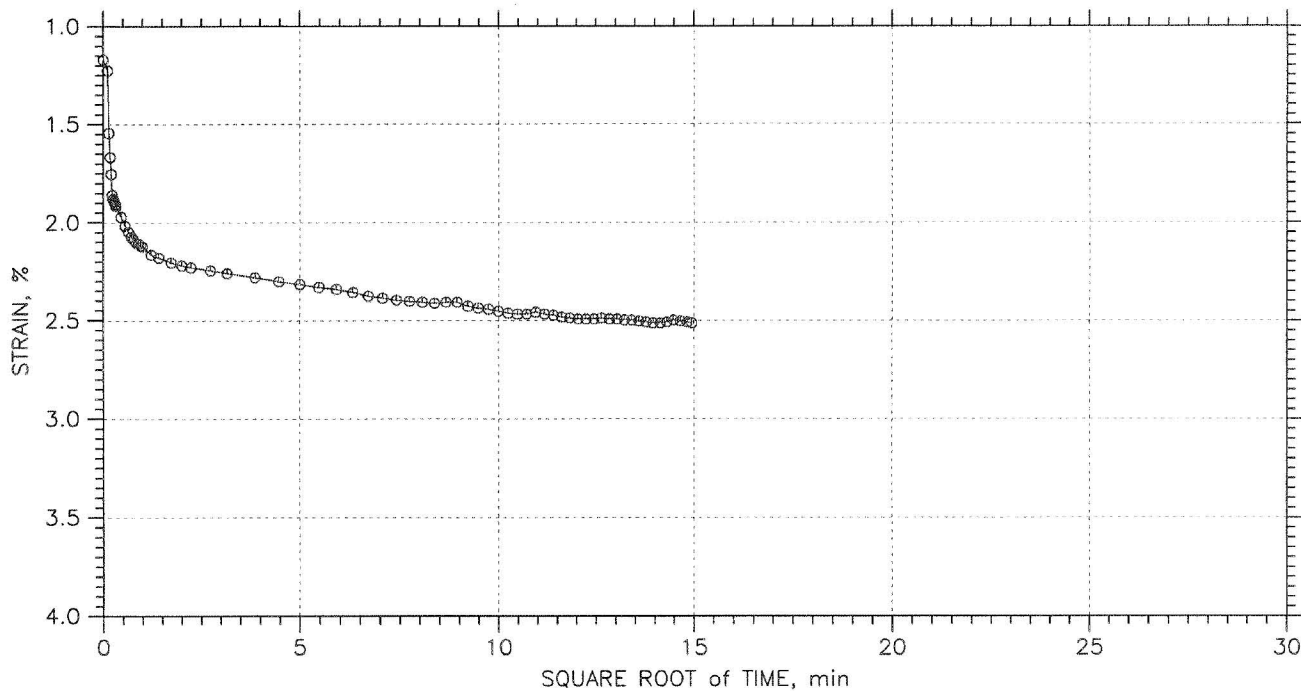
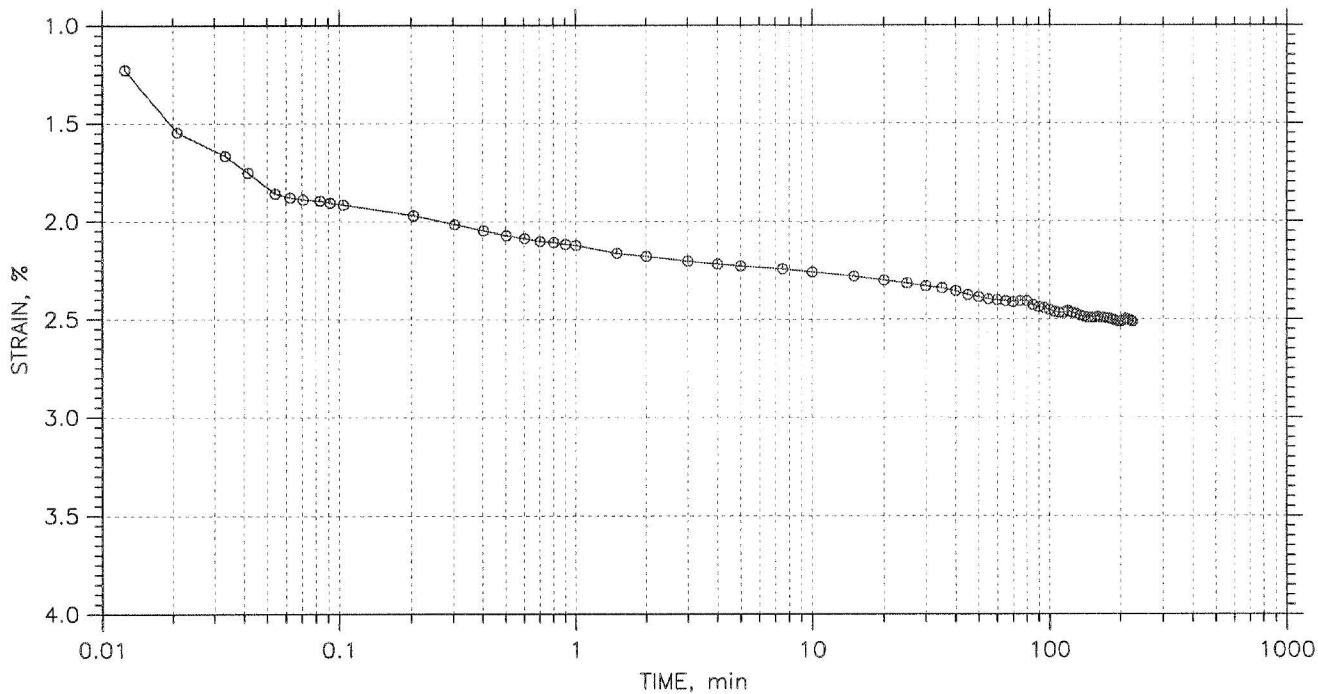


# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 6 of 17

Stress: 8000. psf



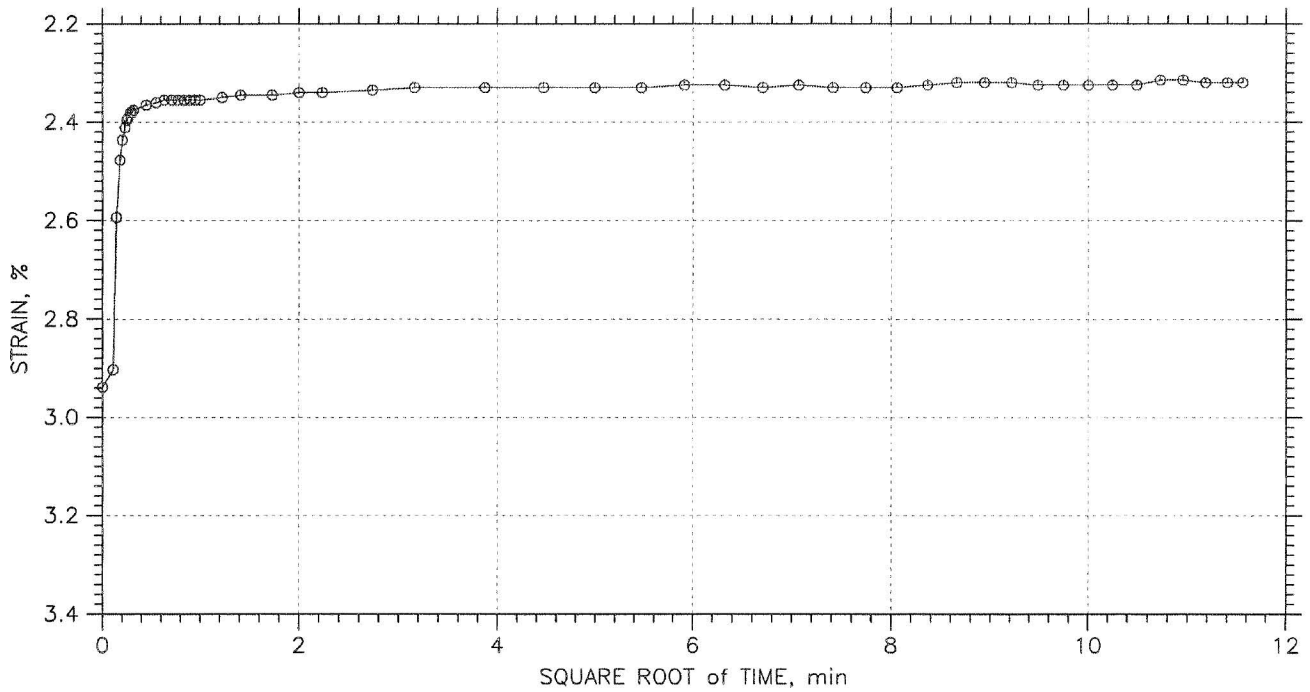
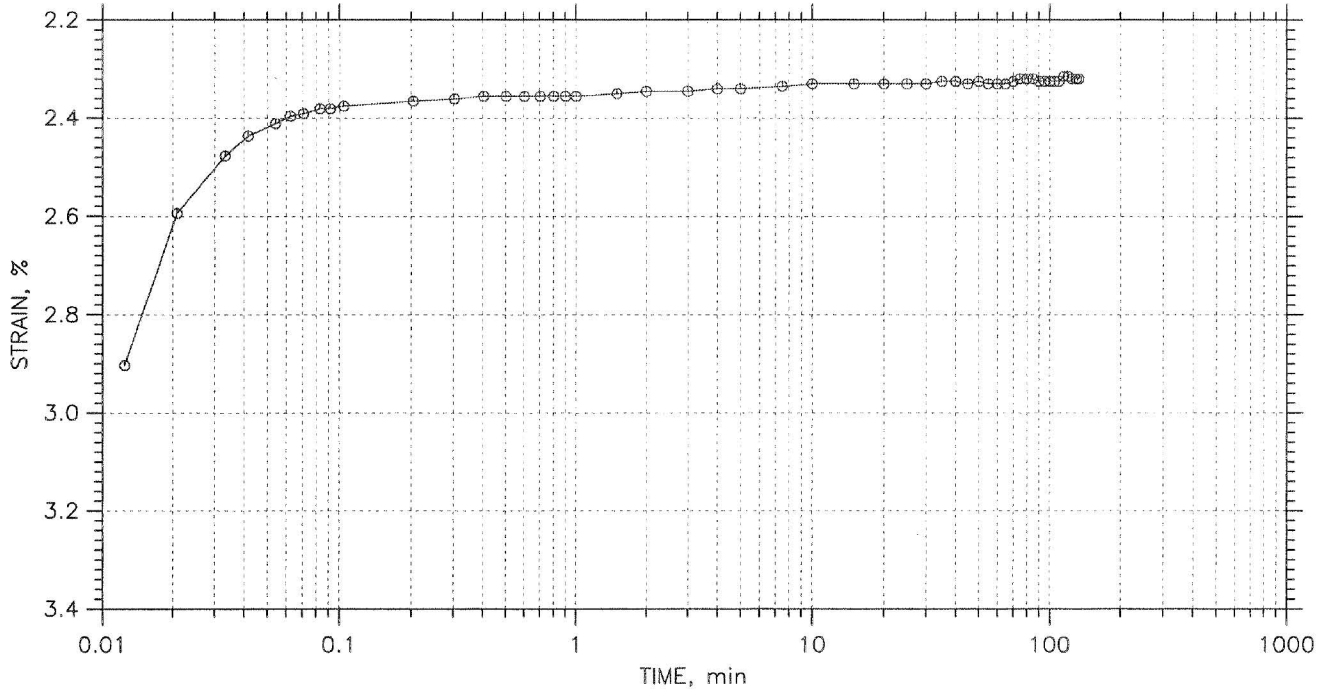
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 7 of 17

