CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-414
Sample No.: S-17
Test No.: C-30

Location: Calvert County, MD
Tested By: md
Test Date: 09/26/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 68-70
Elevation: ---

Soil Description: Moist, dark greenish gray clay (CH), 97% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System G - Compression Ratio: 0.28, Recompression Ratio: 0.04

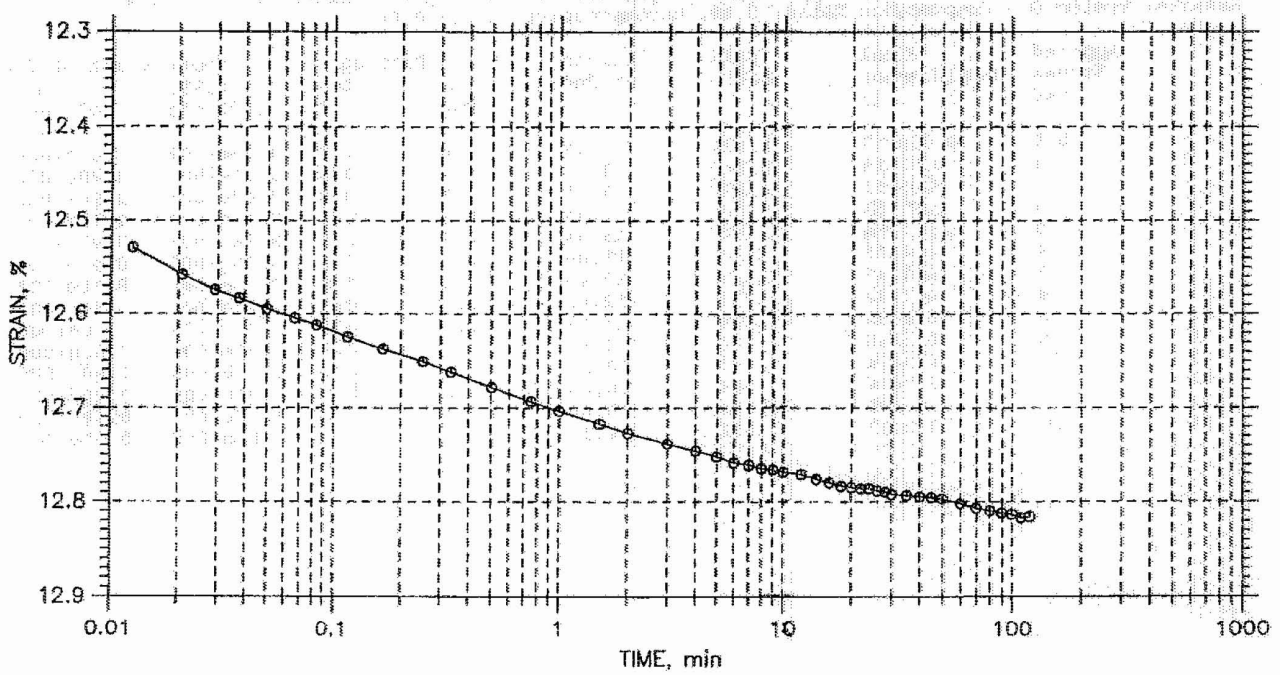
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.009877	1.402	0.99	0.0	0.0	3.62e-002	0.00e+000	3.62e-002
2	1	0.01616	1.386	1.62	0.1	0.0	1.21e-002	3.28e-002	1.77e-002
3	2	0.03051	1.352	3.05	0.1	0.0	7.60e-003	3.20e-002	1.23e-002
4	4	0.07763	1.237	7.76	0.1	0.0	7.46e-003	1.75e-002	1.05e-002
5	8	0.1354	1.097	13.54	0.2	0.0	3.34e-003	2.97e-002	6.00e-003
6	4	0.1306	1.109	13.06	0.1	0.0	6.00e-003	0.00e+000	6.00e-003
7	2	0.1245	1.124	12.45	1.6	0.8	3.85e-004	8.10e-004	5.22e-004
8	4	0.1282	1.115	12.82	0.1	0.0	6.08e-003	0.00e+000	6.08e-003
9	8	0.1402	1.086	14.02	0.6	0.0	1.01e-003	0.00e+000	1.01e-003
10	16	0.1985	0.944	19.85	4.1	0.0	1.39e-004	0.00e+000	1.39e-004
11	32	0.2824	0.741	28.24	23.4	0.0	2.03e-005	0.00e+000	2.03e-005
12	8	0.2646	0.784	26.46	6.1	0.0	7.08e-005	0.00e+000	7.08e-005
13	2	0.236	0.853	23.60	39.7	0.0	1.16e-005	0.00e+000	1.16e-005
14	0.5	0.2113	0.913	21.13	57.5	0.0	8.62e-006	0.00e+000	8.62e-006

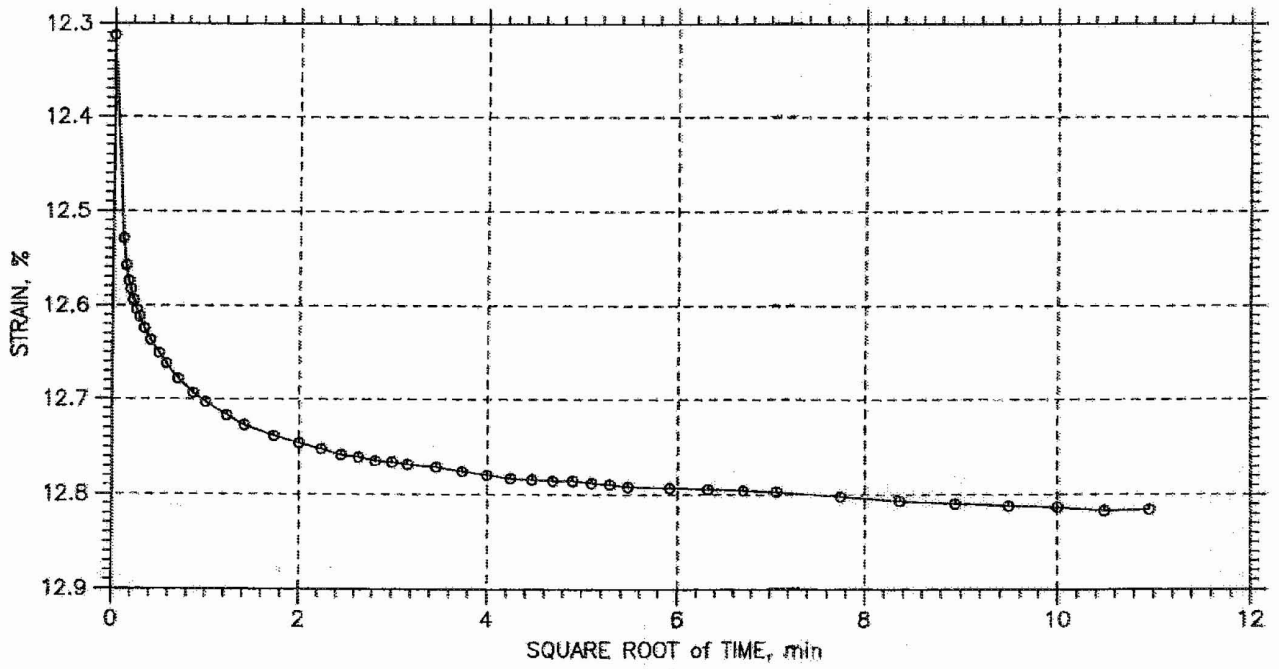
CONSOLIDATION TEST DATA

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-414	Tested By: md	Checked By: jdt
	Sample No.: S-17	Test Date: 09/26/06	Depth: 68-70
	Test No.: C-30	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CH), 97% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.28, Recompression Ratio: 0.04		

