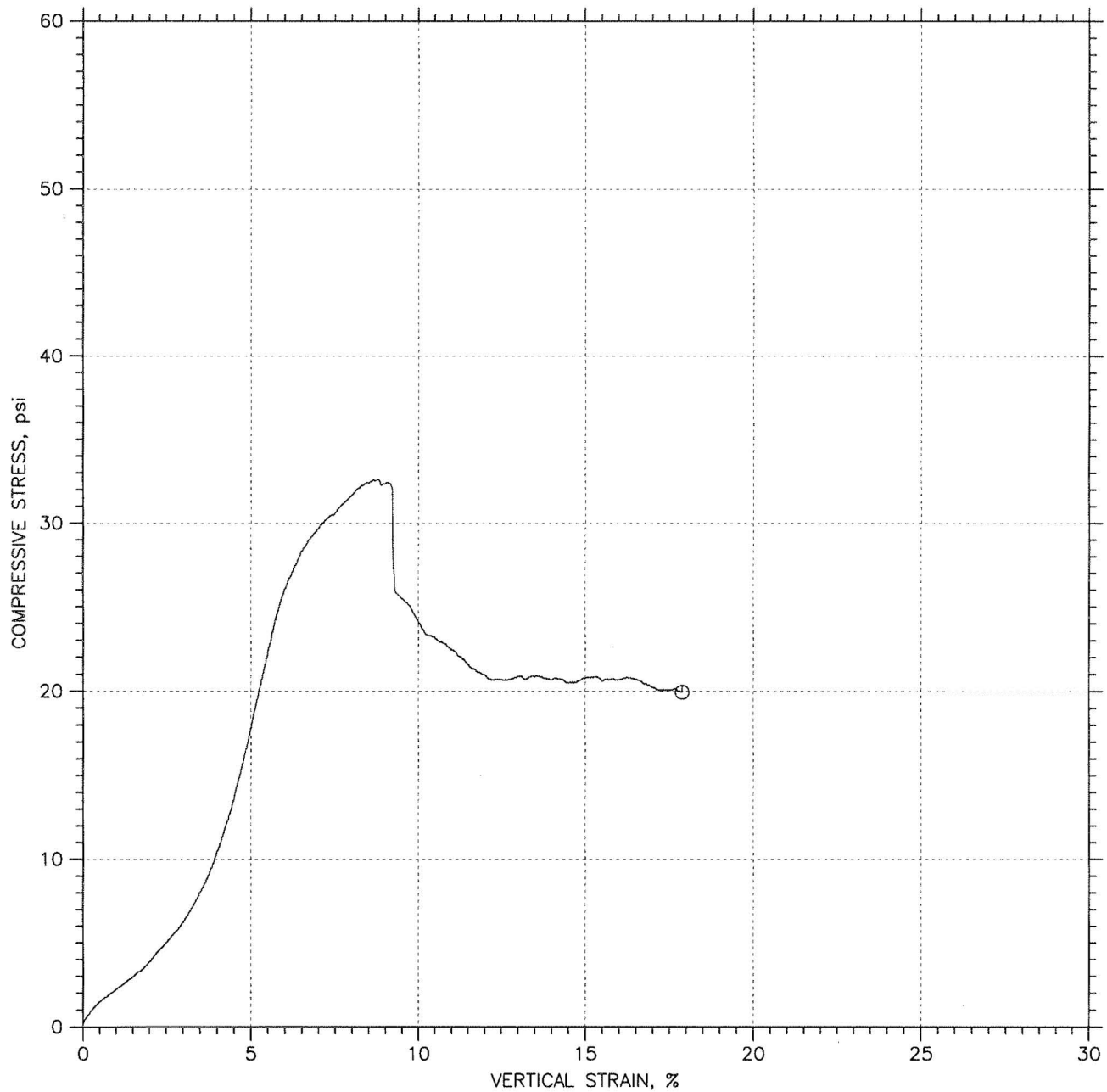
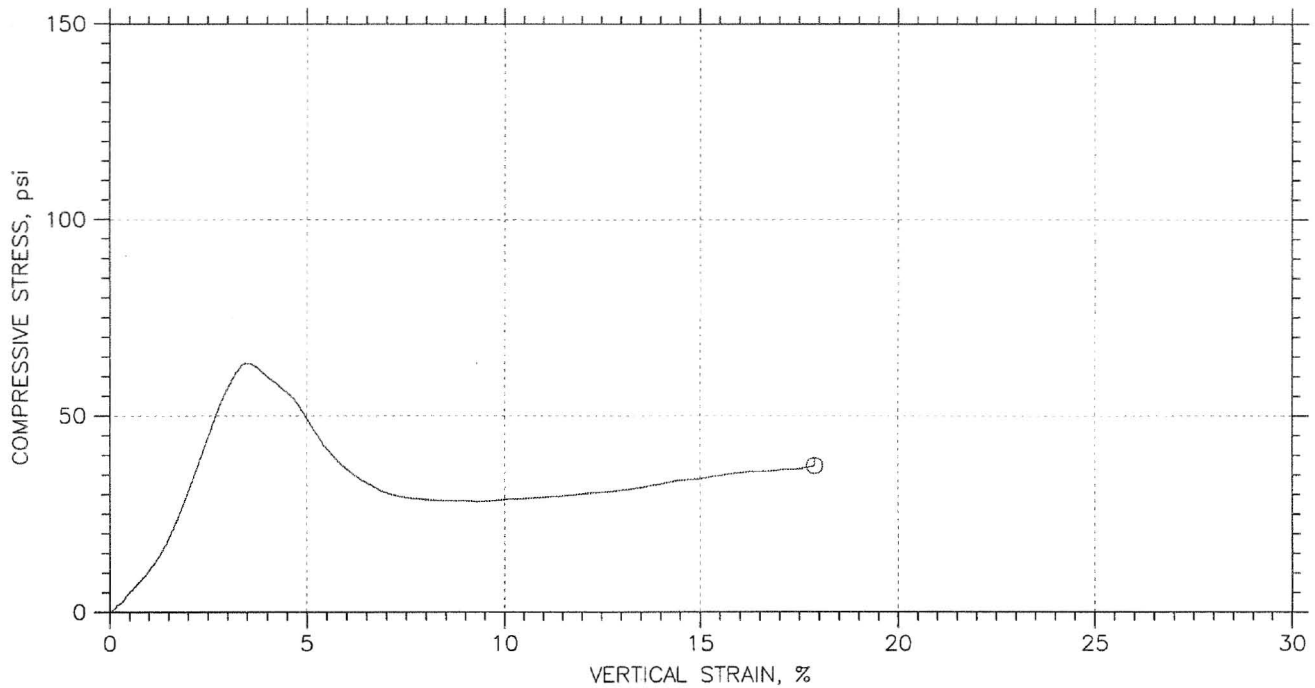


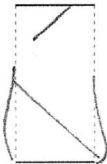
UNCONFINED COMPRESSION TEST REPORT



 Engineering and Construction Solutions The MACTEC Group, Inc. 10000 Chesapeake Drive, Suite 200, Richmond, VA 23234	Project: Votgle COL	Location: B-4001 UD-3	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-3	Test Date: 6/14/07	Depth: 118.5'
	Test No.: 7550	Sample Type: Undisturbed	Elevation: 100.38'
	Description: SAND, silty (SM)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
			HJ 7/30/07

