

CONSOLIDATION TEST DATA

Project: Vogtle COL
Boring No.: B-4001
Sample No.: UD-10
Test No.: 7556

Location: B-4001
Tested By: BM
Test Date: 5/31/07
Sample Type: Undisturbed

Project No.: 6141060286
Checked By: HJ
Depth: 248.50'
Elevation: -29.62'

Soil Description: SAND (SP) (Visual)
Remarks: Cr= 0.006

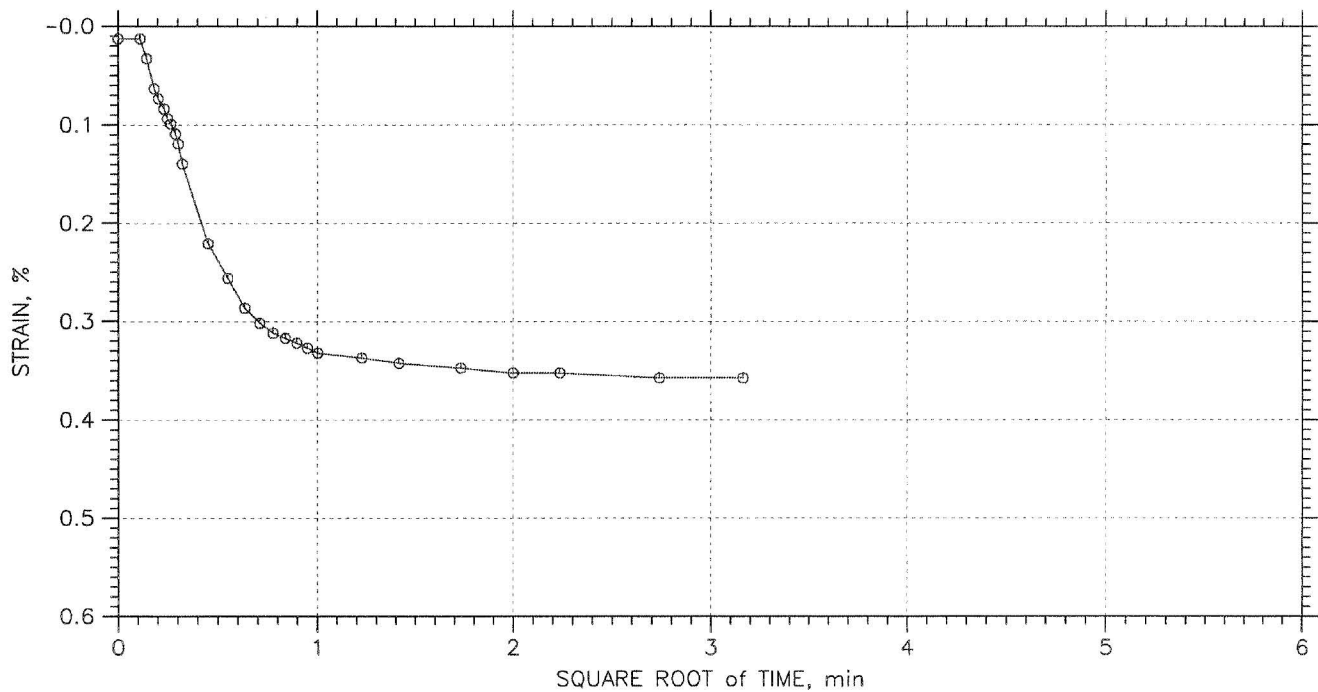
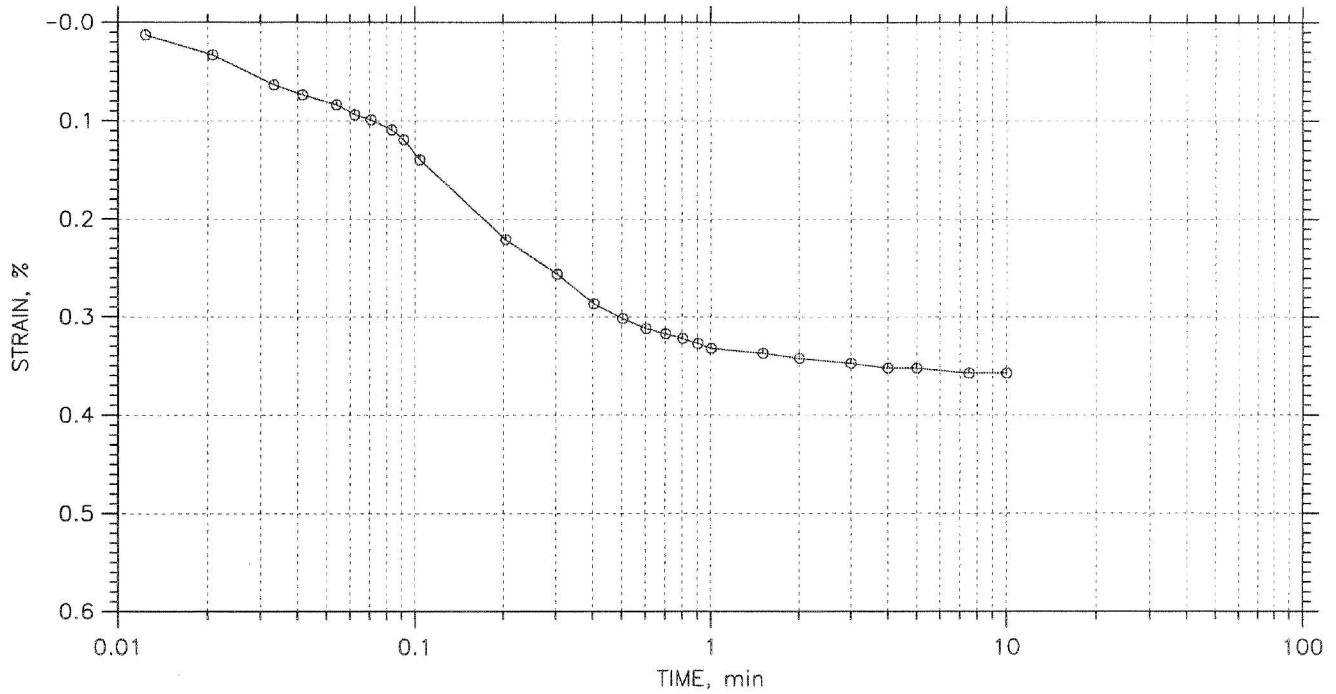
	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting		Coefficient of Consolidation		
					Sq.Rt. min	Log min	Sq.Rt. ft^2/sec	Log ft^2/sec	Ave. ft^2/sec
1	100	0.003574	0.545	0.36	0.2	0.1	3.05e-005	4.56e-005	3.66e-005
2	500	0.02071	0.519	2.07	0.3	0.0	1.87e-005	0.00e+000	1.87e-005
3	1e+003	0.02553	0.511	2.55	0.1	0.1	8.07e-005	8.19e-005	8.13e-005
4	2e+003	0.03055	0.504	3.06	0.1	0.0	9.24e-005	1.37e-004	1.10e-004
5	4e+003	0.03951	0.490	3.95	0.0	0.0	1.31e-004	0.00e+000	1.31e-004
6	8e+003	0.04865	0.476	4.87	0.0	0.0	1.64e-004	0.00e+000	1.64e-004
7	1.6e+004	0.05994	0.458	6.00	0.0	0.0	1.69e-004	0.00e+000	1.69e-004
8	4e+003	0.05711	0.462	5.71	0.0	0.0	2.59e-004	0.00e+000	2.59e-004
9	1e+003	0.05558	0.465	5.56	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
10	2e+003	0.05497	0.466	5.50	0.0	0.0	1.70e-004	0.00e+000	1.70e-004
11	4e+003	0.05574	0.465	5.58	0.0	0.0	2.95e-004	0.00e+000	2.95e-004
12	8e+003	0.05787	0.461	5.79	0.0	0.0	2.87e-004	0.00e+000	2.87e-004
13	1.6e+004	0.06232	0.454	6.23	0.0	0.0	2.64e-004	0.00e+000	2.64e-004
14	3.2e+004	0.07428	0.436	7.43	0.0	0.0	2.22e-004	0.00e+000	2.22e-004
15	6.4e+004	0.0914	0.409	9.14	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
16	1.6e+004	0.08918	0.413	8.92	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
17	4e+003	0.08463	0.420	8.47	0.0	0.0	2.42e-004	0.00e+000	2.42e-004
18	1e+003	0.08097	0.425	8.10	0.0	0.0	9.78e-005	0.00e+000	9.78e-005

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 1 of 18

Stress: 100. psf



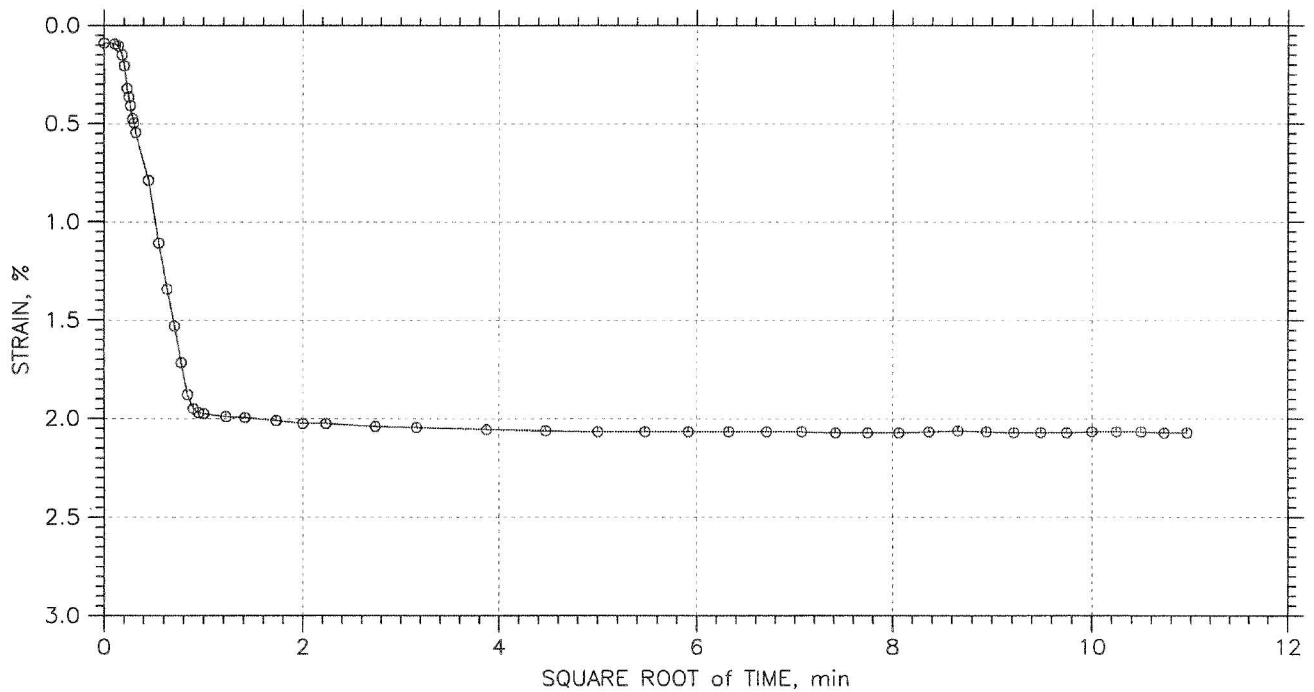
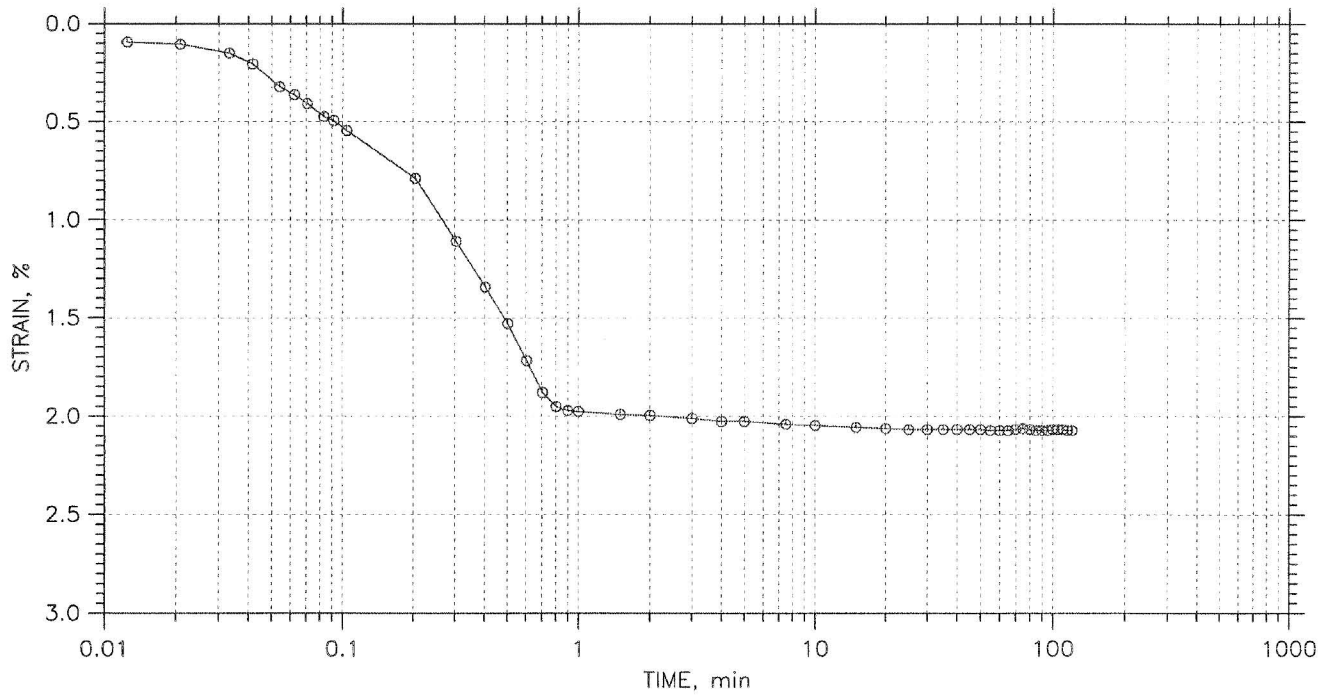
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 2 of 18

