Borehole S-MW-2

Log of Borehole

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Project	Vandenberg	8" Hole Depth	54 feet		START / FINISH
Location	Site 45 SLC 3E	12" Hole Depth	424 feet	Date	6/2/87 / 6/2/87
Geologic Log by	Dwyer	Depth to Water	35½ feet	Time	0750 / 1010
Driller	Fred Carey (Baylik)	Rig	CME 55 ATV	How Left	Locked, above-ground well completion.
Drilling Method	Hollow-stem Auger	Bit(s)	Finger-tooth Auger Bit		
Weather	Cloudy, Cool	Ground Elevation	242.1 feet		

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Interval	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
0								
5	1, 1, 2	0.0	0.0		3½-5		3½'-5': Sandy silt (80% silt), loose, slightly moist, black (10YR 2/1). (OL)	100%
10	1, 1, 1	0.0	0.0		8½-10		8½'-10': Clayey silty sand (50% sand), medium grained, well sorted, quartz, subrounded, loose, moist, (10YR 2/1), minor fragments of light brown diatomite. (SM)	100%
15	2, 3, 3	0.0	2.0		13½-15		13½'-15': Weathered, fractured diatomite; mixed with a clayey sand with a high percentage of fractured diatomite; light grayish brown, slightly moist. (GC)	100%
20	2, 5, 8	10.0	0.0		18½-20		18½'-20': Diatomite alternating with weathered diatomite, well indurated, iron oxide staining in fractures. (GC)	50%
25	2, 4, 5	4.8	0.6		23½-25		23½'-25': Weathered diatomite (clay-like), alternating with diatomite, slightly moist, light yellowish brown (2.5Y 6/4). (GC)	90%
30	1, 2, 4	2.6			28½-30		28½'-30': Weathered diatomite (clay-like) alternating with fractured diatomite, iron oxide staining, slightly moist, light brownish gray (2.5Y 6/2). (GC)	90%
35	2, 4, 5	1.5			33½-35		33½'-35': Same as above except moist and light olive brown (2.5Y 5/4.	90%

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Log of Borehole

Project Vandenberg	8" Hole Depth 54 feet	START / FINISH
Location Site #5 SLC 3E	12" Hole Depth 42½ feet	Date 6/3/87 / 6/3/87
Geologic Log by Dwyer	Depth to Water 35½ feet	Time 0750 / 1010
Driller Fred Carey (Beylik)	Rig CME 55 ATV	How Left Locked, above-ground well completion.
Drilling Method Hollow-stem Auger	Bit(s) Finger-tooth Auger Bit	
Weather Cloudy, Cool	TOC Elevation 242.1 feet	

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Inter-val	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
35								
40		0.2	0.1		38-39½		38'-38.7': Weathered diatomite alternating with diatomite fragments, increased clay. (GC)	90%
							38.7'-39½': Weathered diatomite, silty clay (no rock fragments), light brownish gray (2.5Y 6/2). (GC)	
45	1, 8, 14	0.2			43-44½		43'-44½': Silty clay, medium dense, slightly moist, slightly plastic, dark gray (2.5Y N4), sticky. (CL)	90%
50	1, 8, 14	0.2			48-49½		48'-49½': Same as above except with less moisture content.	90%
55								