Stress: 2000. psf



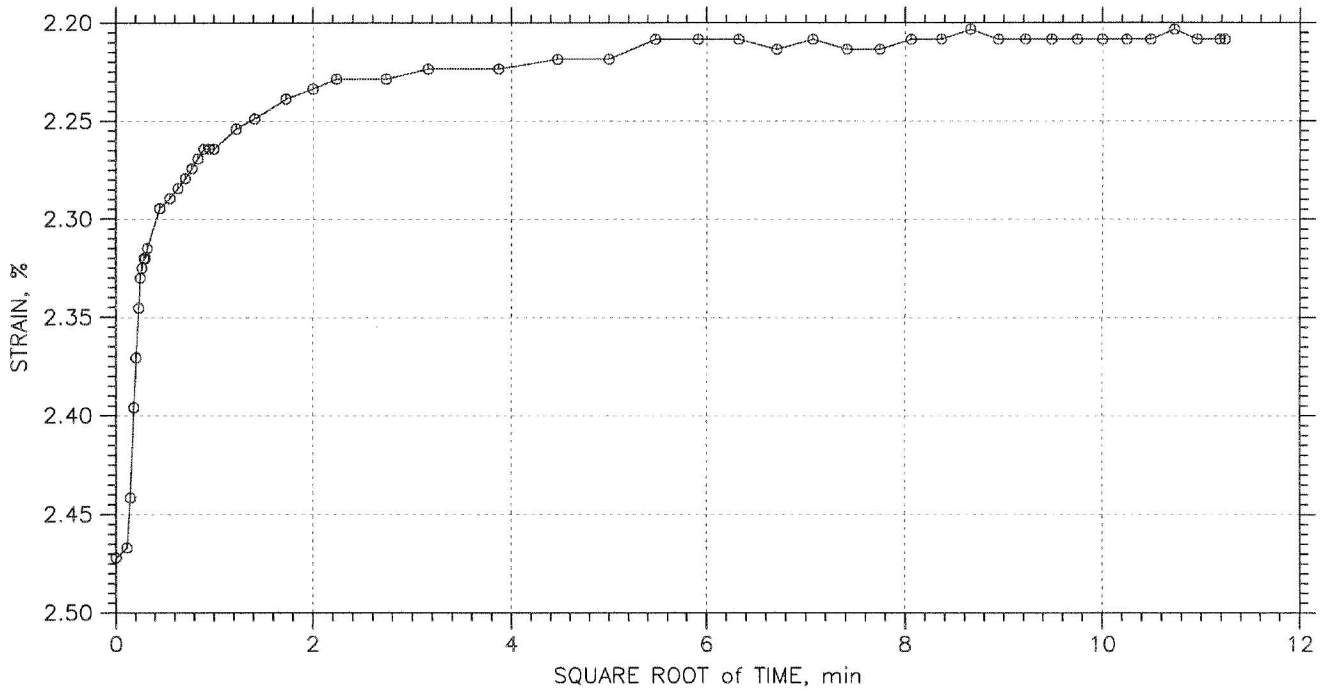
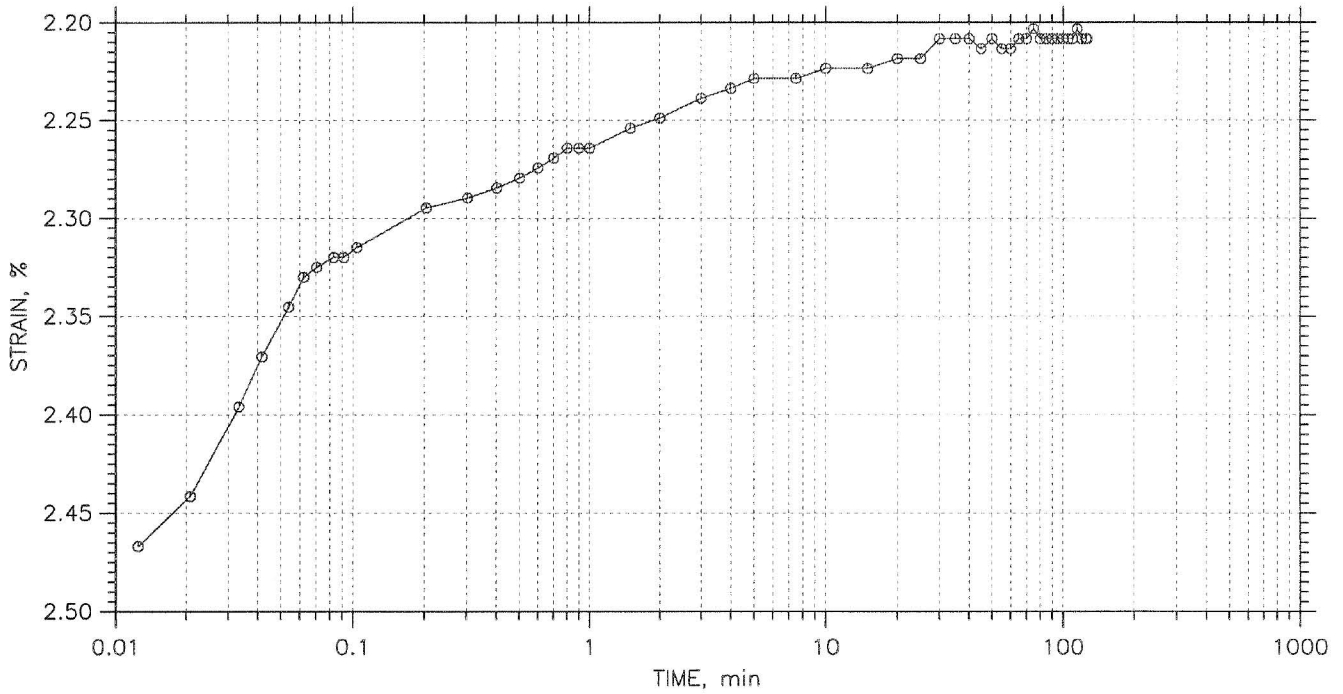
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 8 of 17

Stress: 1000. psf



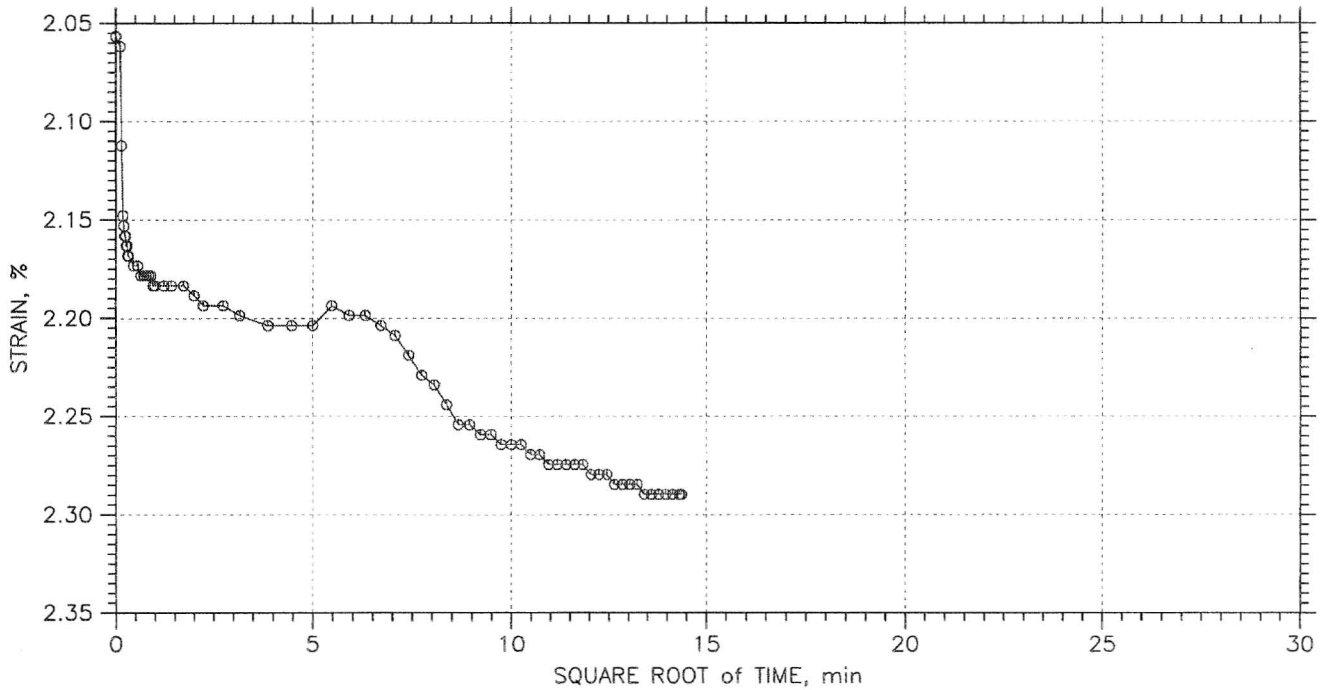
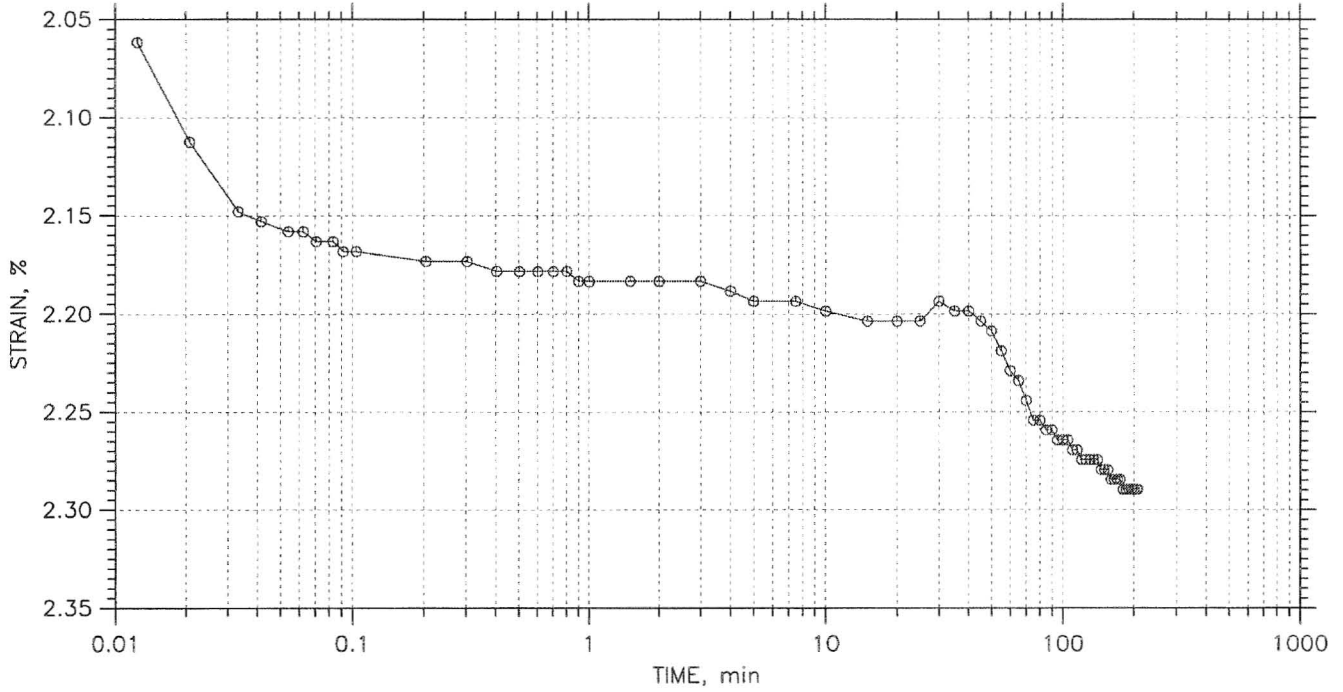
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 9 of 17

Stress: 2000. psf



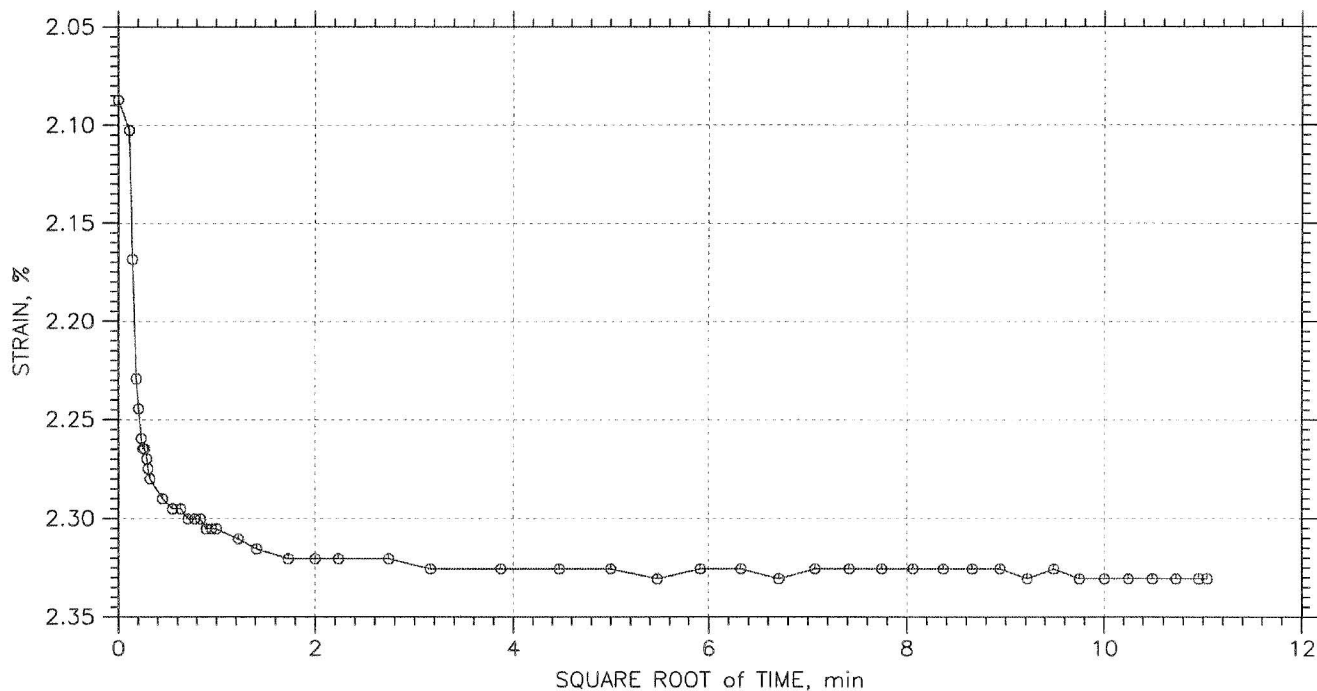
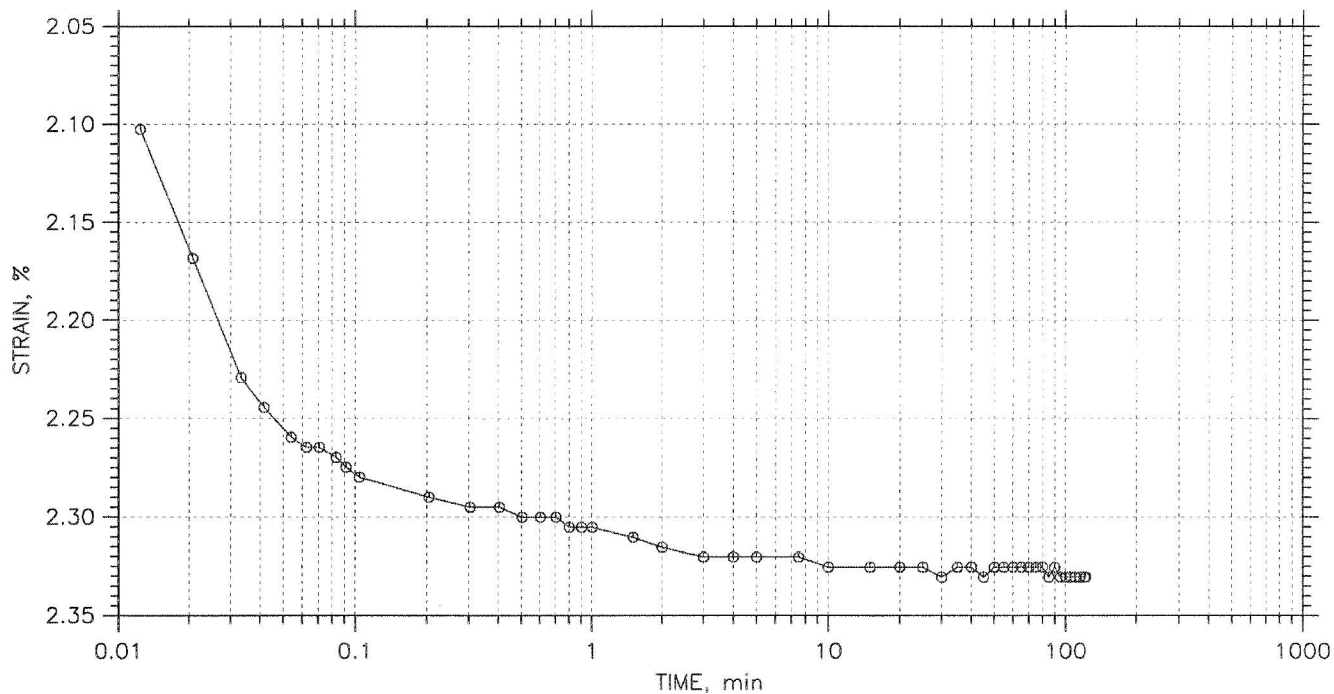
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 10 of 17