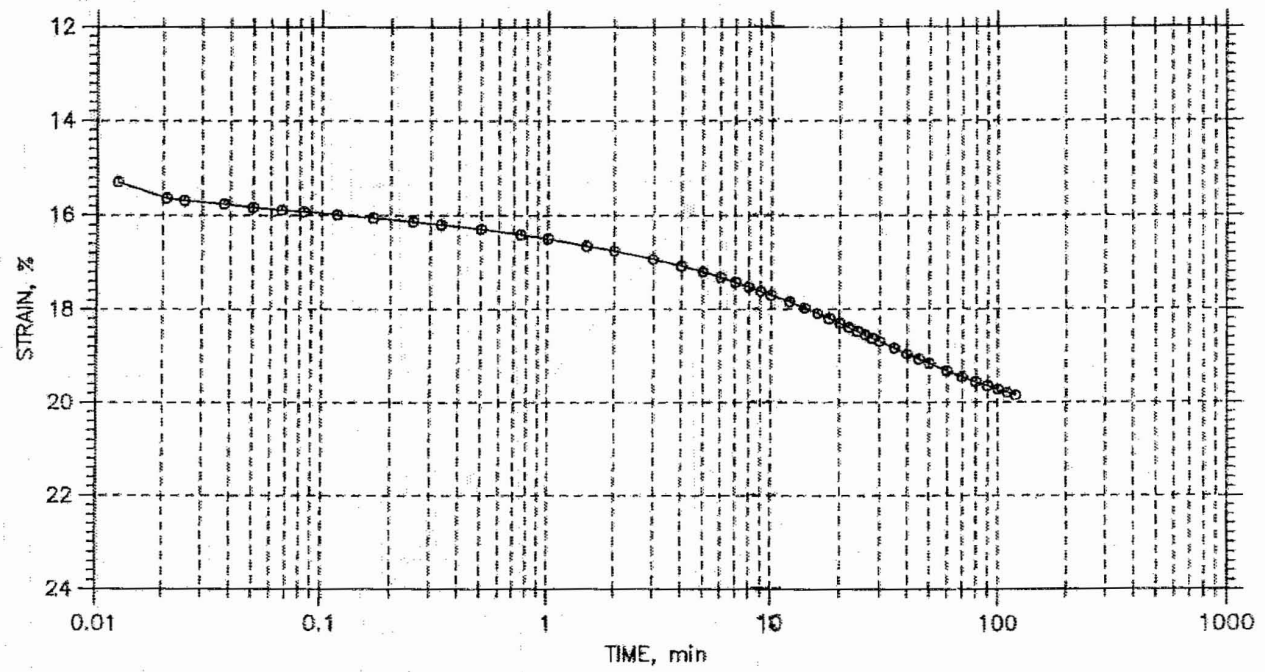
Thu, 09-NOV-2006 18:34:53

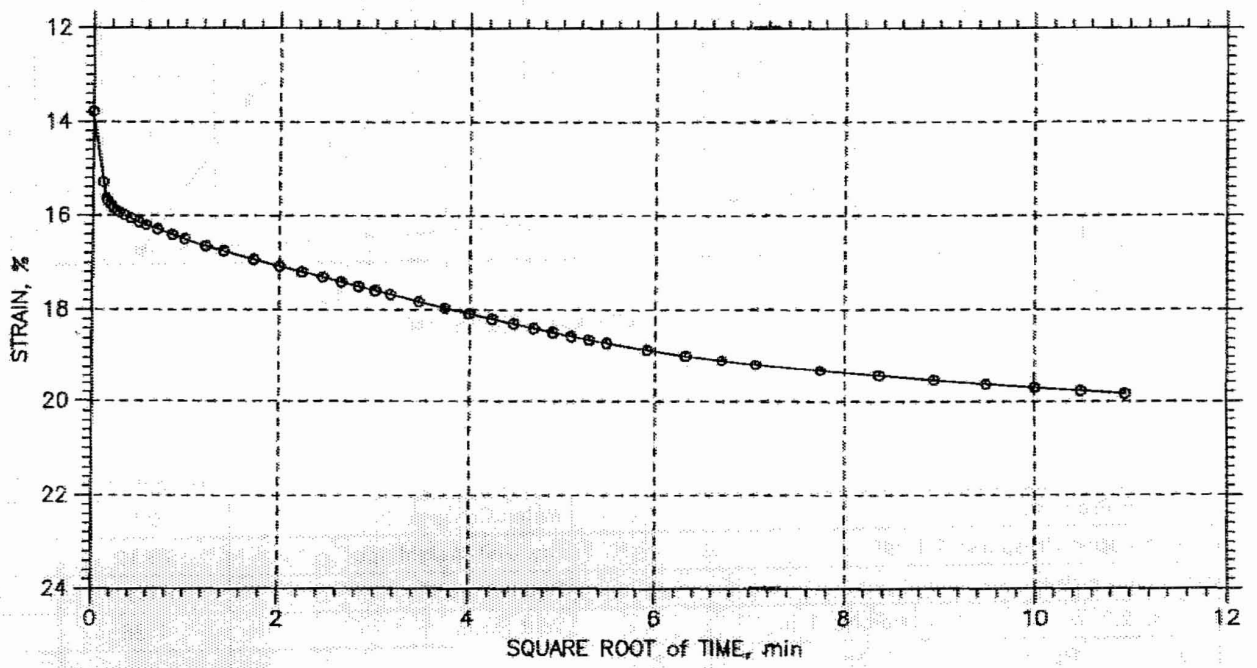
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

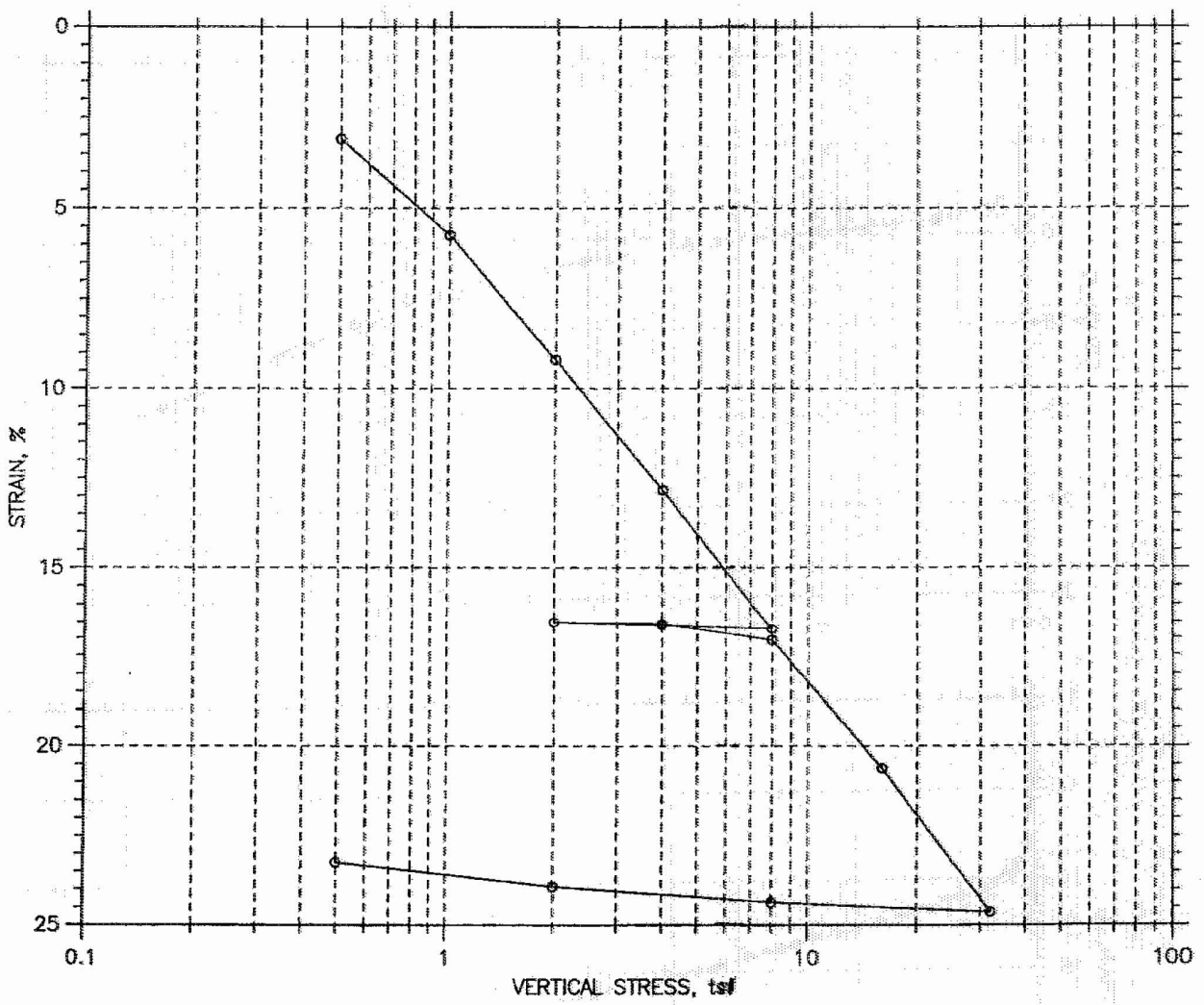




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-414	Tested By: md	Checked By: jdt
	Sample No.: S-17	Test Date: 09/26/06	Depth: 68-70
	Test No.: C-30	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray clay (CH), 97% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.28, Recompression Ratio: 0.04		

Thu, 09-NOV-2006 18:35:01

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	29.52	25.84
Preconsolidation Pressure: 1.1 tsf				Dry Unit Weight, pcf	76.12	99.17
Compression Index: ---				Saturation, %	64.66	97.17
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.26	0.73
LL: 49	PL: 11	PI: 38	GS: 2.75			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-420	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/09/06	Depth: 63.5-65.5'
	Test No.: C-7	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray clayey sand (SC), 19% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C - Compression Ratio: 0.13, Recompression Ratio: <0.01		

Thu, 09-NOV-2006 18:37:01

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-420	Tested By: md	Checked By: jdt
Sample No.: S-16	Test Date: 09/09/06	Depth: 63.5-65.5'
Test No.: C-7	Sample Type: tube	Elevation: ---

Soil Description: Moist, olive gray clayey sand (SC), 19% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System C - Compression Ratio: 0.13, Recompression Ratio: <0.01

Measured Specific Gravity: 2.75	Liquid Limit: 49	Initial Height: 1.00 in
Initial Void Ratio: 1.26	Plastic Limit: 11	Specimen Diameter: 2.50 in
Final Void Ratio: 0.73	Plasticity Index: 38	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1527	RING		1515
Wt. Container + Wet Soil, gm	127.81	342.64	339.03	131.22
Wt. Container + Dry Soil, gm	98.72	313.69	313.69	106.01
Wt. Container, gm	8.45	215.61	215.61	8.43
Wt. Dry Soil, gm	90.27	98.081	98.081	97.58
Water Content, %	32.23	29.52	25.84	25.84
Void Ratio	---	1.26	0.73	---
Degree of Saturation, %	---	64.66	97.17	---
Dry Unit Weight, pcf	---	76.119	99.168	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-420
Sample No.: S-16
Test No.: C-7

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

Project No.: GTX-6880
Checked By: jdt
Depth: 63.5-65.5'
Elevation: ---

Soil Description: Moist, olive gray clayey sand (SC), 19% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System C - Compression Ratio: 0.13, Recompression Ratio: <0.01

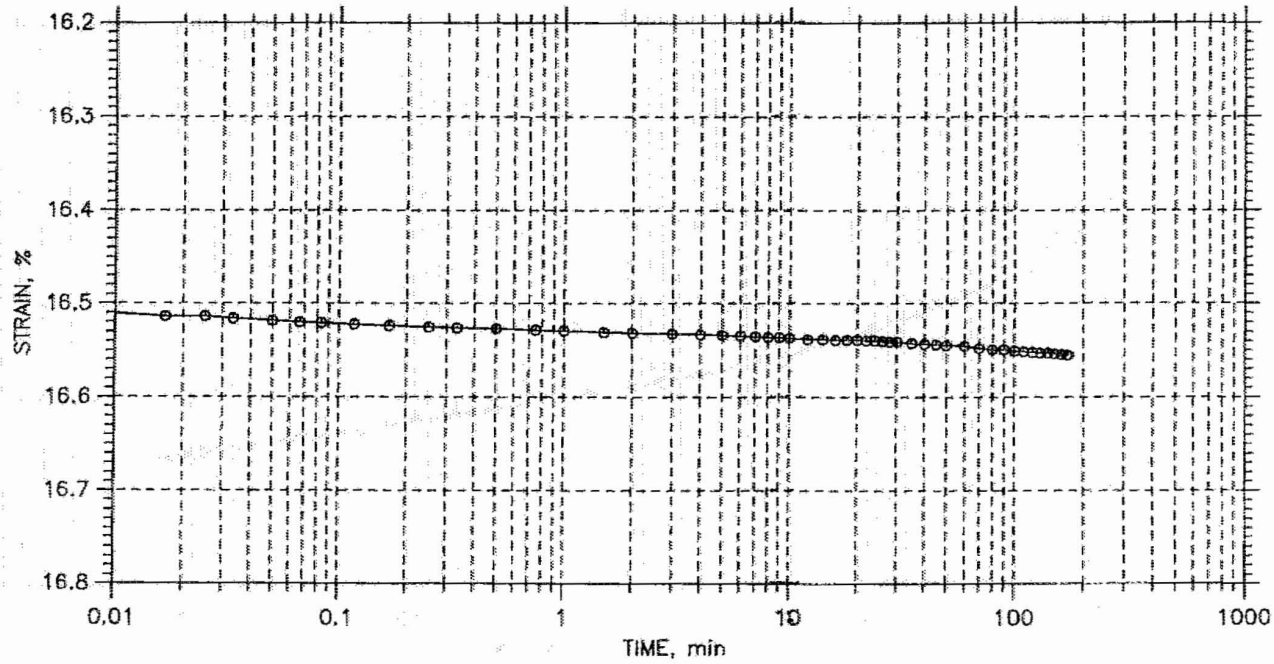
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.03098	1.186	3.10	0.0	0.0	1.83e-002	1.65e-002	1.74e-002
2	1	0.05749	1.126	5.75	0.1	0.0	1.46e-002	1.66e-002	1.55e-002
3	2	0.09196	1.048	9.20	0.0	0.0	1.73e-002	1.86e-002	1.79e-002
4	4	0.1284	0.966	12.84	0.0	0.0	1.44e-002	2.59e-002	1.85e-002
5	8	0.1671	0.879	16.71	0.0	0.0	1.87e-002	3.00e-002	2.30e-002
6	4	0.166	0.881	16.60	0.0	0.0	1.40e-001	0.00e+000	1.40e-001
7	2	0.1651	0.883	16.51	0.0	0.0	1.08e-001	0.00e+000	1.08e-001
8	4	0.1656	0.882	16.56	0.0	0.0	1.04e-001	0.00e+000	1.04e-001
9	8	0.1706	0.871	17.06	0.1	0.0	6.06e-003	0.00e+000	6.06e-003
10	16	0.2062	0.790	20.62	0.0	0.0	3.37e-002	4.10e-002	3.70e-002
11	32	0.2464	0.700	24.64	0.0	0.0	3.08e-002	3.66e-002	3.34e-002
12	8	0.2436	0.706	24.36	0.0	0.0	5.10e-002	0.00e+000	5.10e-002
13	2	0.2393	0.716	23.93	0.0	0.0	6.80e-002	0.00e+000	6.80e-002
14	0.5	0.2324	0.731	23.24	0.3	0.1	1.52e-003	3.93e-003	2.19e-003

