SB/MW#: MW-10
#D- 9267-71
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Sampler: E. Ferguson

SOIL DRILLING LOG

PROJECT OFRP LOCATION Santa Fe Springs, CA
ELEVATION ~150' above MSL MONITORING DEVICE OVM
SAMPLING DATE(S) 12-21/22-93 START 11:00 AM - 5:00 PM FINISH 7:00 AM - 10:10 AM
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT Gregg Drilling - B-61
MEMO 6.5" O.D. Hollow Stem Augers were used to sample the borehole. (2" diameter x 6" length brass tubes). 10" O.D. Hollow Stem Augers were used to construct the wells. * Continous sampling began at 60' below surface.

Depth Below Surface (ft.)	Penetration Results Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0 **Silt**: (0,0,100,0); dark yellowish brown (10YR 4/4); non-plastic; very stiff; dry.	ML			Locking PVC Cap Concrete; Traffic Rated Well Box
5	19-38-44	82	5.0 6.5	85888	0					4" O.D. PVC Blank Casing
	4-4-18	22	8.5 10.0	85889	7					
10						@10' Olive brown (2.5Y 4/4); stiff.				10" Diameter Borehole
	13-32-25	57	13.5 15.0	85890	110					
15						@15' Greenish gray (5GY 5/1); stiff; iron-oxide mottling; slight odor.				
	17-29-32	61	18.5 20.0	85891	320					
20						20.0 **Fine Sand**: (0,100,0,0); olive brown (2.5Y 4/4); non-plastic; (5% coarse, 5% medium, 90% fine sand); subrounded; poorly graded; loose; damp; slight odor.	SP			Bentonite Chips
	13-14-19	33	23.5 25.0	85892	178					
25						25.0 **Very fine sand**: (0,100,0,0); olive (5Y 4/3); non-plastic; subrounded; poorly graded; loose; damp, slight odor.	SP			
	21-25-42	67	28.5	85893	21					
30						30.0				

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PROJECT QFRP LOCATION Santa Fe Springs, CA

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Readings (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			30.0			**Coarse sand**: (0,100,0,0); olive gray (5Y 5/2); non-plastic; (10% very coarse, 80% coarse, 10% medium sand); subrounded; well graded; loose; damp. @35' Silt lense.	SP			
	21-37-48	85	33.5 35.0	85894	17					
35										4" O.D. PVC Blank Casing
	18-28-50 for 3"	100	38.5 40.0	85895	86					
40						40.0 **Medium sand**: (0,100,0,0); olive gray (5Y 5/2); non-plastic; (100% medium sand); subrounded; poorly graded, loose; damp. @45' Olive (5Y 4/3).	SP			10" Diameter Borehole
			43.5 45.0	85896	280					
45										Bentonite Chips
	14-40-45	85	48.5 50.0	85897	49					
50						50.0 **Coarse sand**: (10,90,0,0); olive gray (5Y 5/2); non-plastic; (10% pebbles, 30% very coarse, 60% coarse sand); subrounded; well graded, loose; damp.	SP			
55	23-50 for 5"	100	55.0 56.5		13	55.0 **Coarse sand**: (10,90,0,0); olive gray (5Y 5/2); non-plastic; (10% pebbles, 90% coarse sand); subangular; well graded; loose; damp.	SP			
60	14-50 for 5"	100	60.0 61.5		14	61.5 @60' **Medium sand**: (10,90,0,0); (10% coarse, 90% medium sand). @61' **Coarse sand**: (10,90,0,0); (10% pebbles,	SP			Bentonite Pellets
65						64.5 *Continued Next Page*				

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PROJECT QFRP LOCATION Santa Fe Springs, CA

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			65.0 66.5		10	90% coarse sand).	ML			
						67.5 **Medium sand**: (0,100,0,0); light olive gray (5Y 6/2); non-plastic; (100% medium sand); subangular; poorly graded; loose; damp.	SP			
70			70.0 70.0		14	70.5 **Silt**: (10,0,90,0); olive gray (5Y 4/2); non-plastic; stiff, damp; iron-oxide mottling.	SP			4" O.D. 0.020" Slotted PVC Screen
75						**Coarse sand**: (0,100,0,0); light olive gray (5Y 6/2); non-plastic; (5% very coarse, 80% coarse, 15% medium sand); subangular; well graded; loose; damp.				#2/12 Sand
80						@69' Coarse sand: (0,100,0,0); (5% very coarse, 95% coarse sand).				
						81.5 **Very coarse sand**: (10,90,0,0); olive (5Y 5/3); non-plastic; (10% pebbles, 90% very coarse sand); angular; graded; loose; saturated.	ML			
85						@72' Coarse sand: (5,95,0,0); (5% pebbles, 10% very coarse, 85% coarse sand).				
90						@75' Olive (5Y 5/3).				
						Silt: (0,0,100,0); olive (5Y 5/3); non-plastic; loose; damp.				
						@65.5' Olive brown (5Y 4/4).				
95						@66.5' Olive (5Y 5/4).				Bentonite Chips
						95.5 @69.5' Olive (5Y 4/4). @94' Olive (5Y 4/3).	SP			
						Medium sand: (0,100,0,0); olive gray (5Y 5/2); non-plastic; (20% coarse,				
100						*Continued Next Page*				

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SOIL DRILLING LOG

PROJECT QFRP LOCATION Santa Fe Springs, CA

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						80% medium sand); subrounded; graded; loose; moist. @98.5' **Coarse sand**: (0,100,0,0); (80% coarse, 20% medium sand).				4" O.D. 0.020" Slotted PVC Screen
105										
110										Bentonite Chips
115										
						119.6				
120						119.9 **Medium sand**: (0,100,0,0); dark greenish gray (5G 4/1); non-plastic; (5% coarse, 90% medium, 5% fine sand); subangular; well graded; moist.	SP			T.D. = 120'
125										
130										
135										