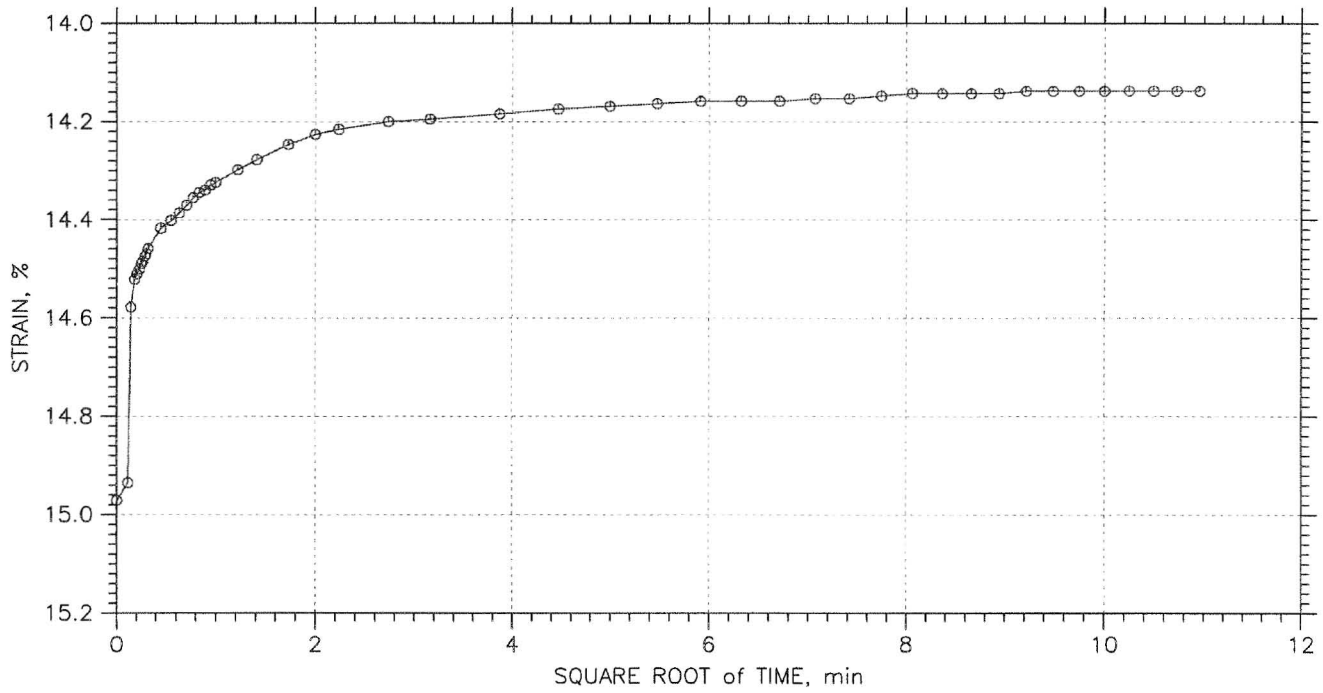
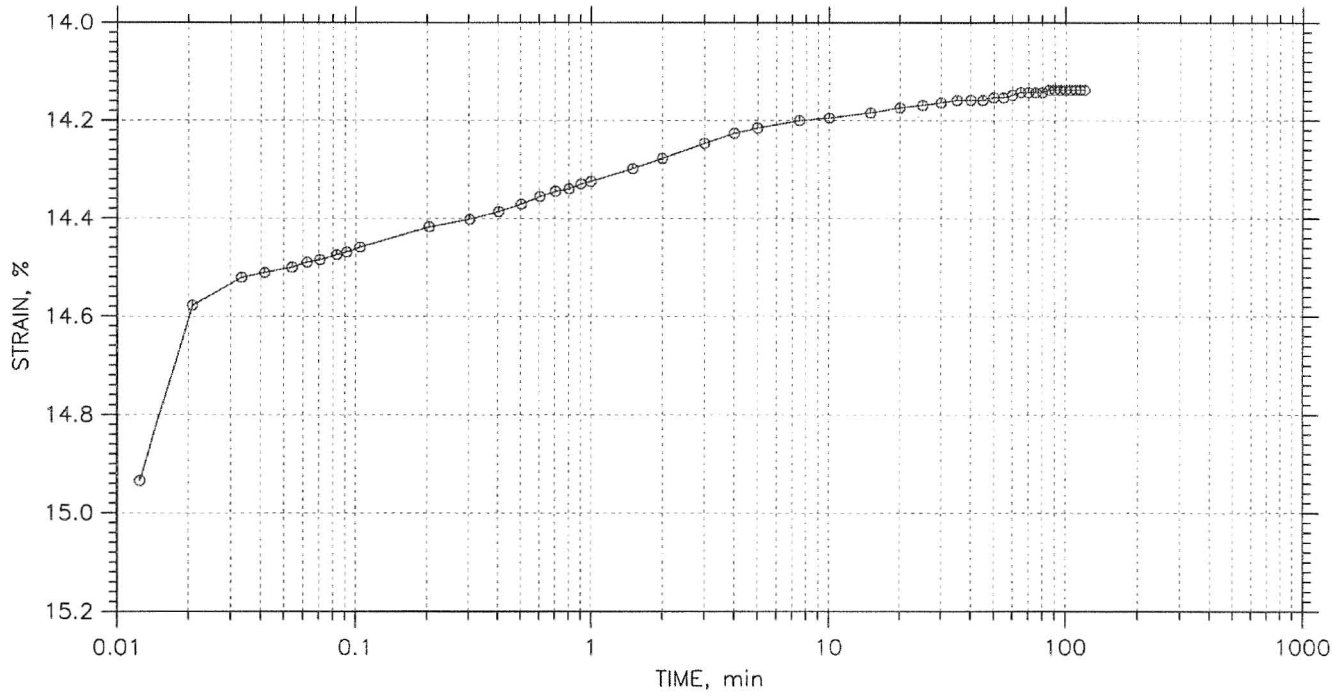


CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 16 of 17

Stress: 8000. psf



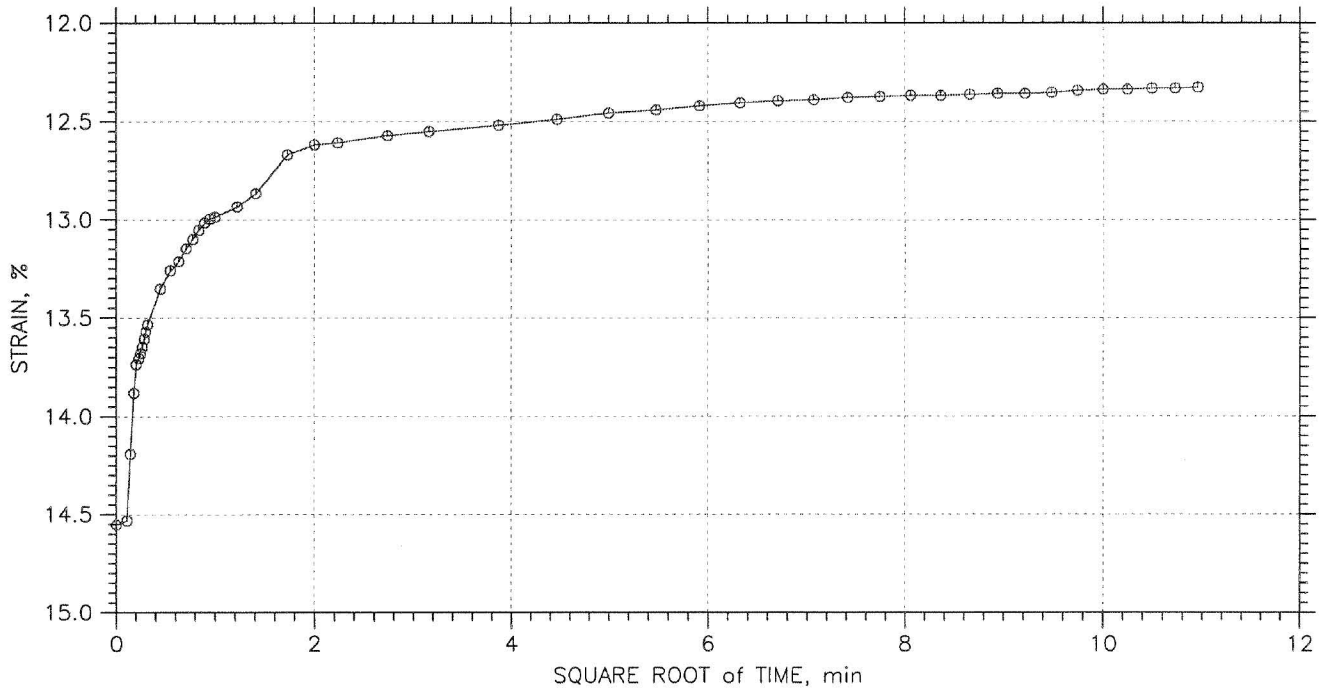
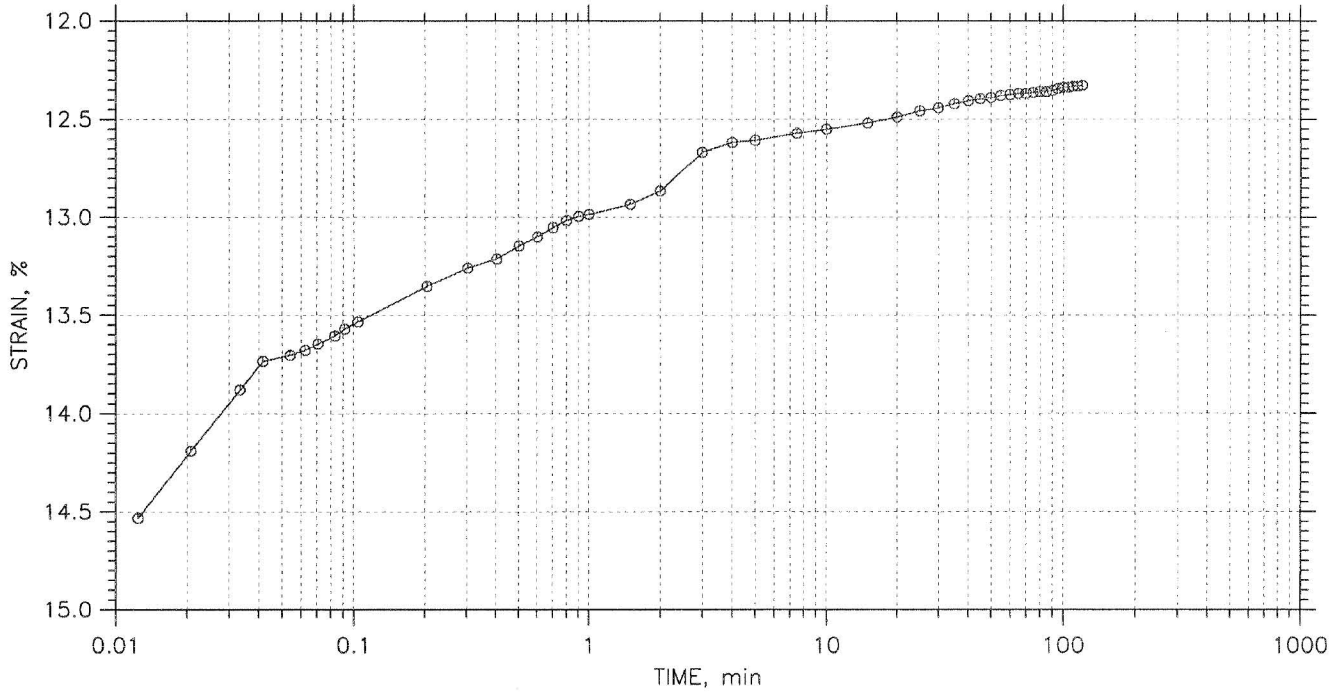
MACTEC	Project: Vogtle COL	Location: B-3019	Project No.: 6141060286
	Boring No.: B-3019	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/25/07	Depth: 113.50'
	Test No.: 7528	Sample Type: Undisturbed	Elevation: 108.92'
	Description: GRAVEL, silty (GM) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

