ATTACHMENT

N100618

N100617

X109881

#2

BINDER/VOLUME #: Response

ATTACHMENT

CONE PENTRATION TESTING REPORT

Private Fuel Storage Facility
Private Fuel Storage, LLC
Skull Valley, Utah

Volume II

Prepared for

Stone & Webster Engineering Corporation
Denver, CO

May 13, 1999

Geotechnical and Environmental Site Investigation Contractors

Salt Lake City • Vancouver • Edmonton • New Jersey • Los Angeles • San Francisco • Houston • Aiken, SC
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9906100222 - Part 2

Appendix F

CPT Interpretations

CONETEC

Appendix F

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ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3837
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-1
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 09:26
CPT File: 315CP01.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	2.0	0.02	0.99	2.6	1	74.5	0.01	0.01	0.00	2.00	1.0	1.9	0.16	0.00
0.33	4.9	0.02	0.41	2.3	1	74.5	0.01	0.01	0.00	2.00	2.3	4.7	0.39	0.00
0.49	11.7	0.04	0.34	2.2	6	98.7	0.02	0.02	0.00	2.00	4.5	9.0	0.94	0.00
0.66	31.0	0.10	0.32	2.0	7	98.7	0.03	0.03	0.00	2.00	9.9	19.8	UnDef	0.10
0.82	42.7	0.17	0.40	2.1	8	101.8	0.04	0.04	0.00	2.00	10.2	20.5	UnDef	0.13
0.98	48.9	0.26	0.53	2.2	8	101.8	0.04	0.04	0.00	2.00	11.7	23.4	UnDef	0.16
1.15	56.7	0.39	0.69	1.9	8	101.8	0.05	0.05	0.00	2.00	13.6	27.1	UnDef	0.20
1.31	61.9	1.23	1.99	2.0	7	98.7	0.06	0.06	0.00	2.00	19.8	39.5	UnDef	0.00
48	56.9	1.81	3.19	3.6	6	98.7	0.07	0.07	0.00	2.00	21.8	43.6	4.55	0.00
54	51.6	2.19	4.24	-3.3	5	85.3	0.08	0.08	0.00	2.00	24.7	49.4	4.12	0.00
80	48.4	1.81	3.75	-3.5	5	85.3	0.08	0.08	0.00	2.00	23.2	46.3	3.86	0.00
1.97	49.7	1.35	2.72	-0.2	6	98.7	0.09	0.09	0.00	2.00	19.0	38.1	3.97	0.00
2.13	58.3	1.34	2.30	-0.6	6	98.7	0.10	0.10	0.00	2.00	22.4	44.7	4.66	0.00
2.30	66.7	1.16	1.74	-0.4	7	98.7	0.11	0.11	0.00	2.00	21.3	42.6	UnDef	0.00
2.46	62.8	1.04	1.66	0.6	7	98.7	0.12	0.12	0.00	2.00	20.1	40.1	UnDef	0.24
2.62	55.7	0.95	1.71	0.8	7	98.7	0.12	0.12	0.00	2.00	17.8	35.5	UnDef	0.20
2.79	46.5	0.96	2.07	1.7	6	98.7	0.13	0.13	0.00	2.00	17.8	35.7	3.71	0.16
2.95	39.6	0.98	2.48	1.9	6	98.7	0.14	0.14	0.00	2.00	15.2	30.3	3.15	0.00
3.12	35.1	0.91	2.60	5.2	6	98.7	0.15	0.15	0.00	2.00	13.4	26.9	2.79	0.00
3.28	31.5	0.81	2.58	15.2	6	98.7	0.16	0.16	0.00	2.00	12.1	24.2	2.51	0.12
3.44	28.9	0.56	1.95	19.1	6	98.7	0.16	0.16	0.00	2.00	11.1	22.1	2.30	0.11
3.61	23.5	0.30	1.28	17.3	6	98.7	0.17	0.17	0.00	2.00	9.0	18.0	1.87	0.09
3.77	18.5	0.15	0.81	2.9	6	98.7	0.18	0.18	0.00	2.00	7.1	14.2	1.47	0.09
3.94	21.9	0.11	0.50	1.5	7	98.7	0.19	0.19	0.00	2.00	7.0	14.0	UnDef	0.09
4.10	25.0	0.18	0.72	2.1	7	98.7	0.20	0.20	0.00	2.00	8.0	15.9	UnDef	0.09
4.27	21.9	0.27	1.24	2.1	6	98.7	0.20	0.20	0.00	2.00	8.4	16.8	1.73	0.09
4.43	17.5	0.26	1.49	2.1	6	98.7	0.21	0.21	0.00	2.00	6.7	13.4	1.38	0.09
4.59	17.1	0.25	1.47	2.0	6	98.7	0.22	0.22	0.00	2.00	6.5	13.1	1.35	0.09
4.76	21.4	0.32	1.50	2.1	6	98.7	0.23	0.23	0.00	2.00	8.2	16.4	1.70	0.10
4.92	21.1	0.38	1.80	2.8	6	98.7	0.24	0.24	0.00	2.00	8.1	16.2	1.67	0.10
5.09	19.7	0.39	1.99	2.7	6	98.7	0.24	0.24	0.00	2.00	7.5	15.1	1.55	0.10
5.25	19.3	0.35	1.82	3.2	6	98.7	0.25	0.25	0.00	1.99	7.4	14.7	1.52	0.10
5.41	17.1	0.34	1.99	3.2	6	98.7	0.26	0.26	0.00	1.96	6.5	12.8	1.35	0.10
5.58	18.1	0.33	1.83	3.8	6	98.7	0.27	0.27	0.00	1.93	6.9	13.3	1.42	0.10
5.74	16.1	0.32	1.99	4.9	5	85.3	0.28	0.28	0.00	1.90	7.7	14.7	1.26	0.10
5.91	16.6	0.31	1.87	5.1	6	98.7	0.28	0.28	0.00	1.88	6.4	11.9	1.30	0.10
6.07	16.0	0.58	3.64	6.1	4	79.6	0.29	0.29	0.00	1.85	10.2	18.9	1.25	0.15
6.23	14.7	0.42	2.86	6.2	5	85.3	0.30	0.30	0.00	1.83	7.1	12.9	1.16	0.11
6.40	19.5	0.39	2.01	4.5	6	98.7	0.31	0.31	0.00	1.81	7.5	13.5	1.53	0.10
6.56	21.6	0.38	1.76	4.6	6	98.7	0.31	0.31	0.00	1.79	8.3	14.8	1.71	0.10
73	20.5	0.45	2.20	6.5	6	98.7	0.32	0.32	0.00	1.76	7.9	13.8	1.61	0.11
39	19.5	0.41	2.11	12.9	6	98.7	0.33	0.33	0.00	1.74	7.5	13.0	1.53	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	18.3	0.38	2.08	17.8	6	98.7	0.34	0.34	0.00	1.72	7.0	12.1	1.44	0.10
7.22	18.9	0.32	1.70	19.5	6	98.7	0.35	0.35	0.00	1.70	7.2	12.3	1.48	0.10
7.38	21.1	0.33	1.57	21.1	6	98.7	0.35	0.35	0.00	1.68	8.1	13.6	1.66	0.10
7.55	20.9	0.33	1.58	21.4	6	98.7	0.36	0.36	0.00	1.66	8.0	13.3	1.64	0.10
7.71	23.9	0.38	1.59	22.9	6	98.7	0.37	0.37	0.00	1.64	9.2	15.0	1.88	0.10
7.87	25.4	0.41	1.62	22.6	6	98.7	0.38	0.38	0.00	1.63	9.7	15.8	2.00	0.10
8.04	24.3	0.44	1.82	19.5	6	98.7	0.39	0.39	0.00	1.61	9.3	15.0	1.91	0.11
8.20	23.4	0.43	1.84	18.6	6	98.7	0.39	0.39	0.00	1.59	9.0	14.3	1.84	0.10
8.37	23.6	0.40	1.70	21.1	6	98.7	0.40	0.40	0.00	1.58	9.1	14.3	1.86	0.10
8.53	23.6	0.38	1.62	25.0	6	98.7	0.41	0.41	0.00	1.56	9.0	14.1	1.85	0.10
8.69	26.7	0.40	1.50	29.3	6	98.7	0.42	0.42	0.00	1.55	10.2	15.8	2.10	0.10
8.86	25.0	0.43	1.72	29.5	6	98.7	0.43	0.43	0.00	1.53	9.6	14.7	1.97	0.11
9.02	26.5	0.51	1.93	23.6	6	98.7	0.43	0.43	0.00	1.52	10.2	15.4	2.09	0.11
9.19	24.9	0.51	2.06	23.1	6	98.7	0.44	0.44	0.00	1.50	9.5	14.3	1.95	0.11
9.35	25.4	0.79	3.11	24.5	5	85.3	0.45	0.45	0.00	1.49	12.2	18.1	2.00	0.16
9.51	24.0	0.66	2.75	25.9	5	85.3	0.46	0.46	0.00	1.48	11.5	17.0	1.89	0.14
9.68	26.2	0.62	2.38	12.3	6	98.7	0.47	0.47	0.00	1.47	10.0	14.7	2.05	0.13
9.84	23.3	0.61	2.62	10.8	5	85.3	0.47	0.47	0.00	1.45	11.2	16.2	1.83	0.13
10.01	25.5	0.60	2.36	15.8	6	98.7	0.48	0.48	0.00	1.44	9.8	14.1	2.00	0.13
10.17	24.0	0.55	2.30	20.2	6	98.7	0.49	0.49	0.00	1.43	9.2	13.1	1.88	0.12
10.33	23.6	0.54	2.29	27.2	6	98.7	0.50	0.50	0.00	1.42	9.0	12.8	1.85	0.12
10.50	24.9	0.52	2.09	29.4	6	98.7	0.50	0.50	0.00	1.41	9.6	13.5	1.96	0.12
10.66	24.7	0.51	2.07	34.4	6	98.7	0.51	0.51	0.00	1.40	9.4	13.2	1.93	0.12
10.83	22.7	0.43	1.90	35.1	6	98.7	0.52	0.52	0.00	1.39	8.7	12.1	1.78	0.11
10.99	24.6	0.40	1.63	36.9	6	98.7	0.53	0.53	0.00	1.38	9.4	13.0	1.93	0.10
11.15	29.1	0.42	1.45	34.1	6	98.7	0.54	0.54	0.00	1.36	11.2	15.2	2.29	0.11
11.32	27.3	0.40	1.47	8.5	6	98.7	0.54	0.54	0.00	1.35	10.5	14.2	2.14	0.10
11.48	34.6	0.32	0.93	8.8	7	98.7	0.55	0.55	0.00	1.34	11.1	14.9	UnDef	0.10
[illegible]65	46.1	0.21	0.46	4.4	8	101.8	0.56	0.56	0.00	1.33	11.0	14.7	UnDef	0.10
[illegible]81	46.3	0.17	0.37	2.9	8	101.8	0.57	0.57	0.00	1.33	11.1	14.7	UnDef	0.10
[illegible].97	46.3	0.18	0.39	2.1	8	101.8	0.58	0.58	0.00	1.32	11.1	14.6	UnDef	0.10
12.14	46.0	0.22	0.48	2.1	8	101.8	0.59	0.59	0.00	1.31	11.0	14.4	UnDef	0.10
12.30	44.9	0.27	0.60	2.1	7	98.7	0.59	0.59	0.00	1.30	14.3	18.6	UnDef	0.11
12.47	40.9	0.34	0.83	2.0	7	98.7	0.60	0.60	0.00	1.29	13.0	16.8	UnDef	0.11
12.63	39.1	0.31	0.79	1.9	7	98.7	0.61	0.61	0.00	1.28	12.5	16.0	UnDef	0.10
12.80	41.5	0.26	0.63	1.7	7	98.7	0.62	0.62	0.00	1.27	13.2	16.8	UnDef	0.10
12.96	37.0	0.28	0.76	1.4	7	98.7	0.63	0.63	0.00	1.26	11.8	14.9	UnDef	0.10
13.12	35.0	0.35	1.00	1.4	7	98.7	0.64	0.64	0.00	1.26	11.2	14.0	UnDef	0.10
13.29	33.4	0.38	1.14	2.3	7	98.7	0.64	0.64	0.00	1.25	10.7	13.3	UnDef	0.10
13.45	36.4	0.29	0.80	1.7	7	98.7	0.65	0.65	0.00	1.24	11.6	14.4	UnDef	0.10
13.62	37.8	0.23	0.61	1.6	7	98.7	0.66	0.66	0.00	1.23	12.1	14.9	UnDef	0.10
13.78	40.3	0.19	0.47	1.7	7	98.7	0.67	0.67	0.00	1.22	12.9	15.8	UnDef	0.09
13.94	37.7	0.18	0.48	1.5	7	98.7	0.68	0.68	0.00	1.22	12.0	14.6	UnDef	0.09
14.11	39.3	0.14	0.36	1.4	7	98.7	0.68	0.68	0.00	1.21	12.5	15.2	UnDef	0.09
14.27	43.5	0.12	0.28	1.5	8	101.8	0.69	0.69	0.00	1.20	10.4	12.5	UnDef	0.09
14.44	47.0	0.15	0.32	1.6	8	101.8	0.70	0.70	0.00	1.20	11.3	13.4	UnDef	0.10
14.60	47.8	0.17	0.36	1.7	8	101.8	0.71	0.71	0.00	1.19	11.4	13.6	UnDef	0.10
14.76	55.1	0.21	0.38	1.8	8	101.8	0.72	0.72	0.00	1.18	13.2	15.6	UnDef	0.10
14.93	58.6	0.24	0.41	1.8	8	101.8	0.73	0.73	0.00	1.17	14.0	16.5	UnDef	0.11
15.09	49.8	0.28	0.56	1.5	8	101.8	0.73	0.73	0.00	1.17	11.9	13.9	UnDef	0.11
15.26	45.2	0.50	1.11	1.5	7	98.7	0.74	0.74	0.00	1.16	14.4	16.8	UnDef	0.12
15.42	42.7	0.60	1.41	1.6	7	98.7	0.75	0.75	0.00	1.15	13.6	15.7	UnDef	0.12
15.58	38.0	0.72	1.90	3.0	6	98.7	0.76	0.76	0.00	1.15	14.6	16.7	2.98	0.14
15.75	37.0	0.70	1.90	3.8	6	98.7	0.77	0.77	0.00	1.14	14.2	16.2	2.90	0.14
15.91	42.5	0.75	1.77	7.1	7	98.7	0.77	0.77	0.00	1.14	13.6	15.4	UnDef	0.14
16.08	47.8	0.48	1.01	5.8	7	98.7	0.78	0.78	0.00	1.13	15.3	17.2	UnDef	0.12
16.24	60.3	0.48	0.80	2.0	8	101.8	0.79	0.79	0.00	1.12	14.4	16.2	UnDef	0.13
16.40	67.3	0.40	0.60	1.8	8	101.8	0.80	0.80	0.00	1.12	16.1	18.0	UnDef	0.13
16.57	63.7	0.47	0.74	1.4	8	101.8	0.81	0.81	0.00	1.11	15.2	17.0	UnDef	0.13
16.73	52.4	0.64	1.22	1.4	7	98.7	0.82	0.82	0.00	1.11	16.7	18.5	UnDef	0.13
90	41.3	0.63	1.53	1.5	7	98.7	0.82	0.82	0.00	1.10	13.2	14.5	UnDef	0.13
[illegible]5	30.5	0.57	1.87	2.0	6	98.7	0.83	0.83	0.00	1.10	11.7	12.8	2.37	0.14
[illegible].22	28.7	0.44	1.54	5.6	6	98.7	0.84	0.84	0.00	1.09	11.0	12.0	2.23	0.12
17.39	30.4	0.37	1.22	6.5	7	98.7	0.85	0.85	0.00	1.09	9.7	10.5	UnDef	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	34.7	0.40	1.15	5.6	7	98.7	0.86	0.86	0.00	1.08	11.1	12.0	UnDef	0.11
17.72	38.4	0.50	1.31	4.1	7	98.7	0.86	0.86	0.00	1.08	12.2	13.2	UnDef	0.12
17.88	38.2	0.54	1.42	3.5	7	98.7	0.87	0.87	0.00	1.07	12.2	13.1	UnDef	0.12
18.04	41.2	0.47	1.14	2.8	7	98.7	0.88	0.88	0.00	1.07	13.1	14.0	UnDef	0.11
18.21	41.1	0.40	0.98	2.7	7	98.7	0.89	0.89	0.00	1.06	13.1	13.9	UnDef	0.11
18.37	41.3	0.49	1.19	2.0	7	98.7	0.90	0.90	0.00	1.06	13.2	13.9	UnDef	0.11
18.54	40.0	0.51	1.28	2.6	7	98.7	0.90	0.90	0.00	1.05	12.8	13.4	UnDef	0.12
18.70	39.4	0.63	1.60	3.1	7	98.7	0.91	0.91	0.00	1.05	12.6	13.2	UnDef	0.13
18.86	41.2	0.59	1.44	3.1	7	98.7	0.92	0.92	0.00	1.04	13.1	13.7	UnDef	0.12
19.03	41.8	0.54	1.30	3.5	7	98.7	0.93	0.93	0.00	1.04	13.3	13.8	UnDef	0.12
19.19	40.7	0.53	1.30	2.7	7	98.7	0.94	0.94	0.00	1.03	13.0	13.4	UnDef	0.12
19.36	42.6	0.39	0.92	2.4	7	98.7	0.94	0.94	0.00	1.03	13.6	14.0	UnDef	0.11
19.52	43.5	0.39	0.90	0.9	7	98.7	0.95	0.95	0.00	1.02	13.9	14.2	UnDef	0.11
19.68	43.8	0.37	0.85	1.2	7	98.7	0.96	0.96	0.00	1.02	14.0	14.3	UnDef	0.11
19.85	40.6	0.49	1.21	1.1	7	98.7	0.97	0.97	0.00	1.02	13.0	13.2	UnDef	0.12
20.01	36.6	0.54	1.48	1.1	7	98.7	0.98	0.98	0.00	1.01	11.7	11.8	UnDef	0.12
20.18	31.6	0.56	1.78	2.0	6	98.7	0.99	0.99	0.00	1.01	12.1	12.2	2.45	0.15
20.34	28.3	0.54	1.91	4.1	6	98.7	0.99	0.99	0.00	1.00	10.9	10.9	2.19	0.18
20.51	27.8	0.49	1.77	8.0	6	98.7	1.00	1.00	0.00	1.00	10.6	10.6	2.14	0.16
20.67	28.1	0.50	1.78	14.8	6	98.7	1.01	1.01	0.00	1.00	10.8	10.7	2.17	0.16
20.83	27.9	0.49	1.76	19.0	6	98.7	1.02	1.02	0.00	0.99	10.7	10.6	2.15	0.16
21.00	27.1	0.48	1.78	23.8	6	98.7	1.03	1.03	0.00	0.99	10.4	10.2	2.09	0.17
21.16	24.9	0.44	1.77	23.3	6	98.7	1.03	1.03	0.00	0.98	9.5	9.4	1.91	0.20
21.33	25.6	0.38	1.49	25.7	6	98.7	1.04	1.04	0.00	0.98	9.8	9.6	1.97	0.14
21.49	25.6	0.31	1.21	28.0	6	98.7	1.05	1.05	0.00	0.98	9.8	9.6	1.96	0.12
21.65	24.6	0.29	1.18	30.2	6	98.7	1.06	1.06	0.00	0.97	9.4	9.2	1.88	0.12
21.82	25.5	0.28	1.10	31.8	6	98.7	1.07	1.07	0.00	0.97	9.8	9.5	1.96	0.11
21.98	25.3	0.39	1.54	33.1	6	98.7	1.07	1.07	0.00	0.96	9.7	9.4	1.94	0.16
[illegible]15	28.4	0.38	1.34	33.4	6	98.7	1.08	1.08	0.00	0.96	10.9	10.4	2.18	0.13
[illegible]31	23.3	0.40	1.72	32.3	6	98.7	1.09	1.09	0.00	0.96	8.9	8.6	1.78	0.20
[illegible].47	24.3	0.73	3.01	34.1	5	85.3	1.10	1.10	0.00	0.95	11.6	11.1	1.86	0.22
22.64	29.4	0.62	2.11	35.4	6	98.7	1.11	1.11	0.00	0.95	11.3	10.7	2.27	0.29
22.80	37.3	0.66	1.78	11.1	6	98.7	1.11	1.11	0.00	0.95	14.3	13.5	2.89	0.16
22.97	34.6	0.57	1.65	10.3	6	98.7	1.12	1.12	0.00	0.94	13.3	12.5	2.68	0.15
23.13	38.7	0.57	1.48	13.4	7	98.7	1.13	1.13	0.00	0.94	12.3	11.6	UnDef	0.13
23.29	44.6	0.55	1.24	9.3	7	98.7	1.14	1.14	0.00	0.94	14.2	13.3	UnDef	0.12
23.46	33.9	0.53	1.57	6.4	6	98.7	1.15	1.15	0.00	0.93	13.0	12.1	2.62	0.14
23.62	30.7	0.60	1.96	7.7	6	98.7	1.15	1.15	0.00	0.93	11.7	10.9	2.36	0.24
23.79	33.5	0.54	1.61	9.9	6	98.7	1.16	1.16	0.00	0.93	12.9	11.9	2.59	0.15
23.95	34.3	0.62	1.81	9.6	6	98.7	1.17	1.17	0.00	0.92	13.1	12.1	2.65	0.18
24.11	31.4	0.58	1.85	10.0	6	98.7	1.18	1.18	0.00	0.92	12.0	11.1	2.42	0.21
24.28	28.3	0.58	2.05	10.2	6	98.7	1.19	1.19	0.00	0.92	10.8	10.0	2.17	0.27
24.44	34.8	0.67	1.93	10.1	6	98.7	1.19	1.19	0.00	0.91	13.3	12.2	2.69	0.21
24.61	39.5	0.66	1.67	9.2	7	98.7	1.20	1.20	0.00	0.91	12.6	11.5	UnDef	0.16
24.77	46.0	0.74	1.61	8.8	7	98.7	1.21	1.21	0.00	0.91	14.7	13.3	UnDef	0.15
24.93	48.0	0.85	1.77	6.8	7	98.7	1.22	1.22	0.00	0.91	15.3	13.9	UnDef	0.17
25.10	48.3	0.89	1.85	6.3	7	98.7	1.23	1.23	0.00	0.90	15.4	13.9	UnDef	0.18
25.26	63.2	0.78	1.24	5.9	7	98.7	1.24	1.24	0.00	0.90	20.2	18.1	UnDef	0.15
25.43	66.7	0.67	1.01	4.5	8	101.8	1.24	1.24	0.00	0.90	16.0	14.3	UnDef	0.14
25.59	68.0	0.76	1.12	3.6	8	101.8	1.25	1.25	0.00	0.89	16.3	14.6	UnDef	0.15
25.75	72.8	0.72	0.99	3.5	8	101.8	1.26	1.26	0.00	0.89	17.4	15.5	UnDef	0.15
25.92	75.4	0.61	0.81	2.9	8	101.8	1.27	1.27	0.00	0.89	18.0	16.0	UnDef	0.14
26.08	84.3	0.46	0.55	0.9	8	101.8	1.28	1.28	0.00	0.89	20.2	17.9	UnDef	0.14
26.25	85.6	0.44	0.52	0.9	8	101.8	1.29	1.29	0.00	0.88	20.5	18.1	UnDef	0.14
26.41	82.0	0.53	0.65	1.0	8	101.8	1.29	1.29	0.00	0.88	19.6	17.3	UnDef	0.14
26.57	79.1	0.66	0.84	1.1	8	101.8	1.30	1.30	0.00	0.88	18.9	16.6	UnDef	0.15
26.74	75.2	0.77	1.03	1.2	8	101.8	1.31	1.31	0.00	0.87	18.0	15.7	UnDef	0.15
26.90	83.5	0.95	1.14	1.4	8	101.8	1.32	1.32	0.00	0.87	20.0	17.4	UnDef	0.18
27.07	101.9	1.01	0.99	2.0	8	101.8	1.33	1.33	0.00	0.87	24.4	21.2	UnDef	0.21
27.23	116.5	1.02	0.88	1.5	8	101.8	1.34	1.34	0.00	0.87	27.9	24.1	UnDef	0.23
[illegible]9	130.0	0.96	0.74	1.1	9	101.8	1.34	1.34	0.00	0.86	24.9	21.5	UnDef	0.26
[illegible]	138.1	0.94	0.68	1.3	9	101.8	1.35	1.35	0.00	0.86	26.4	22.7	UnDef	0.27
[illegible].72	151.2	1.02	0.68	1.3	9	101.8	1.36	1.36	0.00	0.86	29.0	24.8	UnDef	0.32
27.89	163.4	1.15	0.71	1.4	9	101.8	1.37	1.37	0.00	0.85	31.3	26.7	UnDef	0.37

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	167.9	1.25	0.75	1.4	9	101.8	1.38	1.38	0.00	0.85	32.1	27.4	UnDef	0.39
28.21	182.7	1.34	0.74	1.4	9	101.8	1.39	1.39	0.00	0.85	35.0	29.7	UnDef	0.46
28.38	194.5	1.46	0.75	1.3	9	101.8	1.39	1.39	0.00	0.85	37.3	31.6	UnDef	0.00
28.54	196.4	1.59	0.81	1.3	9	101.8	1.40	1.40	0.00	0.84	37.6	31.8	UnDef	0.00
28.71	187.8	1.60	0.85	1.3	9	101.8	1.41	1.41	0.00	0.84	36.0	30.3	UnDef	0.00
28.87	170.8	1.47	0.86	1.3	9	101.8	1.42	1.42	0.00	0.84	32.7	27.5	UnDef	0.42
29.04	166.1	0.02	0.01	1.2	9	101.8	1.43	1.43	0.00	0.84	31.8	26.6	UnDef	0.31
29.20	282.1	0.02	0.01	1.8	10	127.3	1.44	1.44	0.00	0.83	45.0	37.6	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3837
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-1
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 09:26
CPT File: 315CP01.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.04	329.2	1.00	9	3.9	0.0	3.9	3.5	UnDef	UnDef	10.0	UnDef	0.0	1.9
0.33	1.7E-07	0.01	399.5	0.41	10	9.4	0.0	9.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.7
0.49	5.0E-05	0.01	606.2	0.34	10	22.5	0.0	22.5	0.0	50	61.8	10.0	-0.25	0.0	9.0
0.66	5.0E-04	0.00	1000.0	0.32	10	59.3	0.0	59.3	0.0	50	84.6	1.0	-0.29	0.0	19.8
0.82	5.0E-03	0.00	1000.0	0.40	10	81.8	0.0	81.8	0.0	50	90.1	1.0	-0.31	0.0	20.5
0.98	5.0E-03	0.00	1000.0	0.53	10	93.7	0.0	93.7	0.0	50	90.9	1.0	-0.34	0.0	23.4
1.15	5.0E-03	0.00	1000.0	0.69	10	108.6	0.0	108.6	0.0	50	92.7	1.0	-0.36	0.0	27.1
1.31	5.0E-04	0.00	1000.0	1.99	12	118.6	UnDef	UnDef	0.0	50	93.1	1.0	-0.51	UnDef	UnDef
1.48	5.0E-05	0.00	827.7	3.19	12	109.0	UnDef	UnDef	0.0	50	88.9	10.0	-0.63	UnDef	UnDef
1.64	5.0E-06	0.00	675.6	4.24	12	98.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.80	5.0E-06	0.00	580.4	3.76	12	92.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.97	5.0E-05	0.00	547.0	2.73	12	95.2	UnDef	UnDef	0.0	50	81.0	10.0	-0.52	UnDef	UnDef
2.13	5.0E-05	0.00	589.4	2.31	12	111.8	UnDef	UnDef	0.0	50	84.4	10.0	-0.49	UnDef	UnDef
2.30	5.0E-04	0.00	623.0	1.75	12	127.8	UnDef	UnDef	0.0	50	87.1	1.0	-0.44	UnDef	UnDef
2.46	5.0E-04	0.00	545.2	1.66	9	120.3	0.0	120.3	4.6	50	84.3	1.0	-0.42	0.0	40.1
2.62	5.0E-04	0.00	451.2	1.71	9	106.6	1.5	108.1	5.5	48	79.9	1.0	-0.40	0.3	35.9
2.79	5.0E-05	0.00	353.7	2.07	9	89.1	7.6	96.8	7.9	48	73.8	10.0	-0.41	1.8	37.5
2.95	5.0E-05	0.00	283.1	2.49	12	75.8	UnDef	UnDef	0.0	46	68.3	10.0	-0.42	UnDef	UnDef
3.12	5.0E-05	0.00	236.9	2.61	12	67.2	UnDef	UnDef	0.0	46	64.1	10.0	-0.41	UnDef	UnDef
3.28	5.0E-05	0.02	201.8	2.59	7	60.4	16.7	77.1	13.1	46	60.2	10.0	-0.39	3.8	27.9
3.44	5.0E-05	0.02	175.4	1.96	9	55.3	11.7	67.0	11.5	44	57.0	10.0	-0.32	2.7	24.8
3.61	5.0E-05	0.02	135.8	1.29	9	45.0	7.0	52.0	10.1	44	50.4	10.0	-0.24	1.7	19.7
3.77	5.0E-05	0.00	101.9	0.82	9	35.4	4.5	39.9	9.2	42	42.9	10.0	-0.17	1.1	15.2
3.94	5.0E-04	0.00	115.5	0.51	9	41.9	1.0	42.9	5.8	42	47.1	1.0	-0.14	0.2	14.2
4.10	5.0E-04	0.00	126.3	0.73	9	47.8	2.7	50.5	7.0	44	50.2	1.0	-0.18	0.5	16.5
4.27	5.0E-05	0.00	106.2	1.25	9	41.9	9.2	51.1	11.7	42	45.9	10.0	-0.21	2.1	18.9
4.43	5.0E-05	0.00	81.4	1.51	7	33.5	13.3	46.8	15.7	42	38.9	10.0	-0.21	2.9	16.3
4.59	5.0E-05	0.00	76.6	1.49	7	32.7	13.8	46.5	16.1	40	37.7	10.0	-0.20	3.0	16.1
4.76	5.0E-05	0.00	92.9	1.51	7	41.0	13.8	54.9	14.4	42	43.7	10.0	-0.22	3.1	19.5
4.92	5.0E-05	0.00	88.4	1.82	7	40.5	18.1	58.5	16.6	42	42.8	10.0	-0.24	3.9	20.1
5.09	5.0E-05	0.00	79.4	2.01	7	37.6	21.5	59.1	18.6	42	40.2	10.0	-0.24	4.4	19.5
5.25	5.0E-05	0.01	75.3	1.84	7	36.9	20.3	57.2	18.3	40	39.2	10.0	-0.22	4.2	18.9
5.41	5.0E-05	0.01	64.6	2.02	7	32.7	24.1	56.9	20.9	40	35.3	10.0	-0.22	4.6	17.5
5.58	5.0E-05	0.01	66.2	1.86	7	34.1	22.1	56.2	19.7	40	36.4	10.0	-0.21	4.4	17.7
5.74	5.0E-06	0.01	57.2	2.03	7	29.9	25.8	55.7	22.3	UnDef	UnDef	10.0	UnDef	6.0	20.6
5.91	5.0E-05	0.01	57.5	1.91	7	30.5	24.3	54.8	21.6	40	33.2	10.0	-0.20	4.6	16.5
6.07	5.0E-07	0.01	53.8	3.71	6	28.9	61.6	90.5	30.5	UnDef	UnDef	10.0	UnDef	14.0	32.9
6.23	5.0E-06	0.01	48.5	2.91	6	26.4	45.4	71.8	28.7	UnDef	UnDef	6.0	UnDef	8.5	21.4
6.40	5.0E-05	0.01	62.7	2.04	7	34.5	26.6	61.0	21.3	40	36.7	10.0	-0.22	5.0	18.5
6.56	5.0E-05	0.01	68.0	1.79	7	37.8	22.7	60.5	19.0	40	39.4	10.0	-0.21	4.5	19.3
6.73	5.0E-05	0.01	62.7	2.24	7	35.4	30.3	65.7	22.3	40	37.5	10.0	-0.23	5.6	19.5
6.89	5.0E-05	0.02	58.2	2.14	7	33.2	29.8	63.1	22.7	40	35.7	10.0	-0.21	5.5	18.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.03	53.2	2.12	7	30.8	30.7	61.5	23.7	40	33.6	10.0	-0.20	5.5	17.5
7.22	5.0E-05	0.03	53.6	1.73	7	31.4	24.6	56.0	21.4	40	34.1	10.0	-0.18	4.7	17.0
7.38	5.0E-05	0.03	58.5	1.60	7	34.7	22.2	56.9	19.6	40	36.9	10.0	-0.18	4.4	18.0
7.55	5.0E-05	0.03	56.7	1.61	7	34.0	22.9	56.9	20.1	40	36.3	10.0	-0.18	4.5	17.8
7.71	5.0E-05	0.03	63.5	1.62	7	38.4	22.6	61.0	18.9	40	39.9	10.0	-0.19	4.5	19.6
7.87	5.0E-05	0.03	66.2	1.64	7	40.5	22.9	63.3	18.5	40	41.3	10.0	-0.19	4.6	20.5
8.04	5.0E-05	0.03	61.8	1.85	7	38.2	26.8	65.0	20.5	40	39.7	10.0	-0.20	5.2	20.2
8.20	5.0E-05	0.03	58.4	1.87	7	36.5	27.9	64.4	21.2	40	38.4	10.0	-0.20	5.3	19.6
8.37	5.0E-05	0.03	57.7	1.73	7	36.5	25.9	62.4	20.6	40	38.4	10.0	-0.18	5.0	19.3
8.53	5.0E-05	0.03	56.4	1.64	7	36.0	25.0	61.0	20.3	40	38.0	10.0	-0.18	4.9	19.0
8.69	5.0E-05	0.03	62.7	1.53	7	40.3	22.6	63.0	18.5	40	41.2	10.0	-0.18	4.6	20.4
8.86	5.0E-05	0.04	57.6	1.75	7	37.5	27.1	64.6	20.7	40	39.1	10.0	-0.19	5.2	19.9
9.02	5.0E-05	0.03	60.0	1.96	7	39.4	30.7	70.0	21.4	40	40.5	10.0	-0.20	5.8	21.2
9.19	5.0E-05	0.03	55.1	2.09	7	36.5	34.2	70.8	23.1	40	38.4	10.0	-0.20	6.2	20.5
9.35	5.0E-06	0.03	55.4	3.17	6	37.1	58.8	95.9	28.0	UnDef	UnDef	10.0	UnDef	11.3	29.4
9.51	5.0E-06	0.03	51.5	2.81	7	34.8	51.6	86.4	27.4	UnDef	UnDef	10.0	UnDef	10.2	27.2
9.68	5.0E-05	0.01	55.2	2.42	7	37.5	41.7	79.2	24.7	40	39.2	10.0	-0.22	7.2	21.9
9.84	5.0E-06	0.01	48.4	2.68	7	33.2	50.7	83.9	27.6	UnDef	UnDef	6.0	UnDef	9.9	26.1
10.01	5.0E-05	0.02	52.2	2.40	7	36.0	42.9	78.9	25.3	38	38.0	10.0	-0.22	7.3	21.4
10.17	5.0E-05	0.03	48.1	2.35	7	33.5	43.5	77.1	26.2	38	36.0	6.0	-0.20	7.2	20.3
10.33	5.0E-05	0.04	46.5	2.34	7	32.8	44.4	77.2	26.5	38	35.3	6.0	-0.20	7.2	20.0
10.50	5.0E-05	0.04	48.5	2.13	7	34.4	39.1	73.5	24.9	38	36.7	6.0	-0.19	6.7	20.2
10.66	5.0E-05	0.04	47.1	2.12	7	33.7	39.6	73.3	25.2	38	36.1	6.0	-0.18	6.7	19.9
10.83	5.0E-05	0.05	42.7	1.94	7	30.8	37.5	68.3	25.6	38	33.6	6.0	-0.16	6.3	18.4
10.99	5.0E-05	0.05	45.5	1.67	7	33.1	30.9	64.0	23.1	38	35.6	6.0	-0.15	5.6	18.6
11.15	5.0E-05	0.04	53.2	1.47	7	38.9	25.9	64.8	20.0	40	40.2	10.0	-0.16	5.1	20.3
11.32	5.0E-05	0.01	49.2	1.50	7	36.3	27.2	63.5	21.1	38	38.2	6.0	-0.16	5.2	19.4
11.48	5.0E-04	0.01	61.6	0.94	9	45.6	15.8	61.4	14.7	40	44.7	1.0	-0.14	2.9	17.7
[illegible].65	5.0E-03	0.00	81.1	0.46	9	60.2	0.0	60.2	5.0	42	52.7	1.0	-0.10	0.0	14.7
[illegible]31	5.0E-03	0.00	80.3	0.37	9	60.0	0.0	60.0	5.0	42	52.6	1.0	-0.08	0.0	14.7
[illegible].97	5.0E-03	0.00	79.1	0.39	9	59.6	0.0	59.6	5.0	42	52.4	1.0	-0.09	0.0	14.6
12.14	5.0E-03	0.00	77.4	0.49	9	58.8	0.0	58.8	5.0	40	52.0	1.0	-0.10	0.0	14.4
12.30	5.0E-04	0.00	74.6	0.61	9	57.0	9.0	66.0	10.1	40	51.2	1.0	-0.12	1.7	20.3
12.47	5.0E-04	0.00	66.8	0.85	9	51.5	14.2	65.7	13.1	40	48.3	1.0	-0.13	2.6	19.4
12.63	5.0E-04	0.00	63.1	0.81	9	49.0	14.1	63.1	13.3	40	46.8	1.0	-0.13	2.6	18.6
12.80	5.0E-04	0.00	66.0	0.64	9	51.6	10.7	62.3	11.4	40	48.3	1.0	-0.11	2.0	18.9
12.96	5.0E-04	0.00	57.9	0.77	9	45.7	14.3	59.9	13.9	40	44.8	1.0	-0.11	2.6	17.5
13.12	5.0E-04	0.00	54.1	1.02	7	42.9	19.4	62.4	16.7	40	43.0	1.0	-0.13	3.4	17.4
13.29	5.0E-04	0.00	50.9	1.16	7	40.7	22.7	63.4	18.4	38	41.5	1.0	-0.14	3.8	17.1
13.45	5.0E-04	0.00	54.9	0.81	9	44.1	15.7	59.8	14.8	40	43.8	1.0	-0.11	2.8	17.2
13.62	5.0E-04	0.00	56.4	0.62	9	45.6	12.0	57.6	12.8	40	44.8	1.0	-0.09	2.2	17.1
13.78	5.0E-04	0.00	59.5	0.48	9	48.3	0.0	48.3	5.0	40	46.4	1.0	-0.08	0.0	15.8
13.94	5.0E-04	0.00	54.7	0.49	9	44.8	0.0	44.8	5.0	40	44.3	1.0	-0.07	0.0	14.6
14.11	5.0E-04	0.00	56.4	0.36	9	46.5	0.0	46.5	5.0	40	45.3	1.0	-0.05	0.0	15.2
14.27	5.0E-03	0.00	61.8	0.28	9	51.1	0.0	51.1	5.0	40	48.1	1.0	-0.04	0.0	12.5
14.44	5.0E-03	0.00	66.1	0.32	9	55.0	0.0	55.0	5.0	40	50.1	1.0	-0.06	0.0	13.4
14.60	5.0E-03	0.00	66.5	0.36	9	55.6	0.0	55.6	5.0	40	50.4	1.0	-0.06	0.0	13.6
14.76	5.0E-03	0.00	75.9	0.39	9	63.7	0.0	63.7	5.0	40	54.3	1.0	-0.08	0.0	15.6
14.93	5.0E-03	0.00	79.7	0.42	9	67.3	0.0	67.3	5.0	42	55.9	1.0	-0.09	0.0	16.5
15.09	5.0E-03	0.00	66.9	0.57	9	56.9	10.2	67.1	10.7	40	51.1	1.0	-0.10	1.5	15.4
15.26	5.0E-04	0.00	59.9	1.13	7	51.4	22.3	73.6	16.3	40	48.2	1.0	-0.15	3.9	20.7
15.42	5.0E-04	0.00	56.0	1.43	7	48.3	29.3	77.6	19.1	40	46.4	1.0	-0.17	4.9	20.6
15.58	5.0E-05	0.00	49.2	1.94	7	42.8	42.5	85.3	23.7	38	42.9	6.0	-0.18	7.6	24.3
15.75	5.0E-05	0.00	47.3	1.94	7	41.4	43.4	84.8	24.2	38	42.0	6.0	-0.18	7.6	23.8
15.91	5.0E-04	0.01	53.9	1.80	7	47.2	38.5	85.7	21.8	40	45.8	1.0	-0.18	6.0	21.4
16.08	5.0E-04	0.00	60.1	1.02	7	52.9	20.7	73.6	15.6	40	49.0	1.0	-0.14	3.7	20.9
16.24	5.0E-03	0.00	75.3	0.81	9	66.4	14.4	80.8	11.7	40	55.5	1.0	-0.14	2.0	18.3
16.40	5.0E-03	0.00	83.2	0.60	9	73.7	9.0	82.7	9.1	42	58.5	1.0	-0.13	1.3	19.4
16.57	5.0E-03	0.00	77.9	0.75	9	69.3	13.0	82.3	10.9	40	56.8	1.0	-0.14	1.9	18.8
16.73	5.0E-04	0.00	63.3	1.24	7	56.8	25.3	82.1	16.6	40	51.1	1.0	-0.16	4.4	23.0
[illegible]90	5.0E-04	0.00	49.1	1.56	7	44.5	35.0	79.5	21.5	38	44.1	1.0	-0.16	5.5	20.0
[illegible]6	5.0E-05	0.00	35.7	1.93	7	32.7	51.9	84.6	28.0	38	35.3	6.0	-0.15	8.0	20.8
[illegible].22	5.0E-05	0.01	33.2	1.58	7	30.6	43.1	73.7	26.9	36	33.4	6.0	-0.12	6.9	18.9
17.39	5.0E-04	0.01	34.9	1.25	7	32.3	32.8	65.1	23.9	38	34.9	1.0	-0.11	4.8	15.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.01	39.6	1.18	7	36.7	29.3	66.1	21.6	38	38.6	1.0	-0.11	4.6	16.6
17.72	5.0E-04	0.00	43.4	1.34	7	40.4	32.0	72.4	21.6	38	41.3	1.0	-0.13	5.0	18.2
17.88	5.0E-04	0.00	42.8	1.45	7	40.0	35.2	75.2	22.5	38	41.0	1.0	-0.14	5.4	18.5
18.04	5.0E-04	0.00	45.8	1.17	7	43.0	27.7	70.7	19.7	38	43.1	1.0	-0.13	4.6	18.6
18.21	5.0E-04	0.00	45.3	1.00	7	42.7	24.1	66.8	18.5	38	42.9	1.0	-0.11	4.1	18.0
18.37	5.0E-04	0.00	45.1	1.22	7	42.7	29.3	71.9	20.2	38	42.9	1.0	-0.13	4.8	18.7
18.54	5.0E-04	0.00	43.2	1.31	7	41.1	32.1	73.3	21.4	38	41.8	1.0	-0.13	5.1	18.5
18.70	5.0E-04	0.00	42.2	1.64	7	40.4	41.3	81.6	23.9	38	41.3	1.0	-0.15	6.1	19.3
18.86	5.0E-04	0.00	43.7	1.47	7	42.0	36.3	78.3	22.4	38	42.4	1.0	-0.14	5.6	19.3
19.03	5.0E-04	0.00	44.0	1.33	7	42.4	32.8	75.2	21.3	38	42.7	1.0	-0.13	5.2	19.0
19.19	5.0E-04	0.00	42.5	1.34	7	41.2	33.6	74.8	21.8	38	41.8	1.0	-0.13	5.2	18.7
19.36	5.0E-04	0.00	44.1	0.94	7	42.9	23.7	66.7	18.3	38	43.0	1.0	-0.10	4.0	18.0
19.52	5.0E-04	0.00	44.7	0.92	7	43.6	23.3	66.9	18.0	38	43.5	1.0	-0.10	4.0	18.2
19.68	5.0E-04	0.00	44.6	0.87	7	43.7	22.2	65.9	17.6	38	43.6	1.0	-0.10	3.8	18.1
19.85	5.0E-04	0.00	40.9	1.24	7	40.4	32.2	72.6	21.6	38	41.3	1.0	-0.12	5.1	18.2
20.01	5.0E-04	0.00	36.4	1.52	7	36.2	42.1	78.3	25.1	38	38.2	1.0	-0.13	6.0	17.8
20.18	5.0E-05	0.00	31.1	1.83	7	31.1	58.6	89.8	29.5	36	33.8	6.0	-0.13	8.4	20.6
20.34	5.0E-05	0.00	27.5	1.98	6	27.8	74.1	101.9	32.2	36	30.6	6.0	-0.12	9.1	20.0
20.51	5.0E-05	0.01	26.7	1.83	7	27.2	68.3	95.5	31.8	36	30.0	6.0	-0.11	8.6	19.2
20.67	5.0E-05	0.02	26.9	1.85	7	27.4	69.0	96.4	31.8	36	30.2	6.0	-0.11	8.7	19.4
20.83	5.0E-05	0.02	26.4	1.83	7	27.1	69.4	96.5	31.9	36	30.0	6.0	-0.11	8.7	19.3
21.00	5.0E-05	0.03	25.4	1.85	6	26.2	74.3	100.5	32.7	34	30.0	6.0	-0.11	8.8	19.1
21.16	5.0E-05	0.03	23.1	1.85	6	24.0	86.1	110.1	34.3	34	30.0	6.0	-0.10	9.0	18.4
21.33	5.0E-05	0.03	23.6	1.55	7	24.6	62.7	87.3	31.9	34	30.0	6.0	-0.08	7.9	17.5
21.49	5.0E-05	0.04	23.4	1.27	7	24.4	48.6	73.1	29.9	34	30.0	6.0	-0.06	6.8	16.4
21.65	5.0E-05	0.04	22.2	1.24	7	23.4	49.9	73.3	30.5	34	30.0	6.0	-0.06	6.8	15.9
21.82	5.0E-05	0.04	23.0	1.15	7	24.2	44.3	68.5	29.2	34	30.0	6.0	-0.05	6.4	15.9
21.98	5.0E-05	0.04	22.6	1.61	6	23.9	71.6	95.6	33.1	34	30.0	6.0	-0.08	8.3	17.6
[illegible].15	5.0E-05	0.04	25.2	1.40	7	26.7	51.8	78.5	29.7	34	30.0	6.0	-0.08	7.3	17.8
[illegible]31	5.0E-05	0.05	20.4	1.80	6	21.8	87.4	109.2	36.2	34	30.0	6.0	-0.08	8.6	17.1
[illegible].47	5.0E-06	0.05	21.2	3.15	6	22.7	90.9	113.6	43.1	UnDef	UnDef	6.0	UnDef	11.1	22.2
22.64	5.0E-05	0.04	25.6	2.19	6	27.4	104.3	131.7	34.7	34	30.2	6.0	-0.12	10.5	21.3
22.80	5.0E-05	0.01	32.4	1.83	7	34.5	60.1	94.6	28.8	36	36.8	6.0	-0.13	8.9	22.4
22.97	5.0E-05	0.01	29.9	1.71	7	32.0	58.7	90.7	29.2	36	34.6	6.0	-0.12	8.5	21.0
23.13	5.0E-04	0.01	33.2	1.52	7	35.6	47.7	83.3	26.4	36	37.7	1.0	-0.12	6.5	18.1
23.29	5.0E-04	0.01	38.2	1.27	7	40.9	36.8	77.7	22.7	38	41.7	1.0	-0.12	5.6	19.0
23.46	5.0E-05	0.01	28.6	1.62	7	31.0	57.6	88.6	29.4	36	33.7	6.0	-0.11	8.3	20.5
23.62	5.0E-05	0.01	25.6	2.04	6	27.9	92.9	120.8	33.8	34	30.7	6.0	-0.12	10.1	21.1
23.79	5.0E-05	0.01	27.9	1.67	7	30.5	61.8	92.2	30.1	36	33.2	6.0	-0.11	8.6	20.5
23.95	5.0E-05	0.01	28.3	1.88	7	31.0	71.8	102.8	31.1	36	33.7	6.0	-0.12	9.4	21.6
24.11	5.0E-05	0.01	25.7	1.92	6	28.3	83.9	112.3	33.0	34	31.1	6.0	-0.11	9.7	20.8
24.28	5.0E-05	0.01	22.9	2.14	6	25.4	101.7	127.1	36.3	34	30.0	6.0	-0.11	10.0	19.9
24.44	5.0E-05	0.01	28.1	2.00	6	31.1	80.7	111.9	32.0	36	33.8	6.0	-0.13	10.0	22.2
24.61	5.0E-04	0.01	31.9	1.73	7	35.3	58.7	93.9	28.4	36	37.4	1.0	-0.13	7.4	18.9
24.77	5.0E-04	0.01	37.0	1.66	7	40.9	51.1	92.0	25.8	38	41.7	1.0	-0.14	7.1	20.5
24.93	5.0E-04	0.00	38.4	1.82	7	42.6	56.1	98.7	26.3	38	42.8	1.0	-0.15	7.7	21.6
25.10	5.0E-04	0.00	38.4	1.90	7	42.7	59.2	101.8	26.8	38	42.9	1.0	-0.15	7.9	21.9
25.26	5.0E-04	0.00	50.1	1.26	7	55.6	34.3	89.9	19.3	38	50.5	1.0	-0.14	5.7	23.8
25.43	5.0E-03	0.00	52.6	1.03	7	58.5	27.6	86.1	17.0	38	51.9	1.0	-0.13	3.6	17.9
25.59	5.0E-03	0.00	53.3	1.14	7	59.5	30.6	90.0	17.7	40	52.4	1.0	-0.14	3.9	18.5
25.75	5.0E-03	0.00	56.8	1.01	7	63.5	26.5	90.0	16.0	40	54.2	1.0	-0.13	3.5	19.0
25.92	5.0E-03	0.00	58.4	0.83	9	65.5	21.6	87.0	14.3	40	55.1	1.0	-0.12	2.9	19.0
26.08	5.0E-03	0.00	65.0	0.56	9	73.0	13.4	86.4	10.8	40	58.3	1.0	-0.10	1.9	19.8
26.25	5.0E-03	0.00	65.6	0.52	9	73.9	12.5	86.4	10.4	40	58.6	1.0	-0.09	1.8	19.9
26.41	5.0E-03	0.00	62.4	0.66	9	70.6	16.7	87.3	12.2	40	57.3	1.0	-0.11	2.3	19.6
26.57	5.0E-03	0.00	59.8	0.85	9	67.9	22.3	90.1	14.2	40	56.2	1.0	-0.12	3.0	19.6
26.74	5.0E-03	0.00	56.4	1.04	7	64.3	28.1	92.4	16.4	40	54.6	1.0	-0.14	3.7	19.4
26.90	5.0E-03	0.00	62.3	1.16	7	71.1	30.1	101.3	16.1	40	57.5	1.0	-0.16	4.0	21.4
27.07	5.0E-03	0.00	75.8	1.01	9	86.5	24.0	110.5	13.1	40	63.1	1.0	-0.16	3.3	24.5
27.23	5.0E-03	0.00	86.2	0.89	9	98.7	19.2	117.8	11.1	42	66.9	1.0	-0.16	2.7	26.9
[illegible]39	5.0E-02	0.00	95.8	0.75	9	109.8	13.7	123.5	9.2	42	69.9	1.0	-0.16	1.6	23.1
[illegible]56	5.0E-02	0.00	101.1	0.69	9	116.2	11.2	127.4	8.3	42	71.6	1.0	-0.16	1.3	24.1
[illegible].72	5.0E-02	0.00	110.1	0.68	9	126.8	9.4	136.3	7.6	42	74.1	1.0	-0.16	1.1	26.0
27.89	5.0E-02	0.00	118.4	0.71	9	136.7	9.0	145.6	7.3	42	76.2	1.0	-0.17	1.1	27.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3837
CPT File: 315CP01.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-02	0.00	120.9	0.75	9	140.0	9.9	149.8	7.5	42	76.9	1.0	-0.18	1.2	28.6
28.21	5.0E-02	0.00	130.9	0.74	9	151.9	7.8	159.7	6.8	44	79.3	1.0	-0.19	0.9	30.7
28.38	5.0E-02	0.00	138.5	0.76	9	161.2	7.1	168.3	6.6	44	81.0	1.0	-0.19	0.9	32.4
28.54	5.0E-02	0.00	139.1	0.82	9	162.3	9.0	171.3	7.0	44	81.2	1.0	-0.20	1.1	32.9
28.71	5.0E-02	0.00	132.2	0.86	9	154.8	11.6	166.4	7.6	44	79.8	1.0	-0.20	1.4	31.7
28.87	5.0E-02	0.00	119.4	0.87	9	140.3	14.0	154.3	8.4	42	77.0	1.0	-0.19	1.6	29.1
29.04	5.0E-02	0.00	115.4	0.01	9	136.0	0.0	136.0	3.9	42	76.1	1.0	0.17	0.0	26.6
29.20	5.0E+00	0.00	195.4	0.01	10	230.3	0.0	230.3	2.8	44	91.2	1.0	0.14	0.0	37.6

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3880
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-2
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 11:01
CPT File: 315CP02.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	10.3	0.02	0.19	0.4	6	98.7	0.01	0.01	0.00	2.00	3.9	7.9	0.82	0.00
0.33	23.4	0.02	0.09	0.1	7	98.7	0.02	0.02	0.00	2.00	7.5	14.9	UnDef	0.09
0.49	37.5	0.02	0.05	-0.3	8	101.8	0.02	0.02	0.00	2.00	9.0	18.0	UnDef	0.11
0.66	52.3	0.03	0.06	0.0	8	101.8	0.03	0.03	0.00	2.00	12.5	25.1	UnDef	0.17
0.82	60.4	0.24	0.40	-0.4	8	101.8	0.04	0.04	0.00	2.00	14.5	28.9	UnDef	0.22
0.98	60.9	0.75	1.23	0.2	7	98.7	0.05	0.05	0.00	2.00	19.4	38.9	UnDef	0.23
1.15	53.1	1.13	2.13	-0.8	6	98.7	0.06	0.06	0.00	2.00	20.3	40.7	4.24	0.00
1.31	44.2	1.15	2.61	-5.6	6	98.7	0.07	0.07	0.00	2.00	16.9	33.9	3.53	0.00
1.48	37.7	0.65	1.73	-0.7	6	98.7	0.07	0.07	0.00	2.00	14.5	28.9	3.01	0.12
1.64	33.7	0.18	0.54	0.0	7	98.7	0.08	0.08	0.00	2.00	10.7	21.5	UnDef	0.10
1.80	31.1	0.05	0.16	0.2	7	98.7	0.09	0.09	0.00	2.00	9.9	19.9	UnDef	0.10
1.97	33.2	0.04	0.12	0.1	7	98.7	0.10	0.10	0.00	2.00	10.6	21.2	UnDef	0.10
2.13	38.1	0.21	0.55	0.1	7	98.7	0.11	0.11	0.00	2.00	12.2	24.3	UnDef	0.12
2.30	43.4	0.42	0.97	0.0	7	98.7	0.11	0.11	0.00	2.00	13.8	27.7	UnDef	0.13
2.46	44.1	1.01	2.30	0.2	6	98.7	0.12	0.12	0.00	2.00	16.9	33.8	3.52	0.00
2.62	41.2	1.20	2.92	0.4	6	98.7	0.13	0.13	0.00	2.00	15.8	31.6	3.29	0.00
2.79	44.1	1.16	2.63	0.2	6	98.7	0.14	0.14	0.00	2.00	16.9	33.8	3.52	0.00
2.95	35.6	0.94	2.65	1.1	6	98.7	0.15	0.15	0.00	2.00	13.6	27.3	2.84	0.00
3.12	30.5	0.68	2.24	5.3	6	98.7	0.15	0.15	0.00	2.00	11.7	23.4	2.43	0.11
3.28	25.1	0.42	1.67	7.5	6	98.7	0.16	0.16	0.00	2.00	9.6	19.3	2.00	0.10
3.44	25.0	0.26	1.04	2.2	6	98.7	0.17	0.17	0.00	2.00	9.6	19.1	1.99	0.09
3.61	30.9	0.19	0.62	-0.4	7	98.7	0.18	0.18	0.00	2.00	9.9	19.7	UnDef	0.10
3.77	32.9	0.33	1.01	-0.3	7	98.7	0.19	0.19	0.00	2.00	10.5	21.0	UnDef	0.11
3.94	31.7	0.43	1.36	0.3	6	98.7	0.20	0.20	0.00	2.00	12.2	24.3	2.52	0.11
4.10	29.8	0.52	1.75	2.0	6	98.7	0.20	0.20	0.00	2.00	11.4	22.8	2.37	0.11
4.27	29.1	0.52	1.79	1.4	6	98.7	0.21	0.21	0.00	2.00	11.1	22.3	2.31	0.11
4.43	25.3	0.41	1.62	0.7	6	98.7	0.22	0.22	0.00	2.00	9.7	19.4	2.01	0.10
4.59	24.7	0.37	1.50	5.3	6	98.7	0.23	0.23	0.00	2.00	9.5	19.0	1.96	0.10
4.76	25.4	0.36	1.42	2.9	6	98.7	0.24	0.24	0.00	2.00	9.7	19.5	2.02	0.10
4.92	24.5	0.39	1.60	2.0	6	98.7	0.24	0.24	0.00	2.00	9.4	18.8	1.94	0.10
5.09	24.2	0.37	1.53	2.6	6	98.7	0.25	0.25	0.00	1.99	9.3	18.5	1.92	0.10
5.25	21.5	0.36	1.67	3.1	6	98.7	0.26	0.26	0.00	1.96	8.3	16.2	1.70	0.10
5.41	21.8	0.34	1.56	0.0	6	98.7	0.27	0.27	0.00	1.93	8.3	16.1	1.72	0.10
5.58	21.2	0.32	1.52	3.8	6	98.7	0.28	0.28	0.00	1.90	8.1	15.4	1.67	0.10
5.74	20.3	0.36	1.78	1.4	6	98.7	0.28	0.28	0.00	1.88	7.8	14.6	1.60	0.10
5.91	19.5	0.31	1.59	4.8	6	98.7	0.29	0.29	0.00	1.85	7.5	13.8	1.54	0.10
6.07	17.3	0.26	1.51	11.6	6	98.7	0.30	0.30	0.00	1.83	6.6	12.1	1.36	0.09
6.23	17.1	0.20	1.17	9.3	6	98.7	0.31	0.31	0.00	1.80	6.5	11.8	1.34	0.09
6.40	16.2	0.18	1.12	11.4	6	98.7	0.32	0.32	0.00	1.78	6.2	11.0	1.27	0.09
6.56	16.7	0.22	1.32	6.7	6	98.7	0.32	0.32	0.00	1.76	6.4	11.2	1.31	0.09
6.73	20.4	0.30	1.47	7.7	6	98.7	0.33	0.33	0.00	1.73	7.8	13.6	1.61	0.10
6.89	21.1	0.34	1.62	8.3	6	98.7	0.34	0.34	0.00	1.71	8.1	13.8	1.66	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3880
CPT File: 315CP02.COR

th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	23.1	0.37	1.61	16.2	6	98.7	0.35	0.35	0.00	1.69	8.8	15.0	1.82	0.10
7.22	22.3	0.35	1.58	21.3	6	98.7	0.36	0.36	0.00	1.67	8.5	14.3	1.75	0.10
7.38	23.3	0.38	1.64	29.8	6	98.7	0.36	0.36	0.00	1.66	8.9	14.8	1.83	0.10
7.55	23.5	0.33	1.41	26.7	6	98.7	0.37	0.37	0.00	1.64	9.0	14.7	1.85	0.10
7.71	21.5	0.30	1.40	37.6	6	98.7	0.38	0.38	0.00	1.62	8.2	13.3	1.69	0.10
7.87	19.8	0.26	1.32	43.8	6	98.7	0.39	0.39	0.00	1.60	7.6	12.1	1.55	0.09
8.04	23.5	0.32	1.37	47.5	6	98.7	0.40	0.40	0.00	1.59	9.0	14.3	1.85	0.10
8.20	23.6	0.34	1.44	33.1	6	98.7	0.41	0.41	0.00	1.57	9.0	14.2	1.86	0.10
8.37	24.1	0.36	1.50	35.7	6	98.7	0.41	0.41	0.00	1.56	9.2	14.4	1.90	0.10
8.53	23.5	0.36	1.53	33.8	6	98.7	0.42	0.42	0.00	1.54	9.0	13.9	1.85	0.10
8.69	22.8	0.34	1.50	31.4	6	98.7	0.43	0.43	0.00	1.53	8.7	13.3	1.79	0.10
8.86	23.3	0.35	1.51	32.4	6	98.7	0.44	0.44	0.00	1.51	8.9	13.5	1.83	0.10
9.02	24.6	0.36	1.46	36.9	6	98.7	0.45	0.45	0.00	1.50	9.4	14.1	1.94	0.10
9.19	22.8	0.37	1.63	23.4	6	98.7	0.45	0.45	0.00	1.48	8.7	13.0	1.79	0.10
9.35	26.3	0.38	1.45	13.4	6	98.7	0.46	0.46	0.00	1.47	10.1	14.8	2.06	0.10
9.51	24.0	0.38	1.59	10.5	6	98.7	0.47	0.47	0.00	1.46	9.2	13.4	1.88	0.10
9.68	23.2	0.37	1.60	10.1	6	98.7	0.48	0.48	0.00	1.45	8.9	12.9	1.82	0.10
9.84	20.3	0.33	1.63	7.2	6	98.7	0.49	0.49	0.00	1.43	7.8	11.1	1.58	0.10
10.01	20.4	0.31	1.53	9.1	6	98.7	0.49	0.49	0.00	1.42	7.8	11.1	1.59	0.10
10.17	20.6	0.27	1.31	10.4	6	98.7	0.50	0.50	0.00	1.41	7.9	11.1	1.61	0.09
10.33	20.9	0.25	1.20	7.6	6	98.7	0.51	0.51	0.00	1.40	8.0	11.2	1.63	0.09
10.50	21.3	0.27	1.27	11.4	6	98.7	0.52	0.52	0.00	1.39	8.2	11.3	1.66	0.09
10.66	21.0	0.31	1.48	17.7	6	98.7	0.53	0.53	0.00	1.38	8.1	11.1	1.64	0.10
10.83	22.7	0.37	1.64	21.2	6	98.7	0.53	0.53	0.00	1.37	8.7	11.9	1.77	0.10
10.99	23.0	0.37	1.61	16.6	6	98.7	0.54	0.54	0.00	1.36	8.8	12.0	1.80	0.10
11.15	26.0	0.36	1.39	14.6	6	98.7	0.55	0.55	0.00	1.35	10.0	13.4	2.04	0.10
11.32	25.3	0.38	1.51	8.3	6	98.7	0.56	0.56	0.00	1.34	9.7	12.9	1.98	0.10
11.48	23.3	0.37	1.59	11.7	6	98.7	0.57	0.57	0.00	1.33	8.9	11.9	1.82	0.10
11.65	27.7	0.32	1.16	14.5	6	98.7	0.58	0.58	0.00	1.32	10.6	14.0	2.17	0.10
31	32.0	0.23	0.72	4.2	7	98.7	0.58	0.58	0.00	1.31	10.2	13.4	UnDef	0.10
.97	40.8	0.17	0.42	0.6	7	98.7	0.59	0.59	0.00	1.30	13.0	16.9	UnDef	0.09
12.14	47.9	0.19	0.40	0.3	8	101.8	0.60	0.60	0.00	1.29	11.5	14.8	UnDef	0.10
12.30	47.2	0.30	0.64	0.6	7	98.7	0.61	0.61	0.00	1.28	15.1	19.3	UnDef	0.11
12.47	44.8	0.45	1.01	0.7	7	98.7	0.62	0.62	0.00	1.27	14.3	18.2	UnDef	0.12
12.63	41.2	0.57	1.39	0.1	7	98.7	0.62	0.62	0.00	1.27	13.2	16.6	UnDef	0.12
12.80	36.5	0.59	1.62	0.2	6	98.7	0.63	0.63	0.00	1.26	14.0	17.6	2.87	0.12
12.96	31.2	0.59	1.90	0.8	6	98.7	0.64	0.64	0.00	1.25	11.9	14.9	2.44	0.12
13.12	27.2	0.52	1.92	2.8	6	98.7	0.65	0.65	0.00	1.24	10.4	12.9	2.12	0.12
13.29	24.7	0.44	1.79	6.8	6	98.7	0.66	0.66	0.00	1.23	9.5	11.7	1.92	0.12
13.45	23.9	0.35	1.47	10.6	6	98.7	0.66	0.66	0.00	1.23	9.2	11.2	1.86	0.10
13.62	26.9	0.41	1.53	15.7	6	98.7	0.67	0.67	0.00	1.22	10.3	12.6	2.10	0.11
13.78	39.5	0.36	0.91	12.2	7	98.7	0.68	0.68	0.00	1.21	12.6	15.3	UnDef	0.11
13.94	70.6	0.35	0.50	2.7	8	101.8	0.69	0.69	0.00	1.20	16.9	20.4	UnDef	0.14
14.11	64.8	0.33	0.51	0.7	8	101.8	0.70	0.70	0.00	1.20	15.5	18.6	UnDef	0.13
14.27	55.2	0.43	0.78	0.5	8	101.8	0.71	0.71	0.00	1.19	13.2	15.7	UnDef	0.12
14.44	48.1	0.66	1.38	0.3	7	98.7	0.71	0.71	0.00	1.18	15.4	18.2	UnDef	0.13
14.60	39.8	0.75	1.89	0.5	6	98.7	0.72	0.72	0.00	1.18	15.2	17.9	3.13	0.14
14.76	36.2	0.83	2.30	2.1	6	98.7	0.73	0.73	0.00	1.17	13.9	16.2	2.84	0.16
14.93	37.3	0.67	1.80	7.9	6	98.7	0.74	0.74	0.00	1.16	14.3	16.7	2.93	0.13
15.09	34.9	0.57	1.64	11.3	6	98.7	0.75	0.75	0.00	1.16	13.4	15.5	2.73	0.12
15.26	39.1	0.60	1.54	11.4	7	98.7	0.75	0.75	0.00	1.15	12.5	14.4	UnDef	0.12
15.42	38.6	0.64	1.66	6.8	7	98.7	0.76	0.76	0.00	1.15	12.3	14.1	UnDef	0.13
15.58	41.5	0.55	1.33	7.9	7	98.7	0.77	0.77	0.00	1.14	13.2	15.1	UnDef	0.12
15.75	55.3	0.44	0.80	4.5	8	101.8	0.78	0.78	0.00	1.13	13.2	15.0	UnDef	0.12
15.91	61.1	0.47	0.77	0.1	8	101.8	0.79	0.79	0.00	1.13	14.6	16.5	UnDef	0.13
16.08	49.4	0.58	1.18	-0.2	7	98.7	0.80	0.80	0.00	1.12	15.8	17.7	UnDef	0.13
16.24	42.6	0.62	1.46	-0.1	7	98.7	0.80	0.80	0.00	1.12	13.6	15.2	UnDef	0.13
16.40	38.6	0.70	1.82	0.6	6	98.7	0.81	0.81	0.00	1.11	14.8	16.4	3.03	0.14
16.57	31.2	0.63	2.03	1.8	6	98.7	0.82	0.82	0.00	1.10	11.9	13.2	2.43	0.15
16.73	28.6	0.57	2.00	4.9	6	98.7	0.83	0.83	0.00	1.10	10.9	12.0	2.22	0.15
90	31.9	0.52	1.63	6.2	6	98.7	0.84	0.84	0.00	1.09	12.2	13.4	2.49	0.12
06	30.3	0.50	1.65	5.5	6	98.7	0.84	0.84	0.00	1.09	11.6	12.6	2.36	0.12
.22	30.2	0.45	1.49	8.7	6	98.7	0.85	0.85	0.00	1.08	11.6	12.5	2.35	0.12
17.39	26.4	0.37	1.40	11.4	6	98.7	0.86	0.86	0.00	1.08	10.1	10.9	2.05	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3880
CPT File: 315CP02.COR

th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	26.8	0.40	1.50	14.7	6	98.7	0.87	0.87	0.00	1.07	10.3	11.0	2.07	0.12
17.72	31.1	0.34	1.10	16.4	7	98.7	0.88	0.88	0.00	1.07	9.9	10.6	UnDef	0.10
17.88	36.5	0.35	0.96	12.8	7	98.7	0.88	0.88	0.00	1.06	11.7	12.4	UnDef	0.10
18.04	39.9	0.46	1.15	3.1	7	98.7	0.89	0.89	0.00	1.06	12.8	13.5	UnDef	0.11
18.21	38.9	0.58	1.49	3.7	7	98.7	0.90	0.90	0.00	1.05	12.4	13.1	UnDef	0.12
18.37	40.8	0.64	1.57	2.7	7	98.7	0.91	0.91	0.00	1.05	13.0	13.7	UnDef	0.13
18.54	40.3	0.55	1.37	4.8	7	98.7	0.92	0.92	0.00	1.04	12.9	13.4	UnDef	0.12
18.70	40.1	0.63	1.57	2.6	7	98.7	0.92	0.92	0.00	1.04	12.8	13.3	UnDef	0.13
18.86	38.1	0.51	1.34	1.6	7	98.7	0.93	0.93	0.00	1.04	12.2	12.6	UnDef	0.12
19.03	42.4	0.45	1.06	3.9	7	98.7	0.94	0.94	0.00	1.03	13.5	13.9	UnDef	0.11
19.19	42.9	0.37	0.86	0.8	7	98.7	0.95	0.95	0.00	1.03	13.7	14.1	UnDef	0.11
19.36	42.7	0.42	0.99	0.2	7	98.7	0.96	0.96	0.00	1.02	13.6	13.9	UnDef	0.11
19.52	36.3	0.50	1.38	0.4	7	98.7	0.97	0.97	0.00	1.02	11.6	11.8	UnDef	0.12
19.68	32.3	0.54	1.68	1.9	6	98.7	0.97	0.97	0.00	1.01	12.4	12.5	2.50	0.14
19.85	29.7	0.49	1.65	5.3	6	98.7	0.98	0.98	0.00	1.01	11.4	11.5	2.30	0.14
20.01	28.0	0.45	1.61	10.6	6	98.7	0.99	0.99	0.00	1.01	10.7	10.8	2.16	0.14
20.18	28.6	0.45	1.58	16.9	6	98.7	1.00	1.00	0.00	1.00	11.0	11.0	2.21	0.13
20.34	27.1	0.47	1.74	22.7	6	98.7	1.01	1.01	0.00	1.00	10.4	10.4	2.09	0.16
20.51	27.7	0.45	1.63	28.1	6	98.7	1.01	1.01	0.00	0.99	10.6	10.5	2.13	0.15
20.67	26.5	0.42	1.59	32.4	6	98.7	1.02	1.02	0.00	0.99	10.1	10.0	2.04	0.15
20.83	26.4	0.35	1.33	35.9	6	98.7	1.03	1.03	0.00	0.99	10.1	10.0	2.03	0.12
21.00	24.5	0.29	1.19	41.1	6	98.7	1.04	1.04	0.00	0.98	9.4	9.2	1.87	0.12
21.16	27.1	0.31	1.15	46.7	6	98.7	1.05	1.05	0.00	0.98	10.4	10.2	2.09	0.11
21.33	27.6	0.31	1.13	48.3	6	98.7	1.05	1.05	0.00	0.97	10.6	10.3	2.12	0.11
21.49	31.3	0.46	1.47	50.7	6	98.7	1.06	1.06	0.00	0.97	12.0	11.6	2.42	0.13
21.65	30.2	0.41	1.36	10.5	6	98.7	1.07	1.07	0.00	0.97	11.6	11.2	2.33	0.12
21.82	23.3	0.37	1.59	14.7	6	98.7	1.08	1.08	0.00	0.96	8.9	8.6	1.78	0.20
21.98	24.2	0.29	1.20	17.4	6	98.7	1.09	1.09	0.00	0.96	9.3	8.9	1.85	0.12
[illegible].15	25.1	0.61	2.43	18.7	6	98.7	1.09	1.09	0.00	0.96	9.6	9.2	1.92	0.23
[illegible]31	26.2	0.58	2.22	23.0	6	98.7	1.10	1.10	0.00	0.95	10.0	9.6	2.01	0.25
[illegible].47	33.9	0.56	1.66	22.6	6	98.7	1.11	1.11	0.00	0.95	13.0	12.3	2.62	0.15
22.64	32.0	0.52	1.63	32.5	6	98.7	1.12	1.12	0.00	0.95	12.2	11.6	2.47	0.15
22.80	33.3	0.51	1.54	36.2	6	98.7	1.13	1.13	0.00	0.94	12.7	12.0	2.57	0.14
22.97	30.0	0.44	1.47	27.9	6	98.7	1.14	1.14	0.00	0.94	11.5	10.8	2.31	0.14
23.13	30.7	0.46	1.50	32.1	6	98.7	1.14	1.14	0.00	0.94	11.8	11.0	2.36	0.14
23.29	32.9	0.47	1.43	34.2	6	98.7	1.15	1.15	0.00	0.93	12.6	11.7	2.54	0.13
23.46	34.2	0.52	1.53	37.4	6	98.7	1.16	1.16	0.00	0.93	13.1	12.2	2.64	0.14
23.62	40.2	0.63	1.57	31.1	7	98.7	1.17	1.17	0.00	0.93	12.8	11.9	UnDef	0.14
23.79	42.6	0.57	1.34	10.7	7	98.7	1.18	1.18	0.00	0.92	13.6	12.5	UnDef	0.13
23.95	50.5	0.57	1.13	8.1	7	98.7	1.18	1.18	0.00	0.92	16.1	14.8	UnDef	0.13
24.11	54.9	0.85	1.55	0.5	7	98.7	1.19	1.19	0.00	0.92	17.5	16.0	UnDef	0.16
24.28	55.3	0.94	1.70	0.0	7	98.7	1.20	1.20	0.00	0.91	17.7	16.1	UnDef	0.17
24.44	53.3	1.22	2.29	2.5	6	98.7	1.21	1.21	0.00	0.91	20.4	18.6	4.17	0.24
24.61	60.4	1.22	2.02	1.6	7	98.7	1.22	1.22	0.00	0.91	19.3	17.5	UnDef	0.21
24.77	71.2	1.00	1.41	1.3	7	98.7	1.22	1.22	0.00	0.90	22.7	20.6	UnDef	0.17
24.93	76.3	0.81	1.06	-0.3	8	101.8	1.23	1.23	0.00	0.90	18.3	16.5	UnDef	0.16
25.10	77.8	0.77	0.99	-0.2	8	101.8	1.24	1.24	0.00	0.90	18.6	16.7	UnDef	0.16
25.26	81.3	1.12	1.38	0.0	8	101.8	1.25	1.25	0.00	0.89	19.5	17.4	UnDef	0.19
25.43	81.8	1.34	1.64	0.6	7	98.7	1.26	1.26	0.00	0.89	26.1	23.3	UnDef	0.22
25.59	77.7	1.54	1.99	-0.4	7	98.7	1.27	1.27	0.00	0.89	24.8	22.0	UnDef	0.25
25.75	74.9	1.65	2.21	-1.3	7	98.7	1.27	1.27	0.00	0.89	23.9	21.2	UnDef	0.27
25.92	61.5	1.78	2.90	1.8	6	98.7	1.28	1.28	0.00	0.88	23.5	20.8	4.81	0.40
26.08	101.0	1.75	1.74	5.5	7	98.7	1.29	1.29	0.00	0.88	32.2	28.4	UnDef	0.29
26.25	159.3	0.02	0.01	0.0	9	101.8	1.30	1.30	0.00	0.88	30.5	26.8	UnDef	0.32
26.41	151.5	0.02	0.01	-0.6	9	101.8	1.31	1.31	0.00	0.87	29.0	25.4	UnDef	0.28

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3880
·b No: 99-315
ent: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-2
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 11:01
CPT File: 315CP02.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-05	0.00	1000.0	0.20	10	19.7	0.0	19.7	0.0	50	70.5	10.0	-0.25	0.0	7.9
0.33	5.0E-04	0.00	1000.0	0.09	10	44.8	0.0	44.8	0.0	50	84.1	1.0	-0.18	0.0	14.9
0.49	5.0E-03	0.00	1000.0	0.05	10	71.8	0.0	71.8	0.0	50	91.8	1.0	-0.14	0.0	18.0
0.66	5.0E-03	0.00	1000.0	0.06	10	100.2	0.0	100.2	0.0	50	95.0	1.0	-0.14	0.0	25.1
0.82	5.0E-03	0.00	1000.0	0.40	10	115.8	0.0	115.8	0.0	50	95.0	1.0	-0.31	0.0	28.9
0.98	5.0E-04	0.00	1000.0	1.24	9	116.6	0.0	116.6	1.4	50	95.0	1.0	-0.43	0.0	38.9
1.15	5.0E-05	0.00	923.3	2.14	12	101.7	UnDef	UnDef	0.0	50	89.5	10.0	-0.52	UnDef	UnDef
·.31	5.0E-05	0.00	674.2	2.61	12	84.7	UnDef	UnDef	0.0	50	82.3	10.0	-0.53	UnDef	UnDef
48	5.0E-05	0.00	511.8	1.73	9	72.3	0.2	72.5	5.1	48	76.1	10.0	-0.42	0.1	29.0
.64	5.0E-04	0.00	411.0	0.54	10	64.5	0.0	64.5	0.2	48	71.3	1.0	-0.26	0.0	21.5
1.80	5.0E-04	0.00	345.4	0.16	10	59.6	0.0	59.6	0.0	48	67.7	1.0	-0.14	0.0	19.9
1.97	5.0E-04	0.00	338.4	0.12	10	63.6	0.0	63.6	0.0	48	68.4	1.0	-0.11	0.0	21.2
2.13	5.0E-04	0.00	358.8	0.55	10	73.0	0.0	73.0	0.7	48	71.2	1.0	-0.25	0.0	24.3
2.30	5.0E-04	0.00	379.2	0.97	9	83.1	0.0	83.1	2.9	48	73.8	1.0	-0.31	0.0	27.7
2.46	5.0E-05	0.00	359.8	2.30	12	84.4	UnDef	UnDef	0.0	48	73.3	10.0	-0.43	UnDef	UnDef
2.62	5.0E-05	0.00	315.3	2.93	12	78.9	UnDef	UnDef	0.0	46	70.5	10.0	-0.47	UnDef	UnDef
2.79	5.0E-05	0.00	318.1	2.64	12	84.6	UnDef	UnDef	0.0	46	71.6	10.0	-0.45	UnDef	UnDef
2.95	5.0E-05	0.00	242.0	2.66	12	68.2	UnDef	UnDef	0.0	46	64.6	10.0	-0.42	UnDef	UnDef
3.12	5.0E-05	0.01	196.4	2.25	9	58.4	13.4	71.8	12.0	46	59.4	10.0	-0.36	3.1	26.4
3.28	5.0E-05	0.01	153.6	1.69	9	48.1	9.6	57.8	11.2	44	53.1	10.0	-0.29	2.2	21.5
3.44	5.0E-05	0.00	145.4	1.05	9	47.9	4.4	52.3	8.2	44	52.2	10.0	-0.23	1.1	20.2
3.61	5.0E-04	0.00	171.9	0.62	9	59.2	0.0	59.2	4.3	44	57.7	1.0	-0.19	0.0	19.7
3.77	5.0E-04	0.00	175.0	1.01	9	63.0	3.1	66.1	6.8	44	58.8	1.0	-0.24	0.6	21.6
3.94	5.0E-05	0.00	161.8	1.37	9	60.8	7.8	68.6	9.3	44	57.2	10.0	-0.27	1.9	26.2
4.10	5.0E-05	0.00	145.6	1.76	9	57.0	13.1	70.1	12.0	44	54.8	10.0	-0.29	3.0	25.8
4.27	5.0E-05	0.00	136.7	1.81	9	55.7	14.4	70.1	12.7	44	53.5	10.0	-0.28	3.3	25.6
4.43	5.0E-05	0.00	114.4	1.64	9	48.5	13.8	62.2	13.3	42	49.0	10.0	-0.25	3.1	22.5
4.59	5.0E-05	0.01	107.8	1.51	9	47.4	13.1	60.5	13.1	42	47.9	10.0	-0.24	3.0	21.9
4.76	5.0E-05	0.00	107.0	1.43	9	48.7	12.7	61.4	12.7	42	48.1	10.0	-0.23	2.9	22.4
4.92	5.0E-05	0.00	99.5	1.61	7	46.9	15.6	62.5	14.4	42	46.6	10.0	-0.24	3.5	22.2
5.09	5.0E-05	0.00	95.2	1.55	7	46.4	15.5	61.9	14.4	42	45.8	10.0	-0.23	3.4	21.9
5.25	5.0E-05	0.00	82.0	1.70	7	41.3	18.6	59.8	16.6	42	42.0	10.0	-0.22	3.9	20.1
5.41	5.0E-05	0.00	80.3	1.58	7	41.2	17.6	58.8	16.2	42	41.9	10.0	-0.21	3.7	19.8
5.58	5.0E-05	0.01	75.7	1.54	7	39.4	17.5	56.9	16.5	40	40.6	10.0	-0.20	3.7	19.1
5.74	5.0E-05	0.00	70.3	1.81	7	37.2	21.7	58.9	18.8	40	38.9	10.0	-0.21	4.4	18.9
5.91	5.0E-05	0.01	65.8	1.62	7	35.3	19.8	55.1	18.5	40	37.4	10.0	-0.19	4.0	17.8
6.07	5.0E-05	0.02	56.6	1.53	7	30.9	19.8	50.7	19.6	40	33.6	10.0	-0.17	3.9	16.0
6.23	5.0E-05	0.02	54.4	1.19	7	30.1	15.7	45.9	17.9	40	32.9	10.0	-0.14	3.2	15.0
6.40	5.0E-05	0.02	50.1	1.14	7	28.1	15.7	43.8	18.4	38	30.9	10.0	-0.13	3.2	14.2
56	5.0E-05	0.01	50.5	1.35	7	28.7	18.7	47.4	19.8	38	31.5	10.0	-0.15	3.7	14.9
73	5.0E-05	0.01	60.4	1.50	7	34.6	20.0	54.6	18.7	40	36.9	10.0	-0.18	4.0	17.6
6.89	5.0E-05	0.01	60.8	1.64	7	35.3	22.3	57.6	19.5	40	37.4	10.0	-0.19	4.4	18.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3880
CPT File: 315CP02.COR

th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	65.2	1.63	7	38.2	21.9	60.2	18.7	40	39.7	10.0	-0.19	4.4	19.4
7.22	5.0E-05	0.03	61.4	1.60	7	36.5	22.1	58.6	19.1	40	38.4	10.0	-0.18	4.4	18.7
7.38	5.0E-05	0.04	62.8	1.66	7	37.7	23.1	60.8	19.2	40	39.3	10.0	-0.19	4.6	19.4
7.55	5.0E-05	0.04	62.0	1.43	7	37.7	20.0	57.6	18.0	40	39.3	10.0	-0.17	4.1	18.8
7.71	5.0E-05	0.06	55.4	1.42	7	34.1	20.8	54.9	19.2	40	36.4	10.0	-0.16	4.1	17.5
7.87	5.0E-05	0.07	49.7	1.35	7	31.0	20.6	51.6	19.9	38	33.7	6.0	-0.14	4.0	16.2
8.04	5.0E-05	0.06	58.1	1.39	7	36.5	20.4	56.9	18.4	40	38.3	10.0	-0.16	4.1	18.4
8.20	5.0E-05	0.04	57.2	1.47	7	36.3	22.0	58.2	19.1	40	38.2	10.0	-0.17	4.4	18.6
8.37	5.0E-05	0.05	57.3	1.52	7	36.7	23.0	59.7	19.4	40	38.6	10.0	-0.17	4.6	18.9
8.53	5.0E-05	0.05	54.8	1.56	7	35.5	24.2	59.7	20.2	40	37.6	10.0	-0.17	4.7	18.6
8.69	5.0E-05	0.04	52.0	1.53	7	34.0	24.2	58.2	20.6	38	36.3	10.0	-0.16	4.7	18.0
8.86	5.0E-05	0.04	52.2	1.54	7	34.4	24.6	59.0	20.6	38	36.7	10.0	-0.16	4.8	18.2
9.02	5.0E-05	0.05	54.3	1.49	7	36.1	23.8	59.9	19.9	40	38.1	10.0	-0.16	4.7	18.8
9.19	5.0E-05	0.03	49.2	1.66	7	33.1	27.8	60.9	22.1	38	35.6	6.0	-0.16	5.2	18.1
9.35	5.0E-05	0.02	55.8	1.48	7	37.8	23.7	61.5	19.4	40	39.4	10.0	-0.17	4.7	19.5
9.51	5.0E-05	0.01	50.1	1.62	7	34.3	27.3	61.6	21.6	38	36.6	10.0	-0.16	5.2	18.6
9.68	5.0E-05	0.01	47.6	1.63	7	32.9	28.3	61.1	22.3	38	35.4	6.0	-0.16	5.2	18.1
9.84	5.0E-05	0.01	40.7	1.67	7	28.5	31.2	59.7	24.6	38	31.3	6.0	-0.15	5.4	16.6
10.01	5.0E-05	0.01	40.2	1.56	7	28.3	29.4	57.8	24.1	38	31.1	6.0	-0.14	5.2	16.3
10.17	5.0E-05	0.02	40.0	1.35	7	28.5	25.4	53.9	22.7	38	31.3	6.0	-0.12	4.7	15.8
10.33	5.0E-05	0.01	39.8	1.23	7	28.6	23.5	52.1	21.9	38	31.4	6.0	-0.12	4.4	15.6
10.50	5.0E-05	0.02	40.1	1.30	7	29.0	24.9	53.9	22.3	38	31.8	6.0	-0.12	4.6	16.0
10.66	5.0E-05	0.03	38.9	1.52	7	28.4	29.8	58.2	24.2	38	31.2	6.0	-0.13	5.2	16.3
10.83	5.0E-05	0.03	41.4	1.68	7	30.3	32.6	62.9	24.4	38	33.1	6.0	-0.15	5.7	17.6
10.99	5.0E-05	0.02	41.4	1.65	7	30.6	32.3	62.9	24.2	38	33.3	6.0	-0.15	5.7	17.6
11.15	5.0E-05	0.02	46.2	1.42	7	34.3	26.5	60.8	21.3	38	36.6	6.0	-0.14	5.0	18.5
11.32	5.0E-05	0.01	44.2	1.54	7	33.1	29.6	62.7	22.7	38	35.6	6.0	-0.15	5.4	18.4
11.48	5.0E-05	0.02	40.1	1.63	7	30.3	33.0	63.3	24.5	38	33.0	6.0	-0.14	5.7	17.6
[illegible].65	5.0E-05	0.02	47.1	1.18	7	35.7	22.5	58.2	19.5	38	37.7	6.0	-0.13	4.5	18.4
81	5.0E-04	0.00	53.8	0.73	9	40.9	13.6	54.6	14.4	40	41.7	1.0	-0.10	2.5	15.8
[illegible].97	5.0E-04	0.00	67.9	0.42	9	51.9	0.0	51.9	5.0	40	48.5	1.0	-0.08	0.0	16.9
12.14	5.0E-03	0.00	78.9	0.40	9	60.5	0.0	60.5	5.0	42	52.9	1.0	-0.09	0.0	14.8
12.30	5.0E-04	0.00	76.6	0.65	9	59.2	9.5	68.7	10.2	40	52.3	1.0	-0.12	1.8	21.2
12.47	5.0E-04	0.00	71.7	1.02	9	55.8	17.0	72.9	13.8	40	50.6	1.0	-0.16	3.1	21.3
12.63	5.0E-04	0.00	65.0	1.41	7	51.0	25.1	76.1	17.3	40	48.0	1.0	-0.18	4.3	21.0
12.80	5.0E-05	0.00	56.7	1.65	7	44.9	31.1	76.0	20.3	40	44.3	10.0	-0.18	6.0	23.6
12.96	5.0E-05	0.00	47.7	1.94	7	38.1	39.6	77.7	24.1	38	39.6	6.0	-0.18	7.0	21.9
13.12	5.0E-05	0.00	40.9	1.97	7	33.0	43.4	76.4	26.3	38	35.5	6.0	-0.17	7.1	20.0
13.29	5.0E-05	0.01	36.6	1.84	7	29.8	42.7	72.5	27.1	38	32.6	6.0	-0.15	6.8	18.5
13.45	5.0E-05	0.01	35.0	1.51	7	28.7	35.1	63.8	25.6	38	31.5	6.0	-0.12	5.9	17.1
13.62	5.0E-05	0.02	39.0	1.57	7	32.1	34.9	67.0	24.5	38	34.7	6.0	-0.14	6.1	18.6
13.78	5.0E-04	0.01	57.0	0.93	7	46.8	18.0	64.8	15.4	40	45.5	1.0	-0.13	3.2	18.5
13.94	5.0E-03	0.00	101.5	0.50	9	83.2	3.9	87.1	6.7	42	62.0	1.0	-0.13	0.6	21.0
14.11	5.0E-03	0.00	91.9	0.52	9	75.9	5.5	81.4	7.5	42	59.4	1.0	-0.12	0.8	19.4
14.27	5.0E-03	0.00	77.2	0.79	9	64.3	13.0	77.3	11.3	40	54.6	1.0	-0.14	1.9	17.6
14.44	5.0E-04	0.00	66.4	1.40	7	55.7	26.4	82.1	17.0	40	50.5	1.0	-0.18	4.6	22.7
14.60	5.0E-05	0.00	54.1	1.92	7	45.8	39.9	85.7	22.4	40	44.9	10.0	-0.19	7.4	25.3
14.76	5.0E-05	0.00	48.6	2.34	7	41.5	52.8	94.3	26.0	38	42.1	6.0	-0.21	8.8	25.0
14.93	5.0E-05	0.01	49.6	1.83	7	42.5	39.4	81.9	23.0	38	42.8	6.0	-0.18	7.2	23.8
15.09	5.0E-05	0.01	45.7	1.67	7	39.5	36.9	76.4	23.1	38	40.6	6.0	-0.16	6.7	22.2
15.26	5.0E-04	0.01	50.8	1.57	7	44.0	33.3	77.4	21.1	38	43.8	1.0	-0.16	5.3	19.7
15.42	5.0E-04	0.01	49.6	1.69	7	43.3	36.7	80.0	22.2	38	43.3	1.0	-0.17	5.7	19.8
15.58	5.0E-04	0.01	52.8	1.35	7	46.3	28.5	74.8	19.3	40	45.2	1.0	-0.15	4.7	19.8
15.75	5.0E-03	0.00	70.0	0.81	9	61.3	15.0	76.3	12.4	40	53.2	1.0	-0.13	2.1	17.1
15.91	5.0E-03	0.00	76.7	0.78	9	67.4	13.6	81.1	11.3	40	56.0	1.0	-0.14	1.9	18.4
16.08	5.0E-04	0.00	61.2	1.20	7	54.2	24.3	78.6	16.6	40	49.7	1.0	-0.16	4.2	21.9
16.24	5.0E-04	0.00	52.0	1.49	7	46.5	32.2	78.8	20.3	38	45.3	1.0	-0.16	5.2	20.4
16.40	5.0E-05	0.00	46.6	1.85	7	42.0	42.8	84.8	23.9	38	42.4	6.0	-0.17	7.6	24.0
16.57	5.0E-05	0.00	37.0	2.08	7	33.7	55.5	89.2	28.3	38	36.1	6.0	-0.16	8.4	21.6
16.73	5.0E-05	0.01	33.5	2.06	7	30.7	59.2	89.9	29.6	36	33.5	6.0	-0.15	8.4	20.5
[illegible] 90	5.0E-05	0.01	37.2	1.68	7	34.2	43.0	77.1	25.9	38	36.5	6.0	-0.14	7.2	20.5
[illegible]06	5.0E-05	0.01	34.9	1.70	7	32.3	45.5	77.8	26.9	38	34.9	6.0	-0.13	7.3	19.9
[illegible].22	5.0E-05	0.01	34.4	1.54	7	32.0	41.0	73.0	26.0	36	34.6	6.0	-0.12	6.8	19.3
17.39	5.0E-05	0.01	29.7	1.45	7	27.9	42.3	70.2	27.6	36	30.7	6.0	-0.10	6.6	17.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3880
CPT File: 315CP02.COR

th (c)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	29.8	1.55	7	28.1	45.8	73.9	28.2	36	30.9	6.0	-0.11	7.0	18.0
17.72	5.0E-04	0.02	34.4	1.13	7	32.5	30.2	62.7	23.1	36	35.0	1.0	-0.09	4.6	15.2
17.88	5.0E-04	0.01	40.3	0.98	7	38.0	24.9	62.9	19.8	38	39.6	1.0	-0.10	4.1	16.5
18.04	5.0E-04	0.00	43.8	1.18	7	41.4	28.7	70.1	20.3	38	42.0	1.0	-0.12	4.6	18.1
18.21	5.0E-04	0.00	42.2	1.53	7	40.1	38.0	78.1	23.2	38	41.1	1.0	-0.14	5.7	18.8
18.37	5.0E-04	0.00	43.9	1.61	7	41.9	39.7	81.5	23.2	38	42.3	1.0	-0.15	6.0	19.6
18.54	5.0E-04	0.00	43.0	1.40	7	41.2	34.7	75.9	22.1	38	41.9	1.0	-0.14	5.4	18.8
18.70	5.0E-04	0.00	42.4	1.61	7	40.8	40.6	81.5	23.7	38	41.6	1.0	-0.15	6.0	19.4
18.86	5.0E-04	0.00	39.9	1.37	7	38.6	35.4	74.1	22.9	38	40.0	1.0	-0.13	5.4	18.0
19.03	5.0E-04	0.00	44.0	1.09	7	42.7	27.2	70.0	19.6	38	42.9	1.0	-0.12	4.5	18.4
19.19	5.0E-04	0.00	44.2	0.88	7	43.1	22.5	65.6	17.8	38	43.2	1.0	-0.10	3.8	17.9
19.36	5.0E-04	0.00	43.6	1.01	7	42.7	25.7	68.4	19.1	38	42.9	1.0	-0.11	4.3	18.2
19.52	5.0E-04	0.00	36.6	1.42	7	36.1	38.7	74.9	24.4	38	38.1	1.0	-0.12	5.6	17.4
19.68	5.0E-05	0.00	32.1	1.73	7	32.0	52.6	84.6	28.3	36	34.6	6.0	-0.13	8.0	20.5
19.85	5.0E-05	0.01	29.3	1.71	7	29.4	55.9	85.3	29.6	36	32.2	6.0	-0.12	8.0	19.5
20.01	5.0E-05	0.01	27.3	1.67	7	27.6	57.9	85.5	30.4	36	30.3	6.0	-0.11	7.9	18.7
20.18	5.0E-05	0.02	27.7	1.63	7	28.1	55.7	83.8	29.9	36	30.8	6.0	-0.10	7.8	18.8
20.34	5.0E-05	0.03	26.0	1.80	7	26.5	69.0	95.5	32.1	34	30.0	6.0	-0.11	8.5	18.9
20.51	5.0E-05	0.03	26.3	1.69	7	26.9	62.2	89.1	31.1	34	30.0	6.0	-0.10	8.2	18.7
20.67	5.0E-05	0.04	24.9	1.65	7	25.6	64.1	89.8	31.8	34	30.0	6.0	-0.09	8.1	18.1
20.83	5.0E-05	0.04	24.6	1.39	7	25.4	51.2	76.6	30.0	34	30.0	6.0	-0.08	7.1	17.1
21.00	5.0E-05	0.05	22.6	1.24	7	23.5	48.8	72.3	30.3	34	30.0	6.0	-0.06	6.7	15.9
21.16	5.0E-05	0.06	24.9	1.19	7	25.9	42.7	68.7	28.3	34	30.0	6.0	-0.06	6.5	16.6
21.33	5.0E-05	0.06	25.1	1.17	7	26.3	41.8	68.1	28.0	34	30.0	6.0	-0.06	6.4	16.7
21.49	5.0E-05	0.05	28.4	1.53	7	29.7	51.6	81.3	28.8	36	32.5	6.0	-0.10	7.7	19.3
21.65	5.0E-05	0.01	27.2	1.41	7	28.6	48.8	77.4	28.6	36	31.4	6.0	-0.09	7.3	18.5
21.82	5.0E-05	0.02	20.6	1.67	6	22.0	87.9	109.9	35.0	34	30.0	6.0	-0.08	8.6	17.2
21.98	5.0E-05	0.02	21.3	1.26	7	22.7	54.1	76.9	31.4	34	30.0	6.0	-0.06	7.0	15.9
22.15	5.0E-05	0.02	22.0	2.54	6	23.5	94.0	117.5	39.3	34	30.0	6.0	-0.12	9.2	18.4
31	5.0E-05	0.03	22.8	2.31	6	24.4	97.8	122.2	37.4	34	30.0	6.0	-0.12	9.6	19.1
47	5.0E-05	0.02	29.5	1.71	7	31.5	59.3	90.8	29.5	36	34.1	6.0	-0.11	8.5	20.8
22.64	5.0E-05	0.03	27.6	1.69	7	29.6	62.1	91.7	30.4	36	32.4	6.0	-0.11	8.5	20.1
22.80	5.0E-05	0.04	28.5	1.59	7	30.7	55.9	86.6	29.2	36	33.4	6.0	-0.10	8.1	20.1
22.97	5.0E-05	0.03	25.4	1.53	7	27.6	59.0	86.6	30.5	34	30.3	6.0	-0.09	8.0	18.8
23.13	5.0E-05	0.03	25.8	1.56	7	28.1	60.1	88.2	30.5	34	30.9	6.0	-0.09	8.2	19.2
23.29	5.0E-05	0.03	27.5	1.49	7	30.0	53.4	83.3	29.0	36	32.7	6.0	-0.09	7.8	19.6
23.46	5.0E-05	0.04	28.5	1.58	7	31.0	56.3	87.3	29.1	36	33.7	6.0	-0.10	8.2	20.4
23.62	5.0E-04	0.02	33.4	1.62	7	36.4	51.8	88.2	27.0	36	38.3	1.0	-0.12	6.9	18.8
23.79	5.0E-04	0.01	35.2	1.38	7	38.4	42.3	80.8	24.6	38	39.9	1.0	-0.11	6.1	18.7
23.95	5.0E-04	0.01	41.7	1.16	7	45.4	33.1	78.5	20.8	38	44.7	1.0	-0.12	5.3	20.1
24.11	5.0E-04	0.00	45.0	1.59	7	49.2	44.3	93.5	22.7	38	46.9	1.0	-0.15	6.8	22.8
24.28	5.0E-04	0.00	45.1	1.74	7	49.4	49.1	98.5	23.7	38	47.1	1.0	-0.16	7.3	23.4
24.44	5.0E-05	0.00	43.1	2.35	7	47.4	72.2	119.7	27.6	38	45.9	6.0	-0.19	11.3	29.8
24.61	5.0E-04	0.00	48.7	2.06	7	53.6	58.3	111.9	24.5	38	49.4	1.0	-0.19	8.5	26.0
24.77	5.0E-04	0.00	57.2	1.43	7	63.0	37.1	100.1	18.9	40	54.0	1.0	-0.17	6.2	26.8
24.93	5.0E-03	0.00	60.9	1.08	7	67.2	27.4	94.6	15.8	40	55.9	1.0	-0.15	3.6	20.1
25.10	5.0E-03	0.00	61.7	1.01	7	68.4	25.4	93.8	15.2	40	56.4	1.0	-0.14	3.4	20.1
25.26	5.0E-03	0.00	64.1	1.40	7	71.2	35.4	106.6	17.4	40	57.5	1.0	-0.18	4.6	22.0
25.43	5.0E-04	0.00	64.1	1.67	7	71.4	42.8	114.2	19.0	40	57.6	1.0	-0.19	7.1	30.4
25.59	5.0E-04	0.00	60.4	2.02	7	67.6	54.0	121.6	21.6	40	56.0	1.0	-0.21	8.5	30.5
25.75	5.0E-04	0.00	57.8	2.25	7	64.9	62.1	127.1	23.3	40	54.9	1.0	-0.22	9.3	30.5
25.92	5.0E-05	0.00	46.9	2.97	6	53.1	98.5	151.6	29.3	38	49.1	6.0	-0.24	14.2	35.0
26.08	5.0E-04	0.00	77.3	1.76	7	87.0	43.9	130.9	17.6	40	63.3	1.0	-0.22	7.5	35.9
26.25	5.0E-02	0.00	121.7	0.01	10	136.8	0.0	136.8	3.4	42	76.3	1.0	0.16	0.0	26.8
26.41	5.0E-02	0.00	115.0	0.01	9	129.7	0.0	129.7	3.6	42	74.7	1.0	0.16	0.0	25.4

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3913
No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-3
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 11:39
CPT File: 315CP03.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	14.8	0.02	0.14	-0.1	6	98.7	0.01	0.01	0.00	2.00	5.7	11.3	1.18	0.00
0.33	25.4	0.02	0.08	0.0	7	98.7	0.02	0.02	0.00	2.00	8.1	16.2	UnDef	0.09
0.49	44.2	0.02	0.05	-0.9	8	101.8	0.02	0.02	0.00	2.00	10.6	21.2	UnDef	0.14
0.66	59.5	0.10	0.17	-0.8	8	101.8	0.03	0.03	0.00	2.00	14.3	28.5	UnDef	0.22
0.82	62.2	0.45	0.73	-0.4	8	101.8	0.04	0.04	0.00	2.00	14.9	29.8	UnDef	0.24
0.98	51.5	0.62	1.21	-1.0	7	98.7	0.05	0.05	0.00	2.00	16.4	32.9	UnDef	0.17
1.15	44.6	0.69	1.55	-0.7	7	98.7	0.06	0.06	0.00	2.00	14.3	28.5	UnDef	0.00
31	44.2	0.36	0.82	-0.5	7	98.7	0.07	0.07	0.00	2.00	14.1	28.2	UnDef	0.14
48	41.3	0.22	0.53	-0.4	7	98.7	0.07	0.07	0.00	2.00	13.2	26.3	UnDef	0.13
1.64	35.2	0.14	0.40	-0.4	7	98.7	0.08	0.08	0.00	2.00	11.2	22.5	UnDef	0.11
1.80	29.8	0.09	0.30	-0.7	7	98.7	0.09	0.09	0.00	2.00	9.5	19.0	UnDef	0.10
1.97	27.7	0.02	0.07	-0.4	7	98.7	0.10	0.10	0.00	2.00	8.9	17.7	UnDef	0.09
2.13	29.1	0.08	0.28	-0.1	7	98.7	0.11	0.11	0.00	2.00	9.3	18.6	UnDef	0.10
2.30	31.1	0.36	1.16	-0.3	7	98.7	0.11	0.11	0.00	2.00	9.9	19.9	UnDef	0.10
2.46	29.5	0.56	1.91	0.2	6	98.7	0.12	0.12	0.00	2.00	11.3	22.6	2.35	0.10
2.62	31.3	0.52	1.67	-2.6	6	98.7	0.13	0.13	0.00	2.00	12.0	24.0	2.49	0.11
2.79	27.9	0.42	1.51	4.7	6	98.7	0.14	0.14	0.00	2.00	10.7	21.4	2.22	0.10
2.95	24.7	0.26	1.06	6.3	6	98.7	0.15	0.15	0.00	2.00	9.5	18.9	1.96	0.09
3.12	21.3	0.17	0.80	9.1	6	98.7	0.15	0.15	0.00	2.00	8.1	16.3	1.69	0.09
3.28	20.2	0.11	0.54	9.7	6	98.7	0.16	0.16	0.00	2.00	7.8	15.5	1.61	0.09
3.44	18.1	0.04	0.22	8.5	7	98.7	0.17	0.17	0.00	2.00	5.8	11.5	UnDef	0.08
3.61	19.5	0.02	0.10	0.4	7	98.7	0.18	0.18	0.00	2.00	6.2	12.4	UnDef	0.08
3.77	22.1	0.02	0.09	0.0	7	98.7	0.19	0.19	0.00	2.00	7.1	14.1	UnDef	0.09
3.94	19.0	0.02	0.11	0.7	7	98.7	0.20	0.20	0.00	2.00	6.1	12.2	UnDef	0.08
4.10	19.9	0.06	0.30	1.1	7	98.7	0.20	0.20	0.00	2.00	6.4	12.7	UnDef	0.09
4.27	21.5	0.10	0.47	1.5	7	98.7	0.21	0.21	0.00	2.00	6.9	13.8	UnDef	0.09
4.43	22.0	0.08	0.36	1.5	7	98.7	0.22	0.22	0.00	2.00	7.0	14.0	UnDef	0.09
4.59	20.1	0.07	0.35	1.4	7	98.7	0.23	0.23	0.00	2.00	6.4	12.8	UnDef	0.09
4.76	19.5	0.05	0.26	1.1	7	98.7	0.24	0.24	0.00	2.00	6.2	12.4	UnDef	0.08
4.92	18.5	0.05	0.27	0.4	7	98.7	0.24	0.24	0.00	2.00	5.9	11.8	UnDef	0.08
5.09	18.8	0.04	0.21	0.6	7	98.7	0.25	0.25	0.00	1.99	6.0	12.0	UnDef	0.08
5.25	19.2	0.05	0.26	0.9	7	98.7	0.26	0.26	0.00	1.96	6.1	12.0	UnDef	0.08
5.41	20.0	0.06	0.30	1.0	7	98.7	0.27	0.27	0.00	1.93	6.4	12.3	UnDef	0.09
5.58	17.8	0.19	1.07	0.6	6	98.7	0.28	0.28	0.00	1.90	6.8	13.0	1.40	0.09
5.74	15.3	0.14	0.92	-0.1	6	98.7	0.28	0.28	0.00	1.88	5.9	11.0	1.20	0.09
5.91	14.7	0.05	0.34	1.1	6	98.7	0.29	0.29	0.00	1.85	5.6	10.4	1.15	0.00
6.07	13.9	0.02	0.14	1.0	6	98.7	0.30	0.30	0.00	1.83	5.3	9.7	1.09	0.00
6.23	13.9	0.03	0.22	1.1	6	98.7	0.31	0.31	0.00	1.80	5.3	9.6	1.09	0.00
40	15.8	0.06	0.38	1.1	6	98.7	0.32	0.32	0.00	1.78	6.1	10.8	1.24	0.00
6	16.7	0.13	0.78	1.1	6	98.7	0.32	0.32	0.00	1.76	6.4	11.2	1.31	0.09
73	18.0	0.23	1.28	0.0	6	98.7	0.33	0.33	0.00	1.73	6.9	12.0	1.41	0.09
6.89	21.1	0.24	1.14	0.6	6	98.7	0.34	0.34	0.00	1.71	8.1	13.9	1.66	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3913
CPT File: 315CP03.COR

,th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	20.8	0.29	1.40	10.6	6	98.7	0.35	0.35	0.00	1.69	8.0	13.5	1.64	0.09
7.22	21.7	0.28	1.29	17.0	6	98.7	0.36	0.36	0.00	1.67	8.3	13.9	1.71	0.09
7.38	20.3	0.22	1.09	21.0	6	98.7	0.36	0.36	0.00	1.66	7.8	12.9	1.59	0.09
7.55	19.3	0.18	0.93	22.6	6	98.7	0.37	0.37	0.00	1.64	7.4	12.1	1.52	0.09
7.71	19.8	0.17	0.86	31.6	6	98.7	0.38	0.38	0.00	1.62	7.6	12.3	1.55	0.09
7.87	23.5	0.22	0.94	35.4	6	98.7	0.39	0.39	0.00	1.60	9.0	14.5	1.85	0.09
8.04	23.4	0.25	1.07	30.7	6	98.7	0.40	0.40	0.00	1.59	9.0	14.2	1.84	0.09
8.20	23.7	0.31	1.31	37.2	6	98.7	0.41	0.41	0.00	1.57	9.1	14.2	1.86	0.10
8.37	23.3	0.29	1.25	32.4	6	98.7	0.41	0.41	0.00	1.56	8.9	13.9	1.83	0.10
8.53	22.9	0.36	1.58	35.3	6	98.7	0.42	0.42	0.00	1.54	8.8	13.5	1.80	0.10
8.69	25.3	0.38	1.50	23.1	6	98.7	0.43	0.43	0.00	1.53	9.7	14.8	1.99	0.10
8.86	23.7	0.66	2.79	23.0	5	85.3	0.44	0.44	0.00	1.51	11.3	17.2	1.86	0.14
9.02	25.2	0.54	2.15	29.7	6	98.7	0.44	0.44	0.00	1.50	9.6	14.5	1.98	0.12
9.19	28.7	0.50	1.75	11.5	6	98.7	0.45	0.45	0.00	1.49	11.0	16.3	2.26	0.11
9.35	24.0	0.46	1.92	17.7	6	98.7	0.46	0.46	0.00	1.47	9.2	13.5	1.88	0.11
9.51	22.5	0.41	1.82	12.6	6	98.7	0.47	0.47	0.00	1.46	8.6	12.6	1.77	0.11
9.68	22.4	0.39	1.75	18.4	6	98.7	0.48	0.48	0.00	1.45	8.6	12.4	1.75	0.10
9.84	23.4	0.34	1.46	20.9	6	98.7	0.49	0.49	0.00	1.44	9.0	12.9	1.83	0.10
10.01	22.6	0.35	1.55	28.5	6	98.7	0.49	0.49	0.00	1.42	8.7	12.3	1.77	0.10
10.17	22.8	0.34	1.50	30.3	6	98.7	0.50	0.50	0.00	1.41	8.7	12.3	1.78	0.10
10.33	22.7	0.33	1.46	34.3	6	98.7	0.51	0.51	0.00	1.40	8.7	12.2	1.78	0.10
10.50	22.3	0.32	1.44	37.4	6	98.7	0.52	0.52	0.00	1.39	8.5	11.9	1.74	0.10
10.66	23.7	0.30	1.27	43.5	6	98.7	0.53	0.53	0.00	1.38	9.1	12.5	1.85	0.10
10.83	26.2	0.28	1.07	39.9	6	98.7	0.53	0.53	0.00	1.37	10.1	13.8	2.06	0.10
10.99	25.4	0.26	1.03	40.6	6	98.7	0.54	0.54	0.00	1.36	9.7	13.2	1.99	0.09
11.15	24.5	0.21	0.86	39.2	7	98.7	0.55	0.55	0.00	1.35	7.8	10.6	UnDef	0.09
11.32	25.8	0.16	0.62	30.7	7	98.7	0.56	0.56	0.00	1.34	8.2	11.0	UnDef	0.09
11.48	31.8	0.12	0.38	4.0	7	98.7	0.57	0.57	0.00	1.33	10.2	13.5	UnDef	0.09
11.65	36.2	0.16	0.44	0.4	7	98.7	0.57	0.57	0.00	1.32	11.6	15.3	UnDef	0.09
81	35.6	0.22	0.62	0.3	7	98.7	0.58	0.58	0.00	1.31	11.4	14.9	UnDef	0.10
.97	33.7	0.24	0.71	0.6	7	98.7	0.59	0.59	0.00	1.30	10.8	14.0	UnDef	0.10
12.14	40.6	0.22	0.54	0.5	7	98.7	0.60	0.60	0.00	1.29	13.0	16.8	UnDef	0.10
12.30	46.0	0.12	0.26	0.3	8	101.8	0.61	0.61	0.00	1.28	11.0	14.1	UnDef	0.10
12.47	44.1	0.09	0.20	0.5	8	101.8	0.62	0.62	0.00	1.28	10.6	13.5	UnDef	0.10
12.63	42.6	0.13	0.31	0.4	8	101.8	0.62	0.62	0.00	1.27	10.2	12.9	UnDef	0.09
12.80	45.8	0.25	0.55	0.3	8	101.8	0.63	0.63	0.00	1.26	11.0	13.8	UnDef	0.11
12.96	51.6	0.38	0.74	0.3	7	98.7	0.64	0.64	0.00	1.25	16.5	20.6	UnDef	0.12
13.12	68.1	0.34	0.50	0.5	8	101.8	0.65	0.65	0.00	1.24	16.3	20.3	UnDef	0.14
13.29	83.4	0.34	0.41	0.4	8	101.8	0.66	0.66	0.00	1.23	20.0	24.7	UnDef	0.18
13.45	72.1	0.38	0.53	0.5	8	101.8	0.66	0.66	0.00	1.23	17.3	21.2	UnDef	0.15
13.62	57.6	0.34	0.59	0.4	8	101.8	0.67	0.67	0.00	1.22	13.8	16.8	UnDef	0.12
13.78	47.8	0.51	1.07	0.5	7	98.7	0.68	0.68	0.00	1.21	15.3	18.5	UnDef	0.12
13.94	43.8	0.75	1.72	0.2	7	98.7	0.69	0.69	0.00	1.20	14.0	16.8	UnDef	0.14
14.11	39.2	0.89	2.28	1.1	6	98.7	0.70	0.70	0.00	1.20	15.0	18.0	3.08	0.16
14.27	36.2	0.70	1.94	4.0	6	98.7	0.71	0.71	0.00	1.19	13.9	16.5	2.84	0.13
14.44	34.9	0.59	1.70	9.3	6	98.7	0.71	0.71	0.00	1.18	13.4	15.8	2.73	0.12
14.60	40.9	0.53	1.30	6.1	7	98.7	0.72	0.72	0.00	1.18	13.1	15.4	UnDef	0.12
14.76	48.2	0.46	0.96	2.5	7	98.7	0.73	0.73	0.00	1.17	15.4	18.0	UnDef	0.12
14.93	62.2	0.33	0.53	-0.4	8	101.8	0.74	0.74	0.00	1.16	14.9	17.3	UnDef	0.12
15.09	69.6	0.29	0.42	0.0	8	101.8	0.75	0.75	0.00	1.16	16.7	19.3	UnDef	0.13
15.26	74.0	0.26	0.35	0.2	8	101.8	0.76	0.76	0.00	1.15	17.7	20.4	UnDef	0.13
15.42	77.7	0.40	0.52	0.4	8	101.8	0.76	0.76	0.00	1.14	18.6	21.3	UnDef	0.15
15.58	74.0	0.41	0.56	0.2	8	101.8	0.77	0.77	0.00	1.14	17.7	20.2	UnDef	0.15
15.75	68.9	0.45	0.66	0.0	8	101.8	0.78	0.78	0.00	1.13	16.5	18.7	UnDef	0.14
15.91	64.5	0.47	0.73	0.3	8	101.8	0.79	0.79	0.00	1.13	15.4	17.4	UnDef	0.13
16.08	65.0	0.68	1.05	0.1	8	101.8	0.80	0.80	0.00	1.12	15.6	17.4	UnDef	0.15
16.24	68.3	0.49	0.72	0.1	8	101.8	0.81	0.81	0.00	1.11	16.3	18.2	UnDef	0.14
16.40	75.3	0.49	0.65	0.4	8	101.8	0.81	0.81	0.00	1.11	18.0	20.0	UnDef	0.15
16.57	83.4	0.37	0.44	0.4	8	101.8	0.82	0.82	0.00	1.10	20.0	22.0	UnDef	0.15
16.73	80.9	0.49	0.61	0.3	8	101.8	0.83	0.83	0.00	1.10	19.4	21.3	UnDef	0.16
90	79.3	0.62	0.78	0.4	8	101.8	0.84	0.84	0.00	1.09	19.0	20.7	UnDef	0.16
06	68.1	0.83	1.22	0.2	7	98.7	0.85	0.85	0.00	1.09	21.7	23.6	UnDef	0.16
17.22	62.7	0.93	1.49	0.2	7	98.7	0.85	0.85	0.00	1.08	20.0	21.6	UnDef	0.16
17.39	66.2	0.90	1.36	0.0	7	98.7	0.86	0.86	0.00	1.08	21.1	22.7	UnDef	0.17

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3913
CPT File: 315CP03.COR

[illegible]th [illegible]t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	64.1	0.69	1.08	0.4	7	98.7	0.87	0.87	0.00	1.07	20.5	21.9	UnDef	0.15
17.72	65.1	0.25	0.38	0.4	8	101.8	0.88	0.88	0.00	1.07	15.6	16.6	UnDef	0.11
17.88	68.8	0.41	0.60	0.3	8	101.8	0.89	0.89	0.00	1.06	16.5	17.5	UnDef	0.13
18.04	64.5	0.43	0.67	0.4	8	101.8	0.90	0.90	0.00	1.06	15.4	16.3	UnDef	0.13
18.21	60.8	0.44	0.73	0.2	8	101.8	0.90	0.90	0.00	1.05	14.6	15.3	UnDef	0.12
18.37	63.6	0.24	0.38	0.1	8	101.8	0.91	0.91	0.00	1.05	15.2	15.9	UnDef	0.11
18.54	55.5	0.40	0.72	-0.2	8	101.8	0.92	0.92	0.00	1.04	13.3	13.9	UnDef	0.12
18.70	54.0	0.40	0.74	0.0	8	101.8	0.93	0.93	0.00	1.04	12.9	13.4	UnDef	0.11
18.86	53.0	0.28	0.53	-0.3	8	101.8	0.94	0.94	0.00	1.03	12.7	13.1	UnDef	0.11
19.03	48.0	0.31	0.65	-0.2	7	98.7	0.95	0.95	0.00	1.03	15.3	15.7	UnDef	0.11
19.19	44.7	0.41	0.92	0.1	7	98.7	0.95	0.95	0.00	1.02	14.3	14.6	UnDef	0.11
19.36	38.8	0.61	1.57	0.1	7	98.7	0.96	0.96	0.00	1.02	12.4	12.6	UnDef	0.13
19.52	33.9	0.59	1.75	1.2	6	98.7	0.97	0.97	0.00	1.02	13.0	13.2	2.63	0.14
19.68	35.7	0.48	1.35	5.5	7	98.7	0.98	0.98	0.00	1.01	11.4	11.5	UnDef	0.12
19.85	38.0	0.53	1.40	6.4	7	98.7	0.99	0.99	0.00	1.01	12.1	12.2	UnDef	0.12
20.01	36.4	0.57	1.57	4.5	7	98.7	0.99	0.99	0.00	1.00	11.6	11.6	UnDef	0.13
20.18	34.6	0.58	1.68	9.7	6	98.7	1.00	1.00	0.00	1.00	13.3	13.2	2.69	0.14
20.34	31.1	0.53	1.71	16.9	6	98.7	1.01	1.01	0.00	0.99	11.9	11.8	2.40	0.15
20.51	30.6	0.43	1.41	21.7	6	98.7	1.02	1.02	0.00	0.99	11.7	11.6	2.36	0.12
20.67	29.4	0.35	1.19	26.2	7	98.7	1.03	1.03	0.00	0.99	9.4	9.3	UnDef	0.11
20.83	30.2	0.34	1.13	29.9	7	98.7	1.04	1.04	0.00	0.98	9.7	9.5	UnDef	0.11
21.00	29.2	0.65	2.24	32.3	6	98.7	1.04	1.04	0.00	0.98	11.2	10.9	2.25	0.29
21.16	32.9	0.55	1.67	34.3	6	98.7	1.05	1.05	0.00	0.98	12.6	12.3	2.55	0.14
21.33	31.1	0.50	1.61	19.6	6	98.7	1.06	1.06	0.00	0.97	11.9	11.6	2.41	0.14
21.49	28.4	0.44	1.55	23.1	6	98.7	1.07	1.07	0.00	0.97	10.9	10.5	2.19	0.14
21.65	31.3	0.41	1.31	25.0	6	98.7	1.08	1.08	0.00	0.96	12.0	11.6	2.42	0.12
21.82	30.2	0.38	1.26	18.3	6	98.7	1.08	1.08	0.00	0.96	11.6	11.1	2.33	0.12
21.98	33.1	0.61	1.85	23.3	6	98.7	1.09	1.09	0.00	0.96	12.7	12.1	2.56	0.17
[illegible].15	36.6	0.61	1.67	24.7	6	98.7	1.10	1.10	0.00	0.95	14.0	13.4	2.84	0.15
[illegible]31	42.8	0.67	1.57	-0.2	7	98.7	1.11	1.11	0.00	0.95	13.7	13.0	UnDef	0.14
[illegible].47	37.0	0.62	1.68	5.5	6	98.7	1.12	1.12	0.00	0.95	14.2	13.4	2.87	0.15
22.64	34.2	0.63	1.85	10.3	6	98.7	1.12	1.12	0.00	0.94	13.1	12.4	2.65	0.18
22.80	39.0	0.66	1.70	11.1	7	98.7	1.13	1.13	0.00	0.94	12.4	11.7	UnDef	0.15
22.97	40.6	0.58	1.43	8.0	7	98.7	1.14	1.14	0.00	0.94	13.0	12.1	UnDef	0.13
23.13	41.4	0.49	1.19	6.4	7	98.7	1.15	1.15	0.00	0.93	13.2	12.3	UnDef	0.12
23.29	49.9	0.45	0.90	2.5	7	98.7	1.16	1.16	0.00	0.93	15.9	14.8	UnDef	0.11
23.46	55.4	0.49	0.89	1.2	7	98.7	1.16	1.16	0.00	0.93	17.7	16.4	UnDef	0.12
23.62	59.3	0.60	1.01	1.1	7	98.7	1.17	1.17	0.00	0.92	18.9	17.5	UnDef	0.13
23.79	62.6	0.98	1.57	0.4	7	98.7	1.18	1.18	0.00	0.92	20.0	18.4	UnDef	0.17
23.95	53.6	0.96	1.80	0.9	7	98.7	1.19	1.19	0.00	0.92	17.1	15.7	UnDef	0.17
24.11	49.7	0.79	1.59	2.1	7	98.7	1.20	1.20	0.00	0.91	15.9	14.5	UnDef	0.15
24.28	66.0	0.43	0.65	-0.4	8	101.8	1.21	1.21	0.00	0.91	15.8	14.4	UnDef	0.12
24.44	68.1	0.31	0.46	-0.3	8	101.8	1.21	1.21	0.00	0.91	16.3	14.8	UnDef	0.10
24.61	65.0	0.70	1.08	-0.1	7	98.7	1.22	1.22	0.00	0.90	20.8	18.8	UnDef	0.14
24.77	58.8	1.01	1.72	0.3	7	98.7	1.23	1.23	0.00	0.90	18.8	16.9	UnDef	0.18
24.93	51.2	1.16	2.27	0.1	6	98.7	1.24	1.24	0.00	0.90	19.6	17.6	3.99	0.24
25.10	45.6	1.07	2.35	-0.1	6	98.7	1.25	1.25	0.00	0.90	17.5	15.7	3.55	0.27
25.26	47.1	0.94	2.00	-0.1	6	98.7	1.25	1.25	0.00	0.89	18.1	16.1	3.67	0.20
25.43	54.7	0.69	1.26	-0.5	7	98.7	1.26	1.26	0.00	0.89	17.5	15.6	UnDef	0.14
25.59	84.6	0.75	0.89	-0.5	8	101.8	1.27	1.27	0.00	0.89	20.3	18.0	UnDef	0.16
25.75	104.1	0.75	0.72	0.7	8	101.8	1.28	1.28	0.00	0.88	24.9	22.0	UnDef	0.19
25.92	148.1	1.16	0.79	-0.3	9	101.8	1.29	1.29	0.00	0.88	28.4	25.0	UnDef	0.33
26.08	188.0	1.33	0.71	-0.3	9	101.8	1.30	1.30	0.00	0.88	36.0	31.6	UnDef	0.00
26.25	177.9	1.50	0.85	-0.3	9	101.8	1.30	1.30	0.00	0.88	34.1	29.8	UnDef	0.00
26.41	150.1	1.63	1.09	-0.4	8	101.8	1.31	1.31	0.00	0.87	35.9	31.4	UnDef	0.39
26.57	164.7	1.67	1.02	0.1	9	101.8	1.32	1.32	0.00	0.87	31.5	27.5	UnDef	0.45
26.74	167.6	1.82	1.09	-0.1	9	101.8	1.33	1.33	0.00	0.87	32.1	27.9	UnDef	0.00
26.90	165.3	1.85	1.12	-0.4	8	101.8	1.34	1.34	0.00	0.86	39.6	34.2	UnDef	0.00
27.07	174.9	1.72	0.99	-0.3	9	101.8	1.35	1.35	0.00	0.86	33.5	28.9	UnDef	0.00
27.23	195.9	1.87	0.96	-0.4	9	101.8	1.35	1.35	0.00	0.86	37.5	32.3	UnDef	0.00
[illegible]39	196.6	1.99	1.01	-0.5	9	101.8	1.36	1.36	0.00	0.86	37.7	32.3	UnDef	0.00
[illegible]56	204.0	2.14	1.05	-0.4	9	101.8	1.37	1.37	0.00	0.85	39.1	33.4	UnDef	0.00
[illegible].72	217.7	2.16	0.99	-0.6	9	101.8	1.38	1.38	0.00	0.85	41.7	35.5	UnDef	0.00
27.89	221.3	2.04	0.92	-0.6	9	101.8	1.39	1.39	0.00	0.85	42.4	36.0	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3913
CPT File: 315CP03.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	243.2	2.13	0.87	-0.6	9	101.8	1.40	1.40	0.00	0.85	46.6	39.4	UnDef	0.00
28.21	304.9	2.48	0.81	-0.8	9	101.8	1.40	1.40	0.00	0.84	58.4	49.3	UnDef	0.00
28.38	398.1	3.16	0.79	-0.9	9	101.8	1.41	1.41	0.00	0.84	76.3	64.2	UnDef	0.00
28.54	458.6	3.18	0.69	-1.3	10	127.3	1.42	1.42	0.00	0.84	73.2	61.4	UnDef	0.00
28.71	498.8	0.02	0.00	-1.8	10	127.3	1.43	1.43	0.00	0.84	79.6	66.5	UnDef	0.00
28.87	497.6	0.02	0.00	-1.8	10	127.3	1.44	1.44	0.00	0.83	79.4	66.1	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3913
'ob No: 99-315
ent: Stone & Webster Engineering
oject: Private Fuel Storage Faclity
Site: CPT-3
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 11:39
CPT File: 315CP03.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-05	0.00	1000.0	0.14	10	28.3	0.0	28.3	0.0	50	80.8	10.0	-0.22	0.0	11.3
0.33	5.0E-04	0.00	1000.0	0.08	10	48.7	0.0	48.7	0.0	50	86.5	1.0	-0.17	0.0	16.2
0.49	5.0E-03	0.00	1000.0	0.05	10	84.7	0.0	84.7	0.0	50	95.0	1.0	-0.12	0.0	21.2
0.66	5.0E-03	0.00	1000.0	0.17	10	114.0	0.0	114.0	0.0	50	95.0	1.0	-0.24	0.0	28.5
0.82	5.0E-03	0.00	1000.0	0.73	10	119.2	0.0	119.2	0.0	50	95.0	1.0	-0.37	0.0	29.8
0.98	5.0E-04	0.00	1000.0	1.21	9	98.6	0.0	98.6	1.3	50	90.7	1.0	-0.43	0.0	32.9
1.15	5.0E-04	0.00	776.4	1.55	12	85.5	UnDef	UnDef	0.0	50	84.5	1.0	-0.44	UnDef	UnDef
1.31	5.0E-04	0.00	673.6	0.82	10	84.7	0.0	84.7	0.4	50	82.3	1.0	-0.35	0.0	28.2
48	5.0E-04	0.00	559.6	0.54	10	79.0	0.0	79.0	0.0	50	78.7	1.0	-0.29	0.0	26.3
.64	5.0E-04	0.00	429.7	0.40	10	67.4	0.0	67.4	0.0	48	72.6	1.0	-0.24	0.0	22.5
1.80	5.0E-04	0.00	330.5	0.30	10	57.0	0.0	57.0	0.0	48	66.5	1.0	-0.19	0.0	19.0
1.97	5.0E-04	0.00	282.2	0.07	10	53.1	0.0	53.1	0.0	46	63.2	1.0	-0.06	0.0	17.7
2.13	5.0E-04	0.00	273.3	0.28	10	55.7	0.0	55.7	0.0	46	63.4	1.0	-0.17	0.0	18.6
2.30	5.0E-04	0.00	271.7	1.16	9	59.6	0.4	60.0	5.2	46	64.3	1.0	-0.30	0.1	19.9
2.46	5.0E-05	0.00	240.1	1.91	9	56.4	7.4	63.8	9.3	46	61.7	10.0	-0.35	1.8	24.3
2.62	5.0E-05	0.00	239.2	1.67	9	59.9	5.8	65.8	8.3	46	62.6	10.0	-0.33	1.4	25.4
2.79	5.0E-05	0.01	200.4	1.52	9	53.4	5.8	59.1	8.6	46	58.4	10.0	-0.30	1.4	22.7
2.95	5.0E-05	0.01	167.6	1.06	9	47.3	3.1	50.4	7.3	44	54.1	10.0	-0.24	0.8	19.7
3.12	5.0E-05	0.01	136.5	0.81	9	40.7	2.3	43.0	7.0	44	49.0	10.0	-0.20	0.6	16.9
3.28	5.0E-05	0.02	123.4	0.55	9	38.8	0.8	39.5	5.7	42	46.9	10.0	-0.15	0.2	15.7
3.44	5.0E-04	0.01	104.7	0.22	9	34.6	0.0	34.6	3.7	42	42.9	1.0	-0.06	0.0	11.5
3.61	5.0E-04	0.00	108.0	0.10	9	37.3	0.0	37.3	2.2	42	44.5	1.0	0.00	0.0	12.4
3.77	5.0E-04	0.00	117.3	0.09	9	42.3	0.0	42.3	1.7	42	47.4	1.0	0.00	0.0	14.1
3.94	5.0E-04	0.00	96.6	0.11	9	36.5	0.0	36.5	2.9	42	42.5	1.0	0.00	0.0	12.2
4.10	5.0E-04	0.00	97.1	0.30	9	38.2	0.0	38.2	5.0	42	43.3	1.0	-0.08	0.0	12.7
4.27	5.0E-04	0.00	101.0	0.47	9	41.3	0.0	41.3	5.0	42	44.9	1.0	-0.12	0.0	13.8
4.43	5.0E-04	0.00	99.2	0.37	9	42.1	0.0	42.1	5.0	42	45.0	1.0	-0.10	0.0	14.0
4.59	5.0E-04	0.00	87.5	0.35	9	38.5	0.0	38.5	5.0	42	41.9	1.0	-0.09	0.0	12.8
4.76	5.0E-04	0.00	81.8	0.26	9	37.3	0.0	37.3	5.0	42	40.5	1.0	-0.06	0.0	12.4
4.92	5.0E-04	0.00	74.8	0.28	9	35.4	0.0	35.4	5.0	40	38.5	1.0	-0.05	0.0	11.8
5.09	5.0E-04	0.00	73.9	0.22	9	36.1	0.0	36.1	5.0	40	38.6	1.0	-0.03	0.0	12.0
5.25	5.0E-04	0.00	72.8	0.27	9	36.7	0.0	36.7	5.0	40	38.6	1.0	-0.05	0.0	12.0
5.41	5.0E-04	0.00	73.7	0.30	9	37.8	0.0	37.8	5.0	40	39.4	1.0	-0.06	0.0	12.3
5.58	5.0E-05	0.00	63.4	1.09	7	33.1	12.8	45.9	15.5	40	35.6	10.0	-0.15	2.7	15.7
5.74	5.0E-05	0.00	53.0	0.93	7	28.1	12.0	40.2	16.2	40	30.9	10.0	-0.12	2.5	13.6
5.91	5.0E-05	0.00	49.3	0.35	9	26.6	0.0	26.6	5.0	38	30.0	6.0	-0.04	0.0	10.4
6.07	5.0E-05	0.00	45.2	0.15	9	24.8	0.0	24.8	5.0	38	30.0	6.0	0.04	0.0	9.7
6.23	5.0E-05	0.00	44.2	0.22	9	24.5	0.0	24.5	5.0	38	30.0	6.0	0.01	0.0	9.6
6.40	5.0E-05	0.00	49.1	0.39	9	27.6	0.0	27.6	5.0	38	30.3	6.0	-0.04	0.0	10.8
56	5.0E-05	0.00	50.4	0.80	7	28.6	11.3	40.0	15.6	38	31.4	10.0	-0.10	2.4	13.6
73	5.0E-05	0.00	53.2	1.30	7	30.6	18.0	48.6	18.9	40	33.3	10.0	-0.15	3.6	15.6
.89	5.0E-05	0.00	61.1	1.16	7	35.5	15.4	50.8	16.3	40	37.6	10.0	-0.15	3.2	17.1

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th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	58.7	1.42	7	34.5	19.5	54.0	18.5	40	36.8	10.0	-0.17	3.9	17.4
7.22	5.0E-05	0.02	59.9	1.31	7	35.6	18.1	53.7	17.6	40	37.7	10.0	-0.16	3.7	17.7
7.38	5.0E-05	0.03	54.6	1.11	7	32.9	15.9	48.7	17.2	40	35.4	10.0	-0.14	3.3	16.2
7.55	5.0E-05	0.04	50.8	0.95	7	31.0	14.3	45.2	16.8	38	33.7	10.0	-0.12	3.0	15.1
7.71	5.0E-05	0.05	50.8	0.88	7	31.3	13.4	44.7	16.2	38	34.0	10.0	-0.11	2.8	15.1
7.87	5.0E-05	0.05	59.5	0.95	9	36.9	13.7	50.6	15.1	40	38.7	10.0	-0.13	2.9	17.4
8.04	5.0E-05	0.04	57.9	1.09	7	36.3	16.0	52.3	16.4	40	38.3	10.0	-0.14	3.4	17.6
8.20	5.0E-05	0.05	57.4	1.34	7	36.4	19.9	56.3	18.2	40	38.3	10.0	-0.16	4.0	18.3
8.37	5.0E-05	0.04	55.4	1.27	7	35.5	19.3	54.8	18.2	40	37.6	10.0	-0.15	3.9	17.8
8.53	5.0E-05	0.05	53.3	1.60	7	34.5	25.1	59.6	20.8	40	36.8	10.0	-0.17	4.8	18.4
8.69	5.0E-05	0.03	58.0	1.53	7	37.8	23.5	61.3	19.3	40	39.4	10.0	-0.17	4.7	19.5
8.86	5.0E-06	0.03	53.2	2.85	7	35.1	50.7	85.7	27.1	UnDef	UnDef	10.0	UnDef	10.1	27.2
9.02	5.0E-05	0.04	55.6	2.19	7	36.9	36.0	73.0	23.5	40	38.7	10.0	-0.21	6.5	20.9
9.19	5.0E-05	0.01	62.3	1.78	7	41.7	27.7	69.4	20.0	40	42.2	10.0	-0.20	5.4	21.8
9.35	5.0E-05	0.02	51.0	1.96	7	34.6	33.2	67.8	23.4	38	36.8	10.0	-0.19	6.0	19.5
9.51	5.0E-05	0.02	47.1	1.86	7	32.2	32.6	64.8	23.8	38	34.8	6.0	-0.17	5.8	18.4
9.68	5.0E-05	0.03	45.9	1.78	7	31.7	31.6	63.3	23.7	38	34.4	6.0	-0.16	5.6	18.0
9.84	5.0E-05	0.03	47.3	1.49	7	32.9	25.9	58.8	21.5	38	35.4	6.0	-0.15	4.9	17.8
10.01	5.0E-05	0.04	44.8	1.59	7	31.5	28.5	60.0	22.8	38	34.2	6.0	-0.15	5.2	17.6
10.17	5.0E-05	0.04	44.4	1.53	7	31.4	27.8	59.3	22.6	38	34.1	6.0	-0.14	5.1	17.4
10.33	5.0E-05	0.05	43.6	1.49	7	31.1	27.4	58.6	22.5	38	33.8	6.0	-0.14	5.0	17.2
10.50	5.0E-05	0.05	42.0	1.47	7	30.3	27.7	58.0	22.9	38	33.1	6.0	-0.13	5.1	16.9
10.66	5.0E-05	0.06	44.0	1.30	7	31.9	24.2	56.1	21.1	38	34.5	6.0	-0.13	4.6	17.1
10.83	5.0E-05	0.05	48.2	1.09	7	35.2	19.8	55.0	18.5	38	37.3	6.0	-0.12	4.0	17.8
10.99	5.0E-05	0.05	45.8	1.05	7	33.7	19.7	53.4	18.8	38	36.1	6.0	-0.11	4.0	17.1
11.15	5.0E-04	0.05	43.6	0.88	7	32.4	17.2	49.5	18.0	38	34.9	1.0	-0.09	2.9	13.5
11.32	5.0E-04	0.04	45.2	0.64	9	33.7	12.9	46.6	15.3	38	36.1	1.0	-0.07	2.3	13.3
11.48	5.0E-04	0.00	55.2	0.38	9	41.4	0.0	41.4	5.0	40	42.0	1.0	-0.05	0.0	13.5
11.65	5.0E-04	0.00	62.1	0.45	9	46.8	0.0	46.8	5.0	40	45.5	1.0	-0.08	0.0	15.3
81	5.0E-04	0.00	60.2	0.63	9	45.7	11.0	56.7	12.2	40	44.8	1.0	-0.10	2.1	17.0
.97	5.0E-04	0.00	56.1	0.73	9	43.0	13.3	56.2	13.8	40	43.1	1.0	-0.11	2.4	16.4
12.14	5.0E-04	0.00	66.9	0.55	9	51.4	8.9	60.3	10.5	40	48.2	1.0	-0.10	1.7	18.5
12.30	5.0E-03	0.00	74.8	0.27	9	57.8	0.0	57.8	5.0	40	51.6	1.0	-0.05	0.0	14.1
12.47	5.0E-03	0.00	70.8	0.21	9	55.1	0.0	55.1	5.0	40	50.2	1.0	-0.03	0.0	13.5
12.63	5.0E-03	0.00	67.4	0.31	9	52.8	0.0	52.8	5.0	40	49.0	1.0	-0.05	0.0	12.9
12.80	5.0E-03	0.00	71.5	0.55	9	56.4	8.6	65.0	10.0	40	50.9	1.0	-0.11	1.2	15.0
12.96	5.0E-04	0.00	79.6	0.75	9	63.1	11.3	74.4	10.7	42	54.1	1.0	-0.14	2.2	22.7
13.12	5.0E-03	0.00	104.0	0.51	9	82.8	3.5	86.3	6.5	42	61.9	1.0	-0.13	0.5	20.8
13.29	5.0E-03	0.00	126.1	0.41	9	100.8	0.0	100.8	4.4	44	67.5	1.0	-0.13	0.0	24.7
13.45	5.0E-03	0.00	107.4	0.53	9	86.5	3.7	90.2	6.6	42	63.1	1.0	-0.14	0.6	21.7
13.62	5.0E-03	0.00	84.5	0.60	9	68.6	8.1	76.7	8.9	42	56.5	1.0	-0.13	1.2	18.0
13.78	5.0E-04	0.00	69.1	1.09	9	56.6	19.4	76.1	14.6	40	51.0	1.0	-0.16	3.5	22.0
13.94	5.0E-04	0.00	62.4	1.75	7	51.6	33.6	85.1	19.8	40	48.3	1.0	-0.20	5.5	22.3
14.11	5.0E-05	0.00	55.1	2.32	7	45.9	48.5	94.4	24.2	40	44.9	10.0	-0.22	8.5	26.5
14.27	5.0E-05	0.00	50.3	1.97	7	42.2	41.6	83.9	23.6	38	42.6	10.0	-0.19	7.4	24.0
14.44	5.0E-05	0.01	47.8	1.73	7	40.4	36.8	77.2	22.9	38	41.3	6.0	-0.17	6.7	22.5
14.60	5.0E-04	0.00	55.7	1.32	7	47.1	26.5	73.6	18.5	40	45.7	1.0	-0.16	4.5	19.8
14.76	5.0E-04	0.00	65.1	0.97	9	55.2	18.3	73.6	14.3	40	50.3	1.0	-0.14	3.3	21.4
14.93	5.0E-03	0.00	83.3	0.54	9	70.9	7.3	78.2	8.5	42	57.4	1.0	-0.12	1.1	18.4
15.09	5.0E-03	0.00	92.2	0.42	9	78.8	0.0	78.8	5.0	42	60.4	1.0	-0.11	0.0	19.3
15.26	5.0E-03	0.00	97.1	0.36	9	83.4	0.0	83.4	5.0	42	62.1	1.0	-0.10	0.0	20.4
15.42	5.0E-03	0.00	100.8	0.52	9	87.0	4.6	91.7	6.9	42	63.3	1.0	-0.13	0.7	22.0
15.58	5.0E-03	0.00	94.9	0.56	9	82.4	6.4	88.8	7.7	42	61.7	1.0	-0.13	1.0	21.1
15.75	5.0E-03	0.00	87.3	0.66	9	76.3	9.7	86.0	9.2	42	59.5	1.0	-0.14	1.4	20.1
15.91	5.0E-03	0.00	80.8	0.74	9	71.0	12.3	83.3	10.5	42	57.5	1.0	-0.14	1.8	19.1
16.08	5.0E-03	0.00	80.6	1.06	9	71.3	19.1	90.4	12.9	42	57.6	1.0	-0.17	2.7	20.1
16.24	5.0E-03	0.00	83.8	0.73	9	74.5	11.7	86.2	10.1	42	58.8	1.0	-0.14	1.7	19.9
16.40	5.0E-03	0.00	91.6	0.66	9	81.7	9.2	91.0	8.8	42	61.5	1.0	-0.14	1.4	21.4
16.57	5.0E-03	0.00	100.4	0.45	9	90.0	0.0	90.0	5.0	42	64.3	1.0	-0.12	0.0	22.0
16.73	5.0E-03	0.00	96.4	0.61	9	86.9	7.6	94.5	8.0	42	63.2	1.0	-0.14	1.1	22.4
90	5.0E-03	0.00	93.5	0.79	9	84.7	12.1	96.9	9.7	42	62.5	1.0	-0.16	1.8	22.5
06	5.0E-04	0.00	79.4	1.24	9	72.4	23.7	96.1	14.2	42	58.0	1.0	-0.19	4.3	27.9
.22	5.0E-04	0.00	72.3	1.51	7	66.3	30.6	97.0	16.8	40	55.5	1.0	-0.20	5.3	27.0
17.39	5.0E-04	0.00	75.7	1.38	7	69.7	27.5	97.3	15.6	40	56.9	1.0	-0.19	4.9	27.6

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th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	72.6	1.09	9	67.2	21.7	88.9	14.2	40	55.9	1.0	-0.17	4.0	25.9
17.72	5.0E-03	0.00	73.0	0.39	9	67.9	0.0	67.9	5.0	40	56.2	1.0	-0.08	0.0	16.6
17.88	5.0E-03	0.00	76.5	0.61	9	71.5	10.6	82.0	9.8	40	57.6	1.0	-0.12	1.5	19.0
18.04	5.0E-03	0.00	70.9	0.68	9	66.6	13.1	79.7	11.1	40	55.6	1.0	-0.12	1.9	18.2
18.21	5.0E-03	0.00	66.3	0.74	9	62.6	15.1	77.7	12.3	40	53.8	1.0	-0.12	2.1	17.4
18.37	5.0E-03	0.00	68.6	0.38	9	65.1	0.0	65.1	5.0	40	55.0	1.0	-0.07	0.0	15.9
18.54	5.0E-03	0.00	59.3	0.73	9	56.6	16.3	72.9	13.4	40	51.0	1.0	-0.11	2.2	16.1
18.70	5.0E-03	0.00	57.1	0.75	9	54.9	17.1	72.0	13.9	40	50.1	1.0	-0.11	2.3	15.8
18.86	5.0E-03	0.00	55.5	0.54	9	53.6	12.7	66.2	12.2	40	49.4	1.0	-0.08	1.8	14.9
19.03	5.0E-04	0.00	49.7	0.66	9	48.3	16.4	64.7	14.5	38	46.4	1.0	-0.09	3.0	18.7
19.19	5.0E-04	0.00	45.9	0.94	7	44.8	23.5	68.3	17.9	38	44.3	1.0	-0.11	4.0	18.6
19.36	5.0E-04	0.00	39.4	1.61	7	38.8	42.9	81.7	24.7	38	40.1	1.0	-0.14	6.2	18.8
19.52	5.0E-05	0.00	33.9	1.80	7	33.6	53.1	86.8	27.9	36	36.1	6.0	-0.14	8.2	21.3
19.68	5.0E-04	0.00	35.5	1.38	7	35.4	38.6	73.9	24.5	38	37.5	1.0	-0.12	5.6	17.1
19.85	5.0E-04	0.01	37.6	1.43	7	37.5	39.1	76.6	24.1	38	39.1	1.0	-0.12	5.7	18.0
20.01	5.0E-04	0.00	35.6	1.62	7	35.7	46.0	81.7	26.1	38	37.7	1.0	-0.13	6.3	18.0
20.18	5.0E-05	0.01	33.5	1.73	7	33.8	51.9	85.7	27.7	36	36.2	6.0	-0.13	8.1	21.3
20.34	5.0E-05	0.02	29.7	1.77	7	30.2	58.6	88.9	29.7	36	33.0	6.0	-0.12	8.3	20.2
20.51	5.0E-05	0.02	29.0	1.46	7	29.6	47.2	76.8	28.0	36	32.4	6.0	-0.10	7.2	18.8
20.67	5.0E-04	0.03	27.7	1.23	7	28.4	40.6	69.1	27.0	36	31.2	1.0	-0.08	5.4	14.7
20.83	5.0E-04	0.03	28.2	1.17	7	29.1	37.9	67.0	26.2	36	31.9	1.0	-0.08	5.2	14.7
21.00	5.0E-05	0.04	26.9	2.32	6	27.9	104.2	132.1	34.5	36	30.7	6.0	-0.13	10.6	21.6
21.16	5.0E-05	0.03	30.3	1.73	7	31.4	57.1	88.6	29.2	36	34.1	6.0	-0.12	8.3	20.6
21.33	5.0E-05	0.02	28.4	1.67	7	29.6	57.7	87.3	29.8	36	32.4	6.0	-0.11	8.2	19.8
21.49	5.0E-05	0.03	25.6	1.61	7	26.9	61.3	88.2	31.0	34	30.0	6.0	-0.09	8.1	18.6
21.65	5.0E-05	0.03	28.1	1.36	7	29.5	45.8	75.3	27.8	36	32.3	6.0	-0.09	7.1	18.7
21.82	5.0E-05	0.02	26.9	1.31	7	28.4	45.3	73.8	28.0	36	31.2	6.0	-0.08	6.9	18.1
21.98	5.0E-05	0.02	29.3	1.91	7	31.0	68.9	99.9	30.8	36	33.7	6.0	-0.12	9.2	21.3
[illegible].15	5.0E-05	0.02	32.3	1.72	7	34.1	55.5	89.6	28.2	36	36.5	6.0	-0.12	8.4	21.8
[illegible]31	5.0E-04	0.00	37.6	1.61	7	39.8	47.0	86.8	25.3	38	40.9	1.0	-0.14	6.6	19.6
[illegible].47	5.0E-05	0.00	32.2	1.73	7	34.3	56.4	90.7	28.3	36	36.6	6.0	-0.13	8.5	22.0
22.64	5.0E-05	0.01	29.4	1.91	7	31.6	69.4	101.0	30.7	36	34.2	6.0	-0.13	9.3	21.7
22.80	5.0E-04	0.01	33.4	1.75	7	35.8	56.0	91.9	27.8	36	37.9	1.0	-0.13	7.2	18.9
22.97	5.0E-04	0.01	34.6	1.47	7	37.2	45.1	82.3	25.5	36	38.9	1.0	-0.12	6.3	18.5
23.13	5.0E-04	0.00	35.0	1.22	7	37.8	37.1	74.8	23.5	38	39.4	1.0	-0.10	5.5	17.9
23.29	5.0E-04	0.00	42.2	0.93	7	45.4	26.4	71.9	18.8	38	44.6	1.0	-0.10	4.4	19.2
23.46	5.0E-04	0.00	46.6	0.91	7	50.2	25.0	75.2	17.4	38	47.5	1.0	-0.11	4.3	20.7
23.62	5.0E-04	0.00	49.6	1.03	7	53.6	27.6	81.3	17.7	38	49.4	1.0	-0.12	4.7	22.2
23.79	5.0E-04	0.00	52.0	1.60	7	56.4	42.2	98.6	21.0	38	50.9	1.0	-0.17	6.7	25.1
23.95	5.0E-04	0.00	44.1	1.84	7	48.1	52.4	100.5	24.5	38	46.3	1.0	-0.17	7.6	23.3
24.11	5.0E-04	0.00	40.5	1.63	7	44.5	47.8	92.3	24.4	38	44.0	1.0	-0.15	7.0	21.5
24.28	5.0E-03	0.00	53.8	0.66	9	58.9	17.8	76.7	13.7	40	52.1	1.0	-0.09	2.5	16.9
24.44	5.0E-03	0.00	55.1	0.46	9	60.5	0.0	60.5	5.0	40	52.9	1.0	-0.07	0.0	14.8
24.61	5.0E-04	0.00	52.2	1.10	7	57.6	29.3	86.9	17.6	38	51.5	1.0	-0.13	5.0	23.8
24.77	5.0E-04	0.00	46.8	1.76	7	51.9	49.5	101.4	23.3	38	48.5	1.0	-0.17	7.4	24.4
24.93	5.0E-05	0.00	40.3	2.33	7	45.0	75.2	120.2	28.4	38	44.4	6.0	-0.18	11.3	28.9
25.10	5.0E-05	0.00	35.6	2.42	6	40.0	87.4	127.4	30.7	38	41.0	6.0	-0.17	11.8	27.4
25.26	5.0E-05	0.00	36.6	2.05	7	41.2	68.1	109.3	28.3	38	41.9	6.0	-0.16	10.3	26.4
25.43	5.0E-04	0.00	42.4	1.29	7	47.7	37.8	85.5	21.6	38	46.0	1.0	-0.13	5.9	21.5
25.59	5.0E-03	0.00	65.6	0.90	9	73.5	22.3	95.8	13.7	40	58.4	1.0	-0.14	3.1	21.0
25.75	5.0E-03	0.00	80.4	0.73	9	90.1	15.4	105.5	10.5	42	64.3	1.0	-0.14	2.2	24.3
25.92	5.0E-02	0.00	114.1	0.79	9	127.7	11.8	139.5	8.2	42	74.3	1.0	-0.18	1.4	26.4
26.08	5.0E-02	0.00	144.1	0.71	9	161.6	4.5	166.2	6.0	44	81.0	1.0	-0.19	0.5	32.2
26.25	5.0E-02	0.00	135.5	0.85	9	152.5	10.4	162.8	7.4	44	79.4	1.0	-0.20	1.2	31.1
26.41	5.0E-03	0.00	113.4	1.10	9	128.3	21.1	149.3	10.3	42	74.4	1.0	-0.21	3.0	34.4
26.57	5.0E-02	0.00	123.7	1.02	9	140.3	17.5	157.8	9.2	42	77.0	1.0	-0.21	2.0	29.5
26.74	5.0E-02	0.00	125.1	1.10	9	142.3	19.6	161.9	9.5	44	77.4	1.0	-0.22	2.3	30.1
26.90	5.0E-03	0.00	122.6	1.13	9	139.9	21.0	160.9	9.9	42	76.9	1.0	-0.22	3.0	37.3
27.07	5.0E-02	0.00	129.0	0.99	9	147.6	16.0	163.5	8.7	44	78.4	1.0	-0.21	1.9	30.8
27.23	5.0E-02	0.00	143.7	0.96	9	164.8	12.9	177.7	7.7	44	81.6	1.0	-0.22	1.5	33.8
[illegible]39	5.0E-02	0.00	143.3	1.02	9	164.9	14.9	179.8	8.1	44	81.6	1.0	-0.22	1.8	34.0
[illegible]56	5.0E-02	0.00	147.8	1.05	9	170.5	15.3	185.8	8.1	44	82.6	1.0	-0.23	1.8	35.2
[illegible].72	5.0E-02	0.00	156.9	1.00	9	181.4	12.2	193.6	7.4	44	84.3	1.0	-0.23	1.5	37.0
27.89	5.0E-02	0.00	158.5	0.93	9	183.9	9.7	193.5	6.9	44	84.7	1.0	-0.22	1.2	37.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3913
CPT File: 315CP03.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-02	0.00	173.3	0.88	9	201.5	5.6	207.1	6.0	44	87.4	1.0	-0.23	0.7	40.1
28.21	5.0E-02	0.00	216.2	0.82	9	251.8	0.0	251.8	4.4	46	93.7	1.0	-0.24	0.0	49.3
28.38	5.0E-02	0.00	280.9	0.80	9	327.8	0.0	327.8	3.1	46	95.0	1.0	-0.26	0.0	64.2
28.54	5.0E+00	0.00	321.6	0.70	9	376.4	0.0	376.4	1.9	46	95.0	1.0	-0.26	0.0	61.4
28.71	5.0E+00	0.00	347.3	0.00	10	407.9	0.0	407.9	2.8	48	95.0	1.0	0.09	0.0	66.5
28.87	5.0E+00	0.00	343.9	0.00	10	405.4	0.0	405.4	2.8	48	95.0	1.0	0.09	0.0	66.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
[illegible]n No: 99-0525-1349-3957
[illegible] No: 99-315
[illegible]ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-4
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 13:18
CPT File: 315CP04.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	19.4	0.07	0.36	-0.3	7	98.7	0.01	0.01	0.00	2.00	6.2	12.4	UnDef	0.08
0.33	32.8	0.11	0.34	-0.5	7	98.7	0.02	0.02	0.00	2.00	10.5	20.9	UnDef	0.10
0.49	32.2	0.11	0.34	-0.4	7	98.7	0.02	0.02	0.00	2.00	10.3	20.6	UnDef	0.10
0.66	25.2	0.09	0.36	-0.4	7	98.7	0.03	0.03	0.00	2.00	8.1	16.1	UnDef	0.09
0.82	18.1	0.06	0.33	-0.5	6	98.7	0.04	0.04	0.00	2.00	6.9	13.8	1.44	0.08
0.98	14.2	0.03	0.21	-0.5	6	98.7	0.05	0.05	0.00	2.00	5.5	10.9	1.14	0.00
[illegible].15	13.4	0.02	0.15	-0.4	6	98.7	0.06	0.06	0.00	2.00	5.1	10.2	1.06	0.00
[illegible]31	14.8	0.02	0.14	-0.3	6	98.7	0.06	0.06	0.00	2.00	5.7	11.3	1.18	0.00
[illegible].48	14.8	0.02	0.14	-0.4	6	98.7	0.07	0.07	0.00	2.00	5.7	11.3	1.18	0.00
1.64	13.5	0.02	0.15	-0.4	6	98.7	0.08	0.08	0.00	2.00	5.2	10.3	1.07	0.00
1.80	11.4	0.02	0.18	-0.5	6	98.7	0.09	0.09	0.00	2.00	4.4	8.7	0.90	0.00
1.97	11.3	0.02	0.18	-0.5	6	98.7	0.10	0.10	0.00	2.00	4.3	8.7	0.90	0.00
2.13	12.4	0.06	0.49	-0.4	6	98.7	0.11	0.11	0.00	2.00	4.7	9.5	0.98	0.00
2.30	16.1	0.20	1.25	-0.4	6	98.7	0.11	0.11	0.00	2.00	6.2	12.3	1.28	0.08
2.46	23.7	0.22	0.93	-0.4	6	98.7	0.12	0.12	0.00	2.00	9.1	18.2	1.89	0.09
2.62	27.1	0.23	0.85	-0.1	7	98.7	0.13	0.13	0.00	2.00	8.7	17.3	UnDef	0.09
2.79	26.4	0.32	1.21	-0.1	6	98.7	0.14	0.14	0.00	2.00	10.1	20.3	2.10	0.09
2.95	28.2	0.40	1.42	0.3	6	98.7	0.15	0.15	0.00	2.00	10.8	21.6	2.25	0.10
3.12	25.6	0.48	1.88	0.0	6	98.7	0.15	0.15	0.00	2.00	9.8	19.6	2.04	0.10
3.28	19.2	0.40	2.09	-0.1	6	98.7	0.16	0.16	0.00	2.00	7.3	14.7	1.52	0.09
3.44	16.4	0.35	2.15	0.6	5	85.3	0.17	0.17	0.00	2.00	7.8	15.7	1.29	0.09
3.61	17.2	0.28	1.63	0.3	6	98.7	0.18	0.18	0.00	2.00	6.6	13.2	1.36	0.09
3.77	15.2	0.20	1.32	0.7	6	98.7	0.19	0.19	0.00	2.00	5.8	11.7	1.20	0.09
3.94	11.3	0.14	1.25	1.1	5	85.3	0.19	0.19	0.00	2.00	5.4	10.8	0.88	0.08
4.10	10.9	0.07	0.65	0.5	6	98.7	0.20	0.20	0.00	2.00	4.2	8.3	0.85	0.00
4.27	11.4	0.05	0.44	0.7	6	98.7	0.21	0.21	0.00	2.00	4.4	8.8	0.90	0.00
4.43	11.0	0.04	0.36	1.9	6	98.7	0.22	0.22	0.00	2.00	4.2	8.4	0.86	0.00
4.59	11.1	0.04	0.36	3.9	6	98.7	0.22	0.22	0.00	2.00	4.3	8.5	0.87	0.00
4.76	9.9	0.05	0.50	6.4	6	98.7	0.23	0.23	0.00	2.00	3.8	7.6	0.78	0.00
4.92	9.8	0.05	0.51	9.2	6	98.7	0.24	0.24	0.00	2.00	3.8	7.5	0.77	0.00
5.09	9.6	0.05	0.52	10.6	6	98.7	0.25	0.25	0.00	2.00	3.7	7.4	0.75	0.00
5.25	10.2	0.04	0.39	4.0	6	98.7	0.26	0.26	0.00	1.97	3.9	7.7	0.80	0.00
5.41	9.5	0.08	0.84	-0.1	6	98.7	0.26	0.26	0.00	1.94	3.6	7.1	0.74	0.08
5.58	10.5	0.09	0.86	0.5	6	98.7	0.27	0.27	0.00	1.91	4.0	7.7	0.82	0.08
5.74	13.3	0.09	0.68	10.5	6	98.7	0.28	0.28	0.00	1.89	5.1	9.6	1.04	0.08
5.91	15.4	0.13	0.85	12.9	6	98.7	0.29	0.29	0.00	1.86	5.9	11.0	1.21	0.09
6.07	15.5	0.13	0.84	13.5	6	98.7	0.30	0.30	0.00	1.83	5.9	10.9	1.22	0.09
6.23	15.7	0.14	0.90	14.9	6	98.7	0.31	0.31	0.00	1.81	6.0	10.9	1.23	0.09
[illegible]40	15.8	0.13	0.82	20.7	6	98.7	0.31	0.31	0.00	1.79	6.1	10.8	1.24	0.09
[illegible]56	13.3	0.16	1.21	16.4	6	98.7	0.32	0.32	0.00	1.76	5.1	9.0	1.04	0.09
[illegible].73	14.1	0.20	1.42	10.9	6	98.7	0.33	0.33	0.00	1.74	5.4	9.4	1.10	0.09
6.89	15.3	0.24	1.58	10.9	6	98.7	0.34	0.34	0.00	1.72	5.8	10.1	1.19	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3957
CPT File: 315CP04.COR

ıth t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	15.8	0.25	1.58	14.5	6	98.7	0.35	0.35	0.00	1.70	6.1	10.3	1.24	0.09
7.22	13.8	0.25	1.82	17.5	5	85.3	0.35	0.35	0.00	1.68	6.6	11.1	1.07	0.09
7.38	13.7	0.22	1.60	15.1	5	85.3	0.36	0.36	0.00	1.67	6.6	11.0	1.07	0.09
7.55	13.1	0.20	1.53	15.0	5	85.3	0.37	0.37	0.00	1.65	6.3	10.4	1.02	0.09
7.71	13.2	0.20	1.52	13.4	5	85.3	0.37	0.37	0.00	1.63	6.3	10.3	1.02	0.09
7.87	14.9	0.19	1.27	11.3	6	98.7	0.38	0.38	0.00	1.62	5.7	9.3	1.16	0.09
8.04	13.5	0.21	1.56	11.7	5	85.3	0.39	0.39	0.00	1.60	6.4	10.3	1.05	0.09
8.20	13.6	0.25	1.85	8.4	5	85.3	0.40	0.40	0.00	1.59	6.5	10.3	1.05	0.10
8.37	13.5	0.26	1.93	5.5	5	85.3	0.40	0.40	0.00	1.57	6.5	10.2	1.05	0.10
8.53	14.8	0.31	2.10	11.4	5	85.3	0.41	0.41	0.00	1.56	7.1	11.1	1.15	0.11
8.69	15.0	0.29	1.94	22.2	5	85.3	0.42	0.42	0.00	1.55	7.2	11.1	1.17	0.10
8.86	16.1	0.35	2.18	26.4	5	85.3	0.42	0.42	0.00	1.54	7.7	11.8	1.25	0.11
9.02	15.8	0.34	2.16	16.1	5	85.3	0.43	0.43	0.00	1.52	7.6	11.5	1.23	0.11
9.19	16.4	0.31	1.90	15.8	6	98.7	0.44	0.44	0.00	1.51	6.3	9.5	1.27	0.10
9.35	15.6	0.30	1.92	21.8	5	85.3	0.45	0.45	0.00	1.50	7.5	11.2	1.21	0.10
9.51	16.0	0.27	1.69	25.5	6	98.7	0.45	0.45	0.00	1.48	6.1	9.1	1.25	0.10
9.68	16.2	0.27	1.67	28.5	6	98.7	0.46	0.46	0.00	1.47	6.2	9.1	1.26	0.10
9.84	16.0	0.29	1.82	33.9	6	98.7	0.47	0.47	0.00	1.46	6.1	8.9	1.24	0.10
10.01	16.3	0.33	2.03	22.1	5	85.3	0.48	0.48	0.00	1.45	7.8	11.3	1.27	0.11
10.17	20.6	0.39	1.89	3.7	6	98.7	0.49	0.49	0.00	1.44	7.9	11.4	1.61	0.11
10.33	17.5	0.37	2.12	2.5	5	85.3	0.49	0.49	0.00	1.42	8.4	11.9	1.36	0.12
10.50	15.2	0.36	2.37	8.1	5	85.3	0.50	0.50	0.00	1.41	7.3	10.3	1.18	0.15
10.66	16.3	0.33	2.03	9.3	5	85.3	0.51	0.51	0.00	1.40	7.8	10.9	1.26	0.12
10.83	15.8	0.29	1.84	9.2	6	98.7	0.51	0.51	0.00	1.39	6.1	8.5	1.22	0.11
10.99	14.8	0.28	1.90	9.1	5	85.3	0.52	0.52	0.00	1.38	7.1	9.8	1.14	0.12
11.15	14.8	0.27	1.83	9.0	5	85.3	0.53	0.53	0.00	1.38	7.1	9.7	1.14	0.11
11.32	14.2	0.29	2.05	5.2	5	85.3	0.54	0.54	0.00	1.37	6.8	9.3	1.09	0.14
11.48	15.2	0.27	1.79	3.5	5	85.3	0.54	0.54	0.00	1.36	7.3	9.8	1.17	0.11
11.65	15.6	0.28	1.80	7.8	6	98.7	0.55	0.55	0.00	1.35	6.0	8.0	1.20	0.11
81	16.4	0.34	2.08	13.0	5	85.3	0.56	0.56	0.00	1.34	7.8	10.5	1.26	0.13
.97	17.4	0.36	2.07	17.4	5	85.3	0.56	0.56	0.00	1.33	8.3	11.1	1.35	0.13
12.14	20.9	0.38	1.82	20.5	6	98.7	0.57	0.57	0.00	1.32	8.0	10.6	1.63	0.11
12.30	20.0	0.42	2.10	21.0	6	98.7	0.58	0.58	0.00	1.31	7.7	10.1	1.56	0.13
12.47	23.5	0.39	1.66	18.6	6	98.7	0.59	0.59	0.00	1.30	9.0	11.8	1.84	0.11
12.63	24.4	0.33	1.35	18.4	6	98.7	0.60	0.60	0.00	1.29	9.4	12.1	1.91	0.10
12.80	28.9	0.24	0.83	1.8	7	98.7	0.60	0.60	0.00	1.29	9.2	11.9	UnDef	0.09
12.96	37.4	0.19	0.51	0.7	7	98.7	0.61	0.61	0.00	1.28	11.9	15.2	UnDef	0.10
13.12	47.5	0.28	0.59	0.3	8	101.8	0.62	0.62	0.00	1.27	11.4	14.4	UnDef	0.11
13.29	42.7	0.41	0.96	1.0	7	98.7	0.63	0.63	0.00	1.26	13.6	17.2	UnDef	0.11
13.45	39.2	0.52	1.33	0.8	7	98.7	0.64	0.64	0.00	1.25	12.5	15.7	UnDef	0.12
13.62	36.9	0.62	1.68	1.0	6	98.7	0.65	0.65	0.00	1.24	14.1	17.6	2.90	0.12
13.78	34.9	0.63	1.81	0.9	6	98.7	0.65	0.65	0.00	1.24	13.4	16.5	2.74	0.13
13.94	30.5	0.64	2.10	0.8	6	98.7	0.66	0.66	0.00	1.23	11.7	14.4	2.39	0.13
14.11	26.3	0.63	2.40	1.2	6	98.7	0.67	0.67	0.00	1.22	10.1	12.3	2.05	0.16
14.27	24.2	0.60	2.48	4.4	6	98.7	0.68	0.68	0.00	1.21	9.3	11.3	1.88	0.18
14.44	23.8	0.56	2.36	11.0	6	98.7	0.69	0.69	0.00	1.21	9.1	11.0	1.85	0.16
14.60	21.7	0.51	2.35	15.9	6	98.7	0.69	0.69	0.00	1.20	8.3	10.0	1.68	0.18
14.76	21.2	0.45	2.12	21.8	6	98.7	0.70	0.70	0.00	1.19	8.1	9.7	1.64	0.16
14.93	28.5	0.47	1.65	24.7	6	98.7	0.71	0.71	0.00	1.19	10.9	13.0	2.23	0.11
15.09	34.3	0.58	1.69	1.2	6	98.7	0.72	0.72	0.00	1.18	13.1	15.5	2.69	0.12
15.26	28.8	0.64	2.23	1.9	6	98.7	0.73	0.73	0.00	1.17	11.0	12.9	2.24	0.15
15.42	29.2	0.66	2.27	6.2	6	98.7	0.73	0.73	0.00	1.17	11.2	13.0	2.27	0.15
15.58	36.1	0.48	1.33	8.1	7	98.7	0.74	0.74	0.00	1.16	11.5	13.4	UnDef	0.11
15.75	50.8	0.46	0.91	-1.1	7	98.7	0.75	0.75	0.00	1.15	16.2	18.7	UnDef	0.12
15.91	55.3	0.46	0.83	-0.1	7	98.7	0.76	0.76	0.00	1.15	17.7	20.3	UnDef	0.12
16.08	51.4	0.65	1.27	0.2	7	98.7	0.77	0.77	0.00	1.14	16.4	18.7	UnDef	0.13
16.24	51.8	0.74	1.43	0.1	7	98.7	0.78	0.78	0.00	1.14	16.5	18.8	UnDef	0.14
16.40	49.2	0.72	1.47	0.4	7	98.7	0.78	0.78	0.00	1.13	15.7	17.7	UnDef	0.14
16.57	46.4	0.74	1.60	0.3	7	98.7	0.79	0.79	0.00	1.12	14.8	16.6	UnDef	0.14
16.73	47.3	0.66	1.40	0.5	7	98.7	0.80	0.80	0.00	1.12	15.1	16.9	UnDef	0.13
90	54.1	0.65	1.20	0.2	7	98.7	0.81	0.81	0.00	1.11	17.3	19.2	UnDef	0.13
06	58.0	0.54	0.93	0.4	7	98.7	0.82	0.82	0.00	1.11	18.5	20.5	UnDef	0.13
.22	70.4	0.51	0.73	0.5	8	101.8	0.82	0.82	0.00	1.10	16.9	18.6	UnDef	0.14
17.39	79.7	0.55	0.69	0.6	8	101.8	0.83	0.83	0.00	1.10	19.1	20.9	UnDef	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3957
CPT File: 315CP04.COR

th (c)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	87.6	0.63	0.72	0.8	8	101.8	0.84	0.84	0.00	1.09	21.0	22.9	UnDef	0.18
17.72	85.2	0.64	0.75	0.6	8	101.8	0.85	0.85	0.00	1.09	20.4	22.1	UnDef	0.18
17.88	75.3	0.56	0.75	0.5	8	101.8	0.86	0.86	0.00	1.08	18.0	19.5	UnDef	0.15
18.04	59.5	0.56	0.94	0.5	7	98.7	0.87	0.87	0.00	1.08	19.0	20.4	UnDef	0.13
18.21	51.2	0.79	1.55	0.6	7	98.7	0.87	0.87	0.00	1.07	16.3	17.5	UnDef	0.14
18.37	42.5	0.91	2.14	0.3	6	98.7	0.88	0.88	0.00	1.07	16.3	17.4	3.33	0.17
18.54	43.2	0.90	2.09	1.8	6	98.7	0.89	0.89	0.00	1.06	16.5	17.5	3.38	0.17
18.70	46.4	0.76	1.64	1.2	7	98.7	0.90	0.90	0.00	1.06	14.8	15.6	UnDef	0.14
18.86	42.9	0.62	1.45	0.4	7	98.7	0.91	0.91	0.00	1.05	13.7	14.4	UnDef	0.13
19.03	44.8	0.72	1.61	-0.4	7	98.7	0.91	0.91	0.00	1.05	14.3	15.0	UnDef	0.14
19.19	37.1	0.74	2.00	0.6	6	98.7	0.92	0.92	0.00	1.04	14.2	14.8	2.90	0.16
19.36	29.5	0.71	2.42	2.6	6	98.7	0.93	0.93	0.00	1.04	11.3	11.7	2.28	0.25
19.52	25.9	0.56	2.17	4.7	6	98.7	0.94	0.94	0.00	1.03	9.9	10.2	2.00	0.25
19.68	22.6	0.45	1.99	6.6	6	98.7	0.95	0.95	0.00	1.03	8.7	8.9	1.74	0.22
19.85	24.2	0.41	1.70	7.9	6	98.7	0.95	0.95	0.00	1.02	9.3	9.5	1.86	0.16
20.01	31.3	0.42	1.35	9.1	6	98.7	0.96	0.96	0.00	1.02	12.0	12.2	2.43	0.12
20.18	38.5	0.50	1.30	1.2	7	98.7	0.97	0.97	0.00	1.02	12.3	12.5	UnDef	0.12
20.34	44.8	0.46	1.03	0.6	7	98.7	0.98	0.98	0.00	1.01	14.3	14.5	UnDef	0.11
20.51	51.4	0.47	0.92	0.2	7	98.7	0.99	0.99	0.00	1.01	16.4	16.5	UnDef	0.12
20.67	51.5	0.47	0.92	0.1	7	98.7	0.99	0.99	0.00	1.00	16.4	16.5	UnDef	0.12
20.83	45.5	0.60	1.32	0.2	7	98.7	1.00	1.00	0.00	1.00	14.5	14.5	UnDef	0.13
21.00	35.0	0.64	1.83	0.5	6	98.7	1.01	1.01	0.00	0.99	13.4	13.3	2.72	0.15
21.16	31.2	0.66	2.12	1.4	6	98.7	1.02	1.02	0.00	0.99	12.0	11.9	2.42	0.21
21.33	30.5	0.63	2.07	6.3	6	98.7	1.03	1.03	0.00	0.99	11.7	11.5	2.36	0.21
21.49	31.7	0.60	1.90	7.9	6	98.7	1.04	1.04	0.00	0.98	12.1	11.9	2.45	0.17
21.65	29.8	0.61	2.05	10.4	6	98.7	1.04	1.04	0.00	0.98	11.4	11.2	2.30	0.22
21.82	28.4	0.57	2.01	14.5	6	98.7	1.05	1.05	0.00	0.98	10.9	10.6	2.19	0.23
21.98	25.8	0.67	2.61	18.7	5	85.3	1.06	1.06	0.00	0.97	12.3	12.0	1.98	0.25
[illegible].15	26.9	0.64	2.39	21.9	6	98.7	1.07	1.07	0.00	0.97	10.3	10.0	2.06	0.27
[illegible]31	30.5	0.62	2.04	35.8	6	98.7	1.07	1.07	0.00	0.96	11.7	11.3	2.35	0.22
[illegible]47	30.3	0.57	1.89	42.0	6	98.7	1.08	1.08	0.00	0.96	11.6	11.2	2.34	0.19
22.64	30.9	0.53	1.72	43.6	6	98.7	1.09	1.09	0.00	0.96	11.8	11.3	2.39	0.16
22.80	32.7	0.55	1.69	38.6	6	98.7	1.10	1.10	0.00	0.95	12.5	11.9	2.53	0.15
22.97	25.7	0.49	1.91	26.7	6	98.7	1.11	1.11	0.00	0.95	9.8	9.3	1.97	0.24
23.13	23.8	0.44	1.85	30.1	6	98.7	1.12	1.12	0.00	0.95	9.1	8.6	1.81	0.20
23.29	25.5	0.42	1.65	32.9	6	98.7	1.12	1.12	0.00	0.94	9.8	9.2	1.95	0.21
23.46	26.9	0.46	1.72	36.9	6	98.7	1.13	1.13	0.00	0.94	10.3	9.7	2.06	0.21
23.62	30.0	0.45	1.51	41.8	6	98.7	1.14	1.14	0.00	0.94	11.5	10.8	2.31	0.15
23.79	31.8	0.53	1.67	45.5	6	98.7	1.15	1.15	0.00	0.93	12.2	11.4	2.45	0.16
23.95	29.9	0.51	1.71	47.0	6	98.7	1.16	1.16	0.00	0.93	11.5	10.7	2.30	0.18
24.11	31.8	0.54	1.70	49.7	6	98.7	1.16	1.16	0.00	0.93	12.2	11.3	2.45	0.17
24.28	30.9	0.50	1.62	35.1	6	98.7	1.17	1.17	0.00	0.92	11.8	10.9	2.38	0.17
24.44	27.1	0.51	1.88	38.5	6	98.7	1.18	1.18	0.00	0.92	10.4	9.6	2.08	0.25
24.61	29.5	0.48	1.63	41.2	6	98.7	1.19	1.19	0.00	0.92	11.3	10.4	2.26	0.18
24.77	27.4	0.49	1.79	43.1	6	98.7	1.20	1.20	0.00	0.91	10.5	9.6	2.10	0.25
24.93	29.6	0.46	1.56	45.3	6	98.7	1.20	1.20	0.00	0.91	11.3	10.3	2.27	0.17
25.10	35.2	0.53	1.51	45.2	7	98.7	1.21	1.21	0.00	0.91	11.2	10.2	UnDef	0.14
25.26	46.2	0.54	1.17	4.4	7	98.7	1.22	1.22	0.00	0.91	14.7	13.4	UnDef	0.12
25.43	48.9	0.64	1.31	0.9	7	98.7	1.23	1.23	0.00	0.90	15.6	14.1	UnDef	0.13
25.59	56.2	0.77	1.37	-0.4	7	98.7	1.24	1.24	0.00	0.90	17.9	16.1	UnDef	0.15
25.75	66.3	0.73	1.10	0.4	7	98.7	1.24	1.24	0.00	0.90	21.2	19.0	UnDef	0.14
25.92	77.5	0.72	0.93	0.3	8	101.8	1.25	1.25	0.00	0.89	18.6	16.6	UnDef	0.15
26.08	73.8	0.61	0.83	0.3	8	101.8	1.26	1.26	0.00	0.89	17.7	15.7	UnDef	0.14
26.25	78.4	0.70	0.90	0.2	8	101.8	1.27	1.27	0.00	0.89	18.8	16.7	UnDef	0.15
26.41	72.9	1.09	1.50	0.2	7	98.7	1.28	1.28	0.00	0.88	23.3	20.6	UnDef	0.18
26.57	55.6	1.18	2.13	0.3	6	98.7	1.29	1.29	0.00	0.88	21.3	18.8	4.35	0.23
26.74	50.2	1.21	2.42	1.3	6	98.7	1.29	1.29	0.00	0.88	19.2	16.9	3.91	0.29
26.90	48.3	1.19	2.47	0.2	6	98.7	1.30	1.30	0.00	0.88	18.5	16.2	3.76	0.32
27.07	65.3	1.05	1.61	0.1	7	98.7	1.31	1.31	0.00	0.87	20.9	18.2	UnDef	0.18
27.23	130.8	1.12	0.86	0.2	9	101.8	1.32	1.32	0.00	0.87	25.0	21.8	UnDef	0.28
[illegible]39	165.3	1.19	0.72	0.0	9	101.8	1.33	1.33	0.00	0.87	31.7	27.5	UnDef	0.39
[illegible]6	179.8	1.38	0.77	-0.1	9	101.8	1.34	1.34	0.00	0.87	34.4	29.8	UnDef	0.00
[illegible].72	195.9	0.02	0.01	0.0	10	127.3	1.34	1.34	0.00	0.86	31.3	27.0	UnDef	0.00
27.89	171.9	0.02	0.01	-0.1	9	101.8	1.35	1.35	0.00	0.86	32.9	28.3	UnDef	0.36

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3957
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-4
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 13:18
CPT File: 315CP04.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-04	0.00	1000.0	0.36	10	37.2	0.0	37.2	0.0	50	88.7	1.0	-0.30	0.0	12.4
0.33	5.0E-04	0.00	1000.0	0.34	10	62.8	0.0	62.8	0.0	50	93.8	1.0	-0.30	0.0	20.9
0.49	5.0E-04	0.00	1000.0	0.34	10	61.7	0.0	61.7	0.0	50	87.5	1.0	-0.30	0.0	20.6
0.66	5.0E-04	0.00	778.4	0.36	10	48.3	0.0	48.3	0.0	50	76.3	1.0	-0.28	0.0	16.1
0.82	5.0E-05	0.00	445.6	0.33	10	34.6	0.0	34.6	0.0	48	63.6	10.0	-0.22	0.0	13.8
0.98	5.0E-05	0.00	292.3	0.21	10	27.3	0.0	27.3	0.0	46	54.1	10.0	-0.15	0.0	10.9
1.15	5.0E-05	0.00	234.7	0.15	10	25.6	0.0	25.6	0.0	46	50.1	10.0	-0.10	0.0	10.2
1.31	5.0E-05	0.00	226.9	0.14	10	28.3	0.0	28.3	0.0	46	51.0	10.0	-0.09	0.0	11.3
48	5.0E-05	0.00	202.4	0.14	10	28.4	0.0	28.4	0.0	46	49.5	10.0	-0.08	0.0	11.3
.64	5.0E-05	0.00	165.6	0.15	9	25.8	0.0	25.8	0.5	44	45.3	10.0	-0.07	0.0	10.3
1.80	5.0E-05	0.00	126.7	0.18	9	21.8	0.0	21.8	2.1	44	39.0	10.0	-0.06	0.0	8.7
1.97	5.0E-05	0.00	115.4	0.18	9	21.7	0.0	21.7	2.6	42	37.6	10.0	-0.06	0.0	8.7
2.13	5.0E-05	0.00	116.8	0.49	9	23.7	0.0	23.7	5.0	42	39.1	10.0	-0.14	0.0	9.5
2.30	5.0E-05	0.00	141.1	1.25	9	30.8	4.3	35.1	9.6	44	45.5	10.0	-0.24	1.0	13.4
2.46	5.0E-05	0.00	194.2	0.94	9	45.4	0.9	46.3	5.7	44	55.6	10.0	-0.24	0.2	18.4
2.62	5.0E-04	0.00	208.6	0.85	9	52.0	0.0	52.0	4.8	46	58.6	1.0	-0.24	0.0	17.3
2.79	5.0E-05	0.00	191.2	1.22	9	50.6	3.5	54.1	7.4	44	57.0	10.0	-0.27	0.8	21.1
2.95	5.0E-05	0.00	192.9	1.43	9	54.1	5.5	59.6	8.4	44	58.0	10.0	-0.29	1.3	23.0
3.12	5.0E-05	0.00	165.6	1.89	9	49.1	10.6	59.6	11.6	44	54.4	10.0	-0.31	2.4	22.1
3.28	5.0E-05	0.00	117.4	2.11	7	36.7	14.0	50.7	15.3	42	45.4	10.0	-0.29	3.1	17.8
3.44	5.0E-06	0.00	95.5	2.17	7	31.3	15.7	47.0	17.5	UnDef	UnDef	10.0	UnDef	4.1	19.8
3.61	5.0E-05	0.00	96.1	1.65	7	32.9	11.8	44.7	14.9	42	41.0	10.0	-0.24	2.6	15.8
3.77	5.0E-05	0.00	81.2	1.33	7	29.1	10.1	39.2	14.6	42	36.9	10.0	-0.20	2.2	13.9
3.94	5.0E-06	0.00	57.4	1.27	7	21.6	11.2	32.7	17.8	UnDef	UnDef	10.0	UnDef	2.9	13.7
4.10	5.0E-05	0.00	53.3	0.66	9	20.8	6.3	27.1	13.8	40	30.0	10.0	-0.09	1.4	9.7
4.27	5.0E-05	0.00	53.9	0.45	9	21.9	0.0	21.9	5.0	40	30.0	10.0	-0.06	0.0	8.8
4.43	5.0E-05	0.01	49.8	0.37	9	21.1	0.0	21.1	5.0	38	30.0	6.0	-0.04	0.0	8.4
4.59	5.0E-05	0.01	48.6	0.37	9	21.3	0.0	21.3	5.0	38	30.0	6.0	-0.04	0.0	8.5
4.76	5.0E-05	0.02	41.7	0.52	9	19.0	6.9	25.9	15.0	38	30.0	6.0	-0.05	1.5	9.1
4.92	5.0E-05	0.03	39.8	0.52	9	18.8	7.4	26.2	15.6	38	30.0	6.0	-0.05	1.6	9.1
5.09	5.0E-05	0.04	37.7	0.53	7	18.5	8.0	26.5	16.3	38	30.0	6.0	-0.04	1.7	9.1
5.25	5.0E-05	0.01	38.9	0.40	9	19.6	0.0	19.6	5.0	38	30.0	6.0	-0.02	0.0	7.7
5.41	5.0E-05	0.00	35.0	0.87	7	18.1	13.0	31.1	20.6	38	30.0	6.0	-0.08	2.5	9.6
5.58	5.0E-05	0.00	37.6	0.88	7	19.7	12.9	32.6	19.8	38	30.0	6.0	-0.08	2.5	10.3
5.74	5.0E-05	0.03	46.5	0.69	7	24.6	9.6	34.3	15.5	38	30.0	6.0	-0.08	2.1	11.7
5.91	5.0E-05	0.03	52.2	0.86	7	28.0	11.3	39.3	15.8	38	30.8	10.0	-0.11	2.4	13.4
6.07	5.0E-05	0.03	51.2	0.86	7	27.9	11.5	39.4	15.9	38	30.6	10.0	-0.11	2.4	13.3
6.23	5.0E-05	0.03	50.3	0.91	7	27.7	12.5	40.2	16.6	38	30.5	10.0	-0.11	2.6	13.5
6.40	5.0E-05	0.04	49.5	0.84	7	27.6	11.8	39.4	16.2	38	30.4	6.0	-0.10	2.5	13.3
56	5.0E-05	0.04	40.4	1.24	7	23.0	18.6	41.6	21.8	38	30.0	6.0	-0.12	3.5	12.5
73	5.0E-05	0.02	41.8	1.46	7	24.0	21.9	45.9	22.9	38	30.0	6.0	-0.14	4.0	13.4
6.89	5.0E-05	0.02	44.2	1.61	7	25.7	24.2	49.8	23.1	38	30.0	6.0	-0.15	4.4	14.4

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP04.COR

th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.03	44.8	1.62	7	26.4	24.4	50.7	23.0	38	30.0	6.0	-0.15	4.4	14.8
7.22	5.0E-06	0.04	37.9	1.87	7	22.6	31.4	54.1	26.8	UnDef	UnDef	6.0	UnDef	6.3	17.4
7.38	5.0E-06	0.04	37.1	1.65	7	22.4	27.7	50.1	25.7	UnDef	UnDef	6.0	UnDef	5.8	16.8
7.55	5.0E-06	0.04	34.7	1.57	7	21.2	27.5	48.7	26.2	UnDef	UnDef	6.0	UnDef	5.7	16.0
7.71	5.0E-06	0.03	34.1	1.57	7	21.0	27.9	49.0	26.4	UnDef	UnDef	6.0	UnDef	5.7	16.0
7.87	5.0E-05	0.02	38.1	1.31	7	23.7	22.0	45.6	23.0	38	30.0	6.0	-0.12	4.0	13.3
8.04	5.0E-06	0.03	33.6	1.61	7	21.1	29.6	50.8	26.9	UnDef	UnDef	6.0	UnDef	5.9	16.3
8.20	5.0E-06	0.02	33.3	1.90	7	21.1	37.0	58.1	28.8	UnDef	UnDef	6.0	UnDef	6.8	17.2
8.37	5.0E-06	0.01	32.5	1.99	7	20.8	40.4	61.2	29.7	UnDef	UnDef	6.0	UnDef	7.2	17.3
8.53	5.0E-06	0.02	35.1	2.16	7	22.6	42.9	65.6	29.5	UnDef	UnDef	6.0	UnDef	7.7	18.8
8.69	5.0E-06	0.05	34.9	1.99	7	22.7	39.0	61.7	28.7	UnDef	UnDef	6.0	UnDef	7.3	18.4
8.86	5.0E-06	0.05	36.9	2.24	7	24.2	44.3	68.5	29.2	UnDef	UnDef	6.0	UnDef	8.0	19.9
9.02	5.0E-06	0.03	35.6	2.22	7	23.5	45.3	68.8	29.6	UnDef	UnDef	6.0	UnDef	8.1	19.6
9.19	5.0E-05	0.03	36.3	1.95	7	24.2	37.9	62.1	27.9	38	30.0	6.0	-0.15	5.8	15.3
9.35	5.0E-06	0.04	34.0	1.98	7	22.9	40.8	63.7	29.0	UnDef	UnDef	6.0	UnDef	7.5	18.7
9.51	5.0E-05	0.05	34.3	1.74	7	23.3	34.6	57.9	27.4	36	30.0	6.0	-0.13	5.4	14.6
9.68	5.0E-05	0.06	34.1	1.72	7	23.4	34.5	57.9	27.3	36	30.0	6.0	-0.13	5.4	14.6
9.84	5.0E-05	0.07	33.0	1.87	7	22.8	39.7	62.5	28.8	36	30.0	6.0	-0.13	5.9	14.8
10.01	5.0E-06	0.04	33.2	2.09	7	23.1	46.2	69.3	30.0	UnDef	UnDef	6.0	UnDef	8.1	19.4
10.17	5.0E-05	0.01	41.5	1.94	7	29.0	36.7	65.7	25.9	38	31.8	6.0	-0.17	6.1	17.4
10.33	5.0E-06	0.00	34.5	2.18	7	24.4	48.3	72.7	29.9	UnDef	UnDef	6.0	UnDef	8.5	20.4
10.50	5.0E-06	0.02	29.5	2.45	6	21.1	69.8	90.9	33.8	UnDef	UnDef	6.0	UnDef	9.5	19.9
10.66	5.0E-06	0.02	31.1	2.10	7	22.4	50.8	73.2	31.0	UnDef	UnDef	6.0	UnDef	8.4	19.4
10.83	5.0E-05	0.02	29.8	1.90	7	21.6	46.1	67.7	30.5	36	30.0	6.0	-0.13	6.3	14.7
10.99	5.0E-06	0.02	27.4	1.97	6	20.0	53.5	73.6	32.3	UnDef	UnDef	6.0	UnDef	8.2	18.0
11.15	5.0E-06	0.02	27.0	1.90	7	19.9	51.8	71.7	32.0	UnDef	UnDef	6.0	UnDef	8.0	17.8
11.32	5.0E-06	0.01	25.5	2.13	6	19.0	68.8	87.8	34.3	UnDef	UnDef	6.0	UnDef	8.9	18.2
11.48	5.0E-06	0.01	26.9	1.85	7	20.1	50.7	70.8	31.8	UnDef	UnDef	6.0	UnDef	8.0	17.8
[illegible].65	5.0E-05	0.02	27.3	1.87	7	20.5	51.0	71.5	31.7	36	30.0	6.0	-0.12	6.5	14.5
[illegible]81	5.0E-06	0.03	28.3	2.16	6	21.4	62.0	83.4	32.8	UnDef	UnDef	6.0	UnDef	9.1	19.6
[illegible].97	5.0E-06	0.03	29.8	2.14	6	22.6	58.1	80.7	31.9	UnDef	UnDef	6.0	UnDef	9.1	20.1
12.14	5.0E-05	0.03	35.5	1.87	7	27.1	41.7	68.7	27.7	38	30.0	6.0	-0.14	6.5	17.1
12.30	5.0E-05	0.03	33.5	2.17	7	25.7	53.3	79.0	30.3	36	30.0	6.0	-0.15	7.3	17.4
12.47	5.0E-05	0.03	39.0	1.70	7	30.0	35.8	65.9	25.4	38	32.8	6.0	-0.14	6.1	17.8
12.63	5.0E-05	0.02	39.9	1.39	7	30.9	28.6	59.6	23.0	38	33.7	6.0	-0.13	5.2	17.3
12.80	5.0E-04	0.00	46.9	0.85	7	36.4	16.9	53.3	16.9	38	38.3	1.0	-0.10	2.9	14.8
12.96	5.0E-04	0.00	60.0	0.52	9	46.7	9.3	56.0	11.2	40	45.5	1.0	-0.08	1.8	17.0
13.12	5.0E-03	0.00	75.4	0.60	9	58.9	8.9	67.8	9.9	40	52.1	1.0	-0.12	1.3	15.7
13.29	5.0E-04	0.00	66.9	0.98	9	52.7	16.9	69.6	14.1	40	48.9	1.0	-0.15	3.1	20.3
13.45	5.0E-04	0.00	60.4	1.35	7	48.0	24.8	72.8	17.8	40	46.2	1.0	-0.17	4.2	19.9
13.62	5.0E-05	0.00	56.2	1.71	7	45.0	32.8	77.8	20.8	40	44.4	10.0	-0.18	6.3	23.9
13.78	5.0E-05	0.00	52.4	1.85	7	42.2	36.6	78.8	22.4	38	42.6	10.0	-0.18	6.8	23.3
13.94	5.0E-05	0.00	45.1	2.15	7	36.7	46.7	83.4	26.0	38	38.5	6.0	-0.19	7.7	22.1
14.11	5.0E-05	0.00	38.2	2.47	7	31.4	62.4	93.8	29.9	38	34.1	6.0	-0.19	8.8	21.1
14.27	5.0E-05	0.01	34.7	2.55	6	28.8	72.1	100.8	31.8	36	31.6	6.0	-0.18	9.1	20.4
14.44	5.0E-05	0.01	33.7	2.43	6	28.1	68.6	96.8	31.6	36	30.9	6.0	-0.17	8.8	19.8
14.60	5.0E-05	0.02	30.3	2.43	6	25.5	78.3	103.8	33.2	36	30.0	6.0	-0.15	8.9	18.9
14.76	5.0E-05	0.03	29.2	2.20	6	24.8	68.8	93.6	32.5	36	30.0	6.0	-0.14	8.3	18.0
14.93	5.0E-05	0.03	39.2	1.69	7	33.1	39.0	72.1	25.2	38	35.6	6.0	-0.14	6.6	19.6
15.09	5.0E-05	0.00	46.8	1.73	7	39.6	37.2	76.8	23.1	38	40.7	6.0	-0.17	6.7	22.2
15.26	5.0E-05	0.00	38.6	2.29	7	33.0	57.9	90.9	28.9	38	35.5	6.0	-0.18	8.6	21.5
15.42	5.0E-05	0.01	38.7	2.33	7	33.3	59.5	92.8	29.0	38	35.8	6.0	-0.18	8.7	21.8
15.58	5.0E-04	0.01	47.6	1.36	7	41.0	29.2	70.2	20.6	38	41.7	1.0	-0.14	4.7	18.1
15.75	5.0E-04	0.00	66.7	0.92	9	57.4	17.4	74.8	13.7	40	51.4	1.0	-0.14	3.2	21.9
15.91	5.0E-04	0.00	71.9	0.85	9	62.1	15.3	77.4	12.4	40	53.6	1.0	-0.14	2.9	23.1
16.08	5.0E-04	0.00	66.0	1.29	7	57.4	25.1	82.5	16.4	40	51.4	1.0	-0.17	4.4	23.1
16.24	5.0E-04	0.00	65.8	1.45	7	57.6	28.8	86.4	17.5	40	51.5	1.0	-0.18	4.9	23.7
16.40	5.0E-04	0.00	61.8	1.49	7	54.4	30.3	84.7	18.4	40	49.8	1.0	-0.18	5.1	22.9
16.57	5.0E-04	0.00	57.6	1.63	7	51.0	34.1	85.1	20.0	40	48.0	1.0	-0.18	5.6	22.2
16.73	5.0E-04	0.00	58.1	1.42	7	51.7	29.7	81.4	18.7	40	48.4	1.0	-0.17	5.0	21.9
[illegible]90	5.0E-04	0.00	66.0	1.22	7	58.9	24.4	83.3	16.0	40	52.1	1.0	-0.17	4.3	23.5
[illegible]06	5.0E-04	0.00	70.1	0.95	9	62.9	18.2	81.1	13.4	40	54.0	1.0	-0.15	3.4	23.9
[illegible].22	5.0E-03	0.00	84.5	0.73	9	75.9	11.9	87.8	10.1	42	59.4	1.0	-0.14	1.7	20.3
17.39	5.0E-03	0.00	94.8	0.70	9	85.5	9.8	95.3	8.9	42	62.8	1.0	-0.15	1.4	22.4

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CPT File: 315CP04.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	103.3	0.73	9	93.6	9.4	103.0	8.4	42	65.4	1.0	-0.16	1.4	24.3
17.72	5.0E-03	0.00	99.3	0.76	9	90.5	10.8	101.2	9.0	42	64.4	1.0	-0.16	1.6	23.7
17.88	5.0E-03	0.00	86.8	0.75	9	79.5	12.3	91.8	10.0	42	60.7	1.0	-0.15	1.8	21.2
18.04	5.0E-04	0.00	67.8	0.96	9	62.6	19.3	81.9	13.8	40	53.9	1.0	-0.15	3.5	24.0
18.21	5.0E-04	0.00	57.6	1.57	7	53.6	34.6	88.2	19.7	40	49.4	1.0	-0.18	5.7	23.2
18.37	5.0E-05	0.00	47.3	2.19	7	44.3	53.9	98.3	25.6	38	44.0	6.0	-0.19	9.1	26.4
18.54	5.0E-05	0.00	47.5	2.13	7	44.8	52.3	97.1	25.2	38	44.3	6.0	-0.19	8.9	26.5
18.70	5.0E-04	0.00	50.7	1.67	7	47.9	39.0	86.9	21.8	38	46.2	1.0	-0.17	6.1	21.7
18.86	5.0E-04	0.00	46.4	1.48	7	44.1	35.4	79.6	21.7	38	43.8	1.0	-0.15	5.6	20.0
19.03	5.0E-04	0.00	48.1	1.64	7	45.9	39.3	85.2	22.3	38	45.0	1.0	-0.16	6.1	21.0
19.19	5.0E-05	0.00	39.3	2.05	7	37.8	55.7	93.6	27.3	38	39.4	6.0	-0.17	8.8	23.6
19.36	5.0E-05	0.00	30.7	2.49	6	29.9	93.6	123.5	33.4	36	32.7	6.0	-0.16	10.5	22.3
19.52	5.0E-05	0.01	26.6	2.25	6	26.2	95.0	121.2	34.4	36	30.0	6.0	-0.13	9.9	20.1
19.68	5.0E-05	0.01	22.9	2.08	6	22.8	91.1	113.9	35.9	34	30.0	6.0	-0.11	8.9	17.8
19.85	5.0E-05	0.01	24.3	1.77	6	24.2	70.8	95.1	32.9	34	30.0	6.0	-0.10	8.3	17.8
20.01	5.0E-05	0.01	31.5	1.39	7	31.2	41.1	72.2	26.3	36	33.9	6.0	-0.10	6.7	18.9
20.18	5.0E-04	0.00	38.7	1.33	7	38.3	35.5	73.8	23.0	38	39.7	1.0	-0.12	5.4	17.9
20.34	5.0E-04	0.00	44.8	1.05	7	44.3	26.7	71.0	19.1	38	43.9	1.0	-0.12	4.4	18.9
20.51	5.0E-04	0.00	51.1	0.93	7	50.7	22.7	73.4	16.6	38	47.8	1.0	-0.12	4.0	20.5
20.67	5.0E-04	0.00	50.7	0.93	7	50.5	22.9	73.4	16.7	38	47.7	1.0	-0.12	4.0	20.5
20.83	5.0E-04	0.00	44.3	1.35	7	44.4	34.6	79.0	21.4	38	44.0	1.0	-0.14	5.5	20.0
21.00	5.0E-05	0.00	33.6	1.89	7	34.1	58.0	92.1	28.6	36	36.4	6.0	-0.14	8.7	22.0
21.16	5.0E-05	0.00	29.7	2.19	6	30.3	81.1	111.4	32.3	36	33.0	6.0	-0.14	9.9	21.8
21.33	5.0E-05	0.01	28.7	2.14	6	29.5	81.7	111.1	32.5	36	32.2	6.0	-0.14	9.8	21.3
21.49	5.0E-05	0.01	29.6	1.96	7	30.4	69.2	99.6	31.0	36	33.2	6.0	-0.13	9.2	21.1
21.65	5.0E-05	0.01	27.6	2.12	6	28.6	85.4	113.9	33.1	36	31.4	6.0	-0.13	9.9	21.0
21.82	5.0E-05	0.02	26.0	2.09	6	27.1	90.8	117.8	33.8	34	30.0	6.0	-0.12	9.9	20.4
21.98	5.0E-06	0.02	23.3	2.72	6	24.5	98.0	122.5	39.1	UnDef	UnDef	6.0	UnDef	12.0	24.0
[illegible].15	5.0E-05	0.03	24.2	2.49	6	25.5	101.8	127.3	37.3	34	30.0	6.0	-0.13	10.0	19.9
31	5.0E-05	0.04	27.4	2.11	6	28.8	86.5	115.3	33.1	36	31.6	6.0	-0.13	10.0	21.2
[illegible].47	5.0E-05	0.04	27.0	1.96	6	28.5	77.8	106.3	32.4	36	31.3	6.0	-0.12	9.4	20.6
22.64	5.0E-05	0.05	27.4	1.78	7	29.0	66.6	95.5	31.1	36	31.8	6.0	-0.11	8.8	20.1
22.80	5.0E-05	0.04	28.8	1.74	7	30.5	61.9	92.4	30.1	36	33.3	6.0	-0.11	8.6	20.6
22.97	5.0E-05	0.03	22.2	2.00	6	23.9	95.5	119.4	36.0	34	30.0	6.0	-0.10	9.3	18.7
23.13	5.0E-05	0.04	20.3	1.95	6	22.0	88.1	110.2	37.2	34	30.0	6.0	-0.08	8.6	17.3
23.29	5.0E-05	0.04	21.7	1.73	6	23.5	88.9	112.4	34.6	34	30.0	6.0	-0.08	9.0	18.2
23.46	5.0E-05	0.04	22.8	1.79	6	24.7	87.3	112.0	34.2	34	30.0	6.0	-0.09	9.2	18.9
23.62	5.0E-05	0.05	25.3	1.56	7	27.5	61.5	89.0	30.9	34	30.2	6.0	-0.09	8.2	18.9
23.79	5.0E-05	0.05	26.7	1.73	7	29.0	67.5	96.5	31.2	36	31.8	6.0	-0.10	8.8	20.2
23.95	5.0E-05	0.05	24.9	1.78	6	27.2	76.2	103.5	32.6	34	30.0	6.0	-0.10	9.1	19.8
24.11	5.0E-05	0.05	26.4	1.76	7	28.9	70.5	99.4	31.6	34	31.7	6.0	-0.10	9.0	20.3
24.28	5.0E-05	0.04	25.4	1.69	7	27.9	69.2	97.1	31.7	34	30.7	6.0	-0.10	8.8	19.7
24.44	5.0E-05	0.05	22.0	1.97	6	24.4	97.8	122.2	35.9	34	30.0	6.0	-0.09	9.6	19.1
24.61	5.0E-05	0.05	23.8	1.70	6	26.4	76.6	103.0	32.8	34	30.0	6.0	-0.09	9.0	19.3
24.77	5.0E-05	0.05	21.9	1.87	6	24.5	98.1	122.7	35.4	34	30.0	6.0	-0.09	9.6	19.2
24.93	5.0E-05	0.05	23.6	1.62	7	26.4	72.5	98.9	32.5	34	30.0	6.0	-0.08	8.7	19.1
25.10	5.0E-04	0.04	28.0	1.56	7	31.3	57.4	88.7	29.2	36	34.0	1.0	-0.10	6.9	17.2
25.26	5.0E-04	0.00	36.9	1.20	7	40.9	36.7	77.7	22.7	38	41.7	1.0	-0.11	5.6	19.0
25.43	5.0E-04	0.00	38.8	1.34	7	43.2	40.2	83.4	23.1	38	43.2	1.0	-0.12	6.1	20.2
25.59	5.0E-04	0.00	44.4	1.41	7	49.4	39.9	89.4	21.7	38	47.1	1.0	-0.14	6.3	22.4
25.75	5.0E-04	0.00	52.3	1.12	7	58.2	30.3	88.4	17.8	38	51.7	1.0	-0.14	5.2	24.1
25.92	5.0E-03	0.00	60.8	0.95	9	67.7	24.1	91.9	14.8	40	56.1	1.0	-0.14	3.3	19.8
26.08	5.0E-03	0.00	57.5	0.84	9	64.3	22.1	86.4	14.6	40	54.6	1.0	-0.12	3.0	18.7
26.25	5.0E-03	0.00	60.7	0.91	9	68.1	23.3	91.4	14.6	40	56.3	1.0	-0.13	3.2	19.8
26.41	5.0E-04	0.00	56.0	1.53	7	63.1	40.8	103.9	19.7	40	54.1	1.0	-0.17	6.7	27.3
26.57	5.0E-05	0.00	42.3	2.18	7	48.0	68.2	116.2	27.0	38	46.3	6.0	-0.18	10.9	29.7
26.74	5.0E-05	0.00	37.8	2.48	6	43.2	88.0	131.2	30.1	38	43.2	6.0	-0.18	12.2	29.1
26.90	5.0E-05	0.00	36.1	2.54	6	41.4	95.3	136.7	31.1	38	42.0	6.0	-0.18	12.5	28.7
27.07	5.0E-04	0.00	48.9	1.64	7	55.9	46.8	102.6	22.1	38	50.6	1.0	-0.17	7.3	25.5
27.23	5.0E-02	0.00	98.2	0.87	9	111.5	16.6	128.1	9.9	42	70.4	1.0	-0.17	1.9	23.7
[illegible] 39	5.0E-02	0.00	123.6	0.73	9	140.4	8.5	148.9	7.1	42	77.0	1.0	-0.18	1.0	28.5
[illegible]56	5.0E-02	0.00	133.7	0.78	9	152.3	8.3	160.6	6.9	44	79.3	1.0	-0.19	1.0	30.8
[illegible].72	5.0E+00	0.00	144.7	0.01	10	165.3	0.0	165.3	3.1	44	81.7	1.0	0.16	0.0	27.0
27.89	5.0E-02	0.00	126.0	0.01	10	144.6	0.0	144.6	3.5	44	77.8	1.0	0.16	0.0	28.3

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
[illegible] No: 99-0525-1349-3996
[illegible] No: 99-315
[illegible]ent: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-5
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/24/04
CPT Time: 15:06
CPT File: 315CP05.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	13.8	0.02	0.15	-0.2	6	98.7	0.01	0.01	0.00	2.00	5.3	10.6	1.10	0.00
0.33	18.0	0.04	0.22	-0.3	7	98.7	0.02	0.02	0.00	2.00	5.7	11.5	UnDef	0.08
0.49	18.7	0.06	0.32	-0.3	7	98.7	0.02	0.02	0.00	2.00	6.0	11.9	UnDef	0.08
0.66	21.9	0.03	0.14	-0.3	7	98.7	0.03	0.03	0.00	2.00	7.0	14.0	UnDef	0.09
0.82	23.7	0.03	0.13	0.0	7	98.7	0.04	0.04	0.00	2.00	7.6	15.1	UnDef	0.09
0.98	23.8	0.03	0.13	0.0	7	98.7	0.05	0.05	0.00	2.00	7.6	15.2	UnDef	0.09
[illegible]15	29.0	0.09	0.31	-0.1	7	98.7	0.06	0.06	0.00	2.00	9.3	18.5	UnDef	0.10
[illegible]1	40.4	0.16	0.40	-0.1	7	98.7	0.06	0.06	0.00	2.00	12.9	25.8	UnDef	0.12
[illegible]48	50.4	0.23	0.46	-0.2	8	101.8	0.07	0.07	0.00	2.00	12.1	24.1	UnDef	0.16
1.64	49.4	0.29	0.59	0.0	8	101.8	0.08	0.08	0.00	2.00	11.8	23.6	UnDef	0.16
1.80	39.1	0.28	0.72	0.3	7	98.7	0.09	0.09	0.00	2.00	12.5	25.0	UnDef	0.12
1.97	27.7	0.27	0.98	-0.4	7	98.7	0.10	0.10	0.00	2.00	8.9	17.7	UnDef	0.09
2.13	22.2	0.17	0.77	-0.2	6	98.7	0.11	0.11	0.00	2.00	8.5	17.0	1.76	0.09
2.30	20.9	0.23	1.10	-0.1	6	98.7	0.11	0.11	0.00	2.00	8.0	16.0	1.66	0.09
2.46	22.7	0.23	1.02	0.2	6	98.7	0.12	0.12	0.00	2.00	8.7	17.4	1.80	0.09
2.62	21.8	0.26	1.19	0.2	6	98.7	0.13	0.13	0.00	2.00	8.4	16.7	1.74	0.09
2.79	19.6	0.18	0.92	-0.2	6	98.7	0.14	0.14	0.00	2.00	7.5	15.0	1.56	0.09
2.95	17.6	0.17	0.97	-0.3	6	98.7	0.15	0.15	0.00	2.00	6.7	13.5	1.39	0.09
3.12	20.9	0.19	0.91	-0.1	6	98.7	0.15	0.15	0.00	2.00	8.0	16.0	1.66	0.09
3.28	25.0	0.23	0.92	0.1	6	98.7	0.16	0.16	0.00	2.00	9.6	19.2	1.99	0.09
3.44	23.0	0.30	1.31	0.0	6	98.7	0.17	0.17	0.00	2.00	8.8	17.6	1.83	0.09
3.61	21.7	0.34	1.57	0.1	6	98.7	0.18	0.18	0.00	2.00	8.3	16.6	1.72	0.09
3.77	20.9	0.37	1.78	1.1	6	98.7	0.19	0.19	0.00	2.00	8.0	16.0	1.66	0.09
3.94	19.8	0.39	1.97	1.8	6	98.7	0.19	0.19	0.00	2.00	7.6	15.2	1.57	0.09
4.10	17.6	0.39	2.23	-0.1	5	85.3	0.20	0.20	0.00	2.00	8.4	16.8	1.39	0.09
4.27	15.0	0.30	2.00	-2.8	5	85.3	0.21	0.21	0.00	2.00	7.2	14.4	1.18	0.09
4.43	14.2	0.28	1.98	-2.3	5	85.3	0.22	0.22	0.00	2.00	6.8	13.6	1.12	0.09
4.59	16.1	0.30	1.87	0.0	6	98.7	0.22	0.22	0.00	2.00	6.2	12.3	1.27	0.09
4.76	15.9	0.32	2.02	0.0	5	85.3	0.23	0.23	0.00	2.00	7.6	15.2	1.25	0.09
4.92	14.7	0.31	2.11	-0.4	5	85.3	0.24	0.24	0.00	2.00	7.0	14.1	1.16	0.09
5.09	12.5	0.26	2.08	-1.5	5	85.3	0.25	0.25	0.00	2.00	6.0	12.0	0.98	0.09
5.25	12.0	0.22	1.84	-5.4	5	85.3	0.25	0.25	0.00	1.99	5.7	11.4	0.94	0.09
5.41	10.9	0.21	1.94	-0.8	5	85.3	0.26	0.26	0.00	1.96	5.2	10.2	0.85	0.09
5.58	11.9	0.23	1.93	-0.4	5	85.3	0.27	0.27	0.00	1.94	5.7	11.1	0.93	0.09
5.74	13.2	0.37	2.81	-0.1	5	85.3	0.27	0.27	0.00	1.91	6.3	12.1	1.04	0.11
5.91	12.9	0.37	2.88	-2.5	5	85.3	0.28	0.28	0.00	1.89	6.2	11.7	1.01	0.11
6.07	12.6	0.38	3.01	-0.4	4	79.6	0.29	0.29	0.00	1.87	8.1	15.1	0.99	0.12
6.23	14.0	0.36	2.58	2.2	5	85.3	0.29	0.29	0.00	1.84	6.7	12.4	1.10	0.11
[illegible]40	14.2	0.34	2.40	2.6	5	85.3	0.30	0.30	0.00	1.82	6.8	12.4	1.11	0.10
[illegible]6	14.5	0.38	2.63	6.3	5	85.3	0.31	0.31	0.00	1.80	6.9	12.5	1.13	0.11
[illegible].73	16.7	0.42	2.53	10.0	5	85.3	0.31	0.31	0.00	1.78	8.0	14.2	1.31	0.11
6.89	17.5	0.39	2.23	12.4	5	85.3	0.32	0.32	0.00	1.76	8.4	14.8	1.37	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3996
CPT File: 315CP05.COR

›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	16.5	0.36	2.19	15.8	5	85.3	0.33	0.33	0.00	1.74	7.9	13.8	1.29	0.10
7.22	16.7	0.35	2.10	13.6	5	85.3	0.34	0.34	0.00	1.73	8.0	13.8	1.31	0.10
7.38	17.9	0.35	1.96	16.7	6	98.7	0.34	0.34	0.00	1.71	6.9	11.7	1.40	0.10
7.55	16.4	0.31	1.90	18.9	6	98.7	0.35	0.35	0.00	1.69	6.3	10.6	1.28	0.10
7.71	16.1	0.34	2.12	22.8	5	85.3	0.36	0.36	0.00	1.67	7.7	12.8	1.26	0.10
7.87	15.7	0.31	1.98	24.2	5	85.3	0.37	0.37	0.00	1.65	7.5	12.4	1.23	0.10
8.04	17.3	0.34	1.97	26.0	6	98.7	0.37	0.37	0.00	1.64	6.6	10.8	1.35	0.10
8.20	17.1	0.34	2.00	13.1	6	98.7	0.38	0.38	0.00	1.62	6.5	10.6	1.33	0.10
8.37	18.8	0.38	2.03	14.4	6	98.7	0.39	0.39	0.00	1.60	7.2	11.5	1.47	0.10
8.53	17.7	0.37	2.10	9.0	5	85.3	0.40	0.40	0.00	1.59	8.5	13.4	1.38	0.10
8.69	17.5	0.37	2.12	11.3	5	85.3	0.40	0.40	0.00	1.57	8.4	13.2	1.37	0.11
8.86	16.8	0.36	2.15	4.9	5	85.3	0.41	0.41	0.00	1.56	8.0	12.5	1.31	0.11
9.02	15.6	0.37	2.38	1.2	5	85.3	0.42	0.42	0.00	1.55	7.5	11.5	1.21	0.12
9.19	16.3	0.40	2.46	6.0	5	85.3	0.43	0.43	0.00	1.53	7.8	12.0	1.27	0.12
9.35	15.8	0.36	2.29	10.5	5	85.3	0.43	0.43	0.00	1.52	7.6	11.5	1.23	0.12
9.51	16.8	0.31	1.85	0.9	6	98.7	0.44	0.44	0.00	1.51	6.4	9.7	1.31	0.10
9.68	17.6	0.46	2.63	0.8	5	85.3	0.45	0.45	0.00	1.50	8.4	12.6	1.37	0.14
9.84	21.0	0.43	2.05	5.6	6	98.7	0.45	0.45	0.00	1.48	8.0	11.9	1.64	0.11
10.01	17.7	0.43	2.44	8.7	5	85.3	0.46	0.46	0.00	1.47	8.5	12.4	1.38	0.13
10.17	21.6	0.43	2.00	10.9	6	98.7	0.47	0.47	0.00	1.46	8.3	12.1	1.69	0.11
10.33	17.9	0.42	2.35	6.0	5	85.3	0.48	0.48	0.00	1.45	8.6	12.4	1.39	0.12
10.50	17.9	0.43	2.41	9.3	5	85.3	0.48	0.48	0.00	1.44	8.6	12.3	1.39	0.13
10.66	20.4	0.28	1.38	10.1	6	98.7	0.49	0.49	0.00	1.43	7.8	11.1	1.59	0.10
10.83	38.4	0.27	0.71	5.9	7	98.7	0.50	0.50	0.00	1.41	12.2	17.3	UnDef	0.10
10.99	39.7	0.24	0.61	-0.6	7	98.7	0.51	0.51	0.00	1.40	12.7	17.8	UnDef	0.10
11.15	36.0	0.33	0.92	-0.7	7	98.7	0.52	0.52	0.00	1.39	11.5	16.0	UnDef	0.10
11.32	31.5	0.47	1.50	-0.5	6	98.7	0.52	0.52	0.00	1.38	12.1	16.7	2.48	0.11
11.48	25.8	0.54	2.10	0.3	6	98.7	0.53	0.53	0.00	1.37	9.9	13.6	2.02	0.12
11.65	21.6	0.50	2.32	3.7	6	98.7	0.54	0.54	0.00	1.36	8.3	11.3	1.69	0.13
81	23.8	0.46	1.94	10.7	6	98.7	0.55	0.55	0.00	1.35	9.1	12.3	1.86	0.11
.97	30.6	0.53	1.74	16.6	6	98.7	0.56	0.56	0.00	1.34	11.7	15.7	2.40	0.11
12.14	32.8	0.57	1.74	0.4	6	98.7	0.56	0.56	0.00	1.33	12.6	16.7	2.58	0.12
12.30	40.8	0.55	1.35	1.2	7	98.7	0.57	0.57	0.00	1.32	13.0	17.2	UnDef	0.12
12.47	40.9	0.45	1.10	-0.3	7	98.7	0.58	0.58	0.00	1.31	13.1	17.1	UnDef	0.11
12.63	41.0	0.46	1.12	-0.5	7	98.7	0.59	0.59	0.00	1.30	13.1	17.1	UnDef	0.11
12.80	33.0	0.43	1.31	-0.4	7	98.7	0.60	0.60	0.00	1.29	10.5	13.6	UnDef	0.11
12.96	40.8	0.55	1.35	0.9	7	98.7	0.61	0.61	0.00	1.29	13.0	16.8	UnDef	0.12
13.12	53.1	0.67	1.26	-1.1	7	98.7	0.61	0.61	0.00	1.28	17.0	21.7	UnDef	0.14
13.29	54.7	0.75	1.37	0.1	7	98.7	0.62	0.62	0.00	1.27	17.5	22.2	UnDef	0.15
13.45	54.4	0.81	1.49	-0.3	7	98.7	0.63	0.63	0.00	1.26	17.4	21.9	UnDef	0.15
13.62	52.6	0.73	1.39	-0.5	7	98.7	0.64	0.64	0.00	1.25	16.8	21.0	UnDef	0.14
13.78	44.9	0.69	1.54	-0.4	7	98.7	0.65	0.65	0.00	1.24	14.3	17.8	UnDef	0.13
13.94	27.0	0.58	2.15	-0.5	6	98.7	0.65	0.65	0.00	1.24	10.4	12.8	2.11	0.13
14.11	26.8	0.44	1.64	0.3	6	98.7	0.66	0.66	0.00	1.23	10.3	12.6	2.09	0.11
14.27	35.1	0.64	1.83	0.4	6	98.7	0.67	0.67	0.00	1.22	13.5	16.4	2.76	0.13
14.44	37.9	0.77	2.03	-0.1	6	98.7	0.68	0.68	0.00	1.21	14.5	17.7	2.98	0.14
14.60	38.4	0.85	2.22	0.0	6	98.7	0.69	0.69	0.00	1.21	14.7	17.8	3.02	0.15
14.76	39.3	0.93	2.37	0.2	6	98.7	0.69	0.69	0.00	1.20	15.0	18.1	3.09	0.16
14.93	42.4	0.96	2.27	-0.3	6	98.7	0.70	0.70	0.00	1.19	16.2	19.4	3.34	0.16
15.09	53.3	0.86	1.62	0.4	7	98.7	0.71	0.71	0.00	1.19	17.0	20.2	UnDef	0.15
15.26	55.6	0.69	1.24	-0.4	7	98.7	0.72	0.72	0.00	1.18	17.7	20.9	UnDef	0.14
15.42	54.2	0.68	1.26	-0.5	7	98.7	0.73	0.73	0.00	1.17	17.3	20.3	UnDef	0.14
15.58	50.8	0.61	1.20	-0.1	7	98.7	0.73	0.73	0.00	1.17	16.2	18.9	UnDef	0.13
15.75	42.3	0.78	1.85	-0.1	7	98.7	0.74	0.74	0.00	1.16	13.5	15.7	UnDef	0.14
15.91	36.5	0.78	2.14	-0.2	6	98.7	0.75	0.75	0.00	1.15	14.0	16.1	2.86	0.15
16.08	32.7	0.78	2.39	1.0	6	98.7	0.76	0.76	0.00	1.15	12.5	14.4	2.56	0.17
16.24	30.4	0.79	2.61	7.1	6	98.7	0.77	0.77	0.00	1.14	11.6	13.3	2.37	0.20
16.40	31.1	0.74	2.38	8.3	6	98.7	0.78	0.78	0.00	1.14	11.9	13.6	2.43	0.17
16.57	26.0	0.66	2.55	8.9	6	98.7	0.78	0.78	0.00	1.13	9.9	11.2	2.02	0.23
16.73	25.3	0.63	2.49	10.1	6	98.7	0.79	0.79	0.00	1.12	9.7	10.9	1.96	0.23
90	26.2	0.60	2.30	10.8	6	98.7	0.80	0.80	0.00	1.12	10.0	11.2	2.03	0.19
06	26.0	0.58	2.24	12.9	6	98.7	0.81	0.81	0.00	1.11	10.0	11.1	2.01	0.18
.22	24.1	0.57	2.37	15.1	6	98.7	0.82	0.82	0.00	1.11	9.3	10.2	1.87	0.24
17.39	25.1	0.56	2.24	15.9	6	98.7	0.82	0.82	0.00	1.10	9.6	10.6	1.94	0.20

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3996
CPT File: 315CP05.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	26.7	0.56	2.10	17.5	6	98.7	0.83	0.83	0.00	1.10	10.2	11.2	2.07	0.17
17.72	28.8	0.56	1.95	17.6	6	98.7	0.84	0.84	0.00	1.09	11.0	12.0	2.23	0.15
17.88	32.4	0.62	1.92	7.5	6	98.7	0.85	0.85	0.00	1.09	12.4	13.5	2.52	0.14
18.04	31.4	0.63	2.01	3.9	6	98.7	0.86	0.86	0.00	1.08	12.0	13.0	2.45	0.15
18.21	33.6	0.55	1.64	5.3	6	98.7	0.86	0.86	0.00	1.08	12.9	13.9	2.62	0.13
18.37	35.5	0.49	1.38	5.0	7	98.7	0.87	0.87	0.00	1.07	11.3	12.1	UnDef	0.12
18.54	38.0	0.38	1.00	0.4	7	98.7	0.88	0.88	0.00	1.07	12.1	12.9	UnDef	0.11
18.70	43.3	0.34	0.79	0.3	7	98.7	0.89	0.89	0.00	1.06	13.8	14.7	UnDef	0.10
18.86	39.6	0.42	1.06	0.3	7	98.7	0.90	0.90	0.00	1.06	12.6	13.4	UnDef	0.11
19.03	31.7	0.44	1.39	0.7	6	98.7	0.90	0.90	0.00	1.05	12.1	12.8	2.46	0.11
19.19	29.1	0.45	1.55	2.6	6	98.7	0.91	0.91	0.00	1.05	11.2	11.7	2.26	0.12
19.36	32.4	0.52	1.61	2.9	6	98.7	0.92	0.92	0.00	1.04	12.4	12.9	2.52	0.13
19.52	32.1	0.60	1.87	3.1	6	98.7	0.93	0.93	0.00	1.04	12.3	12.8	2.50	0.15
19.68	28.9	0.65	2.25	5.7	6	98.7	0.94	0.94	0.00	1.03	11.1	11.4	2.24	0.22
19.85	26.9	0.58	2.16	10.9	6	98.7	0.95	0.95	0.00	1.03	10.3	10.6	2.08	0.23
20.01	25.1	0.50	2.00	18.8	6	98.7	0.95	0.95	0.00	1.02	9.6	9.8	1.93	0.22
20.18	23.8	0.41	1.73	24.3	6	98.7	0.96	0.96	0.00	1.02	9.1	9.3	1.82	0.17
20.34	23.3	0.40	1.72	28.4	6	98.7	0.97	0.97	0.00	1.02	8.9	9.1	1.79	0.18
20.51	25.6	0.39	1.53	30.3	6	98.7	0.98	0.98	0.00	1.01	9.8	9.9	1.97	0.13
20.67	29.2	0.50	1.72	31.2	6	98.7	0.99	0.99	0.00	1.01	11.2	11.3	2.26	0.15
20.83	25.6	0.47	1.84	28.8	6	98.7	0.99	0.99	0.00	1.00	9.8	9.8	1.97	0.19
21.00	21.0	0.41	1.95	31.3	6	98.7	1.00	1.00	0.00	1.00	8.1	8.1	1.60	0.18
21.16	22.1	0.36	1.64	32.1	6	98.7	1.01	1.01	0.00	1.00	8.5	8.4	1.68	0.20
21.33	23.0	0.33	1.44	33.6	6	98.7	1.02	1.02	0.00	0.99	8.8	8.7	1.76	0.15
21.49	23.4	0.34	1.46	37.5	6	98.7	1.03	1.03	0.00	0.99	8.9	8.8	1.79	0.15
21.65	24.0	0.32	1.34	40.8	6	98.7	1.03	1.03	0.00	0.98	9.2	9.0	1.83	0.13
21.82	25.0	0.35	1.40	43.3	6	98.7	1.04	1.04	0.00	0.98	9.6	9.4	1.92	0.13
21.98	23.6	0.39	1.66	44.5	6	98.7	1.05	1.05	0.00	0.98	9.0	8.8	1.80	0.21
[illegible].15	26.1	0.36	1.38	46.2	6	98.7	1.06	1.06	0.00	0.97	10.0	9.7	2.01	0.13
[illegible]31	23.8	0.43	1.81	46.1	6	98.7	1.07	1.07	0.00	0.97	9.1	8.8	1.82	0.21
[illegible].47	26.6	0.58	2.19	48.0	6	98.7	1.07	1.07	0.00	0.96	10.2	9.8	2.04	0.26
22.64	31.6	0.66	2.09	14.3	6	98.7	1.08	1.08	0.00	0.96	12.1	11.6	2.44	0.23
22.80	26.8	0.52	1.95	18.4	6	98.7	1.09	1.09	0.00	0.96	10.3	9.8	2.06	0.26
22.97	39.6	0.43	1.09	20.3	7	98.7	1.10	1.10	0.00	0.95	12.7	12.1	UnDef	0.11
23.13	48.5	0.45	0.93	1.1	7	98.7	1.11	1.11	0.00	0.95	15.5	14.7	UnDef	0.11
23.29	55.3	0.52	0.94	0.9	7	98.7	1.12	1.12	0.00	0.95	17.6	16.7	UnDef	0.12
23.46	57.2	0.69	1.21	0.5	7	98.7	1.12	1.12	0.00	0.94	18.3	17.2	UnDef	0.14
23.62	58.6	0.70	1.20	0.4	7	98.7	1.13	1.13	0.00	0.94	18.7	17.6	UnDef	0.14
23.79	58.1	0.84	1.45	0.4	7	98.7	1.14	1.14	0.00	0.94	18.5	17.4	UnDef	0.15
23.95	54.4	0.97	1.79	0.4	7	98.7	1.15	1.15	0.00	0.93	17.4	16.2	UnDef	0.17
24.11	45.2	1.04	2.31	1.1	6	98.7	1.16	1.16	0.00	0.93	17.3	16.1	3.52	0.23
24.28	46.8	1.09	2.34	2.7	6	98.7	1.16	1.16	0.00	0.93	17.9	16.6	3.65	0.24
24.44	44.9	1.03	2.30	3.6	6	98.7	1.17	1.17	0.00	0.92	17.2	15.9	3.50	0.24
24.61	43.7	0.98	2.25	3.6	6	98.7	1.18	1.18	0.00	0.92	16.7	15.4	3.40	0.23
24.77	64.1	0.88	1.38	2.7	7	98.7	1.19	1.19	0.00	0.92	20.5	18.8	UnDef	0.16
24.93	96.1	0.89	0.93	0.7	8	101.8	1.20	1.20	0.00	0.91	23.0	21.0	UnDef	0.19
25.10	147.3	0.02	0.01	0.0	9	101.8	1.20	1.20	0.00	0.91	28.2	25.7	UnDef	0.29
25.26	218.7	0.02	0.01	0.3	10	127.3	1.21	1.21	0.00	0.91	34.9	31.7	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-3996
'ob No: 99-315
ent: Stone & Webster Engineering
ojject: Private Fuel Storage Faclity
Site: CPT-5
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/24/04
CPT Time: 15:06
CPT File: 315CP05.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-05	0.00	1000.0	0.15	10	26.4	0.0	26.4	0.0	50	78.9	10.0	-0.22	0.0	10.6
0.33	5.0E-04	0.00	1000.0	0.22	10	34.5	0.0	34.5	0.0	50	76.6	1.0	-0.26	0.0	11.5
0.49	5.0E-04	0.00	769.8	0.32	10	35.8	0.0	35.8	0.0	50	71.9	1.0	-0.27	0.0	11.9
0.66	5.0E-04	0.00	675.9	0.14	10	42.0	0.0	42.0	0.0	50	72.3	1.0	-0.18	0.0	14.0
0.82	5.0E-04	0.00	584.7	0.13	10	45.4	0.0	45.4	0.0	50	71.4	1.0	-0.17	0.0	15.1
0.98	5.0E-04	0.00	489.7	0.13	10	45.6	0.0	45.6	0.0	48	68.9	1.0	-0.15	0.0	15.2
1.15	5.0E-04	0.00	510.9	0.31	10	55.5	0.0	55.5	0.0	48	72.3	1.0	-0.23	0.0	18.5
1.31	5.0E-04	0.00	623.6	0.40	10	77.5	0.0	77.5	0.0	50	79.9	1.0	-0.27	0.0	25.8
48	5.0E-03	0.00	689.8	0.46	10	96.5	0.0	96.5	0.0	50	84.5	1.0	-0.29	0.0	24.1
.64	5.0E-03	0.00	606.2	0.59	10	94.6	0.0	94.6	0.0	50	82.4	1.0	-0.30	0.0	23.6
1.80	5.0E-04	0.00	435.6	0.72	9	74.9	0.0	74.9	1.1	48	74.3	1.0	-0.29	0.0	25.0
1.97	5.0E-04	0.00	283.0	0.98	9	53.1	0.0	53.1	4.1	46	63.2	1.0	-0.28	0.0	17.7
2.13	5.0E-05	0.00	208.6	0.77	9	42.4	0.0	42.4	4.3	46	55.7	10.0	-0.23	0.0	17.0
2.30	5.0E-05	0.00	182.5	1.11	9	40.0	2.4	42.4	7.1	44	52.9	10.0	-0.26	0.6	16.6
2.46	5.0E-05	0.00	185.0	1.02	9	43.4	1.8	45.2	6.5	44	54.3	10.0	-0.25	0.4	17.8
2.62	5.0E-05	0.00	167.0	1.20	9	41.8	3.8	45.7	8.1	44	52.3	10.0	-0.25	0.9	17.7
2.79	5.0E-05	0.00	141.0	0.93	9	37.6	2.8	40.4	7.6	44	48.3	10.0	-0.21	0.7	15.7
2.95	5.0E-05	0.00	119.1	0.98	9	33.6	4.2	37.8	9.1	42	44.4	10.0	-0.20	1.0	14.5
3.12	5.0E-05	0.00	134.4	0.92	9	40.0	3.3	43.3	7.9	44	48.6	10.0	-0.21	0.8	16.8
3.28	5.0E-05	0.00	153.2	0.93	9	48.0	2.8	50.8	7.1	44	53.0	10.0	-0.22	0.7	19.9
3.44	5.0E-05	0.00	133.9	1.32	9	44.0	7.3	51.3	10.3	44	49.9	10.0	-0.24	1.7	19.3
3.61	5.0E-05	0.00	120.7	1.58	9	41.6	10.5	52.1	12.6	42	47.6	10.0	-0.25	2.4	19.0
3.77	5.0E-05	0.00	111.0	1.79	7	40.0	13.3	53.3	14.3	42	45.8	10.0	-0.26	3.0	19.0
3.94	5.0E-05	0.00	100.8	1.99	7	38.0	16.1	54.1	16.2	42	43.7	10.0	-0.26	3.5	18.7
4.10	5.0E-06	0.00	85.8	2.25	7	33.6	20.0	53.6	18.9	UnDef	UnDef	10.0	UnDef	5.1	21.9
4.27	5.0E-06	-0.01	70.7	2.03	7	28.7	19.0	47.8	19.9	UnDef	UnDef	10.0	UnDef	4.8	19.1
4.43	5.0E-06	-0.01	64.5	2.01	7	27.1	19.9	47.0	20.8	UnDef	UnDef	10.0	UnDef	4.9	18.5
4.59	5.0E-05	0.00	70.9	1.89	7	30.8	18.8	49.6	19.2	40	35.8	10.0	-0.22	3.8	16.2
4.76	5.0E-06	0.00	67.8	2.05	7	30.5	21.4	51.9	20.5	UnDef	UnDef	10.0	UnDef	5.3	20.5
4.92	5.0E-06	0.00	60.6	2.15	7	28.1	24.0	52.2	22.3	UnDef	UnDef	10.0	UnDef	5.7	19.8
5.09	5.0E-06	0.00	50.0	2.12	7	24.0	26.0	50.0	24.5	UnDef	UnDef	10.0	UnDef	5.8	17.8
5.25	5.0E-06	-0.01	46.5	1.88	7	23.0	23.8	46.8	24.1	UnDef	UnDef	6.0	UnDef	5.3	16.8
5.41	5.0E-06	0.00	40.8	1.99	7	20.8	27.8	48.5	26.4	UnDef	UnDef	6.0	UnDef	5.7	15.9
5.58	5.0E-06	0.00	43.9	1.97	7	22.7	27.0	49.7	25.4	UnDef	UnDef	6.0	UnDef	5.7	16.8
5.74	5.0E-06	0.00	47.4	2.86	6	24.7	42.9	67.7	28.8	UnDef	UnDef	6.0	UnDef	8.0	20.1
5.91	5.0E-06	-0.01	45.0	2.94	6	23.8	46.8	70.6	29.8	UnDef	UnDef	6.0	UnDef	8.3	19.9
6.07	5.0E-07	0.00	43.1	3.08	6	23.1	52.8	75.9	31.0	UnDef	UnDef	6.0	UnDef	11.6	26.7
6.23	5.0E-06	0.00	46.7	2.63	7	25.3	39.8	65.1	27.9	UnDef	UnDef	6.0	UnDef	7.7	20.0
6.40	5.0E-06	0.01	46.2	2.45	7	25.3	36.8	62.1	27.2	UnDef	UnDef	6.0	UnDef	7.3	19.7
56	5.0E-06	0.01	46.0	2.69	7	25.5	42.4	67.9	28.4	UnDef	UnDef	6.0	UnDef	8.0	20.5
73	5.0E-06	0.02	51.9	2.58	7	29.1	38.0	67.1	26.2	UnDef	UnDef	10.0	UnDef	7.8	22.0
.89	5.0E-06	0.02	53.4	2.28	7	30.2	32.6	62.7	24.4	UnDef	UnDef	10.0	UnDef	7.1	21.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3996
CPT File: 315CP05.COR

th (c)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.03	49.2	2.23	7	28.1	33.2	61.3	25.3	UnDef	UnDef	6.0	UnDef	7.0	20.8
7.22	5.0E-06	0.03	48.8	2.14	7	28.3	31.9	60.2	24.9	UnDef	UnDef	6.0	UnDef	6.9	20.7
7.38	5.0E-05	0.03	51.1	2.00	7	29.9	29.3	59.2	23.5	38	32.7	10.0	-0.19	5.2	16.9
7.55	5.0E-05	0.04	45.6	1.94	7	27.0	29.9	56.9	24.7	38	30.0	6.0	-0.17	5.2	15.8
7.71	5.0E-06	0.05	43.8	2.17	7	26.3	35.2	61.5	26.5	UnDef	UnDef	6.0	UnDef	7.2	20.0
7.87	5.0E-06	0.05	41.9	2.03	7	25.4	33.4	58.8	26.3	UnDef	UnDef	6.0	UnDef	6.9	19.3
8.04	5.0E-05	0.05	45.3	2.01	7	27.7	32.3	60.0	25.2	38	30.5	6.0	-0.17	5.5	16.4
8.20	5.0E-05	0.02	43.7	2.04	7	27.0	33.8	60.8	25.8	38	30.0	6.0	-0.17	5.6	16.2
8.37	5.0E-05	0.02	47.2	2.07	7	29.4	33.5	63.0	24.9	38	32.2	6.0	-0.18	5.8	17.3
8.53	5.0E-06	0.02	43.5	2.15	7	27.4	36.7	64.2	26.4	UnDef	UnDef	6.0	UnDef	7.5	20.9
8.69	5.0E-06	0.02	42.3	2.17	7	26.9	38.1	65.0	26.9	UnDef	UnDef	6.0	UnDef	7.6	20.8
8.86	5.0E-06	0.01	39.8	2.21	7	25.6	40.7	66.3	28.0	UnDef	UnDef	6.0	UnDef	7.8	20.3
9.02	5.0E-06	0.00	36.3	2.44	6	23.6	50.7	74.3	30.6	UnDef	UnDef	6.0	UnDef	8.6	20.1
9.19	5.0E-06	0.01	37.4	2.52	6	24.5	52.3	76.8	30.5	UnDef	UnDef	6.0	UnDef	8.9	20.9
9.35	5.0E-06	0.02	35.5	2.35	7	23.5	49.6	73.0	30.4	UnDef	UnDef	6.0	UnDef	8.5	20.0
9.51	5.0E-05	0.00	37.2	1.90	7	24.8	36.1	60.9	27.2	38	30.0	6.0	-0.15	5.7	15.4
9.68	5.0E-06	0.00	38.3	2.69	6	25.7	58.3	84.0	31.0	UnDef	UnDef	6.0	UnDef	9.6	22.2
9.84	5.0E-05	0.01	45.1	2.10	7	30.4	37.6	68.0	25.7	38	33.2	6.0	-0.18	6.3	18.2
10.01	5.0E-06	0.02	37.2	2.50	6	25.4	54.1	79.6	30.5	UnDef	UnDef	6.0	UnDef	9.2	21.7
10.17	5.0E-05	0.02	44.9	2.04	7	30.8	37.0	67.8	25.4	38	33.5	6.0	-0.18	6.2	18.3
10.33	5.0E-06	0.01	36.5	2.41	6	25.4	52.9	78.2	30.3	UnDef	UnDef	6.0	UnDef	9.1	21.5
10.50	5.0E-06	0.02	35.9	2.48	6	25.1	56.3	81.4	30.9	UnDef	UnDef	6.0	UnDef	9.4	21.7
10.66	5.0E-05	0.02	40.4	1.41	7	28.4	26.3	54.7	23.0	38	31.2	6.0	-0.13	4.8	15.9
10.83	5.0E-04	0.00	75.7	0.71	9	53.1	9.9	62.9	10.9	40	49.1	1.0	-0.13	1.9	19.2
10.99	5.0E-04	0.00	77.0	0.61	9	54.4	8.1	62.5	9.9	40	49.8	1.0	-0.12	1.6	19.3
11.15	5.0E-04	0.00	68.8	0.93	9	49.1	14.4	63.4	13.5	40	46.9	1.0	-0.15	2.6	18.6
11.32	5.0E-05	0.00	59.1	1.52	7	42.6	25.7	68.2	19.1	40	42.8	10.0	-0.18	5.1	21.8
11.48	5.0E-05	0.00	47.5	2.14	7	34.6	40.7	75.3	25.2	38	36.9	6.0	-0.19	6.9	20.5
11.65	5.0E-05	0.01	39.0	2.38	7	28.8	52.4	81.1	29.2	38	31.6	6.0	-0.18	7.6	18.9
81	5.0E-05	0.01	42.4	1.98	7	31.5	39.6	71.1	25.9	38	34.1	6.0	-0.17	6.6	18.9
.97	5.0E-05	0.02	53.9	1.77	7	40.1	32.0	72.1	21.6	40	41.1	10.0	-0.18	6.0	21.7
12.14	5.0E-05	0.00	57.1	1.77	7	42.8	31.6	74.4	20.9	40	42.9	10.0	-0.19	6.1	22.8
12.30	5.0E-04	0.00	70.2	1.37	7	52.8	22.8	75.5	16.3	40	49.0	1.0	-0.18	4.0	21.2
12.47	5.0E-04	0.00	69.5	1.12	9	52.6	18.5	71.0	14.7	40	48.8	1.0	-0.16	3.3	20.5
12.63	5.0E-04	0.00	68.6	1.14	7	52.3	19.1	71.4	15.0	40	48.7	1.0	-0.16	3.4	20.5
12.80	5.0E-04	0.00	54.2	1.33	7	41.7	24.5	66.2	18.9	40	42.2	1.0	-0.16	4.1	17.7
12.96	5.0E-04	0.00	66.4	1.37	7	51.3	23.8	75.2	16.9	40	48.2	1.0	-0.18	4.1	20.9
13.12	5.0E-04	0.00	85.6	1.28	9	66.4	20.4	86.8	13.8	42	55.5	1.0	-0.20	3.7	25.4
13.29	5.0E-04	0.00	87.1	1.39	7	68.0	22.5	90.4	14.3	42	56.2	1.0	-0.21	4.1	26.2
13.45	5.0E-04	0.00	85.4	1.51	7	67.1	25.1	92.2	15.2	42	55.9	1.0	-0.21	4.5	26.4
13.62	5.0E-04	0.00	81.4	1.41	7	64.4	23.7	88.1	15.1	42	54.7	1.0	-0.20	4.2	25.3
13.78	5.0E-04	0.00	68.5	1.56	7	54.7	28.1	82.8	17.7	40	50.0	1.0	-0.19	4.8	22.6
13.94	5.0E-05	0.00	40.3	2.20	7	32.7	50.8	83.5	27.8	38	35.2	6.0	-0.18	7.9	20.7
14.11	5.0E-05	0.00	39.5	1.69	7	32.3	37.3	69.5	25.1	38	34.9	6.0	-0.15	6.4	19.0
14.27	5.0E-05	0.00	51.4	1.86	7	42.0	37.7	79.7	22.7	38	42.4	10.0	-0.18	6.9	23.3
14.44	5.0E-05	0.00	54.9	2.07	7	45.1	41.9	87.0	23.0	40	44.4	10.0	-0.20	7.6	25.3
14.60	5.0E-05	0.00	54.9	2.26	7	45.4	46.7	92.0	24.0	40	44.6	10.0	-0.22	8.2	26.0
14.76	5.0E-05	0.00	55.6	2.42	7	46.1	50.7	96.9	24.6	40	45.1	10.0	-0.23	8.8	26.9
14.93	5.0E-05	0.00	59.4	2.31	7	49.5	47.2	96.7	23.3	40	47.1	10.0	-0.23	8.5	27.9
15.09	5.0E-04	0.00	74.1	1.64	7	61.9	30.4	92.3	17.3	40	53.5	1.0	-0.21	5.2	25.4
15.26	5.0E-04	0.00	76.3	1.26	7	64.2	22.6	86.8	14.8	40	54.6	1.0	-0.18	4.1	25.0
15.42	5.0E-04	0.00	73.5	1.28	7	62.2	23.4	85.5	15.2	40	53.7	1.0	-0.18	4.2	24.5
15.58	5.0E-04	0.00	68.1	1.22	7	58.0	23.0	81.0	15.6	40	51.6	1.0	-0.17	4.1	23.0
15.75	5.0E-04	0.00	55.9	1.88	7	48.0	39.1	87.1	21.8	40	46.2	1.0	-0.19	6.1	21.8
15.91	5.0E-05	0.00	47.6	2.19	7	41.2	49.6	90.8	25.5	38	41.9	6.0	-0.19	8.4	24.5
16.08	5.0E-05	0.00	42.1	2.45	7	36.7	61.4	98.1	28.4	38	38.6	6.0	-0.20	9.2	23.6
16.24	5.0E-05	0.01	38.6	2.67	6	33.9	75.0	108.9	30.8	38	36.3	6.0	-0.20	10.0	23.3
16.40	5.0E-05	0.01	39.2	2.44	7	34.6	64.9	99.5	29.4	38	36.9	6.0	-0.19	9.3	22.9
16.57	5.0E-05	0.01	32.2	2.63	6	28.7	88.9	117.7	33.3	36	31.5	6.0	-0.17	10.1	21.3
16.73	5.0E-05	0.01	31.0	2.57	6	27.9	90.1	118.0	33.6	36	30.7	6.0	-0.16	10.0	20.9
90	5.0E-05	0.01	31.7	2.37	6	28.6	76.0	104.6	32.2	36	31.4	6.0	-0.16	9.3	20.5
06	5.0E-05	0.02	31.2	2.31	6	28.3	74.5	102.8	32.1	36	31.1	6.0	-0.15	9.2	20.3
.22	5.0E-05	0.02	28.6	2.45	6	26.2	93.6	119.7	34.3	36	30.0	6.0	-0.15	9.8	20.0
17.39	5.0E-05	0.02	29.4	2.32	6	27.0	81.3	108.3	33.1	36	30.0	6.0	-0.15	9.4	19.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-3996
CPT File: 315CP05.COR

›th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	31.1	2.17	6	28.7	68.5	97.2	31.4	36	31.5	6.0	-0.14	8.9	20.1
17.72	5.0E-05	0.02	33.2	2.01	7	30.7	58.1	88.8	29.5	36	33.4	6.0	-0.14	8.3	20.3
17.88	5.0E-05	0.01	37.2	1.97	7	34.4	52.6	87.0	27.7	38	36.7	6.0	-0.15	8.2	21.7
18.04	5.0E-05	0.00	35.7	2.06	7	33.3	57.6	90.9	28.7	38	35.7	6.0	-0.16	8.6	21.6
18.21	5.0E-05	0.01	37.9	1.68	7	35.4	43.4	78.8	25.6	38	37.5	6.0	-0.14	7.3	21.1
18.37	5.0E-04	0.00	39.7	1.42	7	37.2	35.5	72.7	23.3	38	38.9	1.0	-0.13	5.3	17.5
18.54	5.0E-04	0.00	42.2	1.03	7	39.6	25.3	65.0	19.6	38	40.8	1.0	-0.11	4.2	17.1
18.70	5.0E-04	0.00	47.7	0.80	7	45.0	19.3	64.3	16.3	38	44.4	1.0	-0.10	3.4	18.1
18.86	5.0E-04	0.00	43.2	1.09	7	40.9	26.7	67.7	19.8	38	41.7	1.0	-0.11	4.4	17.7
19.03	5.0E-05	0.00	34.0	1.43	7	32.6	39.4	72.0	25.5	36	35.2	6.0	-0.12	6.6	19.4
19.19	5.0E-05	0.00	30.9	1.60	7	29.8	47.5	77.4	28.0	36	32.6	6.0	-0.12	7.3	19.0
19.36	5.0E-05	0.00	34.2	1.66	7	33.0	46.6	79.7	26.9	36	35.5	6.0	-0.13	7.5	20.4
19.52	5.0E-05	0.00	33.6	1.93	7	32.6	57.2	89.8	28.8	36	35.2	6.0	-0.14	8.5	21.2
19.68	5.0E-05	0.01	29.8	2.33	6	29.2	86.0	115.2	33.0	36	32.0	6.0	-0.15	10.0	21.4
19.85	5.0E-05	0.01	27.5	2.24	6	27.1	89.5	116.6	33.7	36	30.0	6.0	-0.13	9.8	20.4
20.01	5.0E-05	0.02	25.3	2.08	6	25.1	89.0	114.1	34.2	34	30.0	6.0	-0.12	9.4	19.2
20.18	5.0E-05	0.03	23.7	1.80	6	23.7	76.3	100.0	33.6	34	30.0	6.0	-0.10	8.5	17.8
20.34	5.0E-05	0.04	23.1	1.79	6	23.2	79.3	102.5	34.0	34	30.0	6.0	-0.09	8.5	17.6
20.51	5.0E-05	0.04	25.1	1.59	7	25.3	58.6	83.9	31.2	34	30.0	6.0	-0.09	7.7	17.6
20.67	5.0E-05	0.03	28.6	1.78	7	28.8	60.2	89.0	30.3	36	31.6	6.0	-0.11	8.3	19.5
20.83	5.0E-05	0.04	24.7	1.92	6	25.1	81.2	106.3	33.6	34	30.0	6.0	-0.11	9.0	18.8
21.00	5.0E-05	0.05	20.0	2.05	6	20.6	82.3	102.8	38.1	34	30.0	6.0	-0.09	8.1	16.1
21.16	5.0E-05	0.05	20.8	1.71	6	21.5	85.9	107.4	35.2	34	30.0	6.0	-0.08	8.4	16.8
21.33	5.0E-05	0.05	21.6	1.50	7	22.3	66.6	88.9	33.0	34	30.0	6.0	-0.07	7.7	16.4
21.49	5.0E-05	0.05	21.8	1.53	7	22.6	67.8	90.3	33.1	34	30.0	6.0	-0.07	7.8	16.6
21.65	5.0E-05	0.06	22.2	1.40	7	23.1	58.3	81.4	31.8	34	30.0	6.0	-0.07	7.3	16.4
21.82	5.0E-05	0.06	23.0	1.46	7	24.0	59.8	83.7	31.7	34	30.0	6.0	-0.07	7.6	16.9
21.98	5.0E-05	0.06	21.5	1.73	6	22.5	88.0	110.5	34.8	34	30.0	6.0	-0.08	8.7	17.6
[illegible].15	5.0E-05	0.06	23.7	1.44	7	24.9	56.6	81.5	31.0	34	30.0	6.0	-0.07	7.5	17.2
31	5.0E-05	0.06	21.3	1.90	6	22.5	90.2	112.7	36.0	34	30.0	6.0	-0.09	8.8	17.7
[illegible].47	5.0E-05	0.06	23.8	2.28	6	25.1	100.5	125.6	36.4	34	30.0	6.0	-0.11	9.8	19.7
22.64	5.0E-05	0.01	28.2	2.17	6	29.7	87.3	117.1	32.9	36	32.5	6.0	-0.13	10.2	21.8
22.80	5.0E-05	0.02	23.6	2.03	6	25.1	100.4	125.5	35.1	34	30.0	6.0	-0.11	9.8	19.7
22.97	5.0E-04	0.02	35.1	1.12	7	37.0	33.2	70.2	22.7	38	38.8	1.0	-0.10	5.1	17.1
23.13	5.0E-04	0.00	42.8	0.95	7	45.1	26.4	71.5	18.8	38	44.5	1.0	-0.10	4.4	19.1
23.29	5.0E-04	0.00	48.5	0.96	7	51.2	25.4	76.6	17.4	38	48.1	1.0	-0.12	4.4	21.1
23.46	5.0E-04	0.00	49.9	1.23	7	52.8	32.0	84.8	19.1	38	49.0	1.0	-0.14	5.3	22.5
23.62	5.0E-04	0.00	50.8	1.22	7	54.0	31.6	85.5	18.8	38	49.6	1.0	-0.14	5.3	22.9
23.79	5.0E-04	0.00	50.0	1.48	7	53.2	38.7	92.0	20.8	38	49.2	1.0	-0.16	6.2	23.6
23.95	5.0E-04	0.00	46.4	1.83	7	49.7	50.1	99.8	23.8	38	47.2	1.0	-0.17	7.4	23.6
24.11	5.0E-05	0.00	38.1	2.37	7	41.1	77.4	118.5	29.5	38	41.8	6.0	-0.18	11.1	27.2
24.28	5.0E-05	0.00	39.2	2.40	7	42.4	77.3	119.7	29.2	38	42.7	6.0	-0.18	11.3	27.9
24.44	5.0E-05	0.00	37.3	2.36	7	40.6	78.6	119.2	29.7	38	41.4	6.0	-0.18	11.2	27.1
24.61	5.0E-05	0.00	36.0	2.31	7	39.3	78.8	118.2	30.0	38	40.5	6.0	-0.17	11.0	26.4
24.77	5.0E-04	0.00	52.9	1.40	7	57.5	36.7	94.2	19.6	40	51.4	1.0	-0.16	6.0	24.8
24.93	5.0E-03	0.00	79.3	0.94	9	86.0	20.5	106.5	12.2	42	62.9	1.0	-0.16	2.9	23.9
25.10	5.0E-02	0.00	121.3	0.01	10	131.3	0.0	131.3	3.2	42	75.1	1.0	0.15	0.0	25.7
25.26	5.0E+00	0.00	179.1	0.01	10	194.2	0.0	194.2	2.3	44	86.3	1.0	0.15	0.0	31.7

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4034
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-6
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 15:44
CPT File: 315CP06.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	15.0	0.02	0.13	0.3	6	98.7	0.01	0.01	0.00	2.00	5.8	11.5	1.20	0.00
0.33	30.6	0.02	0.07	0.5	7	98.7	0.02	0.02	0.00	2.00	9.8	19.5	UnDef	0.10
0.49	45.2	0.18	0.40	0.4	8	101.8	0.02	0.02	0.00	2.00	10.8	21.6	UnDef	0.14
0.66	46.4	0.60	1.30	0.2	7	98.7	0.03	0.03	0.00	2.00	14.8	29.6	UnDef	0.15
0.82	40.5	0.85	2.10	0.4	6	98.7	0.04	0.04	0.00	2.00	15.5	31.0	3.24	0.00
0.98	34.3	1.16	3.39	-0.5	5	85.3	0.05	0.05	0.00	2.00	16.4	32.8	2.74	0.00
1.15	29.8	0.68	2.29	-1.8	6	98.7	0.06	0.06	0.00	2.00	11.4	22.8	2.38	0.00
31	24.9	0.41	1.65	-0.6	6	98.7	0.06	0.06	0.00	2.00	9.5	19.1	1.99	0.09
1.48	19.9	0.27	1.36	-1.3	6	98.7	0.07	0.07	0.00	2.00	7.6	15.2	1.58	0.09
1.64	17.4	0.22	1.26	-0.8	6	98.7	0.08	0.08	0.00	2.00	6.7	13.4	1.39	0.08
1.80	15.7	0.13	0.83	-0.2	6	98.7	0.09	0.09	0.00	2.00	6.0	12.0	1.25	0.08
1.97	14.3	0.04	0.28	-0.2	6	98.7	0.10	0.10	0.00	2.00	5.5	11.0	1.14	0.00
2.13	17.1	0.02	0.12	0.1	7	98.7	0.10	0.10	0.00	2.00	5.5	10.9	UnDef	0.08
2.30	23.6	0.08	0.34	0.1	7	98.7	0.11	0.11	0.00	2.00	7.5	15.1	UnDef	0.09
2.46	23.4	0.09	0.39	0.2	7	98.7	0.12	0.12	0.00	2.00	7.5	14.9	UnDef	0.09
2.62	22.5	0.12	0.54	-0.1	7	98.7	0.13	0.13	0.00	2.00	7.2	14.4	UnDef	0.09
2.79	20.6	0.16	0.78	0.2	6	98.7	0.14	0.14	0.00	2.00	7.9	15.8	1.64	0.09
2.95	20.4	0.19	0.93	0.3	6	98.7	0.14	0.14	0.00	2.00	7.8	15.6	1.62	0.09
3.12	19.5	0.20	1.03	0.5	6	98.7	0.15	0.15	0.00	2.00	7.5	15.0	1.55	0.09
3.28	17.4	0.13	0.75	-0.4	6	98.7	0.16	0.16	0.00	2.00	6.7	13.4	1.38	0.08
3.44	15.4	0.09	0.59	-0.2	6	98.7	0.17	0.17	0.00	2.00	5.9	11.8	1.22	0.08
3.61	15.2	0.05	0.33	-0.4	6	98.7	0.18	0.18	0.00	2.00	5.8	11.6	1.20	0.00
3.77	16.5	0.11	0.67	-0.5	6	98.7	0.19	0.19	0.00	2.00	6.3	12.6	1.30	0.08
3.94	18.4	0.14	0.76	-0.3	6	98.7	0.19	0.19	0.00	2.00	7.0	14.1	1.46	0.09
4.10	16.7	0.07	0.42	-0.5	6	98.7	0.20	0.20	0.00	2.00	6.4	12.8	1.32	0.08
4.27	15.3	0.07	0.46	-1.2	6	98.7	0.21	0.21	0.00	2.00	5.8	11.7	1.20	0.00
4.43	15.1	0.06	0.40	-1.4	6	98.7	0.22	0.22	0.00	2.00	5.8	11.6	1.19	0.00
4.59	16.3	0.07	0.43	-1.0	6	98.7	0.23	0.23	0.00	2.00	6.2	12.5	1.28	0.08
4.76	18.4	0.09	0.49	-1.0	6	98.7	0.23	0.23	0.00	2.00	7.0	14.1	1.45	0.08
4.92	17.8	0.13	0.73	-1.0	6	98.7	0.24	0.24	0.00	2.00	6.8	13.6	1.40	0.09
5.09	17.9	0.17	0.95	-0.9	6	98.7	0.25	0.25	0.00	2.00	6.9	13.8	1.42	0.09
5.25	18.5	0.19	1.03	-0.5	6	98.7	0.26	0.26	0.00	1.97	7.1	13.9	1.46	0.09
5.41	20.2	0.24	1.19	0.2	6	98.7	0.27	0.27	0.00	1.94	7.7	15.0	1.59	0.09
5.58	19.7	0.42	2.14	3.2	6	98.7	0.27	0.27	0.00	1.91	7.5	14.4	1.55	0.10
5.74	21.9	0.32	1.46	4.9	6	98.7	0.28	0.28	0.00	1.88	8.4	15.8	1.73	0.10
5.91	22.6	0.37	1.64	1.7	6	98.7	0.29	0.29	0.00	1.86	8.7	16.1	1.79	0.10
6.07	23.2	0.33	1.43	1.1	6	98.7	0.30	0.30	0.00	1.83	8.9	16.3	1.83	0.10
6.23	21.5	0.35	1.63	1.6	6	98.7	0.31	0.31	0.00	1.81	8.2	14.9	1.69	0.10
6.40	21.0	0.28	1.34	3.8	6	98.7	0.31	0.31	0.00	1.78	8.0	14.3	1.65	0.09
56	20.4	0.28	1.38	4.8	6	98.7	0.32	0.32	0.00	1.76	7.8	13.8	1.61	0.09
6.73	21.2	0.29	1.37	6.4	6	98.7	0.33	0.33	0.00	1.74	8.1	14.1	1.67	0.09
6.89	22.5	0.34	1.51	7.2	6	98.7	0.34	0.34	0.00	1.72	8.6	14.8	1.77	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4034
CPT File: 315CP06.COR

›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	27.0	0.39	1.45	9.0	6	98.7	0.35	0.35	0.00	1.70	10.3	17.6	2.13	0.10
7.22	27.6	0.46	1.67	8.6	6	98.7	0.36	0.36	0.00	1.68	10.6	17.7	2.18	0.11
7.38	27.6	0.49	1.78	9.4	6	98.7	0.36	0.36	0.00	1.66	10.6	17.5	2.18	0.11
7.55	27.5	0.47	1.71	10.0	6	98.7	0.37	0.37	0.00	1.64	10.5	17.3	2.17	0.11
7.71	25.1	0.43	1.71	10.1	6	98.7	0.38	0.38	0.00	1.62	9.6	15.6	1.98	0.10
7.87	24.0	0.38	1.59	10.5	6	98.7	0.39	0.39	0.00	1.61	9.2	14.8	1.89	0.10
8.04	25.2	0.35	1.39	11.0	6	98.7	0.40	0.40	0.00	1.59	9.6	15.3	1.98	0.10
8.20	22.7	0.31	1.37	10.6	6	98.7	0.40	0.40	0.00	1.57	8.7	13.7	1.79	0.10
8.37	22.3	0.25	1.12	10.7	6	98.7	0.41	0.41	0.00	1.56	8.5	13.3	1.75	0.09
8.53	20.6	0.27	1.31	10.8	6	98.7	0.42	0.42	0.00	1.54	7.9	12.2	1.62	0.09
8.69	22.5	0.32	1.42	10.9	6	98.7	0.43	0.43	0.00	1.53	8.6	13.2	1.77	0.10
8.86	23.9	0.40	1.68	11.7	6	98.7	0.44	0.44	0.00	1.51	9.1	13.9	1.88	0.10
9.02	25.7	0.34	1.33	11.9	6	98.7	0.44	0.44	0.00	1.50	9.8	14.8	2.02	0.10
9.19	31.6	0.35	1.11	1.4	7	98.7	0.45	0.45	0.00	1.49	10.1	15.0	UnDef	0.10
9.35	24.6	0.35	1.43	1.2	6	98.7	0.46	0.46	0.00	1.47	9.4	13.9	1.93	0.10
9.51	28.5	0.33	1.16	2.0	6	98.7	0.47	0.47	0.00	1.46	10.9	16.0	2.24	0.10
9.68	32.1	0.25	0.78	1.9	7	98.7	0.48	0.48	0.00	1.45	10.3	14.9	UnDef	0.10
9.84	31.2	0.18	0.58	1.3	7	98.7	0.48	0.48	0.00	1.44	10.0	14.3	UnDef	0.09
10.01	43.9	0.15	0.34	1.1	8	101.8	0.49	0.49	0.00	1.42	10.5	15.0	UnDef	0.10
10.17	38.8	0.20	0.52	0.9	7	98.7	0.50	0.50	0.00	1.41	12.4	17.5	UnDef	0.10
10.33	35.8	0.25	0.70	0.8	7	98.7	0.51	0.51	0.00	1.40	11.4	16.0	UnDef	0.10
10.50	32.5	0.32	0.99	0.6	7	98.7	0.52	0.52	0.00	1.39	10.4	14.4	UnDef	0.10
10.66	34.8	0.32	0.92	0.6	7	98.7	0.53	0.53	0.00	1.38	11.1	15.3	UnDef	0.10
10.83	37.8	0.22	0.58	0.6	7	98.7	0.53	0.53	0.00	1.37	12.1	16.5	UnDef	0.10
10.99	42.1	0.27	0.64	0.6	7	98.7	0.54	0.54	0.00	1.36	13.4	18.3	UnDef	0.11
11.15	42.3	0.28	0.66	0.5	7	98.7	0.55	0.55	0.00	1.35	13.5	18.2	UnDef	0.11
11.32	43.4	0.35	0.81	0.5	7	98.7	0.56	0.56	0.00	1.34	13.9	18.6	UnDef	0.11
11.48	45.8	0.27	0.59	0.5	7	98.7	0.57	0.57	0.00	1.33	14.6	19.4	UnDef	0.11
11.65	41.6	0.22	0.53	0.4	7	98.7	0.57	0.57	0.00	1.32	13.3	17.5	UnDef	0.10
81	37.1	0.31	0.84	0.0	7	98.7	0.58	0.58	0.00	1.31	11.8	15.5	UnDef	0.10
.97	30.5	0.45	1.48	-0.1	6	98.7	0.59	0.59	0.00	1.30	11.7	15.2	2.40	0.11
12.14	27.7	0.48	1.74	0.5	6	98.7	0.60	0.60	0.00	1.29	10.6	13.7	2.16	0.11
12.30	28.7	0.48	1.68	1.2	6	98.7	0.61	0.61	0.00	1.28	11.0	14.1	2.25	0.11
12.47	32.0	0.48	1.50	3.7	6	98.7	0.61	0.61	0.00	1.28	12.3	15.7	2.51	0.11
12.63	28.8	0.42	1.46	4.2	6	98.7	0.62	0.62	0.00	1.27	11.0	14.0	2.25	0.11
12.80	37.9	0.33	0.87	5.7	7	98.7	0.63	0.63	0.00	1.26	12.1	15.2	UnDef	0.10
12.96	43.3	0.52	1.20	4.9	7	98.7	0.64	0.64	0.00	1.25	13.8	17.3	UnDef	0.12
13.12	33.8	0.49	1.46	4.1	6	98.7	0.65	0.65	0.00	1.24	12.9	16.1	2.65	0.11
13.29	27.1	0.58	2.15	4.1	6	98.7	0.65	0.65	0.00	1.24	10.4	12.8	2.12	0.13
13.45	34.8	0.54	1.56	4.3	6	98.7	0.66	0.66	0.00	1.23	13.3	16.4	2.73	0.12
13.62	34.8	0.52	1.50	3.8	7	98.7	0.67	0.67	0.00	1.22	11.1	13.6	UnDef	0.11
13.78	36.6	0.60	1.65	3.7	6	98.7	0.68	0.68	0.00	1.21	14.0	17.0	2.87	0.12
13.94	35.5	0.49	1.38	3.5	7	98.7	0.69	0.69	0.00	1.21	11.3	13.7	UnDef	0.11
14.11	40.7	0.56	1.38	3.2	7	98.7	0.70	0.70	0.00	1.20	13.0	15.6	UnDef	0.12
14.27	39.7	0.43	1.09	2.4	7	98.7	0.70	0.70	0.00	1.19	12.7	15.1	UnDef	0.11
14.44	44.0	0.43	0.98	2.5	7	98.7	0.71	0.71	0.00	1.19	14.0	16.6	UnDef	0.11
14.60	44.0	0.32	0.73	1.9	7	98.7	0.72	0.72	0.00	1.18	14.1	16.6	UnDef	0.11
14.76	41.7	0.37	0.89	1.8	7	98.7	0.73	0.73	0.00	1.17	13.3	15.6	UnDef	0.11
14.93	37.7	0.53	1.41	1.6	7	98.7	0.74	0.74	0.00	1.17	12.0	14.0	UnDef	0.12
15.09	31.8	0.52	1.64	1.8	6	98.7	0.74	0.74	0.00	1.16	12.2	14.1	2.48	0.12
15.26	30.7	0.50	1.63	1.9	6	98.7	0.75	0.75	0.00	1.15	11.8	13.6	2.39	0.12
15.42	28.5	0.57	2.00	2.6	6	98.7	0.76	0.76	0.00	1.15	10.9	12.5	2.22	0.14
15.58	26.9	0.48	1.79	2.8	6	98.7	0.77	0.77	0.00	1.14	10.3	11.8	2.09	0.13
15.75	31.1	0.47	1.52	5.8	6	98.7	0.78	0.78	0.00	1.14	11.9	13.5	2.42	0.11
15.91	26.7	0.37	1.39	5.3	6	98.7	0.78	0.78	0.00	1.13	10.2	11.5	2.07	0.11
16.08	22.6	0.31	1.38	5.9	6	98.7	0.79	0.79	0.00	1.12	8.7	9.7	1.74	0.11
16.24	23.4	0.23	0.99	6.3	6	98.7	0.80	0.80	0.00	1.12	9.0	10.0	1.81	0.10
16.40	23.5	0.23	0.98	6.7	6	98.7	0.81	0.81	0.00	1.11	9.0	10.0	1.81	0.10
16.57	26.4	0.27	1.03	7.1	6	98.7	0.82	0.82	0.00	1.11	10.1	11.2	2.04	0.10
16.73	26.4	0.30	1.14	7.5	6	98.7	0.82	0.82	0.00	1.10	10.1	11.1	2.04	0.10
90	28.9	0.35	1.21	7.9	6	98.7	0.83	0.83	0.00	1.10	11.1	12.1	2.25	0.10
06	29.8	0.31	1.04	8.5	7	98.7	0.84	0.84	0.00	1.09	9.5	10.4	UnDef	0.10
.22	41.8	0.21	0.50	8.9	7	98.7	0.85	0.85	0.00	1.09	13.4	14.5	UnDef	0.10
17.39	40.5	0.20	0.50	6.5	7	98.7	0.86	0.86	0.00	1.08	12.9	14.0	UnDef	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4034
CPT File: 315CP06.COR

th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	35.7	0.25	0.70	4.5	7	98.7	0.87	0.87	0.00	1.08	11.4	12.3	UnDef	0.10
17.72	29.5	0.34	1.16	3.3	7	98.7	0.87	0.87	0.00	1.07	9.4	10.1	UnDef	0.10
17.88	27.7	0.39	1.41	2.8	6	98.7	0.88	0.88	0.00	1.07	10.6	11.3	2.15	0.11
18.04	27.4	0.37	1.35	3.6	6	98.7	0.89	0.89	0.00	1.06	10.5	11.1	2.12	0.11
18.21	26.9	0.39	1.45	7.9	6	98.7	0.90	0.90	0.00	1.06	10.3	10.9	2.08	0.12
18.37	26.3	0.41	1.56	14.0	6	98.7	0.91	0.91	0.00	1.05	10.1	10.6	2.03	0.13
18.54	25.4	0.36	1.42	16.8	6	98.7	0.91	0.91	0.00	1.05	9.7	10.2	1.96	0.12
18.70	24.7	0.75	3.04	18.2	5	85.3	0.92	0.92	0.00	1.04	11.8	12.3	1.91	0.27
18.86	23.6	0.67	2.85	19.6	5	85.3	0.93	0.93	0.00	1.04	11.3	11.7	1.81	0.24
19.03	28.5	0.56	1.97	21.3	6	98.7	0.94	0.94	0.00	1.03	10.9	11.3	2.20	0.17
19.19	27.0	0.52	1.93	16.5	6	98.7	0.94	0.94	0.00	1.03	10.3	10.6	2.08	0.17
19.36	28.4	0.45	1.59	17.5	6	98.7	0.95	0.95	0.00	1.02	10.9	11.1	2.19	0.13
19.52	22.6	0.34	1.51	16.9	6	98.7	0.96	0.96	0.00	1.02	8.6	8.8	1.73	0.14
19.68	22.9	0.26	1.14	17.5	6	98.7	0.97	0.97	0.00	1.02	8.8	8.9	1.76	0.11
19.85	22.7	0.22	0.97	18.1	6	98.7	0.98	0.98	0.00	1.01	8.7	8.8	1.74	0.10
20.01	23.5	0.25	1.07	19.1	6	98.7	0.98	0.98	0.00	1.01	9.0	9.1	1.80	0.11
20.18	26.0	0.24	0.93	20.0	7	98.7	0.99	0.99	0.00	1.00	8.3	8.3	UnDef	0.10
20.34	24.8	0.22	0.89	21.2	7	98.7	1.00	1.00	0.00	1.00	7.9	7.9	UnDef	0.10
20.51	25.0	0.20	0.80	21.8	7	98.7	1.01	1.01	0.00	1.00	8.0	7.9	UnDef	0.10
20.67	24.6	0.19	0.77	22.7	7	98.7	1.02	1.02	0.00	0.99	7.9	7.8	UnDef	0.09
20.83	24.0	0.21	0.88	23.2	6	98.7	1.02	1.02	0.00	0.99	9.2	9.1	1.84	0.10
21.00	26.7	0.27	1.01	24.1	7	98.7	1.03	1.03	0.00	0.98	8.5	8.4	UnDef	0.10
21.16	26.7	0.33	1.24	24.6	6	98.7	1.04	1.04	0.00	0.98	10.2	10.0	2.05	0.12
21.33	28.5	0.38	1.33	25.3	6	98.7	1.05	1.05	0.00	0.98	10.9	10.7	2.20	0.12
21.49	31.4	0.31	0.99	25.6	7	98.7	1.06	1.06	0.00	0.97	10.0	9.8	UnDef	0.10
21.65	44.1	0.28	0.64	25.1	7	98.7	1.07	1.07	0.00	0.97	14.1	13.6	UnDef	0.10
21.82	59.5	0.21	0.35	9.1	8	101.8	1.07	1.07	0.00	0.97	14.2	13.7	UnDef	0.10
21.98	63.0	0.25	0.40	4.1	8	101.8	1.08	1.08	0.00	0.96	15.1	14.5	UnDef	0.10
22.15	60.2	0.46	0.77	3.0	8	101.8	1.09	1.09	0.00	0.96	14.4	13.8	UnDef	0.12
31	61.9	0.91	1.47	-0.4	7	98.7	1.10	1.10	0.00	0.95	19.8	18.9	UnDef	0.16
.47	50.3	1.07	2.13	0.1	6	98.7	1.11	1.11	0.00	0.95	19.3	18.3	3.94	0.20
22.64	43.5	1.11	2.56	0.5	6	98.7	1.11	1.11	0.00	0.95	16.7	15.8	3.39	0.28
22.80	44.2	0.75	1.70	0.9	7	98.7	1.12	1.12	0.00	0.94	14.1	13.3	UnDef	0.15
22.97	53.0	0.56	1.06	0.5	7	98.7	1.13	1.13	0.00	0.94	16.9	15.9	UnDef	0.12
23.13	65.4	0.46	0.70	-0.8	8	101.8	1.14	1.14	0.00	0.94	15.7	14.7	UnDef	0.12
23.29	82.9	0.41	0.50	-0.6	8	101.8	1.15	1.15	0.00	0.93	19.9	18.5	UnDef	0.14
23.46	114.2	0.68	0.60	-0.4	9	101.8	1.16	1.16	0.00	0.93	21.9	20.3	UnDef	0.21
23.62	134.3	0.85	0.63	-0.4	9	101.8	1.16	1.16	0.00	0.93	25.7	23.8	UnDef	0.28
23.79	163.3	1.01	0.62	-0.3	9	101.8	1.17	1.17	0.00	0.92	31.3	28.9	UnDef	0.39
23.95	198.4	1.26	0.64	0.0	9	101.8	1.18	1.18	0.00	0.92	38.0	35.0	UnDef	0.00
24.11	271.2	0.02	0.01	0.2	10	127.3	1.19	1.19	0.00	0.92	43.3	39.7	UnDef	0.00
24.28	324.3	0.02	0.01	0.3	10	127.3	1.20	1.20	0.00	0.91	51.8	47.2	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4034
'ob No: 99-315
ent: Stone & Webster Engineering
oject: Private Fuel Storage Faclity
Site: CPT-6
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/24/04
CPT Time: 15:44
CPT File: 315CP06.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-05	0.00	1000.0	0.13	10	28.8	0.0	28.8	0.0	50	81.3	10.0	-0.22	0.0	11.5
0.33	5.0E-04	0.00	1000.0	0.07	10	58.6	0.0	58.6	0.0	50	91.8	1.0	-0.16	0.0	19.5
0.49	5.0E-03	0.00	1000.0	0.40	10	86.5	0.0	86.5	0.0	50	95.0	1.0	-0.31	0.0	21.6
0.66	5.0E-04	0.00	1000.0	1.30	9	88.8	0.0	88.8	1.7	50	93.7	1.0	-0.44	0.0	29.6
0.82	5.0E-05	0.00	993.5	2.11	12	77.6	UnDef	UnDef	0.0	50	86.6	10.0	-0.52	UnDef	UnDef
0.98	5.0E-06	0.00	709.6	3.39	12	65.7	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.15	5.0E-05	0.00	532.3	2.29	12	57.0	UnDef	UnDef	0.0	48	73.3	10.0	-0.47	UnDef	UnDef
1.31	5.0E-05	0.00	388.8	1.65	9	47.7	1.1	48.8	5.9	48	66.2	10.0	-0.38	0.3	19.4
48	5.0E-05	0.00	274.9	1.37	9	38.0	1.2	39.3	6.2	46	58.0	10.0	-0.32	0.3	15.5
.64	5.0E-05	0.00	216.7	1.27	9	33.4	1.8	35.2	7.0	46	52.8	10.0	-0.29	0.5	13.8
1.80	5.0E-05	0.00	177.2	0.83	9	30.1	0.5	30.6	5.6	44	48.4	10.0	-0.22	0.1	12.2
1.97	5.0E-05	0.00	147.6	0.28	9	27.4	0.0	27.4	2.3	44	44.5	10.0	-0.11	0.0	11.0
2.13	5.0E-04	0.00	163.1	0.12	10	32.8	0.0	32.8	0.3	44	48.5	1.0	-0.05	0.0	10.9
2.30	5.0E-04	0.00	208.7	0.34	9	45.2	0.0	45.2	1.2	46	56.6	1.0	-0.16	0.0	15.1
2.46	5.0E-04	0.00	192.9	0.39	9	44.8	0.0	44.8	2.0	44	55.3	1.0	-0.16	0.0	14.9
2.62	5.0E-04	0.00	173.8	0.54	9	43.1	0.0	43.1	3.6	44	53.3	1.0	-0.18	0.0	14.4
2.79	5.0E-05	0.00	149.9	0.78	9	39.5	1.4	40.9	6.3	44	49.9	10.0	-0.20	0.3	16.1
2.95	5.0E-05	0.00	139.7	0.94	9	39.0	3.1	42.1	7.8	44	48.8	10.0	-0.21	0.8	16.4
3.12	5.0E-05	0.00	126.8	1.03	9	37.4	4.5	42.0	9.0	44	46.8	10.0	-0.21	1.1	16.1
3.28	5.0E-05	0.00	107.3	0.75	9	33.4	3.3	36.7	8.3	42	42.8	10.0	-0.17	0.8	14.2
3.44	5.0E-05	0.00	90.0	0.59	9	29.5	2.9	32.4	8.4	42	38.5	10.0	-0.13	0.7	12.5
3.61	5.0E-05	0.00	84.8	0.33	9	29.1	0.0	29.1	5.0	42	37.5	10.0	-0.08	0.0	11.6
3.77	5.0E-05	0.00	87.9	0.68	9	31.6	4.1	35.6	9.3	42	39.1	10.0	-0.14	1.0	13.6
3.94	5.0E-05	0.00	94.1	0.77	9	35.2	4.8	40.0	9.5	42	41.7	10.0	-0.16	1.1	15.2
4.10	5.0E-05	0.00	82.1	0.42	9	32.1	0.0	32.1	5.0	42	38.4	10.0	-0.10	0.0	12.8
4.27	5.0E-05	0.00	71.8	0.47	9	29.2	0.0	29.2	5.0	40	35.2	10.0	-0.09	0.0	11.7
4.43	5.0E-05	0.00	68.5	0.40	9	29.0	0.0	29.0	5.0	40	34.4	10.0	-0.08	0.0	11.6
4.59	5.0E-05	0.00	71.1	0.44	9	31.2	0.0	31.2	5.0	40	36.0	10.0	-0.09	0.0	12.5
4.76	5.0E-05	0.00	77.6	0.50	9	35.2	0.0	35.2	5.0	40	38.9	10.0	-0.10	0.0	14.1
4.92	5.0E-05	0.00	72.4	0.74	9	34.0	7.2	41.2	11.5	40	37.5	10.0	-0.13	1.7	15.3
5.09	5.0E-05	0.00	70.8	0.96	9	34.4	10.0	44.4	13.4	40	37.3	10.0	-0.15	2.3	16.0
5.25	5.0E-05	0.00	70.5	1.05	9	35.4	11.3	46.7	14.1	40	37.6	10.0	-0.16	2.5	16.4
5.41	5.0E-05	0.00	74.8	1.21	7	38.3	13.2	51.5	14.6	40	39.8	10.0	-0.18	2.9	17.9
5.58	5.0E-05	0.01	70.8	2.17	7	36.8	26.2	63.0	20.6	40	38.6	10.0	-0.24	5.1	19.5
5.74	5.0E-05	0.01	76.7	1.48	7	40.4	17.0	57.4	16.1	40	41.3	10.0	-0.20	3.6	19.4
5.91	5.0E-05	0.00	76.9	1.66	7	41.1	19.6	60.6	17.1	40	41.8	10.0	-0.21	4.1	20.1
6.07	5.0E-05	0.00	76.7	1.45	7	41.5	17.0	58.5	15.9	40	42.1	10.0	-0.20	3.6	19.9
6.23	5.0E-05	0.00	69.0	1.66	7	37.9	20.6	58.5	18.2	40	39.5	10.0	-0.20	4.2	19.0
6.40	5.0E-05	0.01	65.6	1.36	7	36.6	17.1	53.7	16.9	40	38.4	10.0	-0.18	3.6	17.9
56	5.0E-05	0.01	62.2	1.40	7	35.1	18.1	53.3	17.7	40	37.3	10.0	-0.17	3.7	17.5
73	5.0E-05	0.01	63.0	1.39	7	36.0	18.2	54.3	17.6	40	38.0	10.0	-0.17	3.8	17.9
.89	5.0E-05	0.01	65.4	1.54	7	37.8	20.2	58.1	18.1	40	39.4	10.0	-0.19	4.1	18.9

