USGS MONITORING WELL DRILLING AND LITHOLOGIC LOG

COMMON WELL NAME SCWA-HL1 PROJECT SONOMA COUNTY WATER AGENCY

TOWNSHIP/RANGE/SECTION ELEV ≈ 109' LOCATION 404 AVIATION BLVD, SANTA ROSA, CA 95043

LOGGED BY J. DAWIKAS DRILLED BY GREGG DRILLING RIG TYPE VERSA DRILL 1000 LAG METHOD DRILLER

Depth	Time (min)	Rig noise etc. ← RIG CHATTER	Color (Munsell – soil)	Cones	Graphic	Description and other observations	Bit size, &Rice time
20	0738 0744 0748			MOD/HVY		SILTY CLAY SILTY SAND AND GRAVEL (ORGANIC DEBRIS)	5 7/8"
40	0751 0755 0757			MOD/HVY		SILTY CLAY, TRACE SAND	
60	0759 0803 0806	<55'		MOD/LT		SANDY GRAVEL * DRILLER RPTS GRAVEL ENDS @ 75'	
80	0810 0812 0815	<75' * GRAVEL ENDS		MOD./LT. HVY		SILTY SAND AND GRAVEL ~76-80' SILTY CLAY, SOME FINE SAND	
100	0822 0824 0826			MOD/HVY		POORLY SORTED SAND AND GRAVEL, SOME FINES [CLUMPS OF CLAY ON SHAKER @ ≈100'-110']	
120	0829 0831 0833	<110' COBBLES/GRAVEL		HVY MOD.		SANDY GRAVEL (DRILLER NOTES ABUNDANT GRAVEL/COBBELS 110'-122') COLOR CHANGE @ ≈122' DRILLER RPTS. CHANGE IN LITH. @ 122' (SILT/CLAY)	
140	0900 0903 0906			HVY		SILTY CLAY SILTY SAND AND GRAVEL	
160	0908 0918 0935	CHANGE SPOIL BIN < 150' *150'		HVY MOD		SILTY SAND AND GRAVEL, TRACE CLAY ON SHAKER *GRAVEL @ ~150' (DRILLER RPTS SILT/CLAY INTERBEDDED W/ SAND/GRAVEL)	
180	0938 0942 0945			HVY		SILTY CLAY W/ SOME SAND	
200	0948 0950 0952			MOD		POORLY SORTED SAND AND GRAVEL	
220	0955 1002 1005			MOD.		POORLY SORTED SAND AND GRAVEL	
240	1009 1017 1019	CIRCULATE MUD		MOD.		CS SAND AND GRAVEL	
260	1023 1115 1117	TRIP OUT*		MOD.		SILTY SAND AND GRAVEL * TRIP PIPE TO LOAD CAROUSEL (DRILLER NOTES CLAY @ 260')	
280	1119 1121 1124			MOD./HVY		SANDY GRAVEL W/ SOME SILT/CLAY	
300	1126 1128 1130			HVY		SILTY SAND, AND GRAVEL	
320	1132 1134 1137			HVY		SILTY SAND (RED CHERT ON SHAKER)	
340	1140 1143 1146			MOD.		POORLY SORTED SAND AND GRAVEL	
360	1149 1200 1204	CHANGE SPOIL BIN		HVY		POORLY SORTED SAND AND GRAVEL DRILLER NOTES GRAVEL @ ≈ 360'	
380	1207 1210 1213			HVY MOD		POORLY SORTED SAND AND GRAVEL	
400	1219 1221 1224			HVY		POORLY SORTED SAND	