Stress: 500. psf



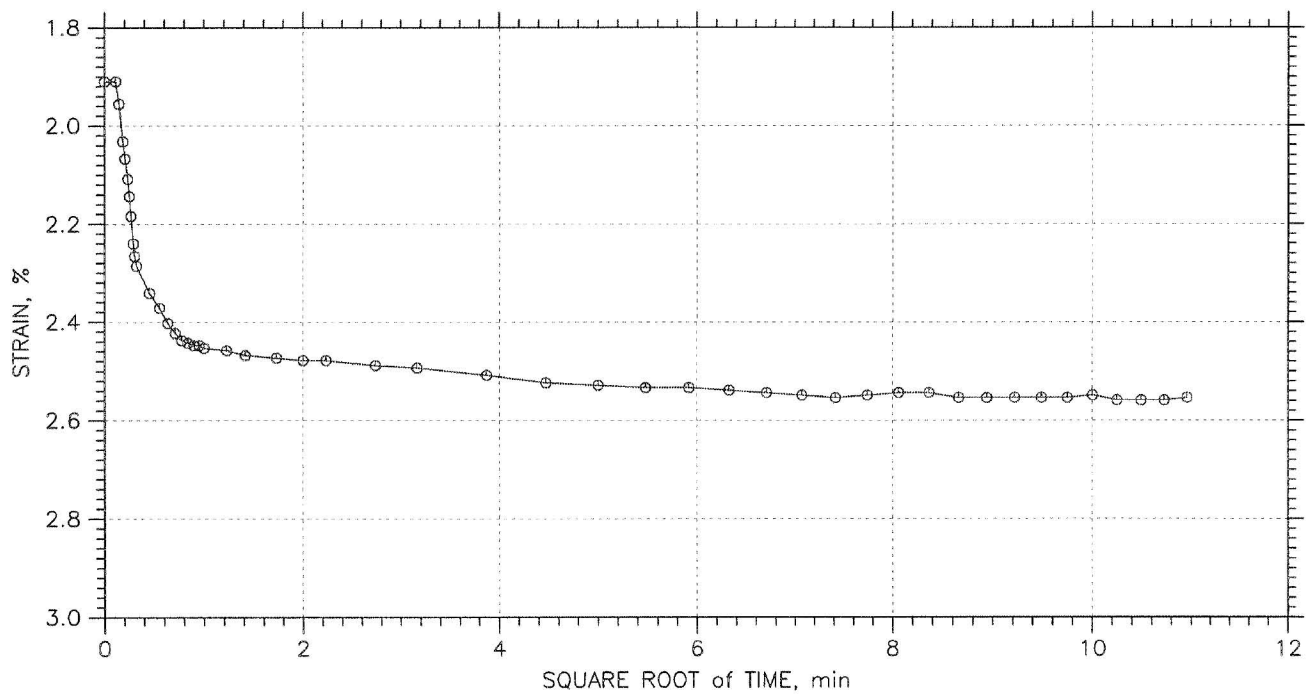
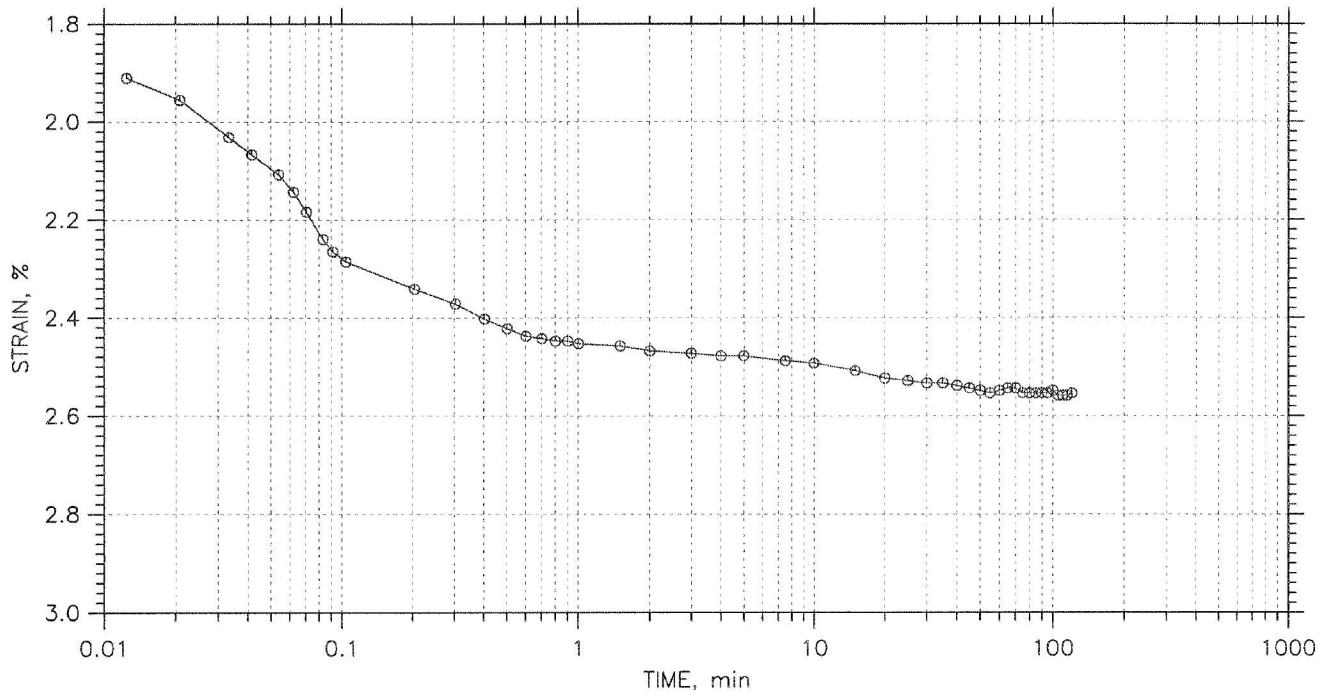
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 3 of 18

Stress: 1000. psf



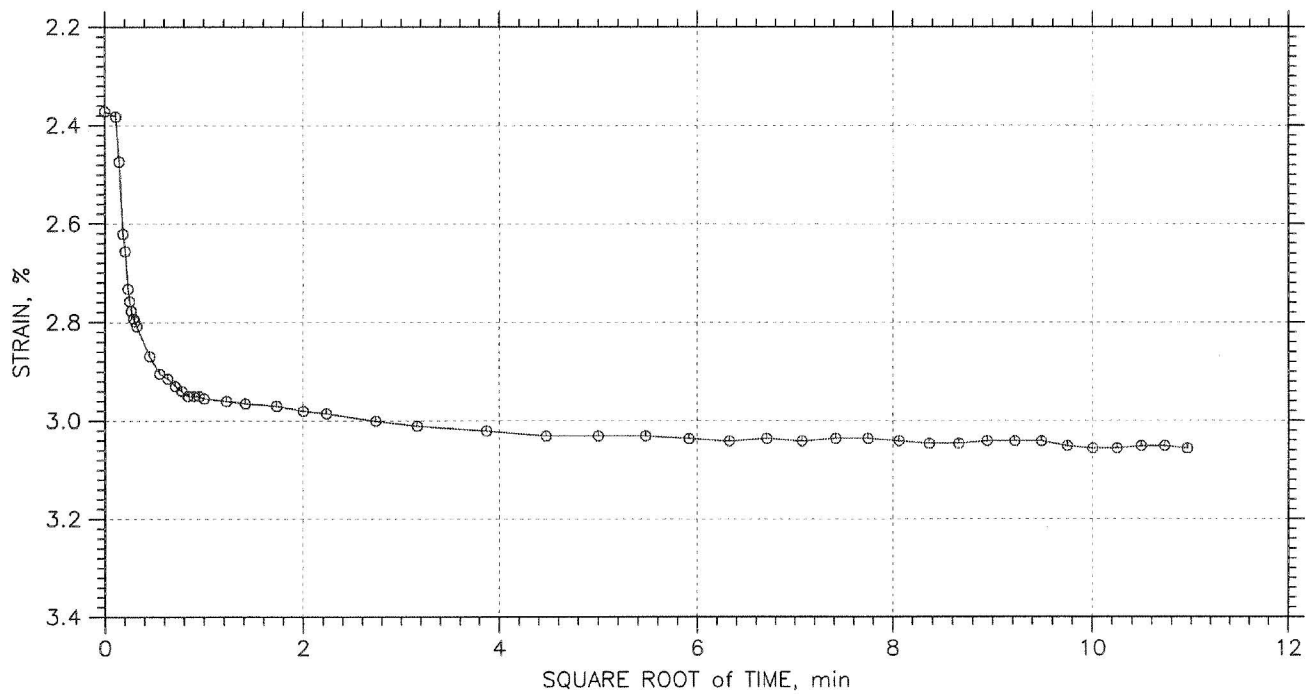
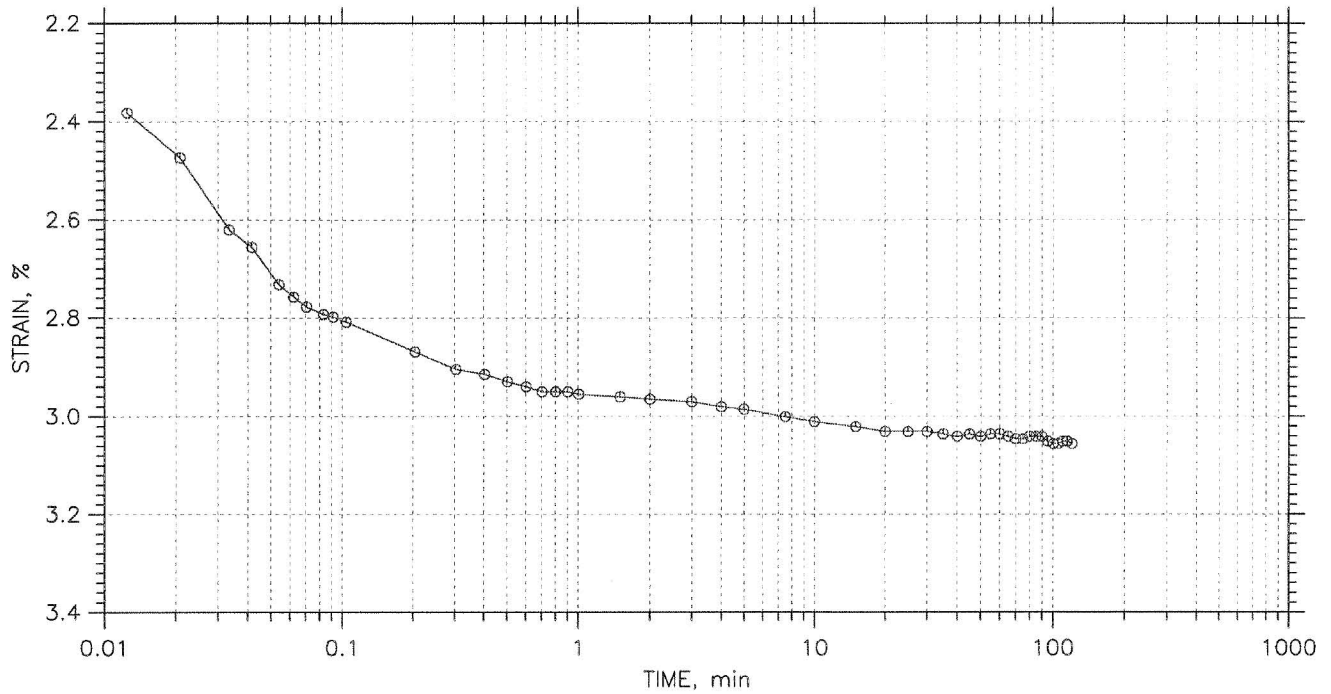
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 4 of 18

Stress: 2000. psf



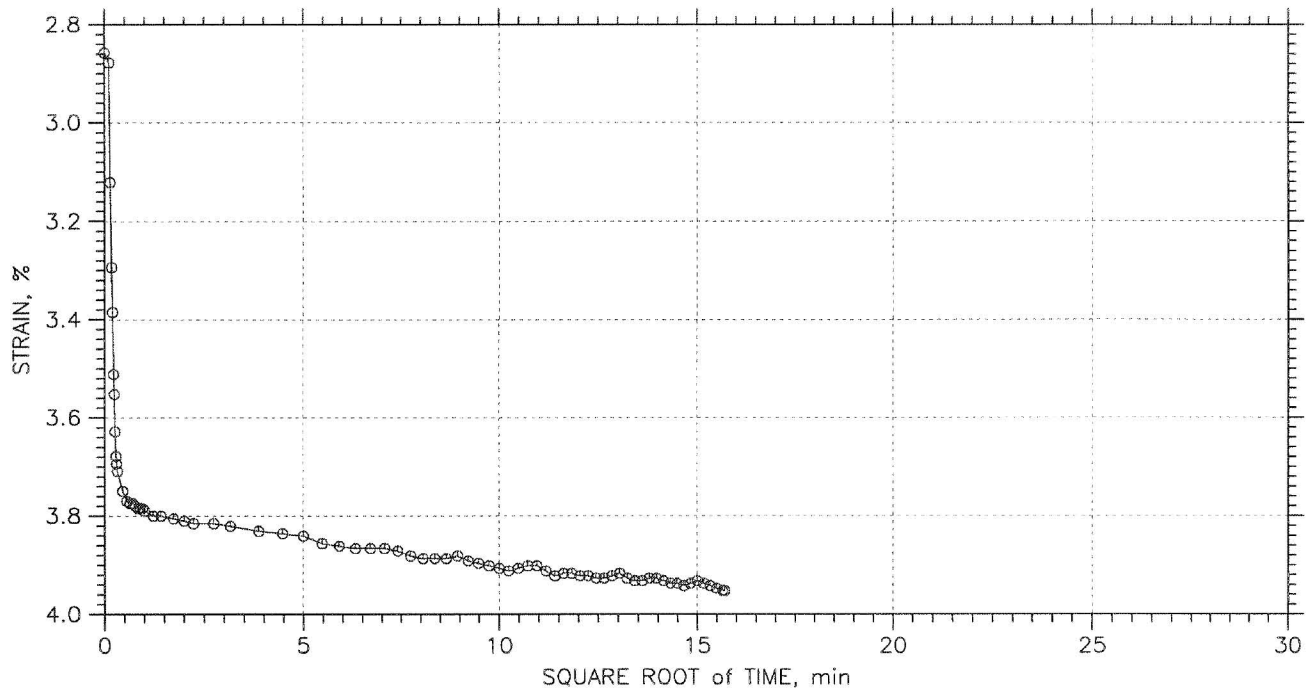
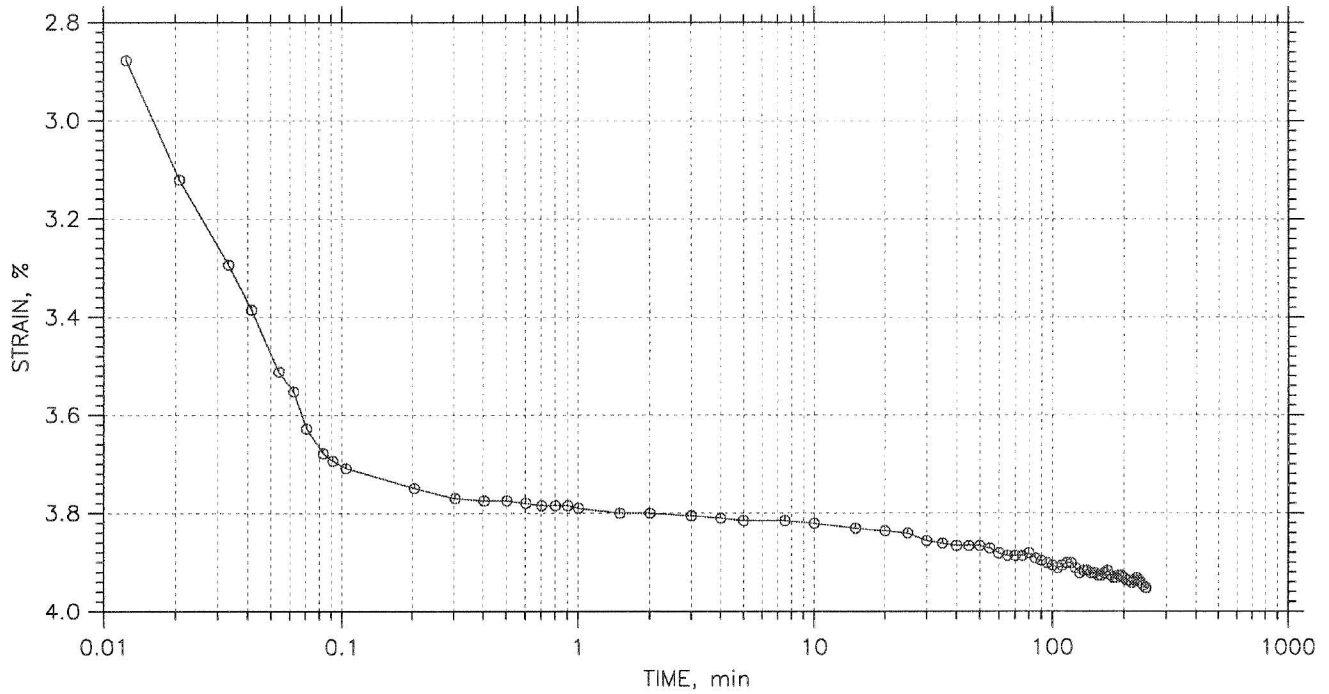
MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 5 of 18