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP06.COR

›th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	76.8	1.47	7	44.8	18.6	63.4	16.0	40	44.3	10.0	-0.20	3.9	21.5
7.22	5.0E-05	0.01	76.6	1.69	7	45.3	22.1	67.4	17.3	40	44.6	10.0	-0.21	4.6	22.3
7.38	5.0E-05	0.01	74.9	1.80	7	44.8	24.2	68.9	18.1	40	44.2	10.0	-0.22	4.9	22.5
7.55	5.0E-05	0.01	73.1	1.74	7	44.2	23.5	67.7	18.0	40	43.9	10.0	-0.21	4.8	22.1
7.71	5.0E-05	0.01	65.3	1.74	7	39.9	24.5	64.5	19.2	40	41.0	10.0	-0.20	4.9	20.5
7.87	5.0E-05	0.01	60.9	1.61	7	37.7	23.3	61.0	19.3	40	39.3	10.0	-0.18	4.6	19.4
8.04	5.0E-05	0.01	62.6	1.42	7	39.1	20.3	59.5	17.8	40	40.4	10.0	-0.17	4.2	19.5
8.20	5.0E-05	0.01	55.3	1.39	7	35.0	20.9	55.9	19.0	40	37.2	10.0	-0.16	4.2	17.9
8.37	5.0E-05	0.02	53.1	1.15	7	34.0	17.6	51.6	17.8	40	36.3	10.0	-0.14	3.6	16.9
8.53	5.0E-05	0.02	48.1	1.34	7	31.1	21.5	52.7	20.3	38	33.8	6.0	-0.14	4.2	16.4
8.69	5.0E-05	0.02	51.6	1.45	7	33.7	23.0	56.7	20.2	38	36.1	10.0	-0.16	4.5	17.7
8.86	5.0E-05	0.02	53.8	1.71	7	35.4	27.3	62.7	21.3	40	37.5	10.0	-0.18	5.2	19.0
9.02	5.0E-05	0.01	56.8	1.35	7	37.7	21.1	58.8	18.5	40	39.3	10.0	-0.16	4.3	19.0
9.19	5.0E-04	0.00	68.9	1.13	7	46.0	16.5	62.5	14.9	40	45.0	1.0	-0.16	3.0	18.0
9.35	5.0E-05	0.00	52.4	1.45	7	35.5	23.8	59.3	20.0	38	37.6	10.0	-0.16	4.7	18.5
9.51	5.0E-05	0.00	59.8	1.18	7	40.7	18.6	59.3	16.7	40	41.5	10.0	-0.15	3.9	19.8
9.68	5.0E-04	0.00	66.4	0.79	9	45.6	11.8	57.4	12.7	40	44.7	1.0	-0.13	2.2	17.1
9.84	5.0E-04	0.00	63.3	0.59	9	43.8	9.0	52.8	11.4	40	43.6	1.0	-0.10	1.7	16.0
10.01	5.0E-03	0.00	88.0	0.35	9	61.2	0.0	61.2	5.0	42	53.2	1.0	-0.09	0.0	15.0
10.17	5.0E-04	0.00	76.4	0.52	9	53.6	6.6	60.2	9.1	40	49.4	1.0	-0.11	1.3	18.8
10.33	5.0E-04	0.00	69.4	0.71	9	49.1	10.5	59.7	11.6	40	46.9	1.0	-0.12	2.0	18.0
10.50	5.0E-04	0.00	61.7	1.00	7	44.2	16.4	60.5	15.1	40	43.8	1.0	-0.14	2.9	17.3
10.66	5.0E-04	0.00	65.1	0.94	9	46.9	15.0	61.9	14.1	40	45.6	1.0	-0.14	2.7	18.0
10.83	5.0E-04	0.00	69.9	0.59	9	50.7	8.7	59.4	10.5	40	47.8	1.0	-0.11	1.7	18.2
10.99	5.0E-04	0.00	76.7	0.65	9	56.0	9.0	65.0	10.2	40	50.6	1.0	-0.13	1.7	20.0
11.15	5.0E-04	0.00	75.9	0.67	9	55.8	9.6	65.4	10.5	40	50.6	1.0	-0.13	1.8	20.0
11.32	5.0E-04	0.00	76.9	0.82	9	56.9	12.1	69.0	11.6	40	51.1	1.0	-0.14	2.3	20.9
11.48	5.0E-04	0.00	79.9	0.60	9	59.6	7.9	67.5	9.4	42	52.4	1.0	-0.12	1.5	21.0
[illegible].65	5.0E-04	0.00	71.5	0.54	9	53.7	7.9	61.6	9.8	40	49.5	1.0	-0.10	1.5	19.1
81	5.0E-04	0.00	62.8	0.85	9	47.6	14.5	62.1	13.8	40	46.0	1.0	-0.13	2.7	18.2
[illegible].97	5.0E-05	0.00	50.7	1.51	7	38.9	28.3	67.2	20.8	38	40.2	10.0	-0.16	5.4	20.7
12.14	5.0E-05	0.00	45.2	1.78	7	35.0	35.5	70.5	23.8	38	37.2	6.0	-0.17	6.3	20.0
12.30	5.0E-05	0.00	46.3	1.71	7	36.0	34.0	70.0	23.2	38	38.0	6.0	-0.16	6.1	20.3
12.47	5.0E-05	0.00	51.1	1.53	7	40.0	29.3	69.2	20.8	38	41.0	10.0	-0.16	5.6	21.3
12.63	5.0E-05	0.00	45.2	1.50	7	35.7	30.0	65.7	22.1	38	37.7	6.0	-0.15	5.6	19.6
12.80	5.0E-04	0.00	59.1	0.89	9	46.7	16.2	63.0	14.7	40	45.5	1.0	-0.13	2.9	18.2
12.96	5.0E-04	0.00	66.7	1.22	7	53.0	21.6	74.6	15.9	40	49.1	1.0	-0.17	3.8	21.1
13.12	5.0E-05	0.00	51.2	1.48	7	41.1	29.0	70.1	20.5	38	41.8	10.0	-0.16	5.6	21.7
13.29	5.0E-05	0.00	40.4	2.20	7	32.8	50.6	83.4	27.7	38	35.3	6.0	-0.18	7.8	20.7
13.45	5.0E-05	0.00	51.4	1.59	7	41.8	31.5	73.3	21.1	38	42.3	10.0	-0.17	6.0	22.4
13.62	5.0E-04	0.00	50.9	1.53	7	41.6	30.5	72.1	20.8	38	42.1	1.0	-0.16	4.9	18.5
13.78	5.0E-05	0.00	52.8	1.68	7	43.4	33.5	76.9	21.3	40	43.4	10.0	-0.18	6.4	23.4
13.94	5.0E-04	0.00	50.6	1.41	7	41.9	28.5	70.4	20.2	38	42.3	1.0	-0.15	4.6	18.3
14.11	5.0E-04	0.00	57.5	1.40	7	47.8	27.4	75.1	18.6	40	46.1	1.0	-0.17	4.6	20.2
14.27	5.0E-04	0.00	55.4	1.11	7	46.3	21.9	68.2	17.0	40	45.2	1.0	-0.14	3.8	18.9
14.44	5.0E-04	0.00	60.8	1.00	7	51.0	19.2	70.2	15.2	40	48.0	1.0	-0.14	3.4	20.1
14.60	5.0E-04	0.00	60.2	0.74	9	50.8	14.4	65.2	13.3	40	47.9	1.0	-0.11	2.7	19.2
14.76	5.0E-04	0.00	56.3	0.90	7	47.9	18.2	66.0	15.3	40	46.2	1.0	-0.12	3.2	18.9
14.93	5.0E-04	0.00	50.2	1.44	7	43.0	30.2	73.2	20.4	38	43.1	1.0	-0.15	4.9	18.9
15.09	5.0E-05	0.00	41.7	1.68	7	36.0	38.4	74.5	24.3	38	38.0	6.0	-0.15	6.7	20.8
15.26	5.0E-05	0.00	39.8	1.68	7	34.6	39.3	74.0	24.9	38	36.9	6.0	-0.15	6.8	20.3
15.42	5.0E-05	0.00	36.5	2.06	7	32.0	53.3	85.3	28.4	38	34.6	6.0	-0.16	8.0	20.6
15.58	5.0E-05	0.00	34.0	1.84	7	30.0	48.6	78.6	28.1	36	32.8	6.0	-0.14	7.4	19.2
15.75	5.0E-05	0.01	39.0	1.56	7	34.5	37.2	71.7	24.4	38	36.8	6.0	-0.14	6.5	20.0
15.91	5.0E-05	0.01	33.0	1.43	7	29.5	37.3	66.8	25.9	36	32.2	6.0	-0.11	6.2	17.7
16.08	5.0E-05	0.01	27.5	1.43	7	24.8	42.2	67.0	28.6	36	30.0	6.0	-0.09	6.3	16.0
16.24	5.0E-05	0.01	28.2	1.02	7	25.6	29.2	54.8	25.0	36	30.0	6.0	-0.07	5.0	15.0
16.40	5.0E-05	0.01	28.0	1.02	7	25.5	29.4	54.9	25.0	36	30.0	6.0	-0.07	5.0	15.0
16.57	5.0E-05	0.01	31.3	1.06	7	28.5	28.8	57.4	23.8	36	31.3	6.0	-0.08	5.1	16.3
16.73	5.0E-05	0.01	31.0	1.18	7	28.4	32.3	60.7	24.9	36	31.2	6.0	-0.09	5.5	16.7
[illegible]90	5.0E-05	0.01	33.7	1.25	7	31.0	32.9	63.9	24.3	36	33.7	6.0	-0.10	5.8	17.9
[illegible]06	5.0E-04	0.01	34.4	1.07	7	31.8	28.2	60.0	22.6	36	34.4	1.0	-0.09	4.3	14.7
[illegible].22	5.0E-04	0.01	48.3	0.51	9	44.4	12.7	57.1	13.3	38	44.0	1.0	-0.06	2.3	16.8
17.39	5.0E-04	0.01	46.2	0.51	9	42.8	13.0	55.8	13.7	38	42.9	1.0	-0.06	2.4	16.3

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th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	40.3	0.72	7	37.6	18.8	56.3	17.5	38	39.2	1.0	-0.07	3.2	15.5
17.72	5.0E-04	0.00	32.7	1.19	7	30.9	32.6	63.5	24.3	36	33.6	1.0	-0.10	4.8	14.8
17.88	5.0E-05	0.00	30.5	1.46	7	28.9	42.3	71.2	27.2	36	31.7	6.0	-0.11	6.7	18.0
18.04	5.0E-05	0.00	29.8	1.40	7	28.5	41.2	69.6	27.1	36	31.2	6.0	-0.10	6.5	17.7
18.21	5.0E-05	0.01	28.9	1.51	7	27.8	46.0	73.8	28.4	36	30.5	6.0	-0.10	7.0	17.8
18.37	5.0E-05	0.02	28.1	1.62	7	27.1	51.9	78.9	29.6	36	30.0	6.0	-0.10	7.4	18.0
18.54	5.0E-05	0.02	26.8	1.47	7	26.0	48.3	74.3	29.4	36	30.0	6.0	-0.09	7.0	17.1
18.70	5.0E-06	0.02	25.9	3.16	6	25.2	100.9	126.1	39.5	UnDef	UnDef	6.0	UnDef	12.3	24.7
18.86	5.0E-06	0.03	24.4	2.96	6	24.0	95.9	119.8	39.5	UnDef	UnDef	6.0	UnDef	11.7	23.5
19.03	5.0E-05	0.02	29.4	2.04	7	28.8	70.0	98.8	31.5	36	31.6	6.0	-0.13	9.0	20.2
19.19	5.0E-05	0.02	27.6	2.00	6	27.2	73.5	100.7	32.3	36	30.0	6.0	-0.12	8.9	19.6
19.36	5.0E-05	0.02	28.8	1.64	7	28.5	53.1	81.6	29.4	36	31.3	6.0	-0.11	7.7	18.8
19.52	5.0E-05	0.02	22.5	1.58	7	22.5	65.9	88.4	32.9	34	30.0	6.0	-0.08	7.7	16.5
19.68	5.0E-05	0.02	22.7	1.19	7	22.8	44.4	67.2	29.7	34	30.0	6.0	-0.06	6.3	15.2
19.85	5.0E-05	0.03	22.2	1.02	7	22.5	38.1	60.6	28.6	34	30.0	6.0	-0.04	5.7	14.5
20.01	5.0E-05	0.03	22.8	1.11	7	23.1	41.4	64.6	29.0	34	30.0	6.0	-0.05	6.1	15.1
20.18	5.0E-04	0.02	25.2	0.96	7	25.5	33.1	58.6	26.2	34	30.0	1.0	-0.05	4.5	12.9
20.34	5.0E-04	0.03	23.8	0.93	7	24.3	33.3	57.6	26.7	34	30.0	1.0	-0.04	4.5	12.4
20.51	5.0E-04	0.03	23.7	0.84	7	24.3	30.5	54.8	25.8	34	30.0	1.0	-0.04	4.2	12.2
20.67	5.0E-04	0.03	23.2	0.81	7	23.9	30.1	54.0	25.9	34	30.0	1.0	-0.03	4.2	12.0
20.83	5.0E-05	0.03	22.4	0.92	7	23.2	35.0	58.2	27.5	34	30.0	6.0	-0.04	5.5	14.6
21.00	5.0E-04	0.03	24.8	1.06	7	25.7	37.4	63.0	27.2	34	30.0	1.0	-0.06	4.9	13.3
21.16	5.0E-05	0.03	24.6	1.29	7	25.6	47.1	72.7	29.3	34	30.0	6.0	-0.07	6.8	16.8
21.33	5.0E-05	0.03	26.2	1.39	7	27.3	48.8	76.1	29.0	34	30.0	6.0	-0.08	7.2	17.8
21.49	5.0E-04	0.03	28.7	1.02	7	29.9	33.3	63.2	24.7	36	32.7	1.0	-0.07	4.8	14.6
21.65	5.0E-04	0.02	40.4	0.65	7	41.8	19.2	61.0	16.8	38	42.3	1.0	-0.07	3.3	17.0
21.82	5.0E-03	0.00	54.4	0.36	9	56.2	0.0	56.2	5.0	40	50.7	1.0	-0.05	0.0	13.7
21.98	5.0E-03	0.00	57.2	0.40	9	59.3	0.0	59.3	5.0	40	52.3	1.0	-0.06	0.0	14.5
[illegible]15	5.0E-03	0.00	54.3	0.78	9	56.5	19.6	76.1	14.7	40	50.9	1.0	-0.11	2.7	16.5
[illegible]31	5.0E-04	0.00	55.3	1.50	7	57.8	37.3	95.1	19.7	40	51.6	1.0	-0.17	6.1	25.0
[illegible].47	5.0E-05	0.00	44.5	2.18	7	46.8	61.7	108.6	26.3	38	45.5	6.0	-0.19	10.1	28.5
22.64	5.0E-05	0.00	38.0	2.62	6	40.3	88.8	129.1	30.8	38	41.2	6.0	-0.19	11.9	27.7
22.80	5.0E-04	0.00	38.4	1.74	7	40.8	51.3	92.1	25.8	38	41.6	1.0	-0.15	7.1	20.4
22.97	5.0E-04	0.00	45.9	1.08	7	48.8	29.2	78.0	19.0	38	46.7	1.0	-0.12	4.9	20.8
23.13	5.0E-03	0.00	56.4	0.72	9	60.0	18.2	78.1	13.7	40	52.6	1.0	-0.11	2.5	17.2
23.29	5.0E-03	0.00	71.3	0.50	9	75.7	10.3	86.0	9.5	40	59.3	1.0	-0.10	1.5	20.0
23.46	5.0E-02	0.00	97.8	0.60	9	104.0	8.5	112.4	7.8	42	68.4	1.0	-0.14	1.0	21.4
23.62	5.0E-02	0.00	114.4	0.64	9	121.8	6.8	128.7	7.0	42	72.9	1.0	-0.16	0.8	24.7
23.79	5.0E-02	0.00	138.2	0.62	9	147.6	2.5	150.0	5.6	44	78.4	1.0	-0.17	0.3	29.2
23.95	5.0E-02	0.00	167.0	0.64	9	178.6	0.0	178.6	4.6	44	83.9	1.0	-0.19	0.0	35.0
24.11	5.0E+00	0.00	226.8	0.01	10	243.2	0.0	243.2	2.0	46	92.8	1.0	0.13	0.0	39.7
24.28	5.0E+00	0.00	269.0	0.01	10	289.6	0.0	289.6	1.9	46	95.0	1.0	0.11	0.0	47.2

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
[illegible]n No: 99-0525-1349-4073
[illegible] No: 99-315
[illegible]ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-7
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 10:35
CPT File: 315CP07.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	7.7	0.13	1.70	-0.2	5	85.3	0.01	0.01	0.00	2.00	3.7	7.3	0.61	0.00
0.33	13.8	0.17	1.24	-1.9	6	98.7	0.01	0.01	0.00	2.00	5.3	10.6	1.10	0.00
0.49	24.6	0.19	0.77	-0.7	7	98.7	0.02	0.02	0.00	2.00	7.8	15.7	UnDef	0.09
0.66	36.6	0.17	0.47	0.0	7	98.7	0.03	0.03	0.00	2.00	11.7	23.4	UnDef	0.11
0.82	49.2	0.21	0.43	-0.1	8	101.8	0.04	0.04	0.00	2.00	11.8	23.6	UnDef	0.16
0.98	55.6	0.77	1.39	0.0	7	98.7	0.05	0.05	0.00	2.00	17.7	35.5	UnDef	0.00
1.15	56.5	1.34	2.38	0.2	6	98.7	0.06	0.06	0.00	2.00	21.6	43.3	4.51	0.00
31	48.7	1.68	3.46	-3.0	5	85.3	0.06	0.06	0.00	2.00	23.3	46.7	3.89	0.00
.48	44.0	1.43	3.25	-5.9	5	85.3	0.07	0.07	0.00	2.00	21.1	42.2	3.52	0.00
1.64	41.5	1.07	2.59	-1.9	6	98.7	0.08	0.08	0.00	2.00	15.9	31.8	3.31	0.00
1.80	40.1	0.69	1.72	-0.8	7	98.7	0.09	0.09	0.00	2.00	12.8	25.6	UnDef	0.12
1.97	36.3	0.53	1.46	-0.5	7	98.7	0.09	0.09	0.00	2.00	11.6	23.2	UnDef	0.11
2.13	33.1	0.53	1.60	-0.3	6	98.7	0.10	0.10	0.00	2.00	12.7	25.4	2.64	0.11
2.30	45.9	0.83	1.81	-0.1	7	98.7	0.11	0.11	0.00	2.00	14.6	29.3	UnDef	0.15
2.46	60.3	1.33	2.21	0.0	6	98.7	0.12	0.12	0.00	2.00	23.1	46.2	4.82	0.00
2.62	42.3	1.25	2.96	-0.2	6	98.7	0.13	0.13	0.00	2.00	16.2	32.4	3.37	0.00
2.79	30.9	0.78	2.53	-0.1	6	98.7	0.13	0.13	0.00	2.00	11.8	23.7	2.46	0.12
2.95	33.9	0.60	1.78	-0.4	6	98.7	0.14	0.14	0.00	2.00	13.0	25.9	2.70	0.12
3.12	32.6	0.69	2.12	-0.2	6	98.7	0.15	0.15	0.00	2.00	12.5	25.0	2.60	0.12
3.28	29.3	0.72	2.47	0.0	6	98.7	0.16	0.16	0.00	2.00	11.2	22.4	2.33	0.11
3.44	25.1	0.72	2.88	-0.2	5	85.3	0.17	0.17	0.00	2.00	12.0	24.0	1.99	0.11
3.61	24.2	0.64	2.66	0.7	5	85.3	0.17	0.17	0.00	2.00	11.6	23.1	1.92	0.11
3.77	19.9	0.47	2.37	1.2	5	85.3	0.18	0.18	0.00	2.00	9.5	19.0	1.58	0.10
3.94	18.0	0.37	2.07	0.8	6	98.7	0.19	0.19	0.00	2.00	6.9	13.8	1.42	0.09
4.10	18.0	0.31	1.72	0.7	6	98.7	0.20	0.20	0.00	2.00	6.9	13.8	1.43	0.09
4.27	18.0	0.25	1.39	-4.4	6	98.7	0.20	0.20	0.00	2.00	6.9	13.8	1.42	0.09
4.43	14.6	0.27	1.86	-1.5	5	85.3	0.21	0.21	0.00	2.00	7.0	13.9	1.15	0.09
4.59	17.4	0.27	1.55	-0.1	6	98.7	0.22	0.22	0.00	2.00	6.7	13.4	1.38	0.09
4.76	15.8	0.28	1.77	-0.3	6	98.7	0.23	0.23	0.00	2.00	6.1	12.1	1.25	0.09
4.92	14.9	0.29	1.95	-0.4	5	85.3	0.23	0.23	0.00	2.00	7.2	14.3	1.18	0.09
5.09	14.0	0.26	1.86	-0.7	5	85.3	0.24	0.24	0.00	2.00	6.7	13.4	1.10	0.09
5.25	10.7	0.27	2.54	-0.6	5	85.3	0.25	0.25	0.00	2.00	5.1	10.2	0.83	0.10
5.41	11.2	0.28	2.51	-0.7	5	85.3	0.26	0.26	0.00	1.98	5.4	10.6	0.87	0.10
5.58	14.0	0.28	2.01	-0.7	5	85.3	0.26	0.26	0.00	1.95	6.7	13.1	1.10	0.09
5.74	13.5	0.35	2.59	-0.7	5	85.3	0.27	0.27	0.00	1.93	6.5	12.5	1.06	0.10
5.91	15.5	0.38	2.46	-0.2	5	85.3	0.28	0.28	0.00	1.90	7.4	14.1	1.21	0.10
6.07	15.0	0.41	2.74	1.6	5	85.3	0.28	0.28	0.00	1.88	7.2	13.5	1.18	0.11
6.23	16.4	0.43	2.63	7.5	5	85.3	0.29	0.29	0.00	1.86	7.8	14.6	1.29	0.11
40	15.7	0.41	2.62	15.5	5	85.3	0.30	0.30	0.00	1.83	7.5	13.8	1.23	0.11
56	15.5	0.42	2.72	23.0	5	85.3	0.30	0.30	0.00	1.81	7.4	13.5	1.22	0.11
.73	15.1	0.34	2.26	19.7	5	85.3	0.31	0.31	0.00	1.79	7.2	13.0	1.18	0.10
6.89	14.4	0.34	2.36	23.6	5	85.3	0.32	0.32	0.00	1.77	6.9	12.2	1.13	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4073
CPT File: 315CP07.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	14.6	0.31	2.12	27.3	5	85.3	0.33	0.33	0.00	1.75	7.0	12.3	1.14	0.10
7.22	17.8	0.38	2.14	28.8	5	85.3	0.33	0.33	0.00	1.74	8.5	14.8	1.39	0.10
7.38	20.0	0.45	2.26	21.0	6	98.7	0.34	0.34	0.00	1.72	7.6	13.1	1.57	0.11
7.55	18.4	0.48	2.62	17.0	5	85.3	0.35	0.35	0.00	1.70	8.8	14.9	1.44	0.12
7.71	18.0	0.45	2.51	11.1	5	85.3	0.35	0.35	0.00	1.68	8.6	14.5	1.41	0.11
7.87	16.8	0.40	2.39	9.1	5	85.3	0.36	0.36	0.00	1.66	8.0	13.4	1.31	0.11
8.04	16.7	0.39	2.35	11.9	5	85.3	0.37	0.37	0.00	1.65	8.0	13.2	1.30	0.11
8.20	20.0	0.43	2.15	16.1	6	98.7	0.38	0.38	0.00	1.63	7.7	12.5	1.57	0.11
8.37	18.7	0.40	2.14	16.9	6	98.7	0.38	0.38	0.00	1.61	7.2	11.6	1.47	0.11
8.53	18.1	0.37	2.05	19.3	6	98.7	0.39	0.39	0.00	1.60	6.9	11.1	1.42	0.10
8.69	17.6	0.33	1.88	19.8	6	98.7	0.40	0.40	0.00	1.58	6.7	10.7	1.38	0.10
8.86	19.2	0.30	1.57	26.5	6	98.7	0.41	0.41	0.00	1.57	7.3	11.5	1.50	0.10
9.02	17.4	0.30	1.73	26.9	6	98.7	0.42	0.42	0.00	1.55	6.7	10.3	1.36	0.10
9.19	16.2	0.26	1.61	28.9	6	98.7	0.42	0.42	0.00	1.54	6.2	9.5	1.26	0.10
9.35	16.8	0.24	1.43	32.0	6	98.7	0.43	0.43	0.00	1.52	6.4	9.8	1.31	0.09
9.51	16.7	0.25	1.50	35.3	6	98.7	0.44	0.44	0.00	1.51	6.4	9.6	1.30	0.09
9.68	16.8	0.27	1.61	37.8	6	98.7	0.45	0.45	0.00	1.49	6.5	9.6	1.31	0.10
9.84	17.9	0.30	1.68	42.2	6	98.7	0.46	0.46	0.00	1.48	6.9	10.1	1.39	0.10
10.01	17.9	0.33	1.85	48.1	6	98.7	0.46	0.46	0.00	1.47	6.9	10.1	1.40	0.10
10.17	16.9	0.32	1.90	50.4	6	98.7	0.47	0.47	0.00	1.45	6.5	9.4	1.31	0.11
10.33	20.1	0.36	1.80	47.0	6	98.7	0.48	0.48	0.00	1.44	7.7	11.1	1.57	0.10
10.50	22.5	0.40	1.78	35.5	6	98.7	0.49	0.49	0.00	1.43	8.6	12.3	1.76	0.10
10.66	20.2	0.41	2.03	25.1	6	98.7	0.50	0.50	0.00	1.42	7.8	11.0	1.58	0.11
10.83	23.7	0.35	1.48	24.1	6	98.7	0.51	0.51	0.00	1.41	9.1	12.8	1.85	0.10
10.99	28.7	0.33	1.15	9.5	7	98.7	0.51	0.51	0.00	1.40	9.2	12.8	UnDef	0.10
11.15	39.7	0.31	0.78	-1.0	7	98.7	0.52	0.52	0.00	1.38	12.7	17.5	UnDef	0.11
11.32	55.6	0.34	0.61	-1.1	8	101.8	0.53	0.53	0.00	1.37	13.3	18.3	UnDef	0.13
11.48	53.2	0.37	0.70	-1.1	8	101.8	0.54	0.54	0.00	1.36	12.7	17.4	UnDef	0.13
11.65	45.9	0.34	0.74	-1.1	7	98.7	0.55	0.55	0.00	1.35	14.7	19.8	UnDef	0.11
81	42.5	0.41	0.97	-1.3	7	98.7	0.55	0.55	0.00	1.34	13.6	18.2	UnDef	0.11
.97	42.5	0.42	0.99	-1.2	7	98.7	0.56	0.56	0.00	1.33	13.6	18.1	UnDef	0.11
12.14	39.3	0.54	1.38	-1.2	7	98.7	0.57	0.57	0.00	1.32	12.5	16.6	UnDef	0.12
12.30	37.4	0.58	1.55	-1.0	7	98.7	0.58	0.58	0.00	1.31	11.9	15.7	UnDef	0.12
12.47	34.9	0.63	1.81	-1.2	6	98.7	0.59	0.59	0.00	1.31	13.4	17.5	2.75	0.12
12.63	32.8	0.59	1.80	-1.3	6	98.7	0.59	0.59	0.00	1.30	12.6	16.3	2.58	0.12
12.80	29.2	0.54	1.85	-1.5	6	98.7	0.60	0.60	0.00	1.29	11.2	14.4	2.29	0.12
12.96	25.0	0.49	1.96	-0.9	6	98.7	0.61	0.61	0.00	1.28	9.6	12.3	1.95	0.12
13.12	20.1	0.45	2.24	0.5	6	98.7	0.62	0.62	0.00	1.27	7.7	9.8	1.56	0.15
13.29	20.9	0.39	1.87	6.5	6	98.7	0.63	0.63	0.00	1.26	8.0	10.1	1.62	0.12
13.45	23.3	0.39	1.68	8.0	6	98.7	0.64	0.64	0.00	1.25	8.9	11.2	1.81	0.11
13.62	33.3	0.38	1.14	8.9	7	98.7	0.64	0.64	0.00	1.25	10.6	13.3	UnDef	0.10
13.78	58.1	0.42	0.72	0.1	8	101.8	0.65	0.65	0.00	1.24	13.9	17.2	UnDef	0.13
13.94	89.0	0.52	0.59	-0.8	8	101.8	0.66	0.66	0.00	1.23	21.3	26.2	UnDef	0.20
14.11	97.5	0.61	0.63	-0.7	8	101.8	0.67	0.67	0.00	1.22	23.3	28.6	UnDef	0.23
14.27	96.7	0.63	0.65	-0.8	8	101.8	0.68	0.68	0.00	1.22	23.2	28.1	UnDef	0.23
14.44	84.0	0.56	0.67	-0.7	8	101.8	0.69	0.69	0.00	1.21	20.1	24.3	UnDef	0.19
14.60	66.1	0.47	0.71	-0.7	8	101.8	0.69	0.69	0.00	1.20	15.8	19.0	UnDef	0.14
14.76	56.7	0.42	0.74	-0.8	8	101.8	0.70	0.70	0.00	1.19	13.6	16.2	UnDef	0.12
14.93	50.8	0.43	0.85	-0.7	7	98.7	0.71	0.71	0.00	1.19	16.2	19.3	UnDef	0.12
15.09	45.2	0.63	1.40	-0.9	7	98.7	0.72	0.72	0.00	1.18	14.4	17.0	UnDef	0.13
15.26	38.8	0.75	1.94	-0.7	6	98.7	0.73	0.73	0.00	1.17	14.9	17.4	3.04	0.14
15.42	44.3	1.01	2.29	2.3	6	98.7	0.73	0.73	0.00	1.17	17.0	19.8	3.48	0.17
15.58	41.4	0.88	2.13	0.7	6	98.7	0.74	0.74	0.00	1.16	15.9	18.4	3.25	0.16
15.75	45.5	0.88	1.94	2.9	6	98.7	0.75	0.75	0.00	1.15	17.4	20.1	3.58	0.15
15.91	52.2	0.78	1.50	-0.1	7	98.7	0.76	0.76	0.00	1.15	16.7	19.1	UnDef	0.14
16.08	53.5	0.88	1.65	-0.5	7	98.7	0.77	0.77	0.00	1.14	17.1	19.5	UnDef	0.15
16.24	51.2	0.82	1.61	-0.7	7	98.7	0.77	0.77	0.00	1.14	16.3	18.6	UnDef	0.15
16.40	49.1	0.94	1.92	-0.8	7	98.7	0.78	0.78	0.00	1.13	15.7	17.7	UnDef	0.16
16.57	42.9	0.91	2.13	-0.9	6	98.7	0.79	0.79	0.00	1.12	16.4	18.5	3.37	0.16
16.73	33.5	0.91	2.72	-0.7	6	98.7	0.80	0.80	0.00	1.12	12.8	14.4	2.62	0.22
.90	33.4	0.78	2.34	0.2	6	98.7	0.81	0.81	0.00	1.11	12.8	14.2	2.61	0.17
06	39.4	0.61	1.55	1.0	7	98.7	0.82	0.82	0.00	1.11	12.6	13.9	UnDef	0.13
.22	41.7	0.61	1.47	0.2	7	98.7	0.82	0.82	0.00	1.10	13.3	14.7	UnDef	0.12
17.39	43.8	0.66	1.51	-0.4	7	98.7	0.83	0.83	0.00	1.10	14.0	15.3	UnDef	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4073
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th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	44.8	0.59	1.32	-0.3	7	98.7	0.84	0.84	0.00	1.09	14.3	15.6	UnDef	0.12
17.72	43.3	0.51	1.18	-0.7	7	98.7	0.85	0.85	0.00	1.09	13.8	15.0	UnDef	0.12
17.88	44.2	0.55	1.25	-0.6	7	98.7	0.86	0.86	0.00	1.08	14.1	15.3	UnDef	0.12
18.04	44.5	0.61	1.38	-0.5	7	98.7	0.86	0.86	0.00	1.08	14.2	15.3	UnDef	0.13
18.21	45.2	0.79	1.75	-0.3	7	98.7	0.87	0.87	0.00	1.07	14.4	15.4	UnDef	0.14
18.37	46.2	0.67	1.45	-0.5	7	98.7	0.88	0.88	0.00	1.07	14.7	15.7	UnDef	0.13
18.54	45.5	0.51	1.12	-0.2	7	98.7	0.89	0.89	0.00	1.06	14.5	15.4	UnDef	0.12
18.70	44.3	0.38	0.86	-0.5	7	98.7	0.90	0.90	0.00	1.06	14.1	14.9	UnDef	0.11
18.86	45.5	0.42	0.92	-0.5	7	98.7	0.90	0.90	0.00	1.05	14.5	15.3	UnDef	0.11
19.03	45.9	0.61	1.33	-0.3	7	98.7	0.91	0.91	0.00	1.05	14.6	15.3	UnDef	0.13
19.19	43.3	0.68	1.57	-0.2	7	98.7	0.92	0.92	0.00	1.04	13.8	14.4	UnDef	0.13
19.36	41.5	0.63	1.52	-0.1	7	98.7	0.93	0.93	0.00	1.04	13.3	13.8	UnDef	0.13
19.52	39.0	0.55	1.41	-0.7	7	98.7	0.94	0.94	0.00	1.03	12.5	12.9	UnDef	0.12
19.68	36.7	0.54	1.48	-0.6	7	98.7	0.94	0.94	0.00	1.03	11.7	12.0	UnDef	0.12
19.85	33.2	0.60	1.81	0.0	6	98.7	0.95	0.95	0.00	1.02	12.7	13.0	2.58	0.14
20.01	31.7	0.64	2.02	-0.1	6	98.7	0.96	0.96	0.00	1.02	12.1	12.4	2.46	0.17
20.18	31.9	0.66	2.07	2.0	6	98.7	0.97	0.97	0.00	1.02	12.2	12.4	2.48	0.18
20.34	30.6	0.65	2.13	5.8	6	98.7	0.98	0.98	0.00	1.01	11.7	11.8	2.37	0.20
20.51	30.3	0.70	2.31	11.6	6	98.7	0.99	0.99	0.00	1.01	11.6	11.7	2.35	0.25
20.67	31.1	0.64	2.07	16.2	6	98.7	0.99	0.99	0.00	1.00	11.9	11.9	2.41	0.19
20.83	27.6	0.61	2.22	18.7	6	98.7	1.00	1.00	0.00	1.00	10.6	10.5	2.12	0.29
21.00	28.0	0.52	1.86	21.5	6	98.7	1.01	1.01	0.00	1.00	10.7	10.7	2.16	0.18
21.16	25.6	0.47	1.84	25.6	6	98.7	1.02	1.02	0.00	0.99	9.8	9.7	1.97	0.20
21.33	28.4	0.56	1.98	28.7	6	98.7	1.03	1.03	0.00	0.99	10.9	10.7	2.19	0.21
21.49	29.3	0.54	1.84	5.0	6	98.7	1.03	1.03	0.00	0.98	11.2	11.1	2.26	0.17
21.65	36.1	0.64	1.78	7.5	6	98.7	1.04	1.04	0.00	0.98	13.8	13.6	2.81	0.15
21.82	34.3	0.71	2.07	0.6	6	98.7	1.05	1.05	0.00	0.98	13.1	12.8	2.66	0.19
21.98	28.5	0.71	2.50	7.1	6	98.7	1.06	1.06	0.00	0.97	10.9	10.6	2.19	0.31
[illegible].15	29.0	0.59	2.04	10.3	6	98.7	1.07	1.07	0.00	0.97	11.1	10.8	2.24	0.24
31	31.7	0.60	1.90	9.7	6	98.7	1.07	1.07	0.00	0.96	12.1	11.7	2.45	0.18
[illegible]47	32.1	0.60	1.87	3.2	6	98.7	1.08	1.08	0.00	0.96	12.3	11.8	2.48	0.18
22.64	31.4	0.63	2.01	4.9	6	98.7	1.09	1.09	0.00	0.96	12.0	11.5	2.42	0.21
22.80	35.5	0.71	2.01	5.1	6	98.7	1.10	1.10	0.00	0.95	13.6	13.0	2.75	0.19
22.97	32.2	0.75	2.33	2.8	6	98.7	1.11	1.11	0.00	0.95	12.3	11.7	2.49	0.33
23.13	29.7	0.66	2.23	4.0	6	98.7	1.11	1.11	0.00	0.95	11.4	10.8	2.28	0.32
23.29	36.6	0.52	1.43	5.8	7	98.7	1.12	1.12	0.00	0.94	11.7	11.0	UnDef	0.13
23.46	48.7	0.67	1.38	4.2	7	98.7	1.13	1.13	0.00	0.94	15.5	14.6	UnDef	0.14
23.62	43.3	0.94	2.18	0.8	6	98.7	1.14	1.14	0.00	0.94	16.6	15.6	3.37	0.21
23.79	36.4	0.96	2.64	0.9	6	98.7	1.15	1.15	0.00	0.93	13.9	13.0	2.82	0.44
23.95	40.0	0.88	2.21	1.8	6	98.7	1.16	1.16	0.00	0.93	15.3	14.3	3.11	0.23
24.11	42.8	0.80	1.87	-2.3	6	98.7	1.16	1.16	0.00	0.93	16.4	15.2	3.33	0.17
24.28	43.7	0.84	1.92	-1.3	6	98.7	1.17	1.17	0.00	0.92	16.8	15.5	3.41	0.18
24.44	42.1	0.87	2.07	-0.1	6	98.7	1.18	1.18	0.00	0.92	16.1	14.9	3.27	0.20
24.61	42.3	0.87	2.06	0.6	6	98.7	1.19	1.19	0.00	0.92	16.2	14.9	3.29	0.20
24.77	61.2	0.88	1.44	0.7	7	98.7	1.20	1.20	0.00	0.91	19.5	17.9	UnDef	0.16
24.93	60.4	1.03	1.71	-0.5	7	98.7	1.20	1.20	0.00	0.91	19.3	17.6	UnDef	0.18
25.10	57.9	0.90	1.56	-0.2	7	98.7	1.21	1.21	0.00	0.91	18.5	16.8	UnDef	0.16
25.26	71.7	0.88	1.23	-0.6	7	98.7	1.22	1.22	0.00	0.91	22.9	20.7	UnDef	0.16
25.43	73.6	0.68	0.93	-0.5	8	101.8	1.23	1.23	0.00	0.90	17.6	15.9	UnDef	0.15
25.59	69.8	0.63	0.90	-0.5	8	101.8	1.24	1.24	0.00	0.90	16.7	15.0	UnDef	0.14
25.75	67.1	0.62	0.93	-0.1	8	101.8	1.24	1.24	0.00	0.90	16.1	14.4	UnDef	0.14
25.92	66.7	0.66	0.99	-0.2	8	101.8	1.25	1.25	0.00	0.89	16.0	14.3	UnDef	0.14
26.08	66.0	0.73	1.11	-0.1	7	98.7	1.26	1.26	0.00	0.89	21.1	18.8	UnDef	0.14
26.25	61.8	0.95	1.54	-0.3	7	98.7	1.27	1.27	0.00	0.89	19.7	17.5	UnDef	0.17
26.41	60.6	1.02	1.69	-0.4	7	98.7	1.28	1.28	0.00	0.88	19.4	17.1	UnDef	0.18
26.57	61.8	1.06	1.72	-0.6	7	98.7	1.29	1.29	0.00	0.88	19.7	17.4	UnDef	0.18
26.74	56.7	1.03	1.82	-0.6	7	98.7	1.29	1.29	0.00	0.88	18.1	15.9	UnDef	0.19
26.90	53.1	0.99	1.87	-0.8	7	98.7	1.30	1.30	0.00	0.88	16.9	14.9	UnDef	0.19
27.07	55.1	0.85	1.55	-0.8	7	98.7	1.31	1.31	0.00	0.87	17.6	15.4	UnDef	0.16
27.23	57.5	0.73	1.27	-0.2	7	98.7	1.32	1.32	0.00	0.87	18.4	16.0	UnDef	0.14
[illegible]39	64.6	0.63	0.98	-0.1	8	101.8	1.33	1.33	0.00	0.87	15.5	13.4	UnDef	0.13
6	74.7	0.58	0.78	-0.2	8	101.8	1.33	1.33	0.00	0.87	17.9	15.5	UnDef	0.14
[illegible]72	80.3	0.77	0.96	-0.1	8	101.8	1.34	1.34	0.00	0.86	19.2	16.6	UnDef	0.16
27.89	93.8	0.90	0.96	0.0	8	101.8	1.35	1.35	0.00	0.86	22.5	19.3	UnDef	0.18

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP07.COR

›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	105.1	0.97	0.93	-0.1	8	101.8	1.36	1.36	0.00	0.86	25.2	21.6	UnDef	0.21
28.21	107.3	0.96	0.90	-0.1	8	101.8	1.37	1.37	0.00	0.86	25.7	22.0	UnDef	0.21
28.38	97.3	1.48	1.52	0.0	7	98.7	1.38	1.38	0.00	0.85	31.1	26.5	UnDef	0.25
28.54	74.9	1.42	1.90	0.0	7	98.7	1.38	1.38	0.00	0.85	23.9	20.3	UnDef	0.23
28.71	69.4	1.38	1.99	0.6	7	98.7	1.39	1.39	0.00	0.85	22.2	18.8	UnDef	0.24
28.87	129.3	1.44	1.12	-0.7	8	101.8	1.40	1.40	0.00	0.85	31.0	26.2	UnDef	0.30
29.04	140.1	1.32	0.94	0.4	9	101.8	1.41	1.41	0.00	0.84	26.8	22.6	UnDef	0.31
29.20	149.7	0.02	0.01	0.2	9	101.8	1.42	1.42	0.00	0.84	28.7	24.1	UnDef	0.25
29.36	169.2	0.02	0.01	0.2	9	101.8	1.43	1.43	0.00	0.84	32.4	27.1	UnDef	0.33

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4073
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-7
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 10:35
CPT File: 315CP07.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-06	0.00	1000.0	1.70	12	14.7	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.33	5.0E-05	0.00	947.0	1.24	9	26.4	0.0	26.4	1.6	50	70.5	10.0	-0.43	0.0	10.6
0.49	5.0E-04	0.00	1000.0	0.78	10	47.1	0.0	47.1	0.0	50	80.7	1.0	-0.38	0.0	15.7
0.66	5.0E-04	0.00	1000.0	0.47	10	70.1	0.0	70.1	0.0	50	87.8	1.0	-0.33	0.0	23.4
0.82	5.0E-03	0.00	1000.0	0.43	10	94.3	0.0	94.3	0.0	50	92.9	1.0	-0.32	0.0	23.6
0.98	5.0E-04	0.00	1000.0	1.39	12	106.4	UnDef	UnDef	0.0	50	93.6	1.0	-0.45	UnDef	UnDef
1.15	5.0E-05	0.00	1000.0	2.38	12	108.2	UnDef	UnDef	0.0	50	91.8	10.0	-0.55	UnDef	UnDef
1.31	5.0E-06	0.00	774.8	3.46	12	93.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.48	5.0E-06	0.00	630.0	3.26	12	84.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.64	5.0E-05	0.00	534.9	2.59	12	79.4	UnDef	UnDef	0.0	48	78.1	10.0	-0.50	UnDef	UnDef
1.80	5.0E-04	0.00	468.5	1.73	9	76.8	0.9	77.7	5.4	48	75.7	1.0	-0.41	0.2	25.8
1.97	5.0E-04	0.00	387.6	1.47	9	69.6	0.2	69.8	5.1	48	71.6	1.0	-0.36	0.0	23.2
2.13	5.0E-05	0.00	325.2	1.61	9	63.5	2.6	66.1	6.5	48	67.8	10.0	-0.36	0.6	26.0
2.30	5.0E-04	0.00	417.1	1.82	9	87.9	3.0	90.9	6.2	48	76.0	1.0	-0.40	0.6	29.9
2.46	5.0E-05	0.00	510.9	2.22	12	115.5	UnDef	UnDef	0.0	48	82.8	10.0	-0.46	UnDef	UnDef
2.62	5.0E-05	0.00	334.9	2.97	12	81.0	UnDef	UnDef	0.0	48	71.7	10.0	-0.49	UnDef	UnDef
2.79	5.0E-05	0.00	229.7	2.54	9	59.2	13.8	73.0	12.1	46	61.8	10.0	-0.40	3.2	26.9
2.95	5.0E-05	0.00	237.3	1.78	9	64.9	7.5	72.3	8.9	46	63.6	10.0	-0.34	1.8	27.7
3.12	5.0E-05	0.00	216.3	2.13	9	62.5	11.6	74.1	10.9	46	61.7	10.0	-0.36	2.7	27.7
3.28	5.0E-05	0.00	183.9	2.48	7	56.0	16.1	72.1	13.4	44	57.8	10.0	-0.37	3.6	26.1
3.44	5.0E-06	0.00	150.4	2.89	7	48.1	21.2	69.3	16.5	UnDef	UnDef	10.0	UnDef	5.7	29.7
3.61	5.0E-06	0.00	138.8	2.68	7	46.3	20.0	66.2	16.3	UnDef	UnDef	10.0	UnDef	5.4	28.5
3.77	5.0E-06	0.00	109.5	2.39	7	38.1	18.4	56.5	17.2	UnDef	UnDef	10.0	UnDef	4.9	23.9
3.94	5.0E-05	0.00	94.8	2.09	7	34.4	16.6	51.0	17.2	42	41.4	10.0	-0.26	3.5	17.3
4.10	5.0E-05	0.00	91.2	1.74	7	34.5	14.1	48.6	15.9	42	40.9	10.0	-0.24	3.1	16.9
4.27	5.0E-05	-0.01	87.4	1.41	7	34.5	11.5	46.0	14.4	42	40.3	10.0	-0.21	2.6	16.3
4.43	5.0E-06	0.00	68.0	1.89	7	27.9	17.8	45.7	19.6	UnDef	UnDef	10.0	UnDef	4.5	18.4
4.59	5.0E-05	0.00	78.8	1.57	7	33.4	14.5	47.9	16.3	42	38.4	10.0	-0.21	3.1	16.5
4.76	5.0E-05	0.00	68.9	1.80	7	30.3	18.1	48.4	19.0	40	35.1	10.0	-0.21	3.7	15.8
4.92	5.0E-06	0.00	62.8	1.98	7	28.6	21.3	49.9	21.0	UnDef	UnDef	10.0	UnDef	5.2	19.5
5.09	5.0E-06	0.00	57.0	1.90	7	26.8	21.5	48.3	21.7	UnDef	UnDef	10.0	UnDef	5.2	18.6
5.25	5.0E-06	0.00	42.0	2.60	7	20.4	37.4	57.8	29.2	UnDef	UnDef	6.0	UnDef	6.9	17.1
5.41	5.0E-06	0.00	42.8	2.57	7	21.4	37.4	58.8	28.8	UnDef	UnDef	6.0	UnDef	7.0	17.6
5.58	5.0E-06	0.00	52.3	2.04	7	26.7	26.1	52.8	23.5	UnDef	UnDef	10.0	UnDef	5.8	18.9
5.74	5.0E-06	0.00	49.3	2.64	7	25.5	37.3	62.8	27.2	UnDef	UnDef	6.0	UnDef	7.4	19.9
5.91	5.0E-06	0.00	55.0	2.51	7	28.8	33.7	62.5	25.2	UnDef	UnDef	10.0	UnDef	7.2	21.3
6.07	5.0E-06	0.00	52.0	2.79	7	27.6	40.1	67.7	27.2	UnDef	UnDef	10.0	UnDef	7.9	21.5
6.23	5.0E-06	0.01	55.5	2.68	7	29.8	37.4	67.2	25.9	UnDef	UnDef	10.0	UnDef	7.8	22.3
6.40	5.0E-06	0.03	51.7	2.68	7	28.1	38.9	67.0	26.7	UnDef	UnDef	10.0	UnDef	7.8	21.6
6.56	5.0E-06	0.05	50.0	2.77	7	27.5	42.0	69.5	27.6	UnDef	UnDef	6.0	UnDef	8.2	21.6
6.73	5.0E-06	0.04	47.5	2.30	7	26.5	34.0	60.5	26.1	UnDef	UnDef	6.0	UnDef	7.0	20.0
6.89	5.0E-06	0.05	44.3	2.42	7	25.0	38.0	63.0	27.6	UnDef	UnDef	6.0	UnDef	7.4	19.6

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4073
CPT File: 315CP07.COR

th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.06	44.0	2.17	7	25.1	33.5	58.6	26.4	UnDef	UnDef	6.0	UnDef	6.8	19.1
7.22	5.0E-06	0.05	52.5	2.18	7	30.2	31.7	61.8	24.2	UnDef	UnDef	10.0	UnDef	7.0	21.7
7.38	5.0E-05	0.03	57.8	2.30	7	33.5	33.0	66.5	23.6	40	35.9	10.0	-0.22	5.9	19.0
7.55	5.0E-06	0.03	51.8	2.67	7	30.5	42.0	72.4	26.7	UnDef	UnDef	10.0	UnDef	8.5	23.4
7.71	5.0E-06	0.02	49.8	2.56	7	29.6	40.7	70.3	26.7	UnDef	UnDef	6.0	UnDef	8.2	22.7
7.87	5.0E-06	0.02	45.5	2.44	7	27.3	40.4	67.7	27.3	UnDef	UnDef	6.0	UnDef	8.0	21.3
8.04	5.0E-06	0.02	44.3	2.40	7	26.9	40.4	67.3	27.5	UnDef	UnDef	6.0	UnDef	7.9	21.1
8.20	5.0E-05	0.03	52.2	2.20	7	31.9	34.0	65.9	24.3	38	34.6	10.0	-0.20	5.9	18.4
8.37	5.0E-05	0.03	47.8	2.19	7	29.6	35.3	64.9	25.4	38	32.4	6.0	-0.19	6.0	17.6
8.53	5.0E-05	0.03	45.2	2.09	7	28.3	34.7	63.0	25.6	38	31.1	6.0	-0.18	5.8	16.9
8.69	5.0E-05	0.04	43.0	1.92	7	27.2	32.4	59.7	25.4	38	30.0	6.0	-0.16	5.5	16.1
8.86	5.0E-05	0.04	45.9	1.60	7	29.3	26.0	55.4	22.6	38	32.1	6.0	-0.15	4.8	16.3
9.02	5.0E-05	0.05	40.7	1.77	7	26.4	30.9	57.2	25.2	38	30.0	6.0	-0.15	5.3	15.6
9.19	5.0E-05	0.06	37.1	1.65	7	24.3	30.2	54.5	25.7	38	30.0	6.0	-0.13	5.0	14.6
9.35	5.0E-05	0.06	37.9	1.47	7	25.0	26.4	51.5	24.2	38	30.0	6.0	-0.12	4.6	14.4
9.51	5.0E-05	0.07	36.9	1.54	7	24.6	28.4	53.1	25.1	38	30.0	6.0	-0.12	4.9	14.5
9.68	5.0E-05	0.07	36.5	1.65	7	24.6	31.2	55.8	25.9	38	30.0	6.0	-0.13	5.2	14.8
9.84	5.0E-05	0.08	38.2	1.72	7	25.9	32.4	58.3	25.8	38	30.0	6.0	-0.14	5.4	15.5
10.01	5.0E-05	0.09	37.5	1.90	7	25.7	36.8	62.6	27.1	38	30.0	6.0	-0.14	5.9	15.9
10.17	5.0E-05	0.10	34.7	1.95	7	24.1	40.5	64.6	28.5	36	30.0	6.0	-0.14	6.1	15.5
10.33	5.0E-05	0.07	40.8	1.84	7	28.3	34.6	63.0	25.6	38	31.1	6.0	-0.15	5.8	16.9
10.50	5.0E-05	0.05	45.0	1.82	7	31.5	33.0	64.5	24.2	38	34.2	6.0	-0.16	5.8	18.1
10.66	5.0E-05	0.04	39.7	2.08	7	28.1	41.5	69.6	27.3	38	30.9	6.0	-0.16	6.5	17.5
10.83	5.0E-05	0.03	45.9	1.51	7	32.6	27.2	59.8	22.0	38	35.2	6.0	-0.15	5.1	17.8
10.99	5.0E-04	0.01	54.9	1.17	7	39.2	19.9	59.1	17.6	40	40.5	1.0	-0.14	3.4	16.2
11.15	5.0E-04	0.00	75.1	0.79	9	53.7	11.5	65.2	11.6	40	49.5	1.0	-0.14	2.2	19.7
11.32	5.0E-03	0.00	103.9	0.62	9	74.7	5.4	80.1	7.5	42	58.9	1.0	-0.15	0.8	19.1
11.48	5.0E-03	0.00	97.9	0.70	9	71.0	7.7	78.6	8.7	42	57.5	1.0	-0.15	1.1	18.5
[illegible].65	5.0E-04	0.00	83.1	0.75	9	60.8	10.2	71.0	10.4	42	53.0	1.0	-0.14	1.9	21.8
81	5.0E-04	0.00	75.6	0.98	9	55.8	15.0	70.9	12.9	40	50.6	1.0	-0.16	2.8	21.0
[illegible].97	5.0E-04	0.00	74.5	1.00	9	55.4	15.7	71.1	13.3	40	50.4	1.0	-0.16	2.9	21.0
12.14	5.0E-04	0.00	67.8	1.40	7	50.9	23.5	74.4	16.8	40	47.9	1.0	-0.18	4.1	20.7
12.30	5.0E-04	0.00	63.7	1.58	7	48.1	27.4	75.6	18.6	40	46.3	1.0	-0.19	4.6	20.3
12.47	5.0E-05	0.00	58.5	1.84	7	44.6	33.4	78.0	21.0	40	44.2	10.0	-0.20	6.4	23.9
12.63	5.0E-05	0.00	54.2	1.83	7	41.7	34.3	76.0	21.9	40	42.2	10.0	-0.19	6.4	22.7
12.80	5.0E-05	0.00	47.4	1.89	7	36.8	37.5	74.3	23.9	38	38.6	6.0	-0.18	6.6	21.0
12.96	5.0E-05	0.00	40.0	2.01	7	31.3	43.9	75.2	26.8	38	34.0	6.0	-0.17	7.0	19.3
13.12	5.0E-05	0.00	31.5	2.31	6	25.0	64.7	89.7	32.0	36	30.0	6.0	-0.16	8.0	17.8
13.29	5.0E-05	0.01	32.2	1.93	7	25.8	48.7	74.5	29.5	36	30.0	6.0	-0.14	7.0	17.1
13.45	5.0E-05	0.01	35.7	1.73	7	28.6	39.6	68.2	26.8	38	31.4	6.0	-0.14	6.4	17.6
13.62	5.0E-04	0.01	50.8	1.17	7	40.7	22.8	63.4	18.4	38	41.5	1.0	-0.14	3.8	17.1
13.78	5.0E-03	0.00	88.2	0.73	9	70.5	10.1	80.6	9.7	42	57.2	1.0	-0.15	1.5	18.7
13.94	5.0E-03	0.00	133.9	0.59	9	107.3	1.6	108.9	5.5	44	69.3	1.0	-0.17	0.2	26.5
14.11	5.0E-03	0.00	144.9	0.63	9	116.7	1.2	117.9	5.4	44	71.7	1.0	-0.18	0.2	28.7
14.27	5.0E-03	0.00	141.9	0.66	9	115.1	2.2	117.3	5.7	44	71.3	1.0	-0.18	0.3	28.5
14.44	5.0E-03	0.00	121.6	0.67	9	99.3	5.1	104.4	6.8	42	67.1	1.0	-0.17	0.8	25.1
14.60	5.0E-03	0.00	94.4	0.72	9	77.7	9.5	87.2	9.1	42	60.0	1.0	-0.15	1.4	20.4
14.76	5.0E-03	0.00	79.8	0.75	9	66.3	11.9	78.2	10.7	42	55.5	1.0	-0.14	1.7	17.9
14.93	5.0E-04	0.00	70.6	0.86	9	59.1	15.2	74.3	12.7	40	52.2	1.0	-0.14	2.8	22.1
15.09	5.0E-04	0.00	62.0	1.42	7	52.2	27.5	79.7	17.9	40	48.7	1.0	-0.17	4.7	21.7
15.26	5.0E-05	0.00	52.4	1.98	7	44.5	41.7	86.2	23.1	38	44.1	10.0	-0.19	7.6	25.0
15.42	5.0E-05	0.00	59.3	2.33	7	50.6	48.7	99.3	23.4	40	47.7	10.0	-0.23	8.8	28.6
15.58	5.0E-05	0.00	54.8	2.17	7	47.0	46.3	93.3	23.6	40	45.6	10.0	-0.21	8.3	26.7
15.75	5.0E-05	0.00	59.6	1.97	7	51.4	40.6	92.0	21.5	40	48.2	10.0	-0.21	7.7	27.8
15.91	5.0E-04	0.00	67.8	1.52	7	58.6	29.6	88.3	17.6	40	52.0	1.0	-0.19	5.1	24.2
16.08	5.0E-04	0.00	68.7	1.67	7	59.8	33.0	92.7	18.3	40	52.5	1.0	-0.20	5.6	25.1
16.24	5.0E-04	0.00	65.0	1.63	7	56.9	32.7	89.6	18.7	40	51.1	1.0	-0.19	5.5	24.0
16.40	5.0E-04	0.00	61.7	1.95	7	54.3	40.6	94.9	21.0	40	49.8	1.0	-0.21	6.5	24.2
16.57	5.0E-05	0.00	53.3	2.17	7	47.2	48.1	95.3	23.9	40	45.8	10.0	-0.21	8.5	27.0
16.73	5.0E-05	0.00	41.0	2.79	6	36.7	77.7	114.5	30.4	38	38.6	6.0	-0.21	10.6	25.0
90	5.0E-05	0.00	40.4	2.40	7	36.4	63.2	99.6	28.8	38	38.3	6.0	-0.19	9.4	23.6
06	5.0E-04	0.00	47.3	1.59	7	42.7	35.9	78.6	22.1	38	42.9	1.0	-0.16	5.6	19.5
[illegible].22	5.0E-04	0.00	49.6	1.50	7	44.9	33.4	78.4	21.0	38	44.3	1.0	-0.16	5.3	20.0
17.39	5.0E-04	0.00	51.7	1.54	7	47.0	34.1	81.1	20.7	38	45.7	1.0	-0.16	5.5	20.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4073
CPT File: 315CP07.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	52.3	1.35	7	47.8	29.7	77.5	19.3	38	46.1	1.0	-0.15	4.9	20.5
17.72	5.0E-04	0.00	50.1	1.20	7	46.0	27.1	73.1	18.9	38	45.0	1.0	-0.14	4.5	19.6
17.88	5.0E-04	0.00	50.7	1.27	7	46.8	28.6	75.4	19.2	38	45.5	1.0	-0.14	4.8	20.0
18.04	5.0E-04	0.00	50.5	1.40	7	46.8	31.8	78.6	20.2	38	45.5	1.0	-0.15	5.2	20.4
18.21	5.0E-04	0.00	50.8	1.79	7	47.3	41.3	88.6	22.4	38	45.8	1.0	-0.18	6.3	21.8
18.37	5.0E-04	0.00	51.5	1.48	7	48.2	33.8	81.9	20.4	38	46.3	1.0	-0.16	5.5	21.2
18.54	5.0E-04	0.00	50.3	1.14	7	47.3	26.4	73.7	18.4	38	45.8	1.0	-0.13	4.5	19.9
18.70	5.0E-04	0.00	48.4	0.88	7	45.8	20.9	66.7	16.8	38	44.9	1.0	-0.11	3.6	18.6
18.86	5.0E-04	0.00	49.4	0.94	7	46.9	22.3	69.2	17.1	38	45.6	1.0	-0.12	3.9	19.2
19.03	5.0E-04	0.00	49.3	1.36	7	47.0	31.9	78.9	20.2	38	45.6	1.0	-0.15	5.2	20.5
19.19	5.0E-04	0.00	46.1	1.61	7	44.2	39.1	83.3	22.6	38	43.9	1.0	-0.16	6.0	20.4
19.36	5.0E-04	0.00	43.7	1.56	7	42.2	38.7	80.9	22.9	38	42.5	1.0	-0.15	5.9	19.6
19.52	5.0E-04	0.00	40.7	1.45	7	39.5	37.1	76.6	23.2	38	40.6	1.0	-0.13	5.6	18.5
19.68	5.0E-04	0.00	37.8	1.52	7	36.9	40.5	77.4	24.6	38	38.7	1.0	-0.13	5.9	17.9
19.85	5.0E-05	0.00	33.8	1.87	7	33.2	55.4	88.6	28.4	36	35.7	6.0	-0.14	8.4	21.4
20.01	5.0E-05	0.00	32.0	2.09	7	31.6	67.7	99.4	30.5	36	34.3	6.0	-0.15	9.2	21.6
20.18	5.0E-05	0.00	32.0	2.14	7	31.8	70.3	102.1	30.8	36	34.4	6.0	-0.15	9.4	21.8
20.34	5.0E-05	0.01	30.3	2.20	6	30.3	78.3	108.6	32.0	36	33.0	6.0	-0.14	9.7	21.6
20.51	5.0E-05	0.01	29.8	2.39	6	29.9	92.5	122.4	33.3	36	32.7	6.0	-0.15	10.5	22.2
20.67	5.0E-05	0.02	30.3	2.13	6	30.5	75.1	105.6	31.6	36	33.2	6.0	-0.14	9.6	21.5
20.83	5.0E-05	0.02	26.5	2.30	6	26.9	103.5	130.5	34.7	36	30.0	6.0	-0.13	10.4	20.9
21.00	5.0E-05	0.02	26.8	1.93	6	27.3	74.2	101.5	32.4	36	30.1	6.0	-0.12	9.0	19.7
21.16	5.0E-05	0.03	24.2	1.92	6	24.8	84.9	109.7	34.0	34	30.0	6.0	-0.10	9.1	18.8
21.33	5.0E-05	0.03	26.7	2.05	6	27.4	83.4	110.8	33.2	36	30.2	6.0	-0.12	9.5	20.3
21.49	5.0E-05	0.01	27.4	1.91	7	28.2	72.0	100.2	31.9	36	31.0	6.0	-0.12	9.0	20.1
21.65	5.0E-05	0.01	33.7	1.83	7	34.6	56.5	91.1	28.2	36	36.9	6.0	-0.14	8.6	22.1
21.82	5.0E-05	0.00	31.7	2.14	7	32.8	74.1	106.8	31.0	36	35.3	6.0	-0.15	9.8	22.6
21.98	5.0E-05	0.01	25.9	2.60	6	27.1	108.3	135.4	36.7	34	30.0	6.0	-0.15	10.6	21.2
22.15	5.0E-05	0.01	26.2	2.11	6	27.5	91.7	119.2	33.8	34	30.3	6.0	-0.12	10.0	20.8
22.31	5.0E-05	0.01	28.5	1.97	7	29.9	73.4	103.3	31.6	36	32.7	6.0	-0.13	9.4	21.1
22.47	5.0E-05	0.00	28.6	1.94	7	30.2	71.7	101.9	31.4	36	32.9	6.0	-0.13	9.3	21.1
22.64	5.0E-05	0.00	27.8	2.08	6	29.4	83.6	113.0	32.7	36	32.2	6.0	-0.13	9.9	21.4
22.80	5.0E-05	0.00	31.3	2.07	7	33.1	72.9	106.0	30.8	36	35.6	6.0	-0.14	9.8	22.8
22.97	5.0E-05	0.00	28.1	2.42	6	30.0	109.1	139.0	34.4	36	32.7	6.0	-0.15	11.3	23.0
23.13	5.0E-05	0.00	25.6	2.32	6	27.5	110.0	137.5	35.4	34	30.3	6.0	-0.13	10.8	21.5
23.29	5.0E-04	0.01	31.6	1.47	7	33.8	47.2	81.0	26.8	36	36.2	1.0	-0.11	6.3	17.3
23.46	5.0E-04	0.00	42.1	1.41	7	44.8	39.2	84.0	22.5	38	44.3	1.0	-0.14	6.0	20.6
23.62	5.0E-05	0.00	37.0	2.23	7	39.7	72.1	111.8	29.2	38	40.8	6.0	-0.17	10.5	26.1
23.79	5.0E-05	0.00	30.7	2.73	6	33.3	124.0	157.3	34.5	36	35.7	6.0	-0.17	12.7	25.7
23.95	5.0E-05	0.00	33.6	2.27	7	36.4	80.4	116.9	30.8	36	38.3	6.0	-0.16	10.8	25.0
24.11	5.0E-05	0.00	35.8	1.93	7	38.8	61.3	100.1	27.9	38	40.2	6.0	-0.15	9.4	24.6
24.28	5.0E-05	0.00	36.4	1.98	7	39.6	62.9	102.5	28.0	38	40.7	6.0	-0.15	9.7	25.1
24.44	5.0E-05	0.00	34.7	2.13	7	37.9	72.1	110.1	29.5	36	39.5	6.0	-0.16	10.3	25.2
24.61	5.0E-05	0.00	34.6	2.12	7	38.0	72.1	110.0	29.5	36	39.5	6.0	-0.16	10.3	25.2
24.77	5.0E-04	0.00	50.2	1.47	7	54.8	39.4	94.1	20.7	38	50.0	1.0	-0.16	6.3	24.2
24.93	5.0E-04	0.00	49.2	1.74	7	53.9	47.7	101.6	22.6	38	49.6	1.0	-0.17	7.3	24.9
25.10	5.0E-04	0.00	46.8	1.59	7	51.5	44.2	95.6	22.3	38	48.2	1.0	-0.16	6.8	23.6
25.26	5.0E-04	0.00	57.8	1.25	7	63.5	32.2	95.7	17.6	40	54.3	1.0	-0.16	5.5	26.2
25.43	5.0E-03	0.00	58.9	0.94	9	65.0	24.1	89.1	15.1	40	54.9	1.0	-0.13	3.2	19.1
25.59	5.0E-03	0.00	55.5	0.92	7	61.4	24.3	85.7	15.6	40	53.3	1.0	-0.12	3.2	18.3
25.75	5.0E-03	0.00	52.9	0.94	7	58.9	25.4	84.3	16.3	40	52.1	1.0	-0.12	3.3	17.8
25.92	5.0E-03	0.00	52.2	1.01	7	58.3	27.4	85.7	17.0	38	51.8	1.0	-0.13	3.6	17.8
26.08	5.0E-04	0.00	51.4	1.13	7	57.6	30.8	88.3	18.1	38	51.4	1.0	-0.13	5.2	24.0
26.25	5.0E-04	0.00	47.7	1.57	7	53.7	44.4	98.0	21.9	38	49.4	1.0	-0.16	6.9	24.4
26.41	5.0E-04	0.00	46.5	1.72	7	52.5	49.5	102.0	23.2	38	48.8	1.0	-0.16	7.5	24.6
26.57	5.0E-04	0.00	47.0	1.76	7	53.3	50.5	103.8	23.2	38	49.2	1.0	-0.17	7.6	25.0
26.74	5.0E-04	0.00	42.8	1.86	7	48.8	56.3	105.1	25.1	38	46.7	1.0	-0.16	8.0	23.9
26.90	5.0E-04	0.00	39.8	1.92	7	45.5	60.5	106.1	26.4	38	44.7	1.0	-0.16	8.2	23.1
27.07	5.0E-04	0.00	41.0	1.59	7	47.1	48.2	95.3	23.9	38	45.7	1.0	-0.14	7.1	22.5
27.23	5.0E-04	0.00	42.6	1.30	7	49.0	38.8	87.8	21.6	38	46.8	1.0	-0.13	6.1	22.1
27.39	5.0E-03	0.00	47.7	1.00	7	54.9	28.9	83.7	17.9	38	50.1	1.0	-0.12	3.7	17.1
27.56	5.0E-03	0.00	55.0	0.79	9	63.3	21.9	85.2	14.6	40	54.2	1.0	-0.11	3.0	18.4
27.72	5.0E-03	0.00	58.8	0.98	7	67.8	26.2	94.0	15.4	40	56.1	1.0	-0.14	3.5	20.1
27.89	5.0E-03	0.00	68.4	0.98	9	78.9	24.5	103.5	13.9	40	60.5	1.0	-0.15	3.4	22.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4073
CPT File: 315CP07.COR

th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-03	0.00	76.3	0.94	9	88.2	22.3	110.5	12.6	40	63.7	1.0	-0.16	3.1	24.7
28.21	5.0E-03	0.00	77.4	0.91	9	89.7	21.4	111.1	12.2	40	64.2	1.0	-0.15	3.0	25.0
28.38	5.0E-04	0.00	69.7	1.55	7	81.2	40.3	121.5	17.4	40	61.3	1.0	-0.20	6.9	33.4
28.54	5.0E-04	0.00	53.1	1.94	7	62.3	56.0	118.3	22.7	40	53.7	1.0	-0.19	8.5	28.9
28.71	5.0E-04	0.00	48.9	2.03	7	57.6	61.2	118.8	24.3	38	51.5	1.0	-0.19	8.9	27.7
28.87	5.0E-03	0.00	91.3	1.13	9	106.9	25.7	132.6	12.3	42	69.2	1.0	-0.19	3.6	29.8
29.04	5.0E-02	0.00	98.4	0.95	9	115.5	19.7	135.2	10.5	42	71.4	1.0	-0.18	2.3	24.9
29.20	5.0E-02	0.00	104.7	0.01	9	123.1	0.0	123.1	4.2	42	73.2	1.0	0.17	0.0	24.1
29.36	5.0E-02	0.00	117.7	0.01	9	138.7	0.0	138.7	3.8	42	76.7	1.0	0.17	0.0	27.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
n No: 99-0525-1349-4117
No: 99-315
ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-8
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 10:01
CPT File: 315CP08.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.1	0.02	0.48	-0.3	1	74.5	0.01	0.01	0.00	2.00	2.0	4.0	0.33	0.00
0.33	7.2	0.02	0.28	-0.7	1	74.5	0.01	0.01	0.00	2.00	3.5	6.9	0.58	0.00
0.49	19.5	0.02	0.10	-3.4	7	98.7	0.02	0.02	0.00	2.00	6.2	12.5	UnDef	0.08
0.66	39.0	0.19	0.49	-1.8	7	98.7	0.03	0.03	0.00	2.00	12.5	24.9	UnDef	0.12
0.82	49.8	0.29	0.58	-0.2	8	101.8	0.04	0.04	0.00	2.00	11.9	23.8	UnDef	0.16
0.98	42.0	0.41	0.98	-0.4	7	98.7	0.04	0.04	0.00	2.00	13.4	26.8	UnDef	0.13
1.15	37.4	0.40	1.07	-0.4	7	98.7	0.05	0.05	0.00	2.00	11.9	23.9	UnDef	0.11
31	35.1	0.18	0.51	-0.4	7	98.7	0.06	0.06	0.00	2.00	11.2	22.4	UnDef	0.11
.48	34.6	0.26	0.75	-0.2	7	98.7	0.07	0.07	0.00	2.00	11.1	22.1	UnDef	0.11
1.64	41.3	0.28	0.68	-0.3	7	98.7	0.08	0.08	0.00	2.00	13.2	26.3	UnDef	0.13
1.80	50.8	0.55	1.09	-0.4	7	98.7	0.08	0.08	0.00	2.00	16.2	32.4	UnDef	0.17
1.97	56.2	0.94	1.68	-0.3	7	98.7	0.09	0.09	0.00	2.00	17.9	35.9	UnDef	0.20
2.13	49.8	0.92	1.85	-0.3	7	98.7	0.10	0.10	0.00	2.00	15.9	31.8	UnDef	0.17
2.30	43.2	1.00	2.32	-0.3	6	98.7	0.11	0.11	0.00	2.00	16.6	33.1	3.45	0.00
2.46	41.7	0.95	2.28	-0.3	6	98.7	0.12	0.12	0.00	2.00	16.0	32.0	3.33	0.00
2.62	32.6	0.74	2.28	0.0	6	98.7	0.12	0.12	0.00	2.00	12.5	25.0	2.60	0.12
2.79	22.7	0.43	1.90	1.0	6	98.7	0.13	0.13	0.00	2.00	8.7	17.4	1.80	0.09
2.95	18.9	0.20	1.06	1.2	6	98.7	0.14	0.14	0.00	2.00	7.2	14.4	1.50	0.09
3.12	16.2	0.09	0.56	1.6	6	98.7	0.15	0.15	0.00	2.00	6.2	12.4	1.29	0.08
3.28	14.4	0.07	0.49	1.7	6	98.7	0.16	0.16	0.00	2.00	5.5	11.0	1.14	0.00
3.44	16.2	0.04	0.25	-0.6	6	98.7	0.17	0.17	0.00	2.00	6.2	12.4	1.28	0.08
3.61	20.2	0.08	0.40	-0.4	7	98.7	0.17	0.17	0.00	2.00	6.5	12.9	UnDef	0.09
3.77	19.5	0.17	0.87	-0.5	6	98.7	0.18	0.18	0.00	2.00	7.5	15.0	1.55	0.09
3.94	20.6	0.21	1.02	-0.5	6	98.7	0.19	0.19	0.00	2.00	7.9	15.8	1.64	0.09
4.10	19.7	0.15	0.76	-0.4	6	98.7	0.20	0.20	0.00	2.00	7.5	15.1	1.56	0.09
4.27	18.1	0.13	0.72	-1.3	6	98.7	0.21	0.21	0.00	2.00	6.9	13.8	1.43	0.09
4.43	16.3	0.11	0.68	-1.2	6	98.7	0.21	0.21	0.00	2.00	6.2	12.5	1.29	0.08
4.59	15.0	0.11	0.73	-1.2	6	98.7	0.22	0.22	0.00	2.00	5.8	11.5	1.18	0.08
4.76	14.6	0.08	0.55	-1.2	6	98.7	0.23	0.23	0.00	2.00	5.6	11.2	1.15	0.08
4.92	15.5	0.09	0.58	-1.0	6	98.7	0.24	0.24	0.00	2.00	5.9	11.8	1.22	0.08
5.09	13.9	0.14	1.01	-1.0	6	98.7	0.25	0.25	0.00	2.00	5.3	10.7	1.09	0.09
5.25	13.0	0.07	0.54	-1.0	6	98.7	0.25	0.25	0.00	1.98	5.0	9.9	1.02	0.08
5.41	11.4	0.09	0.79	-1.0	6	98.7	0.26	0.26	0.00	1.95	4.4	8.5	0.89	0.08
5.58	12.3	0.09	0.73	-0.5	6	98.7	0.27	0.27	0.00	1.92	4.7	9.1	0.96	0.08
5.74	11.5	0.13	1.13	-1.0	6	98.7	0.28	0.28	0.00	1.89	4.4	8.3	0.90	0.08
5.91	11.6	0.12	1.03	-0.9	6	98.7	0.29	0.29	0.00	1.87	4.5	8.3	0.91	0.08
6.07	11.9	0.10	0.84	-1.0	6	98.7	0.29	0.29	0.00	1.84	4.6	8.4	0.93	0.08
6.23	12.3	0.12	0.98	-1.5	6	98.7	0.30	0.30	0.00	1.82	4.7	8.6	0.96	0.08
40	14.4	0.17	1.19	-1.5	6	98.7	0.31	0.31	0.00	1.79	5.5	9.9	1.12	0.09
56	17.7	0.27	1.53	-0.3	6	98.7	0.32	0.32	0.00	1.77	6.8	12.0	1.39	0.09
6.73	17.5	0.28	1.60	1.2	6	98.7	0.33	0.33	0.00	1.75	6.7	11.7	1.37	0.09
6.89	18.8	0.32	1.71	3.4	6	98.7	0.34	0.34	0.00	1.73	7.2	12.4	1.48	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4117
CPT File: 315CP08.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	20.4	0.29	1.43	0.0	6	98.7	0.34	0.34	0.00	1.71	7.8	13.3	1.60	0.09
7.22	22.2	0.30	1.36	2.0	6	98.7	0.35	0.35	0.00	1.69	8.5	14.3	1.75	0.10
7.38	20.6	0.26	1.27	3.4	6	98.7	0.36	0.36	0.00	1.67	7.9	13.2	1.62	0.09
7.55	21.9	0.29	1.33	4.6	6	98.7	0.37	0.37	0.00	1.65	8.4	13.8	1.72	0.09
7.71	23.0	0.27	1.18	4.9	6	98.7	0.38	0.38	0.00	1.63	8.8	14.4	1.81	0.09
7.87	20.8	0.28	1.35	6.2	6	98.7	0.38	0.38	0.00	1.61	8.0	12.9	1.63	0.09
8.04	21.5	0.28	1.31	7.0	6	98.7	0.39	0.39	0.00	1.60	8.2	13.2	1.69	0.09
8.20	20.2	0.28	1.39	7.2	6	98.7	0.40	0.40	0.00	1.58	7.7	12.3	1.59	0.09
8.37	20.2	0.28	1.39	8.5	6	98.7	0.41	0.41	0.00	1.57	7.7	12.1	1.59	0.09
8.53	20.4	0.29	1.43	8.6	6	98.7	0.42	0.42	0.00	1.55	7.8	12.1	1.60	0.09
8.69	19.6	0.34	1.74	3.5	6	98.7	0.42	0.42	0.00	1.54	7.5	11.5	1.53	0.10
8.86	19.6	0.31	1.58	1.4	6	98.7	0.43	0.43	0.00	1.52	7.5	11.4	1.53	0.10
9.02	17.2	0.28	1.63	2.1	6	98.7	0.44	0.44	0.00	1.51	6.6	9.9	1.34	0.10
9.19	18.3	0.20	1.09	1.1	6	98.7	0.45	0.45	0.00	1.49	7.0	10.5	1.43	0.09
9.35	14.0	0.23	1.65	0.7	5	85.3	0.46	0.46	0.00	1.48	6.7	9.9	1.08	0.10
9.51	16.2	0.14	0.86	0.3	6	98.7	0.46	0.46	0.00	1.47	6.2	9.1	1.26	0.09
9.68	16.4	0.10	0.61	0.1	6	98.7	0.47	0.47	0.00	1.46	6.3	9.2	1.28	0.08
9.84	14.2	0.08	0.56	0.0	6	98.7	0.48	0.48	0.00	1.44	5.5	7.9	1.10	0.08
10.01	14.3	0.07	0.49	0.0	6	98.7	0.49	0.49	0.00	1.43	5.5	7.8	1.11	0.08
10.17	16.1	0.13	0.81	-0.3	6	98.7	0.50	0.50	0.00	1.42	6.2	8.8	1.25	0.09
10.33	20.1	0.29	1.45	-0.2	6	98.7	0.50	0.50	0.00	1.41	7.7	10.8	1.56	0.10
10.50	22.7	0.35	1.54	0.8	6	98.7	0.51	0.51	0.00	1.40	8.7	12.2	1.78	0.10
10.66	22.7	0.38	1.68	2.4	6	98.7	0.52	0.52	0.00	1.39	8.7	12.0	1.77	0.10
10.83	25.6	0.30	1.18	2.7	6	98.7	0.53	0.53	0.00	1.38	9.8	13.5	2.00	0.10
10.99	31.8	0.19	0.60	2.5	7	98.7	0.54	0.54	0.00	1.37	10.2	13.9	UnDef	0.09
11.15	39.7	0.15	0.38	-0.1	7	98.7	0.54	0.54	0.00	1.36	12.7	17.2	UnDef	0.09
11.32	43.4	0.17	0.39	-0.4	8	101.8	0.55	0.55	0.00	1.35	10.4	14.0	UnDef	0.10
11.48	45.2	0.18	0.40	-0.7	8	101.8	0.56	0.56	0.00	1.34	10.8	14.4	UnDef	0.10
[illegible].65	48.2	0.25	0.52	-1.1	8	101.8	0.57	0.57	0.00	1.33	11.5	15.3	UnDef	0.11
81	48.5	0.39	0.81	-1.1	7	98.7	0.58	0.58	0.00	1.32	15.5	20.4	UnDef	0.12
[illegible].97	46.1	0.55	1.20	-1.2	7	98.7	0.59	0.59	0.00	1.31	14.7	19.2	UnDef	0.12
12.14	48.5	0.46	0.95	-1.1	7	98.7	0.59	0.59	0.00	1.30	15.5	20.1	UnDef	0.12
12.30	45.0	0.31	0.69	-1.2	7	98.7	0.60	0.60	0.00	1.29	14.4	18.5	UnDef	0.11
12.47	41.5	0.41	0.99	-1.2	7	98.7	0.61	0.61	0.00	1.28	13.2	16.9	UnDef	0.11
12.63	34.5	0.52	1.51	-1.1	6	98.7	0.62	0.62	0.00	1.27	13.2	16.8	2.71	0.11
12.80	32.8	0.56	1.71	-1.1	6	98.7	0.63	0.63	0.00	1.26	12.6	15.9	2.57	0.12
12.96	31.4	0.42	1.34	-1.1	6	98.7	0.63	0.63	0.00	1.26	12.0	15.1	2.46	0.11
13.12	30.7	0.40	1.31	-0.5	6	98.7	0.64	0.64	0.00	1.25	11.8	14.7	2.41	0.10
13.29	39.2	0.34	0.87	0.3	7	98.7	0.65	0.65	0.00	1.24	12.5	15.5	UnDef	0.10
13.45	60.2	0.35	0.58	0.0	8	101.8	0.66	0.66	0.00	1.23	14.4	17.8	UnDef	0.13
13.62	81.4	0.40	0.49	-0.4	8	101.8	0.67	0.67	0.00	1.22	19.5	23.9	UnDef	0.17
13.78	76.5	0.45	0.59	-0.7	8	101.8	0.68	0.68	0.00	1.22	18.3	22.3	UnDef	0.16
13.94	61.1	0.43	0.71	-1.0	8	101.8	0.68	0.68	0.00	1.21	14.6	17.7	UnDef	0.13
14.11	53.3	0.43	0.81	-1.0	7	98.7	0.69	0.69	0.00	1.20	17.0	20.5	UnDef	0.12
14.27	46.7	0.63	1.35	-1.1	7	98.7	0.70	0.70	0.00	1.20	14.9	17.8	UnDef	0.13
14.44	39.0	0.77	1.98	-1.0	6	98.7	0.71	0.71	0.00	1.19	14.9	17.7	3.06	0.14
14.60	35.8	0.89	2.49	-0.4	6	98.7	0.72	0.72	0.00	1.18	13.7	16.2	2.80	0.17
14.76	42.0	0.76	1.81	1.1	7	98.7	0.72	0.72	0.00	1.18	13.4	15.7	UnDef	0.14
14.93	41.8	0.68	1.63	1.1	7	98.7	0.73	0.73	0.00	1.17	13.4	15.6	UnDef	0.13
15.09	49.3	0.76	1.54	1.7	7	98.7	0.74	0.74	0.00	1.16	15.7	18.3	UnDef	0.14
15.26	50.0	0.63	1.26	0.7	7	98.7	0.75	0.75	0.00	1.16	16.0	18.5	UnDef	0.13
15.42	50.3	0.69	1.38	0.5	7	98.7	0.76	0.76	0.00	1.15	16.0	18.5	UnDef	0.13
15.58	56.4	0.68	1.21	0.4	7	98.7	0.76	0.76	0.00	1.14	18.0	20.6	UnDef	0.14
15.75	58.1	0.57	0.98	0.8	7	98.7	0.77	0.77	0.00	1.14	18.5	21.1	UnDef	0.13
15.91	51.4	0.68	1.33	0.4	7	98.7	0.78	0.78	0.00	1.13	16.4	18.6	UnDef	0.13
16.08	42.7	0.62	1.45	0.2	7	98.7	0.79	0.79	0.00	1.13	13.6	15.4	UnDef	0.13
16.24	39.0	0.75	1.93	0.3	6	98.7	0.80	0.80	0.00	1.12	15.0	16.7	3.06	0.14
16.40	38.6	0.73	1.89	0.4	6	98.7	0.81	0.81	0.00	1.11	14.8	16.5	3.03	0.14
16.57	34.0	0.60	1.77	0.5	6	98.7	0.81	0.81	0.00	1.11	13.0	14.4	2.65	0.13
16.73	30.5	0.55	1.81	1.5	6	98.7	0.82	0.82	0.00	1.10	11.7	12.9	2.38	0.13
90	33.7	0.42	1.25	1.9	7	98.7	0.83	0.83	0.00	1.10	10.7	11.8	UnDef	0.11
06	37.1	0.48	1.30	2.8	7	98.7	0.84	0.84	0.00	1.09	11.8	12.9	UnDef	0.11
[illegible].22	37.2	0.55	1.48	1.9	7	98.7	0.85	0.85	0.00	1.09	11.9	12.9	UnDef	0.12
17.39	38.2	0.50	1.31	1.7	7	98.7	0.85	0.85	0.00	1.08	12.2	13.2	UnDef	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4117
CPT File: 315CP08.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	40.6	0.37	0.91	1.8	7	98.7	0.86	0.86	0.00	1.08	13.0	14.0	UnDef	0.11
17.72	42.4	0.33	0.78	1.2	7	98.7	0.87	0.87	0.00	1.07	13.5	14.5	UnDef	0.10
17.88	44.0	0.48	1.09	0.9	7	98.7	0.88	0.88	0.00	1.07	14.1	15.0	UnDef	0.11
18.04	41.4	0.66	1.60	1.2	7	98.7	0.89	0.89	0.00	1.06	13.2	14.0	UnDef	0.13
18.21	40.0	0.62	1.55	1.2	7	98.7	0.89	0.89	0.00	1.06	12.8	13.5	UnDef	0.13
18.37	40.8	0.50	1.23	1.5	7	98.7	0.90	0.90	0.00	1.05	13.0	13.7	UnDef	0.12
18.54	39.8	0.45	1.13	1.2	7	98.7	0.91	0.91	0.00	1.05	12.7	13.3	UnDef	0.11
18.70	40.4	0.41	1.02	1.2	7	98.7	0.92	0.92	0.00	1.04	12.9	13.5	UnDef	0.11
18.86	42.7	0.48	1.13	1.0	7	98.7	0.93	0.93	0.00	1.04	13.6	14.2	UnDef	0.11
19.03	43.1	0.39	0.91	0.9	7	98.7	0.93	0.93	0.00	1.03	13.7	14.2	UnDef	0.11
19.19	41.2	0.49	1.19	0.7	7	98.7	0.94	0.94	0.00	1.03	13.2	13.5	UnDef	0.12
19.36	37.9	0.48	1.27	0.5	7	98.7	0.95	0.95	0.00	1.03	12.1	12.4	UnDef	0.12
19.52	33.2	0.53	1.60	0.8	6	98.7	0.96	0.96	0.00	1.02	12.7	13.0	2.58	0.13
19.68	30.8	0.50	1.63	1.9	6	98.7	0.97	0.97	0.00	1.02	11.8	12.0	2.39	0.13
19.85	31.3	0.45	1.44	4.8	6	98.7	0.98	0.98	0.00	1.01	12.0	12.1	2.42	0.12
20.01	31.9	0.43	1.35	6.4	6	98.7	0.98	0.98	0.00	1.01	12.2	12.3	2.47	0.12
20.18	29.1	0.39	1.34	8.8	6	98.7	0.99	0.99	0.00	1.00	11.2	11.2	2.25	0.12
20.34	26.1	0.35	1.34	9.9	6	98.7	1.00	1.00	0.00	1.00	10.0	10.0	2.01	0.12
20.51	27.4	0.30	1.10	11.0	6	98.7	1.01	1.01	0.00	1.00	10.5	10.5	2.11	0.11
20.67	28.3	0.31	1.10	12.0	7	98.7	1.02	1.02	0.00	0.99	9.0	9.0	UnDef	0.11
20.83	29.8	0.43	1.45	12.9	6	98.7	1.02	1.02	0.00	0.99	11.4	11.3	2.30	0.13
21.00	32.8	0.37	1.13	13.7	7	98.7	1.03	1.03	0.00	0.98	10.5	10.3	UnDef	0.11
21.16	36.7	0.50	1.36	14.9	7	98.7	1.04	1.04	0.00	0.98	11.7	11.5	UnDef	0.12
21.33	36.9	0.53	1.44	3.9	7	98.7	1.05	1.05	0.00	0.98	11.8	11.5	UnDef	0.13
21.49	28.6	0.44	1.54	2.7	6	98.7	1.06	1.06	0.00	0.97	10.9	10.7	2.20	0.14
21.65	26.0	0.42	1.62	3.1	6	98.7	1.06	1.06	0.00	0.97	10.0	9.7	2.00	0.17
21.82	31.3	0.40	1.28	3.2	7	98.7	1.07	1.07	0.00	0.97	10.0	9.6	UnDef	0.12
21.98	34.8	0.57	1.64	4.7	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.70	0.14
22.15	39.4	0.59	1.50	5.8	7	98.7	1.09	1.09	0.00	0.96	12.6	12.1	UnDef	0.13
22.31	39.1	0.70	1.79	7.8	6	98.7	1.10	1.10	0.00	0.96	15.0	14.3	3.04	0.16
22.47	35.4	0.64	1.81	4.5	6	98.7	1.10	1.10	0.00	0.95	13.6	12.9	2.74	0.16
22.64	32.7	0.54	1.65	4.8	6	98.7	1.11	1.11	0.00	0.95	12.5	11.9	2.53	0.15
22.80	36.6	0.59	1.62	5.3	6	98.7	1.12	1.12	0.00	0.94	14.0	13.2	2.84	0.14
22.97	37.8	0.59	1.56	5.6	7	98.7	1.13	1.13	0.00	0.94	12.1	11.4	UnDef	0.14
23.13	37.0	0.65	1.76	6.3	6	98.7	1.14	1.14	0.00	0.94	14.2	13.3	2.87	0.16
23.29	40.8	0.56	1.38	6.6	7	98.7	1.15	1.15	0.00	0.93	13.0	12.2	UnDef	0.13
23.46	46.3	0.60	1.30	7.0	7	98.7	1.15	1.15	0.00	0.93	14.8	13.8	UnDef	0.13
23.62	48.1	0.64	1.34	4.2	7	98.7	1.16	1.16	0.00	0.93	15.3	14.2	UnDef	0.13
23.79	51.3	0.81	1.58	3.4	7	98.7	1.17	1.17	0.00	0.92	16.4	15.1	UnDef	0.15
23.95	62.0	0.77	1.25	3.2	7	98.7	1.18	1.18	0.00	0.92	19.8	18.2	UnDef	0.15
24.11	68.4	0.91	1.33	3.2	7	98.7	1.19	1.19	0.00	0.92	21.8	20.0	UnDef	0.16
24.28	57.9	0.93	1.61	2.6	7	98.7	1.19	1.19	0.00	0.92	18.5	16.9	UnDef	0.16
24.44	52.6	1.05	2.00	2.0	7	98.7	1.20	1.20	0.00	0.91	16.8	15.3	UnDef	0.20
24.61	62.7	0.99	1.58	2.4	7	98.7	1.21	1.21	0.00	0.91	20.0	18.2	UnDef	0.17
24.77	67.1	0.89	1.33	2.4	7	98.7	1.22	1.22	0.00	0.91	21.4	19.4	UnDef	0.16
24.93	67.8	1.14	1.69	1.8	7	98.7	1.23	1.23	0.00	0.90	21.6	19.5	UnDef	0.19
25.10	67.5	1.27	1.89	1.3	7	98.7	1.23	1.23	0.00	0.90	21.5	19.4	UnDef	0.21
25.26	67.7	1.19	1.76	1.7	7	98.7	1.24	1.24	0.00	0.90	21.6	19.4	UnDef	0.20
25.43	71.6	1.08	1.51	1.9	7	98.7	1.25	1.25	0.00	0.89	22.8	20.4	UnDef	0.18
25.59	70.8	0.85	1.20	1.1	7	98.7	1.26	1.26	0.00	0.89	22.6	20.2	UnDef	0.16
25.75	76.2	0.78	1.03	0.8	8	101.8	1.27	1.27	0.00	0.89	18.2	16.2	UnDef	0.16
25.92	91.7	0.73	0.80	0.5	8	101.8	1.28	1.28	0.00	0.89	21.9	19.4	UnDef	0.17
26.08	96.6	0.79	0.82	0.4	8	101.8	1.28	1.28	0.00	0.88	23.1	20.4	UnDef	0.18
26.25	98.6	0.89	0.90	0.3	8	101.8	1.29	1.29	0.00	0.88	23.6	20.8	UnDef	0.19
26.41	111.1	0.98	0.88	0.0	8	101.8	1.30	1.30	0.00	0.88	26.6	23.3	UnDef	0.22
26.57	133.5	1.21	0.91	0.2	9	101.8	1.31	1.31	0.00	0.87	25.6	22.4	UnDef	0.29
26.74	145.7	1.45	1.00	0.2	9	101.8	1.32	1.32	0.00	0.87	27.9	24.3	UnDef	0.35
26.90	152.7	1.64	1.08	0.1	8	101.8	1.33	1.33	0.00	0.87	36.6	31.8	UnDef	0.40
27.07	157.6	1.65	1.05	0.0	9	101.8	1.33	1.33	0.00	0.87	30.2	26.1	UnDef	0.41
27.23	167.6	0.02	0.01	0.2	9	101.8	1.34	1.34	0.00	0.86	32.1	27.7	UnDef	0.34
27.39	167.6	0.02	0.01	0.1	9	101.8	1.35	1.35	0.00	0.86	32.1	27.6	UnDef	0.34

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4117
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-8
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 10:01
CPT File: 315CP08.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	678.1	0.48	10	7.9	0.0	7.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.0
0.33	1.7E-07	0.00	589.5	0.28	10	13.8	0.0	13.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.9
0.49	5.0E-04	-0.01	1000.0	0.10	10	37.4	0.0	37.4	0.0	50	76.4	1.0	-0.19	0.0	12.5
0.66	5.0E-04	0.00	1000.0	0.49	10	74.7	0.0	74.7	0.0	50	91.2	1.0	-0.33	0.0	24.9
0.82	5.0E-03	0.00	1000.0	0.58	10	95.3	0.0	95.3	0.0	50	94.4	1.0	-0.35	0.0	23.8
0.98	5.0E-04	0.00	956.0	0.98	10	80.4	0.0	80.4	0.5	50	86.6	1.0	-0.40	0.0	26.8
1.15	5.0E-04	0.00	718.3	1.07	9	71.6	0.0	71.6	1.4	50	80.8	1.0	-0.38	0.0	23.9
1.31	5.0E-04	0.00	583.1	0.52	10	67.2	0.0	67.2	0.0	50	76.9	1.0	-0.29	0.0	22.4
48	5.0E-04	0.00	507.2	0.75	9	66.3	0.0	66.3	0.8	48	74.8	1.0	-0.31	0.0	22.1
1.64	5.0E-04	0.00	540.4	0.68	10	79.0	0.0	79.0	0.3	50	78.2	1.0	-0.31	0.0	26.3
1.80	5.0E-04	0.00	601.3	1.09	9	97.3	0.0	97.3	1.9	50	82.7	1.0	-0.37	0.0	32.4
1.97	5.0E-04	0.00	607.3	1.68	9	107.7	0.0	107.7	4.4	50	84.3	1.0	-0.43	0.0	35.9
2.13	5.0E-04	0.00	494.8	1.85	9	95.4	1.9	97.3	5.7	48	79.6	1.0	-0.42	0.4	32.2
2.30	5.0E-05	0.00	397.2	2.32	12	82.8	UnDef	UnDef	0.0	48	74.4	10.0	-0.44	UnDef	UnDef
2.46	5.0E-05	0.00	356.4	2.29	12	79.9	UnDef	UnDef	0.0	48	72.4	10.0	-0.43	UnDef	UnDef
2.62	5.0E-05	0.00	260.1	2.29	9	62.4	10.4	72.8	10.4	46	64.3	10.0	-0.39	2.5	27.4
2.79	5.0E-05	0.00	169.7	1.91	9	43.4	9.2	52.7	11.6	44	53.1	10.0	-0.31	2.1	19.5
2.95	5.0E-05	0.00	132.7	1.07	9	36.1	4.3	40.4	8.9	44	46.9	10.0	-0.22	1.0	15.5
3.12	5.0E-05	0.00	107.9	0.56	9	31.1	1.5	32.6	6.7	42	41.8	10.0	-0.14	0.4	12.8
3.28	5.0E-05	0.00	90.5	0.49	9	27.5	0.0	27.5	5.0	42	37.6	10.0	-0.12	0.0	11.0
3.44	5.0E-05	0.00	97.2	0.25	9	31.1	0.0	31.1	4.5	42	40.3	10.0	-0.07	0.0	12.4
3.61	5.0E-04	0.00	115.8	0.40	9	38.8	0.0	38.8	4.8	42	46.0	1.0	-0.12	0.0	12.9
3.77	5.0E-05	0.00	106.7	0.88	9	37.4	4.9	42.3	9.3	42	44.3	10.0	-0.18	1.2	16.1
3.94	5.0E-05	0.00	107.8	1.03	9	39.5	6.4	45.9	10.2	42	45.2	10.0	-0.20	1.5	17.3
4.10	5.0E-05	0.00	98.6	0.77	9	37.7	4.7	42.3	9.1	42	43.3	10.0	-0.16	1.1	16.2
4.27	5.0E-05	0.00	86.8	0.73	9	34.6	5.1	39.7	9.8	42	40.3	10.0	-0.15	1.2	15.1
4.43	5.0E-05	0.00	75.2	0.69	9	31.2	5.6	36.8	10.7	40	36.7	10.0	-0.13	1.3	13.8
4.59	5.0E-05	0.00	66.6	0.75	9	28.8	7.0	35.7	12.3	40	33.9	10.0	-0.12	1.6	13.1
4.76	5.0E-05	0.00	62.3	0.56	9	27.9	5.6	33.5	11.3	40	32.5	10.0	-0.09	1.3	12.5
4.92	5.0E-05	0.00	63.9	0.59	9	29.6	6.0	35.6	11.3	40	33.7	10.0	-0.10	1.4	13.2
5.09	5.0E-05	0.00	55.5	1.03	7	26.7	11.7	38.3	16.4	40	30.2	10.0	-0.13	2.5	13.2
5.25	5.0E-05	0.00	50.0	0.55	9	24.8	7.1	32.0	13.4	38	30.0	6.0	-0.07	1.6	11.5
5.41	5.0E-05	0.00	42.3	0.81	7	21.7	11.2	32.9	17.8	38	30.0	6.0	-0.09	2.3	10.8
5.58	5.0E-05	0.00	44.6	0.75	7	23.2	10.3	33.5	16.6	38	30.0	6.0	-0.09	2.2	11.3
5.74	5.0E-05	0.00	40.3	1.16	7	21.3	16.3	37.6	21.2	38	30.0	6.0	-0.11	3.1	11.4
5.91	5.0E-05	0.00	39.6	1.06	7	21.2	15.3	36.6	20.7	38	30.0	6.0	-0.10	3.0	11.3
6.07	5.0E-05	0.00	39.5	0.86	7	21.5	12.9	34.4	19.0	38	30.0	6.0	-0.09	2.6	11.0
6.23	5.0E-05	0.00	39.7	1.00	7	21.9	14.9	36.8	20.2	38	30.0	6.0	-0.10	2.9	11.5
6.40	5.0E-05	0.00	45.2	1.21	7	25.2	17.2	42.4	20.2	38	30.0	6.0	-0.13	3.3	13.2
56	5.0E-05	0.00	54.5	1.56	7	30.7	21.0	51.7	20.2	40	33.4	10.0	-0.17	4.1	16.1
73	5.0E-05	0.00	52.5	1.63	7	30.0	22.7	52.6	21.1	38	32.7	10.0	-0.17	4.3	16.1
6.89	5.0E-05	0.01	55.1	1.74	7	31.8	24.1	55.9	21.2	40	34.4	10.0	-0.18	4.6	17.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4117
CPT File: 315CP08.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	58.4	1.45	7	34.0	19.8	53.9	18.8	40	36.4	10.0	-0.17	4.0	17.3
7.22	5.0E-05	0.00	62.1	1.38	7	36.6	18.6	55.2	17.6	40	38.5	10.0	-0.17	3.8	18.2
7.38	5.0E-05	0.01	56.3	1.29	7	33.6	18.2	51.8	18.1	40	36.0	10.0	-0.16	3.7	16.9
7.55	5.0E-05	0.01	58.5	1.35	7	35.3	19.0	54.3	18.1	40	37.4	10.0	-0.16	3.9	17.7
7.71	5.0E-05	0.01	60.3	1.20	7	36.8	16.8	53.5	16.7	40	38.6	10.0	-0.15	3.5	17.9
7.87	5.0E-05	0.01	53.2	1.38	7	32.8	20.4	53.3	19.4	40	35.4	10.0	-0.16	4.1	16.9
8.04	5.0E-05	0.01	53.9	1.33	7	33.6	19.9	53.5	18.9	40	36.0	10.0	-0.15	4.0	17.1
8.20	5.0E-05	0.01	49.6	1.42	7	31.3	22.0	53.3	20.5	38	34.0	6.0	-0.15	4.3	16.5
8.37	5.0E-05	0.01	48.6	1.42	7	31.0	22.4	53.4	20.7	38	33.7	6.0	-0.15	4.3	16.4
8.53	5.0E-05	0.01	47.9	1.46	7	30.9	23.4	54.3	21.1	38	33.6	6.0	-0.15	4.5	16.6
8.69	5.0E-05	0.01	45.1	1.78	7	29.4	29.9	59.3	23.9	38	32.2	6.0	-0.16	5.3	16.8
8.86	5.0E-05	0.00	44.4	1.62	7	29.2	27.4	56.6	23.1	38	32.0	6.0	-0.15	5.0	16.4
9.02	5.0E-05	0.00	38.0	1.68	7	25.4	30.8	56.1	25.5	38	30.0	6.0	-0.14	5.2	15.1
9.19	5.0E-05	0.00	39.9	1.12	7	26.8	20.1	46.9	21.0	38	30.0	6.0	-0.11	3.8	14.3
9.35	5.0E-06	0.00	29.7	1.70	7	20.3	37.5	57.8	29.3	UnDef	UnDef	6.0	UnDef	6.8	16.7
9.51	5.0E-05	0.00	34.0	0.89	7	23.3	17.8	41.1	21.2	36	30.0	6.0	-0.08	3.4	12.5
9.68	5.0E-05	0.00	33.8	0.63	7	23.4	13.5	36.9	18.7	36	30.0	6.0	-0.05	2.7	11.9
9.84	5.0E-05	0.00	28.7	0.58	7	20.1	14.0	34.2	20.4	36	30.0	6.0	-0.03	2.7	10.6
10.01	5.0E-05	0.00	28.3	0.51	7	20.0	12.9	33.0	19.7	36	30.0	6.0	-0.02	2.5	10.4
10.17	5.0E-05	0.00	31.5	0.84	7	22.4	18.1	40.5	21.7	36	30.0	6.0	-0.06	3.4	12.2
10.33	5.0E-05	0.00	38.8	1.49	7	27.6	28.6	56.3	24.0	38	30.4	6.0	-0.13	5.0	15.9
10.50	5.0E-05	0.00	43.4	1.58	7	31.1	29.3	60.4	23.2	38	33.8	6.0	-0.15	5.3	17.5
10.66	5.0E-05	0.00	42.6	1.72	7	30.8	32.6	63.4	24.3	38	33.5	6.0	-0.16	5.7	17.8
10.83	5.0E-05	0.00	47.4	1.20	7	34.4	21.8	56.2	19.5	38	36.7	6.0	-0.13	4.3	17.8
10.99	5.0E-04	0.00	58.3	0.61	9	42.5	10.4	52.9	12.4	40	42.8	1.0	-0.09	1.9	15.8
11.15	5.0E-04	0.00	72.0	0.38	9	52.7	0.0	52.7	5.0	40	48.9	1.0	-0.08	0.0	17.2
11.32	5.0E-03	0.00	77.6	0.40	9	57.2	0.0	57.2	5.0	40	51.2	1.0	-0.09	0.0	14.0
11.48	5.0E-03	0.00	79.5	0.40	9	59.0	0.0	59.0	5.0	42	52.1	1.0	-0.09	0.0	14.4
.65	5.0E-03	0.00	83.6	0.53	9	62.5	6.2	68.6	8.4	42	53.8	1.0	-0.12	0.9	16.2
81	5.0E-04	0.00	82.9	0.82	9	62.4	11.6	74.1	10.9	42	53.8	1.0	-0.15	2.2	22.6
.97	5.0E-04	0.00	77.6	1.21	9	58.9	19.4	78.3	14.3	40	52.1	1.0	-0.18	3.5	22.7
12.14	5.0E-04	0.00	80.7	0.96	9	61.6	14.7	76.3	12.2	42	53.4	1.0	-0.16	2.8	22.9
12.30	5.0E-04	0.00	73.7	0.70	9	56.7	10.8	67.5	11.0	40	51.0	1.0	-0.13	2.1	20.6
12.47	5.0E-04	0.00	67.0	1.01	9	51.9	17.2	69.1	14.3	40	48.5	1.0	-0.15	3.1	20.1
12.63	5.0E-05	0.00	54.8	1.54	7	42.9	28.8	71.8	20.1	40	43.0	10.0	-0.17	5.6	22.4
12.80	5.0E-05	0.00	51.3	1.75	7	40.5	34.0	74.5	22.1	38	41.4	10.0	-0.18	6.3	22.2
12.96	5.0E-05	0.00	48.5	1.37	7	38.6	26.9	65.5	20.4	38	40.0	6.0	-0.15	5.2	20.3
13.12	5.0E-05	0.00	46.8	1.33	7	37.5	26.8	64.3	20.6	38	39.2	6.0	-0.14	5.2	19.9
13.29	5.0E-04	0.00	59.2	0.89	9	47.5	16.4	64.0	14.6	40	45.9	1.0	-0.13	3.0	18.5
13.45	5.0E-03	0.00	90.4	0.59	9	72.6	7.0	79.7	8.3	42	58.1	1.0	-0.13	1.0	18.8
13.62	5.0E-03	0.00	121.1	0.50	9	97.6	0.0	97.6	5.0	42	66.6	1.0	-0.14	0.0	23.9
13.78	5.0E-03	0.00	112.3	0.59	9	91.1	4.5	95.6	6.8	42	64.6	1.0	-0.15	0.7	23.0
13.94	5.0E-03	0.00	88.3	0.71	9	72.3	10.0	82.3	9.5	42	58.0	1.0	-0.15	1.5	19.1
14.11	5.0E-04	0.00	76.1	0.82	9	62.7	13.6	76.3	11.7	40	53.9	1.0	-0.14	2.6	23.0
14.27	5.0E-04	0.00	65.7	1.37	7	54.6	25.8	80.4	17.0	40	49.9	1.0	-0.18	4.5	22.3
14.44	5.0E-05	0.00	54.0	2.02	7	45.3	41.7	87.0	23.0	40	44.6	10.0	-0.20	7.6	25.3
14.60	5.0E-05	0.00	48.9	2.54	7	41.4	58.0	99.3	26.9	38	42.0	6.0	-0.22	9.3	25.5
14.76	5.0E-04	0.00	57.0	1.85	7	48.3	37.6	85.8	21.4	40	46.4	1.0	-0.19	5.9	21.7
14.93	5.0E-04	0.00	56.1	1.66	7	47.8	33.7	81.6	20.5	40	46.1	1.0	-0.18	5.4	21.1
15.09	5.0E-04	0.00	65.6	1.57	7	56.1	30.5	86.6	18.2	40	50.7	1.0	-0.19	5.2	23.5
15.26	5.0E-04	0.00	65.8	1.28	7	56.6	24.7	81.3	16.4	40	51.0	1.0	-0.17	4.3	22.8
15.42	5.0E-04	0.00	65.4	1.40	7	56.6	27.3	83.9	17.2	40	50.9	1.0	-0.18	4.7	23.2
15.58	5.0E-04	0.00	72.8	1.23	7	63.1	23.0	86.1	15.0	40	54.1	1.0	-0.18	4.1	24.7
15.75	5.0E-04	0.00	74.1	1.00	9	64.6	18.3	82.9	13.3	40	54.8	1.0	-0.16	3.4	24.5
15.91	5.0E-04	0.00	64.8	1.35	7	56.9	26.8	83.7	17.0	40	51.1	1.0	-0.17	4.6	23.2
16.08	5.0E-04	0.00	53.2	1.48	7	47.1	31.6	78.7	20.0	40	45.7	1.0	-0.16	5.2	20.5
16.24	5.0E-05	0.00	48.0	1.97	7	42.8	44.8	87.6	24.2	38	42.9	6.0	-0.18	7.9	24.6
16.40	5.0E-05	0.00	47.0	1.93	7	42.1	44.6	86.7	24.3	38	42.5	6.0	-0.18	7.8	24.3
16.57	5.0E-05	0.00	40.8	1.81	7	36.9	44.3	81.1	25.4	38	38.7	6.0	-0.16	7.5	21.9
16.73	5.0E-05	0.00	36.2	1.86	7	33.0	48.8	81.7	27.3	38	35.5	6.0	-0.15	7.7	20.6
90	5.0E-04	0.00	39.6	1.28	7	36.2	31.2	67.4	22.4	38	38.1	1.0	-0.12	4.8	16.6
06	5.0E-04	0.00	43.2	1.33	7	39.6	31.4	71.0	21.5	38	40.7	1.0	-0.13	4.9	17.9
17.22	5.0E-04	0.00	43.0	1.51	7	39.6	36.1	75.8	22.9	38	40.8	1.0	-0.14	5.5	18.4
17.39	5.0E-04	0.00	43.8	1.34	7	40.5	31.8	72.3	21.5	38	41.3	1.0	-0.13	5.0	18.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4117
CPT File: 315CP08.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	46.1	0.93	7	42.8	22.2	65.0	17.8	38	42.9	1.0	-0.11	3.8	17.7
17.72	5.0E-04	0.00	47.8	0.80	7	44.5	19.0	63.5	16.2	38	44.1	1.0	-0.10	3.3	17.9
17.88	5.0E-04	0.00	49.1	1.12	7	46.0	25.8	71.8	18.5	38	45.0	1.0	-0.13	4.3	19.3
18.04	5.0E-04	0.00	45.7	1.63	7	43.0	39.1	82.2	22.8	38	43.1	1.0	-0.16	6.0	20.0
18.21	5.0E-04	0.00	43.7	1.59	7	41.4	38.9	80.3	23.1	38	42.0	1.0	-0.15	5.9	19.4
18.37	5.0E-04	0.00	44.2	1.26	7	42.0	30.6	72.6	20.8	38	42.4	1.0	-0.13	4.9	18.6
18.54	5.0E-04	0.00	42.7	1.16	7	40.8	28.8	69.6	20.5	38	41.6	1.0	-0.12	4.6	18.0
18.70	5.0E-04	0.00	43.0	1.04	7	41.2	26.0	67.3	19.5	38	41.9	1.0	-0.11	4.3	17.7
18.86	5.0E-04	0.00	45.1	1.15	7	43.4	28.2	71.6	19.7	38	43.4	1.0	-0.12	4.6	18.8
19.03	5.0E-04	0.00	45.1	0.93	7	43.6	23.2	66.8	18.0	38	43.5	1.0	-0.11	3.9	18.2
19.19	5.0E-04	0.00	42.7	1.22	7	41.5	30.7	72.3	20.9	38	42.1	1.0	-0.12	4.9	18.5
19.36	5.0E-04	0.00	38.9	1.30	7	38.1	34.2	72.3	22.7	38	39.6	1.0	-0.12	5.2	17.6
19.52	5.0E-05	0.00	33.6	1.65	7	33.2	47.7	80.9	27.1	36	35.7	6.0	-0.13	7.6	20.6
19.68	5.0E-05	0.00	30.9	1.68	7	30.7	52.1	82.8	28.6	36	33.4	6.0	-0.12	7.8	19.8
19.85	5.0E-05	0.00	31.1	1.49	7	31.0	45.1	76.1	27.2	36	33.7	6.0	-0.11	7.1	19.3
20.01	5.0E-05	0.01	31.4	1.39	7	31.5	41.7	73.2	26.3	36	34.2	6.0	-0.10	6.8	19.2
20.18	5.0E-05	0.01	28.4	1.39	7	28.6	44.7	73.4	27.8	36	31.4	6.0	-0.09	6.9	18.1
20.34	5.0E-05	0.01	25.1	1.40	7	25.6	50.0	75.5	29.8	34	30.0	6.0	-0.08	7.1	17.1
20.51	5.0E-05	0.01	26.2	1.14	7	26.7	38.4	65.2	27.1	34	30.0	6.0	-0.07	6.1	16.6
20.67	5.0E-04	0.01	26.9	1.14	7	27.5	37.9	65.4	26.7	36	30.2	1.0	-0.07	5.1	14.1
20.83	5.0E-05	0.01	28.1	1.50	7	28.8	50.1	78.9	28.8	36	31.6	6.0	-0.10	7.4	18.7
21.00	5.0E-04	0.01	30.8	1.17	7	31.6	36.0	67.6	24.9	36	34.2	1.0	-0.09	5.1	15.4
21.16	5.0E-04	0.01	34.3	1.40	7	35.3	41.1	76.4	25.2	36	37.4	1.0	-0.11	5.8	17.3
21.33	5.0E-04	0.00	34.2	1.48	7	35.3	43.7	79.1	25.7	36	37.4	1.0	-0.12	6.1	17.6
21.49	5.0E-05	0.00	26.1	1.60	7	27.2	59.4	86.6	30.7	34	30.0	6.0	-0.10	8.0	18.6
21.65	5.0E-05	0.00	23.4	1.69	6	24.7	72.9	97.6	33.0	34	30.0	6.0	-0.09	8.5	18.1
21.82	5.0E-04	0.00	28.1	1.33	7	29.5	44.5	74.0	27.5	36	32.3	1.0	-0.09	5.8	15.4
21.98	5.0E-05	0.00	31.2	1.69	7	32.8	55.1	87.9	28.5	36	35.3	6.0	-0.12	8.3	21.1
[illegible].15	5.0E-04	0.00	35.2	1.54	7	36.9	46.0	83.0	25.8	38	38.7	1.0	-0.13	6.4	18.5
[illegible]31	5.0E-05	0.01	34.7	1.84	7	36.6	57.5	94.0	27.9	36	38.4	6.0	-0.14	8.9	23.2
22.47	5.0E-05	0.00	31.1	1.87	7	33.0	63.8	96.7	29.7	36	35.5	6.0	-0.13	9.1	22.0
22.64	5.0E-05	0.00	28.4	1.71	7	30.4	61.3	91.7	30.0	36	33.1	6.0	-0.11	8.5	20.4
22.80	5.0E-05	0.00	31.6	1.67	7	33.8	54.6	88.4	28.1	36	36.2	6.0	-0.12	8.3	21.6
22.97	5.0E-04	0.00	32.5	1.61	7	34.9	51.6	86.4	27.3	36	37.1	1.0	-0.12	6.8	18.1
23.13	5.0E-05	0.01	31.6	1.82	7	34.0	61.4	95.3	29.1	36	36.3	6.0	-0.13	9.0	22.3
23.29	5.0E-04	0.01	34.6	1.42	7	37.3	43.3	80.6	25.1	36	39.0	1.0	-0.12	6.2	18.3
23.46	5.0E-04	0.00	39.2	1.33	7	42.2	38.4	80.6	22.8	38	42.6	1.0	-0.12	5.8	19.6
23.62	5.0E-04	0.00	40.4	1.37	7	43.6	39.1	82.8	22.7	38	43.5	1.0	-0.13	6.0	20.2
23.79	5.0E-04	0.00	42.9	1.62	7	46.4	45.7	92.1	23.6	38	45.3	1.0	-0.15	6.8	22.0
23.95	5.0E-04	0.00	51.6	1.27	7	55.9	33.3	89.2	19.0	38	50.6	1.0	-0.15	5.6	23.8
24.11	5.0E-04	0.00	56.7	1.36	7	61.4	34.7	96.1	18.5	40	53.3	1.0	-0.16	5.8	25.9
24.28	5.0E-04	0.00	47.5	1.64	7	51.9	45.1	97.0	22.4	38	48.5	1.0	-0.16	6.9	23.9
24.44	5.0E-04	0.00	42.8	2.05	7	47.0	60.7	107.7	26.1	38	45.6	1.0	-0.17	8.3	23.7
24.61	5.0E-04	0.00	50.9	1.61	7	55.8	43.4	99.3	21.4	38	50.6	1.0	-0.17	6.9	25.1
24.77	5.0E-04	0.00	54.1	1.35	7	59.5	35.6	95.1	19.0	40	52.4	1.0	-0.16	5.9	25.3
24.93	5.0E-04	0.00	54.3	1.72	7	59.9	45.8	105.7	21.2	40	52.6	1.0	-0.18	7.3	26.8
25.10	5.0E-04	0.00	53.7	1.92	7	59.4	52.2	111.7	22.5	40	52.4	1.0	-0.19	8.0	27.4
25.26	5.0E-04	0.00	53.5	1.79	7	59.5	48.6	108.1	21.8	40	52.4	1.0	-0.18	7.6	27.0
25.43	5.0E-04	0.00	56.2	1.54	7	62.6	40.7	103.3	19.8	40	53.9	1.0	-0.17	6.7	27.1
25.59	5.0E-04	0.00	55.3	1.22	7	61.8	32.4	94.3	17.9	40	53.5	1.0	-0.15	5.5	25.7
25.75	5.0E-03	0.00	59.2	1.04	7	66.3	27.0	93.3	15.9	40	55.5	1.0	-0.14	3.6	19.8
25.92	5.0E-03	0.00	70.9	0.81	9	79.5	19.1	98.5	12.2	40	60.7	1.0	-0.14	2.7	22.1
26.08	5.0E-03	0.00	74.3	0.83	9	83.4	19.1	102.6	12.0	40	62.1	1.0	-0.14	2.7	23.1
26.25	5.0E-03	0.00	75.4	0.92	9	84.9	21.3	106.2	12.5	40	62.6	1.0	-0.15	3.0	23.8
26.41	5.0E-03	0.00	84.5	0.89	9	95.4	19.3	114.7	11.3	42	65.9	1.0	-0.16	2.8	26.1
26.57	5.0E-02	0.00	101.0	0.92	9	114.2	17.6	131.8	10.0	42	71.1	1.0	-0.18	2.0	24.4
26.74	5.0E-02	0.00	109.7	1.01	9	124.3	18.9	143.2	10.0	42	73.5	1.0	-0.20	2.2	26.5
26.90	5.0E-03	0.00	114.3	1.09	9	129.8	20.7	150.5	10.1	42	74.8	1.0	-0.21	3.0	34.8
27.07	5.0E-02	0.00	117.2	1.06	9	133.6	19.5	153.1	9.8	42	75.6	1.0	-0.21	2.3	28.4
27.23	5.0E-02	0.00	123.9	0.01	10	141.6	0.0	141.6	3.5	42	77.2	1.0	0.16	0.0	27.7
[illegible]39	5.0E-02	0.00	123.1	0.01	10	141.2	0.0	141.2	3.5	42	77.2	1.0	0.16	0.0	27.6

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
n No: 99-0525-1349-4155
No: 99-315
ient: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-9
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 09:31
CPT File: 315CP09.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	6.0	0.02	0.33	-0.7	1	74.5	0.01	0.01	0.00	2.00	2.9	5.7	0.48	0.00
0.33	12.0	0.02	0.17	-0.6	6	98.7	0.01	0.01	0.00	2.00	4.6	9.2	0.96	0.00
0.49	10.7	0.02	0.19	-0.4	6	98.7	0.02	0.02	0.00	2.00	4.1	8.2	0.86	0.00
0.66	10.2	0.02	0.20	-0.5	6	98.7	0.03	0.03	0.00	2.00	3.9	7.8	0.82	0.00
0.82	10.7	0.02	0.19	-0.4	6	98.7	0.04	0.04	0.00	2.00	4.1	8.2	0.85	0.00
0.98	11.0	0.02	0.18	-0.6	6	98.7	0.05	0.05	0.00	2.00	4.2	8.5	0.88	0.00
.15	12.8	0.02	0.16	-0.4	6	98.7	0.05	0.05	0.00	2.00	4.9	9.8	1.02	0.00
31	13.8	0.02	0.15	-0.6	6	98.7	0.06	0.06	0.00	2.00	5.3	10.6	1.10	0.00
.48	14.6	0.02	0.14	-0.6	6	98.7	0.07	0.07	0.00	2.00	5.6	11.2	1.16	0.00
1.64	16.0	0.02	0.13	-0.4	6	98.7	0.08	0.08	0.00	2.00	6.1	12.3	1.28	0.08
1.80	17.3	0.02	0.12	-0.4	7	98.7	0.09	0.09	0.00	2.00	5.5	11.1	UnDef	0.08
1.97	21.0	0.02	0.10	-0.6	7	98.7	0.09	0.09	0.00	2.00	6.7	13.4	UnDef	0.09
2.13	24.4	0.25	1.03	-0.3	6	98.7	0.10	0.10	0.00	2.00	9.3	18.7	1.94	0.09
2.30	28.8	0.44	1.53	-0.2	6	98.7	0.11	0.11	0.00	2.00	11.0	22.1	2.30	0.10
2.46	35.8	0.50	1.40	-0.6	7	98.7	0.12	0.12	0.00	2.00	11.4	22.8	UnDef	0.11
2.62	36.7	0.40	1.09	-0.4	7	98.7	0.13	0.13	0.00	2.00	11.7	23.4	UnDef	0.11
2.79	35.9	0.54	1.51	-0.6	7	98.7	0.13	0.13	0.00	2.00	11.5	22.9	UnDef	0.12
2.95	29.6	0.65	2.20	-0.5	6	98.7	0.14	0.14	0.00	2.00	11.4	22.7	2.36	0.11
3.12	24.7	0.59	2.39	-0.3	6	98.7	0.15	0.15	0.00	2.00	9.5	18.9	1.97	0.10
3.28	23.6	0.50	2.13	-0.1	6	98.7	0.16	0.16	0.00	2.00	9.0	18.1	1.87	0.10
3.44	22.1	0.35	1.59	-1.9	6	98.7	0.17	0.17	0.00	2.00	8.5	16.9	1.75	0.09
3.61	18.1	0.30	1.66	-1.1	6	98.7	0.18	0.18	0.00	2.00	6.9	13.8	1.43	0.09
3.77	14.2	0.22	1.56	-0.9	6	98.7	0.18	0.18	0.00	2.00	5.4	10.9	1.12	0.09
3.94	13.8	0.12	0.87	-0.8	6	98.7	0.19	0.19	0.00	2.00	5.3	10.6	1.09	0.08
4.10	13.3	0.05	0.38	-0.3	6	98.7	0.20	0.20	0.00	2.00	5.1	10.2	1.05	0.00
4.27	13.0	0.02	0.15	1.4	6	98.7	0.21	0.21	0.00	2.00	5.0	9.9	1.02	0.00
4.43	14.1	0.03	0.21	3.4	6	98.7	0.22	0.22	0.00	2.00	5.4	10.8	1.11	0.00
4.59	15.6	0.04	0.26	5.2	6	98.7	0.22	0.22	0.00	2.00	6.0	12.0	1.23	0.00
4.76	19.7	0.11	0.56	4.8	6	98.7	0.23	0.23	0.00	2.00	7.5	15.1	1.56	0.09
4.92	23.9	0.18	0.76	-0.4	7	98.7	0.24	0.24	0.00	2.00	7.6	15.3	UnDef	0.09
5.09	21.4	0.23	1.08	1.1	6	98.7	0.25	0.25	0.00	2.00	8.2	16.4	1.69	0.09
5.25	22.1	0.20	0.91	4.8	6	98.7	0.26	0.26	0.00	1.98	8.5	16.8	1.75	0.09
5.41	21.0	0.21	1.00	4.9	6	98.7	0.26	0.26	0.00	1.95	8.0	15.6	1.66	0.09
5.58	23.5	0.24	1.02	5.3	6	98.7	0.27	0.27	0.00	1.92	9.0	17.3	1.86	0.10
5.74	22.2	0.30	1.36	2.5	6	98.7	0.28	0.28	0.00	1.89	8.5	16.0	1.75	0.10
5.91	23.3	0.30	1.29	4.3	6	98.7	0.29	0.29	0.00	1.86	8.9	16.6	1.84	0.10
6.07	20.3	0.27	1.33	0.0	6	98.7	0.30	0.30	0.00	1.84	7.8	14.3	1.60	0.09
6.23	17.9	0.22	1.23	-2.0	6	98.7	0.30	0.30	0.00	1.81	6.8	12.4	1.41	0.09
40	18.1	0.22	1.22	-1.1	6	98.7	0.31	0.31	0.00	1.79	6.9	12.4	1.42	0.09
56	17.8	0.21	1.18	0.6	6	98.7	0.32	0.32	0.00	1.77	6.8	12.1	1.40	0.09
.73	16.5	0.19	1.16	1.2	6	98.7	0.33	0.33	0.00	1.74	6.3	11.0	1.29	0.09
6.89	17.2	0.18	1.05	3.1	6	98.7	0.34	0.34	0.00	1.72	6.6	11.3	1.35	0.09

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›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	17.4	0.19	1.09	5.4	6	98.7	0.35	0.35	0.00	1.70	6.7	11.3	1.36	0.09
7.22	16.3	0.20	1.23	7.2	6	98.7	0.35	0.35	0.00	1.68	6.3	10.5	1.28	0.09
7.38	17.3	0.17	0.98	7.7	6	98.7	0.36	0.36	0.00	1.66	6.6	11.1	1.36	0.09
7.55	17.2	0.18	1.05	9.8	6	98.7	0.37	0.37	0.00	1.65	6.6	10.8	1.34	0.09
7.71	18.1	0.26	1.44	9.7	6	98.7	0.38	0.38	0.00	1.63	6.9	11.3	1.42	0.09
7.87	19.6	0.28	1.43	10.5	6	98.7	0.39	0.39	0.00	1.61	7.5	12.1	1.54	0.09
8.04	19.7	0.31	1.58	22.3	6	98.7	0.39	0.39	0.00	1.59	7.6	12.0	1.55	0.10
8.20	20.8	0.32	1.54	27.9	6	98.7	0.40	0.40	0.00	1.58	8.0	12.6	1.63	0.10
8.37	19.8	0.32	1.62	32.9	6	98.7	0.41	0.41	0.00	1.56	7.6	11.8	1.55	0.10
8.53	20.9	0.29	1.39	36.3	6	98.7	0.42	0.42	0.00	1.55	8.0	12.4	1.64	0.09
8.69	19.8	0.27	1.36	35.2	6	98.7	0.43	0.43	0.00	1.53	7.6	11.6	1.55	0.09
8.86	19.0	0.27	1.42	35.2	6	98.7	0.43	0.43	0.00	1.52	7.3	11.1	1.49	0.09
9.02	20.1	0.35	1.75	35.2	6	98.7	0.44	0.44	0.00	1.50	7.7	11.6	1.57	0.10
9.19	24.2	0.40	1.65	32.0	6	98.7	0.45	0.45	0.00	1.49	9.3	13.8	1.90	0.10
9.35	22.6	0.41	1.82	30.6	6	98.7	0.46	0.46	0.00	1.48	8.6	12.8	1.77	0.10
9.51	23.3	0.43	1.85	32.3	6	98.7	0.47	0.47	0.00	1.46	8.9	13.1	1.82	0.11
9.68	23.0	0.42	1.83	17.5	6	98.7	0.47	0.47	0.00	1.45	8.8	12.8	1.80	0.11
9.84	23.3	0.49	2.11	19.0	6	98.7	0.48	0.48	0.00	1.44	8.9	12.8	1.82	0.11
10.01	25.0	0.44	1.77	14.4	6	98.7	0.49	0.49	0.00	1.43	9.6	13.7	1.96	0.11
10.17	23.3	0.46	1.98	16.6	6	98.7	0.50	0.50	0.00	1.42	8.9	12.7	1.83	0.11
10.33	23.6	0.39	1.66	10.7	6	98.7	0.51	0.51	0.00	1.40	9.0	12.7	1.84	0.10
10.50	20.5	0.35	1.71	15.2	6	98.7	0.51	0.51	0.00	1.39	7.9	11.0	1.60	0.10
10.66	20.5	0.33	1.61	19.1	6	98.7	0.52	0.52	0.00	1.38	7.9	10.9	1.60	0.10
10.83	20.6	0.33	1.61	19.1	6	98.7	0.53	0.53	0.00	1.37	7.9	10.8	1.61	0.10
10.99	21.5	0.35	1.63	21.7	6	98.7	0.54	0.54	0.00	1.36	8.2	11.2	1.68	0.10
11.15	23.4	0.34	1.46	24.9	6	98.7	0.55	0.55	0.00	1.35	9.0	12.1	1.83	0.10
11.32	22.9	0.36	1.58	28.2	6	98.7	0.56	0.56	0.00	1.34	8.8	11.8	1.79	0.10
11.48	23.3	0.33	1.42	31.4	6	98.7	0.56	0.56	0.00	1.33	8.9	11.9	1.82	0.10
[illegible].65	22.6	0.34	1.51	34.2	6	98.7	0.57	0.57	0.00	1.32	8.7	11.4	1.76	0.10
[illegible]81	22.7	0.38	1.68	36.4	6	98.7	0.58	0.58	0.00	1.31	8.7	11.4	1.77	0.11
[illegible].97	23.0	0.35	1.53	39.0	6	98.7	0.59	0.59	0.00	1.30	8.8	11.5	1.79	0.10
12.14	24.7	0.38	1.54	38.0	6	98.7	0.60	0.60	0.00	1.30	9.5	12.3	1.93	0.10
12.30	21.4	0.27	1.27	12.3	6	98.7	0.60	0.60	0.00	1.29	8.2	10.5	1.66	0.10
12.47	31.5	0.22	0.70	-0.2	7	98.7	0.61	0.61	0.00	1.28	10.1	12.9	UnDef	0.09
12.63	36.7	0.29	0.79	-1.0	7	98.7	0.62	0.62	0.00	1.27	11.7	14.9	UnDef	0.10
12.80	49.9	0.32	0.64	-0.9	8	101.8	0.63	0.63	0.00	1.26	11.9	15.1	UnDef	0.11
12.96	46.9	0.28	0.60	-0.9	7	98.7	0.64	0.64	0.00	1.25	15.0	18.8	UnDef	0.11
13.12	44.0	0.21	0.48	-0.6	8	101.8	0.64	0.64	0.00	1.25	10.5	13.1	UnDef	0.09
13.29	43.1	0.23	0.54	-0.8	7	98.7	0.65	0.65	0.00	1.24	13.7	17.0	UnDef	0.10
13.45	42.9	0.32	0.75	-0.9	7	98.7	0.66	0.66	0.00	1.23	13.7	16.9	UnDef	0.11
13.62	38.9	0.47	1.21	-0.9	7	98.7	0.67	0.67	0.00	1.22	12.4	15.2	UnDef	0.11
13.78	32.8	0.57	1.74	-0.9	6	98.7	0.68	0.68	0.00	1.22	12.6	15.3	2.57	0.12
13.94	27.6	0.54	1.96	-0.3	6	98.7	0.69	0.69	0.00	1.21	10.6	12.8	2.15	0.13
14.11	25.4	0.45	1.78	3.5	6	98.7	0.69	0.69	0.00	1.20	9.7	11.7	1.97	0.12
14.27	27.6	0.44	1.60	5.8	6	98.7	0.70	0.70	0.00	1.19	10.6	12.6	2.15	0.11
14.44	33.7	0.43	1.28	3.6	7	98.7	0.71	0.71	0.00	1.19	10.8	12.8	UnDef	0.11
14.60	48.9	0.37	0.76	0.4	7	98.7	0.72	0.72	0.00	1.18	15.6	18.4	UnDef	0.11
14.76	50.8	0.32	0.63	-0.8	8	101.8	0.73	0.73	0.00	1.17	12.2	14.3	UnDef	0.11
14.93	51.9	0.24	0.46	-0.7	8	101.8	0.73	0.73	0.00	1.17	12.4	14.5	UnDef	0.10
15.09	51.2	0.35	0.69	-0.7	8	101.8	0.74	0.74	0.00	1.16	12.2	14.2	UnDef	0.11
15.26	45.9	0.47	1.03	-0.6	7	98.7	0.75	0.75	0.00	1.15	14.6	16.9	UnDef	0.12
15.42	41.8	0.67	1.61	-0.8	7	98.7	0.76	0.76	0.00	1.15	13.3	15.3	UnDef	0.13
15.58	42.2	0.58	1.38	-0.5	7	98.7	0.77	0.77	0.00	1.14	13.5	15.4	UnDef	0.12
15.75	52.0	0.67	1.29	3.4	7	98.7	0.78	0.78	0.00	1.14	16.6	18.9	UnDef	0.13
15.91	51.4	0.65	1.27	-0.2	7	98.7	0.78	0.78	0.00	1.13	16.4	18.5	UnDef	0.13
16.08	45.5	0.73	1.61	-0.3	7	98.7	0.79	0.79	0.00	1.12	14.5	16.3	UnDef	0.14
16.24	50.9	0.69	1.36	-0.2	7	98.7	0.80	0.80	0.00	1.12	16.2	18.2	UnDef	0.13
16.40	61.3	0.61	1.00	-0.5	7	98.7	0.81	0.81	0.00	1.11	19.6	21.8	UnDef	0.14
16.57	69.2	0.53	0.77	-0.6	8	101.8	0.82	0.82	0.00	1.11	16.6	18.3	UnDef	0.14
16.73	60.0	0.53	0.89	-0.2	8	101.8	0.82	0.82	0.00	1.10	14.4	15.8	UnDef	0.13
[illegible]90	52.0	0.83	1.60	-0.2	7	98.7	0.83	0.83	0.00	1.10	16.6	18.2	UnDef	0.15
[illegible]06	41.9	0.77	1.84	-0.1	6	98.7	0.84	0.84	0.00	1.09	16.1	17.5	3.28	0.14
[illegible].22	43.9	0.81	1.85	-0.1	7	98.7	0.85	0.85	0.00	1.09	14.0	15.2	UnDef	0.15
17.39	44.1	0.72	1.63	0.4	7	98.7	0.86	0.86	0.00	1.08	14.1	15.2	UnDef	0.14

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Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	39.3	0.89	2.27	-0.2	6	98.7	0.86	0.86	0.00	1.08	15.0	16.2	3.07	0.17
17.72	35.3	0.90	2.55	0.5	6	98.7	0.87	0.87	0.00	1.07	13.5	14.5	2.76	0.21
17.88	35.9	0.86	2.40	1.4	6	98.7	0.88	0.88	0.00	1.07	13.8	14.7	2.80	0.19
18.04	32.0	0.70	2.20	3.1	6	98.7	0.89	0.89	0.00	1.06	12.2	13.0	2.49	0.18
18.21	29.5	0.58	1.97	4.9	6	98.7	0.90	0.90	0.00	1.06	11.3	11.9	2.29	0.16
18.37	33.8	0.52	1.54	5.7	6	98.7	0.91	0.91	0.00	1.05	12.9	13.6	2.63	0.12
18.54	38.9	0.59	1.52	1.5	7	98.7	0.91	0.91	0.00	1.05	12.4	13.0	UnDef	0.13
18.70	38.8	0.52	1.34	0.5	7	98.7	0.92	0.92	0.00	1.04	12.4	12.9	UnDef	0.12
18.86	40.5	0.47	1.16	1.3	7	98.7	0.93	0.93	0.00	1.04	12.9	13.4	UnDef	0.11
19.03	41.1	0.53	1.29	-0.2	7	98.7	0.94	0.94	0.00	1.03	13.1	13.6	UnDef	0.12
19.19	41.8	0.65	1.56	0.3	7	98.7	0.95	0.95	0.00	1.03	13.3	13.7	UnDef	0.13
19.36	40.8	0.71	1.75	-0.3	7	98.7	0.95	0.95	0.00	1.02	13.0	13.3	UnDef	0.14
19.52	41.5	0.56	1.35	0.9	7	98.7	0.96	0.96	0.00	1.02	13.3	13.5	UnDef	0.12
19.68	41.9	0.55	1.32	-0.6	7	98.7	0.97	0.97	0.00	1.02	13.4	13.6	UnDef	0.12
19.85	45.0	0.47	1.05	0.1	7	98.7	0.98	0.98	0.00	1.01	14.4	14.5	UnDef	0.11
20.01	51.1	0.45	0.88	0.3	7	98.7	0.99	0.99	0.00	1.01	16.3	16.4	UnDef	0.12
20.18	46.9	0.36	0.77	0.2	7	98.7	0.99	0.99	0.00	1.00	15.0	15.0	UnDef	0.11
20.34	43.0	0.43	1.00	0.3	7	98.7	1.00	1.00	0.00	1.00	13.7	13.7	UnDef	0.11
20.51	37.8	0.55	1.46	0.4	7	98.7	1.01	1.01	0.00	0.99	12.1	12.0	UnDef	0.13
20.67	33.7	0.65	1.93	-1.5	6	98.7	1.02	1.02	0.00	0.99	12.9	12.8	2.62	0.17
20.83	30.6	0.55	1.80	2.3	6	98.7	1.03	1.03	0.00	0.99	11.7	11.6	2.37	0.16
21.00	29.3	0.54	1.85	8.6	6	98.7	1.03	1.03	0.00	0.98	11.2	11.0	2.26	0.17
21.16	29.0	0.51	1.76	14.8	6	98.7	1.04	1.04	0.00	0.98	11.1	10.9	2.24	0.16
21.33	28.8	0.50	1.74	20.4	6	98.7	1.05	1.05	0.00	0.98	11.0	10.8	2.22	0.16
21.49	28.4	0.46	1.63	24.2	6	98.7	1.06	1.06	0.00	0.97	10.9	10.6	2.18	0.15
21.65	28.5	0.42	1.48	26.4	6	98.7	1.07	1.07	0.00	0.97	10.9	10.6	2.19	0.14
21.82	28.9	0.42	1.46	29.4	6	98.7	1.08	1.08	0.00	0.96	11.1	10.7	2.22	0.13
21.98	31.1	0.61	1.97	31.5	6	98.7	1.08	1.08	0.00	0.96	11.9	11.4	2.40	0.20
[illegible].15	34.2	0.65	1.90	32.3	6	98.7	1.09	1.09	0.00	0.96	13.1	12.5	2.65	0.18
[illegible]31	36.8	0.73	1.99	19.1	6	98.7	1.10	1.10	0.00	0.95	14.1	13.5	2.86	0.18
[illegible].47	29.8	0.58	1.95	4.2	6	98.7	1.11	1.11	0.00	0.95	11.4	10.8	2.29	0.23
22.64	28.6	0.54	1.89	7.9	6	98.7	1.12	1.12	0.00	0.95	11.0	10.4	2.20	0.23
22.80	30.7	0.48	1.57	9.3	6	98.7	1.12	1.12	0.00	0.94	11.8	11.1	2.37	0.15
22.97	31.2	0.54	1.73	13.0	6	98.7	1.13	1.13	0.00	0.94	12.0	11.2	2.41	0.17
23.13	35.1	0.55	1.57	15.3	6	98.7	1.14	1.14	0.00	0.94	13.4	12.6	2.71	0.14
23.29	35.5	0.60	1.70	20.3	6	98.7	1.15	1.15	0.00	0.93	13.6	12.7	2.75	0.16
23.46	38.0	0.60	1.58	19.6	7	98.7	1.16	1.16	0.00	0.93	12.1	11.3	UnDef	0.14
23.62	30.0	0.61	2.04	3.2	6	98.7	1.16	1.16	0.00	0.93	11.5	10.6	2.31	0.30
23.79	30.6	0.61	2.00	4.3	6	98.7	1.17	1.17	0.00	0.92	11.7	10.8	2.35	0.28
23.95	33.4	0.57	1.71	5.8	6	98.7	1.18	1.18	0.00	0.92	12.8	11.8	2.58	0.17
24.11	31.5	0.60	1.91	7.4	6	98.7	1.19	1.19	0.00	0.92	12.1	11.1	2.42	0.24
24.28	36.2	0.65	1.80	7.9	6	98.7	1.20	1.20	0.00	0.91	13.9	12.7	2.80	0.18
24.44	36.3	0.48	1.33	10.2	7	98.7	1.20	1.20	0.00	0.91	11.6	10.5	UnDef	0.13
24.61	49.2	0.37	0.75	10.9	7	98.7	1.21	1.21	0.00	0.91	15.7	14.3	UnDef	0.11
24.77	56.5	0.34	0.60	1.0	8	101.8	1.22	1.22	0.00	0.91	13.5	12.3	UnDef	0.11
24.93	60.1	0.39	0.65	0.5	8	101.8	1.23	1.23	0.00	0.90	14.4	13.0	UnDef	0.12
25.10	71.3	0.57	0.80	0.0	8	101.8	1.24	1.24	0.00	0.90	17.1	15.3	UnDef	0.14
25.26	83.9	0.71	0.85	0.2	8	101.8	1.25	1.25	0.00	0.90	20.1	18.0	UnDef	0.16
25.43	86.4	0.71	0.82	0.3	8	101.8	1.25	1.25	0.00	0.89	20.7	18.5	UnDef	0.16
25.59	72.8	0.68	0.94	-0.2	8	101.8	1.26	1.26	0.00	0.89	17.4	15.5	UnDef	0.14
25.75	70.5	0.61	0.87	-0.1	8	101.8	1.27	1.27	0.00	0.89	16.9	15.0	UnDef	0.14
25.92	65.7	0.64	0.98	0.2	8	101.8	1.28	1.28	0.00	0.88	15.7	13.9	UnDef	0.14
26.08	61.1	0.85	1.40	0.1	7	98.7	1.29	1.29	0.00	0.88	19.5	17.2	UnDef	0.16
26.25	58.3	1.20	2.06	0.2	7	98.7	1.30	1.30	0.00	0.88	18.6	16.4	UnDef	0.22
26.41	52.3	1.39	2.66	-0.1	6	98.7	1.30	1.30	0.00	0.88	20.0	17.6	4.08	0.36
26.57	51.2	1.28	2.51	-0.4	6	98.7	1.31	1.31	0.00	0.87	19.6	17.1	3.99	0.32
26.74	53.9	1.01	1.88	-1.0	7	98.7	1.32	1.32	0.00	0.87	17.2	15.0	UnDef	0.19
26.90	68.5	1.01	1.48	-0.5	7	98.7	1.33	1.33	0.00	0.87	21.9	19.0	UnDef	0.17
27.07	106.6	0.97	0.91	-0.2	8	101.8	1.34	1.34	0.00	0.87	25.5	22.1	UnDef	0.21
27.23	140.2	1.24	0.89	0.2	9	101.8	1.34	1.34	0.00	0.86	26.9	23.2	UnDef	0.31
[illegible]39	171.5	1.42	0.83	0.4	9	101.8	1.35	1.35	0.00	0.86	32.9	28.2	UnDef	0.43
[illegible]56	192.9	0.02	0.01	0.4	10	127.3	1.36	1.36	0.00	0.86	30.8	26.4	UnDef	0.00
[illegible].72	196.8	0.02	0.01	0.5	10	127.3	1.37	1.37	0.00	0.85	31.4	26.8	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4155
'ob No: 99-315
ent: Stone & Webster Engineering
oject: Private Fuel Storage Faclity
Site: CPT-9
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 09:31
CPT File: 315CP09.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	981.4	0.33	10	11.5	0.0	11.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.7
0.33	5.0E-05	0.00	907.9	0.17	10	23.0	0.0	23.0	0.0	50	67.9	10.0	-0.23	0.0	9.2
0.49	5.0E-05	0.00	502.9	0.19	10	20.6	0.0	20.6	0.0	48	57.8	10.0	-0.19	0.0	8.2
0.66	5.0E-05	0.00	346.8	0.20	10	19.6	0.0	19.6	0.0	48	51.8	10.0	-0.16	0.0	7.8
0.82	5.0E-05	0.00	283.5	0.19	10	20.4	0.0	20.4	0.0	46	49.6	10.0	-0.14	0.0	8.2
0.98	5.0E-05	0.00	241.3	0.18	10	21.2	0.0	21.2	0.0	46	47.8	10.0	-0.12	0.0	8.5
1.15	5.0E-05	0.00	237.1	0.16	10	24.5	0.0	24.5	0.0	46	49.6	10.0	-0.11	0.0	9.8
1.31	5.0E-05	0.00	222.3	0.15	10	26.4	0.0	26.4	0.0	46	49.8	10.0	-0.09	0.0	10.6
48	5.0E-05	0.00	208.3	0.14	10	28.0	0.0	28.0	0.0	46	49.7	10.0	-0.08	0.0	11.2
.64	5.0E-05	0.00	204.7	0.13	10	30.7	0.0	30.7	0.0	46	50.8	10.0	-0.08	0.0	12.3
1.80	5.0E-04	0.00	200.2	0.12	10	33.2	0.0	33.2	0.0	46	51.5	1.0	-0.07	0.0	11.1
1.97	5.0E-04	0.00	222.3	0.10	10	40.3	0.0	40.3	0.0	46	55.8	1.0	-0.06	0.0	13.4
2.13	5.0E-05	0.00	237.7	1.03	9	46.7	0.2	47.0	5.2	46	58.9	10.0	-0.27	0.1	18.8
2.30	5.0E-05	0.00	260.1	1.54	9	55.2	3.5	58.7	7.3	46	62.6	10.0	-0.33	0.9	22.9
2.46	5.0E-04	0.00	301.1	1.41	9	68.5	1.7	70.2	5.9	46	67.8	1.0	-0.33	0.4	23.2
2.62	5.0E-04	0.00	289.3	1.10	9	70.3	0.0	70.3	4.6	46	67.6	1.0	-0.30	0.0	23.4
2.79	5.0E-04	0.00	265.7	1.51	9	68.7	4.0	72.7	7.0	46	66.0	1.0	-0.33	0.8	23.7
2.95	5.0E-05	0.00	206.7	2.21	9	56.8	11.9	68.7	11.5	46	59.7	10.0	-0.36	2.8	25.5
3.12	5.0E-05	0.00	162.9	2.41	7	47.3	14.9	62.2	14.0	44	53.7	10.0	-0.35	3.3	22.3
3.28	5.0E-05	0.00	147.4	2.14	7	45.2	13.5	58.6	13.6	44	51.6	10.0	-0.32	3.0	21.1
3.44	5.0E-05	0.00	131.3	1.60	9	42.3	9.7	52.0	12.0	44	49.0	10.0	-0.26	2.2	19.2
3.61	5.0E-05	0.00	102.2	1.68	7	34.6	11.7	46.3	14.5	42	42.6	10.0	-0.24	2.6	16.4
3.77	5.0E-05	0.00	76.4	1.58	7	27.2	12.3	39.4	16.7	40	35.0	10.0	-0.21	2.6	13.5
3.94	5.0E-05	0.00	71.1	0.88	9	26.4	7.0	33.4	12.8	40	33.6	10.0	-0.14	1.6	12.1
4.10	5.0E-05	0.00	65.7	0.38	9	25.5	0.0	25.5	5.0	40	31.9	10.0	-0.07	0.0	10.2
4.27	5.0E-05	0.00	61.6	0.16	9	24.9	0.0	24.9	5.0	40	30.7	10.0	0.01	0.0	9.9
4.43	5.0E-05	0.01	64.3	0.22	9	26.9	0.0	26.9	5.0	40	32.4	10.0	-0.02	0.0	10.8
4.59	5.0E-05	0.01	68.8	0.26	9	29.9	0.0	29.9	5.0	40	34.9	10.0	-0.04	0.0	12.0
4.76	5.0E-05	0.01	84.0	0.57	9	37.7	4.1	41.9	8.7	42	41.0	10.0	-0.12	1.0	16.1
4.92	5.0E-04	0.00	98.6	0.76	9	45.8	5.5	51.3	9.1	42	46.1	1.0	-0.16	1.1	16.4
5.09	5.0E-05	0.00	85.4	1.09	9	41.0	10.4	51.4	12.6	42	42.5	10.0	-0.18	2.4	18.8
5.25	5.0E-05	0.01	85.4	0.92	9	42.4	8.7	51.1	11.4	42	42.9	10.0	-0.16	2.0	18.8
5.41	5.0E-05	0.01	78.4	1.02	9	39.9	10.6	50.6	12.9	42	41.0	10.0	-0.17	2.4	18.0
5.58	5.0E-05	0.01	85.5	1.03	9	44.1	10.5	54.7	12.2	42	43.8	10.0	-0.17	2.4	19.6
5.74	5.0E-05	0.00	78.1	1.37	7	41.0	15.4	56.4	15.2	42	41.7	10.0	-0.19	3.3	19.4
5.91	5.0E-05	0.01	79.7	1.31	7	42.4	14.7	57.1	14.6	42	42.7	10.0	-0.19	3.2	19.8
6.07	5.0E-05	0.00	67.5	1.35	7	36.5	16.3	52.9	16.6	40	38.4	10.0	-0.18	3.4	17.7
6.23	5.0E-05	0.00	57.7	1.26	7	31.7	16.1	47.8	17.6	40	34.3	10.0	-0.16	3.3	15.7
6.40	5.0E-05	0.00	56.8	1.24	7	31.6	16.3	47.9	17.7	40	34.3	10.0	-0.15	3.3	15.7
56	5.0E-05	0.00	54.6	1.20	7	30.8	16.2	47.0	17.9	40	33.5	10.0	-0.15	3.3	15.4
73	5.0E-05	0.00	49.1	1.18	7	28.1	16.7	44.8	18.9	38	30.9	6.0	-0.13	3.3	14.4
.89	5.0E-05	0.01	50.0	1.07	7	29.0	15.3	44.2	17.9	38	31.8	10.0	-0.13	3.1	14.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4155
CPT File: 315CP09.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	49.4	1.12	7	29.0	16.2	45.1	18.4	38	31.8	6.0	-0.13	3.3	14.6
7.22	5.0E-05	0.01	45.2	1.26	7	26.9	18.9	45.8	20.5	38	30.0	6.0	-0.13	3.7	14.2
7.38	5.0E-05	0.01	47.0	1.00	7	28.2	15.2	43.5	18.1	38	31.0	6.0	-0.11	3.1	14.2
7.55	5.0E-05	0.02	45.5	1.07	7	27.6	16.6	44.3	19.1	38	30.4	6.0	-0.12	3.3	14.1
7.71	5.0E-05	0.02	47.0	1.47	7	28.9	22.6	51.5	21.4	38	31.7	6.0	-0.15	4.3	15.6
7.87	5.0E-05	0.02	49.8	1.46	7	30.9	22.3	53.1	20.7	38	33.6	6.0	-0.15	4.3	16.4
8.04	5.0E-05	0.04	49.1	1.61	7	30.7	25.0	55.8	21.8	38	33.5	6.0	-0.16	4.7	16.7
8.20	5.0E-05	0.04	50.9	1.57	7	32.2	24.3	56.5	21.1	38	34.8	10.0	-0.16	4.6	17.2
8.37	5.0E-05	0.05	47.2	1.66	7	30.2	26.7	56.9	22.6	38	33.0	6.0	-0.16	4.9	16.7
8.53	5.0E-05	0.06	48.9	1.42	7	31.6	22.7	54.3	20.6	38	34.3	6.0	-0.15	4.4	16.7
8.69	5.0E-05	0.06	45.6	1.39	7	29.8	23.0	52.8	21.3	38	32.5	6.0	-0.14	4.4	16.0
8.86	5.0E-05	0.06	42.8	1.46	7	28.2	24.9	53.2	22.6	38	31.0	6.0	-0.13	4.6	15.6
9.02	5.0E-05	0.06	44.4	1.79	7	29.6	30.8	60.4	24.1	38	32.4	6.0	-0.16	5.4	17.0
9.19	5.0E-05	0.04	52.8	1.69	7	35.3	27.5	62.8	21.4	40	37.5	10.0	-0.17	5.2	19.0
9.35	5.0E-05	0.04	48.2	1.86	7	32.6	31.8	64.4	23.5	38	35.2	6.0	-0.17	5.7	18.5
9.51	5.0E-05	0.04	48.9	1.89	7	33.4	32.5	65.9	23.5	38	35.8	6.0	-0.18	5.8	18.9
9.68	5.0E-05	0.02	47.5	1.87	7	32.7	32.7	65.4	23.7	38	35.2	6.0	-0.17	5.8	18.6
9.84	5.0E-05	0.03	47.2	2.16	7	32.8	39.1	71.9	25.4	38	35.3	6.0	-0.19	6.6	19.5
10.01	5.0E-05	0.02	49.9	1.80	7	34.9	31.4	66.3	22.7	38	37.1	6.0	-0.18	5.7	19.4
10.17	5.0E-05	0.02	45.8	2.02	7	32.3	37.3	69.6	25.1	38	34.9	6.0	-0.18	6.4	19.0
10.33	5.0E-05	0.01	45.5	1.70	7	32.4	30.9	63.3	23.3	38	35.0	6.0	-0.16	5.6	18.3
10.50	5.0E-05	0.02	38.8	1.75	7	28.0	34.7	62.7	25.7	38	30.8	6.0	-0.15	5.8	16.8
10.66	5.0E-05	0.03	38.2	1.65	7	27.8	33.0	60.7	25.3	38	30.6	6.0	-0.14	5.6	16.5
10.83	5.0E-05	0.03	37.8	1.65	7	27.7	33.3	61.0	25.5	38	30.4	6.0	-0.14	5.6	16.4
10.99	5.0E-05	0.03	38.9	1.67	7	28.7	33.7	62.3	25.2	38	31.5	6.0	-0.14	5.7	16.9
11.15	5.0E-05	0.03	41.7	1.49	7	30.9	29.0	59.9	23.1	38	33.6	6.0	-0.14	5.3	17.4
11.32	5.0E-05	0.04	40.2	1.62	7	30.0	32.3	62.4	24.4	38	32.8	6.0	-0.14	5.6	17.4
11.48	5.0E-05	0.04	40.3	1.46	7	30.3	29.1	59.4	23.3	38	33.1	6.0	-0.13	5.2	17.1
.65	5.0E-05	0.05	38.5	1.55	7	29.2	31.9	61.2	24.6	38	32.0	6.0	-0.13	5.5	17.0
81	5.0E-05	0.05	38.1	1.73	7	29.1	36.5	65.6	25.8	38	31.9	6.0	-0.14	6.1	17.5
.97	5.0E-05	0.05	38.1	1.57	7	29.3	33.0	62.3	24.8	38	32.1	6.0	-0.13	5.7	17.2
12.14	5.0E-05	0.05	40.5	1.58	7	31.3	32.6	63.9	24.1	38	34.0	6.0	-0.14	5.7	18.0
12.30	5.0E-05	0.02	34.4	1.30	7	26.9	28.9	55.8	24.4	36	30.0	6.0	-0.11	5.0	15.6
12.47	5.0E-04	0.00	50.5	0.71	9	39.4	14.1	53.5	14.9	38	40.6	1.0	-0.09	2.5	15.4
12.63	5.0E-04	0.00	58.2	0.81	9	45.6	14.7	60.4	14.1	40	44.8	1.0	-0.12	2.7	17.6
12.80	5.0E-03	0.00	78.4	0.65	9	61.6	9.5	71.1	10.0	42	53.4	1.0	-0.13	1.4	16.4
12.96	5.0E-04	0.00	72.8	0.61	9	57.6	9.4	67.0	10.3	40	51.5	1.0	-0.11	1.8	20.6
13.12	5.0E-03	0.00	67.3	0.49	9	53.6	0.0	53.6	5.0	40	49.4	1.0	-0.09	0.0	13.1
13.29	5.0E-04	0.00	64.9	0.54	9	52.1	9.4	61.5	10.7	40	48.6	1.0	-0.10	1.8	18.8
13.45	5.0E-04	0.00	63.9	0.76	9	51.7	13.6	65.3	12.8	40	48.3	1.0	-0.12	2.5	19.4
13.62	5.0E-04	0.00	57.1	1.23	7	46.5	23.6	70.1	17.6	40	45.3	1.0	-0.15	4.0	19.2
13.78	5.0E-05	0.00	47.4	1.78	7	39.0	37.1	76.1	23.3	38	40.3	6.0	-0.17	6.7	22.0
13.94	5.0E-05	0.00	39.3	2.01	7	32.6	46.9	79.6	27.1	38	35.2	6.0	-0.16	7.5	20.2
14.11	5.0E-05	0.00	35.6	1.83	7	29.8	44.4	74.3	27.4	38	32.6	6.0	-0.14	7.0	18.7
14.27	5.0E-05	0.01	38.3	1.64	7	32.2	37.9	70.1	25.2	38	34.8	6.0	-0.14	6.4	19.0
14.44	5.0E-04	0.00	46.5	1.31	7	39.1	27.7	66.8	20.5	38	40.4	1.0	-0.14	4.5	17.2
14.60	5.0E-04	0.00	67.2	0.77	9	56.5	14.0	70.5	12.4	40	50.9	1.0	-0.13	2.6	21.0
14.76	5.0E-03	0.00	69.0	0.64	9	58.4	11.3	69.7	11.1	40	51.9	1.0	-0.11	1.6	15.9
14.93	5.0E-03	0.00	69.7	0.47	9	59.3	0.0	59.3	5.0	40	52.3	1.0	-0.09	0.0	14.5
15.09	5.0E-03	0.00	67.9	0.70	9	58.1	12.7	70.8	11.7	40	51.7	1.0	-0.12	1.8	16.0
15.26	5.0E-04	0.00	60.1	1.04	7	51.8	20.7	72.5	15.7	40	48.4	1.0	-0.14	3.7	20.6
15.42	5.0E-04	0.00	54.0	1.64	7	46.9	34.3	81.2	20.8	40	45.6	1.0	-0.18	5.5	20.8
15.58	5.0E-04	0.00	54.0	1.40	7	47.2	29.3	76.5	19.4	40	45.7	1.0	-0.16	4.9	20.2
15.75	5.0E-04	0.00	66.1	1.31	7	57.8	25.7	83.6	16.5	40	51.6	1.0	-0.17	4.5	23.4
15.91	5.0E-04	0.00	64.6	1.29	7	56.9	25.6	82.4	16.6	40	51.1	1.0	-0.17	4.5	23.0
16.08	5.0E-04	0.00	56.6	1.63	7	50.1	34.5	84.6	20.3	40	47.5	1.0	-0.18	5.6	21.9
16.24	5.0E-04	0.00	62.6	1.38	7	55.7	28.1	83.8	17.6	40	50.5	1.0	-0.17	4.8	23.0
16.40	5.0E-04	0.00	74.9	1.01	9	66.7	18.9	85.6	13.3	40	55.7	1.0	-0.16	3.5	25.2
16.57	5.0E-03	0.00	83.8	0.78	9	75.0	12.9	87.8	10.5	42	59.0	1.0	-0.15	1.9	20.2
16.73	5.0E-03	0.00	71.8	0.90	9	64.7	17.1	81.7	12.8	40	54.8	1.0	-0.15	2.4	18.2
90	5.0E-04	0.00	61.5	1.63	7	55.8	34.3	90.1	19.3	40	50.5	1.0	-0.19	5.7	23.9
06	5.0E-05	0.00	48.9	1.88	7	44.7	43.4	88.2	23.5	38	44.2	6.0	-0.18	7.8	25.3
17.22	5.0E-04	0.00	50.8	1.88	7	46.7	43.1	89.8	23.0	38	45.4	1.0	-0.18	6.5	21.8
17.39	5.0E-04	0.00	50.5	1.67	7	46.7	38.0	84.6	21.8	38	45.4	1.0	-0.17	5.9	21.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4155
CPT File: 315CP09.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	44.4	2.32	7	41.3	59.2	100.6	27.1	38	42.0	6.0	-0.19	9.4	25.6
17.72	5.0E-05	0.00	39.5	2.62	6	37.0	75.9	112.9	30.2	38	38.8	6.0	-0.20	10.5	25.0
17.88	5.0E-05	0.00	39.8	2.46	7	37.4	69.2	106.7	29.3	38	39.1	6.0	-0.19	10.0	24.7
18.04	5.0E-05	0.00	34.9	2.26	7	33.2	67.7	100.9	30.1	38	35.6	6.0	-0.16	9.4	22.4
18.21	5.0E-05	0.01	31.9	2.03	7	30.5	63.2	93.7	30.3	36	33.2	6.0	-0.14	8.7	20.6
18.37	5.0E-05	0.01	36.3	1.59	7	34.7	42.5	77.3	25.6	38	37.0	6.0	-0.13	7.1	20.7
18.54	5.0E-04	0.00	41.6	1.56	7	39.8	39.2	79.1	23.6	38	40.9	1.0	-0.14	5.8	18.8
18.70	5.0E-04	0.00	41.1	1.38	7	39.5	34.8	74.4	22.5	38	40.7	1.0	-0.13	5.3	18.2
18.86	5.0E-04	0.00	42.6	1.19	7	41.1	29.8	71.0	20.8	38	41.8	1.0	-0.12	4.8	18.2
19.03	5.0E-04	0.00	42.9	1.32	7	41.6	33.1	74.7	21.6	38	42.1	1.0	-0.13	5.2	18.8
19.19	5.0E-04	0.00	43.2	1.60	7	42.0	40.3	82.4	23.3	38	42.4	1.0	-0.15	6.1	19.8
19.36	5.0E-04	0.00	41.7	1.79	7	40.8	46.6	87.5	25.0	38	41.6	1.0	-0.16	6.7	20.0
19.52	5.0E-04	0.00	42.2	1.38	7	41.4	35.4	76.8	22.3	38	42.0	1.0	-0.13	5.5	19.0
19.68	5.0E-04	0.00	42.2	1.35	7	41.6	34.6	76.2	22.0	38	42.2	1.0	-0.13	5.4	19.0
19.85	5.0E-04	0.00	45.1	1.07	7	44.6	27.0	71.6	19.1	38	44.1	1.0	-0.12	4.5	19.0
20.01	5.0E-04	0.00	50.8	0.90	7	50.4	22.0	72.4	16.4	38	47.6	1.0	-0.11	3.9	20.3
20.18	5.0E-04	0.00	46.2	0.79	7	46.0	20.4	66.4	16.5	38	45.0	1.0	-0.09	3.6	18.6
20.34	5.0E-04	0.00	41.9	1.03	7	42.0	27.1	69.1	19.7	38	42.4	1.0	-0.11	4.5	18.2
20.51	5.0E-04	0.00	36.4	1.50	7	36.8	42.1	78.9	25.0	38	38.6	1.0	-0.13	6.0	18.0
20.67	5.0E-05	0.00	32.1	1.99	7	32.7	64.9	97.6	29.9	36	35.2	6.0	-0.14	9.1	21.9
20.83	5.0E-05	0.00	28.8	1.86	7	29.6	65.4	95.0	30.8	36	32.4	6.0	-0.12	8.8	20.3
21.00	5.0E-05	0.01	27.3	1.92	7	28.2	72.4	100.6	32.0	36	31.0	6.0	-0.12	9.0	20.1
21.16	5.0E-05	0.02	26.8	1.83	7	27.8	69.1	96.9	31.7	36	30.6	6.0	-0.11	8.8	19.6
21.33	5.0E-05	0.02	26.4	1.80	7	27.5	69.0	96.6	31.8	36	30.3	6.0	-0.11	8.7	19.5
21.49	5.0E-05	0.03	25.8	1.69	7	27.0	64.8	91.7	31.4	34	30.0	6.0	-0.10	8.3	18.9
21.65	5.0E-05	0.03	25.7	1.54	7	27.0	57.1	84.1	30.4	34	30.0	6.0	-0.09	7.8	18.4
21.82	5.0E-05	0.03	25.9	1.51	7	27.3	55.9	83.1	30.2	34	30.0	6.0	-0.09	7.7	18.4
21.98	5.0E-05	0.03	27.7	2.04	6	29.2	80.8	110.0	32.5	36	32.0	6.0	-0.12	9.7	21.1
[illegible].15	5.0E-05	0.03	30.3	1.97	7	32.0	69.5	101.5	30.6	36	34.7	6.0	-0.13	9.4	21.9
31	5.0E-05	0.02	32.5	2.05	7	34.4	69.5	103.9	30.1	36	36.7	6.0	-0.14	9.7	23.1
[illegible].47	5.0E-05	0.00	25.9	2.03	6	27.7	88.3	116.0	33.5	34	30.5	6.0	-0.12	9.9	20.7
22.64	5.0E-05	0.01	24.6	1.97	6	26.5	90.8	117.3	34.0	34	30.0	6.0	-0.11	9.7	20.1
22.80	5.0E-05	0.01	26.3	1.63	7	28.3	61.8	90.2	30.7	34	31.1	6.0	-0.10	8.3	19.4
22.97	5.0E-05	0.01	26.6	1.80	7	28.7	70.9	99.6	31.7	36	31.5	6.0	-0.11	9.0	20.3
23.13	5.0E-05	0.01	29.8	1.62	7	32.2	55.7	87.9	28.8	36	34.7	6.0	-0.11	8.3	20.9
23.29	5.0E-05	0.02	29.9	1.75	7	32.4	61.4	93.8	29.5	36	35.0	6.0	-0.12	8.8	21.5
23.46	5.0E-04	0.02	31.8	1.63	7	34.6	53.8	88.4	27.8	36	36.8	1.0	-0.12	6.9	18.2
23.62	5.0E-05	0.00	24.8	2.12	6	27.2	106.5	133.6	34.8	34	30.0	6.0	-0.12	10.6	21.2
23.79	5.0E-05	0.00	25.1	2.08	6	27.6	100.5	128.1	34.4	34	30.4	6.0	-0.12	10.4	21.2
23.95	5.0E-05	0.01	27.3	1.77	7	30.1	68.8	98.9	31.0	36	32.9	6.0	-0.11	9.1	20.9
24.11	5.0E-05	0.01	25.5	1.99	6	28.2	90.4	118.7	33.5	34	31.0	6.0	-0.11	10.1	21.1
24.28	5.0E-05	0.01	29.2	1.86	7	32.4	69.5	101.9	30.6	36	35.0	6.0	-0.12	9.4	22.1
24.44	5.0E-04	0.01	29.1	1.37	7	32.3	47.7	80.0	27.3	36	34.9	1.0	-0.10	6.3	16.8
24.61	5.0E-04	0.01	39.6	0.77	7	43.7	23.8	67.5	18.2	38	43.5	1.0	-0.08	4.0	18.3
24.77	5.0E-03	0.00	45.3	0.62	9	50.1	18.5	68.5	15.1	38	47.5	1.0	-0.07	2.5	14.7
24.93	5.0E-03	0.00	47.9	0.66	9	53.1	19.2	72.2	14.9	38	49.1	1.0	-0.08	2.6	15.6
25.10	5.0E-03	0.00	56.6	0.82	9	62.7	21.4	84.1	14.5	40	53.9	1.0	-0.12	2.9	18.2
25.26	5.0E-03	0.00	66.4	0.86	9	73.6	20.9	94.5	13.3	40	58.5	1.0	-0.14	2.9	20.9
25.43	5.0E-03	0.00	67.9	0.84	9	75.5	20.1	95.6	12.9	40	59.2	1.0	-0.14	2.8	21.3
25.59	5.0E-03	0.00	56.7	0.95	7	63.4	25.1	88.5	15.6	40	54.2	1.0	-0.13	3.3	18.9
25.75	5.0E-03	0.00	54.4	0.88	7	61.2	23.8	85.0	15.5	40	53.2	1.0	-0.12	3.2	18.1
25.92	5.0E-03	0.00	50.3	1.00	7	56.8	27.7	84.5	17.3	38	51.1	1.0	-0.12	3.6	17.5
26.08	5.0E-04	0.00	46.4	1.43	7	52.7	40.7	93.3	21.3	38	48.9	1.0	-0.15	6.4	23.6
26.25	5.0E-04	0.00	44.0	2.11	7	50.1	64.5	114.7	26.1	38	47.5	1.0	-0.18	8.9	25.2
26.41	5.0E-05	0.00	39.1	2.73	6	44.8	99.9	144.7	30.9	38	44.3	6.0	-0.20	13.3	30.9
26.57	5.0E-05	0.00	38.0	2.57	6	43.7	93.5	137.2	30.5	38	43.6	6.0	-0.19	12.7	29.8
26.74	5.0E-04	0.00	39.8	1.92	7	45.9	61.2	107.1	26.4	38	45.0	1.0	-0.16	8.3	23.3
26.90	5.0E-04	0.00	50.6	1.51	7	58.2	42.4	100.6	20.8	38	51.8	1.0	-0.16	6.8	25.8
27.07	5.0E-03	0.00	78.7	0.92	9	90.2	21.3	111.5	12.2	42	64.3	1.0	-0.16	3.0	25.1
27.23	5.0E-02	0.00	103.3	0.90	9	118.3	16.8	135.1	9.7	42	72.1	1.0	-0.18	2.0	25.1
[illegible]39	5.0E-02	0.00	125.8	0.84	9	144.3	11.6	155.9	7.8	44	77.8	1.0	-0.19	1.4	29.6
[illegible]6	5.0E+00	0.00	140.6	0.01	10	161.7	0.0	161.7	3.2	44	81.0	1.0	0.16	0.0	26.4
[illegible].72	5.0E+00	0.00	142.4	0.01	10	164.4	0.0	164.4	3.2	44	81.5	1.0	0.16	0.0	26.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4199
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-10
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 08:58
CPT File: 315CP10.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	2.0	0.02	1.00	0.2	1	74.5	0.01	0.01	0.00	2.00	1.0	1.9	0.16	0.00
0.33	4.6	0.02	0.44	0.2	1	74.5	0.01	0.01	0.00	2.00	2.2	4.4	0.37	0.00
0.49	9.5	0.02	0.21	-0.3	6	98.7	0.02	0.02	0.00	2.00	3.6	7.3	0.76	0.00
0.66	14.4	0.02	0.14	-0.4	6	98.7	0.03	0.03	0.00	2.00	5.5	11.1	1.15	0.00
0.82	13.5	0.02	0.15	-0.2	6	98.7	0.04	0.04	0.00	2.00	5.2	10.3	1.08	0.00
0.98	12.4	0.02	0.16	-0.3	6	98.7	0.04	0.04	0.00	2.00	4.7	9.5	0.99	0.00
1.15	12.8	0.02	0.16	-0.3	6	98.7	0.05	0.05	0.00	2.00	4.9	9.8	1.02	0.00
31	17.2	0.02	0.12	-0.1	7	98.7	0.06	0.06	0.00	2.00	5.5	11.0	UnDef	0.08
1.48	24.1	0.02	0.08	-0.1	7	98.7	0.07	0.07	0.00	2.00	7.7	15.4	UnDef	0.09
1.64	29.0	0.02	0.07	-0.3	7	98.7	0.08	0.08	0.00	2.00	9.3	18.5	UnDef	0.10
1.80	29.3	0.02	0.07	-0.3	7	98.7	0.08	0.08	0.00	2.00	9.4	18.7	UnDef	0.10
1.97	25.9	0.02	0.08	-0.4	7	98.7	0.09	0.09	0.00	2.00	8.3	16.5	UnDef	0.09
2.13	22.6	0.02	0.09	-0.3	7	98.7	0.10	0.10	0.00	2.00	7.2	14.4	UnDef	0.09
2.30	22.1	0.02	0.09	-0.3	7	98.7	0.11	0.11	0.00	2.00	7.1	14.1	UnDef	0.09
2.46	21.8	0.02	0.09	-0.1	7	98.7	0.12	0.12	0.00	2.00	7.0	13.9	UnDef	0.09
2.62	18.1	0.02	0.11	0.1	7	98.7	0.12	0.12	0.00	2.00	5.8	11.6	UnDef	0.08
2.79	16.8	0.02	0.12	0.0	7	98.7	0.13	0.13	0.00	2.00	5.4	10.7	UnDef	0.08
2.95	18.6	0.02	0.11	0.2	7	98.7	0.14	0.14	0.00	2.00	5.9	11.9	UnDef	0.08
3.12	26.7	0.05	0.19	0.3	7	98.7	0.15	0.15	0.00	2.00	8.5	17.1	UnDef	0.09
3.28	29.1	0.24	0.83	-0.1	7	98.7	0.16	0.16	0.00	2.00	9.3	18.6	UnDef	0.10
3.44	25.2	0.35	1.39	0.1	6	98.7	0.16	0.16	0.00	2.00	9.7	19.3	2.01	0.10
3.61	21.5	0.42	1.96	0.0	6	98.7	0.17	0.17	0.00	2.00	8.2	16.4	1.70	0.10
3.77	17.6	0.24	1.36	-0.9	6	98.7	0.18	0.18	0.00	2.00	6.8	13.5	1.40	0.09
3.94	12.3	0.09	0.73	-0.6	6	98.7	0.19	0.19	0.00	2.00	4.7	9.4	0.97	0.00
4.10	10.5	0.02	0.19	-0.6	6	98.7	0.20	0.20	0.00	2.00	4.0	8.0	0.82	0.00
4.27	8.7	0.02	0.23	-0.1	1	74.5	0.20	0.20	0.00	2.00	4.2	8.3	0.68	0.00
4.43	8.6	0.02	0.23	0.1	1	74.5	0.21	0.21	0.00	2.00	4.1	8.2	0.67	0.00
4.59	9.6	0.02	0.21	0.0	6	98.7	0.22	0.22	0.00	2.00	3.7	7.4	0.75	0.00
4.76	10.8	0.02	0.19	0.1	6	98.7	0.23	0.23	0.00	2.00	4.1	8.3	0.85	0.00
4.92	11.4	0.02	0.18	-0.2	6	98.7	0.23	0.23	0.00	2.00	4.4	8.8	0.90	0.00
5.09	12.7	0.02	0.16	-0.1	6	98.7	0.24	0.24	0.00	2.00	4.8	9.7	0.99	0.00
5.25	13.3	0.02	0.15	-2.2	6	98.7	0.25	0.25	0.00	2.00	5.1	10.2	1.04	0.00
5.41	12.8	0.02	0.16	-2.5	6	98.7	0.26	0.26	0.00	1.97	4.9	9.7	1.01	0.00
5.58	13.2	0.02	0.15	-0.2	6	98.7	0.27	0.27	0.00	1.94	5.0	9.8	1.03	0.00
5.74	11.6	0.02	0.17	-0.2	6	98.7	0.27	0.27	0.00	1.91	4.4	8.5	0.90	0.00
5.91	12.6	0.02	0.16	-0.4	6	98.7	0.28	0.28	0.00	1.88	4.8	9.1	0.98	0.00
6.07	13.2	0.02	0.15	-0.4	6	98.7	0.29	0.29	0.00	1.86	5.1	9.4	1.03	0.00
6.23	12.8	0.02	0.16	-0.3	6	98.7	0.30	0.30	0.00	1.83	4.9	9.0	1.00	0.00
40	13.2	0.02	0.15	-1.7	6	98.7	0.31	0.31	0.00	1.81	5.1	9.1	1.03	0.00
56	13.2	0.04	0.30	-0.2	6	98.7	0.31	0.31	0.00	1.78	5.1	9.0	1.03	0.00
6.73	13.0	0.06	0.46	0.2	6	98.7	0.32	0.32	0.00	1.76	5.0	8.7	1.01	0.00
6.89	13.1	0.06	0.46	-3.8	6	98.7	0.33	0.33	0.00	1.74	5.0	8.7	1.02	0.00

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4199
CPT File: 315CP10.COR

th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	12.1	0.06	0.50	-4.0	6	98.7	0.34	0.34	0.00	1.72	4.6	7.9	0.94	0.08
7.22	12.7	0.09	0.71	-1.2	6	98.7	0.35	0.35	0.00	1.70	4.9	8.3	0.99	0.08
7.38	13.5	0.12	0.89	-0.7	6	98.7	0.36	0.36	0.00	1.68	5.2	8.7	1.05	0.08
7.55	13.9	0.20	1.44	-0.3	6	98.7	0.36	0.36	0.00	1.66	5.3	8.8	1.08	0.09
7.71	15.1	0.18	1.20	0.6	6	98.7	0.37	0.37	0.00	1.64	5.8	9.5	1.18	0.09
7.87	14.6	0.20	1.38	0.7	6	98.7	0.38	0.38	0.00	1.62	5.6	9.1	1.14	0.09
8.04	15.3	0.22	1.44	1.2	6	98.7	0.39	0.39	0.00	1.61	5.9	9.4	1.20	0.09
8.20	14.3	0.17	1.19	1.6	6	98.7	0.40	0.40	0.00	1.59	5.5	8.7	1.11	0.09
8.37	14.1	0.16	1.14	5.5	6	98.7	0.40	0.40	0.00	1.57	5.4	8.5	1.09	0.09
8.53	15.7	0.18	1.15	11.9	6	98.7	0.41	0.41	0.00	1.56	6.0	9.4	1.22	0.09
8.69	17.4	0.18	1.04	14.9	6	98.7	0.42	0.42	0.00	1.54	6.7	10.3	1.36	0.09
8.86	17.3	0.18	1.05	17.2	6	98.7	0.43	0.43	0.00	1.53	6.6	10.1	1.35	0.09
9.02	16.2	0.18	1.11	16.6	6	98.7	0.44	0.44	0.00	1.51	6.2	9.4	1.26	0.09
9.19	18.6	0.22	1.19	6.6	6	98.7	0.44	0.44	0.00	1.50	7.1	10.7	1.45	0.09
9.35	18.4	0.24	1.31	6.6	6	98.7	0.45	0.45	0.00	1.49	7.0	10.5	1.43	0.09
9.51	20.6	0.30	1.46	12.3	6	98.7	0.46	0.46	0.00	1.47	7.9	11.6	1.61	0.10
9.68	19.9	0.27	1.36	15.7	6	98.7	0.47	0.47	0.00	1.46	7.6	11.2	1.56	0.09
9.84	20.5	0.26	1.27	18.6	6	98.7	0.48	0.48	0.00	1.45	7.9	11.4	1.60	0.09
10.01	18.7	0.23	1.23	16.2	6	98.7	0.48	0.48	0.00	1.44	7.2	10.3	1.46	0.09
10.17	18.0	0.18	1.00	17.1	6	98.7	0.49	0.49	0.00	1.42	6.9	9.8	1.40	0.09
10.33	17.7	0.15	0.85	9.6	6	98.7	0.50	0.50	0.00	1.41	6.8	9.6	1.37	0.09
10.50	14.8	0.15	1.02	4.8	6	98.7	0.51	0.51	0.00	1.40	5.7	7.9	1.14	0.09
10.66	14.6	0.12	0.82	4.2	6	98.7	0.52	0.52	0.00	1.39	5.6	7.8	1.13	0.09
10.83	14.3	0.16	1.12	1.1	6	98.7	0.53	0.53	0.00	1.38	5.5	7.6	1.10	0.09
10.99	17.3	0.19	1.10	0.2	6	98.7	0.53	0.53	0.00	1.37	6.6	9.1	1.34	0.09
11.15	16.6	0.23	1.39	0.1	6	98.7	0.54	0.54	0.00	1.36	6.4	8.6	1.29	0.10
11.32	16.4	0.27	1.65	4.9	6	98.7	0.55	0.55	0.00	1.35	6.3	8.5	1.27	0.10
11.48	17.7	0.29	1.65	7.9	6	98.7	0.56	0.56	0.00	1.34	6.8	9.1	1.37	0.10
11.65	18.2	0.22	1.21	9.8	6	98.7	0.57	0.57	0.00	1.33	7.0	9.3	1.41	0.09
91	24.7	0.26	1.05	0.4	6	98.7	0.57	0.57	0.00	1.32	9.5	12.5	1.93	0.09
97	23.5	0.24	1.02	-0.7	6	98.7	0.58	0.58	0.00	1.31	9.0	11.8	1.83	0.09
12.14	26.6	0.22	0.83	-0.8	7	98.7	0.59	0.59	0.00	1.30	8.5	11.1	UnDef	0.09
12.30	33.2	0.07	0.21	-1.1	7	98.7	0.60	0.60	0.00	1.29	10.6	13.7	UnDef	0.09
12.47	35.3	0.06	0.17	-1.0	8	101.8	0.61	0.61	0.00	1.28	8.4	10.8	UnDef	0.09
12.63	41.8	0.07	0.17	-0.9	8	101.8	0.61	0.61	0.00	1.28	10.0	12.8	UnDef	0.09
12.80	43.5	0.14	0.32	-0.7	8	101.8	0.62	0.62	0.00	1.27	10.4	13.2	UnDef	0.09
12.96	40.9	0.34	0.83	-0.7	7	98.7	0.63	0.63	0.00	1.26	13.1	16.4	UnDef	0.11
13.12	38.1	0.44	1.16	-0.8	7	98.7	0.64	0.64	0.00	1.25	12.2	15.2	UnDef	0.11
13.29	35.1	0.57	1.63	-1.0	6	98.7	0.65	0.65	0.00	1.24	13.5	16.7	2.76	0.12
13.45	31.8	0.52	1.64	-0.4	6	98.7	0.66	0.66	0.00	1.24	12.2	15.1	2.49	0.12
13.62	29.6	0.43	1.46	-1.1	6	98.7	0.66	0.66	0.00	1.23	11.3	13.9	2.31	0.11
13.78	28.2	0.37	1.32	-1.7	6	98.7	0.67	0.67	0.00	1.22	10.8	13.2	2.20	0.10
13.94	25.0	0.34	1.36	-0.9	6	98.7	0.68	0.68	0.00	1.21	9.6	11.6	1.94	0.10
14.11	22.2	0.31	1.40	2.2	6	98.7	0.69	0.69	0.00	1.21	8.5	10.3	1.72	0.10
14.27	23.9	0.24	1.01	5.4	6	98.7	0.70	0.70	0.00	1.20	9.2	11.0	1.86	0.09
14.44	36.4	0.24	0.66	7.3	7	98.7	0.70	0.70	0.00	1.19	11.6	13.9	UnDef	0.10
14.60	60.0	0.22	0.37	-0.7	8	101.8	0.71	0.71	0.00	1.19	14.4	17.0	UnDef	0.11
14.76	67.3	0.23	0.34	-0.8	8	101.8	0.72	0.72	0.00	1.18	16.1	19.0	UnDef	0.12
14.93	66.7	0.18	0.27	-0.8	8	101.8	0.73	0.73	0.00	1.17	16.0	18.7	UnDef	0.12
15.09	62.7	0.20	0.32	-0.9	8	101.8	0.74	0.74	0.00	1.16	15.0	17.5	UnDef	0.11
15.26	63.2	0.22	0.35	-0.6	8	101.8	0.75	0.75	0.00	1.16	15.1	17.5	UnDef	0.11
15.42	60.0	0.23	0.38	-0.5	8	101.8	0.75	0.75	0.00	1.15	14.4	16.5	UnDef	0.11
15.58	58.0	0.27	0.47	-0.7	8	101.8	0.76	0.76	0.00	1.15	13.9	15.9	UnDef	0.11
15.75	56.7	0.25	0.44	-0.6	8	101.8	0.77	0.77	0.00	1.14	13.6	15.5	UnDef	0.10
15.91	66.4	0.28	0.42	-0.5	8	101.8	0.78	0.78	0.00	1.13	15.9	18.0	UnDef	0.12
16.08	64.7	0.26	0.40	-0.4	8	101.8	0.79	0.79	0.00	1.13	15.5	17.5	UnDef	0.11
16.24	60.7	0.21	0.35	-0.4	8	101.8	0.80	0.80	0.00	1.12	14.5	16.3	UnDef	0.11
16.40	60.2	0.26	0.43	-0.4	8	101.8	0.80	0.80	0.00	1.12	14.4	16.1	UnDef	0.11
16.57	55.8	0.39	0.70	-0.4	8	101.8	0.81	0.81	0.00	1.11	13.4	14.8	UnDef	0.12
16.73	49.7	0.46	0.93	-0.4	7	98.7	0.82	0.82	0.00	1.10	15.9	17.5	UnDef	0.12
90	44.3	0.67	1.51	-0.4	7	98.7	0.83	0.83	0.00	1.10	14.2	15.5	UnDef	0.13
06	37.6	0.62	1.65	-0.2	6	98.7	0.84	0.84	0.00	1.09	14.4	15.7	2.94	0.13
22	31.0	0.70	2.26	1.2	6	98.7	0.84	0.84	0.00	1.09	11.9	12.9	2.41	0.18
17.39	34.2	0.58	1.70	2.5	6	98.7	0.85	0.85	0.00	1.08	13.1	14.2	2.67	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4199
CPT File: 315CP10.COR

th (c)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	40.2	0.55	1.37	0.3	7	98.7	0.86	0.86	0.00	1.08	12.8	13.8	UnDef	0.12
17.72	38.6	0.60	1.56	0.0	7	98.7	0.87	0.87	0.00	1.07	12.3	13.2	UnDef	0.13
17.88	33.4	0.65	1.95	0.7	6	98.7	0.88	0.88	0.00	1.07	12.8	13.7	2.60	0.15
18.04	32.3	0.62	1.93	3.3	6	98.7	0.89	0.89	0.00	1.06	12.4	13.1	2.51	0.15
18.21	30.7	0.51	1.66	2.2	6	98.7	0.89	0.89	0.00	1.06	11.8	12.5	2.39	0.13
18.37	27.0	0.42	1.56	4.9	6	98.7	0.90	0.90	0.00	1.05	10.4	10.9	2.09	0.12
18.54	27.2	0.38	1.40	6.7	6	98.7	0.91	0.91	0.00	1.05	10.4	10.9	2.10	0.12
18.70	27.6	0.37	1.34	8.5	6	98.7	0.92	0.92	0.00	1.04	10.6	11.0	2.13	0.11
18.86	30.3	0.42	1.39	10.7	6	98.7	0.93	0.93	0.00	1.04	11.6	12.0	2.35	0.12
19.03	31.3	0.39	1.25	10.7	7	98.7	0.93	0.93	0.00	1.03	10.0	10.3	UnDef	0.11
19.19	35.1	0.42	1.20	4.4	7	98.7	0.94	0.94	0.00	1.03	11.2	11.5	UnDef	0.11
19.36	36.0	0.43	1.20	2.5	7	98.7	0.95	0.95	0.00	1.03	11.5	11.8	UnDef	0.11
19.52	36.0	0.51	1.42	1.0	7	98.7	0.96	0.96	0.00	1.02	11.5	11.7	UnDef	0.12
19.68	37.2	0.49	1.32	-0.2	7	98.7	0.97	0.97	0.00	1.02	11.9	12.1	UnDef	0.12
19.85	37.2	0.44	1.18	0.4	7	98.7	0.97	0.97	0.00	1.01	11.9	12.0	UnDef	0.11
20.01	37.4	0.45	1.21	-0.4	7	98.7	0.98	0.98	0.00	1.01	11.9	12.1	UnDef	0.11
20.18	40.6	0.33	0.81	0.0	7	98.7	0.99	0.99	0.00	1.00	13.0	13.0	UnDef	0.10
20.34	42.5	0.26	0.61	-0.9	7	98.7	1.00	1.00	0.00	1.00	13.6	13.6	UnDef	0.10
20.51	39.7	0.22	0.56	-0.5	7	98.7	1.01	1.01	0.00	1.00	12.7	12.6	UnDef	0.10
20.67	35.3	0.37	1.05	-0.1	7	98.7	1.01	1.01	0.00	0.99	11.3	11.2	UnDef	0.11
20.83	30.4	0.49	1.62	0.1	6	98.7	1.02	1.02	0.00	0.99	11.6	11.5	2.35	0.14
21.00	29.3	0.54	1.85	3.5	6	98.7	1.03	1.03	0.00	0.98	11.2	11.0	2.26	0.17
21.16	30.5	0.45	1.48	8.9	6	98.7	1.04	1.04	0.00	0.98	11.7	11.5	2.36	0.13
21.33	27.9	0.43	1.54	14.4	6	98.7	1.05	1.05	0.00	0.98	10.7	10.5	2.15	0.14
21.49	27.0	0.39	1.45	18.8	6	98.7	1.06	1.06	0.00	0.97	10.4	10.1	2.08	0.13
21.65	25.7	0.38	1.48	23.0	6	98.7	1.06	1.06	0.00	0.97	9.8	9.5	1.97	0.15
21.82	26.4	0.35	1.33	26.4	6	98.7	1.07	1.07	0.00	0.97	10.1	9.8	2.02	0.13
21.98	26.3	0.37	1.41	30.7	6	98.7	1.08	1.08	0.00	0.96	10.1	9.7	2.01	0.14
[illegible].15	27.1	0.33	1.22	33.7	6	98.7	1.09	1.09	0.00	0.96	10.4	9.9	2.08	0.12
31	27.2	0.49	1.81	30.9	6	98.7	1.10	1.10	0.00	0.96	10.4	9.9	2.09	0.21
[illegible].47	28.7	0.46	1.61	10.1	6	98.7	1.10	1.10	0.00	0.95	11.0	10.5	2.21	0.16
22.64	24.6	0.39	1.59	10.0	6	98.7	1.11	1.11	0.00	0.95	9.4	9.0	1.88	0.20
22.80	26.2	0.38	1.45	12.0	6	98.7	1.12	1.12	0.00	0.94	10.1	9.5	2.01	0.15
22.97	28.0	0.41	1.47	13.3	6	98.7	1.13	1.13	0.00	0.94	10.7	10.1	2.15	0.15
23.13	29.3	0.41	1.40	15.9	6	98.7	1.14	1.14	0.00	0.94	11.2	10.5	2.26	0.13
23.29	33.0	0.52	1.58	18.3	6	98.7	1.14	1.14	0.00	0.93	12.6	11.8	2.55	0.15
23.46	32.4	0.56	1.73	7.2	6	98.7	1.15	1.15	0.00	0.93	12.4	11.5	2.50	0.17
23.62	29.7	0.53	1.79	7.8	6	98.7	1.16	1.16	0.00	0.93	11.4	10.6	2.28	0.21
23.79	28.5	0.42	1.48	9.7	6	98.7	1.17	1.17	0.00	0.93	10.9	10.1	2.18	0.15
23.95	31.7	0.50	1.58	12.2	6	98.7	1.18	1.18	0.00	0.92	12.1	11.2	2.44	0.16
24.11	34.0	0.51	1.50	8.1	6	98.7	1.18	1.18	0.00	0.92	13.0	12.0	2.63	0.14
24.28	32.2	0.50	1.56	8.8	6	98.7	1.19	1.19	0.00	0.92	12.3	11.3	2.48	0.15
24.44	35.2	0.51	1.45	8.9	7	98.7	1.20	1.20	0.00	0.91	11.2	10.3	UnDef	0.14
24.61	36.3	0.47	1.30	3.8	7	98.7	1.21	1.21	0.00	0.91	11.6	10.5	UnDef	0.13
24.77	39.6	0.60	1.52	3.6	7	98.7	1.22	1.22	0.00	0.91	12.6	11.5	UnDef	0.14
24.93	41.4	0.62	1.50	2.0	7	98.7	1.23	1.23	0.00	0.90	13.2	11.9	UnDef	0.14
25.10	53.9	0.56	1.04	2.4	7	98.7	1.23	1.23	0.00	0.90	17.2	15.5	UnDef	0.12
25.26	63.8	0.35	0.55	0.6	8	101.8	1.24	1.24	0.00	0.90	15.3	13.7	UnDef	0.11
25.43	62.7	0.44	0.70	0.0	8	101.8	1.25	1.25	0.00	0.89	15.0	13.4	UnDef	0.12
25.59	58.7	0.60	1.02	0.0	7	98.7	1.26	1.26	0.00	0.89	18.7	16.7	UnDef	0.13
25.75	58.3	0.90	1.55	-0.4	7	98.7	1.27	1.27	0.00	0.89	18.6	16.5	UnDef	0.16
25.92	54.2	0.98	1.81	0.1	7	98.7	1.27	1.27	0.00	0.89	17.3	15.3	UnDef	0.18
26.08	47.3	1.07	2.27	-0.5	6	98.7	1.28	1.28	0.00	0.88	18.1	16.0	3.68	0.26
26.25	43.3	0.97	2.24	-0.3	6	98.7	1.29	1.29	0.00	0.88	16.6	14.6	3.36	0.27
26.41	63.5	0.96	1.52	-0.3	7	98.7	1.30	1.30	0.00	0.88	20.3	17.8	UnDef	0.17
26.57	113.6	0.02	0.02	-0.8	9	101.8	1.31	1.31	0.00	0.87	21.8	19.0	UnDef	0.17
26.74	126.1	0.02	0.02	-0.4	9	101.8	1.32	1.32	0.00	0.87	24.2	21.1	UnDef	0.20

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4199
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-10
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 08:58
CPT File: 315CP10.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	327.4	1.00	9	3.8	0.0	3.8	3.6	UnDef	UnDef	10.0	UnDef	0.0	1.9
0.33	1.7E-07	0.00	375.7	0.44	10	8.8	0.0	8.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.4
0.49	5.0E-05	0.00	491.9	0.21	10	18.2	0.0	18.2	0.0	48	55.8	10.0	-0.19	0.0	7.3
0.66	5.0E-05	0.00	525.6	0.14	10	27.6	0.0	27.6	0.0	48	62.7	10.0	-0.16	0.0	11.1
0.82	5.0E-05	0.00	378.7	0.15	10	25.8	0.0	25.8	0.0	48	57.1	10.0	-0.14	0.0	10.3
0.98	5.0E-05	0.00	283.2	0.16	10	23.7	0.0	23.7	0.0	46	51.7	10.0	-0.12	0.0	9.5
1.15	5.0E-05	0.00	247.4	0.16	10	24.6	0.0	24.6	0.0	46	50.3	10.0	-0.11	0.0	9.8
1.31	5.0E-04	0.00	286.4	0.12	10	32.9	0.0	32.9	0.0	46	56.5	1.0	-0.10	0.0	11.0
48	5.0E-04	0.00	354.8	0.08	10	46.3	0.0	46.3	0.0	48	64.5	1.0	-0.09	0.0	15.4
1.64	5.0E-04	0.00	380.7	0.07	10	55.5	0.0	55.5	0.0	48	68.1	1.0	-0.08	0.0	18.5
1.80	5.0E-04	0.00	347.8	0.07	10	56.2	0.0	56.2	0.0	48	67.0	1.0	-0.07	0.0	18.7
1.97	5.0E-04	0.00	279.7	0.08	10	49.6	0.0	49.6	0.0	46	62.1	1.0	-0.06	0.0	16.5
2.13	5.0E-04	0.00	224.0	0.09	10	43.2	0.0	43.2	0.0	46	56.9	1.0	-0.05	0.0	14.4
2.30	5.0E-04	0.00	203.0	0.09	10	42.3	0.0	42.3	0.0	46	55.2	1.0	-0.05	0.0	14.1
2.46	5.0E-04	0.00	186.1	0.09	10	41.7	0.0	41.7	0.0	44	53.8	1.0	-0.04	0.0	13.9
2.62	5.0E-04	0.00	144.7	0.11	9	34.8	0.0	34.8	0.8	44	47.6	1.0	-0.04	0.0	11.6
2.79	5.0E-04	0.00	125.7	0.12	9	32.2	0.0	32.2	1.6	44	44.5	1.0	-0.03	0.0	10.7
2.95	5.0E-04	0.00	131.1	0.11	9	35.6	0.0	35.6	1.2	44	46.5	1.0	-0.03	0.0	11.9
3.12	5.0E-04	0.00	178.5	0.19	9	51.2	0.0	51.2	0.6	44	56.1	1.0	-0.10	0.0	17.1
3.28	5.0E-04	0.00	184.3	0.83	9	55.7	0.5	56.2	5.4	44	57.8	1.0	-0.23	0.1	18.7
3.44	5.0E-05	0.00	151.9	1.40	9	48.3	7.2	55.5	9.9	44	53.0	10.0	-0.26	1.7	21.0
3.61	5.0E-05	0.00	123.0	1.98	7	41.1	13.7	54.8	14.3	42	47.7	10.0	-0.29	3.0	19.5
3.77	5.0E-05	0.00	96.3	1.38	9	33.8	9.7	43.4	13.3	42	41.4	10.0	-0.22	2.2	15.7
3.94	5.0E-05	0.00	64.1	0.74	9	23.6	6.1	29.7	12.7	40	30.5	10.0	-0.12	1.4	10.8
4.10	5.0E-05	0.00	52.1	0.20	9	20.1	0.0	20.1	5.0	38	30.0	10.0	0.01	0.0	8.0
4.27	1.7E-07	0.00	41.5	0.24	9	16.6	0.0	16.6	5.0	UnDef	UnDef	6.0	UnDef	0.0	8.3
4.43	1.7E-07	0.00	39.7	0.24	9	16.4	0.0	16.4	5.0	UnDef	UnDef	6.0	UnDef	0.0	8.2
4.59	5.0E-05	0.00	43.3	0.21	9	18.5	0.0	18.5	5.0	38	30.0	6.0	0.01	0.0	7.4
4.76	5.0E-05	0.00	46.8	0.19	9	20.7	0.0	20.7	5.0	38	30.0	6.0	0.02	0.0	8.3
4.92	5.0E-05	0.00	47.9	0.18	9	21.9	0.0	21.9	5.0	38	30.0	6.0	0.02	0.0	8.8
5.09	5.0E-05	0.00	51.3	0.16	9	24.2	0.0	24.2	5.0	38	30.0	10.0	0.02	0.0	9.7
5.25	5.0E-05	-0.01	52.1	0.15	9	25.4	0.0	25.4	5.0	38	30.0	10.0	0.02	0.0	10.2
5.41	5.0E-05	-0.01	48.7	0.16	9	24.6	0.0	24.6	5.0	38	30.0	6.0	0.03	0.0	9.7
5.58	5.0E-05	0.00	48.4	0.16	9	25.0	0.0	25.0	5.0	38	30.0	6.0	0.03	0.0	9.8
5.74	5.0E-05	0.00	41.1	0.18	9	21.6	0.0	21.6	5.0	38	30.0	6.0	0.03	0.0	8.5
5.91	5.0E-05	0.00	43.5	0.16	9	23.2	0.0	23.2	5.0	38	30.0	6.0	0.04	0.0	9.1
6.07	5.0E-05	0.00	44.5	0.16	9	24.0	0.0	24.0	5.0	38	30.0	6.0	0.04	0.0	9.4
6.23	5.0E-05	0.00	42.0	0.16	9	23.0	0.0	23.0	5.0	38	30.0	6.0	0.04	0.0	9.0
6.40	5.0E-05	0.00	42.1	0.16	9	23.4	0.0	23.4	5.0	38	30.0	6.0	0.04	0.0	9.1
56	5.0E-05	0.00	41.0	0.31	9	23.1	0.0	23.1	5.0	38	30.0	6.0	-0.01	0.0	9.0
73	5.0E-05	0.00	39.2	0.48	9	22.3	0.0	22.3	5.0	38	30.0	6.0	-0.04	0.0	8.7
6.89	5.0E-05	-0.01	38.5	0.47	9	22.2	0.0	22.2	5.0	38	30.0	6.0	-0.04	0.0	8.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4199
CPT File: 315CP10.COR

›th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	-0.01	34.5	0.51	7	20.3	9.8	30.0	17.2	36	30.0	6.0	-0.04	2.0	10.0
7.22	5.0E-05	0.00	35.6	0.73	7	21.1	12.7	33.9	19.1	38	30.0	6.0	-0.06	2.5	10.8
7.38	5.0E-05	0.00	36.9	0.92	7	22.1	15.4	37.5	20.4	38	30.0	6.0	-0.09	3.0	11.7
7.55	5.0E-05	0.00	37.3	1.48	7	22.6	24.6	47.2	24.5	38	30.0	6.0	-0.13	4.3	13.1
7.71	5.0E-05	0.00	39.6	1.23	7	24.2	20.0	44.2	21.9	38	30.0	6.0	-0.12	3.7	13.2
7.87	5.0E-05	0.00	37.4	1.41	7	23.1	23.9	47.1	24.0	38	30.0	6.0	-0.12	4.2	13.3
8.04	5.0E-05	0.00	38.6	1.48	7	24.1	25.0	49.1	24.1	38	30.0	6.0	-0.13	4.4	13.8
8.20	5.0E-05	0.00	35.2	1.22	7	22.3	21.8	44.0	23.5	38	30.0	6.0	-0.10	3.9	12.6
8.37	5.0E-05	0.01	33.9	1.17	7	21.7	21.5	43.1	23.6	36	30.0	6.0	-0.10	3.8	12.3
8.53	5.0E-05	0.02	37.1	1.18	7	23.9	20.9	44.8	22.4	38	30.0	6.0	-0.11	3.9	13.2
8.69	5.0E-05	0.03	40.4	1.06	7	26.2	18.4	44.7	20.4	38	30.0	6.0	-0.10	3.6	13.8
8.86	5.0E-05	0.03	39.3	1.07	7	25.8	18.9	44.8	20.8	38	30.0	6.0	-0.10	3.6	13.7
9.02	5.0E-05	0.03	36.2	1.14	7	24.1	21.0	45.1	22.5	38	30.0	6.0	-0.10	3.9	13.3
9.19	5.0E-05	0.01	40.8	1.22	7	27.2	21.5	48.7	21.5	38	30.0	6.0	-0.12	4.1	14.7
9.35	5.0E-05	0.01	39.6	1.34	7	26.7	24.2	50.9	22.8	38	30.0	6.0	-0.12	4.4	14.9
9.51	5.0E-05	0.02	43.7	1.50	7	29.7	26.2	55.8	22.6	38	32.4	6.0	-0.14	4.8	16.4
9.68	5.0E-05	0.03	41.6	1.39	7	28.5	25.0	53.5	22.5	38	31.3	6.0	-0.13	4.6	15.8
9.84	5.0E-05	0.03	42.1	1.30	7	29.1	23.4	52.5	21.7	38	31.9	6.0	-0.13	4.4	15.8
10.01	5.0E-05	0.03	37.6	1.26	7	26.3	24.1	50.4	22.9	38	30.0	6.0	-0.11	4.4	14.7
10.17	5.0E-05	0.03	35.5	1.03	7	25.0	20.6	45.6	21.9	38	30.0	6.0	-0.09	3.8	13.7
10.33	5.0E-05	0.02	34.3	0.88	7	24.4	18.2	42.6	21.0	36	30.0	6.0	-0.07	3.5	13.0
10.50	5.0E-05	0.01	28.0	1.05	7	20.3	24.1	44.4	25.3	36	30.0	6.0	-0.07	4.1	12.0
10.66	5.0E-05	0.01	27.3	0.85	7	19.9	20.3	40.2	23.9	36	30.0	6.0	-0.05	3.6	11.4
10.83	5.0E-05	0.00	26.2	1.16	7	19.3	28.3	47.6	27.3	34	30.0	6.0	-0.07	4.5	12.0
10.99	5.0E-05	0.00	31.4	1.14	7	23.1	25.0	48.1	24.4	36	30.0	6.0	-0.09	4.4	13.4
11.15	5.0E-05	0.00	29.7	1.43	7	22.1	33.2	55.3	27.5	36	30.0	6.0	-0.10	5.2	13.8
11.32	5.0E-05	0.01	28.9	1.70	7	21.7	42.1	63.8	29.7	36	30.0	6.0	-0.11	6.0	14.5
11.48	5.0E-05	0.01	30.7	1.70	7	23.2	40.3	63.4	28.8	36	30.0	6.0	-0.12	6.0	15.0
11.65	5.0E-05	0.02	31.2	1.25	7	23.7	28.4	52.0	25.4	36	30.0	6.0	-0.09	4.8	14.1
81	5.0E-05	0.00	42.1	1.08	7	31.9	21.5	53.4	20.1	38	34.6	6.0	-0.11	4.2	16.7
.97	5.0E-05	0.00	39.4	1.05	7	30.2	21.6	51.8	20.6	38	32.9	6.0	-0.10	4.2	16.0
12.14	5.0E-04	0.00	44.1	0.85	7	33.9	17.1	51.0	17.6	38	36.3	1.0	-0.10	2.9	14.0
12.30	5.0E-04	0.00	54.5	0.22	9	42.0	0.0	42.0	5.0	40	42.4	1.0	-0.01	0.0	13.7
12.47	5.0E-03	0.00	57.2	0.17	9	44.3	0.0	44.3	5.0	40	43.9	1.0	0.01	0.0	10.8
12.63	5.0E-03	0.00	67.1	0.17	9	52.2	0.0	52.2	5.0	40	48.7	1.0	0.00	0.0	12.8
12.80	5.0E-03	0.00	68.8	0.33	9	53.9	0.0	53.9	5.0	40	49.6	1.0	-0.06	0.0	13.2
12.96	5.0E-04	0.00	63.8	0.85	9	50.4	14.9	65.3	13.6	40	47.6	1.0	-0.13	2.7	19.2
13.12	5.0E-04	0.00	58.6	1.18	7	46.7	21.8	68.4	16.9	40	45.4	1.0	-0.15	3.8	19.0
13.29	5.0E-05	0.00	53.3	1.66	7	42.7	32.2	74.9	21.1	40	42.9	10.0	-0.18	6.2	22.9
13.45	5.0E-05	0.00	47.5	1.67	7	38.5	34.0	72.5	22.6	38	39.9	6.0	-0.16	6.3	21.3
13.62	5.0E-05	0.00	43.6	1.49	7	35.5	31.3	66.9	22.5	38	37.6	6.0	-0.14	5.8	19.7
13.78	5.0E-05	0.00	40.9	1.35	7	33.6	29.2	62.8	22.4	38	36.0	6.0	-0.13	5.4	18.6
13.94	5.0E-05	0.00	35.7	1.40	7	29.6	32.5	62.1	24.6	38	32.4	6.0	-0.12	5.6	17.2
14.11	5.0E-05	0.00	31.3	1.44	7	26.2	36.3	62.5	26.7	36	30.0	6.0	-0.11	5.9	16.1
14.27	5.0E-05	0.01	33.4	1.04	7	28.1	25.2	53.3	22.7	36	30.8	6.0	-0.09	4.6	15.6
14.44	5.0E-04	0.01	50.8	0.67	9	42.5	14.3	56.8	14.4	38	42.8	1.0	-0.09	2.6	16.5
14.60	5.0E-03	0.00	83.3	0.37	9	69.6	0.0	69.6	5.0	42	56.9	1.0	-0.09	0.0	17.0
14.76	5.0E-03	0.00	92.4	0.35	9	77.6	0.0	77.6	5.0	42	60.0	1.0	-0.09	0.0	19.0
14.93	5.0E-03	0.00	90.5	0.27	9	76.4	0.0	76.4	5.0	42	59.6	1.0	-0.07	0.0	18.7
15.09	5.0E-03	0.00	84.1	0.32	9	71.5	0.0	71.5	5.0	42	57.7	1.0	-0.08	0.0	17.5
15.26	5.0E-03	0.00	83.8	0.35	9	71.7	0.0	71.7	5.0	42	57.7	1.0	-0.08	0.0	17.5
15.42	5.0E-03	0.00	78.6	0.39	9	67.6	0.0	67.6	5.0	42	56.1	1.0	-0.09	0.0	16.5
15.58	5.0E-03	0.00	75.1	0.47	9	65.0	0.0	65.0	5.0	40	54.9	1.0	-0.10	0.0	15.9
15.75	5.0E-03	0.00	72.5	0.45	9	63.2	0.0	63.2	5.0	40	54.1	1.0	-0.09	0.0	15.5
15.91	5.0E-03	0.00	84.2	0.43	9	73.6	0.0	73.6	5.0	42	58.5	1.0	-0.10	0.0	18.0
16.08	5.0E-03	0.00	81.2	0.41	9	71.4	0.0	71.4	5.0	42	57.6	1.0	-0.09	0.0	17.5
16.24	5.0E-03	0.00	75.3	0.35	9	66.6	0.0	66.6	5.0	40	55.6	1.0	-0.07	0.0	16.3
16.40	5.0E-03	0.00	73.8	0.44	9	65.7	0.0	65.7	5.0	40	55.2	1.0	-0.09	0.0	16.1
16.57	5.0E-03	0.00	67.6	0.71	9	60.5	13.6	74.1	11.9	40	52.9	1.0	-0.12	1.9	16.7
16.73	5.0E-04	0.00	59.6	0.94	9	53.7	19.6	73.3	15.0	40	49.4	1.0	-0.13	3.5	21.0
90	5.0E-04	0.00	52.5	1.54	7	47.7	34.0	81.6	20.6	38	46.0	1.0	-0.17	5.5	21.0
06	5.0E-05	0.00	43.9	1.69	7	40.2	40.2	80.4	23.7	38	41.1	6.0	-0.16	7.2	22.9
.22	5.0E-05	0.00	35.7	2.33	7	33.0	67.8	100.8	30.2	38	35.5	6.0	-0.17	9.4	22.3
17.39	5.0E-05	0.00	39.1	1.74	7	36.2	44.3	80.5	25.6	38	38.2	6.0	-0.15	7.4	21.6

ConeTec Inc. - CPT Interpretation
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,th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	45.7	1.40	7	42.4	32.8	75.3	21.3	38	42.7	1.0	-0.14	5.2	19.0
17.72	5.0E-04	0.00	43.5	1.59	7	40.6	38.5	79.0	23.2	38	41.4	1.0	-0.15	5.8	19.0
17.88	5.0E-05	0.00	37.1	2.00	7	34.9	54.6	89.6	27.9	38	37.1	6.0	-0.16	8.4	22.1
18.04	5.0E-05	0.00	35.4	1.98	7	33.6	55.7	89.3	28.4	38	36.0	6.0	-0.15	8.4	21.6
18.21	5.0E-05	0.00	33.4	1.71	7	31.8	48.5	80.4	27.6	36	34.5	6.0	-0.13	7.6	20.0
18.37	5.0E-05	0.01	29.0	1.61	7	27.9	50.1	77.9	29.1	36	30.7	6.0	-0.11	7.3	18.2
18.54	5.0E-05	0.01	28.9	1.45	7	27.9	44.4	72.3	28.0	36	30.7	6.0	-0.10	6.8	17.7
18.70	5.0E-05	0.01	29.0	1.39	7	28.2	42.4	70.5	27.5	36	31.0	6.0	-0.10	6.6	17.7
18.86	5.0E-05	0.01	31.7	1.44	7	30.8	41.6	72.4	26.5	36	33.5	6.0	-0.11	6.8	18.8
19.03	5.0E-04	0.01	32.5	1.29	7	31.7	36.7	68.3	25.1	36	34.3	1.0	-0.10	5.2	15.6
19.19	5.0E-04	0.00	36.3	1.23	7	35.4	33.3	68.7	23.2	38	37.5	1.0	-0.11	5.0	16.6
19.36	5.0E-04	0.00	36.9	1.23	7	36.2	33.1	69.2	22.9	38	38.1	1.0	-0.11	5.0	16.8
19.52	5.0E-04	0.00	36.5	1.46	7	36.0	39.8	75.8	24.7	38	38.0	1.0	-0.12	5.7	17.5
19.68	5.0E-04	0.00	37.5	1.35	7	37.1	36.5	73.6	23.6	38	38.8	1.0	-0.12	5.4	17.5
19.85	5.0E-04	0.00	37.2	1.22	7	36.9	33.0	69.9	22.7	38	38.7	1.0	-0.11	5.0	17.1
20.01	5.0E-04	0.00	37.1	1.24	7	37.0	33.8	70.7	22.9	38	38.7	1.0	-0.11	5.1	17.2
20.18	5.0E-04	0.00	40.0	0.83	7	39.9	22.8	62.8	18.6	38	41.0	1.0	-0.09	3.8	16.9
20.34	5.0E-04	0.00	41.6	0.63	7	41.7	17.7	59.4	16.2	38	42.2	1.0	-0.07	3.1	16.7
20.51	5.0E-04	0.00	38.5	0.57	7	38.8	17.2	55.9	16.5	38	40.1	1.0	-0.05	3.0	15.6
20.67	5.0E-04	0.00	33.7	1.08	7	34.3	31.6	65.8	23.0	36	36.6	1.0	-0.09	4.8	16.0
20.83	5.0E-05	0.00	28.7	1.67	7	29.4	56.4	85.8	29.6	36	32.2	6.0	-0.11	8.0	19.6
21.00	5.0E-05	0.00	27.4	1.92	7	28.2	72.1	100.4	31.9	36	31.0	6.0	-0.12	9.0	20.1
21.16	5.0E-05	0.01	28.4	1.53	7	29.3	51.4	80.6	28.8	36	32.1	6.0	-0.10	7.6	19.1
21.33	5.0E-05	0.02	25.7	1.60	7	26.7	60.1	86.8	30.9	34	30.0	6.0	-0.10	8.0	18.4
21.49	5.0E-05	0.02	24.6	1.50	7	25.8	57.7	83.5	30.9	34	30.0	6.0	-0.08	7.7	17.8
21.65	5.0E-05	0.03	23.1	1.55	7	24.3	64.9	89.3	32.2	34	30.0	6.0	-0.08	8.0	17.5
21.82	5.0E-05	0.03	23.6	1.39	7	24.9	54.5	79.4	30.7	34	30.0	6.0	-0.07	7.3	17.1
21.98	5.0E-05	0.04	23.3	1.47	7	24.7	60.2	84.9	31.5	34	30.0	6.0	-0.08	7.7	17.4
[illegible].15	5.0E-05	0.04	23.9	1.27	7	25.4	48.8	74.2	29.6	34	30.0	6.0	-0.07	7.0	16.9
[illegible]31	5.0E-05	0.04	23.8	1.88	6	25.4	87.6	113.0	34.0	34	30.0	6.0	-0.10	9.4	19.3
[illegible].47	5.0E-05	0.01	25.0	1.67	7	26.8	67.2	94.0	31.8	34	30.0	6.0	-0.10	8.5	19.0
22.64	5.0E-05	0.01	21.2	1.66	6	22.9	85.6	108.5	34.6	34	30.0	6.0	-0.08	8.7	17.7
22.80	5.0E-05	0.01	22.4	1.52	7	24.3	67.2	91.4	32.5	34	30.0	6.0	-0.08	8.1	17.6
22.97	5.0E-05	0.02	23.9	1.53	7	25.8	63.1	88.9	31.6	34	30.0	6.0	-0.08	8.1	18.2
23.13	5.0E-05	0.02	24.8	1.46	7	26.9	56.9	83.9	30.4	34	30.0	6.0	-0.08	7.8	18.3
23.29	5.0E-05	0.02	27.8	1.64	7	30.2	59.7	89.9	29.9	36	32.9	6.0	-0.11	8.4	20.2
23.46	5.0E-05	0.01	27.1	1.80	7	29.5	70.2	99.7	31.4	36	32.3	6.0	-0.11	9.1	20.6
23.62	5.0E-05	0.01	24.6	1.86	6	27.0	84.1	111.1	33.4	34	30.0	6.0	-0.10	9.5	20.1
23.79	5.0E-05	0.01	23.4	1.54	7	25.8	66.8	92.5	32.0	34	30.0	6.0	-0.08	8.3	18.4
23.95	5.0E-05	0.01	25.9	1.64	7	28.6	65.2	93.8	31.0	34	31.4	6.0	-0.10	8.6	19.8
24.11	5.0E-05	0.01	27.7	1.56	7	30.6	57.1	87.7	29.4	36	33.3	6.0	-0.10	8.2	20.2
24.28	5.0E-05	0.01	26.0	1.62	7	28.8	64.1	93.0	30.8	34	31.6	6.0	-0.10	8.6	19.8
24.44	5.0E-04	0.01	28.3	1.50	7	31.5	54.0	85.5	28.7	36	34.1	1.0	-0.10	6.7	17.0
24.61	5.0E-04	0.00	29.0	1.34	7	32.3	46.7	79.0	27.1	36	34.9	1.0	-0.09	6.2	16.7
24.77	5.0E-04	0.00	31.6	1.57	7	35.1	52.8	88.0	27.5	36	37.3	1.0	-0.12	6.9	18.4
24.93	5.0E-04	0.00	32.8	1.55	7	36.6	51.0	87.6	26.8	36	38.5	1.0	-0.12	6.8	18.8
25.10	5.0E-04	0.00	42.7	1.07	7	47.5	30.9	78.4	19.8	38	46.0	1.0	-0.11	5.1	20.6
25.26	5.0E-03	0.00	50.4	0.56	9	56.0	16.1	72.2	13.4	38	50.7	1.0	-0.08	2.2	15.9
25.43	5.0E-03	0.00	49.2	0.72	9	54.9	20.4	75.4	15.2	38	50.1	1.0	-0.09	2.7	16.2
25.59	5.0E-04	0.00	45.7	1.05	7	51.2	29.9	81.1	18.8	38	48.1	1.0	-0.12	5.0	21.7
25.75	5.0E-04	0.00	45.1	1.58	7	50.7	45.5	96.2	22.7	38	47.8	1.0	-0.15	6.9	23.5
25.92	5.0E-04	0.00	41.6	1.86	7	47.0	56.4	103.4	25.4	38	45.6	1.0	-0.16	7.9	23.3
26.08	5.0E-05	0.00	35.9	2.33	7	40.8	83.5	124.3	30.1	38	41.6	6.0	-0.17	11.6	27.6
26.25	5.0E-05	0.00	32.6	2.31	6	37.3	90.3	127.6	31.5	36	39.0	6.0	-0.16	11.6	26.2
26.41	5.0E-04	0.00	47.9	1.55	7	54.5	44.0	98.5	21.7	38	49.9	1.0	-0.16	6.9	24.7
26.57	5.0E-02	0.00	85.9	0.02	9	97.2	0.0	97.2	4.8	42	66.5	1.0	0.16	0.0	19.0
26.74	5.0E-02	0.00	94.9	0.02	9	107.6	0.0	107.6	4.4	42	69.4	1.0	0.16	0.0	21.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4237
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-11
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 08:30
CPT File: 315CP11.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	3.0	0.02	0.67	-0.1	1	74.5	0.01	0.01	0.00	2.00	1.4	2.9	0.24	0.00
0.33	7.7	0.08	1.04	-0.7	5	85.3	0.01	0.01	0.00	2.00	3.7	7.4	0.62	0.00
0.49	19.0	0.18	0.95	-0.2	6	98.7	0.02	0.02	0.00	2.00	7.3	14.6	1.52	0.08
0.66	40.4	0.47	1.17	0.0	7	98.7	0.03	0.03	0.00	2.00	12.9	25.8	UnDef	0.12
0.82	50.2	0.71	1.42	0.8	7	98.7	0.04	0.04	0.00	2.00	16.0	32.1	UnDef	0.00
0.98	48.5	0.96	1.98	-0.4	6	98.7	0.04	0.04	0.00	2.00	18.6	37.1	3.88	0.00
1.15	46.5	1.19	2.57	-0.6	6	98.7	0.05	0.05	0.00	2.00	17.8	35.6	3.72	0.00
31	43.4	0.88	2.03	-0.6	6	98.7	0.06	0.06	0.00	2.00	16.6	33.2	3.46	0.00
.48	38.5	0.68	1.77	0.0	6	98.7	0.07	0.07	0.00	2.00	14.7	29.5	3.07	0.00
1.64	30.9	0.61	1.98	0.0	6	98.7	0.08	0.08	0.00	2.00	11.8	23.7	2.47	0.10
1.80	26.4	0.40	1.52	0.0	6	98.7	0.08	0.08	0.00	2.00	10.1	20.3	2.11	0.09
1.97	21.8	0.35	1.61	-0.2	6	98.7	0.09	0.09	0.00	2.00	8.4	16.7	1.74	0.09
2.13	18.9	0.35	1.86	0.1	6	98.7	0.10	0.10	0.00	2.00	7.2	14.5	1.50	0.09
2.30	20.9	0.31	1.49	-0.3	6	98.7	0.11	0.11	0.00	2.00	8.0	16.0	1.66	0.09
2.46	31.6	0.42	1.33	-0.4	6	98.7	0.12	0.12	0.00	2.00	12.1	24.2	2.51	0.10
2.62	29.6	0.53	1.79	0.2	6	98.7	0.13	0.13	0.00	2.00	11.4	22.7	2.36	0.10
2.79	25.7	0.60	2.34	0.0	6	98.7	0.13	0.13	0.00	2.00	9.8	19.7	2.04	0.10
2.95	22.7	0.48	2.12	0.7	6	98.7	0.14	0.14	0.00	2.00	8.7	17.4	1.81	0.10
3.12	18.8	0.34	1.82	-3.7	6	98.7	0.15	0.15	0.00	2.00	7.2	14.4	1.49	0.09
3.28	15.9	0.28	1.76	-4.5	6	98.7	0.16	0.16	0.00	2.00	6.1	12.2	1.26	0.09
3.44	16.5	0.28	1.70	-0.4	6	98.7	0.17	0.17	0.00	2.00	6.3	12.6	1.30	0.09
3.61	17.1	0.34	1.99	-1.0	6	98.7	0.17	0.17	0.00	2.00	6.6	13.1	1.36	0.09
3.77	16.9	0.27	1.60	-0.2	6	98.7	0.18	0.18	0.00	2.00	6.5	13.0	1.34	0.09
3.94	14.9	0.22	1.48	-4.4	6	98.7	0.19	0.19	0.00	2.00	5.7	11.4	1.18	0.09
4.10	15.8	0.20	1.27	-1.6	6	98.7	0.20	0.20	0.00	2.00	6.1	12.1	1.25	0.09
4.27	15.1	0.24	1.59	-0.6	6	98.7	0.21	0.21	0.00	2.00	5.8	11.6	1.19	0.09
4.43	15.6	0.26	1.67	-1.2	6	98.7	0.21	0.21	0.00	2.00	6.0	12.0	1.23	0.09
4.59	15.2	0.28	1.84	-3.7	5	85.3	0.22	0.22	0.00	2.00	7.3	14.6	1.20	0.09
4.76	14.8	0.27	1.83	-3.2	5	85.3	0.23	0.23	0.00	2.00	7.1	14.2	1.17	0.09
4.92	13.8	0.26	1.88	-5.0	5	85.3	0.24	0.24	0.00	2.00	6.6	13.3	1.09	0.09
5.09	13.7	0.24	1.75	-3.0	5	85.3	0.24	0.24	0.00	2.00	6.6	13.1	1.08	0.09
5.25	16.3	0.24	1.48	-2.1	6	98.7	0.25	0.25	0.00	2.00	6.2	12.5	1.28	0.09
5.41	16.7	0.25	1.50	1.2	6	98.7	0.26	0.26	0.00	1.97	6.4	12.6	1.32	0.09
5.58	17.1	0.33	1.93	1.1	6	98.7	0.27	0.27	0.00	1.94	6.6	12.7	1.35	0.10
5.74	18.6	0.36	1.94	4.0	6	98.7	0.27	0.27	0.00	1.91	7.1	13.6	1.47	0.10
5.91	18.8	0.40	2.14	11.2	6	98.7	0.28	0.28	0.00	1.88	7.2	13.5	1.48	0.10
6.07	18.7	0.37	1.98	17.3	6	98.7	0.29	0.29	0.00	1.85	7.2	13.3	1.48	0.10
6.23	17.9	0.36	2.01	20.1	6	98.7	0.30	0.30	0.00	1.83	6.9	12.6	1.41	0.10
40	18.4	0.30	1.64	23.0	6	98.7	0.31	0.31	0.00	1.80	7.0	12.7	1.45	0.09
56	17.0	0.28	1.65	28.1	6	98.7	0.32	0.32	0.00	1.78	6.5	11.6	1.33	0.09
.73	17.1	0.27	1.59	28.4	6	98.7	0.32	0.32	0.00	1.76	6.5	11.5	1.34	0.09
6.89	18.7	0.30	1.61	32.4	6	98.7	0.33	0.33	0.00	1.74	7.2	12.4	1.47	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4237
CPT File: 315CP11.COR

ıth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	18.4	0.30	1.63	27.8	6	98.7	0.34	0.34	0.00	1.72	7.1	12.1	1.45	0.09
7.22	17.2	0.33	1.92	22.9	6	98.7	0.35	0.35	0.00	1.70	6.6	11.2	1.35	0.10
7.38	16.7	0.35	2.10	12.4	5	85.3	0.36	0.36	0.00	1.68	8.0	13.4	1.31	0.10
7.55	18.0	0.38	2.11	19.2	6	98.7	0.36	0.36	0.00	1.66	6.9	11.5	1.41	0.10
7.71	20.1	0.39	1.94	18.8	6	98.7	0.37	0.37	0.00	1.64	7.7	12.7	1.58	0.10
7.87	21.0	0.43	2.05	10.0	6	98.7	0.38	0.38	0.00	1.62	8.0	13.1	1.65	0.11
8.04	20.6	0.41	1.99	13.4	6	98.7	0.39	0.39	0.00	1.61	7.9	12.7	1.62	0.10
8.20	19.1	0.37	1.94	14.3	6	98.7	0.40	0.40	0.00	1.59	7.3	11.6	1.50	0.10
8.37	18.5	0.37	2.01	13.8	6	98.7	0.40	0.40	0.00	1.58	7.1	11.1	1.44	0.10
8.53	19.1	0.37	1.94	15.0	6	98.7	0.41	0.41	0.00	1.56	7.3	11.4	1.50	0.10
8.69	19.6	0.37	1.89	17.0	6	98.7	0.42	0.42	0.00	1.54	7.5	11.6	1.54	0.10
8.86	18.4	0.37	2.02	17.8	6	98.7	0.43	0.43	0.00	1.53	7.0	10.8	1.43	0.10
9.02	19.4	0.43	2.22	21.3	6	98.7	0.44	0.44	0.00	1.52	7.4	11.3	1.52	0.11
9.19	20.4	0.45	2.21	25.0	6	98.7	0.44	0.44	0.00	1.50	7.8	11.7	1.59	0.11
9.35	20.1	0.50	2.49	29.4	5	85.3	0.45	0.45	0.00	1.49	9.6	14.4	1.57	0.12
9.51	20.2	0.45	2.23	28.5	6	98.7	0.46	0.46	0.00	1.48	7.7	11.4	1.58	0.11
9.68	18.9	0.43	2.28	21.3	5	85.3	0.47	0.47	0.00	1.46	9.0	13.2	1.47	0.12
9.84	20.2	0.32	1.59	9.1	6	98.7	0.47	0.47	0.00	1.45	7.7	11.2	1.58	0.10
10.01	28.3	0.35	1.24	3.0	6	98.7	0.48	0.48	0.00	1.44	10.8	15.6	2.23	0.10
10.17	33.3	0.33	0.99	0.2	7	98.7	0.49	0.49	0.00	1.43	10.6	15.2	UnDef	0.10
10.33	38.6	0.29	0.75	-0.2	7	98.7	0.50	0.50	0.00	1.42	12.3	17.5	UnDef	0.10
10.50	43.1	0.25	0.58	-0.9	7	98.7	0.51	0.51	0.00	1.41	13.7	19.3	UnDef	0.11
10.66	42.7	0.25	0.59	-0.8	7	98.7	0.51	0.51	0.00	1.39	13.6	19.0	UnDef	0.11
10.83	42.7	0.44	1.03	-0.8	7	98.7	0.52	0.52	0.00	1.38	13.6	18.9	UnDef	0.12
10.99	39.5	0.58	1.47	-0.7	7	98.7	0.53	0.53	0.00	1.37	12.6	17.3	UnDef	0.12
11.15	36.5	0.64	1.76	-0.8	6	98.7	0.54	0.54	0.00	1.36	14.0	19.1	2.88	0.13
11.32	36.0	0.55	1.53	-0.7	7	98.7	0.55	0.55	0.00	1.35	11.5	15.5	UnDef	0.12
11.48	36.0	0.40	1.11	-1.0	7	98.7	0.55	0.55	0.00	1.34	11.5	15.4	UnDef	0.11
11.65	30.0	0.50	1.67	-1.2	6	98.7	0.56	0.56	0.00	1.33	11.5	15.3	2.36	0.11
81	26.3	0.50	1.90	-0.6	6	98.7	0.57	0.57	0.00	1.32	10.1	13.3	2.06	0.12
.97	23.8	0.54	2.28	3.6	6	98.7	0.58	0.58	0.00	1.31	9.1	12.0	1.86	0.13
12.14	24.6	0.51	2.08	7.8	6	98.7	0.59	0.59	0.00	1.31	9.4	12.3	1.92	0.12
12.30	30.3	0.42	1.39	13.1	6	98.7	0.60	0.60	0.00	1.30	11.6	15.0	2.37	0.11
12.47	39.6	0.43	1.09	6.5	7	98.7	0.60	0.60	0.00	1.29	12.6	16.3	UnDef	0.11
12.63	39.7	0.53	1.34	0.3	7	98.7	0.61	0.61	0.00	1.28	12.7	16.2	UnDef	0.12
12.80	30.2	0.47	1.56	-0.1	6	98.7	0.62	0.62	0.00	1.27	11.6	14.7	2.37	0.11
12.96	26.3	0.40	1.53	2.3	6	98.7	0.63	0.63	0.00	1.26	10.1	12.7	2.05	0.11
13.12	34.4	0.43	1.25	7.4	7	98.7	0.64	0.64	0.00	1.25	11.0	13.8	UnDef	0.11
13.29	47.5	0.46	0.97	4.1	7	98.7	0.64	0.64	0.00	1.25	15.2	18.9	UnDef	0.12
13.45	55.7	0.44	0.79	-0.6	8	101.8	0.65	0.65	0.00	1.24	13.3	16.5	UnDef	0.13
13.62	56.9	0.40	0.70	-0.8	8	101.8	0.66	0.66	0.00	1.23	13.6	16.8	UnDef	0.13
13.78	56.8	0.38	0.67	-0.7	8	101.8	0.67	0.67	0.00	1.22	13.6	16.6	UnDef	0.12
13.94	59.6	0.44	0.74	-0.9	8	101.8	0.68	0.68	0.00	1.22	14.3	17.3	UnDef	0.13
14.11	59.2	0.44	0.75	-0.6	8	101.8	0.69	0.69	0.00	1.21	14.2	17.1	UnDef	0.13
14.27	59.9	0.52	0.87	-1.0	8	101.8	0.69	0.69	0.00	1.20	14.3	17.2	UnDef	0.14
14.44	56.0	0.66	1.18	-1.0	7	98.7	0.70	0.70	0.00	1.19	17.9	21.3	UnDef	0.14
14.60	51.0	0.76	1.49	-0.6	7	98.7	0.71	0.71	0.00	1.19	16.3	19.3	UnDef	0.14
14.76	48.2	0.86	1.79	-0.2	7	98.7	0.72	0.72	0.00	1.18	15.4	18.1	UnDef	0.15
14.93	48.3	0.71	1.47	0.1	7	98.7	0.73	0.73	0.00	1.17	15.4	18.1	UnDef	0.14
15.09	59.7	0.70	1.18	-1.4	7	98.7	0.73	0.73	0.00	1.17	19.1	22.2	UnDef	0.15
15.26	79.0	0.60	0.76	-1.3	8	101.8	0.74	0.74	0.00	1.16	18.9	21.9	UnDef	0.17
15.42	76.2	0.57	0.75	-0.8	8	101.8	0.75	0.75	0.00	1.15	18.2	21.1	UnDef	0.16
15.58	69.1	0.51	0.74	-0.7	8	101.8	0.76	0.76	0.00	1.15	16.5	19.0	UnDef	0.14
15.75	65.8	0.72	1.10	-0.7	7	98.7	0.77	0.77	0.00	1.14	21.0	24.0	UnDef	0.15
15.91	55.3	0.75	1.36	-0.5	7	98.7	0.78	0.78	0.00	1.14	17.6	20.0	UnDef	0.14
16.08	50.2	0.71	1.42	-0.1	7	98.7	0.78	0.78	0.00	1.13	16.0	18.1	UnDef	0.14
16.24	45.4	0.81	1.79	-0.6	7	98.7	0.79	0.79	0.00	1.12	14.5	16.3	UnDef	0.14
16.40	37.8	0.77	2.04	-0.5	6	98.7	0.80	0.80	0.00	1.12	14.5	16.2	2.96	0.15
16.57	34.7	0.78	2.25	1.8	6	98.7	0.81	0.81	0.00	1.11	13.3	14.8	2.71	0.16
16.73	31.6	0.67	2.13	4.9	6	98.7	0.82	0.82	0.00	1.11	12.1	13.4	2.46	0.15
90	31.6	0.62	1.97	8.2	6	98.7	0.82	0.82	0.00	1.10	12.1	13.3	2.46	0.14
06	28.8	0.53	1.85	6.9	6	98.7	0.83	0.83	0.00	1.10	11.0	12.1	2.24	0.14
.22	26.1	0.47	1.80	8.9	6	98.7	0.84	0.84	0.00	1.09	10.0	10.9	2.02	0.14
17.39	27.5	0.46	1.68	10.0	6	98.7	0.85	0.85	0.00	1.09	10.5	11.4	2.13	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4237
CPT File: 315CP11.COR

;th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	31.2	0.52	1.67	10.5	6	98.7	0.86	0.86	0.00	1.08	12.0	12.9	2.43	0.13
17.72	32.1	0.54	1.69	11.1	6	98.7	0.86	0.86	0.00	1.08	12.3	13.2	2.50	0.13
17.88	33.8	0.61	1.81	12.6	6	98.7	0.87	0.87	0.00	1.07	12.9	13.9	2.63	0.14
18.04	33.0	0.59	1.79	7.1	6	98.7	0.88	0.88	0.00	1.07	12.6	13.5	2.57	0.14
18.21	33.4	0.55	1.65	10.4	6	98.7	0.89	0.89	0.00	1.06	12.8	13.6	2.60	0.13
18.37	38.4	0.60	1.57	7.0	7	98.7	0.90	0.90	0.00	1.06	12.2	12.9	UnDef	0.13
18.54	40.1	0.46	1.15	3.0	7	98.7	0.91	0.91	0.00	1.05	12.8	13.5	UnDef	0.11
18.70	41.9	0.44	1.05	0.7	7	98.7	0.91	0.91	0.00	1.05	13.4	14.0	UnDef	0.11
18.86	38.4	0.49	1.28	0.3	7	98.7	0.92	0.92	0.00	1.04	12.3	12.8	UnDef	0.12
19.03	31.9	0.51	1.60	0.8	6	98.7	0.93	0.93	0.00	1.04	12.2	12.7	2.48	0.13
19.19	27.4	0.56	2.05	3.1	6	98.7	0.94	0.94	0.00	1.03	10.5	10.9	2.12	0.19
19.36	25.7	0.50	1.95	8.2	6	98.7	0.95	0.95	0.00	1.03	9.8	10.1	1.98	0.19
19.52	25.5	0.49	1.93	13.8	6	98.7	0.95	0.95	0.00	1.02	9.8	10.0	1.96	0.19
19.68	24.3	0.47	1.94	19.5	6	98.7	0.96	0.96	0.00	1.02	9.3	9.5	1.87	0.22
19.85	24.2	0.42	1.74	23.1	6	98.7	0.97	0.97	0.00	1.02	9.3	9.4	1.86	0.17
20.01	23.3	0.40	1.72	26.7	6	98.7	0.98	0.98	0.00	1.01	8.9	9.0	1.78	0.19
20.18	22.3	0.35	1.57	28.9	6	98.7	0.99	0.99	0.00	1.01	8.5	8.6	1.71	0.17
20.34	23.1	0.38	1.65	32.6	6	98.7	0.99	0.99	0.00	1.00	8.9	8.9	1.77	0.18
20.51	27.4	0.39	1.43	33.9	6	98.7	1.00	1.00	0.00	1.00	10.5	10.5	2.11	0.12
20.67	26.4	0.42	1.59	33.3	6	98.7	1.01	1.01	0.00	1.00	10.1	10.1	2.03	0.15
20.83	22.0	0.38	1.74	35.8	6	98.7	1.02	1.02	0.00	0.99	8.4	8.3	1.67	0.19
21.00	21.1	0.34	1.62	38.3	6	98.7	1.03	1.03	0.00	0.99	8.1	8.0	1.60	0.18
21.16	24.7	0.33	1.34	40.0	6	98.7	1.03	1.03	0.00	0.98	9.5	9.3	1.89	0.13
21.33	24.7	0.59	2.40	44.7	6	98.7	1.04	1.04	0.00	0.98	9.5	9.3	1.89	0.23
21.49	26.5	0.61	2.31	48.0	6	98.7	1.05	1.05	0.00	0.98	10.1	9.9	2.03	0.27
21.65	27.5	0.59	2.15	44.9	6	98.7	1.06	1.06	0.00	0.97	10.5	10.2	2.11	0.29
21.82	26.7	0.48	1.80	44.7	6	98.7	1.07	1.07	0.00	0.97	10.2	9.9	2.05	0.20
21.98	26.2	0.39	1.49	48.2	6	98.7	1.08	1.08	0.00	0.96	10.0	9.7	2.01	0.15
[illegible].15	24.5	0.40	1.64	50.3	6	98.7	1.08	1.08	0.00	0.96	9.4	9.0	1.87	0.20
[illegible]31	24.9	0.37	1.49	53.3	6	98.7	1.09	1.09	0.00	0.96	9.5	9.1	1.91	0.16
[illegible].47	30.3	0.47	1.55	54.5	6	98.7	1.10	1.10	0.00	0.95	11.6	11.1	2.34	0.14
22.64	26.9	0.49	1.82	32.0	6	98.7	1.11	1.11	0.00	0.95	10.3	9.8	2.06	0.23
22.80	33.0	0.57	1.73	34.1	6	98.7	1.12	1.12	0.00	0.95	12.6	12.0	2.55	0.16
22.97	31.2	0.52	1.67	13.2	6	98.7	1.12	1.12	0.00	0.94	12.0	11.3	2.41	0.16
23.13	32.3	0.50	1.55	16.9	6	98.7	1.13	1.13	0.00	0.94	12.4	11.6	2.49	0.14
23.29	39.3	0.51	1.30	10.5	7	98.7	1.14	1.14	0.00	0.94	12.6	11.8	UnDef	0.12
23.46	50.5	0.56	1.11	2.4	7	98.7	1.15	1.15	0.00	0.93	16.1	15.1	UnDef	0.12
23.62	56.4	0.66	1.17	0.6	7	98.7	1.16	1.16	0.00	0.93	18.0	16.8	UnDef	0.13
23.79	55.5	0.95	1.72	-0.2	7	98.7	1.16	1.16	0.00	0.93	17.7	16.4	UnDef	0.17
23.95	46.5	1.02	2.20	0.9	6	98.7	1.17	1.17	0.00	0.92	17.8	16.5	3.63	0.22
24.11	42.2	1.07	2.54	2.9	6	98.7	1.18	1.18	0.00	0.92	16.2	14.9	3.28	0.32
24.28	42.6	0.92	2.17	3.4	6	98.7	1.19	1.19	0.00	0.92	16.3	15.0	3.31	0.22
24.44	43.1	0.82	1.91	4.3	6	98.7	1.20	1.20	0.00	0.91	16.5	15.1	3.36	0.18
24.61	55.9	0.60	1.08	3.6	7	98.7	1.20	1.20	0.00	0.91	17.8	16.2	UnDef	0.13
24.77	77.2	0.74	0.96	1.3	8	101.8	1.21	1.21	0.00	0.91	18.5	16.8	UnDef	0.15
24.93	124.8	0.91	0.73	-0.6	9	101.8	1.22	1.22	0.00	0.91	23.9	21.6	UnDef	0.25
25.10	193.2	0.02	0.01	-0.6	10	127.3	1.23	1.23	0.00	0.90	30.8	27.8	UnDef	0.00
25.26	208.1	0.02	0.01	0.0	10	127.3	1.24	1.24	0.00	0.90	33.2	29.8	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4237
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-11
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 08:30
CPT File: 315CP11.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	491.2	0.67	10	5.8	0.0	5.8	0.4	UnDef	UnDef	10.0	UnDef	0.0	2.9
0.33	5.0E-06	0.00	609.2	1.04	9	14.8	0.0	14.8	1.7	UnDef	UnDef	10.0	UnDef	0.0	7.4
0.49	5.0E-05	0.00	941.1	0.95	10	36.5	0.0	36.5	0.4	50	75.0	10.0	-0.39	0.0	14.6
0.66	5.0E-04	0.00	1000.0	1.17	9	77.3	0.0	77.3	1.2	50	91.8	1.0	-0.42	0.0	25.8
0.82	5.0E-04	0.00	1000.0	1.42	12	96.2	UnDef	UnDef	0.0	50	94.4	1.0	-0.45	UnDef	UnDef
0.98	5.0E-05	0.00	1000.0	1.99	12	92.9	UnDef	UnDef	0.0	50	90.5	10.0	-0.51	UnDef	UnDef
1.15	5.0E-05	0.00	883.4	2.57	12	89.1	UnDef	UnDef	0.0	50	86.9	10.0	-0.56	UnDef	UnDef
1.31	5.0E-05	0.00	713.9	2.04	12	83.1	UnDef	UnDef	0.0	50	82.9	10.0	-0.48	UnDef	UnDef
1.48	5.0E-05	0.00	558.2	1.78	12	73.7	UnDef	UnDef	0.0	50	77.6	10.0	-0.43	UnDef	UnDef
1.64	5.0E-05	0.00	401.3	1.98	9	59.2	3.4	62.6	7.0	48	69.8	10.0	-0.41	0.8	24.5
1.80	5.0E-05	0.00	310.3	1.52	9	50.6	1.8	52.5	6.3	46	63.9	10.0	-0.34	0.4	20.7
1.97	5.0E-05	0.00	233.8	1.61	9	41.8	3.9	45.7	8.2	46	57.1	10.0	-0.32	0.9	17.7
2.13	5.0E-05	0.00	185.9	1.87	9	36.2	6.6	42.8	10.7	44	51.8	10.0	-0.32	1.5	16.0
2.30	5.0E-05	0.00	190.3	1.50	9	40.0	4.6	44.6	8.9	44	53.5	10.0	-0.29	1.1	17.1
2.46	5.0E-05	0.00	268.0	1.34	9	60.4	1.9	62.4	6.2	46	64.3	10.0	-0.31	0.5	24.7
2.62	5.0E-05	0.00	235.4	1.80	9	56.8	6.7	63.5	9.0	46	61.6	10.0	-0.34	1.6	24.3
2.79	5.0E-05	0.00	191.4	2.35	9	49.2	12.5	61.7	12.6	44	56.6	10.0	-0.36	2.9	22.5
2.95	5.0E-05	0.00	159.7	2.13	7	43.6	11.8	55.3	13.0	44	52.2	10.0	-0.32	2.7	20.1
3.12	5.0E-05	-0.01	124.4	1.83	7	35.9	10.6	46.6	13.6	42	45.9	10.0	-0.28	2.4	16.8
3.28	5.0E-05	-0.01	100.1	1.78	7	30.5	11.4	41.9	15.2	42	40.5	10.0	-0.25	2.5	14.7
3.44	5.0E-05	0.00	98.3	1.72	7	31.6	11.6	43.1	15.0	42	40.7	10.0	-0.24	2.5	15.2
3.61	5.0E-05	0.00	97.4	2.01	7	32.8	14.7	47.5	16.6	42	41.1	10.0	-0.26	3.1	16.3
3.77	5.0E-05	0.00	92.0	1.62	7	32.4	12.0	44.4	15.1	42	40.2	10.0	-0.23	2.6	15.6
3.94	5.0E-05	-0.01	77.5	1.50	7	28.6	12.0	40.6	16.1	40	35.9	10.0	-0.20	2.6	14.0
4.10	5.0E-05	0.00	78.9	1.28	7	30.3	10.4	40.8	14.6	42	37.0	10.0	-0.19	2.3	14.4
4.27	5.0E-05	0.00	72.3	1.61	7	29.0	14.4	43.4	17.4	40	35.2	10.0	-0.20	3.0	14.6
4.43	5.0E-05	0.00	71.9	1.69	7	30.0	15.8	45.7	17.9	40	35.5	10.0	-0.21	3.3	15.3
4.59	5.0E-06	-0.01	67.7	1.87	7	29.2	18.5	47.7	19.5	UnDef	UnDef	10.0	UnDef	4.7	19.3
4.76	5.0E-06	-0.01	63.6	1.86	7	28.3	19.3	47.7	20.2	UnDef	UnDef	10.0	UnDef	4.8	19.0
4.92	5.0E-06	-0.01	57.7	1.92	7	26.5	21.2	47.7	21.6	UnDef	UnDef	10.0	UnDef	5.1	18.3
5.09	5.0E-06	-0.01	55.5	1.79	7	26.3	20.4	46.7	21.4	UnDef	UnDef	10.0	UnDef	4.9	18.1
5.25	5.0E-05	0.00	64.0	1.50	7	31.2	16.7	47.9	18.1	40	34.5	10.0	-0.18	3.5	15.9
5.41	5.0E-05	0.00	63.8	1.52	7	32.1	17.5	49.6	18.2	40	34.8	10.0	-0.18	3.6	16.2
5.58	5.0E-05	0.00	63.2	1.96	7	32.5	23.7	56.2	20.8	40	35.0	10.0	-0.21	4.6	17.3
5.74	5.0E-05	0.01	66.7	1.97	7	34.7	23.8	58.6	20.2	40	37.0	10.0	-0.22	4.6	18.2
5.91	5.0E-05	0.02	65.3	2.17	7	34.5	27.1	61.7	21.5	40	36.8	10.0	-0.23	5.1	18.7
6.07	5.0E-05	0.03	63.4	2.01	7	34.0	25.4	59.4	21.0	40	36.3	10.0	-0.21	4.9	18.2
6.23	5.0E-05	0.04	58.9	2.05	7	32.1	26.9	58.9	22.1	40	34.7	10.0	-0.21	5.0	17.6
6.40	5.0E-05	0.04	58.8	1.66	7	32.5	21.6	54.1	20.0	40	35.0	10.0	-0.18	4.2	16.9
6.56	5.0E-05	0.05	52.9	1.68	7	29.6	22.9	52.5	21.3	40	32.4	10.0	-0.17	4.3	15.9
6.73	5.0E-05	0.05	51.8	1.62	7	29.4	22.4	51.7	21.2	38	32.2	10.0	-0.16	4.3	15.8
6.89	5.0E-05	0.06	55.4	1.64	7	31.7	22.5	54.3	20.5	40	34.4	10.0	-0.17	4.4	16.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4237
CPT File: 315CP11.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.05	53.2	1.66	7	30.9	23.5	54.4	21.2	40	33.6	10.0	-0.17	4.5	16.6
7.22	5.0E-05	0.04	48.6	1.96	7	28.6	29.4	58.0	24.0	38	31.4	6.0	-0.18	5.2	16.4
7.38	5.0E-06	0.02	46.1	2.14	7	27.5	33.7	61.2	25.6	UnDef	UnDef	6.0	UnDef	7.1	20.5
7.55	5.0E-05	0.03	48.7	2.15	7	29.3	33.5	62.8	25.0	38	32.1	6.0	-0.19	5.7	17.2
7.71	5.0E-05	0.03	53.3	1.98	7	32.4	29.6	62.0	22.9	40	35.0	10.0	-0.19	5.4	18.1
7.87	5.0E-05	0.02	54.4	2.09	7	33.4	31.7	65.1	23.3	40	35.8	10.0	-0.20	5.7	18.8
8.04	5.0E-05	0.02	52.3	2.03	7	32.5	31.4	63.9	23.4	38	35.0	10.0	-0.19	5.6	18.4
8.20	5.0E-05	0.02	47.4	1.98	7	29.7	32.0	61.8	24.4	38	32.5	6.0	-0.18	5.6	17.2
8.37	5.0E-05	0.02	44.8	2.05	7	28.4	34.6	63.0	25.5	38	31.2	6.0	-0.18	5.8	17.0
8.53	5.0E-05	0.03	45.5	1.98	7	29.2	33.3	62.4	25.0	38	31.9	6.0	-0.18	5.7	17.1
8.69	5.0E-05	0.03	45.8	1.93	7	29.7	32.4	62.1	24.6	38	32.4	6.0	-0.17	5.6	17.2
8.86	5.0E-05	0.03	41.9	2.07	7	27.5	37.0	64.5	26.5	38	30.2	6.0	-0.17	6.0	16.8
9.02	5.0E-05	0.04	43.5	2.27	7	28.8	41.3	70.1	27.1	38	31.6	6.0	-0.19	6.6	17.8
9.19	5.0E-05	0.04	44.9	2.26	7	29.9	40.8	70.8	26.6	38	32.7	6.0	-0.19	6.6	18.3
9.35	5.0E-06	0.05	43.6	2.55	7	29.3	48.9	78.3	28.4	UnDef	UnDef	6.0	UnDef	9.2	23.6
9.51	5.0E-05	0.05	43.0	2.29	7	29.2	43.0	72.2	27.3	38	32.0	6.0	-0.18	6.8	18.2
9.68	5.0E-06	0.04	39.5	2.34	7	27.1	47.1	74.2	28.8	UnDef	UnDef	6.0	UnDef	8.7	22.0
9.84	5.0E-05	0.01	41.6	1.63	7	28.7	29.7	58.4	24.1	38	31.5	6.0	-0.15	5.2	16.5
10.01	5.0E-05	0.00	57.8	1.26	7	39.9	20.4	60.3	17.7	40	40.9	10.0	-0.16	4.2	19.8
10.17	5.0E-04	0.00	66.9	1.01	9	46.5	15.4	62.0	14.3	40	45.3	1.0	-0.15	2.8	18.0
10.33	5.0E-04	0.00	76.6	0.76	9	53.6	10.5	64.1	11.2	40	49.4	1.0	-0.14	2.0	19.5
10.50	5.0E-04	0.00	84.0	0.59	9	59.2	6.9	66.1	8.9	42	52.3	1.0	-0.13	1.3	20.7
10.66	5.0E-04	0.00	82.0	0.59	9	58.2	7.3	65.5	9.1	42	51.8	1.0	-0.12	1.4	20.4
10.83	5.0E-04	0.00	80.8	1.05	9	57.9	15.2	73.1	12.8	42	51.6	1.0	-0.17	2.8	21.7
10.99	5.0E-04	0.00	73.5	1.49	7	53.1	23.7	76.8	16.6	40	49.1	1.0	-0.20	4.1	21.5
11.15	5.0E-05	0.00	66.8	1.78	7	48.7	29.8	78.5	19.2	40	46.7	10.0	-0.21	5.9	25.0
11.32	5.0E-04	0.00	64.8	1.56	7	47.6	26.1	73.7	18.3	40	46.0	1.0	-0.19	4.4	20.0
11.48	5.0E-04	0.00	63.9	1.13	7	47.3	18.9	66.2	15.7	40	45.8	1.0	-0.16	3.3	18.8
11.65	5.0E-05	0.00	52.3	1.70	7	39.2	31.1	70.2	21.6	38	40.4	10.0	-0.18	5.9	21.2
11.81	5.0E-05	0.00	45.1	1.95	7	34.1	38.5	72.5	24.9	38	36.4	6.0	-0.18	6.6	20.0
11.97	5.0E-05	0.00	40.1	2.33	7	30.6	51.8	82.3	28.5	38	33.3	6.0	-0.18	7.8	19.7
12.14	5.0E-05	0.01	40.8	2.13	7	31.4	45.7	77.1	27.2	38	34.1	6.0	-0.17	7.2	19.5
12.30	5.0E-05	0.01	49.9	1.42	7	38.4	26.8	65.2	20.4	38	39.8	6.0	-0.15	5.2	20.2
12.47	5.0E-04	0.01	64.6	1.11	7	49.9	19.2	69.0	15.4	40	47.3	1.0	-0.15	3.4	19.7
12.63	5.0E-04	0.00	64.0	1.36	7	49.7	24.0	73.7	17.2	40	47.3	1.0	-0.17	4.1	20.4
12.80	5.0E-05	0.00	47.8	1.59	7	37.6	31.3	68.9	22.0	38	39.2	6.0	-0.16	5.8	20.6
12.96	5.0E-05	0.00	40.9	1.56	7	32.4	32.9	65.4	23.9	38	35.0	6.0	-0.14	5.8	18.5
13.12	5.0E-04	0.01	53.1	1.28	7	42.2	24.4	66.6	18.7	40	42.6	1.0	-0.15	4.1	17.9
13.29	5.0E-04	0.00	72.8	0.98	9	57.9	16.6	74.5	13.3	40	51.6	1.0	-0.16	3.1	22.0
13.45	5.0E-03	0.00	84.4	0.80	9	67.5	11.9	79.4	10.6	42	56.0	1.0	-0.15	1.7	18.2
13.62	5.0E-03	0.00	85.2	0.71	9	68.5	10.2	78.7	9.8	42	56.4	1.0	-0.14	1.5	18.2
13.78	5.0E-03	0.00	83.9	0.68	9	68.0	9.7	77.7	9.7	42	56.2	1.0	-0.14	1.4	18.0
13.94	5.0E-03	0.00	87.0	0.75	9	70.9	10.8	81.7	9.9	42	57.4	1.0	-0.15	1.6	18.9
14.11	5.0E-03	0.00	85.3	0.75	9	69.9	11.2	81.1	10.2	42	57.0	1.0	-0.15	1.6	18.7
14.27	5.0E-03	0.00	85.4	0.88	9	70.4	13.8	84.2	11.1	42	57.2	1.0	-0.16	2.0	19.2
14.44	5.0E-04	0.00	78.7	1.20	9	65.4	20.9	86.2	14.1	42	55.1	1.0	-0.18	3.8	25.1
14.60	5.0E-04	0.00	70.9	1.51	7	59.3	28.2	87.5	17.1	40	52.3	1.0	-0.19	4.9	24.2
14.76	5.0E-04	0.00	66.1	1.82	7	55.6	35.3	90.9	19.5	40	50.5	1.0	-0.21	5.8	24.0
14.93	5.0E-04	0.00	65.5	1.50	7	55.5	28.8	84.2	17.8	40	50.4	1.0	-0.19	4.9	23.0
15.09	5.0E-04	0.00	80.3	1.19	9	68.2	21.0	89.2	13.8	42	56.3	1.0	-0.18	3.8	26.1
15.26	5.0E-03	0.00	105.3	0.77	9	89.7	9.5	99.2	8.6	42	64.1	1.0	-0.17	1.4	23.3
15.42	5.0E-03	0.00	100.5	0.76	9	86.1	9.9	96.0	8.9	42	63.0	1.0	-0.16	1.5	22.5
15.58	5.0E-03	0.00	90.0	0.75	9	77.6	11.0	88.7	9.7	42	60.0	1.0	-0.15	1.6	20.6
15.75	5.0E-04	0.00	84.7	1.11	9	73.5	19.3	92.8	12.8	42	58.4	1.0	-0.18	3.6	27.6
15.91	5.0E-04	0.00	70.2	1.38	7	61.4	26.7	88.1	16.4	40	53.3	1.0	-0.18	4.7	24.7
16.08	5.0E-04	0.00	63.1	1.44	7	55.5	29.0	84.5	17.9	40	50.4	1.0	-0.18	5.0	23.1
16.24	5.0E-04	0.00	56.4	1.82	7	49.9	38.8	88.7	21.4	40	47.4	1.0	-0.19	6.1	22.4
16.40	5.0E-05	0.00	46.3	2.09	7	41.4	48.8	90.2	25.3	38	42.0	6.0	-0.19	8.3	24.5
16.57	5.0E-05	0.00	41.9	2.31	7	37.8	58.6	96.4	27.8	38	39.4	6.0	-0.19	9.1	23.9
16.73	5.0E-05	0.01	37.7	2.18	7	34.2	58.4	92.6	28.6	38	36.5	6.0	-0.17	8.7	22.1
16.90	5.0E-05	0.01	37.3	2.02	7	34.1	53.3	87.4	27.9	38	36.4	6.0	-0.16	8.2	21.6
17.06	5.0E-05	0.01	33.6	1.90	7	30.9	53.2	84.1	28.7	36	33.6	6.0	-0.14	7.9	20.0
17.22	5.0E-05	0.01	30.1	1.86	7	27.9	56.9	84.8	30.1	36	30.7	6.0	-0.13	7.9	18.8
17.39	5.0E-05	0.01	31.4	1.73	7	29.2	49.9	79.2	28.6	36	32.0	6.0	-0.12	7.5	18.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4237
CPT File: 315CP11.COR

·th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.01	35.5	1.72	7	33.0	45.9	78.9	26.8	38	35.5	6.0	-0.14	7.4	20.3
17.72	5.0E-05	0.01	36.1	1.73	7	33.8	46.1	79.9	26.6	38	36.2	6.0	-0.14	7.5	20.7
17.88	5.0E-05	0.01	37.7	1.86	7	35.4	49.1	84.5	26.8	38	37.5	6.0	-0.15	7.9	21.8
18.04	5.0E-05	0.01	36.5	1.84	7	34.4	49.8	84.2	27.2	38	36.7	6.0	-0.15	7.9	21.4
18.21	5.0E-05	0.01	36.6	1.70	7	34.7	45.3	80.0	26.2	38	36.9	6.0	-0.14	7.4	21.0
18.37	5.0E-04	0.01	41.8	1.61	7	39.6	40.1	79.7	23.8	38	40.8	1.0	-0.15	5.9	18.9
18.54	5.0E-04	0.00	43.3	1.18	7	41.3	28.9	70.2	20.4	38	41.9	1.0	-0.12	4.7	18.1
18.70	5.0E-04	0.00	44.9	1.08	7	42.9	26.3	69.2	19.2	38	43.0	1.0	-0.12	4.4	18.4
18.86	5.0E-04	0.00	40.7	1.31	7	39.1	33.3	72.4	22.2	38	40.4	1.0	-0.13	5.1	17.9
19.03	5.0E-05	0.00	33.3	1.65	7	32.4	47.5	79.8	27.3	36	34.9	6.0	-0.13	7.5	20.2
19.19	5.0E-05	0.00	28.3	2.12	6	27.7	78.1	105.8	32.6	36	30.5	6.0	-0.13	9.3	20.2
19.36	5.0E-05	0.01	26.1	2.03	6	25.8	80.7	106.5	33.4	34	30.0	6.0	-0.12	9.1	19.2
19.52	5.0E-05	0.02	25.7	2.00	6	25.5	80.9	106.5	33.5	34	30.0	6.0	-0.12	9.1	19.1
19.68	5.0E-05	0.03	24.3	2.02	6	24.2	90.6	114.8	34.5	34	30.0	6.0	-0.11	9.2	18.7
19.85	5.0E-05	0.03	23.9	1.81	6	24.0	76.2	100.3	33.5	34	30.0	6.0	-0.10	8.5	17.9
20.01	5.0E-05	0.04	22.8	1.80	6	23.0	81.8	104.8	34.2	34	30.0	6.0	-0.09	8.6	17.6
20.18	5.0E-05	0.04	21.6	1.65	6	22.0	76.3	98.3	34.1	34	30.0	6.0	-0.08	8.1	16.7
20.34	5.0E-05	0.05	22.3	1.72	6	22.7	78.7	101.4	34.1	34	30.0	6.0	-0.08	8.4	17.3
20.51	5.0E-05	0.04	26.3	1.48	7	26.8	51.7	78.4	29.7	34	30.0	6.0	-0.09	7.3	17.8
20.67	5.0E-05	0.04	25.1	1.66	7	25.7	63.3	89.0	31.6	34	30.0	6.0	-0.09	8.1	18.1
20.83	5.0E-05	0.05	20.6	1.82	6	21.3	85.1	106.4	36.1	34	30.0	6.0	-0.08	8.3	16.7
21.00	5.0E-05	0.06	19.5	1.70	6	20.4	81.4	101.8	36.2	32	30.0	6.0	-0.07	8.0	15.9
21.16	5.0E-05	0.05	22.9	1.40	7	23.8	56.0	79.7	31.3	34	30.0	6.0	-0.07	7.3	16.6
21.33	5.0E-05	0.06	22.7	2.50	6	23.7	94.6	118.3	38.5	34	30.0	6.0	-0.12	9.3	18.5
21.49	5.0E-05	0.06	24.2	2.40	6	25.3	101.1	126.4	36.8	34	30.0	6.0	-0.12	9.9	19.8
21.65	5.0E-05	0.05	25.0	2.24	6	26.1	104.6	130.7	35.4	34	30.0	6.0	-0.12	10.2	20.5
21.82	5.0E-05	0.05	24.0	1.88	6	25.3	84.3	109.6	33.8	34	30.0	6.0	-0.10	9.2	19.1
21.98	5.0E-05	0.06	23.3	1.56	7	24.7	65.2	89.9	32.2	34	30.0	6.0	-0.08	8.0	17.7
[illegible].15	5.0E-05	0.07	21.6	1.71	6	23.1	85.7	108.7	34.5	34	30.0	6.0	-0.08	8.8	17.8
[illegible]31	5.0E-05	0.07	21.8	1.56	6	23.3	71.9	95.2	33.3	34	30.0	6.0	-0.07	8.2	17.3
[illegible].47	5.0E-05	0.06	26.6	1.61	7	28.3	59.7	88.0	30.4	36	31.1	6.0	-0.09	8.2	19.3
22.64	5.0E-05	0.04	23.3	1.90	6	25.0	93.0	118.0	34.5	34	30.0	6.0	-0.10	9.5	19.3
22.80	5.0E-05	0.03	28.6	1.79	7	30.6	65.0	95.6	30.5	36	33.3	6.0	-0.11	8.9	20.8
22.97	5.0E-05	0.01	26.8	1.73	7	28.8	66.2	95.1	31.1	36	31.6	6.0	-0.11	8.7	20.0
23.13	5.0E-05	0.02	27.5	1.61	7	29.7	58.6	88.3	29.9	36	32.5	6.0	-0.10	8.3	19.9
23.29	5.0E-04	0.01	33.5	1.34	7	36.1	41.4	77.5	25.0	36	38.0	1.0	-0.11	5.9	17.7
23.46	5.0E-04	0.00	43.0	1.14	7	46.2	31.6	77.8	20.2	38	45.1	1.0	-0.12	5.1	20.2
23.62	5.0E-04	0.00	47.8	1.20	7	51.3	32.0	83.4	19.4	38	48.2	1.0	-0.13	5.3	22.0
23.79	5.0E-04	0.00	46.7	1.75	7	50.4	48.1	98.4	23.3	38	47.6	1.0	-0.17	7.2	23.7
23.95	5.0E-05	0.00	38.7	2.26	7	42.0	72.0	114.0	28.6	38	42.4	6.0	-0.18	10.7	27.2
24.11	5.0E-05	0.00	34.8	2.61	6	38.0	98.6	136.7	32.0	36	39.6	6.0	-0.18	12.3	27.1
24.28	5.0E-05	0.00	34.8	2.23	7	38.2	77.0	115.2	30.0	38	39.7	6.0	-0.16	10.7	25.7
24.44	5.0E-05	0.00	35.1	1.96	7	38.6	64.4	103.0	28.4	38	40.0	6.0	-0.15	9.7	24.8
24.61	5.0E-04	0.00	45.4	1.10	7	49.8	30.7	80.5	19.3	38	47.3	1.0	-0.12	5.1	21.3
24.77	5.0E-03	0.00	62.6	0.98	9	68.6	24.2	92.8	14.8	40	56.5	1.0	-0.14	3.3	20.0
24.93	5.0E-02	0.00	101.2	0.74	9	110.5	12.0	122.5	8.7	42	70.1	1.0	-0.16	1.4	23.0
25.10	5.0E+00	0.00	156.0	0.01	10	170.4	0.0	170.4	2.6	44	82.6	1.0	0.15	0.0	27.8
25.26	5.0E+00	0.00	166.7	0.01	10	182.8	0.0	182.8	2.5	44	84.6	1.0	0.15	0.0	29.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4276
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-12
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 07:57
CPT File: 315CP12.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.6	0.02	0.44	-1.2	1	74.5	0.01	0.01	0.00	2.00	2.2	4.4	0.37	0.00
0.33	9.3	0.02	0.22	-1.1	1	74.5	0.01	0.01	0.00	2.00	4.4	8.9	0.74	0.00
0.49	7.3	0.02	0.27	-1.4	1	74.5	0.02	0.02	0.00	2.00	3.5	7.0	0.58	0.00
0.66	5.9	0.02	0.34	-1.2	1	74.5	0.02	0.02	0.00	2.00	2.8	5.7	0.47	0.00
0.82	2.0	0.02	1.00	-1.3	1	74.5	0.03	0.03	0.00	2.00	1.0	1.9	0.16	0.00
0.98	2.0	0.02	1.00	-1.3	1	74.5	0.04	0.04	0.00	2.00	1.0	1.9	0.16	0.00
1.15	2.0	0.02	1.00	-1.2	1	74.5	0.04	0.04	0.00	2.00	1.0	1.9	0.16	0.00
31	2.0	0.02	1.00	-1.4	1	74.5	0.05	0.05	0.00	2.00	1.0	1.9	0.16	0.00
.48	3.0	0.02	0.67	-1.2	1	74.5	0.05	0.05	0.00	2.00	1.4	2.9	0.24	0.00
1.64	10.1	0.03	0.30	-1.0	6	98.7	0.06	0.06	0.00	2.00	3.9	7.7	0.80	0.00
1.80	23.5	0.18	0.77	-1.0	7	98.7	0.07	0.07	0.00	2.00	7.5	15.0	UnDef	0.09
1.97	35.1	0.35	1.00	-1.2	7	98.7	0.08	0.08	0.00	2.00	11.2	22.4	UnDef	0.11
2.13	33.5	0.47	1.41	-1.3	7	98.7	0.09	0.09	0.00	2.00	10.7	21.4	UnDef	0.10
2.30	28.9	0.55	1.90	-1.1	6	98.7	0.09	0.09	0.00	2.00	11.1	22.2	2.31	0.10
2.46	24.5	0.65	2.66	-1.2	5	85.3	0.10	0.10	0.00	2.00	11.7	23.5	1.95	0.00
2.62	20.1	0.36	1.79	-1.1	6	98.7	0.11	0.11	0.00	2.00	7.7	15.4	1.60	0.09
2.79	16.4	0.30	1.83	0.6	6	98.7	0.12	0.12	0.00	2.00	6.3	12.6	1.31	0.09
2.95	14.0	0.24	1.72	-1.2	5	85.3	0.13	0.13	0.00	2.00	6.7	13.4	1.11	0.08
3.12	13.7	0.20	1.47	-4.4	6	98.7	0.13	0.13	0.00	2.00	5.2	10.5	1.08	0.08
3.28	19.3	0.22	1.14	-2.4	6	98.7	0.14	0.14	0.00	2.00	7.4	14.8	1.53	0.09
3.44	21.3	0.30	1.41	-1.1	6	98.7	0.15	0.15	0.00	2.00	8.2	16.4	1.70	0.09
3.61	20.6	0.37	1.80	-0.8	6	98.7	0.16	0.16	0.00	2.00	7.9	15.8	1.63	0.09
3.77	19.7	0.38	1.93	-2.0	6	98.7	0.17	0.17	0.00	2.00	7.6	15.1	1.57	0.09
3.94	18.3	0.31	1.70	-3.1	6	98.7	0.17	0.17	0.00	2.00	7.0	14.0	1.45	0.09
4.10	15.5	0.26	1.68	-1.5	6	98.7	0.18	0.18	0.00	2.00	5.9	11.9	1.23	0.09
4.27	14.5	0.19	1.31	-1.8	6	98.7	0.19	0.19	0.00	2.00	5.6	11.1	1.15	0.09
4.43	15.6	0.18	1.16	-6.0	6	98.7	0.20	0.20	0.00	2.00	6.0	11.9	1.23	0.09
4.59	16.3	0.21	1.29	-8.0	6	98.7	0.21	0.21	0.00	2.00	6.2	12.5	1.28	0.09
4.76	17.7	0.28	1.58	-9.8	6	98.7	0.21	0.21	0.00	2.00	6.8	13.6	1.40	0.09
4.92	19.5	0.34	1.75	-10.0	6	98.7	0.22	0.22	0.00	2.00	7.5	14.9	1.54	0.09
5.09	21.1	0.36	1.71	-6.6	6	98.7	0.23	0.23	0.00	2.00	8.1	16.1	1.67	0.10
5.25	18.3	0.34	1.87	-3.9	6	98.7	0.24	0.24	0.00	2.00	7.0	14.0	1.44	0.10
5.41	15.3	0.30	1.97	-4.2	5	85.3	0.25	0.25	0.00	2.00	7.3	14.6	1.20	0.09
5.58	11.7	0.28	2.39	-5.3	5	85.3	0.25	0.25	0.00	1.99	5.6	11.2	0.92	0.10
5.74	11.4	0.23	2.03	-8.0	5	85.3	0.26	0.26	0.00	1.96	5.4	10.7	0.89	0.09
5.91	10.5	0.22	2.09	-5.7	5	85.3	0.27	0.27	0.00	1.94	5.0	9.8	0.82	0.09
6.07	11.4	0.21	1.84	-5.3	5	85.3	0.27	0.27	0.00	1.91	5.5	10.5	0.89	0.09
6.23	12.1	0.23	1.91	-1.5	5	85.3	0.28	0.28	0.00	1.89	5.8	10.9	0.94	0.09
.40	12.6	0.23	1.83	-1.6	5	85.3	0.29	0.29	0.00	1.87	6.0	11.2	0.98	0.09
6	14.3	0.31	2.18	-0.9	5	85.3	0.29	0.29	0.00	1.84	6.8	12.6	1.12	0.10
.73	16.4	0.31	1.89	4.2	6	98.7	0.30	0.30	0.00	1.82	6.3	11.5	1.29	0.10
6.89	16.6	0.30	1.81	3.6	6	98.7	0.31	0.31	0.00	1.80	6.4	11.4	1.31	0.09

