

CONSOLIDATION TEST DATA

Project: Vogtle COL  
 Boring No.: B-3001  
 Sample No.: UD-3  
 Test No.: 7494

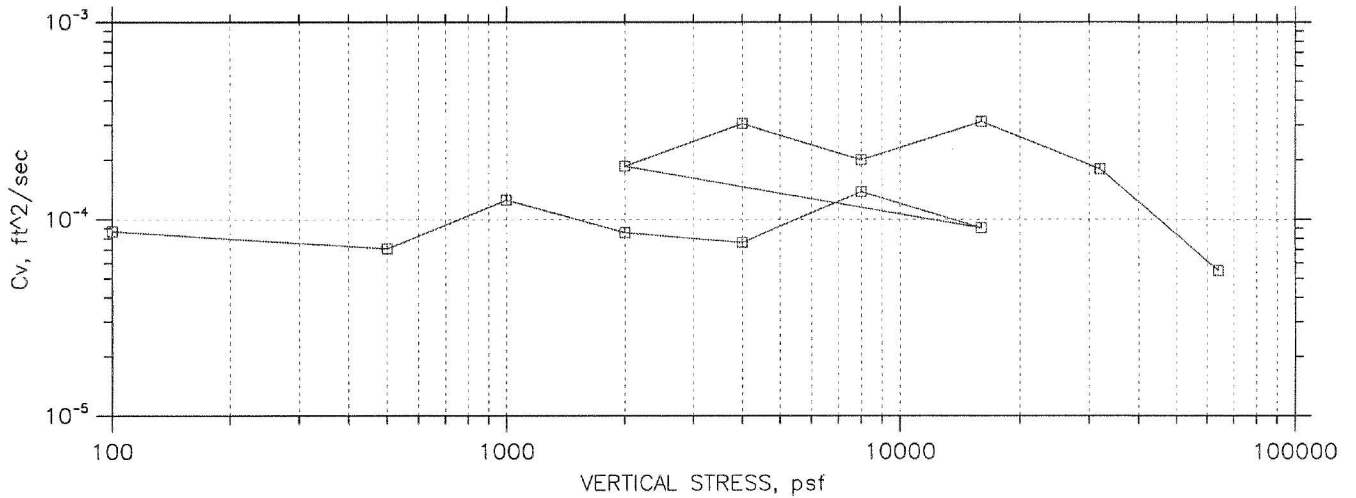
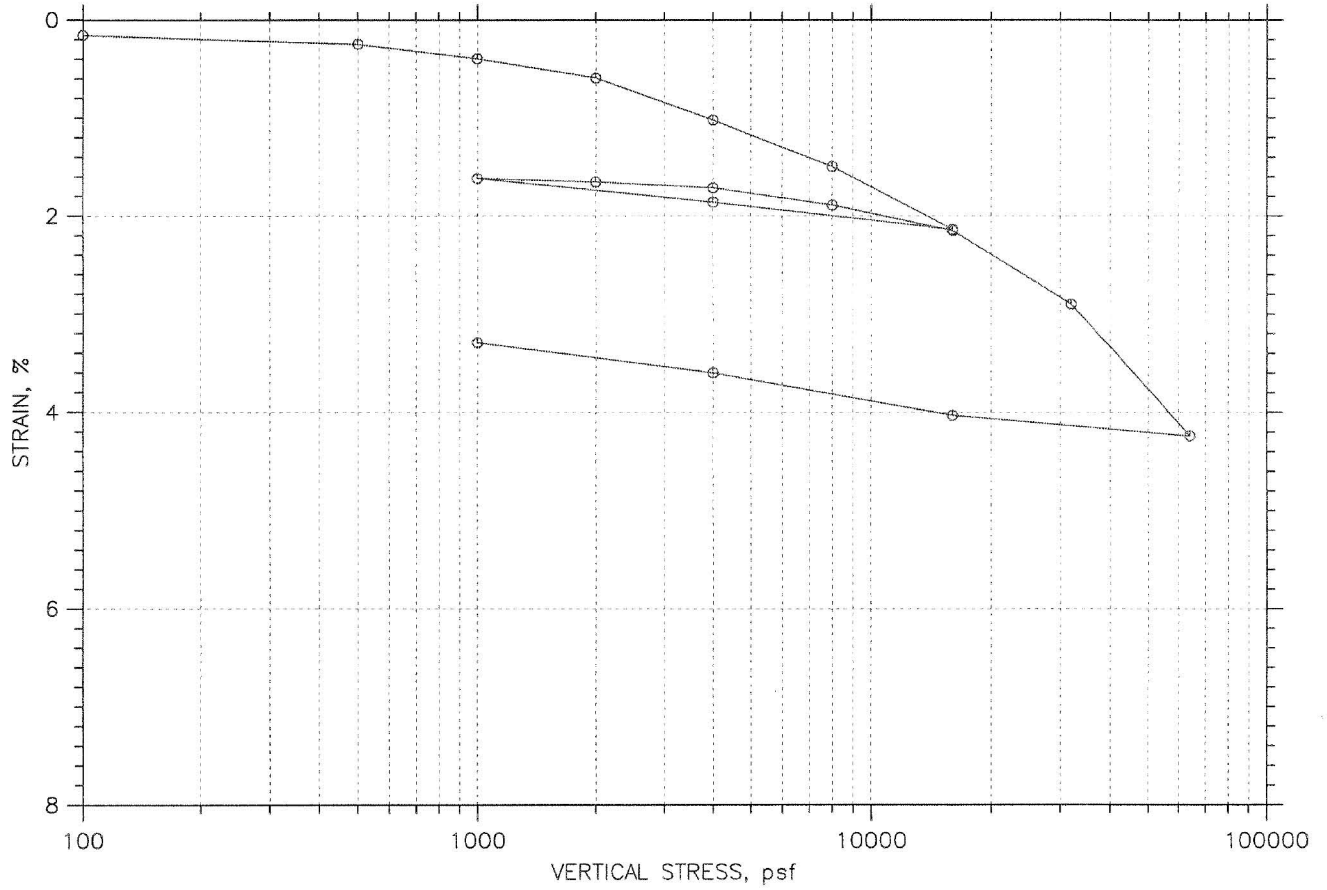
Location: B-3001  
 Tested By: HJ  
 Test Date: 6/12/07  
 Sample Type: Undisturbed

Project No.: 6141060286  
 Checked By: JW  
 Depth: 108.50'  
 Elevation: 109.90'

Soil Description: CLAY, with gravel (CL) (Visual)  
 Remarks:

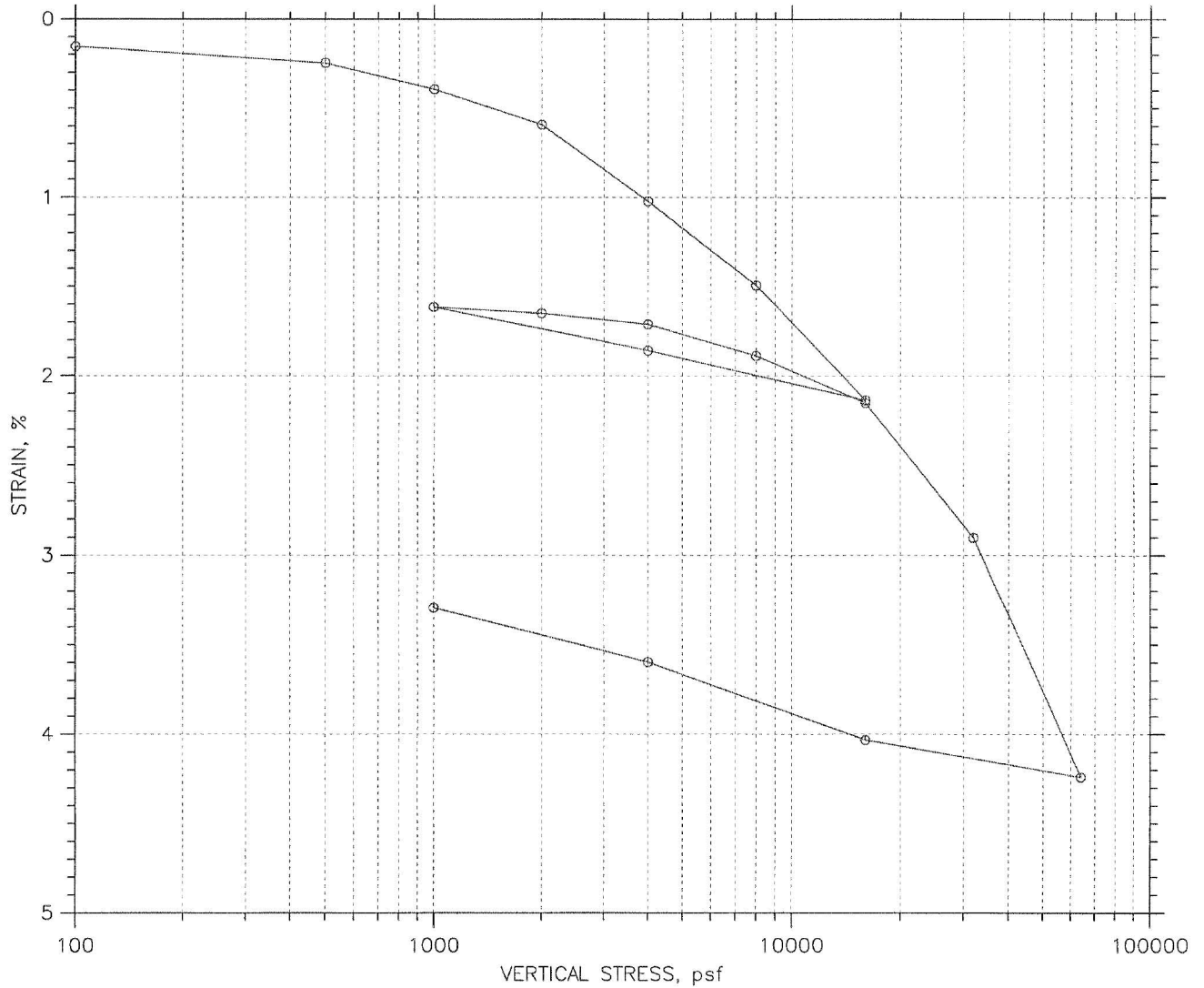
	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting		Coefficient of Consolidation		
					Sq.Rt. min	Log min	Sq.Rt. ft <sup>2</sup> /day	Log ft <sup>2</sup> /day	Ave. ft <sup>2</sup> /day
1	100	0.0005151	0.775	0.05	0.1	0.0	4.77e+000	0.00e+000	4.77e+000
2	500	0.004619	0.768	0.46	0.1	0.0	6.54e+000	0.00e+000	6.54e+000
3	1e+003	0.006751	0.764	0.68	0.1	0.0	6.97e+000	0.00e+000	6.97e+000
4	2e+003	0.009229	0.759	0.92	0.1	0.0	8.79e+000	0.00e+000	8.79e+000
5	4e+003	0.01336	0.752	1.34	0.0	0.0	1.05e+001	1.31e+001	1.16e+001
6	8e+003	0.02086	0.739	2.09	0.3	0.0	1.87e+000	0.00e+000	1.87e+000
7	2e+003	0.01657	0.746	1.66	0.0	0.0	1.70e+001	0.00e+000	1.70e+001
8	1e+003	0.01489	0.749	1.49	0.1	0.0	4.11e+000	1.28e+001	6.23e+000
9	2e+003	0.01428	0.750	1.43	0.0	0.0	1.83e+001	0.00e+000	1.83e+001
10	4e+003	0.01658	0.746	1.66	0.0	0.0	1.74e+001	0.00e+000	1.74e+001
11	8e+003	0.02053	0.739	2.05	0.1	0.0	7.54e+000	1.64e+001	1.03e+001
12	1.6e+004	0.02886	0.724	2.89	0.1	0.0	7.92e+000	1.64e+001	1.07e+001
13	3.2e+004	0.04206	0.701	4.21	0.1	0.0	7.47e+000	1.75e+001	1.05e+001
14	6.4e+004	0.062	0.666	6.20	0.1	0.0	6.82e+000	1.63e+001	9.61e+000
15	1.6e+004	0.04905	0.689	4.90	0.0	0.0	1.64e+001	0.00e+000	1.64e+001
16	4e+003	0.03807	0.708	3.81	0.1	0.0	8.49e+000	1.49e+001	1.08e+001
17	1e+003	0.02898	0.724	2.90	0.4	0.1	1.05e+000	3.52e+000	1.62e+000

## CONSOLIDATION TEST DATA SUMMARY REPORT



<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA SUMMARY REPORT

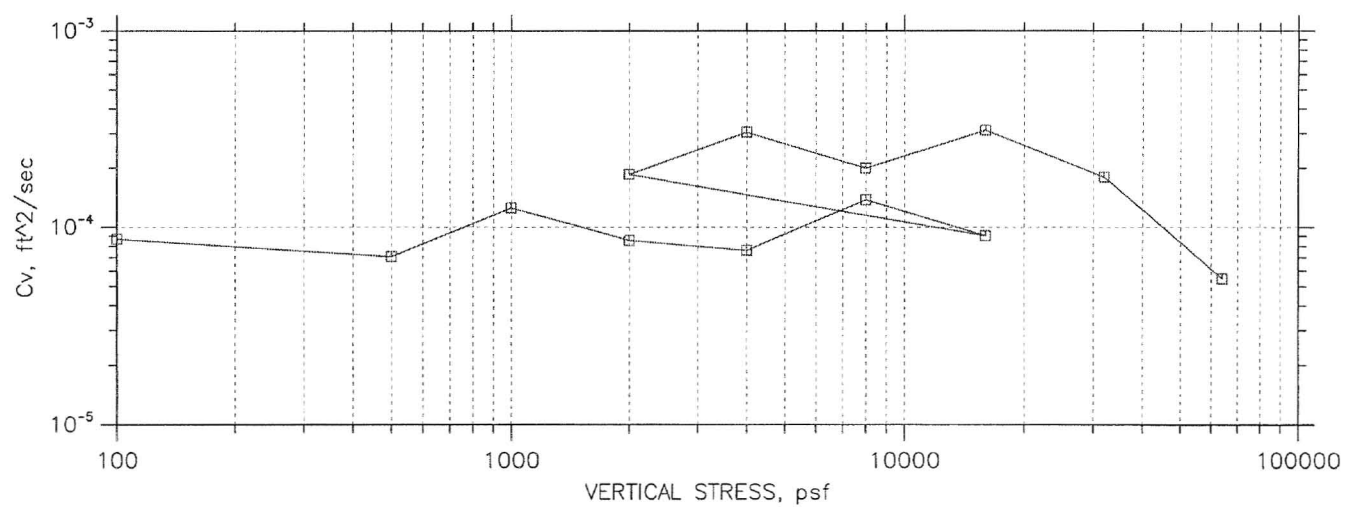
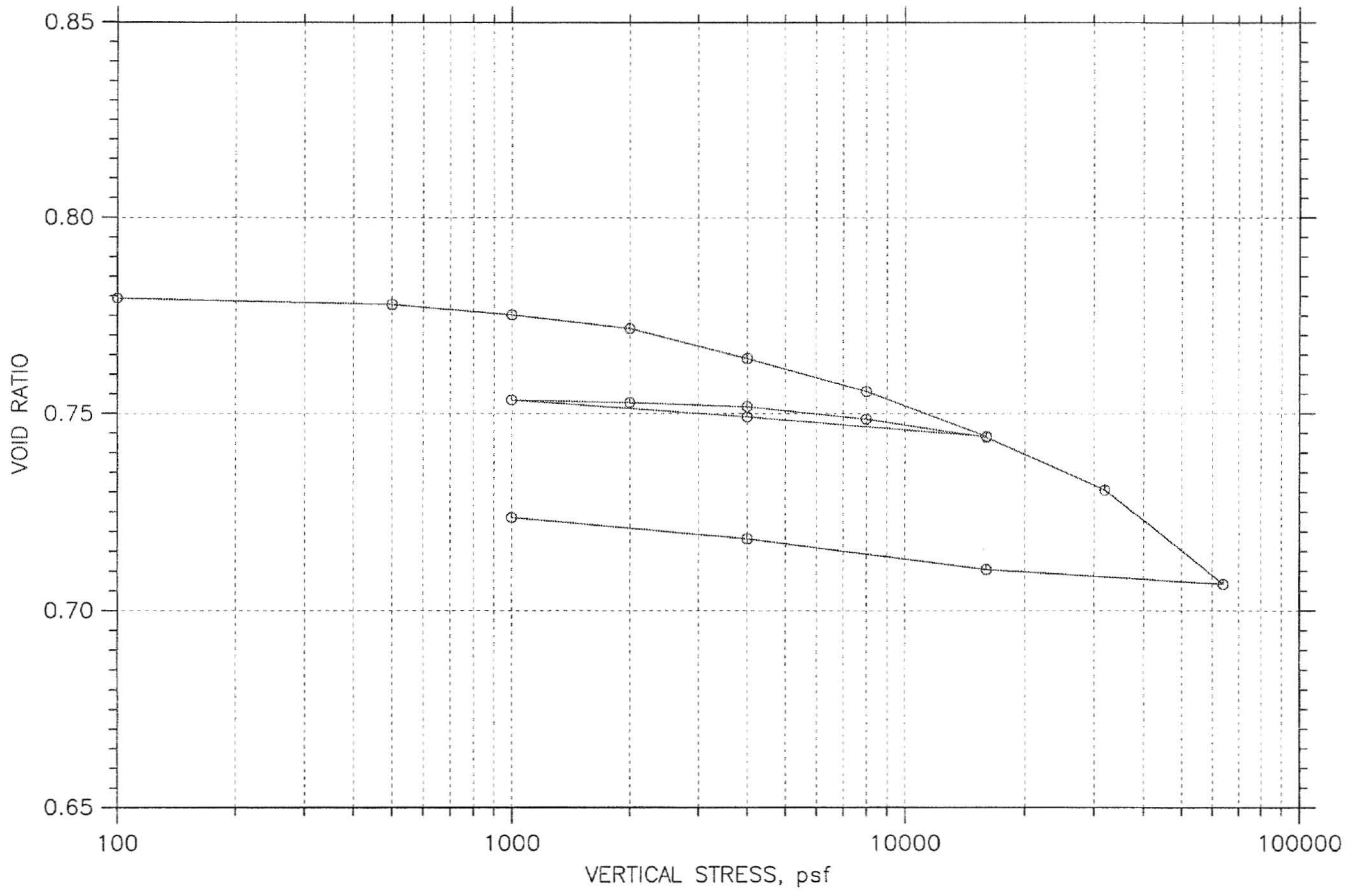