Stress: 4000. psf



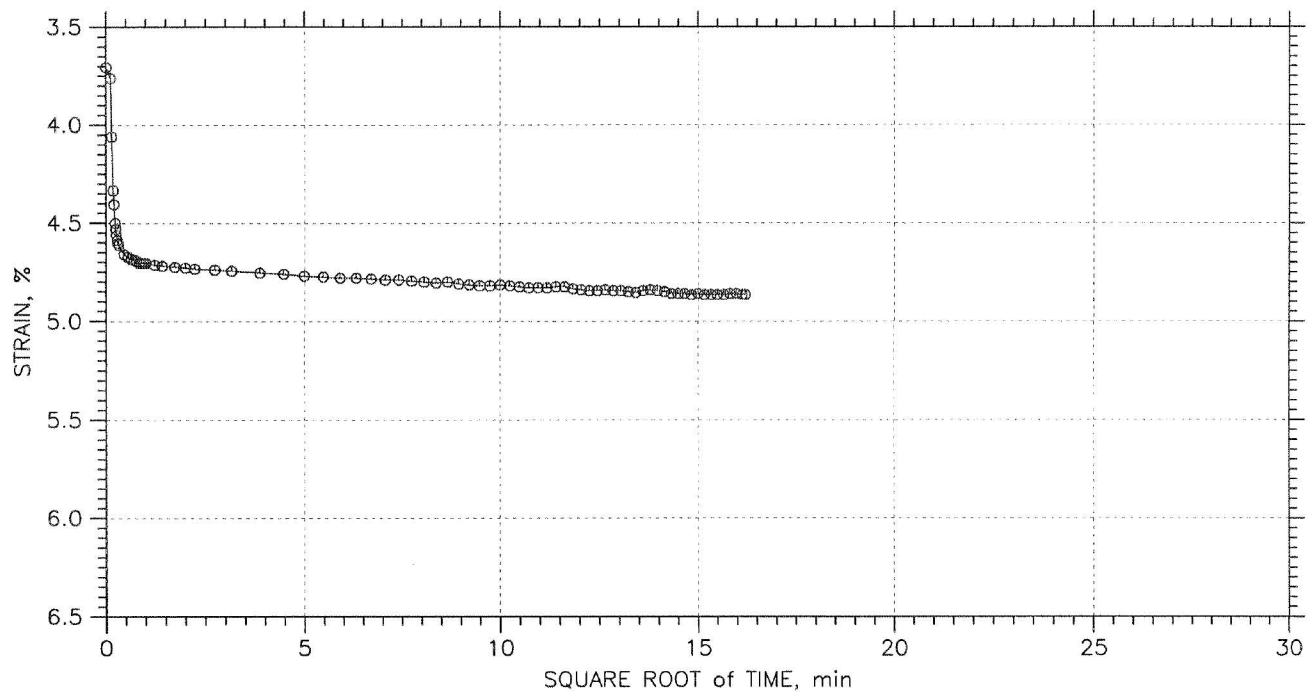
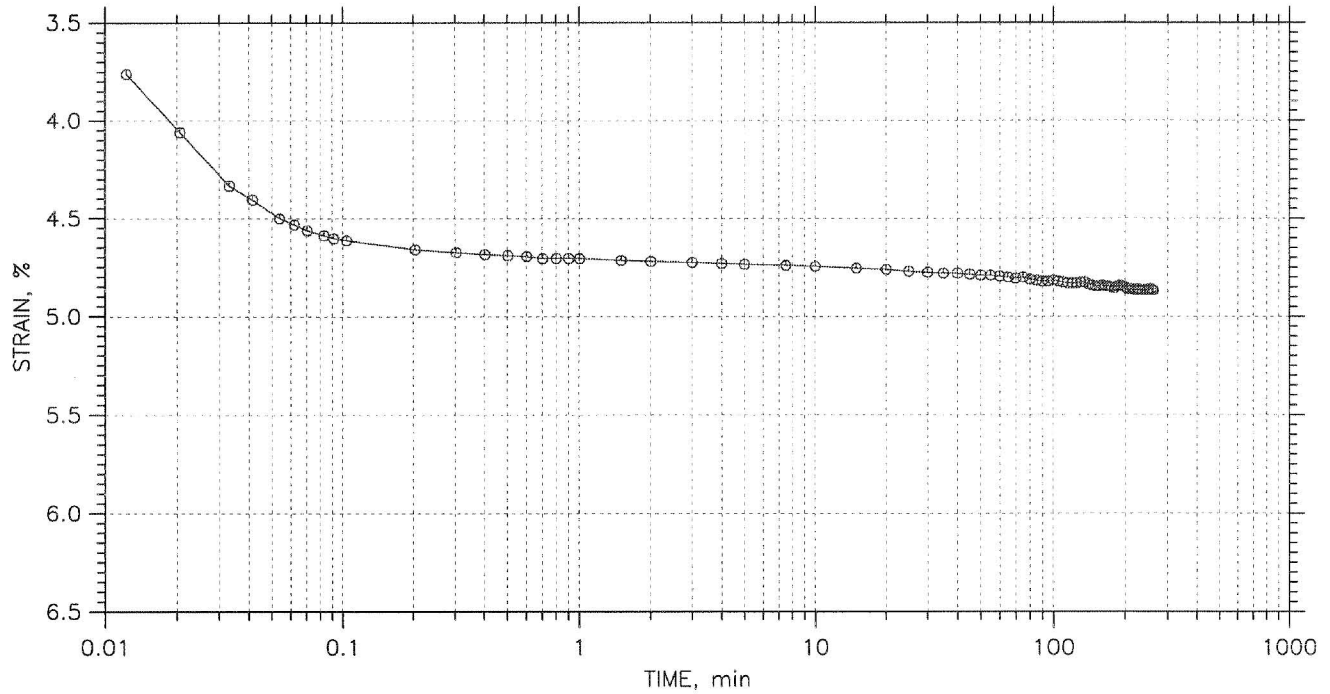
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

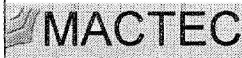
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 6 of 18

Stress: 8000. psf



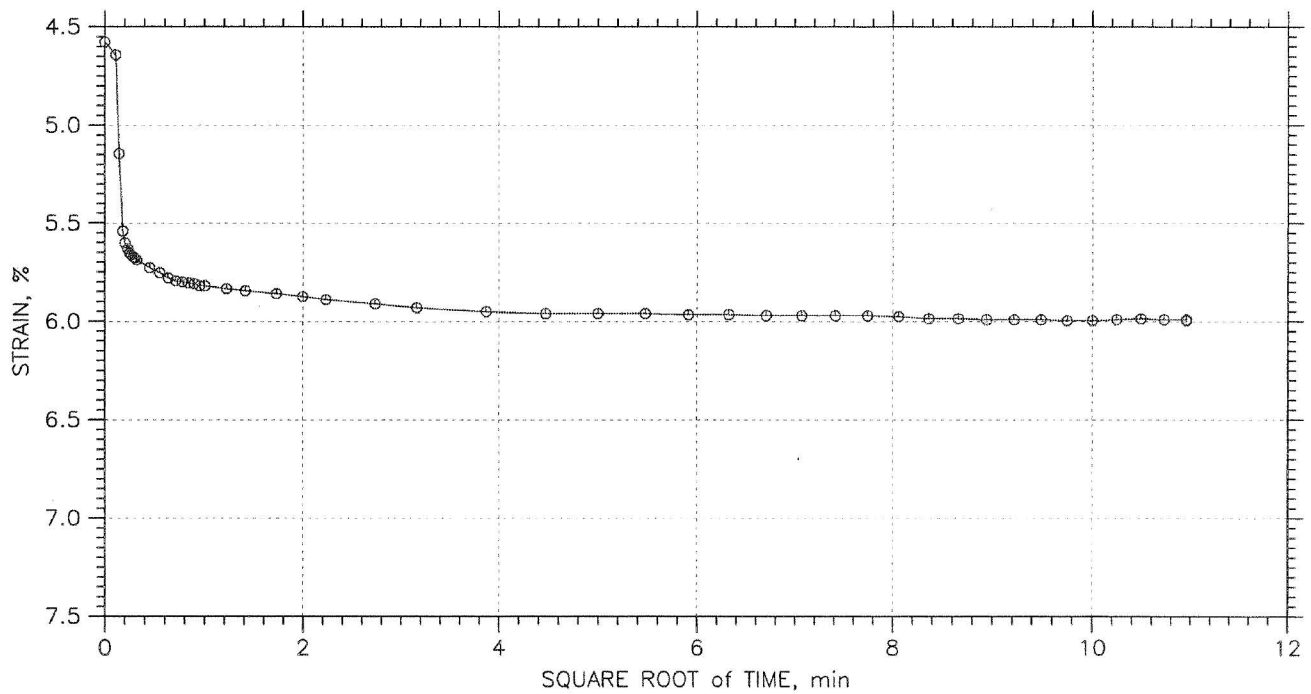
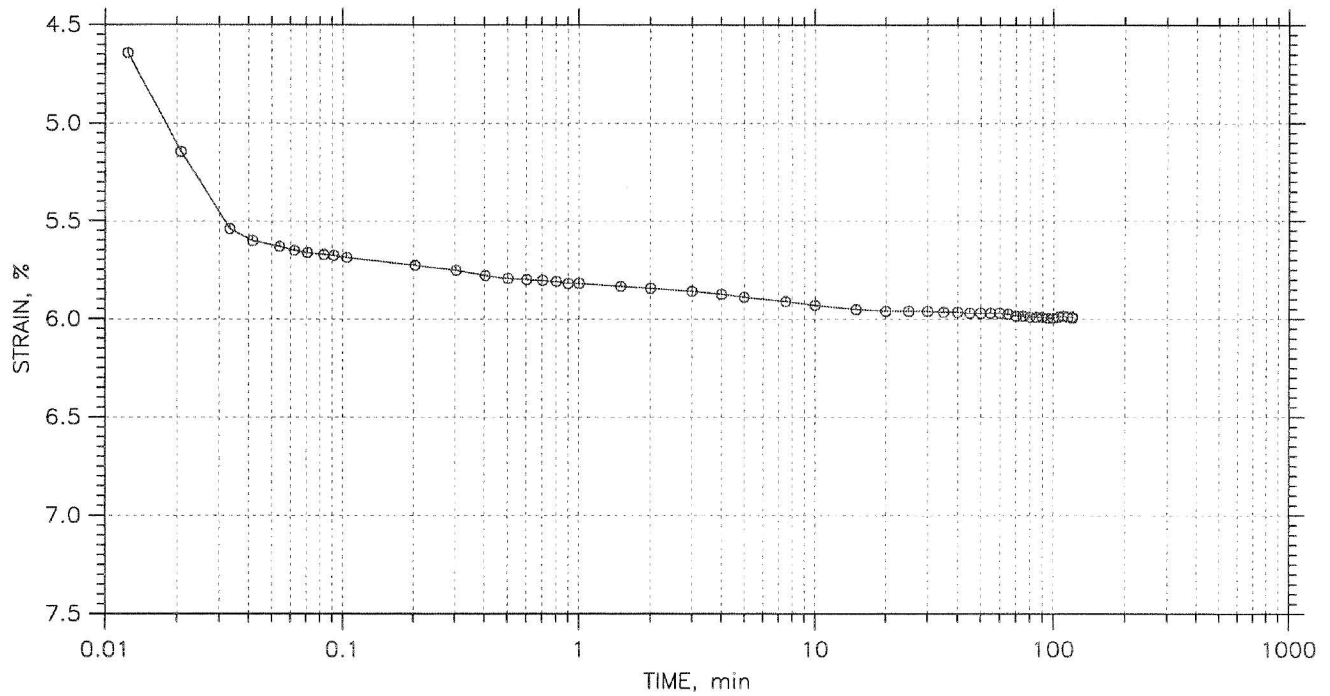
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 7 of 18

Stress: 16000 psf



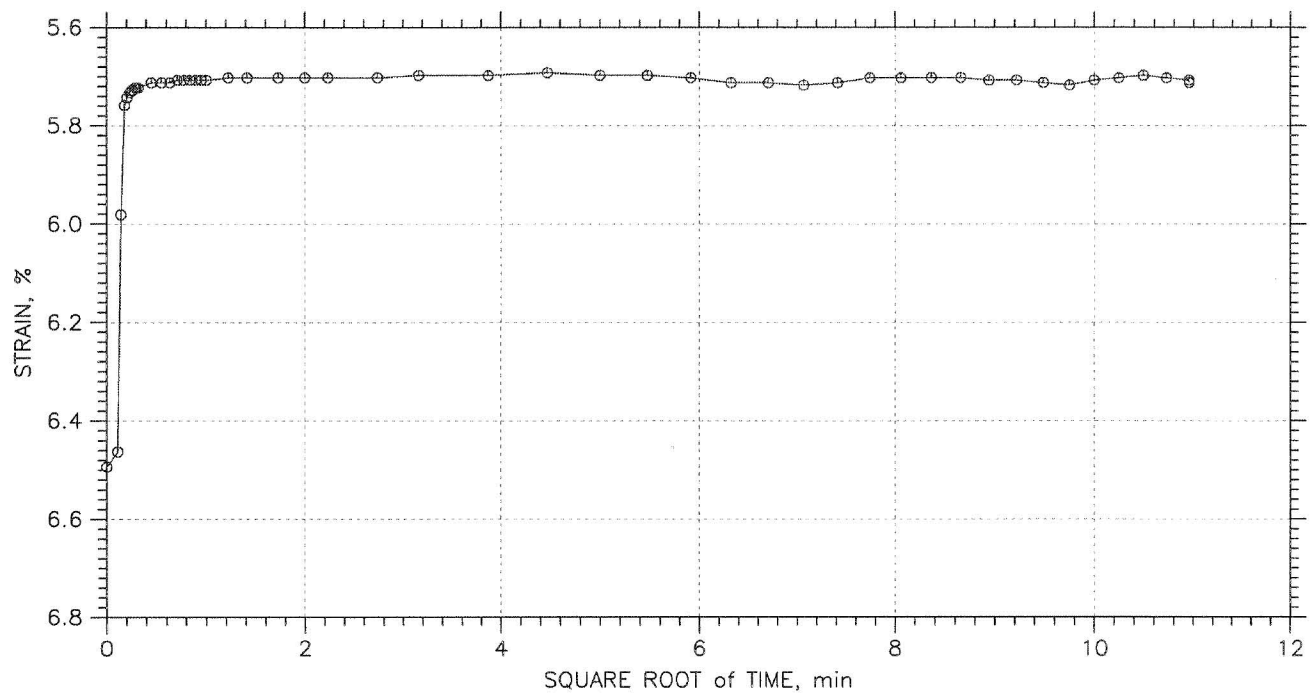
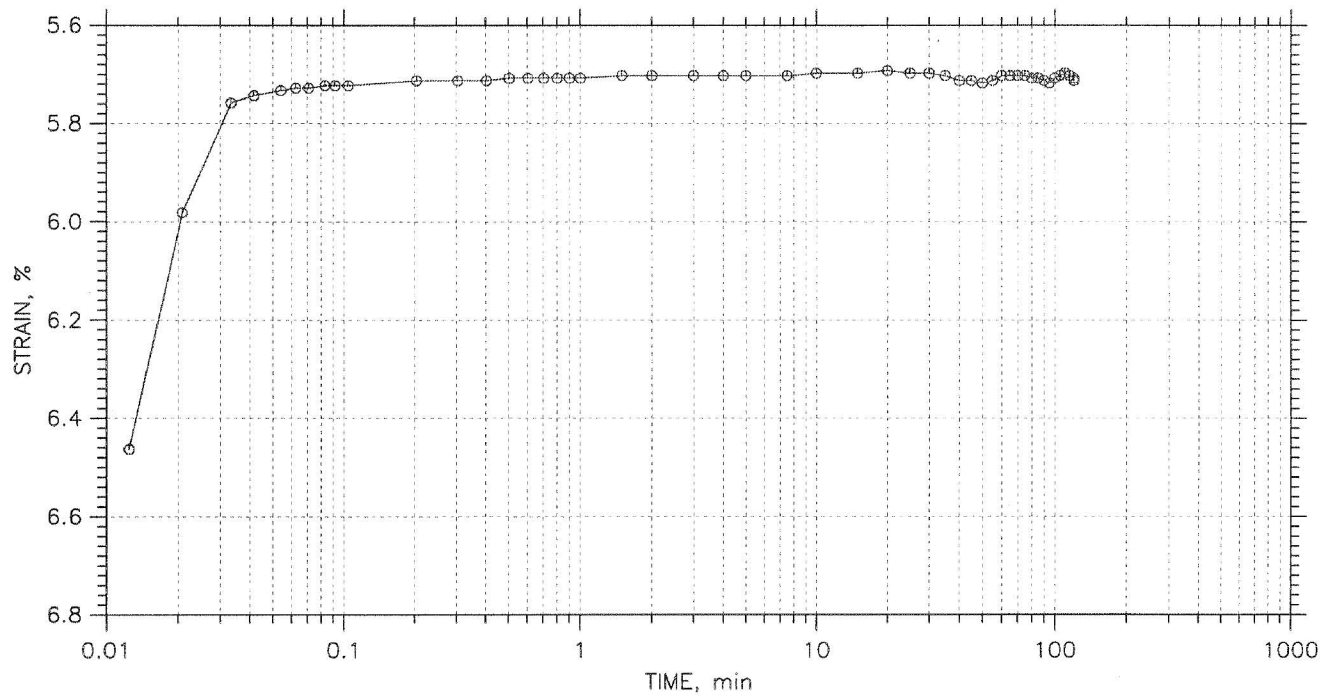
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 8 of 18

