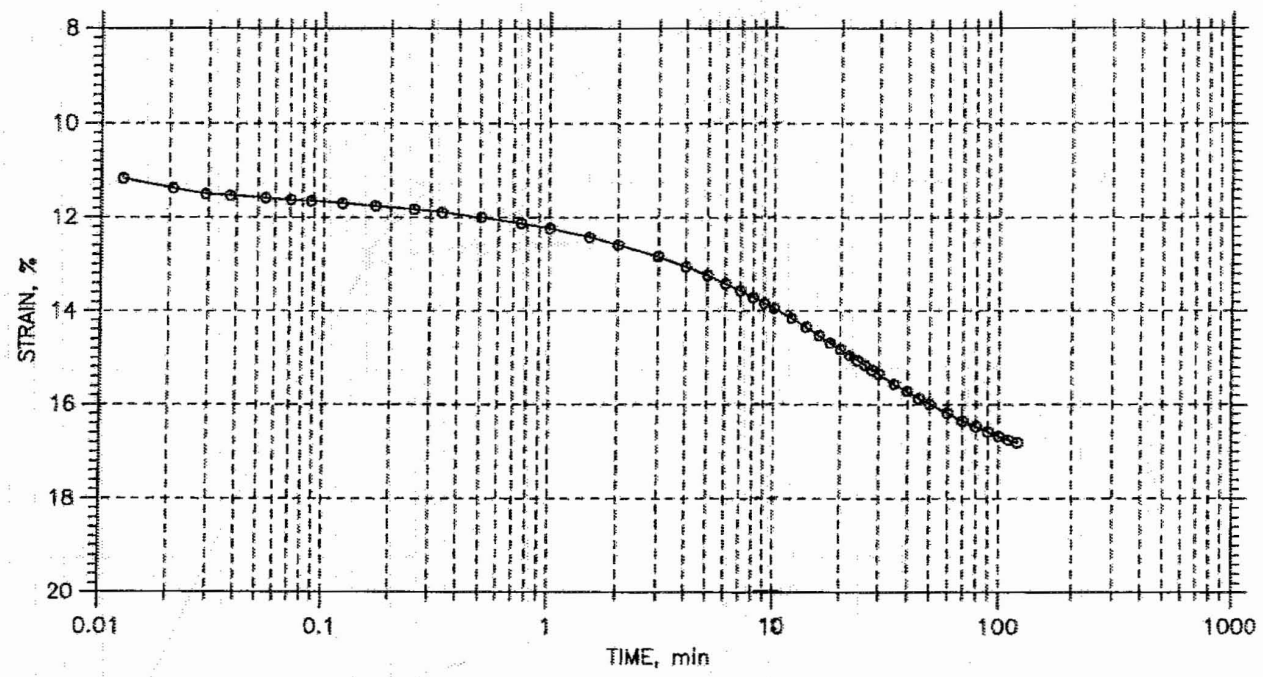
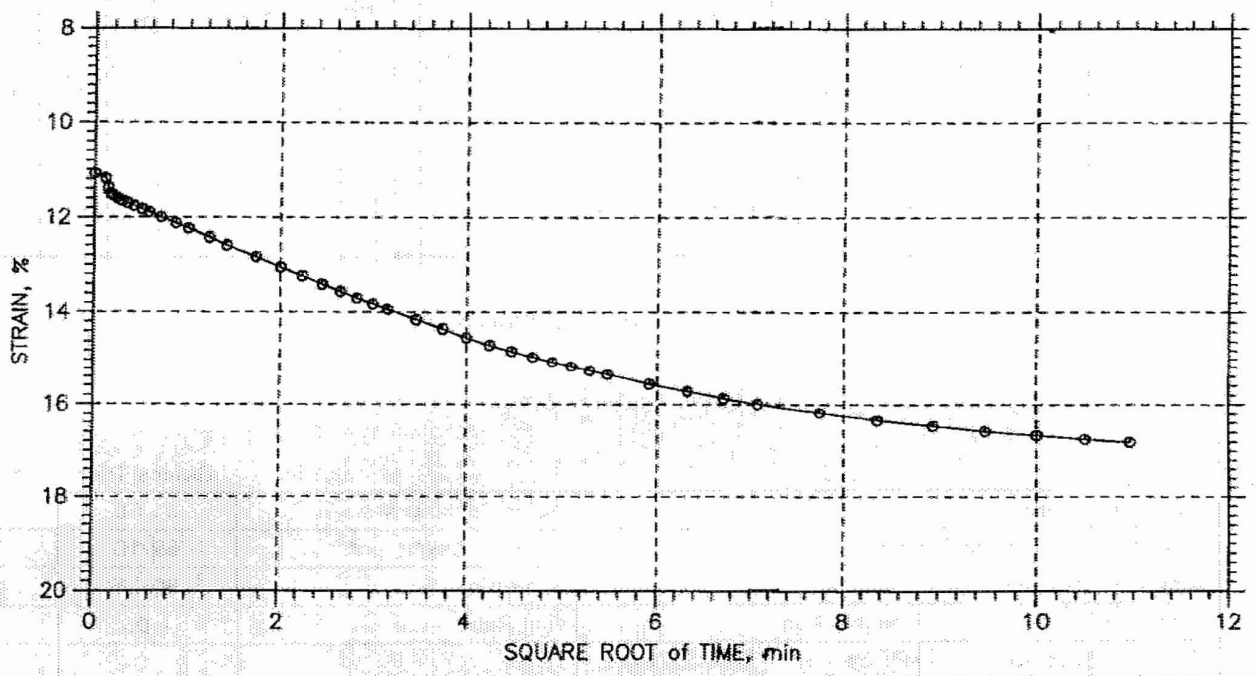
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

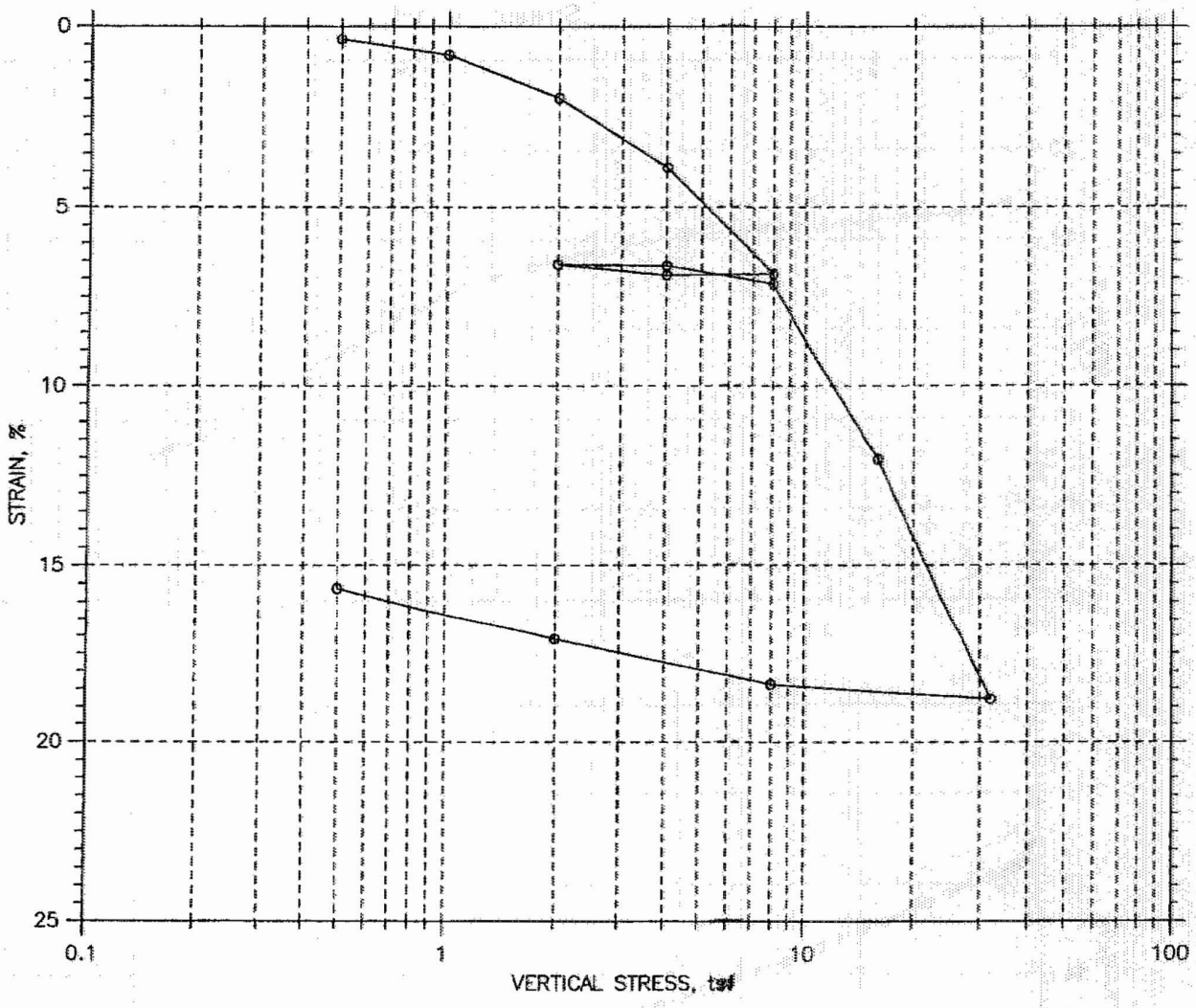




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County	Project No.: GTX-6880
	Boring No.: B-334	Tested By: md	Checked By: jdt
	Sample No.: S-8	Test Date: 09/11/2006	Depth: 23-25
	Test No.: C-9	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay with sand (CH),79% passing #200 sieve,inundated@0.5 tsf		
	Remarks: System T - Compression Ratio: 0.22 , Recompression Ratio: 0.02		

Thu, 09-NOV-2006 16:24:59

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	31.56	27.21
Preconsolidation Pressure: 5.4 tsf				Dry Unit Weight, pcf	82.16	97.38
Compression Index: ---				Saturation, %	80.76	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.06	0.74
LL: 47	PL: 13	PI: 34	GS: 2.71			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-334	Tested By: md	Checked By: jdt
	Sample No.: S-10	Test Date: 09/11/2006	Depth: 33-34.7
	Test No.: C-10	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CL), 95% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.20, Recompressioin Ratio: 0.02		

Thu, 09-NOV-2006 16:27:27

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-334	Tested By: md	Checked By: jdt
Sample No.: S-10	Test Date: 09/11/2006	Depth: 33-34.7
Test No.: C-10	Sample Type: tube	Elevation: ---

Soil Description: Moist, dark greenish gray clay (CL), 95% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System S - Compression Ratio: 0.20, Recompressioin Ratio: 0.02