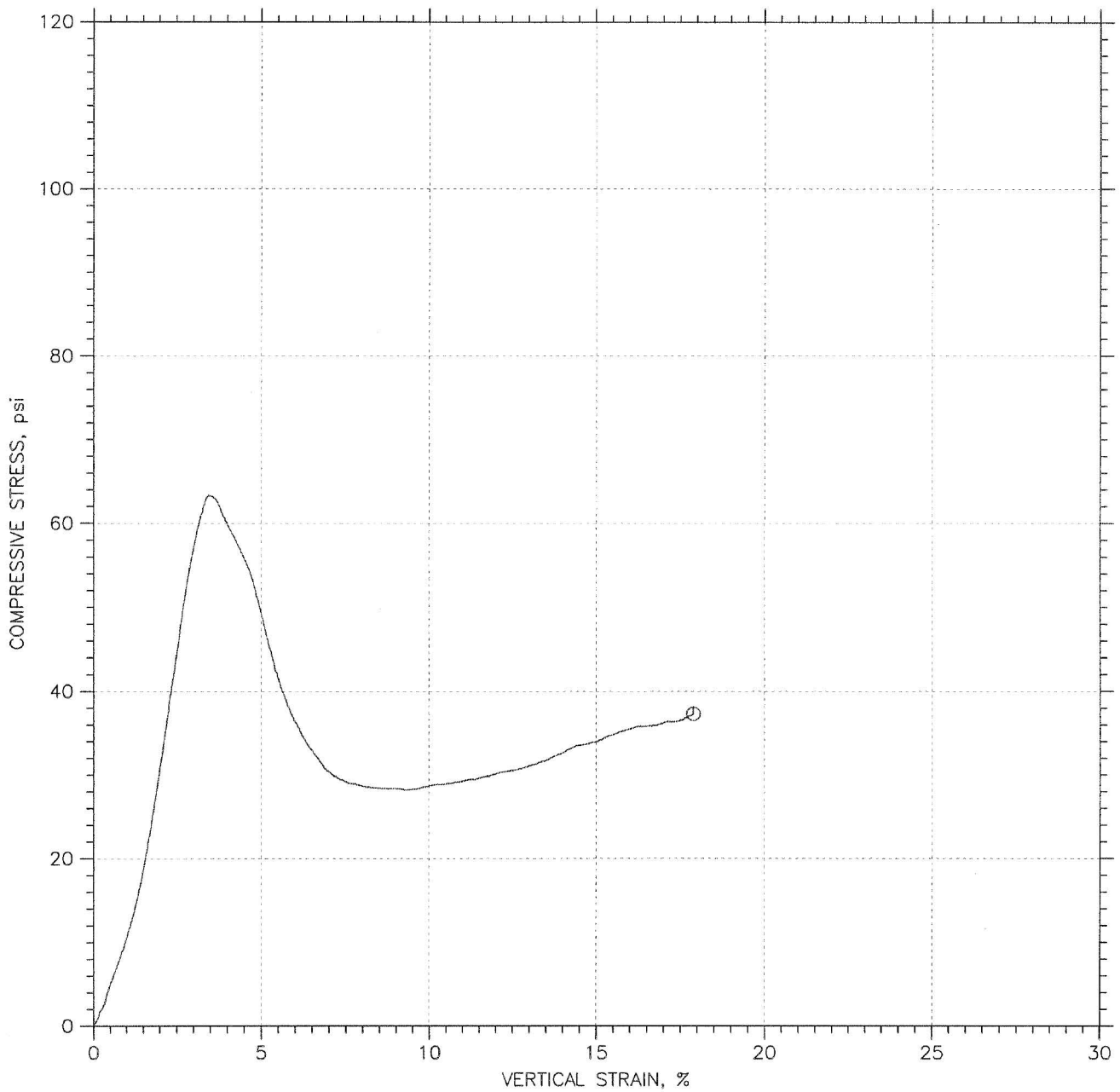
UNCONFINED COMPRESSION TEST REPORT



Symbol	⊙			
Test No.	7551			
Initial	Diameter, in	2.8675		
	Height, in	5.5915		
	Water Content, %	15.37		
	Dry Density, pcf	114.9		
	Saturation, %	88.92		
	Void Ratio	0.467		
Unconfined Compressive Strength, psi		63.38		
Undrained Shear Strength, psi		31.69		
Time to Failure, min		3.4542		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		50		
Plastic Limit		28		
Plasticity Index		22		
Failure Sketch				

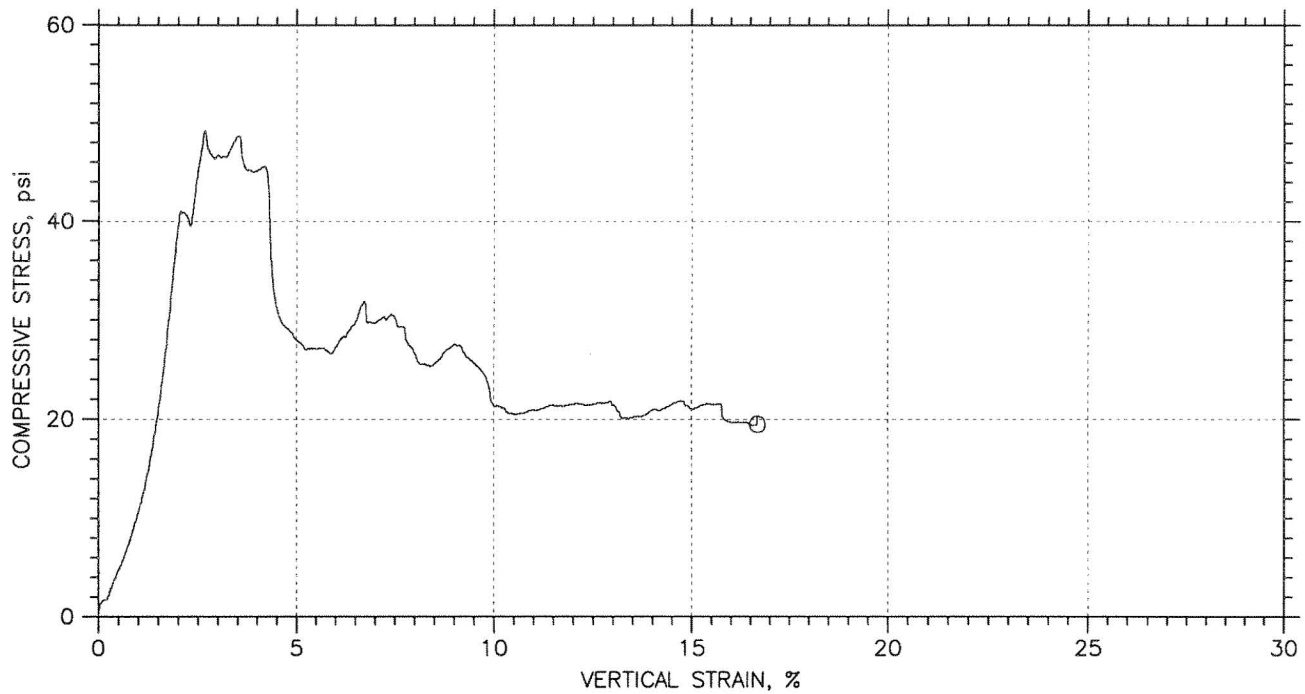
	Project: Votgle COL
	Location: B-4001 UD-5
	Project No.: 6141060286
	Boring No.: B-4001
	Sample Type: Undisturbed
	Description: CLAY (CL)
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1

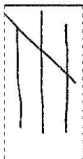
UNCONFINED COMPRESSION TEST REPORT



	Project: Votgle COL	Location: B-4001 UD-5	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-5	Test Date: 6/14/07	Depth: 133.5'
	Test No.: 7551	Sample Type: Undisturbed	Elevation: 85.38'
	Description: CLAY (CL)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		

