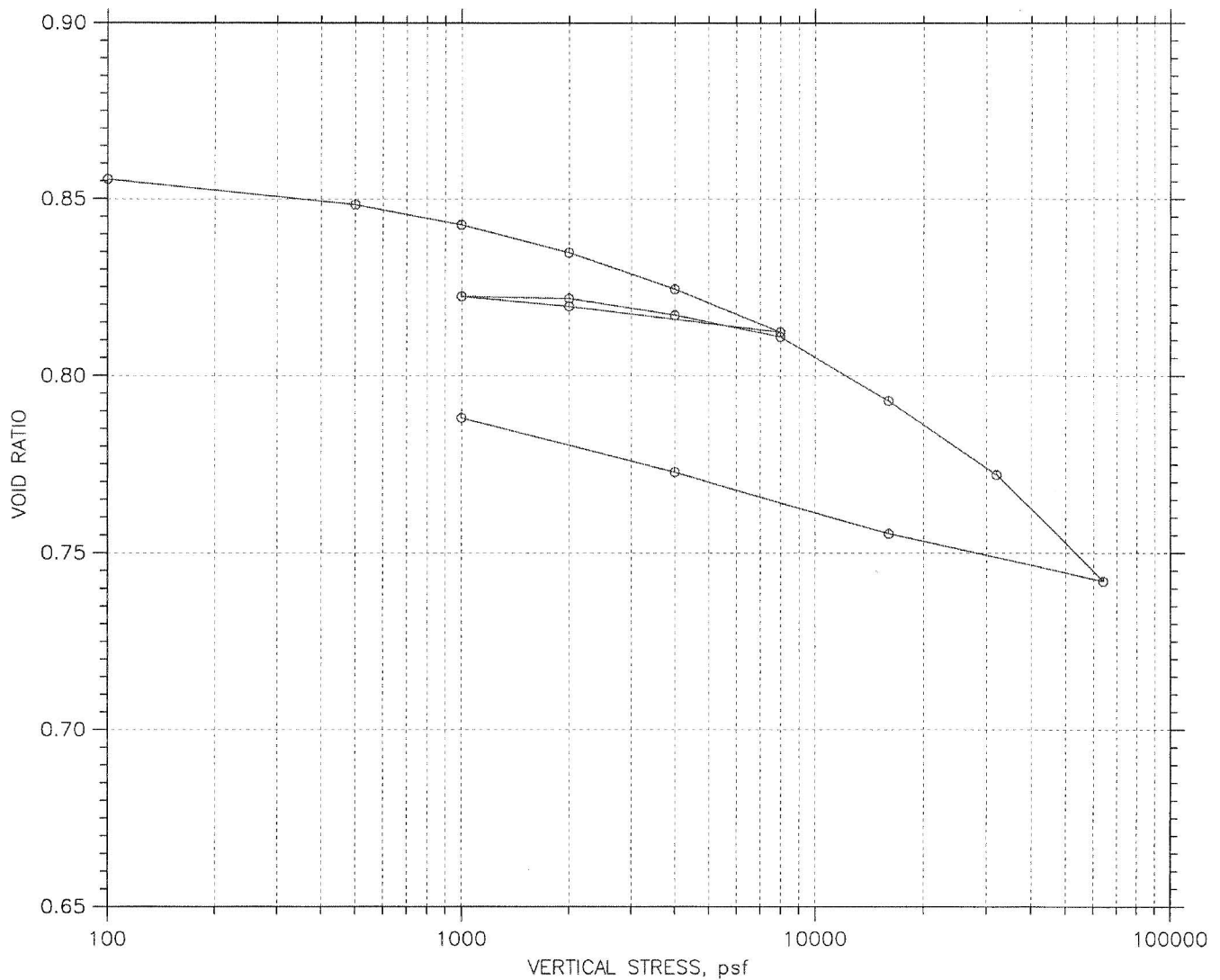


CONSOLIDATION TEST DATA

SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 9900 psf				Water Content, %	26.36	30.51
Preconsolidation Pressure: 0 psf				Dry Unit Weight, pcf	90.76	94.26
Compression Index: 0.085				Saturation, %	83.04	104.51
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.86	0.79
LL: 66	PL: 34	PI: 32	GS: 2.70			

MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks: Cr= 0.011		

CONSOLIDATION TEST DATA

Project: Vogtle COL
Boring No.: B-1164
Sample No.: UD-4
Test No.: 7633

Location: B-1164
Tested By: BM
Test Date: 6/15/07
Sample Type: Undisturbed

Project No.: 6141060286
Checked By: JW
Depth: 98.00'
Elevation: 122.05'

Soil Description: SILT, with sand (MH)
Remarks: Cr= 0.011

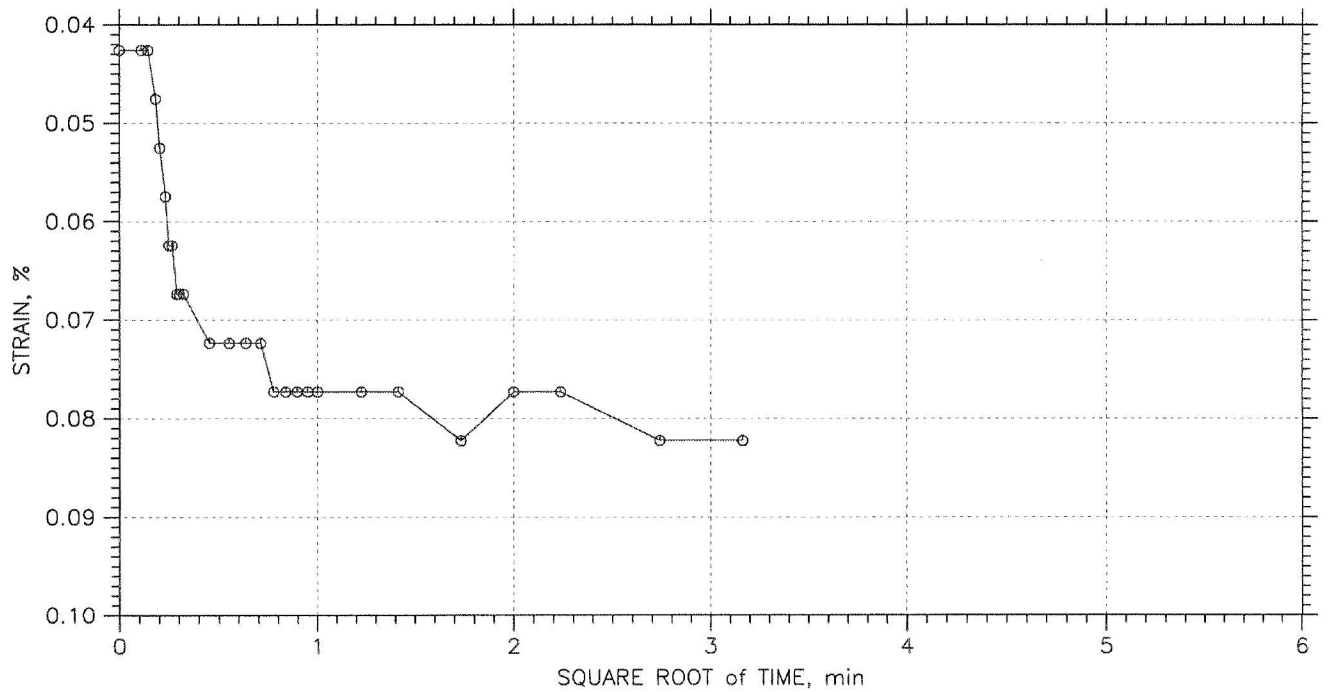
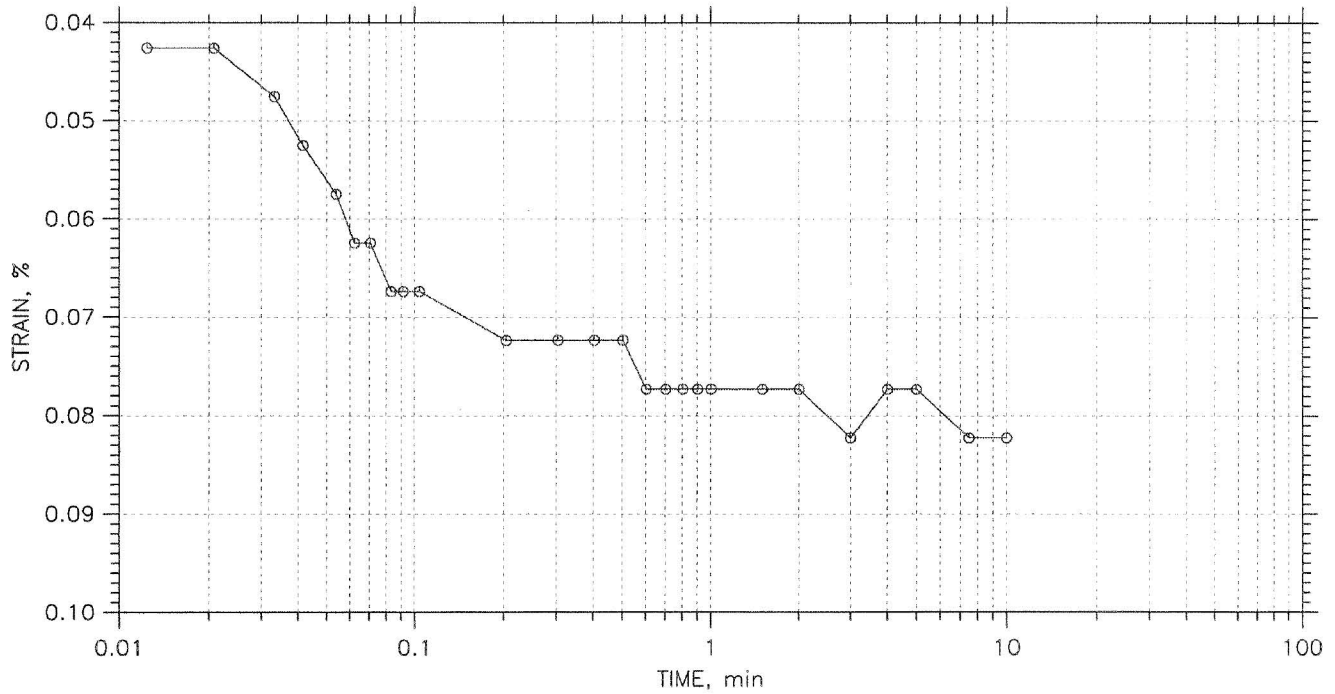
	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting		Coefficient of Consolidation		
					Sq.Rt. min	Log min	Sq.Rt. ft ² /sec	Log ft ² /sec	Ave. ft ² /sec
1	100	0.0008226	0.856	0.08	0.1	0.0	7.20e-005	0.00e+000	7.20e-005
2	500	0.004708	0.848	0.47	0.1	0.1	9.04e-005	1.05e-004	9.70e-005
3	1e+003	0.00776	0.843	0.78	0.1	0.0	8.99e-005	0.00e+000	8.99e-005
4	2e+003	0.01203	0.835	1.20	0.1	0.0	1.08e-004	1.27e-004	1.17e-004
5	4e+003	0.01758	0.824	1.76	0.1	0.0	5.69e-005	1.64e-004	8.45e-005
6	8e+003	0.02412	0.812	2.41	0.1	0.0	7.60e-005	0.00e+000	7.60e-005
7	2e+003	0.02021	0.820	2.02	0.3	0.0	2.18e-005	0.00e+000	2.18e-005
8	1e+003	0.01868	0.822	1.87	0.1	0.0	3.88e-005	0.00e+000	3.88e-005
9	2e+003	0.01903	0.822	1.90	0.1	0.0	7.83e-005	0.00e+000	7.83e-005
10	4e+003	0.02154	0.817	2.15	0.1	0.0	5.28e-005	0.00e+000	5.28e-005
11	8e+003	0.02487	0.811	2.49	0.0	0.0	1.21e-004	0.00e+000	1.21e-004
12	1.6e+004	0.03452	0.793	3.45	0.1	0.0	6.76e-005	2.14e-004	1.03e-004
13	3.2e+004	0.04579	0.772	4.58	0.1	0.0	5.73e-005	2.56e-004	9.37e-005
14	6.4e+004	0.06196	0.742	6.20	0.2	0.0	2.18e-005	2.01e-004	3.94e-005
15	1.6e+004	0.05475	0.755	5.47	0.0	0.0	2.09e-004	0.00e+000	2.09e-004
16	4e+003	0.04538	0.773	4.54	0.2	0.0	2.58e-005	1.98e-004	4.56e-005
17	1e+003	0.03712	0.788	3.71	2.0	0.0	2.65e-006	0.00e+000	2.65e-006

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 1 of 17

Stress: 100. psf



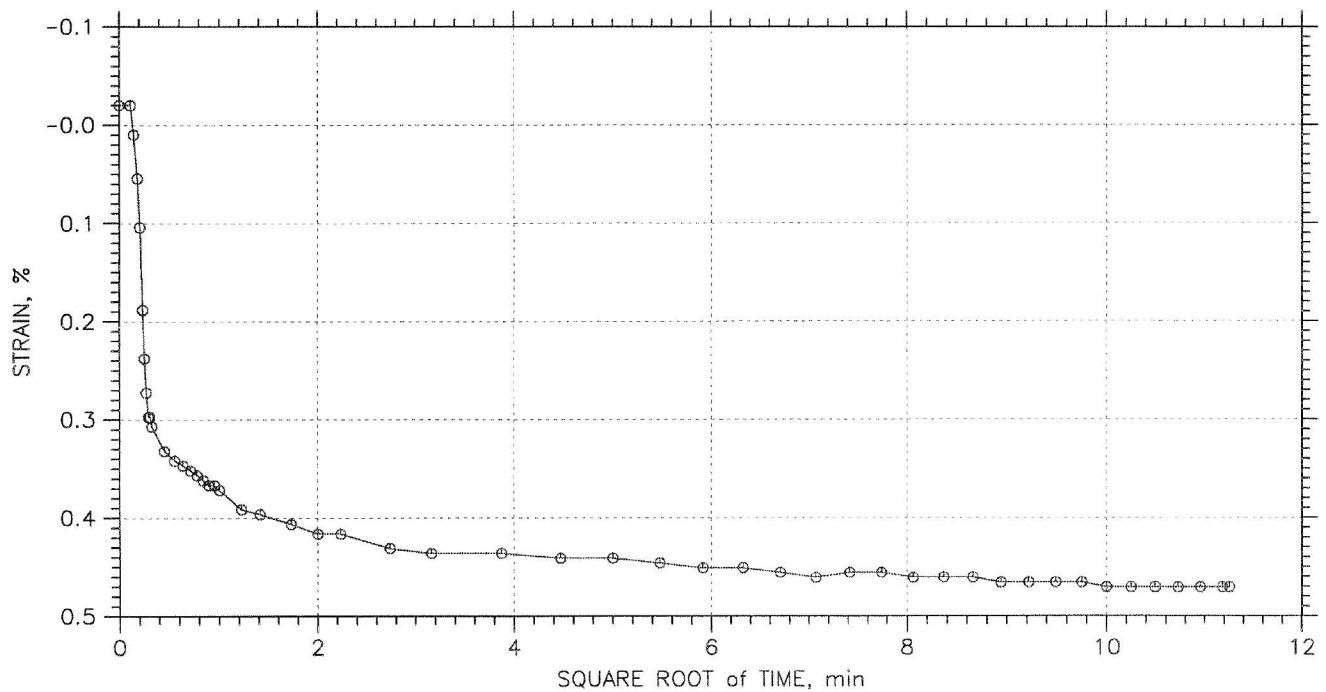
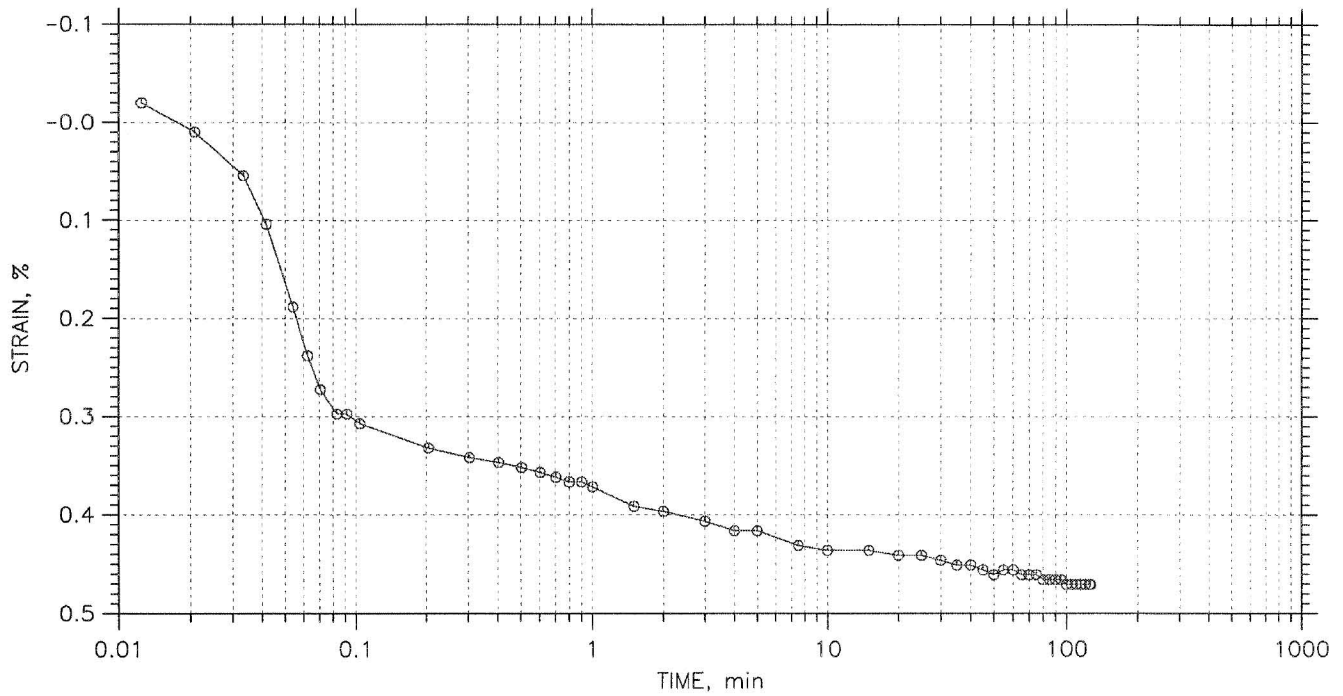
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 2 of 17