Stress: 4000. psf



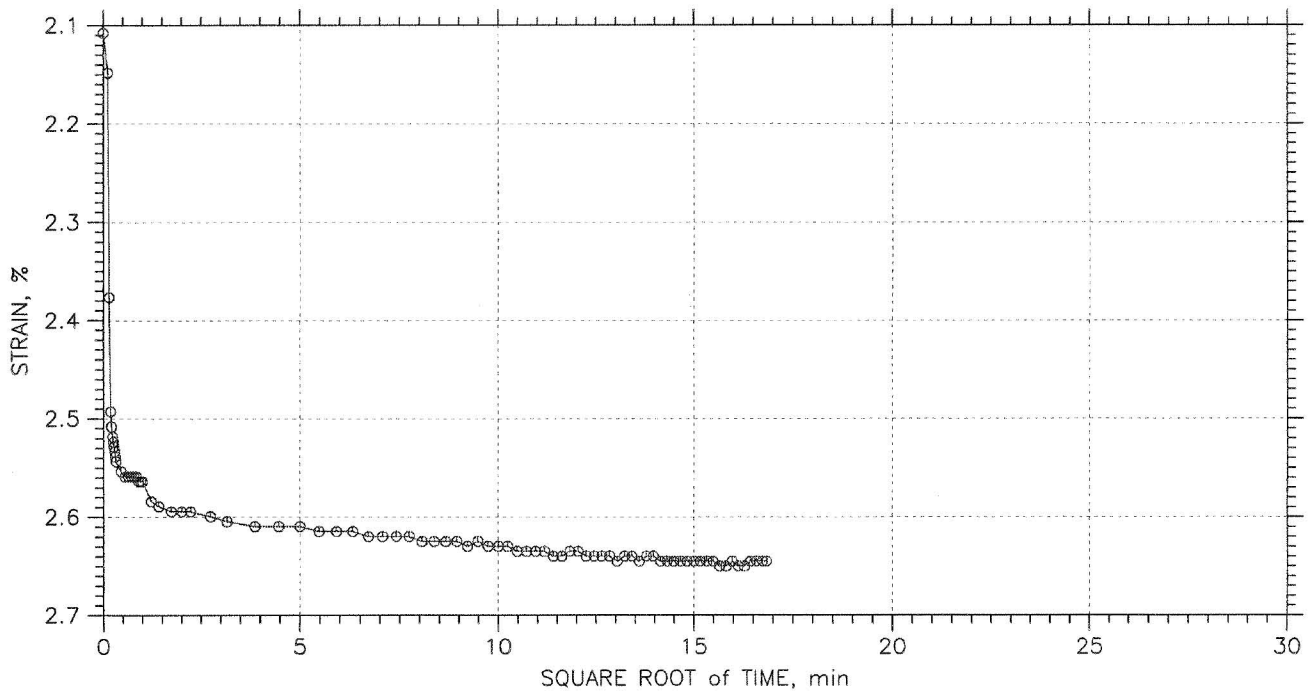
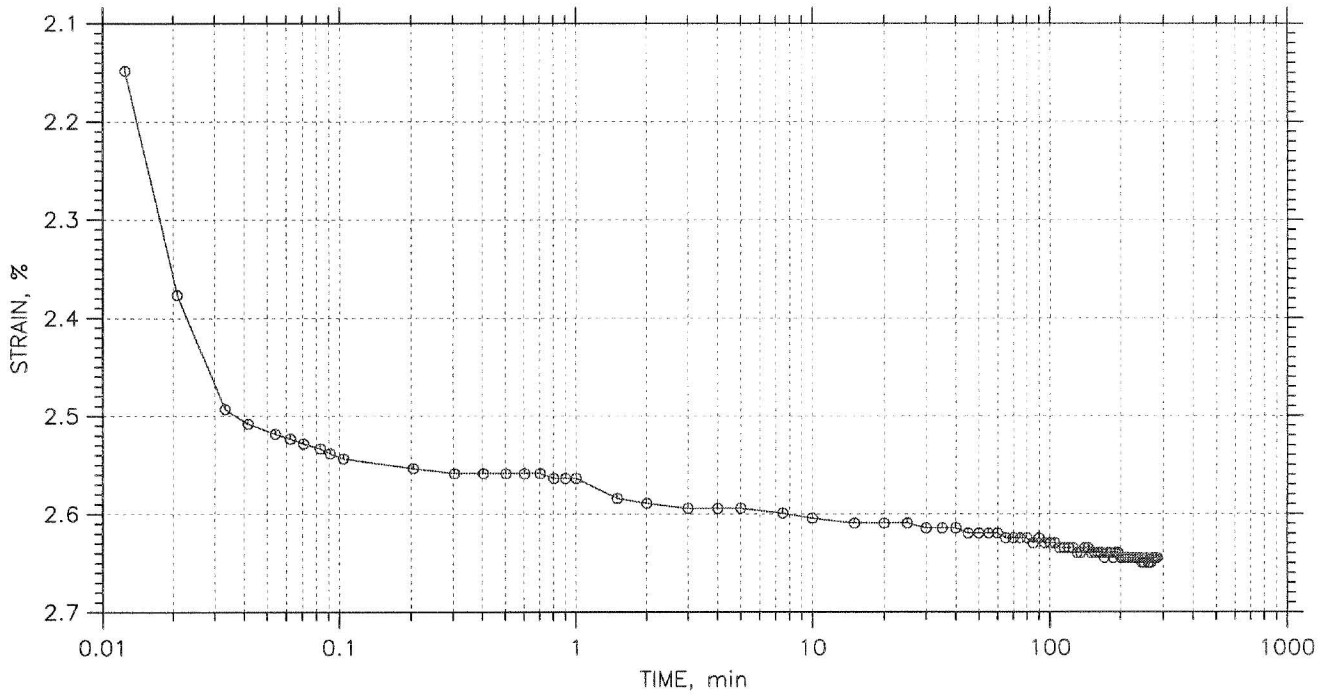
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 11 of 17

Stress: 8000. psf



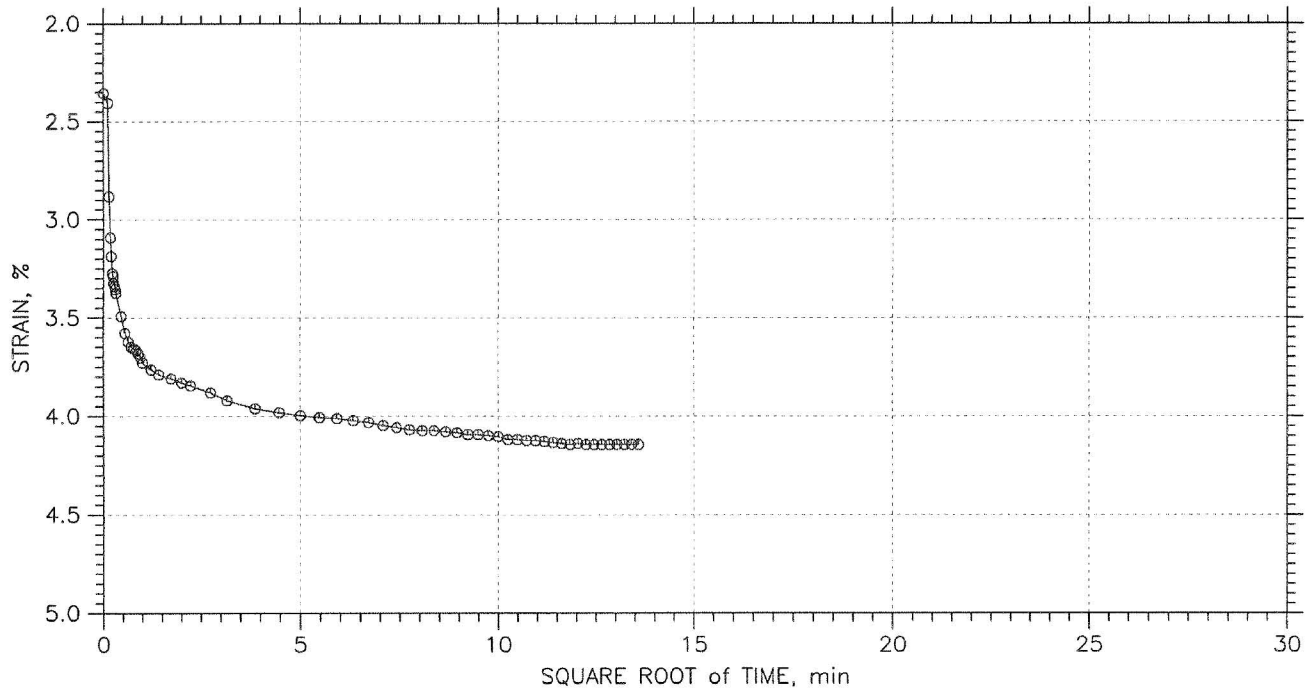
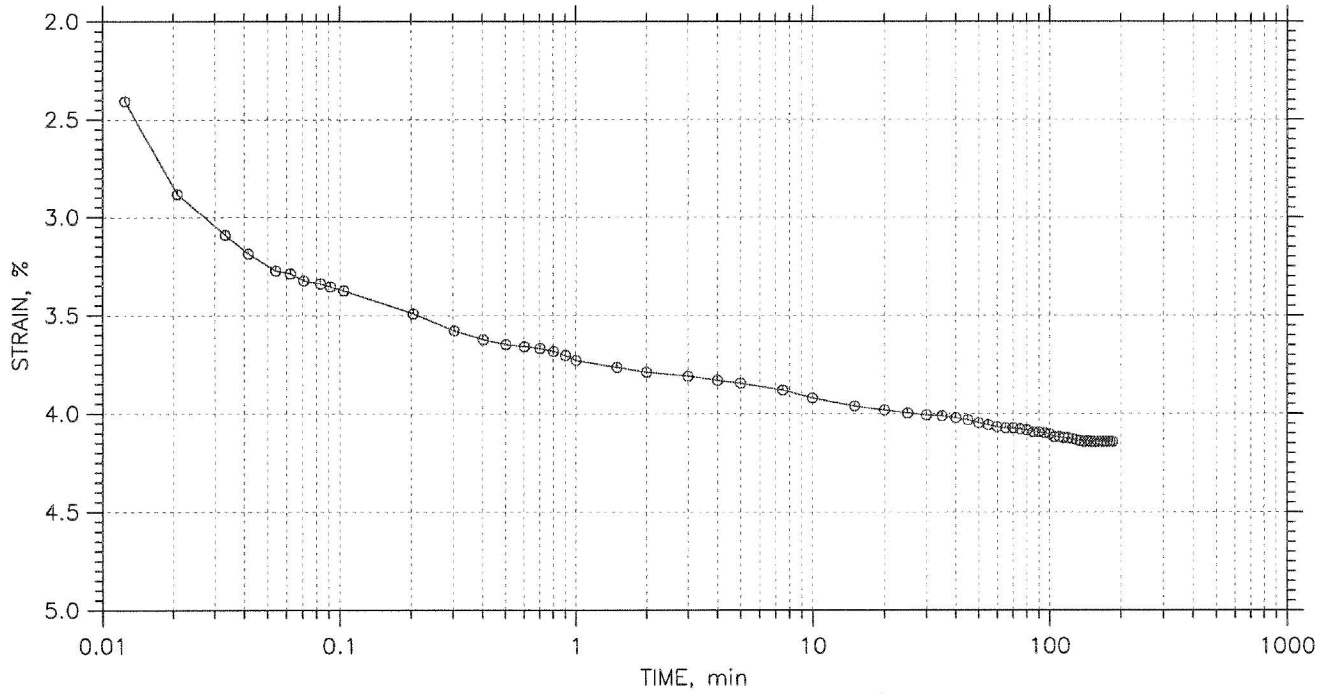
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 12 of 17

