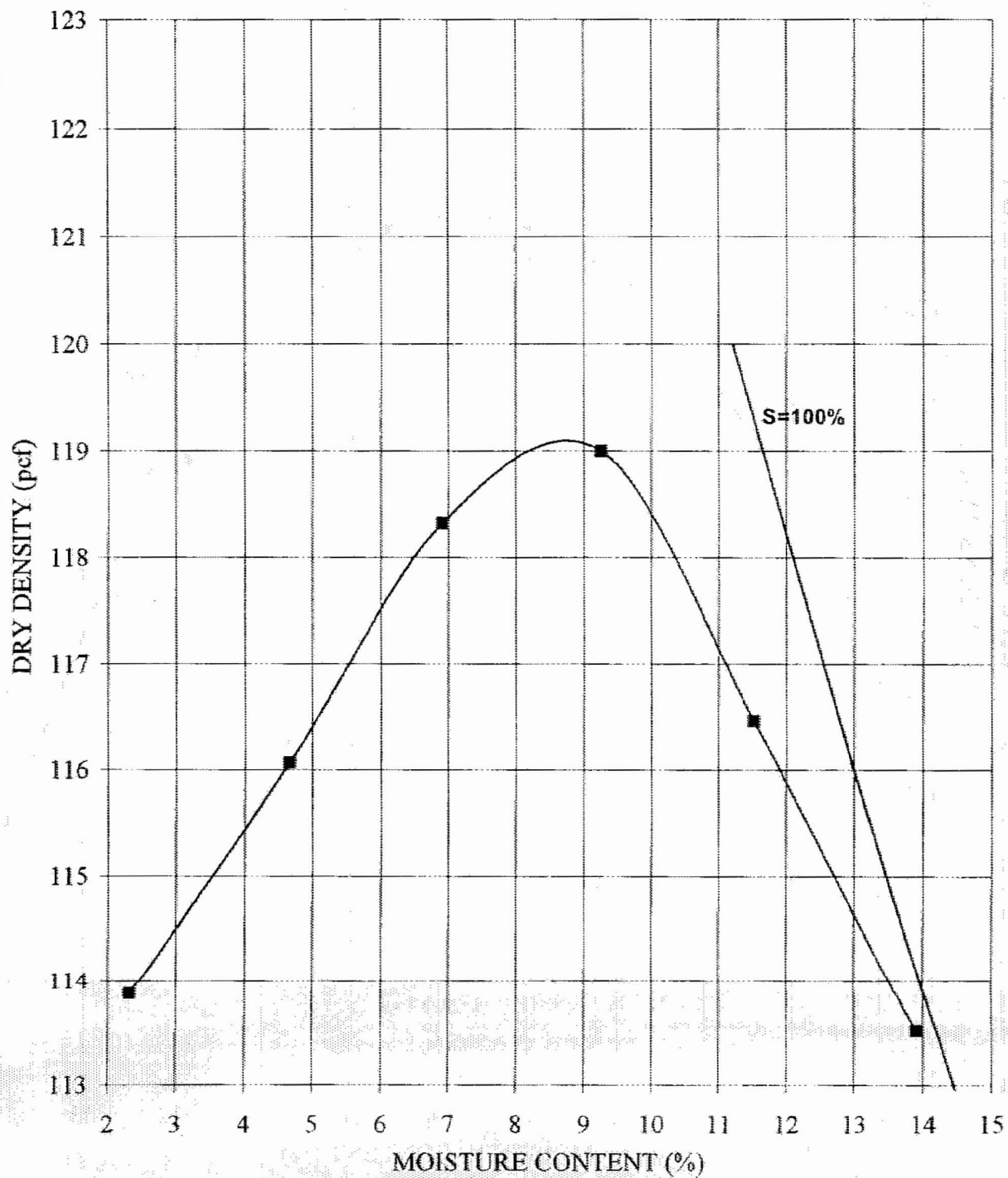
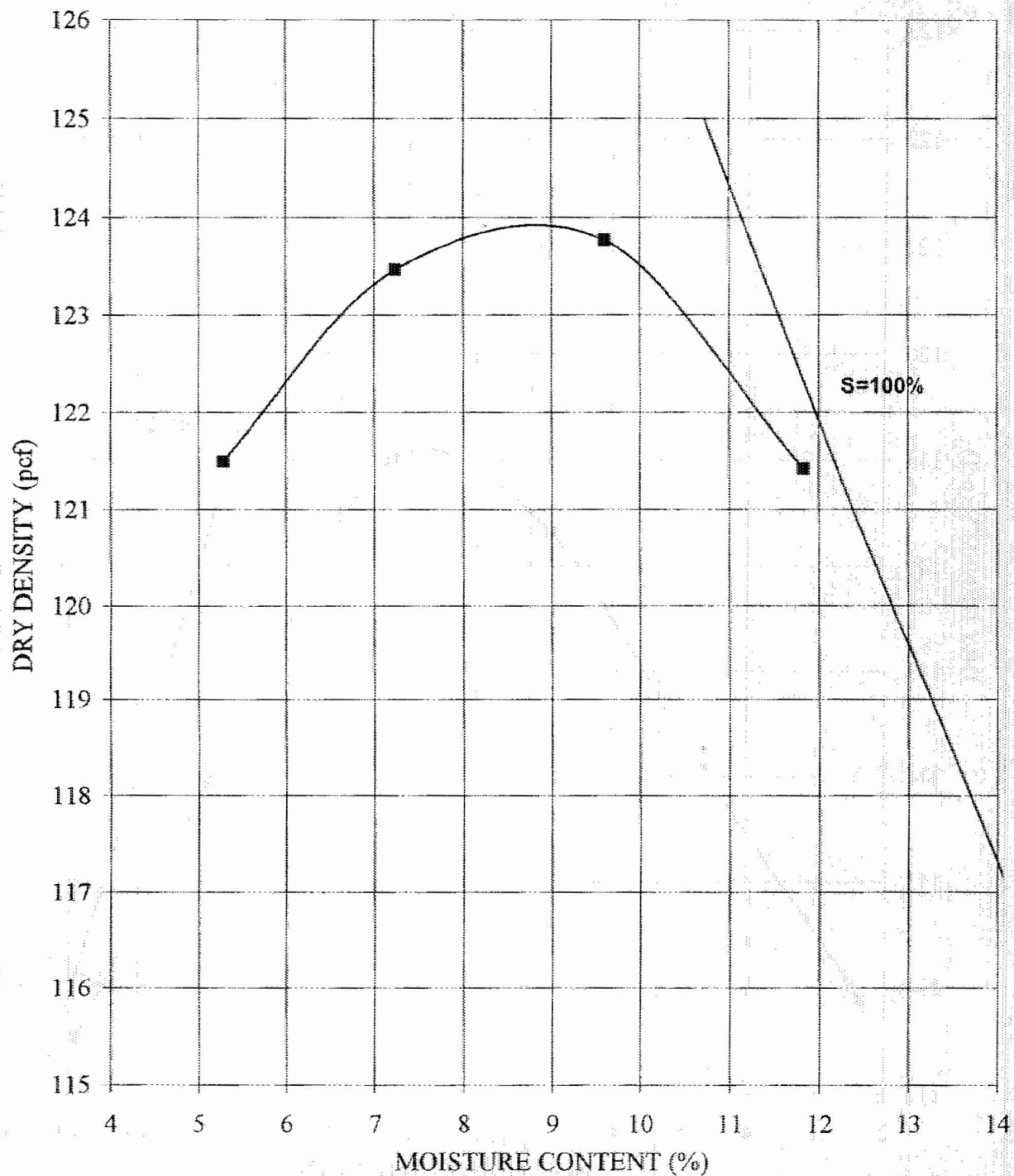




MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

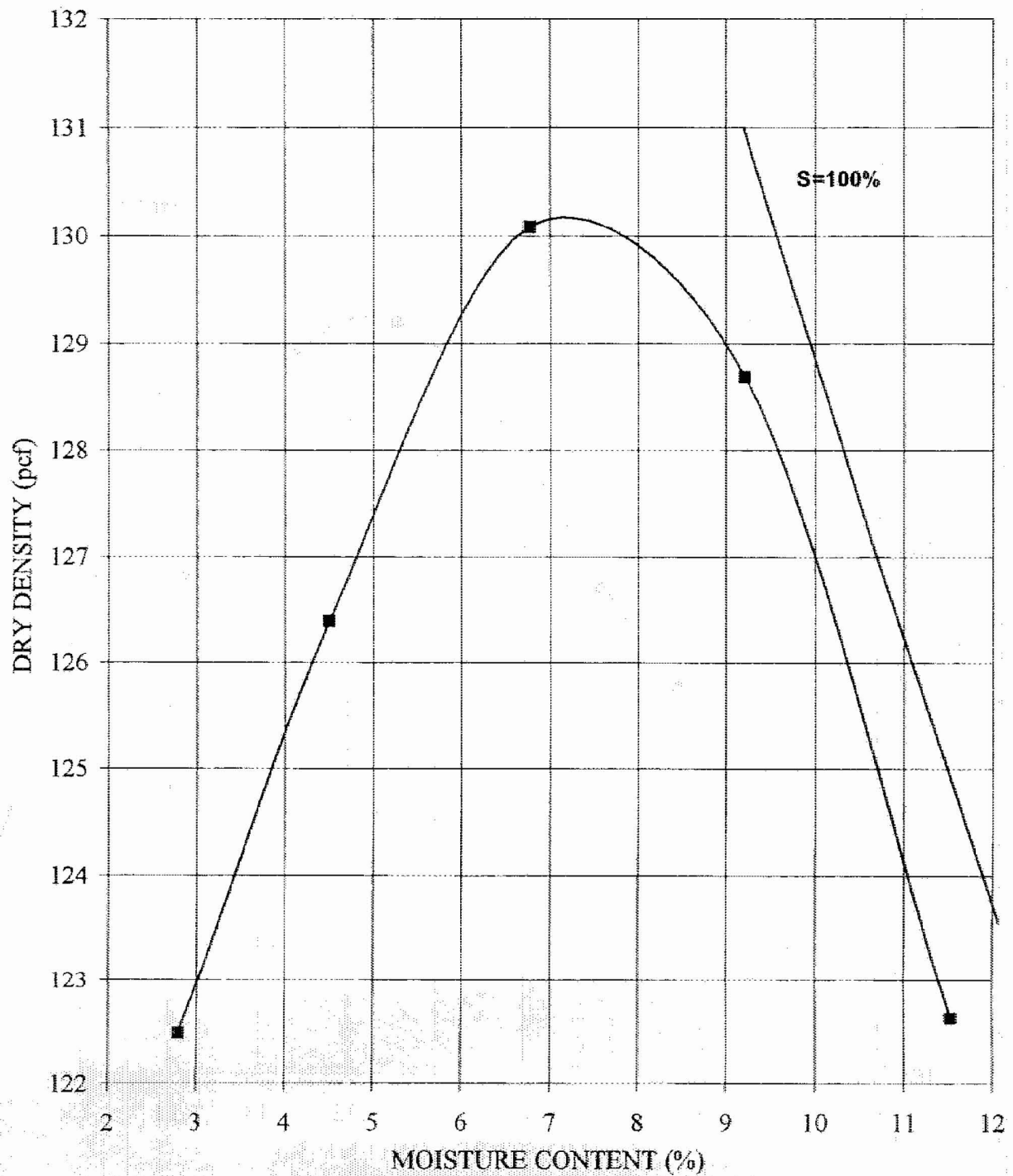
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/26/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-435	5.0-6.0	Silty SAND, brown	SM					
Assumed Specific Gravity:		2.45	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		100.0			
Maximum Dry Density (pcf):		119.1	Optimum Moisture Content (%):		8.9			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