Stress: 500. psf



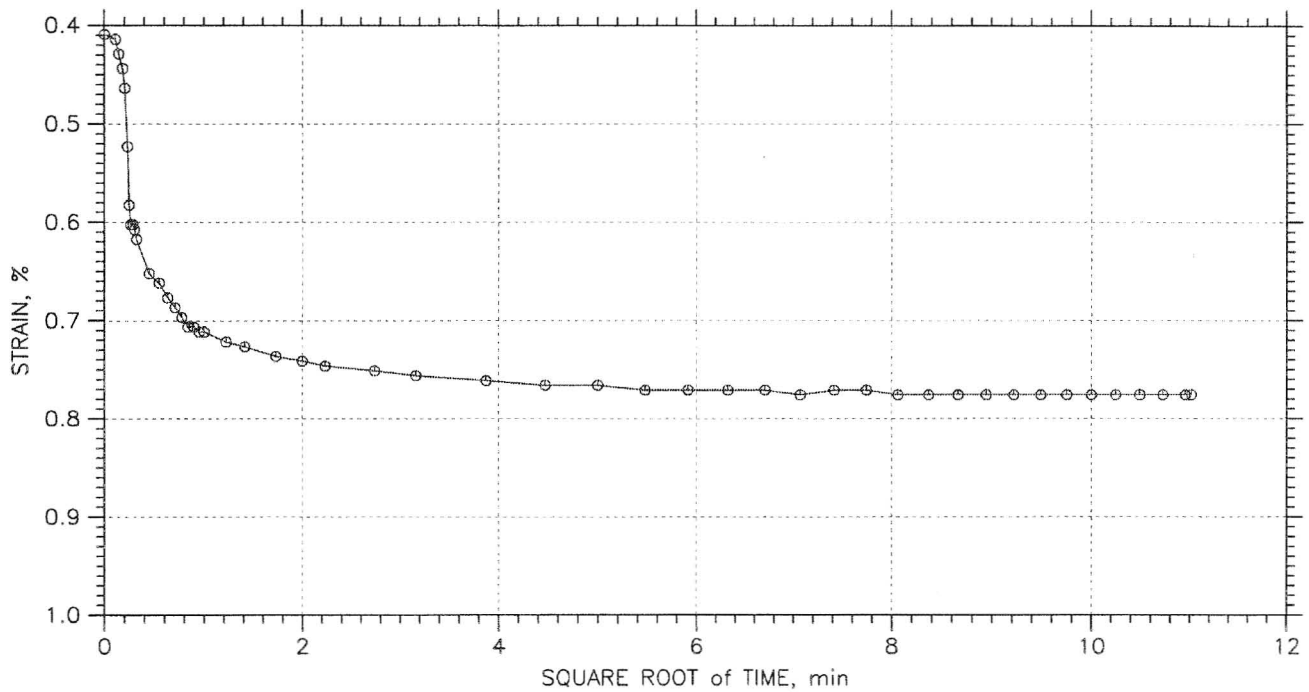
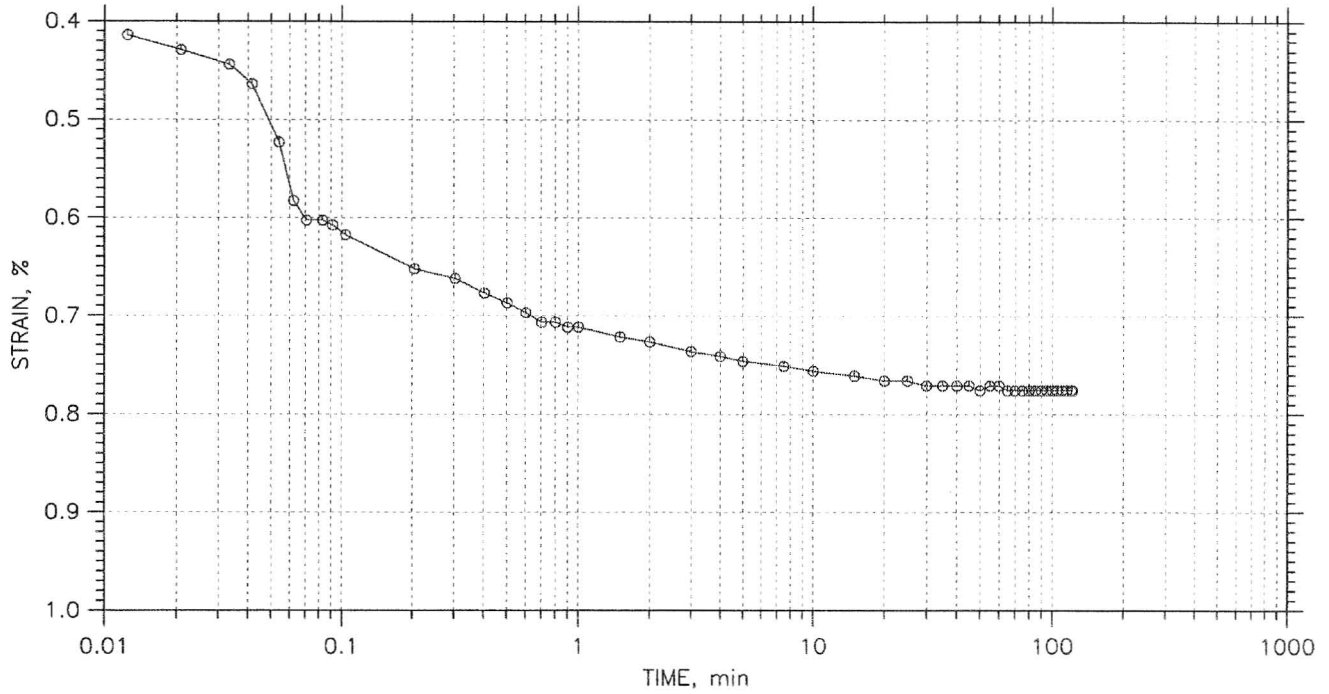
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 3 of 17

Stress: 1000. psf



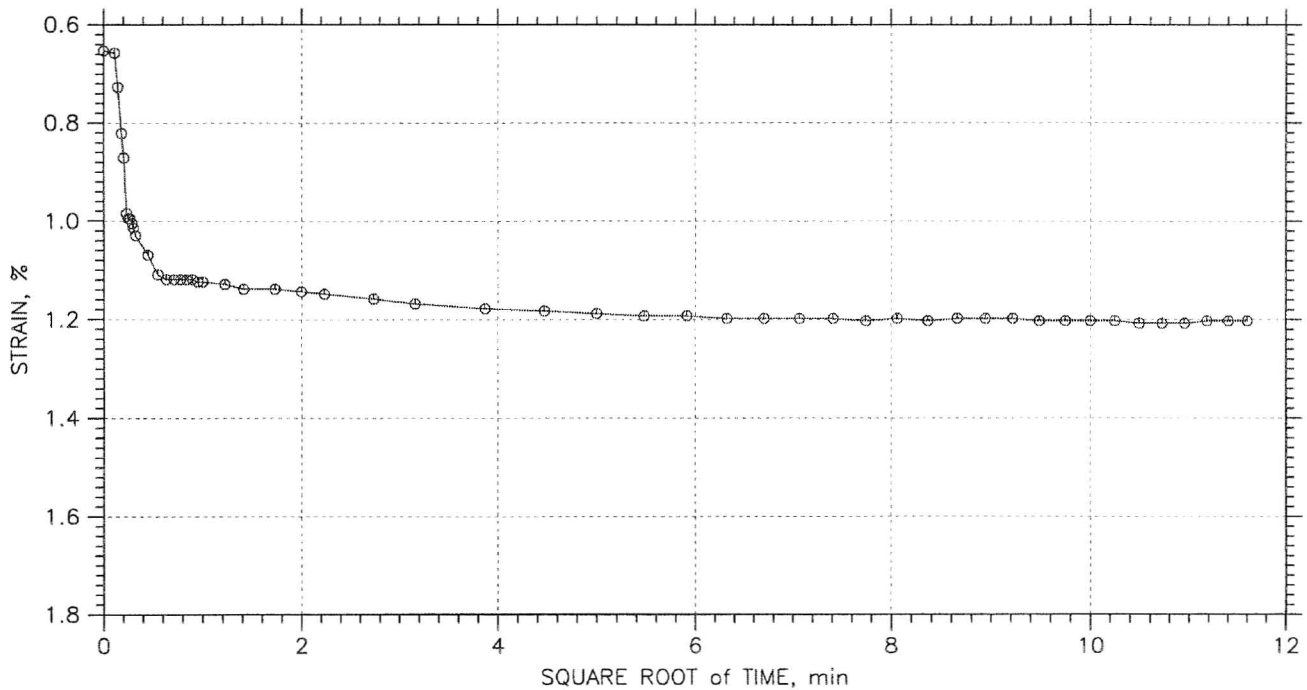
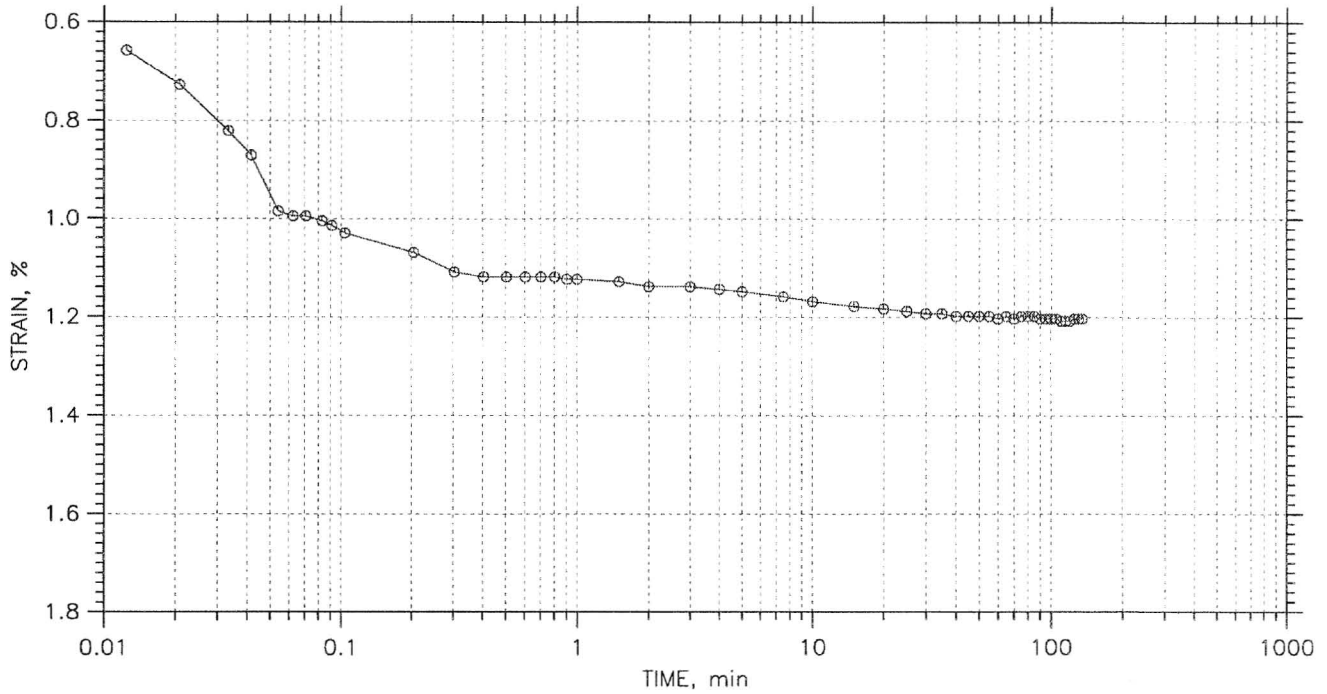
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 4 of 17

