

Boring B-3
 District: _____ County: Butler
 SR: (sr/seg/offset) _____ Section: section
 Baseline: _____
 Sta.: 0+76 Offset: 12RT
 Segment: segment Offset: _____
 Coordinates:
 Lat. _____ Long. _____
 N. _____ E. _____
 Ground Elev. 965.6
 Water Level Elev./Elapsed Time:
 Initial 951.6 Elapsed 0830
 Final 18 Elapsed 1000
 Driller: ALV
 Company: AL Drilling, Inc.

Drilling Start: 8/2/93
 Drilling Complete: 8/3/93
 Grouting Complete: 8/5/93
 Rig: CME-45
 Hammer Type: Safety
 SPT Hammer Efficiency:
 Assumed 0.6 Measured 0.45
 Hammer Calibration Date: 10/12/11
 Hole Type: Boring
 Casing Type: (case type)
 Casing I.D.: 4" Casing Depth: 13.5'
 Rock Core Method: (core method)
 Inspector: ERK
 Inspector Cert. No.: _____

PG/PE Seal, Signature and Date

Final Log Checked and Approved By: _____
 Date: 8/30/91

NOTE: N values and all graphical plots are for information only.

ELEV.	GRAPHIC	MATERIAL DESCRIPTION COMMENTS - OBSERVATIONS	AASHTO / USCS	DEPTH	SAMPLE No.	BLOW COUNTS (Blows/ 0.5ft)	N ₆₀ -- RQD %	REC (ft.)	REC (%)	RQD ◊ SOIL/ROCK REC.%				
										20	40	60	80	
										SPT (N) ▲				
										10	20	30	40	
963	(Alluvial)	0.0-9.5': Brown and Gray Sand, Little to Some Rock Fragments, Little Clay, Trace Silt, Loose to Dense, Moist	a-1-a sp-sc	0	S-1	3 3 4/6"	5	1'6"	67					
				3	S-2	5 13 21	26	1'6"	50					
					S-3	35 23 24	35	1'6"	44					
960			a-2-7 sm-sc	6	S-4	25 27 17	33	1'6"	100					
					S-5	7 8 16	18	1'6"	100					
957				9	S-6	9 7 12	14	1'6"	89					
954	(Alluvial)	9.5-13.0': Brown and Gray Clayey Sand, Trace Silt and Rock Fragments, Medium Dense, Moist to Wet	a-2-6 sp-sc	12	S-7	5 8 7	11	1'6"	67					
					S-8	2 4 9	10	1'6"	44					
951		13.0-14.8': Black Bituminous Coal, Very Broken, Soft (RQD=0%)			S-9	9 19 65	63	1'6"	100					84
				15	R-1		0	2'	75					
948		14.0-17.8': Gray to Dark Gray Clayshale, Broken to Blocky, Very Soft	a-6 cl											
		.Coal Seam From 16.1-16.2' (RQD=0%)		18	R-2		40	5'	83					

