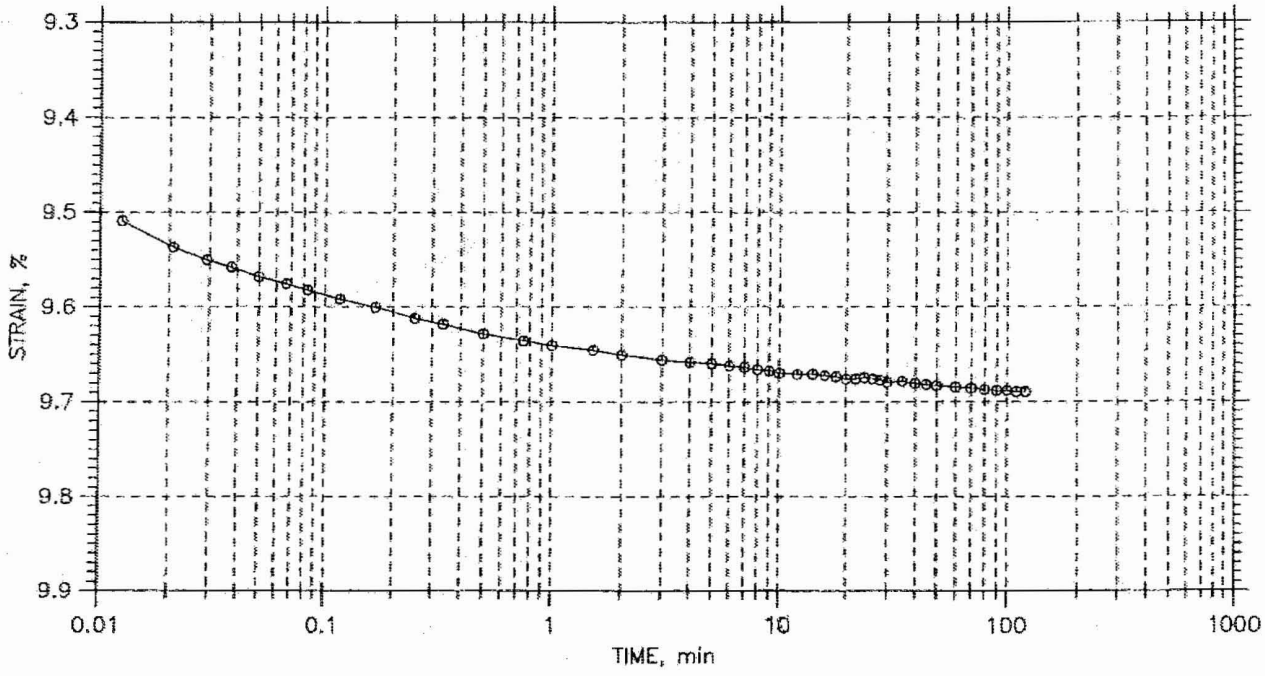
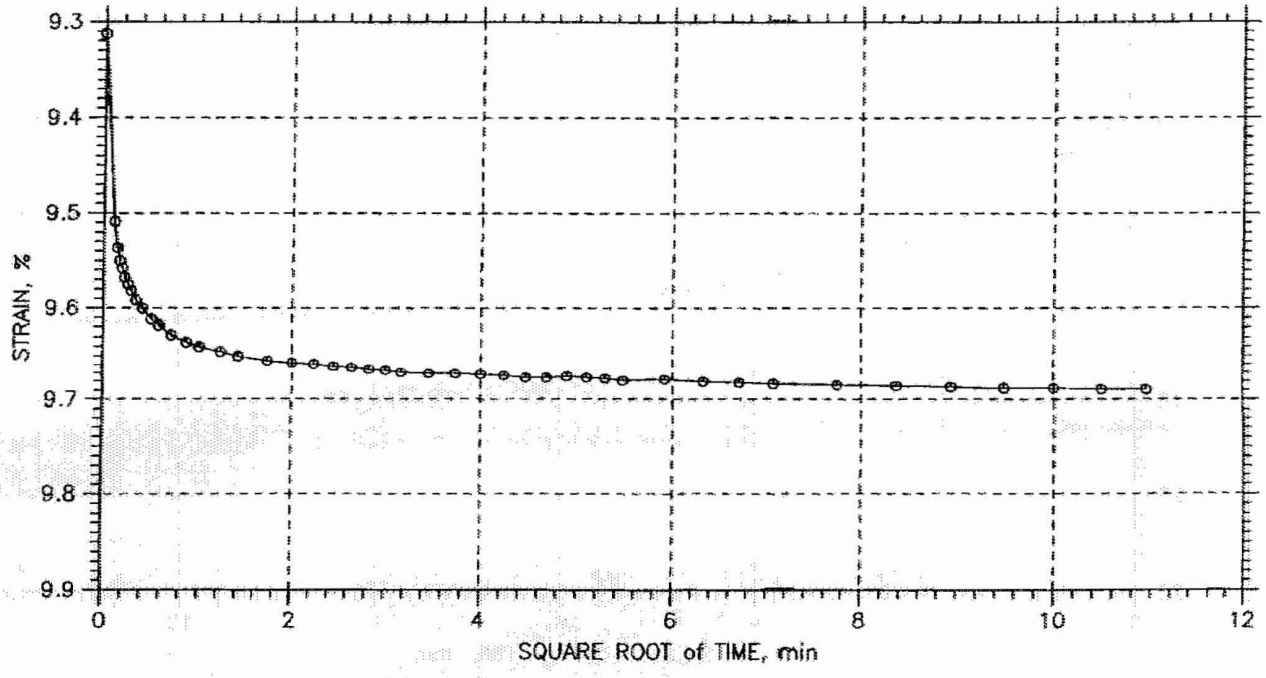
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf





GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs	Location: MD	Project No.: GTX-6880
	Boring No.: B-723	Tested By: md	Checked By: njh
	Sample No.: UD-2	Test Date: 09/16/06	Depth: 38.5-40.5
	Test No.: C-17	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay (CH), 95% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.24, Recompression Ratio: 0.03		

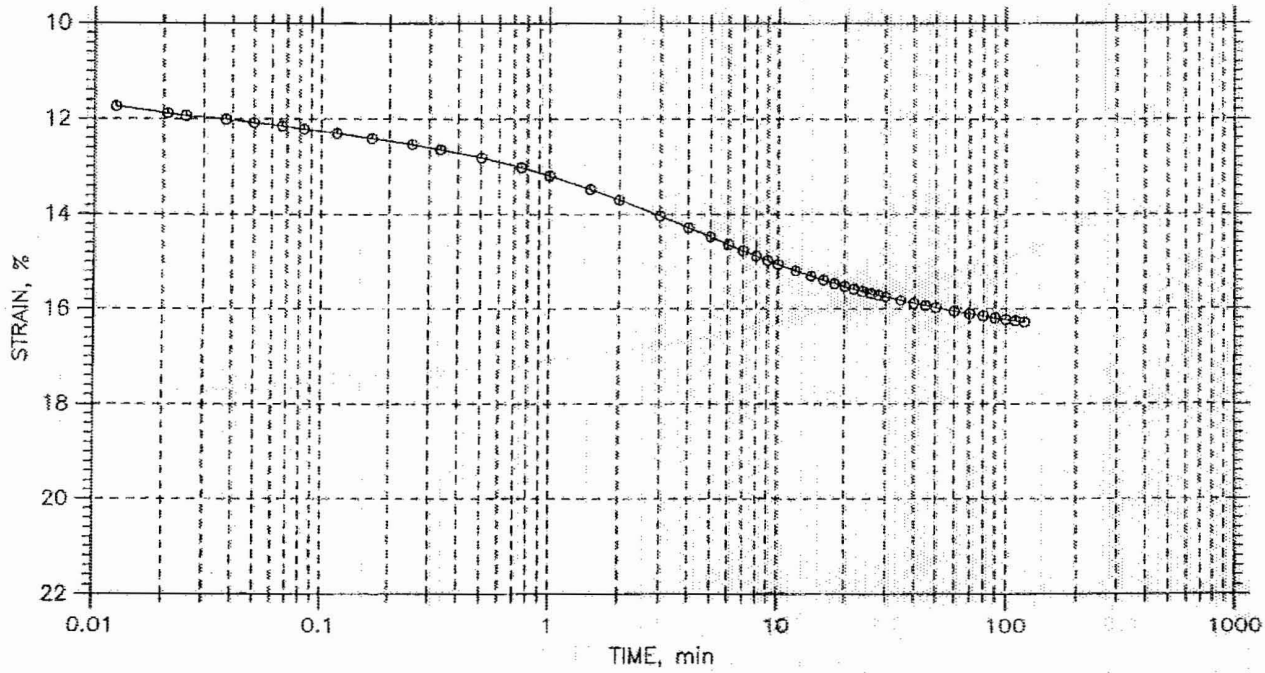
Wed, 15-NOV-2006 18:45:27

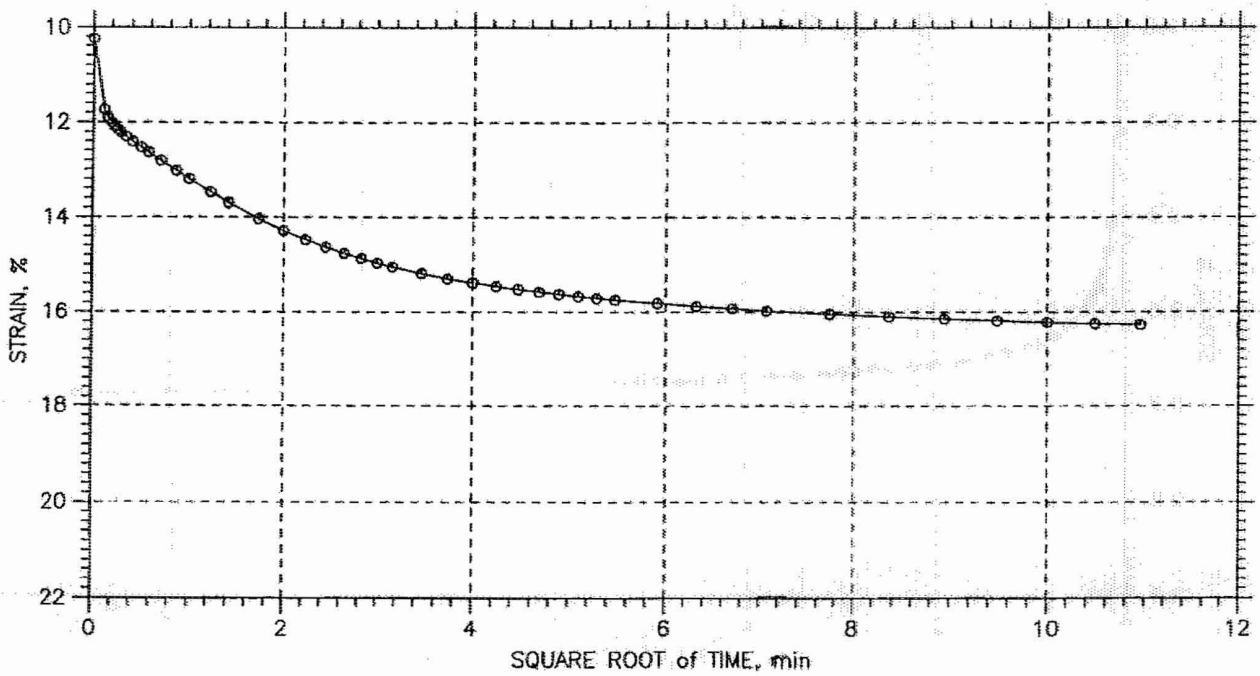
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf



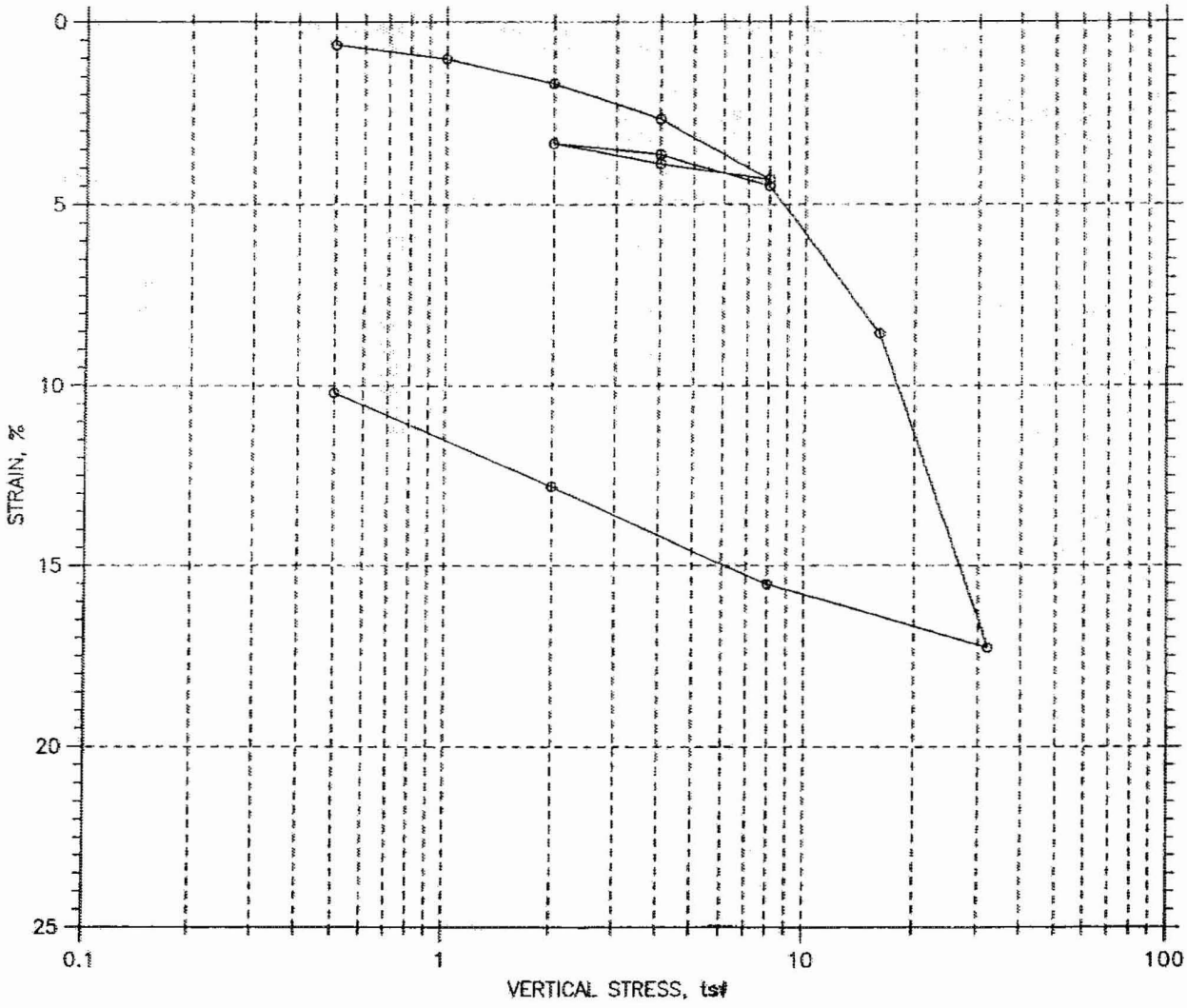


GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs	Location: MD	Project No.: GTX-6880
	Boring No.: B-723	Tested By: md	Checked By: njh
	Sample No.: UD-2	Test Date: 09/16/06	Depth: 38.5-40.5
	Test No.: C-17	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay (CH), 95% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System G - Compression Ratio: 0.24, Recompression Ratio: 0.03		

Wed, 15-NOV-2006 18:45:36

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	38.08	30.15
Preconsolidation Pressure: 12 tsf				Dry Unit Weight, pcf	84.95	94.59
Compression Index: ---				Saturation, %	101.16	99.99
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.05	0.84
LL: 56	PL: 18	PI: 38	GS: 2.79			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-729	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 68.5-70.0
	Test No.: C-25	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray organic clay (OH), 93% passing#200 sieve, inundated@0.5 tsf		
	Remarks: System G - Compression Ratio: 0.29, Recompression Ratio: 0.04		

Tue, 14-NOV-2006 18:36:36

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-729
Sample No.: UD-1
Test No.: C-25

Location: Calvert County, MD
Tested By: md
Test Date: 09/20/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 68.5-70.0
Elevation: ---

Soil Description: Moist, dark greenish gray organic clay (OH), 93% passing#200 sieve, inundated@0.5 tsf
Remarks: System G - Compression Ratio: 0.29, Recompression Ratio: 0.04

Measured Specific Gravity: 2.79
Initial Void Ratio: 1.05
Final Void Ratio: 0.84

Liquid Limit: 56
Plastic Limit: 18
Plasticity Index: 38

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1511	RING		free willy
Wt. Container + Wet Soil, gm	121.86	367.6	358.92	154.46
Wt. Container + Dry Soil, gm	93.71	325.91	325.91	120.57
Wt. Container, gm	8.08	216.45	216.45	8.17
Wt. Dry Soil, gm	85.63	109.46	109.46	112.4
Water Content, %	32.87	38.08	30.15	30.15
Void Ratio	---	1.05	0.84	---
Degree of Saturation, %	---	101.16	99.99	---
Dry Unit Weight, pcf	---	84.954	94.595	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-729
Sample No.: UD-1
Test No.: C-25

Location: Calvert County, MD
Tested By: md
Test Date: 09/20/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 68.5-70.0
Elevation: ---

Soil Description: Moist, dark greenish gray organic clay (OH), 93% passing#200 sieve, inundated@0.5 tsf
Remarks: System G - Compression Ratio: 0.29, Recompression Ratio: 0.04

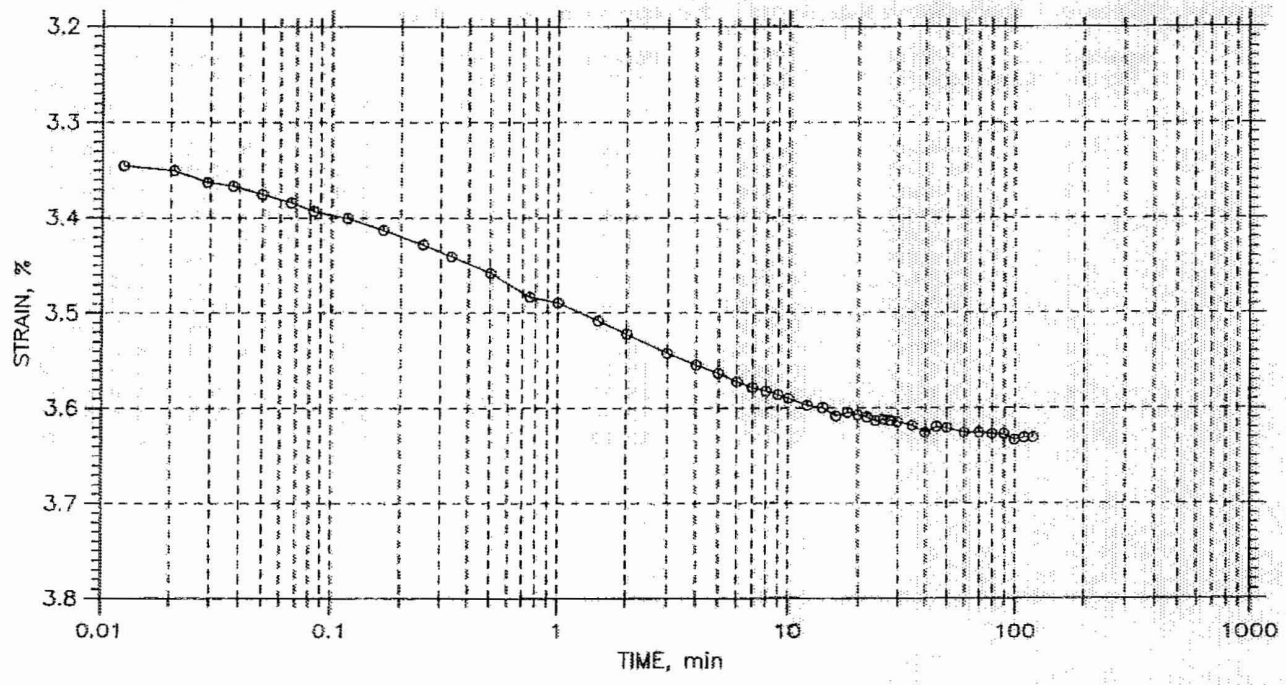
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.006284	1.037	0.63	0.0	0.0	4.47e-002	0.00e+000	4.47e-002
2	1	0.0102	1.029	1.02	0.2	0.0	3.66e-003	0.00e+000	3.66e-003
3	2	0.01692	1.016	1.69	0.4	0.0	1.91e-003	0.00e+000	1.91e-003
4	4	0.02667	0.996	2.67	0.4	0.0	1.81e-003	0.00e+000	1.81e-003
5	8	0.04311	0.962	4.31	1.3	0.0	5.76e-004	0.00e+000	5.76e-004
6	4	0.03885	0.971	3.88	0.4	0.0	1.80e-003	0.00e+000	1.80e-003
7	2	0.03345	0.982	3.35	1.6	0.0	4.87e-004	0.00e+000	4.87e-004
8	4	0.03631	0.976	3.63	0.3	0.0	2.37e-003	0.00e+000	2.37e-003
9	8	0.04487	0.958	4.49	0.9	0.9	8.25e-004	8.75e-004	8.50e-004
10	16	0.0854	0.875	8.54	5.5	8.6	1.31e-004	8.31e-005	1.02e-004
11	32	0.1727	0.696	17.27	21.0	20.7	2.97e-005	3.01e-005	2.99e-005
12	8	0.1551	0.732	15.51	2.2	0.0	2.58e-004	0.00e+000	2.58e-004
13	2	0.128	0.788	12.80	16.0	0.0	3.79e-005	0.00e+000	3.79e-005
14	0.5	0.1019	0.841	10.19	56.7	0.0	1.14e-005	0.00e+000	1.14e-005

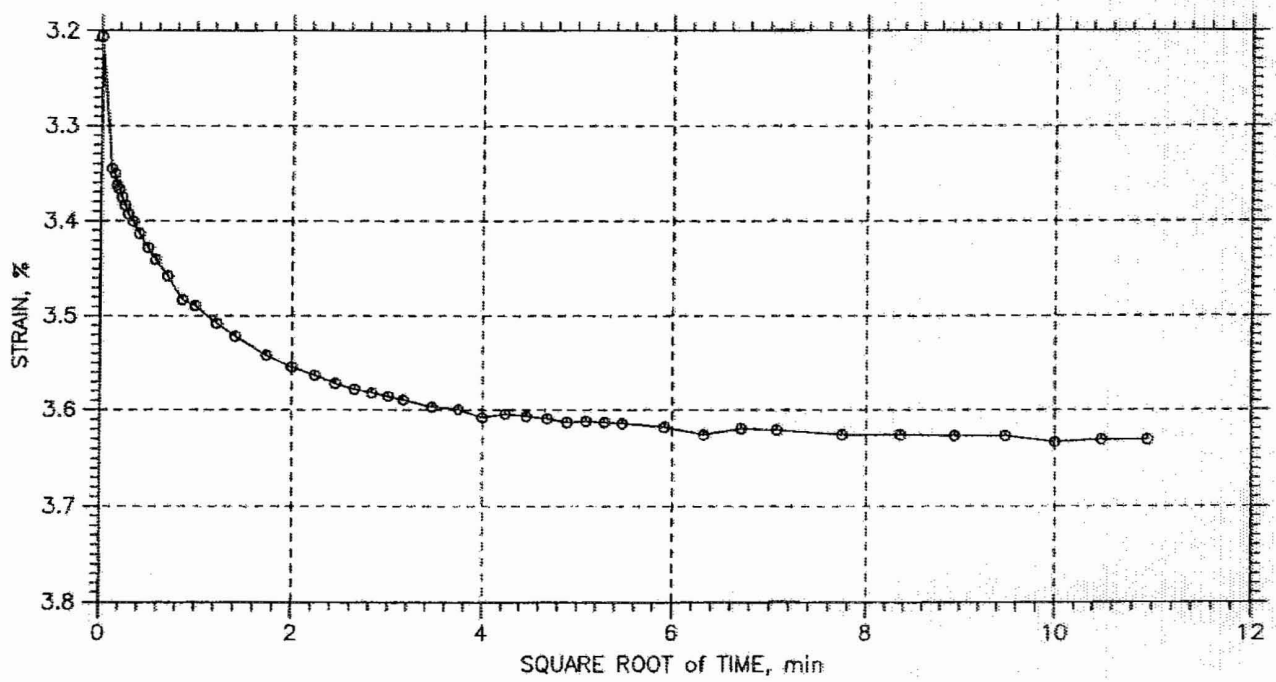
CONSOLIDATION TEST DATA

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-729	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 68.5-70.0
	Test No.: C-25	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray organic clay (OH), 93% passing#200 sieve, inundated@0.5 tsf		
	Remarks: System G - Compression Ratio: 0.29, Recompression Ratio: 0.04		

