



BORING LOG

BRISTOL
BF 021-1(33)
VT-116 BR-12

Boring No.: **B-101**
Page No.: **1 of 2**
Pin No.: **13B256**
Checked By: **CEE**

Boring Crew: JUDKINS, GARROW
Date Started: 4/16/14 Date Finished: 4/21/14
VTSPG NAD83: N 603043.93 ft E 1497217.74 ft
Station: 42+76 Offset: -10.70
Ground Elevation: 642.3 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 45C SKID C = 1.33

Groundwater Observations
Date Depth Notes
04/17/14 10.3 Casing at 10.3'
04/18/14 10.5 Casing at 10.5'
04/21/14 35.9 With casing & rod.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.65 ft					
		Field Note: No Recovery	R@2.5" (R)				
5		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, NXDC, Cleaned out casing.	6-5-13-18 (18)	7.3	61.2	26.8	12.0
		A-1-b, SaGr, gm-brn, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	12-5-35-18 (R) @6.0" (R)	9.7	52.6	29.8	17.6
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	15-18-20-18 (R) @5.0" (R)	12.9	53.6	31.3	15.1
10		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, NXDC, Cleaned out casing. Lab Note: Mostly Broken Rock with sand.	18-29-20-18 (49)	17.4	56.3	32.4	11.3
		A-1-b, SaGr, red-brn, Moist, Rec. = 0.8 ft, NXDC, Cleaned out casing.	11-13-9-10 (22)	16.0	49.9	35.4	14.7
		A-1-a, SaGr, gry, Moist, Rec. = 0.4 ft, NXDC, Cleaned out casing. Lab Note: Lots of Broken Rock was within sample.	R@6.0" (R)	12.1	69.8	22.3	7.9
15		A-4, SaSi, brn, Moist, Rec. = 0.7 ft, Changed bit and sleeved down to 3 inch casing.	5-3-1-2 (4)	29.9	5.1	42.7	52.2
		A-4, GrSiSa, brn, MTW, Rec. = 0.8 ft	3-3-1-1 (4)	24.4	22.9	40.8	36.3
20		Field Note: No Recovery	7-2-3-4 (5)				
25		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	21-18-30-18 (R) @5.0" (48)	9.3	59.2	27.5	13.3
		Field Note: NXDC, Cleaned out casing.					

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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Ground Elevation: 642.3 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 45C SKID C = 1.33

Groundwater Observations
Date Depth Notes
04/17/14 10.3 Casing at 10.3'
04/18/14 10.5 Casing at 10.5'
04/21/14 35.9 With casing & rod.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/(N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft	7-15-18-21 (33)	10.5	43.9	40.8	15.3
		Field Note: NXDC, Cleaned out casing.					
35		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft, Lost Water return at 30 feet.	5-2-5-23 (7)	10.9	60.2	26.2	13.6
		Field Note: NXDC, Cleaned out casing.					
40		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft, Water return came back at 40 feet.	8-11-4-9 (15)	9.7	65.0	27.7	7.3
		Field Note: NXDC, Cleaned out casing.					
45		A-1-a, Gr, gm, Moist, Rec. = 0.6 ft, Lab Note: Mostly Broken Rock.	16-10-12-17 (22)	7.7	78.6	16.9	4.5
		Field Note: NXDC, Cleaned out casing.					
50		A-1-b, SaGr, red-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	2-5-4-9 (9)	12.4	48.9	40.1	11.0
		Hole stopped @ 52.0 ft					
55		Remarks: 1. Hole collapsed at 12.5 ft.					

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BORING LOG 2 BRISTOL BF 021-1(33).GPJ VERMONT AOT.GDT 5/5/14

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Boring No.: **B-102**
Page No.: **1 of 2**
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Checked By: **CEE**

Boring Crew: JUDKINS, GARROW, NIETO
Date Started: 4/08/14 Date Finished: 4/16/14
VTSPG NAD83: N 603167.73 ft E 1497192.96 ft
Station: 44+01 Offset: 8.80
Ground Elevation: 645.3 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
Rig: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
04/09/14		No water to depth.
04/16/14	47.4	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.57 ft					
		A-1-b, SiSaGr, Lt/brn, MTW, Rec. = 0.7 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	18-32-25-18 (57)	8.7	43.4	36.2	20.4
		Visual Description: Broken Rock with sand, brn, MTW, Rec. = 0.1 ft, Insufficient sample for testing.	8-8-7-9 (15)				
5		A-1-b, SiSaGr, brn-Lt/gry, Molst, Rec. = 1.1 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	37-29-30-R@1.0" (59)	7.6	47.4	31.0	21.6
		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	24-27-22-9 (49)	11.6	49.4	32.1	18.5
10		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	8-7-10-12 (17)	14.4	43.4	39.0	17.6
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, NXDC, Cleaned out casing.	11-9-16-23 (25)	15.5	34.2	61.5	4.3
		A-1-b, GrSa, Lt/gry, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	11-12-9-9 (21)	12.7	43.9	44.8	11.3
15		A-1-b, GrSa, brn, Wet, Rec. = 0.5 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	5-3-22-23 (25)	14.6	39.3	43.1	17.6
		A-1-b, SiSaGr, brn-Lt/gry, Wet, Rec. = 0.6 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	38-22-18-10 (40)	12.1	39.6	38.5	21.9
20		Visual Description: Broken Rock with sand, brn-gry, Wet, Rec. = 0.1 ft, Insufficient sample for testing.	8-4-4-3 (8)	14.3			
25		A-2-4, SiSa, gry-Lt/brn, MTW, Rec. = 0.6 ft, NXDC, Cleaned out casing. Lab Note: Broken Rock was within sample.	9-12-17-12 (29)	18.1	19.6	58.0	22.4
		Field Note: NXDC, Cleaned out casing.					

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Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
04/09/14		No water to depth.
04/16/14	47.4	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SiSa, Lt/brn, MTW, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.	12-12-11-13 (23)	19.7	16.1	60.5	23.4
35		A-1-b, GrSa, Lt/brn, MTW, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.	47-22-16-13 (38)	11.4	34.3	50.5	15.2
		Visual Description: Broken Rock with sand, gry, MTW, Rec. = 0.1 ft, Insufficient sample for testing. Field Note: NXDC, Cleaned out casing.					
40		A-2-4, SiGrSa, Lt/gry, MTW, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.	14-14-10-5 (24)	14.0	24.1	53.7	22.2
45		A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	6-14-15-11 (29)	10.3	39.9	44.0	16.1
50		A-1-b, SiSaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.	13-13-16-13 (29)	9.8	43.3	35.0	21.7
		Hole stopped @ 52.0 ft					
55		Remarks: 1. Hole collapsed at 7.6 ft.					

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