Measured Specific Gravity: 2.71	Liquid Limit: 47	Initial Height: 1.00 in
Initial Void Ratio: 1.06	Plastic Limit: 13	Specimen Diameter: 2.50 in
Final Void Ratio: 0.74	Plasticity Index: 34	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	Island	RING		1492
Wt. Container + Wet Soil, gm	291.7	355.84	351.23	143.68
Wt. Container + Dry Soil, gm	222.11	322.42	322.42	114.78
Wt. Container, gm	8.98	216.56	216.56	8.57
Wt. Dry Soil, gm	213.13	105.86	105.86	106.21
Water Content, %	32.65	31.56	27.21	27.21
Void Ratio	---	1.06	0.74	---
Degree of Saturation, %	---	80.76	100.00	---
Dry Unit Weight, pcf	---	82.159	97.375	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-334
Sample No.: S-10
Test No.: C-10

Location: Calvert County, MD
Tested By: md
Test Date: 09/11/2006
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 33-34.7
Elevation: ---

Soil Description: Moist, dark greenish gray clay (CL), 95% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System S - Compression Ratio: 0.20, Recompressioin Ratio: 0.02

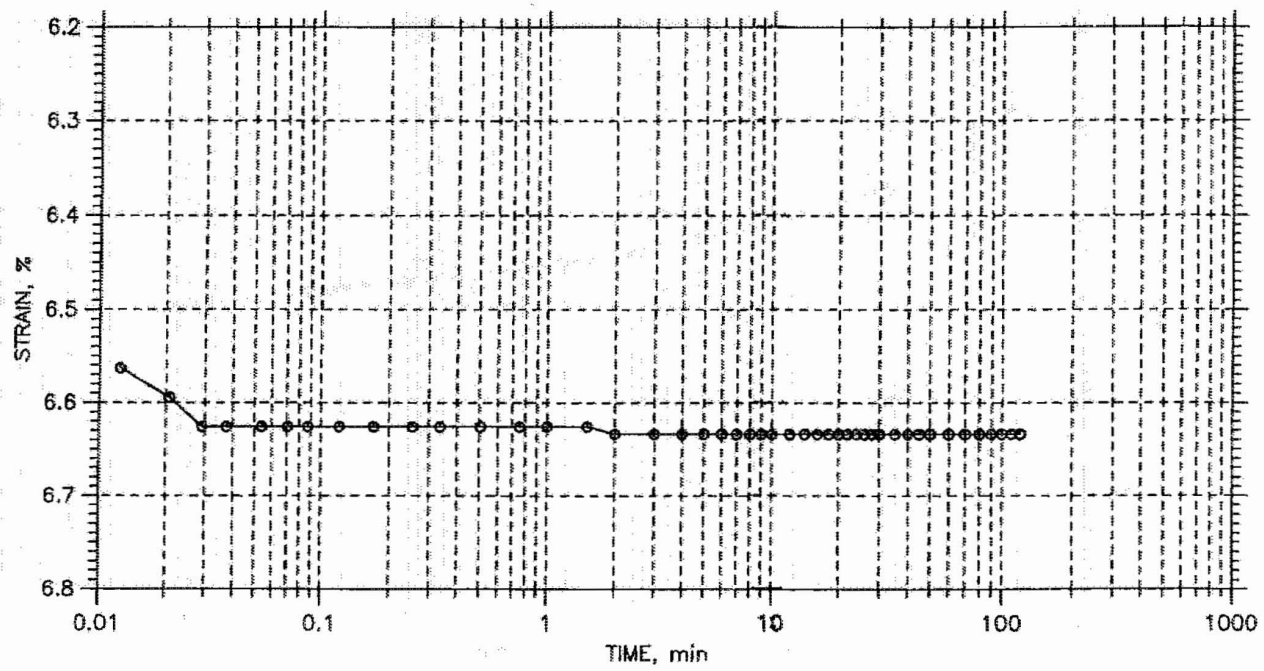
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.00346	1.052	0.35	0.0	0.0	1.73e-002	0.00e+000	1.73e-002
2	1	0.007832	1.043	0.78	0.1	0.0	1.28e-002	1.71e-002	1.46e-002
3	2	0.01972	1.019	1.97	0.1	0.0	1.47e-002	1.60e-002	1.53e-002
4	4	0.0389	0.979	3.89	0.1	0.1	1.24e-002	1.55e-002	1.38e-002
5	8	0.06862	0.918	6.86	0.1	0.0	1.30e-002	1.60e-002	1.43e-002
6	4	0.06902	0.917	6.90	0.0	0.0	4.85e-002	0.00e+000	4.85e-002
7	2	0.06598	0.923	6.60	0.0	0.0	3.45e-002	0.00e+000	3.45e-002
8	4	0.06634	0.923	6.63	0.0	0.0	4.82e-002	0.00e+000	4.82e-002
9	8	0.07153	0.912	7.15	0.1	0.0	8.07e-003	0.00e+000	8.07e-003
10	16	0.1204	0.811	12.04	0.1	0.1	7.31e-003	1.23e-002	9.16e-003
11	32	0.1878	0.672	18.78	0.6	0.2	9.69e-004	2.50e-003	1.40e-003
12	8	0.1837	0.681	18.37	0.0	0.0	1.67e-002	1.92e-002	1.79e-002
13	2	0.1709	0.707	17.09	0.4	0.0	1.31e-003	0.00e+000	1.31e-003
14	0.5	0.1563	0.737	15.63	2.7	0.0	2.13e-004	0.00e+000	2.13e-004

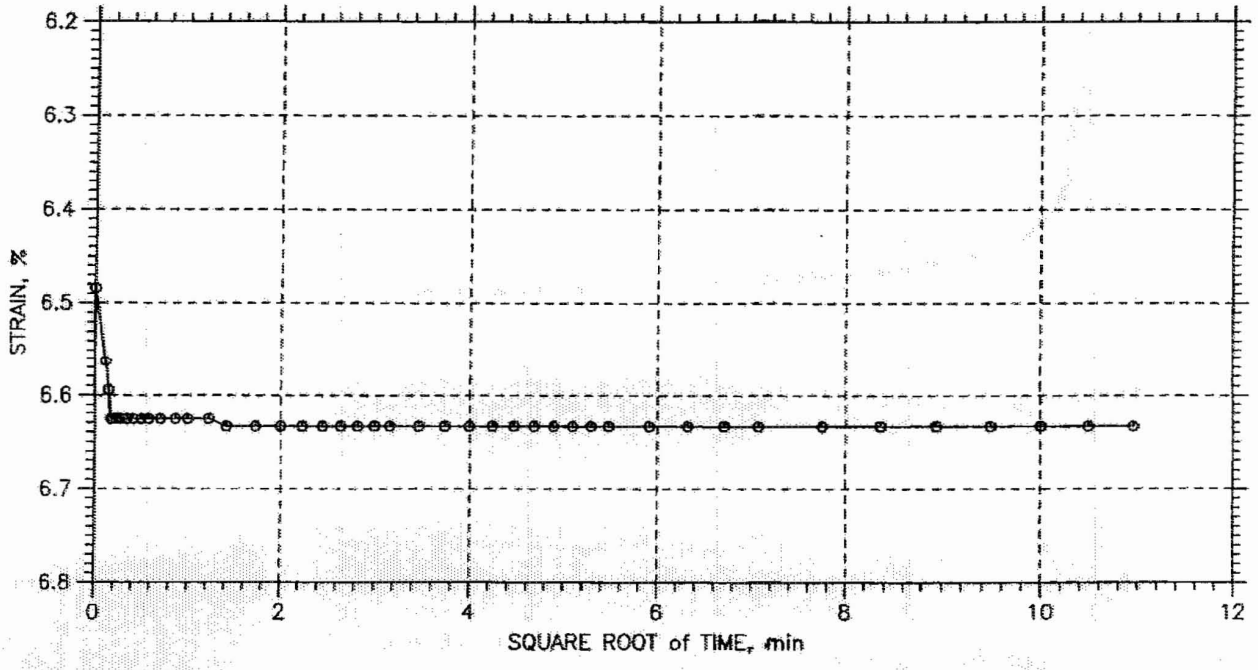
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-334	Tested By: md	Checked By: jdt
	Sample No.: S-10	Test Date: 09/11/2006	Depth: 33-34.7
	Test No.: C-10	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CL), 95% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.20, Recompressioin Ratio: 0.02		