Stress: 4000. psf



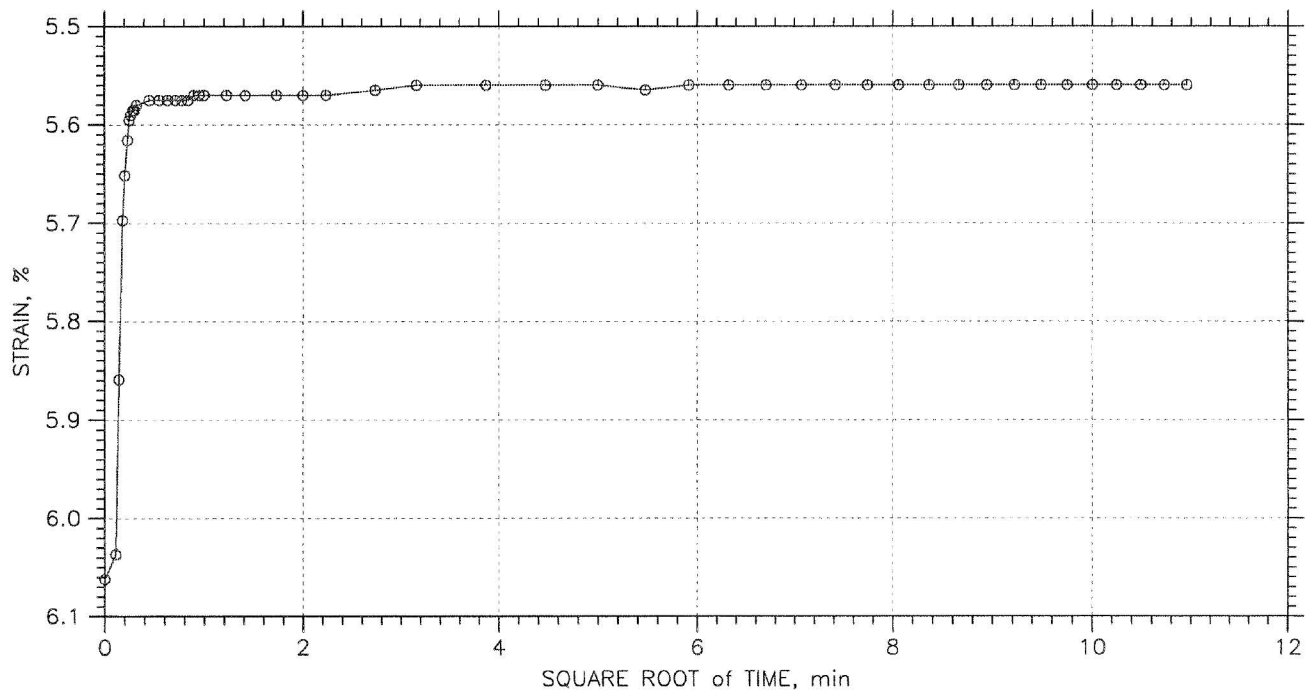
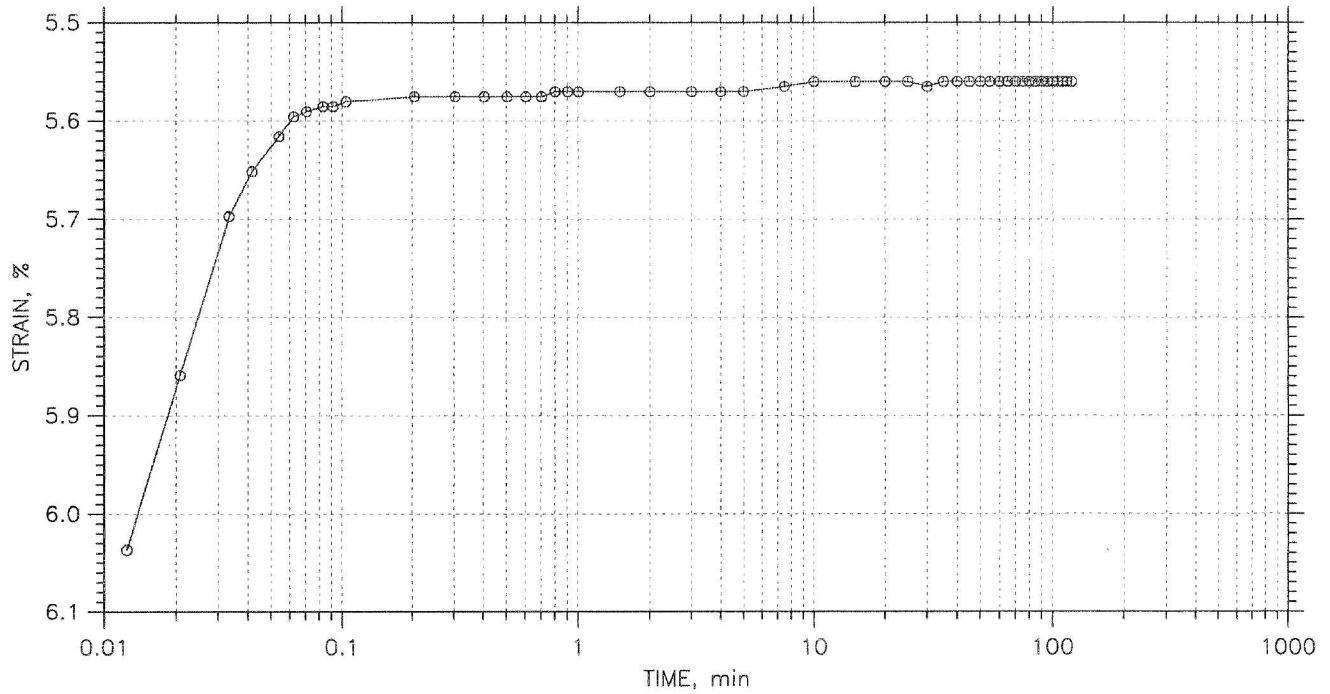
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 9 of 18

Stress: 1000. psf



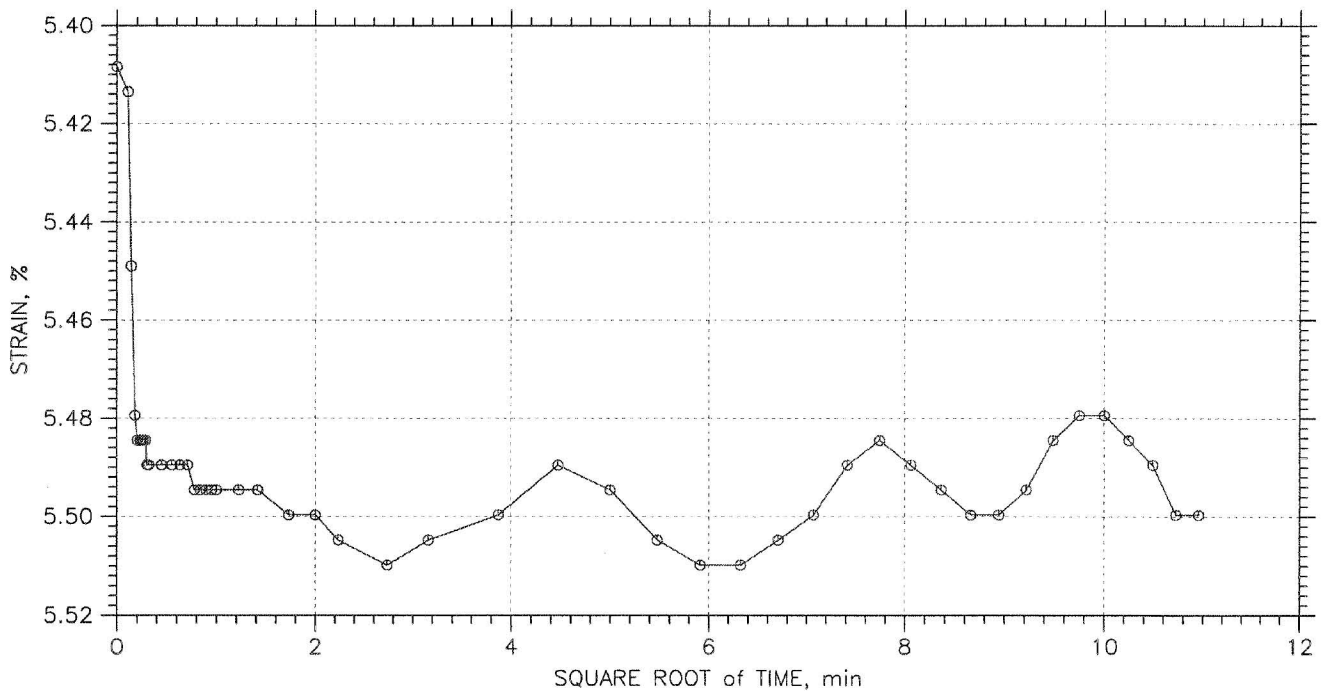
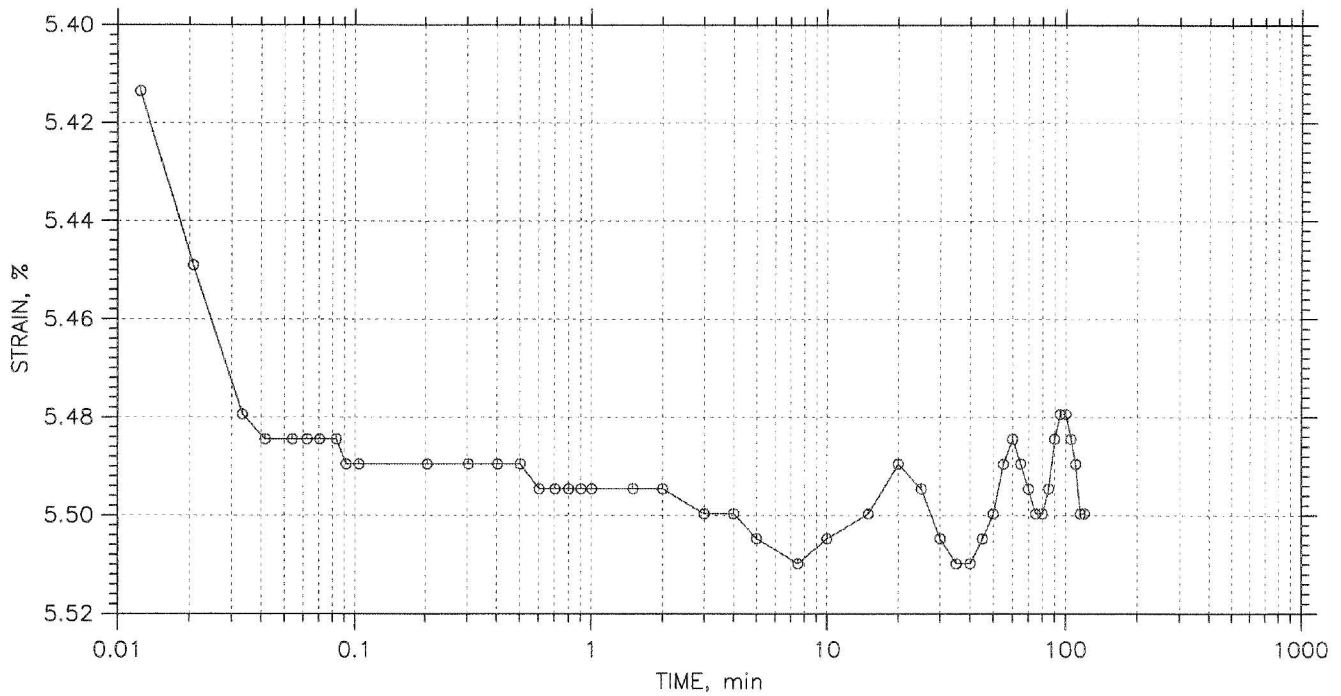
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 10 of 18

Stress: 2000. psf



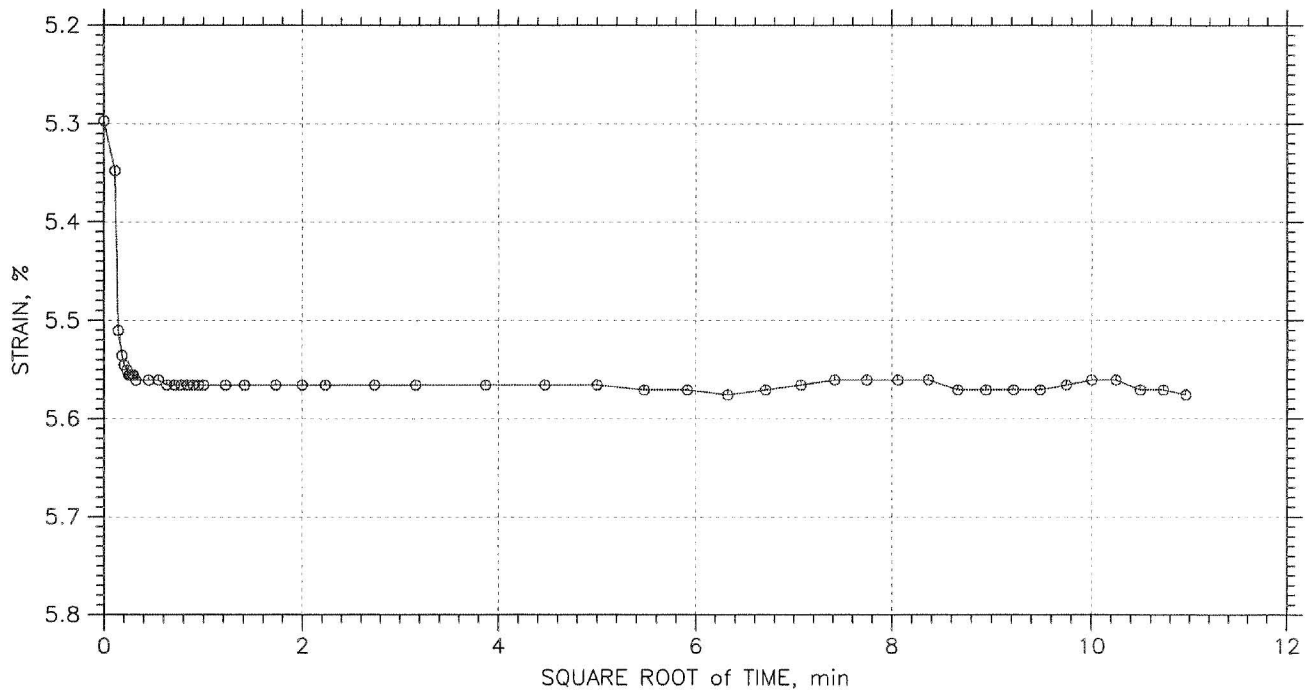
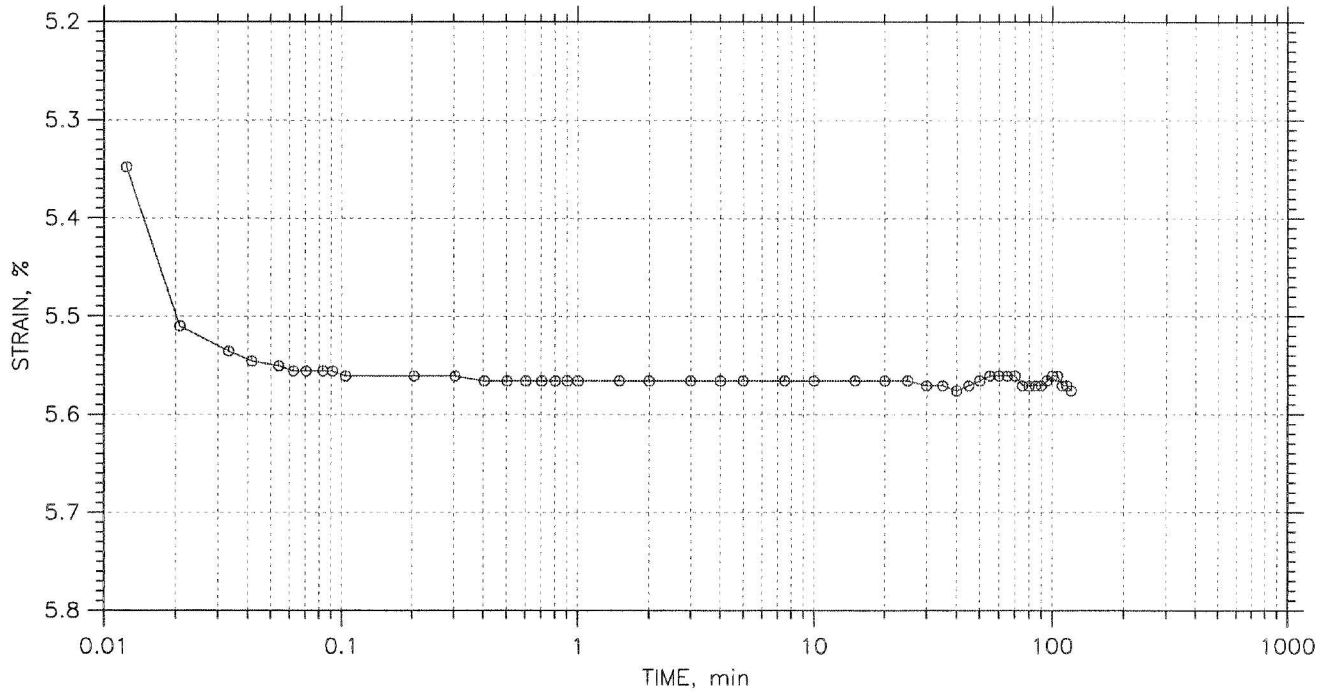
MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 11 of 18