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th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	15.7	0.28	1.78	2.1	6	98.7	0.32	0.32	0.00	1.77	6.0	10.7	1.23	0.09
7.22	14.6	0.26	1.78	6.0	5	85.3	0.33	0.33	0.00	1.75	7.0	12.3	1.14	0.09
7.38	14.0	0.22	1.57	7.8	6	98.7	0.33	0.33	0.00	1.73	5.4	9.3	1.10	0.09
7.55	15.5	0.22	1.43	13.1	6	98.7	0.34	0.34	0.00	1.71	5.9	10.1	1.21	0.09
7.71	14.6	0.25	1.71	9.9	5	85.3	0.35	0.35	0.00	1.69	7.0	11.9	1.14	0.09
7.87	14.1	0.29	2.06	10.2	5	85.3	0.36	0.36	0.00	1.68	6.8	11.3	1.10	0.10
8.04	14.5	0.30	2.07	-0.5	5	85.3	0.36	0.36	0.00	1.66	6.9	11.5	1.13	0.10
8.20	16.7	0.37	2.22	4.6	5	85.3	0.37	0.37	0.00	1.64	8.0	13.2	1.31	0.11
8.37	16.1	0.37	2.30	4.4	5	85.3	0.38	0.38	0.00	1.63	7.7	12.6	1.26	0.11
8.53	14.9	0.35	2.36	-0.1	5	85.3	0.38	0.38	0.00	1.61	7.1	11.5	1.16	0.11
8.69	13.1	0.29	2.22	-0.8	5	85.3	0.39	0.39	0.00	1.60	6.3	10.0	1.02	0.11
8.86	12.5	0.24	1.92	-0.5	5	85.3	0.40	0.40	0.00	1.59	6.0	9.5	0.97	0.10
9.02	11.6	0.21	1.81	-0.5	5	85.3	0.40	0.40	0.00	1.57	5.6	8.8	0.90	0.10
9.19	12.6	0.17	1.35	-0.7	6	98.7	0.41	0.41	0.00	1.56	4.8	7.5	0.97	0.09
9.35	14.6	0.27	1.86	-0.3	5	85.3	0.42	0.42	0.00	1.54	7.0	10.8	1.13	0.10
9.51	19.9	0.35	1.77	-0.1	6	98.7	0.43	0.43	0.00	1.53	7.6	11.6	1.56	0.10
9.68	20.9	0.43	2.07	5.1	6	98.7	0.44	0.44	0.00	1.52	8.0	12.1	1.63	0.11
9.84	19.3	0.43	2.23	8.2	6	98.7	0.44	0.44	0.00	1.50	7.4	11.1	1.51	0.11
10.01	19.7	0.39	1.98	10.3	6	98.7	0.45	0.45	0.00	1.49	7.6	11.2	1.54	0.11
10.17	20.5	0.38	1.86	11.9	6	98.7	0.46	0.46	0.00	1.47	7.9	11.6	1.60	0.10
10.33	18.6	0.38	2.05	11.6	6	98.7	0.47	0.47	0.00	1.46	7.1	10.4	1.45	0.11
10.50	21.5	0.41	1.91	20.7	6	98.7	0.48	0.48	0.00	1.45	8.2	11.9	1.68	0.11
10.66	23.8	0.33	1.39	14.7	6	98.7	0.48	0.48	0.00	1.44	9.1	13.1	1.86	0.10
10.83	31.3	0.27	0.87	3.1	7	98.7	0.49	0.49	0.00	1.43	10.0	14.2	UnDef	0.10
10.99	31.9	0.28	0.88	-0.8	7	98.7	0.50	0.50	0.00	1.41	10.2	14.4	UnDef	0.10
11.15	34.4	0.31	0.90	-0.9	7	98.7	0.51	0.51	0.00	1.40	11.0	15.4	UnDef	0.10
11.32	34.6	0.45	1.30	-1.0	7	98.7	0.52	0.52	0.00	1.39	11.0	15.4	UnDef	0.11
11.48	35.5	0.48	1.36	-1.2	7	98.7	0.52	0.52	0.00	1.38	11.3	15.6	UnDef	0.11
[illegible].65	32.6	0.48	1.48	-1.7	6	98.7	0.53	0.53	0.00	1.37	12.5	17.1	2.56	0.11
[illegible]31	27.0	0.47	1.75	-1.1	6	98.7	0.54	0.54	0.00	1.36	10.3	14.1	2.11	0.11
[illegible].97	23.8	0.48	2.02	-0.9	6	98.7	0.55	0.55	0.00	1.35	9.1	12.3	1.86	0.12
12.14	21.5	0.48	2.24	0.3	6	98.7	0.56	0.56	0.00	1.34	8.2	11.0	1.67	0.13
12.30	24.6	0.47	1.91	4.2	6	98.7	0.57	0.57	0.00	1.33	9.4	12.6	1.93	0.11
12.47	30.8	0.44	1.43	3.7	6	98.7	0.57	0.57	0.00	1.32	11.8	15.6	2.42	0.11
12.63	38.9	0.33	0.85	-1.2	7	98.7	0.58	0.58	0.00	1.31	12.4	16.3	UnDef	0.10
12.80	44.7	0.24	0.54	-0.7	7	98.7	0.59	0.59	0.00	1.30	14.3	18.6	UnDef	0.11
12.96	42.2	0.19	0.45	-0.8	7	98.7	0.60	0.60	0.00	1.29	13.5	17.4	UnDef	0.09
13.12	45.2	0.22	0.49	-0.8	8	101.8	0.61	0.61	0.00	1.29	10.8	13.9	UnDef	0.10
13.29	44.8	0.30	0.67	-0.6	7	98.7	0.61	0.61	0.00	1.28	14.3	18.3	UnDef	0.11
13.45	45.7	0.42	0.92	-0.7	7	98.7	0.62	0.62	0.00	1.27	14.6	18.5	UnDef	0.11
13.62	40.4	0.53	1.31	-0.8	7	98.7	0.63	0.63	0.00	1.26	12.9	16.3	UnDef	0.12
13.78	35.5	0.65	1.83	-0.6	6	98.7	0.64	0.64	0.00	1.25	13.6	17.0	2.79	0.13
13.94	29.7	0.66	2.23	-0.2	6	98.7	0.65	0.65	0.00	1.24	11.4	14.1	2.32	0.14
14.11	29.8	0.73	2.45	1.2	6	98.7	0.65	0.65	0.00	1.24	11.4	14.1	2.34	0.15
14.27	30.2	0.69	2.29	3.1	6	98.7	0.66	0.66	0.00	1.23	11.6	14.2	2.37	0.14
14.44	28.3	0.67	2.37	6.5	6	98.7	0.67	0.67	0.00	1.22	10.9	13.3	2.21	0.15
14.60	32.8	0.60	1.84	9.8	6	98.7	0.68	0.68	0.00	1.21	12.6	15.2	2.57	0.12
14.76	43.2	0.58	1.35	4.1	7	98.7	0.69	0.69	0.00	1.21	13.8	16.6	UnDef	0.12
14.93	47.7	0.65	1.37	-0.8	7	98.7	0.69	0.69	0.00	1.20	15.2	18.3	UnDef	0.13
15.09	52.3	0.72	1.38	-0.7	7	98.7	0.70	0.70	0.00	1.19	16.7	19.9	UnDef	0.14
15.26	46.3	0.76	1.65	-0.8	7	98.7	0.71	0.71	0.00	1.19	14.8	17.5	UnDef	0.14
15.42	31.7	0.67	2.12	-0.2	6	98.7	0.72	0.72	0.00	1.18	12.1	14.3	2.48	0.14
15.58	42.0	0.50	1.19	-4.5	7	98.7	0.73	0.73	0.00	1.17	13.4	15.7	UnDef	0.12
15.75	49.8	0.50	1.01	-0.8	7	98.7	0.74	0.74	0.00	1.17	15.9	18.5	UnDef	0.12
15.91	49.1	0.62	1.27	-0.5	7	98.7	0.74	0.74	0.00	1.16	15.7	18.2	UnDef	0.13
16.08	50.9	0.74	1.46	-0.6	7	98.7	0.75	0.75	0.00	1.15	16.3	18.8	UnDef	0.14
16.24	52.8	0.65	1.23	-0.1	7	98.7	0.76	0.76	0.00	1.15	16.9	19.4	UnDef	0.13
16.40	69.6	0.52	0.75	-0.8	8	101.8	0.77	0.77	0.00	1.14	16.7	19.0	UnDef	0.15
16.57	75.4	0.40	0.53	-0.6	8	101.8	0.78	0.78	0.00	1.14	18.0	20.5	UnDef	0.15
16.73	80.1	0.38	0.48	-0.2	8	101.8	0.78	0.78	0.00	1.13	19.2	21.7	UnDef	0.14
[illegible]90	76.5	0.40	0.52	-0.4	8	101.8	0.79	0.79	0.00	1.12	18.3	20.6	UnDef	0.15
[illegible]6	72.8	0.37	0.51	-0.2	8	101.8	0.80	0.80	0.00	1.12	17.4	19.5	UnDef	0.14
[illegible].22	62.7	0.44	0.70	-0.2	8	101.8	0.81	0.81	0.00	1.11	15.0	16.7	UnDef	0.13
17.39	53.9	0.61	1.13	-0.2	7	98.7	0.82	0.82	0.00	1.11	17.2	19.0	UnDef	0.13

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›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	39.0	0.72	1.85	-0.1	6	98.7	0.83	0.83	0.00	1.10	15.0	16.5	3.06	0.14
17.72	33.5	0.76	2.27	0.6	6	98.7	0.83	0.83	0.00	1.10	12.8	14.1	2.61	0.17
17.88	31.5	0.67	2.13	3.1	6	98.7	0.84	0.84	0.00	1.09	12.1	13.2	2.45	0.16
18.04	27.5	0.56	2.04	5.8	6	98.7	0.85	0.85	0.00	1.08	10.5	11.4	2.13	0.16
18.21	28.9	0.54	1.87	8.1	6	98.7	0.86	0.86	0.00	1.08	11.1	12.0	2.25	0.14
18.37	32.0	0.48	1.50	10.3	6	98.7	0.87	0.87	0.00	1.07	12.3	13.2	2.49	0.12
18.54	34.8	0.54	1.56	8.0	6	98.7	0.87	0.87	0.00	1.07	13.3	14.3	2.71	0.12
18.70	36.9	0.60	1.63	1.8	6	98.7	0.88	0.88	0.00	1.06	14.1	15.0	2.88	0.13
18.86	37.5	0.60	1.60	2.2	7	98.7	0.89	0.89	0.00	1.06	12.0	12.7	UnDef	0.13
19.03	38.7	0.34	0.88	3.3	7	98.7	0.90	0.90	0.00	1.05	12.4	13.0	UnDef	0.10
19.19	46.1	0.23	0.50	0.8	8	101.8	0.91	0.91	0.00	1.05	11.0	11.6	UnDef	0.10
19.36	45.6	0.21	0.46	2.2	8	101.8	0.92	0.92	0.00	1.05	10.9	11.4	UnDef	0.09
19.52	38.1	0.34	0.89	2.3	7	98.7	0.92	0.92	0.00	1.04	12.2	12.7	UnDef	0.10
19.68	30.1	0.49	1.63	2.2	6	98.7	0.93	0.93	0.00	1.04	11.5	12.0	2.33	0.13
19.85	23.7	0.54	2.28	2.9	6	98.7	0.94	0.94	0.00	1.03	9.1	9.4	1.82	0.24
20.01	23.1	0.53	2.30	8.0	6	98.7	0.95	0.95	0.00	1.03	8.8	9.1	1.77	0.22
20.18	25.1	0.51	2.04	18.1	6	98.7	0.96	0.96	0.00	1.02	9.6	9.8	1.93	0.23
20.34	24.5	0.49	2.01	22.8	6	98.7	0.96	0.96	0.00	1.02	9.4	9.5	1.88	0.24
20.51	23.4	0.44	1.89	26.6	6	98.7	0.97	0.97	0.00	1.01	9.0	9.1	1.79	0.23
20.67	22.5	0.39	1.74	30.1	6	98.7	0.98	0.98	0.00	1.01	8.6	8.7	1.72	0.21
20.83	22.1	0.35	1.58	33.2	6	98.7	0.99	0.99	0.00	1.01	8.5	8.5	1.69	0.17
21.00	24.3	0.37	1.52	36.2	6	98.7	1.00	1.00	0.00	1.00	9.3	9.3	1.87	0.14
21.16	25.7	0.45	1.75	37.0	6	98.7	1.00	1.00	0.00	1.00	9.9	9.8	1.98	0.17
21.33	24.1	0.42	1.74	36.0	6	98.7	1.01	1.01	0.00	0.99	9.2	9.2	1.85	0.20
21.49	20.1	0.38	1.89	37.6	6	98.7	1.02	1.02	0.00	0.99	7.7	7.6	1.53	0.17
21.65	22.4	0.35	1.56	39.1	6	98.7	1.03	1.03	0.00	0.99	8.6	8.5	1.71	0.19
21.82	21.9	0.34	1.56	38.2	6	98.7	1.04	1.04	0.00	0.98	8.4	8.2	1.67	0.19
21.98	23.5	0.37	1.58	41.6	6	98.7	1.04	1.04	0.00	0.98	9.0	8.8	1.79	0.18
[illegible].15	25.6	0.35	1.37	44.3	6	98.7	1.05	1.05	0.00	0.97	9.8	9.5	1.96	0.13
[illegible]31	22.5	0.42	1.87	46.4	6	98.7	1.06	1.06	0.00	0.97	8.6	8.4	1.72	0.19
[illegible].47	22.9	0.46	2.02	48.1	6	98.7	1.07	1.07	0.00	0.97	8.8	8.5	1.74	0.20
22.64	28.4	0.49	1.73	23.3	6	98.7	1.08	1.08	0.00	0.96	10.9	10.5	2.19	0.17
22.80	24.7	0.51	2.07	27.4	6	98.7	1.09	1.09	0.00	0.96	9.5	9.1	1.89	0.23
22.97	26.0	0.47	1.81	30.9	6	98.7	1.09	1.09	0.00	0.96	10.0	9.5	1.99	0.24
23.13	26.9	0.44	1.64	32.6	6	98.7	1.10	1.10	0.00	0.95	10.3	9.8	2.06	0.18
23.29	30.8	0.37	1.20	34.1	7	98.7	1.11	1.11	0.00	0.95	9.8	9.3	UnDef	0.12
23.46	44.4	0.44	0.99	8.2	7	98.7	1.12	1.12	0.00	0.95	14.2	13.4	UnDef	0.11
23.62	50.0	0.64	1.28	0.7	7	98.7	1.13	1.13	0.00	0.94	16.0	15.0	UnDef	0.13
23.79	45.2	0.84	1.86	0.6	7	98.7	1.13	1.13	0.00	0.94	14.4	13.6	UnDef	0.17
23.95	38.1	0.91	2.39	1.5	6	98.7	1.14	1.14	0.00	0.94	14.6	13.7	2.96	0.29
24.11	38.5	0.95	2.47	3.0	6	98.7	1.15	1.15	0.00	0.93	14.7	13.7	2.99	0.31
24.28	41.7	0.93	2.23	2.9	6	98.7	1.16	1.16	0.00	0.93	16.0	14.9	3.25	0.23
24.44	37.6	0.87	2.32	2.0	6	98.7	1.17	1.17	0.00	0.93	14.4	13.3	2.91	0.28
24.61	37.9	0.74	1.96	3.9	6	98.7	1.17	1.17	0.00	0.92	14.5	13.4	2.93	0.19
24.77	50.9	0.58	1.14	3.3	7	98.7	1.18	1.18	0.00	0.92	16.3	15.0	UnDef	0.13
24.93	60.5	0.63	1.04	2.2	7	98.7	1.19	1.19	0.00	0.92	19.3	17.7	UnDef	0.13
25.10	77.4	0.61	0.79	1.4	8	101.8	1.20	1.20	0.00	0.91	18.5	16.9	UnDef	0.14
25.26	122.3	0.71	0.58	0.6	9	101.8	1.21	1.21	0.00	0.91	23.4	21.3	UnDef	0.23
25.43	185.6	0.02	0.01	0.6	9	101.8	1.22	1.22	0.00	0.91	35.5	32.2	UnDef	0.00
25.59	196.7	0.02	0.01	0.1	10	127.3	1.22	1.22	0.00	0.90	31.4	28.4	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-4276
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-12
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 07:57
CPT File: 315CP12.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	-0.01	753.0	0.44	10	8.8	0.0	8.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.4
0.33	1.7E-07	0.00	757.6	0.22	10	17.8	0.0	17.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.9
0.49	1.7E-07	-0.01	396.9	0.28	10	14.0	0.0	14.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.0
0.66	1.7E-07	-0.01	242.5	0.34	10	11.4	0.0	11.4	0.6	UnDef	UnDef	10.0	UnDef	0.0	5.7
0.82	1.7E-07	-0.02	64.4	1.02	9	3.8	1.4	5.2	14.8	UnDef	UnDef	10.0	UnDef	0.4	2.3
0.98	1.7E-07	-0.02	53.5	1.02	7	3.8	1.8	5.6	16.8	UnDef	UnDef	10.0	UnDef	0.5	2.4
1.15	1.7E-07	-0.02	45.8	1.02	7	3.8	2.2	6.0	18.6	UnDef	UnDef	6.0	UnDef	0.6	2.5
1.31	1.7E-07	-0.02	39.9	1.03	7	3.8	2.6	6.5	20.3	UnDef	UnDef	6.0	UnDef	0.7	2.6
48	1.7E-07	-0.01	53.8	0.68	9	5.8	1.8	7.6	13.8	UnDef	UnDef	10.0	UnDef	0.5	3.4
.64	5.0E-05	0.00	161.7	0.30	9	19.3	0.0	19.3	2.0	44	40.8	10.0	-0.13	0.0	7.7
1.80	5.0E-04	0.00	333.2	0.77	9	44.9	0.0	44.9	2.3	48	63.2	1.0	-0.27	0.0	15.0
1.97	5.0E-04	0.00	448.0	1.00	9	67.3	0.0	67.3	2.4	48	73.2	1.0	-0.33	0.0	22.4
2.13	5.0E-04	0.00	386.8	1.41	9	64.1	0.0	64.1	4.8	48	70.4	1.0	-0.36	0.0	21.4
2.30	5.0E-05	0.00	305.5	1.91	9	55.4	4.9	60.3	8.0	46	64.9	10.0	-0.38	1.2	23.4
2.46	5.0E-06	0.00	239.5	2.67	12	47.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-05	0.00	182.8	1.80	9	38.6	6.7	45.3	10.6	44	52.4	10.0	-0.31	1.6	17.0
2.79	5.0E-05	0.00	138.7	1.84	9	31.5	8.2	39.7	12.7	44	45.6	10.0	-0.29	1.9	14.5
2.95	5.0E-06	0.00	110.8	1.73	7	26.8	8.5	35.4	14.0	UnDef	UnDef	10.0	UnDef	2.4	15.8
3.12	5.0E-05	-0.01	101.9	1.48	9	26.2	7.6	33.8	13.4	42	38.5	10.0	-0.23	1.7	12.2
3.28	5.0E-05	0.00	136.0	1.15	9	37.0	4.7	41.7	9.3	44	47.6	10.0	-0.23	1.1	15.9
3.44	5.0E-05	0.00	142.4	1.42	9	40.9	6.9	47.8	10.4	44	49.7	10.0	-0.26	1.6	18.0
3.61	5.0E-05	0.00	130.1	1.82	9	39.4	10.9	50.3	13.1	44	47.9	10.0	-0.28	2.5	18.2
3.77	5.0E-05	0.00	118.6	1.95	7	37.8	12.9	50.7	14.5	42	46.0	10.0	-0.28	2.9	18.0
3.94	5.0E-05	-0.01	104.8	1.71	7	35.1	11.8	46.9	14.4	42	43.2	10.0	-0.25	2.6	16.7
4.10	5.0E-05	0.00	84.7	1.70	7	29.7	12.9	42.6	16.3	42	37.7	10.0	-0.23	2.8	14.7
4.27	5.0E-05	0.00	75.6	1.33	7	27.8	10.5	38.3	15.3	40	35.2	10.0	-0.19	2.3	13.4
4.43	5.0E-05	-0.01	77.9	1.17	9	29.8	9.5	39.3	14.0	40	36.6	10.0	-0.18	2.1	14.0
4.59	5.0E-05	-0.02	78.1	1.31	7	31.1	11.1	42.3	14.9	42	37.3	10.0	-0.19	2.5	14.9
4.76	5.0E-05	-0.02	82.0	1.60	7	34.0	14.3	48.3	16.1	42	39.2	10.0	-0.22	3.1	16.7
4.92	5.0E-05	-0.02	86.7	1.77	7	37.3	16.5	53.7	16.5	42	41.3	10.0	-0.24	3.5	18.4
5.09	5.0E-05	-0.01	90.6	1.73	7	40.3	16.5	56.8	15.9	42	43.1	10.0	-0.24	3.6	19.7
5.25	5.0E-05	-0.01	75.8	1.89	7	35.0	19.6	54.6	18.5	40	38.5	10.0	-0.23	4.1	18.1
5.41	5.0E-06	-0.01	61.2	2.00	7	29.2	22.8	52.0	21.4	UnDef	UnDef	10.0	UnDef	5.5	20.1
5.58	5.0E-06	-0.01	45.5	2.44	7	22.5	33.2	55.7	27.3	UnDef	UnDef	6.0	UnDef	6.7	17.9
5.74	5.0E-06	-0.02	42.7	2.08	7	21.7	28.7	50.4	26.3	UnDef	UnDef	6.0	UnDef	5.9	16.6
5.91	5.0E-06	-0.02	38.5	2.15	7	20.0	32.2	52.2	28.1	UnDef	UnDef	6.0	UnDef	6.1	15.9
6.07	5.0E-06	-0.01	40.8	1.89	7	21.4	26.9	48.3	25.9	UnDef	UnDef	6.0	UnDef	5.6	16.1
6.23	5.0E-06	0.00	42.1	1.95	7	22.3	27.9	50.3	25.8	UnDef	UnDef	6.0	UnDef	5.8	16.7
6.40	5.0E-06	0.00	42.8	1.87	7	23.0	26.7	49.7	25.1	UnDef	UnDef	6.0	UnDef	5.7	16.9
56	5.0E-06	0.00	47.4	2.23	7	25.7	31.8	57.5	25.7	UnDef	UnDef	6.0	UnDef	6.6	19.2
73	5.0E-05	0.01	53.5	1.92	7	29.3	25.9	55.2	22.6	40	32.1	10.0	-0.19	4.8	16.2
6.89	5.0E-05	0.01	52.7	1.84	7	29.2	25.1	54.4	22.3	38	32.0	10.0	-0.18	4.7	16.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4276
CPT File: 315CP12.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	48.5	1.82	7	27.3	25.8	53.2	23.2	38	30.1	6.0	-0.17	4.7	15.4
7.22	5.0E-06	0.01	43.8	1.83	7	25.0	27.3	52.3	24.5	UnDef	UnDef	6.0	UnDef	5.9	18.2
7.38	5.0E-05	0.02	41.1	1.61	7	23.8	24.7	48.5	24.1	38	30.0	6.0	-0.14	4.4	13.7
7.55	5.0E-05	0.03	44.3	1.46	7	25.9	21.8	47.7	22.1	38	30.0	6.0	-0.14	4.1	14.2
7.71	5.0E-06	0.02	40.9	1.76	7	24.2	27.9	52.1	25.0	UnDef	UnDef	6.0	UnDef	6.0	17.8
7.87	5.0E-06	0.02	38.7	2.11	7	23.1	36.4	59.5	27.9	UnDef	UnDef	6.0	UnDef	7.0	18.3
8.04	5.0E-06	0.00	39.0	2.13	7	23.6	36.8	60.4	27.8	UnDef	UnDef	6.0	UnDef	7.1	18.6
8.20	5.0E-06	0.01	44.2	2.27	7	26.9	37.7	64.6	26.9	UnDef	UnDef	6.0	UnDef	7.6	20.7
8.37	5.0E-06	0.01	41.8	2.35	7	25.7	41.2	66.9	28.1	UnDef	UnDef	6.0	UnDef	7.9	20.5
8.53	5.0E-06	0.00	37.8	2.42	7	23.5	46.2	69.7	29.8	UnDef	UnDef	6.0	UnDef	8.1	19.7
8.69	5.0E-06	0.00	32.5	2.29	6	20.5	48.8	69.3	31.4	UnDef	UnDef	6.0	UnDef	7.9	17.9
8.86	5.0E-06	0.00	30.5	1.98	7	19.4	42.2	61.7	30.6	UnDef	UnDef	6.0	UnDef	7.1	16.6
9.02	5.0E-06	0.00	27.7	1.87	7	17.9	43.1	61.0	31.5	UnDef	UnDef	6.0	UnDef	6.9	15.7
9.19	5.0E-05	0.00	29.5	1.40	7	19.2	28.2	47.4	27.3	36	30.0	6.0	-0.10	4.5	12.0
9.35	5.0E-06	0.00	33.7	1.91	7	22.0	38.0	60.0	28.7	UnDef	UnDef	6.0	UnDef	7.1	17.8
9.51	5.0E-05	0.00	45.5	1.80	7	29.8	30.4	60.1	23.9	38	32.5	6.0	-0.17	5.4	17.0
9.68	5.0E-05	0.01	46.9	2.11	7	30.9	36.4	67.3	25.2	38	33.6	6.0	-0.19	6.2	18.3
9.84	5.0E-05	0.01	42.6	2.28	7	28.4	42.4	70.8	27.4	38	31.2	6.0	-0.19	6.7	17.8
10.01	5.0E-05	0.02	42.7	2.03	7	28.7	36.8	65.6	26.0	38	31.5	6.0	-0.17	6.1	17.3
10.17	5.0E-05	0.02	43.6	1.90	7	29.6	34.0	63.6	25.0	38	32.4	6.0	-0.17	5.8	17.4
10.33	5.0E-05	0.02	38.7	2.10	7	26.6	41.4	68.0	27.8	38	30.0	6.0	-0.16	6.4	16.8
10.50	5.0E-05	0.03	44.2	1.95	7	30.5	35.6	66.1	25.2	38	33.2	6.0	-0.17	6.1	18.0
10.66	5.0E-05	0.02	48.1	1.42	7	33.5	24.5	58.0	20.8	38	35.9	6.0	-0.15	4.7	17.8
10.83	5.0E-04	0.00	62.5	0.88	9	43.6	13.8	57.5	14.0	40	43.5	1.0	-0.13	2.5	16.8
10.99	5.0E-04	0.00	62.7	0.89	9	44.1	14.2	58.3	14.1	40	43.8	1.0	-0.13	2.6	17.0
11.15	5.0E-04	0.00	66.6	0.92	9	47.2	14.3	61.4	13.7	40	45.7	1.0	-0.14	2.6	18.0
11.32	5.0E-04	0.00	65.9	1.32	7	47.1	21.3	68.3	16.7	40	45.7	1.0	-0.17	3.7	19.1
11.48	5.0E-04	0.00	66.6	1.38	7	47.9	22.3	70.2	16.9	40	46.2	1.0	-0.18	3.9	19.5
11.65	5.0E-05	0.00	60.2	1.50	7	43.7	25.4	69.0	18.8	40	43.5	10.0	-0.18	5.1	22.2
81	5.0E-05	0.00	48.9	1.78	7	35.9	32.8	68.7	22.9	38	37.9	6.0	-0.17	6.0	20.0
.97	5.0E-05	0.00	42.3	2.07	7	31.4	41.9	73.3	26.4	38	34.1	6.0	-0.18	6.8	19.1
12.14	5.0E-05	0.00	37.6	2.30	7	28.2	52.0	80.2	29.3	38	31.0	6.0	-0.17	7.5	18.6
12.30	5.0E-05	0.01	42.6	1.96	7	32.1	39.5	71.6	25.7	38	34.7	6.0	-0.17	6.6	19.2
12.47	5.0E-05	0.00	52.7	1.46	7	39.8	26.6	66.4	20.0	38	40.8	10.0	-0.16	5.2	20.8
12.63	5.0E-04	0.00	65.9	0.86	9	49.9	14.4	64.3	13.4	40	47.4	1.0	-0.14	2.6	18.9
12.80	5.0E-04	0.00	74.8	0.55	9	56.9	7.7	64.7	9.5	40	51.1	1.0	-0.11	1.5	20.1
12.96	5.0E-04	0.00	69.7	0.46	9	53.5	0.0	53.5	5.0	40	49.3	1.0	-0.09	0.0	17.4
13.12	5.0E-03	0.00	73.6	0.49	9	56.8	0.0	56.8	5.0	40	51.1	1.0	-0.10	0.0	13.9
13.29	5.0E-04	0.00	72.0	0.68	9	56.0	10.7	66.7	11.0	40	50.6	1.0	-0.12	2.0	20.3
13.45	5.0E-04	0.00	72.6	0.93	9	56.8	15.4	72.2	13.0	40	51.0	1.0	-0.15	2.9	21.4
13.62	5.0E-04	0.00	63.2	1.33	7	49.9	24.0	73.9	17.2	40	47.3	1.0	-0.17	4.1	20.4
13.78	5.0E-05	0.00	54.7	1.87	7	43.5	36.2	79.7	22.0	40	43.4	10.0	-0.19	6.8	23.8
13.94	5.0E-05	0.00	44.9	2.28	7	36.1	49.8	85.9	26.7	38	38.1	6.0	-0.19	8.0	22.2
14.11	5.0E-05	0.00	44.6	2.51	7	36.1	56.9	93.0	27.9	38	38.1	6.0	-0.21	8.8	22.9
14.27	5.0E-05	0.00	44.7	2.34	7	36.4	52.2	88.5	27.1	38	38.3	6.0	-0.20	8.3	22.5
14.44	5.0E-05	0.01	41.3	2.43	7	33.9	57.8	91.6	28.6	38	36.2	6.0	-0.19	8.6	21.9
14.60	5.0E-05	0.01	47.3	1.87	7	38.9	39.4	78.3	23.8	38	40.2	6.0	-0.17	7.0	22.2
14.76	5.0E-04	0.00	61.9	1.37	7	51.0	25.9	76.9	17.6	40	48.0	1.0	-0.17	4.4	21.1
14.93	5.0E-04	0.00	67.7	1.39	7	56.0	25.7	81.7	16.8	40	50.7	1.0	-0.18	4.5	22.8
15.09	5.0E-04	0.00	73.4	1.40	7	61.0	25.5	86.5	16.0	40	53.1	1.0	-0.19	4.5	24.4
15.26	5.0E-04	0.00	64.1	1.67	7	53.7	32.3	86.0	19.1	40	49.4	1.0	-0.20	5.4	22.9
15.42	5.0E-05	0.00	43.1	2.17	7	36.6	50.3	86.8	26.7	38	38.4	6.0	-0.18	8.1	22.4
15.58	5.0E-04	0.00	56.8	1.21	7	48.2	24.2	72.5	17.5	40	46.4	1.0	-0.15	4.2	19.9
15.75	5.0E-04	0.00	66.7	1.02	9	56.8	19.2	76.0	14.5	40	51.1	1.0	-0.15	3.5	22.0
15.91	5.0E-04	0.00	65.0	1.29	7	55.7	24.8	80.5	16.6	40	50.5	1.0	-0.17	4.3	22.5
16.08	5.0E-04	0.00	66.8	1.48	7	57.5	28.7	86.2	17.5	40	51.4	1.0	-0.19	4.9	23.7
16.24	5.0E-04	0.00	68.6	1.25	7	59.3	24.0	83.3	15.8	40	52.3	1.0	-0.17	4.2	23.6
16.40	5.0E-03	0.00	89.7	0.76	9	77.8	11.3	89.1	9.8	42	60.1	1.0	-0.15	1.6	20.7
16.57	5.0E-03	0.00	96.1	0.54	9	83.7	5.7	89.4	7.4	42	62.2	1.0	-0.13	0.9	21.3
16.73	5.0E-03	0.00	101.1	0.48	9	88.5	0.0	88.5	5.0	42	63.8	1.0	-0.12	0.0	21.7
90	5.0E-03	0.00	95.5	0.53	9	84.1	5.7	89.8	7.4	42	62.3	1.0	-0.13	0.8	21.4
06	5.0E-03	0.00	89.8	0.52	9	79.6	6.2	85.8	7.7	42	60.7	1.0	-0.12	0.9	20.4
.22	5.0E-03	0.00	76.4	0.71	9	68.2	12.4	80.6	10.8	40	56.3	1.0	-0.13	1.8	18.5
17.39	5.0E-04	0.00	64.9	1.15	7	58.4	23.2	81.6	15.7	40	51.8	1.0	-0.16	4.1	23.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4276
CPT File: 315CP12.COR

ıth t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	46.3	1.89	7	42.0	44.2	86.2	24.2	38	42.4	6.0	-0.17	7.8	24.2
17.72	5.0E-05	0.00	39.2	2.33	7	35.9	63.1	99.0	28.9	38	37.9	6.0	-0.18	9.3	23.4
17.88	5.0E-05	0.00	36.4	2.19	7	33.6	61.0	94.6	29.1	38	36.0	6.0	-0.16	8.9	22.1
18.04	5.0E-05	0.01	31.4	2.11	7	29.2	65.7	94.9	30.9	36	32.0	6.0	-0.14	8.7	20.2
18.21	5.0E-05	0.01	32.7	1.93	7	30.6	56.2	86.7	29.3	36	33.3	6.0	-0.14	8.1	20.1
18.37	5.0E-05	0.01	35.9	1.55	7	33.7	40.6	74.3	25.5	38	36.1	6.0	-0.13	6.8	20.0
18.54	5.0E-05	0.01	38.8	1.60	7	36.4	40.7	77.1	24.8	38	38.3	6.0	-0.14	7.0	21.3
18.70	5.0E-05	0.00	40.8	1.67	7	38.4	42.0	80.4	24.6	38	39.9	6.0	-0.15	7.3	22.3
18.86	5.0E-04	0.00	41.1	1.64	7	38.9	41.2	80.1	24.3	38	40.2	1.0	-0.15	6.0	18.7
19.03	5.0E-04	0.00	42.1	0.90	7	40.0	22.8	62.8	18.6	38	41.0	1.0	-0.10	3.8	16.9
19.19	5.0E-03	0.00	49.8	0.51	9	47.3	12.8	60.2	13.0	38	45.8	1.0	-0.07	1.8	13.4
19.36	5.0E-03	0.00	48.9	0.47	9	46.7	0.0	46.7	5.0	38	45.4	1.0	-0.06	0.0	11.4
19.52	5.0E-04	0.00	40.2	0.92	7	38.8	23.9	62.7	19.3	38	40.1	1.0	-0.09	4.0	16.6
19.68	5.0E-05	0.00	31.3	1.68	7	30.5	50.7	81.2	28.4	36	33.3	6.0	-0.12	7.7	19.6
19.85	5.0E-05	0.00	24.3	2.38	6	24.0	95.8	119.8	36.6	34	30.0	6.0	-0.13	9.4	18.8
20.01	5.0E-05	0.01	23.3	2.40	6	23.2	92.7	115.9	37.5	34	30.0	6.0	-0.12	9.1	18.1
20.18	5.0E-05	0.02	25.2	2.12	6	25.1	93.0	118.1	34.5	34	30.0	6.0	-0.12	9.5	19.4
20.34	5.0E-05	0.03	24.4	2.09	6	24.4	96.6	121.0	34.9	34	30.0	6.0	-0.11	9.5	19.1
20.51	5.0E-05	0.04	23.1	1.97	6	23.2	92.9	116.1	35.1	34	30.0	6.0	-0.10	9.1	18.2
20.67	5.0E-05	0.04	22.0	1.82	6	22.3	88.8	111.1	34.9	34	30.0	6.0	-0.09	8.7	17.4
20.83	5.0E-05	0.05	21.4	1.66	6	21.8	78.6	100.4	34.3	34	30.0	6.0	-0.08	8.2	16.7
21.00	5.0E-05	0.05	23.4	1.59	7	23.9	64.3	88.2	32.3	34	30.0	6.0	-0.08	7.8	17.2
21.16	5.0E-05	0.05	24.6	1.82	6	25.1	75.2	100.4	33.1	34	30.0	6.0	-0.10	8.7	18.5
21.33	5.0E-05	0.05	22.8	1.82	6	23.5	84.6	108.1	34.3	34	30.0	6.0	-0.09	8.8	18.0
21.49	5.0E-05	0.06	18.7	1.99	6	19.5	78.0	97.5	39.0	32	30.0	6.0	-0.08	7.6	15.3
21.65	5.0E-05	0.06	20.8	1.64	6	21.6	82.8	104.5	34.7	34	30.0	6.0	-0.07	8.3	16.8
21.82	5.0E-05	0.06	20.1	1.64	6	21.0	84.0	105.0	35.3	34	30.0	6.0	-0.07	8.2	16.4
21.98	5.0E-05	0.06	21.5	1.65	6	22.5	80.3	102.7	34.3	34	30.0	6.0	-0.07	8.4	17.2
[illegible].15	5.0E-05	0.06	23.3	1.43	7	24.4	57.2	81.6	31.3	34	30.0	6.0	-0.07	7.5	17.0
[illegible]31	5.0E-05	0.07	20.2	1.96	6	21.4	85.6	107.0	37.4	34	30.0	6.0	-0.08	8.4	16.8
[illegible].47	5.0E-05	0.07	20.4	2.12	6	21.6	86.5	108.1	38.2	34	30.0	6.0	-0.09	8.5	16.9
22.64	5.0E-05	0.03	25.4	1.80	7	26.8	73.0	99.8	32.4	34	30.0	6.0	-0.10	8.8	19.3
22.80	5.0E-05	0.04	21.8	2.16	6	23.2	93.0	116.2	37.3	34	30.0	6.0	-0.10	9.1	18.2
22.97	5.0E-05	0.04	22.8	1.89	6	24.4	94.7	119.1	34.8	34	30.0	6.0	-0.09	9.4	19.0
23.13	5.0E-05	0.04	23.4	1.71	6	25.1	76.2	101.3	33.2	34	30.0	6.0	-0.09	8.7	18.5
23.29	5.0E-04	0.04	26.8	1.25	7	28.6	43.7	72.4	27.6	36	31.4	1.0	-0.08	5.7	15.0
23.46	5.0E-04	0.01	38.7	1.02	7	41.1	29.4	70.5	20.6	38	41.8	1.0	-0.10	4.7	18.1
23.62	5.0E-04	0.00	43.4	1.31	7	46.1	35.9	82.0	21.4	38	45.1	1.0	-0.13	5.7	20.7
23.79	5.0E-04	0.00	38.9	1.91	7	41.6	56.9	98.5	26.6	38	42.1	1.0	-0.16	7.7	21.2
23.95	5.0E-05	0.00	32.4	2.47	6	34.9	95.3	130.2	32.4	36	37.1	6.0	-0.17	11.5	25.2
24.11	5.0E-05	0.00	32.5	2.55	6	35.1	100.9	136.0	32.8	36	37.3	6.0	-0.17	11.9	25.6
24.28	5.0E-05	0.00	35.0	2.30	7	38.0	79.0	117.0	30.3	38	39.5	6.0	-0.17	10.9	25.7
24.44	5.0E-05	0.00	31.2	2.39	6	34.1	95.2	129.2	32.6	36	36.4	6.0	-0.16	11.4	24.7
24.61	5.0E-05	0.00	31.2	2.02	7	34.2	73.0	107.2	30.5	36	36.5	6.0	-0.14	9.9	23.3
24.77	5.0E-04	0.00	42.1	1.17	7	45.8	33.2	79.1	20.7	38	44.9	1.0	-0.12	5.3	20.3
24.93	5.0E-04	0.00	49.8	1.07	7	54.2	28.6	82.8	17.9	38	49.7	1.0	-0.13	4.9	22.6
25.10	5.0E-03	0.00	63.6	0.80	9	69.2	19.5	88.7	13.2	40	56.7	1.0	-0.13	2.7	19.6
25.26	5.0E-02	0.00	100.4	0.59	9	109.0	7.8	116.8	7.5	42	69.7	1.0	-0.14	0.9	22.3
25.43	5.0E-02	0.00	151.7	0.01	10	164.7	0.0	164.7	2.7	44	81.6	1.0	0.15	0.0	32.2
25.59	5.0E+00	0.00	159.6	0.01	10	173.9	0.0	173.9	2.6	44	83.1	1.0	0.15	0.0	28.4

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
[illegible]n No: 99-0525-1349-4314
[illegible] No: 99-315
[illegible]ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-13
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 11:19
CPT File: 315CP13.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	9.8	0.05	0.51	-0.6	6	98.7	0.01	0.01	0.00	2.00	3.8	7.5	0.79	0.00
0.33	17.3	0.20	1.16	-0.8	6	98.7	0.02	0.02	0.00	2.00	6.6	13.3	1.38	0.08
0.49	45.5	0.48	1.06	-0.7	7	98.7	0.02	0.02	0.00	2.00	14.5	29.0	UnDef	0.14
0.66	77.2	0.85	1.10	-0.1	8	101.8	0.03	0.03	0.00	2.00	18.5	37.0	UnDef	0.38
0.82	93.8	1.39	1.49	-0.2	8	101.8	0.04	0.04	0.00	2.00	22.5	44.9	UnDef	0.00
0.98	95.8	1.79	1.87	0.0	7	98.7	0.05	0.05	0.00	2.00	30.6	61.1	UnDef	0.00
1.15	74.0	2.12	2.86	-1.2	6	98.7	0.06	0.06	0.00	2.00	28.3	56.7	5.91	0.00
31	55.8	1.42	2.55	-1.1	6	98.7	0.07	0.07	0.00	2.00	21.4	42.7	4.46	0.00
48	49.1	0.99	2.02	-2.1	6	98.7	0.07	0.07	0.00	2.00	18.8	37.6	3.92	0.00
1.64	47.0	0.93	1.98	-0.7	6	98.7	0.08	0.08	0.00	2.00	18.0	36.0	3.75	0.00
1.80	49.7	1.11	2.24	-1.8	6	98.7	0.09	0.09	0.00	2.00	19.0	38.1	3.97	0.00
1.97	62.8	0.98	1.56	-2.8	7	98.7	0.10	0.10	0.00	2.00	20.0	40.1	UnDef	0.24
2.13	65.6	0.68	1.04	-0.4	8	101.8	0.11	0.11	0.00	2.00	15.7	31.4	UnDef	0.26
2.30	53.2	0.50	0.94	-0.2	7	98.7	0.11	0.11	0.00	2.00	17.0	34.0	UnDef	0.18
2.46	37.8	0.35	0.93	-0.1	7	98.7	0.12	0.12	0.00	2.00	12.1	24.1	UnDef	0.12
2.62	28.0	0.29	1.04	-0.9	7	98.7	0.13	0.13	0.00	2.00	9.0	17.9	UnDef	0.10
2.79	21.2	0.36	1.70	-1.1	6	98.7	0.14	0.14	0.00	2.00	8.1	16.2	1.69	0.09
2.95	18.1	0.33	1.83	-1.2	6	98.7	0.15	0.15	0.00	2.00	6.9	13.8	1.43	0.09
3.12	20.1	0.34	1.69	-1.2	6	98.7	0.15	0.15	0.00	2.00	7.7	15.4	1.60	0.09
3.28	21.6	0.35	1.63	-1.1	6	98.7	0.16	0.16	0.00	2.00	8.3	16.5	1.71	0.09
3.44	24.7	0.46	1.87	-0.5	6	98.7	0.17	0.17	0.00	2.00	9.4	18.9	1.96	0.10
3.61	22.9	0.49	2.14	-1.3	6	98.7	0.18	0.18	0.00	2.00	8.8	17.6	1.82	0.10
3.77	20.7	0.46	2.23	-1.1	6	98.7	0.19	0.19	0.00	2.00	7.9	15.9	1.64	0.10
3.94	18.6	0.33	1.77	-1.7	6	98.7	0.20	0.20	0.00	2.00	7.1	14.3	1.48	0.09
4.10	16.5	0.32	1.95	-3.4	5	85.3	0.20	0.20	0.00	2.00	7.9	15.8	1.30	0.09
4.27	16.8	0.27	1.61	-5.0	6	98.7	0.21	0.21	0.00	2.00	6.4	12.9	1.33	0.09
4.43	12.5	0.23	1.84	-2.9	5	85.3	0.22	0.22	0.00	2.00	6.0	12.0	0.98	0.09
4.59	14.0	0.21	1.50	-0.9	6	98.7	0.23	0.23	0.00	2.00	5.4	10.8	1.11	0.09
4.76	16.0	0.26	1.63	-1.1	6	98.7	0.23	0.23	0.00	2.00	6.1	12.2	1.26	0.09
4.92	15.5	0.28	1.82	-0.8	5	85.3	0.24	0.24	0.00	2.00	7.4	14.8	1.22	0.09
5.09	14.5	0.26	1.80	-1.9	5	85.3	0.25	0.25	0.00	2.00	6.9	13.9	1.14	0.09
5.25	15.9	0.25	1.58	-1.2	6	98.7	0.26	0.26	0.00	1.98	6.1	12.1	1.25	0.09
5.41	17.7	0.30	1.70	-0.6	6	98.7	0.26	0.26	0.00	1.95	6.8	13.2	1.39	0.09
5.58	19.0	0.51	2.69	-1.3	5	85.3	0.27	0.27	0.00	1.92	9.1	17.5	1.50	0.11
5.74	18.4	0.49	2.67	0.0	5	85.3	0.28	0.28	0.00	1.90	8.8	16.7	1.45	0.11
5.91	18.3	0.46	2.52	-2.5	5	85.3	0.28	0.28	0.00	1.87	8.7	16.4	1.44	0.11
6.07	17.6	0.43	2.46	-2.6	5	85.3	0.29	0.29	0.00	1.85	8.4	15.6	1.38	0.11
6.23	18.5	0.43	2.34	-1.8	5	85.3	0.30	0.30	0.00	1.83	8.8	16.2	1.45	0.11
40	20.1	0.50	2.50	2.5	5	85.3	0.31	0.31	0.00	1.81	9.6	17.4	1.58	0.11
6	21.4	0.48	2.25	5.7	6	98.7	0.31	0.31	0.00	1.79	8.2	14.7	1.69	0.11
73	22.4	0.46	2.06	5.9	6	98.7	0.32	0.32	0.00	1.76	8.6	15.1	1.76	0.11
6.89	20.0	0.40	2.01	11.5	6	98.7	0.33	0.33	0.00	1.74	7.7	13.3	1.57	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4314
CPT File: 315CP13.COR

ıth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.9	0.37	1.87	12.9	6	98.7	0.34	0.34	0.00	1.72	7.6	13.1	1.56	0.10
7.22	20.1	0.34	1.69	13.3	6	98.7	0.35	0.35	0.00	1.70	7.7	13.1	1.58	0.10
7.38	23.2	0.41	1.77	14.5	6	98.7	0.35	0.35	0.00	1.68	8.9	14.9	1.83	0.10
7.55	25.5	0.46	1.81	7.3	6	98.7	0.36	0.36	0.00	1.66	9.8	16.3	2.01	0.11
7.71	23.3	0.45	1.94	4.5	6	98.7	0.37	0.37	0.00	1.64	8.9	14.7	1.83	0.11
7.87	25.0	0.48	1.92	6.3	6	98.7	0.38	0.38	0.00	1.63	9.6	15.6	1.97	0.11
8.04	25.7	0.50	1.95	6.4	6	98.7	0.39	0.39	0.00	1.61	9.8	15.8	2.03	0.11
8.20	25.4	0.49	1.94	4.1	6	98.7	0.39	0.39	0.00	1.59	9.7	15.5	2.00	0.11
8.37	28.2	0.54	1.92	7.8	6	98.7	0.40	0.40	0.00	1.58	10.8	17.0	2.22	0.11
8.53	29.9	0.50	1.68	4.7	6	98.7	0.41	0.41	0.00	1.56	11.4	17.8	2.36	0.11
8.69	26.9	0.52	1.94	4.8	6	98.7	0.42	0.42	0.00	1.55	10.3	15.9	2.12	0.11
8.86	29.2	0.81	2.78	9.4	5	85.3	0.43	0.43	0.00	1.53	14.0	21.4	2.30	0.15
9.02	26.0	0.61	2.35	9.4	6	98.7	0.43	0.43	0.00	1.52	10.0	15.2	2.05	0.12
9.19	28.2	0.54	1.92	6.9	6	98.7	0.44	0.44	0.00	1.50	10.8	16.3	2.22	0.11
9.35	25.9	0.50	1.93	2.6	6	98.7	0.45	0.45	0.00	1.49	9.9	14.8	2.04	0.11
9.51	24.5	0.50	2.05	2.7	6	98.7	0.46	0.46	0.00	1.48	9.4	13.9	1.92	0.11
9.68	22.1	0.43	1.95	3.4	6	98.7	0.47	0.47	0.00	1.46	8.5	12.4	1.73	0.11
9.84	23.9	0.43	1.80	6.2	6	98.7	0.47	0.47	0.00	1.45	9.2	13.3	1.88	0.11
10.01	23.1	0.46	1.99	2.0	6	98.7	0.48	0.48	0.00	1.44	8.9	12.8	1.81	0.11
10.17	23.2	0.45	1.94	3.4	6	98.7	0.49	0.49	0.00	1.43	8.9	12.7	1.82	0.11
10.33	23.0	0.47	2.05	6.4	6	98.7	0.50	0.50	0.00	1.42	8.8	12.5	1.80	0.11
10.50	22.3	0.48	2.16	11.6	6	98.7	0.51	0.51	0.00	1.41	8.5	12.0	1.74	0.12
10.66	23.4	0.49	2.10	14.5	6	98.7	0.51	0.51	0.00	1.39	9.0	12.5	1.83	0.12
10.83	25.1	0.49	1.96	15.7	6	98.7	0.52	0.52	0.00	1.38	9.6	13.3	1.96	0.11
10.99	27.2	0.43	1.59	3.7	6	98.7	0.53	0.53	0.00	1.37	10.4	14.3	2.13	0.11
11.15	30.5	0.37	1.22	1.0	7	98.7	0.54	0.54	0.00	1.36	9.7	13.3	UnDef	0.10
11.32	45.8	0.30	0.66	-0.9	7	98.7	0.55	0.55	0.00	1.35	14.6	19.8	UnDef	0.11
11.48	53.1	0.31	0.58	-1.2	8	101.8	0.56	0.56	0.00	1.34	12.7	17.1	UnDef	0.12
11.65	55.2	0.36	0.65	-1.1	8	101.8	0.56	0.56	0.00	1.33	13.2	17.6	UnDef	0.13
81	52.8	0.40	0.76	-1.2	7	98.7	0.57	0.57	0.00	1.32	16.8	22.3	UnDef	0.12
11.97	50.8	0.37	0.73	-1.3	7	98.7	0.58	0.58	0.00	1.31	16.2	21.3	UnDef	0.12
12.14	45.0	0.40	0.89	-1.4	7	98.7	0.59	0.59	0.00	1.30	14.4	18.7	UnDef	0.11
12.30	49.6	0.43	0.87	-1.2	7	98.7	0.60	0.60	0.00	1.30	15.8	20.5	UnDef	0.12
12.47	71.7	0.42	0.59	-1.5	8	101.8	0.60	0.60	0.00	1.29	17.2	22.1	UnDef	0.16
12.63	51.7	0.50	0.97	-1.8	7	98.7	0.61	0.61	0.00	1.28	16.5	21.1	UnDef	0.13
12.80	43.6	0.62	1.42	-1.4	7	98.7	0.62	0.62	0.00	1.27	13.9	17.7	UnDef	0.13
12.96	35.5	0.70	1.98	-1.2	6	98.7	0.63	0.63	0.00	1.26	13.6	17.1	2.79	0.13
13.12	33.0	0.57	1.73	-0.9	6	98.7	0.64	0.64	0.00	1.25	12.7	15.9	2.59	0.12
13.29	53.1	0.44	0.83	0.3	7	98.7	0.65	0.65	0.00	1.25	16.9	21.1	UnDef	0.12
13.45	66.4	0.47	0.71	-0.7	8	101.8	0.65	0.65	0.00	1.24	15.9	19.7	UnDef	0.14
13.62	93.6	0.80	0.86	-0.9	8	101.8	0.66	0.66	0.00	1.23	22.4	27.5	UnDef	0.24
13.78	117.5	1.09	0.93	-1.0	8	101.8	0.67	0.67	0.00	1.22	28.1	34.4	UnDef	0.37
13.94	119.0	1.23	1.04	-0.8	8	101.8	0.68	0.68	0.00	1.21	28.5	34.6	UnDef	0.39
14.11	110.4	1.21	1.10	-1.2	8	101.8	0.69	0.69	0.00	1.21	26.4	31.9	UnDef	0.34
14.27	91.2	0.97	1.07	-1.4	8	101.8	0.69	0.69	0.00	1.20	21.8	26.2	UnDef	0.24
14.44	72.2	0.73	1.01	-1.6	8	101.8	0.70	0.70	0.00	1.19	17.3	20.6	UnDef	0.17
14.60	61.4	0.58	0.95	-1.6	8	101.8	0.71	0.71	0.00	1.19	14.7	17.4	UnDef	0.14
14.76	54.9	0.61	1.11	-1.8	7	98.7	0.72	0.72	0.00	1.18	17.5	20.7	UnDef	0.13
14.93	49.8	0.91	1.83	-1.7	7	98.7	0.73	0.73	0.00	1.17	15.9	18.6	UnDef	0.16
15.09	44.7	0.98	2.20	-0.4	6	98.7	0.74	0.74	0.00	1.17	17.1	20.0	3.52	0.17
15.26	49.5	1.12	2.27	1.7	6	98.7	0.74	0.74	0.00	1.16	19.0	22.0	3.90	0.18
15.42	42.6	0.96	2.26	1.2	6	98.7	0.75	0.75	0.00	1.15	16.3	18.8	3.35	0.17
15.58	46.3	0.76	1.65	4.0	7	98.7	0.76	0.76	0.00	1.15	14.8	16.9	UnDef	0.14
15.75	58.8	0.77	1.31	-1.2	7	98.7	0.77	0.77	0.00	1.14	18.8	21.4	UnDef	0.15
15.91	62.7	0.76	1.21	0.0	7	98.7	0.78	0.78	0.00	1.13	20.0	22.7	UnDef	0.15
16.08	59.9	0.77	1.29	-1.2	7	98.7	0.78	0.78	0.00	1.13	19.1	21.6	UnDef	0.15
16.24	53.1	0.60	1.13	-1.4	7	98.7	0.79	0.79	0.00	1.12	16.9	19.0	UnDef	0.13
16.40	49.6	0.68	1.38	-1.1	7	98.7	0.80	0.80	0.00	1.12	15.8	17.7	UnDef	0.13
16.57	43.1	0.81	1.89	-0.6	6	98.7	0.81	0.81	0.00	1.11	16.5	18.3	3.38	0.15
16.73	36.9	0.94	2.55	0.3	6	98.7	0.82	0.82	0.00	1.11	14.1	15.6	2.89	0.20
90	37.0	0.89	2.41	-0.2	6	98.7	0.83	0.83	0.00	1.10	14.2	15.6	2.89	0.18
06	36.6	0.83	2.27	0.4	6	98.7	0.83	0.83	0.00	1.10	14.0	15.4	2.86	0.17
17.22	37.8	0.79	2.09	1.9	6	98.7	0.84	0.84	0.00	1.09	14.5	15.8	2.96	0.16
17.39	42.9	0.66	1.54	1.5	7	98.7	0.85	0.85	0.00	1.09	13.7	14.9	UnDef	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4314
CPT File: 315CP13.COR

›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	47.3	0.57	1.21	-0.4	7	98.7	0.86	0.86	0.00	1.08	15.1	16.3	UnDef	0.12
17.72	49.9	0.50	1.00	-1.1	7	98.7	0.87	0.87	0.00	1.07	15.9	17.1	UnDef	0.12
17.88	50.9	0.61	1.20	-1.2	7	98.7	0.87	0.87	0.00	1.07	16.3	17.4	UnDef	0.13
18.04	52.4	0.62	1.19	-0.7	7	98.7	0.88	0.88	0.00	1.07	16.7	17.8	UnDef	0.13
18.21	53.1	0.63	1.19	-0.9	7	98.7	0.89	0.89	0.00	1.06	16.9	18.0	UnDef	0.13
18.37	55.1	0.56	1.02	-1.2	7	98.7	0.90	0.90	0.00	1.06	17.6	18.6	UnDef	0.13
18.54	55.0	0.54	0.98	-1.1	7	98.7	0.91	0.91	0.00	1.05	17.6	18.4	UnDef	0.12
18.70	52.5	0.62	1.18	-1.3	7	98.7	0.91	0.91	0.00	1.05	16.8	17.5	UnDef	0.13
18.86	51.0	0.53	1.04	-1.3	7	98.7	0.92	0.92	0.00	1.04	16.3	16.9	UnDef	0.12
19.03	52.9	0.53	1.00	-1.5	7	98.7	0.93	0.93	0.00	1.04	16.9	17.5	UnDef	0.12
19.19	53.5	0.60	1.13	-1.5	7	98.7	0.94	0.94	0.00	1.03	17.1	17.6	UnDef	0.13
19.36	51.4	0.64	1.25	-1.3	7	98.7	0.95	0.95	0.00	1.03	16.4	16.9	UnDef	0.13
19.52	46.8	0.58	1.24	-1.1	7	98.7	0.95	0.95	0.00	1.02	14.9	15.3	UnDef	0.12
19.68	42.2	0.48	1.14	-1.1	7	98.7	0.96	0.96	0.00	1.02	13.5	13.7	UnDef	0.11
19.85	39.2	0.50	1.28	-0.9	7	98.7	0.97	0.97	0.00	1.02	12.5	12.7	UnDef	0.12
20.01	35.6	0.53	1.49	-0.7	7	98.7	0.98	0.98	0.00	1.01	11.4	11.5	UnDef	0.12
20.18	33.9	0.65	1.92	-0.5	6	98.7	0.99	0.99	0.00	1.01	13.0	13.1	2.63	0.16
20.34	34.3	0.66	1.93	-0.3	6	98.7	1.00	1.00	0.00	1.00	13.1	13.2	2.66	0.16
20.51	34.5	0.69	2.00	2.6	6	98.7	1.00	1.00	0.00	1.00	13.2	13.2	2.68	0.17
20.67	33.1	0.70	2.12	7.9	6	98.7	1.01	1.01	0.00	0.99	12.7	12.6	2.56	0.20
20.83	31.4	0.63	2.01	12.2	6	98.7	1.02	1.02	0.00	0.99	12.0	11.9	2.43	0.19
21.00	28.9	0.58	2.01	16.9	6	98.7	1.03	1.03	0.00	0.99	11.1	10.9	2.23	0.21
21.16	30.4	0.55	1.82	17.2	6	98.7	1.04	1.04	0.00	0.98	11.6	11.4	2.35	0.16
21.33	30.2	0.56	1.86	19.6	6	98.7	1.04	1.04	0.00	0.98	11.6	11.3	2.34	0.17
21.49	37.4	0.67	1.80	21.7	6	98.7	1.05	1.05	0.00	0.98	14.3	14.0	2.91	0.15
21.65	36.3	0.62	1.71	9.1	6	98.7	1.06	1.06	0.00	0.97	13.9	13.5	2.82	0.15
21.82	41.4	0.69	1.67	12.4	7	98.7	1.07	1.07	0.00	0.97	13.2	12.8	UnDef	0.14
21.98	40.6	0.94	2.32	3.5	6	98.7	1.08	1.08	0.00	0.96	15.5	15.0	3.16	0.22
[illegible].15	31.9	0.70	2.20	4.7	6	98.7	1.08	1.08	0.00	0.96	12.2	11.7	2.47	0.26
[illegible]31	38.3	0.72	1.89	13.0	6	98.7	1.09	1.09	0.00	0.96	14.7	14.0	2.97	0.17
[illegible].47	37.6	0.70	1.87	7.1	6	98.7	1.10	1.10	0.00	0.95	14.4	13.7	2.92	0.17
22.64	38.3	0.79	2.07	9.2	6	98.7	1.11	1.11	0.00	0.95	14.7	13.9	2.98	0.20
22.80	39.1	0.73	1.87	10.3	6	98.7	1.12	1.12	0.00	0.95	15.0	14.2	3.04	0.17
22.97	35.8	0.66	1.85	11.4	6	98.7	1.12	1.12	0.00	0.94	13.7	12.9	2.77	0.17
23.13	42.3	0.64	1.52	10.1	7	98.7	1.13	1.13	0.00	0.94	13.5	12.7	UnDef	0.14
23.29	42.7	0.72	1.69	3.9	7	98.7	1.14	1.14	0.00	0.94	13.6	12.8	UnDef	0.15
23.46	39.9	0.80	2.01	3.3	6	98.7	1.15	1.15	0.00	0.93	15.3	14.3	3.10	0.19
23.62	45.4	0.87	1.92	4.4	6	98.7	1.16	1.16	0.00	0.93	17.4	16.2	3.54	0.18
23.79	44.3	0.84	1.90	4.0	6	98.7	1.17	1.17	0.00	0.93	17.0	15.7	3.45	0.18
23.95	45.6	0.77	1.69	3.3	7	98.7	1.17	1.17	0.00	0.92	14.5	13.4	UnDef	0.16
24.11	49.4	0.73	1.48	2.0	7	98.7	1.18	1.18	0.00	0.92	15.8	14.5	UnDef	0.14
24.28	51.6	0.66	1.28	2.1	7	98.7	1.19	1.19	0.00	0.92	16.5	15.1	UnDef	0.13
24.44	51.9	0.70	1.35	1.0	7	98.7	1.20	1.20	0.00	0.91	16.6	15.1	UnDef	0.14
24.61	56.2	0.64	1.14	1.1	7	98.7	1.21	1.21	0.00	0.91	17.9	16.3	UnDef	0.13
24.77	57.6	0.69	1.20	0.6	7	98.7	1.21	1.21	0.00	0.91	18.4	16.7	UnDef	0.14
24.93	58.1	0.93	1.61	0.0	7	98.7	1.22	1.22	0.00	0.90	18.5	16.8	UnDef	0.17
25.10	54.7	1.11	2.03	0.3	7	98.7	1.23	1.23	0.00	0.90	17.5	15.7	UnDef	0.21
25.26	53.7	1.25	2.33	0.6	6	98.7	1.24	1.24	0.00	0.90	20.6	18.5	4.20	0.25
25.43	62.0	0.89	1.44	-0.2	7	98.7	1.25	1.25	0.00	0.90	19.8	17.7	UnDef	0.16
25.59	62.1	0.63	1.02	-0.3	7	98.7	1.25	1.25	0.00	0.89	19.8	17.7	UnDef	0.13
25.75	66.6	0.49	0.74	-0.3	8	101.8	1.26	1.26	0.00	0.89	15.9	14.2	UnDef	0.13
25.92	69.8	0.62	0.89	-0.4	8	101.8	1.27	1.27	0.00	0.89	16.7	14.8	UnDef	0.14
26.08	68.2	0.63	0.93	-0.4	8	101.8	1.28	1.28	0.00	0.88	16.3	14.4	UnDef	0.14
26.25	66.0	0.65	0.99	-0.4	8	101.8	1.29	1.29	0.00	0.88	15.8	13.9	UnDef	0.14
26.41	67.0	0.73	1.09	-0.3	8	101.8	1.30	1.30	0.00	0.88	16.0	14.1	UnDef	0.14
26.57	65.1	0.80	1.23	-0.3	7	98.7	1.30	1.30	0.00	0.88	20.8	18.2	UnDef	0.15
26.74	72.1	0.97	1.35	-0.5	7	98.7	1.31	1.31	0.00	0.87	23.0	20.1	UnDef	0.17
26.90	86.4	0.99	1.15	-0.4	8	101.8	1.32	1.32	0.00	0.87	20.7	18.0	UnDef	0.18
27.07	99.8	1.13	1.14	-0.3	8	101.8	1.33	1.33	0.00	0.87	23.9	20.7	UnDef	0.21
27.23	112.1	1.08	0.97	-0.3	8	101.8	1.34	1.34	0.00	0.86	26.8	23.2	UnDef	0.23
[illegible]39	125.5	1.21	0.97	-0.4	8	101.8	1.35	1.35	0.00	0.86	30.0	25.9	UnDef	0.27
[illegible]56	138.6	1.27	0.92	-0.3	9	101.8	1.35	1.35	0.00	0.86	26.5	22.8	UnDef	0.31
[illegible].72	151.6	0.02	0.01	-0.3	9	101.8	1.36	1.36	0.00	0.86	29.0	24.9	UnDef	0.27
27.89	157.4	0.02	0.01	-0.4	9	101.8	1.37	1.37	0.00	0.85	30.1	25.8	UnDef	0.29

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4314
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-13
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 11:19
CPT File: 315CP13.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-05	0.00	1000.0	0.51	10	18.8	0.0	18.8	0.0	50	69.2	10.0	-0.33	0.0	7.5
0.33	5.0E-05	0.00	1000.0	1.16	9	33.2	0.0	33.2	1.1	50	75.5	10.0	-0.42	0.0	13.3
0.49	5.0E-04	0.00	1000.0	1.06	9	87.1	0.0	87.1	0.7	50	95.0	1.0	-0.41	0.0	29.0
0.66	5.0E-03	0.00	1000.0	1.10	9	147.9	0.0	147.9	0.9	50	95.0	1.0	-0.42	0.0	37.0
0.82	5.0E-03	0.00	1000.0	1.49	12	179.6	UnDef	UnDef	0.0	50	95.0	1.0	-0.46	UnDef	UnDef
0.98	5.0E-04	0.00	1000.0	1.87	12	183.4	UnDef	UnDef	0.0	50	95.0	1.0	-0.50	UnDef	UnDef
1.15	5.0E-05	0.00	1000.0	2.86	12	141.7	UnDef	UnDef	0.0	50	95.0	10.0	-0.61	UnDef	UnDef
1.31	5.0E-05	0.00	853.4	2.56	12	106.8	UnDef	UnDef	0.0	50	89.0	10.0	-0.56	UnDef	UnDef
48	5.0E-05	0.00	668.6	2.02	12	94.1	UnDef	UnDef	0.0	50	83.7	10.0	-0.47	UnDef	UnDef
.64	5.0E-05	0.00	576.2	1.99	12	90.0	UnDef	UnDef	0.0	50	81.0	10.0	-0.45	UnDef	UnDef
1.80	5.0E-05	0.00	554.0	2.24	12	95.2	UnDef	UnDef	0.0	50	81.2	10.0	-0.47	UnDef	UnDef
1.97	5.0E-04	0.00	642.0	1.57	9	120.2	0.0	120.2	3.8	50	86.7	1.0	-0.42	0.0	40.1
2.13	5.0E-03	0.00	618.8	1.04	9	125.7	0.0	125.7	1.7	50	86.8	1.0	-0.36	0.0	31.4
2.30	5.0E-04	0.00	465.4	0.94	9	101.9	0.0	101.9	2.0	48	79.7	1.0	-0.33	0.0	34.0
2.46	5.0E-04	0.00	308.6	0.93	9	72.4	0.0	72.4	3.4	46	68.9	1.0	-0.29	0.0	24.1
2.62	5.0E-04	0.00	214.3	1.04	9	53.7	1.1	54.9	5.8	46	59.4	1.0	-0.26	0.2	18.1
2.79	5.0E-05	0.00	152.3	1.71	9	40.6	8.4	49.0	11.4	44	50.5	10.0	-0.29	2.0	18.2
2.95	5.0E-05	0.00	122.4	1.85	7	34.6	10.6	45.2	13.8	42	45.1	10.0	-0.28	2.4	16.2
3.12	5.0E-05	0.00	129.1	1.71	9	38.5	9.9	48.4	12.7	44	47.4	10.0	-0.27	2.3	17.7
3.28	5.0E-05	0.00	131.7	1.64	9	41.3	9.8	51.1	12.1	44	48.7	10.0	-0.27	2.2	18.8
3.44	5.0E-05	0.00	143.4	1.88	9	47.2	12.2	59.4	12.7	44	51.9	10.0	-0.29	2.8	21.7
3.61	5.0E-05	0.00	127.2	2.16	7	43.9	15.7	59.7	14.9	44	49.1	10.0	-0.30	3.5	21.0
3.77	5.0E-05	0.00	109.7	2.25	7	39.6	17.7	57.4	16.6	42	45.5	10.0	-0.29	3.8	19.7
3.94	5.0E-05	0.00	94.6	1.79	7	35.7	14.4	50.1	15.8	42	41.9	10.0	-0.24	3.1	17.4
4.10	5.0E-06	-0.01	80.3	1.97	7	31.5	17.3	48.9	18.3	UnDef	UnDef	10.0	UnDef	4.5	20.3
4.27	5.0E-05	-0.01	78.9	1.63	7	32.1	14.5	46.7	16.7	42	37.8	10.0	-0.21	3.1	16.0
4.43	5.0E-06	-0.01	56.5	1.88	7	24.0	19.2	43.1	21.7	UnDef	UnDef	10.0	UnDef	4.6	16.6
4.59	5.0E-05	0.00	61.4	1.52	7	26.9	15.4	42.4	18.7	40	31.8	10.0	-0.18	3.2	13.9
4.76	5.0E-05	0.00	67.4	1.66	7	30.6	17.1	47.7	18.4	40	34.9	10.0	-0.20	3.5	15.8
4.92	5.0E-06	0.00	63.2	1.85	7	29.6	20.2	49.8	20.2	UnDef	UnDef	10.0	UnDef	5.0	19.8
5.09	5.0E-06	0.00	57.5	1.83	7	27.8	21.1	48.9	21.2	UnDef	UnDef	10.0	UnDef	5.1	19.0
5.25	5.0E-05	0.00	61.3	1.60	7	30.5	18.5	49.0	19.2	40	33.5	10.0	-0.19	3.7	15.8
5.41	5.0E-05	0.00	66.1	1.73	7	33.7	20.2	53.9	19.0	40	36.1	10.0	-0.20	4.0	17.2
5.58	5.0E-06	0.00	69.2	2.73	7	35.8	34.5	70.3	23.4	UnDef	UnDef	10.0	UnDef	7.8	25.3
5.74	5.0E-06	0.00	65.2	2.71	7	34.1	35.3	69.4	24.0	UnDef	UnDef	10.0	UnDef	7.8	24.5
5.91	5.0E-06	0.00	63.1	2.56	7	33.5	33.6	67.1	23.8	UnDef	UnDef	10.0	UnDef	7.5	23.9
6.07	5.0E-06	0.00	59.1	2.50	7	31.8	33.6	65.4	24.2	UnDef	UnDef	10.0	UnDef	7.4	22.9
6.23	5.0E-06	0.00	60.7	2.37	7	33.0	31.7	64.7	23.3	UnDef	UnDef	10.0	UnDef	7.1	23.3
6.40	5.0E-06	0.00	64.6	2.54	7	35.5	34.1	69.6	23.4	UnDef	UnDef	10.0	UnDef	7.7	25.1
.56	5.0E-05	0.01	67.3	2.28	7	37.5	30.1	67.5	21.7	40	39.1	10.0	-0.24	5.7	20.3
.73	5.0E-05	0.01	68.6	2.09	7	38.6	27.4	66.0	20.5	40	40.0	10.0	-0.23	5.3	20.4
.89	5.0E-05	0.02	59.6	2.04	7	34.1	28.0	62.0	21.9	40	36.4	10.0	-0.21	5.2	18.6

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4314
CPT File: 315CP13.COR

ıth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	57.8	1.90	7	33.5	26.4	59.8	21.5	40	35.9	10.0	-0.20	5.0	18.1
7.22	5.0E-05	0.02	57.2	1.72	7	33.5	24.0	57.5	20.7	40	35.9	10.0	-0.18	4.6	17.7
7.38	5.0E-05	0.02	64.5	1.80	7	38.2	24.7	62.8	19.7	40	39.7	10.0	-0.20	4.9	19.8
7.55	5.0E-05	0.01	69.5	1.83	7	41.5	25.0	66.5	19.1	40	42.1	10.0	-0.21	5.0	21.2
7.71	5.0E-05	0.01	61.9	1.97	7	37.4	28.2	65.6	21.1	40	39.1	10.0	-0.21	5.4	20.0
7.87	5.0E-05	0.01	65.1	1.95	7	39.8	27.9	67.7	20.4	40	40.9	10.0	-0.21	5.4	21.0
8.04	5.0E-05	0.01	65.6	1.98	7	40.5	28.5	69.0	20.5	40	41.4	10.0	-0.22	5.5	21.4
8.20	5.0E-05	0.01	63.3	1.97	7	39.5	28.9	68.4	20.8	40	40.7	10.0	-0.21	5.6	21.0
8.37	5.0E-05	0.01	69.1	1.95	7	43.5	28.2	71.7	19.7	40	43.4	10.0	-0.22	5.6	22.6
8.53	5.0E-05	0.00	71.7	1.70	7	45.6	24.3	69.9	18.0	40	44.8	10.0	-0.21	5.0	22.8
8.69	5.0E-05	0.01	63.3	1.97	7	40.7	29.8	70.5	20.8	40	41.5	10.0	-0.21	5.7	21.7
8.86	5.0E-06	0.01	67.4	2.82	7	43.7	45.6	89.3	24.1	UnDef	UnDef	10.0	UnDef	10.0	31.4
9.02	5.0E-05	0.01	59.0	2.39	7	38.7	38.7	77.4	23.7	40	40.1	10.0	-0.23	6.9	22.0
9.19	5.0E-05	0.01	62.8	1.95	7	41.5	30.3	71.9	20.8	40	42.1	10.0	-0.21	5.8	22.1
9.35	5.0E-05	0.00	56.7	1.97	7	37.8	31.8	69.7	22.1	40	39.4	10.0	-0.20	5.9	20.7
9.51	5.0E-05	0.00	52.4	2.09	7	35.4	35.2	70.6	23.7	38	37.5	10.0	-0.20	6.3	20.1
9.68	5.0E-05	0.00	46.3	2.00	7	31.6	35.4	67.0	24.8	38	34.3	6.0	-0.18	6.1	18.5
9.84	5.0E-05	0.01	49.4	1.84	7	34.0	31.7	65.7	23.1	38	36.3	6.0	-0.18	5.8	19.1
10.01	5.0E-05	0.00	47.0	2.04	7	32.6	36.6	69.2	24.8	38	35.1	6.0	-0.18	6.3	19.1
10.17	5.0E-05	0.00	46.3	1.99	7	32.4	36.1	68.5	24.7	38	35.0	6.0	-0.18	6.2	18.9
10.33	5.0E-05	0.01	45.1	2.10	7	31.8	39.3	71.1	25.7	38	34.5	6.0	-0.18	6.6	19.0
10.50	5.0E-05	0.02	43.0	2.21	7	30.6	43.2	73.9	26.9	38	33.4	6.0	-0.18	6.9	18.9
10.66	5.0E-05	0.02	44.4	2.15	7	31.9	41.4	73.3	26.2	38	34.5	6.0	-0.18	6.8	19.3
10.83	5.0E-05	0.02	46.9	2.00	7	33.9	37.4	71.3	24.6	38	36.3	6.0	-0.18	6.5	19.8
10.99	5.0E-05	0.00	50.2	1.62	7	36.5	29.0	65.5	21.6	38	38.4	10.0	-0.17	5.5	19.8
11.15	5.0E-04	0.00	55.5	1.24	7	40.6	21.5	62.1	17.9	40	41.5	1.0	-0.15	3.7	16.9
11.32	5.0E-04	0.00	82.7	0.66	9	60.6	8.7	69.2	9.7	42	52.9	1.0	-0.13	1.7	21.4
11.48	5.0E-03	0.00	94.7	0.59	9	69.8	6.0	75.8	8.0	42	57.0	1.0	-0.14	0.9	18.0
11.65	5.0E-03	0.00	96.9	0.66	9	71.9	7.1	79.1	8.4	42	57.8	1.0	-0.15	1.1	18.7
81	5.0E-04	0.00	91.3	0.77	9	68.3	9.8	78.1	9.7	42	56.3	1.0	-0.16	1.9	24.2
97	5.0E-04	0.00	86.5	0.74	9	65.2	9.9	75.1	9.9	42	55.0	1.0	-0.15	1.9	23.2
12.14	5.0E-04	0.00	75.5	0.90	9	57.4	14.1	71.5	12.4	40	51.4	1.0	-0.15	2.6	21.4
12.30	5.0E-04	0.00	82.1	0.88	9	62.8	13.1	75.9	11.5	42	53.9	1.0	-0.16	2.5	23.0
12.47	5.0E-03	0.00	117.6	0.59	9	90.2	3.6	93.8	6.4	42	64.3	1.0	-0.16	0.5	22.6
12.63	5.0E-04	0.00	83.5	0.98	9	64.7	15.0	79.7	12.0	42	54.8	1.0	-0.17	2.8	23.9
12.80	5.0E-04	0.00	69.3	1.45	7	54.2	25.2	79.4	16.9	40	49.7	1.0	-0.19	4.4	22.1
12.96	5.0E-05	0.00	55.4	2.02	7	43.7	39.0	82.7	22.6	40	43.6	10.0	-0.20	7.2	24.3
13.12	5.0E-05	0.00	50.9	1.76	7	40.5	34.7	75.2	22.3	38	41.4	10.0	-0.18	6.4	22.3
13.29	5.0E-04	0.00	81.3	0.84	9	64.7	13.0	77.6	11.3	42	54.8	1.0	-0.15	2.5	23.6
13.45	5.0E-03	0.00	100.6	0.72	9	80.4	8.4	88.7	8.5	42	61.0	1.0	-0.16	1.2	20.9
13.62	5.0E-03	0.00	140.5	0.86	9	112.6	7.1	119.7	7.2	44	70.7	1.0	-0.21	1.1	28.6
13.78	5.0E-03	0.00	174.3	0.94	9	140.4	5.2	145.6	6.3	44	77.0	1.0	-0.23	0.8	35.1
13.94	5.0E-03	0.00	174.4	1.04	9	141.4	7.8	149.2	7.0	44	77.2	1.0	-0.24	1.2	35.8
14.11	5.0E-03	0.00	159.8	1.11	9	130.4	10.9	141.3	7.9	44	74.9	1.0	-0.24	1.6	33.5
14.27	5.0E-03	0.00	130.2	1.07	9	107.1	13.1	120.2	9.1	44	69.2	1.0	-0.22	1.9	28.1
14.44	5.0E-03	0.00	101.7	1.02	9	84.3	15.0	99.3	10.7	42	62.4	1.0	-0.19	2.2	22.8
14.60	5.0E-03	0.00	85.3	0.96	9	71.3	15.5	86.8	11.7	42	57.6	1.0	-0.17	2.2	19.6
14.76	5.0E-04	0.00	75.3	1.13	9	63.3	20.1	83.5	14.0	40	54.2	1.0	-0.17	3.7	24.3
14.93	5.0E-04	0.00	67.4	1.86	7	57.1	36.2	93.4	19.5	40	51.2	1.0	-0.21	6.0	24.6
15.09	5.0E-05	0.00	59.7	2.23	7	51.0	46.4	97.4	22.8	40	48.0	10.0	-0.22	8.5	28.4
15.26	5.0E-05	0.00	65.5	2.30	7	56.2	47.2	103.3	22.1	40	50.7	10.0	-0.24	8.8	30.8
15.42	5.0E-05	0.00	55.7	2.30	7	48.1	49.7	97.7	24.0	40	46.3	10.0	-0.22	8.8	27.6
15.58	5.0E-04	0.00	59.9	1.67	7	51.9	34.1	86.0	19.8	40	48.5	1.0	-0.19	5.6	22.5
15.75	5.0E-04	0.00	75.5	1.33	7	65.6	25.0	90.6	15.3	40	55.2	1.0	-0.19	4.5	25.9
15.91	5.0E-04	0.00	79.8	1.23	9	69.7	22.5	92.2	14.1	42	56.9	1.0	-0.19	4.1	26.8
16.08	5.0E-04	0.00	75.4	1.31	7	66.2	24.7	90.9	15.2	40	55.5	1.0	-0.19	4.4	26.0
16.24	5.0E-04	0.00	66.0	1.15	7	58.3	22.7	81.0	15.5	40	51.8	1.0	-0.16	4.0	23.1
16.40	5.0E-04	0.00	60.9	1.40	7	54.2	28.7	82.9	18.0	40	49.7	1.0	-0.17	4.9	22.6
16.57	5.0E-05	0.00	52.2	1.92	7	46.8	42.7	89.5	22.9	38	45.5	10.0	-0.19	7.8	26.1
16.73	5.0E-05	0.00	44.2	2.61	7	40.0	67.7	107.7	28.5	38	41.0	6.0	-0.21	10.1	25.8
90	5.0E-05	0.00	43.8	2.47	7	39.8	63.2	103.0	28.0	38	40.9	6.0	-0.20	9.7	25.3
06	5.0E-05	0.00	42.9	2.33	7	39.2	59.3	98.6	27.5	38	40.5	6.0	-0.19	9.3	24.6
22	5.0E-05	0.00	44.0	2.14	7	40.4	53.0	93.3	26.3	38	41.3	6.0	-0.18	8.7	24.5
17.39	5.0E-04	0.00	49.5	1.57	7	45.5	35.8	81.3	21.5	38	44.7	1.0	-0.16	5.6	20.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4314
CPT File: 315CP13.COR

ıth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	54.2	1.23	7	50.0	27.1	77.1	18.2	40	47.4	1.0	-0.15	4.6	20.9
17.72	5.0E-04	0.00	56.6	1.02	7	52.5	22.3	74.8	16.2	40	48.8	1.0	-0.14	3.9	21.0
17.88	5.0E-04	0.00	57.3	1.22	7	53.3	26.7	80.0	17.5	40	49.2	1.0	-0.15	4.6	22.0
18.04	5.0E-04	0.00	58.4	1.21	7	54.6	26.3	80.9	17.2	40	49.9	1.0	-0.15	4.5	22.4
18.21	5.0E-04	0.00	58.7	1.21	7	55.1	26.4	81.5	17.1	40	50.2	1.0	-0.15	4.6	22.5
18.37	5.0E-04	0.00	60.4	1.04	7	56.9	22.4	79.3	15.6	40	51.1	1.0	-0.14	4.0	22.6
18.54	5.0E-04	0.00	59.7	1.00	7	56.5	21.9	78.4	15.4	40	50.9	1.0	-0.14	3.9	22.3
18.70	5.0E-04	0.00	56.4	1.20	7	53.7	27.0	80.8	17.5	40	49.5	1.0	-0.15	4.6	22.2
18.86	5.0E-04	0.00	54.3	1.06	7	51.9	24.3	76.2	16.9	40	48.5	1.0	-0.13	4.2	21.2
19.03	5.0E-04	0.00	55.9	1.02	7	53.7	23.2	76.9	16.3	40	49.4	1.0	-0.13	4.1	21.6
19.19	5.0E-04	0.00	56.0	1.15	7	54.0	26.1	80.1	17.2	40	49.6	1.0	-0.14	4.5	22.1
19.36	5.0E-04	0.00	53.3	1.27	7	51.7	29.6	81.3	18.6	40	48.4	1.0	-0.15	5.0	21.8
19.52	5.0E-04	0.00	48.0	1.27	7	46.8	30.8	77.6	19.9	38	45.5	1.0	-0.14	5.0	20.3
19.68	5.0E-04	0.00	42.9	1.17	7	42.1	29.7	71.8	20.5	38	42.5	1.0	-0.12	4.8	18.5
19.85	5.0E-04	0.00	39.3	1.31	7	38.9	34.7	73.6	22.7	38	40.2	1.0	-0.12	5.3	18.0
20.01	5.0E-04	0.00	35.4	1.54	7	35.2	43.3	78.4	25.6	38	37.3	1.0	-0.13	6.0	17.5
20.18	5.0E-05	0.00	33.4	1.98	7	33.4	61.4	94.8	29.3	36	35.9	6.0	-0.14	8.9	22.0
20.34	5.0E-05	0.00	33.5	1.99	7	33.7	61.8	95.5	29.3	36	36.1	6.0	-0.15	9.0	22.1
20.51	5.0E-05	0.00	33.4	2.06	7	33.7	65.6	99.3	29.7	36	36.1	6.0	-0.15	9.3	22.5
20.67	5.0E-05	0.01	31.7	2.19	6	32.2	75.2	107.4	31.2	36	34.8	6.0	-0.15	9.8	22.4
20.83	5.0E-05	0.01	29.8	2.08	6	30.4	74.5	104.9	31.6	36	33.1	6.0	-0.14	9.5	21.4
21.00	5.0E-05	0.02	27.2	2.08	6	27.9	83.4	111.3	33.1	36	30.7	6.0	-0.13	9.6	20.6
21.16	5.0E-05	0.02	28.3	1.88	7	29.2	67.7	96.9	31.2	36	32.0	6.0	-0.12	8.9	20.3
21.33	5.0E-05	0.02	28.0	1.92	7	29.0	71.2	100.2	31.6	36	31.8	6.0	-0.12	9.1	20.4
21.49	5.0E-05	0.02	34.6	1.85	7	35.7	56.5	92.2	28.0	36	37.8	6.0	-0.14	8.7	22.7
21.65	5.0E-05	0.01	33.3	1.76	7	34.5	54.9	89.4	28.0	36	36.8	6.0	-0.13	8.4	21.9
21.82	5.0E-04	0.01	37.8	1.71	7	39.3	49.3	88.6	25.9	38	40.5	1.0	-0.14	6.8	19.6
21.98	5.0E-05	0.00	36.7	2.38	7	38.3	77.5	115.8	30.1	38	39.8	6.0	-0.18	10.8	25.8
[illegible].15	5.0E-05	0.00	28.4	2.28	6	30.0	94.6	124.6	33.4	36	32.7	6.0	-0.14	10.6	22.4
[illegible]31	5.0E-05	0.01	34.0	1.94	7	35.8	62.1	97.9	28.7	36	37.9	6.0	-0.14	9.2	23.2
[illegible].47	5.0E-05	0.01	33.2	1.92	7	35.1	62.7	97.7	29.0	36	37.2	6.0	-0.14	9.2	22.9
22.64	5.0E-05	0.01	33.6	2.13	7	35.6	71.7	107.3	30.0	36	37.7	6.0	-0.15	10.0	24.0
22.80	5.0E-05	0.01	34.0	1.93	7	36.2	62.2	98.4	28.7	36	38.1	6.0	-0.14	9.3	23.4
22.97	5.0E-05	0.01	30.8	1.91	7	33.0	66.7	99.7	30.1	36	35.5	6.0	-0.13	9.3	22.2
23.13	5.0E-04	0.01	36.3	1.56	7	38.9	46.7	85.5	25.4	38	40.2	1.0	-0.13	6.6	19.2
23.29	5.0E-04	0.00	36.4	1.74	7	39.1	52.9	92.0	26.5	38	40.4	1.0	-0.14	7.2	19.9
23.46	5.0E-05	0.00	33.7	2.07	7	36.4	69.9	106.4	29.6	36	38.3	6.0	-0.15	10.0	24.2
23.62	5.0E-05	0.00	38.3	1.97	7	41.3	60.3	101.6	27.2	38	42.0	6.0	-0.16	9.5	25.7
23.79	5.0E-05	0.00	37.0	1.95	7	40.2	61.1	101.2	27.6	38	41.1	6.0	-0.15	9.5	25.2
23.95	5.0E-04	0.00	37.8	1.74	7	41.2	52.6	93.7	26.0	38	41.8	1.0	-0.14	7.3	20.7
24.11	5.0E-04	0.00	40.9	1.52	7	44.5	43.7	88.2	23.5	38	44.1	1.0	-0.14	6.5	21.0
24.28	5.0E-04	0.00	42.4	1.31	7	46.3	37.3	83.5	21.7	38	45.2	1.0	-0.13	5.8	20.9
24.44	5.0E-04	0.00	42.3	1.38	7	46.4	39.4	85.8	22.2	38	45.3	1.0	-0.13	6.1	21.2
24.61	5.0E-04	0.00	45.6	1.17	7	50.1	32.5	82.5	19.7	38	47.4	1.0	-0.13	5.3	21.7
24.77	5.0E-04	0.00	46.4	1.23	7	51.1	34.0	85.1	20.0	38	48.1	1.0	-0.13	5.6	22.2
24.93	5.0E-04	0.00	46.5	1.64	7	51.4	45.9	97.3	22.7	38	48.2	1.0	-0.16	7.0	23.8
25.10	5.0E-04	0.00	43.5	2.08	7	48.3	62.2	110.5	26.1	38	46.4	1.0	-0.18	8.6	24.3
25.26	5.0E-05	0.00	42.4	2.39	7	47.3	75.4	122.7	28.0	38	45.8	6.0	-0.19	11.6	30.1
25.43	5.0E-04	0.00	48.7	1.47	7	54.3	40.6	94.9	21.0	38	49.8	1.0	-0.15	6.5	24.2
25.59	5.0E-04	0.00	48.5	1.04	7	54.3	28.9	83.2	18.0	38	49.8	1.0	-0.12	4.9	22.6
25.75	5.0E-03	0.00	51.7	0.75	9	58.0	20.9	78.9	14.9	38	51.6	1.0	-0.10	2.8	17.0
25.92	5.0E-03	0.00	53.9	0.91	7	60.6	24.5	85.1	15.8	40	52.9	1.0	-0.12	3.3	18.1
26.08	5.0E-03	0.00	52.3	0.94	7	59.0	25.9	84.9	16.4	38	52.1	1.0	-0.12	3.4	17.8
26.25	5.0E-03	0.00	50.3	1.01	7	57.0	28.0	85.0	17.4	38	51.1	1.0	-0.12	3.6	17.6
26.41	5.0E-03	0.00	50.7	1.11	7	57.6	30.9	88.5	18.1	38	51.5	1.0	-0.13	3.9	18.0
26.57	5.0E-04	0.00	48.9	1.26	7	55.8	35.4	91.2	19.5	38	50.5	1.0	-0.14	5.8	24.0
26.74	5.0E-04	0.00	53.9	1.37	7	61.6	37.6	99.1	19.2	40	53.4	1.0	-0.16	6.2	26.3
26.90	5.0E-03	0.00	64.5	1.17	7	73.6	30.0	103.6	15.8	40	58.5	1.0	-0.16	4.0	22.0
27.07	5.0E-03	0.00	74.1	1.15	9	84.7	28.1	112.8	14.3	40	62.5	1.0	-0.17	3.8	24.6
27.23	5.0E-03	0.00	82.9	0.98	9	94.9	22.2	117.0	12.1	42	65.8	1.0	-0.17	3.1	26.3
[illegible] 39	5.0E-03	0.00	92.3	0.98	9	105.9	20.8	126.7	11.2	42	68.9	1.0	-0.18	3.0	28.9
[illegible]6	5.0E-02	0.00	101.4	0.93	9	116.5	18.1	134.7	10.0	42	71.7	1.0	-0.18	2.1	24.9
[illegible].72	5.0E-02	0.00	110.3	0.01	9	127.1	0.0	127.1	3.9	42	74.2	1.0	0.16	0.0	24.9
27.89	5.0E-02	0.00	113.9	0.01	9	131.6	0.0	131.6	3.8	42	75.1	1.0	0.16	0.0	25.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
n No: 99-0525-1349-4358
, No: 99-315
ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-14
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 12:35
CPT File: 315CP14.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.1	0.02	0.39	1.0	1	74.5	0.01	0.01	0.00	2.00	2.5	4.9	0.41	0.00
0.33	10.0	0.02	0.20	-0.6	6	98.7	0.01	0.01	0.00	2.00	3.8	7.7	0.80	0.00
0.49	15.8	0.20	1.27	-0.8	6	98.7	0.02	0.02	0.00	2.00	6.0	12.1	1.26	0.08
0.66	25.9	0.67	2.60	-1.7	5	85.3	0.03	0.03	0.00	2.00	12.4	24.8	2.07	0.00
0.82	38.8	0.93	2.40	-1.9	6	98.7	0.04	0.04	0.00	2.00	14.9	29.8	3.10	0.00
0.98	55.1	1.15	2.09	-2.3	6	98.7	0.04	0.04	0.00	2.00	21.1	42.2	4.40	0.00
.15	55.8	1.13	2.03	-1.4	7	98.7	0.05	0.05	0.00	2.00	17.8	35.6	UnDef	0.00
31	49.4	0.98	1.99	-1.2	7	98.7	0.06	0.06	0.00	2.00	15.8	31.6	UnDef	0.00
.48	42.9	0.67	1.56	-0.7	7	98.7	0.07	0.07	0.00	2.00	13.7	27.4	UnDef	0.13
1.64	40.8	0.46	1.13	-0.4	7	98.7	0.08	0.08	0.00	2.00	13.0	26.0	UnDef	0.12
1.80	46.4	0.47	1.02	-0.2	7	98.7	0.08	0.08	0.00	2.00	14.8	29.6	UnDef	0.15
1.97	57.0	0.53	0.93	-0.2	7	98.7	0.09	0.09	0.00	2.00	18.2	36.4	UnDef	0.20
2.13	56.3	0.71	1.26	-0.2	7	98.7	0.10	0.10	0.00	2.00	18.0	35.9	UnDef	0.20
2.30	51.9	0.60	1.16	-0.2	7	98.7	0.11	0.11	0.00	2.00	16.6	33.2	UnDef	0.17
2.46	43.8	0.35	0.80	-1.1	7	98.7	0.12	0.12	0.00	2.00	14.0	27.9	UnDef	0.13
2.62	38.6	0.21	0.55	-0.3	7	98.7	0.13	0.13	0.00	2.00	12.3	24.6	UnDef	0.12
2.79	35.6	0.53	1.49	-0.3	7	98.7	0.13	0.13	0.00	2.00	11.4	22.7	UnDef	0.11
2.95	31.6	0.56	1.78	-0.1	6	98.7	0.14	0.14	0.00	2.00	12.1	24.2	2.51	0.11
3.12	26.9	0.37	1.38	1.4	6	98.7	0.15	0.15	0.00	2.00	10.3	20.6	2.14	0.10
3.28	22.8	0.17	0.75	2.6	6	98.7	0.16	0.16	0.00	2.00	8.7	17.4	1.81	0.09
3.44	20.3	0.06	0.30	3.7	7	98.7	0.17	0.17	0.00	2.00	6.5	13.0	UnDef	0.09
3.61	21.2	0.02	0.09	3.9	7	98.7	0.17	0.17	0.00	2.00	6.8	13.6	UnDef	0.09
3.77	25.5	0.02	0.08	-2.8	7	98.7	0.18	0.18	0.00	2.00	8.1	16.3	UnDef	0.09
3.94	25.1	0.02	0.08	-0.8	7	98.7	0.19	0.19	0.00	2.00	8.0	16.0	UnDef	0.09
4.10	22.6	0.07	0.31	-0.5	7	98.7	0.20	0.20	0.00	2.00	7.2	14.4	UnDef	0.09
4.27	24.2	0.11	0.46	-0.3	7	98.7	0.21	0.21	0.00	2.00	7.7	15.5	UnDef	0.09
4.43	22.0	0.15	0.68	0.0	6	98.7	0.21	0.21	0.00	2.00	8.4	16.8	1.74	0.09
4.59	20.6	0.16	0.78	-0.2	6	98.7	0.22	0.22	0.00	2.00	7.9	15.8	1.63	0.09
4.76	20.7	0.10	0.48	-0.2	7	98.7	0.23	0.23	0.00	2.00	6.6	13.2	UnDef	0.09
4.92	19.9	0.12	0.60	-0.2	6	98.7	0.24	0.24	0.00	2.00	7.6	15.3	1.58	0.09
5.09	19.6	0.10	0.51	1.6	6	98.7	0.25	0.25	0.00	2.00	7.5	15.0	1.54	0.09
5.25	20.1	0.09	0.45	0.5	7	98.7	0.25	0.25	0.00	1.98	6.4	12.7	UnDef	0.09
5.41	21.1	0.04	0.19	-0.8	7	98.7	0.26	0.26	0.00	1.95	6.7	13.2	UnDef	0.09
5.58	19.6	0.06	0.31	-1.1	7	98.7	0.27	0.27	0.00	1.92	6.3	12.0	UnDef	0.08
5.74	17.3	0.05	0.29	-5.8	6	98.7	0.28	0.28	0.00	1.89	6.6	12.6	1.37	0.08
5.91	17.9	0.08	0.45	-3.3	6	98.7	0.29	0.29	0.00	1.87	6.8	12.8	1.41	0.08
6.07	19.5	0.12	0.62	-0.8	6	98.7	0.30	0.30	0.00	1.84	7.5	13.7	1.54	0.09
6.23	18.3	0.15	0.82	-0.7	6	98.7	0.30	0.30	0.00	1.82	7.0	12.7	1.44	0.09
40	20.3	0.23	1.13	-0.7	6	98.7	0.31	0.31	0.00	1.79	7.8	13.9	1.60	0.09
56	20.9	0.25	1.20	-0.3	6	98.7	0.32	0.32	0.00	1.77	8.0	14.2	1.65	0.09
6.73	20.6	0.29	1.41	1.8	6	98.7	0.33	0.33	0.00	1.75	7.9	13.8	1.62	0.09
6.89	20.7	0.23	1.11	0.4	6	98.7	0.34	0.34	0.00	1.73	7.9	13.7	1.63	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4358
CPT File: 315CP14.COR

›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	21.7	0.22	1.02	-0.5	6	98.7	0.34	0.34	0.00	1.71	8.3	14.1	1.70	0.09
7.22	21.3	0.20	0.94	-0.4	6	98.7	0.35	0.35	0.00	1.69	8.2	13.8	1.68	0.09
7.38	20.9	0.26	1.25	0.0	6	98.7	0.36	0.36	0.00	1.67	8.0	13.3	1.64	0.09
7.55	22.2	0.28	1.26	-0.1	6	98.7	0.37	0.37	0.00	1.65	8.5	14.0	1.75	0.09
7.71	22.0	0.24	1.09	1.9	6	98.7	0.38	0.38	0.00	1.63	8.4	13.7	1.73	0.09
7.87	23.1	0.22	0.95	-0.6	6	98.7	0.38	0.38	0.00	1.61	8.9	14.3	1.82	0.09
8.04	23.5	0.21	0.90	-1.0	6	98.7	0.39	0.39	0.00	1.60	9.0	14.4	1.85	0.09
8.20	22.6	0.28	1.24	-0.4	6	98.7	0.40	0.40	0.00	1.58	8.7	13.7	1.78	0.09
8.37	22.9	0.31	1.36	-0.4	6	98.7	0.41	0.41	0.00	1.56	8.8	13.7	1.80	0.10
8.53	24.9	0.32	1.29	0.3	6	98.7	0.42	0.42	0.00	1.55	9.5	14.8	1.96	0.10
8.69	26.9	0.37	1.38	0.9	6	98.7	0.42	0.42	0.00	1.53	10.3	15.8	2.12	0.10
8.86	25.7	0.34	1.32	-0.1	6	98.7	0.43	0.43	0.00	1.52	9.9	15.0	2.02	0.10
9.02	28.3	0.33	1.17	-2.0	6	98.7	0.44	0.44	0.00	1.51	10.8	16.3	2.23	0.10
9.19	25.0	0.38	1.53	-1.2	6	98.7	0.45	0.45	0.00	1.49	9.6	14.3	1.96	0.10
9.35	25.2	0.39	1.55	-1.2	6	98.7	0.46	0.46	0.00	1.48	9.6	14.3	1.98	0.10
9.51	23.3	0.40	1.72	-0.9	6	98.7	0.47	0.47	0.00	1.47	8.9	13.1	1.82	0.10
9.68	21.9	0.32	1.46	-1.0	6	98.7	0.47	0.47	0.00	1.45	8.4	12.2	1.71	0.10
9.84	20.2	0.28	1.39	-1.7	6	98.7	0.48	0.48	0.00	1.44	7.8	11.2	1.58	0.10
10.01	21.3	0.23	1.08	-1.2	6	98.7	0.49	0.49	0.00	1.43	8.2	11.7	1.67	0.09
10.17	22.2	0.25	1.13	-1.1	6	98.7	0.50	0.50	0.00	1.42	8.5	12.1	1.74	0.09
10.33	25.4	0.36	1.42	-1.1	6	98.7	0.51	0.51	0.00	1.41	9.7	13.7	1.99	0.10
10.50	26.3	0.47	1.79	-0.4	6	98.7	0.51	0.51	0.00	1.40	10.1	14.1	2.06	0.11
10.66	26.5	0.32	1.21	2.5	6	98.7	0.52	0.52	0.00	1.38	10.2	14.1	2.08	0.10
10.83	33.3	0.22	0.66	-1.2	7	98.7	0.53	0.53	0.00	1.37	10.6	14.6	UnDef	0.10
10.99	37.7	0.09	0.24	-1.2	8	101.8	0.54	0.54	0.00	1.36	9.0	12.3	UnDef	0.09
11.15	42.9	0.14	0.33	-1.5	8	101.8	0.55	0.55	0.00	1.35	10.3	13.9	UnDef	0.10
11.32	43.0	0.02	0.05	-1.5	8	101.8	0.55	0.55	0.00	1.34	10.3	13.8	UnDef	0.10
11.48	43.9	0.07	0.16	-1.1	8	101.8	0.56	0.56	0.00	1.33	10.5	14.0	UnDef	0.10
[illegible].65	49.8	0.11	0.22	-1.2	8	101.8	0.57	0.57	0.00	1.32	11.9	15.8	UnDef	0.10
[illegible]81	45.6	0.12	0.26	-1.1	8	101.8	0.58	0.58	0.00	1.31	10.9	14.3	UnDef	0.10
[illegible].97	40.9	0.20	0.49	-0.8	7	98.7	0.59	0.59	0.00	1.30	13.1	17.0	UnDef	0.09
12.14	43.0	0.24	0.56	-1.0	7	98.7	0.60	0.60	0.00	1.30	13.7	17.8	UnDef	0.10
12.30	47.0	0.20	0.43	-1.1	8	101.8	0.60	0.60	0.00	1.29	11.3	14.5	UnDef	0.10
12.47	51.9	0.16	0.31	-1.1	8	101.8	0.61	0.61	0.00	1.28	12.4	15.9	UnDef	0.11
12.63	60.7	0.15	0.25	-1.1	8	101.8	0.62	0.62	0.00	1.27	14.5	18.5	UnDef	0.12
12.80	65.5	0.26	0.40	-1.2	8	101.8	0.63	0.63	0.00	1.26	15.7	19.8	UnDef	0.13
12.96	68.2	0.24	0.35	-1.1	8	101.8	0.64	0.64	0.00	1.25	16.3	20.4	UnDef	0.13
13.12	62.6	0.25	0.40	-1.2	8	101.8	0.65	0.65	0.00	1.24	15.0	18.6	UnDef	0.12
13.29	63.0	0.28	0.45	-1.2	8	101.8	0.65	0.65	0.00	1.24	15.1	18.6	UnDef	0.12
13.45	75.8	0.30	0.40	-1.1	8	101.8	0.66	0.66	0.00	1.23	18.2	22.3	UnDef	0.15
13.62	84.0	0.40	0.48	-1.2	8	101.8	0.67	0.67	0.00	1.22	20.1	24.5	UnDef	0.17
13.78	91.9	0.44	0.48	-0.8	8	101.8	0.68	0.68	0.00	1.21	22.0	26.7	UnDef	0.20
13.94	80.7	0.49	0.61	-1.2	8	101.8	0.69	0.69	0.00	1.21	19.3	23.3	UnDef	0.17
14.11	66.2	0.42	0.64	-1.2	8	101.8	0.70	0.70	0.00	1.20	15.9	19.0	UnDef	0.14
14.27	56.9	0.47	0.83	-1.1	8	101.8	0.70	0.70	0.00	1.19	13.6	16.2	UnDef	0.13
14.44	47.3	0.74	1.57	-1.1	7	98.7	0.71	0.71	0.00	1.18	15.1	17.9	UnDef	0.14
14.60	38.5	0.81	2.11	-0.3	6	98.7	0.72	0.72	0.00	1.18	14.8	17.4	3.02	0.15
14.76	41.8	1.02	2.45	2.1	6	98.7	0.73	0.73	0.00	1.17	16.0	18.7	3.28	0.18
14.93	39.9	0.68	1.71	-1.3	7	98.7	0.74	0.74	0.00	1.16	12.7	14.8	UnDef	0.13
15.09	35.7	0.76	2.14	2.0	6	98.7	0.75	0.75	0.00	1.16	13.7	15.8	2.79	0.15
15.26	42.5	0.46	1.08	-0.2	7	98.7	0.75	0.75	0.00	1.15	13.6	15.6	UnDef	0.11
15.42	44.8	0.41	0.92	-2.4	7	98.7	0.76	0.76	0.00	1.15	14.3	16.4	UnDef	0.11
15.58	51.2	0.47	0.92	-1.6	7	98.7	0.77	0.77	0.00	1.14	16.3	18.6	UnDef	0.12
15.75	49.3	0.64	1.30	-1.0	7	98.7	0.78	0.78	0.00	1.13	15.7	17.9	UnDef	0.13
15.91	52.4	0.55	1.05	-1.2	7	98.7	0.79	0.79	0.00	1.13	16.7	18.9	UnDef	0.13
16.08	54.7	0.45	0.82	-0.8	7	98.7	0.79	0.79	0.00	1.12	17.5	19.6	UnDef	0.12
16.24	53.7	0.39	0.73	-0.6	8	101.8	0.80	0.80	0.00	1.12	12.8	14.3	UnDef	0.12
16.40	47.4	0.69	1.46	-0.3	7	98.7	0.81	0.81	0.00	1.11	15.1	16.8	UnDef	0.13
16.57	42.7	0.80	1.88	-0.4	6	98.7	0.82	0.82	0.00	1.11	16.4	18.1	3.35	0.15
16.73	39.0	0.68	1.75	-0.8	6	98.7	0.83	0.83	0.00	1.10	15.0	16.4	3.06	0.13
[illegible]90	34.4	0.62	1.80	0.2	6	98.7	0.83	0.83	0.00	1.09	13.2	14.4	2.69	0.13
[illegible]06	32.5	0.59	1.82	1.0	6	98.7	0.84	0.84	0.00	1.09	12.5	13.6	2.53	0.13
[illegible].22	28.7	0.49	1.71	3.9	6	98.7	0.85	0.85	0.00	1.08	11.0	11.9	2.23	0.13
17.39	28.6	0.44	1.54	6.0	6	98.7	0.86	0.86	0.00	1.08	11.0	11.8	2.22	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4358
CPT File: 315CP14.COR

›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	34.0	0.40	1.18	7.1	7	98.7	0.87	0.87	0.00	1.07	10.8	11.6	UnDef	0.11
17.72	36.7	0.40	1.09	1.1	7	98.7	0.88	0.88	0.00	1.07	11.7	12.5	UnDef	0.11
17.88	40.6	0.31	0.77	0.1	7	98.7	0.88	0.88	0.00	1.06	13.0	13.8	UnDef	0.10
18.04	44.0	0.21	0.48	-0.5	8	101.8	0.89	0.89	0.00	1.06	10.5	11.2	UnDef	0.09
18.21	46.6	0.22	0.47	-0.4	8	101.8	0.90	0.90	0.00	1.05	11.2	11.8	UnDef	0.09
18.37	48.4	0.24	0.50	-0.3	8	101.8	0.91	0.91	0.00	1.05	11.6	12.2	UnDef	0.10
18.54	51.0	0.27	0.53	-0.4	8	101.8	0.92	0.92	0.00	1.04	12.2	12.8	UnDef	0.11
18.70	54.3	0.15	0.28	-0.2	8	101.8	0.92	0.92	0.00	1.04	13.0	13.5	UnDef	0.10
18.86	51.8	0.13	0.25	-0.6	8	101.8	0.93	0.93	0.00	1.04	12.4	12.8	UnDef	0.09
19.03	50.8	0.11	0.22	-0.4	8	101.8	0.94	0.94	0.00	1.03	12.2	12.5	UnDef	0.09
19.19	51.2	0.23	0.45	-0.2	8	101.8	0.95	0.95	0.00	1.03	12.2	12.6	UnDef	0.09
19.36	51.6	0.24	0.47	0.1	8	101.8	0.96	0.96	0.00	1.02	12.4	12.6	UnDef	0.09
19.52	46.7	0.28	0.60	-0.1	7	98.7	0.97	0.97	0.00	1.02	14.9	15.2	UnDef	0.10
19.68	46.2	0.29	0.63	-0.1	7	98.7	0.97	0.97	0.00	1.01	14.7	14.9	UnDef	0.10
19.85	43.4	0.37	0.85	-0.3	7	98.7	0.98	0.98	0.00	1.01	13.9	14.0	UnDef	0.11
20.01	40.8	0.36	0.88	0.0	7	98.7	0.99	0.99	0.00	1.00	13.0	13.1	UnDef	0.11
20.18	36.6	0.48	1.31	0.4	7	98.7	1.00	1.00	0.00	1.00	11.7	11.7	UnDef	0.12
20.34	33.5	0.49	1.46	0.4	6	98.7	1.01	1.01	0.00	1.00	12.8	12.8	2.60	0.12
20.51	32.8	0.53	1.62	1.4	6	98.7	1.02	1.02	0.00	0.99	12.6	12.5	2.55	0.14
20.67	34.9	0.55	1.58	6.6	6	98.7	1.02	1.02	0.00	0.99	13.4	13.2	2.71	0.13
20.83	30.9	0.53	1.72	11.8	6	98.7	1.03	1.03	0.00	0.98	11.8	11.7	2.39	0.15
21.00	28.8	0.48	1.67	16.7	6	98.7	1.04	1.04	0.00	0.98	11.0	10.8	2.22	0.15
21.16	27.9	0.42	1.51	20.7	6	98.7	1.05	1.05	0.00	0.98	10.7	10.4	2.15	0.14
21.33	28.4	0.37	1.31	24.0	6	98.7	1.06	1.06	0.00	0.97	10.9	10.6	2.18	0.12
21.49	27.7	0.37	1.34	27.4	6	98.7	1.06	1.06	0.00	0.97	10.6	10.3	2.13	0.12
21.65	28.5	0.36	1.27	29.1	6	98.7	1.07	1.07	0.00	0.97	10.9	10.5	2.19	0.12
21.82	28.7	0.43	1.50	28.2	6	98.7	1.08	1.08	0.00	0.96	11.0	10.6	2.21	0.14
21.98	27.6	0.42	1.52	8.6	6	98.7	1.09	1.09	0.00	0.96	10.6	10.2	2.12	0.15
22.15	35.3	0.25	0.71	17.5	7	98.7	1.10	1.10	0.00	0.96	11.3	10.8	UnDef	0.10
31	37.6	0.37	0.99	3.3	7	98.7	1.10	1.10	0.00	0.95	12.0	11.4	UnDef	0.11
.47	39.8	0.47	1.18	1.1	7	98.7	1.11	1.11	0.00	0.95	12.7	12.0	UnDef	0.12
22.64	37.6	0.67	1.79	1.9	6	98.7	1.12	1.12	0.00	0.94	14.4	13.6	2.92	0.16
22.80	37.6	0.69	1.84	4.6	6	98.7	1.13	1.13	0.00	0.94	14.4	13.6	2.92	0.17
22.97	39.6	0.62	1.57	2.2	7	98.7	1.14	1.14	0.00	0.94	12.6	11.8	UnDef	0.14
23.13	40.1	0.64	1.60	0.0	7	98.7	1.14	1.14	0.00	0.93	12.8	12.0	UnDef	0.14
23.29	40.7	0.69	1.70	0.0	7	98.7	1.15	1.15	0.00	0.93	13.0	12.1	UnDef	0.15
23.46	39.8	0.74	1.86	0.3	6	98.7	1.16	1.16	0.00	0.93	15.2	14.2	3.09	0.17
23.62	42.0	0.66	1.57	0.8	7	98.7	1.17	1.17	0.00	0.93	13.4	12.4	UnDef	0.14
23.79	50.6	0.46	0.91	0.2	7	98.7	1.18	1.18	0.00	0.92	16.2	14.9	UnDef	0.12
23.95	51.5	0.45	0.88	-0.3	7	98.7	1.19	1.19	0.00	0.92	16.4	15.1	UnDef	0.12
24.11	53.3	0.39	0.73	-0.2	8	101.8	1.19	1.19	0.00	0.92	12.8	11.7	UnDef	0.11
24.28	58.5	0.43	0.74	-0.3	8	101.8	1.20	1.20	0.00	0.91	14.0	12.8	UnDef	0.12
24.44	61.0	0.43	0.71	-0.4	8	101.8	1.21	1.21	0.00	0.91	14.6	13.3	UnDef	0.12
24.61	58.9	0.67	1.14	-0.5	7	98.7	1.22	1.22	0.00	0.91	18.8	17.0	UnDef	0.14
24.77	58.3	1.03	1.77	-0.2	7	98.7	1.23	1.23	0.00	0.90	18.6	16.8	UnDef	0.18
24.93	57.4	0.89	1.56	-0.1	7	98.7	1.23	1.23	0.00	0.90	18.3	16.5	UnDef	0.16
25.10	63.2	0.43	0.68	-0.5	8	101.8	1.24	1.24	0.00	0.90	15.1	13.6	UnDef	0.12
25.26	68.4	0.12	0.18	-0.5	8	101.8	1.25	1.25	0.00	0.89	16.4	14.6	UnDef	0.10
25.43	71.6	0.18	0.25	-0.4	8	101.8	1.26	1.26	0.00	0.89	17.1	15.3	UnDef	0.10
25.59	68.0	0.25	0.37	-0.3	8	101.8	1.27	1.27	0.00	0.89	16.3	14.5	UnDef	0.10
25.75	65.5	0.30	0.46	-0.3	8	101.8	1.28	1.28	0.00	0.89	15.7	13.9	UnDef	0.10
25.92	65.8	0.40	0.61	-0.1	8	101.8	1.28	1.28	0.00	0.88	15.8	13.9	UnDef	0.12
26.08	67.6	0.50	0.74	-0.2	8	101.8	1.29	1.29	0.00	0.88	16.2	14.2	UnDef	0.13
26.25	81.1	0.61	0.75	-0.2	8	101.8	1.30	1.30	0.00	0.88	19.4	17.0	UnDef	0.15
26.41	106.4	0.70	0.66	-0.2	8	101.8	1.31	1.31	0.00	0.87	25.5	22.3	UnDef	0.19
26.57	131.1	0.82	0.63	0.0	9	101.8	1.32	1.32	0.00	0.87	25.1	21.9	UnDef	0.25
26.74	150.7	0.90	0.60	-0.2	9	101.8	1.33	1.33	0.00	0.87	28.9	25.1	UnDef	0.31
26.90	166.2	0.02	0.01	-0.1	9	101.8	1.33	1.33	0.00	0.87	31.8	27.6	UnDef	0.34
27.07	169.7	0.02	0.01	0.0	9	101.8	1.34	1.34	0.00	0.86	32.5	28.1	UnDef	0.35

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4358
No: 99-315
ent: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-14
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 12:35
CPT File: 315CP14.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.01	836.7	0.39	10	9.8	0.0	9.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.9
0.33	5.0E-05	0.00	758.5	0.20	10	19.2	0.0	19.2	0.0	50	62.8	10.0	-0.23	0.0	7.7
0.49	5.0E-05	0.00	739.5	1.27	9	30.2	0.0	30.2	2.2	50	68.9	10.0	-0.41	0.0	12.1
0.66	5.0E-06	0.00	895.7	2.60	12	49.5	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.82	5.0E-05	0.00	1000.0	2.40	12	74.4	UnDef	UnDef	0.0	50	87.0	10.0	-0.56	UnDef	UnDef
0.98	5.0E-05	0.00	1000.0	2.10	12	105.4	UnDef	UnDef	0.0	50	94.2	10.0	-0.52	UnDef	UnDef
1.15	5.0E-04	0.00	1000.0	2.03	12	106.9	UnDef	UnDef	0.0	50	92.2	1.0	-0.52	UnDef	UnDef
1.31	5.0E-04	0.00	813.8	1.99	12	94.7	UnDef	UnDef	0.0	50	86.6	1.0	-0.49	UnDef	UnDef
.48	5.0E-04	0.00	623.2	1.57	9	82.2	0.0	82.2	3.9	50	80.8	1.0	-0.42	0.0	27.4
1.64	5.0E-04	0.00	529.3	1.13	9	78.1	0.0	78.1	2.5	48	77.7	1.0	-0.36	0.0	26.0
1.80	5.0E-04	0.00	545.0	1.02	9	88.8	0.0	88.8	1.9	50	80.0	1.0	-0.35	0.0	29.6
1.97	5.0E-04	0.00	612.2	0.93	9	109.3	0.0	109.3	1.2	50	84.6	1.0	-0.35	0.0	36.4
2.13	5.0E-04	0.00	555.5	1.27	9	107.8	0.0	107.8	3.0	50	83.0	1.0	-0.38	0.0	35.9
2.30	5.0E-04	0.00	474.5	1.16	9	99.5	0.0	99.5	3.0	48	79.6	1.0	-0.35	0.0	33.2
2.46	5.0E-04	0.00	371.9	0.80	9	83.8	0.0	83.8	2.0	48	73.7	1.0	-0.29	0.0	27.9
2.62	5.0E-04	0.00	306.7	0.55	9	73.9	0.0	73.9	1.2	46	69.1	1.0	-0.23	0.0	24.6
2.79	5.0E-04	0.00	265.6	1.50	9	68.2	3.8	71.9	7.0	46	65.9	1.0	-0.33	0.8	23.5
2.95	5.0E-05	0.00	221.9	1.79	9	60.4	7.8	68.2	9.3	46	61.6	10.0	-0.33	1.9	26.0
3.12	5.0E-05	0.00	178.7	1.39	9	51.5	5.7	57.2	8.7	44	56.2	10.0	-0.28	1.4	22.0
3.28	5.0E-05	0.00	143.2	0.75	9	43.6	1.6	45.2	6.3	44	50.7	10.0	-0.19	0.4	17.8
3.44	5.0E-04	0.01	121.6	0.30	9	39.0	0.0	39.0	3.6	42	46.7	1.0	-0.10	0.0	13.0
3.61	5.0E-04	0.01	121.0	0.10	9	40.7	0.0	40.7	1.5	42	47.3	1.0	-0.01	0.0	13.6
3.77	5.0E-04	0.00	138.9	0.08	9	48.8	0.0	48.8	0.7	44	51.9	1.0	0.00	0.0	16.3
3.94	5.0E-04	0.00	131.0	0.08	9	48.1	0.0	48.1	1.0	44	50.8	1.0	0.00	0.0	16.0
4.10	5.0E-04	0.00	113.1	0.31	9	43.3	0.0	43.3	4.2	42	47.2	1.0	-0.10	0.0	14.4
4.27	5.0E-04	0.00	116.3	0.46	9	46.4	0.0	46.4	5.0	42	48.6	1.0	-0.13	0.0	15.5
4.43	5.0E-05	0.00	101.5	0.69	9	42.1	4.0	46.1	8.3	42	45.3	10.0	-0.16	1.0	17.8
4.59	5.0E-05	0.00	91.4	0.79	9	39.4	5.9	45.3	9.8	42	42.9	10.0	-0.16	1.4	17.1
4.76	5.0E-04	0.00	88.8	0.49	9	39.6	0.0	39.6	5.0	42	42.5	1.0	-0.11	0.0	13.2
4.92	5.0E-05	0.00	82.5	0.61	9	38.2	4.9	43.0	9.2	42	40.9	10.0	-0.13	1.2	16.4
5.09	5.0E-05	0.00	78.2	0.52	9	37.5	4.3	41.7	8.8	42	39.9	10.0	-0.11	1.0	16.0
5.25	5.0E-04	0.00	77.9	0.45	9	38.5	0.0	38.5	5.0	40	40.3	1.0	-0.10	0.0	12.7
5.41	5.0E-04	0.00	79.4	0.19	9	40.3	0.0	40.3	5.0	42	41.3	1.0	-0.03	0.0	13.2
5.58	5.0E-04	0.00	71.3	0.31	9	36.8	0.0	36.8	5.0	40	38.7	1.0	-0.06	0.0	12.0
5.74	5.0E-05	-0.01	61.1	0.29	9	32.1	0.0	32.1	5.0	40	34.7	10.0	-0.04	0.0	12.6
5.91	5.0E-05	-0.01	61.2	0.46	9	32.6	0.0	32.6	5.0	40	35.2	10.0	-0.08	0.0	12.8
6.07	5.0E-05	0.00	65.0	0.63	9	35.1	7.4	42.4	11.5	40	37.3	10.0	-0.11	1.7	15.4
6.23	5.0E-05	0.00	59.2	0.84	9	32.5	10.6	43.1	14.2	40	35.0	10.0	-0.12	2.3	15.0
6.40	5.0E-05	0.00	64.2	1.15	7	35.6	14.4	50.0	15.8	40	37.7	10.0	-0.16	3.1	17.0
6.56	5.0E-05	0.00	64.5	1.21	7	36.3	15.4	51.6	16.2	40	38.2	10.0	-0.16	3.2	17.4
6.73	5.0E-05	0.00	62.0	1.43	7	35.3	18.7	54.0	18.0	40	37.4	10.0	-0.18	3.8	17.6
6.89	5.0E-05	0.00	60.6	1.13	7	35.0	15.0	49.9	16.2	40	37.2	10.0	-0.15	3.2	16.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4358
CPT File: 315CP14.COR

th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	62.0	1.04	7	36.1	13.7	49.9	15.3	40	38.1	10.0	-0.15	2.9	17.1
7.22	5.0E-05	0.00	59.6	0.96	9	35.2	13.0	48.2	15.1	40	37.3	10.0	-0.13	2.8	16.6
7.38	5.0E-05	0.00	57.0	1.27	7	34.1	17.8	51.9	17.9	40	36.4	10.0	-0.16	3.6	17.0
7.55	5.0E-05	0.00	59.4	1.28	7	35.9	18.0	53.8	17.5	40	37.9	10.0	-0.16	3.7	17.7
7.71	5.0E-05	0.00	57.4	1.11	7	35.1	15.9	51.0	16.7	40	37.2	10.0	-0.14	3.3	17.1
7.87	5.0E-05	0.00	59.2	0.97	7	36.5	13.9	50.4	15.3	40	38.4	10.0	-0.14	3.0	17.3
8.04	5.0E-05	0.00	58.9	0.91	9	36.7	13.2	49.9	14.9	40	38.6	10.0	-0.13	2.8	17.2
8.20	5.0E-05	0.00	55.5	1.26	7	35.0	18.9	53.8	18.1	40	37.2	10.0	-0.15	3.8	17.5
8.37	5.0E-05	0.00	54.9	1.38	7	35.0	21.0	56.0	19.0	40	37.2	10.0	-0.16	4.2	17.9
8.53	5.0E-05	0.00	58.8	1.31	7	37.8	19.6	57.4	17.8	40	39.4	10.0	-0.16	4.0	18.8
8.69	5.0E-05	0.00	62.3	1.40	7	40.4	20.8	61.2	17.7	40	41.3	10.0	-0.17	4.3	20.1
8.86	5.0E-05	0.00	58.5	1.35	7	38.3	20.6	58.9	18.1	40	39.8	10.0	-0.16	4.2	19.2
9.02	5.0E-05	0.00	63.1	1.19	7	41.7	17.8	59.5	16.2	40	42.2	10.0	-0.16	3.8	20.1
9.19	5.0E-05	0.00	54.6	1.55	7	36.5	24.9	61.3	20.2	40	38.4	10.0	-0.17	4.8	19.1
9.35	5.0E-05	0.00	54.0	1.58	7	36.4	25.7	62.1	20.5	40	38.3	10.0	-0.17	5.0	19.2
9.51	5.0E-05	0.00	49.0	1.76	7	33.4	30.0	63.4	22.7	38	35.8	6.0	-0.17	5.5	18.6
9.68	5.0E-05	0.00	45.3	1.50	7	31.2	26.2	57.3	22.1	38	33.9	6.0	-0.15	4.9	17.1
9.84	5.0E-05	0.00	41.0	1.42	7	28.5	26.0	54.6	22.9	38	31.3	6.0	-0.13	4.7	15.9
10.01	5.0E-05	0.00	42.6	1.11	7	29.8	20.2	50.0	20.1	38	32.6	6.0	-0.12	3.9	15.6
10.17	5.0E-05	0.00	43.7	1.15	7	30.8	21.0	51.8	20.2	38	33.6	6.0	-0.12	4.1	16.2
10.33	5.0E-05	0.00	49.3	1.45	7	35.0	25.4	60.3	20.7	38	37.2	6.0	-0.15	4.9	18.6
10.50	5.0E-05	0.00	50.2	1.83	7	35.9	32.5	68.5	22.8	38	37.9	10.0	-0.18	5.9	20.0
10.66	5.0E-05	0.00	49.8	1.23	7	35.9	21.8	57.8	19.2	38	37.9	6.0	-0.14	4.4	18.4
10.83	5.0E-04	0.00	61.9	0.67	9	44.8	11.0	55.8	12.4	40	44.3	1.0	-0.11	2.1	16.7
10.99	5.0E-03	0.00	69.0	0.24	9	50.3	0.0	50.3	5.0	40	47.6	1.0	-0.04	0.0	12.3
11.15	5.0E-03	0.00	77.4	0.33	9	56.7	0.0	56.7	5.0	40	51.0	1.0	-0.07	0.0	13.9
11.32	5.0E-03	0.00	76.6	0.05	9	56.5	0.0	56.5	4.2	40	50.9	1.0	0.09	0.0	13.8
11.48	5.0E-03	0.00	76.9	0.16	9	57.2	0.0	57.2	5.0	40	51.3	1.0	-0.01	0.0	14.0
11.65	5.0E-03	0.00	86.2	0.22	9	64.5	0.0	64.5	5.0	42	54.7	1.0	-0.05	0.0	15.8
31	5.0E-03	0.00	77.6	0.27	9	58.6	0.0	58.6	5.0	40	52.0	1.0	-0.05	0.0	14.3
97	5.0E-04	0.00	68.6	0.50	9	52.2	0.0	52.2	5.0	40	48.7	1.0	-0.09	0.0	17.0
12.14	5.0E-04	0.00	71.2	0.57	9	54.6	8.6	63.2	10.1	40	49.9	1.0	-0.11	1.7	19.5
12.30	5.0E-03	0.00	76.8	0.43	9	59.2	0.0	59.2	5.0	40	52.2	1.0	-0.09	0.0	14.5
12.47	5.0E-03	0.00	83.6	0.31	9	64.8	0.0	64.8	5.0	42	54.9	1.0	-0.07	0.0	15.9
12.63	5.0E-03	0.00	96.8	0.25	9	75.4	0.0	75.4	4.5	42	59.2	1.0	-0.07	0.0	18.5
12.80	5.0E-03	0.00	103.1	0.40	9	80.8	0.0	80.8	5.0	42	61.2	1.0	-0.11	0.0	19.8
12.96	5.0E-03	0.00	105.8	0.36	9	83.5	0.0	83.5	5.0	42	62.1	1.0	-0.10	0.0	20.4
13.12	5.0E-03	0.00	95.8	0.40	9	76.2	0.0	76.2	5.0	42	59.5	1.0	-0.11	0.0	18.6
13.29	5.0E-03	0.00	95.2	0.45	9	76.2	0.0	76.2	5.0	42	59.5	1.0	-0.11	0.0	18.6
13.45	5.0E-03	0.00	113.4	0.40	9	91.1	0.0	91.1	5.0	42	64.6	1.0	-0.12	0.0	22.3
13.62	5.0E-03	0.00	124.1	0.48	9	100.3	0.0	100.3	5.0	42	67.4	1.0	-0.14	0.0	24.5
13.78	5.0E-03	0.00	134.2	0.48	9	109.1	0.0	109.1	4.7	44	69.8	1.0	-0.15	0.0	26.7
13.94	5.0E-03	0.00	116.3	0.61	9	95.3	4.4	99.7	6.7	42	65.9	1.0	-0.16	0.7	24.0
14.11	5.0E-03	0.00	94.1	0.64	9	77.7	7.9	85.6	8.5	42	60.0	1.0	-0.14	1.2	20.2
14.27	5.0E-03	0.00	79.7	0.84	9	66.3	13.7	80.0	11.4	42	55.5	1.0	-0.15	1.9	18.2
14.44	5.0E-04	0.00	65.3	1.59	7	54.8	30.5	85.3	18.4	40	50.0	1.0	-0.19	5.2	23.0
14.60	5.0E-05	0.00	52.4	2.15	7	44.4	45.8	90.2	24.0	38	44.0	10.0	-0.20	8.1	25.5
14.76	5.0E-05	0.00	56.3	2.49	7	47.9	53.7	101.6	24.8	40	46.2	10.0	-0.23	9.3	28.0
14.93	5.0E-04	0.00	53.1	1.74	7	45.5	36.3	81.8	21.6	40	44.7	1.0	-0.18	5.7	20.5
15.09	5.0E-05	0.00	46.8	2.18	7	40.4	49.6	90.0	25.6	38	41.3	6.0	-0.19	8.3	24.1
15.26	5.0E-04	0.00	55.5	1.10	7	48.0	22.6	70.6	17.0	40	46.2	1.0	-0.14	3.9	19.6
15.42	5.0E-04	0.00	57.9	0.93	7	50.3	18.9	69.2	15.2	40	47.6	1.0	-0.13	3.4	19.8
15.58	5.0E-04	0.00	65.5	0.94	9	57.1	18.1	75.1	14.0	40	51.2	1.0	-0.14	3.3	21.9
15.75	5.0E-04	0.00	62.4	1.32	7	54.7	26.5	81.2	17.2	40	50.0	1.0	-0.17	4.6	22.4
15.91	5.0E-04	0.00	65.7	1.07	7	57.8	21.0	78.8	15.0	40	51.6	1.0	-0.15	3.8	22.6
16.08	5.0E-04	0.00	67.9	0.84	9	60.1	16.0	76.1	12.9	40	52.7	1.0	-0.14	3.0	22.6
16.24	5.0E-03	0.00	65.9	0.74	9	58.6	14.3	73.0	12.4	40	52.0	1.0	-0.12	2.0	16.4
16.40	5.0E-04	0.00	57.5	1.48	7	51.5	31.3	82.9	19.2	40	48.3	1.0	-0.17	5.2	22.0
16.57	5.0E-05	0.00	51.2	1.91	7	46.2	43.0	89.2	23.0	38	45.2	10.0	-0.19	7.8	25.9
16.73	5.0E-05	0.00	46.2	1.78	7	42.0	41.5	83.5	23.6	38	42.4	6.0	-0.17	7.4	23.9
90	5.0E-05	0.00	40.3	1.85	7	36.9	46.2	83.1	25.8	38	38.7	6.0	-0.16	7.7	22.1
06	5.0E-05	0.00	37.6	1.87	7	34.7	48.7	83.3	26.9	38	36.9	6.0	-0.15	7.8	21.4
17.22	5.0E-05	0.00	32.7	1.76	7	30.4	49.8	80.2	28.2	36	33.2	6.0	-0.13	7.6	19.5
17.39	5.0E-05	0.01	32.3	1.59	7	30.2	44.5	74.7	27.3	36	32.9	6.0	-0.12	7.0	18.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4358
CPT File: 315CP14.COR

th (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.01	38.2	1.21	7	35.7	30.7	66.4	22.3	38	37.7	1.0	-0.11	4.7	16.4
17.72	5.0E-04	0.00	41.0	1.12	7	38.4	27.7	66.1	20.7	38	39.9	1.0	-0.11	4.5	17.0
17.88	5.0E-04	0.00	44.9	0.78	7	42.2	19.4	61.6	16.8	38	42.6	1.0	-0.09	3.4	17.2
18.04	5.0E-03	0.00	48.4	0.49	9	45.6	0.0	45.6	5.0	38	44.8	1.0	-0.06	0.0	11.2
18.21	5.0E-03	0.00	50.8	0.48	9	48.1	0.0	48.1	5.0	38	46.3	1.0	-0.06	0.0	11.8
18.37	5.0E-03	0.00	52.3	0.51	9	49.7	12.3	62.0	12.4	38	47.2	1.0	-0.07	1.7	13.9
18.54	5.0E-03	0.00	54.7	0.54	9	52.2	12.7	64.9	12.3	40	48.6	1.0	-0.08	1.8	14.5
18.70	5.0E-03	0.00	57.7	0.28	9	55.3	0.0	55.3	5.0	40	50.3	1.0	-0.03	0.0	13.5
18.86	5.0E-03	0.00	54.5	0.26	9	52.5	0.0	52.5	5.0	40	48.8	1.0	-0.02	0.0	12.8
19.03	5.0E-03	0.00	52.9	0.22	9	51.2	0.0	51.2	5.0	40	48.1	1.0	-0.01	0.0	12.5
19.19	5.0E-03	0.00	52.9	0.46	9	51.4	0.0	51.4	5.0	40	48.2	1.0	-0.06	0.0	12.6
19.36	5.0E-03	0.00	52.9	0.47	9	51.6	0.0	51.6	5.0	40	48.3	1.0	-0.07	0.0	12.6
19.52	5.0E-04	0.00	47.3	0.61	9	46.5	16.0	62.5	14.6	38	45.3	1.0	-0.08	2.9	18.1
19.68	5.0E-04	0.00	46.4	0.64	9	45.8	16.9	62.7	15.1	38	44.9	1.0	-0.08	3.0	18.0
19.85	5.0E-04	0.00	43.2	0.87	7	42.9	22.9	65.8	18.0	38	43.0	1.0	-0.10	3.9	17.9
20.01	5.0E-04	0.00	40.2	0.91	7	40.1	24.5	64.6	19.2	38	41.1	1.0	-0.09	4.1	17.2
20.18	5.0E-04	0.00	35.7	1.35	7	35.8	37.9	73.8	24.3	38	37.9	1.0	-0.12	5.5	17.2
20.34	5.0E-05	0.00	32.3	1.51	7	32.7	45.4	78.1	26.8	36	35.2	6.0	-0.11	7.3	20.1
20.51	5.0E-05	0.00	31.4	1.67	7	31.9	52.3	84.2	28.3	36	34.5	6.0	-0.12	7.9	20.4
20.67	5.0E-05	0.01	33.1	1.63	7	33.8	49.1	82.9	27.2	36	36.2	6.0	-0.12	7.8	21.0
20.83	5.0E-05	0.01	29.0	1.78	7	29.8	61.1	90.9	30.2	36	32.6	6.0	-0.12	8.5	20.1
21.00	5.0E-05	0.02	26.7	1.74	7	27.6	64.3	91.9	31.2	36	30.4	6.0	-0.11	8.4	19.2
21.16	5.0E-05	0.02	25.6	1.57	7	26.7	58.4	85.0	30.7	34	30.0	6.0	-0.09	7.9	18.3
21.33	5.0E-05	0.03	25.9	1.36	7	27.0	48.4	75.4	29.0	34	30.0	6.0	-0.08	7.1	17.7
21.49	5.0E-05	0.03	25.0	1.39	7	26.3	51.6	77.9	29.8	34	30.0	6.0	-0.08	7.3	17.6
21.65	5.0E-05	0.03	25.6	1.32	7	26.9	47.3	74.3	28.9	34	30.0	6.0	-0.08	7.0	17.5
21.82	5.0E-05	0.03	25.6	1.56	7	27.0	59.0	86.0	30.7	34	30.0	6.0	-0.09	7.9	18.5
21.98	5.0E-05	0.01	24.4	1.59	7	25.9	63.7	89.6	31.6	34	30.0	6.0	-0.09	8.1	18.3
[illegible].15	5.0E-04	0.02	31.3	0.73	7	33.0	24.2	57.2	20.8	36	35.5	1.0	-0.05	3.9	14.7
[illegible]31	5.0E-04	0.00	33.0	1.02	7	35.0	31.4	66.4	22.7	36	37.2	1.0	-0.08	4.8	16.2
[illegible]47	5.0E-04	0.00	34.8	1.22	7	36.9	36.5	73.4	23.6	36	38.7	1.0	-0.10	5.4	17.5
22.64	5.0E-05	0.00	32.5	1.84	7	34.7	60.7	95.4	28.8	36	37.0	6.0	-0.13	9.0	22.6
22.80	5.0E-05	0.00	32.3	1.90	7	34.6	63.6	98.2	29.3	36	36.9	6.0	-0.14	9.2	22.8
22.97	5.0E-04	0.00	33.8	1.62	7	36.3	50.7	87.0	26.8	36	38.2	1.0	-0.13	6.8	18.6
23.13	5.0E-04	0.00	34.0	1.65	7	36.6	51.9	88.5	27.0	36	38.5	1.0	-0.13	6.9	18.9
23.29	5.0E-04	0.00	34.3	1.75	7	37.1	55.6	92.7	27.5	36	38.8	1.0	-0.13	7.3	19.4
23.46	5.0E-05	0.00	33.3	1.92	7	36.1	64.1	100.2	28.9	36	38.1	6.0	-0.14	9.4	23.6
23.62	5.0E-04	0.00	35.0	1.62	7	38.0	50.5	88.5	26.4	38	39.6	1.0	-0.13	6.9	19.3
23.79	5.0E-04	0.00	42.0	0.93	7	45.6	26.9	72.6	18.9	38	44.8	1.0	-0.10	4.5	19.4
23.95	5.0E-04	0.00	42.4	0.90	7	46.3	25.9	72.2	18.5	38	45.2	1.0	-0.10	4.4	19.5
24.11	5.0E-03	0.00	43.7	0.75	7	47.8	22.0	69.8	16.8	38	46.1	1.0	-0.09	2.9	14.6
24.28	5.0E-03	0.00	47.6	0.75	7	52.2	21.3	73.4	15.8	38	48.6	1.0	-0.09	2.8	15.6
24.44	5.0E-03	0.00	49.4	0.72	9	54.3	20.2	74.4	15.1	38	49.8	1.0	-0.09	2.7	16.0
24.61	5.0E-04	0.00	47.4	1.16	7	52.2	32.1	84.3	19.3	38	48.7	1.0	-0.13	5.3	22.4
24.77	5.0E-04	0.00	46.5	1.81	7	51.5	51.2	102.7	23.7	38	48.2	1.0	-0.17	7.6	24.4
24.93	5.0E-04	0.00	45.5	1.59	7	50.5	45.0	95.5	22.6	38	47.7	1.0	-0.15	6.9	23.4
25.10	5.0E-03	0.00	49.9	0.70	9	55.5	19.7	75.2	14.8	38	50.4	1.0	-0.09	2.7	16.2
25.26	5.0E-03	0.00	53.6	0.18	9	59.8	0.0	59.8	5.0	40	52.5	1.0	0.01	0.0	14.6
25.43	5.0E-03	0.00	55.9	0.26	9	62.4	0.0	62.4	5.0	40	53.8	1.0	-0.02	0.0	15.3
25.59	5.0E-03	0.00	52.7	0.38	9	59.1	0.0	59.1	5.0	38	52.2	1.0	-0.05	0.0	14.5
25.75	5.0E-03	0.00	50.4	0.47	9	56.8	0.0	56.8	5.0	38	51.1	1.0	-0.06	0.0	13.9
25.92	5.0E-03	0.00	50.2	0.62	9	56.8	18.0	74.8	14.0	38	51.1	1.0	-0.08	2.5	16.4
26.08	5.0E-03	0.00	51.3	0.76	9	58.2	21.4	79.5	15.1	38	51.7	1.0	-0.10	2.9	17.1
26.25	5.0E-03	0.00	61.4	0.77	9	69.6	19.8	89.4	13.3	40	56.9	1.0	-0.12	2.7	19.8
26.41	5.0E-03	0.00	80.3	0.67	9	91.0	13.9	104.9	10.0	42	64.6	1.0	-0.13	2.0	24.3
26.57	5.0E-02	0.00	98.5	0.63	9	111.8	9.8	121.6	8.0	42	70.5	1.0	-0.15	1.2	23.0
26.74	5.0E-02	0.00	112.6	0.60	9	128.1	6.5	134.6	6.8	42	74.4	1.0	-0.15	0.8	25.8
26.90	5.0E-02	0.00	123.6	0.01	10	140.8	0.0	140.8	3.5	42	77.1	1.0	0.16	0.0	27.6
27.07	5.0E-02	0.00	125.4	0.01	10	143.3	0.0	143.3	3.4	44	77.6	1.0	0.16	0.0	28.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4397
No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-15
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 13:11
CPT File: 315CP15.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	6.7	0.09	1.34	1.0	5	85.3	0.01	0.01	0.00	2.00	3.2	6.4	0.54	0.00
0.33	6.4	0.10	1.57	-0.2	5	85.3	0.01	0.01	0.00	2.00	3.1	6.1	0.51	0.00
0.49	9.1	0.08	0.88	-0.8	5	85.3	0.02	0.02	0.00	2.00	4.3	8.7	0.72	0.00
0.66	6.3	0.07	1.11	-0.1	5	85.3	0.03	0.03	0.00	2.00	3.0	6.1	0.50	0.00
0.82	7.7	0.03	0.39	0.1	1	74.5	0.03	0.03	0.00	2.00	3.7	7.4	0.62	0.00
0.98	10.9	0.02	0.18	0.1	6	98.7	0.04	0.04	0.00	2.00	4.2	8.3	0.87	0.00
1.15	10.8	0.03	0.28	0.1	6	98.7	0.05	0.05	0.00	2.00	4.1	8.3	0.86	0.00
31	10.1	0.03	0.30	0.5	6	98.7	0.06	0.06	0.00	2.00	3.9	7.7	0.80	0.00
48	10.5	0.05	0.48	0.5	6	98.7	0.07	0.07	0.00	2.00	4.0	8.1	0.84	0.00
1.64	12.1	0.07	0.58	0.6	6	98.7	0.07	0.07	0.00	2.00	4.7	9.3	0.97	0.00
1.80	19.4	0.18	0.93	0.5	6	98.7	0.08	0.08	0.00	2.00	7.4	14.8	1.54	0.08
1.97	24.0	0.32	1.34	0.6	6	98.7	0.09	0.09	0.00	2.00	9.2	18.4	1.91	0.09
2.13	30.0	0.44	1.47	0.7	6	98.7	0.10	0.10	0.00	2.00	11.5	23.0	2.39	0.10
2.30	31.9	0.52	1.64	0.4	6	98.7	0.11	0.11	0.00	2.00	12.2	24.4	2.54	0.10
2.46	29.7	0.59	1.99	0.3	6	98.7	0.11	0.11	0.00	2.00	11.4	22.8	2.37	0.10
2.62	25.6	0.67	2.62	0.7	5	85.3	0.12	0.12	0.00	2.00	12.3	24.5	2.04	0.10
2.79	21.6	0.58	2.69	0.3	5	85.3	0.13	0.13	0.00	2.00	10.3	20.7	1.72	0.10
2.95	17.2	0.46	2.67	-1.6	5	85.3	0.14	0.14	0.00	2.00	8.3	16.5	1.37	0.09
3.12	12.2	0.30	2.47	-1.2	5	85.3	0.14	0.14	0.00	2.00	5.8	11.7	0.96	0.09
3.28	9.6	0.19	1.99	-0.9	5	85.3	0.15	0.15	0.00	2.00	4.6	9.2	0.75	0.08
3.44	7.5	0.15	1.99	-0.1	5	85.3	0.16	0.16	0.00	2.00	3.6	7.2	0.59	0.08
3.61	8.1	0.18	2.24	2.1	4	79.6	0.16	0.16	0.00	2.00	5.1	10.3	0.63	0.08
3.77	9.6	0.17	1.77	4.7	5	85.3	0.17	0.17	0.00	2.00	4.6	9.2	0.75	0.08
3.94	7.9	0.18	2.27	5.0	4	79.6	0.18	0.18	0.00	2.00	5.1	10.1	0.62	0.08
4.10	8.1	0.15	1.87	1.6	5	85.3	0.18	0.18	0.00	2.00	3.9	7.7	0.63	0.08
4.27	9.8	0.12	1.23	-0.1	5	85.3	0.19	0.19	0.00	2.00	4.7	9.4	0.77	0.08
4.43	10.9	0.16	1.47	-1.7	5	85.3	0.20	0.20	0.00	2.00	5.2	10.5	0.86	0.08
4.59	12.0	0.21	1.75	-4.4	5	85.3	0.21	0.21	0.00	2.00	5.8	11.5	0.95	0.09
4.76	11.9	0.25	2.11	-4.9	5	85.3	0.21	0.21	0.00	2.00	5.7	11.4	0.93	0.09
4.92	13.0	0.24	1.85	-3.9	5	85.3	0.22	0.22	0.00	2.00	6.2	12.5	1.02	0.09
5.09	11.4	0.25	2.21	-2.5	5	85.3	0.23	0.23	0.00	2.00	5.4	10.9	0.89	0.09
5.25	14.0	0.30	2.14	-2.4	5	85.3	0.23	0.23	0.00	2.00	6.7	13.4	1.10	0.09
5.41	14.2	0.32	2.26	-1.6	5	85.3	0.24	0.24	0.00	2.00	6.8	13.6	1.11	0.09
5.58	11.9	0.32	2.70	-3.1	5	85.3	0.25	0.25	0.00	2.00	5.7	11.4	0.93	0.10
5.74	12.7	0.34	2.68	-2.3	5	85.3	0.25	0.25	0.00	1.98	6.1	12.1	1.00	0.10
5.91	15.8	0.53	3.36	-0.9	4	79.6	0.26	0.26	0.00	1.96	10.1	19.8	1.25	0.12
6.07	15.9	0.57	3.59	2.1	4	79.6	0.27	0.27	0.00	1.93	10.2	19.7	1.25	0.14
6.23	17.4	0.50	2.88	-3.8	5	85.3	0.27	0.27	0.00	1.91	8.3	15.9	1.37	0.11
40	15.8	0.42	2.66	-4.3	5	85.3	0.28	0.28	0.00	1.89	7.6	14.3	1.24	0.11
56	15.4	0.36	2.35	-3.1	5	85.3	0.29	0.29	0.00	1.86	7.4	13.7	1.21	0.10
6.73	15.9	0.34	2.14	-0.9	5	85.3	0.30	0.30	0.00	1.84	7.6	14.0	1.25	0.10
6.89	14.9	0.33	2.22	-0.1	5	85.3	0.30	0.30	0.00	1.82	7.1	13.0	1.17	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4397
CPT File: 315CP15.COR

)th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	14.3	0.40	2.80	-0.1	5	85.3	0.31	0.31	0.00	1.80	6.8	12.3	1.12	0.11
7.22	14.3	0.42	2.95	2.1	5	85.3	0.32	0.32	0.00	1.78	6.8	12.1	1.12	0.12
7.38	16.2	0.48	2.97	7.4	5	85.3	0.32	0.32	0.00	1.76	7.8	13.6	1.27	0.12
7.55	17.3	0.46	2.66	3.2	5	85.3	0.33	0.33	0.00	1.74	8.3	14.4	1.36	0.11
7.71	17.3	0.48	2.78	2.7	5	85.3	0.34	0.34	0.00	1.72	8.3	14.3	1.36	0.12
7.87	19.9	0.45	2.27	3.9	6	98.7	0.34	0.34	0.00	1.70	7.6	13.0	1.56	0.11
8.04	20.1	0.43	2.14	9.7	6	98.7	0.35	0.35	0.00	1.68	7.7	13.0	1.58	0.11
8.20	20.4	0.42	2.06	16.8	6	98.7	0.36	0.36	0.00	1.67	7.8	13.0	1.60	0.10
8.37	21.2	0.42	1.99	21.4	6	98.7	0.37	0.37	0.00	1.65	8.1	13.4	1.66	0.10
8.53	22.3	0.43	1.93	25.6	6	98.7	0.38	0.38	0.00	1.63	8.5	13.9	1.75	0.10
8.69	20.2	0.39	1.94	27.3	6	98.7	0.39	0.39	0.00	1.61	7.7	12.5	1.58	0.10
8.86	19.5	0.36	1.85	31.4	6	98.7	0.39	0.39	0.00	1.60	7.5	11.9	1.53	0.10
9.02	18.4	0.35	1.90	35.3	6	98.7	0.40	0.40	0.00	1.58	7.1	11.2	1.44	0.10
9.19	19.2	0.66	3.45	34.5	4	79.6	0.41	0.41	0.00	1.56	12.3	19.2	1.50	0.19
9.35	21.1	0.63	2.99	38.1	5	85.3	0.42	0.42	0.00	1.55	10.1	15.7	1.66	0.14
9.51	24.2	0.58	2.40	12.2	6	98.7	0.42	0.42	0.00	1.54	9.3	14.3	1.90	0.12
9.68	21.1	0.50	2.38	15.4	6	98.7	0.43	0.43	0.00	1.52	8.1	12.3	1.65	0.12
9.84	19.2	0.42	2.19	20.5	6	98.7	0.44	0.44	0.00	1.51	7.4	11.1	1.50	0.11
10.01	18.3	0.36	1.97	23.6	6	98.7	0.45	0.45	0.00	1.50	7.0	10.5	1.43	0.11
10.17	17.4	0.34	1.96	25.9	6	98.7	0.46	0.46	0.00	1.48	6.7	9.9	1.35	0.11
10.33	17.6	0.35	1.99	23.1	6	98.7	0.46	0.46	0.00	1.47	6.7	9.9	1.37	0.11
10.50	17.9	0.33	1.85	19.8	6	98.7	0.47	0.47	0.00	1.46	6.9	10.0	1.40	0.10
10.66	18.0	0.35	1.95	20.1	6	98.7	0.48	0.48	0.00	1.44	6.9	9.9	1.40	0.11
10.83	18.5	0.36	1.95	23.7	6	98.7	0.49	0.49	0.00	1.43	7.1	10.2	1.44	0.11
10.99	19.2	0.44	2.30	24.9	5	85.3	0.50	0.50	0.00	1.42	9.2	13.0	1.49	0.12
11.15	19.4	0.53	2.74	29.3	5	85.3	0.50	0.50	0.00	1.41	9.3	13.1	1.51	0.16
11.32	21.4	0.51	2.39	25.1	6	98.7	0.51	0.51	0.00	1.40	8.2	11.5	1.67	0.13
11.48	30.3	0.44	1.45	10.1	6	98.7	0.52	0.52	0.00	1.39	11.6	16.1	2.39	0.11
11.65	32.4	0.36	1.11	-1.5	7	98.7	0.53	0.53	0.00	1.38	10.4	14.3	UnDef	0.10
81	43.5	0.35	0.81	-1.6	7	98.7	0.53	0.53	0.00	1.37	13.9	19.0	UnDef	0.11
.97	42.4	0.46	1.09	-1.6	7	98.7	0.54	0.54	0.00	1.36	13.5	18.4	UnDef	0.12
12.14	43.8	0.56	1.28	-1.2	7	98.7	0.55	0.55	0.00	1.35	14.0	18.8	UnDef	0.12
12.30	47.8	0.59	1.24	-1.2	7	98.7	0.56	0.56	0.00	1.34	15.3	20.4	UnDef	0.13
12.47	50.8	0.72	1.42	-0.8	7	98.7	0.57	0.57	0.00	1.33	16.2	21.5	UnDef	0.14
12.63	50.2	0.60	1.20	-1.7	7	98.7	0.57	0.57	0.00	1.32	16.0	21.1	UnDef	0.13
12.80	48.7	0.51	1.05	-0.5	7	98.7	0.58	0.58	0.00	1.31	15.5	20.4	UnDef	0.13
12.96	51.0	0.48	0.94	-0.6	7	98.7	0.59	0.59	0.00	1.30	16.3	21.2	UnDef	0.13
13.12	50.7	0.50	0.99	-0.6	7	98.7	0.60	0.60	0.00	1.29	16.2	20.9	UnDef	0.13
13.29	48.4	0.52	1.08	-0.5	7	98.7	0.61	0.61	0.00	1.28	15.4	19.8	UnDef	0.12
13.45	46.3	0.53	1.15	-0.7	7	98.7	0.61	0.61	0.00	1.28	14.8	18.9	UnDef	0.12
13.62	46.6	0.53	1.14	-0.6	7	98.7	0.62	0.62	0.00	1.27	14.9	18.9	UnDef	0.12
13.78	48.5	0.56	1.16	-0.6	7	98.7	0.63	0.63	0.00	1.26	15.5	19.5	UnDef	0.13
13.94	49.5	0.57	1.15	-0.5	7	98.7	0.64	0.64	0.00	1.25	15.8	19.8	UnDef	0.13
14.11	50.6	0.57	1.13	-0.6	7	98.7	0.65	0.65	0.00	1.24	16.1	20.1	UnDef	0.13
14.27	48.9	0.62	1.27	-0.6	7	98.7	0.66	0.66	0.00	1.24	15.6	19.3	UnDef	0.13
14.44	54.0	0.70	1.30	-0.7	7	98.7	0.66	0.66	0.00	1.23	17.2	21.2	UnDef	0.14
14.60	54.9	0.74	1.35	-0.9	7	98.7	0.67	0.67	0.00	1.22	17.5	21.4	UnDef	0.15
14.76	55.4	0.69	1.25	-0.7	7	98.7	0.68	0.68	0.00	1.21	17.7	21.4	UnDef	0.14
14.93	54.6	0.68	1.25	-0.9	7	98.7	0.69	0.69	0.00	1.21	17.4	21.0	UnDef	0.14
15.09	48.5	0.64	1.32	-0.3	7	98.7	0.70	0.70	0.00	1.20	15.5	18.6	UnDef	0.13
15.26	42.6	0.74	1.74	-0.7	7	98.7	0.70	0.70	0.00	1.19	13.6	16.2	UnDef	0.14
15.42	39.2	0.85	2.18	-0.6	6	98.7	0.71	0.71	0.00	1.19	15.0	17.8	3.08	0.15
15.58	38.1	0.93	2.44	0.3	6	98.7	0.72	0.72	0.00	1.18	14.6	17.2	2.99	0.17
15.75	39.6	1.12	2.84	-1.0	6	98.7	0.73	0.73	0.00	1.17	15.2	17.8	3.11	0.21
15.91	34.6	1.05	3.04	1.9	5	85.3	0.74	0.74	0.00	1.17	16.6	19.3	2.71	0.24
16.08	40.8	1.01	2.48	6.5	6	98.7	0.74	0.74	0.00	1.16	15.6	18.1	3.20	0.18
16.24	40.3	0.95	2.36	7.3	6	98.7	0.75	0.75	0.00	1.15	15.5	17.8	3.17	0.17
16.40	48.6	0.94	1.94	8.1	7	98.7	0.76	0.76	0.00	1.15	15.5	17.8	UnDef	0.16
16.57	52.8	0.85	1.61	0.5	7	98.7	0.77	0.77	0.00	1.14	16.8	19.2	UnDef	0.15
16.73	56.6	0.79	1.40	-0.3	7	98.7	0.78	0.78	0.00	1.14	18.1	20.5	UnDef	0.15
90	48.7	0.83	1.71	-0.9	7	98.7	0.78	0.78	0.00	1.13	15.6	17.6	UnDef	0.15
06	38.5	0.78	2.03	-0.8	6	98.7	0.79	0.79	0.00	1.12	14.8	16.6	3.02	0.15
.22	40.3	0.92	2.29	0.9	6	98.7	0.80	0.80	0.00	1.12	15.4	17.2	3.16	0.17
17.39	39.4	0.97	2.47	-0.4	6	98.7	0.81	0.81	0.00	1.11	15.1	16.8	3.09	0.19

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP15.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	33.4	1.01	3.03	1.9	5	85.3	0.82	0.82	0.00	1.11	16.0	17.7	2.61	0.30
17.72	31.6	0.94	2.98	4.1	5	85.3	0.82	0.82	0.00	1.10	15.1	16.7	2.47	0.31
17.88	33.4	0.93	2.79	5.8	6	98.7	0.83	0.83	0.00	1.10	12.8	14.1	2.61	0.25
18.04	34.0	0.91	2.69	7.7	6	98.7	0.84	0.84	0.00	1.09	13.0	14.2	2.65	0.23
18.21	31.0	0.83	2.69	9.2	6	98.7	0.85	0.85	0.00	1.09	11.9	12.9	2.41	0.25
18.37	27.1	0.79	2.92	10.5	5	85.3	0.85	0.85	0.00	1.08	13.0	14.0	2.10	0.35
18.54	28.4	0.75	2.65	11.7	6	98.7	0.86	0.86	0.00	1.08	10.9	11.7	2.20	0.29
18.70	31.6	0.81	2.57	12.6	6	98.7	0.87	0.87	0.00	1.07	12.1	13.0	2.45	0.23
18.86	34.2	0.87	2.55	13.7	6	98.7	0.88	0.88	0.00	1.07	13.1	14.0	2.66	0.22
19.03	34.3	0.98	2.86	11.6	5	85.3	0.89	0.89	0.00	1.06	16.4	17.5	2.67	0.29
19.19	37.5	0.71	1.90	7.2	6	98.7	0.89	0.89	0.00	1.06	14.4	15.2	2.93	0.15
19.36	39.0	0.68	1.75	-0.6	6	98.7	0.90	0.90	0.00	1.05	14.9	15.7	3.04	0.14
19.52	40.6	0.69	1.71	-0.7	7	98.7	0.91	0.91	0.00	1.05	12.9	13.6	UnDef	0.14
19.68	39.8	0.81	2.04	0.2	6	98.7	0.92	0.92	0.00	1.04	15.2	15.9	3.11	0.16
19.85	40.1	0.82	2.05	0.2	6	98.7	0.92	0.92	0.00	1.04	15.4	16.0	3.14	0.16
20.01	39.2	0.74	1.89	-0.6	6	98.7	0.93	0.93	0.00	1.04	15.0	15.6	3.06	0.15
20.18	40.4	0.77	1.91	-0.4	6	98.7	0.94	0.94	0.00	1.03	15.5	16.0	3.16	0.15
20.34	41.8	0.69	1.65	-0.3	7	98.7	0.95	0.95	0.00	1.03	13.4	13.7	UnDef	0.14
20.51	44.2	0.69	1.56	0.6	7	98.7	0.96	0.96	0.00	1.02	14.1	14.4	UnDef	0.14
20.67	45.6	0.60	1.32	-0.3	7	98.7	0.97	0.97	0.00	1.02	14.6	14.8	UnDef	0.13
20.83	40.7	0.56	1.38	-0.4	7	98.7	0.97	0.97	0.00	1.01	13.0	13.2	UnDef	0.12
21.00	37.2	0.60	1.62	-0.5	7	98.7	0.98	0.98	0.00	1.01	11.9	12.0	UnDef	0.13
21.16	33.9	0.65	1.92	-0.7	6	98.7	0.99	0.99	0.00	1.01	13.0	13.1	2.63	0.16
21.33	31.1	0.70	2.26	0.2	6	98.7	1.00	1.00	0.00	1.00	11.9	11.9	2.41	0.23
21.49	30.2	0.74	2.45	5.1	6	98.7	1.01	1.01	0.00	1.00	11.6	11.5	2.34	0.33
21.65	30.5	0.71	2.34	10.1	6	98.7	1.01	1.01	0.00	0.99	11.7	11.6	2.35	0.28
21.82	29.6	0.71	2.41	14.7	6	98.7	1.02	1.02	0.00	0.99	11.3	11.2	2.28	0.34
21.98	28.1	0.67	2.39	18.1	6	98.7	1.03	1.03	0.00	0.99	10.7	10.6	2.16	0.31
[illegible].15	27.2	0.64	2.36	20.5	6	98.7	1.04	1.04	0.00	0.98	10.4	10.2	2.10	0.29
[illegible]31	28.6	1.29	4.52	22.8	3	74.5	1.05	1.05	0.00	0.98	27.4	26.8	2.20	0.00
[illegible].47	28.5	1.17	4.11	25.5	4	79.6	1.05	1.05	0.00	0.98	18.2	17.8	2.20	0.32
22.64	34.3	1.03	3.01	15.5	5	85.3	1.06	1.06	0.00	0.97	16.4	16.0	2.66	0.00
22.80	31.0	0.86	2.78	17.0	5	85.3	1.07	1.07	0.00	0.97	14.8	14.4	2.39	0.37
22.97	30.4	0.75	2.47	20.6	6	98.7	1.07	1.07	0.00	0.97	11.6	11.2	2.34	0.35
23.13	25.1	0.63	2.52	20.6	6	98.7	1.08	1.08	0.00	0.96	9.6	9.2	1.92	0.23
23.29	29.2	0.63	2.16	21.8	6	98.7	1.09	1.09	0.00	0.96	11.2	10.7	2.25	0.31
23.46	33.5	0.69	2.06	15.8	6	98.7	1.10	1.10	0.00	0.95	12.9	12.3	2.60	0.21
23.62	36.1	0.79	2.20	10.4	6	98.7	1.11	1.11	0.00	0.95	13.8	13.1	2.80	0.23
23.79	35.1	0.81	2.31	14.0	6	98.7	1.11	1.11	0.00	0.95	13.5	12.8	2.72	0.27
23.95	37.5	0.90	2.41	13.8	6	98.7	1.12	1.12	0.00	0.94	14.4	13.6	2.91	0.28
24.11	37.3	0.90	2.42	5.5	6	98.7	1.13	1.13	0.00	0.94	14.3	13.5	2.90	0.29
24.28	37.5	0.85	2.27	6.3	6	98.7	1.14	1.14	0.00	0.94	14.3	13.5	2.91	0.25
24.44	36.8	0.89	2.42	4.5	6	98.7	1.15	1.15	0.00	0.93	14.1	13.2	2.85	0.31
24.61	37.8	0.95	2.52	5.1	6	98.7	1.15	1.15	0.00	0.93	14.5	13.5	2.94	0.34
24.77	39.8	0.91	2.29	6.0	6	98.7	1.16	1.16	0.00	0.93	15.2	14.1	3.09	0.25
24.93	43.9	0.91	2.08	5.4	6	98.7	1.17	1.17	0.00	0.92	16.8	15.5	3.41	0.20
25.10	44.8	0.85	1.90	0.9	6	98.7	1.18	1.18	0.00	0.92	17.2	15.8	3.49	0.18
25.26	46.2	0.94	2.04	-0.8	6	98.7	1.19	1.19	0.00	0.92	17.7	16.2	3.60	0.20
25.43	53.8	1.05	1.95	-0.9	7	98.7	1.19	1.19	0.00	0.92	17.2	15.7	UnDef	0.19
25.59	68.5	1.24	1.81	-0.5	7	98.7	1.20	1.20	0.00	0.91	21.9	20.0	UnDef	0.20
25.75	69.4	1.08	1.56	-0.9	7	98.7	1.21	1.21	0.00	0.91	22.2	20.1	UnDef	0.18
25.92	69.2	0.87	1.26	-0.6	7	98.7	1.22	1.22	0.00	0.91	22.1	20.0	UnDef	0.16
26.08	72.2	0.84	1.17	-0.3	8	101.8	1.23	1.23	0.00	0.90	17.3	15.6	UnDef	0.16
26.25	71.7	1.09	1.52	-0.5	7	98.7	1.24	1.24	0.00	0.90	22.9	20.6	UnDef	0.18
26.41	65.9	1.45	2.21	-0.5	7	98.7	1.24	1.24	0.00	0.90	21.0	18.9	UnDef	0.25
26.57	59.6	1.51	2.54	0.0	6	98.7	1.25	1.25	0.00	0.89	22.8	20.4	4.67	0.30
26.74	54.6	1.41	2.59	-0.6	6	98.7	1.26	1.26	0.00	0.89	20.9	18.6	4.27	0.31
26.90	54.7	1.25	2.29	-1.1	6	98.7	1.27	1.27	0.00	0.89	20.9	18.6	4.27	0.25
27.07	54.2	1.30	2.40	-0.9	6	98.7	1.28	1.28	0.00	0.89	20.8	18.4	4.24	0.27
27.23	51.6	1.33	2.58	-0.8	6	98.7	1.28	1.28	0.00	0.88	19.8	17.5	4.03	0.33
[illegible].39	59.9	1.12	1.88	-0.6	7	98.7	1.29	1.29	0.00	0.88	19.1	16.8	UnDef	0.20
[illegible]56	76.3	0.99	1.30	-0.8	7	98.7	1.30	1.30	0.00	0.88	24.3	21.4	UnDef	0.17
[illegible].72	94.8	0.92	0.97	-0.7	8	101.8	1.31	1.31	0.00	0.87	22.7	19.8	UnDef	0.19
27.89	127.5	1.05	0.83	-0.4	9	101.8	1.32	1.32	0.00	0.87	24.4	21.3	UnDef	0.26

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4397
CPT File: 315CP15.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	156.8	0.02	0.01	-0.3	9	101.8	1.32	1.32	0.00	0.87	30.0	26.1	UnDef	0.30
28.21	173.6	0.02	0.01	-0.2	9	101.8	1.33	1.33	0.00	0.87	33.2	28.8	UnDef	0.38

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4397
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-15
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 13:11
CPT File: 315CP15.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-06	0.00	958.2	1.35	9	12.9	0.0	12.9	2.0	UnDef	UnDef	10.0	UnDef	0.0	6.4
0.33	5.0E-06	0.00	455.3	1.57	9	12.2	0.0	12.2	4.9	UnDef	UnDef	10.0	UnDef	0.0	6.1
0.49	5.0E-06	0.00	431.1	0.89	9	17.4	0.0	17.4	2.0	UnDef	UnDef	10.0	UnDef	0.0	8.7
0.66	5.0E-06	0.00	225.0	1.11	9	12.1	0.3	12.4	5.9	UnDef	UnDef	10.0	UnDef	0.1	6.2
0.82	1.7E-07	0.00	222.8	0.39	9	14.8	0.0	14.8	1.3	UnDef	UnDef	10.0	UnDef	0.0	7.4
0.98	5.0E-05	0.00	259.7	0.19	10	20.8	0.0	20.8	0.0	46	48.6	10.0	-0.13	0.0	8.3
1.15	5.0E-05	0.00	216.1	0.28	10	20.7	0.0	20.7	0.6	46	45.9	10.0	-0.15	0.0	8.3
1.31	5.0E-05	0.00	173.6	0.30	9	19.3	0.0	19.3	1.7	44	41.8	10.0	-0.13	0.0	7.7
48	5.0E-05	0.00	158.9	0.48	9	20.2	0.0	20.2	3.7	44	41.1	10.0	-0.16	0.0	8.1
.64	5.0E-05	0.00	163.1	0.58	9	23.3	0.0	23.3	4.3	44	43.5	10.0	-0.18	0.0	9.3
1.80	5.0E-05	0.00	234.8	0.94	9	37.1	0.0	37.1	4.7	46	55.4	10.0	-0.26	0.0	14.8
1.97	5.0E-05	0.00	265.3	1.34	9	46.0	1.6	47.6	6.2	46	60.3	10.0	-0.31	0.4	18.8
2.13	5.0E-05	0.00	304.5	1.47	9	57.5	1.9	59.4	6.2	46	65.4	10.0	-0.34	0.5	23.5
2.30	5.0E-05	0.00	298.7	1.64	9	61.1	3.5	64.5	7.0	46	66.0	10.0	-0.35	0.8	25.3
2.46	5.0E-05	0.00	258.5	2.00	9	56.9	7.3	64.2	9.3	46	62.9	10.0	-0.37	1.8	24.5
2.62	5.0E-06	0.00	208.9	2.63	7	49.1	13.4	62.5	13.0	UnDef	UnDef	10.0	UnDef	3.8	28.3
2.79	5.0E-06	0.00	166.4	2.71	7	41.4	15.0	56.4	15.0	UnDef	UnDef	10.0	UnDef	4.1	24.8
2.95	5.0E-06	0.00	125.8	2.70	7	33.0	16.0	49.0	17.2	UnDef	UnDef	10.0	UnDef	4.2	20.7
3.12	5.0E-06	0.00	84.3	2.50	7	23.4	16.0	39.4	20.2	UnDef	UnDef	10.0	UnDef	4.0	15.7
3.28	5.0E-06	0.00	62.9	2.02	7	18.3	13.9	32.3	21.2	UnDef	UnDef	10.0	UnDef	3.4	12.6
3.44	5.0E-06	0.00	47.0	2.04	7	14.4	16.2	30.7	24.8	UnDef	UnDef	6.0	UnDef	3.6	10.8
3.61	5.0E-07	0.01	48.2	2.29	7	15.4	19.2	34.7	25.8	UnDef	UnDef	6.0	UnDef	5.5	15.8
3.77	5.0E-06	0.02	55.3	1.81	7	18.4	14.5	32.9	21.5	UnDef	UnDef	10.0	UnDef	3.5	12.7
3.94	5.0E-07	0.02	43.8	2.32	7	15.2	22.3	37.5	27.3	UnDef	UnDef	6.0	UnDef	6.0	16.1
4.10	5.0E-06	0.01	42.8	1.91	7	15.4	18.4	33.8	25.3	UnDef	UnDef	6.0	UnDef	4.0	11.7
4.27	5.0E-06	0.00	50.2	1.26	7	18.7	11.5	30.2	19.2	UnDef	UnDef	10.0	UnDef	2.9	12.3
4.43	5.0E-06	0.00	54.1	1.50	7	20.9	13.9	34.8	19.9	UnDef	UnDef	10.0	UnDef	3.5	13.9
4.59	5.0E-06	-0.01	57.8	1.78	7	23.1	16.9	40.0	20.8	UnDef	UnDef	10.0	UnDef	4.2	15.7
4.76	5.0E-06	-0.01	54.9	2.15	7	22.7	22.1	44.8	23.5	UnDef	UnDef	10.0	UnDef	5.1	16.4
4.92	5.0E-06	-0.01	58.4	1.88	7	24.9	19.2	44.1	21.3	UnDef	UnDef	10.0	UnDef	4.7	17.1
5.09	5.0E-06	-0.01	49.2	2.25	7	21.8	25.8	47.6	25.3	UnDef	UnDef	6.0	UnDef	5.6	16.5
5.25	5.0E-06	-0.01	59.3	2.18	7	26.9	24.0	50.9	22.7	UnDef	UnDef	10.0	UnDef	5.6	19.1
5.41	5.0E-06	0.00	58.1	2.30	7	27.2	26.6	53.7	23.5	UnDef	UnDef	10.0	UnDef	6.1	19.7
5.58	5.0E-06	-0.01	47.0	2.76	7	22.7	37.8	60.5	28.4	UnDef	UnDef	6.0	UnDef	7.3	18.6
5.74	5.0E-06	-0.01	49.0	2.74	7	24.3	37.6	61.9	27.7	UnDef	UnDef	6.0	UnDef	7.4	19.5
5.91	5.0E-07	0.00	59.7	3.41	6	30.3	48.1	78.4	28.0	UnDef	UnDef	10.0	UnDef	12.3	32.1
6.07	5.0E-07	0.00	58.6	3.65	6	30.1	54.6	84.7	29.1	UnDef	UnDef	10.0	UnDef	13.3	32.9
6.23	5.0E-06	-0.01	62.6	2.92	7	32.6	39.0	71.6	25.4	UnDef	UnDef	10.0	UnDef	8.2	24.2
6.40	5.0E-06	-0.01	55.3	2.71	7	29.2	37.4	66.6	26.0	UnDef	UnDef	10.0	UnDef	7.7	22.0
56	5.0E-06	-0.01	52.4	2.39	7	28.0	32.9	61.0	25.2	UnDef	UnDef	10.0	UnDef	7.0	20.7
73	5.0E-06	0.00	52.9	2.18	7	28.7	29.8	58.4	24.1	UnDef	UnDef	10.0	UnDef	6.6	20.6
.89	5.0E-06	0.00	48.3	2.27	7	26.5	32.7	59.2	25.7	UnDef	UnDef	6.0	UnDef	6.8	19.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4397
CPT File: 315CP15.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.00	45.3	2.87	6	25.2	47.0	72.2	29.4	UnDef	UnDef	6.0	UnDef	8.5	20.8
7.22	5.0E-06	0.00	44.1	3.02	6	24.8	52.5	77.4	30.4	UnDef	UnDef	6.0	UnDef	9.0	21.1
7.38	5.0E-06	0.01	49.1	3.03	6	27.9	49.7	77.6	29.0	UnDef	UnDef	6.0	UnDef	9.1	22.8
7.55	5.0E-06	0.01	51.5	2.71	7	29.5	41.9	71.4	27.0	UnDef	UnDef	10.0	UnDef	8.4	22.8
7.71	5.0E-06	0.01	50.4	2.83	7	29.2	45.4	74.6	27.8	UnDef	UnDef	10.0	UnDef	8.8	23.1
7.87	5.0E-05	0.01	56.7	2.31	7	33.2	33.6	66.7	23.8	40	35.6	10.0	-0.22	6.0	18.9
8.04	5.0E-05	0.02	56.0	2.18	7	33.1	31.9	65.0	23.4	40	35.6	10.0	-0.21	5.7	18.7
8.20	5.0E-05	0.03	55.5	2.10	7	33.2	30.9	64.2	23.1	40	35.7	10.0	-0.20	5.6	18.6
8.37	5.0E-05	0.03	56.4	2.02	7	34.1	29.8	63.9	22.5	40	36.5	10.0	-0.20	5.5	18.9
8.53	5.0E-05	0.04	58.1	1.97	7	35.5	28.9	64.4	21.8	40	37.6	10.0	-0.20	5.4	19.3
8.69	5.0E-05	0.04	51.4	1.97	7	31.8	30.5	62.4	23.3	38	34.5	10.0	-0.19	5.5	18.0
8.86	5.0E-05	0.05	48.6	1.89	7	30.4	29.9	60.4	23.6	38	33.2	6.0	-0.17	5.4	17.3
9.02	5.0E-05	0.06	45.0	1.95	7	28.5	32.3	60.7	24.9	38	31.3	6.0	-0.17	5.5	16.7
9.19	5.0E-07	0.06	46.0	3.52	6	29.4	75.1	104.5	31.9	UnDef	UnDef	6.0	UnDef	15.7	34.8
9.35	5.0E-06	0.06	49.9	3.05	6	32.1	56.3	88.4	28.9	UnDef	UnDef	6.0	UnDef	10.4	26.1
9.51	5.0E-05	0.02	56.2	2.44	7	36.4	40.0	76.4	24.6	40	38.3	10.0	-0.23	6.9	21.2
9.68	5.0E-05	0.02	47.9	2.43	7	31.4	42.6	74.1	26.6	38	34.1	6.0	-0.21	6.9	19.2
9.84	5.0E-05	0.03	42.7	2.25	7	28.3	41.2	69.6	27.2	38	31.1	6.0	-0.18	6.5	17.6
10.01	5.0E-05	0.04	40.0	2.02	7	26.8	37.7	64.5	26.9	38	30.0	6.0	-0.16	6.1	16.5
10.17	5.0E-05	0.05	37.2	2.01	7	25.2	39.6	64.8	27.9	38	30.0	6.0	-0.15	6.1	16.0
10.33	5.0E-05	0.04	37.0	2.05	7	25.3	40.9	66.2	28.1	38	30.0	6.0	-0.15	6.2	16.1
10.50	5.0E-05	0.04	37.0	1.90	7	25.5	37.4	63.0	27.3	38	30.0	6.0	-0.15	5.9	15.9
10.66	5.0E-05	0.04	36.5	2.01	7	25.4	40.9	66.3	28.1	38	30.0	6.0	-0.15	6.2	16.2
10.83	5.0E-05	0.04	37.0	2.00	7	25.9	40.8	66.8	27.9	38	30.0	6.0	-0.15	6.3	16.4
10.99	5.0E-06	0.04	37.7	2.36	7	26.6	50.9	77.5	29.6	UnDef	UnDef	6.0	UnDef	9.1	22.1
11.15	5.0E-06	0.05	37.6	2.82	6	26.7	67.7	94.5	31.9	UnDef	UnDef	6.0	UnDef	10.6	23.7
11.32	5.0E-05	0.04	41.0	2.45	7	29.3	51.2	80.5	28.8	38	32.1	6.0	-0.19	7.6	19.1
11.48	5.0E-05	0.01	57.6	1.48	7	41.3	24.9	66.2	19.1	40	41.9	10.0	-0.17	5.0	21.1
11.65	5.0E-04	0.00	60.7	1.13	7	43.8	18.7	62.5	16.2	40	43.6	1.0	-0.15	3.3	17.6
11.81	5.0E-04	0.00	80.5	0.82	9	58.3	11.5	69.7	11.2	42	51.8	1.0	-0.15	2.2	21.2
11.97	5.0E-04	0.00	77.2	1.10	9	56.4	16.8	73.2	13.6	40	50.8	1.0	-0.17	3.1	21.5
12.14	5.0E-04	0.00	78.5	1.30	7	57.7	20.3	78.0	14.7	42	51.5	1.0	-0.19	3.7	22.5
12.30	5.0E-04	0.00	84.7	1.25	9	62.7	19.0	81.7	13.7	42	53.9	1.0	-0.19	3.5	23.9
12.47	5.0E-04	0.00	88.7	1.44	7	66.0	22.2	88.2	14.4	42	55.4	1.0	-0.21	4.0	25.6
12.63	5.0E-04	0.00	86.4	1.21	9	64.8	18.4	83.3	13.3	42	54.9	1.0	-0.19	3.4	24.5
12.80	5.0E-04	0.00	82.6	1.06	9	62.4	16.2	78.6	12.7	42	53.8	1.0	-0.17	3.0	23.4
12.96	5.0E-04	0.00	85.4	0.95	9	65.0	14.0	79.0	11.7	42	54.9	1.0	-0.17	2.7	23.9
13.12	5.0E-04	0.00	83.7	1.00	9	64.1	15.2	79.3	12.2	42	54.6	1.0	-0.17	2.8	23.8
13.29	5.0E-04	0.00	78.7	1.09	9	60.7	17.5	78.2	13.4	42	53.0	1.0	-0.17	3.2	23.0
13.45	5.0E-04	0.00	74.3	1.16	9	57.8	19.3	77.1	14.4	40	51.6	1.0	-0.17	3.5	22.4
13.62	5.0E-04	0.00	73.9	1.15	9	57.8	19.4	77.2	14.4	40	51.6	1.0	-0.17	3.5	22.4
13.78	5.0E-04	0.00	75.9	1.17	9	59.8	19.6	79.4	14.2	40	52.5	1.0	-0.18	3.6	23.1
13.94	5.0E-04	0.00	76.5	1.17	9	60.6	19.6	80.2	14.2	40	52.9	1.0	-0.18	3.6	23.3
14.11	5.0E-04	0.00	77.2	1.14	9	61.5	19.2	80.7	13.9	40	53.4	1.0	-0.18	3.5	23.6
14.27	5.0E-04	0.00	73.6	1.29	7	59.1	22.4	81.5	15.3	40	52.2	1.0	-0.18	4.0	23.3
14.44	5.0E-04	0.00	80.4	1.32	7	64.9	22.4	87.3	14.6	42	54.9	1.0	-0.19	4.1	25.2
14.60	5.0E-04	0.00	80.8	1.37	7	65.6	23.5	89.1	14.9	42	55.2	1.0	-0.20	4.2	25.6
14.76	5.0E-04	0.00	80.5	1.26	9	65.7	21.7	87.4	14.3	42	55.3	1.0	-0.19	3.9	25.4
14.93	5.0E-04	0.00	78.4	1.26	7	64.5	22.0	86.4	14.5	42	54.7	1.0	-0.19	4.0	25.0
15.09	5.0E-04	0.00	68.8	1.34	7	57.0	24.7	81.6	16.3	40	51.1	1.0	-0.18	4.3	22.9
15.26	5.0E-04	0.00	59.5	1.77	7	49.7	34.9	84.6	20.4	40	47.2	1.0	-0.19	5.6	21.9
15.42	5.0E-05	0.00	54.0	2.22	7	45.4	46.7	92.1	24.0	40	44.6	10.0	-0.21	8.3	26.0
15.58	5.0E-05	0.00	52.0	2.49	7	44.0	55.1	99.1	25.8	38	43.7	10.0	-0.22	9.2	26.4
15.75	5.0E-05	0.00	53.4	2.89	7	45.4	66.6	112.1	27.3	40	44.7	10.0	-0.25	10.5	28.3
15.91	5.0E-06	0.00	46.0	3.11	6	39.4	81.5	121.0	30.2	UnDef	UnDef	6.0	UnDef	14.1	33.4
16.08	5.0E-05	0.01	53.9	2.53	7	46.3	56.2	102.5	25.5	40	45.2	10.0	-0.23	9.5	27.6
16.24	5.0E-05	0.01	52.7	2.41	7	45.5	53.5	99.1	25.2	38	44.7	10.0	-0.22	9.1	26.9
16.40	5.0E-04	0.01	63.0	1.97	7	54.6	40.2	94.8	20.9	40	49.9	1.0	-0.21	6.4	24.2
16.57	5.0E-04	0.00	67.8	1.64	7	58.9	32.3	91.3	18.3	40	52.1	1.0	-0.20	5.5	24.7
16.73	5.0E-04	0.00	72.0	1.42	7	62.9	27.3	90.2	16.3	40	54.0	1.0	-0.19	4.8	25.3
16.90	5.0E-04	0.00	61.2	1.74	7	53.9	35.8	89.6	19.9	40	49.5	1.0	-0.19	5.8	23.4
17.06	5.0E-05	0.00	47.6	2.07	7	42.4	47.7	90.0	24.8	38	42.7	6.0	-0.19	8.2	24.8
17.22	5.0E-05	0.00	49.3	2.34	7	44.0	54.7	98.8	25.7	38	43.8	6.0	-0.21	9.1	26.4
17.39	5.0E-05	0.00	47.8	2.52	7	42.9	61.4	104.3	27.1	38	43.0	6.0	-0.21	9.8	26.6

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4397
CPT File: 315CP15.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-06	0.00	40.0	3.11	6	36.2	96.4	132.6	32.2	UnDef	UnDef	6.0	UnDef	14.8	32.5
17.72	5.0E-06	0.00	37.5	3.06	6	34.1	101.0	135.1	33.0	UnDef	UnDef	6.0	UnDef	14.7	31.4
17.88	5.0E-05	0.01	39.3	2.86	6	35.9	85.6	121.5	31.4	38	37.9	6.0	-0.21	11.1	25.1
18.04	5.0E-05	0.01	39.5	2.75	6	36.3	80.5	116.8	30.8	38	38.2	6.0	-0.20	10.8	25.0
18.21	5.0E-05	0.01	35.6	2.76	6	32.9	89.9	122.9	32.4	38	35.4	6.0	-0.19	10.9	23.8
18.37	5.0E-06	0.01	30.7	3.02	6	28.7	114.7	143.4	35.9	UnDef	UnDef	6.0	UnDef	14.0	28.1
18.54	5.0E-05	0.01	31.9	2.73	6	29.9	102.0	131.9	34.0	36	32.7	6.0	-0.18	11.0	22.7
18.70	5.0E-05	0.01	35.3	2.65	6	33.1	85.2	118.4	32.0	38	35.6	6.0	-0.18	10.6	23.6
18.86	5.0E-05	0.01	37.9	2.62	6	35.7	78.7	114.4	30.8	38	37.8	6.0	-0.19	10.6	24.5
19.03	5.0E-06	0.01	37.8	2.94	6	35.7	96.5	132.2	32.3	UnDef	UnDef	6.0	UnDef	14.7	32.1
19.19	5.0E-05	0.01	41.0	1.95	7	38.8	50.3	89.1	26.1	38	40.1	6.0	-0.16	8.3	23.5
19.36	5.0E-05	0.00	42.3	1.79	7	40.2	45.2	85.3	24.8	38	41.1	6.0	-0.16	7.8	23.5
19.52	5.0E-04	0.00	43.6	1.74	7	41.6	43.4	85.1	24.1	38	42.2	1.0	-0.16	6.4	20.0
19.68	5.0E-05	0.00	42.4	2.09	7	40.7	54.6	95.3	26.5	38	41.5	6.0	-0.18	8.9	24.8
19.85	5.0E-05	0.00	42.4	2.10	7	40.8	55.1	96.0	26.5	38	41.6	6.0	-0.18	9.0	24.9
20.01	5.0E-05	0.00	41.0	1.94	7	39.7	51.1	90.8	26.1	38	40.8	6.0	-0.16	8.4	24.0
20.18	5.0E-05	0.00	42.0	1.95	7	40.8	51.3	92.1	25.9	38	41.6	6.0	-0.17	8.5	24.5
20.34	5.0E-04	0.00	43.1	1.69	7	42.0	43.1	85.1	24.0	38	42.4	1.0	-0.16	6.4	20.1
20.51	5.0E-04	0.00	45.2	1.60	7	44.2	40.0	84.2	22.8	38	43.9	1.0	-0.15	6.1	20.5
20.67	5.0E-04	0.00	46.2	1.35	7	45.4	33.3	78.7	20.8	38	44.7	1.0	-0.14	5.3	20.2
20.83	5.0E-04	0.00	40.8	1.41	7	40.4	36.9	77.2	22.9	38	41.3	1.0	-0.13	5.6	18.8
21.00	5.0E-04	0.00	36.9	1.66	7	36.8	46.2	82.9	25.8	38	38.6	1.0	-0.14	6.4	18.4
21.16	5.0E-05	0.00	33.3	1.98	7	33.4	61.6	95.0	29.3	36	35.8	6.0	-0.14	8.9	22.0
21.33	5.0E-05	0.00	30.2	2.33	6	30.5	87.5	118.0	32.8	36	33.2	6.0	-0.15	10.3	22.3
21.49	5.0E-05	0.01	29.1	2.54	6	29.5	109.0	138.5	34.5	36	32.3	6.0	-0.16	11.2	22.7
21.65	5.0E-05	0.01	29.0	2.42	6	29.6	99.4	129.0	33.9	36	32.4	6.0	-0.15	10.8	22.4
21.82	5.0E-05	0.02	27.9	2.49	6	28.6	112.9	141.6	34.9	36	31.4	6.0	-0.15	11.2	22.4
21.98	5.0E-05	0.02	26.2	2.48	6	27.1	108.2	135.3	35.9	34	30.0	6.0	-0.14	10.6	21.2
22.15	5.0E-05	0.02	25.2	2.45	6	26.2	104.7	130.8	36.3	34	30.0	6.0	-0.13	10.2	20.5
.31	5.0E-08	0.03	26.4	4.69	1	27.4	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
2.47	5.0E-07	0.03	26.1	4.27	6	27.2	109.0	136.2	43.9	UnDef	UnDef	6.0	UnDef	17.8	35.5
22.64	5.0E-06	0.01	31.4	3.10	6	32.6	130.6	163.2	35.9	UnDef	UnDef	6.0	UnDef	16.0	31.9
22.80	5.0E-06	0.02	28.1	2.88	6	29.4	117.5	146.9	36.7	UnDef	UnDef	6.0	UnDef	14.4	28.8
22.97	5.0E-05	0.02	27.3	2.57	6	28.7	114.8	143.5	35.6	36	31.5	6.0	-0.15	11.2	22.5
23.13	5.0E-05	0.03	22.2	2.63	6	23.6	94.4	118.0	39.6	34	30.0	6.0	-0.13	9.2	18.5
23.29	5.0E-05	0.02	25.8	2.24	6	27.4	107.0	134.4	34.8	34	30.2	6.0	-0.13	10.6	21.4
23.46	5.0E-05	0.02	29.6	2.13	6	31.3	80.8	112.2	32.0	36	34.0	6.0	-0.14	10.1	22.3
23.62	5.0E-05	0.01	31.6	2.26	6	33.6	83.1	116.7	31.7	36	36.0	6.0	-0.15	10.6	23.7
23.79	5.0E-05	0.01	30.6	2.39	6	32.6	94.8	127.4	32.9	36	35.1	6.0	-0.15	11.1	23.9
23.95	5.0E-05	0.01	32.4	2.48	6	34.6	94.9	129.6	32.4	36	36.9	6.0	-0.17	11.5	25.0
24.11	5.0E-05	0.00	32.1	2.49	6	34.4	97.4	131.7	32.7	36	36.7	6.0	-0.17	11.6	25.0
24.28	5.0E-05	0.01	31.9	2.35	6	34.4	88.5	122.9	32.0	36	36.7	6.0	-0.16	11.0	24.5
24.44	5.0E-05	0.00	31.1	2.50	6	33.7	102.3	136.0	33.2	36	36.1	6.0	-0.16	11.7	24.9
24.61	5.0E-05	0.00	31.8	2.60	6	34.5	107.1	141.6	33.3	36	36.8	6.0	-0.17	12.1	25.6
24.77	5.0E-05	0.00	33.2	2.36	6	36.1	86.9	123.0	31.5	36	38.1	6.0	-0.16	11.2	25.3
24.93	5.0E-05	0.00	36.5	2.14	7	39.7	69.5	109.2	28.8	38	40.8	6.0	-0.16	10.3	25.8
25.10	5.0E-05	0.00	37.0	1.95	7	40.4	61.5	101.8	27.6	38	41.3	6.0	-0.15	9.6	25.4
25.26	5.0E-05	0.00	37.9	2.09	7	41.5	66.4	107.9	28.0	38	42.1	6.0	-0.16	10.2	26.4
25.43	5.0E-04	0.00	44.1	2.00	7	48.2	58.0	106.2	25.5	38	46.4	1.0	-0.18	8.2	23.9
25.59	5.0E-04	0.00	56.0	1.85	7	61.2	48.6	109.8	21.6	40	53.2	1.0	-0.19	7.6	27.6
25.75	5.0E-04	0.00	56.4	1.59	7	61.8	41.3	103.1	20.0	40	53.5	1.0	-0.18	6.7	26.9
25.92	5.0E-04	0.00	55.8	1.28	7	61.3	33.4	94.7	18.2	40	53.3	1.0	-0.15	5.7	25.7
26.08	5.0E-03	0.00	57.8	1.19	7	63.8	30.6	94.3	17.1	40	54.4	1.0	-0.15	4.0	19.6
26.25	5.0E-04	0.00	57.1	1.55	7	63.2	40.6	103.7	19.6	40	54.1	1.0	-0.18	6.7	27.3
26.41	5.0E-04	0.00	52.0	2.25	7	57.8	63.7	121.5	24.6	38	51.6	1.0	-0.21	9.2	28.1
26.57	5.0E-05	0.00	46.6	2.59	7	52.1	80.5	132.7	27.7	38	48.6	6.0	-0.22	12.5	32.9
26.74	5.0E-05	0.00	42.4	2.65	7	47.6	88.2	135.8	29.3	38	46.0	6.0	-0.21	12.7	31.4
26.90	5.0E-05	0.00	42.1	2.35	7	47.5	74.8	122.4	27.9	38	46.0	6.0	-0.19	11.5	30.1
27.07	5.0E-05	0.00	41.5	2.46	7	47.0	80.9	127.9	28.7	38	45.6	6.0	-0.19	12.0	30.4
27.23	5.0E-05	0.00	39.2	2.65	6	44.6	94.3	138.9	30.4	38	44.1	6.0	-0.20	12.9	30.3
27.39	5.0E-04	0.00	45.3	1.92	7	51.5	56.7	108.3	24.6	38	48.3	1.0	-0.17	8.2	25.0
.56	5.0E-04	0.00	57.7	1.32	7	65.5	35.2	100.7	18.1	40	55.1	1.0	-0.16	6.0	27.3
7.72	5.0E-03	0.00	71.5	0.99	9	81.1	23.9	105.0	13.5	40	61.3	1.0	-0.15	3.3	23.1
27.89	5.0E-02	0.00	95.9	0.83	9	108.8	16.0	124.8	9.8	42	69.7	1.0	-0.17	1.9	23.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4397
CPT File: 315CP15.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-02	0.00	117.3	0.01	9	133.3	0.0	133.3	3.6	42	75.5	1.0	0.16	0.0	26.1
28.21	5.0E-02	0.00	129.2	0.01	10	147.1	0.0	147.1	3.3	44	78.3	1.0	0.16	0.0	28.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4441
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-16
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 14:30
CPT File: 315CP16.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	7.4	0.02	0.27	-0.2	1	74.5	0.01	0.01	0.00	2.00	3.5	7.1	0.59	0.00
0.33	9.8	0.02	0.21	-0.4	6	98.7	0.01	0.01	0.00	2.00	3.7	7.5	0.78	0.00
0.49	11.5	0.04	0.35	-0.7	6	98.7	0.02	0.02	0.00	2.00	4.4	8.8	0.92	0.00
0.66	16.5	0.04	0.24	-0.3	6	98.7	0.03	0.03	0.00	2.00	6.3	12.6	1.32	0.08
0.82	18.8	0.02	0.11	-0.3	7	98.7	0.04	0.04	0.00	2.00	6.0	12.0	UnDef	0.08
0.98	20.6	0.04	0.19	-0.3	7	98.7	0.05	0.05	0.00	2.00	6.6	13.1	UnDef	0.09
1.15	22.9	0.06	0.26	-0.4	7	98.7	0.05	0.05	0.00	2.00	7.3	14.6	UnDef	0.09
31	25.9	0.05	0.19	0.0	7	98.7	0.06	0.06	0.00	2.00	8.3	16.5	UnDef	0.09
.48	28.1	0.02	0.07	0.2	7	98.7	0.07	0.07	0.00	2.00	9.0	17.9	UnDef	0.09
1.64	33.9	0.05	0.15	0.1	7	98.7	0.08	0.08	0.00	2.00	10.8	21.6	UnDef	0.11
1.80	42.2	0.31	0.74	0.2	7	98.7	0.09	0.09	0.00	2.00	13.5	26.9	UnDef	0.13
1.97	52.6	0.50	0.95	-0.2	7	98.7	0.09	0.09	0.00	2.00	16.8	33.6	UnDef	0.17
2.13	61.5	0.94	1.53	0.0	7	98.7	0.10	0.10	0.00	2.00	19.6	39.3	UnDef	0.23
2.30	62.7	1.24	1.98	0.0	7	98.7	0.11	0.11	0.00	2.00	20.0	40.0	UnDef	0.00
2.46	46.6	1.19	2.56	0.2	6	98.7	0.12	0.12	0.00	2.00	17.8	35.7	3.72	0.00
2.62	35.5	0.75	2.12	-0.6	6	98.7	0.13	0.13	0.00	2.00	13.6	27.2	2.83	0.12
2.79	31.0	0.55	1.78	-1.2	6	98.7	0.13	0.13	0.00	2.00	11.9	23.7	2.47	0.11
2.95	22.9	0.36	1.58	-1.2	6	98.7	0.14	0.14	0.00	2.00	8.8	17.5	1.82	0.09
3.12	16.7	0.28	1.68	-2.3	6	98.7	0.15	0.15	0.00	2.00	6.4	12.8	1.32	0.09
3.28	14.0	0.12	0.86	-6.4	6	98.7	0.16	0.16	0.00	2.00	5.4	10.7	1.11	0.08
3.44	14.9	0.07	0.47	-1.2	6	98.7	0.17	0.17	0.00	2.00	5.7	11.4	1.18	0.00
3.61	16.7	0.08	0.48	-1.2	6	98.7	0.18	0.18	0.00	2.00	6.4	12.8	1.32	0.08
3.77	16.9	0.15	0.89	-1.2	6	98.7	0.18	0.18	0.00	2.00	6.5	12.9	1.33	0.09
3.94	17.9	0.21	1.18	-1.0	6	98.7	0.19	0.19	0.00	2.00	6.8	13.7	1.42	0.09
4.10	15.9	0.19	1.20	1.5	6	98.7	0.20	0.20	0.00	2.00	6.1	12.2	1.26	0.09
4.27	15.3	0.16	1.05	-1.2	6	98.7	0.21	0.21	0.00	2.00	5.9	11.7	1.21	0.09
4.43	16.1	0.16	0.99	-4.5	6	98.7	0.22	0.22	0.00	2.00	6.2	12.4	1.27	0.09
4.59	16.1	0.18	1.12	-4.3	6	98.7	0.22	0.22	0.00	2.00	6.2	12.3	1.27	0.09
4.76	14.1	0.16	1.14	-7.9	6	98.7	0.23	0.23	0.00	2.00	5.4	10.8	1.11	0.09
4.92	11.4	0.10	0.88	-4.9	6	98.7	0.24	0.24	0.00	2.00	4.4	8.7	0.89	0.08
5.09	14.7	0.11	0.75	-7.2	6	98.7	0.25	0.25	0.00	2.00	5.6	11.3	1.16	0.08
5.25	17.2	0.19	1.10	-1.8	6	98.7	0.26	0.26	0.00	1.98	6.6	13.1	1.36	0.09
5.41	17.5	0.21	1.20	-4.2	6	98.7	0.26	0.26	0.00	1.95	6.7	13.1	1.38	0.09
5.58	16.1	0.26	1.62	-5.3	6	98.7	0.27	0.27	0.00	1.92	6.2	11.8	1.26	0.09
5.74	14.5	0.23	1.59	-6.5	6	98.7	0.28	0.28	0.00	1.89	5.5	10.5	1.14	0.09
5.91	14.8	0.23	1.55	-8.5	6	98.7	0.29	0.29	0.00	1.86	5.7	10.6	1.16	0.09
6.07	15.5	0.23	1.49	-9.5	6	98.7	0.30	0.30	0.00	1.84	5.9	10.9	1.21	0.09
6.23	15.7	0.24	1.53	-9.3	6	98.7	0.30	0.30	0.00	1.81	6.0	10.9	1.23	0.09
.40	13.5	0.29	2.15	-7.9	5	85.3	0.31	0.31	0.00	1.79	6.5	11.6	1.06	0.10
56	12.7	0.31	2.45	-6.3	5	85.3	0.32	0.32	0.00	1.77	6.1	10.8	0.99	0.11
.73	15.1	0.34	2.26	-3.1	5	85.3	0.33	0.33	0.00	1.75	7.2	12.6	1.18	0.10
6.89	17.0	0.36	2.12	0.9	5	85.3	0.33	0.33	0.00	1.73	8.1	14.1	1.33	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4441
CPT File: 315CP16.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	17.5	0.38	2.17	7.0	5	85.3	0.34	0.34	0.00	1.71	8.4	14.4	1.38	0.10
7.22	17.7	0.35	1.98	10.5	6	98.7	0.35	0.35	0.00	1.70	6.8	11.5	1.39	0.10
7.38	17.6	0.33	1.88	8.9	6	98.7	0.36	0.36	0.00	1.68	6.7	11.3	1.38	0.10
7.55	18.7	0.29	1.55	11.6	6	98.7	0.36	0.36	0.00	1.66	7.2	11.9	1.47	0.09
7.71	18.6	0.29	1.56	13.7	6	98.7	0.37	0.37	0.00	1.64	7.1	11.7	1.46	0.09
7.87	19.5	0.28	1.44	17.1	6	98.7	0.38	0.38	0.00	1.62	7.5	12.1	1.53	0.09
8.04	18.8	0.31	1.65	20.2	6	98.7	0.39	0.39	0.00	1.61	7.2	11.6	1.47	0.10
8.20	18.7	0.32	1.72	24.2	6	98.7	0.40	0.40	0.00	1.59	7.2	11.4	1.46	0.10
8.37	17.8	0.31	1.75	28.5	6	98.7	0.40	0.40	0.00	1.57	6.8	10.7	1.39	0.10
8.53	19.0	0.32	1.69	33.5	6	98.7	0.41	0.41	0.00	1.56	7.3	11.3	1.49	0.10
8.69	21.0	0.32	1.53	29.2	6	98.7	0.42	0.42	0.00	1.54	8.1	12.4	1.65	0.10
8.86	22.9	0.35	1.53	29.8	6	98.7	0.43	0.43	0.00	1.53	8.8	13.4	1.80	0.10
9.02	21.9	0.57	2.61	21.8	5	85.3	0.44	0.44	0.00	1.51	10.5	15.9	1.72	0.13
9.19	22.4	0.53	2.37	24.7	6	98.7	0.44	0.44	0.00	1.50	8.6	12.9	1.76	0.12
9.35	25.1	0.49	1.95	6.7	6	98.7	0.45	0.45	0.00	1.49	9.6	14.3	1.97	0.11
9.51	20.9	0.41	1.97	14.4	6	98.7	0.46	0.46	0.00	1.47	8.0	11.8	1.63	0.11
9.68	21.1	0.33	1.57	18.5	6	98.7	0.47	0.47	0.00	1.46	8.1	11.8	1.65	0.10
9.84	19.9	0.28	1.41	22.8	6	98.7	0.48	0.48	0.00	1.45	7.6	11.1	1.56	0.10
10.01	20.3	0.27	1.33	29.1	6	98.7	0.48	0.48	0.00	1.44	7.8	11.2	1.59	0.09
10.17	20.8	0.29	1.40	33.2	6	98.7	0.49	0.49	0.00	1.43	8.0	11.4	1.62	0.10
10.33	20.5	0.36	1.76	35.0	6	98.7	0.50	0.50	0.00	1.41	7.8	11.1	1.60	0.10
10.50	18.5	0.29	1.58	38.6	6	98.7	0.51	0.51	0.00	1.40	7.1	9.9	1.44	0.10
10.66	24.0	0.30	1.25	41.7	6	98.7	0.52	0.52	0.00	1.39	9.2	12.8	1.88	0.10
10.83	22.8	0.35	1.54	1.4	6	98.7	0.52	0.52	0.00	1.38	8.7	12.1	1.78	0.10
10.99	22.7	0.41	1.81	0.7	6	98.7	0.53	0.53	0.00	1.37	8.7	11.9	1.77	0.11
11.15	31.3	0.43	1.38	-1.0	6	98.7	0.54	0.54	0.00	1.36	12.0	16.3	2.46	0.11
11.32	35.9	0.37	1.03	-1.2	7	98.7	0.55	0.55	0.00	1.35	11.5	15.5	UnDef	0.11
11.48	44.6	0.33	0.74	-1.2	7	98.7	0.56	0.56	0.00	1.34	14.2	19.1	UnDef	0.11
11.65	47.3	0.21	0.45	-1.7	8	101.8	0.57	0.57	0.00	1.33	11.3	15.1	UnDef	0.10
.81	44.3	0.26	0.59	-1.5	7	98.7	0.57	0.57	0.00	1.32	14.1	18.7	UnDef	0.11
.97	39.7	0.46	1.16	-1.3	7	98.7	0.58	0.58	0.00	1.31	12.7	16.6	UnDef	0.11
12.14	32.3	0.56	1.74	-1.6	6	98.7	0.59	0.59	0.00	1.30	12.4	16.1	2.53	0.12
12.30	30.1	0.57	1.90	-3.4	6	98.7	0.60	0.60	0.00	1.29	11.5	14.9	2.36	0.12
12.47	28.7	0.35	1.22	-1.5	6	98.7	0.61	0.61	0.00	1.28	11.0	14.1	2.25	0.10
12.63	27.8	0.38	1.37	-1.6	6	98.7	0.61	0.61	0.00	1.28	10.7	13.6	2.18	0.10
12.80	24.2	0.38	1.57	-0.6	6	98.7	0.62	0.62	0.00	1.27	9.3	11.8	1.89	0.11
12.96	21.6	0.38	1.76	4.5	6	98.7	0.63	0.63	0.00	1.26	8.3	10.4	1.68	0.11
13.12	23.7	0.30	1.27	7.1	6	98.7	0.64	0.64	0.00	1.25	9.1	11.4	1.85	0.10
13.29	28.8	0.25	0.87	-1.7	7	98.7	0.65	0.65	0.00	1.24	9.2	11.4	UnDef	0.09
13.45	46.7	0.22	0.47	-1.2	8	101.8	0.65	0.65	0.00	1.24	11.2	13.8	UnDef	0.10
13.62	46.0	0.20	0.44	-1.1	8	101.8	0.66	0.66	0.00	1.23	11.0	13.5	UnDef	0.10
13.78	40.3	0.19	0.47	-1.2	7	98.7	0.67	0.67	0.00	1.22	12.9	15.7	UnDef	0.09
13.94	35.9	0.42	1.17	-1.1	7	98.7	0.68	0.68	0.00	1.21	11.5	13.9	UnDef	0.11
14.11	31.9	0.52	1.64	-1.2	6	98.7	0.69	0.69	0.00	1.21	12.2	14.7	2.49	0.12
14.27	34.0	0.65	1.92	0.1	6	98.7	0.70	0.70	0.00	1.20	13.0	15.6	2.66	0.13
14.44	30.1	0.62	2.07	-1.2	6	98.7	0.70	0.70	0.00	1.19	11.5	13.7	2.35	0.14
14.60	27.7	0.57	2.07	2.5	6	98.7	0.71	0.71	0.00	1.19	10.6	12.6	2.16	0.14
14.76	26.9	0.50	1.87	5.1	6	98.7	0.72	0.72	0.00	1.18	10.3	12.1	2.09	0.12
14.93	30.9	0.48	1.56	4.9	6	98.7	0.73	0.73	0.00	1.17	11.9	13.9	2.42	0.11
15.09	38.7	0.49	1.27	0.4	7	98.7	0.74	0.74	0.00	1.17	12.4	14.4	UnDef	0.11
15.26	48.4	0.51	1.06	-1.5	7	98.7	0.74	0.74	0.00	1.16	15.4	17.9	UnDef	0.12
15.42	57.0	0.43	0.76	-1.3	8	101.8	0.75	0.75	0.00	1.15	13.6	15.7	UnDef	0.12
15.58	60.7	0.40	0.66	-1.7	8	101.8	0.76	0.76	0.00	1.15	14.5	16.7	UnDef	0.13
15.75	61.0	0.23	0.38	-1.7	8	101.8	0.77	0.77	0.00	1.14	14.6	16.7	UnDef	0.11
15.91	54.3	0.21	0.39	-1.2	8	101.8	0.78	0.78	0.00	1.13	13.0	14.7	UnDef	0.10
16.08	46.4	0.40	0.86	-1.1	7	98.7	0.79	0.79	0.00	1.13	14.8	16.7	UnDef	0.11
16.24	38.4	0.61	1.59	-1.0	7	98.7	0.79	0.79	0.00	1.12	12.3	13.8	UnDef	0.13
16.40	28.9	0.75	2.60	-0.6	6	98.7	0.80	0.80	0.00	1.12	11.1	12.4	2.25	0.22
16.57	28.9	0.72	2.50	1.2	6	98.7	0.81	0.81	0.00	1.11	11.1	12.3	2.25	0.21
16.73	34.9	0.64	1.84	0.5	6	98.7	0.82	0.82	0.00	1.11	13.4	14.8	2.73	0.13
.90	34.9	0.67	1.93	-0.7	6	98.7	0.83	0.83	0.00	1.10	13.4	14.7	2.72	0.14
06	33.2	0.73	2.20	1.9	6	98.7	0.83	0.83	0.00	1.10	12.7	13.9	2.59	0.16
.22	30.9	0.67	2.18	2.9	6	98.7	0.84	0.84	0.00	1.09	11.8	12.9	2.40	0.16
17.39	31.6	0.62	1.96	4.4	6	98.7	0.85	0.85	0.00	1.08	12.1	13.1	2.46	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4441
CPT File: 315CP16.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	30.3	0.56	1.85	3.2	6	98.7	0.86	0.86	0.00	1.08	11.6	12.5	2.36	0.14
17.72	26.3	0.50	1.91	6.5	6	98.7	0.87	0.87	0.00	1.07	10.1	10.8	2.03	0.15
17.88	25.5	0.46	1.81	9.1	6	98.7	0.87	0.87	0.00	1.07	9.8	10.5	1.97	0.14
18.04	26.9	0.37	1.38	11.4	6	98.7	0.88	0.88	0.00	1.06	10.3	11.0	2.08	0.11
18.21	32.0	0.45	1.41	13.5	6	98.7	0.89	0.89	0.00	1.06	12.3	13.0	2.49	0.11
18.37	32.9	0.48	1.46	0.7	6	98.7	0.90	0.90	0.00	1.05	12.6	13.3	2.56	0.12
18.54	33.8	0.48	1.42	1.1	7	98.7	0.91	0.91	0.00	1.05	10.8	11.3	UnDef	0.12
18.70	35.6	0.53	1.49	-1.9	7	98.7	0.91	0.91	0.00	1.05	11.4	11.9	UnDef	0.12
18.86	36.7	0.64	1.75	-1.3	6	98.7	0.92	0.92	0.00	1.04	14.0	14.6	2.86	0.14
19.03	37.3	0.47	1.26	-1.2	7	98.7	0.93	0.93	0.00	1.04	11.9	12.3	UnDef	0.11
19.19	41.1	0.30	0.73	-1.6	7	98.7	0.94	0.94	0.00	1.03	13.1	13.5	UnDef	0.10
19.36	43.3	0.23	0.53	-1.6	7	98.7	0.95	0.95	0.00	1.03	13.8	14.2	UnDef	0.10
19.52	44.0	0.37	0.84	-1.6	7	98.7	0.96	0.96	0.00	1.02	14.0	14.4	UnDef	0.11
19.68	43.1	0.35	0.81	-1.2	7	98.7	0.96	0.96	0.00	1.02	13.8	14.0	UnDef	0.11
19.85	42.5	0.28	0.66	-1.5	7	98.7	0.97	0.97	0.00	1.01	13.6	13.8	UnDef	0.10
20.01	39.4	0.29	0.74	-1.5	7	98.7	0.98	0.98	0.00	1.01	12.6	12.7	UnDef	0.10
20.18	35.1	0.43	1.23	-1.2	7	98.7	0.99	0.99	0.00	1.01	11.2	11.3	UnDef	0.11
20.34	29.5	0.58	1.97	-1.0	6	98.7	1.00	1.00	0.00	1.00	11.3	11.3	2.28	0.18
20.51	27.8	0.54	1.95	-0.4	6	98.7	1.00	1.00	0.00	1.00	10.6	10.6	2.14	0.20
20.67	28.6	0.53	1.85	4.7	6	98.7	1.01	1.01	0.00	0.99	11.0	10.9	2.21	0.17
20.83	26.0	0.50	1.93	11.2	6	98.7	1.02	1.02	0.00	0.99	10.0	9.9	2.00	0.23
21.00	23.0	0.43	1.87	16.5	6	98.7	1.03	1.03	0.00	0.99	8.8	8.7	1.76	0.21
21.16	23.4	0.41	1.76	21.7	6	98.7	1.04	1.04	0.00	0.98	9.0	8.8	1.79	0.21
21.33	25.9	0.37	1.43	25.5	6	98.7	1.04	1.04	0.00	0.98	9.9	9.7	1.99	0.13
21.49	25.8	0.38	1.48	29.3	6	98.7	1.05	1.05	0.00	0.97	9.9	9.6	1.98	0.14
21.65	27.3	0.37	1.36	32.8	6	98.7	1.06	1.06	0.00	0.97	10.5	10.2	2.10	0.13
21.82	28.9	0.47	1.63	35.4	6	98.7	1.07	1.07	0.00	0.97	11.1	10.7	2.23	0.15
21.98	28.9	0.45	1.56	12.1	6	98.7	1.08	1.08	0.00	0.96	11.1	10.7	2.22	0.15
22.15	23.7	0.64	2.71	7.5	5	85.3	1.08	1.08	0.00	0.96	11.3	10.9	1.81	0.21
31	25.3	0.64	2.54	8.6	6	98.7	1.09	1.09	0.00	0.96	9.7	9.3	1.93	0.23
.47	32.1	0.63	1.97	1.2	6	98.7	1.10	1.10	0.00	0.95	12.3	11.7	2.48	0.20
22.64	32.0	0.55	1.72	3.7	6	98.7	1.11	1.11	0.00	0.95	12.3	11.7	2.47	0.16
22.80	37.1	0.61	1.65	6.3	6	98.7	1.12	1.12	0.00	0.95	14.2	13.4	2.88	0.15
22.97	39.5	0.65	1.65	1.3	7	98.7	1.12	1.12	0.00	0.94	12.6	11.9	UnDef	0.15
23.13	36.2	0.72	1.99	1.6	6	98.7	1.13	1.13	0.00	0.94	13.9	13.0	2.81	0.19
23.29	35.6	0.79	2.22	1.4	6	98.7	1.14	1.14	0.00	0.94	13.6	12.8	2.76	0.26
23.46	33.9	0.67	1.98	4.0	6	98.7	1.15	1.15	0.00	0.93	13.0	12.1	2.62	0.21
23.62	42.4	0.61	1.44	7.0	7	98.7	1.16	1.16	0.00	0.93	13.5	12.6	UnDef	0.13
23.79	50.0	0.49	0.98	0.2	7	98.7	1.16	1.16	0.00	0.93	15.9	14.8	UnDef	0.12
23.95	51.5	0.63	1.23	-0.5	7	98.7	1.17	1.17	0.00	0.92	16.4	15.2	UnDef	0.13
24.11	45.3	0.72	1.59	-0.4	7	98.7	1.18	1.18	0.00	0.92	14.5	13.3	UnDef	0.15
24.28	43.5	0.71	1.64	0.3	7	98.7	1.19	1.19	0.00	0.92	13.9	12.7	UnDef	0.15
24.44	59.0	0.58	0.99	-1.7	7	98.7	1.20	1.20	0.00	0.91	18.8	17.2	UnDef	0.13
24.61	62.5	0.66	1.06	-1.7	7	98.7	1.21	1.21	0.00	0.91	20.0	18.2	UnDef	0.14
24.77	57.6	0.80	1.39	-1.1	7	98.7	1.21	1.21	0.00	0.91	18.4	16.7	UnDef	0.15
24.93	51.6	1.02	1.98	-0.9	7	98.7	1.22	1.22	0.00	0.90	16.5	14.9	UnDef	0.20
25.10	52.6	0.99	1.89	-0.6	7	98.7	1.23	1.23	0.00	0.90	16.8	15.1	UnDef	0.19
25.26	59.5	0.95	1.60	-1.2	7	98.7	1.24	1.24	0.00	0.90	19.0	17.1	UnDef	0.17
25.43	64.6	0.89	1.38	-1.2	7	98.7	1.25	1.25	0.00	0.90	20.6	18.5	UnDef	0.16
25.59	59.6	0.81	1.36	-1.3	7	98.7	1.25	1.25	0.00	0.89	19.0	17.0	UnDef	0.15
25.75	65.3	1.03	1.58	-1.1	7	98.7	1.26	1.26	0.00	0.89	20.8	18.6	UnDef	0.18
25.92	76.4	1.02	1.34	-0.4	7	98.7	1.27	1.27	0.00	0.89	24.4	21.6	UnDef	0.18
26.08	110.6	1.15	1.04	-1.2	8	101.8	1.28	1.28	0.00	0.88	26.5	23.4	UnDef	0.24
26.25	138.6	1.10	0.80	-1.2	9	101.8	1.29	1.29	0.00	0.88	26.6	23.4	UnDef	0.30
26.41	166.8	0.02	0.01	-1.1	9	101.8	1.29	1.29	0.00	0.88	32.0	28.1	UnDef	0.35
26.57	188.4	0.02	0.01	-1.0	10	127.3	1.30	1.30	0.00	0.88	30.1	26.3	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4441
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-16
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 14:30
CPT File: 315CP16.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	1000.0	0.27	10	14.2	0.0	14.2	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.1
0.33	5.0E-05	0.00	738.8	0.21	10	18.7	0.0	18.7	0.0	50	62.0	10.0	-0.23	0.0	7.5
0.49	5.0E-05	0.00	538.6	0.35	10	22.0	0.0	22.0	0.0	50	59.8	10.0	-0.24	0.0	8.8
0.66	5.0E-05	0.00	559.6	0.24	10	31.6	0.0	31.6	0.0	50	65.5	10.0	-0.22	0.0	12.6
0.82	5.0E-04	0.00	500.1	0.11	10	36.0	0.0	36.0	0.0	48	65.8	1.0	-0.14	0.0	12.0
0.98	5.0E-04	0.00	450.3	0.20	10	39.4	0.0	39.4	0.0	48	65.6	1.0	-0.18	0.0	13.1
1.15	5.0E-04	0.00	425.0	0.26	10	43.8	0.0	43.8	0.0	48	66.3	1.0	-0.20	0.0	14.6
1.31	5.0E-04	0.00	417.9	0.19	10	49.6	0.0	49.6	0.0	48	67.8	1.0	-0.17	0.0	16.5
.48	5.0E-04	0.00	401.4	0.07	10	53.8	0.0	53.8	0.0	48	68.4	1.0	-0.09	0.0	17.9
.64	5.0E-04	0.00	433.4	0.15	10	64.9	0.0	64.9	0.0	48	72.2	1.0	-0.15	0.0	21.6
1.80	5.0E-04	0.00	489.0	0.74	9	80.8	0.0	80.8	0.8	48	77.1	1.0	-0.31	0.0	26.9
1.97	5.0E-04	0.00	557.5	0.96	9	100.7	0.0	100.7	1.5	50	82.1	1.0	-0.34	0.0	33.6
2.13	5.0E-04	0.00	600.8	1.53	9	117.8	0.0	117.8	3.8	50	85.4	1.0	-0.41	0.0	39.3
2.30	5.0E-04	0.00	567.1	1.99	12	120.0	UnDef	UnDef	0.0	50	84.9	1.0	-0.45	UnDef	UnDef
2.46	5.0E-05	0.00	392.3	2.57	12	89.2	UnDef	UnDef	0.0	48	75.3	10.0	-0.47	UnDef	UnDef
2.62	5.0E-05	0.00	279.3	2.13	9	67.9	8.9	76.9	9.4	46	66.6	10.0	-0.39	2.1	29.3
2.79	5.0E-05	0.00	229.2	1.79	9	59.3	7.3	66.6	9.1	46	61.8	10.0	-0.34	1.7	25.5
2.95	5.0E-05	0.00	159.2	1.59	9	43.8	7.5	51.3	10.5	44	52.3	10.0	-0.28	1.8	19.3
3.12	5.0E-05	0.00	109.5	1.70	7	31.9	10.1	42.0	14.0	42	42.4	10.0	-0.25	2.3	15.0
3.28	5.0E-05	-0.01	87.3	0.87	9	26.9	5.0	31.8	10.8	42	36.7	10.0	-0.16	1.2	11.9
3.44	5.0E-05	0.00	88.1	0.48	9	28.5	0.0	28.5	5.0	42	37.7	10.0	-0.11	0.0	11.4
3.61	5.0E-05	0.00	94.6	0.48	9	32.1	0.0	32.1	5.0	42	40.4	10.0	-0.12	0.0	12.8
3.77	5.0E-05	0.00	91.0	0.90	9	32.3	5.8	38.1	10.7	42	39.9	10.0	-0.17	1.4	14.3
3.94	5.0E-05	0.00	92.5	1.19	9	34.2	8.6	42.9	12.5	42	41.0	10.0	-0.20	2.0	15.7
4.10	5.0E-05	0.00	78.8	1.21	9	30.5	9.8	40.3	14.1	42	37.1	10.0	-0.18	2.2	14.4
4.27	5.0E-05	0.00	72.9	1.06	9	29.3	9.1	38.5	13.9	40	35.4	10.0	-0.16	2.0	13.8
4.43	5.0E-05	-0.01	73.9	1.01	9	30.9	8.9	39.8	13.4	40	36.4	10.0	-0.16	2.0	14.4
4.59	5.0E-05	-0.01	70.9	1.14	9	30.8	10.7	41.5	14.7	40	35.7	10.0	-0.17	2.4	14.7
4.76	5.0E-05	-0.02	59.8	1.16	7	27.0	12.1	39.0	16.6	40	31.4	10.0	-0.15	2.6	13.4
4.92	5.0E-05	-0.01	46.6	0.90	7	21.9	10.8	32.6	17.4	38	30.0	6.0	-0.11	2.3	11.0
5.09	5.0E-05	-0.02	58.4	0.76	9	28.2	8.6	36.8	13.7	40	31.7	10.0	-0.11	1.9	13.2
5.25	5.0E-05	0.00	66.4	1.12	7	33.0	12.4	45.4	15.2	40	35.8	10.0	-0.16	2.7	15.7
5.41	5.0E-05	-0.01	65.4	1.22	7	33.4	14.0	47.4	16.0	40	35.8	10.0	-0.17	3.0	16.0
5.58	5.0E-05	-0.01	58.1	1.65	7	30.2	20.2	50.4	20.0	40	32.9	10.0	-0.18	4.0	15.8
5.74	5.0E-05	-0.01	50.6	1.62	7	26.8	21.1	47.9	21.5	38	30.0	10.0	-0.17	4.0	14.5
5.91	5.0E-05	-0.02	50.5	1.58	7	27.1	20.9	47.9	21.3	38	30.0	10.0	-0.17	4.0	14.6
6.07	5.0E-05	-0.02	51.2	1.52	7	27.8	20.1	48.0	20.7	38	30.6	10.0	-0.16	3.9	14.8
6.23	5.0E-05	-0.02	50.5	1.57	7	27.8	21.2	49.0	21.2	38	30.6	10.0	-0.17	4.0	14.9
6.40	5.0E-06	-0.02	42.3	2.20	7	23.7	34.1	57.8	27.1	UnDef	UnDef	6.0	UnDef	6.8	18.4
.56	5.0E-06	-0.02	38.7	2.51	6	22.0	43.8	65.8	29.9	UnDef	UnDef	6.0	UnDef	7.7	18.4
.73	5.0E-06	-0.01	45.2	2.31	7	25.8	35.9	61.7	26.8	UnDef	UnDef	6.0	UnDef	7.2	19.9
.89	5.0E-06	0.00	50.0	2.17	7	28.8	32.0	60.8	24.7	UnDef	UnDef	10.0	UnDef	6.9	21.0

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pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.01	50.6	2.22	7	29.4	33.1	62.5	24.8	UnDef	UnDef	10.0	UnDef	7.1	21.5
7.22	5.0E-05	0.02	50.0	2.02	7	29.4	30.0	59.5	23.9	38	32.2	10.0	-0.19	5.3	16.8
7.38	5.0E-05	0.02	48.5	1.92	7	28.9	29.0	57.9	23.8	38	31.7	6.0	-0.18	5.2	16.5
7.55	5.0E-05	0.02	50.4	1.58	7	30.4	23.4	53.8	21.3	38	33.1	10.0	-0.16	4.5	16.3
7.71	5.0E-05	0.02	49.0	1.60	7	29.8	24.1	54.0	21.7	38	32.6	6.0	-0.16	4.5	16.2
7.87	5.0E-05	0.03	50.3	1.47	7	31.0	22.1	53.1	20.6	38	33.7	10.0	-0.15	4.3	16.4
8.04	5.0E-05	0.03	47.5	1.69	7	29.5	26.5	56.0	22.7	38	32.3	6.0	-0.16	4.9	16.4
8.20	5.0E-05	0.04	46.2	1.75	7	29.1	28.2	57.2	23.4	38	31.9	6.0	-0.16	5.1	16.4
8.37	5.0E-05	0.05	42.9	1.79	7	27.3	30.0	57.4	24.6	38	30.1	6.0	-0.16	5.2	15.9
8.53	5.0E-05	0.06	45.1	1.73	7	29.0	28.5	57.5	23.6	38	31.8	6.0	-0.16	5.1	16.4
8.69	5.0E-05	0.04	49.0	1.56	7	31.7	25.0	56.7	21.5	38	34.4	6.0	-0.16	4.7	17.1
8.86	5.0E-05	0.04	52.4	1.56	7	34.2	24.8	59.0	20.7	38	36.5	10.0	-0.16	4.8	18.2
9.02	5.0E-06	0.03	49.2	2.66	7	32.4	48.0	80.4	27.3	UnDef	UnDef	6.0	UnDef	9.4	25.3
9.19	5.0E-05	0.04	49.5	2.42	7	32.9	42.5	75.4	26.1	38	35.4	6.0	-0.21	7.0	19.9
9.35	5.0E-05	0.01	54.6	1.99	7	36.6	32.7	69.3	22.7	40	38.5	10.0	-0.20	6.0	20.3
9.51	5.0E-05	0.02	44.4	2.01	7	30.1	36.1	66.3	25.4	38	32.9	6.0	-0.17	6.1	17.9
9.68	5.0E-05	0.03	44.1	1.60	7	30.2	28.3	58.5	23.1	38	33.0	6.0	-0.15	5.1	16.9
9.84	5.0E-05	0.04	40.8	1.44	7	28.2	26.4	54.6	23.1	38	31.0	6.0	-0.13	4.8	15.8
10.01	5.0E-05	0.05	41.0	1.36	7	28.6	25.0	53.6	22.5	38	31.4	6.0	-0.13	4.6	15.8
10.17	5.0E-05	0.05	41.2	1.43	7	29.0	26.5	55.5	22.9	38	31.8	6.0	-0.13	4.8	16.2
10.33	5.0E-05	0.05	39.9	1.81	7	28.3	34.9	63.2	25.7	38	31.1	6.0	-0.15	5.8	16.9
10.50	5.0E-05	0.07	35.3	1.62	7	25.3	33.1	58.5	26.2	38	30.0	6.0	-0.12	5.4	15.4
10.66	5.0E-05	0.06	45.5	1.28	7	32.7	23.3	56.0	20.6	38	35.2	6.0	-0.13	4.5	17.3
10.83	5.0E-05	0.00	42.5	1.57	7	30.8	29.8	60.6	23.4	38	33.5	6.0	-0.15	5.4	17.4
10.99	5.0E-05	0.00	41.6	1.86	7	30.4	36.5	66.9	25.4	38	33.2	6.0	-0.16	6.2	18.1
11.15	5.0E-05	0.00	56.9	1.40	7	41.7	24.2	65.8	18.8	40	42.2	10.0	-0.16	4.9	21.2
11.32	5.0E-04	0.00	64.4	1.05	7	47.4	17.3	64.7	15.0	40	45.9	1.0	-0.15	3.1	18.6
11.48	5.0E-04	0.00	79.1	0.75	9	58.5	10.7	69.2	10.8	42	51.9	1.0	-0.14	2.0	21.1
11.65	5.0E-03	0.00	82.6	0.45	9	61.5	0.0	61.5	5.0	42	53.4	1.0	-0.10	0.0	15.1
.81	5.0E-04	0.00	76.2	0.60	9	57.2	8.4	65.6	9.8	40	51.3	1.0	-0.12	1.6	20.3
.97	5.0E-04	0.00	67.3	1.18	7	51.0	19.8	70.8	15.5	40	48.0	1.0	-0.16	3.5	20.2
12.14	5.0E-05	0.00	53.7	1.77	7	41.1	33.0	74.1	21.7	40	41.8	10.0	-0.18	6.2	22.3
12.30	5.0E-05	0.00	49.3	1.94	7	38.1	37.8	75.9	23.7	38	39.6	6.0	-0.18	6.7	21.7
12.47	5.0E-05	0.00	46.3	1.25	7	36.1	24.5	60.5	20.1	38	38.0	6.0	-0.13	4.8	18.9
12.63	5.0E-05	0.00	44.4	1.40	7	34.8	28.0	62.8	21.7	38	37.0	6.0	-0.14	5.3	18.9
12.80	5.0E-05	0.00	37.9	1.62	7	30.0	35.2	65.2	25.2	38	32.8	6.0	-0.14	6.0	17.7
12.96	5.0E-05	0.01	33.3	1.82	7	26.6	43.9	70.5	28.3	36	30.0	6.0	-0.13	6.6	17.1
13.12	5.0E-05	0.01	36.2	1.30	7	29.1	29.0	58.1	23.7	38	31.9	6.0	-0.11	5.2	16.5
13.29	5.0E-04	0.00	43.6	0.89	7	35.1	18.8	53.9	18.1	38	37.2	1.0	-0.10	3.2	14.6
13.45	5.0E-03	0.00	70.3	0.48	9	56.5	0.0	56.5	5.0	40	50.9	1.0	-0.09	0.0	13.8
13.62	5.0E-03	0.00	68.4	0.44	9	55.3	0.0	55.3	5.0	40	50.3	1.0	-0.08	0.0	13.5
13.78	5.0E-04	0.00	59.1	0.48	9	48.1	0.0	48.1	5.0	40	46.3	1.0	-0.08	0.0	15.7
13.94	5.0E-04	0.00	51.9	1.20	7	42.6	23.8	66.4	18.4	38	42.8	1.0	-0.14	4.0	17.9
14.11	5.0E-05	0.00	45.4	1.67	7	37.6	35.4	73.1	23.2	38	39.3	6.0	-0.16	6.4	21.1
14.27	5.0E-05	0.00	47.9	1.96	7	39.9	41.7	81.6	24.1	38	40.9	6.0	-0.18	7.3	22.9
14.44	5.0E-05	0.00	41.8	2.12	7	35.1	49.0	84.1	26.8	38	37.3	6.0	-0.18	7.9	21.6
14.60	5.0E-05	0.00	37.9	2.12	7	32.1	52.3	84.4	28.2	38	34.7	6.0	-0.17	8.0	20.5
14.76	5.0E-05	0.01	36.3	1.92	7	31.0	47.4	78.4	27.7	38	33.7	6.0	-0.15	7.4	19.5
14.93	5.0E-05	0.01	41.5	1.59	7	35.5	35.9	71.4	23.8	38	37.6	6.0	-0.14	6.4	20.3
15.09	5.0E-04	0.00	51.6	1.29	7	44.2	26.8	71.0	19.2	38	43.9	1.0	-0.15	4.5	18.9
15.26	5.0E-04	0.00	64.0	1.07	7	54.9	20.7	75.6	15.3	40	50.1	1.0	-0.15	3.7	21.6
15.42	5.0E-03	0.00	74.8	0.77	9	64.3	13.3	77.6	11.4	40	54.6	1.0	-0.14	1.9	17.6
15.58	5.0E-03	0.00	78.9	0.67	9	68.2	10.8	79.0	10.1	42	56.3	1.0	-0.13	1.6	18.2
15.75	5.0E-03	0.00	78.3	0.38	9	68.1	0.0	68.1	5.0	42	56.3	1.0	-0.08	0.0	16.7
15.91	5.0E-03	0.00	68.9	0.39	9	60.3	0.0	60.3	5.0	40	52.8	1.0	-0.07	0.0	14.7
16.08	5.0E-04	0.00	58.1	0.88	9	51.2	18.1	69.3	14.8	40	48.1	1.0	-0.12	3.3	20.0
16.24	5.0E-04	0.00	47.5	1.62	7	42.2	36.3	78.5	22.3	38	42.6	1.0	-0.16	5.6	19.4
16.40	5.0E-05	0.00	35.0	2.68	6	31.6	84.3	115.9	32.3	38	34.2	6.0	-0.19	10.3	22.7
16.57	5.0E-05	0.00	34.7	2.57	6	31.4	79.8	111.2	31.9	36	34.1	6.0	-0.18	10.0	22.3
16.73	5.0E-05	0.00	41.7	1.88	7	37.8	45.8	83.6	25.5	38	39.4	6.0	-0.16	7.7	22.5
.90	5.0E-05	0.00	41.2	1.97	7	37.6	49.0	86.6	26.2	38	39.2	6.0	-0.17	8.1	22.8
06	5.0E-05	0.00	38.8	2.26	7	35.6	60.6	96.3	28.6	38	37.7	6.0	-0.18	9.1	23.0
.22	5.0E-05	0.00	35.7	2.24	7	32.9	63.9	96.8	29.7	38	35.4	6.0	-0.16	9.1	21.9
17.39	5.0E-05	0.00	36.2	2.02	7	33.6	55.2	88.8	28.3	38	36.0	6.0	-0.15	8.4	21.5

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ıth t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	34.3	1.91	7	32.0	53.4	85.4	28.4	36	34.6	6.0	-0.14	8.0	20.6
17.72	5.0E-05	0.01	29.3	1.97	7	27.6	64.1	91.8	31.2	36	30.4	6.0	-0.13	8.4	19.2
17.88	5.0E-05	0.01	28.2	1.87	7	26.7	62.0	88.7	31.2	36	30.0	6.0	-0.12	8.1	18.6
18.04	5.0E-05	0.01	29.5	1.43	7	28.0	42.3	70.3	27.5	36	30.8	6.0	-0.10	6.6	17.6
18.21	5.0E-05	0.01	34.9	1.45	7	33.2	39.0	72.2	25.2	38	35.7	6.0	-0.12	6.6	19.6
18.37	5.0E-05	0.00	35.6	1.50	7	34.0	40.3	74.3	25.3	38	36.3	6.0	-0.12	6.8	20.1
18.54	5.0E-04	0.00	36.3	1.46	7	34.7	39.0	73.7	24.8	38	37.0	1.0	-0.12	5.6	16.9
18.70	5.0E-04	0.00	38.0	1.53	7	36.5	40.2	76.6	24.6	38	38.4	1.0	-0.13	5.8	17.7
18.86	5.0E-05	0.00	38.7	1.80	7	37.3	47.8	85.2	26.0	38	39.0	6.0	-0.15	7.9	22.5
19.03	5.0E-04	0.00	39.1	1.30	7	37.8	33.6	71.5	22.6	38	39.4	1.0	-0.12	5.1	17.5
19.19	5.0E-04	0.00	42.7	0.75	7	41.5	19.7	61.2	17.1	38	42.1	1.0	-0.08	3.4	16.9
19.36	5.0E-04	0.00	44.7	0.54	9	43.5	14.8	58.3	14.5	38	43.4	1.0	-0.06	2.7	16.9
19.52	5.0E-04	0.00	45.1	0.86	7	44.1	21.9	66.0	17.4	38	43.8	1.0	-0.10	3.8	18.1
19.68	5.0E-04	0.00	43.8	0.83	7	43.0	21.6	64.6	17.5	38	43.1	1.0	-0.09	3.7	17.7
19.85	5.0E-04	0.00	42.8	0.68	7	42.2	18.3	60.6	16.3	38	42.6	1.0	-0.08	3.2	17.0
20.01	5.0E-04	0.00	39.2	0.76	7	39.0	21.1	60.0	18.1	38	40.3	1.0	-0.08	3.6	16.3
20.18	5.0E-04	0.00	34.6	1.26	7	34.6	35.7	70.3	24.0	36	36.8	1.0	-0.11	5.3	16.5
20.34	5.0E-05	0.00	28.6	2.04	6	28.9	74.4	103.3	32.0	36	31.7	6.0	-0.13	9.3	20.6
20.51	5.0E-05	0.00	26.7	2.02	6	27.1	80.3	107.4	33.0	36	30.0	6.0	-0.12	9.3	19.9
20.67	5.0E-05	0.01	27.3	1.92	7	27.9	72.1	100.0	32.0	36	30.6	6.0	-0.12	9.0	19.9
20.83	5.0E-05	0.01	24.5	2.01	6	25.2	90.9	116.1	34.3	34	30.0	6.0	-0.11	9.5	19.3
21.00	5.0E-05	0.02	21.4	1.96	6	22.2	88.8	111.1	36.4	34	30.0	6.0	-0.09	8.7	17.4
21.16	5.0E-05	0.03	21.6	1.84	6	22.5	90.1	112.6	35.4	34	30.0	6.0	-0.09	8.8	17.6
21.33	5.0E-05	0.03	23.8	1.49	7	24.8	58.7	83.6	31.3	34	30.0	6.0	-0.08	7.6	17.3
21.49	5.0E-05	0.04	23.5	1.54	7	24.6	62.6	87.2	31.9	34	30.0	6.0	-0.08	7.9	17.5
21.65	5.0E-05	0.04	24.7	1.41	7	25.9	53.0	79.0	30.1	34	30.0	6.0	-0.08	7.4	17.5
21.82	5.0E-05	0.04	26.1	1.69	7	27.4	64.4	91.8	31.3	34	30.1	6.0	-0.10	8.4	19.1
21.98	5.0E-05	0.01	25.8	1.62	7	27.2	61.6	88.8	31.0	34	30.0	6.0	-0.10	8.2	18.8
22.15	5.0E-06	0.01	20.8	2.84	6	22.2	89.0	111.2	41.8	UnDef	UnDef	6.0	UnDef	10.9	21.8
31	5.0E-05	0.01	22.1	2.65	6	23.7	94.7	118.3	39.7	34	30.0	6.0	-0.13	9.3	18.5
.47	5.0E-05	0.00	28.2	2.04	6	29.9	79.6	109.6	32.2	36	32.7	6.0	-0.13	9.8	21.5
22.64	5.0E-05	0.00	27.9	1.78	7	29.8	65.9	95.6	30.8	36	32.5	6.0	-0.11	8.8	20.5
22.80	5.0E-05	0.01	32.2	1.70	7	34.3	55.1	89.4	28.1	36	36.6	6.0	-0.13	8.4	21.9
22.97	5.0E-04	0.00	34.1	1.70	7	36.4	53.2	89.6	27.2	36	38.3	1.0	-0.13	7.0	18.9
23.13	5.0E-05	0.00	31.0	2.06	7	33.3	74.0	107.3	30.8	36	35.8	6.0	-0.14	9.9	22.9
23.29	5.0E-05	0.00	30.2	2.30	6	32.6	91.2	123.8	32.6	36	35.2	6.0	-0.15	10.9	23.7
23.46	5.0E-05	0.00	28.5	2.05	6	30.9	81.1	112.0	32.1	36	33.6	6.0	-0.13	10.0	22.1
23.62	5.0E-04	0.01	35.6	1.48	7	38.6	45.1	83.6	25.2	38	40.0	1.0	-0.12	6.4	19.0
23.79	5.0E-04	0.00	41.9	1.01	7	45.3	28.7	74.0	19.5	38	44.6	1.0	-0.11	4.7	19.5
23.95	5.0E-04	0.00	42.9	1.26	7	46.5	35.2	81.7	21.1	38	45.3	1.0	-0.13	5.6	20.8
24.11	5.0E-04	0.00	37.4	1.64	7	40.8	49.5	90.3	25.5	38	41.6	1.0	-0.14	6.9	20.3
24.28	5.0E-04	0.00	35.6	1.68	7	39.0	52.7	91.7	26.5	38	40.3	1.0	-0.13	7.1	19.9
24.44	5.0E-04	0.00	48.3	1.01	7	52.7	27.5	80.2	17.8	38	48.9	1.0	-0.12	4.7	21.9
24.61	5.0E-04	0.00	50.9	1.08	7	55.7	28.9	84.6	17.8	38	50.5	1.0	-0.13	4.9	23.1
24.77	5.0E-04	0.00	46.5	1.42	7	51.2	39.4	90.5	21.3	38	48.1	1.0	-0.15	6.2	22.9
24.93	5.0E-04	0.00	41.2	2.03	7	45.7	61.8	107.4	26.5	38	44.8	1.0	-0.17	8.4	23.3
25.10	5.0E-04	0.00	41.8	1.93	7	46.4	58.0	104.4	25.8	38	45.3	1.0	-0.17	8.1	23.2
25.26	5.0E-04	0.00	47.1	1.63	7	52.4	45.8	98.1	22.5	38	48.7	1.0	-0.16	7.0	24.1
25.43	5.0E-04	0.00	50.9	1.41	7	56.6	38.3	94.9	20.1	38	51.0	1.0	-0.15	6.2	24.7
25.59	5.0E-04	0.00	46.5	1.39	7	52.1	39.1	91.2	21.1	38	48.6	1.0	-0.14	6.2	23.2
25.75	5.0E-04	0.00	50.7	1.61	7	56.9	44.4	101.3	21.4	38	51.1	1.0	-0.17	7.0	25.6
25.92	5.0E-04	0.00	59.2	1.36	7	66.4	35.5	101.9	18.1	40	55.5	1.0	-0.17	6.0	27.7
26.08	5.0E-03	0.00	85.6	1.05	9	95.8	23.3	119.1	12.3	42	66.0	1.0	-0.18	3.3	26.7
26.25	5.0E-02	0.00	106.8	0.80	9	119.6	13.3	132.9	8.7	42	72.4	1.0	-0.17	1.6	25.0
26.41	5.0E-02	0.00	127.9	0.01	10	143.5	0.0	143.5	3.3	44	77.6	1.0	0.16	0.0	28.1
26.57	5.0E+00	0.00	143.5	0.01	10	161.5	0.0	161.5	3.0	44	81.0	1.0	0.16	0.0	26.3

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4485
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-17
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 15:39
CPT File: 315CP17.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.9	0.02	0.41	-0.5	1	74.5	0.01	0.01	0.00	2.00	2.4	4.7	0.39	0.00
0.33	10.0	0.02	0.20	-0.6	6	98.7	0.01	0.01	0.00	2.00	3.8	7.6	0.80	0.00
0.49	16.9	0.02	0.12	-0.3	7	98.7	0.02	0.02	0.00	2.00	5.4	10.8	UnDef	0.08
0.66	19.7	0.02	0.10	-0.4	7	98.7	0.03	0.03	0.00	2.00	6.3	12.6	UnDef	0.08
0.82	23.8	0.02	0.08	-0.2	7	98.7	0.04	0.04	0.00	2.00	7.6	15.2	UnDef	0.09
0.98	34.8	0.13	0.37	-0.2	7	98.7	0.05	0.05	0.00	2.00	11.1	22.2	UnDef	0.11
1.15	55.3	0.56	1.01	-0.2	7	98.7	0.05	0.05	0.00	2.00	17.7	35.3	UnDef	0.19
.31	63.9	0.74	1.16	0.1	7	98.7	0.06	0.06	0.00	2.00	20.4	40.8	UnDef	0.25
.48	73.8	1.03	1.40	-0.4	7	98.7	0.07	0.07	0.00	2.00	23.6	47.1	UnDef	0.00
1.64	78.3	1.44	1.84	-0.5	7	98.7	0.08	0.08	0.00	2.00	25.0	50.0	UnDef	0.00
1.80	54.1	1.41	2.61	0.0	6	98.7	0.09	0.09	0.00	2.00	20.7	41.5	4.32	0.00
1.97	35.1	1.03	2.94	-0.4	5	85.3	0.09	0.09	0.00	2.00	16.8	33.6	2.80	0.00
2.13	24.3	0.49	2.02	-0.2	6	98.7	0.10	0.10	0.00	2.00	9.3	18.6	1.94	0.09
2.30	18.3	0.25	1.37	-0.3	6	98.7	0.11	0.11	0.00	2.00	7.0	14.0	1.45	0.09
2.46	16.2	0.13	0.81	-0.1	6	98.7	0.12	0.12	0.00	2.00	6.2	12.4	1.28	0.08
2.62	17.0	0.12	0.71	-0.4	6	98.7	0.13	0.13	0.00	2.00	6.5	13.1	1.35	0.08
2.79	18.7	0.22	1.18	1.1	6	98.7	0.13	0.13	0.00	2.00	7.1	14.3	1.48	0.09
2.95	22.9	0.31	1.36	1.8	6	98.7	0.14	0.14	0.00	2.00	8.8	17.5	1.82	0.09
3.12	22.0	0.35	1.59	-4.8	6	98.7	0.15	0.15	0.00	2.00	8.4	16.9	1.75	0.09
3.28	19.6	0.30	1.54	-4.4	6	98.7	0.16	0.16	0.00	2.00	7.5	15.0	1.55	0.09
3.44	19.7	0.32	1.63	-4.1	6	98.7	0.17	0.17	0.00	2.00	7.6	15.1	1.56	0.09
3.61	19.8	0.30	1.52	-6.1	6	98.7	0.17	0.17	0.00	2.00	7.6	15.2	1.57	0.09
3.77	17.5	0.28	1.60	-7.0	6	98.7	0.18	0.18	0.00	2.00	6.7	13.4	1.39	0.09
3.94	15.9	0.24	1.52	-7.8	6	98.7	0.19	0.19	0.00	2.00	6.1	12.2	1.25	0.09
4.10	15.1	0.22	1.46	-0.5	6	98.7	0.20	0.20	0.00	2.00	5.8	11.5	1.19	0.09
4.27	13.5	0.24	1.78	-0.2	5	85.3	0.21	0.21	0.00	2.00	6.5	13.0	1.07	0.09
4.43	12.6	0.22	1.75	-0.4	5	85.3	0.21	0.21	0.00	2.00	6.0	12.0	0.99	0.09
4.59	11.6	0.20	1.72	0.0	5	85.3	0.22	0.22	0.00	2.00	5.6	11.1	0.91	0.09
4.76	11.6	0.14	1.21	-0.3	6	98.7	0.23	0.23	0.00	2.00	4.5	8.9	0.91	0.08
4.92	10.2	0.13	1.27	-0.4	5	85.3	0.23	0.23	0.00	2.00	4.9	9.8	0.80	0.08
5.09	10.6	0.12	1.13	-0.7	5	85.3	0.24	0.24	0.00	2.00	5.1	10.2	0.83	0.08
5.25	12.8	0.15	1.18	-0.5	6	98.7	0.25	0.25	0.00	2.00	4.9	9.8	1.00	0.09
5.41	14.8	0.18	1.22	-0.4	6	98.7	0.26	0.26	0.00	1.97	5.7	11.2	1.16	0.09
5.58	14.0	0.27	1.93	-0.3	5	85.3	0.27	0.27	0.00	1.94	6.7	13.0	1.10	0.09
5.74	16.6	0.27	1.63	3.7	6	98.7	0.27	0.27	0.00	1.92	6.3	12.2	1.30	0.09
5.91	13.6	0.25	1.84	10.7	5	85.3	0.28	0.28	0.00	1.89	6.5	12.3	1.07	0.09
6.07	12.8	0.22	1.72	13.2	5	85.3	0.29	0.29	0.00	1.87	6.1	11.5	1.00	0.09
6.23	13.0	0.18	1.39	14.7	6	98.7	0.29	0.29	0.00	1.84	5.0	9.2	1.01	0.09
.40	12.5	0.15	1.20	15.2	6	98.7	0.30	0.30	0.00	1.82	4.8	8.7	0.98	0.09
56	13.5	0.16	1.19	18.7	6	98.7	0.31	0.31	0.00	1.79	5.2	9.3	1.06	0.09
.73	15.2	0.18	1.19	20.8	6	98.7	0.32	0.32	0.00	1.77	5.8	10.3	1.19	0.09
6.89	15.9	0.21	1.33	21.6	6	98.7	0.33	0.33	0.00	1.75	6.1	10.6	1.24	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4485
CPT File: 315CP17.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	14.4	0.22	1.53	21.8	6	98.7	0.34	0.34	0.00	1.73	5.5	9.5	1.13	0.09
7.22	15.9	0.24	1.52	19.4	6	98.7	0.34	0.34	0.00	1.71	6.1	10.4	1.24	0.09
7.38	17.4	0.26	1.50	21.9	6	98.7	0.35	0.35	0.00	1.69	6.6	11.2	1.36	0.09
7.55	18.3	0.25	1.37	16.9	6	98.7	0.36	0.36	0.00	1.67	7.0	11.7	1.43	0.09
7.71	17.5	0.25	1.43	20.3	6	98.7	0.37	0.37	0.00	1.65	6.7	11.1	1.37	0.09
7.87	17.0	0.21	1.24	15.1	6	98.7	0.38	0.38	0.00	1.63	6.5	10.6	1.33	0.09
8.04	15.8	0.20	1.27	14.1	6	98.7	0.38	0.38	0.00	1.61	6.0	9.8	1.23	0.09
8.20	14.1	0.17	1.21	15.8	6	98.7	0.39	0.39	0.00	1.60	5.4	8.6	1.10	0.09
8.37	15.0	0.17	1.13	18.8	6	98.7	0.40	0.40	0.00	1.58	5.8	9.1	1.17	0.09
8.53	15.3	0.16	1.05	21.2	6	98.7	0.41	0.41	0.00	1.57	5.9	9.2	1.19	0.09
8.69	15.1	0.21	1.39	24.6	6	98.7	0.42	0.42	0.00	1.55	5.8	9.0	1.18	0.09
8.86	15.6	0.29	1.87	25.5	5	85.3	0.42	0.42	0.00	1.54	7.5	11.5	1.21	0.10
9.02	19.2	0.34	1.77	36.1	6	98.7	0.43	0.43	0.00	1.52	7.4	11.2	1.50	0.10
9.19	19.7	0.36	1.83	38.1	6	98.7	0.44	0.44	0.00	1.51	7.6	11.4	1.54	0.10
9.35	24.5	0.33	1.35	27.1	6	98.7	0.45	0.45	0.00	1.50	9.4	14.0	1.93	0.10
9.51	29.1	0.37	1.27	2.3	6	98.7	0.46	0.46	0.00	1.48	11.2	16.5	2.29	0.10
9.68	28.3	0.44	1.56	-1.8	6	98.7	0.46	0.46	0.00	1.47	10.8	15.9	2.23	0.11
9.84	27.3	0.47	1.73	-1.5	6	98.7	0.47	0.47	0.00	1.46	10.4	15.2	2.14	0.11
10.01	33.7	0.41	1.22	-1.9	7	98.7	0.48	0.48	0.00	1.44	10.7	15.5	UnDef	0.11
10.17	42.5	0.33	0.78	-1.2	7	98.7	0.49	0.49	0.00	1.43	13.6	19.4	UnDef	0.11
10.33	42.7	0.32	0.75	-1.1	7	98.7	0.50	0.50	0.00	1.42	13.6	19.4	UnDef	0.11
10.50	41.5	0.36	0.87	-1.2	7	98.7	0.50	0.50	0.00	1.41	13.3	18.7	UnDef	0.11
10.66	36.2	0.55	1.52	-1.3	7	98.7	0.51	0.51	0.00	1.40	11.6	16.2	UnDef	0.12
10.83	30.0	0.64	2.14	-1.2	6	98.7	0.52	0.52	0.00	1.39	11.5	15.9	2.35	0.13
10.99	25.1	0.62	2.48	0.2	6	98.7	0.53	0.53	0.00	1.38	9.6	13.2	1.97	0.14
11.15	24.9	0.51	2.05	1.9	6	98.7	0.54	0.54	0.00	1.37	9.5	13.0	1.95	0.12
11.32	23.8	0.38	1.60	4.2	6	98.7	0.54	0.54	0.00	1.36	9.1	12.4	1.86	0.10
11.48	22.1	0.36	1.63	6.6	6	98.7	0.55	0.55	0.00	1.35	8.5	11.4	1.72	0.10
11.65	22.2	0.36	1.63	10.7	6	98.7	0.56	0.56	0.00	1.34	8.5	11.3	1.73	0.10
.81	26.4	0.32	1.22	13.7	6	98.7	0.57	0.57	0.00	1.33	10.1	13.4	2.07	0.10
1.97	36.4	0.34	0.94	5.4	7	98.7	0.58	0.58	0.00	1.32	11.6	15.3	UnDef	0.10
12.14	46.1	0.39	0.85	-0.6	7	98.7	0.58	0.58	0.00	1.31	14.7	19.3	UnDef	0.11
12.30	55.7	0.43	0.77	-1.3	8	101.8	0.59	0.59	0.00	1.30	13.3	17.3	UnDef	0.13
12.47	61.4	0.42	0.69	-1.1	8	101.8	0.60	0.60	0.00	1.29	14.7	19.0	UnDef	0.14
12.63	62.5	0.50	0.80	-1.1	8	101.8	0.61	0.61	0.00	1.28	15.0	19.2	UnDef	0.14
12.80	62.6	0.61	0.98	-1.1	8	101.8	0.62	0.62	0.00	1.27	15.0	19.1	UnDef	0.15
12.96	58.1	0.66	1.14	-1.0	7	98.7	0.63	0.63	0.00	1.26	18.5	23.4	UnDef	0.15
13.12	53.6	0.65	1.22	-1.1	7	98.7	0.63	0.63	0.00	1.26	17.1	21.5	UnDef	0.14
13.29	54.5	0.59	1.09	-1.2	7	98.7	0.64	0.64	0.00	1.25	17.4	21.7	UnDef	0.14
13.45	54.6	0.66	1.21	-1.1	7	98.7	0.65	0.65	0.00	1.24	17.4	21.6	UnDef	0.14
13.62	47.6	0.71	1.50	-1.1	7	98.7	0.66	0.66	0.00	1.23	15.2	18.7	UnDef	0.14
13.78	46.1	0.71	1.55	-1.2	7	98.7	0.67	0.67	0.00	1.22	14.7	18.0	UnDef	0.13
13.94	49.6	0.71	1.44	-1.1	7	98.7	0.67	0.67	0.00	1.22	15.8	19.3	UnDef	0.14
14.11	49.8	0.65	1.31	-1.1	7	98.7	0.68	0.68	0.00	1.21	15.9	19.2	UnDef	0.13
14.27	51.4	0.54	1.05	-1.1	7	98.7	0.69	0.69	0.00	1.20	16.4	19.7	UnDef	0.13
14.44	54.9	0.58	1.06	-1.2	7	98.7	0.70	0.70	0.00	1.20	17.5	20.9	UnDef	0.13
14.60	53.6	0.69	1.29	-1.2	7	98.7	0.71	0.71	0.00	1.19	17.1	20.3	UnDef	0.14
14.76	50.8	0.76	1.50	-1.1	7	98.7	0.72	0.72	0.00	1.18	16.2	19.2	UnDef	0.14
14.93	49.2	0.68	1.39	-1.0	7	98.7	0.72	0.72	0.00	1.18	15.7	18.5	UnDef	0.13
15.09	50.3	0.70	1.40	-1.1	7	98.7	0.73	0.73	0.00	1.17	16.0	18.8	UnDef	0.14
15.26	49.9	0.60	1.21	-1.2	7	98.7	0.74	0.74	0.00	1.16	15.9	18.5	UnDef	0.13
15.42	50.3	0.57	1.14	-0.9	7	98.7	0.75	0.75	0.00	1.16	16.0	18.6	UnDef	0.13
15.58	53.5	0.57	1.07	-0.8	7	98.7	0.76	0.76	0.00	1.15	17.1	19.6	UnDef	0.13
15.75	55.2	0.62	1.13	-0.9	7	98.7	0.76	0.76	0.00	1.14	17.6	20.2	UnDef	0.13
15.91	54.4	0.60	1.11	-0.9	7	98.7	0.77	0.77	0.00	1.14	17.4	19.7	UnDef	0.13
16.08	53.7	0.81	1.51	-0.6	7	98.7	0.78	0.78	0.00	1.13	17.1	19.4	UnDef	0.15
16.24	51.6	0.78	1.52	-0.6	7	98.7	0.79	0.79	0.00	1.13	16.5	18.5	UnDef	0.14
16.40	47.5	0.79	1.67	-1.0	7	98.7	0.80	0.80	0.00	1.12	15.2	17.0	UnDef	0.14
16.57	45.3	0.90	1.99	-1.0	6	98.7	0.80	0.80	0.00	1.12	17.3	19.3	3.56	0.16
16.73	41.8	0.88	2.11	-0.4	6	98.7	0.81	0.81	0.00	1.11	16.0	17.8	3.28	0.16
.90	37.2	0.85	2.29	1.0	6	98.7	0.82	0.82	0.00	1.10	14.2	15.7	2.91	0.17
.06	37.9	0.85	2.25	3.3	6	98.7	0.83	0.83	0.00	1.10	14.5	15.9	2.97	0.17
7.22	42.4	0.66	1.56	2.3	7	98.7	0.84	0.84	0.00	1.09	13.5	14.8	UnDef	0.13
17.39	53.4	0.61	1.14	2.8	7	98.7	0.84	0.84	0.00	1.09	17.1	18.6	UnDef	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4485
CPT File: 315CP17.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	54.9	0.53	0.97	-0.3	7	98.7	0.85	0.85	0.00	1.08	17.5	19.0	UnDef	0.12
17.72	55.2	0.68	1.24	-0.5	7	98.7	0.86	0.86	0.00	1.08	17.6	19.0	UnDef	0.14
17.88	47.5	0.84	1.77	-0.4	7	98.7	0.87	0.87	0.00	1.07	15.2	16.3	UnDef	0.15
18.04	42.2	0.85	2.02	0.2	6	98.7	0.88	0.88	0.00	1.07	16.2	17.2	3.30	0.16
18.21	39.1	0.77	1.97	0.3	6	98.7	0.89	0.89	0.00	1.06	15.0	15.9	3.06	0.15
18.37	43.2	0.55	1.27	-0.4	7	98.7	0.89	0.89	0.00	1.06	13.8	14.6	UnDef	0.12
18.54	49.3	0.48	0.98	0.4	7	98.7	0.90	0.90	0.00	1.05	15.7	16.6	UnDef	0.12
18.70	51.6	0.48	0.93	-0.4	7	98.7	0.91	0.91	0.00	1.05	16.5	17.3	UnDef	0.12
18.86	57.4	0.54	0.94	-0.4	7	98.7	0.92	0.92	0.00	1.04	18.3	19.1	UnDef	0.13
19.03	59.6	0.48	0.81	-0.3	8	101.8	0.93	0.93	0.00	1.04	14.3	14.8	UnDef	0.12
19.19	58.8	0.51	0.87	-0.2	8	101.8	0.93	0.93	0.00	1.03	14.1	14.6	UnDef	0.13
19.36	50.8	0.59	1.16	-0.3	7	98.7	0.94	0.94	0.00	1.03	16.2	16.7	UnDef	0.13
19.52	43.2	0.73	1.69	-0.3	7	98.7	0.95	0.95	0.00	1.03	13.8	14.2	UnDef	0.14
19.68	35.5	0.72	2.03	-0.3	6	98.7	0.96	0.96	0.00	1.02	13.6	13.9	2.76	0.16
19.85	31.9	0.71	2.23	1.4	6	98.7	0.97	0.97	0.00	1.02	12.2	12.4	2.48	0.20
20.01	29.8	0.49	1.65	4.9	6	98.7	0.97	0.97	0.00	1.01	11.4	11.6	2.31	0.14
20.18	26.5	0.50	1.89	9.5	6	98.7	0.98	0.98	0.00	1.01	10.1	10.2	2.04	0.19
20.34	27.1	0.48	1.78	12.8	6	98.7	0.99	0.99	0.00	1.00	10.4	10.4	2.09	0.16
20.51	27.4	0.43	1.57	15.9	6	98.7	1.00	1.00	0.00	1.00	10.5	10.5	2.11	0.14
20.67	28.1	0.37	1.32	18.2	6	98.7	1.01	1.01	0.00	1.00	10.8	10.7	2.16	0.12
20.83	28.5	0.37	1.30	20.5	6	98.7	1.02	1.02	0.00	0.99	10.9	10.8	2.20	0.12
21.00	28.4	0.41	1.45	22.3	6	98.7	1.02	1.02	0.00	0.99	10.9	10.8	2.19	0.13
21.16	30.5	0.42	1.38	24.0	6	98.7	1.03	1.03	0.00	0.98	11.7	11.5	2.35	0.12
21.33	25.0	0.41	1.64	25.2	6	98.7	1.04	1.04	0.00	0.98	9.6	9.4	1.92	0.17
21.49	24.8	0.40	1.61	26.3	6	98.7	1.05	1.05	0.00	0.98	9.5	9.3	1.90	0.17
21.65	31.0	0.43	1.39	27.3	6	98.7	1.06	1.06	0.00	0.97	11.9	11.6	2.39	0.12
21.82	29.4	0.63	2.15	11.8	6	98.7	1.06	1.06	0.00	0.97	11.3	10.9	2.27	0.27
21.98	28.0	0.54	1.93	15.9	6	98.7	1.07	1.07	0.00	0.97	10.7	10.4	2.15	0.23
22.15	35.3	0.65	1.85	21.8	6	98.7	1.08	1.08	0.00	0.96	13.5	13.0	2.74	0.16
31	30.1	0.56	1.86	10.9	6	98.7	1.09	1.09	0.00	0.96	11.5	11.1	2.32	0.19
.47	27.4	0.47	1.72	13.9	6	98.7	1.10	1.10	0.00	0.96	10.5	10.0	2.10	0.19
22.64	26.8	0.41	1.53	15.4	6	98.7	1.10	1.10	0.00	0.95	10.3	9.8	2.06	0.16
22.80	30.1	0.44	1.47	17.0	6	98.7	1.11	1.11	0.00	0.95	11.5	10.9	2.32	0.14
22.97	29.3	0.44	1.50	18.2	6	98.7	1.12	1.12	0.00	0.94	11.2	10.6	2.26	0.14
23.13	33.0	0.51	1.55	19.6	6	98.7	1.13	1.13	0.00	0.94	12.6	11.9	2.55	0.14
23.29	39.0	0.55	1.42	12.3	7	98.7	1.14	1.14	0.00	0.94	12.4	11.7	UnDef	0.13
23.46	47.3	0.59	1.25	8.1	7	98.7	1.14	1.14	0.00	0.93	15.1	14.1	UnDef	0.13
23.62	53.6	0.76	1.42	2.5	7	98.7	1.15	1.15	0.00	0.93	17.1	15.9	UnDef	0.14
23.79	51.8	0.87	1.68	0.4	7	98.7	1.16	1.16	0.00	0.93	16.5	15.3	UnDef	0.16
23.95	49.8	0.94	1.89	1.2	7	98.7	1.17	1.17	0.00	0.92	15.9	14.7	UnDef	0.18
24.11	50.9	1.15	2.27	0.3	6	98.7	1.18	1.18	0.00	0.92	19.5	18.0	3.97	0.23
24.28	46.3	1.08	2.34	0.3	6	98.7	1.19	1.19	0.00	0.92	17.7	16.3	3.61	0.25
24.44	44.2	1.12	2.54	1.3	6	98.7	1.19	1.19	0.00	0.92	16.9	15.5	3.44	0.31
24.61	40.4	0.85	2.11	2.6	6	98.7	1.20	1.20	0.00	0.91	15.5	14.1	3.14	0.22
24.77	44.4	0.87	1.96	3.0	6	98.7	1.21	1.21	0.00	0.91	17.0	15.5	3.46	0.19
24.93	48.2	0.74	1.54	1.1	7	98.7	1.22	1.22	0.00	0.91	15.4	13.9	UnDef	0.15
25.10	58.3	0.68	1.17	0.4	7	98.7	1.23	1.23	0.00	0.90	18.6	16.8	UnDef	0.14
25.26	66.4	0.59	0.89	-0.2	8	101.8	1.23	1.23	0.00	0.90	15.9	14.3	UnDef	0.13
25.43	82.7	0.90	1.09	-0.4	8	101.8	1.24	1.24	0.00	0.90	19.8	17.8	UnDef	0.17
25.59	90.8	1.38	1.52	0.0	7	98.7	1.25	1.25	0.00	0.89	29.0	25.9	UnDef	0.23
25.75	118.0	0.02	0.02	0.3	9	101.8	1.26	1.26	0.00	0.89	22.6	20.1	UnDef	0.18
25.92	202.1	0.02	0.01	1.1	10	127.3	1.27	1.27	0.00	0.89	32.3	28.7	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4485
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-17
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 15:39
CPT File: 315CP17.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	804.4	0.41	10	9.4	0.0	9.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.7
0.33	5.0E-05	0.00	753.1	0.20	10	19.1	0.0	19.1	0.0	50	62.6	10.0	-0.23	0.0	7.6
0.49	5.0E-04	0.00	790.5	0.12	10	32.3	0.0	32.3	0.0	50	70.8	1.0	-0.19	0.0	10.8
0.66	5.0E-04	0.00	668.4	0.10	10	37.7	0.0	37.7	0.0	50	70.6	1.0	-0.16	0.0	12.6
0.82	5.0E-04	0.00	633.0	0.08	10	45.5	0.0	45.5	0.0	50	72.5	1.0	-0.14	0.0	15.2
0.98	5.0E-04	0.00	762.8	0.37	10	66.7	0.0	66.7	0.0	50	80.7	1.0	-0.28	0.0	22.2
1.15	5.0E-04	0.00	1000.0	1.02	10	106.0	0.0	106.0	0.5	50	91.6	1.0	-0.41	0.0	35.3
1.31	5.0E-04	0.00	1000.0	1.16	9	122.4	0.0	122.4	1.2	50	93.7	1.0	-0.42	0.0	40.8
.48	5.0E-04	0.00	1000.0	1.40	12	141.3	UnDef	UnDef	0.0	50	95.0	1.0	-0.45	UnDef	UnDef
.64	5.0E-04	0.00	1000.0	1.85	12	149.9	UnDef	UnDef	0.0	50	95.0	1.0	-0.50	UnDef	UnDef
1.80	5.0E-05	0.00	627.9	2.62	12	103.6	UnDef	UnDef	0.0	50	84.2	10.0	-0.53	UnDef	UnDef
1.97	5.0E-06	0.00	373.8	2.95	12	67.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.13	5.0E-05	0.00	239.7	2.03	9	46.6	6.9	53.5	9.8	46	59.0	10.0	-0.36	1.6	20.3
2.30	5.0E-05	0.00	166.3	1.38	9	35.0	4.4	39.4	9.1	44	49.7	10.0	-0.27	1.0	15.0
2.46	5.0E-05	0.00	136.7	0.81	9	30.9	1.8	32.7	7.1	44	45.1	10.0	-0.20	0.4	12.8
2.62	5.0E-05	0.00	135.0	0.71	9	32.7	1.3	33.9	6.4	44	45.7	10.0	-0.18	0.3	13.4
2.79	5.0E-05	0.00	138.8	1.19	9	35.7	4.7	40.4	9.3	44	47.4	10.0	-0.24	1.1	15.4
2.95	5.0E-05	0.00	160.5	1.37	9	43.8	5.7	49.5	9.3	44	52.4	10.0	-0.27	1.4	18.9
3.12	5.0E-05	-0.01	146.1	1.60	9	42.2	8.4	50.5	11.2	44	50.5	10.0	-0.28	1.9	18.8
3.28	5.0E-05	-0.01	123.1	1.55	9	37.5	9.0	46.5	12.2	42	46.4	10.0	-0.25	2.1	17.1
3.44	5.0E-05	-0.01	117.9	1.64	9	37.8	10.3	48.1	13.1	42	45.9	10.0	-0.26	2.3	17.5
3.61	5.0E-05	-0.01	113.0	1.53	9	38.0	10.0	48.0	12.8	42	45.4	10.0	-0.24	2.3	17.5
3.77	5.0E-05	-0.01	95.3	1.62	7	33.6	11.9	45.4	14.8	42	41.2	10.0	-0.23	2.6	16.1
3.94	5.0E-05	-0.02	82.5	1.53	7	30.4	12.1	42.5	15.7	42	37.7	10.0	-0.21	2.6	14.8
4.10	5.0E-05	0.00	75.0	1.48	7	28.9	12.5	41.3	16.3	40	35.6	10.0	-0.20	2.7	14.2
4.27	5.0E-06	0.00	64.8	1.80	7	25.9	16.7	42.7	19.7	UnDef	UnDef	10.0	UnDef	4.2	17.2
4.43	5.0E-06	0.00	58.1	1.78	7	24.1	17.6	41.7	20.8	UnDef	UnDef	10.0	UnDef	4.3	16.4
4.59	5.0E-06	0.00	51.9	1.76	7	22.3	18.5	40.8	22.0	UnDef	UnDef	10.0	UnDef	4.4	15.6
4.76	5.0E-05	0.00	50.1	1.23	7	22.3	13.4	35.7	19.1	38	30.0	10.0	-0.14	2.7	11.6
4.92	5.0E-06	0.00	42.5	1.30	7	19.6	15.6	35.2	21.6	UnDef	UnDef	6.0	UnDef	3.8	13.5
5.09	5.0E-06	0.00	42.8	1.16	7	20.3	14.3	34.6	20.5	UnDef	UnDef	6.0	UnDef	3.5	13.7
5.25	5.0E-05	0.00	50.2	1.20	7	24.5	14.3	38.8	18.8	38	30.0	10.0	-0.14	2.9	12.7
5.41	5.0E-05	0.00	56.5	1.24	7	28.4	14.6	43.0	17.8	40	31.4	10.0	-0.15	3.0	14.2
5.58	5.0E-06	0.00	51.8	1.97	7	26.6	25.2	51.8	23.2	UnDef	UnDef	10.0	UnDef	5.7	18.7
5.74	5.0E-05	0.01	59.8	1.66	7	31.1	20.2	51.3	19.8	40	33.8	10.0	-0.19	4.0	16.1
5.91	5.0E-06	0.03	47.5	1.88	7	25.1	25.4	50.5	23.8	UnDef	UnDef	6.0	UnDef	5.6	17.9
6.07	5.0E-06	0.03	43.7	1.76	7	23.5	24.6	48.0	24.2	UnDef	UnDef	6.0	UnDef	5.4	16.9
6.23	5.0E-05	0.04	43.0	1.42	7	23.4	20.0	43.4	22.3	38	30.0	6.0	-0.13	3.7	12.9
6.40	5.0E-05	0.04	40.4	1.23	7	22.3	18.0	40.2	21.7	38	30.0	6.0	-0.12	3.4	12.1
.56	5.0E-05	0.04	42.4	1.22	7	23.7	17.6	41.3	21.0	38	30.0	6.0	-0.12	3.4	12.7
.73	5.0E-05	0.04	46.6	1.21	7	26.3	17.2	43.5	19.8	38	30.0	6.0	-0.13	3.4	13.7
.89	5.0E-05	0.04	47.6	1.35	7	27.2	19.3	46.4	20.5	38	30.0	6.0	-0.14	3.7	14.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4485
CPT File: 315CP17.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.05	42.0	1.57	7	24.4	23.8	48.2	23.5	38	30.0	6.0	-0.14	4.3	13.8
7.22	5.0E-05	0.04	45.2	1.55	7	26.5	23.1	49.6	22.5	38	30.0	6.0	-0.15	4.3	14.6
7.38	5.0E-05	0.04	48.4	1.53	7	28.7	22.6	51.2	21.5	38	31.4	6.0	-0.15	4.3	15.5
7.55	5.0E-05	0.03	49.9	1.40	7	29.8	20.5	50.4	20.3	38	32.6	6.0	-0.15	4.0	15.7
7.71	5.0E-05	0.04	46.7	1.46	7	28.3	22.2	50.5	21.5	38	31.1	6.0	-0.15	4.2	15.3
7.87	5.0E-05	0.03	44.3	1.27	7	27.1	19.8	47.0	20.8	38	30.0	6.0	-0.13	3.8	14.4
8.04	5.0E-05	0.03	40.1	1.30	7	24.9	21.4	46.4	22.3	38	30.0	6.0	-0.12	4.0	13.7
8.20	5.0E-05	0.04	35.1	1.24	7	22.1	22.0	44.1	23.7	38	30.0	6.0	-0.10	3.9	12.6
8.37	5.0E-05	0.04	36.6	1.16	7	23.3	20.4	43.7	22.5	38	30.0	6.0	-0.10	3.8	12.9
8.53	5.0E-05	0.04	36.5	1.08	7	23.5	19.2	42.6	21.8	38	30.0	6.0	-0.09	3.6	12.8
8.69	5.0E-05	0.05	35.4	1.43	7	23.0	26.1	49.1	24.9	38	30.0	6.0	-0.11	4.5	13.5
8.86	5.0E-06	0.05	35.8	1.92	7	23.4	36.8	60.2	27.9	UnDef	UnDef	6.0	UnDef	7.1	18.5
9.02	5.0E-05	0.06	43.5	1.82	7	28.6	31.3	59.9	24.6	38	31.4	6.0	-0.16	5.4	16.6
9.19	5.0E-05	0.06	43.9	1.87	7	29.1	32.6	61.7	24.8	38	31.9	6.0	-0.16	5.6	17.0
9.35	5.0E-05	0.04	53.8	1.37	7	35.9	21.9	57.8	19.2	40	37.9	10.0	-0.15	4.4	18.4
9.51	5.0E-05	0.00	63.0	1.29	7	42.3	19.8	62.0	16.9	40	42.6	10.0	-0.17	4.1	20.7
9.68	5.0E-05	0.00	60.0	1.59	7	40.7	25.1	65.7	19.3	40	41.5	10.0	-0.18	5.0	20.9
9.84	5.0E-05	0.00	56.8	1.76	7	38.9	28.7	67.6	20.9	40	40.2	10.0	-0.19	5.5	20.7
10.01	5.0E-04	0.00	69.2	1.24	7	47.5	18.8	66.3	15.6	40	46.0	1.0	-0.17	3.3	18.9
10.17	5.0E-04	0.00	86.2	0.79	9	59.6	9.9	69.5	10.3	42	52.4	1.0	-0.15	1.9	21.3
10.33	5.0E-04	0.00	85.2	0.76	9	59.4	9.6	69.0	10.2	42	52.3	1.0	-0.15	1.8	21.2
10.50	5.0E-04	0.00	81.4	0.88	9	57.2	12.1	69.3	11.5	42	51.3	1.0	-0.16	2.3	21.0
10.66	5.0E-04	0.00	69.7	1.54	7	49.5	24.6	74.1	17.4	40	47.1	1.0	-0.20	4.2	20.4
10.83	5.0E-05	0.00	56.6	2.18	7	40.6	38.5	79.2	23.2	40	41.5	10.0	-0.21	7.0	22.9
10.99	5.0E-05	0.00	46.5	2.53	7	33.8	50.6	84.4	27.5	38	36.2	6.0	-0.21	7.9	21.2
11.15	5.0E-05	0.00	45.5	2.10	7	33.3	40.6	73.9	25.6	38	35.8	6.0	-0.18	6.8	19.9
11.32	5.0E-05	0.01	42.7	1.64	7	31.5	31.7	63.2	23.8	38	34.2	6.0	-0.15	5.6	18.0
11.48	5.0E-05	0.01	39.0	1.68	7	29.1	34.1	63.2	25.2	38	31.9	6.0	-0.14	5.8	17.2
11.65	5.0E-05	0.02	38.5	1.67	7	29.0	34.4	63.4	25.3	38	31.7	6.0	-0.14	5.8	17.2
.81	5.0E-05	0.02	45.4	1.24	7	34.2	23.7	58.0	20.3	38	36.6	6.0	-0.13	4.6	18.0
.97	5.0E-04	0.00	62.1	0.95	9	46.9	16.3	63.2	14.7	40	45.6	1.0	-0.14	2.9	18.2
12.14	5.0E-04	0.00	77.8	0.86	9	59.0	13.0	72.0	11.8	40	52.2	1.0	-0.15	2.5	21.7
12.30	5.0E-03	0.00	92.9	0.78	9	70.8	10.1	80.9	9.7	42	57.4	1.0	-0.16	1.5	18.8
12.47	5.0E-03	0.00	101.2	0.69	9	77.5	7.5	85.0	8.3	42	60.0	1.0	-0.16	1.1	20.1
12.63	5.0E-03	0.00	101.5	0.81	9	78.4	9.8	88.2	9.2	42	60.3	1.0	-0.17	1.4	20.6
12.80	5.0E-03	0.00	100.3	0.99	9	77.9	13.5	91.4	10.5	42	60.1	1.0	-0.19	1.9	21.0
12.96	5.0E-04	0.00	91.7	1.15	9	71.8	17.6	89.4	12.4	42	57.8	1.0	-0.19	3.3	26.7
13.12	5.0E-04	0.00	83.5	1.23	9	65.8	20.0	85.8	13.7	42	55.3	1.0	-0.19	3.7	25.1
13.29	5.0E-04	0.00	83.8	1.10	9	66.5	17.6	84.1	12.8	42	55.6	1.0	-0.18	3.3	25.0
13.45	5.0E-04	0.00	82.9	1.23	9	66.3	20.2	86.5	13.8	42	55.5	1.0	-0.19	3.7	25.3
13.62	5.0E-04	0.00	71.2	1.52	7	57.4	27.2	84.5	17.0	40	51.4	1.0	-0.20	4.7	23.4
13.78	5.0E-04	0.00	68.1	1.57	7	55.2	28.7	83.9	17.8	40	50.2	1.0	-0.19	4.9	22.9
13.94	5.0E-04	0.00	72.4	1.46	7	59.0	26.2	85.2	16.5	40	52.2	1.0	-0.19	4.6	23.8
14.11	5.0E-04	0.00	71.9	1.33	7	59.0	23.8	82.8	15.8	40	52.2	1.0	-0.18	4.2	23.5
14.27	5.0E-04	0.00	73.4	1.07	9	60.5	18.7	79.3	13.8	40	52.9	1.0	-0.16	3.4	23.2
14.44	5.0E-04	0.00	77.5	1.07	9	64.2	18.5	82.7	13.4	40	54.6	1.0	-0.17	3.4	24.4
14.60	5.0E-04	0.00	74.8	1.31	7	62.4	23.6	85.9	15.3	40	53.7	1.0	-0.19	4.2	24.6
14.76	5.0E-04	0.00	70.1	1.52	7	58.8	28.5	87.3	17.2	40	52.1	1.0	-0.19	4.9	24.1
14.93	5.0E-04	0.00	67.0	1.41	7	56.6	26.7	83.3	17.0	40	51.0	1.0	-0.18	4.6	23.1
15.09	5.0E-04	0.00	67.7	1.42	7	57.5	27.0	84.5	17.0	40	51.4	1.0	-0.18	4.7	23.4
15.26	5.0E-04	0.00	66.4	1.22	7	56.8	23.3	80.1	15.9	40	51.0	1.0	-0.17	4.1	22.6
15.42	5.0E-04	0.00	66.2	1.15	7	56.9	22.1	79.0	15.5	40	51.1	1.0	-0.16	3.9	22.5
15.58	5.0E-04	0.00	69.7	1.08	9	60.2	20.4	80.5	14.5	40	52.7	1.0	-0.16	3.7	23.3
15.75	5.0E-04	0.00	71.2	1.14	9	61.8	21.5	83.3	14.7	40	53.5	1.0	-0.17	3.9	24.0
15.91	5.0E-04	0.00	69.4	1.12	9	60.5	21.4	81.9	14.8	40	52.9	1.0	-0.16	3.9	23.6
16.08	5.0E-04	0.00	67.9	1.53	7	59.5	30.3	89.8	17.6	40	52.4	1.0	-0.19	5.2	24.6
16.24	5.0E-04	0.00	64.4	1.54	7	56.8	31.1	87.9	18.2	40	51.1	1.0	-0.19	5.3	23.8
16.40	5.0E-04	0.00	58.7	1.69	7	52.1	35.6	87.7	20.2	40	48.6	1.0	-0.19	5.8	22.8
16.57	5.0E-05	0.00	55.3	2.03	7	49.4	44.4	93.8	22.7	40	47.1	10.0	-0.20	8.1	27.5
16.73	5.0E-05	0.00	50.4	2.15	7	45.4	49.4	94.8	24.5	38	44.6	10.0	-0.20	8.6	26.4
16.90	5.0E-05	0.00	44.3	2.34	7	40.2	58.5	98.6	27.2	38	41.1	6.0	-0.20	9.3	25.0
.06	5.0E-05	0.00	44.7	2.30	7	40.7	57.0	97.8	26.8	38	41.5	6.0	-0.19	9.2	25.1
.22	5.0E-04	0.00	49.6	1.59	7	45.3	36.0	81.3	21.6	38	44.6	1.0	-0.16	5.7	20.4
17.39	5.0E-04	0.00	62.2	1.16	7	56.9	24.2	81.1	16.2	40	51.1	1.0	-0.16	4.3	22.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4485
CPT File: 315CP17.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	63.4	0.98	9	58.2	20.3	78.5	14.7	40	51.8	1.0	-0.14	3.7	22.7
17.72	5.0E-04	0.00	63.1	1.25	7	58.2	26.3	84.5	16.7	40	51.8	1.0	-0.16	4.6	23.6
17.88	5.0E-04	0.00	53.7	1.80	7	49.9	40.9	90.8	21.9	40	47.3	1.0	-0.19	6.4	22.7
18.04	5.0E-05	0.00	47.1	2.06	7	44.1	50.2	94.2	24.9	38	43.8	6.0	-0.19	8.6	25.9
18.21	5.0E-05	0.00	43.2	2.02	7	40.7	51.1	91.7	25.9	38	41.5	6.0	-0.17	8.5	24.4
18.37	5.0E-04	0.00	47.4	1.30	7	44.8	30.7	75.4	20.2	38	44.2	1.0	-0.14	5.0	19.6
18.54	5.0E-04	0.00	53.7	0.99	7	50.8	22.6	73.4	16.5	40	47.9	1.0	-0.13	4.0	20.5
18.70	5.0E-04	0.00	55.7	0.95	7	52.9	21.4	74.3	15.8	40	49.0	1.0	-0.13	3.8	21.1
18.86	5.0E-04	0.00	61.5	0.96	9	58.6	20.8	79.4	14.8	40	52.0	1.0	-0.14	3.7	22.9
19.03	5.0E-03	0.00	63.4	0.82	9	60.6	17.6	78.2	13.4	40	52.9	1.0	-0.13	2.4	17.3
19.19	5.0E-03	0.00	61.9	0.88	9	59.5	19.3	78.8	14.2	40	52.4	1.0	-0.13	2.6	17.2
19.36	5.0E-04	0.00	52.9	1.19	7	51.2	27.6	78.8	18.1	40	48.1	1.0	-0.14	4.7	21.4
19.52	5.0E-04	0.00	44.5	1.73	7	43.4	43.7	87.1	23.8	38	43.4	1.0	-0.16	6.5	20.6
19.68	5.0E-05	0.00	36.0	2.09	7	35.5	61.5	97.0	28.8	38	37.6	6.0	-0.16	9.1	23.0
19.85	5.0E-05	0.00	32.0	2.30	6	31.8	78.5	110.3	31.7	36	34.4	6.0	-0.16	10.0	22.4
20.01	5.0E-05	0.01	29.6	1.70	7	29.5	55.1	84.7	29.4	36	32.3	6.0	-0.12	7.9	19.5
20.18	5.0E-05	0.01	25.9	1.97	6	26.1	78.6	104.7	33.1	34	30.0	6.0	-0.12	9.1	19.3
20.34	5.0E-05	0.02	26.3	1.84	7	26.6	69.8	96.4	32.1	34	30.0	6.0	-0.11	8.6	19.0
20.51	5.0E-05	0.02	26.4	1.63	7	26.8	58.3	85.2	30.7	36	30.0	6.0	-0.10	7.9	18.4
20.67	5.0E-05	0.02	26.9	1.37	7	27.4	46.3	73.6	28.5	36	30.1	6.0	-0.09	6.9	17.6
20.83	5.0E-05	0.02	27.1	1.35	7	27.7	45.3	73.0	28.2	36	30.5	6.0	-0.09	6.9	17.7
21.00	5.0E-05	0.03	26.8	1.50	7	27.5	52.3	79.7	29.5	36	30.2	6.0	-0.09	7.5	18.2
21.16	5.0E-05	0.03	28.5	1.43	7	29.3	47.0	76.3	28.1	36	32.1	6.0	-0.10	7.2	18.7
21.33	5.0E-05	0.03	23.1	1.71	6	24.0	75.7	99.7	33.4	34	30.0	6.0	-0.09	8.5	17.9
21.49	5.0E-05	0.03	22.7	1.69	6	23.8	75.6	99.4	33.5	34	30.0	6.0	-0.08	8.4	17.7
21.65	5.0E-05	0.03	28.3	1.44	7	29.5	48.1	77.6	28.2	36	32.3	6.0	-0.09	7.3	18.9
21.82	5.0E-05	0.01	26.7	2.23	6	27.9	98.7	126.6	34.2	36	30.7	6.0	-0.13	10.4	21.3
21.98	5.0E-05	0.02	25.1	2.01	6	26.5	89.7	116.2	33.9	34	30.0	6.0	-0.11	9.7	20.0
22.15	5.0E-05	0.02	31.7	1.90	7	33.2	63.5	96.8	29.6	36	35.7	6.0	-0.13	9.1	22.1
22.31	5.0E-05	0.01	26.7	1.93	6	28.3	77.4	105.7	32.4	36	31.1	6.0	-0.12	9.4	20.4
22.47	5.0E-05	0.02	24.0	1.79	6	25.6	79.1	104.7	33.3	34	30.0	6.0	-0.10	9.0	19.0
22.64	5.0E-05	0.02	23.3	1.60	7	25.0	68.7	93.7	32.5	34	30.0	6.0	-0.08	8.3	18.1
22.80	5.0E-05	0.02	26.1	1.52	7	27.9	56.8	84.7	30.1	34	30.7	6.0	-0.09	7.9	18.8
22.97	5.0E-05	0.02	25.2	1.56	7	27.1	61.1	88.3	30.9	34	30.0	6.0	-0.09	8.1	18.7
23.13	5.0E-05	0.02	28.2	1.60	7	30.4	57.0	87.4	29.4	36	33.1	6.0	-0.10	8.2	20.1
23.29	5.0E-04	0.01	33.3	1.46	7	35.8	45.5	81.3	26.0	36	37.8	1.0	-0.11	6.3	18.0
23.46	5.0E-04	0.01	40.3	1.28	7	43.3	36.4	79.7	22.1	38	43.3	1.0	-0.12	5.6	19.8
23.62	5.0E-04	0.00	45.5	1.45	7	48.9	39.5	88.4	21.7	38	46.7	1.0	-0.15	6.2	22.1
23.79	5.0E-04	0.00	43.6	1.72	7	47.1	48.4	95.4	24.0	38	45.7	1.0	-0.16	7.1	22.5
23.95	5.0E-04	0.00	41.6	1.94	7	45.0	56.9	101.9	25.9	38	44.4	1.0	-0.17	7.9	22.6
24.11	5.0E-05	0.00	42.2	2.32	7	45.9	71.0	116.9	27.8	38	44.9	6.0	-0.19	11.0	29.0
24.28	5.0E-05	0.00	38.0	2.40	7	41.6	80.1	121.6	29.7	38	42.1	6.0	-0.18	11.4	27.7
24.44	5.0E-05	0.00	36.0	2.61	6	39.6	95.5	135.2	31.5	38	40.7	6.0	-0.19	12.3	27.8
24.61	5.0E-05	0.00	32.6	2.17	7	36.1	79.0	115.0	30.7	36	38.0	6.0	-0.15	10.6	24.7
24.77	5.0E-05	0.00	35.7	2.02	7	39.5	66.5	106.0	28.5	38	40.7	6.0	-0.15	10.0	25.5
24.93	5.0E-04	0.00	38.6	1.58	7	42.7	47.6	90.3	24.7	38	42.9	1.0	-0.14	6.9	20.8
25.10	5.0E-04	0.00	46.6	1.19	7	51.6	33.2	84.8	19.7	38	48.3	1.0	-0.13	5.5	22.3
25.26	5.0E-03	0.00	52.8	0.91	7	58.5	24.4	82.9	16.0	40	51.9	1.0	-0.12	3.2	17.6
25.43	5.0E-03	0.00	65.5	1.11	7	72.6	27.4	100.0	15.3	40	58.1	1.0	-0.16	3.7	21.4
25.59	5.0E-04	0.00	71.6	1.55	7	79.4	38.1	117.6	17.1	40	60.7	1.0	-0.20	6.6	32.5
25.75	5.0E-02	0.00	92.7	0.02	9	102.9	0.0	102.9	4.3	42	68.1	1.0	0.16	0.0	20.1
25.92	5.0E+00	0.00	158.4	0.01	10	175.6	0.0	175.6	2.7	44	83.4	1.0	0.16	0.0	28.7

