24-MW-5B
24-MW-5A
24-PMW-5

LEE & RO, Inc.

BOREHOLE LOG

Project Name:	Vandenberg AFB - Site 24	**Project Number:**	00101	**Sheet 1 of 3**	
Borehole Location:	Northeast of Sump	**Borehole No.**	24-BH-3	**Total Depth (ft):**	85.5'
		Driller:	J. Pottroff	**Depth to Bedrock (ft):**	N/A
Drilling Agency:	Water Development	**Date Started:**	2-24-97	**Depth to Water (ft):**	see Remarks
Drilling Equipment:	CME 1050	**Date Finished:**	2-24-97	**Elevation:**	456.02ft MSL
Drilling Method:	Hollow Stem Auger	**No. of Samples:**	8	**Datum:**	NGVD1929
Drilling Fluid:	None	**Borehole Diameter (in):**	8"	**Northing:**	2099825.153
Completion Information:	Completed as a monitoring well (24-MW-5B) on 2/25/97	**Logged by:**	F. Bush	**Easting:**	5801355.646
		Checked by:	T. Tosk	**Date:**	2-25-97

Depth (feet)	Sample No.	Interval	Blow Count	Recovery	Time	LEL (%)	PID (ppm)	Graphic	USCS	Lithologic Description	Remarks
0									SP (AF)	GRAVELLY SAND: (Fill) olive brown (2.5Y4/3); 70% fine-med rnd qtz sand; 20% sub-rnd qtz gravel; dry; no odor	Depth to water: perched: 10' deep: 55'
									SM	SILTY SAND: yellowish brown (10YR5/6); 70% fine-med rnd qtz sand; 20% low plasticity silt; soft; moist; no odor	
5	4'		3/5/12	100%	1050		0			SILTY SAND: changes to light olive brown (2.5Y5/3)	
10	9'		16/18/2	100%	1100		0			SILTY SAND: changes to mottled light olive brown (2.5Y5/5) and yellowish brown (10YR5/8); wet	
15	14'		10/8/11	100%	1105		0			SILTY SAND: changes to light olive brown (2.5Y5/4)	
20	19'		9/13/15	100%	1115		0		CL	CLAY: very dark gray (10YR3/1); 80% med plasticity, med still clay; 10% low plasticity silt; 5% fine-med rnd qtz sand; soft; dry; no odor	
25	24'		12/16/1	100%	1125		0		SM	SILTY SAND: light olive brown (2.5Y5/3); 65% fine to medium rounded qtz sand; 25% medium plasticity silt; 5% medium plasticity clay; soft; moist; no odor	
30	29'		11/16/2	100%	1145		0				

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BOREHOLE LOG
(Continuation Sheet)

Project Name: Vandenberg AFB - Site 24 **Project Number:** 00101 **Sheet 2 of 3**
Logged by: F. Bush
Borehole Location: Northeast of Sump **Borehole Number:** 24-BH-3 **Date:** 2-25-97

Depth (feet)	Sample No.	Interval	Blow Count	Recovery	Time	LEL (%)	PID (ppm)	Graphics	USCS	Lithologic Description	Remarks
35	34'		16/25/3	100%	1200		0		SM		
40	39'		15/17/2	100%	1205		0				
45	44'		15/15/2	90%	1215		0			SILTY SAND: changes to pale olive (5Y6/3); wet	
50	49'		24/20/2	100%	1220		0			SILTY SAND: grades with trace subangular siltstone gravel	
55	54'		12/18/2	100%	1230		0			SILTY SAND: changes to olive (5Y5/3)	
60	59'		13/6/9	100%	1235		0		CL	CLAY: olive (5Y5/3); 90% medium plasticity, medium stiff clay; dry; no odor	
										CLAY: grades to high plasticity clay; soft	
65	64'		4/5/8	100%	1245		0		SM		
									SM	SILTY SAND: olive (5Y5/4); 70% fine-med rnd qtz sand; 30% med plasticity silt; soft; moist; no odor	
70	69'		5/6/7	100%	1300		0			SILTY SAND: grades to wet	
75	74'		5/5/6	100%	1305		0		SP	GRAVELLY SAND: olive (5Y5/3); 65% fine-med rnd qtz sand; 25% fine to med subangular to rnd feldspar/qtz/siltstone gravel; 10% high plasticity clay; wet; no odor	

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BOREHOLE LOG
(Continuation Sheet)

Project Name: Vandenberg AFB - Site 24 **Project Number:** 00101 **Sheet 3 of 3**
Logged by: F. Bush
rehole Location: Northeast of Sump **Borehole Number:** 24-BH-3 **Date:** 2-25-97

Depth (feet)	Sample No.	Interval	Blow Count	Recovery	Time	LEL (%)	PID (ppm)	Graphics	USCS	Lithologic Description	Remarks
									SP		
80	79'		4/7/18	100%	1315		0			GRAVELLY SAND: grades to olive brown (2.5Y4/3)	
85											