HYDRO GeoLogic INC.

Project No: MCC001901030201
Project: Final Remedial Investigation
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing: 640046.635

Borehole ID: HGL29(24MW10B)
Date: 11/6/2002
Geologist: M. Jackson
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): 459.22
Easting: 1768169.031

24-MW-10A
24-PMW-10

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
		Clayey sand Dark yellowish brown, moist, soft, 85% coarse grained sand, 15% clay (fill)	Fill	455					
2									
4		***Poorly graded sand*** Light brown, moist, soft, 100% fine grained sand	SP						
6					100	13/29/44	1.5		
8									
10					70	22/20/37	1.4		
12		unit becomes dark yellowish orange, very moist, moderately dense, 100% medium grained sand at 15'							
14									
16		trace clay stringers at 16'			95	26/40/44	1.8		
18									
20		unit saturated at 20'	CL		90	20/18/24	1.4	▼	Set temporary well at 19'-20' to collect shallow zone water.
22		clay with silt lenses encountered at 20.5' to 20.75' and 22' to 22.75' (Light brownish gray, moist, moderately stiff, 95% clay, 5% silt)	SP CL SP						
24									
26		unit became pale yellowish brown and very moist at 25'			100	25/50/50	1.4		
28									
30		unit became saturated at 35'			50	26/50 for 5"	1.4		
32									
34		lense of clayey sand from 39' to 40' [pale yellowish brown with dark yellowish brown (30%) mottling, moist, dense, 70% fine sand, 30% clay]							
36					95	28/48/50 for 5"	1.2	▼	
38									0730 Set intermediate temporary well at 39.5', just above clay.
40			CL	419	50	50 for 4"	1.3		

Drilled By: Layne Christensen
Drill Method: Dual Tube Percussion
Drilling Equipment: AP-1000
Sampling Equipment: CA Mod Split Spoon

HydroGeoLogic, Inc.
4600 Northgate Blvd., Suite 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"
Total Depth Drilled: 64'
Sheet: 1 of 2

Borehole ID: ***HGL29(24MW10B)***

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SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
42			SP		50				
44		unit becomes 100% medium grained sand at 45'							
46					70	36/50 for5"	2.3		
48									
50				409					
52		***Well graded sand with trace gravel*** Pale yellowish brown with iron oxide staining (30% staining from 50' to 50.5'), moist, 97% medium grained sand, 3% gravel (3 mm x 2 mm)	SW		66	30/50 for 3"	2.1		
54				404					
56		***Poorly graded sand*** Pale yellowish brown, saturated, soft, 100% coarse grained sand	SP		80	23/50/50 for 4"	1.9		
58									
60					70	37/50 for 5"	2.0		
62				395					11-6-02 0835 Set deep temporary well at 64' on top of clay.
64		***Clay with silt*** Medium gray, moist, stiff, carbon areas (similar to charcoal) 2%, 90% clay, 10% silt	CL						
66									
68									
70									Converted boring to deep well 24MW10B. Wells 24PMW10 and 24MW10A placed adjacent to this boring.
72									
74									
76									
78									
80									

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