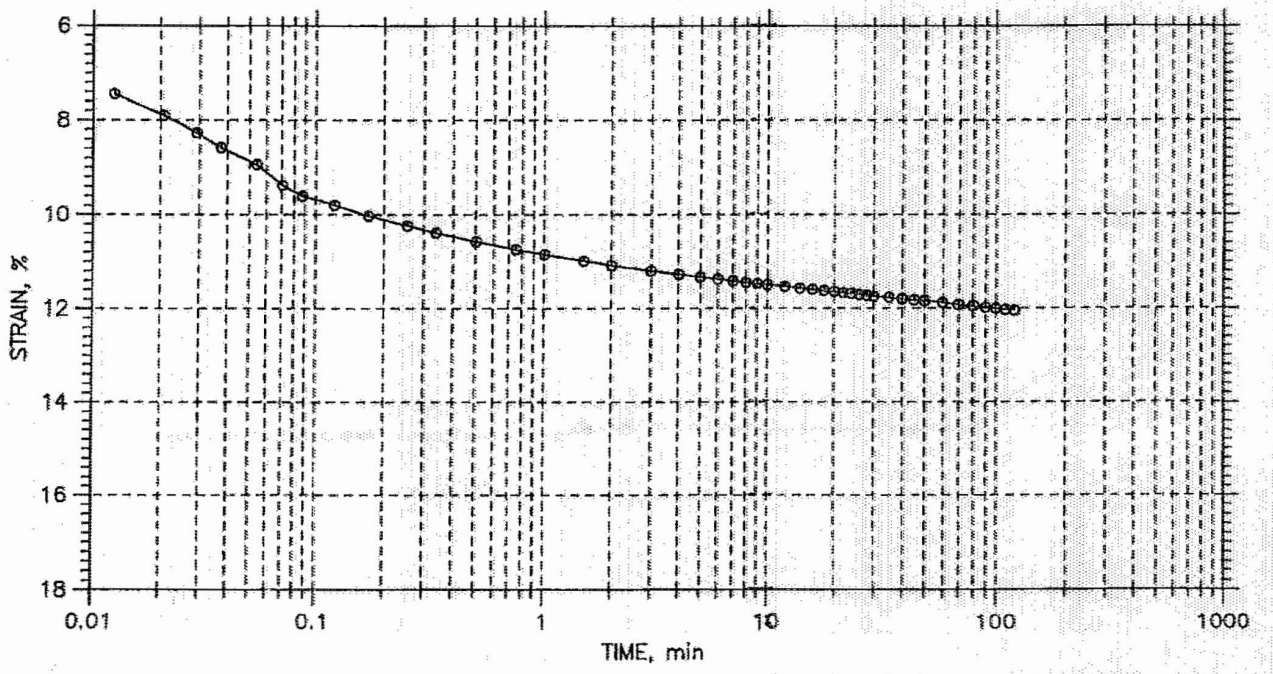
Thu, 09-NOV-2006 16:28:05

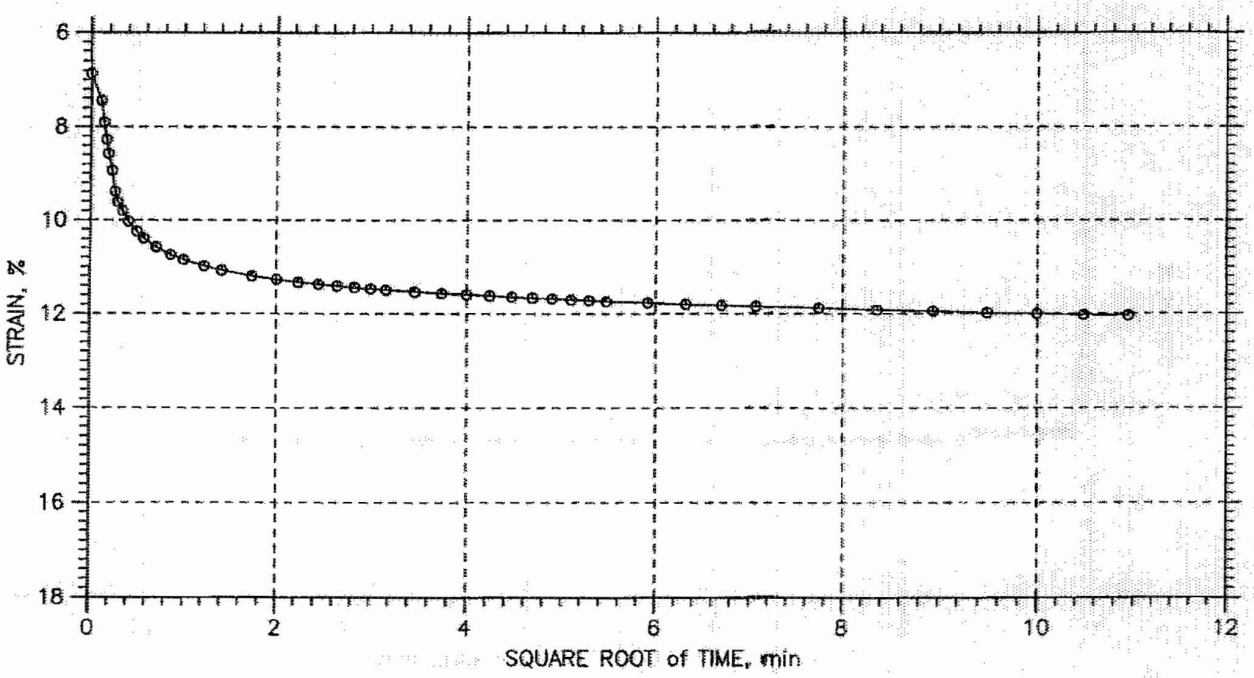
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf



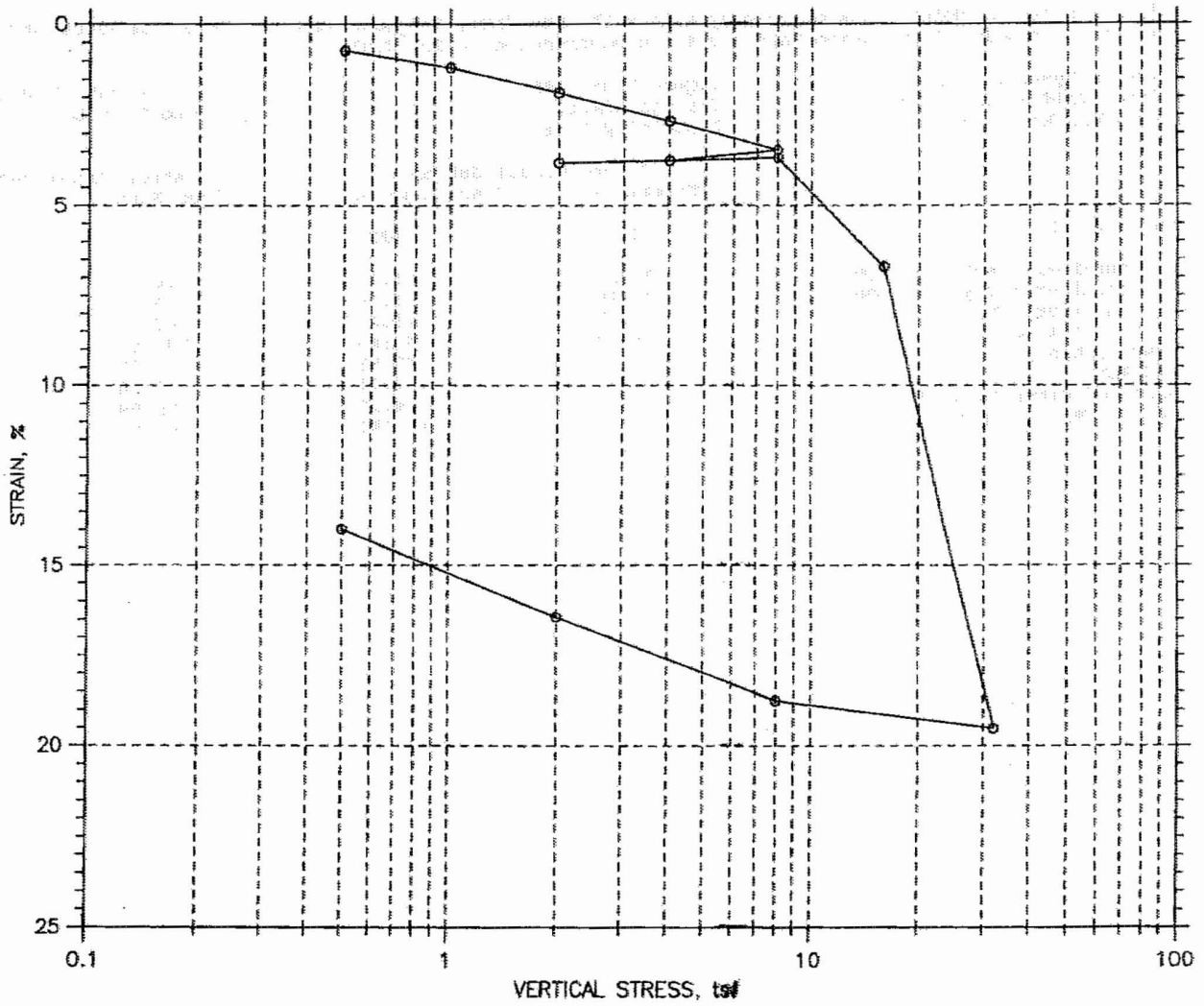


GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-334	Tested By: md	Checked By: jdt
	Sample No.: S-10	Test Date: 09/11/2006	Depth: 33-34.7
	Test No.: C-10	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CL), 95% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.20, Recompressioin Ratio: 0.02		

Thu, 09-NOV-2006 16:28:15

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	61.95	51.21
Preconsolidation Pressure: 13 tsf				Dry Unit Weight, pcf	60.37	70.18
Compression Index: ---				Saturation, %	94.32	99.99
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.74	1.36
LL: 85	PL: 54	PI: 31	GS: 2.65			

GeoTesting express, a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-28	Test Date: 09/14/06	Depth: 123.5-124.8
	Test No.: C-13	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silt with sand (MH), 82% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.43, Recompression Ratio: 0.03		

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CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-401	Tested By: md	Checked By: jdt
Sample No.: S-28	Test Date: 09/14/06	Depth: 123.5-124.8
Test No.: C-13	Sample Type: tube	Elevation: ---

Soil Description: Moist, dark olive gray silt with sand (MH), 82% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.43, Recompression Ratio: 0.03

Measured Specific Gravity: 2.65	Liquid Limit: 85	Initial Height: 1.00 in
Initial Void Ratio: 1.74	Plastic Limit: 54	Specimen Diameter: 2.50 in
Final Void Ratio: 1.36	Plasticity Index: 31	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1135	RING		1031
Wt. Container + Wet Soil, gm	219.52	235.24	226.89	128.2
Wt. Container + Dry Soil, gm	144.15	187.06	187.06	87.62
Wt. Container, gm	8.17	109.27	109.27	8.38
Wt. Dry Soil, gm	135.98	77.785	77.785	79.24
Water Content, %	55.43	61.95	51.21	51.21
Void Ratio	---	1.74	1.36	---
Degree of Saturation, %	---	94.32	99.99	---
Dry Unit Weight, pcf	---	60.358	70.182	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-401
Sample No.: S-28
Test No.: C-13

Location: Calvert County, MD
Tested By: md
Test Date: 09/14/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 123.5-124.8
Elevation: ---

Soil Description: Moist, dark olive gray silt with sand (MH), 82% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.43, Recompression Ratio: 0.03