		Before Test	After Test
Overburden Pressure: 1.23e+004 psf		29.73	29.34
Preconsolidation Pressure: 0 psf		91.56	94.68
Compression Index: 0.061		99.36	106.01
Diameter: 2.5 in	Height: 1 in	0.78	0.72
LL: 47	PL: 23	PI: 24	GS: 2.61

<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: SHELL HASH, silty with sand (GM)		
	Remarks: Cr= 0.008		

# CONSOLIDATION TEST DATA

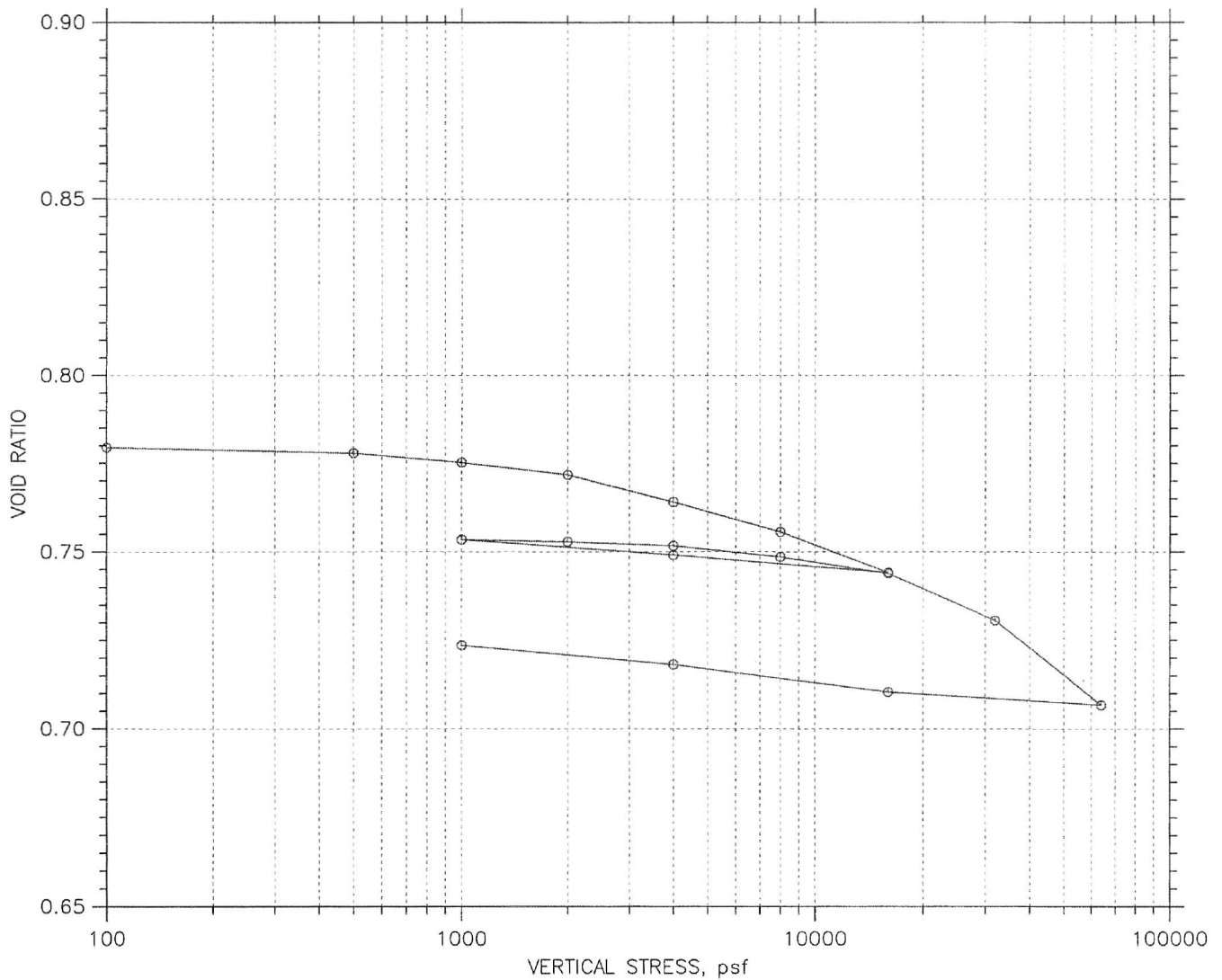
## SUMMARY REPORT



<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ <i>AD 10/30/07</i>
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: SHELL HASH, silty with sand (GM)		
	Remarks: Cr= 0.008		

# CONSOLIDATION TEST DATA

## SUMMARY REPORT



		Before Test	After Test
Overburden Pressure: 1.23e+004 psf		29.73	29.34
Preconsolidation Pressure: 0 psf		91.56	94.68
Compression Index: 0.061		99.36	106.01
Diameter: 2.5 in	Height: 1 in	0.78	0.72
LL: 47	PL: 23		
PI: 24	GS: 2.61		

<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ <i>HJ 10/30/07</i>
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: SHELL HASH, silty with sand (GM)		
	Remarks: Cr= 0.008		

CONSOLIDATION TEST DATA

Project: Vogtle COL  
 Boring No.: B-3001  
 Sample No.: UD-5  
 Test No.: 7496

Location: B-3001  
 Tested By: BM  
 Test Date: 5/18/07  
 Sample Type: Undisturbed

Project No.: 6141060286  
 Checked By: HJ  
 Depth: 133.50'  
 Elevation: 84.90'

Soil Description: SHELL HASH, silty with sand (GM)  
 Remarks: Cr= 0.008

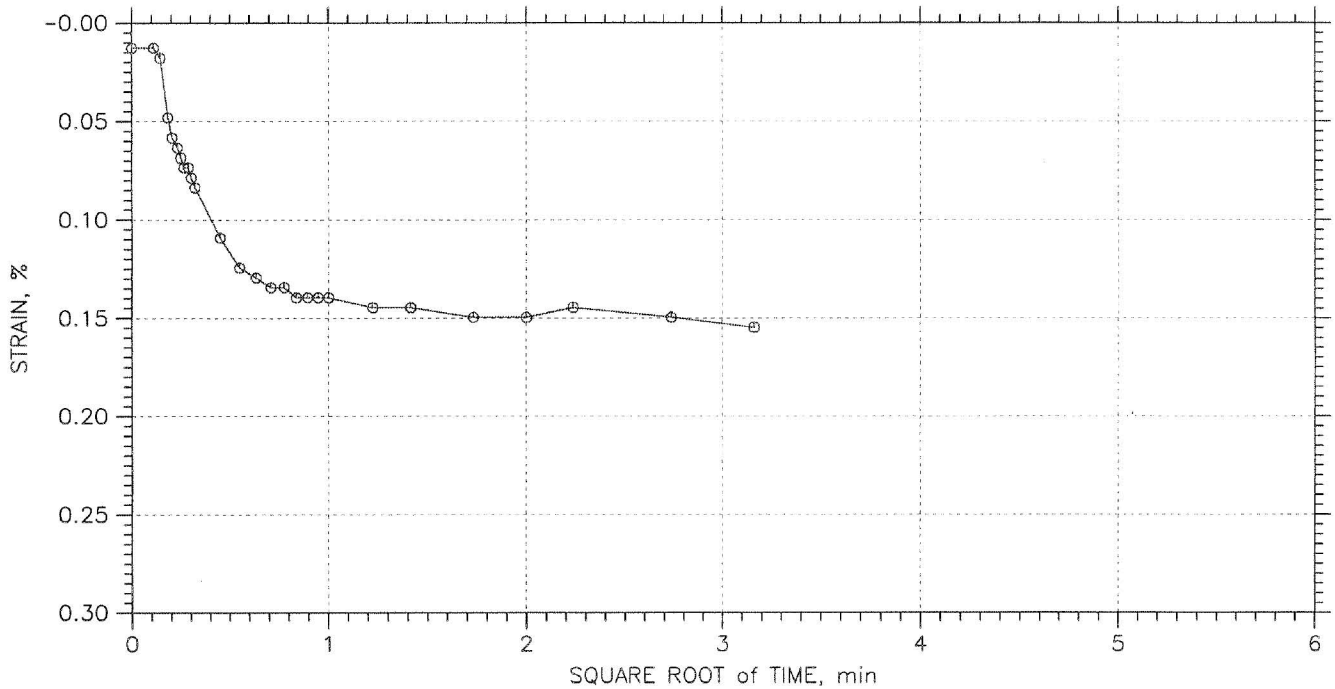
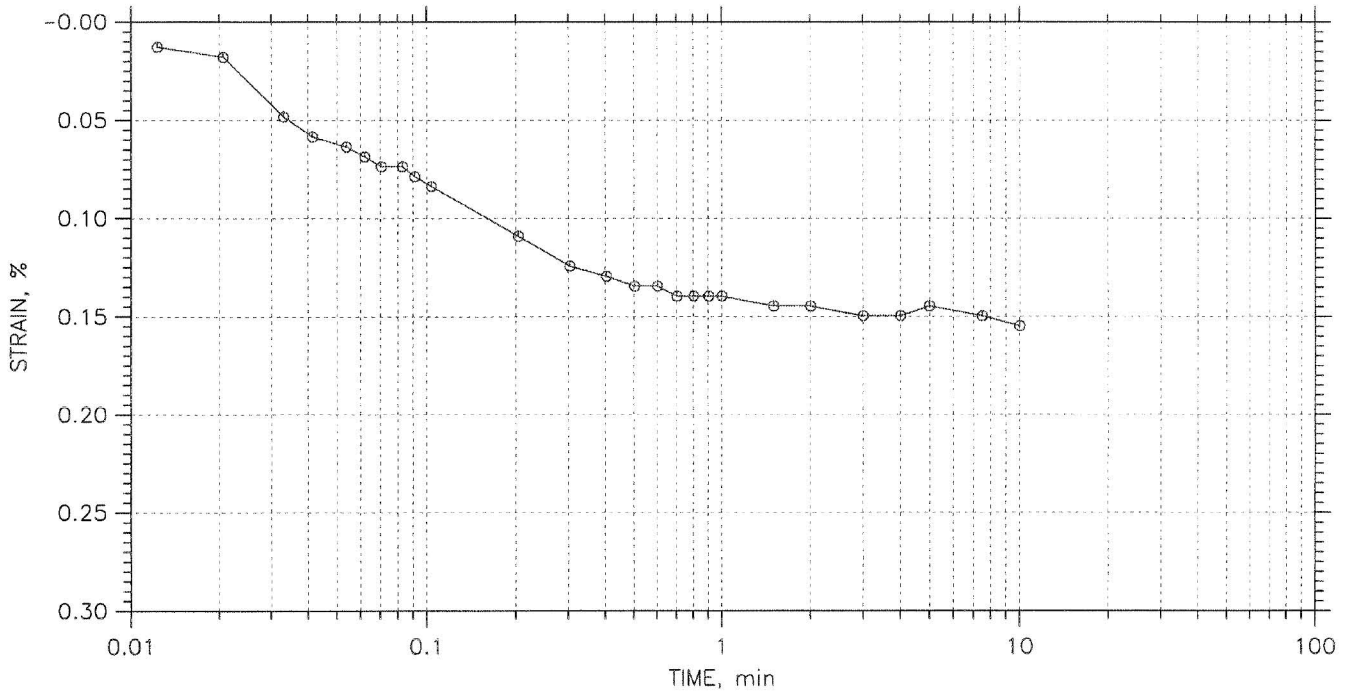
	Applied Stress psf	Final Displacement in	Void Ratio	Strain at End %	T50 Fitting		Coefficient of Consolidation		
					Sq.Rt. min	Log min	Sq.Rt. ft^2/sec	Log ft^2/sec	Ave. ft^2/sec
1	100	0.001547	0.779	0.15	0.1	0.0	8.69e-005	0.00e+000	8.69e-005
2	500	0.002467	0.778	0.25	0.1	0.0	7.08e-005	0.00e+000	7.08e-005
3	1e+003	0.003944	0.775	0.39	0.0	0.0	1.14e-004	1.39e-004	1.25e-004
4	2e+003	0.005926	0.772	0.59	0.1	0.1	6.90e-005	1.13e-004	8.55e-005
5	4e+003	0.01022	0.764	1.02	0.1	0.0	4.56e-005	2.36e-004	7.64e-005
6	8e+003	0.01495	0.756	1.49	0.1	0.0	1.07e-004	1.93e-004	1.38e-004
7	1.6e+004	0.02138	0.744	2.14	0.1	0.0	9.02e-005	0.00e+000	9.02e-005
8	4e+003	0.01859	0.749	1.86	0.0	0.0	3.04e-004	0.00e+000	3.04e-004
9	1e+003	0.01616	0.753	1.62	0.1	0.0	1.03e-004	1.76e-004	1.30e-004
10	2e+003	0.01651	0.753	1.65	0.0	0.0	1.86e-004	0.00e+000	1.86e-004
11	4e+003	0.01712	0.752	1.71	0.0	0.0	3.05e-004	0.00e+000	3.05e-004
12	8e+003	0.0189	0.749	1.89	0.0	0.0	2.00e-004	0.00e+000	2.00e-004
13	1.6e+004	0.02153	0.744	2.15	0.0	0.0	3.12e-004	0.00e+000	3.12e-004
14	3.2e+004	0.02903	0.731	2.90	0.0	0.0	1.35e-004	2.69e-004	1.80e-004
15	6.4e+004	0.0424	0.707	4.24	0.2	0.0	3.19e-005	1.96e-004	5.48e-005
16	1.6e+004	0.04033	0.710	4.03	0.0	0.0	1.78e-004	0.00e+000	1.78e-004
17	4e+003	0.03598	0.718	3.60	0.0	0.0	2.65e-004	2.32e-004	2.47e-004
18	1e+003	0.03293	0.724	3.29	0.1	0.0	7.67e-005	1.29e-004	9.62e-005

