

**MONITORING WELL DEVELOPMENT,
PURGING & SAMPLING RECORDS**

Well ID CAFN MW-01 Well Diameter 2"
 Project Name _____ Total Depth of Well 61 ft
 Project Number _____ Initial Depth to Water _____ Time _____
 Date March 30, 2017 1 Casing Volume 40L
 Prepared By: Midnight Sun Drilling Inc 3 Casing Volume 120L
 Sample ID _____ Duplicate ID _____ Depth to Water After Purging _____ Time _____
 Sample Depth _____ Method of Purging Grundfos Rediflow (2")
 Activity Performed at Well: Method of Sampling _____
 Development Purging Sampling Method of Development GRUNDFOS 2" REDIFLO

time	intake depth (feet) metres	pumping rate gpm (Lpm)	cumulative volume (litres) gallons	temp. F (C)	pH (units)	specific conductance (µmhos/cm)	comments odour, colour, sediment load, well condition, presence of product
12:22	56	2.22	20	4.4	8.39	404.5	grey in colour, turbid (choc. milk), no odour
12:42	56	1.82	60	3.9	7.6	347	grey, less turbid, can't see bottom of bucket
13:31	56	3.33	220	3.7	7.4	241	light grey, turbid
14:01	56	5.0	320	3.7	7.1	224	light brown/grey, almost clear enough to see bottom of bucket
14:27	56	4.0	420	3.7	7.1	220	
14:40	56	3.33	460	3.6	7.0	210	
14:52	56	3.33	500	3.6	7.0	209	
15:03	56	4.0	540	3.6	7.0	209	
15:16	56	3.33	580	3.6	7.0	207	NTU ~ 19
15:35	56	2.90	640	3.5	7.0	204	NTU ~ 14

container size and composition	preservative	number of containers	analyses	time	laboratory

pH calibration		(choose two)			zero check setting	specific conductance calibration			zero & redline check
time	buffer solution	pH 4.0	pH 7.0	pH 10.0		time	KCl solution (µmhos/cm @ 25 C)	1413	
start of day:	temp. (C)				start of day:	temp. (C)			
	instrument reading					instrument reading			
	should read/calibrated to					should read			
end of day:	temp. (C)				end of day:	temp. (C)			
	instrument reading					instrument reading			
	should read					should read			

notes
USED: 85 GAL DURING DRILLING - PURGED THIS WATER (320L)

SAMPLE/CORE LOG OF BORING

Borehole ID CAFW MW01 Project Name _____
 Date March 28, 2017 Project Number _____
 Recorded By Katie Heiler Page 1 of 2

Sample/Core Depth (m/ft) below ground surface)		Core Recovery (m/ft)	Time/Hydraulic Pressure or Blows <u>24 cm/in</u>	Sample/Core Description	Unified Soils Class.	Sample Number
From	To					
0	5					
5	7	1.5	56	silty, clay clumps, grey-brown grey, iron oxid. staining, silty, platy texture, fine sand		1
10	12	1.8	(11, 11, 12, 14) 37	platy, more moisture, silty, very fine sand		2
14				iron staining at 10 ft for 2 inches		3
15	17	15	38	moist silt, in cuttings		
				→ 16.5 - 15 very moist silt, iron staining at interface b/w moist & dry at 16.5.		4
				→ confining layer, more dense at 16.5		
				→ 17 - 16.5, fine sand, homogen., light grey, dry		
	19			moist silt in cuttings		
20	22	13"	20	→ 20 wet silty sand, around 21 ft it is more silty		5
				21-22 it is wetter and sandier		
25	27	24"	20	moist sand, homogeneous, grey		6
				25-26 ft is wetter (saturated)		
30	32	17"	33	wet homog. sand, light grey, ^{med} coarse		7
35	37	10"	14	wet ^{coarse} sand, heterogen., subrounded to rounded gravels (coarse & fine)		8
40	42	16"	35	coarse sand (40-41) & pea gravel (41-42)		9
45	47	1.5 ft	29	homog. coarse sand, light grey, unoxidized		10
50	52	1 ft	28	at 51' an inch of silt/fine sand (lense)		
				51-52 is med sand, at 52' coarse sand (2")		11
				wet, light grey		