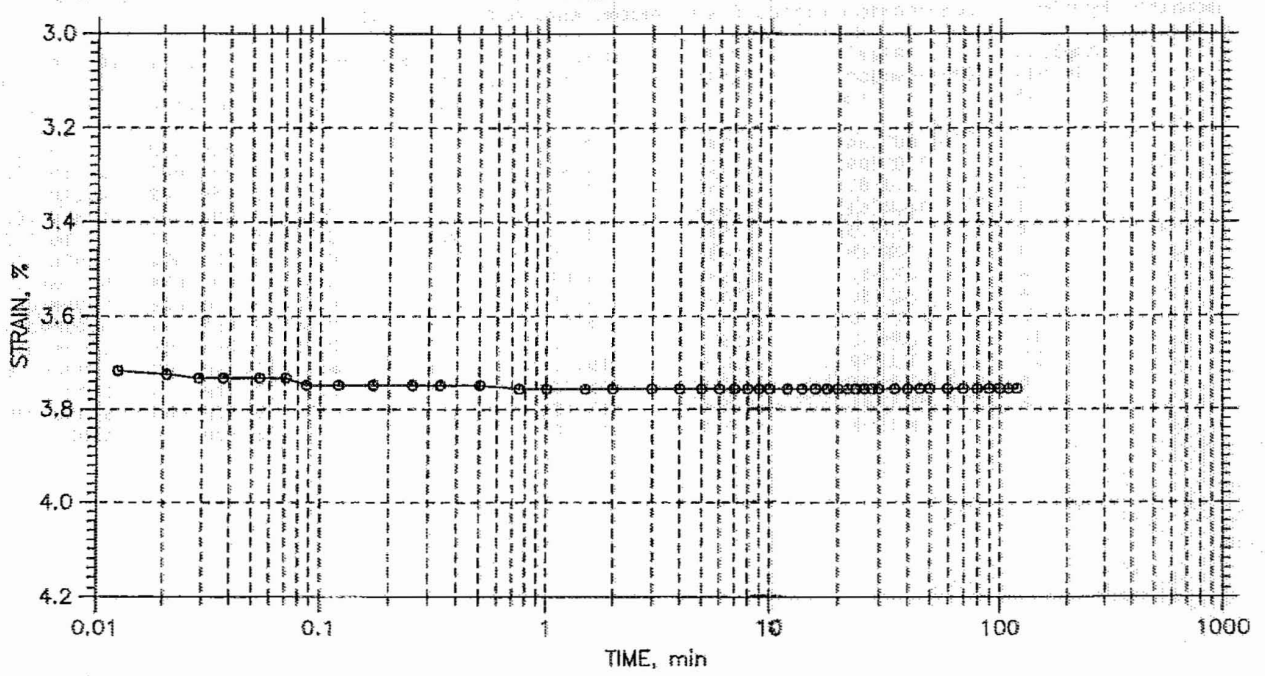
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.007234	1.721	0.72	0.1	0.1	1.31e-002	1.40e-002	1.35e-002
2	1	0.01189	1.708	1.19	0.1	0.1	1.23e-002	1.41e-002	1.32e-002
3	2	0.0187	1.689	1.87	0.0	0.0	2.05e-002	2.11e-002	2.08e-002
4	4	0.02661	1.668	2.66	0.0	0.0	1.59e-002	1.86e-002	1.72e-002
5	8	0.03453	1.646	3.45	0.1	0.1	5.43e-003	1.21e-002	7.51e-003
6	4	0.03748	1.638	3.75	0.0	0.0	7.12e-002	0.00e+000	7.12e-002
7	2	0.03811	1.636	3.81	1.0	0.0	7.90e-004	0.00e+000	7.90e-004
8	4	0.03756	1.638	3.76	0.0	0.0	3.57e-002	0.00e+000	3.57e-002
9	8	0.03665	1.640	3.67	3.7	0.0	2.06e-004	0.00e+000	2.06e-004
10	16	0.06693	1.557	6.69	0.6	0.1	1.28e-003	5.62e-003	2.08e-003
11	32	0.1952	1.205	19.52	3.6	4.7	1.74e-004	1.32e-004	1.50e-004
12	8	0.1876	1.226	18.76	0.7	0.0	8.14e-004	0.00e+000	8.14e-004
13	2	0.1643	1.290	16.43	6.5	6.7	8.56e-005	8.29e-005	8.43e-005
14	0.5	0.1398	1.357	13.98	9.3	11.9	6.37e-005	4.99e-005	5.59e-005

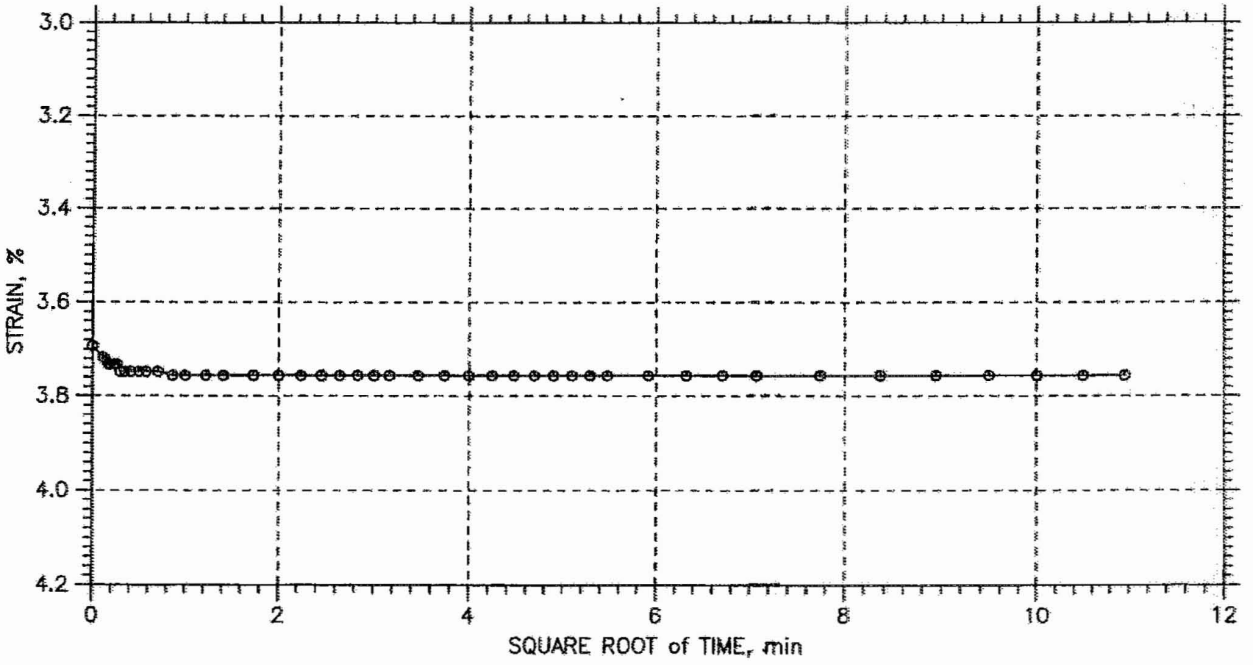
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-28	Test Date: 09/14/06	Depth: 123.5-124.8
	Test No.: C-13	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silt with sand (MH), 82% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.43, Recompression Ratio: 0.03		

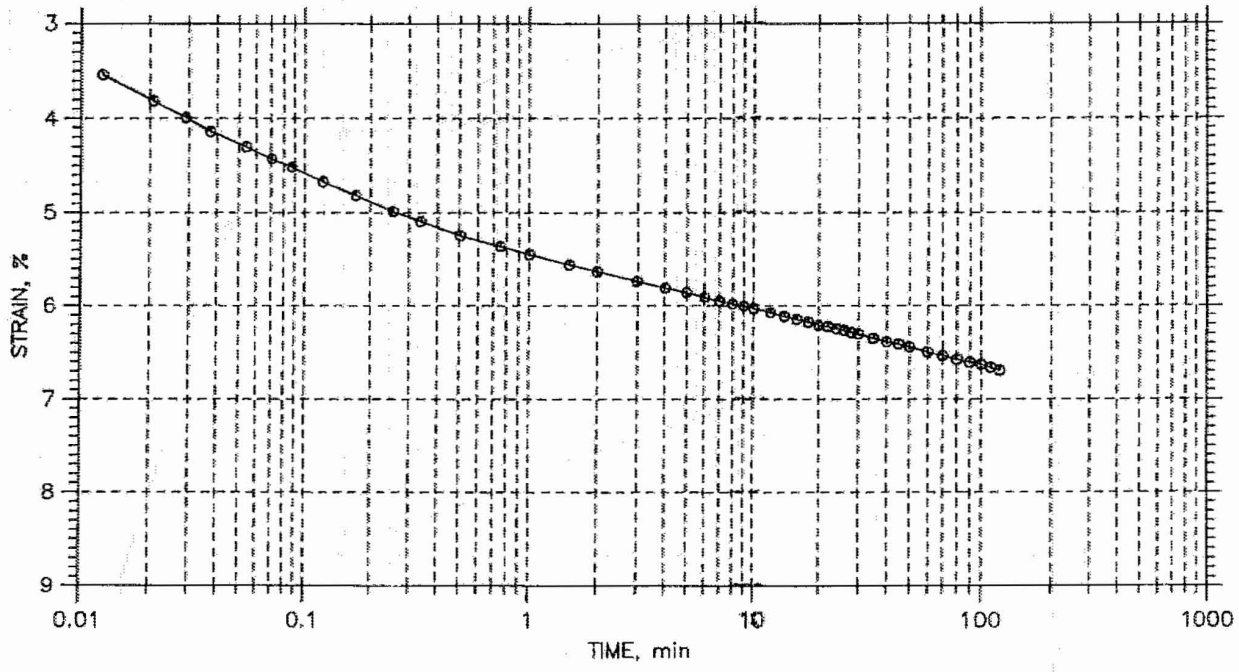
Thu, 09-NOV-2006 17:56:08

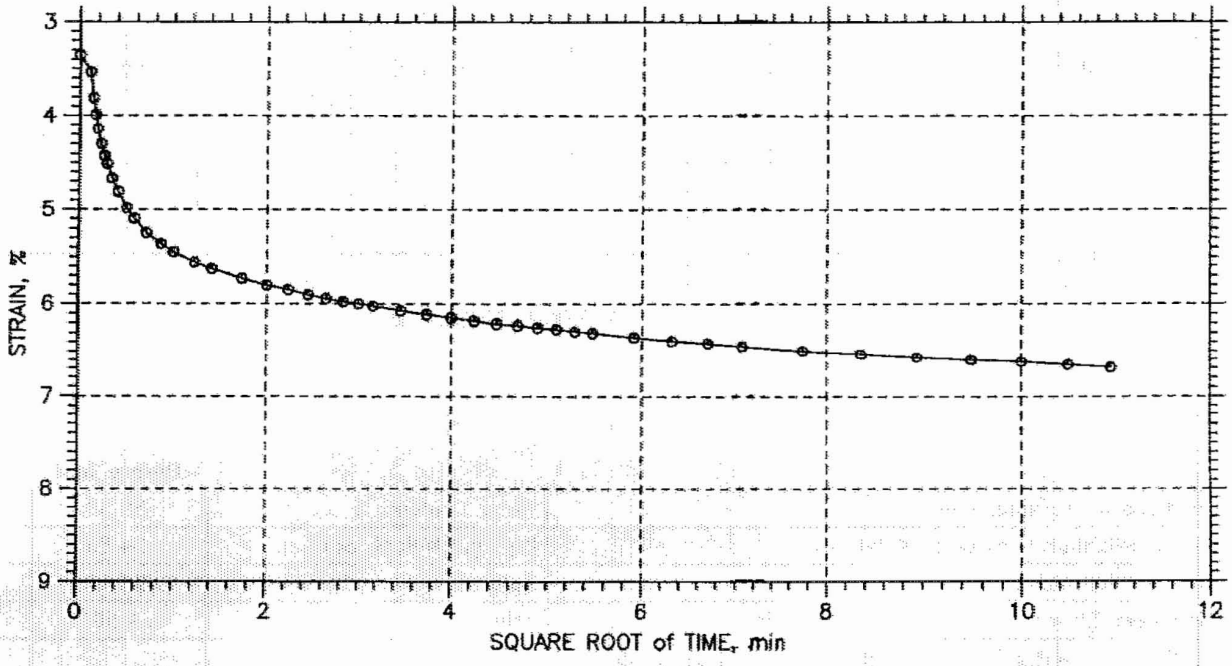
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