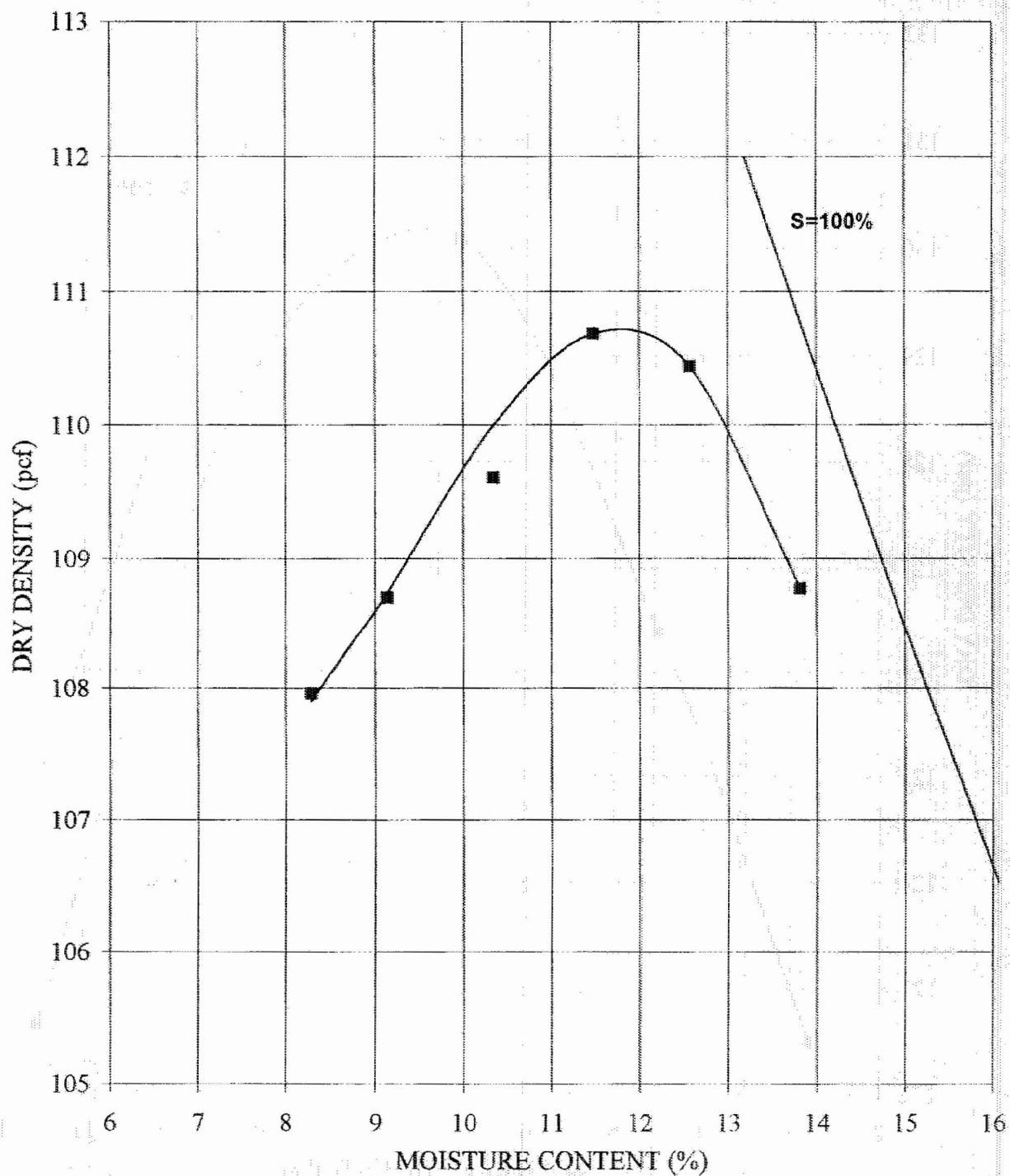
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
B-435	7.0-8.0	Poorly Graded SAND, with silt, trace gravel, light brown	SP-SM					
Assumed Specific Gravity:		2.55	% Passing 3/4" Sieve:	100.0				
			% Passing #4 Sieve:	99.2				
Maximum Dry Density (pcf):		123.9	Optimum Moisture Content (%):	8.9				



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

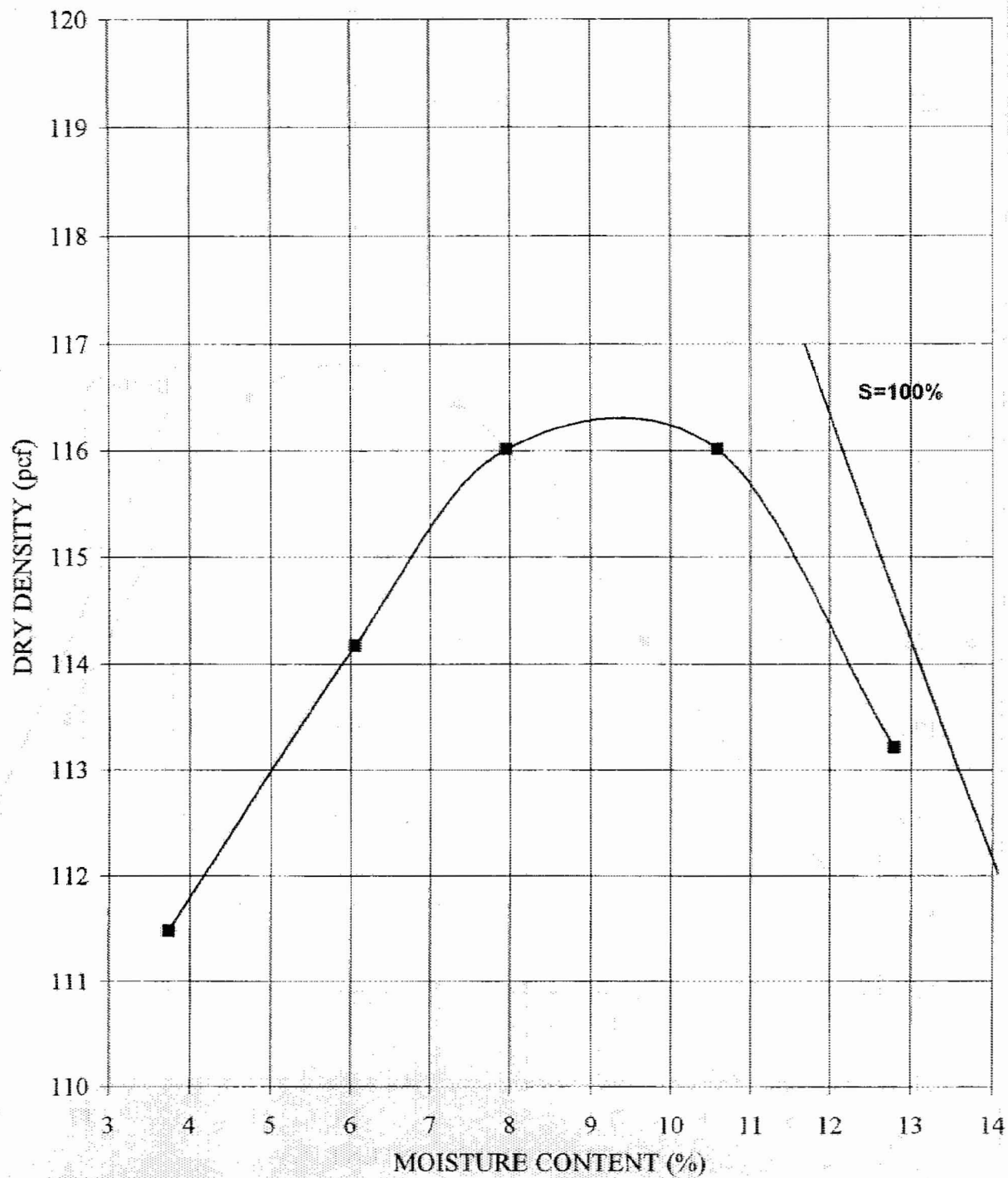
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
B-435	9.0-10.0	Clayey SAND, brown	SC	34	17			
Assumed Specific Gravity:	2.60	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	130.2	Optimum Moisture Content (%):	7.3					