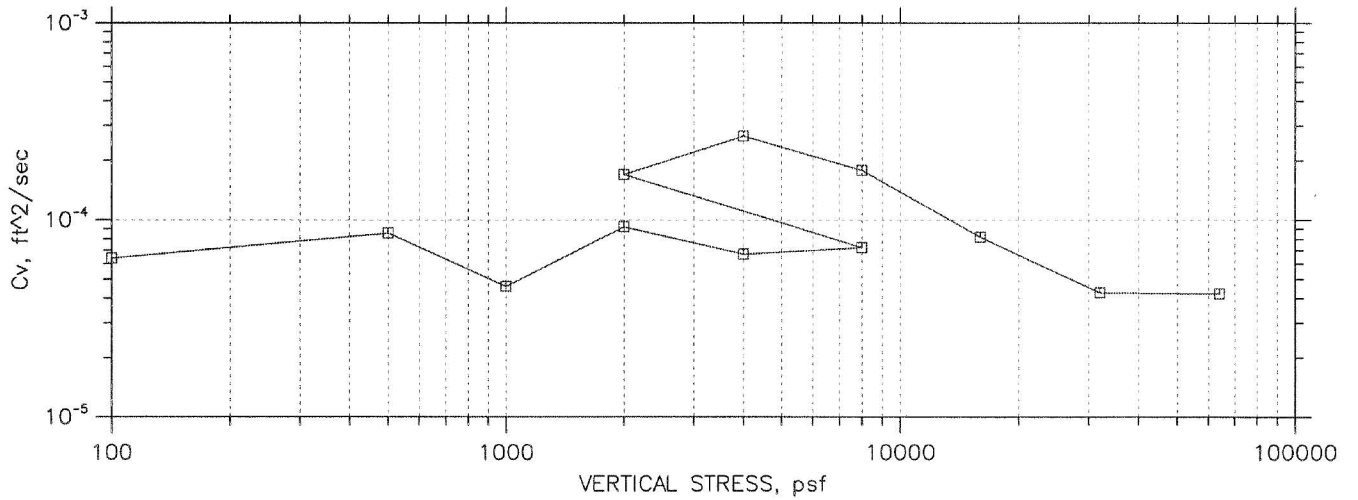
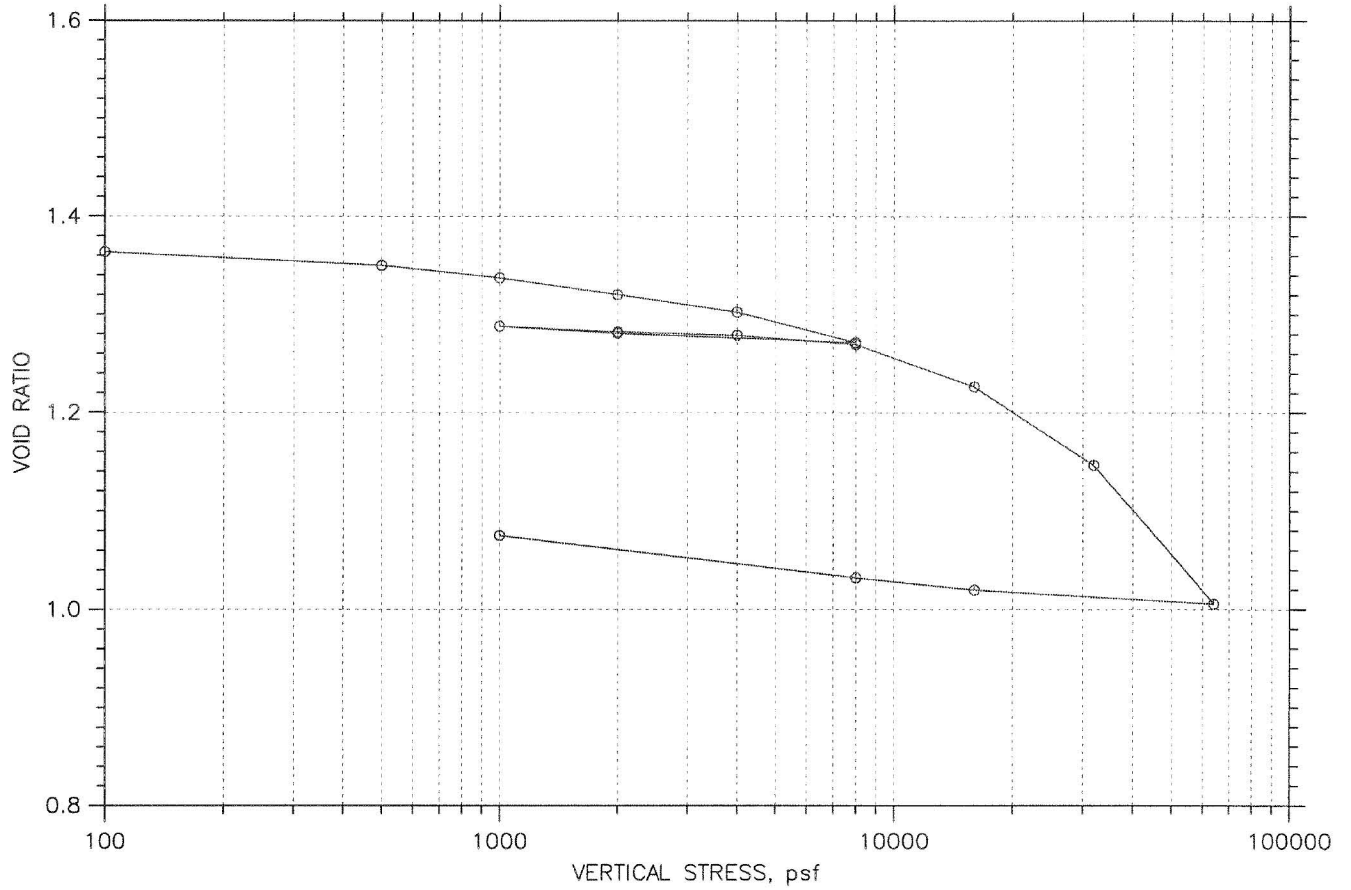
Constant Load Step: 17 of 17

Stress: 1000. psf



MACTEC	Project: Vogtle COL	Location: B-3019	Project No.: 6141060286
	Boring No.: B-3019	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/25/07	Depth: 113.50'
	Test No.: 7528	Sample Type: Undisturbed	Elevation: 108.92'
	Description: GRAVEL, silty (GM) (Visual)		
	Remarks:		

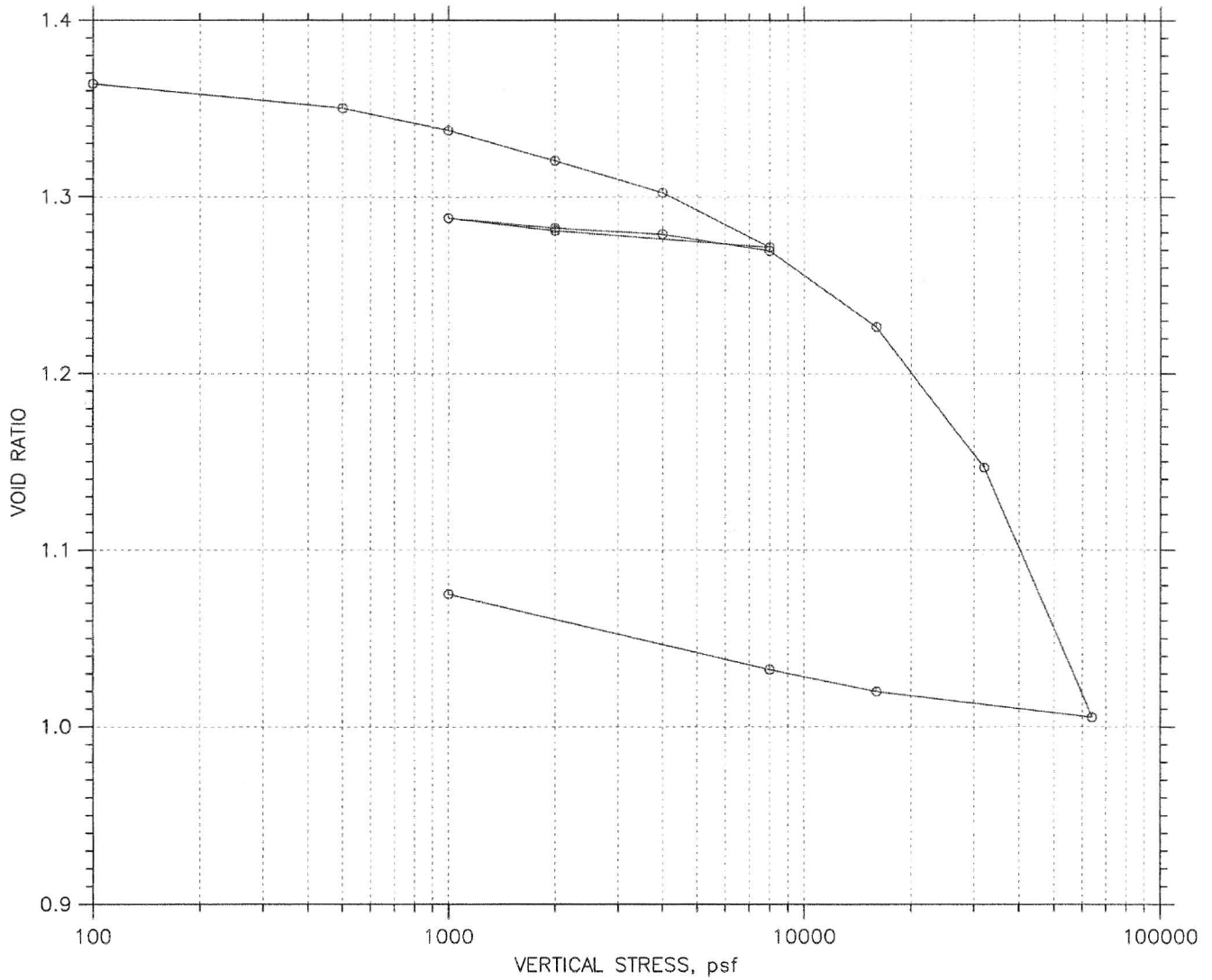
CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-3019	Project No.: 6141060286
	Boring No.: B-3019	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/25/07	Depth: 113.50'
	Test No.: 7528	Sample Type: Undisturbed	Elevation: 108.92'
	Description: GRAVEL, silty (GM) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

SUMMARY REPORT



		Before Test	After Test
Overburden Pressure: 0 psf		45.54	39.74
Preconsolidation Pressure: 0 psf		71.21	81.23
Compression Index: 0		89.96	99.81
Diameter: 2.5 in	Height: 1 in	1.37	1.08
LL: ---	PL: ---		
PI: ---	GS: 2.70		

MACTEC	Project: Vogtle COL	Location: B-3019	Project No.: 6141060286
	Boring No.: B-3019	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/25/07	Depth: 113.50'
	Test No.: 7528	Sample Type: Undisturbed	Elevation: 108.92'
	Description: GRAVEL, silty (GM) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

Project: Vogtle COL
 Boring No.: B-3019
 Sample No.: UD-2
 Test No.: 7528

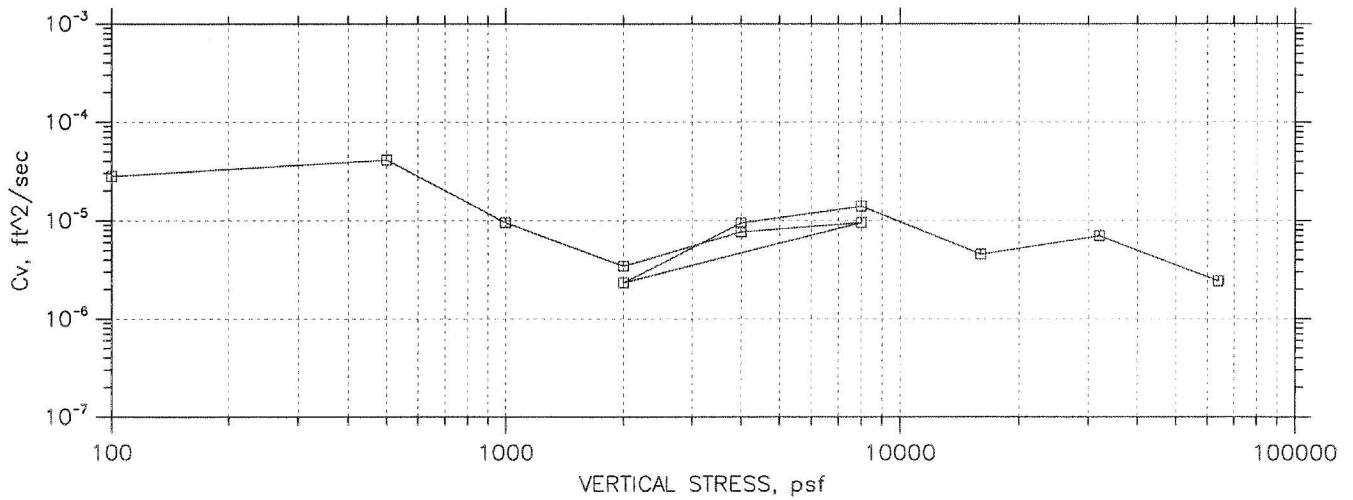
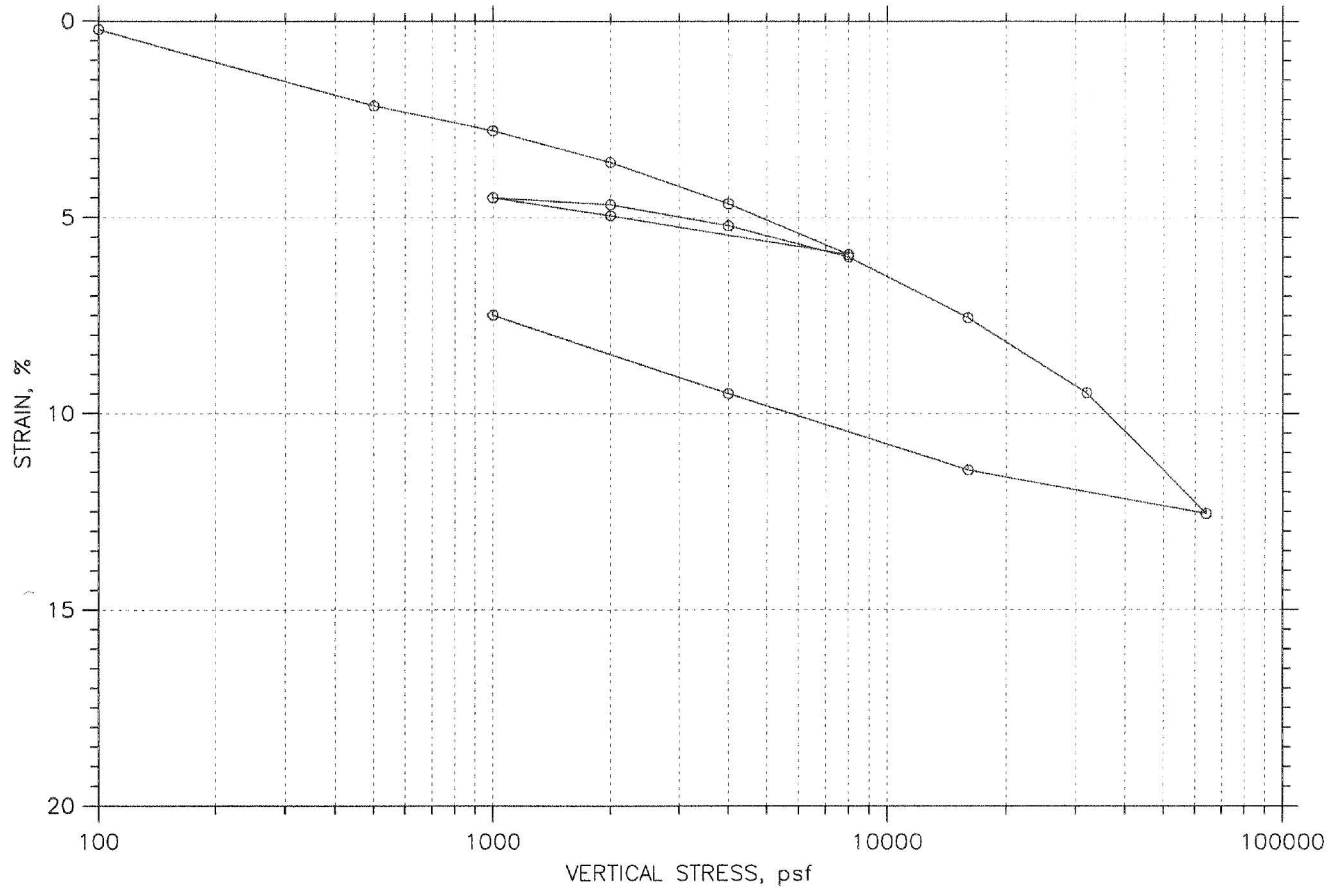
Location: B-3019
 Tested By: BM
 Test Date: 5/25/07
 Sample Type: Undisturbed