Stress: 16000 psf



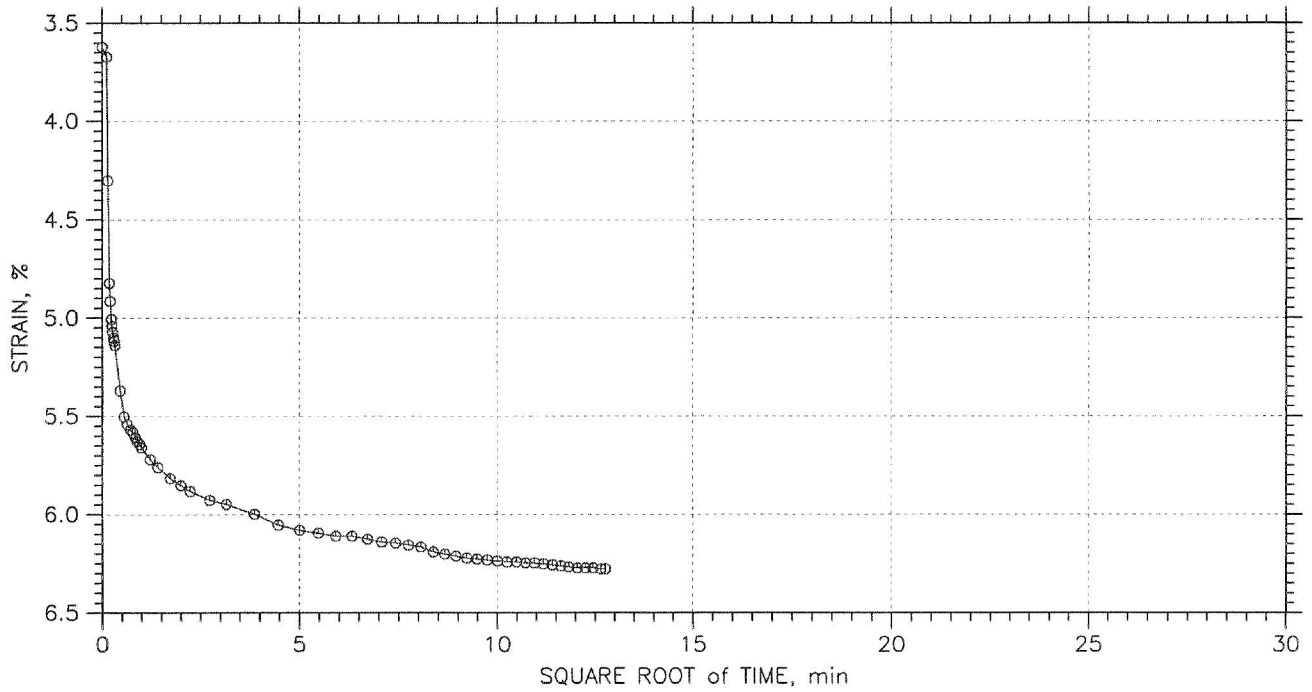
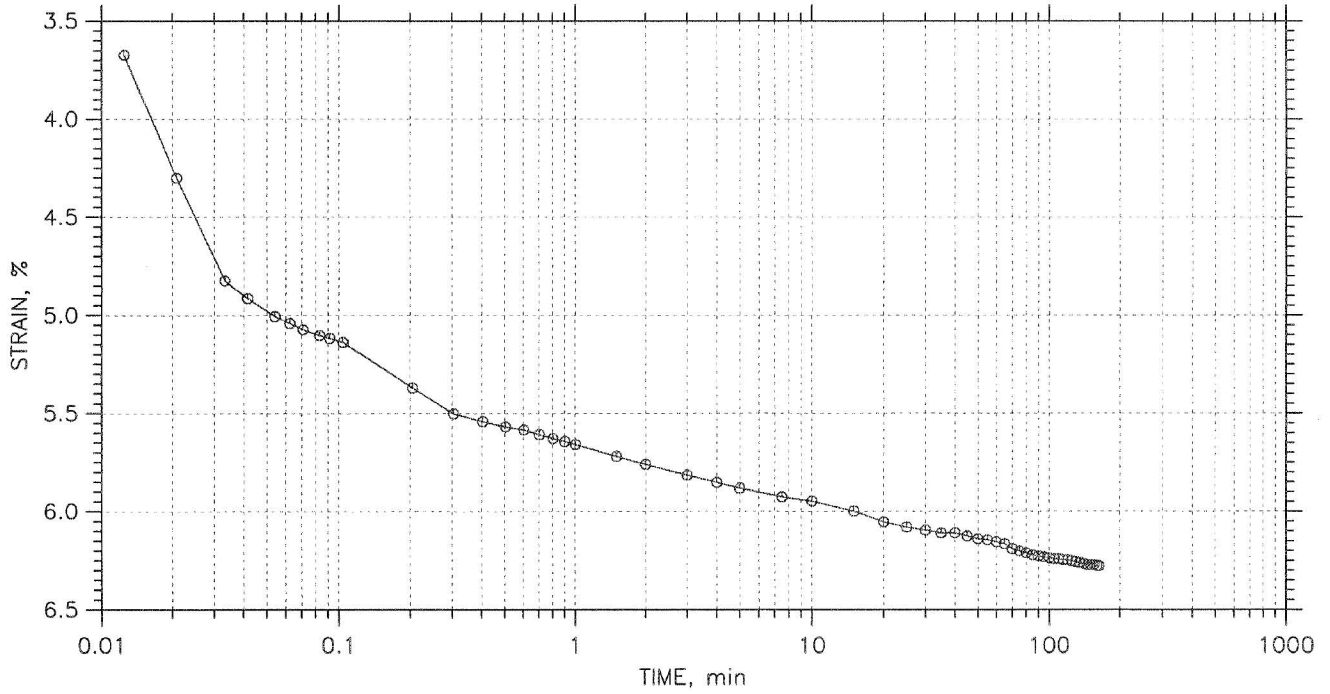
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 13 of 17

Stress: 32000 psf



<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

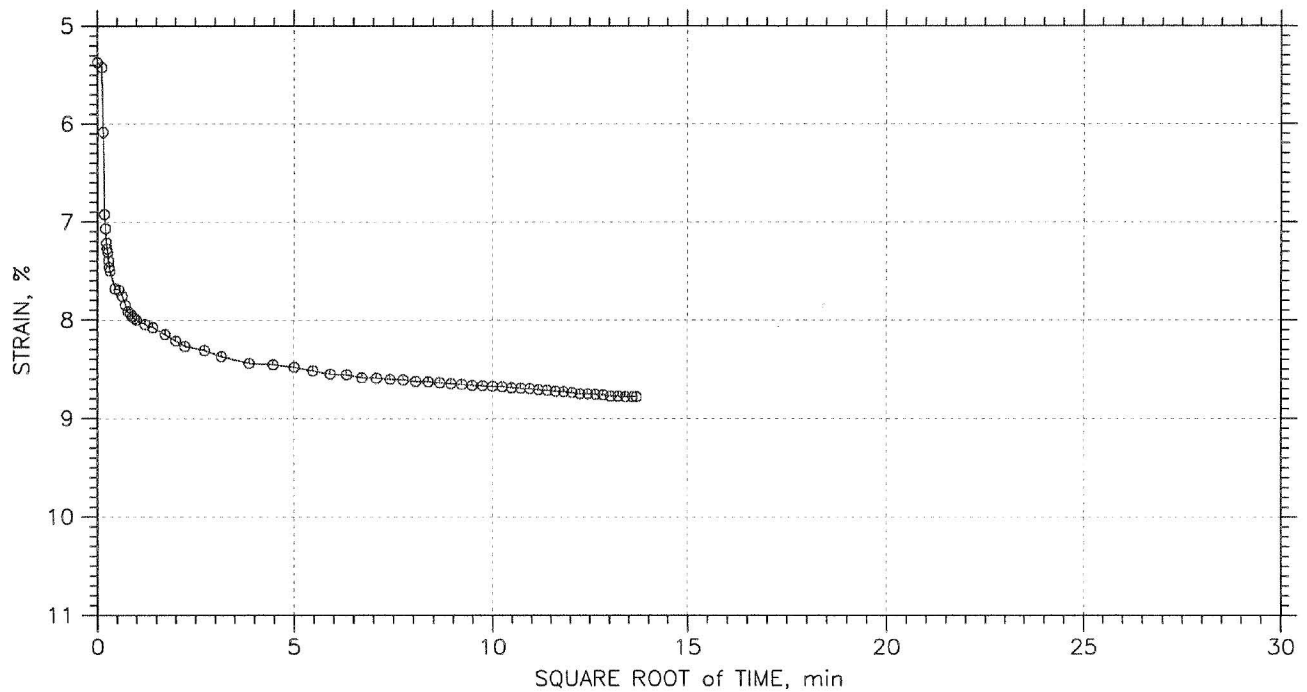
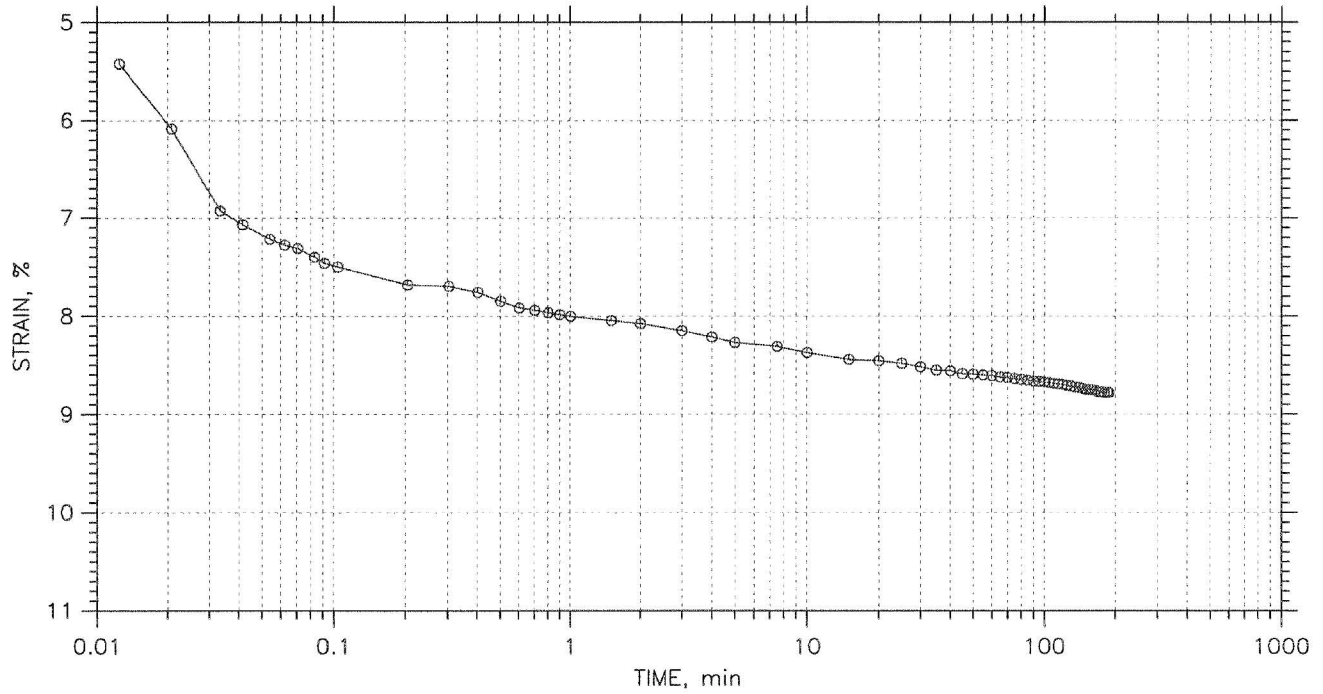


# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 14 of 17

Stress: 64000 psf



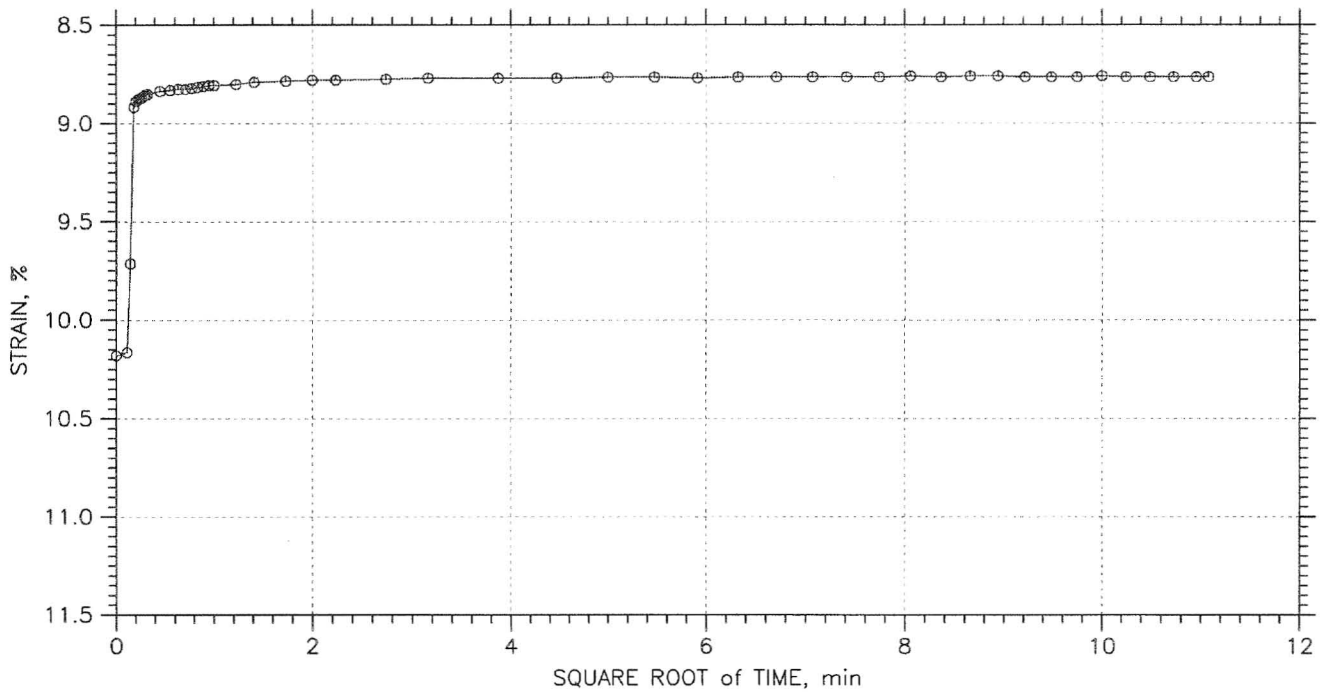
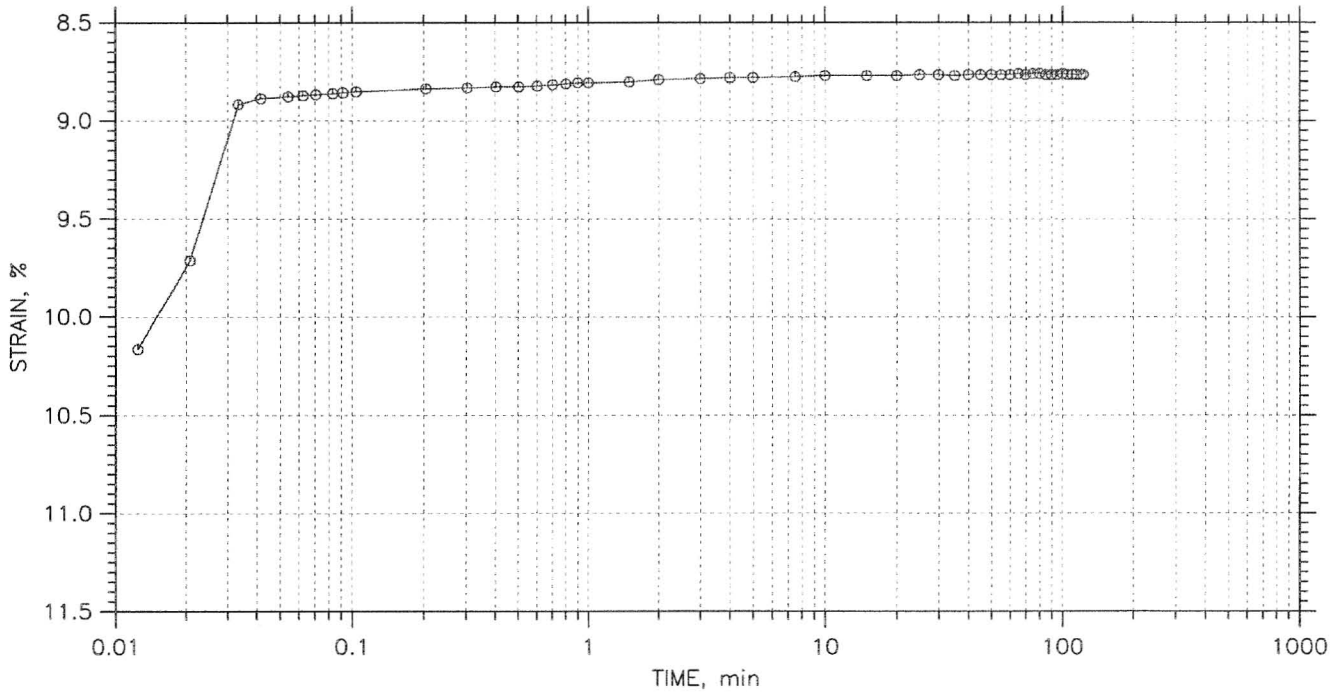
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 15 of 17

Stress: 16000 psf



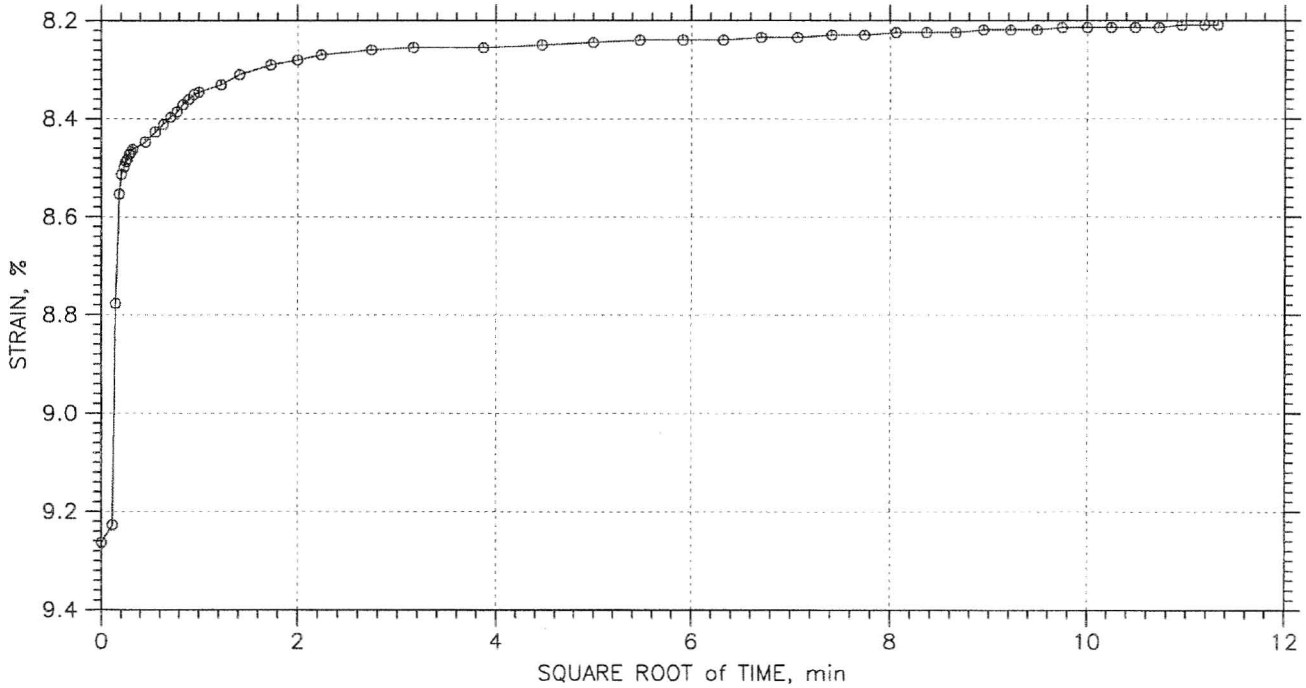
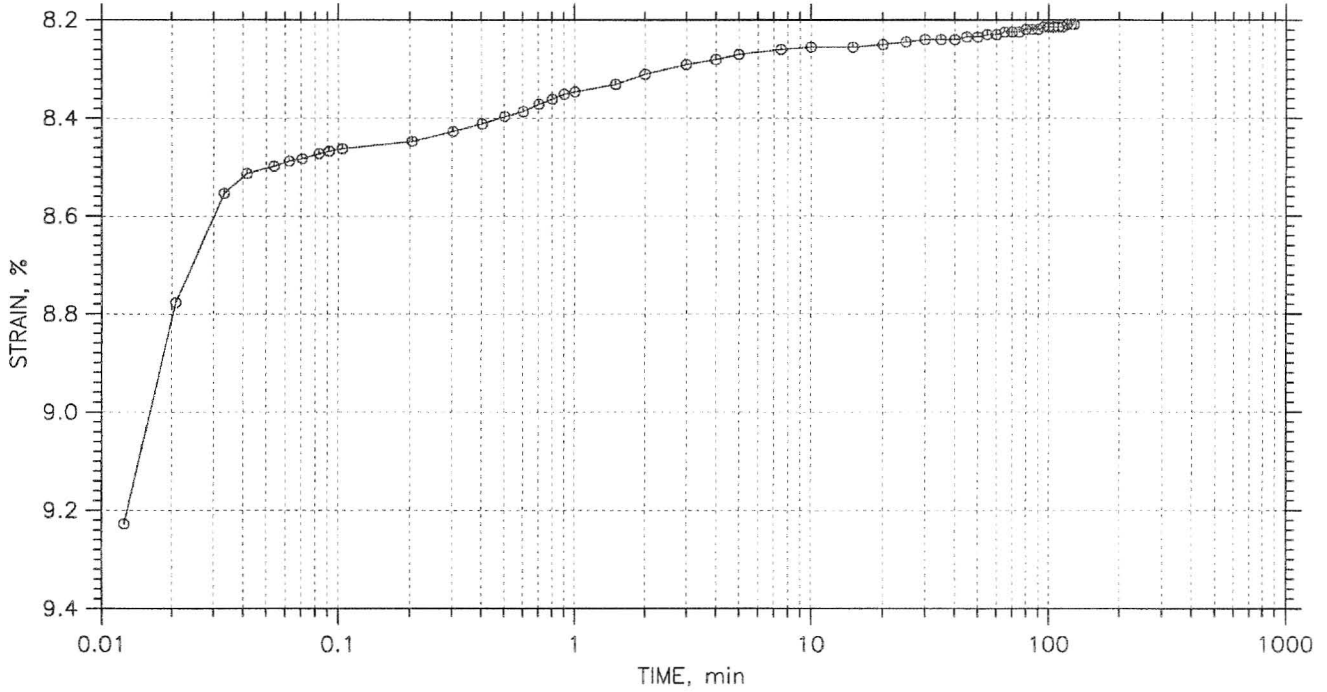
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 16 of 17

Stress: 4000. psf



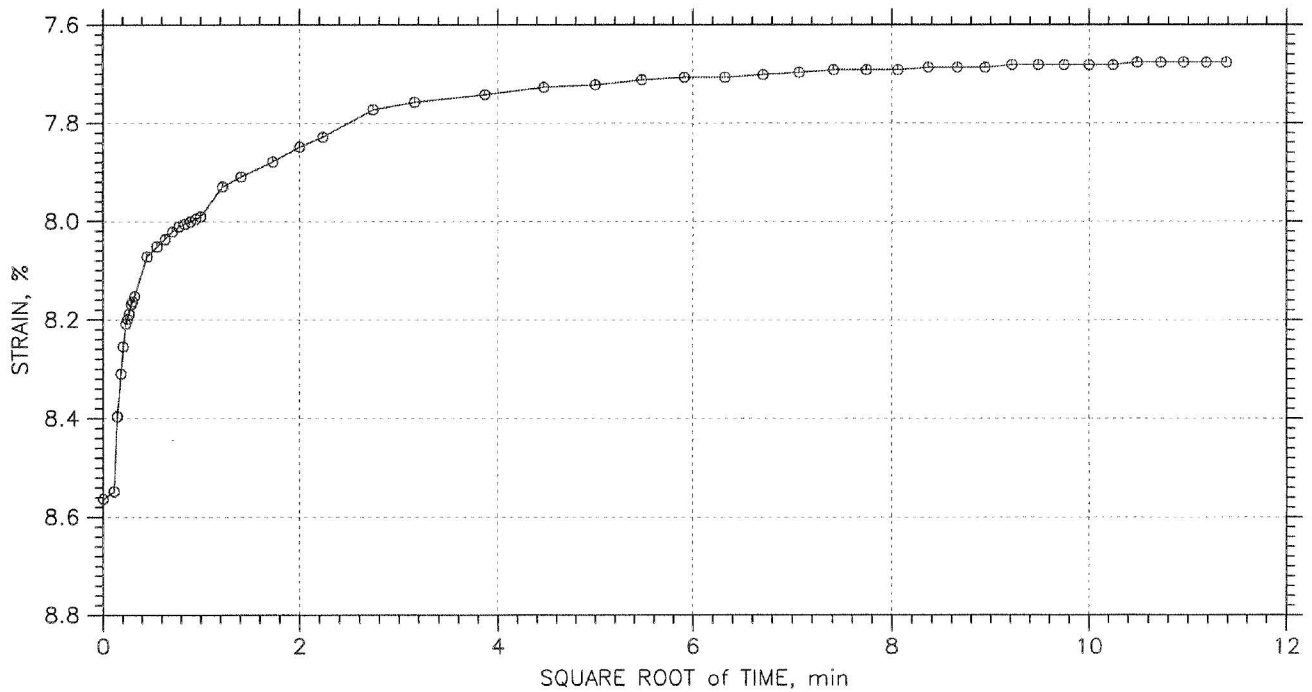
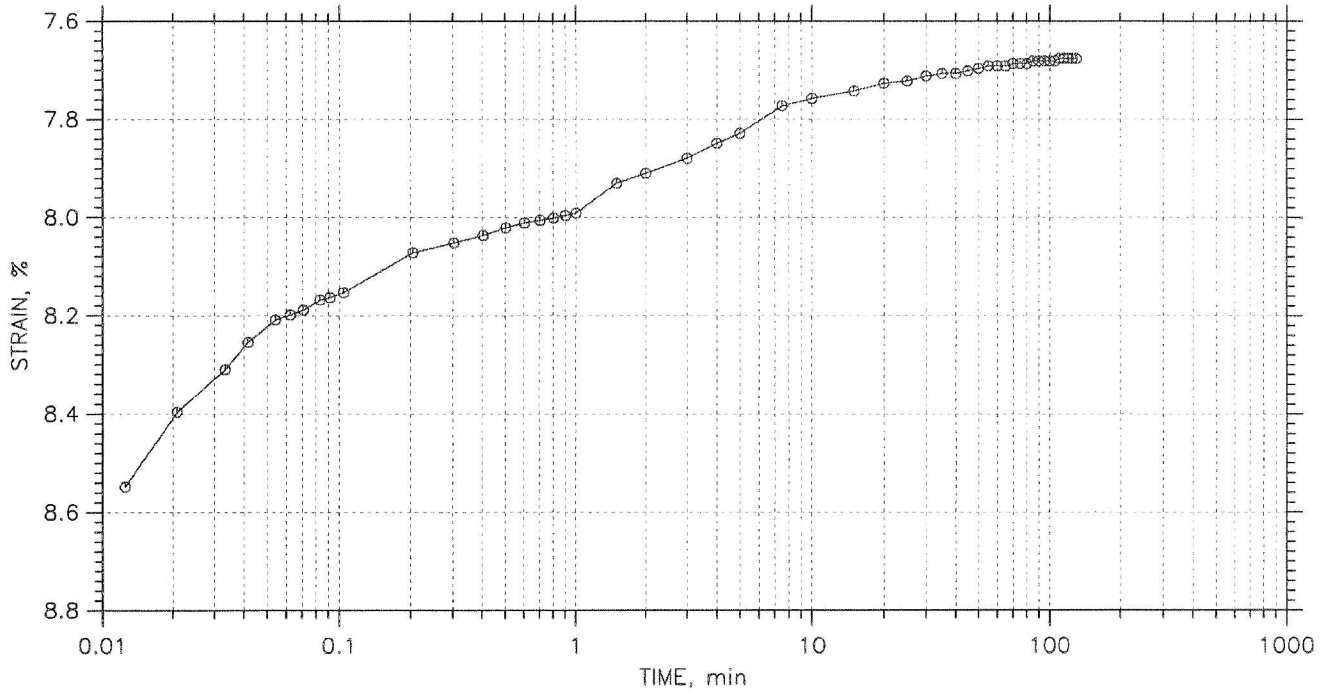
<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## TIME CURVES

