

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER 6 IN N VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		Top of Well Elevation: 725.12 ft		2-3-4.4 (7)						
		S1: 0.0 ft - 2.0 ft, A-4, gray-brown (mottled), very moist, medium stiff, SILT, some fine to medium sand, trace roots (0-4"), trace clay, (ML), Rec. = 1.83 ft								
		4.3 ft - 6.2 ft, Encountered boulders. Casing could not be advanced beyond 5 ft.								
		S2: 5.0 ft - 7.0 ft, A-4, gray-brown (mottled), very moist, hard, SILT, some fine to medium sand, trace roots (0-4"), trace clay, (ML). Note: End of casing. Boulders prevented driving casing further, Rec. = 1.0 ft		15-20-42.34 (62)						
		9.0 ft - 9.8 ft, Encountered boulders.								
		S3: 10.0 ft - 10.33 ft, A-1-b, gray-brown, wet, medium dense, clean medium to coarse SAND, some angular rock fragments, (SP), Rec. = 1.0 ft		5-9-13-22 (22)						
		10.33 ft - 12.0 ft, A-7-6, gray and brown, slightly moist, very stiff, SILT, thinly varved, (MH), P.P. = 1.25, 1.75 tsf								
		S4: 15.0 ft - 17.0 ft, A-7-6, gray and brown, slightly moist, very stiff, SILT, thinly varved, (MH), Tv = 4.5 tsf, Rec. = 0.83 ft		7-12-14.29 (26)						
		S5: 17.0 ft - 19.0 ft, A-7-6, gray and brown, slightly moist, hard, SILT, trace gravel, trace fine sand, thinly varved, (MH), P.P. = 4.5, 1.5, 2.5, tsf; Tv = 1.0 tsf, Rec. = 1.33 ft		7-13-19.29 (32)	37.0	1.8	0.8	97.4	53	23
		S6: 19.0 ft - 21.0 ft, A-7-6, gray and brown, slightly moist, hard, SILT, trace gravel, thinly varved, (MH), Rec. = 0.17 ft		14-18-20.17 (38)						

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER 6 IN N VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		S7: 25.0 ft - 27.0 ft, A-7-6, gray and brown, slightly moist, hard, SILT, trace gravel, thinly varved, (MH), P.P. = 2.5, 2.75 tsf; Tv = 1.25 tsf, Rec. = 1.17 ft		8-14-21.25 (35)						
		S8: 30.0 ft - 32.0 ft, A-7-6, gray and brown, slightly moist, very stiff, SILT, trace gravel, thinly varved, (MH), P.P. = 2.25, 3.0, 1.5 tsf; Tv = 0.625 tsf, Rec. = 2.0 ft		7-12-16.19 (28)						
		S9: 35.0 ft - 37.0 ft, A-7-6, gray and brown, slightly moist, very stiff, SILT, trace gravel, thinly varved, (MH), P.P. = 2.75, 2.75, 3.0 tsf; Tv = 1.0 tsf Note: 3/4" seam of gray fine sand at bottom of sample, Rec. = 1.67 ft		6-11-16.23 (27)						
		S10: 40.0 ft - 42.0 ft, A-7-5, gray and brown, slightly moist, very stiff, SILT, thinly varved, (CH-MH), P.P. = 2.0, 2.0, 2.0 tsf; Tv = 0.625 tsf Note: 1/2" seams of gray, very stiff, fine sand at bottom of sample, Rec. = 1.5 ft		8-12-17.22 (29)	38.4	0.0	0.5	99.5	56	26
		S11: 45.0 ft - 47.0 ft, A-7-6, gray and brown, slightly moist, hard, SILT, thinly varved, (MH), P.P. = 2.5, 2.5, 2.75 tsf; Tv = 1.25 tsf, Rec. = 1.5 ft		9-20-22.30 (42)						

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER 6 IN N VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		S12: 50.0 ft - 52.0 ft, A-7-6, gray and brown, slightly moist, hard, SILT, trace gravel, thinly varved, (MH), P.P. = 2.0, 2.0, 1.5 tsf; Tv = 1.0 tsf Note: 1/2" seams of gray, very stiff, fine sand at bottom of sample, Rec. = 1.83 ft		9-18-22.25 (40)						
		S13: 55.0 ft - 57.0 ft, A-7-6, gray and brown, slightly moist, very stiff, silty CLAY, thinly varved, (CH-MH), P.P. = 2.25, 1.25, 3.0 tsf; Tv = 0.875 tsf Note: A seam of gray fine sand at bottom of sample and occasional fine sand partings, Rec. = 1.5 ft		9-11-16.23 (27)	38.0	0.0	0.4	99.6	52	23
		60.2 ft - 61.7 ft, A-7-5, U1: Shelby tube pushed 19", Rig Jack slipped and rig moved. Tube bottom was crushed possibly from subsurface material and not rig movement, Clay, (CH)			32.0				51	26
		A-7-5								
		S14: 61.9 ft - 63.9 ft, A-1-b, dark gray, wet, very dense, fine SAND, brown silty clay seams, (SP), Rec. = 1.33 ft		19-28-25.29 (53)	33.8	0.0	0.6	99.4	58	28
		S15: 63.9 ft - 65.9 ft, A-7-5, brown, slightly moist, CLAY, gray fine sand seams, (CH), Rec. = 1.33 ft		14-21-25.34 (46)	35.4				60	30
		66.0 ft - 68.0 ft, A-7-6, U2: Tube sample taken, Rec. = 2.25 ft, Clay (CH).			36.0	0.0	1.0	99.0	58	29
		70.0 ft - 72.0 ft, A-7-6, U3: Tube sample taken, Rec. = 2.0 ft, Clay (CH).			27.0				55	28

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER 6 IN N VALUE	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	LL (%)	PI (%)
		S16: 75.0 ft - 77.0 ft, A-3, brown-gray, wet, very dense, fine SAND, (SP), Note: Mica particles are visible, Rec. = 1.67 ft		15-28-38.49 (66)						
		S17: 80.0 ft - 82.0 ft, A-3, gray-brown, wet, very dense, fine SAND, (SP), Note: Mica particles are visible, Rec. = 1.83 ft		20-33-42.51 (75)						
		S18: 85.0 ft - 87.0 ft, A-1-b, gray-brown, wet, very dense, fine SAND, little silt, trace clay, occasional black seams of silty clay (1/8" thick), (SP), Rec. = 1.83 ft		17-36-49.58 (85)						
		S19: 90.0 ft - 92.0 ft, A-1-b, brown and gray, wet, very dense, fine to medium SAND, little fine to coarse gravel (rounded), little silt, (SP), Rec. = 1.67 ft		36-80-72.59 (152)						
		Hole stopped @ 92.0 ft								

**Notes:**  
 - Vibrating wire piezometers installed at 63 and 88.3 ft. Hole fully backfilled with grout.

LOG OF BORING & WELL, NEWPORT.CITY, VT, AOT.GSD, 8/13/14

LOG OF BORING & WELL, NEWPORT.CITY, VT, AOT.GSD, 8/13/14

LOG OF BORING & WELL, NEWPORT.CITY, VT, AOT.GSD, 8/13/14

LOG OF BORING & WELL, NEWPORT.CITY, VT, AOT.GSD, 8/13/14