Borehole 25-MW-2

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Log of Borehole

Project: Vandenberg	8" Hole Depth: 54 feet		START / FINISH
Location: Site 825 SLC 2E	12" Hole Depth: 17 feet		Date: 5/11/87 / 5/11/87
Geologic Log by: Dwyer	Depth to Water: 13 feet		Time: 0955 / 1220
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: Foggy, Cool, Calm	TOC Elevation: 174.4 feet		

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Interval	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
0								
5	2,3,4	7.7	0.0		4-5½		4'-5½': Sand (100%), coarse grained, well sorted, quartz, subrounded, loose, moist, reddish-yellow (7.5YR 6/6). (SP)	95%
10	2,4,7	10.0		5372	9-10½		9'-10½': Sand (100%), medium- to coarse-grained, moderately well sorted, quartz, subrounded, loose, very moist, reddish-yellow (7.5YR 6/6), minor chert, mafics. (SP)	100%
15	10, 12, 12	1.8	0.0	5373	14-15½		14'-14½': Silty sand (90%), fine- to medium-grained, moderately well sorted, subangular, medium dense, saturated, (10YR 4/6). (SM/SP)	100%
20	25/6"	0.0	0.0		19-20½		14½'-15½': Diatomite, banded, iron oxide infractures, silicified layers, white (7.5YR N/8). (RX)	20%
25	NA				24-25½		19'-20½': Greenish gray diatomite, banded, silicified, fissile in some layers. (RX)	
30	15/6"	0.0	0.0		29-30½		24'-25½': No sample - cuttings are clayey sand, light brown, moist, with fragments of gray diatomite.	
35	19/8"	9.0		5374	34-35½		29'-30½': Gray and greenish gray diatomite, banded with silicified layers, highly fractured, dry with .3' thick moist layer at 30"; minor iron oxide. (RX)	80%
							34'-35½': Greenish gray diatomite, silicified, very crumbly, 60% "weathered" material. (RX)	

OVA background 3.7ppm

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Log of Borehole

Project: Vandenberg	8" Hole Depth: 54 feet		START / FINISH
Location: Site #25 SLC 2R	12" Hole Depth: 17 feet	Date	5/11/87 / 5/11/87
Geologic Log by: Dwyer	Depth to Water: 13 feet	Time	0955 / 1220
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: Foggy, Cool, Calm	TOC Elevation: 174.4 feet		

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample #	Sample Interval	Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
35								
40	15/6"	0.0			39-40½		39'-40½': Gray diatomite with iron oxide staining in fractures, some fissility, 50% crumbled weathered material. (RX)	20%
45	20/6"		0.0		44-45½		44'-45½': Brown siltstone, banded, some iron oxide staining, some black chert layers, some fissile layers, dark grayish brown (10YR 4/2). (RX)	60%
50	25/6"	4.8	0.0		49-50½		49'-50½': Brown siltstone, iron oxide staining in fractures, minor black coal-like flecks, well indurated. (RX)	25%
55					54-55½		54'-55½': No sample - stopped drilling at 54'.	