Project No.: 6141060286
 Checked By: HJ
 Depth: 113.50'
 Elevation: 108.92'

Soil Description: GRAVEL, silty (GM) (Visual)
 Remarks:

	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting		Coefficient of Consolidation		
					Sq.Rt. min	Log min	Sq.Rt. ft ² /sec	Log ft ² /sec	Ave. ft ² /sec
1	100	0.001287	1.364	0.13	0.1	0.1	5.47e-005	7.68e-005	6.39e-005
2	500	0.007094	1.350	0.71	0.1	0.1	8.78e-005	8.33e-005	8.55e-005
3	1e+003	0.01242	1.338	1.24	0.2	0.1	2.98e-005	1.00e-004	4.59e-005
4	2e+003	0.01965	1.320	1.96	0.1	0.1	7.96e-005	1.09e-004	9.21e-005
5	4e+003	0.02722	1.302	2.72	0.1	0.0	4.34e-005	1.47e-004	6.70e-005
6	8e+003	0.04025	1.272	4.02	0.1	0.0	4.74e-005	1.51e-004	7.22e-005
7	2e+003	0.03632	1.281	3.63	0.0	0.0	2.60e-004	0.00e+000	2.60e-004
8	1e+003	0.03327	1.288	3.33	0.0	0.0	1.49e-004	0.00e+000	1.49e-004
9	2e+003	0.0357	1.282	3.57	0.0	0.0	1.69e-004	0.00e+000	1.69e-004
10	4e+003	0.03715	1.279	3.71	0.0	0.0	2.66e-004	0.00e+000	2.66e-004
11	8e+003	0.04113	1.270	4.11	0.0	0.0	1.78e-004	0.00e+000	1.78e-004
12	1.6e+004	0.05934	1.226	5.93	0.1	0.0	5.32e-005	1.77e-004	8.18e-005
13	3.2e+004	0.09308	1.147	9.31	0.1	0.0	4.27e-005	0.00e+000	4.27e-005
14	6.4e+004	0.1527	1.005	15.27	0.1	0.1	3.09e-005	6.70e-005	4.23e-005
15	1.6e+004	0.1466	1.020	14.66	0.0	0.0	1.44e-004	0.00e+000	1.44e-004
16	8e+003	0.1414	1.032	14.14	0.1	0.0	4.82e-005	2.16e-004	7.88e-005
17	1e+003	0.1233	1.075	12.33	0.2	0.1	2.51e-005	7.56e-005	3.77e-005

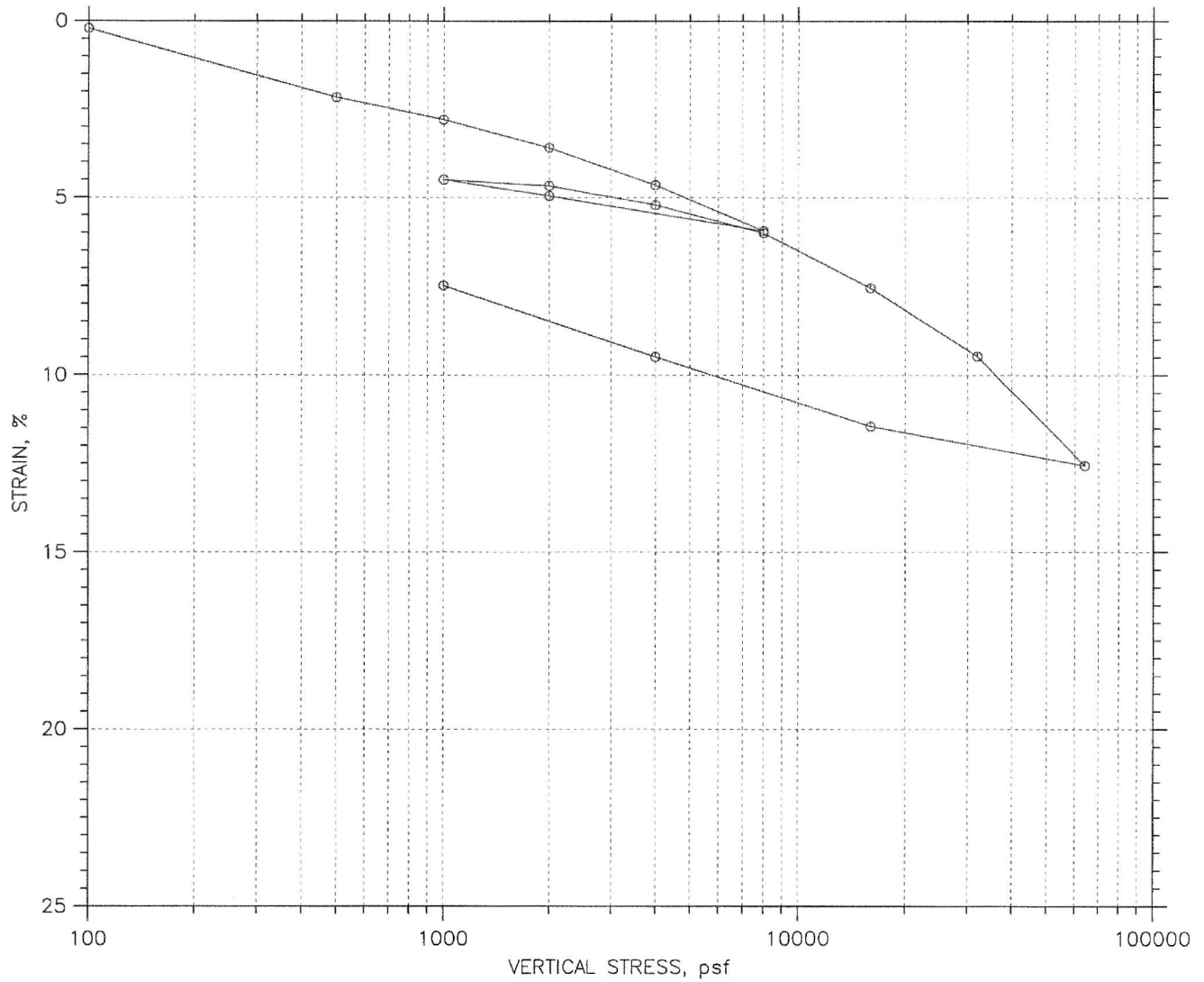
CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

SUMMARY REPORT

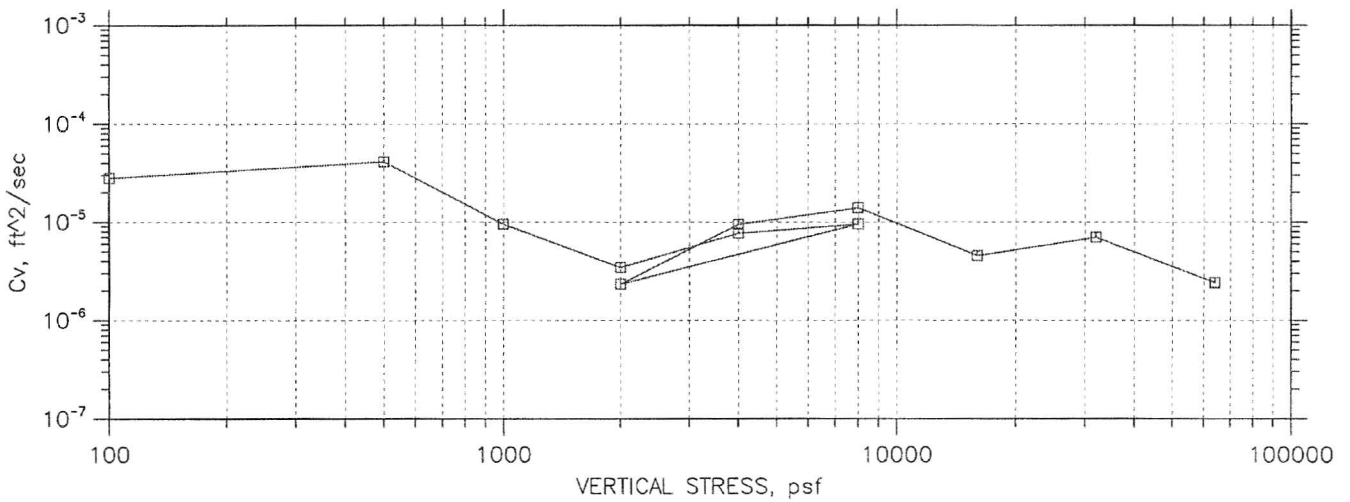
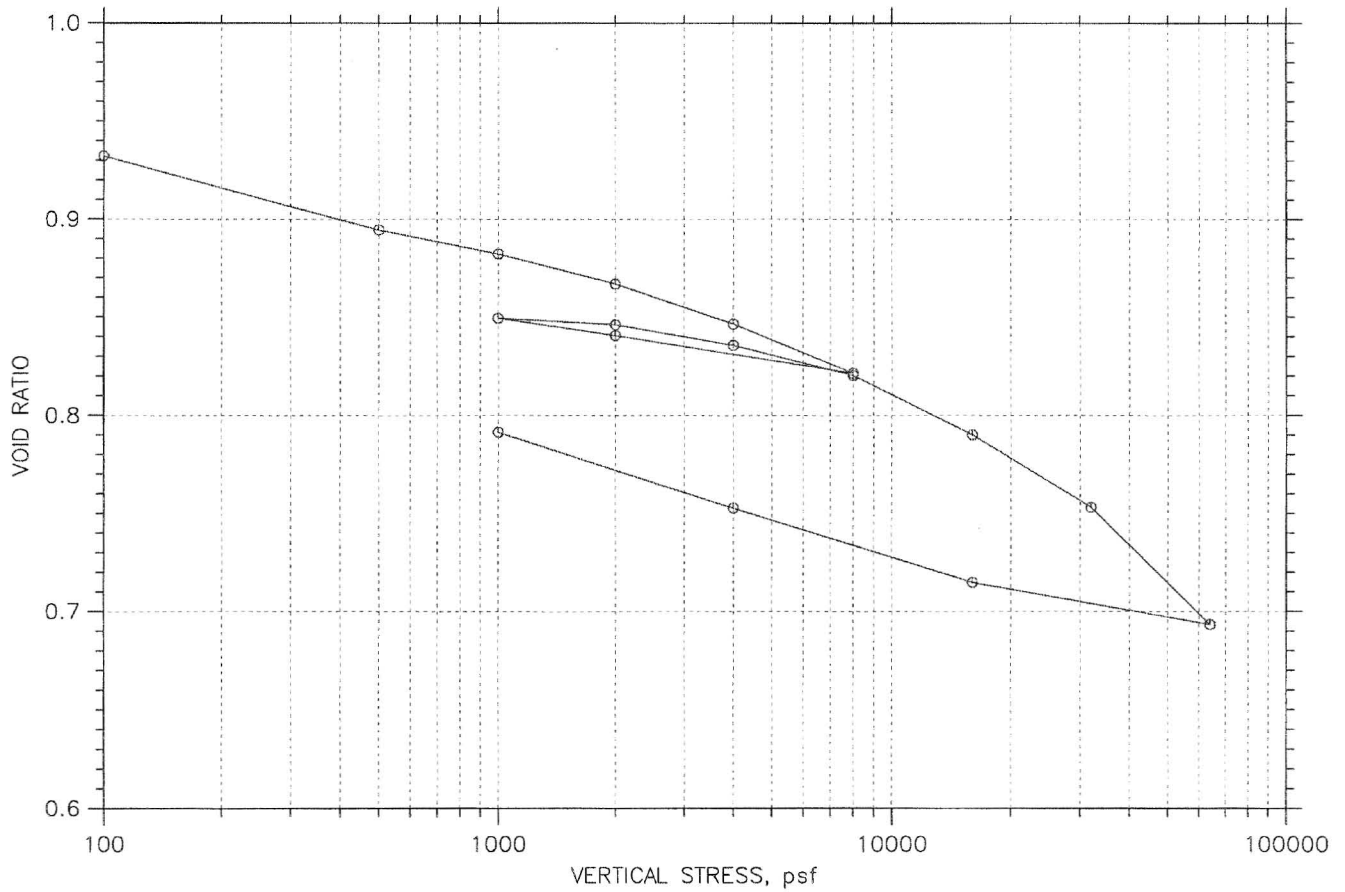