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

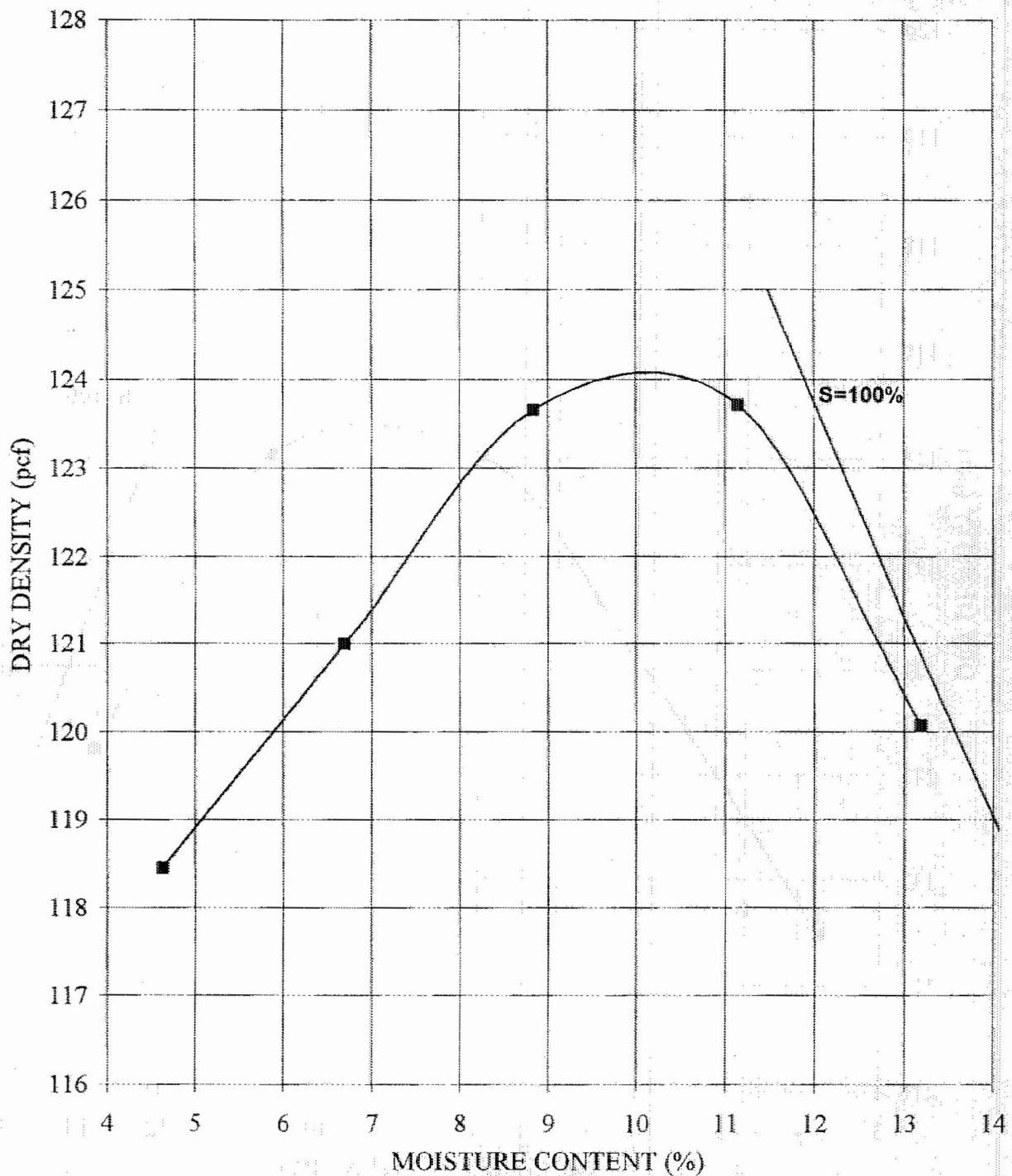
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.	06120048.00	Date:	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-715	5.5-6.5	Poorly Graded SAND, with silt, trace gravel, tan	SP-SM					
Assumed Specific Gravity:		2.35	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		99.1			
Maximum Dry Density (pcf):		110.7	Optimum Moisture Content (%):		11.8			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

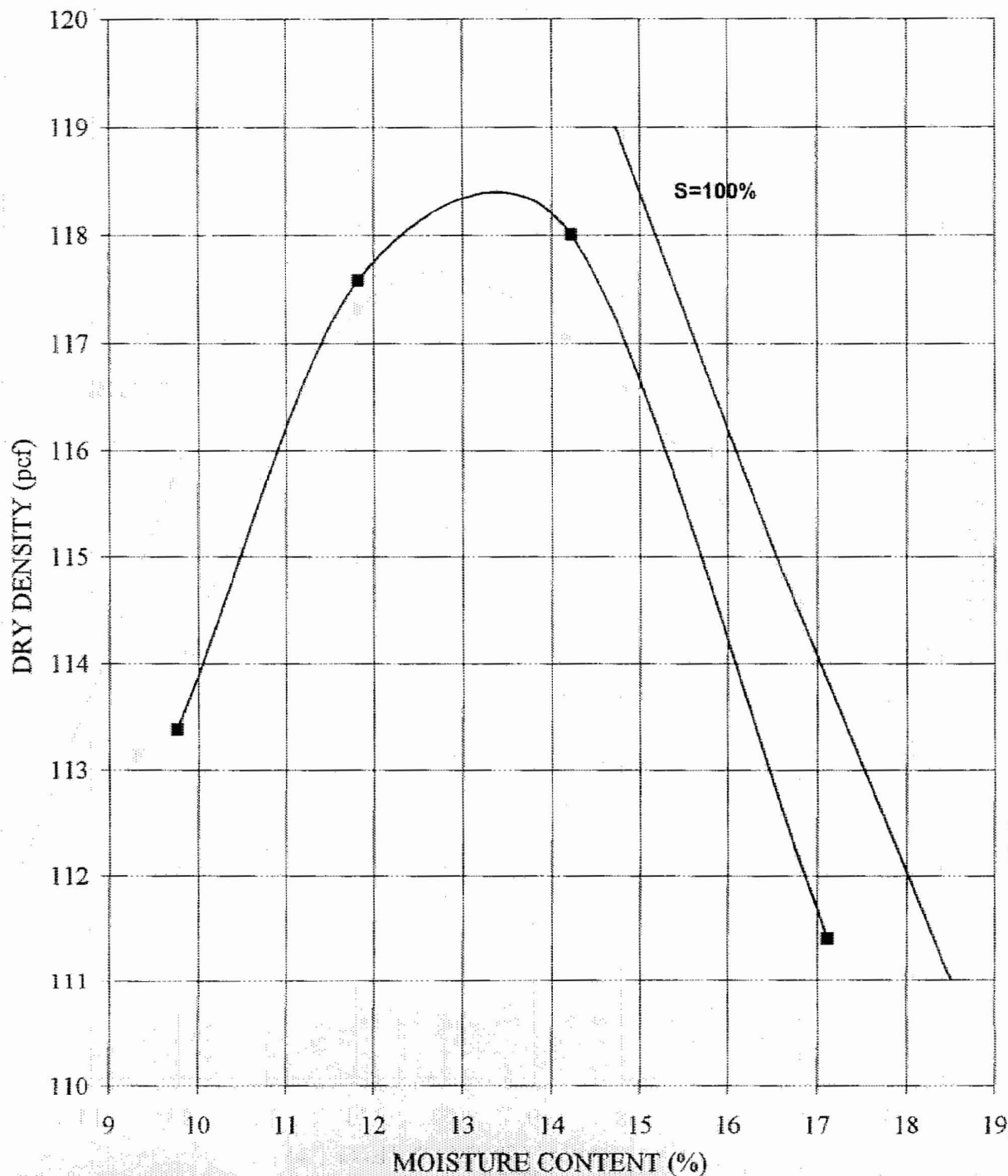
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06129048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-716	6.0-7.0	Poorly Graded SAND, with silt, trace gravel, brown	SP-SM					
Assumed Specific Gravity:		2.40	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		99.0			
Maximum Dry Density (pcf):		116.3	Optimum Moisture Content (%):		9.4			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