Stress: 2000. psf



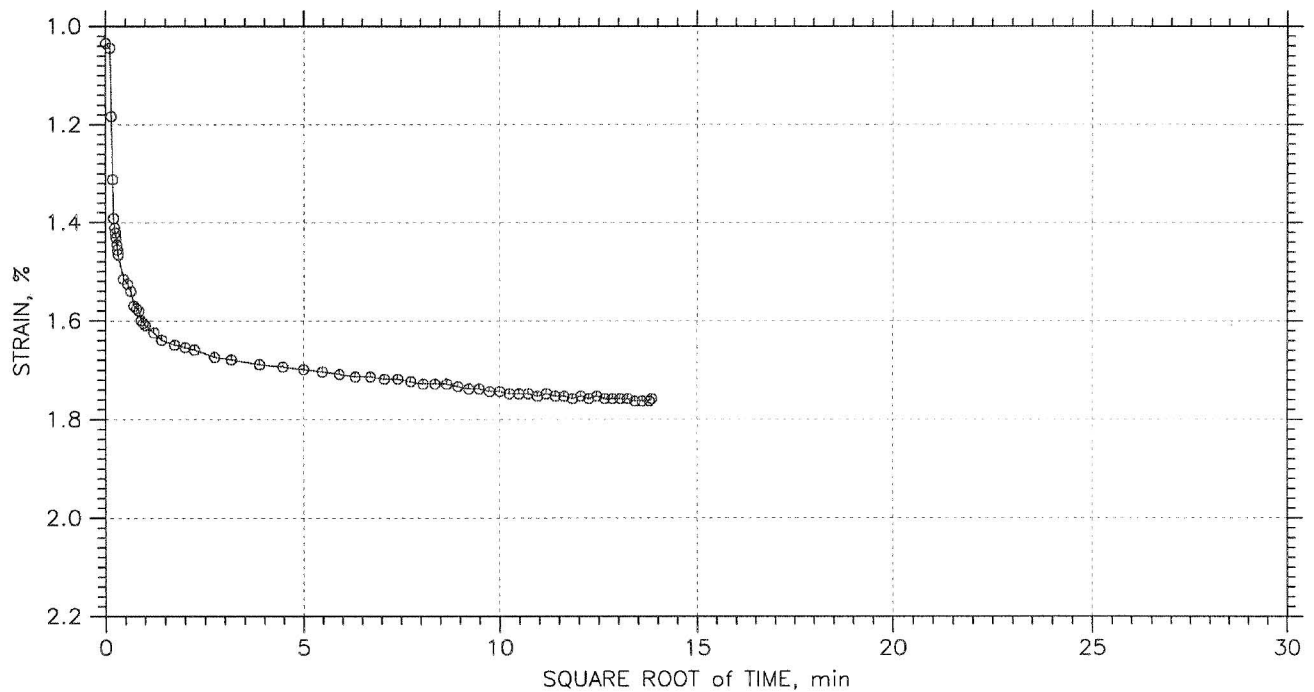
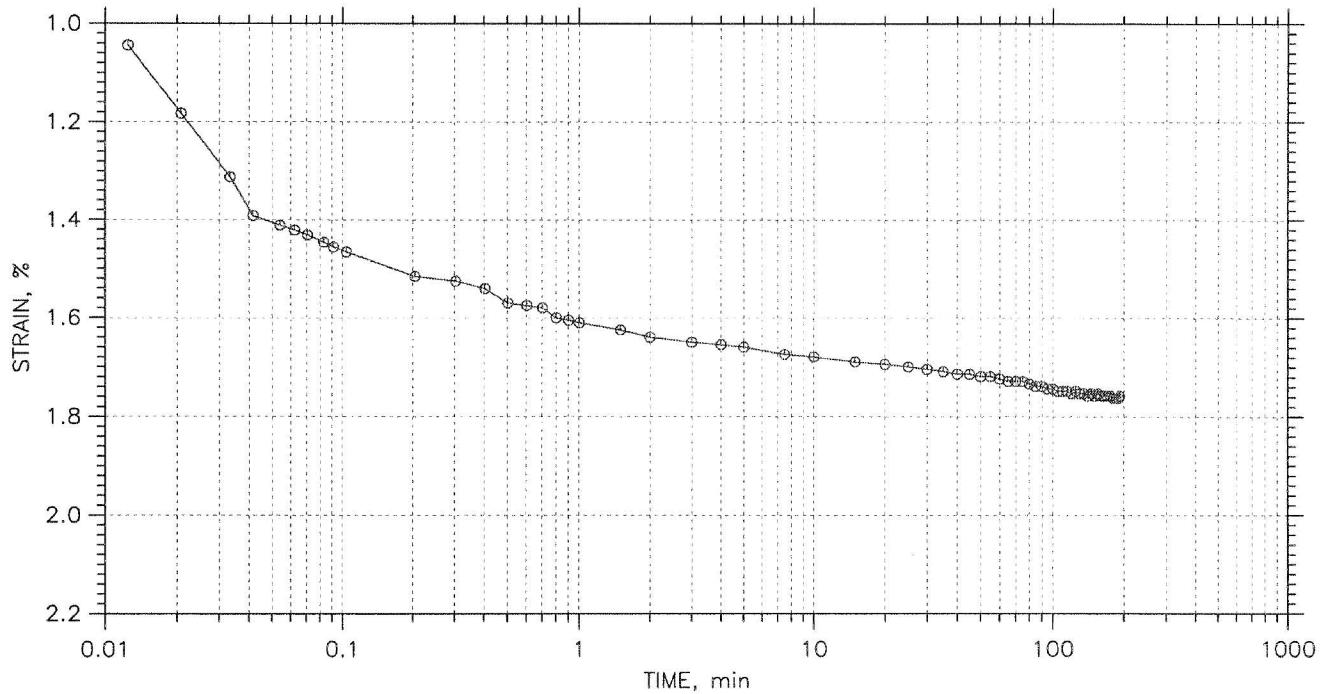
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 5 of 17

Stress: 4000. psf



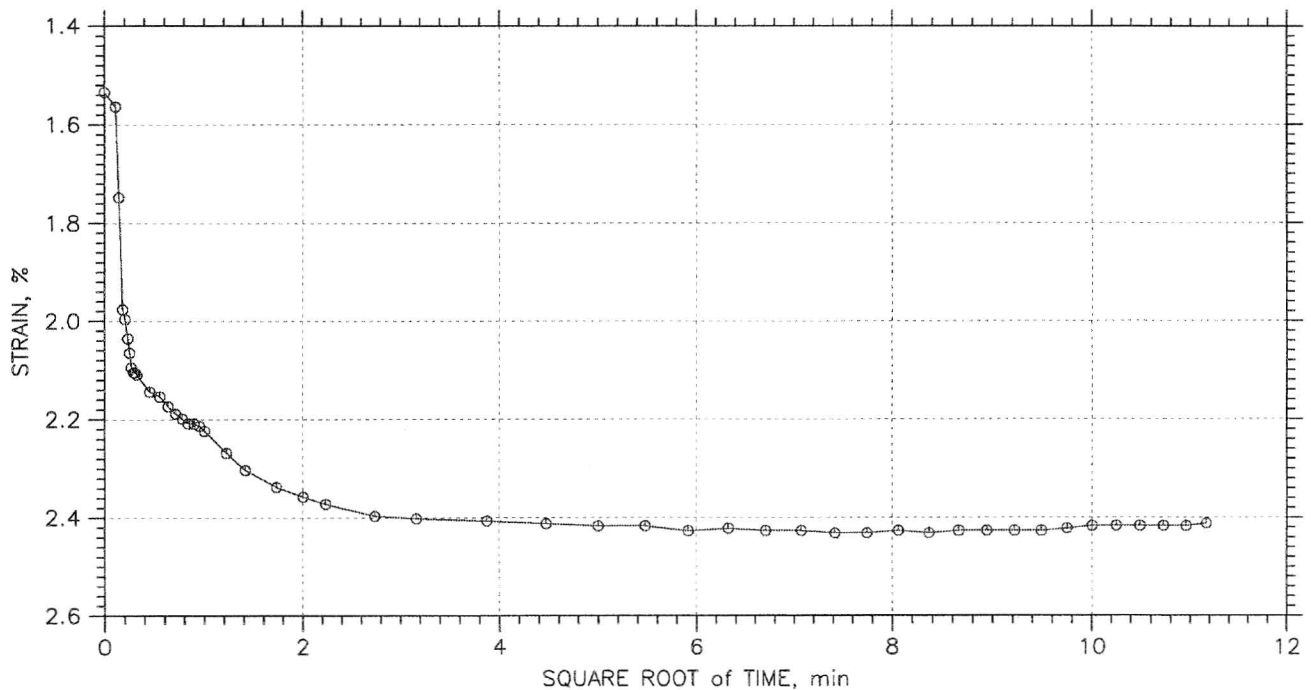
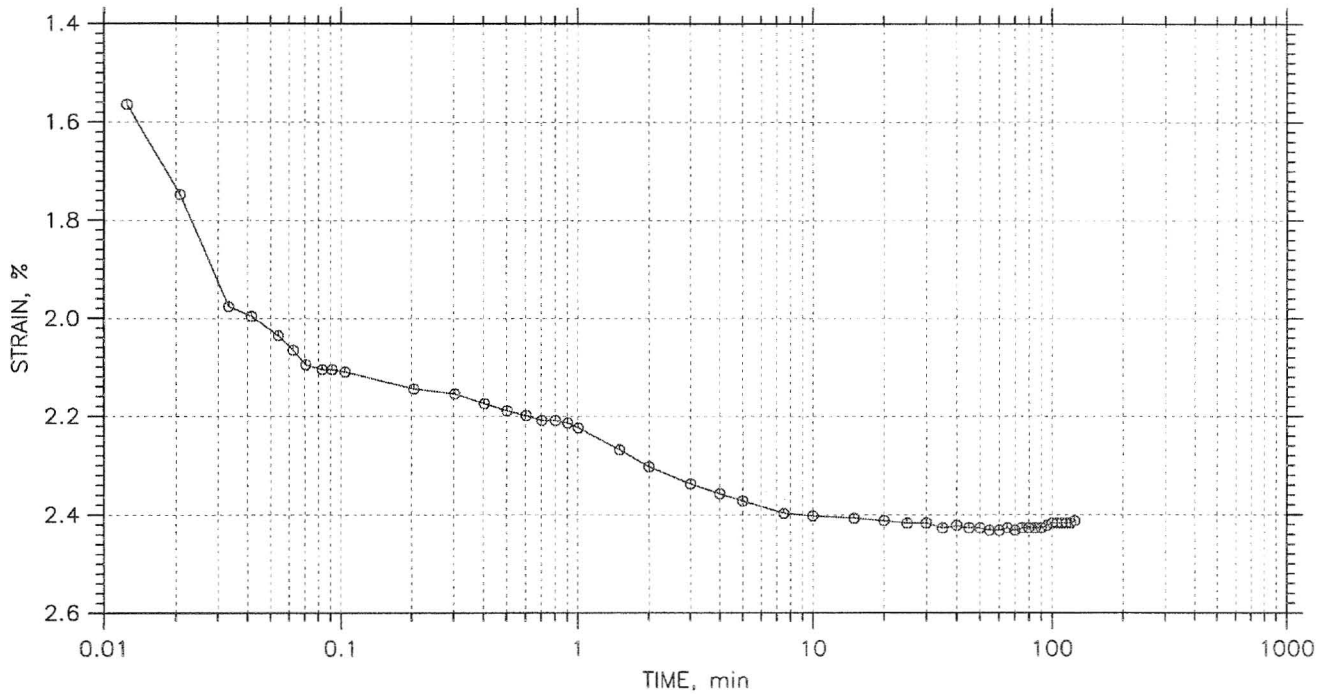
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 6 of 17

Stress: 8000. psf



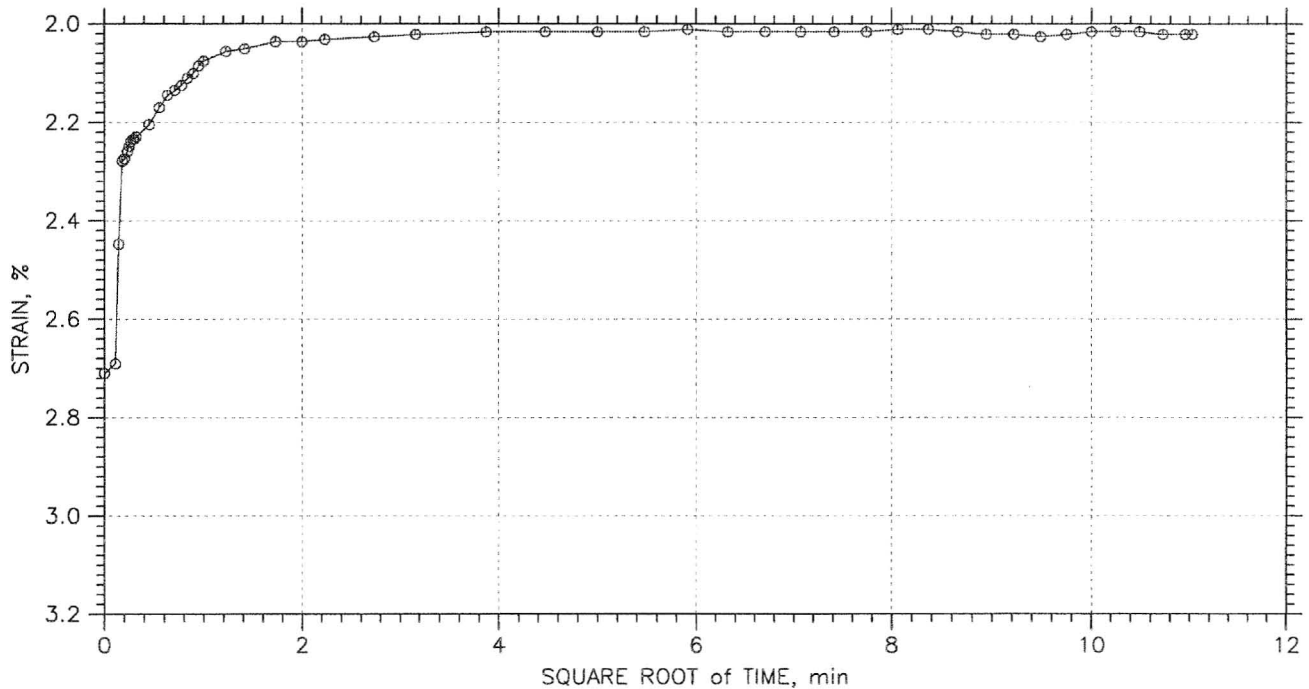
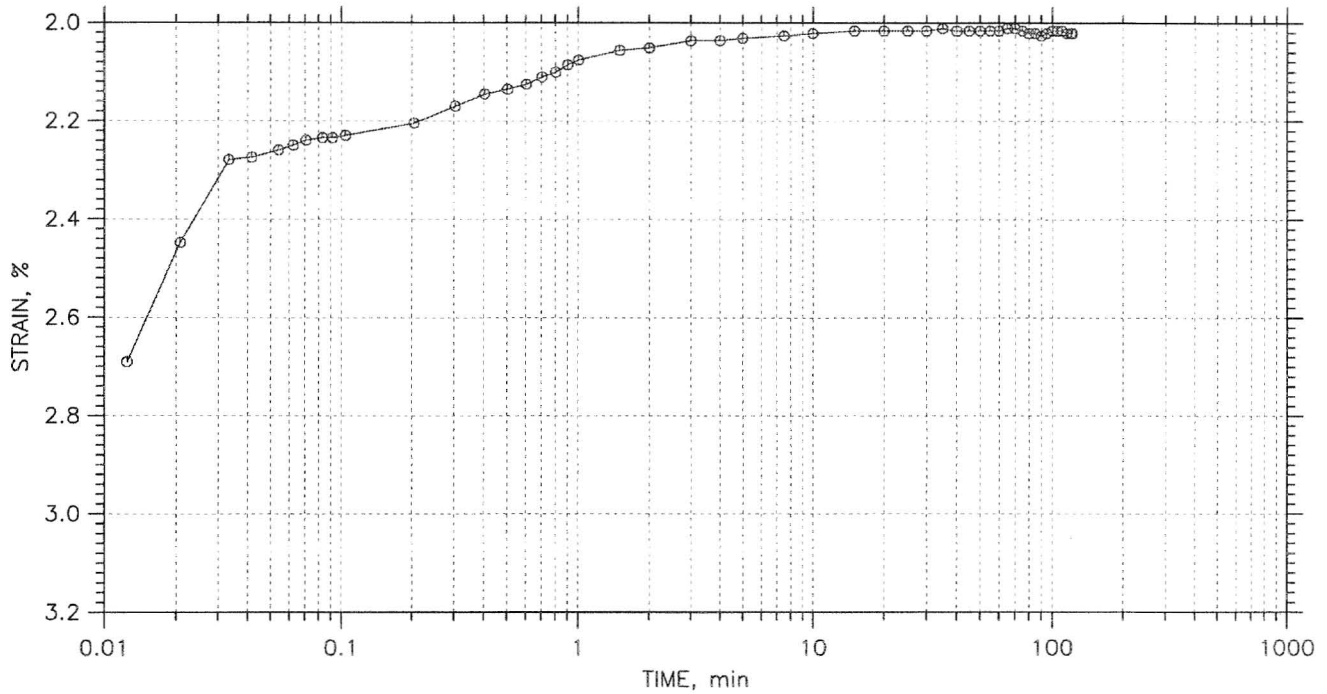
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 7 of 17