Constant Load Step: 17 of 17

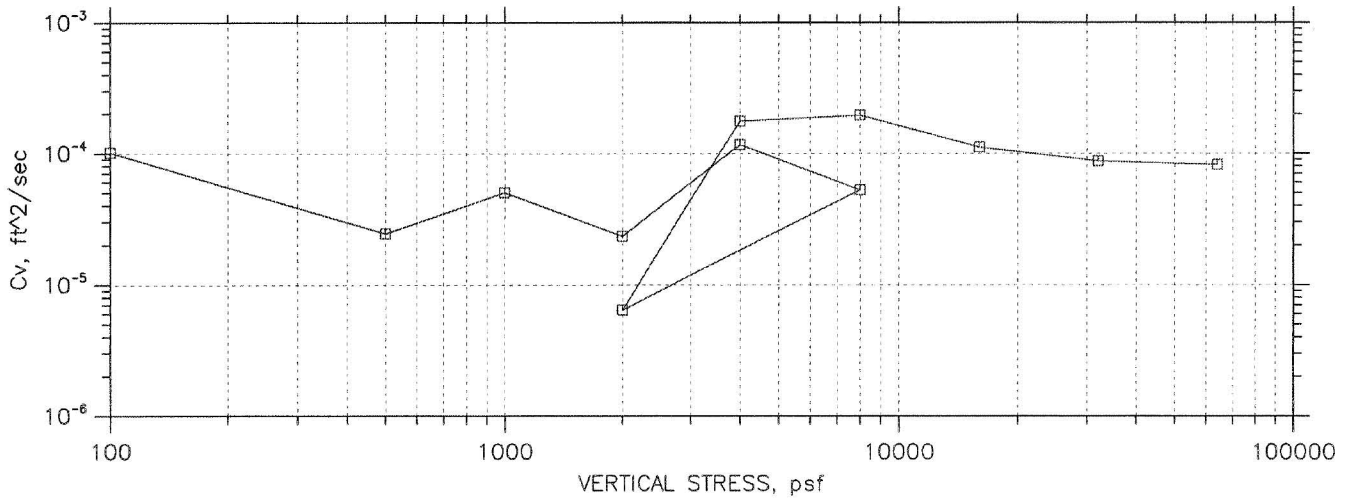
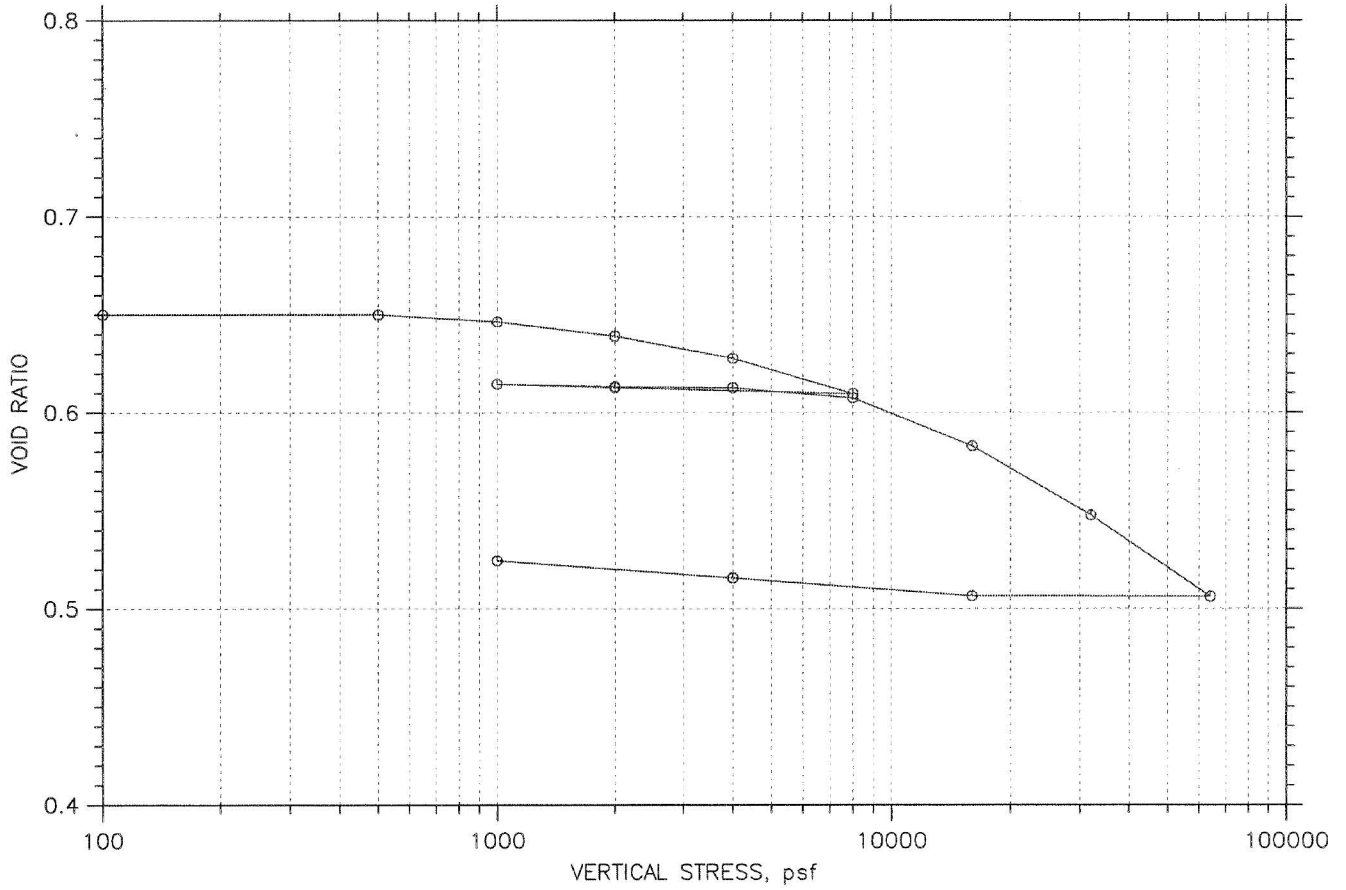
Stress: 1000. psf



<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

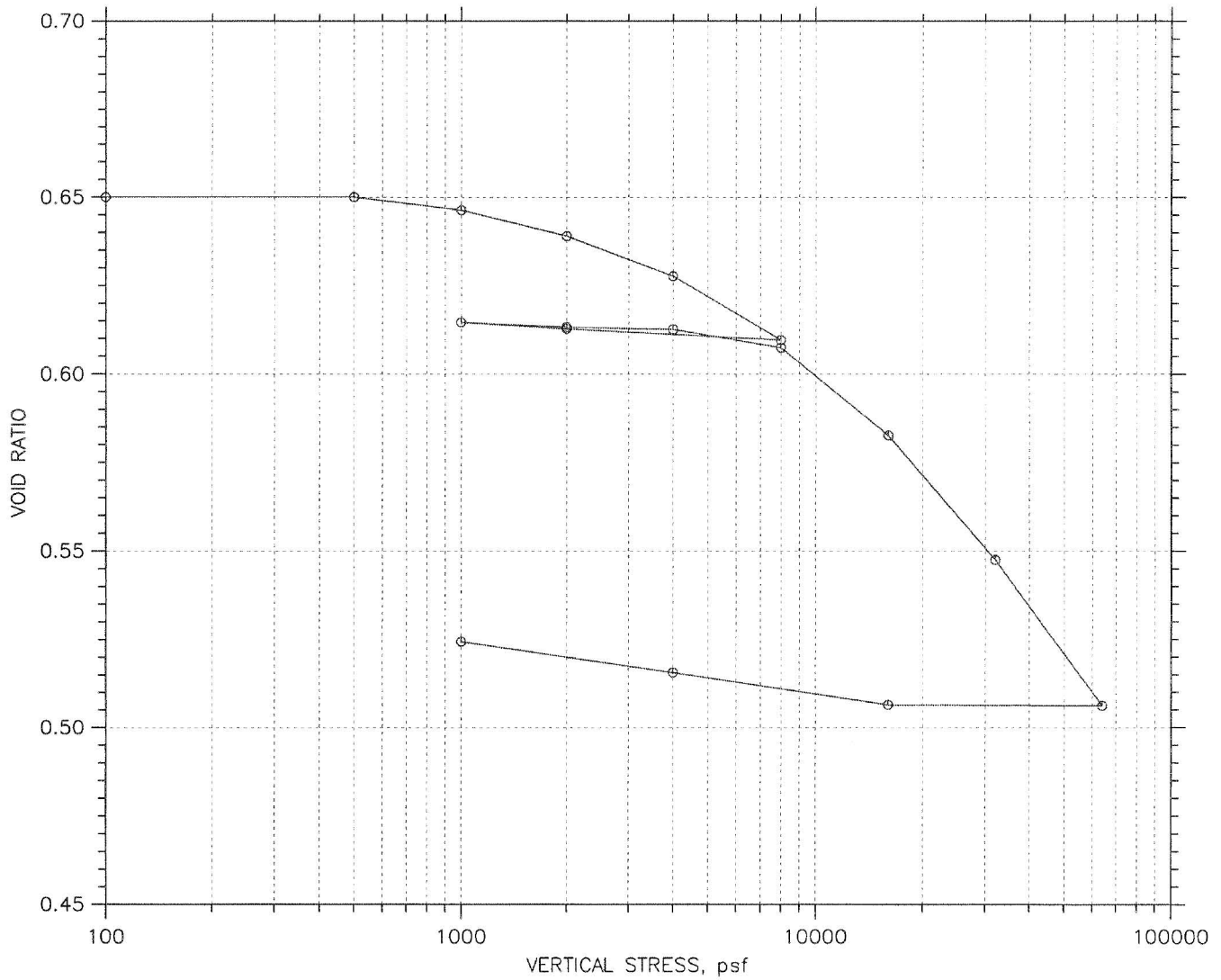
## SUMMARY REPORT



<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

# CONSOLIDATION TEST DATA

## SUMMARY REPORT



		Before Test	After Test
Overburden Pressure: 0 psf		18.82	19.19
Preconsolidation Pressure: 0 psf		102.1	110.6
Compression Index: 0		78.02	98.80
Diameter: 2.5 in	Height: 1 in	Void Ratio	
		0.65	0.52
LL: 53	PL: 27	PI: 26	GS: 2.70

<b>MACTEC</b>	Project: Vogtle COL	Location: B-4007	Project No.: 6141060286
	Boring No.: B-4007	Tested By: HJ	Checked By: JW
	Sample No.: UD-2	Test Date: 6/08/07	Depth: 118.50'
	Test No.: 7569	Sample Type: Undisturbed	Elevation: 99.40'
	Description: CLAY, sandy (CH)		
	Remarks:		