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 1 of 18

Stress: 100. psf



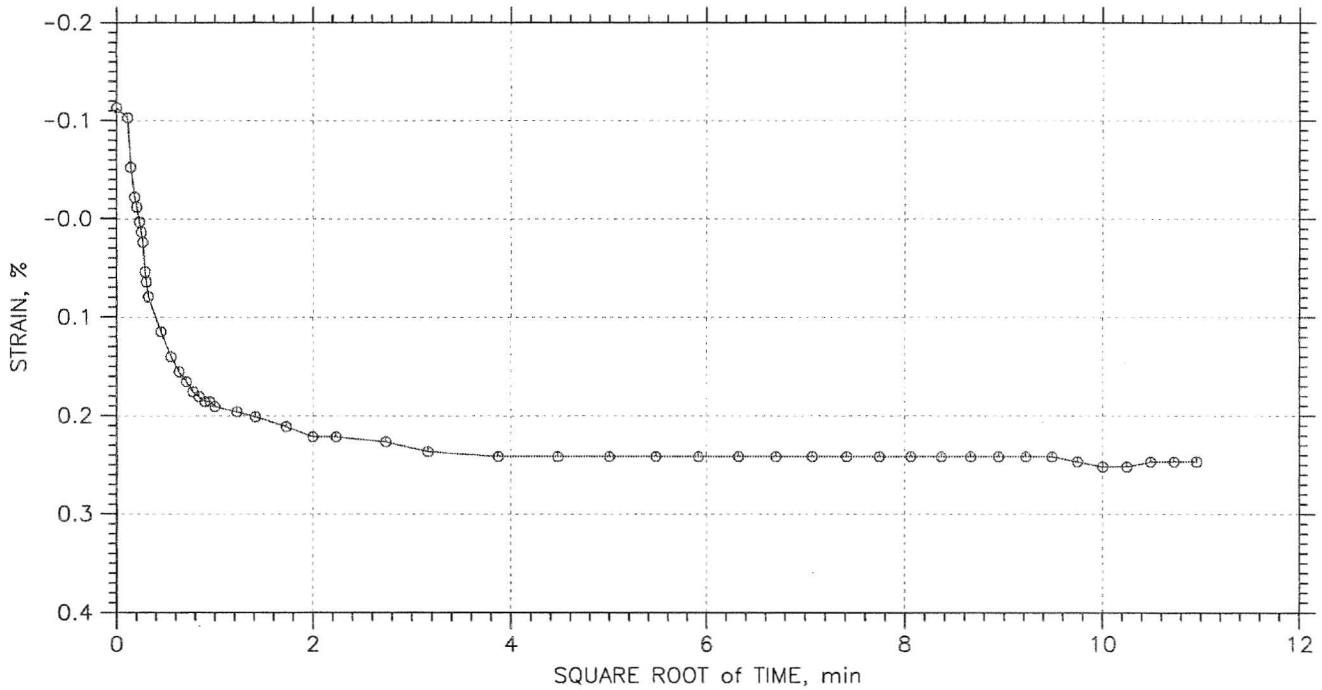
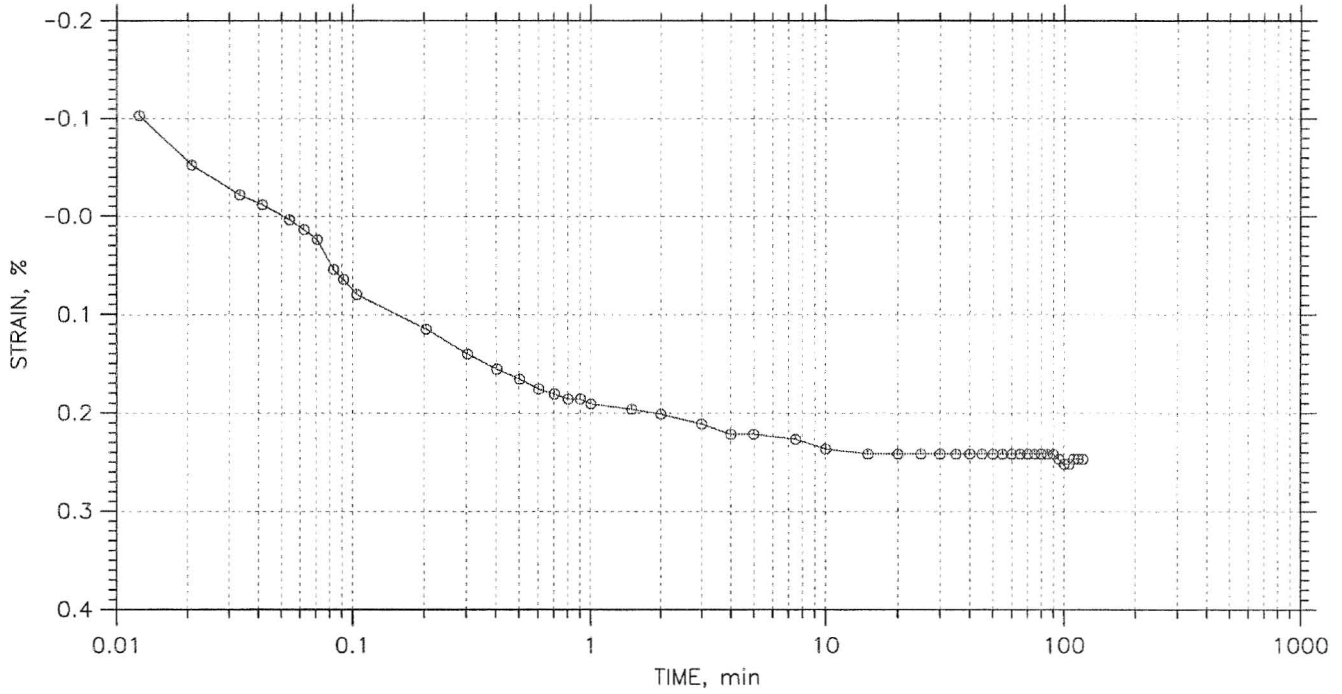
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 2 of 18

Stress: 500. psf



<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

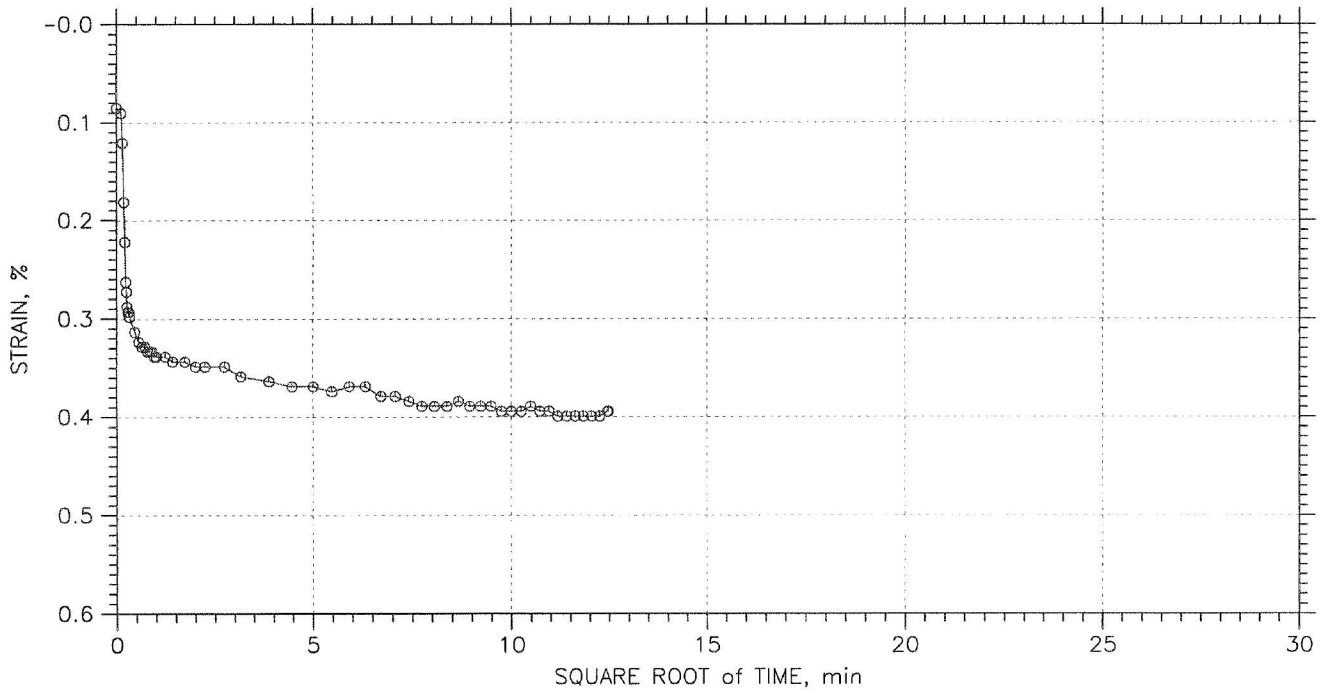
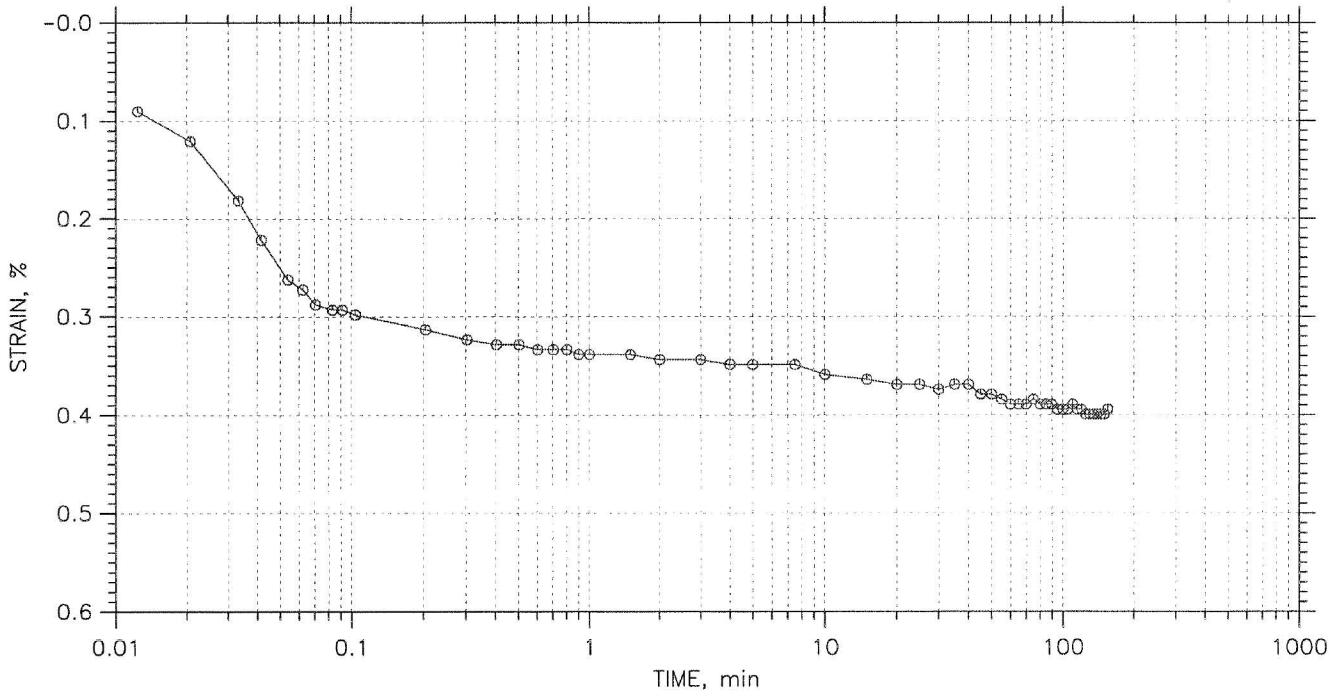


# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 3 of 18

Stress: 1000. psf



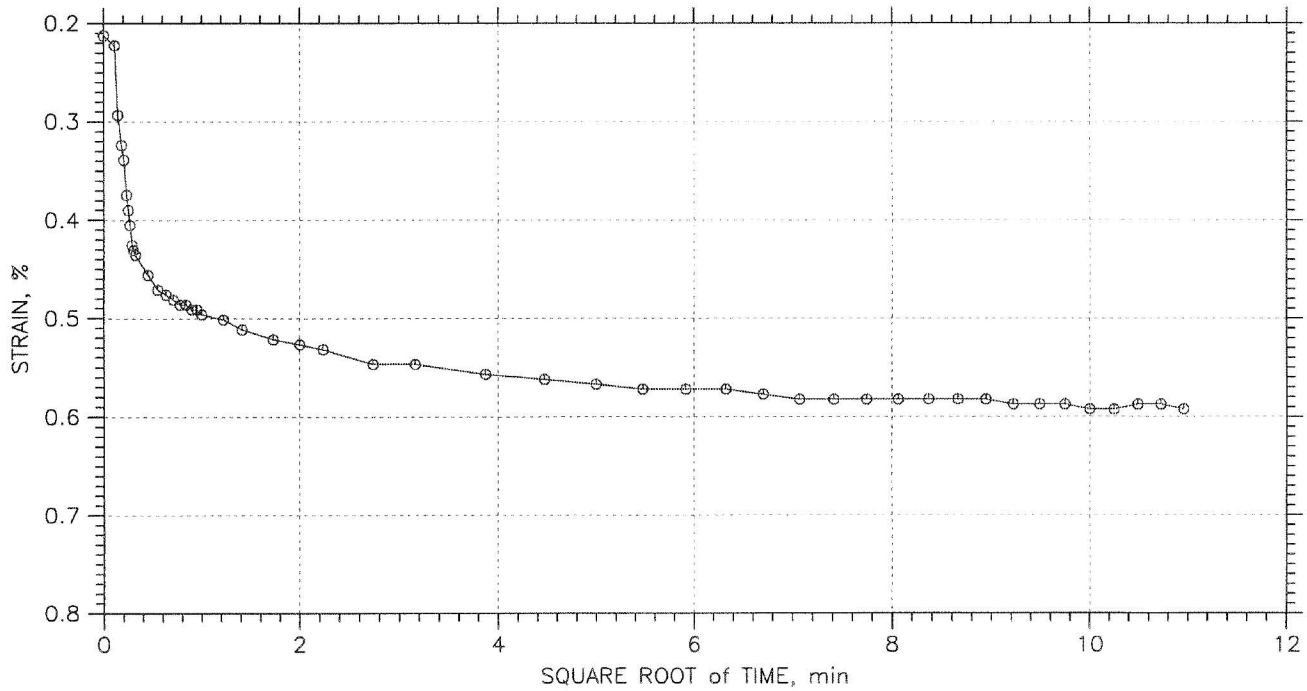
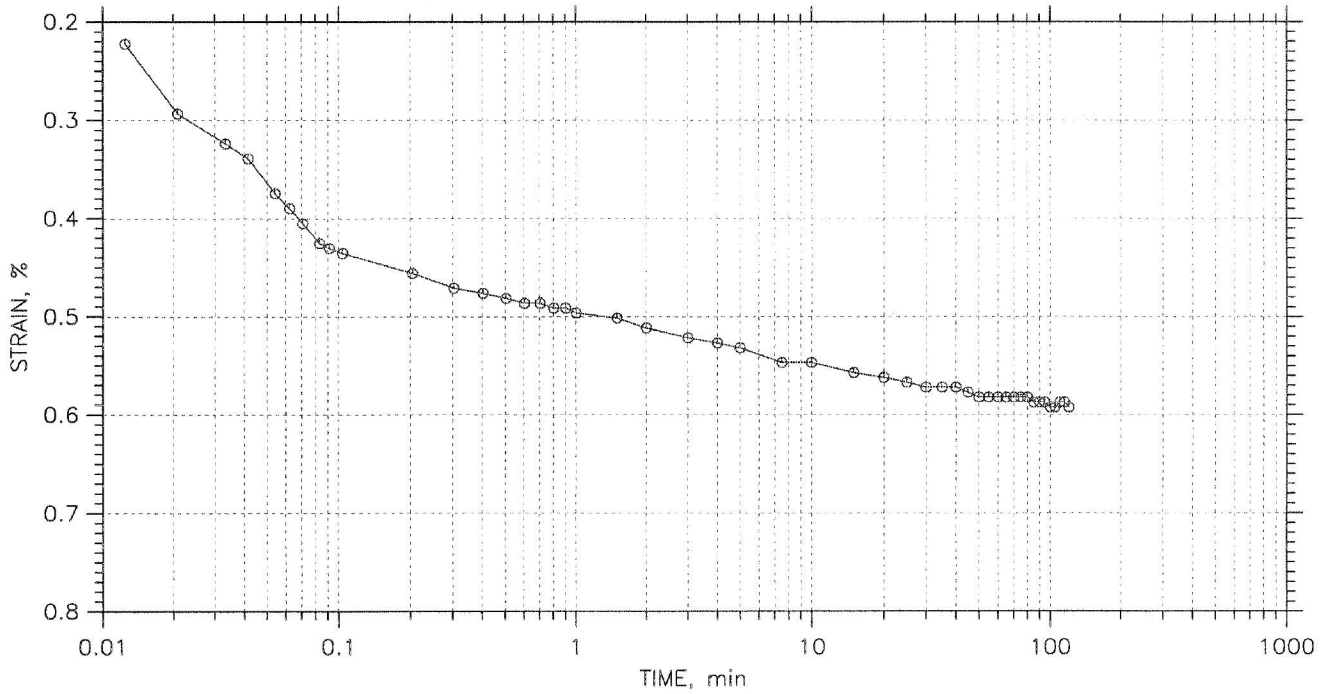
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 4 of 18