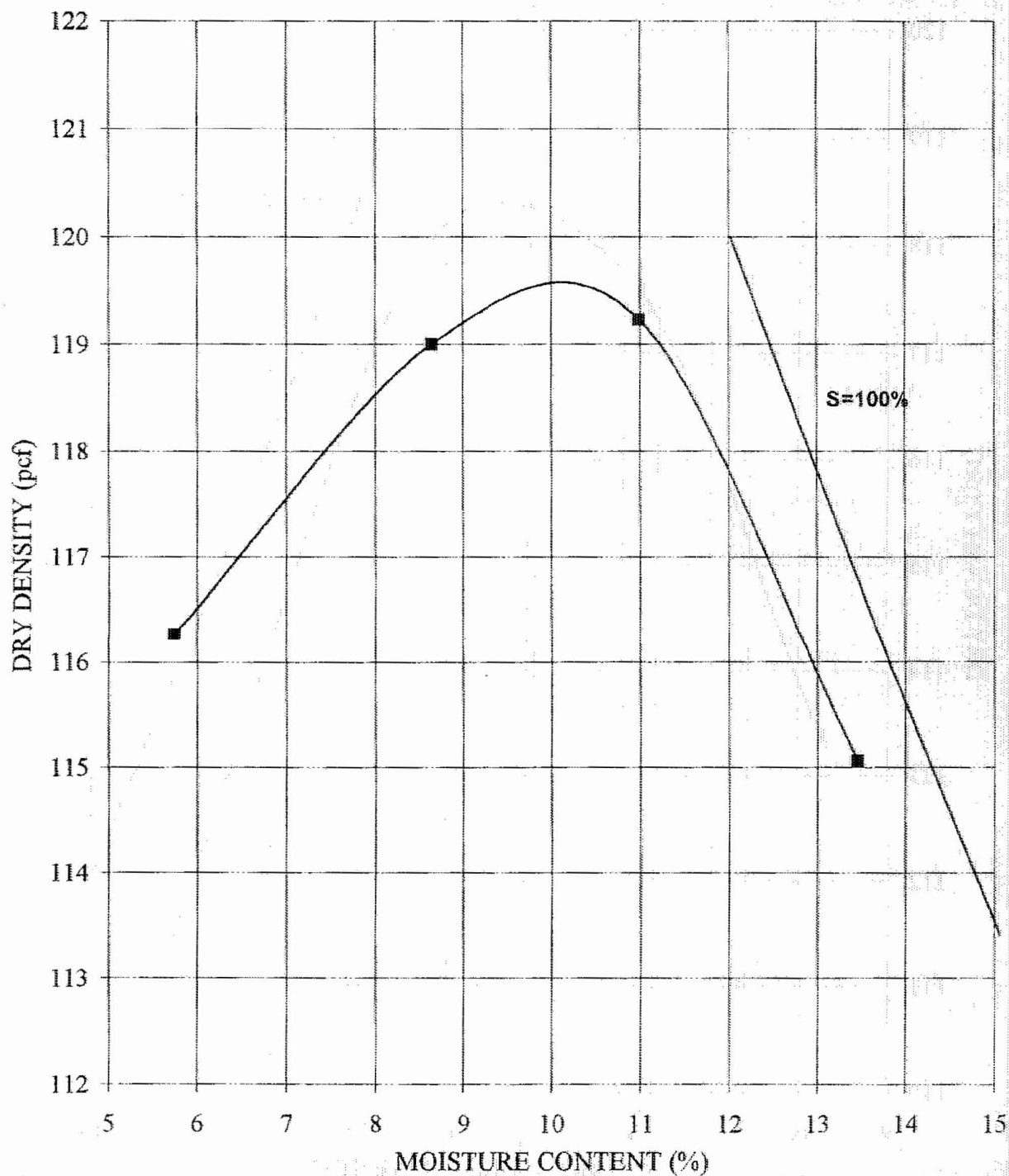
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/15/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-717	7.0-8.0	Poorly Graded SAND, with silt, trace gravel, light brown	SP-SM					
Assumed Specific Gravity:	2.60	% Passing 3/4" Sieve:		100.0				
		% Passing #4 Sieve:		97.4				
Maximum Dry Density (pcf):	123.8	Optimum Moisture Content (%):		10.2				



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

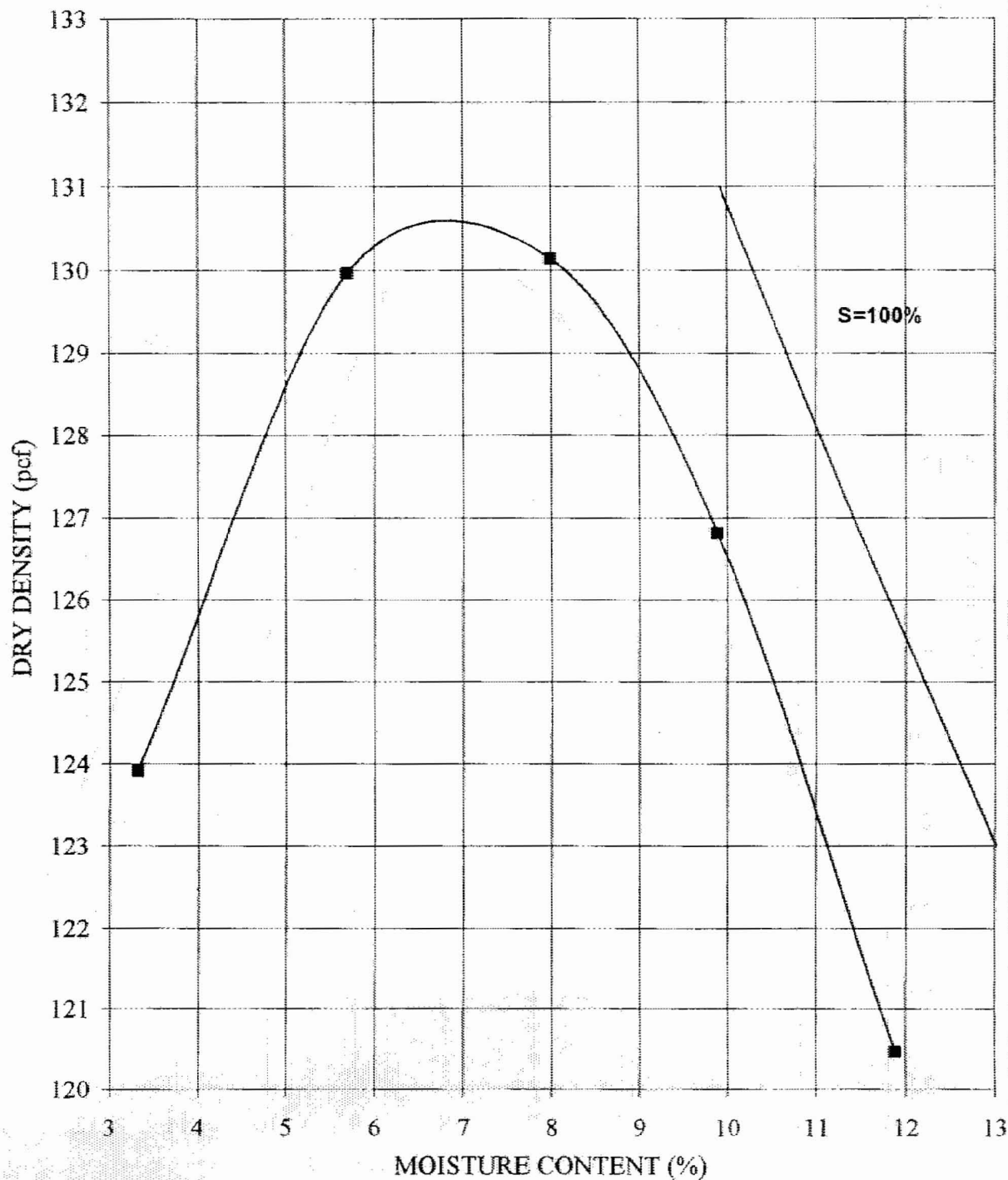
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/28/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-B-719	0.5-1.5	LEAN CLAY, with sand, dark brown	CL	35	13			
Assumed Specific Gravity:		2.65	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		100.0			
Maximum Dry Density (pcf):		118.4	Optimum Moisture Content (%):		13.5			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

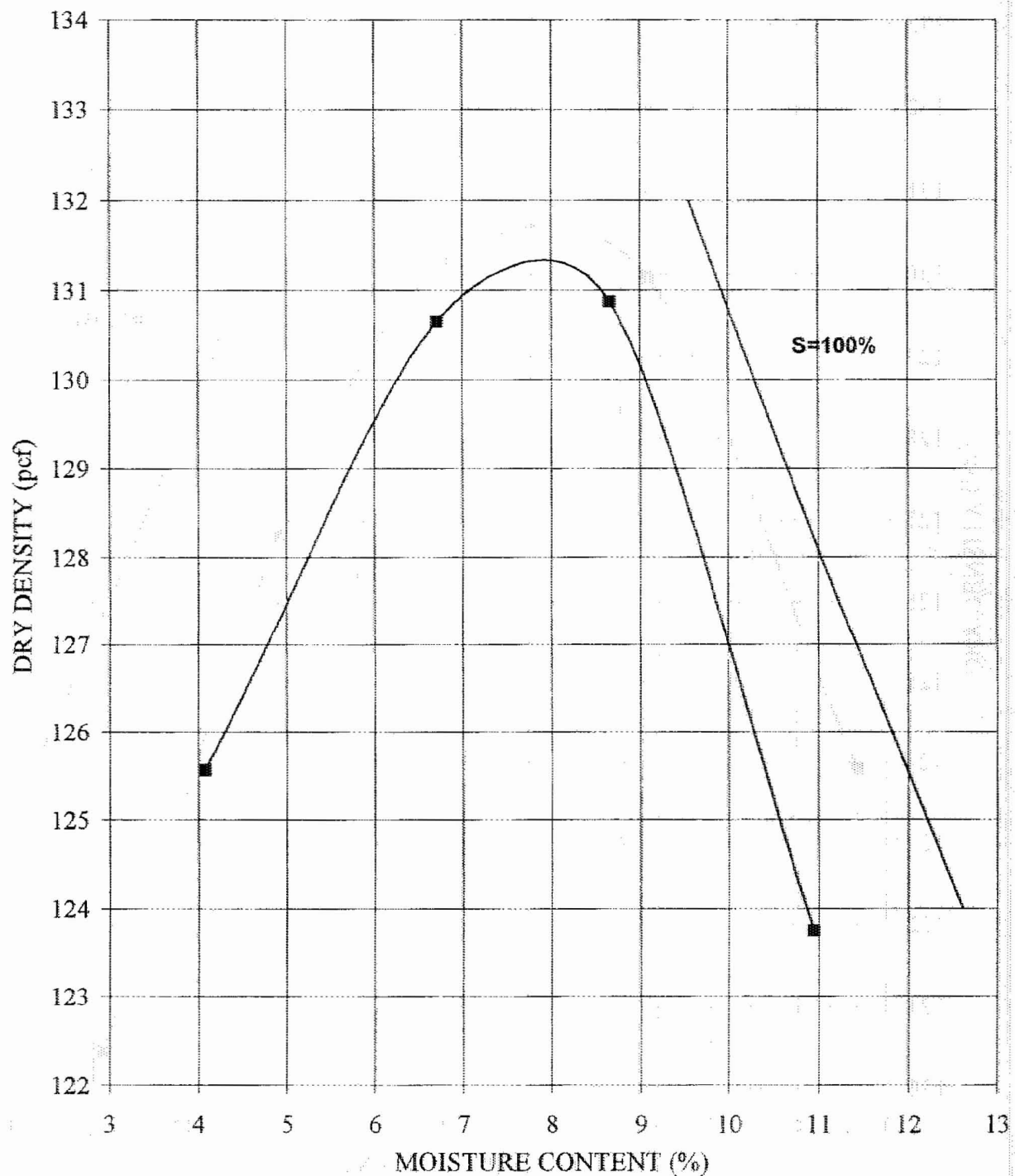
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:		06120048.00	Date:	9/18/2006
Boring No.	Depth (ft)	Sample Description		Class.	LL	PI			
TP-B-719	7.0-8.0	Silty SAND, gray		SM	35	13			
Assumed Specific Gravity:		2.50	% Passing 3/4" Sieve:		100.0				
			% Passing #4 Sieve:		100.0				
Maximum Dry Density (pcf):		119.6	Optimum Moisture Content (%):		10.0				