CONSOLIDATION TEST DATA

Project: Vogtle COL  
 Boring No.: B-4007  
 Sample No.: UD-2  
 Test No.: 7569

Location: B-4007  
 Tested By: HJ  
 Test Date: 6/08/07  
 Sample Type: Undisturbed

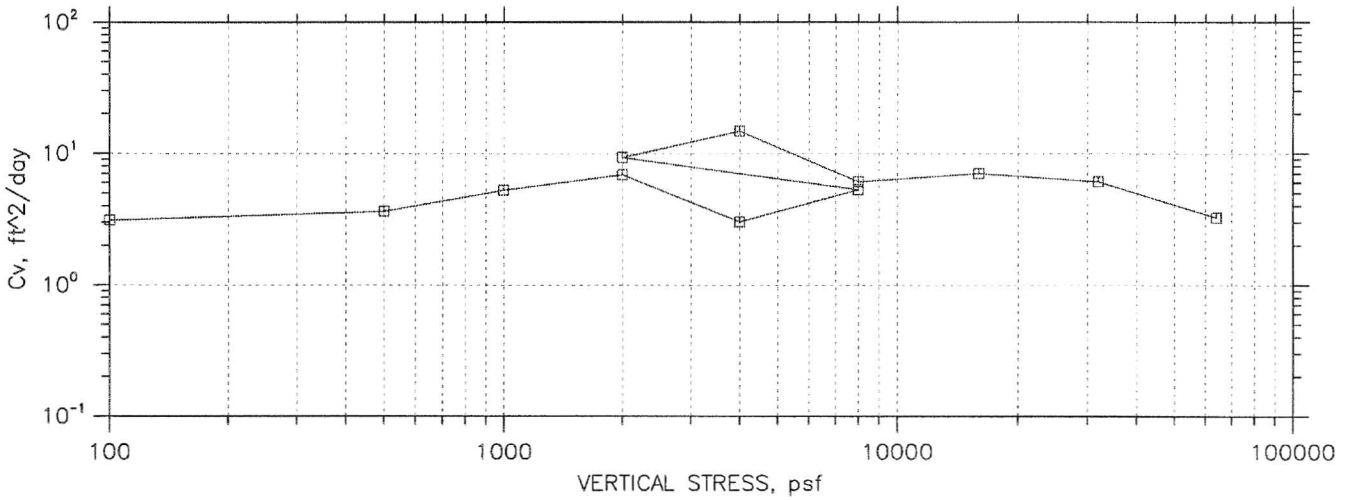
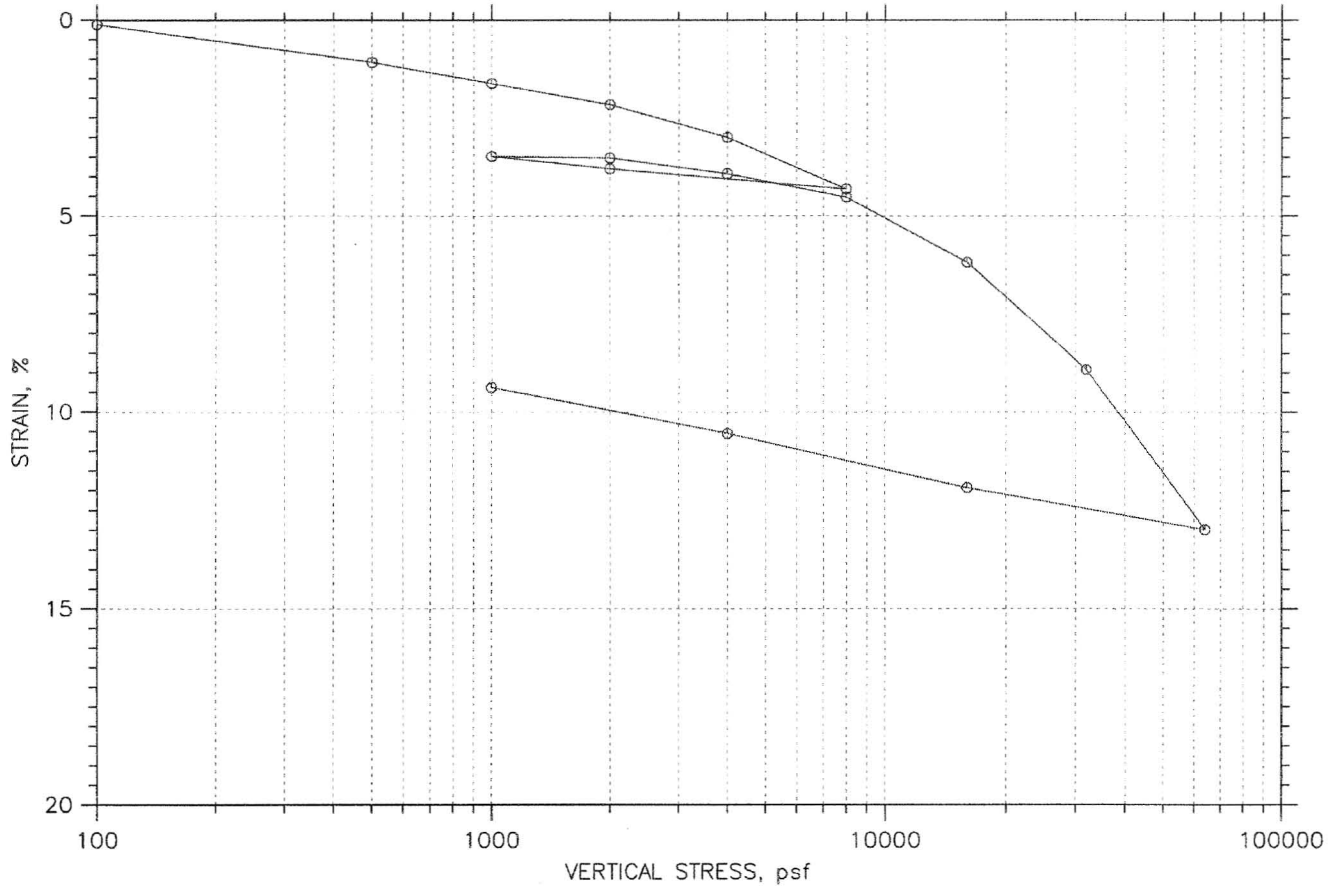
Project No.: 6141060286  
 Checked By: JW  
 Depth: 118.50'  
 Elevation: 99.40'

Soil Description: CLAY, sandy (CH)  
 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> /sec	Log ft <sup>2</sup> /sec	Ave. ft <sup>2</sup> /sec
1	100	0.0006351	0.650	0.06	0.1	0.0	1.02e-004	0.00e+000	1.02e-004
2	500	0.0006429	0.650	0.06	0.3	0.1	1.70e-005	4.37e-005	2.45e-005
3	1e+003	0.00288	0.646	0.29	0.1	0.1	3.83e-005	7.32e-005	5.03e-005
4	2e+003	0.007294	0.639	0.73	0.4	0.1	1.32e-005	1.04e-004	2.34e-005
5	4e+003	0.01417	0.628	1.42	0.1	0.0	1.08e-004	1.26e-004	1.16e-004
6	8e+003	0.02513	0.610	2.51	0.2	0.0	3.17e-005	1.56e-004	5.27e-005
7	2e+003	0.0232	0.613	2.32	0.0	0.0	2.81e-004	0.00e+000	2.81e-004
8	1e+003	0.02208	0.615	2.21	0.1	0.0	7.96e-005	0.00e+000	7.96e-005
9	2e+003	0.0229	0.613	2.29	0.8	0.0	6.46e-006	0.00e+000	6.46e-006
10	4e+003	0.02331	0.613	2.33	0.0	0.0	1.77e-004	0.00e+000	1.77e-004
11	8e+003	0.02645	0.607	2.65	0.0	0.0	1.95e-004	0.00e+000	1.95e-004
12	1.6e+004	0.04144	0.583	4.14	0.1	0.0	8.12e-005	1.77e-004	1.11e-004
13	3.2e+004	0.06278	0.547	6.28	0.1	0.0	5.79e-005	1.79e-004	8.75e-005
14	6.4e+004	0.08781	0.506	8.78	0.1	0.0	5.50e-005	1.61e-004	8.20e-005
15	1.6e+004	0.08766	0.506	8.77	0.0	0.0	1.61e-004	0.00e+000	1.61e-004
16	4e+003	0.08209	0.516	8.21	0.0	0.0	2.43e-004	2.00e-004	2.19e-004
17	1e+003	0.07677	0.524	7.68	0.2	0.0	2.02e-005	0.00e+000	2.02e-005

# CONSOLIDATION TEST DATA

## SUMMARY REPORT

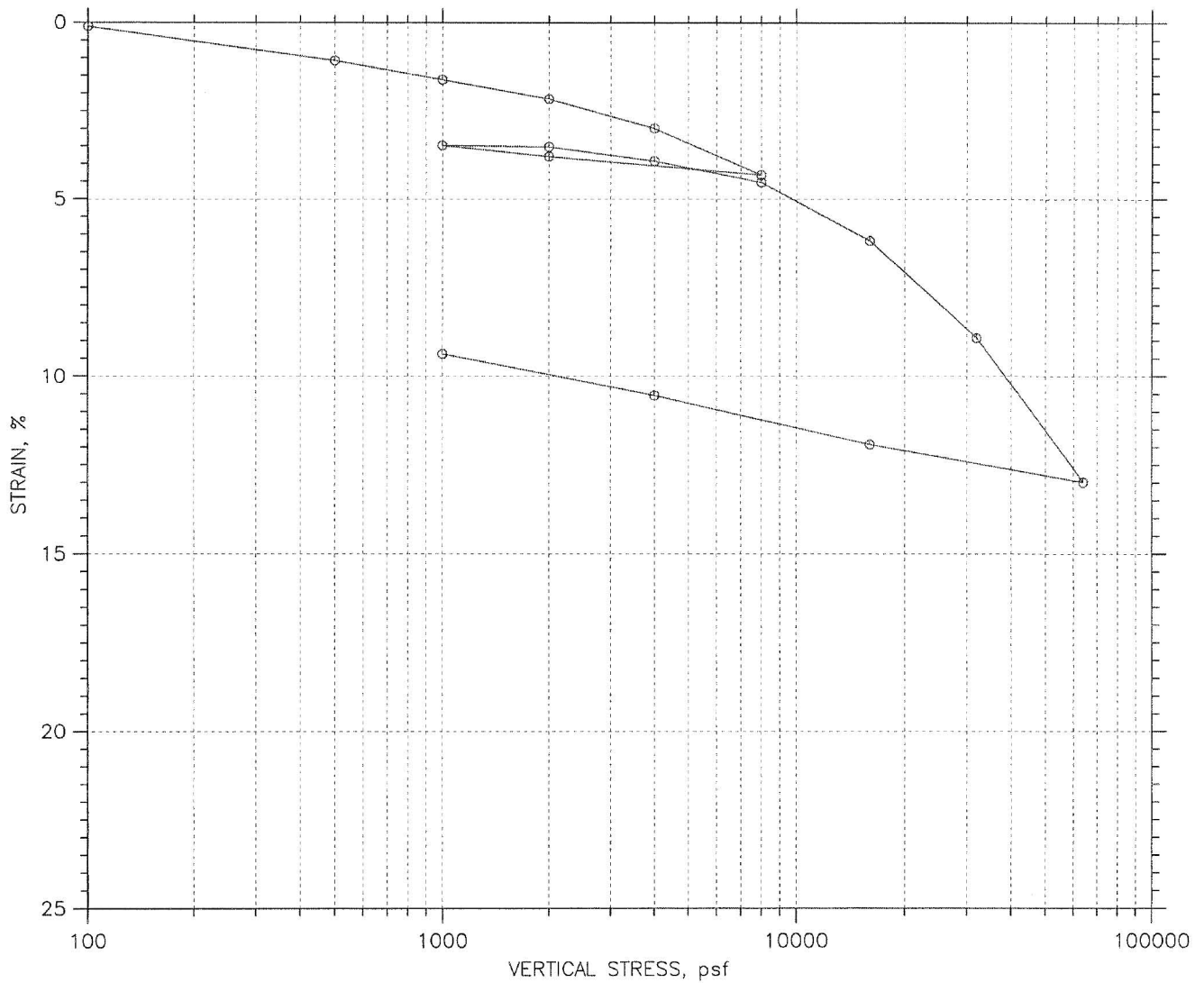


<b>MACTEC</b>	Project: Vogtle COL	Location: B-4008	Project No.: 6141060286
	Boring No.: B-4008	Tested By: HJ	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-3	Test Date: 6/12/07	Depth: 123.50'
	Test No.: 7573	Sample Type: Undisturbed	Elevation: 94.58'
	Description: CLAY (CH)		
	Remarks:		