Stress: 2000. psf



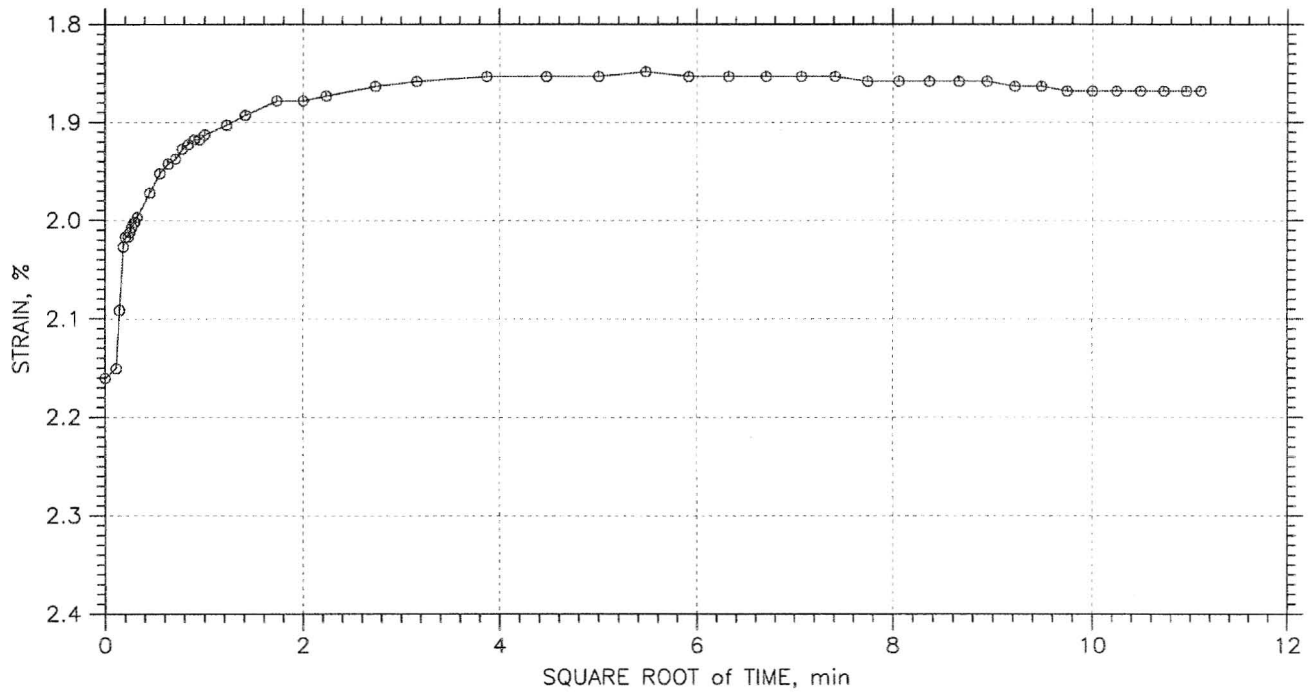
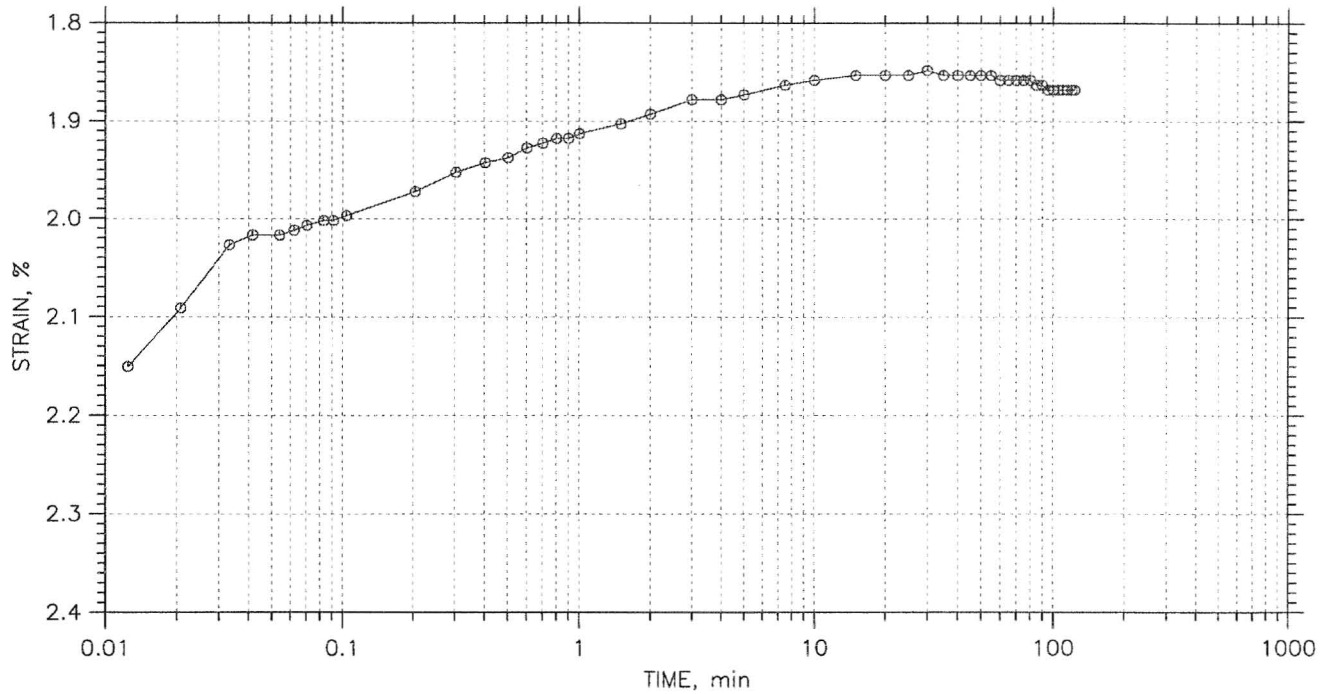
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 17

Stress: 1000. psf



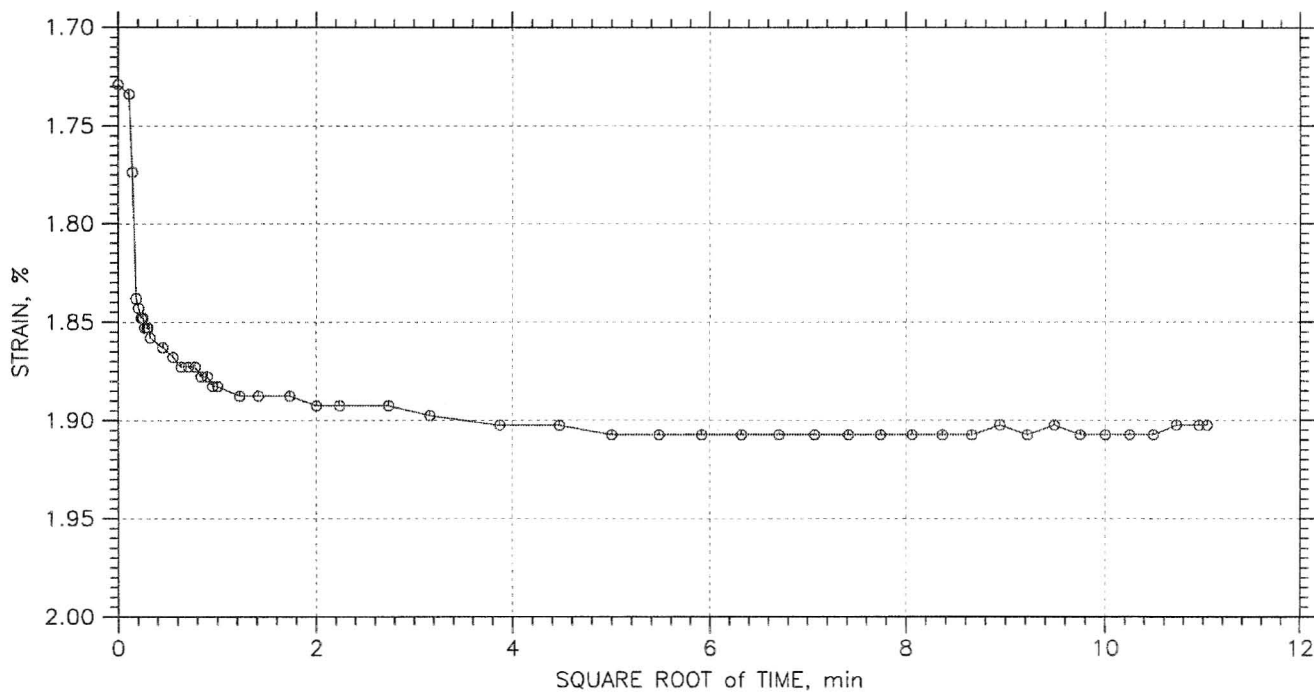
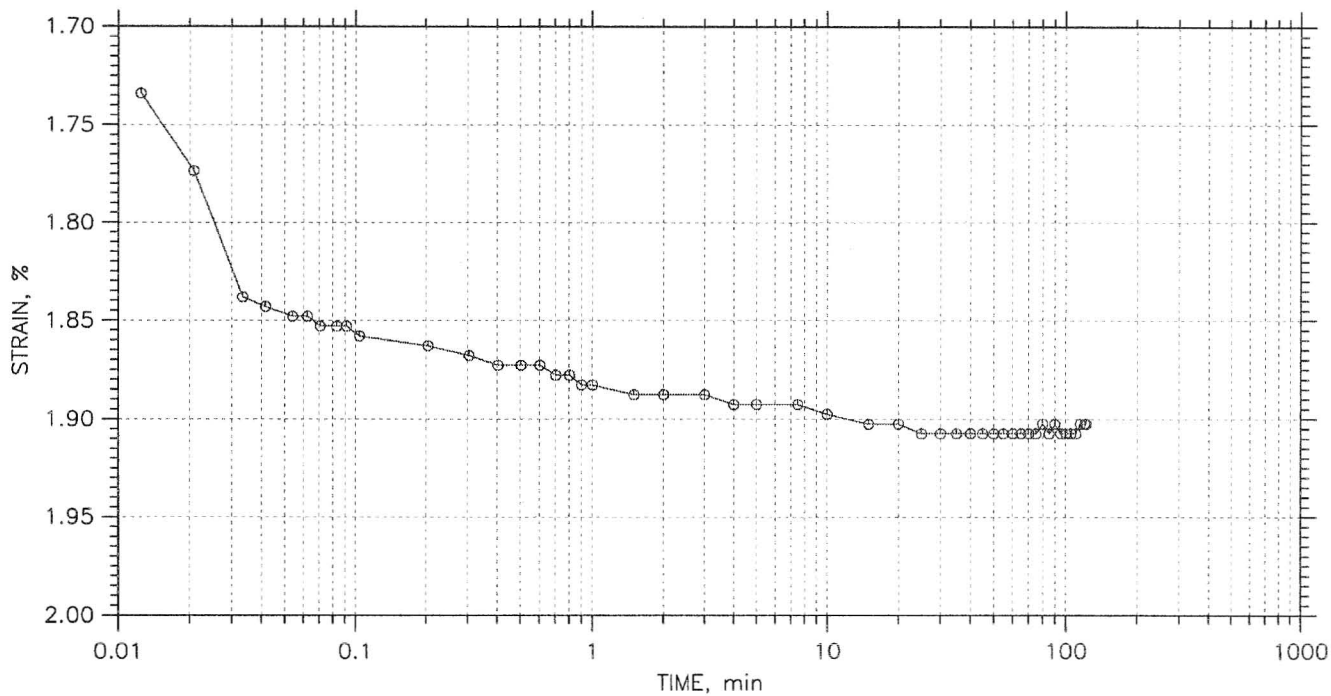
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 9 of 17

Stress: 2000. psf



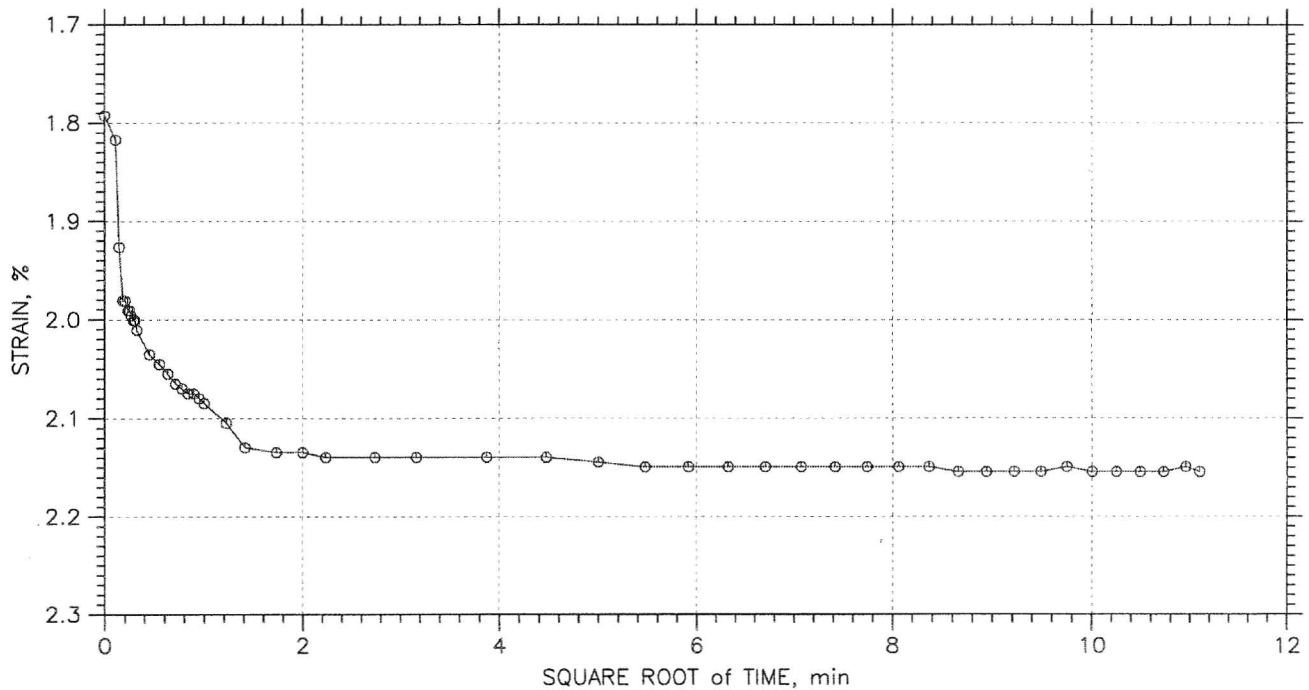
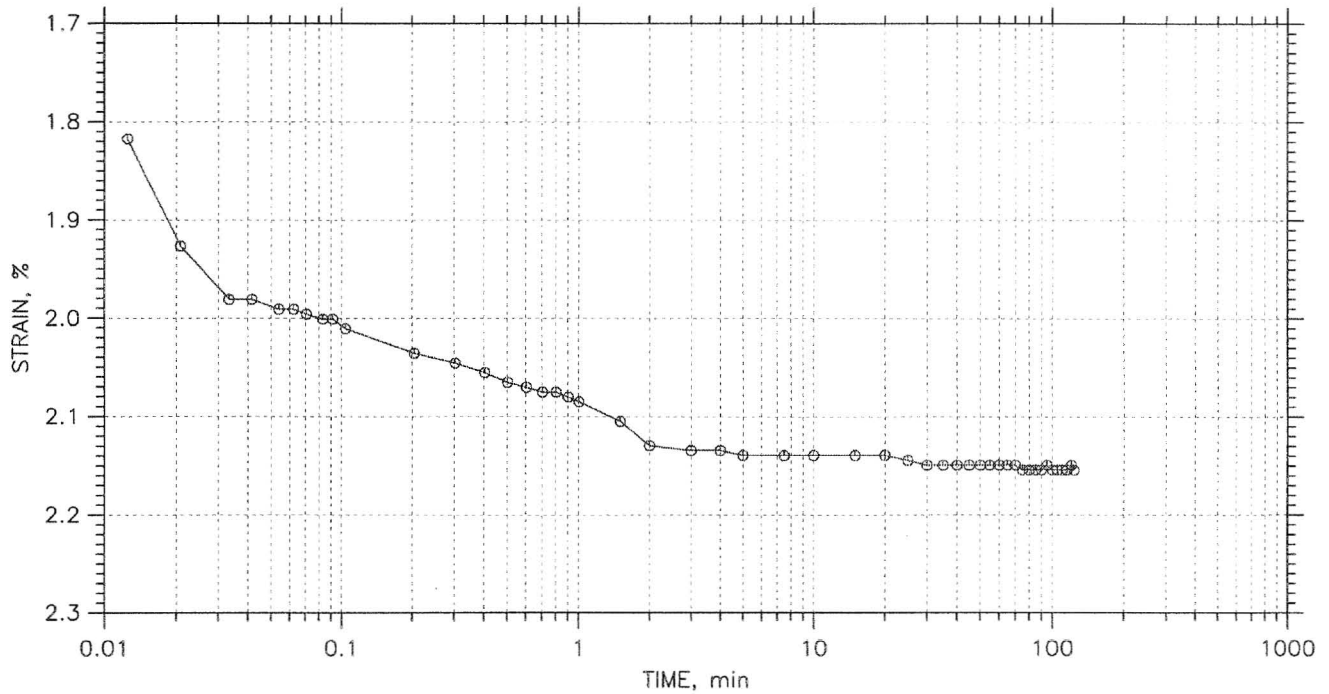
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 17