Stress: 2000. psf



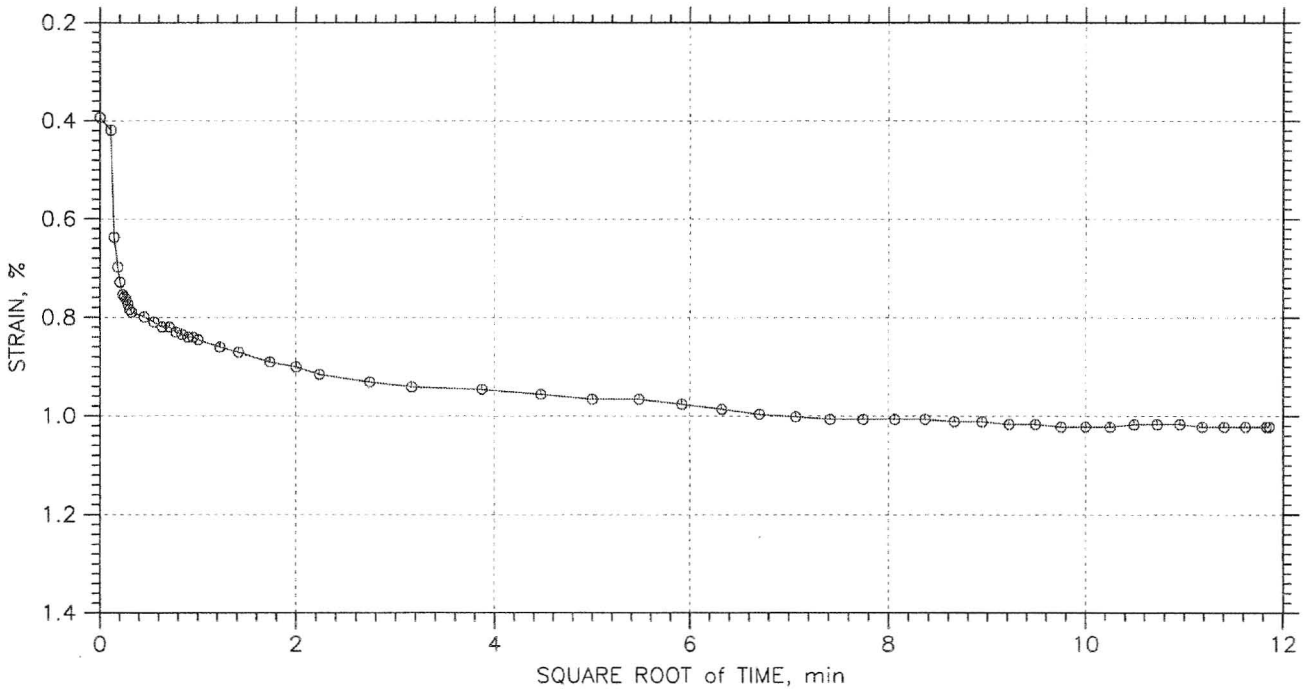
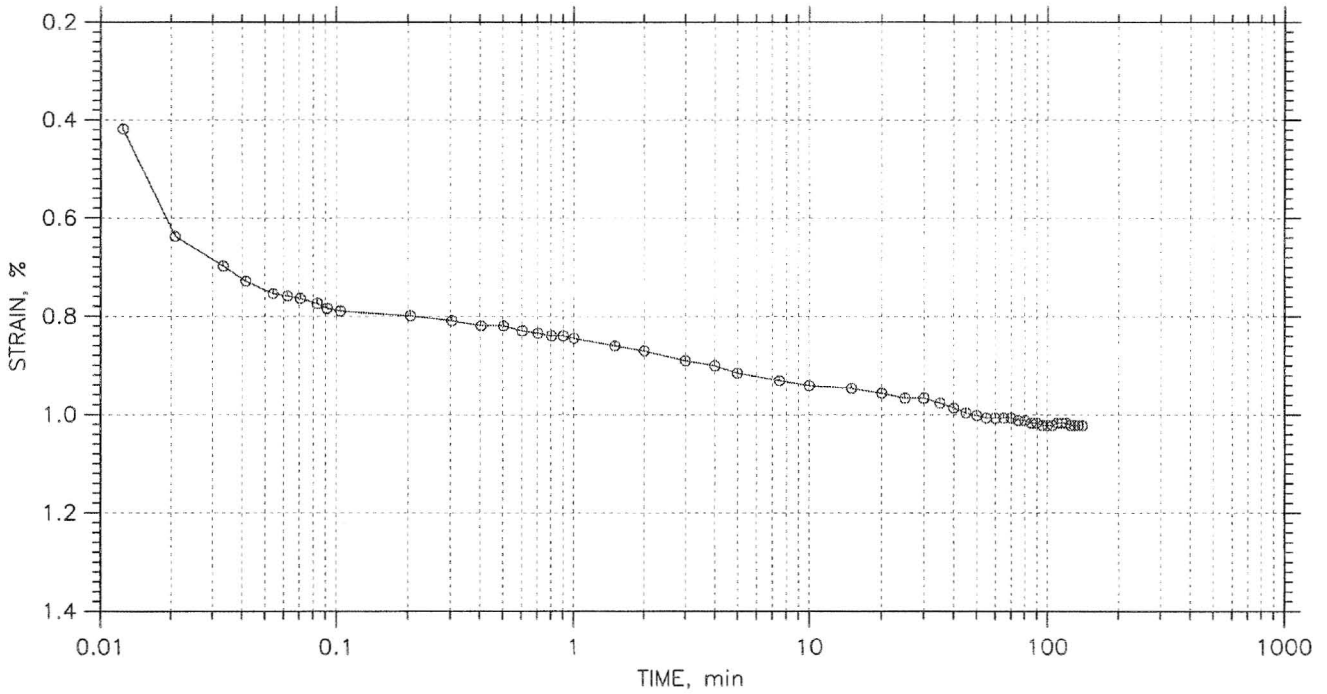
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 5 of 18

Stress: 4000. psf



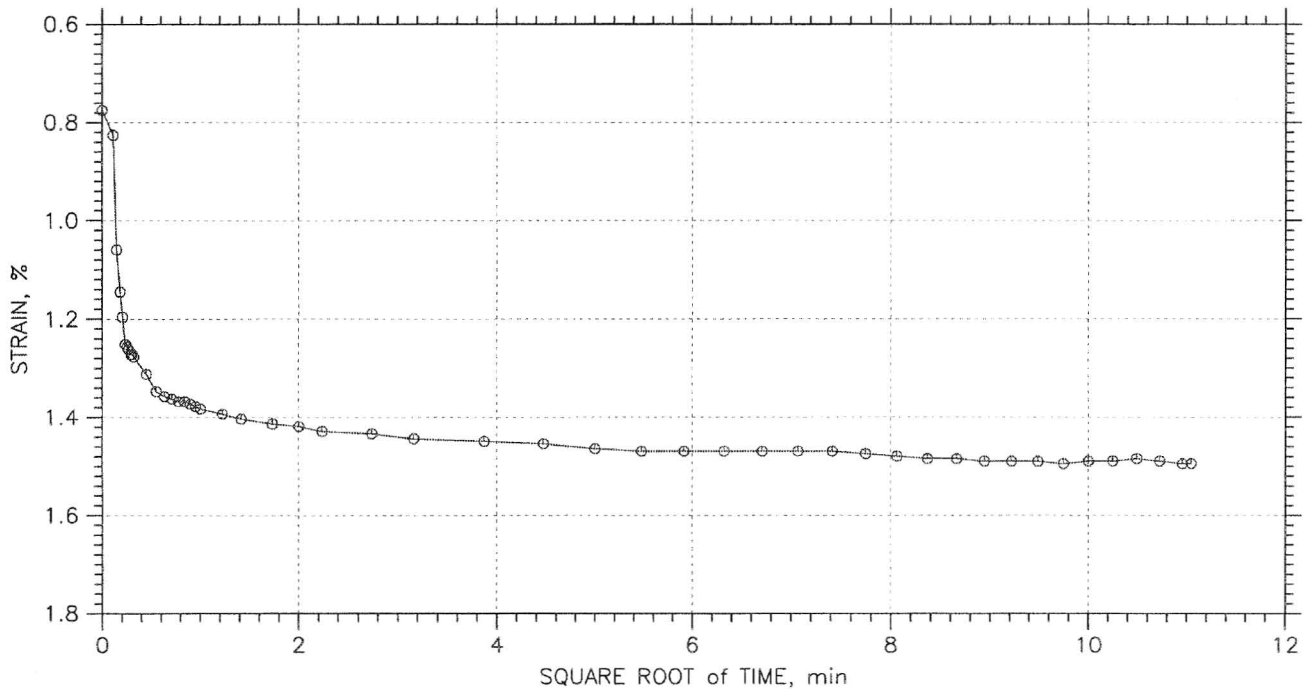
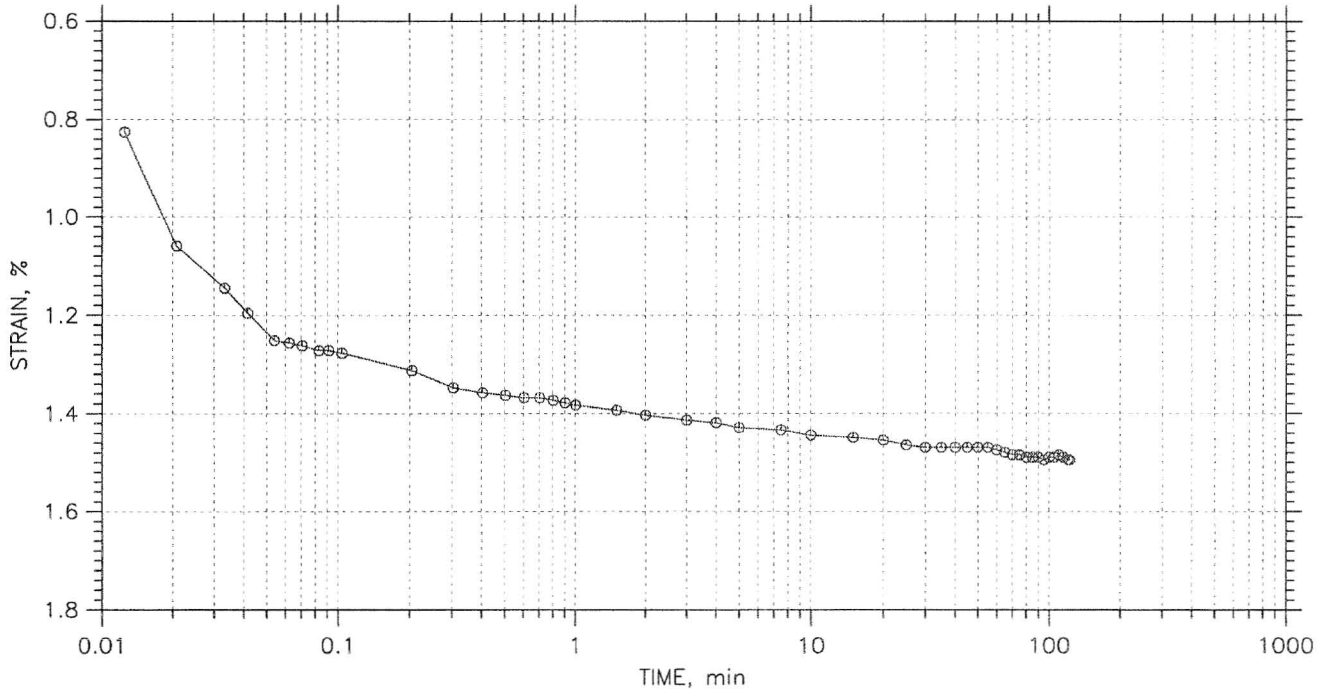
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 6 of 18

Stress: 8000. psf



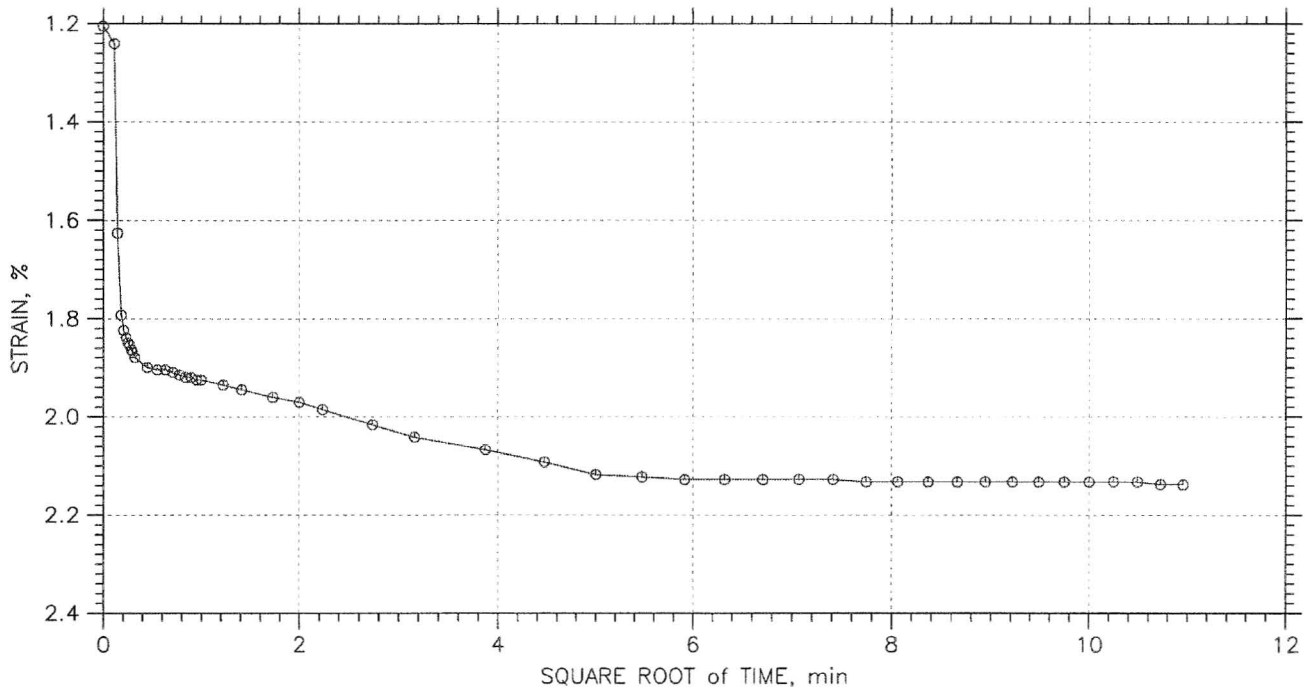
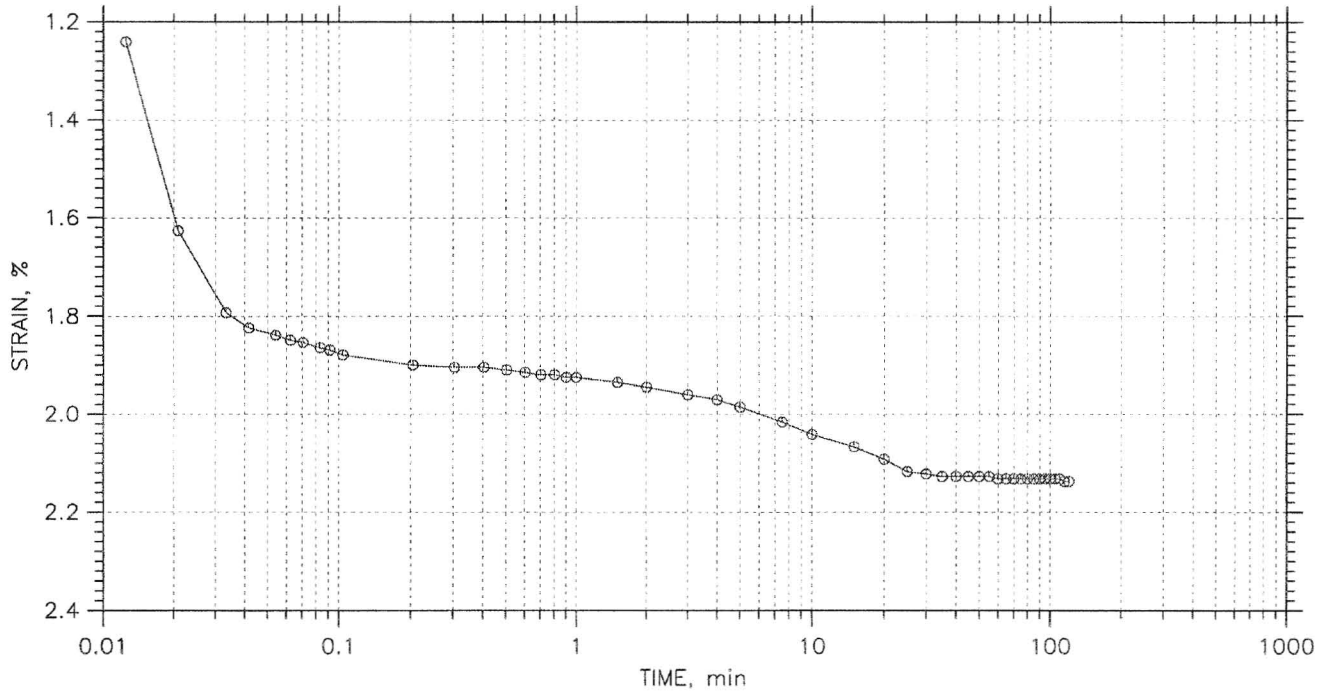
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 7 of 18