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

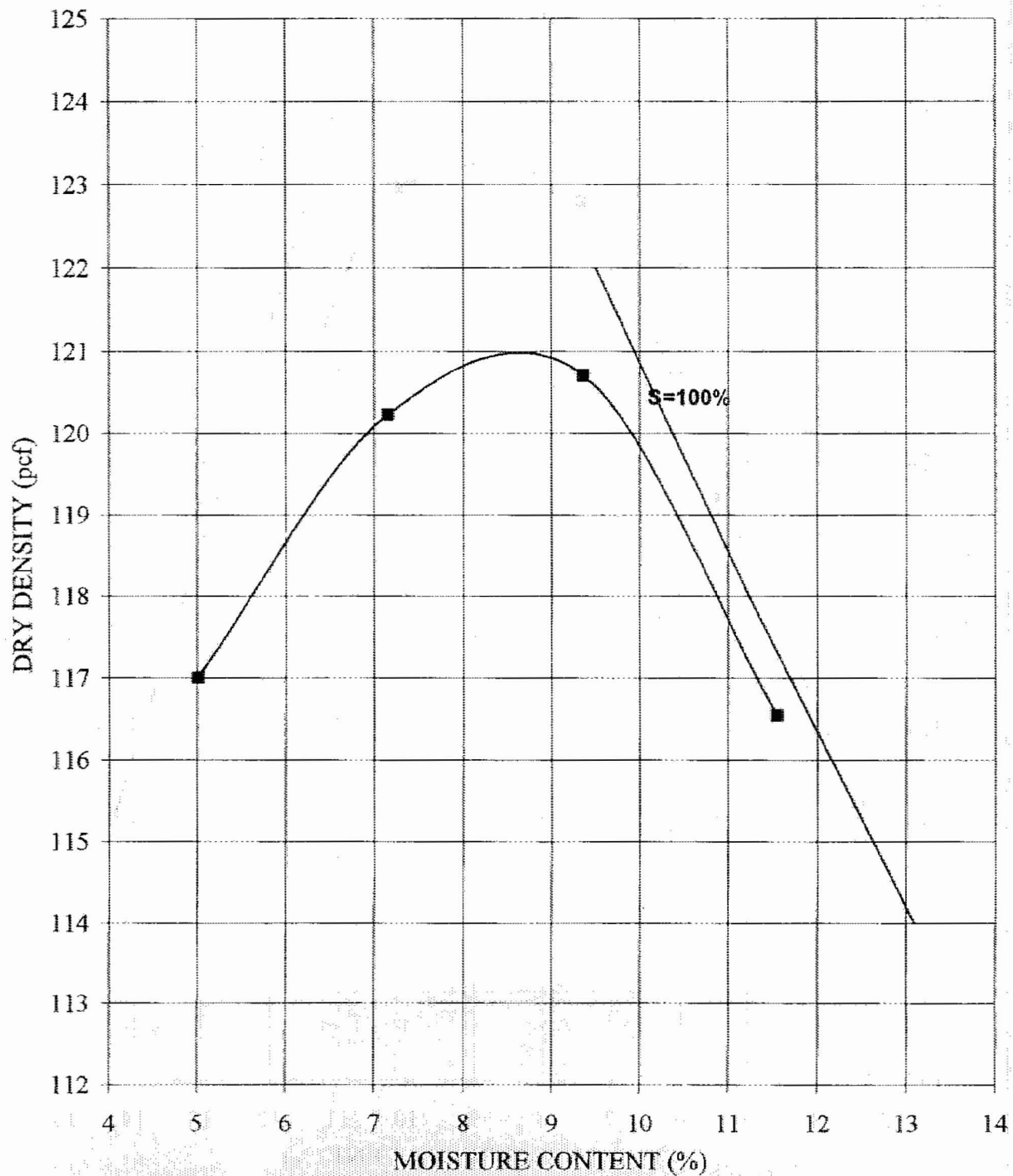
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland			Contract No.	06120048.00	Date:	9/22/2006	
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-727	6.0-7.0	Silty SAND, dark brown	SM					
Assumed Specific Gravity:		2.65		% Passing 3/4" Sieve:				100.0
				% Passing #4 Sieve:				100.0
Maximum Dry Density (pcf):		130.5		Optimum Moisture Content (%):				6.8



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

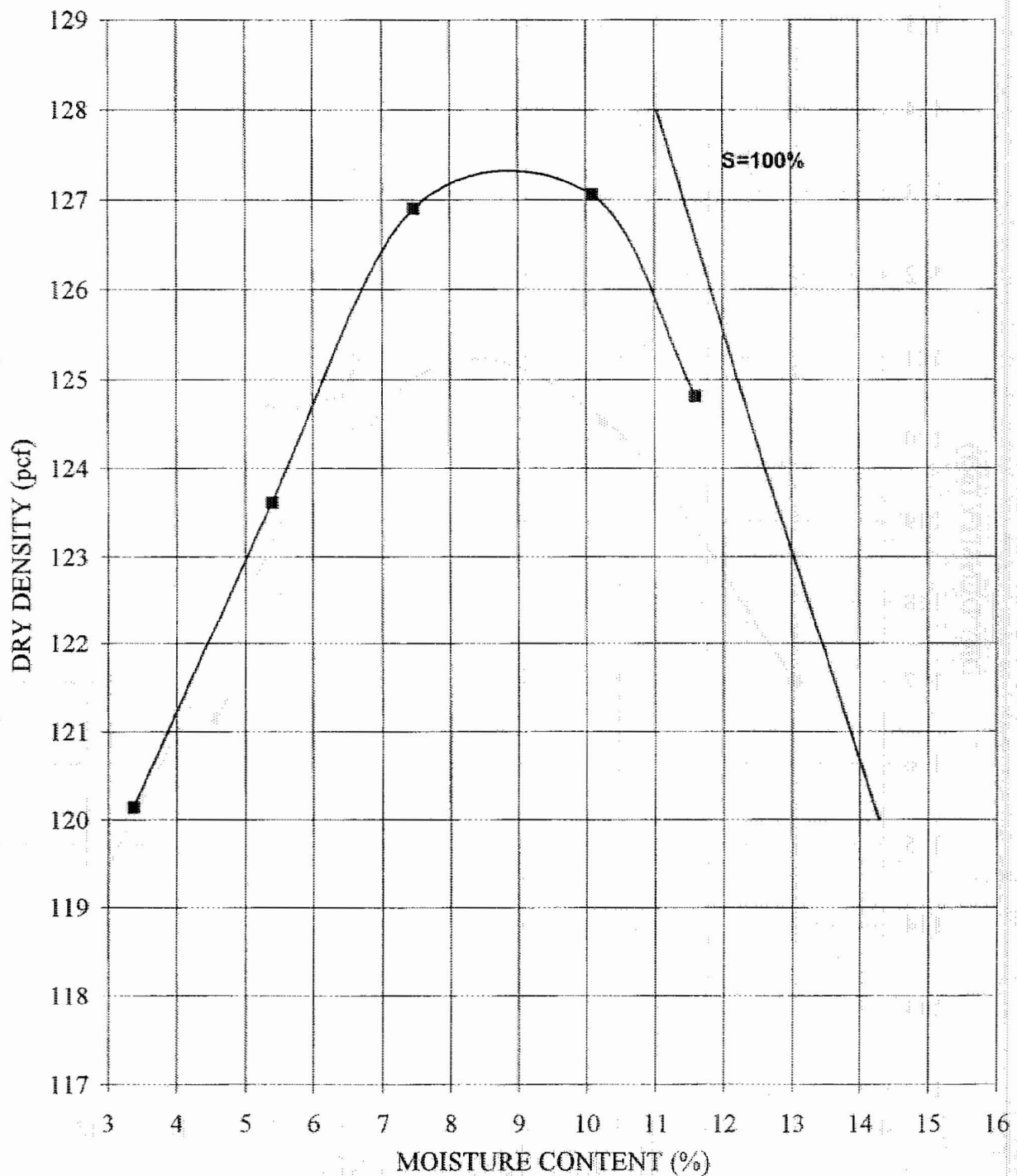
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/22/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-B-744	1.5-2.5	Sandy LEAN CLAY, dark brown	CL	25	8			
Assumed Specific Gravity:	2.65	% Passing 3/4" Sieve:	100.0					
		% Passing #4 Sieve:	100.0					
Maximum Dry Density (pcf):	131.2	Optimum Moisture Content (%):	8.0					