Stress: 4000. psf



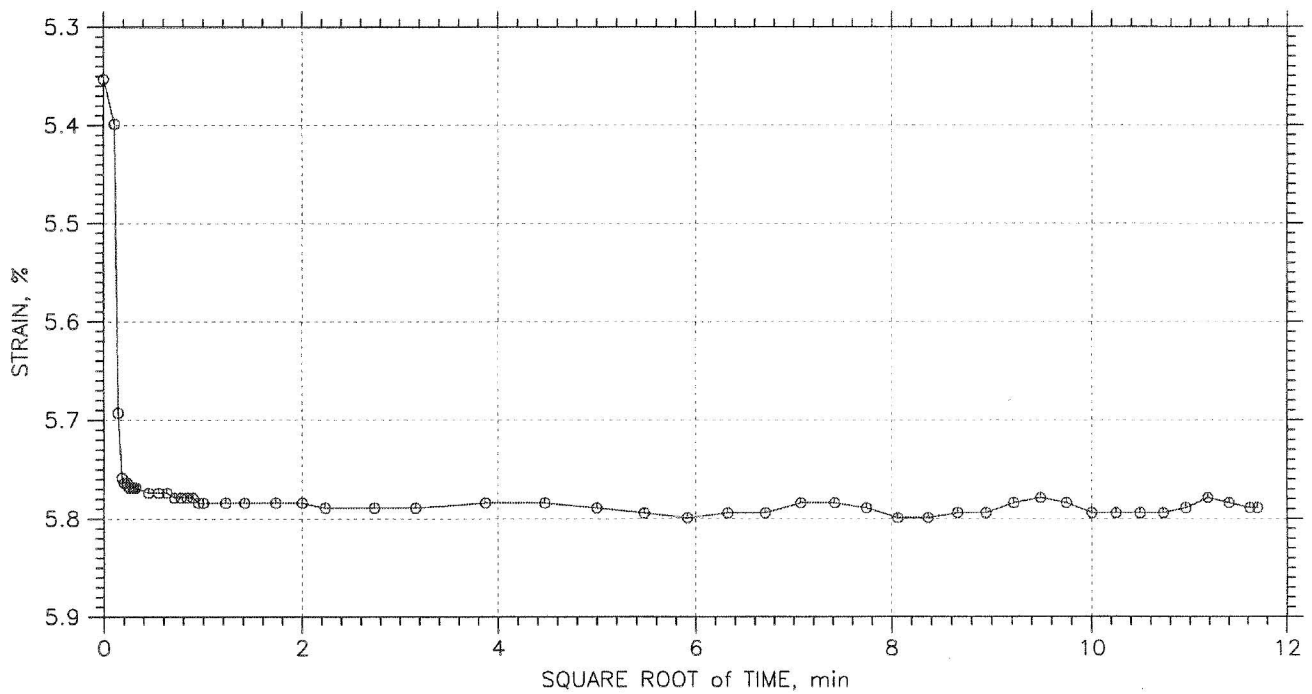
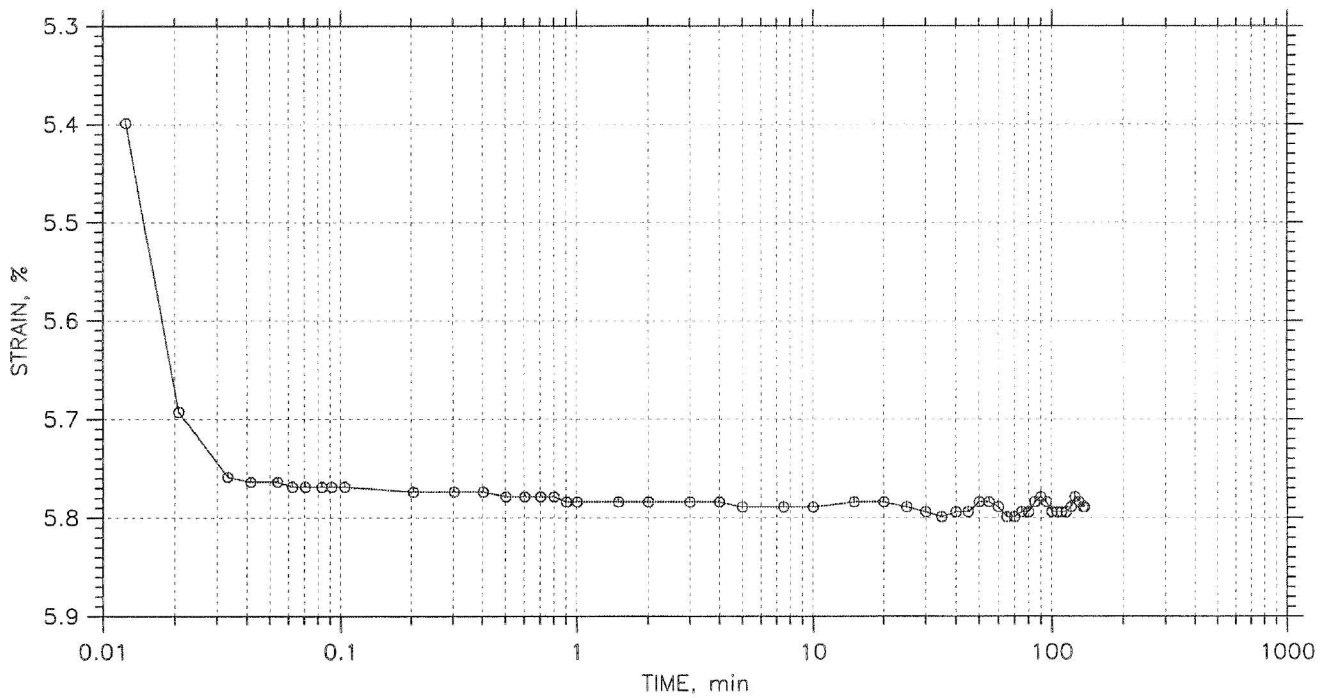
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 12 of 18

Stress: 8000. psf



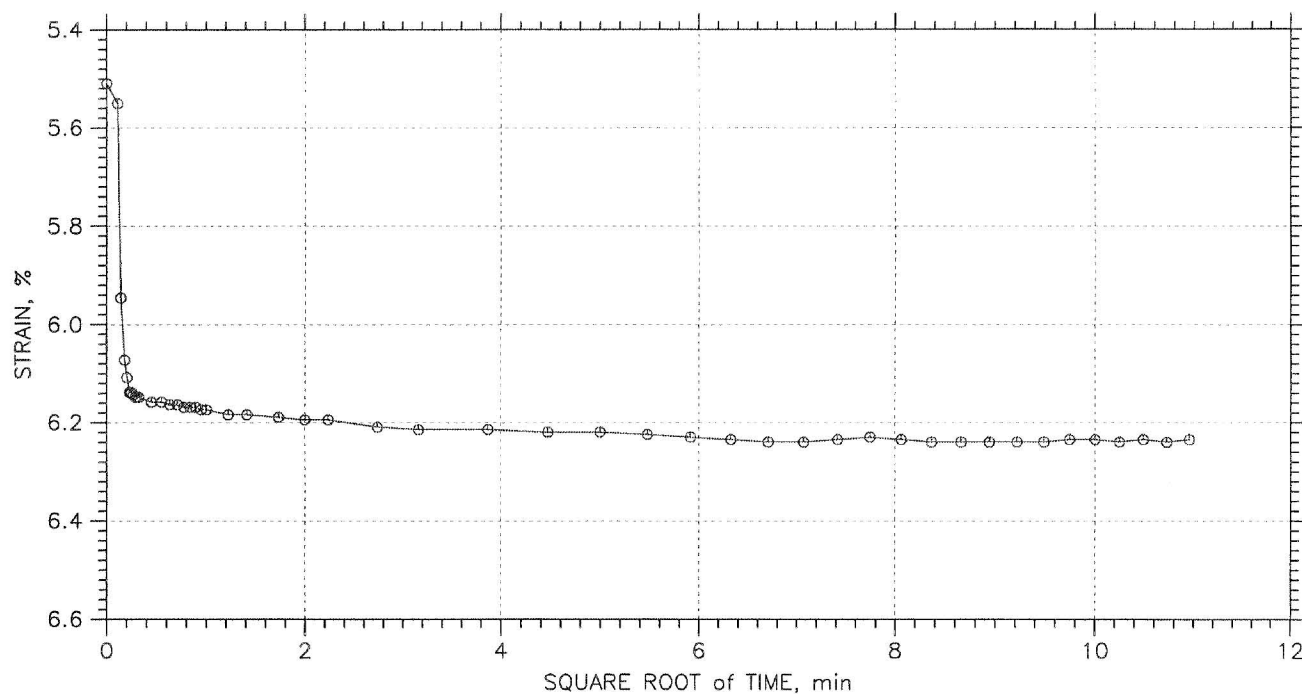
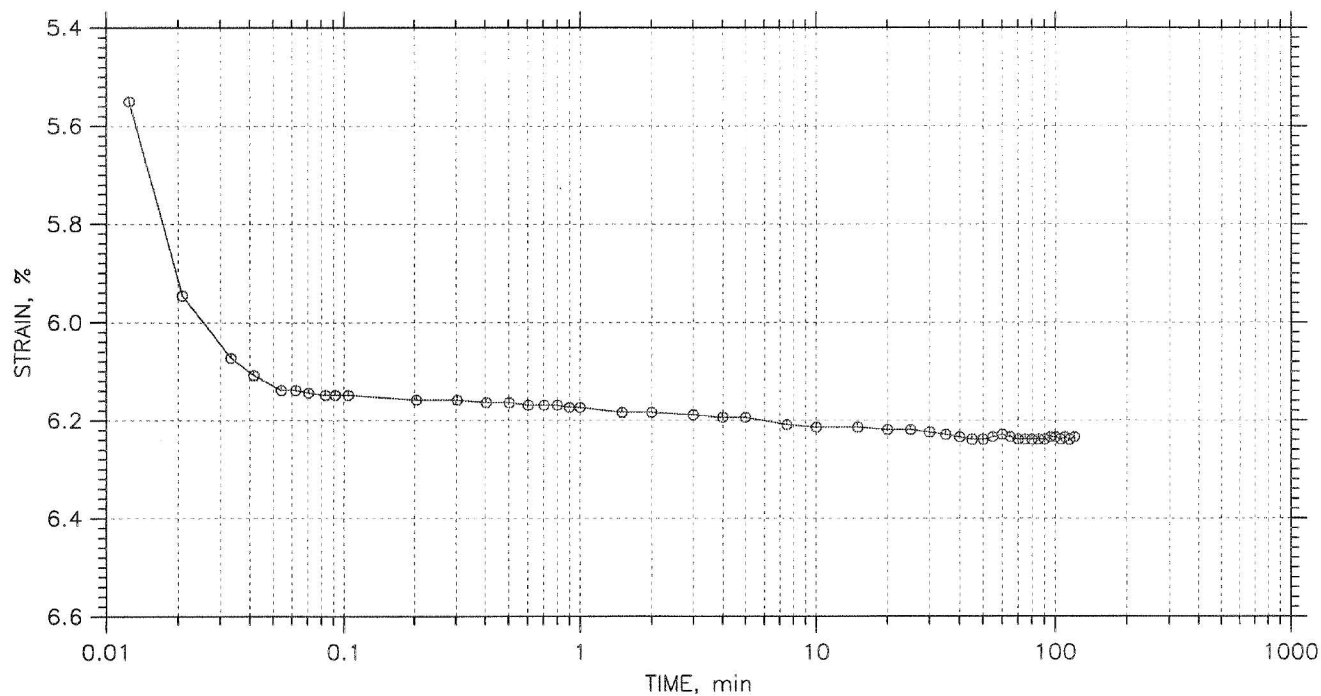
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 13 of 18

Stress: 16000 psf



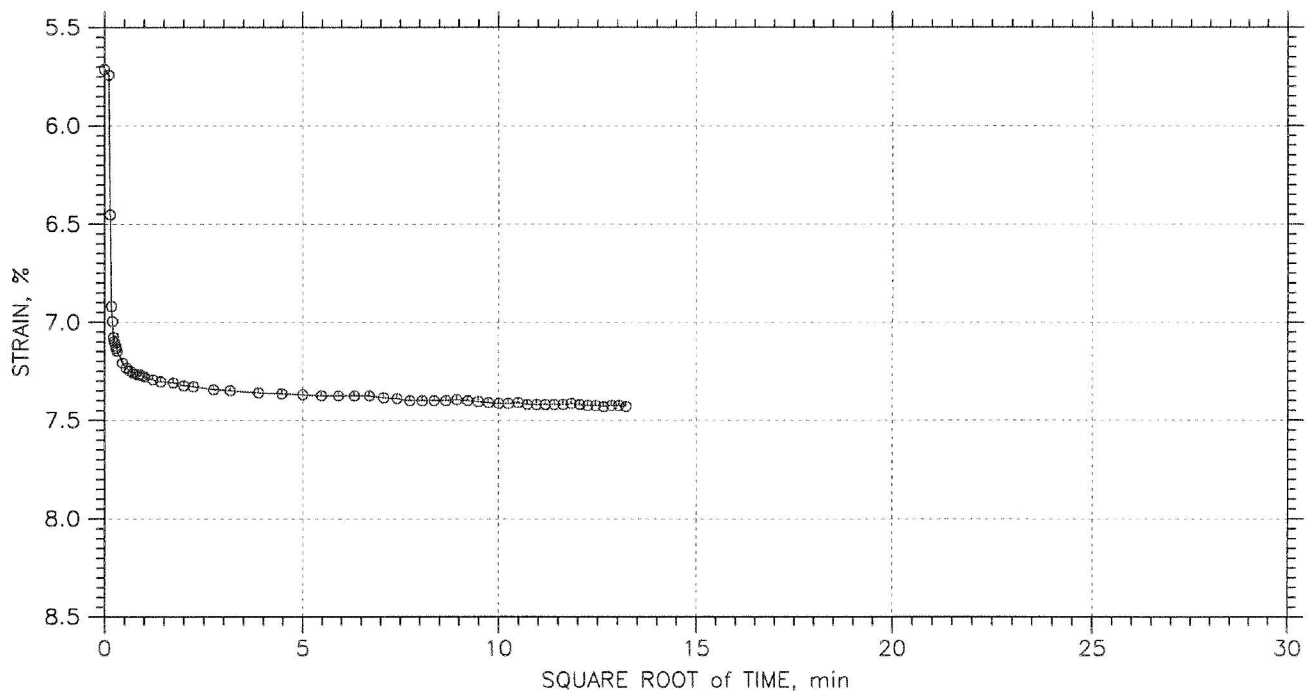
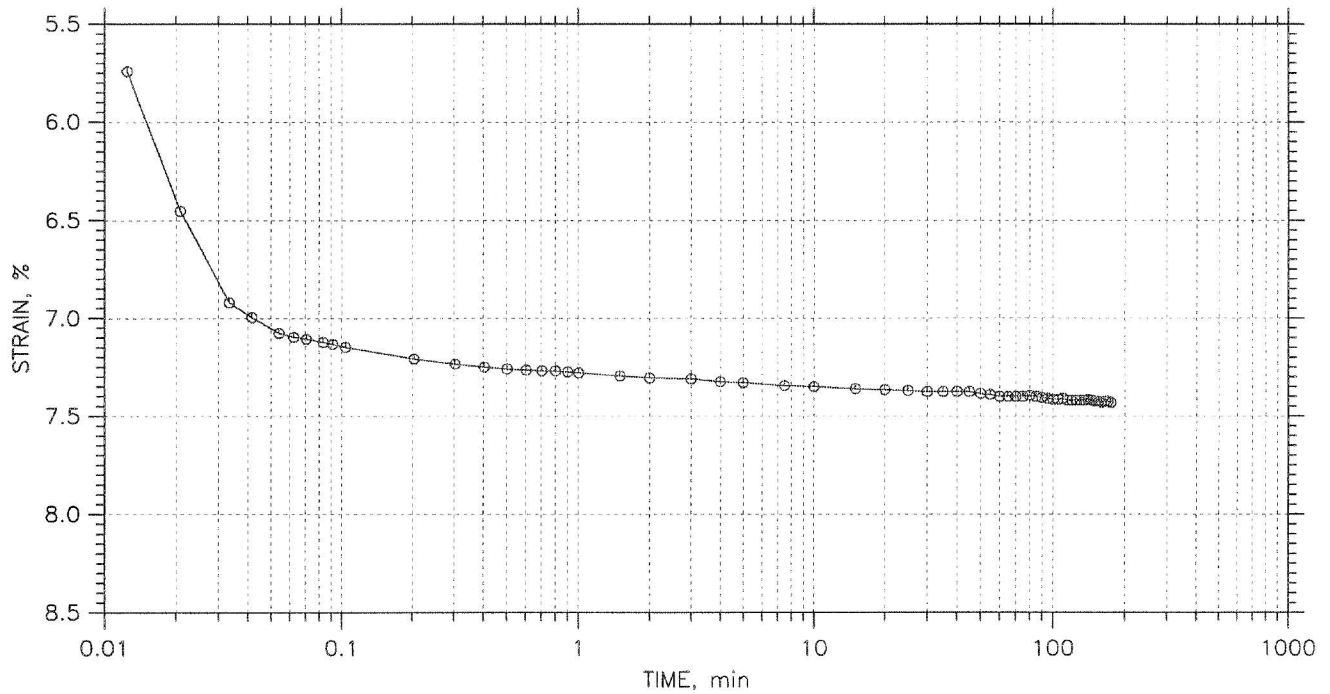
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