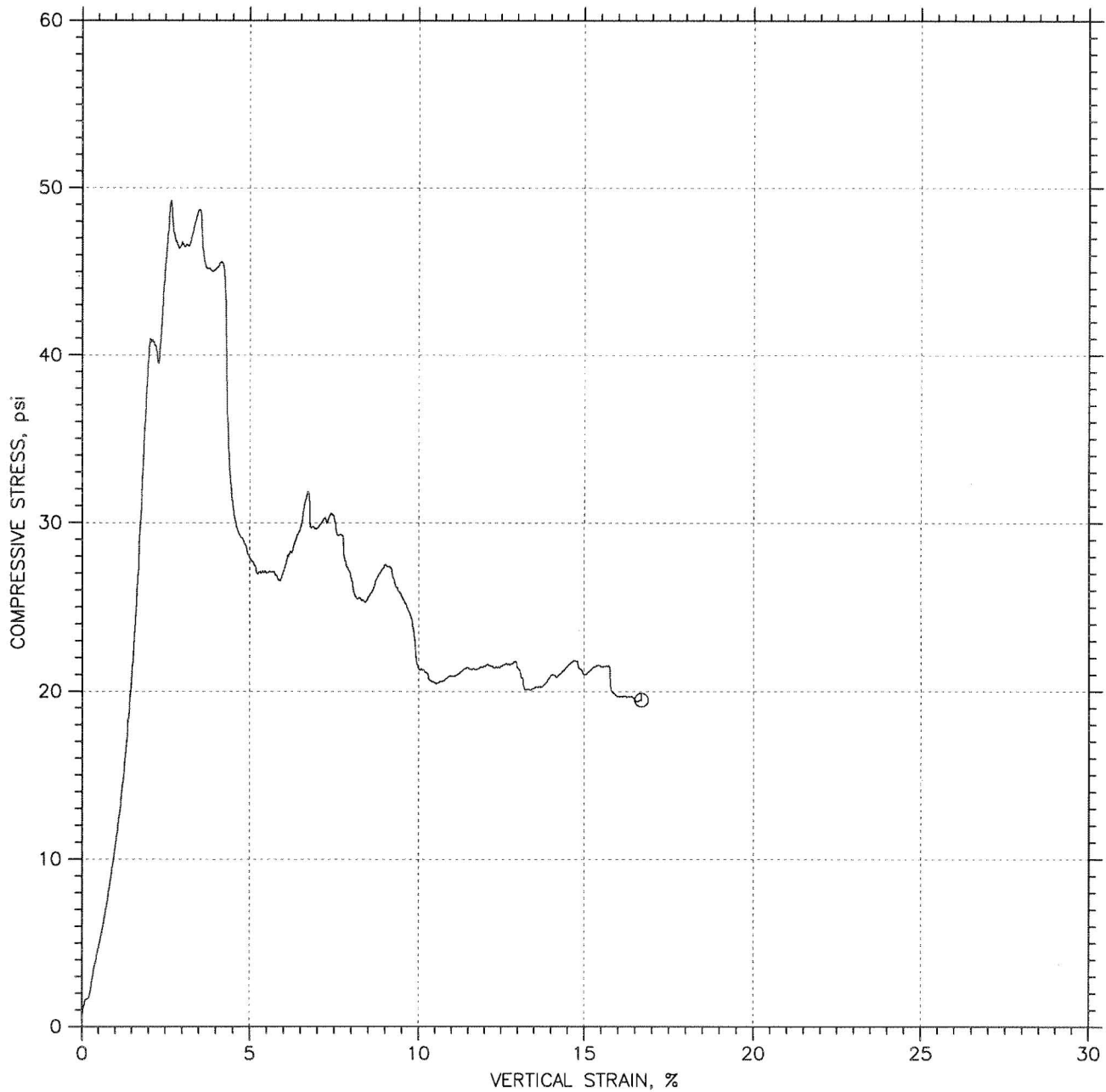
UNCONFINED COMPRESSION TEST REPORT



Symbol	⊙			
Test No.	7552			
Initial	Diameter, in	2.8565		
	Height, in	5.9947		
	Water Content, %	25.93		
	Dry Density, pcf	97.09		
	Saturation, %	95.12		
	Void Ratio	0.736		
Unconfined Compressive Strength, psi		49.22		
Undrained Shear Strength, psi		24.61		
Time to Failure, min		2.5959		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		---		
Plastic Limit		---		
Plasticity Index		---		
Failure Sketch				

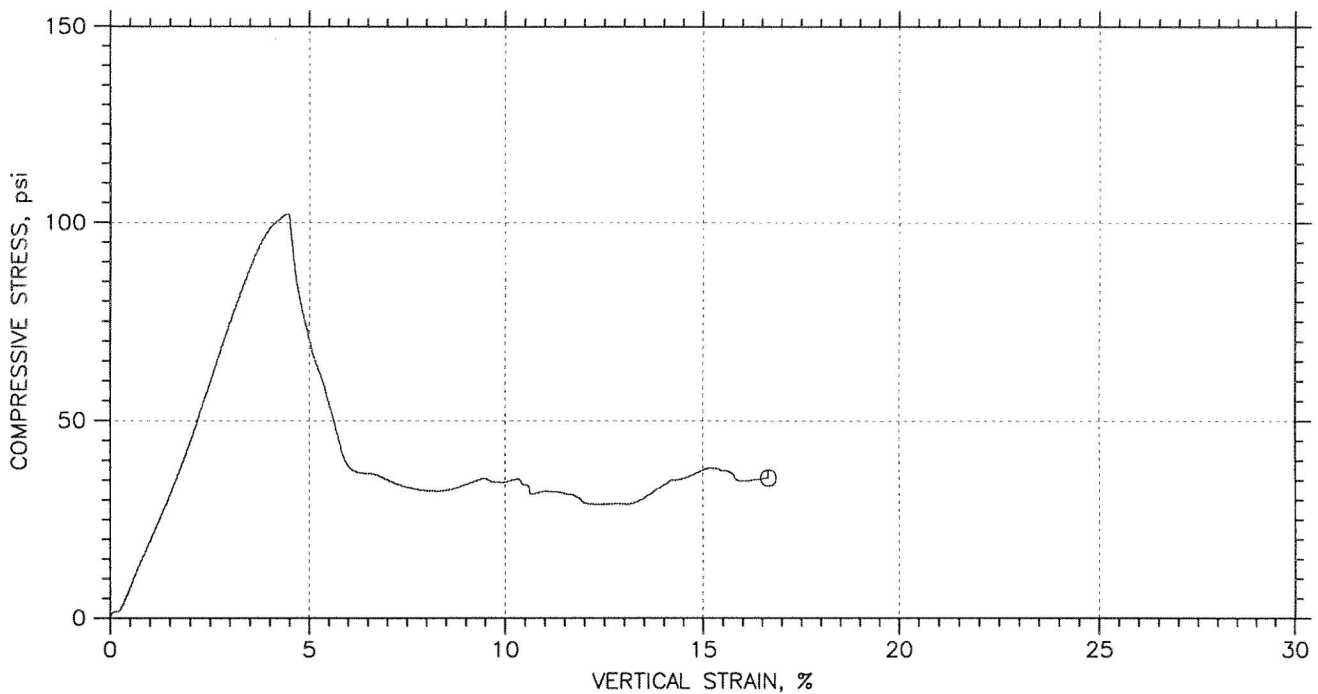
	Project: Votgle COL
	Location: B-4001 UD-6
	Project No.: 6141060286
	Boring No.: B-4001
	Sample Type: Undisturbed
	Description: SILT (ML) (Visual)
Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1	
H 7/30/07	

UNCONFINED COMPRESSION TEST REPORT



 MACTEC Engineering and Contracting, a contract corporation The MACTEC Service Fee is borne by the client. Please provide a check for \$100.00 per hour.	Project: Votgle COL	Location: B-4001 UD-6	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-6	Test Date: 6/14/07	Depth: 158.5'
	Test No.: 7552	Sample Type: Undisturbed	Elevation: 60.38'
	Description: SILT (ML) (Visual)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
HJ 7/30/07			