				Before Test	After Test	
Overburden Pressure: 1.03e+004 psf				Water Content, %	32.44	32.51
Preconsolidation Pressure: 0 psf				Dry Unit Weight, pcf	87.05	94.09
Compression Index: 0.16				Saturation, %	93.55	110.89
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.94	0.79
LL: 62	PL: 26	PI: 36	GS: 2.70			

MACTEC	Project: Vogtle COL		Location: B-3023		Project No.: 6141060286	
	Boring No.: B-3023		Tested By: BM		Checked By: HJ <i>HJ 10/30/07</i>	
	Sample No.: UD-2		Test Date: 5/29/07		Depth: 103.00'	
	Test No.: 7536		Sample Type: Undisturbed		Elevation: 119.81'	
	Description: CLAY (CH)					
	Remarks: Cr= 0.031					

CONSOLIDATION TEST DATA

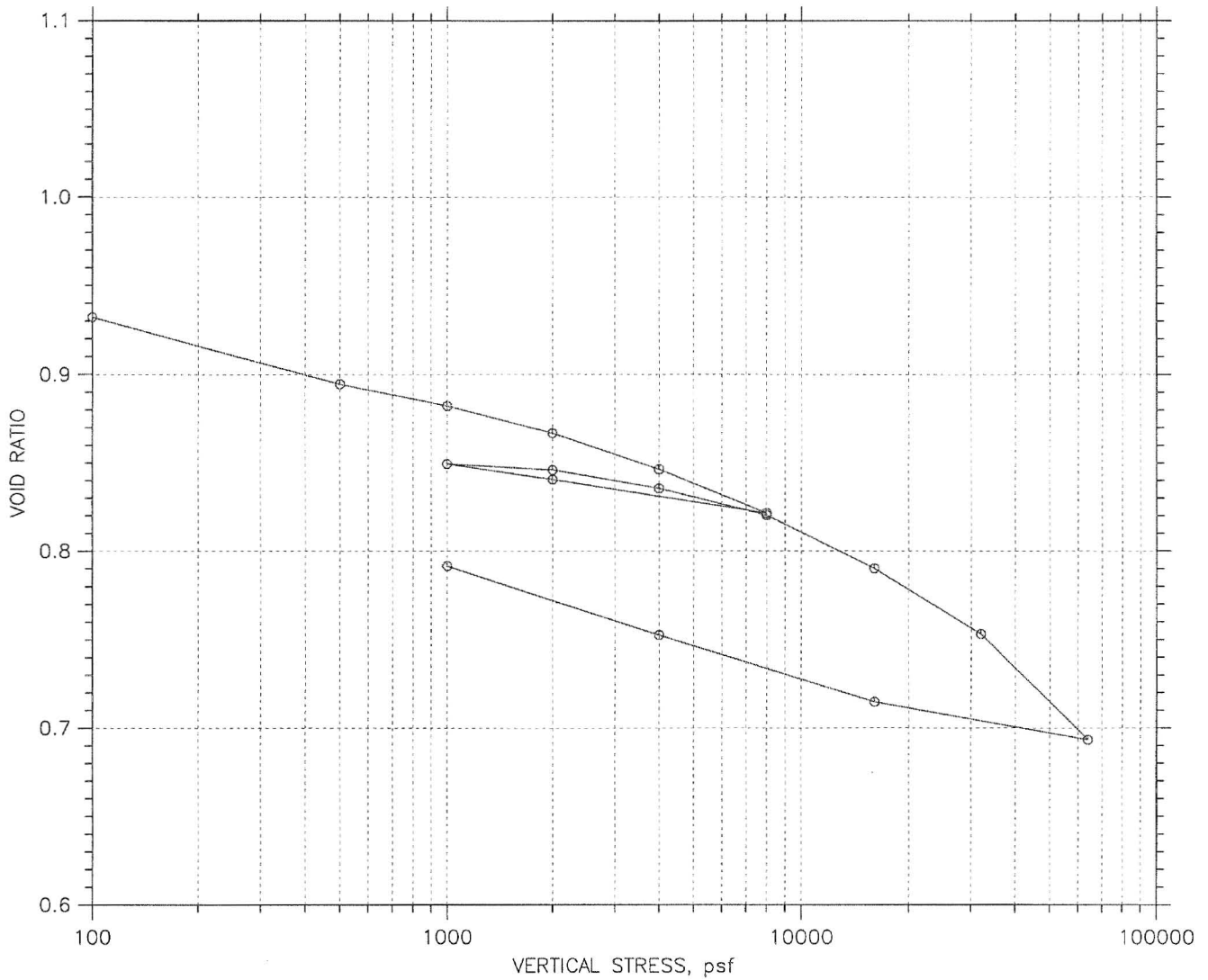
SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks: $C_r = 0.031$		

CONSOLIDATION TEST DATA

SUMMARY REPORT



		Before Test	After Test
Overburden Pressure: 1.03e+004 psf		32.44	32.51
Preconsolidation Pressure: 0 psf		87.05	94.09
Compression Index: 0.16		93.55	110.89
Diameter: 2.5 in	Height: 1 in	0.94	0.79
LL: 62	PL: 26		
PI: 36	GS: 2.70		

MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks: Cr= 0.031		

CONSOLIDATION TEST DATA

Project: Vogtle COL
 Boring No.: B-3023
 Sample No.: UD-2
 Test No.: 7536

Location: B-3023
 Tested By: BM
 Test Date: 5/29/07
 Sample Type: Undisturbed

Project No.: 6141060286
 Checked By: HJ
 Depth: 103.00'
 Elevation: 119.81'

Soil Description: CLAY (CH)
 Remarks: Cr= 0.031

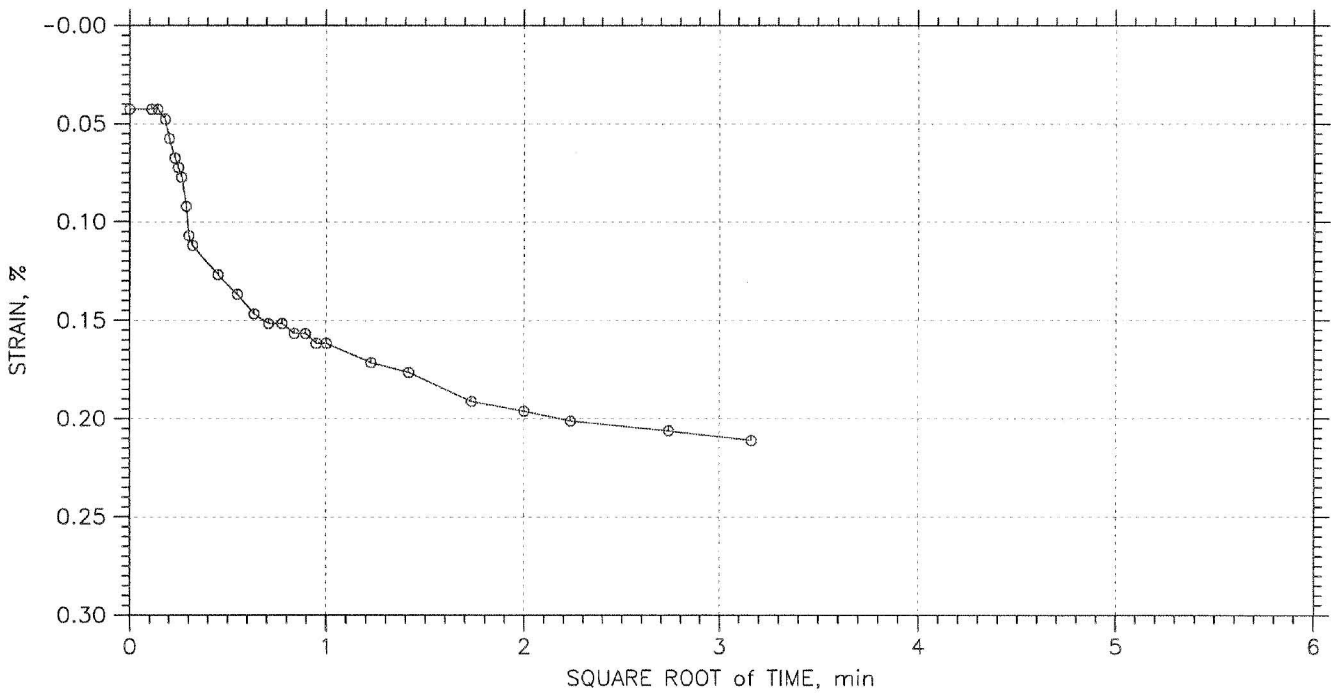
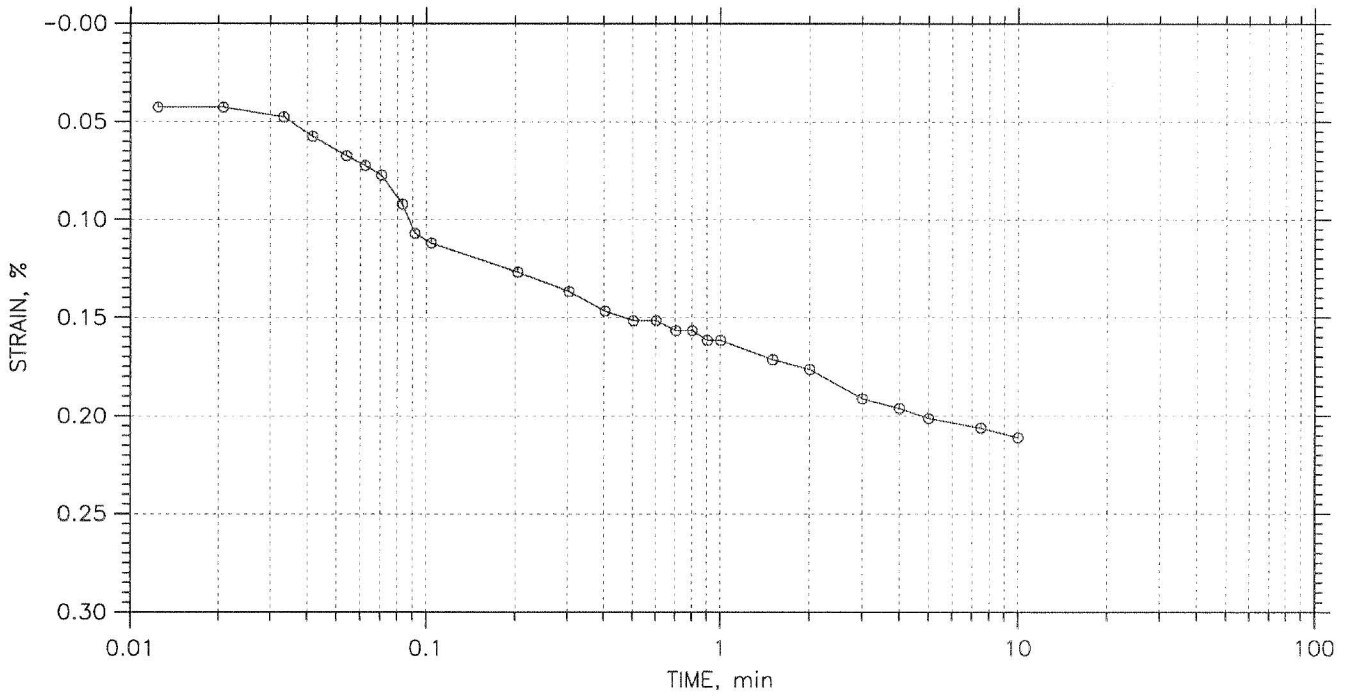
	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Sq.Rt. min	Fitting		Coefficient of Consolidation		
						Log min	Sq.Rt. ft ² /sec	Log ft ² /sec	Ave. ft ² /sec	
1	100	0.002111	0.932	0.21	0.3	0.1	2.06e-005	4.37e-005	2.80e-005	
2	500	0.02166	0.894	2.17	0.1	0.0	4.11e-005	0.00e+000	4.11e-005	
3	1e+003	0.02798	0.882	2.80	0.7	0.5	7.88e-006	1.19e-005	9.49e-006	
4	2e+003	0.03592	0.867	3.59	2.6	0.5	2.04e-006	1.13e-005	3.45e-006	
5	4e+003	0.04648	0.846	4.65	0.9	0.4	5.54e-006	1.26e-005	7.69e-006	
6	8e+003	0.05941	0.821	5.94	0.9	0.2	5.80e-006	2.61e-005	9.49e-006	
7	2e+003	0.04951	0.841	4.95	1.2	0.0	4.25e-006	0.00e+000	4.25e-006	
8	1e+003	0.04495	0.849	4.50	2.6	3.1	2.01e-006	1.68e-006	1.83e-006	
9	2e+003	0.04668	0.846	4.67	2.2	0.0	2.34e-006	0.00e+000	2.34e-006	
10	4e+003	0.05208	0.836	5.21	1.0	0.1	5.34e-006	4.09e-005	9.45e-006	
11	8e+003	0.06001	0.820	6.00	0.4	0.0	1.40e-005	0.00e+000	1.40e-005	
12	1.6e+004	0.07556	0.790	7.56	1.4	0.8	3.57e-006	6.23e-006	4.54e-006	
13	3.2e+004	0.09471	0.753	9.47	0.9	0.5	5.35e-006	1.02e-005	7.02e-006	
14	6.4e+004	0.1256	0.693	12.56	1.7	2.0	2.69e-006	2.22e-006	2.43e-006	
15	1.6e+004	0.1145	0.715	11.45	0.0	0.0	1.49e-004	1.59e-004	1.54e-004	
16	4e+003	0.0949	0.753	9.49	4.5	0.0	1.01e-006	0.00e+000	1.01e-006	
17	1e+003	0.07484	0.791	7.48	11.1	0.0	4.32e-007	0.00e+000	4.32e-007	