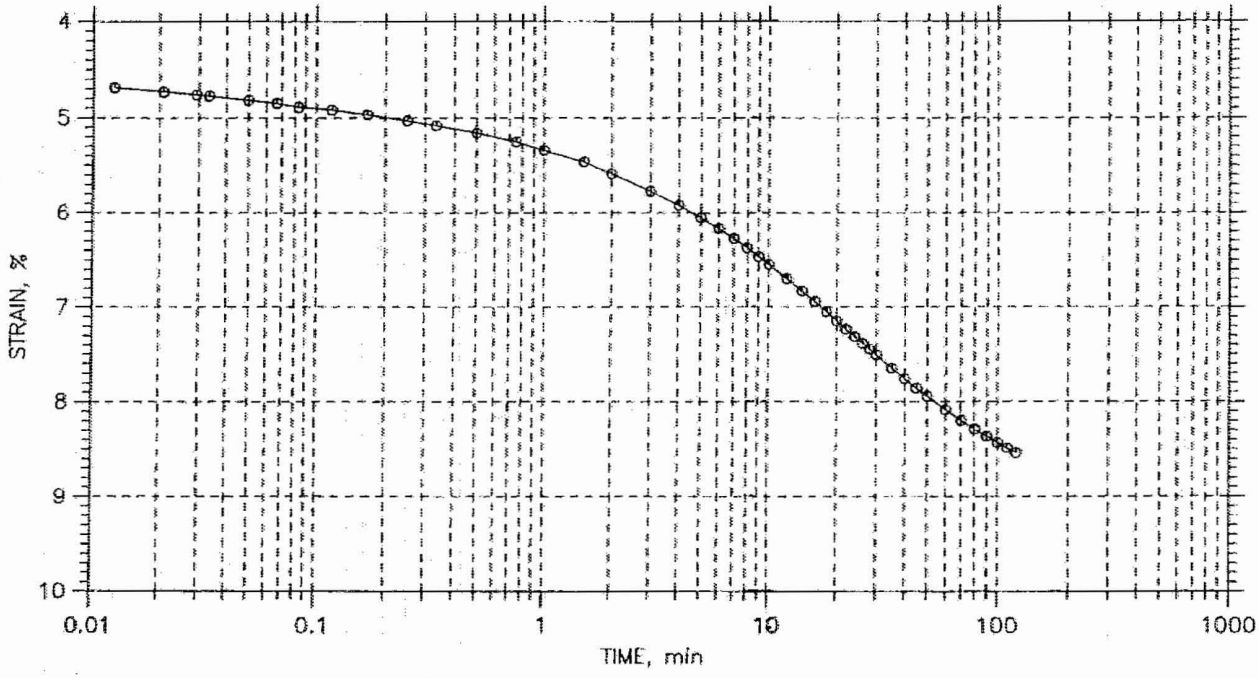
Tue, 14-NOV-2006 18:36:49

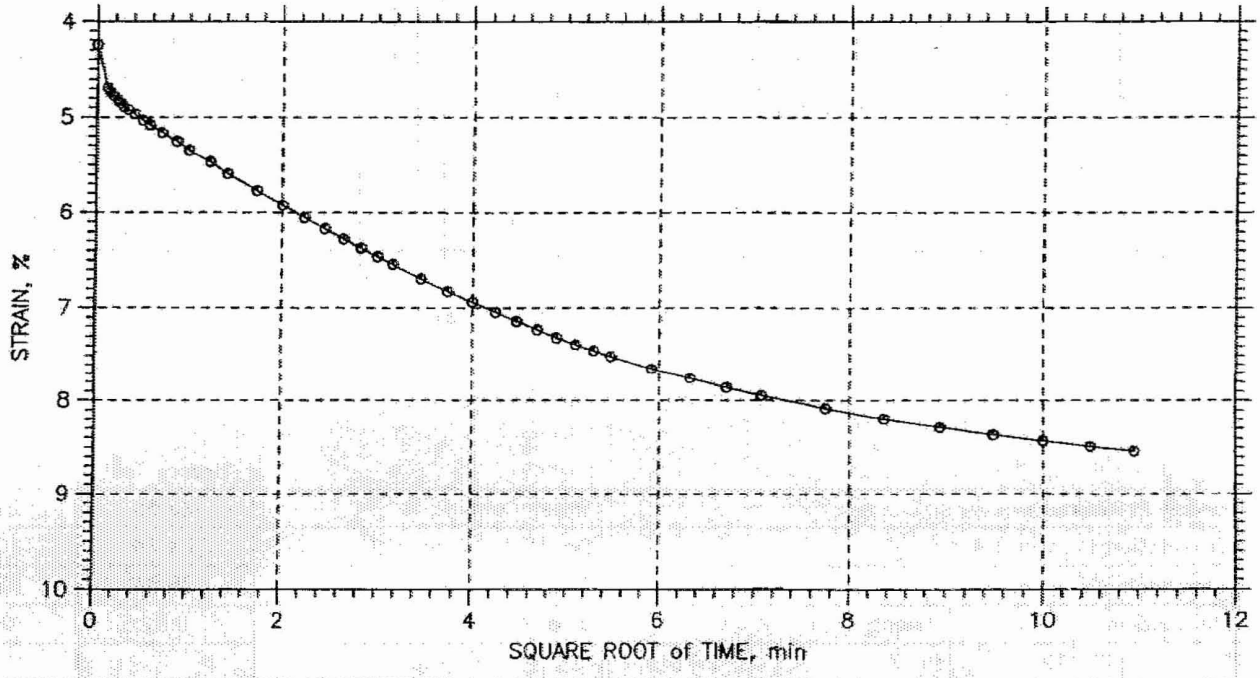
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

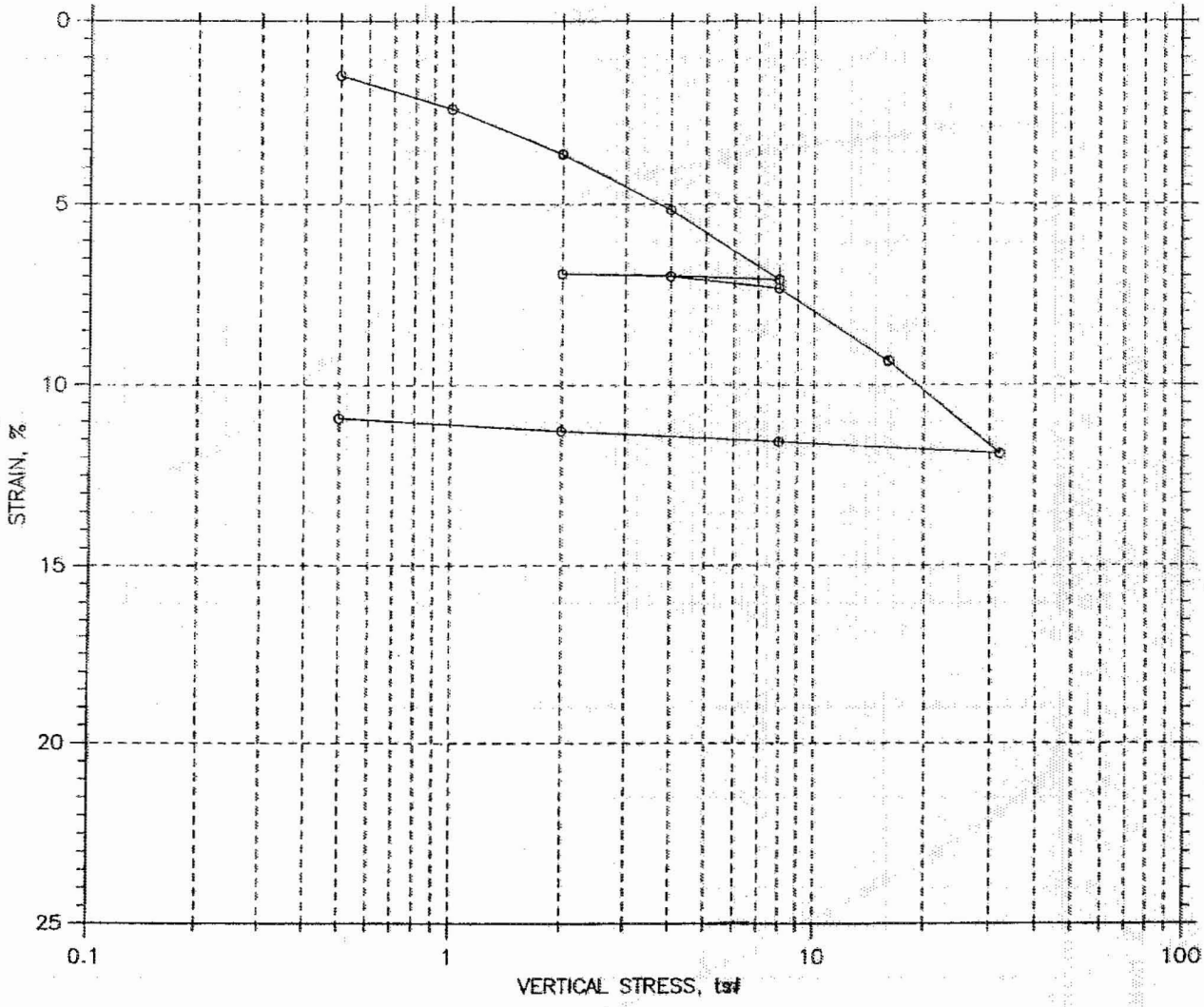




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-729	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 68.5-70.0
	Test No.: C-25	Sample Type: tube	Elevation: ---
	Description: Moist, dark greenish gray organic clay (OH), 93% passing#200 sieve, inundated@0.5 tsf		
	Remarks: System G - Compression Ratio: 0.29, Recompression Ratio: 0.04		

Tue, 14-NOV-2006 18:36:57

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	25.65	21.65
Preconsolidation Pressure: 4 tsf				Dry Unit Weight, pcf	94.24	105.8
Compression Index: ---				Saturation, %	85.84	95.57
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.82	0.62
LL: 26	PL: 19	PI: 7	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-732	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 15-17
	Test No.: C-24	Sample Type: tube	Elevation: ---
	Description: Moist, mottled pale yellow and brownish yellow clayey sand (SC), 32% < #200 sieve		
	Remarks: System C-Compression Ratio: 0.08, Recompression Ratio: 0.01, inundated @ 0.5 tsf		

Tue, 14-NOV-2006 19:29:57

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-732
Sample No.: UD-1
Test No.: C-24

Location: Calvert County, MD
Tested By: md
Test Date: 09/20/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 15-17
Elevation: ---

Soil Description: Moist, mottled pale yellow and brownish yellow clayey sand (SC), 32% < #200 sieve
Remarks: System C-Compression Ratio: 0.08, Recompression Ratio: 0.01, inundated @ 0.5 tsf

Measured Specific Gravity: 2.75
Initial Void Ratio: 0.82
Final Void Ratio: 0.62

Liquid Limit: 26
Plastic Limit: 19
Plasticity Index: 7

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1157	RING		609
Wt. Container + Wet Soil, gm	121.67	369.06	364.2	155.31
Wt. Container + Dry Soil, gm	99.58	337.91	337.91	129.14
Wt. Container, gm	8.06	216.49	216.49	8.25
Wt. Dry Soil, gm	91.52	121.42	121.42	120.89
Water Content, %	24.14	25.65	21.65	21.65
Void Ratio	---	0.82	0.62	---
Degree of Saturation, %	---	85.64	95.57	---
Dry Unit Weight, pcf	---	94.235	105.78	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-732
Sample No.: UD-1
Test No.: C-24

Location: Calvert County, MD
Tested By: md
Test Date: 09/20/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 15-17
Elevation: ---

Soil Description: Moist, mottled pale yellow and brownish yellow clayey sand (SC), 32% < #200 sieve
Remarks: System C-Compression Ratio: 0.08, Recompression Ratio: 0.01, inundated @ 0.5 tsf