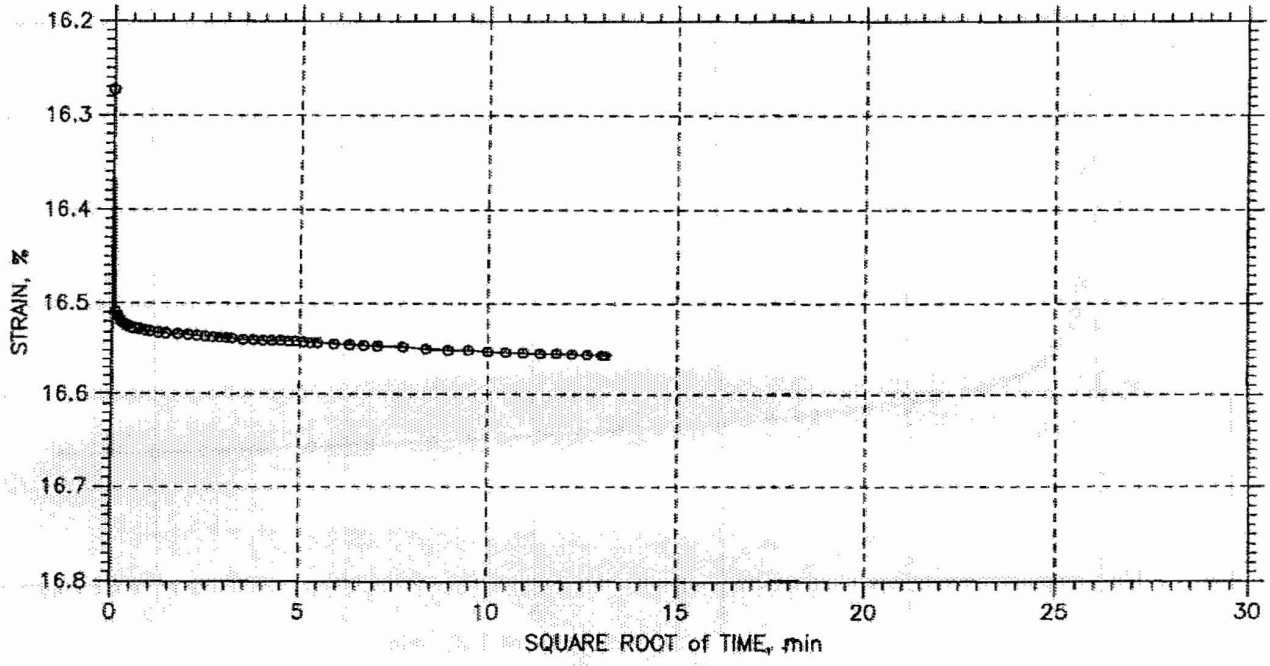
CONSOLIDATION TEST DATA

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-420	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/09/06	Depth: 63.5-65.5'
	Test No.: C-7	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray clayey sand (SC), 19% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C – Compression Ratio: 0.13, Recompression Ratio: <0.01		

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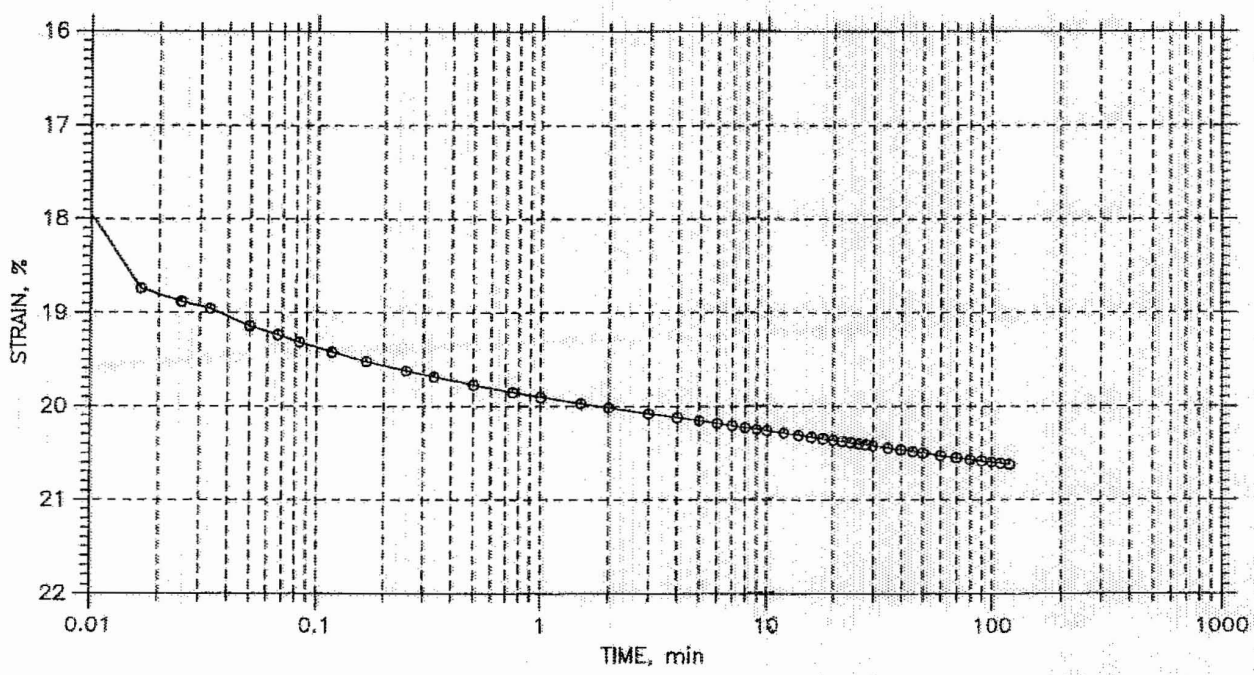
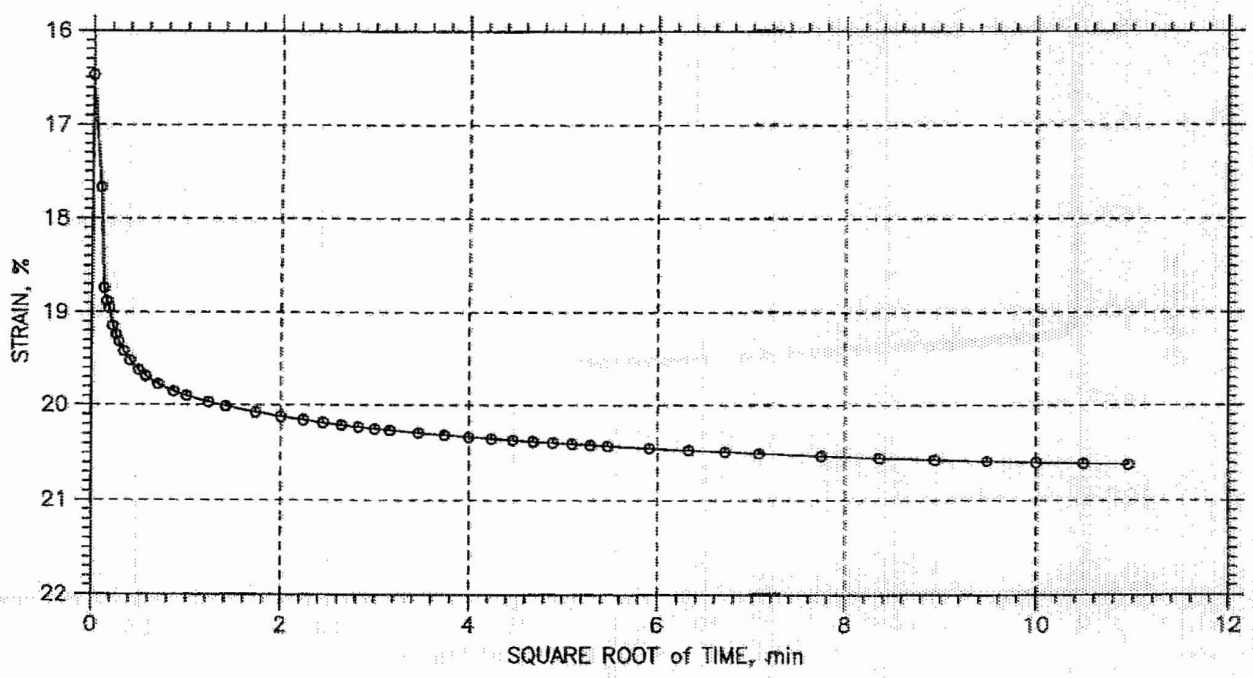
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf



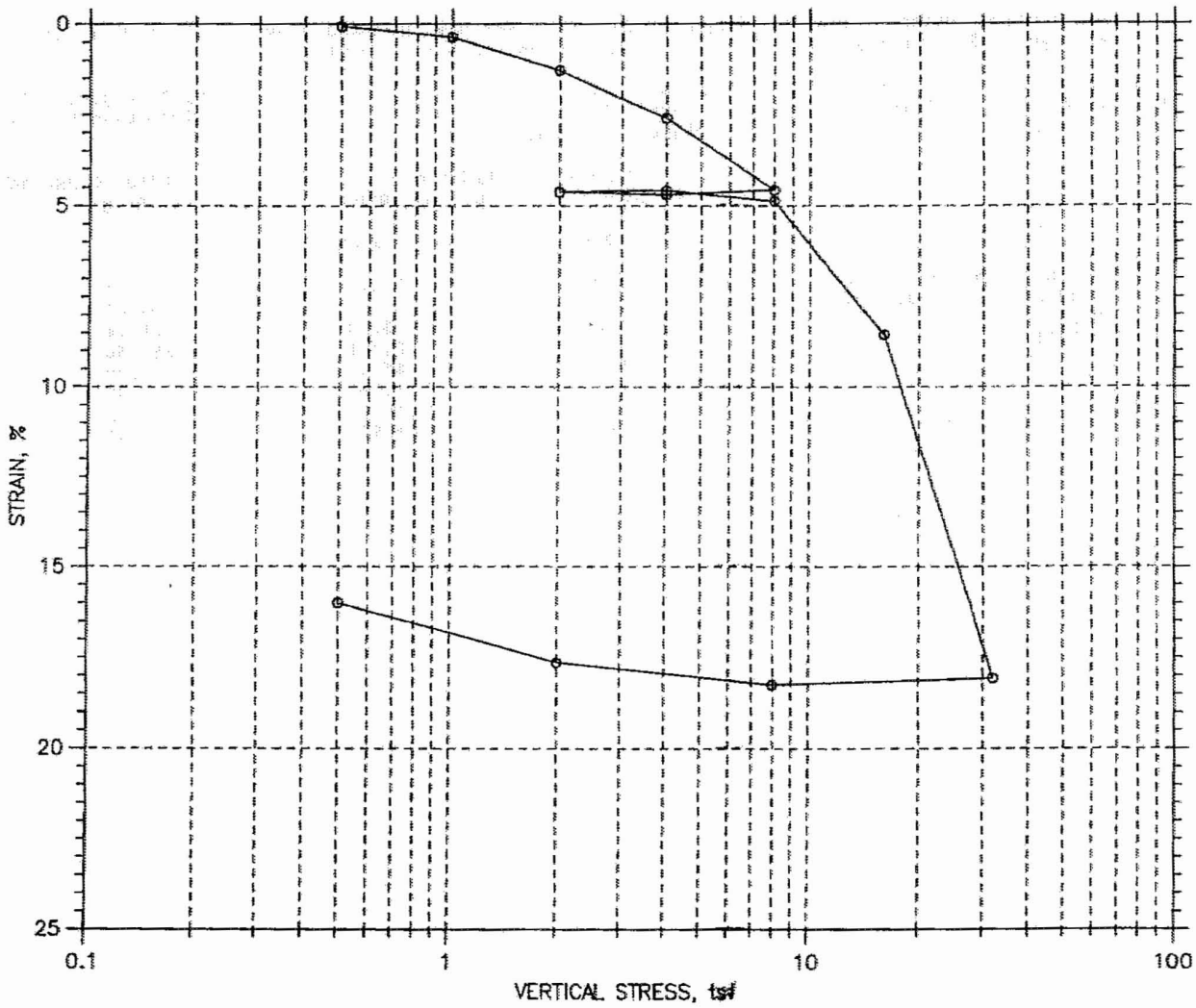


GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-420	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/09/06	Depth: 63.5-65.5'
	Test No.: C-7	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray clayey sand (SC), 19% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C - Compression Ratio: 0.13, Recompression Ratio: <0.01		

Thu, 09-NOV-2006 18:37:30

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	46.72	39.20
Preconsolidation Pressure: 11.5 tsf				Dry Unit Weight, pcf	68.5	81.54
Compression Index: ---				Saturation, %	86.37	99.19
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.46	1.07
LL: 74	PL: 18	PI: 56	GS: 2.70			

GeoTesting express, a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-423	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/08/06	Depth: 158.5-160.1
	Test No.: C-5	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray organic clay (OH), 88% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System P - Compression Ratio: 0.31, Recompression Ratio: 0.01		

Thu, 09-NOV-2006 18:40:06

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-423	Tested By: md	Checked By: jdt
Sample No.: S-35	Test Date: 09/08/06	Depth: 158.5-160.1
Test No.: C-5	Sample Type: tube	Elevation: ---

Soil Description: Moist, olive gray organic clay (OH), 88% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System P - Compression Ratio: 0.31, Recompression Ratio: 0.01

Measured Specific Gravity: 2.70	Liquid Limit: 74	Initial Height: 1.00 in
Initial Void Ratio: 1.46	Plastic Limit: 18	Specimen Diameter: 2.50 in
Final Void Ratio: 1.07	Plasticity Index: 56	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	968	RING		click 5
Wt. Container + Wet Soil, gm	123.99	238.65	232.01	130.25
Wt. Container + Dry Soil, gm	87.1	197.41	197.41	95.89
Wt. Container, gm	8.11	109.14	109.14	8.24
Wt. Dry Soil, gm	78.99	88.268	88.268	87.65
Water Content, %	46.70	46.72	39.20	39.20
Void Ratio	---	1.46	1.07	---
Degree of Saturation, %	---	86.37	99.19	---
Dry Unit Weight, pcf	---	68.503	81.543	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-423
Sample No.: S-35
Test No.: C-5

Location: Calvert County, MD
Tested By: md
Test Date: 09/08/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 158.5-160.1
Elevation: ---

Soil Description: Moist, olive gray organic clay (OH), 88% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System P - Compression Ratio: 0.31, Recompression Ratio: 0.01

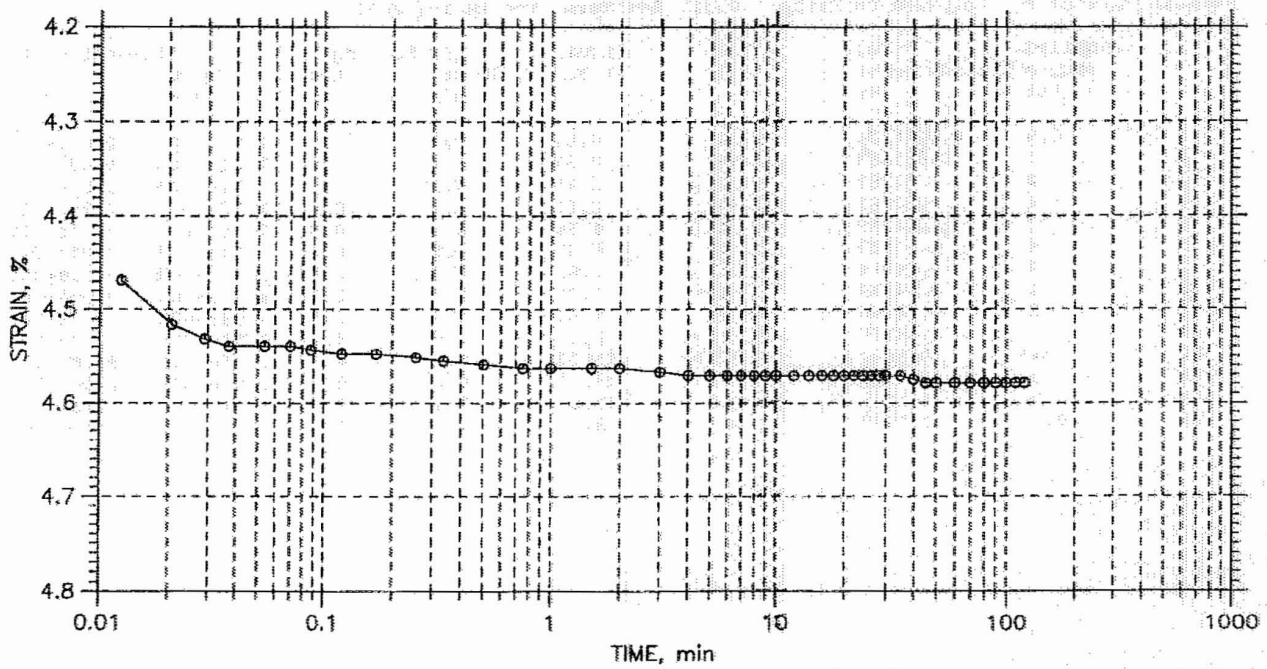
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.0006671	1.459	0.07	0.0	0.0	2.07e-002	0.00e+000	2.07e-002
2	1	0.003658	1.452	0.37	0.4	0.0	1.84e-003	0.00e+000	1.84e-003
3	2	0.01287	1.429	1.29	0.1	0.1	9.77e-003	1.58e-002	1.21e-002
4	4	0.0261	1.396	2.61	0.1	0.0	1.30e-002	2.19e-002	1.63e-002
5	8	0.04559	1.348	4.56	0.1	0.0	7.65e-003	2.01e-002	1.11e-002
6	4	0.04689	1.345	4.69	0.0	0.0	5.34e-002	0.00e+000	5.34e-002
7	2	0.04618	1.347	4.62	0.0	0.0	1.81e-002	0.00e+000	1.81e-002
8	4	0.04579	1.348	4.58	0.0	0.0	4.42e-002	0.00e+000	4.42e-002
9	8	0.04866	1.341	4.87	0.9	0.0	8.63e-004	0.00e+000	8.63e-004
10	16	0.08555	1.250	8.56	0.8	0.1	9.18e-004	6.92e-003	1.62e-003
11	32	0.1807	1.016	18.07	1.4	0.8	4.36e-004	8.18e-004	5.69e-004
12	8	0.1825	1.012	18.25	0.2	0.0	3.55e-003	0.00e+000	3.55e-003
13	2	0.1763	1.027	17.63	3.8	3.9	1.44e-004	1.43e-004	1.44e-004
14	0.5	0.1599	1.067	15.99	6.1	5.0	9.39e-005	1.14e-004	1.03e-004

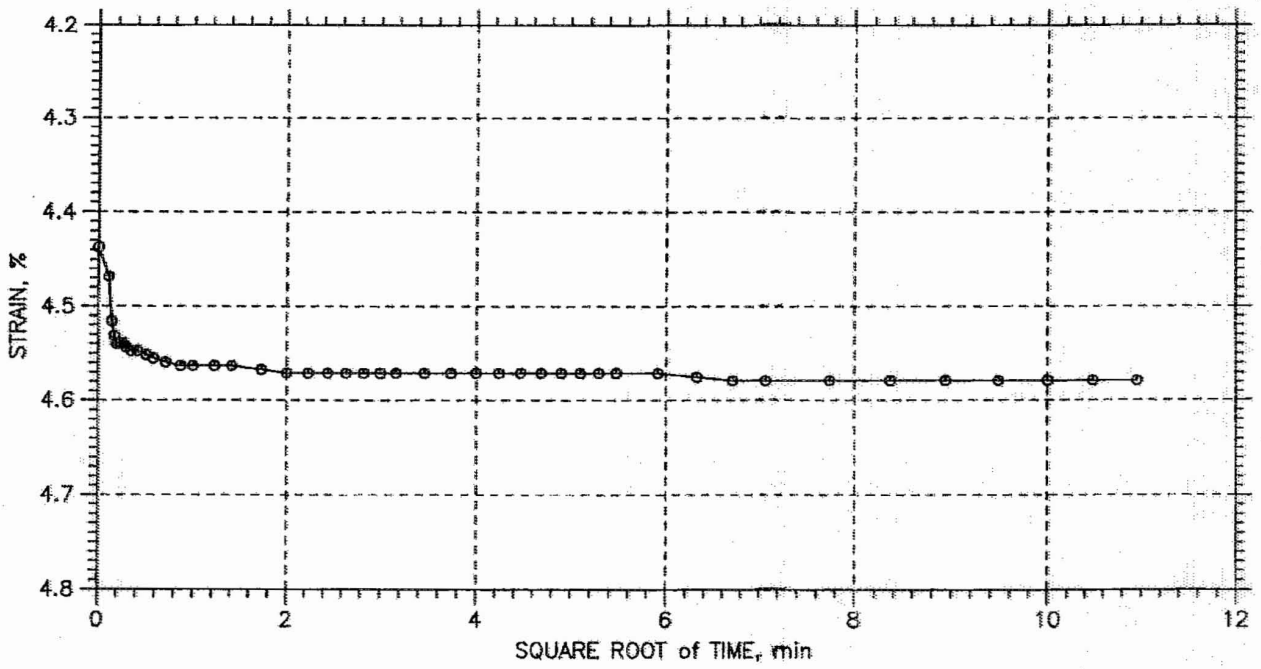
CONSOLIDATION TEST DATA

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-423	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/08/06	Depth: 158.5-160.1
	Test No.: C-5	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray organic clay (OH), 88% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System P - Compression Ratio: 0.31, Recompression Ratio: 0.01		