Stress: 16000 psf



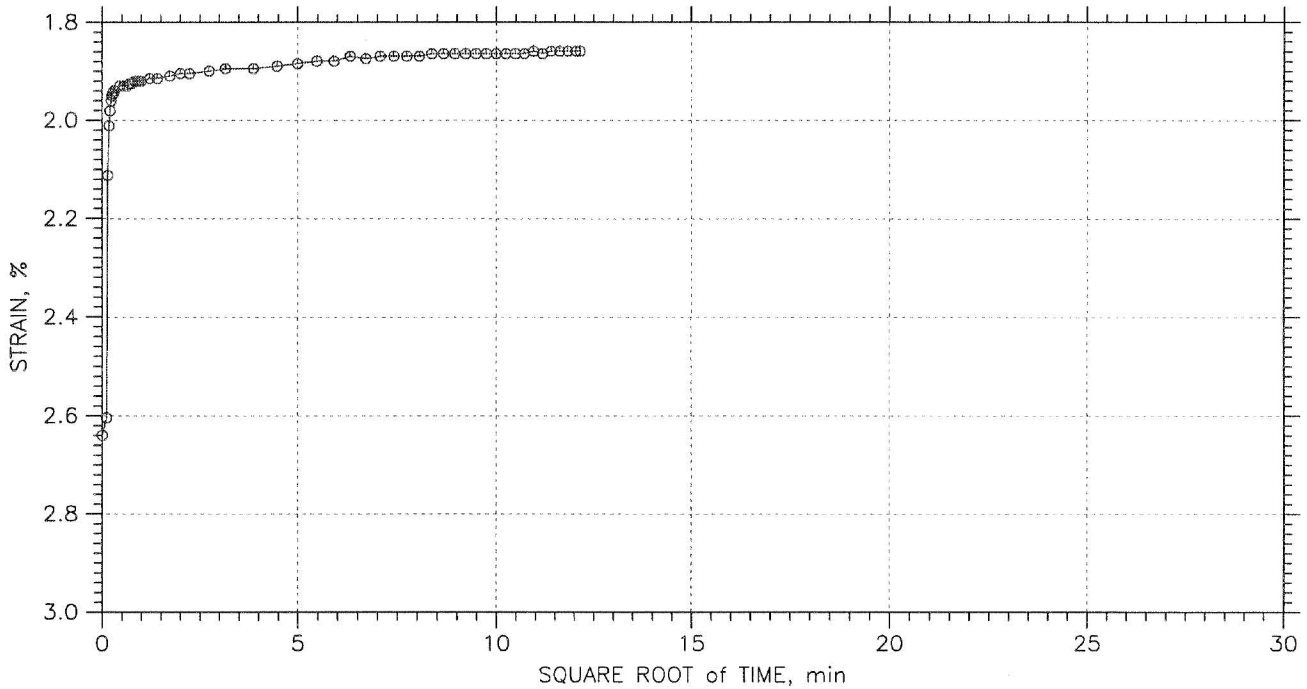
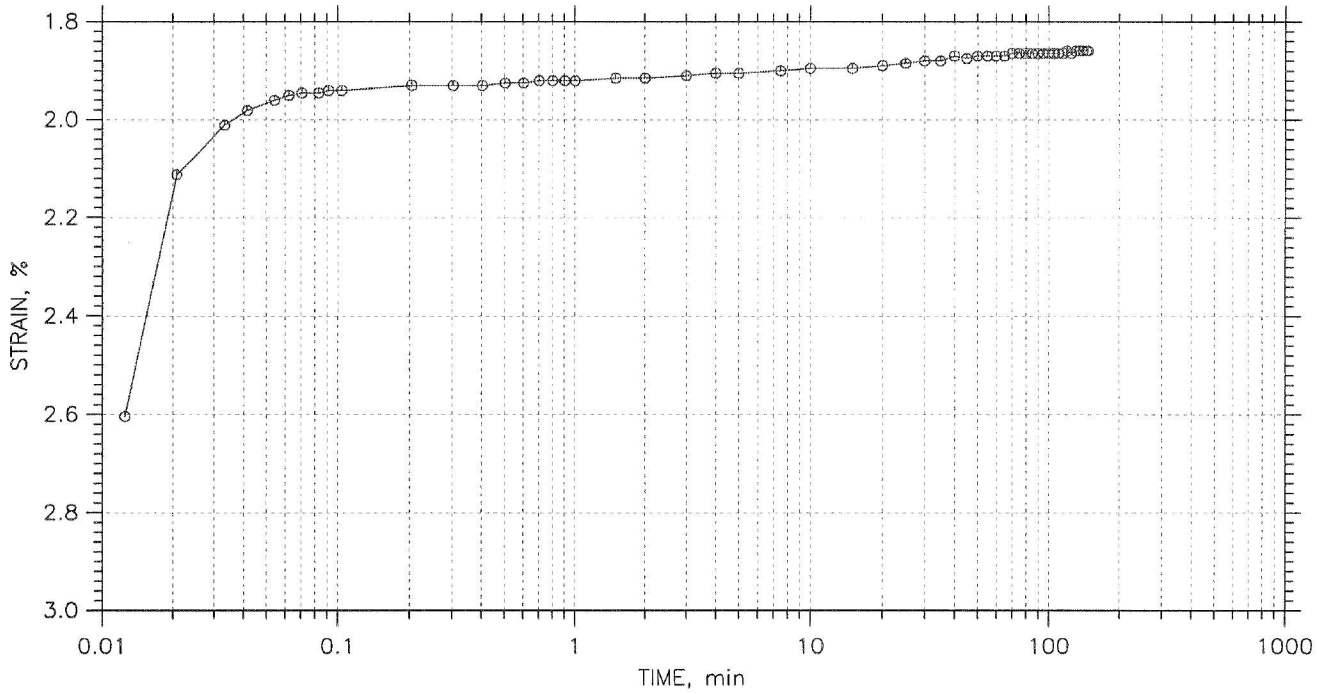
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 8 of 18

Stress: 4000. psf



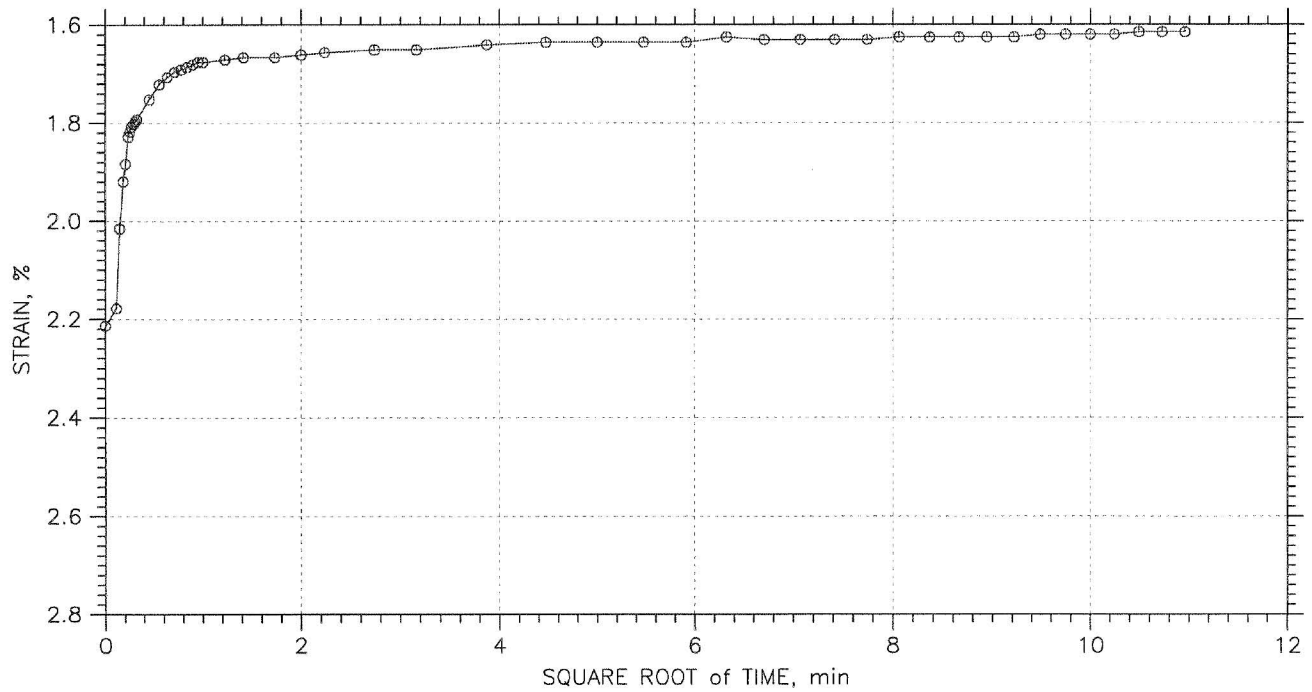
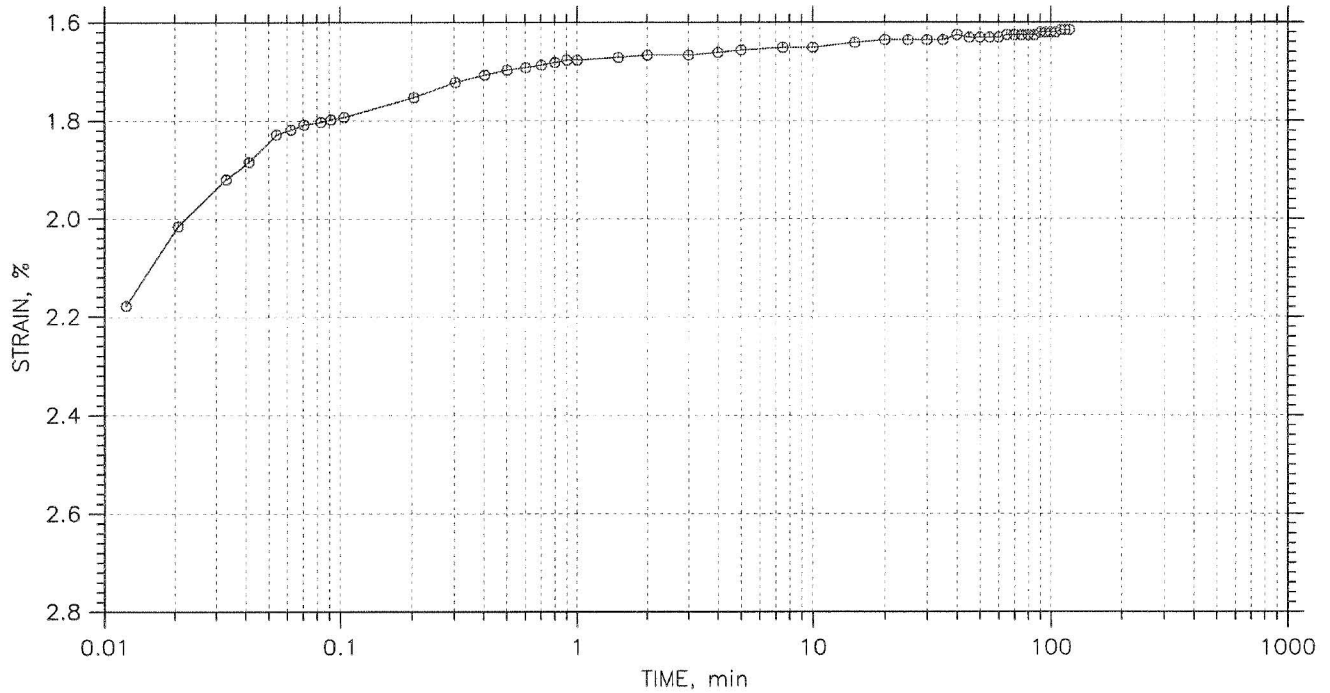
	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 9 of 18

Stress: 1000. psf



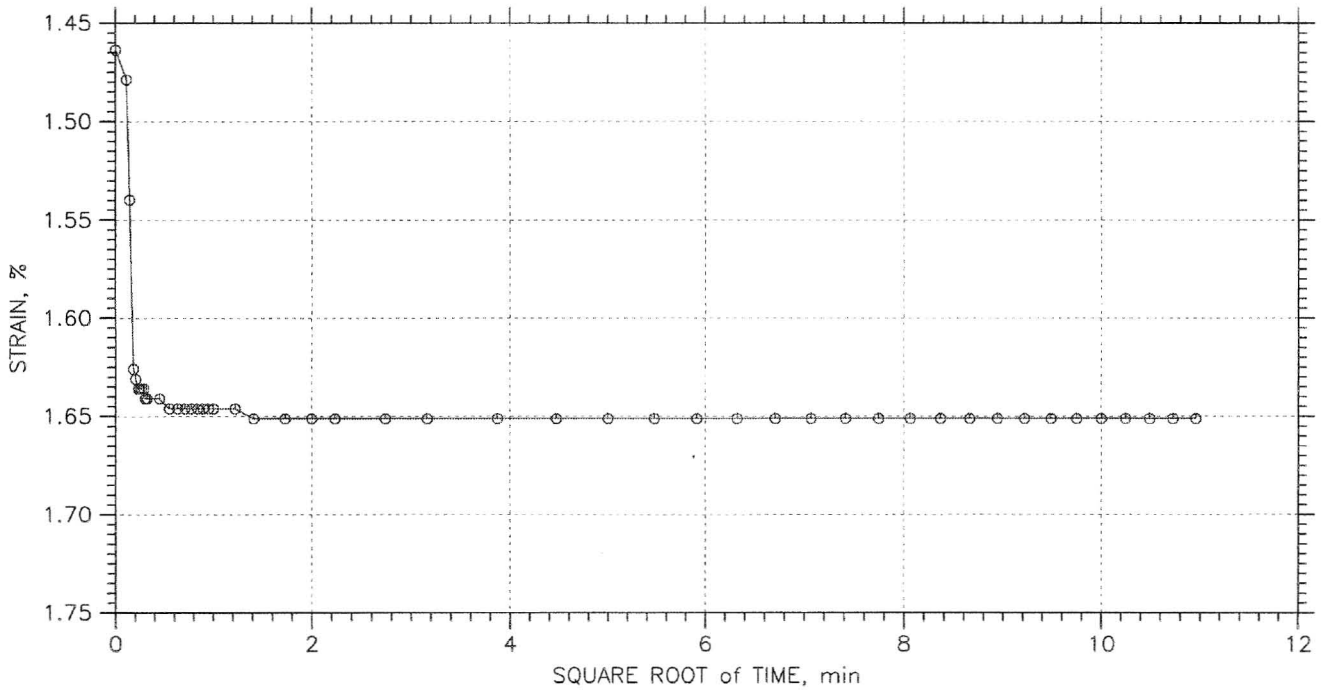
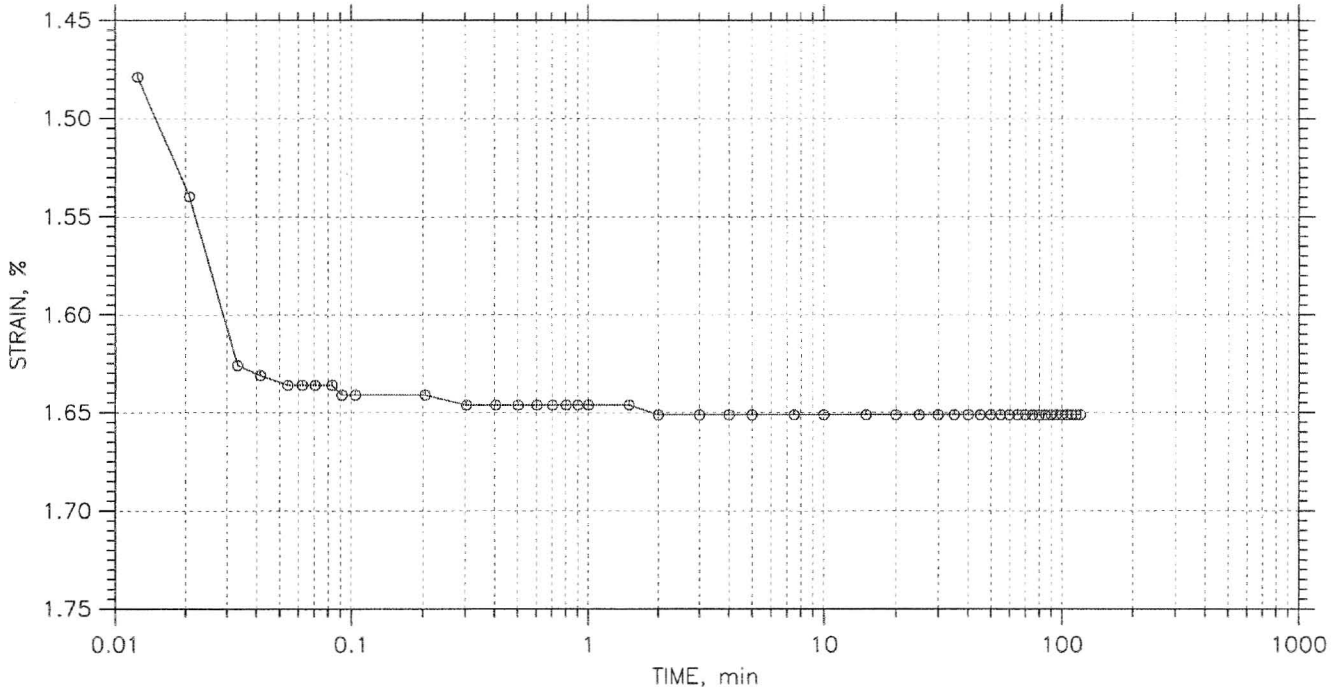
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 10 of 18