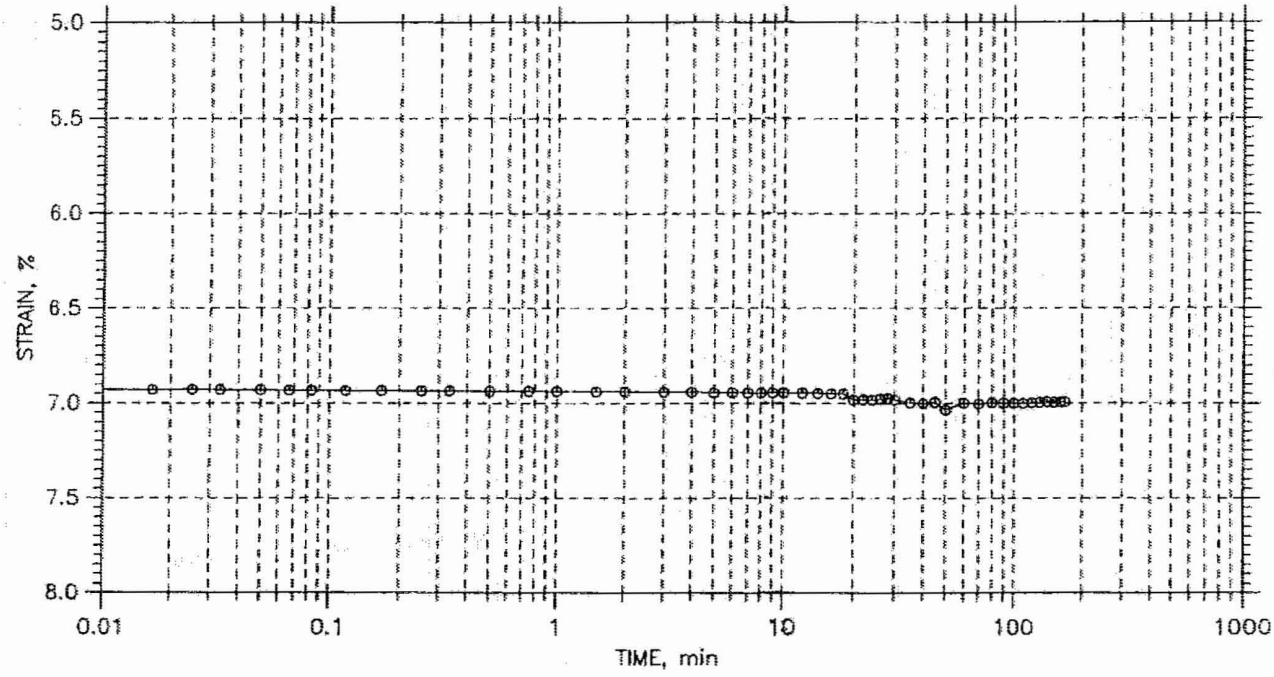
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.01488	0.795	1.49	0.0	0.0	2.72e-002	2.31e-002	2.49e-002
2	1	0.024	0.778	2.40	0.0	0.0	2.42e-002	3.01e-002	2.68e-002
3	2	0.03623	0.756	3.62	0.0	0.0	4.24e-002	3.59e-002	3.89e-002
4	4	0.05164	0.728	5.16	0.0	0.0	4.96e-002	4.15e-002	4.52e-002
5	8	0.07085	0.693	7.09	0.0	0.0	5.90e-002	5.22e-002	5.54e-002
6	4	0.06982	0.695	6.98	0.0	0.0	1.74e-001	0.00e+000	1.74e-001
7	2	0.06922	0.696	6.92	0.0	0.0	1.45e-001	0.00e+000	1.45e-001
8	4	0.06993	0.694	6.99	0.0	0.0	1.34e-001	0.00e+000	1.34e-001
9	8	0.0732	0.688	7.32	0.0	0.0	1.49e-001	0.00e+000	1.49e-001
10	16	0.0933	0.652	9.33	0.0	0.0	6.37e-002	0.00e+000	6.37e-002
11	32	0.119	0.605	11.90	0.0	0.0	5.71e-002	0.00e+000	5.71e-002
12	8	0.1157	0.611	11.57	0.0	0.0	5.97e-002	0.00e+000	5.97e-002
13	2	0.1127	0.616	11.27	0.0	0.0	1.06e-001	0.00e+000	1.06e-001
14	0.5	0.1092	0.623	10.92	0.0	0.0	2.21e-002	0.00e+000	2.21e-002

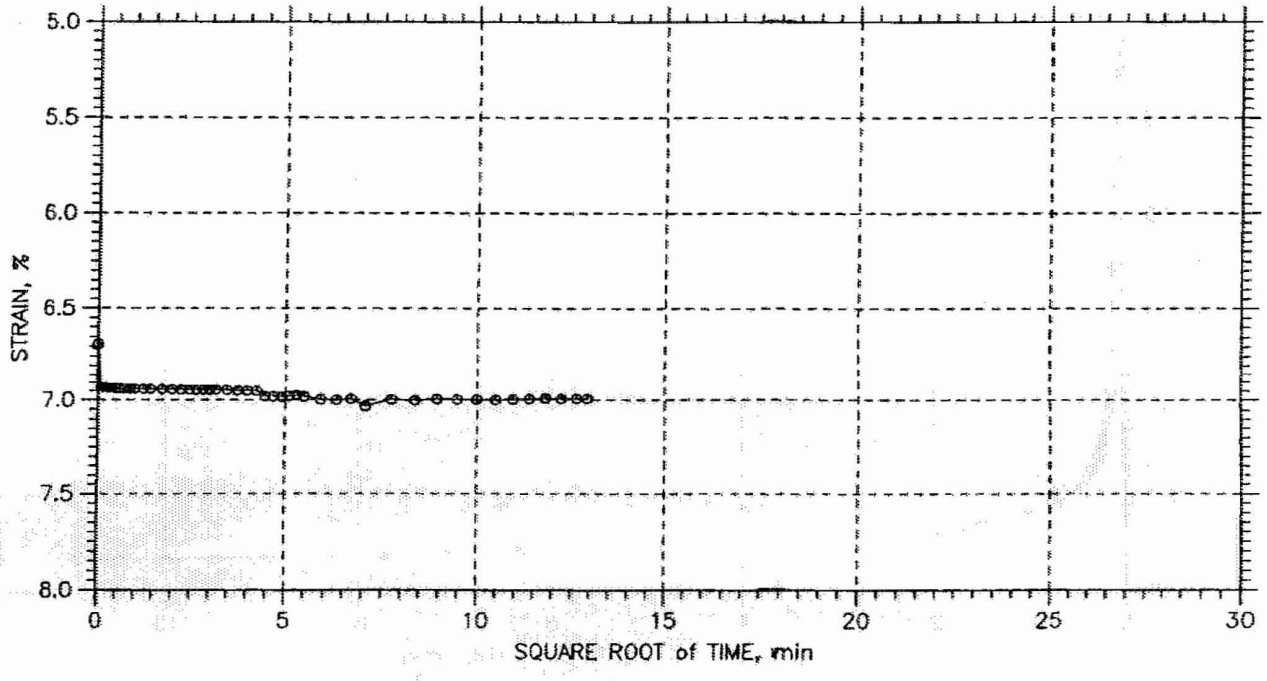
CONSOLIDATION TEST DATA

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-732	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 15-17
	Test No.: C-24	Sample Type: tube	Elevation: ---
	Description: Moist, mottled pale yellow and brownish yellow clayey sand (SC), 32% < #200 sieve		
	Remarks: System C-Compression Ratio: 0.08, Recompression Ratio: 0.01, inundated @ 0.5 tsf		

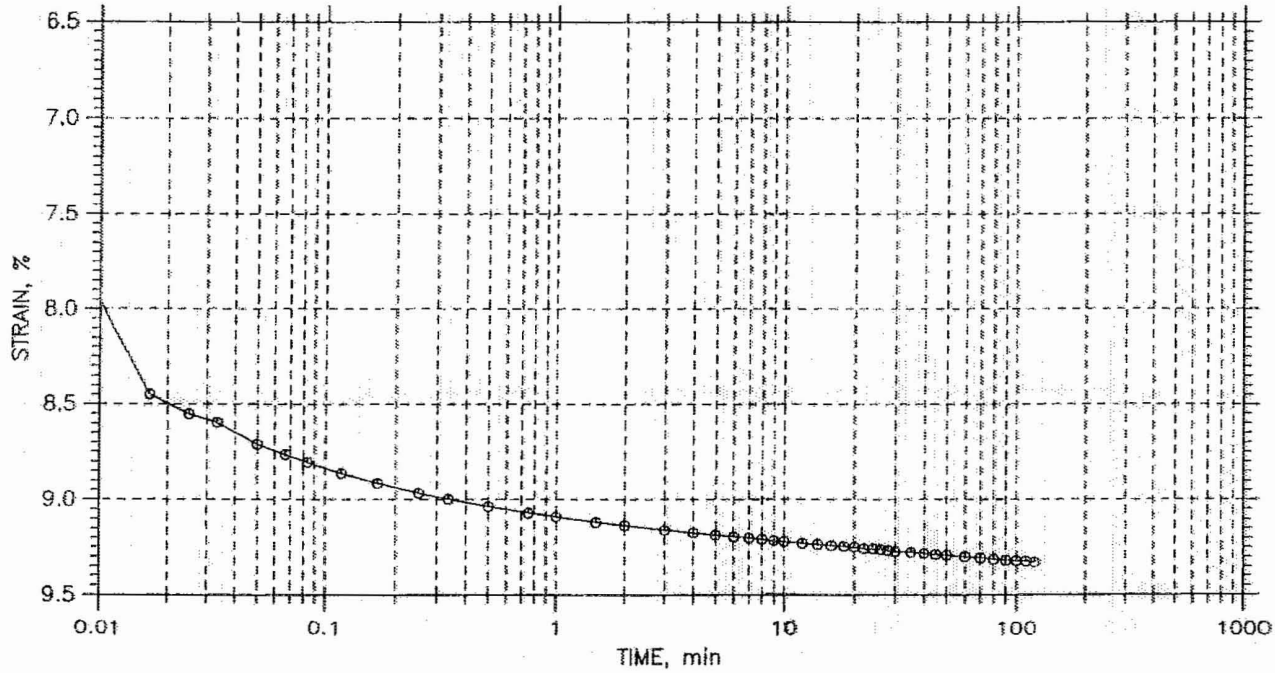
Tue, 14-NOV-2006 18:44:20

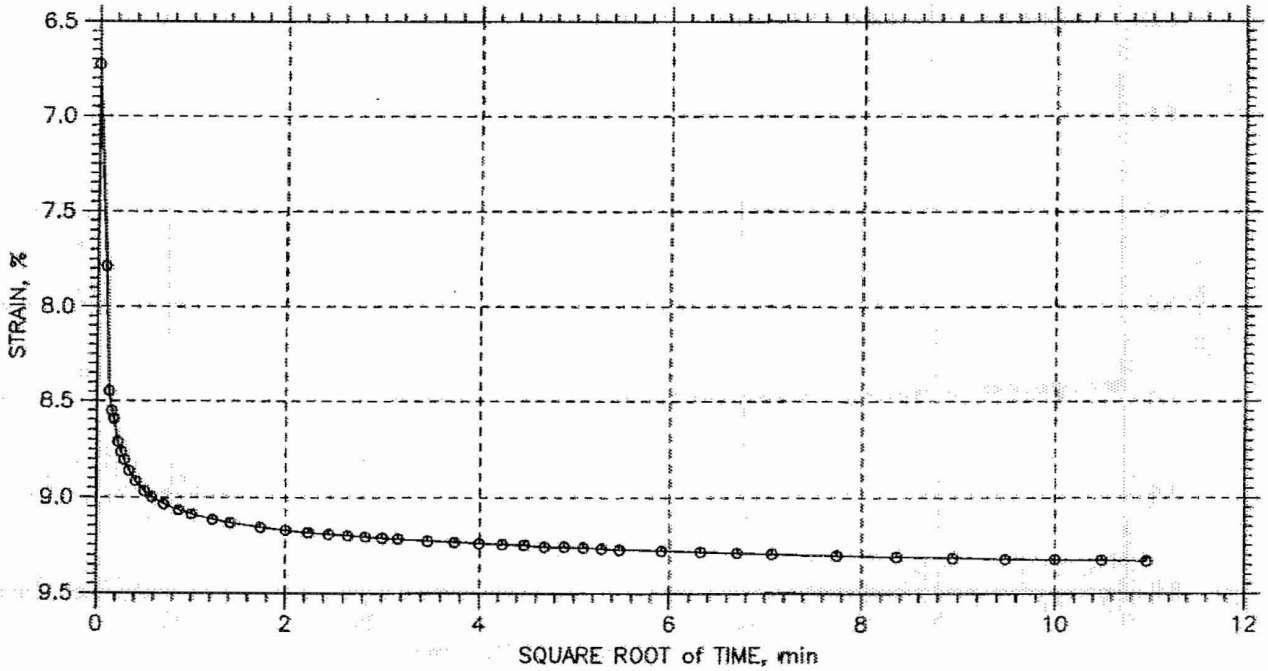
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf