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

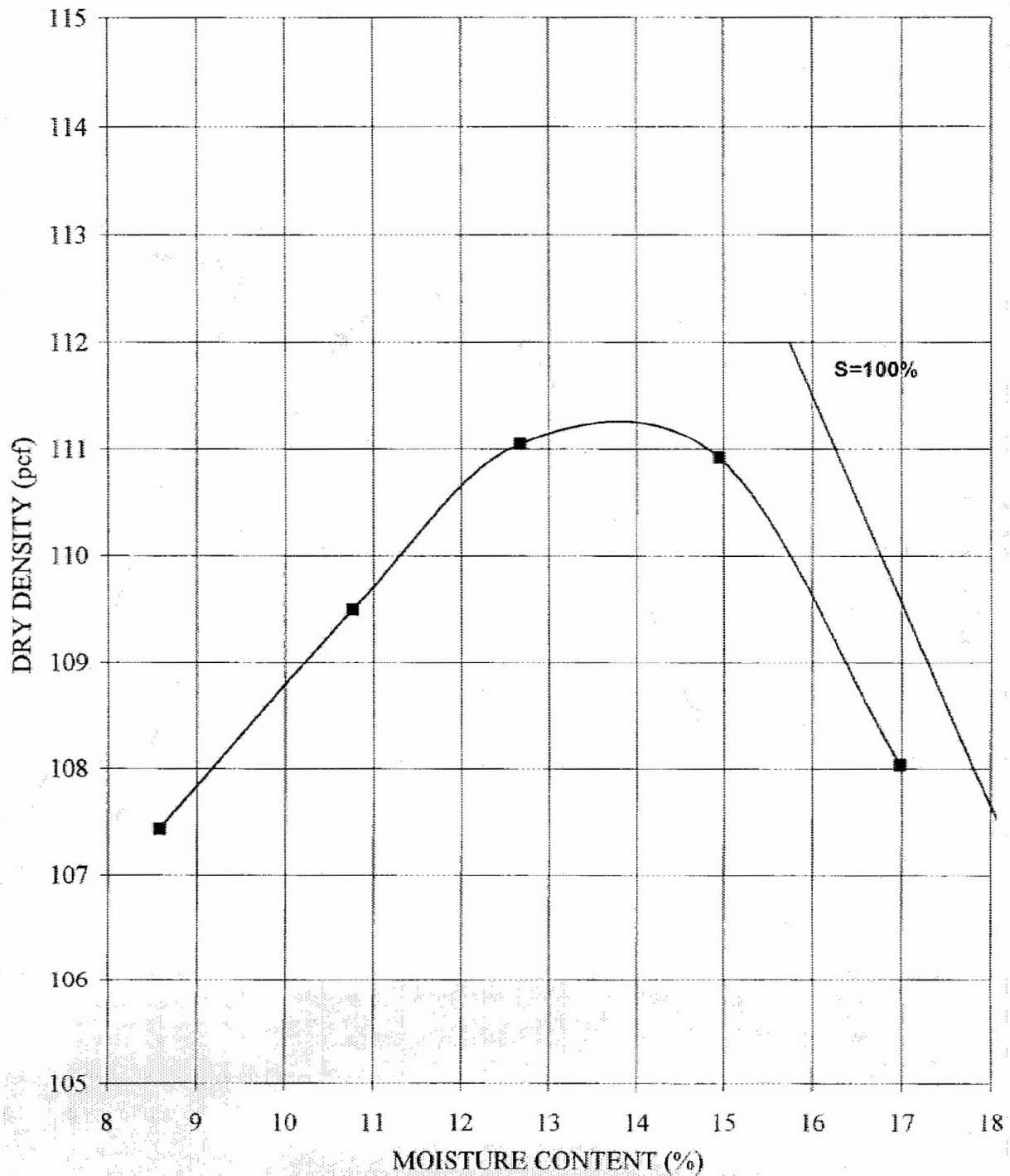
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/21/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-B-758	2.0-3.0	Poorly Graded SAND, with silt, trace gravel, brown	SP-SM					
Assumed Specific Gravity:		2.40	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		99.2			
Maximum Dry Density (pcf):		121.0	Optimum Moisture Content (%):		8.8			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

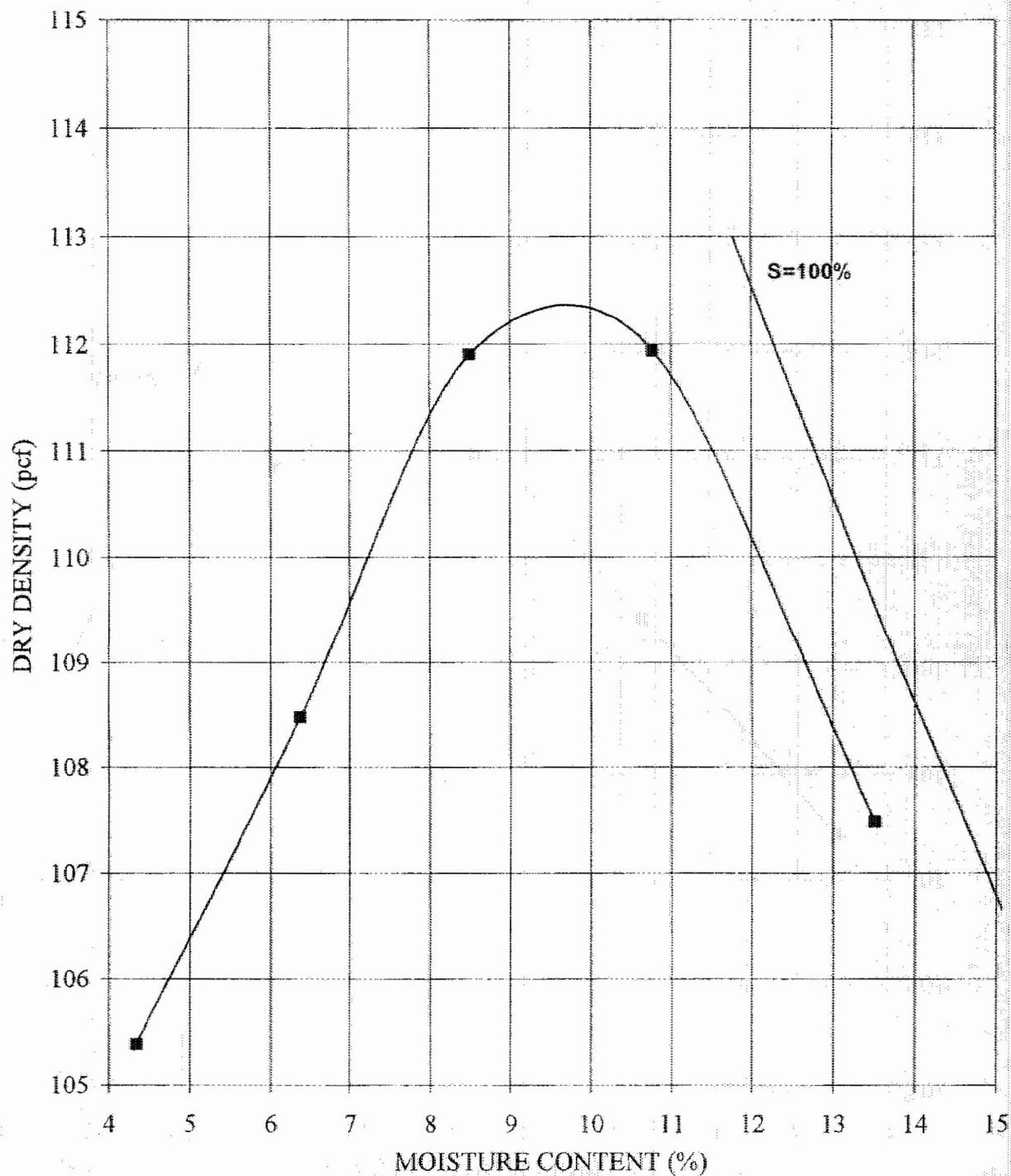
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/18/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-B-758	7.5-8.5	Silty SAND, trace gravel, light brown	SM					
Assumed Specific Gravity:		2.65	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		97.4			
Maximum Dry Density (pcf):		127.3	Optimum Moisture Content (%):		8.9			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

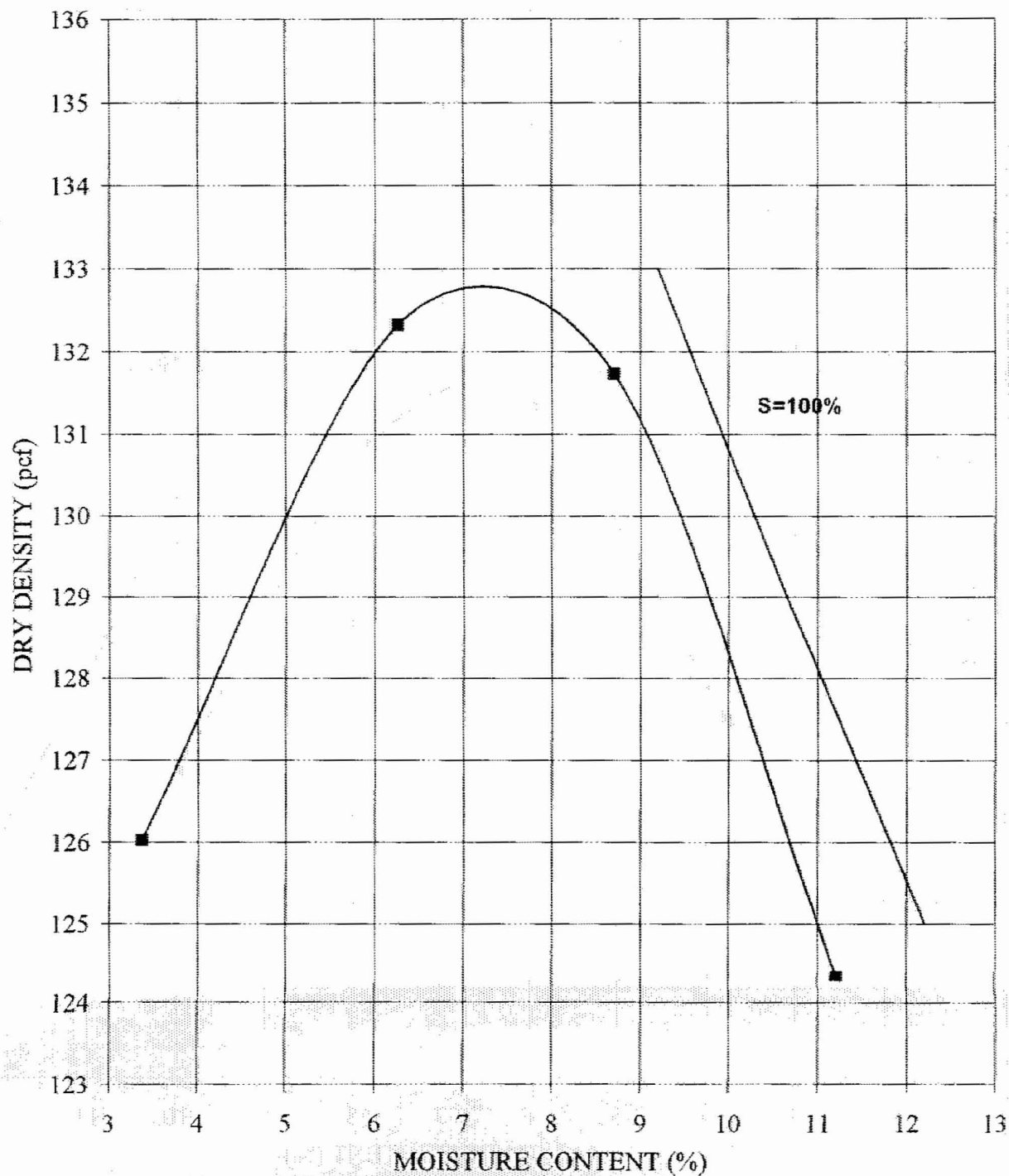
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/11/2006
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-C-309	2.0-3.0	Poorly Graded SAND, trace silt and gravel, brown	SP					
Assumed Specific Gravity:		2.50	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		98.8			
Maximum Dry Density (pcf):		111.2	Optimum Moisture Content (%):		13.9			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