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 1 of 17

Stress: 100. psf



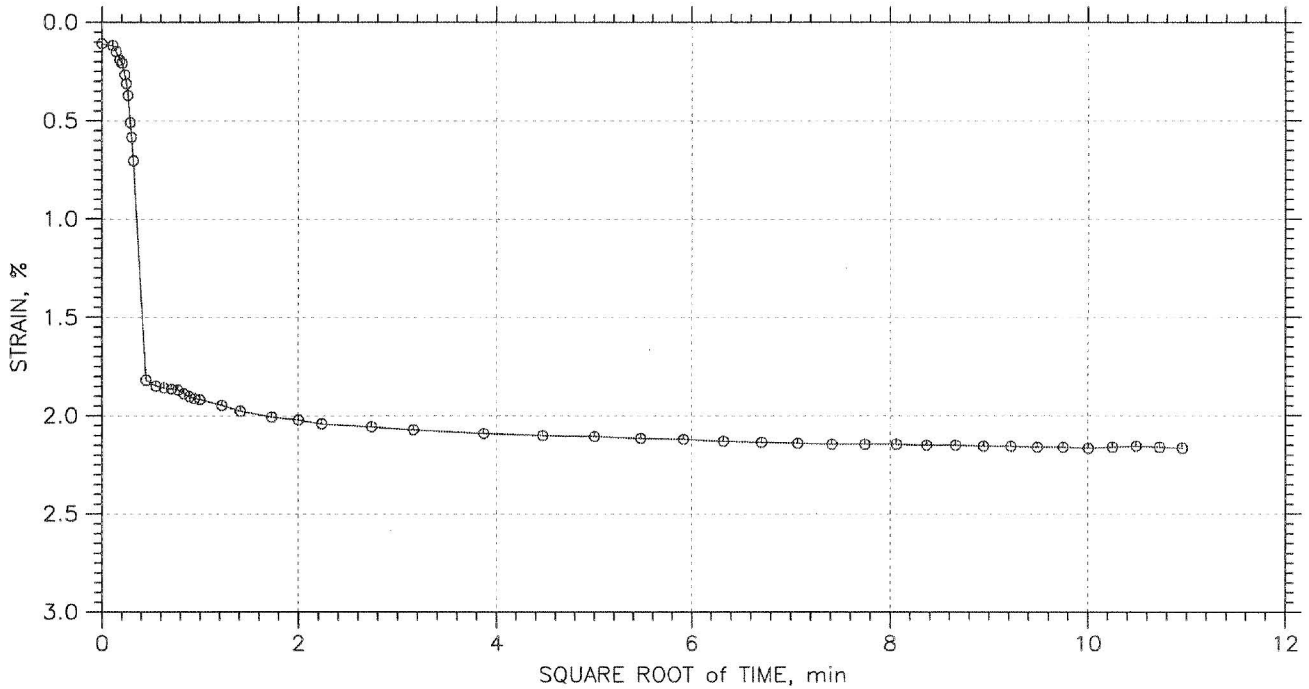
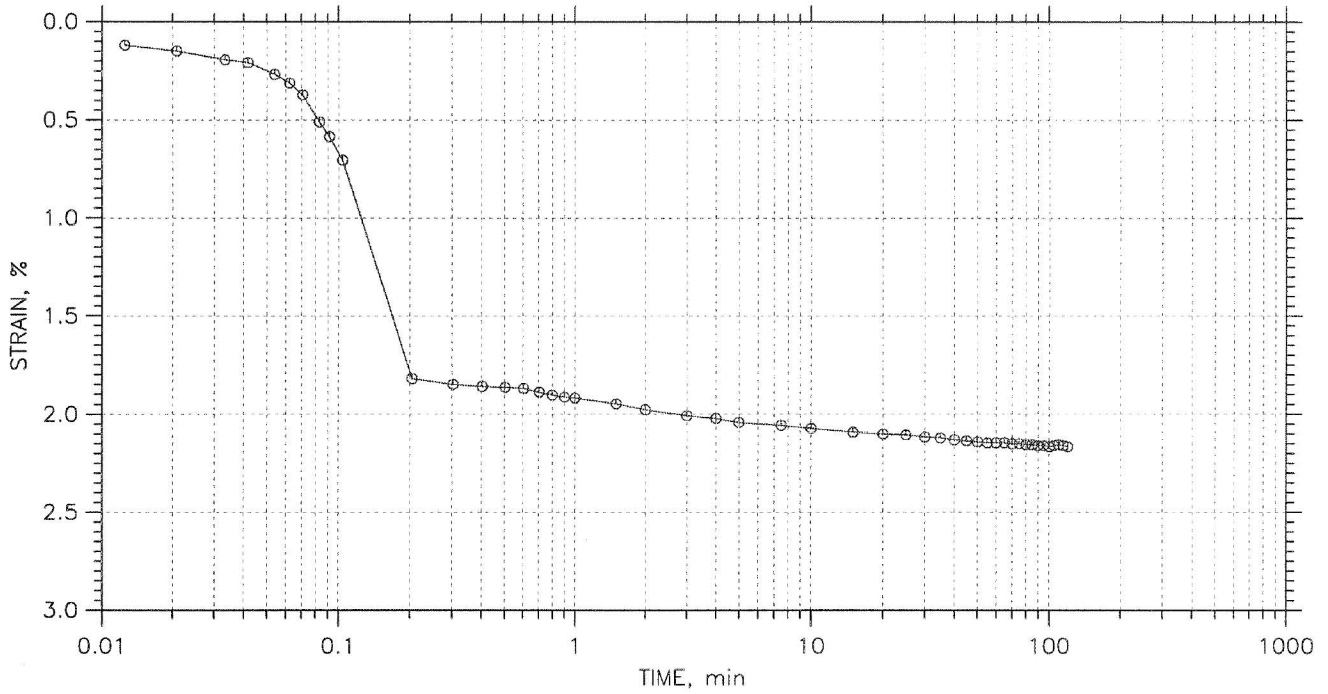
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 2 of 17

Stress: 500. psf



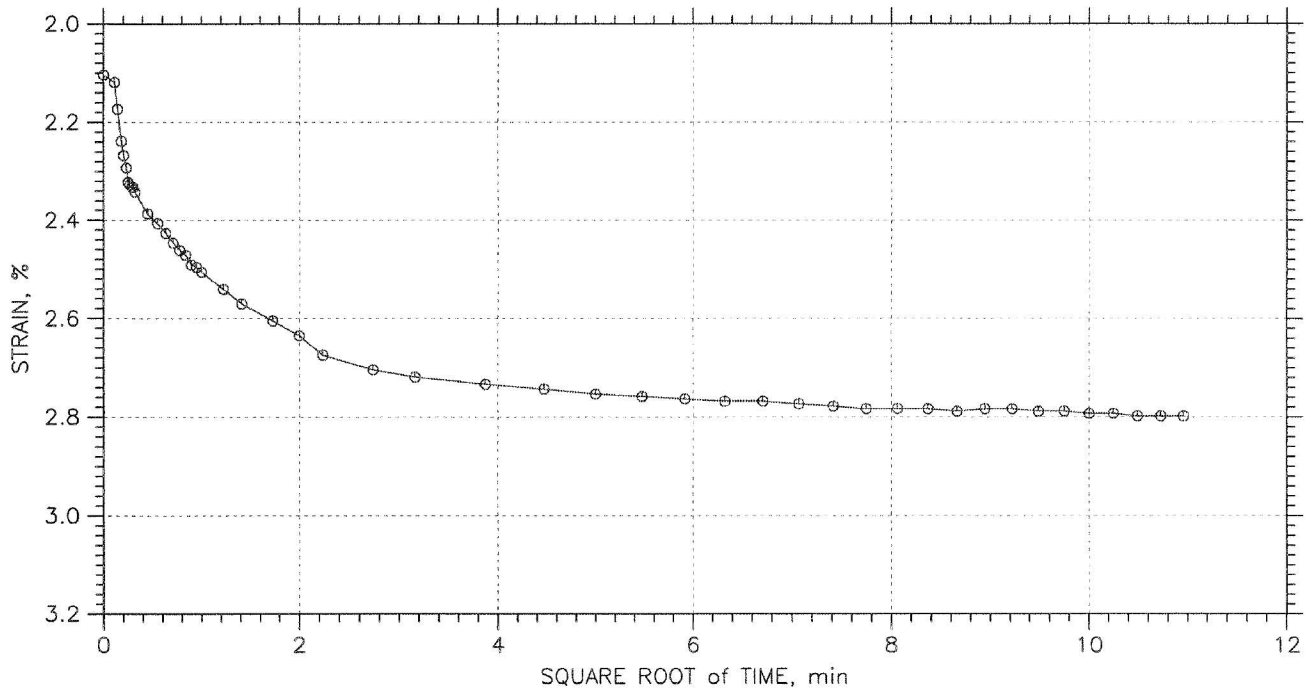
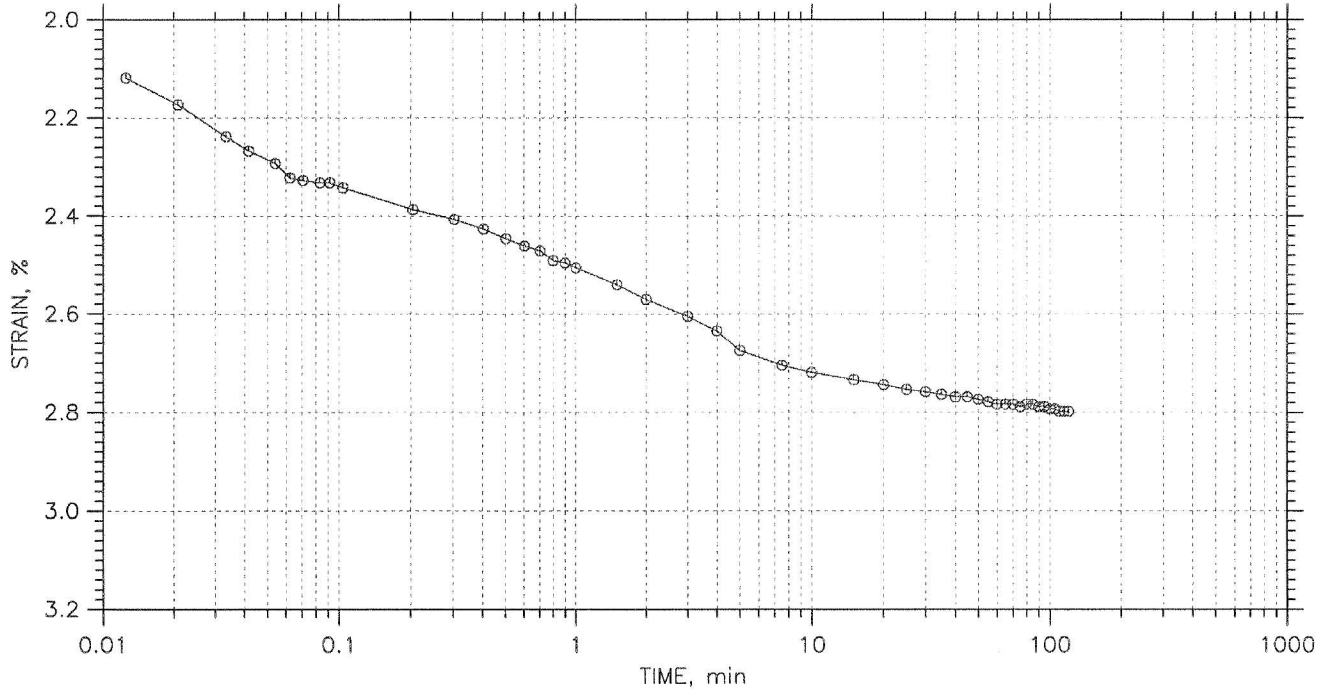
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 3 of 17