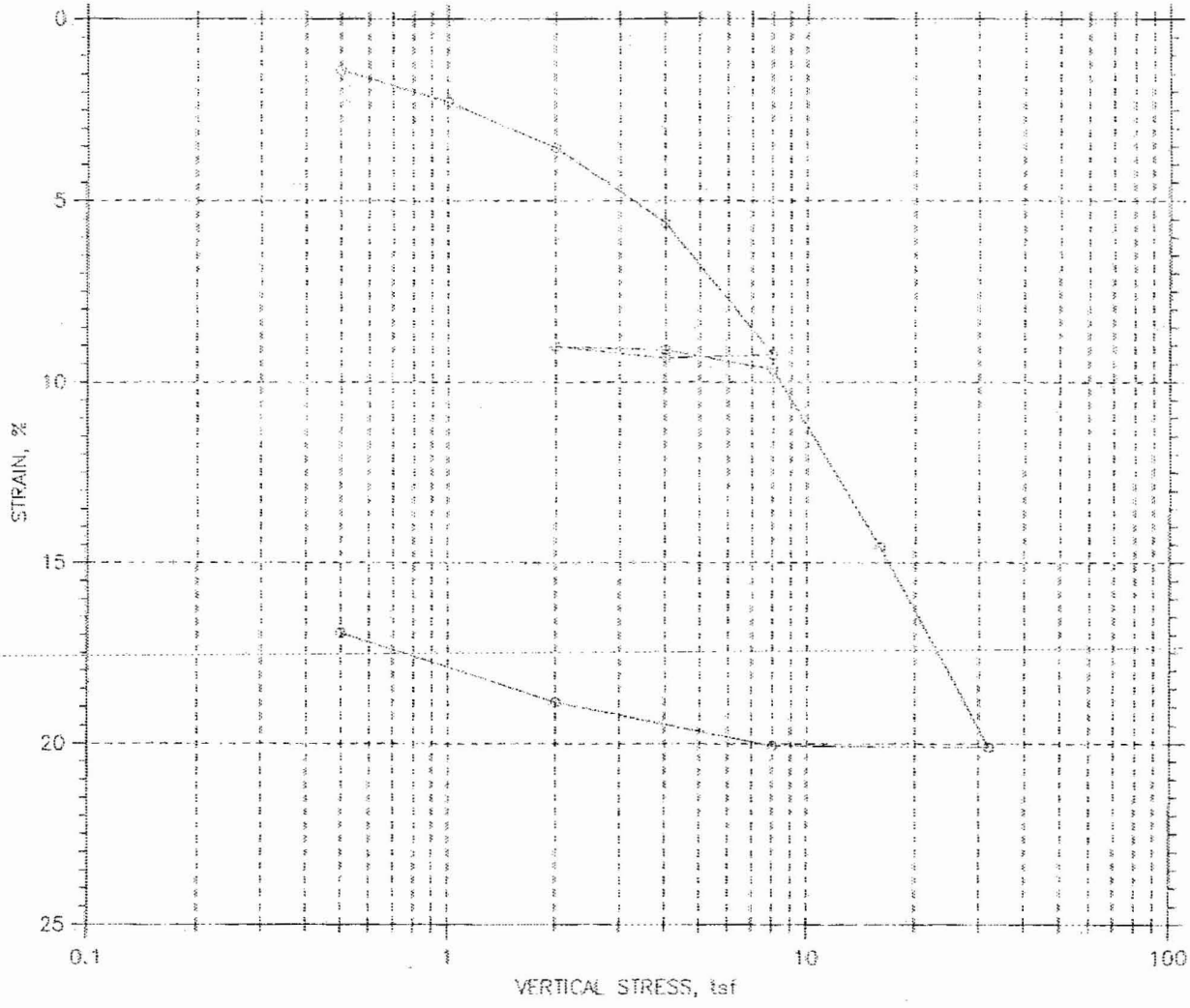


GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-732	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/20/06	Depth: 15-17
	Test No.: C-24	Sample Type: tube	Elevation: ---
	Description: Moist, mottled pale yellow and brownish yellow clayey sand (SC), 32% < #200 sieve		
	Remarks: System C-Compression Ratio: 0.08, Recompression Ratio: 0.01, inundated @ 0.5 tsf		

Tue, 14-NOV-2006 18:44:34

CONSOLIDATION TEST DATA

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	37.46	24.35
Preconsolidation Pressure: 5.7 tsf				Dry Unit Weight, pcf	85.03	102.4
Compression Index: ---				Saturation, %	101.82	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.00	0.66
LL: 51	PL: 15	PI: 36	GS: 2.73			

GeoTesting express	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: CTX-6880
	Boring No.: B-733	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/18/06	Depth: 23.5-25.5
	Test No.: C-22	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay with sand (CH), 78% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.18, Recompression Ratio: 0.02		

Thu, 12-APR-2007 16:00:03

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-733
Sample No.: UD-1
Test No.: C-22

Location: Calvert County, MD
Tested By: md
Test Date: 09/18/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 23.5-25.5
Elevation: ---

Soil Description: Moist, dark olive gray clay with sand (CH), 78% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.18, Recompression Ratio: 0.02

Measured Specific Gravity: 2.73
Initial Void Ratio: 1.00
Final Void Ratio: 0.66

Liquid Limit: 51
Plastic Limit: 15
Plasticity Index: 36

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	Bells	RING		614
Wt. Container + Wet Soil, gm	128.65	259.9	245.53	147.08
Wt. Container + Dry Soil, gm	98.14	218.86	218.86	119.89
Wt. Container, gm	7.89	109.3	109.3	8.21
Wt. Dry Soil, gm	90.25	109.56	109.56	111.68
Water Content, %	33.81	37.46	24.35	24.35
Void Ratio	---	1.00	0.66	---
Degree of Saturation, %	---	101.82	100.00	---
Dry Unit Weight, pcf	---	85.025	102.38	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-733
Sample No.: UD-1
Test No.: C-22

Location: Calvert County, MD
Tested By: md
Test Date: 09/18/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 23.5-25.5
Elevation: ---

Soil Description: Moist, dark olive gray clay with sand (CH), 78% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.18, Recompression Ratio: 0.02

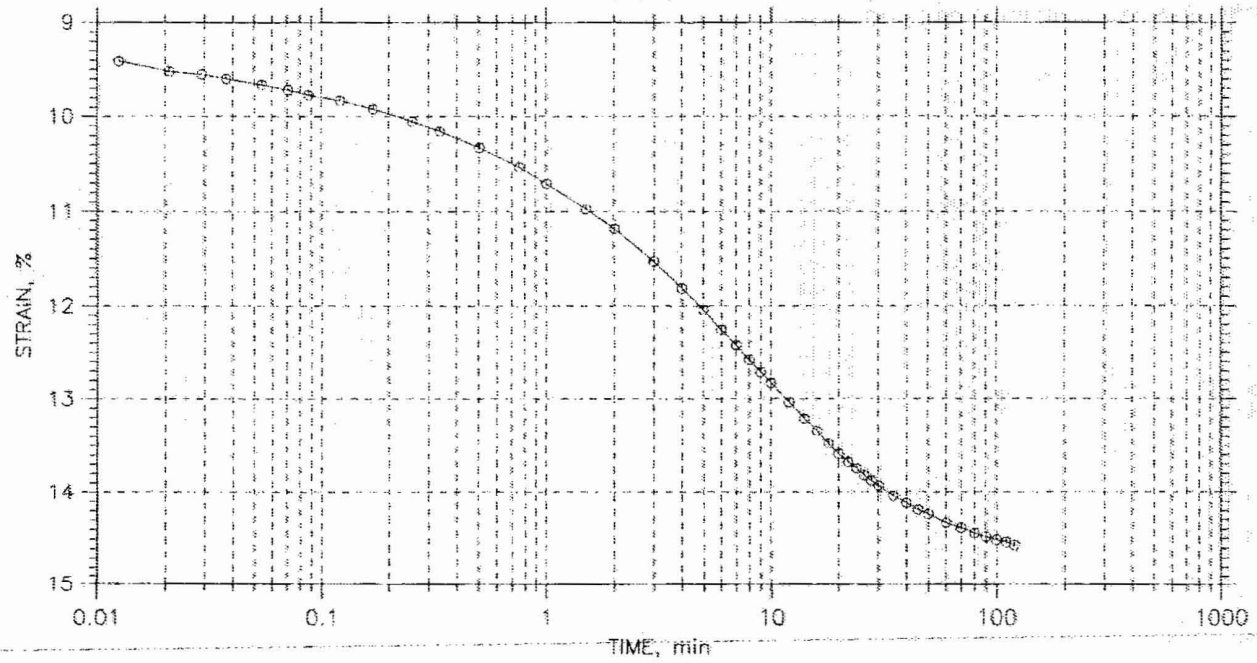
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.01385	0.977	1.38	0.1	0.1	6.80e-003	9.21e-003	7.82e-003
2	1	0.02267	0.959	2.27	0.3	0.3	2.58e-003	2.99e-003	2.77e-003
3	2	0.03539	0.933	3.54	0.3	0.2	2.57e-003	3.54e-003	2.98e-003
4	4	0.05606	0.892	5.61	0.8	0.7	9.04e-004	1.14e-003	1.01e-003
5	8	0.0924	0.819	9.24	1.6	2.6	4.47e-004	2.76e-004	3.41e-004
6	4	0.09339	0.817	9.34	0.4	0.0	1.77e-003	0.00e+000	1.77e-003
7	2	0.09031	0.823	9.03	1.3	1.7	5.02e-004	4.05e-004	4.48e-004
8	4	0.09118	0.822	9.12	0.5	0.0	1.34e-003	0.00e+000	1.34e-003
9	8	0.09642	0.811	9.64	1.7	1.2	4.00e-004	5.46e-004	4.62e-004
10	16	0.1457	0.712	14.57	2.8	3.7	2.27e-004	1.70e-004	1.95e-004
11	32	0.201	0.602	20.10	3.3	4.1	1.70e-004	1.39e-004	1.53e-004
12	8	0.2006	0.602	20.06	0.8	0.0	6.44e-004	0.00e+000	6.44e-004
13	2	0.1887	0.626	18.87	3.5	0.0	1.51e-004	0.00e+000	1.51e-004
14	0.5	0.1695	0.665	16.95	12.7	0.0	4.36e-005	0.00e+000	4.36e-005

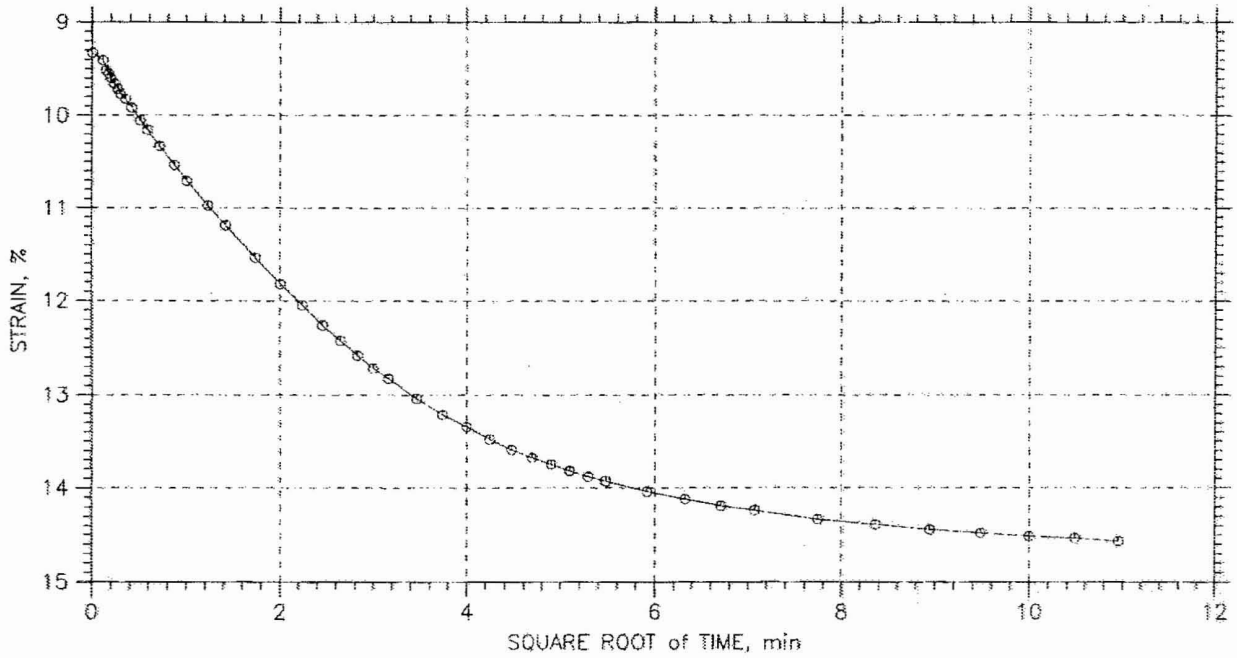
CONSOLIDATION TEST DATA

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-733	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/18/06	Depth: 23.5-25.5
	Test No.: C-22	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay with sand (CH), 78% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.18, Recompression Ratio: 0.02		

