



BORING LOG

BRADFORD  
BF 0191(29)  
VT-25B BR-1

Boring No.: **B-104**  
Page No.: 1 of 2  
Pin No.: 13C054  
Checked By: BLS

Boring Crew: JUDKINS, HOOK, STRINGER  
Date Started: 6/20/14 Date Finished: 6/30/14  
VTSPG NAD83: N 542391.36 ft E 1735533.85 ft  
Station: 15+55 Offset: 14.50  
Ground Elevation: 480.0 ft

Type: WB SS  
I.D.: 4 in 1.5 in  
Hammer Wt: N.A. 140 lb.  
Hammer Fall: N.A. 30 in.  
Hammer/Rod Type: Auto/AWJ  
Rig: CME 55 TRACK C = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
06/24/14	14.6	AM
06/26/14	12.8	AM
06/30/14	14.2	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate min/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	[Pattern]	A-1-b, Sa, brn, Moist, Rec. = 0.7 ft				WH-1-1-2 (2)	8.5	17.6	70.4	12.0
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft				1-1-1 (2)	10.3	24.5	63.6	11.9
10	[Pattern]	A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				2-1-2-2 (3)	7.2	35.3	58.0	6.7
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				2-2-4-5 (6)	6.2	37.3	56.7	6.0
15	[Pattern]	Visual Description: GrSa, brn, Moist, Rec. = 0.2 ft, Lab Note: Material similar as 6-8 ft.				6-3-4-4 (7)				
		Field Note: No Recovery. Appears to be tree root, Cleaned out with Roller cone.				4-4-3-3 (7)				
20	[Pattern]	A-2-4, SiSa, Lt/brn, MTW, Rec. = 0.1 ft				4-2-2-2 (4)	23.2	3.2	70.2	26.6
		A-2-4, GrSa, Lt/brn, Moist, Rec. = 1.2 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				3-13-26-27 (39)	13.8	26.7	54.0	19.3
25	[Pattern]	A-1-b, GrSa, brn-white, Moist, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				30-26-24-R@1.0" (50)	10.9	42.9	44.3	12.8
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				15-17-12-14 (29)	11.8	63.0	29.2	7.8
30	[Pattern]	Lab Note: Sample was mostly Broken Rock, brn-yellow, Moist, Rec. = 0.5 ft, Cleaned out with NXDC. Lab Note: Broken Rock was within sample.				9-5-4-3 (9)	8.3	82.3	14.8	2.9
		Field Note: Cleaned out with NXDC								
35	[Pattern]	Field Note: No Recovery, Rock in sampler.				6-5-8-4 (13)				
		Field Note: No Recovery								
40	[Pattern]	Field Note: No Recovery				2-3-2-4 (5)				
		A-2-4, Sa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				2-2-3-4 (5)	20.1	18.8	64.8	16.4
45	[Pattern]	Field Note: Cleaned out with NXDC								
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				11-7-7-11 (14)	18.5	17.8	43.1	39.1
50	[Pattern]	Field Note: Cleaned out with NXDC								
		A-2-4, GrSa, brn-orange, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				24-20-20-29	14.7	21.6	63.0	15.4

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
2. N Values have not been corrected for hammer energy, C is the hammer energy correction factor.  
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



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50	[Pattern]	Field Note: Cleaned out with NXDC				(40)				
		A-2-4, GrSa, gry, Moist, Rec. = 1.5 ft				18-18-28-40 (46)	12.4	31.7	50.3	18.0
55	[Pattern]	Field Note: Cleaned out with NXDC								
		A-1-b, GrSa, gry-brn, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				30-17-10-12 (27)	15.4	37.8	49.8	12.4
60	[Pattern]	Field Note: Cleaned out with NXDC								
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				6-4-5-4 (9)	10.0	62.1	27.7	10.2
65	[Pattern]	Field Note: Cleaned out with NXDC								
		A-1-b, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				30-32-15-12 (47)	12.6	43.1	42.9	14.0
70	[Pattern]	Field Note: NXDC, Cobbles, Pulled casing and changed bit.								
		Field Note: Cleaned out with NXDC								
75	[Pattern]	Field Note: No Recovery								
		Field Note: NXDC, Cobbles				R@2.5" (R)				
80	[Pattern]	77.9 ft - 80.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	1 (20)	73 (0)	3					Top of Bedrock @ 77.9 ft
		80.9 ft - 85.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	2 (20)	66 (0)	5					
85	[Pattern]	85.9 ft - 90.9 ft, Gray, Micaceous quartzite with thin dark-gray Graphitic Phyllite, fine-grained and gray to light-gray. Hard, Unweathered, Poor rock, NXMDC, RMR=39. Poor RQD may be due to mechanical breakage.	3 (20)	88 (0.5)	3					
		Hole stopped @ 90.9 ft								

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BORING LOG 2 BRADFORD BF 0191(29) GPS VERMONT AOT.GDT 8/6/14

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