# CONSOLIDATION TEST DATA

## SUMMARY REPORT

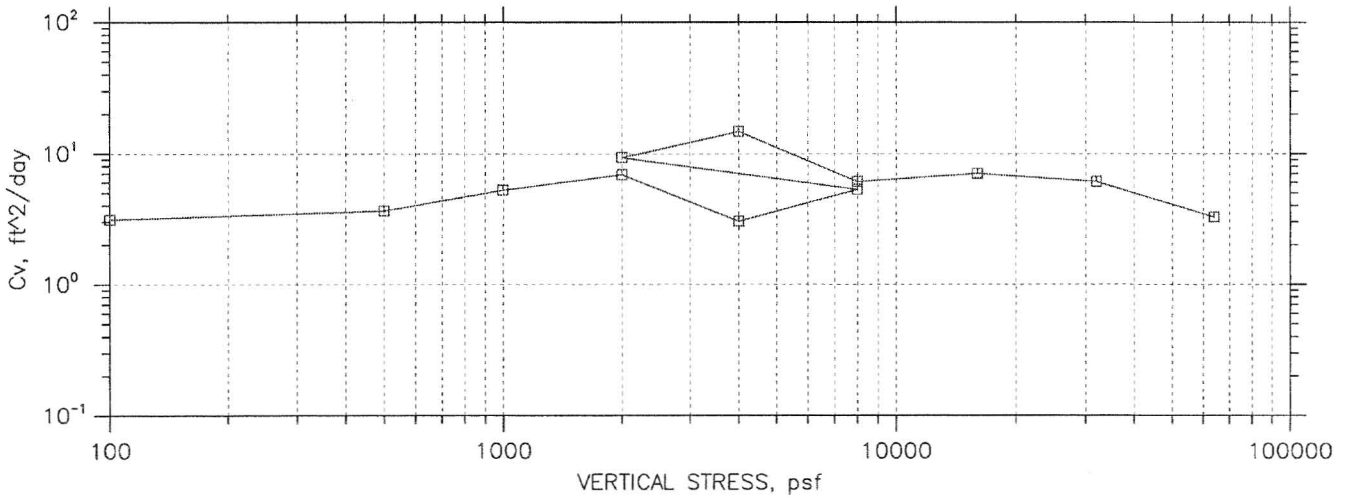
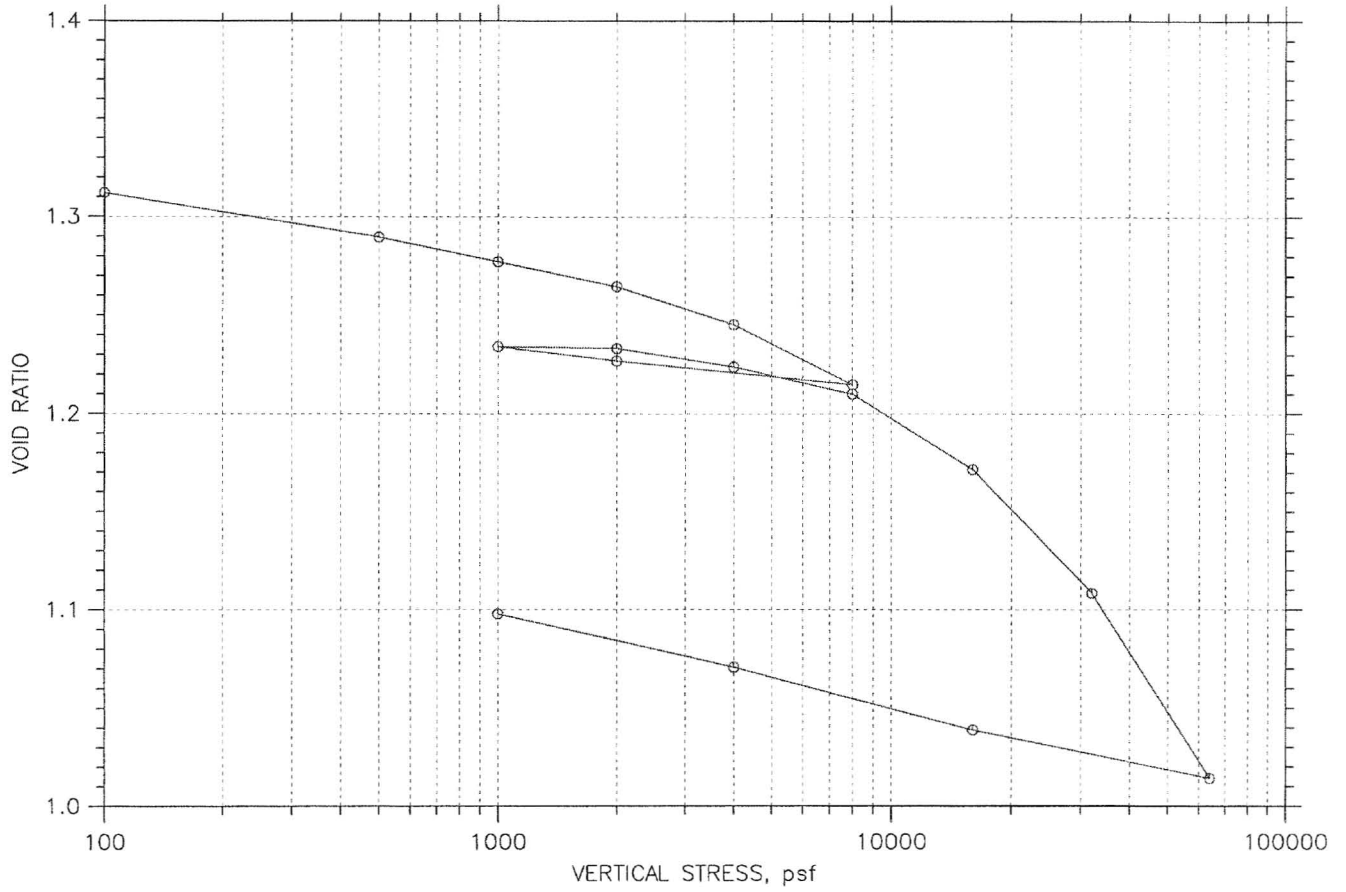


				Before Test	After Test
Overburden Pressure: 1.16e+004 psf				44.63	40.68
Preconsolidation Pressure: 0 psf				72.82	80.35
Compression Index: 0.26				91.67	100.05
Diameter: 2.5 in		Height: 1 in		1.31	1.10
LL: 76	PL: 35	PI: 41	GS: 2.70		

<b>MACTEC</b>	Project: Vogtle COL		Location: B-4008		Project No.: 6141060286	
	Boring No.: B-4008		Tested By: HJ		Checked By: JW <i>SW 10/30/07</i>	
	Sample No.: UD-3		Test Date: 6/12/07		Depth: 123.50'	
	Test No.: 7573		Sample Type: Undisturbed		Elevation: 94.58'	
	Description: CLAY (CH)					
	Remarks: Cr= 0.027					

# CONSOLIDATION TEST DATA

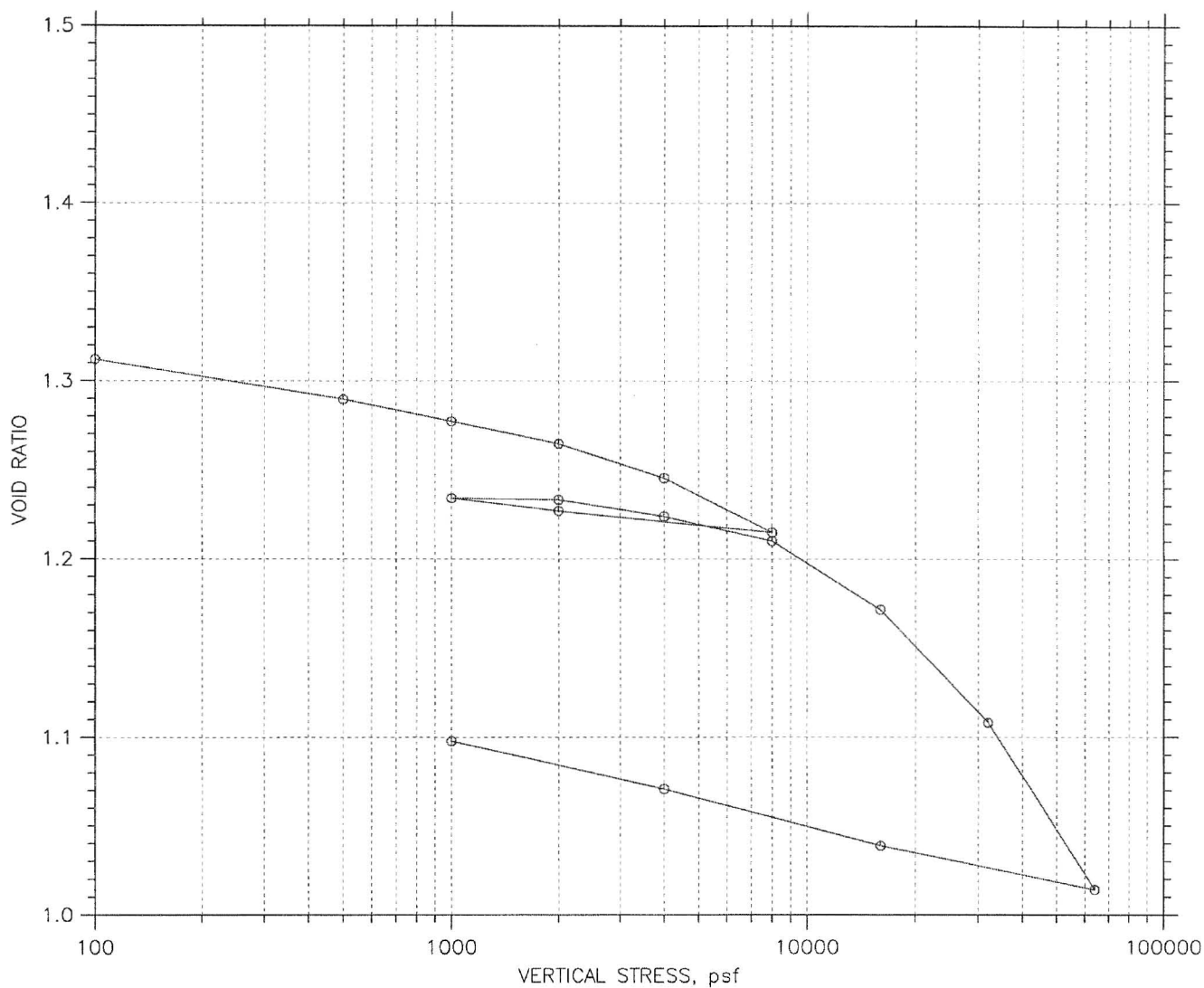
## SUMMARY REPORT



<b>MACTEC</b>	Project: Vogtle COL	Location: B-4008	Project No.: 6141060286
	Boring No.: B-4008	Tested By: HJ	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-3	Test Date: 6/12/07	Depth: 123.50'
	Test No.: 7573	Sample Type: Undisturbed	Elevation: 94.58'
	Description: CLAY (CH)		
	Remarks: Cr= 0.027		

# CONSOLIDATION TEST DATA

## SUMMARY REPORT



		Before Test	After Test
Overburden Pressure: 1.16e+004 psf		44.63	40.68
Preconsolidation Pressure: 0 psf		72.82	80.35
Compression Index: 0.26		91.67	100.05
Diameter: 2.5 in	Height: 1 in	Void Ratio	
		1.31	1.10
LL: 76	PL: 35	PI: 41	GS: 2.70

<b>MACTEC</b>	Project: Vogtle COL	Location: B-4008	Project No.: 6141060286
	Boring No.: B-4008	Tested By: HJ	Checked By: JW <i>JW 10/30/07</i>
	Sample No.: UD-3	Test Date: 6/12/07	Depth: 123.50'
	Test No.: 7573	Sample Type: Undisturbed	Elevation: 94.58'
	Description: CLAY (CH)		
	Remarks: Cr= 0.027		

CONSOLIDATION TEST DATA

Project: Vogtle COL  
 Boring No.: B-4008  
 Sample No.: UD-3  
 Test No.: 7573

Location: B-4008  
 Tested By: HJ  
 Test Date: 6/12/07  
 Sample Type: Undisturbed

Project No.: 6141060286  
 Checked By: JW  
 Depth: 123.50'  
 Elevation: 94.58'

Soil Description: CLAY (CH)  
 Remarks: Cr= 0.027

	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	0.00111	1.312	0.11	0.2	0.0	3.11e+000	0.00e+000	3.11e+000
2	500	0.01081	1.290	1.08	0.1	0.1	3.66e+000	3.61e+000	3.64e+000
3	1e+003	0.01619	1.277	1.62	0.1	0.1	5.41e+000	5.12e+000	5.26e+000
4	2e+003	0.02162	1.265	2.16	0.1	0.1	6.56e+000	7.29e+000	6.91e+000
5	4e+003	0.02994	1.245	2.99	0.2	0.1	1.92e+000	7.13e+000	3.03e+000
6	8e+003	0.04313	1.215	4.31	0.1	0.1	4.08e+000	7.64e+000	5.32e+000
7	2e+003	0.03793	1.227	3.79	0.0	0.0	1.36e+001	0.00e+000	1.36e+001
8	1e+003	0.03481	1.234	3.48	0.0	0.0	9.83e+000	9.83e+000	9.83e+000
9	2e+003	0.0352	1.233	3.52	0.0	0.0	9.28e+000	0.00e+000	9.28e+000
10	4e+003	0.03922	1.224	3.92	0.0	0.0	1.47e+001	0.00e+000	1.47e+001
11	8e+003	0.04518	1.210	4.52	0.1	0.0	6.10e+000	0.00e+000	6.10e+000
12	1.6e+004	0.06183	1.172	6.18	0.1	0.0	5.05e+000	1.17e+001	7.04e+000
13	3.2e+004	0.08918	1.108	8.92	0.1	0.0	4.27e+000	1.08e+001	6.13e+000
14	6.4e+004	0.1299	1.014	12.99	0.2	0.1	2.06e+000	7.79e+000	3.26e+000
15	1.6e+004	0.1192	1.039	11.92	0.0	0.0	1.22e+001	0.00e+000	1.22e+001
16	4e+003	0.1054	1.071	10.54	0.2	0.0	2.40e+000	1.21e+001	4.01e+000
17	1e+003	0.09372	1.098	9.37	1.1	0.3	3.61e-001	1.15e+000	5.49e-001