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4518
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-18
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 16:19
CPT File: 315CP18.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.0	0.06	1.21	-0.4	1	74.5	0.01	0.01	0.00	2.00	2.4	4.8	0.40	0.00
0.33	6.5	0.07	1.09	-0.8	5	85.3	0.01	0.01	0.00	2.00	3.1	6.2	0.52	0.00
0.49	8.2	0.05	0.61	-0.6	5	85.3	0.02	0.02	0.00	2.00	3.9	7.9	0.66	0.00
0.66	7.5	0.03	0.40	-0.8	1	74.5	0.03	0.03	0.00	2.00	3.6	7.2	0.60	0.00
0.82	8.0	0.02	0.25	-0.5	1	74.5	0.03	0.03	0.00	2.00	3.9	7.7	0.64	0.00
0.98	9.7	0.02	0.21	-0.5	6	98.7	0.04	0.04	0.00	2.00	3.7	7.4	0.77	0.00
1.15	11.8	0.02	0.17	-0.5	6	98.7	0.05	0.05	0.00	2.00	4.5	9.0	0.94	0.00
31	14.2	0.02	0.14	-0.5	6	98.7	0.06	0.06	0.00	2.00	5.5	10.9	1.13	0.00
.48	12.5	0.02	0.16	-0.6	6	98.7	0.06	0.06	0.00	2.00	4.8	9.5	0.99	0.00
1.64	10.3	0.02	0.19	-0.4	6	98.7	0.07	0.07	0.00	2.00	3.9	7.9	0.82	0.00
1.80	9.3	0.04	0.43	-0.6	6	98.7	0.08	0.08	0.00	2.00	3.6	7.1	0.74	0.00
1.97	10.9	0.07	0.65	-0.5	6	98.7	0.09	0.09	0.00	2.00	4.2	8.3	0.86	0.00
2.13	16.9	0.10	0.59	-0.4	6	98.7	0.10	0.10	0.00	2.00	6.5	12.9	1.34	0.08
2.30	23.4	0.18	0.77	-0.5	7	98.7	0.10	0.10	0.00	2.00	7.5	15.0	UnDef	0.09
2.46	18.8	0.14	0.74	-0.7	6	98.7	0.11	0.11	0.00	2.00	7.2	14.4	1.50	0.08
2.62	16.9	0.11	0.65	-0.4	6	98.7	0.12	0.12	0.00	2.00	6.5	13.0	1.34	0.08
2.79	18.5	0.11	0.60	-1.2	6	98.7	0.13	0.13	0.00	2.00	7.1	14.1	1.47	0.08
2.95	16.7	0.14	0.84	-0.8	6	98.7	0.14	0.14	0.00	2.00	6.4	12.8	1.32	0.08
3.12	16.1	0.23	1.43	-1.1	6	98.7	0.14	0.14	0.00	2.00	6.2	12.3	1.28	0.09
3.28	17.3	0.20	1.16	-1.2	6	98.7	0.15	0.15	0.00	2.00	6.6	13.3	1.37	0.09
3.44	16.7	0.27	1.62	-1.1	6	98.7	0.16	0.16	0.00	2.00	6.4	12.8	1.33	0.09
3.61	16.5	0.32	1.94	-1.1	6	98.7	0.17	0.17	0.00	2.00	6.3	12.7	1.31	0.09
3.77	16.0	0.32	2.01	-1.8	5	85.3	0.18	0.18	0.00	2.00	7.6	15.3	1.26	0.09
3.94	17.3	0.37	2.15	-5.8	5	85.3	0.18	0.18	0.00	2.00	8.3	16.6	1.37	0.09
4.10	18.4	0.39	2.13	-2.1	6	98.7	0.19	0.19	0.00	2.00	7.0	14.1	1.46	0.09
4.27	16.3	0.38	2.34	-1.1	5	85.3	0.20	0.20	0.00	2.00	7.8	15.6	1.29	0.09
4.43	16.5	0.37	2.24	-2.1	5	85.3	0.21	0.21	0.00	2.00	7.9	15.8	1.31	0.09
4.59	15.6	0.37	2.38	-6.8	5	85.3	0.21	0.21	0.00	2.00	7.4	14.9	1.23	0.09
4.76	15.9	0.40	2.52	-6.5	5	85.3	0.22	0.22	0.00	2.00	7.6	15.3	1.26	0.10
4.92	15.8	0.37	2.35	-6.7	5	85.3	0.23	0.23	0.00	2.00	7.6	15.1	1.25	0.10
5.09	14.9	0.35	2.35	-7.2	5	85.3	0.23	0.23	0.00	2.00	7.1	14.3	1.17	0.10
5.25	14.4	0.32	2.23	-6.8	5	85.3	0.24	0.24	0.00	2.00	6.9	13.8	1.13	0.09
5.41	13.7	0.30	2.19	-4.3	5	85.3	0.25	0.25	0.00	2.00	6.6	13.1	1.08	0.09
5.58	12.6	0.29	2.30	-1.1	5	85.3	0.25	0.25	0.00	1.98	6.1	12.0	0.99	0.10
5.74	13.1	0.34	2.60	-0.8	5	85.3	0.26	0.26	0.00	1.96	6.3	12.3	1.03	0.10
5.91	13.3	0.31	2.34	-0.6	5	85.3	0.27	0.27	0.00	1.93	6.4	12.3	1.04	0.10
6.07	16.3	0.34	2.09	-4.4	5	85.3	0.28	0.28	0.00	1.91	7.8	14.8	1.28	0.10
6.23	14.0	0.33	2.36	1.1	5	85.3	0.28	0.28	0.00	1.88	6.7	12.6	1.10	0.10
40	14.3	0.35	2.46	6.3	5	85.3	0.29	0.29	0.00	1.86	6.8	12.7	1.12	0.10
56	14.5	0.30	2.08	9.8	5	85.3	0.30	0.30	0.00	1.84	6.9	12.7	1.13	0.10
.73	14.8	0.32	2.17	18.2	5	85.3	0.30	0.30	0.00	1.82	7.1	12.8	1.16	0.10
6.89	15.2	0.31	2.04	18.9	5	85.3	0.31	0.31	0.00	1.79	7.3	13.1	1.19	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4518
CPT File: 315CP18.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	13.6	0.29	2.13	17.5	5	85.3	0.32	0.32	0.00	1.77	6.5	11.6	1.06	0.10
7.22	12.4	0.26	2.11	18.6	5	85.3	0.32	0.32	0.00	1.76	5.9	10.4	0.96	0.10
7.38	14.3	0.26	1.82	22.2	5	85.3	0.33	0.33	0.00	1.74	6.8	11.9	1.12	0.09
7.55	13.7	0.25	1.83	19.1	5	85.3	0.34	0.34	0.00	1.72	6.6	11.3	1.07	0.09
7.71	13.4	0.26	1.95	15.3	5	85.3	0.35	0.35	0.00	1.70	6.4	10.9	1.04	0.10
7.87	14.0	0.28	2.01	9.9	5	85.3	0.35	0.35	0.00	1.68	6.7	11.3	1.09	0.10
8.04	16.3	0.32	1.97	9.1	5	85.3	0.36	0.36	0.00	1.67	7.8	13.0	1.27	0.10
8.20	15.8	0.33	2.09	6.8	5	85.3	0.37	0.37	0.00	1.65	7.6	12.5	1.24	0.10
8.37	15.5	0.36	2.33	2.6	5	85.3	0.37	0.37	0.00	1.64	7.4	12.1	1.21	0.11
8.53	14.3	0.34	2.38	1.6	5	85.3	0.38	0.38	0.00	1.62	6.9	11.1	1.11	0.11
8.69	13.1	0.33	2.53	1.4	5	85.3	0.39	0.39	0.00	1.61	6.3	10.1	1.02	0.13
8.86	11.8	0.29	2.47	-1.5	5	85.3	0.39	0.39	0.00	1.59	5.6	9.0	0.91	0.15
9.02	10.5	0.43	4.09	-1.2	3	74.5	0.40	0.40	0.00	1.58	10.1	15.9	0.81	0.13
9.19	12.3	0.37	3.01	-1.2	4	79.6	0.41	0.41	0.00	1.57	7.9	12.3	0.95	0.16
9.35	12.2	0.34	2.80	-1.5	5	85.3	0.41	0.41	0.00	1.55	5.8	9.1	0.94	0.15
9.51	11.9	0.34	2.85	-1.6	5	85.3	0.42	0.42	0.00	1.54	5.7	8.8	0.92	0.15
9.68	13.3	0.39	2.94	-1.6	5	85.3	0.43	0.43	0.00	1.53	6.4	9.7	1.03	0.17
9.84	15.5	0.42	2.72	1.8	5	85.3	0.44	0.44	0.00	1.52	7.4	11.2	1.20	0.15
10.01	17.6	0.43	2.45	2.7	5	85.3	0.44	0.44	0.00	1.50	8.4	12.7	1.37	0.12
10.17	21.7	0.44	2.03	1.8	6	98.7	0.45	0.45	0.00	1.49	8.3	12.4	1.70	0.11
10.33	26.4	0.41	1.55	-1.8	6	98.7	0.46	0.46	0.00	1.48	10.1	15.0	2.08	0.10
10.50	31.9	0.35	1.10	-1.8	7	98.7	0.47	0.47	0.00	1.47	10.2	14.9	UnDef	0.10
10.66	38.4	0.32	0.84	-1.5	7	98.7	0.47	0.47	0.00	1.45	12.3	17.8	UnDef	0.11
10.83	39.1	0.37	0.95	-1.5	7	98.7	0.48	0.48	0.00	1.44	12.5	18.0	UnDef	0.11
10.99	36.4	0.48	1.32	-1.7	7	98.7	0.49	0.49	0.00	1.43	11.6	16.6	UnDef	0.11
11.15	34.3	0.53	1.55	-1.7	6	98.7	0.50	0.50	0.00	1.42	13.1	18.6	2.70	0.12
11.32	33.6	0.59	1.76	-1.6	6	98.7	0.51	0.51	0.00	1.41	12.9	18.1	2.65	0.12
11.48	29.0	0.59	2.04	-1.4	6	98.7	0.51	0.51	0.00	1.39	11.1	15.5	2.28	0.12
11.65	25.2	0.56	2.23	-1.3	6	98.7	0.52	0.52	0.00	1.38	9.6	13.3	1.97	0.12
81	24.6	0.54	2.20	-2.4	6	98.7	0.53	0.53	0.00	1.37	9.4	12.9	1.92	0.12
.97	23.8	0.51	2.15	-1.1	6	98.7	0.54	0.54	0.00	1.36	9.1	12.4	1.86	0.12
12.14	21.7	0.52	2.40	5.5	6	98.7	0.55	0.55	0.00	1.35	8.3	11.3	1.70	0.14
12.30	20.6	0.66	3.21	11.7	5	85.3	0.55	0.55	0.00	1.34	9.9	13.3	1.61	0.28
12.47	20.2	0.61	3.03	14.9	5	85.3	0.56	0.56	0.00	1.33	9.7	12.9	1.57	0.25
12.63	26.1	0.52	2.00	-1.3	6	98.7	0.57	0.57	0.00	1.33	10.0	13.3	2.04	0.12
12.80	21.3	0.27	1.27	-1.3	6	98.7	0.58	0.58	0.00	1.32	8.2	10.8	1.66	0.10
12.96	30.8	0.32	1.04	-1.1	7	98.7	0.58	0.58	0.00	1.31	9.8	12.9	UnDef	0.10
13.12	48.4	0.35	0.72	-1.2	7	98.7	0.59	0.59	0.00	1.30	15.5	20.1	UnDef	0.11
13.29	57.4	0.35	0.61	-1.1	8	101.8	0.60	0.60	0.00	1.29	13.7	17.7	UnDef	0.13
13.45	49.4	0.34	0.69	-1.2	7	98.7	0.61	0.61	0.00	1.28	15.8	20.2	UnDef	0.11
13.62	41.5	0.31	0.75	-1.2	7	98.7	0.62	0.62	0.00	1.27	13.2	16.8	UnDef	0.11
13.78	39.7	0.50	1.26	-1.2	7	98.7	0.63	0.63	0.00	1.26	12.7	16.0	UnDef	0.11
13.94	38.4	0.58	1.51	-1.3	7	98.7	0.63	0.63	0.00	1.26	12.3	15.4	UnDef	0.12
14.11	37.9	0.61	1.61	-1.3	7	98.7	0.64	0.64	0.00	1.25	12.1	15.1	UnDef	0.12
14.27	39.0	0.56	1.44	-1.0	7	98.7	0.65	0.65	0.00	1.24	12.4	15.4	UnDef	0.12
14.44	36.0	0.67	1.87	-1.1	6	98.7	0.66	0.66	0.00	1.23	13.8	17.0	2.82	0.13
14.60	32.2	0.78	2.43	0.3	6	98.7	0.67	0.67	0.00	1.23	12.3	15.1	2.52	0.16
14.76	29.3	0.74	2.53	4.9	6	98.7	0.67	0.67	0.00	1.22	11.2	13.7	2.29	0.17
14.93	32.8	0.72	2.20	8.0	6	98.7	0.68	0.68	0.00	1.21	12.6	15.2	2.57	0.14
15.09	38.5	0.68	1.77	5.3	6	98.7	0.69	0.69	0.00	1.20	14.7	17.7	3.02	0.13
15.26	48.3	0.60	1.24	-1.9	7	98.7	0.70	0.70	0.00	1.20	15.4	18.5	UnDef	0.13
15.42	55.5	0.43	0.78	-1.3	8	101.8	0.71	0.71	0.00	1.19	13.3	15.8	UnDef	0.12
15.58	53.8	0.39	0.73	-1.2	8	101.8	0.72	0.72	0.00	1.18	12.9	15.2	UnDef	0.12
15.75	50.8	0.33	0.65	-1.4	8	101.8	0.72	0.72	0.00	1.18	12.2	14.3	UnDef	0.11
15.91	46.8	0.46	0.99	-1.0	7	98.7	0.73	0.73	0.00	1.17	14.9	17.5	UnDef	0.12
16.08	45.7	0.77	1.69	-1.0	7	98.7	0.74	0.74	0.00	1.16	14.6	17.0	UnDef	0.14
16.24	42.5	0.82	1.93	-1.0	6	98.7	0.75	0.75	0.00	1.16	16.3	18.8	3.34	0.15
16.40	45.4	0.68	1.50	-1.3	7	98.7	0.76	0.76	0.00	1.15	14.5	16.7	UnDef	0.13
16.57	45.0	0.68	1.51	-0.8	7	98.7	0.76	0.76	0.00	1.14	14.4	16.4	UnDef	0.13
16.73	39.2	0.79	2.02	-0.9	6	98.7	0.77	0.77	0.00	1.14	15.0	17.1	3.07	0.15
90	31.9	0.89	2.80	0.4	5	85.3	0.78	0.78	0.00	1.13	15.3	17.3	2.49	0.23
06	33.6	0.84	2.51	1.9	6	98.7	0.79	0.79	0.00	1.13	12.9	14.5	2.63	0.19
.22	31.0	0.75	2.43	-0.4	6	98.7	0.80	0.80	0.00	1.12	11.9	13.3	2.42	0.18
17.39	27.5	0.71	2.58	1.9	6	98.7	0.80	0.80	0.00	1.12	10.6	11.8	2.14	0.23

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4518
CPT File: 315CP18.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	28.1	0.64	2.28	5.1	6	98.7	0.81	0.81	0.00	1.11	10.8	12.0	2.19	0.18
17.72	28.3	0.59	2.09	8.1	6	98.7	0.82	0.82	0.00	1.10	10.8	12.0	2.20	0.16
17.88	25.4	0.55	2.17	10.6	6	98.7	0.83	0.83	0.00	1.10	9.7	10.7	1.96	0.18
18.04	25.0	0.51	2.05	13.6	6	98.7	0.84	0.84	0.00	1.09	9.6	10.5	1.93	0.17
18.21	25.4	0.50	1.97	15.2	6	98.7	0.84	0.84	0.00	1.09	9.7	10.6	1.97	0.16
18.37	27.9	0.52	1.87	16.3	6	98.7	0.85	0.85	0.00	1.08	10.7	11.6	2.17	0.14
18.54	28.1	0.49	1.75	11.5	6	98.7	0.86	0.86	0.00	1.08	10.8	11.6	2.18	0.13
18.70	29.6	0.56	1.89	10.1	6	98.7	0.87	0.87	0.00	1.07	11.3	12.2	2.30	0.14
18.86	28.9	0.71	2.47	-0.6	6	98.7	0.88	0.88	0.00	1.07	11.1	11.8	2.24	0.24
19.03	30.3	0.58	1.92	1.2	6	98.7	0.88	0.88	0.00	1.06	11.6	12.3	2.35	0.15
19.19	36.1	0.57	1.58	-2.6	6	98.7	0.89	0.89	0.00	1.06	13.8	14.7	2.82	0.13
19.36	35.7	0.61	1.71	-1.1	6	98.7	0.90	0.90	0.00	1.05	13.7	14.4	2.78	0.13
19.52	35.1	0.58	1.65	-0.7	6	98.7	0.91	0.91	0.00	1.05	13.5	14.1	2.74	0.13
19.68	38.7	0.46	1.19	-2.2	7	98.7	0.92	0.92	0.00	1.04	12.4	12.9	UnDef	0.11
19.85	34.6	0.38	1.10	-0.6	7	98.7	0.92	0.92	0.00	1.04	11.0	11.5	UnDef	0.11
20.01	30.7	0.45	1.47	-0.6	6	98.7	0.93	0.93	0.00	1.04	11.8	12.2	2.38	0.12
20.18	27.3	0.53	1.94	-0.7	6	98.7	0.94	0.94	0.00	1.03	10.5	10.8	2.11	0.17
20.34	24.9	0.56	2.26	2.3	6	98.7	0.95	0.95	0.00	1.03	9.5	9.8	1.91	0.26
20.51	25.0	0.52	2.08	9.2	6	98.7	0.96	0.96	0.00	1.02	9.6	9.8	1.93	0.25
20.67	22.8	0.49	2.16	17.9	6	98.7	0.97	0.97	0.00	1.02	8.7	8.9	1.74	0.22
20.83	21.9	0.47	2.15	23.0	6	98.7	0.97	0.97	0.00	1.01	8.4	8.5	1.67	0.20
21.00	21.8	0.43	1.98	28.5	6	98.7	0.98	0.98	0.00	1.01	8.3	8.4	1.66	0.20
21.16	21.7	0.39	1.80	33.3	6	98.7	0.99	0.99	0.00	1.01	8.3	8.4	1.66	0.19
21.33	22.6	0.41	1.82	37.4	6	98.7	1.00	1.00	0.00	1.00	8.7	8.7	1.73	0.21
21.49	24.3	0.41	1.69	40.4	6	98.7	1.01	1.01	0.00	1.00	9.3	9.3	1.87	0.18
21.65	25.0	0.44	1.76	42.5	6	98.7	1.01	1.01	0.00	0.99	9.6	9.5	1.92	0.19
21.82	20.6	0.43	2.09	26.6	6	98.7	1.02	1.02	0.00	0.99	7.9	7.8	1.57	0.17
21.98	21.0	0.40	1.91	28.4	6	98.7	1.03	1.03	0.00	0.99	8.0	7.9	1.59	0.18
22.15	23.8	0.80	3.37	29.8	5	85.3	1.04	1.04	0.00	0.98	11.4	11.2	1.82	0.22
22.31	23.5	0.70	2.98	33.5	5	85.3	1.04	1.04	0.00	0.98	11.3	11.0	1.80	0.21
22.47	30.2	0.71	2.35	19.4	6	98.7	1.05	1.05	0.00	0.98	11.6	11.3	2.34	0.33
22.64	24.1	0.53	2.21	25.6	6	98.7	1.06	1.06	0.00	0.97	9.2	9.0	1.84	0.22
22.80	21.0	0.41	1.95	29.2	6	98.7	1.07	1.07	0.00	0.97	8.1	7.8	1.60	0.17
22.97	20.5	0.31	1.52	32.1	6	98.7	1.08	1.08	0.00	0.96	7.8	7.6	1.55	0.16
23.13	22.6	0.35	1.55	33.5	6	98.7	1.08	1.08	0.00	0.96	8.7	8.3	1.72	0.19
23.29	24.0	0.45	1.88	35.1	6	98.7	1.09	1.09	0.00	0.96	9.2	8.8	1.83	0.21
23.46	30.3	0.53	1.76	34.5	6	98.7	1.10	1.10	0.00	0.95	11.6	11.0	2.33	0.17
23.62	32.2	0.60	1.87	21.5	6	98.7	1.11	1.11	0.00	0.95	12.3	11.7	2.48	0.18
23.79	40.0	0.64	1.60	15.7	7	98.7	1.12	1.12	0.00	0.95	12.8	12.1	UnDef	0.14
23.95	53.2	0.54	1.02	0.3	7	98.7	1.12	1.12	0.00	0.94	17.0	16.0	UnDef	0.12
24.11	52.7	0.55	1.05	0.2	7	98.7	1.13	1.13	0.00	0.94	16.8	15.8	UnDef	0.12
24.28	49.1	0.83	1.70	-0.2	7	98.7	1.14	1.14	0.00	0.94	15.7	14.7	UnDef	0.16
24.44	43.9	0.98	2.24	0.4	6	98.7	1.15	1.15	0.00	0.93	16.8	15.7	3.42	0.22
24.61	47.1	1.15	2.45	0.2	6	98.7	1.16	1.16	0.00	0.93	18.0	16.8	3.67	0.26
24.77	45.9	1.17	2.56	-0.5	6	98.7	1.17	1.17	0.00	0.93	17.6	16.3	3.58	0.29
24.93	40.5	1.08	2.67	-0.2	6	98.7	1.17	1.17	0.00	0.92	15.5	14.3	3.15	0.39
25.10	50.5	0.98	1.95	-1.2	7	98.7	1.18	1.18	0.00	0.92	16.1	14.8	UnDef	0.19
25.26	56.3	0.86	1.53	-0.4	7	98.7	1.19	1.19	0.00	0.92	18.0	16.5	UnDef	0.16
25.43	64.5	0.78	1.21	-0.4	7	98.7	1.20	1.20	0.00	0.91	20.6	18.8	UnDef	0.15
25.59	73.2	0.59	0.81	-0.6	8	101.8	1.21	1.21	0.00	0.91	17.5	16.0	UnDef	0.14
25.75	74.4	0.50	0.67	1.4	8	101.8	1.21	1.21	0.00	0.91	17.8	16.2	UnDef	0.13
25.92	90.0	0.64	0.71	1.2	8	101.8	1.22	1.22	0.00	0.90	21.5	19.5	UnDef	0.16
26.08	109.3	1.00	0.92	1.4	8	101.8	1.23	1.23	0.00	0.90	26.2	23.6	UnDef	0.22
26.25	139.0	1.29	0.93	1.2	9	101.8	1.24	1.24	0.00	0.90	26.6	23.9	UnDef	0.33
26.41	151.0	1.49	0.99	1.3	9	101.8	1.25	1.25	0.00	0.90	28.9	25.9	UnDef	0.39
26.57	170.8	0.02	0.01	1.4	9	101.8	1.26	1.26	0.00	0.89	32.7	29.2	UnDef	0.39
26.74	208.4	0.02	0.01	1.9	10	127.3	1.27	1.27	0.00	0.89	33.3	29.6	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4518
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-18
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 16:19
CPT File: 315CP18.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	814.3	1.21	9	9.5	0.0	9.5	1.7	UnDef	UnDef	10.0	UnDef	0.0	4.8
0.33	5.0E-06	0.00	508.6	1.09	9	12.4	0.0	12.4	2.4	UnDef	UnDef	10.0	UnDef	0.0	6.2
0.49	5.0E-06	0.00	418.0	0.61	10	15.8	0.0	15.8	0.6	UnDef	UnDef	10.0	UnDef	0.0	7.9
0.66	1.7E-07	0.00	286.5	0.40	10	14.4	0.0	14.4	0.5	UnDef	UnDef	10.0	UnDef	0.0	7.2
0.82	1.7E-07	0.00	248.0	0.25	10	15.4	0.0	15.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.7
0.98	5.0E-05	0.00	245.4	0.21	10	18.6	0.0	18.6	0.0	46	46.2	10.0	-0.13	0.0	7.4
1.15	5.0E-05	0.00	246.4	0.17	10	22.5	0.0	22.5	0.0	46	49.0	10.0	-0.12	0.0	9.0
1.31	5.0E-05	0.00	255.1	0.14	10	27.3	0.0	27.3	0.0	46	52.2	10.0	-0.10	0.0	10.9
.48	5.0E-05	0.00	194.6	0.16	10	23.9	0.0	23.9	0.0	44	46.4	10.0	-0.09	0.0	9.5
.64	5.0E-05	0.00	142.2	0.20	9	19.7	0.0	19.7	1.7	44	39.2	10.0	-0.08	0.0	7.9
1.80	5.0E-05	0.00	115.7	0.43	9	17.9	0.0	17.9	5.0	42	34.9	10.0	-0.13	0.0	7.1
1.97	5.0E-05	0.00	122.4	0.65	9	20.8	0.9	21.7	6.6	42	37.8	10.0	-0.17	0.2	8.5
2.13	5.0E-05	0.00	174.5	0.60	9	32.3	0.0	32.3	4.1	44	49.2	10.0	-0.19	0.0	12.9
2.30	5.0E-04	0.00	224.1	0.77	9	44.9	0.0	44.9	4.0	46	57.5	1.0	-0.24	0.0	15.0
2.46	5.0E-05	0.00	166.9	0.75	9	36.1	0.4	36.5	5.4	44	50.2	10.0	-0.21	0.1	14.5
2.62	5.0E-05	0.00	139.7	0.66	9	32.4	0.7	33.1	5.8	44	46.1	10.0	-0.18	0.2	13.1
2.79	5.0E-05	0.00	142.7	0.60	9	35.4	0.2	35.6	5.2	44	47.6	10.0	-0.17	0.1	14.2
2.95	5.0E-05	0.00	121.1	0.85	9	31.9	2.9	34.8	8.1	42	43.8	10.0	-0.19	0.7	13.5
3.12	5.0E-05	0.00	110.3	1.45	9	30.8	7.8	38.6	12.6	42	42.0	10.0	-0.23	1.8	14.1
3.28	5.0E-05	0.00	112.3	1.17	9	33.1	6.1	39.2	10.8	42	43.3	10.0	-0.21	1.4	14.7
3.44	5.0E-05	0.00	103.1	1.63	7	32.1	10.4	42.4	14.2	42	41.6	10.0	-0.24	2.3	15.1
3.61	5.0E-05	0.00	97.0	1.96	7	31.7	13.8	45.5	16.4	42	40.6	10.0	-0.26	3.0	15.6
3.77	5.0E-06	0.00	89.5	2.03	7	30.6	15.3	45.9	17.5	UnDef	UnDef	10.0	UnDef	4.0	19.3
3.94	5.0E-06	-0.01	93.2	2.17	7	33.1	17.1	50.2	17.7	UnDef	UnDef	10.0	UnDef	4.5	21.0
4.10	5.0E-05	0.00	95.3	2.15	7	35.2	17.5	52.7	17.4	42	41.8	10.0	-0.27	3.7	17.8
4.27	5.0E-06	0.00	81.0	2.37	7	31.2	21.0	52.2	20.1	UnDef	UnDef	10.0	UnDef	5.2	20.8
4.43	5.0E-06	0.00	79.5	2.27	7	31.7	20.8	52.4	19.8	UnDef	UnDef	10.0	UnDef	5.2	21.1
4.59	5.0E-06	-0.01	72.2	2.42	7	29.8	23.6	53.4	21.5	UnDef	UnDef	10.0	UnDef	5.7	20.6
4.76	5.0E-06	-0.01	71.6	2.55	7	30.5	26.0	56.6	22.2	UnDef	UnDef	10.0	UnDef	6.2	21.4
4.92	5.0E-06	-0.01	68.8	2.38	7	30.3	24.9	55.2	21.9	UnDef	UnDef	10.0	UnDef	6.0	21.1
5.09	5.0E-06	-0.02	62.9	2.39	7	28.6	26.4	55.0	23.0	UnDef	UnDef	10.0	UnDef	6.1	20.4
5.25	5.0E-06	-0.02	58.9	2.26	7	27.6	26.0	53.6	23.2	UnDef	UnDef	10.0	UnDef	6.0	19.8
5.41	5.0E-06	-0.01	54.4	2.23	7	26.3	27.0	53.3	24.0	UnDef	UnDef	10.0	UnDef	6.1	19.2
5.58	5.0E-06	0.00	48.7	2.35	7	24.2	30.8	55.0	26.0	UnDef	UnDef	6.0	UnDef	6.5	18.5
5.74	5.0E-06	0.00	49.1	2.66	7	25.0	37.1	62.1	27.4	UnDef	UnDef	6.0	UnDef	7.3	19.6
5.91	5.0E-06	0.00	48.5	2.39	7	25.1	32.8	57.9	26.2	UnDef	UnDef	6.0	UnDef	6.7	19.0
6.07	5.0E-06	-0.01	58.1	2.13	7	30.3	27.1	57.4	22.7	UnDef	UnDef	10.0	UnDef	6.2	21.1
6.23	5.0E-06	0.00	48.6	2.41	7	25.8	34.1	59.8	26.3	UnDef	UnDef	6.0	UnDef	7.0	19.6
6.40	5.0E-06	0.01	48.3	2.51	7	26.0	36.4	62.3	26.9	UnDef	UnDef	6.0	UnDef	7.3	20.0
6.56	5.0E-06	0.02	47.8	2.12	7	26.0	29.9	55.9	25.0	UnDef	UnDef	6.0	UnDef	6.4	19.1
.73	5.0E-06	0.04	47.7	2.22	7	26.3	32.0	58.2	25.6	UnDef	UnDef	6.0	UnDef	6.7	19.6
.89	5.0E-06	0.04	48.0	2.08	7	26.7	29.9	56.7	24.8	UnDef	UnDef	6.0	UnDef	6.5	19.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4518
CPT File: 315CP18.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.04	41.9	2.18	7	23.7	34.2	57.9	27.1	UnDef	UnDef	6.0	UnDef	6.8	18.4
7.22	5.0E-06	0.05	37.1	2.17	7	21.2	36.9	58.1	28.8	UnDef	UnDef	6.0	UnDef	6.8	17.2
7.38	5.0E-06	0.05	42.1	1.87	7	24.3	28.8	53.1	25.3	UnDef	UnDef	6.0	UnDef	6.1	18.0
7.55	5.0E-06	0.04	39.5	1.88	7	23.0	30.2	53.3	26.3	UnDef	UnDef	6.0	UnDef	6.2	17.5
7.71	5.0E-06	0.04	37.7	2.00	7	22.3	33.9	56.2	27.6	UnDef	UnDef	6.0	UnDef	6.6	17.5
7.87	5.0E-06	0.02	38.6	2.06	7	23.0	35.0	58.1	27.6	UnDef	UnDef	6.0	UnDef	6.8	18.1
8.04	5.0E-06	0.02	44.3	2.02	7	26.6	32.1	58.6	25.5	UnDef	UnDef	6.0	UnDef	6.8	19.8
8.20	5.0E-06	0.01	42.1	2.14	7	25.6	35.7	61.3	26.8	UnDef	UnDef	6.0	UnDef	7.2	19.7
8.37	5.0E-06	0.01	40.4	2.39	7	24.8	42.8	67.5	28.7	UnDef	UnDef	6.0	UnDef	7.9	20.1
8.53	5.0E-06	0.00	36.6	2.45	6	22.7	48.0	70.7	30.4	UnDef	UnDef	6.0	UnDef	8.2	19.3
8.69	5.0E-06	0.00	32.8	2.60	6	20.6	60.0	80.6	32.9	UnDef	UnDef	6.0	UnDef	8.8	18.9
8.86	5.0E-06	0.00	28.8	2.56	6	18.3	70.6	88.9	34.7	UnDef	UnDef	6.0	UnDef	8.8	17.8
9.02	5.0E-08	0.00	25.3	4.26	4	16.3	65.1	81.4	44.5	UnDef	UnDef	6.0	UnDef	15.9	31.9
9.19	5.0E-07	0.00	29.3	3.11	6	18.9	75.6	94.5	37.2	UnDef	UnDef	6.0	UnDef	12.3	24.7
9.35	5.0E-06	0.00	28.4	2.89	6	18.5	74.2	92.7	36.6	UnDef	UnDef	6.0	UnDef	9.1	18.1
9.51	5.0E-06	0.00	27.4	2.96	6	18.0	72.0	90.0	37.6	UnDef	UnDef	6.0	UnDef	8.8	17.6
9.68	5.0E-06	0.00	30.0	3.04	6	19.9	79.5	99.4	36.4	UnDef	UnDef	6.0	UnDef	9.7	19.4
9.84	5.0E-06	0.00	34.6	2.80	6	22.9	68.4	91.3	33.0	UnDef	UnDef	6.0	UnDef	9.9	21.1
10.01	5.0E-06	0.00	38.8	2.52	6	25.9	51.6	77.5	29.9	UnDef	UnDef	6.0	UnDef	9.0	21.7
10.17	5.0E-05	0.00	47.3	2.07	7	31.7	36.0	67.7	24.9	38	34.4	6.0	-0.19	6.2	18.6
10.33	5.0E-05	0.00	56.8	1.58	7	38.2	25.3	63.5	19.9	40	39.7	10.0	-0.18	5.0	19.9
10.50	5.0E-04	0.00	67.4	1.12	7	45.7	16.7	62.4	15.0	40	44.8	1.0	-0.16	3.0	17.9
10.66	5.0E-04	0.00	80.0	0.85	9	54.6	11.3	65.9	11.4	42	49.9	1.0	-0.15	2.1	19.9
10.83	5.0E-04	0.00	80.1	0.96	9	55.1	13.3	68.4	12.3	42	50.2	1.0	-0.16	2.5	20.5
10.99	5.0E-04	0.00	73.3	1.34	7	50.9	20.3	71.2	15.7	40	47.9	1.0	-0.19	3.6	20.2
11.15	5.0E-05	0.00	67.8	1.57	7	47.6	24.9	72.4	17.9	40	46.0	10.0	-0.19	5.1	23.7
11.32	5.0E-05	0.00	65.4	1.79	7	46.2	29.2	75.4	19.5	40	45.1	10.0	-0.20	5.8	23.9
11.48	5.0E-05	0.00	55.4	2.08	7	39.6	36.5	76.0	23.0	40	40.7	10.0	-0.21	6.6	22.1
11.65	5.0E-05	0.00	47.2	2.28	7	34.1	43.6	77.7	26.0	38	36.4	6.0	-0.20	7.2	20.6
.81	5.0E-05	0.00	45.3	2.25	7	33.0	44.1	77.2	26.4	38	35.5	6.0	-0.19	7.2	20.1
.97	5.0E-05	0.00	43.1	2.20	7	31.7	44.3	76.0	26.8	38	34.3	6.0	-0.18	7.1	19.5
12.14	5.0E-05	0.01	38.8	2.46	7	28.8	55.4	84.2	29.7	38	31.6	6.0	-0.19	7.9	19.2
12.30	5.0E-06	0.02	36.2	3.30	6	27.1	101.3	128.4	34.5	UnDef	UnDef	6.0	UnDef	12.9	26.2
12.47	5.0E-06	0.02	35.0	3.12	6	26.4	94.8	121.1	34.3	UnDef	UnDef	6.0	UnDef	12.4	25.3
12.63	5.0E-05	0.00	44.9	2.04	7	33.9	40.7	74.6	25.4	38	36.3	6.0	-0.18	6.9	20.1
12.80	5.0E-05	0.00	36.0	1.30	7	27.5	27.7	55.2	23.8	38	30.2	6.0	-0.11	4.9	15.7
12.96	5.0E-04	0.00	51.6	1.06	7	39.4	19.7	59.1	17.5	38	40.6	1.0	-0.13	3.4	16.2
13.12	5.0E-04	0.00	80.6	0.73	9	61.5	10.5	72.1	10.5	42	53.4	1.0	-0.14	2.0	22.1
13.29	5.0E-03	0.00	94.4	0.62	9	72.4	6.8	79.2	8.2	42	58.0	1.0	-0.14	1.0	18.7
13.45	5.0E-04	0.00	80.1	0.70	9	62.0	10.1	72.0	10.2	42	53.6	1.0	-0.14	1.9	22.2
13.62	5.0E-04	0.00	66.1	0.76	9	51.6	12.9	64.6	12.5	40	48.3	1.0	-0.12	2.4	19.3
13.78	5.0E-04	0.00	62.4	1.28	7	49.1	23.1	72.1	17.0	40	46.9	1.0	-0.17	4.0	20.0
13.94	5.0E-04	0.00	59.6	1.54	7	47.2	28.5	75.7	19.1	40	45.7	1.0	-0.18	4.7	20.1
14.11	5.0E-04	0.00	58.1	1.64	7	46.3	30.9	77.2	20.0	40	45.2	1.0	-0.18	5.0	20.2
14.27	5.0E-04	0.00	58.9	1.47	7	47.3	27.5	74.8	18.8	40	45.8	1.0	-0.17	4.6	20.0
14.44	5.0E-05	0.00	53.6	1.90	7	43.4	37.7	81.1	22.4	40	43.3	10.0	-0.19	7.0	23.9
14.60	5.0E-05	0.00	47.3	2.48	7	38.6	54.9	93.5	27.0	38	40.0	6.0	-0.21	8.8	23.9
14.76	5.0E-05	0.01	42.4	2.59	7	34.9	62.5	97.4	29.0	38	37.1	6.0	-0.20	9.2	22.8
14.93	5.0E-05	0.01	47.1	2.25	7	38.9	49.1	87.9	25.9	38	40.2	6.0	-0.20	8.2	23.4
15.09	5.0E-05	0.00	54.7	1.80	7	45.3	36.2	81.5	21.6	40	44.6	10.0	-0.19	6.8	24.6
15.26	5.0E-04	0.00	68.2	1.26	7	56.6	23.2	79.8	15.9	40	51.0	1.0	-0.17	4.1	22.6
15.42	5.0E-03	0.00	77.5	0.79	9	64.6	12.9	77.5	11.2	40	54.8	1.0	-0.14	1.8	17.7
15.58	5.0E-03	0.00	74.2	0.74	9	62.2	12.4	74.7	11.2	40	53.7	1.0	-0.13	1.8	17.0
15.75	5.0E-03	0.00	69.2	0.66	9	58.4	11.6	70.1	11.2	40	51.9	1.0	-0.12	1.7	16.0
15.91	5.0E-04	0.00	62.9	1.00	9	53.5	19.2	72.7	14.9	40	49.3	1.0	-0.14	3.5	20.9
16.08	5.0E-04	0.00	60.7	1.72	7	52.0	34.4	86.4	19.9	40	48.5	1.0	-0.19	5.6	22.6
16.24	5.0E-05	0.00	55.9	1.97	7	48.1	41.2	89.3	22.3	40	46.3	10.0	-0.20	7.6	26.5
16.40	5.0E-04	0.00	59.1	1.53	7	51.1	30.9	82.0	19.1	40	48.0	1.0	-0.18	5.1	21.8
16.57	5.0E-04	0.00	57.9	1.54	7	50.4	31.5	82.0	19.4	40	47.6	1.0	-0.18	5.2	21.7
16.73	5.0E-05	0.00	49.7	2.06	7	43.6	46.1	89.7	24.2	38	43.5	6.0	-0.19	8.1	25.1
.90	5.0E-06	0.00	39.9	2.87	6	35.3	82.3	117.7	31.2	UnDef	UnDef	6.0	UnDef	13.5	30.7
.06	5.0E-05	0.00	41.7	2.57	7	37.1	67.3	104.3	29.1	38	38.8	6.0	-0.20	9.8	24.3
17.22	5.0E-05	0.00	38.0	2.49	6	34.0	69.3	103.3	30.1	38	36.4	6.0	-0.19	9.6	22.9
17.39	5.0E-05	0.00	33.3	2.66	6	30.1	88.4	118.5	32.9	36	32.8	6.0	-0.18	10.3	22.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4518
CPT File: 315CP18.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.01	33.7	2.35	6	30.6	70.9	101.5	31.2	36	33.3	6.0	-0.16	9.3	21.3
17.72	5.0E-05	0.01	33.5	2.15	7	30.6	62.8	93.4	30.2	36	33.3	6.0	-0.15	8.7	20.7
17.88	5.0E-05	0.01	29.6	2.25	6	27.3	76.5	103.8	32.6	36	30.0	6.0	-0.14	9.1	19.8
18.04	5.0E-05	0.02	28.9	2.12	6	26.7	71.7	98.5	32.3	36	30.0	6.0	-0.13	8.8	19.2
18.21	5.0E-05	0.02	29.1	2.04	7	27.1	67.1	94.2	31.7	36	30.0	6.0	-0.13	8.5	19.1
18.37	5.0E-05	0.02	31.8	1.93	7	29.6	57.1	86.8	29.7	36	32.4	6.0	-0.13	8.1	19.7
18.54	5.0E-05	0.01	31.7	1.80	7	29.7	52.7	82.4	29.0	36	32.4	6.0	-0.13	7.7	19.4
18.70	5.0E-05	0.01	33.1	1.95	7	31.1	56.8	88.0	29.2	36	33.8	6.0	-0.14	8.3	20.4
18.86	5.0E-05	0.00	31.9	2.54	6	30.2	89.3	119.5	33.0	36	32.9	6.0	-0.17	10.4	22.2
19.03	5.0E-05	0.00	33.3	1.98	7	31.5	58.2	89.7	29.3	36	34.2	6.0	-0.14	8.4	20.8
19.19	5.0E-05	0.00	39.5	1.62	7	37.4	41.5	78.9	24.7	38	39.1	6.0	-0.14	7.2	21.8
19.36	5.0E-05	0.00	38.6	1.76	7	36.8	46.1	82.9	25.8	38	38.6	6.0	-0.15	7.7	22.1
19.52	5.0E-05	0.00	37.7	1.70	7	36.1	45.2	81.2	25.8	38	38.0	6.0	-0.14	7.5	21.6
19.68	5.0E-04	0.00	41.2	1.22	7	39.6	30.8	70.3	21.4	38	40.7	1.0	-0.12	4.9	17.8
19.85	5.0E-04	0.00	36.4	1.13	7	35.2	30.3	65.5	22.3	38	37.3	1.0	-0.10	4.7	16.2
20.01	5.0E-05	0.00	31.9	1.51	7	31.1	44.1	75.3	27.0	36	33.8	6.0	-0.11	7.1	19.2
20.18	5.0E-05	0.00	28.0	2.01	6	27.6	72.5	100.1	32.1	36	30.3	6.0	-0.13	8.9	19.7
20.34	5.0E-05	0.00	25.2	2.35	6	25.0	99.9	124.9	35.8	34	30.0	6.0	-0.13	9.8	19.6
20.51	5.0E-05	0.01	25.1	2.17	6	25.0	97.9	122.9	34.8	34	30.0	6.0	-0.12	9.7	19.5
20.67	5.0E-05	0.03	22.6	2.25	6	22.7	90.7	113.3	37.2	34	30.0	6.0	-0.11	8.9	17.7
20.83	5.0E-05	0.03	21.5	2.25	6	21.7	86.9	108.6	38.1	34	30.0	6.0	-0.11	8.5	17.0
21.00	5.0E-05	0.04	21.2	2.07	6	21.5	86.1	107.6	37.2	34	30.0	6.0	-0.09	8.4	16.8
21.16	5.0E-05	0.05	21.0	1.88	6	21.4	85.6	107.0	36.2	34	30.0	6.0	-0.08	8.4	16.8
21.33	5.0E-05	0.05	21.7	1.90	6	22.1	88.6	110.7	35.8	34	30.0	6.0	-0.09	8.7	17.3
21.49	5.0E-05	0.05	23.2	1.76	6	23.7	77.4	101.2	33.7	34	30.0	6.0	-0.09	8.5	17.8
21.65	5.0E-05	0.06	23.7	1.84	6	24.3	80.8	105.1	33.8	34	30.0	6.0	-0.09	8.8	18.4
21.82	5.0E-05	0.04	19.2	2.20	6	20.0	79.9	99.9	39.8	32	30.0	6.0	-0.09	7.8	15.6
21.98	5.0E-05	0.04	19.3	2.01	6	20.2	80.8	101.0	38.5	32	30.0	6.0	-0.08	7.9	15.8
22.15	5.0E-06	0.04	21.9	3.53	6	22.8	91.4	114.2	44.1	UnDef	UnDef	6.0	UnDef	11.2	22.4
.31	5.0E-06	0.05	21.5	3.12	6	22.5	90.1	112.7	42.6	UnDef	UnDef	6.0	UnDef	11.0	22.1
22.47	5.0E-05	0.02	27.7	2.44	6	28.9	110.7	139.5	34.7	36	31.7	6.0	-0.14	11.1	22.4
22.64	5.0E-05	0.03	21.7	2.31	6	22.9	91.5	114.4	38.2	34	30.0	6.0	-0.11	9.0	17.9
22.80	5.0E-05	0.05	18.7	2.06	6	19.9	79.6	99.5	39.4	32	30.0	6.0	-0.08	7.8	15.6
22.97	5.0E-05	0.05	18.0	1.60	6	19.3	77.2	96.5	37.0	32	30.0	6.0	-0.06	7.6	15.1
23.13	5.0E-05	0.05	19.9	1.63	6	21.3	85.1	106.4	35.4	34	30.0	6.0	-0.07	8.3	16.7
23.29	5.0E-05	0.05	21.0	1.97	6	22.5	89.8	112.3	36.8	34	30.0	6.0	-0.09	8.8	17.6
23.46	5.0E-05	0.04	26.5	1.82	7	28.2	71.7	99.9	31.9	36	31.0	6.0	-0.11	9.0	20.0
23.62	5.0E-05	0.02	28.0	1.94	7	29.9	74.1	104.0	31.7	36	32.7	6.0	-0.12	9.4	21.1
23.79	5.0E-04	0.01	34.8	1.65	7	37.0	50.6	87.6	26.6	38	38.8	1.0	-0.13	6.8	18.9
23.95	5.0E-04	0.00	46.3	1.04	7	49.1	27.9	77.0	18.6	38	46.9	1.0	-0.12	4.7	20.7
24.11	5.0E-04	0.00	45.5	1.07	7	48.4	29.0	77.4	19.0	38	46.5	1.0	-0.12	4.8	20.6
24.28	5.0E-04	0.00	42.0	1.74	7	44.9	49.2	94.2	24.6	38	44.4	1.0	-0.16	7.1	21.8
24.44	5.0E-05	0.00	37.2	2.30	7	40.1	75.2	115.3	29.4	38	41.1	6.0	-0.17	10.8	26.5
24.61	5.0E-05	0.00	39.7	2.51	7	42.8	81.7	124.6	29.6	38	43.0	6.0	-0.19	11.7	28.4
24.77	5.0E-05	0.00	38.4	2.62	6	41.6	90.1	131.7	30.6	38	42.1	6.0	-0.19	12.2	28.5
24.93	5.0E-05	0.00	33.5	2.75	6	36.6	112.9	149.5	33.3	36	38.5	6.0	-0.18	12.8	27.1
25.10	5.0E-04	0.00	41.7	1.99	7	45.4	59.0	104.5	26.2	38	44.7	1.0	-0.17	8.1	22.9
25.26	5.0E-04	0.00	46.3	1.57	7	50.5	43.1	93.6	22.3	38	47.7	1.0	-0.15	6.7	23.1
25.43	5.0E-04	0.00	52.9	1.23	7	57.7	32.4	90.1	18.5	40	51.5	1.0	-0.15	5.5	24.3
25.59	5.0E-03	0.00	59.7	0.82	9	65.2	20.7	85.9	14.0	40	55.0	1.0	-0.12	2.8	18.8
25.75	5.0E-03	0.00	60.3	0.68	9	66.1	17.2	83.3	12.7	40	55.4	1.0	-0.11	2.4	18.6
25.92	5.0E-03	0.00	72.6	0.72	9	79.6	16.2	95.8	11.3	40	60.7	1.0	-0.13	2.3	21.8
26.08	5.0E-03	0.00	87.8	0.93	9	96.4	19.2	115.6	11.2	42	66.2	1.0	-0.17	2.7	26.3
26.25	5.0E-02	0.00	111.1	0.94	9	122.1	16.2	138.4	9.4	42	73.0	1.0	-0.19	1.9	25.8
26.41	5.0E-02	0.00	120.0	1.00	9	132.3	16.7	149.0	9.2	42	75.3	1.0	-0.20	2.0	27.9
26.57	5.0E-02	0.00	134.9	0.01	10	149.1	0.0	149.1	3.1	44	78.7	1.0	0.16	0.0	29.2
26.74	5.0E+00	0.00	163.7	0.01	10	181.3	0.0	181.3	2.6	44	84.3	1.0	0.15	0.0	29.6

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4556
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-19
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 11:03
CPT File: 315CP19.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.4	0.02	0.45	-0.1	1	74.5	0.01	0.01	0.00	2.00	2.1	4.2	0.35	0.00
0.33	10.0	0.02	0.20	-0.6	6	98.7	0.01	0.01	0.00	2.00	3.8	7.7	0.80	0.00
0.49	9.4	0.02	0.21	-0.8	6	98.7	0.02	0.02	0.00	2.00	3.6	7.2	0.75	0.00
0.66	10.3	0.02	0.20	-1.1	6	98.7	0.03	0.03	0.00	2.00	3.9	7.9	0.82	0.00
0.82	17.6	0.02	0.11	-2.9	7	98.7	0.04	0.04	0.00	2.00	5.6	11.2	UnDef	0.08
0.98	28.4	0.02	0.07	-1.1	7	98.7	0.05	0.05	0.00	2.00	9.1	18.1	UnDef	0.10
1.15	37.4	0.02	0.05	-0.4	8	101.8	0.05	0.05	0.00	2.00	9.0	17.9	UnDef	0.11
31	36.5	0.30	0.82	-0.5	7	98.7	0.06	0.06	0.00	2.00	11.6	23.3	UnDef	0.11
.48	27.7	0.71	2.57	-0.4	6	98.7	0.07	0.07	0.00	2.00	10.6	21.2	2.21	0.00
1.64	25.7	0.71	2.77	-0.4	5	85.3	0.08	0.08	0.00	2.00	12.3	24.6	2.05	0.00
1.80	27.5	0.40	1.46	-3.9	6	98.7	0.09	0.09	0.00	2.00	10.5	21.1	2.19	0.09
1.97	29.2	0.12	0.41	-4.9	7	98.7	0.09	0.09	0.00	2.00	9.3	18.6	UnDef	0.10
2.13	31.3	0.03	0.10	-1.2	7	98.7	0.10	0.10	0.00	2.00	10.0	20.0	UnDef	0.10
2.30	36.5	0.12	0.33	-0.4	7	98.7	0.11	0.11	0.00	2.00	11.7	23.3	UnDef	0.11
2.46	49.0	0.60	1.23	-0.2	7	98.7	0.12	0.12	0.00	2.00	15.6	31.3	UnDef	0.16
2.62	74.0	1.02	1.38	0.0	7	98.7	0.13	0.13	0.00	2.00	23.6	47.3	UnDef	0.35
2.79	54.0	1.04	1.93	0.3	7	98.7	0.13	0.13	0.00	2.00	17.3	34.5	UnDef	0.20
2.95	36.7	0.63	1.72	-1.2	6	98.7	0.14	0.14	0.00	2.00	14.1	28.1	2.93	0.12
3.12	27.3	0.15	0.55	-0.8	7	98.7	0.15	0.15	0.00	2.00	8.7	17.5	UnDef	0.09
3.28	26.4	0.08	0.30	-0.6	7	98.7	0.16	0.16	0.00	2.00	8.4	16.8	UnDef	0.09
3.44	32.1	0.27	0.84	-0.4	7	98.7	0.17	0.17	0.00	2.00	10.2	20.5	UnDef	0.10
3.61	34.0	0.47	1.39	-0.3	7	98.7	0.17	0.17	0.00	2.00	10.8	21.7	UnDef	0.11
3.77	31.7	0.53	1.68	-0.5	6	98.7	0.18	0.18	0.00	2.00	12.1	24.3	2.52	0.11
3.94	28.6	0.45	1.58	-0.6	6	98.7	0.19	0.19	0.00	2.00	11.0	21.9	2.27	0.11
4.10	22.0	0.36	1.64	-0.4	6	98.7	0.20	0.20	0.00	2.00	8.4	16.8	1.74	0.10
4.27	22.5	0.36	1.61	-0.5	6	98.7	0.21	0.21	0.00	2.00	8.6	17.2	1.78	0.10
4.43	25.2	0.37	1.47	-0.4	6	98.7	0.21	0.21	0.00	2.00	9.7	19.3	2.00	0.10
4.59	23.4	0.35	1.50	-0.3	6	98.7	0.22	0.22	0.00	2.00	9.0	18.0	1.86	0.10
4.76	21.5	0.29	1.35	-0.9	6	98.7	0.23	0.23	0.00	2.00	8.2	16.4	1.70	0.09
4.92	19.3	0.26	1.35	-1.1	6	98.7	0.24	0.24	0.00	2.00	7.4	14.8	1.52	0.09
5.09	20.9	0.27	1.30	-0.6	6	98.7	0.25	0.25	0.00	2.00	8.0	16.0	1.65	0.09
5.25	20.1	0.29	1.45	-0.4	6	98.7	0.26	0.26	0.00	1.98	7.7	15.2	1.58	0.09
5.41	18.3	0.24	1.32	-0.3	6	98.7	0.26	0.26	0.00	1.95	7.0	13.6	1.44	0.09
5.58	19.1	0.25	1.31	-1.0	6	98.7	0.27	0.27	0.00	1.92	7.3	14.0	1.51	0.09
5.74	17.0	0.26	1.53	-2.1	6	98.7	0.28	0.28	0.00	1.89	6.5	12.3	1.34	0.09
5.91	15.8	0.27	1.71	-0.2	6	98.7	0.29	0.29	0.00	1.87	6.1	11.3	1.24	0.09
6.07	16.0	0.15	0.94	-1.0	6	98.7	0.30	0.30	0.00	1.84	6.1	11.2	1.25	0.09
6.23	16.1	0.12	0.75	-0.9	6	98.7	0.30	0.30	0.00	1.81	6.2	11.2	1.26	0.09
.40	15.8	0.19	1.20	-0.5	6	98.7	0.31	0.31	0.00	1.79	6.1	10.9	1.24	0.09
56	17.4	0.17	0.98	-0.9	6	98.7	0.32	0.32	0.00	1.77	6.7	11.8	1.37	0.09
.73	17.0	0.23	1.35	-0.6	6	98.7	0.33	0.33	0.00	1.75	6.5	11.4	1.34	0.09
6.89	18.8	0.30	1.60	3.1	6	98.7	0.34	0.34	0.00	1.73	7.2	12.4	1.48	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4556
CPT File: 315CP19.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	18.5	0.30	1.63	12.3	6	98.7	0.34	0.34	0.00	1.70	7.1	12.0	1.45	0.09
7.22	18.1	0.33	1.83	16.8	6	98.7	0.35	0.35	0.00	1.69	6.9	11.7	1.42	0.10
7.38	20.1	0.31	1.54	13.5	6	98.7	0.36	0.36	0.00	1.67	7.7	12.8	1.58	0.10
7.55	20.2	0.33	1.64	18.0	6	98.7	0.37	0.37	0.00	1.65	7.7	12.8	1.59	0.10
7.71	20.4	0.31	1.52	20.4	6	98.7	0.38	0.38	0.00	1.63	7.8	12.7	1.60	0.10
7.87	21.3	0.34	1.60	23.1	6	98.7	0.38	0.38	0.00	1.61	8.2	13.2	1.67	0.10
8.04	24.8	0.38	1.54	24.4	6	98.7	0.39	0.39	0.00	1.60	9.5	15.1	1.95	0.10
8.20	24.2	0.39	1.62	25.9	6	98.7	0.40	0.40	0.00	1.58	9.3	14.6	1.90	0.10
8.37	22.7	0.37	1.63	31.5	6	98.7	0.41	0.41	0.00	1.56	8.7	13.6	1.78	0.10
8.53	23.5	0.33	1.41	35.5	6	98.7	0.42	0.42	0.00	1.55	9.0	14.0	1.85	0.10
8.69	23.5	0.32	1.36	41.3	6	98.7	0.43	0.43	0.00	1.53	9.0	13.8	1.85	0.10
8.86	24.5	0.34	1.39	45.5	6	98.7	0.43	0.43	0.00	1.52	9.4	14.3	1.92	0.10
9.02	24.4	0.45	1.85	32.6	6	98.7	0.44	0.44	0.00	1.51	9.4	14.1	1.92	0.11
9.19	22.0	0.47	2.14	36.6	6	98.7	0.45	0.45	0.00	1.49	8.4	12.6	1.73	0.11
9.35	22.8	0.44	1.94	18.0	6	98.7	0.46	0.46	0.00	1.48	8.7	12.9	1.78	0.11
9.51	22.2	0.40	1.80	26.6	6	98.7	0.47	0.47	0.00	1.47	8.5	12.5	1.74	0.10
9.68	23.2	0.36	1.56	26.8	6	98.7	0.47	0.47	0.00	1.45	8.9	12.9	1.82	0.10
9.84	22.2	0.34	1.54	28.4	6	98.7	0.48	0.48	0.00	1.44	8.5	12.2	1.74	0.10
10.01	22.1	0.32	1.45	28.6	6	98.7	0.49	0.49	0.00	1.43	8.5	12.1	1.73	0.10
10.17	23.5	0.31	1.32	32.4	6	98.7	0.50	0.50	0.00	1.42	9.0	12.8	1.84	0.10
10.33	22.7	0.30	1.33	39.0	6	98.7	0.51	0.51	0.00	1.41	8.7	12.2	1.77	0.10
10.50	23.5	0.35	1.49	43.2	6	98.7	0.51	0.51	0.00	1.39	9.0	12.6	1.84	0.10
10.66	25.3	0.33	1.31	46.7	6	98.7	0.52	0.52	0.00	1.38	9.7	13.4	1.98	0.10
10.83	28.1	0.37	1.32	45.9	6	98.7	0.53	0.53	0.00	1.37	10.7	14.8	2.20	0.10
10.99	23.2	0.30	1.30	10.3	6	98.7	0.54	0.54	0.00	1.36	8.9	12.1	1.81	0.10
11.15	25.3	0.33	1.31	8.0	6	98.7	0.55	0.55	0.00	1.35	9.7	13.1	1.98	0.10
11.32	38.5	0.31	0.81	3.4	7	98.7	0.55	0.55	0.00	1.34	12.3	16.5	UnDef	0.10
11.48	44.7	0.28	0.63	0.4	7	98.7	0.56	0.56	0.00	1.33	14.3	19.0	UnDef	0.11
11.65	50.9	0.24	0.47	-0.5	8	101.8	0.57	0.57	0.00	1.32	12.2	16.1	UnDef	0.11
.81	63.9	0.25	0.39	-1.2	8	101.8	0.58	0.58	0.00	1.31	15.3	20.1	UnDef	0.13
.97	64.0	0.34	0.53	-1.3	8	101.8	0.59	0.59	0.00	1.30	15.3	20.0	UnDef	0.14
12.14	65.3	0.44	0.68	-1.3	8	101.8	0.60	0.60	0.00	1.30	15.6	20.3	UnDef	0.15
12.30	65.3	0.44	0.68	-1.5	8	101.8	0.60	0.60	0.00	1.29	15.6	20.1	UnDef	0.15
12.47	58.8	0.42	0.72	-1.2	8	101.8	0.61	0.61	0.00	1.28	14.1	18.0	UnDef	0.13
12.63	55.9	0.36	0.65	-1.4	8	101.8	0.62	0.62	0.00	1.27	13.4	17.0	UnDef	0.12
12.80	51.9	0.31	0.60	-1.2	8	101.8	0.63	0.63	0.00	1.26	12.4	15.7	UnDef	0.12
12.96	48.2	0.29	0.60	-1.2	8	101.8	0.64	0.64	0.00	1.25	11.5	14.4	UnDef	0.11
13.12	48.7	0.28	0.58	-1.4	8	101.8	0.65	0.65	0.00	1.24	11.7	14.5	UnDef	0.11
13.29	44.6	0.26	0.58	-1.1	7	98.7	0.65	0.65	0.00	1.24	14.3	17.6	UnDef	0.10
13.45	37.7	0.33	0.88	-1.1	7	98.7	0.66	0.66	0.00	1.23	12.0	14.8	UnDef	0.10
13.62	33.7	0.42	1.25	-1.0	7	98.7	0.67	0.67	0.00	1.22	10.7	13.1	UnDef	0.11
13.78	29.4	0.55	1.87	-0.7	6	98.7	0.68	0.68	0.00	1.21	11.3	13.7	2.30	0.12
13.94	30.4	0.55	1.81	1.1	6	98.7	0.69	0.69	0.00	1.21	11.6	14.1	2.38	0.12
14.11	42.8	0.30	0.70	3.1	7	98.7	0.69	0.69	0.00	1.20	13.7	16.4	UnDef	0.10
14.27	64.6	0.35	0.54	-1.2	8	101.8	0.70	0.70	0.00	1.19	15.5	18.5	UnDef	0.13
14.44	88.3	0.48	0.55	-0.8	8	101.8	0.71	0.71	0.00	1.19	21.1	25.1	UnDef	0.19
14.60	94.7	0.59	0.62	-1.1	8	101.8	0.72	0.72	0.00	1.18	22.7	26.7	UnDef	0.21
14.76	80.3	0.57	0.71	-1.1	8	101.8	0.73	0.73	0.00	1.17	19.2	22.5	UnDef	0.17
14.93	64.5	0.46	0.72	-1.1	8	101.8	0.74	0.74	0.00	1.17	15.4	18.0	UnDef	0.14
15.09	58.4	0.42	0.72	-1.1	8	101.8	0.74	0.74	0.00	1.16	14.0	16.2	UnDef	0.12
15.26	52.3	0.45	0.86	-1.2	7	98.7	0.75	0.75	0.00	1.15	16.7	19.2	UnDef	0.12
15.42	46.4	0.67	1.45	-1.1	7	98.7	0.76	0.76	0.00	1.15	14.8	17.0	UnDef	0.13
15.58	41.5	0.73	1.76	-0.7	7	98.7	0.77	0.77	0.00	1.14	13.3	15.1	UnDef	0.14
15.75	45.1	0.88	1.96	0.6	6	98.7	0.78	0.78	0.00	1.13	17.3	19.6	3.55	0.15
15.91	50.3	1.01	2.01	0.3	6	98.7	0.79	0.79	0.00	1.13	19.3	21.7	3.96	0.17
16.08	47.9	0.96	2.01	0.9	6	98.7	0.79	0.79	0.00	1.12	18.4	20.6	3.77	0.16
16.24	56.0	0.74	1.32	1.9	7	98.7	0.80	0.80	0.00	1.12	17.9	20.0	UnDef	0.14
16.40	61.1	0.72	1.18	0.1	7	98.7	0.81	0.81	0.00	1.11	19.5	21.7	UnDef	0.15
16.57	61.4	0.89	1.45	0.0	7	98.7	0.82	0.82	0.00	1.11	19.6	21.7	UnDef	0.16
16.73	60.4	0.97	1.61	0.3	7	98.7	0.83	0.83	0.00	1.10	19.3	21.2	UnDef	0.17
.90	69.9	0.81	1.16	-0.3	8	101.8	0.83	0.83	0.00	1.10	16.7	18.3	UnDef	0.16
06	70.9	0.58	0.82	-0.7	8	101.8	0.84	0.84	0.00	1.09	17.0	18.5	UnDef	0.15
.22	61.1	0.65	1.07	-1.1	7	98.7	0.85	0.85	0.00	1.08	19.5	21.1	UnDef	0.14
17.39	48.0	0.69	1.44	-0.8	7	98.7	0.86	0.86	0.00	1.08	15.3	16.5	UnDef	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4556
CPT File: 315CP19.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	39.5	0.81	2.05	-0.4	6	98.7	0.87	0.87	0.00	1.07	15.1	16.3	3.09	0.16
17.72	39.1	0.86	2.21	0.3	6	98.7	0.87	0.87	0.00	1.07	15.0	16.0	3.06	0.17
17.88	39.5	0.70	1.78	3.5	6	98.7	0.88	0.88	0.00	1.06	15.1	16.1	3.09	0.14
18.04	40.1	0.69	1.72	4.2	7	98.7	0.89	0.89	0.00	1.06	12.8	13.6	UnDef	0.14
18.21	43.8	0.68	1.56	0.8	7	98.7	0.90	0.90	0.00	1.05	14.0	14.7	UnDef	0.13
18.37	44.7	0.67	1.50	0.3	7	98.7	0.91	0.91	0.00	1.05	14.3	15.0	UnDef	0.13
18.54	46.7	0.64	1.37	0.1	7	98.7	0.92	0.92	0.00	1.05	14.9	15.6	UnDef	0.13
18.70	48.2	0.52	1.08	-0.3	7	98.7	0.92	0.92	0.00	1.04	15.4	16.0	UnDef	0.12
18.86	50.9	0.35	0.69	-0.6	8	101.8	0.93	0.93	0.00	1.04	12.2	12.6	UnDef	0.11
19.03	47.3	0.24	0.51	-0.4	8	101.8	0.94	0.94	0.00	1.03	11.3	11.7	UnDef	0.10
19.19	47.5	0.26	0.55	-0.5	8	101.8	0.95	0.95	0.00	1.03	11.4	11.7	UnDef	0.10
19.36	48.5	0.37	0.76	-0.4	7	98.7	0.96	0.96	0.00	1.02	15.5	15.8	UnDef	0.11
19.52	48.4	0.45	0.93	-0.4	7	98.7	0.96	0.96	0.00	1.02	15.4	15.7	UnDef	0.11
19.68	49.1	0.61	1.24	-0.3	7	98.7	0.97	0.97	0.00	1.01	15.7	15.9	UnDef	0.13
19.85	54.0	0.59	1.10	-0.3	7	98.7	0.98	0.98	0.00	1.01	17.2	17.4	UnDef	0.13
20.01	53.7	0.57	1.06	-0.1	7	98.7	0.99	0.99	0.00	1.01	17.1	17.2	UnDef	0.13
20.18	53.1	0.43	0.81	-0.4	7	98.7	1.00	1.00	0.00	1.00	16.9	17.0	UnDef	0.12
20.34	53.6	0.39	0.73	-0.5	8	101.8	1.01	1.01	0.00	1.00	12.8	12.8	UnDef	0.11
20.51	54.9	0.49	0.90	-0.5	7	98.7	1.01	1.01	0.00	0.99	17.5	17.4	UnDef	0.12
20.67	55.2	0.51	0.93	-0.4	7	98.7	1.02	1.02	0.00	0.99	17.6	17.4	UnDef	0.12
20.83	52.3	0.42	0.81	-0.5	7	98.7	1.03	1.03	0.00	0.99	16.7	16.4	UnDef	0.11
21.00	49.4	0.35	0.71	-0.4	7	98.7	1.04	1.04	0.00	0.98	15.8	15.5	UnDef	0.11
21.16	45.2	0.32	0.71	-0.6	7	98.7	1.05	1.05	0.00	0.98	14.4	14.1	UnDef	0.10
21.33	39.7	0.45	1.14	-0.3	7	98.7	1.05	1.05	0.00	0.97	12.7	12.4	UnDef	0.11
21.49	35.8	0.57	1.59	-0.1	6	98.7	1.06	1.06	0.00	0.97	13.7	13.3	2.78	0.14
21.65	35.1	0.59	1.69	0.4	6	98.7	1.07	1.07	0.00	0.97	13.4	13.0	2.72	0.15
21.82	34.8	0.62	1.79	2.5	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.70	0.16
21.98	33.4	0.64	1.92	8.6	6	98.7	1.09	1.09	0.00	0.96	12.8	12.3	2.58	0.18
22.15	33.0	0.64	1.94	12.8	6	98.7	1.09	1.09	0.00	0.96	12.6	12.1	2.55	0.19
31	32.7	0.61	1.87	12.9	6	98.7	1.10	1.10	0.00	0.95	12.5	11.9	2.53	0.18
.47	32.1	0.57	1.78	15.9	6	98.7	1.11	1.11	0.00	0.95	12.3	11.7	2.48	0.17
22.64	33.2	0.51	1.54	19.3	6	98.7	1.12	1.12	0.00	0.95	12.7	12.0	2.56	0.14
22.80	40.2	0.62	1.55	21.9	7	98.7	1.13	1.13	0.00	0.94	12.8	12.1	UnDef	0.14
22.97	37.9	0.52	1.38	3.0	7	98.7	1.13	1.13	0.00	0.94	12.1	11.4	UnDef	0.13
23.13	41.2	0.62	1.51	4.9	7	98.7	1.14	1.14	0.00	0.94	13.2	12.3	UnDef	0.14
23.29	40.8	0.66	1.62	1.7	7	98.7	1.15	1.15	0.00	0.93	13.0	12.1	UnDef	0.15
23.46	33.4	0.58	1.74	1.9	6	98.7	1.16	1.16	0.00	0.93	12.8	11.9	2.58	0.17
23.62	35.0	0.52	1.49	4.2	7	98.7	1.17	1.17	0.00	0.93	11.2	10.3	UnDef	0.14
23.79	39.4	0.52	1.32	2.3	7	98.7	1.18	1.18	0.00	0.92	12.6	11.6	UnDef	0.13
23.95	40.5	0.70	1.73	1.9	7	98.7	1.18	1.18	0.00	0.92	12.9	11.9	UnDef	0.16
24.11	36.8	0.64	1.74	2.0	6	98.7	1.19	1.19	0.00	0.92	14.1	12.9	2.85	0.17
24.28	39.1	0.68	1.75	3.3	6	98.7	1.20	1.20	0.00	0.91	15.0	13.7	3.03	0.17
24.44	46.4	0.71	1.53	2.4	7	98.7	1.21	1.21	0.00	0.91	14.8	13.5	UnDef	0.15
24.61	43.8	0.85	1.95	1.6	6	98.7	1.22	1.22	0.00	0.91	16.8	15.2	3.40	0.19
24.77	43.0	0.96	2.24	2.1	6	98.7	1.22	1.22	0.00	0.90	16.5	14.9	3.34	0.25
24.93	47.0	0.80	1.71	3.3	7	98.7	1.23	1.23	0.00	0.90	15.0	13.5	UnDef	0.16
25.10	50.8	0.84	1.66	2.6	7	98.7	1.24	1.24	0.00	0.90	16.2	14.6	UnDef	0.16
25.26	44.9	0.83	1.85	1.2	7	98.7	1.25	1.25	0.00	0.90	14.3	12.8	UnDef	0.18
25.43	43.1	0.84	1.95	1.4	6	98.7	1.26	1.26	0.00	0.89	16.5	14.7	3.35	0.20
25.59	53.1	0.71	1.34	-0.1	7	98.7	1.26	1.26	0.00	0.89	16.9	15.1	UnDef	0.14
25.75	54.9	0.63	1.15	-1.8	7	98.7	1.27	1.27	0.00	0.89	17.5	15.5	UnDef	0.13
25.92	59.1	0.68	1.15	-1.1	7	98.7	1.28	1.28	0.00	0.88	18.9	16.7	UnDef	0.14
26.08	64.9	0.57	0.88	-0.5	8	101.8	1.29	1.29	0.00	0.88	15.5	13.7	UnDef	0.13
26.25	79.3	0.62	0.78	-0.7	8	101.8	1.30	1.30	0.00	0.88	19.0	16.7	UnDef	0.15
26.41	90.7	0.62	0.69	-0.7	8	101.8	1.31	1.31	0.00	0.88	21.7	19.0	UnDef	0.16
26.57	82.7	0.75	0.91	-0.7	8	101.8	1.31	1.31	0.00	0.87	19.8	17.3	UnDef	0.16
26.74	81.8	0.90	1.10	-0.7	8	101.8	1.32	1.32	0.00	0.87	19.6	17.0	UnDef	0.17
26.90	77.1	1.21	1.57	-0.5	7	98.7	1.33	1.33	0.00	0.87	24.6	21.3	UnDef	0.20
27.07	68.8	1.39	2.03	-0.5	7	98.7	1.34	1.34	0.00	0.86	22.0	19.0	UnDef	0.24
27.23	78.6	1.31	1.67	-0.2	7	98.7	1.35	1.35	0.00	0.86	25.1	21.6	UnDef	0.21
.39	91.9	1.17	1.28	-0.8	8	101.8	1.35	1.35	0.00	0.86	22.0	18.9	UnDef	0.21
56	91.9	0.84	0.92	-0.9	8	101.8	1.36	1.36	0.00	0.86	22.0	18.9	UnDef	0.18
.72	83.7	0.80	0.96	-1.1	8	101.8	1.37	1.37	0.00	0.85	20.1	17.1	UnDef	0.16
27.89	81.9	0.70	0.86	-1.0	8	101.8	1.38	1.38	0.00	0.85	19.6	16.7	UnDef	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4556
CPT File: 315CP19.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	82.5	0.73	0.89	-1.1	8	101.8	1.39	1.39	0.00	0.85	19.8	16.8	UnDef	0.16
28.21	91.1	0.88	0.97	-0.6	8	101.8	1.40	1.40	0.00	0.85	21.8	18.5	UnDef	0.18
28.38	124.9	1.20	0.96	-0.4	8	101.8	1.40	1.40	0.00	0.84	29.9	25.2	UnDef	0.26
28.54	155.0	1.39	0.90	-0.5	9	101.8	1.41	1.41	0.00	0.84	29.7	25.0	UnDef	0.36
28.71	164.2	0.02	0.01	-0.4	9	101.8	1.42	1.42	0.00	0.84	31.4	26.4	UnDef	0.31
28.87	180.9	0.02	0.01	-0.4	9	101.8	1.43	1.43	0.00	0.84	34.6	29.0	UnDef	0.38

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4556
'ob No: 99-315
'ent: Stone & Webster Engineering
'oject: Private Fuel Storage Faclity
Site: CPT-19
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 11:03
CPT File: 315CP19.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	720.9	0.46	10	8.4	0.0	8.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.2
0.33	5.0E-05	0.00	758.4	0.20	10	19.2	0.0	19.2	0.0	50	62.8	10.0	-0.23	0.0	7.7
0.49	5.0E-05	0.00	442.6	0.21	10	18.1	0.0	18.1	0.0	48	54.2	10.0	-0.19	0.0	7.2
0.66	5.0E-05	0.00	348.7	0.20	10	19.7	0.0	19.7	0.0	48	52.0	10.0	-0.16	0.0	7.9
0.82	5.0E-04	-0.01	469.0	0.11	10	33.7	0.0	33.7	0.0	48	64.0	1.0	-0.14	0.0	11.2
0.98	5.0E-04	0.00	622.6	0.07	10	54.4	0.0	54.4	0.0	50	74.9	1.0	-0.12	0.0	18.1
1.15	5.0E-03	0.00	694.7	0.05	10	71.7	0.0	71.7	0.0	50	80.4	1.0	-0.11	0.0	17.9
1.31	5.0E-04	0.00	587.1	0.83	9	69.9	0.0	69.9	0.8	50	77.6	1.0	-0.33	0.0	23.3
48	5.0E-05	0.00	394.4	2.57	12	53.1	UnDef	UnDef	0.0	48	68.0	10.0	-0.47	UnDef	UnDef
.64	5.0E-06	0.00	329.7	2.78	12	49.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.80	5.0E-05	0.00	322.0	1.46	9	52.7	1.2	53.9	5.9	46	65.0	10.0	-0.34	0.3	21.4
1.97	5.0E-04	-0.01	311.6	0.41	10	55.9	0.0	55.9	0.3	46	65.3	1.0	-0.21	0.0	18.6
2.13	5.0E-04	0.00	307.7	0.10	10	60.0	0.0	60.0	0.0	46	66.2	1.0	-0.09	0.0	20.0
2.30	5.0E-04	0.00	332.7	0.33	10	70.0	0.0	70.0	0.0	48	69.5	1.0	-0.20	0.0	23.3
2.46	5.0E-04	0.00	415.7	1.23	9	93.8	0.0	93.8	3.8	48	76.9	1.0	-0.35	0.0	31.3
2.62	5.0E-04	0.00	588.2	1.38	9	141.8	0.0	141.8	3.3	50	87.8	1.0	-0.40	0.0	47.3
2.79	5.0E-04	0.00	403.0	1.93	9	103.5	5.3	108.8	6.8	48	77.8	1.0	-0.41	1.1	35.6
2.95	5.0E-05	0.00	257.9	1.73	9	70.3	6.4	76.8	8.1	46	65.9	10.0	-0.34	1.6	29.7
3.12	5.0E-04	0.00	181.3	0.55	9	52.4	0.0	52.4	3.5	44	56.7	1.0	-0.19	0.0	17.5
3.28	5.0E-04	0.00	165.9	0.31	9	50.5	0.0	50.5	2.0	44	54.9	1.0	-0.13	0.0	16.8
3.44	5.0E-04	0.00	192.0	0.85	9	61.4	0.4	61.8	5.2	44	59.8	1.0	-0.23	0.1	20.6
3.61	5.0E-04	0.00	194.0	1.39	9	65.1	6.1	71.2	8.2	44	60.8	1.0	-0.29	1.2	22.9
3.77	5.0E-05	0.00	172.8	1.69	9	60.7	10.2	70.9	10.4	44	58.1	10.0	-0.30	2.4	26.7
3.94	5.0E-05	0.00	149.3	1.59	9	54.8	10.4	65.2	11.0	44	54.6	10.0	-0.28	2.4	24.3
4.10	5.0E-05	0.00	109.7	1.66	7	42.1	12.8	54.9	13.7	42	46.4	10.0	-0.25	2.9	19.7
4.27	5.0E-05	0.00	107.8	1.62	9	43.1	13.0	56.1	13.7	42	46.5	10.0	-0.25	2.9	20.2
4.43	5.0E-05	0.00	116.5	1.48	9	48.3	11.7	60.0	12.3	42	49.2	10.0	-0.24	2.7	22.0
4.59	5.0E-05	0.00	104.2	1.51	9	44.9	13.0	57.9	13.4	42	46.6	10.0	-0.23	2.9	20.9
4.76	5.0E-05	0.00	91.9	1.37	9	41.1	12.4	53.5	13.7	42	43.5	10.0	-0.21	2.8	19.2
4.92	5.0E-05	0.00	79.7	1.37	7	37.0	13.5	50.4	15.0	42	40.0	10.0	-0.20	3.0	17.7
5.09	5.0E-05	0.00	83.5	1.31	9	40.0	13.1	53.1	14.2	42	41.8	10.0	-0.20	2.9	18.9
5.25	5.0E-05	0.00	77.6	1.47	7	38.4	15.7	54.1	15.9	40	40.2	10.0	-0.20	3.4	18.6
5.41	5.0E-05	0.00	68.4	1.34	7	34.9	15.1	50.0	16.3	40	37.1	10.0	-0.18	3.2	16.8
5.58	5.0E-05	0.00	69.4	1.33	7	35.9	15.3	51.1	16.2	40	37.9	10.0	-0.18	3.2	17.3
5.74	5.0E-05	0.00	59.8	1.56	7	31.4	19.2	50.6	19.2	40	34.1	10.0	-0.18	3.8	16.1
5.91	5.0E-05	0.00	54.1	1.74	7	28.9	22.5	51.4	21.4	40	31.7	10.0	-0.18	4.3	15.6
6.07	5.0E-05	0.00	53.0	0.96	7	28.7	12.6	41.3	16.4	40	31.5	10.0	-0.12	2.6	13.9
6.23	5.0E-05	0.00	52.0	0.76	9	28.6	10.4	38.9	15.0	38	31.4	10.0	-0.10	2.2	13.4
6.40	5.0E-05	0.00	49.8	1.23	7	27.8	16.8	44.5	19.1	38	30.5	6.0	-0.14	3.4	14.2
56	5.0E-05	0.00	53.5	1.00	7	30.2	13.5	43.7	16.6	40	32.9	10.0	-0.13	2.8	14.6
73	5.0E-05	0.00	51.0	1.38	7	29.1	19.2	48.3	19.9	38	31.9	10.0	-0.15	3.8	15.2
.89	5.0E-05	0.01	54.9	1.63	7	31.7	22.6	54.3	20.6	40	34.4	10.0	-0.18	4.4	16.8

ConeTec Inc. - CPT Interpretation
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pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	52.6	1.66	7	30.8	23.6	54.4	21.3	38	33.5	10.0	-0.17	4.5	16.5
7.22	5.0E-05	0.03	50.4	1.86	7	29.8	27.6	57.4	23.0	38	32.6	10.0	-0.18	5.0	16.7
7.38	5.0E-05	0.02	54.8	1.57	7	32.8	22.5	55.3	20.2	40	35.3	10.0	-0.17	4.4	17.2
7.55	5.0E-05	0.03	53.8	1.67	7	32.6	24.4	57.0	21.0	40	35.1	10.0	-0.17	4.7	17.4
7.71	5.0E-05	0.03	53.2	1.55	7	32.6	22.9	55.5	20.5	40	35.1	10.0	-0.16	4.4	17.2
7.87	5.0E-05	0.03	54.4	1.63	7	33.6	24.2	57.8	20.7	40	36.0	10.0	-0.17	4.7	17.8
8.04	5.0E-05	0.03	62.1	1.56	7	38.7	22.5	61.2	18.8	40	40.1	10.0	-0.18	4.5	19.7
8.20	5.0E-05	0.03	59.4	1.64	7	37.4	24.3	61.7	19.7	40	39.1	10.0	-0.18	4.8	19.4
8.37	5.0E-05	0.04	54.5	1.66	7	34.7	25.5	60.3	20.9	40	37.0	10.0	-0.17	4.9	18.5
8.53	5.0E-05	0.05	55.5	1.43	7	35.7	21.9	57.5	19.2	40	37.7	10.0	-0.16	4.4	18.3
8.69	5.0E-05	0.06	54.3	1.39	7	35.3	21.6	56.9	19.2	40	37.4	10.0	-0.15	4.3	18.1
8.86	5.0E-05	0.06	55.5	1.42	7	36.4	22.1	58.5	19.1	40	38.3	10.0	-0.16	4.4	18.7
9.02	5.0E-05	0.04	54.4	1.88	7	36.0	30.4	66.3	22.1	40	38.0	10.0	-0.19	5.6	19.7
9.19	5.0E-05	0.05	48.0	2.18	7	32.1	38.2	70.3	25.3	38	34.7	6.0	-0.19	6.5	19.0
9.35	5.0E-05	0.03	48.8	1.98	7	32.9	34.0	66.9	24.0	38	35.4	6.0	-0.18	6.0	18.9
9.51	5.0E-05	0.04	46.7	1.84	7	31.9	32.1	64.0	23.8	38	34.5	6.0	-0.17	5.7	18.2
9.68	5.0E-05	0.04	48.0	1.59	7	33.0	27.3	60.3	22.0	38	35.5	6.0	-0.16	5.1	18.0
9.84	5.0E-05	0.04	45.0	1.57	7	31.3	27.8	59.1	22.6	38	34.0	6.0	-0.15	5.1	17.4
10.01	5.0E-05	0.04	44.1	1.48	7	30.9	26.7	57.6	22.3	38	33.6	6.0	-0.14	4.9	17.0
10.17	5.0E-05	0.04	46.3	1.35	7	32.6	23.9	56.6	20.9	38	35.2	6.0	-0.14	4.6	17.4
10.33	5.0E-05	0.05	43.8	1.36	7	31.2	24.8	56.0	21.6	38	33.9	6.0	-0.13	4.7	16.9
10.50	5.0E-05	0.06	44.7	1.53	7	32.1	27.9	60.0	22.4	38	34.7	6.0	-0.14	5.2	17.7
10.66	5.0E-05	0.06	47.5	1.33	7	34.3	24.0	58.3	20.4	38	36.6	6.0	-0.14	4.7	18.1
10.83	5.0E-05	0.05	51.9	1.35	7	37.7	23.7	61.4	19.5	38	39.3	10.0	-0.15	4.7	19.5
10.99	5.0E-05	0.01	42.0	1.33	7	30.9	25.4	56.3	21.9	38	33.6	6.0	-0.13	4.8	16.9
11.15	5.0E-05	0.01	45.4	1.33	7	33.5	25.0	58.5	21.0	38	36.0	6.0	-0.14	4.8	17.9
11.32	5.0E-04	0.00	68.4	0.82	9	50.6	13.0	63.6	12.7	40	47.7	1.0	-0.13	2.4	18.9
11.48	5.0E-04	0.00	78.5	0.64	9	58.3	8.7	67.1	9.9	42	51.8	1.0	-0.13	1.7	20.7
11.65	5.0E-03	0.00	88.1	0.48	9	65.9	0.0	65.9	5.0	42	55.3	1.0	-0.11	0.0	16.1
81	5.0E-03	0.00	109.4	0.40	9	82.2	0.0	82.2	5.0	42	61.7	1.0	-0.12	0.0	20.1
.97	5.0E-03	0.00	107.9	0.54	9	81.7	3.5	85.2	6.6	42	61.5	1.0	-0.14	0.5	20.5
12.14	5.0E-03	0.00	108.6	0.68	9	82.8	6.4	89.2	7.7	42	61.9	1.0	-0.16	1.0	21.2
12.30	5.0E-03	0.00	107.1	0.68	9	82.3	6.6	88.9	7.8	42	61.7	1.0	-0.16	1.0	21.1
12.47	5.0E-03	0.00	94.9	0.72	9	73.5	8.9	82.4	9.0	42	58.4	1.0	-0.15	1.3	19.3
12.63	5.0E-03	0.00	89.1	0.65	9	69.5	8.2	77.7	9.0	42	56.8	1.0	-0.14	1.2	18.2
12.80	5.0E-03	0.00	81.4	0.61	9	64.0	8.3	72.3	9.3	42	54.5	1.0	-0.12	1.2	16.9
12.96	5.0E-03	0.00	74.5	0.61	9	59.0	9.3	68.4	10.1	40	52.2	1.0	-0.12	1.3	15.8
13.12	5.0E-03	0.00	74.3	0.58	9	59.3	8.9	68.2	9.9	40	52.3	1.0	-0.11	1.3	15.8
13.29	5.0E-04	0.00	67.2	0.59	9	54.0	10.0	64.0	10.9	40	49.6	1.0	-0.11	1.9	19.5
13.45	5.0E-04	0.00	55.9	0.89	7	45.3	17.2	62.5	15.3	40	44.6	1.0	-0.12	3.1	17.9
13.62	5.0E-04	0.00	49.2	1.28	7	40.2	25.7	65.9	19.6	38	41.2	1.0	-0.14	4.2	17.4
13.78	5.0E-05	0.00	42.4	1.92	7	35.0	42.3	77.3	25.5	38	37.2	6.0	-0.17	7.1	20.8
13.94	5.0E-05	0.00	43.3	1.85	7	35.9	40.6	76.5	24.9	38	37.9	6.0	-0.17	7.0	21.0
14.11	5.0E-04	0.00	60.6	0.71	9	50.3	13.5	63.8	12.9	40	47.6	1.0	-0.11	2.5	18.9
14.27	5.0E-03	0.00	91.0	0.55	9	75.4	6.4	81.8	7.9	42	59.2	1.0	-0.13	0.9	19.4
14.44	5.0E-03	0.00	123.1	0.55	9	102.4	2.1	104.6	5.8	42	68.0	1.0	-0.15	0.3	25.4
14.60	5.0E-03	0.00	130.5	0.63	9	109.2	3.1	112.3	6.0	44	69.8	1.0	-0.17	0.5	27.2
14.76	5.0E-03	0.00	109.3	0.72	9	92.1	7.8	99.9	7.9	42	64.9	1.0	-0.17	1.2	23.7
14.93	5.0E-03	0.00	86.5	0.72	9	73.5	10.8	84.3	9.8	42	58.5	1.0	-0.15	1.6	19.5
15.09	5.0E-03	0.00	77.4	0.73	9	66.2	12.1	78.4	10.8	40	55.5	1.0	-0.14	1.7	17.9
15.26	5.0E-04	0.00	68.5	0.87	9	59.0	16.3	75.3	13.1	40	52.1	1.0	-0.14	3.0	22.3
15.42	5.0E-04	0.00	60.0	1.47	7	52.1	29.7	81.8	18.6	40	48.6	1.0	-0.18	5.0	22.0
15.58	5.0E-04	0.00	53.0	1.80	7	46.3	38.4	84.7	22.0	40	45.2	1.0	-0.18	6.0	21.1
15.75	5.0E-05	0.00	57.0	1.99	7	50.1	42.3	92.4	22.2	40	47.4	10.0	-0.20	7.9	27.5
15.91	5.0E-05	0.00	63.0	2.05	7	55.5	42.7	98.2	21.3	40	50.4	10.0	-0.22	8.1	29.8
16.08	5.0E-05	0.00	59.4	2.04	7	52.6	43.5	96.2	22.0	40	48.9	10.0	-0.21	8.1	28.7
16.24	5.0E-04	0.00	68.9	1.34	7	61.3	26.5	87.8	16.3	40	53.2	1.0	-0.18	4.7	24.6
16.40	5.0E-04	0.00	74.4	1.20	9	66.4	22.9	89.3	14.6	40	55.5	1.0	-0.18	4.1	25.8
16.57	5.0E-04	0.00	74.1	1.47	7	66.5	28.9	95.4	16.4	40	55.6	1.0	-0.20	5.1	26.8
16.73	5.0E-04	0.00	72.2	1.63	7	65.1	32.8	97.9	17.6	40	55.0	1.0	-0.20	5.6	26.9
.90	5.0E-03	0.00	82.9	1.17	9	75.0	21.8	96.7	13.4	42	59.0	1.0	-0.18	3.0	21.3
06	5.0E-03	0.00	83.2	0.83	9	75.6	14.3	89.9	11.0	42	59.3	1.0	-0.15	2.0	20.5
.22	5.0E-04	0.00	70.8	1.08	9	64.8	21.4	86.2	14.3	40	54.8	1.0	-0.16	3.9	25.0
17.39	5.0E-04	0.00	54.9	1.47	7	50.7	32.3	83.0	19.6	40	47.8	1.0	-0.17	5.3	21.9

ConeTec Inc. - CPT Interpretation
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pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	44.6	2.10	7	41.6	52.1	93.7	25.8	38	42.1	6.0	-0.18	8.7	25.0
17.72	5.0E-05	0.00	43.7	2.26	7	40.9	57.9	98.8	26.9	38	41.7	6.0	-0.19	9.3	25.3
17.88	5.0E-05	0.00	43.7	1.82	7	41.1	44.8	85.9	24.5	38	41.8	6.0	-0.16	7.8	23.9
18.04	5.0E-04	0.00	44.0	1.76	7	41.6	43.3	84.9	24.1	38	42.1	1.0	-0.16	6.4	19.9
18.21	5.0E-04	0.00	47.7	1.59	7	45.2	37.7	82.9	22.0	38	44.5	1.0	-0.16	5.9	20.6
18.37	5.0E-04	0.00	48.3	1.53	7	45.9	36.3	82.2	21.5	38	45.0	1.0	-0.16	5.7	20.7
18.54	5.0E-04	0.00	50.0	1.40	7	47.8	32.8	80.6	20.3	38	46.1	1.0	-0.15	5.3	20.9
18.70	5.0E-04	0.00	51.2	1.10	7	49.1	25.7	74.9	17.9	38	46.9	1.0	-0.13	4.4	20.4
18.86	5.0E-03	0.00	53.6	0.70	9	51.6	16.5	68.2	14.1	40	48.3	1.0	-0.10	2.3	14.9
19.03	5.0E-03	0.00	49.4	0.52	9	47.8	13.3	61.1	13.2	38	46.1	1.0	-0.07	1.8	13.5
19.19	5.0E-03	0.00	49.0	0.56	9	47.7	14.3	62.0	13.7	38	46.1	1.0	-0.07	2.0	13.6
19.36	5.0E-04	0.00	49.7	0.78	7	48.5	19.2	67.7	15.6	38	46.5	1.0	-0.10	3.4	19.2
19.52	5.0E-04	0.00	49.1	0.95	7	48.2	23.3	71.4	17.2	38	46.3	1.0	-0.12	4.0	19.7
19.68	5.0E-04	0.00	49.5	1.27	7	48.7	30.7	79.5	19.5	38	46.7	1.0	-0.14	5.1	21.0
19.85	5.0E-04	0.00	54.0	1.12	7	53.3	26.3	79.7	17.4	40	49.3	1.0	-0.14	4.5	21.9
20.01	5.0E-04	0.00	53.3	1.08	7	52.8	25.9	78.7	17.3	40	49.0	1.0	-0.13	4.5	21.7
20.18	5.0E-04	0.00	52.2	0.83	7	52.0	20.2	72.2	15.5	38	48.5	1.0	-0.11	3.6	20.6
20.34	5.0E-03	0.00	52.3	0.74	9	52.3	18.4	70.7	14.7	38	48.7	1.0	-0.10	2.5	15.3
20.51	5.0E-04	0.00	53.1	0.91	7	53.3	22.2	75.5	16.0	40	49.3	1.0	-0.12	3.9	21.3
20.67	5.0E-04	0.00	53.0	0.94	7	53.4	23.0	76.5	16.3	40	49.3	1.0	-0.12	4.0	21.5
20.83	5.0E-04	0.00	49.7	0.82	7	50.4	20.9	71.3	16.0	38	47.6	1.0	-0.10	3.7	20.1
21.00	5.0E-04	0.00	46.6	0.73	7	47.4	19.3	66.8	15.8	38	45.9	1.0	-0.09	3.4	18.9
21.16	5.0E-04	0.00	42.2	0.73	7	43.3	20.3	63.6	17.0	38	43.3	1.0	-0.08	3.5	17.6
21.33	5.0E-04	0.00	36.7	1.17	7	37.9	33.2	71.1	22.5	38	39.4	1.0	-0.11	5.1	17.5
21.49	5.0E-05	0.00	32.7	1.64	7	34.0	51.0	85.0	27.5	36	36.4	6.0	-0.12	8.0	21.3
21.65	5.0E-05	0.00	31.8	1.74	7	33.2	56.0	89.2	28.5	36	35.7	6.0	-0.13	8.4	21.4
21.82	5.0E-05	0.00	31.2	1.84	7	32.8	61.5	94.3	29.4	36	35.3	6.0	-0.13	8.8	21.7
21.98	5.0E-05	0.01	29.7	1.99	7	31.4	71.6	103.0	31.1	36	34.0	6.0	-0.13	9.5	21.7
22.15	5.0E-05	0.01	29.2	2.01	7	30.9	74.6	105.5	31.5	36	33.6	6.0	-0.13	9.6	21.7
.31	5.0E-05	0.01	28.7	1.94	7	30.5	72.1	102.6	31.3	36	33.2	6.0	-0.12	9.4	21.3
.47	5.0E-05	0.02	27.9	1.84	7	29.8	69.3	99.1	31.2	36	32.6	6.0	-0.12	9.1	20.7
22.64	5.0E-05	0.02	28.7	1.59	7	30.7	55.6	86.3	29.1	36	33.4	6.0	-0.11	8.1	20.1
22.80	5.0E-04	0.02	34.7	1.59	7	37.1	48.8	85.8	26.3	36	38.8	1.0	-0.13	6.7	18.8
22.97	5.0E-04	0.00	32.4	1.42	7	34.8	44.8	79.6	26.1	36	37.0	1.0	-0.11	6.2	17.5
23.13	5.0E-04	0.00	35.1	1.55	7	37.7	47.5	85.2	25.9	38	39.3	1.0	-0.13	6.6	18.9
23.29	5.0E-04	0.00	34.5	1.67	7	37.2	52.3	89.5	26.9	36	39.0	1.0	-0.13	7.0	19.1
23.46	5.0E-05	0.00	27.8	1.81	7	30.3	68.9	99.2	31.0	36	33.1	6.0	-0.12	9.1	21.0
23.62	5.0E-04	0.00	29.0	1.54	7	31.7	54.1	85.7	28.6	36	34.3	1.0	-0.11	6.7	17.1
23.79	5.0E-04	0.00	32.5	1.36	7	35.6	43.6	79.2	25.6	36	37.7	1.0	-0.11	6.1	17.7
23.95	5.0E-04	0.00	33.2	1.78	7	36.4	58.9	95.4	28.1	36	38.3	1.0	-0.13	7.5	19.4
24.11	5.0E-05	0.00	29.9	1.80	7	33.0	65.0	98.0	29.8	36	35.5	6.0	-0.12	9.2	22.1
24.28	5.0E-05	0.00	31.6	1.80	7	34.9	62.4	97.3	29.0	36	37.1	6.0	-0.13	9.1	22.8
24.44	5.0E-04	0.00	37.4	1.58	7	41.3	48.0	89.3	25.1	38	41.9	1.0	-0.13	6.8	20.3
24.61	5.0E-05	0.00	35.0	2.00	7	38.8	66.9	105.7	28.7	38	40.2	6.0	-0.15	10.0	25.2
24.77	5.0E-05	0.00	34.1	2.30	7	38.0	83.5	121.5	30.7	36	39.6	6.0	-0.16	11.2	26.1
24.93	5.0E-04	0.00	37.1	1.75	7	41.4	55.0	96.4	26.4	38	42.0	1.0	-0.14	7.5	21.0
25.10	5.0E-04	0.00	40.0	1.70	7	44.6	51.2	95.9	25.0	38	44.2	1.0	-0.15	7.3	21.9
25.26	5.0E-04	0.00	35.0	1.91	7	39.3	63.5	102.9	28.1	38	40.5	1.0	-0.15	8.1	20.9
25.43	5.0E-05	0.00	33.3	2.01	7	37.7	70.9	108.5	29.5	36	39.3	6.0	-0.15	10.2	24.9
25.59	5.0E-04	0.00	41.0	1.37	7	46.2	40.7	86.9	22.5	38	45.1	1.0	-0.13	6.2	21.3
25.75	5.0E-04	0.00	42.2	1.18	7	47.6	34.7	82.3	20.8	38	46.0	1.0	-0.12	5.6	21.1
25.92	5.0E-04	0.00	45.2	1.18	7	51.2	33.9	85.0	19.9	38	48.1	1.0	-0.13	5.5	22.2
26.08	5.0E-03	0.00	49.4	0.90	7	55.9	25.4	81.4	16.7	38	50.6	1.0	-0.11	3.3	17.0
26.25	5.0E-03	0.00	60.2	0.80	9	68.2	20.7	88.9	13.7	40	56.3	1.0	-0.12	2.8	19.5
26.41	5.0E-03	0.00	68.5	0.70	9	77.7	16.7	94.4	11.6	40	60.0	1.0	-0.12	2.4	21.4
26.57	5.0E-03	0.00	61.9	0.92	9	70.6	23.9	94.5	14.5	40	57.3	1.0	-0.14	3.2	20.5
26.74	5.0E-03	0.00	60.8	1.12	7	69.6	29.4	99.0	16.1	40	56.9	1.0	-0.15	3.9	20.9
26.90	5.0E-04	0.00	57.0	1.60	7	65.4	43.6	109.0	20.0	40	55.1	1.0	-0.18	7.1	28.5
27.07	5.0E-04	0.00	50.4	2.07	7	58.2	60.4	118.6	24.1	38	51.8	1.0	-0.19	8.9	27.9
27.23	5.0E-04	0.00	57.4	1.70	7	66.3	46.7	113.0	20.5	40	55.5	1.0	-0.19	7.5	29.2
.39	5.0E-03	0.00	66.8	1.30	7	77.3	33.5	110.8	16.3	40	59.9	1.0	-0.17	4.4	23.3
56	5.0E-03	0.00	66.4	0.93	9	77.0	23.7	100.8	13.8	40	59.8	1.0	-0.14	3.3	22.1
.72	5.0E-03	0.00	60.1	0.97	7	70.0	26.1	96.1	15.2	40	57.0	1.0	-0.14	3.5	20.6
27.89	5.0E-03	0.00	58.3	0.87	9	68.2	23.7	92.0	14.7	40	56.3	1.0	-0.12	3.2	19.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4556
CPT File: 315CP19.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-03	0.00	58.4	0.90	9	68.5	24.6	93.2	14.9	40	56.4	1.0	-0.13	3.3	20.1
28.21	5.0E-03	0.00	64.2	0.98	9	75.4	25.9	101.3	14.6	40	59.2	1.0	-0.14	3.5	22.0
28.38	5.0E-03	0.00	87.9	0.97	9	103.1	21.9	125.0	11.5	42	68.2	1.0	-0.17	3.1	28.3
28.54	5.0E-02	0.00	108.7	0.91	9	127.6	16.8	144.3	9.4	42	74.3	1.0	-0.19	2.0	26.9
28.71	5.0E-02	0.00	114.5	0.01	9	134.7	0.0	134.7	3.9	42	75.8	1.0	0.17	0.0	26.4
28.87	5.0E-02	0.00	125.5	0.01	10	148.0	0.0	148.0	3.6	44	78.5	1.0	0.17	0.0	29.0

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4600
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-20
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 09:47
CPT File: 315CP20.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.8	0.02	0.42	0.0	1	74.5	0.01	0.01	0.00	2.00	2.3	4.6	0.38	0.00
0.33	11.0	0.02	0.18	-0.8	6	98.7	0.01	0.01	0.00	2.00	4.2	8.4	0.88	0.00
0.49	14.0	0.23	1.65	-0.8	5	85.3	0.02	0.02	0.00	2.00	6.7	13.4	1.12	0.00
0.66	15.2	0.42	2.78	-10.2	5	85.3	0.03	0.03	0.00	2.00	7.3	14.5	1.21	0.00
0.82	20.5	0.57	2.79	-12.5	5	85.3	0.03	0.03	0.00	2.00	9.8	19.6	1.63	0.00
0.98	41.2	0.55	1.34	-6.5	7	98.7	0.04	0.04	0.00	2.00	13.2	26.3	UnDef	0.13
1.15	52.9	0.58	1.10	-0.6	7	98.7	0.05	0.05	0.00	2.00	16.9	33.8	UnDef	0.18
.31	52.9	0.51	0.97	-0.1	7	98.7	0.06	0.06	0.00	2.00	16.9	33.8	UnDef	0.18
.48	47.7	0.60	1.26	-0.1	7	98.7	0.07	0.07	0.00	2.00	15.2	30.4	UnDef	0.15
1.64	45.7	0.51	1.12	-0.5	7	98.7	0.07	0.07	0.00	2.00	14.6	29.2	UnDef	0.14
1.80	44.7	0.48	1.08	-0.4	7	98.7	0.08	0.08	0.00	2.00	14.3	28.5	UnDef	0.14
1.97	47.2	0.23	0.49	-0.2	8	101.8	0.09	0.09	0.00	2.00	11.3	22.6	UnDef	0.15
2.13	49.4	0.37	0.75	-0.2	7	98.7	0.10	0.10	0.00	2.00	15.8	31.6	UnDef	0.16
2.30	40.4	0.46	1.14	-0.1	7	98.7	0.11	0.11	0.00	2.00	12.9	25.8	UnDef	0.12
2.46	34.2	0.58	1.70	-0.6	6	98.7	0.12	0.12	0.00	2.00	13.1	26.2	2.73	0.11
2.62	31.0	0.46	1.49	-0.7	6	98.7	0.12	0.12	0.00	2.00	11.9	23.8	2.47	0.10
2.79	34.3	0.56	1.64	-0.7	6	98.7	0.13	0.13	0.00	2.00	13.1	26.3	2.73	0.11
2.95	29.8	0.72	2.42	-0.8	6	98.7	0.14	0.14	0.00	2.00	11.4	22.8	2.37	0.11
3.12	30.0	0.77	2.58	-0.8	6	98.7	0.15	0.15	0.00	2.00	11.5	23.0	2.38	0.12
3.28	27.0	0.58	2.16	-1.1	6	98.7	0.16	0.16	0.00	2.00	10.3	20.6	2.14	0.11
3.44	20.0	0.39	1.95	-3.5	6	98.7	0.16	0.16	0.00	2.00	7.7	15.4	1.59	0.09
3.61	14.9	0.24	1.61	-1.0	6	98.7	0.17	0.17	0.00	2.00	5.7	11.4	1.18	0.09
3.77	13.2	0.17	1.30	-1.6	6	98.7	0.18	0.18	0.00	2.00	5.0	10.1	1.04	0.08
3.94	13.3	0.11	0.83	-0.7	6	98.7	0.19	0.19	0.00	2.00	5.1	10.2	1.05	0.08
4.10	18.1	0.07	0.39	-0.9	6	98.7	0.20	0.20	0.00	2.00	6.9	13.9	1.44	0.08
4.27	19.0	0.11	0.58	-0.8	6	98.7	0.20	0.20	0.00	2.00	7.3	14.6	1.51	0.09
4.43	18.0	0.13	0.72	-0.8	6	98.7	0.21	0.21	0.00	2.00	6.9	13.8	1.42	0.09
4.59	17.2	0.13	0.76	-0.8	6	98.7	0.22	0.22	0.00	2.00	6.6	13.2	1.36	0.09
4.76	17.2	0.19	1.10	-0.8	6	98.7	0.23	0.23	0.00	2.00	6.6	13.2	1.36	0.09
4.92	17.9	0.23	1.28	-0.9	6	98.7	0.24	0.24	0.00	2.00	6.9	13.8	1.42	0.09
5.09	18.6	0.29	1.56	-1.0	6	98.7	0.24	0.24	0.00	2.00	7.1	14.2	1.47	0.09
5.25	19.1	0.30	1.58	-0.9	6	98.7	0.25	0.25	0.00	1.99	7.3	14.5	1.51	0.09
5.41	18.6	0.29	1.56	-0.9	6	98.7	0.26	0.26	0.00	1.96	7.1	13.9	1.47	0.09
5.58	17.2	0.34	1.98	-0.9	6	98.7	0.27	0.27	0.00	1.93	6.6	12.7	1.36	0.10
5.74	16.5	0.41	2.49	-0.7	5	85.3	0.28	0.28	0.00	1.90	7.9	15.0	1.30	0.10
5.91	16.9	0.28	1.66	-0.9	6	98.7	0.28	0.28	0.00	1.88	6.5	12.2	1.33	0.09
6.07	16.7	0.19	1.14	-0.9	6	98.7	0.29	0.29	0.00	1.85	6.4	11.9	1.32	0.09
6.23	15.3	0.17	1.11	-1.0	6	98.7	0.30	0.30	0.00	1.82	5.9	10.7	1.20	0.09
.40	15.0	0.25	1.67	-0.9	6	98.7	0.31	0.31	0.00	1.80	5.8	10.4	1.18	0.09
.56	16.7	0.27	1.62	-0.9	6	98.7	0.32	0.32	0.00	1.78	6.4	11.4	1.31	0.09
6.73	18.1	0.29	1.61	-1.0	6	98.7	0.32	0.32	0.00	1.76	6.9	12.1	1.42	0.09
6.89	18.8	0.32	1.71	-1.0	6	98.7	0.33	0.33	0.00	1.73	7.2	12.5	1.48	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4600
CPT File: 315CP20.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.5	0.32	1.64	-0.8	6	98.7	0.34	0.34	0.00	1.71	7.5	12.8	1.54	0.10
7.22	19.2	0.33	1.72	-0.6	6	98.7	0.35	0.35	0.00	1.69	7.4	12.5	1.51	0.10
7.38	20.4	0.34	1.67	-0.9	6	98.7	0.36	0.36	0.00	1.67	7.8	13.1	1.60	0.10
7.55	20.4	0.33	1.62	-0.8	6	98.7	0.37	0.37	0.00	1.66	7.8	13.0	1.61	0.10
7.71	21.6	0.31	1.44	-1.7	6	98.7	0.37	0.37	0.00	1.64	8.3	13.5	1.70	0.10
7.87	20.1	0.27	1.35	-0.8	6	98.7	0.38	0.38	0.00	1.62	7.7	12.5	1.58	0.09
8.04	20.3	0.35	1.73	-1.2	6	98.7	0.39	0.39	0.00	1.60	7.8	12.5	1.59	0.10
8.20	23.4	0.36	1.54	-1.2	6	98.7	0.40	0.40	0.00	1.59	9.0	14.2	1.84	0.10
8.37	20.8	0.32	1.55	-1.0	6	98.7	0.41	0.41	0.00	1.57	8.0	12.5	1.63	0.10
8.53	22.5	0.33	1.47	-0.8	6	98.7	0.41	0.41	0.00	1.55	8.6	13.4	1.77	0.10
8.69	23.4	0.32	1.37	-1.3	6	98.7	0.42	0.42	0.00	1.54	9.0	13.8	1.84	0.10
8.86	25.0	0.37	1.48	-0.9	6	98.7	0.43	0.43	0.00	1.53	9.6	14.6	1.97	0.10
9.02	23.5	0.52	2.22	-1.4	6	98.7	0.44	0.44	0.00	1.51	9.0	13.6	1.84	0.12
9.19	21.6	0.46	2.13	-1.3	6	98.7	0.45	0.45	0.00	1.50	8.3	12.4	1.70	0.11
9.35	23.6	0.43	1.82	-0.8	6	98.7	0.45	0.45	0.00	1.48	9.1	13.4	1.85	0.11
9.51	24.0	0.50	2.09	-0.8	6	98.7	0.46	0.46	0.00	1.47	9.2	13.5	1.88	0.11
9.68	25.4	0.59	2.33	-0.3	6	98.7	0.47	0.47	0.00	1.46	9.7	14.2	2.00	0.12
9.84	26.5	0.58	2.20	1.4	6	98.7	0.48	0.48	0.00	1.45	10.1	14.7	2.08	0.12
10.01	27.6	0.56	2.04	2.9	6	98.7	0.49	0.49	0.00	1.43	10.6	15.1	2.17	0.12
10.17	30.6	0.58	1.90	6.0	6	98.7	0.49	0.49	0.00	1.42	11.7	16.6	2.41	0.12
10.33	30.7	0.60	1.96	-0.3	6	98.7	0.50	0.50	0.00	1.41	11.7	16.6	2.41	0.12
10.50	32.3	0.49	1.52	-0.8	6	98.7	0.51	0.51	0.00	1.40	12.4	17.3	2.55	0.11
10.66	37.2	0.36	0.97	-0.3	7	98.7	0.52	0.52	0.00	1.39	11.9	16.5	UnDef	0.11
10.83	40.5	0.23	0.57	-0.9	7	98.7	0.53	0.53	0.00	1.38	12.9	17.8	UnDef	0.10
10.99	42.2	0.21	0.50	-1.0	7	98.7	0.54	0.54	0.00	1.37	13.5	18.4	UnDef	0.10
11.15	41.1	0.24	0.58	-0.9	7	98.7	0.54	0.54	0.00	1.36	13.1	17.8	UnDef	0.10
11.32	42.8	0.27	0.63	-0.8	7	98.7	0.55	0.55	0.00	1.35	13.7	18.4	UnDef	0.11
11.48	47.6	0.27	0.57	-1.0	8	101.8	0.56	0.56	0.00	1.34	11.4	15.2	UnDef	0.11
11.65	53.3	0.31	0.58	-0.8	8	101.8	0.57	0.57	0.00	1.33	12.8	16.9	UnDef	0.12
.81	57.4	0.37	0.65	-0.8	8	101.8	0.58	0.58	0.00	1.32	13.7	18.1	UnDef	0.13
.97	58.1	0.37	0.64	-1.0	8	101.8	0.58	0.58	0.00	1.31	13.9	18.2	UnDef	0.13
12.14	57.9	0.38	0.66	-0.9	8	101.8	0.59	0.59	0.00	1.30	13.9	18.0	UnDef	0.13
12.30	59.1	0.48	0.81	-1.0	8	101.8	0.60	0.60	0.00	1.29	14.2	18.3	UnDef	0.14
12.47	60.8	0.42	0.69	-0.8	8	101.8	0.61	0.61	0.00	1.28	14.6	18.6	UnDef	0.14
12.63	55.7	0.35	0.63	-0.3	8	101.8	0.62	0.62	0.00	1.27	13.3	17.0	UnDef	0.12
12.80	53.0	0.28	0.53	0.0	8	101.8	0.63	0.63	0.00	1.26	12.7	16.0	UnDef	0.11
12.96	50.5	0.30	0.60	-0.4	8	101.8	0.63	0.63	0.00	1.26	12.1	15.2	UnDef	0.11
13.12	44.6	0.37	0.83	-0.4	7	98.7	0.64	0.64	0.00	1.25	14.3	17.8	UnDef	0.11
13.29	40.8	0.40	0.98	-0.5	7	98.7	0.65	0.65	0.00	1.24	13.0	16.1	UnDef	0.11
13.45	44.3	0.46	1.04	-0.6	7	98.7	0.66	0.66	0.00	1.23	14.2	17.4	UnDef	0.12
13.62	58.2	0.46	0.79	-0.6	8	101.8	0.67	0.67	0.00	1.22	13.9	17.1	UnDef	0.13
13.78	81.6	0.50	0.61	-0.2	8	101.8	0.68	0.68	0.00	1.22	19.5	23.8	UnDef	0.18
13.94	94.0	0.60	0.64	-0.2	8	101.8	0.68	0.68	0.00	1.21	22.5	27.2	UnDef	0.22
14.11	97.1	0.66	0.68	-0.4	8	101.8	0.69	0.69	0.00	1.20	23.2	27.9	UnDef	0.23
14.27	88.9	0.67	0.76	-0.2	8	101.8	0.70	0.70	0.00	1.19	21.3	25.4	UnDef	0.21
14.44	73.7	0.60	0.82	-0.2	8	101.8	0.71	0.71	0.00	1.19	17.6	20.9	UnDef	0.16
14.60	63.2	0.51	0.81	-0.3	8	101.8	0.72	0.72	0.00	1.18	15.1	17.9	UnDef	0.14
14.76	55.1	0.54	0.98	-0.5	7	98.7	0.73	0.73	0.00	1.17	17.6	20.6	UnDef	0.13
14.93	50.3	0.78	1.55	-0.5	7	98.7	0.73	0.73	0.00	1.17	16.1	18.8	UnDef	0.14
15.09	46.0	0.96	2.09	-0.1	6	98.7	0.74	0.74	0.00	1.16	17.6	20.5	3.62	0.16
15.26	49.8	1.14	2.29	2.8	6	98.7	0.75	0.75	0.00	1.15	19.1	22.1	3.93	0.19
15.42	49.9	0.89	1.79	-0.6	7	98.7	0.76	0.76	0.00	1.15	15.9	18.3	UnDef	0.15
15.58	59.2	0.96	1.63	-0.5	7	98.7	0.77	0.77	0.00	1.14	18.9	21.6	UnDef	0.17
15.75	65.7	0.66	1.01	-1.2	8	101.8	0.77	0.77	0.00	1.14	15.7	17.9	UnDef	0.15
15.91	63.2	0.56	0.89	0.0	8	101.8	0.78	0.78	0.00	1.13	15.1	17.1	UnDef	0.14
16.08	55.5	0.51	0.92	0.0	7	98.7	0.79	0.79	0.00	1.12	17.7	19.9	UnDef	0.13
16.24	46.8	0.79	1.69	0.0	7	98.7	0.80	0.80	0.00	1.12	14.9	16.7	UnDef	0.14
16.40	42.4	0.95	2.25	-0.1	6	98.7	0.81	0.81	0.00	1.11	16.2	18.1	3.33	0.17
16.57	41.7	0.89	2.14	0.6	6	98.7	0.82	0.82	0.00	1.11	16.0	17.7	3.27	0.16
16.73	44.2	0.82	1.86	-0.3	7	98.7	0.82	0.82	0.00	1.10	14.1	15.6	UnDef	0.15
16.90	38.1	0.80	2.11	0.3	6	98.7	0.83	0.83	0.00	1.10	14.6	16.0	2.98	0.16
.06	33.8	0.91	2.70	1.5	6	98.7	0.84	0.84	0.00	1.09	12.9	14.1	2.64	0.23
7.22	35.7	0.85	2.39	2.3	6	98.7	0.85	0.85	0.00	1.09	13.7	14.8	2.78	0.18
17.39	36.7	0.72	1.96	2.1	6	98.7	0.86	0.86	0.00	1.08	14.1	15.2	2.87	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4600
CPT File: 315CP20.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	38.7	0.71	1.84	0.4	6	98.7	0.86	0.86	0.00	1.08	14.8	16.0	3.03	0.14
17.72	38.3	0.74	1.94	0.2	6	98.7	0.87	0.87	0.00	1.07	14.7	15.7	2.99	0.15
17.88	34.4	0.74	2.15	1.4	6	98.7	0.88	0.88	0.00	1.07	13.2	14.1	2.68	0.17
18.04	34.5	0.81	2.36	4.5	6	98.7	0.89	0.89	0.00	1.06	13.2	14.0	2.69	0.19
18.21	31.7	0.64	2.02	1.2	6	98.7	0.90	0.90	0.00	1.06	12.1	12.8	2.46	0.16
18.37	34.1	0.68	2.00	5.1	6	98.7	0.90	0.90	0.00	1.05	13.1	13.7	2.65	0.15
18.54	38.6	0.52	1.35	0.1	7	98.7	0.91	0.91	0.00	1.05	12.3	12.9	UnDef	0.12
18.70	43.4	0.48	1.11	-0.1	7	98.7	0.92	0.92	0.00	1.04	13.8	14.4	UnDef	0.11
18.86	46.8	0.61	1.31	0.0	7	98.7	0.93	0.93	0.00	1.04	14.9	15.5	UnDef	0.13
19.03	51.0	0.51	1.00	0.1	7	98.7	0.94	0.94	0.00	1.03	16.3	16.8	UnDef	0.12
19.19	51.9	0.65	1.25	0.0	7	98.7	0.94	0.94	0.00	1.03	16.6	17.1	UnDef	0.13
19.36	54.2	0.62	1.15	-0.1	7	98.7	0.95	0.95	0.00	1.02	17.3	17.7	UnDef	0.13
19.52	51.7	0.67	1.30	-0.1	7	98.7	0.96	0.96	0.00	1.02	16.5	16.9	UnDef	0.13
19.68	51.3	0.58	1.13	0.5	7	98.7	0.97	0.97	0.00	1.02	16.4	16.6	UnDef	0.12
19.85	50.9	0.52	1.02	0.2	7	98.7	0.98	0.98	0.00	1.01	16.3	16.4	UnDef	0.12
20.01	50.0	0.57	1.14	0.5	7	98.7	0.99	0.99	0.00	1.01	16.0	16.1	UnDef	0.12
20.18	51.0	0.67	1.32	0.5	7	98.7	0.99	0.99	0.00	1.00	16.3	16.3	UnDef	0.13
20.34	47.9	0.66	1.38	0.0	7	98.7	1.00	1.00	0.00	1.00	15.3	15.3	UnDef	0.13
20.51	45.7	0.54	1.19	0.1	7	98.7	1.01	1.01	0.00	1.00	14.6	14.5	UnDef	0.12
20.67	43.4	0.46	1.06	0.6	7	98.7	1.02	1.02	0.00	0.99	13.8	13.7	UnDef	0.11
20.83	40.0	0.56	1.40	0.6	7	98.7	1.03	1.03	0.00	0.99	12.8	12.6	UnDef	0.12
21.00	36.6	0.67	1.83	1.2	6	98.7	1.03	1.03	0.00	0.98	14.0	13.8	2.85	0.15
21.16	36.2	0.71	1.96	4.2	6	98.7	1.04	1.04	0.00	0.98	13.9	13.6	2.82	0.17
21.33	36.0	0.66	1.84	11.9	6	98.7	1.05	1.05	0.00	0.98	13.8	13.5	2.80	0.16
21.49	34.7	0.61	1.76	17.8	6	98.7	1.06	1.06	0.00	0.97	13.3	12.9	2.69	0.15
21.65	31.3	0.57	1.82	18.6	6	98.7	1.07	1.07	0.00	0.97	12.0	11.6	2.42	0.17
21.82	30.6	0.46	1.51	22.3	6	98.7	1.07	1.07	0.00	0.96	11.7	11.3	2.37	0.13
21.98	29.9	0.46	1.54	22.9	6	98.7	1.08	1.08	0.00	0.96	11.4	11.0	2.30	0.14
22.15	35.0	1.10	3.15	26.0	5	85.3	1.09	1.09	0.00	0.96	16.8	16.1	2.71	0.00
.31	37.4	0.85	2.28	27.5	6	98.7	1.10	1.10	0.00	0.95	14.3	13.7	2.90	0.24
.47	41.9	0.79	1.89	1.4	6	98.7	1.11	1.11	0.00	0.95	16.1	15.3	3.26	0.17
22.64	35.7	0.66	1.86	1.1	6	98.7	1.11	1.11	0.00	0.95	13.7	12.9	2.76	0.17
22.80	30.4	0.67	2.21	3.9	6	98.7	1.12	1.12	0.00	0.94	11.7	11.0	2.34	0.33
22.97	34.5	0.62	1.80	6.7	6	98.7	1.13	1.13	0.00	0.94	13.2	12.4	2.67	0.17
23.13	38.2	0.67	1.76	8.0	6	98.7	1.14	1.14	0.00	0.94	14.6	13.7	2.96	0.16
23.29	37.8	0.69	1.83	4.5	6	98.7	1.15	1.15	0.00	0.93	14.5	13.5	2.93	0.17
23.46	39.1	0.77	1.97	8.5	6	98.7	1.15	1.15	0.00	0.93	15.0	14.0	3.04	0.19
23.62	36.8	0.70	1.91	1.6	6	98.7	1.16	1.16	0.00	0.93	14.1	13.1	2.85	0.19
23.79	37.4	0.82	2.20	3.1	6	98.7	1.17	1.17	0.00	0.92	14.3	13.2	2.90	0.25
23.95	36.7	0.77	2.10	1.5	6	98.7	1.18	1.18	0.00	0.92	14.0	12.9	2.84	0.23
24.11	34.9	0.82	2.36	4.3	6	98.7	1.19	1.19	0.00	0.92	13.4	12.3	2.70	0.36
24.28	38.5	0.82	2.14	6.3	6	98.7	1.19	1.19	0.00	0.92	14.7	13.5	2.98	0.23
24.44	37.1	0.72	1.94	4.9	6	98.7	1.20	1.20	0.00	0.91	14.2	13.0	2.88	0.20
24.61	39.4	0.67	1.71	5.7	7	98.7	1.21	1.21	0.00	0.91	12.6	11.4	UnDef	0.16
24.77	43.8	0.69	1.58	-0.5	7	98.7	1.22	1.22	0.00	0.91	14.0	12.7	UnDef	0.15
24.93	43.3	0.73	1.69	0.3	7	98.7	1.23	1.23	0.00	0.90	13.8	12.5	UnDef	0.16
25.10	48.2	0.72	1.50	0.6	7	98.7	1.23	1.23	0.00	0.90	15.4	13.9	UnDef	0.15
25.26	58.5	0.65	1.11	0.0	7	98.7	1.24	1.24	0.00	0.90	18.7	16.7	UnDef	0.13
25.43	64.3	0.81	1.26	0.0	7	98.7	1.25	1.25	0.00	0.89	20.5	18.4	UnDef	0.15
25.59	75.4	0.74	0.98	0.0	8	101.8	1.26	1.26	0.00	0.89	18.1	16.1	UnDef	0.15
25.75	78.6	0.73	0.93	0.4	8	101.8	1.27	1.27	0.00	0.89	18.8	16.7	UnDef	0.15
25.92	82.7	0.71	0.86	0.6	8	101.8	1.28	1.28	0.00	0.89	19.8	17.5	UnDef	0.16
26.08	83.8	0.80	0.96	0.4	8	101.8	1.28	1.28	0.00	0.88	20.1	17.7	UnDef	0.16
26.25	82.1	1.02	1.25	0.3	8	101.8	1.29	1.29	0.00	0.88	19.7	17.3	UnDef	0.18
26.41	79.6	1.25	1.57	0.1	7	98.7	1.30	1.30	0.00	0.88	25.4	22.3	UnDef	0.21
26.57	76.8	1.23	1.60	0.0	7	98.7	1.31	1.31	0.00	0.87	24.5	21.4	UnDef	0.20
26.74	69.1	1.15	1.67	0.4	7	98.7	1.32	1.32	0.00	0.87	22.1	19.2	UnDef	0.19
26.90	66.1	1.27	1.93	0.3	7	98.7	1.33	1.33	0.00	0.87	21.1	18.3	UnDef	0.22
27.07	72.4	1.29	1.79	0.0	7	98.7	1.33	1.33	0.00	0.87	23.1	20.0	UnDef	0.21
27.23	98.2	1.39	1.42	0.0	8	101.8	1.34	1.34	0.00	0.86	23.5	20.3	UnDef	0.24
.39	125.5	1.35	1.08	0.5	8	101.8	1.35	1.35	0.00	0.86	30.0	25.9	UnDef	0.28
56	147.1	1.56	1.06	0.5	8	101.8	1.36	1.36	0.00	0.86	35.2	30.2	UnDef	0.36
.72	172.5	2.08	1.20	0.3	8	101.8	1.37	1.37	0.00	0.86	41.3	35.3	UnDef	0.00
27.89	186.3	2.25	1.21	0.2	8	101.8	1.37	1.37	0.00	0.85	44.6	38.0	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4600
CPT File: 315CP20.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	212.6	0.02	0.01	0.4	10	127.3	1.38	1.38	0.00	0.85	33.9	28.8	UnDef	0.00
28.21	220.1	0.02	0.01	0.3	10	127.3	1.39	1.39	0.00	0.85	35.1	29.8	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-4600
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-20
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 09:47
CPT File: 315CP20.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	783.4	0.42	10	9.2	0.0	9.2	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.6
0.33	5.0E-05	0.00	830.5	0.18	10	21.0	0.0	21.0	0.0	50	65.4	10.0	-0.23	0.0	8.4
0.49	5.0E-06	0.00	673.1	1.65	12	26.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.66	5.0E-06	-0.02	545.3	2.78	12	29.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.82	5.0E-06	-0.02	587.6	2.80	12	39.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.98	5.0E-04	0.00	974.2	1.34	9	79.0	0.0	79.0	1.9	50	86.6	1.0	-0.44	0.0	26.3
1.15	5.0E-04	0.00	1000.0	1.10	9	101.3	0.0	101.3	0.9	50	91.2	1.0	-0.42	0.0	33.8
1.31	5.0E-04	0.00	903.6	0.97	10	101.3	0.0	101.3	0.5	50	89.1	1.0	-0.39	0.0	33.8
48	5.0E-04	0.00	714.9	1.26	9	91.3	0.0	91.3	2.3	50	84.2	1.0	-0.40	0.0	30.4
.64	5.0E-04	0.00	611.6	1.12	9	87.6	0.0	87.6	2.0	50	81.4	1.0	-0.37	0.0	29.2
1.80	5.0E-04	0.00	539.4	1.08	9	85.6	0.0	85.6	2.2	50	79.3	1.0	-0.36	0.0	28.5
1.97	5.0E-03	0.00	517.9	0.49	10	90.4	0.0	90.4	0.0	48	79.5	1.0	-0.27	0.0	22.6
2.13	5.0E-04	0.00	497.4	0.75	9	94.7	0.0	94.7	0.8	48	79.6	1.0	-0.31	0.0	31.6
2.30	5.0E-04	0.00	375.3	1.15	9	77.3	0.0	77.3	3.7	48	72.7	1.0	-0.33	0.0	25.8
2.46	5.0E-05	0.00	295.8	1.70	9	65.6	4.4	69.9	7.3	46	66.9	10.0	-0.36	1.1	27.3
2.62	5.0E-05	0.00	250.4	1.49	9	59.5	3.8	63.2	7.2	46	63.1	10.0	-0.32	0.9	24.7
2.79	5.0E-05	0.00	259.7	1.64	9	65.7	5.2	70.9	7.7	46	65.1	10.0	-0.34	1.3	27.5
2.95	5.0E-05	0.00	212.1	2.44	9	57.0	13.6	70.6	12.2	46	60.1	10.0	-0.38	3.1	25.9
3.12	5.0E-05	0.00	201.8	2.59	7	57.4	15.9	73.3	13.1	46	59.5	10.0	-0.39	3.6	26.6
3.28	5.0E-05	0.00	171.9	2.17	9	51.6	13.1	64.7	12.6	44	55.7	10.0	-0.34	3.0	23.6
3.44	5.0E-05	-0.01	121.3	1.97	7	38.4	12.9	51.3	14.4	42	46.5	10.0	-0.28	2.9	18.2
3.61	5.0E-05	0.00	85.9	1.63	7	28.6	11.6	40.2	15.8	42	37.4	10.0	-0.22	2.5	14.0
3.77	5.0E-05	0.00	72.0	1.31	7	25.2	10.0	35.2	15.7	40	33.1	10.0	-0.18	2.2	12.3
3.94	5.0E-05	0.00	69.9	0.84	9	25.6	6.5	32.1	12.6	40	32.9	10.0	-0.14	1.5	11.7
4.10	5.0E-05	0.00	91.4	0.39	9	34.7	0.0	34.7	5.0	42	41.1	10.0	-0.10	0.0	13.9
4.27	5.0E-05	0.00	92.1	0.59	9	36.5	3.3	39.8	8.1	42	41.9	10.0	-0.13	0.8	15.4
4.43	5.0E-05	0.00	83.8	0.73	9	34.5	5.5	40.0	10.1	42	39.7	10.0	-0.14	1.3	15.1
4.59	5.0E-05	0.00	77.2	0.77	9	33.0	6.4	39.5	11.1	40	37.9	10.0	-0.14	1.5	14.7
4.76	5.0E-05	0.00	74.4	1.12	9	33.0	10.6	43.6	14.1	40	37.4	10.0	-0.17	2.4	15.6
4.92	5.0E-05	0.00	74.8	1.30	7	34.4	12.9	47.3	15.2	40	38.1	10.0	-0.18	2.8	16.6
5.09	5.0E-05	0.00	74.9	1.59	7	35.6	16.6	52.2	16.9	40	38.6	10.0	-0.21	3.5	17.8
5.25	5.0E-05	0.00	74.5	1.60	7	36.6	17.3	53.9	17.0	40	38.9	10.0	-0.21	3.7	18.2
5.41	5.0E-05	0.00	70.2	1.59	7	35.6	18.0	53.6	17.6	40	37.7	10.0	-0.20	3.7	17.6
5.58	5.0E-05	0.00	63.1	2.01	7	32.5	24.4	57.0	21.1	40	35.1	10.0	-0.22	4.7	17.4
5.74	5.0E-06	0.00	58.5	2.54	7	30.7	33.4	64.1	24.5	UnDef	UnDef	10.0	UnDef	7.3	22.3
5.91	5.0E-05	0.00	58.6	1.69	7	31.1	21.1	52.2	20.2	40	33.8	10.0	-0.19	4.1	16.3
6.07	5.0E-05	0.00	56.3	1.16	7	30.3	14.7	45.0	17.2	40	33.0	10.0	-0.15	3.0	14.9
6.23	5.0E-05	0.00	50.0	1.13	7	27.4	15.2	42.6	18.4	38	30.1	10.0	-0.13	3.1	13.8
6.40	5.0E-05	0.00	47.7	1.70	7	26.4	23.8	50.3	22.7	38	30.0	6.0	-0.17	4.4	14.7
.56	5.0E-05	0.00	51.9	1.65	7	29.1	22.6	51.7	21.4	38	31.9	10.0	-0.17	4.3	15.7
73	5.0E-05	0.00	54.6	1.64	7	31.0	22.4	53.4	20.7	40	33.7	10.0	-0.18	4.3	16.5
.89	5.0E-05	0.00	55.4	1.74	7	31.9	24.0	55.9	21.1	40	34.5	10.0	-0.18	4.6	17.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4600
CPT File: 315CP20.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	56.3	1.67	7	32.8	23.2	55.9	20.5	40	35.3	10.0	-0.18	4.5	17.3
7.22	5.0E-05	0.00	54.1	1.75	7	31.8	25.0	56.9	21.5	40	34.5	10.0	-0.18	4.7	17.2
7.38	5.0E-05	0.00	56.1	1.70	7	33.4	24.2	57.6	20.8	40	35.8	10.0	-0.18	4.7	17.7
7.55	5.0E-05	0.00	55.0	1.65	7	33.1	23.8	56.9	20.7	40	35.6	10.0	-0.18	4.6	17.6
7.71	5.0E-05	0.00	56.8	1.47	7	34.6	21.0	55.6	19.2	40	36.8	10.0	-0.17	4.2	17.7
7.87	5.0E-05	0.00	51.7	1.37	7	31.9	20.5	52.4	19.7	38	34.5	10.0	-0.15	4.0	16.5
8.04	5.0E-05	0.00	51.2	1.76	7	31.9	27.0	58.9	22.2	38	34.5	10.0	-0.18	5.0	17.5
8.20	5.0E-05	0.00	58.0	1.57	7	36.4	23.2	59.5	19.6	40	38.3	10.0	-0.18	4.6	18.8
8.37	5.0E-05	0.00	50.2	1.58	7	31.9	24.7	56.6	21.3	38	34.5	10.0	-0.16	4.7	17.2
8.53	5.0E-05	0.00	53.3	1.50	7	34.2	23.2	57.4	20.1	40	36.5	10.0	-0.17	4.5	17.9
8.69	5.0E-05	0.00	54.4	1.40	7	35.2	21.6	56.8	19.2	40	37.4	10.0	-0.16	4.3	18.1
8.86	5.0E-05	0.00	57.2	1.51	7	37.4	23.2	60.6	19.4	40	39.1	10.0	-0.17	4.6	19.2
9.02	5.0E-05	0.00	52.7	2.26	7	34.7	37.9	72.6	24.5	38	37.0	10.0	-0.21	6.6	20.2
9.19	5.0E-05	0.00	47.5	2.18	7	31.7	38.0	69.7	25.4	38	34.4	6.0	-0.19	6.4	18.8
9.35	5.0E-05	0.00	51.0	1.86	7	34.3	31.1	65.4	22.8	38	36.6	10.0	-0.18	5.7	19.1
9.51	5.0E-05	0.00	50.9	2.13	7	34.6	36.6	71.2	24.3	38	36.8	10.0	-0.20	6.4	20.0
9.68	5.0E-05	0.00	53.0	2.37	7	36.3	41.5	77.7	25.0	40	38.2	10.0	-0.22	7.1	21.3
9.84	5.0E-05	0.00	54.3	2.24	7	37.4	38.7	76.1	24.0	40	39.1	10.0	-0.21	6.8	21.5
10.01	5.0E-05	0.00	55.6	2.07	7	38.7	35.4	74.0	22.9	40	40.0	10.0	-0.20	6.5	21.6
10.17	5.0E-05	0.01	60.8	1.93	7	42.5	32.1	74.6	21.1	40	42.8	10.0	-0.21	6.1	22.8
10.33	5.0E-05	0.00	60.0	1.99	7	42.3	33.6	75.9	21.6	40	42.6	10.0	-0.21	6.3	22.9
10.50	5.0E-05	0.00	62.3	1.54	7	44.3	25.3	69.6	18.6	40	43.9	10.0	-0.18	5.1	22.4
10.66	5.0E-04	0.00	70.6	0.98	9	50.5	15.1	65.6	13.6	40	47.7	1.0	-0.15	2.8	19.2
10.83	5.0E-04	0.00	75.8	0.58	9	54.6	7.7	62.3	9.6	40	49.9	1.0	-0.11	1.5	19.3
10.99	5.0E-04	0.00	77.8	0.51	9	56.4	6.3	62.7	8.8	40	50.9	1.0	-0.11	1.2	19.6
11.15	5.0E-04	0.00	74.7	0.59	9	54.6	8.3	62.9	9.9	40	49.9	1.0	-0.12	1.6	19.4
11.32	5.0E-04	0.00	76.6	0.64	9	56.4	8.9	65.4	10.1	40	50.9	1.0	-0.12	1.7	20.1
11.48	5.0E-03	0.00	84.1	0.58	9	62.3	7.0	69.2	8.8	42	53.7	1.0	-0.12	1.0	16.3
11.65	5.0E-03	0.00	92.9	0.59	9	69.3	6.2	75.5	8.1	42	56.7	1.0	-0.13	0.9	17.9
.81	5.0E-03	0.00	98.6	0.65	9	74.0	6.9	80.8	8.2	42	58.6	1.0	-0.15	1.0	19.1
1.97	5.0E-03	0.00	98.3	0.65	9	74.3	6.8	81.1	8.1	42	58.8	1.0	-0.15	1.0	19.2
12.14	5.0E-03	0.00	96.6	0.66	9	73.6	7.4	81.0	8.4	42	58.5	1.0	-0.15	1.1	19.1
12.30	5.0E-03	0.00	97.4	0.82	9	74.6	10.4	85.1	9.6	42	58.9	1.0	-0.17	1.5	19.8
12.47	5.0E-03	0.00	98.8	0.70	9	76.2	8.0	84.2	8.5	42	59.5	1.0	-0.15	1.2	19.8
12.63	5.0E-03	0.00	89.1	0.64	9	69.3	7.9	77.3	8.8	42	56.8	1.0	-0.14	1.2	18.1
12.80	5.0E-03	0.00	83.6	0.54	9	65.5	6.7	72.2	8.5	42	55.1	1.0	-0.12	1.0	17.0
12.96	5.0E-03	0.00	78.5	0.60	9	62.0	8.7	70.6	9.6	42	53.6	1.0	-0.12	1.3	16.4
13.12	5.0E-04	0.00	68.4	0.84	9	54.5	14.4	68.9	12.8	40	49.9	1.0	-0.14	2.7	20.5
13.29	5.0E-04	0.00	61.6	1.00	7	49.4	18.3	67.7	15.1	40	47.1	1.0	-0.14	3.3	19.4
13.45	5.0E-04	0.00	66.3	1.06	9	53.4	18.9	72.3	14.8	40	49.3	1.0	-0.15	3.4	20.8
13.62	5.0E-03	0.00	86.2	0.80	9	69.7	11.9	81.6	10.4	42	56.9	1.0	-0.15	1.7	18.8
13.78	5.0E-03	0.00	119.8	0.62	9	97.2	4.1	101.3	6.5	42	66.5	1.0	-0.16	0.6	24.4
13.94	5.0E-03	0.00	136.4	0.64	9	111.2	2.6	113.8	5.9	44	70.3	1.0	-0.18	0.4	27.6
14.11	5.0E-03	0.00	139.2	0.69	9	114.2	3.2	117.4	6.0	44	71.1	1.0	-0.18	0.5	28.4
14.27	5.0E-03	0.00	125.8	0.76	9	103.9	6.7	110.5	7.3	44	68.4	1.0	-0.18	1.0	26.4
14.44	5.0E-03	0.00	102.9	0.82	9	85.6	10.8	96.4	9.2	42	62.8	1.0	-0.17	1.6	22.5
14.60	5.0E-03	0.00	87.1	0.82	9	73.0	12.5	85.5	10.5	42	58.3	1.0	-0.16	1.8	19.7
14.76	5.0E-04	0.00	74.9	1.00	9	63.3	17.6	80.9	13.2	40	54.1	1.0	-0.16	3.3	23.9
14.93	5.0E-04	0.00	67.6	1.58	7	57.5	30.3	87.8	17.9	40	51.4	1.0	-0.19	5.2	23.9
15.09	5.0E-05	0.00	61.0	2.13	7	52.3	43.8	96.0	22.1	40	48.7	10.0	-0.22	8.2	28.6
15.26	5.0E-05	0.00	65.5	2.33	7	56.3	48.0	104.3	22.2	40	50.8	10.0	-0.24	8.9	31.0
15.42	5.0E-04	0.00	64.9	1.81	7	56.1	36.3	92.5	19.7	40	50.7	1.0	-0.21	6.0	24.3
15.58	5.0E-04	0.00	76.3	1.65	7	66.2	31.5	97.7	17.1	40	55.5	1.0	-0.21	5.5	27.1
15.75	5.0E-03	0.00	83.8	1.02	9	73.0	17.6	90.7	12.3	42	58.3	1.0	-0.17	2.5	20.3
15.91	5.0E-03	0.00	79.8	0.90	9	70.0	15.7	85.6	11.9	42	57.0	1.0	-0.16	2.2	19.3
16.08	5.0E-04	0.00	69.2	0.93	9	61.1	17.8	78.9	13.5	40	53.1	1.0	-0.15	3.3	23.2
16.24	5.0E-04	0.00	57.6	1.72	7	51.3	36.4	87.7	20.6	40	48.1	1.0	-0.19	5.9	22.6
16.40	5.0E-05	0.00	51.5	2.29	7	46.2	52.6	98.8	24.9	38	45.1	10.0	-0.21	9.0	27.1
16.57	5.0E-05	0.00	50.2	2.18	7	45.2	50.4	95.6	24.7	38	44.5	10.0	-0.20	8.7	26.4
16.73	5.0E-04	0.00	52.7	1.89	7	47.7	42.2	89.9	22.6	38	46.0	1.0	-0.19	6.5	22.0
.90	5.0E-05	0.00	44.8	2.15	7	40.9	52.6	93.4	26.1	38	41.6	6.0	-0.19	8.7	24.7
06	5.0E-05	0.00	39.3	2.77	6	36.1	81.6	117.7	31.0	38	38.1	6.0	-0.20	10.8	25.0
.22	5.0E-05	0.00	41.1	2.45	7	37.9	65.9	103.8	28.8	38	39.5	6.0	-0.19	9.8	24.6
17.39	5.0E-05	0.00	41.9	2.01	7	38.9	50.6	89.5	26.2	38	40.2	6.0	-0.17	8.3	23.5

ConeTec Inc. - CPT Interpretation
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Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	43.8	1.88	7	40.8	46.0	86.8	24.9	38	41.6	6.0	-0.17	7.9	23.9
17.72	5.0E-05	0.00	42.9	1.98	7	40.1	49.7	89.8	25.7	38	41.1	6.0	-0.17	8.3	24.0
17.88	5.0E-05	0.00	38.1	2.21	7	35.9	61.2	97.2	28.6	38	37.9	6.0	-0.17	9.2	23.2
18.04	5.0E-05	0.00	37.8	2.42	7	35.8	70.3	106.1	29.8	38	37.8	6.0	-0.18	9.9	23.9
18.21	5.0E-05	0.00	34.4	2.08	7	32.8	61.4	94.1	29.4	36	35.3	6.0	-0.15	8.8	21.7
18.37	5.0E-05	0.00	36.7	2.05	7	35.1	57.8	92.8	28.3	38	37.2	6.0	-0.16	8.7	22.5
18.54	5.0E-04	0.00	41.4	1.38	7	39.6	34.7	74.3	22.5	38	40.7	1.0	-0.13	5.3	18.2
18.70	5.0E-04	0.00	46.1	1.13	7	44.2	27.5	71.7	19.3	38	43.9	1.0	-0.12	4.5	19.0
18.86	5.0E-04	0.00	49.4	1.33	7	47.6	31.5	79.1	19.9	38	46.0	1.0	-0.15	5.2	20.7
19.03	5.0E-04	0.00	53.5	1.02	7	51.6	23.7	75.3	16.8	40	48.3	1.0	-0.13	4.1	21.0
19.19	5.0E-04	0.00	54.0	1.28	7	52.3	29.6	81.9	18.5	40	48.7	1.0	-0.15	5.0	22.0
19.36	5.0E-04	0.00	55.9	1.17	7	54.4	26.8	81.2	17.4	40	49.8	1.0	-0.15	4.6	22.4
19.52	5.0E-04	0.00	52.9	1.32	7	51.7	31.1	82.8	19.1	40	48.3	1.0	-0.15	5.2	22.0
19.68	5.0E-04	0.00	51.9	1.16	7	51.0	27.5	78.5	18.1	38	48.0	1.0	-0.14	4.7	21.3
19.85	5.0E-04	0.00	51.1	1.04	7	50.4	25.2	75.6	17.5	38	47.6	1.0	-0.13	4.3	20.8
20.01	5.0E-04	0.00	49.8	1.17	7	49.3	28.4	77.7	18.7	38	47.0	1.0	-0.13	4.8	20.9
20.18	5.0E-04	0.00	50.3	1.34	7	50.1	32.7	82.7	19.8	38	47.4	1.0	-0.15	5.4	21.7
20.34	5.0E-04	0.00	46.8	1.41	7	46.9	35.4	82.2	21.1	38	45.5	1.0	-0.15	5.6	20.9
20.51	5.0E-04	0.00	44.2	1.21	7	44.5	31.2	75.7	20.4	38	44.1	1.0	-0.13	5.0	19.6
20.67	5.0E-04	0.00	41.6	1.09	7	42.1	28.9	71.0	20.3	38	42.5	1.0	-0.11	4.7	18.4
20.83	5.0E-04	0.00	38.0	1.44	7	38.6	39.9	78.5	24.0	38	40.0	1.0	-0.13	5.9	18.5
21.00	5.0E-05	0.00	34.4	1.89	7	35.2	57.7	93.0	28.3	36	37.4	6.0	-0.14	8.8	22.6
21.16	5.0E-05	0.00	33.8	2.02	7	34.7	64.4	99.1	29.3	36	37.0	6.0	-0.15	9.3	22.9
21.33	5.0E-05	0.01	33.3	1.89	7	34.4	59.7	94.1	28.8	36	36.7	6.0	-0.14	8.9	22.3
21.49	5.0E-05	0.02	31.8	1.82	7	33.0	58.9	91.9	29.0	36	35.5	6.0	-0.13	8.6	21.6
21.65	5.0E-05	0.02	28.4	1.89	7	29.7	69.0	98.7	31.2	36	32.5	6.0	-0.12	9.0	20.7
21.82	5.0E-05	0.02	27.5	1.56	7	28.9	54.8	83.8	29.5	36	31.7	6.0	-0.10	7.9	19.2
21.98	5.0E-05	0.02	26.6	1.60	7	28.1	58.8	86.9	30.3	36	30.9	6.0	-0.10	8.1	19.1
22.15	5.0E-06	0.02	31.1	3.25	6	32.8	131.2	164.0	36.8	UnDef	UnDef	6.0	UnDef	16.1	32.1
31	5.0E-05	0.02	33.1	2.35	6	34.9	84.0	118.9	31.5	36	37.1	6.0	-0.16	10.8	24.5
22.47	5.0E-05	0.00	36.9	1.94	7	39.0	59.1	98.1	27.6	38	40.3	6.0	-0.15	9.2	24.5
22.64	5.0E-05	0.00	31.0	1.92	7	33.1	66.2	99.3	30.0	36	35.6	6.0	-0.13	9.3	22.2
22.80	5.0E-05	0.00	26.1	2.29	6	28.1	111.4	139.5	34.9	34	30.9	6.0	-0.13	11.0	22.0
22.97	5.0E-05	0.01	29.6	1.86	7	31.8	66.9	98.6	30.4	36	34.4	6.0	-0.12	9.2	21.6
23.13	5.0E-05	0.01	32.5	1.81	7	35.0	59.9	94.9	28.6	36	37.2	6.0	-0.13	8.9	22.6
23.29	5.0E-05	0.00	32.0	1.89	7	34.5	64.2	98.8	29.4	36	36.8	6.0	-0.13	9.3	22.8
23.46	5.0E-05	0.01	32.9	2.03	7	35.7	69.6	105.3	29.8	36	37.7	6.0	-0.14	9.8	23.8
23.62	5.0E-05	0.00	30.7	1.97	7	33.4	71.0	104.4	30.5	36	35.9	6.0	-0.13	9.7	22.8
23.79	5.0E-05	0.00	30.9	2.27	6	33.8	87.9	121.7	32.0	36	36.2	6.0	-0.15	10.9	24.1
23.95	5.0E-05	0.00	30.1	2.17	6	33.1	84.7	117.8	31.9	36	35.6	6.0	-0.14	10.6	23.5
24.11	5.0E-05	0.00	28.4	2.44	6	31.4	113.0	144.4	34.3	36	34.0	6.0	-0.15	11.8	24.0
24.28	5.0E-05	0.01	31.2	2.20	6	34.5	83.9	118.4	31.6	36	36.7	6.0	-0.15	10.7	24.2
24.44	5.0E-05	0.00	29.9	2.01	7	33.1	76.2	109.4	31.1	36	35.6	6.0	-0.13	10.0	23.0
24.61	5.0E-04	0.00	31.5	1.76	7	35.0	60.8	95.9	28.8	36	37.2	1.0	-0.13	7.5	18.9
24.77	5.0E-04	0.00	35.0	1.62	7	38.8	51.7	90.6	26.4	38	40.2	1.0	-0.13	7.0	19.7
24.93	5.0E-04	0.00	34.3	1.74	7	38.3	56.9	95.2	27.4	36	39.7	1.0	-0.13	7.5	19.9
25.10	5.0E-04	0.00	38.1	1.54	7	42.5	46.8	89.3	24.6	38	42.7	1.0	-0.13	6.8	20.6
25.26	5.0E-04	0.00	46.0	1.14	7	51.3	32.1	83.4	19.4	38	48.1	1.0	-0.13	5.3	22.0
25.43	5.0E-04	0.00	50.4	1.29	7	56.3	35.1	91.4	19.4	38	50.8	1.0	-0.14	5.8	24.2
25.59	5.0E-03	0.00	58.9	1.00	7	65.8	25.9	91.7	15.6	40	55.3	1.0	-0.14	3.5	19.6
25.75	5.0E-03	0.00	61.0	0.95	9	68.4	24.2	92.6	14.8	40	56.4	1.0	-0.14	3.3	20.0
25.92	5.0E-03	0.00	63.8	0.87	9	71.7	21.9	93.6	13.8	40	57.7	1.0	-0.13	3.0	20.5
26.08	5.0E-03	0.00	64.2	0.97	9	72.3	24.5	96.8	14.5	40	58.0	1.0	-0.14	3.3	21.0
26.25	5.0E-03	0.00	62.5	1.27	7	70.7	32.6	103.3	16.8	40	57.3	1.0	-0.16	4.3	21.5
26.41	5.0E-04	0.00	60.2	1.60	7	68.3	42.4	110.7	19.3	40	56.3	1.0	-0.18	7.0	29.3
26.57	5.0E-04	0.00	57.7	1.63	7	65.7	44.0	109.7	20.0	40	55.2	1.0	-0.18	7.2	28.6
26.74	5.0E-04	0.00	51.5	1.70	7	58.9	47.8	106.7	21.8	38	52.1	1.0	-0.17	7.5	26.7
26.90	5.0E-04	0.00	48.8	1.97	7	56.1	57.4	113.6	23.9	38	50.7	1.0	-0.18	8.5	26.8
27.07	5.0E-04	0.00	53.3	1.82	7	61.3	51.2	112.6	22.0	40	53.3	1.0	-0.19	8.0	28.0
27.23	5.0E-03	0.00	72.2	1.44	7	83.0	36.4	119.4	16.4	40	61.9	1.0	-0.19	4.8	25.1
39	5.0E-03	0.00	91.9	1.09	9	105.7	24.1	129.8	12.0	42	68.9	1.0	-0.19	3.4	29.3
56	5.0E-03	0.00	107.3	1.07	9	123.5	21.5	145.0	10.6	42	73.3	1.0	-0.20	3.1	33.3
27.72	5.0E-03	0.00	125.2	1.21	9	144.4	23.4	167.8	10.2	44	77.8	1.0	-0.23	3.4	38.7
27.89	5.0E-03	0.00	134.5	1.21	9	155.5	22.3	177.8	9.7	44	79.9	1.0	-0.23	3.2	41.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4600
CPT File: 315CP20.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E+00	0.00	152.6	0.01	10	176.8	0.0	176.8	3.1	44	83.6	1.0	0.16	0.0	28.8
28.21	5.0E+00	0.00	156.8	0.01	10	182.4	0.0	182.4	3.0	44	84.5	1.0	0.16	0.0	29.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4638
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-21
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 08:18
CPT File: 315CP21.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	6.5	0.02	0.31	-1.8	1	74.5	0.01	0.01	0.00	2.00	3.1	6.2	0.52	0.00
0.33	6.9	0.05	0.73	-2.1	1	74.5	0.01	0.01	0.00	2.00	3.3	6.6	0.55	0.00
0.49	8.4	0.02	0.24	-2.0	1	74.5	0.02	0.02	0.00	2.00	4.0	8.0	0.67	0.00
0.66	10.8	0.02	0.19	-1.9	6	98.7	0.03	0.03	0.00	2.00	4.1	8.3	0.86	0.00
0.82	12.2	0.06	0.49	-1.8	6	98.7	0.03	0.03	0.00	2.00	4.7	9.4	0.97	0.00
0.98	10.3	0.15	1.46	-1.8	5	85.3	0.04	0.04	0.00	2.00	4.9	9.9	0.82	0.00
1.15	7.7	0.22	2.88	-1.7	4	79.6	0.05	0.05	0.00	2.00	4.9	9.8	0.61	0.00
31	7.9	0.21	2.68	-1.8	4	79.6	0.05	0.05	0.00	2.00	5.0	10.0	0.62	0.00
.48	8.4	0.13	1.56	-3.3	5	85.3	0.06	0.06	0.00	2.00	4.0	8.0	0.66	0.00
1.64	7.2	0.05	0.70	-2.7	1	74.5	0.07	0.07	0.00	2.00	3.4	6.9	0.57	0.00
1.80	4.0	0.02	0.50	-2.0	1	74.5	0.07	0.07	0.00	2.00	1.9	3.9	0.32	0.00
1.97	4.1	0.02	0.49	-2.0	1	74.5	0.08	0.08	0.00	2.00	2.0	3.9	0.32	0.00
2.13	4.2	0.02	0.48	-1.7	1	74.5	0.09	0.09	0.00	2.00	2.0	4.0	0.33	0.00
2.30	5.1	0.02	0.40	-1.7	1	74.5	0.09	0.09	0.00	2.00	2.4	4.8	0.40	0.00
2.46	16.3	0.07	0.43	-1.6	6	98.7	0.10	0.10	0.00	2.00	6.2	12.5	1.30	0.08
2.62	27.2	0.16	0.59	-1.5	7	98.7	0.11	0.11	0.00	2.00	8.7	17.4	UnDef	0.09
2.79	24.8	0.21	0.85	-1.6	7	98.7	0.12	0.12	0.00	2.00	7.9	15.8	UnDef	0.09
2.95	19.8	0.29	1.47	-1.5	6	98.7	0.12	0.12	0.00	2.00	7.6	15.2	1.58	0.09
3.12	17.1	0.41	2.41	-1.6	5	85.3	0.13	0.13	0.00	2.00	8.2	16.3	1.35	0.09
3.28	18.2	0.46	2.53	-1.7	5	85.3	0.14	0.14	0.00	2.00	8.7	17.4	1.45	0.09
3.44	15.2	0.40	2.64	-1.3	5	85.3	0.15	0.15	0.00	2.00	7.3	14.6	1.21	0.09
3.61	15.4	0.38	2.47	-2.9	5	85.3	0.15	0.15	0.00	2.00	7.4	14.7	1.22	0.09
3.77	16.9	0.37	2.19	-3.8	5	85.3	0.16	0.16	0.00	2.00	8.1	16.2	1.34	0.09
3.94	15.1	0.36	2.38	-2.5	5	85.3	0.17	0.17	0.00	2.00	7.3	14.5	1.20	0.09
4.10	14.0	0.30	2.14	-3.1	5	85.3	0.17	0.17	0.00	2.00	6.7	13.5	1.11	0.09
4.27	13.0	0.24	1.86	-3.1	5	85.3	0.18	0.18	0.00	2.00	6.2	12.4	1.02	0.09
4.43	14.4	0.21	1.47	-5.0	6	98.7	0.19	0.19	0.00	2.00	5.5	11.0	1.13	0.09
4.59	13.2	0.22	1.68	-2.9	5	85.3	0.20	0.20	0.00	2.00	6.3	12.6	1.04	0.09
4.76	13.0	0.18	1.39	-2.1	6	98.7	0.20	0.20	0.00	2.00	5.0	9.9	1.02	0.08
4.92	13.9	0.22	1.58	-1.8	6	98.7	0.21	0.21	0.00	2.00	5.3	10.7	1.10	0.09
5.09	15.9	0.27	1.71	-1.7	6	98.7	0.22	0.22	0.00	2.00	6.1	12.1	1.25	0.09
5.25	13.3	0.28	2.11	-1.7	5	85.3	0.23	0.23	0.00	2.00	6.4	12.7	1.05	0.09
5.41	11.8	0.23	1.96	-1.6	5	85.3	0.23	0.23	0.00	2.00	5.6	11.3	0.92	0.09
5.58	11.7	0.25	2.14	-1.7	5	85.3	0.24	0.24	0.00	2.00	5.6	11.2	0.92	0.09
5.74	13.0	0.27	2.09	-1.6	5	85.3	0.25	0.25	0.00	2.00	6.2	12.4	1.02	0.09
5.91	13.3	0.39	2.94	-1.6	5	85.3	0.25	0.25	0.00	1.98	6.4	12.6	1.04	0.11
6.07	13.4	0.38	2.84	-1.7	5	85.3	0.26	0.26	0.00	1.96	6.4	12.6	1.05	0.11
6.23	13.4	0.40	3.00	-1.6	5	85.3	0.27	0.27	0.00	1.93	6.4	12.3	1.05	0.11
.40	14.1	0.42	2.98	-1.8	5	85.3	0.28	0.28	0.00	1.91	6.8	12.9	1.11	0.11
56	16.2	0.43	2.66	-1.7	5	85.3	0.28	0.28	0.00	1.88	7.8	14.6	1.28	0.11
.73	17.1	0.43	2.52	-1.0	5	85.3	0.29	0.29	0.00	1.86	8.2	15.2	1.35	0.11
6.89	17.0	0.44	2.60	4.3	5	85.3	0.30	0.30	0.00	1.84	8.1	14.9	1.33	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4638
CPT File: 315CP21.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	17.3	0.39	2.26	7.8	5	85.3	0.30	0.30	0.00	1.82	8.3	15.0	1.36	0.10
7.22	15.2	0.33	2.17	4.2	5	85.3	0.31	0.31	0.00	1.80	7.3	13.1	1.19	0.10
7.38	15.1	0.31	2.05	10.3	5	85.3	0.32	0.32	0.00	1.78	7.2	12.9	1.19	0.10
7.55	16.7	0.35	2.10	11.5	5	85.3	0.32	0.32	0.00	1.76	8.0	14.1	1.31	0.10
7.71	19.6	0.39	2.00	12.0	6	98.7	0.33	0.33	0.00	1.74	7.5	13.0	1.54	0.10
7.87	18.5	0.42	2.28	8.8	5	85.3	0.34	0.34	0.00	1.72	8.8	15.2	1.45	0.11
8.04	18.7	0.43	2.31	10.7	5	85.3	0.35	0.35	0.00	1.70	8.9	15.2	1.46	0.11
8.20	18.5	0.42	2.27	8.7	5	85.3	0.35	0.35	0.00	1.68	8.9	14.9	1.45	0.11
8.37	18.6	0.42	2.26	8.8	5	85.3	0.36	0.36	0.00	1.67	8.9	14.9	1.46	0.11
8.53	18.2	0.37	2.04	10.9	6	98.7	0.37	0.37	0.00	1.65	7.0	11.5	1.43	0.10
8.69	16.9	0.39	2.31	11.0	5	85.3	0.38	0.38	0.00	1.63	8.1	13.2	1.32	0.11
8.86	17.5	0.36	2.06	10.2	5	85.3	0.38	0.38	0.00	1.62	8.4	13.6	1.37	0.10
9.02	17.2	0.36	2.09	6.5	5	85.3	0.39	0.39	0.00	1.60	8.3	13.2	1.35	0.10
9.19	17.2	0.57	3.33	6.5	4	79.6	0.40	0.40	0.00	1.59	11.0	17.4	1.34	0.18
9.35	17.3	0.54	3.12	5.0	5	85.3	0.40	0.40	0.00	1.58	8.3	13.1	1.36	0.16
9.51	18.0	0.51	2.84	1.5	5	85.3	0.41	0.41	0.00	1.56	8.6	13.4	1.40	0.14
9.68	15.6	0.49	3.15	0.6	5	85.3	0.42	0.42	0.00	1.55	7.5	11.6	1.21	0.19
9.84	15.5	0.40	2.59	-0.1	5	85.3	0.42	0.42	0.00	1.54	7.4	11.4	1.20	0.13
10.01	13.9	0.40	2.88	-0.2	5	85.3	0.43	0.43	0.00	1.52	6.7	10.2	1.08	0.18
10.17	16.9	0.41	2.43	-0.1	5	85.3	0.44	0.44	0.00	1.51	8.1	12.2	1.32	0.12
10.33	18.6	0.48	2.59	0.3	5	85.3	0.44	0.44	0.00	1.50	8.9	13.4	1.45	0.13
10.50	20.5	0.51	2.49	2.1	5	85.3	0.45	0.45	0.00	1.49	9.8	14.6	1.61	0.12
10.66	24.7	0.41	1.66	3.8	6	98.7	0.46	0.46	0.00	1.48	9.5	14.0	1.94	0.10
10.83	31.9	0.34	1.07	4.4	7	98.7	0.47	0.47	0.00	1.46	10.2	14.9	UnDef	0.10
10.99	38.0	0.25	0.66	0.6	7	98.7	0.48	0.48	0.00	1.45	12.1	17.6	UnDef	0.10
11.15	41.9	0.23	0.55	-0.1	7	98.7	0.48	0.48	0.00	1.44	13.4	19.2	UnDef	0.11
11.32	49.0	0.26	0.53	-0.3	8	101.8	0.49	0.49	0.00	1.43	11.7	16.7	UnDef	0.12
11.48	52.2	0.29	0.56	-0.5	8	101.8	0.50	0.50	0.00	1.41	12.5	17.7	UnDef	0.12
11.65	47.3	0.32	0.68	-0.8	7	98.7	0.51	0.51	0.00	1.40	15.1	21.2	UnDef	0.12
.81	44.4	0.35	0.79	-0.8	7	98.7	0.52	0.52	0.00	1.39	14.2	19.7	UnDef	0.11
.97	42.9	0.34	0.80	-0.8	7	98.7	0.52	0.52	0.00	1.38	13.7	18.9	UnDef	0.11
12.14	41.7	0.37	0.89	-0.8	7	98.7	0.53	0.53	0.00	1.37	13.3	18.2	UnDef	0.11
12.30	40.9	0.37	0.91	-0.9	7	98.7	0.54	0.54	0.00	1.36	13.1	17.8	UnDef	0.11
12.47	39.5	0.45	1.14	-0.8	7	98.7	0.55	0.55	0.00	1.35	12.6	17.0	UnDef	0.11
12.63	37.2	0.38	1.02	-1.0	7	98.7	0.56	0.56	0.00	1.34	11.9	15.9	UnDef	0.11
12.80	33.2	0.48	1.45	0.0	6	98.7	0.57	0.57	0.00	1.33	12.7	16.9	2.61	0.11
12.96	30.3	0.54	1.79	-0.3	6	98.7	0.57	0.57	0.00	1.32	11.6	15.3	2.38	0.12
13.12	26.4	0.62	2.35	0.7	6	98.7	0.58	0.58	0.00	1.31	10.1	13.3	2.07	0.14
13.29	27.2	0.67	2.47	3.1	6	98.7	0.59	0.59	0.00	1.30	10.4	13.6	2.13	0.15
13.45	30.1	0.55	1.83	0.6	6	98.7	0.60	0.60	0.00	1.29	11.5	14.9	2.36	0.12
13.62	40.4	0.44	1.09	2.9	7	98.7	0.61	0.61	0.00	1.29	12.9	16.6	UnDef	0.11
13.78	45.0	0.35	0.78	0.0	7	98.7	0.61	0.61	0.00	1.28	14.4	18.3	UnDef	0.11
13.94	58.3	0.35	0.60	-0.1	8	101.8	0.62	0.62	0.00	1.27	14.0	17.7	UnDef	0.13
14.11	66.2	0.43	0.65	0.0	8	101.8	0.63	0.63	0.00	1.26	15.8	20.0	UnDef	0.14
14.27	65.8	0.46	0.70	-0.1	8	101.8	0.64	0.64	0.00	1.25	15.8	19.7	UnDef	0.14
14.44	63.3	0.44	0.70	0.0	8	101.8	0.65	0.65	0.00	1.24	15.2	18.8	UnDef	0.14
14.60	59.6	0.40	0.67	0.0	8	101.8	0.66	0.66	0.00	1.24	14.3	17.6	UnDef	0.13
14.76	53.5	0.35	0.66	0.0	8	101.8	0.66	0.66	0.00	1.23	12.8	15.7	UnDef	0.12
14.93	51.1	0.30	0.59	0.0	8	101.8	0.67	0.67	0.00	1.22	12.2	14.9	UnDef	0.11
15.09	43.9	0.30	0.69	0.0	7	98.7	0.68	0.68	0.00	1.21	14.0	17.0	UnDef	0.11
15.26	38.9	0.49	1.26	0.0	7	98.7	0.69	0.69	0.00	1.21	12.4	15.0	UnDef	0.11
15.42	36.4	0.64	1.76	-0.1	6	98.7	0.70	0.70	0.00	1.20	14.0	16.7	2.86	0.13
15.58	39.7	0.65	1.64	-0.2	7	98.7	0.70	0.70	0.00	1.19	12.7	15.1	UnDef	0.13
15.75	49.8	0.71	1.43	0.1	7	98.7	0.71	0.71	0.00	1.18	15.9	18.8	UnDef	0.14
15.91	44.6	0.72	1.62	-0.1	7	98.7	0.72	0.72	0.00	1.18	14.2	16.8	UnDef	0.13
16.08	45.0	1.05	2.34	0.3	6	98.7	0.73	0.73	0.00	1.17	17.2	20.2	3.54	0.18
16.24	51.6	1.04	2.02	0.4	7	98.7	0.74	0.74	0.00	1.16	16.5	19.2	UnDef	0.17
16.40	65.0	0.99	1.53	-0.4	7	98.7	0.75	0.75	0.00	1.16	20.7	24.0	UnDef	0.18
16.57	66.3	0.78	1.18	0.3	7	98.7	0.75	0.75	0.00	1.15	21.2	24.4	UnDef	0.16
16.73	69.6	0.57	0.82	0.5	8	101.8	0.76	0.76	0.00	1.15	16.7	19.1	UnDef	0.15
.90	61.3	0.53	0.87	0.6	8	101.8	0.77	0.77	0.00	1.14	14.7	16.7	UnDef	0.13
06	50.6	0.65	1.29	0.6	7	98.7	0.78	0.78	0.00	1.13	16.2	18.3	UnDef	0.13
.22	41.8	0.88	2.11	0.2	6	98.7	0.79	0.79	0.00	1.13	16.0	18.1	3.28	0.16
17.39	35.4	0.95	2.69	0.6	6	98.7	0.79	0.79	0.00	1.12	13.6	15.2	2.77	0.21

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4638
CPT File: 315CP21.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	35.9	1.00	2.80	1.8	6	98.7	0.80	0.80	0.00	1.12	13.7	15.3	2.80	0.23
17.72	40.8	0.77	1.89	0.4	6	98.7	0.81	0.81	0.00	1.11	15.6	17.4	3.20	0.14
17.88	43.6	0.90	2.07	0.0	6	98.7	0.82	0.82	0.00	1.11	16.7	18.5	3.43	0.16
18.04	41.6	0.92	2.22	0.4	6	98.7	0.83	0.83	0.00	1.10	15.9	17.5	3.26	0.17
18.21	38.3	0.92	2.41	1.4	6	98.7	0.83	0.83	0.00	1.09	14.7	16.1	3.00	0.18
18.37	37.4	0.90	2.41	2.3	6	98.7	0.84	0.84	0.00	1.09	14.3	15.6	2.92	0.19
18.54	31.1	0.80	2.58	1.1	6	98.7	0.85	0.85	0.00	1.08	11.9	12.9	2.42	0.23
18.70	31.4	0.69	2.20	2.4	6	98.7	0.86	0.86	0.00	1.08	12.0	13.0	2.44	0.17
18.86	35.7	0.66	1.85	4.3	6	98.7	0.87	0.87	0.00	1.07	13.7	14.7	2.78	0.14
19.03	37.7	1.03	2.74	0.5	6	98.7	0.88	0.88	0.00	1.07	14.4	15.4	2.95	0.24
19.19	38.9	0.70	1.81	0.5	6	98.7	0.88	0.88	0.00	1.06	14.9	15.8	3.04	0.14
19.36	39.4	0.53	1.35	0.0	7	98.7	0.89	0.89	0.00	1.06	12.6	13.3	UnDef	0.12
19.52	41.9	0.53	1.27	0.5	7	98.7	0.90	0.90	0.00	1.05	13.4	14.1	UnDef	0.12
19.68	41.2	0.65	1.58	0.1	7	98.7	0.91	0.91	0.00	1.05	13.2	13.8	UnDef	0.13
19.85	40.8	0.77	1.89	0.7	6	98.7	0.92	0.92	0.00	1.05	15.6	16.3	3.19	0.15
20.01	42.2	0.80	1.90	0.7	6	98.7	0.92	0.92	0.00	1.04	16.2	16.8	3.31	0.15
20.18	42.6	0.80	1.88	0.0	6	98.7	0.93	0.93	0.00	1.04	16.3	16.9	3.33	0.15
20.34	40.6	0.82	2.02	-0.1	6	98.7	0.94	0.94	0.00	1.03	15.6	16.1	3.18	0.16
20.51	40.7	0.76	1.87	0.5	6	98.7	0.95	0.95	0.00	1.03	15.6	16.0	3.18	0.15
20.67	42.1	0.76	1.81	0.5	7	98.7	0.96	0.96	0.00	1.02	13.4	13.8	UnDef	0.15
20.83	45.4	0.69	1.52	0.4	7	98.7	0.96	0.96	0.00	1.02	14.5	14.8	UnDef	0.13
21.00	44.1	0.54	1.23	0.2	7	98.7	0.97	0.97	0.00	1.01	14.1	14.3	UnDef	0.12
21.16	40.8	0.58	1.43	0.7	7	98.7	0.98	0.98	0.00	1.01	13.0	13.1	UnDef	0.13
21.33	36.9	0.62	1.69	0.8	6	98.7	0.99	0.99	0.00	1.01	14.1	14.2	2.87	0.14
21.49	32.4	0.75	2.32	1.4	6	98.7	1.00	1.00	0.00	1.00	12.4	12.4	2.51	0.24
21.65	31.6	0.75	2.38	5.0	6	98.7	1.00	1.00	0.00	1.00	12.1	12.1	2.45	0.27
21.82	30.3	0.68	2.25	10.0	6	98.7	1.01	1.01	0.00	0.99	11.6	11.5	2.34	0.25
21.98	29.5	0.60	2.04	13.6	6	98.7	1.02	1.02	0.00	0.99	11.3	11.2	2.28	0.21
22.15	27.1	0.56	2.07	15.5	6	98.7	1.03	1.03	0.00	0.99	10.4	10.2	2.09	0.26
22.31	26.5	1.03	3.89	16.3	4	79.6	1.04	1.04	0.00	0.98	16.9	16.6	2.04	0.27
22.47	25.2	0.97	3.86	19.2	4	79.6	1.04	1.04	0.00	0.98	16.1	15.8	1.93	0.24
22.64	33.8	0.84	2.49	17.7	6	98.7	1.05	1.05	0.00	0.98	13.0	12.6	2.62	0.31
22.80	32.5	0.78	2.40	14.8	6	98.7	1.06	1.06	0.00	0.97	12.5	12.1	2.52	0.30
22.97	32.5	0.75	2.31	14.6	6	98.7	1.07	1.07	0.00	0.97	12.5	12.1	2.52	0.28
23.13	25.5	0.57	2.24	6.8	6	98.7	1.07	1.07	0.00	0.96	9.8	9.4	1.95	0.24
23.29	28.3	0.49	1.73	8.7	6	98.7	1.08	1.08	0.00	0.96	10.9	10.4	2.18	0.18
23.46	35.1	0.58	1.66	6.6	6	98.7	1.09	1.09	0.00	0.96	13.4	12.9	2.72	0.15
23.62	31.9	0.67	2.11	2.3	6	98.7	1.10	1.10	0.00	0.95	12.2	11.7	2.46	0.24
23.79	31.8	0.75	2.36	3.6	6	98.7	1.11	1.11	0.00	0.95	12.2	11.6	2.46	0.36
23.95	31.5	0.72	2.29	4.3	6	98.7	1.11	1.11	0.00	0.95	12.1	11.4	2.43	0.34
24.11	37.3	0.80	2.15	5.4	6	98.7	1.12	1.12	0.00	0.94	14.3	13.5	2.89	0.22
24.28	39.8	0.88	2.21	4.7	6	98.7	1.13	1.13	0.00	0.94	15.3	14.4	3.10	0.22
24.44	34.5	0.90	2.61	3.4	6	98.7	1.14	1.14	0.00	0.94	13.2	12.4	2.67	0.45
24.61	33.8	0.89	2.64	5.0	6	98.7	1.15	1.15	0.00	0.93	13.0	12.1	2.61	0.42
24.77	40.2	0.81	2.02	5.8	6	98.7	1.16	1.16	0.00	0.93	15.4	14.3	3.12	0.19
24.93	45.9	0.81	1.77	6.8	7	98.7	1.16	1.16	0.00	0.93	14.7	13.6	UnDef	0.16
25.10	51.3	0.99	1.93	2.2	7	98.7	1.17	1.17	0.00	0.92	16.4	15.1	UnDef	0.18
25.26	47.7	1.18	2.48	1.1	6	98.7	1.18	1.18	0.00	0.92	18.3	16.8	3.72	0.27
25.43	45.2	1.30	2.88	0.6	6	98.7	1.19	1.19	0.00	0.92	17.3	15.9	3.52	0.43
25.59	47.9	1.10	2.30	0.8	6	98.7	1.20	1.20	0.00	0.91	18.3	16.8	3.73	0.24
25.75	57.3	0.77	1.35	1.1	7	98.7	1.20	1.20	0.00	0.91	18.3	16.7	UnDef	0.15
25.92	62.6	0.65	1.04	0.9	7	98.7	1.21	1.21	0.00	0.91	20.0	18.1	UnDef	0.14
26.08	64.4	0.64	1.00	0.7	8	101.8	1.22	1.22	0.00	0.91	15.4	14.0	UnDef	0.14
26.25	66.2	0.88	1.33	0.6	7	98.7	1.23	1.23	0.00	0.90	21.1	19.1	UnDef	0.16
26.41	65.4	0.98	1.50	0.7	7	98.7	1.24	1.24	0.00	0.90	20.9	18.8	UnDef	0.17
26.57	61.9	1.23	1.99	0.9	7	98.7	1.24	1.24	0.00	0.90	19.8	17.7	UnDef	0.21
26.74	59.2	1.22	2.06	1.2	7	98.7	1.25	1.25	0.00	0.89	18.9	16.9	UnDef	0.22
26.90	69.7	1.21	1.74	0.0	7	98.7	1.26	1.26	0.00	0.89	22.3	19.8	UnDef	0.20
27.07	97.3	1.13	1.16	0.6	8	101.8	1.27	1.27	0.00	0.89	23.3	20.7	UnDef	0.21
27.23	112.7	1.07	0.95	1.1	8	101.8	1.28	1.28	0.00	0.88	27.0	23.9	UnDef	0.23
27.39	127.9	1.21	0.95	1.0	8	101.8	1.29	1.29	0.00	0.88	30.6	27.0	UnDef	0.28
27.56	137.3	1.41	1.03	1.0	8	101.8	1.29	1.29	0.00	0.88	32.9	28.9	UnDef	0.33
27.72	145.7	1.57	1.08	0.9	8	101.8	1.30	1.30	0.00	0.88	34.9	30.6	UnDef	0.37
27.89	150.5	1.71	1.14	0.9	8	101.8	1.31	1.31	0.00	0.87	36.0	31.5	UnDef	0.40

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4638
CPT File: 315CP21.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	152.1	1.99	1.31	1.1	8	101.8	1.32	1.32	0.00	0.87	36.4	31.7	UnDef	0.44
28.21	156.5	1.99	1.27	1.0	8	101.8	1.33	1.33	0.00	0.87	37.5	32.5	UnDef	0.46
28.38	153.6	2.03	1.32	1.1	8	101.8	1.34	1.34	0.00	0.87	36.8	31.8	UnDef	0.45
28.54	151.0	1.84	1.22	1.0	8	101.8	1.34	1.34	0.00	0.86	36.2	31.2	UnDef	0.41
28.71	166.0	1.87	1.13	1.0	8	101.8	1.35	1.35	0.00	0.86	39.7	34.2	UnDef	0.00
28.87	166.7	2.23	1.33	0.8	8	101.8	1.36	1.36	0.00	0.86	39.9	34.2	UnDef	0.00
29.04	161.4	1.84	1.14	0.8	8	101.8	1.37	1.37	0.00	0.85	38.7	33.0	UnDef	0.44
29.20	165.7	1.80	1.09	2.2	8	101.8	1.38	1.38	0.00	0.85	39.7	33.8	UnDef	0.45
29.36	223.8	1.74	0.78	2.1	9	101.8	1.39	1.39	0.00	0.85	42.9	36.4	UnDef	0.00
29.53	237.9	0.02	0.01	2.2	10	127.3	1.40	1.40	0.00	0.85	38.0	32.2	UnDef	0.00
29.69	254.0	0.02	0.01	2.1	10	127.3	1.41	1.41	0.00	0.84	40.5	34.2	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Page: 1b

Run No: 99-0525-1349-4638
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-21
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 08:18
CPT File: 315CP21.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	-0.01	1000.0	0.31	10	12.4	0.0	12.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.2
0.33	1.7E-07	-0.01	564.4	0.73	10	13.2	0.0	13.2	0.4	UnDef	UnDef	10.0	UnDef	0.0	6.6
0.49	1.7E-07	-0.01	455.8	0.24	10	16.0	0.0	16.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.0
0.66	5.0E-05	-0.01	423.7	0.19	10	20.7	0.0	20.7	0.0	48	55.5	10.0	-0.17	0.0	8.3
0.82	5.0E-05	0.00	363.3	0.49	10	23.4	0.0	23.4	0.3	48	55.0	10.0	-0.24	0.0	9.4
0.98	5.0E-06	-0.01	249.5	1.47	9	19.7	1.2	20.9	7.2	UnDef	UnDef	10.0	UnDef	0.4	10.2
1.15	5.0E-07	-0.01	159.4	2.89	7	14.7	6.1	20.8	16.0	UnDef	UnDef	10.0	UnDef	2.2	12.0
1.31	5.0E-07	-0.01	143.6	2.70	7	15.1	6.3	21.4	16.1	UnDef	UnDef	10.0	UnDef	2.3	12.3
.48	5.0E-06	-0.01	135.9	1.57	9	16.0	3.4	19.4	11.6	UnDef	UnDef	10.0	UnDef	1.0	9.0
.64	1.7E-07	-0.01	104.7	0.71	9	13.7	1.3	15.0	8.2	UnDef	UnDef	10.0	UnDef	0.4	7.2
1.80	1.7E-07	-0.02	53.6	0.51	9	7.7	1.8	9.5	12.2	UnDef	UnDef	10.0	UnDef	0.5	4.4
1.97	1.7E-07	-0.02	50.2	0.50	9	7.8	0.0	7.8	5.0	UnDef	UnDef	10.0	UnDef	0.0	3.9
2.13	1.7E-07	-0.01	47.4	0.49	9	8.0	0.0	8.0	5.0	UnDef	UnDef	6.0	UnDef	0.0	4.0
2.30	1.7E-07	-0.01	53.9	0.40	9	9.7	0.0	9.7	5.0	UnDef	UnDef	10.0	UnDef	0.0	4.8
2.46	5.0E-05	0.00	163.2	0.43	9	31.2	0.0	31.2	3.1	44	47.8	10.0	-0.16	0.0	12.5
2.62	5.0E-04	0.00	252.7	0.59	9	52.1	0.0	52.1	2.2	46	61.3	1.0	-0.22	0.0	17.4
2.79	5.0E-04	0.00	213.9	0.85	9	47.5	0.0	47.5	4.7	46	57.6	1.0	-0.24	0.0	15.8
2.95	5.0E-05	0.00	159.4	1.48	9	37.9	5.7	43.7	9.9	44	50.2	10.0	-0.27	1.4	16.5
3.12	5.0E-06	0.00	129.2	2.43	7	32.7	13.4	46.1	15.9	UnDef	UnDef	10.0	UnDef	3.6	20.0
3.28	5.0E-06	0.00	131.0	2.55	7	34.9	15.0	49.9	16.3	UnDef	UnDef	10.0	UnDef	4.1	21.5
3.44	5.0E-06	0.00	103.9	2.66	7	29.1	17.1	46.2	18.8	UnDef	UnDef	10.0	UnDef	4.4	18.9
3.61	5.0E-06	-0.01	100.3	2.50	7	29.5	16.6	46.1	18.5	UnDef	UnDef	10.0	UnDef	4.3	19.0
3.77	5.0E-06	-0.01	105.4	2.21	7	32.4	14.9	47.3	16.8	UnDef	UnDef	10.0	UnDef	4.0	20.2
3.94	5.0E-06	-0.01	90.2	2.41	7	29.0	17.6	46.6	19.1	UnDef	UnDef	10.0	UnDef	4.5	19.0
4.10	5.0E-06	-0.01	80.2	2.17	7	26.9	16.5	43.4	19.2	UnDef	UnDef	10.0	UnDef	4.2	17.7
4.27	5.0E-06	-0.01	71.0	1.88	7	24.8	15.0	39.8	19.1	UnDef	UnDef	10.0	UnDef	3.8	16.2
4.43	5.0E-05	-0.01	75.6	1.49	7	27.5	11.8	39.3	16.2	40	35.0	10.0	-0.20	2.5	13.5
4.59	5.0E-06	-0.01	66.5	1.70	7	25.2	14.8	40.0	18.8	UnDef	UnDef	10.0	UnDef	3.8	16.4
4.76	5.0E-05	-0.01	63.0	1.41	7	24.8	12.7	37.6	17.7	40	31.0	10.0	-0.18	2.7	12.6
4.92	5.0E-05	0.00	65.1	1.61	7	26.7	15.1	41.8	18.5	40	32.5	10.0	-0.19	3.1	13.8
5.09	5.0E-05	0.00	71.4	1.73	7	30.4	16.6	46.9	18.2	40	35.6	10.0	-0.21	3.4	15.6
5.25	5.0E-06	0.00	57.7	2.15	7	25.5	23.1	48.6	22.8	UnDef	UnDef	10.0	UnDef	5.4	18.1
5.41	5.0E-06	0.00	49.4	2.00	7	22.5	23.1	45.7	24.0	UnDef	UnDef	6.0	UnDef	5.2	16.5
5.58	5.0E-06	0.00	47.7	2.19	7	22.4	26.9	49.3	25.4	UnDef	UnDef	6.0	UnDef	5.8	17.0
5.74	5.0E-06	0.00	51.5	2.13	7	24.8	26.0	50.8	24.1	UnDef	UnDef	10.0	UnDef	5.8	18.3
5.91	5.0E-06	0.00	51.3	3.00	6	25.5	41.8	67.3	28.3	UnDef	UnDef	10.0	UnDef	8.0	20.7
6.07	5.0E-06	0.00	50.4	2.89	7	25.7	41.2	66.9	28.1	UnDef	UnDef	10.0	UnDef	7.9	20.5
6.23	5.0E-06	0.00	48.8	3.06	6	25.2	46.2	71.5	29.2	UnDef	UnDef	6.0	UnDef	8.4	20.7
6.40	5.0E-06	0.00	50.3	3.04	6	26.3	45.5	71.8	28.7	UnDef	UnDef	10.0	UnDef	8.5	21.3
.56	5.0E-06	0.00	56.5	2.70	7	29.9	37.1	67.0	25.7	UnDef	UnDef	10.0	UnDef	7.7	22.4
73	5.0E-06	0.00	58.2	2.56	7	31.2	34.6	65.8	24.7	UnDef	UnDef	10.0	UnDef	7.5	22.7
.89	5.0E-06	0.01	56.2	2.65	7	30.5	37.0	67.5	25.5	UnDef	UnDef	10.0	UnDef	7.8	22.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4638
CPT File: 315CP21.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.01	56.0	2.30	7	30.7	31.5	62.2	24.0	UnDef	UnDef	10.0	UnDef	7.0	22.0
7.22	5.0E-06	0.01	48.1	2.22	7	26.8	32.2	59.0	25.5	UnDef	UnDef	6.0	UnDef	6.8	19.9
7.38	5.0E-06	0.02	46.7	2.10	7	26.3	30.9	57.2	25.2	UnDef	UnDef	6.0	UnDef	6.6	19.4
7.55	5.0E-06	0.02	50.6	2.14	7	28.8	30.9	59.7	24.4	UnDef	UnDef	10.0	UnDef	6.7	20.8
7.71	5.0E-05	0.02	57.9	2.03	7	33.2	28.2	61.4	22.2	40	35.7	10.0	-0.21	5.2	18.2
7.87	5.0E-06	0.02	53.4	2.32	7	31.0	34.3	65.3	24.7	UnDef	UnDef	10.0	UnDef	7.4	22.6
8.04	5.0E-06	0.02	52.9	2.35	7	31.0	35.3	66.4	24.9	UnDef	UnDef	10.0	UnDef	7.6	22.8
8.20	5.0E-06	0.01	51.4	2.32	7	30.5	35.4	65.9	25.1	UnDef	UnDef	10.0	UnDef	7.5	22.5
8.37	5.0E-06	0.02	50.7	2.30	7	30.4	35.6	66.0	25.2	UnDef	UnDef	10.0	UnDef	7.6	22.5
8.53	5.0E-05	0.02	48.5	2.08	7	29.4	32.4	61.8	24.6	38	32.2	6.0	-0.19	5.6	17.1
8.69	5.0E-06	0.02	44.1	2.36	7	27.0	40.1	67.1	27.4	UnDef	UnDef	6.0	UnDef	7.9	21.1
8.86	5.0E-06	0.02	44.8	2.11	7	27.7	34.8	62.4	25.8	UnDef	UnDef	6.0	UnDef	7.2	20.8
9.02	5.0E-06	0.01	43.2	2.14	7	27.0	36.4	63.4	26.5	UnDef	UnDef	6.0	UnDef	7.4	20.6
9.19	5.0E-07	0.01	42.3	3.41	6	26.7	75.5	102.1	32.7	UnDef	UnDef	6.0	UnDef	15.0	32.4
9.35	5.0E-06	0.01	42.0	3.19	6	26.7	67.9	94.7	31.9	UnDef	UnDef	6.0	UnDef	10.7	23.7
9.51	5.0E-06	0.00	42.8	2.91	6	27.5	57.7	85.2	30.4	UnDef	UnDef	6.0	UnDef	9.9	23.3
9.68	5.0E-06	0.00	36.4	3.23	6	23.6	83.6	107.2	34.2	UnDef	UnDef	6.0	UnDef	11.0	22.6
9.84	5.0E-06	0.00	35.5	2.66	6	23.3	59.8	83.1	32.0	UnDef	UnDef	6.0	UnDef	9.3	20.7
10.01	5.0E-06	0.00	31.4	2.97	6	20.8	83.1	103.9	35.4	UnDef	UnDef	6.0	UnDef	10.2	20.3
10.17	5.0E-06	0.00	37.5	2.50	6	25.0	52.1	77.1	30.3	UnDef	UnDef	6.0	UnDef	9.0	21.2
10.33	5.0E-06	0.00	40.8	2.65	6	27.3	53.8	81.1	29.9	UnDef	UnDef	6.0	UnDef	9.5	22.8
10.50	5.0E-06	0.00	44.4	2.55	7	29.9	48.5	78.4	28.2	UnDef	UnDef	6.0	UnDef	9.2	23.9
10.66	5.0E-05	0.00	52.7	1.70	7	35.6	27.9	63.6	21.5	38	37.7	10.0	-0.18	5.3	19.2
10.83	5.0E-04	0.00	67.2	1.08	9	45.7	16.3	61.9	14.8	40	44.8	1.0	-0.16	2.9	17.8
10.99	5.0E-04	0.00	78.8	0.67	9	53.9	8.5	62.4	10.1	42	49.5	1.0	-0.13	1.6	19.2
11.15	5.0E-04	0.00	85.7	0.56	9	59.0	6.0	65.0	8.5	42	52.1	1.0	-0.12	1.2	20.4
11.32	5.0E-03	0.00	98.6	0.54	9	68.4	4.3	72.6	7.2	42	56.4	1.0	-0.13	0.6	17.4
11.48	5.0E-03	0.00	103.3	0.56	9	72.2	4.2	76.5	7.1	42	57.9	1.0	-0.14	0.6	18.3
11.65	5.0E-04	0.00	92.1	0.68	9	65.0	7.7	72.7	9.0	42	54.9	1.0	-0.15	1.5	22.7
81	5.0E-04	0.00	84.9	0.80	9	60.5	10.5	71.0	10.6	42	52.8	1.0	-0.15	2.0	21.7
.97	5.0E-04	0.00	80.7	0.80	9	57.9	11.1	69.0	11.0	42	51.6	1.0	-0.15	2.1	21.0
12.14	5.0E-04	0.00	77.3	0.90	9	55.9	13.2	69.1	12.2	40	50.6	1.0	-0.15	2.5	20.7
12.30	5.0E-04	0.00	74.6	0.92	9	54.4	13.9	68.3	12.6	40	49.8	1.0	-0.15	2.6	20.3
12.47	5.0E-04	0.00	70.9	1.16	7	52.2	18.5	70.7	14.8	40	48.6	1.0	-0.17	3.3	20.4
12.63	5.0E-04	0.00	65.7	1.04	9	48.8	17.1	65.9	14.7	40	46.7	1.0	-0.15	3.1	19.0
12.80	5.0E-05	0.00	57.8	1.47	7	43.3	25.9	69.2	19.0	40	43.3	10.0	-0.17	5.2	22.1
12.96	5.0E-05	0.00	51.8	1.82	7	39.2	33.9	73.1	22.4	38	40.4	10.0	-0.18	6.3	21.6
13.12	5.0E-05	0.00	44.4	2.41	7	33.9	51.0	84.8	27.5	38	36.3	6.0	-0.20	8.0	21.2
13.29	5.0E-05	0.00	45.1	2.53	7	34.6	54.3	88.9	27.9	38	36.9	6.0	-0.21	8.4	21.9
13.45	5.0E-05	0.00	49.4	1.87	7	38.1	36.2	74.3	23.3	38	39.6	6.0	-0.18	6.5	21.5
13.62	5.0E-04	0.00	65.7	1.11	7	50.8	19.1	69.9	15.2	40	47.9	1.0	-0.16	3.4	20.0
13.78	5.0E-04	0.00	72.3	0.79	9	56.2	12.7	68.9	11.9	40	50.8	1.0	-0.14	2.4	20.7
13.94	5.0E-03	0.00	92.7	0.61	9	72.3	7.0	79.3	8.3	42	58.0	1.0	-0.14	1.0	18.7
14.11	5.0E-03	0.00	104.0	0.66	9	81.6	6.6	88.2	7.8	42	61.4	1.0	-0.15	1.0	20.9
14.27	5.0E-03	0.00	102.0	0.71	9	80.6	7.9	88.5	8.4	42	61.1	1.0	-0.16	1.2	20.9
14.44	5.0E-03	0.00	96.9	0.70	9	77.0	8.5	85.6	8.7	42	59.8	1.0	-0.15	1.3	20.1
14.60	5.0E-03	0.00	90.0	0.68	9	72.1	8.9	81.0	9.1	42	57.9	1.0	-0.14	1.3	18.9
14.76	5.0E-03	0.00	79.6	0.66	9	64.2	9.9	74.2	10.0	42	54.6	1.0	-0.13	1.4	17.2
14.93	5.0E-03	0.00	75.0	0.60	9	61.0	9.2	70.2	9.9	40	53.1	1.0	-0.12	1.3	16.3
15.09	5.0E-04	0.00	63.5	0.70	9	52.1	12.7	64.8	12.3	40	48.6	1.0	-0.11	2.4	19.4
15.26	5.0E-04	0.00	55.4	1.29	7	45.8	25.2	71.0	18.3	40	44.9	1.0	-0.15	4.3	19.2
15.42	5.0E-05	0.00	51.3	1.80	7	42.7	36.9	79.6	22.4	38	42.9	10.0	-0.18	6.8	23.6
15.58	5.0E-04	0.00	55.4	1.67	7	46.3	33.5	79.8	20.7	40	45.2	1.0	-0.18	5.4	20.5
15.75	5.0E-04	0.00	68.9	1.45	7	57.8	27.1	84.9	17.0	40	51.6	1.0	-0.19	4.7	23.6
15.91	5.0E-04	0.00	60.9	1.64	7	51.4	32.4	83.8	19.5	40	48.2	1.0	-0.19	5.3	22.1
16.08	5.0E-05	0.00	60.7	2.38	7	51.6	49.6	101.1	23.4	40	48.3	10.0	-0.23	8.9	29.1
16.24	5.0E-04	0.00	69.1	2.05	7	58.9	40.5	99.3	20.3	40	52.1	1.0	-0.23	6.6	25.8
16.40	5.0E-04	0.00	86.2	1.55	7	73.7	28.0	101.6	15.3	42	58.5	1.0	-0.22	5.0	29.0
16.57	5.0E-04	0.00	87.1	1.19	9	74.8	20.6	95.4	13.1	42	58.9	1.0	-0.19	3.8	28.2
16.73	5.0E-03	0.00	90.4	0.83	9	78.0	12.8	90.8	10.3	42	60.2	1.0	-0.16	1.8	20.9
.90	5.0E-03	0.00	78.7	0.88	9	68.4	15.2	83.6	11.8	42	56.4	1.0	-0.15	2.2	18.9
06	5.0E-04	0.00	64.1	1.31	7	56.2	26.0	82.1	16.8	40	50.7	1.0	-0.17	4.5	22.8
.22	5.0E-05	0.00	52.2	2.15	7	46.1	48.0	94.1	24.1	38	45.1	10.0	-0.20	8.5	26.5
17.39	5.0E-05	0.00	43.6	2.75	6	38.9	72.7	111.6	29.4	38	40.2	6.0	-0.22	10.5	25.7

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP21.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	43.7	2.86	6	39.2	77.3	116.5	29.9	38	40.4	6.0	-0.22	10.9	26.2
17.72	5.0E-05	0.00	49.4	1.93	7	44.4	43.7	88.1	23.6	38	44.0	6.0	-0.18	7.8	25.2
17.88	5.0E-05	0.00	52.3	2.11	7	47.2	47.7	94.9	23.8	38	45.8	10.0	-0.20	8.5	27.0
18.04	5.0E-05	0.00	49.3	2.26	7	44.8	53.4	98.2	25.4	38	44.2	6.0	-0.20	9.0	26.6
18.21	5.0E-05	0.00	44.9	2.46	7	41.0	62.6	103.6	27.6	38	41.7	6.0	-0.20	9.7	25.8
18.37	5.0E-05	0.00	43.4	2.47	7	39.9	64.3	104.2	28.1	38	40.9	6.0	-0.20	9.8	25.4
18.54	5.0E-05	0.00	35.5	2.65	6	33.0	84.3	117.2	31.9	38	35.5	6.0	-0.19	10.5	23.4
18.70	5.0E-05	0.00	35.5	2.27	7	33.1	65.9	99.1	29.9	38	35.6	6.0	-0.17	9.3	22.2
18.86	5.0E-05	0.00	40.1	1.90	7	37.5	48.7	86.2	26.2	38	39.2	6.0	-0.16	8.0	22.7
19.03	5.0E-05	0.00	42.1	2.80	6	39.4	80.5	119.9	30.1	38	40.6	6.0	-0.22	11.2	26.6
19.19	5.0E-05	0.00	43.0	1.85	7	40.5	46.0	86.4	24.9	38	41.3	6.0	-0.16	7.9	23.7
19.36	5.0E-04	0.00	43.2	1.38	7	40.9	33.6	74.5	21.9	38	41.6	1.0	-0.14	5.2	18.6
19.52	5.0E-04	0.00	45.5	1.30	7	43.2	31.1	74.3	20.7	38	43.2	1.0	-0.14	5.0	19.1
19.68	5.0E-04	0.00	44.4	1.62	7	42.3	39.6	82.0	23.1	38	42.6	1.0	-0.15	6.0	19.8
19.85	5.0E-05	0.00	43.5	1.94	7	41.7	49.2	90.9	25.3	38	42.2	6.0	-0.17	8.4	24.7
20.01	5.0E-05	0.00	44.7	1.94	7	43.0	48.9	91.9	24.9	38	43.1	6.0	-0.17	8.4	25.2
20.18	5.0E-05	0.00	44.7	1.93	7	43.2	48.7	91.9	24.9	38	43.2	6.0	-0.17	8.4	25.3
20.34	5.0E-05	0.00	42.2	2.07	7	41.0	54.8	95.8	26.4	38	41.7	6.0	-0.17	8.9	25.0
20.51	5.0E-05	0.00	41.9	1.92	7	40.9	50.3	91.2	25.6	38	41.7	6.0	-0.17	8.4	24.4
20.67	5.0E-04	0.00	43.1	1.85	7	42.2	47.9	90.1	24.9	38	42.5	1.0	-0.16	6.9	20.6
20.83	5.0E-04	0.00	46.1	1.56	7	45.3	38.6	83.9	22.2	38	44.6	1.0	-0.15	6.0	20.7
21.00	5.0E-04	0.00	44.3	1.26	7	43.8	31.6	75.4	20.7	38	43.6	1.0	-0.13	5.1	19.4
21.16	5.0E-04	0.00	40.6	1.46	7	40.3	38.4	78.7	23.3	38	41.2	1.0	-0.13	5.8	18.9
21.33	5.0E-05	0.00	36.3	1.73	7	36.3	49.1	85.4	26.5	38	38.2	6.0	-0.14	8.0	22.2
21.49	5.0E-05	0.00	31.5	2.39	6	31.8	86.9	118.7	32.4	36	34.4	6.0	-0.16	10.5	22.9
21.65	5.0E-05	0.01	30.4	2.46	6	30.8	95.6	126.4	33.3	36	33.6	6.0	-0.16	10.8	22.9
21.82	5.0E-05	0.01	28.9	2.33	6	29.4	93.1	122.6	33.5	36	32.2	6.0	-0.14	10.4	22.0
21.98	5.0E-05	0.01	27.9	2.11	6	28.5	82.6	111.1	32.8	36	31.3	6.0	-0.13	9.7	20.9
22.15	5.0E-05	0.02	25.3	2.15	6	26.2	98.8	124.9	34.6	34	30.0	6.0	-0.12	10.0	20.3
.31	5.0E-07	0.02	24.6	4.05	6	25.5	102.1	127.6	44.2	UnDef	UnDef	6.0	UnDef	16.6	33.3
.47	5.0E-07	0.02	23.2	4.02	6	24.2	96.6	120.8	45.2	UnDef	UnDef	6.0	UnDef	15.8	31.5
22.64	5.0E-05	0.02	31.2	2.57	6	32.3	102.7	135.0	33.5	36	34.9	6.0	-0.16	11.5	24.1
22.80	5.0E-05	0.01	29.8	2.48	6	31.0	103.3	134.2	33.8	36	33.7	6.0	-0.16	11.2	23.4
22.97	5.0E-05	0.01	29.5	2.39	6	30.8	97.3	128.2	33.4	36	33.6	6.0	-0.15	10.9	23.0
23.13	5.0E-05	0.01	22.7	2.34	6	24.1	96.2	120.3	37.6	34	30.0	6.0	-0.12	9.4	18.8
23.29	5.0E-05	0.01	25.2	1.80	6	26.7	74.2	100.9	32.6	34	30.0	6.0	-0.10	8.9	19.3
23.46	5.0E-05	0.01	31.1	1.71	7	32.9	56.3	89.1	28.6	36	35.4	6.0	-0.12	8.4	21.3
23.62	5.0E-05	0.00	28.0	2.18	6	29.8	89.7	119.5	33.1	36	32.6	6.0	-0.14	10.3	22.0
23.79	5.0E-05	0.00	27.8	2.45	6	29.6	114.1	143.7	34.7	36	32.4	6.0	-0.15	11.4	23.0
23.95	5.0E-05	0.00	27.3	2.37	6	29.2	110.8	140.0	34.6	36	32.0	6.0	-0.14	11.2	22.6
24.11	5.0E-05	0.00	32.2	2.22	6	34.4	79.6	114.1	31.1	36	36.7	6.0	-0.15	10.4	23.9
24.28	5.0E-05	0.00	34.2	2.28	7	36.7	78.8	115.4	30.6	36	38.5	6.0	-0.16	10.7	25.0
24.44	5.0E-05	0.00	29.3	2.70	6	31.7	126.6	158.3	35.2	36	34.3	6.0	-0.17	12.4	24.8
24.61	5.0E-05	0.00	28.5	2.73	6	30.9	123.6	154.5	35.8	36	33.6	6.0	-0.16	12.1	24.2
24.77	5.0E-05	0.00	33.8	2.08	7	36.6	70.6	107.2	29.7	36	38.4	6.0	-0.15	10.0	24.3
24.93	5.0E-04	0.00	38.5	1.81	7	41.7	54.6	96.2	26.2	38	42.2	1.0	-0.15	7.5	21.1
25.10	5.0E-04	0.00	42.8	1.98	7	46.4	57.5	103.9	25.7	38	45.3	1.0	-0.17	8.0	23.2
25.26	5.0E-05	0.00	39.4	2.54	6	43.0	84.6	127.6	29.8	38	43.1	6.0	-0.19	11.9	28.7
25.43	5.0E-05	0.00	37.0	2.96	6	40.6	115.7	156.3	32.7	38	41.4	6.0	-0.21	13.7	29.6
25.59	5.0E-05	0.00	39.0	2.36	7	42.8	77.1	119.9	29.1	38	43.0	6.0	-0.18	11.3	28.0
25.75	5.0E-04	0.00	46.6	1.38	7	51.1	37.9	89.0	21.0	38	48.0	1.0	-0.14	6.1	22.7
25.92	5.0E-04	0.00	50.6	1.06	7	55.6	28.6	84.2	17.7	38	50.5	1.0	-0.13	4.9	23.0
26.08	5.0E-03	0.00	51.8	1.02	7	57.1	27.2	84.3	17.1	38	51.2	1.0	-0.13	3.5	17.5
26.25	5.0E-04	0.00	52.9	1.36	7	58.4	36.1	94.6	19.3	40	51.9	1.0	-0.15	6.0	25.1
26.41	5.0E-04	0.00	51.9	1.53	7	57.5	41.3	98.8	20.7	38	51.4	1.0	-0.16	6.6	25.4
26.57	5.0E-04	0.00	48.8	2.03	7	54.3	57.9	112.2	24.3	38	49.8	1.0	-0.19	8.4	26.2
26.74	5.0E-04	0.00	46.3	2.11	7	51.8	62.0	113.8	25.4	38	48.4	1.0	-0.19	8.7	25.6
26.90	5.0E-04	0.00	54.3	1.77	7	60.8	48.1	108.8	21.5	40	53.0	1.0	-0.18	7.6	27.4
27.07	5.0E-03	0.00	75.7	1.18	9	84.5	28.0	112.5	14.3	40	62.5	1.0	-0.18	3.8	24.5
27.23	5.0E-03	0.00	87.2	0.96	9	97.6	20.6	118.2	11.5	42	66.6	1.0	-0.17	2.9	26.8
.39	5.0E-03	0.00	98.5	0.96	9	110.4	18.9	129.3	10.5	42	70.1	1.0	-0.18	2.7	29.7
56	5.0E-03	0.00	105.1	1.04	9	118.1	20.3	138.5	10.5	42	72.0	1.0	-0.20	2.9	31.8
.72	5.0E-03	0.00	110.9	1.09	9	125.0	21.1	146.0	10.4	42	73.7	1.0	-0.21	3.0	33.6
27.89	5.0E-03	0.00	113.8	1.15	9	128.7	22.5	151.1	10.6	42	74.5	1.0	-0.21	3.2	34.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4638
CPT File: 315CP21.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-03	0.00	114.3	1.32	9	129.6	27.6	157.2	11.6	42	74.7	1.0	-0.23	3.9	35.6
28.21	5.0E-03	0.00	116.9	1.29	9	132.9	26.3	159.2	11.2	42	75.4	1.0	-0.23	3.7	36.3
28.38	5.0E-03	0.00	114.0	1.34	9	130.0	28.2	158.3	11.7	42	74.8	1.0	-0.23	4.0	35.8
28.54	5.0E-03	0.00	111.4	1.23	9	127.5	25.5	153.0	11.2	42	74.2	1.0	-0.22	3.6	34.8
28.71	5.0E-03	0.00	121.7	1.14	9	139.7	21.5	161.1	10.0	42	76.9	1.0	-0.22	3.1	37.3
28.87	5.0E-03	0.00	121.5	1.35	9	139.9	27.8	167.7	11.2	42	76.9	1.0	-0.24	4.0	38.2
29.04	5.0E-03	0.00	116.9	1.15	9	135.0	22.7	157.7	10.4	42	75.9	1.0	-0.22	3.3	36.3
29.20	5.0E-03	0.00	119.3	1.10	9	138.1	20.8	158.9	9.9	42	76.5	1.0	-0.21	3.0	36.8
29.36	5.0E-02	0.00	160.5	0.78	9	186.0	4.3	190.4	5.8	44	85.1	1.0	-0.21	0.5	36.9
29.53	5.0E+00	0.00	169.5	0.01	10	197.1	0.0	197.1	2.9	44	86.7	1.0	0.15	0.0	32.2
29.69	5.0E+00	0.00	179.7	0.01	10	209.7	0.0	209.7	2.8	44	88.5	1.0	0.15	0.0	34.2

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-4682
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-22
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 18:33
CPT File: 315CP22.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.0	0.02	0.40	0.1	1	74.5	0.01	0.01	0.00	2.00	2.4	4.8	0.40	0.00
0.33	10.0	0.02	0.20	-0.6	6	98.7	0.01	0.01	0.00	2.00	3.8	7.6	0.80	0.00
0.49	10.9	0.02	0.18	-0.6	6	98.7	0.02	0.02	0.00	2.00	4.2	8.4	0.87	0.00
0.66	10.0	0.02	0.20	-0.5	6	98.7	0.03	0.03	0.00	2.00	3.8	7.6	0.79	0.00
0.82	8.8	0.02	0.23	-0.6	1	74.5	0.04	0.04	0.00	2.00	4.2	8.4	0.70	0.00
0.98	8.6	0.02	0.23	-0.4	1	74.5	0.04	0.04	0.00	2.00	4.1	8.2	0.68	0.00
1.15	9.6	0.02	0.21	-0.6	6	98.7	0.05	0.05	0.00	2.00	3.7	7.4	0.77	0.00
31	14.5	0.02	0.14	-0.4	6	98.7	0.06	0.06	0.00	2.00	5.6	11.1	1.16	0.00
.48	17.1	0.02	0.12	-0.4	7	98.7	0.07	0.07	0.00	2.00	5.5	10.9	UnDef	0.08
1.64	20.5	0.18	0.88	-0.6	6	98.7	0.07	0.07	0.00	2.00	7.9	15.7	1.63	0.09
1.80	24.5	0.34	1.39	-0.4	6	98.7	0.08	0.08	0.00	2.00	9.4	18.7	1.95	0.09
1.97	40.0	0.59	1.48	-0.5	7	98.7	0.09	0.09	0.00	2.00	12.8	25.5	UnDef	0.12
2.13	58.6	0.87	1.49	-0.4	7	98.7	0.10	0.10	0.00	2.00	18.7	37.4	UnDef	0.21
2.30	53.3	1.27	2.39	0.1	6	98.7	0.11	0.11	0.00	2.00	20.4	40.8	4.25	0.00
2.46	42.3	1.31	3.11	-0.7	5	85.3	0.11	0.11	0.00	2.00	20.2	40.5	3.37	0.00
2.62	31.5	1.07	3.40	-2.6	5	85.3	0.12	0.12	0.00	2.00	15.1	30.2	2.51	0.00
2.79	23.4	0.69	2.96	-1.6	5	85.3	0.13	0.13	0.00	2.00	11.2	22.4	1.86	0.00
2.95	21.0	0.50	2.39	-1.9	6	98.7	0.14	0.14	0.00	2.00	8.0	16.1	1.67	0.09
3.12	21.8	0.31	1.43	-1.8	6	98.7	0.14	0.14	0.00	2.00	8.3	16.7	1.73	0.09
3.28	20.9	0.34	1.63	-1.6	6	98.7	0.15	0.15	0.00	2.00	8.0	16.0	1.66	0.09
3.44	22.9	0.36	1.58	-1.4	6	98.7	0.16	0.16	0.00	2.00	8.8	17.5	1.82	0.09
3.61	24.3	0.38	1.57	-2.8	6	98.7	0.17	0.17	0.00	2.00	9.3	18.6	1.93	0.10
3.77	23.8	0.37	1.56	-2.2	6	98.7	0.18	0.18	0.00	2.00	9.1	18.2	1.89	0.10
3.94	19.0	0.32	1.69	-4.8	6	98.7	0.18	0.18	0.00	2.00	7.3	14.6	1.51	0.09
4.10	18.6	0.29	1.57	-3.4	6	98.7	0.19	0.19	0.00	2.00	7.1	14.2	1.47	0.09
4.27	17.2	0.31	1.80	-1.9	6	98.7	0.20	0.20	0.00	2.00	6.6	13.2	1.36	0.09
4.43	15.3	0.33	2.16	-2.2	5	85.3	0.21	0.21	0.00	2.00	7.3	14.7	1.21	0.09
4.59	16.2	0.36	2.23	-6.0	5	85.3	0.21	0.21	0.00	2.00	7.8	15.5	1.28	0.09
4.76	18.8	0.43	2.29	-5.6	5	85.3	0.22	0.22	0.00	2.00	9.0	18.0	1.49	0.10
4.92	16.9	0.41	2.43	-3.7	5	85.3	0.23	0.23	0.00	2.00	8.1	16.2	1.33	0.10
5.09	15.4	0.35	2.27	-5.5	5	85.3	0.24	0.24	0.00	2.00	7.4	14.8	1.22	0.10
5.25	13.4	0.28	2.10	-7.6	5	85.3	0.24	0.24	0.00	2.00	6.4	12.8	1.05	0.09
5.41	10.6	0.19	1.79	-10.9	5	85.3	0.25	0.25	0.00	2.00	5.1	10.2	0.83	0.09
5.58	10.3	0.20	1.94	-2.9	5	85.3	0.26	0.26	0.00	1.97	4.9	9.8	0.81	0.09
5.74	13.4	0.23	1.72	-2.0	5	85.3	0.26	0.26	0.00	1.95	6.4	12.5	1.05	0.09
5.91	14.3	0.52	3.65	-2.1	4	79.6	0.27	0.27	0.00	1.92	9.1	17.6	1.12	0.14
6.07	15.5	0.50	3.23	-1.8	4	79.6	0.28	0.28	0.00	1.90	9.9	18.8	1.22	0.12
6.23	20.1	0.49	2.44	-1.7	5	85.3	0.28	0.28	0.00	1.88	9.6	18.1	1.59	0.11
.40	20.0	0.49	2.45	4.3	5	85.3	0.29	0.29	0.00	1.85	9.6	17.8	1.58	0.11
56	19.3	0.49	2.55	6.1	5	85.3	0.30	0.30	0.00	1.83	9.2	16.9	1.52	0.11
.73	18.4	0.41	2.24	9.6	5	85.3	0.30	0.30	0.00	1.81	8.8	15.9	1.45	0.10
6.89	17.4	0.36	2.07	17.2	5	85.3	0.31	0.31	0.00	1.79	8.3	14.9	1.37	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4682
CPT File: 315CP22.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	17.6	0.32	1.82	22.5	6	98.7	0.32	0.32	0.00	1.77	6.7	11.9	1.38	0.10
7.22	18.3	0.33	1.80	26.9	6	98.7	0.33	0.33	0.00	1.75	7.0	12.3	1.44	0.10
7.38	19.3	0.38	1.97	27.4	6	98.7	0.34	0.34	0.00	1.73	7.4	12.8	1.52	0.10
7.55	19.4	0.37	1.91	31.1	6	98.7	0.34	0.34	0.00	1.71	7.4	12.7	1.52	0.10
7.71	19.1	0.38	1.99	31.0	6	98.7	0.35	0.35	0.00	1.69	7.3	12.4	1.50	0.10
7.87	19.4	0.38	1.96	25.3	6	98.7	0.36	0.36	0.00	1.67	7.4	12.4	1.52	0.10
8.04	20.4	0.45	2.21	21.0	6	98.7	0.37	0.37	0.00	1.65	7.8	12.9	1.60	0.11
8.20	23.2	0.45	1.95	25.7	6	98.7	0.38	0.38	0.00	1.63	8.9	14.5	1.82	0.11
8.37	22.7	0.49	2.16	30.4	6	98.7	0.38	0.38	0.00	1.61	8.7	14.0	1.79	0.11
8.53	23.9	0.46	1.93	27.5	6	98.7	0.39	0.39	0.00	1.60	9.2	14.6	1.88	0.11
8.69	21.8	0.47	2.16	18.4	6	98.7	0.40	0.40	0.00	1.58	8.4	13.2	1.71	0.11
8.86	22.1	0.45	2.04	21.3	6	98.7	0.41	0.41	0.00	1.57	8.5	13.3	1.74	0.11
9.02	21.4	0.45	2.11	25.7	6	98.7	0.42	0.42	0.00	1.55	8.2	12.7	1.68	0.11
9.19	22.2	0.90	4.07	28.1	4	79.6	0.42	0.42	0.00	1.54	14.2	21.8	1.74	0.28
9.35	22.1	0.78	3.53	34.5	5	85.3	0.43	0.43	0.00	1.52	10.6	16.2	1.74	0.20
9.51	26.2	0.74	2.83	1.6	5	85.3	0.44	0.44	0.00	1.51	12.5	19.0	2.06	0.14
9.68	23.9	0.56	2.34	11.1	6	98.7	0.44	0.44	0.00	1.50	9.2	13.7	1.88	0.12
9.84	22.8	0.50	2.20	18.8	6	98.7	0.45	0.45	0.00	1.49	8.7	13.0	1.79	0.12
10.01	23.4	0.44	1.89	22.9	6	98.7	0.46	0.46	0.00	1.47	8.9	13.2	1.83	0.11
10.17	26.1	0.39	1.50	23.0	6	98.7	0.47	0.47	0.00	1.46	10.0	14.6	2.05	0.10
10.33	33.9	0.35	1.03	13.8	7	98.7	0.48	0.48	0.00	1.45	10.8	15.7	UnDef	0.10
10.50	46.9	0.31	0.66	-0.7	7	98.7	0.49	0.49	0.00	1.44	15.0	21.5	UnDef	0.12
10.66	43.6	0.26	0.60	-1.4	7	98.7	0.49	0.49	0.00	1.42	13.9	19.8	UnDef	0.11
10.83	40.7	0.30	0.74	-2.1	7	98.7	0.50	0.50	0.00	1.41	13.0	18.4	UnDef	0.11
10.99	44.6	0.31	0.70	-2.1	7	98.7	0.51	0.51	0.00	1.40	14.2	20.0	UnDef	0.11
11.15	52.5	0.38	0.73	-2.2	8	101.8	0.52	0.52	0.00	1.39	12.6	17.5	UnDef	0.13
11.32	51.0	0.41	0.81	-2.2	7	98.7	0.53	0.53	0.00	1.38	16.3	22.4	UnDef	0.13
11.48	46.5	0.45	0.97	-2.2	7	98.7	0.53	0.53	0.00	1.37	14.8	20.3	UnDef	0.12
11.65	44.5	0.48	1.08	-2.2	7	98.7	0.54	0.54	0.00	1.36	14.2	19.3	UnDef	0.12
.81	43.7	0.57	1.31	-2.3	7	98.7	0.55	0.55	0.00	1.35	13.9	18.8	UnDef	0.12
.97	40.5	0.67	1.66	-1.9	7	98.7	0.56	0.56	0.00	1.34	12.9	17.3	UnDef	0.13
12.14	37.5	0.78	2.09	-2.1	6	98.7	0.57	0.57	0.00	1.33	14.4	19.1	2.95	0.14
12.30	34.2	0.76	2.23	-1.4	6	98.7	0.57	0.57	0.00	1.32	13.1	17.3	2.69	0.14
12.47	30.7	0.87	2.84	-1.2	5	85.3	0.58	0.58	0.00	1.31	14.7	19.3	2.41	0.17
12.63	30.8	0.55	1.79	-1.3	6	98.7	0.59	0.59	0.00	1.30	11.8	15.4	2.42	0.12
12.80	29.1	0.50	1.72	-2.1	6	98.7	0.60	0.60	0.00	1.29	11.2	14.4	2.28	0.11
12.96	27.1	0.47	1.74	-1.4	6	98.7	0.61	0.61	0.00	1.28	10.4	13.3	2.12	0.11
13.12	24.0	0.52	2.18	0.8	6	98.7	0.61	0.61	0.00	1.28	9.2	11.7	1.87	0.13
13.29	26.3	0.48	1.83	6.7	6	98.7	0.62	0.62	0.00	1.27	10.1	12.8	2.05	0.12
13.45	30.2	0.47	1.56	-0.7	6	98.7	0.63	0.63	0.00	1.26	11.6	14.6	2.37	0.11
13.62	34.2	0.45	1.32	0.0	7	98.7	0.64	0.64	0.00	1.25	10.9	13.7	UnDef	0.11
13.78	39.7	0.43	1.08	-1.1	7	98.7	0.65	0.65	0.00	1.24	12.7	15.8	UnDef	0.11
13.94	46.5	0.50	1.08	-1.2	7	98.7	0.65	0.65	0.00	1.24	14.8	18.3	UnDef	0.12
14.11	40.0	0.57	1.43	-1.7	7	98.7	0.66	0.66	0.00	1.23	12.8	15.7	UnDef	0.12
14.27	33.0	0.60	1.82	-1.5	6	98.7	0.67	0.67	0.00	1.22	12.7	15.4	2.59	0.12
14.44	48.0	0.60	1.25	2.5	7	98.7	0.68	0.68	0.00	1.21	15.3	18.6	UnDef	0.13
14.60	60.2	0.58	0.97	-1.6	7	98.7	0.69	0.69	0.00	1.21	19.2	23.2	UnDef	0.14
14.76	55.8	0.55	0.99	-1.4	7	98.7	0.70	0.70	0.00	1.20	17.8	21.4	UnDef	0.13
14.93	52.6	0.48	0.92	-1.6	7	98.7	0.70	0.70	0.00	1.19	16.8	20.0	UnDef	0.12
15.09	50.9	0.41	0.81	-1.8	7	98.7	0.71	0.71	0.00	1.19	16.3	19.3	UnDef	0.12
15.26	50.5	0.40	0.79	-1.7	7	98.7	0.72	0.72	0.00	1.18	16.1	19.0	UnDef	0.12
15.42	50.7	0.46	0.91	-1.8	7	98.7	0.73	0.73	0.00	1.17	16.2	19.0	UnDef	0.12
15.58	52.5	0.53	1.01	-1.6	7	98.7	0.74	0.74	0.00	1.17	16.8	19.5	UnDef	0.13
15.75	55.9	0.63	1.13	-1.7	7	98.7	0.74	0.74	0.00	1.16	17.8	20.7	UnDef	0.14
15.91	58.0	0.54	0.93	-1.8	7	98.7	0.75	0.75	0.00	1.15	18.5	21.4	UnDef	0.13
16.08	62.6	0.47	0.75	-1.6	8	101.8	0.76	0.76	0.00	1.15	15.0	17.2	UnDef	0.13
16.24	69.1	0.49	0.71	-1.5	8	101.8	0.77	0.77	0.00	1.14	16.5	18.9	UnDef	0.14
16.40	72.3	0.64	0.89	-1.4	8	101.8	0.78	0.78	0.00	1.13	17.3	19.6	UnDef	0.16
16.57	79.4	0.77	0.97	-1.2	8	101.8	0.78	0.78	0.00	1.13	19.0	21.5	UnDef	0.18
16.73	80.7	0.82	1.02	-1.1	8	101.8	0.79	0.79	0.00	1.12	19.3	21.7	UnDef	0.19
.90	69.5	0.74	1.07	-1.3	8	101.8	0.80	0.80	0.00	1.12	16.6	18.6	UnDef	0.16
06	61.6	0.61	0.99	-1.2	7	98.7	0.81	0.81	0.00	1.11	19.7	21.9	UnDef	0.14
.22	65.2	0.67	1.03	-1.1	8	101.8	0.82	0.82	0.00	1.11	15.6	17.3	UnDef	0.15
17.39	75.2	0.76	1.01	-1.2	8	101.8	0.83	0.83	0.00	1.10	18.0	19.8	UnDef	0.17

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4682
CPT File: 315CP22.COR

›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	73.3	0.85	1.16	-1.3	8	101.8	0.83	0.83	0.00	1.09	17.5	19.2	UnDef	0.17
17.72	71.9	0.84	1.17	-1.1	8	101.8	0.84	0.84	0.00	1.09	17.2	18.7	UnDef	0.17
17.88	72.2	0.82	1.14	-1.2	8	101.8	0.85	0.85	0.00	1.08	17.3	18.7	UnDef	0.17
18.04	75.5	0.83	1.10	-1.3	8	101.8	0.86	0.86	0.00	1.08	18.1	19.5	UnDef	0.17
18.21	71.4	0.84	1.18	-1.3	8	101.8	0.87	0.87	0.00	1.07	17.1	18.4	UnDef	0.17
18.37	70.3	0.88	1.26	-1.2	7	98.7	0.88	0.88	0.00	1.07	22.4	24.0	UnDef	0.17
18.54	66.9	0.86	1.29	-1.2	7	98.7	0.88	0.88	0.00	1.06	21.4	22.7	UnDef	0.16
18.70	60.9	1.04	1.71	-1.3	7	98.7	0.89	0.89	0.00	1.06	19.5	20.6	UnDef	0.17
18.86	53.5	1.20	2.25	-0.6	6	98.7	0.90	0.90	0.00	1.05	20.5	21.6	4.21	0.20
19.03	48.9	1.04	2.13	-0.4	6	98.7	0.91	0.91	0.00	1.05	18.7	19.6	3.84	0.18
19.19	54.2	0.73	1.35	1.4	7	98.7	0.92	0.92	0.00	1.04	17.3	18.1	UnDef	0.14
19.36	63.2	0.53	0.84	-0.8	8	101.8	0.93	0.93	0.00	1.04	15.1	15.7	UnDef	0.13
19.52	65.1	0.51	0.79	-0.6	8	101.8	0.93	0.93	0.00	1.04	15.6	16.1	UnDef	0.13
19.68	69.4	0.54	0.78	-0.6	8	101.8	0.94	0.94	0.00	1.03	16.6	17.1	UnDef	0.14
19.85	64.1	0.57	0.89	-0.8	8	101.8	0.95	0.95	0.00	1.03	15.4	15.8	UnDef	0.13
20.01	61.9	0.52	0.84	-0.6	8	101.8	0.96	0.96	0.00	1.02	14.8	15.1	UnDef	0.13
20.18	65.5	0.56	0.86	-0.7	8	101.8	0.97	0.97	0.00	1.02	15.7	15.9	UnDef	0.13
20.34	66.8	0.51	0.77	-0.6	8	101.8	0.98	0.98	0.00	1.01	16.0	16.2	UnDef	0.13
20.51	56.2	0.55	0.98	-0.7	7	98.7	0.98	0.98	0.00	1.01	17.9	18.1	UnDef	0.13
20.67	47.7	0.69	1.45	-0.6	7	98.7	0.99	0.99	0.00	1.00	15.2	15.3	UnDef	0.13
20.83	39.0	0.84	2.16	-0.5	6	98.7	1.00	1.00	0.00	1.00	15.0	15.0	3.04	0.18
21.00	34.6	0.88	2.55	0.6	6	98.7	1.01	1.01	0.00	1.00	13.3	13.2	2.69	0.28
21.16	34.1	0.79	2.32	7.9	6	98.7	1.02	1.02	0.00	0.99	13.1	13.0	2.65	0.23
21.33	31.6	0.71	2.25	10.4	6	98.7	1.02	1.02	0.00	0.99	12.1	12.0	2.45	0.24
21.49	28.5	0.67	2.36	15.1	6	98.7	1.03	1.03	0.00	0.98	10.9	10.7	2.20	0.32
21.65	27.9	0.62	2.23	19.4	6	98.7	1.04	1.04	0.00	0.98	10.7	10.5	2.15	0.30
21.82	27.5	0.58	2.11	22.4	6	98.7	1.05	1.05	0.00	0.98	10.5	10.3	2.12	0.29
21.98	30.0	0.67	2.24	26.1	6	98.7	1.06	1.06	0.00	0.97	11.5	11.2	2.31	0.29
22.15	34.3	0.66	1.93	24.6	6	98.7	1.06	1.06	0.00	0.97	13.1	12.7	2.66	0.17
31	34.6	1.02	2.96	18.4	5	85.3	1.07	1.07	0.00	0.97	16.6	16.0	2.68	0.00
.47	28.8	0.83	2.89	18.6	5	85.3	1.08	1.08	0.00	0.96	13.8	13.3	2.22	0.31
22.64	34.7	0.77	2.23	25.9	6	98.7	1.09	1.09	0.00	0.96	13.3	12.7	2.69	0.24
22.80	34.6	0.74	2.14	24.6	6	98.7	1.09	1.09	0.00	0.96	13.3	12.7	2.68	0.22
22.97	36.8	0.75	2.04	26.6	6	98.7	1.10	1.10	0.00	0.95	14.1	13.4	2.86	0.19
23.13	33.7	0.70	2.08	29.0	6	98.7	1.11	1.11	0.00	0.95	12.9	12.2	2.61	0.22
23.29	35.1	0.72	2.05	30.9	6	98.7	1.12	1.12	0.00	0.95	13.5	12.7	2.72	0.21
23.46	34.7	0.72	2.08	24.5	6	98.7	1.13	1.13	0.00	0.94	13.3	12.5	2.69	0.22
23.62	33.6	0.67	2.00	26.9	6	98.7	1.14	1.14	0.00	0.94	12.9	12.1	2.60	0.21
23.79	36.4	0.73	2.01	29.5	6	98.7	1.14	1.14	0.00	0.94	13.9	13.0	2.82	0.20
23.95	32.4	0.60	1.86	17.5	6	98.7	1.15	1.15	0.00	0.93	12.4	11.6	2.50	0.19
24.11	40.8	0.55	1.35	20.0	7	98.7	1.16	1.16	0.00	0.93	13.0	12.1	UnDef	0.13
24.28	53.1	0.49	0.92	3.7	7	98.7	1.17	1.17	0.00	0.93	17.0	15.7	UnDef	0.12
24.44	66.3	0.66	1.00	0.8	8	101.8	1.18	1.18	0.00	0.92	15.9	14.6	UnDef	0.14
24.61	66.3	0.86	1.30	0.0	7	98.7	1.18	1.18	0.00	0.92	21.2	19.5	UnDef	0.16
24.77	66.2	0.88	1.33	-0.6	7	98.7	1.19	1.19	0.00	0.92	21.1	19.4	UnDef	0.16
24.93	67.2	0.94	1.40	-0.7	7	98.7	1.20	1.20	0.00	0.91	21.5	19.6	UnDef	0.17
25.10	64.9	0.92	1.42	-0.9	7	98.7	1.21	1.21	0.00	0.91	20.7	18.9	UnDef	0.16
25.26	67.3	1.13	1.68	-0.7	7	98.7	1.22	1.22	0.00	0.91	21.5	19.5	UnDef	0.19
25.43	65.0	1.30	2.00	-0.6	7	98.7	1.22	1.22	0.00	0.90	20.8	18.8	UnDef	0.22
25.59	61.0	1.39	2.28	-0.7	6	98.7	1.23	1.23	0.00	0.90	23.4	21.1	4.78	0.25
25.75	58.9	1.02	1.74	-1.4	7	98.7	1.24	1.24	0.00	0.90	18.8	16.9	UnDef	0.18
25.92	67.1	0.79	1.18	-1.2	7	98.7	1.25	1.25	0.00	0.90	21.4	19.2	UnDef	0.15
26.08	71.3	0.69	0.97	-1.0	8	101.8	1.26	1.26	0.00	0.89	17.1	15.2	UnDef	0.14
26.25	76.9	0.84	1.09	-0.8	8	101.8	1.27	1.27	0.00	0.89	18.4	16.4	UnDef	0.16
26.41	88.7	0.91	1.03	-1.0	8	101.8	1.27	1.27	0.00	0.89	21.2	18.8	UnDef	0.18
26.57	95.2	0.97	1.02	-0.7	8	101.8	1.28	1.28	0.00	0.88	22.8	20.1	UnDef	0.19
26.74	104.8	1.11	1.06	-0.8	8	101.8	1.29	1.29	0.00	0.88	25.1	22.1	UnDef	0.22
26.90	114.7	1.26	1.10	-0.9	8	101.8	1.30	1.30	0.00	0.88	27.5	24.1	UnDef	0.25
27.07	113.9	1.36	1.20	-0.8	8	101.8	1.31	1.31	0.00	0.87	27.3	23.9	UnDef	0.26
27.23	107.4	1.37	1.28	-0.8	8	101.8	1.32	1.32	0.00	0.87	25.7	22.4	UnDef	0.25
.39	112.0	1.52	1.36	-0.9	8	101.8	1.32	1.32	0.00	0.87	26.8	23.3	UnDef	0.28
56	146.8	1.58	1.08	-1.2	8	101.8	1.33	1.33	0.00	0.87	35.1	30.5	UnDef	0.37
.72	153.9	1.69	1.10	-1.0	8	101.8	1.34	1.34	0.00	0.86	36.9	31.8	UnDef	0.40
27.89	143.9	1.55	1.08	-1.0	8	101.8	1.35	1.35	0.00	0.86	34.4	29.7	UnDef	0.35

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4682
CPT File: 315CP22.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	154.5	0.02	0.01	-1.1	9	101.8	1.36	1.36	0.00	0.86	29.6	25.4	UnDef	0.28
28.21	217.5	0.02	0.01	-1.1	10	127.3	1.37	1.37	0.00	0.86	34.7	29.7	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4682
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-22
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 18:33
CPT File: 315CP22.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	814.7	0.40	10	9.5	0.0	9.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.8
0.33	5.0E-05	0.00	753.1	0.20	10	19.1	0.0	19.1	0.0	50	62.6	10.0	-0.23	0.0	7.6
0.49	5.0E-05	0.00	511.8	0.18	10	20.9	0.0	20.9	0.0	48	58.4	10.0	-0.19	0.0	8.4
0.66	5.0E-05	0.00	337.9	0.20	10	19.1	0.0	19.1	0.0	48	51.1	10.0	-0.16	0.0	7.6
0.82	1.7E-07	0.00	240.4	0.23	10	16.9	0.0	16.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.4
0.98	1.7E-07	0.00	199.9	0.24	10	16.4	0.0	16.4	0.5	UnDef	UnDef	10.0	UnDef	0.0	8.2
1.15	5.0E-05	0.00	193.0	0.21	10	18.5	0.0	18.5	0.4	44	42.6	10.0	-0.11	0.0	7.4
1.31	5.0E-05	0.00	249.9	0.14	10	27.8	0.0	27.8	0.0	46	52.2	10.0	-0.10	0.0	11.1
.48	5.0E-04	0.00	258.8	0.12	10	32.8	0.0	32.8	0.0	46	55.0	1.0	-0.09	0.0	10.9
1.64	5.0E-05	0.00	276.2	0.88	9	39.3	0.0	39.3	3.6	46	58.6	10.0	-0.27	0.0	15.7
1.80	5.0E-05	0.00	297.1	1.40	9	46.9	1.2	48.1	5.9	46	62.1	10.0	-0.33	0.3	19.0
1.97	5.0E-04	0.00	442.5	1.48	9	76.6	0.0	76.6	4.6	48	74.9	1.0	-0.38	0.0	25.5
2.13	5.0E-04	0.00	595.8	1.49	9	112.3	0.0	112.3	3.7	50	84.6	1.0	-0.41	0.0	37.4
2.30	5.0E-05	0.00	500.0	2.39	12	102.0	UnDef	UnDef	0.0	48	80.7	10.0	-0.48	UnDef	UnDef
2.46	5.0E-06	0.00	370.3	3.11	12	81.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-06	0.00	259.9	3.41	12	60.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.79	5.0E-06	0.00	181.7	2.98	12	44.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.95	5.0E-05	0.00	154.1	2.40	7	40.2	13.4	53.6	14.4	44	50.6	10.0	-0.34	3.0	19.1
3.12	5.0E-05	0.00	150.7	1.44	9	41.7	6.6	48.3	10.1	44	50.8	10.0	-0.27	1.6	18.2
3.28	5.0E-05	0.00	136.7	1.64	9	40.0	9.0	49.0	11.9	44	48.8	10.0	-0.27	2.1	18.1
3.44	5.0E-05	0.00	142.1	1.59	9	43.8	8.9	52.7	11.3	44	50.6	10.0	-0.27	2.1	19.6
3.61	5.0E-05	0.00	144.0	1.58	9	46.6	9.2	55.8	11.2	44	51.7	10.0	-0.27	2.1	20.8
3.77	5.0E-05	0.00	134.1	1.57	9	45.5	9.9	55.4	11.7	44	50.4	10.0	-0.26	2.3	20.5
3.94	5.0E-05	-0.01	102.3	1.70	7	36.4	12.5	48.9	14.6	42	43.3	10.0	-0.25	2.8	17.3
4.10	5.0E-05	-0.01	95.7	1.58	7	35.6	12.2	47.7	14.5	42	42.0	10.0	-0.23	2.7	16.9
4.27	5.0E-05	0.00	85.1	1.82	7	33.0	15.4	48.5	16.9	42	39.3	10.0	-0.24	3.3	16.5
4.43	5.0E-06	0.00	72.7	2.19	7	29.3	20.5	49.8	20.4	UnDef	UnDef	10.0	UnDef	5.1	19.7
4.59	5.0E-06	-0.01	74.5	2.26	7	31.0	21.8	52.8	20.5	UnDef	UnDef	10.0	UnDef	5.4	20.9
4.76	5.0E-06	-0.01	83.9	2.32	7	36.0	22.7	58.8	19.5	UnDef	UnDef	10.0	UnDef	5.7	23.8
4.92	5.0E-06	-0.01	73.0	2.46	7	32.4	25.9	58.3	21.6	UnDef	UnDef	10.0	UnDef	6.2	22.4
5.09	5.0E-06	-0.01	64.5	2.31	7	29.6	25.4	55.0	22.3	UnDef	UnDef	10.0	UnDef	6.0	20.8
5.25	5.0E-06	-0.02	54.1	2.14	7	25.6	25.2	50.8	23.6	UnDef	UnDef	10.0	UnDef	5.8	18.6
5.41	5.0E-06	-0.03	41.5	1.84	7	20.3	24.1	44.5	25.3	UnDef	UnDef	6.0	UnDef	5.2	15.4
5.58	5.0E-06	-0.01	39.2	1.99	7	19.8	28.1	47.9	27.0	UnDef	UnDef	6.0	UnDef	5.7	15.4
5.74	5.0E-06	0.00	49.8	1.75	7	25.5	22.4	47.9	22.5	UnDef	UnDef	6.0	UnDef	5.2	17.7
5.91	5.0E-07	0.00	51.9	3.72	6	26.9	61.1	88.0	31.0	UnDef	UnDef	10.0	UnDef	13.5	31.0
6.07	5.0E-07	0.00	55.0	3.29	6	28.9	48.8	77.7	28.5	UnDef	UnDef	10.0	UnDef	12.2	31.0
6.23	5.0E-06	0.00	69.9	2.48	7	36.9	31.3	68.3	22.2	UnDef	UnDef	10.0	UnDef	7.3	25.4
6.40	5.0E-06	0.01	67.9	2.49	7	36.3	32.1	68.4	22.6	UnDef	UnDef	10.0	UnDef	7.4	25.2
.56	5.0E-06	0.01	63.7	2.59	7	34.5	34.7	69.2	23.8	UnDef	UnDef	10.0	UnDef	7.7	24.6
73	5.0E-06	0.02	59.3	2.27	7	32.6	30.6	63.2	23.1	UnDef	UnDef	10.0	UnDef	6.9	22.9
6.89	5.0E-06	0.03	54.8	2.11	7	30.5	29.1	59.6	23.3	UnDef	UnDef	10.0	UnDef	6.6	21.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4682
CPT File: 315CP22.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.04	54.2	1.86	7	30.5	25.5	56.0	22.0	40	33.2	10.0	-0.18	4.8	16.7
7.22	5.0E-05	0.05	55.0	1.84	7	31.4	25.4	56.7	21.8	40	34.0	10.0	-0.18	4.8	17.0
7.38	5.0E-05	0.05	56.5	2.01	7	32.6	28.2	60.8	22.4	40	35.1	10.0	-0.20	5.2	18.0
7.55	5.0E-05	0.05	55.4	1.95	7	32.3	27.7	60.1	22.3	40	34.9	10.0	-0.19	5.1	17.8
7.71	5.0E-05	0.05	53.4	2.03	7	31.6	29.7	61.3	23.2	40	34.2	10.0	-0.19	5.4	17.7
7.87	5.0E-05	0.04	53.0	2.00	7	31.7	29.6	61.3	23.1	40	34.3	10.0	-0.19	5.4	17.8
8.04	5.0E-05	0.03	54.5	2.25	7	32.9	34.1	67.0	24.0	40	35.4	10.0	-0.21	6.0	18.9
8.20	5.0E-05	0.04	60.7	1.98	7	37.0	28.7	65.7	21.4	40	38.8	10.0	-0.20	5.4	19.9
8.37	5.0E-05	0.04	58.1	2.20	7	35.8	33.2	69.1	23.0	40	37.9	10.0	-0.21	6.0	20.1
8.53	5.0E-05	0.04	59.9	1.96	7	37.3	29.1	66.5	21.4	40	39.0	10.0	-0.20	5.5	20.1
8.69	5.0E-05	0.03	53.5	2.20	7	33.7	34.8	68.6	24.0	40	36.1	10.0	-0.21	6.2	19.4
8.86	5.0E-05	0.03	53.2	2.08	7	33.9	32.9	66.8	23.4	40	36.3	10.0	-0.20	5.9	19.2
9.02	5.0E-05	0.04	50.4	2.15	7	32.4	35.3	67.8	24.5	38	35.0	10.0	-0.19	6.1	18.8
9.19	5.0E-07	0.04	51.3	4.15	6	33.3	94.7	128.1	32.7	UnDef	UnDef	10.0	UnDef	18.7	40.5
9.35	5.0E-06	0.05	50.4	3.60	6	33.0	74.5	107.5	31.0	UnDef	UnDef	10.0	UnDef	12.4	28.5
9.51	5.0E-06	0.00	58.9	2.88	7	38.8	49.4	88.2	26.0	UnDef	UnDef	10.0	UnDef	10.2	29.2
9.68	5.0E-05	0.01	52.8	2.39	7	35.1	40.8	75.9	25.1	38	37.3	10.0	-0.22	7.0	20.7
9.84	5.0E-05	0.03	49.4	2.24	7	33.2	39.0	72.2	25.2	38	35.7	6.0	-0.20	6.6	19.6
10.01	5.0E-05	0.03	49.7	1.93	7	33.7	32.9	66.5	23.5	38	36.1	6.0	-0.18	5.9	19.1
10.17	5.0E-05	0.03	54.6	1.52	7	37.3	24.9	62.2	20.0	40	39.0	10.0	-0.17	4.9	19.5
10.33	5.0E-04	0.01	70.1	1.05	9	48.1	15.6	63.6	14.2	40	46.3	1.0	-0.16	2.8	18.5
10.50	5.0E-04	0.00	95.6	0.67	9	65.9	6.9	72.8	8.6	42	55.3	1.0	-0.15	1.4	22.8
10.66	5.0E-04	0.00	87.3	0.61	9	60.7	6.7	67.4	8.7	42	53.0	1.0	-0.13	1.3	21.1
10.83	5.0E-04	0.00	80.2	0.75	9	56.3	10.0	66.3	10.6	42	50.8	1.0	-0.14	1.9	20.3
10.99	5.0E-04	0.00	86.6	0.70	9	61.2	8.6	69.8	9.6	42	53.2	1.0	-0.14	1.7	21.6
11.15	5.0E-03	0.00	100.4	0.73	9	71.4	7.8	79.2	8.7	42	57.6	1.0	-0.16	1.1	18.6
11.32	5.0E-04	0.00	95.9	0.81	9	68.8	9.8	78.5	9.7	42	56.5	1.0	-0.16	1.9	24.3
11.48	5.0E-04	0.00	86.0	0.98	9	62.2	13.8	76.0	11.8	42	53.7	1.0	-0.17	2.6	22.9
11.65	5.0E-04	0.00	81.1	1.09	9	59.2	16.3	75.5	13.1	42	52.2	1.0	-0.18	3.0	22.3
.81	5.0E-04	0.00	78.4	1.32	7	57.6	20.8	78.4	14.9	42	51.5	1.0	-0.19	3.7	22.5
.97	5.0E-04	0.00	71.5	1.68	7	53.0	28.0	81.0	17.9	40	49.1	1.0	-0.21	4.8	22.1
12.14	5.0E-05	0.00	65.2	2.12	7	48.7	37.4	86.1	21.3	40	46.7	10.0	-0.23	7.1	26.2
12.30	5.0E-05	0.00	58.6	2.26	7	44.2	41.9	86.1	23.2	40	43.9	10.0	-0.22	7.6	24.9
12.47	5.0E-06	0.00	51.8	2.89	7	39.4	60.6	100.0	27.7	UnDef	UnDef	10.0	UnDef	11.8	31.1
12.63	5.0E-05	0.00	51.2	1.83	7	39.2	34.6	73.9	22.6	38	40.5	10.0	-0.18	6.4	21.7
12.80	5.0E-05	0.00	47.7	1.76	7	36.9	34.3	71.1	23.0	38	38.7	6.0	-0.17	6.2	20.7
12.96	5.0E-05	0.00	43.7	1.78	7	34.0	36.2	70.3	24.3	38	36.4	6.0	-0.16	6.3	19.7
13.12	5.0E-05	0.00	38.0	2.23	7	29.9	52.0	81.9	28.8	38	32.7	6.0	-0.17	7.7	19.4
13.29	5.0E-05	0.01	41.2	1.87	7	32.6	40.0	72.6	25.6	38	35.2	6.0	-0.16	6.7	19.5
13.45	5.0E-05	0.00	46.9	1.59	7	37.2	31.8	69.1	22.3	38	39.0	6.0	-0.16	5.9	20.5
13.62	5.0E-04	0.00	52.6	1.34	7	41.9	25.8	67.7	19.3	38	42.4	1.0	-0.15	4.3	18.0
13.78	5.0E-04	0.00	60.5	1.10	7	48.4	20.3	68.6	16.1	40	46.5	1.0	-0.15	3.6	19.4
13.94	5.0E-04	0.00	70.0	1.09	9	56.2	19.1	75.3	14.5	40	50.8	1.0	-0.16	3.5	21.8
14.11	5.0E-04	0.00	59.3	1.45	7	48.1	27.4	75.5	18.6	40	46.3	1.0	-0.17	4.6	20.3
14.27	5.0E-05	0.00	48.2	1.86	7	39.5	38.5	78.0	23.5	38	40.6	6.0	-0.18	6.9	22.4
14.44	5.0E-04	0.00	69.7	1.27	7	57.0	22.9	79.9	15.7	40	51.2	1.0	-0.18	4.1	22.7
14.60	5.0E-04	0.00	86.7	0.98	9	71.1	15.5	86.6	11.7	42	57.5	1.0	-0.17	2.9	26.1
14.76	5.0E-04	0.00	79.2	1.00	9	65.5	16.8	82.3	12.7	42	55.1	1.0	-0.17	3.1	24.5
14.93	5.0E-04	0.00	73.8	0.93	9	61.4	16.1	77.5	12.8	40	53.3	1.0	-0.15	3.0	23.0
15.09	5.0E-04	0.00	70.6	0.82	9	59.1	14.5	73.5	12.4	40	52.2	1.0	-0.14	2.7	22.0
15.26	5.0E-04	0.00	69.2	0.81	9	58.3	14.4	72.7	12.4	40	51.8	1.0	-0.13	2.7	21.7
15.42	5.0E-04	0.00	68.6	0.92	9	58.1	16.9	75.1	13.4	40	51.7	1.0	-0.14	3.1	22.1
15.58	5.0E-04	0.00	70.4	1.03	9	59.9	18.9	78.8	14.0	40	52.6	1.0	-0.16	3.4	23.0
15.75	5.0E-04	0.00	74.2	1.15	9	63.4	20.9	84.3	14.3	40	54.2	1.0	-0.17	3.8	24.5
15.91	5.0E-04	0.00	76.2	0.95	9	65.5	16.7	82.2	12.6	40	55.1	1.0	-0.16	3.1	24.5
16.08	5.0E-03	0.00	81.4	0.76	9	70.3	12.4	82.7	10.6	42	57.2	1.0	-0.14	1.8	19.0
16.24	5.0E-03	0.00	89.0	0.72	9	77.2	10.6	87.8	9.5	42	59.8	1.0	-0.15	1.5	20.4
16.40	5.0E-03	0.00	92.1	0.90	9	80.3	14.1	94.4	10.6	42	61.0	1.0	-0.17	2.0	21.7
16.57	5.0E-03	0.00	100.1	0.98	9	87.7	15.1	102.8	10.5	42	63.5	1.0	-0.19	2.2	23.6
16.73	5.0E-03	0.00	100.7	1.03	9	88.6	16.2	104.8	10.8	42	63.8	1.0	-0.19	2.3	24.0
.90	5.0E-03	0.00	85.7	1.08	9	76.0	19.0	95.0	12.5	42	59.4	1.0	-0.18	2.7	21.2
06	5.0E-04	0.00	75.1	1.01	9	67.0	18.8	85.8	13.2	40	55.8	1.0	-0.16	3.5	25.3
.22	5.0E-03	0.00	78.7	1.04	9	70.6	19.2	89.8	13.0	42	57.3	1.0	-0.17	2.7	19.9
17.39	5.0E-03	0.00	90.0	1.02	9	81.0	17.6	98.6	11.7	42	61.2	1.0	-0.18	2.5	22.3

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP22.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	86.8	1.18	9	78.5	21.4	99.9	13.0	42	60.3	1.0	-0.19	3.0	22.2
17.72	5.0E-03	0.00	84.2	1.19	9	76.6	22.0	98.6	13.4	42	59.6	1.0	-0.19	3.0	21.8
17.88	5.0E-03	0.00	83.8	1.15	9	76.6	21.4	98.0	13.2	42	59.6	1.0	-0.18	3.0	21.7
18.04	5.0E-03	0.00	86.8	1.11	9	79.7	20.4	100.0	12.6	42	60.8	1.0	-0.18	2.8	22.3
18.21	5.0E-03	0.00	81.3	1.19	9	75.0	22.8	97.8	13.7	42	59.0	1.0	-0.18	3.1	21.5
18.37	5.0E-04	0.00	79.2	1.27	7	73.4	24.9	98.4	14.5	42	58.4	1.0	-0.19	4.5	28.5
18.54	5.0E-04	0.00	74.7	1.30	7	69.7	26.3	96.0	15.3	40	56.9	1.0	-0.18	4.7	27.4
18.70	5.0E-04	0.00	67.3	1.74	7	63.1	37.2	100.4	18.9	40	54.1	1.0	-0.20	6.2	26.8
18.86	5.0E-05	0.00	58.4	2.29	7	55.2	53.1	108.3	23.4	40	50.2	10.0	-0.22	9.6	31.2
19.03	5.0E-05	0.00	52.8	2.17	7	50.2	52.0	102.2	24.1	38	47.5	10.0	-0.21	9.2	28.8
19.19	5.0E-04	0.00	58.2	1.37	7	55.4	30.6	86.0	18.3	40	50.4	1.0	-0.16	5.2	23.3
19.36	5.0E-03	0.00	67.3	0.85	9	64.3	17.7	82.0	13.1	40	54.6	1.0	-0.14	2.5	18.2
19.52	5.0E-03	0.00	68.7	0.80	9	65.9	16.3	82.3	12.4	40	55.3	1.0	-0.13	2.3	18.4
19.68	5.0E-03	0.00	72.7	0.79	9	70.0	15.7	85.7	11.9	40	57.1	1.0	-0.14	2.2	19.3
19.85	5.0E-03	0.00	66.5	0.90	9	64.4	19.2	83.6	13.6	40	54.7	1.0	-0.14	2.6	18.4
20.01	5.0E-03	0.00	63.6	0.86	9	61.9	18.6	80.5	13.7	40	53.5	1.0	-0.13	2.6	17.7
20.18	5.0E-03	0.00	66.7	0.87	9	65.2	18.6	83.7	13.3	40	55.0	1.0	-0.14	2.6	18.5
20.34	5.0E-03	0.00	67.5	0.78	9	66.2	16.4	82.6	12.4	40	55.5	1.0	-0.13	2.3	18.5
20.51	5.0E-04	0.00	56.2	1.00	7	55.5	23.3	78.8	16.1	40	50.4	1.0	-0.13	4.1	22.2
20.67	5.0E-04	0.00	47.1	1.48	7	46.9	36.9	83.8	21.5	38	45.6	1.0	-0.15	5.8	21.1
20.83	5.0E-05	0.00	38.0	2.21	7	38.2	65.5	103.7	28.7	38	39.7	6.0	-0.17	9.8	24.7
21.00	5.0E-05	0.00	33.4	2.62	6	33.8	96.2	130.0	32.7	36	36.1	6.0	-0.18	11.4	24.6
21.16	5.0E-05	0.01	32.6	2.39	6	33.1	84.7	117.8	31.9	36	35.6	6.0	-0.16	10.6	23.5
21.33	5.0E-05	0.01	29.9	2.33	6	30.6	89.5	120.1	32.9	36	33.3	6.0	-0.15	10.5	22.4
21.49	5.0E-05	0.02	26.6	2.45	6	27.5	109.8	137.3	35.4	36	30.2	6.0	-0.14	10.7	21.5
21.65	5.0E-05	0.02	25.8	2.32	6	26.8	107.0	133.8	35.2	34	30.0	6.0	-0.13	10.5	20.9
21.82	5.0E-05	0.03	25.2	2.20	6	26.3	104.7	131.0	34.9	34	30.0	6.0	-0.12	10.3	20.6
21.98	5.0E-05	0.03	27.4	2.32	6	28.5	102.8	131.3	34.3	36	31.3	6.0	-0.14	10.7	21.9
22.15	5.0E-05	0.02	31.2	1.99	7	32.5	68.0	100.5	30.3	36	35.1	6.0	-0.14	9.3	22.1
31	5.0E-06	0.02	31.3	3.05	6	32.7	130.7	163.4	35.8	UnDef	UnDef	6.0	UnDef	16.0	32.0
47	5.0E-06	0.02	25.7	3.00	6	27.2	108.7	135.8	38.8	UnDef	UnDef	6.0	UnDef	13.3	26.6
22.64	5.0E-05	0.02	30.9	2.30	6	32.6	86.5	119.1	32.2	36	35.1	6.0	-0.15	10.6	23.4
22.80	5.0E-05	0.02	30.6	2.21	6	32.4	82.6	114.9	31.9	36	34.9	6.0	-0.14	10.3	23.0
22.97	5.0E-05	0.02	32.4	2.11	7	34.3	72.7	107.0	30.4	36	36.6	6.0	-0.15	9.9	23.3
23.13	5.0E-05	0.03	29.3	2.15	6	31.3	83.6	114.9	32.3	36	34.0	6.0	-0.14	10.2	22.5
23.29	5.0E-05	0.03	30.4	2.12	6	32.5	78.5	111.1	31.5	36	35.1	6.0	-0.14	10.1	22.8
23.46	5.0E-05	0.02	29.8	2.15	6	32.0	82.1	114.1	31.9	36	34.6	6.0	-0.14	10.3	22.8
23.62	5.0E-05	0.03	28.6	2.07	6	30.9	81.4	112.2	32.2	36	33.6	6.0	-0.13	10.0	22.1
23.79	5.0E-05	0.03	30.8	2.08	7	33.3	76.0	109.2	31.0	36	35.7	6.0	-0.14	10.0	23.1
23.95	5.0E-05	0.02	27.2	1.92	6	29.6	77.5	107.1	32.1	36	32.3	6.0	-0.12	9.6	21.1
24.11	5.0E-04	0.02	34.2	1.39	7	37.1	43.1	80.1	25.1	36	38.8	1.0	-0.11	6.1	18.2
24.28	5.0E-04	0.00	44.5	0.95	7	48.1	26.5	74.6	18.3	38	46.3	1.0	-0.11	4.5	20.2
24.44	5.0E-03	0.00	55.4	1.02	7	59.9	26.0	85.9	16.4	40	52.6	1.0	-0.13	3.4	18.1
24.61	5.0E-04	0.00	55.0	1.32	7	59.6	34.1	93.8	18.6	40	52.5	1.0	-0.16	5.7	25.2
24.77	5.0E-04	0.00	54.6	1.36	7	59.4	35.2	94.5	18.9	40	52.3	1.0	-0.16	5.9	25.2
24.93	5.0E-04	0.00	55.0	1.43	7	60.0	37.1	97.1	19.3	40	52.6	1.0	-0.16	6.1	25.7
25.10	5.0E-04	0.00	52.7	1.45	7	57.8	38.3	96.1	19.9	38	51.6	1.0	-0.16	6.3	25.1
25.26	5.0E-04	0.00	54.4	1.71	7	59.7	45.5	105.2	21.2	40	52.5	1.0	-0.18	7.2	26.7
25.43	5.0E-04	0.00	52.1	2.04	7	57.5	56.3	113.8	23.5	38	51.4	1.0	-0.20	8.4	27.2
25.59	5.0E-05	0.00	48.5	2.33	7	53.8	68.2	121.9	25.9	38	49.5	6.0	-0.21	11.3	32.4
25.75	5.0E-04	0.00	46.5	1.77	7	51.7	50.4	102.1	23.5	38	48.4	1.0	-0.17	7.5	24.4
25.92	5.0E-04	0.00	52.7	1.20	7	58.7	32.3	91.0	18.3	38	52.0	1.0	-0.14	5.5	24.6
26.08	5.0E-03	0.00	55.8	0.99	7	62.3	26.1	88.4	16.1	40	53.7	1.0	-0.13	3.5	18.7
26.25	5.0E-03	0.00	59.8	1.11	7	66.9	28.7	95.7	16.3	40	55.8	1.0	-0.15	3.8	20.2
26.41	5.0E-03	0.00	68.7	1.04	9	76.9	25.5	102.5	14.3	40	59.8	1.0	-0.16	3.5	22.3
26.57	5.0E-03	0.00	73.2	1.04	9	82.3	24.7	107.0	13.6	40	61.7	1.0	-0.16	3.4	23.5
26.74	5.0E-03	0.00	80.2	1.08	9	90.3	24.8	115.1	13.1	42	64.3	1.0	-0.17	3.4	25.5
26.90	5.0E-03	0.00	87.3	1.11	9	98.5	24.9	123.4	12.6	42	66.8	1.0	-0.18	3.5	27.6
27.07	5.0E-03	0.00	86.1	1.21	9	97.5	27.8	125.3	13.3	42	66.5	1.0	-0.19	3.8	27.7
27.23	5.0E-03	0.00	80.7	1.29	7	91.7	30.9	122.6	14.4	42	64.8	1.0	-0.19	4.2	26.6
39	5.0E-03	0.00	83.7	1.38	7	95.3	32.9	128.2	14.6	42	65.9	1.0	-0.20	4.5	27.8
56	5.0E-03	0.00	109.2	1.09	9	124.5	21.5	146.0	10.5	42	73.5	1.0	-0.20	3.1	33.5
72	5.0E-03	0.00	113.9	1.11	9	130.1	21.6	151.7	10.3	42	74.8	1.0	-0.21	3.1	34.9
27.89	5.0E-03	0.00	105.7	1.09	9	121.2	22.2	143.4	10.8	42	72.8	1.0	-0.20	3.2	32.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4682
CPT File: 315CP22.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-02	0.00	112.9	0.01	9	129.8	0.0	129.8	3.8	42	74.8	1.0	0.16	0.0	25.4
28.21	5.0E+00	0.00	158.2	0.01	10	182.1	0.0	182.1	3.0	44	84.5	1.0	0.16	0.0	29.7

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4726
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-23
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 17:58
CPT File: 315CP23.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	7.0	0.02	0.29	-1.1	1	74.5	0.01	0.01	0.00	2.00	3.3	6.7	0.56	0.00
0.33	10.0	0.02	0.20	-1.5	6	98.7	0.01	0.01	0.00	2.00	3.8	7.6	0.80	0.00
0.49	11.8	0.02	0.17	-1.0	6	98.7	0.02	0.02	0.00	2.00	4.5	9.1	0.94	0.00
0.66	14.8	0.02	0.14	-1.1	6	98.7	0.03	0.03	0.00	2.00	5.7	11.3	1.18	0.00
0.82	26.4	0.26	0.99	-0.9	7	98.7	0.04	0.04	0.00	2.00	8.4	16.9	UnDef	0.09
0.98	57.5	0.83	1.45	-0.6	7	98.7	0.05	0.05	0.00	2.00	18.4	36.7	UnDef	0.00
1.15	71.4	1.30	1.82	-0.6	7	98.7	0.05	0.05	0.00	2.00	22.8	45.6	UnDef	0.00
31	50.8	1.39	2.74	1.2	6	98.7	0.06	0.06	0.00	2.00	19.5	38.9	4.06	0.00
.48	36.0	0.98	2.73	-0.9	6	98.7	0.07	0.07	0.00	2.00	13.8	27.6	2.88	0.00
1.64	27.8	0.57	2.06	-1.3	6	98.7	0.08	0.08	0.00	2.00	10.6	21.3	2.22	0.10
1.80	20.0	0.30	1.50	-1.1	6	98.7	0.09	0.09	0.00	2.00	7.7	15.3	1.59	0.09
1.97	16.3	0.24	1.48	-1.2	6	98.7	0.09	0.09	0.00	2.00	6.2	12.5	1.30	0.08
2.13	15.7	0.18	1.15	-1.4	6	98.7	0.10	0.10	0.00	2.00	6.0	12.0	1.25	0.08
2.30	17.8	0.27	1.52	-1.6	6	98.7	0.11	0.11	0.00	2.00	6.8	13.6	1.42	0.09
2.46	20.9	0.38	1.82	-1.1	6	98.7	0.12	0.12	0.00	2.00	8.0	16.0	1.66	0.09
2.62	22.9	0.43	1.88	-1.3	6	98.7	0.13	0.13	0.00	2.00	8.8	17.6	1.82	0.09
2.79	21.8	0.43	1.98	-1.9	6	98.7	0.13	0.13	0.00	2.00	8.3	16.7	1.73	0.09
2.95	21.6	0.41	1.91	-4.0	6	98.7	0.14	0.14	0.00	2.00	8.3	16.5	1.71	0.09
3.12	19.9	0.37	1.86	-4.2	6	98.7	0.15	0.15	0.00	2.00	7.6	15.3	1.58	0.09
3.28	20.2	0.37	1.84	-3.2	6	98.7	0.16	0.16	0.00	2.00	7.7	15.5	1.60	0.09
3.44	14.7	0.29	1.98	-4.2	5	85.3	0.17	0.17	0.00	2.00	7.0	14.1	1.16	0.09
3.61	13.0	0.23	1.78	-1.9	5	85.3	0.17	0.17	0.00	2.00	6.2	12.4	1.02	0.09
3.77	13.3	0.20	1.50	-2.1	6	98.7	0.18	0.18	0.00	2.00	5.1	10.2	1.05	0.08
3.94	12.6	0.20	1.59	-1.7	5	85.3	0.19	0.19	0.00	2.00	6.0	12.0	0.99	0.08
4.10	11.8	0.21	1.79	-1.6	5	85.3	0.20	0.20	0.00	2.00	5.6	11.3	0.92	0.09
4.27	14.0	0.24	1.72	-1.7	5	85.3	0.20	0.20	0.00	2.00	6.7	13.4	1.10	0.09
4.43	17.2	0.29	1.69	-1.8	6	98.7	0.21	0.21	0.00	2.00	6.6	13.2	1.36	0.09
4.59	16.3	0.28	1.72	-2.5	6	98.7	0.22	0.22	0.00	2.00	6.2	12.5	1.28	0.09
4.76	13.2	0.24	1.83	-0.6	5	85.3	0.23	0.23	0.00	2.00	6.3	12.6	1.03	0.09
4.92	12.5	0.20	1.60	-1.0	5	85.3	0.23	0.23	0.00	2.00	6.0	12.0	0.98	0.09
5.09	13.5	0.25	1.86	1.4	5	85.3	0.24	0.24	0.00	2.00	6.5	12.9	1.06	0.09
5.25	13.6	0.25	1.84	3.5	5	85.3	0.25	0.25	0.00	2.00	6.5	13.0	1.07	0.09
5.41	17.0	0.27	1.60	7.4	6	98.7	0.25	0.25	0.00	1.98	6.5	12.9	1.34	0.09
5.58	18.2	0.31	1.71	12.9	6	98.7	0.26	0.26	0.00	1.95	7.0	13.6	1.44	0.10
5.74	19.3	0.31	1.61	17.7	6	98.7	0.27	0.27	0.00	1.92	7.4	14.2	1.52	0.10
5.91	17.8	0.32	1.80	24.9	6	98.7	0.28	0.28	0.00	1.90	6.8	12.9	1.40	0.10
6.07	18.7	0.34	1.83	27.0	6	98.7	0.29	0.29	0.00	1.87	7.1	13.3	1.47	0.10
6.23	17.9	0.32	1.79	27.0	6	98.7	0.29	0.29	0.00	1.84	6.9	12.6	1.41	0.10
.40	15.7	0.34	2.17	18.7	5	85.3	0.30	0.30	0.00	1.82	7.5	13.7	1.23	0.10
56	16.0	0.34	2.12	15.2	5	85.3	0.31	0.31	0.00	1.80	7.7	13.8	1.26	0.10
.73	19.5	0.37	1.90	20.3	6	98.7	0.32	0.32	0.00	1.78	7.5	13.3	1.54	0.10
6.89	20.3	0.37	1.83	14.7	6	98.7	0.32	0.32	0.00	1.75	7.8	13.6	1.59	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4726
CPT File: 315CP23.COR

›th (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	21.7	0.39	1.80	21.5	6	98.7	0.33	0.33	0.00	1.73	8.3	14.4	1.71	0.10
7.22	20.1	0.36	1.80	21.1	6	98.7	0.34	0.34	0.00	1.71	7.7	13.2	1.58	0.10
7.38	19.7	0.33	1.68	26.3	6	98.7	0.35	0.35	0.00	1.69	7.5	12.8	1.55	0.10
7.55	19.0	0.27	1.43	27.5	6	98.7	0.36	0.36	0.00	1.67	7.3	12.2	1.49	0.09
7.71	18.1	0.27	1.50	28.5	6	98.7	0.37	0.37	0.00	1.65	6.9	11.5	1.42	0.09
7.87	18.4	0.22	1.20	34.6	6	98.7	0.37	0.37	0.00	1.64	7.0	11.5	1.44	0.09
8.04	17.7	0.18	1.02	37.9	6	98.7	0.38	0.38	0.00	1.62	6.8	11.0	1.39	0.09
8.20	18.6	0.21	1.13	41.2	6	98.7	0.39	0.39	0.00	1.60	7.1	11.4	1.46	0.09
8.37	20.1	0.25	1.25	41.7	6	98.7	0.40	0.40	0.00	1.59	7.7	12.2	1.58	0.09
8.53	20.7	0.32	1.55	45.8	6	98.7	0.41	0.41	0.00	1.57	7.9	12.4	1.62	0.10
8.69	23.0	0.44	1.92	48.2	6	98.7	0.41	0.41	0.00	1.55	8.8	13.7	1.81	0.11
8.86	25.7	0.49	1.91	41.9	6	98.7	0.42	0.42	0.00	1.54	9.9	15.2	2.03	0.11
9.02	26.0	0.45	1.73	8.8	6	98.7	0.43	0.43	0.00	1.53	10.0	15.2	2.05	0.11
9.19	25.8	0.33	1.28	6.4	6	98.7	0.44	0.44	0.00	1.51	9.9	15.0	2.03	0.10
9.35	33.1	0.26	0.79	-1.3	7	98.7	0.45	0.45	0.00	1.50	10.6	15.8	UnDef	0.10
9.51	36.3	0.19	0.53	-3.3	7	98.7	0.45	0.45	0.00	1.48	11.6	17.2	UnDef	0.10
9.68	40.7	0.27	0.66	-3.5	7	98.7	0.46	0.46	0.00	1.47	13.0	19.1	UnDef	0.11
9.84	43.4	0.35	0.81	-3.6	7	98.7	0.47	0.47	0.00	1.46	13.9	20.2	UnDef	0.11
10.01	44.3	0.39	0.88	-3.7	7	98.7	0.48	0.48	0.00	1.45	14.1	20.5	UnDef	0.12
10.17	40.5	0.41	1.02	-3.9	7	98.7	0.49	0.49	0.00	1.43	12.9	18.5	UnDef	0.11
10.33	36.3	0.48	1.33	-3.7	7	98.7	0.49	0.49	0.00	1.42	11.6	16.5	UnDef	0.11
10.50	34.1	0.54	1.59	-3.4	6	98.7	0.50	0.50	0.00	1.41	13.1	18.4	2.69	0.12
10.66	29.9	0.61	2.05	-3.1	6	98.7	0.51	0.51	0.00	1.40	11.4	16.0	2.35	0.12
10.83	26.8	0.58	2.17	-2.6	6	98.7	0.52	0.52	0.00	1.39	10.3	14.3	2.10	0.12
10.99	24.1	0.51	2.12	0.8	6	98.7	0.53	0.53	0.00	1.38	9.2	12.7	1.88	0.12
11.15	24.7	0.40	1.62	6.3	6	98.7	0.54	0.54	0.00	1.37	9.5	12.9	1.93	0.10
11.32	29.7	0.34	1.15	6.3	7	98.7	0.54	0.54	0.00	1.36	9.5	12.9	UnDef	0.10
11.48	36.7	0.29	0.79	-2.5	7	98.7	0.55	0.55	0.00	1.35	11.7	15.8	UnDef	0.10
11.65	41.9	0.30	0.72	-3.3	7	98.7	0.56	0.56	0.00	1.34	13.4	17.9	UnDef	0.11
81	44.2	0.31	0.70	-3.5	7	98.7	0.57	0.57	0.00	1.33	14.1	18.7	UnDef	0.11
.97	45.1	0.36	0.80	-3.4	7	98.7	0.58	0.58	0.00	1.32	14.4	19.0	UnDef	0.11
12.14	47.2	0.36	0.76	-3.7	7	98.7	0.58	0.58	0.00	1.31	15.1	19.7	UnDef	0.11
12.30	46.7	0.35	0.75	-3.4	7	98.7	0.59	0.59	0.00	1.30	14.9	19.4	UnDef	0.11
12.47	45.7	0.35	0.77	-3.6	7	98.7	0.60	0.60	0.00	1.29	14.6	18.8	UnDef	0.11
12.63	47.4	0.33	0.70	-3.7	7	98.7	0.61	0.61	0.00	1.28	15.1	19.4	UnDef	0.11
12.80	47.4	0.34	0.72	-3.5	7	98.7	0.62	0.62	0.00	1.27	15.1	19.3	UnDef	0.11
12.96	57.2	0.40	0.70	-3.5	8	101.8	0.62	0.62	0.00	1.27	13.7	17.3	UnDef	0.13
13.12	71.1	0.53	0.75	-3.3	8	101.8	0.63	0.63	0.00	1.26	17.0	21.4	UnDef	0.16
13.29	77.9	0.64	0.82	-3.1	8	101.8	0.64	0.64	0.00	1.25	18.7	23.3	UnDef	0.18
13.45	86.0	0.69	0.80	-3.3	8	101.8	0.65	0.65	0.00	1.24	20.6	25.6	UnDef	0.21
13.62	77.8	0.68	0.88	-3.5	8	101.8	0.66	0.66	0.00	1.23	18.6	23.0	UnDef	0.18
13.78	55.5	0.61	1.10	-3.4	7	98.7	0.67	0.67	0.00	1.23	17.7	21.7	UnDef	0.14
13.94	44.5	0.73	1.64	-3.5	7	98.7	0.67	0.67	0.00	1.22	14.2	17.3	UnDef	0.14
14.11	36.8	0.74	2.02	-3.2	6	98.7	0.68	0.68	0.00	1.21	14.1	17.1	2.89	0.14
14.27	39.0	0.73	1.88	-1.9	6	98.7	0.69	0.69	0.00	1.20	14.9	18.0	3.07	0.14
14.44	53.6	0.56	1.05	-3.1	7	98.7	0.70	0.70	0.00	1.20	17.1	20.5	UnDef	0.13
14.60	60.5	0.51	0.85	-3.7	8	101.8	0.71	0.71	0.00	1.19	14.5	17.2	UnDef	0.13
14.76	61.6	0.57	0.93	-3.6	8	101.8	0.71	0.71	0.00	1.18	14.8	17.5	UnDef	0.14
14.93	66.8	0.57	0.86	-3.7	8	101.8	0.72	0.72	0.00	1.18	16.0	18.8	UnDef	0.15
15.09	62.1	0.55	0.89	-3.5	8	101.8	0.73	0.73	0.00	1.17	14.9	17.4	UnDef	0.14
15.26	57.6	0.64	1.11	-3.6	7	98.7	0.74	0.74	0.00	1.16	18.4	21.4	UnDef	0.14
15.42	55.9	0.61	1.09	-3.4	7	98.7	0.75	0.75	0.00	1.16	17.8	20.6	UnDef	0.13
15.58	52.2	0.75	1.44	-3.8	7	98.7	0.76	0.76	0.00	1.15	16.7	19.2	UnDef	0.14
15.75	45.2	0.84	1.86	-2.7	7	98.7	0.76	0.76	0.00	1.14	14.4	16.5	UnDef	0.15
15.91	41.1	0.99	2.41	-2.5	6	98.7	0.77	0.77	0.00	1.14	15.8	17.9	3.23	0.18
16.08	33.8	0.85	2.52	-1.3	6	98.7	0.78	0.78	0.00	1.13	12.9	14.7	2.64	0.19
16.24	33.2	0.72	2.17	1.4	6	98.7	0.79	0.79	0.00	1.13	12.7	14.3	2.60	0.15
16.40	38.2	0.73	1.92	2.1	6	98.7	0.80	0.80	0.00	1.12	14.6	16.4	2.99	0.14
16.57	35.6	0.75	2.11	0.6	6	98.7	0.80	0.80	0.00	1.11	13.7	15.2	2.79	0.15
16.73	33.1	0.75	2.27	4.3	6	98.7	0.81	0.81	0.00	1.11	12.7	14.0	2.58	0.17
90	33.3	0.68	2.05	8.4	6	98.7	0.82	0.82	0.00	1.10	12.7	14.1	2.60	0.15
06	35.0	0.67	1.92	9.4	6	98.7	0.83	0.83	0.00	1.10	13.4	14.7	2.74	0.14
.22	32.3	0.60	1.86	9.1	6	98.7	0.84	0.84	0.00	1.09	12.4	13.5	2.52	0.14
17.39	29.6	0.55	1.86	13.1	6	98.7	0.85	0.85	0.00	1.09	11.4	12.4	2.30	0.14