Stress: 2000. psf



<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

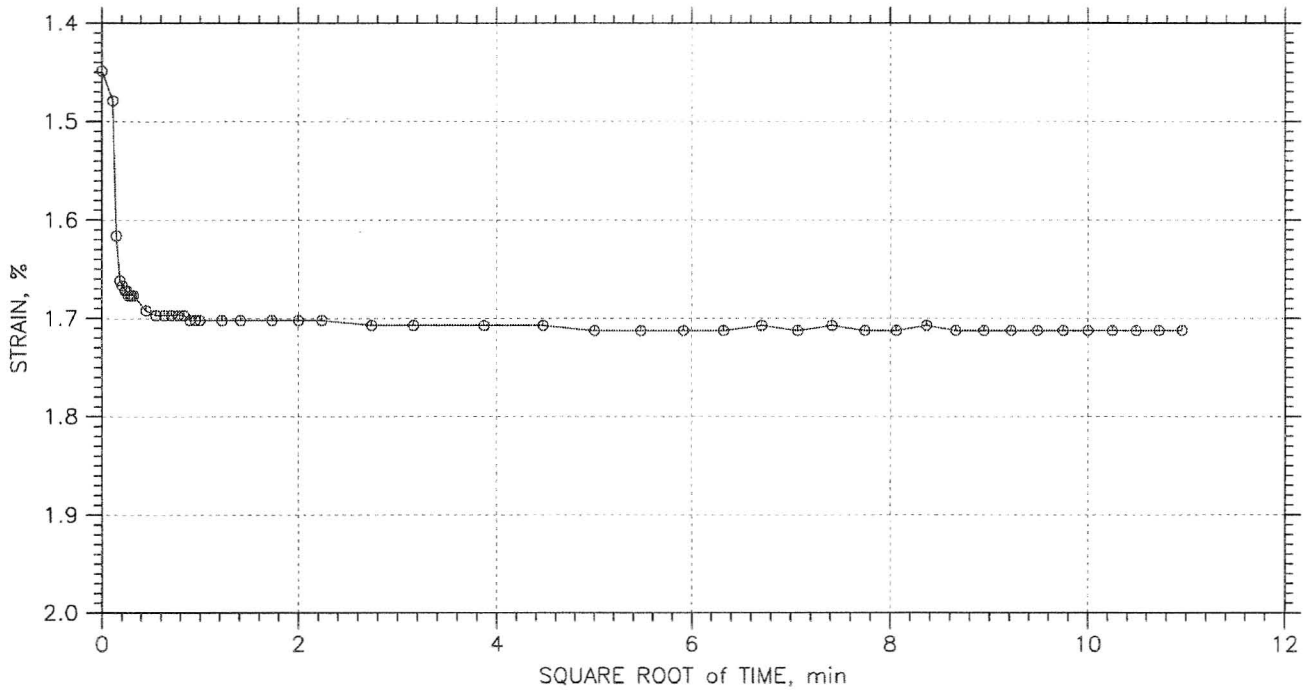
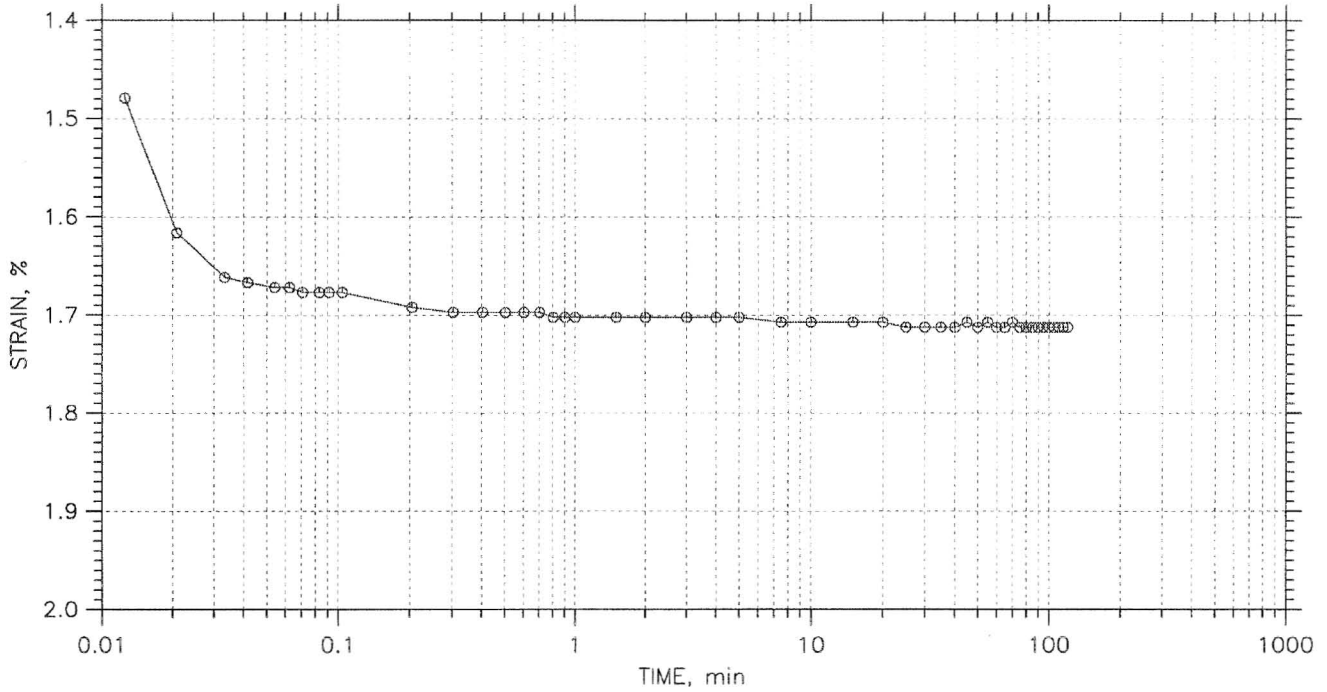


# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 11 of 18

Stress: 4000. psf



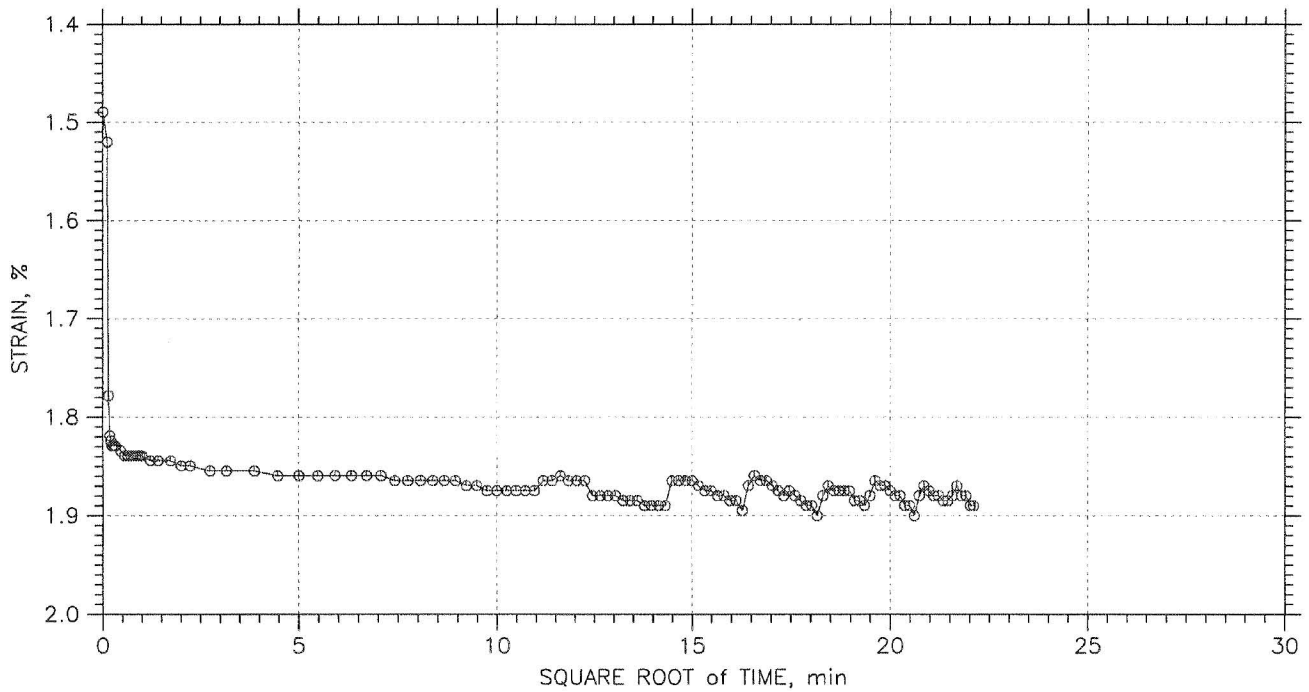
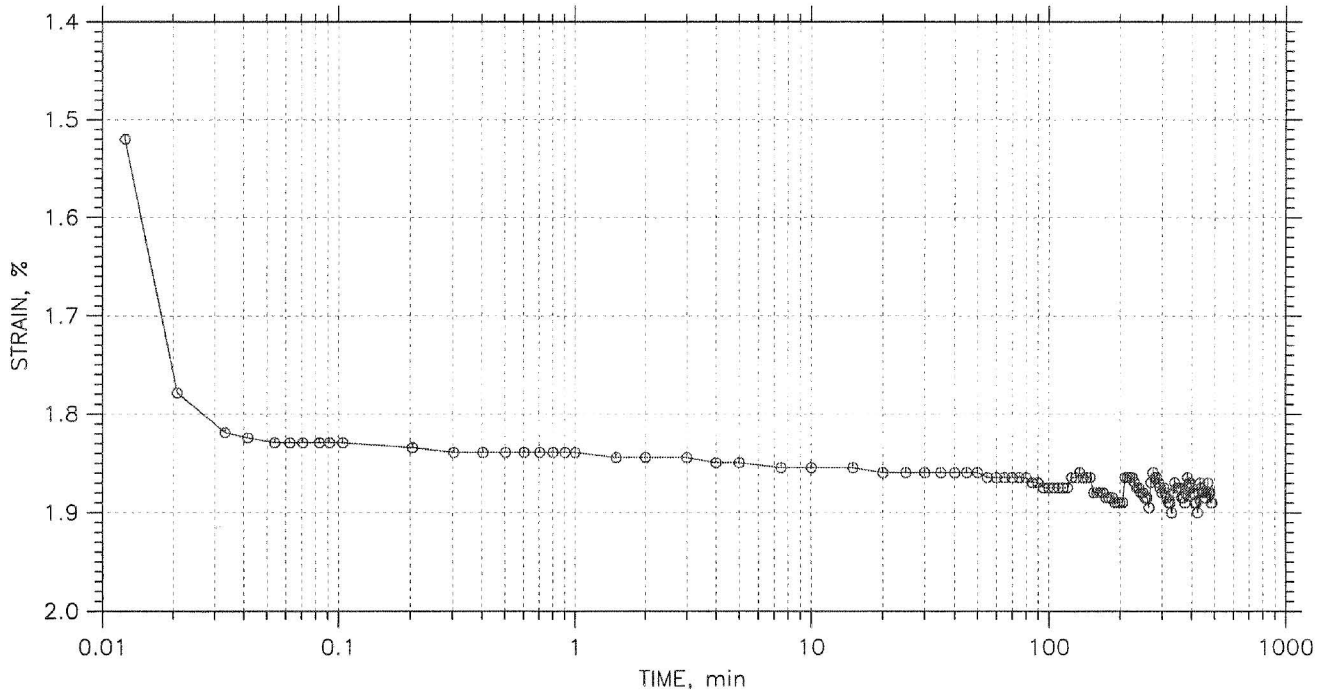
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 12 of 18