Stress: 4000. psf



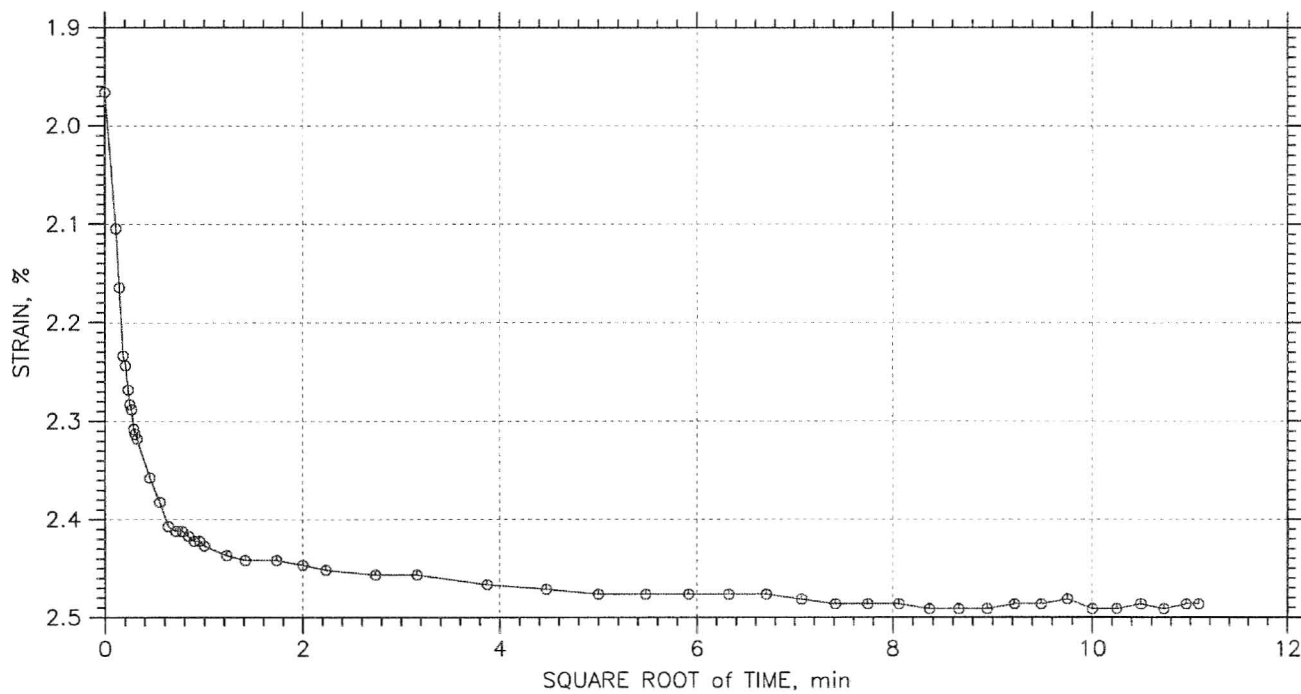
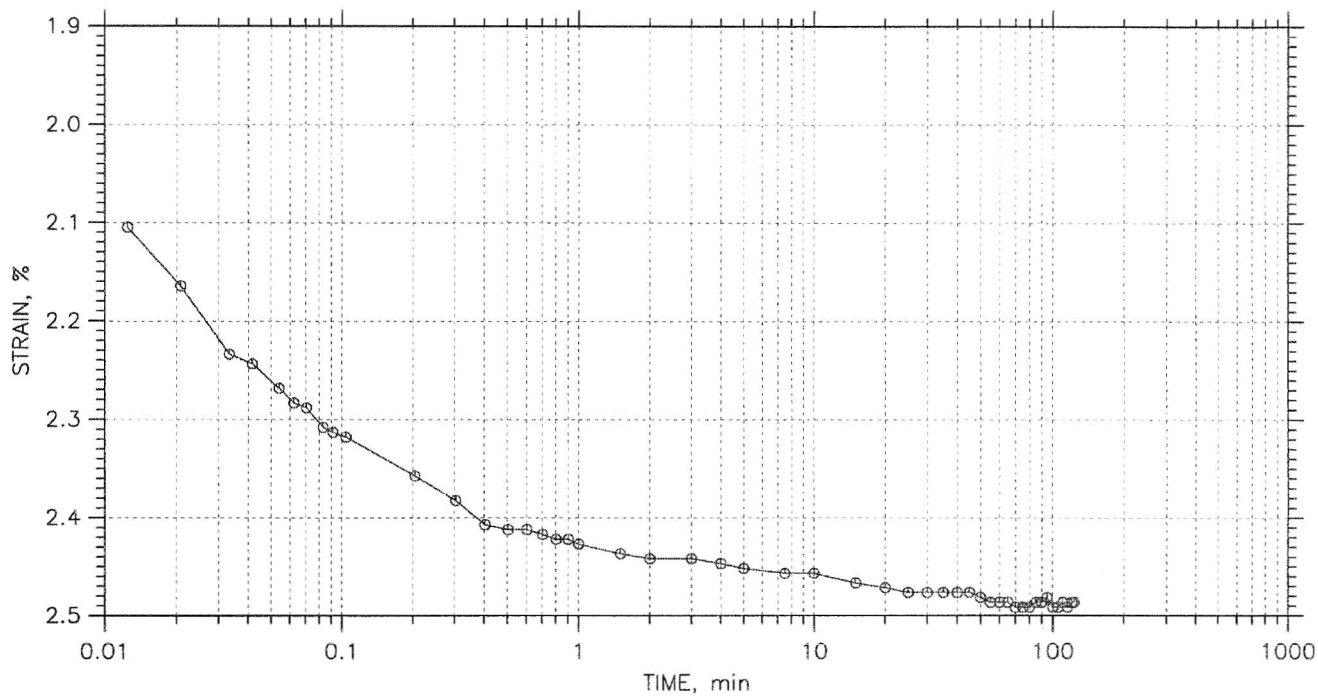
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 11 of 17

Stress: 8000. psf



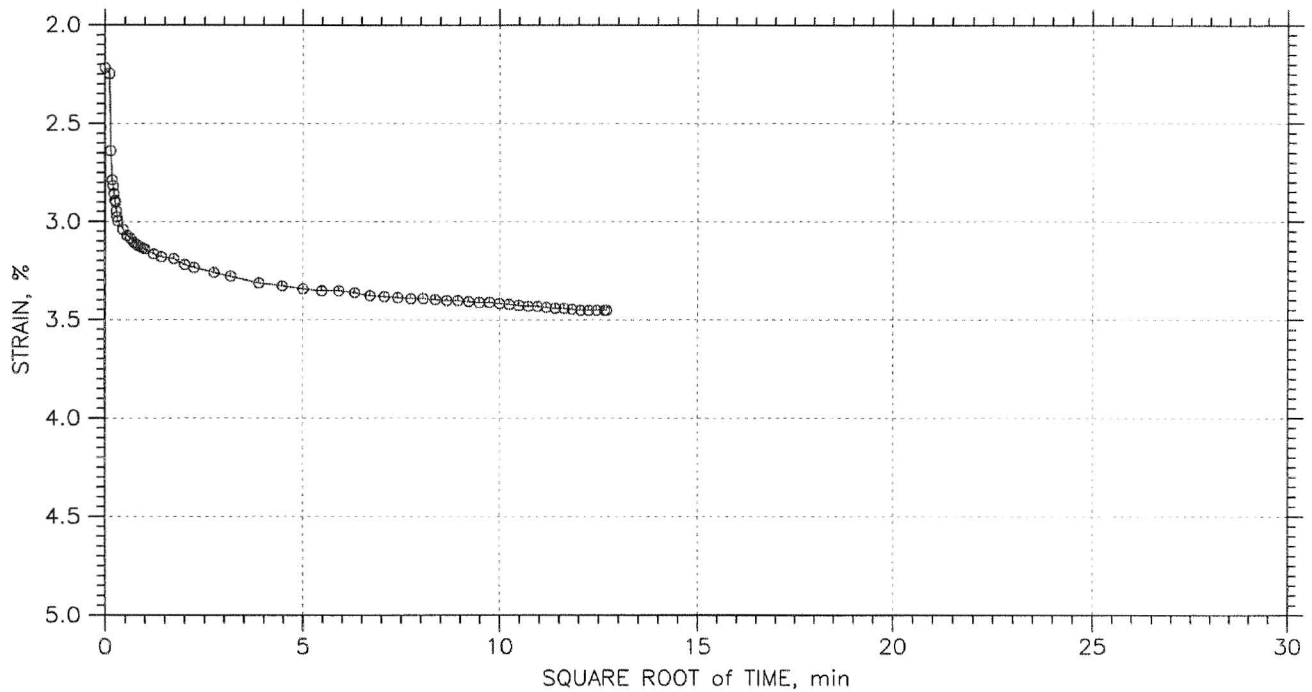
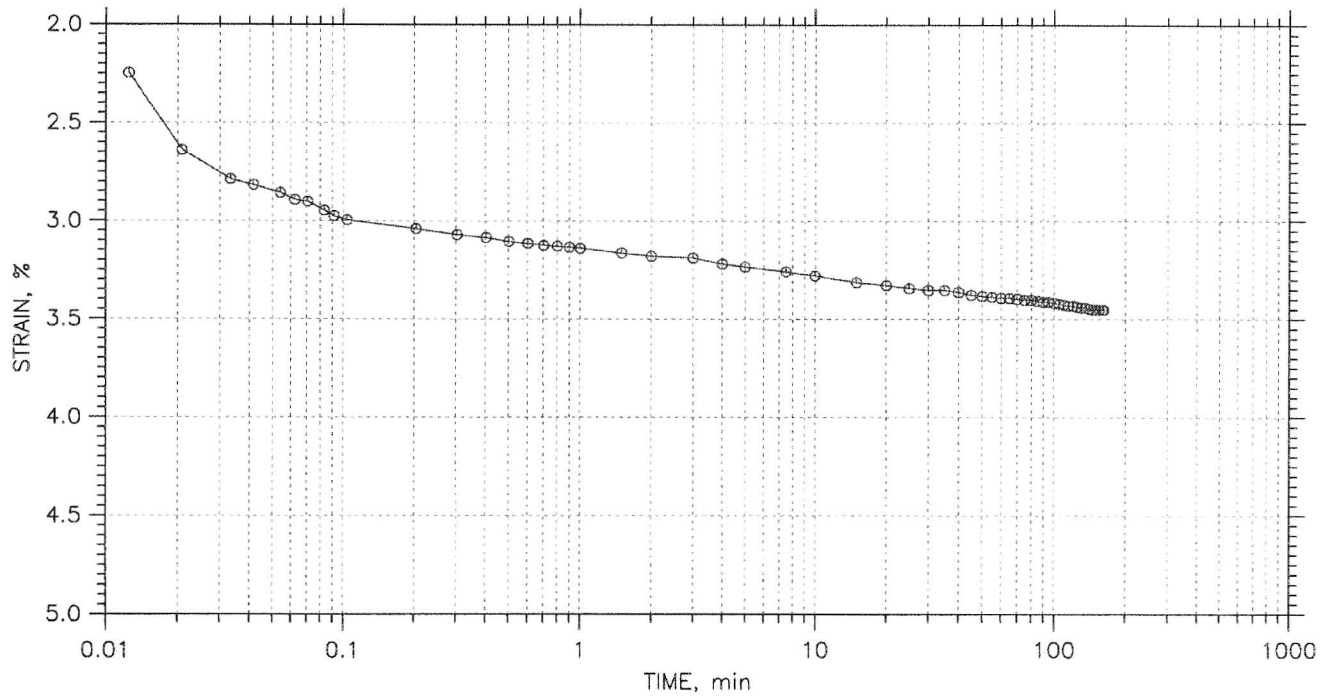
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

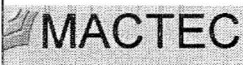
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 12 of 17

Stress: 16000 psf



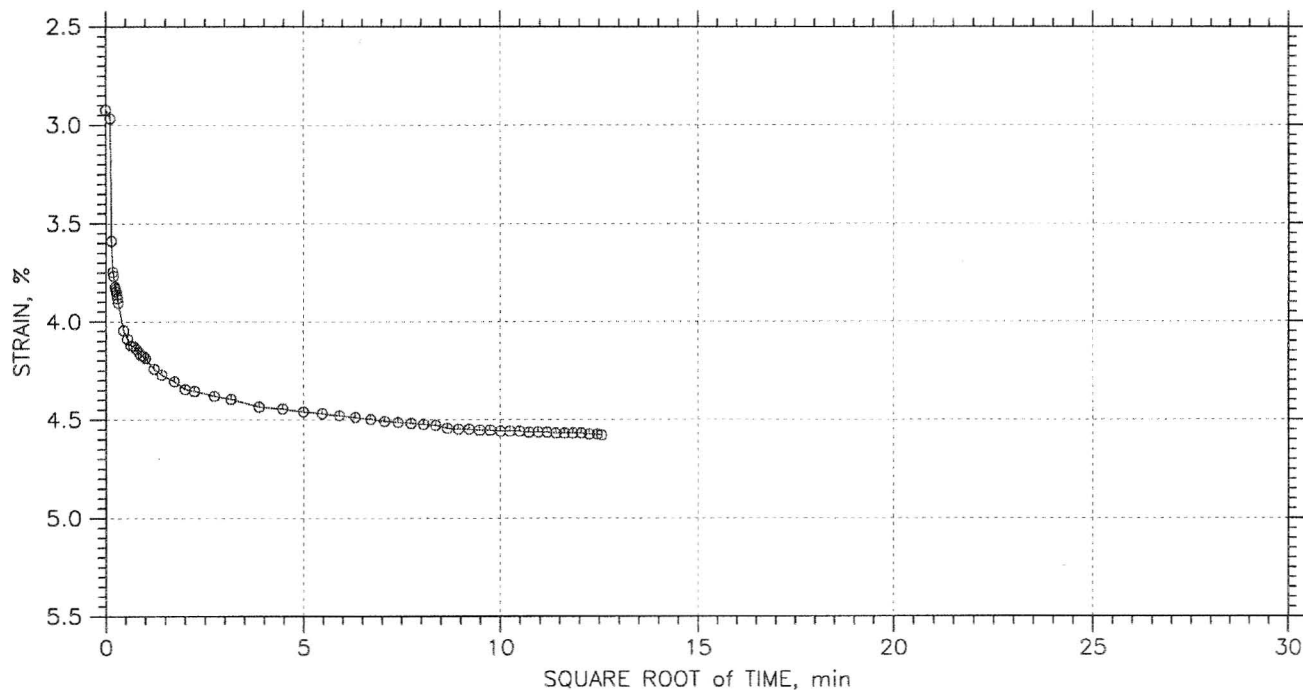
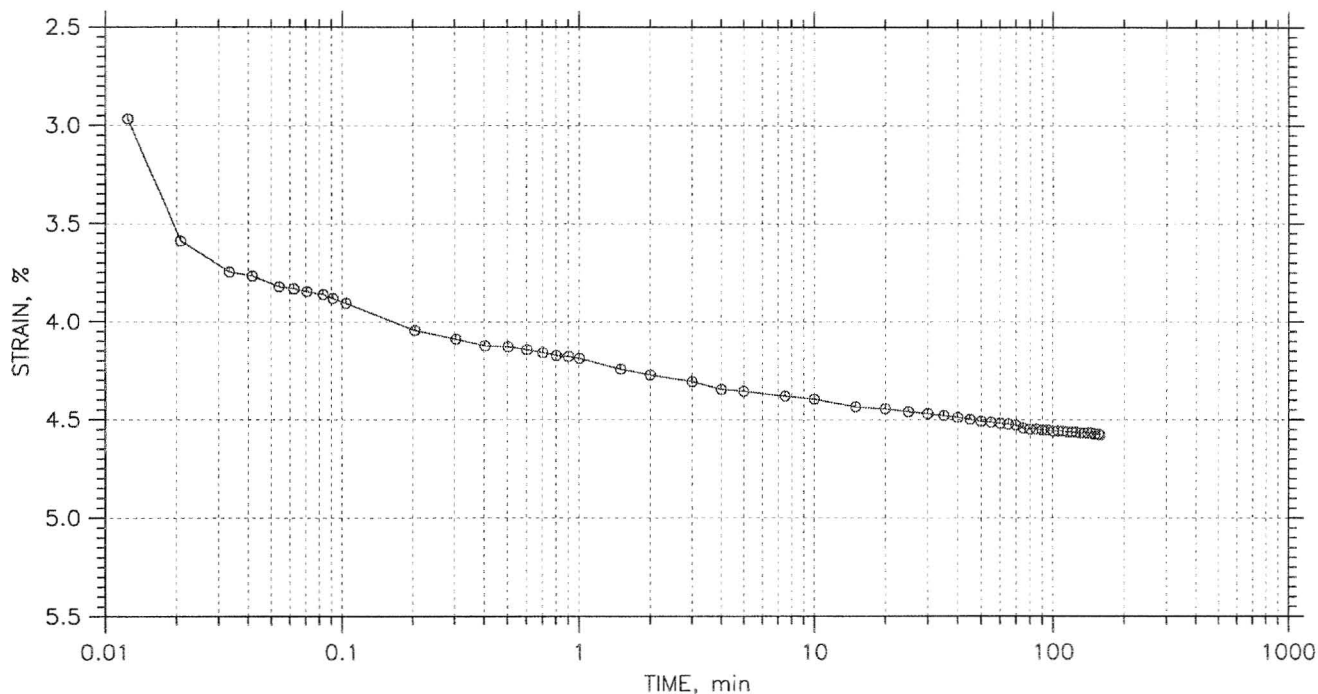
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 13 of 17