Stress: 1000. psf



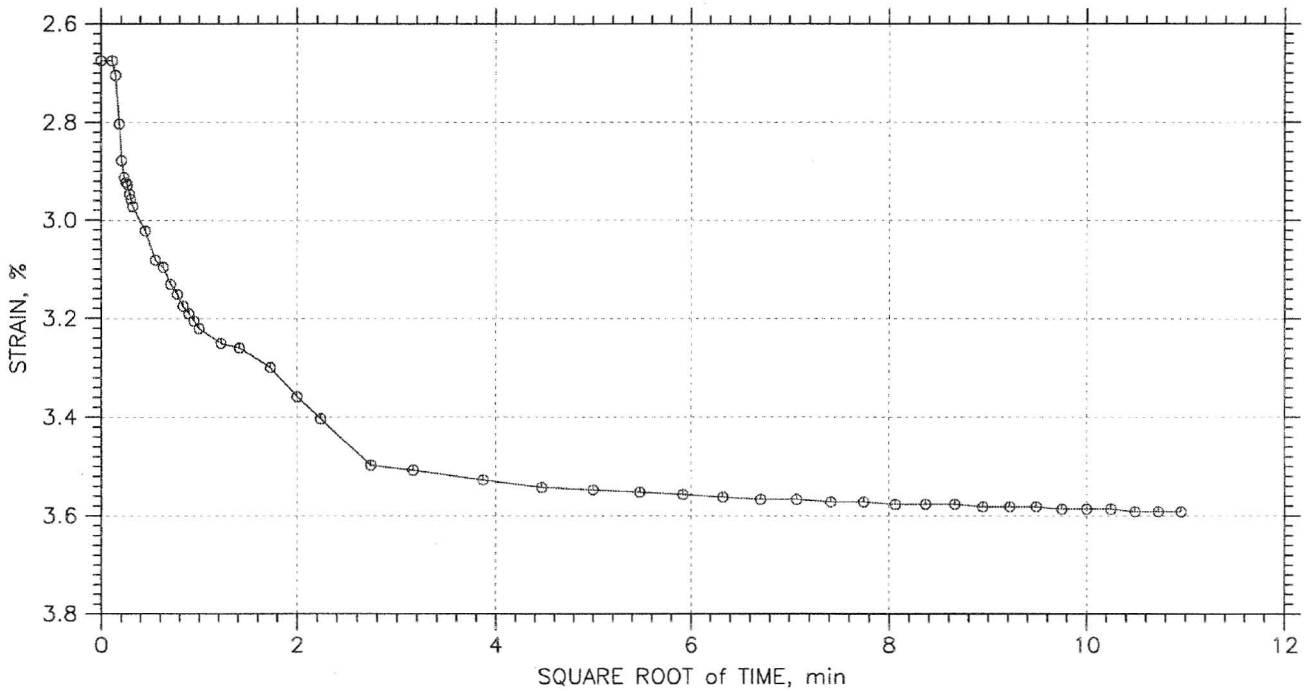
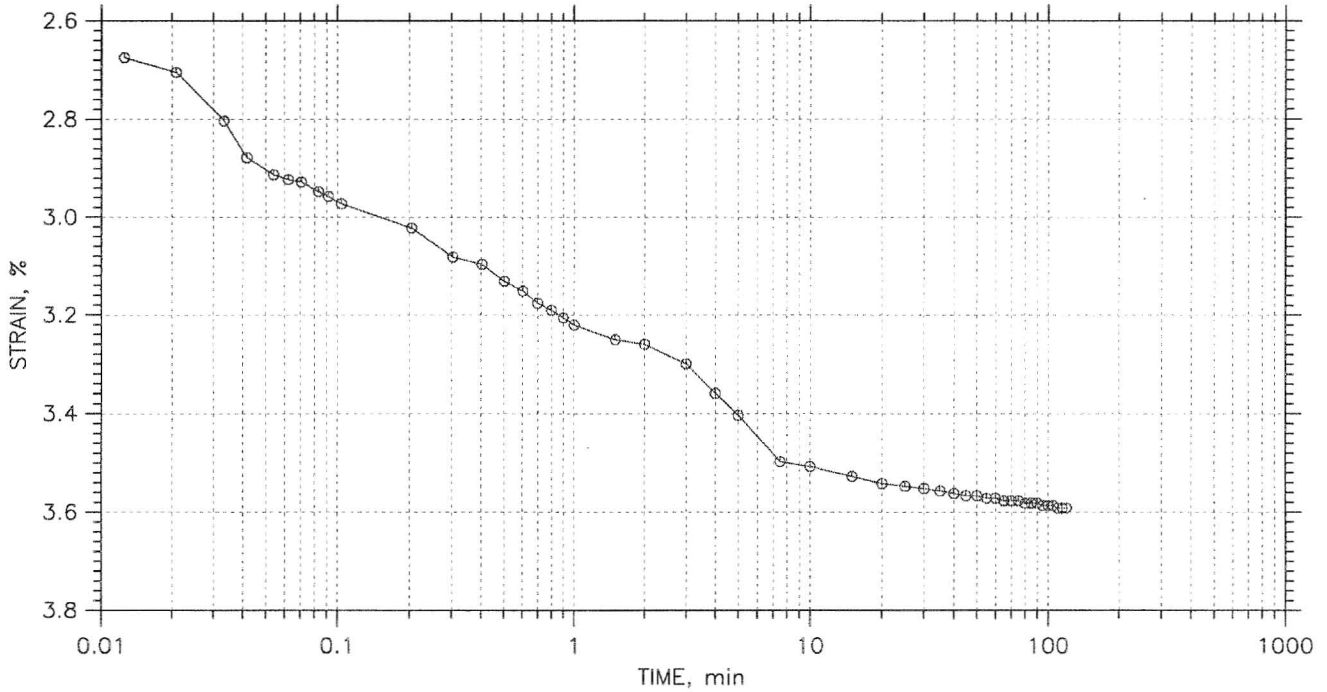
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 4 of 17

Stress: 2000. psf



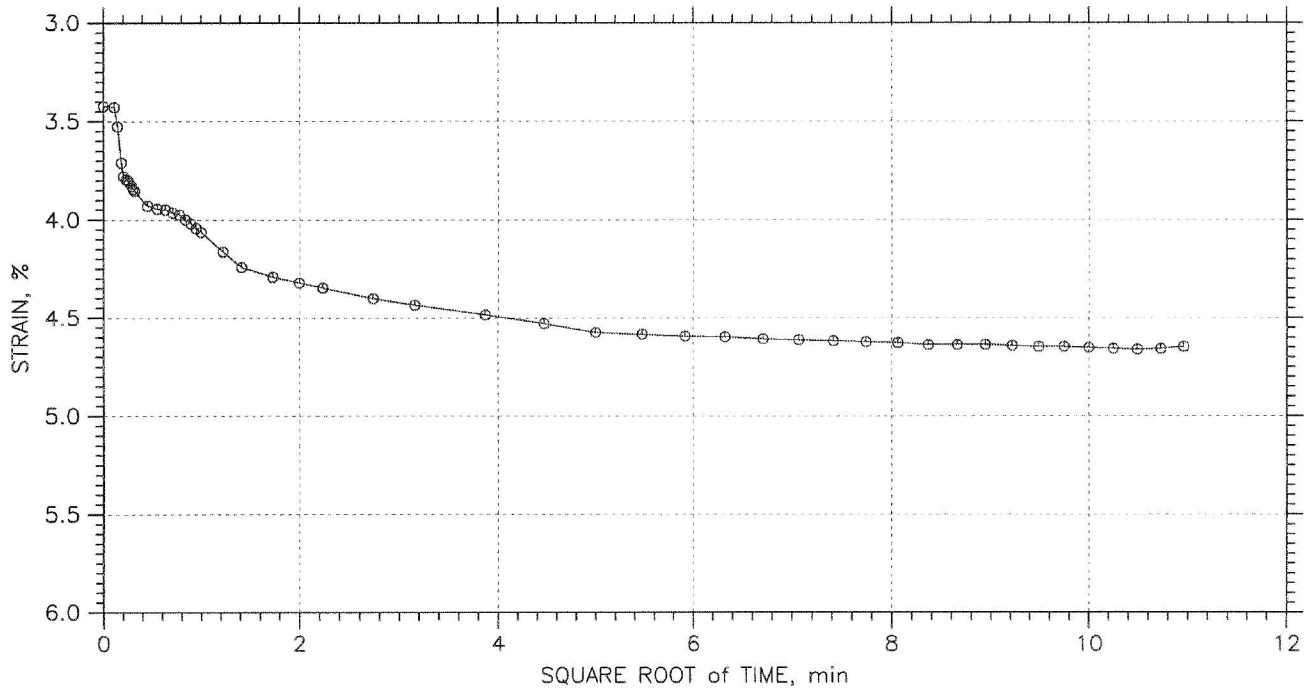
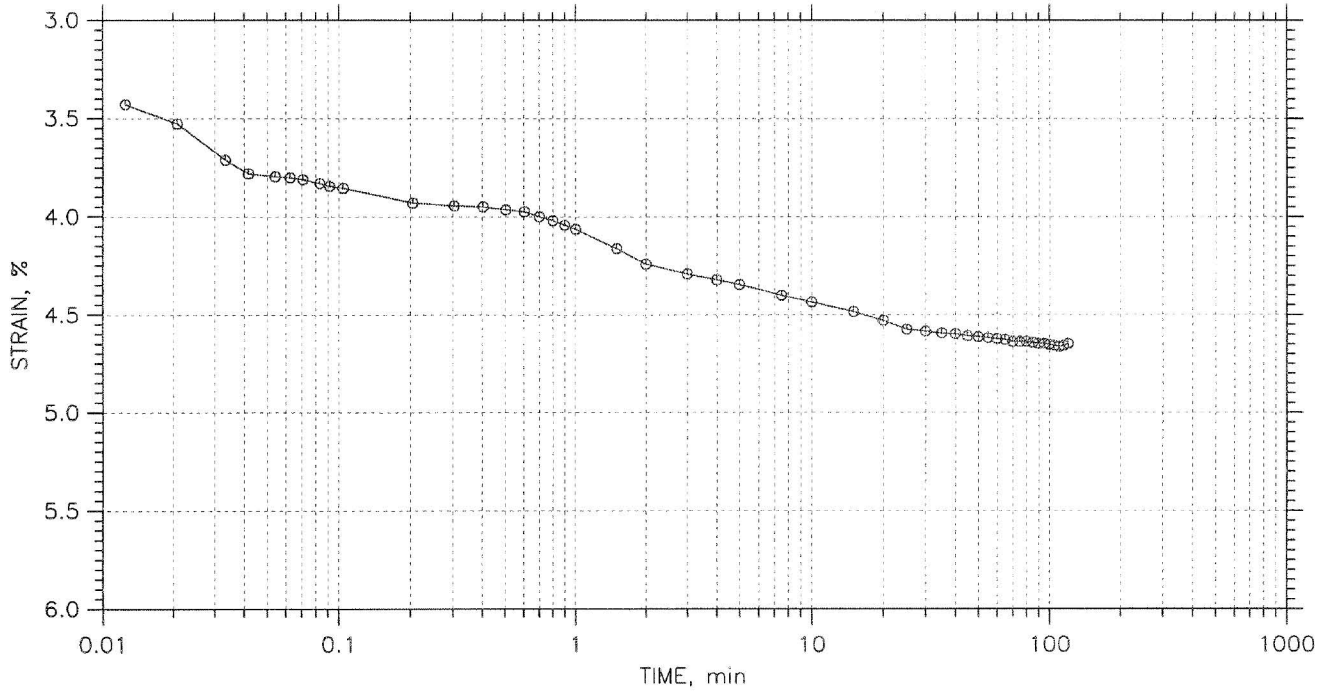
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 5 of 17