Stress: 8000. psf



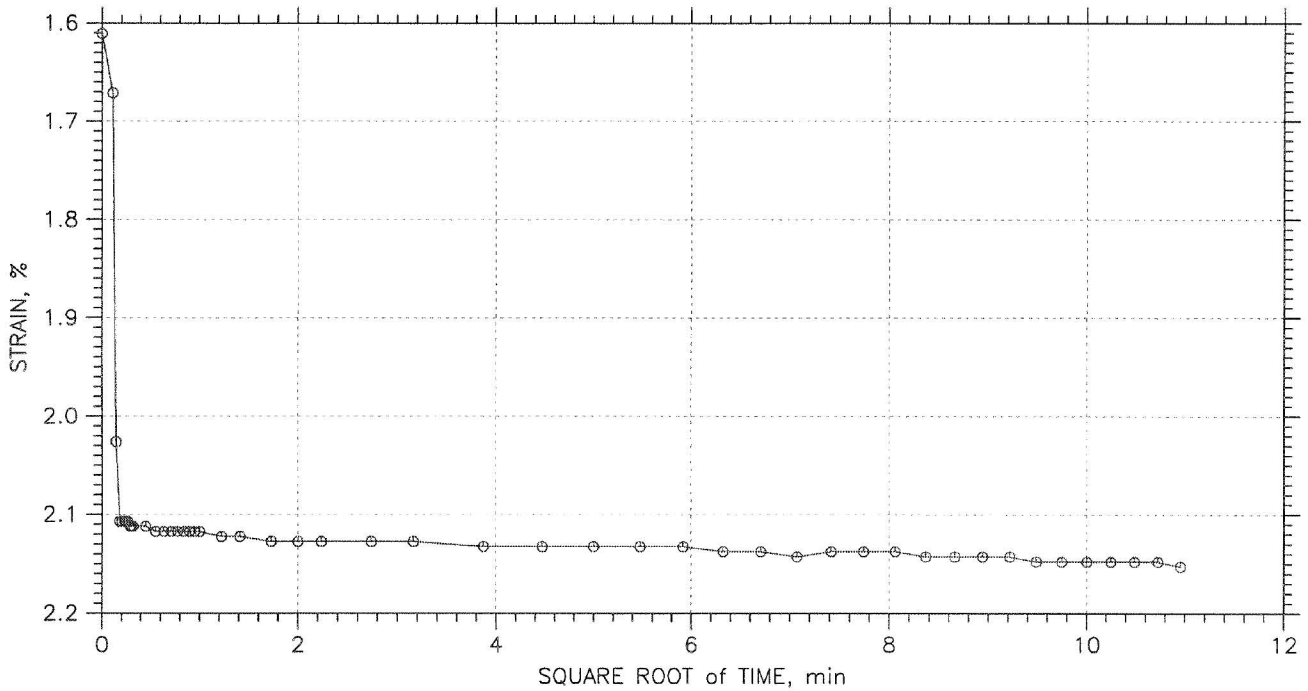
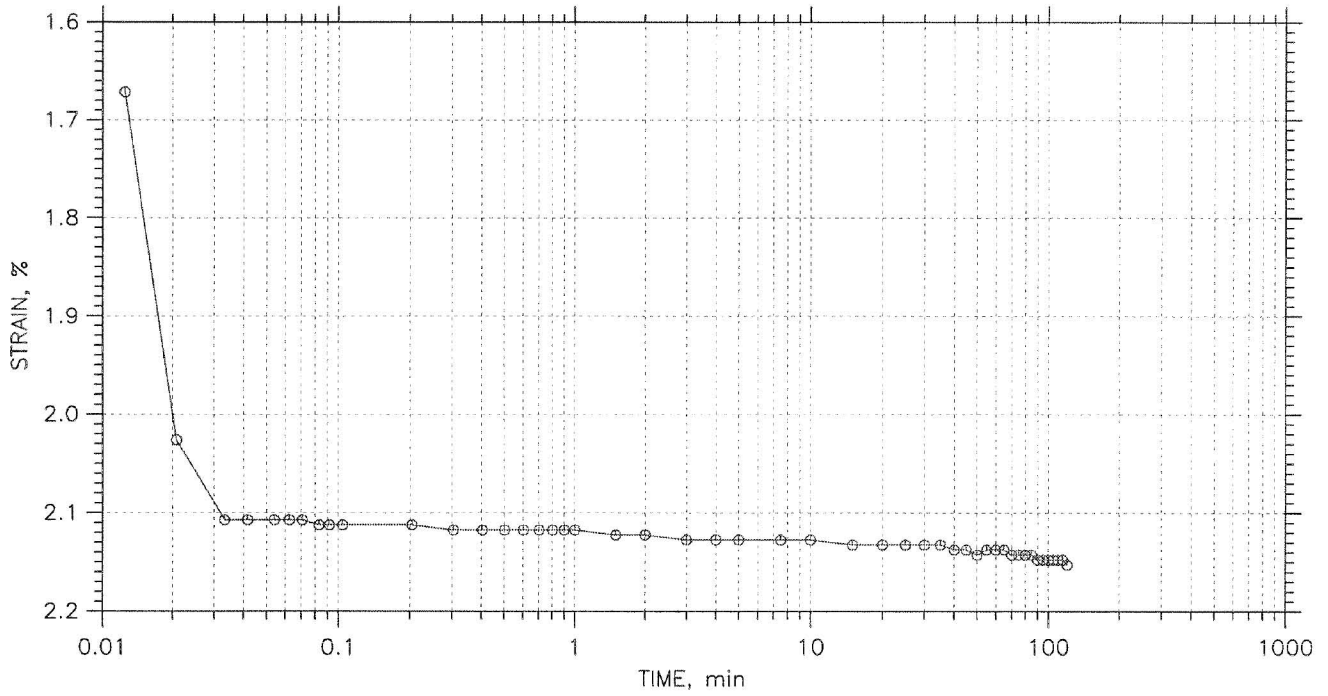
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 13 of 18

Stress: 16000 psf



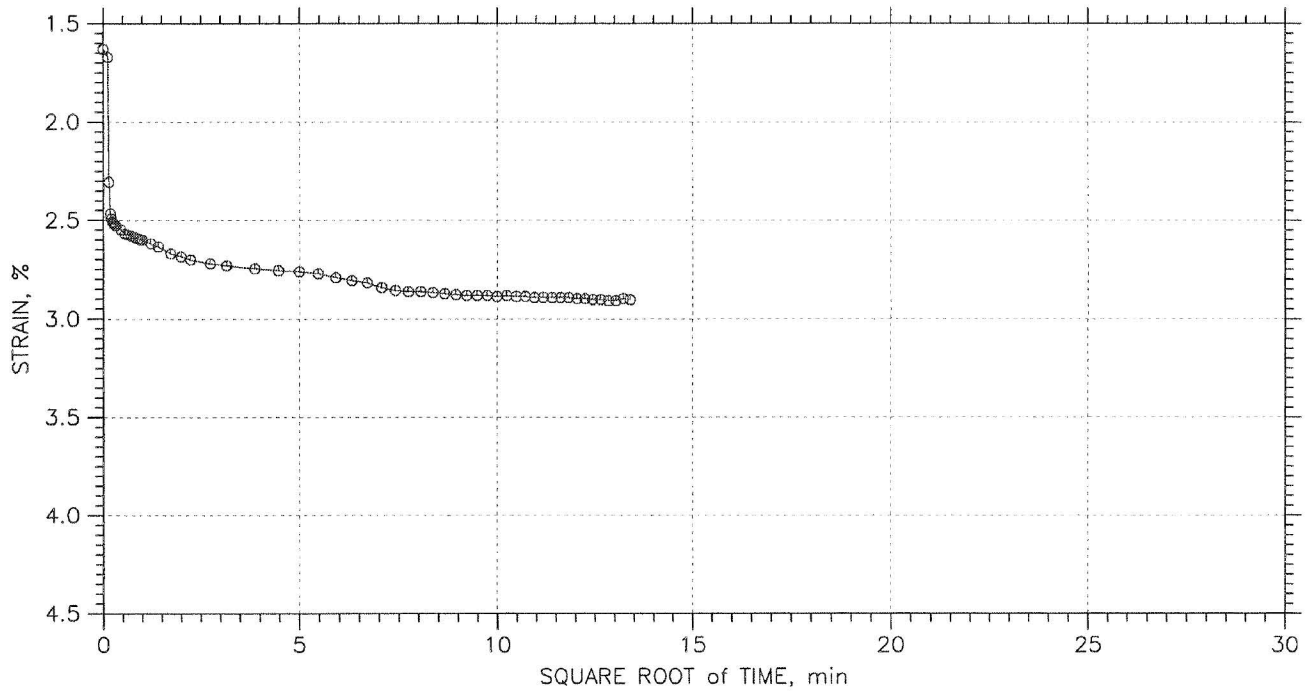
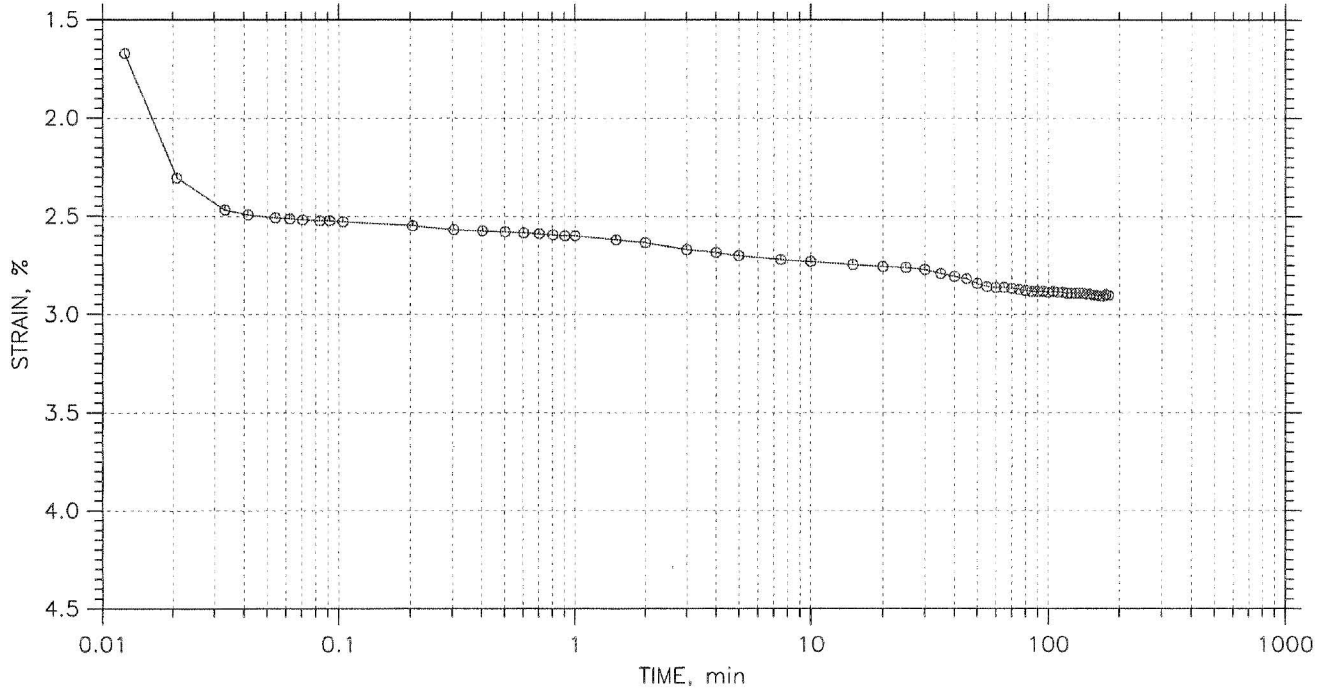
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 14 of 18

Stress: 32000 psf



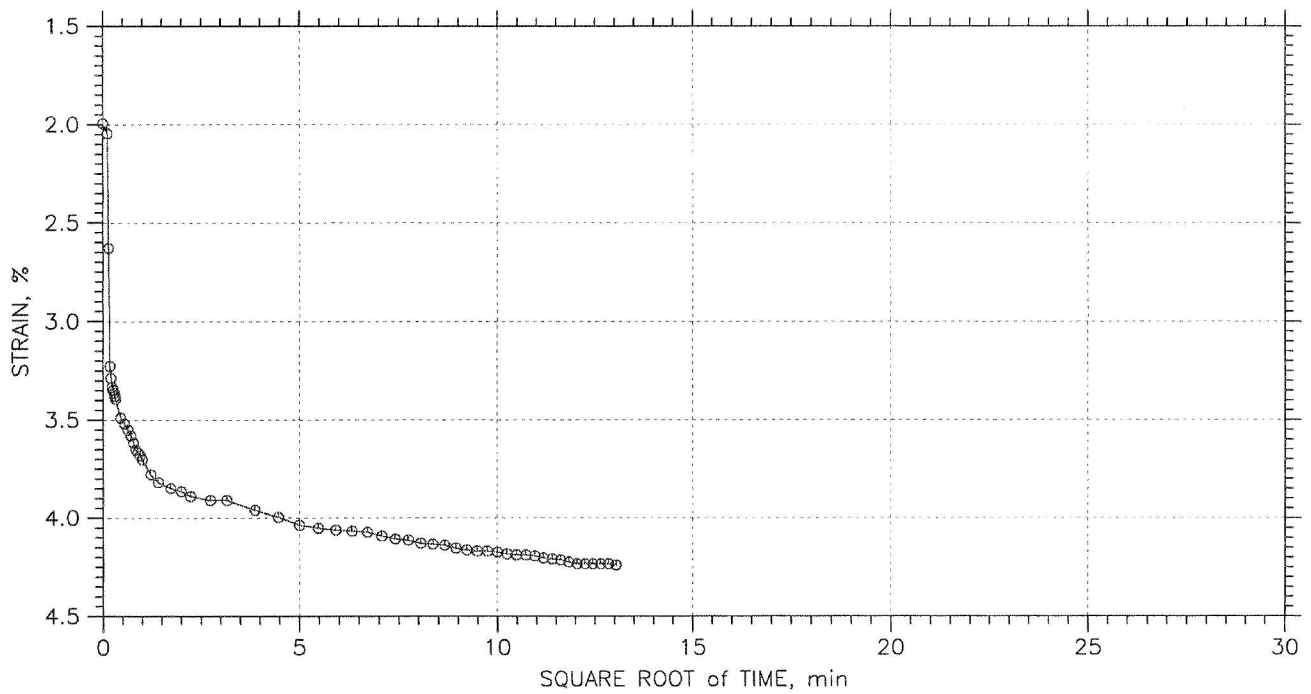
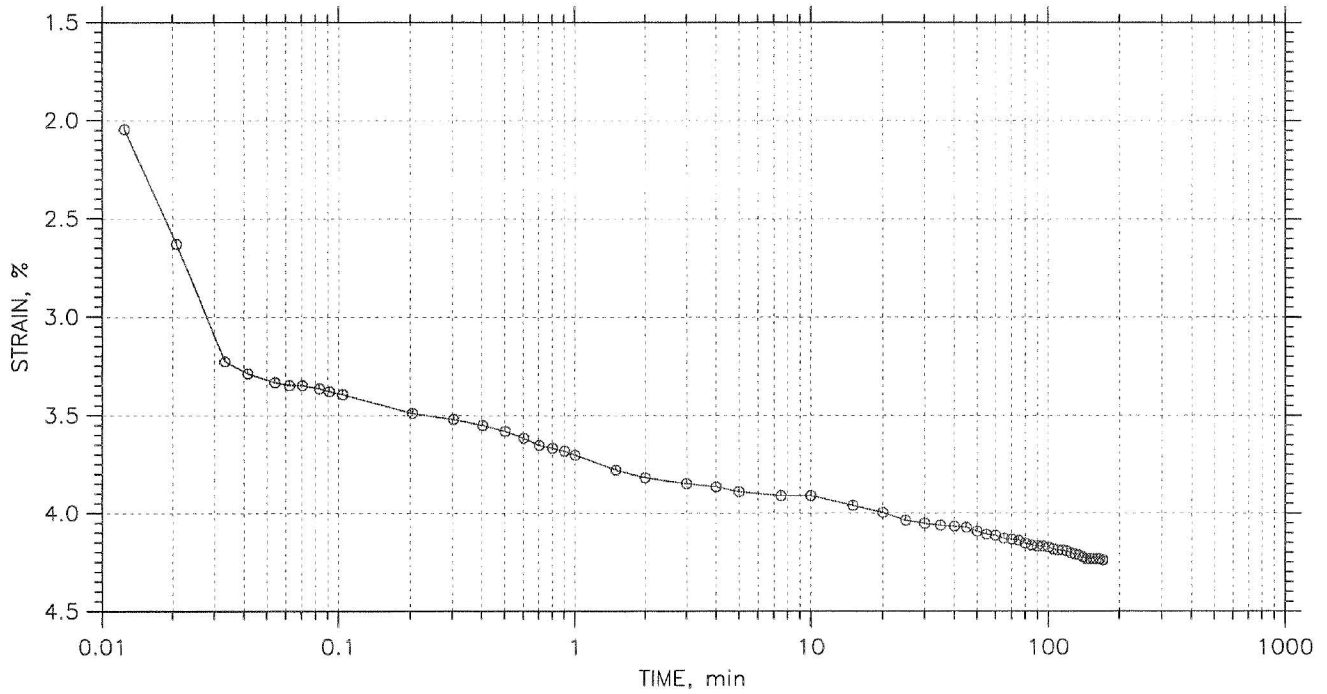
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 15 of 18