Stress: 32000 psf



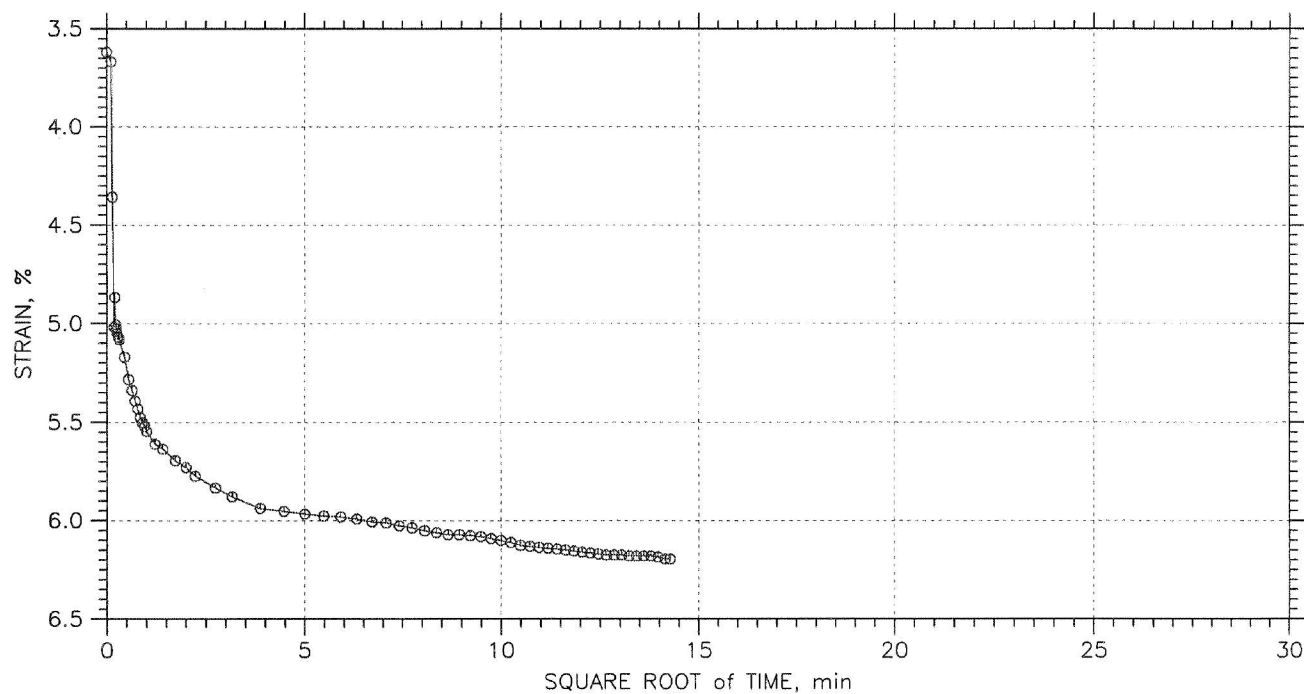
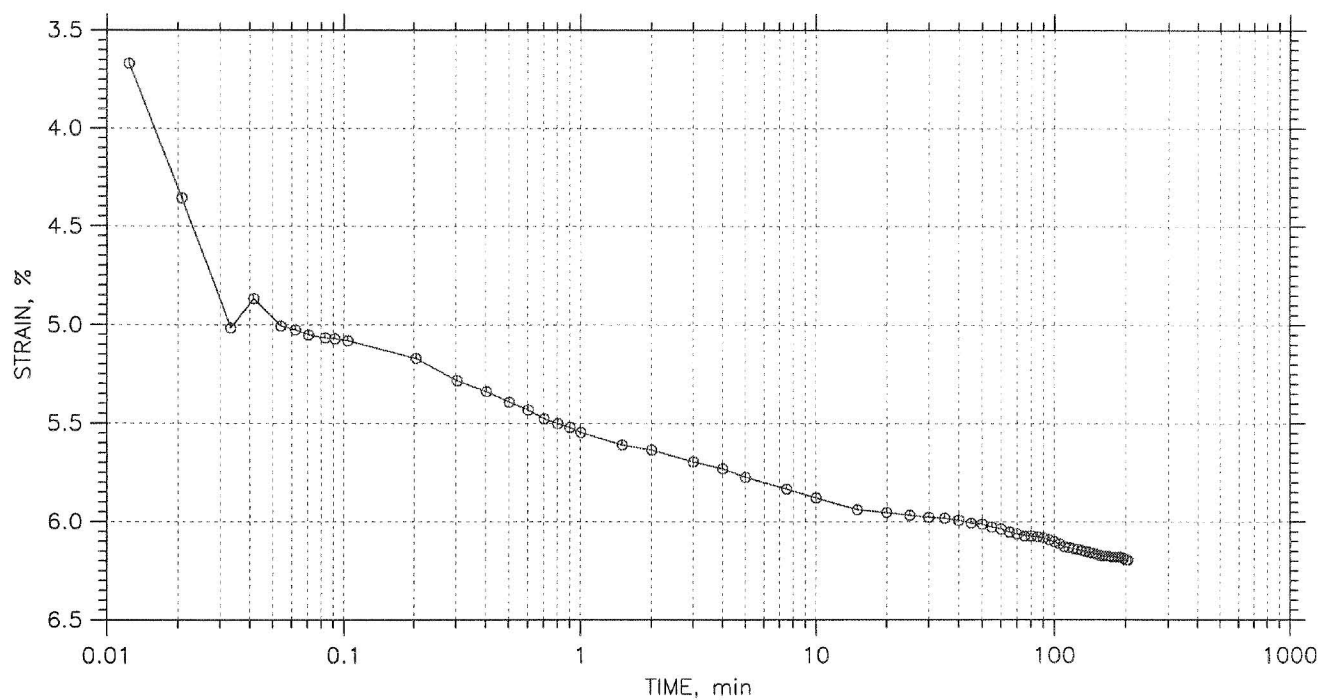
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 14 of 17

Stress: 64000 psf



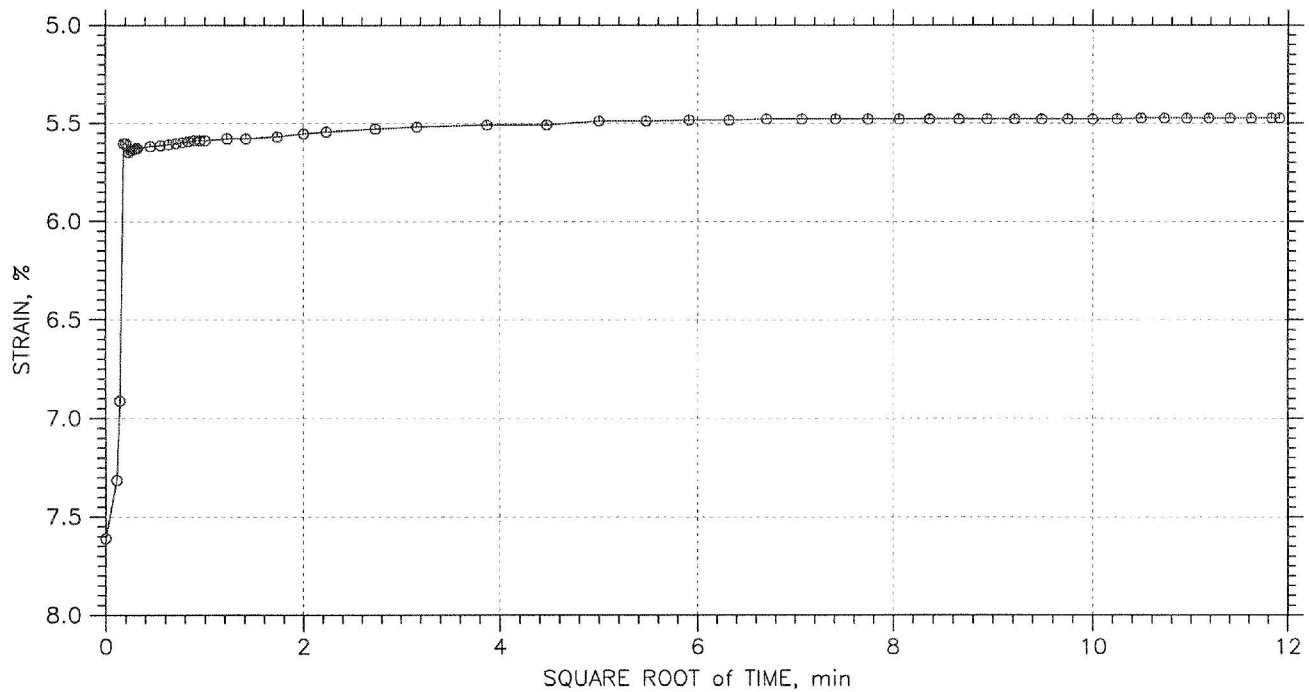
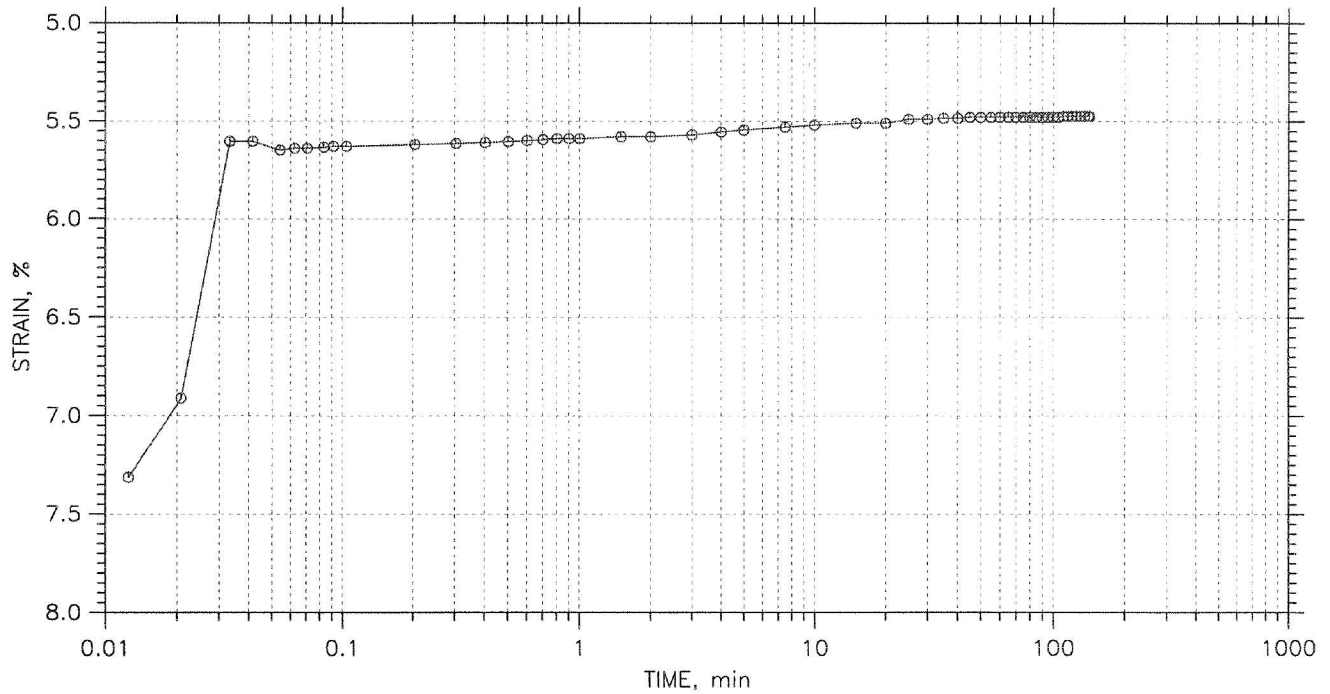
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

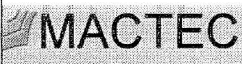
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 15 of 17