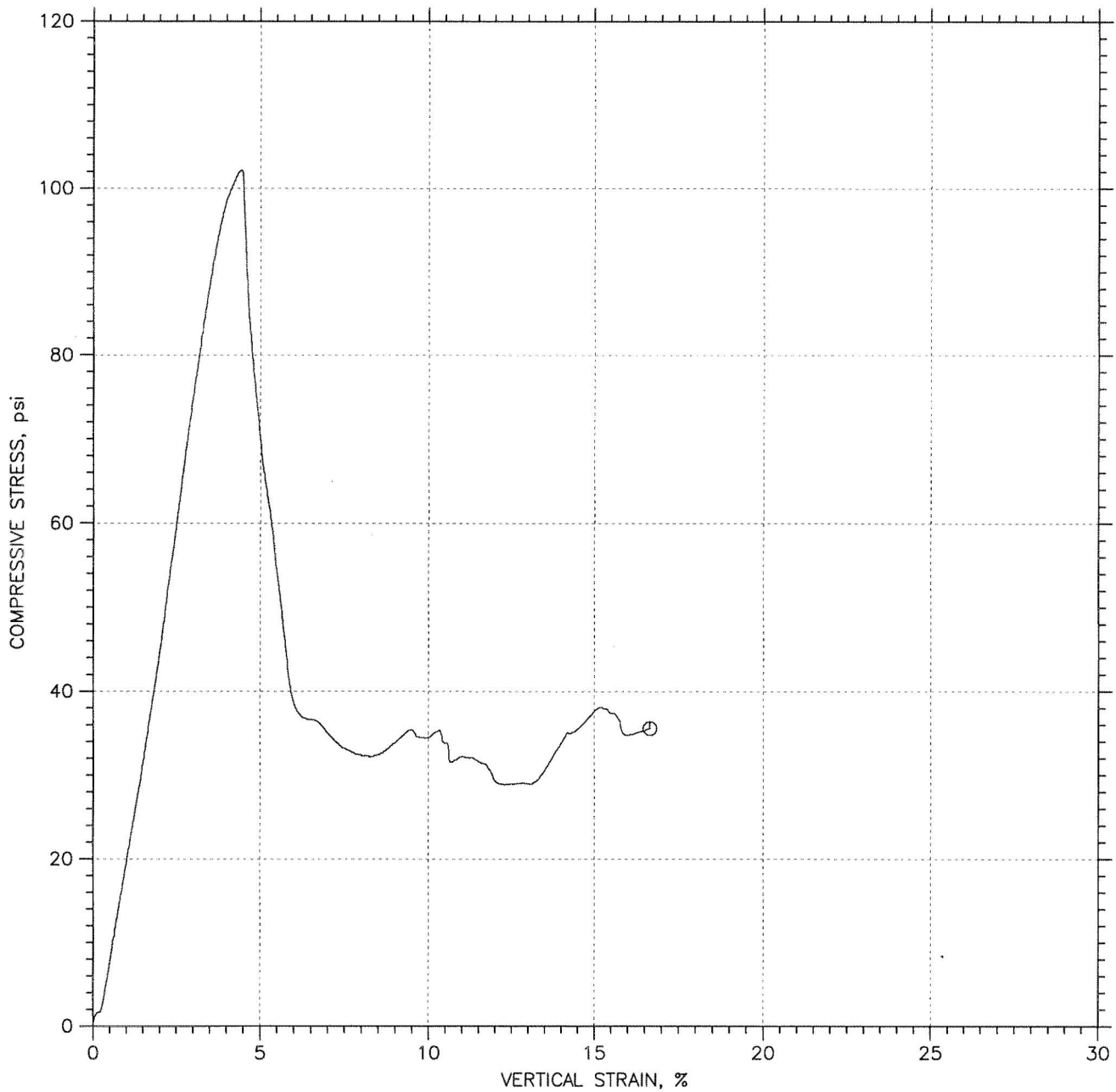
UNCONFINED COMPRESSION TEST REPORT



Symbol	Ø			
Test No.	7555			
Initial	Diameter, in	2.8312		
	Height, in	6.0052		
	Water Content, %	18.63		
	Dry Density, pcf	112.5		
	Saturation, %	101.00		
	Void Ratio	0.498		
Unconfined Compressive Strength, psi		102.2		
Undrained Shear Strength, psi		51.09		
Time to Failure, min		4.3833		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		45		
Plastic Limit		27		
Plasticity Index		18		
Failure Sketch				

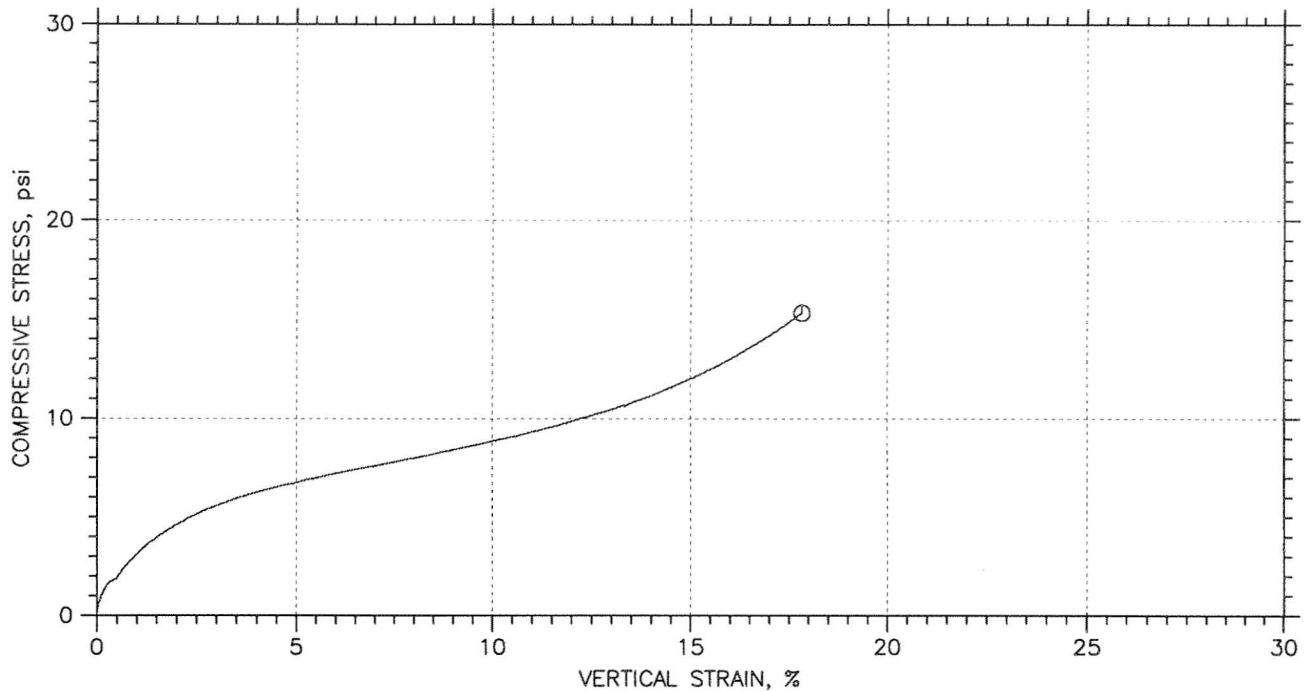
	Project: Votgle COL
	Location: B-4001 UD-9
	Project No.: 6141060286
	Boring No.: B-4001
	Sample Type: Undisturbed
	Description: SILT, sandy (ML)
Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1	
HB 7/30/07	

UNCONFINED COMPRESSION TEST REPORT



 Engineering and Construction Solutions 200 West 10th Street, Suite 1000, Anchorage, Alaska 99501-3000	Project: Votgle COL	Location: B-4001 UD-9	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-9	Test Date: 6/14/07	Depth: 238.5'
	Test No.: 7555	Sample Type: Undisturbed	Elevation: -19.62'
	Description: SILT, sandy (ML)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
			16 7/30/07