Stress: 4000. psf



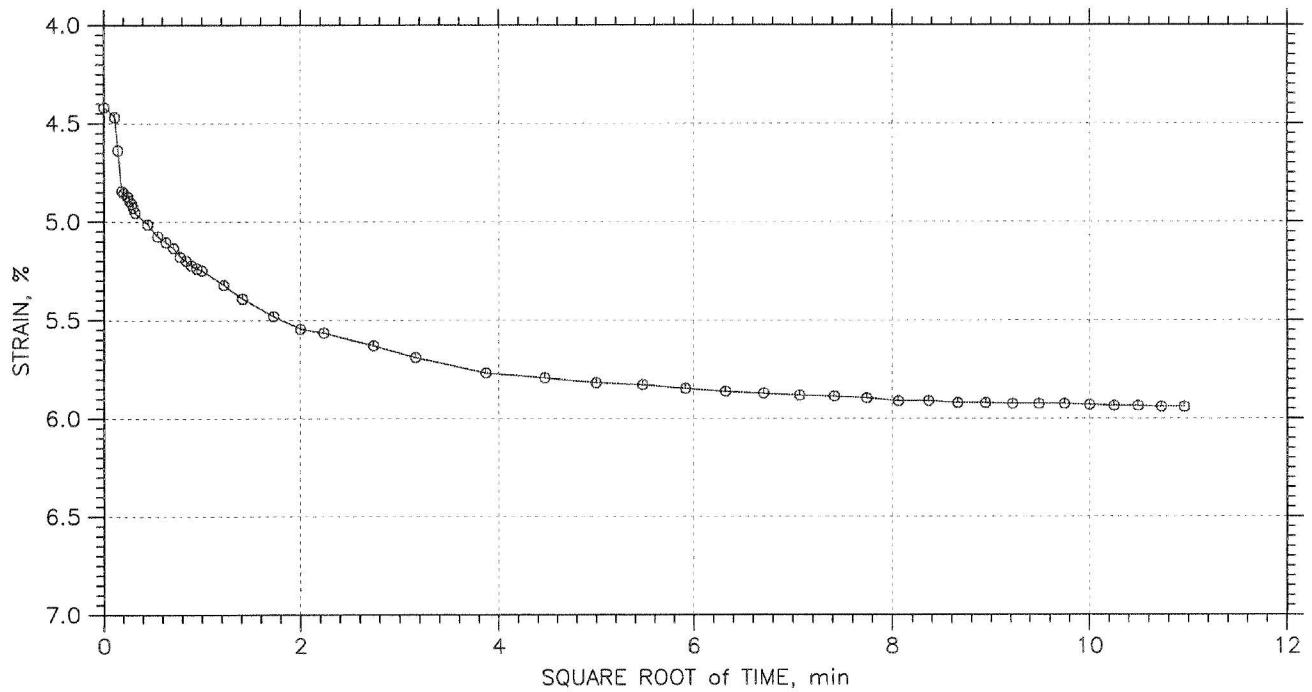
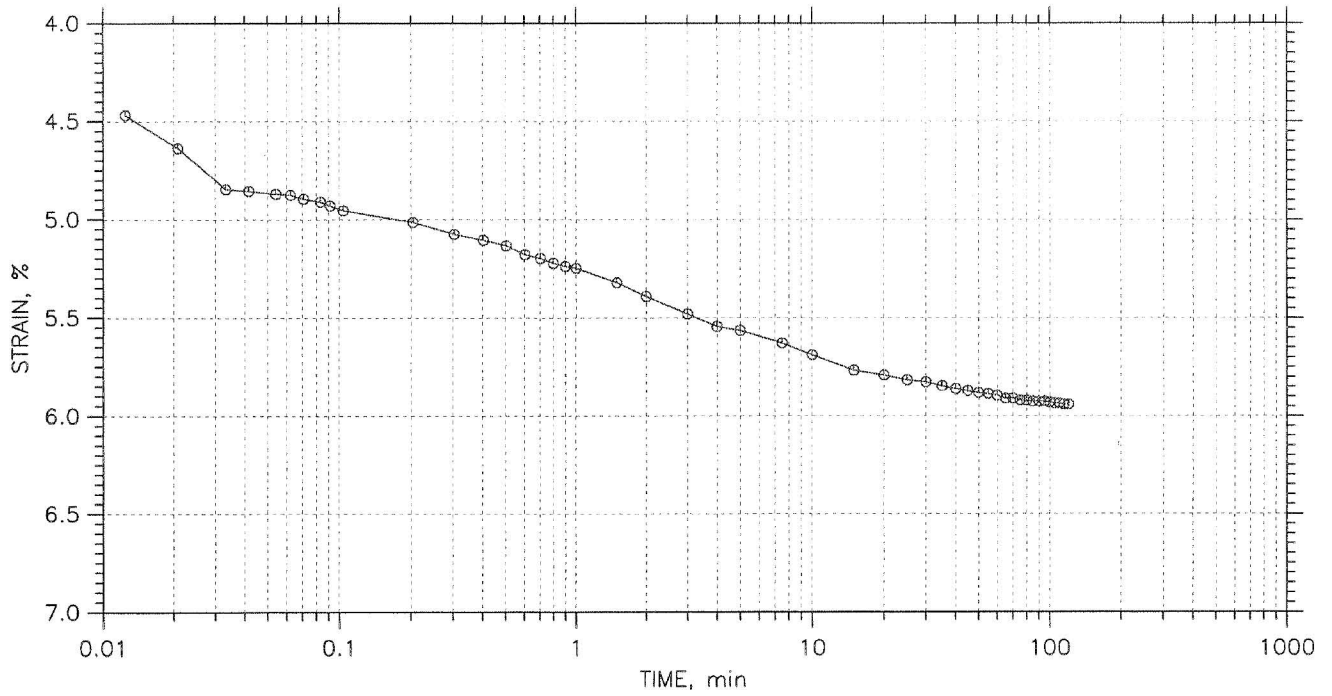
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 6 of 17

Stress: 8000. psf



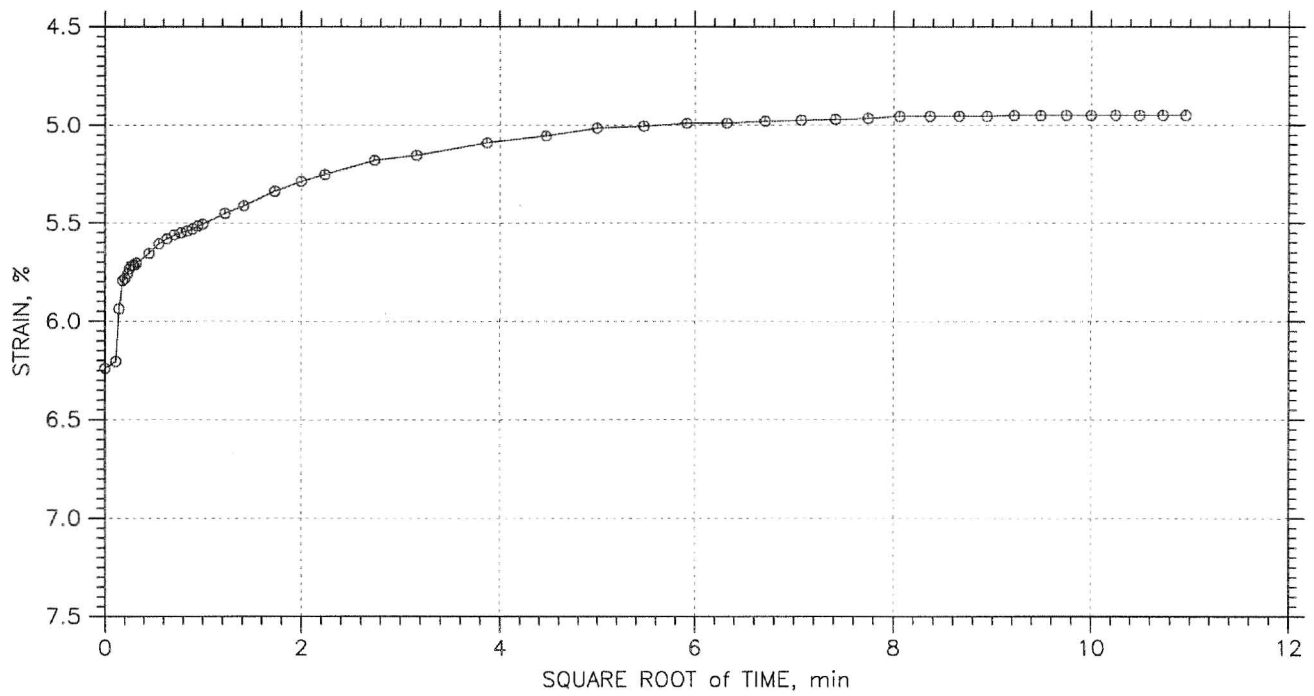
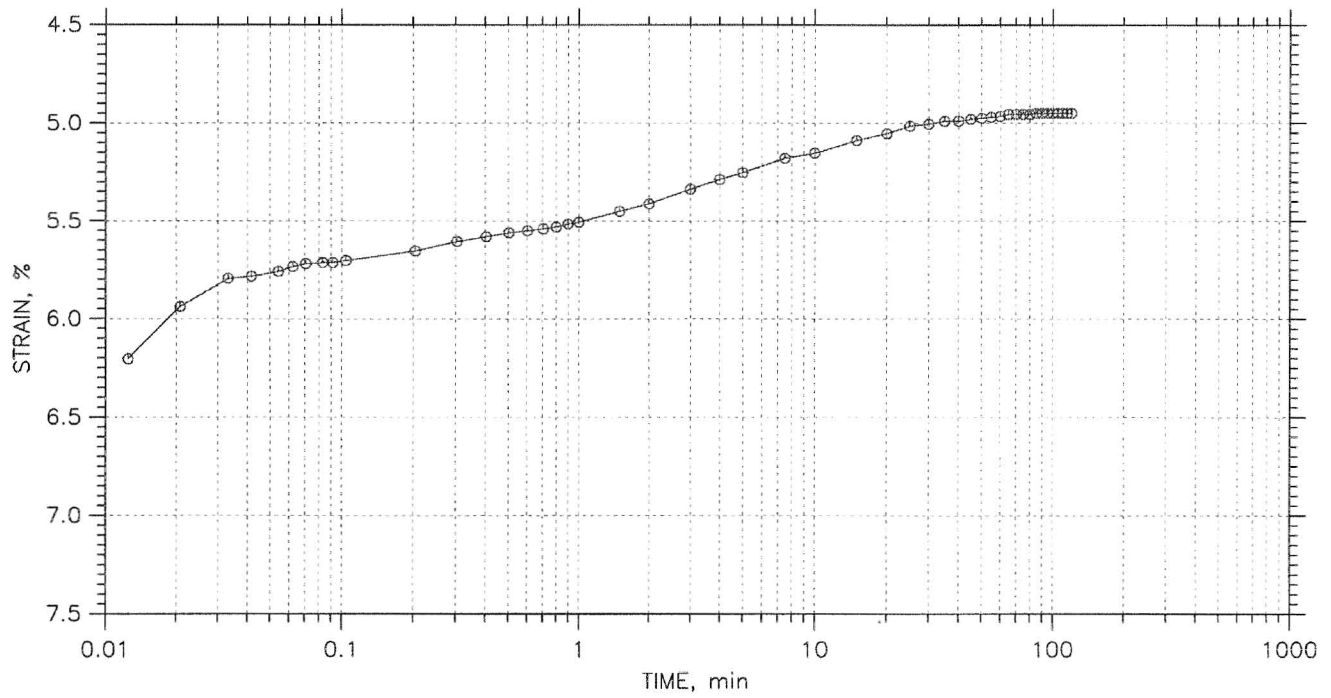
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 7 of 17

Stress: 2000. psf



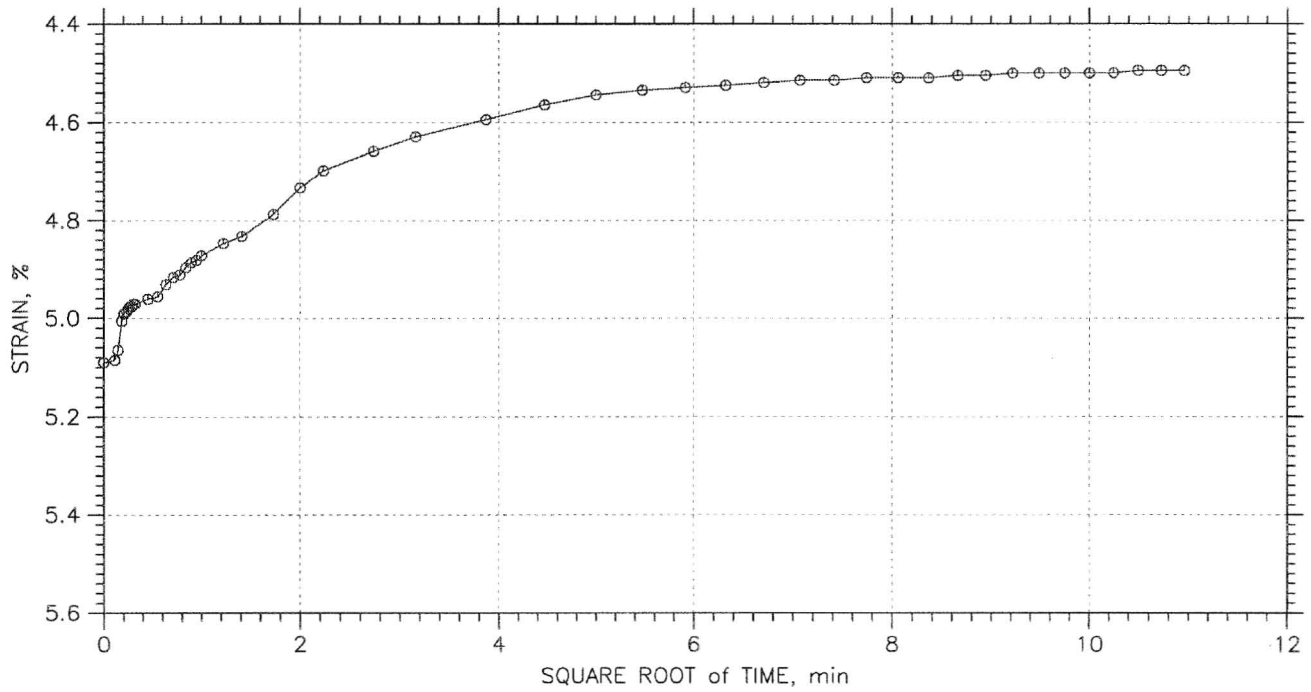
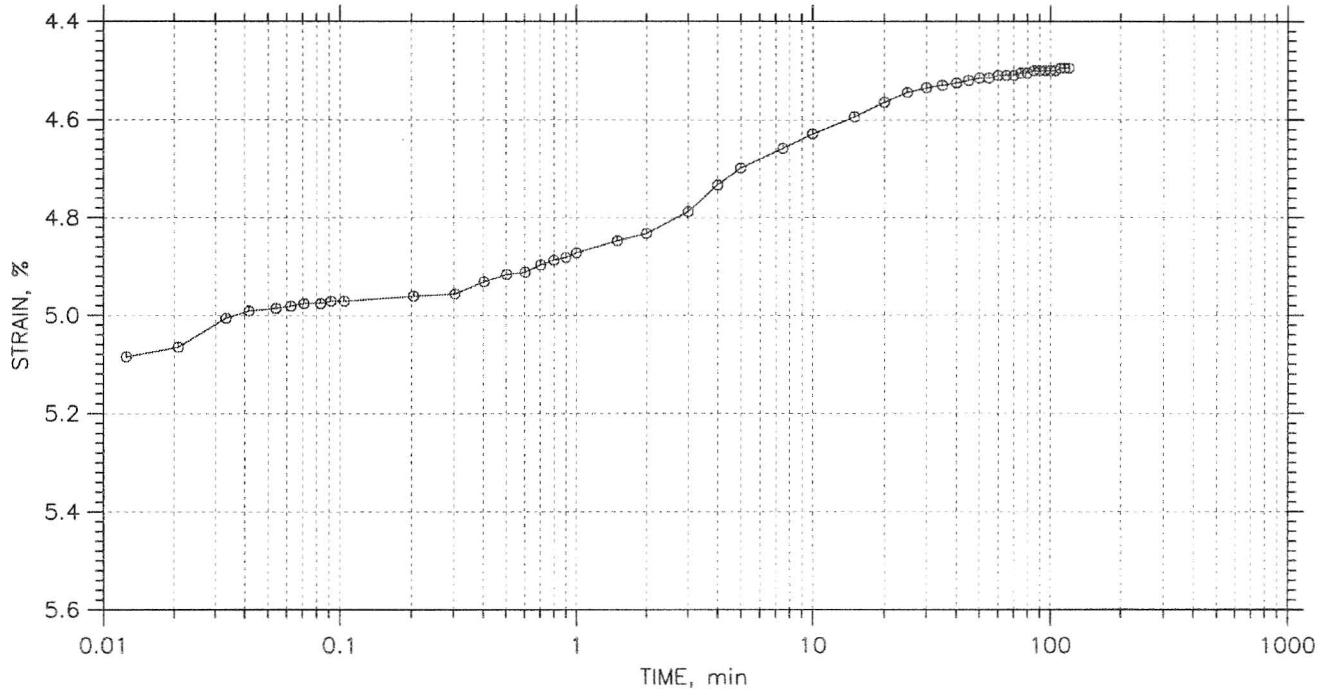
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 17