Stress: 16000 psf



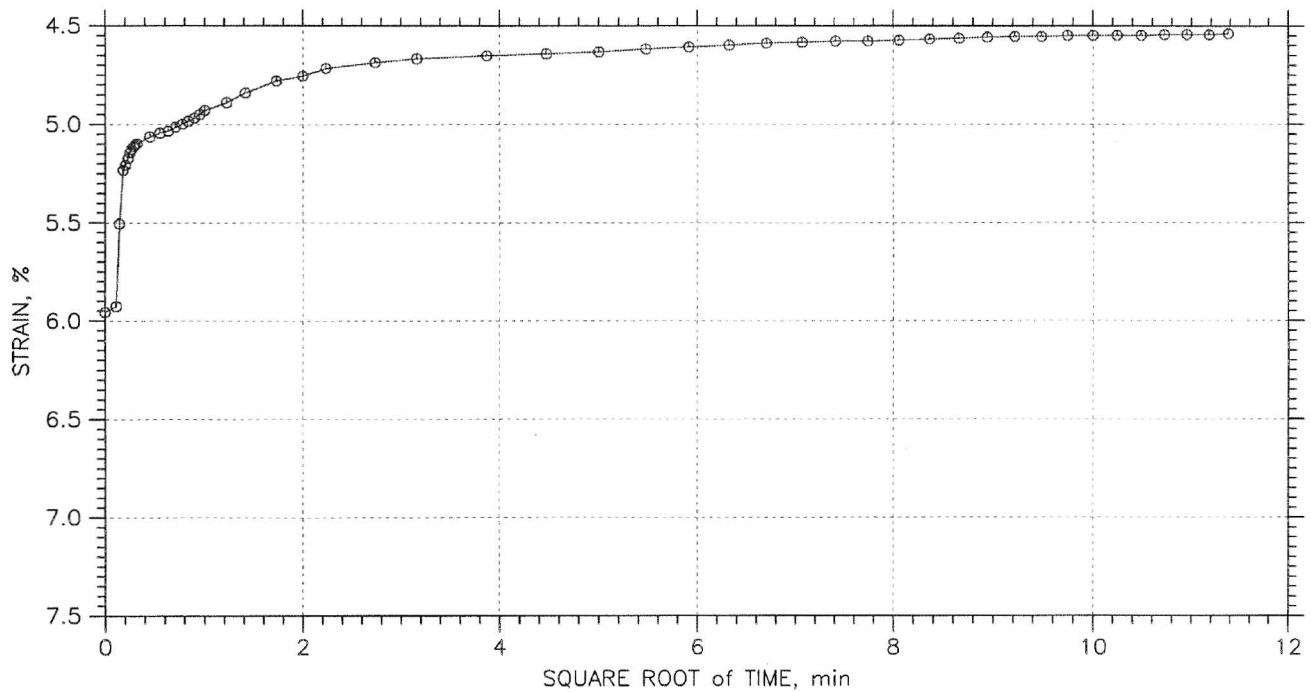
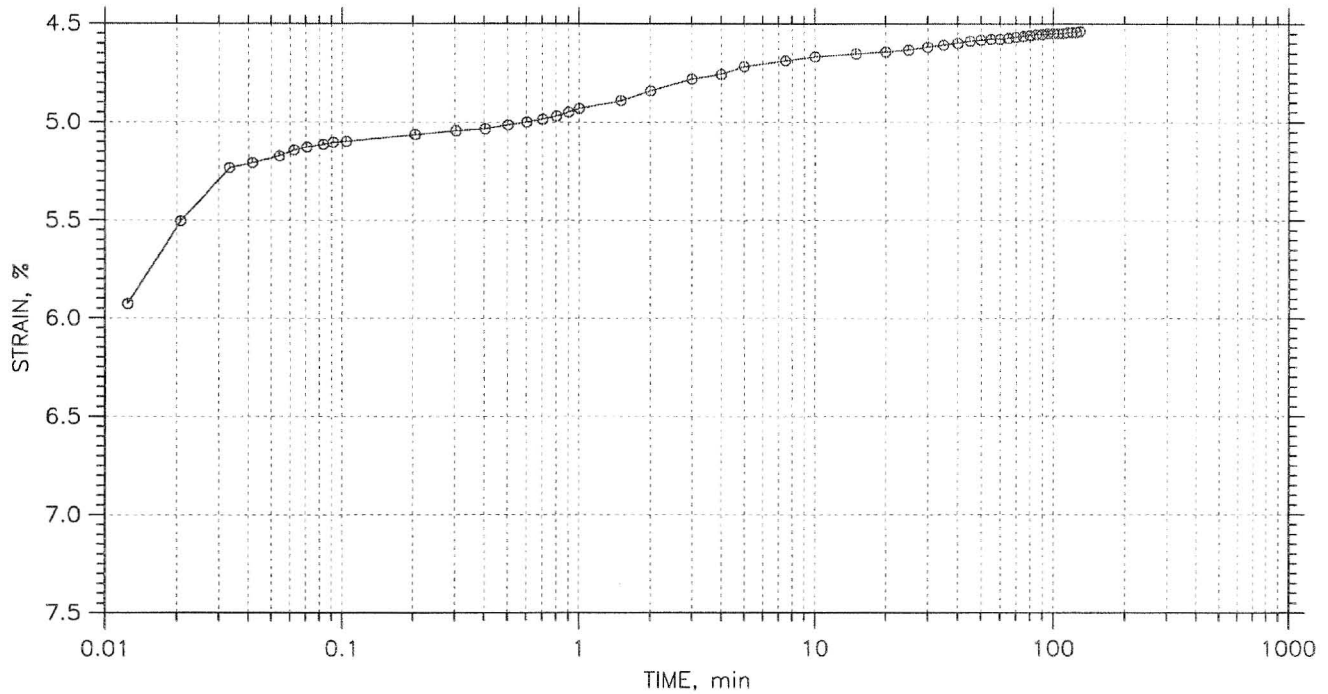
	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 16 of 17

Stress: 4000. psf



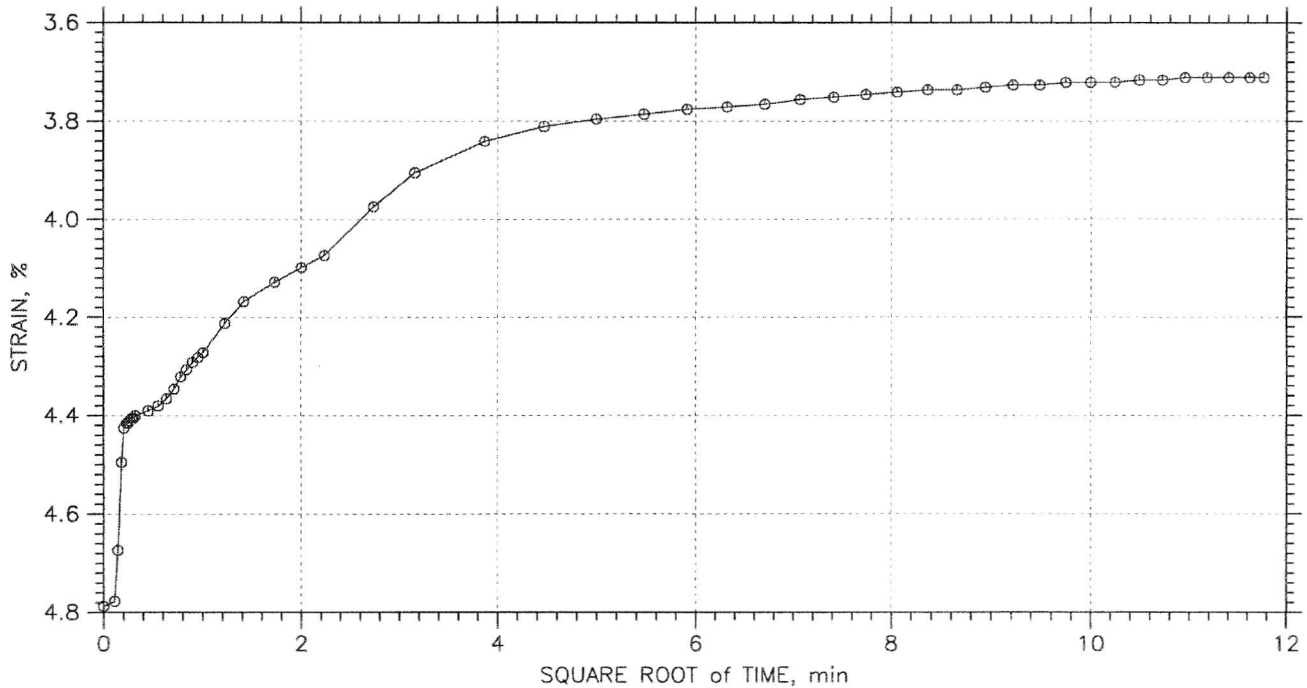
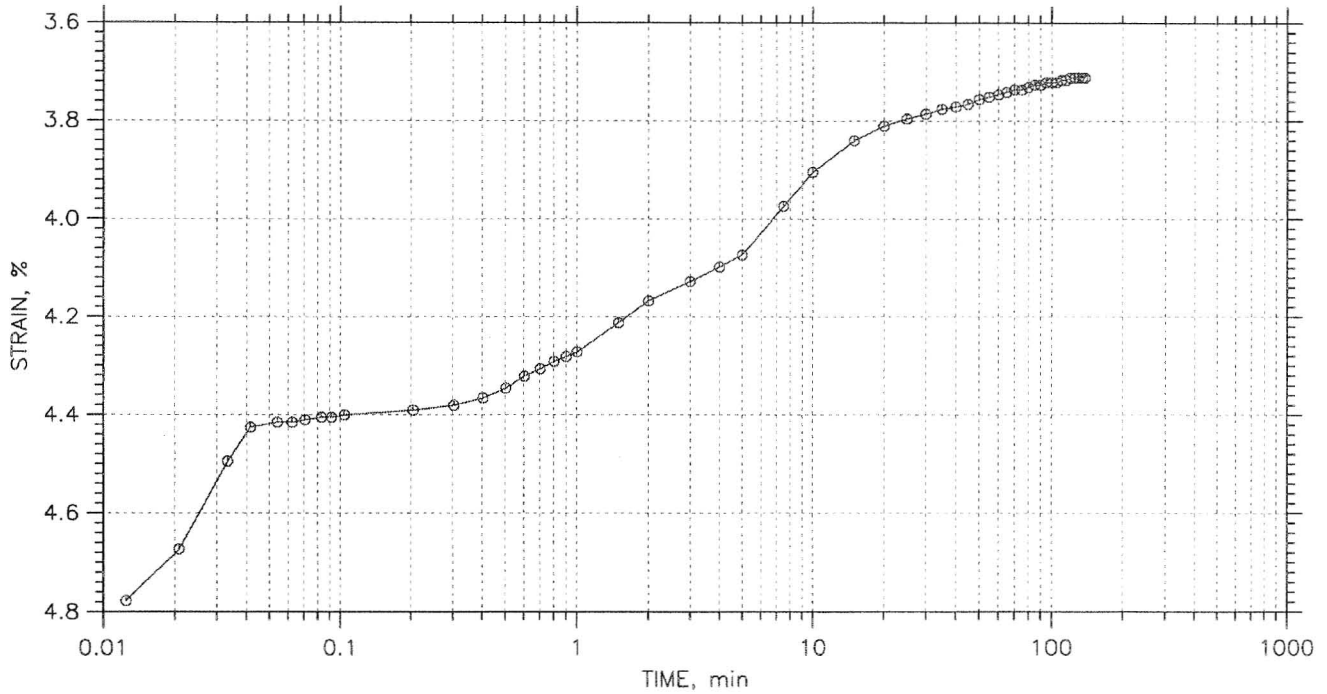
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

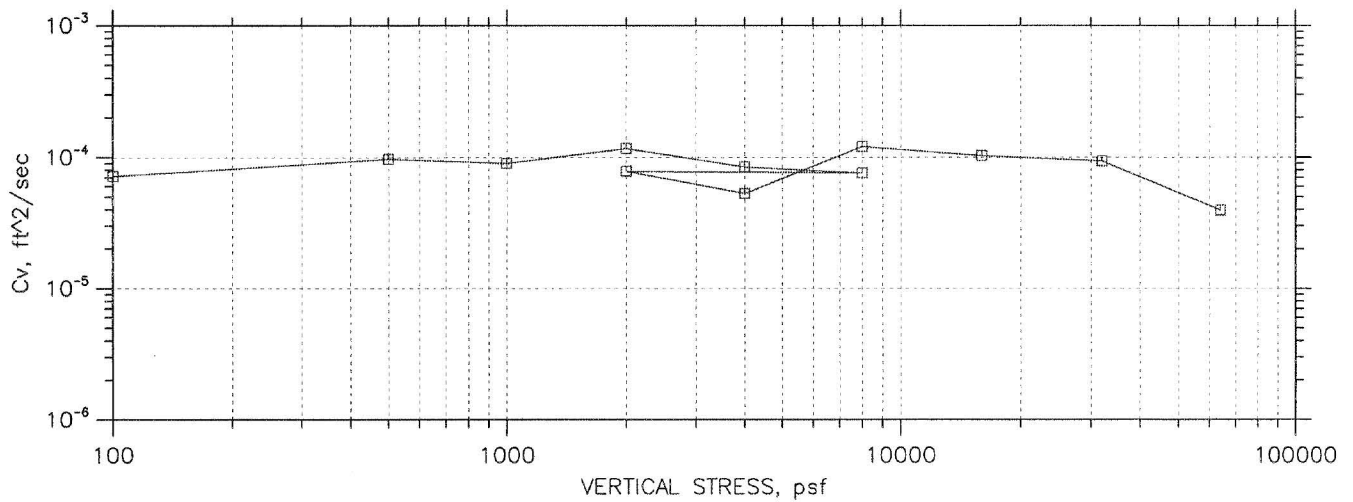
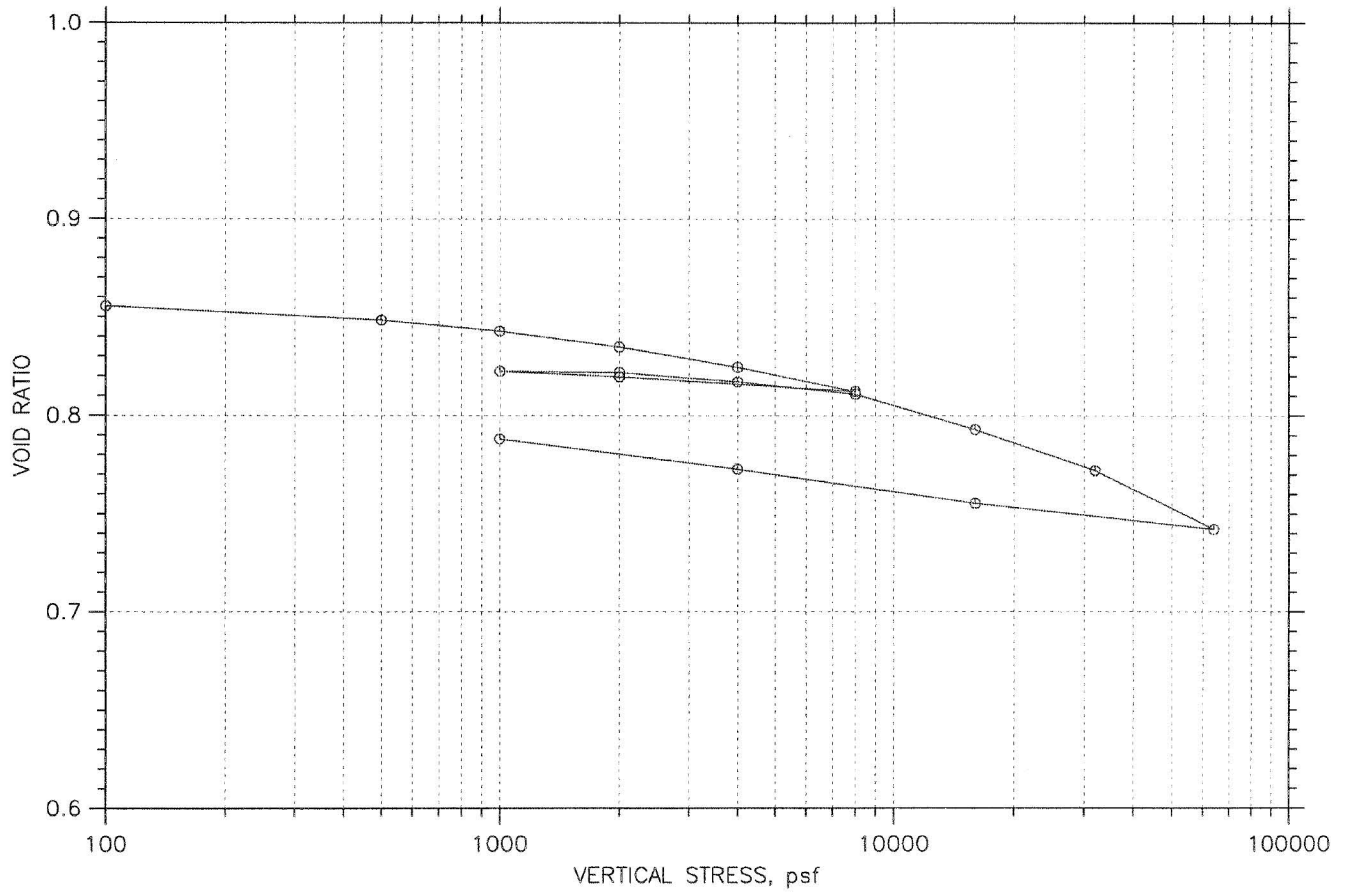
Constant Load Step: 17 of 17