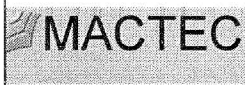
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 14 of 18

Stress: 32000 psf



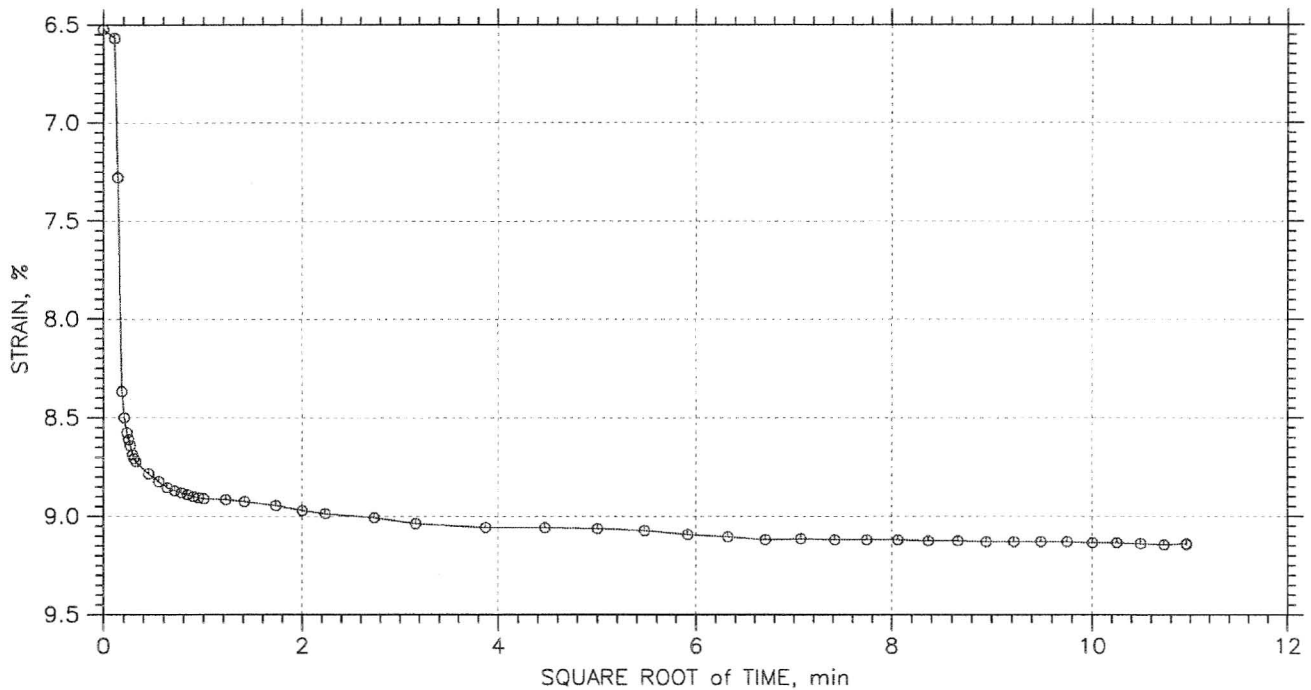
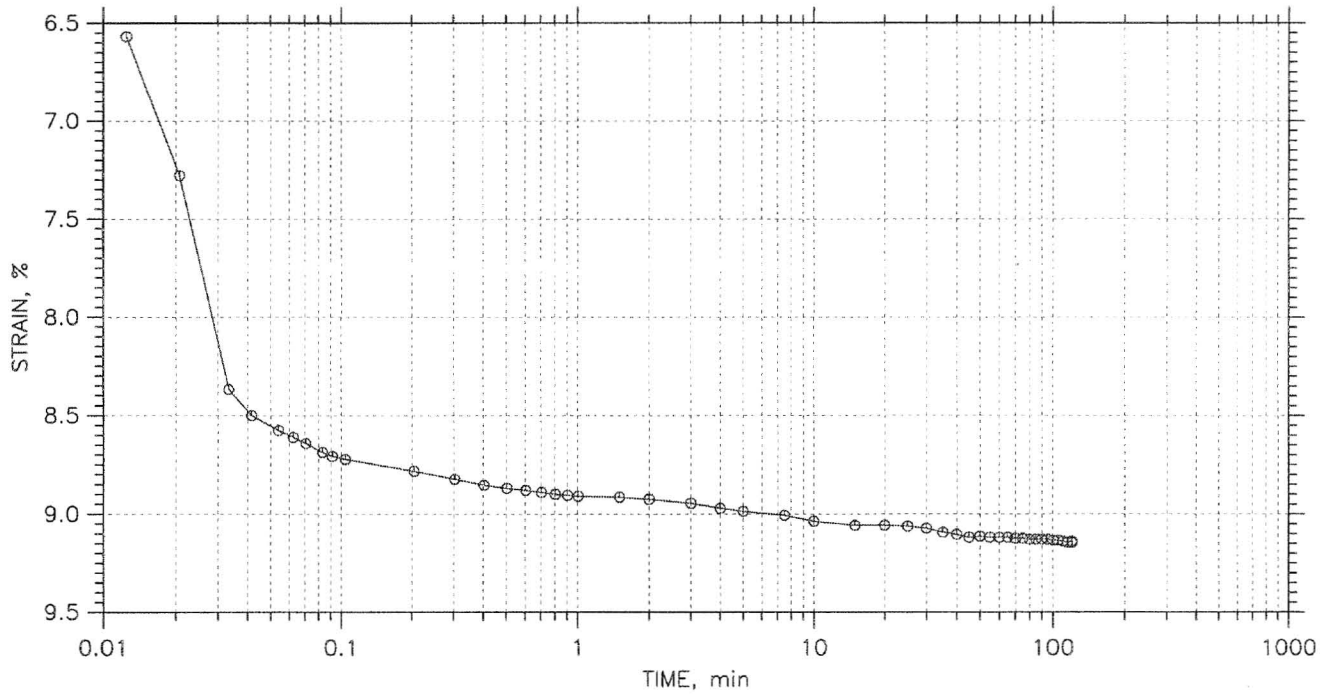
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 15 of 18

Stress: 64000 psf



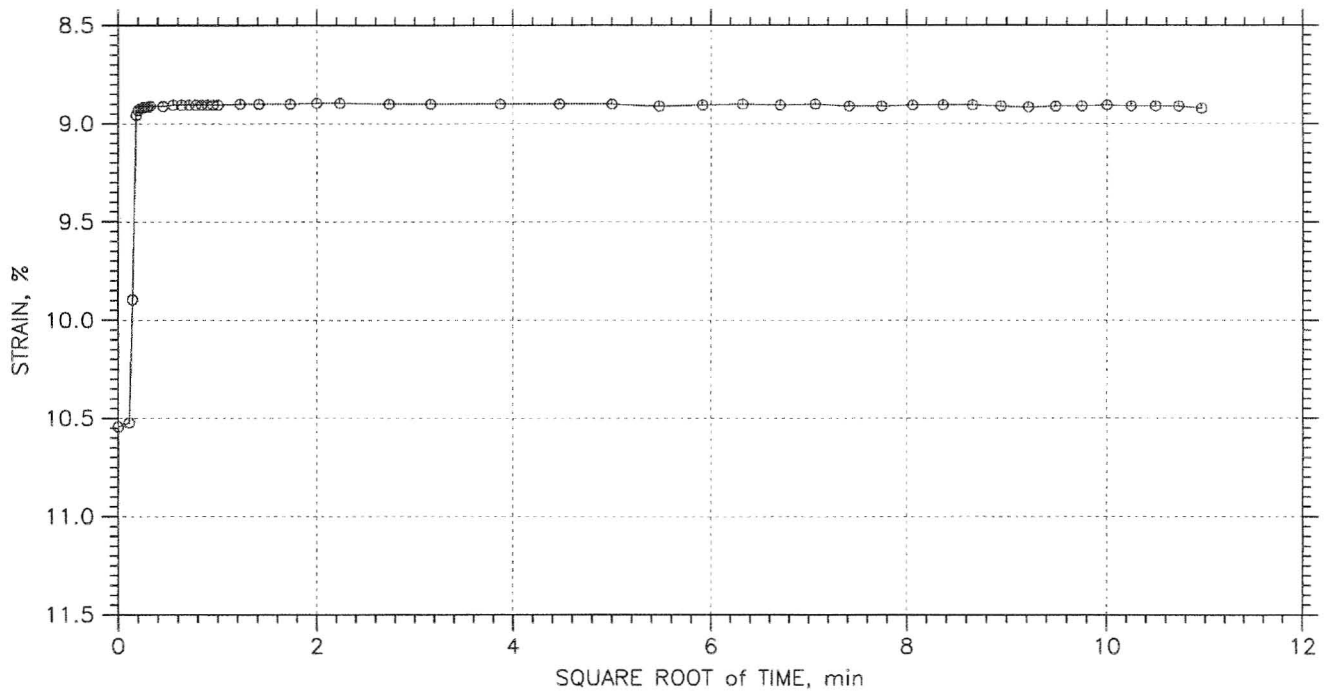
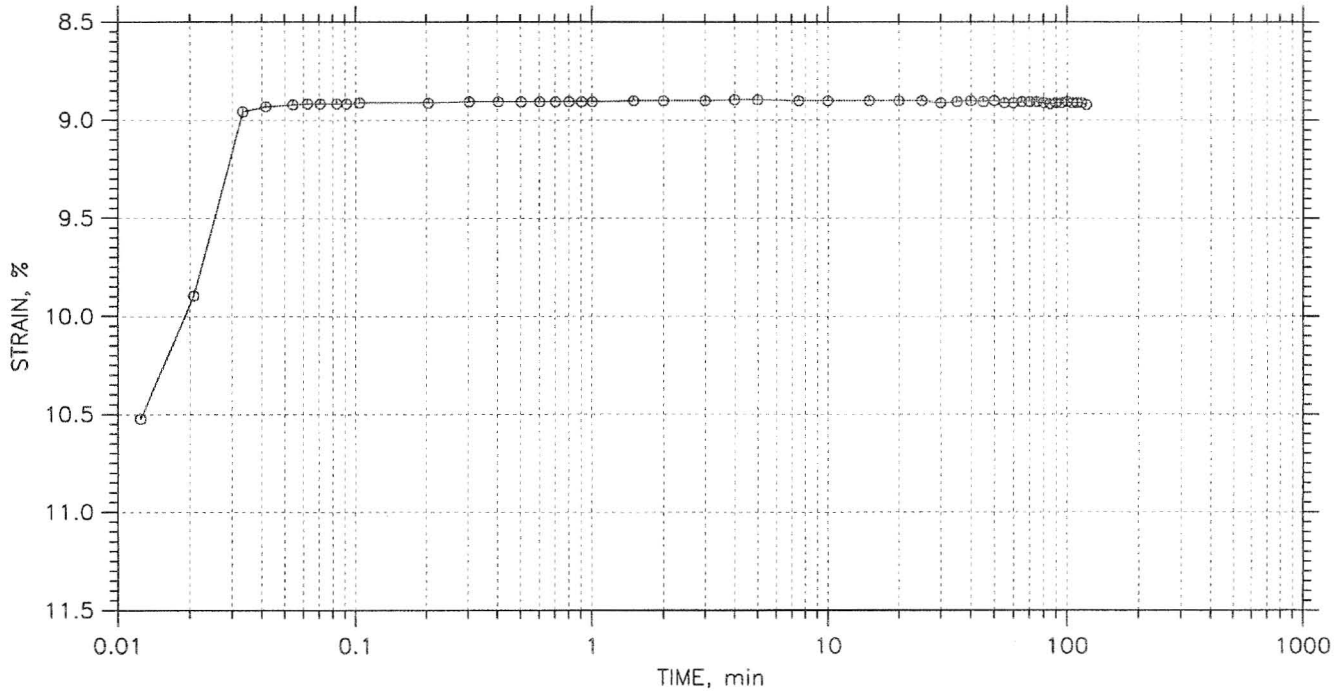
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 16 of 18

Stress: 16000 psf



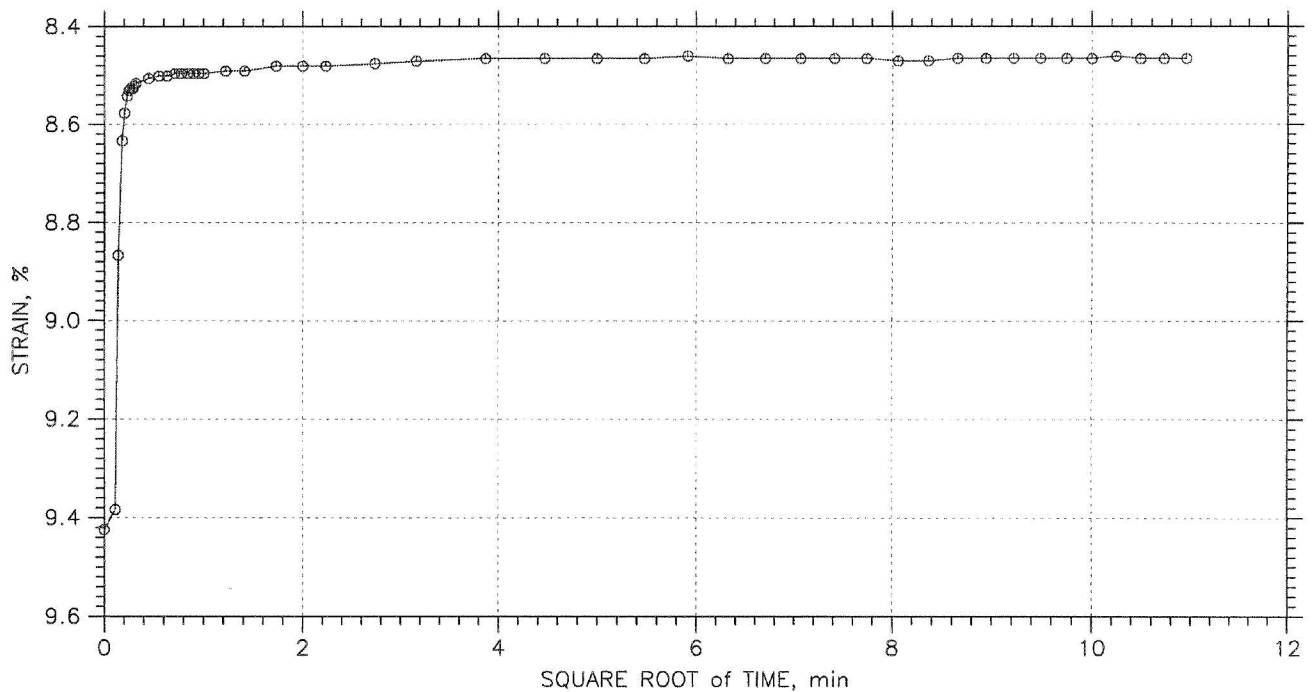
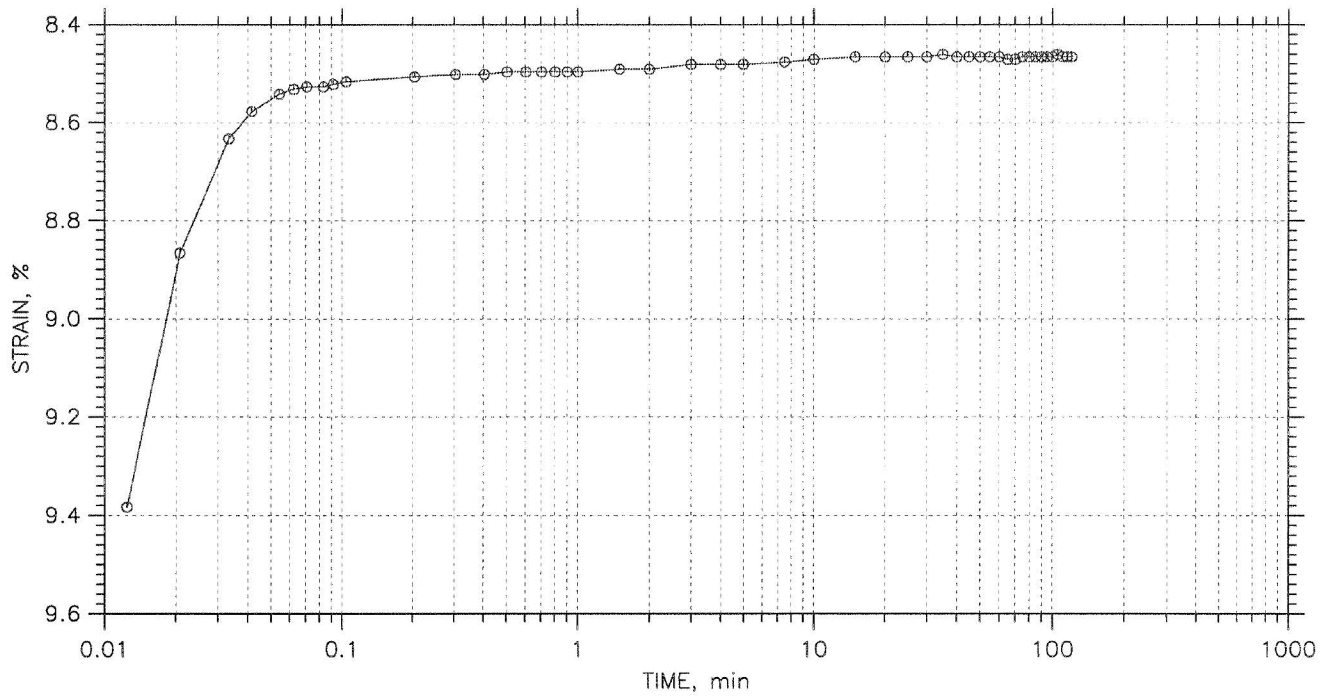
MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