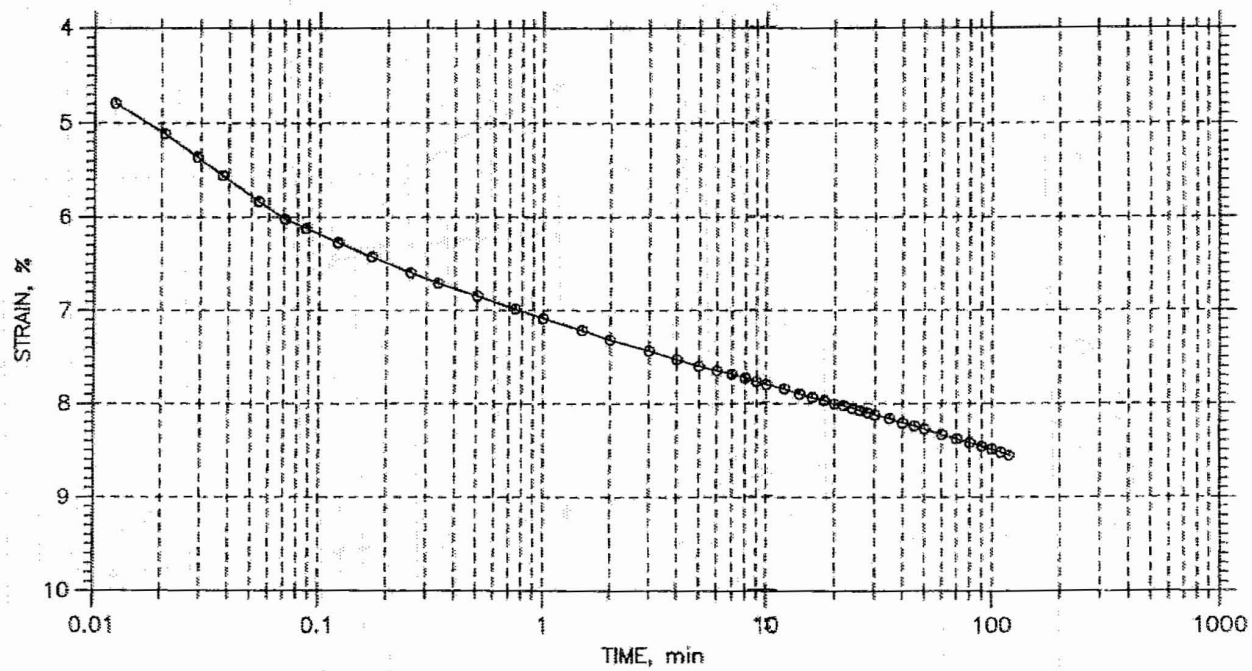
Thu, 09-NOV-2006 18:40:33

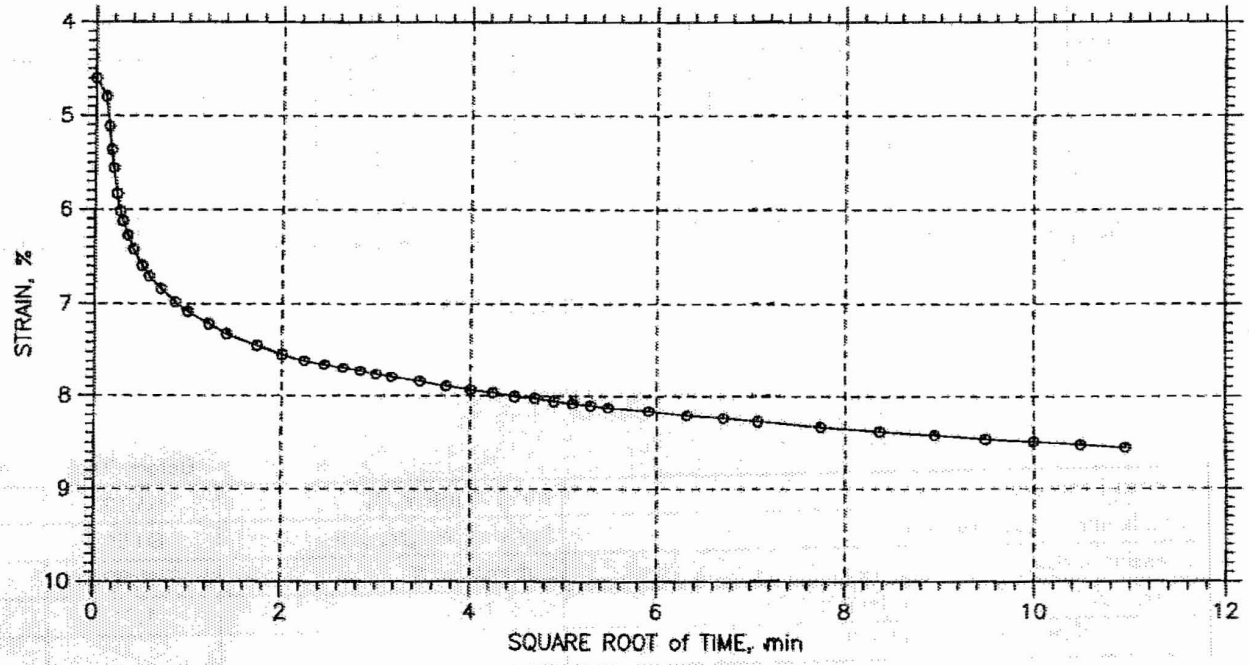
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

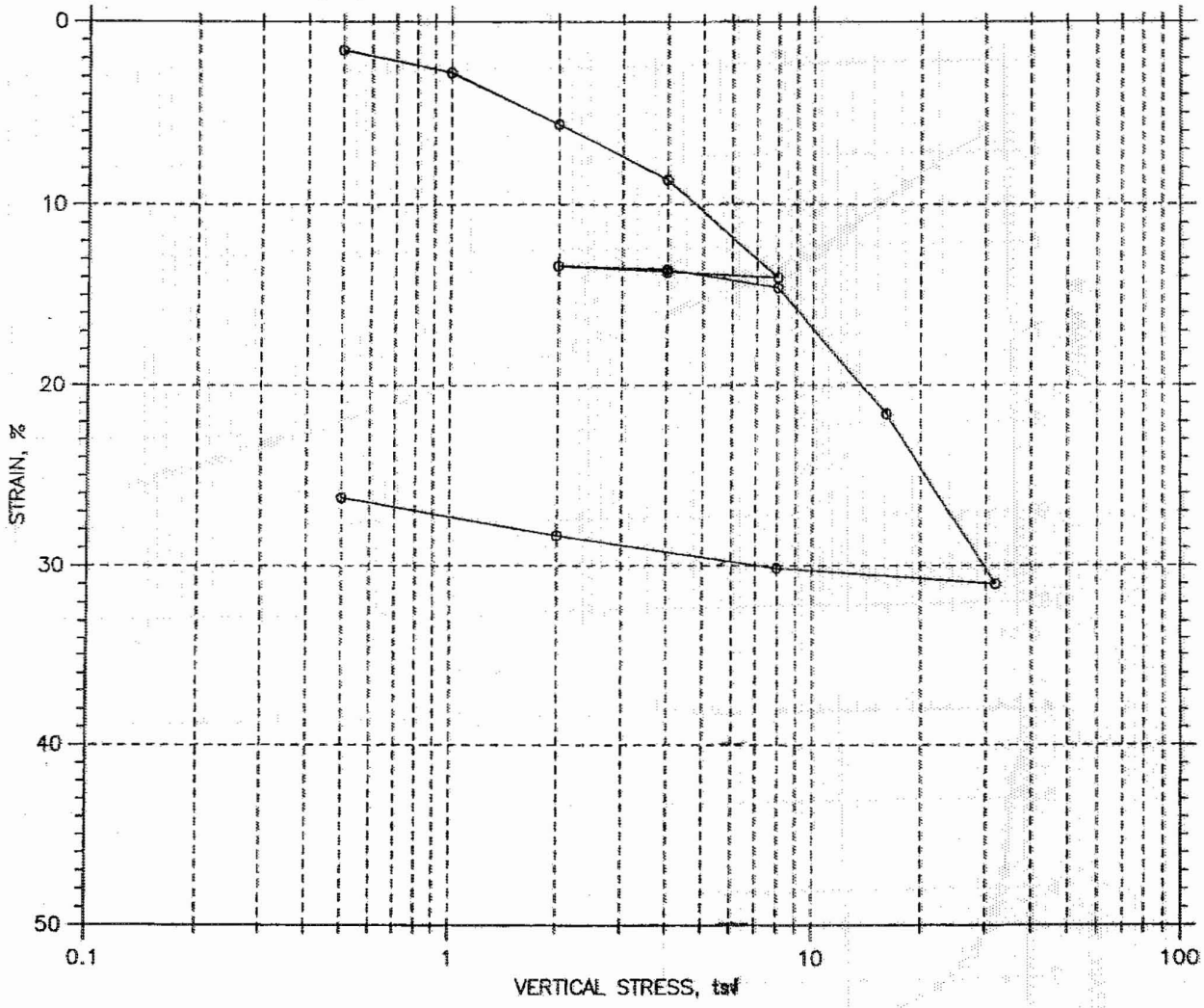




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-423	Tested By: md	Checked By: jdt
	Sample No.: S-35	Test Date: 09/08/06	Depth: 158.5-160.1
	Test No.: C-5	Sample Type: tube	Elevation: ---
	Description: Moist, olive gray organic clay (OH), 88% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System P - Compression Ratio: 0.31, Recompression Ratio: 0.01		

Thu, 09-NOV-2006 18:40:48

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	53.19	37.97
Preconsolidation Pressure: 7 tsf				Dry Unit Weight, pcf	60.59	82.14
Compression Index: ---				Saturation, %	81.82	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.71	1.00
LL: 64	PL: 34	PI: 30	GS: 2.63			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-423	Tested By: md	Checked By: jdt
	Sample No.: S-39	Test Date: 09/14/06	Depth: 178.5-179.8
	Test No.: C-11	Sample Type: tube	Elevation: ---
	Description: Moist, olive silty sand (SM), 46% passing #200 sieve, inundated at 0.5 tsf		
	Remarks: System C - Compressioin Ratio: 0.31, Recompression Ratio: 0.03		

Thu, 09-NOV-2006 18:45:07

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
Boring No.: B-423	Tested By: md	Checked By: jdt
Sample No.: S-39	Test Date: 09/14/06	Depth: 178.5-179.8
Test No.: C-11	Sample Type: tube	Elevation: ---

Soil Description: Moist, olive silty sand (SM), 46% passing #200 sieve, inundated at 0.5 tsf
Remarks: System C - Compressioin Ratio: 0.31, Recompression Ratio: 0.03

