



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

**SANDGATE
BO 1441(30)
TH-9 BR-27**

Boring No.: **B-101**
Page No.: **1 of 1**
Pin No.: **13J086**
Checked By: **CEE**

Boring Crew: **JUDKINS, HOOK**
Date Started: **5/21/15** Date Finished: **5/21/15**
VTSPG NAD83: **N 245417.04 ft E 1442035.54 ft**
Station: **11+68** Offset: **-12.00**
Ground Elevation: **889.7 ft**

Casing Type: **WB** Sampler: **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
05/21/15	13.5	While drilling.
05/27/15	12.5	Prior pulling casing.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
10		A-1-b, SaGr, brn-grn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				1-1-2-4 (3)	16.5	48.7	32.5	18.8
		Field Note:, NXDC, Cleaned out casing								
20		A-1-a, SaGr, brn-grn, MTW, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				9-20-12-28 (32)	10.7	58.9	29.3	11.8
		Field Note:, NXDC, Cleaned out casing								
30		A-1-a, SaGr, brn-grn, MTW, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				19-15-14-13 (29)	11.3	58.6	29.7	11.7
		Field Note:, NXDC, Cleaned out casing								
40		A-1-a, SaGr, brn-grn, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.				14-10-11-16 (21)	10.4	60.6	24.8	14.6
		Field Note:, NXDC, Cleaned out casing								
50		A-1-a, SaGr, Lt/brn-grn, MTW, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				12-11-9-17 (20)	11.3	61.6	26.7	11.7
		Field Note:, NXDC, Cleaned out casing								
50		A-1-a, SaGr, Lt/brn-grn, MTW, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				15-17-14-15 (31)	10.7	61.1	27.1	11.8
		Field Note:, NXDC, Cleaned out casing								
50		A-1-a, SaGr, Lt/brn-grn, MTW, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				7-9-9-22 (18)	13.0	59.2	31.5	9.3
		Field Note:, NXDC, Cleaned out casing								
50		Visual Description:, Severely Weathered Rock, Lt/brn, Moist, Rec. = 0.1 ft				R@1.0" (R)				
		Field Note:, NXDC, Cleaned out casing								
50		39.5 ft - 44.5 ft, Light green & gray, PHYLLITE, with rare quartz veins. Medium hard, Slightly weathered, Poor rock, NXMDC, Rust staining on joints. RMR = 27	1 (20)	90 (8)	2 3 3 2 2					
		44.5 ft - 49.5 ft, Light green & gray, PHYLLITE, Medium hard, Slightly weathered, Poor rock, NXMDC, Rust and purple staining on joints. RMR = 27	2 (20)	100 (8)	2 2 2 2 2					
50		Hole stopped @ 49.5 ft								

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.

BORING LOG 2 SANDGATE BO 1441(30).GPJ VERMONT AOT.GDT 6/23/15