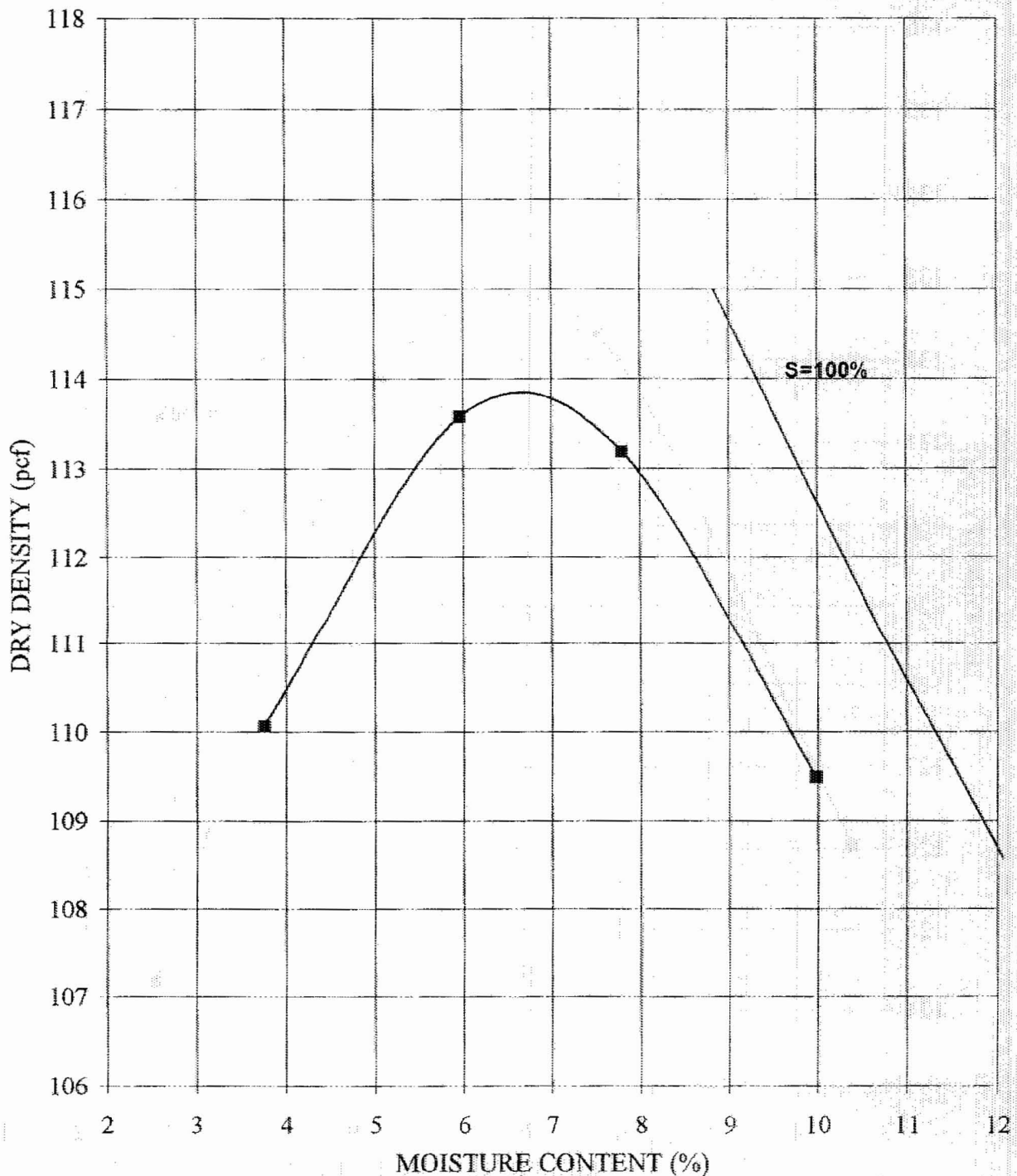
Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/26/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-C-309	7.0-8.0	Poorly Graded SAND, with silt, light brown	SP-SM					
Assumed Specific Gravity:		2.30	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		100.0			
Maximum Dry Density (pcf):		112.3	Optimum Moisture Content (%):		9.8			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9-18-06
Boring No.	Depth (ft)	Sample Description	Class	LL	PI			
TP-C-723	2.5-3.5	Clayey SAND, dark brown	SC	30	15			
Assumed Specific Gravity:		2.65	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		100.0			
Maximum Dry Density (pcf):		132.8	Optimum Moisture Content (%):		7.3			



MOISTURE-DENSITY RELATION

ASTM D-1557 Method A

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland				Contract No.:	06120048.00	Date:	9/26/2006
Boring No.	Depth (ft)	Sample Description	Class.	LL	PI			
TP-C-723	6.0-7.0	Poorly Graded SAND, with silt, trace gravel, brown	SP-SM	30	15			
Assumed Specific Gravity:		2.20	% Passing 3/4" Sieve:		100.0			
			% Passing #4 Sieve:		98.8			
Maximum Dry Density (pcf):		113.8	Optimum Moisture Content (%):		6.8			