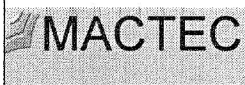
CONSOLIDATION TEST DATA

TIME CURVES

Constant Load Step: 17 of 18

Stress: 4000. psf



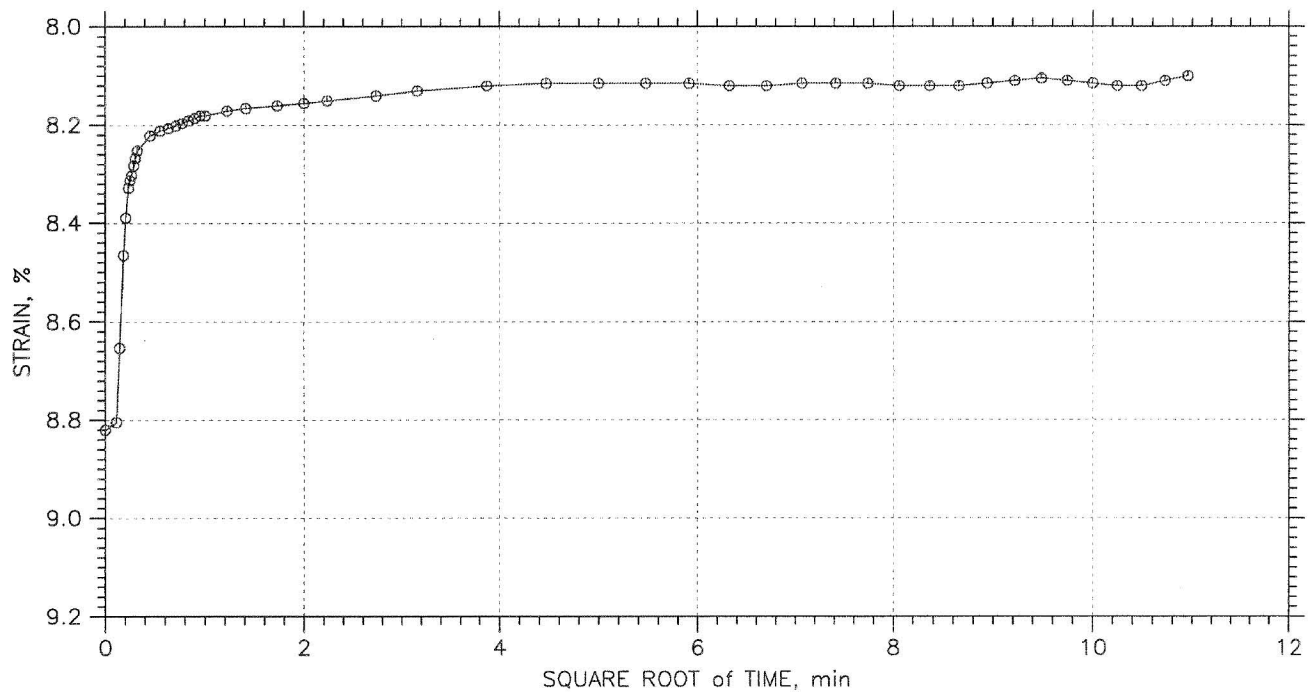
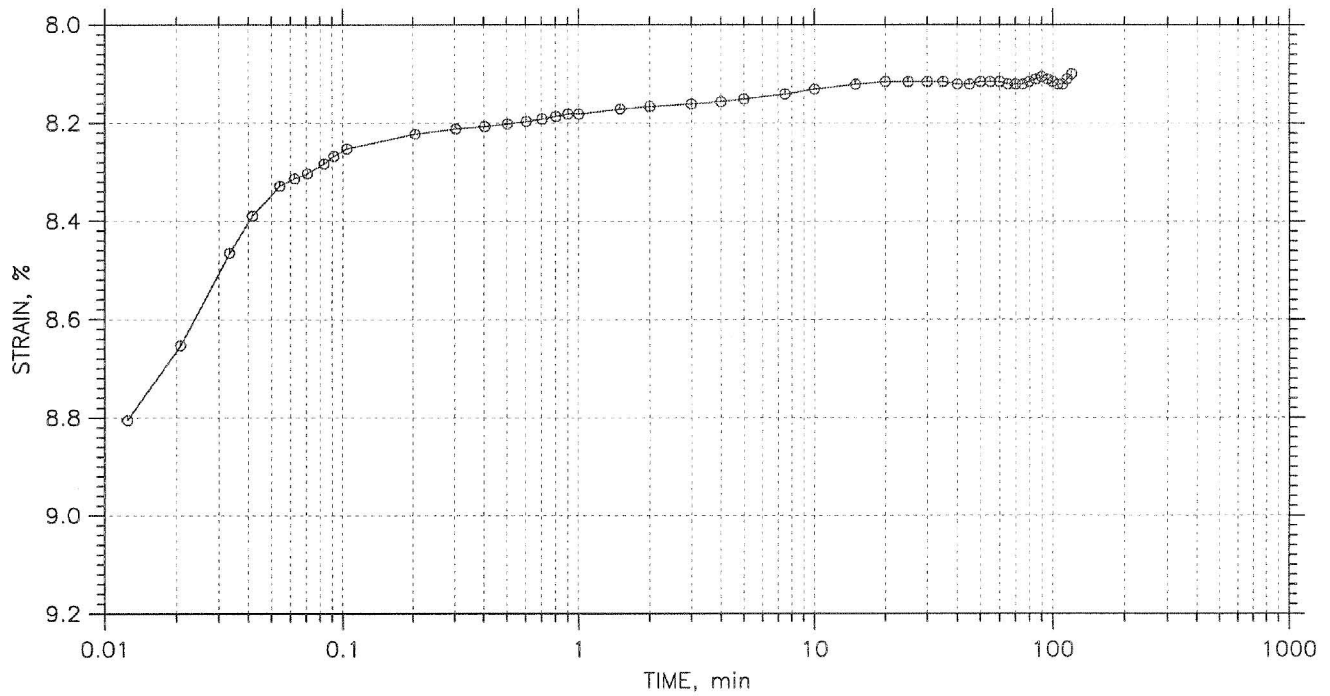
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

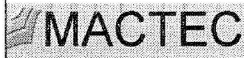
CONSOLIDATION TEST DATA

TIME CURVES

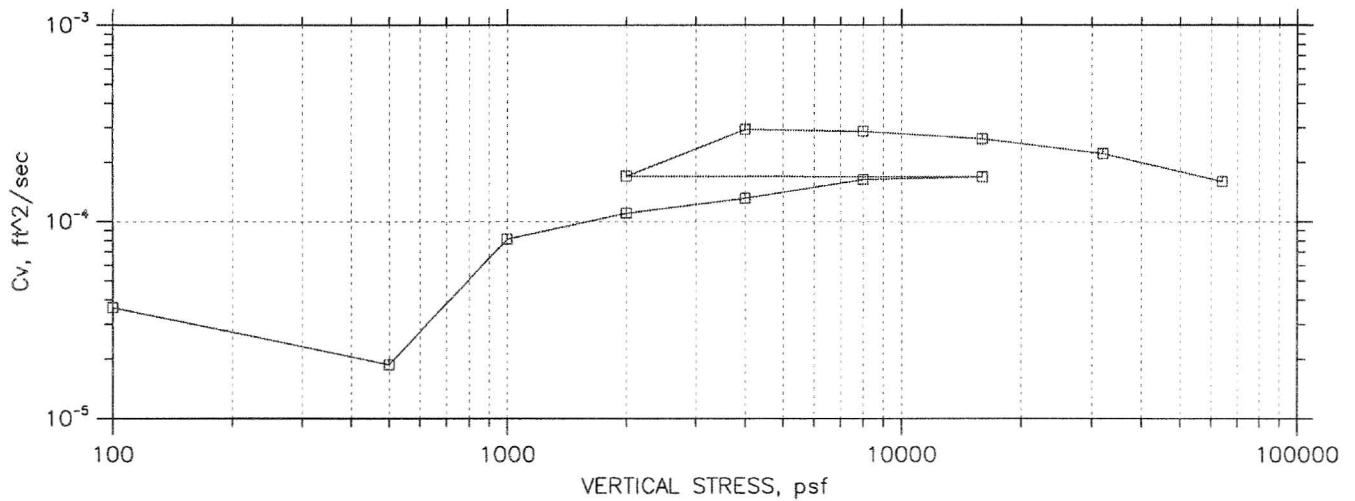
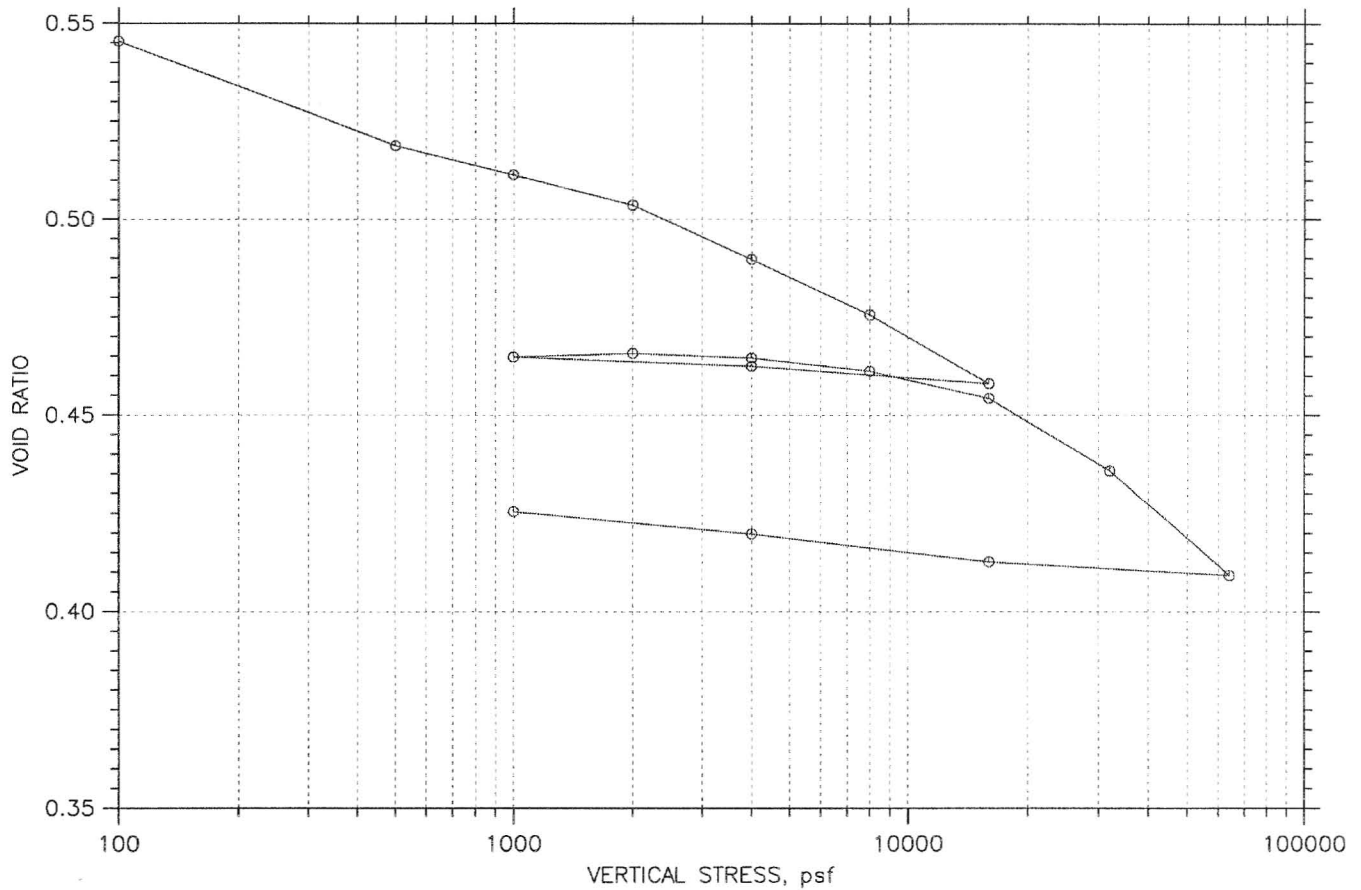
Constant Load Step: 18 of 18

Stress: 1000. psf



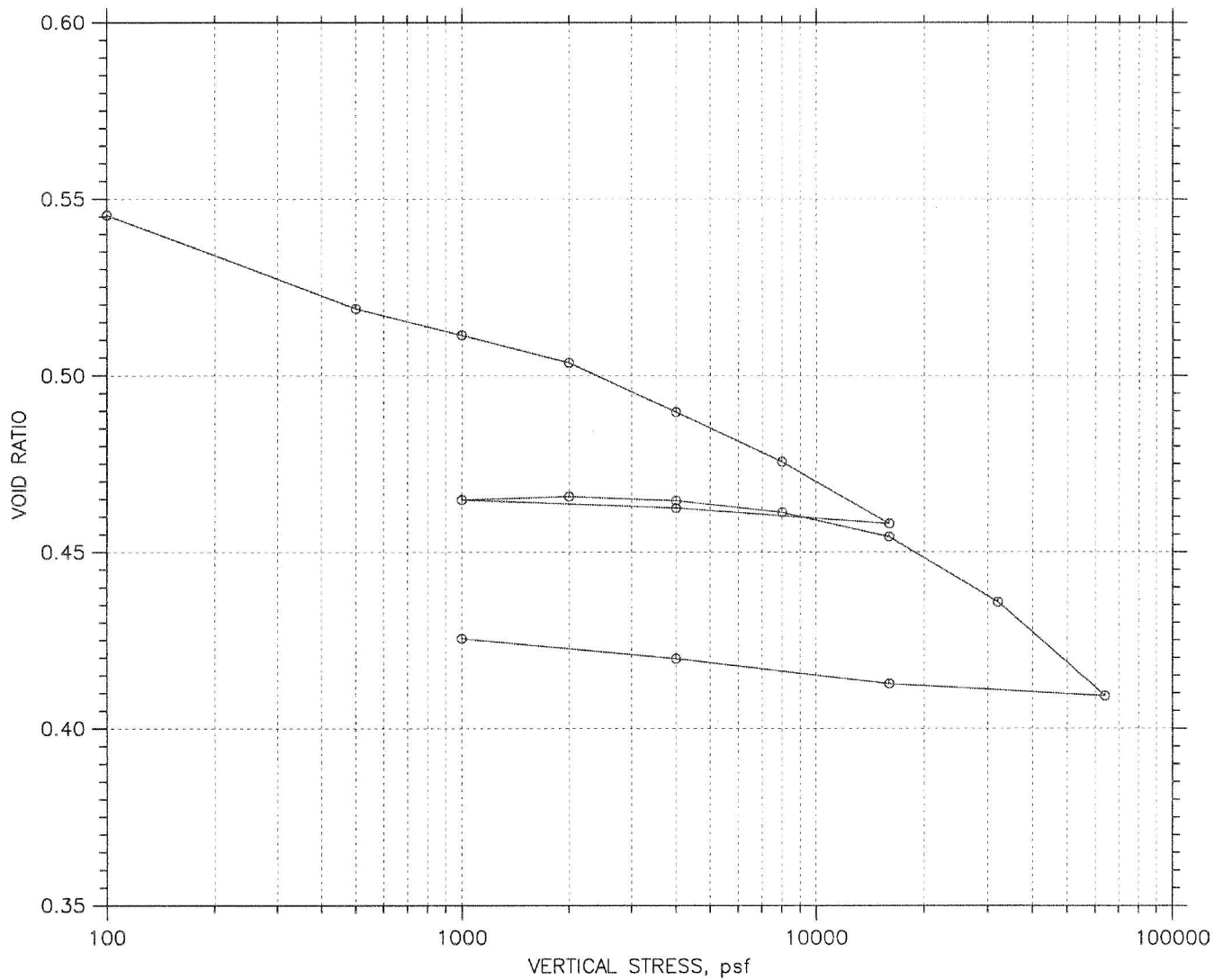
	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-10	Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556	Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)		
	Remarks:		