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4726
CPT File: 315CP23.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	32.2	0.53	1.65	15.7	6	98.7	0.85	0.85	0.00	1.08	12.3	13.4	2.51	0.12
17.72	33.2	0.55	1.66	13.6	6	98.7	0.86	0.86	0.00	1.08	12.7	13.7	2.58	0.13
17.88	34.4	0.61	1.78	12.2	6	98.7	0.87	0.87	0.00	1.07	13.2	14.1	2.68	0.13
18.04	35.9	0.59	1.65	11.8	6	98.7	0.88	0.88	0.00	1.07	13.7	14.7	2.80	0.13
18.21	36.8	0.64	1.74	6.4	6	98.7	0.89	0.89	0.00	1.06	14.1	15.0	2.88	0.13
18.37	37.1	0.67	1.81	2.0	6	98.7	0.89	0.89	0.00	1.06	14.2	15.0	2.90	0.14
18.54	38.4	0.62	1.62	2.8	7	98.7	0.90	0.90	0.00	1.05	12.3	12.9	UnDef	0.13
18.70	39.7	0.51	1.29	2.1	7	98.7	0.91	0.91	0.00	1.05	12.7	13.3	UnDef	0.12
18.86	41.8	0.53	1.27	-1.5	7	98.7	0.92	0.92	0.00	1.04	13.3	13.9	UnDef	0.12
19.03	42.5	0.52	1.23	-1.1	7	98.7	0.93	0.93	0.00	1.04	13.6	14.1	UnDef	0.12
19.19	44.3	0.53	1.20	-1.1	7	98.7	0.93	0.93	0.00	1.03	14.2	14.6	UnDef	0.12
19.36	42.5	0.54	1.27	-2.6	7	98.7	0.94	0.94	0.00	1.03	13.6	14.0	UnDef	0.12
19.52	38.0	0.56	1.48	-2.6	7	98.7	0.95	0.95	0.00	1.03	12.1	12.4	UnDef	0.12
19.68	32.8	0.63	1.93	-1.9	6	98.7	0.96	0.96	0.00	1.02	12.5	12.8	2.54	0.16
19.85	29.8	0.62	2.08	-0.2	6	98.7	0.97	0.97	0.00	1.02	11.4	11.6	2.31	0.19
20.01	29.9	0.57	1.91	7.2	6	98.7	0.97	0.97	0.00	1.01	11.4	11.6	2.31	0.17
20.18	29.6	0.52	1.76	15.8	6	98.7	0.98	0.98	0.00	1.01	11.3	11.4	2.29	0.15
20.34	26.7	0.48	1.80	24.0	6	98.7	0.99	0.99	0.00	1.00	10.2	10.3	2.06	0.17
20.51	27.5	0.47	1.71	29.1	6	98.7	1.00	1.00	0.00	1.00	10.5	10.5	2.12	0.15
20.67	27.9	0.43	1.54	33.0	6	98.7	1.01	1.01	0.00	1.00	10.7	10.7	2.15	0.13
20.83	26.6	0.44	1.66	38.8	6	98.7	1.02	1.02	0.00	0.99	10.2	10.1	2.05	0.15
21.00	28.2	0.42	1.49	41.2	6	98.7	1.02	1.02	0.00	0.99	10.8	10.7	2.17	0.13
21.16	29.9	0.44	1.48	42.5	6	98.7	1.03	1.03	0.00	0.98	11.5	11.3	2.31	0.13
21.33	25.1	0.41	1.64	34.3	6	98.7	1.04	1.04	0.00	0.98	9.6	9.4	1.92	0.17
21.49	24.2	0.38	1.57	36.9	6	98.7	1.05	1.05	0.00	0.98	9.3	9.1	1.85	0.17
21.65	30.3	0.39	1.29	36.0	6	98.7	1.06	1.06	0.00	0.97	11.6	11.3	2.34	0.12
21.82	29.0	0.53	1.83	9.0	6	98.7	1.06	1.06	0.00	0.97	11.1	10.8	2.24	0.18
21.98	29.3	0.61	2.09	13.7	6	98.7	1.07	1.07	0.00	0.97	11.2	10.9	2.26	0.25
22.15	34.8	0.62	1.78	20.0	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.70	0.16
.31	34.1	0.64	1.88	15.1	6	98.7	1.09	1.09	0.00	0.96	13.1	12.5	2.64	0.17
.47	33.7	0.65	1.93	15.1	6	98.7	1.10	1.10	0.00	0.96	12.9	12.3	2.61	0.18
22.64	35.7	0.66	1.85	16.0	6	98.7	1.10	1.10	0.00	0.95	13.7	13.0	2.77	0.17
22.80	35.1	0.67	1.92	9.9	6	98.7	1.11	1.11	0.00	0.95	13.4	12.7	2.72	0.18
22.97	31.1	0.64	2.06	10.4	6	98.7	1.12	1.12	0.00	0.94	11.9	11.3	2.40	0.25
23.13	28.2	0.52	1.85	12.7	6	98.7	1.13	1.13	0.00	0.94	10.8	10.2	2.17	0.23
23.29	32.7	0.47	1.44	13.9	6	98.7	1.14	1.14	0.00	0.94	12.5	11.8	2.53	0.13
23.46	44.9	0.43	0.96	5.9	7	98.7	1.14	1.14	0.00	0.93	14.3	13.4	UnDef	0.11
23.62	56.3	0.55	0.98	-0.4	7	98.7	1.15	1.15	0.00	0.93	18.0	16.7	UnDef	0.12
23.79	74.7	0.58	0.78	-1.8	8	101.8	1.16	1.16	0.00	0.93	17.9	16.6	UnDef	0.14
23.95	72.7	0.56	0.77	-3.1	8	101.8	1.17	1.17	0.00	0.92	17.4	16.1	UnDef	0.14
24.11	68.2	0.60	0.88	-3.7	8	101.8	1.18	1.18	0.00	0.92	16.3	15.1	UnDef	0.14
24.28	67.3	0.85	1.27	-3.5	7	98.7	1.19	1.19	0.00	0.92	21.5	19.7	UnDef	0.16
24.44	58.2	1.25	2.15	-2.5	6	98.7	1.19	1.19	0.00	0.92	22.3	20.4	4.56	0.22
24.61	50.9	1.39	2.74	-2.1	6	98.7	1.20	1.20	0.00	0.91	19.5	17.8	3.98	0.34
24.77	47.6	1.23	2.59	-0.4	6	98.7	1.21	1.21	0.00	0.91	18.2	16.6	3.71	0.31
24.93	41.0	1.07	2.62	-0.7	6	98.7	1.22	1.22	0.00	0.91	15.7	14.2	3.18	0.40
25.10	38.4	0.65	1.70	-0.6	6	98.7	1.23	1.23	0.00	0.90	14.7	13.3	2.97	0.16
25.26	53.4	0.70	1.31	1.1	7	98.7	1.23	1.23	0.00	0.90	17.1	15.3	UnDef	0.14
25.43	96.4	0.92	0.96	-4.1	8	101.8	1.24	1.24	0.00	0.90	23.1	20.7	UnDef	0.19
25.59	123.4	0.02	0.02	-3.7	9	101.8	1.25	1.25	0.00	0.89	23.6	21.1	UnDef	0.20
25.75	174.4	0.02	0.01	-3.9	9	101.8	1.26	1.26	0.00	0.89	33.4	29.8	UnDef	0.41

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4726
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-23
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 17:58
CPT File: 315CP23.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	1000.0	0.29	10	13.3	0.0	13.3	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.7
0.33	5.0E-05	0.00	752.8	0.20	10	19.1	0.0	19.1	0.0	50	62.5	10.0	-0.23	0.0	7.6
0.49	5.0E-05	0.00	553.6	0.17	10	22.6	0.0	22.6	0.0	50	60.6	10.0	-0.19	0.0	9.1
0.66	5.0E-05	0.00	500.8	0.14	10	28.3	0.0	28.3	0.0	48	62.3	10.0	-0.16	0.0	11.3
0.82	5.0E-04	0.00	704.3	0.99	9	50.6	0.0	50.6	1.1	50	75.6	1.0	-0.37	0.0	16.9
0.98	5.0E-04	0.00	1000.0	1.45	12	110.1	UnDef	UnDef	0.0	50	95.0	1.0	-0.46	UnDef	UnDef
1.15	5.0E-04	0.00	1000.0	1.83	12	136.8	UnDef	UnDef	0.0	50	95.0	1.0	-0.50	UnDef	UnDef
1.31	5.0E-05	0.00	821.3	2.75	12	97.3	UnDef	UnDef	0.0	50	87.1	10.0	-0.57	UnDef	UnDef
48	5.0E-05	0.00	514.7	2.73	12	69.0	UnDef	UnDef	0.0	48	75.5	10.0	-0.51	UnDef	UnDef
.64	5.0E-05	0.00	355.4	2.06	9	53.2	4.4	57.6	7.9	48	66.5	10.0	-0.41	1.1	22.4
1.80	5.0E-05	0.00	231.4	1.51	9	38.3	3.1	41.4	7.8	46	55.7	10.0	-0.31	0.7	16.1
1.97	5.0E-05	0.00	172.0	1.49	9	31.2	4.2	35.4	9.5	44	48.5	10.0	-0.28	1.0	13.5
2.13	5.0E-05	0.00	152.7	1.16	9	30.1	3.1	33.2	8.5	44	46.3	10.0	-0.24	0.7	12.8
2.30	5.0E-05	0.00	160.5	1.53	9	34.1	5.4	39.6	10.1	44	48.8	10.0	-0.28	1.3	14.9
2.46	5.0E-05	0.00	175.4	1.83	9	40.0	7.6	47.6	11.0	44	52.3	10.0	-0.31	1.8	17.8
2.62	5.0E-05	0.00	180.3	1.89	9	43.9	8.5	52.4	11.1	44	54.1	10.0	-0.32	2.0	19.5
2.79	5.0E-05	0.00	160.8	1.99	9	41.7	10.1	51.8	12.3	44	51.7	10.0	-0.32	2.3	19.0
2.95	5.0E-05	-0.01	150.2	1.92	9	41.3	10.3	51.6	12.5	44	50.6	10.0	-0.30	2.4	18.9
3.12	5.0E-05	-0.01	131.0	1.88	7	38.1	11.0	49.1	13.4	44	47.5	10.0	-0.29	2.5	17.7
3.28	5.0E-05	0.00	126.0	1.85	7	38.6	11.4	50.1	13.6	44	47.1	10.0	-0.28	2.6	18.0
3.44	5.0E-06	-0.01	87.2	2.00	7	28.1	14.3	42.4	17.6	UnDef	UnDef	10.0	UnDef	3.7	17.8
3.61	5.0E-06	0.00	73.7	1.80	7	24.8	13.6	38.5	18.3	UnDef	UnDef	10.0	UnDef	3.5	16.0
3.77	5.0E-05	-0.01	72.7	1.52	7	25.6	11.8	37.4	16.9	40	33.4	10.0	-0.20	2.5	12.7
3.94	5.0E-06	0.00	65.7	1.62	7	24.1	13.6	37.6	18.5	UnDef	UnDef	10.0	UnDef	3.5	15.5
4.10	5.0E-06	0.00	59.1	1.82	7	22.5	16.5	39.0	20.8	UnDef	UnDef	10.0	UnDef	4.0	15.3
4.27	5.0E-06	0.00	68.1	1.75	7	26.8	15.7	42.5	18.8	UnDef	UnDef	10.0	UnDef	4.0	17.4
4.43	5.0E-05	0.00	80.8	1.71	7	32.9	15.3	48.2	16.9	42	38.5	10.0	-0.22	3.3	16.4
4.59	5.0E-05	0.00	73.6	1.75	7	31.2	16.6	47.8	18.0	40	36.4	10.0	-0.22	3.5	15.9
4.76	5.0E-06	0.00	57.3	1.86	7	25.2	19.6	44.8	21.4	UnDef	UnDef	10.0	UnDef	4.8	17.4
4.92	5.0E-06	0.00	52.8	1.63	7	24.0	18.0	42.0	21.1	UnDef	UnDef	10.0	UnDef	4.4	16.4
5.09	5.0E-06	0.00	55.3	1.89	7	25.8	21.5	47.3	22.0	UnDef	UnDef	10.0	UnDef	5.1	18.0
5.25	5.0E-06	0.01	54.2	1.87	7	26.1	22.0	48.1	22.1	UnDef	UnDef	10.0	UnDef	5.2	18.3
5.41	5.0E-05	0.01	65.7	1.62	7	32.5	18.3	50.8	18.5	40	35.4	10.0	-0.19	3.7	16.6
5.58	5.0E-05	0.02	68.4	1.73	7	34.8	20.0	54.8	18.7	40	37.0	10.0	-0.20	4.0	17.7
5.74	5.0E-05	0.03	70.4	1.63	7	36.3	18.9	55.3	17.8	40	38.3	10.0	-0.20	3.9	18.1
5.91	5.0E-05	0.04	63.0	1.83	7	33.0	22.4	55.4	20.1	40	35.5	10.0	-0.20	4.4	17.3
6.07	5.0E-05	0.05	64.1	1.86	7	34.1	23.0	57.1	20.1	40	36.4	10.0	-0.20	4.5	17.8
6.23	5.0E-05	0.05	59.7	1.82	7	32.3	23.3	55.6	20.7	40	34.8	10.0	-0.19	4.5	17.1
6.40	5.0E-06	0.04	51.1	2.21	7	28.0	30.9	58.9	24.7	UnDef	UnDef	10.0	UnDef	6.7	20.4
.56	5.0E-06	0.03	50.9	2.17	7	28.2	30.6	58.8	24.5	UnDef	UnDef	10.0	UnDef	6.7	20.5
73	5.0E-05	0.03	60.6	1.93	7	33.9	25.7	59.6	21.1	40	36.3	10.0	-0.20	4.9	18.2
.89	5.0E-05	0.02	61.4	1.86	7	34.8	24.8	59.6	20.6	40	37.0	10.0	-0.20	4.8	18.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4726
CPT File: 315CP23.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.03	64.2	1.83	7	36.8	24.4	61.2	19.9	40	38.6	10.0	-0.20	4.8	19.2
7.22	5.0E-05	0.03	57.9	1.83	7	33.7	25.3	59.0	21.1	40	36.1	10.0	-0.19	4.8	18.0
7.38	5.0E-05	0.04	55.3	1.71	7	32.6	24.2	56.8	21.0	40	35.1	10.0	-0.18	4.6	17.4
7.55	5.0E-05	0.05	52.1	1.45	7	31.1	21.0	52.1	20.1	38	33.8	10.0	-0.15	4.1	16.3
7.71	5.0E-05	0.05	48.5	1.53	7	29.3	22.9	52.2	21.4	38	32.1	6.0	-0.15	4.3	15.8
7.87	5.0E-05	0.06	48.2	1.23	7	29.4	18.6	48.0	19.5	38	32.2	6.0	-0.13	3.7	15.2
8.04	5.0E-05	0.07	45.5	1.04	7	28.1	16.4	44.5	18.8	38	30.9	6.0	-0.11	3.3	14.3
8.20	5.0E-05	0.07	46.7	1.16	7	29.1	18.1	47.3	19.4	38	31.9	6.0	-0.12	3.6	15.0
8.37	5.0E-05	0.07	49.6	1.27	7	31.2	19.7	50.9	19.5	38	33.9	6.0	-0.14	3.9	16.1
8.53	5.0E-05	0.07	49.9	1.58	7	31.7	24.8	56.6	21.4	38	34.4	6.0	-0.16	4.7	17.1
8.69	5.0E-05	0.07	54.6	1.95	7	35.0	30.6	65.6	22.5	40	37.2	10.0	-0.19	5.6	19.4
8.86	5.0E-05	0.05	60.0	1.94	7	38.8	29.8	68.6	21.3	40	40.1	10.0	-0.20	5.7	20.9
9.02	5.0E-05	0.01	59.6	1.76	7	38.9	27.1	66.0	20.4	40	40.2	10.0	-0.19	5.3	20.5
9.19	5.0E-05	0.01	58.0	1.30	7	38.2	20.1	58.3	17.9	40	39.7	10.0	-0.16	4.1	19.1
9.35	5.0E-04	0.00	73.3	0.80	9	48.6	10.8	59.4	11.8	40	46.6	1.0	-0.14	2.0	17.9
9.51	5.0E-04	0.00	78.8	0.53	9	52.7	6.1	58.8	8.9	42	48.9	1.0	-0.11	1.2	18.4
9.68	5.0E-04	0.00	87.1	0.67	9	58.6	7.6	66.3	9.3	42	52.0	1.0	-0.14	1.5	20.6
9.84	5.0E-04	0.00	91.3	0.82	9	61.9	9.7	71.7	10.1	42	53.5	1.0	-0.16	1.9	22.1
10.01	5.0E-04	0.00	91.6	0.89	9	62.7	11.0	73.7	10.6	42	53.9	1.0	-0.17	2.1	22.6
10.17	5.0E-04	0.00	82.2	1.03	9	56.8	14.3	71.0	12.5	42	51.1	1.0	-0.17	2.7	21.2
10.33	5.0E-04	0.00	72.3	1.34	7	50.5	20.5	71.0	15.8	40	47.7	1.0	-0.18	3.6	20.1
10.50	5.0E-05	0.00	66.8	1.61	7	47.1	25.8	72.9	18.3	40	45.7	10.0	-0.20	5.2	23.7
10.66	5.0E-05	0.00	57.5	2.08	7	40.9	36.1	77.0	22.5	40	41.7	10.0	-0.21	6.6	22.6
10.83	5.0E-05	0.00	50.7	2.21	7	36.4	40.7	77.1	24.8	38	38.3	10.0	-0.20	7.0	21.3
10.99	5.0E-05	0.00	44.7	2.17	7	32.5	42.3	74.8	26.2	38	35.0	6.0	-0.19	7.0	19.7
11.15	5.0E-05	0.01	45.1	1.66	7	33.0	31.1	64.1	23.2	38	35.5	6.0	-0.16	5.6	18.6
11.32	5.0E-04	0.01	53.7	1.17	7	39.5	20.5	60.0	17.8	40	40.6	1.0	-0.14	3.5	16.4
11.48	5.0E-04	0.00	65.6	0.80	9	48.4	13.0	61.4	12.9	40	46.5	1.0	-0.13	2.4	18.2
11.65	5.0E-04	0.00	73.9	0.73	9	54.8	10.9	65.7	11.2	40	50.0	1.0	-0.13	2.1	19.9
81	5.0E-04	0.00	76.9	0.71	9	57.4	10.3	67.7	10.7	40	51.4	1.0	-0.13	2.0	20.7
.97	5.0E-04	0.00	77.3	0.81	9	58.1	12.1	70.3	11.5	40	51.7	1.0	-0.14	2.3	21.3
12.14	5.0E-04	0.00	79.8	0.77	9	60.4	11.3	71.7	10.9	42	52.8	1.0	-0.14	2.2	21.9
12.30	5.0E-04	0.00	77.9	0.76	9	59.4	11.3	70.7	11.0	40	52.3	1.0	-0.14	2.2	21.5
12.47	5.0E-04	0.00	75.1	0.78	9	57.7	12.0	69.7	11.5	40	51.5	1.0	-0.14	2.3	21.1
12.63	5.0E-04	0.00	76.9	0.71	9	59.5	10.6	70.1	10.7	40	52.4	1.0	-0.13	2.0	21.4
12.80	5.0E-04	0.00	75.9	0.73	9	59.1	11.2	70.3	11.0	40	52.2	1.0	-0.13	2.1	21.4
12.96	5.0E-03	0.00	90.5	0.71	9	70.8	9.2	80.0	9.3	42	57.4	1.0	-0.15	1.3	18.7
13.12	5.0E-03	0.00	111.4	0.75	9	87.5	7.8	95.3	8.1	42	63.5	1.0	-0.17	1.2	22.6
13.29	5.0E-03	0.00	120.5	0.83	9	95.2	8.4	103.7	8.0	42	65.9	1.0	-0.19	1.2	24.5
13.45	5.0E-03	0.00	131.5	0.81	9	104.5	6.8	111.3	7.3	44	68.5	1.0	-0.19	1.0	26.6
13.62	5.0E-03	0.00	117.3	0.88	9	93.9	10.0	103.9	8.6	42	65.5	1.0	-0.19	1.5	24.4
13.78	5.0E-04	0.00	82.3	1.12	9	66.5	18.4	84.9	13.1	42	55.6	1.0	-0.18	3.4	25.1
13.94	5.0E-04	0.00	65.0	1.67	7	53.1	31.3	84.3	18.9	40	49.1	1.0	-0.20	5.2	22.5
14.11	5.0E-05	0.00	52.9	2.05	7	43.6	42.1	85.7	23.4	40	43.5	10.0	-0.20	7.6	24.6
14.27	5.0E-05	0.00	55.5	1.91	7	46.0	38.4	84.3	22.0	40	45.0	10.0	-0.20	7.2	25.1
14.44	5.0E-04	0.00	75.7	1.06	9	62.7	18.5	81.2	13.5	40	53.9	1.0	-0.17	3.4	23.9
14.60	5.0E-03	0.00	84.6	0.86	9	70.4	13.5	83.9	11.0	42	57.2	1.0	-0.16	1.9	19.2
14.76	5.0E-03	0.00	85.2	0.94	9	71.3	15.2	86.5	11.6	42	57.6	1.0	-0.17	2.1	19.6
14.93	5.0E-03	0.00	91.4	0.86	9	76.9	13.0	89.9	10.4	42	59.7	1.0	-0.17	1.9	20.7
15.09	5.0E-03	0.00	83.9	0.90	9	71.1	14.7	85.7	11.4	42	57.5	1.0	-0.16	2.1	19.5
15.26	5.0E-04	0.00	76.9	1.13	9	65.5	20.2	85.8	13.8	40	55.2	1.0	-0.17	3.7	25.1
15.42	5.0E-04	0.00	73.7	1.11	9	63.2	20.3	83.5	14.1	40	54.1	1.0	-0.17	3.7	24.3
15.58	5.0E-04	0.00	68.1	1.46	7	58.8	28.3	87.1	17.2	40	52.0	1.0	-0.19	4.9	24.1
15.75	5.0E-04	0.00	58.2	1.89	7	50.6	39.5	90.1	21.4	40	47.8	1.0	-0.20	6.2	22.7
15.91	5.0E-05	0.00	52.3	2.46	7	45.8	56.0	101.8	25.6	38	44.9	10.0	-0.22	9.4	27.3
16.08	5.0E-05	0.00	42.3	2.58	7	37.4	66.9	104.4	29.0	38	39.1	6.0	-0.20	9.8	24.5
16.24	5.0E-05	0.00	41.1	2.22	7	36.6	55.8	92.4	27.6	38	38.5	6.0	-0.18	8.7	23.0
16.40	5.0E-05	0.00	47.0	1.96	7	41.9	44.9	86.8	24.4	38	42.3	6.0	-0.18	7.8	24.3
16.57	5.0E-05	0.00	43.3	2.16	7	38.9	52.7	91.6	26.6	38	40.2	6.0	-0.18	8.6	23.8
16.73	5.0E-05	0.00	39.7	2.33	7	35.9	61.7	97.6	28.7	38	37.9	6.0	-0.18	9.2	23.2
.90	5.0E-05	0.01	39.5	2.10	7	35.9	54.1	90.0	27.5	38	37.9	6.0	-0.17	8.5	22.5
06	5.0E-05	0.01	41.3	1.96	7	37.7	48.8	86.4	26.1	38	39.3	6.0	-0.17	8.0	22.8
.22	5.0E-05	0.01	37.6	1.91	7	34.6	49.9	84.5	27.1	38	36.8	6.0	-0.15	7.9	21.5
17.39	5.0E-05	0.01	34.1	1.91	7	31.6	53.5	85.1	28.6	36	34.2	6.0	-0.14	8.0	20.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4726
CPT File: 315CP23.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	36.7	1.69	7	34.1	44.2	78.3	26.1	38	36.5	6.0	-0.14	7.3	20.6
17.72	5.0E-05	0.01	37.5	1.71	7	35.0	44.3	79.3	25.9	38	37.2	6.0	-0.14	7.4	21.0
17.88	5.0E-05	0.01	38.6	1.82	7	36.1	47.3	83.5	26.2	38	38.1	6.0	-0.15	7.8	21.9
18.04	5.0E-05	0.01	39.9	1.69	7	37.5	42.8	80.3	25.0	38	39.2	6.0	-0.15	7.3	22.0
18.21	5.0E-05	0.01	40.6	1.78	7	38.3	45.4	83.7	25.3	38	39.8	6.0	-0.15	7.7	22.7
18.37	5.0E-05	0.00	40.5	1.85	7	38.4	47.7	86.2	25.7	38	39.9	6.0	-0.16	8.0	23.0
18.54	5.0E-04	0.00	41.6	1.66	7	39.6	41.7	81.3	24.2	38	40.7	1.0	-0.15	6.1	19.0
18.70	5.0E-04	0.00	42.7	1.32	7	40.8	32.6	73.3	21.6	38	41.6	1.0	-0.13	5.1	18.4
18.86	5.0E-04	0.00	44.5	1.30	7	42.7	31.8	74.5	21.0	38	42.9	1.0	-0.13	5.1	19.0
19.03	5.0E-04	0.00	44.9	1.25	7	43.3	30.7	73.9	20.5	38	43.3	1.0	-0.13	4.9	19.1
19.19	5.0E-04	0.00	46.5	1.22	7	44.9	29.7	74.6	19.9	38	44.3	1.0	-0.13	4.9	19.5
19.36	5.0E-04	0.00	44.1	1.30	7	42.8	32.4	75.2	21.1	38	43.0	1.0	-0.13	5.2	19.1
19.52	5.0E-04	0.00	39.0	1.52	7	38.1	40.0	78.1	24.2	38	39.7	1.0	-0.13	5.9	18.3
19.68	5.0E-05	0.00	33.2	1.99	7	32.7	61.1	93.8	29.4	36	35.3	6.0	-0.14	8.8	21.6
19.85	5.0E-05	0.00	29.9	2.15	6	29.7	76.3	105.9	32.0	36	32.5	6.0	-0.14	9.5	21.1
20.01	5.0E-05	0.01	29.6	1.98	7	29.6	67.6	97.2	31.1	36	32.4	6.0	-0.13	8.9	20.5
20.18	5.0E-05	0.02	29.1	1.82	7	29.2	61.4	90.6	30.4	36	32.0	6.0	-0.12	8.4	19.8
20.34	5.0E-05	0.03	26.0	1.87	6	26.3	72.3	98.6	32.5	34	30.0	6.0	-0.11	8.7	19.0
20.51	5.0E-05	0.03	26.5	1.78	7	26.9	65.8	92.7	31.6	36	30.0	6.0	-0.11	8.4	18.9
20.67	5.0E-05	0.04	26.7	1.60	7	27.2	56.4	83.6	30.2	36	30.0	6.0	-0.10	7.8	18.4
20.83	5.0E-05	0.05	25.2	1.72	7	25.9	66.9	92.7	32.0	34	30.0	6.0	-0.10	8.3	18.4
21.00	5.0E-05	0.05	26.5	1.55	7	27.3	54.9	82.2	30.0	36	30.0	6.0	-0.09	7.7	18.3
21.16	5.0E-05	0.05	28.0	1.53	7	28.8	51.6	80.4	29.0	36	31.6	6.0	-0.10	7.6	18.8
21.33	5.0E-05	0.04	23.1	1.71	6	24.1	75.2	99.3	33.4	34	30.0	6.0	-0.09	8.5	17.9
21.49	5.0E-05	0.05	22.1	1.65	6	23.1	75.8	99.0	33.7	34	30.0	6.0	-0.08	8.3	17.4
21.65	5.0E-05	0.04	27.7	1.34	7	28.9	44.9	73.7	27.8	36	31.7	6.0	-0.09	6.9	18.3
21.82	5.0E-05	0.01	26.3	1.90	6	27.6	75.8	103.4	32.5	34	30.3	6.0	-0.11	9.1	19.9
21.98	5.0E-05	0.02	26.4	2.16	6	27.7	95.5	123.2	34.0	34	30.5	6.0	-0.13	10.2	21.1
22.15	5.0E-05	0.02	31.3	1.84	7	32.8	61.3	94.1	29.4	36	35.3	6.0	-0.13	8.8	21.7
31	5.0E-05	0.01	30.4	1.94	7	32.0	68.0	100.0	30.5	36	34.6	6.0	-0.13	9.3	21.8
.47	5.0E-05	0.01	29.8	2.00	7	31.5	72.4	103.9	31.1	36	34.2	6.0	-0.13	9.5	21.9
22.64	5.0E-05	0.01	31.4	1.91	7	33.3	65.1	98.4	29.8	36	35.7	6.0	-0.13	9.2	22.2
22.80	5.0E-05	0.01	30.5	1.98	7	32.5	70.3	102.8	30.6	36	35.1	6.0	-0.13	9.5	22.2
22.97	5.0E-05	0.01	26.8	2.14	6	28.7	93.5	122.3	33.6	36	31.5	6.0	-0.13	10.3	21.6
23.13	5.0E-05	0.01	24.0	1.92	6	26.0	91.0	117.0	34.1	34	30.0	6.0	-0.10	9.6	19.8
23.29	5.0E-05	0.01	27.8	1.49	7	30.0	53.0	83.0	28.9	36	32.8	6.0	-0.10	7.8	19.6
23.46	5.0E-04	0.00	38.3	0.98	7	41.1	29.0	70.1	20.5	38	41.8	1.0	-0.09	4.7	18.1
23.62	5.0E-04	0.00	47.8	1.00	7	51.3	26.9	78.2	17.9	38	48.1	1.0	-0.12	4.6	21.3
23.79	5.0E-03	0.00	63.4	0.79	9	67.9	18.9	86.8	13.2	40	56.2	1.0	-0.12	2.6	19.2
23.95	5.0E-03	0.00	61.2	0.78	9	65.8	19.2	85.0	13.5	40	55.3	1.0	-0.12	2.7	18.8
24.11	5.0E-03	0.00	56.9	0.90	9	61.5	22.8	84.3	15.1	40	53.3	1.0	-0.12	3.1	18.1
24.28	5.0E-04	0.00	55.8	1.29	7	60.5	33.1	93.6	18.2	40	52.9	1.0	-0.16	5.6	25.3
24.44	5.0E-05	0.00	47.8	2.20	7	52.2	62.7	114.9	25.4	38	48.6	6.0	-0.20	10.6	31.0
24.61	5.0E-05	0.00	41.3	2.80	6	45.4	95.6	141.0	30.4	38	44.7	6.0	-0.21	13.1	30.9
24.77	5.0E-05	0.00	38.3	2.66	6	42.3	93.8	136.1	30.8	38	42.6	6.0	-0.20	12.6	29.1
24.93	5.0E-05	0.00	32.7	2.70	6	36.4	114.2	150.6	33.4	36	38.3	6.0	-0.18	12.8	27.1
25.10	5.0E-05	0.00	30.3	1.75	7	33.9	62.9	96.8	29.3	36	36.3	6.0	-0.12	9.1	22.4
25.26	5.0E-04	0.00	42.3	1.34	7	47.0	38.9	85.9	22.0	38	45.7	1.0	-0.13	6.1	21.4
25.43	5.0E-03	0.00	76.6	0.97	9	84.6	22.1	106.7	12.8	40	62.5	1.0	-0.16	3.1	23.8
25.59	5.0E-02	0.00	97.6	0.02	9	108.0	0.0	108.0	4.1	42	69.5	1.0	0.16	0.0	21.1
25.75	5.0E-02	0.00	137.5	0.01	10	152.1	0.0	152.1	3.0	44	79.3	1.0	0.16	0.0	29.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4765
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-24
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 17:31
CPT File: 315CP24.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.2	0.11	2.10	0.0	4	79.6	0.01	0.01	0.00	2.00	3.3	6.7	0.42	0.00
0.33	10.2	0.24	2.37	-0.7	5	85.3	0.01	0.01	0.00	2.00	4.9	9.7	0.81	0.00
0.49	21.9	0.40	1.83	-7.9	6	98.7	0.02	0.02	0.00	2.00	8.4	16.8	1.75	0.00
0.66	47.1	0.84	1.79	-0.1	7	98.7	0.03	0.03	0.00	2.00	15.0	30.1	UnDef	0.00
0.82	76.7	1.72	2.25	0.3	7	98.7	0.04	0.04	0.00	2.00	24.5	48.9	UnDef	0.00
0.98	94.7	1.47	1.56	-0.4	7	98.7	0.05	0.05	0.00	2.00	30.2	60.5	UnDef	0.00
1.15	82.1	1.17	1.43	-1.7	7	98.7	0.05	0.05	0.00	2.00	26.2	52.4	UnDef	0.00
.31	66.2	0.79	1.20	-0.7	7	98.7	0.06	0.06	0.00	2.00	21.1	42.3	UnDef	0.27
.48	58.6	0.79	1.35	-0.1	7	98.7	0.07	0.07	0.00	2.00	18.7	37.4	UnDef	0.21
1.64	50.2	0.86	1.72	0.0	7	98.7	0.08	0.08	0.00	2.00	16.0	32.1	UnDef	0.00
1.80	39.6	1.18	2.99	0.0	5	85.3	0.09	0.09	0.00	2.00	19.0	37.9	3.16	0.00
1.97	28.7	1.15	4.01	-0.1	4	79.6	0.09	0.09	0.00	2.00	18.4	36.7	2.29	0.00
2.13	20.4	0.99	4.85	1.6	3	74.5	0.10	0.10	0.00	2.00	19.6	39.2	1.63	0.00
2.30	20.1	0.71	3.54	-0.8	4	79.6	0.10	0.10	0.00	2.00	12.8	25.7	1.60	0.00
2.46	18.3	0.57	3.13	0.0	5	85.3	0.11	0.11	0.00	2.00	8.8	17.5	1.45	0.00
2.62	17.0	0.54	3.19	0.0	5	85.3	0.12	0.12	0.00	2.00	8.1	16.3	1.35	0.00
2.79	16.0	0.58	3.64	-0.1	4	79.6	0.12	0.12	0.00	2.00	10.2	20.4	1.27	0.00
2.95	16.8	0.62	3.70	0.2	4	79.6	0.13	0.13	0.00	2.00	10.7	21.5	1.33	0.00
3.12	16.9	0.65	3.85	-0.2	4	79.6	0.14	0.14	0.00	2.00	10.8	21.6	1.34	0.00
3.28	16.3	0.61	3.75	0.0	4	79.6	0.14	0.14	0.00	2.00	10.4	20.8	1.29	0.00
3.44	13.9	0.55	3.98	0.1	3	74.5	0.15	0.15	0.00	2.00	13.3	26.6	1.10	0.00
3.61	11.8	0.48	4.07	-0.4	3	74.5	0.16	0.16	0.00	2.00	11.3	22.6	0.93	0.10
3.77	11.8	0.44	3.75	0.6	3	74.5	0.16	0.16	0.00	2.00	11.3	22.5	0.93	0.10
3.94	8.9	0.39	4.40	0.3	3	74.5	0.17	0.17	0.00	2.00	8.5	17.0	0.70	0.12
4.10	7.9	0.38	4.81	0.2	3	74.5	0.18	0.18	0.00	2.00	7.6	15.2	0.62	0.12
4.27	8.7	0.38	4.38	0.7	3	74.5	0.18	0.18	0.00	2.00	8.3	16.7	0.68	0.13
4.43	12.4	0.45	3.64	1.4	3	74.5	0.19	0.19	0.00	2.00	11.9	23.7	0.98	0.10
4.59	16.0	0.46	2.87	1.5	5	85.3	0.19	0.19	0.00	2.00	7.7	15.4	1.27	0.10
4.76	16.3	0.45	2.77	1.2	5	85.3	0.20	0.20	0.00	2.00	7.8	15.6	1.29	0.10
4.92	16.9	0.41	2.43	0.2	5	85.3	0.21	0.21	0.00	2.00	8.1	16.2	1.34	0.10
5.09	17.5	0.41	2.35	4.5	5	85.3	0.22	0.22	0.00	2.00	8.4	16.7	1.38	0.10
5.25	18.4	0.49	2.66	9.3	5	85.3	0.22	0.22	0.00	2.00	8.8	17.7	1.46	0.10
5.41	20.1	0.53	2.64	13.1	5	85.3	0.23	0.23	0.00	2.00	9.6	19.3	1.59	0.11
5.58	21.2	0.55	2.61	3.3	5	85.3	0.24	0.24	0.00	2.00	10.1	20.3	1.67	0.11
5.74	19.4	0.54	2.79	7.3	5	85.3	0.24	0.24	0.00	2.00	9.3	18.6	1.53	0.11
5.91	19.6	0.55	2.81	13.3	5	85.3	0.25	0.25	0.00	2.00	9.4	18.8	1.55	0.11
6.07	22.2	0.53	2.40	16.9	6	98.7	0.26	0.26	0.00	1.97	8.5	16.7	1.75	0.11
6.23	23.6	0.58	2.46	10.5	6	98.7	0.27	0.27	0.00	1.94	9.1	17.6	1.87	0.12
.40	23.1	0.59	2.57	12.9	5	85.3	0.27	0.27	0.00	1.91	11.0	21.1	1.82	0.12
56	23.0	0.57	2.48	13.9	5	85.3	0.28	0.28	0.00	1.89	11.0	20.8	1.82	0.12
6.73	21.9	0.54	2.48	16.4	5	85.3	0.29	0.29	0.00	1.87	10.5	19.5	1.73	0.11
6.89	21.5	0.55	2.56	20.7	5	85.3	0.29	0.29	0.00	1.84	10.3	19.0	1.70	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4765
CPT File: 315CP24.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	21.4	0.50	2.34	25.6	6	98.7	0.30	0.30	0.00	1.82	8.2	14.9	1.69	0.11
7.22	20.5	0.52	2.54	32.1	5	85.3	0.31	0.31	0.00	1.80	9.8	17.7	1.62	0.11
7.38	22.5	0.51	2.28	34.3	6	98.7	0.32	0.32	0.00	1.78	8.6	15.3	1.77	0.11
7.55	24.2	0.54	2.24	41.4	6	98.7	0.32	0.32	0.00	1.75	9.3	16.2	1.91	0.11
7.71	28.7	0.58	2.03	24.9	6	98.7	0.33	0.33	0.00	1.73	11.0	19.0	2.27	0.12
7.87	28.1	0.61	2.18	5.1	6	98.7	0.34	0.34	0.00	1.71	10.8	18.4	2.22	0.12
8.04	27.1	0.61	2.26	7.4	6	98.7	0.35	0.35	0.00	1.69	10.4	17.5	2.14	0.12
8.20	28.2	0.56	1.99	9.6	6	98.7	0.36	0.36	0.00	1.67	10.8	18.1	2.23	0.12
8.37	26.4	0.54	2.05	8.8	6	98.7	0.37	0.37	0.00	1.65	10.1	16.7	2.08	0.11
8.53	25.7	0.53	2.07	1.6	6	98.7	0.37	0.37	0.00	1.64	9.8	16.1	2.03	0.11
8.69	34.6	0.49	1.42	1.2	7	98.7	0.38	0.38	0.00	1.62	11.1	17.9	UnDef	0.12
8.86	38.3	0.49	1.28	-0.1	7	98.7	0.39	0.39	0.00	1.60	12.2	19.6	UnDef	0.12
9.02	38.3	0.51	1.33	-0.4	7	98.7	0.40	0.40	0.00	1.59	12.2	19.4	UnDef	0.12
9.19	37.5	0.65	1.74	-0.6	6	98.7	0.41	0.41	0.00	1.57	14.4	22.6	2.97	0.13
9.35	35.6	0.70	1.97	-0.8	6	98.7	0.41	0.41	0.00	1.55	13.6	21.2	2.81	0.13
9.51	32.8	0.78	2.38	-0.8	6	98.7	0.42	0.42	0.00	1.54	12.6	19.4	2.59	0.14
9.68	28.4	0.68	2.40	-0.7	6	98.7	0.43	0.43	0.00	1.52	10.9	16.6	2.23	0.13
9.84	25.2	0.60	2.38	2.0	6	98.7	0.44	0.44	0.00	1.51	9.7	14.6	1.98	0.12
10.01	25.5	0.52	2.04	3.8	6	98.7	0.45	0.45	0.00	1.50	9.8	14.6	2.01	0.11
10.17	23.4	0.49	2.10	1.2	6	98.7	0.45	0.45	0.00	1.48	9.0	13.3	1.83	0.11
10.33	20.8	0.48	2.32	0.8	6	98.7	0.46	0.46	0.00	1.47	8.0	11.7	1.62	0.12
10.50	19.1	0.44	2.31	3.8	5	85.3	0.47	0.47	0.00	1.46	9.1	13.3	1.49	0.12
10.66	20.9	0.38	1.83	8.8	6	98.7	0.48	0.48	0.00	1.45	8.0	11.6	1.63	0.10
10.83	30.9	0.34	1.10	12.0	7	98.7	0.49	0.49	0.00	1.44	9.9	14.2	UnDef	0.10
10.99	34.1	0.36	1.06	0.1	7	98.7	0.49	0.49	0.00	1.42	10.9	15.5	UnDef	0.10
11.15	36.2	0.37	1.03	-0.2	7	98.7	0.50	0.50	0.00	1.41	11.5	16.3	UnDef	0.11
11.32	34.7	0.40	1.16	-0.6	7	98.7	0.51	0.51	0.00	1.40	11.1	15.5	UnDef	0.11
11.48	36.4	0.50	1.38	-0.7	7	98.7	0.52	0.52	0.00	1.39	11.6	16.1	UnDef	0.11
11.65	48.5	0.58	1.20	-0.2	7	98.7	0.53	0.53	0.00	1.38	15.5	21.4	UnDef	0.13
.81	50.7	0.64	1.27	-0.6	7	98.7	0.53	0.53	0.00	1.37	16.2	22.1	UnDef	0.14
.97	43.4	0.58	1.34	-0.4	7	98.7	0.54	0.54	0.00	1.36	13.8	18.8	UnDef	0.13
12.14	38.6	0.64	1.66	-0.2	7	98.7	0.55	0.55	0.00	1.35	12.3	16.6	UnDef	0.13
12.30	37.0	0.77	2.08	-0.6	6	98.7	0.56	0.56	0.00	1.34	14.2	19.0	2.92	0.14
12.47	33.5	0.73	2.19	0.1	6	98.7	0.57	0.57	0.00	1.33	12.8	17.0	2.63	0.14
12.63	31.4	0.71	2.27	-1.0	6	98.7	0.57	0.57	0.00	1.32	12.0	15.9	2.47	0.14
12.80	31.6	0.65	2.06	-0.3	6	98.7	0.58	0.58	0.00	1.31	12.1	15.9	2.48	0.13
12.96	30.8	0.66	2.15	0.0	6	98.7	0.59	0.59	0.00	1.30	11.8	15.3	2.42	0.13
13.12	27.5	0.67	2.44	3.1	6	98.7	0.60	0.60	0.00	1.29	10.5	13.6	2.15	0.15
13.29	30.4	0.61	2.01	7.6	6	98.7	0.61	0.61	0.00	1.28	11.6	14.9	2.38	0.13
13.45	29.3	0.53	1.81	7.6	6	98.7	0.62	0.62	0.00	1.28	11.2	14.3	2.29	0.12
13.62	42.9	0.56	1.31	10.0	7	98.7	0.62	0.62	0.00	1.27	13.7	17.3	UnDef	0.12
13.78	50.5	0.60	1.19	1.0	7	98.7	0.63	0.63	0.00	1.26	16.1	20.3	UnDef	0.13
13.94	49.6	0.69	1.40	0.1	7	98.7	0.64	0.64	0.00	1.25	15.8	19.8	UnDef	0.14
14.11	51.9	0.71	1.37	0.0	7	98.7	0.65	0.65	0.00	1.24	16.6	20.6	UnDef	0.14
14.27	52.4	0.77	1.47	-0.1	7	98.7	0.66	0.66	0.00	1.24	16.7	20.7	UnDef	0.15
14.44	51.6	0.79	1.53	-0.2	7	98.7	0.66	0.66	0.00	1.23	16.5	20.2	UnDef	0.15
14.60	52.8	0.76	1.44	-0.4	7	98.7	0.67	0.67	0.00	1.22	16.9	20.6	UnDef	0.14
14.76	48.8	0.78	1.60	-0.1	7	98.7	0.68	0.68	0.00	1.21	15.6	18.9	UnDef	0.14
14.93	48.3	0.80	1.66	-0.1	7	98.7	0.69	0.69	0.00	1.21	15.4	18.6	UnDef	0.14
15.09	50.3	0.84	1.67	0.0	7	98.7	0.70	0.70	0.00	1.20	16.1	19.3	UnDef	0.15
15.26	47.0	0.80	1.71	-0.3	7	98.7	0.70	0.70	0.00	1.19	15.0	17.9	UnDef	0.14
15.42	45.5	0.75	1.65	-0.3	7	98.7	0.71	0.71	0.00	1.19	14.5	17.2	UnDef	0.14
15.58	43.9	0.77	1.76	0.0	7	98.7	0.72	0.72	0.00	1.18	14.0	16.5	UnDef	0.14
15.75	40.9	0.89	2.18	-0.1	6	98.7	0.73	0.73	0.00	1.17	15.7	18.4	3.21	0.16
15.91	35.8	0.87	2.43	-0.6	6	98.7	0.74	0.74	0.00	1.17	13.7	16.0	2.81	0.17
16.08	30.3	0.83	2.75	0.6	5	85.3	0.74	0.74	0.00	1.16	14.5	16.8	2.36	0.21
16.24	29.4	0.71	2.42	2.8	6	98.7	0.75	0.75	0.00	1.15	11.3	13.0	2.29	0.17
16.40	35.0	0.68	1.95	4.8	6	98.7	0.76	0.76	0.00	1.15	13.4	15.4	2.74	0.14
16.57	33.4	0.74	2.22	1.5	6	98.7	0.77	0.77	0.00	1.14	12.8	14.6	2.61	0.15
16.73	29.7	0.73	2.46	1.9	6	98.7	0.78	0.78	0.00	1.14	11.4	12.9	2.31	0.18
.90	27.4	0.66	2.41	5.1	6	98.7	0.78	0.78	0.00	1.13	10.5	11.9	2.13	0.19
.06	25.4	0.50	1.97	6.5	6	98.7	0.79	0.79	0.00	1.12	9.7	10.9	1.97	0.15
17.22	22.0	0.45	2.05	9.6	6	98.7	0.80	0.80	0.00	1.12	8.4	9.4	1.69	0.18
17.39	24.4	0.45	1.85	11.8	6	98.7	0.81	0.81	0.00	1.11	9.3	10.4	1.89	0.14

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4765
CPT File: 315CP24.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	27.7	0.48	1.74	13.8	6	98.7	0.82	0.82	0.00	1.11	10.6	11.8	2.15	0.13
17.72	29.1	0.57	1.96	15.2	6	98.7	0.82	0.82	0.00	1.10	11.2	12.3	2.27	0.14
17.88	31.6	0.63	2.00	15.5	6	98.7	0.83	0.83	0.00	1.10	12.1	13.3	2.46	0.15
18.04	33.3	0.64	1.92	10.3	6	98.7	0.84	0.84	0.00	1.09	12.8	13.9	2.60	0.14
18.21	34.2	0.65	1.91	11.8	6	98.7	0.85	0.85	0.00	1.09	13.1	14.2	2.67	0.14
18.37	35.5	0.55	1.55	4.4	6	98.7	0.86	0.86	0.00	1.08	13.6	14.7	2.77	0.12
18.54	41.9	0.51	1.22	3.6	7	98.7	0.86	0.86	0.00	1.08	13.4	14.4	UnDef	0.12
18.70	39.9	0.51	1.28	0.4	7	98.7	0.87	0.87	0.00	1.07	12.7	13.6	UnDef	0.12
18.86	36.3	0.53	1.46	0.0	7	98.7	0.88	0.88	0.00	1.07	11.6	12.4	UnDef	0.12
19.03	31.6	0.62	1.97	0.0	6	98.7	0.89	0.89	0.00	1.06	12.1	12.8	2.46	0.15
19.19	27.9	0.63	2.26	0.3	6	98.7	0.90	0.90	0.00	1.06	10.7	11.3	2.16	0.21
19.36	26.3	0.59	2.24	5.2	6	98.7	0.91	0.91	0.00	1.05	10.1	10.6	2.04	0.23
19.52	24.8	0.52	2.10	11.2	6	98.7	0.91	0.91	0.00	1.05	9.5	9.9	1.91	0.23
19.68	22.6	0.48	2.13	18.8	6	98.7	0.92	0.92	0.00	1.04	8.6	9.0	1.73	0.22
19.85	22.0	0.41	1.87	25.9	6	98.7	0.93	0.93	0.00	1.04	8.4	8.8	1.69	0.21
20.01	22.2	0.38	1.71	31.0	6	98.7	0.94	0.94	0.00	1.03	8.5	8.8	1.70	0.18
20.18	22.5	0.38	1.70	35.4	6	98.7	0.95	0.95	0.00	1.03	8.6	8.8	1.72	0.18
20.34	26.4	0.48	1.82	40.6	6	98.7	0.95	0.95	0.00	1.02	10.1	10.3	2.03	0.16
20.51	25.6	0.48	1.88	42.8	6	98.7	0.96	0.96	0.00	1.02	9.8	10.0	1.97	0.18
20.67	21.3	0.46	2.17	44.8	6	98.7	0.97	0.97	0.00	1.02	8.2	8.3	1.63	0.19
20.83	24.2	0.40	1.65	47.2	6	98.7	0.98	0.98	0.00	1.01	9.3	9.4	1.86	0.16
21.00	24.4	0.41	1.69	31.9	6	98.7	0.99	0.99	0.00	1.01	9.3	9.4	1.87	0.17
21.16	24.5	0.40	1.64	37.3	6	98.7	0.99	0.99	0.00	1.00	9.4	9.4	1.88	0.16
21.33	26.8	0.43	1.61	41.3	6	98.7	1.00	1.00	0.00	1.00	10.3	10.2	2.06	0.14
21.49	26.3	0.46	1.75	44.8	6	98.7	1.01	1.01	0.00	0.99	10.1	10.0	2.03	0.17
21.65	27.8	0.51	1.84	46.5	6	98.7	1.02	1.02	0.00	0.99	10.7	10.6	2.14	0.18
21.82	24.3	0.54	2.23	47.6	6	98.7	1.03	1.03	0.00	0.99	9.3	9.2	1.86	0.23
21.98	30.1	0.56	1.86	61.2	6	98.7	1.03	1.03	0.00	0.98	11.5	11.3	2.33	0.17
22.15	32.7	0.68	2.08	62.6	6	98.7	1.04	1.04	0.00	0.98	12.5	12.3	2.54	0.20
[illegible].31	46.4	0.86	1.86	0.7	7	98.7	1.05	1.05	0.00	0.98	14.8	14.4	UnDef	0.16
[illegible].47	43.9	0.88	2.01	1.4	6	98.7	1.06	1.06	0.00	0.97	16.8	16.3	3.43	0.18
22.64	53.2	0.95	1.79	1.4	7	98.7	1.07	1.07	0.00	0.97	17.0	16.4	UnDef	0.17
22.80	51.7	1.04	2.01	0.6	7	98.7	1.08	1.08	0.00	0.96	16.5	15.9	UnDef	0.19
22.97	46.3	1.21	2.62	0.7	6	98.7	1.08	1.08	0.00	0.96	17.7	17.0	3.61	0.27
23.13	43.3	1.24	2.87	2.2	6	98.7	1.09	1.09	0.00	0.96	16.6	15.9	3.38	0.37
23.29	44.5	1.15	2.59	4.2	6	98.7	1.10	1.10	0.00	0.95	17.1	16.3	3.48	0.28
23.46	50.3	1.09	2.17	4.8	6	98.7	1.11	1.11	0.00	0.95	19.3	18.3	3.93	0.20
23.62	63.4	1.03	1.63	3.0	7	98.7	1.12	1.12	0.00	0.95	20.3	19.2	UnDef	0.17
23.79	74.7	1.02	1.37	0.6	7	98.7	1.12	1.12	0.00	0.94	23.9	22.5	UnDef	0.18
23.95	80.3	0.96	1.20	0.3	8	101.8	1.13	1.13	0.00	0.94	19.2	18.1	UnDef	0.18
24.11	86.6	1.06	1.23	0.4	8	101.8	1.14	1.14	0.00	0.94	20.7	19.4	UnDef	0.20
24.28	101.3	1.39	1.38	0.4	8	101.8	1.15	1.15	0.00	0.93	24.2	22.6	UnDef	0.25
24.44	112.3	1.71	1.53	0.2	8	101.8	1.16	1.16	0.00	0.93	26.9	25.0	UnDef	0.31
24.61	155.4	0.02	0.01	0.6	9	101.8	1.17	1.17	0.00	0.93	29.8	27.6	UnDef	0.34
24.77	220.3	0.02	0.01	1.0	10	127.3	1.17	1.17	0.00	0.92	35.2	32.4	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4765
'ob No: 99-315
'ent: Stone & Webster Engineering
ojject: Private Fuel Storage Faclity
Site: CPT-24
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/27/04
CPT Time: 17:31
CPT File: 315CP24.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-07	0.00	802.3	2.11	12	10.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.33	5.0E-06	0.00	763.0	2.37	12	19.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.49	5.0E-05	-0.01	1000.0	1.83	12	41.9	UnDef	UnDef	0.0	50	78.6	10.0	-0.50	UnDef	UnDef
0.66	5.0E-04	0.00	1000.0	1.79	12	90.3	UnDef	UnDef	0.0	50	95.0	1.0	-0.49	UnDef	UnDef
0.82	5.0E-04	0.00	1000.0	2.25	12	146.8	UnDef	UnDef	0.0	50	95.0	1.0	-0.54	UnDef	UnDef
0.98	5.0E-04	0.00	1000.0	1.56	12	181.5	UnDef	UnDef	0.0	50	95.0	1.0	-0.47	UnDef	UnDef
1.15	5.0E-04	0.00	1000.0	1.43	12	157.3	UnDef	UnDef	0.0	50	95.0	1.0	-0.45	UnDef	UnDef
1.31	5.0E-04	0.00	1000.0	1.20	9	126.8	0.0	126.8	1.3	50	94.8	1.0	-0.43	0.0	42.3
48	5.0E-04	0.00	844.1	1.35	9	112.3	0.0	112.3	2.2	50	89.6	1.0	-0.43	0.0	37.4
.64	5.0E-04	0.00	647.1	1.72	12	96.2	UnDef	UnDef	0.0	50	83.6	1.0	-0.44	UnDef	UnDef
1.80	5.0E-06	0.00	464.8	2.99	12	75.9	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
1.97	5.0E-07	0.00	312.2	4.02	12	55.1	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.13	5.0E-08	0.00	207.4	4.88	11	39.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.30	5.0E-07	0.00	191.6	3.56	12	38.5	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.46	5.0E-06	0.00	163.4	3.15	12	35.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-06	0.00	142.8	3.21	12	32.5	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.79	5.0E-07	0.00	126.8	3.67	12	30.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.95	5.0E-07	0.00	126.8	3.73	12	32.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.12	5.0E-07	0.00	121.7	3.88	12	32.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.28	5.0E-07	0.00	111.7	3.79	12	31.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.44	5.0E-08	0.00	90.9	4.02	11	26.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.61	5.0E-08	0.00	74.3	4.13	6	22.6	35.4	58.0	27.8	UnDef	UnDef	10.0	UnDef	14.0	36.6
3.77	5.0E-08	0.00	71.1	3.80	6	22.5	33.0	55.5	27.2	UnDef	UnDef	10.0	UnDef	13.3	35.8
3.94	5.0E-08	0.00	51.5	4.49	6	17.0	56.8	73.8	33.8	UnDef	UnDef	10.0	UnDef	15.8	32.8
4.10	5.0E-08	0.00	44.2	4.92	6	15.2	60.7	75.9	37.5	UnDef	UnDef	6.0	UnDef	15.2	30.3
4.27	5.0E-08	0.00	46.9	4.47	6	16.7	66.6	83.3	35.1	UnDef	UnDef	6.0	UnDef	16.7	33.3
4.43	5.0E-08	0.00	65.1	3.69	6	23.7	37.5	61.3	27.9	UnDef	UnDef	10.0	UnDef	14.7	38.5
4.59	5.0E-06	0.00	81.7	2.91	7	30.7	26.4	57.1	22.3	UnDef	UnDef	10.0	UnDef	6.2	21.6
4.76	5.0E-06	0.00	80.1	2.80	7	31.2	26.2	57.4	22.1	UnDef	UnDef	10.0	UnDef	6.2	21.8
4.92	5.0E-06	0.00	80.4	2.46	7	32.4	23.0	55.5	20.6	UnDef	UnDef	10.0	UnDef	5.7	21.9
5.09	5.0E-06	0.01	80.2	2.38	7	33.4	23.0	56.4	20.2	UnDef	UnDef	10.0	UnDef	5.7	22.4
5.25	5.0E-06	0.02	82.0	2.70	7	35.3	27.4	62.7	21.4	UnDef	UnDef	10.0	UnDef	6.6	24.3
5.41	5.0E-06	0.02	86.9	2.67	7	38.5	27.7	66.2	20.7	UnDef	UnDef	10.0	UnDef	6.8	26.1
5.58	5.0E-06	0.00	88.6	2.64	7	40.5	28.0	68.5	20.3	UnDef	UnDef	10.0	UnDef	7.0	27.2
5.74	5.0E-06	0.01	78.8	2.83	7	37.1	32.1	69.2	22.4	UnDef	UnDef	10.0	UnDef	7.6	26.1
5.91	5.0E-06	0.02	77.4	2.85	7	37.6	33.4	71.0	22.6	UnDef	UnDef	10.0	UnDef	7.8	26.6
6.07	5.0E-05	0.02	85.1	2.42	7	42.5	27.8	70.3	19.8	42	42.9	10.0	-0.27	5.5	22.2
6.23	5.0E-05	0.01	87.9	2.49	7	44.9	29.2	74.0	19.8	42	44.3	10.0	-0.28	5.7	23.3
6.40	5.0E-06	0.02	83.4	2.60	7	43.2	31.4	74.6	20.8	UnDef	UnDef	10.0	UnDef	7.6	28.7
' 56	5.0E-06	0.02	81.1	2.51	7	42.5	30.7	73.3	20.7	UnDef	UnDef	10.0	UnDef	7.4	28.2
73	5.0E-06	0.02	75.1	2.51	7	39.9	31.5	71.4	21.5	UnDef	UnDef	10.0	UnDef	7.4	27.0
.89	5.0E-06	0.03	72.1	2.60	7	38.8	33.6	72.4	22.4	UnDef	UnDef	10.0	UnDef	7.8	26.7

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP24.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.04	69.9	2.38	7	38.1	30.7	68.8	21.7	40	39.6	10.0	-0.25	5.8	20.7
7.22	5.0E-06	0.05	65.4	2.58	7	36.1	34.9	71.0	23.4	UnDef	UnDef	10.0	UnDef	7.8	25.5
7.38	5.0E-05	0.05	69.9	2.31	7	39.0	30.4	69.5	21.4	40	40.3	10.0	-0.24	5.8	21.1
7.55	5.0E-05	0.05	73.3	2.27	7	41.5	29.9	71.4	20.7	40	42.0	10.0	-0.24	5.8	22.0
7.71	5.0E-05	0.03	85.1	2.05	7	48.6	26.1	74.7	18.1	42	46.6	10.0	-0.25	5.3	24.4
7.87	5.0E-05	0.01	81.3	2.21	7	47.0	29.0	76.0	19.3	42	45.7	10.0	-0.25	5.8	24.2
8.04	5.0E-05	0.01	76.5	2.29	7	44.8	31.0	75.8	20.3	40	44.3	10.0	-0.25	6.0	23.6
8.20	5.0E-05	0.01	78.0	2.02	7	46.2	26.9	73.1	18.8	40	45.1	10.0	-0.24	5.4	23.5
8.37	5.0E-05	0.01	71.2	2.08	7	42.7	28.8	71.5	20.1	40	42.9	10.0	-0.23	5.6	22.3
8.53	5.0E-05	0.00	67.8	2.10	7	41.1	29.8	70.9	20.7	40	41.8	10.0	-0.23	5.7	21.8
8.69	5.0E-04	0.00	89.8	1.43	7	54.9	18.1	73.0	14.3	42	50.1	1.0	-0.21	3.3	21.2
8.86	5.0E-04	0.00	97.4	1.29	9	60.1	15.7	75.8	12.7	42	52.7	1.0	-0.21	2.9	22.5
9.02	5.0E-04	0.00	95.4	1.35	9	59.5	16.8	76.3	13.2	42	52.4	1.0	-0.21	3.1	22.5
9.19	5.0E-05	0.00	91.4	1.76	7	57.6	23.6	81.2	15.9	42	51.5	10.0	-0.24	5.0	27.6
9.35	5.0E-05	0.00	85.0	2.00	7	54.1	28.2	82.3	17.8	42	49.7	10.0	-0.25	5.8	27.0
9.51	5.0E-05	0.00	76.8	2.41	7	49.5	36.3	85.7	20.8	40	47.1	10.0	-0.26	7.0	26.3
9.68	5.0E-05	0.00	64.9	2.44	7	42.3	38.6	80.9	22.9	40	42.6	10.0	-0.25	7.0	23.6
9.84	5.0E-05	0.00	56.6	2.43	7	37.3	40.2	77.5	24.4	40	39.0	10.0	-0.23	7.0	21.6
10.01	5.0E-05	0.00	56.2	2.08	7	37.4	33.9	71.3	22.8	40	39.1	10.0	-0.21	6.2	20.8
10.17	5.0E-05	0.00	50.5	2.14	7	33.9	36.7	70.7	24.5	38	36.3	10.0	-0.20	6.4	19.7
10.33	5.0E-05	0.00	43.9	2.37	7	29.9	44.8	74.7	27.5	38	32.7	6.0	-0.20	7.0	18.7
10.50	5.0E-06	0.01	39.5	2.37	7	27.2	48.2	75.4	28.9	UnDef	UnDef	6.0	UnDef	8.9	22.2
10.66	5.0E-05	0.01	42.7	1.87	7	29.5	34.4	63.9	25.1	38	32.3	6.0	-0.16	5.9	17.4
10.83	5.0E-04	0.01	62.6	1.12	7	43.4	17.6	61.0	15.8	40	43.4	1.0	-0.15	3.1	17.3
10.99	5.0E-04	0.00	68.1	1.07	9	47.5	16.4	64.0	14.6	40	45.9	1.0	-0.16	3.0	18.5
11.15	5.0E-04	0.00	71.0	1.04	9	49.9	15.7	65.7	14.0	40	47.4	1.0	-0.16	2.9	19.2
11.32	5.0E-04	0.00	67.0	1.17	7	47.5	18.5	66.0	15.5	40	46.0	1.0	-0.16	3.3	18.8
11.48	5.0E-04	0.00	69.3	1.40	7	49.5	22.2	71.7	16.6	40	47.1	1.0	-0.18	3.9	20.0
11.65	5.0E-04	0.00	91.3	1.21	9	65.5	17.2	82.7	12.8	42	55.1	1.0	-0.20	3.2	24.6
.81	5.0E-04	0.00	93.8	1.28	9	67.8	18.4	86.2	13.0	42	56.1	1.0	-0.21	3.4	25.5
.97	5.0E-04	0.00	79.0	1.36	7	57.6	21.1	78.8	15.0	42	51.5	1.0	-0.19	3.8	22.6
12.14	5.0E-04	0.00	69.2	1.68	7	51.0	28.1	79.0	18.3	40	48.0	1.0	-0.20	4.7	21.4
12.30	5.0E-05	0.00	65.3	2.12	7	48.5	37.1	85.6	21.2	40	46.5	10.0	-0.23	7.1	26.0
12.47	5.0E-05	0.00	58.1	2.22	7	43.5	40.9	84.4	23.1	40	43.4	10.0	-0.22	7.4	24.4
12.63	5.0E-05	0.00	53.7	2.31	7	40.6	44.1	84.7	24.5	40	41.4	10.0	-0.22	7.7	23.6
12.80	5.0E-05	0.00	53.3	2.10	7	40.5	39.8	80.4	23.6	40	41.4	10.0	-0.20	7.1	23.0
12.96	5.0E-05	0.00	51.1	2.19	7	39.2	42.8	82.0	24.5	38	40.4	10.0	-0.20	7.4	22.8
13.12	5.0E-05	0.00	44.9	2.50	7	34.7	54.0	88.8	27.8	38	37.0	6.0	-0.21	8.4	22.0
13.29	5.0E-05	0.01	49.0	2.05	7	38.2	40.8	79.0	24.4	38	39.7	6.0	-0.19	7.1	22.1
13.45	5.0E-05	0.01	46.6	1.85	7	36.6	37.2	73.8	23.9	38	38.4	6.0	-0.17	6.6	20.9
13.62	5.0E-04	0.01	67.8	1.33	7	53.1	23.2	76.4	16.4	40	49.1	1.0	-0.18	4.1	21.4
13.78	5.0E-04	0.00	79.0	1.21	9	62.2	19.9	82.1	14.1	42	53.7	1.0	-0.18	3.6	23.9
13.94	5.0E-04	0.00	76.5	1.41	7	60.7	24.2	84.9	15.7	40	52.9	1.0	-0.20	4.3	24.1
14.11	5.0E-04	0.00	79.2	1.39	7	63.2	23.6	86.8	15.2	42	54.1	1.0	-0.20	4.2	24.8
14.27	5.0E-04	0.00	78.9	1.49	7	63.3	25.8	89.2	15.9	42	54.2	1.0	-0.20	4.6	25.2
14.44	5.0E-04	0.00	76.8	1.55	7	62.0	27.4	89.4	16.5	40	53.6	1.0	-0.21	4.8	25.0
14.60	5.0E-04	0.00	77.6	1.46	7	63.1	25.7	88.7	15.8	40	54.1	1.0	-0.20	4.5	25.1
14.76	5.0E-04	0.00	70.8	1.62	7	57.9	29.8	87.7	17.7	40	51.6	1.0	-0.20	5.1	24.0
14.93	5.0E-04	0.00	69.2	1.68	7	57.0	31.4	88.4	18.3	40	51.2	1.0	-0.20	5.3	23.9
15.09	5.0E-04	0.00	71.3	1.70	7	59.0	31.6	90.6	18.0	40	52.2	1.0	-0.21	5.4	24.6
15.26	5.0E-04	0.00	65.7	1.73	7	54.8	33.2	88.0	19.1	40	50.0	1.0	-0.20	5.5	23.4
15.42	5.0E-04	0.00	62.9	1.68	7	52.7	32.7	85.4	19.3	40	48.9	1.0	-0.19	5.4	22.6
15.58	5.0E-04	0.00	59.9	1.79	7	50.6	35.6	86.2	20.5	40	47.8	1.0	-0.20	5.8	22.3
15.75	5.0E-05	0.00	55.1	2.22	7	46.9	47.1	93.9	23.8	40	45.6	10.0	-0.21	8.4	26.7
15.91	5.0E-05	0.00	47.7	2.48	7	40.9	57.7	98.5	26.9	38	41.6	6.0	-0.21	9.2	25.2
16.08	5.0E-06	0.00	39.7	2.82	6	34.4	78.3	112.7	31.0	UnDef	UnDef	6.0	UnDef	12.9	29.7
16.24	5.0E-05	0.00	38.1	2.48	6	33.2	66.9	100.1	30.0	38	35.7	6.0	-0.19	9.3	22.3
16.40	5.0E-05	0.00	45.1	1.99	7	39.3	45.5	84.8	25.1	38	40.5	6.0	-0.18	7.8	23.2
16.57	5.0E-05	0.00	42.4	2.28	7	37.3	55.7	93.0	27.4	38	39.0	6.0	-0.19	8.7	23.3
16.73	5.0E-05	0.00	37.3	2.53	6	33.0	71.1	104.1	30.6	38	35.5	6.0	-0.19	9.6	22.6
.90	5.0E-05	0.01	34.0	2.48	6	30.3	75.6	105.9	31.7	36	33.1	6.0	-0.17	9.6	21.4
06	5.0E-05	0.01	31.1	2.04	7	27.9	60.9	88.8	30.7	36	30.7	6.0	-0.14	8.2	19.1
.22	5.0E-05	0.01	26.4	2.13	6	24.0	79.8	103.9	33.8	36	30.0	6.0	-0.13	8.7	18.1
17.39	5.0E-05	0.02	29.2	1.91	7	26.6	59.5	86.1	30.9	36	30.0	6.0	-0.12	7.9	18.3

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Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	33.0	1.79	7	30.0	49.4	79.4	28.3	36	32.8	6.0	-0.13	7.5	19.2
17.72	5.0E-05	0.02	34.3	2.02	7	31.4	56.4	87.8	29.1	36	34.1	6.0	-0.15	8.3	20.6
17.88	5.0E-05	0.02	36.9	2.05	7	33.9	55.2	89.1	28.2	38	36.2	6.0	-0.16	8.4	21.6
18.04	5.0E-05	0.01	38.6	1.97	7	35.6	51.3	86.8	27.1	38	37.6	6.0	-0.16	8.2	22.1
18.21	5.0E-05	0.01	39.3	1.96	7	36.3	50.4	86.7	26.8	38	38.2	6.0	-0.16	8.1	22.3
18.37	5.0E-05	0.00	40.4	1.59	7	37.5	39.4	76.9	24.2	38	39.2	6.0	-0.14	6.9	21.6
18.54	5.0E-04	0.00	47.4	1.25	7	44.0	28.9	73.0	19.8	38	43.8	1.0	-0.14	4.7	19.1
18.70	5.0E-04	0.00	44.7	1.31	7	41.8	31.2	73.0	21.0	38	42.2	1.0	-0.13	5.0	18.6
18.86	5.0E-04	0.00	40.3	1.50	7	37.9	37.5	75.4	23.6	38	39.5	1.0	-0.14	5.6	17.9
19.03	5.0E-05	0.00	34.6	2.02	7	32.8	58.5	91.3	29.0	36	35.3	6.0	-0.15	8.6	21.4
19.19	5.0E-05	0.00	30.1	2.34	6	28.8	83.6	112.4	32.8	36	31.6	6.0	-0.15	9.8	21.1
19.36	5.0E-05	0.01	28.1	2.32	6	27.1	91.3	118.4	33.9	36	30.0	6.0	-0.14	9.9	20.5
19.52	5.0E-05	0.01	26.1	2.18	6	25.4	91.1	116.5	34.3	34	30.0	6.0	-0.13	9.5	19.4
19.68	5.0E-05	0.03	23.5	2.22	6	23.0	92.0	115.1	36.3	34	30.0	6.0	-0.11	9.0	18.0
19.85	5.0E-05	0.04	22.7	1.95	6	22.4	89.5	111.8	35.2	34	30.0	6.0	-0.10	8.8	17.5
20.01	5.0E-05	0.05	22.7	1.79	6	22.5	79.3	101.8	34.2	34	30.0	6.0	-0.09	8.4	17.2
20.18	5.0E-05	0.05	22.7	1.77	6	22.6	78.2	100.8	34.1	34	30.0	6.0	-0.09	8.3	17.2
20.34	5.0E-05	0.05	26.7	1.89	6	26.4	70.2	96.7	32.2	36	30.0	6.0	-0.11	8.6	19.0
20.51	5.0E-05	0.05	25.6	1.95	6	25.6	78.1	103.7	33.2	34	30.0	6.0	-0.11	8.9	18.9
20.67	5.0E-05	0.07	20.9	2.27	6	21.2	84.6	105.8	38.6	34	30.0	6.0	-0.10	8.3	16.6
20.83	5.0E-05	0.06	23.8	1.72	6	24.0	71.0	95.0	33.0	34	30.0	6.0	-0.09	8.2	17.6
21.00	5.0E-05	0.04	23.7	1.76	6	24.0	74.1	98.1	33.3	34	30.0	6.0	-0.09	8.4	17.8
21.16	5.0E-05	0.05	23.7	1.70	6	24.1	70.8	94.9	33.0	34	30.0	6.0	-0.09	8.2	17.7
21.33	5.0E-05	0.05	25.7	1.67	7	26.2	62.3	88.5	31.4	34	30.0	6.0	-0.10	8.1	18.3
21.49	5.0E-05	0.06	25.1	1.82	6	25.6	73.5	99.1	32.8	34	30.0	6.0	-0.10	8.7	18.7
21.65	5.0E-05	0.05	26.3	1.91	6	27.0	74.8	101.7	32.5	34	30.0	6.0	-0.11	9.0	19.5
21.82	5.0E-05	0.06	22.7	2.33	6	23.5	93.9	117.3	37.5	34	30.0	6.0	-0.11	9.2	18.4
21.98	5.0E-05	0.07	28.1	1.93	7	29.0	71.0	100.0	31.6	36	31.8	6.0	-0.12	9.1	20.4
22.15	5.0E-05	0.06	30.4	2.15	6	31.4	77.6	108.9	31.7	36	34.0	6.0	-0.14	9.9	22.1
22.31	5.0E-04	0.00	43.1	1.90	7	44.3	51.8	96.1	25.2	38	43.9	1.0	-0.17	7.3	21.8
22.47	5.0E-05	0.00	40.4	2.06	7	41.7	59.1	100.9	27.0	38	42.2	6.0	-0.17	9.5	25.8
22.64	5.0E-04	0.00	48.9	1.83	7	50.4	47.4	97.8	23.1	38	47.6	1.0	-0.18	7.1	23.6
22.80	5.0E-04	0.00	47.1	2.06	7	48.8	55.3	104.2	24.9	38	46.7	1.0	-0.19	7.9	23.9
22.97	5.0E-05	0.00	41.7	2.69	6	43.5	84.4	127.9	29.7	38	43.4	6.0	-0.21	12.0	29.0
23.13	5.0E-05	0.00	38.7	2.94	6	40.6	104.7	145.3	32.0	38	41.4	6.0	-0.21	13.0	28.9
23.29	5.0E-05	0.00	39.5	2.65	6	41.6	86.9	128.5	30.3	38	42.1	6.0	-0.20	11.9	28.2
23.46	5.0E-05	0.00	44.4	2.22	7	46.8	63.4	110.1	26.5	38	45.5	6.0	-0.19	10.3	28.6
23.62	5.0E-04	0.00	55.9	1.66	7	58.8	41.7	100.4	20.5	40	52.0	1.0	-0.18	6.7	25.9
23.79	5.0E-04	0.00	65.5	1.39	7	69.0	33.1	102.1	17.1	40	56.6	1.0	-0.18	5.7	28.2
23.95	5.0E-03	0.00	69.9	1.22	7	73.9	28.2	102.0	15.3	40	58.6	1.0	-0.17	3.8	21.8
24.11	5.0E-03	0.00	74.9	1.24	7	79.3	28.3	107.6	14.8	40	60.6	1.0	-0.18	3.8	23.2
24.28	5.0E-03	0.00	87.1	1.39	7	92.5	30.6	123.1	14.3	42	65.0	1.0	-0.21	4.2	26.8
24.44	5.0E-03	0.00	96.1	1.54	7	102.2	33.7	135.9	14.3	42	67.9	1.0	-0.23	4.6	29.6
24.61	5.0E-02	0.00	132.4	0.01	10	140.9	0.0	140.9	2.9	44	77.1	1.0	0.15	0.0	27.6
24.77	5.0E+00	0.00	186.5	0.01	10	198.9	0.0	198.9	2.2	44	87.0	1.0	0.14	0.0	32.4

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4803
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-25
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 11:31
CPT File: 315CP25.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.6	0.02	0.44	0.2	1	74.5	0.01	0.01	0.00	2.00	2.2	4.4	0.37	0.00
0.33	6.9	0.04	0.58	-0.3	1	74.5	0.01	0.01	0.00	2.00	3.3	6.6	0.55	0.00
0.49	9.9	0.19	1.92	-0.6	5	85.3	0.02	0.02	0.00	2.00	4.7	9.5	0.79	0.00
0.66	18.8	0.43	2.30	-4.6	5	85.3	0.03	0.03	0.00	2.00	9.0	18.0	1.50	0.00
0.82	39.3	0.82	2.09	-1.5	6	98.7	0.03	0.03	0.00	2.00	15.1	30.1	3.15	0.00
0.98	59.3	1.19	2.01	-0.5	7	98.7	0.04	0.04	0.00	2.00	18.9	37.9	UnDef	0.00
1.15	55.7	1.21	2.18	-5.5	6	98.7	0.05	0.05	0.00	2.00	21.4	42.7	4.46	0.00
31	43.4	0.71	1.64	-2.6	7	98.7	0.06	0.06	0.00	2.00	13.8	27.7	UnDef	0.00
.48	36.8	0.18	0.49	-0.3	7	98.7	0.07	0.07	0.00	2.00	11.7	23.5	UnDef	0.11
1.64	35.6	0.05	0.14	-0.2	8	101.8	0.07	0.07	0.00	2.00	8.5	17.0	UnDef	0.11
1.80	39.7	0.28	0.71	-0.1	7	98.7	0.08	0.08	0.00	2.00	12.7	25.4	UnDef	0.12
1.97	53.1	0.52	0.98	0.0	7	98.7	0.09	0.09	0.00	2.00	16.9	33.9	UnDef	0.18
2.13	73.2	0.92	1.26	0.0	7	98.7	0.10	0.10	0.00	2.00	23.4	46.7	UnDef	0.34
2.30	83.2	1.40	1.69	-0.1	7	98.7	0.11	0.11	0.00	2.00	26.6	53.1	UnDef	0.00
2.46	59.6	1.40	2.35	-0.3	6	98.7	0.11	0.11	0.00	2.00	22.8	45.7	4.76	0.00
2.62	37.6	0.88	2.35	-1.5	6	98.7	0.12	0.12	0.00	2.00	14.4	28.8	3.00	0.00
2.79	26.2	0.28	1.07	-0.3	6	98.7	0.13	0.13	0.00	2.00	10.0	20.1	2.08	0.09
2.95	21.8	0.08	0.37	-0.3	7	98.7	0.14	0.14	0.00	2.00	7.0	13.9	UnDef	0.09
3.12	24.8	0.12	0.48	-0.3	7	98.7	0.15	0.15	0.00	2.00	7.9	15.9	UnDef	0.09
3.28	26.2	0.24	0.92	-0.3	7	98.7	0.15	0.15	0.00	2.00	8.4	16.7	UnDef	0.09
3.44	23.0	0.31	1.35	-0.3	6	98.7	0.16	0.16	0.00	2.00	8.8	17.6	1.83	0.09
3.61	20.0	0.27	1.35	-0.4	6	98.7	0.17	0.17	0.00	2.00	7.7	15.3	1.59	0.09
3.77	17.7	0.24	1.36	-0.5	6	98.7	0.18	0.18	0.00	2.00	6.8	13.6	1.40	0.09
3.94	16.0	0.20	1.26	-0.4	6	98.7	0.19	0.19	0.00	2.00	6.1	12.2	1.26	0.09
4.10	17.4	0.20	1.15	-0.4	6	98.7	0.20	0.20	0.00	2.00	6.7	13.3	1.37	0.09
4.27	18.8	0.25	1.33	-0.3	6	98.7	0.20	0.20	0.00	2.00	7.2	14.4	1.49	0.09
4.43	18.0	0.25	1.39	-0.3	6	98.7	0.21	0.21	0.00	2.00	6.9	13.8	1.42	0.09
4.59	17.3	0.22	1.27	-0.5	6	98.7	0.22	0.22	0.00	2.00	6.6	13.3	1.37	0.09
4.76	16.5	0.20	1.21	-0.3	6	98.7	0.23	0.23	0.00	2.00	6.3	12.7	1.31	0.09
4.92	15.7	0.23	1.47	-0.4	6	98.7	0.24	0.24	0.00	2.00	6.0	12.0	1.24	0.09
5.09	14.4	0.24	1.67	-0.3	5	85.3	0.24	0.24	0.00	2.00	6.9	13.8	1.13	0.09
5.25	13.6	0.24	1.77	-0.6	5	85.3	0.25	0.25	0.00	2.00	6.5	13.0	1.07	0.09
5.41	14.6	0.24	1.65	-0.3	6	98.7	0.26	0.26	0.00	1.97	5.6	11.0	1.14	0.09
5.58	14.5	0.27	1.87	-0.6	5	85.3	0.27	0.27	0.00	1.94	6.9	13.5	1.14	0.09
5.74	15.6	0.31	1.99	-0.6	5	85.3	0.27	0.27	0.00	1.92	7.5	14.4	1.23	0.10
5.91	15.2	0.34	2.24	-0.7	5	85.3	0.28	0.28	0.00	1.89	7.3	13.8	1.19	0.10
6.07	17.8	0.38	2.14	0.1	5	85.3	0.29	0.29	0.00	1.87	8.5	15.9	1.40	0.10
6.23	18.6	0.40	2.16	-1.0	6	98.7	0.29	0.29	0.00	1.84	7.1	13.1	1.46	0.10
.40	19.2	0.41	2.14	-0.9	6	98.7	0.30	0.30	0.00	1.82	7.3	13.4	1.51	0.10
56	17.8	0.43	2.42	-0.5	5	85.3	0.31	0.31	0.00	1.80	8.5	15.3	1.40	0.11
.73	15.7	0.36	2.30	7.3	5	85.3	0.32	0.32	0.00	1.78	7.5	13.3	1.23	0.10
6.89	14.5	0.31	2.14	8.1	5	85.3	0.32	0.32	0.00	1.76	7.0	12.2	1.14	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	16.4	0.31	1.89	6.4	6	98.7	0.33	0.33	0.00	1.74	6.3	11.0	1.29	0.10
7.22	19.6	0.37	1.89	7.1	6	98.7	0.34	0.34	0.00	1.72	7.5	12.9	1.54	0.10
7.38	21.0	0.41	1.95	4.1	6	98.7	0.35	0.35	0.00	1.70	8.1	13.7	1.66	0.10
7.55	20.9	0.45	2.16	3.5	6	98.7	0.36	0.36	0.00	1.68	8.0	13.4	1.64	0.11
7.71	21.9	0.45	2.06	4.8	6	98.7	0.36	0.36	0.00	1.66	8.4	13.9	1.72	0.11
7.87	20.7	0.41	1.98	8.2	6	98.7	0.37	0.37	0.00	1.64	7.9	13.0	1.63	0.10
8.04	21.1	0.41	1.95	10.4	6	98.7	0.38	0.38	0.00	1.62	8.1	13.1	1.66	0.10
8.20	23.2	0.43	1.86	3.2	6	98.7	0.39	0.39	0.00	1.61	8.9	14.3	1.83	0.10
8.37	22.9	0.45	1.97	4.0	6	98.7	0.40	0.40	0.00	1.59	8.8	13.9	1.80	0.11
8.53	24.3	0.48	1.98	5.2	6	98.7	0.40	0.40	0.00	1.57	9.3	14.6	1.91	0.11
8.69	22.8	0.46	2.02	5.9	6	98.7	0.41	0.41	0.00	1.56	8.7	13.6	1.79	0.11
8.86	23.4	0.47	2.01	5.5	6	98.7	0.42	0.42	0.00	1.54	9.0	13.8	1.84	0.11
9.02	22.9	0.46	2.01	4.7	6	98.7	0.43	0.43	0.00	1.53	8.8	13.4	1.80	0.11
9.19	22.3	0.45	2.03	5.0	6	98.7	0.44	0.44	0.00	1.51	8.5	12.9	1.75	0.11
9.35	22.3	0.44	1.98	4.6	6	98.7	0.44	0.44	0.00	1.50	8.5	12.8	1.74	0.11
9.51	24.8	0.50	2.02	10.5	6	98.7	0.45	0.45	0.00	1.49	9.5	14.1	1.95	0.11
9.68	23.1	0.54	2.35	12.4	6	98.7	0.46	0.46	0.00	1.47	8.8	13.0	1.81	0.12
9.84	24.2	0.55	2.28	11.6	6	98.7	0.47	0.47	0.00	1.46	9.3	13.5	1.90	0.12
10.01	26.4	0.47	1.78	12.8	6	98.7	0.48	0.48	0.00	1.45	10.1	14.7	2.08	0.11
10.17	29.0	0.46	1.59	8.3	6	98.7	0.48	0.48	0.00	1.44	11.1	15.9	2.28	0.11
10.33	26.6	0.33	1.24	0.2	6	98.7	0.49	0.49	0.00	1.42	10.2	14.5	2.09	0.10
10.50	31.2	0.26	0.83	-0.4	7	98.7	0.50	0.50	0.00	1.41	10.0	14.1	UnDef	0.10
10.66	39.6	0.12	0.30	-1.1	8	101.8	0.51	0.51	0.00	1.40	9.5	13.3	UnDef	0.09
10.83	46.6	0.15	0.32	-1.2	8	101.8	0.52	0.52	0.00	1.39	11.2	15.5	UnDef	0.10
10.99	64.1	0.17	0.27	-1.3	8	101.8	0.53	0.53	0.00	1.38	15.4	21.2	UnDef	0.14
11.15	56.2	0.22	0.39	-1.4	8	101.8	0.53	0.53	0.00	1.37	13.5	18.4	UnDef	0.12
11.32	57.0	0.27	0.48	-1.5	8	101.8	0.54	0.54	0.00	1.36	13.6	18.5	UnDef	0.12
11.48	58.8	0.27	0.46	-1.4	8	101.8	0.55	0.55	0.00	1.35	14.1	19.0	UnDef	0.12
11.65	65.6	0.30	0.46	-1.4	8	101.8	0.56	0.56	0.00	1.34	15.7	21.0	UnDef	0.14
11.81	65.0	0.33	0.51	-1.5	8	101.8	0.57	0.57	0.00	1.33	15.6	20.7	UnDef	0.14
11.97	62.2	0.34	0.55	-1.2	8	101.8	0.58	0.58	0.00	1.32	14.9	19.6	UnDef	0.14
12.14	59.3	0.32	0.54	-1.4	8	101.8	0.58	0.58	0.00	1.31	14.2	18.6	UnDef	0.13
12.30	53.3	0.26	0.49	-1.3	8	101.8	0.59	0.59	0.00	1.30	12.8	16.6	UnDef	0.11
12.47	51.9	0.25	0.48	-1.4	8	101.8	0.60	0.60	0.00	1.29	12.4	16.0	UnDef	0.11
12.63	56.0	0.21	0.38	-1.3	8	101.8	0.61	0.61	0.00	1.28	13.4	17.2	UnDef	0.11
12.80	54.9	0.20	0.36	-1.0	8	101.8	0.62	0.62	0.00	1.27	13.2	16.7	UnDef	0.11
12.96	54.5	0.18	0.33	-1.0	8	101.8	0.63	0.63	0.00	1.26	13.1	16.5	UnDef	0.11
13.12	50.3	0.20	0.40	-1.1	8	101.8	0.63	0.63	0.00	1.26	12.0	15.1	UnDef	0.10
13.29	50.5	0.28	0.56	-1.1	8	101.8	0.64	0.64	0.00	1.25	12.1	15.1	UnDef	0.11
13.45	53.2	0.40	0.75	-1.0	8	101.8	0.65	0.65	0.00	1.24	12.7	15.8	UnDef	0.12
13.62	58.4	0.46	0.79	-1.1	8	101.8	0.66	0.66	0.00	1.23	14.0	17.2	UnDef	0.13
13.78	61.0	0.44	0.72	-1.1	8	101.8	0.67	0.67	0.00	1.22	14.6	17.9	UnDef	0.13
13.94	70.8	0.38	0.54	-1.2	8	101.8	0.68	0.68	0.00	1.22	17.0	20.6	UnDef	0.14
14.11	97.8	0.54	0.55	-1.0	8	101.8	0.68	0.68	0.00	1.21	23.4	28.3	UnDef	0.22
14.27	123.7	0.77	0.62	-0.9	9	101.8	0.69	0.69	0.00	1.20	23.7	28.5	UnDef	0.37
14.44	125.8	0.88	0.70	-0.9	9	101.8	0.70	0.70	0.00	1.19	24.1	28.8	UnDef	0.38
14.60	118.8	0.80	0.68	-1.0	9	101.8	0.71	0.71	0.00	1.19	22.7	27.0	UnDef	0.32
14.76	111.9	0.67	0.60	-1.1	9	101.8	0.72	0.72	0.00	1.18	21.4	25.3	UnDef	0.28
14.93	111.5	0.60	0.54	-1.1	9	101.8	0.73	0.73	0.00	1.17	21.3	25.0	UnDef	0.27
15.09	105.8	0.57	0.54	-1.0	9	101.8	0.73	0.73	0.00	1.17	20.3	23.6	UnDef	0.24
15.26	85.5	0.48	0.56	-0.9	8	101.8	0.74	0.74	0.00	1.16	20.5	23.8	UnDef	0.18
15.42	66.9	0.37	0.55	-0.8	8	101.8	0.75	0.75	0.00	1.15	16.0	18.5	UnDef	0.13
15.58	58.2	0.44	0.76	-0.9	8	101.8	0.76	0.76	0.00	1.15	13.9	16.0	UnDef	0.13
15.75	53.5	0.60	1.12	-0.8	7	98.7	0.77	0.77	0.00	1.14	17.1	19.5	UnDef	0.13
15.91	54.3	0.88	1.62	-0.5	7	98.7	0.78	0.78	0.00	1.14	17.3	19.7	UnDef	0.15
16.08	54.7	1.09	2.00	-1.0	7	98.7	0.78	0.78	0.00	1.13	17.5	19.7	UnDef	0.18
16.24	53.9	0.95	1.77	0.0	7	98.7	0.79	0.79	0.00	1.12	17.2	19.3	UnDef	0.16
16.40	60.7	0.89	1.47	-2.8	7	98.7	0.80	0.80	0.00	1.12	19.4	21.6	UnDef	0.16
16.57	58.3	0.96	1.65	-0.3	7	98.7	0.81	0.81	0.00	1.11	18.6	20.7	UnDef	0.16
16.73	51.3	1.08	2.11	-0.3	6	98.7	0.82	0.82	0.00	1.11	19.6	21.7	4.04	0.18
16.90	52.4	0.95	1.82	-1.6	7	98.7	0.82	0.82	0.00	1.10	16.7	18.4	UnDef	0.16
17.06	55.1	0.66	1.20	-0.8	7	98.7	0.83	0.83	0.00	1.10	17.6	19.3	UnDef	0.13
17.22	53.3	0.70	1.32	-0.4	7	98.7	0.84	0.84	0.00	1.09	17.0	18.6	UnDef	0.14
17.39	41.1	0.84	2.05	-0.2	6	98.7	0.85	0.85	0.00	1.09	15.7	17.1	3.22	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	35.0	0.94	2.70	1.5	6	98.7	0.86	0.86	0.00	1.08	13.4	14.5	2.73	0.23
17.72	38.9	0.81	2.09	2.0	6	98.7	0.87	0.87	0.00	1.08	14.9	16.0	3.04	0.16
17.88	40.8	0.86	2.11	1.8	6	98.7	0.87	0.87	0.00	1.07	15.6	16.7	3.20	0.16
18.04	40.9	0.77	1.89	0.4	6	98.7	0.88	0.88	0.00	1.07	15.7	16.7	3.20	0.15
18.21	44.8	0.69	1.54	1.9	7	98.7	0.89	0.89	0.00	1.06	14.3	15.2	UnDef	0.13
18.37	46.1	0.66	1.44	-0.3	7	98.7	0.90	0.90	0.00	1.06	14.7	15.5	UnDef	0.13
18.54	46.7	0.77	1.65	-0.4	7	98.7	0.91	0.91	0.00	1.05	14.9	15.7	UnDef	0.14
18.70	47.6	0.63	1.33	-0.1	7	98.7	0.91	0.91	0.00	1.05	15.2	15.9	UnDef	0.13
18.86	51.4	0.52	1.01	-1.1	7	98.7	0.92	0.92	0.00	1.04	16.4	17.1	UnDef	0.12
19.03	55.0	0.38	0.69	-0.1	8	101.8	0.93	0.93	0.00	1.04	13.2	13.7	UnDef	0.11
19.19	54.9	0.34	0.62	-0.4	8	101.8	0.94	0.94	0.00	1.03	13.1	13.6	UnDef	0.11
19.36	54.7	0.45	0.82	-0.3	7	98.7	0.95	0.95	0.00	1.03	17.5	17.9	UnDef	0.12
19.52	54.4	0.55	1.01	-0.3	7	98.7	0.95	0.95	0.00	1.02	17.4	17.8	UnDef	0.12
19.68	53.3	0.63	1.19	-0.7	7	98.7	0.96	0.96	0.00	1.02	17.0	17.3	UnDef	0.13
19.85	52.9	0.67	1.27	-0.3	7	98.7	0.97	0.97	0.00	1.01	16.9	17.1	UnDef	0.13
20.01	54.6	0.73	1.34	-0.4	7	98.7	0.98	0.98	0.00	1.01	17.4	17.6	UnDef	0.14
20.18	53.9	0.68	1.26	-0.4	7	98.7	0.99	0.99	0.00	1.01	17.2	17.3	UnDef	0.13
20.34	54.6	0.56	1.03	-0.6	7	98.7	1.00	1.00	0.00	1.00	17.4	17.5	UnDef	0.13
20.51	54.4	0.45	0.83	-0.4	7	98.7	1.00	1.00	0.00	1.00	17.4	17.3	UnDef	0.12
20.67	52.6	0.55	1.05	-0.3	7	98.7	1.01	1.01	0.00	0.99	16.8	16.7	UnDef	0.12
20.83	51.0	0.65	1.28	-0.2	7	98.7	1.02	1.02	0.00	0.99	16.3	16.1	UnDef	0.13
21.00	51.4	0.72	1.41	-0.2	7	98.7	1.03	1.03	0.00	0.99	16.4	16.2	UnDef	0.14
21.16	50.6	0.69	1.37	-0.3	7	98.7	1.04	1.04	0.00	0.98	16.1	15.9	UnDef	0.14
21.33	47.5	0.63	1.33	-0.4	7	98.7	1.04	1.04	0.00	0.98	15.2	14.8	UnDef	0.13
21.49	42.3	0.60	1.42	-1.0	7	98.7	1.05	1.05	0.00	0.98	13.5	13.2	UnDef	0.13
21.65	38.4	0.59	1.54	-0.3	7	98.7	1.06	1.06	0.00	0.97	12.3	11.9	UnDef	0.13
21.82	34.8	0.61	1.76	-0.3	6	98.7	1.07	1.07	0.00	0.97	13.3	12.9	2.69	0.15
21.98	34.6	0.61	1.77	0.5	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.68	0.16
22.15	34.6	0.60	1.74	2.2	6	98.7	1.08	1.08	0.00	0.96	13.2	12.7	2.68	0.15
.31	31.3	0.56	1.80	6.3	6	98.7	1.09	1.09	0.00	0.96	12.0	11.5	2.41	0.17
.47	31.3	0.59	1.89	10.1	6	98.7	1.10	1.10	0.00	0.95	12.0	11.4	2.41	0.19
22.64	42.6	0.44	1.03	19.5	7	98.7	1.11	1.11	0.00	0.95	13.6	12.9	UnDef	0.11
22.80	42.5	0.50	1.18	15.9	7	98.7	1.12	1.12	0.00	0.95	13.6	12.8	UnDef	0.12
22.97	37.3	0.45	1.21	-0.1	7	98.7	1.12	1.12	0.00	0.94	11.9	11.2	UnDef	0.12
23.13	30.6	0.53	1.74	0.7	6	98.7	1.13	1.13	0.00	0.94	11.7	11.0	2.36	0.18
23.29	33.0	0.49	1.49	10.7	6	98.7	1.14	1.14	0.00	0.94	12.6	11.8	2.55	0.14
23.46	33.8	0.50	1.48	11.2	6	98.7	1.15	1.15	0.00	0.93	12.9	12.1	2.61	0.14
23.62	41.0	0.73	1.78	13.8	7	98.7	1.16	1.16	0.00	0.93	13.1	12.2	UnDef	0.16
23.79	34.1	0.65	1.91	5.6	6	98.7	1.17	1.17	0.00	0.93	13.1	12.1	2.63	0.20
23.95	26.8	0.55	2.06	2.8	6	98.7	1.17	1.17	0.00	0.92	10.3	9.5	2.05	0.24
24.11	32.7	0.51	1.56	4.0	6	98.7	1.18	1.18	0.00	0.92	12.5	11.5	2.52	0.15
24.28	36.3	0.52	1.44	1.3	7	98.7	1.19	1.19	0.00	0.92	11.6	10.6	UnDef	0.14
24.44	40.9	0.70	1.72	2.1	7	98.7	1.20	1.20	0.00	0.91	13.1	11.9	UnDef	0.16
24.61	39.3	0.69	1.76	0.6	6	98.7	1.21	1.21	0.00	0.91	15.1	13.7	3.05	0.17
24.77	38.2	0.78	2.05	2.8	6	98.7	1.21	1.21	0.00	0.91	14.6	13.3	2.96	0.22
24.93	38.5	0.73	1.90	1.6	6	98.7	1.22	1.22	0.00	0.90	14.8	13.4	2.98	0.19
25.10	36.2	0.67	1.86	1.2	6	98.7	1.23	1.23	0.00	0.90	13.9	12.5	2.79	0.20
25.26	43.6	0.72	1.65	1.9	7	98.7	1.24	1.24	0.00	0.90	13.9	12.5	UnDef	0.16
25.43	45.4	0.88	1.94	-0.3	6	98.7	1.25	1.25	0.00	0.90	17.4	15.6	3.53	0.19
25.59	44.2	0.60	1.36	0.0	7	98.7	1.25	1.25	0.00	0.89	14.1	12.6	UnDef	0.13
25.75	54.5	0.53	0.97	1.9	7	98.7	1.26	1.26	0.00	0.89	17.4	15.5	UnDef	0.12
25.92	59.9	0.66	1.10	-0.8	7	98.7	1.27	1.27	0.00	0.89	19.1	17.0	UnDef	0.14
26.08	65.1	1.01	1.56	-0.6	7	98.7	1.28	1.28	0.00	0.88	20.8	18.4	UnDef	0.17
26.25	58.8	1.35	2.30	-0.8	6	98.7	1.29	1.29	0.00	0.88	22.5	19.8	4.60	0.26
26.41	54.0	1.40	2.60	-0.2	6	98.7	1.29	1.29	0.00	0.88	20.7	18.2	4.21	0.33
26.57	59.5	1.30	2.19	-0.5	6	98.7	1.30	1.30	0.00	0.88	22.8	20.0	4.65	0.24
26.74	72.6	0.99	1.37	-1.1	7	98.7	1.31	1.31	0.00	0.87	23.2	20.3	UnDef	0.17
26.90	77.5	0.79	1.02	-0.9	8	101.8	1.32	1.32	0.00	0.87	18.6	16.2	UnDef	0.16
27.07	78.9	0.76	0.97	-0.9	8	101.8	1.33	1.33	0.00	0.87	18.9	16.4	UnDef	0.16
27.23	87.6	0.73	0.84	-0.8	8	101.8	1.34	1.34	0.00	0.87	21.0	18.1	UnDef	0.16
27.39	90.0	0.83	0.92	-1.0	8	101.8	1.34	1.34	0.00	0.86	21.5	18.6	UnDef	0.17
56	92.2	0.87	0.95	-0.8	8	101.8	1.35	1.35	0.00	0.86	22.1	19.0	UnDef	0.18
.72	93.5	0.86	0.92	-0.8	8	101.8	1.36	1.36	0.00	0.86	22.4	19.2	UnDef	0.18
27.89	90.1	0.77	0.86	-0.6	8	101.8	1.37	1.37	0.00	0.85	21.6	18.4	UnDef	0.17

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

›th ›t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	84.6	0.75	0.89	-0.9	8	101.8	1.38	1.38	0.00	0.85	20.2	17.3	UnDef	0.16
28.21	85.2	0.59	0.69	-0.7	8	101.8	1.39	1.39	0.00	0.85	20.4	17.3	UnDef	0.15
28.38	89.0	0.60	0.68	-0.9	8	101.8	1.39	1.39	0.00	0.85	21.3	18.1	UnDef	0.15
28.54	91.5	0.64	0.70	-0.6	8	101.8	1.40	1.40	0.00	0.84	21.9	18.5	UnDef	0.16
28.71	118.0	0.72	0.61	-0.5	9	101.8	1.41	1.41	0.00	0.84	22.6	19.0	UnDef	0.20
28.87	152.2	0.87	0.57	-0.5	9	101.8	1.42	1.42	0.00	0.84	29.1	24.5	UnDef	0.29
29.04	172.8	0.02	0.01	-0.5	9	101.8	1.43	1.43	0.00	0.84	33.1	27.7	UnDef	0.34
29.20	182.3	0.02	0.01	-0.6	9	101.8	1.44	1.44	0.00	0.83	34.9	29.1	UnDef	0.39

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-4803
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-25
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 11:31
CPT File: 315CP25.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	752.4	0.44	10	8.8	0.0	8.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.4
0.33	1.7E-07	0.00	563.4	0.58	10	13.2	0.0	13.2	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.6
0.49	5.0E-06	0.00	526.5	1.93	12	19.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.66	5.0E-06	-0.01	727.3	2.30	12	35.9	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.82	5.0E-05	0.00	1000.0	2.09	12	75.4	UnDef	UnDef	0.0	50	88.7	10.0	-0.52	UnDef	UnDef
0.98	5.0E-04	0.00	1000.0	2.01	12	113.7	UnDef	UnDef	0.0	50	95.0	1.0	-0.51	UnDef	UnDef
1.15	5.0E-05	0.00	1000.0	2.18	12	106.8	UnDef	UnDef	0.0	50	93.0	10.0	-0.53	UnDef	UnDef
1.31	5.0E-04	0.00	752.0	1.64	12	83.1	UnDef	UnDef	0.0	50	83.6	1.0	-0.45	UnDef	UnDef
48	5.0E-04	0.00	559.3	0.49	10	70.5	0.0	70.5	0.0	50	77.0	1.0	-0.28	0.0	23.5
.64	5.0E-03	0.00	480.5	0.14	10	68.2	0.0	68.2	0.0	48	74.4	1.0	-0.16	0.0	17.0
1.80	5.0E-04	0.00	482.8	0.71	10	76.1	0.0	76.1	0.7	48	76.0	1.0	-0.30	0.0	25.4
1.97	5.0E-04	0.00	587.4	0.98	9	101.7	0.0	101.7	1.5	50	83.0	1.0	-0.35	0.0	33.9
2.13	5.0E-04	0.00	743.7	1.26	9	140.2	0.0	140.2	2.2	50	91.0	1.0	-0.41	0.0	46.7
2.30	5.0E-04	0.00	781.3	1.69	12	159.4	UnDef	UnDef	0.0	50	93.5	1.0	-0.46	UnDef	UnDef
2.46	5.0E-05	0.00	519.6	2.36	12	114.2	UnDef	UnDef	0.0	48	82.9	10.0	-0.48	UnDef	UnDef
2.62	5.0E-05	0.00	305.8	2.35	12	72.0	UnDef	UnDef	0.0	46	68.7	10.0	-0.42	UnDef	UnDef
2.79	5.0E-05	0.00	199.4	1.08	9	50.2	1.9	52.1	6.4	46	57.4	10.0	-0.26	0.5	20.5
2.95	5.0E-04	0.00	156.4	0.37	9	41.8	0.0	41.8	2.8	44	51.4	1.0	-0.14	0.0	13.9
3.12	5.0E-04	0.00	168.2	0.49	9	47.6	0.0	47.6	3.4	44	54.2	1.0	-0.17	0.0	15.9
3.28	5.0E-04	0.00	168.0	0.92	9	50.2	2.1	52.2	6.5	44	55.0	1.0	-0.23	0.4	17.1
3.44	5.0E-05	0.00	140.0	1.36	9	44.0	7.2	51.2	10.2	44	50.5	10.0	-0.25	1.7	19.3
3.61	5.0E-05	0.00	115.8	1.37	9	38.3	8.4	46.7	11.7	42	45.8	10.0	-0.23	1.9	17.3
3.77	5.0E-05	0.00	97.7	1.37	9	33.9	9.5	43.4	13.2	42	41.6	10.0	-0.22	2.1	15.7
3.94	5.0E-05	0.00	84.2	1.27	9	30.6	9.5	40.1	13.9	42	38.1	10.0	-0.19	2.1	14.4
4.10	5.0E-05	0.00	87.9	1.17	9	33.3	8.8	42.1	12.9	42	39.9	10.0	-0.19	2.0	15.3
4.27	5.0E-05	0.00	91.6	1.34	9	36.1	10.7	46.8	13.6	42	41.6	10.0	-0.21	2.4	16.9
4.43	5.0E-05	0.00	84.1	1.41	7	34.5	12.1	46.6	14.7	42	39.8	10.0	-0.20	2.7	16.5
4.59	5.0E-05	0.00	77.8	1.29	7	33.2	11.7	44.9	14.8	40	38.1	10.0	-0.19	2.6	15.8
4.76	5.0E-05	0.00	71.6	1.23	7	31.7	11.8	43.5	15.2	40	36.3	10.0	-0.17	2.6	15.3
4.92	5.0E-05	0.00	65.6	1.49	7	30.1	15.5	45.6	17.7	40	34.3	10.0	-0.19	3.3	15.3
5.09	5.0E-06	0.00	58.0	1.70	7	27.5	19.1	46.7	20.4	UnDef	UnDef	10.0	UnDef	4.7	18.5
5.25	5.0E-06	0.00	53.3	1.80	7	26.0	21.5	47.5	21.9	UnDef	UnDef	10.0	UnDef	5.1	18.1
5.41	5.0E-05	0.00	55.5	1.68	7	27.9	20.3	48.2	20.8	40	30.8	10.0	-0.18	3.9	14.9
5.58	5.0E-06	0.00	53.6	1.90	7	27.5	23.9	51.5	22.4	UnDef	UnDef	10.0	UnDef	5.5	19.0
5.74	5.0E-06	0.00	56.4	2.02	7	29.3	25.6	54.9	22.5	UnDef	UnDef	10.0	UnDef	5.9	20.3
5.91	5.0E-06	0.00	53.4	2.28	7	28.1	30.5	58.6	24.5	UnDef	UnDef	10.0	UnDef	6.6	20.4
6.07	5.0E-06	0.00	61.2	2.17	7	32.6	27.8	60.4	22.3	UnDef	UnDef	10.0	UnDef	6.5	22.4
6.23	5.0E-05	0.00	62.2	2.19	7	33.5	28.4	61.9	22.2	40	36.0	10.0	-0.23	5.3	18.4
6.40	5.0E-05	0.00	62.4	2.18	7	34.1	28.5	62.7	22.1	40	36.5	10.0	-0.22	5.3	18.7
56	5.0E-06	0.00	56.5	2.46	7	31.3	34.5	65.8	24.6	UnDef	UnDef	10.0	UnDef	7.5	22.8
73	5.0E-06	0.01	48.5	2.35	7	27.3	34.9	62.1	26.0	UnDef	UnDef	6.0	UnDef	7.2	20.6
.89	5.0E-06	0.02	43.9	2.19	7	25.0	33.7	58.7	26.5	UnDef	UnDef	6.0	UnDef	6.9	19.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	48.7	1.93	7	28.0	28.1	56.1	23.8	38	30.8	6.0	-0.18	5.0	15.9
7.22	5.0E-05	0.01	56.9	1.92	7	33.0	26.9	59.9	21.8	40	35.5	10.0	-0.20	5.0	18.0
7.38	5.0E-05	0.01	59.6	1.99	7	34.9	27.9	62.8	21.6	40	37.1	10.0	-0.21	5.3	18.9
7.55	5.0E-05	0.01	57.8	2.19	7	34.3	31.9	66.2	23.0	40	36.6	10.0	-0.22	5.8	19.2
7.71	5.0E-05	0.01	59.1	2.10	7	35.5	30.4	65.9	22.3	40	37.6	10.0	-0.21	5.6	19.5
7.87	5.0E-05	0.01	54.8	2.02	7	33.3	30.1	63.4	22.8	40	35.7	10.0	-0.20	5.5	18.5
8.04	5.0E-05	0.02	54.5	1.99	7	33.5	29.9	63.4	22.7	40	35.9	10.0	-0.20	5.5	18.6
8.20	5.0E-05	0.00	58.8	1.89	7	36.5	27.9	64.4	21.3	40	38.4	10.0	-0.20	5.3	19.6
8.37	5.0E-05	0.01	56.8	2.01	7	35.6	30.5	66.1	22.3	40	37.7	10.0	-0.20	5.7	19.6
8.53	5.0E-05	0.01	59.1	2.01	7	37.4	30.6	68.0	21.8	40	39.1	10.0	-0.21	5.7	20.4
8.69	5.0E-05	0.01	54.4	2.06	7	34.8	32.5	67.3	23.1	40	37.0	10.0	-0.20	5.9	19.5
8.86	5.0E-05	0.01	54.7	2.05	7	35.3	32.6	67.9	23.0	40	37.5	10.0	-0.20	5.9	19.8
9.02	5.0E-05	0.01	52.4	2.05	7	34.2	33.4	67.7	23.5	38	36.5	10.0	-0.20	6.0	19.4
9.19	5.0E-05	0.01	50.0	2.07	7	33.0	34.6	67.6	24.2	38	35.5	6.0	-0.19	6.1	19.0
9.35	5.0E-05	0.01	49.1	2.02	7	32.7	34.3	67.0	24.2	38	35.2	6.0	-0.19	6.0	18.8
9.51	5.0E-05	0.01	53.7	2.06	7	36.0	34.3	70.3	23.3	40	38.0	10.0	-0.20	6.2	20.3
9.68	5.0E-05	0.02	49.0	2.40	7	33.2	42.9	76.2	26.1	38	35.7	6.0	-0.21	7.1	20.1
9.84	5.0E-05	0.02	50.6	2.32	7	34.6	41.1	75.7	25.3	38	36.8	10.0	-0.21	7.0	20.5
10.01	5.0E-05	0.02	54.5	1.81	7	37.5	30.3	67.8	21.7	40	39.1	10.0	-0.19	5.7	20.4
10.17	5.0E-05	0.01	58.8	1.62	7	40.7	26.4	67.1	19.7	40	41.5	10.0	-0.18	5.2	21.1
10.33	5.0E-05	0.00	52.9	1.27	7	37.0	21.4	58.4	18.7	40	38.8	10.0	-0.15	4.3	18.8
10.50	5.0E-04	0.00	61.3	0.85	9	43.2	13.6	56.8	14.0	40	43.2	1.0	-0.13	2.5	16.6
10.66	5.0E-03	0.00	76.7	0.31	9	54.3	0.0	54.3	5.0	40	49.8	1.0	-0.06	0.0	13.3
10.83	5.0E-03	0.00	89.1	0.33	9	63.4	0.0	63.4	5.0	42	54.2	1.0	-0.08	0.0	15.5
10.99	5.0E-03	0.00	120.9	0.27	9	86.5	0.0	86.5	3.3	42	63.1	1.0	-0.09	0.0	21.2
11.15	5.0E-03	0.00	104.2	0.40	9	75.2	0.0	75.2	5.0	42	59.1	1.0	-0.11	0.0	18.4
11.32	5.0E-03	0.00	104.0	0.48	9	75.7	0.0	75.7	5.0	42	59.3	1.0	-0.13	0.0	18.5
11.48	5.0E-03	0.00	105.7	0.46	9	77.5	0.0	77.5	5.0	42	60.0	1.0	-0.13	0.0	19.0
11.65	5.0E-03	0.00	116.3	0.46	9	85.8	0.0	85.8	5.0	42	62.9	1.0	-0.13	0.0	21.0
81	5.0E-03	0.00	113.5	0.51	9	84.4	2.3	86.7	6.0	42	62.4	1.0	-0.14	0.3	21.0
.97	5.0E-03	0.00	106.9	0.55	9	80.1	3.9	84.1	6.8	42	60.9	1.0	-0.14	0.6	20.2
12.14	5.0E-03	0.00	100.5	0.55	9	75.9	4.6	80.5	7.1	42	59.4	1.0	-0.13	0.7	19.3
12.30	5.0E-03	0.00	88.8	0.49	9	67.7	0.0	67.7	5.0	42	56.1	1.0	-0.12	0.0	16.6
12.47	5.0E-03	0.00	85.3	0.49	9	65.5	0.0	65.5	5.0	42	55.1	1.0	-0.11	0.0	16.0
12.63	5.0E-03	0.00	90.9	0.38	9	70.2	0.0	70.2	5.0	42	57.1	1.0	-0.10	0.0	17.2
12.80	5.0E-03	0.00	87.9	0.37	9	68.4	0.0	68.4	5.0	42	56.4	1.0	-0.09	0.0	16.7
12.96	5.0E-03	0.00	86.1	0.33	9	67.4	0.0	67.4	5.0	42	56.0	1.0	-0.08	0.0	16.5
13.12	5.0E-03	0.00	78.2	0.40	9	61.7	0.0	61.7	5.0	42	53.5	1.0	-0.09	0.0	15.1
13.29	5.0E-03	0.00	77.5	0.56	9	61.6	8.1	69.6	9.3	40	53.4	1.0	-0.11	1.2	16.2
13.45	5.0E-03	0.00	80.7	0.76	9	64.5	11.6	76.1	10.7	42	54.7	1.0	-0.14	1.7	17.4
13.62	5.0E-03	0.00	87.6	0.80	9	70.4	11.6	82.0	10.3	42	57.2	1.0	-0.15	1.7	18.9
13.78	5.0E-03	0.00	90.3	0.73	9	73.0	10.0	83.0	9.5	42	58.3	1.0	-0.15	1.5	19.3
13.94	5.0E-03	0.00	103.7	0.54	9	84.3	4.5	88.7	6.9	42	62.4	1.0	-0.14	0.7	21.3
14.11	5.0E-03	0.00	141.8	0.56	9	115.7	0.0	115.7	4.9	44	71.4	1.0	-0.17	0.0	28.3
14.27	5.0E-02	0.00	177.5	0.63	9	145.4	0.0	145.4	4.2	44	78.0	1.0	-0.20	0.0	28.5
14.44	5.0E-02	0.00	178.3	0.71	9	147.0	0.0	147.0	4.7	44	78.3	1.0	-0.21	0.0	28.8
14.60	5.0E-02	0.00	166.3	0.68	9	137.9	0.0	137.9	4.9	44	76.5	1.0	-0.20	0.0	27.0
14.76	5.0E-02	0.00	154.7	0.60	9	129.2	0.0	129.2	4.8	44	74.6	1.0	-0.18	0.0	25.3
14.93	5.0E-02	0.00	152.4	0.54	9	128.0	0.0	128.0	4.4	44	74.3	1.0	-0.17	0.0	25.0
15.09	5.0E-02	0.00	143.0	0.54	9	120.8	0.0	120.8	4.8	44	72.7	1.0	-0.17	0.0	23.6
15.26	5.0E-03	0.00	114.1	0.57	9	97.1	3.8	100.9	6.4	42	66.4	1.0	-0.15	0.6	24.3
15.42	5.0E-03	0.00	88.0	0.56	9	75.5	7.2	82.7	8.3	42	59.2	1.0	-0.13	1.1	19.5
15.58	5.0E-03	0.00	75.6	0.77	9	65.3	13.3	78.6	11.3	40	55.1	1.0	-0.14	1.9	17.9
15.75	5.0E-04	0.00	68.7	1.14	7	59.8	21.8	81.6	15.0	40	52.5	1.0	-0.16	3.9	23.4
15.91	5.0E-04	0.00	68.9	1.65	7	60.3	32.6	92.9	18.1	40	52.8	1.0	-0.20	5.5	25.2
16.08	5.0E-04	0.00	68.8	2.03	7	60.5	41.3	101.7	20.2	40	52.9	1.0	-0.23	6.7	26.4
16.24	5.0E-04	0.00	67.0	1.79	7	59.2	36.4	95.6	19.3	40	52.2	1.0	-0.21	6.0	25.4
16.40	5.0E-04	0.00	74.8	1.49	7	66.4	29.0	95.3	16.4	40	55.5	1.0	-0.20	5.1	26.7
16.57	5.0E-04	0.00	71.0	1.68	7	63.4	33.6	97.0	18.0	40	54.2	1.0	-0.21	5.7	26.4
16.73	5.0E-05	0.00	61.8	2.14	7	55.5	46.2	101.7	22.0	40	50.4	10.0	-0.22	8.6	30.4
.90	5.0E-04	0.00	62.6	1.85	7	56.5	39.0	95.5	20.3	40	50.9	1.0	-0.20	6.3	24.8
06	5.0E-04	0.00	65.1	1.22	7	59.0	24.9	83.9	16.1	40	52.2	1.0	-0.16	4.4	23.6
.22	5.0E-04	0.00	62.4	1.34	7	56.9	27.9	84.8	17.3	40	51.1	1.0	-0.17	4.8	23.4
17.39	5.0E-05	0.00	47.4	2.09	7	43.6	50.1	93.7	25.0	38	43.5	6.0	-0.19	8.6	25.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	39.8	2.76	6	36.9	81.4	118.4	30.8	38	38.7	6.0	-0.21	10.9	25.4
17.72	5.0E-05	0.00	44.0	2.13	7	40.9	53.5	94.4	26.2	38	41.7	6.0	-0.18	8.8	24.8
17.88	5.0E-05	0.00	45.7	2.16	7	42.8	53.5	96.2	25.8	38	42.9	6.0	-0.19	8.9	25.7
18.04	5.0E-05	0.00	45.4	1.93	7	42.6	47.2	89.8	24.7	38	42.8	6.0	-0.17	8.2	24.9
18.21	5.0E-04	0.00	49.3	1.58	7	46.5	36.7	83.2	21.5	38	45.3	1.0	-0.16	5.8	20.9
18.37	5.0E-04	0.00	50.3	1.46	7	47.6	33.9	81.5	20.6	38	46.0	1.0	-0.16	5.5	21.0
18.54	5.0E-04	0.00	50.5	1.69	7	48.0	39.5	87.5	21.9	38	46.2	1.0	-0.17	6.2	21.8
18.70	5.0E-04	0.00	51.1	1.35	7	48.7	31.4	80.1	19.7	38	46.7	1.0	-0.15	5.2	21.1
18.86	5.0E-04	0.00	54.8	1.03	7	52.4	23.5	75.9	16.6	40	48.8	1.0	-0.13	4.1	21.2
19.03	5.0E-03	0.00	58.1	0.70	9	55.8	15.9	71.7	13.3	40	50.6	1.0	-0.11	2.2	15.8
19.19	5.0E-03	0.00	57.5	0.63	9	55.4	14.4	69.8	12.7	40	50.4	1.0	-0.10	2.0	15.6
19.36	5.0E-04	0.00	56.8	0.84	9	55.0	19.2	74.2	14.7	40	50.1	1.0	-0.12	3.5	21.4
19.52	5.0E-04	0.00	55.9	1.03	7	54.4	23.8	78.2	16.4	40	49.8	1.0	-0.14	4.2	21.9
19.68	5.0E-04	0.00	54.3	1.21	7	53.1	28.2	81.3	18.0	40	49.1	1.0	-0.15	4.8	22.1
19.85	5.0E-04	0.00	53.5	1.29	7	52.5	30.5	83.0	18.7	40	48.8	1.0	-0.15	5.1	22.2
20.01	5.0E-04	0.00	54.7	1.37	7	53.9	32.1	86.0	19.0	40	49.6	1.0	-0.16	5.4	23.0
20.18	5.0E-04	0.00	53.6	1.29	7	53.1	30.6	83.7	18.7	40	49.1	1.0	-0.15	5.1	22.5
20.34	5.0E-04	0.00	53.9	1.05	7	53.6	24.9	78.5	16.9	40	49.4	1.0	-0.13	4.3	21.8
20.51	5.0E-04	0.00	53.2	0.85	7	53.1	20.5	73.6	15.4	40	49.1	1.0	-0.11	3.7	21.0
20.67	5.0E-04	0.00	51.0	1.07	7	51.2	26.2	77.4	17.7	38	48.1	1.0	-0.13	4.5	21.2
20.83	5.0E-04	0.00	49.0	1.30	7	49.4	32.4	81.8	19.8	38	47.1	1.0	-0.14	5.3	21.4
21.00	5.0E-04	0.00	49.0	1.43	7	49.6	35.9	85.4	20.7	38	47.2	1.0	-0.15	5.8	21.9
21.16	5.0E-04	0.00	47.8	1.40	7	48.6	35.3	84.0	20.8	38	46.6	1.0	-0.15	5.7	21.5
21.33	5.0E-04	0.00	44.5	1.36	7	45.5	35.5	80.9	21.4	38	44.7	1.0	-0.14	5.6	20.4
21.49	5.0E-04	0.00	39.2	1.46	7	40.3	40.3	80.7	23.7	38	41.3	1.0	-0.13	6.0	19.1
21.65	5.0E-04	0.00	35.2	1.58	7	36.5	46.7	83.2	26.0	38	38.4	1.0	-0.13	6.4	18.3
21.82	5.0E-05	0.00	31.5	1.82	7	32.9	59.5	92.4	29.1	36	35.4	6.0	-0.13	8.7	21.6
21.98	5.0E-05	0.00	31.2	1.82	7	32.7	60.6	93.2	29.3	36	35.2	6.0	-0.13	8.8	21.5
22.15	5.0E-05	0.00	30.9	1.80	7	32.5	60.1	92.6	29.3	36	35.1	6.0	-0.13	8.7	21.4
22.31	5.0E-05	0.01	27.6	1.86	7	29.3	70.3	99.6	31.4	36	32.1	6.0	-0.12	9.1	20.5
22.47	5.0E-05	0.01	27.4	1.96	6	29.2	77.1	106.3	32.2	36	32.0	6.0	-0.12	9.5	20.9
22.64	5.0E-04	0.01	37.5	1.06	7	39.6	30.9	70.5	21.4	38	40.7	1.0	-0.10	4.9	17.8
22.80	5.0E-04	0.01	37.0	1.21	7	39.3	35.3	74.6	22.7	38	40.5	1.0	-0.11	5.4	18.2
22.97	5.0E-04	0.00	32.2	1.25	7	34.4	39.1	73.5	24.9	36	36.7	1.0	-0.10	5.6	16.8
23.13	5.0E-05	0.00	26.0	1.80	7	28.1	73.0	101.2	32.0	34	30.9	6.0	-0.11	9.1	20.1
23.29	5.0E-05	0.01	27.9	1.54	7	30.2	55.0	85.2	29.2	36	33.0	6.0	-0.10	8.0	19.8
23.46	5.0E-05	0.01	28.4	1.54	7	30.8	54.2	85.0	28.9	36	33.6	6.0	-0.10	8.0	20.1
23.62	5.0E-04	0.01	34.4	1.84	7	37.3	59.0	96.3	27.9	36	39.0	1.0	-0.14	7.6	19.7
23.79	5.0E-05	0.01	28.2	1.98	7	30.9	77.9	108.8	31.8	36	33.6	6.0	-0.13	9.8	21.9
23.95	5.0E-05	0.00	21.8	2.15	6	24.2	96.8	121.0	37.2	34	30.0	6.0	-0.11	9.5	18.9
24.11	5.0E-05	0.00	26.7	1.62	7	29.5	62.2	91.7	30.4	36	32.3	6.0	-0.10	8.5	20.0
24.28	5.0E-04	0.00	29.5	1.48	7	32.6	51.4	84.0	27.9	36	35.1	1.0	-0.10	6.6	17.2
24.44	5.0E-04	0.00	33.1	1.77	7	36.6	58.7	95.3	28.1	36	38.4	1.0	-0.13	7.5	19.4
24.61	5.0E-05	0.00	31.6	1.82	7	35.0	63.2	98.2	29.1	36	37.2	6.0	-0.13	9.2	22.9
24.77	5.0E-05	0.00	30.5	2.11	7	33.9	81.2	115.1	31.4	36	36.3	6.0	-0.14	10.5	23.8
24.93	5.0E-05	0.00	30.5	1.96	7	34.1	72.7	106.8	30.5	36	36.4	6.0	-0.13	9.9	23.3
25.10	5.0E-05	0.00	28.4	1.92	7	31.9	76.1	108.0	31.4	36	34.5	6.0	-0.12	9.8	22.3
25.26	5.0E-04	0.00	34.3	1.70	7	38.4	55.8	94.2	27.2	36	39.8	1.0	-0.13	7.4	19.9
25.43	5.0E-05	0.00	35.4	2.00	7	39.8	67.0	106.8	28.5	38	40.8	6.0	-0.15	10.1	25.6
25.59	5.0E-04	0.00	34.2	1.40	7	38.6	45.1	83.7	25.2	36	40.0	1.0	-0.11	6.4	19.0
25.75	5.0E-04	0.00	42.2	1.00	7	47.5	29.6	77.0	19.4	38	45.9	1.0	-0.11	4.9	20.4
25.92	5.0E-04	0.00	46.2	1.13	7	52.0	32.1	84.1	19.3	38	48.5	1.0	-0.12	5.3	22.3
26.08	5.0E-04	0.00	49.9	1.59	7	56.3	44.2	100.5	21.5	38	50.8	1.0	-0.16	7.0	25.3
26.25	5.0E-05	0.00	44.7	2.35	7	50.7	73.4	124.1	27.1	38	47.8	6.0	-0.20	11.6	31.5
26.41	5.0E-05	0.00	40.7	2.66	6	46.4	92.8	139.2	30.0	38	45.3	6.0	-0.20	13.0	31.2
26.57	5.0E-05	0.00	44.6	2.24	7	51.0	69.3	120.3	26.6	38	48.0	6.0	-0.19	11.2	31.2
26.74	5.0E-04	0.00	54.4	1.39	7	62.1	37.9	100.0	19.2	40	53.6	1.0	-0.16	6.3	26.5
26.90	5.0E-03	0.00	57.7	1.04	7	66.0	27.8	93.8	16.1	40	55.4	1.0	-0.14	3.7	19.8
27.07	5.0E-03	0.00	58.4	0.98	7	67.0	26.2	93.2	15.5	40	55.8	1.0	-0.14	3.5	19.9
27.23	5.0E-03	0.00	64.6	0.85	9	74.2	21.6	95.8	13.5	40	58.7	1.0	-0.13	3.0	21.1
27.39	5.0E-03	0.00	66.0	0.94	9	76.0	23.9	99.8	14.0	40	59.4	1.0	-0.14	3.3	21.9
27.56	5.0E-03	0.00	67.2	0.96	9	77.6	24.3	101.9	13.9	40	60.0	1.0	-0.15	3.3	22.3
27.72	5.0E-03	0.00	67.7	0.94	9	78.5	23.6	102.1	13.7	40	60.3	1.0	-0.14	3.2	22.4
27.89	5.0E-03	0.00	64.8	0.87	9	75.4	22.4	97.8	13.6	40	59.2	1.0	-0.13	3.1	21.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4803
CPT File: 315CP25.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-03	0.00	60.4	0.90	9	70.5	24.2	94.7	14.6	40	57.3	1.0	-0.13	3.3	20.5
28.21	5.0E-03	0.00	60.4	0.71	9	70.8	18.9	89.7	12.9	40	57.4	1.0	-0.11	2.6	20.0
28.38	5.0E-03	0.00	62.9	0.69	9	73.8	18.0	91.8	12.3	40	58.6	1.0	-0.11	2.5	20.6
28.54	5.0E-03	0.00	64.2	0.71	9	75.6	18.5	94.1	12.4	40	59.3	1.0	-0.12	2.6	21.1
28.71	5.0E-02	0.00	82.6	0.62	9	97.2	12.6	109.8	9.3	42	66.5	1.0	-0.13	1.5	20.5
28.87	5.0E-02	0.00	106.2	0.58	9	125.0	7.1	132.1	7.0	42	73.7	1.0	-0.14	0.9	25.3
29.04	5.0E-02	0.00	120.0	0.01	10	141.5	0.0	141.5	3.8	42	77.2	1.0	0.17	0.0	27.7
29.20	5.0E-02	0.00	126.0	0.01	10	148.9	0.0	148.9	3.6	44	78.7	1.0	0.17	0.0	29.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4847
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-26
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:02
CPT File: 315CP26.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.2	0.02	0.39	-0.3	1	74.5	0.01	0.01	0.00	2.00	2.5	5.0	0.41	0.00
0.33	6.5	0.02	0.31	-0.5	1	74.5	0.01	0.01	0.00	2.00	3.1	6.2	0.52	0.00
0.49	10.9	0.02	0.18	-1.0	6	98.7	0.02	0.02	0.00	2.00	4.2	8.4	0.87	0.00
0.66	9.4	0.02	0.21	-0.6	6	98.7	0.03	0.03	0.00	2.00	3.6	7.2	0.75	0.00
0.82	8.6	0.02	0.23	-0.3	1	74.5	0.03	0.03	0.00	2.00	4.1	8.3	0.69	0.00
0.98	9.7	0.02	0.21	-0.3	6	98.7	0.04	0.04	0.00	2.00	3.7	7.4	0.77	0.00
1.15	13.2	0.02	0.15	-0.3	6	98.7	0.05	0.05	0.00	2.00	5.0	10.1	1.05	0.00
.31	16.7	0.02	0.12	-0.5	7	98.7	0.06	0.06	0.00	2.00	5.3	10.7	UnDef	0.08
.48	19.9	0.02	0.10	-0.6	7	98.7	0.07	0.07	0.00	2.00	6.3	12.7	UnDef	0.09
1.64	23.5	0.08	0.34	-0.5	7	98.7	0.07	0.07	0.00	2.00	7.5	15.0	UnDef	0.09
1.80	37.1	0.53	1.43	-0.6	7	98.7	0.08	0.08	0.00	2.00	11.8	23.7	UnDef	0.11
1.97	57.2	1.02	1.79	-0.2	7	98.7	0.09	0.09	0.00	2.00	18.3	36.5	UnDef	0.00
2.13	54.6	1.36	2.50	0.3	6	98.7	0.10	0.10	0.00	2.00	20.9	41.8	4.36	0.00
2.30	41.6	1.19	2.87	1.6	6	98.7	0.11	0.11	0.00	2.00	15.9	31.9	3.32	0.00
2.46	33.9	0.91	2.69	0.5	6	98.7	0.11	0.11	0.00	2.00	13.0	26.0	2.70	0.00
2.62	26.7	0.68	2.55	-0.6	6	98.7	0.12	0.12	0.00	2.00	10.2	20.5	2.13	0.10
2.79	25.5	0.52	2.04	-0.7	6	98.7	0.13	0.13	0.00	2.00	9.8	19.6	2.03	0.10
2.95	20.3	0.38	1.87	0.6	6	98.7	0.14	0.14	0.00	2.00	7.8	15.6	1.61	0.09
3.12	18.0	0.29	1.62	-0.6	6	98.7	0.15	0.15	0.00	2.00	6.9	13.8	1.42	0.09
3.28	20.5	0.23	1.12	-5.3	6	98.7	0.15	0.15	0.00	2.00	7.9	15.7	1.63	0.09
3.44	20.7	0.31	1.50	-4.4	6	98.7	0.16	0.16	0.00	2.00	7.9	15.8	1.64	0.09
3.61	22.9	0.37	1.62	-1.4	6	98.7	0.17	0.17	0.00	2.00	8.8	17.6	1.82	0.09
3.77	23.8	0.42	1.77	-2.7	6	98.7	0.18	0.18	0.00	2.00	9.1	18.2	1.89	0.10
3.94	22.0	0.42	1.91	-2.0	6	98.7	0.19	0.19	0.00	2.00	8.4	16.9	1.75	0.10
4.10	18.0	0.34	1.89	-1.2	6	98.7	0.20	0.20	0.00	2.00	6.9	13.8	1.43	0.09
4.27	18.8	0.33	1.76	-2.8	6	98.7	0.20	0.20	0.00	2.00	7.2	14.4	1.49	0.09
4.43	20.8	0.42	2.03	-1.2	6	98.7	0.21	0.21	0.00	2.00	8.0	15.9	1.64	0.10
4.59	21.4	0.43	2.01	-1.5	6	98.7	0.22	0.22	0.00	2.00	8.2	16.4	1.69	0.10
4.76	18.6	0.38	2.05	-1.2	6	98.7	0.23	0.23	0.00	2.00	7.1	14.2	1.47	0.10
4.92	18.9	0.44	2.33	-1.4	5	85.3	0.24	0.24	0.00	2.00	9.0	18.1	1.49	0.10
5.09	24.8	0.56	2.26	-0.9	6	98.7	0.24	0.24	0.00	2.00	9.5	19.0	1.97	0.11
5.25	24.9	0.59	2.37	-0.7	6	98.7	0.25	0.25	0.00	2.00	9.5	19.0	1.97	0.12
5.41	21.8	0.52	2.39	-1.7	6	98.7	0.26	0.26	0.00	1.97	8.4	16.4	1.73	0.11
5.58	19.7	0.45	2.29	-1.2	5	85.3	0.27	0.27	0.00	1.94	9.4	18.2	1.55	0.11
5.74	18.1	0.47	2.60	-1.3	5	85.3	0.27	0.27	0.00	1.91	8.7	16.6	1.43	0.11
5.91	19.7	0.41	2.09	-1.2	6	98.7	0.28	0.28	0.00	1.89	7.5	14.2	1.55	0.10
6.07	21.9	0.37	1.69	-1.4	6	98.7	0.29	0.29	0.00	1.86	8.4	15.6	1.73	0.10
6.23	21.5	0.41	1.92	-1.7	6	98.7	0.30	0.30	0.00	1.83	8.2	15.1	1.69	0.10
.40	21.8	0.48	2.20	-1.0	6	98.7	0.31	0.31	0.00	1.81	8.4	15.1	1.72	0.11
56	23.6	0.53	2.25	4.6	6	98.7	0.31	0.31	0.00	1.79	9.0	16.1	1.86	0.11
.73	24.9	0.50	2.01	5.5	6	98.7	0.32	0.32	0.00	1.76	9.5	16.8	1.96	0.11
6.89	26.0	0.50	1.93	5.4	6	98.7	0.33	0.33	0.00	1.74	10.0	17.4	2.06	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	22.1	0.44	2.00	9.0	6	98.7	0.34	0.34	0.00	1.72	8.5	14.6	1.74	0.11
7.22	22.1	0.43	1.95	15.6	6	98.7	0.35	0.35	0.00	1.70	8.5	14.4	1.74	0.10
7.38	21.9	0.41	1.87	17.8	6	98.7	0.35	0.35	0.00	1.68	8.4	14.1	1.73	0.10
7.55	28.3	0.54	1.91	18.6	6	98.7	0.36	0.36	0.00	1.66	10.9	18.0	2.24	0.11
7.71	29.9	0.62	2.08	2.5	6	98.7	0.37	0.37	0.00	1.64	11.5	18.8	2.36	0.12
7.87	29.0	0.66	2.28	4.2	6	98.7	0.38	0.38	0.00	1.63	11.1	18.1	2.29	0.13
8.04	29.8	0.65	2.19	6.4	6	98.7	0.39	0.39	0.00	1.61	11.4	18.4	2.35	0.12
8.20	28.9	0.61	2.12	13.5	6	98.7	0.39	0.39	0.00	1.59	11.1	17.6	2.28	0.12
8.37	30.7	0.64	2.09	12.7	6	98.7	0.40	0.40	0.00	1.58	11.7	18.5	2.42	0.12
8.53	30.3	0.64	2.12	5.5	6	98.7	0.41	0.41	0.00	1.56	11.6	18.1	2.39	0.12
8.69	30.1	0.67	2.23	7.6	6	98.7	0.42	0.42	0.00	1.55	11.5	17.8	2.37	0.13
8.86	29.2	0.64	2.20	7.1	6	98.7	0.43	0.43	0.00	1.53	11.2	17.1	2.30	0.12
9.02	28.6	0.65	2.28	7.3	6	98.7	0.43	0.43	0.00	1.52	11.0	16.6	2.25	0.13
9.19	29.1	0.63	2.17	9.7	6	98.7	0.44	0.44	0.00	1.50	11.2	16.8	2.29	0.12
9.35	30.6	0.62	2.03	10.7	6	98.7	0.45	0.45	0.00	1.49	11.7	17.4	2.41	0.12
9.51	28.8	0.59	2.05	11.1	6	98.7	0.46	0.46	0.00	1.48	11.0	16.3	2.27	0.12
9.68	27.6	0.56	2.03	15.1	6	98.7	0.47	0.47	0.00	1.46	10.6	15.5	2.17	0.12
9.84	26.6	0.48	1.81	19.6	6	98.7	0.48	0.48	0.00	1.45	10.2	14.8	2.09	0.11
10.01	28.0	0.49	1.76	23.6	6	98.7	0.48	0.48	0.00	1.44	10.7	15.4	2.20	0.11
10.17	28.7	0.51	1.78	27.3	6	98.7	0.49	0.49	0.00	1.43	11.0	15.7	2.26	0.11
10.33	30.2	0.45	1.50	27.6	6	98.7	0.50	0.50	0.00	1.41	11.6	16.3	2.37	0.11
10.50	39.2	0.41	1.05	15.6	7	98.7	0.51	0.51	0.00	1.40	12.5	17.6	UnDef	0.11
10.66	40.7	0.31	0.76	-0.6	7	98.7	0.52	0.52	0.00	1.39	13.0	18.1	UnDef	0.11
10.83	39.9	0.26	0.65	-1.7	7	98.7	0.52	0.52	0.00	1.38	12.7	17.6	UnDef	0.10
10.99	46.3	0.25	0.54	-2.0	8	101.8	0.53	0.53	0.00	1.37	11.1	15.2	UnDef	0.11
11.15	46.6	0.24	0.52	-1.6	8	101.8	0.54	0.54	0.00	1.36	11.2	15.2	UnDef	0.11
11.32	46.1	0.28	0.61	-1.7	7	98.7	0.55	0.55	0.00	1.35	14.7	19.9	UnDef	0.11
11.48	50.0	0.29	0.58	-1.5	8	101.8	0.56	0.56	0.00	1.34	12.0	16.0	UnDef	0.12
11.65	54.3	0.35	0.65	-1.5	8	101.8	0.57	0.57	0.00	1.33	13.0	17.3	UnDef	0.12
.81	54.5	0.40	0.74	-1.7	8	101.8	0.57	0.57	0.00	1.32	13.0	17.2	UnDef	0.13
.97	54.6	0.40	0.73	-1.6	8	101.8	0.58	0.58	0.00	1.31	13.1	17.1	UnDef	0.13
12.14	55.9	0.42	0.75	-1.5	8	101.8	0.59	0.59	0.00	1.30	13.4	17.4	UnDef	0.13
12.30	57.8	0.47	0.82	-1.6	8	101.8	0.60	0.60	0.00	1.29	13.8	17.9	UnDef	0.13
12.47	58.2	0.51	0.88	-1.6	8	101.8	0.61	0.61	0.00	1.28	13.9	17.9	UnDef	0.14
12.63	59.5	0.52	0.88	-1.7	8	101.8	0.62	0.62	0.00	1.27	14.3	18.2	UnDef	0.14
12.80	58.2	0.54	0.93	-1.7	7	98.7	0.62	0.62	0.00	1.27	18.6	23.5	UnDef	0.14
12.96	58.8	0.52	0.89	-1.5	8	101.8	0.63	0.63	0.00	1.26	14.1	17.7	UnDef	0.14
13.12	57.0	0.52	0.91	-1.8	7	98.7	0.64	0.64	0.00	1.25	18.2	22.7	UnDef	0.13
13.29	54.2	0.50	0.92	-1.5	7	98.7	0.65	0.65	0.00	1.24	17.3	21.5	UnDef	0.13
13.45	54.5	0.46	0.85	-1.8	7	98.7	0.66	0.66	0.00	1.23	17.4	21.5	UnDef	0.13
13.62	55.6	0.39	0.70	-1.6	8	101.8	0.66	0.66	0.00	1.23	13.3	16.3	UnDef	0.12
13.78	46.4	0.47	1.01	-1.6	7	98.7	0.67	0.67	0.00	1.22	14.8	18.1	UnDef	0.12
13.94	40.2	0.68	1.69	-1.4	7	98.7	0.68	0.68	0.00	1.21	12.8	15.6	UnDef	0.13
14.11	42.9	0.69	1.61	-0.7	7	98.7	0.69	0.69	0.00	1.20	13.7	16.5	UnDef	0.13
14.27	55.9	0.71	1.27	-1.0	7	98.7	0.70	0.70	0.00	1.20	17.8	21.4	UnDef	0.14
14.44	77.0	0.69	0.90	-1.2	8	101.8	0.71	0.71	0.00	1.19	18.4	21.9	UnDef	0.18
14.60	80.9	0.69	0.86	-1.1	8	101.8	0.71	0.71	0.00	1.18	19.4	22.9	UnDef	0.19
14.76	69.1	0.63	0.91	-1.3	8	101.8	0.72	0.72	0.00	1.18	16.5	19.5	UnDef	0.16
14.93	60.7	0.49	0.81	-1.2	8	101.8	0.73	0.73	0.00	1.17	14.5	17.0	UnDef	0.13
15.09	56.3	0.76	1.35	-1.3	7	98.7	0.74	0.74	0.00	1.16	18.0	20.9	UnDef	0.15
15.26	51.8	0.88	1.70	-1.0	7	98.7	0.75	0.75	0.00	1.16	16.5	19.1	UnDef	0.15
15.42	55.5	1.15	2.08	1.2	7	98.7	0.75	0.75	0.00	1.15	17.7	20.4	UnDef	0.19
15.58	57.2	1.00	1.75	-0.5	7	98.7	0.76	0.76	0.00	1.15	18.3	20.9	UnDef	0.17
15.75	55.9	0.90	1.61	-0.2	7	98.7	0.77	0.77	0.00	1.14	17.8	20.3	UnDef	0.16
15.91	66.4	0.81	1.22	0.0	7	98.7	0.78	0.78	0.00	1.13	21.2	24.0	UnDef	0.16
16.08	74.0	0.67	0.91	0.2	8	101.8	0.79	0.79	0.00	1.13	17.7	20.0	UnDef	0.16
16.24	75.6	0.72	0.96	-1.0	8	101.8	0.80	0.80	0.00	1.12	18.1	20.3	UnDef	0.17
16.40	63.6	0.64	1.01	-1.2	8	101.8	0.80	0.80	0.00	1.12	15.2	17.0	UnDef	0.14
16.57	57.7	0.79	1.37	-1.3	7	98.7	0.81	0.81	0.00	1.11	18.4	20.4	UnDef	0.15
16.73	51.4	1.06	2.07	-0.6	6	98.7	0.82	0.82	0.00	1.10	19.7	21.8	4.05	0.18
.90	44.1	1.10	2.50	1.0	6	98.7	0.83	0.83	0.00	1.10	16.9	18.6	3.46	0.20
06	47.5	0.99	2.09	0.2	6	98.7	0.84	0.84	0.00	1.09	18.2	19.9	3.73	0.17
.22	50.0	0.74	1.48	-0.5	7	98.7	0.84	0.84	0.00	1.09	16.0	17.4	UnDef	0.14
17.39	52.4	0.69	1.32	-1.3	7	98.7	0.85	0.85	0.00	1.08	16.7	18.1	UnDef	0.14

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	51.5	0.71	1.38	-1.2	7	98.7	0.86	0.86	0.00	1.08	16.4	17.7	UnDef	0.14
17.72	51.1	0.83	1.63	-0.6	7	98.7	0.87	0.87	0.00	1.07	16.3	17.5	UnDef	0.15
17.88	46.6	0.98	2.11	-0.7	6	98.7	0.88	0.88	0.00	1.07	17.8	19.1	3.66	0.17
18.04	45.2	0.97	2.15	-0.1	6	98.7	0.88	0.88	0.00	1.06	17.3	18.4	3.55	0.17
18.21	43.1	0.98	2.28	-0.4	6	98.7	0.89	0.89	0.00	1.06	16.5	17.5	3.37	0.18
18.37	39.6	0.89	2.25	-0.3	6	98.7	0.90	0.90	0.00	1.05	15.2	16.0	3.10	0.18
18.54	42.3	0.90	2.13	3.3	6	98.7	0.91	0.91	0.00	1.05	16.2	17.0	3.31	0.17
18.70	36.2	0.72	1.99	4.7	6	98.7	0.92	0.92	0.00	1.04	13.9	14.5	2.82	0.16
18.86	36.4	0.67	1.84	7.7	6	98.7	0.93	0.93	0.00	1.04	14.0	14.5	2.84	0.14
19.03	41.9	0.57	1.37	2.5	7	98.7	0.93	0.93	0.00	1.04	13.4	13.8	UnDef	0.12
19.19	44.2	0.50	1.14	1.1	7	98.7	0.94	0.94	0.00	1.03	14.1	14.5	UnDef	0.12
19.36	47.2	0.42	0.89	0.4	7	98.7	0.95	0.95	0.00	1.03	15.1	15.5	UnDef	0.11
19.52	49.4	0.49	0.99	0.0	7	98.7	0.96	0.96	0.00	1.02	15.8	16.1	UnDef	0.12
19.68	51.5	0.59	1.15	0.2	7	98.7	0.97	0.97	0.00	1.02	16.4	16.7	UnDef	0.13
19.85	49.9	0.72	1.45	0.4	7	98.7	0.97	0.97	0.00	1.01	15.9	16.1	UnDef	0.14
20.01	49.8	0.77	1.55	0.4	7	98.7	0.98	0.98	0.00	1.01	15.9	16.1	UnDef	0.14
20.18	48.8	0.68	1.40	0.2	7	98.7	0.99	0.99	0.00	1.01	15.6	15.7	UnDef	0.13
20.34	48.4	0.60	1.24	-0.4	7	98.7	1.00	1.00	0.00	1.00	15.4	15.5	UnDef	0.13
20.51	51.0	0.53	1.04	-0.5	7	98.7	1.01	1.01	0.00	1.00	16.3	16.2	UnDef	0.12
20.67	51.6	0.54	1.05	-0.6	7	98.7	1.01	1.01	0.00	0.99	16.5	16.3	UnDef	0.12
20.83	55.2	0.62	1.13	-0.6	7	98.7	1.02	1.02	0.00	0.99	17.6	17.4	UnDef	0.13
21.00	58.6	0.65	1.11	-0.5	7	98.7	1.03	1.03	0.00	0.99	18.7	18.4	UnDef	0.13
21.16	53.7	0.64	1.20	-0.3	7	98.7	1.04	1.04	0.00	0.98	17.1	16.8	UnDef	0.13
21.33	47.3	0.59	1.25	-0.8	7	98.7	1.05	1.05	0.00	0.98	15.1	14.8	UnDef	0.13
21.49	43.2	0.53	1.23	-0.6	7	98.7	1.05	1.05	0.00	0.97	13.8	13.4	UnDef	0.12
21.65	39.1	0.61	1.56	-0.5	7	98.7	1.06	1.06	0.00	0.97	12.5	12.1	UnDef	0.14
21.82	37.7	0.70	1.86	-0.5	6	98.7	1.07	1.07	0.00	0.97	14.4	14.0	2.93	0.16
21.98	36.3	0.66	1.82	0.4	6	98.7	1.08	1.08	0.00	0.96	13.9	13.4	2.82	0.16
22.15	34.6	0.66	1.91	6.0	6	98.7	1.09	1.09	0.00	0.96	13.3	12.7	2.68	0.18
.31	36.2	0.74	2.05	12.8	6	98.7	1.10	1.10	0.00	0.96	13.9	13.3	2.81	0.19
.47	47.7	0.72	1.51	21.5	7	98.7	1.10	1.10	0.00	0.95	15.2	14.5	UnDef	0.14
22.64	60.4	0.67	1.11	27.2	7	98.7	1.11	1.11	0.00	0.95	19.3	18.3	UnDef	0.14
22.80	53.1	0.54	1.02	1.3	7	98.7	1.12	1.12	0.00	0.95	16.9	16.0	UnDef	0.12
22.97	48.3	0.52	1.08	0.3	7	98.7	1.13	1.13	0.00	0.94	15.4	14.5	UnDef	0.12
23.13	52.1	0.76	1.46	0.4	7	98.7	1.14	1.14	0.00	0.94	16.6	15.6	UnDef	0.14
23.29	44.3	0.91	2.06	1.2	6	98.7	1.14	1.14	0.00	0.94	17.0	15.9	3.45	0.19
23.46	36.6	0.89	2.44	2.5	6	98.7	1.15	1.15	0.00	0.93	14.0	13.0	2.83	0.33
23.62	36.1	0.57	1.58	5.5	6	98.7	1.16	1.16	0.00	0.93	13.8	12.8	2.79	0.15
23.79	45.8	0.61	1.34	7.1	7	98.7	1.17	1.17	0.00	0.93	14.6	13.5	UnDef	0.13
23.95	51.0	0.79	1.55	1.9	7	98.7	1.18	1.18	0.00	0.92	16.3	15.0	UnDef	0.15
24.11	49.7	0.85	1.71	3.4	7	98.7	1.18	1.18	0.00	0.92	15.9	14.6	UnDef	0.16
24.28	50.0	0.95	1.90	6.1	7	98.7	1.19	1.19	0.00	0.92	16.0	14.6	UnDef	0.18
24.44	49.5	1.03	2.09	2.5	6	98.7	1.20	1.20	0.00	0.91	18.9	17.3	3.86	0.21
24.61	50.5	0.92	1.82	3.2	7	98.7	1.21	1.21	0.00	0.91	16.1	14.7	UnDef	0.18
24.77	54.7	0.73	1.34	4.7	7	98.7	1.22	1.22	0.00	0.91	17.5	15.8	UnDef	0.14
24.93	54.7	0.49	0.90	1.4	7	98.7	1.22	1.22	0.00	0.90	17.5	15.8	UnDef	0.12
25.10	57.9	0.56	0.97	0.8	7	98.7	1.23	1.23	0.00	0.90	18.5	16.6	UnDef	0.13
25.26	60.5	0.66	1.09	0.6	7	98.7	1.24	1.24	0.00	0.90	19.3	17.3	UnDef	0.14
25.43	61.5	0.71	1.16	1.2	7	98.7	1.25	1.25	0.00	0.89	19.6	17.6	UnDef	0.14
25.59	65.9	0.55	0.84	0.2	8	101.8	1.26	1.26	0.00	0.89	15.8	14.1	UnDef	0.13
25.75	72.2	0.70	0.97	-0.5	8	101.8	1.27	1.27	0.00	0.89	17.3	15.4	UnDef	0.15
25.92	72.7	0.90	1.24	-0.1	7	98.7	1.27	1.27	0.00	0.89	23.2	20.6	UnDef	0.16
26.08	72.0	1.00	1.39	0.1	7	98.7	1.28	1.28	0.00	0.88	23.0	20.3	UnDef	0.17
26.25	70.4	0.94	1.34	-0.5	7	98.7	1.29	1.29	0.00	0.88	22.5	19.8	UnDef	0.17
26.41	75.1	0.74	0.99	-0.6	8	101.8	1.30	1.30	0.00	0.88	18.0	15.8	UnDef	0.15
26.57	74.5	0.72	0.97	-0.6	8	101.8	1.31	1.31	0.00	0.87	17.8	15.6	UnDef	0.15
26.74	72.2	0.74	1.03	-0.6	8	101.8	1.31	1.31	0.00	0.87	17.3	15.1	UnDef	0.15
26.90	73.0	0.89	1.22	-0.6	8	101.8	1.32	1.32	0.00	0.87	17.5	15.2	UnDef	0.16
27.07	71.8	0.88	1.23	-0.3	7	98.7	1.33	1.33	0.00	0.87	22.9	19.9	UnDef	0.16
27.23	67.6	0.94	1.39	-0.6	7	98.7	1.34	1.34	0.00	0.86	21.6	18.6	UnDef	0.17
.39	69.1	1.14	1.65	-0.5	7	98.7	1.35	1.35	0.00	0.86	22.0	19.0	UnDef	0.19
56	79.6	1.26	1.59	0.3	7	98.7	1.36	1.36	0.00	0.86	25.4	21.8	UnDef	0.21
.72	107.5	1.42	1.32	0.3	8	101.8	1.36	1.36	0.00	0.86	25.7	22.0	UnDef	0.25
27.89	132.3	1.49	1.13	-0.6	8	101.8	1.37	1.37	0.00	0.85	31.7	27.0	UnDef	0.31

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	154.3	1.68	1.09	-0.5	8	101.8	1.38	1.38	0.00	0.85	36.9	31.4	UnDef	0.40
28.21	178.2	1.96	1.10	-0.2	9	101.8	1.39	1.39	0.00	0.85	34.1	29.0	UnDef	0.00
28.38	192.4	0.02	0.01	0.2	10	127.3	1.40	1.40	0.00	0.85	30.7	26.0	UnDef	0.46
28.54	192.9	0.02	0.01	0.1	10	127.3	1.41	1.41	0.00	0.84	30.8	25.9	UnDef	0.45

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4847
'ob No: 99-315
ent: Stone & Webster Engineering
ojject: Private Fuel Storage Faclity
Site: CPT-26
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:02
CPT File: 315CP26.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	845.5	0.39	10	9.9	0.0	9.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.0
0.33	1.7E-07	0.00	527.2	0.31	10	12.4	0.0	12.4	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.2
0.49	5.0E-05	0.00	564.4	0.18	10	20.9	0.0	20.9	0.0	50	59.7	10.0	-0.19	0.0	8.4
0.66	5.0E-05	0.00	343.8	0.21	10	18.1	0.0	18.1	0.0	48	50.6	10.0	-0.16	0.0	7.2
0.82	1.7E-07	0.00	248.8	0.23	10	16.5	0.0	16.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.3
0.98	5.0E-05	0.00	232.4	0.21	10	18.6	0.0	18.6	0.0	46	45.4	10.0	-0.13	0.0	7.4
1.15	5.0E-05	0.00	263.8	0.15	10	25.2	0.0	25.2	0.0	46	51.5	10.0	-0.11	0.0	10.1
1.31	5.0E-04	0.00	288.6	0.12	10	32.1	0.0	32.1	0.0	46	56.3	1.0	-0.10	0.0	10.7
48	5.0E-04	0.00	300.5	0.10	10	38.0	0.0	38.0	0.0	46	59.3	1.0	-0.09	0.0	12.7
.64	5.0E-04	0.00	316.7	0.34	10	45.0	0.0	45.0	0.0	46	62.5	1.0	-0.20	0.0	15.0
1.80	5.0E-04	0.00	451.2	1.43	9	71.1	0.0	71.1	4.4	48	74.1	1.0	-0.37	0.0	23.7
1.97	5.0E-04	0.00	633.1	1.79	12	109.5	UnDef	UnDef	0.0	50	85.1	1.0	-0.44	UnDef	UnDef
2.13	5.0E-05	0.00	554.2	2.50	12	104.5	UnDef	UnDef	0.0	50	82.5	10.0	-0.50	UnDef	UnDef
2.30	5.0E-05	0.00	390.1	2.88	12	79.7	UnDef	UnDef	0.0	48	73.6	10.0	-0.50	UnDef	UnDef
2.46	5.0E-05	0.00	295.4	2.70	12	65.0	UnDef	UnDef	0.0	46	66.7	10.0	-0.44	UnDef	UnDef
2.62	5.0E-05	0.00	216.9	2.56	7	51.1	12.9	64.0	12.5	46	58.9	10.0	-0.40	2.9	23.4
2.79	5.0E-05	0.00	194.6	2.05	9	48.9	9.8	58.7	11.2	44	56.7	10.0	-0.34	2.3	21.8
2.95	5.0E-05	0.00	145.5	1.89	9	38.9	9.9	48.8	12.6	44	49.3	10.0	-0.30	2.3	17.8
3.12	5.0E-05	0.00	121.3	1.63	9	34.4	9.0	43.4	12.8	42	44.9	10.0	-0.26	2.1	15.8
3.28	5.0E-05	-0.01	131.6	1.13	9	39.4	5.2	44.5	9.4	44	48.0	10.0	-0.23	1.2	17.0
3.44	5.0E-05	-0.01	125.9	1.51	9	39.6	8.9	48.5	11.9	44	47.5	10.0	-0.25	2.1	17.9
3.61	5.0E-05	0.00	133.0	1.63	9	43.9	10.2	54.1	12.0	44	49.7	10.0	-0.27	2.3	19.9
3.77	5.0E-05	0.00	131.6	1.79	9	45.5	12.1	57.6	12.9	44	50.1	10.0	-0.28	2.8	21.0
3.94	5.0E-05	0.00	116.7	1.93	7	42.2	14.5	56.7	14.6	42	47.3	10.0	-0.28	3.2	20.1
4.10	5.0E-05	0.00	91.2	1.91	7	34.5	15.7	50.2	16.7	42	40.9	10.0	-0.25	3.4	17.2
4.27	5.0E-05	0.00	91.3	1.78	7	36.0	15.0	51.0	16.0	42	41.5	10.0	-0.24	3.3	17.6
4.43	5.0E-05	0.00	97.1	2.05	7	39.8	18.3	58.0	16.8	42	43.8	10.0	-0.26	3.9	19.8
4.59	5.0E-05	0.00	96.4	2.04	7	41.0	18.8	59.8	16.8	42	44.2	10.0	-0.26	4.0	20.4
4.76	5.0E-05	0.00	80.6	2.08	7	35.6	20.6	56.2	18.8	42	39.6	10.0	-0.25	4.2	18.5
4.92	5.0E-06	0.00	79.3	2.36	7	36.2	24.9	61.1	20.3	UnDef	UnDef	10.0	UnDef	6.2	24.3
5.09	5.0E-05	0.00	101.3	2.28	7	47.6	23.7	71.3	17.5	42	47.0	10.0	-0.29	5.0	24.0
5.25	5.0E-05	0.00	98.3	2.40	7	47.7	26.2	73.9	18.3	42	46.6	10.0	-0.29	5.4	24.5
5.41	5.0E-05	0.00	83.3	2.42	7	41.8	27.9	69.7	20.0	42	42.4	10.0	-0.27	5.5	21.9
5.58	5.0E-06	0.00	72.8	2.32	7	37.3	27.9	65.2	21.0	UnDef	UnDef	10.0	UnDef	6.7	24.9
5.74	5.0E-06	0.00	65.3	2.64	7	33.9	33.8	67.7	23.7	UnDef	UnDef	10.0	UnDef	7.5	24.1
5.91	5.0E-05	0.00	69.0	2.12	7	36.3	26.0	62.3	20.6	40	38.2	10.0	-0.23	5.0	19.2
6.07	5.0E-05	0.00	74.8	1.72	7	39.9	20.4	60.2	17.7	40	40.9	10.0	-0.21	4.2	19.8
6.23	5.0E-05	0.00	71.2	1.94	7	38.5	24.0	62.5	19.4	40	39.9	10.0	-0.22	4.8	19.8
6.40	5.0E-05	0.00	70.5	2.23	7	38.7	28.7	67.4	20.9	40	40.0	10.0	-0.24	5.5	20.6
.56	5.0E-05	0.01	74.3	2.28	7	41.2	29.4	70.7	20.6	40	41.9	10.0	-0.25	5.7	21.8
73	5.0E-05	0.01	76.4	2.04	7	42.9	26.0	69.0	19.1	40	43.0	10.0	-0.24	5.2	22.0
.89	5.0E-05	0.01	78.0	1.95	7	44.4	24.9	69.3	18.5	40	44.0	10.0	-0.23	5.0	22.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	64.4	2.03	7	37.2	27.6	64.7	20.9	40	38.9	10.0	-0.22	5.3	19.8
7.22	5.0E-05	0.02	63.0	1.98	7	36.8	27.3	64.1	20.9	40	38.6	10.0	-0.21	5.2	19.6
7.38	5.0E-05	0.03	61.0	1.91	7	36.1	26.7	62.7	20.9	40	38.0	10.0	-0.20	5.1	19.2
7.55	5.0E-05	0.02	77.2	1.94	7	46.1	25.9	72.0	18.5	40	45.1	10.0	-0.23	5.2	23.3
7.71	5.0E-05	0.00	79.8	2.10	7	48.1	28.7	76.8	19.0	42	46.3	10.0	-0.25	5.7	24.6
7.87	5.0E-05	0.00	75.7	2.31	7	46.2	32.7	78.9	20.5	40	45.1	10.0	-0.25	6.3	24.4
8.04	5.0E-05	0.01	76.1	2.22	7	46.9	31.4	78.3	20.0	40	45.6	10.0	-0.25	6.1	24.5
8.20	5.0E-05	0.01	72.2	2.15	7	45.0	31.0	75.9	20.3	40	44.4	10.0	-0.24	6.0	23.6
8.37	5.0E-05	0.01	75.2	2.12	7	47.3	30.5	77.8	19.7	40	45.8	10.0	-0.24	6.0	24.5
8.53	5.0E-05	0.01	72.8	2.15	7	46.3	31.5	77.8	20.2	40	45.2	10.0	-0.24	6.1	24.3
8.69	5.0E-05	0.01	70.8	2.27	7	45.5	34.1	79.6	21.1	40	44.7	10.0	-0.24	6.5	24.3
8.86	5.0E-05	0.01	67.3	2.23	7	43.7	34.2	77.9	21.5	40	43.5	10.0	-0.24	6.5	23.6
9.02	5.0E-05	0.01	64.8	2.31	7	42.4	36.4	78.8	22.3	40	42.7	10.0	-0.24	6.7	23.4
9.19	5.0E-05	0.01	64.7	2.20	7	42.8	34.7	77.5	21.8	40	43.0	10.0	-0.23	6.5	23.3
9.35	5.0E-05	0.01	66.8	2.06	7	44.6	32.2	76.7	20.7	40	44.1	10.0	-0.22	6.2	23.6
9.51	5.0E-05	0.01	61.7	2.09	7	41.6	33.6	75.2	21.7	40	42.1	10.0	-0.22	6.3	22.6
9.68	5.0E-05	0.02	58.1	2.07	7	39.5	34.1	73.6	22.3	40	40.7	10.0	-0.21	6.3	21.8
9.84	5.0E-05	0.02	55.0	1.84	7	37.8	30.7	68.4	21.8	40	39.4	10.0	-0.19	5.8	20.5
10.01	5.0E-05	0.03	56.8	1.79	7	39.4	29.6	69.0	21.1	40	40.5	10.0	-0.19	5.7	21.1
10.17	5.0E-05	0.03	57.5	1.81	7	40.1	30.2	70.3	21.1	40	41.1	10.0	-0.19	5.8	21.5
10.33	5.0E-05	0.03	59.4	1.52	7	41.7	25.0	66.7	19.0	40	42.2	10.0	-0.17	5.0	21.3
10.50	5.0E-04	0.01	76.3	1.06	9	53.9	15.7	69.6	13.4	40	49.5	1.0	-0.17	2.9	20.5
10.66	5.0E-04	0.00	77.9	0.77	9	55.4	10.8	66.2	11.1	40	50.4	1.0	-0.14	2.1	20.1
10.83	5.0E-04	0.00	75.1	0.66	9	53.9	9.3	63.2	10.5	40	49.6	1.0	-0.12	1.8	19.4
10.99	5.0E-03	0.00	86.0	0.55	9	62.1	6.1	68.2	8.3	42	53.6	1.0	-0.12	0.9	16.1
11.15	5.0E-03	0.00	85.3	0.52	9	62.1	5.7	67.8	8.2	42	53.6	1.0	-0.12	0.8	16.0
11.32	5.0E-04	0.00	83.0	0.62	9	60.9	7.8	68.7	9.2	42	53.1	1.0	-0.13	1.5	21.4
11.48	5.0E-03	0.00	88.8	0.59	9	65.6	6.6	72.2	8.4	42	55.2	1.0	-0.13	1.0	17.0
11.65	5.0E-03	0.00	95.1	0.65	9	70.7	7.2	77.9	8.5	42	57.3	1.0	-0.14	1.1	18.4
.81	5.0E-03	0.00	94.0	0.74	9	70.4	9.1	79.5	9.3	42	57.2	1.0	-0.16	1.3	18.6
.97	5.0E-03	0.00	92.8	0.74	9	70.1	9.2	79.3	9.4	42	57.1	1.0	-0.15	1.3	18.5
12.14	5.0E-03	0.00	93.7	0.76	9	71.2	9.6	80.8	9.4	42	57.5	1.0	-0.16	1.4	18.8
12.30	5.0E-03	0.00	95.6	0.82	9	73.1	10.6	83.7	9.8	42	58.3	1.0	-0.17	1.5	19.4
12.47	5.0E-03	0.00	94.9	0.89	9	73.1	12.0	85.1	10.3	42	58.3	1.0	-0.17	1.7	19.6
12.63	5.0E-03	0.00	95.7	0.88	9	74.3	12.0	86.2	10.2	42	58.7	1.0	-0.17	1.7	19.9
12.80	5.0E-04	0.00	92.3	0.94	9	72.1	13.5	85.6	10.9	42	57.9	1.0	-0.17	2.6	26.1
12.96	5.0E-03	0.00	92.0	0.90	9	72.3	12.7	85.1	10.6	42	58.0	1.0	-0.17	1.8	19.5
13.12	5.0E-04	0.00	88.0	0.93	9	69.7	13.8	83.5	11.2	42	56.9	1.0	-0.17	2.6	25.4
13.29	5.0E-04	0.00	82.7	0.94	9	65.9	14.7	80.6	11.8	42	55.3	1.0	-0.16	2.8	24.3
13.45	5.0E-04	0.00	82.1	0.86	9	65.9	13.3	79.2	11.3	42	55.3	1.0	-0.15	2.5	24.0
13.62	5.0E-03	0.00	82.7	0.71	9	66.8	10.5	77.3	10.1	42	55.7	1.0	-0.14	1.5	17.9
13.78	5.0E-04	0.00	68.0	1.03	9	55.4	18.4	73.8	14.3	40	50.3	1.0	-0.15	3.3	21.4
13.94	5.0E-04	0.00	58.1	1.72	7	47.7	33.6	81.3	20.5	40	46.1	1.0	-0.19	5.4	21.0
14.11	5.0E-04	0.00	61.2	1.64	7	50.5	31.5	82.1	19.4	40	47.7	1.0	-0.19	5.2	21.7
14.27	5.0E-04	0.00	79.2	1.29	7	65.5	22.6	88.1	14.6	42	55.2	1.0	-0.19	4.1	25.5
14.44	5.0E-03	0.00	108.2	0.91	9	89.7	11.9	101.6	9.4	42	64.2	1.0	-0.19	1.7	23.7
14.60	5.0E-03	0.00	112.3	0.86	9	93.7	10.5	104.2	8.8	42	65.4	1.0	-0.18	1.5	24.5
14.76	5.0E-03	0.00	94.7	0.92	9	79.5	13.9	93.4	10.6	42	60.7	1.0	-0.17	2.0	21.5
14.93	5.0E-03	0.00	82.2	0.82	9	69.6	13.2	82.8	11.0	42	56.9	1.0	-0.15	1.9	18.9
15.09	5.0E-04	0.00	75.2	1.37	7	64.1	25.3	89.4	15.6	40	54.5	1.0	-0.19	4.5	25.4
15.26	5.0E-04	0.00	68.4	1.73	7	58.7	33.7	92.4	18.7	40	52.0	1.0	-0.21	5.7	24.8
15.42	5.0E-04	0.00	72.6	2.10	7	62.5	41.8	104.3	20.0	40	53.8	1.0	-0.24	6.8	27.2
15.58	5.0E-04	0.00	74.0	1.78	7	64.1	34.5	98.6	18.1	40	54.5	1.0	-0.22	5.9	26.8
15.75	5.0E-04	0.00	71.5	1.64	7	62.3	31.9	94.2	17.7	40	53.7	1.0	-0.20	5.5	25.8
15.91	5.0E-04	0.00	84.2	1.24	9	73.6	22.2	95.8	13.7	42	58.5	1.0	-0.19	4.1	28.1
16.08	5.0E-03	0.00	93.1	0.92	9	81.7	14.5	96.2	10.7	42	61.5	1.0	-0.17	2.1	22.1
16.24	5.0E-03	0.00	94.0	0.97	9	82.9	15.6	98.5	10.9	42	61.9	1.0	-0.18	2.2	22.5
16.40	5.0E-03	0.00	78.1	1.02	9	69.4	18.7	88.1	12.9	42	56.8	1.0	-0.17	2.6	19.6
16.57	5.0E-04	0.00	70.0	1.39	7	62.6	27.6	90.3	16.5	40	53.9	1.0	-0.18	4.8	25.3
16.73	5.0E-05	0.00	61.7	2.10	7	55.6	45.2	100.8	21.8	40	50.4	10.0	-0.22	8.5	30.2
.90	5.0E-05	0.00	52.2	2.55	7	47.4	60.7	108.1	26.0	38	45.9	10.0	-0.23	10.0	28.6
06	5.0E-05	0.00	55.8	2.13	7	50.8	47.8	98.5	23.1	40	47.9	10.0	-0.21	8.6	28.5
.22	5.0E-04	0.00	58.2	1.51	7	53.3	32.4	85.7	19.2	40	49.2	1.0	-0.17	5.4	22.8
17.39	5.0E-04	0.00	60.4	1.34	7	55.5	28.5	84.0	17.7	40	50.4	1.0	-0.17	4.9	23.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	58.8	1.41	7	54.3	30.3	84.6	18.4	40	49.8	1.0	-0.17	5.1	22.8
17.72	5.0E-04	0.00	57.8	1.66	7	53.7	36.4	90.0	20.1	40	49.4	1.0	-0.18	5.9	23.4
17.88	5.0E-05	0.00	52.1	2.15	7	48.7	50.6	99.3	24.1	38	46.6	10.0	-0.20	8.9	28.0
18.04	5.0E-05	0.00	50.1	2.19	7	47.1	52.8	99.9	24.8	38	45.7	10.0	-0.20	9.1	27.5
18.21	5.0E-05	0.00	47.2	2.33	7	44.6	58.7	103.3	26.3	38	44.1	6.0	-0.20	9.6	27.1
18.37	5.0E-05	0.00	43.0	2.31	7	40.8	61.0	101.8	27.4	38	41.6	6.0	-0.19	9.6	25.6
18.54	5.0E-05	0.00	45.5	2.18	7	43.4	55.4	98.8	26.0	38	43.4	6.0	-0.19	9.2	26.2
18.70	5.0E-05	0.00	38.4	2.05	7	37.0	56.2	93.2	27.6	38	38.8	6.0	-0.16	8.8	23.2
18.86	5.0E-05	0.01	38.4	1.89	7	37.1	51.2	88.3	26.7	38	38.8	6.0	-0.15	8.3	22.8
19.03	5.0E-04	0.00	43.8	1.40	7	42.4	34.6	77.0	21.8	38	42.7	1.0	-0.14	5.4	19.2
19.19	5.0E-04	0.00	45.9	1.16	7	44.5	28.5	73.0	19.6	38	44.1	1.0	-0.13	4.7	19.2
19.36	5.0E-04	0.00	48.7	0.91	7	47.4	22.2	69.6	17.0	38	45.9	1.0	-0.11	3.9	19.3
19.52	5.0E-04	0.00	50.6	1.01	7	49.4	24.3	73.7	17.4	38	47.0	1.0	-0.12	4.2	20.3
19.68	5.0E-04	0.00	52.3	1.17	7	51.3	27.7	79.0	18.1	38	48.1	1.0	-0.14	4.7	21.4
19.85	5.0E-04	0.00	50.2	1.48	7	49.5	35.6	85.1	20.7	38	47.1	1.0	-0.16	5.7	21.9
20.01	5.0E-04	0.00	49.7	1.58	7	49.2	38.6	87.8	21.5	38	47.0	1.0	-0.16	6.1	22.1
20.18	5.0E-04	0.00	48.3	1.43	7	48.0	35.2	83.2	20.8	38	46.2	1.0	-0.15	5.6	21.3
20.34	5.0E-04	0.00	47.4	1.27	7	47.4	31.6	79.0	20.0	38	45.9	1.0	-0.14	5.2	20.6
20.51	5.0E-04	0.00	49.7	1.06	7	49.8	26.2	76.0	17.9	38	47.3	1.0	-0.13	4.5	20.7
20.67	5.0E-04	0.00	49.8	1.07	7	50.1	26.5	76.6	18.0	38	47.5	1.0	-0.13	4.5	20.9
20.83	5.0E-04	0.00	53.0	1.15	7	53.4	27.8	81.2	17.8	40	49.3	1.0	-0.14	4.8	22.2
21.00	5.0E-04	0.00	55.9	1.13	7	56.5	27.0	83.5	17.1	40	50.9	1.0	-0.14	4.7	23.1
21.16	5.0E-04	0.00	50.7	1.22	7	51.5	30.3	81.8	18.9	38	48.3	1.0	-0.14	5.1	21.9
21.33	5.0E-04	0.00	44.2	1.28	7	45.3	33.4	78.7	20.9	38	44.6	1.0	-0.13	5.3	20.1
21.49	5.0E-04	0.00	40.0	1.26	7	41.2	34.5	75.7	22.1	38	41.9	1.0	-0.12	5.4	18.8
21.65	5.0E-04	0.00	35.8	1.61	7	37.1	47.2	84.3	26.0	38	38.9	1.0	-0.13	6.5	18.6
21.82	5.0E-05	0.00	34.2	1.92	7	35.6	60.2	95.9	28.5	36	37.7	6.0	-0.14	9.0	23.0
21.98	5.0E-05	0.00	32.7	1.88	7	34.2	60.7	95.0	28.9	36	36.6	6.0	-0.14	8.9	22.3
22.15	5.0E-05	0.01	30.8	1.97	7	32.5	68.7	101.2	30.4	36	35.0	6.0	-0.13	9.4	22.1
31	5.0E-05	0.01	32.1	2.11	7	33.9	73.3	107.2	30.6	36	36.2	6.0	-0.15	9.9	23.2
22.47	5.0E-04	0.01	42.2	1.55	7	44.4	42.6	87.0	23.3	38	44.0	1.0	-0.14	6.4	20.9
22.64	5.0E-04	0.01	53.4	1.13	7	56.1	28.6	84.7	17.6	40	50.7	1.0	-0.14	4.9	23.2
22.80	5.0E-04	0.00	46.4	1.04	7	49.1	27.9	77.0	18.6	38	46.9	1.0	-0.12	4.7	20.7
22.97	5.0E-04	0.00	41.8	1.11	7	44.5	30.8	75.3	20.3	38	44.1	1.0	-0.11	5.0	19.5
23.13	5.0E-04	0.00	44.8	1.50	7	47.8	40.7	88.5	22.2	38	46.1	1.0	-0.15	6.3	21.9
23.29	5.0E-05	0.00	37.7	2.12	7	40.5	66.3	106.8	28.2	38	41.4	6.0	-0.16	10.1	25.9
23.46	5.0E-05	0.00	30.7	2.52	6	33.3	105.9	139.3	33.5	36	35.8	6.0	-0.16	11.8	24.9
23.62	5.0E-05	0.00	30.1	1.64	7	32.8	56.4	89.1	28.7	36	35.3	6.0	-0.11	8.4	21.2
23.79	5.0E-04	0.00	38.2	1.37	7	41.4	40.3	81.7	23.5	38	42.0	1.0	-0.12	6.0	19.5
23.95	5.0E-04	0.00	42.3	1.59	7	46.0	45.2	91.2	23.6	38	45.0	1.0	-0.15	6.7	21.7
24.11	5.0E-04	0.00	41.0	1.76	7	44.7	51.3	96.0	25.0	38	44.2	1.0	-0.15	7.3	21.9
24.28	5.0E-04	0.00	41.0	1.95	7	44.9	58.2	103.1	26.2	38	44.3	1.0	-0.16	8.0	22.6
24.44	5.0E-05	0.00	40.2	2.14	7	44.2	66.3	110.5	27.5	38	43.9	6.0	-0.17	10.4	27.7
24.61	5.0E-04	0.00	40.8	1.87	7	45.0	55.9	100.9	25.7	38	44.4	1.0	-0.16	7.8	22.5
24.77	5.0E-04	0.00	44.0	1.37	7	48.5	38.7	87.2	21.6	38	46.6	1.0	-0.14	6.1	21.9
24.93	5.0E-04	0.00	43.7	0.92	7	48.4	26.6	75.0	18.3	38	46.5	1.0	-0.10	4.5	20.3
25.10	5.0E-04	0.00	46.0	0.99	7	51.0	28.0	79.1	18.3	38	48.0	1.0	-0.11	4.7	21.4
25.26	5.0E-04	0.00	47.8	1.12	7	53.1	31.0	84.2	18.8	38	49.2	1.0	-0.13	5.2	22.5
25.43	5.0E-04	0.00	48.2	1.18	7	53.8	32.8	86.6	19.2	38	49.5	1.0	-0.13	5.4	23.0
25.59	5.0E-03	0.00	51.4	0.85	7	57.5	23.5	81.0	15.9	38	51.4	1.0	-0.11	3.1	17.2
25.75	5.0E-03	0.00	56.1	0.99	7	62.8	26.2	89.0	16.0	40	54.0	1.0	-0.13	3.5	18.8
25.92	5.0E-04	0.00	56.1	1.26	7	63.0	33.5	96.6	18.0	40	54.0	1.0	-0.15	5.7	26.3
26.08	5.0E-04	0.00	55.2	1.42	7	62.2	38.0	100.3	19.2	40	53.7	1.0	-0.16	6.3	26.6
26.25	5.0E-04	0.00	53.6	1.36	7	60.7	37.0	97.7	19.2	40	52.9	1.0	-0.16	6.1	25.9
26.41	5.0E-03	0.00	56.8	1.01	7	64.5	26.8	91.3	16.0	40	54.7	1.0	-0.13	3.6	19.3
26.57	5.0E-03	0.00	56.1	0.99	7	63.8	26.5	90.4	16.0	40	54.4	1.0	-0.13	3.5	19.1
26.74	5.0E-03	0.00	53.9	1.05	7	61.7	28.6	90.3	16.9	40	53.4	1.0	-0.13	3.7	18.8
26.90	5.0E-03	0.00	54.2	1.24	7	62.1	34.1	96.2	18.3	40	53.6	1.0	-0.15	4.3	19.5
27.07	5.0E-04	0.00	52.9	1.25	7	60.9	34.6	95.5	18.6	40	53.1	1.0	-0.15	5.8	25.7
27.23	5.0E-04	0.00	49.4	1.42	7	57.1	40.5	97.6	20.5	38	51.2	1.0	-0.15	6.5	25.2
39	5.0E-04	0.00	50.2	1.69	7	58.2	48.3	106.5	22.0	38	51.8	1.0	-0.17	7.5	26.5
56	5.0E-04	0.00	57.7	1.61	7	66.9	44.2	111.1	19.9	40	55.8	1.0	-0.18	7.2	29.1
27.72	5.0E-03	0.00	77.8	1.34	7	90.0	33.2	123.3	15.1	40	64.3	1.0	-0.19	4.5	26.5
27.89	5.0E-03	0.00	95.4	1.14	9	110.5	25.2	135.8	12.0	42	70.1	1.0	-0.20	3.6	30.6

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4847
CPT File: 315CP26.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-03	0.00	110.8	1.10	9	128.5	22.0	150.6	10.5	42	74.5	1.0	-0.21	3.2	34.6
28.21	5.0E-02	0.00	127.3	1.11	9	148.0	20.2	168.1	9.5	44	78.5	1.0	-0.22	2.3	31.3
28.38	5.0E+00	0.00	136.6	0.01	10	159.2	0.0	159.2	3.4	44	80.6	1.0	0.17	0.0	26.0
28.54	5.0E+00	0.00	135.9	0.01	10	159.0	0.0	159.0	3.4	44	80.6	1.0	0.17	0.0	25.9

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4886
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-27
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:30
CPT File: 315CP27.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	7.0	0.02	0.29	-0.3	1	74.5	0.01	0.01	0.00	2.00	3.4	6.7	0.56	0.00
0.33	13.2	0.19	1.44	-2.1	6	98.7	0.01	0.01	0.00	2.00	5.1	10.1	1.06	0.00
0.49	22.0	0.52	2.37	-3.0	6	98.7	0.02	0.02	0.00	2.00	8.4	16.9	1.76	0.00
0.66	54.5	0.80	1.47	-1.4	7	98.7	0.03	0.03	0.00	2.00	17.4	34.8	UnDef	0.00
0.82	69.5	0.97	1.40	-0.1	7	98.7	0.04	0.04	0.00	2.00	22.2	44.4	UnDef	0.00
0.98	66.9	1.08	1.62	-0.2	7	98.7	0.05	0.05	0.00	2.00	21.4	42.7	UnDef	0.00
1.15	63.3	1.27	2.01	-0.3	7	98.7	0.05	0.05	0.00	2.00	20.2	40.4	UnDef	0.00
.31	61.6	1.56	2.54	-0.3	6	98.7	0.06	0.06	0.00	2.00	23.6	47.2	4.92	0.00
.48	62.2	1.34	2.16	-0.8	7	98.7	0.07	0.07	0.00	2.00	19.9	39.7	UnDef	0.00
1.64	60.7	0.86	1.42	-0.9	7	98.7	0.08	0.08	0.00	2.00	19.4	38.7	UnDef	0.23
1.80	40.1	0.57	1.43	0.0	7	98.7	0.09	0.09	0.00	2.00	12.8	25.6	UnDef	0.12
1.97	27.6	0.33	1.20	-0.2	6	98.7	0.09	0.09	0.00	2.00	10.6	21.1	2.20	0.09
2.13	21.8	0.16	0.74	-0.1	6	98.7	0.10	0.10	0.00	2.00	8.3	16.7	1.73	0.09
2.30	18.3	0.07	0.38	0.0	6	98.7	0.11	0.11	0.00	2.00	7.0	14.0	1.45	0.08
2.46	16.9	0.10	0.59	0.0	6	98.7	0.12	0.12	0.00	2.00	6.5	13.0	1.34	0.08
2.62	16.9	0.21	1.24	0.0	6	98.7	0.13	0.13	0.00	2.00	6.5	13.0	1.34	0.08
2.79	16.5	0.29	1.76	0.1	6	98.7	0.13	0.13	0.00	2.00	6.3	12.6	1.31	0.09
2.95	14.7	0.36	2.46	0.0	5	85.3	0.14	0.14	0.00	2.00	7.0	14.1	1.16	0.09
3.12	16.2	0.36	2.23	0.0	5	85.3	0.15	0.15	0.00	2.00	7.7	15.5	1.28	0.09
3.28	17.9	0.32	1.79	0.0	6	98.7	0.16	0.16	0.00	2.00	6.9	13.7	1.42	0.09
3.44	19.7	0.33	1.68	-0.2	6	98.7	0.16	0.16	0.00	2.00	7.5	15.1	1.56	0.09
3.61	19.8	0.35	1.77	0.0	6	98.7	0.17	0.17	0.00	2.00	7.6	15.2	1.57	0.09
3.77	18.9	0.36	1.91	0.0	6	98.7	0.18	0.18	0.00	2.00	7.2	14.5	1.50	0.09
3.94	18.6	0.36	1.94	-0.1	6	98.7	0.19	0.19	0.00	2.00	7.1	14.2	1.47	0.09
4.10	17.0	0.29	1.71	0.0	6	98.7	0.20	0.20	0.00	2.00	6.5	13.0	1.34	0.09
4.27	15.7	0.26	1.66	-0.3	6	98.7	0.21	0.21	0.00	2.00	6.0	12.0	1.24	0.09
4.43	14.6	0.22	1.51	-0.1	6	98.7	0.21	0.21	0.00	2.00	5.6	11.2	1.15	0.09
4.59	12.3	0.21	1.71	-0.6	5	85.3	0.22	0.22	0.00	2.00	5.9	11.8	0.97	0.09
4.76	11.4	0.24	2.12	-0.3	5	85.3	0.23	0.23	0.00	2.00	5.4	10.9	0.89	0.09
4.92	11.2	0.20	1.79	-0.3	5	85.3	0.23	0.23	0.00	2.00	5.4	10.7	0.88	0.09
5.09	10.0	0.20	2.00	-0.2	5	85.3	0.24	0.24	0.00	2.00	4.8	9.6	0.78	0.09
5.25	11.4	0.20	1.76	0.0	5	85.3	0.25	0.25	0.00	2.00	5.4	10.9	0.89	0.09
5.41	13.8	0.26	1.89	2.9	5	85.3	0.26	0.26	0.00	1.98	6.6	13.1	1.08	0.09
5.58	15.8	0.25	1.58	8.8	6	98.7	0.26	0.26	0.00	1.95	6.1	11.8	1.24	0.09
5.74	16.9	0.30	1.78	15.5	6	98.7	0.27	0.27	0.00	1.92	6.5	12.5	1.33	0.09
5.91	19.6	0.27	1.38	14.7	6	98.7	0.28	0.28	0.00	1.89	7.5	14.2	1.54	0.09
6.07	16.9	0.23	1.37	28.1	6	98.7	0.29	0.29	0.00	1.86	6.5	12.1	1.33	0.09
6.23	15.1	0.18	1.19	35.0	6	98.7	0.30	0.30	0.00	1.84	5.8	10.6	1.19	0.09
.40	16.4	0.18	1.10	41.0	6	98.7	0.30	0.30	0.00	1.81	6.3	11.4	1.29	0.09
56	18.5	0.19	1.03	39.0	6	98.7	0.31	0.31	0.00	1.79	7.1	12.7	1.45	0.09
.73	17.0	0.24	1.41	39.1	6	98.7	0.32	0.32	0.00	1.77	6.5	11.5	1.34	0.09
6.89	16.8	0.26	1.55	35.6	6	98.7	0.33	0.33	0.00	1.75	6.4	11.2	1.32	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4886
CPT File: 315CP27.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	16.8	0.26	1.55	24.1	6	98.7	0.34	0.34	0.00	1.72	6.4	11.1	1.32	0.09
7.22	16.6	0.29	1.75	24.6	6	98.7	0.34	0.34	0.00	1.70	6.4	10.8	1.30	0.09
7.38	16.9	0.28	1.66	25.4	6	98.7	0.35	0.35	0.00	1.68	6.5	10.9	1.32	0.09
7.55	16.1	0.29	1.81	27.3	6	98.7	0.36	0.36	0.00	1.67	6.2	10.3	1.26	0.10
7.71	16.2	0.30	1.85	16.5	6	98.7	0.37	0.37	0.00	1.65	6.2	10.2	1.27	0.10
7.87	15.5	0.28	1.81	18.5	6	98.7	0.38	0.38	0.00	1.63	5.9	9.7	1.21	0.10
8.04	12.3	0.26	2.12	14.6	5	85.3	0.38	0.38	0.00	1.61	5.9	9.5	0.95	0.11
8.20	12.6	0.25	1.99	8.9	5	85.3	0.39	0.39	0.00	1.60	6.0	9.7	0.98	0.10
8.37	13.2	0.22	1.66	5.9	5	85.3	0.40	0.40	0.00	1.58	6.3	10.1	1.03	0.09
8.53	13.6	0.19	1.40	6.7	6	98.7	0.41	0.41	0.00	1.57	5.2	8.2	1.05	0.09
8.69	16.0	0.25	1.57	12.4	6	98.7	0.41	0.41	0.00	1.55	6.1	9.5	1.24	0.09
8.86	18.2	0.35	1.93	17.3	6	98.7	0.42	0.42	0.00	1.54	7.0	10.7	1.42	0.10
9.02	23.0	0.41	1.78	21.2	6	98.7	0.43	0.43	0.00	1.53	8.8	13.5	1.81	0.10
9.19	29.0	0.39	1.35	1.2	6	98.7	0.44	0.44	0.00	1.51	11.1	16.8	2.29	0.10
9.35	30.3	0.34	1.12	-0.9	7	98.7	0.45	0.45	0.00	1.50	9.7	14.5	UnDef	0.10
9.51	34.3	0.25	0.73	-1.9	7	98.7	0.45	0.45	0.00	1.48	10.9	16.2	UnDef	0.10
9.68	40.0	0.23	0.58	-1.5	7	98.7	0.46	0.46	0.00	1.47	12.8	18.8	UnDef	0.10
9.84	44.6	0.23	0.52	-1.4	7	98.7	0.47	0.47	0.00	1.46	14.3	20.8	UnDef	0.11
10.01	45.2	0.23	0.51	-1.5	8	101.8	0.48	0.48	0.00	1.45	10.8	15.6	UnDef	0.11
10.17	43.2	0.22	0.51	-1.5	7	98.7	0.49	0.49	0.00	1.43	13.8	19.8	UnDef	0.11
10.33	40.7	0.23	0.57	-1.5	7	98.7	0.50	0.50	0.00	1.42	13.0	18.5	UnDef	0.10
10.50	36.3	0.24	0.66	-1.6	7	98.7	0.50	0.50	0.00	1.41	11.6	16.3	UnDef	0.10
10.66	40.5	0.30	0.74	-1.5	7	98.7	0.51	0.51	0.00	1.40	12.9	18.1	UnDef	0.11
10.83	65.3	0.35	0.54	-1.5	8	101.8	0.52	0.52	0.00	1.39	15.6	21.7	UnDef	0.15
10.99	63.9	0.39	0.61	-1.6	8	101.8	0.53	0.53	0.00	1.38	15.3	21.1	UnDef	0.15
11.15	58.5	0.35	0.60	-1.4	8	101.8	0.54	0.54	0.00	1.37	14.0	19.1	UnDef	0.13
11.32	57.4	0.39	0.68	-1.5	8	101.8	0.54	0.54	0.00	1.36	13.7	18.6	UnDef	0.13
11.48	56.3	0.39	0.69	-1.4	8	101.8	0.55	0.55	0.00	1.35	13.5	18.1	UnDef	0.13
11.65	53.7	0.38	0.71	-1.3	8	101.8	0.56	0.56	0.00	1.33	12.8	17.1	UnDef	0.13
.81	53.4	0.40	0.75	-1.5	8	101.8	0.57	0.57	0.00	1.33	12.8	16.9	UnDef	0.13
.97	53.1	0.40	0.76	-1.2	8	101.8	0.58	0.58	0.00	1.32	12.7	16.7	UnDef	0.12
12.14	54.5	0.45	0.83	-1.3	7	98.7	0.59	0.59	0.00	1.31	17.4	22.7	UnDef	0.13
12.30	54.0	0.41	0.76	-1.3	8	101.8	0.59	0.59	0.00	1.30	12.9	16.8	UnDef	0.13
12.47	55.6	0.37	0.67	-1.1	8	101.8	0.60	0.60	0.00	1.29	13.3	17.1	UnDef	0.12
12.63	55.3	0.37	0.67	-1.2	8	101.8	0.61	0.61	0.00	1.28	13.2	16.9	UnDef	0.12
12.80	53.4	0.39	0.73	-0.8	8	101.8	0.62	0.62	0.00	1.27	12.8	16.2	UnDef	0.12
12.96	57.7	0.42	0.73	-0.8	8	101.8	0.63	0.63	0.00	1.26	13.8	17.5	UnDef	0.13
13.12	66.2	0.45	0.68	-0.8	8	101.8	0.64	0.64	0.00	1.25	15.9	19.9	UnDef	0.14
13.29	69.0	0.48	0.70	-0.8	8	101.8	0.64	0.64	0.00	1.25	16.5	20.6	UnDef	0.15
13.45	70.3	0.50	0.71	-1.0	8	101.8	0.65	0.65	0.00	1.24	16.8	20.8	UnDef	0.15
13.62	79.7	0.53	0.67	-0.8	8	101.8	0.66	0.66	0.00	1.23	19.1	23.5	UnDef	0.18
13.78	92.5	0.64	0.69	-0.7	8	101.8	0.67	0.67	0.00	1.22	22.1	27.1	UnDef	0.22
13.94	94.5	0.69	0.73	-0.7	8	101.8	0.68	0.68	0.00	1.21	22.6	27.5	UnDef	0.23
14.11	84.5	0.63	0.75	-0.7	8	101.8	0.69	0.69	0.00	1.21	20.2	24.4	UnDef	0.19
14.27	70.4	0.52	0.74	-0.8	8	101.8	0.69	0.69	0.00	1.20	16.9	20.2	UnDef	0.15
14.44	58.1	0.39	0.67	-0.6	8	101.8	0.70	0.70	0.00	1.19	13.9	16.6	UnDef	0.12
14.60	47.8	0.43	0.90	-0.8	7	98.7	0.71	0.71	0.00	1.19	15.3	18.1	UnDef	0.12
14.76	43.1	0.62	1.44	-0.7	7	98.7	0.72	0.72	0.00	1.18	13.8	16.2	UnDef	0.13
14.93	39.5	0.76	1.93	-0.7	6	98.7	0.73	0.73	0.00	1.17	15.1	17.8	3.11	0.14
15.09	42.3	0.96	2.28	1.2	6	98.7	0.74	0.74	0.00	1.17	16.2	18.9	3.33	0.17
15.26	39.9	0.79	1.98	-0.4	6	98.7	0.74	0.74	0.00	1.16	15.3	17.7	3.13	0.14
15.42	31.8	0.60	1.89	2.0	6	98.7	0.75	0.75	0.00	1.15	12.2	14.0	2.48	0.13
15.58	38.4	0.56	1.46	5.2	7	98.7	0.76	0.76	0.00	1.15	12.2	14.0	UnDef	0.12
15.75	53.1	0.49	0.93	-3.3	7	98.7	0.77	0.77	0.00	1.14	16.9	19.3	UnDef	0.12
15.91	48.4	0.45	0.93	-0.7	7	98.7	0.78	0.78	0.00	1.14	15.4	17.5	UnDef	0.12
16.08	46.8	0.46	0.99	-0.2	7	98.7	0.78	0.78	0.00	1.13	14.9	16.9	UnDef	0.12
16.24	43.8	0.70	1.60	-0.5	7	98.7	0.79	0.79	0.00	1.12	14.0	15.7	UnDef	0.13
16.40	38.5	0.91	2.37	0.0	6	98.7	0.80	0.80	0.00	1.12	14.7	16.5	3.01	0.17
16.57	34.1	0.90	2.64	1.8	6	98.7	0.81	0.81	0.00	1.11	13.1	14.5	2.67	0.21
16.73	36.1	0.76	2.11	3.5	6	98.7	0.82	0.82	0.00	1.11	13.8	15.3	2.82	0.15
.90	39.6	0.74	1.87	1.6	6	98.7	0.82	0.82	0.00	1.10	15.2	16.7	3.10	0.14
06	39.3	0.83	2.12	-1.2	6	98.7	0.83	0.83	0.00	1.10	15.0	16.5	3.08	0.16
.22	35.1	0.80	2.28	0.6	6	98.7	0.84	0.84	0.00	1.09	13.5	14.7	2.74	0.17
17.39	36.4	0.73	2.01	3.6	6	98.7	0.85	0.85	0.00	1.09	13.9	15.1	2.84	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4886
CPT File: 315CP27.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	37.2	0.73	1.97	6.6	6	98.7	0.86	0.86	0.00	1.08	14.2	15.4	2.90	0.15
17.72	33.6	0.68	2.03	2.6	6	98.7	0.86	0.86	0.00	1.08	12.9	13.8	2.62	0.15
17.88	30.2	0.60	1.99	5.0	6	98.7	0.87	0.87	0.00	1.07	11.6	12.4	2.34	0.15
18.04	33.6	0.59	1.76	6.7	6	98.7	0.88	0.88	0.00	1.07	12.9	13.7	2.62	0.13
18.21	37.4	0.62	1.66	3.3	6	98.7	0.89	0.89	0.00	1.06	14.3	15.2	2.92	0.13
18.37	38.9	0.71	1.83	2.5	6	98.7	0.90	0.90	0.00	1.06	14.9	15.7	3.04	0.14
18.54	38.7	0.72	1.87	3.1	6	98.7	0.91	0.91	0.00	1.05	14.8	15.6	3.02	0.15
18.70	39.3	0.57	1.45	2.1	7	98.7	0.91	0.91	0.00	1.05	12.5	13.1	UnDef	0.12
18.86	43.3	0.47	1.09	0.7	7	98.7	0.92	0.92	0.00	1.04	13.8	14.4	UnDef	0.11
19.03	44.3	0.47	1.06	-0.8	7	98.7	0.93	0.93	0.00	1.04	14.1	14.7	UnDef	0.11
19.19	45.4	0.56	1.24	-0.6	7	98.7	0.94	0.94	0.00	1.03	14.5	15.0	UnDef	0.12
19.36	44.2	0.71	1.61	-0.1	7	98.7	0.95	0.95	0.00	1.03	14.1	14.5	UnDef	0.14
19.52	43.4	0.73	1.68	-0.3	7	98.7	0.95	0.95	0.00	1.02	13.9	14.2	UnDef	0.14
19.68	41.5	0.64	1.55	0.0	7	98.7	0.96	0.96	0.00	1.02	13.2	13.5	UnDef	0.13
19.85	42.3	0.61	1.45	-0.2	7	98.7	0.97	0.97	0.00	1.02	13.5	13.7	UnDef	0.13
20.01	41.9	0.57	1.36	-0.6	7	98.7	0.98	0.98	0.00	1.01	13.4	13.5	UnDef	0.12
20.18	43.0	0.61	1.42	-0.3	7	98.7	0.99	0.99	0.00	1.01	13.7	13.8	UnDef	0.13
20.34	43.4	0.57	1.32	-0.5	7	98.7	0.99	0.99	0.00	1.00	13.9	13.9	UnDef	0.12
20.51	46.4	0.50	1.08	-0.2	7	98.7	1.00	1.00	0.00	1.00	14.8	14.8	UnDef	0.12
20.67	44.8	0.43	0.96	-0.4	7	98.7	1.01	1.01	0.00	0.99	14.3	14.2	UnDef	0.11
20.83	41.0	0.52	1.27	-0.7	7	98.7	1.02	1.02	0.00	0.99	13.1	13.0	UnDef	0.12
21.00	36.0	0.61	1.70	-0.3	6	98.7	1.03	1.03	0.00	0.99	13.8	13.6	2.80	0.14
21.16	32.5	0.68	2.10	0.0	6	98.7	1.03	1.03	0.00	0.98	12.5	12.2	2.52	0.20
21.33	30.9	0.60	1.95	5.8	6	98.7	1.04	1.04	0.00	0.98	11.8	11.6	2.39	0.19
21.49	31.2	0.59	1.89	14.6	6	98.7	1.05	1.05	0.00	0.98	12.0	11.7	2.42	0.18
21.65	29.5	0.55	1.87	23.8	6	98.7	1.06	1.06	0.00	0.97	11.3	11.0	2.27	0.19
21.82	27.9	0.52	1.87	23.5	6	98.7	1.07	1.07	0.00	0.97	10.7	10.3	2.15	0.21
21.98	28.8	0.58	2.02	17.3	6	98.7	1.08	1.08	0.00	0.96	11.0	10.7	2.22	0.24
22.15	27.2	0.63	2.32	12.6	6	98.7	1.08	1.08	0.00	0.96	10.4	10.0	2.09	0.27
.31	35.8	0.62	1.74	27.9	6	98.7	1.09	1.09	0.00	0.96	13.7	13.1	2.77	0.15
.47	33.2	0.59	1.78	27.9	6	98.7	1.10	1.10	0.00	0.95	12.7	12.1	2.57	0.16
22.64	35.2	0.58	1.65	30.3	6	98.7	1.11	1.11	0.00	0.95	13.5	12.8	2.73	0.15
22.80	30.2	0.50	1.66	18.6	6	98.7	1.12	1.12	0.00	0.95	11.6	10.9	2.33	0.16
22.97	31.3	0.42	1.35	22.2	6	98.7	1.12	1.12	0.00	0.94	12.0	11.3	2.41	0.13
23.13	37.4	0.50	1.34	24.2	7	98.7	1.13	1.13	0.00	0.94	11.9	11.2	UnDef	0.12
23.29	37.9	0.61	1.61	0.7	7	98.7	1.14	1.14	0.00	0.94	12.1	11.3	UnDef	0.15
23.46	37.0	0.70	1.90	4.2	6	98.7	1.15	1.15	0.00	0.93	14.2	13.2	2.87	0.18
23.62	37.0	0.68	1.84	8.2	6	98.7	1.16	1.16	0.00	0.93	14.2	13.2	2.86	0.17
23.79	36.1	0.67	1.86	2.7	6	98.7	1.16	1.16	0.00	0.93	13.8	12.8	2.80	0.18
23.95	39.9	0.75	1.88	3.9	6	98.7	1.17	1.17	0.00	0.92	15.3	14.1	3.10	0.18
24.11	38.4	0.71	1.85	2.5	6	98.7	1.18	1.18	0.00	0.92	14.7	13.5	2.98	0.18
24.28	42.5	0.75	1.77	4.3	7	98.7	1.19	1.19	0.00	0.92	13.6	12.4	UnDef	0.16
24.44	52.6	0.62	1.18	1.2	7	98.7	1.20	1.20	0.00	0.91	16.8	15.4	UnDef	0.13
24.61	59.5	0.54	0.91	0.0	8	101.8	1.20	1.20	0.00	0.91	14.3	13.0	UnDef	0.13
24.77	61.4	0.54	0.88	-0.7	8	101.8	1.21	1.21	0.00	0.91	14.7	13.3	UnDef	0.13
24.93	64.5	0.96	1.49	-0.9	7	98.7	1.22	1.22	0.00	0.90	20.6	18.6	UnDef	0.17
25.10	63.2	1.32	2.09	-0.4	7	98.7	1.23	1.23	0.00	0.90	20.2	18.2	UnDef	0.23
25.26	65.8	1.19	1.81	-0.2	7	98.7	1.24	1.24	0.00	0.90	21.0	18.9	UnDef	0.20
25.43	69.5	0.83	1.20	-1.1	7	98.7	1.25	1.25	0.00	0.90	22.2	19.9	UnDef	0.16
25.59	73.7	0.70	0.95	-0.1	8	101.8	1.25	1.25	0.00	0.89	17.6	15.7	UnDef	0.15
25.75	73.1	0.90	1.23	-0.1	7	98.7	1.26	1.26	0.00	0.89	23.3	20.8	UnDef	0.16
25.92	77.2	1.15	1.49	-0.7	7	98.7	1.27	1.27	0.00	0.89	24.7	21.9	UnDef	0.19
26.08	72.1	1.11	1.54	-0.7	7	98.7	1.28	1.28	0.00	0.88	23.0	20.3	UnDef	0.19
26.25	64.8	1.31	2.03	-0.4	7	98.7	1.29	1.29	0.00	0.88	20.7	18.2	UnDef	0.22
26.41	61.1	1.42	2.33	-0.2	6	98.7	1.29	1.29	0.00	0.88	23.4	20.6	4.78	0.27
26.57	66.7	1.34	2.01	-0.8	7	98.7	1.30	1.30	0.00	0.88	21.3	18.7	UnDef	0.23
26.74	104.7	1.39	1.33	-0.1	8	101.8	1.31	1.31	0.00	0.87	25.1	21.9	UnDef	0.25
26.90	126.4	1.25	0.99	-0.1	8	101.8	1.32	1.32	0.00	0.87	30.3	26.3	UnDef	0.28
27.07	142.5	1.34	0.94	-0.1	9	101.8	1.33	1.33	0.00	0.87	27.3	23.7	UnDef	0.33
27.23	166.0	1.61	0.97	0.0	9	101.8	1.34	1.34	0.00	0.87	31.8	27.5	UnDef	0.44
.39	179.4	1.90	1.06	-0.1	9	101.8	1.34	1.34	0.00	0.86	34.4	29.6	UnDef	0.00
56	187.4	0.02	0.01	-0.2	10	127.3	1.35	1.35	0.00	0.86	29.9	25.7	UnDef	0.44
.72	184.7	0.02	0.01	0.0	9	101.8	1.36	1.36	0.00	0.86	35.4	30.3	UnDef	0.42

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4886
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-27
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:30
CPT File: 315CP27.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	1000.0	0.29	10	13.5	0.0	13.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.7
0.33	5.0E-05	-0.01	999.2	1.44	12	25.3	UnDef	UnDef	0.0	50	70.7	10.0	-0.46	UnDef	UnDef
0.49	5.0E-05	0.00	1000.0	2.37	12	42.2	UnDef	UnDef	0.0	50	78.5	10.0	-0.55	UnDef	UnDef
0.66	5.0E-04	0.00	1000.0	1.47	12	104.5	UnDef	UnDef	0.0	50	95.0	1.0	-0.46	UnDef	UnDef
0.82	5.0E-04	0.00	1000.0	1.40	12	133.1	UnDef	UnDef	0.0	50	95.0	1.0	-0.45	UnDef	UnDef
0.98	5.0E-04	0.00	1000.0	1.62	12	128.1	UnDef	UnDef	0.0	50	95.0	1.0	-0.47	UnDef	UnDef
1.15	5.0E-04	0.00	1000.0	2.01	12	121.2	UnDef	UnDef	0.0	50	95.0	1.0	-0.51	UnDef	UnDef
1.31	5.0E-05	0.00	996.0	2.54	12	117.9	UnDef	UnDef	0.0	50	92.7	10.0	-0.57	UnDef	UnDef
.48	5.0E-04	0.00	889.6	2.16	12	119.2	UnDef	UnDef	0.0	50	91.2	1.0	-0.52	UnDef	UnDef
.64	5.0E-04	0.00	777.5	1.42	9	116.2	0.0	116.2	2.7	50	88.9	1.0	-0.43	0.0	38.7
1.80	5.0E-04	0.00	464.6	1.43	9	76.7	0.0	76.7	4.2	48	75.6	1.0	-0.38	0.0	25.6
1.97	5.0E-05	0.00	292.2	1.20	9	52.9	0.1	53.0	5.1	46	63.6	10.0	-0.31	0.0	21.2
2.13	5.0E-05	0.00	212.1	0.74	9	41.7	0.0	41.7	4.0	46	55.7	10.0	-0.23	0.0	16.7
2.30	5.0E-05	0.00	164.6	0.39	9	35.0	0.0	35.0	2.7	44	49.5	10.0	-0.15	0.0	14.0
2.46	5.0E-05	0.00	142.0	0.60	9	32.4	0.2	32.6	5.2	44	46.3	10.0	-0.17	0.1	13.0
2.62	5.0E-05	0.00	132.8	1.25	9	32.4	5.0	37.4	10.0	44	45.4	10.0	-0.24	1.2	14.2
2.79	5.0E-05	0.00	121.4	1.78	7	31.6	9.3	40.8	13.5	42	43.7	10.0	-0.27	2.1	14.7
2.95	5.0E-06	0.00	102.4	2.48	7	28.1	15.3	43.5	18.2	UnDef	UnDef	10.0	UnDef	4.0	18.1
3.12	5.0E-06	0.00	107.3	2.25	7	30.9	14.2	45.2	16.8	UnDef	UnDef	10.0	UnDef	3.8	19.3
3.28	5.0E-05	0.00	113.1	1.81	7	34.3	11.2	45.5	14.2	42	43.9	10.0	-0.26	2.5	16.2
3.44	5.0E-05	0.00	118.4	1.70	9	37.7	10.7	48.4	13.3	42	45.9	10.0	-0.26	2.4	17.5
3.61	5.0E-05	0.00	113.6	1.79	7	37.9	12.2	50.1	14.1	42	45.4	10.0	-0.26	2.7	17.9
3.77	5.0E-05	0.00	103.5	1.93	7	36.2	14.3	50.5	15.6	42	43.4	10.0	-0.26	3.1	17.6
3.94	5.0E-05	0.00	97.3	1.96	7	35.6	15.5	51.1	16.3	42	42.3	10.0	-0.26	3.3	17.6
4.10	5.0E-05	0.00	85.2	1.73	7	32.5	14.3	46.9	16.4	42	39.1	10.0	-0.23	3.1	16.1
4.27	5.0E-05	0.00	75.6	1.68	7	30.1	14.8	44.9	17.4	40	36.3	10.0	-0.21	3.1	15.2
4.43	5.0E-05	0.00	67.3	1.54	7	27.9	14.4	42.3	17.8	40	33.6	10.0	-0.19	3.0	14.2
4.59	5.0E-06	0.00	54.8	1.74	7	23.6	18.1	41.7	21.2	UnDef	UnDef	10.0	UnDef	4.4	16.2
4.76	5.0E-06	0.00	48.9	2.16	7	21.8	24.8	46.6	25.0	UnDef	UnDef	6.0	UnDef	5.4	16.3
4.92	5.0E-06	0.00	46.6	1.83	7	21.4	21.5	43.0	23.8	UnDef	UnDef	6.0	UnDef	4.9	15.6
5.09	5.0E-06	0.00	40.5	2.05	7	19.2	27.0	46.2	26.9	UnDef	UnDef	6.0	UnDef	5.5	15.1
5.25	5.0E-06	0.00	44.7	1.80	7	21.8	22.8	44.6	24.2	UnDef	UnDef	6.0	UnDef	5.1	16.0
5.41	5.0E-06	0.01	53.0	1.92	7	26.4	23.7	50.1	22.7	UnDef	UnDef	10.0	UnDef	5.5	18.6
5.58	5.0E-05	0.02	59.1	1.61	7	30.2	19.3	49.5	19.6	40	32.9	10.0	-0.18	3.8	15.6
5.74	5.0E-05	0.03	61.4	1.80	7	31.8	22.0	53.8	20.3	40	34.4	10.0	-0.20	4.3	16.7
5.91	5.0E-05	0.02	68.9	1.40	7	36.2	16.4	52.6	16.7	40	38.1	10.0	-0.18	3.4	17.6
6.07	5.0E-05	0.05	57.7	1.39	7	30.8	17.4	48.2	18.5	40	33.5	10.0	-0.16	3.5	15.6
6.23	5.0E-05	0.07	50.1	1.22	7	27.2	16.2	43.4	19.0	38	30.0	10.0	-0.13	3.2	13.9
6.40	5.0E-05	0.08	53.0	1.12	7	29.2	14.8	44.0	17.6	40	31.9	10.0	-0.13	3.0	14.5
56	5.0E-05	0.07	58.2	1.05	7	32.3	13.6	45.9	16.1	40	34.9	10.0	-0.13	2.9	15.5
73	5.0E-05	0.07	52.3	1.44	7	29.5	19.6	49.1	20.0	38	32.3	10.0	-0.15	3.8	15.4
6.89	5.0E-05	0.07	50.1	1.58	7	28.7	22.3	51.0	21.4	38	31.5	10.0	-0.16	4.2	15.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4886
CPT File: 315CP27.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.05	48.9	1.58	7	28.3	22.8	51.1	21.7	38	31.1	6.0	-0.16	4.3	15.4
7.22	5.0E-05	0.05	47.2	1.79	7	27.7	26.6	54.3	23.4	38	30.5	6.0	-0.17	4.8	15.6
7.38	5.0E-05	0.05	46.8	1.70	7	27.8	25.6	53.3	22.9	38	30.6	6.0	-0.16	4.7	15.5
7.55	5.0E-05	0.05	43.7	1.85	7	26.2	29.2	55.4	24.7	38	30.0	6.0	-0.16	5.0	15.3
7.71	5.0E-05	0.03	43.0	1.90	7	26.2	30.6	56.7	25.2	38	30.0	6.0	-0.16	5.2	15.5
7.87	5.0E-05	0.04	40.1	1.86	7	24.7	31.2	55.9	25.9	38	30.0	6.0	-0.15	5.2	14.9
8.04	5.0E-06	0.04	30.9	2.19	6	19.4	47.7	67.1	31.6	UnDef	UnDef	6.0	UnDef	7.6	17.1
8.20	5.0E-06	0.02	31.3	2.05	7	19.7	42.9	62.7	30.6	UnDef	UnDef	6.0	UnDef	7.2	16.9
8.37	5.0E-06	0.01	32.3	1.72	7	20.5	33.2	53.8	28.1	UnDef	UnDef	6.0	UnDef	6.3	16.4
8.53	5.0E-05	0.02	32.5	1.45	7	20.9	27.4	48.2	26.3	36	30.0	6.0	-0.11	4.5	12.7
8.69	5.0E-05	0.02	37.6	1.61	7	24.3	28.7	53.0	25.3	38	30.0	6.0	-0.13	4.9	14.4
8.86	5.0E-05	0.03	42.2	1.97	7	27.5	34.6	62.0	25.9	38	30.2	6.0	-0.17	5.8	16.5
9.02	5.0E-05	0.03	52.6	1.82	7	34.4	29.2	63.6	22.2	38	36.7	10.0	-0.18	5.4	18.9
9.19	5.0E-05	0.00	65.2	1.37	7	42.9	20.3	63.2	17.1	40	43.0	10.0	-0.18	4.2	21.0
9.35	5.0E-04	0.00	67.0	1.14	7	44.4	16.8	61.2	15.3	40	44.0	1.0	-0.16	3.0	17.5
9.51	5.0E-04	0.00	74.5	0.74	9	49.8	9.9	59.7	11.2	40	47.3	1.0	-0.13	1.9	18.1
9.68	5.0E-04	0.00	85.5	0.58	9	57.5	6.3	63.9	8.7	42	51.4	1.0	-0.13	1.2	20.0
9.84	5.0E-04	0.00	93.9	0.52	9	63.7	4.4	68.1	7.4	42	54.3	1.0	-0.13	0.9	21.7
10.01	5.0E-03	0.00	93.5	0.52	9	64.0	4.4	68.3	7.4	42	54.5	1.0	-0.12	0.7	16.3
10.17	5.0E-04	0.00	87.7	0.52	9	60.6	5.1	65.6	7.9	42	52.9	1.0	-0.12	1.0	20.8
10.33	5.0E-04	0.00	81.2	0.57	9	56.6	6.8	63.4	9.0	42	51.0	1.0	-0.12	1.3	19.8
10.50	5.0E-04	0.00	71.1	0.67	9	50.1	9.7	59.7	11.1	40	47.4	1.0	-0.12	1.8	18.2
10.66	5.0E-04	0.00	78.2	0.75	9	55.4	10.3	65.8	10.9	42	50.4	1.0	-0.14	2.0	20.1
10.83	5.0E-03	0.00	124.7	0.54	9	88.6	1.5	90.1	5.6	42	63.8	1.0	-0.15	0.2	21.9
10.99	5.0E-03	0.00	120.0	0.62	9	86.0	3.5	89.6	6.5	42	63.0	1.0	-0.16	0.5	21.6
11.15	5.0E-03	0.00	108.1	0.61	9	78.2	4.7	82.9	7.1	42	60.2	1.0	-0.15	0.7	19.8
11.32	5.0E-03	0.00	104.5	0.69	9	76.2	6.7	82.8	8.0	42	59.5	1.0	-0.16	1.0	19.6
11.48	5.0E-03	0.00	100.8	0.70	9	74.1	7.4	81.5	8.4	42	58.7	1.0	-0.16	1.1	19.2
11.65	5.0E-03	0.00	94.6	0.72	9	70.1	8.4	78.5	9.0	42	57.1	1.0	-0.15	1.2	18.4
.81	5.0E-03	0.00	92.8	0.76	9	69.2	9.5	78.7	9.5	42	56.7	1.0	-0.16	1.4	18.3
.97	5.0E-03	0.00	90.8	0.76	9	68.3	9.8	78.2	9.7	42	56.4	1.0	-0.15	1.4	18.1
12.14	5.0E-04	0.00	92.1	0.84	9	69.7	11.1	80.8	10.2	42	56.9	1.0	-0.16	2.1	24.9
12.30	5.0E-03	0.00	89.8	0.77	9	68.5	10.2	78.7	9.9	42	56.4	1.0	-0.15	1.5	18.2
12.47	5.0E-03	0.00	91.2	0.67	9	70.0	8.3	78.3	9.0	42	57.1	1.0	-0.14	1.2	18.4
12.63	5.0E-03	0.00	89.5	0.68	9	69.3	8.6	77.9	9.1	42	56.7	1.0	-0.14	1.3	18.2
12.80	5.0E-03	0.00	85.2	0.74	9	66.4	10.4	76.8	10.1	42	55.5	1.0	-0.15	1.5	17.7
12.96	5.0E-03	0.00	91.0	0.74	9	71.3	9.7	81.0	9.5	42	57.6	1.0	-0.15	1.4	18.9
13.12	5.0E-03	0.00	103.1	0.69	9	81.3	7.4	88.7	8.1	42	61.3	1.0	-0.16	1.1	21.0
13.29	5.0E-03	0.00	106.0	0.70	9	84.1	7.4	91.5	8.0	42	62.3	1.0	-0.16	1.1	21.7
13.45	5.0E-03	0.00	106.7	0.72	9	85.2	7.7	92.9	8.1	42	62.7	1.0	-0.16	1.1	22.0
13.62	5.0E-03	0.00	119.5	0.67	9	95.9	5.2	101.1	6.9	42	66.1	1.0	-0.17	0.8	24.2
13.78	5.0E-03	0.00	137.2	0.70	9	110.6	3.7	114.4	6.2	44	70.2	1.0	-0.18	0.6	27.6
13.94	5.0E-03	0.00	138.4	0.74	9	112.3	4.5	116.8	6.4	44	70.6	1.0	-0.19	0.7	28.2
14.11	5.0E-03	0.00	122.1	0.75	9	99.8	6.9	106.6	7.4	42	67.2	1.0	-0.18	1.0	25.4
14.27	5.0E-03	0.00	100.3	0.75	9	82.7	9.3	92.0	8.8	42	61.8	1.0	-0.16	1.4	21.6
14.44	5.0E-03	0.00	81.6	0.68	9	67.8	10.3	78.1	9.9	42	56.1	1.0	-0.13	1.5	18.1
14.60	5.0E-04	0.00	66.3	0.91	9	55.5	16.9	72.4	13.7	40	50.4	1.0	-0.14	3.1	21.2
14.76	5.0E-04	0.00	58.9	1.47	7	49.8	28.9	78.7	18.8	40	47.3	1.0	-0.17	4.8	21.1
14.93	5.0E-05	0.00	53.4	1.96	7	45.4	41.1	86.5	22.8	40	44.6	10.0	-0.19	7.5	25.3
15.09	5.0E-05	0.00	56.5	2.32	7	48.3	49.3	97.5	23.9	40	46.4	10.0	-0.22	8.7	27.6
15.26	5.0E-05	0.00	52.7	2.02	7	45.3	43.2	88.5	23.3	38	44.6	10.0	-0.20	7.8	25.5
15.42	5.0E-05	0.00	41.2	1.94	7	35.8	45.8	81.7	26.0	38	37.9	6.0	-0.16	7.6	21.6
15.58	5.0E-04	0.00	49.5	1.49	7	43.1	32.0	75.1	21.0	38	43.1	1.0	-0.16	5.1	19.2
15.75	5.0E-04	0.00	68.1	0.94	9	59.3	17.8	77.0	13.6	40	52.3	1.0	-0.15	3.3	22.6
15.91	5.0E-04	0.00	61.3	0.95	9	53.7	18.9	72.7	14.8	40	49.5	1.0	-0.14	3.4	20.9
16.08	5.0E-04	0.00	58.6	1.00	7	51.7	20.5	72.2	15.6	40	48.4	1.0	-0.14	3.6	20.5
16.24	5.0E-04	0.00	54.2	1.63	7	48.1	34.9	83.0	20.7	40	46.3	1.0	-0.18	5.6	21.3
16.40	5.0E-05	0.00	47.1	2.42	7	42.1	58.5	100.6	26.8	38	42.5	6.0	-0.21	9.4	25.9
16.57	5.0E-05	0.00	41.2	2.71	6	37.1	74.5	111.6	30.0	38	38.9	6.0	-0.21	10.4	25.0
16.73	5.0E-05	0.00	43.2	2.16	7	39.1	53.2	92.3	26.6	38	40.4	6.0	-0.18	8.6	23.9
.90	5.0E-05	0.00	47.0	1.91	7	42.7	44.5	87.2	24.1	38	42.9	6.0	-0.18	7.8	24.6
.06	5.0E-05	0.00	46.2	2.16	7	42.1	52.2	94.3	25.7	38	42.5	6.0	-0.19	8.7	25.2
.22	5.0E-05	0.00	40.8	2.34	7	37.5	61.9	99.4	28.3	38	39.2	6.0	-0.19	9.4	24.0
17.39	5.0E-05	0.00	41.8	2.06	7	38.6	52.0	90.6	26.5	38	40.0	6.0	-0.17	8.5	23.6

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4886
CPT File: 315CP27.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.01	42.4	2.02	7	39.3	50.6	89.9	26.1	38	40.5	6.0	-0.17	8.4	23.7
17.72	5.0E-05	0.00	37.8	2.09	7	35.3	56.5	91.8	28.1	38	37.4	6.0	-0.16	8.7	22.5
17.88	5.0E-05	0.01	33.6	2.05	7	31.6	60.5	92.1	29.6	36	34.3	6.0	-0.15	8.6	21.0
18.04	5.0E-05	0.01	37.1	1.81	7	35.0	48.3	83.3	26.7	38	37.2	6.0	-0.15	7.8	21.5
18.21	5.0E-05	0.00	41.1	1.70	7	38.9	42.8	81.7	24.6	38	40.2	6.0	-0.15	7.4	22.6
18.37	5.0E-05	0.00	42.3	1.87	7	40.1	47.5	87.6	25.3	38	41.1	6.0	-0.16	8.1	23.8
18.54	5.0E-05	0.00	41.7	1.91	7	39.8	49.1	88.9	25.7	38	40.8	6.0	-0.16	8.2	23.8
18.70	5.0E-04	0.00	42.0	1.49	7	40.2	37.2	77.5	23.0	38	41.2	1.0	-0.14	5.6	18.8
18.86	5.0E-04	0.00	46.0	1.11	7	44.2	27.0	71.2	19.2	38	43.8	1.0	-0.12	4.5	18.9
19.03	5.0E-04	0.00	46.6	1.09	7	44.9	26.4	71.3	18.9	38	44.3	1.0	-0.12	4.4	19.1
19.19	5.0E-04	0.00	47.4	1.26	7	45.9	30.5	76.4	19.9	38	45.0	1.0	-0.14	5.0	20.0
19.36	5.0E-04	0.00	45.7	1.65	7	44.5	40.8	85.2	22.9	38	44.1	1.0	-0.16	6.2	20.7
19.52	5.0E-04	0.00	44.5	1.72	7	43.5	43.5	87.0	23.7	38	43.4	1.0	-0.16	6.5	20.7
19.68	5.0E-04	0.00	42.1	1.58	7	41.4	40.8	82.2	23.6	38	42.0	1.0	-0.15	6.1	19.6
19.85	5.0E-04	0.00	42.6	1.48	7	42.0	37.9	80.0	22.8	38	42.4	1.0	-0.14	5.8	19.5
20.01	5.0E-04	0.00	41.8	1.40	7	41.5	36.1	77.6	22.4	38	42.0	1.0	-0.13	5.6	19.1
20.18	5.0E-04	0.00	42.6	1.46	7	42.4	37.6	80.0	22.6	38	42.7	1.0	-0.14	5.8	19.6
20.34	5.0E-04	0.00	42.7	1.35	7	42.6	34.8	77.4	21.8	38	42.8	1.0	-0.13	5.4	19.3
20.51	5.0E-04	0.00	45.3	1.10	7	45.4	28.1	73.5	19.3	38	44.6	1.0	-0.12	4.7	19.5
20.67	5.0E-04	0.00	43.3	0.98	7	43.6	25.9	69.5	18.9	38	43.5	1.0	-0.11	4.3	18.5
20.83	5.0E-04	0.00	39.3	1.30	7	39.8	35.3	75.1	22.6	38	40.8	1.0	-0.12	5.4	18.4
21.00	5.0E-05	0.00	34.0	1.75	7	34.7	52.8	87.5	27.6	36	37.0	6.0	-0.13	8.2	21.8
21.16	5.0E-05	0.00	30.4	2.17	6	31.3	78.0	109.3	31.7	36	34.0	6.0	-0.14	9.9	22.1
21.33	5.0E-05	0.01	28.6	2.02	6	29.6	74.8	104.4	31.8	36	32.4	6.0	-0.13	9.4	21.0
21.49	5.0E-05	0.02	28.7	1.96	7	29.8	71.5	101.3	31.4	36	32.6	6.0	-0.13	9.2	20.9
21.65	5.0E-05	0.03	26.8	1.94	6	28.0	76.3	104.4	32.4	36	30.8	6.0	-0.12	9.3	20.2
21.82	5.0E-05	0.03	25.1	1.94	6	26.4	84.0	110.4	33.5	34	30.0	6.0	-0.11	9.4	19.7
21.98	5.0E-05	0.02	25.8	2.09	6	27.2	92.9	120.1	34.0	34	30.0	6.0	-0.12	10.0	20.6
22.15	5.0E-05	0.02	24.1	2.42	6	25.6	102.3	127.9	37.0	34	30.0	6.0	-0.13	10.0	20.0
22.31	5.0E-05	0.03	31.8	1.79	7	33.5	58.8	92.3	28.9	36	35.9	6.0	-0.13	8.7	21.8
22.47	5.0E-05	0.03	29.2	1.84	7	31.0	65.7	96.7	30.4	36	33.7	6.0	-0.12	9.0	21.1
22.64	5.0E-05	0.03	30.8	1.70	7	32.7	56.9	89.6	28.8	36	35.3	6.0	-0.12	8.4	21.3
22.80	5.0E-05	0.02	26.0	1.72	7	28.0	67.7	95.7	31.5	34	30.7	6.0	-0.10	8.7	19.6
22.97	5.0E-05	0.02	26.8	1.40	7	28.9	50.0	78.9	28.7	36	31.7	6.0	-0.09	7.4	18.7
23.13	5.0E-04	0.02	32.1	1.38	7	34.4	43.8	78.2	26.0	36	36.7	1.0	-0.10	6.1	17.3
23.29	5.0E-04	0.00	32.2	1.66	7	34.7	54.2	88.9	27.8	36	37.0	1.0	-0.12	7.0	18.3
23.46	5.0E-05	0.00	31.2	1.96	7	33.8	68.8	102.6	30.1	36	36.2	6.0	-0.14	9.6	22.8
23.62	5.0E-05	0.01	31.0	1.90	7	33.6	67.0	100.6	29.9	36	36.0	6.0	-0.13	9.4	22.6
23.79	5.0E-05	0.00	30.0	1.92	7	32.7	70.1	102.8	30.5	36	35.3	6.0	-0.13	9.5	22.3
23.95	5.0E-05	0.00	33.0	1.94	7	36.0	65.8	101.8	29.2	36	38.0	6.0	-0.14	9.6	23.7
24.11	5.0E-05	0.00	31.5	1.91	7	34.6	67.1	101.6	29.7	36	36.8	6.0	-0.13	9.5	23.1
24.28	5.0E-04	0.00	34.8	1.82	7	38.2	58.7	96.9	27.7	36	39.7	1.0	-0.14	7.6	20.0
24.44	5.0E-04	0.00	43.0	1.21	7	47.1	34.2	81.3	20.8	38	45.7	1.0	-0.12	5.5	20.9
24.61	5.0E-03	0.00	48.4	0.93	7	53.1	25.5	78.6	17.2	38	49.1	1.0	-0.11	3.3	16.3
24.77	5.0E-03	0.00	49.6	0.90	7	54.5	24.7	79.2	16.7	38	49.9	1.0	-0.11	3.2	16.6
24.93	5.0E-04	0.00	51.8	1.52	7	57.1	40.8	97.9	20.6	38	51.2	1.0	-0.16	6.6	25.2
25.10	5.0E-04	0.00	50.4	2.14	7	55.8	60.2	116.0	24.4	38	50.5	1.0	-0.20	8.8	26.9
25.26	5.0E-04	0.00	52.2	1.85	7	57.9	50.5	108.4	22.5	38	51.6	1.0	-0.18	7.8	26.7
25.43	5.0E-04	0.00	54.8	1.22	7	60.9	32.2	93.2	18.0	40	53.1	1.0	-0.15	5.5	25.4
25.59	5.0E-03	0.00	57.7	0.97	7	64.4	25.3	89.6	15.6	40	54.6	1.0	-0.13	3.4	19.1
25.75	5.0E-04	0.00	56.9	1.26	7	63.7	33.0	96.7	17.8	40	54.3	1.0	-0.15	5.6	26.4
25.92	5.0E-04	0.00	59.8	1.52	7	67.1	39.7	106.7	18.9	40	55.8	1.0	-0.18	6.6	28.5
26.08	5.0E-04	0.00	55.4	1.57	7	62.4	42.3	104.7	20.1	40	53.7	1.0	-0.17	6.9	27.2
26.25	5.0E-04	0.00	49.3	2.07	7	55.9	59.8	115.7	24.4	38	50.6	1.0	-0.19	8.7	26.9
26.41	5.0E-05	0.00	46.2	2.38	7	52.5	73.5	126.0	26.8	38	48.8	6.0	-0.20	11.8	32.4
26.57	5.0E-04	0.00	50.2	2.05	7	57.2	59.3	116.5	24.1	38	51.3	1.0	-0.19	8.7	27.4
26.74	5.0E-03	0.00	78.9	1.35	7	89.5	32.6	122.1	15.0	42	64.1	1.0	-0.19	4.4	26.3
26.90	5.0E-03	0.00	94.8	1.00	9	107.7	20.9	128.6	11.1	42	69.4	1.0	-0.18	3.0	29.3
27.07	5.0E-02	0.00	106.3	0.95	9	121.0	17.9	138.9	9.8	42	72.7	1.0	-0.19	2.1	25.8
27.23	5.0E-02	0.00	123.2	0.98	9	140.5	16.3	156.9	8.9	42	77.0	1.0	-0.21	1.9	29.4
27.39	5.0E-02	0.00	132.4	1.07	9	151.4	17.9	169.2	9.0	44	79.2	1.0	-0.22	2.1	31.7
27.56	5.0E+00	0.00	137.4	0.01	10	157.6	0.0	157.6	3.2	44	80.3	1.0	0.16	0.0	25.7
27.72	5.0E-02	0.00	134.5	0.01	10	154.8	0.0	154.8	3.3	44	79.8	1.0	0.16	0.0	30.3

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4930
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-28
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:58
CPT File: 315CP28.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.7	0.02	0.43	0.0	1	74.5	0.01	0.01	0.00	2.00	2.2	4.5	0.37	0.00
0.33	6.8	0.02	0.29	-0.1	1	74.5	0.01	0.01	0.00	2.00	3.3	6.5	0.55	0.00
0.49	9.4	0.02	0.21	-0.8	1	74.5	0.02	0.02	0.00	2.00	4.5	9.0	0.75	0.00
0.66	14.9	0.02	0.13	-0.6	6	98.7	0.03	0.03	0.00	2.00	5.7	11.4	1.19	0.00
0.82	22.8	0.02	0.09	-0.5	7	98.7	0.03	0.03	0.00	2.00	7.3	14.6	UnDef	0.09
0.98	27.7	0.02	0.07	-0.3	7	98.7	0.04	0.04	0.00	2.00	8.8	17.7	UnDef	0.09
1.15	28.3	0.22	0.78	-0.6	7	98.7	0.05	0.05	0.00	2.00	9.0	18.1	UnDef	0.09
.31	23.3	0.43	1.85	-0.4	6	98.7	0.06	0.06	0.00	2.00	8.9	17.8	1.86	0.09
.48	24.3	0.61	2.52	0.0	6	98.7	0.07	0.07	0.00	2.00	9.3	18.6	1.94	0.00
1.64	31.4	0.53	1.69	-1.6	6	98.7	0.07	0.07	0.00	2.00	12.0	24.1	2.51	0.10
1.80	38.8	0.51	1.32	-2.4	7	98.7	0.08	0.08	0.00	2.00	12.4	24.7	UnDef	0.12
1.97	51.0	0.42	0.83	-1.4	7	98.7	0.09	0.09	0.00	2.00	16.3	32.5	UnDef	0.17
2.13	63.9	0.62	0.97	-0.6	8	101.8	0.10	0.10	0.00	2.00	15.3	30.6	UnDef	0.25
2.30	57.8	0.77	1.34	-0.3	7	98.7	0.11	0.11	0.00	2.00	18.5	36.9	UnDef	0.21
2.46	37.1	0.59	1.59	-0.1	7	98.7	0.11	0.11	0.00	2.00	11.8	23.7	UnDef	0.12
2.62	25.0	0.19	0.76	-0.4	7	98.7	0.12	0.12	0.00	2.00	8.0	15.9	UnDef	0.09
2.79	20.4	0.02	0.10	-0.4	7	98.7	0.13	0.13	0.00	2.00	6.5	13.0	UnDef	0.09
2.95	20.2	0.02	0.10	-0.5	7	98.7	0.14	0.14	0.00	2.00	6.5	12.9	UnDef	0.09
3.12	18.8	0.12	0.64	-0.5	6	98.7	0.15	0.15	0.00	2.00	7.2	14.4	1.49	0.08
3.28	19.5	0.28	1.44	-0.6	6	98.7	0.16	0.16	0.00	2.00	7.5	14.9	1.55	0.09
3.44	17.4	0.31	1.78	-0.1	6	98.7	0.16	0.16	0.00	2.00	6.7	13.4	1.38	0.09
3.61	14.4	0.23	1.60	-2.0	6	98.7	0.17	0.17	0.00	2.00	5.5	11.1	1.14	0.09
3.77	15.3	0.18	1.18	-4.1	6	98.7	0.18	0.18	0.00	2.00	5.9	11.7	1.21	0.09
3.94	16.1	0.19	1.18	-4.7	6	98.7	0.19	0.19	0.00	2.00	6.2	12.3	1.27	0.09
4.10	15.2	0.19	1.25	-0.6	6	98.7	0.20	0.20	0.00	2.00	5.8	11.6	1.20	0.09
4.27	13.5	0.11	0.82	-1.2	6	98.7	0.20	0.20	0.00	2.00	5.2	10.3	1.06	0.08
4.43	12.5	0.07	0.56	-1.8	6	98.7	0.21	0.21	0.00	2.00	4.8	9.5	0.98	0.00
4.59	14.3	0.09	0.63	-0.8	6	98.7	0.22	0.22	0.00	2.00	5.5	11.0	1.13	0.08
4.76	14.9	0.13	0.88	-0.8	6	98.7	0.23	0.23	0.00	2.00	5.7	11.4	1.17	0.08
4.92	13.7	0.12	0.88	-0.6	6	98.7	0.24	0.24	0.00	2.00	5.2	10.5	1.07	0.08
5.09	13.3	0.11	0.83	-0.7	6	98.7	0.24	0.24	0.00	2.00	5.1	10.2	1.04	0.08
5.25	13.9	0.12	0.86	-0.8	6	98.7	0.25	0.25	0.00	1.99	5.3	10.6	1.09	0.08
5.41	14.7	0.15	1.02	0.3	6	98.7	0.26	0.26	0.00	1.96	5.6	11.0	1.15	0.09
5.58	16.6	0.16	0.97	0.6	6	98.7	0.27	0.27	0.00	1.93	6.3	12.2	1.30	0.09
5.74	17.4	0.20	1.15	1.1	6	98.7	0.28	0.28	0.00	1.90	6.7	12.7	1.37	0.09
5.91	16.9	0.25	1.48	0.8	6	98.7	0.28	0.28	0.00	1.87	6.5	12.2	1.33	0.09
6.07	17.8	0.31	1.74	2.1	6	98.7	0.29	0.29	0.00	1.85	6.8	12.6	1.40	0.10
6.23	19.1	0.33	1.73	9.7	6	98.7	0.30	0.30	0.00	1.82	7.3	13.4	1.51	0.10
.40	17.6	0.29	1.65	17.5	6	98.7	0.31	0.31	0.00	1.80	6.7	12.1	1.38	0.09
56	17.2	0.25	1.45	23.7	6	98.7	0.32	0.32	0.00	1.78	6.6	11.7	1.35	0.09
.73	18.1	0.21	1.17	23.3	6	98.7	0.33	0.33	0.00	1.75	6.9	12.1	1.42	0.09
6.89	16.8	0.18	1.08	21.4	6	98.7	0.33	0.33	0.00	1.73	6.4	11.1	1.32	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4930
CPT File: 315CP28.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	15.5	0.16	1.03	22.6	6	98.7	0.34	0.34	0.00	1.71	5.9	10.2	1.21	0.09
7.22	15.9	0.17	1.07	21.8	6	98.7	0.35	0.35	0.00	1.69	6.1	10.3	1.25	0.09
7.38	18.1	0.20	1.11	14.6	6	98.7	0.36	0.36	0.00	1.67	6.9	11.6	1.42	0.09
7.55	17.6	0.24	1.37	12.9	6	98.7	0.37	0.37	0.00	1.65	6.8	11.2	1.38	0.09
7.71	17.3	0.25	1.45	11.7	6	98.7	0.37	0.37	0.00	1.64	6.6	10.8	1.35	0.09
7.87	17.8	0.27	1.52	13.9	6	98.7	0.38	0.38	0.00	1.62	6.8	11.0	1.39	0.09
8.04	19.0	0.30	1.59	12.9	6	98.7	0.39	0.39	0.00	1.60	7.3	11.6	1.49	0.10
8.20	20.4	0.31	1.52	14.7	6	98.7	0.40	0.40	0.00	1.59	7.8	12.4	1.60	0.10
8.37	17.9	0.32	1.79	14.7	6	98.7	0.41	0.41	0.00	1.57	6.9	10.8	1.40	0.10
8.53	19.2	0.31	1.62	8.2	6	98.7	0.41	0.41	0.00	1.55	7.4	11.4	1.50	0.10
8.69	18.2	0.33	1.82	5.1	6	98.7	0.42	0.42	0.00	1.54	7.0	10.7	1.42	0.10
8.86	18.7	0.35	1.87	6.1	6	98.7	0.43	0.43	0.00	1.52	7.2	10.9	1.47	0.10
9.02	18.8	0.33	1.76	8.0	6	98.7	0.44	0.44	0.00	1.51	7.2	10.9	1.47	0.10
9.19	19.5	0.31	1.59	9.6	6	98.7	0.45	0.45	0.00	1.50	7.5	11.2	1.53	0.10
9.35	17.9	0.33	1.85	8.9	6	98.7	0.45	0.45	0.00	1.48	6.9	10.2	1.40	0.10
9.51	18.9	0.27	1.43	14.5	6	98.7	0.46	0.46	0.00	1.47	7.2	10.7	1.48	0.09
9.68	19.9	0.30	1.51	17.0	6	98.7	0.47	0.47	0.00	1.46	7.6	11.1	1.56	0.10
9.84	20.9	0.27	1.30	19.9	6	98.7	0.48	0.48	0.00	1.45	8.0	11.5	1.63	0.09
10.01	23.7	0.21	0.89	21.7	6	98.7	0.49	0.49	0.00	1.43	9.1	13.0	1.86	0.09
10.17	23.3	0.19	0.82	2.4	6	98.7	0.50	0.50	0.00	1.42	8.9	12.7	1.83	0.09
10.33	26.8	0.18	0.67	-0.1	7	98.7	0.50	0.50	0.00	1.41	8.5	12.0	UnDef	0.09
10.50	29.3	0.14	0.48	-0.8	7	98.7	0.51	0.51	0.00	1.40	9.3	13.1	UnDef	0.09
10.66	35.6	0.11	0.31	-1.2	7	98.7	0.52	0.52	0.00	1.39	11.4	15.8	UnDef	0.09
10.83	38.3	0.11	0.29	-1.3	8	101.8	0.53	0.53	0.00	1.38	9.2	12.6	UnDef	0.09
10.99	41.8	0.12	0.29	-1.5	8	101.8	0.54	0.54	0.00	1.37	10.0	13.7	UnDef	0.10
11.15	46.3	0.11	0.24	-1.5	8	101.8	0.54	0.54	0.00	1.36	11.1	15.0	UnDef	0.10
11.32	49.1	0.15	0.31	-1.6	8	101.8	0.55	0.55	0.00	1.35	11.7	15.8	UnDef	0.11
11.48	52.2	0.18	0.35	-1.7	8	101.8	0.56	0.56	0.00	1.34	12.5	16.7	UnDef	0.11
11.65	51.8	0.20	0.39	-1.6	8	101.8	0.57	0.57	0.00	1.33	12.4	16.4	UnDef	0.11
81	53.0	0.19	0.36	-1.3	8	101.8	0.58	0.58	0.00	1.32	12.7	16.7	UnDef	0.11
.97	54.5	0.20	0.37	-1.2	8	101.8	0.59	0.59	0.00	1.31	13.1	17.1	UnDef	0.11
12.14	56.5	0.21	0.37	-1.2	8	101.8	0.59	0.59	0.00	1.30	13.5	17.5	UnDef	0.11
12.30	54.0	0.22	0.41	-1.2	8	101.8	0.60	0.60	0.00	1.29	12.9	16.7	UnDef	0.11
12.47	51.4	0.26	0.51	-1.2	8	101.8	0.61	0.61	0.00	1.28	12.3	15.7	UnDef	0.11
12.63	56.3	0.26	0.46	-1.1	8	101.8	0.62	0.62	0.00	1.27	13.5	17.1	UnDef	0.11
12.80	60.9	0.27	0.44	-1.2	8	101.8	0.63	0.63	0.00	1.26	14.6	18.4	UnDef	0.12
12.96	60.7	0.23	0.38	-1.1	8	101.8	0.64	0.64	0.00	1.25	14.5	18.2	UnDef	0.12
13.12	58.1	0.17	0.29	-1.0	8	101.8	0.64	0.64	0.00	1.25	13.9	17.3	UnDef	0.11
13.29	56.7	0.19	0.34	-0.9	8	101.8	0.65	0.65	0.00	1.24	13.6	16.8	UnDef	0.11
13.45	58.6	0.22	0.38	-1.0	8	101.8	0.66	0.66	0.00	1.23	14.0	17.2	UnDef	0.11
13.62	60.2	0.24	0.40	-0.9	8	101.8	0.67	0.67	0.00	1.22	14.4	17.6	UnDef	0.11
13.78	57.6	0.26	0.45	-0.8	8	101.8	0.68	0.68	0.00	1.21	13.8	16.7	UnDef	0.11
13.94	62.6	0.27	0.43	-1.0	8	101.8	0.69	0.69	0.00	1.21	15.0	18.1	UnDef	0.12
14.11	69.1	0.29	0.42	-0.8	8	101.8	0.69	0.69	0.00	1.20	16.5	19.8	UnDef	0.13
14.27	65.5	0.27	0.41	-0.9	8	101.8	0.70	0.70	0.00	1.19	15.7	18.7	UnDef	0.12
14.44	64.1	0.24	0.38	-1.0	8	101.8	0.71	0.71	0.00	1.19	15.3	18.2	UnDef	0.12
14.60	65.6	0.20	0.31	-0.9	8	101.8	0.72	0.72	0.00	1.18	15.7	18.5	UnDef	0.12
14.76	64.2	0.20	0.31	-0.9	8	101.8	0.73	0.73	0.00	1.17	15.4	18.0	UnDef	0.12
14.93	64.1	0.20	0.31	-0.8	8	101.8	0.74	0.74	0.00	1.17	15.3	17.9	UnDef	0.12
15.09	61.3	0.20	0.33	-0.8	8	101.8	0.74	0.74	0.00	1.16	14.7	17.0	UnDef	0.11
15.26	59.6	0.16	0.27	-0.8	8	101.8	0.75	0.75	0.00	1.15	14.3	16.4	UnDef	0.11
15.42	58.4	0.15	0.26	-0.9	8	101.8	0.76	0.76	0.00	1.15	14.0	16.0	UnDef	0.11
15.58	58.4	0.16	0.27	-0.8	8	101.8	0.77	0.77	0.00	1.14	14.0	15.9	UnDef	0.11
15.75	61.8	0.19	0.31	-0.8	8	101.8	0.78	0.78	0.00	1.13	14.8	16.8	UnDef	0.11
15.91	55.1	0.19	0.35	-0.8	8	101.8	0.79	0.79	0.00	1.13	13.2	14.9	UnDef	0.10
16.08	50.5	0.20	0.40	-0.8	8	101.8	0.79	0.79	0.00	1.12	12.1	13.6	UnDef	0.10
16.24	57.5	0.29	0.51	-0.6	8	101.8	0.80	0.80	0.00	1.12	13.8	15.4	UnDef	0.11
16.40	90.8	0.40	0.44	-0.7	8	101.8	0.81	0.81	0.00	1.11	21.7	24.1	UnDef	0.17
16.57	87.2	0.47	0.54	-0.4	8	101.8	0.82	0.82	0.00	1.10	20.9	23.1	UnDef	0.17
16.73	77.7	0.43	0.55	-0.5	8	101.8	0.83	0.83	0.00	1.10	18.6	20.5	UnDef	0.15
.90	75.2	0.41	0.55	-0.6	8	101.8	0.84	0.84	0.00	1.09	18.0	19.7	UnDef	0.14
06	87.5	0.39	0.45	-0.6	8	101.8	0.84	0.84	0.00	1.09	21.0	22.8	UnDef	0.16
.22	86.7	0.38	0.44	-0.6	8	101.8	0.85	0.85	0.00	1.08	20.8	22.5	UnDef	0.15
17.39	71.0	0.33	0.47	-0.4	8	101.8	0.86	0.86	0.00	1.08	17.0	18.3	UnDef	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4930
CPT File: 315CP28.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	61.2	0.19	0.31	-0.4	8	101.8	0.87	0.87	0.00	1.07	14.7	15.7	UnDef	0.10
17.72	61.6	0.18	0.29	-0.3	8	101.8	0.88	0.88	0.00	1.07	14.8	15.7	UnDef	0.10
17.88	76.9	0.33	0.43	-0.3	8	101.8	0.89	0.89	0.00	1.06	18.4	19.6	UnDef	0.13
18.04	65.0	0.63	0.97	-0.3	8	101.8	0.90	0.90	0.00	1.06	15.6	16.4	UnDef	0.14
18.21	48.2	0.69	1.43	-0.4	7	98.7	0.90	0.90	0.00	1.05	15.4	16.2	UnDef	0.13
18.37	44.1	0.62	1.41	-0.1	7	98.7	0.91	0.91	0.00	1.05	14.1	14.7	UnDef	0.13
18.54	46.4	0.55	1.19	-0.5	7	98.7	0.92	0.92	0.00	1.04	14.8	15.4	UnDef	0.12
18.70	43.4	0.57	1.32	0.0	7	98.7	0.93	0.93	0.00	1.04	13.8	14.4	UnDef	0.12
18.86	39.9	0.63	1.58	0.7	7	98.7	0.94	0.94	0.00	1.03	12.7	13.2	UnDef	0.13
19.03	38.6	0.46	1.20	0.7	7	98.7	0.94	0.94	0.00	1.03	12.3	12.7	UnDef	0.11
19.19	40.6	0.42	1.04	1.4	7	98.7	0.95	0.95	0.00	1.03	13.0	13.3	UnDef	0.11
19.36	44.6	0.63	1.41	-2.3	7	98.7	0.96	0.96	0.00	1.02	14.2	14.5	UnDef	0.13
19.52	38.4	0.73	1.91	-2.4	6	98.7	0.97	0.97	0.00	1.02	14.7	14.9	2.99	0.15
19.68	31.8	0.77	2.43	0.3	6	98.7	0.98	0.98	0.00	1.01	12.2	12.3	2.47	0.26
19.85	28.4	0.55	1.94	1.4	6	98.7	0.98	0.98	0.00	1.01	10.9	11.0	2.19	0.18
20.01	29.6	0.43	1.46	2.2	6	98.7	0.99	0.99	0.00	1.00	11.3	11.4	2.29	0.12
20.18	36.5	0.34	0.93	2.9	7	98.7	1.00	1.00	0.00	1.00	11.6	11.6	UnDef	0.10
20.34	44.1	0.26	0.59	1.1	7	98.7	1.01	1.01	0.00	1.00	14.1	14.0	UnDef	0.10
20.51	46.2	0.20	0.43	0.5	8	101.8	1.02	1.02	0.00	0.99	11.1	11.0	UnDef	0.09
20.67	54.4	0.22	0.41	0.5	8	101.8	1.03	1.03	0.00	0.99	13.0	12.9	UnDef	0.09
20.83	58.2	0.26	0.45	0.1	8	101.8	1.03	1.03	0.00	0.98	13.9	13.7	UnDef	0.10
21.00	63.3	0.26	0.41	0.1	8	101.8	1.04	1.04	0.00	0.98	15.2	14.9	UnDef	0.10
21.16	61.6	0.24	0.39	-0.1	8	101.8	1.05	1.05	0.00	0.98	14.8	14.4	UnDef	0.10
21.33	57.9	0.21	0.36	0.0	8	101.8	1.06	1.06	0.00	0.97	13.9	13.5	UnDef	0.10
21.49	50.4	0.26	0.52	-0.2	8	101.8	1.07	1.07	0.00	0.97	12.1	11.7	UnDef	0.10
21.65	43.4	0.40	0.92	-0.3	7	98.7	1.08	1.08	0.00	0.96	13.8	13.4	UnDef	0.11
21.82	35.5	0.55	1.55	-0.1	6	98.7	1.08	1.08	0.00	0.96	13.6	13.1	2.75	0.14
21.98	30.8	0.63	2.05	0.5	6	98.7	1.09	1.09	0.00	0.96	11.8	11.3	2.38	0.23
22.15	30.8	0.55	1.79	3.2	6	98.7	1.10	1.10	0.00	0.95	11.8	11.3	2.38	0.18
.31	29.1	0.50	1.72	7.8	6	98.7	1.11	1.11	0.00	0.95	11.2	10.6	2.24	0.18
.47	28.9	0.55	1.91	11.6	6	98.7	1.12	1.12	0.00	0.95	11.1	10.5	2.22	0.23
22.64	30.9	0.54	1.75	17.6	6	98.7	1.12	1.12	0.00	0.94	11.8	11.2	2.38	0.18
22.80	28.9	0.48	1.66	22.8	6	98.7	1.13	1.13	0.00	0.94	11.1	10.4	2.22	0.17
22.97	30.3	0.49	1.62	24.9	6	98.7	1.14	1.14	0.00	0.94	11.6	10.9	2.33	0.16
23.13	33.9	0.44	1.30	26.0	7	98.7	1.15	1.15	0.00	0.93	10.8	10.1	UnDef	0.12
23.29	33.7	0.53	1.58	26.7	6	98.7	1.16	1.16	0.00	0.93	12.9	12.0	2.60	0.15
23.46	28.6	0.46	1.61	18.9	6	98.7	1.16	1.16	0.00	0.93	10.9	10.1	2.19	0.18
23.62	26.8	0.41	1.53	19.5	6	98.7	1.17	1.17	0.00	0.92	10.3	9.5	2.05	0.18
23.79	32.0	0.42	1.32	20.4	7	98.7	1.18	1.18	0.00	0.92	10.2	9.4	UnDef	0.13
23.95	33.8	0.46	1.37	20.0	7	98.7	1.19	1.19	0.00	0.92	10.8	9.9	UnDef	0.13
24.11	36.1	0.47	1.31	22.0	7	98.7	1.20	1.20	0.00	0.91	11.5	10.5	UnDef	0.13
24.28	39.3	0.59	1.51	11.0	7	98.7	1.20	1.20	0.00	0.91	12.5	11.4	UnDef	0.14
24.44	35.3	0.58	1.65	3.6	6	98.7	1.21	1.21	0.00	0.91	13.5	12.3	2.73	0.16
24.61	31.3	0.62	1.98	4.4	6	98.7	1.22	1.22	0.00	0.91	12.0	10.9	2.41	0.29
24.77	32.8	0.56	1.71	5.8	6	98.7	1.23	1.23	0.00	0.90	12.6	11.3	2.53	0.19
24.93	35.4	0.56	1.59	8.8	6	98.7	1.24	1.24	0.00	0.90	13.5	12.2	2.73	0.16
25.10	40.9	0.56	1.37	4.4	7	98.7	1.25	1.25	0.00	0.90	13.1	11.7	UnDef	0.13
25.26	47.3	0.44	0.93	2.3	7	98.7	1.25	1.25	0.00	0.89	15.1	13.5	UnDef	0.11
25.43	60.1	0.33	0.55	1.3	8	101.8	1.26	1.26	0.00	0.89	14.4	12.8	UnDef	0.11
25.59	59.3	0.19	0.32	0.7	8	101.8	1.27	1.27	0.00	0.89	14.2	12.6	UnDef	0.09
25.75	58.0	0.21	0.36	0.1	8	101.8	1.28	1.28	0.00	0.88	13.9	12.3	UnDef	0.09
25.92	61.4	0.28	0.46	-0.1	8	101.8	1.29	1.29	0.00	0.88	14.7	13.0	UnDef	0.09
26.08	61.6	0.44	0.72	-0.3	8	101.8	1.29	1.29	0.00	0.88	14.8	13.0	UnDef	0.12
26.25	60.7	0.66	1.09	-0.2	7	98.7	1.30	1.30	0.00	0.88	19.4	17.0	UnDef	0.14
26.41	58.9	0.96	1.63	-0.2	7	98.7	1.31	1.31	0.00	0.87	18.8	16.4	UnDef	0.17
26.57	54.3	1.15	2.12	-0.3	6	98.7	1.32	1.32	0.00	0.87	20.8	18.1	4.24	0.23
26.74	53.8	1.23	2.29	-0.1	6	98.7	1.33	1.33	0.00	0.87	20.6	17.9	4.20	0.26
26.90	66.2	1.26	1.91	0.0	7	98.7	1.34	1.34	0.00	0.87	21.1	18.3	UnDef	0.21
27.07	90.6	1.17	1.29	-0.1	8	101.8	1.34	1.34	0.00	0.86	21.7	18.7	UnDef	0.21
27.23	105.1	1.05	1.00	-0.2	8	101.8	1.35	1.35	0.00	0.86	25.2	21.6	UnDef	0.21
.39	132.3	1.08	0.82	-0.5	9	101.8	1.36	1.36	0.00	0.86	25.3	21.7	UnDef	0.27
56	148.4	1.15	0.78	-0.4	9	101.8	1.37	1.37	0.00	0.85	28.4	24.3	UnDef	0.32
.72	179.4	0.02	0.01	-0.3	9	101.8	1.38	1.38	0.00	0.85	34.4	29.3	UnDef	0.39
27.89	203.8	0.02	0.01	-0.1	10	127.3	1.39	1.39	0.00	0.85	32.5	27.6	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4930
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-28
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 12:58
CPT File: 315CP28.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	762.0	0.43	10	8.9	0.0	8.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.5
0.33	1.7E-07	0.00	558.6	0.29	10	13.1	0.0	13.1	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.5
0.49	1.7E-07	0.00	511.3	0.21	10	18.0	0.0	18.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	9.0
0.66	5.0E-05	0.00	586.7	0.13	10	28.6	0.0	28.6	0.0	50	64.8	10.0	-0.17	0.0	11.4
0.82	5.0E-04	0.00	679.3	0.09	10	43.7	0.0	43.7	0.0	50	72.9	1.0	-0.15	0.0	14.6
0.98	5.0E-04	0.00	663.6	0.07	10	53.0	0.0	53.0	0.0	50	75.4	1.0	-0.13	0.0	17.7
1.15	5.0E-04	0.00	568.3	0.78	10	54.2	0.0	54.2	0.6	50	73.5	1.0	-0.33	0.0	18.1
1.31	5.0E-05	0.00	401.4	1.86	9	44.5	1.9	46.5	6.6	48	65.7	10.0	-0.40	0.5	18.3
.48	5.0E-05	0.00	367.5	2.53	12	46.5	UnDef	UnDef	0.0	48	65.1	10.0	-0.45	UnDef	UnDef
.64	5.0E-05	0.00	423.7	1.69	9	60.2	1.1	61.3	5.7	48	70.8	10.0	-0.39	0.3	24.3
1.80	5.0E-04	0.00	471.3	1.32	9	74.2	0.0	74.2	3.7	48	75.3	1.0	-0.37	0.0	24.7
1.97	5.0E-04	0.00	564.3	0.83	9	97.6	0.0	97.6	0.9	50	81.8	1.0	-0.33	0.0	32.5
2.13	5.0E-03	0.00	648.3	0.97	9	122.4	0.0	122.4	1.2	50	87.0	1.0	-0.36	0.0	30.6
2.30	5.0E-04	0.00	541.2	1.34	9	110.7	0.0	110.7	3.3	50	83.0	1.0	-0.38	0.0	36.9
2.46	5.0E-04	0.00	322.6	1.60	9	71.1	2.9	74.0	6.5	48	69.3	1.0	-0.36	0.6	24.3
2.62	5.0E-04	0.00	202.4	0.77	9	47.8	0.0	47.8	4.4	46	57.0	1.0	-0.23	0.0	15.9
2.79	5.0E-04	0.00	154.7	0.10	10	39.0	0.0	39.0	0.4	44	50.2	1.0	-0.03	0.0	13.0
2.95	5.0E-04	0.00	144.7	0.10	9	38.8	0.0	38.8	0.7	44	49.2	1.0	-0.03	0.0	12.9
3.12	5.0E-05	0.00	126.7	0.65	9	36.0	1.3	37.3	6.3	44	46.2	10.0	-0.17	0.3	14.7
3.28	5.0E-05	0.00	124.6	1.45	9	37.3	8.0	45.3	11.6	42	46.5	10.0	-0.25	1.9	16.8
3.44	5.0E-05	0.00	105.8	1.80	7	33.4	11.8	45.2	14.8	42	42.6	10.0	-0.26	2.6	16.0
3.61	5.0E-05	0.00	83.2	1.62	7	27.6	11.6	39.2	16.1	42	36.4	10.0	-0.22	2.5	13.6
3.77	5.0E-05	-0.01	84.3	1.19	9	29.3	8.5	37.8	13.4	42	37.5	10.0	-0.19	1.9	13.6
3.94	5.0E-05	-0.01	84.7	1.20	9	30.8	8.9	39.7	13.4	42	38.3	10.0	-0.19	2.0	14.3
4.10	5.0E-05	0.00	76.7	1.27	7	29.1	10.3	39.4	14.8	40	36.0	10.0	-0.18	2.3	13.9
4.27	5.0E-05	0.00	65.2	0.83	9	25.8	7.3	33.1	13.2	40	32.0	10.0	-0.13	1.6	12.0
4.43	5.0E-05	0.00	57.8	0.57	9	23.8	5.6	29.4	12.1	40	30.0	10.0	-0.09	1.3	10.8
4.59	5.0E-05	0.00	64.0	0.64	9	27.4	6.0	33.4	11.8	40	32.6	10.0	-0.11	1.4	12.4
4.76	5.0E-05	0.00	64.3	0.89	9	28.5	8.8	37.3	13.8	40	33.2	10.0	-0.14	2.0	13.4
4.92	5.0E-05	0.00	56.9	0.90	9	26.2	9.7	35.9	15.1	40	30.3	10.0	-0.12	2.1	12.6
5.09	5.0E-05	0.00	53.4	0.85	7	25.5	9.8	35.2	15.4	40	30.0	10.0	-0.11	2.1	12.3
5.25	5.0E-05	0.00	54.2	0.88	7	26.7	10.4	37.1	15.5	40	30.0	10.0	-0.12	2.3	12.9
5.41	5.0E-05	0.00	55.4	1.04	7	28.2	12.5	40.7	16.5	40	31.0	10.0	-0.14	2.6	13.7
5.58	5.0E-05	0.00	60.7	0.98	7	31.3	11.6	42.9	15.2	40	33.9	10.0	-0.14	2.5	14.7
5.74	5.0E-05	0.00	61.8	1.17	7	32.3	14.0	46.3	16.3	40	34.9	10.0	-0.16	2.9	15.6
5.91	5.0E-05	0.00	58.5	1.51	7	31.1	18.7	49.8	19.1	40	33.8	10.0	-0.17	3.7	15.9
6.07	5.0E-05	0.00	59.9	1.77	7	32.3	22.5	54.7	20.4	40	34.8	10.0	-0.19	4.4	17.0
6.23	5.0E-05	0.02	62.6	1.76	7	34.2	22.3	56.5	19.8	40	36.5	10.0	-0.20	4.4	17.8
6.40	5.0E-05	0.03	55.9	1.68	7	31.0	22.3	53.2	20.7	40	33.7	10.0	-0.18	4.3	16.4
.56	5.0E-05	0.04	53.4	1.48	7	30.0	20.0	50.0	20.0	40	32.7	10.0	-0.16	3.9	15.6
.73	5.0E-05	0.04	54.6	1.19	7	31.0	16.1	47.1	17.8	40	33.7	10.0	-0.14	3.3	15.4
6.89	5.0E-05	0.04	49.3	1.10	7	28.4	15.6	44.1	18.3	38	31.2	6.0	-0.12	3.2	14.3

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›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.05	44.4	1.06	7	26.0	15.9	41.9	19.2	38	30.0	6.0	-0.11	3.2	13.3
7.22	5.0E-05	0.04	44.6	1.09	7	26.4	16.6	42.9	19.4	38	30.0	6.0	-0.11	3.3	13.6
7.38	5.0E-05	0.03	49.6	1.13	7	29.6	16.6	46.2	18.5	38	32.4	6.0	-0.13	3.4	14.9
7.55	5.0E-05	0.02	47.2	1.39	7	28.5	21.1	49.6	20.9	38	31.3	6.0	-0.14	4.0	15.2
7.71	5.0E-05	0.02	45.3	1.48	7	27.7	23.0	50.7	22.0	38	30.5	6.0	-0.15	4.3	15.1
7.87	5.0E-05	0.02	45.5	1.56	7	28.1	24.5	52.6	22.4	38	30.9	6.0	-0.15	4.5	15.5
8.04	5.0E-05	0.02	47.6	1.62	7	29.7	25.3	55.1	22.2	38	32.5	6.0	-0.16	4.7	16.3
8.20	5.0E-05	0.02	50.2	1.55	7	31.6	24.1	55.7	21.2	38	34.3	10.0	-0.16	4.6	17.0
8.37	5.0E-05	0.03	43.1	1.83	7	27.5	30.9	58.4	24.8	38	30.2	6.0	-0.16	5.3	16.1
8.53	5.0E-05	0.01	45.4	1.65	7	29.2	27.2	56.4	23.1	38	32.0	6.0	-0.16	4.9	16.4
8.69	5.0E-05	0.01	42.0	1.86	7	27.4	32.5	59.8	25.3	38	30.1	6.0	-0.16	5.5	16.2
8.86	5.0E-05	0.01	42.6	1.92	7	28.0	33.6	61.6	25.5	38	30.7	6.0	-0.17	5.7	16.6
9.02	5.0E-05	0.01	41.9	1.80	7	27.8	31.8	59.6	25.0	38	30.6	6.0	-0.16	5.5	16.3
9.19	5.0E-05	0.02	42.7	1.63	7	28.6	28.5	57.1	23.7	38	31.4	6.0	-0.15	5.1	16.3
9.35	5.0E-05	0.02	38.4	1.89	7	26.0	35.9	61.9	26.7	38	30.0	6.0	-0.15	5.8	16.0
9.51	5.0E-05	0.02	39.9	1.47	7	27.2	26.7	53.9	23.5	38	30.0	6.0	-0.13	4.8	15.4
9.68	5.0E-05	0.03	41.4	1.54	7	28.5	28.0	56.4	23.6	38	31.2	6.0	-0.14	5.0	16.1
9.84	5.0E-05	0.03	42.5	1.33	7	29.5	23.9	53.4	21.8	38	32.3	6.0	-0.13	4.5	16.0
10.01	5.0E-05	0.03	47.7	0.91	7	33.3	16.0	49.3	17.1	38	35.7	6.0	-0.11	3.3	16.3
10.17	5.0E-05	0.00	46.1	0.83	7	32.4	15.2	47.6	16.9	38	35.0	6.0	-0.10	3.2	15.9
10.33	5.0E-04	0.00	52.2	0.69	9	36.9	12.1	49.0	14.2	38	38.7	1.0	-0.09	2.2	14.2
10.50	5.0E-04	0.00	56.2	0.49	9	40.0	0.0	40.0	5.0	40	41.0	1.0	-0.07	0.0	13.1
10.66	5.0E-04	0.00	67.6	0.31	9	48.4	0.0	48.4	5.0	40	46.5	1.0	-0.05	0.0	15.8
10.83	5.0E-03	0.00	71.5	0.29	9	51.5	0.0	51.5	5.0	40	48.3	1.0	-0.05	0.0	12.6
10.99	5.0E-03	0.00	77.1	0.29	9	55.9	0.0	55.9	5.0	40	50.6	1.0	-0.06	0.0	13.7
11.15	5.0E-03	0.00	84.1	0.24	9	61.4	0.0	61.4	5.0	42	53.3	1.0	-0.05	0.0	15.0
11.32	5.0E-03	0.00	87.8	0.31	9	64.6	0.0	64.6	5.0	42	54.7	1.0	-0.08	0.0	15.8
11.48	5.0E-03	0.00	92.0	0.35	9	68.2	0.0	68.2	5.0	42	56.3	1.0	-0.09	0.0	16.7
11.65	5.0E-03	0.00	90.0	0.39	9	67.2	0.0	67.2	5.0	42	55.9	1.0	-0.10	0.0	16.4
81	5.0E-03	0.00	90.8	0.36	9	68.3	0.0	68.3	5.0	42	56.3	1.0	-0.09	0.0	16.7
.97	5.0E-03	0.00	92.1	0.37	9	69.7	0.0	69.7	5.0	42	56.9	1.0	-0.10	0.0	17.1
12.14	5.0E-03	0.00	94.0	0.38	9	71.7	0.0	71.7	5.0	42	57.7	1.0	-0.10	0.0	17.5
12.30	5.0E-03	0.00	88.7	0.41	9	68.1	0.0	68.1	5.0	42	56.3	1.0	-0.10	0.0	16.7
12.47	5.0E-03	0.00	83.1	0.51	9	64.4	6.2	70.6	8.3	42	54.6	1.0	-0.11	0.9	16.7
12.63	5.0E-03	0.00	90.0	0.47	9	70.1	0.0	70.1	5.0	42	57.1	1.0	-0.11	0.0	17.1
12.80	5.0E-03	0.00	96.1	0.45	9	75.3	0.0	75.3	5.0	42	59.1	1.0	-0.11	0.0	18.4
12.96	5.0E-03	0.00	94.4	0.38	9	74.5	0.0	74.5	5.0	42	58.8	1.0	-0.10	0.0	18.2
13.12	5.0E-03	0.00	89.1	0.30	9	70.8	0.0	70.8	5.0	42	57.4	1.0	-0.07	0.0	17.3
13.29	5.0E-03	0.00	85.8	0.34	9	68.6	0.0	68.6	5.0	42	56.5	1.0	-0.08	0.0	16.8
13.45	5.0E-03	0.00	87.6	0.38	9	70.5	0.0	70.5	5.0	42	57.3	1.0	-0.09	0.0	17.2
13.62	5.0E-03	0.00	89.0	0.40	9	72.0	0.0	72.0	5.0	42	57.9	1.0	-0.10	0.0	17.6
13.78	5.0E-03	0.00	83.9	0.46	9	68.4	0.0	68.4	5.0	42	56.4	1.0	-0.10	0.0	16.7
13.94	5.0E-03	0.00	90.2	0.44	9	73.9	0.0	73.9	5.0	42	58.6	1.0	-0.11	0.0	18.1
14.11	5.0E-03	0.00	98.4	0.43	9	81.1	0.0	81.1	5.0	42	61.3	1.0	-0.11	0.0	19.8
14.27	5.0E-03	0.00	92.1	0.42	9	76.4	0.0	76.4	5.0	42	59.6	1.0	-0.11	0.0	18.7
14.44	5.0E-03	0.00	89.1	0.38	9	74.3	0.0	74.3	5.0	42	58.8	1.0	-0.09	0.0	18.2
14.60	5.0E-03	0.00	90.2	0.31	9	75.7	0.0	75.7	5.0	42	59.3	1.0	-0.08	0.0	18.5
14.76	5.0E-03	0.00	87.2	0.32	9	73.6	0.0	73.6	5.0	42	58.5	1.0	-0.08	0.0	18.0
14.93	5.0E-03	0.00	86.0	0.32	9	73.1	0.0	73.1	5.0	42	58.3	1.0	-0.08	0.0	17.9
15.09	5.0E-03	0.00	81.2	0.33	9	69.5	0.0	69.5	5.0	42	56.8	1.0	-0.08	0.0	17.0
15.26	5.0E-03	0.00	78.1	0.27	9	67.2	0.0	67.2	5.0	42	55.9	1.0	-0.06	0.0	16.4
15.42	5.0E-03	0.00	75.8	0.26	9	65.5	0.0	65.5	5.0	40	55.2	1.0	-0.05	0.0	16.0
15.58	5.0E-03	0.00	74.8	0.28	9	65.1	0.0	65.1	5.0	40	55.0	1.0	-0.05	0.0	15.9
15.75	5.0E-03	0.00	78.4	0.31	9	68.5	0.0	68.5	5.0	42	56.4	1.0	-0.07	0.0	16.8
15.91	5.0E-03	0.00	69.0	0.35	9	60.8	0.0	60.8	5.0	40	53.0	1.0	-0.07	0.0	14.9
16.08	5.0E-03	0.00	62.6	0.40	9	55.5	0.0	55.5	5.0	40	50.4	1.0	-0.07	0.0	13.6
16.24	5.0E-03	0.00	70.6	0.51	9	62.8	8.9	71.7	9.7	40	53.9	1.0	-0.10	1.3	16.7
16.40	5.0E-03	0.00	110.9	0.45	9	98.6	0.0	98.6	5.0	42	66.9	1.0	-0.13	0.0	24.1
16.57	5.0E-03	0.00	105.3	0.55	9	94.2	4.7	99.0	6.8	42	65.6	1.0	-0.14	0.7	23.8
16.73	5.0E-03	0.00	92.9	0.56	9	83.6	6.9	90.5	7.9	42	62.1	1.0	-0.13	1.0	21.5
90	5.0E-03	0.00	88.9	0.55	9	80.4	7.3	87.8	8.1	42	61.0	1.0	-0.12	1.1	20.8
06	5.0E-03	0.00	102.6	0.45	9	93.2	0.0	93.2	5.0	42	65.2	1.0	-0.12	0.0	22.8
.22	5.0E-03	0.00	100.6	0.44	9	91.8	0.0	91.8	5.0	42	64.8	1.0	-0.12	0.0	22.5
17.39	5.0E-03	0.00	81.4	0.47	9	74.8	0.0	74.8	5.0	42	59.0	1.0	-0.10	0.0	18.3