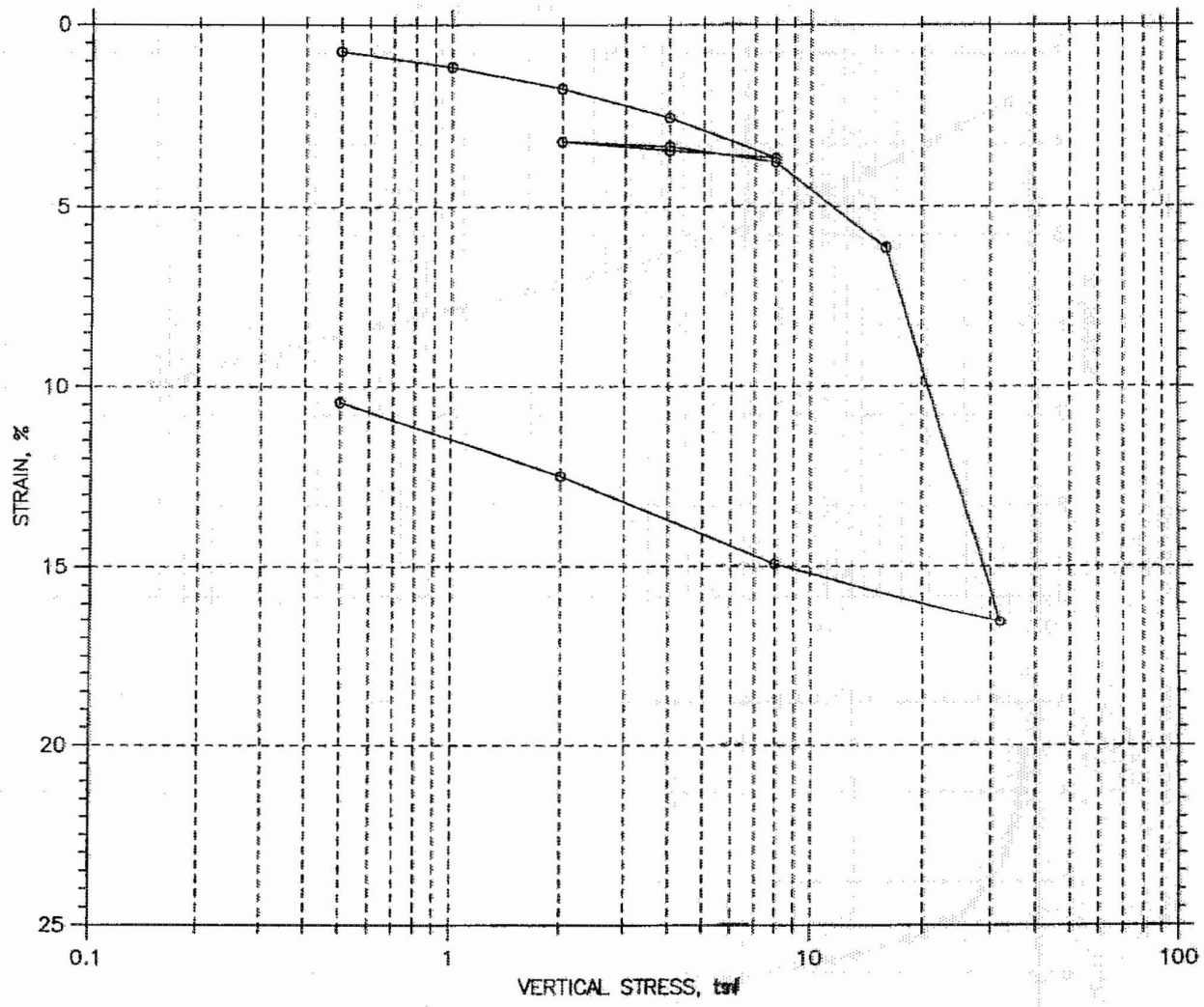




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-28	Test Date: 09/14/06	Depth: 123.5-124.8
	Test No.: C-13	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray silt with sand (MH), 82% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.43, Recompression Ratio: 0.03		

Thu, 09-NOV-2006 17:56:19

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	55.36	48.74
Preconsolidation Pressure: 14 tsf				Dry Unit Weight, pcf	64.66	72.19
Compression Index: ---				Saturation, %	94.12	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.56	1.29
LL: 81	PL: 54	PI: 27	GS: 2.65			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/14/06	Depth: 158.5-159.3
	Test No.: C-12	Sample Type: tube	Elevation: ---
	Description: Moist, olive sandy silt (MH), 59% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.35, Recompression Ratio: 0.03		

Thu, 09-NOV-2006 19:13:17

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-401
Sample No.: S-35
Test No.: C-12

Location: Calvert County, MD
Tested By: md
Test Date: 09/14/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 158.5-159.3
Elevation: ---

Soil Description: Moist, olive sandy silt (MH), 59% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System G - Compression Ratio: 0.35, Recompression Ratio: 0.03

Measured Specific Gravity: 2.65
Initial Void Ratio: 1.56
Final Void Ratio: 1.29

Liquid Limit: 81
Plastic Limit: 54
Plasticity Index: 27

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1490	RING		1425
Wt. Container + Wet Soil, gm	176.72	305.9	340.39	135.15
Wt. Container + Dry Soil, gm	117.51	299.78	299.78	93.71
Wt. Container, gm	8.05	216.47	216.47	8.69
Wt. Dry Soil, gm	109.46	83.312	83.312	85.02
Water Content, %	54.09	55.36	48.74	48.74
Void Ratio	---	1.56	1.29	---
Degree of Saturation, %	---	94.12	100.00	---
Dry Unit Weight, pcf	---	64.657	72.188	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-401
Sample No.: S-35
Test No.: C-12

Location: Calvert County, MD
Tested By: md
Test Date: 09/14/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 158.5-159.3
Elevation: ---

Soil Description: Moist, olive sandy silt (MH), 59% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System G - Compression Ratio: 0.35, Recompression Ratio: 0.03

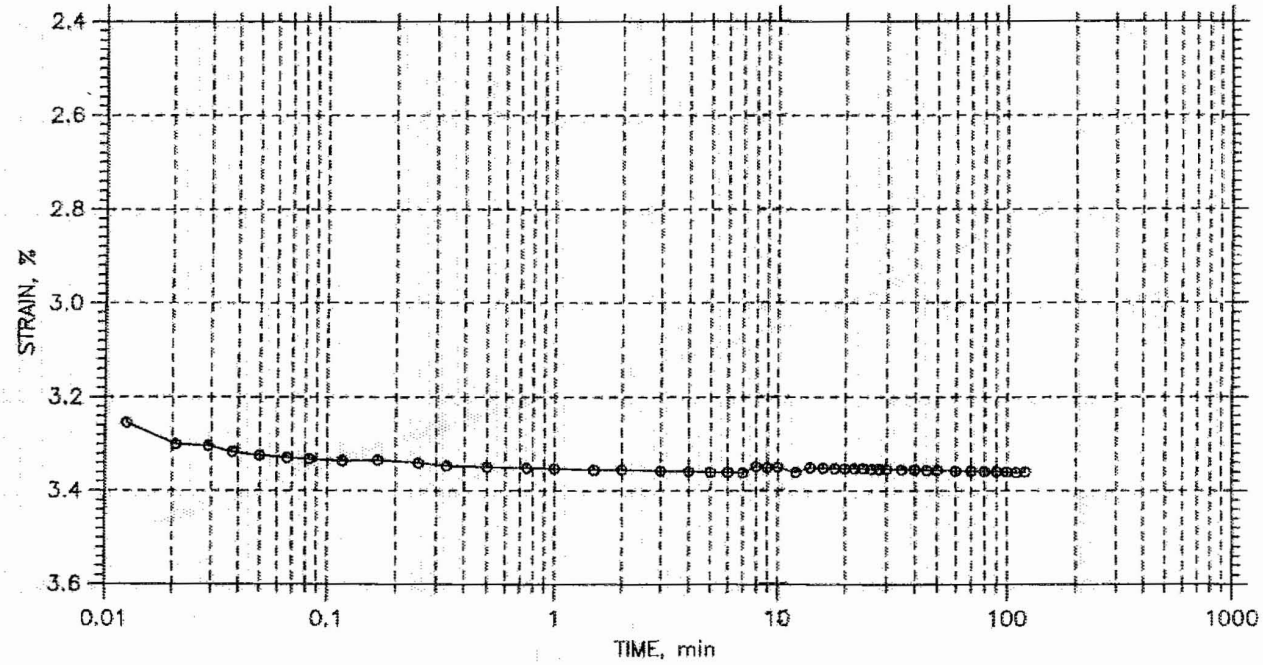
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.007286	1.540	0.73	0.0	0.0	4.27e-002	0.00e+000	4.27e-002
2	1	0.01169	1.529	1.17	0.0	0.0	4.50e-002	3.74e-002	4.09e-002
3	2	0.01761	1.514	1.76	0.0	0.0	2.28e-002	4.40e-002	3.00e-002
4	4	0.02555	1.493	2.56	0.0	0.0	3.39e-002	6.08e-002	4.36e-002
5	8	0.03663	1.465	3.66	0.0	0.0	2.13e-002	0.00e+000	2.13e-002
6	4	0.03462	1.470	3.46	0.0	0.0	1.01e-001	0.00e+000	1.01e-001
7	2	0.03221	1.476	3.22	0.0	0.0	9.97e-002	0.00e+000	9.97e-002
8	4	0.0336	1.473	3.36	0.0	0.0	7.38e-002	0.00e+000	7.38e-002
9	8	0.03771	1.462	3.77	0.0	0.0	9.67e-002	0.00e+000	9.67e-002
10	16	0.06136	1.402	6.14	0.3	0.0	2.55e-003	0.00e+000	2.55e-003
11	32	0.1654	1.135	16.54	2.6	0.0	2.48e-004	0.00e+000	2.48e-004
12	8	0.1492	1.177	14.92	0.2	0.0	3.53e-003	0.00e+000	3.53e-003
13	2	0.1249	1.239	12.49	2.6	3.1	2.35e-004	1.95e-004	2.13e-004
14	0.5	0.1043	1.292	10.43	5.4	8.7	1.18e-004	7.38e-005	9.09e-005