CONSOLIDATION TEST DATA SUMMARY REPORT



				Before Test	After Test	
Overburden Pressure: 0 psf				Water Content, %	16.47	16.10
Preconsolidation Pressure: 0 psf				Dry Unit Weight, pcf	106.7	116.1
Compression Index: 0				Saturation, %	79.22	100.30
Diameter: 2.5 in		Height: 0.9996 in		Void Ratio	0.55	0.43
LL: ---	PL: ---	PI: ---	GS: 2.65			

	Project: Vogtle COL		Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001		Tested By: BM	Checked By: HJ
	Sample No.: UD-10		Test Date: 5/31/07	Depth: 248.50'
	Test No.: 7556		Sample Type: Undisturbed	Elevation: -29.62'
	Description: SAND (SP) (Visual)			
	Remarks:			

CONSOLIDATION TEST DATA

Project: Vogtle COL
Boring No.: B-4001
Sample No.: UD-10
Test No.: 7556

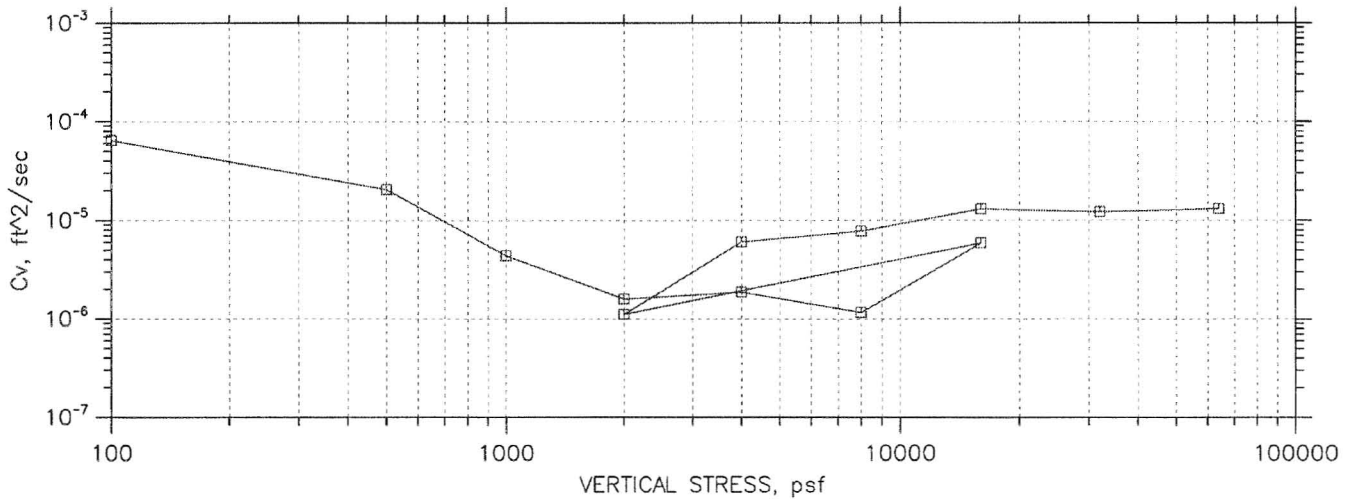
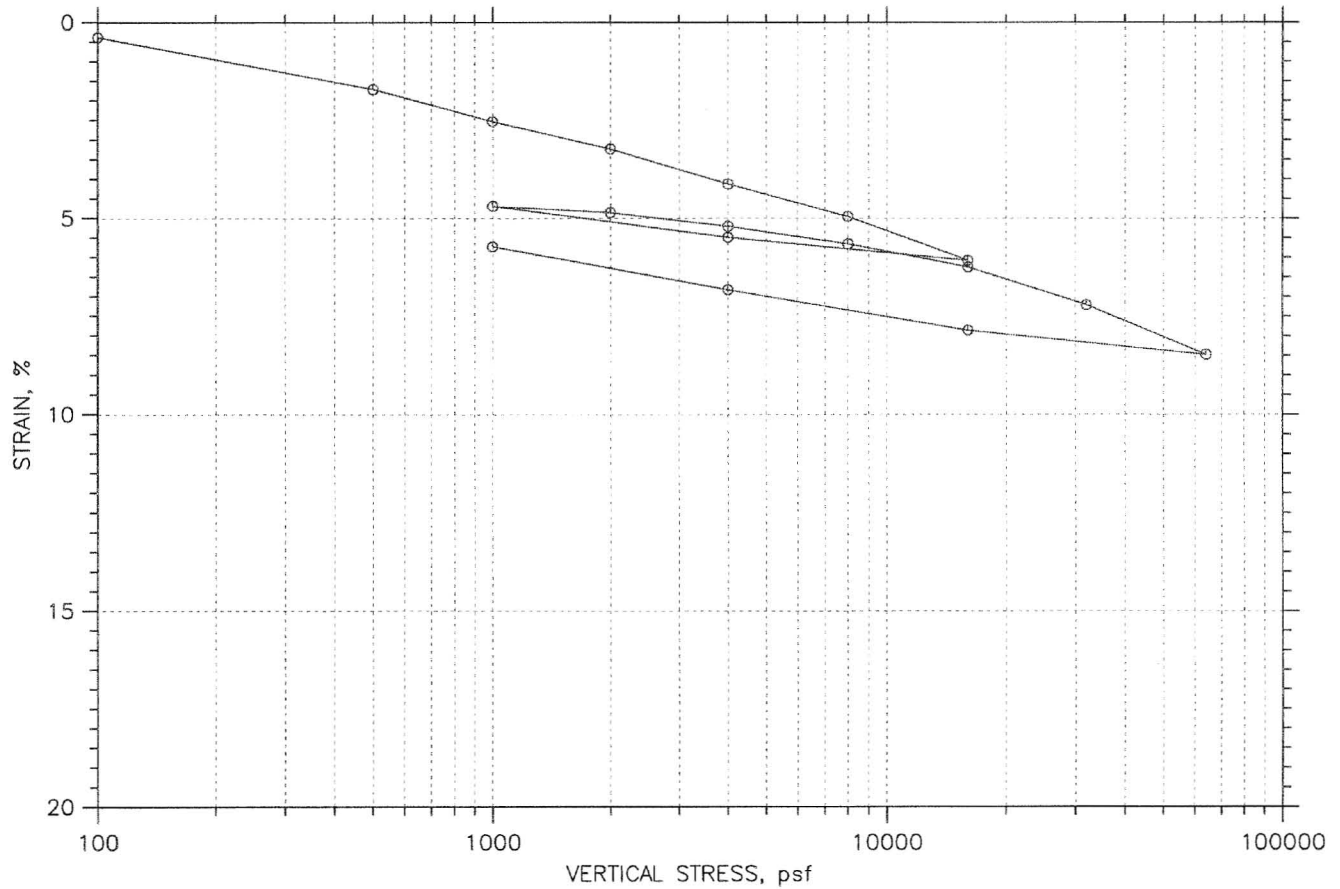
Location: B-4001
Tested By: BM
Test Date: 5/31/07
Sample Type: Undisturbed

Project No.: 6141060286
Checked By: HJ
Depth: 248.50'
Elevation: -29.62'

Soil Description: SAND (SP) (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	0.003574	0.545	0.36	0.2	0.1	3.05e-005	4.56e-005	3.66e-005
2	500	0.02071	0.519	2.07	0.3	0.0	1.87e-005	0.00e+000	1.87e-005
3	1e+003	0.02553	0.511	2.55	0.1	0.1	8.07e-005	8.19e-005	8.13e-005
4	2e+003	0.03055	0.504	3.06	0.1	0.0	9.24e-005	1.37e-004	1.10e-004
5	4e+003	0.03951	0.490	3.95	0.0	0.0	1.31e-004	0.00e+000	1.31e-004
6	8e+003	0.04865	0.476	4.87	0.0	0.0	1.64e-004	0.00e+000	1.64e-004
7	1.6e+004	0.05994	0.458	6.00	0.0	0.0	1.69e-004	0.00e+000	1.69e-004
8	4e+003	0.05711	0.462	5.71	0.0	0.0	2.59e-004	0.00e+000	2.59e-004
9	1e+003	0.05558	0.465	5.56	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
10	2e+003	0.05497	0.466	5.50	0.0	0.0	1.70e-004	0.00e+000	1.70e-004
11	4e+003	0.05574	0.465	5.58	0.0	0.0	2.95e-004	0.00e+000	2.95e-004
12	8e+003	0.05787	0.461	5.79	0.0	0.0	2.87e-004	0.00e+000	2.87e-004
13	1.6e+004	0.06232	0.454	6.23	0.0	0.0	2.64e-004	0.00e+000	2.64e-004
14	3.2e+004	0.07428	0.436	7.43	0.0	0.0	2.22e-004	0.00e+000	2.22e-004
15	6.4e+004	0.0914	0.409	9.14	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
16	1.6e+004	0.08918	0.413	8.92	0.0	0.0	1.60e-004	0.00e+000	1.60e-004
17	4e+003	0.08463	0.420	8.47	0.0	0.0	2.42e-004	0.00e+000	2.42e-004
18	1e+003	0.08097	0.425	8.10	0.0	0.0	9.78e-005	0.00e+000	9.78e-005

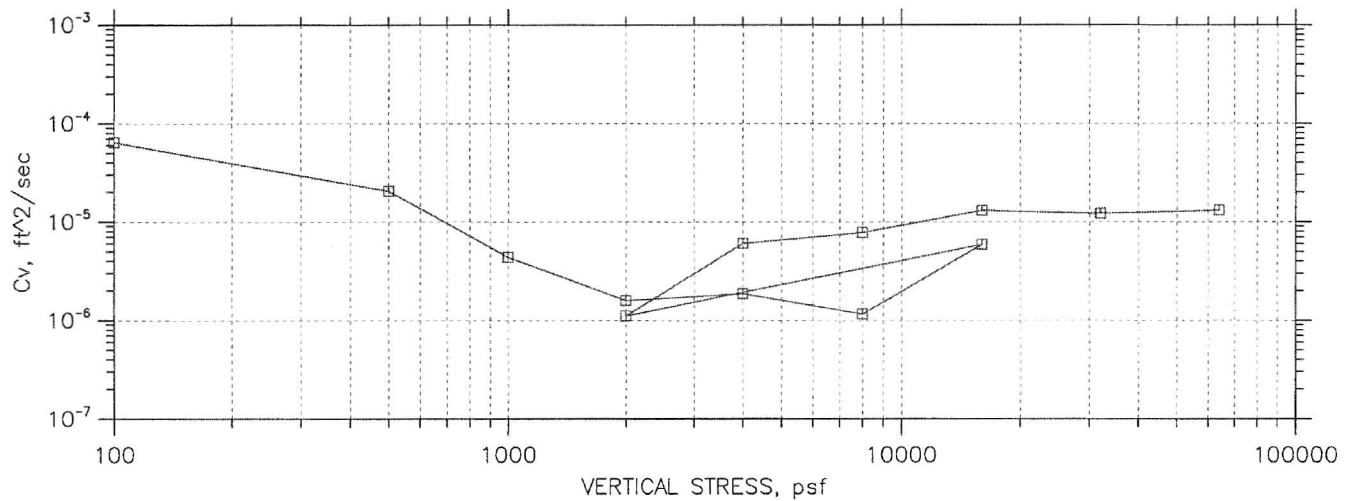
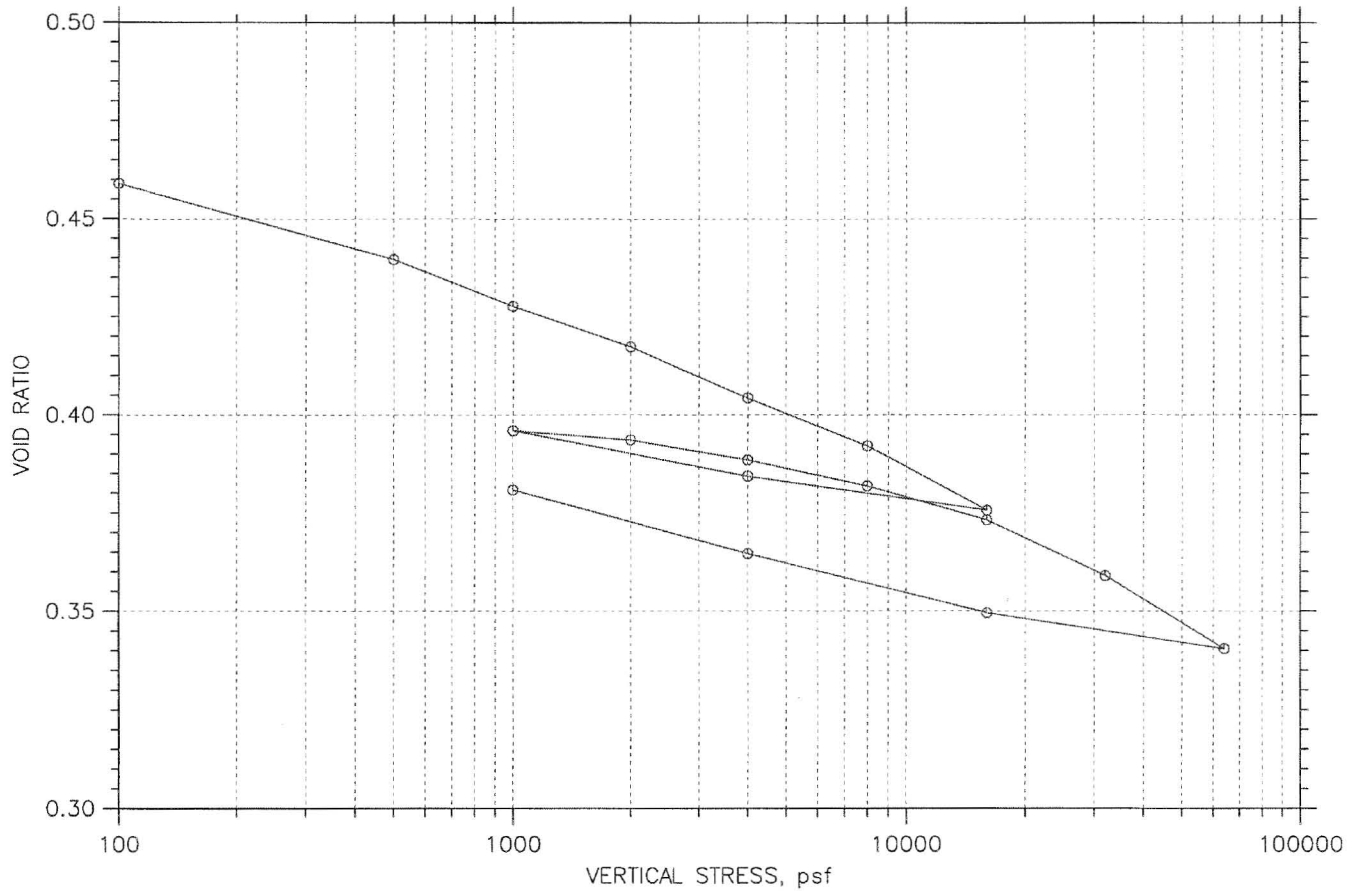
CONSOLIDATION TEST DATA SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-13	Test Date: 5/31/07	Depth: 308.50'
	Test No.: 7558	Sample Type: Undisturbed	Elevation: -89.62
	Description: CLAY (CL)		
	Remarks:		

CONSOLIDATION TEST DATA

SUMMARY REPORT



MACTEC	Project: Vogtle COL	Location: B-4001	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-13	Test Date: 5/31/07	Depth: 308.50'
	Test No.: 7558	Sample Type: Undisturbed	Elevation: -89.62
	Description: CLAY (CL)		
	Remarks: Cr= 0.017		