



BORING LOG

**MONTPELIER**  
**BO 1446(36)**  
**TH-130 BR-13**

Boring No.: **B-102**

Page No.: **1 of 2**

Pin No.: **13J082**

Checked By: **MLM**

Boring Crew: **DAIGNEAULT, NIETO**  
Date Started: **5/13/14** Date Finished: **5/14/14**  
VTSPG NAD83: **N 645735.16 ft E 1621944.70 ft**  
Station: **14+88** Offset: **-15.20**  
Ground Elevation: **534.1 ft**

Casing Sampler  
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**  
Rlg: **CME 45C SKID C = 1.33**

Groundwater Observations

Date	Depth (ft)	Notes
05/14/14	10.1	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate min/feet	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiGrSa with roots & wood pieces, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock (Slate) fragments were within sample.				1-2-2-3 (4)	12.8	31.6	41.1	27.3
		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				3-4-4-6 (8)	6.6	50.9	35.4	13.7
		A-1-b, SiSaGr, Lt/brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				6-4-3-4 (7)	12.3	42.2	36.9	20.9
		A-2-4, SiGrSa, Lt/brn, MTW, Rec. = 0.7 ft, NXDC, Cleaned out casing. Lab Note: Orange clay tile pieces & wood were within sample.				6-2-2-2 (4)	22.9	35.8	37.8	26.4
10		A-1-b, SiSaGr, brn, MTW, Rec. = 0.5 ft, Roller coned ahead. Lab Note: Wood pieces were within sample.				4-21-7-2 (28)	37.1	41.1	38.6	20.3
		Lab Note, Wood core (solid 9 inches), Lt/brn, MTW, Rec. = 0.75 ft, Roller coned and cleaned out casing.				2-5-4-4 (9)	47.8	4.3	45.0	50.7
		A-4, SaSi, Lt/gy, MTW, Rec. = 0.65 ft, Lab Note: Small pieces of wood were within sample.				5-4-3-3 (7)	42.2		62.2	37.8
		A-4, SiSa, gry, MTW, Rec. = 0.2 ft, Roller coned and cleaned out casing. Lab Note: Wood pieces were within sample.				6-3-4-7 (7)				
15		Field Note: No Recovery				6-2-4-3 (6)	17.0	58.9	32.5	8.6
		A-1-a, SaGr, gry, MTW, Rec. = 0.7 ft, Roller coned and cleaned out casing. Lab Note: Wood pieces were within sample.				3-2-2-4 (4)				
		Field Note: No Recovery, Roller coned and cleaned out casing.				12-8-8-8 (16)				
		Field Note: No Recovery				7-8-5-4 (13)	16.1	30.2	48.9	20.9
25		A-2-4, SiGrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.								

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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Groundwater Observations

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Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate min/feet	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
35		A-3, Sa, gry, Moist, Rec. = 0.6 ft				2-4-6-5 (10)	21.5	12.2	78.0	9.8
		A-2-4, SiSa, gry, Molst, Rec. = 1.0 ft				4-3-4-6 (7)	22.0	0.1	70.2	29.7
		Field Note: Roller coned and cleaned out casing. Lab Note: Wood pieces were within sample.				3-4-5-6 (9)	19.2	7.7	82.5	9.8
		A-3, Sa, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.								
45		Field Note: Broken & weathered rock								
		44.4 ft - 49.4 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 68	1 (60)	100 (76)	4	Top of Bedrock @ 44.4 ft				
					5					
					5					
50		49.4 ft - 54.4 ft, Dark-gray to silvery-gray, lustrous Phyllite & Slate, with quartz veins. Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 59	2 (60)	100 (46)	5					
					6					
					6					
					5					
55		Hole stopped @ 54.4 ft								
		Remarks: Hole collapsed at 9.7 ft.								

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