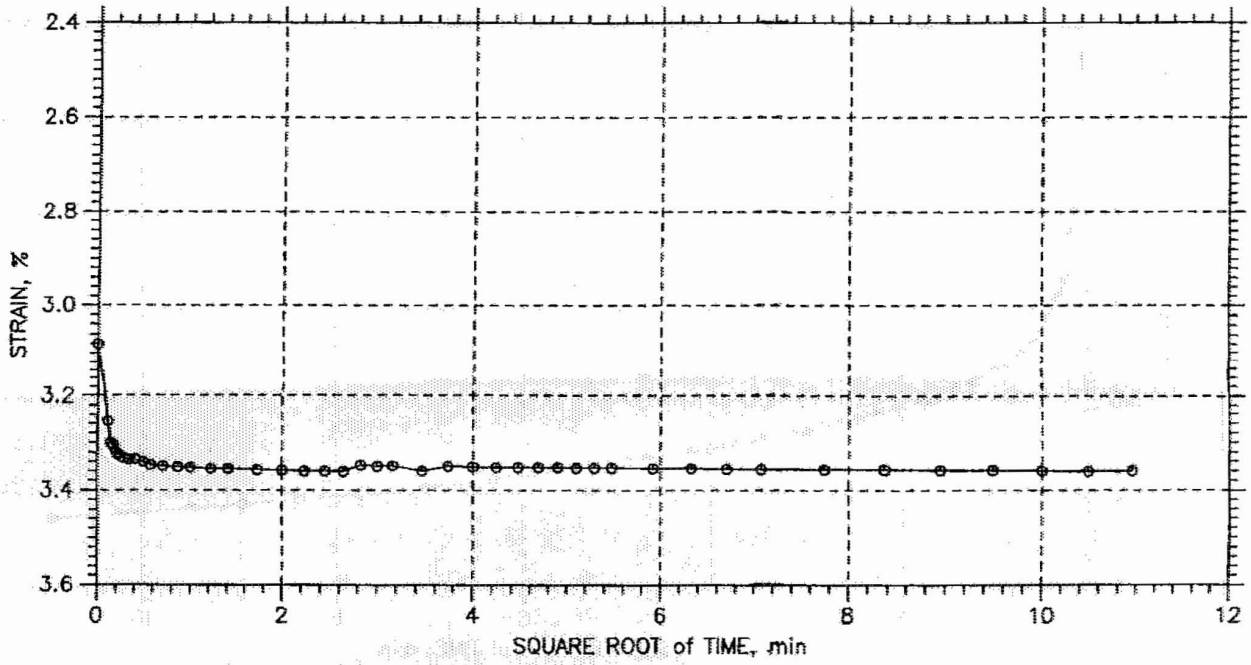
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/14/06	Depth: 158.5-159.3
	Test No.: C-12	Sample Type: tube	Elevation: ---
	Description: Moist, olive sandy silt (MH), 59% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.35, Recompression Ratio: 0.03		

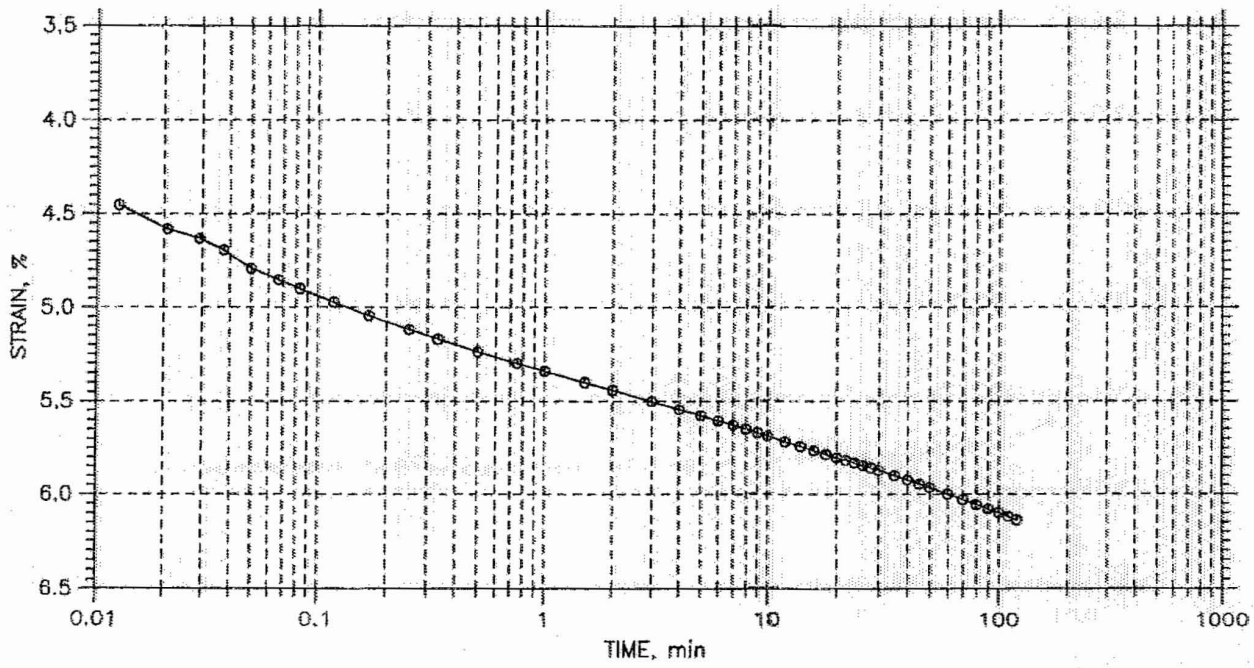
Thu, 09-NOV-2006 19:14:01

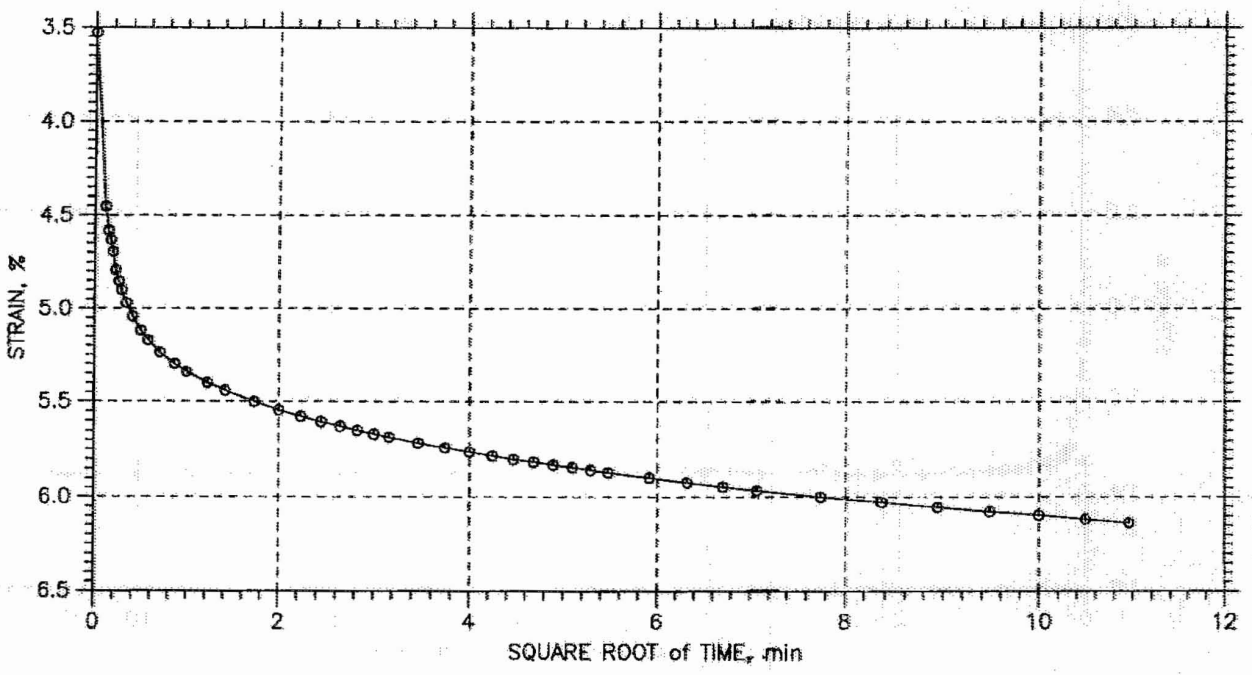
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