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Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	69.3	0.32	9	64.2	0.0	64.2	5.0	40	54.6	1.0	-0.06	0.0	15.7
17.72	5.0E-03	0.00	69.2	0.30	9	64.4	0.0	64.4	5.0	40	54.6	1.0	-0.05	0.0	15.7
17.88	5.0E-03	0.00	85.7	0.44	9	79.9	0.0	79.9	5.0	42	60.9	1.0	-0.10	0.0	19.6
18.04	5.0E-03	0.00	71.6	0.99	9	67.2	19.8	86.9	13.5	40	55.9	1.0	-0.15	2.7	19.2
18.21	5.0E-04	0.00	52.4	1.46	7	49.7	33.5	83.2	20.1	38	47.2	1.0	-0.16	5.5	21.7
18.37	5.0E-04	0.00	47.4	1.44	7	45.2	34.3	79.5	21.2	38	44.5	1.0	-0.15	5.5	20.2
18.54	5.0E-04	0.00	49.4	1.21	7	47.3	28.6	75.9	19.1	38	45.8	1.0	-0.14	4.8	20.2
18.70	5.0E-04	0.00	45.8	1.35	7	44.1	32.7	76.8	21.0	38	43.8	1.0	-0.14	5.2	19.6
18.86	5.0E-04	0.00	41.6	1.62	7	40.3	41.5	81.8	24.0	38	41.3	1.0	-0.15	6.1	19.3
19.03	5.0E-04	0.00	39.9	1.22	7	38.9	31.8	70.6	21.8	38	40.2	1.0	-0.12	5.0	17.6
19.19	5.0E-04	0.00	41.7	1.06	7	40.8	27.3	68.1	20.0	38	41.5	1.0	-0.11	4.5	17.8
19.36	5.0E-04	0.00	45.5	1.45	7	44.6	35.9	80.5	21.7	38	44.1	1.0	-0.15	5.6	20.2
19.52	5.0E-05	0.00	38.6	1.96	7	38.2	54.4	92.5	27.0	38	39.7	6.0	-0.16	8.7	23.6
19.68	5.0E-05	0.00	31.6	2.50	6	31.5	92.8	124.3	33.0	36	34.2	6.0	-0.17	10.8	23.1
19.85	5.0E-05	0.00	27.8	2.01	6	28.0	74.9	102.9	32.3	36	30.8	6.0	-0.13	9.2	20.1
20.01	5.0E-05	0.00	28.8	1.51	7	29.1	48.6	77.7	28.4	36	31.9	6.0	-0.10	7.3	18.7
20.18	5.0E-04	0.00	35.5	0.96	7	35.7	27.4	63.1	21.3	38	37.8	1.0	-0.09	4.3	16.0
20.34	5.0E-04	0.00	42.7	0.61	7	43.0	17.1	60.0	15.6	38	43.1	1.0	-0.07	3.0	17.0
20.51	5.0E-03	0.00	44.4	0.44	9	44.8	0.0	44.8	5.0	38	44.3	1.0	-0.05	0.0	11.0
20.67	5.0E-03	0.00	52.1	0.41	9	52.6	0.0	52.6	5.0	38	48.9	1.0	-0.05	0.0	12.9
20.83	5.0E-03	0.00	55.3	0.46	9	56.0	0.0	56.0	5.0	40	50.7	1.0	-0.07	0.0	13.7
21.00	5.0E-03	0.00	59.8	0.42	9	60.7	0.0	60.7	5.0	40	53.0	1.0	-0.07	0.0	14.9
21.16	5.0E-03	0.00	57.7	0.40	9	58.9	0.0	58.9	5.0	40	52.1	1.0	-0.06	0.0	14.4
21.33	5.0E-03	0.00	53.7	0.37	9	55.1	0.0	55.1	5.0	40	50.2	1.0	-0.05	0.0	13.5
21.49	5.0E-03	0.00	46.2	0.53	9	47.8	15.0	62.8	14.0	38	46.1	1.0	-0.06	2.1	13.7
21.65	5.0E-04	0.00	39.3	0.95	7	40.9	26.8	67.8	19.8	38	41.7	1.0	-0.09	4.4	17.7
21.82	5.0E-05	0.00	31.8	1.60	7	33.4	50.9	84.3	27.6	36	35.8	6.0	-0.12	7.9	21.0
21.98	5.0E-05	0.00	27.2	2.13	6	28.8	89.0	117.8	33.3	36	31.6	6.0	-0.13	10.1	21.4
22.15	5.0E-05	0.00	27.0	1.86	7	28.8	72.0	100.7	31.8	36	31.6	6.0	-0.12	9.1	20.4
31	5.0E-05	0.01	25.3	1.79	7	27.1	74.0	101.1	32.4	34	30.0	6.0	-0.10	9.0	19.5
.47	5.0E-05	0.01	24.9	1.98	6	26.8	90.2	117.0	33.9	34	30.0	6.0	-0.11	9.8	20.3
22.64	5.0E-05	0.02	26.5	1.82	7	28.5	72.3	100.8	31.9	36	31.3	6.0	-0.11	9.1	20.2
22.80	5.0E-05	0.03	24.6	1.73	7	26.6	73.7	100.3	32.5	34	30.0	6.0	-0.10	8.9	19.3
22.97	5.0E-05	0.03	25.6	1.69	7	27.7	67.6	95.4	31.6	34	30.5	6.0	-0.10	8.7	19.5
23.13	5.0E-04	0.02	28.5	1.35	7	30.9	46.4	77.3	27.5	36	33.6	1.0	-0.09	6.1	16.1
23.29	5.0E-05	0.03	28.1	1.63	7	30.6	59.3	89.9	29.7	36	33.4	6.0	-0.11	8.4	20.4
23.46	5.0E-05	0.02	23.5	1.68	6	25.9	75.4	101.3	32.9	34	30.0	6.0	-0.09	8.8	19.0
23.62	5.0E-05	0.02	21.9	1.60	6	24.2	78.1	102.3	33.6	34	30.0	6.0	-0.08	8.7	18.1
23.79	5.0E-04	0.02	26.1	1.37	7	28.8	51.1	79.9	29.0	34	31.6	1.0	-0.08	6.3	15.7
23.95	5.0E-04	0.02	27.4	1.42	7	30.3	51.4	81.7	28.6	36	33.1	1.0	-0.09	6.4	16.3
24.11	5.0E-04	0.02	29.1	1.35	7	32.3	46.7	78.9	27.1	36	34.9	1.0	-0.09	6.2	16.7
24.28	5.0E-04	0.01	31.6	1.55	7	35.0	52.0	87.0	27.4	36	37.2	1.0	-0.11	6.8	18.2
24.44	5.0E-05	0.00	28.1	1.71	7	31.4	64.4	95.8	30.2	36	34.0	6.0	-0.11	8.9	21.2
24.61	5.0E-05	0.00	24.7	2.06	6	27.7	103.7	131.5	34.5	34	30.5	6.0	-0.12	10.6	21.4
24.77	5.0E-05	0.01	25.7	1.78	7	29.0	75.6	104.6	32.1	34	31.7	6.0	-0.11	9.4	20.7
24.93	5.0E-05	0.01	27.6	1.64	7	31.1	62.9	94.0	30.1	36	33.8	6.0	-0.11	8.8	21.0
25.10	5.0E-04	0.00	31.9	1.42	7	35.9	47.3	83.2	26.3	36	37.9	1.0	-0.11	6.5	18.2
25.26	5.0E-04	0.00	36.8	0.96	7	41.4	30.1	71.5	20.8	38	42.0	1.0	-0.09	4.8	18.3
25.43	5.0E-03	0.00	46.7	0.56	9	52.4	17.1	69.5	14.2	38	48.7	1.0	-0.07	2.3	15.1
25.59	5.0E-03	0.00	45.7	0.33	9	51.5	0.0	51.5	5.0	38	48.2	1.0	-0.02	0.0	12.6
25.75	5.0E-03	0.00	44.4	0.37	9	50.2	0.0	50.2	5.0	38	47.5	1.0	-0.03	0.0	12.3
25.92	5.0E-03	0.00	46.8	0.47	9	53.0	0.0	53.0	5.0	38	49.1	1.0	-0.05	0.0	13.0
26.08	5.0E-03	0.00	46.6	0.73	7	53.0	21.7	74.7	15.9	38	49.1	1.0	-0.09	2.9	15.9
26.25	5.0E-04	0.00	45.6	1.11	7	52.0	32.3	84.3	19.3	38	48.5	1.0	-0.12	5.3	22.3
26.41	5.0E-04	0.00	43.9	1.67	7	50.3	49.6	99.9	23.6	38	47.6	1.0	-0.16	7.4	23.8
26.57	5.0E-05	0.00	40.2	2.18	7	46.3	71.1	117.3	27.7	38	45.2	6.0	-0.18	11.0	29.2
26.74	5.0E-05	0.00	39.5	2.35	7	45.7	79.9	125.6	28.8	38	44.8	6.0	-0.18	11.8	29.7
26.90	5.0E-04	0.00	48.6	1.95	7	56.0	57.1	113.2	23.9	38	50.7	1.0	-0.18	8.4	26.7
27.07	5.0E-03	0.00	66.5	1.31	7	76.5	33.9	110.4	16.5	40	59.6	1.0	-0.17	4.5	23.2
27.23	5.0E-03	0.00	76.7	1.01	9	88.4	24.2	112.7	13.1	40	63.8	1.0	-0.16	3.4	25.0
.39	5.0E-02	0.00	96.3	0.83	9	111.0	16.0	127.0	9.7	42	70.3	1.0	-0.17	1.9	23.6
56	5.0E-02	0.00	107.4	0.78	9	124.1	13.0	137.1	8.6	42	73.5	1.0	-0.17	1.5	25.8
.72	5.0E-02	0.00	129.3	0.01	10	149.6	0.0	149.6	3.4	44	78.8	1.0	0.16	0.0	29.3
27.89	5.0E+00	0.00	146.0	0.01	10	169.4	0.0	169.4	3.2	44	82.4	1.0	0.16	0.0	27.6

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4968
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-29
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 13:26
CPT File: 315CP29.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
0.16	6.4	0.02	0.31	0.2	1	74.5	0.01	0.01	0.00	2.00	3.1	6.1	0.51	0.00
0.33	6.7	0.02	0.30	-0.2	1	74.5	0.01	0.01	0.00	2.00	3.2	6.4	0.54	0.00
0.49	8.8	0.02	0.23	-0.6	1	74.5	0.02	0.02	0.00	2.00	4.2	8.4	0.70	0.00
0.66	10.7	0.02	0.19	0.0	6	98.7	0.03	0.03	0.00	2.00	4.1	8.2	0.86	0.00
0.82	10.5	0.02	0.19	0.4	6	98.7	0.03	0.03	0.00	2.00	4.0	8.1	0.84	0.00
0.98	11.1	0.02	0.18	0.4	6	98.7	0.04	0.04	0.00	2.00	4.3	8.5	0.89	0.00
1.15	10.8	0.02	0.19	0.4	6	98.7	0.05	0.05	0.00	2.00	4.1	8.3	0.86	0.00
1.31	12.1	0.02	0.17	0.4	6	98.7	0.06	0.06	0.00	2.00	4.6	9.2	0.96	0.00
1.48	6.3	0.02	0.32	0.4	1	74.5	0.06	0.06	0.00	2.00	3.0	6.0	0.50	0.00
1.64	8.2	0.02	0.24	0.3	1	74.5	0.07	0.07	0.00	2.00	3.9	7.9	0.65	0.00
1.80	7.0	0.02	0.29	0.4	1	74.5	0.08	0.08	0.00	2.00	3.4	6.7	0.56	0.00
1.97	5.8	0.02	0.34	0.3	1	74.5	0.08	0.08	0.00	2.00	2.8	5.6	0.46	0.00
2.13	8.8	0.02	0.23	0.4	1	74.5	0.09	0.09	0.00	2.00	4.2	8.4	0.70	0.00
2.30	10.7	0.02	0.19	0.4	6	98.7	0.10	0.10	0.00	2.00	4.1	8.2	0.85	0.00
2.46	14.5	0.02	0.14	0.4	6	98.7	0.10	0.10	0.00	2.00	5.6	11.1	1.15	0.00
2.62	23.1	0.06	0.26	0.4	7	98.7	0.11	0.11	0.00	2.00	7.4	14.8	UnDef	0.09
2.79	23.7	0.26	1.10	0.2	6	98.7	0.12	0.12	0.00	2.00	9.1	18.2	1.89	0.09
2.95	18.8	0.32	1.70	0.6	6	98.7	0.13	0.13	0.00	2.00	7.2	14.4	1.50	0.09
3.12	16.3	0.18	1.11	0.4	6	98.7	0.14	0.14	0.00	2.00	6.2	12.5	1.29	0.08
3.28	15.7	0.04	0.26	-1.8	6	98.7	0.14	0.14	0.00	2.00	6.0	12.0	1.25	0.08
3.44	14.3	0.02	0.14	-3.0	6	98.7	0.15	0.15	0.00	2.00	5.5	10.9	1.13	0.00
3.61	16.5	0.02	0.12	-2.0	7	98.7	0.16	0.16	0.00	2.00	5.3	10.6	UnDef	0.08
3.77	17.7	0.03	0.17	-0.6	7	98.7	0.17	0.17	0.00	2.00	5.6	11.3	UnDef	0.08
3.94	19.1	0.09	0.47	0.2	6	98.7	0.18	0.18	0.00	2.00	7.3	14.6	1.51	0.08
4.10	15.9	0.10	0.63	-1.2	6	98.7	0.19	0.19	0.00	2.00	6.1	12.2	1.26	0.08
4.27	13.8	0.05	0.36	-3.0	6	98.7	0.19	0.19	0.00	2.00	5.3	10.6	1.09	0.00
4.43	13.6	0.02	0.15	-4.1	6	98.7	0.20	0.20	0.00	2.00	5.2	10.4	1.07	0.00
4.59	12.2	0.02	0.16	-4.4	6	98.7	0.21	0.21	0.00	2.00	4.7	9.4	0.96	0.00
4.76	13.0	0.02	0.15	-0.3	6	98.7	0.22	0.22	0.00	2.00	5.0	10.0	1.03	0.00
4.92	12.8	0.02	0.16	-0.5	6	98.7	0.23	0.23	0.00	2.00	4.9	9.8	1.00	0.00
5.09	13.3	0.03	0.23	-0.7	6	98.7	0.23	0.23	0.00	2.00	5.1	10.2	1.05	0.00
5.25	13.6	0.06	0.44	-0.5	6	98.7	0.24	0.24	0.00	2.00	5.2	10.4	1.07	0.00
5.41	12.6	0.08	0.64	-0.4	6	98.7	0.25	0.25	0.00	2.00	4.8	9.6	0.99	0.08
5.58	12.5	0.08	0.64	-1.3	6	98.7	0.26	0.26	0.00	1.97	4.8	9.4	0.98	0.08
5.74	13.3	0.14	1.05	-1.9	6	98.7	0.27	0.27	0.00	1.94	5.1	9.9	1.05	0.09
5.91	13.8	0.13	0.95	-2.0	6	98.7	0.27	0.27	0.00	1.91	5.3	10.1	1.08	0.09
6.07	13.9	0.14	1.01	-0.7	6	98.7	0.28	0.28	0.00	1.88	5.3	10.0	1.09	0.09
6.23	14.2	0.17	1.20	-0.2	6	98.7	0.29	0.29	0.00	1.86	5.5	10.1	1.12	0.09
6.40	14.3	0.23	1.62	1.7	6	98.7	0.30	0.30	0.00	1.83	5.5	10.0	1.12	0.09
6.56	14.3	0.22	1.55	5.3	6	98.7	0.31	0.31	0.00	1.81	5.5	9.9	1.12	0.09
6.73	11.5	0.14	1.22	2.7	6	98.7	0.31	0.31	0.00	1.78	4.4	7.9	0.90	0.09
6.89	10.7	0.08	0.75	-0.2	6	98.7	0.32	0.32	0.00	1.76	4.1	7.2	0.83	0.08

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4968
CPT File: 315CP29.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	11.4	0.05	0.44	-0.3	6	98.7	0.33	0.33	0.00	1.74	4.4	7.6	0.88	0.00
7.22	11.1	0.12	1.08	0.0	6	98.7	0.34	0.34	0.00	1.72	4.3	7.3	0.86	0.09
7.38	13.9	0.16	1.15	0.0	6	98.7	0.35	0.35	0.00	1.70	5.3	9.1	1.09	0.09
7.55	14.1	0.20	1.42	-0.2	6	98.7	0.36	0.36	0.00	1.68	5.4	9.1	1.10	0.09
7.71	13.4	0.19	1.42	1.2	6	98.7	0.36	0.36	0.00	1.66	5.1	8.5	1.04	0.09
7.87	13.4	0.19	1.42	3.2	6	98.7	0.37	0.37	0.00	1.64	5.1	8.4	1.04	0.09
8.04	14.3	0.19	1.34	3.2	6	98.7	0.38	0.38	0.00	1.62	5.5	8.9	1.11	0.09
8.20	13.8	0.20	1.45	2.4	6	98.7	0.39	0.39	0.00	1.61	5.3	8.5	1.07	0.09
8.37	15.3	0.20	1.31	-1.4	6	98.7	0.40	0.40	0.00	1.59	5.8	9.3	1.19	0.09
8.53	13.7	0.20	1.47	-1.0	6	98.7	0.40	0.40	0.00	1.57	5.2	8.2	1.06	0.09
8.69	12.3	0.17	1.38	-0.9	5	85.3	0.41	0.41	0.00	1.56	5.9	9.2	0.95	0.09
8.86	12.4	0.13	1.05	-1.2	6	98.7	0.42	0.42	0.00	1.54	4.7	7.3	0.96	0.09
9.02	10.7	0.19	1.77	-1.1	5	85.3	0.43	0.43	0.00	1.53	5.1	7.9	0.82	0.11
9.19	10.8	0.19	1.76	-1.1	5	85.3	0.43	0.43	0.00	1.52	5.2	7.8	0.83	0.11
9.35	11.8	0.18	1.53	-0.6	5	85.3	0.44	0.44	0.00	1.51	5.7	8.5	0.91	0.10
9.51	12.8	0.25	1.95	-0.3	5	85.3	0.45	0.45	0.00	1.49	6.1	9.2	0.99	0.11
9.68	16.6	0.26	1.57	0.1	6	98.7	0.46	0.46	0.00	1.48	6.3	9.4	1.29	0.10
9.84	16.5	0.19	1.16	1.7	6	98.7	0.46	0.46	0.00	1.47	6.3	9.3	1.28	0.09
10.01	20.0	0.09	0.45	1.0	7	98.7	0.47	0.47	0.00	1.46	6.4	9.3	UnDef	0.00
10.17	30.7	0.09	0.29	-0.6	7	98.7	0.48	0.48	0.00	1.44	9.8	14.2	UnDef	0.09
10.33	33.4	0.14	0.42	-1.2	7	98.7	0.49	0.49	0.00	1.43	10.7	15.3	UnDef	0.09
10.50	37.0	0.17	0.46	-1.2	7	98.7	0.50	0.50	0.00	1.42	11.8	16.8	UnDef	0.09
10.66	37.4	0.17	0.46	-1.1	7	98.7	0.50	0.50	0.00	1.41	11.9	16.8	UnDef	0.09
10.83	39.4	0.14	0.36	-1.1	7	98.7	0.51	0.51	0.00	1.40	12.6	17.6	UnDef	0.09
10.99	39.5	0.15	0.38	-1.1	7	98.7	0.52	0.52	0.00	1.39	12.6	17.5	UnDef	0.09
11.15	38.4	0.18	0.47	-1.2	7	98.7	0.53	0.53	0.00	1.38	12.3	16.9	UnDef	0.09
11.32	38.1	0.18	0.47	-1.0	7	98.7	0.54	0.54	0.00	1.37	12.2	16.6	UnDef	0.09
11.48	45.0	0.20	0.45	-0.9	8	101.8	0.54	0.54	0.00	1.36	10.8	14.6	UnDef	0.10
11.65	47.3	0.24	0.51	-1.0	8	101.8	0.55	0.55	0.00	1.35	11.3	15.2	UnDef	0.11
81	49.4	0.26	0.53	-0.8	8	101.8	0.56	0.56	0.00	1.34	11.8	15.8	UnDef	0.11
.97	43.7	0.35	0.80	-0.9	7	98.7	0.57	0.57	0.00	1.33	13.9	18.5	UnDef	0.11
12.14	39.2	0.53	1.35	-1.2	7	98.7	0.58	0.58	0.00	1.32	12.5	16.5	UnDef	0.12
12.30	33.1	0.51	1.54	-0.7	6	98.7	0.59	0.59	0.00	1.31	12.7	16.6	2.60	0.11
12.47	33.1	0.44	1.33	-1.2	7	98.7	0.59	0.59	0.00	1.30	10.6	13.7	UnDef	0.11
12.63	32.3	0.48	1.49	-1.2	6	98.7	0.60	0.60	0.00	1.29	12.4	15.9	2.53	0.11
12.80	28.0	0.51	1.82	-0.5	6	98.7	0.61	0.61	0.00	1.28	10.7	13.8	2.19	0.12
12.96	28.1	0.54	1.93	0.8	6	98.7	0.62	0.62	0.00	1.27	10.7	13.7	2.19	0.12
13.12	25.4	0.44	1.74	-0.6	6	98.7	0.63	0.63	0.00	1.26	9.7	12.3	1.98	0.11
13.29	31.4	0.36	1.15	1.5	7	98.7	0.63	0.63	0.00	1.26	10.0	12.6	UnDef	0.10
13.45	47.5	0.27	0.57	0.1	8	101.8	0.64	0.64	0.00	1.25	11.4	14.2	UnDef	0.11
13.62	57.6	0.26	0.45	-0.6	8	101.8	0.65	0.65	0.00	1.24	13.8	17.1	UnDef	0.11
13.78	65.8	0.29	0.44	-0.7	8	101.8	0.66	0.66	0.00	1.23	15.8	19.4	UnDef	0.13
13.94	65.7	0.34	0.52	-0.8	8	101.8	0.67	0.67	0.00	1.22	15.7	19.3	UnDef	0.13
14.11	64.2	0.34	0.53	-0.9	8	101.8	0.68	0.68	0.00	1.22	15.4	18.7	UnDef	0.13
14.27	59.5	0.35	0.59	-0.8	8	101.8	0.68	0.68	0.00	1.21	14.2	17.2	UnDef	0.12
14.44	58.7	0.35	0.60	-0.9	8	101.8	0.69	0.69	0.00	1.20	14.1	16.9	UnDef	0.12
14.60	55.8	0.35	0.63	-0.9	8	101.8	0.70	0.70	0.00	1.19	13.4	16.0	UnDef	0.12
14.76	55.8	0.34	0.61	-0.9	8	101.8	0.71	0.71	0.00	1.19	13.4	15.9	UnDef	0.12
14.93	56.7	0.31	0.55	-0.6	8	101.8	0.72	0.72	0.00	1.18	13.6	16.0	UnDef	0.12
15.09	55.4	0.33	0.60	-0.6	8	101.8	0.73	0.73	0.00	1.17	13.3	15.6	UnDef	0.12
15.26	58.1	0.33	0.57	-0.6	8	101.8	0.73	0.73	0.00	1.17	13.9	16.2	UnDef	0.12
15.42	54.7	0.37	0.68	-0.7	8	101.8	0.74	0.74	0.00	1.16	13.1	15.2	UnDef	0.12
15.58	51.7	0.42	0.81	-0.6	7	98.7	0.75	0.75	0.00	1.15	16.5	19.0	UnDef	0.12
15.75	52.6	0.38	0.72	-0.6	8	101.8	0.76	0.76	0.00	1.15	12.6	14.5	UnDef	0.12
15.91	51.2	0.38	0.74	-0.5	7	98.7	0.77	0.77	0.00	1.14	16.3	18.6	UnDef	0.11
16.08	55.4	0.37	0.67	-0.6	8	101.8	0.78	0.78	0.00	1.14	13.3	15.1	UnDef	0.12
16.24	58.4	0.45	0.77	-0.6	8	101.8	0.78	0.78	0.00	1.13	14.0	15.8	UnDef	0.13
16.40	59.6	0.47	0.79	-0.5	8	101.8	0.79	0.79	0.00	1.12	14.3	16.0	UnDef	0.13
16.57	61.6	0.45	0.73	-0.4	8	101.8	0.80	0.80	0.00	1.12	14.7	16.5	UnDef	0.13
16.73	58.6	0.40	0.68	-0.4	8	101.8	0.81	0.81	0.00	1.11	14.0	15.6	UnDef	0.12
90	56.9	0.36	0.63	-0.3	8	101.8	0.82	0.82	0.00	1.11	13.6	15.1	UnDef	0.12
06	59.3	0.36	0.61	-0.3	8	101.8	0.83	0.83	0.00	1.10	14.2	15.6	UnDef	0.12
.22	57.9	0.36	0.62	-0.4	8	101.8	0.83	0.83	0.00	1.10	13.9	15.2	UnDef	0.12
17.39	56.5	0.40	0.71	-0.3	8	101.8	0.84	0.84	0.00	1.09	13.5	14.8	UnDef	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4968
CPT File: 315CP29.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	59.1	0.49	0.83	-0.2	8	101.8	0.85	0.85	0.00	1.08	14.1	15.3	UnDef	0.13
17.72	55.5	0.73	1.32	-0.3	7	98.7	0.86	0.86	0.00	1.08	17.7	19.1	UnDef	0.14
17.88	48.4	0.80	1.66	-0.3	7	98.7	0.87	0.87	0.00	1.07	15.5	16.6	UnDef	0.14
18.04	46.6	0.83	1.79	-0.3	7	98.7	0.87	0.87	0.00	1.07	14.9	15.9	UnDef	0.15
18.21	44.6	0.86	1.93	-0.4	6	98.7	0.88	0.88	0.00	1.06	17.1	18.2	3.50	0.16
18.37	39.1	0.91	2.33	0.1	6	98.7	0.89	0.89	0.00	1.06	15.0	15.9	3.06	0.19
18.54	37.2	0.87	2.35	1.0	6	98.7	0.90	0.90	0.00	1.05	14.2	15.0	2.90	0.19
18.70	41.7	0.77	1.85	1.7	6	98.7	0.91	0.91	0.00	1.05	16.0	16.8	3.26	0.15
18.86	42.1	0.70	1.67	-1.0	7	98.7	0.92	0.92	0.00	1.05	13.4	14.0	UnDef	0.14
19.03	37.8	0.71	1.89	0.3	6	98.7	0.92	0.92	0.00	1.04	14.5	15.1	2.95	0.15
19.19	39.9	0.78	1.96	0.9	6	98.7	0.93	0.93	0.00	1.04	15.3	15.8	3.12	0.16
19.36	35.3	0.65	1.85	1.8	6	98.7	0.94	0.94	0.00	1.03	13.5	13.9	2.75	0.15
19.52	28.2	0.53	1.88	3.7	6	98.7	0.95	0.95	0.00	1.03	10.8	11.1	2.18	0.16
19.68	31.2	0.39	1.25	4.5	7	98.7	0.96	0.96	0.00	1.02	10.0	10.2	UnDef	0.11
19.85	37.3	0.43	1.15	3.4	7	98.7	0.96	0.96	0.00	1.02	11.9	12.1	UnDef	0.11
20.01	40.6	0.49	1.21	0.5	7	98.7	0.97	0.97	0.00	1.01	13.0	13.1	UnDef	0.12
20.18	42.0	0.61	1.46	-0.3	7	98.7	0.98	0.98	0.00	1.01	13.4	13.5	UnDef	0.13
20.34	42.1	0.60	1.43	0.2	7	98.7	0.99	0.99	0.00	1.01	13.4	13.5	UnDef	0.13
20.51	41.7	0.63	1.51	-0.6	7	98.7	1.00	1.00	0.00	1.00	13.3	13.3	UnDef	0.13
20.67	41.3	0.52	1.26	-0.4	7	98.7	1.00	1.00	0.00	1.00	13.2	13.1	UnDef	0.12
20.83	38.5	0.44	1.14	-0.3	7	98.7	1.01	1.01	0.00	0.99	12.3	12.2	UnDef	0.11
21.00	33.3	0.38	1.14	0.1	7	98.7	1.02	1.02	0.00	0.99	10.6	10.5	UnDef	0.11
21.16	31.9	0.37	1.16	-0.2	7	98.7	1.03	1.03	0.00	0.99	10.2	10.0	UnDef	0.11
21.33	35.6	0.35	0.99	0.0	7	98.7	1.04	1.04	0.00	0.98	11.4	11.2	UnDef	0.10
21.49	37.4	0.46	1.23	-0.1	7	98.7	1.04	1.04	0.00	0.98	11.9	11.7	UnDef	0.12
21.65	34.9	0.47	1.35	0.2	7	98.7	1.05	1.05	0.00	0.97	11.2	10.9	UnDef	0.12
21.82	32.7	0.57	1.75	0.5	6	98.7	1.06	1.06	0.00	0.97	12.5	12.2	2.53	0.15
21.98	30.1	0.51	1.70	1.3	6	98.7	1.07	1.07	0.00	0.97	11.5	11.2	2.32	0.16
[illegible].15	29.9	0.53	1.78	3.9	6	98.7	1.08	1.08	0.00	0.96	11.5	11.0	2.31	0.17
[illegible]31	27.8	0.55	1.98	8.2	6	98.7	1.09	1.09	0.00	0.96	10.7	10.2	2.14	0.26
[illegible].47	28.7	0.50	1.75	13.3	6	98.7	1.09	1.09	0.00	0.96	11.0	10.5	2.21	0.18
22.64	27.0	0.44	1.63	18.6	6	98.7	1.10	1.10	0.00	0.95	10.3	9.8	2.07	0.17
22.80	26.8	0.42	1.57	20.8	6	98.7	1.11	1.11	0.00	0.95	10.3	9.7	2.06	0.17
22.97	29.9	0.38	1.27	22.3	6	98.7	1.12	1.12	0.00	0.95	11.4	10.8	2.30	0.12
23.13	29.6	0.44	1.49	24.0	6	98.7	1.13	1.13	0.00	0.94	11.3	10.7	2.28	0.14
23.29	27.5	0.41	1.49	25.5	6	98.7	1.13	1.13	0.00	0.94	10.5	9.9	2.11	0.15
23.46	25.4	0.37	1.46	27.9	6	98.7	1.14	1.14	0.00	0.94	9.7	9.1	1.94	0.17
23.62	27.5	0.37	1.35	29.3	6	98.7	1.15	1.15	0.00	0.93	10.6	9.8	2.11	0.14
23.79	29.7	0.38	1.28	25.2	6	98.7	1.16	1.16	0.00	0.93	11.4	10.6	2.28	0.13
23.95	31.7	0.48	1.52	27.4	6	98.7	1.17	1.17	0.00	0.93	12.1	11.2	2.44	0.15
24.11	33.4	0.49	1.47	20.0	6	98.7	1.17	1.17	0.00	0.92	12.8	11.8	2.58	0.14
24.28	29.4	0.46	1.57	16.6	6	98.7	1.18	1.18	0.00	0.92	11.3	10.4	2.26	0.17
24.44	29.8	0.40	1.35	18.0	6	98.7	1.19	1.19	0.00	0.92	11.4	10.5	2.29	0.14
24.61	28.5	0.40	1.41	20.3	6	98.7	1.20	1.20	0.00	0.91	10.9	10.0	2.18	0.15
24.77	31.0	0.41	1.33	21.5	6	98.7	1.21	1.21	0.00	0.91	11.9	10.8	2.38	0.13
24.93	36.8	0.44	1.20	23.3	7	98.7	1.21	1.21	0.00	0.91	11.7	10.7	UnDef	0.12
25.10	48.8	0.50	1.03	9.1	7	98.7	1.22	1.22	0.00	0.90	15.6	14.1	UnDef	0.12
25.26	50.4	0.71	1.41	4.6	7	98.7	1.23	1.23	0.00	0.90	16.1	14.5	UnDef	0.14
25.43	46.7	0.69	1.48	3.1	7	98.7	1.24	1.24	0.00	0.90	14.9	13.4	UnDef	0.14
25.59	50.0	0.62	1.24	2.5	7	98.7	1.25	1.25	0.00	0.90	15.9	14.3	UnDef	0.13
25.75	59.7	0.46	0.77	0.6	8	101.8	1.26	1.26	0.00	0.89	14.3	12.8	UnDef	0.12
25.92	59.6	0.78	1.31	0.2	7	98.7	1.26	1.26	0.00	0.89	19.0	16.9	UnDef	0.15
26.08	54.3	1.16	2.14	0.3	6	98.7	1.27	1.27	0.00	0.89	20.8	18.4	4.24	0.23
26.25	53.1	1.39	2.62	0.1	6	98.7	1.28	1.28	0.00	0.88	20.4	18.0	4.15	0.33
26.41	48.4	1.25	2.59	0.1	6	98.7	1.29	1.29	0.00	0.88	18.5	16.3	3.77	0.35
26.57	54.7	1.08	1.98	0.4	7	98.7	1.30	1.30	0.00	0.88	17.5	15.3	UnDef	0.21
26.74	56.7	0.92	1.63	0.2	7	98.7	1.30	1.30	0.00	0.88	18.1	15.8	UnDef	0.17
26.90	69.8	0.88	1.26	0.2	7	98.7	1.31	1.31	0.00	0.87	22.3	19.4	UnDef	0.16
27.07	93.4	0.98	1.05	-0.4	8	101.8	1.32	1.32	0.00	0.87	22.4	19.5	UnDef	0.19
27.23	114.7	1.02	0.89	-0.3	8	101.8	1.33	1.33	0.00	0.87	27.5	23.8	UnDef	0.23
[illegible]39	130.1	1.29	0.99	-0.3	8	101.8	1.34	1.34	0.00	0.86	31.2	26.9	UnDef	0.29
[illegible]56	144.3	1.35	0.94	-0.4	9	101.8	1.35	1.35	0.00	0.86	27.6	23.8	UnDef	0.33
[illegible].72	174.0	0.02	0.01	-0.3	9	101.8	1.35	1.35	0.00	0.86	33.3	28.6	UnDef	0.37
27.89	209.1	0.02	0.01	-0.3	10	127.3	1.36	1.36	0.00	0.86	33.4	28.6	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-4968
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-29
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 13:26
CPT File: 315CP29.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	1000.0	0.31	10	12.2	0.0	12.2	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.1
0.33	1.7E-07	0.00	547.9	0.30	10	12.8	0.0	12.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.4
0.49	1.7E-07	0.00	479.7	0.23	10	16.9	0.0	16.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.4
0.66	5.0E-05	0.00	421.2	0.19	10	20.6	0.0	20.6	0.0	48	55.3	10.0	-0.17	0.0	8.2
0.82	5.0E-05	0.00	313.4	0.19	10	20.2	0.0	20.2	0.0	46	50.8	10.0	-0.15	0.0	8.1
0.98	5.0E-05	0.00	266.2	0.18	10	21.3	0.0	21.3	0.0	46	49.3	10.0	-0.13	0.0	8.5
1.15	5.0E-05	0.00	216.2	0.19	10	20.7	0.0	20.7	0.0	46	45.9	10.0	-0.11	0.0	8.3
1.31	5.0E-05	0.00	207.9	0.17	10	23.1	0.0	23.1	0.0	46	46.9	10.0	-0.10	0.0	9.2
48	1.7E-07	0.00	95.6	0.32	9	12.0	0.0	12.0	5.0	UnDef	UnDef	10.0	UnDef	0.0	6.0
.64	1.7E-07	0.00	115.1	0.25	9	15.8	0.0	15.8	3.4	UnDef	UnDef	10.0	UnDef	0.0	7.9
1.80	1.7E-07	0.00	90.1	0.29	9	13.5	0.0	13.5	5.0	UnDef	UnDef	10.0	UnDef	0.0	6.7
1.97	1.7E-07	0.00	68.9	0.35	9	11.1	0.0	11.1	5.0	UnDef	UnDef	10.0	UnDef	0.0	5.6
2.13	1.7E-07	0.00	97.7	0.23	9	16.9	0.0	16.9	4.2	UnDef	UnDef	10.0	UnDef	0.0	8.4
2.30	5.0E-05	0.00	109.6	0.19	9	20.4	0.0	20.4	3.0	42	36.0	10.0	-0.06	0.0	8.2
2.46	5.0E-05	0.00	137.8	0.14	9	27.8	0.0	27.8	1.3	44	43.7	10.0	-0.05	0.0	11.1
2.62	5.0E-04	0.00	204.4	0.26	10	44.3	0.0	44.3	0.6	46	56.0	1.0	-0.14	0.0	14.8
2.79	5.0E-05	0.00	195.3	1.11	9	45.4	2.1	47.5	6.7	44	55.7	10.0	-0.26	0.5	18.7
2.95	5.0E-05	0.00	145.3	1.71	9	36.1	8.0	44.1	11.8	44	48.2	10.0	-0.28	1.8	16.3
3.12	5.0E-05	0.00	118.0	1.12	9	31.2	4.9	36.1	10.1	42	43.1	10.0	-0.21	1.2	13.6
3.28	5.0E-05	0.00	107.4	0.26	9	30.1	0.0	30.1	3.9	42	41.3	10.0	-0.08	0.0	12.0
3.44	5.0E-05	-0.01	92.4	0.14	9	27.4	0.0	27.4	3.6	42	37.8	10.0	-0.02	0.0	10.9
3.61	5.0E-04	0.00	101.6	0.12	9	31.7	0.0	31.7	2.8	42	41.2	1.0	-0.01	0.0	10.6
3.77	5.0E-04	0.00	103.5	0.17	9	33.9	0.0	33.9	3.2	42	42.5	1.0	-0.04	0.0	11.3
3.94	5.0E-05	0.00	106.7	0.48	9	36.6	0.0	36.6	5.0	42	44.0	10.0	-0.13	0.0	14.6
4.10	5.0E-05	0.00	84.8	0.64	9	30.5	3.9	34.4	9.3	42	38.1	10.0	-0.13	0.9	13.1
4.27	5.0E-05	-0.01	70.6	0.37	9	26.5	0.0	26.5	5.0	40	33.5	10.0	-0.07	0.0	10.6
4.43	5.0E-05	-0.01	66.4	0.15	9	26.0	0.0	26.0	5.0	40	32.4	10.0	0.01	0.0	10.4
4.59	5.0E-05	-0.01	57.4	0.17	9	23.5	0.0	23.5	5.0	40	30.0	10.0	0.01	0.0	9.4
4.76	5.0E-05	0.00	58.8	0.16	9	25.0	0.0	25.0	5.0	40	30.1	10.0	0.01	0.0	10.0
4.92	5.0E-05	0.00	55.6	0.16	9	24.5	0.0	24.5	5.0	40	30.0	10.0	0.02	0.0	9.8
5.09	5.0E-05	0.00	56.0	0.23	9	25.6	0.0	25.6	5.0	40	30.0	10.0	-0.01	0.0	10.2
5.25	5.0E-05	0.00	55.2	0.45	9	26.0	0.0	26.0	5.0	40	30.0	10.0	-0.07	0.0	10.4
5.41	5.0E-05	0.00	49.3	0.65	9	24.1	8.2	32.3	14.5	38	30.0	6.0	-0.09	1.8	11.5
5.58	5.0E-05	0.00	47.2	0.66	9	23.9	8.7	32.6	15.0	38	30.0	6.0	-0.08	1.9	11.3
5.74	5.0E-05	0.00	49.1	1.07	7	25.3	13.7	39.0	18.2	38	30.0	6.0	-0.13	2.8	12.7
5.91	5.0E-05	0.00	49.2	0.96	7	25.7	12.6	38.3	17.3	38	30.0	6.0	-0.12	2.6	12.7
6.07	5.0E-05	0.00	48.3	1.03	7	25.6	13.6	39.3	18.0	38	30.0	6.0	-0.12	2.8	12.8
6.23	5.0E-05	0.00	48.0	1.22	7	25.9	16.3	42.2	19.5	38	30.0	6.0	-0.14	3.2	13.4
6.40	5.0E-05	0.00	46.7	1.65	7	25.5	22.8	48.3	22.7	38	30.0	6.0	-0.16	4.2	14.2
56	5.0E-05	0.01	45.5	1.58	7	25.2	22.3	47.5	22.6	38	30.0	6.0	-0.15	4.1	14.0
73	5.0E-05	0.01	35.5	1.25	7	20.1	19.8	39.8	23.6	38	30.0	6.0	-0.11	3.5	11.4
.89	5.0E-05	0.00	32.2	0.77	7	18.5	13.5	32.0	20.8	36	30.0	6.0	-0.06	2.6	9.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4968
CPT File: 315CP29.COR

pth (rt)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	33.3	0.45	7	19.3	0.0	19.3	5.0	36	30.0	6.0	-0.02	0.0	7.6
7.22	5.0E-05	0.00	31.8	1.12	7	18.7	19.4	38.1	24.1	36	30.0	6.0	-0.09	3.4	10.7
7.38	5.0E-05	0.00	39.1	1.18	7	23.1	18.8	41.9	21.8	38	30.0	6.0	-0.11	3.5	12.6
7.55	5.0E-05	0.00	38.7	1.46	7	23.2	23.5	46.7	23.9	38	30.0	6.0	-0.13	4.2	13.2
7.71	5.0E-05	0.00	35.9	1.46	7	21.8	24.7	46.5	24.9	38	30.0	6.0	-0.12	4.2	12.8
7.87	5.0E-05	0.01	35.1	1.46	7	21.6	25.3	46.8	25.2	38	30.0	6.0	-0.12	4.3	12.7
8.04	5.0E-05	0.01	36.6	1.37	7	22.6	23.5	46.1	24.1	38	30.0	6.0	-0.12	4.1	13.0
8.20	5.0E-05	0.01	34.6	1.49	7	21.7	26.7	48.4	25.7	36	30.0	6.0	-0.12	4.5	13.0
8.37	5.0E-05	0.00	37.6	1.35	7	23.7	23.3	47.0	23.5	38	30.0	6.0	-0.12	4.2	13.5
8.53	5.0E-05	0.00	32.8	1.51	7	21.0	28.5	49.5	26.5	36	30.0	6.0	-0.12	4.6	12.9
8.69	5.0E-06	0.00	29.0	1.43	7	18.8	29.3	48.1	27.8	UnDef	UnDef	6.0	UnDef	5.7	14.9
8.86	5.0E-05	0.00	28.6	1.09	7	18.7	22.3	41.1	25.4	36	30.0	6.0	-0.08	3.8	11.1
9.02	5.0E-06	0.00	24.2	1.85	6	16.1	51.6	67.7	33.6	UnDef	UnDef	6.0	UnDef	7.2	15.0
9.19	5.0E-06	0.00	23.9	1.84	6	16.0	52.4	68.4	33.7	UnDef	UnDef	6.0	UnDef	7.2	15.1
9.35	5.0E-06	0.00	25.8	1.59	7	17.4	38.1	55.6	30.7	UnDef	UnDef	6.0	UnDef	6.4	14.9
9.51	5.0E-06	0.00	27.7	2.02	6	18.8	51.2	69.9	32.4	UnDef	UnDef	6.0	UnDef	7.8	16.9
9.68	5.0E-05	0.00	35.4	1.62	7	24.0	31.3	55.3	26.2	38	30.0	6.0	-0.13	5.2	14.5
9.84	5.0E-05	0.00	34.6	1.19	7	23.7	23.0	46.7	23.5	36	30.0	6.0	-0.10	4.1	13.4
10.01	5.0E-04	0.00	41.4	0.46	9	28.5	0.0	28.5	5.0	38	31.3	1.0	-0.04	0.0	9.3
10.17	5.0E-04	0.00	63.1	0.30	9	43.4	0.0	43.4	5.0	40	43.4	1.0	-0.04	0.0	14.2
10.33	5.0E-04	0.00	67.5	0.43	9	46.8	0.0	46.8	5.0	40	45.5	1.0	-0.08	0.0	15.3
10.50	5.0E-04	0.00	73.6	0.47	9	51.4	0.0	51.4	5.0	40	48.2	1.0	-0.09	0.0	16.8
10.66	5.0E-04	0.00	73.3	0.46	9	51.6	0.0	51.6	5.0	40	48.3	1.0	-0.09	0.0	16.8
10.83	5.0E-04	0.00	76.0	0.36	9	53.9	0.0	53.9	5.0	40	49.6	1.0	-0.08	0.0	17.6
10.99	5.0E-04	0.00	74.9	0.39	9	53.6	0.0	53.6	5.0	40	49.4	1.0	-0.08	0.0	17.5
11.15	5.0E-04	0.00	71.8	0.48	9	51.8	0.0	51.8	5.0	40	48.4	1.0	-0.09	0.0	16.9
11.32	5.0E-04	0.00	70.0	0.48	9	50.9	0.0	50.9	5.0	40	47.9	1.0	-0.09	0.0	16.6
11.48	5.0E-03	0.00	81.6	0.45	9	59.6	0.0	59.6	5.0	42	52.5	1.0	-0.10	0.0	14.6
11.65	5.0E-03	0.00	84.5	0.51	9	62.2	5.8	68.0	8.2	42	53.7	1.0	-0.11	0.9	16.1
.81	5.0E-03	0.00	87.0	0.53	9	64.5	5.9	70.4	8.1	42	54.7	1.0	-0.12	0.9	16.7
.97	5.0E-04	0.00	75.8	0.81	9	56.7	12.3	68.9	11.7	40	51.0	1.0	-0.14	2.3	20.8
12.14	5.0E-04	0.00	66.9	1.37	7	50.5	23.3	73.8	16.8	40	47.7	1.0	-0.18	4.1	20.5
12.30	5.0E-05	0.00	55.6	1.57	7	42.4	28.5	70.9	20.1	40	42.7	10.0	-0.17	5.6	22.2
12.47	5.0E-04	0.00	54.8	1.35	7	42.1	24.8	66.9	18.9	40	42.5	1.0	-0.16	4.1	17.9
12.63	5.0E-05	0.00	52.6	1.52	7	40.7	28.5	69.2	20.4	38	41.5	10.0	-0.17	5.5	21.5
12.80	5.0E-05	0.00	45.0	1.86	7	35.2	37.8	73.0	24.4	38	37.3	6.0	-0.17	6.6	20.4
12.96	5.0E-05	0.00	44.4	1.97	7	34.9	40.9	75.9	25.2	38	37.1	6.0	-0.17	7.0	20.6
13.12	5.0E-05	0.00	39.5	1.78	7	31.4	38.7	70.0	25.7	38	34.0	6.0	-0.15	6.5	18.8
13.29	5.0E-04	0.00	48.6	1.17	7	38.6	23.1	61.7	19.0	38	40.0	1.0	-0.13	3.8	16.5
13.45	5.0E-03	0.00	72.9	0.58	9	58.0	8.9	66.9	10.0	40	51.6	1.0	-0.11	1.3	15.5
13.62	5.0E-03	0.00	87.5	0.46	9	69.8	0.0	69.8	5.0	42	57.0	1.0	-0.11	0.0	17.1
13.78	5.0E-03	0.00	98.9	0.45	9	79.3	0.0	79.3	5.0	42	60.6	1.0	-0.12	0.0	19.4
13.94	5.0E-03	0.00	97.5	0.52	9	78.7	4.8	83.6	7.2	42	60.4	1.0	-0.13	0.7	20.0
14.11	5.0E-03	0.00	94.0	0.54	9	76.4	5.6	82.0	7.5	42	59.6	1.0	-0.13	0.8	19.5
14.27	5.0E-03	0.00	86.0	0.60	9	70.4	7.9	78.3	8.8	42	57.2	1.0	-0.13	1.2	18.4
14.44	5.0E-03	0.00	83.8	0.60	9	69.0	8.4	77.4	9.1	42	56.7	1.0	-0.13	1.2	18.1
14.60	5.0E-03	0.00	78.6	0.64	9	65.2	9.8	75.0	9.9	42	55.0	1.0	-0.13	1.4	17.4
14.76	5.0E-03	0.00	77.7	0.62	9	64.9	9.6	74.4	9.8	40	54.9	1.0	-0.12	1.4	17.3
14.93	5.0E-03	0.00	78.1	0.55	9	65.5	8.3	73.8	9.2	42	55.2	1.0	-0.11	1.2	17.2
15.09	5.0E-03	0.00	75.4	0.60	9	63.7	9.7	73.4	9.9	40	54.3	1.0	-0.12	1.4	17.0
15.26	5.0E-03	0.00	78.2	0.58	9	66.4	8.8	75.2	9.4	42	55.5	1.0	-0.12	1.3	17.5
15.42	5.0E-03	0.00	72.7	0.69	9	62.2	11.8	74.0	11.0	40	53.7	1.0	-0.12	1.7	16.9
15.58	5.0E-04	0.00	67.8	0.83	9	58.4	15.4	73.7	12.8	40	51.8	1.0	-0.13	2.9	21.9
15.75	5.0E-03	0.00	68.4	0.73	9	59.1	13.5	72.6	12.0	40	52.2	1.0	-0.12	1.9	16.4
15.91	5.0E-04	0.00	65.7	0.76	9	57.2	14.4	71.5	12.5	40	51.2	1.0	-0.12	2.7	21.3
16.08	5.0E-03	0.00	70.5	0.68	9	61.6	12.2	73.8	11.2	40	53.4	1.0	-0.12	1.7	16.8
16.24	5.0E-03	0.00	73.6	0.78	9	64.6	14.0	78.6	11.7	40	54.8	1.0	-0.14	2.0	17.8
16.40	5.0E-03	0.00	74.3	0.80	9	65.5	14.4	80.0	11.8	40	55.2	1.0	-0.14	2.0	18.1
16.57	5.0E-03	0.00	75.9	0.74	9	67.4	13.0	80.4	11.1	40	55.9	1.0	-0.14	1.9	18.3
16.73	5.0E-03	0.00	71.5	0.69	9	63.8	12.7	76.5	11.2	40	54.4	1.0	-0.12	1.8	17.4
.90	5.0E-03	0.00	68.6	0.64	9	61.6	12.1	73.6	11.1	40	53.4	1.0	-0.11	1.7	16.8
06	5.0E-03	0.00	70.8	0.62	9	63.9	11.3	75.1	10.6	40	54.4	1.0	-0.11	1.6	17.2
.22	5.0E-03	0.00	68.5	0.63	9	62.1	12.0	74.1	11.1	40	53.6	1.0	-0.11	1.7	16.9
7.39	5.0E-03	0.00	66.1	0.72	9	60.3	14.2	74.5	12.2	40	52.8	1.0	-0.12	2.0	16.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-4968
CPT File: 315CP29.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	68.5	0.84	9	62.7	16.6	79.3	12.8	40	53.9	1.0	-0.14	2.3	17.7
17.72	5.0E-04	0.00	63.6	1.34	7	58.6	28.0	86.7	17.1	40	52.0	1.0	-0.17	4.9	24.0
17.88	5.0E-04	0.00	54.9	1.69	7	50.9	37.6	88.5	20.9	40	47.9	1.0	-0.18	6.0	22.6
18.04	5.0E-04	0.00	52.2	1.82	7	48.7	41.8	90.5	22.3	38	46.7	1.0	-0.18	6.5	22.3
18.21	5.0E-05	0.00	49.6	1.97	7	46.5	46.7	93.2	23.8	38	45.3	6.0	-0.19	8.3	26.5
18.37	5.0E-05	0.00	42.9	2.39	7	40.5	63.6	104.1	27.9	38	41.4	6.0	-0.19	9.8	25.7
18.54	5.0E-05	0.00	40.4	2.40	7	38.4	66.9	105.3	28.8	38	39.8	6.0	-0.19	9.9	24.9
18.70	5.0E-05	0.00	45.0	1.89	7	42.9	46.9	89.8	24.6	38	43.0	6.0	-0.17	8.2	24.9
18.86	5.0E-04	0.00	45.0	1.70	7	43.1	41.9	85.0	23.5	38	43.1	1.0	-0.16	6.3	20.3
19.03	5.0E-05	0.00	39.9	1.93	7	38.4	51.4	89.9	26.4	38	39.9	6.0	-0.16	8.4	23.4
19.19	5.0E-05	0.00	41.8	2.01	7	40.4	52.8	93.2	26.2	38	41.3	6.0	-0.17	8.7	24.5
19.36	5.0E-05	0.00	36.5	1.90	7	35.6	53.3	88.9	27.5	38	37.7	6.0	-0.15	8.4	22.3
19.52	5.0E-05	0.00	28.7	1.95	7	28.3	67.4	95.8	31.4	36	31.1	6.0	-0.13	8.7	19.8
19.68	5.0E-04	0.00	31.6	1.29	7	31.2	37.8	69.0	25.5	36	33.9	1.0	-0.10	5.3	15.5
19.85	5.0E-04	0.00	37.7	1.19	7	37.2	31.8	69.0	22.3	38	38.9	1.0	-0.11	4.9	17.1
20.01	5.0E-04	0.00	40.7	1.24	7	40.3	32.3	72.6	21.7	38	41.2	1.0	-0.12	5.1	18.2
20.18	5.0E-04	0.00	41.8	1.49	7	41.5	38.7	80.2	23.1	38	42.1	1.0	-0.14	5.9	19.4
20.34	5.0E-04	0.00	41.6	1.46	7	41.4	38.2	79.6	23.0	38	42.0	1.0	-0.14	5.8	19.3
20.51	5.0E-04	0.00	40.9	1.55	7	40.9	41.1	82.0	23.8	38	41.6	1.0	-0.14	6.1	19.4
20.67	5.0E-04	0.00	40.1	1.29	7	40.3	34.5	74.8	22.3	38	41.2	1.0	-0.12	5.3	18.5
20.83	5.0E-04	0.00	37.0	1.18	7	37.5	32.6	70.1	22.4	38	39.1	1.0	-0.11	5.0	17.2
21.00	5.0E-04	0.00	31.6	1.18	7	32.2	35.6	67.9	24.7	36	34.8	1.0	-0.09	5.1	15.7
21.16	5.0E-04	0.00	30.0	1.20	7	30.8	37.5	68.3	25.6	36	33.5	1.0	-0.09	5.3	15.3
21.33	5.0E-04	0.00	33.3	1.02	7	34.2	30.2	64.4	22.6	36	36.5	1.0	-0.08	4.6	15.8
21.49	5.0E-04	0.00	34.8	1.27	7	35.8	36.9	72.6	24.0	36	37.8	1.0	-0.11	5.4	17.1
21.65	5.0E-04	0.00	32.2	1.39	7	33.3	42.4	75.7	26.0	36	35.8	1.0	-0.11	5.9	16.7
21.82	5.0E-05	0.00	29.8	1.81	7	31.1	61.6	92.7	29.9	36	33.8	6.0	-0.12	8.7	20.8
21.98	5.0E-05	0.00	27.2	1.76	7	28.5	65.3	93.8	31.1	36	31.3	6.0	-0.11	8.6	19.8
22.15	5.0E-05	0.00	26.8	1.84	7	28.2	71.3	99.5	31.8	36	31.0	6.0	-0.11	9.0	20.0
.31	5.0E-05	0.01	24.6	2.06	6	26.1	97.7	123.9	34.5	34	30.0	6.0	-0.11	10.0	20.2
..47	5.0E-05	0.02	25.2	1.82	6	26.8	75.5	102.3	32.6	34	30.0	6.0	-0.10	9.0	19.5
22.64	5.0E-05	0.02	23.5	1.70	6	25.2	75.2	100.3	33.1	34	30.0	6.0	-0.09	8.7	18.5
22.80	5.0E-05	0.03	23.2	1.64	7	24.9	72.3	97.2	32.9	34	30.0	6.0	-0.09	8.5	18.2
22.97	5.0E-05	0.02	25.7	1.32	7	27.7	48.5	76.1	28.9	34	30.4	6.0	-0.08	7.2	18.0
23.13	5.0E-05	0.03	25.3	1.55	7	27.3	60.2	87.5	30.8	34	30.1	6.0	-0.09	8.1	18.8
23.29	5.0E-05	0.03	23.3	1.56	7	25.3	67.1	92.4	32.2	34	30.0	6.0	-0.08	8.2	18.1
23.46	5.0E-05	0.04	21.2	1.53	6	23.2	74.8	98.0	33.6	34	30.0	6.0	-0.07	8.3	17.4
23.62	5.0E-05	0.03	23.0	1.41	7	25.1	59.3	84.5	31.3	34	30.0	6.0	-0.07	7.7	17.5
23.79	5.0E-05	0.03	24.6	1.33	7	27.0	51.7	78.8	29.6	34	30.0	6.0	-0.07	7.4	18.0
23.95	5.0E-05	0.03	26.2	1.58	7	28.7	60.7	89.4	30.4	34	31.5	6.0	-0.09	8.3	19.5
24.11	5.0E-05	0.02	27.5	1.52	7	30.2	55.7	85.9	29.3	36	33.0	6.0	-0.10	8.1	19.9
24.28	5.0E-05	0.02	23.9	1.63	7	26.5	71.4	97.8	32.3	34	30.0	6.0	-0.09	8.7	19.1
24.44	5.0E-05	0.02	24.0	1.40	7	26.7	57.3	84.0	30.5	34	30.0	6.0	-0.08	7.8	18.2
24.61	5.0E-05	0.02	22.7	1.47	7	25.4	65.3	90.7	32.0	34	30.0	6.0	-0.08	8.2	18.1
24.77	5.0E-05	0.02	24.7	1.38	7	27.6	55.1	82.7	30.0	34	30.4	6.0	-0.08	7.7	18.5
24.93	5.0E-04	0.02	29.3	1.24	7	32.7	42.8	75.4	26.2	36	35.2	1.0	-0.09	5.9	16.5
25.10	5.0E-04	0.01	38.9	1.05	7	43.2	31.7	74.8	20.8	38	43.2	1.0	-0.10	5.1	19.2
25.26	5.0E-04	0.00	40.0	1.45	7	44.5	42.9	87.3	23.4	38	44.1	1.0	-0.13	6.4	20.9
25.43	5.0E-04	0.00	36.7	1.52	7	41.1	47.2	88.3	25.0	38	41.8	1.0	-0.13	6.7	20.1
25.59	5.0E-04	0.00	39.1	1.28	7	43.8	38.3	82.1	22.5	38	43.6	1.0	-0.12	5.9	20.2
25.75	5.0E-03	0.00	46.5	0.79	7	52.1	22.9	75.0	16.4	38	48.6	1.0	-0.10	3.0	15.8
25.92	5.0E-04	0.00	46.2	1.34	7	51.9	37.9	89.8	20.8	38	48.5	1.0	-0.14	6.1	23.0
26.08	5.0E-05	0.00	41.7	2.19	7	47.1	69.0	116.1	27.3	38	45.7	6.0	-0.18	10.9	29.4
26.25	5.0E-05	0.00	40.5	2.69	6	46.0	93.7	139.7	30.1	38	45.0	6.0	-0.20	13.0	31.0
26.41	5.0E-05	0.00	36.5	2.66	6	41.7	101.2	142.9	31.5	38	42.2	6.0	-0.19	13.0	29.3
26.57	5.0E-04	0.00	41.2	2.03	7	47.0	63.5	110.5	26.5	38	45.6	1.0	-0.17	8.6	23.9
26.74	5.0E-04	0.00	42.5	1.67	7	48.6	50.0	98.6	24.0	38	46.6	1.0	-0.15	7.4	23.2
26.90	5.0E-04	0.00	52.2	1.29	7	59.6	35.6	95.2	19.0	38	52.4	1.0	-0.15	5.9	25.4
27.07	5.0E-03	0.00	69.7	1.07	9	79.5	26.5	106.0	14.3	40	60.7	1.0	-0.16	3.6	23.1
27.23	5.0E-03	0.00	85.3	0.90	9	97.3	19.7	117.0	11.3	42	66.5	1.0	-0.16	2.8	26.6
27.39	5.0E-03	0.00	96.3	1.00	9	110.1	20.9	131.0	11.0	42	70.0	1.0	-0.18	3.0	29.9
56	5.0E-02	0.00	106.3	0.95	9	121.8	17.9	139.6	9.8	42	72.9	1.0	-0.19	2.1	25.9
..72	5.0E-02	0.00	127.5	0.01	10	146.3	0.0	146.3	3.4	44	78.2	1.0	0.16	0.0	28.6
7.89	5.0E+00	0.00	152.4	0.01	10	175.2	0.0	175.2	3.0	44	83.4	1.0	0.16	0.0	28.6

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5012
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-30
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 13:56
CPT File: 315CP30.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.1	0.03	0.74	0.1	1	74.5	0.01	0.01	0.00	2.00	2.0	3.9	0.33	0.00
0.33	5.0	0.09	1.79	-0.2	4	79.6	0.01	0.01	0.00	2.00	3.2	6.4	0.40	0.00
0.49	6.1	0.16	2.62	-1.4	4	79.6	0.02	0.02	0.00	2.00	3.9	7.8	0.49	0.00
0.66	9.8	0.15	1.54	-0.9	5	85.3	0.03	0.03	0.00	2.00	4.7	9.4	0.78	0.00
0.82	16.7	0.11	0.66	-0.2	6	98.7	0.03	0.03	0.00	2.00	6.4	12.8	1.34	0.08
0.98	18.3	0.08	0.44	-0.1	6	98.7	0.04	0.04	0.00	2.00	7.0	14.0	1.46	0.08
1.15	18.0	0.36	2.01	-0.2	6	98.7	0.05	0.05	0.00	2.00	6.9	13.8	1.43	0.08
.31	14.4	0.47	3.28	-0.2	4	79.6	0.06	0.06	0.00	2.00	9.2	18.4	1.15	0.00
..48	15.4	0.24	1.56	-2.3	6	98.7	0.06	0.06	0.00	2.00	5.9	11.8	1.23	0.08
1.64	12.8	0.21	1.64	-1.2	5	85.3	0.07	0.07	0.00	2.00	6.1	12.3	1.02	0.00
1.80	7.7	0.09	1.17	0.3	5	85.3	0.08	0.08	0.00	2.00	3.7	7.4	0.61	0.00
1.97	9.8	0.02	0.20	0.0	6	98.7	0.09	0.09	0.00	2.00	3.8	7.5	0.78	0.00
2.13	13.9	0.02	0.14	0.0	6	98.7	0.09	0.09	0.00	2.00	5.3	10.6	1.10	0.00
2.30	23.5	0.05	0.21	-0.1	7	98.7	0.10	0.10	0.00	2.00	7.5	15.0	UnDef	0.09
2.46	33.9	0.34	1.00	-0.1	7	98.7	0.11	0.11	0.00	2.00	10.8	21.7	UnDef	0.11
2.62	28.4	0.60	2.12	-0.2	6	98.7	0.12	0.12	0.00	2.00	10.9	21.7	2.26	0.10
2.79	22.9	0.74	3.24	-0.8	5	85.3	0.13	0.13	0.00	2.00	10.9	21.9	1.82	0.00
2.95	23.6	0.78	3.31	-1.1	5	85.3	0.13	0.13	0.00	2.00	11.3	22.6	1.88	0.00
3.12	23.2	0.88	3.81	-0.6	4	79.6	0.14	0.14	0.00	2.00	14.8	29.6	1.84	0.00
3.28	24.6	0.90	3.67	-0.6	4	79.6	0.15	0.15	0.00	2.00	15.7	31.4	1.96	0.00
3.44	26.4	0.83	3.15	-0.7	5	85.3	0.15	0.15	0.00	2.00	12.6	25.3	2.10	0.00
3.61	24.5	0.74	3.03	-1.1	5	85.3	0.16	0.16	0.00	2.00	11.7	23.4	1.94	0.11
3.77	21.8	0.61	2.80	-0.8	5	85.3	0.17	0.17	0.00	2.00	10.5	20.9	1.73	0.10
3.94	17.4	0.54	3.12	-0.9	5	85.3	0.17	0.17	0.00	2.00	8.3	16.6	1.38	0.10
4.10	15.3	0.47	3.07	-0.7	5	85.3	0.18	0.18	0.00	2.00	7.3	14.7	1.21	0.10
4.27	15.7	0.43	2.74	-0.6	5	85.3	0.19	0.19	0.00	2.00	7.5	15.0	1.24	0.09
4.43	14.4	0.38	2.64	-0.6	5	85.3	0.20	0.20	0.00	2.00	6.9	13.8	1.14	0.09
4.59	12.8	0.32	2.51	-0.9	5	85.3	0.20	0.20	0.00	2.00	6.1	12.2	1.01	0.09
4.76	9.8	0.27	2.77	-0.6	4	79.6	0.21	0.21	0.00	2.00	6.2	12.5	0.76	0.09
4.92	9.6	0.28	2.91	-0.5	4	79.6	0.22	0.22	0.00	2.00	6.2	12.3	0.75	0.10
5.09	8.0	0.25	3.11	-0.7	4	79.6	0.22	0.22	0.00	2.00	5.1	10.3	0.63	0.12
5.25	7.9	0.23	2.91	-0.8	4	79.6	0.23	0.23	0.00	2.00	5.1	10.1	0.61	0.11
5.41	8.9	0.25	2.82	-0.7	4	79.6	0.23	0.23	0.00	2.00	5.7	11.3	0.69	0.10
5.58	13.0	0.30	2.31	-0.6	5	85.3	0.24	0.24	0.00	2.00	6.2	12.5	1.02	0.09
5.74	15.1	0.43	2.85	0.6	5	85.3	0.25	0.25	0.00	2.00	7.2	14.5	1.19	0.11
5.91	16.8	0.49	2.92	3.9	5	85.3	0.26	0.26	0.00	1.98	8.1	15.9	1.33	0.11
6.07	17.4	0.48	2.76	7.8	5	85.3	0.26	0.26	0.00	1.95	8.3	16.3	1.37	0.11
6.23	16.5	0.46	2.80	10.9	5	85.3	0.27	0.27	0.00	1.93	7.9	15.2	1.30	0.11
<.40	15.9	0.44	2.78	11.1	5	85.3	0.28	0.28	0.00	1.90	7.6	14.5	1.25	0.11
56	18.1	0.47	2.60	15.4	5	85.3	0.28	0.28	0.00	1.88	8.7	16.3	1.43	0.11
.73	18.2	0.48	2.64	12.1	5	85.3	0.29	0.29	0.00	1.85	8.7	16.2	1.43	0.11
6.89	19.0	0.48	2.54	13.7	5	85.3	0.30	0.30	0.00	1.83	9.1	16.7	1.49	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5012
CPT File: 315CP30.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	18.4	0.48	2.61	16.9	5	85.3	0.30	0.30	0.00	1.81	8.8	16.0	1.45	0.11
7.22	18.7	0.46	2.46	19.9	5	85.3	0.31	0.31	0.00	1.79	9.0	16.1	1.47	0.11
7.38	17.6	0.44	2.51	21.8	5	85.3	0.32	0.32	0.00	1.77	8.4	14.9	1.38	0.11
7.55	17.2	0.44	2.56	21.3	5	85.3	0.33	0.33	0.00	1.75	8.2	14.5	1.35	0.11
7.71	17.4	0.42	2.42	13.1	5	85.3	0.33	0.33	0.00	1.73	8.3	14.5	1.37	0.11
7.87	15.6	0.44	2.83	15.9	5	85.3	0.34	0.34	0.00	1.72	7.5	12.8	1.22	0.12
8.04	16.4	0.44	2.68	17.2	5	85.3	0.35	0.35	0.00	1.70	7.9	13.4	1.29	0.12
8.20	17.3	0.43	2.50	19.4	5	85.3	0.35	0.35	0.00	1.68	8.3	13.9	1.35	0.11
8.37	18.8	0.41	2.19	19.6	6	98.7	0.36	0.36	0.00	1.66	7.2	12.0	1.48	0.11
8.53	20.6	0.35	1.70	2.8	6	98.7	0.37	0.37	0.00	1.65	7.9	13.0	1.62	0.10
8.69	26.7	0.29	1.09	-1.7	6	98.7	0.38	0.38	0.00	1.63	10.2	16.6	2.11	0.10
8.86	27.6	0.35	1.27	-1.3	6	98.7	0.39	0.39	0.00	1.61	10.6	17.0	2.18	0.10
9.02	26.5	0.38	1.44	-1.6	6	98.7	0.39	0.39	0.00	1.59	10.2	16.2	2.09	0.10
9.19	27.2	0.36	1.33	-1.6	6	98.7	0.40	0.40	0.00	1.58	10.4	16.4	2.14	0.10
9.35	29.0	0.27	0.93	-1.6	7	98.7	0.41	0.41	0.00	1.56	9.3	14.5	UnDef	0.10
9.51	33.2	0.20	0.60	-1.6	7	98.7	0.42	0.42	0.00	1.55	10.6	16.4	UnDef	0.10
9.68	38.1	0.29	0.76	-1.5	7	98.7	0.43	0.43	0.00	1.53	12.2	18.6	UnDef	0.11
9.84	38.4	0.33	0.86	-1.1	7	98.7	0.43	0.43	0.00	1.52	12.3	18.6	UnDef	0.11
10.01	38.3	0.34	0.89	-1.6	7	98.7	0.44	0.44	0.00	1.50	12.2	18.4	UnDef	0.11
10.17	38.9	0.29	0.75	-1.5	7	98.7	0.45	0.45	0.00	1.49	12.4	18.5	UnDef	0.11
10.33	36.5	0.28	0.77	-1.4	7	98.7	0.46	0.46	0.00	1.48	11.7	17.2	UnDef	0.10
10.50	34.9	0.29	0.83	-1.6	7	98.7	0.47	0.47	0.00	1.46	11.2	16.3	UnDef	0.10
10.66	33.8	0.29	0.86	-1.5	7	98.7	0.47	0.47	0.00	1.45	10.8	15.7	UnDef	0.10
10.83	29.1	0.33	1.14	-1.4	7	98.7	0.48	0.48	0.00	1.44	9.3	13.4	UnDef	0.10
10.99	25.7	0.42	1.64	-1.5	6	98.7	0.49	0.49	0.00	1.43	9.8	14.0	2.01	0.10
11.15	22.5	0.50	2.22	-1.6	6	98.7	0.50	0.50	0.00	1.42	8.6	12.2	1.76	0.12
11.32	24.6	0.52	2.12	-0.9	6	98.7	0.51	0.51	0.00	1.40	9.4	13.2	1.93	0.12
11.48	28.2	0.48	1.70	-1.6	6	98.7	0.51	0.51	0.00	1.39	10.8	15.1	2.22	0.11
11.65	33.2	0.48	1.45	-1.3	6	98.7	0.52	0.52	0.00	1.38	12.7	17.6	2.62	0.11
.81	42.0	0.39	0.93	-1.3	7	98.7	0.53	0.53	0.00	1.37	13.4	18.4	UnDef	0.11
..97	37.4	0.36	0.96	-1.4	7	98.7	0.54	0.54	0.00	1.36	11.9	16.3	UnDef	0.11
12.14	35.6	0.38	1.07	-1.4	7	98.7	0.55	0.55	0.00	1.35	11.4	15.4	UnDef	0.11
12.30	31.5	0.53	1.69	-1.5	6	98.7	0.56	0.56	0.00	1.34	12.1	16.2	2.47	0.11
12.47	28.3	0.64	2.27	-1.0	6	98.7	0.56	0.56	0.00	1.33	10.8	14.4	2.22	0.13
12.63	29.8	0.73	2.46	-1.2	6	98.7	0.57	0.57	0.00	1.32	11.4	15.1	2.34	0.14
12.80	26.6	0.71	2.68	2.7	5	85.3	0.58	0.58	0.00	1.31	12.7	16.7	2.08	0.16
12.96	25.8	0.72	2.79	7.5	5	85.3	0.59	0.59	0.00	1.31	12.4	16.2	2.02	0.17
13.12	26.7	0.57	2.14	14.2	6	98.7	0.59	0.59	0.00	1.30	10.2	13.3	2.09	0.13
13.29	36.0	0.52	1.45	17.7	7	98.7	0.60	0.60	0.00	1.29	11.5	14.8	UnDef	0.11
13.45	45.1	0.47	1.04	-1.7	7	98.7	0.61	0.61	0.00	1.28	14.4	18.4	UnDef	0.12
13.62	47.9	0.45	0.94	-1.2	7	98.7	0.62	0.62	0.00	1.27	15.3	19.5	UnDef	0.12
13.78	49.7	0.55	1.11	-1.1	7	98.7	0.63	0.63	0.00	1.26	15.9	20.1	UnDef	0.13
13.94	50.1	0.58	1.16	-1.2	7	98.7	0.63	0.63	0.00	1.26	16.0	20.1	UnDef	0.13
14.11	50.8	0.65	1.28	-1.2	7	98.7	0.64	0.64	0.00	1.25	16.2	20.3	UnDef	0.14
14.27	46.6	0.68	1.46	-1.2	7	98.7	0.65	0.65	0.00	1.24	14.9	18.5	UnDef	0.13
14.44	43.2	0.80	1.85	-1.6	7	98.7	0.66	0.66	0.00	1.23	13.8	17.0	UnDef	0.14
14.60	44.1	0.75	1.70	-0.9	7	98.7	0.67	0.67	0.00	1.23	14.1	17.3	UnDef	0.14
14.76	45.0	0.64	1.43	-1.2	7	98.7	0.67	0.67	0.00	1.22	14.4	17.5	UnDef	0.13
14.93	47.4	0.44	0.93	-1.0	7	98.7	0.68	0.68	0.00	1.21	15.1	18.3	UnDef	0.12
15.09	50.0	0.44	0.88	-1.0	7	98.7	0.69	0.69	0.00	1.20	16.0	19.2	UnDef	0.12
15.26	47.9	0.39	0.82	-1.0	7	98.7	0.70	0.70	0.00	1.20	15.3	18.3	UnDef	0.11
15.42	45.7	0.46	1.01	-1.0	7	98.7	0.71	0.71	0.00	1.19	14.6	17.3	UnDef	0.12
15.58	43.9	0.60	1.37	-1.0	7	98.7	0.72	0.72	0.00	1.18	14.0	16.6	UnDef	0.12
15.75	44.0	0.67	1.53	-1.3	7	98.7	0.72	0.72	0.00	1.18	14.0	16.5	UnDef	0.13
15.91	47.0	0.58	1.24	-2.3	7	98.7	0.73	0.73	0.00	1.17	15.0	17.5	UnDef	0.12
16.08	48.9	0.48	0.98	-0.9	7	98.7	0.74	0.74	0.00	1.16	15.6	18.2	UnDef	0.12
16.24	49.4	0.47	0.95	-0.9	7	98.7	0.75	0.75	0.00	1.16	15.8	18.2	UnDef	0.12
16.40	43.9	0.64	1.46	-0.8	7	98.7	0.76	0.76	0.00	1.15	14.0	16.1	UnDef	0.13
16.57	39.0	0.89	2.29	-0.7	6	98.7	0.76	0.76	0.00	1.14	15.0	17.1	3.06	0.16
16.73	33.9	0.92	2.72	0.5	6	98.7	0.77	0.77	0.00	1.14	13.0	14.8	2.65	0.21
16.90	29.3	0.88	3.01	3.8	5	85.3	0.78	0.78	0.00	1.13	14.0	15.9	2.28	0.31
06	27.2	0.70	2.58	5.7	6	98.7	0.79	0.79	0.00	1.13	10.4	11.7	2.11	0.23
..22	28.1	0.67	2.39	8.7	6	98.7	0.79	0.79	0.00	1.12	10.8	12.1	2.18	0.19
7.39	32.0	0.66	2.07	9.0	6	98.7	0.80	0.80	0.00	1.12	12.3	13.7	2.49	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5012
CPT File: 315CP30.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
17.55	28.3	0.68	2.41	8.4	6	98.7	0.81	0.81	0.00	1.11	10.8	12.0	2.20	0.20
17.72	26.6	0.63	2.38	11.8	6	98.7	0.82	0.82	0.00	1.10	10.2	11.2	2.06	0.21
17.88	29.0	0.62	2.14	15.1	6	98.7	0.83	0.83	0.00	1.10	11.1	12.2	2.25	0.16
18.04	29.9	0.59	1.98	16.9	6	98.7	0.84	0.84	0.00	1.09	11.5	12.5	2.33	0.15
18.21	25.7	0.53	2.07	20.2	6	98.7	0.84	0.84	0.00	1.09	9.8	10.7	1.99	0.17
18.37	25.2	0.50	1.99	24.2	6	98.7	0.85	0.85	0.00	1.08	9.6	10.4	1.94	0.16
18.54	28.4	0.52	1.83	26.0	6	98.7	0.86	0.86	0.00	1.08	10.9	11.7	2.20	0.14
18.70	31.9	0.54	1.70	10.3	6	98.7	0.87	0.87	0.00	1.07	12.2	13.1	2.48	0.13
18.86	34.1	0.58	1.71	3.1	6	98.7	0.88	0.88	0.00	1.07	13.0	13.9	2.66	0.13
19.03	35.4	0.58	1.64	-0.3	6	98.7	0.88	0.88	0.00	1.06	13.6	14.4	2.76	0.13
19.19	37.0	0.70	1.89	-2.2	6	98.7	0.89	0.89	0.00	1.06	14.2	15.0	2.89	0.15
19.36	36.3	0.74	2.04	-0.2	6	98.7	0.90	0.90	0.00	1.05	13.9	14.7	2.83	0.16
19.52	35.8	0.70	1.96	-0.4	6	98.7	0.91	0.91	0.00	1.05	13.7	14.4	2.79	0.15
19.68	35.6	0.61	1.72	-2.4	6	98.7	0.92	0.92	0.00	1.04	13.7	14.3	2.78	0.13
19.85	36.0	0.53	1.48	-0.6	7	98.7	0.92	0.92	0.00	1.04	11.5	11.9	UnDef	0.12
20.01	35.8	0.50	1.40	-0.4	7	98.7	0.93	0.93	0.00	1.04	11.4	11.8	UnDef	0.12
20.18	33.7	0.56	1.67	-0.4	6	98.7	0.94	0.94	0.00	1.03	12.9	13.3	2.62	0.13
20.34	30.1	0.55	1.83	-0.7	6	98.7	0.95	0.95	0.00	1.03	11.5	11.9	2.34	0.15
20.51	27.9	0.61	2.19	1.1	6	98.7	0.96	0.96	0.00	1.02	10.7	10.9	2.16	0.23
20.67	29.2	0.63	2.16	1.3	6	98.7	0.96	0.96	0.00	1.02	11.2	11.4	2.26	0.21
20.83	28.8	0.63	2.19	5.5	6	98.7	0.97	0.97	0.00	1.01	11.0	11.2	2.22	0.23
21.00	23.6	0.56	2.37	13.4	6	98.7	0.98	0.98	0.00	1.01	9.1	9.1	1.81	0.23
21.16	21.2	0.46	2.18	20.8	6	98.7	0.99	0.99	0.00	1.01	8.1	8.2	1.62	0.19
21.33	20.5	0.40	1.96	28.0	6	98.7	1.00	1.00	0.00	1.00	7.8	7.8	1.56	0.17
21.49	22.1	0.42	1.91	34.9	6	98.7	1.01	1.01	0.00	1.00	8.5	8.4	1.69	0.20
21.65	22.9	0.42	1.84	39.4	6	98.7	1.01	1.01	0.00	0.99	8.8	8.7	1.75	0.21
21.82	25.4	0.46	1.82	43.1	6	98.7	1.02	1.02	0.00	0.99	9.7	9.6	1.95	0.20
21.98	20.7	0.43	2.08	39.7	6	98.7	1.03	1.03	0.00	0.99	7.9	7.8	1.57	0.17
22.15	19.8	0.49	2.49	44.9	5	85.3	1.04	1.04	0.00	0.98	9.5	9.3	1.50	0.16
.31	24.5	0.56	2.29	42.4	6	98.7	1.04	1.04	0.00	0.98	9.4	9.2	1.87	0.23
.47	27.8	0.57	2.05	24.3	6	98.7	1.05	1.05	0.00	0.97	10.7	10.4	2.14	0.26
22.64	29.6	0.60	2.03	32.8	6	98.7	1.06	1.06	0.00	0.97	11.3	11.0	2.28	0.22
22.80	28.4	0.55	1.94	17.5	6	98.7	1.07	1.07	0.00	0.97	10.9	10.5	2.19	0.22
22.97	26.2	0.50	1.91	13.6	6	98.7	1.08	1.08	0.00	0.96	10.0	9.7	2.01	0.26
23.13	25.6	0.51	2.00	17.3	6	98.7	1.09	1.09	0.00	0.96	9.8	9.4	1.96	0.24
23.29	28.3	0.52	1.84	19.3	6	98.7	1.09	1.09	0.00	0.96	10.9	10.4	2.18	0.21
23.46	28.8	0.54	1.88	22.5	6	98.7	1.10	1.10	0.00	0.95	11.0	10.5	2.21	0.21
23.62	37.0	0.54	1.46	15.1	7	98.7	1.11	1.11	0.00	0.95	11.8	11.2	UnDef	0.13
23.79	42.9	0.58	1.35	0.4	7	98.7	1.12	1.12	0.00	0.95	13.7	13.0	UnDef	0.13
23.95	43.2	0.87	2.02	-0.7	6	98.7	1.13	1.13	0.00	0.94	16.6	15.6	3.37	0.19
24.11	45.8	0.98	2.14	0.1	6	98.7	1.13	1.13	0.00	0.94	17.5	16.5	3.57	0.20
24.28	62.6	1.00	1.60	2.7	7	98.7	1.14	1.14	0.00	0.94	20.0	18.7	UnDef	0.17
24.44	67.2	0.94	1.40	-0.4	7	98.7	1.15	1.15	0.00	0.93	21.5	20.0	UnDef	0.17
24.61	59.0	0.98	1.66	-0.6	7	98.7	1.16	1.16	0.00	0.93	18.8	17.5	UnDef	0.17
24.77	44.6	1.16	2.61	-0.4	6	98.7	1.17	1.17	0.00	0.93	17.1	15.8	3.47	0.31
24.93	45.7	1.20	2.63	-0.4	6	98.7	1.17	1.17	0.00	0.92	17.5	16.2	3.57	0.32
25.10	53.2	0.95	1.79	-0.2	7	98.7	1.18	1.18	0.00	0.92	17.0	15.6	UnDef	0.17
25.26	64.6	0.92	1.43	-0.5	7	98.7	1.19	1.19	0.00	0.92	20.6	18.9	UnDef	0.16
25.43	80.9	0.92	1.14	-0.8	8	101.8	1.20	1.20	0.00	0.91	19.4	17.7	UnDef	0.17
25.59	110.6	1.27	1.15	-0.7	8	101.8	1.21	1.21	0.00	0.91	26.5	24.1	UnDef	0.25
25.75	140.7	1.48	1.05	-0.5	8	101.8	1.22	1.22	0.00	0.91	33.7	30.6	UnDef	0.36
25.92	190.0	0.02	0.01	-0.4	10	127.3	1.22	1.22	0.00	0.90	30.3	27.4	UnDef	0.00
26.08	203.6	0.02	0.01	-0.4	10	127.3	1.24	1.24	0.00	0.90	32.5	29.2	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5012
'ob No: 99-315
:ent: Stone & Webster Engineering
.oject: Private Fuel Storage Faclity
Site: CPT-30
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 13:56
CPT File: 315CP30.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	668.6	0.74	10	7.8	0.0	7.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	3.9
0.33	5.0E-07	0.00	404.7	1.79	9	9.7	0.3	10.0	6.3	UnDef	UnDef	10.0	UnDef	0.1	6.6
0.49	5.0E-07	-0.01	322.4	2.63	12	11.7	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.66	5.0E-06	0.00	378.9	1.54	9	18.7	0.3	19.0	5.5	UnDef	UnDef	10.0	UnDef	0.1	9.4
0.82	5.0E-05	0.00	502.3	0.66	10	32.1	0.0	32.1	0.3	48	64.2	10.0	-0.30	0.0	12.8
0.98	5.0E-05	0.00	442.4	0.44	10	35.1	0.0	35.1	0.0	48	63.7	10.0	-0.25	0.0	14.0
1.15	5.0E-05	0.00	362.1	2.02	9	34.4	2.6	37.0	7.6	48	60.5	10.0	-0.40	0.6	14.4
1.31	5.0E-07	0.00	252.3	3.29	12	27.5	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
48	5.0E-05	0.00	240.1	1.56	9	29.6	2.4	32.0	7.8	46	52.5	10.0	-0.32	0.6	12.4
.64	5.0E-06	0.00	178.3	1.65	9	24.6	3.8	28.4	10.0	UnDef	UnDef	10.0	UnDef	1.1	13.4
1.80	5.0E-06	0.00	97.3	1.18	9	14.8	3.4	18.2	12.0	UnDef	UnDef	10.0	UnDef	1.0	8.4
1.97	5.0E-05	0.00	113.2	0.21	9	18.8	0.0	18.8	3.0	42	35.3	10.0	-0.06	0.0	7.5
2.13	5.0E-05	0.00	146.1	0.15	9	26.6	0.0	26.6	1.1	44	43.9	10.0	-0.06	0.0	10.6
2.30	5.0E-04	0.00	228.7	0.21	10	45.0	0.0	45.0	0.0	46	57.8	1.0	-0.13	0.0	15.0
2.46	5.0E-04	0.00	306.2	1.01	9	65.0	0.0	65.0	3.9	46	67.2	1.0	-0.29	0.0	21.7
2.62	5.0E-05	0.00	238.3	2.13	9	54.3	8.9	63.2	10.3	46	61.1	10.0	-0.37	2.1	23.8
2.79	5.0E-06	0.00	180.4	3.26	12	43.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.95	5.0E-06	0.00	176.6	3.33	12	45.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.12	5.0E-07	0.00	164.8	3.83	12	44.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.28	5.0E-07	0.00	167.0	3.69	12	47.1	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.44	5.0E-06	0.00	171.3	3.17	12	50.5	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.61	5.0E-06	0.00	151.8	3.05	7	46.9	21.9	68.8	16.9	UnDef	UnDef	10.0	UnDef	5.8	29.3
3.77	5.0E-06	0.00	129.7	2.82	7	41.8	20.8	62.6	17.4	UnDef	UnDef	10.0	UnDef	5.5	26.4
3.94	5.0E-06	0.00	98.8	3.15	7	33.3	25.4	58.7	21.2	UnDef	UnDef	10.0	UnDef	6.2	22.8
4.10	5.0E-06	0.00	83.6	3.11	7	29.4	26.7	56.0	22.8	UnDef	UnDef	10.0	UnDef	6.2	20.9
4.27	5.0E-06	0.00	82.6	2.78	7	30.1	24.1	54.2	21.6	UnDef	UnDef	10.0	UnDef	5.8	20.8
4.43	5.0E-06	0.00	73.0	2.68	7	27.6	24.4	52.1	22.6	UnDef	UnDef	10.0	UnDef	5.7	19.6
4.59	5.0E-06	0.00	62.2	2.55	7	24.5	24.8	49.3	23.9	UnDef	UnDef	10.0	UnDef	5.6	17.9
4.76	5.0E-07	0.00	45.8	2.83	6	18.7	33.7	52.4	29.1	UnDef	UnDef	6.0	UnDef	8.4	20.9
4.92	5.0E-07	0.00	43.8	2.98	6	18.5	38.7	57.2	30.4	UnDef	UnDef	6.0	UnDef	9.0	21.4
5.09	5.0E-07	0.00	35.3	3.20	6	15.4	57.7	73.1	34.6	UnDef	UnDef	6.0	UnDef	10.0	20.3
5.25	5.0E-07	0.00	33.7	3.00	6	15.2	55.1	70.3	34.4	UnDef	UnDef	6.0	UnDef	9.7	19.8
5.41	5.0E-07	0.00	36.8	2.90	6	17.0	47.3	64.3	32.5	UnDef	UnDef	6.0	UnDef	9.7	21.0
5.58	5.0E-06	0.00	52.9	2.35	7	25.0	28.4	53.3	24.9	UnDef	UnDef	10.0	UnDef	6.2	18.7
5.74	5.0E-06	0.00	59.9	2.89	7	29.0	36.4	65.4	25.8	UnDef	UnDef	10.0	UnDef	7.7	22.2
5.91	5.0E-06	0.01	64.8	2.97	7	32.2	37.6	69.9	25.2	UnDef	UnDef	10.0	UnDef	8.1	24.0
6.07	5.0E-06	0.01	65.3	2.81	7	33.2	35.8	69.0	24.4	UnDef	UnDef	10.0	UnDef	7.8	24.1
6.23	5.0E-06	0.02	60.1	2.85	7	31.0	37.9	69.0	25.6	UnDef	UnDef	10.0	UnDef	8.0	23.2
6.40	5.0E-06	0.02	56.4	2.82	7	29.6	38.9	68.5	26.3	UnDef	UnDef	10.0	UnDef	8.0	22.4
‹.56	5.0E-06	0.03	63.0	2.64	7	33.3	34.7	68.1	24.1	UnDef	UnDef	10.0	UnDef	7.6	24.0
73	5.0E-06	0.02	61.6	2.69	7	33.0	36.2	69.3	24.6	UnDef	UnDef	10.0	UnDef	7.9	24.0
..89	5.0E-06	0.02	62.7	2.58	7	34.0	34.6	68.6	23.9	UnDef	UnDef	10.0	UnDef	7.7	24.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5012
CPT File: 315CP30.COR

pth .t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.03	59.4	2.66	7	32.6	37.0	69.7	24.9	UnDef	UnDef	10.0	UnDef	8.0	23.9
7.22	5.0E-06	0.03	59.2	2.50	7	32.9	34.7	67.6	24.2	UnDef	UnDef	10.0	UnDef	7.6	23.7
7.38	5.0E-06	0.04	54.2	2.55	7	30.5	37.1	67.7	25.6	UnDef	UnDef	10.0	UnDef	7.8	22.7
7.55	5.0E-06	0.04	51.9	2.61	7	29.5	39.4	68.9	26.4	UnDef	UnDef	10.0	UnDef	8.0	22.5
7.71	5.0E-06	0.02	51.4	2.46	7	29.6	37.0	66.6	25.8	UnDef	UnDef	10.0	UnDef	7.7	22.2
7.87	5.0E-06	0.03	44.9	2.89	6	26.2	50.2	76.4	29.6	UnDef	UnDef	6.0	UnDef	8.9	21.8
8.04	5.0E-06	0.03	46.4	2.74	7	27.3	46.0	73.3	28.5	UnDef	UnDef	6.0	UnDef	8.6	22.0
8.20	5.0E-06	0.04	47.8	2.55	7	28.4	41.2	69.7	27.2	UnDef	UnDef	6.0	UnDef	8.2	22.1
8.37	5.0E-05	0.03	51.1	2.23	7	30.6	34.2	64.8	24.8	38	33.4	10.0	-0.20	5.9	17.9
8.53	5.0E-05	0.00	54.9	1.73	7	33.2	25.3	58.5	21.2	40	35.7	10.0	-0.18	4.8	17.8
8.69	5.0E-05	0.00	69.7	1.10	9	42.5	14.7	57.2	14.6	40	42.8	10.0	-0.16	3.2	19.8
8.86	5.0E-05	0.00	70.6	1.29	7	43.5	17.5	61.0	15.7	40	43.4	10.0	-0.18	3.7	20.7
9.02	5.0E-05	0.00	66.4	1.46	7	41.3	20.5	61.9	17.4	40	42.0	10.0	-0.18	4.2	20.4
9.19	5.0E-05	0.00	66.7	1.35	7	42.0	19.0	61.0	16.7	40	42.4	10.0	-0.18	4.0	20.4
9.35	5.0E-04	0.00	69.8	0.95	9	44.3	12.9	57.3	13.5	40	44.0	1.0	-0.15	2.4	16.8
9.51	5.0E-04	0.00	78.5	0.61	9	50.3	7.2	57.4	9.7	42	47.6	1.0	-0.12	1.4	17.8
9.68	5.0E-04	0.00	88.4	0.77	9	57.1	8.8	65.9	10.0	42	51.2	1.0	-0.15	1.7	20.3
9.84	5.0E-04	0.00	87.6	0.87	9	57.1	10.5	67.6	10.8	42	51.2	1.0	-0.16	2.0	20.6
10.01	5.0E-04	0.00	85.5	0.90	9	56.3	11.3	67.6	11.3	42	50.8	1.0	-0.16	2.1	20.5
10.17	5.0E-04	0.00	85.4	0.76	9	56.7	9.1	65.8	10.2	42	51.0	1.0	-0.15	1.7	20.3
10.33	5.0E-04	0.00	78.7	0.78	9	52.8	10.2	63.0	11.0	42	49.0	1.0	-0.14	1.9	19.2
10.50	5.0E-04	0.00	73.9	0.84	9	50.1	11.8	61.8	12.1	40	47.4	1.0	-0.14	2.2	18.5
10.66	5.0E-04	0.00	70.2	0.87	9	48.0	12.7	60.7	12.8	40	46.2	1.0	-0.14	2.4	18.0
10.83	5.0E-04	0.00	59.4	1.15	7	41.0	18.5	59.5	16.6	40	41.7	1.0	-0.15	3.2	16.6
10.99	5.0E-05	0.00	51.3	1.67	7	35.9	28.7	64.5	21.6	38	37.9	10.0	-0.17	5.4	19.4
11.15	5.0E-05	0.00	44.2	2.27	7	31.2	43.9	75.1	26.9	38	33.9	6.0	-0.19	7.0	19.3
11.32	5.0E-05	0.00	47.5	2.16	7	33.8	40.2	74.0	25.4	38	36.2	6.0	-0.19	6.8	20.0
11.48	5.0E-05	0.00	53.8	1.74	7	38.5	30.1	68.6	21.4	40	39.9	10.0	-0.18	5.7	20.8
11.65	5.0E-05	0.00	62.5	1.47	7	44.9	24.3	69.3	18.2	40	44.4	10.0	-0.18	5.0	22.5
.81	5.0E-04	0.00	78.0	0.94	9	56.4	13.9	70.2	12.4	42	50.8	1.0	-0.16	2.6	21.0
..97	5.0E-04	0.00	68.4	0.98	9	49.9	15.5	65.4	13.9	40	47.3	1.0	-0.15	2.8	19.1
12.14	5.0E-04	0.00	64.1	1.09	7	47.1	17.9	65.1	15.3	40	45.7	1.0	-0.15	3.2	18.6
12.30	5.0E-05	0.00	55.7	1.72	7	41.3	30.6	71.9	20.9	40	42.0	10.0	-0.18	5.9	22.1
12.47	5.0E-05	0.00	49.2	2.31	7	36.9	45.4	82.3	25.7	38	38.7	6.0	-0.21	7.6	22.0
12.63	5.0E-05	0.00	51.1	2.51	7	38.5	49.8	88.3	26.1	38	39.9	10.0	-0.22	8.2	23.3
12.80	5.0E-06	0.00	44.9	2.74	7	34.2	60.4	94.6	28.9	UnDef	UnDef	6.0	UnDef	11.1	27.9
12.96	5.0E-06	0.01	43.1	2.86	6	33.0	66.7	99.7	30.0	UnDef	UnDef	6.0	UnDef	11.6	27.8
13.12	5.0E-05	0.02	44.0	2.19	7	33.9	45.7	79.7	26.5	38	36.3	6.0	-0.18	7.4	20.7
13.29	5.0E-04	0.02	58.8	1.47	7	45.4	26.6	72.0	18.8	40	44.6	1.0	-0.17	4.5	19.3
13.45	5.0E-04	0.00	72.9	1.06	9	56.5	17.5	74.0	13.9	40	50.9	1.0	-0.16	3.2	21.6
13.62	5.0E-04	0.00	76.5	0.95	9	59.6	15.3	74.9	12.6	40	52.5	1.0	-0.16	2.8	22.3
13.78	5.0E-04	0.00	78.4	1.12	9	61.5	18.4	79.8	13.6	42	53.3	1.0	-0.18	3.4	23.4
13.94	5.0E-04	0.00	78.1	1.17	9	61.6	19.5	81.1	14.0	42	53.4	1.0	-0.18	3.6	23.7
14.11	5.0E-04	0.00	78.2	1.30	7	62.1	21.9	84.0	14.8	42	53.6	1.0	-0.19	4.0	24.2
14.27	5.0E-04	0.00	70.7	1.48	7	56.6	26.4	83.0	16.9	40	51.0	1.0	-0.19	4.6	23.0
14.44	5.0E-04	0.00	64.7	1.88	7	52.1	35.4	87.5	20.1	40	48.6	1.0	-0.21	5.8	22.8
14.60	5.0E-04	0.00	65.2	1.73	7	52.9	32.3	85.2	19.2	40	49.0	1.0	-0.20	5.4	22.6
14.76	5.0E-04	0.00	65.7	1.45	7	53.6	26.8	80.3	17.5	40	49.4	1.0	-0.18	4.6	22.1
14.93	5.0E-04	0.00	68.4	0.94	9	56.1	16.8	73.0	13.6	40	50.7	1.0	-0.15	3.1	21.4
15.09	5.0E-04	0.00	71.4	0.89	9	58.9	15.6	74.5	12.8	40	52.1	1.0	-0.15	2.9	22.1
15.26	5.0E-04	0.00	67.5	0.83	9	56.1	14.9	71.0	12.9	40	50.7	1.0	-0.13	2.8	21.1
15.42	5.0E-04	0.00	63.6	1.03	9	53.1	19.3	72.4	15.0	40	49.2	1.0	-0.15	3.5	20.8
15.58	5.0E-04	0.00	60.4	1.39	7	50.8	27.1	77.9	18.0	40	47.9	1.0	-0.17	4.6	21.2
15.75	5.0E-04	0.00	59.9	1.55	7	50.6	30.6	81.3	19.1	40	47.8	1.0	-0.18	5.1	21.6
15.91	5.0E-04	0.00	63.3	1.26	7	53.8	24.3	78.1	16.6	40	49.5	1.0	-0.17	4.2	21.8
16.08	5.0E-04	0.00	65.2	1.00	9	55.7	19.0	74.7	14.5	40	50.5	1.0	-0.15	3.4	21.6
16.24	5.0E-04	0.00	65.1	0.97	9	55.9	18.5	74.4	14.3	40	50.6	1.0	-0.14	3.4	21.6
16.40	5.0E-04	0.00	57.1	1.49	7	49.4	30.4	79.8	19.3	40	47.1	1.0	-0.17	5.0	21.2
16.57	5.0E-05	0.00	50.1	2.33	7	43.7	52.9	96.6	25.5	38	43.6	10.0	-0.21	8.9	26.0
16.73	5.0E-05	0.00	43.0	2.78	6	37.8	73.6	111.4	29.7	38	39.4	6.0	-0.22	10.4	25.2
16.90	5.0E-06	0.00	36.6	3.09	6	32.5	102.9	135.4	33.5	UnDef	UnDef	6.0	UnDef	14.4	30.3
06	5.0E-05	0.01	33.5	2.66	6	30.0	86.6	116.6	32.8	36	32.7	6.0	-0.18	10.2	21.9
..22	5.0E-05	0.01	34.3	2.46	6	30.8	74.2	105.1	31.5	36	33.5	6.0	-0.17	9.6	21.6
17.39	5.0E-05	0.01	38.8	2.12	7	34.9	54.8	89.7	27.9	38	37.1	6.0	-0.17	8.4	22.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5012
CPT File: 315CP30.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.01	33.9	2.48	6	30.7	77.1	107.8	31.8	36	33.5	6.0	-0.17	9.7	21.8
17.72	5.0E-05	0.01	31.4	2.45	6	28.7	82.5	111.2	32.8	36	31.5	6.0	-0.16	9.7	21.0
17.88	5.0E-05	0.02	34.1	2.21	7	31.2	64.4	95.6	30.2	36	33.9	6.0	-0.16	8.9	21.1
18.04	5.0E-05	0.02	34.8	2.03	7	32.0	56.8	88.8	29.0	38	34.6	6.0	-0.15	8.4	20.9
18.21	5.0E-05	0.03	29.5	2.14	6	27.4	71.4	98.8	32.1	36	30.2	6.0	-0.14	8.8	19.6
18.37	5.0E-05	0.03	28.5	2.06	6	26.7	70.3	97.0	32.1	36	30.0	6.0	-0.13	8.7	19.1
18.54	5.0E-05	0.03	32.1	1.89	7	30.0	55.6	85.6	29.3	36	32.8	6.0	-0.13	8.0	19.8
18.70	5.0E-05	0.01	35.8	1.74	7	33.5	46.8	80.3	26.8	38	36.0	6.0	-0.14	7.5	20.7
18.86	5.0E-05	0.00	37.9	1.75	7	35.6	45.8	81.4	26.1	38	37.7	6.0	-0.15	7.6	21.5
19.03	5.0E-05	0.00	39.0	1.69	7	36.8	43.3	80.2	25.2	38	38.6	6.0	-0.14	7.4	21.8
19.19	5.0E-05	0.00	40.5	1.94	7	38.4	50.4	88.8	26.3	38	39.8	6.0	-0.16	8.3	23.3
19.36	5.0E-05	0.00	39.3	2.10	7	37.4	56.6	94.1	27.6	38	39.1	6.0	-0.17	8.9	23.5
19.52	5.0E-05	0.00	38.5	2.01	7	36.8	54.6	91.4	27.4	38	38.6	6.0	-0.16	8.6	23.0
19.68	5.0E-05	0.00	37.9	1.76	7	36.4	47.1	83.6	26.1	38	38.3	6.0	-0.15	7.8	22.0
19.85	5.0E-04	0.00	37.9	1.52	7	36.6	40.0	76.6	24.6	38	38.5	1.0	-0.13	5.8	17.7
20.01	5.0E-04	0.00	37.4	1.44	7	36.3	38.1	74.5	24.2	38	38.2	1.0	-0.13	5.6	17.4
20.18	5.0E-05	0.00	34.8	1.72	7	34.0	48.6	82.6	27.0	36	36.3	6.0	-0.13	7.7	21.0
20.34	5.0E-05	0.00	30.8	1.89	7	30.3	60.3	90.6	29.9	36	33.0	6.0	-0.13	8.5	20.3
20.51	5.0E-05	0.00	28.2	2.27	6	27.9	89.2	117.2	33.5	36	30.7	6.0	-0.14	9.9	20.9
20.67	5.0E-05	0.00	29.3	2.24	6	29.1	83.2	112.3	32.8	36	31.9	6.0	-0.14	9.8	21.2
20.83	5.0E-05	0.01	28.6	2.27	6	28.5	88.5	117.1	33.3	36	31.3	6.0	-0.14	10.0	21.2
21.00	5.0E-05	0.02	23.1	2.48	6	23.4	93.4	116.8	38.0	34	30.0	6.0	-0.13	9.1	18.3
21.16	5.0E-05	0.03	20.4	2.28	6	20.8	83.4	104.2	39.2	34	30.0	6.0	-0.10	8.2	16.3
21.33	5.0E-05	0.04	19.5	2.06	6	20.0	80.2	100.2	38.6	32	30.0	6.0	-0.09	7.8	15.7
21.49	5.0E-05	0.05	21.0	2.00	6	21.5	86.2	107.7	37.0	34	30.0	6.0	-0.09	8.4	16.9
21.65	5.0E-05	0.06	21.6	1.93	6	22.2	88.9	111.1	36.0	34	30.0	6.0	-0.09	8.7	17.4
21.82	5.0E-05	0.06	23.8	1.89	6	24.6	85.1	109.7	34.1	34	30.0	6.0	-0.10	9.1	18.7
21.98	5.0E-05	0.06	19.1	2.19	6	20.0	79.8	99.8	39.8	32	30.0	6.0	-0.09	7.8	15.6
22.15	5.0E-06	0.07	18.1	2.62	6	19.0	75.9	94.9	43.4	UnDef	UnDef	6.0	UnDef	9.3	18.6
.31	5.0E-05	0.06	22.4	2.40	6	23.4	93.7	117.2	38.1	34	30.0	6.0	-0.11	9.2	18.3
.47	5.0E-05	0.03	25.4	2.13	6	26.6	97.4	124.0	34.4	34	30.0	6.0	-0.12	10.0	20.4
22.64	5.0E-05	0.04	26.9	2.11	6	28.1	87.7	115.9	33.4	36	30.9	6.0	-0.12	9.9	20.9
22.80	5.0E-05	0.02	25.6	2.01	6	26.9	87.2	114.1	33.6	34	30.0	6.0	-0.12	9.6	20.2
22.97	5.0E-05	0.02	23.3	2.00	6	24.7	98.8	123.5	35.1	34	30.0	6.0	-0.10	9.7	19.3
23.13	5.0E-05	0.02	22.6	2.09	6	24.0	96.1	120.1	36.2	34	30.0	6.0	-0.10	9.4	18.8
23.29	5.0E-05	0.02	24.9	1.91	6	26.5	83.8	110.4	33.5	34	30.0	6.0	-0.11	9.4	19.8
23.46	5.0E-05	0.03	25.1	1.96	6	26.8	86.3	113.1	33.6	34	30.0	6.0	-0.11	9.6	20.1
23.62	5.0E-04	0.01	32.3	1.51	7	34.4	47.5	81.9	26.7	36	36.7	1.0	-0.11	6.4	17.6
23.79	5.0E-04	0.00	37.4	1.39	7	39.7	40.4	80.1	23.9	38	40.8	1.0	-0.12	6.0	18.9
23.95	5.0E-05	0.00	37.4	2.07	7	39.9	64.3	104.2	28.1	38	40.9	6.0	-0.16	9.8	25.4
24.11	5.0E-05	0.00	39.4	2.20	7	42.1	67.6	109.7	28.1	38	42.5	6.0	-0.17	10.3	26.8
24.28	5.0E-04	0.00	53.8	1.63	7	57.3	41.9	99.3	20.8	40	51.3	1.0	-0.17	6.7	25.4
24.44	5.0E-04	0.00	57.4	1.43	7	61.3	35.8	97.1	18.8	40	53.3	1.0	-0.17	6.0	26.0
24.61	5.0E-04	0.00	50.0	1.70	7	53.7	45.2	98.9	22.1	38	49.4	1.0	-0.17	7.0	24.5
24.77	5.0E-05	0.00	37.2	2.68	6	40.4	95.6	136.0	31.3	38	41.3	6.0	-0.19	12.4	28.2
24.93	5.0E-05	0.00	38.0	2.70	6	41.3	95.5	136.8	31.1	38	41.9	6.0	-0.20	12.5	28.7
25.10	5.0E-04	0.00	44.0	1.83	7	47.9	52.1	100.0	24.5	38	46.2	1.0	-0.17	7.6	23.2
25.26	5.0E-04	0.00	53.3	1.45	7	58.0	38.0	96.0	19.8	40	51.7	1.0	-0.16	6.2	25.1
25.43	5.0E-03	0.00	66.5	1.16	7	72.3	28.0	100.3	15.5	40	58.0	1.0	-0.16	3.7	21.4
25.59	5.0E-03	0.00	90.6	1.16	9	98.5	24.9	123.4	12.6	42	66.8	1.0	-0.19	3.5	27.6
25.75	5.0E-03	0.00	114.8	1.06	9	124.9	19.1	144.0	10.0	42	73.6	1.0	-0.21	2.8	33.3
25.92	5.0E+00	0.00	154.2	0.01	10	168.1	0.0	168.1	2.7	44	82.2	1.0	0.15	0.0	27.4
26.08	5.0E+00	0.00	163.8	0.01	10	179.3	0.0	179.3	2.6	44	84.0	1.0	0.15	0.0	29.2

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5050
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-31
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 11:22
CPT File: 315CP31.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
0.16	9.8	0.27	2.75	-0.4	4	79.6	0.01	0.01	0.00	2.00	6.3	12.6	0.79	0.00
0.33	13.0	0.44	3.40	-3.0	4	79.6	0.01	0.01	0.00	2.00	8.3	16.5	1.04	0.00
0.49	18.1	0.66	3.65	-5.0	4	79.6	0.02	0.02	0.00	2.00	11.6	23.1	1.45	0.00
0.66	38.1	0.72	1.90	-1.4	6	98.7	0.03	0.03	0.00	2.00	14.6	29.2	3.04	0.00
0.82	44.3	0.69	1.56	-0.5	7	98.7	0.03	0.03	0.00	2.00	14.2	28.3	UnDef	0.00
0.98	42.5	0.48	1.13	-0.2	7	98.7	0.04	0.04	0.00	2.00	13.6	27.2	UnDef	0.13
1.15	46.3	0.30	0.65	-0.1	7	98.7	0.05	0.05	0.00	2.00	14.8	29.6	UnDef	0.14
.31	53.6	0.28	0.52	-0.1	8	101.8	0.06	0.06	0.00	2.00	12.8	25.7	UnDef	0.18
..48	56.4	0.27	0.48	0.0	8	101.8	0.07	0.07	0.00	2.00	13.5	27.0	UnDef	0.20
1.64	43.6	0.25	0.58	-0.1	7	98.7	0.08	0.08	0.00	2.00	13.9	27.8	UnDef	0.13
1.80	33.4	0.14	0.42	-0.1	7	98.7	0.08	0.08	0.00	2.00	10.6	21.3	UnDef	0.10
1.97	27.3	0.12	0.44	-0.2	7	98.7	0.09	0.09	0.00	2.00	8.7	17.5	UnDef	0.09
2.13	26.3	0.15	0.57	-0.1	7	98.7	0.10	0.10	0.00	2.00	8.4	16.8	UnDef	0.09
2.30	25.7	0.19	0.74	0.0	7	98.7	0.11	0.11	0.00	2.00	8.2	16.4	UnDef	0.09
2.46	23.1	0.25	1.08	-0.3	6	98.7	0.12	0.12	0.00	2.00	8.9	17.7	1.84	0.09
2.62	19.8	0.24	1.21	-0.1	6	98.7	0.12	0.12	0.00	2.00	7.6	15.2	1.57	0.09
2.79	19.0	0.37	1.95	-0.8	6	98.7	0.13	0.13	0.00	2.00	7.3	14.6	1.51	0.09
2.95	20.9	0.54	2.58	-1.0	5	85.3	0.14	0.14	0.00	2.00	10.0	20.1	1.66	0.10
3.12	19.3	0.67	3.48	-1.1	4	79.6	0.15	0.15	0.00	2.00	12.3	24.6	1.53	0.00
3.28	16.9	0.61	3.63	-0.9	4	79.6	0.15	0.15	0.00	2.00	10.8	21.5	1.34	0.00
3.44	13.9	0.43	3.10	-1.2	4	79.6	0.16	0.16	0.00	2.00	8.9	17.8	1.10	0.09
3.61	11.2	0.30	2.69	-1.0	5	85.3	0.17	0.17	0.00	2.00	5.3	10.7	0.88	0.09
3.77	9.0	0.21	2.34	-0.8	5	85.3	0.17	0.17	0.00	2.00	4.3	8.6	0.71	0.09
3.94	7.5	0.17	2.26	-1.0	4	79.6	0.18	0.18	0.00	2.00	4.8	9.6	0.59	0.09
4.10	7.8	0.13	1.67	-0.9	5	85.3	0.19	0.19	0.00	2.00	3.7	7.5	0.61	0.08
4.27	9.1	0.18	1.99	-1.0	5	85.3	0.19	0.19	0.00	2.00	4.3	8.7	0.71	0.08
4.43	8.9	0.25	2.80	-0.9	4	79.6	0.20	0.20	0.00	2.00	5.7	11.4	0.70	0.09
4.59	8.9	0.30	3.39	-0.9	3	74.5	0.21	0.21	0.00	2.00	8.5	17.0	0.69	0.11
4.76	9.4	0.33	3.50	-1.1	3	74.5	0.21	0.21	0.00	2.00	9.0	18.1	0.74	0.11
4.92	10.4	0.30	2.89	-0.9	4	79.6	0.22	0.22	0.00	2.00	6.6	13.3	0.82	0.10
5.09	11.5	0.29	2.53	-1.1	5	85.3	0.23	0.23	0.00	2.00	5.5	11.0	0.90	0.09
5.25	13.0	0.32	2.46	-1.0	5	85.3	0.23	0.23	0.00	2.00	6.2	12.5	1.02	0.09
5.41	13.8	0.36	2.62	-1.8	5	85.3	0.24	0.24	0.00	2.00	6.6	13.2	1.08	0.10
5.58	13.9	0.41	2.97	-2.3	5	85.3	0.25	0.25	0.00	2.00	6.6	13.3	1.09	0.11
5.74	16.3	0.63	3.86	-0.8	3	74.5	0.25	0.25	0.00	1.98	15.7	31.1	1.29	0.14
5.91	17.2	0.60	3.50	-0.5	4	79.6	0.26	0.26	0.00	1.96	11.0	21.5	1.35	0.13
6.07	20.7	0.61	2.95	-1.1	5	85.3	0.27	0.27	0.00	1.93	9.9	19.2	1.63	0.12
6.23	20.1	0.63	3.14	-0.3	5	85.3	0.27	0.27	0.00	1.91	9.6	18.4	1.59	0.13
6.40	18.5	0.60	3.25	1.8	5	85.3	0.28	0.28	0.00	1.89	8.9	16.7	1.46	0.13
56	18.4	0.53	2.89	4.5	5	85.3	0.29	0.29	0.00	1.86	8.8	16.4	1.45	0.12
6.73	16.6	0.50	3.02	-1.0	5	85.3	0.30	0.30	0.00	1.84	8.0	14.6	1.30	0.12
6.89	14.6	0.46	3.17	-0.1	4	79.6	0.30	0.30	0.00	1.82	9.3	16.9	1.14	0.13

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5050
CPT File: 315CP31.COR

pth .t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	14.5	0.41	2.83	0.0	5	85.3	0.31	0.31	0.00	1.80	6.9	12.5	1.14	0.12
7.22	14.3	0.39	2.73	0.5	5	85.3	0.32	0.32	0.00	1.78	6.9	12.2	1.12	0.11
7.38	13.7	0.38	2.77	1.1	5	85.3	0.32	0.32	0.00	1.76	6.6	11.6	1.07	0.12
7.55	13.9	0.39	2.82	1.2	5	85.3	0.33	0.33	0.00	1.74	6.6	11.6	1.08	0.12
7.71	13.9	0.44	3.18	0.3	4	79.6	0.34	0.34	0.00	1.72	8.9	15.3	1.08	0.15
7.87	16.5	0.47	2.86	2.5	5	85.3	0.34	0.34	0.00	1.71	7.9	13.5	1.29	0.12
8.04	18.9	0.56	2.98	3.2	5	85.3	0.35	0.35	0.00	1.69	9.0	15.3	1.48	0.13
8.20	20.7	0.57	2.76	5.5	5	85.3	0.36	0.36	0.00	1.67	9.9	16.6	1.63	0.12
8.37	23.7	0.51	2.16	7.5	6	98.7	0.36	0.36	0.00	1.66	9.1	15.0	1.86	0.11
8.53	33.5	0.50	1.50	-0.7	6	98.7	0.37	0.37	0.00	1.64	12.8	21.0	2.65	0.12
8.69	36.5	0.55	1.51	-1.3	7	98.7	0.38	0.38	0.00	1.62	11.7	18.9	UnDef	0.12
8.86	39.5	0.60	1.52	-1.0	7	98.7	0.39	0.39	0.00	1.60	12.6	20.2	UnDef	0.13
9.02	43.0	0.64	1.49	-0.7	7	98.7	0.40	0.40	0.00	1.59	13.7	21.8	UnDef	0.14
9.19	45.6	0.43	0.95	-1.8	7	98.7	0.41	0.41	0.00	1.57	14.6	22.9	UnDef	0.13
9.35	46.7	0.27	0.58	-1.2	7	98.7	0.41	0.41	0.00	1.56	14.9	23.2	UnDef	0.12
9.51	47.8	0.22	0.46	-1.2	8	101.8	0.42	0.42	0.00	1.54	11.4	17.6	UnDef	0.11
9.68	46.7	0.26	0.56	-1.1	8	101.8	0.43	0.43	0.00	1.53	11.2	17.1	UnDef	0.12
9.84	45.8	0.25	0.55	-0.9	8	101.8	0.44	0.44	0.00	1.51	11.0	16.6	UnDef	0.11
10.01	45.2	0.23	0.51	-1.0	8	101.8	0.45	0.45	0.00	1.50	10.8	16.2	UnDef	0.11
10.17	43.8	0.26	0.59	-1.1	7	98.7	0.45	0.45	0.00	1.48	14.0	20.7	UnDef	0.11
10.33	44.5	0.28	0.63	-1.1	7	98.7	0.46	0.46	0.00	1.47	14.2	20.9	UnDef	0.11
10.50	45.5	0.29	0.64	-1.2	7	98.7	0.47	0.47	0.00	1.46	14.5	21.2	UnDef	0.11
10.66	45.9	0.31	0.68	-0.8	7	98.7	0.48	0.48	0.00	1.44	14.6	21.2	UnDef	0.11
10.83	43.6	0.31	0.71	-1.0	7	98.7	0.49	0.49	0.00	1.43	13.9	20.0	UnDef	0.11
10.99	43.4	0.31	0.72	-1.1	7	98.7	0.50	0.50	0.00	1.42	13.9	19.7	UnDef	0.11
11.15	44.5	0.31	0.70	-1.2	7	98.7	0.50	0.50	0.00	1.41	14.2	20.0	UnDef	0.11
11.32	45.4	0.32	0.71	-1.0	7	98.7	0.51	0.51	0.00	1.40	14.5	20.2	UnDef	0.11
11.48	48.6	0.35	0.72	-1.1	7	98.7	0.52	0.52	0.00	1.39	15.5	21.5	UnDef	0.12
11.65	46.6	0.37	0.80	-1.2	7	98.7	0.53	0.53	0.00	1.38	14.9	20.5	UnDef	0.12
.81	43.8	0.41	0.94	-1.2	7	98.7	0.54	0.54	0.00	1.37	14.0	19.1	UnDef	0.12
..97	46.2	0.44	0.95	-1.0	7	98.7	0.54	0.54	0.00	1.36	14.8	20.0	UnDef	0.12
12.14	50.6	0.43	0.85	-0.7	7	98.7	0.55	0.55	0.00	1.35	16.1	21.7	UnDef	0.12
12.30	44.1	0.39	0.89	-1.1	7	98.7	0.56	0.56	0.00	1.34	14.1	18.8	UnDef	0.11
12.47	39.3	0.45	1.15	-1.1	7	98.7	0.57	0.57	0.00	1.33	12.5	16.6	UnDef	0.11
12.63	40.3	0.61	1.52	-0.4	7	98.7	0.58	0.58	0.00	1.32	12.9	17.0	UnDef	0.12
12.80	59.9	0.82	1.37	0.4	7	98.7	0.58	0.58	0.00	1.31	19.1	25.0	UnDef	0.17
12.96	98.8	0.91	0.92	-0.6	8	101.8	0.59	0.59	0.00	1.30	23.6	30.7	UnDef	0.29
13.12	99.1	0.81	0.82	-0.5	8	101.8	0.60	0.60	0.00	1.29	23.7	30.6	UnDef	0.28
13.29	84.5	0.66	0.78	-0.4	8	101.8	0.61	0.61	0.00	1.28	20.2	25.9	UnDef	0.21
13.45	67.1	0.50	0.75	-0.5	8	101.8	0.62	0.62	0.00	1.27	16.1	20.5	UnDef	0.15
13.62	57.0	0.39	0.69	-0.5	8	101.8	0.63	0.63	0.00	1.26	13.6	17.2	UnDef	0.13
13.78	55.0	0.59	1.08	-0.5	7	98.7	0.63	0.63	0.00	1.26	17.6	22.1	UnDef	0.14
13.94	52.6	0.70	1.33	-0.4	7	98.7	0.64	0.64	0.00	1.25	16.8	20.9	UnDef	0.14
14.11	46.8	0.85	1.82	-1.1	7	98.7	0.65	0.65	0.00	1.24	14.9	18.5	UnDef	0.15
14.27	45.6	1.00	2.20	-0.5	6	98.7	0.66	0.66	0.00	1.23	17.5	21.5	3.60	0.17
14.44	44.8	1.01	2.26	0.0	6	98.7	0.67	0.67	0.00	1.23	17.2	21.0	3.53	0.17
14.60	48.8	1.11	2.28	-0.1	6	98.7	0.67	0.67	0.00	1.22	18.7	22.8	3.85	0.18
14.76	50.1	1.10	2.20	-0.4	6	98.7	0.68	0.68	0.00	1.21	19.2	23.2	3.95	0.18
14.93	45.2	1.02	2.26	-0.5	6	98.7	0.69	0.69	0.00	1.20	17.3	20.8	3.56	0.17
15.09	47.5	1.05	2.22	-1.3	6	98.7	0.70	0.70	0.00	1.20	18.2	21.7	3.74	0.17
15.26	49.8	1.10	2.22	-0.1	6	98.7	0.71	0.71	0.00	1.19	19.1	22.7	3.92	0.18
15.42	61.4	1.09	1.78	-0.7	7	98.7	0.72	0.72	0.00	1.18	19.6	23.2	UnDef	0.18
15.58	68.8	0.98	1.43	-1.1	7	98.7	0.72	0.72	0.00	1.18	22.0	25.8	UnDef	0.18
15.75	72.6	0.69	0.95	-1.4	8	101.8	0.73	0.73	0.00	1.17	17.4	20.3	UnDef	0.17
15.91	61.8	0.60	0.97	-0.4	8	101.8	0.74	0.74	0.00	1.16	14.8	17.2	UnDef	0.14
16.08	57.0	0.68	1.20	-0.1	7	98.7	0.75	0.75	0.00	1.16	18.2	21.0	UnDef	0.14
16.24	51.9	0.86	1.66	-0.2	7	98.7	0.76	0.76	0.00	1.15	16.6	19.1	UnDef	0.15
16.40	44.6	0.91	2.04	0.1	6	98.7	0.76	0.76	0.00	1.14	17.1	19.6	3.51	0.16
16.57	41.5	1.00	2.42	-0.5	6	98.7	0.77	0.77	0.00	1.14	15.9	18.1	3.25	0.18
16.73	38.3	0.97	2.54	0.1	6	98.7	0.78	0.78	0.00	1.13	14.7	16.6	3.00	0.19
16.90	32.5	0.99	3.05	1.6	5	85.3	0.79	0.79	0.00	1.13	15.6	17.5	2.54	0.29
06	29.0	0.89	3.07	3.3	5	85.3	0.79	0.79	0.00	1.12	13.9	15.6	2.26	0.37
..22	32.5	0.75	2.32	4.1	6	98.7	0.80	0.80	0.00	1.12	12.4	13.9	2.53	0.17
17.39	36.5	0.79	2.17	4.5	6	98.7	0.81	0.81	0.00	1.11	14.0	15.5	2.86	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5050
CPT File: 315CP31.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	40.4	0.79	1.96	0.7	6	98.7	0.82	0.82	0.00	1.11	15.5	17.1	3.17	0.15
17.72	42.4	0.80	1.89	1.1	6	98.7	0.83	0.83	0.00	1.10	16.2	17.8	3.32	0.15
17.88	44.7	0.74	1.66	0.9	7	98.7	0.83	0.83	0.00	1.09	14.3	15.6	UnDef	0.14
18.04	47.1	0.64	1.36	0.3	7	98.7	0.84	0.84	0.00	1.09	15.1	16.4	UnDef	0.13
18.21	47.4	0.56	1.18	0.0	7	98.7	0.85	0.85	0.00	1.08	15.1	16.4	UnDef	0.12
18.37	49.8	0.63	1.27	-0.4	7	98.7	0.86	0.86	0.00	1.08	15.9	17.1	UnDef	0.13
18.54	49.7	0.63	1.27	-0.2	7	98.7	0.87	0.87	0.00	1.07	15.9	17.0	UnDef	0.13
18.70	50.5	0.66	1.31	0.2	7	98.7	0.88	0.88	0.00	1.07	16.1	17.2	UnDef	0.13
18.86	51.8	0.72	1.39	-0.2	7	98.7	0.88	0.88	0.00	1.06	16.5	17.6	UnDef	0.14
19.03	52.6	0.58	1.10	-0.3	7	98.7	0.89	0.89	0.00	1.06	16.8	17.8	UnDef	0.13
19.19	51.6	0.58	1.13	-1.0	7	98.7	0.90	0.90	0.00	1.05	16.5	17.4	UnDef	0.13
19.36	52.8	0.56	1.06	-0.5	7	98.7	0.91	0.91	0.00	1.05	16.8	17.7	UnDef	0.12
19.52	50.7	0.63	1.25	-0.5	7	98.7	0.92	0.92	0.00	1.05	16.2	16.9	UnDef	0.13
19.68	51.7	0.72	1.40	-0.4	7	98.7	0.92	0.92	0.00	1.04	16.5	17.2	UnDef	0.14
19.85	52.1	0.73	1.41	-0.4	7	98.7	0.93	0.93	0.00	1.04	16.6	17.2	UnDef	0.14
20.01	51.9	0.70	1.35	0.2	7	98.7	0.94	0.94	0.00	1.03	16.6	17.1	UnDef	0.14
20.18	51.9	0.69	1.33	-0.4	7	98.7	0.95	0.95	0.00	1.03	16.6	17.0	UnDef	0.13
20.34	50.3	0.71	1.41	-0.2	7	98.7	0.96	0.96	0.00	1.02	16.1	16.4	UnDef	0.14
20.51	43.6	0.80	1.84	0.0	7	98.7	0.96	0.96	0.00	1.02	13.9	14.2	UnDef	0.15
20.67	40.6	0.76	1.88	0.2	6	98.7	0.97	0.97	0.00	1.01	15.5	15.8	3.17	0.15
20.83	36.8	0.67	1.83	0.3	6	98.7	0.98	0.98	0.00	1.01	14.1	14.2	2.87	0.15
21.00	35.3	0.73	2.08	-0.1	6	98.7	0.99	0.99	0.00	1.01	13.5	13.6	2.74	0.18
21.16	35.8	0.78	2.19	0.6	6	98.7	1.00	1.00	0.00	1.00	13.7	13.7	2.78	0.19
21.33	37.3	0.91	2.44	2.5	6	98.7	1.00	1.00	0.00	1.00	14.3	14.3	2.91	0.24
21.49	35.9	0.93	2.60	3.3	6	98.7	1.01	1.01	0.00	0.99	13.8	13.7	2.79	0.29
21.65	33.5	0.89	2.66	6.5	6	98.7	1.02	1.02	0.00	0.99	12.8	12.7	2.60	0.36
21.82	31.5	0.80	2.54	9.1	6	98.7	1.03	1.03	0.00	0.99	12.1	11.9	2.44	0.37
21.98	29.9	0.72	2.42	11.4	6	98.7	1.04	1.04	0.00	0.98	11.4	11.2	2.31	0.36
22.15	33.3	1.37	4.13	13.5	4	79.6	1.04	1.04	0.00	0.98	21.3	20.8	2.58	0.46
.31	34.2	1.10	3.23	12.2	5	85.3	1.05	1.05	0.00	0.98	16.4	16.0	2.65	0.00
2.47	40.8	1.07	2.63	4.3	6	98.7	1.06	1.06	0.00	0.97	15.6	15.2	3.18	0.29
22.64	34.9	0.89	2.56	5.3	6	98.7	1.07	1.07	0.00	0.97	13.4	12.9	2.71	0.33
22.80	32.9	0.75	2.29	8.7	6	98.7	1.07	1.07	0.00	0.96	12.6	12.2	2.54	0.27
22.97	38.9	0.64	1.65	8.1	7	98.7	1.08	1.08	0.00	0.96	12.4	11.9	UnDef	0.14
23.13	45.5	0.71	1.56	3.6	7	98.7	1.09	1.09	0.00	0.96	14.5	13.9	UnDef	0.14
23.29	48.6	0.75	1.55	1.7	7	98.7	1.10	1.10	0.00	0.95	15.5	14.8	UnDef	0.14
23.46	48.1	0.94	1.96	1.2	7	98.7	1.11	1.11	0.00	0.95	15.4	14.6	UnDef	0.18
23.62	44.1	1.07	2.43	0.7	6	98.7	1.12	1.12	0.00	0.95	16.9	16.0	3.44	0.25
23.79	42.0	1.05	2.51	1.7	6	98.7	1.12	1.12	0.00	0.94	16.1	15.2	3.27	0.28
23.95	45.7	1.05	2.30	1.9	6	98.7	1.13	1.13	0.00	0.94	17.5	16.5	3.57	0.23
24.11	55.5	0.88	1.59	1.8	7	98.7	1.14	1.14	0.00	0.94	17.7	16.6	UnDef	0.16
24.28	59.1	0.75	1.27	0.7	7	98.7	1.15	1.15	0.00	0.93	18.9	17.6	UnDef	0.14
24.44	61.1	0.68	1.11	-0.2	7	98.7	1.16	1.16	0.00	0.93	19.5	18.2	UnDef	0.14
24.61	65.3	0.68	1.04	-0.2	8	101.8	1.16	1.16	0.00	0.93	15.6	14.5	UnDef	0.14
24.77	72.5	0.80	1.11	-0.3	8	101.8	1.17	1.17	0.00	0.92	17.4	16.0	UnDef	0.16
24.93	71.3	1.07	1.50	-0.2	7	98.7	1.18	1.18	0.00	0.92	22.8	20.9	UnDef	0.18
25.10	71.2	1.51	2.12	1.0	7	98.7	1.19	1.19	0.00	0.92	22.7	20.9	UnDef	0.24
25.26	68.4	1.68	2.46	2.2	6	98.7	1.20	1.20	0.00	0.91	26.2	23.9	5.37	0.29
25.43	77.9	1.43	1.84	2.5	7	98.7	1.20	1.20	0.00	0.91	24.9	22.7	UnDef	0.23
25.59	85.6	0.96	1.12	-0.5	8	101.8	1.21	1.21	0.00	0.91	20.5	18.6	UnDef	0.18
25.75	83.9	0.72	0.86	-0.1	8	101.8	1.22	1.22	0.00	0.90	20.1	18.2	UnDef	0.16
25.92	84.2	0.78	0.93	0.0	8	101.8	1.23	1.23	0.00	0.90	20.2	18.2	UnDef	0.16
26.08	83.2	0.80	0.96	0.1	8	101.8	1.24	1.24	0.00	0.90	19.9	17.9	UnDef	0.17
26.25	82.7	0.85	1.03	0.1	8	101.8	1.25	1.25	0.00	0.90	19.8	17.7	UnDef	0.17
26.41	77.0	0.84	1.09	-0.1	8	101.8	1.25	1.25	0.00	0.89	18.4	16.5	UnDef	0.16
26.57	77.4	0.84	1.09	0.0	8	101.8	1.26	1.26	0.00	0.89	18.5	16.5	UnDef	0.16
26.74	82.5	0.88	1.07	-0.2	8	101.8	1.27	1.27	0.00	0.89	19.8	17.5	UnDef	0.17
26.90	86.3	0.90	1.05	-0.1	8	101.8	1.28	1.28	0.00	0.88	20.7	18.3	UnDef	0.18
27.07	112.2	1.19	1.06	-0.1	8	101.8	1.29	1.29	0.00	0.88	26.9	23.7	UnDef	0.24
27.23	154.9	1.51	0.98	-0.4	9	101.8	1.30	1.30	0.00	0.88	29.7	26.1	UnDef	0.39
27.39	176.9	1.66	0.94	-0.2	9	101.8	1.30	1.30	0.00	0.88	33.9	29.7	UnDef	0.00
.56	194.4	0.02	0.01	-0.1	10	127.3	1.31	1.31	0.00	0.87	31.0	27.1	UnDef	0.00
.72	201.0	0.02	0.01	-0.1	10	127.3	1.32	1.32	0.00	0.87	32.1	27.9	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5050
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-31
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 11:22
CPT File: 315CP31.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	5.0E-07	0.00	1000.0	2.75	12	18.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.33	5.0E-07	-0.01	991.7	3.41	12	24.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.49	5.0E-07	-0.01	924.5	3.66	12	34.7	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.66	5.0E-05	0.00	1000.0	1.90	12	72.9	UnDef	UnDef	0.0	50	90.8	10.0	-0.50	UnDef	UnDef
0.82	5.0E-04	0.00	1000.0	1.56	12	84.9	UnDef	UnDef	0.0	50	91.4	1.0	-0.47	UnDef	UnDef
0.98	5.0E-04	0.00	986.7	1.13	9	81.5	0.0	81.5	1.1	50	87.2	1.0	-0.42	0.0	27.2
1.15	5.0E-04	0.00	904.1	0.65	10	88.7	0.0	88.7	0.0	50	87.2	1.0	-0.35	0.0	29.6
1.31	5.0E-03	0.00	901.5	0.52	10	102.7	0.0	102.7	0.0	50	89.2	1.0	-0.33	0.0	25.7
.48	5.0E-03	0.00	831.7	0.48	10	108.0	0.0	108.0	0.0	50	88.8	1.0	-0.31	0.0	27.0
..64	5.0E-04	0.00	572.5	0.58	10	83.4	0.0	83.4	0.0	50	79.8	1.0	-0.30	0.0	27.8
1.80	5.0E-04	0.00	395.8	0.42	10	63.9	0.0	63.9	0.0	48	70.7	1.0	-0.23	0.0	21.3
1.97	5.0E-04	0.00	295.6	0.44	10	52.4	0.0	52.4	0.6	46	63.7	1.0	-0.21	0.0	17.5
2.13	5.0E-04	0.00	261.6	0.57	9	50.4	0.0	50.4	2.0	46	61.4	1.0	-0.22	0.0	16.8
2.30	5.0E-04	0.00	236.1	0.74	9	49.2	0.0	49.2	3.5	46	59.5	1.0	-0.24	0.0	16.4
2.46	5.0E-05	0.00	197.6	1.09	9	44.3	1.8	46.1	6.5	46	55.5	10.0	-0.26	0.5	18.2
2.62	5.0E-05	0.00	158.1	1.22	9	37.9	4.1	42.0	8.6	44	50.1	10.0	-0.25	1.0	16.2
2.79	5.0E-05	0.00	142.5	1.96	9	36.5	10.0	46.5	13.1	44	48.1	10.0	-0.30	2.3	16.9
2.95	5.0E-06	0.00	148.4	2.60	7	40.1	15.5	55.6	15.5	UnDef	UnDef	10.0	UnDef	4.2	24.3
3.12	5.0E-07	0.00	130.3	3.51	12	37.0	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.28	5.0E-07	0.00	108.9	3.66	12	32.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.44	5.0E-07	0.00	86.0	3.13	7	26.7	23.7	50.3	22.6	UnDef	UnDef	10.0	UnDef	7.4	25.2
3.61	5.0E-06	0.00	66.0	2.73	7	21.4	22.0	43.4	24.0	UnDef	UnDef	10.0	UnDef	5.0	15.7
3.77	5.0E-06	0.00	50.9	2.38	7	17.3	21.0	38.3	25.6	UnDef	UnDef	10.0	UnDef	4.5	13.1
3.94	5.0E-07	0.00	40.7	2.32	7	14.4	23.6	38.0	28.2	UnDef	UnDef	6.0	UnDef	6.1	15.7
4.10	5.0E-06	0.00	40.6	1.72	7	14.9	16.9	31.8	24.9	UnDef	UnDef	6.0	UnDef	3.7	11.2
4.27	5.0E-06	0.00	45.7	2.03	7	17.4	20.3	37.6	25.2	UnDef	UnDef	6.0	UnDef	4.4	13.1
4.43	5.0E-07	0.00	43.5	2.87	6	17.1	34.3	51.4	30.0	UnDef	UnDef	6.0	UnDef	8.2	19.6
4.59	5.0E-08	0.00	41.8	3.47	6	17.0	51.0	68.0	33.1	UnDef	UnDef	6.0	UnDef	15.0	32.0
4.76	5.0E-08	0.00	43.3	3.58	6	18.1	53.9	72.0	33.0	UnDef	UnDef	6.0	UnDef	15.9	34.0
4.92	5.0E-07	0.00	46.4	2.95	6	19.9	37.4	57.4	29.4	UnDef	UnDef	6.0	UnDef	9.2	22.5
5.09	5.0E-06	0.00	49.7	2.58	7	22.0	30.7	52.7	26.8	UnDef	UnDef	6.0	UnDef	6.3	17.3
5.25	5.0E-06	0.00	54.8	2.51	7	25.0	29.3	54.2	25.2	UnDef	UnDef	10.0	UnDef	6.4	18.8
5.41	5.0E-06	0.00	56.3	2.66	7	26.4	32.3	58.7	25.6	UnDef	UnDef	10.0	UnDef	6.9	20.1
5.58	5.0E-06	-0.01	55.0	3.02	7	26.5	39.8	66.3	27.5	UnDef	UnDef	10.0	UnDef	8.0	21.2
5.74	5.0E-08	0.00	63.3	3.92	6	31.3	56.6	87.9	29.1	UnDef	UnDef	10.0	UnDef	20.9	52.0
5.91	5.0E-07	0.00	65.0	3.55	6	32.9	49.3	82.2	27.5	UnDef	UnDef	10.0	UnDef	12.9	34.4
6.07	5.0E-06	0.00	76.5	2.99	7	39.2	37.7	76.9	23.4	UnDef	UnDef	10.0	UnDef	8.5	27.7
6.23	5.0E-06	0.00	72.4	3.18	7	37.6	41.9	79.5	24.7	UnDef	UnDef	10.0	UnDef	9.0	27.4
6.40	5.0E-06	0.00	64.9	3.30	7	34.2	46.0	80.2	26.5	UnDef	UnDef	10.0	UnDef	9.4	26.1
6.56	5.0E-06	0.01	62.7	2.94	7	33.5	40.3	73.8	25.5	UnDef	UnDef	10.0	UnDef	8.5	24.9
73	5.0E-06	0.00	55.3	3.07	6	29.9	45.6	75.5	27.6	UnDef	UnDef	10.0	UnDef	8.9	23.5
..89	5.0E-07	0.00	47.2	3.23	6	25.9	54.5	80.5	30.4	UnDef	UnDef	6.0	UnDef	12.4	29.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5050
CPT File: 315CP31.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.00	46.0	2.90	6	25.6	47.2	72.8	29.3	UnDef	UnDef	6.0	UnDef	8.5	21.0
7.22	5.0E-06	0.00	44.3	2.79	6	24.9	46.4	71.3	29.4	UnDef	UnDef	6.0	UnDef	8.4	20.6
7.38	5.0E-06	0.00	41.6	2.84	6	23.7	50.3	74.0	30.5	UnDef	UnDef	6.0	UnDef	8.6	20.2
7.55	5.0E-06	0.00	41.1	2.89	6	23.6	52.8	76.4	30.9	UnDef	UnDef	6.0	UnDef	8.8	20.4
7.71	5.0E-07	0.00	40.2	3.26	6	23.4	67.4	90.8	32.8	UnDef	UnDef	6.0	UnDef	13.2	28.5
7.87	5.0E-06	0.00	47.1	2.92	6	27.6	49.6	77.2	29.1	UnDef	UnDef	6.0	UnDef	9.1	22.6
8.04	5.0E-06	0.01	52.9	3.03	6	31.2	49.8	80.9	28.0	UnDef	UnDef	10.0	UnDef	9.5	24.8
8.20	5.0E-06	0.01	57.0	2.81	7	33.9	43.6	77.6	26.1	UnDef	UnDef	10.0	UnDef	9.0	25.6
8.37	5.0E-05	0.01	63.9	2.19	7	38.4	31.4	69.8	21.9	40	39.8	10.0	-0.23	5.9	20.9
8.53	5.0E-05	0.00	88.8	1.51	7	53.6	19.2	72.8	14.9	42	49.4	10.0	-0.22	4.1	25.1
8.69	5.0E-04	0.00	94.9	1.53	7	57.9	19.1	77.1	14.3	42	51.6	1.0	-0.23	3.5	22.4
8.86	5.0E-04	0.00	100.7	1.54	9	62.0	19.2	81.2	13.8	42	53.6	1.0	-0.23	3.5	23.7
9.02	5.0E-04	0.00	107.3	1.51	9	66.8	18.5	85.3	13.1	42	55.7	1.0	-0.24	3.4	25.2
9.19	5.0E-04	0.00	111.6	0.95	9	70.1	9.5	79.6	9.5	42	57.1	1.0	-0.19	1.8	24.7
9.35	5.0E-04	0.00	112.0	0.58	9	71.1	3.4	74.4	6.7	42	57.5	1.0	-0.15	0.7	23.9
9.51	5.0E-03	0.00	112.4	0.47	9	72.0	0.0	72.0	5.0	42	57.9	1.0	-0.13	0.0	17.6
9.68	5.0E-03	0.00	107.6	0.56	9	69.7	3.5	73.2	6.8	42	56.9	1.0	-0.14	0.5	17.6
9.84	5.0E-03	0.00	103.5	0.55	9	67.7	3.8	71.5	7.0	42	56.1	1.0	-0.14	0.6	17.1
10.01	5.0E-03	0.00	100.1	0.52	9	66.1	3.5	69.7	6.9	42	55.4	1.0	-0.13	0.5	16.7
10.17	5.0E-04	0.00	95.4	0.60	9	63.6	5.5	69.1	8.0	42	54.3	1.0	-0.14	1.1	21.8
10.33	5.0E-04	0.00	95.2	0.64	9	64.0	6.2	70.3	8.3	42	54.5	1.0	-0.14	1.2	22.1
10.50	5.0E-04	0.00	95.7	0.64	9	64.9	6.4	71.3	8.3	42	54.9	1.0	-0.14	1.3	22.4
10.66	5.0E-04	0.00	94.8	0.68	9	64.9	7.2	72.1	8.7	42	54.9	1.0	-0.15	1.4	22.6
10.83	5.0E-04	0.00	88.6	0.72	9	61.2	8.5	69.7	9.6	42	53.2	1.0	-0.15	1.7	21.6
10.99	5.0E-04	0.00	86.7	0.72	9	60.4	8.8	69.2	9.8	42	52.8	1.0	-0.15	1.7	21.4
11.15	5.0E-04	0.00	87.3	0.71	9	61.3	8.6	69.9	9.6	42	53.3	1.0	-0.14	1.7	21.7
11.32	5.0E-04	0.00	87.7	0.72	9	62.1	8.7	70.8	9.6	42	53.6	1.0	-0.15	1.7	21.9
11.48	5.0E-04	0.00	92.6	0.73	9	66.0	8.5	74.5	9.3	42	55.4	1.0	-0.15	1.7	23.2
11.65	5.0E-04	0.00	87.3	0.81	9	62.7	10.5	73.2	10.4	42	53.9	1.0	-0.16	2.0	22.5
.81	5.0E-04	0.00	80.8	0.95	9	58.6	13.7	72.3	12.1	42	52.0	1.0	-0.16	2.6	21.7
.97	5.0E-04	0.00	84.1	0.97	9	61.4	13.8	75.2	11.9	42	53.3	1.0	-0.17	2.6	22.6
12.14	5.0E-04	0.00	90.7	0.86	9	66.6	11.4	78.0	10.5	42	55.6	1.0	-0.16	2.2	23.9
12.30	5.0E-04	0.00	77.7	0.90	9	57.6	13.5	71.1	12.1	40	51.5	1.0	-0.15	2.5	21.3
12.47	5.0E-04	0.00	68.1	1.17	7	51.0	19.2	70.2	15.3	40	48.0	1.0	-0.17	3.4	20.1
12.63	5.0E-04	0.00	69.0	1.54	7	52.0	26.0	78.0	17.5	40	48.5	1.0	-0.19	4.5	21.4
12.80	5.0E-04	0.00	101.5	1.39	9	76.6	20.6	97.2	12.9	42	59.6	1.0	-0.22	3.8	28.8
12.96	5.0E-03	0.00	165.7	0.93	9	125.6	5.6	131.1	6.6	44	73.8	1.0	-0.23	0.8	31.6
13.12	5.0E-03	0.00	164.0	0.82	9	125.2	3.4	128.5	6.0	44	73.7	1.0	-0.22	0.5	31.1
13.29	5.0E-03	0.00	137.6	0.79	9	105.9	5.5	111.4	6.8	44	68.9	1.0	-0.20	0.8	26.7
13.45	5.0E-03	0.00	107.7	0.75	9	83.6	8.1	91.7	8.3	42	62.1	1.0	-0.17	1.2	21.7
13.62	5.0E-03	0.00	90.0	0.69	9	70.5	9.0	79.4	9.2	42	57.2	1.0	-0.15	1.3	18.6
13.78	5.0E-04	0.00	85.7	1.09	9	67.6	17.1	84.7	12.6	42	56.0	1.0	-0.18	3.2	25.2
13.94	5.0E-04	0.00	80.9	1.35	7	64.2	22.7	86.9	14.8	42	54.6	1.0	-0.20	4.1	25.0
14.11	5.0E-04	0.00	70.9	1.85	7	56.7	33.6	90.4	18.9	40	51.0	1.0	-0.22	5.6	24.1
14.27	5.0E-05	0.00	68.3	2.23	7	55.0	42.3	97.3	21.3	40	50.1	10.0	-0.24	8.0	29.6
14.44	5.0E-05	0.00	66.3	2.29	7	53.8	44.3	98.0	21.9	40	49.5	10.0	-0.24	8.3	29.3
14.60	5.0E-05	0.00	71.4	2.31	7	58.2	44.2	102.4	21.2	40	51.7	10.0	-0.25	8.4	31.2
14.76	5.0E-05	0.00	72.4	2.23	7	59.3	42.6	101.9	20.7	40	52.3	10.0	-0.24	8.2	31.4
14.93	5.0E-05	0.00	64.4	2.30	7	53.2	45.6	98.8	22.3	40	49.2	10.0	-0.24	8.5	29.3
15.09	5.0E-05	0.00	66.9	2.25	7	55.6	44.3	99.9	21.6	40	50.4	10.0	-0.24	8.4	30.1
15.26	5.0E-05	0.00	69.4	2.25	7	57.9	44.1	102.0	21.2	40	51.6	10.0	-0.24	8.4	31.1
15.42	5.0E-04	0.00	84.9	1.80	7	71.1	32.8	103.9	16.8	42	57.5	1.0	-0.23	5.7	28.9
15.58	5.0E-04	0.00	94.1	1.44	9	79.2	24.7	103.9	13.9	42	60.6	1.0	-0.22	4.5	30.3
15.75	5.0E-03	0.00	98.2	0.96	9	83.0	14.4	97.4	10.5	42	61.9	1.0	-0.18	2.1	22.4
15.91	5.0E-03	0.00	82.5	0.99	9	70.3	16.7	87.0	12.2	42	57.2	1.0	-0.17	2.3	19.5
16.08	5.0E-04	0.00	75.2	1.21	7	64.5	22.2	86.7	14.6	40	54.7	1.0	-0.18	4.0	25.1
16.24	5.0E-04	0.00	67.7	1.68	7	58.5	33.1	91.5	18.5	40	51.9	1.0	-0.20	5.6	24.6
16.40	5.0E-05	0.00	57.4	2.08	7	50.0	44.0	94.0	22.5	40	47.4	10.0	-0.21	8.1	27.7
16.57	5.0E-05	0.00	52.7	2.46	7	46.2	55.9	102.1	25.5	38	45.1	10.0	-0.22	9.4	27.5
16.73	5.0E-05	0.00	48.1	2.59	7	42.5	62.4	104.9	27.3	38	42.7	6.0	-0.22	9.9	26.5
16.90	5.0E-06	0.00	40.3	3.13	6	35.9	95.2	131.1	32.2	UnDef	UnDef	6.0	UnDef	14.6	32.2
06	5.0E-06	0.00	35.5	3.16	6	31.8	113.9	145.7	34.3	UnDef	UnDef	6.0	UnDef	14.9	30.5
.22	5.0E-05	0.00	39.5	2.37	7	35.5	63.1	98.5	29.0	38	37.6	6.0	-0.18	9.3	23.2
17.39	5.0E-05	0.00	44.0	2.22	7	39.7	54.3	94.0	26.6	38	40.8	6.0	-0.19	8.8	24.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5050
CPT File: 315CP31.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	48.3	2.00	7	43.7	46.3	89.9	24.3	38	43.5	6.0	-0.19	8.1	25.2
17.72	5.0E-05	0.00	50.2	1.93	7	45.6	44.0	89.5	23.4	38	44.8	10.0	-0.19	7.9	25.8
17.88	5.0E-04	0.00	52.5	1.69	7	47.8	37.6	85.4	21.5	38	46.1	1.0	-0.18	5.9	21.5
18.04	5.0E-04	0.00	54.9	1.39	7	50.3	30.2	80.4	19.1	40	47.6	1.0	-0.16	5.0	21.4
18.21	5.0E-04	0.00	54.7	1.21	7	50.3	26.4	76.7	17.9	40	47.6	1.0	-0.15	4.5	20.9
18.37	5.0E-04	0.00	56.9	1.29	7	52.5	28.0	80.6	18.0	40	48.8	1.0	-0.16	4.8	21.9
18.54	5.0E-04	0.00	56.3	1.29	7	52.2	28.3	80.5	18.2	40	48.7	1.0	-0.16	4.8	21.8
18.70	5.0E-04	0.00	56.7	1.33	7	52.8	29.3	82.1	18.4	40	49.0	1.0	-0.16	4.9	22.2
18.86	5.0E-04	0.00	57.6	1.42	7	53.9	31.1	85.1	18.7	40	49.6	1.0	-0.17	5.2	22.8
19.03	5.0E-04	0.00	58.1	1.12	7	54.6	24.6	79.2	16.6	40	49.9	1.0	-0.15	4.3	22.1
19.19	5.0E-04	0.00	56.4	1.15	7	53.3	25.5	78.8	17.1	40	49.2	1.0	-0.15	4.4	21.8
19.36	5.0E-04	0.00	57.1	1.08	7	54.2	24.1	78.3	16.5	40	49.7	1.0	-0.14	4.2	21.9
19.52	5.0E-04	0.00	54.3	1.27	7	51.8	28.9	80.7	18.4	40	48.4	1.0	-0.15	4.9	21.8
19.68	5.0E-04	0.00	54.9	1.42	7	52.6	32.4	85.1	19.3	40	48.9	1.0	-0.16	5.4	22.5
19.85	5.0E-04	0.00	54.9	1.43	7	52.8	32.8	85.6	19.4	40	49.0	1.0	-0.16	5.4	22.6
20.01	5.0E-04	0.00	54.3	1.38	7	52.4	31.8	84.2	19.1	40	48.8	1.0	-0.16	5.3	22.4
20.18	5.0E-04	0.00	53.8	1.36	7	52.2	31.5	83.7	19.1	40	48.6	1.0	-0.16	5.2	22.3
20.34	5.0E-04	0.00	51.7	1.44	7	50.4	34.1	84.5	20.1	38	47.6	1.0	-0.16	5.6	22.0
20.51	5.0E-04	0.00	44.2	1.88	7	43.4	48.5	91.9	24.8	38	43.4	1.0	-0.17	7.0	21.1
20.67	5.0E-05	0.00	40.7	1.92	7	40.3	51.9	92.2	26.1	38	41.2	6.0	-0.16	8.6	24.3
20.83	5.0E-05	0.00	36.5	1.87	7	36.4	53.7	90.0	27.3	38	38.3	6.0	-0.15	8.5	22.7
21.00	5.0E-05	0.00	34.7	2.13	7	34.7	66.2	101.0	29.6	36	36.9	6.0	-0.16	9.5	23.0
21.16	5.0E-05	0.00	34.9	2.25	7	35.1	71.3	106.3	30.1	38	37.2	6.0	-0.16	9.9	23.6
21.33	5.0E-05	0.00	36.1	2.51	6	36.4	82.2	118.6	30.9	38	38.3	6.0	-0.18	10.9	25.2
21.49	5.0E-05	0.00	34.5	2.67	6	34.9	96.0	130.9	32.5	36	37.1	6.0	-0.18	11.6	25.3
21.65	5.0E-05	0.01	31.8	2.75	6	32.4	112.5	145.0	34.1	36	35.0	6.0	-0.18	12.0	24.7
21.82	5.0E-05	0.01	29.7	2.63	6	30.4	114.9	145.4	34.6	36	33.2	6.0	-0.16	11.7	23.6
21.98	5.0E-05	0.01	27.8	2.50	6	28.7	114.9	143.6	35.0	36	31.5	6.0	-0.15	11.2	22.5
22.15	5.0E-07	0.01	30.9	4.26	6	31.9	127.5	159.4	41.0	UnDef	UnDef	6.0	UnDef	20.8	41.6
.31	5.0E-06	0.01	31.5	3.33	6	32.6	130.5	163.1	36.9	UnDef	UnDef	6.0	UnDef	16.0	31.9
..47	5.0E-05	0.00	37.6	2.70	6	38.8	91.3	130.2	31.3	38	40.2	6.0	-0.20	11.9	27.1
22.64	5.0E-05	0.00	31.7	2.64	6	33.1	106.5	139.6	33.6	36	35.6	6.0	-0.17	11.8	24.8
22.80	5.0E-05	0.01	29.6	2.36	6	31.0	95.5	126.5	33.3	36	33.7	6.0	-0.15	10.9	23.0
22.97	5.0E-04	0.01	35.0	1.69	7	36.6	51.3	87.9	26.8	38	38.5	1.0	-0.13	6.9	18.8
23.13	5.0E-04	0.00	40.7	1.60	7	42.6	44.7	87.3	24.2	38	42.8	1.0	-0.14	6.5	20.5
23.29	5.0E-04	0.00	43.2	1.58	7	45.3	43.2	88.5	23.3	38	44.6	1.0	-0.15	6.5	21.3
23.46	5.0E-04	0.00	42.5	2.00	7	44.7	57.0	101.8	26.0	38	44.2	1.0	-0.17	7.9	22.5
23.62	5.0E-05	0.00	38.5	2.50	7	40.8	81.4	122.2	29.9	38	41.6	6.0	-0.19	11.4	27.4
23.79	5.0E-05	0.00	36.4	2.58	6	38.8	90.0	128.8	31.2	38	40.1	6.0	-0.19	11.8	27.0
23.95	5.0E-05	0.00	39.4	2.36	7	42.1	74.3	116.4	28.9	38	42.5	6.0	-0.18	10.9	27.4
24.11	5.0E-04	0.00	47.7	1.62	7	50.8	43.4	94.3	22.3	38	47.9	1.0	-0.16	6.7	23.3
24.28	5.0E-04	0.00	50.5	1.30	7	54.0	33.9	87.9	19.4	38	49.6	1.0	-0.15	5.6	23.2
24.44	5.0E-04	0.00	51.9	1.14	7	55.7	29.5	85.2	18.0	38	50.5	1.0	-0.14	5.0	23.2
24.61	5.0E-03	0.00	55.1	1.06	7	59.3	27.1	86.4	16.8	40	52.3	1.0	-0.14	3.5	18.0
24.77	5.0E-03	0.00	60.8	1.12	7	65.5	27.8	93.3	16.1	40	55.2	1.0	-0.15	3.7	19.7
24.93	5.0E-04	0.00	59.4	1.53	7	64.2	38.7	102.9	19.1	40	54.6	1.0	-0.18	6.4	27.4
25.10	5.0E-04	0.00	58.9	2.16	7	63.9	57.0	120.9	22.6	40	54.5	1.0	-0.22	8.7	29.6
25.26	5.0E-05	0.00	56.1	2.51	7	61.2	69.5	130.7	24.9	40	53.2	10.0	-0.23	11.9	35.9
25.43	5.0E-04	0.00	63.6	1.87	7	69.4	47.6	117.1	20.2	40	56.8	1.0	-0.21	7.7	30.4
25.59	5.0E-03	0.00	69.6	1.14	7	76.1	27.3	103.3	14.9	40	59.4	1.0	-0.16	3.7	22.3
25.75	5.0E-03	0.00	67.7	0.87	9	74.3	20.8	95.1	13.2	40	58.7	1.0	-0.14	2.9	21.1
25.92	5.0E-03	0.00	67.5	0.94	9	74.3	22.7	97.0	13.8	40	58.8	1.0	-0.14	3.1	21.3
26.08	5.0E-03	0.00	66.2	0.98	9	73.1	23.9	97.1	14.2	40	58.3	1.0	-0.15	3.3	21.2
26.25	5.0E-03	0.00	65.3	1.05	9	72.5	25.9	98.3	14.9	40	58.0	1.0	-0.15	3.5	21.2
26.41	5.0E-03	0.00	60.3	1.11	7	67.2	28.5	95.7	16.1	40	55.9	1.0	-0.15	3.8	20.2
26.57	5.0E-03	0.00	60.3	1.11	7	67.4	28.4	95.9	16.1	40	56.0	1.0	-0.15	3.8	20.3
26.74	5.0E-03	0.00	63.9	1.09	7	71.6	27.4	99.0	15.4	40	57.7	1.0	-0.15	3.7	21.2
26.90	5.0E-03	0.00	66.4	1.06	9	74.6	26.4	101.1	14.8	40	58.9	1.0	-0.15	3.6	21.8
27.07	5.0E-03	0.00	86.1	1.08	9	96.7	24.0	120.7	12.4	42	66.3	1.0	-0.18	3.4	27.0
27.23	5.0E-02	0.00	118.5	0.99	9	133.1	16.9	150.1	9.2	42	75.5	1.0	-0.20	2.0	28.0
27.39	5.0E-02	0.00	134.6	0.95	9	151.6	13.5	165.1	8.1	44	79.2	1.0	-0.21	1.6	31.3
56	5.0E+00	0.00	146.9	0.01	10	165.9	0.0	165.9	3.0	44	81.8	1.0	0.16	0.0	27.1
..72	5.0E+00	0.00	150.7	0.01	10	170.9	0.0	170.9	3.0	44	82.6	1.0	0.16	0.0	27.9

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-5094
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-32
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 10:43
CPT File: 315CP32.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.7	0.02	0.42	-0.2	1	74.5	0.01	0.01	0.00	2.00	2.3	4.5	0.38	0.00
0.33	5.6	0.02	0.36	-0.5	1	74.5	0.01	0.01	0.00	2.00	2.7	5.3	0.44	0.00
0.49	8.0	0.02	0.25	-0.5	1	74.5	0.02	0.02	0.00	2.00	3.8	7.6	0.64	0.00
0.66	9.3	0.02	0.22	-0.5	1	74.5	0.02	0.02	0.00	2.00	4.5	8.9	0.74	0.00
0.82	10.5	0.02	0.19	-0.5	6	98.7	0.03	0.03	0.00	2.00	4.0	8.1	0.84	0.00
0.98	14.5	0.02	0.14	-0.6	6	98.7	0.04	0.04	0.00	2.00	5.6	11.1	1.16	0.00
1.15	13.9	0.02	0.14	-0.4	6	98.7	0.05	0.05	0.00	2.00	5.3	10.6	1.11	0.00
31	10.9	0.02	0.18	0.1	6	98.7	0.06	0.06	0.00	2.00	4.2	8.4	0.87	0.00
..48	8.8	0.02	0.23	0.1	1	74.5	0.06	0.06	0.00	2.00	4.2	8.4	0.70	0.00
1.64	7.7	0.02	0.26	0.0	1	74.5	0.07	0.07	0.00	2.00	3.7	7.4	0.61	0.00
1.80	8.1	0.02	0.25	0.1	1	74.5	0.08	0.08	0.00	2.00	3.9	7.8	0.64	0.00
1.97	6.7	0.02	0.30	0.2	1	74.5	0.08	0.08	0.00	2.00	3.2	6.4	0.53	0.00
2.13	11.1	0.02	0.18	0.2	6	98.7	0.09	0.09	0.00	2.00	4.3	8.5	0.88	0.00
2.30	18.5	0.02	0.11	0.1	7	98.7	0.10	0.10	0.00	2.00	5.9	11.8	UnDef	0.08
2.46	29.2	0.04	0.14	0.0	7	98.7	0.10	0.10	0.00	2.00	9.3	18.6	UnDef	0.10
2.62	41.1	0.31	0.76	0.1	7	98.7	0.11	0.11	0.00	2.00	13.1	26.3	UnDef	0.13
2.79	46.3	0.74	1.60	0.2	7	98.7	0.12	0.12	0.00	2.00	14.8	29.6	UnDef	0.15
2.95	41.5	0.82	1.98	-0.1	6	98.7	0.13	0.13	0.00	2.00	15.9	31.8	3.31	0.14
3.12	41.6	0.70	1.69	-0.5	7	98.7	0.14	0.14	0.00	2.00	13.3	26.6	UnDef	0.14
3.28	41.3	0.68	1.65	-0.2	7	98.7	0.14	0.14	0.00	2.00	13.2	26.3	UnDef	0.14
3.44	32.0	0.76	2.38	-0.2	6	98.7	0.15	0.15	0.00	2.00	12.3	24.5	2.55	0.12
3.61	23.4	0.75	3.22	-0.7	5	85.3	0.16	0.16	0.00	2.00	11.2	22.4	1.86	0.00
3.77	17.2	0.59	3.43	-0.5	4	79.6	0.17	0.17	0.00	2.00	11.0	22.0	1.37	0.10
3.94	13.9	0.39	2.81	-1.1	5	85.3	0.17	0.17	0.00	2.00	6.7	13.3	1.10	0.09
4.10	11.2	0.27	2.41	-0.4	5	85.3	0.18	0.18	0.00	2.00	5.4	10.8	0.89	0.09
4.27	11.8	0.18	1.53	-0.3	5	85.3	0.19	0.19	0.00	2.00	5.7	11.3	0.93	0.08
4.43	15.8	0.16	1.02	-1.9	6	98.7	0.20	0.20	0.00	2.00	6.0	12.1	1.25	0.09
4.59	16.7	0.18	1.08	-0.3	6	98.7	0.20	0.20	0.00	2.00	6.4	12.8	1.32	0.09
4.76	16.2	0.24	1.48	0.0	6	98.7	0.21	0.21	0.00	2.00	6.2	12.4	1.28	0.09
4.92	17.9	0.29	1.63	0.3	6	98.7	0.22	0.22	0.00	2.00	6.9	13.7	1.41	0.09
5.09	19.2	0.33	1.72	0.3	6	98.7	0.23	0.23	0.00	2.00	7.4	14.7	1.52	0.09
5.25	18.3	0.33	1.80	0.2	6	98.7	0.24	0.24	0.00	2.00	7.0	14.0	1.45	0.09
5.41	18.2	0.33	1.82	0.6	6	98.7	0.24	0.24	0.00	2.00	7.0	13.9	1.44	0.10
5.58	17.1	0.36	2.11	0.8	5	85.3	0.25	0.25	0.00	1.99	8.2	16.3	1.35	0.10
5.74	14.6	0.34	2.34	-0.6	5	85.3	0.26	0.26	0.00	1.97	7.0	13.7	1.14	0.10
5.91	14.9	0.35	2.35	-1.9	5	85.3	0.27	0.27	0.00	1.94	7.2	13.9	1.17	0.10
6.07	14.9	0.33	2.22	-1.0	5	85.3	0.27	0.27	0.00	1.91	7.1	13.6	1.17	0.10
6.23	13.5	0.33	2.45	-0.1	5	85.3	0.28	0.28	0.00	1.89	6.5	12.2	1.06	0.10
..40	13.3	0.31	2.33	-1.2	5	85.3	0.29	0.29	0.00	1.87	6.4	11.9	1.04	0.10
56	13.9	0.31	2.23	-1.0	5	85.3	0.29	0.29	0.00	1.85	6.7	12.3	1.09	0.10
..73	13.9	0.33	2.38	-1.1	5	85.3	0.30	0.30	0.00	1.82	6.7	12.2	1.09	0.10
6.89	14.0	0.33	2.36	-1.2	5	85.3	0.31	0.31	0.00	1.80	6.7	12.1	1.09	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5094
CPT File: 315CP32.COR

pth .t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	12.1	0.29	2.41	-1.6	5	85.3	0.31	0.31	0.00	1.78	5.8	10.3	0.94	0.11
7.22	11.9	0.28	2.35	-1.4	5	85.3	0.32	0.32	0.00	1.76	5.7	10.1	0.93	0.10
7.38	14.2	0.30	2.12	-1.2	5	85.3	0.33	0.33	0.00	1.74	6.8	11.8	1.11	0.10
7.55	17.8	0.37	2.08	-1.0	6	98.7	0.34	0.34	0.00	1.72	6.8	11.8	1.40	0.10
7.71	16.7	0.39	2.34	-0.6	5	85.3	0.34	0.34	0.00	1.71	8.0	13.7	1.31	0.11
7.87	16.8	0.42	2.50	9.4	5	85.3	0.35	0.35	0.00	1.69	8.1	13.6	1.32	0.11
8.04	17.7	0.41	2.33	4.2	5	85.3	0.36	0.36	0.00	1.67	8.5	14.1	1.38	0.11
8.20	17.7	0.40	2.26	5.3	5	85.3	0.36	0.36	0.00	1.66	8.5	14.0	1.39	0.11
8.37	17.9	0.38	2.13	10.3	5	85.3	0.37	0.37	0.00	1.64	8.6	14.0	1.40	0.10
8.53	18.2	0.40	2.20	13.7	5	85.3	0.38	0.38	0.00	1.62	8.7	14.2	1.43	0.11
8.69	21.1	0.44	2.09	16.1	6	98.7	0.39	0.39	0.00	1.61	8.1	13.0	1.66	0.11
8.86	20.0	0.46	2.31	15.1	6	98.7	0.39	0.39	0.00	1.59	7.7	12.2	1.57	0.11
9.02	19.2	0.46	2.40	17.2	5	85.3	0.40	0.40	0.00	1.58	9.2	14.5	1.50	0.11
9.19	21.1	0.52	2.47	20.3	5	85.3	0.41	0.41	0.00	1.56	10.1	15.8	1.66	0.12
9.35	19.0	0.52	2.75	22.5	5	85.3	0.42	0.42	0.00	1.55	9.1	14.1	1.48	0.13
9.51	23.3	0.55	2.37	23.6	6	98.7	0.42	0.42	0.00	1.54	8.9	13.7	1.83	0.12
9.68	22.4	0.54	2.41	19.3	6	98.7	0.43	0.43	0.00	1.52	8.6	13.1	1.76	0.12
9.84	22.3	0.59	2.65	21.2	5	85.3	0.44	0.44	0.00	1.51	10.7	16.1	1.75	0.13
10.01	21.7	0.52	2.40	19.8	6	98.7	0.45	0.45	0.00	1.50	8.3	12.5	1.70	0.12
10.17	19.7	0.50	2.54	11.9	5	85.3	0.45	0.45	0.00	1.48	9.4	14.0	1.54	0.13
10.33	20.0	0.46	2.31	13.9	6	98.7	0.46	0.46	0.00	1.47	7.7	11.3	1.56	0.12
10.50	18.9	0.44	2.34	15.1	5	85.3	0.47	0.47	0.00	1.46	9.0	13.2	1.47	0.12
10.66	21.0	0.44	2.10	19.3	6	98.7	0.48	0.48	0.00	1.45	8.1	11.7	1.65	0.11
10.83	21.7	0.50	2.31	18.0	6	98.7	0.48	0.48	0.00	1.44	8.3	11.9	1.70	0.12
10.99	22.2	0.52	2.35	20.2	6	98.7	0.49	0.49	0.00	1.42	8.5	12.1	1.74	0.12
11.15	26.2	0.48	1.83	22.4	6	98.7	0.50	0.50	0.00	1.41	10.0	14.2	2.06	0.11
11.32	34.8	0.50	1.44	4.6	7	98.7	0.51	0.51	0.00	1.40	11.1	15.6	UnDef	0.11
11.48	36.3	0.63	1.74	1.7	6	98.7	0.52	0.52	0.00	1.39	13.9	19.3	2.86	0.12
11.65	35.7	0.59	1.66	-1.2	6	98.7	0.53	0.53	0.00	1.38	13.7	18.9	2.81	0.12
.81	39.9	0.53	1.33	-1.3	7	98.7	0.53	0.53	0.00	1.37	12.7	17.4	UnDef	0.12
..97	41.5	0.38	0.92	-1.2	7	98.7	0.54	0.54	0.00	1.36	13.2	18.0	UnDef	0.11
12.14	47.1	0.33	0.70	-1.4	7	98.7	0.55	0.55	0.00	1.35	15.0	20.3	UnDef	0.11
12.30	43.5	0.35	0.81	-1.3	7	98.7	0.56	0.56	0.00	1.34	13.9	18.6	UnDef	0.11
12.47	41.9	0.36	0.86	-1.2	7	98.7	0.57	0.57	0.00	1.33	13.4	17.8	UnDef	0.11
12.63	42.6	0.36	0.85	-1.2	7	98.7	0.57	0.57	0.00	1.32	13.6	18.0	UnDef	0.11
12.80	45.8	0.39	0.85	-1.1	7	98.7	0.58	0.58	0.00	1.31	14.6	19.2	UnDef	0.11
12.96	50.8	0.46	0.91	-1.0	7	98.7	0.59	0.59	0.00	1.30	16.2	21.1	UnDef	0.12
13.12	56.9	0.48	0.85	-0.9	8	101.8	0.60	0.60	0.00	1.29	13.6	17.6	UnDef	0.13
13.29	54.9	0.50	0.91	-1.0	7	98.7	0.61	0.61	0.00	1.28	17.5	22.5	UnDef	0.13
13.45	55.1	0.52	0.95	-0.7	7	98.7	0.61	0.61	0.00	1.28	17.6	22.4	UnDef	0.13
13.62	57.8	0.53	0.92	-0.8	7	98.7	0.62	0.62	0.00	1.27	18.5	23.4	UnDef	0.14
13.78	52.8	0.53	1.01	-0.6	7	98.7	0.63	0.63	0.00	1.26	16.9	21.2	UnDef	0.13
13.94	50.5	0.53	1.05	-0.8	7	98.7	0.64	0.64	0.00	1.25	16.1	20.2	UnDef	0.13
14.11	52.1	0.69	1.33	-0.8	7	98.7	0.65	0.65	0.00	1.24	16.6	20.7	UnDef	0.14
14.27	56.9	0.76	1.34	-1.1	7	98.7	0.66	0.66	0.00	1.24	18.2	22.4	UnDef	0.15
14.44	64.2	0.80	1.25	-0.9	7	98.7	0.66	0.66	0.00	1.23	20.5	25.2	UnDef	0.17
14.60	70.7	0.65	0.92	-0.7	8	101.8	0.67	0.67	0.00	1.22	16.9	20.7	UnDef	0.16
14.76	85.3	0.74	0.87	-0.7	8	101.8	0.68	0.68	0.00	1.21	20.4	24.8	UnDef	0.21
14.93	97.9	0.94	0.96	-0.6	8	101.8	0.69	0.69	0.00	1.21	23.4	28.3	UnDef	0.26
15.09	109.7	1.21	1.11	-0.6	8	101.8	0.70	0.70	0.00	1.20	26.3	31.5	UnDef	0.34
15.26	122.1	1.46	1.20	-0.6	8	101.8	0.70	0.70	0.00	1.19	29.2	34.8	UnDef	0.42
15.42	129.4	1.68	1.30	-0.6	8	101.8	0.71	0.71	0.00	1.18	31.0	36.7	UnDef	0.00
15.58	129.5	1.80	1.39	-0.7	8	101.8	0.72	0.72	0.00	1.18	31.0	36.5	UnDef	0.00
15.75	126.3	1.82	1.44	-0.6	8	101.8	0.73	0.73	0.00	1.17	30.2	35.4	UnDef	0.00
15.91	123.0	1.67	1.36	-0.5	8	101.8	0.74	0.74	0.00	1.16	29.4	34.3	UnDef	0.44
16.08	120.0	1.56	1.30	-0.4	8	101.8	0.75	0.75	0.00	1.16	28.7	33.2	UnDef	0.41
16.24	120.1	1.51	1.26	-0.3	8	101.8	0.76	0.76	0.00	1.15	28.8	33.1	UnDef	0.40
16.40	109.7	1.47	1.34	-0.2	8	101.8	0.76	0.76	0.00	1.14	26.3	30.1	UnDef	0.35
16.57	101.9	1.30	1.28	0.0	8	101.8	0.77	0.77	0.00	1.14	24.4	27.8	UnDef	0.30
16.73	98.6	1.16	1.18	-0.1	8	101.8	0.78	0.78	0.00	1.13	23.6	26.7	UnDef	0.27
16.90	86.9	1.00	1.15	0.0	8	101.8	0.79	0.79	0.00	1.13	20.8	23.4	UnDef	0.22
06	70.7	0.88	1.25	0.0	7	98.7	0.80	0.80	0.00	1.12	22.6	25.3	UnDef	0.17
..22	60.9	0.80	1.32	0.0	7	98.7	0.80	0.80	0.00	1.11	19.5	21.7	UnDef	0.15
17.39	58.8	0.90	1.53	-0.1	7	98.7	0.81	0.81	0.00	1.11	18.8	20.8	UnDef	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5094
CPT File: 315CP32.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	62.3	1.02	1.64	-0.4	7	98.7	0.82	0.82	0.00	1.10	19.9	21.9	UnDef	0.17
17.72	67.7	1.10	1.63	-0.1	7	98.7	0.83	0.83	0.00	1.10	21.6	23.7	UnDef	0.19
17.88	101.4	1.06	1.05	0.0	8	101.8	0.84	0.84	0.00	1.09	24.3	26.5	UnDef	0.26
18.04	92.3	1.26	1.37	0.2	8	101.8	0.85	0.85	0.00	1.09	22.1	24.0	UnDef	0.25
18.21	80.5	1.42	1.77	0.1	7	98.7	0.85	0.85	0.00	1.08	25.7	27.8	UnDef	0.24
18.37	79.2	1.48	1.87	0.2	7	98.7	0.86	0.86	0.00	1.08	25.3	27.2	UnDef	0.25
18.54	79.4	1.34	1.69	-0.3	7	98.7	0.87	0.87	0.00	1.07	25.3	27.2	UnDef	0.23
18.70	83.6	1.09	1.31	0.3	8	101.8	0.88	0.88	0.00	1.07	20.0	21.4	UnDef	0.21
18.86	85.7	1.06	1.24	0.2	8	101.8	0.89	0.89	0.00	1.06	20.5	21.8	UnDef	0.21
19.03	78.6	1.20	1.53	0.3	7	98.7	0.89	0.89	0.00	1.06	25.1	26.5	UnDef	0.21
19.19	80.3	1.05	1.31	0.1	8	101.8	0.90	0.90	0.00	1.05	19.2	20.2	UnDef	0.20
19.36	70.8	0.92	1.30	0.4	7	98.7	0.91	0.91	0.00	1.05	22.6	23.7	UnDef	0.17
19.52	68.7	0.86	1.26	0.4	7	98.7	0.92	0.92	0.00	1.04	21.9	22.9	UnDef	0.16
19.68	67.1	0.96	1.43	0.4	7	98.7	0.93	0.93	0.00	1.04	21.4	22.3	UnDef	0.17
19.85	66.2	0.96	1.45	0.6	7	98.7	0.94	0.94	0.00	1.03	21.1	21.8	UnDef	0.17
20.01	67.2	0.95	1.42	0.5	7	98.7	0.94	0.94	0.00	1.03	21.5	22.1	UnDef	0.17
20.18	67.0	0.89	1.33	0.6	7	98.7	0.95	0.95	0.00	1.03	21.4	21.9	UnDef	0.16
20.34	60.9	1.18	1.94	0.6	7	98.7	0.96	0.96	0.00	1.02	19.4	19.8	UnDef	0.19
20.51	54.3	1.17	2.16	0.8	6	98.7	0.97	0.97	0.00	1.02	20.8	21.1	4.27	0.20
20.67	52.1	1.16	2.23	0.8	6	98.7	0.98	0.98	0.00	1.01	20.0	20.2	4.09	0.20
20.83	49.6	1.05	2.12	0.7	6	98.7	0.98	0.98	0.00	1.01	19.0	19.2	3.89	0.18
21.00	39.7	1.00	2.53	1.1	6	98.7	0.99	0.99	0.00	1.00	15.2	15.3	3.09	0.24
21.16	32.6	0.97	2.98	2.4	5	85.3	1.00	1.00	0.00	1.00	15.6	15.6	2.53	0.46
21.33	32.3	0.74	2.30	3.7	6	98.7	1.01	1.01	0.00	1.00	12.4	12.3	2.50	0.24
21.49	39.6	0.70	1.77	3.9	6	98.7	1.02	1.02	0.00	0.99	15.2	15.1	3.09	0.15
21.65	44.3	0.75	1.70	1.0	7	98.7	1.02	1.02	0.00	0.99	14.2	14.0	UnDef	0.15
21.82	48.5	0.82	1.70	0.3	7	98.7	1.03	1.03	0.00	0.98	15.5	15.2	UnDef	0.15
21.98	49.8	0.88	1.77	0.6	7	98.7	1.04	1.04	0.00	0.98	15.9	15.6	UnDef	0.16
22.15	51.4	0.79	1.54	0.8	7	98.7	1.05	1.05	0.00	0.98	16.4	16.0	UnDef	0.15
.31	52.7	0.78	1.48	0.6	7	98.7	1.06	1.06	0.00	0.97	16.8	16.4	UnDef	0.14
..47	56.0	0.67	1.20	0.8	7	98.7	1.06	1.06	0.00	0.97	17.9	17.3	UnDef	0.13
22.64	52.6	0.61	1.16	0.5	7	98.7	1.07	1.07	0.00	0.97	16.8	16.2	UnDef	0.13
22.80	56.0	0.61	1.09	0.4	7	98.7	1.08	1.08	0.00	0.96	17.9	17.2	UnDef	0.13
22.97	57.8	0.67	1.16	0.5	7	98.7	1.09	1.09	0.00	0.96	18.4	17.7	UnDef	0.14
23.13	58.3	0.71	1.22	0.4	7	98.7	1.10	1.10	0.00	0.96	18.6	17.8	UnDef	0.14
23.29	55.9	0.72	1.29	0.3	7	98.7	1.10	1.10	0.00	0.95	17.8	17.0	UnDef	0.14
23.46	51.4	0.67	1.31	0.7	7	98.7	1.11	1.11	0.00	0.95	16.4	15.6	UnDef	0.13
23.62	45.6	0.70	1.54	0.4	7	98.7	1.12	1.12	0.00	0.94	14.6	13.8	UnDef	0.14
23.79	40.4	0.76	1.88	0.6	6	98.7	1.13	1.13	0.00	0.94	15.5	14.6	3.14	0.17
23.95	37.6	0.86	2.29	0.7	6	98.7	1.14	1.14	0.00	0.94	14.4	13.5	2.91	0.26
24.11	37.2	0.85	2.29	2.5	6	98.7	1.14	1.14	0.00	0.93	14.2	13.3	2.88	0.26
24.28	36.1	0.82	2.28	5.4	6	98.7	1.15	1.15	0.00	0.93	13.8	12.9	2.79	0.28
24.44	33.4	0.76	2.28	8.4	6	98.7	1.16	1.16	0.00	0.93	12.8	11.9	2.58	0.33
24.61	32.6	0.70	2.15	10.6	6	98.7	1.17	1.17	0.00	0.92	12.5	11.6	2.52	0.29
24.77	33.1	0.66	2.00	12.1	6	98.7	1.18	1.18	0.00	0.92	12.7	11.7	2.55	0.24
24.93	34.7	0.75	2.17	13.4	6	98.7	1.19	1.19	0.00	0.92	13.3	12.2	2.68	0.28
25.10	37.4	0.69	1.85	14.3	6	98.7	1.19	1.19	0.00	0.92	14.3	13.1	2.90	0.18
25.26	37.4	0.83	2.22	16.0	6	98.7	1.20	1.20	0.00	0.91	14.3	13.1	2.90	0.27
25.43	33.5	0.71	2.12	8.5	6	98.7	1.21	1.21	0.00	0.91	12.8	11.7	2.58	0.30
25.59	34.2	0.65	1.90	7.0	6	98.7	1.22	1.22	0.00	0.91	13.1	11.9	2.64	0.22
25.75	42.2	0.78	1.85	3.2	6	98.7	1.23	1.23	0.00	0.90	16.2	14.6	3.28	0.18
25.92	42.8	0.89	2.08	1.0	6	98.7	1.23	1.23	0.00	0.90	16.4	14.8	3.33	0.22
26.08	38.5	0.92	2.40	8.3	6	98.7	1.24	1.24	0.00	0.90	14.7	13.2	2.98	0.36
26.25	42.5	0.85	2.01	10.1	6	98.7	1.25	1.25	0.00	0.89	16.3	14.5	3.30	0.21
26.41	53.8	0.84	1.56	5.4	7	98.7	1.26	1.26	0.00	0.89	17.2	15.3	UnDef	0.16
26.57	64.1	0.95	1.48	0.9	7	98.7	1.27	1.27	0.00	0.89	20.5	18.2	UnDef	0.17
26.74	64.9	0.95	1.47	0.2	7	98.7	1.27	1.27	0.00	0.89	20.7	18.4	UnDef	0.17
26.90	66.9	0.93	1.39	0.3	7	98.7	1.28	1.28	0.00	0.88	21.4	18.9	UnDef	0.16
27.07	69.0	0.86	1.25	0.2	7	98.7	1.29	1.29	0.00	0.88	22.0	19.4	UnDef	0.16
27.23	69.2	0.90	1.30	0.2	7	98.7	1.30	1.30	0.00	0.88	22.1	19.4	UnDef	0.16
27.39	71.2	1.20	1.69	0.2	7	98.7	1.31	1.31	0.00	0.87	22.7	19.9	UnDef	0.20
56	65.2	1.50	2.31	0.2	6	98.7	1.31	1.31	0.00	0.87	25.0	21.8	5.11	0.27
..72	59.9	1.62	2.71	-0.3	6	98.7	1.32	1.32	0.00	0.87	22.9	19.9	4.68	0.36
27.89	63.9	1.44	2.26	0.0	6	98.7	1.33	1.33	0.00	0.87	24.5	21.2	5.00	0.26

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5094
CPT File: 315CP32.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	71.8	1.20	1.68	0.3	7	98.7	1.34	1.34	0.00	0.86	22.9	19.8	UnDef	0.20
28.21	80.3	1.00	1.25	0.2	8	101.8	1.35	1.35	0.00	0.86	19.2	16.6	UnDef	0.18
28.38	79.2	1.06	1.34	0.2	8	101.8	1.36	1.36	0.00	0.86	19.0	16.3	UnDef	0.18
28.54	75.9	1.11	1.47	0.0	7	98.7	1.36	1.36	0.00	0.86	24.2	20.7	UnDef	0.19
28.71	81.1	1.27	1.57	0.1	7	98.7	1.37	1.37	0.00	0.85	25.9	22.1	UnDef	0.21
28.87	79.5	1.28	1.61	-0.1	7	98.7	1.38	1.38	0.00	0.85	25.4	21.6	UnDef	0.21
29.04	76.1	1.36	1.79	0.1	7	98.7	1.39	1.39	0.00	0.85	24.3	20.6	UnDef	0.22
29.20	78.4	1.60	2.05	0.3	7	98.7	1.40	1.40	0.00	0.85	25.0	21.2	UnDef	0.26
29.36	103.6	1.80	1.74	0.2	7	98.7	1.40	1.40	0.00	0.84	33.1	27.9	UnDef	0.29
29.53	154.1	2.23	1.44	0.2	8	101.8	1.41	1.41	0.00	0.84	36.9	31.1	UnDef	0.00
29.69	172.7	2.36	1.36	0.3	8	101.8	1.42	1.42	0.00	0.84	41.4	34.7	UnDef	0.00
29.86	184.2	2.38	1.29	0.2	8	101.8	1.43	1.43	0.00	0.84	44.1	36.9	UnDef	0.00
30.02	188.8	0.02	0.01	0.2	10	127.3	1.44	1.44	0.00	0.83	30.1	25.1	UnDef	0.42
30.18	187.4	0.02	0.01	0.3	10	127.3	1.45	1.45	0.00	0.83	29.9	24.8	UnDef	0.41

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5094
'ob No: 99-315
ient: Stone & Webster Engineering
.roject: Private Fuel Storage Faclity
Site: CPT-32
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 10:43
CPT File: 315CP32.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	773.4	0.42	10	9.1	0.0	9.1	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.5
0.33	1.7E-07	0.00	453.4	0.36	10	10.6	0.0	10.6	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.3
0.49	1.7E-07	0.00	434.8	0.25	10	15.3	0.0	15.3	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.6
0.66	1.7E-07	0.00	380.4	0.22	10	17.9	0.0	17.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	8.9
0.82	5.0E-05	0.00	333.0	0.19	10	20.2	0.0	20.2	0.0	48	51.7	10.0	-0.15	0.0	8.1
0.98	5.0E-05	0.00	365.0	0.14	10	27.8	0.0	27.8	0.0	48	57.6	10.0	-0.13	0.0	11.1
1.15	5.0E-05	0.00	289.5	0.15	10	26.6	0.0	26.6	0.0	46	53.6	10.0	-0.12	0.0	10.6
1.31	5.0E-05	0.00	194.8	0.18	10	20.9	0.0	20.9	0.2	44	44.6	10.0	-0.10	0.0	8.4
.48	1.7E-07	0.00	138.1	0.23	9	16.8	0.0	16.8	2.2	UnDef	UnDef	10.0	UnDef	0.0	8.4
..64	1.7E-07	0.00	111.0	0.26	9	14.8	0.0	14.8	3.7	UnDef	UnDef	10.0	UnDef	0.0	7.4
1.80	1.7E-07	0.00	106.9	0.25	9	15.5	0.0	15.5	3.8	UnDef	UnDef	10.0	UnDef	0.0	7.8
1.97	1.7E-07	0.00	81.6	0.30	9	12.8	0.0	12.8	5.0	UnDef	UnDef	10.0	UnDef	0.0	6.4
2.13	5.0E-05	0.00	124.9	0.18	9	21.3	0.0	21.3	2.2	42	38.5	10.0	-0.06	0.0	8.5
2.30	5.0E-04	0.00	191.1	0.11	10	35.5	0.0	35.5	0.0	44	51.8	1.0	-0.06	0.0	11.8
2.46	5.0E-04	0.00	278.3	0.14	10	55.9	0.0	55.9	0.0	46	63.7	1.0	-0.11	0.0	18.6
2.62	5.0E-04	0.00	364.3	0.76	9	78.8	0.0	78.8	1.8	48	72.5	1.0	-0.28	0.0	26.3
2.79	5.0E-04	0.00	382.7	1.61	9	88.7	1.8	90.5	5.7	48	74.9	1.0	-0.37	0.4	29.9
2.95	5.0E-05	0.00	321.4	1.99	9	79.5	7.1	86.6	8.1	46	70.8	10.0	-0.39	1.7	33.5
3.12	5.0E-04	0.00	302.8	1.69	9	79.7	4.9	84.5	7.2	46	70.0	1.0	-0.36	1.0	27.5
3.28	5.0E-04	0.00	283.6	1.66	9	79.0	5.3	84.3	7.3	46	69.0	1.0	-0.35	1.1	27.4
3.44	5.0E-05	0.00	208.1	2.39	9	61.3	14.5	75.8	12.2	46	60.9	10.0	-0.38	3.3	27.9
3.61	5.0E-06	0.00	144.5	3.24	12	44.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.77	5.0E-07	0.00	102.1	3.46	7	33.0	27.6	60.6	22.0	UnDef	UnDef	10.0	UnDef	8.8	30.8
3.94	5.0E-06	0.00	78.9	2.84	7	26.7	23.2	49.8	22.4	UnDef	UnDef	10.0	UnDef	5.5	18.8
4.10	5.0E-06	0.00	61.1	2.45	7	21.5	21.3	42.8	23.6	UnDef	UnDef	10.0	UnDef	4.9	15.6
4.27	5.0E-06	0.00	61.8	1.55	7	22.6	13.1	35.8	18.8	UnDef	UnDef	10.0	UnDef	3.4	14.7
4.43	5.0E-05	0.00	79.6	1.03	9	30.2	8.0	38.2	12.8	42	37.1	10.0	-0.17	1.8	13.9
4.59	5.0E-05	0.00	80.8	1.10	9	31.9	8.9	40.8	13.1	42	38.1	10.0	-0.18	2.0	14.8
4.76	5.0E-05	0.00	75.6	1.50	7	31.1	13.5	44.6	16.3	40	36.8	10.0	-0.20	2.9	15.3
4.92	5.0E-05	0.00	80.3	1.65	7	34.3	15.3	49.5	16.6	42	39.0	10.0	-0.22	3.3	17.0
5.09	5.0E-05	0.00	83.3	1.74	7	36.8	16.8	53.6	16.7	42	40.6	10.0	-0.23	3.6	18.3
5.25	5.0E-05	0.00	76.6	1.83	7	35.1	18.7	53.8	18.0	40	38.7	10.0	-0.22	3.9	17.9
5.41	5.0E-05	0.00	73.5	1.84	7	34.9	19.7	54.6	18.5	40	38.0	10.0	-0.22	4.1	18.0
5.58	5.0E-06	0.00	67.0	2.14	7	32.8	24.6	57.4	21.0	UnDef	UnDef	10.0	UnDef	6.0	22.3
5.74	5.0E-06	0.00	55.3	2.38	7	27.9	30.4	58.3	24.5	UnDef	UnDef	10.0	UnDef	6.6	20.3
5.91	5.0E-06	0.00	55.2	2.39	7	28.4	31.1	59.4	24.6	UnDef	UnDef	10.0	UnDef	6.7	20.6
6.07	5.0E-06	0.00	53.6	2.26	7	27.9	29.8	57.6	24.3	UnDef	UnDef	10.0	UnDef	6.5	20.2
6.23	5.0E-06	0.00	47.2	2.51	7	24.9	36.1	61.1	27.2	UnDef	UnDef	6.0	UnDef	7.2	19.4
6.40	5.0E-06	0.00	45.5	2.38	7	24.4	34.8	59.2	27.0	UnDef	UnDef	6.0	UnDef	6.9	18.9
‹.56	5.0E-06	0.00	46.4	2.28	7	25.1	33.0	58.2	26.3	UnDef	UnDef	6.0	UnDef	6.8	19.1
73	5.0E-06	0.00	45.3	2.43	7	24.8	36.7	61.5	27.3	UnDef	UnDef	6.0	UnDef	7.2	19.4
..89	5.0E-06	0.00	44.5	2.42	7	24.7	37.3	61.9	27.5	UnDef	UnDef	6.0	UnDef	7.3	19.4

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pth .rt)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.00	37.3	2.47	6	21.0	43.7	64.8	30.3	UnDef	UnDef	6.0	UnDef	7.5	17.8
7.22	5.0E-06	0.00	36.1	2.42	6	20.6	43.8	64.4	30.5	UnDef	UnDef	6.0	UnDef	7.5	17.5
7.38	5.0E-06	0.00	42.1	2.17	7	24.2	34.4	58.6	27.0	UnDef	UnDef	6.0	UnDef	6.9	18.7
7.55	5.0E-05	0.00	52.0	2.12	7	30.1	30.9	61.0	24.0	38	32.8	10.0	-0.20	5.5	17.2
7.71	5.0E-06	0.00	47.7	2.38	7	27.9	37.3	65.3	26.4	UnDef	UnDef	6.0	UnDef	7.6	21.3
7.87	5.0E-06	0.02	47.0	2.55	7	27.8	41.5	69.4	27.4	UnDef	UnDef	6.0	UnDef	8.2	21.8
8.04	5.0E-06	0.01	48.3	2.38	7	28.9	37.7	66.6	26.2	UnDef	UnDef	6.0	UnDef	7.7	21.9
8.20	5.0E-06	0.01	47.6	2.31	7	28.7	37.0	65.7	26.1	UnDef	UnDef	6.0	UnDef	7.6	21.7
8.37	5.0E-06	0.02	47.1	2.18	7	28.7	34.8	63.5	25.5	UnDef	UnDef	6.0	UnDef	7.3	21.4
8.53	5.0E-06	0.02	47.1	2.25	7	29.0	36.6	65.6	25.9	UnDef	UnDef	6.0	UnDef	7.6	21.8
8.69	5.0E-05	0.02	53.6	2.13	7	33.2	32.9	66.1	23.6	40	35.7	10.0	-0.20	5.9	18.9
8.86	5.0E-05	0.02	49.7	2.35	7	31.2	38.6	69.8	25.7	38	33.9	6.0	-0.21	6.5	18.7
9.02	5.0E-06	0.03	46.7	2.46	7	29.6	42.4	72.0	27.1	UnDef	UnDef	6.0	UnDef	8.4	22.9
9.19	5.0E-06	0.03	50.6	2.52	7	32.3	42.5	74.8	26.3	UnDef	UnDef	10.0	UnDef	8.7	24.5
9.35	5.0E-06	0.04	44.6	2.81	6	28.8	53.6	82.3	29.4	UnDef	UnDef	6.0	UnDef	9.7	23.7
9.51	5.0E-05	0.03	54.0	2.41	7	35.0	39.9	74.9	24.9	40	37.2	10.0	-0.22	6.8	20.6
9.68	5.0E-05	0.03	51.0	2.46	7	33.4	42.3	75.7	25.9	38	35.9	10.0	-0.22	7.0	20.1
9.84	5.0E-06	0.03	49.9	2.70	7	33.0	48.8	81.7	27.3	UnDef	UnDef	6.0	UnDef	9.6	25.7
10.01	5.0E-05	0.03	47.7	2.45	7	31.8	44.0	75.9	26.7	38	34.5	6.0	-0.21	7.1	19.6
10.17	5.0E-06	0.02	42.4	2.60	7	28.7	51.5	80.1	29.1	UnDef	UnDef	6.0	UnDef	9.4	23.4
10.33	5.0E-05	0.02	42.3	2.36	7	28.8	45.5	74.3	27.9	38	31.6	6.0	-0.19	7.0	18.3
10.50	5.0E-06	0.03	39.2	2.40	7	26.9	49.2	76.1	29.2	UnDef	UnDef	6.0	UnDef	8.9	22.1
10.66	5.0E-05	0.03	43.1	2.14	7	29.8	40.4	70.2	26.5	38	32.6	6.0	-0.18	6.6	18.2
10.83	5.0E-05	0.03	43.7	2.37	7	30.5	45.8	76.3	27.5	38	33.2	6.0	-0.19	7.2	19.1
10.99	5.0E-05	0.03	44.0	2.40	7	30.9	47.0	77.9	27.6	38	33.6	6.0	-0.19	7.3	19.4
11.15	5.0E-05	0.03	51.3	1.87	7	36.3	32.8	69.0	22.8	38	38.2	10.0	-0.18	6.0	20.2
11.32	5.0E-04	0.00	67.3	1.46	7	47.7	23.3	71.0	17.3	40	46.1	1.0	-0.19	4.0	19.6
11.48	5.0E-05	0.00	69.2	1.77	7	49.4	28.7	78.1	18.8	40	47.1	10.0	-0.21	5.8	25.1
11.65	5.0E-05	0.00	66.9	1.68	7	48.2	27.6	75.8	18.6	40	46.4	10.0	-0.20	5.6	24.4
.81	5.0E-04	0.00	73.7	1.35	7	53.4	21.3	74.7	15.7	40	49.3	1.0	-0.19	3.8	21.2
..97	5.0E-04	0.00	75.5	0.93	9	55.1	14.0	69.1	12.6	40	50.2	1.0	-0.15	2.6	20.6
12.14	5.0E-04	0.00	84.6	0.71	9	62.1	9.3	71.4	9.9	42	53.6	1.0	-0.14	1.8	22.1
12.30	5.0E-04	0.00	77.0	0.82	9	57.0	12.1	69.1	11.6	40	51.2	1.0	-0.14	2.3	20.9
12.47	5.0E-04	0.00	73.0	0.87	9	54.5	13.6	68.1	12.5	40	49.9	1.0	-0.15	2.5	20.3
12.63	5.0E-04	0.00	73.2	0.86	9	55.0	13.4	68.4	12.3	40	50.2	1.0	-0.14	2.5	20.5
12.80	5.0E-04	0.00	77.7	0.86	9	58.7	13.1	71.9	11.8	40	52.0	1.0	-0.15	2.5	21.6
12.96	5.0E-04	0.00	85.2	0.92	9	64.8	13.4	78.2	11.4	42	54.8	1.0	-0.16	2.5	23.7
13.12	5.0E-03	0.00	94.1	0.85	9	72.0	11.4	83.4	10.1	42	57.9	1.0	-0.17	1.6	19.3
13.29	5.0E-04	0.00	89.5	0.92	9	69.0	13.2	82.2	11.0	42	56.6	1.0	-0.17	2.5	25.0
13.45	5.0E-04	0.00	88.6	0.96	9	68.7	14.1	82.8	11.4	42	56.5	1.0	-0.17	2.7	25.1
13.62	5.0E-04	0.00	91.8	0.93	9	71.7	13.3	85.0	10.9	42	57.7	1.0	-0.17	2.5	25.9
13.78	5.0E-04	0.00	82.7	1.02	9	65.1	16.0	81.1	12.4	42	55.0	1.0	-0.17	3.0	24.2
13.94	5.0E-04	0.00	78.0	1.07	9	61.8	17.5	79.3	13.3	40	53.5	1.0	-0.17	3.2	23.4
14.11	5.0E-04	0.00	79.5	1.35	7	63.3	22.8	86.1	14.9	42	54.2	1.0	-0.19	4.1	24.8
14.27	5.0E-04	0.00	85.9	1.35	9	68.8	22.5	91.3	14.2	42	56.6	1.0	-0.20	4.1	26.5
14.44	5.0E-04	0.00	95.8	1.26	9	77.1	19.9	97.1	12.7	42	59.8	1.0	-0.21	3.7	28.9
14.60	5.0E-03	0.00	104.3	0.93	9	84.5	12.5	96.9	9.8	42	62.4	1.0	-0.18	1.8	22.5
14.76	5.0E-03	0.00	124.4	0.88	9	101.2	9.3	110.5	8.1	42	67.6	1.0	-0.20	1.4	26.1
14.93	5.0E-03	0.00	141.3	0.97	9	115.5	9.6	125.1	7.9	44	71.4	1.0	-0.22	1.4	29.7
15.09	5.0E-03	0.00	156.5	1.11	9	128.6	11.5	140.1	8.1	44	74.5	1.0	-0.24	1.7	33.2
15.26	5.0E-03	0.00	172.2	1.21	9	142.3	12.3	154.6	8.0	44	77.4	1.0	-0.26	1.8	36.6
15.42	5.0E-03	0.00	180.4	1.31	9	150.0	14.2	164.2	8.2	44	78.9	1.0	-0.27	2.1	38.8
15.58	5.0E-03	0.00	178.4	1.40	9	149.2	16.8	166.0	8.8	44	78.7	1.0	-0.28	2.5	39.0
15.75	5.0E-03	0.00	172.0	1.45	9	144.7	18.7	163.4	9.3	44	77.9	1.0	-0.28	2.7	38.1
15.91	5.0E-03	0.00	165.5	1.37	9	140.0	17.3	157.3	9.1	44	76.9	1.0	-0.27	2.5	36.8
16.08	5.0E-03	0.00	159.7	1.31	9	135.9	16.5	152.3	9.1	44	76.1	1.0	-0.26	2.4	35.7
16.24	5.0E-03	0.00	158.1	1.27	9	135.3	15.6	150.9	8.9	44	75.9	1.0	-0.26	2.3	35.4
16.40	5.0E-03	0.00	142.7	1.35	9	122.9	19.2	142.0	10.1	44	73.2	1.0	-0.25	2.8	32.8
16.57	5.0E-03	0.00	131.0	1.29	9	113.5	18.8	132.3	10.3	44	70.9	1.0	-0.24	2.7	30.5
16.73	5.0E-03	0.00	125.4	1.19	9	109.2	17.1	126.3	10.1	44	69.8	1.0	-0.23	2.5	29.2
16.90	5.0E-03	0.00	109.3	1.16	9	95.8	18.2	114.0	11.0	42	66.1	1.0	-0.21	2.6	26.0
06	5.0E-04	0.00	87.7	1.26	9	77.5	22.7	100.1	13.5	42	60.0	1.0	-0.20	4.2	29.4
..22	5.0E-04	0.00	74.7	1.33	7	66.5	25.7	92.2	15.4	40	55.6	1.0	-0.19	4.6	26.3
17.39	5.0E-04	0.00	71.4	1.55	7	63.9	31.0	94.8	17.2	40	54.4	1.0	-0.20	5.4	26.2

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pth .t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	74.9	1.66	7	67.3	33.2	100.4	17.4	40	55.9	1.0	-0.21	5.7	27.7
17.72	5.0E-04	0.00	80.6	1.65	7	72.7	32.4	105.1	16.5	42	58.1	1.0	-0.22	5.7	29.4
17.88	5.0E-03	0.00	120.1	1.06	9	108.4	15.1	123.5	9.6	42	69.6	1.0	-0.21	2.2	28.7
18.04	5.0E-03	0.00	108.2	1.38	9	98.2	24.0	122.2	12.4	42	66.8	1.0	-0.23	3.4	27.4
18.21	5.0E-04	0.00	93.3	1.79	7	85.2	34.8	120.1	15.9	42	62.7	1.0	-0.24	6.2	34.0
18.37	5.0E-04	0.00	90.9	1.89	7	83.5	37.7	121.2	16.7	42	62.1	1.0	-0.25	6.6	33.8
18.54	5.0E-04	0.00	90.3	1.71	7	83.3	33.6	117.0	15.8	42	62.0	1.0	-0.23	6.0	33.1
18.70	5.0E-03	0.00	94.2	1.32	9	87.3	24.4	111.8	13.2	42	63.4	1.0	-0.21	3.4	24.8
18.86	5.0E-03	0.00	95.6	1.25	9	89.0	22.9	111.9	12.7	42	63.9	1.0	-0.20	3.2	25.0
19.03	5.0E-04	0.00	86.9	1.55	7	81.4	30.6	112.0	15.2	42	61.4	1.0	-0.22	5.5	32.0
19.19	5.0E-03	0.00	87.9	1.33	9	82.7	25.6	108.2	13.8	42	61.8	1.0	-0.20	3.5	23.7
19.36	5.0E-04	0.00	76.7	1.32	7	72.6	26.8	99.4	15.1	40	58.1	1.0	-0.19	4.8	28.5
19.52	5.0E-04	0.00	73.7	1.27	7	70.1	26.2	96.3	15.2	40	57.1	1.0	-0.18	4.7	27.6
19.68	5.0E-04	0.00	71.4	1.45	7	68.2	30.7	99.0	16.6	40	56.3	1.0	-0.19	5.4	27.6
19.85	5.0E-04	0.00	69.7	1.47	7	67.0	31.6	98.5	17.0	40	55.8	1.0	-0.19	5.5	27.3
20.01	5.0E-04	0.00	70.2	1.44	7	67.7	30.8	98.5	16.7	40	56.1	1.0	-0.19	5.4	27.5
20.18	5.0E-04	0.00	69.4	1.35	7	67.2	29.0	96.2	16.3	40	55.9	1.0	-0.18	5.1	27.0
20.34	5.0E-04	0.00	62.4	1.97	7	60.8	45.4	106.2	21.0	40	53.0	1.0	-0.21	7.2	27.1
20.51	5.0E-05	0.00	55.1	2.20	7	54.0	53.6	107.6	23.7	40	49.6	10.0	-0.21	9.6	30.7
20.67	5.0E-05	0.00	52.4	2.27	7	51.6	57.0	108.6	24.6	38	48.3	10.0	-0.21	9.9	30.1
20.83	5.0E-05	0.00	49.4	2.16	7	49.0	55.1	104.1	24.8	38	46.8	6.0	-0.20	9.5	28.7
21.00	5.0E-05	0.00	39.0	2.59	6	39.0	80.5	119.5	30.2	38	40.3	6.0	-0.19	11.1	26.4
21.16	5.0E-06	0.00	31.6	3.08	6	31.9	127.6	159.5	35.7	UnDef	UnDef	6.0	UnDef	15.6	31.2
21.33	5.0E-05	0.00	31.0	2.37	6	31.5	87.6	119.1	32.6	36	34.1	6.0	-0.16	10.5	22.8
21.49	5.0E-05	0.00	38.0	1.82	7	38.5	51.4	89.9	26.4	38	39.9	6.0	-0.15	8.4	23.5
21.65	5.0E-04	0.00	42.3	1.74	7	42.9	46.4	89.3	24.5	38	43.0	1.0	-0.16	6.7	20.7
21.82	5.0E-04	0.00	46.0	1.73	7	46.7	44.9	91.6	23.4	38	45.5	1.0	-0.16	6.7	22.0
21.98	5.0E-04	0.00	46.9	1.81	7	47.8	47.0	94.8	23.6	38	46.1	1.0	-0.17	7.0	22.6
22.15	5.0E-04	0.00	48.0	1.57	7	49.1	40.2	89.3	21.9	38	46.9	1.0	-0.16	6.3	22.3
.31	5.0E-04	0.00	48.9	1.51	7	50.2	38.5	88.7	21.3	38	47.5	1.0	-0.16	6.1	22.5
..47	5.0E-04	0.00	51.6	1.22	7	53.1	30.5	83.6	18.7	38	49.1	1.0	-0.14	5.1	22.4
22.64	5.0E-04	0.00	48.1	1.19	7	49.8	30.5	80.2	19.2	38	47.3	1.0	-0.13	5.1	21.3
22.80	5.0E-04	0.00	50.8	1.11	7	52.7	28.2	80.9	18.1	38	48.9	1.0	-0.13	4.8	22.0
22.97	5.0E-04	0.00	52.1	1.19	7	54.2	29.8	84.0	18.3	38	49.7	1.0	-0.14	5.0	22.7
23.13	5.0E-04	0.00	52.2	1.24	7	54.5	31.4	85.9	18.7	38	49.9	1.0	-0.15	5.3	23.1
23.29	5.0E-04	0.00	49.6	1.32	7	52.1	34.0	86.0	19.8	38	48.6	1.0	-0.15	5.6	22.5
23.46	5.0E-04	0.00	45.2	1.33	7	47.7	35.7	83.4	21.0	38	46.1	1.0	-0.14	5.7	21.3
23.62	5.0E-04	0.00	39.7	1.58	7	42.2	45.0	87.1	24.3	38	42.5	1.0	-0.14	6.6	20.3
23.79	5.0E-05	0.00	34.8	1.94	7	37.3	61.9	99.2	28.4	38	39.0	6.0	-0.15	9.3	23.9
23.95	5.0E-05	0.00	32.0	2.37	6	34.5	89.4	123.9	32.0	36	36.8	6.0	-0.16	11.1	24.6
24.11	5.0E-05	0.00	31.5	2.36	6	34.0	91.3	125.3	32.3	36	36.4	6.0	-0.16	11.1	24.5
24.28	5.0E-05	0.00	30.3	2.36	6	32.9	95.4	128.3	32.9	36	35.4	6.0	-0.15	11.2	24.1
24.44	5.0E-05	0.01	27.8	2.36	6	30.3	109.0	139.3	34.3	36	33.1	6.0	-0.14	11.4	23.2
24.61	5.0E-05	0.01	26.9	2.23	6	29.5	102.4	131.9	34.1	36	32.3	6.0	-0.13	10.9	22.5
24.77	5.0E-05	0.01	27.1	2.07	6	29.8	88.9	118.8	33.0	36	32.6	6.0	-0.13	10.3	22.0
24.93	5.0E-05	0.01	28.3	2.24	6	31.2	97.0	128.2	33.3	36	33.9	6.0	-0.14	11.0	23.2
25.10	5.0E-05	0.01	30.4	1.91	7	33.5	69.5	103.0	30.3	36	36.0	6.0	-0.13	9.6	22.7
25.26	5.0E-05	0.01	30.2	2.30	6	33.4	93.5	127.0	32.6	36	35.9	6.0	-0.15	11.2	24.3
25.43	5.0E-05	0.01	26.7	2.20	6	29.8	102.9	132.7	34.0	36	32.6	6.0	-0.13	11.0	22.7
25.59	5.0E-05	0.01	27.1	1.98	6	30.3	83.4	113.7	32.5	36	33.1	6.0	-0.12	10.1	21.9
25.75	5.0E-05	0.00	33.5	1.91	7	37.3	65.0	102.3	28.8	36	39.0	6.0	-0.14	9.6	24.2
25.92	5.0E-05	0.00	33.7	2.15	7	37.7	76.3	114.0	30.1	36	39.3	6.0	-0.15	10.6	25.4
26.08	5.0E-05	0.01	30.0	2.48	6	33.8	109.9	143.7	33.6	36	36.2	6.0	-0.16	12.1	25.4
26.25	5.0E-05	0.01	33.0	2.07	7	37.2	74.2	111.3	30.0	36	38.9	6.0	-0.15	10.4	24.9
26.41	5.0E-04	0.00	41.8	1.60	7	47.0	47.4	94.3	23.8	38	45.6	1.0	-0.15	7.0	22.3
26.57	5.0E-04	0.00	49.7	1.51	7	55.8	41.9	97.7	21.1	38	50.5	1.0	-0.16	6.7	24.9
26.74	5.0E-04	0.00	49.9	1.50	7	56.3	41.5	97.7	20.9	38	50.8	1.0	-0.16	6.6	25.0
26.90	5.0E-04	0.00	51.2	1.42	7	57.8	39.1	96.9	20.1	38	51.6	1.0	-0.16	6.4	25.2
27.07	5.0E-04	0.00	52.5	1.27	7	59.4	34.8	94.2	18.8	38	52.4	1.0	-0.15	5.8	25.2
27.23	5.0E-04	0.00	52.3	1.33	7	59.4	36.5	95.9	19.2	38	52.4	1.0	-0.15	6.1	25.4
27.39	5.0E-04	0.00	53.5	1.72	7	60.9	47.7	108.6	21.4	40	53.1	1.0	-0.18	7.5	27.4
56	5.0E-05	0.00	48.6	2.36	7	55.6	71.3	126.9	26.0	38	50.5	6.0	-0.21	11.8	33.6
..72	5.0E-05	0.00	44.2	2.77	6	50.9	94.0	145.0	29.3	38	47.9	6.0	-0.22	13.6	33.5
27.89	5.0E-05	0.00	47.0	2.31	7	54.2	70.9	125.1	26.2	38	49.7	6.0	-0.20	11.7	32.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5094
CPT File: 315CP32.COR

pth .t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	52.6	1.71	7	60.7	48.0	108.8	21.5	38	53.0	1.0	-0.18	7.6	27.4
28.21	5.0E-03	0.00	58.6	1.27	7	67.7	34.2	101.9	17.6	40	56.1	1.0	-0.16	4.4	21.0
28.38	5.0E-03	0.00	57.4	1.36	7	66.6	37.1	103.7	18.4	40	55.6	1.0	-0.16	4.7	21.0
28.54	5.0E-04	0.00	54.6	1.49	7	63.6	41.5	105.1	19.8	40	54.3	1.0	-0.17	6.8	27.6
28.71	5.0E-04	0.00	58.1	1.60	7	67.7	43.9	111.6	19.7	40	56.1	1.0	-0.18	7.2	29.3
28.87	5.0E-04	0.00	56.6	1.64	7	66.3	45.7	112.0	20.3	40	55.5	1.0	-0.18	7.4	29.0
29.04	5.0E-04	0.00	53.9	1.82	7	63.2	52.2	115.4	21.9	40	54.1	1.0	-0.19	8.1	28.8
29.20	5.0E-04	0.00	55.1	2.08	7	64.9	60.4	125.3	23.1	40	54.9	1.0	-0.20	9.1	30.3
29.36	5.0E-04	0.00	72.8	1.77	7	85.6	46.7	132.2	18.2	40	62.8	1.0	-0.21	7.9	35.8
29.53	5.0E-03	0.00	108.1	1.46	9	126.9	33.3	160.2	12.8	42	74.1	1.0	-0.23	4.6	35.7
29.69	5.0E-03	0.00	120.6	1.38	9	141.8	29.5	171.3	11.4	42	77.3	1.0	-0.24	4.2	38.9
29.86	5.0E-03	0.00	127.9	1.30	9	150.8	26.3	177.1	10.6	44	79.1	1.0	-0.24	3.8	40.7
30.02	5.0E+00	0.00	130.3	0.01	10	154.1	0.0	154.1	3.6	44	79.7	1.0	0.17	0.0	25.1
30.18	5.0E+00	0.00	128.3	0.01	10	152.3	0.0	152.3	3.6	44	79.3	1.0	0.17	0.0	24.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5133
b No: 99-315
.ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-33
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 09:30
CPT File: 315CP33.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.1	0.02	0.49	0.4	1	74.5	0.01	0.01	0.00	2.00	2.0	3.9	0.33	0.00
0.33	6.9	0.02	0.29	0.1	1	74.5	0.01	0.01	0.00	2.00	3.3	6.6	0.55	0.00
0.49	7.9	0.03	0.38	-0.6	1	74.5	0.02	0.02	0.00	2.00	3.8	7.5	0.63	0.00
0.66	10.5	0.02	0.19	-0.7	6	98.7	0.03	0.03	0.00	2.00	4.0	8.0	0.84	0.00
0.82	14.0	0.02	0.14	-0.3	6	98.7	0.03	0.03	0.00	2.00	5.4	10.7	1.12	0.00
0.98	14.9	0.02	0.13	-0.3	6	98.7	0.04	0.04	0.00	2.00	5.7	11.4	1.19	0.00
1.15	14.1	0.02	0.14	-0.2	6	98.7	0.05	0.05	0.00	2.00	5.4	10.8	1.13	0.00
.31	12.3	0.02	0.16	-0.1	6	98.7	0.06	0.06	0.00	2.00	4.7	9.4	0.98	0.00
.48	14.5	0.02	0.14	0.0	6	98.7	0.07	0.07	0.00	2.00	5.6	11.1	1.16	0.00
1.64	20.0	0.02	0.10	0.1	7	98.7	0.07	0.07	0.00	2.00	6.4	12.8	UnDef	0.09
1.80	19.4	0.02	0.10	0.0	7	98.7	0.08	0.08	0.00	2.00	6.2	12.4	UnDef	0.08
1.97	16.1	0.02	0.12	0.0	6	98.7	0.09	0.09	0.00	2.00	6.2	12.3	1.28	0.08
2.13	15.7	0.02	0.13	0.0	6	98.7	0.10	0.10	0.00	2.00	6.0	12.0	1.25	0.08
2.30	16.5	0.02	0.12	-0.1	7	98.7	0.11	0.11	0.00	2.00	5.3	10.5	UnDef	0.08
2.46	21.1	0.02	0.09	-0.1	7	98.7	0.11	0.11	0.00	2.00	6.7	13.5	UnDef	0.09
2.62	21.5	0.08	0.37	0.1	7	98.7	0.12	0.12	0.00	2.00	6.9	13.7	UnDef	0.09
2.79	22.4	0.09	0.40	-0.1	7	98.7	0.13	0.13	0.00	2.00	7.1	14.3	UnDef	0.09
2.95	24.5	0.14	0.57	0.0	7	98.7	0.14	0.14	0.00	2.00	7.8	15.7	UnDef	0.09
3.12	28.0	0.18	0.64	-0.5	7	98.7	0.15	0.15	0.00	2.00	8.9	17.9	UnDef	0.09
3.28	26.9	0.29	1.08	-0.4	6	98.7	0.15	0.15	0.00	2.00	10.3	20.6	2.14	0.10
3.44	24.5	0.40	1.64	-0.9	6	98.7	0.16	0.16	0.00	2.00	9.4	18.7	1.94	0.10
3.61	22.9	0.35	1.53	-1.0	6	98.7	0.17	0.17	0.00	2.00	8.8	17.6	1.82	0.09
3.77	19.7	0.26	1.32	-0.6	6	98.7	0.18	0.18	0.00	2.00	7.5	15.1	1.56	0.09
3.94	16.9	0.27	1.60	-0.5	6	98.7	0.19	0.19	0.00	2.00	6.5	13.0	1.34	0.09
4.10	16.3	0.25	1.54	-0.5	6	98.7	0.20	0.20	0.00	2.00	6.2	12.5	1.29	0.09
4.27	14.7	0.22	1.50	-0.5	6	98.7	0.20	0.20	0.00	2.00	5.6	11.3	1.16	0.09
4.43	15.5	0.18	1.16	-0.6	6	98.7	0.21	0.21	0.00	2.00	5.9	11.9	1.23	0.09
4.59	16.3	0.20	1.23	-0.3	6	98.7	0.22	0.22	0.00	2.00	6.3	12.5	1.29	0.09
4.76	14.9	0.23	1.55	-0.4	6	98.7	0.23	0.23	0.00	2.00	5.7	11.4	1.17	0.09
4.92	16.2	0.25	1.54	-0.5	6	98.7	0.24	0.24	0.00	2.00	6.2	12.4	1.28	0.09
5.09	16.9	0.27	1.60	-0.8	6	98.7	0.24	0.24	0.00	2.00	6.5	13.0	1.33	0.09
5.25	15.3	0.27	1.77	-1.9	6	98.7	0.25	0.25	0.00	1.99	5.8	11.6	1.20	0.09
5.41	15.7	0.29	1.85	-1.2	5	85.3	0.26	0.26	0.00	1.96	7.5	14.8	1.24	0.09
5.58	16.1	0.31	1.94	3.1	5	85.3	0.27	0.27	0.00	1.94	7.7	14.9	1.26	0.10
5.74	17.5	0.34	1.94	7.9	6	98.7	0.27	0.27	0.00	1.91	6.7	12.8	1.38	0.10
5.91	17.9	0.35	1.96	14.0	6	98.7	0.28	0.28	0.00	1.88	6.9	12.9	1.41	0.10
6.07	17.9	0.58	3.25	16.7	5	85.3	0.29	0.29	0.00	1.86	8.6	15.9	1.41	0.13
6.23	16.5	0.54	3.27	12.2	4	79.6	0.30	0.30	0.00	1.84	10.6	19.4	1.30	0.13
6.40	19.9	0.47	2.37	1.2	5	85.3	0.30	0.30	0.00	1.82	9.5	17.3	1.57	0.11
56	20.3	0.45	2.22	5.9	6	98.7	0.31	0.31	0.00	1.79	7.8	14.0	1.60	0.11
..73	19.6	0.37	1.89	8.4	6	98.7	0.32	0.32	0.00	1.77	7.5	13.3	1.54	0.10
6.89	17.7	0.35	1.98	11.5	6	98.7	0.33	0.33	0.00	1.75	6.8	11.8	1.39	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	18.5	0.31	1.68	12.7	6	98.7	0.34	0.34	0.00	1.73	7.1	12.2	1.45	0.10
7.22	18.9	0.33	1.75	13.0	6	98.7	0.34	0.34	0.00	1.71	7.2	12.4	1.49	0.10
7.38	19.6	0.33	1.69	15.2	6	98.7	0.35	0.35	0.00	1.69	7.5	12.7	1.54	0.10
7.55	19.8	0.34	1.72	16.8	6	98.7	0.36	0.36	0.00	1.67	7.6	12.7	1.56	0.10
7.71	19.7	0.31	1.58	18.1	6	98.7	0.37	0.37	0.00	1.65	7.5	12.4	1.55	0.10
7.87	19.7	0.32	1.63	12.1	6	98.7	0.38	0.38	0.00	1.63	7.6	12.3	1.55	0.10
8.04	20.6	0.33	1.61	12.1	6	98.7	0.38	0.38	0.00	1.61	7.9	12.7	1.61	0.10
8.20	20.0	0.32	1.60	10.6	6	98.7	0.39	0.39	0.00	1.60	7.7	12.3	1.57	0.10
8.37	22.1	0.28	1.27	11.5	6	98.7	0.40	0.40	0.00	1.58	8.5	13.4	1.74	0.09
8.53	20.8	0.31	1.50	12.4	6	98.7	0.41	0.41	0.00	1.57	8.0	12.5	1.63	0.10
8.69	21.9	0.35	1.60	16.1	6	98.7	0.42	0.42	0.00	1.55	8.4	13.0	1.72	0.10
8.86	26.5	0.37	1.40	18.6	6	98.7	0.42	0.42	0.00	1.54	10.2	15.6	2.09	0.10
9.02	32.6	0.50	1.54	12.7	6	98.7	0.43	0.43	0.00	1.52	12.5	19.0	2.57	0.11
9.19	32.2	0.58	1.81	-0.2	6	98.7	0.44	0.44	0.00	1.51	12.3	18.6	2.54	0.12
9.35	31.7	0.70	2.21	-0.5	6	98.7	0.45	0.45	0.00	1.49	12.1	18.1	2.50	0.13
9.51	31.4	0.45	1.44	-1.0	6	98.7	0.46	0.46	0.00	1.48	12.0	17.8	2.47	0.11
9.68	31.0	0.25	0.81	-0.6	7	98.7	0.46	0.46	0.00	1.47	9.9	14.5	UnDef	0.10
9.84	33.7	0.21	0.62	-0.3	7	98.7	0.47	0.47	0.00	1.45	10.8	15.7	UnDef	0.10
10.01	40.8	0.27	0.66	-0.4	7	98.7	0.48	0.48	0.00	1.44	13.0	18.8	UnDef	0.11
10.17	55.1	0.28	0.51	-0.3	8	101.8	0.49	0.49	0.00	1.43	13.2	18.9	UnDef	0.13
10.33	57.4	0.27	0.47	-0.3	8	101.8	0.50	0.50	0.00	1.42	13.7	19.5	UnDef	0.13
10.50	51.4	0.30	0.58	-0.4	8	101.8	0.51	0.51	0.00	1.41	12.3	17.3	UnDef	0.12
10.66	43.8	0.30	0.69	-0.4	7	98.7	0.51	0.51	0.00	1.40	14.0	19.5	UnDef	0.11
10.83	39.0	0.27	0.69	-0.3	7	98.7	0.52	0.52	0.00	1.38	12.4	17.2	UnDef	0.10
10.99	34.2	0.27	0.79	-0.3	7	98.7	0.53	0.53	0.00	1.37	10.9	15.0	UnDef	0.10
11.15	31.0	0.32	1.04	-0.2	7	98.7	0.54	0.54	0.00	1.36	9.9	13.5	UnDef	0.10
11.32	31.0	0.41	1.32	-0.5	6	98.7	0.55	0.55	0.00	1.35	11.9	16.1	2.44	0.11
11.48	34.8	0.40	1.15	-0.2	7	98.7	0.55	0.55	0.00	1.34	11.1	14.9	UnDef	0.11
11.65	42.4	0.37	0.87	-0.4	7	98.7	0.56	0.56	0.00	1.33	13.5	18.1	UnDef	0.11
.81	45.7	0.30	0.66	-0.5	7	98.7	0.57	0.57	0.00	1.32	14.6	19.3	UnDef	0.11
.97	53.5	0.30	0.56	-0.4	8	101.8	0.58	0.58	0.00	1.31	12.8	16.8	UnDef	0.12
12.14	59.4	0.35	0.59	-0.4	8	101.8	0.59	0.59	0.00	1.31	14.2	18.6	UnDef	0.13
12.30	57.8	0.42	0.73	-0.4	8	101.8	0.60	0.60	0.00	1.30	13.8	17.9	UnDef	0.13
12.47	55.9	0.43	0.77	-0.4	8	101.8	0.60	0.60	0.00	1.29	13.4	17.2	UnDef	0.13
12.63	58.3	0.50	0.86	-0.5	8	101.8	0.61	0.61	0.00	1.28	13.9	17.8	UnDef	0.14
12.80	61.9	0.50	0.81	-0.4	8	101.8	0.62	0.62	0.00	1.27	14.8	18.8	UnDef	0.14
12.96	69.7	0.48	0.69	0.0	8	101.8	0.63	0.63	0.00	1.26	16.7	21.0	UnDef	0.15
13.12	67.4	0.50	0.74	0.1	8	101.8	0.64	0.64	0.00	1.25	16.1	20.2	UnDef	0.15
13.29	63.8	0.51	0.80	0.3	8	101.8	0.65	0.65	0.00	1.24	15.3	19.0	UnDef	0.14
13.45	60.7	0.48	0.79	0.3	8	101.8	0.65	0.65	0.00	1.24	14.5	18.0	UnDef	0.14
13.62	60.7	0.47	0.78	0.0	8	101.8	0.66	0.66	0.00	1.23	14.5	17.9	UnDef	0.14
13.78	65.9	0.51	0.78	0.4	8	101.8	0.67	0.67	0.00	1.22	15.8	19.3	UnDef	0.15
13.94	75.3	0.60	0.80	0.3	8	101.8	0.68	0.68	0.00	1.21	18.0	21.9	UnDef	0.17
14.11	84.3	0.67	0.80	0.3	8	101.8	0.69	0.69	0.00	1.21	20.2	24.3	UnDef	0.20
14.27	78.8	0.68	0.87	0.1	8	101.8	0.70	0.70	0.00	1.20	18.9	22.6	UnDef	0.18
14.44	72.0	0.63	0.88	0.3	8	101.8	0.70	0.70	0.00	1.19	17.2	20.5	UnDef	0.16
14.60	71.8	0.56	0.78	0.2	8	101.8	0.71	0.71	0.00	1.18	17.2	20.4	UnDef	0.16
14.76	63.7	0.52	0.82	0.0	8	101.8	0.72	0.72	0.00	1.18	15.2	18.0	UnDef	0.14
14.93	54.2	0.49	0.91	0.1	7	98.7	0.73	0.73	0.00	1.17	17.3	20.3	UnDef	0.12
15.09	48.1	0.58	1.21	0.3	7	98.7	0.74	0.74	0.00	1.16	15.4	17.9	UnDef	0.12
15.26	42.2	0.76	1.80	0.0	7	98.7	0.75	0.75	0.00	1.16	13.5	15.6	UnDef	0.14
15.42	36.9	0.91	2.47	0.4	6	98.7	0.75	0.75	0.00	1.15	14.1	16.3	2.89	0.18
15.58	38.4	0.93	2.43	0.9	6	98.7	0.76	0.76	0.00	1.15	14.7	16.9	3.01	0.17
15.75	40.3	0.90	2.24	1.8	6	98.7	0.77	0.77	0.00	1.14	15.4	17.6	3.16	0.16
15.91	38.5	0.77	2.00	2.3	6	98.7	0.78	0.78	0.00	1.13	14.8	16.7	3.02	0.15
16.08	44.0	0.67	1.53	1.4	7	98.7	0.79	0.79	0.00	1.13	14.0	15.8	UnDef	0.13
16.24	56.1	0.71	1.27	-0.1	7	98.7	0.79	0.79	0.00	1.12	17.9	20.1	UnDef	0.14
16.40	67.8	0.83	1.23	0.2	7	98.7	0.80	0.80	0.00	1.12	21.7	24.2	UnDef	0.16
16.57	77.3	0.83	1.08	-0.2	8	101.8	0.81	0.81	0.00	1.11	18.5	20.6	UnDef	0.18
16.73	70.5	0.51	0.73	0.3	8	101.8	0.82	0.82	0.00	1.11	16.9	18.6	UnDef	0.14
.90	68.9	0.50	0.73	0.4	8	101.8	0.83	0.83	0.00	1.10	16.5	18.1	UnDef	0.14
06	70.7	0.55	0.78	0.5	8	101.8	0.84	0.84	0.00	1.09	16.9	18.5	UnDef	0.15
.22	61.8	0.66	1.07	0.4	7	98.7	0.84	0.84	0.00	1.09	19.7	21.5	UnDef	0.14
7.39	55.5	0.84	1.52	0.3	7	98.7	0.85	0.85	0.00	1.08	17.7	19.2	UnDef	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth ..t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	47.5	1.03	2.17	0.1	6	98.7	0.86	0.86	0.00	1.08	18.2	19.6	3.73	0.18
17.72	44.6	1.19	2.68	0.5	6	98.7	0.87	0.87	0.00	1.07	17.1	18.3	3.50	0.22
17.88	40.4	1.12	2.78	0.6	6	98.7	0.88	0.88	0.00	1.07	15.5	16.6	3.17	0.24
18.04	42.9	0.92	2.15	0.8	6	98.7	0.88	0.88	0.00	1.06	16.4	17.5	3.36	0.17
18.21	44.1	0.77	1.75	0.5	7	98.7	0.89	0.89	0.00	1.06	14.1	14.9	UnDef	0.14
18.37	44.1	0.92	2.09	0.4	6	98.7	0.90	0.90	0.00	1.05	16.9	17.8	3.46	0.17
18.54	38.7	0.89	2.30	0.3	6	98.7	0.91	0.91	0.00	1.05	14.8	15.6	3.02	0.18
18.70	36.1	0.90	2.50	1.9	6	98.7	0.92	0.92	0.00	1.04	13.8	14.5	2.82	0.22
18.86	34.8	0.73	2.10	5.0	6	98.7	0.92	0.92	0.00	1.04	13.3	13.9	2.71	0.17
19.03	37.3	1.01	2.72	6.6	6	98.7	0.93	0.93	0.00	1.04	14.3	14.8	2.91	0.26
19.19	34.2	0.82	2.40	1.5	6	98.7	0.94	0.94	0.00	1.03	13.1	13.5	2.66	0.22
19.36	37.0	0.81	2.19	3.7	6	98.7	0.95	0.95	0.00	1.03	14.2	14.6	2.88	0.18
19.52	32.5	0.85	2.62	3.1	6	98.7	0.96	0.96	0.00	1.02	12.5	12.7	2.53	0.30
19.68	30.7	0.70	2.29	3.0	6	98.7	0.96	0.96	0.00	1.02	11.8	12.0	2.38	0.23
19.85	27.9	0.68	2.45	4.9	6	98.7	0.97	0.97	0.00	1.01	10.7	10.8	2.15	0.33
20.01	31.0	0.50	1.62	5.9	6	98.7	0.98	0.98	0.00	1.01	11.9	12.0	2.40	0.13
20.18	36.2	0.57	1.58	6.5	6	98.7	0.99	0.99	0.00	1.01	13.9	13.9	2.82	0.13
20.34	38.5	0.62	1.62	4.7	7	98.7	1.00	1.00	0.00	1.00	12.3	12.3	UnDef	0.13
20.51	36.2	0.67	1.86	3.4	6	98.7	1.01	1.01	0.00	1.00	13.9	13.8	2.81	0.15
20.67	39.5	0.63	1.60	3.5	7	98.7	1.01	1.01	0.00	0.99	12.6	12.5	UnDef	0.14
20.83	43.3	0.62	1.44	3.0	7	98.7	1.02	1.02	0.00	0.99	13.8	13.7	UnDef	0.13
21.00	45.4	0.69	1.52	2.1	7	98.7	1.03	1.03	0.00	0.99	14.5	14.3	UnDef	0.14
21.16	45.6	0.69	1.52	1.9	7	98.7	1.04	1.04	0.00	0.98	14.6	14.3	UnDef	0.14
21.33	45.8	0.68	1.49	1.7	7	98.7	1.05	1.05	0.00	0.98	14.6	14.3	UnDef	0.14
21.49	45.7	0.61	1.34	1.2	7	98.7	1.05	1.05	0.00	0.97	14.6	14.2	UnDef	0.13
21.65	44.8	0.63	1.41	1.2	7	98.7	1.06	1.06	0.00	0.97	14.3	13.9	UnDef	0.13
21.82	46.5	0.70	1.51	0.9	7	98.7	1.07	1.07	0.00	0.97	14.8	14.4	UnDef	0.14
21.98	48.4	0.68	1.41	1.1	7	98.7	1.08	1.08	0.00	0.96	15.4	14.9	UnDef	0.14
22.15	46.3	0.67	1.45	1.0	7	98.7	1.09	1.09	0.00	0.96	14.8	14.2	UnDef	0.14
31	41.1	0.61	1.49	0.4	7	98.7	1.09	1.09	0.00	0.96	13.1	12.6	UnDef	0.13
..47	37.2	0.65	1.75	0.4	6	98.7	1.10	1.10	0.00	0.95	14.3	13.6	2.89	0.15
22.64	33.5	0.67	2.01	0.8	6	98.7	1.11	1.11	0.00	0.95	12.8	12.2	2.59	0.20
22.80	34.9	0.67	1.93	-0.3	6	98.7	1.12	1.12	0.00	0.95	13.4	12.6	2.70	0.18
22.97	31.1	0.67	2.16	1.2	6	98.7	1.13	1.13	0.00	0.94	11.9	11.2	2.39	0.30
23.13	28.2	0.68	2.42	3.6	6	98.7	1.13	1.13	0.00	0.94	10.8	10.1	2.16	0.28
23.29	26.3	0.56	2.13	5.3	6	98.7	1.14	1.14	0.00	0.94	10.1	9.4	2.02	0.24
23.46	26.8	0.53	1.98	7.0	6	98.7	1.15	1.15	0.00	0.93	10.3	9.6	2.05	0.25
23.62	27.5	0.48	1.75	8.2	6	98.7	1.16	1.16	0.00	0.93	10.5	9.8	2.11	0.23
23.79	32.2	0.52	1.62	9.7	6	98.7	1.17	1.17	0.00	0.93	12.4	11.4	2.49	0.16
23.95	31.9	0.58	1.82	11.2	6	98.7	1.18	1.18	0.00	0.92	12.2	11.3	2.46	0.20
24.11	32.6	0.59	1.81	12.7	6	98.7	1.18	1.18	0.00	0.92	12.5	11.5	2.52	0.19
24.28	27.2	0.51	1.88	14.1	6	98.7	1.19	1.19	0.00	0.92	10.4	9.6	2.08	0.25
24.44	28.0	0.52	1.86	15.4	6	98.7	1.20	1.20	0.00	0.91	10.7	9.8	2.14	0.26
24.61	32.5	0.49	1.51	17.5	6	98.7	1.21	1.21	0.00	0.91	12.4	11.3	2.50	0.15
24.77	31.6	0.52	1.65	19.5	6	98.7	1.22	1.22	0.00	0.91	12.1	11.0	2.43	0.18
24.93	37.9	0.61	1.62	21.1	7	98.7	1.22	1.22	0.00	0.90	12.1	10.9	UnDef	0.15
25.10	40.0	0.74	1.85	5.5	6	98.7	1.23	1.23	0.00	0.90	15.3	13.8	3.10	0.18
25.26	41.2	0.79	1.92	4.7	6	98.7	1.24	1.24	0.00	0.90	15.8	14.2	3.19	0.19
25.43	40.3	0.86	2.14	6.3	6	98.7	1.25	1.25	0.00	0.90	15.4	13.8	3.12	0.25
25.59	40.3	0.81	2.02	7.2	6	98.7	1.26	1.26	0.00	0.89	15.4	13.8	3.12	0.22
25.75	49.7	0.87	1.76	8.5	7	98.7	1.26	1.26	0.00	0.89	15.9	14.1	UnDef	0.17
25.92	60.7	0.69	1.14	6.4	7	98.7	1.27	1.27	0.00	0.89	19.4	17.2	UnDef	0.14
26.08	73.1	0.70	0.96	2.0	8	101.8	1.28	1.28	0.00	0.88	17.5	15.5	UnDef	0.15
26.25	81.6	0.70	0.86	1.6	8	101.8	1.29	1.29	0.00	0.88	19.5	17.2	UnDef	0.15
26.41	85.1	0.74	0.87	1.2	8	101.8	1.30	1.30	0.00	0.88	20.4	17.9	UnDef	0.16
26.57	85.2	0.77	0.91	1.1	8	101.8	1.31	1.31	0.00	0.88	20.4	17.8	UnDef	0.16
26.74	90.0	0.82	0.91	1.1	8	101.8	1.31	1.31	0.00	0.87	21.5	18.8	UnDef	0.17
26.90	96.8	1.01	1.05	1.0	8	101.8	1.32	1.32	0.00	0.87	23.2	20.2	UnDef	0.20
27.07	111.8	1.19	1.07	0.9	8	101.8	1.33	1.33	0.00	0.87	26.8	23.2	UnDef	0.24
27.23	120.5	1.48	1.23	0.8	8	101.8	1.34	1.34	0.00	0.86	28.9	24.9	UnDef	0.29
..39	113.6	1.56	1.38	0.7	8	101.8	1.35	1.35	0.00	0.86	27.2	23.4	UnDef	0.28
56	87.3	1.41	1.62	0.6	7	98.7	1.36	1.36	0.00	0.86	27.9	23.9	UnDef	0.23
..72	72.2	1.37	1.90	0.3	7	98.7	1.36	1.36	0.00	0.86	23.0	19.7	UnDef	0.23
27.89	57.9	1.52	2.63	0.3	6	98.7	1.37	1.37	0.00	0.85	22.2	18.9	4.52	0.36

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth (rt)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	46.4	1.42	3.07	0.7	6	98.7	1.38	1.38	0.00	0.85	17.8	15.1	3.60	0.00
28.21	47.2	1.50	3.19	0.9	5	85.3	1.39	1.39	0.00	0.85	22.6	19.2	3.67	0.00
28.38	65.6	1.24	1.89	0.5	7	98.7	1.39	1.39	0.00	0.85	20.9	17.7	UnDef	0.22
28.54	90.7	1.19	1.32	0.8	8	101.8	1.40	1.40	0.00	0.84	21.7	18.3	UnDef	0.21
28.71	103.5	1.20	1.16	0.3	8	101.8	1.41	1.41	0.00	0.84	24.8	20.9	UnDef	0.22
28.87	134.5	1.42	1.06	0.6	8	101.8	1.42	1.42	0.00	0.84	32.2	27.0	UnDef	0.31
29.04	161.0	2.35	1.46	0.8	8	101.8	1.43	1.43	0.00	0.84	38.5	32.3	UnDef	0.00
29.20	165.6	2.91	1.75	0.9	8	101.8	1.44	1.44	0.00	0.83	39.7	33.1	UnDef	0.00
29.36	141.4	3.38	2.39	1.2	7	98.7	1.44	1.44	0.00	0.83	45.2	37.6	UnDef	0.00
29.53	185.7	0.02	0.01	2.8	9	101.8	1.45	1.45	0.00	0.83	35.6	29.5	UnDef	0.40
29.69	222.1	0.02	0.01	2.9	10	127.3	1.46	1.46	0.00	0.83	35.5	29.3	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5133
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-33
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 09:30
CPT File: 315CP33.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	668.9	0.49	10	7.8	0.0	7.8	0.0	UnDef	UnDef	10.0	UnDef	0.0	3.9
0.33	1.7E-07	0.00	563.6	0.29	10	13.2	0.0	13.2	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.6
0.49	1.7E-07	0.00	427.7	0.38	10	15.0	0.0	15.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.5
0.66	5.0E-05	0.00	410.9	0.19	10	20.1	0.0	20.1	0.0	48	54.6	10.0	-0.17	0.0	8.0
0.82	5.0E-05	0.00	416.4	0.14	10	26.8	0.0	26.8	0.0	48	58.9	10.0	-0.15	0.0	10.7
0.98	5.0E-05	0.00	358.2	0.13	10	28.6	0.0	28.6	0.0	48	57.7	10.0	-0.13	0.0	11.4
1.15	5.0E-05	0.00	282.9	0.14	10	27.0	0.0	27.0	0.0	46	53.5	10.0	-0.11	0.0	10.8
1.31	5.0E-05	0.00	212.3	0.16	10	23.6	0.0	23.6	0.0	46	47.5	10.0	-0.10	0.0	9.4
48	5.0E-05	0.00	219.1	0.14	10	27.8	0.0	27.8	0.0	46	50.3	10.0	-0.09	0.0	11.1
.64	5.0E-04	0.00	269.3	0.10	10	38.3	0.0	38.3	0.0	46	57.8	1.0	-0.08	0.0	12.8
1.80	5.0E-04	0.00	235.6	0.10	10	37.2	0.0	37.2	0.0	46	55.5	1.0	-0.07	0.0	12.4
1.97	5.0E-05	0.00	177.5	0.13	10	30.8	0.0	30.8	0.0	44	48.8	10.0	-0.06	0.0	12.3
2.13	5.0E-05	0.00	159.0	0.13	9	30.1	0.0	30.1	0.5	44	46.9	10.0	-0.06	0.0	12.0
2.30	5.0E-04	0.00	154.0	0.12	9	31.6	0.0	31.6	0.6	44	47.1	1.0	-0.05	0.0	10.5
2.46	5.0E-04	0.00	183.7	0.10	10	40.5	0.0	40.5	0.0	44	53.2	1.0	-0.04	0.0	13.5
2.62	5.0E-04	0.00	174.2	0.38	9	41.1	0.0	41.1	2.3	44	52.6	1.0	-0.15	0.0	13.7
2.79	5.0E-04	0.00	170.1	0.41	9	42.8	0.0	42.8	2.7	44	52.9	1.0	-0.16	0.0	14.3
2.95	5.0E-04	0.00	175.8	0.58	9	47.0	0.0	47.0	3.9	44	54.7	1.0	-0.19	0.0	15.7
3.12	5.0E-04	0.00	189.5	0.65	9	53.6	0.0	53.6	4.0	44	57.6	1.0	-0.21	0.0	17.9
3.28	5.0E-05	0.00	172.6	1.09	9	51.5	3.4	54.9	7.3	44	55.7	10.0	-0.25	0.8	21.4
3.44	5.0E-05	0.00	149.1	1.65	9	46.9	9.4	56.3	11.3	44	52.3	10.0	-0.28	2.2	20.9
3.61	5.0E-05	0.00	133.0	1.54	9	43.9	9.4	53.3	11.6	44	49.7	10.0	-0.26	2.2	19.7
3.77	5.0E-05	0.00	108.8	1.34	9	37.7	8.7	46.4	12.1	42	44.7	10.0	-0.22	2.0	17.1
3.94	5.0E-05	0.00	89.4	1.62	7	32.4	12.4	44.8	15.4	42	39.8	10.0	-0.23	2.7	15.7
4.10	5.0E-05	0.00	82.4	1.56	7	31.2	12.7	43.9	15.8	42	38.0	10.0	-0.21	2.8	15.2
4.27	5.0E-05	0.00	71.2	1.52	7	28.1	13.4	41.5	17.1	40	34.5	10.0	-0.20	2.8	14.1
4.43	5.0E-05	0.00	72.4	1.18	7	29.7	10.5	40.2	14.7	40	35.5	10.0	-0.17	2.3	14.2
4.59	5.0E-05	0.00	73.4	1.24	7	31.3	11.5	42.8	15.0	40	36.5	10.0	-0.18	2.5	15.0
4.76	5.0E-05	0.00	64.4	1.57	7	28.5	16.0	44.5	18.4	40	33.3	10.0	-0.19	3.3	14.7
4.92	5.0E-05	0.00	67.8	1.57	7	31.1	16.2	47.3	17.8	40	35.2	10.0	-0.19	3.4	15.8
5.09	5.0E-05	0.00	68.4	1.62	7	32.4	17.4	49.8	18.1	40	36.0	10.0	-0.20	3.6	16.6
5.25	5.0E-05	0.00	59.5	1.80	7	29.2	20.9	50.2	20.6	40	32.5	10.0	-0.20	4.1	15.8
5.41	5.0E-06	0.00	59.5	1.88	7	30.1	22.6	52.7	21.1	UnDef	UnDef	10.0	UnDef	5.4	20.2
5.58	5.0E-06	0.01	59.2	1.97	7	30.4	24.2	54.6	21.6	UnDef	UnDef	10.0	UnDef	5.7	20.6
5.74	5.0E-05	0.01	63.0	1.97	7	32.8	24.2	57.0	20.9	40	35.3	10.0	-0.21	4.6	17.5
5.91	5.0E-05	0.02	62.4	1.99	7	33.0	24.9	57.8	21.1	40	35.5	10.0	-0.21	4.8	17.7
6.07	5.0E-06	0.03	60.8	3.30	6	32.5	48.0	80.5	27.3	UnDef	UnDef	10.0	UnDef	9.5	25.4
6.23	5.0E-07	0.02	54.8	3.33	6	29.7	51.7	81.4	28.8	UnDef	UnDef	10.0	UnDef	12.8	32.2
6.40	5.0E-06	0.00	64.5	2.41	7	35.3	31.9	67.2	22.8	UnDef	UnDef	10.0	UnDef	7.3	24.6
6.56	5.0E-05	0.01	64.5	2.25	7	35.7	29.8	65.5	22.0	40	37.8	10.0	-0.23	5.6	19.5
73	5.0E-05	0.01	60.4	1.92	7	33.9	25.7	59.6	21.1	40	36.3	10.0	-0.20	4.9	18.2
6.89	5.0E-05	0.02	53.1	2.02	7	30.3	28.6	58.8	23.2	40	33.0	10.0	-0.19	5.2	17.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	54.1	1.72	7	31.2	23.9	55.1	21.3	40	33.9	10.0	-0.18	4.6	16.8
7.22	5.0E-05	0.02	54.1	1.78	7	31.6	25.3	56.8	21.6	40	34.2	10.0	-0.18	4.8	17.1
7.38	5.0E-05	0.02	54.9	1.72	7	32.4	24.4	56.8	21.1	40	35.0	10.0	-0.18	4.7	17.3
7.55	5.0E-05	0.03	54.1	1.75	7	32.3	25.4	57.7	21.5	40	34.9	10.0	-0.18	4.8	17.5
7.71	5.0E-05	0.03	52.6	1.61	7	31.8	23.6	55.4	21.0	38	34.4	10.0	-0.17	4.5	17.0
7.87	5.0E-05	0.02	51.5	1.66	7	31.5	24.8	56.3	21.5	38	34.2	10.0	-0.17	4.7	17.0
8.04	5.0E-05	0.02	52.6	1.64	7	32.5	24.6	57.1	21.1	38	35.1	10.0	-0.17	4.7	17.4
8.20	5.0E-05	0.02	50.2	1.63	7	31.3	25.1	56.5	21.7	38	34.0	10.0	-0.17	4.7	17.0
8.37	5.0E-05	0.02	54.3	1.29	7	34.2	19.5	53.7	18.6	40	36.5	10.0	-0.15	3.9	17.3
8.53	5.0E-05	0.02	49.9	1.53	7	31.8	24.0	55.8	21.1	38	34.4	6.0	-0.16	4.6	17.0
8.69	5.0E-05	0.02	51.7	1.63	7	33.3	25.7	58.9	21.3	38	35.7	10.0	-0.17	4.9	17.9
8.86	5.0E-05	0.02	61.6	1.42	7	39.9	21.2	61.1	18.0	40	40.9	10.0	-0.17	4.3	19.9
9.02	5.0E-05	0.01	74.4	1.56	7	48.5	22.4	70.9	16.8	40	46.5	10.0	-0.20	4.7	23.7
9.19	5.0E-05	0.00	72.1	1.83	7	47.5	27.3	74.8	18.7	40	45.9	10.0	-0.22	5.5	24.1
9.35	5.0E-05	0.00	69.7	2.25	7	46.3	35.1	81.4	21.1	40	45.2	10.0	-0.24	6.7	24.8
9.51	5.0E-05	0.00	67.7	1.46	7	45.4	22.0	67.4	17.2	40	44.7	10.0	-0.19	4.6	22.3
9.68	5.0E-04	0.00	65.8	0.82	9	44.6	12.2	56.7	13.0	40	44.1	1.0	-0.13	2.3	16.8
9.84	5.0E-04	0.00	70.4	0.63	9	48.0	8.8	56.8	10.8	40	46.2	1.0	-0.12	1.7	17.3
10.01	5.0E-04	0.00	83.8	0.67	9	57.5	8.1	65.7	9.6	42	51.4	1.0	-0.14	1.6	20.3
10.17	5.0E-03	0.00	111.6	0.51	9	77.1	2.4	79.4	6.1	42	59.8	1.0	-0.14	0.4	19.2
10.33	5.0E-03	0.00	114.4	0.48	9	79.6	0.0	79.6	5.0	42	60.7	1.0	-0.13	0.0	19.5
10.50	5.0E-03	0.00	100.7	0.59	9	70.8	5.1	75.8	7.5	42	57.4	1.0	-0.14	0.8	18.1
10.66	5.0E-04	0.00	84.3	0.69	9	59.8	8.7	68.6	9.8	42	52.5	1.0	-0.14	1.7	21.2
10.83	5.0E-04	0.00	73.6	0.70	9	52.8	10.1	62.9	11.0	40	49.0	1.0	-0.13	1.9	19.1
10.99	5.0E-04	0.00	63.6	0.80	9	46.0	13.0	59.0	13.2	40	45.0	1.0	-0.13	2.4	17.4
11.15	5.0E-04	0.00	56.6	1.05	7	41.3	18.1	59.5	16.4	40	42.0	1.0	-0.14	3.2	16.7
11.32	5.0E-05	0.00	55.8	1.35	7	41.1	23.5	64.6	18.6	40	41.8	10.0	-0.16	4.7	20.8
11.48	5.0E-04	0.00	61.8	1.17	7	45.8	19.8	65.5	16.3	40	44.9	1.0	-0.16	3.5	18.4
11.65	5.0E-04	0.00	74.4	0.89	9	55.3	13.6	69.0	12.4	40	50.3	1.0	-0.15	2.5	20.6
.81	5.0E-04	0.00	79.0	0.67	9	59.2	9.3	68.5	10.1	42	52.2	1.0	-0.13	1.8	21.1
.97	5.0E-03	0.00	91.5	0.57	9	68.9	6.1	74.9	8.0	42	56.6	1.0	-0.13	0.9	17.7
12.14	5.0E-03	0.00	100.2	0.60	9	75.9	5.6	81.5	7.6	42	59.4	1.0	-0.14	0.8	19.4
12.30	5.0E-03	0.00	96.1	0.74	9	73.3	8.9	82.2	9.0	42	58.4	1.0	-0.16	1.3	19.2
12.47	5.0E-03	0.00	91.6	0.78	9	70.4	10.3	80.7	9.8	42	57.2	1.0	-0.16	1.5	18.7
12.63	5.0E-03	0.00	94.2	0.87	9	72.9	11.8	84.7	10.2	42	58.2	1.0	-0.17	1.7	19.5
12.80	5.0E-03	0.00	98.7	0.82	9	76.9	10.4	87.3	9.5	42	59.7	1.0	-0.17	1.5	20.3
12.96	5.0E-03	0.00	109.8	0.70	9	86.0	6.8	92.8	7.7	42	63.0	1.0	-0.16	1.0	22.0
13.12	5.0E-03	0.00	104.8	0.75	9	82.6	8.5	91.1	8.5	42	61.8	1.0	-0.17	1.3	21.5
13.29	5.0E-03	0.00	97.8	0.81	9	77.7	10.5	88.2	9.5	42	60.0	1.0	-0.17	1.5	20.5
13.45	5.0E-03	0.00	91.9	0.80	9	73.5	11.1	84.6	9.9	42	58.5	1.0	-0.16	1.6	19.6
13.62	5.0E-03	0.00	90.7	0.78	9	73.0	10.9	84.0	9.9	42	58.3	1.0	-0.16	1.6	19.5
13.78	5.0E-03	0.00	97.3	0.78	9	78.8	10.2	89.0	9.3	42	60.4	1.0	-0.16	1.5	20.8
13.94	5.0E-03	0.00	109.9	0.81	9	89.4	9.3	98.8	8.5	42	64.1	1.0	-0.18	1.4	23.3
14.11	5.0E-03	0.00	121.6	0.80	9	99.5	8.0	107.5	7.8	42	67.1	1.0	-0.19	1.2	25.5
14.27	5.0E-03	0.00	112.2	0.87	9	92.4	10.6	103.1	8.9	42	65.0	1.0	-0.19	1.6	24.2
14.44	5.0E-03	0.00	101.3	0.89	9	84.0	12.2	96.2	9.7	42	62.3	1.0	-0.18	1.8	22.3
14.60	5.0E-03	0.00	99.8	0.79	9	83.3	10.4	93.7	9.2	42	62.0	1.0	-0.17	1.5	21.9
14.76	5.0E-03	0.00	87.4	0.83	9	73.4	12.7	86.1	10.5	42	58.4	1.0	-0.16	1.8	19.8
14.93	5.0E-04	0.00	73.4	0.92	9	62.2	16.3	78.4	12.8	40	53.6	1.0	-0.15	3.0	23.3
15.09	5.0E-04	0.00	64.3	1.23	7	54.8	23.6	78.5	16.3	40	50.1	1.0	-0.16	4.2	22.0
15.26	5.0E-04	0.00	55.7	1.84	7	47.9	38.1	86.0	21.6	40	46.2	1.0	-0.19	6.0	21.6
15.42	5.0E-05	0.00	47.9	2.53	7	41.6	59.5	101.0	27.0	38	42.1	6.0	-0.22	9.5	25.8
15.58	5.0E-05	0.00	49.4	2.48	7	43.1	57.4	100.5	26.4	38	43.1	6.0	-0.22	9.4	26.2
15.75	5.0E-05	0.00	51.4	2.28	7	45.0	51.2	96.2	24.9	38	44.4	10.0	-0.21	8.8	26.4
15.91	5.0E-05	0.00	48.6	2.04	7	42.8	46.1	88.9	24.4	38	42.9	6.0	-0.19	8.0	24.8
16.08	5.0E-04	0.00	54.9	1.56	7	48.5	32.9	81.4	20.1	40	46.6	1.0	-0.17	5.3	21.2
16.24	5.0E-04	0.00	69.7	1.29	7	61.6	25.1	86.7	15.8	40	53.4	1.0	-0.18	4.4	24.5
16.40	5.0E-04	0.00	83.6	1.24	9	74.1	22.7	96.8	13.8	42	58.7	1.0	-0.19	4.2	28.3
16.57	5.0E-03	0.00	94.4	1.09	9	84.0	18.3	102.4	11.7	42	62.3	1.0	-0.19	2.6	23.2
16.73	5.0E-03	0.00	85.1	0.73	9	76.2	11.8	88.0	10.0	42	59.5	1.0	-0.14	1.7	20.4
16.90	5.0E-03	0.00	82.3	0.74	9	74.1	12.3	86.4	10.3	42	58.7	1.0	-0.14	1.8	19.9
06	5.0E-03	0.00	83.7	0.79	9	75.7	13.3	89.0	10.6	42	59.3	1.0	-0.15	1.9	20.4
.22	5.0E-04	0.00	72.3	1.08	9	65.9	21.2	87.1	14.1	40	55.3	1.0	-0.16	3.9	25.4
17.39	5.0E-04	0.00	64.2	1.54	7	58.9	32.3	91.2	18.3	40	52.1	1.0	-0.19	5.5	24.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.00	54.3	2.21	7	50.2	51.1	101.3	23.9	40	47.5	10.0	-0.21	9.1	28.7
17.72	5.0E-05	0.00	50.4	2.73	7	46.8	69.1	115.9	27.3	38	45.5	10.0	-0.23	10.9	29.2
17.88	5.0E-05	0.00	45.2	2.84	6	42.3	78.1	120.4	29.3	38	42.6	6.0	-0.23	11.3	27.9
18.04	5.0E-05	0.00	47.5	2.20	7	44.6	54.1	98.7	25.5	38	44.1	6.0	-0.19	9.1	26.6
18.21	5.0E-04	0.00	48.5	1.78	7	45.7	42.3	88.1	23.0	38	44.9	1.0	-0.17	6.4	21.3
18.37	5.0E-05	0.00	48.1	2.13	7	45.5	52.4	97.9	25.0	38	44.7	6.0	-0.19	9.0	26.8
18.54	5.0E-05	0.00	41.6	2.36	7	39.8	64.3	104.1	28.1	38	40.8	6.0	-0.19	9.8	25.4
18.70	5.0E-05	0.00	38.4	2.56	6	36.9	77.0	113.9	30.3	38	38.7	6.0	-0.19	10.6	25.0
18.86	5.0E-05	0.00	36.7	2.16	7	35.5	62.3	97.8	28.9	38	37.6	6.0	-0.16	9.2	23.1
19.03	5.0E-05	0.01	39.0	2.79	6	37.8	87.5	125.3	31.2	38	39.4	6.0	-0.20	11.5	26.3
19.19	5.0E-05	0.00	35.3	2.47	6	34.5	79.2	113.7	31.1	38	36.8	6.0	-0.18	10.4	23.9
19.36	5.0E-05	0.00	38.0	2.25	7	37.2	65.4	102.5	28.9	38	38.9	6.0	-0.17	9.6	24.2
19.52	5.0E-05	0.00	33.0	2.70	6	32.6	100.0	132.6	33.3	36	35.1	6.0	-0.18	11.4	24.1
19.68	5.0E-05	0.00	30.8	2.36	6	30.6	85.9	116.4	32.6	36	33.3	6.0	-0.15	10.2	22.2
19.85	5.0E-05	0.01	27.6	2.53	6	27.7	110.6	138.3	35.3	36	30.4	6.0	-0.15	10.8	21.7
20.01	5.0E-05	0.01	30.6	1.67	7	30.6	52.4	83.0	28.6	36	33.4	6.0	-0.12	7.8	19.8
20.18	5.0E-05	0.01	35.6	1.62	7	35.6	46.1	81.7	26.1	38	37.7	6.0	-0.13	7.6	21.5
20.34	5.0E-04	0.00	37.6	1.66	7	37.7	46.1	83.8	25.6	38	39.3	1.0	-0.14	6.4	18.8
20.51	5.0E-05	0.00	35.0	1.91	7	35.3	57.2	92.5	28.2	38	37.4	6.0	-0.15	8.7	22.5
20.67	5.0E-04	0.00	38.0	1.64	7	38.4	45.7	84.1	25.3	38	39.8	1.0	-0.14	6.4	19.0
20.83	5.0E-04	0.00	41.4	1.47	7	41.9	39.2	81.1	23.1	38	42.3	1.0	-0.14	5.9	19.6
21.00	5.0E-04	0.00	43.1	1.56	7	43.8	41.1	84.9	23.1	38	43.6	1.0	-0.15	6.2	20.5
21.16	5.0E-04	0.00	43.0	1.55	7	43.8	41.1	84.9	23.1	38	43.6	1.0	-0.15	6.2	20.5
21.33	5.0E-04	0.00	42.8	1.52	7	43.8	40.5	84.3	23.0	38	43.6	1.0	-0.14	6.1	20.4
21.49	5.0E-04	0.00	42.4	1.37	7	43.6	36.5	80.1	22.1	38	43.5	1.0	-0.13	5.7	19.9
21.65	5.0E-04	0.00	41.2	1.44	7	42.5	39.2	81.8	23.0	38	42.8	1.0	-0.14	6.0	19.8
21.82	5.0E-04	0.00	42.5	1.54	7	44.0	41.7	85.7	23.2	38	43.7	1.0	-0.14	6.3	20.6
21.98	5.0E-04	0.00	43.9	1.44	7	45.6	38.5	84.0	22.1	38	44.8	1.0	-0.14	6.0	20.8
22.15	5.0E-04	0.00	41.6	1.49	7	43.4	40.7	84.2	23.1	38	43.4	1.0	-0.14	6.2	20.3
.31	5.0E-04	0.00	36.6	1.53	7	38.5	44.6	83.1	25.1	38	39.9	1.0	-0.13	6.3	18.9
22.47	5.0E-05	0.00	32.8	1.80	7	34.7	58.2	92.9	28.5	36	36.9	6.0	-0.13	8.8	22.3
22.64	5.0E-05	0.00	29.1	2.08	6	31.1	79.1	110.2	31.9	36	33.8	6.0	-0.13	9.9	22.1
22.80	5.0E-05	0.00	30.2	1.99	7	32.3	71.8	104.1	30.8	36	34.9	6.0	-0.13	9.6	22.2
22.97	5.0E-05	0.00	26.6	2.24	6	28.6	103.9	132.5	34.4	36	31.4	6.0	-0.13	10.8	22.0
23.13	5.0E-05	0.00	23.8	2.52	6	25.9	103.6	129.5	37.7	34	30.0	6.0	-0.13	10.1	20.3
23.29	5.0E-05	0.01	22.1	2.23	6	24.1	96.5	120.6	37.4	34	30.0	6.0	-0.11	9.4	18.9
23.46	5.0E-05	0.01	22.3	2.07	6	24.4	97.8	122.2	36.3	34	30.0	6.0	-0.10	9.6	19.1
23.62	5.0E-05	0.01	22.7	1.83	6	25.0	91.8	116.8	34.4	34	30.0	6.0	-0.09	9.5	19.3
23.79	5.0E-05	0.01	26.6	1.68	7	29.2	65.0	94.2	30.8	36	32.0	6.0	-0.10	8.7	20.1
23.95	5.0E-05	0.01	26.2	1.89	6	28.8	79.6	108.5	32.5	34	31.6	6.0	-0.11	9.6	20.9
24.11	5.0E-05	0.01	26.6	1.88	7	29.4	77.7	107.1	32.2	36	32.2	6.0	-0.11	9.6	21.1
24.28	5.0E-05	0.02	21.8	1.96	6	24.4	97.6	122.0	36.0	34	30.0	6.0	-0.10	9.6	19.1
24.44	5.0E-05	0.02	22.3	1.95	6	25.0	100.0	125.1	35.5	34	30.0	6.0	-0.10	9.8	19.6
24.61	5.0E-05	0.02	25.9	1.57	7	28.9	62.2	91.1	30.6	34	31.7	6.0	-0.09	8.4	19.8
24.77	5.0E-05	0.02	25.0	1.71	7	28.1	73.3	101.3	32.1	34	30.9	6.0	-0.10	9.1	20.1
24.93	5.0E-04	0.02	29.9	1.67	7	33.5	59.5	93.0	29.0	36	35.9	1.0	-0.11	7.3	18.2
25.10	5.0E-05	0.00	31.5	1.91	7	35.3	68.6	103.9	29.7	36	37.4	6.0	-0.13	9.7	23.5
25.26	5.0E-05	0.00	32.2	1.98	7	36.2	71.1	107.2	29.8	36	38.1	6.0	-0.14	10.0	24.2
25.43	5.0E-05	0.01	31.3	2.21	6	35.3	85.9	121.2	31.5	36	37.4	6.0	-0.15	11.0	24.8
25.59	5.0E-05	0.01	31.1	2.08	7	35.2	79.1	114.3	30.9	36	37.3	6.0	-0.14	10.5	24.3
25.75	5.0E-04	0.01	38.3	1.80	7	43.2	56.5	99.8	26.2	38	43.2	1.0	-0.15	7.7	21.8
25.92	5.0E-04	0.00	46.7	1.16	7	52.7	33.0	85.6	19.4	38	48.9	1.0	-0.13	5.4	22.6
26.08	5.0E-03	0.00	56.1	0.98	7	63.2	26.0	89.3	15.9	40	54.1	1.0	-0.13	3.5	18.9
26.25	5.0E-03	0.00	62.3	0.87	9	70.4	22.3	92.7	14.0	40	57.2	1.0	-0.13	3.0	20.3
26.41	5.0E-03	0.00	64.6	0.89	9	73.1	22.3	95.4	13.7	40	58.3	1.0	-0.14	3.1	20.9
26.57	5.0E-03	0.00	64.2	0.92	9	72.9	23.3	96.3	14.1	40	58.2	1.0	-0.14	3.2	21.0
26.74	5.0E-03	0.00	67.5	0.93	9	76.8	23.0	99.8	13.6	40	59.7	1.0	-0.14	3.2	22.0
26.90	5.0E-03	0.00	72.2	1.06	9	82.4	25.9	108.3	14.0	40	61.7	1.0	-0.16	3.5	23.7
27.07	5.0E-03	0.00	83.0	1.08	9	94.8	24.9	119.7	12.8	42	65.8	1.0	-0.18	3.5	26.7
27.23	5.0E-03	0.00	89.0	1.24	9	101.9	28.7	130.6	13.2	42	67.8	1.0	-0.20	4.0	28.9
27.39	5.0E-03	0.00	83.4	1.39	7	95.8	33.7	129.5	14.7	42	66.1	1.0	-0.20	4.6	28.0
.56	5.0E-04	0.00	63.4	1.65	7	73.3	44.0	117.3	19.0	40	58.4	1.0	-0.19	7.3	31.3
27.72	5.0E-04	0.00	51.9	1.94	7	60.5	56.1	116.6	23.0	38	52.9	1.0	-0.19	8.5	28.2
27.89	5.0E-05	0.00	41.2	2.70	6	48.4	96.4	144.8	29.9	38	46.5	6.0	-0.21	13.5	32.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5133
CPT File: 315CP33.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-05	0.00	32.6	3.16	6	38.6	154.6	193.2	35.6	36	40.0	6.0	-0.20	15.1	30.3
28.21	5.0E-06	0.00	33.0	3.28	6	39.2	156.9	196.1	35.9	UnDef	UnDef	6.0	UnDef	19.2	38.4
28.38	5.0E-04	0.00	46.0	1.94	7	54.4	59.2	113.6	24.5	38	49.8	1.0	-0.18	8.6	26.3
28.54	5.0E-03	0.00	63.6	1.34	7	74.9	35.8	110.7	17.1	40	59.0	1.0	-0.17	4.6	23.0
28.71	5.0E-03	0.00	72.3	1.18	7	85.2	30.0	115.3	14.8	40	62.7	1.0	-0.17	4.1	24.9
28.87	5.0E-03	0.00	93.7	1.07	9	110.4	23.9	134.3	11.7	42	70.1	1.0	-0.19	3.4	30.4
29.04	5.0E-03	0.00	111.7	1.47	9	131.8	33.5	165.3	12.6	42	75.2	1.0	-0.24	4.7	36.9
29.20	5.0E-03	0.00	114.3	1.77	7	135.2	42.6	177.8	14.0	42	75.9	1.0	-0.26	5.8	38.9
29.36	5.0E-04	0.00	96.9	2.41	7	115.2	64.6	179.8	18.5	42	71.3	1.0	-0.29	10.9	48.5
29.53	5.0E-02	0.00	126.8	0.01	10	150.8	0.0	150.8	3.7	44	79.0	1.0	0.17	0.0	29.5
29.69	5.0E+00	0.00	150.9	0.01	10	179.8	0.0	179.8	3.3	44	84.1	1.0	0.16	0.0	29.3

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
?'n No: 99-0525-1349-5177
› No: 99-315
.ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-34
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 08:09
CPT File: 315CP34.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.2	0.06	1.43	-3.6	1	74.5	0.01	0.01	0.00	2.00	2.0	4.0	0.34	0.00
0.33	7.7	0.17	2.22	-3.9	4	79.6	0.01	0.01	0.00	2.00	4.9	9.8	0.61	0.00
0.49	9.9	0.25	2.54	-7.5	5	85.3	0.02	0.02	0.00	2.00	4.7	9.5	0.79	0.00
0.66	9.5	0.32	3.36	-11.2	3	74.5	0.03	0.03	0.00	2.00	9.1	18.3	0.76	0.00
0.82	12.8	0.24	1.89	-6.4	5	85.3	0.03	0.03	0.00	2.00	6.1	12.2	1.02	0.00
0.98	15.1	0.14	0.93	-3.7	6	98.7	0.04	0.04	0.00	2.00	5.8	11.5	1.20	0.00
1.15	13.9	0.06	0.43	-3.6	6	98.7	0.05	0.05	0.00	2.00	5.3	10.7	1.11	0.00
31	12.6	0.08	0.63	-3.6	6	98.7	0.06	0.06	0.00	2.00	4.8	9.7	1.01	0.00
..48	11.4	0.08	0.70	-3.6	6	98.7	0.06	0.06	0.00	2.00	4.4	8.8	0.91	0.00
1.64	12.2	0.11	0.90	-3.7	6	98.7	0.07	0.07	0.00	2.00	4.7	9.3	0.97	0.00
1.80	20.4	0.30	1.48	-3.7	6	98.7	0.08	0.08	0.00	2.00	7.8	15.6	1.62	0.09
1.97	34.0	0.42	1.24	-3.6	7	98.7	0.09	0.09	0.00	2.00	10.9	21.7	UnDef	0.11
2.13	30.5	0.48	1.58	-3.7	6	98.7	0.10	0.10	0.00	2.00	11.7	23.3	2.43	0.10
2.30	20.8	0.59	2.84	-3.7	5	85.3	0.10	0.10	0.00	2.00	10.0	19.9	1.66	0.00
2.46	14.7	0.30	2.05	-3.7	5	85.3	0.11	0.11	0.00	2.00	7.0	14.1	1.17	0.08
2.62	13.4	0.28	2.09	-3.8	5	85.3	0.12	0.12	0.00	2.00	6.4	12.8	1.06	0.08
2.79	16.8	0.30	1.79	-3.2	6	98.7	0.13	0.13	0.00	2.00	6.4	12.9	1.33	0.09
2.95	19.6	0.43	2.20	-3.2	6	98.7	0.13	0.13	0.00	2.00	7.5	15.0	1.56	0.09
3.12	19.4	0.46	2.38	-3.5	5	85.3	0.14	0.14	0.00	2.00	9.3	18.5	1.54	0.09
3.28	18.0	0.37	2.07	-2.8	6	98.7	0.15	0.15	0.00	2.00	6.9	13.8	1.42	0.09
3.44	18.1	0.36	1.99	-2.0	6	98.7	0.16	0.16	0.00	2.00	7.0	13.9	1.44	0.09
3.61	18.5	0.37	2.01	-2.7	6	98.7	0.16	0.16	0.00	2.00	7.1	14.1	1.46	0.09
3.77	18.3	0.41	2.25	-8.2	5	85.3	0.17	0.17	0.00	2.00	8.8	17.5	1.45	0.09
3.94	17.5	0.43	2.46	-5.1	5	85.3	0.18	0.18	0.00	2.00	8.4	16.7	1.38	0.09
4.10	17.5	0.43	2.47	-6.0	5	85.3	0.19	0.19	0.00	2.00	8.4	16.7	1.38	0.09
4.27	15.9	0.45	2.84	-11.9	5	85.3	0.19	0.19	0.00	2.00	7.6	15.2	1.25	0.10
4.43	14.1	0.47	3.33	-10.9	4	79.6	0.20	0.20	0.00	2.00	9.0	18.1	1.12	0.10
4.59	14.0	0.51	3.64	-5.9	4	79.6	0.21	0.21	0.00	2.00	9.0	17.9	1.11	0.11
4.76	13.0	0.45	3.46	-4.2	4	79.6	0.21	0.21	0.00	2.00	8.3	16.6	1.02	0.11
4.92	11.9	0.37	3.12	-3.7	4	79.6	0.22	0.22	0.00	2.00	7.6	15.2	0.93	0.10
5.09	11.0	0.32	2.90	-3.7	4	79.6	0.23	0.23	0.00	2.00	7.1	14.1	0.87	0.10
5.25	10.2	0.33	3.26	-3.6	4	79.6	0.23	0.23	0.00	2.00	6.5	13.0	0.79	0.11
5.41	10.1	0.33	3.28	-3.3	4	79.6	0.24	0.24	0.00	2.00	6.4	12.9	0.79	0.12
5.58	9.3	0.34	3.68	-4.2	3	74.5	0.25	0.25	0.00	2.00	8.9	17.7	0.72	0.14
5.74	7.9	0.45	5.69	-3.7	3	74.5	0.25	0.25	0.00	1.99	7.6	15.1	0.61	0.00
5.91	10.2	0.43	4.24	-3.6	3	74.5	0.26	0.26	0.00	1.97	9.7	19.2	0.79	0.17
6.07	13.3	0.50	3.77	-3.1	3	74.5	0.26	0.26	0.00	1.95	12.7	24.8	1.04	0.15
6.23	13.1	0.51	3.90	-3.0	3	74.5	0.27	0.27	0.00	1.92	12.5	24.1	1.03	0.17
<.40	12.9	0.48	3.73	-2.5	3	74.5	0.28	0.28	0.00	1.90	12.4	23.5	1.01	0.16
56	12.6	0.41	3.26	-2.1	4	79.6	0.28	0.28	0.00	1.88	8.0	15.1	0.98	0.13
..73	12.8	0.40	3.14	-1.4	4	79.6	0.29	0.29	0.00	1.86	8.2	15.2	1.00	0.13
6.89	13.3	0.40	3.01	-0.3	4	79.6	0.30	0.30	0.00	1.84	8.5	15.6	1.04	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

pth .t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60	(N1)60 (blows/ft)	Su (tsf)	CRR
7.05	12.6	0.44	3.50	1.1	4	79.6	0.30	0.30	0.00	1.82	8.0	14.6	0.98	0.17
7.22	13.0	0.47	3.61	-1.5	3	74.5	0.31	0.31	0.00	1.80	12.5	22.5	1.02	0.19
7.38	13.6	0.45	3.31	-1.5	4	79.6	0.31	0.31	0.00	1.78	8.7	15.5	1.06	0.15
7.55	12.5	0.44	3.54	-2.4	4	79.6	0.32	0.32	0.00	1.76	8.0	14.0	0.97	0.20
7.71	11.0	0.43	3.92	-2.4	3	74.5	0.33	0.33	0.00	1.75	10.5	18.4	0.85	0.16
7.87	12.5	0.42	3.38	-1.5	4	79.6	0.33	0.33	0.00	1.73	8.0	13.8	0.97	0.19
8.04	14.1	0.47	3.33	-1.5	4	79.6	0.34	0.34	0.00	1.71	9.0	15.5	1.10	0.17
8.20	14.3	0.50	3.52	-1.0	4	79.6	0.35	0.35	0.00	1.70	9.1	15.4	1.11	0.20
8.37	12.2	0.48	3.94	0.0	3	74.5	0.35	0.35	0.00	1.68	11.7	19.7	0.95	0.17
8.53	13.2	0.47	3.56	-1.1	4	79.6	0.36	0.36	0.00	1.67	8.4	14.1	1.03	0.20
8.69	12.3	0.44	3.59	-0.4	3	74.5	0.37	0.37	0.00	1.65	11.8	19.4	0.95	0.17
8.86	10.5	0.42	3.99	-2.2	3	74.5	0.37	0.37	0.00	1.64	10.1	16.6	0.81	0.14
9.02	12.3	0.66	5.37	-2.2	3	74.5	0.38	0.38	0.00	1.63	11.8	19.2	0.96	0.00
9.19	14.4	0.72	5.02	-1.1	3	74.5	0.38	0.38	0.00	1.61	13.8	22.2	1.12	0.00
9.35	19.2	0.77	4.01	-3.1	3	74.5	0.39	0.39	0.00	1.60	18.4	29.5	1.51	0.26
9.51	18.7	0.66	3.54	0.4	4	79.6	0.40	0.40	0.00	1.59	11.9	18.9	1.46	0.19
9.68	26.9	0.51	1.90	4.0	6	98.7	0.40	0.40	0.00	1.57	10.3	16.2	2.12	0.11
9.84	38.3	0.35	0.92	-1.6	7	98.7	0.41	0.41	0.00	1.56	12.2	19.1	UnDef	0.11
10.01	45.3	0.30	0.66	-2.5	7	98.7	0.42	0.42	0.00	1.54	14.5	22.3	UnDef	0.12
10.17	49.6	0.37	0.75	-2.9	7	98.7	0.43	0.43	0.00	1.53	15.8	24.2	UnDef	0.13
10.33	50.0	0.41	0.82	-2.9	7	98.7	0.44	0.44	0.00	1.51	16.0	24.2	UnDef	0.13
10.50	46.0	0.46	1.00	-2.8	7	98.7	0.44	0.44	0.00	1.50	14.7	22.0	UnDef	0.13
10.66	43.8	0.47	1.08	-3.0	7	98.7	0.45	0.45	0.00	1.49	14.0	20.8	UnDef	0.12
10.83	43.4	0.52	1.20	-3.0	7	98.7	0.46	0.46	0.00	1.47	13.8	20.4	UnDef	0.13
10.99	42.2	0.53	1.26	-3.0	7	98.7	0.47	0.47	0.00	1.46	13.5	19.7	UnDef	0.12
11.15	40.8	0.51	1.25	-3.0	7	98.7	0.48	0.48	0.00	1.45	13.0	18.9	UnDef	0.12
11.32	40.0	0.49	1.23	-3.1	7	98.7	0.48	0.48	0.00	1.44	12.8	18.3	UnDef	0.12
11.48	40.5	0.50	1.24	-2.7	7	98.7	0.49	0.49	0.00	1.42	12.9	18.4	UnDef	0.12
11.65	41.5	0.49	1.18	-3.0	7	98.7	0.50	0.50	0.00	1.41	13.2	18.7	UnDef	0.12
.81	46.0	0.52	1.13	-3.0	7	98.7	0.51	0.51	0.00	1.40	14.7	20.6	UnDef	0.13
..97	46.0	0.56	1.22	-3.0	7	98.7	0.52	0.52	0.00	1.39	14.7	20.4	UnDef	0.13
12.14	44.8	0.56	1.25	-3.0	7	98.7	0.53	0.53	0.00	1.38	14.3	19.7	UnDef	0.13
12.30	44.9	0.61	1.36	-3.2	7	98.7	0.53	0.53	0.00	1.37	14.3	19.6	UnDef	0.13
12.47	45.9	0.50	1.09	-3.0	7	98.7	0.54	0.54	0.00	1.36	14.7	19.9	UnDef	0.12
12.63	48.2	0.48	1.00	-2.2	7	98.7	0.55	0.55	0.00	1.35	15.4	20.8	UnDef	0.12
12.80	50.7	0.49	0.97	-2.1	7	98.7	0.56	0.56	0.00	1.34	16.2	21.7	UnDef	0.13
12.96	58.1	0.61	1.05	-2.2	7	98.7	0.57	0.57	0.00	1.33	18.6	24.7	UnDef	0.15
13.12	61.0	0.70	1.15	-2.0	7	98.7	0.57	0.57	0.00	1.32	19.5	25.7	UnDef	0.16
13.29	59.5	0.65	1.09	-1.9	7	98.7	0.58	0.58	0.00	1.31	19.0	24.9	UnDef	0.15
13.45	57.1	0.58	1.02	-2.2	7	98.7	0.59	0.59	0.00	1.30	18.2	23.7	UnDef	0.14
13.62	56.2	0.51	0.91	-2.3	7	98.7	0.60	0.60	0.00	1.29	17.9	23.2	UnDef	0.13
13.78	54.2	0.51	0.94	-2.2	7	98.7	0.61	0.61	0.00	1.28	17.3	22.2	UnDef	0.13
13.94	52.5	0.56	1.07	-2.1	7	98.7	0.61	0.61	0.00	1.28	16.8	21.4	UnDef	0.13
14.11	57.4	0.67	1.17	-2.0	7	98.7	0.62	0.62	0.00	1.27	18.3	23.2	UnDef	0.15
14.27	66.9	0.81	1.21	-2.3	7	98.7	0.63	0.63	0.00	1.26	21.4	26.9	UnDef	0.17
14.44	69.5	0.86	1.24	-1.9	7	98.7	0.64	0.64	0.00	1.25	22.2	27.8	UnDef	0.18
14.60	72.6	0.86	1.19	-2.2	8	101.8	0.65	0.65	0.00	1.24	17.4	21.6	UnDef	0.19
14.76	73.4	0.74	1.01	-2.3	8	101.8	0.66	0.66	0.00	1.24	17.6	21.7	UnDef	0.18
14.93	69.2	0.72	1.04	-2.4	8	101.8	0.66	0.66	0.00	1.23	16.6	20.4	UnDef	0.17
15.09	67.5	0.72	1.07	-2.2	8	101.8	0.67	0.67	0.00	1.22	16.2	19.7	UnDef	0.16
15.26	66.6	0.71	1.07	-2.3	8	101.8	0.68	0.68	0.00	1.21	15.9	19.3	UnDef	0.16
15.42	60.5	0.65	1.08	-2.4	7	98.7	0.69	0.69	0.00	1.21	19.3	23.3	UnDef	0.15
15.58	54.8	0.59	1.08	-2.3	7	98.7	0.70	0.70	0.00	1.20	17.5	20.9	UnDef	0.13
15.75	48.0	0.47	0.98	-2.5	7	98.7	0.70	0.70	0.00	1.19	15.3	18.3	UnDef	0.12
15.91	39.0	0.49	1.26	-1.8	7	98.7	0.71	0.71	0.00	1.18	12.5	14.8	UnDef	0.11
16.08	36.0	0.50	1.39	-1.7	7	98.7	0.72	0.72	0.00	1.18	11.5	13.5	UnDef	0.11
16.24	39.8	0.56	1.41	-1.1	7	98.7	0.73	0.73	0.00	1.17	12.7	14.9	UnDef	0.12
16.40	42.9	0.48	1.12	-1.9	7	98.7	0.74	0.74	0.00	1.16	13.7	15.9	UnDef	0.11
16.57	52.0	0.45	0.87	-1.8	7	98.7	0.75	0.75	0.00	1.16	16.6	19.2	UnDef	0.12
16.73	60.4	0.56	0.93	-1.5	8	101.8	0.75	0.75	0.00	1.15	14.5	16.7	UnDef	0.14
16.90	67.8	0.66	0.98	-1.7	8	101.8	0.76	0.76	0.00	1.15	16.2	18.6	UnDef	0.15
06	66.1	0.68	1.03	-1.5	8	101.8	0.77	0.77	0.00	1.14	15.8	18.0	UnDef	0.15
..22	62.4	0.68	1.09	-1.6	7	98.7	0.78	0.78	0.00	1.13	19.9	22.6	UnDef	0.15
7.39	68.0	0.69	1.02	-1.5	8	101.8	0.79	0.79	0.00	1.13	16.3	18.4	UnDef	0.15