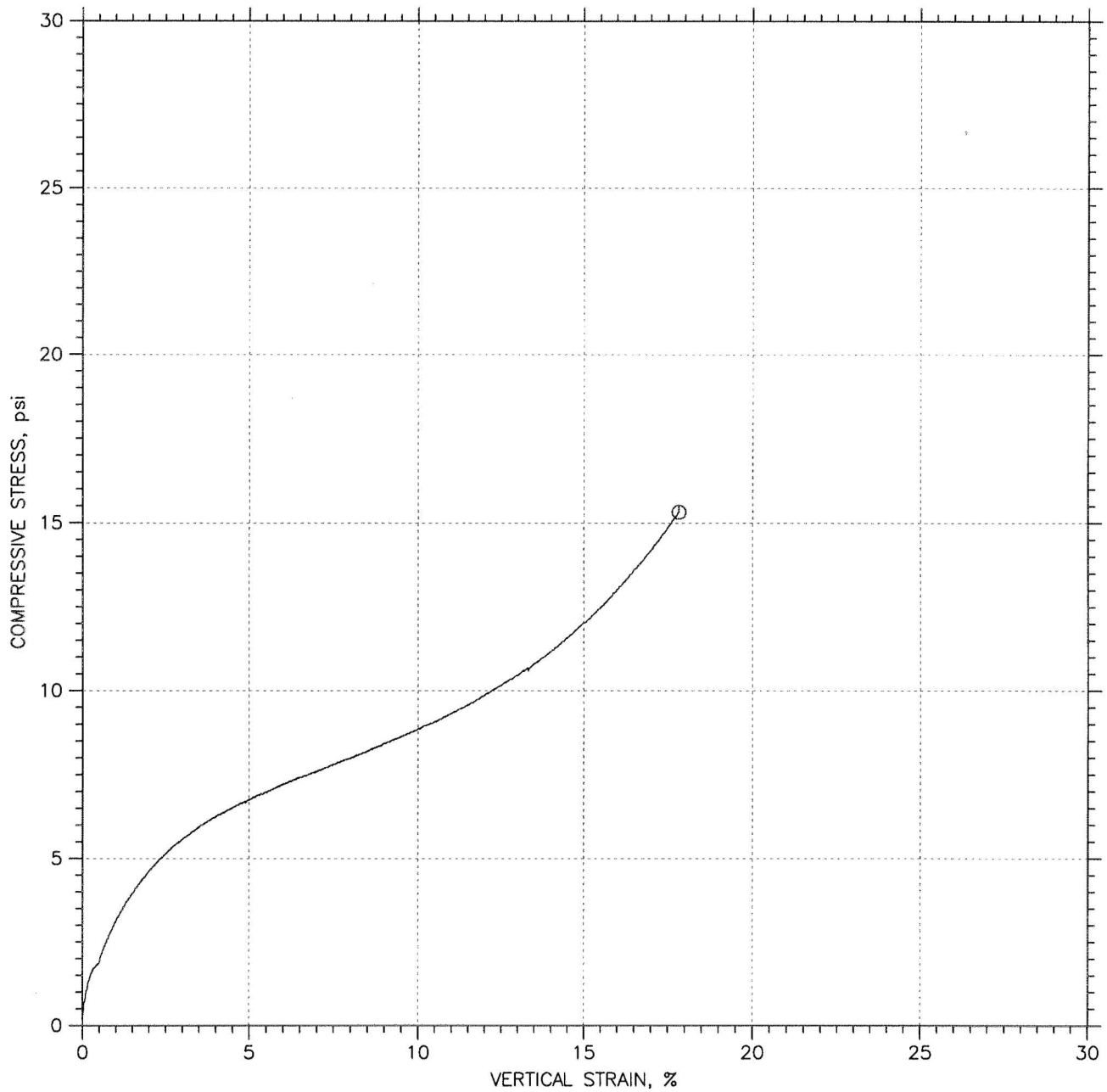
UNCONFINED COMPRESSION TEST REPORT



Symbol	⊙			
Test No.	7559			
Initial	Diameter, in	2.855		
	Height, in	5.6087		
	Water Content, %	19.92		
	Dry Density, pcf	106.1		
	Saturation, %	91.35		
	Void Ratio	0.589		
Unconfined Compressive Strength, psi		15.32		
Undrained Shear Strength, psi		7.661		
Time to Failure, min		17.151		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		---		
Plastic Limit		---		
Plasticity Index		---		
Failure Sketch				

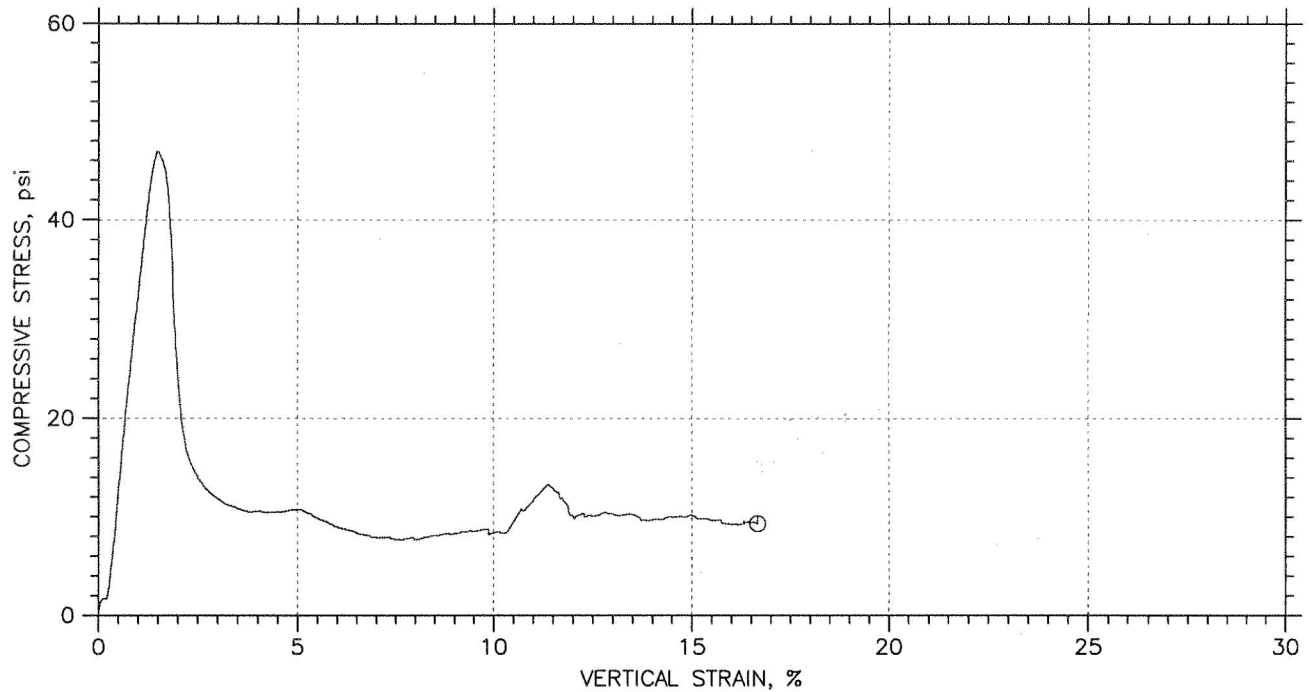
	Project: Votgle COL
	Location: B-4001 UD-14
	Project No.: 6141060286
	Boring No.: B-4001
	Sample Type: Undisturbed
	Description: CLAY, sandy (CH) (Visual)
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1 1/1 7/30/07

UNCONFINED COMPRESSION TEST REPORT



 MACTEC Manufacturing and Consulting Services	Project: Votgle COL	Location: B-4001 UD-14	Project No.: 6141060286
	Boring No.: B-4001	Tested By: BM	Checked By: HJ
	Sample No.: UD-14	Test Date: 6/14/07	Depth: 348.5'
	Test No.: 7559	Sample Type: Undisturbed	Elevation: -129.62'
	Description: CLAY, sandy (CH) (Visual)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
<i>HJ 7/30/07</i>			

