



## FIELD BOREHOLE LOG

Well ID: MW-316  
Total Depth (ft. bgs): 105

PROJECT: SRI Phase 4

PROJECT NUMBER: 10058697

SITE LOCATION: N. of Pentecostal Church

PROJECT MANAGER: T. Holmes

LOGGED BY: C. Mokri

DATE STARTED: 10/10/19

DATE COMPLETED: 10/10/19

DRILLING CONTRACTOR: Cascade

DRILLER: J. Asua

METHOD/RIG: Sonic TS150CC

HOLE DIAMETER (IN): 6

GROUND SURFACE ELEVATION (NAVD): 292.04

DEPTH TO WATER (ft. btoc): 76.42 on 12/4/2019

BOREHOLE USE: Groundwater Monitoring Well

NOTES: PID measurement indicated where greater than 0. No water used during drilling.

Well installed on 10/10, pad installed on 10/12, and well developed on 10/15.

DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LAYER DEPTH	MATERIAL DESCRIPTION	Environmental Data PID (ppm)	WELL DIAGRAM
0						Casing Top Elev: 291.53 (ft)
	ML		0.5	Asphalt		
				SILT, (ML) 7.5YR 4/3 brown, moist, soft, low plasticity		- Sch 40 PVC Blank Casing
	CL		4.0	LEAN CLAY, (CL) 7.5YR 4/3 brown, moist, soft, medium plasticity, trace fine sand		
			7.0			
	ML			SILT, (ML) 7.5YR 4/3 brown, moist, soft, low plasticity, trace fine sand		
			9.0			
10	ML			SILT, (ML) 7.5YR 4/3 brown, dry, medium stiff, low plasticity		
			12.0			
	CL		13.0	LEAN CLAY, (CL) 7.5YR 6/4 light brown, moist, soft, medium plasticity		
	CL		14.0	LEAN CLAY, (CL) 7.5YR 6/4 light brown, moist, soft, medium plasticity, trace fine gravel		
				FAT CLAY, (CH) 7.5YR 6/4 light brown, soft, high plasticity		
	CH		18.0			
	SC		19.0	CLAYEY SAND, (SC) 7.5YR 5/8 strong brown, fine to medium grained, stiff, high plasticity		
20				LEAN CLAY, (CL) red and gray, hard, laminated, medium plasticity, trace fine gravel, trace fine sand		
	CL		22.0			
	SC		24.0	CLAYEY SAND, (SC) 7.5YR 6/6 reddish yellow, fine to medium grained, medium stiff, medium plasticity		
	SC		26.0	CLAYEY SAND, (SC) 7.5YR 6/6 reddish yellow, medium to coarse grained, soft, medium plasticity, little fine gravel		
				POORLY GRADED SAND, (SP) 2.5YR 4/8 red, fine to medium grained, loose, trace clay		
	SP		29.0			
30	SP		31.0	POORLY GRADED SAND, (SP) 2.5YR 4/8 red, fine to medium grained, medium dense, trace clay		
	SP		33.0	POORLY GRADED SAND, (SP) 2.5YR 4/8 red, fine to medium grained, moist, loose, trace clay, trace fine gravel		
	SP		35.0	POORLY GRADED SAND, (SP) 2.5YR 4/8 red, fine to medium grained, moist, loose, trace clay, trace fine gravel, little coarse gravel		
	SP			POORLY GRADED SAND, (SP) 2.5YR 6/8 light red, fine to medium grained, loose, trace clay, trace fine to medium gravel		
			38.0			
40	GP		39.0	POORLY GRADED GRAVEL, (GP) 2.5YR 6/8 light red, fine to medium grained, very loose, some fine to medium sand		
	SP		41.0	POORLY GRADED SAND, (SP) 2.5YR 5/8 red, fine to medium grained, moist, loose		
	SP		43.0	POORLY GRADED SAND, (SP) 2.5YR 6/6 light red, fine to medium grained, moist, loose		
	SP		45.0	POORLY GRADED SAND, (SP) 2.5YR 7/6 light red, fine grained, very loose		
	SP			POORLY GRADED SAND, (SP) 2.5YR 5/8 red, fine to medium grained, moist, loose, little gravel		
			48.0			
	GP		49.0	POORLY GRADED GRAVEL, (GP) 7.5YR 7/4 pink, fine to medium grained, dry, loose		
50	SP			POORLY GRADED SAND, (SP) 7.5YR 6/8 reddish yellow, fine grained, dry, loose		

CREATED BY: C. Mokri

CREATED DATE: 10/22/19

CHECKED BY: T. Holmes

CHECKED DATE: 2/28/20



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DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LAYER DEPTH	MATERIAL DESCRIPTION	Environmental Data PID (ppm)	WELL DIAGRAM
50						
	SP		51.0	POORLY GRADED SAND, (SP) 7.5YR 8/4 pink, fine grained, dry, very loose		
	SP		55.0	POORLY GRADED SAND, (SP) 7.5YR 8/4 pink, fine grained, dry, very loose, weak cementation		
	SP		59.0			
60	SP		60.0	POORLY GRADED SAND, (SP) 7.5YR 8/4 pink, fine grained, dry, very loose, trace gravel, weak cementation		
	SP		64.0	POORLY GRADED SAND, (SP) 7.5YR 7/4 pink, fine grained, dry, very loose		
	SP		67.0	POORLY GRADED SAND, (SP) 7.5YR 7/4 pink, fine grained, moist, very loose, little gravel		
	SP		69.0	POORLY GRADED SAND, (SP) 10YR 7/8 yellow, fine to medium grained, moist, very loose		
70	SP		70.0	POORLY GRADED SAND, (SP) 10YR 7/8 yellow, fine to medium grained, moist, very loose, little gravel		
	SP		73.0	POORLY GRADED SAND, (SP) 10YR 8/8 yellow, fine grained, moist, very loose		
	SP		75.0	POORLY GRADED SAND, (SP) 10YR 7/6 yellow, fine to medium grained, moist, very loose		
	SP		77.0	POORLY GRADED SAND, (SP) 10YR 8/4 very pale brown, fine to medium grained, moist, very loose		
	SP		79.0	POORLY GRADED SAND, (SP) 10YR 7/8 yellow, fine to medium grained, moist, very loose		
80	GP		80.0	POORLY GRADED GRAVEL, (GP) 10YR 6/6 brownish yellow / dark yellowish orange, fine to medium grained, wet, very loose, some medium to coarse sand		
	SP		84.0	POORLY GRADED SAND, (SP) 10YR 7/4 very pale brown / grayish orange, fine to medium grained, wet, very loose, little gravel		
	SW		85.0	WELL GRADED SAND, (SW) 10R 6/6 light red / moderate reddish orange, very loose, little gravel		
	SW		88.0	WELL GRADED SAND WITH GRAVEL, (SW) 10R 6/6 light red / moderate reddish orange, wet, very loose		
90	SW		91.0	WELL GRADED SAND, (SW) 10YR 7/3 very pale brown, wet, very dense, little gravel		
	SW		93.0	WELL GRADED SAND, (SW) 10YR 7/3 very pale brown, wet, very dense, some fine to medium gravel, trace coarse gravel		
100			102.0			
	SP		105.0	POORLY GRADED SAND, (SP) 10YR 7/3 very pale brown, fine to medium grained, wet, very loose		

Bottom of borehole at 105.0 feet.

- Bentonite  
Chips- #10-20 Filter  
Sand- Sch 40 PVC  
0.010 Slotted  
Screen

Slough