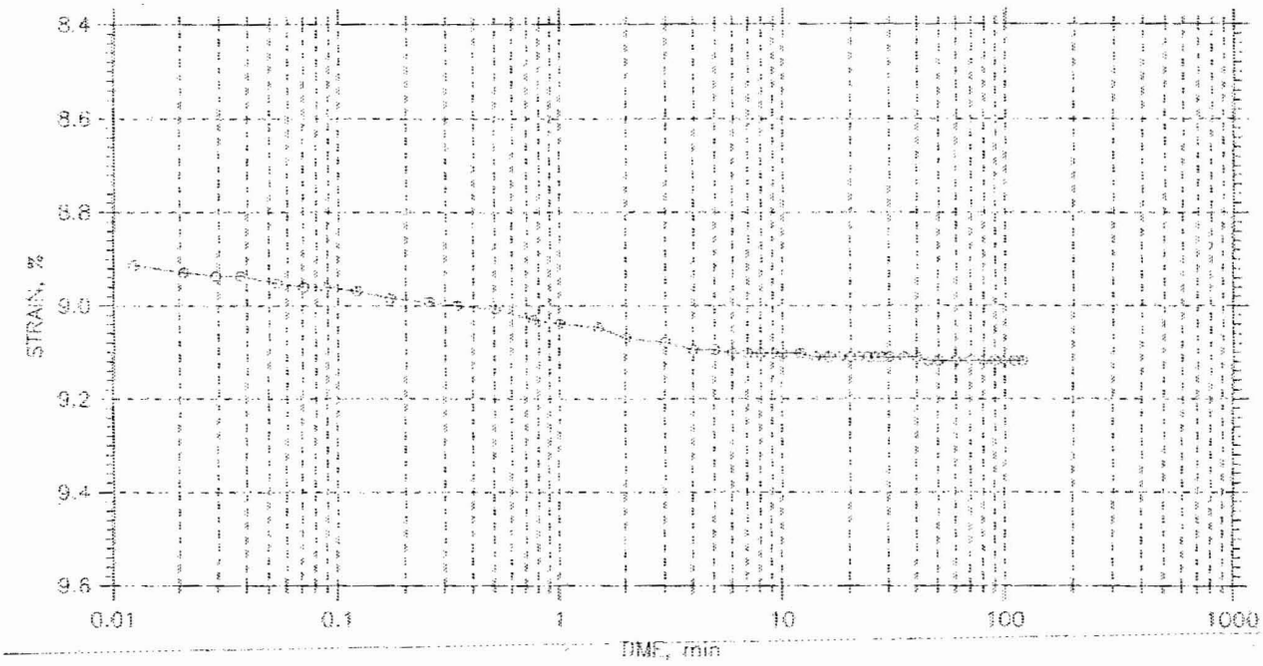
Thu, 12-APR-2007 16:07:02

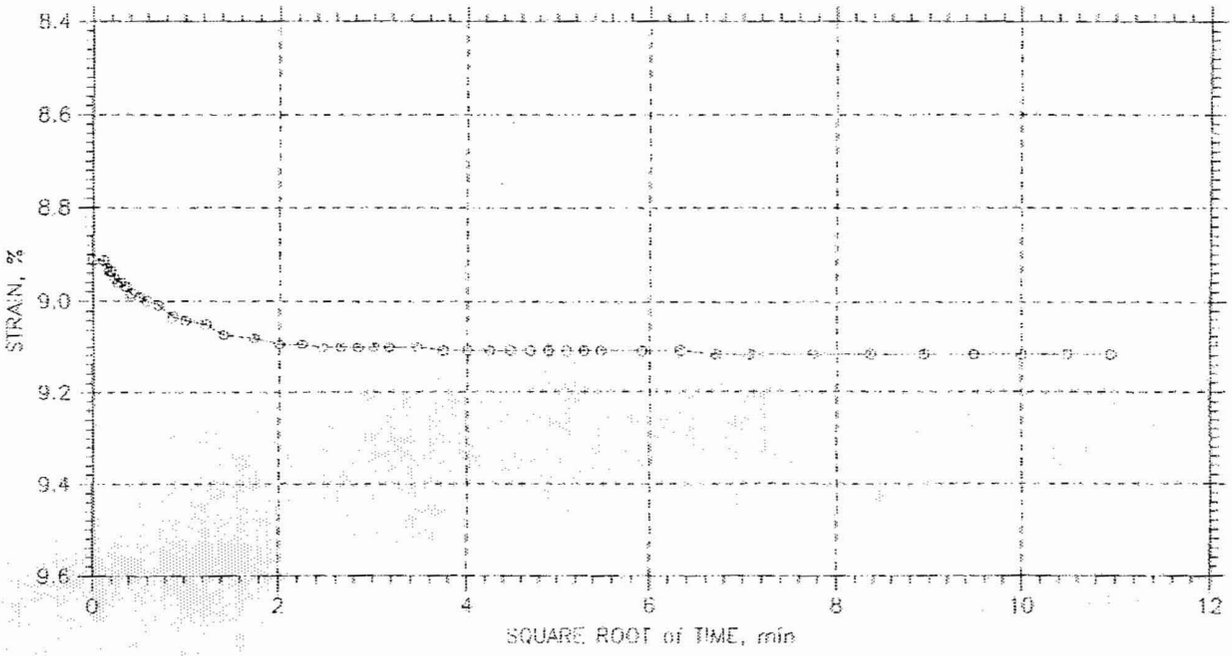
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 14

Stress: 4. tsf

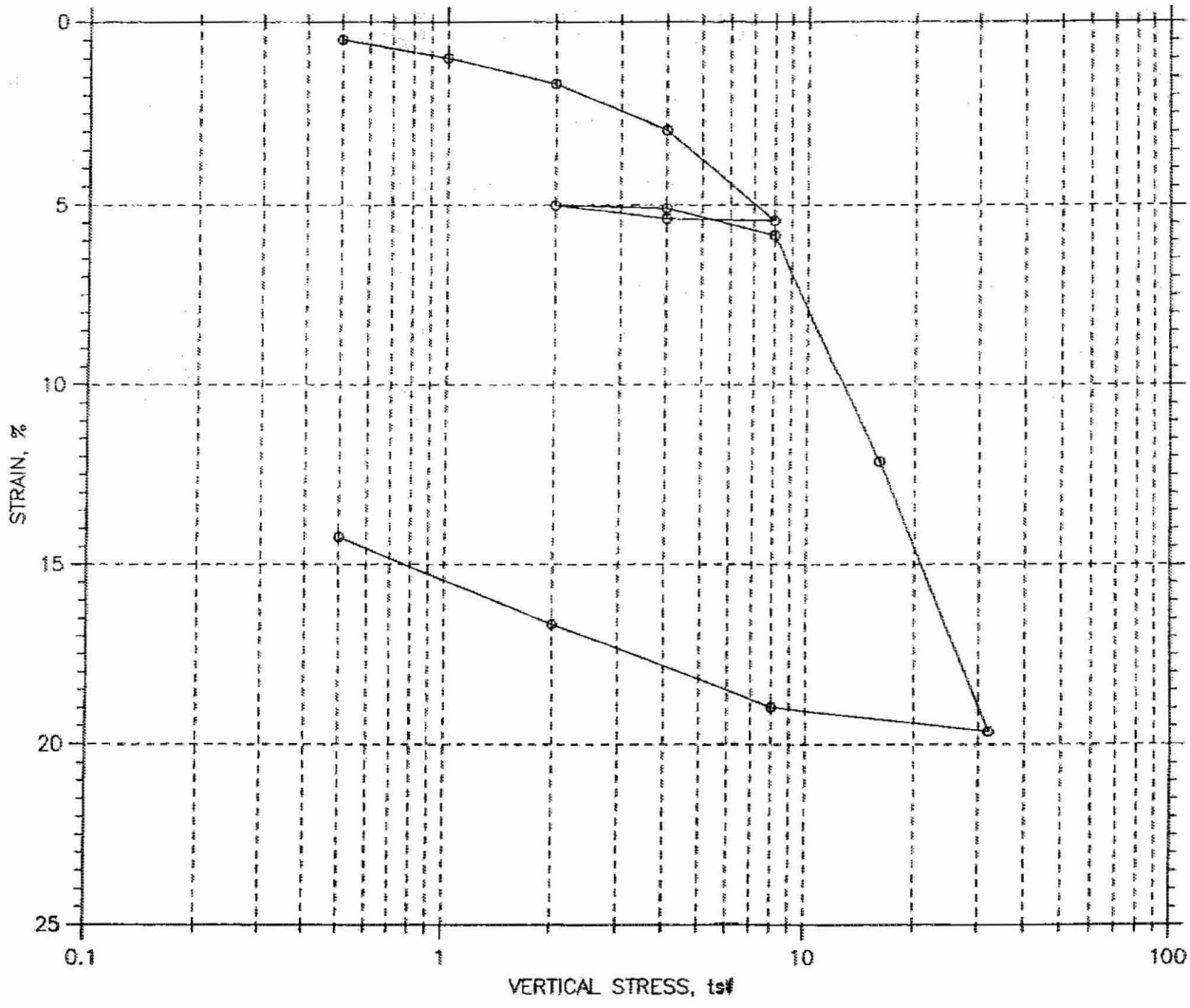




GeoTesting express (a subsidiary of Geocomp Corporation)	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-733	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/18/06	Depth: 23.5-25.5
	Test No.: C-22	Sample Type: tube	Elevation: ---
	Description: Moist, dark olive gray clay with sand (CH), 78% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.18, Recompression Ratio: 0.02		

Thu, 12-APR-2007 16:12:47

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	38.23	26.65
Preconsolidation Pressure: 7.5 tsf				Dry Unit Weight, pcf	84.61	98.66
Compression Index: ---				Saturation, %	102.88	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.01	0.73
LL: 51	PL: 16	PI: 35	GS: 2.73			

GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-735	Tested By: md	Checked By: jdt
	Sample No.: S-9 UD-1	Test Date: 09/16/2006	Depth: 28-30 ft
	Test No.: C-19	Sample Type: Tube	Elevation: ---
	Description: Moist, dark gray clay (CH), 87% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System T - Compression Ratio: 0.25, Recompression Ratio: 0.03		

Wed, 15-NOV-2006 18:50:27

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-735
Sample No.: S-9 UD-1
Test No.: C-19

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/2006
Sample Type: Tube

Project No.: GTX-6880
Checked By: jdt
Depth: 28-30 ft
Elevation: ---

Soil Description: Moist, dark gray clay (CH), 87% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System T - Compression Ratio: 0.25, Recompression Ratio: 0.03

Measured Specific Gravity: 2.73
Initial Void Ratio: 1.01
Final Void Ratio: 0.73

Liquid Limit: 51
Plastic Limit: 16
Plasticity Index: 35

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1458	RING		1343
Wt. Container + Wet Soil, gm	147.57	367.29	354.67	150.17
Wt. Container + Dry Soil, gm	114.04	325.62	325.62	120.32
Wt. Container, gm	8.38	216.6	216.6	8.31
Wt. Dry Soil, gm	105.66	109.02	109.02	112.01
Water Content, %	31.73	38.23	26.65	26.65
Void Ratio	---	1.01	0.73	---
Degree of Saturation, %	---	102.88	100.00	---
Dry Unit Weight, pcf	---	84.607	98.655	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-735
Sample No.: S-9 UD-1
Test No.: C-19

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/2006
Sample Type: Tube

Project No.: GTX-6880
Checked By: jdt
Depth: 28-30 ft
Elevation: ---

Soil Description: Moist, dark gray clay (CH), 87% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System T - Compression Ratio: 0.25, Recompression Ratio: 0.03