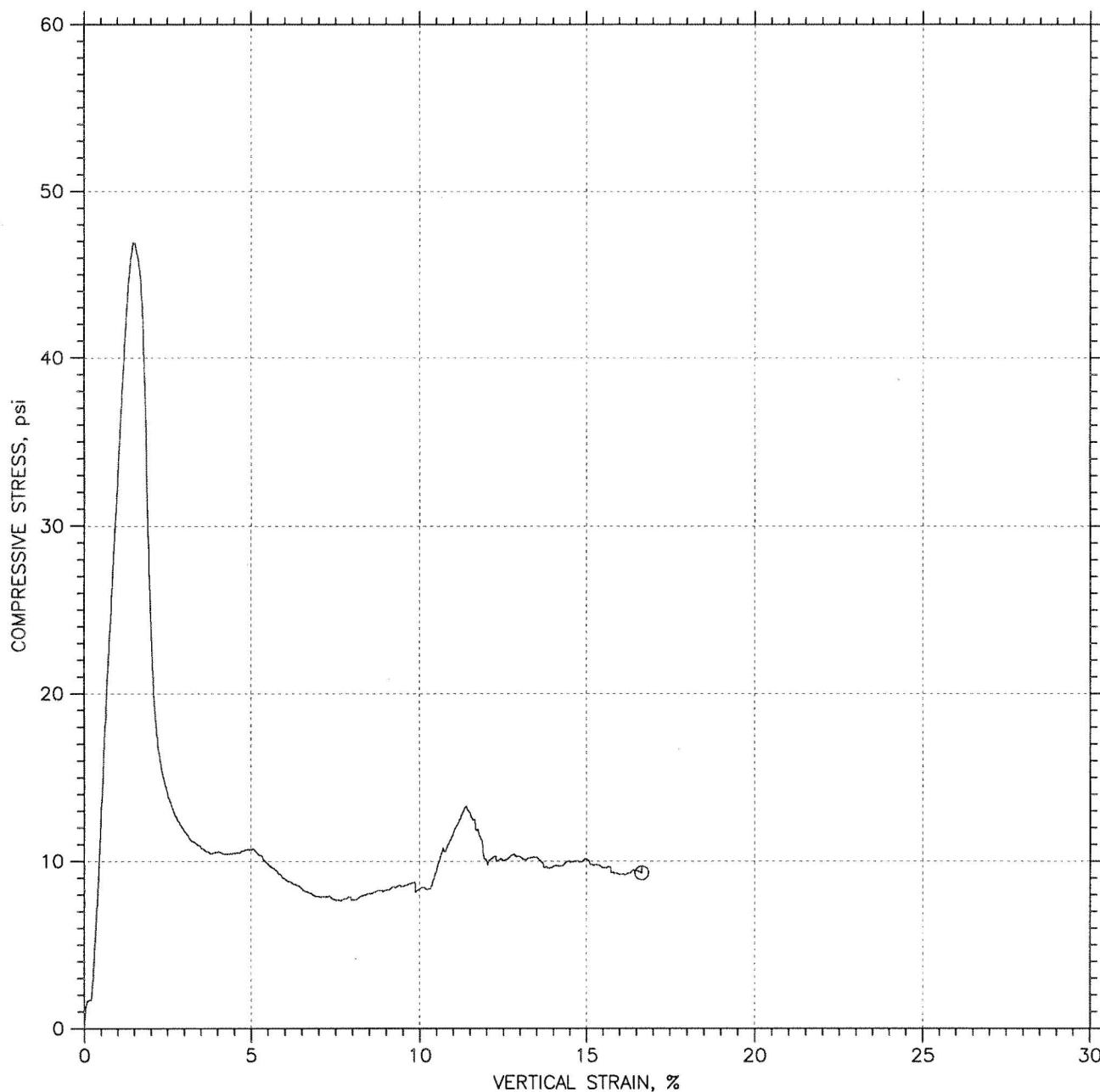
UNCONFINED COMPRESSION TEST REPORT



Symbol	⊙			
Test No.	7563			
Initial	Diameter, in	2.8317		
	Height, in	6.0025		
	Water Content, %	27.70		
	Dry Density, pcf	94.09		
	Saturation, %	94.50		
	Void Ratio	0.791		
Unconfined Compressive Strength, psi		46.93		
Undrained Shear Strength, psi		23.46		
Time to Failure, min		1.5333		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		---		
Plastic Limit		---		
Plasticity Index		---		
Failure Sketch				

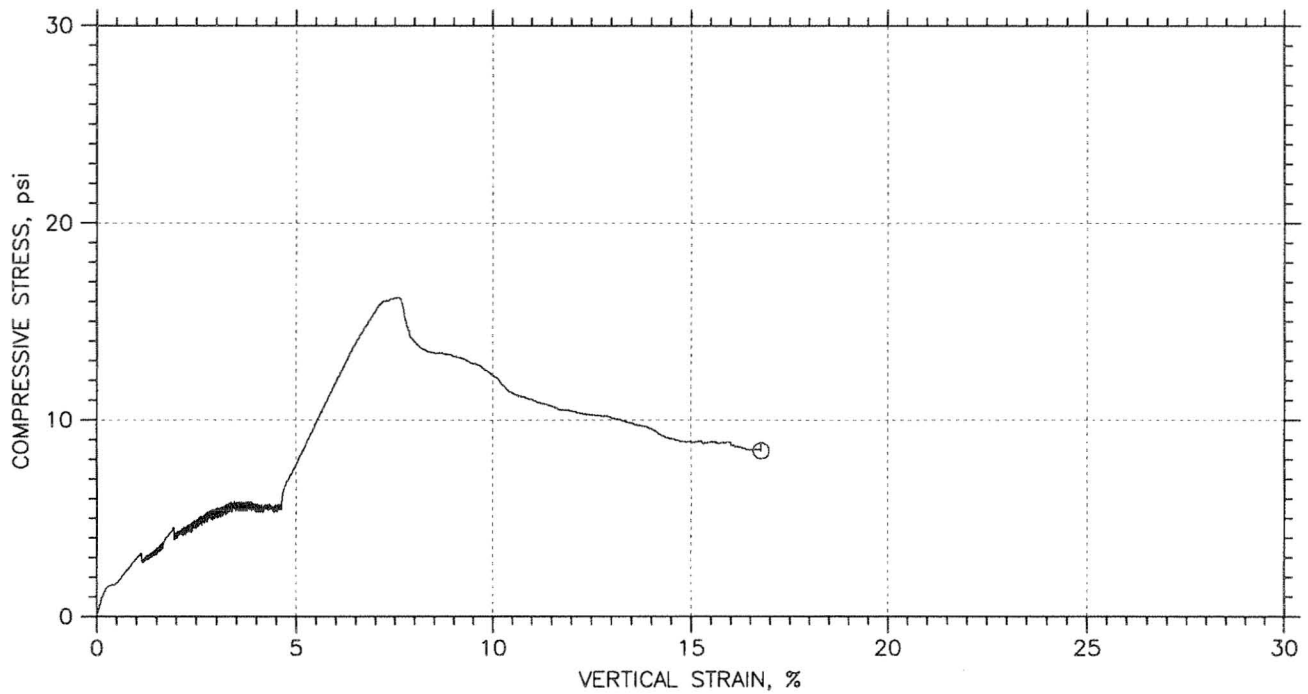
	Project: Votgle COL
	Location: B-4002 UD-4
	Project No.: 6141060286
	Boring No.: B-4002
	Sample Type: Undisturbed
	Description: CLAY (CL) (Visual)
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1 <i>15 7/20/07</i>

UNCONFINED COMPRESSION TEST REPORT



 MACTEC is a leading provider of geotechnical engineering and construction services. We are committed to providing the highest quality services to our clients. 2000 Project Avenue, Raleigh, North Carolina 27601-1000, Phone: 919.877.1000, Fax: 919.877.1001	Project: Votgle COL	Location: B-4002 UD-4	Project No.: 6141060286
	Boring No.: B-4002	Tested By: BM	Checked By: HJ
	Sample No.: UD-4	Test Date: 6/14/07	Depth: 233.5'
	Test No.: 7563	Sample Type: Undisturbed	Elevation: -14.44'
	Description: CLAY (CL) (Visual)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
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UNCONFINED COMPRESSION TEST REPORT