Schnabel Project No. 06120048
Appendix I: Soil Laboratory Testing

CALIFORNIA BEARING RATIO RESULTS

1000

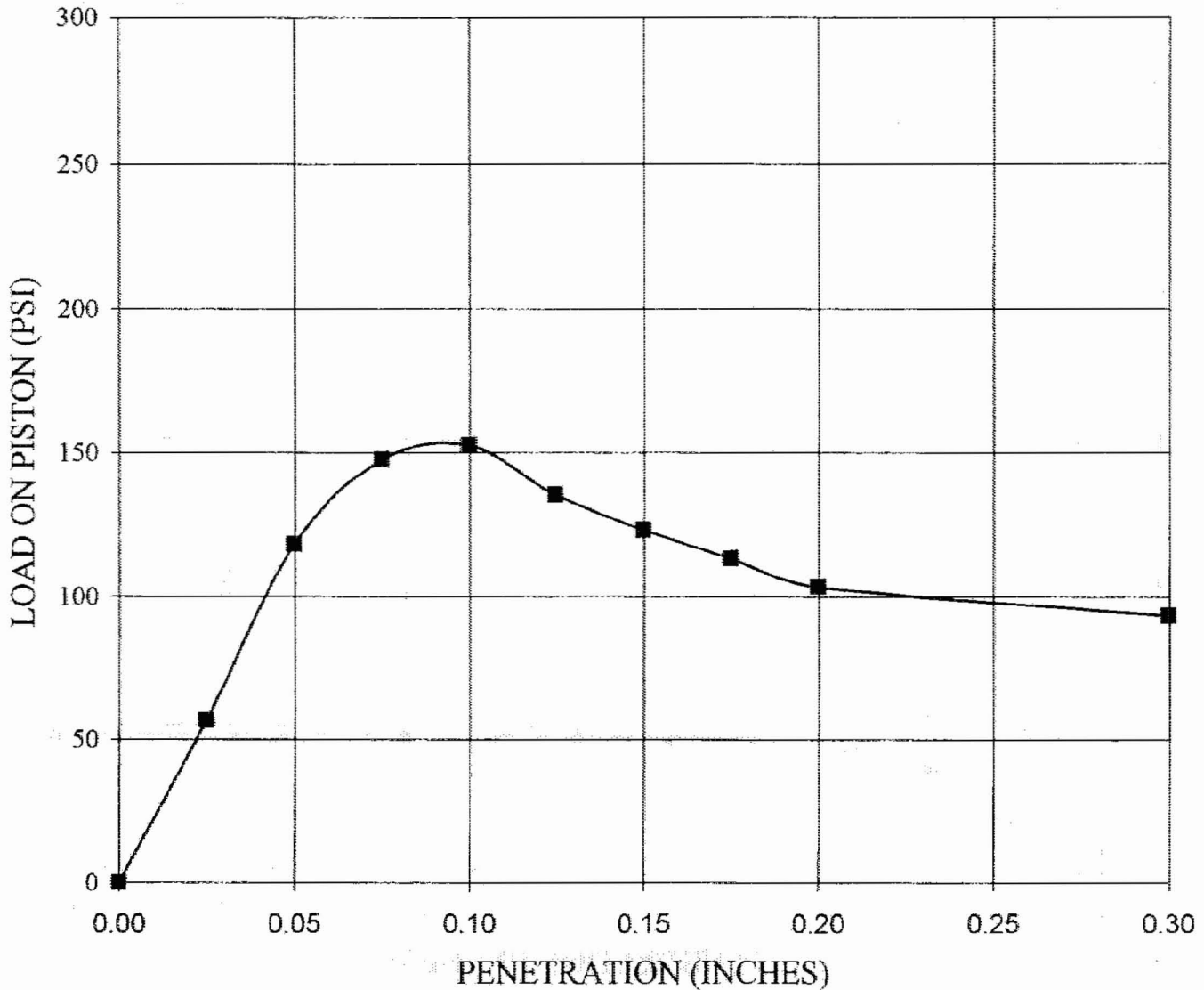
1000

1000

1000

1000

UNSOAKED CBR

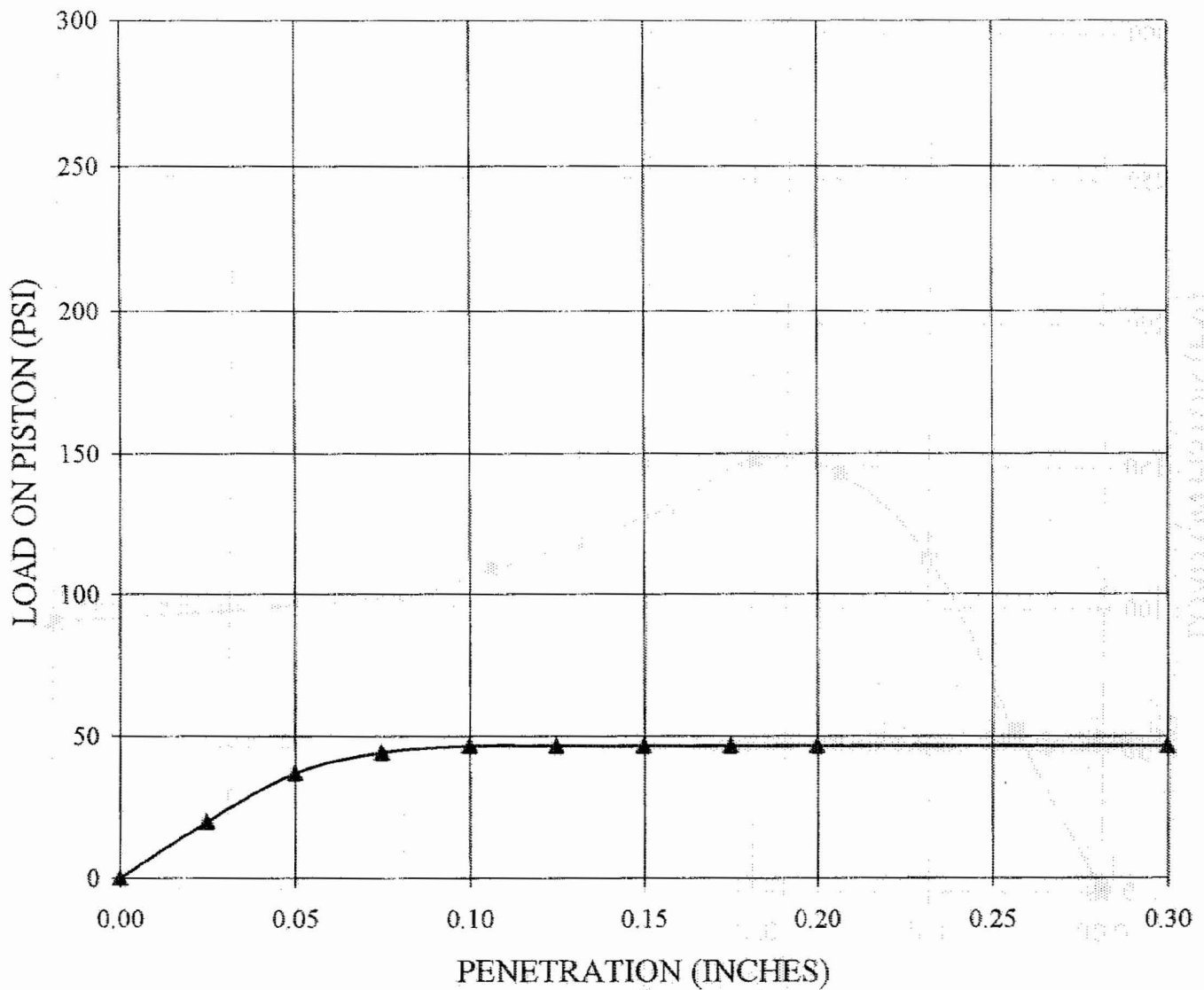


CALIFORNIA BEARING RATIO

ASTM D-1883

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	9/25/2006
Boring No.	Depth (ft)	Sample Description				
TP-B-307	4.5-5.5	Poorly Graded SAND, with silt, brown				
CBR (Unsoaked):	14.8	Soaking Time:	N/A			
Surcharge:	50 PSF	Swell:	N/A			
DRY DENSITY, PCF		MOISTURE CONTENT, %				
Before Soaking:	103.8	Before Soaking:	9.7			
After Soaking:	N/A	After Soaking:	N/A			
Max. Dry Density:	109.3	Optimum Moisture:	10.5			

SOAKED CBR

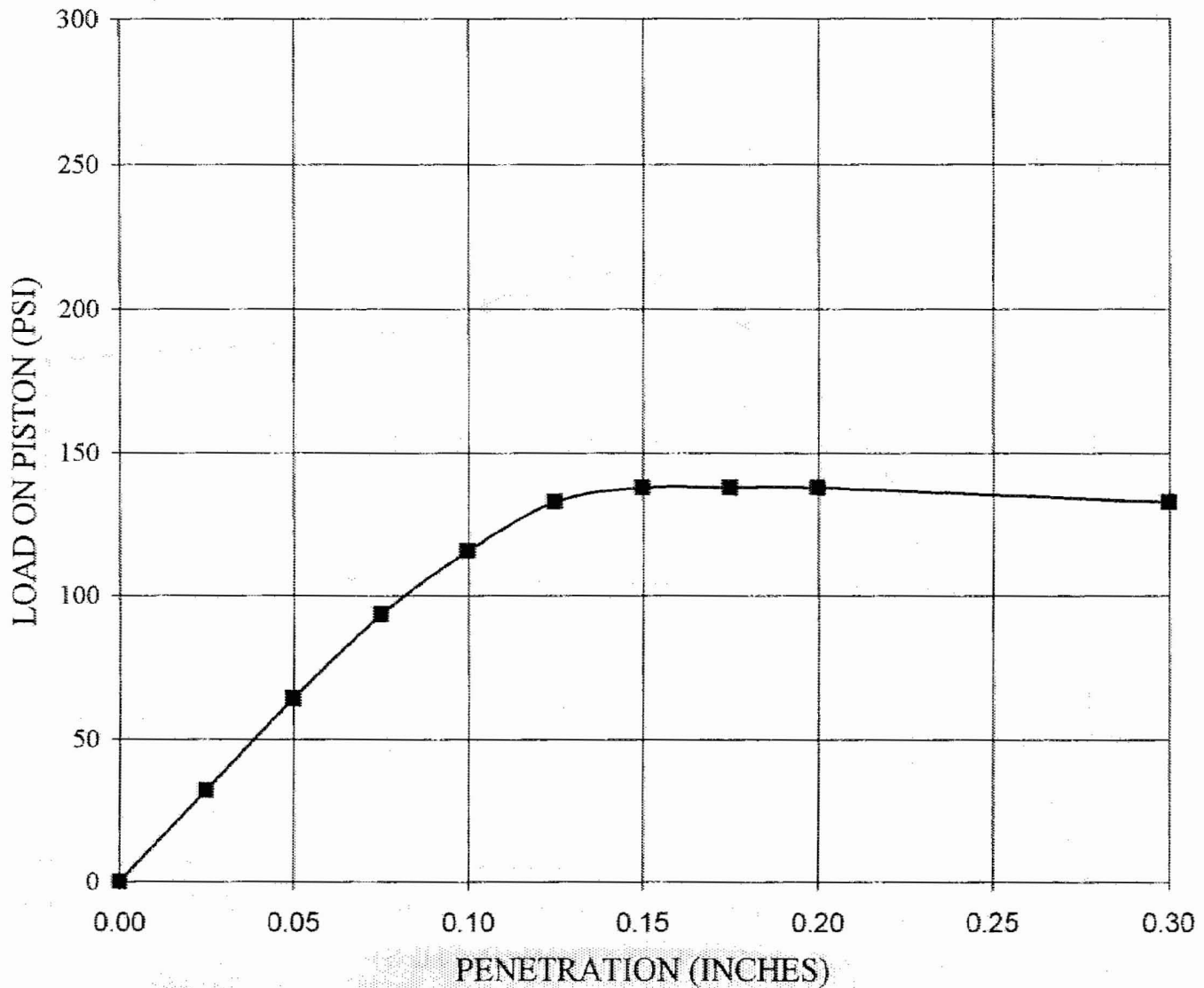


CALIFORNIA BEARING RATIO

ASTM D-1883

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	9/25/2006
Boring No.	Depth (ft)	Sample Description				
TP-B-307	4.5-5.5	Poorly Graded SAND, with silt, brown				
CBR (Soaked):	4.4	Soaking Time:	4 Days			
Surcharge:	50 PSF	Swell:	0.0%			
DRY DENSITY, PCF		MOISTURE CONTENT, %				
Before Soaking:	103.8	Before Soaking:	9.7			
After Soaking:	103.7	After Soaking:	12.8			
Max. Dry Density:	109.3	Optimum Moisture:	10.5			

UNSOAKED CBR



CALIFORNIA BEARING RATIO

ASTM D-1883

Project:	Constellation Energy Group COLA Project, Calvert Cliffs Nuclear Power Plant (CCNPP), Calvert County, Maryland		Contract No.:	06120048.00	Date:	9/26/2006
Boring No.:	Depth (ft)	Sample Description				
TP-B-315	6.0-7.0	Poorly Graded SAND, with silt, tan				
CBR (Unsoaked):	11.6	Soaking Time:	N/A			
Surcharge:	50 PSF	Swell:	N/A			
DRY DENSITY, PCF		MOISTURE CONTENT, %				
Before Soaking:	109.2	Before Soaking:	11.6			
After Soaking:	N/A	After Soaking:	N/A			
Max. Dry Density:	114.9	Optimum Moisture:	11.4			