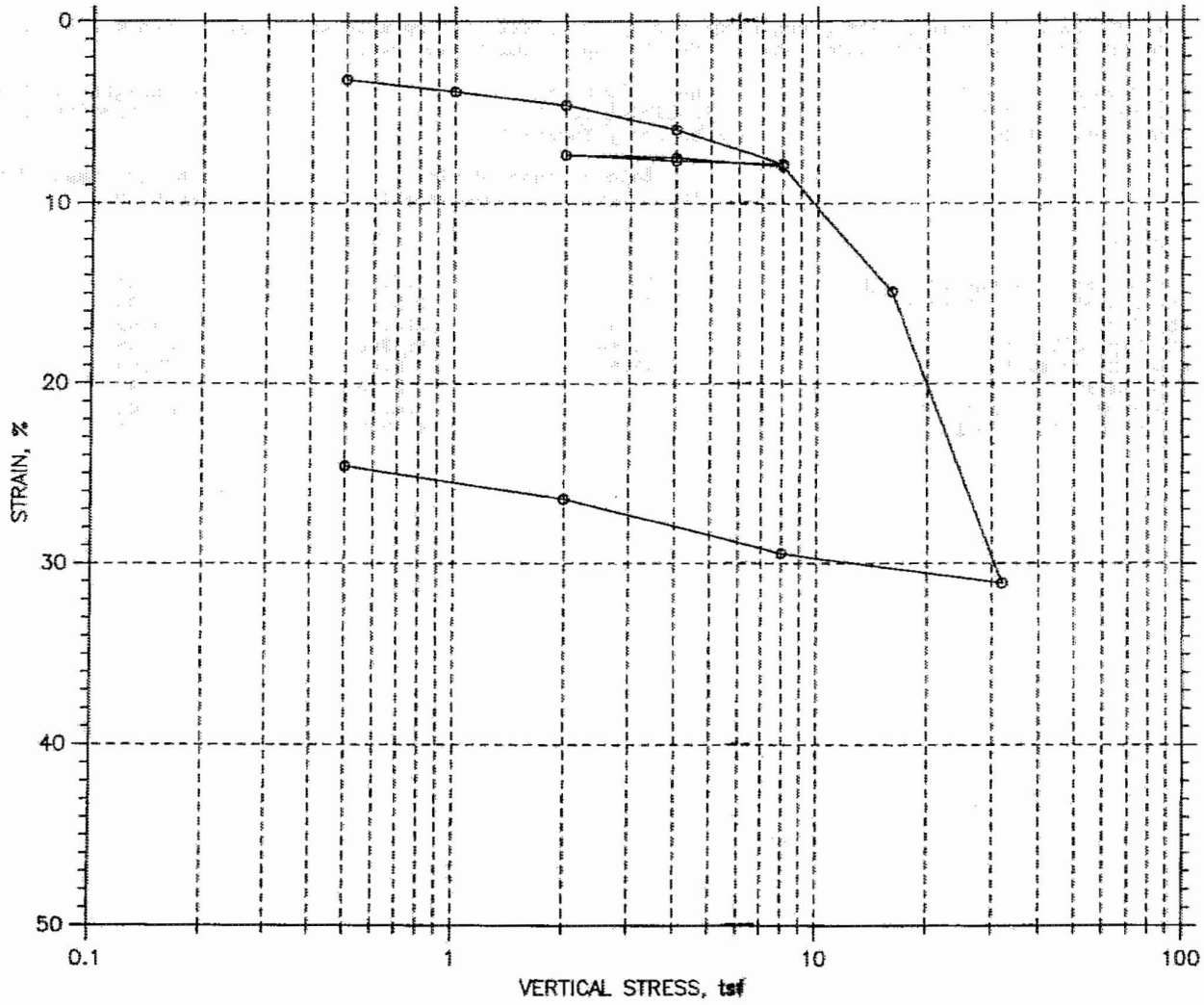




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/14/06	Depth: 158.5-159.3
	Test No.: C-12	Sample Type: tube	Elevation: ---
	Description: Moist, olive sandy silt (MH), 59% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.35, Recompression Ratio: 0.03		

Thu, 09-NOV-2006 19:14:15

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	86.00	67.63
Preconsolidation Pressure: 11 tsf				Dry Unit Weight, pcf	45.32	60.11
Compression Index: ---				Saturation, %	84.72	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	2.80	1.87
LL: 57	PL: 17	PI: 40	GS: 2.76			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-37	Test Date: 09/14/2006	Depth: 173.5-174.4
	Test No.: C-14	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CH), 98% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.54, Recompression Ratio: 0.04		

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CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-401
Sample No.: S-37
Test No.: C-14

Location: Calvert County, MD
Tested By: md
Test Date: 09/14/2006
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 173.5-174.4
Elevation: ---

Soil Description: Moist, dark greenish gray clay (CH), 98% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System S - Compression Ratio: 0.54, Recompression Ratio: 0.04

Measured Specific Gravity: 2.76
Initial Void Ratio: 2.80
Final Void Ratio: 1.87

Liquid Limit: 57
Plastic Limit: 17
Plasticity Index: 40

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1131	RING		1768
Wt. Container + Wet Soil, gm	160.45	325.27	314.54	109.15
Wt. Container + Dry Soil, gm	92.83	275.05	275.05	68.48
Wt. Container, gm	8.19	216.65	216.65	8.34
Wt. Dry Soil, gm	84.64	58.398	58.398	60.14
Water Content, %	79.89	86.00	67.63	67.63
Void Ratio	---	2.80	1.87	---
Degree of Saturation, %	---	84.72	100.00	---
Dry Unit Weight, pcf	---	45.322	60.11	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-401
Sample No.: S-37
Test No.: C-14

Location: Calvert County, MD
Tested By: md
Test Date: 09/14/2006
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 173.5-174.4
Elevation: ---

Soil Description: Moist, dark greenish gray clay (CH), 98% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System S - Compression Ratio: 0.54, Recompression Ratio: 0.04

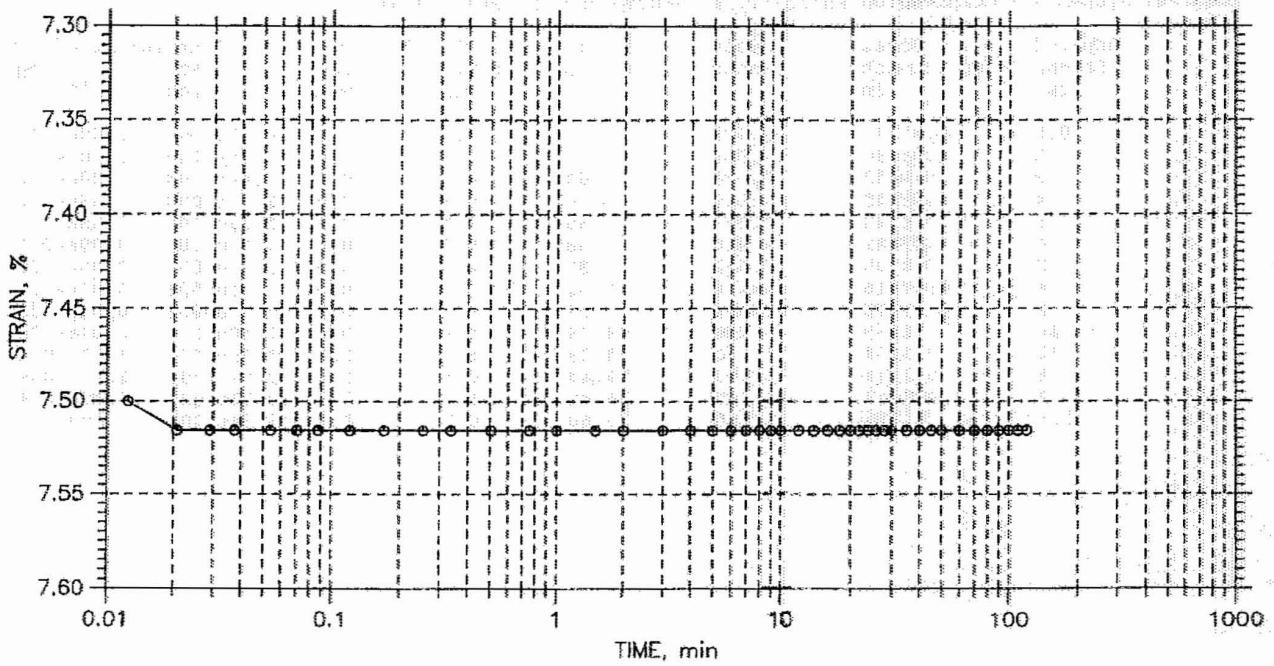
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.03236	2.679	3.24	0.2	0.0	4.95e-003	0.00e+000	4.95e-003
2	1	0.03894	2.654	3.89	0.1	0.0	1.45e-002	0.00e+000	1.45e-002
3	2	0.0463	2.626	4.63	0.1	0.0	7.44e-003	1.90e-002	1.07e-002
4	4	0.05965	2.575	5.96	0.1	0.0	1.46e-002	1.58e-002	1.51e-002
5	8	0.0785	2.503	7.85	0.1	0.0	1.37e-002	1.89e-002	1.59e-002
6	4	0.07681	2.510	7.68	0.0	0.0	4.03e-002	0.00e+000	4.03e-002
7	2	0.0735	2.522	7.35	0.0	0.0	3.91e-002	0.00e+000	3.91e-002
8	4	0.07516	2.516	7.52	0.0	0.0	4.46e-002	0.00e+000	4.46e-002
9	8	0.07976	2.498	7.98	0.0	0.0	3.64e-002	0.00e+000	3.64e-002
10	16	0.1489	2.236	14.89	4.3	0.0	1.48e-004	0.00e+000	1.48e-004
11	32	0.3109	1.620	31.09	1.3	1.2	3.86e-004	4.08e-004	3.97e-004
12	8	0.2944	1.683	29.44	0.4	0.4	9.01e-004	9.19e-004	9.10e-004
13	2	0.2642	1.797	26.42	1.9	2.5	2.21e-004	1.70e-004	1.92e-004
14	0.5	0.246	1.866	24.60	6.6	8.1	6.94e-005	5.60e-005	6.20e-005

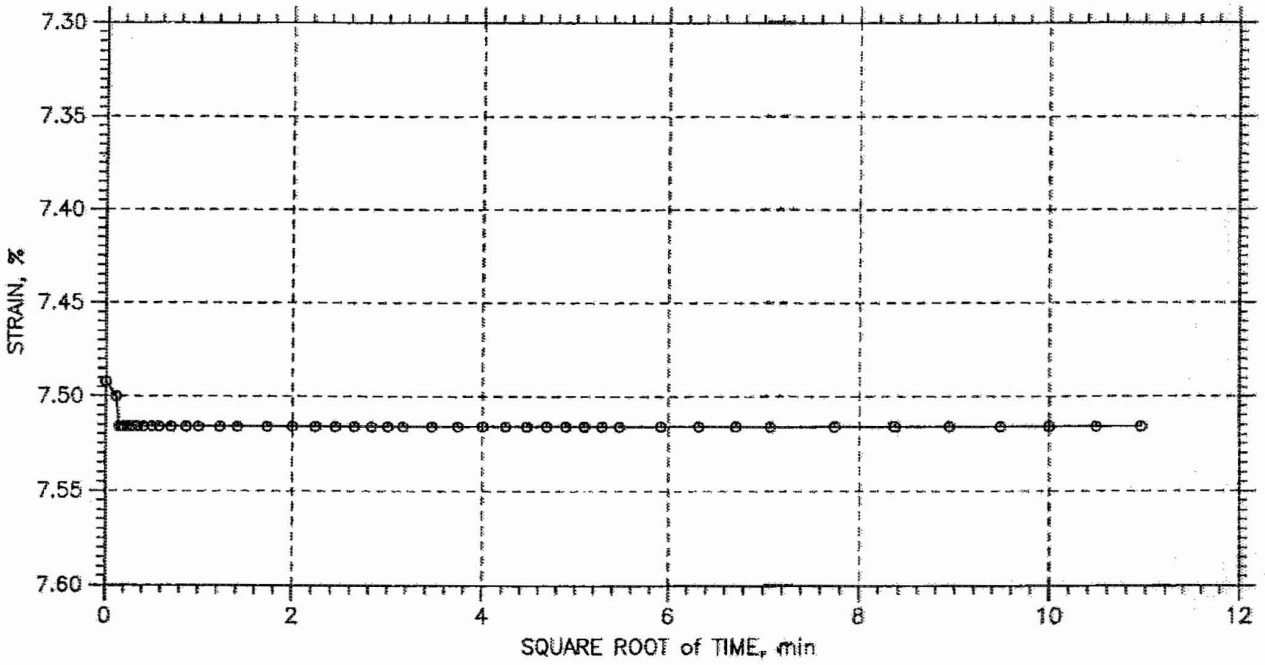
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-37	Test Date: 09/14/2006	Depth: 173.5-174.4
	Test No.: C-14	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CH), 98% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.54, Recompression Ratio: 0.04		