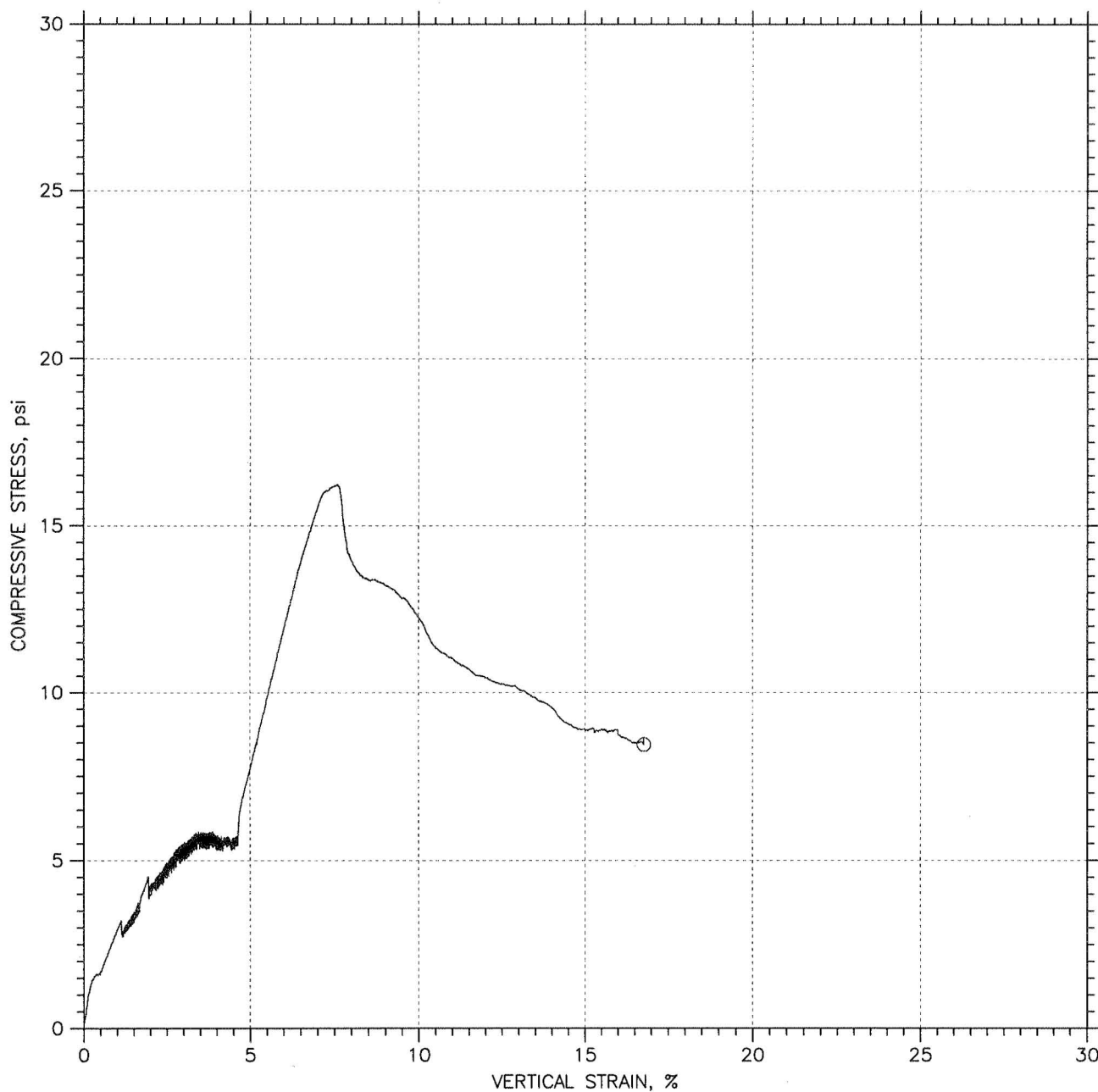


Symbol	⊙			
Test No.	7564			
Initial	Diameter, in	2.8605		
	Height, in	5.9617		
	Water Content, %	25.18		
	Dry Density, pcf	98.38		
	Saturation, %	95.33		
	Void Ratio	0.713		
Unconfined Compressive Strength, psi		16.23		
Undrained Shear Strength, psi		8.116		
Time to Failure, min		7.3169		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		---		
Plastic Limit		---		
Plasticity Index		---		
Failure Sketch				

	Project: Votgle COL
	Location: B-4003 UD-1
	Project No.: 6141060286
	Boring No.: B-4003
	Sample Type: Undisturbed
	Description: SILT (ML) (Visual)
Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1	

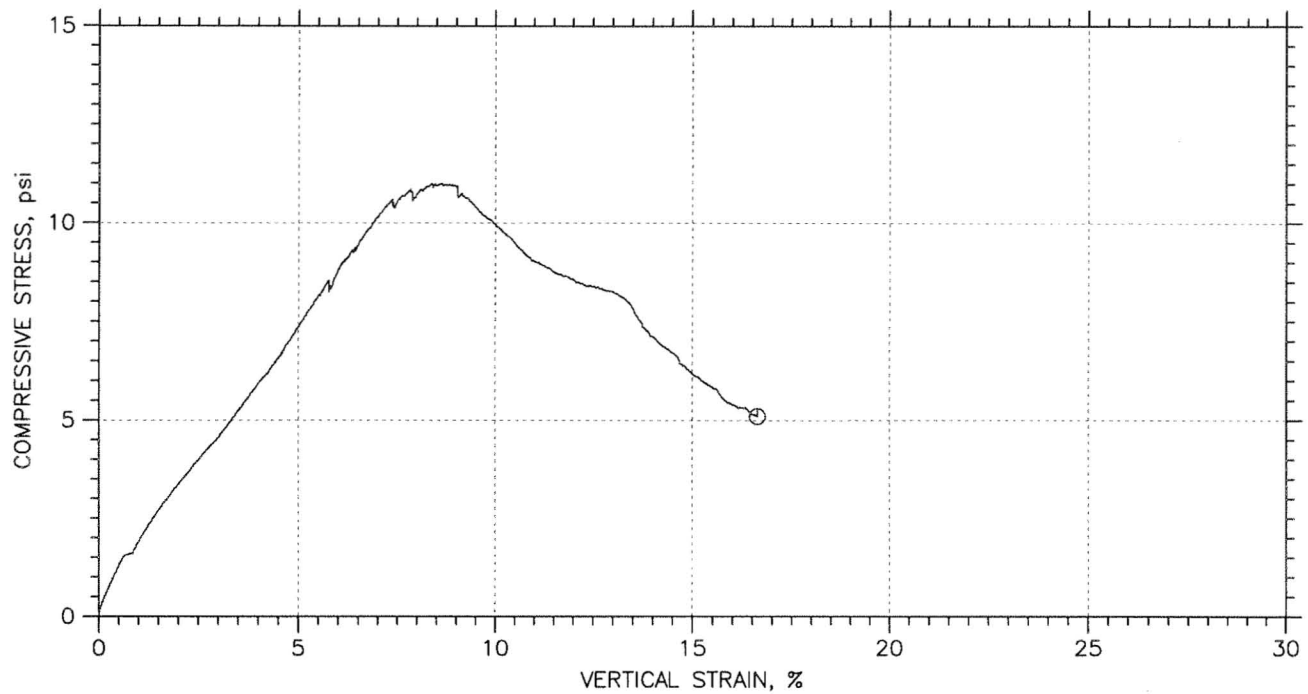
H 7/30/07

UNCONFINED COMPRESSION TEST REPORT



 Engineering and Construction Solutions 2700 Market Avenue, Suite 4000, Irvine, CA 92614-4000, Tel: 949.261.7777	Project: Votgle COL	Location: B-4003 UD-1	Project No.: 6141060286
	Boring No.: B-4003	Tested By: BM	Checked By: HJ
	Sample No.: UD-1	Test Date: 6/26/07	Depth: 117.0'
	Test No.: 7564	Sample Type: Undisturbed	Elevation: 101.99'
	Description: SILT (ML) (Visual)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
	HJ 2/3/07		