Stress: 1000. psf



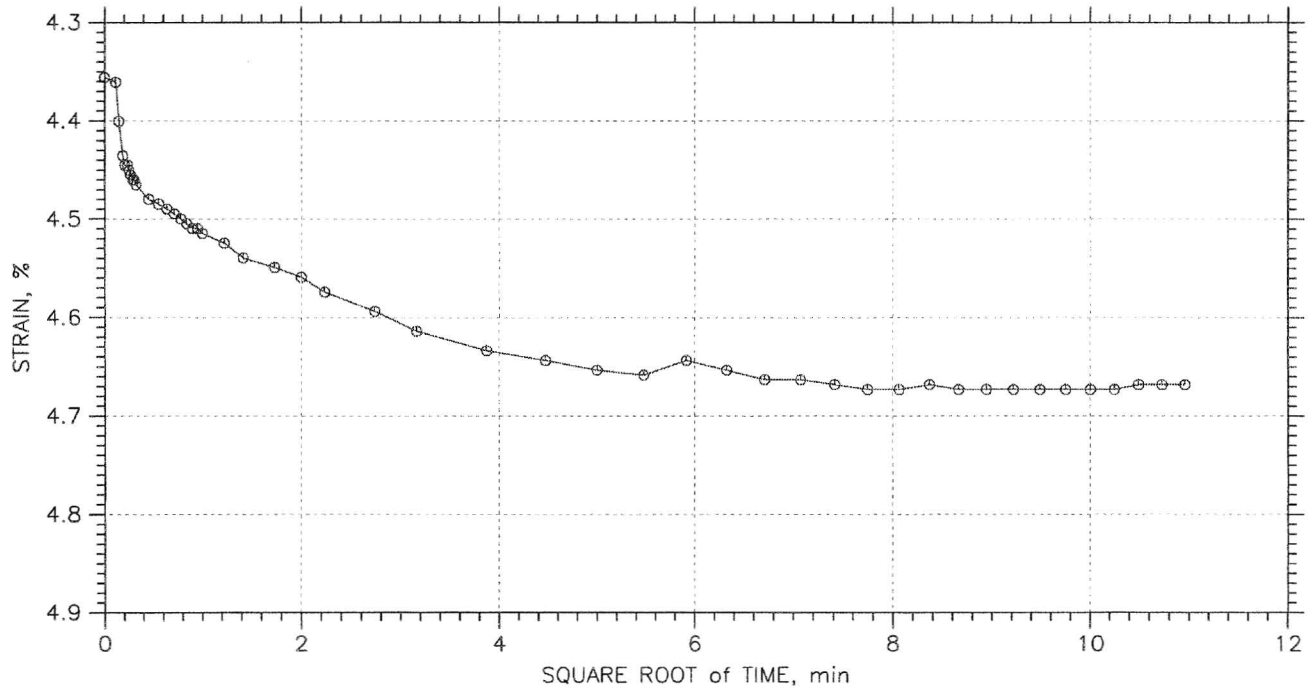
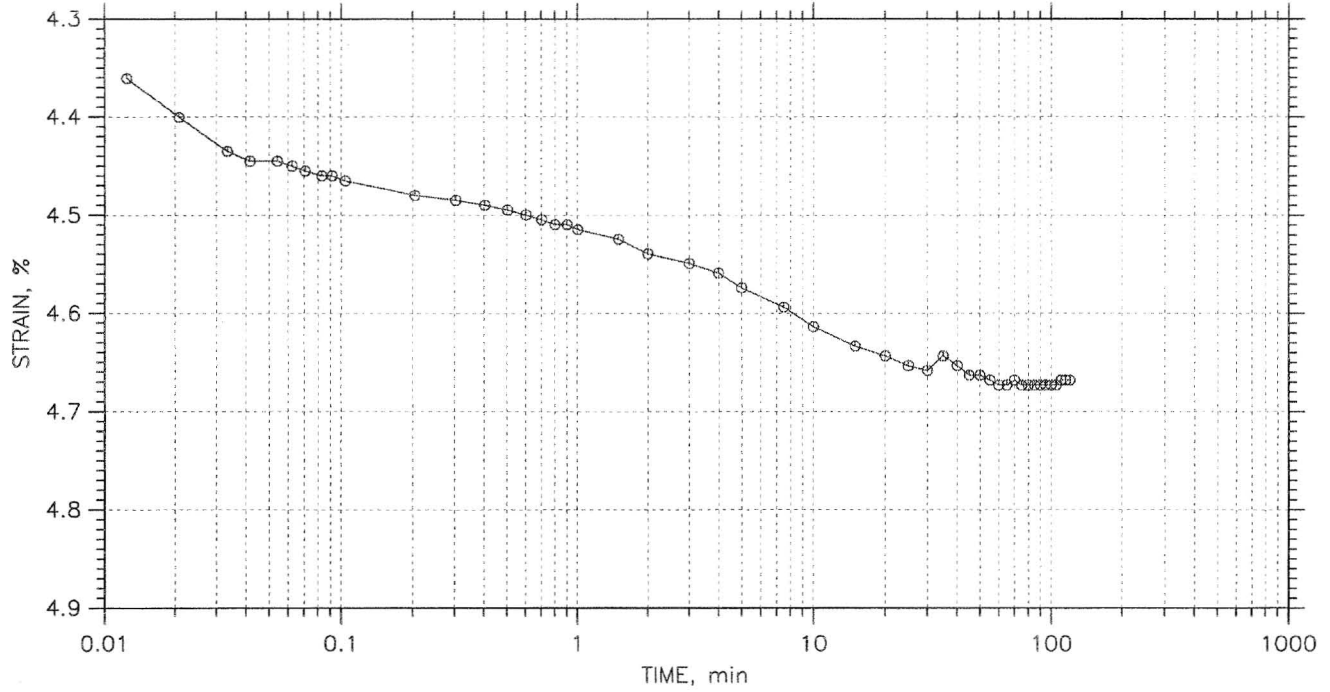
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 9 of 17

Stress: 2000. psf



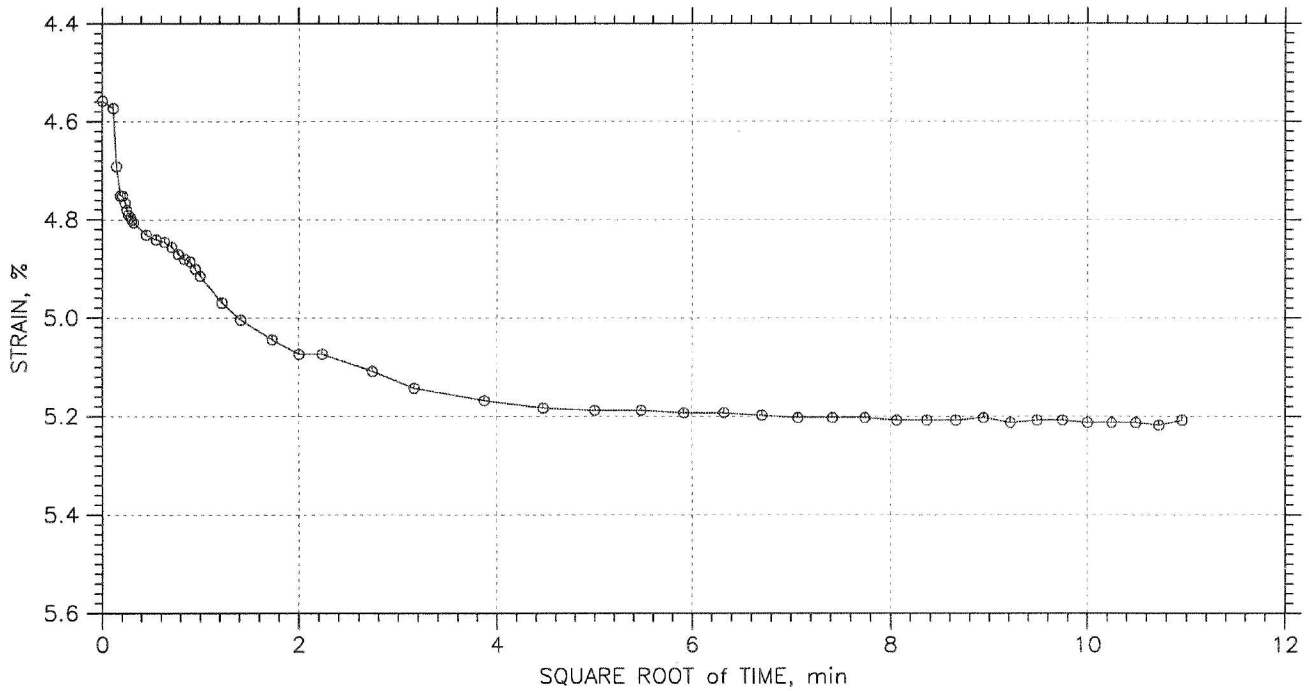
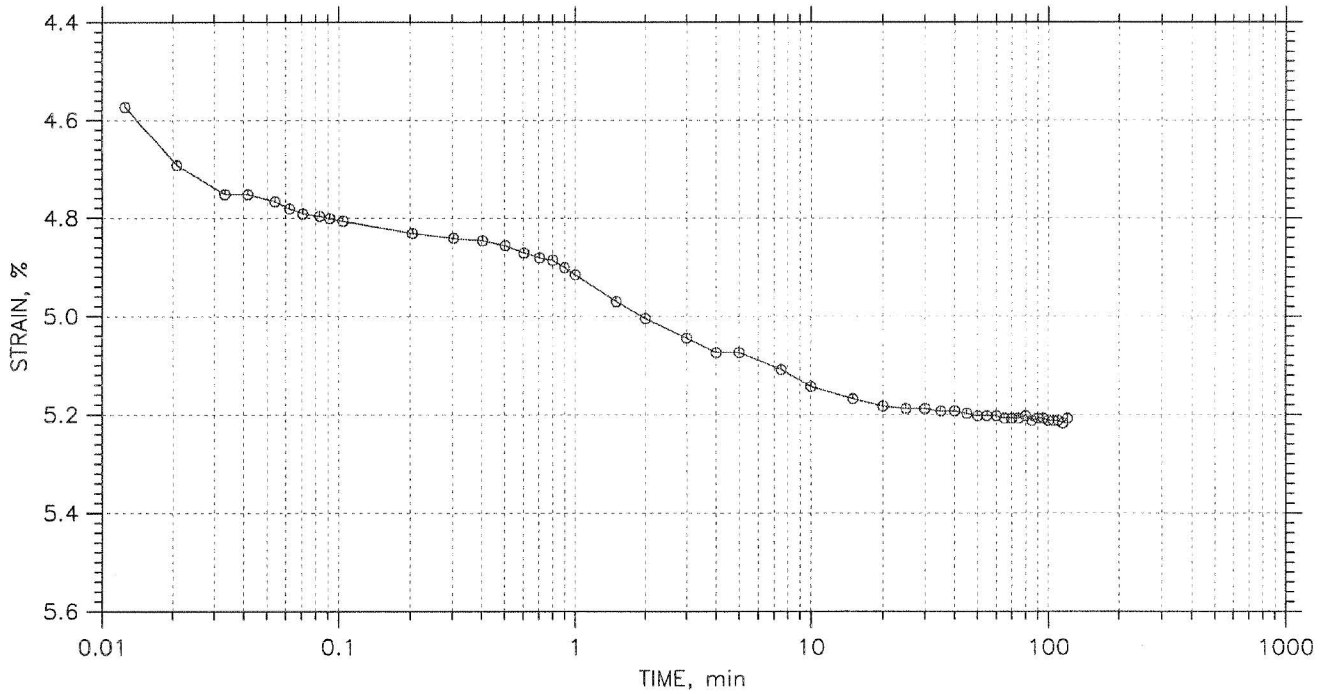
MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 17

Stress: 4000. psf



MACTEC	Project: Vogtle COL	Location: B-3023	Project No.: 6141060286
	Boring No.: B-3023	Tested By: BM	Checked By: HJ
	Sample No.: UD-2	Test Date: 5/29/07	Depth: 103.00'
	Test No.: 7536	Sample Type: Undisturbed	Elevation: 119.81'
	Description: CLAY (CH)		
	Remarks:		