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

pth .t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	72.2	0.79	1.10	-1.5	8	101.8	0.79	0.79	0.00	1.12	17.3	19.4	UnDef	0.17
17.72	80.8	0.84	1.04	-1.5	8	101.8	0.80	0.80	0.00	1.12	19.3	21.6	UnDef	0.19
17.88	85.3	0.85	1.00	-1.6	8	101.8	0.81	0.81	0.00	1.11	20.4	22.7	UnDef	0.20
18.04	74.7	0.75	1.01	-1.5	8	101.8	0.82	0.82	0.00	1.10	17.9	19.7	UnDef	0.17
18.21	63.8	0.69	1.08	-1.6	7	98.7	0.83	0.83	0.00	1.10	20.4	22.4	UnDef	0.15
18.37	51.9	0.84	1.62	-1.7	7	98.7	0.84	0.84	0.00	1.09	16.6	18.1	UnDef	0.15
18.54	47.3	1.19	2.52	-1.6	6	98.7	0.84	0.84	0.00	1.09	18.1	19.7	3.72	0.21
18.70	41.1	1.35	3.29	-0.2	5	85.3	0.85	0.85	0.00	1.08	19.7	21.3	3.22	0.34
18.86	39.6	1.26	3.19	1.0	5	85.3	0.86	0.86	0.00	1.08	18.9	20.4	3.10	0.33
19.03	44.4	0.96	2.17	1.0	6	98.7	0.87	0.87	0.00	1.07	17.0	18.3	3.48	0.17
19.19	44.5	1.01	2.28	-2.2	6	98.7	0.87	0.87	0.00	1.07	17.0	18.2	3.49	0.18
19.36	38.7	1.06	2.74	-0.9	6	98.7	0.88	0.88	0.00	1.06	14.8	15.8	3.03	0.24
19.52	36.7	1.11	3.03	-0.4	5	85.3	0.89	0.89	0.00	1.06	17.6	18.6	2.86	0.33
19.68	38.3	1.06	2.77	0.6	6	98.7	0.90	0.90	0.00	1.06	14.7	15.5	3.00	0.25
19.85	36.9	0.98	2.66	-0.8	6	98.7	0.91	0.91	0.00	1.05	14.1	14.8	2.88	0.24
20.01	31.3	0.88	2.82	1.2	5	85.3	0.91	0.91	0.00	1.05	15.0	15.7	2.43	0.36
20.18	29.5	0.78	2.65	4.1	6	98.7	0.92	0.92	0.00	1.04	11.3	11.8	2.28	0.34
20.34	34.3	0.73	2.13	5.0	6	98.7	0.93	0.93	0.00	1.04	13.2	13.6	2.67	0.17
20.51	37.9	0.84	2.22	3.2	6	98.7	0.94	0.94	0.00	1.03	14.5	15.0	2.96	0.18
20.67	38.4	0.88	2.30	0.7	6	98.7	0.95	0.95	0.00	1.03	14.7	15.1	3.00	0.19
20.83	40.3	0.80	1.99	1.2	6	98.7	0.95	0.95	0.00	1.02	15.4	15.8	3.14	0.16
21.00	42.5	0.84	1.98	0.7	6	98.7	0.96	0.96	0.00	1.02	16.3	16.6	3.32	0.16
21.16	43.1	0.85	1.98	-0.1	6	98.7	0.97	0.97	0.00	1.02	16.5	16.8	3.37	0.16
21.33	42.9	0.87	2.03	0.7	6	98.7	0.98	0.98	0.00	1.01	16.4	16.6	3.35	0.17
21.49	42.8	0.93	2.18	-0.2	6	98.7	0.99	0.99	0.00	1.01	16.4	16.5	3.35	0.18
21.65	42.6	0.90	2.12	-0.6	6	98.7	0.99	0.99	0.00	1.00	16.3	16.4	3.33	0.18
21.82	42.0	0.92	2.20	0.0	6	98.7	1.00	1.00	0.00	1.00	16.1	16.1	3.28	0.19
21.98	43.9	0.86	1.96	-1.0	6	98.7	1.01	1.01	0.00	1.00	16.8	16.7	3.43	0.17
22.15	45.9	0.84	1.84	-1.5	7	98.7	1.02	1.02	0.00	0.99	14.6	14.5	UnDef	0.16
.31	45.1	0.63	1.40	-1.4	7	98.7	1.03	1.03	0.00	0.99	14.4	14.2	UnDef	0.13
.47	42.7	0.60	1.41	-1.7	7	98.7	1.03	1.03	0.00	0.98	13.6	13.4	UnDef	0.13
22.64	39.4	0.72	1.83	-1.6	6	98.7	1.04	1.04	0.00	0.98	15.1	14.8	3.07	0.15
22.80	33.4	0.85	2.55	-1.4	6	98.7	1.05	1.05	0.00	0.98	12.8	12.5	2.58	0.35
22.97	30.5	0.92	3.02	-1.0	5	85.3	1.06	1.06	0.00	0.97	14.6	14.2	2.36	0.37
23.13	30.8	0.86	2.80	3.7	5	85.3	1.06	1.06	0.00	0.97	14.7	14.3	2.38	0.37
23.29	29.8	0.84	2.83	8.2	5	85.3	1.07	1.07	0.00	0.97	14.3	13.8	2.30	0.34
23.46	27.4	0.75	2.74	13.1	5	85.3	1.08	1.08	0.00	0.96	13.1	12.6	2.11	0.28
23.62	24.5	0.65	2.66	15.5	5	85.3	1.09	1.09	0.00	0.96	11.7	11.3	1.87	0.22
23.79	23.3	0.57	2.45	18.2	6	98.7	1.09	1.09	0.00	0.96	8.9	8.5	1.78	0.20
23.95	23.8	0.59	2.48	20.6	6	98.7	1.10	1.10	0.00	0.95	9.1	8.7	1.82	0.21
24.11	26.3	0.61	2.32	22.8	6	98.7	1.11	1.11	0.00	0.95	10.1	9.6	2.02	0.25
24.28	30.2	0.73	2.43	23.7	6	98.7	1.12	1.12	0.00	0.95	11.6	10.9	2.32	0.33
24.44	29.9	0.69	2.31	22.9	6	98.7	1.13	1.13	0.00	0.94	11.4	10.8	2.30	0.32
24.61	24.7	0.62	2.52	23.7	6	98.7	1.13	1.13	0.00	0.94	9.4	8.9	1.88	0.22
24.77	29.4	0.65	2.22	25.8	6	98.7	1.14	1.14	0.00	0.94	11.3	10.5	2.26	0.31
24.93	32.8	0.70	2.14	12.0	6	98.7	1.15	1.15	0.00	0.93	12.6	11.7	2.54	0.27
25.10	31.9	0.74	2.33	12.7	6	98.7	1.16	1.16	0.00	0.93	12.2	11.4	2.46	0.36
25.26	35.2	0.81	2.31	15.4	6	98.7	1.17	1.17	0.00	0.93	13.5	12.5	2.72	0.31
25.43	35.9	0.95	2.66	3.6	6	98.7	1.17	1.17	0.00	0.92	13.7	12.7	2.78	0.00
25.59	33.9	1.04	3.08	5.7	5	85.3	1.18	1.18	0.00	0.92	16.2	14.9	2.62	0.41
25.75	34.1	0.99	2.91	4.3	5	85.3	1.19	1.19	0.00	0.92	16.3	15.0	2.63	0.41
25.92	35.8	1.07	2.99	6.8	5	85.3	1.20	1.20	0.00	0.91	17.2	15.7	2.77	0.00
26.08	38.8	0.96	2.48	5.8	6	98.7	1.20	1.20	0.00	0.91	14.8	13.5	3.00	0.36
26.25	54.7	0.99	1.81	6.1	7	98.7	1.21	1.21	0.00	0.91	17.5	15.9	UnDef	0.18
26.41	56.2	1.22	2.18	2.7	6	98.7	1.22	1.22	0.00	0.91	21.5	19.5	4.40	0.22
26.57	43.1	1.23	2.86	3.0	6	98.7	1.23	1.23	0.00	0.90	16.5	14.9	3.35	0.00
26.74	51.5	1.32	2.57	4.7	6	98.7	1.24	1.24	0.00	0.90	19.7	17.8	4.02	0.31
26.90	56.3	1.20	2.14	2.1	6	98.7	1.24	1.24	0.00	0.90	21.6	19.3	4.41	0.22
27.07	55.2	1.36	2.47	1.9	6	98.7	1.25	1.25	0.00	0.89	21.2	18.9	4.32	0.28
27.23	53.4	1.43	2.68	0.7	6	98.7	1.26	1.26	0.00	0.89	20.5	18.2	4.17	0.34
27.39	53.4	1.49	2.80	1.7	6	98.7	1.27	1.27	0.00	0.89	20.4	18.2	4.17	0.39
56	52.3	1.63	3.13	0.6	6	98.7	1.28	1.28	0.00	0.89	20.0	17.7	4.08	0.00
.72	49.4	1.63	3.31	2.0	5	85.3	1.28	1.28	0.00	0.88	23.7	20.9	3.85	0.00
27.89	61.0	1.56	2.56	1.9	6	98.7	1.29	1.29	0.00	0.88	23.4	20.6	4.77	0.31

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	104.0	1.64	1.58	1.5	7	98.7	1.30	1.30	0.00	0.88	33.2	29.1	UnDef	0.28
28.21	134.7	1.84	1.37	-0.8	8	101.8	1.31	1.31	0.00	0.87	32.3	28.2	UnDef	0.37
28.38	173.4	0.02	0.01	-1.3	9	101.8	1.32	1.32	0.00	0.87	33.2	29.0	UnDef	0.38
28.54	193.8	0.02	0.01	-1.2	10	127.3	1.33	1.33	0.00	0.87	30.9	26.9	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5177
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-34
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 08:09
CPT File: 315CP34.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	-0.03	688.8	1.43	9	8.1	0.0	8.1	3.0	UnDef	UnDef	10.0	UnDef	0.0	4.0
0.33	5.0E-07	-0.02	615.5	2.23	12	14.7	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.49	5.0E-06	-0.02	513.9	2.54	12	18.9	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.66	5.0E-08	-0.04	369.7	3.37	12	18.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
0.82	5.0E-06	-0.02	394.2	1.89	9	24.4	1.2	25.6	6.8	UnDef	UnDef	10.0	UnDef	0.4	12.6
0.98	5.0E-05	-0.01	377.3	0.93	9	28.9	0.0	28.9	2.7	48	58.6	10.0	-0.31	0.0	11.5
1.15	5.0E-05	-0.01	289.6	0.43	10	26.7	0.0	26.7	0.6	46	53.7	10.0	-0.21	0.0	10.7
1.31	5.0E-05	-0.01	224.7	0.64	9	24.2	0.0	24.2	3.1	46	48.7	10.0	-0.22	0.0	9.7
.48	5.0E-05	-0.01	177.3	0.71	9	21.9	0.0	21.9	4.7	44	43.9	10.0	-0.21	0.0	8.8
..64	5.0E-05	-0.01	168.0	0.91	9	23.4	0.9	24.3	6.4	44	44.0	10.0	-0.23	0.2	9.6
1.80	5.0E-05	-0.01	252.7	1.48	9	39.0	2.4	41.4	7.2	46	57.2	10.0	-0.32	0.6	16.2
1.97	5.0E-04	0.00	384.2	1.24	9	65.2	0.0	65.2	4.1	48	70.5	1.0	-0.34	0.0	21.7
2.13	5.0E-05	0.00	314.8	1.58	9	58.4	2.5	60.8	6.5	46	66.1	10.0	-0.35	0.6	23.9
2.30	5.0E-06	-0.01	199.2	2.85	12	39.9	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.46	5.0E-06	-0.01	131.3	2.06	7	28.1	9.2	37.3	14.2	UnDef	UnDef	10.0	UnDef	2.6	16.6
2.62	5.0E-06	-0.01	112.7	2.11	7	25.7	10.3	36.0	15.7	UnDef	UnDef	10.0	UnDef	2.8	15.6
2.79	5.0E-05	-0.01	132.8	1.80	9	32.2	8.6	40.8	12.9	44	45.3	10.0	-0.28	2.0	14.8
2.95	5.0E-05	-0.01	145.7	2.21	7	37.6	11.9	49.5	14.0	44	48.8	10.0	-0.32	2.7	17.7
3.12	5.0E-06	-0.01	136.0	2.40	7	37.1	14.2	51.2	15.4	UnDef	UnDef	10.0	UnDef	3.9	22.4
3.28	5.0E-05	0.00	119.7	2.08	7	34.4	12.6	47.0	15.1	42	44.7	10.0	-0.29	2.8	16.5
3.44	5.0E-05	0.00	114.7	2.01	7	34.8	12.8	47.5	15.1	42	44.3	10.0	-0.28	2.8	16.7
3.61	5.0E-05	0.00	110.9	2.03	7	35.4	13.7	49.1	15.5	42	44.1	10.0	-0.28	3.0	17.1
3.77	5.0E-06	-0.01	105.1	2.27	7	35.1	16.6	51.7	17.0	UnDef	UnDef	10.0	UnDef	4.4	21.9
3.94	5.0E-06	-0.01	96.4	2.49	7	33.5	19.6	53.1	18.8	UnDef	UnDef	10.0	UnDef	5.0	21.8
4.10	5.0E-06	-0.01	92.8	2.49	7	33.5	20.5	54.0	19.2	UnDef	UnDef	10.0	UnDef	5.2	22.0
4.27	5.0E-06	-0.02	81.0	2.88	7	30.4	26.0	56.4	22.3	UnDef	UnDef	10.0	UnDef	6.2	21.3
4.43	5.0E-07	-0.02	69.6	3.38	7	27.1	34.4	61.5	26.0	UnDef	UnDef	10.0	UnDef	9.7	27.8
4.59	5.0E-07	-0.01	66.9	3.70	6	26.9	41.0	67.9	27.6	UnDef	UnDef	10.0	UnDef	10.9	28.8
4.76	5.0E-07	-0.01	60.1	3.52	6	24.9	41.2	66.1	28.3	UnDef	UnDef	10.0	UnDef	10.6	27.2
4.92	5.0E-07	-0.01	53.1	3.18	6	22.8	38.7	61.5	28.6	UnDef	UnDef	10.0	UnDef	9.9	25.0
5.09	5.0E-07	-0.01	47.8	2.96	6	21.2	38.1	59.2	29.1	UnDef	UnDef	6.0	UnDef	9.5	23.6
5.25	5.0E-07	-0.01	42.6	3.33	6	19.5	52.0	71.5	32.3	UnDef	UnDef	6.0	UnDef	10.8	23.8
5.41	5.0E-07	-0.01	41.1	3.36	6	19.3	56.3	75.6	32.9	UnDef	UnDef	6.0	UnDef	11.2	24.1
5.58	5.0E-08	-0.01	36.7	3.78	6	17.7	70.9	88.6	36.3	UnDef	UnDef	6.0	UnDef	17.7	35.4
5.74	5.0E-08	-0.02	30.5	5.88	1	15.2	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
5.91	5.0E-08	-0.01	38.4	4.35	6	19.5	77.8	97.3	37.7	UnDef	UnDef	6.0	UnDef	19.2	38.3
6.07	5.0E-08	-0.01	49.3	3.85	6	25.3	67.0	92.3	32.2	UnDef	UnDef	6.0	UnDef	20.6	45.4
6.23	5.0E-08	-0.01	47.5	3.99	6	24.7	75.4	100.1	33.2	UnDef	UnDef	6.0	UnDef	21.5	45.7
6.40	5.0E-08	-0.01	45.7	3.81	6	24.0	72.3	96.4	33.1	UnDef	UnDef	6.0	UnDef	20.8	44.3
6.56	5.0E-07	-0.01	43.6	3.34	6	23.2	59.6	82.8	32.0	UnDef	UnDef	6.0	UnDef	12.4	27.5
.73	5.0E-07	0.00	43.2	3.21	6	23.3	56.6	79.8	31.5	UnDef	UnDef	6.0	UnDef	12.1	27.3
6.89	5.0E-07	0.00	44.0	3.08	6	23.9	52.7	76.6	30.7	UnDef	UnDef	6.0	UnDef	11.8	27.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

Depth (m)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-07	0.00	40.7	3.58	6	22.4	76.4	98.8	33.9	UnDef	UnDef	6.0	UnDef	13.7	28.3
7.22	5.0E-08	0.00	41.3	3.70	6	23.0	81.5	104.4	34.2	UnDef	UnDef	6.0	UnDef	21.4	43.9
7.38	5.0E-07	0.00	42.3	3.39	6	23.7	66.7	90.5	32.6	UnDef	UnDef	6.0	UnDef	13.3	28.8
7.55	5.0E-07	-0.01	37.8	3.63	6	21.5	86.0	107.6	35.3	UnDef	UnDef	6.0	UnDef	14.0	28.1
7.71	5.0E-08	-0.01	32.5	4.04	6	18.8	75.1	93.9	39.3	UnDef	UnDef	6.0	UnDef	18.4	36.8
7.87	5.0E-07	0.00	36.3	3.47	6	21.1	84.4	105.5	35.2	UnDef	UnDef	6.0	UnDef	13.8	27.5
8.04	5.0E-07	0.00	40.5	3.42	6	23.7	73.9	97.5	33.4	UnDef	UnDef	6.0	UnDef	13.9	29.4
8.20	5.0E-07	0.00	40.1	3.61	6	23.7	84.7	108.4	34.3	UnDef	UnDef	6.0	UnDef	14.8	30.2
8.37	5.0E-08	0.00	33.6	4.05	6	20.1	80.5	100.6	38.8	UnDef	UnDef	6.0	UnDef	19.7	39.4
8.53	5.0E-07	0.00	35.8	3.66	6	21.6	86.3	107.9	36.2	UnDef	UnDef	6.0	UnDef	14.1	28.2
8.69	5.0E-08	0.00	32.6	3.70	6	19.9	79.5	99.3	37.9	UnDef	UnDef	6.0	UnDef	19.4	38.9
8.86	5.0E-08	-0.01	27.3	4.14	6	16.9	67.7	84.6	42.6	UnDef	UnDef	6.0	UnDef	16.6	33.1
9.02	5.0E-08	-0.01	31.6	5.54	1	19.6	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
9.19	5.0E-08	0.00	36.4	5.16	1	22.7	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
9.35	5.0E-08	-0.01	48.3	4.10	6	30.1	94.4	124.5	33.4	UnDef	UnDef	6.0	UnDef	26.6	56.1
9.51	5.0E-07	0.00	46.1	3.62	6	29.0	77.9	106.9	32.3	UnDef	UnDef	6.0	UnDef	15.8	34.8
9.68	5.0E-05	0.00	65.5	1.93	7	41.4	28.4	69.8	20.3	40	42.0	10.0	-0.21	5.5	21.7
9.84	5.0E-04	0.00	92.0	0.93	9	58.4	10.7	69.2	10.8	42	51.9	1.0	-0.17	2.0	21.1
10.01	5.0E-04	0.00	106.8	0.67	9	68.4	5.4	73.7	7.7	42	56.4	1.0	-0.16	1.1	23.4
10.17	5.0E-04	0.00	114.8	0.75	9	74.1	6.1	80.2	7.8	42	58.7	1.0	-0.17	1.2	25.4
10.33	5.0E-04	0.00	113.6	0.83	9	74.1	7.5	81.6	8.5	42	58.7	1.0	-0.18	1.5	25.7
10.50	5.0E-04	0.00	102.5	1.01	9	67.5	11.7	79.2	10.5	42	56.0	1.0	-0.19	2.2	24.3
10.66	5.0E-04	0.00	95.7	1.09	9	63.7	13.6	77.3	11.6	42	54.3	1.0	-0.19	2.6	23.3
10.83	5.0E-04	0.00	93.2	1.21	9	62.5	16.0	78.6	12.6	42	53.8	1.0	-0.20	3.0	23.4
10.99	5.0E-04	0.00	89.1	1.27	9	60.4	17.4	77.8	13.4	42	52.8	1.0	-0.20	3.2	22.9
11.15	5.0E-04	0.00	84.6	1.27	9	57.8	17.9	75.7	13.8	42	51.6	1.0	-0.19	3.3	22.1
11.32	5.0E-04	0.00	81.5	1.24	9	56.2	17.9	74.1	14.0	42	50.8	1.0	-0.19	3.3	21.6
11.48	5.0E-04	0.00	81.2	1.25	9	56.5	18.2	74.7	14.1	42	50.9	1.0	-0.19	3.3	21.7
11.65	5.0E-04	0.00	81.7	1.20	9	57.3	17.4	74.7	13.7	42	51.3	1.0	-0.19	3.2	21.9
.81	5.0E-04	0.00	89.3	1.15	9	63.1	16.0	79.1	12.6	42	54.1	1.0	-0.19	3.0	23.6
.97	5.0E-04	0.00	87.9	1.23	9	62.6	17.8	80.3	13.3	42	53.8	1.0	-0.20	3.3	23.7
12.14	5.0E-04	0.00	84.2	1.27	9	60.5	18.8	79.3	13.9	42	52.9	1.0	-0.19	3.4	23.2
12.30	5.0E-04	0.00	83.2	1.38	7	60.2	21.0	81.1	14.7	42	52.7	1.0	-0.20	3.8	23.4
12.47	5.0E-04	0.00	83.8	1.10	9	61.1	16.2	77.3	12.9	42	53.1	1.0	-0.18	3.0	22.9
12.63	5.0E-04	0.00	86.8	1.01	9	63.7	14.4	78.1	11.9	42	54.3	1.0	-0.17	2.7	23.5
12.80	5.0E-04	0.00	89.8	0.98	9	66.4	13.7	80.1	11.4	42	55.5	1.0	-0.18	2.6	24.3
12.96	5.0E-04	0.00	101.7	1.06	9	75.6	14.2	89.8	10.9	42	59.3	1.0	-0.19	2.7	27.4
13.12	5.0E-04	0.00	105.3	1.16	9	78.8	15.8	94.6	11.3	42	60.4	1.0	-0.21	3.0	28.7
13.29	5.0E-04	0.00	101.3	1.11	9	76.4	15.2	91.6	11.2	42	59.6	1.0	-0.20	2.9	27.8
13.45	5.0E-04	0.00	95.8	1.03	9	72.8	14.4	87.2	11.2	42	58.2	1.0	-0.19	2.7	26.5
13.62	5.0E-04	0.00	92.9	0.92	9	71.1	12.7	83.8	10.7	42	57.5	1.0	-0.17	2.4	25.6
13.78	5.0E-04	0.00	88.5	0.95	9	68.2	13.9	82.1	11.3	42	56.3	1.0	-0.17	2.6	24.9
13.94	5.0E-04	0.00	84.5	1.08	9	65.6	16.8	82.4	12.6	42	55.2	1.0	-0.18	3.1	24.5
14.11	5.0E-04	0.00	91.3	1.18	9	71.2	18.2	89.4	12.6	42	57.6	1.0	-0.19	3.4	26.6
14.27	5.0E-04	0.00	105.1	1.23	9	82.4	17.9	100.3	11.7	42	61.7	1.0	-0.21	3.4	30.3
14.44	5.0E-04	0.00	107.8	1.25	9	85.1	18.3	103.4	11.6	42	62.7	1.0	-0.22	3.5	31.2
14.60	5.0E-03	0.00	111.2	1.20	9	88.3	17.0	105.3	11.1	42	63.7	1.0	-0.22	2.4	24.0
14.76	5.0E-03	0.00	111.0	1.02	9	88.7	13.5	102.2	9.9	42	63.9	1.0	-0.20	2.0	23.7
14.93	5.0E-03	0.00	103.3	1.05	9	83.2	15.0	98.2	10.7	42	62.0	1.0	-0.20	2.2	22.5
15.09	5.0E-03	0.00	99.4	1.08	9	80.5	16.1	96.6	11.2	42	61.1	1.0	-0.19	2.3	22.0
15.26	5.0E-03	0.00	96.9	1.08	9	79.0	16.4	95.4	11.4	42	60.5	1.0	-0.19	2.3	21.7
15.42	5.0E-04	0.00	86.9	1.09	9	71.3	17.7	89.0	12.4	42	57.6	1.0	-0.18	3.3	26.6
15.58	5.0E-04	0.00	77.6	1.09	9	64.2	18.9	83.1	13.5	40	54.6	1.0	-0.17	3.5	24.4
15.75	5.0E-04	0.00	67.2	1.00	9	56.0	18.2	74.2	14.2	40	50.7	1.0	-0.15	3.3	21.6
15.91	5.0E-04	0.00	53.8	1.28	7	45.2	25.8	71.1	18.6	40	44.5	1.0	-0.15	4.3	19.1
16.08	5.0E-04	0.00	48.9	1.42	7	41.5	29.8	71.3	20.7	38	42.0	1.0	-0.15	4.8	18.3
16.24	5.0E-04	0.00	53.6	1.44	7	45.6	29.4	75.0	19.7	40	44.8	1.0	-0.16	4.8	19.7
16.40	5.0E-04	0.00	57.2	1.14	7	48.9	22.9	71.8	16.9	40	46.7	1.0	-0.15	4.0	19.9
16.57	5.0E-04	0.00	68.8	0.88	9	59.0	16.2	75.2	13.1	40	52.1	1.0	-0.14	3.0	22.2
16.73	5.0E-03	0.00	79.2	0.94	9	68.1	16.3	84.4	12.2	42	56.3	1.0	-0.16	2.3	19.0
.90	5.0E-03	0.00	88.1	0.99	9	76.1	16.3	92.4	11.6	42	59.4	1.0	-0.17	2.3	20.9
06	5.0E-03	0.00	84.8	1.04	9	73.7	18.0	91.7	12.4	42	58.5	1.0	-0.18	2.5	20.5
.22	5.0E-04	0.00	79.2	1.11	9	69.2	20.0	89.2	13.4	42	56.7	1.0	-0.17	3.7	26.3
17.39	5.0E-03	0.00	85.5	1.03	9	75.1	17.8	92.9	12.2	42	59.1	1.0	-0.18	2.5	20.9

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP34.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	89.8	1.11	9	79.2	19.1	98.4	12.3	42	60.6	1.0	-0.19	2.7	22.1
17.72	5.0E-03	0.00	99.6	1.05	9	88.2	16.9	105.2	11.0	42	63.7	1.0	-0.19	2.4	24.0
17.88	5.0E-03	0.00	104.1	1.01	9	92.6	15.5	108.2	10.4	42	65.1	1.0	-0.19	2.2	24.9
18.04	5.0E-03	0.00	90.1	1.02	9	80.7	17.4	98.1	11.6	42	61.1	1.0	-0.18	2.5	22.2
18.21	5.0E-04	0.00	76.0	1.10	9	68.6	20.9	89.4	13.7	40	56.5	1.0	-0.17	3.8	26.2
18.37	5.0E-04	0.00	61.1	1.65	7	55.6	34.9	90.5	19.5	40	50.4	1.0	-0.19	5.8	23.9
18.54	5.0E-05	0.00	55.1	2.57	7	50.4	60.5	110.9	25.4	40	47.6	10.0	-0.23	10.2	30.0
18.70	5.0E-06	0.00	47.3	3.36	6	43.6	97.5	141.1	30.9	UnDef	UnDef	6.0	UnDef	16.2	37.6
18.86	5.0E-06	0.00	45.1	3.26	6	41.8	96.9	138.7	31.2	UnDef	UnDef	6.0	UnDef	15.9	36.3
19.03	5.0E-05	0.00	50.2	2.21	7	46.6	52.8	99.5	24.9	38	45.4	10.0	-0.20	9.1	27.3
19.19	5.0E-05	0.00	49.8	2.32	7	46.5	56.5	103.0	25.5	38	45.3	6.0	-0.21	9.5	27.7
19.36	5.0E-05	0.00	42.9	2.81	6	40.3	80.0	120.3	29.9	38	41.2	6.0	-0.22	11.2	27.0
19.52	5.0E-06	0.00	40.2	3.11	6	38.0	100.4	138.5	32.2	UnDef	UnDef	6.0	UnDef	15.5	34.1
19.68	5.0E-05	0.00	41.7	2.84	6	39.6	83.6	123.2	30.4	38	40.7	6.0	-0.22	11.4	26.9
19.85	5.0E-05	0.00	39.7	2.73	6	37.9	82.3	120.2	30.6	38	39.5	6.0	-0.20	11.1	26.0
20.01	5.0E-06	0.00	33.2	2.91	6	32.0	112.4	144.4	34.1	UnDef	UnDef	6.0	UnDef	14.9	30.5
20.18	5.0E-05	0.00	31.0	2.74	6	30.1	110.4	140.4	34.4	36	32.8	6.0	-0.17	11.4	23.1
20.34	5.0E-05	0.00	36.0	2.19	7	34.9	64.8	99.6	29.3	38	37.1	6.0	-0.16	9.4	23.0
20.51	5.0E-05	0.00	39.5	2.28	7	38.3	64.4	102.7	28.5	38	39.8	6.0	-0.18	9.7	24.7
20.67	5.0E-05	0.00	39.6	2.35	7	38.7	67.5	106.1	28.8	38	40.0	6.0	-0.18	10.0	25.1
20.83	5.0E-05	0.00	41.2	2.04	7	40.4	54.9	95.2	26.6	38	41.3	6.0	-0.17	8.9	24.7
21.00	5.0E-05	0.00	43.2	2.03	7	42.4	53.4	95.8	25.9	38	42.7	6.0	-0.17	8.9	25.5
21.16	5.0E-05	0.00	43.4	2.02	7	42.8	53.4	96.2	25.8	38	43.0	6.0	-0.18	8.9	25.7
21.33	5.0E-05	0.00	42.9	2.08	7	42.4	55.8	98.3	26.3	38	42.7	6.0	-0.18	9.2	25.8
21.49	5.0E-05	0.00	42.4	2.23	7	42.2	61.4	103.6	27.2	38	42.5	6.0	-0.18	9.7	26.3
21.65	5.0E-05	0.00	41.9	2.17	7	41.8	59.9	101.8	27.1	38	42.3	6.0	-0.18	9.6	25.9
21.82	5.0E-05	0.00	40.9	2.25	7	41.0	64.1	105.1	27.8	38	41.8	6.0	-0.18	9.9	26.0
21.98	5.0E-05	0.00	42.5	2.01	7	42.7	54.6	97.4	26.0	38	42.9	6.0	-0.17	9.0	25.8
22.15	5.0E-04	0.00	44.1	1.88	7	44.5	49.7	94.2	24.8	38	44.1	1.0	-0.17	7.2	21.7
.31	5.0E-04	0.00	43.0	1.43	7	43.6	37.6	81.2	22.3	38	43.5	1.0	-0.14	5.8	20.0
.47	5.0E-04	0.00	40.3	1.44	7	41.1	39.1	80.2	23.3	38	41.8	1.0	-0.13	5.9	19.3
22.64	5.0E-05	0.00	36.8	1.88	7	37.8	55.3	93.1	27.2	38	39.4	6.0	-0.15	8.7	23.5
22.80	5.0E-05	0.00	30.8	2.64	6	31.8	110.5	142.3	34.1	36	34.5	6.0	-0.17	11.8	24.2
22.97	5.0E-06	0.00	27.9	3.13	6	29.1	116.2	145.3	38.0	UnDef	UnDef	6.0	UnDef	14.2	28.4
23.13	5.0E-06	0.00	27.9	2.90	6	29.2	116.7	145.9	37.0	UnDef	UnDef	6.0	UnDef	14.3	28.5
23.29	5.0E-06	0.01	26.8	2.94	6	28.1	112.5	140.6	37.8	UnDef	UnDef	6.0	UnDef	13.8	27.5
23.46	5.0E-06	0.02	24.4	2.85	6	25.8	103.3	129.2	39.0	UnDef	UnDef	6.0	UnDef	12.6	25.3
23.62	5.0E-06	0.02	21.6	2.78	6	23.0	92.0	115.0	40.9	UnDef	UnDef	6.0	UnDef	11.3	22.5
23.79	5.0E-05	0.03	20.3	2.57	6	21.8	87.2	109.0	40.9	34	30.0	6.0	-0.11	8.5	17.1
23.95	5.0E-05	0.03	20.6	2.60	6	22.2	88.8	111.0	40.8	34	30.0	6.0	-0.12	8.7	17.4
24.11	5.0E-05	0.03	22.7	2.43	6	24.4	97.8	122.2	38.1	34	30.0	6.0	-0.12	9.6	19.1
24.28	5.0E-05	0.03	26.0	2.52	6	27.9	111.6	139.6	36.2	34	30.7	6.0	-0.14	10.9	21.9
24.44	5.0E-05	0.02	25.5	2.40	6	27.6	110.3	137.8	35.9	34	30.3	6.0	-0.13	10.8	21.6
24.61	5.0E-05	0.03	20.7	2.64	6	22.7	90.6	113.3	40.9	34	30.0	6.0	-0.12	8.9	17.7
24.77	5.0E-05	0.03	24.7	2.31	6	26.9	107.7	134.6	35.9	34	30.0	6.0	-0.12	10.5	21.1
24.93	5.0E-05	0.01	27.6	2.21	6	30.0	96.6	126.6	33.6	36	32.7	6.0	-0.13	10.7	22.5
25.10	5.0E-05	0.01	26.5	2.41	6	29.0	116.0	145.0	35.3	36	31.8	6.0	-0.14	11.4	22.7
25.26	5.0E-05	0.01	29.1	2.39	6	31.9	103.6	135.5	33.6	36	34.5	6.0	-0.15	11.4	23.9
25.43	5.0E-05	0.00	29.5	2.75	6	32.4	129.5	161.9	35.3	36	35.0	6.0	-0.17	12.7	25.4
25.59	5.0E-06	0.01	27.7	3.19	6	30.5	122.1	152.6	38.4	UnDef	UnDef	6.0	UnDef	14.9	29.9
25.75	5.0E-06	0.00	27.7	3.02	6	30.6	122.4	152.9	37.7	UnDef	UnDef	6.0	UnDef	15.0	29.9
25.92	5.0E-06	0.01	28.9	3.10	6	32.1	128.2	160.3	37.3	UnDef	UnDef	6.0	UnDef	15.7	31.4
26.08	5.0E-05	0.00	31.2	2.56	6	34.6	109.5	144.1	33.5	36	36.8	6.0	-0.17	12.3	25.8
26.25	5.0E-04	0.00	44.2	1.85	7	48.7	53.5	102.1	24.6	38	46.6	1.0	-0.17	7.7	23.6
26.41	5.0E-05	0.00	45.1	2.23	7	49.8	66.1	115.9	26.4	38	47.3	6.0	-0.19	10.8	30.3
26.57	5.0E-05	0.00	34.1	2.95	6	38.1	129.1	167.1	33.9	36	39.6	6.0	-0.20	13.9	28.8
26.74	5.0E-05	0.00	40.7	2.63	6	45.4	89.0	134.3	29.8	38	44.6	6.0	-0.20	12.6	30.3
26.90	5.0E-05	0.00	44.3	2.18	7	49.4	65.8	115.2	26.4	38	47.1	6.0	-0.19	10.8	30.1
27.07	5.0E-05	0.00	43.1	2.53	7	48.3	81.2	129.5	28.5	38	46.4	6.0	-0.20	12.2	31.1
27.23	5.0E-05	0.00	41.4	2.75	6	46.6	94.8	141.4	30.1	38	45.4	6.0	-0.21	13.2	31.4
27.39	5.0E-05	0.00	41.1	2.87	6	46.4	102.3	148.7	30.8	38	45.3	6.0	-0.22	13.7	31.9
56	5.0E-05	0.00	40.0	3.20	6	45.3	128.0	173.2	32.7	38	44.6	6.0	-0.23	15.2	32.9
.72	5.0E-06	0.00	37.5	3.40	6	42.7	156.7	199.3	34.4	UnDef	UnDef	6.0	UnDef	20.2	41.1
27.89	5.0E-05	0.00	46.2	2.62	7	52.5	83.4	135.9	28.0	38	48.8	6.0	-0.22	12.8	33.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	79.0	1.60	7	89.2	39.4	128.7	16.5	42	64.0	1.0	-0.21	6.9	36.0
28.21	5.0E-03	0.00	102.0	1.38	9	115.3	30.6	145.9	12.9	42	71.4	1.0	-0.22	4.3	32.5
28.38	5.0E-02	0.00	130.7	0.01	10	147.9	0.0	147.9	3.3	44	78.5	1.0	0.16	0.0	29.0
28.54	5.0E+00	0.00	145.2	0.01	10	164.8	0.0	164.8	3.0	44	81.6	1.0	0.16	0.0	26.9

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5221
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-35
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 16:07
CPT File: 315CP35.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
0.16	5.5	0.02	0.36	-0.8	1	74.5	0.01	0.01	0.00	2.00	2.7	5.3	0.44	0.00
0.33	7.5	0.02	0.27	-0.7	1	74.5	0.01	0.01	0.00	2.00	3.6	7.2	0.60	0.00
0.49	10.8	0.02	0.19	-0.9	6	98.7	0.02	0.02	0.00	2.00	4.1	8.3	0.86	0.00
0.66	15.6	0.02	0.13	-0.8	6	98.7	0.03	0.03	0.00	2.00	6.0	12.0	1.25	0.00
0.82	18.8	0.02	0.11	-0.1	7	98.7	0.04	0.04	0.00	2.00	6.0	12.0	UnDef	0.08
0.98	21.6	0.02	0.09	-0.1	7	98.7	0.04	0.04	0.00	2.00	6.9	13.8	UnDef	0.09
1.15	25.6	0.02	0.08	0.0	7	98.7	0.05	0.05	0.00	2.00	8.2	16.3	UnDef	0.09
31	30.0	0.14	0.47	-0.5	7	98.7	0.06	0.06	0.00	2.00	9.6	19.2	UnDef	0.10
.48	29.1	0.42	1.45	-0.5	6	98.7	0.07	0.07	0.00	2.00	11.1	22.3	2.32	0.10
1.64	29.1	0.34	1.17	-0.3	7	98.7	0.08	0.08	0.00	2.00	9.3	18.6	UnDef	0.10
1.80	41.2	0.47	1.14	-1.2	7	98.7	0.08	0.08	0.00	2.00	13.2	26.3	UnDef	0.13
1.97	68.5	0.58	0.85	-0.5	8	101.8	0.09	0.09	0.00	2.00	16.4	32.8	UnDef	0.29
2.13	63.9	1.02	1.60	0.3	7	98.7	0.10	0.10	0.00	2.00	20.4	40.8	UnDef	0.25
2.30	38.1	1.08	2.84	1.3	6	98.7	0.11	0.11	0.00	2.00	14.6	29.2	3.04	0.00
2.46	26.3	0.85	3.24	1.1	5	85.3	0.12	0.12	0.00	2.00	12.6	25.2	2.10	0.00
2.62	21.5	0.35	1.63	0.5	6	98.7	0.12	0.12	0.00	2.00	8.2	16.4	1.71	0.09
2.79	20.9	0.10	0.48	-0.1	7	98.7	0.13	0.13	0.00	2.00	6.7	13.3	UnDef	0.09
2.95	16.0	0.02	0.13	-0.3	6	98.7	0.14	0.14	0.00	2.00	6.1	12.2	1.27	0.08
3.12	11.8	0.02	0.17	-0.3	6	98.7	0.15	0.15	0.00	2.00	4.5	9.1	0.93	0.00
3.28	10.1	0.02	0.20	-0.4	6	98.7	0.16	0.16	0.00	2.00	3.9	7.7	0.79	0.00
3.44	9.6	0.02	0.21	-0.5	6	98.7	0.16	0.16	0.00	2.00	3.7	7.4	0.76	0.00
3.61	11.8	0.02	0.17	-0.4	6	98.7	0.17	0.17	0.00	2.00	4.5	9.0	0.93	0.00
3.77	17.6	0.02	0.11	0.0	7	98.7	0.18	0.18	0.00	2.00	5.6	11.2	UnDef	0.08
3.94	19.5	0.21	1.08	0.5	6	98.7	0.19	0.19	0.00	2.00	7.5	14.9	1.54	0.09
4.10	19.9	0.37	1.87	0.7	6	98.7	0.20	0.20	0.00	2.00	7.6	15.2	1.57	0.09
4.27	19.2	0.37	1.93	1.0	6	98.7	0.20	0.20	0.00	2.00	7.3	14.7	1.52	0.09
4.43	18.1	0.31	1.71	1.0	6	98.7	0.21	0.21	0.00	2.00	7.0	13.9	1.43	0.09
4.59	15.5	0.20	1.30	0.0	6	98.7	0.22	0.22	0.00	2.00	5.9	11.8	1.22	0.09
4.76	12.3	0.16	1.31	-0.3	6	98.7	0.23	0.23	0.00	2.00	4.7	9.4	0.96	0.09
4.92	13.1	0.16	1.23	-0.6	6	98.7	0.24	0.24	0.00	2.00	5.0	10.0	1.03	0.09
5.09	11.9	0.19	1.59	-0.4	5	85.3	0.24	0.24	0.00	2.00	5.7	11.4	0.94	0.09
5.25	11.1	0.21	1.89	-0.2	5	85.3	0.25	0.25	0.00	1.99	5.3	10.6	0.87	0.09
5.41	9.8	0.17	1.73	-0.6	5	85.3	0.26	0.26	0.00	1.97	4.7	9.3	0.77	0.09
5.58	14.0	0.20	1.43	0.3	6	98.7	0.27	0.27	0.00	1.94	5.4	10.4	1.10	0.09
5.74	14.8	0.25	1.69	1.0	6	98.7	0.27	0.27	0.00	1.91	5.7	10.8	1.16	0.09
5.91	15.1	0.28	1.85	2.4	5	85.3	0.28	0.28	0.00	1.88	7.3	13.7	1.19	0.09
6.07	15.1	0.30	1.99	1.7	5	85.3	0.29	0.29	0.00	1.86	7.3	13.5	1.19	0.10
6.23	15.4	0.25	1.63	2.7	6	98.7	0.30	0.30	0.00	1.84	5.9	10.8	1.21	0.09
.40	14.2	0.20	1.41	2.5	6	98.7	0.30	0.30	0.00	1.81	5.4	9.9	1.11	0.09
56	16.4	0.22	1.34	3.1	6	98.7	0.31	0.31	0.00	1.79	6.3	11.3	1.29	0.09
.73	19.1	0.27	1.42	4.7	6	98.7	0.32	0.32	0.00	1.77	7.3	12.9	1.50	0.09
6.89	20.0	0.28	1.41	5.6	6	98.7	0.33	0.33	0.00	1.74	7.6	13.3	1.57	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.3	0.27	1.40	7.0	6	98.7	0.34	0.34	0.00	1.72	7.4	12.8	1.52	0.09
7.22	19.1	0.29	1.52	9.0	6	98.7	0.34	0.34	0.00	1.70	7.3	12.5	1.50	0.09
7.38	19.7	0.31	1.57	11.5	6	98.7	0.35	0.35	0.00	1.68	7.6	12.7	1.55	0.10
7.55	19.5	0.31	1.60	13.3	6	98.7	0.36	0.36	0.00	1.66	7.5	12.4	1.53	0.10
7.71	18.7	0.30	1.61	14.0	6	98.7	0.37	0.37	0.00	1.65	7.1	11.8	1.46	0.10
7.87	17.2	0.29	1.69	14.3	6	98.7	0.38	0.38	0.00	1.63	6.6	10.8	1.35	0.10
8.04	16.4	0.30	1.84	14.1	6	98.7	0.39	0.39	0.00	1.61	6.3	10.1	1.28	0.10
8.20	15.5	0.29	1.88	12.7	5	85.3	0.39	0.39	0.00	1.60	7.4	11.8	1.21	0.10
8.37	15.3	0.28	1.84	12.6	5	85.3	0.40	0.40	0.00	1.58	7.3	11.6	1.19	0.10
8.53	15.7	0.29	1.85	13.1	5	85.3	0.41	0.41	0.00	1.57	7.5	11.8	1.22	0.10
8.69	18.3	0.29	1.59	14.7	6	98.7	0.41	0.41	0.00	1.55	7.0	10.9	1.43	0.10
8.86	25.0	0.29	1.16	14.2	6	98.7	0.42	0.42	0.00	1.54	9.6	14.7	1.96	0.10
9.02	25.4	0.31	1.22	8.7	6	98.7	0.43	0.43	0.00	1.52	9.7	14.8	2.00	0.10
9.19	26.5	0.32	1.21	2.6	6	98.7	0.44	0.44	0.00	1.51	10.1	15.3	2.08	0.10
9.35	30.0	0.23	0.77	1.0	7	98.7	0.45	0.45	0.00	1.50	9.6	14.3	UnDef	0.10
9.51	36.4	0.17	0.47	0.0	7	98.7	0.45	0.45	0.00	1.48	11.6	17.2	UnDef	0.09
9.68	39.5	0.12	0.30	-0.4	8	101.8	0.46	0.46	0.00	1.47	9.5	13.9	UnDef	0.10
9.84	39.9	0.13	0.33	-0.6	8	101.8	0.47	0.47	0.00	1.46	9.5	13.9	UnDef	0.10
10.01	37.4	0.18	0.48	-0.7	7	98.7	0.48	0.48	0.00	1.44	11.9	17.3	UnDef	0.09
10.17	39.0	0.23	0.59	-0.7	7	98.7	0.49	0.49	0.00	1.43	12.5	17.8	UnDef	0.10
10.33	38.1	0.25	0.66	-1.0	7	98.7	0.50	0.50	0.00	1.42	12.2	17.3	UnDef	0.10
10.50	37.0	0.25	0.68	-1.0	7	98.7	0.50	0.50	0.00	1.41	11.8	16.6	UnDef	0.10
10.66	40.9	0.20	0.49	-1.1	7	98.7	0.51	0.51	0.00	1.40	13.1	18.3	UnDef	0.10
10.83	42.1	0.23	0.55	-1.1	7	98.7	0.52	0.52	0.00	1.39	13.4	18.6	UnDef	0.10
10.99	43.1	0.27	0.63	-1.1	7	98.7	0.53	0.53	0.00	1.38	13.8	18.9	UnDef	0.11
11.15	43.4	0.28	0.65	-1.1	7	98.7	0.54	0.54	0.00	1.37	13.8	18.9	UnDef	0.11
11.32	44.3	0.31	0.70	-1.2	7	98.7	0.54	0.54	0.00	1.36	14.1	19.2	UnDef	0.11
11.48	42.0	0.35	0.83	-1.1	7	98.7	0.55	0.55	0.00	1.35	13.4	18.1	UnDef	0.11
11.65	39.0	0.35	0.90	-1.2	7	98.7	0.56	0.56	0.00	1.34	12.4	16.6	UnDef	0.11
.81	36.6	0.34	0.93	-1.2	7	98.7	0.57	0.57	0.00	1.33	11.7	15.5	UnDef	0.10
.97	35.0	0.37	1.06	-1.2	7	98.7	0.58	0.58	0.00	1.32	11.2	14.7	UnDef	0.10
12.14	33.9	0.39	1.15	-0.8	7	98.7	0.58	0.58	0.00	1.31	10.8	14.1	UnDef	0.10
12.30	30.3	0.50	1.65	-0.7	6	98.7	0.59	0.59	0.00	1.30	11.6	15.1	2.38	0.11
12.47	27.8	0.61	2.20	-0.2	6	98.7	0.60	0.60	0.00	1.29	10.7	13.8	2.18	0.13
12.63	26.3	0.48	1.83	2.5	6	98.7	0.61	0.61	0.00	1.28	10.1	12.9	2.05	0.11
12.80	27.0	0.43	1.60	3.8	6	98.7	0.62	0.62	0.00	1.27	10.3	13.2	2.11	0.11
12.96	30.9	0.30	0.97	0.9	7	98.7	0.63	0.63	0.00	1.26	9.9	12.5	UnDef	0.10
13.12	36.3	0.21	0.58	-0.1	7	98.7	0.63	0.63	0.00	1.26	11.6	14.6	UnDef	0.10
13.29	45.2	0.14	0.31	-0.5	8	101.8	0.64	0.64	0.00	1.25	10.8	13.5	UnDef	0.10
13.45	54.5	0.18	0.33	-0.6	8	101.8	0.65	0.65	0.00	1.24	13.1	16.2	UnDef	0.11
13.62	60.7	0.48	0.79	-0.6	8	101.8	0.66	0.66	0.00	1.23	14.5	17.9	UnDef	0.14
13.78	56.3	0.63	1.12	-0.6	7	98.7	0.67	0.67	0.00	1.23	18.0	22.0	UnDef	0.14
13.94	50.9	0.72	1.42	-0.4	7	98.7	0.67	0.67	0.00	1.22	16.2	19.8	UnDef	0.14
14.11	61.4	0.68	1.11	-0.5	7	98.7	0.68	0.68	0.00	1.21	19.6	23.7	UnDef	0.15
14.27	64.0	0.50	0.78	-0.7	8	101.8	0.69	0.69	0.00	1.20	15.3	18.4	UnDef	0.14
14.44	61.6	0.56	0.91	-0.6	8	101.8	0.70	0.70	0.00	1.20	14.8	17.7	UnDef	0.14
14.60	58.6	0.50	0.85	-0.8	8	101.8	0.71	0.71	0.00	1.19	14.0	16.7	UnDef	0.13
14.76	61.6	0.48	0.78	-0.8	8	101.8	0.72	0.72	0.00	1.18	14.7	17.4	UnDef	0.13
14.93	68.0	0.47	0.69	-0.6	8	101.8	0.72	0.72	0.00	1.18	16.3	19.1	UnDef	0.14
15.09	67.5	0.49	0.73	-0.6	8	101.8	0.73	0.73	0.00	1.17	16.2	18.9	UnDef	0.14
15.26	65.5	0.45	0.69	-0.6	8	101.8	0.74	0.74	0.00	1.16	15.7	18.2	UnDef	0.14
15.42	65.5	0.43	0.66	-0.1	8	101.8	0.75	0.75	0.00	1.16	15.7	18.1	UnDef	0.13
15.58	67.0	0.47	0.70	-0.1	8	101.8	0.76	0.76	0.00	1.15	16.0	18.4	UnDef	0.14
15.75	68.8	0.48	0.70	0.0	8	101.8	0.77	0.77	0.00	1.14	16.5	18.8	UnDef	0.14
15.91	64.9	0.45	0.69	0.0	8	101.8	0.77	0.77	0.00	1.14	15.5	17.7	UnDef	0.13
16.08	59.2	0.39	0.66	0.0	8	101.8	0.78	0.78	0.00	1.13	14.2	16.0	UnDef	0.12
16.24	56.5	0.42	0.75	-0.1	8	101.8	0.79	0.79	0.00	1.12	13.5	15.2	UnDef	0.12
16.40	56.9	0.49	0.86	0.0	8	101.8	0.80	0.80	0.00	1.12	13.6	15.2	UnDef	0.13
16.57	54.5	0.53	0.97	0.2	7	98.7	0.81	0.81	0.00	1.11	17.4	19.4	UnDef	0.13
16.73	55.4	0.56	1.01	0.2	7	98.7	0.82	0.82	0.00	1.11	17.7	19.6	UnDef	0.13
.90	62.0	0.38	0.61	0.2	8	101.8	0.82	0.82	0.00	1.10	14.8	16.3	UnDef	0.12
06	63.1	0.39	0.62	0.0	8	101.8	0.83	0.83	0.00	1.10	15.1	16.6	UnDef	0.13
.22	61.5	0.39	0.64	0.0	8	101.8	0.84	0.84	0.00	1.09	14.7	16.1	UnDef	0.12
17.39	59.5	0.38	0.64	0.0	8	101.8	0.85	0.85	0.00	1.09	14.3	15.5	UnDef	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	58.1	0.40	0.69	0.0	8	101.8	0.86	0.86	0.00	1.08	13.9	15.0	UnDef	0.12
17.72	51.6	0.45	0.87	0.2	7	98.7	0.87	0.87	0.00	1.07	16.5	17.7	UnDef	0.12
17.88	45.9	0.67	1.46	0.1	7	98.7	0.87	0.87	0.00	1.07	14.6	15.7	UnDef	0.13
18.04	41.6	0.71	1.71	0.0	7	98.7	0.88	0.88	0.00	1.06	13.3	14.1	UnDef	0.14
18.21	36.3	0.85	2.35	0.5	6	98.7	0.89	0.89	0.00	1.06	13.9	14.7	2.83	0.19
18.37	34.8	0.67	1.93	1.6	6	98.7	0.90	0.90	0.00	1.06	13.3	14.1	2.71	0.15
18.54	35.3	0.55	1.56	2.6	6	98.7	0.91	0.91	0.00	1.05	13.5	14.2	2.75	0.12
18.70	40.0	0.69	1.73	2.3	7	98.7	0.91	0.91	0.00	1.05	12.8	13.4	UnDef	0.14
18.86	38.9	0.75	1.94	1.9	6	98.7	0.92	0.92	0.00	1.04	14.9	15.5	3.03	0.15
19.03	34.0	0.78	2.30	2.6	6	98.7	0.93	0.93	0.00	1.04	13.0	13.5	2.65	0.20
19.19	33.6	0.72	2.15	4.0	6	98.7	0.94	0.94	0.00	1.03	12.9	13.3	2.61	0.18
19.36	32.6	0.63	1.94	4.8	6	98.7	0.95	0.95	0.00	1.03	12.5	12.8	2.53	0.16
19.52	30.9	0.58	1.88	5.8	6	98.7	0.95	0.95	0.00	1.02	11.8	12.1	2.39	0.15
19.68	30.8	0.52	1.69	6.8	6	98.7	0.96	0.96	0.00	1.02	11.8	12.0	2.39	0.14
19.85	28.4	0.44	1.55	8.4	6	98.7	0.97	0.97	0.00	1.01	10.9	11.0	2.19	0.13
20.01	26.8	0.39	1.46	9.7	6	98.7	0.98	0.98	0.00	1.01	10.3	10.4	2.07	0.13
20.18	28.0	0.37	1.33	10.9	6	98.7	0.99	0.99	0.00	1.01	10.7	10.8	2.16	0.12
20.34	30.6	0.46	1.51	12.3	6	98.7	1.00	1.00	0.00	1.00	11.7	11.7	2.37	0.13
20.51	32.1	0.42	1.31	12.6	7	98.7	1.00	1.00	0.00	1.00	10.2	10.2	UnDef	0.12
20.67	35.5	0.39	1.10	12.1	7	98.7	1.01	1.01	0.00	0.99	11.3	11.3	UnDef	0.11
20.83	38.1	0.45	1.18	2.2	7	98.7	1.02	1.02	0.00	0.99	12.2	12.1	UnDef	0.11
21.00	38.3	0.48	1.25	1.9	7	98.7	1.03	1.03	0.00	0.99	12.2	12.1	UnDef	0.12
21.16	38.7	0.64	1.66	1.8	7	98.7	1.04	1.04	0.00	0.98	12.3	12.1	UnDef	0.14
21.33	38.5	0.59	1.54	1.6	7	98.7	1.04	1.04	0.00	0.98	12.3	12.0	UnDef	0.13
21.49	41.1	0.49	1.20	1.8	7	98.7	1.05	1.05	0.00	0.98	13.1	12.8	UnDef	0.12
21.65	44.1	0.33	0.75	1.5	7	98.7	1.06	1.06	0.00	0.97	14.1	13.7	UnDef	0.10
21.82	42.5	0.34	0.80	1.2	7	98.7	1.07	1.07	0.00	0.97	13.6	13.1	UnDef	0.10
21.98	38.8	0.49	1.26	0.7	7	98.7	1.08	1.08	0.00	0.96	12.4	12.0	UnDef	0.12
22.15	34.8	0.57	1.64	1.0	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.70	0.14
.31	31.8	0.63	1.99	0.9	6	98.7	1.09	1.09	0.00	0.96	12.2	11.6	2.45	0.21
.47	30.2	0.54	1.79	1.8	6	98.7	1.10	1.10	0.00	0.95	11.6	11.0	2.32	0.18
22.64	29.0	0.53	1.83	6.1	6	98.7	1.11	1.11	0.00	0.95	11.1	10.6	2.23	0.20
22.80	27.9	0.47	1.69	10.5	6	98.7	1.12	1.12	0.00	0.95	10.7	10.1	2.14	0.18
22.97	26.7	0.42	1.58	12.6	6	98.7	1.12	1.12	0.00	0.94	10.2	9.6	2.05	0.17
23.13	25.6	0.32	1.25	14.3	6	98.7	1.13	1.13	0.00	0.94	9.8	9.2	1.96	0.13
23.29	27.8	0.43	1.55	15.5	6	98.7	1.14	1.14	0.00	0.94	10.6	10.0	2.13	0.16
23.46	33.9	0.47	1.39	16.4	7	98.7	1.15	1.15	0.00	0.93	10.8	10.1	UnDef	0.13
23.62	32.8	0.60	1.84	10.4	6	98.7	1.16	1.16	0.00	0.93	12.5	11.7	2.53	0.19
23.79	30.8	0.50	1.63	11.5	6	98.7	1.17	1.17	0.00	0.93	11.8	10.9	2.37	0.17
23.95	27.2	0.43	1.58	14.1	6	98.7	1.17	1.17	0.00	0.92	10.4	9.6	2.08	0.19
24.11	31.4	0.46	1.47	14.8	6	98.7	1.18	1.18	0.00	0.92	12.0	11.1	2.42	0.14
24.28	34.0	0.53	1.56	13.6	6	98.7	1.19	1.19	0.00	0.92	13.0	11.9	2.62	0.15
24.44	34.3	0.59	1.72	14.1	6	98.7	1.20	1.20	0.00	0.91	13.1	12.0	2.65	0.17
24.61	34.3	0.59	1.73	17.7	6	98.7	1.21	1.21	0.00	0.91	13.1	12.0	2.64	0.18
24.77	35.0	0.55	1.58	18.1	6	98.7	1.21	1.21	0.00	0.91	13.4	12.2	2.70	0.15
24.93	39.1	0.58	1.49	19.5	7	98.7	1.22	1.22	0.00	0.90	12.5	11.3	UnDef	0.14
25.10	41.2	0.59	1.44	6.1	7	98.7	1.23	1.23	0.00	0.90	13.1	11.9	UnDef	0.14
25.26	53.5	0.65	1.22	4.2	7	98.7	1.24	1.24	0.00	0.90	17.1	15.3	UnDef	0.13
25.43	60.1	0.92	1.54	2.6	7	98.7	1.25	1.25	0.00	0.90	19.2	17.2	UnDef	0.16
25.59	51.4	1.12	2.19	1.7	6	98.7	1.25	1.25	0.00	0.89	19.7	17.6	4.01	0.23
25.75	47.9	1.18	2.47	1.8	6	98.7	1.26	1.26	0.00	0.89	18.3	16.3	3.73	0.30
25.92	53.5	1.09	2.04	1.8	7	98.7	1.27	1.27	0.00	0.89	17.1	15.2	UnDef	0.21
26.08	50.9	1.18	2.32	1.2	6	98.7	1.28	1.28	0.00	0.88	19.5	17.3	3.97	0.26
26.25	51.6	1.40	2.72	1.1	6	98.7	1.29	1.29	0.00	0.88	19.8	17.4	4.02	0.38
26.41	53.0	1.46	2.76	1.3	6	98.7	1.29	1.29	0.00	0.88	20.3	17.9	4.14	0.39
26.57	54.4	1.36	2.50	1.1	6	98.7	1.30	1.30	0.00	0.88	20.9	18.3	4.25	0.31
26.74	55.3	1.33	2.41	1.0	6	98.7	1.31	1.31	0.00	0.87	21.2	18.5	4.32	0.29
26.90	71.7	1.17	1.64	0.8	7	98.7	1.32	1.32	0.00	0.87	22.9	19.9	UnDef	0.20
27.07	99.6	1.16	1.17	0.6	8	101.8	1.33	1.33	0.00	0.87	23.8	20.7	UnDef	0.22
27.23	117.7	1.15	0.98	0.2	8	101.8	1.34	1.34	0.00	0.87	28.2	24.4	UnDef	0.25
27.39	134.2	1.32	0.99	0.0	8	101.8	1.34	1.34	0.00	0.86	32.1	27.7	UnDef	0.30
56	145.1	1.40	0.97	0.1	9	101.8	1.35	1.35	0.00	0.86	27.8	23.9	UnDef	0.34
.72	187.0	0.02	0.01	0.3	10	127.3	1.36	1.36	0.00	0.86	29.8	25.6	UnDef	0.44
27.89	206.9	0.02	0.01	0.0	10	127.3	1.37	1.37	0.00	0.85	33.0	28.2	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5221
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-35
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 16:07
CPT File: 315CP35.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	907.5	0.36	10	10.6	0.0	10.6	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.3
0.33	1.7E-07	0.00	610.8	0.27	10	14.3	0.0	14.3	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.2
0.49	5.0E-05	0.00	557.7	0.19	10	20.7	0.0	20.7	0.0	50	59.4	10.0	-0.19	0.0	8.3
0.66	5.0E-05	0.00	569.7	0.13	10	30.0	0.0	30.0	0.0	50	65.0	10.0	-0.16	0.0	12.0
0.82	5.0E-04	0.00	529.8	0.11	10	36.1	0.0	36.1	0.0	48	66.7	1.0	-0.14	0.0	12.0
0.98	5.0E-04	0.00	494.3	0.09	10	41.4	0.0	41.4	0.0	48	67.6	1.0	-0.13	0.0	13.8
1.15	5.0E-04	0.00	493.3	0.08	10	48.9	0.0	48.9	0.0	48	70.0	1.0	-0.11	0.0	16.3
1.31	5.0E-04	0.00	501.2	0.47	10	57.5	0.0	57.5	0.0	48	72.5	1.0	-0.26	0.0	19.2
.48	5.0E-05	0.00	427.3	1.45	9	55.7	0.0	55.7	4.6	48	69.8	10.0	-0.37	0.0	22.3
.64	5.0E-04	0.00	381.7	1.18	9	55.7	0.0	55.7	3.8	48	68.2	1.0	-0.33	0.0	18.6
1.80	5.0E-04	0.00	489.1	1.15	9	78.9	0.0	78.9	2.8	48	76.7	1.0	-0.35	0.0	26.3
1.97	5.0E-03	0.00	741.0	0.85	10	131.2	0.0	131.2	0.4	50	90.0	1.0	-0.36	0.0	32.8
2.13	5.0E-04	0.00	635.3	1.60	9	122.5	0.0	122.5	3.9	50	86.8	1.0	-0.43	0.0	40.8
2.30	5.0E-05	0.00	349.6	2.85	12	72.9	UnDef	UnDef	0.0	48	70.8	10.0	-0.48	UnDef	UnDef
2.46	5.0E-06	0.00	225.7	3.25	12	50.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-05	0.00	172.5	1.64	9	41.1	6.7	47.8	10.2	44	52.5	10.0	-0.30	1.6	18.0
2.79	5.0E-04	0.00	157.5	0.48	9	40.0	0.0	40.0	3.7	44	50.8	1.0	-0.16	0.0	13.3
2.95	5.0E-05	0.00	113.2	0.13	9	30.6	0.0	30.6	2.2	42	42.3	10.0	-0.03	0.0	12.2
3.12	5.0E-05	0.00	78.9	0.17	9	22.6	0.0	22.6	5.0	42	32.8	10.0	-0.02	0.0	9.1
3.28	5.0E-05	0.00	63.7	0.20	9	19.3	0.0	19.3	5.0	40	30.0	10.0	-0.01	0.0	7.7
3.44	5.0E-05	0.00	57.7	0.21	9	18.5	0.0	18.5	5.0	40	30.0	10.0	-0.01	0.0	7.4
3.61	5.0E-05	0.00	67.3	0.17	9	22.5	0.0	22.5	5.0	40	30.5	10.0	-0.01	0.0	9.0
3.77	5.0E-04	0.00	96.4	0.12	9	33.6	0.0	33.6	3.0	42	41.3	1.0	0.00	0.0	11.2
3.94	5.0E-05	0.00	102.4	1.09	9	37.3	7.2	44.5	11.0	42	43.7	10.0	-0.20	1.7	16.6
4.10	5.0E-05	0.00	100.1	1.89	7	38.1	15.2	53.3	15.7	42	43.7	10.0	-0.26	3.3	18.5
4.27	5.0E-05	0.00	92.7	1.96	7	36.7	16.8	53.6	16.8	42	42.0	10.0	-0.25	3.6	18.3
4.43	5.0E-05	0.00	84.3	1.73	7	34.8	15.5	50.3	16.5	42	39.9	10.0	-0.23	3.3	17.2
4.59	5.0E-05	0.00	69.0	1.32	7	29.6	12.5	42.1	16.1	40	34.8	10.0	-0.18	2.7	14.5
4.76	5.0E-05	0.00	52.6	1.33	7	23.5	14.3	37.8	19.2	38	30.0	10.0	-0.15	2.9	12.3
4.92	5.0E-05	0.00	54.2	1.25	7	25.1	13.8	38.8	18.3	40	30.0	10.0	-0.15	2.9	12.9
5.09	5.0E-06	0.00	47.9	1.63	7	22.9	19.5	42.4	22.2	UnDef	UnDef	6.0	UnDef	4.6	16.1
5.25	5.0E-06	0.00	43.2	1.94	7	21.3	25.4	46.7	25.4	UnDef	UnDef	6.0	UnDef	5.5	16.1
5.41	5.0E-06	0.00	37.0	1.78	7	18.8	25.6	44.4	26.6	UnDef	UnDef	6.0	UnDef	5.2	14.5
5.58	5.0E-05	0.00	51.6	1.46	7	26.6	18.3	44.8	20.3	38	30.0	10.0	-0.16	3.6	14.0
5.74	5.0E-05	0.00	53.1	1.72	7	27.7	21.9	49.6	21.5	40	30.5	10.0	-0.18	4.1	15.0
5.91	5.0E-06	0.00	52.8	1.89	7	27.9	24.6	52.5	22.5	UnDef	UnDef	10.0	UnDef	5.7	19.3
6.07	5.0E-06	0.00	51.5	2.02	7	27.6	27.2	54.8	23.6	UnDef	UnDef	10.0	UnDef	6.1	19.6
6.23	5.0E-05	0.01	51.0	1.66	7	27.7	22.1	49.8	21.6	38	30.5	10.0	-0.17	4.2	15.0
6.40	5.0E-05	0.01	45.6	1.44	7	25.2	20.1	45.3	21.6	38	30.0	6.0	-0.15	3.8	13.7
.56	5.0E-05	0.01	51.6	1.37	7	28.8	18.5	47.3	19.7	38	31.6	10.0	-0.15	3.7	14.9
73	5.0E-05	0.01	58.6	1.44	7	33.0	19.0	52.0	18.7	40	35.5	10.0	-0.17	3.8	16.8
.89	5.0E-05	0.01	59.7	1.43	7	34.1	19.0	53.0	18.4	40	36.4	10.0	-0.17	3.8	17.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	56.4	1.43	7	32.6	19.5	52.1	19.0	40	35.1	10.0	-0.16	3.9	16.7
7.22	5.0E-05	0.01	54.5	1.55	7	31.9	21.7	53.6	20.2	40	34.5	10.0	-0.17	4.2	16.7
7.38	5.0E-05	0.02	54.9	1.60	7	32.5	22.7	55.3	20.4	40	35.1	10.0	-0.17	4.4	17.1
7.55	5.0E-05	0.02	53.0	1.63	7	31.7	23.6	55.3	21.0	40	34.4	10.0	-0.17	4.5	16.9
7.71	5.0E-05	0.02	49.5	1.64	7	30.0	24.7	54.8	21.9	38	32.8	6.0	-0.16	4.6	16.4
7.87	5.0E-05	0.03	44.7	1.72	7	27.5	27.3	54.8	23.7	38	30.3	6.0	-0.16	4.9	15.6
8.04	5.0E-05	0.03	41.5	1.88	7	25.8	31.6	57.4	25.6	38	30.0	6.0	-0.16	5.3	15.4
8.20	5.0E-06	0.03	38.4	1.93	7	24.1	34.2	58.3	27.0	UnDef	UnDef	6.0	UnDef	6.8	18.7
8.37	5.0E-06	0.03	37.2	1.89	7	23.6	34.2	57.8	27.2	UnDef	UnDef	6.0	UnDef	6.8	18.3
8.53	5.0E-06	0.03	37.6	1.90	7	24.1	34.5	58.6	27.1	UnDef	UnDef	6.0	UnDef	6.9	18.7
8.69	5.0E-05	0.03	43.1	1.63	7	27.8	27.3	55.1	23.6	38	30.6	6.0	-0.15	4.9	15.8
8.86	5.0E-05	0.02	58.1	1.18	7	37.6	17.9	55.5	17.1	40	39.2	10.0	-0.15	3.7	18.4
9.02	5.0E-05	0.01	58.0	1.24	7	37.9	19.0	56.9	17.5	40	39.5	10.0	-0.15	3.9	18.7
9.19	5.0E-05	0.00	59.3	1.23	7	39.1	18.8	57.9	17.2	40	40.4	10.0	-0.16	3.9	19.2
9.35	5.0E-04	0.00	66.2	0.78	9	44.0	11.3	55.2	12.6	40	43.7	1.0	-0.13	2.1	16.4
9.51	5.0E-04	0.00	79.1	0.47	9	52.8	0.0	52.8	5.0	42	49.0	1.0	-0.10	0.0	17.2
9.68	5.0E-03	0.00	84.3	0.31	9	56.8	0.0	56.8	5.0	42	51.0	1.0	-0.07	0.0	13.9
9.84	5.0E-03	0.00	83.6	0.33	9	56.8	0.0	56.8	5.0	42	51.1	1.0	-0.08	0.0	13.9
10.01	5.0E-04	0.00	77.0	0.49	9	52.9	0.0	52.9	5.0	40	49.0	1.0	-0.10	0.0	17.3
10.17	5.0E-04	0.00	79.0	0.60	9	54.7	7.4	62.1	9.5	42	50.0	1.0	-0.12	1.4	19.3
10.33	5.0E-04	0.00	75.9	0.67	9	53.0	9.0	62.0	10.4	40	49.1	1.0	-0.13	1.7	19.0
10.50	5.0E-04	0.00	72.4	0.69	9	51.0	9.8	60.8	11.0	40	48.0	1.0	-0.12	1.9	18.5
10.66	5.0E-04	0.00	79.0	0.50	9	56.0	0.0	56.0	5.0	42	50.7	1.0	-0.11	0.0	18.3
10.83	5.0E-04	0.00	79.9	0.55	9	57.1	6.8	63.9	9.0	42	51.2	1.0	-0.12	1.3	20.0
10.99	5.0E-04	0.00	80.6	0.64	9	58.1	8.2	66.3	9.6	42	51.7	1.0	-0.13	1.6	20.5
11.15	5.0E-04	0.00	79.9	0.66	9	58.0	8.7	66.7	9.9	42	51.6	1.0	-0.13	1.7	20.6
11.32	5.0E-04	0.00	80.3	0.71	9	58.7	9.7	68.4	10.3	42	52.0	1.0	-0.14	1.9	21.0
11.48	5.0E-04	0.00	75.1	0.85	9	55.3	12.7	68.1	12.0	40	50.3	1.0	-0.15	2.4	20.4
11.65	5.0E-04	0.00	68.5	0.91	9	50.9	14.7	65.6	13.4	40	47.9	1.0	-0.14	2.7	19.3
.81	5.0E-04	0.00	63.4	0.95	9	47.5	15.9	63.4	14.4	40	45.9	1.0	-0.14	2.9	18.4
.97	5.0E-04	0.00	59.7	1.08	7	45.1	18.8	63.9	16.0	40	44.5	1.0	-0.15	3.3	18.0
12.14	5.0E-04	0.00	56.9	1.17	7	43.3	21.0	64.3	17.2	40	43.3	1.0	-0.15	3.6	17.8
12.30	5.0E-05	0.00	50.2	1.68	7	38.6	32.0	70.6	22.0	38	40.0	10.0	-0.17	6.0	21.1
12.47	5.0E-05	0.00	45.3	2.24	7	35.2	46.8	82.0	26.4	38	37.3	6.0	-0.19	7.6	21.4
12.63	5.0E-05	0.00	42.1	1.88	7	32.9	39.2	72.2	25.4	38	35.4	6.0	-0.16	6.6	19.5
12.80	5.0E-05	0.00	42.7	1.64	7	33.6	33.6	67.2	23.7	38	36.0	6.0	-0.15	6.0	19.1
12.96	5.0E-04	0.00	48.4	0.99	7	38.2	19.6	57.8	17.7	38	39.7	1.0	-0.12	3.4	15.8
13.12	5.0E-04	0.00	56.3	0.59	9	44.6	11.2	55.9	12.5	40	44.1	1.0	-0.09	2.1	16.7
13.29	5.0E-03	0.00	69.4	0.32	9	55.2	0.0	55.2	5.0	40	50.2	1.0	-0.06	0.0	13.5
13.45	5.0E-03	0.00	82.9	0.33	9	66.2	0.0	66.2	5.0	42	55.5	1.0	-0.08	0.0	16.2
13.62	5.0E-03	0.00	91.3	0.80	9	73.3	11.2	84.4	10.0	42	58.4	1.0	-0.16	1.6	19.5
13.78	5.0E-04	0.00	83.4	1.14	9	67.5	18.7	86.1	13.1	42	56.0	1.0	-0.18	3.5	25.5
13.94	5.0E-04	0.00	74.4	1.44	7	60.6	25.6	86.2	16.1	40	52.9	1.0	-0.19	4.5	24.3
14.11	5.0E-04	0.00	89.0	1.12	9	72.8	18.1	90.8	12.4	42	58.2	1.0	-0.19	3.4	27.1
14.27	5.0E-03	0.00	91.6	0.79	9	75.4	11.2	86.6	9.9	42	59.2	1.0	-0.16	1.6	20.1
14.44	5.0E-03	0.00	87.2	0.92	9	72.1	14.4	86.6	11.2	42	57.9	1.0	-0.17	2.1	19.7
14.60	5.0E-03	0.00	81.9	0.87	9	68.2	14.0	82.2	11.4	42	56.3	1.0	-0.16	2.0	18.7
14.76	5.0E-03	0.00	85.0	0.79	9	71.2	12.2	83.4	10.5	42	57.5	1.0	-0.15	1.8	19.2
14.93	5.0E-03	0.00	92.9	0.70	9	78.2	9.4	87.6	9.0	42	60.2	1.0	-0.15	1.4	20.5
15.09	5.0E-03	0.00	91.1	0.74	9	77.1	10.5	87.6	9.5	42	59.8	1.0	-0.15	1.5	20.4
15.26	5.0E-03	0.00	87.4	0.70	9	74.4	10.2	84.6	9.5	42	58.8	1.0	-0.14	1.5	19.7
15.42	5.0E-03	0.00	86.5	0.67	9	74.1	9.7	83.8	9.3	42	58.7	1.0	-0.14	1.4	19.5
15.58	5.0E-03	0.00	87.4	0.71	9	75.3	10.6	85.9	9.6	42	59.1	1.0	-0.14	1.5	20.0
15.75	5.0E-03	0.00	88.8	0.71	9	76.9	10.4	87.3	9.4	42	59.8	1.0	-0.15	1.5	20.3
15.91	5.0E-03	0.00	82.8	0.70	9	72.2	11.1	83.3	10.0	42	57.9	1.0	-0.14	1.6	19.3
16.08	5.0E-03	0.00	74.6	0.67	9	65.5	11.5	77.0	10.6	40	55.1	1.0	-0.13	1.7	17.7
16.24	5.0E-03	0.00	70.4	0.76	9	62.1	14.0	76.1	11.9	40	53.6	1.0	-0.13	2.0	17.2
16.40	5.0E-03	0.00	70.2	0.88	9	62.3	16.5	78.8	12.9	40	53.7	1.0	-0.14	2.3	17.5
16.57	5.0E-04	0.00	66.5	0.99	9	59.3	19.5	78.8	14.3	40	52.3	1.0	-0.15	3.5	22.9
16.73	5.0E-04	0.00	66.9	1.03	9	60.0	20.4	80.4	14.5	40	52.6	1.0	-0.15	3.7	23.3
.90	5.0E-03	0.00	74.2	0.62	9	66.8	10.9	77.7	10.3	40	55.7	1.0	-0.12	1.6	17.9
.06	5.0E-03	0.00	74.8	0.63	9	67.7	11.0	78.7	10.2	40	56.1	1.0	-0.12	1.6	18.1
.22	5.0E-03	0.00	72.2	0.64	9	65.7	11.8	77.4	10.7	40	55.2	1.0	-0.12	1.7	17.8
17.39	5.0E-03	0.00	69.1	0.65	9	63.2	12.4	75.6	11.1	40	54.1	1.0	-0.12	1.8	17.2

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	66.8	0.70	9	61.4	13.8	75.3	11.9	40	53.3	1.0	-0.12	2.0	17.0
17.72	5.0E-04	0.00	58.6	0.89	9	54.3	19.1	73.4	14.8	40	49.8	1.0	-0.13	3.4	21.2
17.88	5.0E-04	0.00	51.5	1.49	7	48.0	33.9	81.9	20.5	38	46.3	1.0	-0.16	5.5	21.1
18.04	5.0E-04	0.00	46.2	1.75	7	43.3	41.9	85.3	23.4	38	43.3	1.0	-0.17	6.3	20.4
18.21	5.0E-05	0.00	39.8	2.41	7	37.6	67.4	105.0	29.0	38	39.3	6.0	-0.19	9.9	24.6
18.37	5.0E-05	0.00	37.8	1.98	7	36.0	53.9	89.8	27.5	38	38.0	6.0	-0.16	8.5	22.5
18.54	5.0E-05	0.00	37.9	1.60	7	36.3	42.1	78.4	25.1	38	38.2	6.0	-0.14	7.2	21.4
18.70	5.0E-04	0.00	42.7	1.77	7	40.9	44.7	85.6	24.5	38	41.7	1.0	-0.16	6.5	19.8
18.86	5.0E-05	0.00	41.1	1.98	7	39.6	52.2	91.8	26.3	38	40.7	6.0	-0.17	8.6	24.1
19.03	5.0E-05	0.00	35.5	2.36	7	34.5	73.1	107.6	30.5	38	36.8	6.0	-0.17	10.0	23.5
19.19	5.0E-05	0.00	34.8	2.21	7	33.9	67.8	101.7	30.0	36	36.3	6.0	-0.16	9.5	22.8
19.36	5.0E-05	0.00	33.4	2.00	7	32.8	60.7	93.5	29.3	36	35.3	6.0	-0.14	8.8	21.6
19.52	5.0E-05	0.01	31.3	1.94	7	30.9	62.0	92.9	30.0	36	33.6	6.0	-0.14	8.7	20.8
19.68	5.0E-05	0.01	31.0	1.75	7	30.7	54.4	85.1	28.9	36	33.5	6.0	-0.12	8.0	20.0
19.85	5.0E-05	0.01	28.2	1.61	7	28.2	53.0	81.2	29.4	36	31.0	6.0	-0.11	7.6	18.7
20.01	5.0E-05	0.01	26.4	1.51	7	26.5	52.3	78.8	29.9	34	30.0	6.0	-0.09	7.4	17.7
20.18	5.0E-05	0.01	27.3	1.37	7	27.5	45.3	72.9	28.3	36	30.3	6.0	-0.09	6.9	17.7
20.34	5.0E-05	0.01	29.7	1.56	7	30.0	49.5	79.5	28.3	36	32.8	6.0	-0.11	7.5	19.2
20.51	5.0E-04	0.01	31.0	1.36	7	31.3	41.2	72.6	26.3	36	34.0	1.0	-0.10	5.6	15.9
20.67	5.0E-04	0.01	34.1	1.13	7	34.6	32.7	67.3	23.2	36	36.8	1.0	-0.09	4.9	16.2
20.83	5.0E-04	0.00	36.4	1.22	7	37.0	34.1	71.1	23.0	38	38.8	1.0	-0.11	5.2	17.2
21.00	5.0E-04	0.00	36.3	1.29	7	37.0	36.4	73.4	23.6	38	38.8	1.0	-0.11	5.4	17.5
21.16	5.0E-04	0.00	36.3	1.71	7	37.2	49.4	86.6	26.4	38	38.9	1.0	-0.14	6.7	18.9
21.33	5.0E-04	0.00	35.8	1.58	7	36.8	45.8	82.6	25.8	38	38.7	1.0	-0.13	6.4	18.4
21.49	5.0E-04	0.00	38.1	1.23	7	39.2	34.3	73.5	22.5	38	40.4	1.0	-0.11	5.3	18.1
21.65	5.0E-04	0.00	40.6	0.77	7	41.9	21.9	63.8	17.8	38	42.3	1.0	-0.08	3.7	17.4
21.82	5.0E-04	0.00	38.8	0.82	7	40.3	23.7	64.0	18.9	38	41.2	1.0	-0.08	4.0	17.1
21.98	5.0E-04	0.00	35.1	1.30	7	36.6	38.2	74.8	24.1	38	38.5	1.0	-0.11	5.6	17.6
22.15	5.0E-05	0.00	31.1	1.69	7	32.7	55.4	88.1	28.5	36	35.3	6.0	-0.12	8.3	21.1
.31	5.0E-05	0.00	28.1	2.06	6	29.7	81.0	110.8	32.4	36	32.5	6.0	-0.13	9.8	21.5
.47	5.0E-05	0.00	26.4	1.86	7	28.1	74.4	102.6	32.2	36	30.9	6.0	-0.11	9.2	20.2
22.64	5.0E-05	0.01	25.2	1.90	6	27.0	82.3	109.3	33.2	34	30.0	6.0	-0.11	9.4	20.0
22.80	5.0E-05	0.01	24.0	1.76	6	25.8	77.5	103.3	33.1	34	30.0	6.0	-0.10	8.9	19.1
22.97	5.0E-05	0.02	22.7	1.65	6	24.6	75.3	99.9	33.2	34	30.0	6.0	-0.09	8.6	18.2
23.13	5.0E-05	0.02	21.6	1.31	7	23.6	57.4	81.0	31.6	34	30.0	6.0	-0.06	7.3	16.6
23.29	5.0E-05	0.02	23.4	1.62	7	25.5	70.9	96.3	32.6	34	30.0	6.0	-0.09	8.5	18.5
23.46	5.0E-04	0.02	28.5	1.44	7	31.0	49.8	80.8	28.1	36	33.7	1.0	-0.10	6.3	16.5
23.62	5.0E-05	0.01	27.3	1.90	7	29.8	75.9	105.7	31.9	36	32.6	6.0	-0.12	9.5	21.2
23.79	5.0E-05	0.01	25.4	1.69	7	27.9	69.2	97.1	31.7	34	30.7	6.0	-0.10	8.8	19.7
23.95	5.0E-05	0.02	22.2	1.66	6	24.6	80.5	105.1	33.7	34	30.0	6.0	-0.08	8.9	18.5
24.11	5.0E-05	0.02	25.6	1.53	7	28.2	59.9	88.2	30.5	34	31.0	6.0	-0.09	8.2	19.2
24.28	5.0E-05	0.01	27.6	1.62	7	30.5	60.5	91.0	29.9	36	33.2	6.0	-0.10	8.5	20.4
24.44	5.0E-05	0.01	27.7	1.79	7	30.7	69.3	100.0	31.0	36	33.4	6.0	-0.11	9.2	21.2
24.61	5.0E-05	0.02	27.4	1.79	7	30.5	70.3	100.8	31.1	36	33.3	6.0	-0.11	9.2	21.2
24.77	5.0E-05	0.02	27.8	1.63	7	31.1	61.4	92.4	29.9	36	33.8	6.0	-0.11	8.6	20.8
24.93	5.0E-04	0.02	31.0	1.54	7	34.6	52.4	87.0	27.6	36	36.8	1.0	-0.11	6.8	18.1
25.10	5.0E-04	0.00	32.5	1.48	7	36.3	48.9	85.2	26.5	36	38.3	1.0	-0.11	6.6	18.5
25.26	5.0E-04	0.00	42.2	1.25	7	47.0	36.2	83.2	21.3	38	45.7	1.0	-0.12	5.7	21.1
25.43	5.0E-04	0.00	47.2	1.57	7	52.7	43.9	96.6	22.0	38	48.9	1.0	-0.16	6.8	24.0
25.59	5.0E-05	0.00	40.0	2.24	7	44.9	72.2	117.1	28.1	38	44.3	6.0	-0.18	11.0	28.6
25.75	5.0E-05	0.00	36.9	2.54	6	41.7	92.0	133.7	30.8	38	42.2	6.0	-0.19	12.3	28.6
25.92	5.0E-04	0.00	41.1	2.09	7	46.5	65.4	111.8	26.9	38	45.3	1.0	-0.17	8.7	23.9
26.08	5.0E-05	0.00	38.8	2.38	7	44.1	80.9	125.0	29.2	38	43.8	6.0	-0.18	11.7	29.0
26.25	5.0E-05	0.00	39.1	2.79	6	44.5	102.9	147.4	31.2	38	44.1	6.0	-0.21	13.5	30.9
26.41	5.0E-05	0.00	40.0	2.83	6	45.6	103.5	149.1	31.0	38	44.8	6.0	-0.21	13.7	31.6
26.57	5.0E-05	0.00	40.8	2.57	7	46.7	87.8	134.5	29.5	38	45.4	6.0	-0.20	12.6	30.9
26.74	5.0E-05	0.00	41.2	2.47	7	47.2	83.0	130.2	28.9	38	45.8	6.0	-0.19	12.3	30.7
26.90	5.0E-04	0.00	53.3	1.67	7	61.1	46.3	107.3	21.1	40	53.1	1.0	-0.18	7.4	27.3
27.07	5.0E-03	0.00	74.0	1.18	9	84.6	29.0	113.6	14.6	40	62.5	1.0	-0.17	3.9	24.6
27.23	5.0E-03	0.00	87.2	0.99	9	99.7	21.9	121.6	11.7	42	67.2	1.0	-0.17	3.1	27.5
27.39	5.0E-03	0.00	98.8	1.00	9	113.3	20.4	133.6	10.7	42	70.8	1.0	-0.19	2.9	30.6
56	5.0E-02	0.00	106.3	0.98	9	122.1	18.8	140.9	10.0	42	73.0	1.0	-0.19	2.2	26.1
.72	5.0E+00	0.00	136.3	0.01	10	156.8	0.0	156.8	3.3	44	80.2	1.0	0.16	0.0	25.6
27.89	5.0E+00	0.00	149.8	0.01	10	172.8	0.0	172.8	3.1	44	83.0	1.0	0.16	0.0	28.2

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5259
b No: 99-315
ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-36
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 14:32
CPT File: 315CP36.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.5	0.02	0.44	0.0	1	74.5	0.01	0.01	0.00	2.00	2.2	4.3	0.36	0.00
0.33	4.1	0.02	0.49	-0.5	1	74.5	0.01	0.01	0.00	2.00	2.0	3.9	0.33	0.00
0.49	6.2	0.02	0.32	-0.5	1	74.5	0.02	0.02	0.00	2.00	3.0	5.9	0.49	0.00
0.66	10.2	0.02	0.20	-0.3	6	98.7	0.03	0.03	0.00	2.00	3.9	7.8	0.81	0.00
0.82	14.7	0.02	0.14	-0.5	6	98.7	0.03	0.03	0.00	2.00	5.6	11.3	1.17	0.00
0.98	20.1	0.02	0.10	-0.3	7	98.7	0.04	0.04	0.00	2.00	6.4	12.8	UnDef	0.09
1.15	23.3	0.02	0.09	-0.4	7	98.7	0.05	0.05	0.00	2.00	7.4	14.8	UnDef	0.09
.31	24.8	0.02	0.08	-0.5	7	98.7	0.06	0.06	0.00	2.00	7.9	15.8	UnDef	0.09
.48	26.0	0.02	0.08	0.0	7	98.7	0.07	0.07	0.00	2.00	8.3	16.6	UnDef	0.09
1.64	28.4	0.14	0.49	0.0	7	98.7	0.07	0.07	0.00	2.00	9.1	18.1	UnDef	0.09
1.80	31.9	0.23	0.72	-0.6	7	98.7	0.08	0.08	0.00	2.00	10.2	20.4	UnDef	0.10
1.97	50.9	0.24	0.47	0.0	8	101.8	0.09	0.09	0.00	2.00	12.2	24.4	UnDef	0.17
2.13	51.5	0.09	0.18	0.0	8	101.8	0.10	0.10	0.00	2.00	12.3	24.7	UnDef	0.17
2.30	42.0	0.06	0.14	0.0	8	101.8	0.11	0.11	0.00	2.00	10.0	20.1	UnDef	0.13
2.46	34.4	0.02	0.06	0.0	8	101.8	0.12	0.12	0.00	2.00	8.2	16.5	UnDef	0.11
2.62	28.7	0.02	0.07	0.0	7	98.7	0.12	0.12	0.00	2.00	9.2	18.3	UnDef	0.10
2.79	26.9	0.02	0.07	-1.4	7	98.7	0.13	0.13	0.00	2.00	8.6	17.2	UnDef	0.09
2.95	28.6	0.03	0.11	-1.3	7	98.7	0.14	0.14	0.00	2.00	9.1	18.3	UnDef	0.10
3.12	27.2	0.06	0.22	-1.2	7	98.7	0.15	0.15	0.00	2.00	8.7	17.4	UnDef	0.09
3.28	23.3	0.02	0.09	-1.1	7	98.7	0.16	0.16	0.00	2.00	7.4	14.8	UnDef	0.09
3.44	21.8	0.04	0.18	-1.4	7	98.7	0.16	0.16	0.00	2.00	7.0	13.9	UnDef	0.09
3.61	21.1	0.04	0.19	-1.3	7	98.7	0.17	0.17	0.00	2.00	6.7	13.5	UnDef	0.09
3.77	17.2	0.02	0.12	-1.3	7	98.7	0.18	0.18	0.00	2.00	5.5	11.0	UnDef	0.08
3.94	14.4	0.03	0.21	-1.3	6	98.7	0.19	0.19	0.00	2.00	5.5	11.0	1.13	0.00
4.10	13.5	0.06	0.44	-1.4	6	98.7	0.20	0.20	0.00	2.00	5.2	10.4	1.07	0.00
4.27	12.4	0.05	0.40	-1.5	6	98.7	0.20	0.20	0.00	2.00	4.7	9.5	0.97	0.00
4.43	12.9	0.06	0.47	-1.2	6	98.7	0.21	0.21	0.00	2.00	4.9	9.9	1.01	0.00
4.59	13.6	0.09	0.66	-1.4	6	98.7	0.22	0.22	0.00	2.00	5.2	10.4	1.07	0.08
4.76	15.3	0.16	1.05	-0.9	6	98.7	0.23	0.23	0.00	2.00	5.8	11.7	1.20	0.09
4.92	15.2	0.19	1.25	0.1	6	98.7	0.24	0.24	0.00	2.00	5.8	11.7	1.20	0.09
5.09	16.3	0.16	0.98	2.9	6	98.7	0.24	0.24	0.00	2.00	6.2	12.5	1.28	0.09
5.25	16.8	0.16	0.96	4.8	6	98.7	0.25	0.25	0.00	1.99	6.4	12.8	1.32	0.09
5.41	18.4	0.19	1.04	9.2	6	98.7	0.26	0.26	0.00	1.96	7.0	13.8	1.45	0.09
5.58	19.0	0.22	1.16	11.0	6	98.7	0.27	0.27	0.00	1.93	7.3	14.0	1.50	0.09
5.74	19.4	0.41	2.12	10.6	6	98.7	0.28	0.28	0.00	1.90	7.4	14.1	1.53	0.10
5.91	19.4	0.32	1.65	14.0	6	98.7	0.29	0.29	0.00	1.87	7.4	13.9	1.53	0.10
6.07	22.4	0.35	1.57	-2.6	6	98.7	0.29	0.29	0.00	1.85	8.6	15.8	1.77	0.10
6.23	21.2	0.37	1.75	2.5	6	98.7	0.30	0.30	0.00	1.82	8.1	14.8	1.67	0.10
6.40	20.5	0.40	1.95	5.5	6	98.7	0.31	0.31	0.00	1.80	7.9	14.1	1.62	0.10
56	20.5	0.33	1.61	9.7	6	98.7	0.32	0.32	0.00	1.77	7.8	13.9	1.61	0.10
.73	20.1	0.32	1.60	9.6	6	98.7	0.33	0.33	0.00	1.75	7.7	13.5	1.58	0.10
6.89	19.5	0.31	1.59	11.1	6	98.7	0.33	0.33	0.00	1.73	7.5	13.0	1.54	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.6	0.28	1.43	13.3	6	98.7	0.34	0.34	0.00	1.71	7.5	12.8	1.54	0.09
7.22	19.7	0.26	1.32	15.2	6	98.7	0.35	0.35	0.00	1.69	7.6	12.8	1.55	0.09
7.38	20.5	0.26	1.27	15.5	6	98.7	0.36	0.36	0.00	1.67	7.8	13.1	1.61	0.09
7.55	20.2	0.26	1.29	13.5	6	98.7	0.37	0.37	0.00	1.65	7.7	12.8	1.59	0.09
7.71	21.4	0.26	1.22	14.7	6	98.7	0.37	0.37	0.00	1.63	8.2	13.4	1.68	0.09
7.87	24.9	0.25	1.01	9.6	6	98.7	0.38	0.38	0.00	1.62	9.5	15.4	1.96	0.09
8.04	27.3	0.20	0.73	-3.0	7	98.7	0.39	0.39	0.00	1.60	8.7	14.0	UnDef	0.09
8.20	27.5	0.11	0.40	-1.8	7	98.7	0.40	0.40	0.00	1.58	8.8	13.9	UnDef	0.09
8.37	32.4	0.06	0.19	-2.2	7	98.7	0.41	0.41	0.00	1.57	10.4	16.2	UnDef	0.09
8.53	33.5	0.02	0.06	-1.9	8	101.8	0.42	0.42	0.00	1.55	8.0	12.4	UnDef	0.09
8.69	35.6	0.02	0.06	-2.0	8	101.8	0.42	0.42	0.00	1.54	8.5	13.1	UnDef	0.09
8.86	36.8	0.02	0.05	-1.8	8	101.8	0.43	0.43	0.00	1.52	8.8	13.4	UnDef	0.10
9.02	39.5	0.02	0.05	-1.8	8	101.8	0.44	0.44	0.00	1.51	9.4	14.2	UnDef	0.10
9.19	41.7	0.02	0.05	-1.7	8	101.8	0.45	0.45	0.00	1.49	10.0	14.9	UnDef	0.10
9.35	38.7	0.02	0.05	-1.4	8	101.8	0.46	0.46	0.00	1.48	9.3	13.7	UnDef	0.10
9.51	41.5	0.02	0.05	-1.5	8	101.8	0.47	0.47	0.00	1.47	9.9	14.6	UnDef	0.10
9.68	40.4	0.02	0.05	-1.5	8	101.8	0.47	0.47	0.00	1.45	9.7	14.0	UnDef	0.10
9.84	38.1	0.02	0.05	-1.4	8	101.8	0.48	0.48	0.00	1.44	9.1	13.2	UnDef	0.09
10.01	37.0	0.02	0.05	-1.5	8	101.8	0.49	0.49	0.00	1.43	8.9	12.6	UnDef	0.09
10.17	34.2	0.02	0.06	-1.5	8	101.8	0.50	0.50	0.00	1.42	8.2	11.6	UnDef	0.09
10.33	30.1	0.07	0.23	-1.5	7	98.7	0.51	0.51	0.00	1.40	9.6	13.5	UnDef	0.09
10.50	30.5	0.15	0.49	-1.5	7	98.7	0.51	0.51	0.00	1.39	9.7	13.6	UnDef	0.09
10.66	32.5	0.21	0.65	-1.3	7	98.7	0.52	0.52	0.00	1.38	10.4	14.4	UnDef	0.10
10.83	34.6	0.20	0.58	-1.9	7	98.7	0.53	0.53	0.00	1.37	11.0	15.2	UnDef	0.10
10.99	38.5	0.03	0.08	-1.5	8	101.8	0.54	0.54	0.00	1.36	9.2	12.6	UnDef	0.09
11.15	41.8	0.02	0.05	-1.5	8	101.8	0.55	0.55	0.00	1.35	10.0	13.5	UnDef	0.10
11.32	44.8	0.02	0.04	-1.5	8	101.8	0.56	0.56	0.00	1.34	10.7	14.4	UnDef	0.10
11.48	45.6	0.02	0.04	-1.5	8	101.8	0.56	0.56	0.00	1.33	10.9	14.5	UnDef	0.10
11.65	45.2	0.02	0.04	-1.5	8	101.8	0.57	0.57	0.00	1.32	10.8	14.3	UnDef	0.10
81	46.7	0.07	0.15	-1.5	8	101.8	0.58	0.58	0.00	1.31	11.2	14.7	UnDef	0.10
.97	55.4	0.05	0.09	-1.5	8	101.8	0.59	0.59	0.00	1.30	13.3	17.3	UnDef	0.11
12.14	59.8	0.07	0.12	-1.4	8	101.8	0.60	0.60	0.00	1.29	14.3	18.5	UnDef	0.12
12.30	57.2	0.11	0.19	-1.4	8	101.8	0.61	0.61	0.00	1.28	13.7	17.6	UnDef	0.11
12.47	50.1	0.07	0.14	-1.5	8	101.8	0.61	0.61	0.00	1.28	12.0	15.3	UnDef	0.10
12.63	43.9	0.19	0.43	-1.2	8	101.8	0.62	0.62	0.00	1.27	10.5	13.3	UnDef	0.10
12.80	40.8	0.33	0.81	-1.2	7	98.7	0.63	0.63	0.00	1.26	13.0	16.4	UnDef	0.11
12.96	37.6	0.37	0.99	-1.3	7	98.7	0.64	0.64	0.00	1.25	12.0	15.0	UnDef	0.11
13.12	39.0	0.29	0.75	-0.8	7	98.7	0.65	0.65	0.00	1.24	12.4	15.5	UnDef	0.10
13.29	35.7	0.28	0.79	-1.0	7	98.7	0.66	0.66	0.00	1.24	11.4	14.1	UnDef	0.10
13.45	33.2	0.47	1.42	-0.8	6	98.7	0.66	0.66	0.00	1.23	12.7	15.6	2.60	0.11
13.62	33.9	0.41	1.21	0.8	7	98.7	0.67	0.67	0.00	1.22	10.8	13.2	UnDef	0.11
13.78	34.3	0.41	1.20	-1.2	7	98.7	0.68	0.68	0.00	1.21	10.9	13.3	UnDef	0.11
13.94	33.9	0.41	1.21	-0.9	7	98.7	0.69	0.69	0.00	1.21	10.8	13.1	UnDef	0.11
14.11	41.1	0.33	0.81	-0.8	7	98.7	0.70	0.70	0.00	1.20	13.1	15.7	UnDef	0.10
14.27	47.3	0.14	0.30	-1.2	8	101.8	0.70	0.70	0.00	1.19	11.3	13.5	UnDef	0.10
14.44	50.8	0.02	0.04	-1.0	8	101.8	0.71	0.71	0.00	1.18	12.2	14.4	UnDef	0.10
14.60	54.0	0.16	0.30	-1.2	8	101.8	0.72	0.72	0.00	1.18	12.9	15.2	UnDef	0.10
14.76	50.9	0.27	0.53	-1.0	8	101.8	0.73	0.73	0.00	1.17	12.2	14.3	UnDef	0.11
14.93	50.1	0.30	0.60	-1.1	8	101.8	0.74	0.74	0.00	1.16	12.0	14.0	UnDef	0.11
15.09	54.1	0.02	0.04	-1.1	8	101.8	0.75	0.75	0.00	1.16	13.0	15.0	UnDef	0.10
15.26	59.0	0.03	0.05	-1.1	8	101.8	0.75	0.75	0.00	1.15	14.1	16.3	UnDef	0.11
15.42	57.0	0.15	0.26	-1.2	8	101.8	0.76	0.76	0.00	1.15	13.7	15.6	UnDef	0.10
15.58	56.0	0.23	0.41	-1.2	8	101.8	0.77	0.77	0.00	1.14	13.4	15.3	UnDef	0.10
15.75	63.3	0.15	0.24	-1.0	8	101.8	0.78	0.78	0.00	1.13	15.2	17.2	UnDef	0.11
15.91	69.4	0.15	0.22	-0.8	8	101.8	0.79	0.79	0.00	1.13	16.6	18.7	UnDef	0.12
16.08	67.8	0.02	0.03	-0.6	8	101.8	0.80	0.80	0.00	1.12	16.2	18.2	UnDef	0.12
16.24	67.2	0.06	0.09	-0.6	8	101.8	0.80	0.80	0.00	1.12	16.1	17.9	UnDef	0.12
16.40	68.4	0.09	0.13	-0.7	8	101.8	0.81	0.81	0.00	1.11	16.4	18.2	UnDef	0.12
16.57	69.0	0.09	0.13	-0.6	8	101.8	0.82	0.82	0.00	1.10	16.5	18.2	UnDef	0.12
16.73	66.4	0.09	0.14	-0.6	8	101.8	0.83	0.83	0.00	1.10	15.9	17.4	UnDef	0.11
14.90	63.0	0.08	0.13	-0.7	8	101.8	0.84	0.84	0.00	1.09	15.1	16.5	UnDef	0.11
06	60.2	0.08	0.13	-0.6	8	101.8	0.85	0.85	0.00	1.09	14.4	15.7	UnDef	0.10
.22	59.0	0.14	0.24	-0.7	8	101.8	0.85	0.85	0.00	1.08	14.1	15.3	UnDef	0.10
17.39	55.9	0.27	0.48	-0.6	8	101.8	0.86	0.86	0.00	1.08	13.4	14.4	UnDef	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	52.2	0.45	0.86	-0.6	7	98.7	0.87	0.87	0.00	1.07	16.7	17.9	UnDef	0.12
17.72	52.3	0.43	0.82	-0.8	7	98.7	0.88	0.88	0.00	1.07	16.7	17.8	UnDef	0.12
17.88	50.3	0.48	0.96	-0.5	7	98.7	0.89	0.89	0.00	1.06	16.1	17.1	UnDef	0.12
18.04	47.7	0.42	0.88	-0.6	7	98.7	0.90	0.90	0.00	1.06	15.2	16.1	UnDef	0.11
18.21	44.8	0.43	0.96	-0.7	7	98.7	0.90	0.90	0.00	1.05	14.3	15.1	UnDef	0.11
18.37	46.4	0.49	1.06	-0.6	7	98.7	0.91	0.91	0.00	1.05	14.8	15.5	UnDef	0.12
18.54	52.2	0.43	0.83	-1.0	7	98.7	0.92	0.92	0.00	1.04	16.7	17.4	UnDef	0.12
18.70	60.7	0.19	0.31	-0.7	8	101.8	0.93	0.93	0.00	1.04	14.5	15.1	UnDef	0.10
18.86	63.8	0.20	0.31	-0.7	8	101.8	0.94	0.94	0.00	1.03	15.3	15.8	UnDef	0.11
19.03	53.0	0.32	0.61	-0.8	8	101.8	0.94	0.94	0.00	1.03	12.7	13.1	UnDef	0.11
19.19	48.7	0.38	0.78	-0.4	7	98.7	0.95	0.95	0.00	1.02	15.5	15.9	UnDef	0.11
19.36	55.6	0.44	0.79	-0.3	8	101.8	0.96	0.96	0.00	1.02	13.3	13.6	UnDef	0.12
19.52	56.5	0.56	0.99	-0.1	7	98.7	0.97	0.97	0.00	1.02	18.0	18.3	UnDef	0.13
19.68	51.7	0.29	0.56	-0.1	8	101.8	0.98	0.98	0.00	1.01	12.4	12.5	UnDef	0.11
19.85	49.9	0.25	0.50	-0.2	8	101.8	0.99	0.99	0.00	1.01	11.9	12.0	UnDef	0.10
20.01	50.1	0.34	0.68	-0.2	7	98.7	0.99	0.99	0.00	1.00	16.0	16.0	UnDef	0.11
20.18	53.9	0.31	0.58	-0.7	8	101.8	1.00	1.00	0.00	1.00	12.9	12.9	UnDef	0.11
20.34	51.9	0.31	0.60	-0.1	8	101.8	1.01	1.01	0.00	0.99	12.4	12.4	UnDef	0.11
20.51	48.2	0.37	0.77	-0.4	7	98.7	1.02	1.02	0.00	0.99	15.4	15.2	UnDef	0.11
20.67	42.8	0.36	0.84	-0.1	7	98.7	1.03	1.03	0.00	0.99	13.7	13.5	UnDef	0.11
20.83	36.2	0.58	1.61	-0.1	6	98.7	1.03	1.03	0.00	0.98	13.9	13.6	2.81	0.14
21.00	33.0	0.72	2.19	1.9	6	98.7	1.04	1.04	0.00	0.98	12.6	12.4	2.55	0.22
21.16	29.7	0.57	1.93	6.6	6	98.7	1.05	1.05	0.00	0.98	11.4	11.1	2.29	0.19
21.33	26.6	0.41	1.54	11.5	6	98.7	1.06	1.06	0.00	0.97	10.2	9.9	2.05	0.15
21.49	27.0	0.32	1.19	13.5	6	98.7	1.07	1.07	0.00	0.97	10.3	10.0	2.07	0.11
21.65	27.9	0.31	1.12	15.4	6	98.7	1.08	1.08	0.00	0.96	10.7	10.3	2.14	0.11
21.82	28.2	0.32	1.14	16.9	6	98.7	1.08	1.08	0.00	0.96	10.8	10.4	2.17	0.11
21.98	29.7	0.34	1.15	18.5	7	98.7	1.09	1.09	0.00	0.96	9.5	9.1	UnDef	0.11
22.15	25.7	0.59	2.30	20.0	6	98.7	1.10	1.10	0.00	0.95	9.8	9.4	1.97	0.24
31	22.7	0.52	2.30	20.9	6	98.7	1.11	1.11	0.00	0.95	8.7	8.3	1.73	0.19
.47	30.5	0.48	1.58	-1.5	6	98.7	1.12	1.12	0.00	0.95	11.7	11.1	2.35	0.15
22.64	27.5	0.44	1.60	4.1	6	98.7	1.12	1.12	0.00	0.94	10.5	9.9	2.11	0.17
22.80	27.2	0.42	1.55	5.9	6	98.7	1.13	1.13	0.00	0.94	10.4	9.8	2.09	0.16
22.97	27.6	0.38	1.38	7.5	6	98.7	1.14	1.14	0.00	0.94	10.6	9.9	2.12	0.14
23.13	28.3	0.41	1.45	8.3	6	98.7	1.15	1.15	0.00	0.93	10.9	10.1	2.18	0.15
23.29	30.8	0.46	1.50	9.7	6	98.7	1.16	1.16	0.00	0.93	11.8	11.0	2.37	0.15
23.46	30.6	0.48	1.57	8.3	6	98.7	1.16	1.16	0.00	0.93	11.7	10.9	2.35	0.16
23.62	34.0	0.37	1.09	9.6	7	98.7	1.17	1.17	0.00	0.92	10.9	10.0	UnDef	0.11
23.79	49.7	0.21	0.42	2.8	8	101.8	1.18	1.18	0.00	0.92	11.9	11.0	UnDef	0.09
23.95	55.6	0.21	0.38	-0.6	8	101.8	1.19	1.19	0.00	0.92	13.3	12.2	UnDef	0.09
24.11	55.1	0.50	0.91	-0.3	7	98.7	1.20	1.20	0.00	0.91	17.6	16.1	UnDef	0.12
24.28	50.7	0.89	1.76	-0.5	7	98.7	1.21	1.21	0.00	0.91	16.2	14.7	UnDef	0.17
24.44	43.0	1.13	2.63	-0.4	6	98.7	1.21	1.21	0.00	0.91	16.5	15.0	3.34	0.37
24.61	44.3	1.14	2.58	0.0	6	98.7	1.22	1.22	0.00	0.90	17.0	15.4	3.45	0.34
24.77	41.6	0.93	2.24	-0.6	6	98.7	1.23	1.23	0.00	0.90	16.0	14.4	3.23	0.26
24.93	45.8	0.71	1.55	-0.6	7	98.7	1.24	1.24	0.00	0.90	14.6	13.1	UnDef	0.15
25.10	57.4	0.44	0.77	-1.3	8	101.8	1.25	1.25	0.00	0.90	13.7	12.3	UnDef	0.12
25.26	58.3	0.31	0.53	-0.8	8	101.8	1.25	1.25	0.00	0.89	13.9	12.5	UnDef	0.11
25.43	56.9	0.37	0.65	-0.7	8	101.8	1.26	1.26	0.00	0.89	13.6	12.1	UnDef	0.11
25.59	58.6	0.53	0.91	-0.6	7	98.7	1.27	1.27	0.00	0.89	18.7	16.6	UnDef	0.12
25.75	74.2	0.87	1.17	-0.8	8	101.8	1.28	1.28	0.00	0.88	17.8	15.7	UnDef	0.16
25.92	76.9	1.00	1.30	-0.6	7	98.7	1.29	1.29	0.00	0.88	24.6	21.6	UnDef	0.18
26.08	141.3	1.04	0.74	-0.9	9	101.8	1.30	1.30	0.00	0.88	27.1	23.8	UnDef	0.30
26.25	206.4	0.02	0.01	-0.5	10	127.3	1.30	1.30	0.00	0.88	32.9	28.8	UnDef	0.00
26.41	213.4	0.02	0.01	-0.5	10	127.3	1.32	1.32	0.00	0.87	34.1	29.7	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5259
Job No: 99-315
ient: Stone & Webster Engineering
oject: Private Fuel Storage Faclity
Site: CPT-36
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 14:32
CPT File: 315CP36.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	740.7	0.44	10	8.7	0.0	8.7	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.3
0.33	1.7E-07	0.00	333.6	0.49	10	7.8	0.0	7.8	0.6	UnDef	UnDef	10.0	UnDef	0.0	3.9
0.49	1.7E-07	0.00	336.9	0.32	10	11.9	0.0	11.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.9
0.66	5.0E-05	0.00	398.3	0.20	10	19.4	0.0	19.4	0.0	48	53.7	10.0	-0.17	0.0	7.8
0.82	5.0E-05	0.00	437.4	0.14	10	28.1	0.0	28.1	0.0	48	60.4	10.0	-0.15	0.0	11.3
0.98	5.0E-04	0.00	481.0	0.10	10	38.4	0.0	38.4	0.0	48	66.2	1.0	-0.13	0.0	12.8
1.15	5.0E-04	0.00	466.9	0.09	10	44.5	0.0	44.5	0.0	48	67.9	1.0	-0.11	0.0	14.8
1.31	5.0E-04	0.00	427.9	0.08	10	47.5	0.0	47.5	0.0	48	67.5	1.0	-0.10	0.0	15.8
.48	5.0E-04	0.00	393.6	0.08	10	49.8	0.0	49.8	0.0	48	67.0	1.0	-0.09	0.0	16.6
.64	5.0E-04	0.00	382.3	0.50	10	54.3	0.0	54.3	0.2	48	67.9	1.0	-0.25	0.0	18.1
1.80	5.0E-04	0.00	388.1	0.72	9	61.2	0.0	61.2	1.4	48	69.8	1.0	-0.28	0.0	20.4
1.97	5.0E-03	0.00	562.8	0.47	10	97.5	0.0	97.5	0.0	50	81.8	1.0	-0.28	0.0	24.4
2.13	5.0E-03	0.00	520.9	0.18	10	98.6	0.0	98.6	0.0	48	80.8	1.0	-0.18	0.0	24.7
2.30	5.0E-03	0.00	391.2	0.14	10	80.4	0.0	80.4	0.0	48	73.8	1.0	-0.14	0.0	20.1
2.46	5.0E-03	0.00	297.5	0.06	10	66.0	0.0	66.0	0.0	46	67.0	1.0	-0.04	0.0	16.5
2.62	5.0E-04	0.00	231.1	0.07	10	54.9	0.0	54.9	0.0	46	60.8	1.0	-0.04	0.0	18.3
2.79	5.0E-04	0.00	203.2	0.07	10	51.5	0.0	51.5	0.0	46	58.1	1.0	-0.03	0.0	17.2
2.95	5.0E-04	0.00	203.7	0.11	10	54.8	0.0	54.8	0.0	46	59.0	1.0	-0.06	0.0	18.3
3.12	5.0E-04	0.00	183.0	0.22	9	52.1	0.0	52.1	0.8	44	56.7	1.0	-0.11	0.0	17.4
3.28	5.0E-04	0.00	148.1	0.09	10	44.5	0.0	44.5	0.5	44	51.5	1.0	-0.02	0.0	14.8
3.44	5.0E-04	0.00	131.7	0.19	9	41.7	0.0	41.7	2.0	44	48.9	1.0	-0.07	0.0	13.9
3.61	5.0E-04	0.00	121.4	0.19	9	40.4	0.0	40.4	2.5	42	47.2	1.0	-0.07	0.0	13.5
3.77	5.0E-04	0.00	94.3	0.12	9	32.9	0.0	32.9	3.2	42	40.7	1.0	0.00	0.0	11.0
3.94	5.0E-05	0.00	75.3	0.21	9	27.5	0.0	27.5	5.0	40	35.0	10.0	-0.03	0.0	11.0
4.10	5.0E-05	0.00	67.9	0.45	9	25.9	0.0	25.9	5.0	40	32.7	10.0	-0.08	0.0	10.4
4.27	5.0E-05	0.00	59.6	0.41	9	23.7	0.0	23.7	5.0	40	30.0	10.0	-0.07	0.0	9.5
4.43	5.0E-05	0.00	59.7	0.47	9	24.7	0.0	24.7	5.0	40	30.1	10.0	-0.08	0.0	9.9
4.59	5.0E-05	0.00	60.6	0.67	9	26.0	6.6	32.7	12.6	40	31.1	10.0	-0.11	1.5	11.9
4.76	5.0E-05	0.00	65.7	1.07	7	29.2	10.6	39.8	14.9	40	33.9	10.0	-0.15	2.3	14.0
4.92	5.0E-05	0.00	63.2	1.27	7	29.1	13.3	42.5	16.8	40	33.3	10.0	-0.17	2.8	14.5
5.09	5.0E-05	0.01	65.6	1.00	9	31.2	10.6	41.8	14.5	40	34.8	10.0	-0.15	2.3	14.8
5.25	5.0E-05	0.01	65.2	0.97	9	32.1	10.6	42.7	14.3	40	35.2	10.0	-0.14	2.4	15.1
5.41	5.0E-05	0.02	69.4	1.05	9	35.2	11.6	46.8	14.3	40	37.3	10.0	-0.16	2.5	16.3
5.58	5.0E-05	0.02	69.7	1.18	7	35.9	13.3	49.2	15.1	40	37.9	10.0	-0.17	2.9	16.9
5.74	5.0E-05	0.02	69.0	2.15	7	36.1	26.2	62.3	20.8	40	38.0	10.0	-0.23	5.0	19.2
5.91	5.0E-05	0.02	67.0	1.68	7	35.6	20.3	55.9	18.6	40	37.7	10.0	-0.20	4.1	18.0
6.07	5.0E-05	0.00	75.4	1.59	7	40.5	18.8	59.2	16.9	40	41.4	10.0	-0.21	3.9	19.8
6.23	5.0E-05	0.00	69.4	1.77	7	37.8	22.0	59.8	18.8	40	39.4	10.0	-0.21	4.4	19.2
6.40	5.0E-05	0.01	65.3	1.98	7	36.1	25.6	61.7	20.5	40	38.1	10.0	-0.22	5.0	19.1
6.56	5.0E-05	0.01	63.5	1.64	7	35.6	21.2	56.8	19.0	40	37.6	10.0	-0.19	4.2	18.2
73	5.0E-05	0.02	60.7	1.62	7	34.5	21.5	55.9	19.4	40	36.7	10.0	-0.18	4.3	17.8
.89	5.0E-05	0.02	57.5	1.62	7	33.1	22.0	55.1	20.0	40	35.6	10.0	-0.18	4.3	17.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

ɔth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	56.3	1.46	7	32.8	20.1	52.9	19.2	40	35.3	10.0	-0.17	4.0	16.8
7.22	5.0E-05	0.02	55.4	1.34	7	32.7	18.8	51.5	18.7	40	35.2	10.0	-0.16	3.8	16.6
7.38	5.0E-05	0.02	56.1	1.30	7	33.4	18.3	51.7	18.2	40	35.9	10.0	-0.15	3.7	16.8
7.55	5.0E-05	0.02	54.1	1.32	7	32.6	19.0	51.6	18.8	40	35.2	10.0	-0.15	3.8	16.6
7.71	5.0E-05	0.02	56.2	1.24	7	34.2	17.8	52.1	17.8	40	36.5	10.0	-0.15	3.7	17.1
7.87	5.0E-05	0.01	64.1	1.02	9	39.4	14.1	53.5	14.9	40	40.6	10.0	-0.15	3.0	18.5
8.04	5.0E-04	0.00	68.9	0.74	9	42.8	9.8	52.6	12.0	40	42.9	1.0	-0.13	1.8	15.8
8.20	5.0E-04	0.00	67.9	0.41	9	42.6	0.0	42.6	5.0	40	42.8	1.0	-0.08	0.0	13.9
8.37	5.0E-04	0.00	78.7	0.19	9	49.8	0.0	49.8	5.0	42	47.3	1.0	-0.03	0.0	16.2
8.53	5.0E-03	0.00	79.6	0.06	9	50.8	0.0	50.8	3.9	42	47.9	1.0	0.06	0.0	12.4
8.69	5.0E-03	0.00	83.0	0.06	9	53.5	0.0	53.5	3.6	42	49.4	1.0	0.07	0.0	13.1
8.86	5.0E-03	0.00	84.2	0.06	9	54.8	0.0	54.8	3.5	42	50.0	1.0	0.07	0.0	13.4
9.02	5.0E-03	0.00	88.7	0.05	9	58.2	0.0	58.2	3.2	42	51.8	1.0	0.07	0.0	14.2
9.19	5.0E-03	0.00	92.0	0.05	9	60.9	0.0	60.9	3.0	42	53.1	1.0	0.07	0.0	14.9
9.35	5.0E-03	0.00	83.7	0.05	9	56.0	0.0	56.0	3.5	42	50.7	1.0	0.07	0.0	13.7
9.51	5.0E-03	0.00	88.1	0.05	9	59.5	0.0	59.5	3.2	42	52.4	1.0	0.07	0.0	14.6
9.68	5.0E-03	0.00	84.3	0.05	9	57.4	0.0	57.4	3.5	42	51.4	1.0	0.08	0.0	14.0
9.84	5.0E-03	0.00	78.1	0.05	9	53.7	0.0	53.7	4.0	42	49.5	1.0	0.08	0.0	13.2
10.01	5.0E-03	0.00	74.4	0.05	9	51.7	0.0	51.7	4.3	40	48.4	1.0	0.08	0.0	12.6
10.17	5.0E-03	0.00	67.5	0.06	9	47.4	0.0	47.4	5.0	40	45.8	1.0	0.08	0.0	11.6
10.33	5.0E-04	0.00	58.4	0.24	9	41.4	0.0	41.4	5.0	40	42.0	1.0	-0.02	0.0	13.5
10.50	5.0E-04	0.00	58.2	0.50	9	41.6	8.4	50.0	11.3	40	42.1	1.0	-0.08	1.6	15.2
10.66	5.0E-04	0.00	61.2	0.66	9	44.0	10.8	54.8	12.4	40	43.7	1.0	-0.11	2.0	16.4
10.83	5.0E-04	0.00	64.2	0.59	9	46.5	9.3	55.8	11.2	40	45.3	1.0	-0.10	1.8	16.9
10.99	5.0E-03	0.00	70.4	0.08	9	51.3	0.0	51.3	4.8	40	48.2	1.0	0.05	0.0	12.6
11.15	5.0E-03	0.00	75.3	0.05	9	55.2	0.0	55.2	4.3	40	50.3	1.0	0.09	0.0	13.5
11.32	5.0E-03	0.00	79.6	0.05	9	58.9	0.0	58.9	3.9	42	52.1	1.0	0.09	0.0	14.4
11.48	5.0E-03	0.00	79.8	0.04	9	59.4	0.0	59.4	3.9	42	52.3	1.0	0.09	0.0	14.5
11.65	5.0E-03	0.00	78.0	0.04	9	58.5	0.0	58.5	4.1	40	51.9	1.0	0.09	0.0	14.3
81	5.0E-03	0.00	79.3	0.15	9	59.9	0.0	59.9	4.7	42	52.6	1.0	-0.01	0.0	14.7
.97	5.0E-03	0.00	93.1	0.09	9	70.7	0.0	70.7	3.0	42	57.3	1.0	0.02	0.0	17.3
12.14	5.0E-03	0.00	99.1	0.12	9	75.8	0.0	75.8	2.9	42	59.3	1.0	-0.01	0.0	18.5
12.30	5.0E-03	0.00	93.4	0.19	9	71.9	0.0	71.9	4.1	42	57.8	1.0	-0.04	0.0	17.6
12.47	5.0E-03	0.00	80.5	0.14	9	62.5	0.0	62.5	4.5	42	53.8	1.0	-0.01	0.0	15.3
12.63	5.0E-03	0.00	69.5	0.44	9	54.5	0.0	54.5	5.0	40	49.9	1.0	-0.08	0.0	13.3
12.80	5.0E-04	0.00	63.7	0.82	9	50.3	14.5	64.8	13.4	40	47.6	1.0	-0.13	2.7	19.1
12.96	5.0E-04	0.00	57.9	1.00	7	46.0	18.6	64.7	15.8	40	45.0	1.0	-0.14	3.3	18.3
13.12	5.0E-04	0.00	59.2	0.76	9	47.4	14.1	61.5	13.6	40	45.9	1.0	-0.11	2.6	18.0
13.29	5.0E-04	0.00	53.5	0.80	9	43.2	15.7	58.9	15.0	40	43.2	1.0	-0.11	2.8	16.9
13.45	5.0E-05	0.00	49.1	1.45	7	39.9	29.1	69.0	20.8	38	40.9	6.0	-0.15	5.6	21.2
13.62	5.0E-04	0.00	49.4	1.24	7	40.4	24.9	65.4	19.3	38	41.3	1.0	-0.14	4.1	17.3
13.78	5.0E-04	0.00	49.5	1.22	7	40.7	24.8	65.5	19.2	38	41.5	1.0	-0.14	4.1	17.4
13.94	5.0E-04	0.00	48.3	1.24	7	40.0	25.4	65.4	19.5	38	41.0	1.0	-0.14	4.2	17.2
14.11	5.0E-04	0.00	58.0	0.82	9	48.2	15.9	64.1	14.3	40	46.4	1.0	-0.12	2.9	18.6
14.27	5.0E-03	0.00	66.1	0.30	9	55.1	0.0	55.1	5.0	40	50.2	1.0	-0.05	0.0	13.5
14.44	5.0E-03	0.00	70.4	0.04	9	59.0	0.0	59.0	4.9	40	52.1	1.0	0.11	0.0	14.4
14.60	5.0E-03	0.00	74.0	0.30	9	62.3	0.0	62.3	5.0	40	53.7	1.0	-0.06	0.0	15.2
14.76	5.0E-03	0.00	68.8	0.54	9	58.3	9.3	67.6	10.1	40	51.8	1.0	-0.10	1.3	15.6
14.93	5.0E-03	0.00	67.0	0.61	9	57.1	11.0	68.1	11.0	40	51.2	1.0	-0.11	1.6	15.6
15.09	5.0E-03	0.00	71.5	0.04	9	61.3	0.0	61.3	4.8	40	53.3	1.0	0.11	0.0	15.0
15.26	5.0E-03	0.00	77.2	0.05	9	66.4	0.0	66.4	4.1	40	55.6	1.0	0.08	0.0	16.3
15.42	5.0E-03	0.00	73.8	0.27	9	63.9	0.0	63.9	5.0	40	54.5	1.0	-0.05	0.0	15.6
15.58	5.0E-03	0.00	71.6	0.42	9	62.4	0.0	62.4	5.0	40	53.7	1.0	-0.08	0.0	15.3
15.75	5.0E-03	0.00	80.2	0.24	9	70.2	0.0	70.2	5.0	42	57.1	1.0	-0.05	0.0	17.2
15.91	5.0E-03	0.00	87.2	0.22	9	76.6	0.0	76.6	4.8	42	59.6	1.0	-0.05	0.0	18.7
16.08	5.0E-03	0.00	84.2	0.03	9	74.4	0.0	74.4	3.9	42	58.8	1.0	0.12	0.0	18.2
16.24	5.0E-03	0.00	82.6	0.09	9	73.3	0.0	73.3	3.8	42	58.4	1.0	0.03	0.0	17.9
16.40	5.0E-03	0.00	83.2	0.13	9	74.3	0.0	74.3	4.2	42	58.7	1.0	0.00	0.0	18.2
16.57	5.0E-03	0.00	83.0	0.13	9	74.5	0.0	74.5	4.2	42	58.8	1.0	0.00	0.0	18.2
16.73	5.0E-03	0.00	79.0	0.14	9	71.3	0.0	71.3	4.6	42	57.6	1.0	0.00	0.0	17.4
.90	5.0E-03	0.00	74.3	0.13	9	67.4	0.0	67.4	4.9	40	56.0	1.0	0.01	0.0	16.5
06	5.0E-03	0.00	70.2	0.14	9	64.1	0.0	64.1	5.0	40	54.5	1.0	0.01	0.0	15.7
.22	5.0E-03	0.00	68.1	0.24	9	62.5	0.0	62.5	5.0	40	53.8	1.0	-0.03	0.0	15.3
17.39	5.0E-03	0.00	63.8	0.49	9	58.9	0.0	58.9	5.0	40	52.1	1.0	-0.09	0.0	14.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	58.9	0.88	9	54.7	18.9	73.7	14.6	40	50.0	1.0	-0.13	3.4	21.3
17.72	5.0E-04	0.00	58.4	0.84	9	54.5	18.2	72.8	14.4	40	49.9	1.0	-0.12	3.3	21.1
17.88	5.0E-04	0.00	55.7	0.97	7	52.3	21.6	73.9	16.0	40	48.7	1.0	-0.13	3.8	20.9
18.04	5.0E-04	0.00	52.3	0.90	7	49.3	20.7	70.1	16.1	38	47.0	1.0	-0.12	3.7	19.7
18.21	5.0E-04	0.00	48.6	0.98	7	46.2	23.2	69.4	17.5	38	45.1	1.0	-0.12	4.0	19.1
18.37	5.0E-04	0.00	50.0	1.08	7	47.6	25.3	72.9	18.0	38	46.0	1.0	-0.13	4.3	19.8
18.54	5.0E-04	0.00	55.7	0.84	9	53.3	19.1	72.4	14.9	40	49.2	1.0	-0.12	3.4	20.8
18.70	5.0E-03	0.00	64.4	0.32	9	61.7	0.0	61.7	5.0	40	53.4	1.0	-0.05	0.0	15.1
18.86	5.0E-03	0.00	67.2	0.32	9	64.5	0.0	64.5	5.0	40	54.7	1.0	-0.06	0.0	15.8
19.03	5.0E-03	0.00	55.1	0.62	9	53.4	14.5	67.9	13.0	40	49.3	1.0	-0.09	2.0	15.1
19.19	5.0E-04	0.00	50.1	0.80	7	48.8	19.5	68.3	15.7	38	46.7	1.0	-0.10	3.5	19.4
19.36	5.0E-03	0.00	56.9	0.81	9	55.6	18.6	74.1	14.4	40	50.4	1.0	-0.12	2.5	16.1
19.52	5.0E-04	0.00	57.3	1.01	7	56.2	23.2	79.4	15.9	40	50.8	1.0	-0.14	4.1	22.4
19.68	5.0E-03	0.00	51.9	0.57	9	51.2	14.3	65.5	13.2	38	48.1	1.0	-0.08	2.0	14.5
19.85	5.0E-03	0.00	49.6	0.51	9	49.2	13.4	62.6	13.0	38	46.9	1.0	-0.07	1.9	13.9
20.01	5.0E-04	0.00	49.4	0.69	9	49.2	17.7	66.8	14.9	38	46.9	1.0	-0.09	3.2	19.2
20.18	5.0E-03	0.00	52.8	0.59	9	52.7	14.7	67.4	13.2	40	48.9	1.0	-0.08	2.0	14.9
20.34	5.0E-03	0.00	50.3	0.61	9	50.5	15.7	66.2	13.9	38	47.7	1.0	-0.08	2.2	14.5
20.51	5.0E-04	0.00	46.3	0.79	7	46.7	20.6	67.3	16.5	38	45.5	1.0	-0.09	3.6	18.8
20.67	5.0E-04	0.00	40.7	0.86	7	41.3	23.8	65.1	18.7	38	42.0	1.0	-0.09	4.0	17.5
20.83	5.0E-05	0.00	34.0	1.65	7	34.8	49.5	84.3	27.0	36	37.1	6.0	-0.13	7.9	21.5
21.00	5.0E-05	0.00	30.6	2.26	6	31.6	83.5	115.1	32.2	36	34.2	6.0	-0.15	10.3	22.6
21.16	5.0E-05	0.01	27.2	2.00	6	28.3	78.3	106.7	32.5	36	31.1	6.0	-0.12	9.4	20.5
21.33	5.0E-05	0.01	24.1	1.61	7	25.3	64.9	90.3	31.9	34	30.0	6.0	-0.09	8.1	18.0
21.49	5.0E-05	0.02	24.3	1.24	7	25.5	46.1	71.7	29.1	34	30.0	6.0	-0.07	6.7	16.7
21.65	5.0E-05	0.02	24.9	1.16	7	26.3	42.0	68.3	28.0	34	30.0	6.0	-0.07	6.4	16.7
21.82	5.0E-05	0.02	25.1	1.18	7	26.6	42.8	69.4	28.1	34	30.0	6.0	-0.07	6.5	16.9
21.98	5.0E-04	0.02	26.2	1.19	7	27.8	42.0	69.8	27.5	34	30.6	1.0	-0.07	5.5	14.5
22.15	5.0E-05	0.03	22.4	2.40	6	24.0	96.0	119.9	38.2	34	30.0	6.0	-0.12	9.4	18.8
22.31	5.0E-05	0.03	19.5	2.41	6	21.1	84.5	105.6	40.7	32	30.0	6.0	-0.10	8.3	16.5
22.47	5.0E-05	0.00	26.4	1.64	7	28.3	62.0	90.3	30.7	34	31.1	6.0	-0.10	8.3	19.4
22.64	5.0E-05	0.00	23.5	1.67	6	25.4	73.9	99.3	32.9	34	30.0	6.0	-0.09	8.7	18.6
22.80	5.0E-05	0.01	23.1	1.61	7	25.1	71.5	96.6	32.7	34	30.0	6.0	-0.09	8.5	18.3
22.97	5.0E-05	0.01	23.2	1.44	7	25.3	60.1	85.4	31.3	34	30.0	6.0	-0.08	7.8	17.7
23.13	5.0E-05	0.01	23.7	1.51	7	25.9	63.3	89.2	31.6	34	30.0	6.0	-0.08	8.1	18.2
23.29	5.0E-05	0.01	25.6	1.56	7	28.0	60.7	88.8	30.6	34	30.8	6.0	-0.09	8.2	19.2
23.46	5.0E-05	0.01	25.3	1.64	7	27.7	66.3	94.0	31.4	34	30.5	6.0	-0.10	8.6	19.4
23.62	5.0E-04	0.01	28.0	1.13	7	30.8	39.2	70.0	26.0	36	33.5	1.0	-0.08	5.4	15.4
23.79	5.0E-03	0.00	41.1	0.43	9	44.8	0.0	44.8	5.0	38	44.2	1.0	-0.04	0.0	11.0
23.95	5.0E-03	0.00	45.7	0.39	9	49.9	0.0	49.9	5.0	38	47.3	1.0	-0.04	0.0	12.2
24.11	5.0E-04	0.00	45.0	0.93	7	49.3	26.3	75.6	18.0	38	47.0	1.0	-0.11	4.5	20.6
24.28	5.0E-04	0.00	41.0	1.80	7	45.2	53.4	98.6	25.3	38	44.5	1.0	-0.16	7.6	22.3
24.44	5.0E-05	0.00	34.4	2.71	6	38.2	108.0	146.2	32.7	36	39.7	6.0	-0.19	12.8	27.8
24.61	5.0E-05	0.00	35.3	2.65	6	39.3	101.3	140.6	32.0	38	40.5	6.0	-0.19	12.6	28.0
24.77	5.0E-05	0.00	32.9	2.31	6	36.8	86.9	123.6	31.3	36	38.6	6.0	-0.16	11.3	25.7
24.93	5.0E-04	0.00	36.0	1.60	7	40.3	50.3	90.6	25.8	38	41.2	1.0	-0.13	7.0	20.1
25.10	5.0E-03	0.00	45.1	0.79	7	50.3	23.0	73.4	16.8	38	47.6	1.0	-0.09	3.0	15.3
25.26	5.0E-03	0.00	45.4	0.55	9	50.9	16.9	67.8	14.3	38	47.9	1.0	-0.06	2.3	14.8
25.43	5.0E-03	0.00	44.0	0.67	7	49.5	20.4	69.9	15.9	38	47.1	1.0	-0.08	2.7	14.8
25.59	5.0E-04	0.00	45.1	0.93	7	50.9	27.0	77.8	18.0	38	47.9	1.0	-0.11	4.6	21.2
25.75	5.0E-03	0.00	57.0	1.20	7	64.2	31.6	95.8	17.4	40	54.6	1.0	-0.15	4.1	19.8
25.92	5.0E-04	0.00	58.7	1.33	7	66.3	34.9	101.2	17.9	40	55.5	1.0	-0.16	5.9	27.6
26.08	5.0E-02	0.00	108.1	0.74	9	121.5	11.4	132.9	8.2	42	72.9	1.0	-0.17	1.3	25.1
26.25	5.0E+00	0.00	157.2	0.01	10	176.8	0.0	176.8	2.8	44	83.6	1.0	0.16	0.0	28.8
26.41	5.0E+00	0.00	161.2	0.01	10	182.1	0.0	182.1	2.8	44	84.4	1.0	0.16	0.0	29.7

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5298
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-37
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 11:36
CPT File: 315CP37.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	4.7	0.02	0.42	0.1	1	74.5	0.01	0.01	0.00	2.00	2.3	4.5	0.38	0.00
0.33	15.5	0.03	0.19	-0.1	6	98.7	0.01	0.01	0.00	2.00	5.9	11.9	1.24	0.00
0.49	22.0	0.03	0.14	-0.2	7	98.7	0.02	0.02	0.00	2.00	7.0	14.0	UnDef	0.09
0.66	21.0	0.02	0.10	-0.1	7	98.7	0.03	0.03	0.00	2.00	6.7	13.4	UnDef	0.09
0.82	19.7	0.02	0.10	0.0	7	98.7	0.04	0.04	0.00	2.00	6.3	12.6	UnDef	0.09
0.98	18.1	0.02	0.11	0.1	7	98.7	0.05	0.05	0.00	2.00	5.8	11.5	UnDef	0.08
1.15	15.5	0.02	0.13	-0.1	6	98.7	0.05	0.05	0.00	2.00	5.9	11.8	1.23	0.00
31	14.1	0.02	0.14	-0.2	6	98.7	0.06	0.06	0.00	2.00	5.4	10.8	1.12	0.00
.48	14.7	0.02	0.14	-0.2	6	98.7	0.07	0.07	0.00	2.00	5.6	11.3	1.17	0.00
1.64	14.8	0.02	0.14	-0.2	6	98.7	0.08	0.08	0.00	2.00	5.7	11.3	1.17	0.00
1.80	14.6	0.02	0.14	0.2	6	98.7	0.09	0.09	0.00	2.00	5.6	11.2	1.16	0.00
1.97	15.1	0.02	0.13	0.0	6	98.7	0.09	0.09	0.00	2.00	5.8	11.6	1.20	0.00
2.13	14.6	0.02	0.14	-0.1	6	98.7	0.10	0.10	0.00	2.00	5.6	11.2	1.16	0.00
2.30	14.2	0.02	0.14	-0.6	6	98.7	0.11	0.11	0.00	2.00	5.5	10.9	1.13	0.00
2.46	12.8	0.07	0.55	-0.2	6	98.7	0.12	0.12	0.00	2.00	4.9	9.8	1.02	0.00
2.62	11.0	0.03	0.27	0.0	6	98.7	0.13	0.13	0.00	2.00	4.2	8.5	0.87	0.00
2.79	13.9	0.05	0.36	-0.3	6	98.7	0.13	0.13	0.00	2.00	5.3	10.7	1.10	0.00
2.95	19.4	0.15	0.78	-0.2	6	98.7	0.14	0.14	0.00	2.00	7.4	14.8	1.54	0.09
3.12	25.7	0.33	1.29	-0.2	6	98.7	0.15	0.15	0.00	2.00	9.8	19.7	2.04	0.09
3.28	42.9	0.72	1.68	-0.4	7	98.7	0.16	0.16	0.00	2.00	13.7	27.4	UnDef	0.14
3.44	57.4	1.25	2.18	-0.1	6	98.7	0.17	0.17	0.00	2.00	22.0	44.0	4.58	0.00
3.61	47.2	1.65	3.50	-0.1	5	85.3	0.17	0.17	0.00	2.00	22.6	45.2	3.76	0.00
3.77	36.3	1.68	4.63	-2.2	4	79.6	0.18	0.18	0.00	2.00	23.2	46.4	2.89	0.00
3.94	33.5	1.42	4.25	-1.7	4	79.6	0.19	0.19	0.00	2.00	21.4	42.7	2.66	0.00
4.10	33.5	1.35	4.04	-6.8	4	79.6	0.19	0.19	0.00	2.00	21.4	42.8	2.67	0.00
4.27	30.2	0.39	1.29	-4.3	6	98.7	0.20	0.20	0.00	2.00	11.6	23.1	2.40	0.11
4.43	26.1	0.33	1.27	-0.5	6	98.7	0.21	0.21	0.00	2.00	10.0	20.0	2.07	0.10
4.59	42.5	0.23	0.54	0.4	7	98.7	0.22	0.22	0.00	2.00	13.6	27.1	UnDef	0.13
4.76	31.9	0.23	0.72	1.1	7	98.7	0.23	0.23	0.00	2.00	10.2	20.4	UnDef	0.10
4.92	23.8	0.33	1.39	1.0	6	98.7	0.23	0.23	0.00	2.00	9.1	18.2	1.88	0.10
5.09	19.2	0.23	1.20	1.0	6	98.7	0.24	0.24	0.00	2.00	7.3	14.7	1.51	0.09
5.25	17.6	0.26	1.48	1.1	6	98.7	0.25	0.25	0.00	2.00	6.7	13.5	1.39	0.09
5.41	16.7	0.18	1.08	0.9	6	98.7	0.26	0.26	0.00	1.97	6.4	12.6	1.31	0.09
5.58	16.1	0.17	1.06	1.2	6	98.7	0.27	0.27	0.00	1.94	6.2	12.0	1.27	0.09
5.74	16.7	0.17	1.02	1.0	6	98.7	0.27	0.27	0.00	1.91	6.4	12.2	1.31	0.09
5.91	17.8	0.20	1.12	1.1	6	98.7	0.28	0.28	0.00	1.88	6.8	12.8	1.40	0.09
6.07	19.0	0.26	1.37	1.0	6	98.7	0.29	0.29	0.00	1.86	7.3	13.5	1.50	0.09
6.23	20.1	0.35	1.75	1.1	6	98.7	0.30	0.30	0.00	1.83	7.7	14.1	1.58	0.10
.40	19.4	0.45	2.33	0.9	5	85.3	0.31	0.31	0.00	1.81	9.3	16.8	1.52	0.11
56	20.4	0.44	2.16	1.1	6	98.7	0.31	0.31	0.00	1.79	7.8	14.0	1.61	0.11
.73	21.0	0.39	1.86	1.1	6	98.7	0.32	0.32	0.00	1.76	8.1	14.2	1.66	0.10
6.89	21.8	0.41	1.88	1.0	6	98.7	0.33	0.33	0.00	1.74	8.4	14.6	1.72	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.8	0.40	2.02	1.1	6	98.7	0.34	0.34	0.00	1.72	7.6	13.1	1.56	0.10
7.22	19.1	0.43	2.26	1.0	5	85.3	0.35	0.35	0.00	1.70	9.1	15.6	1.50	0.11
7.38	19.2	0.45	2.35	1.0	5	85.3	0.35	0.35	0.00	1.68	9.2	15.5	1.51	0.11
7.55	19.0	0.48	2.53	2.3	5	85.3	0.36	0.36	0.00	1.67	9.1	15.2	1.49	0.11
7.71	18.6	0.86	4.63	7.9	3	74.5	0.37	0.37	0.00	1.65	17.8	29.5	1.46	0.40
7.87	20.0	0.60	3.01	10.3	5	85.3	0.37	0.37	0.00	1.64	9.6	15.7	1.57	0.14
8.04	24.1	0.63	2.62	3.3	5	85.3	0.38	0.38	0.00	1.62	11.5	18.7	1.90	0.13
8.20	16.4	0.53	3.25	2.7	4	79.6	0.39	0.39	0.00	1.61	10.4	16.8	1.28	0.17
8.37	17.1	0.50	2.92	3.9	5	85.3	0.39	0.39	0.00	1.59	8.2	13.1	1.34	0.14
8.53	16.8	0.43	2.56	5.2	5	85.3	0.40	0.40	0.00	1.58	8.1	12.7	1.31	0.12
8.69	18.4	0.42	2.29	6.4	5	85.3	0.41	0.41	0.00	1.57	8.8	13.8	1.44	0.11
8.86	17.8	0.45	2.53	7.5	5	85.3	0.41	0.41	0.00	1.55	8.5	13.2	1.39	0.12
9.02	19.5	0.47	2.41	8.3	5	85.3	0.42	0.42	0.00	1.54	9.3	14.4	1.53	0.12
9.19	21.1	0.50	2.37	9.1	6	98.7	0.43	0.43	0.00	1.53	8.1	12.4	1.66	0.12
9.35	19.7	0.52	2.64	9.8	5	85.3	0.44	0.44	0.00	1.51	9.4	14.3	1.54	0.13
9.51	20.5	0.49	2.40	10.9	5	85.3	0.44	0.44	0.00	1.50	9.8	14.7	1.60	0.12
9.68	16.3	0.46	2.82	12.5	5	85.3	0.45	0.45	0.00	1.49	7.8	11.7	1.27	0.16
9.84	14.6	0.43	2.96	14.5	5	85.3	0.46	0.46	0.00	1.48	7.0	10.3	1.13	0.19
10.01	14.9	0.37	2.49	15.1	5	85.3	0.46	0.46	0.00	1.47	7.1	10.5	1.15	0.15
10.17	15.0	0.35	2.35	14.2	5	85.3	0.47	0.47	0.00	1.46	7.2	10.4	1.16	0.14
10.33	16.5	0.33	2.01	10.1	5	85.3	0.48	0.48	0.00	1.45	7.9	11.4	1.28	0.11
10.50	16.1	0.36	2.24	12.9	5	85.3	0.49	0.49	0.00	1.44	7.7	11.1	1.25	0.13
10.66	16.5	0.36	2.19	13.8	5	85.3	0.49	0.49	0.00	1.43	7.9	11.3	1.28	0.12
10.83	16.0	0.60	3.75	16.1	4	79.6	0.50	0.50	0.00	1.42	10.2	14.5	1.24	0.21
10.99	15.7	0.67	4.27	16.9	3	74.5	0.51	0.51	0.00	1.41	15.1	21.2	1.22	0.20
11.15	23.7	0.71	3.00	7.8	5	85.3	0.51	0.51	0.00	1.40	11.4	15.9	1.86	0.17
11.32	20.9	0.68	3.26	9.7	5	85.3	0.52	0.52	0.00	1.39	10.0	13.9	1.63	0.23
11.48	20.8	0.64	3.09	11.4	5	85.3	0.53	0.53	0.00	1.38	9.9	13.7	1.62	0.21
11.65	22.6	0.50	2.22	15.1	6	98.7	0.53	0.53	0.00	1.37	8.6	11.8	1.76	0.12
.81	19.4	0.43	2.23	15.7	6	98.7	0.54	0.54	0.00	1.36	7.4	10.1	1.51	0.13
.97	26.0	0.41	1.58	16.4	6	98.7	0.55	0.55	0.00	1.35	10.0	13.4	2.04	0.11
12.14	26.9	0.27	1.01	4.9	7	98.7	0.56	0.56	0.00	1.34	8.6	11.5	UnDef	0.10
12.30	29.3	0.18	0.62	4.0	7	98.7	0.57	0.57	0.00	1.33	9.3	12.4	UnDef	0.09
12.47	36.5	0.10	0.27	1.9	7	98.7	0.57	0.57	0.00	1.32	11.6	15.4	UnDef	0.09
12.63	37.6	0.10	0.27	1.9	7	98.7	0.58	0.58	0.00	1.31	12.0	15.7	UnDef	0.09
12.80	34.8	0.09	0.26	1.5	7	98.7	0.59	0.59	0.00	1.30	11.1	14.4	UnDef	0.09
12.96	32.3	0.18	0.56	1.1	7	98.7	0.60	0.60	0.00	1.29	10.3	13.3	UnDef	0.09
13.12	30.3	0.15	0.50	1.0	7	98.7	0.61	0.61	0.00	1.28	9.7	12.4	UnDef	0.09
13.29	28.5	0.24	0.84	1.0	7	98.7	0.61	0.61	0.00	1.28	9.1	11.6	UnDef	0.09
13.45	27.5	0.33	1.20	1.1	6	98.7	0.62	0.62	0.00	1.27	10.5	13.3	2.15	0.10
13.62	19.6	0.27	1.38	2.7	6	98.7	0.63	0.63	0.00	1.26	7.5	9.4	1.51	0.10
13.78	16.4	0.20	1.22	4.4	6	98.7	0.64	0.64	0.00	1.25	6.3	7.9	1.26	0.10
13.94	19.3	0.12	0.62	5.0	6	98.7	0.65	0.65	0.00	1.24	7.4	9.2	1.49	0.09
14.11	36.7	0.10	0.27	4.0	7	98.7	0.65	0.65	0.00	1.24	11.7	14.5	UnDef	0.09
14.27	36.7	0.33	0.90	1.8	7	98.7	0.66	0.66	0.00	1.23	11.7	14.4	UnDef	0.10
14.44	27.7	0.34	1.23	0.2	6	98.7	0.67	0.67	0.00	1.22	10.6	13.0	2.16	0.10
14.60	20.6	0.47	2.29	2.3	6	98.7	0.68	0.68	0.00	1.21	7.9	9.6	1.59	0.18
14.76	22.4	0.37	1.66	3.5	6	98.7	0.69	0.69	0.00	1.21	8.6	10.3	1.73	0.11
14.93	33.6	0.22	0.66	5.0	7	98.7	0.70	0.70	0.00	1.20	10.7	12.9	UnDef	0.09
15.09	61.0	0.15	0.25	5.1	8	101.8	0.70	0.70	0.00	1.19	14.6	17.4	UnDef	0.11
15.26	80.5	0.32	0.40	0.7	8	101.8	0.71	0.71	0.00	1.19	19.3	22.8	UnDef	0.16
15.42	87.3	0.41	0.47	1.0	8	101.8	0.72	0.72	0.00	1.18	20.9	24.6	UnDef	0.17
15.58	92.6	0.57	0.62	1.5	8	101.8	0.73	0.73	0.00	1.17	22.2	26.0	UnDef	0.20
15.75	108.5	0.65	0.60	1.3	9	101.8	0.74	0.74	0.00	1.16	20.8	24.2	UnDef	0.26
15.91	111.7	0.61	0.55	1.1	9	101.8	0.75	0.75	0.00	1.16	21.4	24.8	UnDef	0.27
16.08	123.5	0.61	0.50	1.2	9	101.8	0.75	0.75	0.00	1.15	23.7	27.2	UnDef	0.33
16.24	132.0	0.66	0.50	1.2	9	101.8	0.76	0.76	0.00	1.15	25.3	29.0	UnDef	0.38
16.40	138.8	0.73	0.53	1.2	9	101.8	0.77	0.77	0.00	1.14	26.6	30.3	UnDef	0.42
16.57	145.2	0.72	0.50	1.2	9	101.8	0.78	0.78	0.00	1.13	27.8	31.5	UnDef	0.00
16.73	136.2	0.67	0.49	1.2	9	101.8	0.79	0.79	0.00	1.13	26.1	29.4	UnDef	0.40
16.90	118.7	0.64	0.54	1.1	9	101.8	0.80	0.80	0.00	1.12	22.7	25.5	UnDef	0.29
06	102.1	0.48	0.47	1.0	9	101.8	0.80	0.80	0.00	1.12	19.6	21.8	UnDef	0.21
.22	90.8	0.41	0.45	0.9	8	101.8	0.81	0.81	0.00	1.11	21.7	24.1	UnDef	0.17
17.39	86.4	0.34	0.39	1.0	8	101.8	0.82	0.82	0.00	1.10	20.7	22.8	UnDef	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	87.3	0.49	0.56	0.6	8	101.8	0.83	0.83	0.00	1.10	20.9	23.0	UnDef	0.17
17.72	83.9	0.77	0.92	-0.6	8	101.8	0.84	0.84	0.00	1.09	20.1	22.0	UnDef	0.19
17.88	69.0	0.84	1.22	1.1	7	98.7	0.85	0.85	0.00	1.09	22.0	24.0	UnDef	0.16
18.04	59.2	0.96	1.63	1.9	7	98.7	0.85	0.85	0.00	1.08	18.9	20.4	UnDef	0.16
18.21	39.3	0.81	2.07	0.9	6	98.7	0.86	0.86	0.00	1.08	15.1	16.2	3.07	0.16
18.37	28.6	0.67	2.35	1.9	6	98.7	0.87	0.87	0.00	1.07	10.9	11.7	2.22	0.21
18.54	32.0	0.74	2.32	2.7	6	98.7	0.88	0.88	0.00	1.07	12.3	13.1	2.49	0.19
18.70	37.7	0.71	1.89	2.3	6	98.7	0.89	0.89	0.00	1.06	14.4	15.3	2.95	0.14
18.86	30.9	0.70	2.27	2.2	6	98.7	0.89	0.89	0.00	1.06	11.8	12.5	2.40	0.19
19.03	26.8	0.65	2.43	2.9	6	98.7	0.90	0.90	0.00	1.05	10.3	10.8	2.07	0.29
19.19	27.8	0.64	2.31	3.3	6	98.7	0.91	0.91	0.00	1.05	10.7	11.2	2.15	0.23
19.36	31.4	0.68	2.17	3.5	6	98.7	0.92	0.92	0.00	1.04	12.0	12.6	2.44	0.18
19.52	28.9	0.63	2.19	3.2	6	98.7	0.93	0.93	0.00	1.04	11.1	11.5	2.24	0.20
19.68	23.7	0.56	2.37	4.1	6	98.7	0.93	0.93	0.00	1.03	9.1	9.4	1.82	0.24
19.85	25.1	0.52	2.07	4.7	6	98.7	0.94	0.94	0.00	1.03	9.6	9.9	1.93	0.23
20.01	25.4	0.54	2.13	4.9	6	98.7	0.95	0.95	0.00	1.03	9.7	10.0	1.96	0.25
20.18	31.7	0.61	1.93	5.5	6	98.7	0.96	0.96	0.00	1.02	12.1	12.4	2.46	0.16
20.34	33.0	0.61	1.85	5.1	6	98.7	0.97	0.97	0.00	1.02	12.6	12.9	2.56	0.15
20.51	35.8	0.54	1.51	5.5	7	98.7	0.97	0.97	0.00	1.01	11.4	11.6	UnDef	0.13
20.67	39.6	0.61	1.54	6.5	7	98.7	0.98	0.98	0.00	1.01	12.7	12.8	UnDef	0.13
20.83	39.8	0.45	1.13	4.5	7	98.7	0.99	0.99	0.00	1.00	12.7	12.7	UnDef	0.11
21.00	41.0	0.60	1.47	0.9	7	98.7	1.00	1.00	0.00	1.00	13.1	13.1	UnDef	0.13
21.16	40.2	0.72	1.80	1.8	6	98.7	1.01	1.01	0.00	1.00	15.4	15.3	3.13	0.15
21.33	41.6	0.73	1.76	2.8	7	98.7	1.02	1.02	0.00	0.99	13.3	13.2	UnDef	0.15
21.49	40.8	0.60	1.47	4.0	7	98.7	1.02	1.02	0.00	0.99	13.0	12.9	UnDef	0.13
21.65	40.8	0.67	1.64	4.9	7	98.7	1.03	1.03	0.00	0.98	13.0	12.8	UnDef	0.14
21.82	39.0	0.59	1.52	2.7	7	98.7	1.04	1.04	0.00	0.98	12.4	12.2	UnDef	0.13
21.98	43.3	0.53	1.23	3.7	7	98.7	1.05	1.05	0.00	0.98	13.8	13.5	UnDef	0.12
22.15	47.8	0.53	1.11	3.8	7	98.7	1.06	1.06	0.00	0.97	15.3	14.9	UnDef	0.12
.31	42.5	0.66	1.56	2.0	7	98.7	1.06	1.06	0.00	0.97	13.6	13.2	UnDef	0.14
.47	32.9	0.69	2.10	1.9	6	98.7	1.07	1.07	0.00	0.97	12.6	12.2	2.55	0.21
22.64	30.0	0.62	2.07	3.4	6	98.7	1.08	1.08	0.00	0.96	11.5	11.1	2.31	0.24
22.80	28.0	0.52	1.86	5.0	6	98.7	1.09	1.09	0.00	0.96	10.7	10.3	2.15	0.21
22.97	26.5	0.48	1.81	5.8	6	98.7	1.10	1.10	0.00	0.96	10.2	9.7	2.04	0.23
23.13	25.6	0.50	1.95	7.8	6	98.7	1.10	1.10	0.00	0.95	9.8	9.4	1.96	0.24
23.29	25.5	0.50	1.96	10.4	6	98.7	1.11	1.11	0.00	0.95	9.8	9.3	1.95	0.23
23.46	25.0	0.52	2.08	11.1	6	98.7	1.12	1.12	0.00	0.94	9.6	9.1	1.91	0.22
23.62	22.1	0.47	2.13	12.6	6	98.7	1.13	1.13	0.00	0.94	8.5	8.0	1.68	0.18
23.79	21.0	0.39	1.86	14.1	6	98.7	1.14	1.14	0.00	0.94	8.1	7.6	1.59	0.16
23.95	21.9	0.83	3.80	14.9	4	79.6	1.14	1.14	0.00	0.94	14.0	13.1	1.66	0.00
24.11	20.6	0.84	4.09	16.3	3	74.5	1.15	1.15	0.00	0.93	19.7	18.4	1.55	0.00
24.28	28.5	0.75	2.63	25.5	6	98.7	1.16	1.16	0.00	0.93	10.9	10.2	2.19	0.28
24.44	29.1	0.70	2.41	24.6	6	98.7	1.17	1.17	0.00	0.93	11.2	10.3	2.24	0.29
24.61	22.8	0.56	2.46	14.1	6	98.7	1.17	1.17	0.00	0.92	8.7	8.1	1.73	0.18
24.77	19.8	0.52	2.64	15.8	5	85.3	1.18	1.18	0.00	0.92	9.5	8.7	1.49	0.15
24.93	23.8	0.44	1.86	16.1	6	98.7	1.19	1.19	0.00	0.92	9.1	8.4	1.81	0.19
25.10	23.6	0.41	1.74	11.6	6	98.7	1.20	1.20	0.00	0.91	9.1	8.3	1.79	0.19
25.26	24.3	0.47	1.94	12.9	6	98.7	1.20	1.20	0.00	0.91	9.3	8.5	1.85	0.20
25.43	24.2	0.52	2.15	14.3	6	98.7	1.21	1.21	0.00	0.91	9.3	8.4	1.84	0.20
25.59	26.6	0.59	2.22	13.7	6	98.7	1.22	1.22	0.00	0.91	10.2	9.2	2.03	0.23
25.75	25.8	0.67	2.60	9.1	5	85.3	1.23	1.23	0.00	0.90	12.3	11.1	1.96	0.22
25.92	32.3	0.68	2.11	8.5	6	98.7	1.24	1.24	0.00	0.90	12.4	11.1	2.48	0.35
26.08	26.1	0.64	2.46	5.8	6	98.7	1.24	1.24	0.00	0.90	10.0	9.0	1.99	0.22
26.25	24.1	0.65	2.71	7.2	5	85.3	1.25	1.25	0.00	0.89	11.5	10.3	1.82	0.19
26.41	28.2	0.61	2.17	8.3	6	98.7	1.26	1.26	0.00	0.89	10.8	9.6	2.16	0.25
26.57	23.9	0.62	2.60	6.8	5	85.3	1.27	1.27	0.00	0.89	11.5	10.2	1.81	0.18
26.74	24.8	0.65	2.63	8.0	5	85.3	1.27	1.27	0.00	0.89	11.9	10.5	1.88	0.19
26.90	32.3	0.67	2.08	8.2	6	98.7	1.28	1.28	0.00	0.88	12.4	10.9	2.48	0.33
27.07	38.7	0.85	2.20	7.3	6	98.7	1.29	1.29	0.00	0.88	14.8	13.0	2.99	0.30
27.23	36.9	0.70	1.90	5.7	6	98.7	1.30	1.30	0.00	0.88	14.2	12.4	2.85	0.22
.39	42.1	0.58	1.38	6.3	7	98.7	1.31	1.31	0.00	0.88	13.4	11.8	UnDef	0.14
56	57.5	0.61	1.06	-0.2	7	98.7	1.31	1.31	0.00	0.87	18.4	16.0	UnDef	0.13
.72	56.9	0.96	1.69	-0.6	7	98.7	1.32	1.32	0.00	0.87	18.2	15.8	UnDef	0.18
27.89	50.3	1.05	2.09	0.0	6	98.7	1.33	1.33	0.00	0.87	19.3	16.7	3.92	0.23

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	52.6	1.01	1.93	1.5	7	98.7	1.34	1.34	0.00	0.86	16.8	14.5	UnDef	0.20
28.21	61.3	1.12	1.83	0.3	7	98.7	1.35	1.35	0.00	0.86	19.6	16.9	UnDef	0.20
28.38	50.9	1.06	2.09	0.2	6	98.7	1.35	1.35	0.00	0.86	19.5	16.7	3.96	0.23
28.54	55.3	1.04	1.89	1.9	7	98.7	1.36	1.36	0.00	0.86	17.6	15.1	UnDef	0.20
28.71	52.9	1.08	2.05	0.7	7	98.7	1.37	1.37	0.00	0.85	16.9	14.4	UnDef	0.23
28.87	47.4	1.17	2.47	1.2	6	98.7	1.38	1.38	0.00	0.85	18.2	15.5	3.68	0.37
29.04	47.5	1.19	2.51	2.5	6	98.7	1.39	1.39	0.00	0.85	18.2	15.5	3.69	0.39
29.20	40.7	1.25	3.08	2.5	5	85.3	1.39	1.39	0.00	0.85	19.5	16.5	3.14	0.00
29.36	44.4	1.10	2.49	2.8	6	98.7	1.40	1.40	0.00	0.84	17.0	14.4	3.44	0.45
29.53	77.3	0.96	1.24	4.6	8	101.8	1.41	1.41	0.00	0.84	18.5	15.6	UnDef	0.17
29.69	103.5	0.93	0.90	2.5	8	101.8	1.42	1.42	0.00	0.84	24.8	20.8	UnDef	0.20
29.86	130.3	1.22	0.94	1.2	8	101.8	1.43	1.43	0.00	0.84	31.2	26.1	UnDef	0.27
30.02	128.7	1.37	1.07	0.8	8	101.8	1.44	1.44	0.00	0.83	30.8	25.7	UnDef	0.28
30.18	141.8	1.55	1.10	0.4	8	101.8	1.44	1.44	0.00	0.83	33.9	28.3	UnDef	0.34
30.35	182.6	1.70	0.93	0.2	9	101.8	1.45	1.45	0.00	0.83	35.0	29.0	UnDef	0.00
30.51	191.5	1.66	0.87	-0.1	9	101.8	1.46	1.46	0.00	0.83	36.7	30.3	UnDef	0.00
30.68	182.6	0.02	0.01	-0.2	9	101.8	1.47	1.47	0.00	0.83	35.0	28.9	UnDef	0.38
30.84	191.3	0.02	0.01	-0.2	10	127.3	1.48	1.48	0.00	0.82	30.5	25.1	UnDef	0.42

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5298
'ob No: 99-315
ient: Stone & Webster Engineering
oject: Private Fuel Storage Faclity
Site: CPT-37
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 11:36
CPT File: 315CP37.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	773.7	0.42	10	9.1	0.0	9.1	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.5
0.33	5.0E-05	0.00	1000.0	0.19	10	29.7	0.0	29.7	0.0	50	75.3	10.0	-0.25	0.0	11.9
0.49	5.0E-04	0.00	1000.0	0.14	10	42.1	0.0	42.1	0.0	50	78.4	1.0	-0.22	0.0	14.0
0.66	5.0E-04	0.00	711.7	0.10	10	40.1	0.0	40.1	0.0	50	72.4	1.0	-0.16	0.0	13.4
0.82	5.0E-04	0.00	525.5	0.10	10	37.8	0.0	37.8	0.0	48	67.2	1.0	-0.14	0.0	12.6
0.98	5.0E-04	0.00	395.6	0.11	10	34.6	0.0	34.6	0.0	48	61.9	1.0	-0.12	0.0	11.5
1.15	5.0E-05	0.00	287.0	0.13	10	29.6	0.0	29.6	0.0	46	55.1	10.0	-0.11	0.0	11.8
1.31	5.0E-05	0.00	226.5	0.14	10	26.9	0.0	26.9	0.0	46	50.3	10.0	-0.09	0.0	10.8
48	5.0E-05	0.00	209.4	0.14	10	28.1	0.0	28.1	0.0	46	49.8	10.0	-0.08	0.0	11.3
.64	5.0E-05	0.00	188.3	0.14	10	28.3	0.0	28.3	0.0	44	48.4	10.0	-0.07	0.0	11.3
1.80	5.0E-05	0.00	169.0	0.14	10	28.0	0.0	28.0	0.3	44	46.7	10.0	-0.07	0.0	11.2
1.97	5.0E-05	0.00	159.8	0.13	9	29.0	0.0	29.0	0.5	44	46.4	10.0	-0.06	0.0	11.6
2.13	5.0E-05	0.00	142.1	0.14	9	28.0	0.0	28.0	1.1	44	44.2	10.0	-0.05	0.0	11.2
2.30	5.0E-05	0.00	128.1	0.14	9	27.3	0.0	27.3	1.7	44	42.4	10.0	-0.05	0.0	10.9
2.46	5.0E-05	0.00	107.4	0.55	9	24.6	1.2	25.8	6.7	42	38.4	10.0	-0.14	0.3	10.1
2.62	5.0E-05	0.00	86.3	0.28	9	21.2	0.0	21.2	5.0	42	33.1	10.0	-0.07	0.0	8.5
2.79	5.0E-05	0.00	102.4	0.36	9	26.7	0.0	26.7	5.0	42	38.9	10.0	-0.10	0.0	10.7
2.95	5.0E-05	0.00	134.7	0.78	9	37.1	2.0	39.1	6.9	44	47.5	10.0	-0.19	0.5	15.3
3.12	5.0E-05	0.00	169.3	1.30	9	49.2	5.2	54.4	8.6	44	54.8	10.0	-0.26	1.3	20.9
3.28	5.0E-04	0.00	269.2	1.69	9	82.2	6.5	88.7	7.7	46	68.8	1.0	-0.34	1.3	28.7
3.44	5.0E-05	0.00	342.6	2.19	12	109.9	UnDef	UnDef	0.0	48	76.4	10.0	-0.41	UnDef	UnDef
3.61	5.0E-06	0.00	269.5	3.52	12	90.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.77	5.0E-07	0.00	199.5	4.66	11	69.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.94	5.0E-07	0.00	177.2	4.28	12	64.1	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
4.10	5.0E-07	-0.01	171.4	4.06	12	64.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
4.27	5.0E-05	0.00	148.7	1.30	9	57.8	7.9	65.7	9.5	44	55.3	10.0	-0.25	1.9	25.0
4.43	5.0E-05	0.00	123.3	1.28	9	49.9	9.0	58.9	10.7	42	50.5	10.0	-0.23	2.1	22.1
4.59	5.0E-04	0.00	194.0	0.55	9	81.4	0.0	81.4	3.1	44	64.0	1.0	-0.19	0.0	27.1
4.76	5.0E-04	0.00	140.1	0.73	9	61.1	2.2	63.3	6.3	44	55.2	1.0	-0.19	0.5	20.8
4.92	5.0E-05	0.00	100.6	1.41	9	45.5	12.6	58.1	13.1	42	46.3	10.0	-0.22	2.9	21.1
5.09	5.0E-05	0.00	78.2	1.22	9	36.7	12.1	48.8	14.3	42	39.6	10.0	-0.18	2.7	17.4
5.25	5.0E-05	0.00	69.2	1.51	7	33.6	16.4	50.0	17.3	40	36.7	10.0	-0.19	3.5	16.9
5.41	5.0E-05	0.00	63.6	1.10	7	31.9	12.5	44.4	15.5	40	34.7	10.0	-0.15	2.7	15.2
5.58	5.0E-05	0.00	59.5	1.08	7	30.5	12.8	43.3	16.0	40	33.3	10.0	-0.14	2.7	14.7
5.74	5.0E-05	0.00	59.8	1.04	7	31.1	12.5	43.6	15.7	40	33.8	10.0	-0.14	2.7	14.9
5.91	5.0E-05	0.00	62.1	1.14	7	32.8	13.8	46.6	16.1	40	35.3	10.0	-0.15	2.9	15.8
6.07	5.0E-05	0.00	64.3	1.39	7	34.5	17.0	51.4	17.4	40	36.7	10.0	-0.18	3.5	17.0
6.23	5.0E-05	0.00	66.2	1.78	7	35.9	22.2	58.1	19.3	40	37.9	10.0	-0.20	4.4	18.5
6.40	5.0E-06	0.00	62.2	2.37	7	34.2	31.7	66.0	23.0	UnDef	UnDef	10.0	UnDef	7.2	24.0
6.56	5.0E-05	0.00	64.1	2.19	7	35.7	29.1	64.8	21.8	40	37.8	10.0	-0.23	5.5	19.4
73	5.0E-05	0.00	64.3	1.89	7	36.3	24.8	61.1	20.2	40	38.2	10.0	-0.21	4.8	19.0
.89	5.0E-05	0.00	65.2	1.91	7	37.2	25.4	62.6	20.2	40	38.9	10.0	-0.21	4.9	19.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	57.6	2.06	7	33.3	28.9	62.3	22.4	40	35.8	10.0	-0.21	5.3	18.4
7.22	5.0E-06	0.00	54.3	2.30	7	31.8	33.9	65.7	24.3	UnDef	UnDef	10.0	UnDef	7.4	23.0
7.38	5.0E-06	0.00	53.5	2.39	7	31.7	36.1	67.8	25.0	UnDef	UnDef	10.0	UnDef	7.8	23.3
7.55	5.0E-06	0.00	52.0	2.57	7	31.1	40.6	71.7	26.2	UnDef	UnDef	10.0	UnDef	8.3	23.6
7.71	5.0E-08	0.01	49.9	4.72	6	30.1	120.5	150.6	35.1	UnDef	UnDef	6.0	UnDef	29.5	58.9
7.87	5.0E-06	0.02	52.6	3.07	6	32.0	52.3	84.4	28.2	UnDef	UnDef	10.0	UnDef	9.9	25.6
8.04	5.0E-06	0.00	62.4	2.66	7	38.3	40.8	79.1	24.3	UnDef	UnDef	10.0	UnDef	8.9	27.6
8.20	5.0E-07	0.01	41.3	3.33	6	25.8	72.9	98.6	32.7	UnDef	UnDef	6.0	UnDef	14.4	31.2
8.37	5.0E-06	0.01	42.6	2.99	6	26.7	59.4	86.1	30.8	UnDef	UnDef	6.0	UnDef	9.9	23.0
8.53	5.0E-06	0.01	41.0	2.62	6	26.0	50.1	76.2	29.7	UnDef	UnDef	6.0	UnDef	8.9	21.6
8.69	5.0E-06	0.01	44.2	2.34	7	28.3	41.1	69.3	27.2	UnDef	UnDef	6.0	UnDef	8.1	22.0
8.86	5.0E-06	0.01	42.0	2.59	7	27.1	49.4	76.4	29.2	UnDef	UnDef	6.0	UnDef	9.0	22.2
9.02	5.0E-06	0.01	45.4	2.47	7	29.4	44.3	73.7	27.5	UnDef	UnDef	6.0	UnDef	8.7	23.1
9.19	5.0E-05	0.01	48.3	2.42	7	31.6	42.3	73.9	26.4	38	34.2	6.0	-0.21	6.9	19.3
9.35	5.0E-06	0.02	44.2	2.70	7	29.2	52.0	81.2	29.0	UnDef	UnDef	6.0	UnDef	9.5	23.8
9.51	5.0E-06	0.02	45.2	2.45	7	30.1	45.1	75.2	27.5	UnDef	UnDef	6.0	UnDef	8.8	23.6
9.68	5.0E-06	0.02	35.3	2.90	6	23.8	72.4	96.3	33.2	UnDef	UnDef	6.0	UnDef	10.4	22.0
9.84	5.0E-06	0.03	30.9	3.05	6	21.1	84.4	105.4	36.0	UnDef	UnDef	6.0	UnDef	10.3	20.6
10.01	5.0E-06	0.03	31.1	2.57	6	21.4	68.9	90.3	33.6	UnDef	UnDef	6.0	UnDef	9.6	20.0
10.17	5.0E-06	0.03	30.7	2.42	6	21.3	63.0	84.3	33.0	UnDef	UnDef	6.0	UnDef	9.2	19.6
10.33	5.0E-06	0.02	33.4	2.07	7	23.3	45.4	68.7	29.8	UnDef	UnDef	6.0	UnDef	8.0	19.4
10.50	5.0E-06	0.03	32.2	2.31	6	22.6	55.9	78.6	31.7	UnDef	UnDef	6.0	UnDef	8.9	20.0
10.66	5.0E-06	0.03	32.5	2.26	6	23.0	53.7	76.7	31.2	UnDef	UnDef	6.0	UnDef	8.8	20.0
10.83	5.0E-07	0.03	31.1	3.87	6	22.2	88.9	111.1	39.3	UnDef	UnDef	6.0	UnDef	14.5	29.0
10.99	5.0E-08	0.03	30.1	4.41	6	21.6	86.6	108.2	42.0	UnDef	UnDef	6.0	UnDef	21.2	42.4
11.15	5.0E-06	0.01	45.4	3.06	6	32.5	67.1	99.5	30.2	UnDef	UnDef	6.0	UnDef	11.6	27.5
11.32	5.0E-06	0.01	39.3	3.34	6	28.4	90.0	118.5	33.5	UnDef	UnDef	6.0	UnDef	12.6	26.5
11.48	5.0E-06	0.02	38.5	3.17	6	28.0	84.0	112.1	33.1	UnDef	UnDef	6.0	UnDef	12.1	25.8
11.65	5.0E-05	0.02	41.3	2.28	7	30.2	47.2	77.4	27.8	38	33.0	6.0	-0.18	7.3	19.1
.81	5.0E-05	0.03	34.8	2.29	7	25.8	54.1	79.9	30.4	36	30.0	6.0	-0.16	7.4	17.5
.97	5.0E-05	0.02	46.3	1.61	7	34.3	30.3	64.6	22.6	38	36.6	6.0	-0.16	5.6	19.0
12.14	5.0E-04	0.01	47.3	1.03	7	35.3	19.3	54.6	18.2	38	37.4	1.0	-0.12	3.3	14.8
12.30	5.0E-04	0.00	50.7	0.63	9	38.1	12.0	50.1	14.0	38	39.6	1.0	-0.08	2.2	14.6
12.47	5.0E-04	0.00	62.6	0.28	9	47.1	0.0	47.1	5.0	40	45.7	1.0	-0.04	0.0	15.4
12.63	5.0E-04	0.00	63.5	0.27	9	48.2	0.0	48.2	5.0	40	46.4	1.0	-0.04	0.0	15.7
12.80	5.0E-04	0.00	57.9	0.26	9	44.3	0.0	44.3	5.0	40	43.9	1.0	-0.03	0.0	14.4
12.96	5.0E-04	0.00	53.0	0.57	9	40.9	11.0	51.9	12.9	40	41.7	1.0	-0.08	2.0	15.4
13.12	5.0E-04	0.00	49.1	0.51	9	38.1	10.5	48.6	13.1	38	39.6	1.0	-0.06	1.9	14.4
13.29	5.0E-04	0.00	45.4	0.86	7	35.6	17.5	53.1	17.4	38	37.6	1.0	-0.10	3.0	14.6
13.45	5.0E-05	0.00	43.1	1.23	7	34.1	25.1	59.2	20.9	38	36.4	6.0	-0.13	4.8	18.2
13.62	5.0E-05	0.00	30.0	1.43	7	24.1	35.4	59.5	27.3	36	30.0	6.0	-0.10	5.6	15.0
13.78	5.0E-05	0.01	24.7	1.27	7	20.1	36.0	56.2	29.0	34	30.0	6.0	-0.07	5.3	13.2
13.94	5.0E-05	0.01	28.9	0.64	7	23.5	17.5	41.0	21.0	36	30.0	6.0	-0.04	3.4	12.6
14.11	5.0E-04	0.00	55.1	0.28	9	44.4	0.0	44.4	5.0	40	44.0	1.0	-0.03	0.0	14.5
14.27	5.0E-04	0.00	54.3	0.92	7	44.1	17.9	62.0	15.8	40	43.8	1.0	-0.12	3.2	17.5
14.44	5.0E-05	0.00	40.3	1.26	7	33.1	27.4	60.5	22.0	38	35.6	6.0	-0.12	5.1	18.1
14.60	5.0E-05	0.00	29.3	2.37	6	24.4	77.1	101.6	33.4	36	30.0	6.0	-0.15	8.7	18.2
14.76	5.0E-05	0.00	31.6	1.71	7	26.4	44.2	70.6	28.4	36	30.0	6.0	-0.12	6.7	17.0
14.93	5.0E-04	0.00	47.4	0.67	9	39.5	14.6	54.1	15.1	38	40.6	1.0	-0.08	2.6	15.5
15.09	5.0E-03	0.00	85.7	0.25	9	71.1	0.0	71.1	5.0	42	57.5	1.0	-0.06	0.0	17.4
15.26	5.0E-03	0.00	112.1	0.40	9	93.4	0.0	93.4	5.0	42	65.3	1.0	-0.12	0.0	22.8
15.42	5.0E-03	0.00	120.2	0.47	9	100.7	0.0	100.7	5.0	42	67.5	1.0	-0.14	0.0	24.6
15.58	5.0E-03	0.00	126.1	0.62	9	106.1	3.5	109.6	6.2	44	69.0	1.0	-0.17	0.5	26.5
15.75	5.0E-02	0.00	146.2	0.60	9	123.7	0.4	124.1	5.1	44	73.4	1.0	-0.18	0.1	24.3
15.91	5.0E-02	0.00	148.9	0.55	9	126.7	0.0	126.7	4.6	44	74.0	1.0	-0.17	0.0	24.8
16.08	5.0E-02	0.00	162.8	0.50	9	139.2	0.0	139.2	3.7	44	76.8	1.0	-0.17	0.0	27.2
16.24	5.0E-02	0.00	172.3	0.50	9	148.0	0.0	148.0	3.4	44	78.5	1.0	-0.18	0.0	29.0
16.40	5.0E-02	0.00	179.2	0.53	9	154.8	0.0	154.8	3.4	44	79.8	1.0	-0.18	0.0	30.3
16.57	5.0E-02	0.00	185.5	0.50	9	161.0	0.0	161.0	3.0	44	80.9	1.0	-0.18	0.0	31.5
16.73	5.0E-02	0.00	172.0	0.50	9	150.2	0.0	150.2	3.4	44	78.9	1.0	-0.17	0.0	29.4
16.90	5.0E-02	0.00	148.2	0.54	9	130.2	0.0	130.2	4.6	44	74.8	1.0	-0.17	0.0	25.5
.06	5.0E-02	0.00	126.0	0.48	9	111.4	0.0	111.4	5.0	44	70.4	1.0	-0.14	0.0	21.8
.22	5.0E-03	0.00	110.9	0.46	9	98.6	0.0	98.6	5.0	42	66.9	1.0	-0.13	0.0	24.1
17.39	5.0E-03	0.00	104.3	0.40	9	93.4	0.0	93.4	5.0	42	65.3	1.0	-0.11	0.0	22.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	104.4	0.57	9	93.9	5.4	99.3	7.0	42	65.5	1.0	-0.14	0.8	23.8
17.72	5.0E-03	0.00	99.3	0.93	9	89.8	14.5	104.3	10.2	42	64.2	1.0	-0.18	2.1	24.1
17.88	5.0E-04	0.00	80.6	1.24	9	73.4	23.5	96.9	14.1	42	58.4	1.0	-0.19	4.3	28.2
18.04	5.0E-04	0.00	68.3	1.65	7	62.7	34.3	97.0	18.2	40	53.9	1.0	-0.20	5.8	26.3
18.21	5.0E-05	0.00	44.6	2.11	7	41.4	52.4	93.8	25.9	38	42.0	6.0	-0.18	8.7	24.9
18.37	5.0E-05	0.00	31.8	2.42	6	30.0	82.1	112.0	32.4	36	32.7	6.0	-0.16	9.9	21.7
18.54	5.0E-05	0.00	35.5	2.38	6	33.4	71.9	105.4	30.6	38	35.9	6.0	-0.17	9.8	22.8
18.70	5.0E-05	0.00	41.6	1.93	7	39.2	49.3	88.5	25.9	38	40.4	6.0	-0.17	8.2	23.6
18.86	5.0E-05	0.00	33.6	2.34	6	32.0	74.0	106.0	31.1	36	34.6	6.0	-0.16	9.7	22.2
19.03	5.0E-05	0.00	28.7	2.52	6	27.6	103.7	131.3	34.6	36	30.4	6.0	-0.15	10.5	21.3
19.19	5.0E-05	0.00	29.5	2.39	6	28.5	89.6	118.1	33.4	36	31.3	6.0	-0.15	10.1	21.2
19.36	5.0E-05	0.00	33.2	2.23	7	32.1	70.6	102.8	30.7	36	34.7	6.0	-0.16	9.5	22.1
19.52	5.0E-05	0.00	30.2	2.26	6	29.4	79.8	109.2	32.4	36	32.2	6.0	-0.15	9.7	21.2
19.68	5.0E-05	0.01	24.3	2.47	6	23.9	95.8	119.7	37.1	34	30.0	6.0	-0.13	9.4	18.8
19.85	5.0E-05	0.01	25.7	2.16	6	25.3	92.9	118.2	34.4	34	30.0	6.0	-0.12	9.6	19.5
20.01	5.0E-05	0.01	25.8	2.21	6	25.5	97.4	122.9	34.7	34	30.0	6.0	-0.13	9.8	19.8
20.18	5.0E-05	0.01	32.1	1.99	7	31.7	62.9	94.6	29.9	36	34.3	6.0	-0.14	8.8	21.2
20.34	5.0E-05	0.00	33.1	1.91	7	32.8	58.3	91.1	29.0	36	35.3	6.0	-0.14	8.6	21.4
20.51	5.0E-04	0.00	35.7	1.55	7	35.5	43.5	79.0	25.6	38	37.6	1.0	-0.13	6.1	17.7
20.67	5.0E-04	0.01	39.3	1.58	7	39.1	42.5	81.6	24.5	38	40.4	1.0	-0.14	6.2	18.9
20.83	5.0E-04	0.00	39.1	1.16	7	39.1	31.2	70.3	21.6	38	40.3	1.0	-0.11	4.9	17.7
21.00	5.0E-04	0.00	40.0	1.51	7	40.1	40.3	80.4	23.8	38	41.1	1.0	-0.14	6.0	19.0
21.16	5.0E-05	0.00	38.9	1.84	7	39.2	51.4	90.6	26.3	38	40.4	6.0	-0.15	8.4	23.8
21.33	5.0E-04	0.00	40.0	1.80	7	40.4	49.6	90.0	25.6	38	41.3	1.0	-0.15	6.9	20.1
21.49	5.0E-04	0.00	38.9	1.51	7	39.5	41.4	80.9	24.2	38	40.7	1.0	-0.13	6.1	19.0
21.65	5.0E-04	0.00	38.6	1.69	7	39.4	47.1	86.5	25.4	38	40.5	1.0	-0.14	6.6	19.5
21.82	5.0E-04	0.00	36.5	1.56	7	37.4	44.6	82.0	25.4	38	39.1	1.0	-0.13	6.3	18.5
21.98	5.0E-04	0.00	40.4	1.26	7	41.4	34.1	75.6	21.9	38	42.0	1.0	-0.12	5.3	18.8
22.15	5.0E-04	0.00	44.3	1.14	7	45.5	30.0	75.5	19.9	38	44.7	1.0	-0.12	4.9	19.8
.31	5.0E-04	0.00	38.9	1.60	7	40.3	44.8	85.1	24.7	38	41.2	1.0	-0.14	6.5	19.6
.47	5.0E-05	0.00	29.7	2.17	6	31.1	82.0	113.1	32.2	36	33.8	6.0	-0.14	10.1	22.3
22.64	5.0E-05	0.00	26.8	2.15	6	28.2	92.6	120.9	33.7	36	31.0	6.0	-0.13	10.2	21.2
22.80	5.0E-05	0.01	24.7	1.94	6	26.3	86.4	112.7	33.7	34	30.0	6.0	-0.11	9.5	19.8
22.97	5.0E-05	0.01	23.2	1.89	6	24.8	92.0	116.8	34.5	34	30.0	6.0	-0.10	9.4	19.1
23.13	5.0E-05	0.01	22.2	2.04	6	23.9	95.5	119.4	36.2	34	30.0	6.0	-0.10	9.4	18.7
23.29	5.0E-05	0.01	22.0	2.05	6	23.7	94.8	118.5	36.5	34	30.0	6.0	-0.10	9.3	18.6
23.46	5.0E-05	0.01	21.3	2.18	6	23.1	92.6	115.7	37.7	34	30.0	6.0	-0.10	9.1	18.1
23.62	5.0E-05	0.02	18.6	2.25	6	20.4	81.4	101.8	40.7	32	30.0	6.0	-0.09	8.0	15.9
23.79	5.0E-05	0.02	17.5	1.97	6	19.3	77.2	96.5	40.1	32	30.0	6.0	-0.07	7.6	15.1
23.95	5.0E-07	0.02	18.2	4.01	1	20.0	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
24.11	5.0E-08	0.03	16.9	4.33	1	18.8	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
24.28	5.0E-05	0.03	23.7	2.74	6	26.0	103.9	129.8	39.0	34	30.0	6.0	-0.14	10.2	20.3
24.44	5.0E-05	0.03	24.0	2.51	6	26.4	105.6	132.0	37.6	34	30.0	6.0	-0.13	10.3	20.7
24.61	5.0E-05	0.02	18.4	2.59	6	20.6	82.4	103.0	42.8	32	30.0	6.0	-0.10	8.1	16.1
24.77	5.0E-06	0.03	15.7	2.81	6	17.8	71.1	88.9	47.2	UnDef	UnDef	6.0	UnDef	8.7	17.4
24.93	5.0E-05	0.02	19.0	1.95	6	21.3	85.3	106.7	38.4	32	30.0	6.0	-0.08	8.4	16.7
25.10	5.0E-05	0.02	18.7	1.83	6	21.1	84.6	105.7	37.9	32	30.0	6.0	-0.07	8.3	16.6
25.26	5.0E-05	0.02	19.1	2.04	6	21.6	86.5	108.2	38.9	32	30.0	6.0	-0.09	8.5	16.9
25.43	5.0E-05	0.02	19.0	2.27	6	21.5	86.1	107.6	40.4	32	30.0	6.0	-0.09	8.4	16.8
25.59	5.0E-05	0.02	20.8	2.33	6	23.6	94.4	118.0	39.1	34	30.0	6.0	-0.11	9.2	18.5
25.75	5.0E-06	0.01	20.0	2.74	6	22.8	91.1	113.8	42.1	UnDef	UnDef	6.0	UnDef	11.1	22.3
25.92	5.0E-05	0.01	25.1	2.19	6	28.4	113.7	142.1	35.0	34	31.2	6.0	-0.12	11.1	22.3
26.08	5.0E-05	0.01	20.0	2.58	6	22.9	91.6	114.4	41.3	34	30.0	6.0	-0.11	9.0	17.9
26.25	5.0E-06	0.01	18.2	2.86	6	21.0	84.1	105.2	44.5	UnDef	UnDef	6.0	UnDef	10.3	20.6
26.41	5.0E-05	0.01	21.4	2.27	6	24.6	98.4	123.0	38.2	34	30.0	6.0	-0.11	9.6	19.3
26.57	5.0E-06	0.01	17.9	2.74	6	20.8	83.2	104.0	44.2	UnDef	UnDef	6.0	UnDef	10.2	20.4
26.74	5.0E-06	0.01	18.4	2.77	6	21.5	85.9	107.3	43.8	UnDef	UnDef	6.0	UnDef	10.5	21.0
26.90	5.0E-05	0.01	24.2	2.17	6	27.9	111.7	139.6	35.5	34	30.7	6.0	-0.12	10.9	21.9
27.07	5.0E-05	0.01	29.0	2.28	6	33.3	100.6	133.9	33.1	36	35.8	6.0	-0.14	11.6	24.6
27.23	5.0E-05	0.00	27.5	1.97	6	31.7	84.2	115.9	32.2	36	34.4	6.0	-0.12	10.3	22.8
27.39	5.0E-04	0.00	31.3	1.42	7	36.1	49.4	85.5	26.6	36	38.1	1.0	-0.11	6.7	18.4
56	5.0E-04	0.00	42.8	1.09	7	49.1	32.5	81.6	19.9	38	46.9	1.0	-0.11	5.3	21.3
.72	5.0E-04	0.00	42.1	1.73	7	48.4	52.8	101.2	24.5	38	46.5	1.0	-0.16	7.6	23.4
27.89	5.0E-05	0.00	36.8	2.15	7	42.7	74.1	116.8	28.8	38	42.9	6.0	-0.16	11.0	27.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	38.3	1.98	7	44.5	65.1	109.5	27.2	38	44.1	1.0	-0.16	8.6	23.1
28.21	5.0E-04	0.00	44.6	1.87	7	51.7	56.7	108.5	24.6	38	48.4	1.0	-0.17	8.2	25.1
28.38	5.0E-05	0.00	36.5	2.15	7	42.8	75.1	117.9	28.9	38	42.9	6.0	-0.16	11.1	27.8
28.54	5.0E-04	0.00	39.6	1.93	7	46.3	62.8	109.1	26.6	38	45.2	1.0	-0.16	8.5	23.6
28.71	5.0E-04	0.00	37.6	2.10	7	44.2	72.1	116.3	28.2	38	43.9	1.0	-0.16	9.1	23.6
28.87	5.0E-05	0.00	33.4	2.55	6	39.5	106.7	146.2	32.3	36	40.7	6.0	-0.17	13.0	28.5
29.04	5.0E-05	0.00	33.3	2.58	6	39.5	110.2	149.7	32.6	36	40.7	6.0	-0.18	13.2	28.7
29.20	5.0E-06	0.00	28.2	3.19	6	33.7	134.9	168.7	38.1	UnDef	UnDef	6.0	UnDef	16.5	33.0
29.36	5.0E-05	0.00	30.6	2.57	6	36.7	121.6	158.3	33.8	36	38.5	6.0	-0.16	13.3	27.6
29.53	5.0E-03	0.00	53.8	1.27	7	63.7	35.9	99.6	18.5	40	54.4	1.0	-0.15	4.5	20.1
29.69	5.0E-03	0.00	72.0	0.91	9	85.0	22.8	107.8	12.9	40	62.6	1.0	-0.15	3.2	24.0
29.86	5.0E-03	0.00	90.3	0.95	9	106.7	20.9	127.7	11.1	42	69.1	1.0	-0.17	3.0	29.1
30.02	5.0E-03	0.00	88.7	1.08	9	105.2	25.0	130.1	12.2	42	68.7	1.0	-0.18	3.5	29.2
30.18	5.0E-03	0.00	97.2	1.11	9	115.5	24.6	140.1	11.6	42	71.4	1.0	-0.19	3.5	31.7
30.35	5.0E-02	0.00	124.8	0.94	9	148.3	15.5	163.9	8.5	42	78.6	1.0	-0.20	1.8	30.9
30.51	5.0E-02	0.00	130.1	0.88	9	155.1	12.6	167.7	7.8	44	79.8	1.0	-0.20	1.5	31.9
30.68	5.0E-02	0.00	123.4	0.01	10	147.5	0.0	147.5	3.8	42	78.4	1.0	0.17	0.0	28.9
30.84	5.0E+00	0.00	128.5	0.01	10	154.0	0.0	154.0	3.7	44	79.7	1.0	0.17	0.0	25.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5347
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-38
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 15:06
CPT File: 315CP38.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	2.0	0.02	1.00	0.1	1	74.5	0.01	0.01	0.00	2.00	1.0	1.9	0.16	0.00
0.33	2.1	0.02	0.95	0.3	1	74.5	0.01	0.01	0.00	2.00	1.0	2.0	0.17	0.00
0.49	22.2	0.02	0.09	0.2	7	98.7	0.02	0.02	0.00	2.00	7.1	14.2	UnDef	0.09
0.66	34.6	0.03	0.09	0.2	8	101.8	0.03	0.03	0.00	2.00	8.3	16.6	UnDef	0.11
0.82	37.0	0.04	0.11	0.2	8	101.8	0.04	0.04	0.00	2.00	8.9	17.7	UnDef	0.11
0.98	33.5	0.05	0.15	-0.2	7	98.7	0.04	0.04	0.00	2.00	10.7	21.4	UnDef	0.10
1.15	30.3	0.02	0.07	0.0	7	98.7	0.05	0.05	0.00	2.00	9.7	19.3	UnDef	0.10
31	28.4	0.02	0.07	0.1	7	98.7	0.06	0.06	0.00	2.00	9.1	18.1	UnDef	0.09
.48	26.1	0.08	0.31	0.1	7	98.7	0.07	0.07	0.00	2.00	8.3	16.6	UnDef	0.09
1.64	25.3	0.20	0.79	0.2	7	98.7	0.08	0.08	0.00	2.00	8.1	16.2	UnDef	0.09
1.80	25.4	0.39	1.54	0.1	6	98.7	0.08	0.08	0.00	2.00	9.7	19.5	2.03	0.09
1.97	29.8	0.76	2.56	-0.4	6	98.7	0.09	0.09	0.00	2.00	11.4	22.8	2.37	0.00
2.13	37.1	0.98	2.65	0.3	6	98.7	0.10	0.10	0.00	2.00	14.2	28.4	2.96	0.00
2.30	65.4	1.59	2.44	1.1	6	98.7	0.11	0.11	0.00	2.00	25.1	50.1	5.23	0.00
2.46	68.8	2.42	3.51	2.5	5	85.3	0.12	0.12	0.00	2.00	32.9	65.9	5.50	0.00
2.62	43.0	2.62	6.09	-0.5	3	74.5	0.12	0.12	0.00	2.00	41.2	82.3	3.43	0.00
2.79	30.7	1.96	6.40	-8.1	3	74.5	0.13	0.13	0.00	2.00	29.4	58.8	2.44	0.00
2.95	22.2	0.99	4.46	-0.3	3	74.5	0.14	0.14	0.00	2.00	21.3	42.6	1.77	0.00
3.12	19.2	0.54	2.82	-0.1	5	85.3	0.14	0.14	0.00	2.00	9.2	18.4	1.53	0.10
3.28	23.8	0.54	2.27	-0.1	6	98.7	0.15	0.15	0.00	2.00	9.1	18.3	1.89	0.10
3.44	20.4	0.46	2.26	-3.5	6	98.7	0.16	0.16	0.00	2.00	7.8	15.6	1.62	0.09
3.61	20.0	0.37	1.85	-4.3	6	98.7	0.17	0.17	0.00	2.00	7.7	15.4	1.59	0.09
3.77	17.6	0.28	1.60	-1.2	6	98.7	0.17	0.17	0.00	2.00	6.7	13.5	1.39	0.09
3.94	21.5	0.26	1.21	-0.2	6	98.7	0.18	0.18	0.00	2.00	8.2	16.4	1.70	0.09
4.10	23.0	0.32	1.39	0.2	6	98.7	0.19	0.19	0.00	2.00	8.8	17.6	1.82	0.09
4.27	17.4	0.35	2.01	0.2	6	98.7	0.20	0.20	0.00	2.00	6.7	13.4	1.38	0.09
4.43	17.3	0.42	2.43	1.0	5	85.3	0.21	0.21	0.00	2.00	8.3	16.6	1.37	0.10
4.59	15.7	0.49	3.14	1.1	5	85.3	0.21	0.21	0.00	2.00	7.5	15.0	1.24	0.10
4.76	14.6	0.45	3.08	1.0	5	85.3	0.22	0.22	0.00	2.00	7.0	14.0	1.15	0.10
4.92	12.0	0.37	3.09	0.9	4	79.6	0.23	0.23	0.00	2.00	7.7	15.3	0.94	0.10
5.09	11.6	0.32	2.76	0.5	5	85.3	0.23	0.23	0.00	2.00	5.6	11.1	0.91	0.10
5.25	11.6	0.27	2.34	0.8	5	85.3	0.24	0.24	0.00	2.00	5.5	11.1	0.91	0.09
5.41	10.2	0.25	2.47	0.8	5	85.3	0.25	0.25	0.00	2.00	4.9	9.7	0.79	0.10
5.58	10.5	0.27	2.58	1.2	5	85.3	0.25	0.25	0.00	1.98	5.0	10.0	0.82	0.10
5.74	10.4	0.25	2.40	1.2	5	85.3	0.26	0.26	0.00	1.96	5.0	9.8	0.81	0.10
5.91	11.3	0.26	2.32	1.0	5	85.3	0.27	0.27	0.00	1.93	5.4	10.4	0.88	0.10
6.07	12.7	0.28	2.21	1.4	5	85.3	0.27	0.27	0.00	1.91	6.1	11.6	1.00	0.10
6.23	11.1	0.31	2.79	1.4	5	85.3	0.28	0.28	0.00	1.88	5.3	10.0	0.87	0.11
.40	12.1	0.30	2.49	3.2	5	85.3	0.29	0.29	0.00	1.86	5.8	10.8	0.94	0.10
56	12.4	0.25	2.02	4.4	5	85.3	0.30	0.30	0.00	1.84	5.9	10.9	0.97	0.09
.73	12.9	0.25	1.95	8.4	5	85.3	0.30	0.30	0.00	1.82	6.2	11.2	1.01	0.09
6.89	13.6	0.23	1.69	9.9	5	85.3	0.31	0.31	0.00	1.80	6.5	11.7	1.07	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	12.4	0.20	1.62	14.4	5	85.3	0.32	0.32	0.00	1.78	5.9	10.5	0.97	0.09
7.22	11.7	0.18	1.55	22.8	5	85.3	0.32	0.32	0.00	1.76	5.6	9.8	0.91	0.09
7.38	11.1	0.38	3.42	30.0	4	79.6	0.33	0.33	0.00	1.74	7.1	12.4	0.86	0.16
7.55	12.2	0.40	3.28	36.9	4	79.6	0.34	0.34	0.00	1.72	7.8	13.5	0.95	0.18
7.71	15.8	0.36	2.29	11.4	5	85.3	0.34	0.34	0.00	1.71	7.6	12.9	1.23	0.10
7.87	14.3	0.31	2.17	18.4	5	85.3	0.35	0.35	0.00	1.69	6.9	11.6	1.12	0.10
8.04	14.2	0.25	1.77	22.2	5	85.3	0.36	0.36	0.00	1.67	6.8	11.3	1.10	0.09
8.20	13.7	0.21	1.53	26.4	6	98.7	0.37	0.37	0.00	1.65	5.3	8.7	1.07	0.09
8.37	13.2	0.20	1.51	31.6	5	85.3	0.37	0.37	0.00	1.64	6.3	10.4	1.03	0.09
8.53	15.5	0.23	1.49	38.2	6	98.7	0.38	0.38	0.00	1.62	5.9	9.6	1.21	0.09
8.69	14.5	0.24	1.66	44.0	6	98.7	0.39	0.39	0.00	1.60	5.5	8.9	1.12	0.09
8.86	14.8	0.24	1.63	51.2	6	98.7	0.40	0.40	0.00	1.59	5.7	9.0	1.15	0.09
9.02	14.6	0.25	1.71	57.2	5	85.3	0.40	0.40	0.00	1.57	7.0	11.0	1.14	0.10
9.19	14.9	0.24	1.61	63.6	6	98.7	0.41	0.41	0.00	1.56	5.7	8.9	1.16	0.09
9.35	15.2	0.25	1.65	69.9	6	98.7	0.42	0.42	0.00	1.54	5.8	9.0	1.18	0.10
9.51	14.7	0.25	1.70	76.4	6	98.7	0.43	0.43	0.00	1.53	5.6	8.6	1.14	0.10
9.68	14.2	0.24	1.69	81.8	5	85.3	0.44	0.44	0.00	1.52	6.8	10.3	1.10	0.10
9.84	14.8	0.24	1.63	84.1	6	98.7	0.44	0.44	0.00	1.50	5.7	8.5	1.15	0.10
10.01	15.0	0.24	1.60	87.4	6	98.7	0.45	0.45	0.00	1.49	5.8	8.6	1.17	0.10
10.17	14.7	0.23	1.56	92.0	6	98.7	0.46	0.46	0.00	1.48	5.6	8.3	1.14	0.10
10.33	15.6	0.25	1.61	95.7	6	98.7	0.47	0.47	0.00	1.46	6.0	8.7	1.21	0.10
10.50	15.6	0.27	1.74	101.6	6	98.7	0.48	0.48	0.00	1.45	6.0	8.6	1.21	0.10
10.66	13.5	0.62	4.59	97.5	3	74.5	0.48	0.48	0.00	1.44	13.0	18.7	1.05	0.00
10.83	19.7	0.52	2.65	82.4	5	85.3	0.49	0.49	0.00	1.43	9.4	13.5	1.54	0.14
10.99	32.8	0.56	1.71	0.7	6	98.7	0.50	0.50	0.00	1.42	12.6	17.8	2.58	0.12
11.15	24.7	0.41	1.66	1.1	6	98.7	0.50	0.50	0.00	1.41	9.5	13.3	1.94	0.10
11.32	23.7	0.36	1.52	2.6	6	98.7	0.51	0.51	0.00	1.40	9.1	12.7	1.86	0.10
11.48	35.4	0.28	0.79	0.5	7	98.7	0.52	0.52	0.00	1.39	11.3	15.7	UnDef	0.10
11.65	49.6	0.24	0.48	0.7	8	101.8	0.53	0.53	0.00	1.37	11.9	16.3	UnDef	0.11
.81	63.5	0.18	0.28	0.9	8	101.8	0.54	0.54	0.00	1.36	15.2	20.7	UnDef	0.14
.97	57.5	0.12	0.21	1.0	8	101.8	0.55	0.55	0.00	1.35	13.8	18.6	UnDef	0.12
12.14	48.6	0.11	0.23	1.0	8	101.8	0.55	0.55	0.00	1.34	11.6	15.6	UnDef	0.10
12.30	44.7	0.19	0.43	0.9	8	101.8	0.56	0.56	0.00	1.33	10.7	14.3	UnDef	0.10
12.47	40.7	0.48	1.18	0.7	7	98.7	0.57	0.57	0.00	1.32	13.0	17.2	UnDef	0.12
12.63	32.8	0.41	1.25	1.0	7	98.7	0.58	0.58	0.00	1.31	10.5	13.8	UnDef	0.11
12.80	31.5	0.29	0.92	6.1	7	98.7	0.59	0.59	0.00	1.31	10.1	13.1	UnDef	0.10
12.96	75.2	0.33	0.44	6.4	8	101.8	0.60	0.60	0.00	1.30	18.0	23.3	UnDef	0.16
13.12	91.4	0.35	0.38	0.8	8	101.8	0.60	0.60	0.00	1.29	21.9	28.2	UnDef	0.22
13.29	93.8	0.40	0.43	0.7	8	101.8	0.61	0.61	0.00	1.28	22.5	28.7	UnDef	0.23
13.45	101.6	0.43	0.42	0.8	9	101.8	0.62	0.62	0.00	1.27	19.5	24.7	UnDef	0.27
13.62	113.3	0.52	0.46	0.7	9	101.8	0.63	0.63	0.00	1.26	21.7	27.4	UnDef	0.33
13.78	120.7	0.64	0.53	0.4	9	101.8	0.64	0.64	0.00	1.25	23.1	29.0	UnDef	0.38
13.94	128.2	0.66	0.52	0.6	9	101.8	0.65	0.65	0.00	1.24	24.5	30.6	UnDef	0.43
14.11	129.6	0.75	0.58	0.7	9	101.8	0.65	0.65	0.00	1.24	24.8	30.7	UnDef	0.44
14.27	119.7	0.75	0.63	0.4	9	101.8	0.66	0.66	0.00	1.23	22.9	28.2	UnDef	0.36
14.44	112.9	0.67	0.59	0.4	9	101.8	0.67	0.67	0.00	1.22	21.6	26.4	UnDef	0.31
14.60	108.4	0.65	0.60	0.4	9	101.8	0.68	0.68	0.00	1.21	20.8	25.2	UnDef	0.28
14.76	108.6	0.60	0.55	0.5	9	101.8	0.69	0.69	0.00	1.21	20.8	25.1	UnDef	0.28
14.93	116.5	0.60	0.52	0.5	9	101.8	0.70	0.70	0.00	1.20	22.3	26.8	UnDef	0.32
15.09	131.8	0.68	0.52	0.3	9	101.8	0.70	0.70	0.00	1.19	25.2	30.1	UnDef	0.42
15.26	143.3	0.78	0.55	0.3	9	101.8	0.71	0.71	0.00	1.19	27.5	32.5	UnDef	0.00
15.42	151.1	0.86	0.57	0.4	9	101.8	0.72	0.72	0.00	1.18	29.0	34.1	UnDef	0.00
15.58	161.0	0.93	0.58	0.2	9	101.8	0.73	0.73	0.00	1.17	30.8	36.1	UnDef	0.00
15.75	165.6	0.99	0.60	0.3	9	101.8	0.74	0.74	0.00	1.16	31.7	37.0	UnDef	0.00
15.91	161.6	0.97	0.60	0.0	9	101.8	0.75	0.75	0.00	1.16	31.0	35.9	UnDef	0.00
16.08	141.6	0.87	0.62	0.0	9	101.8	0.75	0.75	0.00	1.15	27.1	31.2	UnDef	0.46
16.24	119.3	0.66	0.55	-0.1	9	101.8	0.76	0.76	0.00	1.15	22.8	26.2	UnDef	0.30
16.40	108.9	0.57	0.52	-0.2	9	101.8	0.77	0.77	0.00	1.14	20.9	23.8	UnDef	0.25
16.57	98.8	0.85	0.86	-0.3	8	101.8	0.78	0.78	0.00	1.13	23.7	26.8	UnDef	0.24
16.73	88.0	0.83	0.95	0.6	8	101.8	0.79	0.79	0.00	1.13	21.1	23.8	UnDef	0.21
.90	95.5	0.88	0.92	0.3	8	101.8	0.80	0.80	0.00	1.12	22.9	25.6	UnDef	0.23
06	102.5	0.98	0.96	-0.5	8	101.8	0.80	0.80	0.00	1.12	24.5	27.4	UnDef	0.26
.22	98.4	0.84	0.86	-0.3	8	101.8	0.81	0.81	0.00	1.11	23.6	26.1	UnDef	0.23
17.39	81.6	1.12	1.38	-0.5	8	101.8	0.82	0.82	0.00	1.10	19.5	21.6	UnDef	0.21

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	119.6	1.08	0.91	0.6	8	101.8	0.83	0.83	0.00	1.10	28.6	31.4	UnDef	0.32
17.72	103.8	1.16	1.12	-0.2	8	101.8	0.84	0.84	0.00	1.09	24.9	27.2	UnDef	0.27
17.88	70.2	1.20	1.71	-0.2	7	98.7	0.85	0.85	0.00	1.09	22.4	24.4	UnDef	0.20
18.04	50.0	1.02	2.04	0.2	6	98.7	0.85	0.85	0.00	1.08	19.2	20.7	3.93	0.17
18.21	33.4	0.89	2.67	0.7	6	98.7	0.86	0.86	0.00	1.08	12.8	13.8	2.60	0.24
18.37	30.9	0.68	2.21	1.0	6	98.7	0.87	0.87	0.00	1.07	11.8	12.7	2.40	0.18
18.54	30.5	0.60	1.97	2.0	6	98.7	0.88	0.88	0.00	1.07	11.7	12.5	2.37	0.15
18.70	30.6	0.60	1.96	1.0	6	98.7	0.89	0.89	0.00	1.06	11.7	12.5	2.38	0.15
18.86	32.1	0.60	1.88	-0.6	6	98.7	0.89	0.89	0.00	1.06	12.3	13.0	2.49	0.14
19.03	28.3	0.56	1.98	-1.4	6	98.7	0.90	0.90	0.00	1.05	10.8	11.4	2.19	0.16
19.19	26.5	0.54	2.04	0.2	6	98.7	0.91	0.91	0.00	1.05	10.2	10.6	2.05	0.19
19.36	26.1	0.54	2.08	0.4	6	98.7	0.92	0.92	0.00	1.04	10.0	10.4	2.01	0.20
19.52	28.1	0.64	2.29	1.4	6	98.7	0.93	0.93	0.00	1.04	10.7	11.2	2.17	0.23
19.68	33.6	0.76	2.27	1.7	6	98.7	0.93	0.93	0.00	1.03	12.9	13.3	2.61	0.19
19.85	35.4	0.85	2.40	-1.5	6	98.7	0.94	0.94	0.00	1.03	13.6	14.0	2.76	0.21
20.01	38.8	0.92	2.37	-0.6	6	98.7	0.95	0.95	0.00	1.03	14.9	15.3	3.03	0.20
20.18	42.4	0.80	1.89	-0.5	6	98.7	0.96	0.96	0.00	1.02	16.2	16.6	3.32	0.15
20.34	45.5	0.80	1.76	-0.9	7	98.7	0.97	0.97	0.00	1.02	14.5	14.8	UnDef	0.15
20.51	40.7	0.76	1.87	-0.5	6	98.7	0.98	0.98	0.00	1.01	15.6	15.8	3.18	0.15
20.67	40.7	0.71	1.75	2.0	7	98.7	0.98	0.98	0.00	1.01	13.0	13.1	UnDef	0.14
20.83	46.5	0.84	1.81	-1.1	7	98.7	0.99	0.99	0.00	1.00	14.8	14.9	UnDef	0.16
21.00	44.0	0.85	1.94	0.3	6	98.7	1.00	1.00	0.00	1.00	16.9	16.9	3.44	0.16
21.16	42.0	0.86	2.05	1.0	6	98.7	1.01	1.01	0.00	1.00	16.1	16.0	3.28	0.17
21.33	39.2	0.78	1.99	2.3	6	98.7	1.02	1.02	0.00	0.99	15.0	14.9	3.06	0.17
21.49	40.3	0.80	1.99	4.6	6	98.7	1.02	1.02	0.00	0.99	15.4	15.2	3.14	0.17
21.65	39.8	0.77	1.94	4.9	6	98.7	1.03	1.03	0.00	0.98	15.2	15.0	3.10	0.16
21.82	39.4	0.73	1.86	6.0	6	98.7	1.04	1.04	0.00	0.98	15.1	14.8	3.07	0.16
21.98	35.2	0.66	1.88	1.1	6	98.7	1.05	1.05	0.00	0.98	13.5	13.2	2.73	0.16
22.15	32.0	0.62	1.94	4.3	6	98.7	1.06	1.06	0.00	0.97	12.2	11.9	2.47	0.18
[illegible]31	31.5	0.61	1.94	7.5	6	98.7	1.06	1.06	0.00	0.97	12.1	11.7	2.43	0.19
[illegible].47	28.9	0.60	2.08	10.8	6	98.7	1.07	1.07	0.00	0.97	11.1	10.7	2.23	0.26
22.64	28.8	0.60	2.09	14.5	6	98.7	1.08	1.08	0.00	0.96	11.0	10.6	2.22	0.27
22.80	27.9	0.54	1.94	19.0	6	98.7	1.09	1.09	0.00	0.96	10.7	10.2	2.14	0.24
22.97	26.4	0.59	2.24	21.7	6	98.7	1.10	1.10	0.00	0.96	10.1	9.7	2.03	0.26
23.13	26.6	0.55	2.08	24.6	6	98.7	1.10	1.10	0.00	0.95	10.2	9.7	2.04	0.26
23.29	23.2	0.46	1.99	27.3	6	98.7	1.11	1.11	0.00	0.95	8.9	8.4	1.77	0.20
23.46	23.8	0.33	1.39	31.8	6	98.7	1.12	1.12	0.00	0.94	9.1	8.6	1.82	0.16
23.62	22.7	0.29	1.28	35.9	6	98.7	1.13	1.13	0.00	0.94	8.7	8.2	1.72	0.15
23.79	25.1	0.99	3.95	41.5	4	79.6	1.14	1.14	0.00	0.94	16.0	15.0	1.92	0.22
23.95	25.5	0.90	3.54	11.7	5	85.3	1.14	1.14	0.00	0.94	12.2	11.4	1.95	0.23
24.11	37.2	0.92	2.48	10.7	6	98.7	1.15	1.15	0.00	0.93	14.3	13.3	2.89	0.33
24.28	26.7	0.73	2.74	4.3	5	85.3	1.16	1.16	0.00	0.93	12.8	11.9	2.05	0.25
24.44	21.3	0.60	2.82	6.4	5	85.3	1.17	1.17	0.00	0.93	10.2	9.5	1.61	0.16
24.61	25.2	0.39	1.55	8.5	6	98.7	1.17	1.17	0.00	0.92	9.7	8.9	1.92	0.21
24.77	24.1	0.34	1.41	5.9	6	98.7	1.18	1.18	0.00	0.92	9.2	8.5	1.83	0.19
24.93	22.5	0.49	2.19	9.3	6	98.7	1.19	1.19	0.00	0.92	8.6	7.9	1.70	0.18
25.10	30.0	0.54	1.80	12.7	6	98.7	1.20	1.20	0.00	0.91	11.5	10.5	2.31	0.23
25.26	28.2	0.73	2.59	12.2	6	98.7	1.20	1.20	0.00	0.91	10.8	9.9	2.16	0.27
25.43	31.9	0.64	2.01	14.1	6	98.7	1.21	1.21	0.00	0.91	12.2	11.1	2.46	0.28
25.59	34.9	0.89	2.55	15.1	6	98.7	1.22	1.22	0.00	0.91	13.4	12.1	2.70	0.42
25.75	33.4	0.87	2.61	5.5	6	98.7	1.23	1.23	0.00	0.90	12.8	11.5	2.57	0.38
25.92	31.5	0.85	2.70	8.4	6	98.7	1.24	1.24	0.00	0.90	12.1	10.9	2.42	0.33
26.08	30.5	0.63	2.07	10.2	6	98.7	1.25	1.25	0.00	0.90	11.7	10.5	2.34	0.30
26.25	24.6	0.62	2.52	11.4	6	98.7	1.25	1.25	0.00	0.89	9.4	8.4	1.87	0.20
26.41	29.6	0.61	2.06	14.5	6	98.7	1.26	1.26	0.00	0.89	11.4	10.1	2.27	0.28
26.57	32.6	0.59	1.82	13.3	6	98.7	1.27	1.27	0.00	0.89	12.5	11.1	2.50	0.23
26.74	28.6	0.69	2.42	14.7	6	98.7	1.28	1.28	0.00	0.88	10.9	9.7	2.18	0.26
26.90	33.2	0.79	2.39	18.7	6	98.7	1.29	1.29	0.00	0.88	12.7	11.2	2.55	0.35
27.07	43.1	1.17	2.72	19.5	6	98.7	1.29	1.29	0.00	0.88	16.5	14.5	3.35	0.00
27.23	56.0	1.01	1.81	14.3	7	98.7	1.30	1.30	0.00	0.88	17.9	15.7	UnDef	0.19
27.39	59.9	1.08	1.81	0.9	7	98.7	1.31	1.31	0.00	0.87	19.1	16.7	UnDef	0.19
[illegible]56	42.3	1.28	3.03	1.9	5	85.3	1.32	1.32	0.00	0.87	20.3	17.6	3.28	0.00
[illegible].72	42.2	1.19	2.83	2.9	6	98.7	1.33	1.33	0.00	0.87	16.2	14.0	3.27	0.00
27.89	54.8	0.95	1.74	3.7	7	98.7	1.33	1.33	0.00	0.87	17.5	15.2	UnDef	0.18

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
28.05	69.1	1.05	1.52	1.2	7	98.7	1.34	1.34	0.00	0.86	22.0	19.0	UnDef	0.18
28.21	59.5	1.18	1.99	0.2	7	98.7	1.35	1.35	0.00	0.86	19.0	16.4	UnDef	0.22
28.38	46.1	1.30	2.82	2.5	6	98.7	1.36	1.36	0.00	0.86	17.7	15.2	3.58	0.00
28.54	47.0	1.38	2.94	5.1	6	98.7	1.37	1.37	0.00	0.86	18.0	15.4	3.65	0.00
28.71	43.7	1.28	2.94	4.6	6	98.7	1.37	1.37	0.00	0.85	16.7	14.3	3.39	0.00
28.87	45.5	1.28	2.82	8.2	6	98.7	1.38	1.38	0.00	0.85	17.4	14.8	3.53	0.00
29.04	44.6	1.25	2.81	7.4	6	98.7	1.39	1.39	0.00	0.85	17.1	14.5	3.45	0.00
29.20	49.3	1.35	2.75	10.6	6	98.7	1.40	1.40	0.00	0.85	18.9	16.0	3.83	0.00
29.36	70.4	1.26	1.79	10.0	7	98.7	1.41	1.41	0.00	0.84	22.5	19.0	UnDef	0.21
29.53	115.1	1.34	1.17	3.5	8	101.8	1.41	1.41	0.00	0.84	27.5	23.2	UnDef	0.26
29.69	136.5	1.31	0.96	0.4	9	101.8	1.42	1.42	0.00	0.84	26.1	21.9	UnDef	0.30
29.86	146.9	1.42	0.97	-0.1	9	101.8	1.43	1.43	0.00	0.84	28.1	23.5	UnDef	0.34
30.02	152.5	1.58	1.04	-0.2	9	101.8	1.44	1.44	0.00	0.83	29.2	24.4	UnDef	0.37
30.18	148.6	1.98	1.34	-0.5	8	101.8	1.45	1.45	0.00	0.83	35.6	29.6	UnDef	0.41
30.35	131.3	1.73	1.32	-0.1	8	101.8	1.46	1.46	0.00	0.83	31.4	26.0	UnDef	0.33
30.51	129.7	1.82	1.41	-0.2	8	101.8	1.46	1.46	0.00	0.83	31.0	25.7	UnDef	0.34
30.68	183.6	1.94	1.06	0.0	9	101.8	1.47	1.47	0.00	0.82	35.2	29.0	UnDef	0.00
30.84	155.9	1.92	1.23	-0.3	8	101.8	1.48	1.48	0.00	0.82	37.3	30.7	UnDef	0.42
31.00	85.0	2.21	2.60	-0.3	6	98.7	1.49	1.49	0.00	0.82	32.5	26.7	6.68	0.40
31.17	79.5	2.51	3.15	-0.2	6	98.7	1.50	1.50	0.00	0.82	30.5	24.9	6.24	0.00
31.33	50.2	2.04	4.08	0.2	5	85.3	1.51	1.51	0.00	0.82	24.0	19.6	3.89	0.00
31.50	35.7	1.50	4.21	0.3	4	79.6	1.51	1.51	0.00	0.81	22.8	18.5	2.74	0.00
31.66	158.2	1.52	0.96	1.5	9	101.8	1.52	1.52	0.00	0.81	30.3	24.6	UnDef	0.37
31.82	240.3	1.94	0.81	-0.4	9	101.8	1.53	1.53	0.00	0.81	46.0	37.2	UnDef	0.00
31.99	265.0	0.02	0.01	-0.3	10	127.3	1.54	1.54	0.00	0.81	42.3	34.1	UnDef	0.00
32.15	333.8	0.02	0.01	-0.4	10	127.3	1.55	1.55	0.00	0.80	53.3	42.8	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5347
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-38
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 15:06
CPT File: 315CP38.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	327.3	1.00	9	3.8	0.0	3.8	3.6	UnDef	UnDef	10.0	UnDef	0.0	1.9
0.33	1.7E-07	0.00	171.4	0.96	9	4.0	0.2	4.2	6.6	UnDef	UnDef	10.0	UnDef	0.1	2.1
0.49	5.0E-04	0.00	1000.0	0.09	10	42.5	0.0	42.5	0.0	50	80.0	1.0	-0.18	0.0	14.2
0.66	5.0E-03	0.00	1000.0	0.09	10	66.3	0.0	66.3	0.0	50	87.7	1.0	-0.18	0.0	16.6
0.82	5.0E-03	0.00	1000.0	0.11	10	70.8	0.0	70.8	0.0	50	85.8	1.0	-0.20	0.0	17.7
0.98	5.0E-04	0.00	757.7	0.15	10	64.1	0.0	64.1	0.0	50	80.0	1.0	-0.20	0.0	21.4
1.15	5.0E-04	0.00	579.0	0.07	10	58.0	0.0	58.0	0.0	50	74.7	1.0	-0.11	0.0	19.3
1.31	5.0E-04	0.00	469.3	0.07	10	54.3	0.0	54.3	0.0	48	70.8	1.0	-0.10	0.0	18.1
.48	5.0E-04	0.00	380.1	0.31	10	49.9	0.0	49.9	0.0	48	66.6	1.0	-0.20	0.0	16.6
.64	5.0E-04	0.00	329.8	0.79	9	48.5	0.0	48.5	2.4	48	64.1	1.0	-0.28	0.0	16.2
1.80	5.0E-05	0.00	299.6	1.54	9	48.7	2.1	50.8	6.6	46	62.8	10.0	-0.34	0.5	20.0
1.97	5.0E-05	0.00	320.2	2.57	12	57.0	UnDef	UnDef	0.0	46	66.0	10.0	-0.44	UnDef	UnDef
2.13	5.0E-05	0.00	366.7	2.66	12	71.0	UnDef	UnDef	0.0	48	71.1	10.0	-0.47	UnDef	UnDef
2.30	5.0E-05	0.00	600.0	2.44	12	125.3	UnDef	UnDef	0.0	50	86.3	10.0	-0.50	UnDef	UnDef
2.46	5.0E-06	0.00	590.1	3.52	12	131.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-08	0.00	348.7	6.10	11	82.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.79	5.0E-08	-0.01	236.8	6.43	11	58.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.95	5.0E-08	0.00	163.5	4.49	11	42.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.12	5.0E-06	0.00	134.7	2.84	7	36.8	17.7	54.5	17.2	UnDef	UnDef	10.0	UnDef	4.7	23.1
3.28	5.0E-05	0.00	158.6	2.29	7	45.6	13.7	59.4	13.7	44	52.8	10.0	-0.34	3.1	21.3
3.44	5.0E-05	-0.01	128.4	2.28	7	39.0	14.9	53.9	15.3	44	47.5	10.0	-0.31	3.3	18.9
3.61	5.0E-05	-0.01	120.1	1.87	7	38.4	12.2	50.6	14.0	42	46.4	10.0	-0.28	2.7	18.1
3.77	5.0E-05	0.00	100.2	1.61	7	33.6	11.1	44.8	14.3	42	41.9	10.0	-0.24	2.5	15.9
3.94	5.0E-05	0.00	117.2	1.22	9	41.1	7.5	48.6	10.8	42	47.0	10.0	-0.22	1.8	18.2
4.10	5.0E-05	0.00	120.2	1.41	9	44.0	9.5	53.5	11.6	42	48.3	10.0	-0.24	2.2	19.8
4.27	5.0E-05	0.00	87.2	2.03	7	33.4	17.3	50.7	17.8	42	39.8	10.0	-0.25	3.6	17.0
4.43	5.0E-06	0.00	83.3	2.46	7	33.2	22.6	55.8	20.2	UnDef	UnDef	10.0	UnDef	5.6	22.2
4.59	5.0E-06	0.00	72.7	3.18	7	30.0	33.2	63.2	24.7	UnDef	UnDef	10.0	UnDef	7.3	22.3
4.76	5.0E-06	0.00	65.7	3.13	7	28.0	34.6	62.6	25.7	UnDef	UnDef	10.0	UnDef	7.4	21.4
4.92	5.0E-07	0.00	52.1	3.15	6	23.0	39.6	62.6	28.7	UnDef	UnDef	10.0	UnDef	10.0	25.4
5.09	5.0E-06	0.00	48.9	2.81	7	22.3	35.8	58.1	28.1	UnDef	UnDef	6.0	UnDef	7.0	18.1
5.25	5.0E-06	0.00	47.2	2.39	7	22.1	30.1	52.3	26.6	UnDef	UnDef	6.0	UnDef	6.2	17.3
5.41	5.0E-06	0.00	40.1	2.53	7	19.5	36.8	56.3	29.5	UnDef	UnDef	6.0	UnDef	6.7	16.5
5.58	5.0E-06	0.00	40.3	2.65	6	20.1	40.4	60.5	30.0	UnDef	UnDef	6.0	UnDef	7.2	17.1
5.74	5.0E-06	0.00	38.9	2.47	7	20.0	38.3	58.3	29.6	UnDef	UnDef	6.0	UnDef	6.8	16.6
5.91	5.0E-06	0.00	41.0	2.37	7	21.3	35.5	56.8	28.4	UnDef	UnDef	6.0	UnDef	6.7	17.1
6.07	5.0E-06	0.00	45.3	2.26	7	23.7	31.9	55.6	26.5	UnDef	UnDef	6.0	UnDef	6.5	18.1
6.23	5.0E-06	0.00	38.5	2.87	6	20.5	51.1	71.6	31.7	UnDef	UnDef	6.0	UnDef	8.1	18.1
6.40	5.0E-06	0.01	40.8	2.55	7	22.0	40.9	63.0	29.4	UnDef	UnDef	6.0	UnDef	7.4	18.2
6.56	5.0E-06	0.01	40.9	2.07	7	22.3	31.2	53.5	26.8	UnDef	UnDef	6.0	UnDef	6.3	17.2
73	5.0E-06	0.02	41.5	1.99	7	22.9	29.9	52.8	26.2	UnDef	UnDef	6.0	UnDef	6.2	17.4
.89	5.0E-06	0.02	43.1	1.73	7	24.0	25.2	49.2	24.2	UnDef	UnDef	6.0	UnDef	5.5	17.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.04	38.1	1.66	7	21.6	25.8	47.4	25.4	UnDef	UnDef	6.0	UnDef	5.5	16.0
7.22	5.0E-06	0.06	35.0	1.59	7	20.1	26.0	46.1	26.2	UnDef	UnDef	6.0	UnDef	5.4	15.2
7.38	5.0E-07	0.09	32.7	3.53	6	18.9	75.8	94.7	37.2	UnDef	UnDef	6.0	UnDef	12.4	24.7
7.55	5.0E-07	0.10	35.3	3.37	6	20.6	82.5	103.2	35.2	UnDef	UnDef	6.0	UnDef	13.5	26.9
7.71	5.0E-06	0.02	44.9	2.34	7	26.3	37.5	63.8	27.0	UnDef	UnDef	6.0	UnDef	7.5	20.4
7.87	5.0E-06	0.04	39.8	2.22	7	23.7	37.9	61.6	28.0	UnDef	UnDef	6.0	UnDef	7.3	18.8
8.04	5.0E-06	0.05	38.6	1.82	7	23.2	30.3	53.4	26.2	UnDef	UnDef	6.0	UnDef	6.2	17.6
8.20	5.0E-05	0.06	36.6	1.58	7	22.2	26.7	48.9	25.4	38	30.0	6.0	-0.12	4.5	13.2
8.37	5.0E-06	0.08	34.5	1.56	7	21.2	27.5	48.7	26.1	UnDef	UnDef	6.0	UnDef	5.7	16.0
8.53	5.0E-05	0.08	39.8	1.52	7	24.6	25.2	49.8	24.0	38	30.0	6.0	-0.13	4.5	14.1
8.69	5.0E-05	0.10	36.2	1.71	7	22.7	30.4	53.1	26.5	38	30.0	6.0	-0.13	5.0	13.8
8.86	5.0E-05	0.11	36.3	1.67	7	23.0	29.8	52.8	26.1	38	30.0	6.0	-0.12	4.9	13.9
9.02	5.0E-06	0.13	35.2	1.76	7	22.5	32.6	55.2	27.1	UnDef	UnDef	6.0	UnDef	6.5	17.5
9.19	5.0E-05	0.14	35.2	1.66	7	22.8	30.7	53.4	26.5	38	30.0	6.0	-0.12	5.0	13.9
9.35	5.0E-05	0.15	35.2	1.69	7	23.0	31.8	54.7	26.7	38	30.0	6.0	-0.12	5.1	14.1
9.51	5.0E-05	0.17	33.4	1.75	7	22.0	34.5	56.5	27.9	36	30.0	6.0	-0.11	5.3	14.0
9.68	5.0E-06	0.18	31.7	1.74	7	21.1	35.9	57.0	28.6	UnDef	UnDef	6.0	UnDef	6.7	17.0
9.84	5.0E-05	0.18	32.3	1.68	7	21.7	34.1	55.8	27.9	36	30.0	6.0	-0.10	5.3	13.8
10.01	5.0E-05	0.19	32.3	1.65	7	21.9	33.7	55.6	27.7	36	30.0	6.0	-0.10	5.2	13.8
10.17	5.0E-05	0.20	31.1	1.61	7	21.3	34.0	55.3	28.0	36	30.0	6.0	-0.09	5.2	13.5
10.33	5.0E-05	0.20	32.3	1.66	7	22.3	34.5	56.8	27.7	36	30.0	6.0	-0.10	5.3	14.1
10.50	5.0E-05	0.21	31.7	1.80	7	22.1	38.9	61.0	28.9	36	30.0	6.0	-0.10	5.7	14.4
10.66	5.0E-08	0.23	27.1	4.76	1	19.1	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
10.83	5.0E-06	0.13	39.2	2.72	6	27.5	60.5	88.0	30.7	UnDef	UnDef	6.0	UnDef	10.2	23.6
10.99	5.0E-05	0.00	65.0	1.74	7	45.5	28.1	73.6	19.3	40	44.7	10.0	-0.20	5.6	23.4
11.15	5.0E-05	0.00	48.0	1.70	7	34.1	30.2	64.3	22.6	38	36.4	6.0	-0.17	5.6	18.9
11.32	5.0E-05	0.00	45.2	1.56	7	32.4	28.4	60.8	22.5	38	35.0	6.0	-0.15	5.2	17.9
11.48	5.0E-04	0.00	66.9	0.80	9	48.0	12.5	60.5	12.8	40	46.2	1.0	-0.13	2.3	18.0
11.65	5.0E-03	0.00	92.8	0.49	9	66.8	0.0	66.8	5.0	42	55.7	1.0	-0.12	0.0	16.3
81	5.0E-03	0.00	117.1	0.29	9	84.8	0.0	84.8	3.7	42	62.5	1.0	-0.10	0.0	20.7
.97	5.0E-03	0.00	104.3	0.21	9	76.2	0.0	76.2	3.6	42	59.5	1.0	-0.06	0.0	18.6
12.14	5.0E-03	0.00	86.7	0.23	9	63.9	0.0	63.9	5.0	42	54.4	1.0	-0.05	0.0	15.6
12.30	5.0E-03	0.00	78.5	0.43	9	58.4	0.0	58.4	5.0	42	51.8	1.0	-0.09	0.0	14.3
12.47	5.0E-04	0.00	70.3	1.20	7	52.7	19.7	72.4	15.2	40	48.9	1.0	-0.17	3.5	20.7
12.63	5.0E-04	0.00	55.6	1.28	7	42.2	22.9	65.1	18.2	40	42.5	1.0	-0.15	3.9	17.6
12.80	5.0E-04	0.01	52.7	0.94	7	40.3	17.4	57.7	16.3	38	41.2	1.0	-0.12	3.1	16.2
12.96	5.0E-03	0.00	125.3	0.44	9	95.3	0.0	95.3	4.7	44	65.9	1.0	-0.14	0.0	23.3
13.12	5.0E-03	0.00	150.5	0.39	9	115.2	0.0	115.2	3.2	44	71.3	1.0	-0.14	0.0	28.2
13.29	5.0E-03	0.00	152.3	0.43	9	117.3	0.0	117.3	3.5	44	71.9	1.0	-0.15	0.0	28.7
13.45	5.0E-02	0.00	162.8	0.43	9	126.2	0.0	126.2	3.1	44	74.0	1.0	-0.16	0.0	24.7
13.62	5.0E-02	0.00	179.3	0.46	9	139.9	0.0	139.9	2.9	44	76.9	1.0	-0.17	0.0	27.4
13.78	5.0E-02	0.00	188.6	0.53	9	148.0	0.0	148.0	3.2	44	78.5	1.0	-0.19	0.0	29.0
13.94	5.0E-02	0.00	197.6	0.52	9	156.1	0.0	156.1	2.9	46	80.0	1.0	-0.19	0.0	30.6
14.11	5.0E-02	0.00	197.2	0.58	9	156.8	0.0	156.8	3.3	46	80.2	1.0	-0.20	0.0	30.7
14.27	5.0E-02	0.00	179.7	0.63	9	143.9	0.0	143.9	4.2	44	77.7	1.0	-0.20	0.0	28.2
14.44	5.0E-02	0.00	167.5	0.60	9	135.0	0.0	135.0	4.3	44	75.9	1.0	-0.19	0.0	26.4
14.60	5.0E-02	0.00	158.7	0.60	9	128.8	0.0	128.8	4.6	44	74.5	1.0	-0.18	0.0	25.2
14.76	5.0E-02	0.00	157.1	0.56	9	128.2	0.0	128.2	4.3	44	74.4	1.0	-0.18	0.0	25.1
14.93	5.0E-02	0.00	166.5	0.52	9	136.7	0.0	136.7	3.7	44	76.2	1.0	-0.18	0.0	26.8
15.09	5.0E-02	0.00	186.3	0.52	9	153.7	0.0	153.7	3.1	44	79.6	1.0	-0.19	0.0	30.1
15.26	5.0E-02	0.00	200.3	0.55	9	166.2	0.0	166.2	3.0	46	81.8	1.0	-0.20	0.0	32.5
15.42	5.0E-02	0.00	208.8	0.57	9	174.3	0.0	174.3	3.0	46	83.2	1.0	-0.20	0.0	34.1
15.58	5.0E-02	0.00	220.0	0.58	9	184.6	0.0	184.6	2.8	46	84.8	1.0	-0.21	0.0	36.1
15.75	5.0E-02	0.00	223.7	0.60	9	188.8	0.0	188.8	2.9	46	85.5	1.0	-0.22	0.0	37.0
15.91	5.0E-02	0.00	215.8	0.60	9	183.2	0.0	183.2	3.0	46	84.6	1.0	-0.21	0.0	35.9
16.08	5.0E-02	0.00	186.8	0.62	9	159.6	0.0	159.6	3.9	44	80.7	1.0	-0.20	0.0	31.2
16.24	5.0E-02	0.00	155.5	0.56	9	133.7	0.0	133.7	4.4	44	75.6	1.0	-0.18	0.0	26.2
16.40	5.0E-02	0.00	140.3	0.53	9	121.4	0.0	121.4	4.8	44	72.8	1.0	-0.16	0.0	23.8
16.57	5.0E-03	0.00	125.9	0.87	9	109.6	9.6	119.1	8.0	44	69.9	1.0	-0.20	1.4	28.2
16.73	5.0E-03	0.00	110.8	0.95	9	97.1	13.3	110.4	9.5	42	66.4	1.0	-0.19	1.9	25.7
16.90	5.0E-03	0.00	119.0	0.93	9	104.8	11.9	116.7	8.8	42	68.6	1.0	-0.20	1.8	27.4
06	5.0E-03	0.00	126.5	0.97	9	111.9	12.0	123.9	8.6	44	70.5	1.0	-0.21	1.8	29.1
.22	5.0E-03	0.00	120.1	0.86	9	106.8	10.3	117.1	8.3	42	69.2	1.0	-0.19	1.5	27.7
17.39	5.0E-03	0.00	98.4	1.39	9	88.1	24.8	112.9	13.2	42	63.7	1.0	-0.22	3.4	25.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	143.2	0.91	9	128.5	8.8	137.4	7.4	44	74.5	1.0	-0.21	1.3	32.8
17.72	5.0E-03	0.00	123.0	1.13	9	111.0	16.5	127.6	9.9	42	70.3	1.0	-0.22	2.4	29.6
17.88	5.0E-04	0.00	82.0	1.73	7	74.7	34.5	109.2	16.8	42	58.9	1.0	-0.22	6.0	30.4
18.04	5.0E-05	0.00	57.6	2.08	7	53.0	46.5	99.5	22.5	40	49.1	10.0	-0.21	8.6	29.3
18.21	5.0E-05	0.00	37.7	2.75	6	35.2	84.7	119.8	31.5	38	37.3	6.0	-0.20	10.9	24.7
18.37	5.0E-05	0.00	34.5	2.27	7	32.4	68.4	100.8	30.4	36	35.0	6.0	-0.16	9.3	22.0
18.54	5.0E-05	0.00	33.7	2.03	7	31.8	59.6	91.4	29.4	36	34.5	6.0	-0.15	8.6	21.0
18.70	5.0E-05	0.00	33.5	2.02	7	31.8	59.7	91.6	29.4	36	34.5	6.0	-0.15	8.6	21.0
18.86	5.0E-05	0.00	34.9	1.93	7	33.2	54.8	88.0	28.3	38	35.7	6.0	-0.15	8.3	21.3
19.03	5.0E-05	0.00	30.4	2.05	7	29.1	67.1	96.2	31.1	36	31.9	6.0	-0.14	8.8	20.2
19.19	5.0E-05	0.00	28.1	2.11	6	27.2	77.1	104.3	32.7	36	30.0	6.0	-0.13	9.2	19.8
19.36	5.0E-05	0.00	27.4	2.15	6	26.6	82.8	109.4	33.3	36	30.0	6.0	-0.13	9.4	19.8
19.52	5.0E-05	0.00	29.3	2.36	6	28.5	90.0	118.6	33.4	36	31.3	6.0	-0.15	10.1	21.3
19.68	5.0E-05	0.00	35.0	2.33	7	34.0	72.8	106.8	30.5	38	36.4	6.0	-0.17	9.9	23.2
19.85	5.0E-05	0.00	36.6	2.47	6	35.7	76.7	112.4	30.6	38	37.8	6.0	-0.18	10.4	24.4
20.01	5.0E-05	0.00	39.8	2.43	7	39.0	70.7	109.6	29.1	38	40.3	6.0	-0.19	10.3	25.6
20.18	5.0E-05	0.00	43.2	1.93	7	42.4	50.4	92.8	25.4	38	42.7	6.0	-0.17	8.5	25.1
20.34	5.0E-04	0.00	46.1	1.80	7	45.3	45.3	90.7	23.7	38	44.6	1.0	-0.17	6.7	21.5
20.51	5.0E-05	0.00	40.7	1.92	7	40.3	51.8	92.1	26.1	38	41.2	6.0	-0.16	8.6	24.4
20.67	5.0E-04	0.00	40.4	1.79	7	40.2	48.2	88.4	25.4	38	41.1	1.0	-0.15	6.8	19.9
20.83	5.0E-04	0.00	45.9	1.85	7	45.7	47.5	93.2	24.1	38	44.8	1.0	-0.17	7.0	21.9
21.00	5.0E-05	0.00	43.0	1.98	7	43.1	53.0	96.1	25.7	38	43.1	6.0	-0.17	8.9	25.8
21.16	5.0E-05	0.00	40.7	2.10	7	40.9	59.1	100.0	27.1	38	41.7	6.0	-0.17	9.4	25.4
21.33	5.0E-05	0.00	37.6	2.05	7	38.1	59.9	98.0	27.9	38	39.6	6.0	-0.16	9.2	24.1
21.49	5.0E-05	0.00	38.3	2.04	7	38.9	59.3	98.3	27.6	38	40.2	6.0	-0.16	9.3	24.5
21.65	5.0E-05	0.00	37.5	1.99	7	38.3	58.5	96.8	27.6	38	39.8	6.0	-0.16	9.1	24.1
21.82	5.0E-05	0.00	36.9	1.91	7	37.9	56.0	93.9	27.4	38	39.4	6.0	-0.15	8.8	23.6
21.98	5.0E-05	0.00	32.6	1.94	7	33.7	62.6	96.3	29.4	36	36.1	6.0	-0.14	9.0	22.2
22.15	5.0E-05	0.00	29.3	2.01	7	30.4	73.2	103.6	31.5	36	33.2	6.0	-0.13	9.4	21.3
31	5.0E-05	0.01	28.6	2.01	6	29.8	75.4	105.3	31.8	36	32.6	6.0	-0.13	9.5	21.2
.47	5.0E-05	0.01	26.0	2.16	6	27.3	97.4	124.8	34.2	34	30.1	6.0	-0.12	10.2	20.9
22.64	5.0E-05	0.02	25.7	2.17	6	27.1	100.5	127.6	34.5	34	30.0	6.0	-0.12	10.3	20.9
22.80	5.0E-05	0.02	24.6	2.02	6	26.1	94.2	120.4	34.3	34	30.0	6.0	-0.11	9.8	20.1
22.97	5.0E-05	0.03	23.1	2.34	6	24.7	98.8	123.5	37.2	34	30.0	6.0	-0.12	9.7	19.3
23.13	5.0E-05	0.03	23.0	2.17	6	24.7	98.9	123.6	36.3	34	30.0	6.0	-0.11	9.7	19.4
23.29	5.0E-05	0.04	19.8	2.09	6	21.5	86.1	107.6	38.5	34	30.0	6.0	-0.09	8.4	16.8
23.46	5.0E-05	0.04	20.3	1.46	6	22.0	73.2	95.3	33.8	34	30.0	6.0	-0.06	8.0	16.6
23.62	5.0E-05	0.05	19.1	1.35	6	20.9	72.0	92.9	34.0	32	30.0	6.0	-0.05	7.7	15.9
23.79	5.0E-07	0.05	21.1	4.14	4	23.0	92.2	115.2	47.4	UnDef	UnDef	6.0	UnDef	15.0	30.1
23.95	5.0E-06	0.01	21.3	3.71	6	23.3	93.3	116.6	45.5	UnDef	UnDef	6.0	UnDef	11.4	22.8
24.11	5.0E-05	0.01	31.4	2.56	6	34.0	105.8	139.8	33.4	36	36.3	6.0	-0.17	12.0	25.3
24.28	5.0E-06	0.01	22.1	2.86	6	24.3	97.2	121.5	40.9	UnDef	UnDef	6.0	UnDef	11.9	23.8
24.44	5.0E-06	0.01	17.3	2.99	6	19.3	77.3	96.6	46.2	UnDef	UnDef	6.0	UnDef	9.5	18.9
24.61	5.0E-05	0.01	20.5	1.63	6	22.8	89.5	112.3	34.9	34	30.0	6.0	-0.07	8.9	17.8
24.77	5.0E-05	0.01	19.4	1.49	6	21.7	84.3	106.0	34.8	32	30.0	6.0	-0.06	8.4	16.9
24.93	5.0E-05	0.01	17.9	2.31	6	20.2	80.7	100.8	41.8	32	30.0	6.0	-0.09	7.9	15.8
25.10	5.0E-05	0.01	24.1	1.88	6	26.9	89.3	116.1	33.8	34	30.0	6.0	-0.10	9.7	20.2
25.26	5.0E-05	0.01	22.4	2.71	6	25.2	100.7	125.8	39.8	34	30.0	6.0	-0.13	9.9	19.7
25.43	5.0E-05	0.01	25.3	2.09	6	28.4	101.0	129.4	34.2	34	31.2	6.0	-0.12	10.6	21.7
25.59	5.0E-05	0.01	27.6	2.65	6	30.9	123.8	154.7	35.9	36	33.7	6.0	-0.15	12.1	24.2
25.75	5.0E-05	0.01	26.2	2.71	6	29.5	117.8	147.3	37.1	34	32.2	6.0	-0.15	11.5	23.1
25.92	5.0E-05	0.01	24.5	2.81	6	27.7	111.0	138.7	38.8	34	30.5	6.0	-0.15	10.9	21.7
26.08	5.0E-05	0.01	23.5	2.16	6	26.8	107.1	133.8	35.9	34	30.0	6.0	-0.11	10.5	21.0
26.25	5.0E-05	0.02	18.7	2.66	6	21.5	86.2	107.7	42.9	32	30.0	6.0	-0.11	8.4	16.9
26.41	5.0E-05	0.02	22.5	2.15	6	25.8	103.3	129.2	36.7	34	30.0	6.0	-0.11	10.1	20.2
26.57	5.0E-05	0.01	24.7	1.89	6	28.3	89.6	117.9	33.5	34	31.1	6.0	-0.11	10.0	21.1
26.74	5.0E-05	0.02	21.3	2.54	6	24.7	98.9	123.6	39.8	34	30.0	6.0	-0.12	9.7	19.4
26.90	5.0E-05	0.02	24.8	2.48	6	28.6	114.5	143.2	36.8	34	31.4	6.0	-0.13	11.2	22.4
27.07	5.0E-05	0.01	32.3	2.80	6	37.1	128.9	166.0	34.1	36	38.9	6.0	-0.18	13.7	28.3
27.23	5.0E-04	0.01	42.0	1.85	7	48.0	56.6	104.6	25.3	38	46.2	1.0	-0.16	8.0	23.7
.39	5.0E-04	0.00	44.7	1.85	7	51.2	55.1	106.3	24.4	38	48.1	1.0	-0.17	8.0	24.7
56	5.0E-06	0.00	31.1	3.13	6	36.1	144.2	180.3	36.2	UnDef	UnDef	6.0	UnDef	17.6	35.3
.72	5.0E-05	0.00	30.8	2.92	6	35.9	143.4	179.3	35.4	36	37.9	6.0	-0.18	14.0	28.1
27.89	5.0E-04	0.00	40.1	1.78	7	46.5	55.9	102.4	25.5	38	45.3	1.0	-0.15	7.9	23.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	50.5	1.55	7	58.4	44.1	102.4	21.1	38	51.8	1.0	-0.16	7.0	26.0
28.21	5.0E-04	0.00	43.1	2.03	7	50.2	63.6	113.7	25.9	38	47.5	1.0	-0.18	8.8	25.2
28.38	5.0E-05	0.00	33.0	2.91	6	38.7	138.9	177.6	34.3	36	40.1	6.0	-0.19	14.5	29.7
28.54	5.0E-05	0.00	33.4	3.03	6	39.3	149.5	188.8	34.6	36	40.5	6.0	-0.20	15.1	30.5
28.71	5.0E-05	0.00	30.8	3.03	6	36.5	146.0	182.5	35.9	36	38.4	6.0	-0.19	14.3	28.6
28.87	5.0E-05	0.01	31.9	2.91	6	37.9	147.0	184.9	34.8	36	39.5	6.0	-0.19	14.7	29.5
29.04	5.0E-05	0.01	31.1	2.90	6	37.0	148.0	184.9	35.2	36	38.8	6.0	-0.18	14.5	29.0
29.20	5.0E-05	0.01	34.3	2.83	6	40.8	125.9	166.7	33.3	36	41.6	6.0	-0.19	14.3	30.3
29.36	5.0E-04	0.00	49.1	1.83	7	58.1	54.4	112.5	23.1	38	51.7	1.0	-0.18	8.2	27.2
29.53	5.0E-03	0.00	80.4	1.18	9	94.7	28.9	123.6	13.8	42	65.7	1.0	-0.18	4.0	27.1
29.69	5.0E-02	0.00	95.0	0.97	9	112.0	20.9	132.9	10.9	42	70.5	1.0	-0.18	2.4	24.3
29.86	5.0E-02	0.00	101.7	0.98	9	120.2	20.1	140.3	10.4	42	72.5	1.0	-0.19	2.3	25.8
30.02	5.0E-02	0.00	105.0	1.05	9	124.4	21.7	146.2	10.6	42	73.5	1.0	-0.20	2.5	26.9
30.18	5.0E-03	0.00	101.7	1.35	9	120.9	31.2	152.1	12.7	42	72.7	1.0	-0.22	4.4	33.9
30.35	5.0E-03	0.00	89.2	1.34	9	106.5	32.6	139.0	13.8	42	69.1	1.0	-0.20	4.5	30.5
30.51	5.0E-03	0.00	87.5	1.42	7	104.9	35.4	140.3	14.5	42	68.6	1.0	-0.21	4.8	30.5
30.68	5.0E-02	0.00	123.7	1.07	9	148.0	19.9	167.9	9.4	42	78.5	1.0	-0.21	2.3	31.3
30.84	5.0E-03	0.00	104.2	1.25	9	125.3	28.2	153.5	11.9	42	73.7	1.0	-0.21	4.0	34.6
31.00	5.0E-05	0.00	56.0	2.64	7	68.1	82.9	151.1	25.6	40	56.3	10.0	-0.24	13.9	40.6
31.17	5.0E-05	0.00	52.1	3.21	6	63.6	112.9	176.5	29.0	38	54.3	10.0	-0.27	16.6	41.5
31.33	5.0E-06	0.00	32.3	4.20	6	40.0	160.0	200.0	40.0	UnDef	UnDef	6.0	UnDef	19.6	39.2
31.50	5.0E-07	0.00	22.6	4.40	1	28.4	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
31.66	5.0E-02	0.00	103.1	0.97	9	125.6	20.3	145.9	10.2	42	73.8	1.0	-0.19	2.3	26.9
31.82	5.0E-02	0.00	156.3	0.81	9	190.2	6.4	196.6	6.2	44	85.7	1.0	-0.21	0.8	38.0
31.99	5.0E+00	0.00	171.4	0.01	10	209.2	0.0	209.2	3.2	44	88.4	1.0	0.15	0.0	34.1
32.15	5.0E+00	0.00	214.7	0.01	10	262.6	0.0	262.6	3.0	46	94.9	1.0	0.13	0.0	42.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5385
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-39
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 16:12
CPT File: 315CP39.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	3.9	0.02	0.51	0.1	1	74.5	0.01	0.01	0.00	2.00	1.9	3.7	0.31	0.00
0.33	6.8	0.02	0.30	-0.1	1	74.5	0.01	0.01	0.00	2.00	3.2	6.5	0.54	0.00
0.49	9.6	0.02	0.21	-0.2	6	98.7	0.02	0.02	0.00	2.00	3.7	7.4	0.77	0.00
0.66	11.4	0.02	0.18	-0.3	6	98.7	0.03	0.03	0.00	2.00	4.4	8.7	0.91	0.00
0.82	13.0	0.02	0.15	-0.2	6	98.7	0.04	0.04	0.00	2.00	5.0	9.9	1.03	0.00
0.98	13.4	0.02	0.15	-0.5	6	98.7	0.04	0.04	0.00	2.00	5.1	10.3	1.07	0.00
1.15	13.3	0.02	0.15	-0.5	6	98.7	0.05	0.05	0.00	2.00	5.1	10.2	1.06	0.00
31	14.4	0.16	1.11	-0.6	6	98.7	0.06	0.06	0.00	2.00	5.5	11.1	1.15	0.00
.48	24.5	0.49	2.01	-0.6	6	98.7	0.07	0.07	0.00	2.00	9.4	18.7	1.95	0.09
1.64	75.4	0.92	1.22	-1.0	8	101.8	0.08	0.08	0.00	2.00	18.0	36.1	UnDef	0.36
1.80	51.3	0.97	1.90	0.3	7	98.7	0.08	0.08	0.00	2.00	16.4	32.7	UnDef	0.00
1.97	37.8	0.66	1.75	-0.7	6	98.7	0.09	0.09	0.00	2.00	14.5	29.0	3.02	0.12
2.13	28.7	0.20	0.70	0.0	7	98.7	0.10	0.10	0.00	2.00	9.2	18.4	UnDef	0.10
2.30	23.2	0.11	0.48	-0.3	7	98.7	0.11	0.11	0.00	2.00	7.4	14.8	UnDef	0.09
2.46	21.3	0.17	0.80	-0.3	6	98.7	0.12	0.12	0.00	2.00	8.2	16.3	1.70	0.09
2.62	22.6	0.35	1.56	-0.1	6	98.7	0.12	0.12	0.00	2.00	8.6	17.3	1.79	0.09
2.79	21.1	0.46	2.18	-0.1	6	98.7	0.13	0.13	0.00	2.00	8.1	16.2	1.68	0.09
2.95	21.0	0.44	2.11	0.0	6	98.7	0.14	0.14	0.00	2.00	8.0	16.1	1.66	0.09
3.12	20.5	0.38	1.86	0.1	6	98.7	0.15	0.15	0.00	2.00	7.9	15.7	1.63	0.09
3.28	17.3	0.30	1.74	2.4	6	98.7	0.16	0.16	0.00	2.00	6.6	13.3	1.37	0.09
3.44	20.6	0.33	1.60	-1.9	6	98.7	0.17	0.17	0.00	2.00	7.9	15.8	1.64	0.09
3.61	20.7	0.33	1.60	-0.6	6	98.7	0.17	0.17	0.00	2.00	7.9	15.9	1.64	0.09
3.77	18.9	0.34	1.80	0.0	6	98.7	0.18	0.18	0.00	2.00	7.2	14.5	1.50	0.09
3.94	18.4	0.27	1.47	-1.5	6	98.7	0.19	0.19	0.00	2.00	7.0	14.1	1.46	0.09
4.10	16.6	0.24	1.45	-2.2	6	98.7	0.20	0.20	0.00	2.00	6.4	12.7	1.31	0.09
4.27	16.2	0.21	1.30	-1.2	6	98.7	0.21	0.21	0.00	2.00	6.2	12.4	1.28	0.09
4.43	15.8	0.20	1.27	2.4	6	98.7	0.21	0.21	0.00	2.00	6.0	12.1	1.25	0.09
4.59	13.6	0.18	1.33	-0.2	6	98.7	0.22	0.22	0.00	2.00	5.2	10.4	1.07	0.09
4.76	13.2	0.15	1.14	-0.2	6	98.7	0.23	0.23	0.00	2.00	5.1	10.1	1.04	0.08
4.92	12.7	0.14	1.11	0.1	6	98.7	0.24	0.24	0.00	2.00	4.8	9.7	0.99	0.08
5.09	14.5	0.14	0.97	5.0	6	98.7	0.25	0.25	0.00	2.00	5.5	11.1	1.14	0.09
5.25	14.8	0.16	1.08	6.0	6	98.7	0.25	0.25	0.00	1.98	5.7	11.3	1.17	0.09
5.41	14.7	0.16	1.09	4.3	6	98.7	0.26	0.26	0.00	1.95	5.6	11.0	1.16	0.09
5.58	12.5	0.17	1.36	6.8	6	98.7	0.27	0.27	0.00	1.92	4.8	9.2	0.98	0.09
5.74	12.9	0.24	1.86	8.2	5	85.3	0.28	0.28	0.00	1.90	6.2	11.8	1.01	0.09
5.91	14.7	0.25	1.71	11.3	6	98.7	0.29	0.29	0.00	1.87	5.6	10.5	1.15	0.09
6.07	15.6	0.26	1.67	21.3	6	98.7	0.29	0.29	0.00	1.85	6.0	11.0	1.23	0.09
6.23	15.6	0.24	1.55	21.8	6	98.7	0.30	0.30	0.00	1.82	6.0	10.9	1.22	0.09
.40	15.5	0.24	1.55	31.2	6	98.7	0.31	0.31	0.00	1.80	6.0	10.7	1.22	0.09
56	16.3	0.24	1.47	33.2	6	98.7	0.32	0.32	0.00	1.77	6.2	11.1	1.28	0.09
.73	18.2	0.26	1.43	37.8	6	98.7	0.33	0.33	0.00	1.75	7.0	12.2	1.43	0.09
6.89	16.3	0.24	1.48	40.3	6	98.7	0.33	0.33	0.00	1.73	6.2	10.8	1.28	0.09

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›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	16.0	0.24	1.51	43.7	6	98.7	0.34	0.34	0.00	1.71	6.1	10.5	1.25	0.09
7.22	16.1	0.21	1.31	46.8	6	98.7	0.35	0.35	0.00	1.69	6.2	10.4	1.26	0.09
7.38	18.8	0.24	1.28	50.3	6	98.7	0.36	0.36	0.00	1.67	7.2	12.0	1.47	0.09
7.55	18.7	0.24	1.29	44.9	6	98.7	0.37	0.37	0.00	1.65	7.2	11.8	1.46	0.09
7.71	19.2	0.24	1.25	42.8	6	98.7	0.37	0.37	0.00	1.63	7.4	12.0	1.51	0.09
7.87	18.4	0.22	1.20	42.1	6	98.7	0.38	0.38	0.00	1.62	7.0	11.4	1.44	0.09
8.04	17.7	0.22	1.25	37.8	6	98.7	0.39	0.39	0.00	1.60	6.8	10.8	1.38	0.09
8.20	15.8	0.20	1.27	34.7	6	98.7	0.40	0.40	0.00	1.58	6.1	9.6	1.23	0.09
8.37	15.9	0.22	1.39	36.0	6	98.7	0.41	0.41	0.00	1.57	6.1	9.5	1.24	0.09
8.53	16.3	0.21	1.29	37.9	6	98.7	0.42	0.42	0.00	1.55	6.2	9.7	1.27	0.09
8.69	17.0	0.25	1.48	32.9	6	98.7	0.42	0.42	0.00	1.54	6.5	10.0	1.32	0.09
8.86	17.8	0.31	1.75	26.5	6	98.7	0.43	0.43	0.00	1.52	6.8	10.4	1.39	0.10
9.02	17.1	0.32	1.87	31.5	6	98.7	0.44	0.44	0.00	1.51	6.6	9.9	1.34	0.10
9.19	20.3	0.29	1.43	27.1	6	98.7	0.45	0.45	0.00	1.50	7.8	11.6	1.59	0.10
9.35	23.8	0.36	1.52	21.5	6	98.7	0.46	0.46	0.00	1.48	9.1	13.5	1.87	0.10
9.51	20.6	0.37	1.80	12.0	6	98.7	0.46	0.46	0.00	1.47	7.9	11.6	1.61	0.10
9.68	18.5	0.36	1.95	16.6	6	98.7	0.47	0.47	0.00	1.46	7.1	10.3	1.45	0.11
9.84	26.5	0.24	0.91	18.9	7	98.7	0.48	0.48	0.00	1.44	8.5	12.2	UnDef	0.09
10.01	29.8	0.26	0.87	0.6	7	98.7	0.49	0.49	0.00	1.43	9.5	13.6	UnDef	0.10
10.17	31.6	0.30	0.95	-1.3	7	98.7	0.50	0.50	0.00	1.42	10.1	14.3	UnDef	0.10
10.33	33.2	0.40	1.21	-1.2	7	98.7	0.50	0.50	0.00	1.41	10.6	14.9	UnDef	0.11
10.50	33.8	0.48	1.42	-2.1	7	98.7	0.51	0.51	0.00	1.40	10.8	15.1	UnDef	0.11
10.66	31.9	0.46	1.44	-1.4	6	98.7	0.52	0.52	0.00	1.39	12.2	17.0	2.51	0.11
10.83	25.5	0.50	1.97	-1.6	6	98.7	0.53	0.53	0.00	1.38	9.8	13.4	2.00	0.11
10.99	18.9	0.41	2.17	-1.2	6	98.7	0.54	0.54	0.00	1.37	7.2	9.9	1.47	0.12
11.15	18.0	0.35	1.95	3.0	6	98.7	0.54	0.54	0.00	1.36	6.9	9.4	1.40	0.11
11.32	22.5	0.32	1.42	7.3	6	98.7	0.55	0.55	0.00	1.35	8.6	11.6	1.76	0.10
11.48	30.1	0.35	1.17	3.8	7	98.7	0.56	0.56	0.00	1.34	9.6	12.8	UnDef	0.10
11.65	32.2	0.34	1.06	-1.4	7	98.7	0.57	0.57	0.00	1.33	10.3	13.6	UnDef	0.10
.81	36.8	0.32	0.87	-1.5	7	98.7	0.58	0.58	0.00	1.32	11.7	15.5	UnDef	0.10
.97	42.3	0.25	0.59	-1.3	7	98.7	0.58	0.58	0.00	1.31	13.5	17.7	UnDef	0.10
12.14	42.3	0.28	0.66	-1.2	7	98.7	0.59	0.59	0.00	1.30	13.5	17.5	UnDef	0.10
12.30	38.4	0.29	0.76	-1.4	7	98.7	0.60	0.60	0.00	1.29	12.3	15.8	UnDef	0.10
12.47	33.2	0.42	1.27	-1.4	7	98.7	0.61	0.61	0.00	1.28	10.6	13.6	UnDef	0.11
12.63	31.6	0.60	1.90	-1.2	6	98.7	0.62	0.62	0.00	1.27	12.1	15.4	2.48	0.12
12.80	30.5	0.72	2.36	-1.4	6	98.7	0.63	0.63	0.00	1.26	11.7	14.8	2.39	0.15
12.96	30.7	0.69	2.25	0.1	6	98.7	0.63	0.63	0.00	1.26	11.8	14.8	2.41	0.14
13.12	26.8	0.58	2.17	4.2	6	98.7	0.64	0.64	0.00	1.25	10.3	12.8	2.09	0.13
13.29	25.8	0.47	1.83	7.7	6	98.7	0.65	0.65	0.00	1.24	9.9	12.3	2.01	0.12
13.45	29.8	0.46	1.55	10.8	6	98.7	0.66	0.66	0.00	1.23	11.4	14.1	2.33	0.11
13.62	39.8	0.53	1.34	10.1	7	98.7	0.67	0.67	0.00	1.23	12.7	15.6	UnDef	0.12
13.78	41.8	0.75	1.80	-2.3	7	98.7	0.67	0.67	0.00	1.22	13.4	16.3	UnDef	0.14
13.94	35.3	0.75	2.13	0.0	6	98.7	0.68	0.68	0.00	1.21	13.5	16.4	2.77	0.14
14.11	29.0	0.72	2.49	-0.3	6	98.7	0.69	0.69	0.00	1.20	11.1	13.4	2.26	0.17
14.27	26.5	0.60	2.27	-0.2	6	98.7	0.70	0.70	0.00	1.20	10.2	12.2	2.07	0.15
14.44	32.6	0.58	1.78	-1.4	6	98.7	0.71	0.71	0.00	1.19	12.5	14.9	2.55	0.12
14.60	39.7	0.72	1.82	-2.1	6	98.7	0.71	0.71	0.00	1.18	15.2	18.0	3.12	0.13
14.76	35.4	0.78	2.21	-2.8	6	98.7	0.72	0.72	0.00	1.18	13.6	16.0	2.78	0.15
14.93	35.6	0.82	2.31	-2.3	6	98.7	0.73	0.73	0.00	1.17	13.6	15.9	2.79	0.16
15.09	36.6	0.85	2.33	-3.4	6	98.7	0.74	0.74	0.00	1.16	14.0	16.3	2.87	0.16
15.26	37.2	0.66	1.78	-0.7	6	98.7	0.75	0.75	0.00	1.16	14.2	16.5	2.91	0.13
15.42	42.5	0.42	0.99	0.0	7	98.7	0.75	0.75	0.00	1.15	13.6	15.6	UnDef	0.11
15.58	42.9	0.44	1.03	-1.4	7	98.7	0.76	0.76	0.00	1.14	13.7	15.7	UnDef	0.11
15.75	38.2	0.62	1.63	-1.4	7	98.7	0.77	0.77	0.00	1.14	12.2	13.9	UnDef	0.13
15.91	30.0	0.67	2.24	-0.9	6	98.7	0.78	0.78	0.00	1.13	11.5	13.0	2.34	0.16
16.08	26.6	0.64	2.41	1.6	6	98.7	0.79	0.79	0.00	1.13	10.2	11.5	2.07	0.20
16.24	25.8	0.41	1.59	3.2	6	98.7	0.80	0.80	0.00	1.12	9.9	11.1	2.00	0.12
16.40	23.7	0.37	1.57	5.5	6	98.7	0.80	0.80	0.00	1.12	9.1	10.1	1.83	0.12
16.57	23.5	0.34	1.45	7.8	6	98.7	0.81	0.81	0.00	1.11	9.0	10.0	1.81	0.11
16.73	24.5	0.35	1.43	11.2	6	98.7	0.82	0.82	0.00	1.10	9.4	10.4	1.90	0.11
.90	25.5	0.35	1.38	13.3	6	98.7	0.83	0.83	0.00	1.10	9.8	10.7	1.97	0.11
06	23.7	0.35	1.48	16.6	6	98.7	0.84	0.84	0.00	1.09	9.1	9.9	1.83	0.12
.22	25.6	0.34	1.33	18.7	6	98.7	0.84	0.84	0.00	1.09	9.8	10.7	1.98	0.11
17.39	27.9	0.39	1.40	20.7	6	98.7	0.85	0.85	0.00	1.08	10.7	11.6	2.16	0.11