UNCONFINED COMPRESSION TEST REPORT

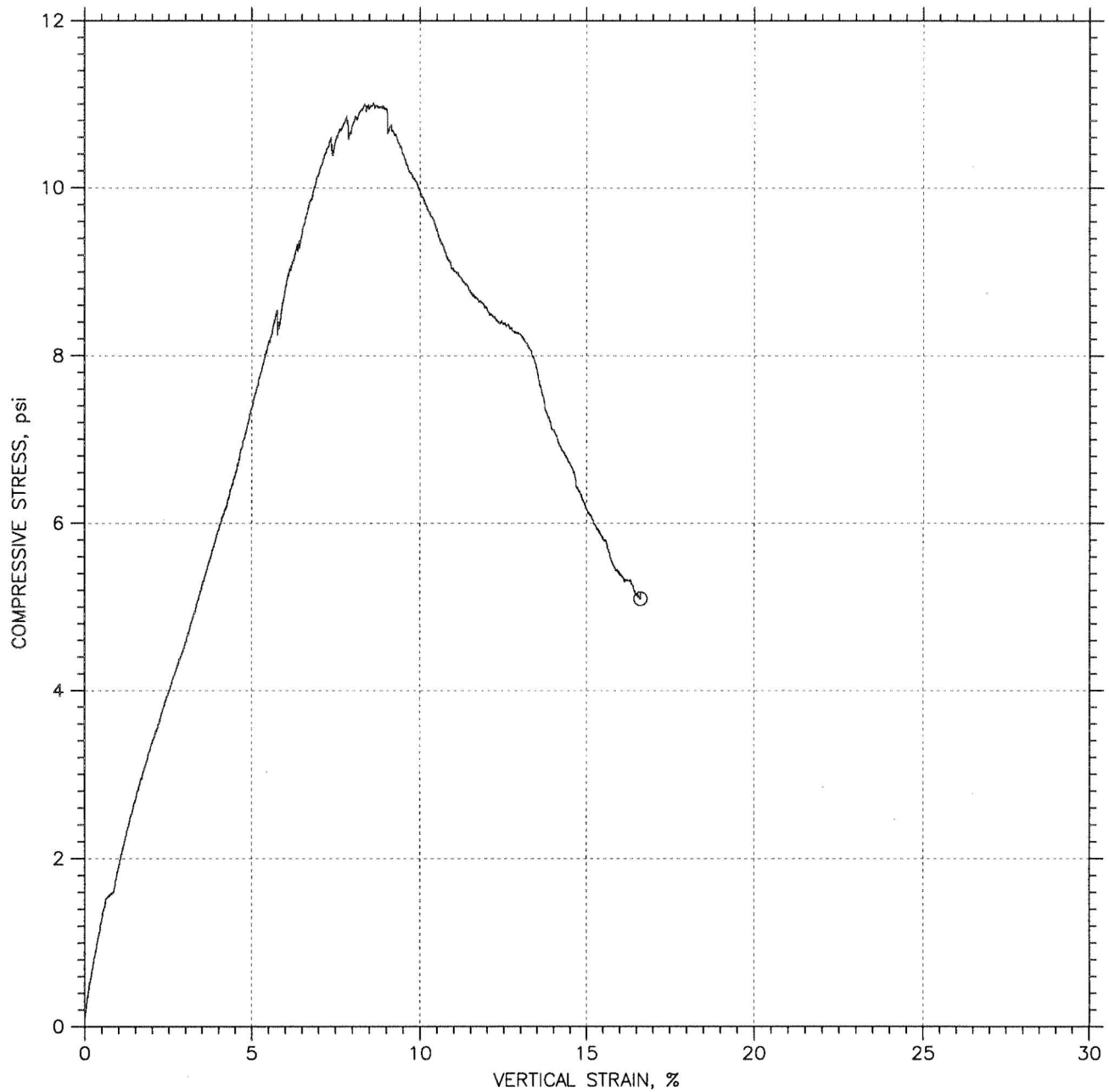


Symbol	Ø			
Test No.	7571			
Initial	Diameter, in	2.907		
	Height, in	6.0155		
	Water Content, %	32.61		
	Dry Density, pcf	71.8		
	Saturation, %	65.32		
	Void Ratio	1.35		
Unconfined Compressive Strength, psi		11.01		
Undrained Shear Strength, psi		5.506		
Time to Failure, min		8.2961		
Strain Rate, %/min		1		
Estimated Specific Gravity		2.70		
Liquid Limit		---		
Plastic Limit		---		
Plasticity Index		---		
Failure Sketch				

	Project: Votgle COL
	Location: B-4008 UD-1
	Project No.: 6141060286
	Boring No.: B-4008
	Sample Type: Undisturbed
	Description: SILT (ML) (Visual)
Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1	

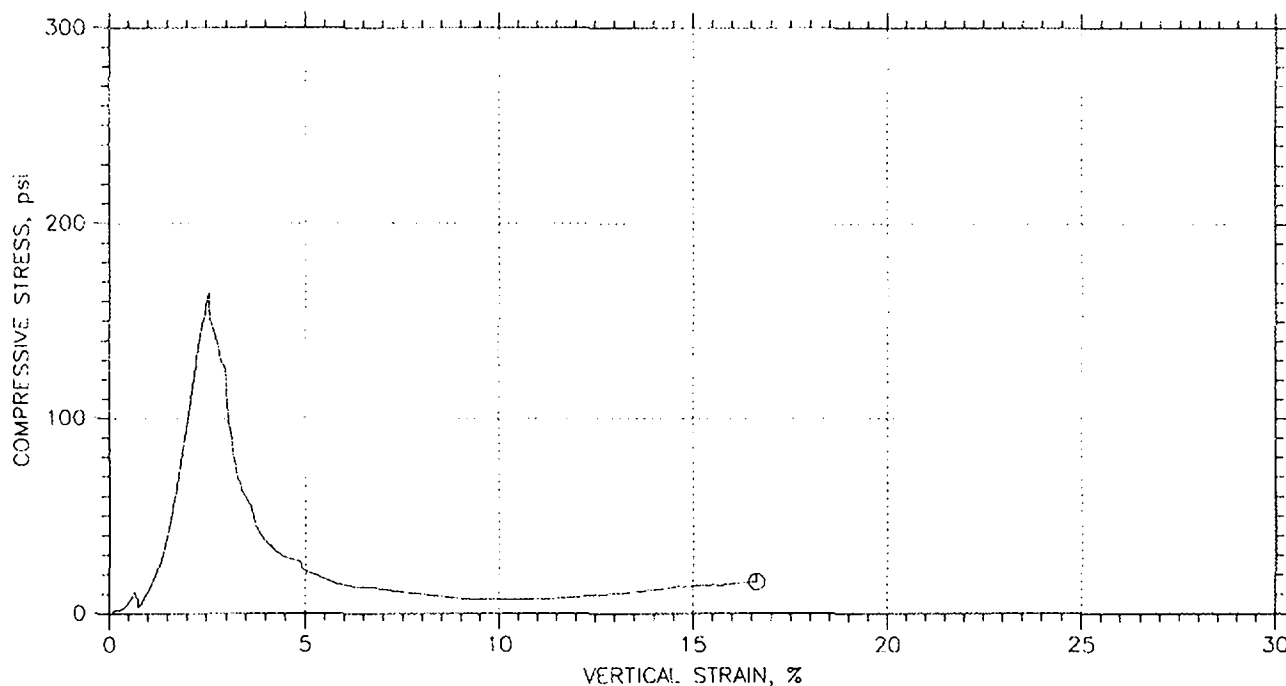
2/20/07

UNCONFINED COMPRESSION TEST REPORT



	Project: Votgle COL	Location: B-4008 UD-1	Project No.: 6141060286
	Boring No.: B-4008	Tested By: BM	Checked By: HJ
	Sample No.: UD-1	Test Date: 6/27/07	Depth: 98.5'
	Test No.: 7571	Sample Type: Undisturbed	Elevation: 119.58'
	Description: SILT (ML) (Visual)		
	Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1		
	<i>H 7/30/07</i>		

UNCONFINED COMPRESSION TEST REPORT



Symbol	Q			
Test No.	7572			
Diameter, in	2.8452			
Height, in	6.0115			
Water Content, %	38.14			
Dry Density, pcf	80.66			
Saturation, %	94.49			
Void Ratio	1.09			
Unconfined Compressive Strength, psi	164.3			
Undrained Shear Strength, psi	82.15			
Time to Failure, min	2.6042			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.70			
Liquid Limit	---			
Plastic Limit	---			
Plasticity Index	---			
Failure Sketch				

	Project: Votgle COL
	Location: B-4008 UD-2
	Project No.: 6141060286
	Boring No.: B-4008
	Sample Type: Undisturbed
	Description: SILT (ML) (Visual)
Remarks: UNCONFINED COMPRESSION TEST REPORT by ASTM D2166-00e1	

HS 7/30/07