Measured Specific Gravity: 2.63	Liquid Limit: 64	Initial Height: 1.00 in
Initial Void Ratio: 1.71	Plastic Limit: 34	Specimen Diameter: 2.50 in
Final Void Ratio: 1.00	Plasticity Index: 30	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1547	RING		1524
Wt. Container + Wet Soil, gm	239.77	336.55	324.67	121.65
Wt. Container + Dry Soil, gm	169.71	295.02	295.02	90.56
Wt. Container, gm	8.28	216.95	216.95	8.69
Wt. Dry Soil, gm	161.43	78.072	78.072	81.87
Water Content, %	43.40	53.19	37.97	37.97
Void Ratio	---	1.71	1.00	---
Degree of Saturation, %	---	81.02	100.00	---
Dry Unit Weight, pcf	---	60.59	82.144	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-423
Sample No.: S-39
Test No.: C-11

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

Project No.: GTX-6880
Checked By: jdt
Depth: 178.5-179.8
Elevation: ---

Soil Description: Moist, olive silty sand (SM), 46% passing #200 sieve, inundated at 0.5 tsf
Remarks: System C - Compressioin Ratio: 0.31, Recompression Ratio: 0.03

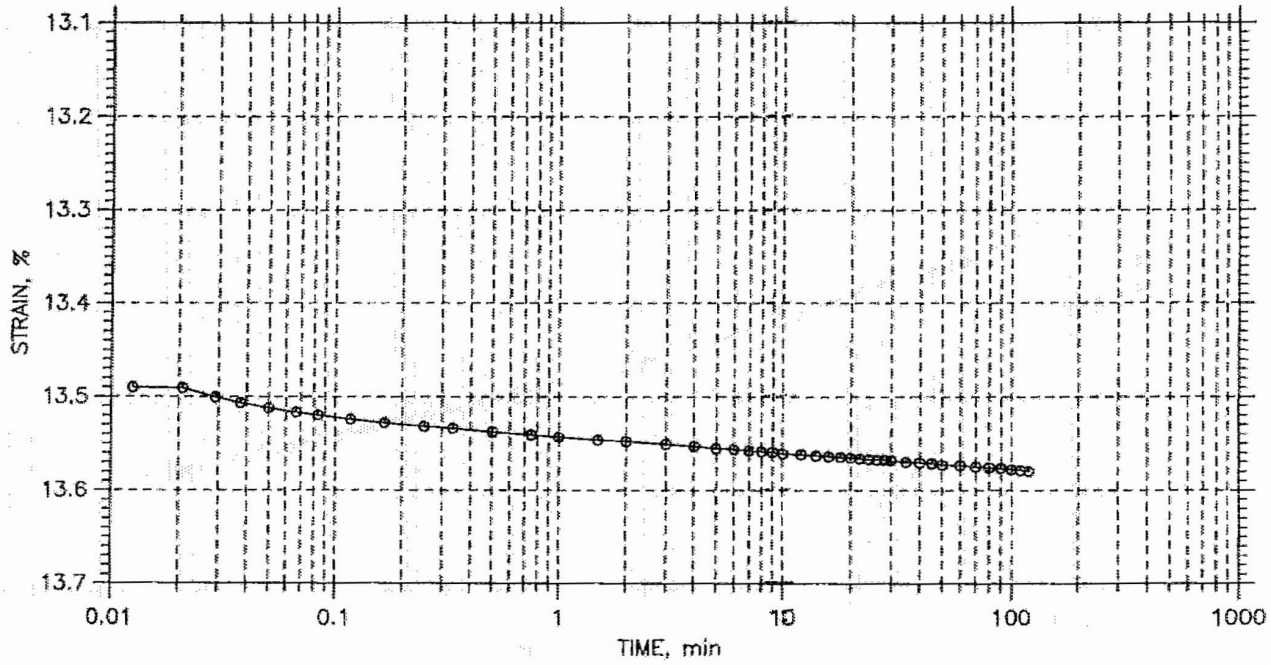
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.0157	1.667	1.57	0.0	0.0	2.58e-002	0.00e+000	2.58e-002
2	1	0.02806	1.634	2.81	0.0	0.0	1.67e-002	2.76e-002	2.08e-002
3	2	0.05614	1.558	5.61	0.0	0.0	2.16e-002	2.65e-002	2.38e-002
4	4	0.08646	1.475	8.65	0.1	0.0	7.10e-003	3.11e-002	1.16e-002
5	8	0.1402	1.330	14.02	0.1	0.0	9.80e-003	3.13e-002	1.49e-002
6	4	0.1372	1.338	13.72	0.0	0.0	9.60e-002	0.00e+000	9.60e-002
7	2	0.1338	1.347	13.38	0.0	0.0	7.95e-002	0.00e+000	7.95e-002
8	4	0.1358	1.342	13.58	0.0	0.0	1.03e-001	0.00e+000	1.03e-001
9	8	0.1458	1.315	14.58	0.8	0.0	7.86e-004	0.00e+000	7.86e-004
10	16	0.2159	1.125	21.59	0.2	0.0	2.85e-003	2.14e-002	5.03e-003
11	32	0.31	0.870	31.00	0.9	0.6	5.24e-004	7.24e-004	6.08e-004
12	8	0.3012	0.893	30.12	0.0	0.0	3.41e-002	0.00e+000	3.41e-002
13	2	0.2833	0.942	28.33	1.2	0.0	3.48e-004	0.00e+000	3.48e-004
14	0.5	0.2624	0.999	26.24	6.1	6.4	7.18e-005	6.83e-005	7.00e-005

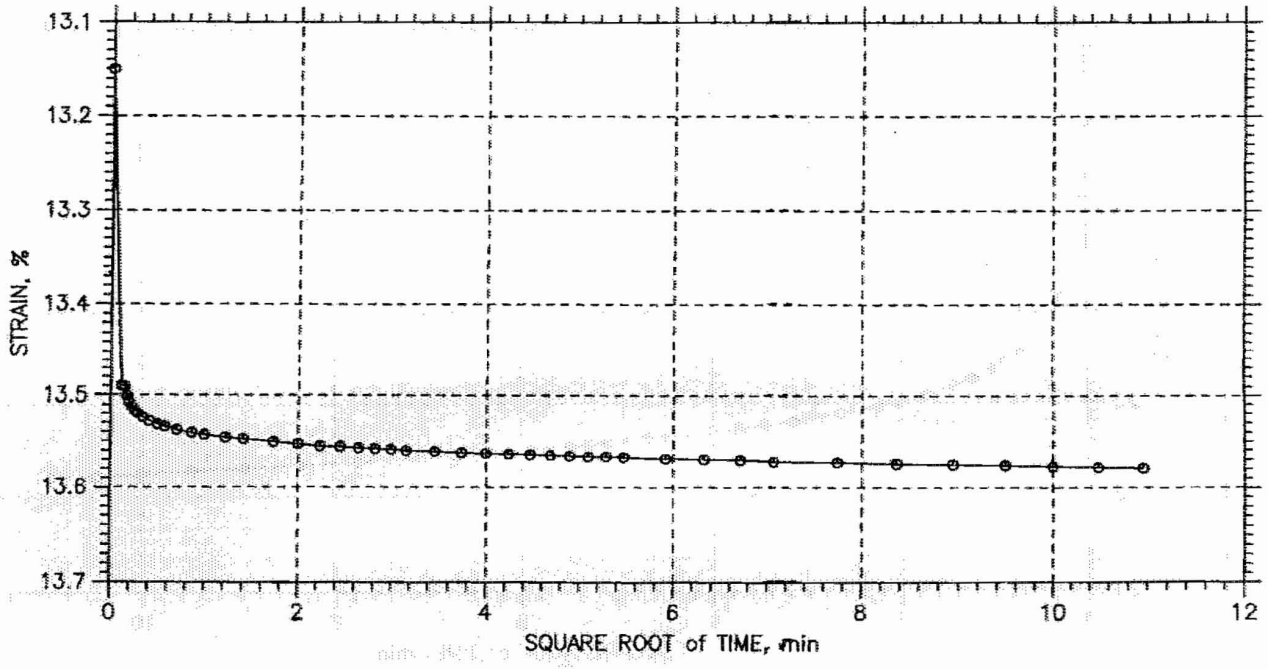
CONSOLIDATION TEST DATA

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-423	Tested By: md	Checked By: jdt
	Sample No.: S-39	Test Date: 09/14/06	Depth: 178.5-179.8
	Test No.: C-11	Sample Type: tube	Elevation: ---
	Description: Moist, olive silty sand (SM), 46% passing #200 sieve, inundated at 0.5 tsf		
	Remarks: System C - Compressioin Ratio: 0.31, Recompression Ratio: 0.03		

