Borehole 40-MW-1

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Log of Borehole

Project	Vandenberg	8" Hole Depth	42½ feet		START / FINISH
Location	Site 840 SCL-TW	12" Hole Depth	NA	Date	8/10/87 / 8/11/87
Geologic Log by	Woods	Depth to Water	42 feet	Time	1405 / 1150
Driller	Fred Carey (Beylik)	Rig	CME 55 ATV	How Left	Grouted to surface; marked with brass cap.
Drilling Method	Hollow-stem Auger	Bit(s)	Finger-tooth Auger Bit		
Weather	Clear, Breezy, 70°F	TOC Elevation	89.0 feet		

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Interval	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
0								
5	3,6,12	28	.5		3½-5		3½'-5': Sand, medium grained, very clean quartz, feldspar, minor lithics, rounded to sub-angular, oxidation, brownish yellow (10YR 6/6). (SW)	100%
10	3,7,10	7.2	10.0		8½-10		8½'-10': Sand, very similar to above, slightly moist, very few lithics, oxidation, brownish yellow (10YR 6/8). (SW)	100%
15	8,15,27	10	7.2		13½-15		13½'-15': Sand, same as above except very clean, very uniform, oxidation, brownish yellow (10YR 6/8). (SW)	100%
20	5,12,16	21	7.2		18½-20		18½'-20': Sand, same as above, yellow (10YR 7/8). (SW)	100%
25	4,13,28	10	1.3		23½-25		23½'-25': Sand, same as above. (SW)	100%
30	4,6,7	44	.5		28½-30		28½'-30': Sand, fine- to medium-grained, minor-moderate fines, distinctive color change at 29', below is fine grained, dark yellowish brown (10YR 4/6), above yellow (10YR 7/8), coarse and very clean oxidation. (SW)	100%

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Log of Borehole

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Project: Vandenberg	8" Hole Depth: 42½ feet	START FINISH
Location: Site 840 SCL-W	12" Hole Depth: NA	Date: 8/10/87 8/11/87
Geologic Log by: Woods	Depth to Water: 42 feet	Time: 1405 1450
Driller: Fred Carey (Beylik)	Rig: CME 55 ATV	How Left: Grouted to surface, marked with brass cap.
Drilling Method: Hollow-stem Auger	Bit(s): Finger-tooth Auger Bit	
Weather: Clear, Breezy, 70°F	TOC Elevation: 89.0 feet	

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Interval	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
35	5,8,28	5.0	1.7		33½-35		33½'-35': Sand, fine- to medium-grained, rounded to subangular, well compacted, minor fines, oxidation, quartz, feldspar with minor lithics, yellowish brown (10YR 5/8). (SW)	100%
40	24:30	6.8	.2		38½-40		38½'-40': Sand, same as above except at 39.75' diatomite fragments with clay mixture, wet. (SW)	85%
							41½'-42': Bedrock.	
45	43 TOR		0.0		42-42½		42'-42½': No recovery, bit refusal. (NR)	0%
50								