Stress: 64000 psf



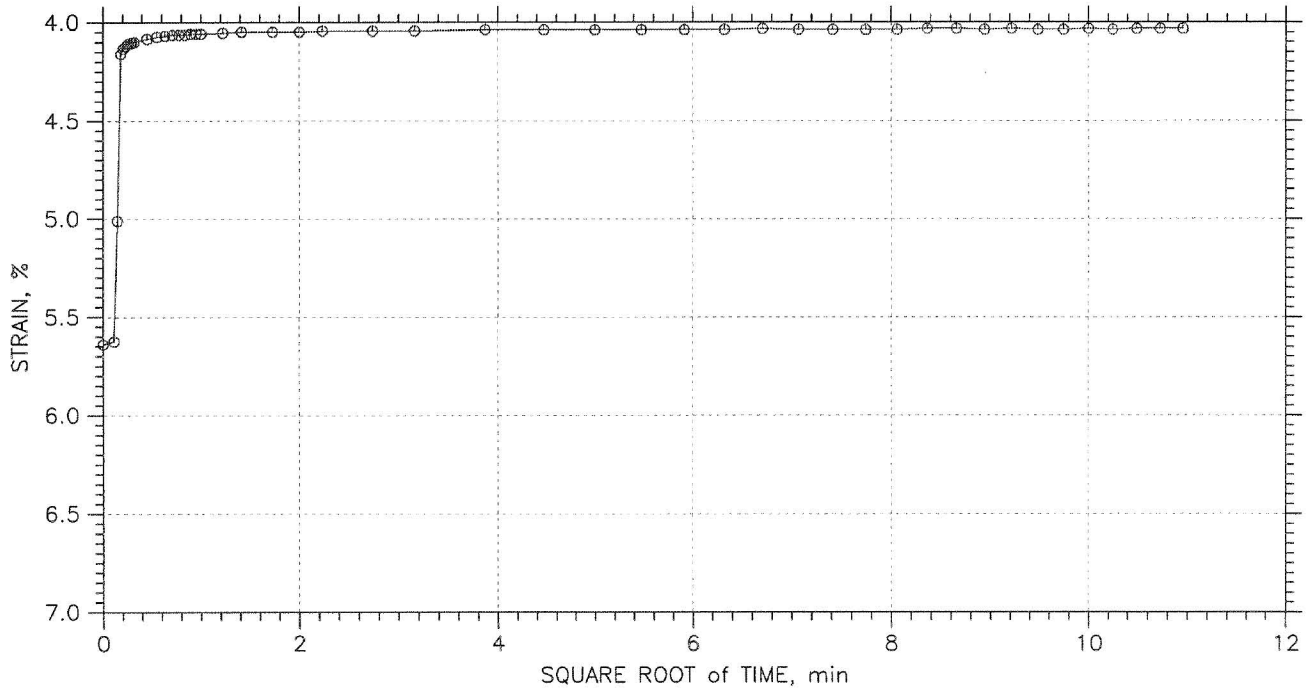
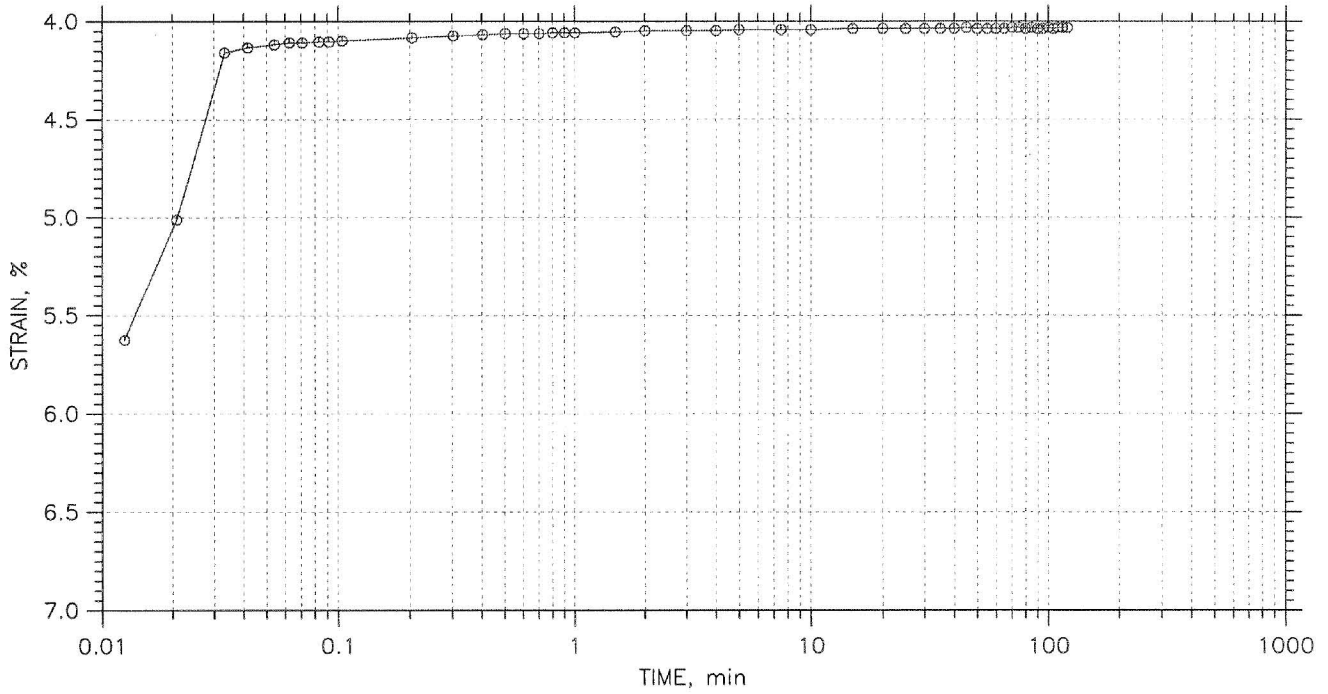
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 16 of 18

Stress: 16000 psf



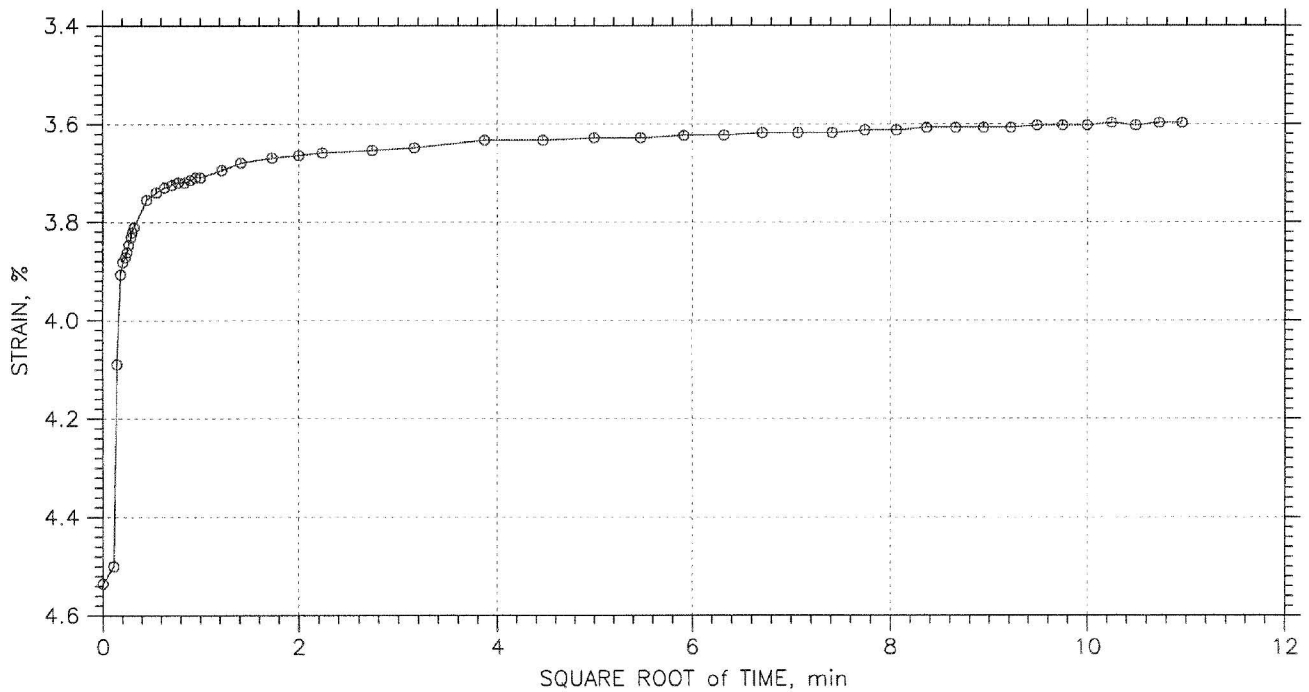
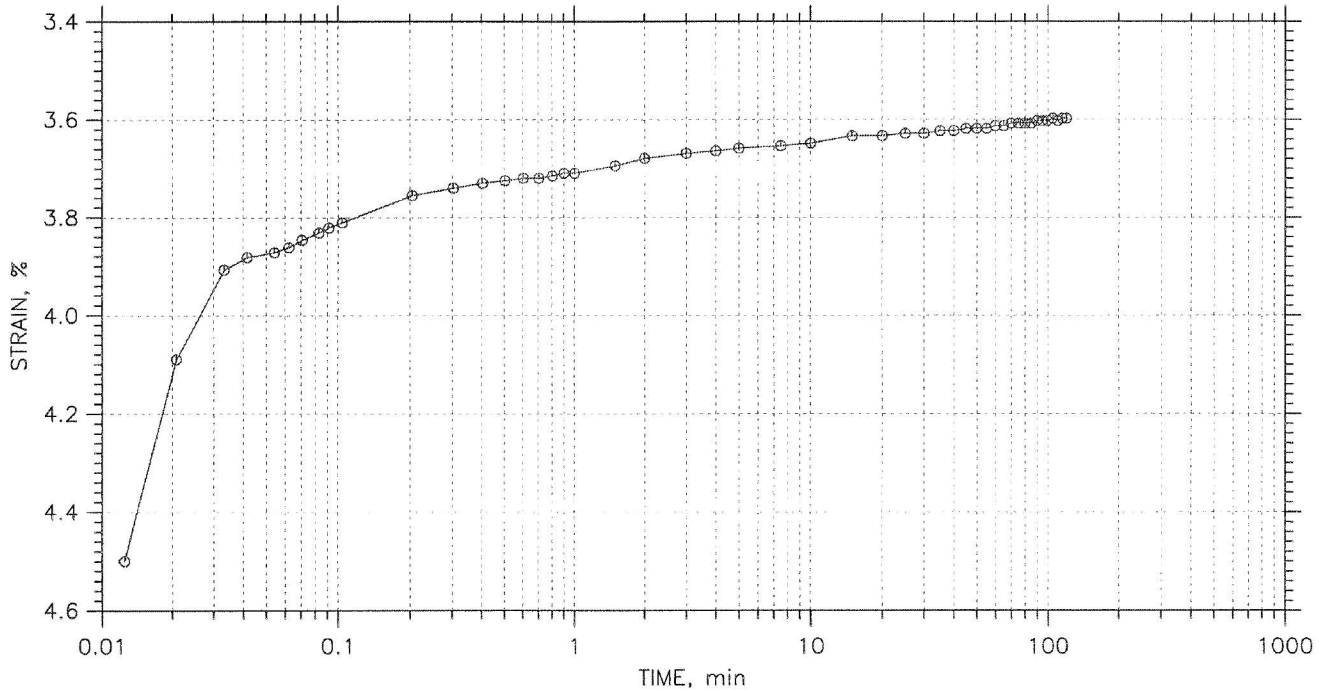
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 17 of 18

Stress: 4000. psf



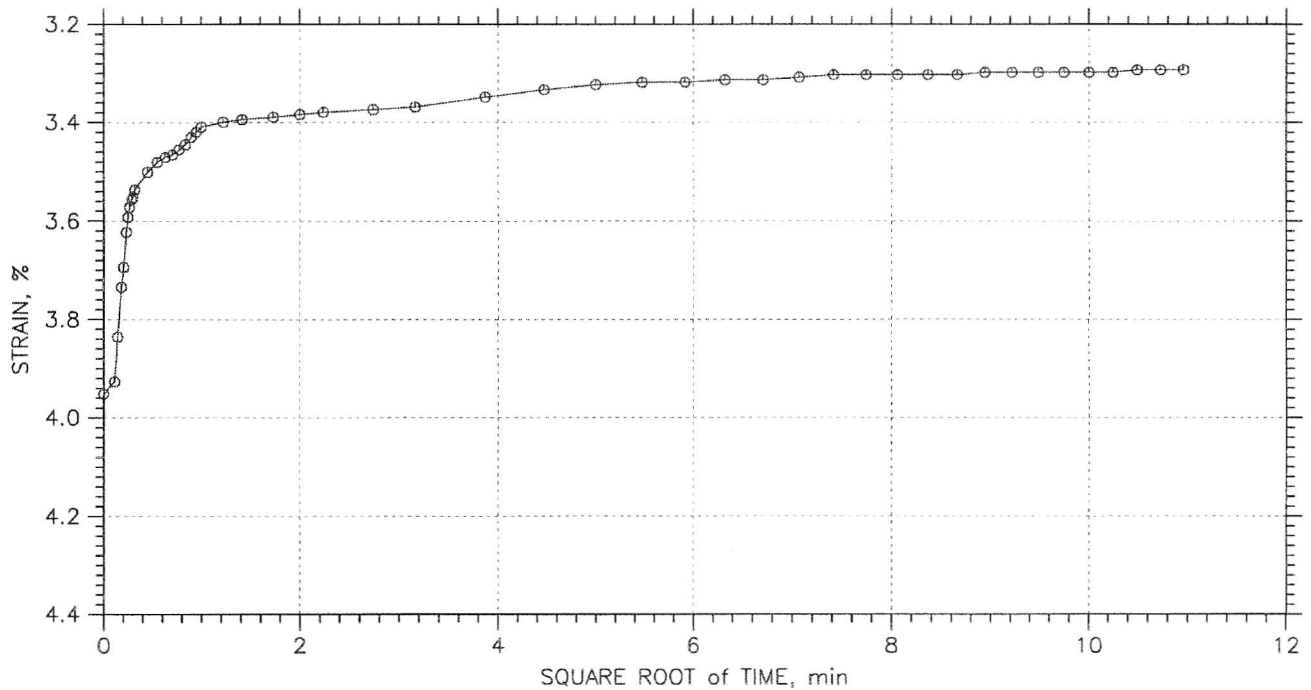
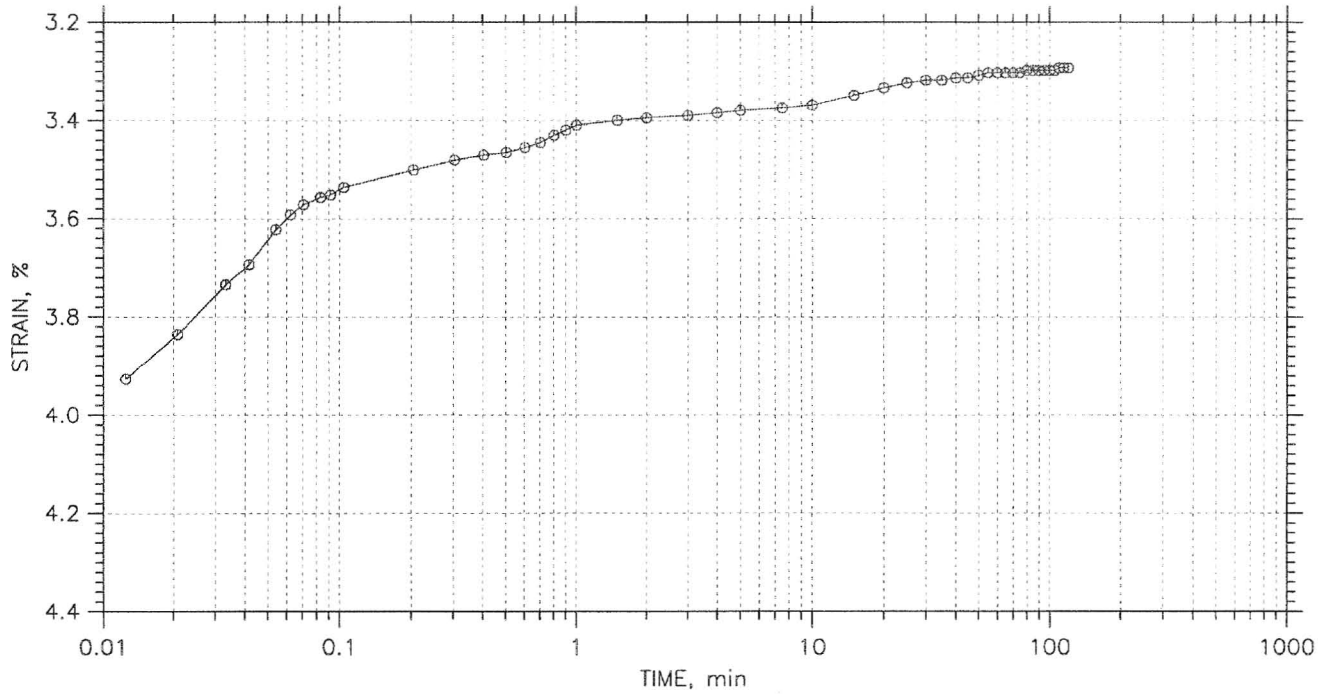
<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 18 of 18

Stress: 1000. psf



<b>MACTEC</b>	Project: Vogtle COL	Location: B-3001	Project No.: 6141060286
	Boring No.: B-3001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 5/18/07	Depth: 133.50'
	Test No.: 7496	Sample Type: Undisturbed	Elevation: 84.90'
	Description: CLAY, with Gravel (CL) (Visual)		
	Remarks:		