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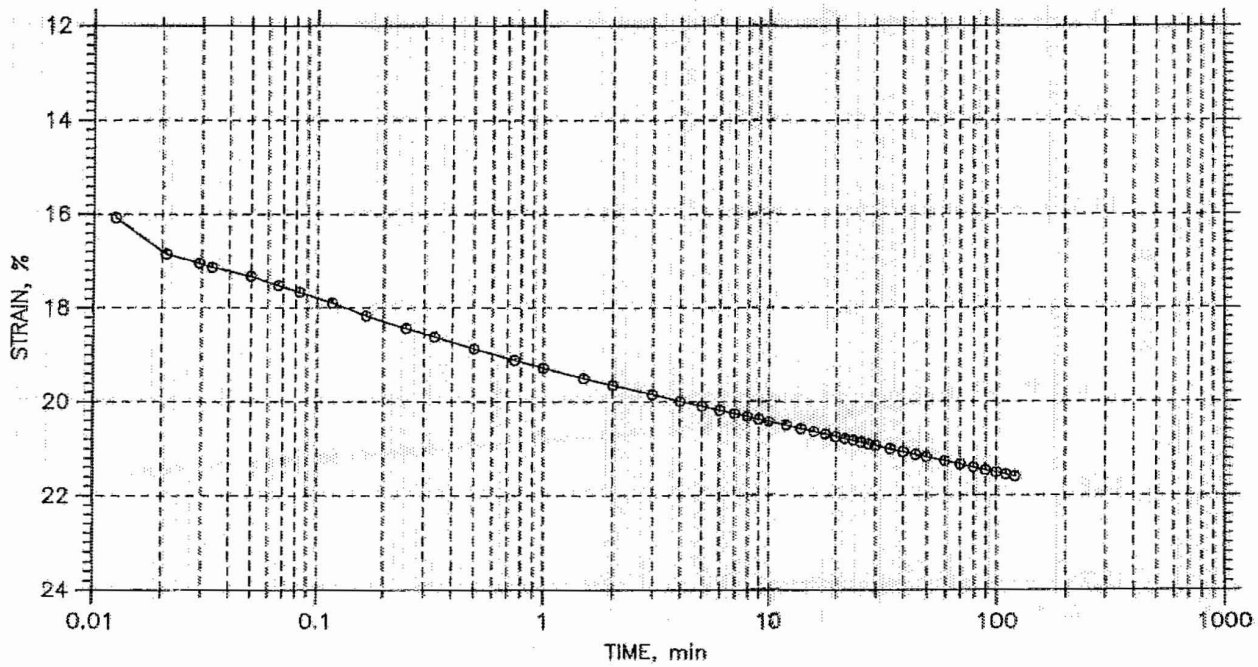
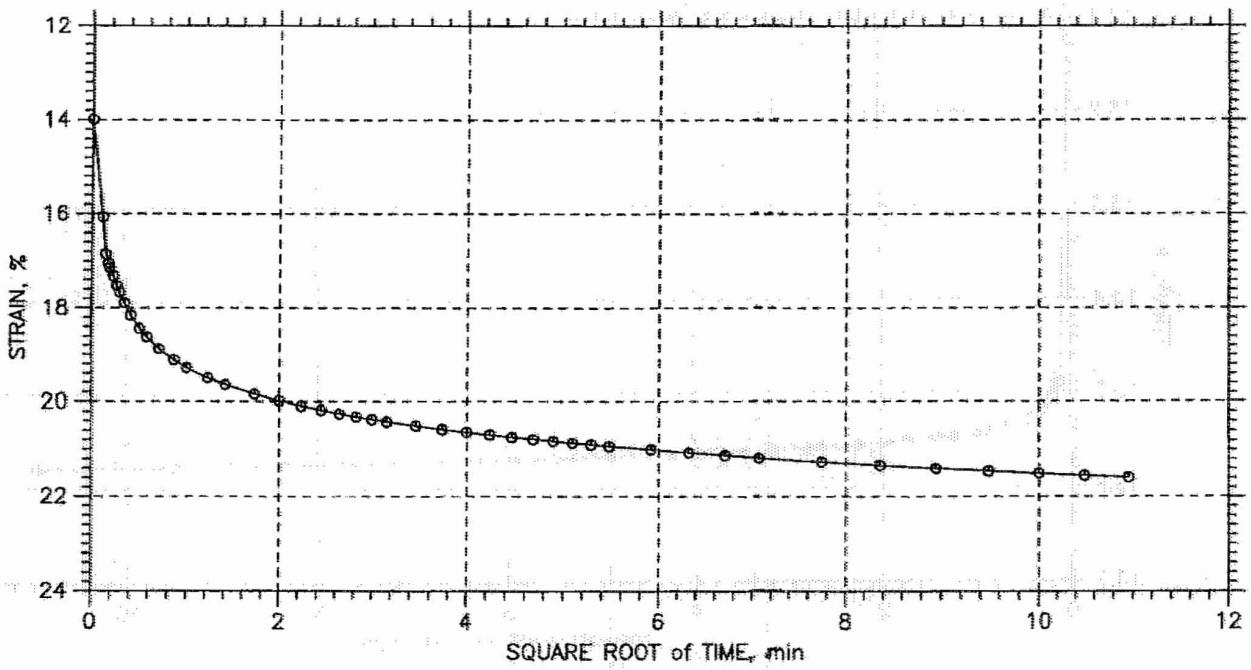
CONSOLIDATION TEST DATA

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-423	Tested By: md	Checked By: jdt
	Sample No.: S-39	Test Date: 09/14/06	Depth: 178.5-179.8
	Test No.: C-11	Sample Type: tube	Elevation: ---
	Description: Moist, olive silty sand (SM), 46% passing #200 sieve, inundated at 0.5 tsf		
	Remarks: System C - Compressioin Ratio: 0.31, Recompression Ratio: 0.03		

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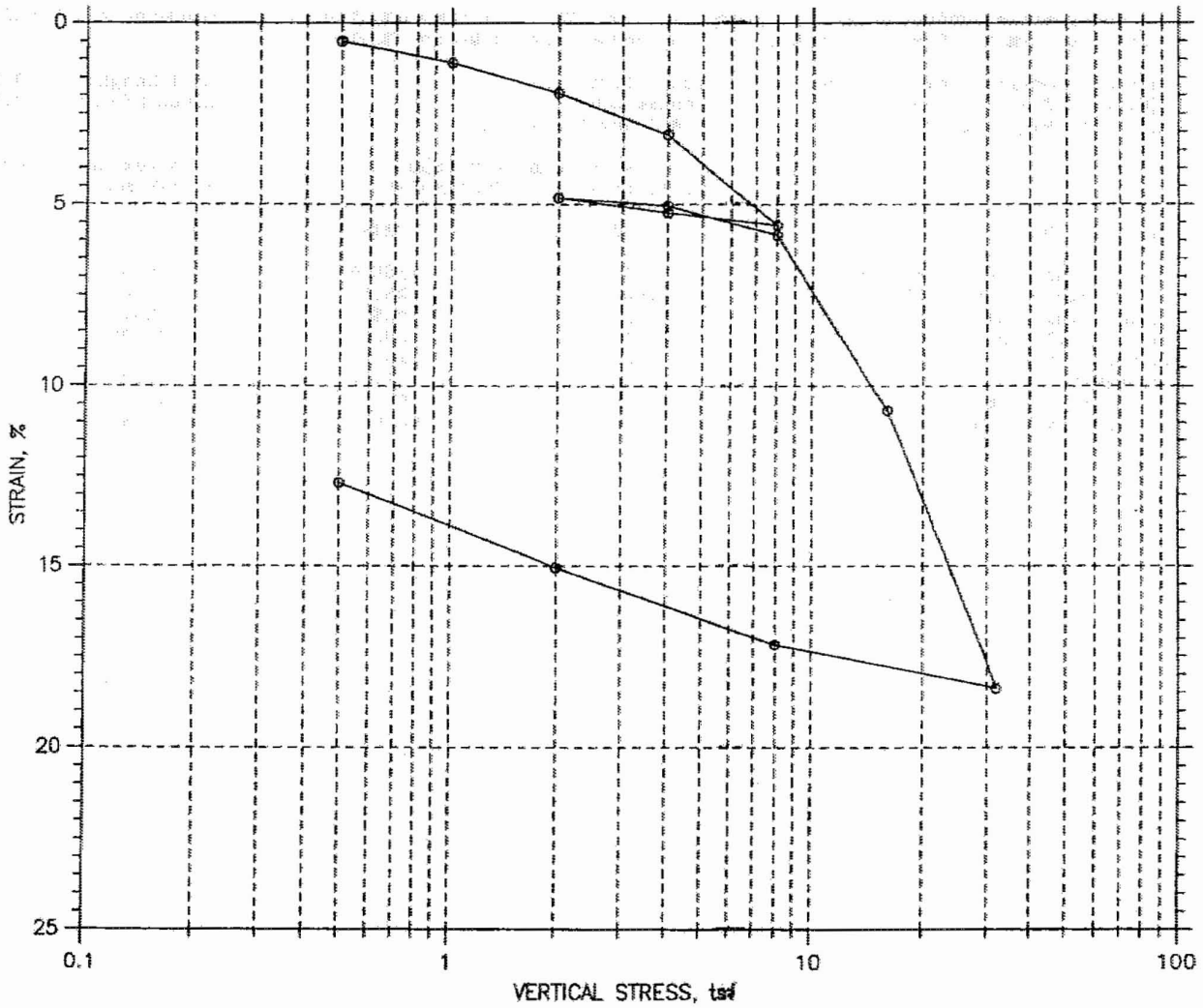
CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	36.49	27.97
Preconsolidation Pressure: 8.7 tsf				Dry Unit Weight, pcf	84.55	96.84
Compression Index: ---				Saturation, %	97.72	99.99
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.02	0.77
LL: 56	PL: 18	PI: 38	GS: 2.74			

GeoTesting express, a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-427	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/25/06	Depth: 63.5-65.5
	Test No.: C-29A	Sample Type: tube	Elevation: ---
	Description: Moist, black sandy organic clay (OH), 61% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C - Compression Ratio: 0.26, 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-427	Tested By: md	Checked By: jdt
Sample No.: S-16	Test Date: 09/25/06	Depth: 63.5-65.5
Test No.: C-29A	Sample Type: tube	Elevation: ---

Soil Description: Moist, black sandy organic clay (OH), 61% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System C - Compression Ratio: 0.26, Recompression Ratio: 0.03

Measured Specific Gravity: 2.74	Liquid Limit: 56	Initial Height: 1.00 in
Initial Void Ratio: 1.02	Plastic Limit: 18	Specimen Diameter: 2.50 in
Final Void Ratio: 0.77	Plasticity Index: 38	

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	2023	RING		henry 05
Wt. Container + Wet Soil, gm	213.54	365.6	356.32	149.06
Wt. Container + Dry Soil, gm	162.74	325.85	325.85	118.26
Wt. Container, gm	8.17	216.9	216.9	8.14
Wt. Dry Soil, gm	154.57	108.95	108.95	110.12
Water Content, %	32.87	36.49	27.97	27.97
Void Ratio	---	1.02	0.77	---
Degree of Saturation, %	---	97.72	99.99	---
Dry Unit Weight, pcf	---	84.553	96.836	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-427
Sample No.: S-16
Test No.: C-29A

Location: Calvert County, MD
Tested By: md
Test Date: 09/25/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 63.5-65.5
Elevation: ---

Soil Description: Moist, black sandy organic clay (OH), 61% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System C - Compression Ratio: 0.26, Recompression Ratio: 0.03