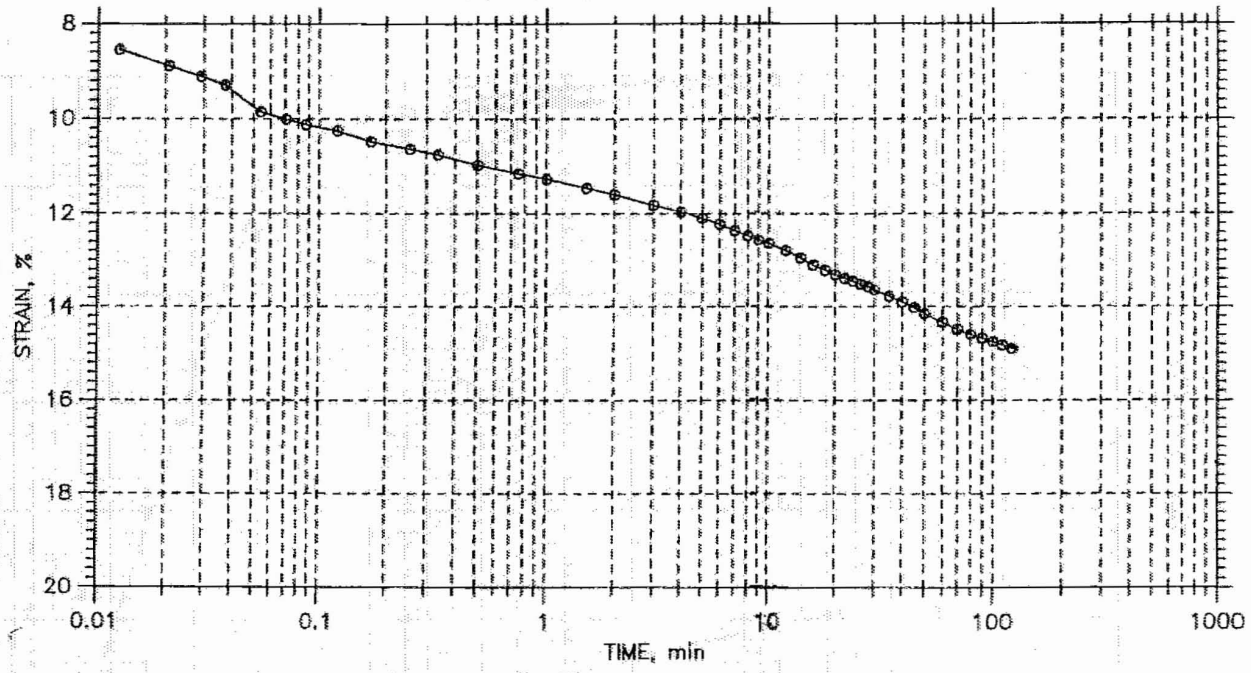
Thu, 09-NOV-2006 18:02:57

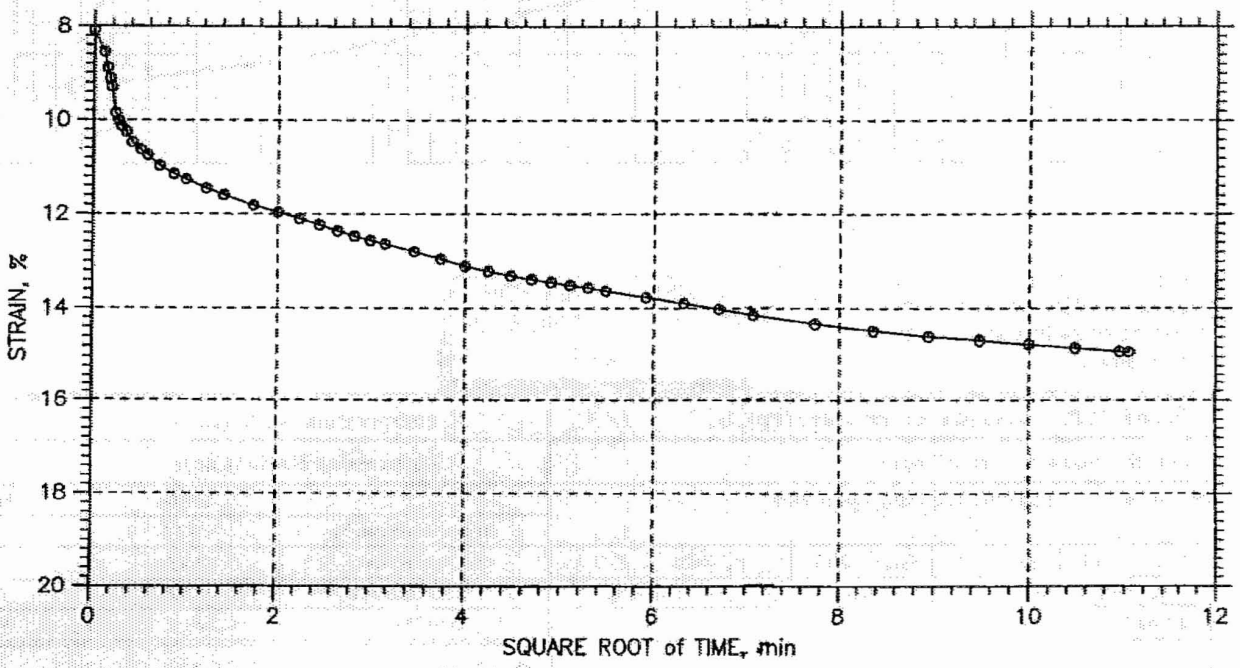
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

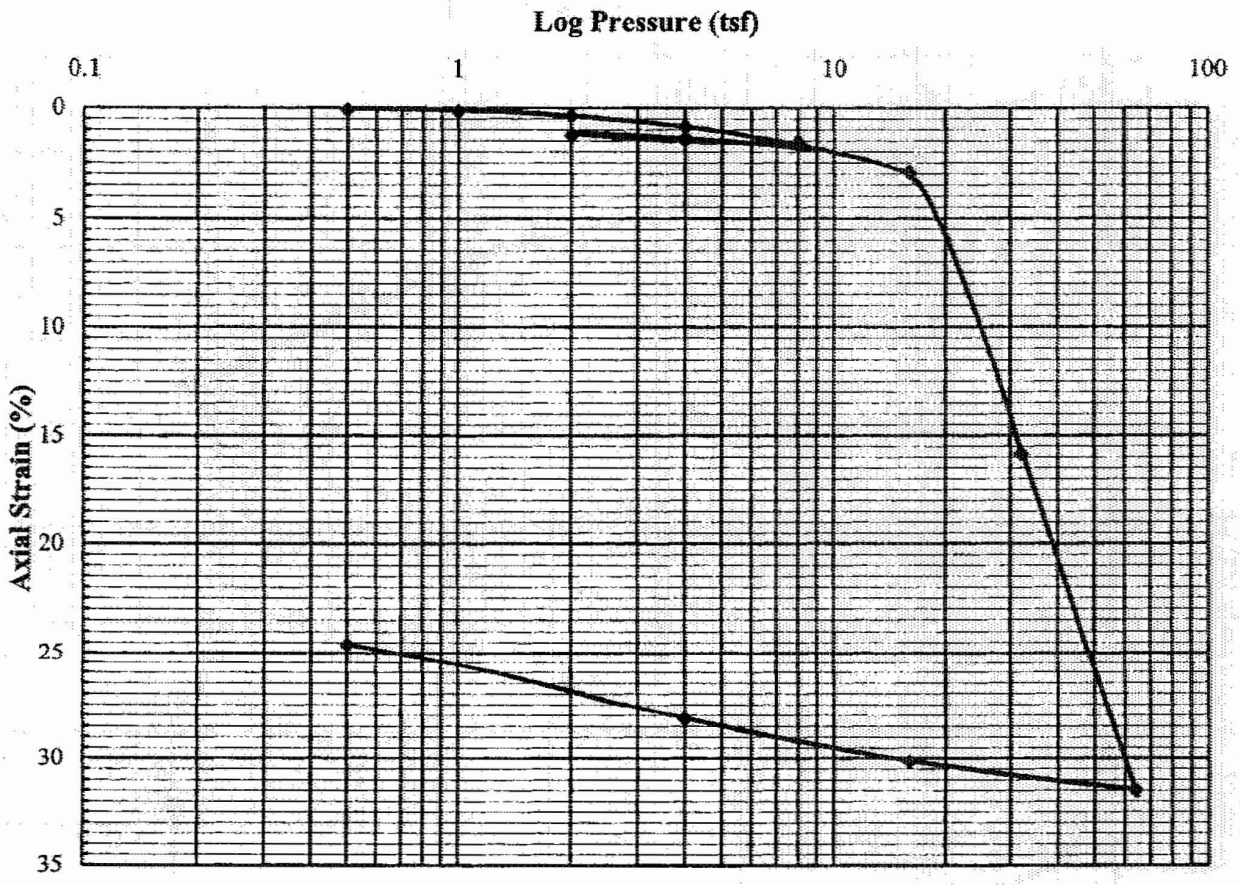
Stress: 16. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-401	Tested By: md	Checked By: jdt
	Sample No.: S-37	Test Date: 09/14/2006	Depth: 173.5-174.4
	Test No.: C-14	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CH), 98% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System S - Compression Ratio: 0.54, Recompression Ratio: 0.04		

Thu, 09-NOV-2006 18:03:12



Coefficient of Consolidation, Cv, equals 476 ft2/yr at an average pressure of 24 tsf (square root of time method).

REVISED FORM FOR
NCR NO. 25237-NCR-028
2/12/07

Probable Preconsolidation Pressure (Pp), tsf:	*18.3*	**Recompression Ratio (Cεr):**	*0.006*
Type of Specimen:	*Tube Sample*	**Compression Ratio (Cεc):**	*0.519*
Description:	*ELASTIC SILT (MH) - green gray*		

	Initial	Final
Water Content, %	102.4	70.6
Void Ratio	2.41	1.57
Saturation, %	100	100
Dry Unit Weight, pcf	43.1	57.2

LL: 140	**PI:** 75	**Gs:** 2.36	**P_c' (tsf):** 7.45
% < No. 200: 98.7		**Test Method:**	*ASTM D2435 Method A*
Test Condition:	*Inundated @ 4 tsf*		

Remarks: *Oven dried LL = 112*

Average Water Content of Trimmings, %: *100.5*

Schnabel
Schnabel Engineering

Project: Calvert Cliffs Nuclear Power Plant

Location:	*Calvert County, MD*		
Boring:	*B-401*	**Schnabel No.:**	*06120048*
Depth:	*243.5-244.4 ft*	**Elevation:**	*-171.4 to -172.3*
Date:	*11/21/2006*	**Reviewed by:**	*CJS*

Consolidation Test Report