Stress: 1000. psf



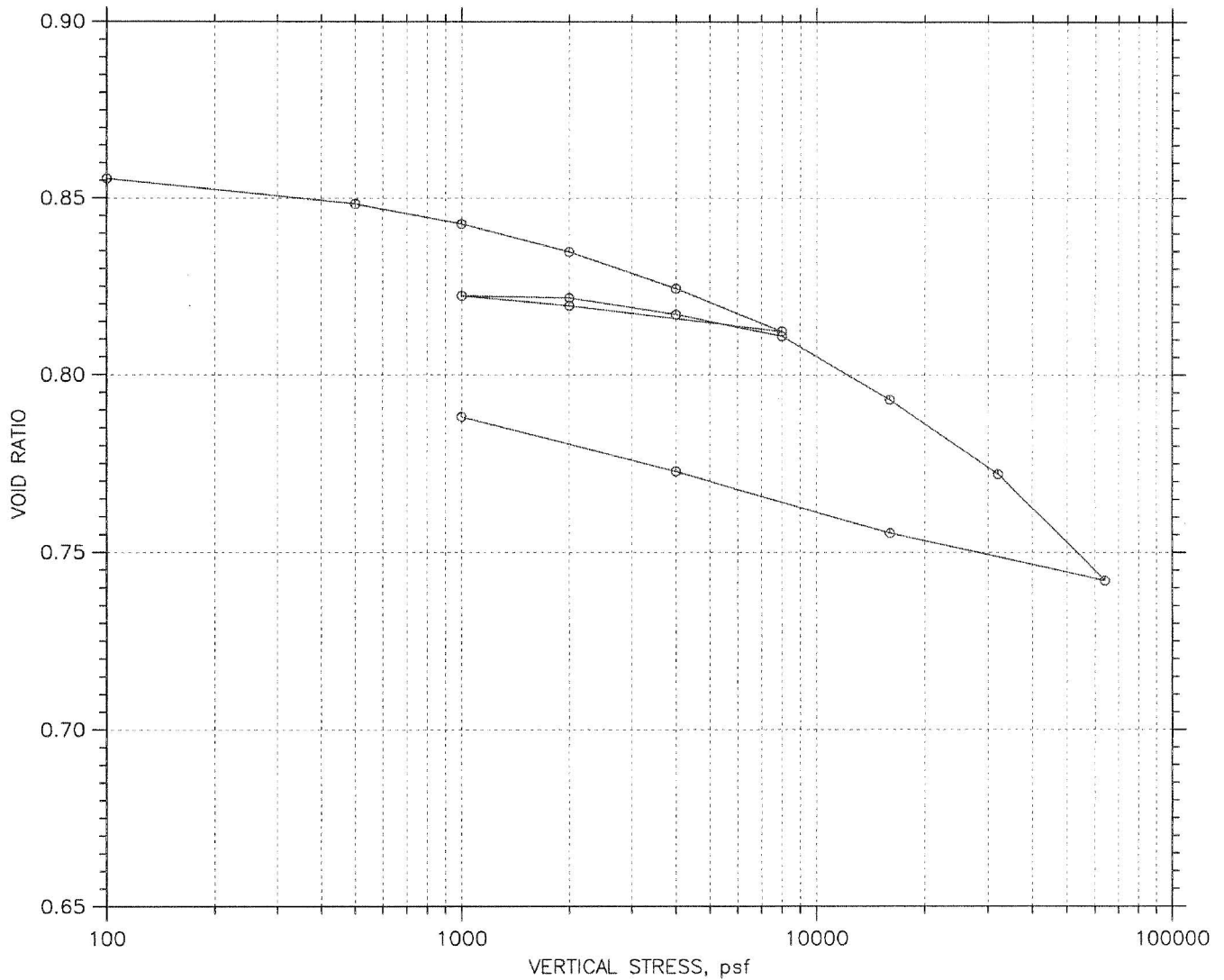
MACTEC	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA SUMMARY REPORT



	Project: Vogtle COL	Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164	Tested By: BM	Checked By: JW
	Sample No.: UD-4	Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633	Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)		
	Remarks:		

CONSOLIDATION TEST DATA SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: 0 psf				Water Content, %	26.36	30.51
Preconsolidation Pressure: 0 psf				Dry Unit Weight, pcf	90.76	94.26
Compression Index: 0				Saturation, %	83.04	104.51
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.86	0.79
LL: 66	PL: 34	PI: 32	GS: 2.70			

MACTEC	Project: Vogtle COL		Location: B-1164	Project No.: 6141060286
	Boring No.: B-1164		Tested By: BM	Checked By: JW
	Sample No.: UD-4		Test Date: 6/15/07	Depth: 98.00'
	Test No.: 7633		Sample Type: Undisturbed	Elevation: 122.05'
	Description: SILT, with sand (MH)			
	Remarks:			

CONSOLIDATION TEST DATA

Project: Vogtle COL
Boring No.: B-1164
Sample No.: UD-4
Test No.: 7633

Location: B-1164
Tested By: BM
Test Date: 6/15/07
Sample Type: Undisturbed

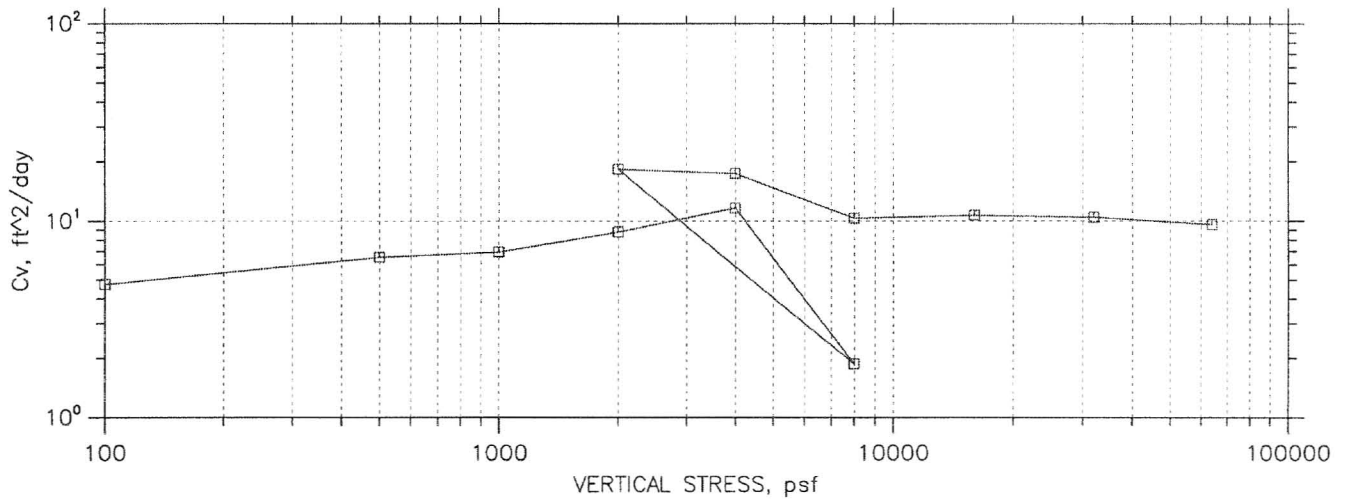
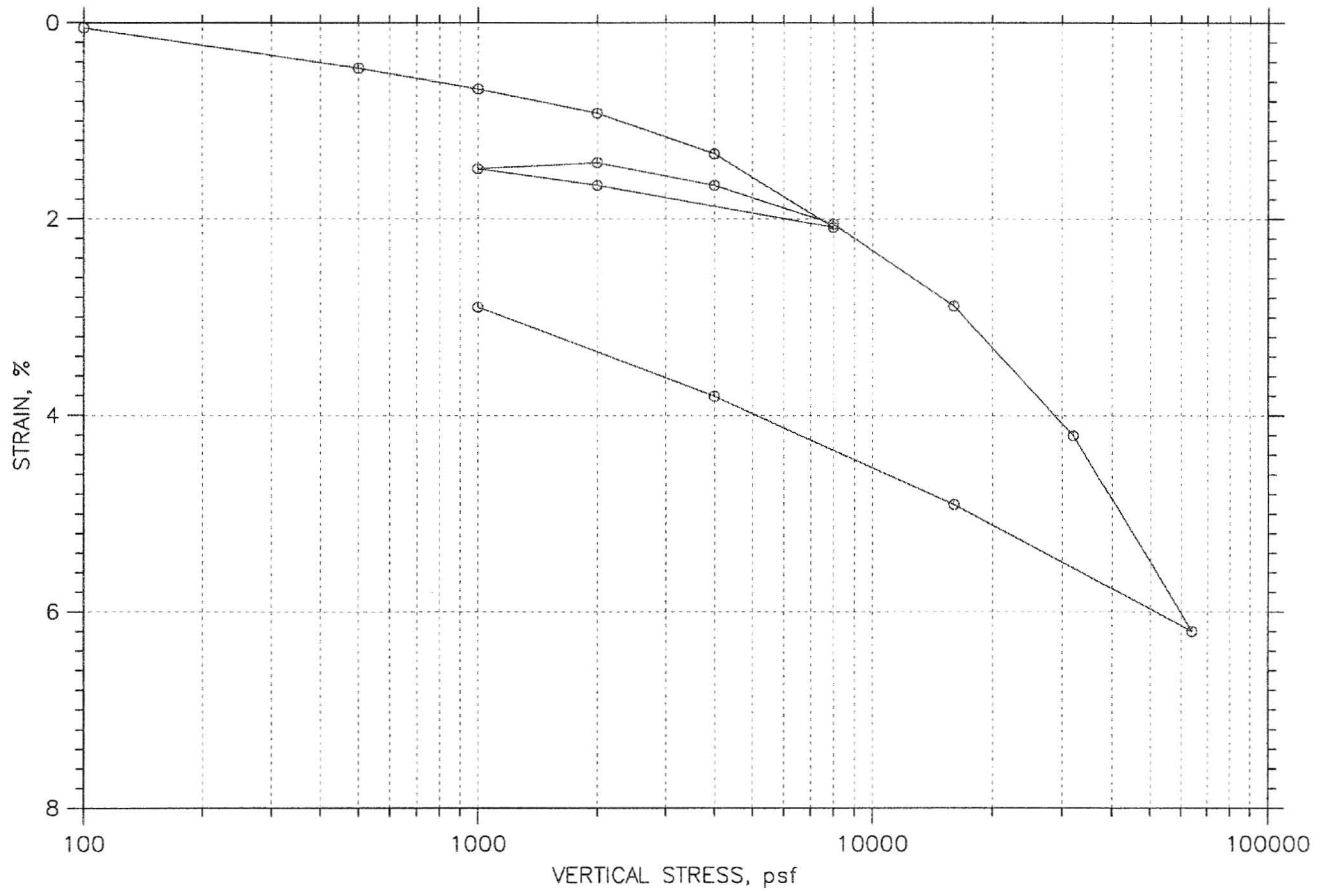
Project No.: 6141060286
Checked By: JW
Depth: 98.00'
Elevation: 122.05'

Soil Description: SILT, with sand (MH)
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	0.0008226	0.856	0.08	0.1	0.0	7.20e-005	0.00e+000	7.20e-005
2	500	0.004708	0.848	0.47	0.1	0.1	9.04e-005	1.05e-004	9.70e-005
3	1e+003	0.00776	0.843	0.78	0.1	0.0	8.99e-005	0.00e+000	8.99e-005
4	2e+003	0.01203	0.835	1.20	0.1	0.0	1.08e-004	1.27e-004	1.17e-004
5	4e+003	0.01758	0.824	1.76	0.1	0.0	5.69e-005	1.64e-004	8.45e-005
6	8e+003	0.02412	0.812	2.41	0.1	0.0	7.60e-005	0.00e+000	7.60e-005
7	2e+003	0.02021	0.820	2.02	0.3	0.0	2.18e-005	0.00e+000	2.18e-005
8	1e+003	0.01868	0.822	1.87	0.1	0.0	3.88e-005	0.00e+000	3.88e-005
9	2e+003	0.01903	0.822	1.90	0.1	0.0	7.83e-005	0.00e+000	7.83e-005
10	4e+003	0.02154	0.817	2.15	0.1	0.0	5.28e-005	0.00e+000	5.28e-005
11	8e+003	0.02487	0.811	2.49	0.0	0.0	1.21e-004	0.00e+000	1.21e-004
12	1.6e+004	0.03452	0.793	3.45	0.1	0.0	6.76e-005	2.14e-004	1.03e-004
13	3.2e+004	0.04579	0.772	4.58	0.1	0.0	5.73e-005	2.56e-004	9.37e-005
14	6.4e+004	0.06196	0.742	6.20	0.2	0.0	2.18e-005	2.01e-004	3.94e-005
15	1.6e+004	0.05475	0.755	5.47	0.0	0.0	2.09e-004	0.00e+000	2.09e-004
16	4e+003	0.04538	0.773	4.54	0.2	0.0	2.58e-005	1.98e-004	4.56e-005
17	1e+003	0.03712	0.788	3.71	2.0	0.0	2.65e-006	0.00e+000	2.65e-006

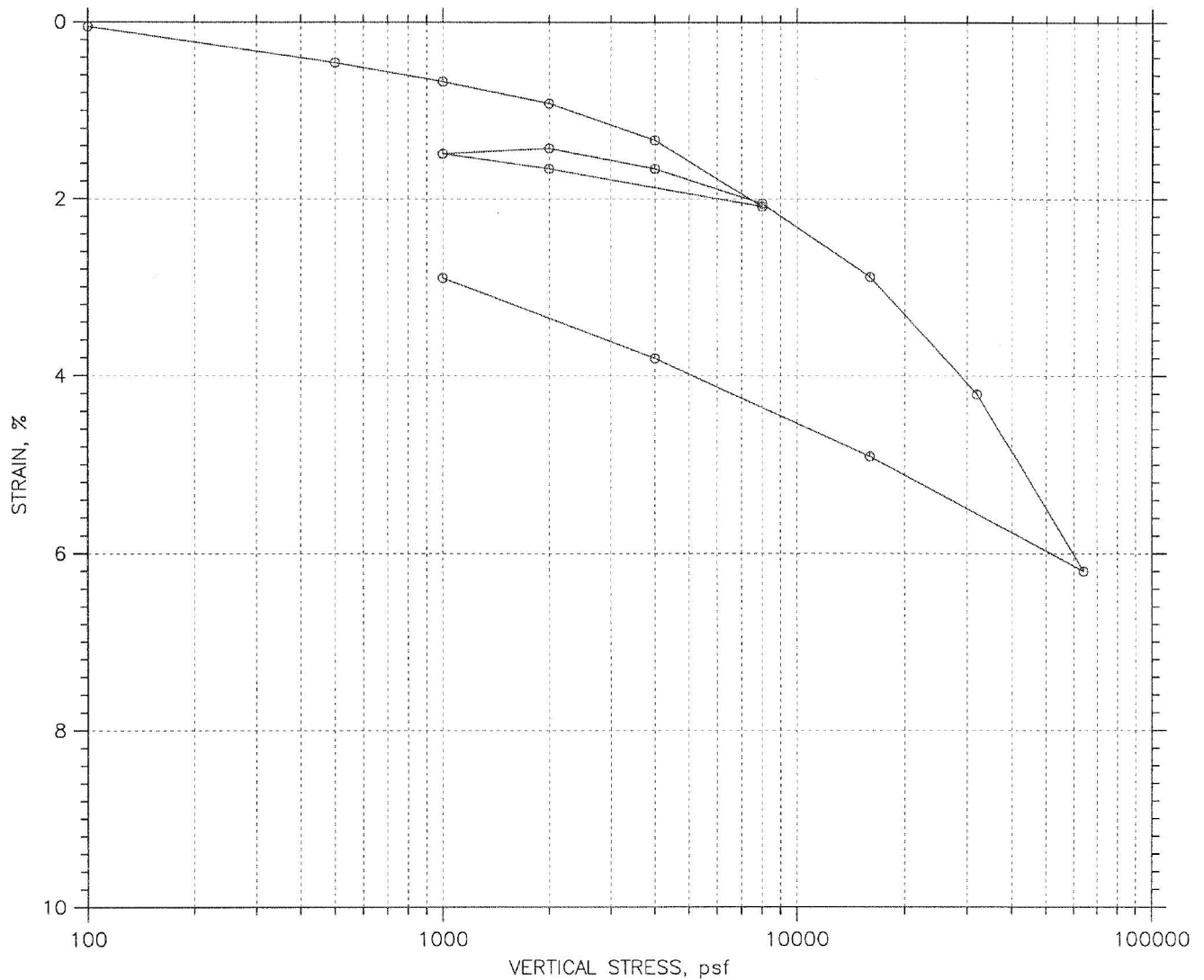
CONSOLIDATION TEST DATA

SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: HJ	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-3	Test Date: 6/12/07	Depth: 108.50'
	Test No.: 7494	Sample Type: Undisturbed	Elevation: 109.90'
	Description: CLAY, with gravel (CL) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 1.06e+004 psf				Water Content, %	27.15	26.72
Preconsolidation Pressure: 0 psf				Dry Unit Weight, pcf	94.92	97.76
Compression Index: 0.096				Saturation, %	94.51	99.61
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.78	0.72
LL: ---	PL: ---	PI: ---	GS: 2.70			

MACTEC	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: HJ	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-3	Test Date: 6/12/07	Depth: 108.50'
	Test No.: 7494	Sample Type: Undisturbed	Elevation: 109.90'
	Description: CLAY, with gravel (CL) (Visual)		
	Remarks: Cr= 0.011		