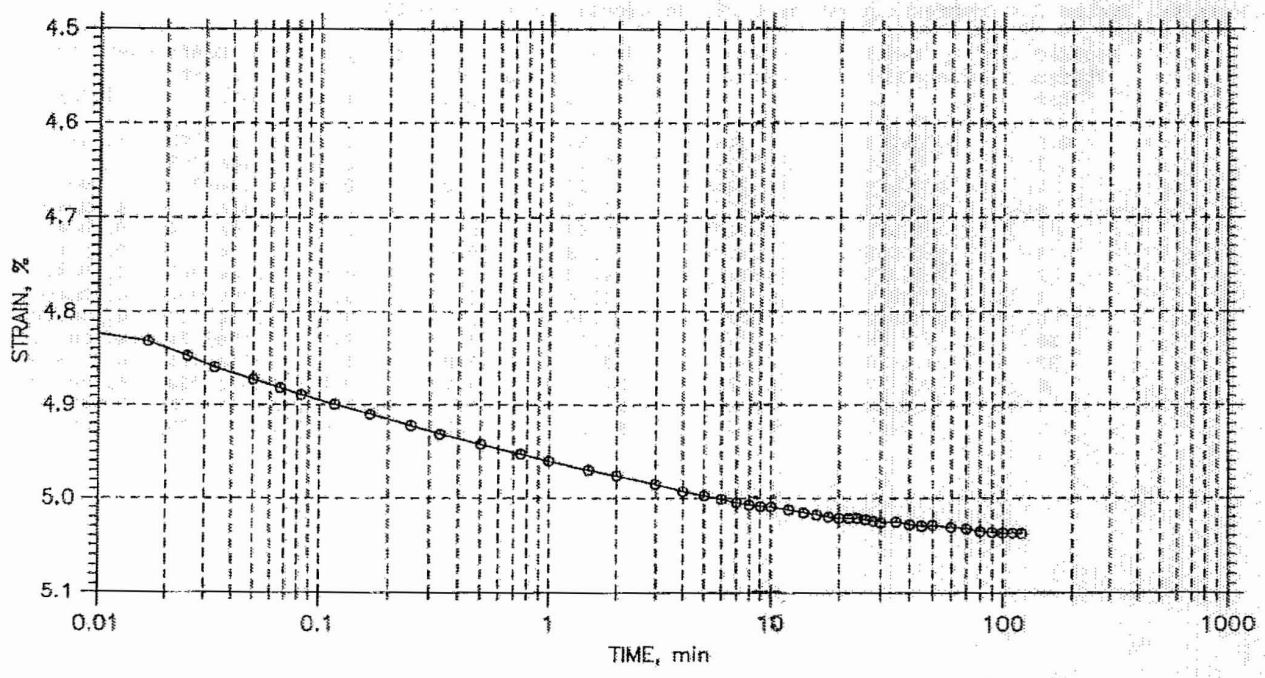
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.005058	1.013	0.51	0.0	0.0	4.20e-002	3.46e-002	3.79e-002
2	1	0.011	1.001	1.10	0.2	0.0	4.14e-003	3.43e-002	7.39e-003
3	2	0.01927	0.984	1.93	0.2	0.0	4.03e-003	4.88e-002	7.44e-003
4	4	0.03073	0.961	3.07	0.2	0.0	3.86e-003	4.08e-002	7.06e-003
5	8	0.05571	0.910	5.57	0.9	0.0	8.76e-004	0.00e+000	8.76e-004
6	4	0.05225	0.917	5.23	0.0	0.0	1.36e-001	0.00e+000	1.36e-001
7	2	0.04824	0.925	4.82	0.4	0.0	1.78e-003	0.00e+000	1.78e-003
8	4	0.05038	0.921	5.04	0.0	0.0	2.20e-002	0.00e+000	2.20e-002
9	8	0.05851	0.905	5.85	0.3	0.0	2.45e-003	0.00e+000	2.45e-003
10	16	0.1068	0.807	10.68	2.9	3.2	2.40e-004	2.16e-004	2.28e-004
11	32	0.1838	0.651	18.38	7.0	8.9	8.53e-005	6.77e-005	7.55e-005
12	8	0.1717	0.676	17.17	0.1	0.0	1.07e-002	4.89e-002	1.75e-002
13	2	0.1504	0.719	15.04	6.8	0.0	8.54e-005	0.00e+000	8.54e-005
14	0.5	0.1268	0.766	12.68	39.8	0.0	1.53e-005	0.00e+000	1.53e-005

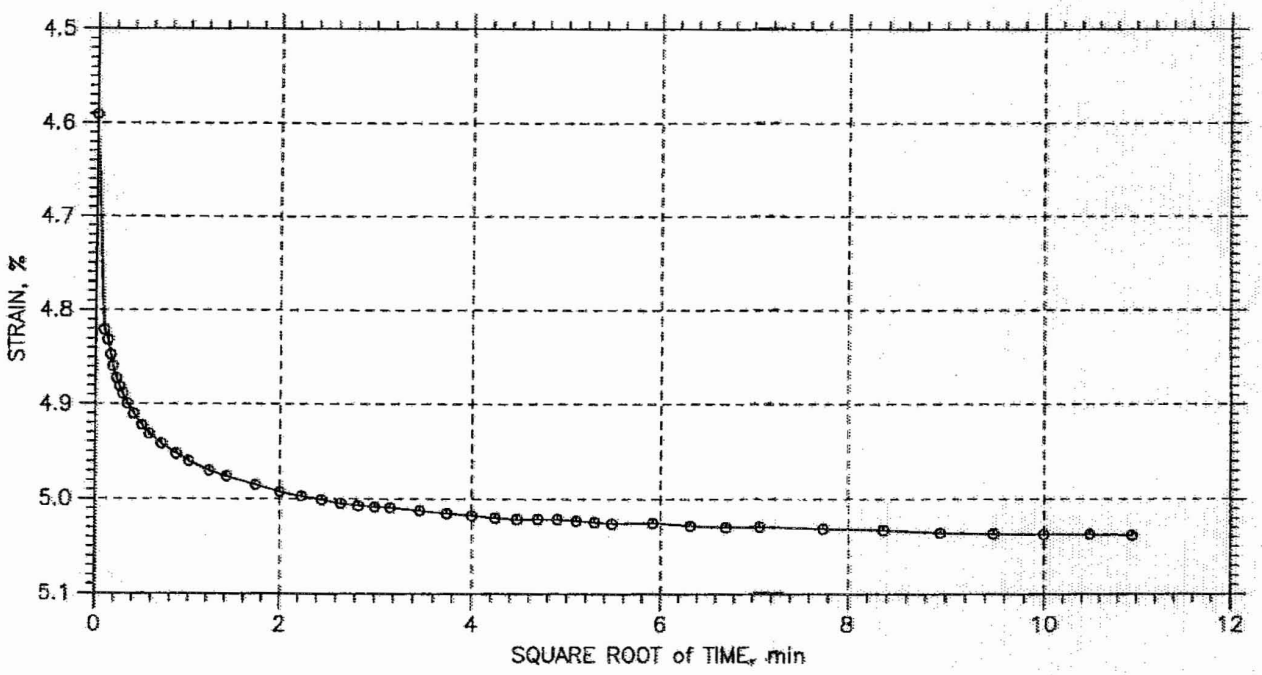
CONSOLIDATION TEST DATA

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-427	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/25/06	Depth: 63.5-65.5
	Test No.: C-29A	Sample Type: tube	Elevation: ---
	Description: Moist, black sandy organic clay (OH), 61% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C - Compression Ratio: 0.26, Recompression Ratio: 0.03		

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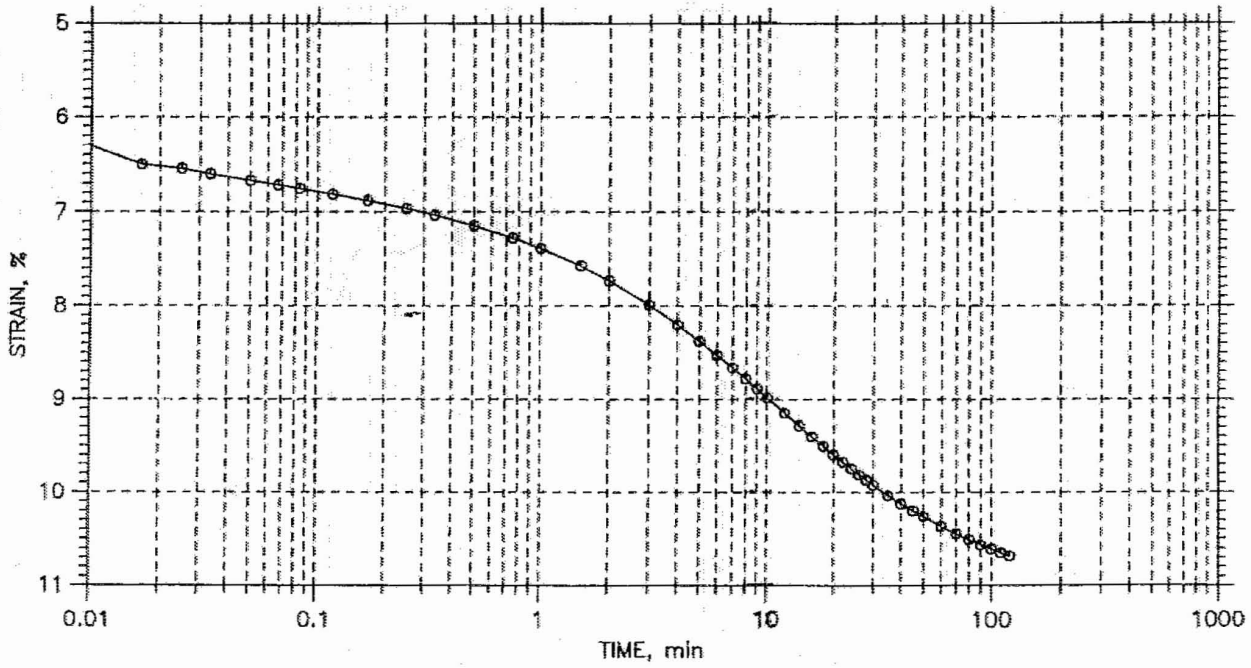
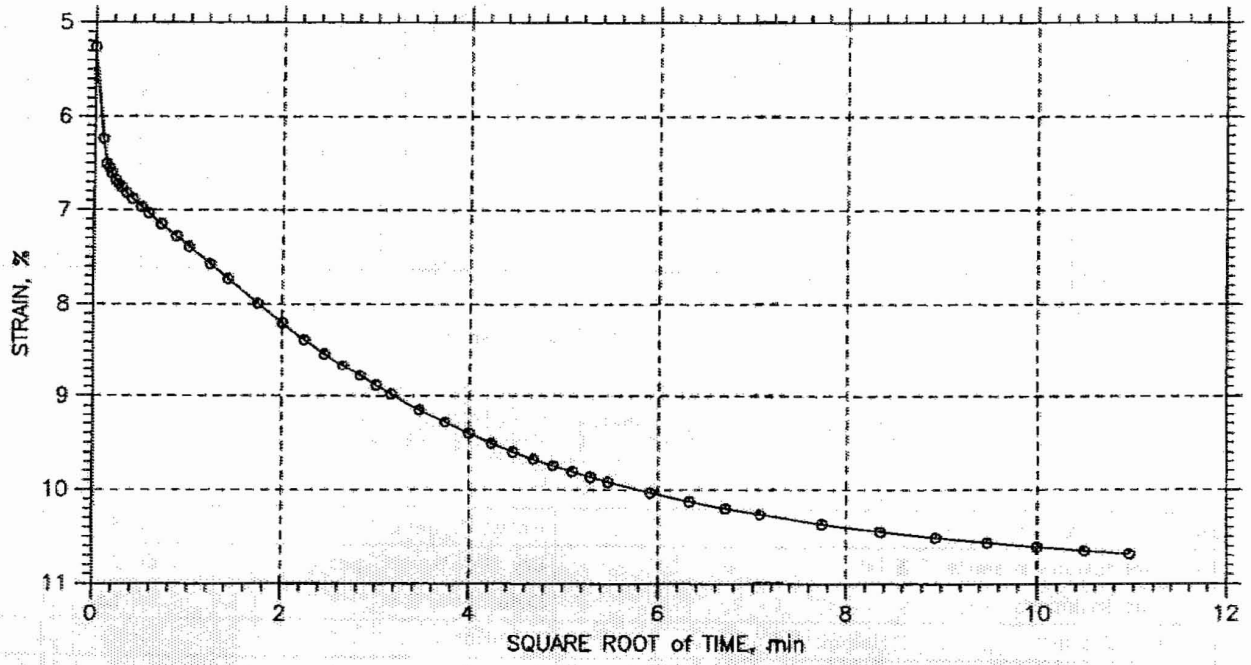
CONSOLIDATION TEST DATA

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-427	Tested By: md	Checked By: jdt
	Sample No.: S-16	Test Date: 09/25/06	Depth: 63.5-65.5
	Test No.: C-29A	Sample Type: tube	Elevation: ---
	Description: Moist, black sandy organic clay (OH), 61% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System C - Compression Ratio: 0.26, Recompression Ratio: 0.03		

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