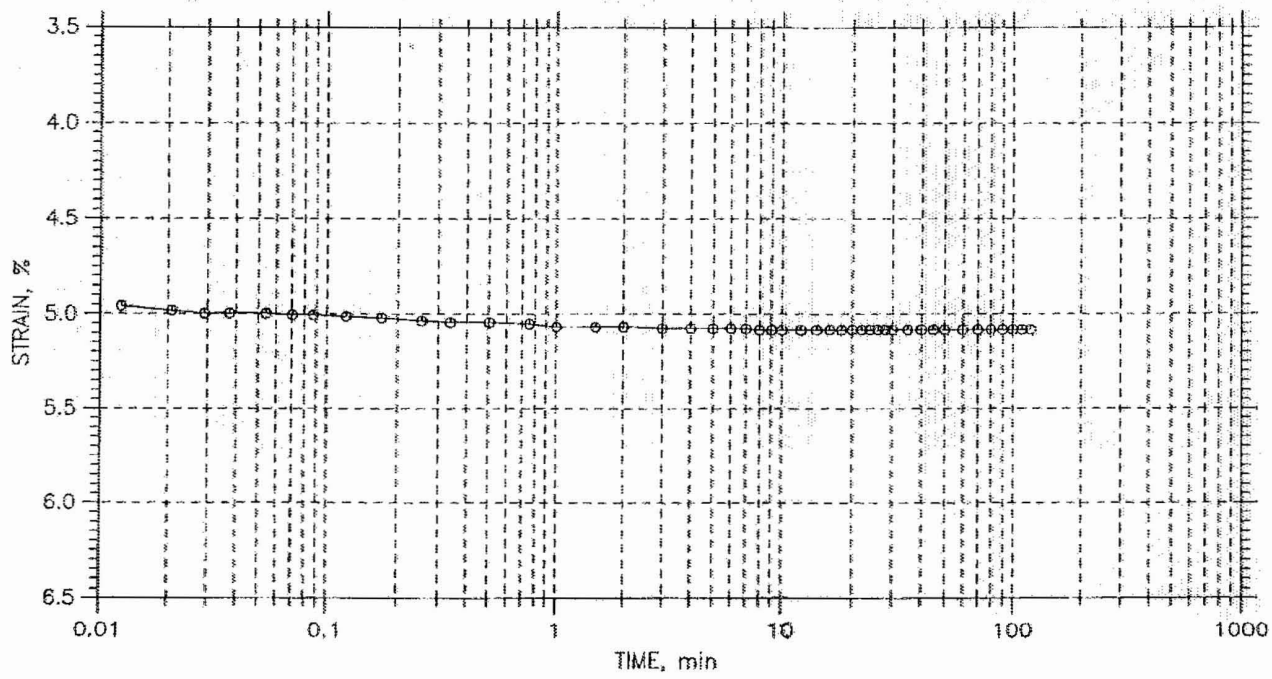
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.004798	1.005	0.48	0.1	0.0	1.28e-002	0.00e+000	1.28e-002
2	1	0.009879	0.994	0.99	0.2	0.0	3.93e-003	0.00e+000	3.93e-003
3	2	0.01673	0.981	1.67	0.2	0.1	4.96e-003	9.43e-003	6.50e-003
4	4	0.02953	0.955	2.95	0.5	0.0	1.50e-003	0.00e+000	1.50e-003
5	8	0.05429	0.905	5.43	0.4	0.0	1.77e-003	0.00e+000	1.77e-003
6	4	0.05374	0.906	5.37	0.0	0.0	2.90e-002	0.00e+000	2.90e-002
7	2	0.05	0.914	5.00	0.3	0.0	2.23e-003	0.00e+000	2.23e-003
8	4	0.05083	0.912	5.08	0.1	0.0	1.30e-002	0.00e+000	1.30e-002
9	8	0.05838	0.897	5.84	0.4	0.2	1.73e-003	4.21e-003	2.45e-003
10	16	0.1214	0.770	12.14	2.3	2.4	3.00e-004	2.84e-004	2.92e-004
11	32	0.1966	0.618	19.66	3.9	6.3	1.51e-004	9.28e-005	1.15e-004
12	8	0.1898	0.632	18.98	1.1	0.0	5.08e-004	0.00e+000	5.08e-004
13	2	0.1665	0.679	16.65	4.8	0.0	1.16e-004	0.00e+000	1.16e-004
14	0.5	0.1424	0.728	14.24	12.9	0.0	4.57e-005	0.00e+000	4.57e-005

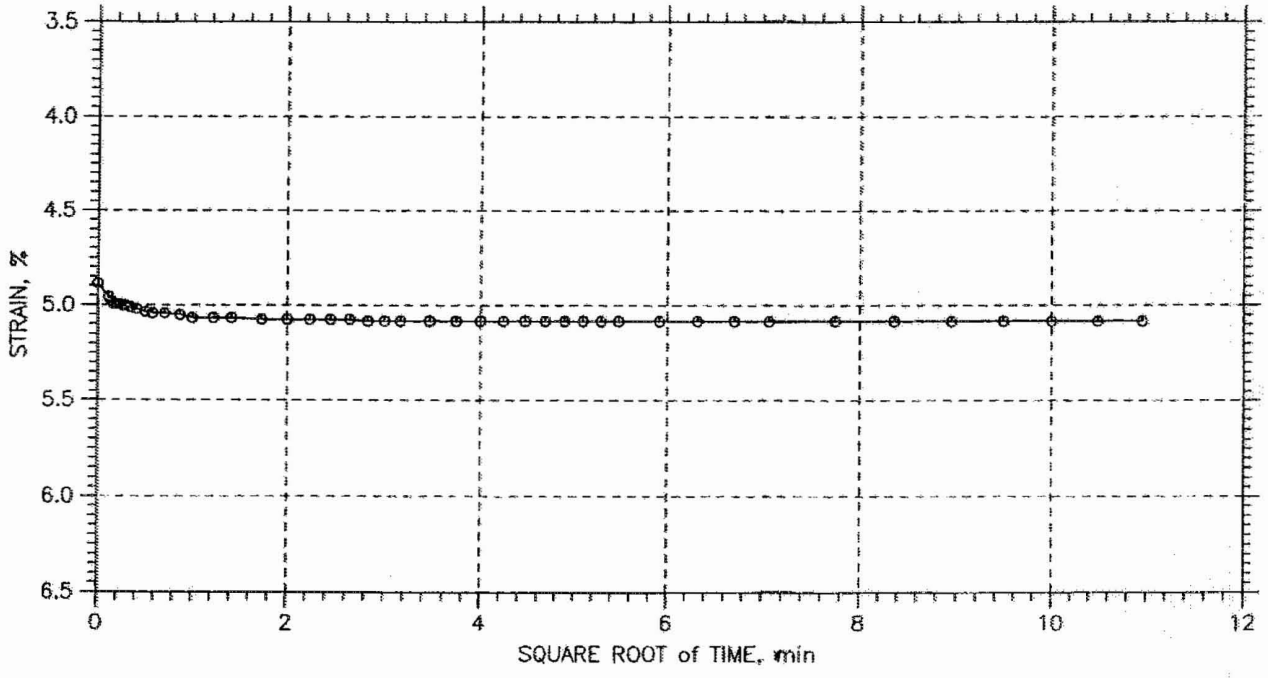
CONSOLIDATION TEST DATA

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-735	Tested By: md	Checked By: jdt
	Sample No.: S-9 UD-1	Test Date: 09/16/2006	Depth: 28-30 ft
	Test No.: C-19	Sample Type: Tube	Elevation: ---
	Description: Moist, dark gray clay (CH), 87% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System T - Compression Ratio: 0.25, Recompression Ratio: 0.03		

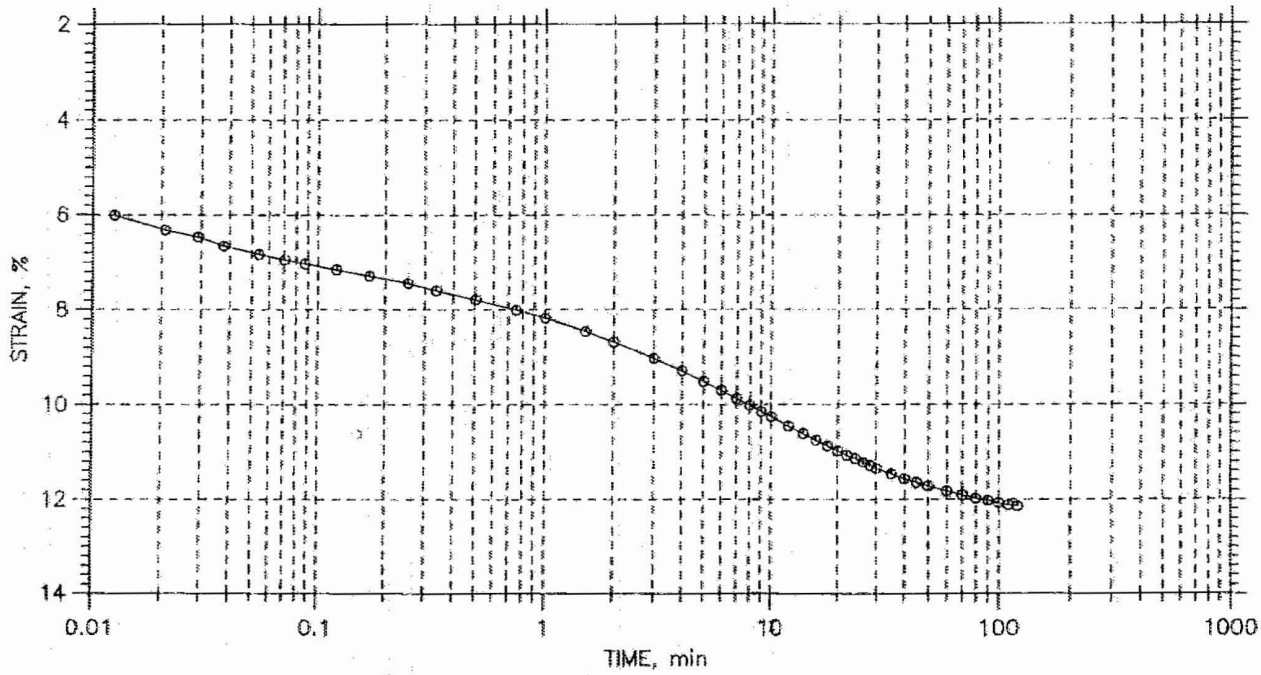
Wed, 15-NOV-2006 18:51:01

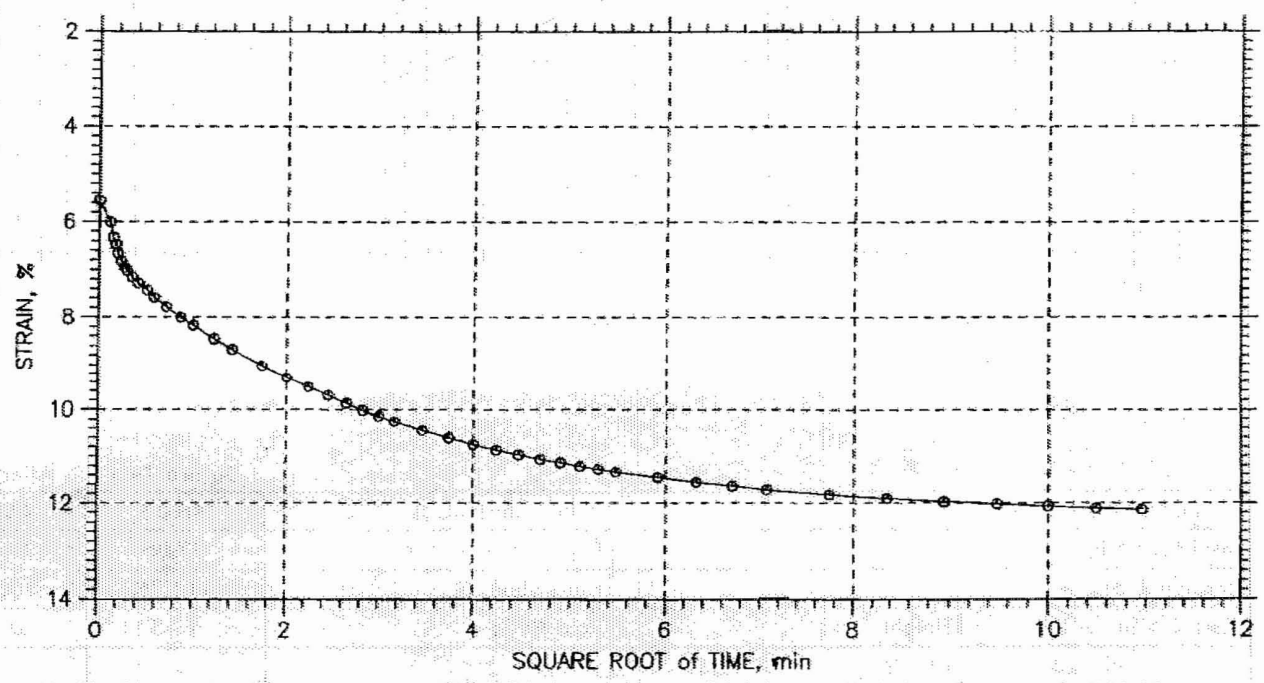
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 14