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pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	28.1	0.40	1.42	20.7	6	98.7	0.86	0.86	0.00	1.08	10.8	11.6	2.18	0.11
17.72	29.9	0.44	1.47	22.9	6	98.7	0.87	0.87	0.00	1.07	11.5	12.3	2.33	0.12
17.88	30.8	0.50	1.63	7.6	6	98.7	0.88	0.88	0.00	1.07	11.8	12.6	2.40	0.12
18.04	31.5	0.52	1.65	10.3	6	98.7	0.88	0.88	0.00	1.06	12.1	12.9	2.45	0.13
18.21	32.1	0.47	1.47	13.5	6	98.7	0.89	0.89	0.00	1.06	12.3	13.0	2.50	0.12
18.37	35.4	0.39	1.10	10.9	7	98.7	0.90	0.90	0.00	1.05	11.3	11.9	UnDef	0.11
18.54	35.7	0.43	1.21	1.7	7	98.7	0.91	0.91	0.00	1.05	11.4	12.0	UnDef	0.11
18.70	27.9	0.39	1.40	0.0	6	98.7	0.92	0.92	0.00	1.04	10.7	11.2	2.16	0.12
18.86	25.9	0.43	1.66	3.7	6	98.7	0.92	0.92	0.00	1.04	9.9	10.3	2.00	0.14
19.03	28.3	0.46	1.63	3.4	6	98.7	0.93	0.93	0.00	1.04	10.8	11.2	2.19	0.13
19.19	26.7	0.45	1.69	12.6	6	98.7	0.94	0.94	0.00	1.03	10.2	10.5	2.06	0.14
19.36	24.6	0.49	1.99	20.7	6	98.7	0.95	0.95	0.00	1.03	9.4	9.7	1.89	0.22
19.52	24.0	0.38	1.59	27.4	6	98.7	0.96	0.96	0.00	1.02	9.2	9.4	1.84	0.15
19.68	21.4	0.30	1.40	31.5	6	98.7	0.97	0.97	0.00	1.02	8.2	8.4	1.64	0.14
19.85	21.6	0.24	1.12	35.7	6	98.7	0.97	0.97	0.00	1.01	8.3	8.4	1.65	0.11
20.01	27.1	0.33	1.22	40.7	6	98.7	0.98	0.98	0.00	1.01	10.4	10.5	2.09	0.11
20.18	28.5	0.36	1.27	0.7	6	98.7	0.99	0.99	0.00	1.01	10.9	11.0	2.20	0.11
20.34	24.6	0.33	1.34	2.5	6	98.7	1.00	1.00	0.00	1.00	9.4	9.4	1.89	0.12
20.51	20.7	0.24	1.16	7.3	6	98.7	1.01	1.01	0.00	1.00	7.9	7.9	1.57	0.12
20.67	20.8	0.27	1.30	10.6	6	98.7	1.01	1.01	0.00	0.99	8.0	7.9	1.58	0.14
20.83	20.4	0.25	1.23	14.2	6	98.7	1.02	1.02	0.00	0.99	7.8	7.7	1.55	0.13
21.00	22.0	0.32	1.46	19.3	6	98.7	1.03	1.03	0.00	0.99	8.4	8.3	1.68	0.17
21.16	31.3	0.41	1.31	23.7	7	98.7	1.04	1.04	0.00	0.98	10.0	9.8	UnDef	0.12
21.33	32.8	0.50	1.53	6.6	6	98.7	1.05	1.05	0.00	0.98	12.6	12.3	2.54	0.13
21.49	29.5	0.47	1.60	4.7	6	98.7	1.05	1.05	0.00	0.97	11.3	11.0	2.28	0.14
21.65	35.6	0.56	1.58	7.3	6	98.7	1.06	1.06	0.00	0.97	13.6	13.2	2.76	0.14
21.82	33.9	0.48	1.42	5.2	7	98.7	1.07	1.07	0.00	0.97	10.8	10.5	UnDef	0.13
21.98	26.7	0.57	2.14	8.1	6	98.7	1.08	1.08	0.00	0.96	10.2	9.9	2.05	0.27
22.15	27.5	0.38	1.39	9.6	6	98.7	1.09	1.09	0.00	0.96	10.5	10.1	2.11	0.13
.31	43.3	0.42	0.97	3.3	7	98.7	1.09	1.09	0.00	0.96	13.8	13.2	UnDef	0.11
.47	48.2	0.60	1.25	-0.7	7	98.7	1.10	1.10	0.00	0.95	15.4	14.6	UnDef	0.13
22.64	44.9	0.86	1.92	-0.2	6	98.7	1.11	1.11	0.00	0.95	17.2	16.3	3.50	0.17
22.80	46.3	1.04	2.25	-0.1	6	98.7	1.12	1.12	0.00	0.95	17.7	16.8	3.62	0.22
22.97	54.2	0.82	1.52	1.9	7	98.7	1.13	1.13	0.00	0.94	17.3	16.3	UnDef	0.15
23.13	70.8	0.67	0.95	-0.6	8	101.8	1.14	1.14	0.00	0.94	17.0	15.9	UnDef	0.14
23.29	69.8	0.55	0.79	-1.1	8	101.8	1.14	1.14	0.00	0.94	16.7	15.6	UnDef	0.13
23.46	67.4	0.74	1.10	-0.7	8	101.8	1.15	1.15	0.00	0.93	16.1	15.0	UnDef	0.15
23.62	55.7	1.11	2.00	-0.7	7	98.7	1.16	1.16	0.00	0.93	17.8	16.5	UnDef	0.20
23.79	41.1	1.25	3.05	-0.7	5	85.3	1.17	1.17	0.00	0.93	19.7	18.2	3.20	0.00
23.95	41.0	1.04	2.55	0.6	6	98.7	1.18	1.18	0.00	0.92	15.7	14.5	3.18	0.33
24.11	48.3	0.76	1.58	-0.1	7	98.7	1.18	1.18	0.00	0.92	15.4	14.2	UnDef	0.15
24.28	83.7	0.77	0.92	-0.7	8	101.8	1.19	1.19	0.00	0.92	20.0	18.4	UnDef	0.16
24.44	156.6	0.02	0.01	-1.2	9	101.8	1.20	1.20	0.00	0.91	30.0	27.4	UnDef	0.33
24.61	209.1	0.02	0.01	-1.1	10	127.3	1.21	1.21	0.00	0.91	33.4	30.3	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5385
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-39
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 16:12
CPT File: 315CP39.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	637.5	0.51	10	7.5	0.0	7.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	3.7
0.33	1.7E-07	0.00	553.6	0.30	10	13.0	0.0	13.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.5
0.49	5.0E-05	0.00	498.1	0.21	10	18.5	0.0	18.5	0.0	48	56.2	10.0	-0.19	0.0	7.4
0.66	5.0E-05	0.00	413.7	0.18	10	21.8	0.0	21.8	0.0	48	55.9	10.0	-0.16	0.0	8.7
0.82	5.0E-05	0.00	364.3	0.15	10	24.8	0.0	24.8	0.0	48	56.0	10.0	-0.14	0.0	9.9
0.98	5.0E-05	0.00	306.6	0.15	10	25.7	0.0	25.7	0.0	46	54.0	10.0	-0.12	0.0	10.3
1.15	5.0E-05	0.00	256.1	0.15	10	25.5	0.0	25.5	0.0	46	51.3	10.0	-0.11	0.0	10.2
1.31	5.0E-05	0.00	240.4	1.12	9	27.6	0.4	28.1	5.6	46	51.5	10.0	-0.28	0.1	11.2
.48	5.0E-05	0.00	359.5	2.01	9	46.9	3.6	50.4	7.6	48	64.9	10.0	-0.40	0.9	19.6
.64	5.0E-03	0.00	989.6	1.22	9	144.4	0.0	144.4	1.4	50	95.0	1.0	-0.43	0.0	36.1
1.80	5.0E-04	0.00	607.4	1.90	12	98.2	UnDef	UnDef	0.0	50	83.0	1.0	-0.45	UnDef	UnDef
1.97	5.0E-05	0.00	408.2	1.75	9	72.4	2.1	74.6	6.1	48	72.9	10.0	-0.39	0.5	29.5
2.13	5.0E-04	0.00	285.1	0.70	9	55.1	0.0	55.1	2.4	46	63.9	1.0	-0.25	0.0	18.4
2.30	5.0E-04	0.00	212.5	0.48	9	44.4	0.0	44.4	2.2	46	56.6	1.0	-0.19	0.0	14.8
2.46	5.0E-05	0.00	181.8	0.80	9	40.9	0.3	41.1	5.3	44	53.2	10.0	-0.22	0.1	16.4
2.62	5.0E-05	0.00	179.7	1.56	9	43.2	6.0	49.2	9.6	44	53.8	10.0	-0.29	1.4	18.7
2.79	5.0E-05	0.00	158.1	2.19	7	40.5	11.6	52.0	13.3	44	51.0	10.0	-0.33	2.6	18.8
2.95	5.0E-05	0.00	147.6	2.12	7	40.1	11.8	51.9	13.5	44	49.9	10.0	-0.32	2.7	18.7
3.12	5.0E-05	0.00	136.6	1.87	9	39.3	10.7	50.0	13.0	44	48.5	10.0	-0.29	2.4	18.1
3.28	5.0E-05	0.00	109.2	1.75	7	33.2	10.9	44.1	14.3	42	42.9	10.0	-0.26	2.4	15.7
3.44	5.0E-05	0.00	123.8	1.62	9	39.5	9.9	49.4	12.5	42	47.2	10.0	-0.26	2.3	18.1
3.61	5.0E-05	0.00	118.4	1.61	9	39.6	10.5	50.2	12.9	42	46.6	10.0	-0.25	2.4	18.3
3.77	5.0E-05	0.00	103.2	1.82	7	36.2	13.4	49.6	15.1	42	43.4	10.0	-0.25	2.9	17.4
3.94	5.0E-05	0.00	96.0	1.49	9	35.2	11.1	46.3	14.0	42	42.0	10.0	-0.22	2.5	16.6
4.10	5.0E-05	0.00	83.0	1.47	7	31.8	11.9	43.7	15.2	42	38.4	10.0	-0.21	2.6	15.3
4.27	5.0E-05	0.00	77.9	1.31	7	31.1	11.2	42.3	14.9	40	37.2	10.0	-0.19	2.5	14.9
4.43	5.0E-05	0.00	72.9	1.29	7	30.2	11.6	41.9	15.4	40	35.9	10.0	-0.18	2.5	14.6
4.59	5.0E-05	0.00	60.3	1.35	7	26.1	13.5	39.5	17.8	40	31.1	10.0	-0.17	2.8	13.2
4.76	5.0E-05	0.00	56.5	1.16	7	25.3	12.2	37.5	17.2	40	30.0	10.0	-0.15	2.6	12.7
4.92	5.0E-05	0.00	52.1	1.13	7	24.2	12.7	36.9	17.9	38	30.0	10.0	-0.14	2.7	12.4
5.09	5.0E-05	0.01	57.7	0.99	7	27.7	11.1	38.8	15.7	40	31.3	10.0	-0.13	2.4	13.5
5.25	5.0E-05	0.01	57.4	1.10	7	28.4	12.8	41.2	16.6	40	31.6	10.0	-0.14	2.7	14.0
5.41	5.0E-05	0.01	55.1	1.11	7	28.1	13.5	41.6	17.1	40	30.9	10.0	-0.14	2.8	13.8
5.58	5.0E-05	0.02	45.2	1.39	7	23.5	18.4	41.9	21.4	38	30.0	6.0	-0.14	3.5	12.7
5.74	5.0E-06	0.02	45.5	1.90	7	24.0	26.0	50.0	24.5	UnDef	UnDef	6.0	UnDef	5.7	17.4
5.91	5.0E-05	0.02	50.4	1.74	7	26.9	23.0	49.9	22.3	38	30.0	10.0	-0.17	4.3	14.8
6.07	5.0E-05	0.04	52.2	1.70	7	28.2	22.4	50.7	21.6	38	31.0	10.0	-0.17	4.2	15.3
6.23	5.0E-05	0.04	50.6	1.58	7	27.7	21.2	48.9	21.2	38	30.5	10.0	-0.16	4.0	14.9
6.40	5.0E-05	0.06	49.2	1.58	7	27.3	21.7	49.1	21.6	38	30.1	6.0	-0.16	4.1	14.8
6.56	5.0E-05	0.06	50.3	1.50	7	28.3	20.8	49.1	20.8	38	31.1	10.0	-0.15	4.0	15.1
.73	5.0E-05	0.07	54.8	1.46	7	31.2	19.8	51.0	19.6	40	33.9	10.0	-0.16	3.9	16.1
6.89	5.0E-05	0.08	47.8	1.51	7	27.6	21.7	49.3	21.5	38	30.4	6.0	-0.15	4.1	14.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.09	45.7	1.54	7	26.7	22.8	49.6	22.2	38	30.0	6.0	-0.14	4.2	14.7
7.22	5.0E-05	0.09	45.0	1.33	7	26.7	20.1	46.7	21.1	38	30.0	6.0	-0.13	3.8	14.3
7.38	5.0E-05	0.09	51.4	1.31	7	30.7	19.0	49.6	19.3	38	33.4	10.0	-0.14	3.8	15.8
7.55	5.0E-05	0.08	50.0	1.31	7	30.2	19.5	49.7	19.7	38	32.9	6.0	-0.14	3.8	15.7
7.71	5.0E-05	0.07	50.4	1.28	7	30.8	19.0	49.8	19.3	38	33.5	10.0	-0.14	3.8	15.8
7.87	5.0E-05	0.07	47.1	1.22	7	29.1	18.9	48.0	19.8	38	31.9	6.0	-0.13	3.7	15.1
8.04	5.0E-05	0.07	44.2	1.28	7	27.7	20.4	48.1	20.9	38	30.5	6.0	-0.12	3.9	14.7
8.20	5.0E-05	0.07	38.6	1.30	7	24.5	22.2	46.7	22.8	38	30.0	6.0	-0.11	4.1	13.7
8.37	5.0E-05	0.07	38.0	1.42	7	24.4	24.8	49.2	23.9	38	30.0	6.0	-0.12	4.4	13.9
8.53	5.0E-05	0.07	38.2	1.33	7	24.7	23.2	48.0	23.1	38	30.0	6.0	-0.11	4.2	13.9
8.69	5.0E-05	0.06	39.1	1.52	7	25.5	26.7	52.2	24.1	38	30.0	6.0	-0.13	4.7	14.7
8.86	5.0E-05	0.05	40.2	1.79	7	26.5	32.0	58.5	25.5	38	30.0	6.0	-0.15	5.4	15.8
9.02	5.0E-05	0.06	38.0	1.92	7	25.3	36.2	61.5	27.0	38	30.0	6.0	-0.15	5.8	15.7
9.19	5.0E-05	0.04	44.4	1.46	7	29.7	25.0	54.8	22.1	38	32.5	6.0	-0.14	4.7	16.3
9.35	5.0E-05	0.03	51.2	1.55	7	34.5	25.4	59.9	20.9	38	36.8	10.0	-0.16	4.9	18.4
9.51	5.0E-05	0.02	43.5	1.84	7	29.6	33.0	62.6	24.7	38	32.4	6.0	-0.16	5.7	17.3
9.68	5.0E-05	0.03	38.3	2.00	7	26.4	39.1	65.6	27.4	38	30.0	6.0	-0.16	6.2	16.5
9.84	5.0E-04	0.02	54.2	0.93	7	37.4	15.3	52.7	15.9	40	39.1	1.0	-0.12	2.7	14.9
10.01	5.0E-04	0.00	60.2	0.89	9	41.8	14.2	56.0	14.5	40	42.3	1.0	-0.13	2.6	16.2
10.17	5.0E-04	0.00	62.6	0.97	9	43.8	15.3	59.2	14.7	40	43.6	1.0	-0.14	2.8	17.1
10.33	5.0E-04	0.00	64.9	1.23	7	45.8	19.5	65.2	16.2	40	44.9	1.0	-0.17	3.4	18.4
10.50	5.0E-04	0.00	65.0	1.45	7	46.2	23.4	69.6	17.6	40	45.1	1.0	-0.18	4.0	19.1
10.66	5.0E-05	0.00	60.4	1.47	7	43.3	24.4	67.8	18.5	40	43.3	10.0	-0.18	4.9	21.9
10.83	5.0E-05	0.00	47.2	2.01	7	34.3	37.6	72.0	24.6	38	36.6	6.0	-0.18	6.5	20.0
10.99	5.0E-05	0.00	34.2	2.24	7	25.3	52.8	78.0	30.3	36	30.0	6.0	-0.16	7.2	17.1
11.15	5.0E-05	0.01	32.1	2.01	7	23.9	48.0	71.9	30.0	36	30.0	6.0	-0.14	6.7	16.1
11.32	5.0E-05	0.01	39.8	1.46	7	29.6	29.1	58.7	23.5	38	32.4	6.0	-0.13	5.2	16.8
11.48	5.0E-04	0.00	52.7	1.19	7	39.4	21.4	60.7	18.2	38	40.5	1.0	-0.14	3.6	16.5
11.65	5.0E-04	0.00	55.6	1.08	7	41.8	19.2	60.9	16.8	40	42.3	1.0	-0.14	3.3	17.0
81	5.0E-04	0.00	62.8	0.89	9	47.4	15.1	62.5	14.0	40	45.9	1.0	-0.13	2.7	18.2
.97	5.0E-04	0.00	71.4	0.60	9	54.2	9.1	63.3	10.4	40	49.7	1.0	-0.11	1.7	19.4
12.14	5.0E-04	0.00	70.3	0.67	9	53.7	10.6	64.4	11.2	40	49.5	1.0	-0.12	2.0	19.5
12.30	5.0E-04	0.00	62.9	0.77	9	48.5	13.3	61.8	13.1	40	46.5	1.0	-0.12	2.5	18.3
12.47	5.0E-04	0.00	53.5	1.29	7	41.6	24.1	65.7	18.7	40	42.2	1.0	-0.15	4.0	17.6
12.63	5.0E-05	0.00	50.2	1.94	7	39.4	38.2	77.6	23.4	38	40.6	10.0	-0.19	6.9	22.3
12.80	5.0E-05	0.00	47.8	2.41	7	37.8	51.1	88.9	26.5	38	39.4	6.0	-0.21	8.3	23.1
12.96	5.0E-05	0.00	47.5	2.30	7	37.8	48.5	86.2	26.0	38	39.4	6.0	-0.20	8.0	22.8
13.12	5.0E-05	0.00	40.7	2.22	7	32.7	50.6	83.3	27.7	38	35.3	6.0	-0.18	7.8	20.7
13.29	5.0E-05	0.01	38.7	1.87	7	31.3	42.3	73.6	26.5	38	34.0	6.0	-0.15	6.9	19.1
13.45	5.0E-05	0.01	44.3	1.58	7	36.0	33.0	68.9	22.9	38	38.0	6.0	-0.15	6.0	20.1
13.62	5.0E-04	0.01	58.7	1.36	7	47.7	25.7	73.4	18.1	40	46.1	1.0	-0.16	4.4	19.9
13.78	5.0E-04	0.00	61.1	1.83	7	49.9	35.1	85.0	20.5	40	47.3	1.0	-0.20	5.7	21.9
13.94	5.0E-05	0.00	50.8	2.17	7	41.9	45.6	87.4	24.5	38	42.3	10.0	-0.20	7.9	24.3
14.11	5.0E-05	0.00	41.0	2.55	7	34.2	63.1	97.3	29.3	38	36.5	6.0	-0.20	9.1	22.5
14.27	5.0E-05	0.00	37.0	2.33	7	31.1	60.0	91.1	29.7	38	33.8	6.0	-0.17	8.5	20.7
14.44	5.0E-05	0.00	45.2	1.82	7	38.0	39.6	77.6	24.1	38	39.5	6.0	-0.17	7.0	21.8
14.60	5.0E-05	0.00	54.5	1.85	7	45.9	38.0	83.9	22.0	40	45.0	10.0	-0.19	7.1	25.1
14.76	5.0E-05	0.00	48.1	2.25	7	40.8	50.2	91.0	25.7	38	41.6	6.0	-0.20	8.4	24.4
14.93	5.0E-05	0.00	47.7	2.36	7	40.7	53.7	94.4	26.3	38	41.5	6.0	-0.21	8.8	24.7
15.09	5.0E-05	0.00	48.5	2.38	7	41.7	54.1	95.7	26.2	38	42.2	6.0	-0.21	8.9	25.2
15.26	5.0E-05	0.00	48.8	1.82	7	42.1	39.4	81.5	23.1	38	42.5	6.0	-0.18	7.1	23.6
15.42	5.0E-04	0.00	55.3	1.01	7	47.8	20.8	68.6	16.3	40	46.1	1.0	-0.13	3.6	19.3
15.58	5.0E-04	0.00	55.2	1.05	7	48.1	21.6	69.7	16.6	40	46.3	1.0	-0.14	3.8	19.5
15.75	5.0E-04	0.00	48.5	1.66	7	42.6	36.4	78.9	22.3	38	42.8	1.0	-0.17	5.6	19.5
15.91	5.0E-05	0.00	37.5	2.30	7	33.3	61.5	94.7	29.3	38	35.7	6.0	-0.17	8.9	21.9
16.08	5.0E-05	0.00	32.8	2.48	6	29.4	78.5	107.9	32.2	36	32.2	6.0	-0.17	9.6	21.1
16.24	5.0E-05	0.00	31.5	1.64	7	28.3	45.3	73.6	28.0	36	31.1	6.0	-0.12	6.9	18.0
16.40	5.0E-05	0.01	28.5	1.62	7	25.8	48.5	74.3	29.4	36	30.0	6.0	-0.11	7.0	17.1
16.57	5.0E-05	0.01	27.9	1.50	7	25.5	44.9	70.5	28.9	36	30.0	6.0	-0.10	6.6	16.6
16.73	5.0E-05	0.01	28.9	1.48	7	26.5	43.2	69.7	28.2	36	30.0	6.0	-0.10	6.6	16.9
90	5.0E-05	0.02	29.8	1.42	7	27.4	40.5	68.0	27.3	36	30.2	6.0	-0.10	6.4	17.1
06	5.0E-05	0.02	27.4	1.53	7	25.4	47.6	72.9	29.4	36	30.0	6.0	-0.10	6.8	16.8
.22	5.0E-05	0.02	29.4	1.37	7	27.3	39.7	67.1	27.2	36	30.1	6.0	-0.09	6.3	17.0
17.39	5.0E-05	0.02	31.7	1.45	7	29.6	40.2	69.8	26.6	36	32.3	6.0	-0.11	6.5	18.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	31.7	1.47	7	29.7	41.1	70.8	26.7	36	32.5	6.0	-0.11	6.6	18.3
17.72	5.0E-05	0.02	33.5	1.52	7	31.4	41.4	72.9	26.3	36	34.1	6.0	-0.12	6.8	19.1
17.88	5.0E-05	0.01	34.2	1.67	7	32.2	46.0	78.3	27.0	36	34.8	6.0	-0.13	7.3	20.0
18.04	5.0E-05	0.01	34.7	1.70	7	32.8	46.7	79.6	27.0	36	35.3	6.0	-0.13	7.5	20.3
18.21	5.0E-05	0.01	35.0	1.51	7	33.3	40.7	74.0	25.6	38	35.7	6.0	-0.12	6.8	19.9
18.37	5.0E-04	0.01	38.3	1.13	7	36.5	29.2	65.8	21.6	38	38.4	1.0	-0.11	4.6	16.5
18.54	5.0E-04	0.00	38.3	1.24	7	36.7	32.0	68.7	22.5	38	38.5	1.0	-0.11	4.9	16.9
18.70	5.0E-05	0.00	29.5	1.45	7	28.5	43.9	72.4	27.7	36	31.3	6.0	-0.10	6.8	18.0
18.86	5.0E-05	0.00	27.0	1.73	7	26.3	59.4	85.8	30.9	36	30.0	6.0	-0.11	7.9	18.2
19.03	5.0E-05	0.00	29.3	1.68	7	28.7	53.4	82.1	29.4	36	31.5	6.0	-0.11	7.7	18.9
19.19	5.0E-05	0.02	27.4	1.75	7	26.9	60.3	87.3	30.9	36	30.0	6.0	-0.11	8.0	18.6
19.36	5.0E-05	0.03	24.9	2.07	6	24.7	90.6	115.3	34.4	34	30.0	6.0	-0.11	9.4	19.0
19.52	5.0E-05	0.04	24.0	1.66	7	24.0	65.0	88.9	32.4	34	30.0	6.0	-0.09	7.9	17.3
19.68	5.0E-05	0.05	21.2	1.47	7	21.3	64.5	85.8	33.1	34	30.0	6.0	-0.07	7.4	15.8
19.85	5.0E-05	0.05	21.2	1.17	7	21.4	47.0	68.4	30.7	34	30.0	6.0	-0.05	6.3	14.7
20.01	5.0E-05	0.05	26.6	1.27	7	26.8	42.1	68.8	27.9	36	30.0	6.0	-0.08	6.5	17.0
20.18	5.0E-05	0.00	27.8	1.31	7	28.0	42.5	70.5	27.6	36	30.8	6.0	-0.09	6.6	17.6
20.34	5.0E-05	0.00	23.7	1.40	7	24.1	53.2	77.3	30.8	34	30.0	6.0	-0.08	7.1	16.6
20.51	5.0E-05	0.01	19.5	1.22	7	20.2	56.2	76.3	32.6	32	30.0	6.0	-0.05	6.7	14.6
20.67	5.0E-05	0.02	19.5	1.37	6	20.2	66.9	87.1	33.8	32	30.0	6.0	-0.05	7.3	15.2
20.83	5.0E-05	0.02	19.0	1.29	7	19.8	64.0	83.8	33.6	32	30.0	6.0	-0.05	7.1	14.8
21.00	5.0E-05	0.03	20.4	1.53	6	21.2	75.9	97.1	34.3	34	30.0	6.0	-0.07	7.9	16.2
21.16	5.0E-04	0.02	29.2	1.36	7	30.1	43.6	73.7	27.2	36	32.9	1.0	-0.09	5.8	15.6
21.33	5.0E-05	0.01	30.4	1.58	7	31.4	50.8	82.2	28.2	36	34.1	6.0	-0.11	7.7	20.0
21.49	5.0E-05	0.01	27.0	1.65	7	28.1	59.7	87.9	30.5	36	30.9	6.0	-0.10	8.2	19.2
21.65	5.0E-05	0.01	32.5	1.62	7	33.8	50.5	84.3	27.4	36	36.2	6.0	-0.12	7.9	21.2
21.82	5.0E-04	0.00	30.7	1.47	7	32.1	46.8	78.9	27.2	36	34.7	1.0	-0.11	6.2	16.6
21.98	5.0E-05	0.01	23.8	2.23	6	25.2	100.8	126.0	36.1	34	30.0	6.0	-0.12	9.9	19.7
22.15	5.0E-05	0.01	24.3	1.44	7	25.8	56.3	82.1	30.7	34	30.0	6.0	-0.08	7.6	17.7
31	5.0E-04	0.00	38.5	1.00	7	40.5	28.6	69.1	20.5	38	41.3	1.0	-0.10	4.6	17.8
.47	5.0E-04	0.00	42.7	1.28	7	44.9	34.8	79.7	21.4	38	44.3	1.0	-0.13	5.5	20.1
22.64	5.0E-05	0.00	39.4	1.97	7	41.7	58.1	99.7	26.8	38	42.2	6.0	-0.16	9.3	25.7
22.80	5.0E-05	0.00	40.4	2.31	7	42.8	70.5	113.4	28.3	38	43.0	6.0	-0.18	10.7	27.5
22.97	5.0E-04	0.00	47.1	1.55	7	50.0	41.2	91.2	21.9	38	47.4	1.0	-0.16	6.4	22.7
23.13	5.0E-03	0.00	61.4	0.96	9	65.1	23.3	88.3	14.9	40	55.0	1.0	-0.14	3.1	19.1
23.29	5.0E-03	0.00	60.0	0.80	9	63.8	19.7	83.5	13.8	40	54.4	1.0	-0.12	2.7	18.3
23.46	5.0E-03	0.00	57.5	1.12	7	61.4	28.0	89.4	16.7	40	53.3	1.0	-0.15	3.7	18.7
23.62	5.0E-04	0.00	47.0	2.04	7	50.6	56.9	107.6	24.8	38	47.8	1.0	-0.18	8.2	24.7
23.79	5.0E-06	0.00	34.2	3.14	6	37.3	143.3	180.5	34.7	UnDef	UnDef	6.0	UnDef	18.0	36.2
23.95	5.0E-05	0.00	33.8	2.62	6	37.0	102.0	139.0	32.5	36	38.7	6.0	-0.18	12.3	26.8
24.11	5.0E-04	0.00	39.8	1.62	7	43.4	47.4	90.9	24.6	38	43.4	1.0	-0.14	6.9	21.0
24.28	5.0E-03	0.00	69.2	0.94	9	75.0	21.9	96.9	13.5	40	59.0	1.0	-0.15	3.0	21.4
24.44	5.0E-02	0.00	129.5	0.01	10	139.9	0.0	139.9	3.0	44	76.9	1.0	0.15	0.0	27.4
24.61	5.0E+00	0.00	171.9	0.01	10	186.0	0.0	186.0	2.4	44	85.1	1.0	0.15	0.0	30.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5177
CPT File: 315CP34.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	79.0	1.60	7	89.2	39.4	128.7	16.5	42	64.0	1.0	-0.21	6.9	36.0
28.21	5.0E-03	0.00	102.0	1.38	9	115.3	30.6	145.9	12.9	42	71.4	1.0	-0.22	4.3	32.5
28.38	5.0E-02	0.00	130.7	0.01	10	147.9	0.0	147.9	3.3	44	78.5	1.0	0.16	0.0	29.0
28.54	5.0E+00	0.00	145.2	0.01	10	164.8	0.0	164.8	3.0	44	81.6	1.0	0.16	0.0	26.9

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5221
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-35
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 16:07
CPT File: 315CP35.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	5.5	0.02	0.36	-0.8	1	74.5	0.01	0.01	0.00	2.00	2.7	5.3	0.44	0.00
0.33	7.5	0.02	0.27	-0.7	1	74.5	0.01	0.01	0.00	2.00	3.6	7.2	0.60	0.00
0.49	10.8	0.02	0.19	-0.9	6	98.7	0.02	0.02	0.00	2.00	4.1	8.3	0.86	0.00
0.66	15.6	0.02	0.13	-0.8	6	98.7	0.03	0.03	0.00	2.00	6.0	12.0	1.25	0.00
0.82	18.8	0.02	0.11	-0.1	7	98.7	0.04	0.04	0.00	2.00	6.0	12.0	UnDef	0.08
0.98	21.6	0.02	0.09	-0.1	7	98.7	0.04	0.04	0.00	2.00	6.9	13.8	UnDef	0.09
1.15	25.6	0.02	0.08	0.0	7	98.7	0.05	0.05	0.00	2.00	8.2	16.3	UnDef	0.09
31	30.0	0.14	0.47	-0.5	7	98.7	0.06	0.06	0.00	2.00	9.6	19.2	UnDef	0.10
.48	29.1	0.42	1.45	-0.5	6	98.7	0.07	0.07	0.00	2.00	11.1	22.3	2.32	0.10
1.64	29.1	0.34	1.17	-0.3	7	98.7	0.08	0.08	0.00	2.00	9.3	18.6	UnDef	0.10
1.80	41.2	0.47	1.14	-1.2	7	98.7	0.08	0.08	0.00	2.00	13.2	26.3	UnDef	0.13
1.97	68.5	0.58	0.85	-0.5	8	101.8	0.09	0.09	0.00	2.00	16.4	32.8	UnDef	0.29
2.13	63.9	1.02	1.60	0.3	7	98.7	0.10	0.10	0.00	2.00	20.4	40.8	UnDef	0.25
2.30	38.1	1.08	2.84	1.3	6	98.7	0.11	0.11	0.00	2.00	14.6	29.2	3.04	0.00
2.46	26.3	0.85	3.24	1.1	5	85.3	0.12	0.12	0.00	2.00	12.6	25.2	2.10	0.00
2.62	21.5	0.35	1.63	0.5	6	98.7	0.12	0.12	0.00	2.00	8.2	16.4	1.71	0.09
2.79	20.9	0.10	0.48	-0.1	7	98.7	0.13	0.13	0.00	2.00	6.7	13.3	UnDef	0.09
2.95	16.0	0.02	0.13	-0.3	6	98.7	0.14	0.14	0.00	2.00	6.1	12.2	1.27	0.08
3.12	11.8	0.02	0.17	-0.3	6	98.7	0.15	0.15	0.00	2.00	4.5	9.1	0.93	0.00
3.28	10.1	0.02	0.20	-0.4	6	98.7	0.16	0.16	0.00	2.00	3.9	7.7	0.79	0.00
3.44	9.6	0.02	0.21	-0.5	6	98.7	0.16	0.16	0.00	2.00	3.7	7.4	0.76	0.00
3.61	11.8	0.02	0.17	-0.4	6	98.7	0.17	0.17	0.00	2.00	4.5	9.0	0.93	0.00
3.77	17.6	0.02	0.11	0.0	7	98.7	0.18	0.18	0.00	2.00	5.6	11.2	UnDef	0.08
3.94	19.5	0.21	1.08	0.5	6	98.7	0.19	0.19	0.00	2.00	7.5	14.9	1.54	0.09
4.10	19.9	0.37	1.87	0.7	6	98.7	0.20	0.20	0.00	2.00	7.6	15.2	1.57	0.09
4.27	19.2	0.37	1.93	1.0	6	98.7	0.20	0.20	0.00	2.00	7.3	14.7	1.52	0.09
4.43	18.1	0.31	1.71	1.0	6	98.7	0.21	0.21	0.00	2.00	7.0	13.9	1.43	0.09
4.59	15.5	0.20	1.30	0.0	6	98.7	0.22	0.22	0.00	2.00	5.9	11.8	1.22	0.09
4.76	12.3	0.16	1.31	-0.3	6	98.7	0.23	0.23	0.00	2.00	4.7	9.4	0.96	0.09
4.92	13.1	0.16	1.23	-0.6	6	98.7	0.24	0.24	0.00	2.00	5.0	10.0	1.03	0.09
5.09	11.9	0.19	1.59	-0.4	5	85.3	0.24	0.24	0.00	2.00	5.7	11.4	0.94	0.09
5.25	11.1	0.21	1.89	-0.2	5	85.3	0.25	0.25	0.00	1.99	5.3	10.6	0.87	0.09
5.41	9.8	0.17	1.73	-0.6	5	85.3	0.26	0.26	0.00	1.97	4.7	9.3	0.77	0.09
5.58	14.0	0.20	1.43	0.3	6	98.7	0.27	0.27	0.00	1.94	5.4	10.4	1.10	0.09
5.74	14.8	0.25	1.69	1.0	6	98.7	0.27	0.27	0.00	1.91	5.7	10.8	1.16	0.09
5.91	15.1	0.28	1.85	2.4	5	85.3	0.28	0.28	0.00	1.88	7.3	13.7	1.19	0.09
6.07	15.1	0.30	1.99	1.7	5	85.3	0.29	0.29	0.00	1.86	7.3	13.5	1.19	0.10
6.23	15.4	0.25	1.63	2.7	6	98.7	0.30	0.30	0.00	1.84	5.9	10.8	1.21	0.09
.40	14.2	0.20	1.41	2.5	6	98.7	0.30	0.30	0.00	1.81	5.4	9.9	1.11	0.09
56	16.4	0.22	1.34	3.1	6	98.7	0.31	0.31	0.00	1.79	6.3	11.3	1.29	0.09
.73	19.1	0.27	1.42	4.7	6	98.7	0.32	0.32	0.00	1.77	7.3	12.9	1.50	0.09
6.89	20.0	0.28	1.41	5.6	6	98.7	0.33	0.33	0.00	1.74	7.6	13.3	1.57	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.3	0.27	1.40	7.0	6	98.7	0.34	0.34	0.00	1.72	7.4	12.8	1.52	0.09
7.22	19.1	0.29	1.52	9.0	6	98.7	0.34	0.34	0.00	1.70	7.3	12.5	1.50	0.09
7.38	19.7	0.31	1.57	11.5	6	98.7	0.35	0.35	0.00	1.68	7.6	12.7	1.55	0.10
7.55	19.5	0.31	1.60	13.3	6	98.7	0.36	0.36	0.00	1.66	7.5	12.4	1.53	0.10
7.71	18.7	0.30	1.61	14.0	6	98.7	0.37	0.37	0.00	1.65	7.1	11.8	1.46	0.10
7.87	17.2	0.29	1.69	14.3	6	98.7	0.38	0.38	0.00	1.63	6.6	10.8	1.35	0.10
8.04	16.4	0.30	1.84	14.1	6	98.7	0.39	0.39	0.00	1.61	6.3	10.1	1.28	0.10
8.20	15.5	0.29	1.88	12.7	5	85.3	0.39	0.39	0.00	1.60	7.4	11.8	1.21	0.10
8.37	15.3	0.28	1.84	12.6	5	85.3	0.40	0.40	0.00	1.58	7.3	11.6	1.19	0.10
8.53	15.7	0.29	1.85	13.1	5	85.3	0.41	0.41	0.00	1.57	7.5	11.8	1.22	0.10
8.69	18.3	0.29	1.59	14.7	6	98.7	0.41	0.41	0.00	1.55	7.0	10.9	1.43	0.10
8.86	25.0	0.29	1.16	14.2	6	98.7	0.42	0.42	0.00	1.54	9.6	14.7	1.96	0.10
9.02	25.4	0.31	1.22	8.7	6	98.7	0.43	0.43	0.00	1.52	9.7	14.8	2.00	0.10
9.19	26.5	0.32	1.21	2.6	6	98.7	0.44	0.44	0.00	1.51	10.1	15.3	2.08	0.10
9.35	30.0	0.23	0.77	1.0	7	98.7	0.45	0.45	0.00	1.50	9.6	14.3	UnDef	0.10
9.51	36.4	0.17	0.47	0.0	7	98.7	0.45	0.45	0.00	1.48	11.6	17.2	UnDef	0.09
9.68	39.5	0.12	0.30	-0.4	8	101.8	0.46	0.46	0.00	1.47	9.5	13.9	UnDef	0.10
9.84	39.9	0.13	0.33	-0.6	8	101.8	0.47	0.47	0.00	1.46	9.5	13.9	UnDef	0.10
10.01	37.4	0.18	0.48	-0.7	7	98.7	0.48	0.48	0.00	1.44	11.9	17.3	UnDef	0.09
10.17	39.0	0.23	0.59	-0.7	7	98.7	0.49	0.49	0.00	1.43	12.5	17.8	UnDef	0.10
10.33	38.1	0.25	0.66	-1.0	7	98.7	0.50	0.50	0.00	1.42	12.2	17.3	UnDef	0.10
10.50	37.0	0.25	0.68	-1.0	7	98.7	0.50	0.50	0.00	1.41	11.8	16.6	UnDef	0.10
10.66	40.9	0.20	0.49	-1.1	7	98.7	0.51	0.51	0.00	1.40	13.1	18.3	UnDef	0.10
10.83	42.1	0.23	0.55	-1.1	7	98.7	0.52	0.52	0.00	1.39	13.4	18.6	UnDef	0.10
10.99	43.1	0.27	0.63	-1.1	7	98.7	0.53	0.53	0.00	1.38	13.8	18.9	UnDef	0.11
11.15	43.4	0.28	0.65	-1.1	7	98.7	0.54	0.54	0.00	1.37	13.8	18.9	UnDef	0.11
11.32	44.3	0.31	0.70	-1.2	7	98.7	0.54	0.54	0.00	1.36	14.1	19.2	UnDef	0.11
11.48	42.0	0.35	0.83	-1.1	7	98.7	0.55	0.55	0.00	1.35	13.4	18.1	UnDef	0.11
11.65	39.0	0.35	0.90	-1.2	7	98.7	0.56	0.56	0.00	1.34	12.4	16.6	UnDef	0.11
.81	36.6	0.34	0.93	-1.2	7	98.7	0.57	0.57	0.00	1.33	11.7	15.5	UnDef	0.10
.97	35.0	0.37	1.06	-1.2	7	98.7	0.58	0.58	0.00	1.32	11.2	14.7	UnDef	0.10
12.14	33.9	0.39	1.15	-0.8	7	98.7	0.58	0.58	0.00	1.31	10.8	14.1	UnDef	0.10
12.30	30.3	0.50	1.65	-0.7	6	98.7	0.59	0.59	0.00	1.30	11.6	15.1	2.38	0.11
12.47	27.8	0.61	2.20	-0.2	6	98.7	0.60	0.60	0.00	1.29	10.7	13.8	2.18	0.13
12.63	26.3	0.48	1.83	2.5	6	98.7	0.61	0.61	0.00	1.28	10.1	12.9	2.05	0.11
12.80	27.0	0.43	1.60	3.8	6	98.7	0.62	0.62	0.00	1.27	10.3	13.2	2.11	0.11
12.96	30.9	0.30	0.97	0.9	7	98.7	0.63	0.63	0.00	1.26	9.9	12.5	UnDef	0.10
13.12	36.3	0.21	0.58	-0.1	7	98.7	0.63	0.63	0.00	1.26	11.6	14.6	UnDef	0.10
13.29	45.2	0.14	0.31	-0.5	8	101.8	0.64	0.64	0.00	1.25	10.8	13.5	UnDef	0.10
13.45	54.5	0.18	0.33	-0.6	8	101.8	0.65	0.65	0.00	1.24	13.1	16.2	UnDef	0.11
13.62	60.7	0.48	0.79	-0.6	8	101.8	0.66	0.66	0.00	1.23	14.5	17.9	UnDef	0.14
13.78	56.3	0.63	1.12	-0.6	7	98.7	0.67	0.67	0.00	1.23	18.0	22.0	UnDef	0.14
13.94	50.9	0.72	1.42	-0.4	7	98.7	0.67	0.67	0.00	1.22	16.2	19.8	UnDef	0.14
14.11	61.4	0.68	1.11	-0.5	7	98.7	0.68	0.68	0.00	1.21	19.6	23.7	UnDef	0.15
14.27	64.0	0.50	0.78	-0.7	8	101.8	0.69	0.69	0.00	1.20	15.3	18.4	UnDef	0.14
14.44	61.6	0.56	0.91	-0.6	8	101.8	0.70	0.70	0.00	1.20	14.8	17.7	UnDef	0.14
14.60	58.6	0.50	0.85	-0.8	8	101.8	0.71	0.71	0.00	1.19	14.0	16.7	UnDef	0.13
14.76	61.6	0.48	0.78	-0.8	8	101.8	0.72	0.72	0.00	1.18	14.7	17.4	UnDef	0.13
14.93	68.0	0.47	0.69	-0.6	8	101.8	0.72	0.72	0.00	1.18	16.3	19.1	UnDef	0.14
15.09	67.5	0.49	0.73	-0.6	8	101.8	0.73	0.73	0.00	1.17	16.2	18.9	UnDef	0.14
15.26	65.5	0.45	0.69	-0.6	8	101.8	0.74	0.74	0.00	1.16	15.7	18.2	UnDef	0.14
15.42	65.5	0.43	0.66	-0.1	8	101.8	0.75	0.75	0.00	1.16	15.7	18.1	UnDef	0.13
15.58	67.0	0.47	0.70	-0.1	8	101.8	0.76	0.76	0.00	1.15	16.0	18.4	UnDef	0.14
15.75	68.8	0.48	0.70	0.0	8	101.8	0.77	0.77	0.00	1.14	16.5	18.8	UnDef	0.14
15.91	64.9	0.45	0.69	0.0	8	101.8	0.77	0.77	0.00	1.14	15.5	17.7	UnDef	0.13
16.08	59.2	0.39	0.66	0.0	8	101.8	0.78	0.78	0.00	1.13	14.2	16.0	UnDef	0.12
16.24	56.5	0.42	0.75	-0.1	8	101.8	0.79	0.79	0.00	1.12	13.5	15.2	UnDef	0.12
16.40	56.9	0.49	0.86	0.0	8	101.8	0.80	0.80	0.00	1.12	13.6	15.2	UnDef	0.13
16.57	54.5	0.53	0.97	0.2	7	98.7	0.81	0.81	0.00	1.11	17.4	19.4	UnDef	0.13
16.73	55.4	0.56	1.01	0.2	7	98.7	0.82	0.82	0.00	1.11	17.7	19.6	UnDef	0.13
.90	62.0	0.38	0.61	0.2	8	101.8	0.82	0.82	0.00	1.10	14.8	16.3	UnDef	0.12
06	63.1	0.39	0.62	0.0	8	101.8	0.83	0.83	0.00	1.10	15.1	16.6	UnDef	0.13
.22	61.5	0.39	0.64	0.0	8	101.8	0.84	0.84	0.00	1.09	14.7	16.1	UnDef	0.12
17.39	59.5	0.38	0.64	0.0	8	101.8	0.85	0.85	0.00	1.09	14.3	15.5	UnDef	0.12

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5221
CPT File: 315CP35.COR

pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	58.1	0.40	0.69	0.0	8	101.8	0.86	0.86	0.00	1.08	13.9	15.0	UnDef	0.12
17.72	51.6	0.45	0.87	0.2	7	98.7	0.87	0.87	0.00	1.07	16.5	17.7	UnDef	0.12
17.88	45.9	0.67	1.46	0.1	7	98.7	0.87	0.87	0.00	1.07	14.6	15.7	UnDef	0.13
18.04	41.6	0.71	1.71	0.0	7	98.7	0.88	0.88	0.00	1.06	13.3	14.1	UnDef	0.14
18.21	36.3	0.85	2.35	0.5	6	98.7	0.89	0.89	0.00	1.06	13.9	14.7	2.83	0.19
18.37	34.8	0.67	1.93	1.6	6	98.7	0.90	0.90	0.00	1.06	13.3	14.1	2.71	0.15
18.54	35.3	0.55	1.56	2.6	6	98.7	0.91	0.91	0.00	1.05	13.5	14.2	2.75	0.12
18.70	40.0	0.69	1.73	2.3	7	98.7	0.91	0.91	0.00	1.05	12.8	13.4	UnDef	0.14
18.86	38.9	0.75	1.94	1.9	6	98.7	0.92	0.92	0.00	1.04	14.9	15.5	3.03	0.15
19.03	34.0	0.78	2.30	2.6	6	98.7	0.93	0.93	0.00	1.04	13.0	13.5	2.65	0.20
19.19	33.6	0.72	2.15	4.0	6	98.7	0.94	0.94	0.00	1.03	12.9	13.3	2.61	0.18
19.36	32.6	0.63	1.94	4.8	6	98.7	0.95	0.95	0.00	1.03	12.5	12.8	2.53	0.16
19.52	30.9	0.58	1.88	5.8	6	98.7	0.95	0.95	0.00	1.02	11.8	12.1	2.39	0.15
19.68	30.8	0.52	1.69	6.8	6	98.7	0.96	0.96	0.00	1.02	11.8	12.0	2.39	0.14
19.85	28.4	0.44	1.55	8.4	6	98.7	0.97	0.97	0.00	1.01	10.9	11.0	2.19	0.13
20.01	26.8	0.39	1.46	9.7	6	98.7	0.98	0.98	0.00	1.01	10.3	10.4	2.07	0.13
20.18	28.0	0.37	1.33	10.9	6	98.7	0.99	0.99	0.00	1.01	10.7	10.8	2.16	0.12
20.34	30.6	0.46	1.51	12.3	6	98.7	1.00	1.00	0.00	1.00	11.7	11.7	2.37	0.13
20.51	32.1	0.42	1.31	12.6	7	98.7	1.00	1.00	0.00	1.00	10.2	10.2	UnDef	0.12
20.67	35.5	0.39	1.10	12.1	7	98.7	1.01	1.01	0.00	0.99	11.3	11.3	UnDef	0.11
20.83	38.1	0.45	1.18	2.2	7	98.7	1.02	1.02	0.00	0.99	12.2	12.1	UnDef	0.11
21.00	38.3	0.48	1.25	1.9	7	98.7	1.03	1.03	0.00	0.99	12.2	12.1	UnDef	0.12
21.16	38.7	0.64	1.66	1.8	7	98.7	1.04	1.04	0.00	0.98	12.3	12.1	UnDef	0.14
21.33	38.5	0.59	1.54	1.6	7	98.7	1.04	1.04	0.00	0.98	12.3	12.0	UnDef	0.13
21.49	41.1	0.49	1.20	1.8	7	98.7	1.05	1.05	0.00	0.98	13.1	12.8	UnDef	0.12
21.65	44.1	0.33	0.75	1.5	7	98.7	1.06	1.06	0.00	0.97	14.1	13.7	UnDef	0.10
21.82	42.5	0.34	0.80	1.2	7	98.7	1.07	1.07	0.00	0.97	13.6	13.1	UnDef	0.10
21.98	38.8	0.49	1.26	0.7	7	98.7	1.08	1.08	0.00	0.96	12.4	12.0	UnDef	0.12
22.15	34.8	0.57	1.64	1.0	6	98.7	1.08	1.08	0.00	0.96	13.3	12.8	2.70	0.14
.31	31.8	0.63	1.99	0.9	6	98.7	1.09	1.09	0.00	0.96	12.2	11.6	2.45	0.21
.47	30.2	0.54	1.79	1.8	6	98.7	1.10	1.10	0.00	0.95	11.6	11.0	2.32	0.18
22.64	29.0	0.53	1.83	6.1	6	98.7	1.11	1.11	0.00	0.95	11.1	10.6	2.23	0.20
22.80	27.9	0.47	1.69	10.5	6	98.7	1.12	1.12	0.00	0.95	10.7	10.1	2.14	0.18
22.97	26.7	0.42	1.58	12.6	6	98.7	1.12	1.12	0.00	0.94	10.2	9.6	2.05	0.17
23.13	25.6	0.32	1.25	14.3	6	98.7	1.13	1.13	0.00	0.94	9.8	9.2	1.96	0.13
23.29	27.8	0.43	1.55	15.5	6	98.7	1.14	1.14	0.00	0.94	10.6	10.0	2.13	0.16
23.46	33.9	0.47	1.39	16.4	7	98.7	1.15	1.15	0.00	0.93	10.8	10.1	UnDef	0.13
23.62	32.8	0.60	1.84	10.4	6	98.7	1.16	1.16	0.00	0.93	12.5	11.7	2.53	0.19
23.79	30.8	0.50	1.63	11.5	6	98.7	1.17	1.17	0.00	0.93	11.8	10.9	2.37	0.17
23.95	27.2	0.43	1.58	14.1	6	98.7	1.17	1.17	0.00	0.92	10.4	9.6	2.08	0.19
24.11	31.4	0.46	1.47	14.8	6	98.7	1.18	1.18	0.00	0.92	12.0	11.1	2.42	0.14
24.28	34.0	0.53	1.56	13.6	6	98.7	1.19	1.19	0.00	0.92	13.0	11.9	2.62	0.15
24.44	34.3	0.59	1.72	14.1	6	98.7	1.20	1.20	0.00	0.91	13.1	12.0	2.65	0.17
24.61	34.3	0.59	1.73	17.7	6	98.7	1.21	1.21	0.00	0.91	13.1	12.0	2.64	0.18
24.77	35.0	0.55	1.58	18.1	6	98.7	1.21	1.21	0.00	0.91	13.4	12.2	2.70	0.15
24.93	39.1	0.58	1.49	19.5	7	98.7	1.22	1.22	0.00	0.90	12.5	11.3	UnDef	0.14
25.10	41.2	0.59	1.44	6.1	7	98.7	1.23	1.23	0.00	0.90	13.1	11.9	UnDef	0.14
25.26	53.5	0.65	1.22	4.2	7	98.7	1.24	1.24	0.00	0.90	17.1	15.3	UnDef	0.13
25.43	60.1	0.92	1.54	2.6	7	98.7	1.25	1.25	0.00	0.90	19.2	17.2	UnDef	0.16
25.59	51.4	1.12	2.19	1.7	6	98.7	1.25	1.25	0.00	0.89	19.7	17.6	4.01	0.23
25.75	47.9	1.18	2.47	1.8	6	98.7	1.26	1.26	0.00	0.89	18.3	16.3	3.73	0.30
25.92	53.5	1.09	2.04	1.8	7	98.7	1.27	1.27	0.00	0.89	17.1	15.2	UnDef	0.21
26.08	50.9	1.18	2.32	1.2	6	98.7	1.28	1.28	0.00	0.88	19.5	17.3	3.97	0.26
26.25	51.6	1.40	2.72	1.1	6	98.7	1.29	1.29	0.00	0.88	19.8	17.4	4.02	0.38
26.41	53.0	1.46	2.76	1.3	6	98.7	1.29	1.29	0.00	0.88	20.3	17.9	4.14	0.39
26.57	54.4	1.36	2.50	1.1	6	98.7	1.30	1.30	0.00	0.88	20.9	18.3	4.25	0.31
26.74	55.3	1.33	2.41	1.0	6	98.7	1.31	1.31	0.00	0.87	21.2	18.5	4.32	0.29
26.90	71.7	1.17	1.64	0.8	7	98.7	1.32	1.32	0.00	0.87	22.9	19.9	UnDef	0.20
27.07	99.6	1.16	1.17	0.6	8	101.8	1.33	1.33	0.00	0.87	23.8	20.7	UnDef	0.22
27.23	117.7	1.15	0.98	0.2	8	101.8	1.34	1.34	0.00	0.87	28.2	24.4	UnDef	0.25
27.39	134.2	1.32	0.99	0.0	8	101.8	1.34	1.34	0.00	0.86	32.1	27.7	UnDef	0.30
56	145.1	1.40	0.97	0.1	9	101.8	1.35	1.35	0.00	0.86	27.8	23.9	UnDef	0.34
.72	187.0	0.02	0.01	0.3	10	127.3	1.36	1.36	0.00	0.86	29.8	25.6	UnDef	0.44
27.89	206.9	0.02	0.01	0.0	10	127.3	1.37	1.37	0.00	0.85	33.0	28.2	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5221
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-35
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 16:07
CPT File: 315CP35.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	907.5	0.36	10	10.6	0.0	10.6	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.3
0.33	1.7E-07	0.00	610.8	0.27	10	14.3	0.0	14.3	0.0	UnDef	UnDef	10.0	UnDef	0.0	7.2
0.49	5.0E-05	0.00	557.7	0.19	10	20.7	0.0	20.7	0.0	50	59.4	10.0	-0.19	0.0	8.3
0.66	5.0E-05	0.00	569.7	0.13	10	30.0	0.0	30.0	0.0	50	65.0	10.0	-0.16	0.0	12.0
0.82	5.0E-04	0.00	529.8	0.11	10	36.1	0.0	36.1	0.0	48	66.7	1.0	-0.14	0.0	12.0
0.98	5.0E-04	0.00	494.3	0.09	10	41.4	0.0	41.4	0.0	48	67.6	1.0	-0.13	0.0	13.8
1.15	5.0E-04	0.00	493.3	0.08	10	48.9	0.0	48.9	0.0	48	70.0	1.0	-0.11	0.0	16.3
1.31	5.0E-04	0.00	501.2	0.47	10	57.5	0.0	57.5	0.0	48	72.5	1.0	-0.26	0.0	19.2
.48	5.0E-05	0.00	427.3	1.45	9	55.7	0.0	55.7	4.6	48	69.8	10.0	-0.37	0.0	22.3
.64	5.0E-04	0.00	381.7	1.18	9	55.7	0.0	55.7	3.8	48	68.2	1.0	-0.33	0.0	18.6
1.80	5.0E-04	0.00	489.1	1.15	9	78.9	0.0	78.9	2.8	48	76.7	1.0	-0.35	0.0	26.3
1.97	5.0E-03	0.00	741.0	0.85	10	131.2	0.0	131.2	0.4	50	90.0	1.0	-0.36	0.0	32.8
2.13	5.0E-04	0.00	635.3	1.60	9	122.5	0.0	122.5	3.9	50	86.8	1.0	-0.43	0.0	40.8
2.30	5.0E-05	0.00	349.6	2.85	12	72.9	UnDef	UnDef	0.0	48	70.8	10.0	-0.48	UnDef	UnDef
2.46	5.0E-06	0.00	225.7	3.25	12	50.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-05	0.00	172.5	1.64	9	41.1	6.7	47.8	10.2	44	52.5	10.0	-0.30	1.6	18.0
2.79	5.0E-04	0.00	157.5	0.48	9	40.0	0.0	40.0	3.7	44	50.8	1.0	-0.16	0.0	13.3
2.95	5.0E-05	0.00	113.2	0.13	9	30.6	0.0	30.6	2.2	42	42.3	10.0	-0.03	0.0	12.2
3.12	5.0E-05	0.00	78.9	0.17	9	22.6	0.0	22.6	5.0	42	32.8	10.0	-0.02	0.0	9.1
3.28	5.0E-05	0.00	63.7	0.20	9	19.3	0.0	19.3	5.0	40	30.0	10.0	-0.01	0.0	7.7
3.44	5.0E-05	0.00	57.7	0.21	9	18.5	0.0	18.5	5.0	40	30.0	10.0	-0.01	0.0	7.4
3.61	5.0E-05	0.00	67.3	0.17	9	22.5	0.0	22.5	5.0	40	30.5	10.0	-0.01	0.0	9.0
3.77	5.0E-04	0.00	96.4	0.12	9	33.6	0.0	33.6	3.0	42	41.3	1.0	0.00	0.0	11.2
3.94	5.0E-05	0.00	102.4	1.09	9	37.3	7.2	44.5	11.0	42	43.7	10.0	-0.20	1.7	16.6
4.10	5.0E-05	0.00	100.1	1.89	7	38.1	15.2	53.3	15.7	42	43.7	10.0	-0.26	3.3	18.5
4.27	5.0E-05	0.00	92.7	1.96	7	36.7	16.8	53.6	16.8	42	42.0	10.0	-0.25	3.6	18.3
4.43	5.0E-05	0.00	84.3	1.73	7	34.8	15.5	50.3	16.5	42	39.9	10.0	-0.23	3.3	17.2
4.59	5.0E-05	0.00	69.0	1.32	7	29.6	12.5	42.1	16.1	40	34.8	10.0	-0.18	2.7	14.5
4.76	5.0E-05	0.00	52.6	1.33	7	23.5	14.3	37.8	19.2	38	30.0	10.0	-0.15	2.9	12.3
4.92	5.0E-05	0.00	54.2	1.25	7	25.1	13.8	38.8	18.3	40	30.0	10.0	-0.15	2.9	12.9
5.09	5.0E-06	0.00	47.9	1.63	7	22.9	19.5	42.4	22.2	UnDef	UnDef	6.0	UnDef	4.6	16.1
5.25	5.0E-06	0.00	43.2	1.94	7	21.3	25.4	46.7	25.4	UnDef	UnDef	6.0	UnDef	5.5	16.1
5.41	5.0E-06	0.00	37.0	1.78	7	18.8	25.6	44.4	26.6	UnDef	UnDef	6.0	UnDef	5.2	14.5
5.58	5.0E-05	0.00	51.6	1.46	7	26.6	18.3	44.8	20.3	38	30.0	10.0	-0.16	3.6	14.0
5.74	5.0E-05	0.00	53.1	1.72	7	27.7	21.9	49.6	21.5	40	30.5	10.0	-0.18	4.1	15.0
5.91	5.0E-06	0.00	52.8	1.89	7	27.9	24.6	52.5	22.5	UnDef	UnDef	10.0	UnDef	5.7	19.3
6.07	5.0E-06	0.00	51.5	2.02	7	27.6	27.2	54.8	23.6	UnDef	UnDef	10.0	UnDef	6.1	19.6
6.23	5.0E-05	0.01	51.0	1.66	7	27.7	22.1	49.8	21.6	38	30.5	10.0	-0.17	4.2	15.0
6.40	5.0E-05	0.01	45.6	1.44	7	25.2	20.1	45.3	21.6	38	30.0	6.0	-0.15	3.8	13.7
.56	5.0E-05	0.01	51.6	1.37	7	28.8	18.5	47.3	19.7	38	31.6	10.0	-0.15	3.7	14.9
73	5.0E-05	0.01	58.6	1.44	7	33.0	19.0	52.0	18.7	40	35.5	10.0	-0.17	3.8	16.8
.89	5.0E-05	0.01	59.7	1.43	7	34.1	19.0	53.0	18.4	40	36.4	10.0	-0.17	3.8	17.2

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP35.COR

oth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.01	56.4	1.43	7	32.6	19.5	52.1	19.0	40	35.1	10.0	-0.16	3.9	16.7
7.22	5.0E-05	0.01	54.5	1.55	7	31.9	21.7	53.6	20.2	40	34.5	10.0	-0.17	4.2	16.7
7.38	5.0E-05	0.02	54.9	1.60	7	32.5	22.7	55.3	20.4	40	35.1	10.0	-0.17	4.4	17.1
7.55	5.0E-05	0.02	53.0	1.63	7	31.7	23.6	55.3	21.0	40	34.4	10.0	-0.17	4.5	16.9
7.71	5.0E-05	0.02	49.5	1.64	7	30.0	24.7	54.8	21.9	38	32.8	6.0	-0.16	4.6	16.4
7.87	5.0E-05	0.03	44.7	1.72	7	27.5	27.3	54.8	23.7	38	30.3	6.0	-0.16	4.9	15.6
8.04	5.0E-05	0.03	41.5	1.88	7	25.8	31.6	57.4	25.6	38	30.0	6.0	-0.16	5.3	15.4
8.20	5.0E-06	0.03	38.4	1.93	7	24.1	34.2	58.3	27.0	UnDef	UnDef	6.0	UnDef	6.8	18.7
8.37	5.0E-06	0.03	37.2	1.89	7	23.6	34.2	57.8	27.2	UnDef	UnDef	6.0	UnDef	6.8	18.3
8.53	5.0E-06	0.03	37.6	1.90	7	24.1	34.5	58.6	27.1	UnDef	UnDef	6.0	UnDef	6.9	18.7
8.69	5.0E-05	0.03	43.1	1.63	7	27.8	27.3	55.1	23.6	38	30.6	6.0	-0.15	4.9	15.8
8.86	5.0E-05	0.02	58.1	1.18	7	37.6	17.9	55.5	17.1	40	39.2	10.0	-0.15	3.7	18.4
9.02	5.0E-05	0.01	58.0	1.24	7	37.9	19.0	56.9	17.5	40	39.5	10.0	-0.15	3.9	18.7
9.19	5.0E-05	0.00	59.3	1.23	7	39.1	18.8	57.9	17.2	40	40.4	10.0	-0.16	3.9	19.2
9.35	5.0E-04	0.00	66.2	0.78	9	44.0	11.3	55.2	12.6	40	43.7	1.0	-0.13	2.1	16.4
9.51	5.0E-04	0.00	79.1	0.47	9	52.8	0.0	52.8	5.0	42	49.0	1.0	-0.10	0.0	17.2
9.68	5.0E-03	0.00	84.3	0.31	9	56.8	0.0	56.8	5.0	42	51.0	1.0	-0.07	0.0	13.9
9.84	5.0E-03	0.00	83.6	0.33	9	56.8	0.0	56.8	5.0	42	51.1	1.0	-0.08	0.0	13.9
10.01	5.0E-04	0.00	77.0	0.49	9	52.9	0.0	52.9	5.0	40	49.0	1.0	-0.10	0.0	17.3
10.17	5.0E-04	0.00	79.0	0.60	9	54.7	7.4	62.1	9.5	42	50.0	1.0	-0.12	1.4	19.3
10.33	5.0E-04	0.00	75.9	0.67	9	53.0	9.0	62.0	10.4	40	49.1	1.0	-0.13	1.7	19.0
10.50	5.0E-04	0.00	72.4	0.69	9	51.0	9.8	60.8	11.0	40	48.0	1.0	-0.12	1.9	18.5
10.66	5.0E-04	0.00	79.0	0.50	9	56.0	0.0	56.0	5.0	42	50.7	1.0	-0.11	0.0	18.3
10.83	5.0E-04	0.00	79.9	0.55	9	57.1	6.8	63.9	9.0	42	51.2	1.0	-0.12	1.3	20.0
10.99	5.0E-04	0.00	80.6	0.64	9	58.1	8.2	66.3	9.6	42	51.7	1.0	-0.13	1.6	20.5
11.15	5.0E-04	0.00	79.9	0.66	9	58.0	8.7	66.7	9.9	42	51.6	1.0	-0.13	1.7	20.6
11.32	5.0E-04	0.00	80.3	0.71	9	58.7	9.7	68.4	10.3	42	52.0	1.0	-0.14	1.9	21.0
11.48	5.0E-04	0.00	75.1	0.85	9	55.3	12.7	68.1	12.0	40	50.3	1.0	-0.15	2.4	20.4
11.65	5.0E-04	0.00	68.5	0.91	9	50.9	14.7	65.6	13.4	40	47.9	1.0	-0.14	2.7	19.3
.81	5.0E-04	0.00	63.4	0.95	9	47.5	15.9	63.4	14.4	40	45.9	1.0	-0.14	2.9	18.4
.97	5.0E-04	0.00	59.7	1.08	7	45.1	18.8	63.9	16.0	40	44.5	1.0	-0.15	3.3	18.0
12.14	5.0E-04	0.00	56.9	1.17	7	43.3	21.0	64.3	17.2	40	43.3	1.0	-0.15	3.6	17.8
12.30	5.0E-05	0.00	50.2	1.68	7	38.6	32.0	70.6	22.0	38	40.0	10.0	-0.17	6.0	21.1
12.47	5.0E-05	0.00	45.3	2.24	7	35.2	46.8	82.0	26.4	38	37.3	6.0	-0.19	7.6	21.4
12.63	5.0E-05	0.00	42.1	1.88	7	32.9	39.2	72.2	25.4	38	35.4	6.0	-0.16	6.6	19.5
12.80	5.0E-05	0.00	42.7	1.64	7	33.6	33.6	67.2	23.7	38	36.0	6.0	-0.15	6.0	19.1
12.96	5.0E-04	0.00	48.4	0.99	7	38.2	19.6	57.8	17.7	38	39.7	1.0	-0.12	3.4	15.8
13.12	5.0E-04	0.00	56.3	0.59	9	44.6	11.2	55.9	12.5	40	44.1	1.0	-0.09	2.1	16.7
13.29	5.0E-03	0.00	69.4	0.32	9	55.2	0.0	55.2	5.0	40	50.2	1.0	-0.06	0.0	13.5
13.45	5.0E-03	0.00	82.9	0.33	9	66.2	0.0	66.2	5.0	42	55.5	1.0	-0.08	0.0	16.2
13.62	5.0E-03	0.00	91.3	0.80	9	73.3	11.2	84.4	10.0	42	58.4	1.0	-0.16	1.6	19.5
13.78	5.0E-04	0.00	83.4	1.14	9	67.5	18.7	86.1	13.1	42	56.0	1.0	-0.18	3.5	25.5
13.94	5.0E-04	0.00	74.4	1.44	7	60.6	25.6	86.2	16.1	40	52.9	1.0	-0.19	4.5	24.3
14.11	5.0E-04	0.00	89.0	1.12	9	72.8	18.1	90.8	12.4	42	58.2	1.0	-0.19	3.4	27.1
14.27	5.0E-03	0.00	91.6	0.79	9	75.4	11.2	86.6	9.9	42	59.2	1.0	-0.16	1.6	20.1
14.44	5.0E-03	0.00	87.2	0.92	9	72.1	14.4	86.6	11.2	42	57.9	1.0	-0.17	2.1	19.7
14.60	5.0E-03	0.00	81.9	0.87	9	68.2	14.0	82.2	11.4	42	56.3	1.0	-0.16	2.0	18.7
14.76	5.0E-03	0.00	85.0	0.79	9	71.2	12.2	83.4	10.5	42	57.5	1.0	-0.15	1.8	19.2
14.93	5.0E-03	0.00	92.9	0.70	9	78.2	9.4	87.6	9.0	42	60.2	1.0	-0.15	1.4	20.5
15.09	5.0E-03	0.00	91.1	0.74	9	77.1	10.5	87.6	9.5	42	59.8	1.0	-0.15	1.5	20.4
15.26	5.0E-03	0.00	87.4	0.70	9	74.4	10.2	84.6	9.5	42	58.8	1.0	-0.14	1.5	19.7
15.42	5.0E-03	0.00	86.5	0.67	9	74.1	9.7	83.8	9.3	42	58.7	1.0	-0.14	1.4	19.5
15.58	5.0E-03	0.00	87.4	0.71	9	75.3	10.6	85.9	9.6	42	59.1	1.0	-0.14	1.5	20.0
15.75	5.0E-03	0.00	88.8	0.71	9	76.9	10.4	87.3	9.4	42	59.8	1.0	-0.15	1.5	20.3
15.91	5.0E-03	0.00	82.8	0.70	9	72.2	11.1	83.3	10.0	42	57.9	1.0	-0.14	1.6	19.3
16.08	5.0E-03	0.00	74.6	0.67	9	65.5	11.5	77.0	10.6	40	55.1	1.0	-0.13	1.7	17.7
16.24	5.0E-03	0.00	70.4	0.76	9	62.1	14.0	76.1	11.9	40	53.6	1.0	-0.13	2.0	17.2
16.40	5.0E-03	0.00	70.2	0.88	9	62.3	16.5	78.8	12.9	40	53.7	1.0	-0.14	2.3	17.5
16.57	5.0E-04	0.00	66.5	0.99	9	59.3	19.5	78.8	14.3	40	52.3	1.0	-0.15	3.5	22.9
16.73	5.0E-04	0.00	66.9	1.03	9	60.0	20.4	80.4	14.5	40	52.6	1.0	-0.15	3.7	23.3
.90	5.0E-03	0.00	74.2	0.62	9	66.8	10.9	77.7	10.3	40	55.7	1.0	-0.12	1.6	17.9
06	5.0E-03	0.00	74.8	0.63	9	67.7	11.0	78.7	10.2	40	56.1	1.0	-0.12	1.6	18.1
.22	5.0E-03	0.00	72.2	0.64	9	65.7	11.8	77.4	10.7	40	55.2	1.0	-0.12	1.7	17.8
17.39	5.0E-03	0.00	69.1	0.65	9	63.2	12.4	75.6	11.1	40	54.1	1.0	-0.12	1.8	17.2

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pth t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	66.8	0.70	9	61.4	13.8	75.3	11.9	40	53.3	1.0	-0.12	2.0	17.0
17.72	5.0E-04	0.00	58.6	0.89	9	54.3	19.1	73.4	14.8	40	49.8	1.0	-0.13	3.4	21.2
17.88	5.0E-04	0.00	51.5	1.49	7	48.0	33.9	81.9	20.5	38	46.3	1.0	-0.16	5.5	21.1
18.04	5.0E-04	0.00	46.2	1.75	7	43.3	41.9	85.3	23.4	38	43.3	1.0	-0.17	6.3	20.4
18.21	5.0E-05	0.00	39.8	2.41	7	37.6	67.4	105.0	29.0	38	39.3	6.0	-0.19	9.9	24.6
18.37	5.0E-05	0.00	37.8	1.98	7	36.0	53.9	89.8	27.5	38	38.0	6.0	-0.16	8.5	22.5
18.54	5.0E-05	0.00	37.9	1.60	7	36.3	42.1	78.4	25.1	38	38.2	6.0	-0.14	7.2	21.4
18.70	5.0E-04	0.00	42.7	1.77	7	40.9	44.7	85.6	24.5	38	41.7	1.0	-0.16	6.5	19.8
18.86	5.0E-05	0.00	41.1	1.98	7	39.6	52.2	91.8	26.3	38	40.7	6.0	-0.17	8.6	24.1
19.03	5.0E-05	0.00	35.5	2.36	7	34.5	73.1	107.6	30.5	38	36.8	6.0	-0.17	10.0	23.5
19.19	5.0E-05	0.00	34.8	2.21	7	33.9	67.8	101.7	30.0	36	36.3	6.0	-0.16	9.5	22.8
19.36	5.0E-05	0.00	33.4	2.00	7	32.8	60.7	93.5	29.3	36	35.3	6.0	-0.14	8.8	21.6
19.52	5.0E-05	0.01	31.3	1.94	7	30.9	62.0	92.9	30.0	36	33.6	6.0	-0.14	8.7	20.8
19.68	5.0E-05	0.01	31.0	1.75	7	30.7	54.4	85.1	28.9	36	33.5	6.0	-0.12	8.0	20.0
19.85	5.0E-05	0.01	28.2	1.61	7	28.2	53.0	81.2	29.4	36	31.0	6.0	-0.11	7.6	18.7
20.01	5.0E-05	0.01	26.4	1.51	7	26.5	52.3	78.8	29.9	34	30.0	6.0	-0.09	7.4	17.7
20.18	5.0E-05	0.01	27.3	1.37	7	27.5	45.3	72.9	28.3	36	30.3	6.0	-0.09	6.9	17.7
20.34	5.0E-05	0.01	29.7	1.56	7	30.0	49.5	79.5	28.3	36	32.8	6.0	-0.11	7.5	19.2
20.51	5.0E-04	0.01	31.0	1.36	7	31.3	41.2	72.6	26.3	36	34.0	1.0	-0.10	5.6	15.9
20.67	5.0E-04	0.01	34.1	1.13	7	34.6	32.7	67.3	23.2	36	36.8	1.0	-0.09	4.9	16.2
20.83	5.0E-04	0.00	36.4	1.22	7	37.0	34.1	71.1	23.0	38	38.8	1.0	-0.11	5.2	17.2
21.00	5.0E-04	0.00	36.3	1.29	7	37.0	36.4	73.4	23.6	38	38.8	1.0	-0.11	5.4	17.5
21.16	5.0E-04	0.00	36.3	1.71	7	37.2	49.4	86.6	26.4	38	38.9	1.0	-0.14	6.7	18.9
21.33	5.0E-04	0.00	35.8	1.58	7	36.8	45.8	82.6	25.8	38	38.7	1.0	-0.13	6.4	18.4
21.49	5.0E-04	0.00	38.1	1.23	7	39.2	34.3	73.5	22.5	38	40.4	1.0	-0.11	5.3	18.1
21.65	5.0E-04	0.00	40.6	0.77	7	41.9	21.9	63.8	17.8	38	42.3	1.0	-0.08	3.7	17.4
21.82	5.0E-04	0.00	38.8	0.82	7	40.3	23.7	64.0	18.9	38	41.2	1.0	-0.08	4.0	17.1
21.98	5.0E-04	0.00	35.1	1.30	7	36.6	38.2	74.8	24.1	38	38.5	1.0	-0.11	5.6	17.6
22.15	5.0E-05	0.00	31.1	1.69	7	32.7	55.4	88.1	28.5	36	35.3	6.0	-0.12	8.3	21.1
.31	5.0E-05	0.00	28.1	2.06	6	29.7	81.0	110.8	32.4	36	32.5	6.0	-0.13	9.8	21.5
.47	5.0E-05	0.00	26.4	1.86	7	28.1	74.4	102.6	32.2	36	30.9	6.0	-0.11	9.2	20.2
22.64	5.0E-05	0.01	25.2	1.90	6	27.0	82.3	109.3	33.2	34	30.0	6.0	-0.11	9.4	20.0
22.80	5.0E-05	0.01	24.0	1.76	6	25.8	77.5	103.3	33.1	34	30.0	6.0	-0.10	8.9	19.1
22.97	5.0E-05	0.02	22.7	1.65	6	24.6	75.3	99.9	33.2	34	30.0	6.0	-0.09	8.6	18.2
23.13	5.0E-05	0.02	21.6	1.31	7	23.6	57.4	81.0	31.6	34	30.0	6.0	-0.06	7.3	16.6
23.29	5.0E-05	0.02	23.4	1.62	7	25.5	70.9	96.3	32.6	34	30.0	6.0	-0.09	8.5	18.5
23.46	5.0E-04	0.02	28.5	1.44	7	31.0	49.8	80.8	28.1	36	33.7	1.0	-0.10	6.3	16.5
23.62	5.0E-05	0.01	27.3	1.90	7	29.8	75.9	105.7	31.9	36	32.6	6.0	-0.12	9.5	21.2
23.79	5.0E-05	0.01	25.4	1.69	7	27.9	69.2	97.1	31.7	34	30.7	6.0	-0.10	8.8	19.7
23.95	5.0E-05	0.02	22.2	1.66	6	24.6	80.5	105.1	33.7	34	30.0	6.0	-0.08	8.9	18.5
24.11	5.0E-05	0.02	25.6	1.53	7	28.2	59.9	88.2	30.5	34	31.0	6.0	-0.09	8.2	19.2
24.28	5.0E-05	0.01	27.6	1.62	7	30.5	60.5	91.0	29.9	36	33.2	6.0	-0.10	8.5	20.4
24.44	5.0E-05	0.01	27.7	1.79	7	30.7	69.3	100.0	31.0	36	33.4	6.0	-0.11	9.2	21.2
24.61	5.0E-05	0.02	27.4	1.79	7	30.5	70.3	100.8	31.1	36	33.3	6.0	-0.11	9.2	21.2
24.77	5.0E-05	0.02	27.8	1.63	7	31.1	61.4	92.4	29.9	36	33.8	6.0	-0.11	8.6	20.8
24.93	5.0E-04	0.02	31.0	1.54	7	34.6	52.4	87.0	27.6	36	36.8	1.0	-0.11	6.8	18.1
25.10	5.0E-04	0.00	32.5	1.48	7	36.3	48.9	85.2	26.5	36	38.3	1.0	-0.11	6.6	18.5
25.26	5.0E-04	0.00	42.2	1.25	7	47.0	36.2	83.2	21.3	38	45.7	1.0	-0.12	5.7	21.1
25.43	5.0E-04	0.00	47.2	1.57	7	52.7	43.9	96.6	22.0	38	48.9	1.0	-0.16	6.8	24.0
25.59	5.0E-05	0.00	40.0	2.24	7	44.9	72.2	117.1	28.1	38	44.3	6.0	-0.18	11.0	28.6
25.75	5.0E-05	0.00	36.9	2.54	6	41.7	92.0	133.7	30.8	38	42.2	6.0	-0.19	12.3	28.6
25.92	5.0E-04	0.00	41.1	2.09	7	46.5	65.4	111.8	26.9	38	45.3	1.0	-0.17	8.7	23.9
26.08	5.0E-05	0.00	38.8	2.38	7	44.1	80.9	125.0	29.2	38	43.8	6.0	-0.18	11.7	29.0
26.25	5.0E-05	0.00	39.1	2.79	6	44.5	102.9	147.4	31.2	38	44.1	6.0	-0.21	13.5	30.9
26.41	5.0E-05	0.00	40.0	2.83	6	45.6	103.5	149.1	31.0	38	44.8	6.0	-0.21	13.7	31.6
26.57	5.0E-05	0.00	40.8	2.57	7	46.7	87.8	134.5	29.5	38	45.4	6.0	-0.20	12.6	30.9
26.74	5.0E-05	0.00	41.2	2.47	7	47.2	83.0	130.2	28.9	38	45.8	6.0	-0.19	12.3	30.7
26.90	5.0E-04	0.00	53.3	1.67	7	61.1	46.3	107.3	21.1	40	53.1	1.0	-0.18	7.4	27.3
27.07	5.0E-03	0.00	74.0	1.18	9	84.6	29.0	113.6	14.6	40	62.5	1.0	-0.17	3.9	24.6
27.23	5.0E-03	0.00	87.2	0.99	9	99.7	21.9	121.6	11.7	42	67.2	1.0	-0.17	3.1	27.5
27.39	5.0E-03	0.00	98.8	1.00	9	113.3	20.4	133.6	10.7	42	70.8	1.0	-0.19	2.9	30.6
56	5.0E-02	0.00	106.3	0.98	9	122.1	18.8	140.9	10.0	42	73.0	1.0	-0.19	2.2	26.1
.72	5.0E+00	0.00	136.3	0.01	10	156.8	0.0	156.8	3.3	44	80.2	1.0	0.16	0.0	25.6
27.89	5.0E+00	0.00	149.8	0.01	10	172.8	0.0	172.8	3.1	44	83.0	1.0	0.16	0.0	28.2

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5259
b No: 99-315
ient: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-36
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 14:32
CPT File: 315CP36.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
0.16	4.5	0.02	0.44	0.0	1	74.5	0.01	0.01	0.00	2.00	2.2	4.3	0.36	0.00
0.33	4.1	0.02	0.49	-0.5	1	74.5	0.01	0.01	0.00	2.00	2.0	3.9	0.33	0.00
0.49	6.2	0.02	0.32	-0.5	1	74.5	0.02	0.02	0.00	2.00	3.0	5.9	0.49	0.00
0.66	10.2	0.02	0.20	-0.3	6	98.7	0.03	0.03	0.00	2.00	3.9	7.8	0.81	0.00
0.82	14.7	0.02	0.14	-0.5	6	98.7	0.03	0.03	0.00	2.00	5.6	11.3	1.17	0.00
0.98	20.1	0.02	0.10	-0.3	7	98.7	0.04	0.04	0.00	2.00	6.4	12.8	UnDef	0.09
1.15	23.3	0.02	0.09	-0.4	7	98.7	0.05	0.05	0.00	2.00	7.4	14.8	UnDef	0.09
.31	24.8	0.02	0.08	-0.5	7	98.7	0.06	0.06	0.00	2.00	7.9	15.8	UnDef	0.09
.48	26.0	0.02	0.08	0.0	7	98.7	0.07	0.07	0.00	2.00	8.3	16.6	UnDef	0.09
1.64	28.4	0.14	0.49	0.0	7	98.7	0.07	0.07	0.00	2.00	9.1	18.1	UnDef	0.09
1.80	31.9	0.23	0.72	-0.6	7	98.7	0.08	0.08	0.00	2.00	10.2	20.4	UnDef	0.10
1.97	50.9	0.24	0.47	0.0	8	101.8	0.09	0.09	0.00	2.00	12.2	24.4	UnDef	0.17
2.13	51.5	0.09	0.18	0.0	8	101.8	0.10	0.10	0.00	2.00	12.3	24.7	UnDef	0.17
2.30	42.0	0.06	0.14	0.0	8	101.8	0.11	0.11	0.00	2.00	10.0	20.1	UnDef	0.13
2.46	34.4	0.02	0.06	0.0	8	101.8	0.12	0.12	0.00	2.00	8.2	16.5	UnDef	0.11
2.62	28.7	0.02	0.07	0.0	7	98.7	0.12	0.12	0.00	2.00	9.2	18.3	UnDef	0.10
2.79	26.9	0.02	0.07	-1.4	7	98.7	0.13	0.13	0.00	2.00	8.6	17.2	UnDef	0.09
2.95	28.6	0.03	0.11	-1.3	7	98.7	0.14	0.14	0.00	2.00	9.1	18.3	UnDef	0.10
3.12	27.2	0.06	0.22	-1.2	7	98.7	0.15	0.15	0.00	2.00	8.7	17.4	UnDef	0.09
3.28	23.3	0.02	0.09	-1.1	7	98.7	0.16	0.16	0.00	2.00	7.4	14.8	UnDef	0.09
3.44	21.8	0.04	0.18	-1.4	7	98.7	0.16	0.16	0.00	2.00	7.0	13.9	UnDef	0.09
3.61	21.1	0.04	0.19	-1.3	7	98.7	0.17	0.17	0.00	2.00	6.7	13.5	UnDef	0.09
3.77	17.2	0.02	0.12	-1.3	7	98.7	0.18	0.18	0.00	2.00	5.5	11.0	UnDef	0.08
3.94	14.4	0.03	0.21	-1.3	6	98.7	0.19	0.19	0.00	2.00	5.5	11.0	1.13	0.00
4.10	13.5	0.06	0.44	-1.4	6	98.7	0.20	0.20	0.00	2.00	5.2	10.4	1.07	0.00
4.27	12.4	0.05	0.40	-1.5	6	98.7	0.20	0.20	0.00	2.00	4.7	9.5	0.97	0.00
4.43	12.9	0.06	0.47	-1.2	6	98.7	0.21	0.21	0.00	2.00	4.9	9.9	1.01	0.00
4.59	13.6	0.09	0.66	-1.4	6	98.7	0.22	0.22	0.00	2.00	5.2	10.4	1.07	0.08
4.76	15.3	0.16	1.05	-0.9	6	98.7	0.23	0.23	0.00	2.00	5.8	11.7	1.20	0.09
4.92	15.2	0.19	1.25	0.1	6	98.7	0.24	0.24	0.00	2.00	5.8	11.7	1.20	0.09
5.09	16.3	0.16	0.98	2.9	6	98.7	0.24	0.24	0.00	2.00	6.2	12.5	1.28	0.09
5.25	16.8	0.16	0.96	4.8	6	98.7	0.25	0.25	0.00	1.99	6.4	12.8	1.32	0.09
5.41	18.4	0.19	1.04	9.2	6	98.7	0.26	0.26	0.00	1.96	7.0	13.8	1.45	0.09
5.58	19.0	0.22	1.16	11.0	6	98.7	0.27	0.27	0.00	1.93	7.3	14.0	1.50	0.09
5.74	19.4	0.41	2.12	10.6	6	98.7	0.28	0.28	0.00	1.90	7.4	14.1	1.53	0.10
5.91	19.4	0.32	1.65	14.0	6	98.7	0.29	0.29	0.00	1.87	7.4	13.9	1.53	0.10
6.07	22.4	0.35	1.57	-2.6	6	98.7	0.29	0.29	0.00	1.85	8.6	15.8	1.77	0.10
6.23	21.2	0.37	1.75	2.5	6	98.7	0.30	0.30	0.00	1.82	8.1	14.8	1.67	0.10
.40	20.5	0.40	1.95	5.5	6	98.7	0.31	0.31	0.00	1.80	7.9	14.1	1.62	0.10
56	20.5	0.33	1.61	9.7	6	98.7	0.32	0.32	0.00	1.77	7.8	13.9	1.61	0.10
.73	20.1	0.32	1.60	9.6	6	98.7	0.33	0.33	0.00	1.75	7.7	13.5	1.58	0.10
6.89	19.5	0.31	1.59	11.1	6	98.7	0.33	0.33	0.00	1.73	7.5	13.0	1.54	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

)th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.6	0.28	1.43	13.3	6	98.7	0.34	0.34	0.00	1.71	7.5	12.8	1.54	0.09
7.22	19.7	0.26	1.32	15.2	6	98.7	0.35	0.35	0.00	1.69	7.6	12.8	1.55	0.09
7.38	20.5	0.26	1.27	15.5	6	98.7	0.36	0.36	0.00	1.67	7.8	13.1	1.61	0.09
7.55	20.2	0.26	1.29	13.5	6	98.7	0.37	0.37	0.00	1.65	7.7	12.8	1.59	0.09
7.71	21.4	0.26	1.22	14.7	6	98.7	0.37	0.37	0.00	1.63	8.2	13.4	1.68	0.09
7.87	24.9	0.25	1.01	9.6	6	98.7	0.38	0.38	0.00	1.62	9.5	15.4	1.96	0.09
8.04	27.3	0.20	0.73	-3.0	7	98.7	0.39	0.39	0.00	1.60	8.7	14.0	UnDef	0.09
8.20	27.5	0.11	0.40	-1.8	7	98.7	0.40	0.40	0.00	1.58	8.8	13.9	UnDef	0.09
8.37	32.4	0.06	0.19	-2.2	7	98.7	0.41	0.41	0.00	1.57	10.4	16.2	UnDef	0.09
8.53	33.5	0.02	0.06	-1.9	8	101.8	0.42	0.42	0.00	1.55	8.0	12.4	UnDef	0.09
8.69	35.6	0.02	0.06	-2.0	8	101.8	0.42	0.42	0.00	1.54	8.5	13.1	UnDef	0.09
8.86	36.8	0.02	0.05	-1.8	8	101.8	0.43	0.43	0.00	1.52	8.8	13.4	UnDef	0.10
9.02	39.5	0.02	0.05	-1.8	8	101.8	0.44	0.44	0.00	1.51	9.4	14.2	UnDef	0.10
9.19	41.7	0.02	0.05	-1.7	8	101.8	0.45	0.45	0.00	1.49	10.0	14.9	UnDef	0.10
9.35	38.7	0.02	0.05	-1.4	8	101.8	0.46	0.46	0.00	1.48	9.3	13.7	UnDef	0.10
9.51	41.5	0.02	0.05	-1.5	8	101.8	0.47	0.47	0.00	1.47	9.9	14.6	UnDef	0.10
9.68	40.4	0.02	0.05	-1.5	8	101.8	0.47	0.47	0.00	1.45	9.7	14.0	UnDef	0.10
9.84	38.1	0.02	0.05	-1.4	8	101.8	0.48	0.48	0.00	1.44	9.1	13.2	UnDef	0.09
10.01	37.0	0.02	0.05	-1.5	8	101.8	0.49	0.49	0.00	1.43	8.9	12.6	UnDef	0.09
10.17	34.2	0.02	0.06	-1.5	8	101.8	0.50	0.50	0.00	1.42	8.2	11.6	UnDef	0.09
10.33	30.1	0.07	0.23	-1.5	7	98.7	0.51	0.51	0.00	1.40	9.6	13.5	UnDef	0.09
10.50	30.5	0.15	0.49	-1.5	7	98.7	0.51	0.51	0.00	1.39	9.7	13.6	UnDef	0.09
10.66	32.5	0.21	0.65	-1.3	7	98.7	0.52	0.52	0.00	1.38	10.4	14.4	UnDef	0.10
10.83	34.6	0.20	0.58	-1.9	7	98.7	0.53	0.53	0.00	1.37	11.0	15.2	UnDef	0.10
10.99	38.5	0.03	0.08	-1.5	8	101.8	0.54	0.54	0.00	1.36	9.2	12.6	UnDef	0.09
11.15	41.8	0.02	0.05	-1.5	8	101.8	0.55	0.55	0.00	1.35	10.0	13.5	UnDef	0.10
11.32	44.8	0.02	0.04	-1.5	8	101.8	0.56	0.56	0.00	1.34	10.7	14.4	UnDef	0.10
11.48	45.6	0.02	0.04	-1.5	8	101.8	0.56	0.56	0.00	1.33	10.9	14.5	UnDef	0.10
11.65	45.2	0.02	0.04	-1.5	8	101.8	0.57	0.57	0.00	1.32	10.8	14.3	UnDef	0.10
81	46.7	0.07	0.15	-1.5	8	101.8	0.58	0.58	0.00	1.31	11.2	14.7	UnDef	0.10
.97	55.4	0.05	0.09	-1.5	8	101.8	0.59	0.59	0.00	1.30	13.3	17.3	UnDef	0.11
12.14	59.8	0.07	0.12	-1.4	8	101.8	0.60	0.60	0.00	1.29	14.3	18.5	UnDef	0.12
12.30	57.2	0.11	0.19	-1.4	8	101.8	0.61	0.61	0.00	1.28	13.7	17.6	UnDef	0.11
12.47	50.1	0.07	0.14	-1.5	8	101.8	0.61	0.61	0.00	1.28	12.0	15.3	UnDef	0.10
12.63	43.9	0.19	0.43	-1.2	8	101.8	0.62	0.62	0.00	1.27	10.5	13.3	UnDef	0.10
12.80	40.8	0.33	0.81	-1.2	7	98.7	0.63	0.63	0.00	1.26	13.0	16.4	UnDef	0.11
12.96	37.6	0.37	0.99	-1.3	7	98.7	0.64	0.64	0.00	1.25	12.0	15.0	UnDef	0.11
13.12	39.0	0.29	0.75	-0.8	7	98.7	0.65	0.65	0.00	1.24	12.4	15.5	UnDef	0.10
13.29	35.7	0.28	0.79	-1.0	7	98.7	0.66	0.66	0.00	1.24	11.4	14.1	UnDef	0.10
13.45	33.2	0.47	1.42	-0.8	6	98.7	0.66	0.66	0.00	1.23	12.7	15.6	2.60	0.11
13.62	33.9	0.41	1.21	0.8	7	98.7	0.67	0.67	0.00	1.22	10.8	13.2	UnDef	0.11
13.78	34.3	0.41	1.20	-1.2	7	98.7	0.68	0.68	0.00	1.21	10.9	13.3	UnDef	0.11
13.94	33.9	0.41	1.21	-0.9	7	98.7	0.69	0.69	0.00	1.21	10.8	13.1	UnDef	0.11
14.11	41.1	0.33	0.81	-0.8	7	98.7	0.70	0.70	0.00	1.20	13.1	15.7	UnDef	0.10
14.27	47.3	0.14	0.30	-1.2	8	101.8	0.70	0.70	0.00	1.19	11.3	13.5	UnDef	0.10
14.44	50.8	0.02	0.04	-1.0	8	101.8	0.71	0.71	0.00	1.18	12.2	14.4	UnDef	0.10
14.60	54.0	0.16	0.30	-1.2	8	101.8	0.72	0.72	0.00	1.18	12.9	15.2	UnDef	0.10
14.76	50.9	0.27	0.53	-1.0	8	101.8	0.73	0.73	0.00	1.17	12.2	14.3	UnDef	0.11
14.93	50.1	0.30	0.60	-1.1	8	101.8	0.74	0.74	0.00	1.16	12.0	14.0	UnDef	0.11
15.09	54.1	0.02	0.04	-1.1	8	101.8	0.75	0.75	0.00	1.16	13.0	15.0	UnDef	0.10
15.26	59.0	0.03	0.05	-1.1	8	101.8	0.75	0.75	0.00	1.15	14.1	16.3	UnDef	0.11
15.42	57.0	0.15	0.26	-1.2	8	101.8	0.76	0.76	0.00	1.15	13.7	15.6	UnDef	0.10
15.58	56.0	0.23	0.41	-1.2	8	101.8	0.77	0.77	0.00	1.14	13.4	15.3	UnDef	0.10
15.75	63.3	0.15	0.24	-1.0	8	101.8	0.78	0.78	0.00	1.13	15.2	17.2	UnDef	0.11
15.91	69.4	0.15	0.22	-0.8	8	101.8	0.79	0.79	0.00	1.13	16.6	18.7	UnDef	0.12
16.08	67.8	0.02	0.03	-0.6	8	101.8	0.80	0.80	0.00	1.12	16.2	18.2	UnDef	0.12
16.24	67.2	0.06	0.09	-0.6	8	101.8	0.80	0.80	0.00	1.12	16.1	17.9	UnDef	0.12
16.40	68.4	0.09	0.13	-0.7	8	101.8	0.81	0.81	0.00	1.11	16.4	18.2	UnDef	0.12
16.57	69.0	0.09	0.13	-0.6	8	101.8	0.82	0.82	0.00	1.10	16.5	18.2	UnDef	0.12
16.73	66.4	0.09	0.14	-0.6	8	101.8	0.83	0.83	0.00	1.10	15.9	17.4	UnDef	0.11
.90	63.0	0.08	0.13	-0.7	8	101.8	0.84	0.84	0.00	1.09	15.1	16.5	UnDef	0.11
06	60.2	0.08	0.13	-0.6	8	101.8	0.85	0.85	0.00	1.09	14.4	15.7	UnDef	0.10
.22	59.0	0.14	0.24	-0.7	8	101.8	0.85	0.85	0.00	1.08	14.1	15.3	UnDef	0.10
17.39	55.9	0.27	0.48	-0.6	8	101.8	0.86	0.86	0.00	1.08	13.4	14.4	UnDef	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	52.2	0.45	0.86	-0.6	7	98.7	0.87	0.87	0.00	1.07	16.7	17.9	UnDef	0.12
17.72	52.3	0.43	0.82	-0.8	7	98.7	0.88	0.88	0.00	1.07	16.7	17.8	UnDef	0.12
17.88	50.3	0.48	0.96	-0.5	7	98.7	0.89	0.89	0.00	1.06	16.1	17.1	UnDef	0.12
18.04	47.7	0.42	0.88	-0.6	7	98.7	0.90	0.90	0.00	1.06	15.2	16.1	UnDef	0.11
18.21	44.8	0.43	0.96	-0.7	7	98.7	0.90	0.90	0.00	1.05	14.3	15.1	UnDef	0.11
18.37	46.4	0.49	1.06	-0.6	7	98.7	0.91	0.91	0.00	1.05	14.8	15.5	UnDef	0.12
18.54	52.2	0.43	0.83	-1.0	7	98.7	0.92	0.92	0.00	1.04	16.7	17.4	UnDef	0.12
18.70	60.7	0.19	0.31	-0.7	8	101.8	0.93	0.93	0.00	1.04	14.5	15.1	UnDef	0.10
18.86	63.8	0.20	0.31	-0.7	8	101.8	0.94	0.94	0.00	1.03	15.3	15.8	UnDef	0.11
19.03	53.0	0.32	0.61	-0.8	8	101.8	0.94	0.94	0.00	1.03	12.7	13.1	UnDef	0.11
19.19	48.7	0.38	0.78	-0.4	7	98.7	0.95	0.95	0.00	1.02	15.5	15.9	UnDef	0.11
19.36	55.6	0.44	0.79	-0.3	8	101.8	0.96	0.96	0.00	1.02	13.3	13.6	UnDef	0.12
19.52	56.5	0.56	0.99	-0.1	7	98.7	0.97	0.97	0.00	1.02	18.0	18.3	UnDef	0.13
19.68	51.7	0.29	0.56	-0.1	8	101.8	0.98	0.98	0.00	1.01	12.4	12.5	UnDef	0.11
19.85	49.9	0.25	0.50	-0.2	8	101.8	0.99	0.99	0.00	1.01	11.9	12.0	UnDef	0.10
20.01	50.1	0.34	0.68	-0.2	7	98.7	0.99	0.99	0.00	1.00	16.0	16.0	UnDef	0.11
20.18	53.9	0.31	0.58	-0.7	8	101.8	1.00	1.00	0.00	1.00	12.9	12.9	UnDef	0.11
20.34	51.9	0.31	0.60	-0.1	8	101.8	1.01	1.01	0.00	0.99	12.4	12.4	UnDef	0.11
20.51	48.2	0.37	0.77	-0.4	7	98.7	1.02	1.02	0.00	0.99	15.4	15.2	UnDef	0.11
20.67	42.8	0.36	0.84	-0.1	7	98.7	1.03	1.03	0.00	0.99	13.7	13.5	UnDef	0.11
20.83	36.2	0.58	1.61	-0.1	6	98.7	1.03	1.03	0.00	0.98	13.9	13.6	2.81	0.14
21.00	33.0	0.72	2.19	1.9	6	98.7	1.04	1.04	0.00	0.98	12.6	12.4	2.55	0.22
21.16	29.7	0.57	1.93	6.6	6	98.7	1.05	1.05	0.00	0.98	11.4	11.1	2.29	0.19
21.33	26.6	0.41	1.54	11.5	6	98.7	1.06	1.06	0.00	0.97	10.2	9.9	2.05	0.15
21.49	27.0	0.32	1.19	13.5	6	98.7	1.07	1.07	0.00	0.97	10.3	10.0	2.07	0.11
21.65	27.9	0.31	1.12	15.4	6	98.7	1.08	1.08	0.00	0.96	10.7	10.3	2.14	0.11
21.82	28.2	0.32	1.14	16.9	6	98.7	1.08	1.08	0.00	0.96	10.8	10.4	2.17	0.11
21.98	29.7	0.34	1.15	18.5	7	98.7	1.09	1.09	0.00	0.96	9.5	9.1	UnDef	0.11
22.15	25.7	0.59	2.30	20.0	6	98.7	1.10	1.10	0.00	0.95	9.8	9.4	1.97	0.24
22.31	22.7	0.52	2.30	20.9	6	98.7	1.11	1.11	0.00	0.95	8.7	8.3	1.73	0.19
22.47	30.5	0.48	1.58	-1.5	6	98.7	1.12	1.12	0.00	0.95	11.7	11.1	2.35	0.15
22.64	27.5	0.44	1.60	4.1	6	98.7	1.12	1.12	0.00	0.94	10.5	9.9	2.11	0.17
22.80	27.2	0.42	1.55	5.9	6	98.7	1.13	1.13	0.00	0.94	10.4	9.8	2.09	0.16
22.97	27.6	0.38	1.38	7.5	6	98.7	1.14	1.14	0.00	0.94	10.6	9.9	2.12	0.14
23.13	28.3	0.41	1.45	8.3	6	98.7	1.15	1.15	0.00	0.93	10.9	10.1	2.18	0.15
23.29	30.8	0.46	1.50	9.7	6	98.7	1.16	1.16	0.00	0.93	11.8	11.0	2.37	0.15
23.46	30.6	0.48	1.57	8.3	6	98.7	1.16	1.16	0.00	0.93	11.7	10.9	2.35	0.16
23.62	34.0	0.37	1.09	9.6	7	98.7	1.17	1.17	0.00	0.92	10.9	10.0	UnDef	0.11
23.79	49.7	0.21	0.42	2.8	8	101.8	1.18	1.18	0.00	0.92	11.9	11.0	UnDef	0.09
23.95	55.6	0.21	0.38	-0.6	8	101.8	1.19	1.19	0.00	0.92	13.3	12.2	UnDef	0.09
24.11	55.1	0.50	0.91	-0.3	7	98.7	1.20	1.20	0.00	0.91	17.6	16.1	UnDef	0.12
24.28	50.7	0.89	1.76	-0.5	7	98.7	1.21	1.21	0.00	0.91	16.2	14.7	UnDef	0.17
24.44	43.0	1.13	2.63	-0.4	6	98.7	1.21	1.21	0.00	0.91	16.5	15.0	3.34	0.37
24.61	44.3	1.14	2.58	0.0	6	98.7	1.22	1.22	0.00	0.90	17.0	15.4	3.45	0.34
24.77	41.6	0.93	2.24	-0.6	6	98.7	1.23	1.23	0.00	0.90	16.0	14.4	3.23	0.26
24.93	45.8	0.71	1.55	-0.6	7	98.7	1.24	1.24	0.00	0.90	14.6	13.1	UnDef	0.15
25.10	57.4	0.44	0.77	-1.3	8	101.8	1.25	1.25	0.00	0.90	13.7	12.3	UnDef	0.12
25.26	58.3	0.31	0.53	-0.8	8	101.8	1.25	1.25	0.00	0.89	13.9	12.5	UnDef	0.11
25.43	56.9	0.37	0.65	-0.7	8	101.8	1.26	1.26	0.00	0.89	13.6	12.1	UnDef	0.11
25.59	58.6	0.53	0.91	-0.6	7	98.7	1.27	1.27	0.00	0.89	18.7	16.6	UnDef	0.12
25.75	74.2	0.87	1.17	-0.8	8	101.8	1.28	1.28	0.00	0.88	17.8	15.7	UnDef	0.16
25.92	76.9	1.00	1.30	-0.6	7	98.7	1.29	1.29	0.00	0.88	24.6	21.6	UnDef	0.18
26.08	141.3	1.04	0.74	-0.9	9	101.8	1.30	1.30	0.00	0.88	27.1	23.8	UnDef	0.30
26.25	206.4	0.02	0.01	-0.5	10	127.3	1.30	1.30	0.00	0.88	32.9	28.8	UnDef	0.00
26.41	213.4	0.02	0.01	-0.5	10	127.3	1.32	1.32	0.00	0.87	34.1	29.7	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5259
'ob No: 99-315
ient: Stone & Webster Engineering
roject: Private Fuel Storage Faclity
Site: CPT-36
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/28/04
CPT Time: 14:32
CPT File: 315CP36.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	740.7	0.44	10	8.7	0.0	8.7	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.3
0.33	1.7E-07	0.00	333.6	0.49	10	7.8	0.0	7.8	0.6	UnDef	UnDef	10.0	UnDef	0.0	3.9
0.49	1.7E-07	0.00	336.9	0.32	10	11.9	0.0	11.9	0.0	UnDef	UnDef	10.0	UnDef	0.0	5.9
0.66	5.0E-05	0.00	398.3	0.20	10	19.4	0.0	19.4	0.0	48	53.7	10.0	-0.17	0.0	7.8
0.82	5.0E-05	0.00	437.4	0.14	10	28.1	0.0	28.1	0.0	48	60.4	10.0	-0.15	0.0	11.3
0.98	5.0E-04	0.00	481.0	0.10	10	38.4	0.0	38.4	0.0	48	66.2	1.0	-0.13	0.0	12.8
1.15	5.0E-04	0.00	466.9	0.09	10	44.5	0.0	44.5	0.0	48	67.9	1.0	-0.11	0.0	14.8
1.31	5.0E-04	0.00	427.9	0.08	10	47.5	0.0	47.5	0.0	48	67.5	1.0	-0.10	0.0	15.8
.48	5.0E-04	0.00	393.6	0.08	10	49.8	0.0	49.8	0.0	48	67.0	1.0	-0.09	0.0	16.6
.64	5.0E-04	0.00	382.3	0.50	10	54.3	0.0	54.3	0.2	48	67.9	1.0	-0.25	0.0	18.1
1.80	5.0E-04	0.00	388.1	0.72	9	61.2	0.0	61.2	1.4	48	69.8	1.0	-0.28	0.0	20.4
1.97	5.0E-03	0.00	562.8	0.47	10	97.5	0.0	97.5	0.0	50	81.8	1.0	-0.28	0.0	24.4
2.13	5.0E-03	0.00	520.9	0.18	10	98.6	0.0	98.6	0.0	48	80.8	1.0	-0.18	0.0	24.7
2.30	5.0E-03	0.00	391.2	0.14	10	80.4	0.0	80.4	0.0	48	73.8	1.0	-0.14	0.0	20.1
2.46	5.0E-03	0.00	297.5	0.06	10	66.0	0.0	66.0	0.0	46	67.0	1.0	-0.04	0.0	16.5
2.62	5.0E-04	0.00	231.1	0.07	10	54.9	0.0	54.9	0.0	46	60.8	1.0	-0.04	0.0	18.3
2.79	5.0E-04	0.00	203.2	0.07	10	51.5	0.0	51.5	0.0	46	58.1	1.0	-0.03	0.0	17.2
2.95	5.0E-04	0.00	203.7	0.11	10	54.8	0.0	54.8	0.0	46	59.0	1.0	-0.06	0.0	18.3
3.12	5.0E-04	0.00	183.0	0.22	9	52.1	0.0	52.1	0.8	44	56.7	1.0	-0.11	0.0	17.4
3.28	5.0E-04	0.00	148.1	0.09	10	44.5	0.0	44.5	0.5	44	51.5	1.0	-0.02	0.0	14.8
3.44	5.0E-04	0.00	131.7	0.19	9	41.7	0.0	41.7	2.0	44	48.9	1.0	-0.07	0.0	13.9
3.61	5.0E-04	0.00	121.4	0.19	9	40.4	0.0	40.4	2.5	42	47.2	1.0	-0.07	0.0	13.5
3.77	5.0E-04	0.00	94.3	0.12	9	32.9	0.0	32.9	3.2	42	40.7	1.0	0.00	0.0	11.0
3.94	5.0E-05	0.00	75.3	0.21	9	27.5	0.0	27.5	5.0	40	35.0	10.0	-0.03	0.0	11.0
4.10	5.0E-05	0.00	67.9	0.45	9	25.9	0.0	25.9	5.0	40	32.7	10.0	-0.08	0.0	10.4
4.27	5.0E-05	0.00	59.6	0.41	9	23.7	0.0	23.7	5.0	40	30.0	10.0	-0.07	0.0	9.5
4.43	5.0E-05	0.00	59.7	0.47	9	24.7	0.0	24.7	5.0	40	30.1	10.0	-0.08	0.0	9.9
4.59	5.0E-05	0.00	60.6	0.67	9	26.0	6.6	32.7	12.6	40	31.1	10.0	-0.11	1.5	11.9
4.76	5.0E-05	0.00	65.7	1.07	7	29.2	10.6	39.8	14.9	40	33.9	10.0	-0.15	2.3	14.0
4.92	5.0E-05	0.00	63.2	1.27	7	29.1	13.3	42.5	16.8	40	33.3	10.0	-0.17	2.8	14.5
5.09	5.0E-05	0.01	65.6	1.00	9	31.2	10.6	41.8	14.5	40	34.8	10.0	-0.15	2.3	14.8
5.25	5.0E-05	0.01	65.2	0.97	9	32.1	10.6	42.7	14.3	40	35.2	10.0	-0.14	2.4	15.1
5.41	5.0E-05	0.02	69.4	1.05	9	35.2	11.6	46.8	14.3	40	37.3	10.0	-0.16	2.5	16.3
5.58	5.0E-05	0.02	69.7	1.18	7	35.9	13.3	49.2	15.1	40	37.9	10.0	-0.17	2.9	16.9
5.74	5.0E-05	0.02	69.0	2.15	7	36.1	26.2	62.3	20.8	40	38.0	10.0	-0.23	5.0	19.2
5.91	5.0E-05	0.02	67.0	1.68	7	35.6	20.3	55.9	18.6	40	37.7	10.0	-0.20	4.1	18.0
6.07	5.0E-05	0.00	75.4	1.59	7	40.5	18.8	59.2	16.9	40	41.4	10.0	-0.21	3.9	19.8
6.23	5.0E-05	0.00	69.4	1.77	7	37.8	22.0	59.8	18.8	40	39.4	10.0	-0.21	4.4	19.2
6.40	5.0E-05	0.01	65.3	1.98	7	36.1	25.6	61.7	20.5	40	38.1	10.0	-0.22	5.0	19.1
.56	5.0E-05	0.01	63.5	1.64	7	35.6	21.2	56.8	19.0	40	37.6	10.0	-0.19	4.2	18.2
.73	5.0E-05	0.02	60.7	1.62	7	34.5	21.5	55.9	19.4	40	36.7	10.0	-0.18	4.3	17.8
.89	5.0E-05	0.02	57.5	1.62	7	33.1	22.0	55.1	20.0	40	35.6	10.0	-0.18	4.3	17.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.02	56.3	1.46	7	32.8	20.1	52.9	19.2	40	35.3	10.0	-0.17	4.0	16.8
7.22	5.0E-05	0.02	55.4	1.34	7	32.7	18.8	51.5	18.7	40	35.2	10.0	-0.16	3.8	16.6
7.38	5.0E-05	0.02	56.1	1.30	7	33.4	18.3	51.7	18.2	40	35.9	10.0	-0.15	3.7	16.8
7.55	5.0E-05	0.02	54.1	1.32	7	32.6	19.0	51.6	18.8	40	35.2	10.0	-0.15	3.8	16.6
7.71	5.0E-05	0.02	56.2	1.24	7	34.2	17.8	52.1	17.8	40	36.5	10.0	-0.15	3.7	17.1
7.87	5.0E-05	0.01	64.1	1.02	9	39.4	14.1	53.5	14.9	40	40.6	10.0	-0.15	3.0	18.5
8.04	5.0E-04	0.00	68.9	0.74	9	42.8	9.8	52.6	12.0	40	42.9	1.0	-0.13	1.8	15.8
8.20	5.0E-04	0.00	67.9	0.41	9	42.6	0.0	42.6	5.0	40	42.8	1.0	-0.08	0.0	13.9
8.37	5.0E-04	0.00	78.7	0.19	9	49.8	0.0	49.8	5.0	42	47.3	1.0	-0.03	0.0	16.2
8.53	5.0E-03	0.00	79.6	0.06	9	50.8	0.0	50.8	3.9	42	47.9	1.0	0.06	0.0	12.4
8.69	5.0E-03	0.00	83.0	0.06	9	53.5	0.0	53.5	3.6	42	49.4	1.0	0.07	0.0	13.1
8.86	5.0E-03	0.00	84.2	0.06	9	54.8	0.0	54.8	3.5	42	50.0	1.0	0.07	0.0	13.4
9.02	5.0E-03	0.00	88.7	0.05	9	58.2	0.0	58.2	3.2	42	51.8	1.0	0.07	0.0	14.2
9.19	5.0E-03	0.00	92.0	0.05	9	60.9	0.0	60.9	3.0	42	53.1	1.0	0.07	0.0	14.9
9.35	5.0E-03	0.00	83.7	0.05	9	56.0	0.0	56.0	3.5	42	50.7	1.0	0.07	0.0	13.7
9.51	5.0E-03	0.00	88.1	0.05	9	59.5	0.0	59.5	3.2	42	52.4	1.0	0.07	0.0	14.6
9.68	5.0E-03	0.00	84.3	0.05	9	57.4	0.0	57.4	3.5	42	51.4	1.0	0.08	0.0	14.0
9.84	5.0E-03	0.00	78.1	0.05	9	53.7	0.0	53.7	4.0	42	49.5	1.0	0.08	0.0	13.2
10.01	5.0E-03	0.00	74.4	0.05	9	51.7	0.0	51.7	4.3	40	48.4	1.0	0.08	0.0	12.6
10.17	5.0E-03	0.00	67.5	0.06	9	47.4	0.0	47.4	5.0	40	45.8	1.0	0.08	0.0	11.6
10.33	5.0E-04	0.00	58.4	0.24	9	41.4	0.0	41.4	5.0	40	42.0	1.0	-0.02	0.0	13.5
10.50	5.0E-04	0.00	58.2	0.50	9	41.6	8.4	50.0	11.3	40	42.1	1.0	-0.08	1.6	15.2
10.66	5.0E-04	0.00	61.2	0.66	9	44.0	10.8	54.8	12.4	40	43.7	1.0	-0.11	2.0	16.4
10.83	5.0E-04	0.00	64.2	0.59	9	46.5	9.3	55.8	11.2	40	45.3	1.0	-0.10	1.8	16.9
10.99	5.0E-03	0.00	70.4	0.08	9	51.3	0.0	51.3	4.8	40	48.2	1.0	0.05	0.0	12.6
11.15	5.0E-03	0.00	75.3	0.05	9	55.2	0.0	55.2	4.3	40	50.3	1.0	0.09	0.0	13.5
11.32	5.0E-03	0.00	79.6	0.05	9	58.9	0.0	58.9	3.9	42	52.1	1.0	0.09	0.0	14.4
11.48	5.0E-03	0.00	79.8	0.04	9	59.4	0.0	59.4	3.9	42	52.3	1.0	0.09	0.0	14.5
11.65	5.0E-03	0.00	78.0	0.04	9	58.5	0.0	58.5	4.1	40	51.9	1.0	0.09	0.0	14.3
.81	5.0E-03	0.00	79.3	0.15	9	59.9	0.0	59.9	4.7	42	52.6	1.0	-0.01	0.0	14.7
.97	5.0E-03	0.00	93.1	0.09	9	70.7	0.0	70.7	3.0	42	57.3	1.0	0.02	0.0	17.3
12.14	5.0E-03	0.00	99.1	0.12	9	75.8	0.0	75.8	2.9	42	59.3	1.0	-0.01	0.0	18.5
12.30	5.0E-03	0.00	93.4	0.19	9	71.9	0.0	71.9	4.1	42	57.8	1.0	-0.04	0.0	17.6
12.47	5.0E-03	0.00	80.5	0.14	9	62.5	0.0	62.5	4.5	42	53.8	1.0	-0.01	0.0	15.3
12.63	5.0E-03	0.00	69.5	0.44	9	54.5	0.0	54.5	5.0	40	49.9	1.0	-0.08	0.0	13.3
12.80	5.0E-04	0.00	63.7	0.82	9	50.3	14.5	64.8	13.4	40	47.6	1.0	-0.13	2.7	19.1
12.96	5.0E-04	0.00	57.9	1.00	7	46.0	18.6	64.7	15.8	40	45.0	1.0	-0.14	3.3	18.3
13.12	5.0E-04	0.00	59.2	0.76	9	47.4	14.1	61.5	13.6	40	45.9	1.0	-0.11	2.6	18.0
13.29	5.0E-04	0.00	53.5	0.80	9	43.2	15.7	58.9	15.0	40	43.2	1.0	-0.11	2.8	16.9
13.45	5.0E-05	0.00	49.1	1.45	7	39.9	29.1	69.0	20.8	38	40.9	6.0	-0.15	5.6	21.2
13.62	5.0E-04	0.00	49.4	1.24	7	40.4	24.9	65.4	19.3	38	41.3	1.0	-0.14	4.1	17.3
13.78	5.0E-04	0.00	49.5	1.22	7	40.7	24.8	65.5	19.2	38	41.5	1.0	-0.14	4.1	17.4
13.94	5.0E-04	0.00	48.3	1.24	7	40.0	25.4	65.4	19.5	38	41.0	1.0	-0.14	4.2	17.2
14.11	5.0E-04	0.00	58.0	0.82	9	48.2	15.9	64.1	14.3	40	46.4	1.0	-0.12	2.9	18.6
14.27	5.0E-03	0.00	66.1	0.30	9	55.1	0.0	55.1	5.0	40	50.2	1.0	-0.05	0.0	13.5
14.44	5.0E-03	0.00	70.4	0.04	9	59.0	0.0	59.0	4.9	40	52.1	1.0	0.11	0.0	14.4
14.60	5.0E-03	0.00	74.0	0.30	9	62.3	0.0	62.3	5.0	40	53.7	1.0	-0.06	0.0	15.2
14.76	5.0E-03	0.00	68.8	0.54	9	58.3	9.3	67.6	10.1	40	51.8	1.0	-0.10	1.3	15.6
14.93	5.0E-03	0.00	67.0	0.61	9	57.1	11.0	68.1	11.0	40	51.2	1.0	-0.11	1.6	15.6
15.09	5.0E-03	0.00	71.5	0.04	9	61.3	0.0	61.3	4.8	40	53.3	1.0	0.11	0.0	15.0
15.26	5.0E-03	0.00	77.2	0.05	9	66.4	0.0	66.4	4.1	40	55.6	1.0	0.08	0.0	16.3
15.42	5.0E-03	0.00	73.8	0.27	9	63.9	0.0	63.9	5.0	40	54.5	1.0	-0.05	0.0	15.6
15.58	5.0E-03	0.00	71.6	0.42	9	62.4	0.0	62.4	5.0	40	53.7	1.0	-0.08	0.0	15.3
15.75	5.0E-03	0.00	80.2	0.24	9	70.2	0.0	70.2	5.0	42	57.1	1.0	-0.05	0.0	17.2
15.91	5.0E-03	0.00	87.2	0.22	9	76.6	0.0	76.6	4.8	42	59.6	1.0	-0.05	0.0	18.7
16.08	5.0E-03	0.00	84.2	0.03	9	74.4	0.0	74.4	3.9	42	58.8	1.0	0.12	0.0	18.2
16.24	5.0E-03	0.00	82.6	0.09	9	73.3	0.0	73.3	3.8	42	58.4	1.0	0.03	0.0	17.9
16.40	5.0E-03	0.00	83.2	0.13	9	74.3	0.0	74.3	4.2	42	58.7	1.0	0.00	0.0	18.2
16.57	5.0E-03	0.00	83.0	0.13	9	74.5	0.0	74.5	4.2	42	58.8	1.0	0.00	0.0	18.2
16.73	5.0E-03	0.00	79.0	0.14	9	71.3	0.0	71.3	4.6	42	57.6	1.0	0.00	0.0	17.4
.90	5.0E-03	0.00	74.3	0.13	9	67.4	0.0	67.4	4.9	40	56.0	1.0	0.01	0.0	16.5
06	5.0E-03	0.00	70.2	0.14	9	64.1	0.0	64.1	5.0	40	54.5	1.0	0.01	0.0	15.7
.22	5.0E-03	0.00	68.1	0.24	9	62.5	0.0	62.5	5.0	40	53.8	1.0	-0.03	0.0	15.3
17.39	5.0E-03	0.00	63.8	0.49	9	58.9	0.0	58.9	5.0	40	52.1	1.0	-0.09	0.0	14.4

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5259
CPT File: 315CP36.COR

oth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-04	0.00	58.9	0.88	9	54.7	18.9	73.7	14.6	40	50.0	1.0	-0.13	3.4	21.3
17.72	5.0E-04	0.00	58.4	0.84	9	54.5	18.2	72.8	14.4	40	49.9	1.0	-0.12	3.3	21.1
17.88	5.0E-04	0.00	55.7	0.97	7	52.3	21.6	73.9	16.0	40	48.7	1.0	-0.13	3.8	20.9
18.04	5.0E-04	0.00	52.3	0.90	7	49.3	20.7	70.1	16.1	38	47.0	1.0	-0.12	3.7	19.7
18.21	5.0E-04	0.00	48.6	0.98	7	46.2	23.2	69.4	17.5	38	45.1	1.0	-0.12	4.0	19.1
18.37	5.0E-04	0.00	50.0	1.08	7	47.6	25.3	72.9	18.0	38	46.0	1.0	-0.13	4.3	19.8
18.54	5.0E-04	0.00	55.7	0.84	9	53.3	19.1	72.4	14.9	40	49.2	1.0	-0.12	3.4	20.8
18.70	5.0E-03	0.00	64.4	0.32	9	61.7	0.0	61.7	5.0	40	53.4	1.0	-0.05	0.0	15.1
18.86	5.0E-03	0.00	67.2	0.32	9	64.5	0.0	64.5	5.0	40	54.7	1.0	-0.06	0.0	15.8
19.03	5.0E-03	0.00	55.1	0.62	9	53.4	14.5	67.9	13.0	40	49.3	1.0	-0.09	2.0	15.1
19.19	5.0E-04	0.00	50.1	0.80	7	48.8	19.5	68.3	15.7	38	46.7	1.0	-0.10	3.5	19.4
19.36	5.0E-03	0.00	56.9	0.81	9	55.6	18.6	74.1	14.4	40	50.4	1.0	-0.12	2.5	16.1
19.52	5.0E-04	0.00	57.3	1.01	7	56.2	23.2	79.4	15.9	40	50.8	1.0	-0.14	4.1	22.4
19.68	5.0E-03	0.00	51.9	0.57	9	51.2	14.3	65.5	13.2	38	48.1	1.0	-0.08	2.0	14.5
19.85	5.0E-03	0.00	49.6	0.51	9	49.2	13.4	62.6	13.0	38	46.9	1.0	-0.07	1.9	13.9
20.01	5.0E-04	0.00	49.4	0.69	9	49.2	17.7	66.8	14.9	38	46.9	1.0	-0.09	3.2	19.2
20.18	5.0E-03	0.00	52.8	0.59	9	52.7	14.7	67.4	13.2	40	48.9	1.0	-0.08	2.0	14.9
20.34	5.0E-03	0.00	50.3	0.61	9	50.5	15.7	66.2	13.9	38	47.7	1.0	-0.08	2.2	14.5
20.51	5.0E-04	0.00	46.3	0.79	7	46.7	20.6	67.3	16.5	38	45.5	1.0	-0.09	3.6	18.8
20.67	5.0E-04	0.00	40.7	0.86	7	41.3	23.8	65.1	18.7	38	42.0	1.0	-0.09	4.0	17.5
20.83	5.0E-05	0.00	34.0	1.65	7	34.8	49.5	84.3	27.0	36	37.1	6.0	-0.13	7.9	21.5
21.00	5.0E-05	0.00	30.6	2.26	6	31.6	83.5	115.1	32.2	36	34.2	6.0	-0.15	10.3	22.6
21.16	5.0E-05	0.01	27.2	2.00	6	28.3	78.3	106.7	32.5	36	31.1	6.0	-0.12	9.4	20.5
21.33	5.0E-05	0.01	24.1	1.61	7	25.3	64.9	90.3	31.9	34	30.0	6.0	-0.09	8.1	18.0
21.49	5.0E-05	0.02	24.3	1.24	7	25.5	46.1	71.7	29.1	34	30.0	6.0	-0.07	6.7	16.7
21.65	5.0E-05	0.02	24.9	1.16	7	26.3	42.0	68.3	28.0	34	30.0	6.0	-0.07	6.4	16.7
21.82	5.0E-05	0.02	25.1	1.18	7	26.6	42.8	69.4	28.1	34	30.0	6.0	-0.07	6.5	16.9
21.98	5.0E-04	0.02	26.2	1.19	7	27.8	42.0	69.8	27.5	34	30.6	1.0	-0.07	5.5	14.5
22.15	5.0E-05	0.03	22.4	2.40	6	24.0	96.0	119.9	38.2	34	30.0	6.0	-0.12	9.4	18.8
.31	5.0E-05	0.03	19.5	2.41	6	21.1	84.5	105.6	40.7	32	30.0	6.0	-0.10	8.3	16.5
.47	5.0E-05	0.00	26.4	1.64	7	28.3	62.0	90.3	30.7	34	31.1	6.0	-0.10	8.3	19.4
22.64	5.0E-05	0.00	23.5	1.67	6	25.4	73.9	99.3	32.9	34	30.0	6.0	-0.09	8.7	18.6
22.80	5.0E-05	0.01	23.1	1.61	7	25.1	71.5	96.6	32.7	34	30.0	6.0	-0.09	8.5	18.3
22.97	5.0E-05	0.01	23.2	1.44	7	25.3	60.1	85.4	31.3	34	30.0	6.0	-0.08	7.8	17.7
23.13	5.0E-05	0.01	23.7	1.51	7	25.9	63.3	89.2	31.6	34	30.0	6.0	-0.08	8.1	18.2
23.29	5.0E-05	0.01	25.6	1.56	7	28.0	60.7	88.8	30.6	34	30.8	6.0	-0.09	8.2	19.2
23.46	5.0E-05	0.01	25.3	1.64	7	27.7	66.3	94.0	31.4	34	30.5	6.0	-0.10	8.6	19.4
23.62	5.0E-04	0.01	28.0	1.13	7	30.8	39.2	70.0	26.0	36	33.5	1.0	-0.08	5.4	15.4
23.79	5.0E-03	0.00	41.1	0.43	9	44.8	0.0	44.8	5.0	38	44.2	1.0	-0.04	0.0	11.0
23.95	5.0E-03	0.00	45.7	0.39	9	49.9	0.0	49.9	5.0	38	47.3	1.0	-0.04	0.0	12.2
24.11	5.0E-04	0.00	45.0	0.93	7	49.3	26.3	75.6	18.0	38	47.0	1.0	-0.11	4.5	20.6
24.28	5.0E-04	0.00	41.0	1.80	7	45.2	53.4	98.6	25.3	38	44.5	1.0	-0.16	7.6	22.3
24.44	5.0E-05	0.00	34.4	2.71	6	38.2	108.0	146.2	32.7	36	39.7	6.0	-0.19	12.8	27.8
24.61	5.0E-05	0.00	35.3	2.65	6	39.3	101.3	140.6	32.0	38	40.5	6.0	-0.19	12.6	28.0
24.77	5.0E-05	0.00	32.9	2.31	6	36.8	86.9	123.6	31.3	36	38.6	6.0	-0.16	11.3	25.7
24.93	5.0E-04	0.00	36.0	1.60	7	40.3	50.3	90.6	25.8	38	41.2	1.0	-0.13	7.0	20.1
25.10	5.0E-03	0.00	45.1	0.79	7	50.3	23.0	73.4	16.8	38	47.6	1.0	-0.09	3.0	15.3
25.26	5.0E-03	0.00	45.4	0.55	9	50.9	16.9	67.8	14.3	38	47.9	1.0	-0.06	2.3	14.8
25.43	5.0E-03	0.00	44.0	0.67	7	49.5	20.4	69.9	15.9	38	47.1	1.0	-0.08	2.7	14.8
25.59	5.0E-04	0.00	45.1	0.93	7	50.9	27.0	77.8	18.0	38	47.9	1.0	-0.11	4.6	21.2
25.75	5.0E-03	0.00	57.0	1.20	7	64.2	31.6	95.8	17.4	40	54.6	1.0	-0.15	4.1	19.8
25.92	5.0E-04	0.00	58.7	1.33	7	66.3	34.9	101.2	17.9	40	55.5	1.0	-0.16	5.9	27.6
26.08	5.0E-02	0.00	108.1	0.74	9	121.5	11.4	132.9	8.2	42	72.9	1.0	-0.17	1.3	25.1
26.25	5.0E+00	0.00	157.2	0.01	10	176.8	0.0	176.8	2.8	44	83.6	1.0	0.16	0.0	28.8
26.41	5.0E+00	0.00	161.2	0.01	10	182.1	0.0	182.1	2.8	44	84.4	1.0	0.16	0.0	29.7

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5298
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-37
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 11:36
CPT File: 315CP37.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60 (blows/ft)	Su (tsf)	CRR
0.16	4.7	0.02	0.42	0.1	1	74.5	0.01	0.01	0.00	2.00	2.3	4.5	0.38	0.00
0.33	15.5	0.03	0.19	-0.1	6	98.7	0.01	0.01	0.00	2.00	5.9	11.9	1.24	0.00
0.49	22.0	0.03	0.14	-0.2	7	98.7	0.02	0.02	0.00	2.00	7.0	14.0	UnDef	0.09
0.66	21.0	0.02	0.10	-0.1	7	98.7	0.03	0.03	0.00	2.00	6.7	13.4	UnDef	0.09
0.82	19.7	0.02	0.10	0.0	7	98.7	0.04	0.04	0.00	2.00	6.3	12.6	UnDef	0.09
0.98	18.1	0.02	0.11	0.1	7	98.7	0.05	0.05	0.00	2.00	5.8	11.5	UnDef	0.08
1.15	15.5	0.02	0.13	-0.1	6	98.7	0.05	0.05	0.00	2.00	5.9	11.8	1.23	0.00
.31	14.1	0.02	0.14	-0.2	6	98.7	0.06	0.06	0.00	2.00	5.4	10.8	1.12	0.00
.48	14.7	0.02	0.14	-0.2	6	98.7	0.07	0.07	0.00	2.00	5.6	11.3	1.17	0.00
1.64	14.8	0.02	0.14	-0.2	6	98.7	0.08	0.08	0.00	2.00	5.7	11.3	1.17	0.00
1.80	14.6	0.02	0.14	0.2	6	98.7	0.09	0.09	0.00	2.00	5.6	11.2	1.16	0.00
1.97	15.1	0.02	0.13	0.0	6	98.7	0.09	0.09	0.00	2.00	5.8	11.6	1.20	0.00
2.13	14.6	0.02	0.14	-0.1	6	98.7	0.10	0.10	0.00	2.00	5.6	11.2	1.16	0.00
2.30	14.2	0.02	0.14	-0.6	6	98.7	0.11	0.11	0.00	2.00	5.5	10.9	1.13	0.00
2.46	12.8	0.07	0.55	-0.2	6	98.7	0.12	0.12	0.00	2.00	4.9	9.8	1.02	0.00
2.62	11.0	0.03	0.27	0.0	6	98.7	0.13	0.13	0.00	2.00	4.2	8.5	0.87	0.00
2.79	13.9	0.05	0.36	-0.3	6	98.7	0.13	0.13	0.00	2.00	5.3	10.7	1.10	0.00
2.95	19.4	0.15	0.78	-0.2	6	98.7	0.14	0.14	0.00	2.00	7.4	14.8	1.54	0.09
3.12	25.7	0.33	1.29	-0.2	6	98.7	0.15	0.15	0.00	2.00	9.8	19.7	2.04	0.09
3.28	42.9	0.72	1.68	-0.4	7	98.7	0.16	0.16	0.00	2.00	13.7	27.4	UnDef	0.14
3.44	57.4	1.25	2.18	-0.1	6	98.7	0.17	0.17	0.00	2.00	22.0	44.0	4.58	0.00
3.61	47.2	1.65	3.50	-0.1	5	85.3	0.17	0.17	0.00	2.00	22.6	45.2	3.76	0.00
3.77	36.3	1.68	4.63	-2.2	4	79.6	0.18	0.18	0.00	2.00	23.2	46.4	2.89	0.00
3.94	33.5	1.42	4.25	-1.7	4	79.6	0.19	0.19	0.00	2.00	21.4	42.7	2.66	0.00
4.10	33.5	1.35	4.04	-6.8	4	79.6	0.19	0.19	0.00	2.00	21.4	42.8	2.67	0.00
4.27	30.2	0.39	1.29	-4.3	6	98.7	0.20	0.20	0.00	2.00	11.6	23.1	2.40	0.11
4.43	26.1	0.33	1.27	-0.5	6	98.7	0.21	0.21	0.00	2.00	10.0	20.0	2.07	0.10
4.59	42.5	0.23	0.54	0.4	7	98.7	0.22	0.22	0.00	2.00	13.6	27.1	UnDef	0.13
4.76	31.9	0.23	0.72	1.1	7	98.7	0.23	0.23	0.00	2.00	10.2	20.4	UnDef	0.10
4.92	23.8	0.33	1.39	1.0	6	98.7	0.23	0.23	0.00	2.00	9.1	18.2	1.88	0.10
5.09	19.2	0.23	1.20	1.0	6	98.7	0.24	0.24	0.00	2.00	7.3	14.7	1.51	0.09
5.25	17.6	0.26	1.48	1.1	6	98.7	0.25	0.25	0.00	2.00	6.7	13.5	1.39	0.09
5.41	16.7	0.18	1.08	0.9	6	98.7	0.26	0.26	0.00	1.97	6.4	12.6	1.31	0.09
5.58	16.1	0.17	1.06	1.2	6	98.7	0.27	0.27	0.00	1.94	6.2	12.0	1.27	0.09
5.74	16.7	0.17	1.02	1.0	6	98.7	0.27	0.27	0.00	1.91	6.4	12.2	1.31	0.09
5.91	17.8	0.20	1.12	1.1	6	98.7	0.28	0.28	0.00	1.88	6.8	12.8	1.40	0.09
6.07	19.0	0.26	1.37	1.0	6	98.7	0.29	0.29	0.00	1.86	7.3	13.5	1.50	0.09
6.23	20.1	0.35	1.75	1.1	6	98.7	0.30	0.30	0.00	1.83	7.7	14.1	1.58	0.10
.40	19.4	0.45	2.33	0.9	5	85.3	0.31	0.31	0.00	1.81	9.3	16.8	1.52	0.11
56	20.4	0.44	2.16	1.1	6	98.7	0.31	0.31	0.00	1.79	7.8	14.0	1.61	0.11
.73	21.0	0.39	1.86	1.1	6	98.7	0.32	0.32	0.00	1.76	8.1	14.2	1.66	0.10
6.89	21.8	0.41	1.88	1.0	6	98.7	0.33	0.33	0.00	1.74	8.4	14.6	1.72	0.10

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	19.8	0.40	2.02	1.1	6	98.7	0.34	0.34	0.00	1.72	7.6	13.1	1.56	0.10
7.22	19.1	0.43	2.26	1.0	5	85.3	0.35	0.35	0.00	1.70	9.1	15.6	1.50	0.11
7.38	19.2	0.45	2.35	1.0	5	85.3	0.35	0.35	0.00	1.68	9.2	15.5	1.51	0.11
7.55	19.0	0.48	2.53	2.3	5	85.3	0.36	0.36	0.00	1.67	9.1	15.2	1.49	0.11
7.71	18.6	0.86	4.63	7.9	3	74.5	0.37	0.37	0.00	1.65	17.8	29.5	1.46	0.40
7.87	20.0	0.60	3.01	10.3	5	85.3	0.37	0.37	0.00	1.64	9.6	15.7	1.57	0.14
8.04	24.1	0.63	2.62	3.3	5	85.3	0.38	0.38	0.00	1.62	11.5	18.7	1.90	0.13
8.20	16.4	0.53	3.25	2.7	4	79.6	0.39	0.39	0.00	1.61	10.4	16.8	1.28	0.17
8.37	17.1	0.50	2.92	3.9	5	85.3	0.39	0.39	0.00	1.59	8.2	13.1	1.34	0.14
8.53	16.8	0.43	2.56	5.2	5	85.3	0.40	0.40	0.00	1.58	8.1	12.7	1.31	0.12
8.69	18.4	0.42	2.29	6.4	5	85.3	0.41	0.41	0.00	1.57	8.8	13.8	1.44	0.11
8.86	17.8	0.45	2.53	7.5	5	85.3	0.41	0.41	0.00	1.55	8.5	13.2	1.39	0.12
9.02	19.5	0.47	2.41	8.3	5	85.3	0.42	0.42	0.00	1.54	9.3	14.4	1.53	0.12
9.19	21.1	0.50	2.37	9.1	6	98.7	0.43	0.43	0.00	1.53	8.1	12.4	1.66	0.12
9.35	19.7	0.52	2.64	9.8	5	85.3	0.44	0.44	0.00	1.51	9.4	14.3	1.54	0.13
9.51	20.5	0.49	2.40	10.9	5	85.3	0.44	0.44	0.00	1.50	9.8	14.7	1.60	0.12
9.68	16.3	0.46	2.82	12.5	5	85.3	0.45	0.45	0.00	1.49	7.8	11.7	1.27	0.16
9.84	14.6	0.43	2.96	14.5	5	85.3	0.46	0.46	0.00	1.48	7.0	10.3	1.13	0.19
10.01	14.9	0.37	2.49	15.1	5	85.3	0.46	0.46	0.00	1.47	7.1	10.5	1.15	0.15
10.17	15.0	0.35	2.35	14.2	5	85.3	0.47	0.47	0.00	1.46	7.2	10.4	1.16	0.14
10.33	16.5	0.33	2.01	10.1	5	85.3	0.48	0.48	0.00	1.45	7.9	11.4	1.28	0.11
10.50	16.1	0.36	2.24	12.9	5	85.3	0.49	0.49	0.00	1.44	7.7	11.1	1.25	0.13
10.66	16.5	0.36	2.19	13.8	5	85.3	0.49	0.49	0.00	1.43	7.9	11.3	1.28	0.12
10.83	16.0	0.60	3.75	16.1	4	79.6	0.50	0.50	0.00	1.42	10.2	14.5	1.24	0.21
10.99	15.7	0.67	4.27	16.9	3	74.5	0.51	0.51	0.00	1.41	15.1	21.2	1.22	0.20
11.15	23.7	0.71	3.00	7.8	5	85.3	0.51	0.51	0.00	1.40	11.4	15.9	1.86	0.17
11.32	20.9	0.68	3.26	9.7	5	85.3	0.52	0.52	0.00	1.39	10.0	13.9	1.63	0.23
11.48	20.8	0.64	3.09	11.4	5	85.3	0.53	0.53	0.00	1.38	9.9	13.7	1.62	0.21
11.65	22.6	0.50	2.22	15.1	6	98.7	0.53	0.53	0.00	1.37	8.6	11.8	1.76	0.12
81	19.4	0.43	2.23	15.7	6	98.7	0.54	0.54	0.00	1.36	7.4	10.1	1.51	0.13
.97	26.0	0.41	1.58	16.4	6	98.7	0.55	0.55	0.00	1.35	10.0	13.4	2.04	0.11
12.14	26.9	0.27	1.01	4.9	7	98.7	0.56	0.56	0.00	1.34	8.6	11.5	UnDef	0.10
12.30	29.3	0.18	0.62	4.0	7	98.7	0.57	0.57	0.00	1.33	9.3	12.4	UnDef	0.09
12.47	36.5	0.10	0.27	1.9	7	98.7	0.57	0.57	0.00	1.32	11.6	15.4	UnDef	0.09
12.63	37.6	0.10	0.27	1.9	7	98.7	0.58	0.58	0.00	1.31	12.0	15.7	UnDef	0.09
12.80	34.8	0.09	0.26	1.5	7	98.7	0.59	0.59	0.00	1.30	11.1	14.4	UnDef	0.09
12.96	32.3	0.18	0.56	1.1	7	98.7	0.60	0.60	0.00	1.29	10.3	13.3	UnDef	0.09
13.12	30.3	0.15	0.50	1.0	7	98.7	0.61	0.61	0.00	1.28	9.7	12.4	UnDef	0.09
13.29	28.5	0.24	0.84	1.0	7	98.7	0.61	0.61	0.00	1.28	9.1	11.6	UnDef	0.09
13.45	27.5	0.33	1.20	1.1	6	98.7	0.62	0.62	0.00	1.27	10.5	13.3	2.15	0.10
13.62	19.6	0.27	1.38	2.7	6	98.7	0.63	0.63	0.00	1.26	7.5	9.4	1.51	0.10
13.78	16.4	0.20	1.22	4.4	6	98.7	0.64	0.64	0.00	1.25	6.3	7.9	1.26	0.10
13.94	19.3	0.12	0.62	5.0	6	98.7	0.65	0.65	0.00	1.24	7.4	9.2	1.49	0.09
14.11	36.7	0.10	0.27	4.0	7	98.7	0.65	0.65	0.00	1.24	11.7	14.5	UnDef	0.09
14.27	36.7	0.33	0.90	1.8	7	98.7	0.66	0.66	0.00	1.23	11.7	14.4	UnDef	0.10
14.44	27.7	0.34	1.23	0.2	6	98.7	0.67	0.67	0.00	1.22	10.6	13.0	2.16	0.10
14.60	20.6	0.47	2.29	2.3	6	98.7	0.68	0.68	0.00	1.21	7.9	9.6	1.59	0.18
14.76	22.4	0.37	1.66	3.5	6	98.7	0.69	0.69	0.00	1.21	8.6	10.3	1.73	0.11
14.93	33.6	0.22	0.66	5.0	7	98.7	0.70	0.70	0.00	1.20	10.7	12.9	UnDef	0.09
15.09	61.0	0.15	0.25	5.1	8	101.8	0.70	0.70	0.00	1.19	14.6	17.4	UnDef	0.11
15.26	80.5	0.32	0.40	0.7	8	101.8	0.71	0.71	0.00	1.19	19.3	22.8	UnDef	0.16
15.42	87.3	0.41	0.47	1.0	8	101.8	0.72	0.72	0.00	1.18	20.9	24.6	UnDef	0.17
15.58	92.6	0.57	0.62	1.5	8	101.8	0.73	0.73	0.00	1.17	22.2	26.0	UnDef	0.20
15.75	108.5	0.65	0.60	1.3	9	101.8	0.74	0.74	0.00	1.16	20.8	24.2	UnDef	0.26
15.91	111.7	0.61	0.55	1.1	9	101.8	0.75	0.75	0.00	1.16	21.4	24.8	UnDef	0.27
16.08	123.5	0.61	0.50	1.2	9	101.8	0.75	0.75	0.00	1.15	23.7	27.2	UnDef	0.33
16.24	132.0	0.66	0.50	1.2	9	101.8	0.76	0.76	0.00	1.15	25.3	29.0	UnDef	0.38
16.40	138.8	0.73	0.53	1.2	9	101.8	0.77	0.77	0.00	1.14	26.6	30.3	UnDef	0.42
16.57	145.2	0.72	0.50	1.2	9	101.8	0.78	0.78	0.00	1.13	27.8	31.5	UnDef	0.00
16.73	136.2	0.67	0.49	1.2	9	101.8	0.79	0.79	0.00	1.13	26.1	29.4	UnDef	0.40
.90	118.7	0.64	0.54	1.1	9	101.8	0.80	0.80	0.00	1.12	22.7	25.5	UnDef	0.29
06	102.1	0.48	0.47	1.0	9	101.8	0.80	0.80	0.00	1.12	19.6	21.8	UnDef	0.21
.22	90.8	0.41	0.45	0.9	8	101.8	0.81	0.81	0.00	1.11	21.7	24.1	UnDef	0.17
17.39	86.4	0.34	0.39	1.0	8	101.8	0.82	0.82	0.00	1.10	20.7	22.8	UnDef	0.16

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	87.3	0.49	0.56	0.6	8	101.8	0.83	0.83	0.00	1.10	20.9	23.0	UnDef	0.17
17.72	83.9	0.77	0.92	-0.6	8	101.8	0.84	0.84	0.00	1.09	20.1	22.0	UnDef	0.19
17.88	69.0	0.84	1.22	1.1	7	98.7	0.85	0.85	0.00	1.09	22.0	24.0	UnDef	0.16
18.04	59.2	0.96	1.63	1.9	7	98.7	0.85	0.85	0.00	1.08	18.9	20.4	UnDef	0.16
18.21	39.3	0.81	2.07	0.9	6	98.7	0.86	0.86	0.00	1.08	15.1	16.2	3.07	0.16
18.37	28.6	0.67	2.35	1.9	6	98.7	0.87	0.87	0.00	1.07	10.9	11.7	2.22	0.21
18.54	32.0	0.74	2.32	2.7	6	98.7	0.88	0.88	0.00	1.07	12.3	13.1	2.49	0.19
18.70	37.7	0.71	1.89	2.3	6	98.7	0.89	0.89	0.00	1.06	14.4	15.3	2.95	0.14
18.86	30.9	0.70	2.27	2.2	6	98.7	0.89	0.89	0.00	1.06	11.8	12.5	2.40	0.19
19.03	26.8	0.65	2.43	2.9	6	98.7	0.90	0.90	0.00	1.05	10.3	10.8	2.07	0.29
19.19	27.8	0.64	2.31	3.3	6	98.7	0.91	0.91	0.00	1.05	10.7	11.2	2.15	0.23
19.36	31.4	0.68	2.17	3.5	6	98.7	0.92	0.92	0.00	1.04	12.0	12.6	2.44	0.18
19.52	28.9	0.63	2.19	3.2	6	98.7	0.93	0.93	0.00	1.04	11.1	11.5	2.24	0.20
19.68	23.7	0.56	2.37	4.1	6	98.7	0.93	0.93	0.00	1.03	9.1	9.4	1.82	0.24
19.85	25.1	0.52	2.07	4.7	6	98.7	0.94	0.94	0.00	1.03	9.6	9.9	1.93	0.23
20.01	25.4	0.54	2.13	4.9	6	98.7	0.95	0.95	0.00	1.03	9.7	10.0	1.96	0.25
20.18	31.7	0.61	1.93	5.5	6	98.7	0.96	0.96	0.00	1.02	12.1	12.4	2.46	0.16
20.34	33.0	0.61	1.85	5.1	6	98.7	0.97	0.97	0.00	1.02	12.6	12.9	2.56	0.15
20.51	35.8	0.54	1.51	5.5	7	98.7	0.97	0.97	0.00	1.01	11.4	11.6	UnDef	0.13
20.67	39.6	0.61	1.54	6.5	7	98.7	0.98	0.98	0.00	1.01	12.7	12.8	UnDef	0.13
20.83	39.8	0.45	1.13	4.5	7	98.7	0.99	0.99	0.00	1.00	12.7	12.7	UnDef	0.11
21.00	41.0	0.60	1.47	0.9	7	98.7	1.00	1.00	0.00	1.00	13.1	13.1	UnDef	0.13
21.16	40.2	0.72	1.80	1.8	6	98.7	1.01	1.01	0.00	1.00	15.4	15.3	3.13	0.15
21.33	41.6	0.73	1.76	2.8	7	98.7	1.02	1.02	0.00	0.99	13.3	13.2	UnDef	0.15
21.49	40.8	0.60	1.47	4.0	7	98.7	1.02	1.02	0.00	0.99	13.0	12.9	UnDef	0.13
21.65	40.8	0.67	1.64	4.9	7	98.7	1.03	1.03	0.00	0.98	13.0	12.8	UnDef	0.14
21.82	39.0	0.59	1.52	2.7	7	98.7	1.04	1.04	0.00	0.98	12.4	12.2	UnDef	0.13
21.98	43.3	0.53	1.23	3.7	7	98.7	1.05	1.05	0.00	0.98	13.8	13.5	UnDef	0.12
22.15	47.8	0.53	1.11	3.8	7	98.7	1.06	1.06	0.00	0.97	15.3	14.9	UnDef	0.12
.31	42.5	0.66	1.56	2.0	7	98.7	1.06	1.06	0.00	0.97	13.6	13.2	UnDef	0.14
.47	32.9	0.69	2.10	1.9	6	98.7	1.07	1.07	0.00	0.97	12.6	12.2	2.55	0.21
22.64	30.0	0.62	2.07	3.4	6	98.7	1.08	1.08	0.00	0.96	11.5	11.1	2.31	0.24
22.80	28.0	0.52	1.86	5.0	6	98.7	1.09	1.09	0.00	0.96	10.7	10.3	2.15	0.21
22.97	26.5	0.48	1.81	5.8	6	98.7	1.10	1.10	0.00	0.96	10.2	9.7	2.04	0.23
23.13	25.6	0.50	1.95	7.8	6	98.7	1.10	1.10	0.00	0.95	9.8	9.4	1.96	0.24
23.29	25.5	0.50	1.96	10.4	6	98.7	1.11	1.11	0.00	0.95	9.8	9.3	1.95	0.23
23.46	25.0	0.52	2.08	11.1	6	98.7	1.12	1.12	0.00	0.94	9.6	9.1	1.91	0.22
23.62	22.1	0.47	2.13	12.6	6	98.7	1.13	1.13	0.00	0.94	8.5	8.0	1.68	0.18
23.79	21.0	0.39	1.86	14.1	6	98.7	1.14	1.14	0.00	0.94	8.1	7.6	1.59	0.16
23.95	21.9	0.83	3.80	14.9	4	79.6	1.14	1.14	0.00	0.94	14.0	13.1	1.66	0.00
24.11	20.6	0.84	4.09	16.3	3	74.5	1.15	1.15	0.00	0.93	19.7	18.4	1.55	0.00
24.28	28.5	0.75	2.63	25.5	6	98.7	1.16	1.16	0.00	0.93	10.9	10.2	2.19	0.28
24.44	29.1	0.70	2.41	24.6	6	98.7	1.17	1.17	0.00	0.93	11.2	10.3	2.24	0.29
24.61	22.8	0.56	2.46	14.1	6	98.7	1.17	1.17	0.00	0.92	8.7	8.1	1.73	0.18
24.77	19.8	0.52	2.64	15.8	5	85.3	1.18	1.18	0.00	0.92	9.5	8.7	1.49	0.15
24.93	23.8	0.44	1.86	16.1	6	98.7	1.19	1.19	0.00	0.92	9.1	8.4	1.81	0.19
25.10	23.6	0.41	1.74	11.6	6	98.7	1.20	1.20	0.00	0.91	9.1	8.3	1.79	0.19
25.26	24.3	0.47	1.94	12.9	6	98.7	1.20	1.20	0.00	0.91	9.3	8.5	1.85	0.20
25.43	24.2	0.52	2.15	14.3	6	98.7	1.21	1.21	0.00	0.91	9.3	8.4	1.84	0.20
25.59	26.6	0.59	2.22	13.7	6	98.7	1.22	1.22	0.00	0.91	10.2	9.2	2.03	0.23
25.75	25.8	0.67	2.60	9.1	5	85.3	1.23	1.23	0.00	0.90	12.3	11.1	1.96	0.22
25.92	32.3	0.68	2.11	8.5	6	98.7	1.24	1.24	0.00	0.90	12.4	11.1	2.48	0.35
26.08	26.1	0.64	2.46	5.8	6	98.7	1.24	1.24	0.00	0.90	10.0	9.0	1.99	0.22
26.25	24.1	0.65	2.71	7.2	5	85.3	1.25	1.25	0.00	0.89	11.5	10.3	1.82	0.19
26.41	28.2	0.61	2.17	8.3	6	98.7	1.26	1.26	0.00	0.89	10.8	9.6	2.16	0.25
26.57	23.9	0.62	2.60	6.8	5	85.3	1.27	1.27	0.00	0.89	11.5	10.2	1.81	0.18
26.74	24.8	0.65	2.63	8.0	5	85.3	1.27	1.27	0.00	0.89	11.9	10.5	1.88	0.19
26.90	32.3	0.67	2.08	8.2	6	98.7	1.28	1.28	0.00	0.88	12.4	10.9	2.48	0.33
27.07	38.7	0.85	2.20	7.3	6	98.7	1.29	1.29	0.00	0.88	14.8	13.0	2.99	0.30
27.23	36.9	0.70	1.90	5.7	6	98.7	1.30	1.30	0.00	0.88	14.2	12.4	2.85	0.22
.39	42.1	0.58	1.38	6.3	7	98.7	1.31	1.31	0.00	0.88	13.4	11.8	UnDef	0.14
56	57.5	0.61	1.06	-0.2	7	98.7	1.31	1.31	0.00	0.87	18.4	16.0	UnDef	0.13
.72	56.9	0.96	1.69	-0.6	7	98.7	1.32	1.32	0.00	0.87	18.2	15.8	UnDef	0.18
27.89	50.3	1.05	2.09	0.0	6	98.7	1.33	1.33	0.00	0.87	19.3	16.7	3.92	0.23

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	52.6	1.01	1.93	1.5	7	98.7	1.34	1.34	0.00	0.86	16.8	14.5	UnDef	0.20
28.21	61.3	1.12	1.83	0.3	7	98.7	1.35	1.35	0.00	0.86	19.6	16.9	UnDef	0.20
28.38	50.9	1.06	2.09	0.2	6	98.7	1.35	1.35	0.00	0.86	19.5	16.7	3.96	0.23
28.54	55.3	1.04	1.89	1.9	7	98.7	1.36	1.36	0.00	0.86	17.6	15.1	UnDef	0.20
28.71	52.9	1.08	2.05	0.7	7	98.7	1.37	1.37	0.00	0.85	16.9	14.4	UnDef	0.23
28.87	47.4	1.17	2.47	1.2	6	98.7	1.38	1.38	0.00	0.85	18.2	15.5	3.68	0.37
29.04	47.5	1.19	2.51	2.5	6	98.7	1.39	1.39	0.00	0.85	18.2	15.5	3.69	0.39
29.20	40.7	1.25	3.08	2.5	5	85.3	1.39	1.39	0.00	0.85	19.5	16.5	3.14	0.00
29.36	44.4	1.10	2.49	2.8	6	98.7	1.40	1.40	0.00	0.84	17.0	14.4	3.44	0.45
29.53	77.3	0.96	1.24	4.6	8	101.8	1.41	1.41	0.00	0.84	18.5	15.6	UnDef	0.17
29.69	103.5	0.93	0.90	2.5	8	101.8	1.42	1.42	0.00	0.84	24.8	20.8	UnDef	0.20
29.86	130.3	1.22	0.94	1.2	8	101.8	1.43	1.43	0.00	0.84	31.2	26.1	UnDef	0.27
30.02	128.7	1.37	1.07	0.8	8	101.8	1.44	1.44	0.00	0.83	30.8	25.7	UnDef	0.28
30.18	141.8	1.55	1.10	0.4	8	101.8	1.44	1.44	0.00	0.83	33.9	28.3	UnDef	0.34
30.35	182.6	1.70	0.93	0.2	9	101.8	1.45	1.45	0.00	0.83	35.0	29.0	UnDef	0.00
30.51	191.5	1.66	0.87	-0.1	9	101.8	1.46	1.46	0.00	0.83	36.7	30.3	UnDef	0.00
30.68	182.6	0.02	0.01	-0.2	9	101.8	1.47	1.47	0.00	0.83	35.0	28.9	UnDef	0.38
30.84	191.3	0.02	0.01	-0.2	10	127.3	1.48	1.48	0.00	0.82	30.5	25.1	UnDef	0.42

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5298
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-37
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 11:36
CPT File: 315CP37.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	773.7	0.42	10	9.1	0.0	9.1	0.0	UnDef	UnDef	10.0	UnDef	0.0	4.5
0.33	5.0E-05	0.00	1000.0	0.19	10	29.7	0.0	29.7	0.0	50	75.3	10.0	-0.25	0.0	11.9
0.49	5.0E-04	0.00	1000.0	0.14	10	42.1	0.0	42.1	0.0	50	78.4	1.0	-0.22	0.0	14.0
0.66	5.0E-04	0.00	711.7	0.10	10	40.1	0.0	40.1	0.0	50	72.4	1.0	-0.16	0.0	13.4
0.82	5.0E-04	0.00	525.5	0.10	10	37.8	0.0	37.8	0.0	48	67.2	1.0	-0.14	0.0	12.6
0.98	5.0E-04	0.00	395.6	0.11	10	34.6	0.0	34.6	0.0	48	61.9	1.0	-0.12	0.0	11.5
1.15	5.0E-05	0.00	287.0	0.13	10	29.6	0.0	29.6	0.0	46	55.1	10.0	-0.11	0.0	11.8
1.31	5.0E-05	0.00	226.5	0.14	10	26.9	0.0	26.9	0.0	46	50.3	10.0	-0.09	0.0	10.8
48	5.0E-05	0.00	209.4	0.14	10	28.1	0.0	28.1	0.0	46	49.8	10.0	-0.08	0.0	11.3
.64	5.0E-05	0.00	188.3	0.14	10	28.3	0.0	28.3	0.0	44	48.4	10.0	-0.07	0.0	11.3
1.80	5.0E-05	0.00	169.0	0.14	10	28.0	0.0	28.0	0.3	44	46.7	10.0	-0.07	0.0	11.2
1.97	5.0E-05	0.00	159.8	0.13	9	29.0	0.0	29.0	0.5	44	46.4	10.0	-0.06	0.0	11.6
2.13	5.0E-05	0.00	142.1	0.14	9	28.0	0.0	28.0	1.1	44	44.2	10.0	-0.05	0.0	11.2
2.30	5.0E-05	0.00	128.1	0.14	9	27.3	0.0	27.3	1.7	44	42.4	10.0	-0.05	0.0	10.9
2.46	5.0E-05	0.00	107.4	0.55	9	24.6	1.2	25.8	6.7	42	38.4	10.0	-0.14	0.3	10.1
2.62	5.0E-05	0.00	86.3	0.28	9	21.2	0.0	21.2	5.0	42	33.1	10.0	-0.07	0.0	8.5
2.79	5.0E-05	0.00	102.4	0.36	9	26.7	0.0	26.7	5.0	42	38.9	10.0	-0.10	0.0	10.7
2.95	5.0E-05	0.00	134.7	0.78	9	37.1	2.0	39.1	6.9	44	47.5	10.0	-0.19	0.5	15.3
3.12	5.0E-05	0.00	169.3	1.30	9	49.2	5.2	54.4	8.6	44	54.8	10.0	-0.26	1.3	20.9
3.28	5.0E-04	0.00	269.2	1.69	9	82.2	6.5	88.7	7.7	46	68.8	1.0	-0.34	1.3	28.7
3.44	5.0E-05	0.00	342.6	2.19	12	109.9	UnDef	UnDef	0.0	48	76.4	10.0	-0.41	UnDef	UnDef
3.61	5.0E-06	0.00	269.5	3.52	12	90.4	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.77	5.0E-07	0.00	199.5	4.66	11	69.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.94	5.0E-07	0.00	177.2	4.28	12	64.1	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
4.10	5.0E-07	-0.01	171.4	4.06	12	64.2	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
4.27	5.0E-05	0.00	148.7	1.30	9	57.8	7.9	65.7	9.5	44	55.3	10.0	-0.25	1.9	25.0
4.43	5.0E-05	0.00	123.3	1.28	9	49.9	9.0	58.9	10.7	42	50.5	10.0	-0.23	2.1	22.1
4.59	5.0E-04	0.00	194.0	0.55	9	81.4	0.0	81.4	3.1	44	64.0	1.0	-0.19	0.0	27.1
4.76	5.0E-04	0.00	140.1	0.73	9	61.1	2.2	63.3	6.3	44	55.2	1.0	-0.19	0.5	20.8
4.92	5.0E-05	0.00	100.6	1.41	9	45.5	12.6	58.1	13.1	42	46.3	10.0	-0.22	2.9	21.1
5.09	5.0E-05	0.00	78.2	1.22	9	36.7	12.1	48.8	14.3	42	39.6	10.0	-0.18	2.7	17.4
5.25	5.0E-05	0.00	69.2	1.51	7	33.6	16.4	50.0	17.3	40	36.7	10.0	-0.19	3.5	16.9
5.41	5.0E-05	0.00	63.6	1.10	7	31.9	12.5	44.4	15.5	40	34.7	10.0	-0.15	2.7	15.2
5.58	5.0E-05	0.00	59.5	1.08	7	30.5	12.8	43.3	16.0	40	33.3	10.0	-0.14	2.7	14.7
5.74	5.0E-05	0.00	59.8	1.04	7	31.1	12.5	43.6	15.7	40	33.8	10.0	-0.14	2.7	14.9
5.91	5.0E-05	0.00	62.1	1.14	7	32.8	13.8	46.6	16.1	40	35.3	10.0	-0.15	2.9	15.8
6.07	5.0E-05	0.00	64.3	1.39	7	34.5	17.0	51.4	17.4	40	36.7	10.0	-0.18	3.5	17.0
6.23	5.0E-05	0.00	66.2	1.78	7	35.9	22.2	58.1	19.3	40	37.9	10.0	-0.20	4.4	18.5
6.40	5.0E-06	0.00	62.2	2.37	7	34.2	31.7	66.0	23.0	UnDef	UnDef	10.0	UnDef	7.2	24.0
.56	5.0E-05	0.00	64.1	2.19	7	35.7	29.1	64.8	21.8	40	37.8	10.0	-0.23	5.5	19.4
73	5.0E-05	0.00	64.3	1.89	7	36.3	24.8	61.1	20.2	40	38.2	10.0	-0.21	4.8	19.0
.89	5.0E-05	0.00	65.2	1.91	7	37.2	25.4	62.6	20.2	40	38.9	10.0	-0.21	4.9	19.5

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

›th (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.00	57.6	2.06	7	33.3	28.9	62.3	22.4	40	35.8	10.0	-0.21	5.3	18.4
7.22	5.0E-06	0.00	54.3	2.30	7	31.8	33.9	65.7	24.3	UnDef	UnDef	10.0	UnDef	7.4	23.0
7.38	5.0E-06	0.00	53.5	2.39	7	31.7	36.1	67.8	25.0	UnDef	UnDef	10.0	UnDef	7.8	23.3
7.55	5.0E-06	0.00	52.0	2.57	7	31.1	40.6	71.7	26.2	UnDef	UnDef	10.0	UnDef	8.3	23.6
7.71	5.0E-08	0.01	49.9	4.72	6	30.1	120.5	150.6	35.1	UnDef	UnDef	6.0	UnDef	29.5	58.9
7.87	5.0E-06	0.02	52.6	3.07	6	32.0	52.3	84.4	28.2	UnDef	UnDef	10.0	UnDef	9.9	25.6
8.04	5.0E-06	0.00	62.4	2.66	7	38.3	40.8	79.1	24.3	UnDef	UnDef	10.0	UnDef	8.9	27.6
8.20	5.0E-07	0.01	41.3	3.33	6	25.8	72.9	98.6	32.7	UnDef	UnDef	6.0	UnDef	14.4	31.2
8.37	5.0E-06	0.01	42.6	2.99	6	26.7	59.4	86.1	30.8	UnDef	UnDef	6.0	UnDef	9.9	23.0
8.53	5.0E-06	0.01	41.0	2.62	6	26.0	50.1	76.2	29.7	UnDef	UnDef	6.0	UnDef	8.9	21.6
8.69	5.0E-06	0.01	44.2	2.34	7	28.3	41.1	69.3	27.2	UnDef	UnDef	6.0	UnDef	8.1	22.0
8.86	5.0E-06	0.01	42.0	2.59	7	27.1	49.4	76.4	29.2	UnDef	UnDef	6.0	UnDef	9.0	22.2
9.02	5.0E-06	0.01	45.4	2.47	7	29.4	44.3	73.7	27.5	UnDef	UnDef	6.0	UnDef	8.7	23.1
9.19	5.0E-05	0.01	48.3	2.42	7	31.6	42.3	73.9	26.4	38	34.2	6.0	-0.21	6.9	19.3
9.35	5.0E-06	0.02	44.2	2.70	7	29.2	52.0	81.2	29.0	UnDef	UnDef	6.0	UnDef	9.5	23.8
9.51	5.0E-06	0.02	45.2	2.45	7	30.1	45.1	75.2	27.5	UnDef	UnDef	6.0	UnDef	8.8	23.6
9.68	5.0E-06	0.02	35.3	2.90	6	23.8	72.4	96.3	33.2	UnDef	UnDef	6.0	UnDef	10.4	22.0
9.84	5.0E-06	0.03	30.9	3.05	6	21.1	84.4	105.4	36.0	UnDef	UnDef	6.0	UnDef	10.3	20.6
10.01	5.0E-06	0.03	31.1	2.57	6	21.4	68.9	90.3	33.6	UnDef	UnDef	6.0	UnDef	9.6	20.0
10.17	5.0E-06	0.03	30.7	2.42	6	21.3	63.0	84.3	33.0	UnDef	UnDef	6.0	UnDef	9.2	19.6
10.33	5.0E-06	0.02	33.4	2.07	7	23.3	45.4	68.7	29.8	UnDef	UnDef	6.0	UnDef	8.0	19.4
10.50	5.0E-06	0.03	32.2	2.31	6	22.6	55.9	78.6	31.7	UnDef	UnDef	6.0	UnDef	8.9	20.0
10.66	5.0E-06	0.03	32.5	2.26	6	23.0	53.7	76.7	31.2	UnDef	UnDef	6.0	UnDef	8.8	20.0
10.83	5.0E-07	0.03	31.1	3.87	6	22.2	88.9	111.1	39.3	UnDef	UnDef	6.0	UnDef	14.5	29.0
10.99	5.0E-08	0.03	30.1	4.41	6	21.6	86.6	108.2	42.0	UnDef	UnDef	6.0	UnDef	21.2	42.4
11.15	5.0E-06	0.01	45.4	3.06	6	32.5	67.1	99.5	30.2	UnDef	UnDef	6.0	UnDef	11.6	27.5
11.32	5.0E-06	0.01	39.3	3.34	6	28.4	90.0	118.5	33.5	UnDef	UnDef	6.0	UnDef	12.6	26.5
11.48	5.0E-06	0.02	38.5	3.17	6	28.0	84.0	112.1	33.1	UnDef	UnDef	6.0	UnDef	12.1	25.8
11.65	5.0E-05	0.02	41.3	2.28	7	30.2	47.2	77.4	27.8	38	33.0	6.0	-0.18	7.3	19.1
81	5.0E-05	0.03	34.8	2.29	7	25.8	54.1	79.9	30.4	36	30.0	6.0	-0.16	7.4	17.5
.97	5.0E-05	0.02	46.3	1.61	7	34.3	30.3	64.6	22.6	38	36.6	6.0	-0.16	5.6	19.0
12.14	5.0E-04	0.01	47.3	1.03	7	35.3	19.3	54.6	18.2	38	37.4	1.0	-0.12	3.3	14.8
12.30	5.0E-04	0.00	50.7	0.63	9	38.1	12.0	50.1	14.0	38	39.6	1.0	-0.08	2.2	14.6
12.47	5.0E-04	0.00	62.6	0.28	9	47.1	0.0	47.1	5.0	40	45.7	1.0	-0.04	0.0	15.4
12.63	5.0E-04	0.00	63.5	0.27	9	48.2	0.0	48.2	5.0	40	46.4	1.0	-0.04	0.0	15.7
12.80	5.0E-04	0.00	57.9	0.26	9	44.3	0.0	44.3	5.0	40	43.9	1.0	-0.03	0.0	14.4
12.96	5.0E-04	0.00	53.0	0.57	9	40.9	11.0	51.9	12.9	40	41.7	1.0	-0.08	2.0	15.4
13.12	5.0E-04	0.00	49.1	0.51	9	38.1	10.5	48.6	13.1	38	39.6	1.0	-0.06	1.9	14.4
13.29	5.0E-04	0.00	45.4	0.86	7	35.6	17.5	53.1	17.4	38	37.6	1.0	-0.10	3.0	14.6
13.45	5.0E-05	0.00	43.1	1.23	7	34.1	25.1	59.2	20.9	38	36.4	6.0	-0.13	4.8	18.2
13.62	5.0E-05	0.00	30.0	1.43	7	24.1	35.4	59.5	27.3	36	30.0	6.0	-0.10	5.6	15.0
13.78	5.0E-05	0.01	24.7	1.27	7	20.1	36.0	56.2	29.0	34	30.0	6.0	-0.07	5.3	13.2
13.94	5.0E-05	0.01	28.9	0.64	7	23.5	17.5	41.0	21.0	36	30.0	6.0	-0.04	3.4	12.6
14.11	5.0E-04	0.00	55.1	0.28	9	44.4	0.0	44.4	5.0	40	44.0	1.0	-0.03	0.0	14.5
14.27	5.0E-04	0.00	54.3	0.92	7	44.1	17.9	62.0	15.8	40	43.8	1.0	-0.12	3.2	17.5
14.44	5.0E-05	0.00	40.3	1.26	7	33.1	27.4	60.5	22.0	38	35.6	6.0	-0.12	5.1	18.1
14.60	5.0E-05	0.00	29.3	2.37	6	24.4	77.1	101.6	33.4	36	30.0	6.0	-0.15	8.7	18.2
14.76	5.0E-05	0.00	31.6	1.71	7	26.4	44.2	70.6	28.4	36	30.0	6.0	-0.12	6.7	17.0
14.93	5.0E-04	0.00	47.4	0.67	9	39.5	14.6	54.1	15.1	38	40.6	1.0	-0.08	2.6	15.5
15.09	5.0E-03	0.00	85.7	0.25	9	71.1	0.0	71.1	5.0	42	57.5	1.0	-0.06	0.0	17.4
15.26	5.0E-03	0.00	112.1	0.40	9	93.4	0.0	93.4	5.0	42	65.3	1.0	-0.12	0.0	22.8
15.42	5.0E-03	0.00	120.2	0.47	9	100.7	0.0	100.7	5.0	42	67.5	1.0	-0.14	0.0	24.6
15.58	5.0E-03	0.00	126.1	0.62	9	106.1	3.5	109.6	6.2	44	69.0	1.0	-0.17	0.5	26.5
15.75	5.0E-02	0.00	146.2	0.60	9	123.7	0.4	124.1	5.1	44	73.4	1.0	-0.18	0.1	24.3
15.91	5.0E-02	0.00	148.9	0.55	9	126.7	0.0	126.7	4.6	44	74.0	1.0	-0.17	0.0	24.8
16.08	5.0E-02	0.00	162.8	0.50	9	139.2	0.0	139.2	3.7	44	76.8	1.0	-0.17	0.0	27.2
16.24	5.0E-02	0.00	172.3	0.50	9	148.0	0.0	148.0	3.4	44	78.5	1.0	-0.18	0.0	29.0
16.40	5.0E-02	0.00	179.2	0.53	9	154.8	0.0	154.8	3.4	44	79.8	1.0	-0.18	0.0	30.3
16.57	5.0E-02	0.00	185.5	0.50	9	161.0	0.0	161.0	3.0	44	80.9	1.0	-0.18	0.0	31.5
16.73	5.0E-02	0.00	172.0	0.50	9	150.2	0.0	150.2	3.4	44	78.9	1.0	-0.17	0.0	29.4
.90	5.0E-02	0.00	148.2	0.54	9	130.2	0.0	130.2	4.6	44	74.8	1.0	-0.17	0.0	25.5
06	5.0E-02	0.00	126.0	0.48	9	111.4	0.0	111.4	5.0	44	70.4	1.0	-0.14	0.0	21.8
.22	5.0E-03	0.00	110.9	0.46	9	98.6	0.0	98.6	5.0	42	66.9	1.0	-0.13	0.0	24.1
17.39	5.0E-03	0.00	104.3	0.40	9	93.4	0.0	93.4	5.0	42	65.3	1.0	-0.11	0.0	22.8

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	104.4	0.57	9	93.9	5.4	99.3	7.0	42	65.5	1.0	-0.14	0.8	23.8
17.72	5.0E-03	0.00	99.3	0.93	9	89.8	14.5	104.3	10.2	42	64.2	1.0	-0.18	2.1	24.1
17.88	5.0E-04	0.00	80.6	1.24	9	73.4	23.5	96.9	14.1	42	58.4	1.0	-0.19	4.3	28.2
18.04	5.0E-04	0.00	68.3	1.65	7	62.7	34.3	97.0	18.2	40	53.9	1.0	-0.20	5.8	26.3
18.21	5.0E-05	0.00	44.6	2.11	7	41.4	52.4	93.8	25.9	38	42.0	6.0	-0.18	8.7	24.9
18.37	5.0E-05	0.00	31.8	2.42	6	30.0	82.1	112.0	32.4	36	32.7	6.0	-0.16	9.9	21.7
18.54	5.0E-05	0.00	35.5	2.38	6	33.4	71.9	105.4	30.6	38	35.9	6.0	-0.17	9.8	22.8
18.70	5.0E-05	0.00	41.6	1.93	7	39.2	49.3	88.5	25.9	38	40.4	6.0	-0.17	8.2	23.6
18.86	5.0E-05	0.00	33.6	2.34	6	32.0	74.0	106.0	31.1	36	34.6	6.0	-0.16	9.7	22.2
19.03	5.0E-05	0.00	28.7	2.52	6	27.6	103.7	131.3	34.6	36	30.4	6.0	-0.15	10.5	21.3
19.19	5.0E-05	0.00	29.5	2.39	6	28.5	89.6	118.1	33.4	36	31.3	6.0	-0.15	10.1	21.2
19.36	5.0E-05	0.00	33.2	2.23	7	32.1	70.6	102.8	30.7	36	34.7	6.0	-0.16	9.5	22.1
19.52	5.0E-05	0.00	30.2	2.26	6	29.4	79.8	109.2	32.4	36	32.2	6.0	-0.15	9.7	21.2
19.68	5.0E-05	0.01	24.3	2.47	6	23.9	95.8	119.7	37.1	34	30.0	6.0	-0.13	9.4	18.8
19.85	5.0E-05	0.01	25.7	2.16	6	25.3	92.9	118.2	34.4	34	30.0	6.0	-0.12	9.6	19.5
20.01	5.0E-05	0.01	25.8	2.21	6	25.5	97.4	122.9	34.7	34	30.0	6.0	-0.13	9.8	19.8
20.18	5.0E-05	0.01	32.1	1.99	7	31.7	62.9	94.6	29.9	36	34.3	6.0	-0.14	8.8	21.2
20.34	5.0E-05	0.00	33.1	1.91	7	32.8	58.3	91.1	29.0	36	35.3	6.0	-0.14	8.6	21.4
20.51	5.0E-04	0.00	35.7	1.55	7	35.5	43.5	79.0	25.6	38	37.6	1.0	-0.13	6.1	17.7
20.67	5.0E-04	0.01	39.3	1.58	7	39.1	42.5	81.6	24.5	38	40.4	1.0	-0.14	6.2	18.9
20.83	5.0E-04	0.00	39.1	1.16	7	39.1	31.2	70.3	21.6	38	40.3	1.0	-0.11	4.9	17.7
21.00	5.0E-04	0.00	40.0	1.51	7	40.1	40.3	80.4	23.8	38	41.1	1.0	-0.14	6.0	19.0
21.16	5.0E-05	0.00	38.9	1.84	7	39.2	51.4	90.6	26.3	38	40.4	6.0	-0.15	8.4	23.8
21.33	5.0E-04	0.00	40.0	1.80	7	40.4	49.6	90.0	25.6	38	41.3	1.0	-0.15	6.9	20.1
21.49	5.0E-04	0.00	38.9	1.51	7	39.5	41.4	80.9	24.2	38	40.7	1.0	-0.13	6.1	19.0
21.65	5.0E-04	0.00	38.6	1.69	7	39.4	47.1	86.5	25.4	38	40.5	1.0	-0.14	6.6	19.5
21.82	5.0E-04	0.00	36.5	1.56	7	37.4	44.6	82.0	25.4	38	39.1	1.0	-0.13	6.3	18.5
21.98	5.0E-04	0.00	40.4	1.26	7	41.4	34.1	75.6	21.9	38	42.0	1.0	-0.12	5.3	18.8
22.15	5.0E-04	0.00	44.3	1.14	7	45.5	30.0	75.5	19.9	38	44.7	1.0	-0.12	4.9	19.8
.31	5.0E-04	0.00	38.9	1.60	7	40.3	44.8	85.1	24.7	38	41.2	1.0	-0.14	6.5	19.6
.47	5.0E-05	0.00	29.7	2.17	6	31.1	82.0	113.1	32.2	36	33.8	6.0	-0.14	10.1	22.3
22.64	5.0E-05	0.00	26.8	2.15	6	28.2	92.6	120.9	33.7	36	31.0	6.0	-0.13	10.2	21.2
22.80	5.0E-05	0.01	24.7	1.94	6	26.3	86.4	112.7	33.7	34	30.0	6.0	-0.11	9.5	19.8
22.97	5.0E-05	0.01	23.2	1.89	6	24.8	92.0	116.8	34.5	34	30.0	6.0	-0.10	9.4	19.1
23.13	5.0E-05	0.01	22.2	2.04	6	23.9	95.5	119.4	36.2	34	30.0	6.0	-0.10	9.4	18.7
23.29	5.0E-05	0.01	22.0	2.05	6	23.7	94.8	118.5	36.5	34	30.0	6.0	-0.10	9.3	18.6
23.46	5.0E-05	0.01	21.3	2.18	6	23.1	92.6	115.7	37.7	34	30.0	6.0	-0.10	9.1	18.1
23.62	5.0E-05	0.02	18.6	2.25	6	20.4	81.4	101.8	40.7	32	30.0	6.0	-0.09	8.0	15.9
23.79	5.0E-05	0.02	17.5	1.97	6	19.3	77.2	96.5	40.1	32	30.0	6.0	-0.07	7.6	15.1
23.95	5.0E-07	0.02	18.2	4.01	1	20.0	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
24.11	5.0E-08	0.03	16.9	4.33	1	18.8	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
24.28	5.0E-05	0.03	23.7	2.74	6	26.0	103.9	129.8	39.0	34	30.0	6.0	-0.14	10.2	20.3
24.44	5.0E-05	0.03	24.0	2.51	6	26.4	105.6	132.0	37.6	34	30.0	6.0	-0.13	10.3	20.7
24.61	5.0E-05	0.02	18.4	2.59	6	20.6	82.4	103.0	42.8	32	30.0	6.0	-0.10	8.1	16.1
24.77	5.0E-06	0.03	15.7	2.81	6	17.8	71.1	88.9	47.2	UnDef	UnDef	6.0	UnDef	8.7	17.4
24.93	5.0E-05	0.02	19.0	1.95	6	21.3	85.3	106.7	38.4	32	30.0	6.0	-0.08	8.4	16.7
25.10	5.0E-05	0.02	18.7	1.83	6	21.1	84.6	105.7	37.9	32	30.0	6.0	-0.07	8.3	16.6
25.26	5.0E-05	0.02	19.1	2.04	6	21.6	86.5	108.2	38.9	32	30.0	6.0	-0.09	8.5	16.9
25.43	5.0E-05	0.02	19.0	2.27	6	21.5	86.1	107.6	40.4	32	30.0	6.0	-0.09	8.4	16.8
25.59	5.0E-05	0.02	20.8	2.33	6	23.6	94.4	118.0	39.1	34	30.0	6.0	-0.11	9.2	18.5
25.75	5.0E-06	0.01	20.0	2.74	6	22.8	91.1	113.8	42.1	UnDef	UnDef	6.0	UnDef	11.1	22.3
25.92	5.0E-05	0.01	25.1	2.19	6	28.4	113.7	142.1	35.0	34	31.2	6.0	-0.12	11.1	22.3
26.08	5.0E-05	0.01	20.0	2.58	6	22.9	91.6	114.4	41.3	34	30.0	6.0	-0.11	9.0	17.9
26.25	5.0E-06	0.01	18.2	2.86	6	21.0	84.1	105.2	44.5	UnDef	UnDef	6.0	UnDef	10.3	20.6
26.41	5.0E-05	0.01	21.4	2.27	6	24.6	98.4	123.0	38.2	34	30.0	6.0	-0.11	9.6	19.3
26.57	5.0E-06	0.01	17.9	2.74	6	20.8	83.2	104.0	44.2	UnDef	UnDef	6.0	UnDef	10.2	20.4
26.74	5.0E-06	0.01	18.4	2.77	6	21.5	85.9	107.3	43.8	UnDef	UnDef	6.0	UnDef	10.5	21.0
26.90	5.0E-05	0.01	24.2	2.17	6	27.9	111.7	139.6	35.5	34	30.7	6.0	-0.12	10.9	21.9
27.07	5.0E-05	0.01	29.0	2.28	6	33.3	100.6	133.9	33.1	36	35.8	6.0	-0.14	11.6	24.6
27.23	5.0E-05	0.00	27.5	1.97	6	31.7	84.2	115.9	32.2	36	34.4	6.0	-0.12	10.3	22.8
27.39	5.0E-04	0.00	31.3	1.42	7	36.1	49.4	85.5	26.6	36	38.1	1.0	-0.11	6.7	18.4
56	5.0E-04	0.00	42.8	1.09	7	49.1	32.5	81.6	19.9	38	46.9	1.0	-0.11	5.3	21.3
.72	5.0E-04	0.00	42.1	1.73	7	48.4	52.8	101.2	24.5	38	46.5	1.0	-0.16	7.6	23.4
27.89	5.0E-05	0.00	36.8	2.15	7	42.7	74.1	116.8	28.8	38	42.9	6.0	-0.16	11.0	27.7

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5298
CPT File: 315CP37.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	38.3	1.98	7	44.5	65.1	109.5	27.2	38	44.1	1.0	-0.16	8.6	23.1
28.21	5.0E-04	0.00	44.6	1.87	7	51.7	56.7	108.5	24.6	38	48.4	1.0	-0.17	8.2	25.1
28.38	5.0E-05	0.00	36.5	2.15	7	42.8	75.1	117.9	28.9	38	42.9	6.0	-0.16	11.1	27.8
28.54	5.0E-04	0.00	39.6	1.93	7	46.3	62.8	109.1	26.6	38	45.2	1.0	-0.16	8.5	23.6
28.71	5.0E-04	0.00	37.6	2.10	7	44.2	72.1	116.3	28.2	38	43.9	1.0	-0.16	9.1	23.6
28.87	5.0E-05	0.00	33.4	2.55	6	39.5	106.7	146.2	32.3	36	40.7	6.0	-0.17	13.0	28.5
29.04	5.0E-05	0.00	33.3	2.58	6	39.5	110.2	149.7	32.6	36	40.7	6.0	-0.18	13.2	28.7
29.20	5.0E-06	0.00	28.2	3.19	6	33.7	134.9	168.7	38.1	UnDef	UnDef	6.0	UnDef	16.5	33.0
29.36	5.0E-05	0.00	30.6	2.57	6	36.7	121.6	158.3	33.8	36	38.5	6.0	-0.16	13.3	27.6
29.53	5.0E-03	0.00	53.8	1.27	7	63.7	35.9	99.6	18.5	40	54.4	1.0	-0.15	4.5	20.1
29.69	5.0E-03	0.00	72.0	0.91	9	85.0	22.8	107.8	12.9	40	62.6	1.0	-0.15	3.2	24.0
29.86	5.0E-03	0.00	90.3	0.95	9	106.7	20.9	127.7	11.1	42	69.1	1.0	-0.17	3.0	29.1
30.02	5.0E-03	0.00	88.7	1.08	9	105.2	25.0	130.1	12.2	42	68.7	1.0	-0.18	3.5	29.2
30.18	5.0E-03	0.00	97.2	1.11	9	115.5	24.6	140.1	11.6	42	71.4	1.0	-0.19	3.5	31.7
30.35	5.0E-02	0.00	124.8	0.94	9	148.3	15.5	163.9	8.5	42	78.6	1.0	-0.20	1.8	30.9
30.51	5.0E-02	0.00	130.1	0.88	9	155.1	12.6	167.7	7.8	44	79.8	1.0	-0.20	1.5	31.9
30.68	5.0E-02	0.00	123.4	0.01	10	147.5	0.0	147.5	3.8	42	78.4	1.0	0.17	0.0	28.9
30.84	5.0E+00	0.00	128.5	0.01	10	154.0	0.0	154.0	3.7	44	79.7	1.0	0.17	0.0	25.1

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18

Run No: 99-0525-1349-5347
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-38
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 15:06
CPT File: 315CP38.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	2.0	0.02	1.00	0.1	1	74.5	0.01	0.01	0.00	2.00	1.0	1.9	0.16	0.00
0.33	2.1	0.02	0.95	0.3	1	74.5	0.01	0.01	0.00	2.00	1.0	2.0	0.17	0.00
0.49	22.2	0.02	0.09	0.2	7	98.7	0.02	0.02	0.00	2.00	7.1	14.2	UnDef	0.09
0.66	34.6	0.03	0.09	0.2	8	101.8	0.03	0.03	0.00	2.00	8.3	16.6	UnDef	0.11
0.82	37.0	0.04	0.11	0.2	8	101.8	0.04	0.04	0.00	2.00	8.9	17.7	UnDef	0.11
0.98	33.5	0.05	0.15	-0.2	7	98.7	0.04	0.04	0.00	2.00	10.7	21.4	UnDef	0.10
1.15	30.3	0.02	0.07	0.0	7	98.7	0.05	0.05	0.00	2.00	9.7	19.3	UnDef	0.10
31	28.4	0.02	0.07	0.1	7	98.7	0.06	0.06	0.00	2.00	9.1	18.1	UnDef	0.09
.48	26.1	0.08	0.31	0.1	7	98.7	0.07	0.07	0.00	2.00	8.3	16.6	UnDef	0.09
1.64	25.3	0.20	0.79	0.2	7	98.7	0.08	0.08	0.00	2.00	8.1	16.2	UnDef	0.09
1.80	25.4	0.39	1.54	0.1	6	98.7	0.08	0.08	0.00	2.00	9.7	19.5	2.03	0.09
1.97	29.8	0.76	2.56	-0.4	6	98.7	0.09	0.09	0.00	2.00	11.4	22.8	2.37	0.00
2.13	37.1	0.98	2.65	0.3	6	98.7	0.10	0.10	0.00	2.00	14.2	28.4	2.96	0.00
2.30	65.4	1.59	2.44	1.1	6	98.7	0.11	0.11	0.00	2.00	25.1	50.1	5.23	0.00
2.46	68.8	2.42	3.51	2.5	5	85.3	0.12	0.12	0.00	2.00	32.9	65.9	5.50	0.00
2.62	43.0	2.62	6.09	-0.5	3	74.5	0.12	0.12	0.00	2.00	41.2	82.3	3.43	0.00
2.79	30.7	1.96	6.40	-8.1	3	74.5	0.13	0.13	0.00	2.00	29.4	58.8	2.44	0.00
2.95	22.2	0.99	4.46	-0.3	3	74.5	0.14	0.14	0.00	2.00	21.3	42.6	1.77	0.00
3.12	19.2	0.54	2.82	-0.1	5	85.3	0.14	0.14	0.00	2.00	9.2	18.4	1.53	0.10
3.28	23.8	0.54	2.27	-0.1	6	98.7	0.15	0.15	0.00	2.00	9.1	18.3	1.89	0.10
3.44	20.4	0.46	2.26	-3.5	6	98.7	0.16	0.16	0.00	2.00	7.8	15.6	1.62	0.09
3.61	20.0	0.37	1.85	-4.3	6	98.7	0.17	0.17	0.00	2.00	7.7	15.4	1.59	0.09
3.77	17.6	0.28	1.60	-1.2	6	98.7	0.17	0.17	0.00	2.00	6.7	13.5	1.39	0.09
3.94	21.5	0.26	1.21	-0.2	6	98.7	0.18	0.18	0.00	2.00	8.2	16.4	1.70	0.09
4.10	23.0	0.32	1.39	0.2	6	98.7	0.19	0.19	0.00	2.00	8.8	17.6	1.82	0.09
4.27	17.4	0.35	2.01	0.2	6	98.7	0.20	0.20	0.00	2.00	6.7	13.4	1.38	0.09
4.43	17.3	0.42	2.43	1.0	5	85.3	0.21	0.21	0.00	2.00	8.3	16.6	1.37	0.10
4.59	15.7	0.49	3.14	1.1	5	85.3	0.21	0.21	0.00	2.00	7.5	15.0	1.24	0.10
4.76	14.6	0.45	3.08	1.0	5	85.3	0.22	0.22	0.00	2.00	7.0	14.0	1.15	0.10
4.92	12.0	0.37	3.09	0.9	4	79.6	0.23	0.23	0.00	2.00	7.7	15.3	0.94	0.10
5.09	11.6	0.32	2.76	0.5	5	85.3	0.23	0.23	0.00	2.00	5.6	11.1	0.91	0.10
5.25	11.6	0.27	2.34	0.8	5	85.3	0.24	0.24	0.00	2.00	5.5	11.1	0.91	0.09
5.41	10.2	0.25	2.47	0.8	5	85.3	0.25	0.25	0.00	2.00	4.9	9.7	0.79	0.10
5.58	10.5	0.27	2.58	1.2	5	85.3	0.25	0.25	0.00	1.98	5.0	10.0	0.82	0.10
5.74	10.4	0.25	2.40	1.2	5	85.3	0.26	0.26	0.00	1.96	5.0	9.8	0.81	0.10
5.91	11.3	0.26	2.32	1.0	5	85.3	0.27	0.27	0.00	1.93	5.4	10.4	0.88	0.10
6.07	12.7	0.28	2.21	1.4	5	85.3	0.27	0.27	0.00	1.91	6.1	11.6	1.00	0.10
6.23	11.1	0.31	2.79	1.4	5	85.3	0.28	0.28	0.00	1.88	5.3	10.0	0.87	0.11
.40	12.1	0.30	2.49	3.2	5	85.3	0.29	0.29	0.00	1.86	5.8	10.8	0.94	0.10
56	12.4	0.25	2.02	4.4	5	85.3	0.30	0.30	0.00	1.84	5.9	10.9	0.97	0.09
.73	12.9	0.25	1.95	8.4	5	85.3	0.30	0.30	0.00	1.82	6.2	11.2	1.01	0.09
6.89	13.6	0.23	1.69	9.9	5	85.3	0.31	0.31	0.00	1.80	6.5	11.7	1.07	0.09

ConeTec Inc. - CPT Interpretation
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pth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	12.4	0.20	1.62	14.4	5	85.3	0.32	0.32	0.00	1.78	5.9	10.5	0.97	0.09
7.22	11.7	0.18	1.55	22.8	5	85.3	0.32	0.32	0.00	1.76	5.6	9.8	0.91	0.09
7.38	11.1	0.38	3.42	30.0	4	79.6	0.33	0.33	0.00	1.74	7.1	12.4	0.86	0.16
7.55	12.2	0.40	3.28	36.9	4	79.6	0.34	0.34	0.00	1.72	7.8	13.5	0.95	0.18
7.71	15.8	0.36	2.29	11.4	5	85.3	0.34	0.34	0.00	1.71	7.6	12.9	1.23	0.10
7.87	14.3	0.31	2.17	18.4	5	85.3	0.35	0.35	0.00	1.69	6.9	11.6	1.12	0.10
8.04	14.2	0.25	1.77	22.2	5	85.3	0.36	0.36	0.00	1.67	6.8	11.3	1.10	0.09
8.20	13.7	0.21	1.53	26.4	6	98.7	0.37	0.37	0.00	1.65	5.3	8.7	1.07	0.09
8.37	13.2	0.20	1.51	31.6	5	85.3	0.37	0.37	0.00	1.64	6.3	10.4	1.03	0.09
8.53	15.5	0.23	1.49	38.2	6	98.7	0.38	0.38	0.00	1.62	5.9	9.6	1.21	0.09
8.69	14.5	0.24	1.66	44.0	6	98.7	0.39	0.39	0.00	1.60	5.5	8.9	1.12	0.09
8.86	14.8	0.24	1.63	51.2	6	98.7	0.40	0.40	0.00	1.59	5.7	9.0	1.15	0.09
9.02	14.6	0.25	1.71	57.2	5	85.3	0.40	0.40	0.00	1.57	7.0	11.0	1.14	0.10
9.19	14.9	0.24	1.61	63.6	6	98.7	0.41	0.41	0.00	1.56	5.7	8.9	1.16	0.09
9.35	15.2	0.25	1.65	69.9	6	98.7	0.42	0.42	0.00	1.54	5.8	9.0	1.18	0.10
9.51	14.7	0.25	1.70	76.4	6	98.7	0.43	0.43	0.00	1.53	5.6	8.6	1.14	0.10
9.68	14.2	0.24	1.69	81.8	5	85.3	0.44	0.44	0.00	1.52	6.8	10.3	1.10	0.10
9.84	14.8	0.24	1.63	84.1	6	98.7	0.44	0.44	0.00	1.50	5.7	8.5	1.15	0.10
10.01	15.0	0.24	1.60	87.4	6	98.7	0.45	0.45	0.00	1.49	5.8	8.6	1.17	0.10
10.17	14.7	0.23	1.56	92.0	6	98.7	0.46	0.46	0.00	1.48	5.6	8.3	1.14	0.10
10.33	15.6	0.25	1.61	95.7	6	98.7	0.47	0.47	0.00	1.46	6.0	8.7	1.21	0.10
10.50	15.6	0.27	1.74	101.6	6	98.7	0.48	0.48	0.00	1.45	6.0	8.6	1.21	0.10
10.66	13.5	0.62	4.59	97.5	3	74.5	0.48	0.48	0.00	1.44	13.0	18.7	1.05	0.00
10.83	19.7	0.52	2.65	82.4	5	85.3	0.49	0.49	0.00	1.43	9.4	13.5	1.54	0.14
10.99	32.8	0.56	1.71	0.7	6	98.7	0.50	0.50	0.00	1.42	12.6	17.8	2.58	0.12
11.15	24.7	0.41	1.66	1.1	6	98.7	0.50	0.50	0.00	1.41	9.5	13.3	1.94	0.10
11.32	23.7	0.36	1.52	2.6	6	98.7	0.51	0.51	0.00	1.40	9.1	12.7	1.86	0.10
11.48	35.4	0.28	0.79	0.5	7	98.7	0.52	0.52	0.00	1.39	11.3	15.7	UnDef	0.10
11.65	49.6	0.24	0.48	0.7	8	101.8	0.53	0.53	0.00	1.37	11.9	16.3	UnDef	0.11
.81	63.5	0.18	0.28	0.9	8	101.8	0.54	0.54	0.00	1.36	15.2	20.7	UnDef	0.14
.97	57.5	0.12	0.21	1.0	8	101.8	0.55	0.55	0.00	1.35	13.8	18.6	UnDef	0.12
12.14	48.6	0.11	0.23	1.0	8	101.8	0.55	0.55	0.00	1.34	11.6	15.6	UnDef	0.10
12.30	44.7	0.19	0.43	0.9	8	101.8	0.56	0.56	0.00	1.33	10.7	14.3	UnDef	0.10
12.47	40.7	0.48	1.18	0.7	7	98.7	0.57	0.57	0.00	1.32	13.0	17.2	UnDef	0.12
12.63	32.8	0.41	1.25	1.0	7	98.7	0.58	0.58	0.00	1.31	10.5	13.8	UnDef	0.11
12.80	31.5	0.29	0.92	6.1	7	98.7	0.59	0.59	0.00	1.31	10.1	13.1	UnDef	0.10
12.96	75.2	0.33	0.44	6.4	8	101.8	0.60	0.60	0.00	1.30	18.0	23.3	UnDef	0.16
13.12	91.4	0.35	0.38	0.8	8	101.8	0.60	0.60	0.00	1.29	21.9	28.2	UnDef	0.22
13.29	93.8	0.40	0.43	0.7	8	101.8	0.61	0.61	0.00	1.28	22.5	28.7	UnDef	0.23
13.45	101.6	0.43	0.42	0.8	9	101.8	0.62	0.62	0.00	1.27	19.5	24.7	UnDef	0.27
13.62	113.3	0.52	0.46	0.7	9	101.8	0.63	0.63	0.00	1.26	21.7	27.4	UnDef	0.33
13.78	120.7	0.64	0.53	0.4	9	101.8	0.64	0.64	0.00	1.25	23.1	29.0	UnDef	0.38
13.94	128.2	0.66	0.52	0.6	9	101.8	0.65	0.65	0.00	1.24	24.5	30.6	UnDef	0.43
14.11	129.6	0.75	0.58	0.7	9	101.8	0.65	0.65	0.00	1.24	24.8	30.7	UnDef	0.44
14.27	119.7	0.75	0.63	0.4	9	101.8	0.66	0.66	0.00	1.23	22.9	28.2	UnDef	0.36
14.44	112.9	0.67	0.59	0.4	9	101.8	0.67	0.67	0.00	1.22	21.6	26.4	UnDef	0.31
14.60	108.4	0.65	0.60	0.4	9	101.8	0.68	0.68	0.00	1.21	20.8	25.2	UnDef	0.28
14.76	108.6	0.60	0.55	0.5	9	101.8	0.69	0.69	0.00	1.21	20.8	25.1	UnDef	0.28
14.93	116.5	0.60	0.52	0.5	9	101.8	0.70	0.70	0.00	1.20	22.3	26.8	UnDef	0.32
15.09	131.8	0.68	0.52	0.3	9	101.8	0.70	0.70	0.00	1.19	25.2	30.1	UnDef	0.42
15.26	143.3	0.78	0.55	0.3	9	101.8	0.71	0.71	0.00	1.19	27.5	32.5	UnDef	0.00
15.42	151.1	0.86	0.57	0.4	9	101.8	0.72	0.72	0.00	1.18	29.0	34.1	UnDef	0.00
15.58	161.0	0.93	0.58	0.2	9	101.8	0.73	0.73	0.00	1.17	30.8	36.1	UnDef	0.00
15.75	165.6	0.99	0.60	0.3	9	101.8	0.74	0.74	0.00	1.16	31.7	37.0	UnDef	0.00
15.91	161.6	0.97	0.60	0.0	9	101.8	0.75	0.75	0.00	1.16	31.0	35.9	UnDef	0.00
16.08	141.6	0.87	0.62	0.0	9	101.8	0.75	0.75	0.00	1.15	27.1	31.2	UnDef	0.46
16.24	119.3	0.66	0.55	-0.1	9	101.8	0.76	0.76	0.00	1.15	22.8	26.2	UnDef	0.30
16.40	108.9	0.57	0.52	-0.2	9	101.8	0.77	0.77	0.00	1.14	20.9	23.8	UnDef	0.25
16.57	98.8	0.85	0.86	-0.3	8	101.8	0.78	0.78	0.00	1.13	23.7	26.8	UnDef	0.24
16.73	88.0	0.83	0.95	0.6	8	101.8	0.79	0.79	0.00	1.13	21.1	23.8	UnDef	0.21
.90	95.5	0.88	0.92	0.3	8	101.8	0.80	0.80	0.00	1.12	22.9	25.6	UnDef	0.23
06	102.5	0.98	0.96	-0.5	8	101.8	0.80	0.80	0.00	1.12	24.5	27.4	UnDef	0.26
.22	98.4	0.84	0.86	-0.3	8	101.8	0.81	0.81	0.00	1.11	23.6	26.1	UnDef	0.23
17.39	81.6	1.12	1.38	-0.5	8	101.8	0.82	0.82	0.00	1.10	19.5	21.6	UnDef	0.21

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pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	119.6	1.08	0.91	0.6	8	101.8	0.83	0.83	0.00	1.10	28.6	31.4	UnDef	0.32
17.72	103.8	1.16	1.12	-0.2	8	101.8	0.84	0.84	0.00	1.09	24.9	27.2	UnDef	0.27
17.88	70.2	1.20	1.71	-0.2	7	98.7	0.85	0.85	0.00	1.09	22.4	24.4	UnDef	0.20
18.04	50.0	1.02	2.04	0.2	6	98.7	0.85	0.85	0.00	1.08	19.2	20.7	3.93	0.17
18.21	33.4	0.89	2.67	0.7	6	98.7	0.86	0.86	0.00	1.08	12.8	13.8	2.60	0.24
18.37	30.9	0.68	2.21	1.0	6	98.7	0.87	0.87	0.00	1.07	11.8	12.7	2.40	0.18
18.54	30.5	0.60	1.97	2.0	6	98.7	0.88	0.88	0.00	1.07	11.7	12.5	2.37	0.15
18.70	30.6	0.60	1.96	1.0	6	98.7	0.89	0.89	0.00	1.06	11.7	12.5	2.38	0.15
18.86	32.1	0.60	1.88	-0.6	6	98.7	0.89	0.89	0.00	1.06	12.3	13.0	2.49	0.14
19.03	28.3	0.56	1.98	-1.4	6	98.7	0.90	0.90	0.00	1.05	10.8	11.4	2.19	0.16
19.19	26.5	0.54	2.04	0.2	6	98.7	0.91	0.91	0.00	1.05	10.2	10.6	2.05	0.19
19.36	26.1	0.54	2.08	0.4	6	98.7	0.92	0.92	0.00	1.04	10.0	10.4	2.01	0.20
19.52	28.1	0.64	2.29	1.4	6	98.7	0.93	0.93	0.00	1.04	10.7	11.2	2.17	0.23
19.68	33.6	0.76	2.27	1.7	6	98.7	0.93	0.93	0.00	1.03	12.9	13.3	2.61	0.19
19.85	35.4	0.85	2.40	-1.5	6	98.7	0.94	0.94	0.00	1.03	13.6	14.0	2.76	0.21
20.01	38.8	0.92	2.37	-0.6	6	98.7	0.95	0.95	0.00	1.03	14.9	15.3	3.03	0.20
20.18	42.4	0.80	1.89	-0.5	6	98.7	0.96	0.96	0.00	1.02	16.2	16.6	3.32	0.15
20.34	45.5	0.80	1.76	-0.9	7	98.7	0.97	0.97	0.00	1.02	14.5	14.8	UnDef	0.15
20.51	40.7	0.76	1.87	-0.5	6	98.7	0.98	0.98	0.00	1.01	15.6	15.8	3.18	0.15
20.67	40.7	0.71	1.75	2.0	7	98.7	0.98	0.98	0.00	1.01	13.0	13.1	UnDef	0.14
20.83	46.5	0.84	1.81	-1.1	7	98.7	0.99	0.99	0.00	1.00	14.8	14.9	UnDef	0.16
21.00	44.0	0.85	1.94	0.3	6	98.7	1.00	1.00	0.00	1.00	16.9	16.9	3.44	0.16
21.16	42.0	0.86	2.05	1.0	6	98.7	1.01	1.01	0.00	1.00	16.1	16.0	3.28	0.17
21.33	39.2	0.78	1.99	2.3	6	98.7	1.02	1.02	0.00	0.99	15.0	14.9	3.06	0.17
21.49	40.3	0.80	1.99	4.6	6	98.7	1.02	1.02	0.00	0.99	15.4	15.2	3.14	0.17
21.65	39.8	0.77	1.94	4.9	6	98.7	1.03	1.03	0.00	0.98	15.2	15.0	3.10	0.16
21.82	39.4	0.73	1.86	6.0	6	98.7	1.04	1.04	0.00	0.98	15.1	14.8	3.07	0.16
21.98	35.2	0.66	1.88	1.1	6	98.7	1.05	1.05	0.00	0.98	13.5	13.2	2.73	0.16
22.15	32.0	0.62	1.94	4.3	6	98.7	1.06	1.06	0.00	0.97	12.2	11.9	2.47	0.18
.31	31.5	0.61	1.94	7.5	6	98.7	1.06	1.06	0.00	0.97	12.1	11.7	2.43	0.19
.47	28.9	0.60	2.08	10.8	6	98.7	1.07	1.07	0.00	0.97	11.1	10.7	2.23	0.26
22.64	28.8	0.60	2.09	14.5	6	98.7	1.08	1.08	0.00	0.96	11.0	10.6	2.22	0.27
22.80	27.9	0.54	1.94	19.0	6	98.7	1.09	1.09	0.00	0.96	10.7	10.2	2.14	0.24
22.97	26.4	0.59	2.24	21.7	6	98.7	1.10	1.10	0.00	0.96	10.1	9.7	2.03	0.26
23.13	26.6	0.55	2.08	24.6	6	98.7	1.10	1.10	0.00	0.95	10.2	9.7	2.04	0.26
23.29	23.2	0.46	1.99	27.3	6	98.7	1.11	1.11	0.00	0.95	8.9	8.4	1.77	0.20
23.46	23.8	0.33	1.39	31.8	6	98.7	1.12	1.12	0.00	0.94	9.1	8.6	1.82	0.16
23.62	22.7	0.29	1.28	35.9	6	98.7	1.13	1.13	0.00	0.94	8.7	8.2	1.72	0.15
23.79	25.1	0.99	3.95	41.5	4	79.6	1.14	1.14	0.00	0.94	16.0	15.0	1.92	0.22
23.95	25.5	0.90	3.54	11.7	5	85.3	1.14	1.14	0.00	0.94	12.2	11.4	1.95	0.23
24.11	37.2	0.92	2.48	10.7	6	98.7	1.15	1.15	0.00	0.93	14.3	13.3	2.89	0.33
24.28	26.7	0.73	2.74	4.3	5	85.3	1.16	1.16	0.00	0.93	12.8	11.9	2.05	0.25
24.44	21.3	0.60	2.82	6.4	5	85.3	1.17	1.17	0.00	0.93	10.2	9.5	1.61	0.16
24.61	25.2	0.39	1.55	8.5	6	98.7	1.17	1.17	0.00	0.92	9.7	8.9	1.92	0.21
24.77	24.1	0.34	1.41	5.9	6	98.7	1.18	1.18	0.00	0.92	9.2	8.5	1.83	0.19
24.93	22.5	0.49	2.19	9.3	6	98.7	1.19	1.19	0.00	0.92	8.6	7.9	1.70	0.18
25.10	30.0	0.54	1.80	12.7	6	98.7	1.20	1.20	0.00	0.91	11.5	10.5	2.31	0.23
25.26	28.2	0.73	2.59	12.2	6	98.7	1.20	1.20	0.00	0.91	10.8	9.9	2.16	0.27
25.43	31.9	0.64	2.01	14.1	6	98.7	1.21	1.21	0.00	0.91	12.2	11.1	2.46	0.28
25.59	34.9	0.89	2.55	15.1	6	98.7	1.22	1.22	0.00	0.91	13.4	12.1	2.70	0.42
25.75	33.4	0.87	2.61	5.5	6	98.7	1.23	1.23	0.00	0.90	12.8	11.5	2.57	0.38
25.92	31.5	0.85	2.70	8.4	6	98.7	1.24	1.24	0.00	0.90	12.1	10.9	2.42	0.33
26.08	30.5	0.63	2.07	10.2	6	98.7	1.25	1.25	0.00	0.90	11.7	10.5	2.34	0.30
26.25	24.6	0.62	2.52	11.4	6	98.7	1.25	1.25	0.00	0.89	9.4	8.4	1.87	0.20
26.41	29.6	0.61	2.06	14.5	6	98.7	1.26	1.26	0.00	0.89	11.4	10.1	2.27	0.28
26.57	32.6	0.59	1.82	13.3	6	98.7	1.27	1.27	0.00	0.89	12.5	11.1	2.50	0.23
26.74	28.6	0.69	2.42	14.7	6	98.7	1.28	1.28	0.00	0.88	10.9	9.7	2.18	0.26
26.90	33.2	0.79	2.39	18.7	6	98.7	1.29	1.29	0.00	0.88	12.7	11.2	2.55	0.35
27.07	43.1	1.17	2.72	19.5	6	98.7	1.29	1.29	0.00	0.88	16.5	14.5	3.35	0.00
27.23	56.0	1.01	1.81	14.3	7	98.7	1.30	1.30	0.00	0.88	17.9	15.7	UnDef	0.19
.39	59.9	1.08	1.81	0.9	7	98.7	1.31	1.31	0.00	0.87	19.1	16.7	UnDef	0.19
56	42.3	1.28	3.03	1.9	5	85.3	1.32	1.32	0.00	0.87	20.3	17.6	3.28	0.00
.72	42.2	1.19	2.83	2.9	6	98.7	1.33	1.33	0.00	0.87	16.2	14.0	3.27	0.00
27.89	54.8	0.95	1.74	3.7	7	98.7	1.33	1.33	0.00	0.87	17.5	15.2	UnDef	0.18

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
28.05	69.1	1.05	1.52	1.2	7	98.7	1.34	1.34	0.00	0.86	22.0	19.0	UnDef	0.18
28.21	59.5	1.18	1.99	0.2	7	98.7	1.35	1.35	0.00	0.86	19.0	16.4	UnDef	0.22
28.38	46.1	1.30	2.82	2.5	6	98.7	1.36	1.36	0.00	0.86	17.7	15.2	3.58	0.00
28.54	47.0	1.38	2.94	5.1	6	98.7	1.37	1.37	0.00	0.86	18.0	15.4	3.65	0.00
28.71	43.7	1.28	2.94	4.6	6	98.7	1.37	1.37	0.00	0.85	16.7	14.3	3.39	0.00
28.87	45.5	1.28	2.82	8.2	6	98.7	1.38	1.38	0.00	0.85	17.4	14.8	3.53	0.00
29.04	44.6	1.25	2.81	7.4	6	98.7	1.39	1.39	0.00	0.85	17.1	14.5	3.45	0.00
29.20	49.3	1.35	2.75	10.6	6	98.7	1.40	1.40	0.00	0.85	18.9	16.0	3.83	0.00
29.36	70.4	1.26	1.79	10.0	7	98.7	1.41	1.41	0.00	0.84	22.5	19.0	UnDef	0.21
29.53	115.1	1.34	1.17	3.5	8	101.8	1.41	1.41	0.00	0.84	27.5	23.2	UnDef	0.26
29.69	136.5	1.31	0.96	0.4	9	101.8	1.42	1.42	0.00	0.84	26.1	21.9	UnDef	0.30
29.86	146.9	1.42	0.97	-0.1	9	101.8	1.43	1.43	0.00	0.84	28.1	23.5	UnDef	0.34
30.02	152.5	1.58	1.04	-0.2	9	101.8	1.44	1.44	0.00	0.83	29.2	24.4	UnDef	0.37
30.18	148.6	1.98	1.34	-0.5	8	101.8	1.45	1.45	0.00	0.83	35.6	29.6	UnDef	0.41
30.35	131.3	1.73	1.32	-0.1	8	101.8	1.46	1.46	0.00	0.83	31.4	26.0	UnDef	0.33
30.51	129.7	1.82	1.41	-0.2	8	101.8	1.46	1.46	0.00	0.83	31.0	25.7	UnDef	0.34
30.68	183.6	1.94	1.06	0.0	9	101.8	1.47	1.47	0.00	0.82	35.2	29.0	UnDef	0.00
30.84	155.9	1.92	1.23	-0.3	8	101.8	1.48	1.48	0.00	0.82	37.3	30.7	UnDef	0.42
31.00	85.0	2.21	2.60	-0.3	6	98.7	1.49	1.49	0.00	0.82	32.5	26.7	6.68	0.40
31.17	79.5	2.51	3.15	-0.2	6	98.7	1.50	1.50	0.00	0.82	30.5	24.9	6.24	0.00
31.33	50.2	2.04	4.08	0.2	5	85.3	1.51	1.51	0.00	0.82	24.0	19.6	3.89	0.00
31.50	35.7	1.50	4.21	0.3	4	79.6	1.51	1.51	0.00	0.81	22.8	18.5	2.74	0.00
31.66	158.2	1.52	0.96	1.5	9	101.8	1.52	1.52	0.00	0.81	30.3	24.6	UnDef	0.37
31.82	240.3	1.94	0.81	-0.4	9	101.8	1.53	1.53	0.00	0.81	46.0	37.2	UnDef	0.00
31.99	265.0	0.02	0.01	-0.3	10	127.3	1.54	1.54	0.00	0.81	42.3	34.1	UnDef	0.00
32.15	333.8	0.02	0.01	-0.4	10	127.3	1.55	1.55	0.00	0.80	53.3	42.8	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Page: 1b

Run No: 99-0525-1349-5347
Job No: 99-315
ient: Stone & Webster Engineering
oject: Private Fuel Storage Facility
Site: CPT-38
Location: PFSF (05996.02)
Cone: 20 TON A 041
CPT Date: 99/23/04
CPT Time: 15:06
CPT File: 315CP38.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	327.3	1.00	9	3.8	0.0	3.8	3.6	UnDef	UnDef	10.0	UnDef	0.0	1.9
0.33	1.7E-07	0.00	171.4	0.96	9	4.0	0.2	4.2	6.6	UnDef	UnDef	10.0	UnDef	0.1	2.1
0.49	5.0E-04	0.00	1000.0	0.09	10	42.5	0.0	42.5	0.0	50	80.0	1.0	-0.18	0.0	14.2
0.66	5.0E-03	0.00	1000.0	0.09	10	66.3	0.0	66.3	0.0	50	87.7	1.0	-0.18	0.0	16.6
0.82	5.0E-03	0.00	1000.0	0.11	10	70.8	0.0	70.8	0.0	50	85.8	1.0	-0.20	0.0	17.7
0.98	5.0E-04	0.00	757.7	0.15	10	64.1	0.0	64.1	0.0	50	80.0	1.0	-0.20	0.0	21.4
1.15	5.0E-04	0.00	579.0	0.07	10	58.0	0.0	58.0	0.0	50	74.7	1.0	-0.11	0.0	19.3
1.31	5.0E-04	0.00	469.3	0.07	10	54.3	0.0	54.3	0.0	48	70.8	1.0	-0.10	0.0	18.1
48	5.0E-04	0.00	380.1	0.31	10	49.9	0.0	49.9	0.0	48	66.6	1.0	-0.20	0.0	16.6
.64	5.0E-04	0.00	329.8	0.79	9	48.5	0.0	48.5	2.4	48	64.1	1.0	-0.28	0.0	16.2
1.80	5.0E-05	0.00	299.6	1.54	9	48.7	2.1	50.8	6.6	46	62.8	10.0	-0.34	0.5	20.0
1.97	5.0E-05	0.00	320.2	2.57	12	57.0	UnDef	UnDef	0.0	46	66.0	10.0	-0.44	UnDef	UnDef
2.13	5.0E-05	0.00	366.7	2.66	12	71.0	UnDef	UnDef	0.0	48	71.1	10.0	-0.47	UnDef	UnDef
2.30	5.0E-05	0.00	600.0	2.44	12	125.3	UnDef	UnDef	0.0	50	86.3	10.0	-0.50	UnDef	UnDef
2.46	5.0E-06	0.00	590.1	3.52	12	131.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.62	5.0E-08	0.00	348.7	6.10	11	82.3	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.79	5.0E-08	-0.01	236.8	6.43	11	58.8	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
2.95	5.0E-08	0.00	163.5	4.49	11	42.6	UnDef	UnDef	0.0	UnDef	UnDef	10.0	UnDef	UnDef	UnDef
3.12	5.0E-06	0.00	134.7	2.84	7	36.8	17.7	54.5	17.2	UnDef	UnDef	10.0	UnDef	4.7	23.1
3.28	5.0E-05	0.00	158.6	2.29	7	45.6	13.7	59.4	13.7	44	52.8	10.0	-0.34	3.1	21.3
3.44	5.0E-05	-0.01	128.4	2.28	7	39.0	14.9	53.9	15.3	44	47.5	10.0	-0.31	3.3	18.9
3.61	5.0E-05	-0.01	120.1	1.87	7	38.4	12.2	50.6	14.0	42	46.4	10.0	-0.28	2.7	18.1
3.77	5.0E-05	0.00	100.2	1.61	7	33.6	11.1	44.8	14.3	42	41.9	10.0	-0.24	2.5	15.9
3.94	5.0E-05	0.00	117.2	1.22	9	41.1	7.5	48.6	10.8	42	47.0	10.0	-0.22	1.8	18.2
4.10	5.0E-05	0.00	120.2	1.41	9	44.0	9.5	53.5	11.6	42	48.3	10.0	-0.24	2.2	19.8
4.27	5.0E-05	0.00	87.2	2.03	7	33.4	17.3	50.7	17.8	42	39.8	10.0	-0.25	3.6	17.0
4.43	5.0E-06	0.00	83.3	2.46	7	33.2	22.6	55.8	20.2	UnDef	UnDef	10.0	UnDef	5.6	22.2
4.59	5.0E-06	0.00	72.7	3.18	7	30.0	33.2	63.2	24.7	UnDef	UnDef	10.0	UnDef	7.3	22.3
4.76	5.0E-06	0.00	65.7	3.13	7	28.0	34.6	62.6	25.7	UnDef	UnDef	10.0	UnDef	7.4	21.4
4.92	5.0E-07	0.00	52.1	3.15	6	23.0	39.6	62.6	28.7	UnDef	UnDef	10.0	UnDef	10.0	25.4
5.09	5.0E-06	0.00	48.9	2.81	7	22.3	35.8	58.1	28.1	UnDef	UnDef	6.0	UnDef	7.0	18.1
5.25	5.0E-06	0.00	47.2	2.39	7	22.1	30.1	52.3	26.6	UnDef	UnDef	6.0	UnDef	6.2	17.3
5.41	5.0E-06	0.00	40.1	2.53	7	19.5	36.8	56.3	29.5	UnDef	UnDef	6.0	UnDef	6.7	16.5
5.58	5.0E-06	0.00	40.3	2.65	6	20.1	40.4	60.5	30.0	UnDef	UnDef	6.0	UnDef	7.2	17.1
5.74	5.0E-06	0.00	38.9	2.47	7	20.0	38.3	58.3	29.6	UnDef	UnDef	6.0	UnDef	6.8	16.6
5.91	5.0E-06	0.00	41.0	2.37	7	21.3	35.5	56.8	28.4	UnDef	UnDef	6.0	UnDef	6.7	17.1
6.07	5.0E-06	0.00	45.3	2.26	7	23.7	31.9	55.6	26.5	UnDef	UnDef	6.0	UnDef	6.5	18.1
6.23	5.0E-06	0.00	38.5	2.87	6	20.5	51.1	71.6	31.7	UnDef	UnDef	6.0	UnDef	8.1	18.1
6.40	5.0E-06	0.01	40.8	2.55	7	22.0	40.9	63.0	29.4	UnDef	UnDef	6.0	UnDef	7.4	18.2
6.56	5.0E-06	0.01	40.9	2.07	7	22.3	31.2	53.5	26.8	UnDef	UnDef	6.0	UnDef	6.3	17.2
73	5.0E-06	0.02	41.5	1.99	7	22.9	29.9	52.8	26.2	UnDef	UnDef	6.0	UnDef	6.2	17.4
.89	5.0E-06	0.02	43.1	1.73	7	24.0	25.2	49.2	24.2	UnDef	UnDef	6.0	UnDef	5.5	17.3

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

pth (t)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-06	0.04	38.1	1.66	7	21.6	25.8	47.4	25.4	UnDef	UnDef	6.0	UnDef	5.5	16.0
7.22	5.0E-06	0.06	35.0	1.59	7	20.1	26.0	46.1	26.2	UnDef	UnDef	6.0	UnDef	5.4	15.2
7.38	5.0E-07	0.09	32.7	3.53	6	18.9	75.8	94.7	37.2	UnDef	UnDef	6.0	UnDef	12.4	24.7
7.55	5.0E-07	0.10	35.3	3.37	6	20.6	82.5	103.2	35.2	UnDef	UnDef	6.0	UnDef	13.5	26.9
7.71	5.0E-06	0.02	44.9	2.34	7	26.3	37.5	63.8	27.0	UnDef	UnDef	6.0	UnDef	7.5	20.4
7.87	5.0E-06	0.04	39.8	2.22	7	23.7	37.9	61.6	28.0	UnDef	UnDef	6.0	UnDef	7.3	18.8
8.04	5.0E-06	0.05	38.6	1.82	7	23.2	30.3	53.4	26.2	UnDef	UnDef	6.0	UnDef	6.2	17.6
8.20	5.0E-05	0.06	36.6	1.58	7	22.2	26.7	48.9	25.4	38	30.0	6.0	-0.12	4.5	13.2
8.37	5.0E-06	0.08	34.5	1.56	7	21.2	27.5	48.7	26.1	UnDef	UnDef	6.0	UnDef	5.7	16.0
8.53	5.0E-05	0.08	39.8	1.52	7	24.6	25.2	49.8	24.0	38	30.0	6.0	-0.13	4.5	14.1
8.69	5.0E-05	0.10	36.2	1.71	7	22.7	30.4	53.1	26.5	38	30.0	6.0	-0.13	5.0	13.8
8.86	5.0E-05	0.11	36.3	1.67	7	23.0	29.8	52.8	26.1	38	30.0	6.0	-0.12	4.9	13.9
9.02	5.0E-06	0.13	35.2	1.76	7	22.5	32.6	55.2	27.1	UnDef	UnDef	6.0	UnDef	6.5	17.5
9.19	5.0E-05	0.14	35.2	1.66	7	22.8	30.7	53.4	26.5	38	30.0	6.0	-0.12	5.0	13.9
9.35	5.0E-05	0.15	35.2	1.69	7	23.0	31.8	54.7	26.7	38	30.0	6.0	-0.12	5.1	14.1
9.51	5.0E-05	0.17	33.4	1.75	7	22.0	34.5	56.5	27.9	36	30.0	6.0	-0.11	5.3	14.0
9.68	5.0E-06	0.18	31.7	1.74	7	21.1	35.9	57.0	28.6	UnDef	UnDef	6.0	UnDef	6.7	17.0
9.84	5.0E-05	0.18	32.3	1.68	7	21.7	34.1	55.8	27.9	36	30.0	6.0	-0.10	5.3	13.8
10.01	5.0E-05	0.19	32.3	1.65	7	21.9	33.7	55.6	27.7	36	30.0	6.0	-0.10	5.2	13.8
10.17	5.0E-05	0.20	31.1	1.61	7	21.3	34.0	55.3	28.0	36	30.0	6.0	-0.09	5.2	13.5
10.33	5.0E-05	0.20	32.3	1.66	7	22.3	34.5	56.8	27.7	36	30.0	6.0	-0.10	5.3	14.1
10.50	5.0E-05	0.21	31.7	1.80	7	22.1	38.9	61.0	28.9	36	30.0	6.0	-0.10	5.7	14.4
10.66	5.0E-08	0.23	27.1	4.76	1	19.1	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
10.83	5.0E-06	0.13	39.2	2.72	6	27.5	60.5	88.0	30.7	UnDef	UnDef	6.0	UnDef	10.2	23.6
10.99	5.0E-05	0.00	65.0	1.74	7	45.5	28.1	73.6	19.3	40	44.7	10.0	-0.20	5.6	23.4
11.15	5.0E-05	0.00	48.0	1.70	7	34.1	30.2	64.3	22.6	38	36.4	6.0	-0.17	5.6	18.9
11.32	5.0E-05	0.00	45.2	1.56	7	32.4	28.4	60.8	22.5	38	35.0	6.0	-0.15	5.2	17.9
11.48	5.0E-04	0.00	66.9	0.80	9	48.0	12.5	60.5	12.8	40	46.2	1.0	-0.13	2.3	18.0
11.65	5.0E-03	0.00	92.8	0.49	9	66.8	0.0	66.8	5.0	42	55.7	1.0	-0.12	0.0	16.3
.81	5.0E-03	0.00	117.1	0.29	9	84.8	0.0	84.8	3.7	42	62.5	1.0	-0.10	0.0	20.7
.97	5.0E-03	0.00	104.3	0.21	9	76.2	0.0	76.2	3.6	42	59.5	1.0	-0.06	0.0	18.6
12.14	5.0E-03	0.00	86.7	0.23	9	63.9	0.0	63.9	5.0	42	54.4	1.0	-0.05	0.0	15.6
12.30	5.0E-03	0.00	78.5	0.43	9	58.4	0.0	58.4	5.0	42	51.8	1.0	-0.09	0.0	14.3
12.47	5.0E-04	0.00	70.3	1.20	7	52.7	19.7	72.4	15.2	40	48.9	1.0	-0.17	3.5	20.7
12.63	5.0E-04	0.00	55.6	1.28	7	42.2	22.9	65.1	18.2	40	42.5	1.0	-0.15	3.9	17.6
12.80	5.0E-04	0.01	52.7	0.94	7	40.3	17.4	57.7	16.3	38	41.2	1.0	-0.12	3.1	16.2
12.96	5.0E-03	0.00	125.3	0.44	9	95.3	0.0	95.3	4.7	44	65.9	1.0	-0.14	0.0	23.3
13.12	5.0E-03	0.00	150.5	0.39	9	115.2	0.0	115.2	3.2	44	71.3	1.0	-0.14	0.0	28.2
13.29	5.0E-03	0.00	152.3	0.43	9	117.3	0.0	117.3	3.5	44	71.9	1.0	-0.15	0.0	28.7
13.45	5.0E-02	0.00	162.8	0.43	9	126.2	0.0	126.2	3.1	44	74.0	1.0	-0.16	0.0	24.7
13.62	5.0E-02	0.00	179.3	0.46	9	139.9	0.0	139.9	2.9	44	76.9	1.0	-0.17	0.0	27.4
13.78	5.0E-02	0.00	188.6	0.53	9	148.0	0.0	148.0	3.2	44	78.5	1.0	-0.19	0.0	29.0
13.94	5.0E-02	0.00	197.6	0.52	9	156.1	0.0	156.1	2.9	46	80.0	1.0	-0.19	0.0	30.6
14.11	5.0E-02	0.00	197.2	0.58	9	156.8	0.0	156.8	3.3	46	80.2	1.0	-0.20	0.0	30.7
14.27	5.0E-02	0.00	179.7	0.63	9	143.9	0.0	143.9	4.2	44	77.7	1.0	-0.20	0.0	28.2
14.44	5.0E-02	0.00	167.5	0.60	9	135.0	0.0	135.0	4.3	44	75.9	1.0	-0.19	0.0	26.4
14.60	5.0E-02	0.00	158.7	0.60	9	128.8	0.0	128.8	4.6	44	74.5	1.0	-0.18	0.0	25.2
14.76	5.0E-02	0.00	157.1	0.56	9	128.2	0.0	128.2	4.3	44	74.4	1.0	-0.18	0.0	25.1
14.93	5.0E-02	0.00	166.5	0.52	9	136.7	0.0	136.7	3.7	44	76.2	1.0	-0.18	0.0	26.8
15.09	5.0E-02	0.00	186.3	0.52	9	153.7	0.0	153.7	3.1	44	79.6	1.0	-0.19	0.0	30.1
15.26	5.0E-02	0.00	200.3	0.55	9	166.2	0.0	166.2	3.0	46	81.8	1.0	-0.20	0.0	32.5
15.42	5.0E-02	0.00	208.8	0.57	9	174.3	0.0	174.3	3.0	46	83.2	1.0	-0.20	0.0	34.1
15.58	5.0E-02	0.00	220.0	0.58	9	184.6	0.0	184.6	2.8	46	84.8	1.0	-0.21	0.0	36.1
15.75	5.0E-02	0.00	223.7	0.60	9	188.8	0.0	188.8	2.9	46	85.5	1.0	-0.22	0.0	37.0
15.91	5.0E-02	0.00	215.8	0.60	9	183.2	0.0	183.2	3.0	46	84.6	1.0	-0.21	0.0	35.9
16.08	5.0E-02	0.00	186.8	0.62	9	159.6	0.0	159.6	3.9	44	80.7	1.0	-0.20	0.0	31.2
16.24	5.0E-02	0.00	155.5	0.56	9	133.7	0.0	133.7	4.4	44	75.6	1.0	-0.18	0.0	26.2
16.40	5.0E-02	0.00	140.3	0.53	9	121.4	0.0	121.4	4.8	44	72.8	1.0	-0.16	0.0	23.8
16.57	5.0E-03	0.00	125.9	0.87	9	109.6	9.6	119.1	8.0	44	69.9	1.0	-0.20	1.4	28.2
16.73	5.0E-03	0.00	110.8	0.95	9	97.1	13.3	110.4	9.5	42	66.4	1.0	-0.19	1.9	25.7
.90	5.0E-03	0.00	119.0	0.93	9	104.8	11.9	116.7	8.8	42	68.6	1.0	-0.20	1.8	27.4
06	5.0E-03	0.00	126.5	0.97	9	111.9	12.0	123.9	8.6	44	70.5	1.0	-0.21	1.8	29.1
.22	5.0E-03	0.00	120.1	0.86	9	106.8	10.3	117.1	8.3	42	69.2	1.0	-0.19	1.5	27.7
17.39	5.0E-03	0.00	98.4	1.39	9	88.1	24.8	112.9	13.2	42	63.7	1.0	-0.22	3.4	25.0

ConeTec Inc. - CPT Interpretation
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CPT File: 315CP38.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-03	0.00	143.2	0.91	9	128.5	8.8	137.4	7.4	44	74.5	1.0	-0.21	1.3	32.8
17.72	5.0E-03	0.00	123.0	1.13	9	111.0	16.5	127.6	9.9	42	70.3	1.0	-0.22	2.4	29.6
17.88	5.0E-04	0.00	82.0	1.73	7	74.7	34.5	109.2	16.8	42	58.9	1.0	-0.22	6.0	30.4
18.04	5.0E-05	0.00	57.6	2.08	7	53.0	46.5	99.5	22.5	40	49.1	10.0	-0.21	8.6	29.3
18.21	5.0E-05	0.00	37.7	2.75	6	35.2	84.7	119.8	31.5	38	37.3	6.0	-0.20	10.9	24.7
18.37	5.0E-05	0.00	34.5	2.27	7	32.4	68.4	100.8	30.4	36	35.0	6.0	-0.16	9.3	22.0
18.54	5.0E-05	0.00	33.7	2.03	7	31.8	59.6	91.4	29.4	36	34.5	6.0	-0.15	8.6	21.0
18.70	5.0E-05	0.00	33.5	2.02	7	31.8	59.7	91.6	29.4	36	34.5	6.0	-0.15	8.6	21.0
18.86	5.0E-05	0.00	34.9	1.93	7	33.2	54.8	88.0	28.3	38	35.7	6.0	-0.15	8.3	21.3
19.03	5.0E-05	0.00	30.4	2.05	7	29.1	67.1	96.2	31.1	36	31.9	6.0	-0.14	8.8	20.2
19.19	5.0E-05	0.00	28.1	2.11	6	27.2	77.1	104.3	32.7	36	30.0	6.0	-0.13	9.2	19.8
19.36	5.0E-05	0.00	27.4	2.15	6	26.6	82.8	109.4	33.3	36	30.0	6.0	-0.13	9.4	19.8
19.52	5.0E-05	0.00	29.3	2.36	6	28.5	90.0	118.6	33.4	36	31.3	6.0	-0.15	10.1	21.3
19.68	5.0E-05	0.00	35.0	2.33	7	34.0	72.8	106.8	30.5	38	36.4	6.0	-0.17	9.9	23.2
19.85	5.0E-05	0.00	36.6	2.47	6	35.7	76.7	112.4	30.6	38	37.8	6.0	-0.18	10.4	24.4
20.01	5.0E-05	0.00	39.8	2.43	7	39.0	70.7	109.6	29.1	38	40.3	6.0	-0.19	10.3	25.6
20.18	5.0E-05	0.00	43.2	1.93	7	42.4	50.4	92.8	25.4	38	42.7	6.0	-0.17	8.5	25.1
20.34	5.0E-04	0.00	46.1	1.80	7	45.3	45.3	90.7	23.7	38	44.6	1.0	-0.17	6.7	21.5
20.51	5.0E-05	0.00	40.7	1.92	7	40.3	51.8	92.1	26.1	38	41.2	6.0	-0.16	8.6	24.4
20.67	5.0E-04	0.00	40.4	1.79	7	40.2	48.2	88.4	25.4	38	41.1	1.0	-0.15	6.8	19.9
20.83	5.0E-04	0.00	45.9	1.85	7	45.7	47.5	93.2	24.1	38	44.8	1.0	-0.17	7.0	21.9
21.00	5.0E-05	0.00	43.0	1.98	7	43.1	53.0	96.1	25.7	38	43.1	6.0	-0.17	8.9	25.8
21.16	5.0E-05	0.00	40.7	2.10	7	40.9	59.1	100.0	27.1	38	41.7	6.0	-0.17	9.4	25.4
21.33	5.0E-05	0.00	37.6	2.05	7	38.1	59.9	98.0	27.9	38	39.6	6.0	-0.16	9.2	24.1
21.49	5.0E-05	0.00	38.3	2.04	7	38.9	59.3	98.3	27.6	38	40.2	6.0	-0.16	9.3	24.5
21.65	5.0E-05	0.00	37.5	1.99	7	38.3	58.5	96.8	27.6	38	39.8	6.0	-0.16	9.1	24.1
21.82	5.0E-05	0.00	36.9	1.91	7	37.9	56.0	93.9	27.4	38	39.4	6.0	-0.15	8.8	23.6
21.98	5.0E-05	0.00	32.6	1.94	7	33.7	62.6	96.3	29.4	36	36.1	6.0	-0.14	9.0	22.2
22.15	5.0E-05	0.00	29.3	2.01	7	30.4	73.2	103.6	31.5	36	33.2	6.0	-0.13	9.4	21.3
.31	5.0E-05	0.01	28.6	2.01	6	29.8	75.4	105.3	31.8	36	32.6	6.0	-0.13	9.5	21.2
.47	5.0E-05	0.01	26.0	2.16	6	27.3	97.4	124.8	34.2	34	30.1	6.0	-0.12	10.2	20.9
22.64	5.0E-05	0.02	25.7	2.17	6	27.1	100.5	127.6	34.5	34	30.0	6.0	-0.12	10.3	20.9
22.80	5.0E-05	0.02	24.6	2.02	6	26.1	94.2	120.4	34.3	34	30.0	6.0	-0.11	9.8	20.1
22.97	5.0E-05	0.03	23.1	2.34	6	24.7	98.8	123.5	37.2	34	30.0	6.0	-0.12	9.7	19.3
23.13	5.0E-05	0.03	23.0	2.17	6	24.7	98.9	123.6	36.3	34	30.0	6.0	-0.11	9.7	19.4
23.29	5.0E-05	0.04	19.8	2.09	6	21.5	86.1	107.6	38.5	34	30.0	6.0	-0.09	8.4	16.8
23.46	5.0E-05	0.04	20.3	1.46	6	22.0	73.2	95.3	33.8	34	30.0	6.0	-0.06	8.0	16.6
23.62	5.0E-05	0.05	19.1	1.35	6	20.9	72.0	92.9	34.0	32	30.0	6.0	-0.05	7.7	15.9
23.79	5.0E-07	0.05	21.1	4.14	4	23.0	92.2	115.2	47.4	UnDef	UnDef	6.0	UnDef	15.0	30.1
23.95	5.0E-06	0.01	21.3	3.71	6	23.3	93.3	116.6	45.5	UnDef	UnDef	6.0	UnDef	11.4	22.8
24.11	5.0E-05	0.01	31.4	2.56	6	34.0	105.8	139.8	33.4	36	36.3	6.0	-0.17	12.0	25.3
24.28	5.0E-06	0.01	22.1	2.86	6	24.3	97.2	121.5	40.9	UnDef	UnDef	6.0	UnDef	11.9	23.8
24.44	5.0E-06	0.01	17.3	2.99	6	19.3	77.3	96.6	46.2	UnDef	UnDef	6.0	UnDef	9.5	18.9
24.61	5.0E-05	0.01	20.5	1.63	6	22.8	89.5	112.3	34.9	34	30.0	6.0	-0.07	8.9	17.8
24.77	5.0E-05	0.01	19.4	1.49	6	21.7	84.3	106.0	34.8	32	30.0	6.0	-0.06	8.4	16.9
24.93	5.0E-05	0.01	17.9	2.31	6	20.2	80.7	100.8	41.8	32	30.0	6.0	-0.09	7.9	15.8
25.10	5.0E-05	0.01	24.1	1.88	6	26.9	89.3	116.1	33.8	34	30.0	6.0	-0.10	9.7	20.2
25.26	5.0E-05	0.01	22.4	2.71	6	25.2	100.7	125.8	39.8	34	30.0	6.0	-0.13	9.9	19.7
25.43	5.0E-05	0.01	25.3	2.09	6	28.4	101.0	129.4	34.2	34	31.2	6.0	-0.12	10.6	21.7
25.59	5.0E-05	0.01	27.6	2.65	6	30.9	123.8	154.7	35.9	36	33.7	6.0	-0.15	12.1	24.2
25.75	5.0E-05	0.01	26.2	2.71	6	29.5	117.8	147.3	37.1	34	32.2	6.0	-0.15	11.5	23.1
25.92	5.0E-05	0.01	24.5	2.81	6	27.7	111.0	138.7	38.8	34	30.5	6.0	-0.15	10.9	21.7
26.08	5.0E-05	0.01	23.5	2.16	6	26.8	107.1	133.8	35.9	34	30.0	6.0	-0.11	10.5	21.0
26.25	5.0E-05	0.02	18.7	2.66	6	21.5	86.2	107.7	42.9	32	30.0	6.0	-0.11	8.4	16.9
26.41	5.0E-05	0.02	22.5	2.15	6	25.8	103.3	129.2	36.7	34	30.0	6.0	-0.11	10.1	20.2
26.57	5.0E-05	0.01	24.7	1.89	6	28.3	89.6	117.9	33.5	34	31.1	6.0	-0.11	10.0	21.1
26.74	5.0E-05	0.02	21.3	2.54	6	24.7	98.9	123.6	39.8	34	30.0	6.0	-0.12	9.7	19.4
26.90	5.0E-05	0.02	24.8	2.48	6	28.6	114.5	143.2	36.8	34	31.4	6.0	-0.13	11.2	22.4
27.07	5.0E-05	0.01	32.3	2.80	6	37.1	128.9	166.0	34.1	36	38.9	6.0	-0.18	13.7	28.3
27.23	5.0E-04	0.01	42.0	1.85	7	48.0	56.6	104.6	25.3	38	46.2	1.0	-0.16	8.0	23.7
.39	5.0E-04	0.00	44.7	1.85	7	51.2	55.1	106.3	24.4	38	48.1	1.0	-0.17	8.0	24.7
56	5.0E-06	0.00	31.1	3.13	6	36.1	144.2	180.3	36.2	UnDef	UnDef	6.0	UnDef	17.6	35.3
.72	5.0E-05	0.00	30.8	2.92	6	35.9	143.4	179.3	35.4	36	37.9	6.0	-0.18	14.0	28.1
27.89	5.0E-04	0.00	40.1	1.78	7	46.5	55.9	102.4	25.5	38	45.3	1.0	-0.15	7.9	23.0

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5347
CPT File: 315CP38.COR

pth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
28.05	5.0E-04	0.00	50.5	1.55	7	58.4	44.1	102.4	21.1	38	51.8	1.0	-0.16	7.0	26.0
28.21	5.0E-04	0.00	43.1	2.03	7	50.2	63.6	113.7	25.9	38	47.5	1.0	-0.18	8.8	25.2
28.38	5.0E-05	0.00	33.0	2.91	6	38.7	138.9	177.6	34.3	36	40.1	6.0	-0.19	14.5	29.7
28.54	5.0E-05	0.00	33.4	3.03	6	39.3	149.5	188.8	34.6	36	40.5	6.0	-0.20	15.1	30.5
28.71	5.0E-05	0.00	30.8	3.03	6	36.5	146.0	182.5	35.9	36	38.4	6.0	-0.19	14.3	28.6
28.87	5.0E-05	0.01	31.9	2.91	6	37.9	147.0	184.9	34.8	36	39.5	6.0	-0.19	14.7	29.5
29.04	5.0E-05	0.01	31.1	2.90	6	37.0	148.0	184.9	35.2	36	38.8	6.0	-0.18	14.5	29.0
29.20	5.0E-05	0.01	34.3	2.83	6	40.8	125.9	166.7	33.3	36	41.6	6.0	-0.19	14.3	30.3
29.36	5.0E-04	0.00	49.1	1.83	7	58.1	54.4	112.5	23.1	38	51.7	1.0	-0.18	8.2	27.2
29.53	5.0E-03	0.00	80.4	1.18	9	94.7	28.9	123.6	13.8	42	65.7	1.0	-0.18	4.0	27.1
29.69	5.0E-02	0.00	95.0	0.97	9	112.0	20.9	132.9	10.9	42	70.5	1.0	-0.18	2.4	24.3
29.86	5.0E-02	0.00	101.7	0.98	9	120.2	20.1	140.3	10.4	42	72.5	1.0	-0.19	2.3	25.8
30.02	5.0E-02	0.00	105.0	1.05	9	124.4	21.7	146.2	10.6	42	73.5	1.0	-0.20	2.5	26.9
30.18	5.0E-03	0.00	101.7	1.35	9	120.9	31.2	152.1	12.7	42	72.7	1.0	-0.22	4.4	33.9
30.35	5.0E-03	0.00	89.2	1.34	9	106.5	32.6	139.0	13.8	42	69.1	1.0	-0.20	4.5	30.5
30.51	5.0E-03	0.00	87.5	1.42	7	104.9	35.4	140.3	14.5	42	68.6	1.0	-0.21	4.8	30.5
30.68	5.0E-02	0.00	123.7	1.07	9	148.0	19.9	167.9	9.4	42	78.5	1.0	-0.21	2.3	31.3
30.84	5.0E-03	0.00	104.2	1.25	9	125.3	28.2	153.5	11.9	42	73.7	1.0	-0.21	4.0	34.6
31.00	5.0E-05	0.00	56.0	2.64	7	68.1	82.9	151.1	25.6	40	56.3	10.0	-0.24	13.9	40.6
31.17	5.0E-05	0.00	52.1	3.21	6	63.6	112.9	176.5	29.0	38	54.3	10.0	-0.27	16.6	41.5
31.33	5.0E-06	0.00	32.3	4.20	6	40.0	160.0	200.0	40.0	UnDef	UnDef	6.0	UnDef	19.6	39.2
31.50	5.0E-07	0.00	22.6	4.40	1	28.4	UnDef	UnDef	100.0	UnDef	UnDef	6.0	UnDef	UnDef	UnDef
31.66	5.0E-02	0.00	103.1	0.97	9	125.6	20.3	145.9	10.2	42	73.8	1.0	-0.19	2.3	26.9
31.82	5.0E-02	0.00	156.3	0.81	9	190.2	6.4	196.6	6.2	44	85.7	1.0	-0.21	0.8	38.0
31.99	5.0E+00	0.00	171.4	0.01	10	209.2	0.0	209.2	3.2	44	88.4	1.0	0.15	0.0	34.1
32.15	5.0E+00	0.00	214.7	0.01	10	262.6	0.0	262.6	3.0	46	94.9	1.0	0.13	0.0	42.8

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5385
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Faclity
Site: CPT-39
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 16:12
CPT File: 315CP39.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
0.16	3.9	0.02	0.51	0.1	1	74.5	0.01	0.01	0.00	2.00	1.9	3.7	0.31	0.00
0.33	6.8	0.02	0.30	-0.1	1	74.5	0.01	0.01	0.00	2.00	3.2	6.5	0.54	0.00
0.49	9.6	0.02	0.21	-0.2	6	98.7	0.02	0.02	0.00	2.00	3.7	7.4	0.77	0.00
0.66	11.4	0.02	0.18	-0.3	6	98.7	0.03	0.03	0.00	2.00	4.4	8.7	0.91	0.00
0.82	13.0	0.02	0.15	-0.2	6	98.7	0.04	0.04	0.00	2.00	5.0	9.9	1.03	0.00
0.98	13.4	0.02	0.15	-0.5	6	98.7	0.04	0.04	0.00	2.00	5.1	10.3	1.07	0.00
1.15	13.3	0.02	0.15	-0.5	6	98.7	0.05	0.05	0.00	2.00	5.1	10.2	1.06	0.00
31	14.4	0.16	1.11	-0.6	6	98.7	0.06	0.06	0.00	2.00	5.5	11.1	1.15	0.00
.48	24.5	0.49	2.01	-0.6	6	98.7	0.07	0.07	0.00	2.00	9.4	18.7	1.95	0.09
1.64	75.4	0.92	1.22	-1.0	8	101.8	0.08	0.08	0.00	2.00	18.0	36.1	UnDef	0.36
1.80	51.3	0.97	1.90	0.3	7	98.7	0.08	0.08	0.00	2.00	16.4	32.7	UnDef	0.00
1.97	37.8	0.66	1.75	-0.7	6	98.7	0.09	0.09	0.00	2.00	14.5	29.0	3.02	0.12
2.13	28.7	0.20	0.70	0.0	7	98.7	0.10	0.10	0.00	2.00	9.2	18.4	UnDef	0.10
2.30	23.2	0.11	0.48	-0.3	7	98.7	0.11	0.11	0.00	2.00	7.4	14.8	UnDef	0.09
2.46	21.3	0.17	0.80	-0.3	6	98.7	0.12	0.12	0.00	2.00	8.2	16.3	1.70	0.09
2.62	22.6	0.35	1.56	-0.1	6	98.7	0.12	0.12	0.00	2.00	8.6	17.3	1.79	0.09
2.79	21.1	0.46	2.18	-0.1	6	98.7	0.13	0.13	0.00	2.00	8.1	16.2	1.68	0.09
2.95	21.0	0.44	2.11	0.0	6	98.7	0.14	0.14	0.00	2.00	8.0	16.1	1.66	0.09
3.12	20.5	0.38	1.86	0.1	6	98.7	0.15	0.15	0.00	2.00	7.9	15.7	1.63	0.09
3.28	17.3	0.30	1.74	2.4	6	98.7	0.16	0.16	0.00	2.00	6.6	13.3	1.37	0.09
3.44	20.6	0.33	1.60	-1.9	6	98.7	0.17	0.17	0.00	2.00	7.9	15.8	1.64	0.09
3.61	20.7	0.33	1.60	-0.6	6	98.7	0.17	0.17	0.00	2.00	7.9	15.9	1.64	0.09
3.77	18.9	0.34	1.80	0.0	6	98.7	0.18	0.18	0.00	2.00	7.2	14.5	1.50	0.09
3.94	18.4	0.27	1.47	-1.5	6	98.7	0.19	0.19	0.00	2.00	7.0	14.1	1.46	0.09
4.10	16.6	0.24	1.45	-2.2	6	98.7	0.20	0.20	0.00	2.00	6.4	12.7	1.31	0.09
4.27	16.2	0.21	1.30	-1.2	6	98.7	0.21	0.21	0.00	2.00	6.2	12.4	1.28	0.09
4.43	15.8	0.20	1.27	2.4	6	98.7	0.21	0.21	0.00	2.00	6.0	12.1	1.25	0.09
4.59	13.6	0.18	1.33	-0.2	6	98.7	0.22	0.22	0.00	2.00	5.2	10.4	1.07	0.09
4.76	13.2	0.15	1.14	-0.2	6	98.7	0.23	0.23	0.00	2.00	5.1	10.1	1.04	0.08
4.92	12.7	0.14	1.11	0.1	6	98.7	0.24	0.24	0.00	2.00	4.8	9.7	0.99	0.08
5.09	14.5	0.14	0.97	5.0	6	98.7	0.25	0.25	0.00	2.00	5.5	11.1	1.14	0.09
5.25	14.8	0.16	1.08	6.0	6	98.7	0.25	0.25	0.00	1.98	5.7	11.3	1.17	0.09
5.41	14.7	0.16	1.09	4.3	6	98.7	0.26	0.26	0.00	1.95	5.6	11.0	1.16	0.09
5.58	12.5	0.17	1.36	6.8	6	98.7	0.27	0.27	0.00	1.92	4.8	9.2	0.98	0.09
5.74	12.9	0.24	1.86	8.2	5	85.3	0.28	0.28	0.00	1.90	6.2	11.8	1.01	0.09
5.91	14.7	0.25	1.71	11.3	6	98.7	0.29	0.29	0.00	1.87	5.6	10.5	1.15	0.09
6.07	15.6	0.26	1.67	21.3	6	98.7	0.29	0.29	0.00	1.85	6.0	11.0	1.23	0.09
6.23	15.6	0.24	1.55	21.8	6	98.7	0.30	0.30	0.00	1.82	6.0	10.9	1.22	0.09
.40	15.5	0.24	1.55	31.2	6	98.7	0.31	0.31	0.00	1.80	6.0	10.7	1.22	0.09
56	16.3	0.24	1.47	33.2	6	98.7	0.32	0.32	0.00	1.77	6.2	11.1	1.28	0.09
.73	18.2	0.26	1.43	37.8	6	98.7	0.33	0.33	0.00	1.75	7.0	12.2	1.43	0.09
6.89	16.3	0.24	1.48	40.3	6	98.7	0.33	0.33	0.00	1.73	6.2	10.8	1.28	0.09

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

›th (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
7.05	16.0	0.24	1.51	43.7	6	98.7	0.34	0.34	0.00	1.71	6.1	10.5	1.25	0.09
7.22	16.1	0.21	1.31	46.8	6	98.7	0.35	0.35	0.00	1.69	6.2	10.4	1.26	0.09
7.38	18.8	0.24	1.28	50.3	6	98.7	0.36	0.36	0.00	1.67	7.2	12.0	1.47	0.09
7.55	18.7	0.24	1.29	44.9	6	98.7	0.37	0.37	0.00	1.65	7.2	11.8	1.46	0.09
7.71	19.2	0.24	1.25	42.8	6	98.7	0.37	0.37	0.00	1.63	7.4	12.0	1.51	0.09
7.87	18.4	0.22	1.20	42.1	6	98.7	0.38	0.38	0.00	1.62	7.0	11.4	1.44	0.09
8.04	17.7	0.22	1.25	37.8	6	98.7	0.39	0.39	0.00	1.60	6.8	10.8	1.38	0.09
8.20	15.8	0.20	1.27	34.7	6	98.7	0.40	0.40	0.00	1.58	6.1	9.6	1.23	0.09
8.37	15.9	0.22	1.39	36.0	6	98.7	0.41	0.41	0.00	1.57	6.1	9.5	1.24	0.09
8.53	16.3	0.21	1.29	37.9	6	98.7	0.42	0.42	0.00	1.55	6.2	9.7	1.27	0.09
8.69	17.0	0.25	1.48	32.9	6	98.7	0.42	0.42	0.00	1.54	6.5	10.0	1.32	0.09
8.86	17.8	0.31	1.75	26.5	6	98.7	0.43	0.43	0.00	1.52	6.8	10.4	1.39	0.10
9.02	17.1	0.32	1.87	31.5	6	98.7	0.44	0.44	0.00	1.51	6.6	9.9	1.34	0.10
9.19	20.3	0.29	1.43	27.1	6	98.7	0.45	0.45	0.00	1.50	7.8	11.6	1.59	0.10
9.35	23.8	0.36	1.52	21.5	6	98.7	0.46	0.46	0.00	1.48	9.1	13.5	1.87	0.10
9.51	20.6	0.37	1.80	12.0	6	98.7	0.46	0.46	0.00	1.47	7.9	11.6	1.61	0.10
9.68	18.5	0.36	1.95	16.6	6	98.7	0.47	0.47	0.00	1.46	7.1	10.3	1.45	0.11
9.84	26.5	0.24	0.91	18.9	7	98.7	0.48	0.48	0.00	1.44	8.5	12.2	UnDef	0.09
10.01	29.8	0.26	0.87	0.6	7	98.7	0.49	0.49	0.00	1.43	9.5	13.6	UnDef	0.10
10.17	31.6	0.30	0.95	-1.3	7	98.7	0.50	0.50	0.00	1.42	10.1	14.3	UnDef	0.10
10.33	33.2	0.40	1.21	-1.2	7	98.7	0.50	0.50	0.00	1.41	10.6	14.9	UnDef	0.11
10.50	33.8	0.48	1.42	-2.1	7	98.7	0.51	0.51	0.00	1.40	10.8	15.1	UnDef	0.11
10.66	31.9	0.46	1.44	-1.4	6	98.7	0.52	0.52	0.00	1.39	12.2	17.0	2.51	0.11
10.83	25.5	0.50	1.97	-1.6	6	98.7	0.53	0.53	0.00	1.38	9.8	13.4	2.00	0.11
10.99	18.9	0.41	2.17	-1.2	6	98.7	0.54	0.54	0.00	1.37	7.2	9.9	1.47	0.12
11.15	18.0	0.35	1.95	3.0	6	98.7	0.54	0.54	0.00	1.36	6.9	9.4	1.40	0.11
11.32	22.5	0.32	1.42	7.3	6	98.7	0.55	0.55	0.00	1.35	8.6	11.6	1.76	0.10
11.48	30.1	0.35	1.17	3.8	7	98.7	0.56	0.56	0.00	1.34	9.6	12.8	UnDef	0.10
11.65	32.2	0.34	1.06	-1.4	7	98.7	0.57	0.57	0.00	1.33	10.3	13.6	UnDef	0.10
81	36.8	0.32	0.87	-1.5	7	98.7	0.58	0.58	0.00	1.32	11.7	15.5	UnDef	0.10
.97	42.3	0.25	0.59	-1.3	7	98.7	0.58	0.58	0.00	1.31	13.5	17.7	UnDef	0.10
12.14	42.3	0.28	0.66	-1.2	7	98.7	0.59	0.59	0.00	1.30	13.5	17.5	UnDef	0.10
12.30	38.4	0.29	0.76	-1.4	7	98.7	0.60	0.60	0.00	1.29	12.3	15.8	UnDef	0.10
12.47	33.2	0.42	1.27	-1.4	7	98.7	0.61	0.61	0.00	1.28	10.6	13.6	UnDef	0.11
12.63	31.6	0.60	1.90	-1.2	6	98.7	0.62	0.62	0.00	1.27	12.1	15.4	2.48	0.12
12.80	30.5	0.72	2.36	-1.4	6	98.7	0.63	0.63	0.00	1.26	11.7	14.8	2.39	0.15
12.96	30.7	0.69	2.25	0.1	6	98.7	0.63	0.63	0.00	1.26	11.8	14.8	2.41	0.14
13.12	26.8	0.58	2.17	4.2	6	98.7	0.64	0.64	0.00	1.25	10.3	12.8	2.09	0.13
13.29	25.8	0.47	1.83	7.7	6	98.7	0.65	0.65	0.00	1.24	9.9	12.3	2.01	0.12
13.45	29.8	0.46	1.55	10.8	6	98.7	0.66	0.66	0.00	1.23	11.4	14.1	2.33	0.11
13.62	39.8	0.53	1.34	10.1	7	98.7	0.67	0.67	0.00	1.23	12.7	15.6	UnDef	0.12
13.78	41.8	0.75	1.80	-2.3	7	98.7	0.67	0.67	0.00	1.22	13.4	16.3	UnDef	0.14
13.94	35.3	0.75	2.13	0.0	6	98.7	0.68	0.68	0.00	1.21	13.5	16.4	2.77	0.14
14.11	29.0	0.72	2.49	-0.3	6	98.7	0.69	0.69	0.00	1.20	11.1	13.4	2.26	0.17
14.27	26.5	0.60	2.27	-0.2	6	98.7	0.70	0.70	0.00	1.20	10.2	12.2	2.07	0.15
14.44	32.6	0.58	1.78	-1.4	6	98.7	0.71	0.71	0.00	1.19	12.5	14.9	2.55	0.12
14.60	39.7	0.72	1.82	-2.1	6	98.7	0.71	0.71	0.00	1.18	15.2	18.0	3.12	0.13
14.76	35.4	0.78	2.21	-2.8	6	98.7	0.72	0.72	0.00	1.18	13.6	16.0	2.78	0.15
14.93	35.6	0.82	2.31	-2.3	6	98.7	0.73	0.73	0.00	1.17	13.6	15.9	2.79	0.16
15.09	36.6	0.85	2.33	-3.4	6	98.7	0.74	0.74	0.00	1.16	14.0	16.3	2.87	0.16
15.26	37.2	0.66	1.78	-0.7	6	98.7	0.75	0.75	0.00	1.16	14.2	16.5	2.91	0.13
15.42	42.5	0.42	0.99	0.0	7	98.7	0.75	0.75	0.00	1.15	13.6	15.6	UnDef	0.11
15.58	42.9	0.44	1.03	-1.4	7	98.7	0.76	0.76	0.00	1.14	13.7	15.7	UnDef	0.11
15.75	38.2	0.62	1.63	-1.4	7	98.7	0.77	0.77	0.00	1.14	12.2	13.9	UnDef	0.13
15.91	30.0	0.67	2.24	-0.9	6	98.7	0.78	0.78	0.00	1.13	11.5	13.0	2.34	0.16
16.08	26.6	0.64	2.41	1.6	6	98.7	0.79	0.79	0.00	1.13	10.2	11.5	2.07	0.20
16.24	25.8	0.41	1.59	3.2	6	98.7	0.80	0.80	0.00	1.12	9.9	11.1	2.00	0.12
16.40	23.7	0.37	1.57	5.5	6	98.7	0.80	0.80	0.00	1.12	9.1	10.1	1.83	0.12
16.57	23.5	0.34	1.45	7.8	6	98.7	0.81	0.81	0.00	1.11	9.0	10.0	1.81	0.11
16.73	24.5	0.35	1.43	11.2	6	98.7	0.82	0.82	0.00	1.10	9.4	10.4	1.90	0.11
.90	25.5	0.35	1.38	13.3	6	98.7	0.83	0.83	0.00	1.10	9.8	10.7	1.97	0.11
06	23.7	0.35	1.48	16.6	6	98.7	0.84	0.84	0.00	1.09	9.1	9.9	1.83	0.12
.22	25.6	0.34	1.33	18.7	6	98.7	0.84	0.84	0.00	1.09	9.8	10.7	1.98	0.11
17.39	27.9	0.39	1.40	20.7	6	98.7	0.85	0.85	0.00	1.08	10.7	11.6	2.16	0.11

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

pth (t)	AvgQt (tsf)	AvgFs (tsf)	AvgRf (%)	AvgUd (ft)	SBT	U.Wt. pcf	TStress (tsf)	EStress (tsf)	Ueq (tsf)	Cn	N60 (blows/ft)	(N1)60	Su (tsf)	CRR
17.55	28.1	0.40	1.42	20.7	6	98.7	0.86	0.86	0.00	1.08	10.8	11.6	2.18	0.11
17.72	29.9	0.44	1.47	22.9	6	98.7	0.87	0.87	0.00	1.07	11.5	12.3	2.33	0.12
17.88	30.8	0.50	1.63	7.6	6	98.7	0.88	0.88	0.00	1.07	11.8	12.6	2.40	0.12
18.04	31.5	0.52	1.65	10.3	6	98.7	0.88	0.88	0.00	1.06	12.1	12.9	2.45	0.13
18.21	32.1	0.47	1.47	13.5	6	98.7	0.89	0.89	0.00	1.06	12.3	13.0	2.50	0.12
18.37	35.4	0.39	1.10	10.9	7	98.7	0.90	0.90	0.00	1.05	11.3	11.9	UnDef	0.11
18.54	35.7	0.43	1.21	1.7	7	98.7	0.91	0.91	0.00	1.05	11.4	12.0	UnDef	0.11
18.70	27.9	0.39	1.40	0.0	6	98.7	0.92	0.92	0.00	1.04	10.7	11.2	2.16	0.12
18.86	25.9	0.43	1.66	3.7	6	98.7	0.92	0.92	0.00	1.04	9.9	10.3	2.00	0.14
19.03	28.3	0.46	1.63	3.4	6	98.7	0.93	0.93	0.00	1.04	10.8	11.2	2.19	0.13
19.19	26.7	0.45	1.69	12.6	6	98.7	0.94	0.94	0.00	1.03	10.2	10.5	2.06	0.14
19.36	24.6	0.49	1.99	20.7	6	98.7	0.95	0.95	0.00	1.03	9.4	9.7	1.89	0.22
19.52	24.0	0.38	1.59	27.4	6	98.7	0.96	0.96	0.00	1.02	9.2	9.4	1.84	0.15
19.68	21.4	0.30	1.40	31.5	6	98.7	0.97	0.97	0.00	1.02	8.2	8.4	1.64	0.14
19.85	21.6	0.24	1.12	35.7	6	98.7	0.97	0.97	0.00	1.01	8.3	8.4	1.65	0.11
20.01	27.1	0.33	1.22	40.7	6	98.7	0.98	0.98	0.00	1.01	10.4	10.5	2.09	0.11
20.18	28.5	0.36	1.27	0.7	6	98.7	0.99	0.99	0.00	1.01	10.9	11.0	2.20	0.11
20.34	24.6	0.33	1.34	2.5	6	98.7	1.00	1.00	0.00	1.00	9.4	9.4	1.89	0.12
20.51	20.7	0.24	1.16	7.3	6	98.7	1.01	1.01	0.00	1.00	7.9	7.9	1.57	0.12
20.67	20.8	0.27	1.30	10.6	6	98.7	1.01	1.01	0.00	0.99	8.0	7.9	1.58	0.14
20.83	20.4	0.25	1.23	14.2	6	98.7	1.02	1.02	0.00	0.99	7.8	7.7	1.55	0.13
21.00	22.0	0.32	1.46	19.3	6	98.7	1.03	1.03	0.00	0.99	8.4	8.3	1.68	0.17
21.16	31.3	0.41	1.31	23.7	7	98.7	1.04	1.04	0.00	0.98	10.0	9.8	UnDef	0.12
21.33	32.8	0.50	1.53	6.6	6	98.7	1.05	1.05	0.00	0.98	12.6	12.3	2.54	0.13
21.49	29.5	0.47	1.60	4.7	6	98.7	1.05	1.05	0.00	0.97	11.3	11.0	2.28	0.14
21.65	35.6	0.56	1.58	7.3	6	98.7	1.06	1.06	0.00	0.97	13.6	13.2	2.76	0.14
21.82	33.9	0.48	1.42	5.2	7	98.7	1.07	1.07	0.00	0.97	10.8	10.5	UnDef	0.13
21.98	26.7	0.57	2.14	8.1	6	98.7	1.08	1.08	0.00	0.96	10.2	9.9	2.05	0.27
22.15	27.5	0.38	1.39	9.6	6	98.7	1.09	1.09	0.00	0.96	10.5	10.1	2.11	0.13
.31	43.3	0.42	0.97	3.3	7	98.7	1.09	1.09	0.00	0.96	13.8	13.2	UnDef	0.11
.47	48.2	0.60	1.25	-0.7	7	98.7	1.10	1.10	0.00	0.95	15.4	14.6	UnDef	0.13
22.64	44.9	0.86	1.92	-0.2	6	98.7	1.11	1.11	0.00	0.95	17.2	16.3	3.50	0.17
22.80	46.3	1.04	2.25	-0.1	6	98.7	1.12	1.12	0.00	0.95	17.7	16.8	3.62	0.22
22.97	54.2	0.82	1.52	1.9	7	98.7	1.13	1.13	0.00	0.94	17.3	16.3	UnDef	0.15
23.13	70.8	0.67	0.95	-0.6	8	101.8	1.14	1.14	0.00	0.94	17.0	15.9	UnDef	0.14
23.29	69.8	0.55	0.79	-1.1	8	101.8	1.14	1.14	0.00	0.94	16.7	15.6	UnDef	0.13
23.46	67.4	0.74	1.10	-0.7	8	101.8	1.15	1.15	0.00	0.93	16.1	15.0	UnDef	0.15
23.62	55.7	1.11	2.00	-0.7	7	98.7	1.16	1.16	0.00	0.93	17.8	16.5	UnDef	0.20
23.79	41.1	1.25	3.05	-0.7	5	85.3	1.17	1.17	0.00	0.93	19.7	18.2	3.20	0.00
23.95	41.0	1.04	2.55	0.6	6	98.7	1.18	1.18	0.00	0.92	15.7	14.5	3.18	0.33
24.11	48.3	0.76	1.58	-0.1	7	98.7	1.18	1.18	0.00	0.92	15.4	14.2	UnDef	0.15
24.28	83.7	0.77	0.92	-0.7	8	101.8	1.19	1.19	0.00	0.92	20.0	18.4	UnDef	0.16
24.44	156.6	0.02	0.01	-1.2	9	101.8	1.20	1.20	0.00	0.91	30.0	27.4	UnDef	0.33
24.61	209.1	0.02	0.01	-1.1	10	127.3	1.21	1.21	0.00	0.91	33.4	30.3	UnDef	0.00

ConeTec Inc. - CPT Interpretation
Interpretation Output - Release 1.00.18
Run No: 99-0525-1349-5385
Job No: 99-315
Client: Stone & Webster Engineering
Project: Private Fuel Storage Facility
Site: CPT-39
Location: PFSF (05996.02)
Cone: 20 TON A 070
CPT Date: 99/29/04
CPT Time: 16:12
CPT File: 315CP39.COR
Northing (m): 0.000
Easting (m): 0.000
Elevation (m): 0.000

Water Table (m): 38.10 (ft): 125.0
Su Nkt used: 12.50
Averaging Increment (m): 0.0 (Every Data Point)
Phi Method : Robertson and Campanella, 1983
Dr Method : Jamiolkowski - All Sands
State Parameter M: 1.20
Used Unit Weights Assigned to Soil Zones
Values of 1.0E9 or UnDef are printed for parameters that are not valid for the material type (SBT)

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
0.16	1.7E-07	0.00	637.5	0.51	10	7.5	0.0	7.5	0.0	UnDef	UnDef	10.0	UnDef	0.0	3.7
0.33	1.7E-07	0.00	553.6	0.30	10	13.0	0.0	13.0	0.0	UnDef	UnDef	10.0	UnDef	0.0	6.5
0.49	5.0E-05	0.00	498.1	0.21	10	18.5	0.0	18.5	0.0	48	56.2	10.0	-0.19	0.0	7.4
0.66	5.0E-05	0.00	413.7	0.18	10	21.8	0.0	21.8	0.0	48	55.9	10.0	-0.16	0.0	8.7
0.82	5.0E-05	0.00	364.3	0.15	10	24.8	0.0	24.8	0.0	48	56.0	10.0	-0.14	0.0	9.9
0.98	5.0E-05	0.00	306.6	0.15	10	25.7	0.0	25.7	0.0	46	54.0	10.0	-0.12	0.0	10.3
1.15	5.0E-05	0.00	256.1	0.15	10	25.5	0.0	25.5	0.0	46	51.3	10.0	-0.11	0.0	10.2
1.31	5.0E-05	0.00	240.4	1.12	9	27.6	0.4	28.1	5.6	46	51.5	10.0	-0.28	0.1	11.2
.48	5.0E-05	0.00	359.5	2.01	9	46.9	3.6	50.4	7.6	48	64.9	10.0	-0.40	0.9	19.6
.64	5.0E-03	0.00	989.6	1.22	9	144.4	0.0	144.4	1.4	50	95.0	1.0	-0.43	0.0	36.1
1.80	5.0E-04	0.00	607.4	1.90	12	98.2	UnDef	UnDef	0.0	50	83.0	1.0	-0.45	UnDef	UnDef
1.97	5.0E-05	0.00	408.2	1.75	9	72.4	2.1	74.6	6.1	48	72.9	10.0	-0.39	0.5	29.5
2.13	5.0E-04	0.00	285.1	0.70	9	55.1	0.0	55.1	2.4	46	63.9	1.0	-0.25	0.0	18.4
2.30	5.0E-04	0.00	212.5	0.48	9	44.4	0.0	44.4	2.2	46	56.6	1.0	-0.19	0.0	14.8
2.46	5.0E-05	0.00	181.8	0.80	9	40.9	0.3	41.1	5.3	44	53.2	10.0	-0.22	0.1	16.4
2.62	5.0E-05	0.00	179.7	1.56	9	43.2	6.0	49.2	9.6	44	53.8	10.0	-0.29	1.4	18.7
2.79	5.0E-05	0.00	158.1	2.19	7	40.5	11.6	52.0	13.3	44	51.0	10.0	-0.33	2.6	18.8
2.95	5.0E-05	0.00	147.6	2.12	7	40.1	11.8	51.9	13.5	44	49.9	10.0	-0.32	2.7	18.7
3.12	5.0E-05	0.00	136.6	1.87	9	39.3	10.7	50.0	13.0	44	48.5	10.0	-0.29	2.4	18.1
3.28	5.0E-05	0.00	109.2	1.75	7	33.2	10.9	44.1	14.3	42	42.9	10.0	-0.26	2.4	15.7
3.44	5.0E-05	0.00	123.8	1.62	9	39.5	9.9	49.4	12.5	42	47.2	10.0	-0.26	2.3	18.1
3.61	5.0E-05	0.00	118.4	1.61	9	39.6	10.5	50.2	12.9	42	46.6	10.0	-0.25	2.4	18.3
3.77	5.0E-05	0.00	103.2	1.82	7	36.2	13.4	49.6	15.1	42	43.4	10.0	-0.25	2.9	17.4
3.94	5.0E-05	0.00	96.0	1.49	9	35.2	11.1	46.3	14.0	42	42.0	10.0	-0.22	2.5	16.6
4.10	5.0E-05	0.00	83.0	1.47	7	31.8	11.9	43.7	15.2	42	38.4	10.0	-0.21	2.6	15.3
4.27	5.0E-05	0.00	77.9	1.31	7	31.1	11.2	42.3	14.9	40	37.2	10.0	-0.19	2.5	14.9
4.43	5.0E-05	0.00	72.9	1.29	7	30.2	11.6	41.9	15.4	40	35.9	10.0	-0.18	2.5	14.6
4.59	5.0E-05	0.00	60.3	1.35	7	26.1	13.5	39.5	17.8	40	31.1	10.0	-0.17	2.8	13.2
4.76	5.0E-05	0.00	56.5	1.16	7	25.3	12.2	37.5	17.2	40	30.0	10.0	-0.15	2.6	12.7
4.92	5.0E-05	0.00	52.1	1.13	7	24.2	12.7	36.9	17.9	38	30.0	10.0	-0.14	2.7	12.4
5.09	5.0E-05	0.01	57.7	0.99	7	27.7	11.1	38.8	15.7	40	31.3	10.0	-0.13	2.4	13.5
5.25	5.0E-05	0.01	57.4	1.10	7	28.4	12.8	41.2	16.6	40	31.6	10.0	-0.14	2.7	14.0
5.41	5.0E-05	0.01	55.1	1.11	7	28.1	13.5	41.6	17.1	40	30.9	10.0	-0.14	2.8	13.8
5.58	5.0E-05	0.02	45.2	1.39	7	23.5	18.4	41.9	21.4	38	30.0	6.0	-0.14	3.5	12.7
5.74	5.0E-06	0.02	45.5	1.90	7	24.0	26.0	50.0	24.5	UnDef	UnDef	6.0	UnDef	5.7	17.4
5.91	5.0E-05	0.02	50.4	1.74	7	26.9	23.0	49.9	22.3	38	30.0	10.0	-0.17	4.3	14.8
6.07	5.0E-05	0.04	52.2	1.70	7	28.2	22.4	50.7	21.6	38	31.0	10.0	-0.17	4.2	15.3
6.23	5.0E-05	0.04	50.6	1.58	7	27.7	21.2	48.9	21.2	38	30.5	10.0	-0.16	4.0	14.9
6.40	5.0E-05	0.06	49.2	1.58	7	27.3	21.7	49.1	21.6	38	30.1	6.0	-0.16	4.1	14.8
6.56	5.0E-05	0.06	50.3	1.50	7	28.3	20.8	49.1	20.8	38	31.1	10.0	-0.15	4.0	15.1
73	5.0E-05	0.07	54.8	1.46	7	31.2	19.8	51.0	19.6	40	33.9	10.0	-0.16	3.9	16.1
.89	5.0E-05	0.08	47.8	1.51	7	27.6	21.7	49.3	21.5	38	30.4	6.0	-0.15	4.1	14.9

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
7.05	5.0E-05	0.09	45.7	1.54	7	26.7	22.8	49.6	22.2	38	30.0	6.0	-0.14	4.2	14.7
7.22	5.0E-05	0.09	45.0	1.33	7	26.7	20.1	46.7	21.1	38	30.0	6.0	-0.13	3.8	14.3
7.38	5.0E-05	0.09	51.4	1.31	7	30.7	19.0	49.6	19.3	38	33.4	10.0	-0.14	3.8	15.8
7.55	5.0E-05	0.08	50.0	1.31	7	30.2	19.5	49.7	19.7	38	32.9	6.0	-0.14	3.8	15.7
7.71	5.0E-05	0.07	50.4	1.28	7	30.8	19.0	49.8	19.3	38	33.5	10.0	-0.14	3.8	15.8
7.87	5.0E-05	0.07	47.1	1.22	7	29.1	18.9	48.0	19.8	38	31.9	6.0	-0.13	3.7	15.1
8.04	5.0E-05	0.07	44.2	1.28	7	27.7	20.4	48.1	20.9	38	30.5	6.0	-0.12	3.9	14.7
8.20	5.0E-05	0.07	38.6	1.30	7	24.5	22.2	46.7	22.8	38	30.0	6.0	-0.11	4.1	13.7
8.37	5.0E-05	0.07	38.0	1.42	7	24.4	24.8	49.2	23.9	38	30.0	6.0	-0.12	4.4	13.9
8.53	5.0E-05	0.07	38.2	1.33	7	24.7	23.2	48.0	23.1	38	30.0	6.0	-0.11	4.2	13.9
8.69	5.0E-05	0.06	39.1	1.52	7	25.5	26.7	52.2	24.1	38	30.0	6.0	-0.13	4.7	14.7
8.86	5.0E-05	0.05	40.2	1.79	7	26.5	32.0	58.5	25.5	38	30.0	6.0	-0.15	5.4	15.8
9.02	5.0E-05	0.06	38.0	1.92	7	25.3	36.2	61.5	27.0	38	30.0	6.0	-0.15	5.8	15.7
9.19	5.0E-05	0.04	44.4	1.46	7	29.7	25.0	54.8	22.1	38	32.5	6.0	-0.14	4.7	16.3
9.35	5.0E-05	0.03	51.2	1.55	7	34.5	25.4	59.9	20.9	38	36.8	10.0	-0.16	4.9	18.4
9.51	5.0E-05	0.02	43.5	1.84	7	29.6	33.0	62.6	24.7	38	32.4	6.0	-0.16	5.7	17.3
9.68	5.0E-05	0.03	38.3	2.00	7	26.4	39.1	65.6	27.4	38	30.0	6.0	-0.16	6.2	16.5
9.84	5.0E-04	0.02	54.2	0.93	7	37.4	15.3	52.7	15.9	40	39.1	1.0	-0.12	2.7	14.9
10.01	5.0E-04	0.00	60.2	0.89	9	41.8	14.2	56.0	14.5	40	42.3	1.0	-0.13	2.6	16.2
10.17	5.0E-04	0.00	62.6	0.97	9	43.8	15.3	59.2	14.7	40	43.6	1.0	-0.14	2.8	17.1
10.33	5.0E-04	0.00	64.9	1.23	7	45.8	19.5	65.2	16.2	40	44.9	1.0	-0.17	3.4	18.4
10.50	5.0E-04	0.00	65.0	1.45	7	46.2	23.4	69.6	17.6	40	45.1	1.0	-0.18	4.0	19.1
10.66	5.0E-05	0.00	60.4	1.47	7	43.3	24.4	67.8	18.5	40	43.3	10.0	-0.18	4.9	21.9
10.83	5.0E-05	0.00	47.2	2.01	7	34.3	37.6	72.0	24.6	38	36.6	6.0	-0.18	6.5	20.0
10.99	5.0E-05	0.00	34.2	2.24	7	25.3	52.8	78.0	30.3	36	30.0	6.0	-0.16	7.2	17.1
11.15	5.0E-05	0.01	32.1	2.01	7	23.9	48.0	71.9	30.0	36	30.0	6.0	-0.14	6.7	16.1
11.32	5.0E-05	0.01	39.8	1.46	7	29.6	29.1	58.7	23.5	38	32.4	6.0	-0.13	5.2	16.8
11.48	5.0E-04	0.00	52.7	1.19	7	39.4	21.4	60.7	18.2	38	40.5	1.0	-0.14	3.6	16.5
11.65	5.0E-04	0.00	55.6	1.08	7	41.8	19.2	60.9	16.8	40	42.3	1.0	-0.14	3.3	17.0
81	5.0E-04	0.00	62.8	0.89	9	47.4	15.1	62.5	14.0	40	45.9	1.0	-0.13	2.7	18.2
.97	5.0E-04	0.00	71.4	0.60	9	54.2	9.1	63.3	10.4	40	49.7	1.0	-0.11	1.7	19.4
12.14	5.0E-04	0.00	70.3	0.67	9	53.7	10.6	64.4	11.2	40	49.5	1.0	-0.12	2.0	19.5
12.30	5.0E-04	0.00	62.9	0.77	9	48.5	13.3	61.8	13.1	40	46.5	1.0	-0.12	2.5	18.3
12.47	5.0E-04	0.00	53.5	1.29	7	41.6	24.1	65.7	18.7	40	42.2	1.0	-0.15	4.0	17.6
12.63	5.0E-05	0.00	50.2	1.94	7	39.4	38.2	77.6	23.4	38	40.6	10.0	-0.19	6.9	22.3
12.80	5.0E-05	0.00	47.8	2.41	7	37.8	51.1	88.9	26.5	38	39.4	6.0	-0.21	8.3	23.1
12.96	5.0E-05	0.00	47.5	2.30	7	37.8	48.5	86.2	26.0	38	39.4	6.0	-0.20	8.0	22.8
13.12	5.0E-05	0.00	40.7	2.22	7	32.7	50.6	83.3	27.7	38	35.3	6.0	-0.18	7.8	20.7
13.29	5.0E-05	0.01	38.7	1.87	7	31.3	42.3	73.6	26.5	38	34.0	6.0	-0.15	6.9	19.1
13.45	5.0E-05	0.01	44.3	1.58	7	36.0	33.0	68.9	22.9	38	38.0	6.0	-0.15	6.0	20.1
13.62	5.0E-04	0.01	58.7	1.36	7	47.7	25.7	73.4	18.1	40	46.1	1.0	-0.16	4.4	19.9
13.78	5.0E-04	0.00	61.1	1.83	7	49.9	35.1	85.0	20.5	40	47.3	1.0	-0.20	5.7	21.9
13.94	5.0E-05	0.00	50.8	2.17	7	41.9	45.6	87.4	24.5	38	42.3	10.0	-0.20	7.9	24.3
14.11	5.0E-05	0.00	41.0	2.55	7	34.2	63.1	97.3	29.3	38	36.5	6.0	-0.20	9.1	22.5
14.27	5.0E-05	0.00	37.0	2.33	7	31.1	60.0	91.1	29.7	38	33.8	6.0	-0.17	8.5	20.7
14.44	5.0E-05	0.00	45.2	1.82	7	38.0	39.6	77.6	24.1	38	39.5	6.0	-0.17	7.0	21.8
14.60	5.0E-05	0.00	54.5	1.85	7	45.9	38.0	83.9	22.0	40	45.0	10.0	-0.19	7.1	25.1
14.76	5.0E-05	0.00	48.1	2.25	7	40.8	50.2	91.0	25.7	38	41.6	6.0	-0.20	8.4	24.4
14.93	5.0E-05	0.00	47.7	2.36	7	40.7	53.7	94.4	26.3	38	41.5	6.0	-0.21	8.8	24.7
15.09	5.0E-05	0.00	48.5	2.38	7	41.7	54.1	95.7	26.2	38	42.2	6.0	-0.21	8.9	25.2
15.26	5.0E-05	0.00	48.8	1.82	7	42.1	39.4	81.5	23.1	38	42.5	6.0	-0.18	7.1	23.6
15.42	5.0E-04	0.00	55.3	1.01	7	47.8	20.8	68.6	16.3	40	46.1	1.0	-0.13	3.6	19.3
15.58	5.0E-04	0.00	55.2	1.05	7	48.1	21.6	69.7	16.6	40	46.3	1.0	-0.14	3.8	19.5
15.75	5.0E-04	0.00	48.5	1.66	7	42.6	36.4	78.9	22.3	38	42.8	1.0	-0.17	5.6	19.5
15.91	5.0E-05	0.00	37.5	2.30	7	33.3	61.5	94.7	29.3	38	35.7	6.0	-0.17	8.9	21.9
16.08	5.0E-05	0.00	32.8	2.48	6	29.4	78.5	107.9	32.2	36	32.2	6.0	-0.17	9.6	21.1
16.24	5.0E-05	0.00	31.5	1.64	7	28.3	45.3	73.6	28.0	36	31.1	6.0	-0.12	6.9	18.0
16.40	5.0E-05	0.01	28.5	1.62	7	25.8	48.5	74.3	29.4	36	30.0	6.0	-0.11	7.0	17.1
16.57	5.0E-05	0.01	27.9	1.50	7	25.5	44.9	70.5	28.9	36	30.0	6.0	-0.10	6.6	16.6
16.73	5.0E-05	0.01	28.9	1.48	7	26.5	43.2	69.7	28.2	36	30.0	6.0	-0.10	6.6	16.9
.90	5.0E-05	0.02	29.8	1.42	7	27.4	40.5	68.0	27.3	36	30.2	6.0	-0.10	6.4	17.1
06	5.0E-05	0.02	27.4	1.53	7	25.4	47.6	72.9	29.4	36	30.0	6.0	-0.10	6.8	16.8
.22	5.0E-05	0.02	29.4	1.37	7	27.3	39.7	67.1	27.2	36	30.1	6.0	-0.09	6.3	17.0
17.39	5.0E-05	0.02	31.7	1.45	7	29.6	40.2	69.8	26.6	36	32.3	6.0	-0.11	6.5	18.1

ConeTec Inc. - CPT Interpretation
Run No: 99-0525-1349-5385
CPT File: 315CP39.COR

Depth (ft)	k (cm/s)	Bq	Qtn	Rfn	SBTn	Qc1N	DeltaQc1N	Qc1Ncs	Fc (%)	Phi (Deg)	Dr (%)	OCR	State Param	Del(n1)60	(N1)60cs
17.55	5.0E-05	0.02	31.7	1.47	7	29.7	41.1	70.8	26.7	36	32.5	6.0	-0.11	6.6	18.3
17.72	5.0E-05	0.02	33.5	1.52	7	31.4	41.4	72.9	26.3	36	34.1	6.0	-0.12	6.8	19.1
17.88	5.0E-05	0.01	34.2	1.67	7	32.2	46.0	78.3	27.0	36	34.8	6.0	-0.13	7.3	20.0
18.04	5.0E-05	0.01	34.7	1.70	7	32.8	46.7	79.6	27.0	36	35.3	6.0	-0.13	7.5	20.3
18.21	5.0E-05	0.01	35.0	1.51	7	33.3	40.7	74.0	25.6	38	35.7	6.0	-0.12	6.8	19.9
18.37	5.0E-04	0.01	38.3	1.13	7	36.5	29.2	65.8	21.6	38	38.4	1.0	-0.11	4.6	16.5
18.54	5.0E-04	0.00	38.3	1.24	7	36.7	32.0	68.7	22.5	38	38.5	1.0	-0.11	4.9	16.9
18.70	5.0E-05	0.00	29.5	1.45	7	28.5	43.9	72.4	27.7	36	31.3	6.0	-0.10	6.8	18.0
18.86	5.0E-05	0.00	27.0	1.73	7	26.3	59.4	85.8	30.9	36	30.0	6.0	-0.11	7.9	18.2
19.03	5.0E-05	0.00	29.3	1.68	7	28.7	53.4	82.1	29.4	36	31.5	6.0	-0.11	7.7	18.9
19.19	5.0E-05	0.02	27.4	1.75	7	26.9	60.3	87.3	30.9	36	30.0	6.0	-0.11	8.0	18.6
19.36	5.0E-05	0.03	24.9	2.07	6	24.7	90.6	115.3	34.4	34	30.0	6.0	-0.11	9.4	19.0
19.52	5.0E-05	0.04	24.0	1.66	7	24.0	65.0	88.9	32.4	34	30.0	6.0	-0.09	7.9	17.3
19.68	5.0E-05	0.05	21.2	1.47	7	21.3	64.5	85.8	33.1	34	30.0	6.0	-0.07	7.4	15.8
19.85	5.0E-05	0.05	21.2	1.17	7	21.4	47.0	68.4	30.7	34	30.0	6.0	-0.05	6.3	14.7
20.01	5.0E-05	0.05	26.6	1.27	7	26.8	42.1	68.8	27.9	36	30.0	6.0	-0.08	6.5	17.0
20.18	5.0E-05	0.00	27.8	1.31	7	28.0	42.5	70.5	27.6	36	30.8	6.0	-0.09	6.6	17.6
20.34	5.0E-05	0.00	23.7	1.40	7	24.1	53.2	77.3	30.8	34	30.0	6.0	-0.08	7.1	16.6
20.51	5.0E-05	0.01	19.5	1.22	7	20.2	56.2	76.3	32.6	32	30.0	6.0	-0.05	6.7	14.6
20.67	5.0E-05	0.02	19.5	1.37	6	20.2	66.9	87.1	33.8	32	30.0	6.0	-0.05	7.3	15.2
20.83	5.0E-05	0.02	19.0	1.29	7	19.8	64.0	83.8	33.6	32	30.0	6.0	-0.05	7.1	14.8
21.00	5.0E-05	0.03	20.4	1.53	6	21.2	75.9	97.1	34.3	34	30.0	6.0	-0.07	7.9	16.2
21.16	5.0E-04	0.02	29.2	1.36	7	30.1	43.6	73.7	27.2	36	32.9	1.0	-0.09	5.8	15.6
21.33	5.0E-05	0.01	30.4	1.58	7	31.4	50.8	82.2	28.2	36	34.1	6.0	-0.11	7.7	20.0
21.49	5.0E-05	0.01	27.0	1.65	7	28.1	59.7	87.9	30.5	36	30.9	6.0	-0.10	8.2	19.2
21.65	5.0E-05	0.01	32.5	1.62	7	33.8	50.5	84.3	27.4	36	36.2	6.0	-0.12	7.9	21.2
21.82	5.0E-04	0.00	30.7	1.47	7	32.1	46.8	78.9	27.2	36	34.7	1.0	-0.11	6.2	16.6
21.98	5.0E-05	0.01	23.8	2.23	6	25.2	100.8	126.0	36.1	34	30.0	6.0	-0.12	9.9	19.7
22.15	5.0E-05	0.01	24.3	1.44	7	25.8	56.3	82.1	30.7	34	30.0	6.0	-0.08	7.6	17.7
22.31	5.0E-04	0.00	38.5	1.00	7	40.5	28.6	69.1	20.5	38	41.3	1.0	-0.10	4.6	17.8
22.47	5.0E-04	0.00	42.7	1.28	7	44.9	34.8	79.7	21.4	38	44.3	1.0	-0.13	5.5	20.1
22.64	5.0E-05	0.00	39.4	1.97	7	41.7	58.1	99.7	26.8	38	42.2	6.0	-0.16	9.3	25.7
22.80	5.0E-05	0.00	40.4	2.31	7	42.8	70.5	113.4	28.3	38	43.0	6.0	-0.18	10.7	27.5
22.97	5.0E-04	0.00	47.1	1.55	7	50.0	41.2	91.2	21.9	38	47.4	1.0	-0.16	6.4	22.7
23.13	5.0E-03	0.00	61.4	0.96	9	65.1	23.3	88.3	14.9	40	55.0	1.0	-0.14	3.1	19.1
23.29	5.0E-03	0.00	60.0	0.80	9	63.8	19.7	83.5	13.8	40	54.4	1.0	-0.12	2.7	18.3
23.46	5.0E-03	0.00	57.5	1.12	7	61.4	28.0	89.4	16.7	40	53.3	1.0	-0.15	3.7	18.7
23.62	5.0E-04	0.00	47.0	2.04	7	50.6	56.9	107.6	24.8	38	47.8	1.0	-0.18	8.2	24.7
23.79	5.0E-06	0.00	34.2	3.14	6	37.3	143.3	180.5	34.7	UnDef	UnDef	6.0	UnDef	18.0	36.2
23.95	5.0E-05	0.00	33.8	2.62	6	37.0	102.0	139.0	32.5	36	38.7	6.0	-0.18	12.3	26.8
24.11	5.0E-04	0.00	39.8	1.62	7	43.4	47.4	90.9	24.6	38	43.4	1.0	-0.14	6.9	21.0
24.28	5.0E-03	0.00	69.2	0.94	9	75.0	21.9	96.9	13.5	40	59.0	1.0	-0.15	3.0	21.4
24.44	5.0E-02	0.00	129.5	0.01	10	139.9	0.0	139.9	3.0	44	76.9	1.0	0.15	0.0	27.4
24.61	5.0E+00	0.00	171.9	0.01	10	186.0	0.0	186.0	2.4	44	85.1	1.0	0.15	0.0	30.3