Stress: 16. tsf

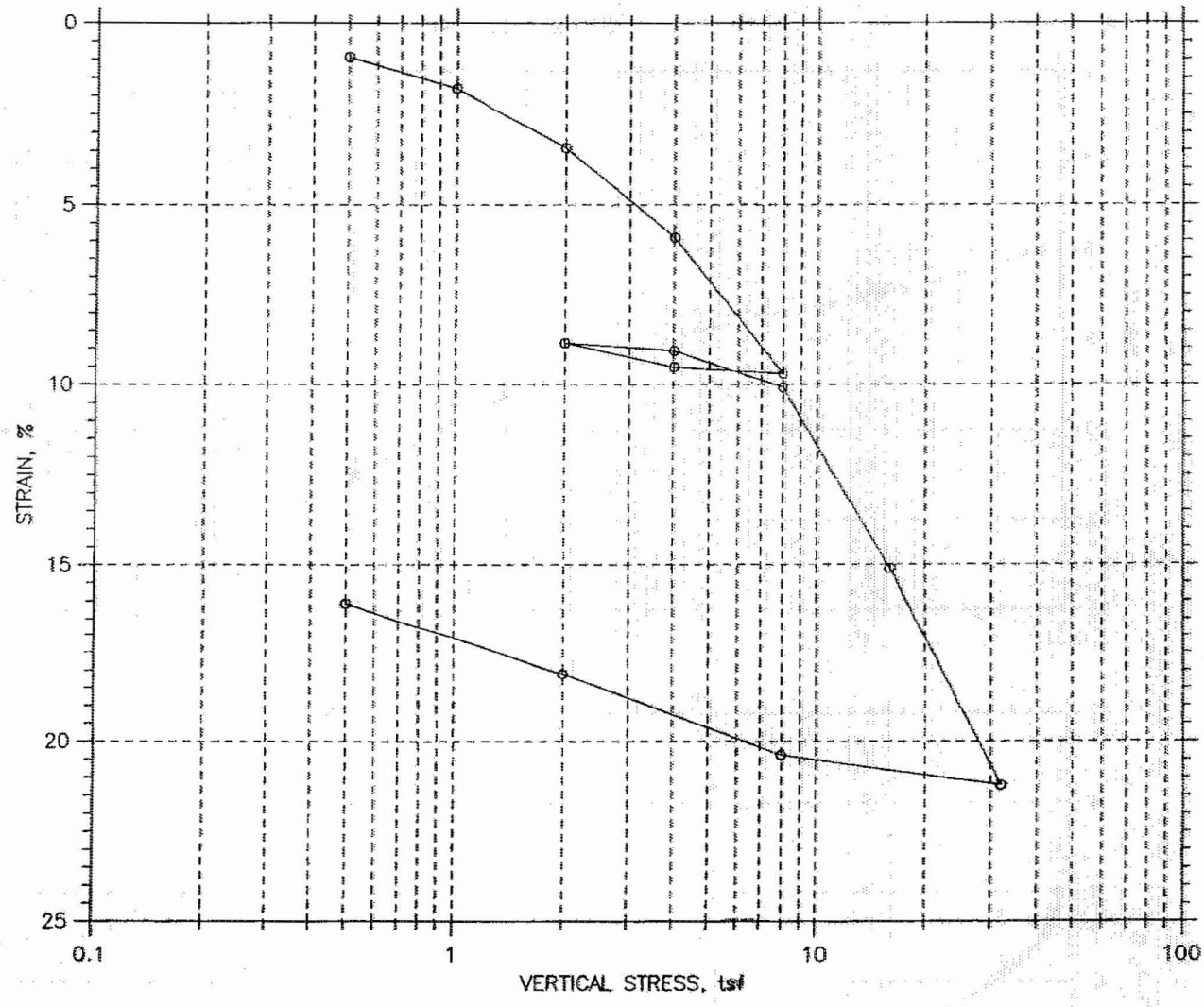




GeoTesting express a subsidiary of Geocomp Corporation	Project: Calvert Cliffs Nuclear PP	Location: Calvert County, MD	Project No.: GTX-6880
	Boring No.: B-735	Tested By: md	Checked By: jdt
	Sample No.: S-9 UD-1	Test Date: 09/16/2006	Depth: 28-30 ft
	Test No.: C-19	Sample Type: Tube	Elevation: ---
	Description: Moist, dark gray clay (CH), 87% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System T - Compression Ratio: 0.25, Recompression Ratio: 0.03		

Wed, 15-NOV-2006 18:51:18

CONSOLIDATION TEST DATA
SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	48.06	29.99
Preconsolidation Pressure: 6.1 tsf				Dry Unit Weight, pcf	77.05	91.79
Compression Index: ---				Saturation, %	111.76	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.13	0.79
LL: 75	PL: 23	PI: 52	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-737	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 10.5-12.5ft
	Test No.: C-15	Sample Type: tube	Elevation: ---
	Description: Moist, very pale brown clay (CH), 93% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.20, Recompression Ratio: 0.03		

Tue, 14-NOV-2006 19:01:23

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-737
Sample No.: UD-1
Test No.: C-15

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 10.5-12.5ft
Elevation: ---

Soil Description: Moist, very pale brown clay (CH), 93% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.20, Recompression Ratio: 0.03

Measured Specific Gravity: 2.63
Initial Void Ratio: 1.13
Final Void Ratio: 0.79

Liquid Limit: 75
Plastic Limit: 23
Plasticity Index: 52

Initial Height: 1.00 in
Specimen Diameter: 2.50 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	1270	RING		1110
Wt. Container + Wet Soil, gm	122	256.28	238.34	145.32
Wt. Container + Dry Soil, gm	91.04	208.57	208.57	113.67
Wt. Container, gm	8.66	109.29	109.29	8.12
Wt. Dry Soil, gm	82.38	99.28	99.28	105.55
Water Content, %	37.58	48.06	29.99	29.99
Void Ratio	---	1.13	0.79	---
Degree of Saturation, %	---	111.76	100.00	---
Dry Unit Weight, pcf	---	77.05	91.795	---

CONSOLIDATION TEST DATA

Project: Calvert Cliffs Nuclear PP
Boring No.: B-737
Sample No.: UD-1
Test No.: C-15

Location: Calvert County, MD
Tested By: md
Test Date: 09/16/06
Sample Type: tube

Project No.: GTX-6880
Checked By: jdt
Depth: 10.5-12.5ft
Elevation: ---

Soil Description: Moist, very pale brown clay (CH), 93% passing #200 sieve, inundated @ 0.5 tsf
Remarks: System R - Compression Ratio: 0.20, Recompression Ratio: 0.03

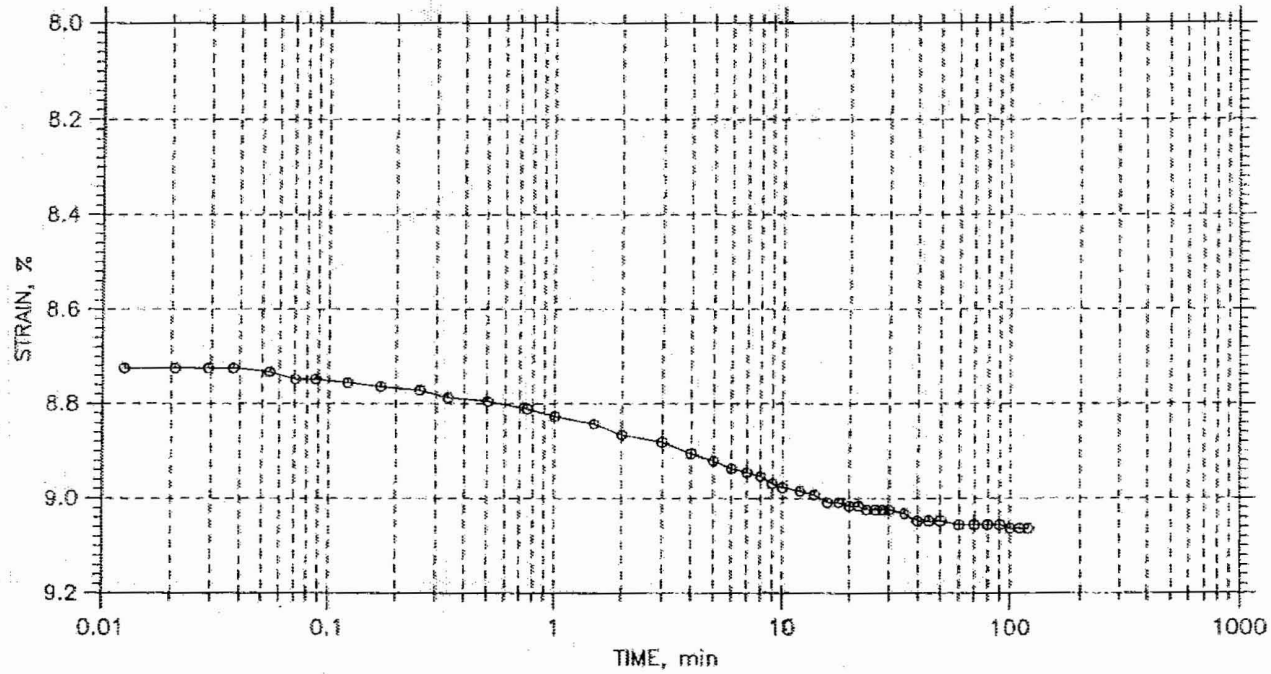
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting Sq.Rt. min	T50 Fitting Log min	Coefficient of Consolidation Sq.Rt. in^2/sec	Coefficient of Consolidation Log in^2/sec	Coefficient of Consolidation Ave. in^2/sec
1	0.5	0.00936	1.111	0.94	0.1	0.1	1.18e-002	1.11e-002	1.14e-002
2	1	0.01795	1.093	1.79	1.3	0.0	6.16e-004	0.00e+000	6.16e-004
3	2	0.03429	1.058	3.43	1.9	0.0	4.14e-004	0.00e+000	4.14e-004
4	4	0.05913	1.005	5.91	2.5	3.4	3.05e-004	2.21e-004	2.56e-004
5	8	0.09697	0.924	9.70	5.0	7.6	1.39e-004	9.23e-005	1.11e-004
6	4	0.09512	0.928	9.51	1.9	2.4	3.60e-004	2.79e-004	3.14e-004
7	2	0.08842	0.942	8.84	5.6	0.0	1.22e-004	0.00e+000	1.22e-004
8	4	0.09063	0.938	9.06	1.9	3.0	3.54e-004	2.27e-004	2.77e-004
9	8	0.1008	0.916	10.08	3.2	3.7	2.07e-004	1.81e-004	1.93e-004
10	16	0.151	0.809	15.10	10.5	12.2	5.97e-005	5.16e-005	5.53e-005
11	32	0.2122	0.679	21.22	20.9	19.8	2.63e-005	2.78e-005	2.71e-005
12	8	0.2038	0.697	20.38	4.4	0.0	1.18e-004	0.00e+000	1.18e-004
13	2	0.181	0.745	18.10	33.0	34.3	1.63e-005	1.56e-005	1.59e-005
14	0.5	0.1606	0.789	16.06	58.8	0.0	9.61e-006	0.00e+000	9.61e-006

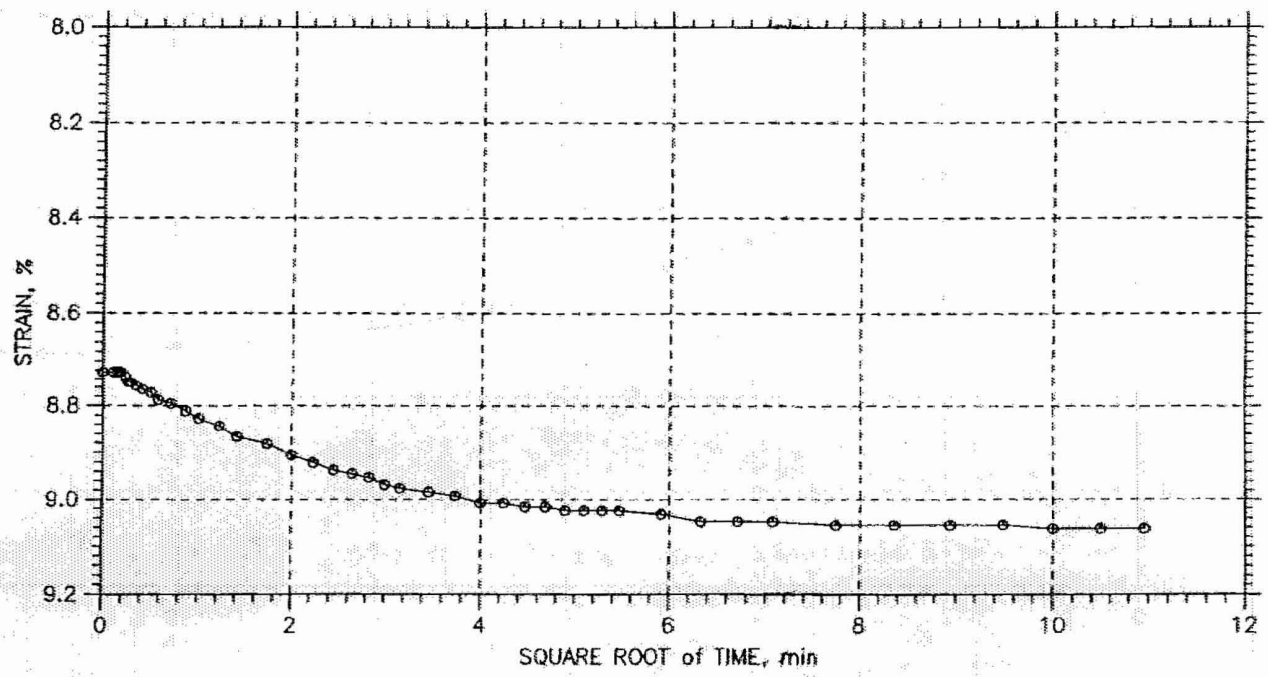
CONSOLIDATION TEST DATA

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-737	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 09/16/06	Depth: 10.5-12.5ft
	Test No.: C-15	Sample Type: tube	Elevation: ---
	Description: Moist, very pale brown clay (CH), 93% passing #200 sieve, inundated @ 0.5 tsf		
	Remarks: System R - Compression Ratio: 0.20, Recompression Ratio: 0.03		

Tue, 14-NOV-2006 19:01:04