
Appendix L
Groundwater

Table L-1. Abbreviations used to Characterize Geologic Units in Well Logs.

Material	SDST	Sandstone
	CLST	Claystone
	BRNST	Brownstone
	GRST	Graystone
	SH	Shale
	CGLT	Conglomerate
	BDRK	Bedrock
	SPTN	Serpentine
	SLT	Silt
	MDST	Mudstone
Color	Brn	Brown
	Lt	Light
	Grn	Green
	Dk	Dark
	Brnsh	Brownish
	Grnsh	Greenish
	Blk	Black
Other	decomp'd	Decomposed
	fract'd	Fractured
	interm't	Intermittent
	Crs	Coarse
	am't	Amount
	Med	Medium
	Lgr	Large
	Sm	Small
	comp'd	Compacted
N/R	No recovery, no log, or illegible log	

Copco 1 and Copco 2 Reservoirs

Table L-2. Well Construction information for Wells Identified within 2.5 Miles of Copco 1 and Copco 2 Reservoirs.

Well ID	70943	555722	406066	512954	555712	113378	93347	406065	713255	1075453	750784	406993	126312	1075456	781717	1089469	824871	50076	784332	784331	783919	1075033
Ground Surface Elevation (ft)	2623.5	2624.8	2686.4	2613.4	2642.7	2637.3	2655.4	2657.6	2624.9	2690.4	2676.3	2657.6	2636.1	2657.6	2700.1	2727.8	2775.5	2667.5	2672.6	2688	2866.8	2995.9
Nearest Reservoir	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco	Copco
Distance to Nearest – Reservoir (ft)	39.4	55.8	85.3	98.4	154.2	160.8	183.7	196.9	196.9	239.5	242.8	259.2	272.3	420	429.8	547.9	1148.4	1335.4	2004.7	2142.5	5325.1	6276.6
Reservoir Elevation (ft)	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602	2602
Reservoir Bed, Upstream End (ft)	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598	2598

Well ID	70943	555722	406066	512954	555712	113378	93347	406065	713255	1075453	750784	406993	126312	1075456	781717	1089469	824871	50076	784332	784331	783919	1075033
Reservoir Bed, Downstream End (ft)	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493	2493
Top of Perforated Interval, Depth (ft bgs)	70	23	49	75	100	16	15	200	104	50	460	152	63	50	40	28	140	44	130	95	140	31
Top of Perforated Interval, Elevation (ft)	2553.5	2601.8	2637.4	2538.4	2542.7	2621.3	2640.4	2457.6	2520.9	2640.4	2216.3	2505.6	2573.1	2607.6	2660.1	2699.8	2635.5	2623.5	2542.6	2593	2726.8	2964.9
Bottom of Perforated Interval, Depth (ft bgs)	84	184	300	225	120	75	110	200	124	200	500	172	83	425	512	350	204	60	150	110	180	128
Bottom of Perforated Interval, Elevation (ft)	2539.5	2440.8	2386.4	2388.4	2522.7	2562.3	2545.4	2457.6	2500.9	2490.4	2176.3	2485.6	2553.1	2232.6	2188.1	2377.8	2571.5	2607.5	2522.6	2578	2686.8	2867.9
Depth (ft bgs)	90	184	300	384	220	75	110	200	124	200	510	172	83	425	512	350	250	60	150	110	184	128

Well ID	Well Bottom Elevation (ft)	1st Water, Depth (ft bgs)	1st Water Elevation (ft)	Water Bearing Zone, Depth (ft bgs)	Water Bearing Zone, Elevation (ft)	Pumping Rate (gpm)
70943	2533.5	32	2591.5			
555722	2440.8					13
406066	2386.4	180	2506.4			0.1
512954	2229.4					2
555712	2422.7					15
113378	2562.3	49	2588.3			25
93347	2545.4					20
406065	2457.6	150	2507.6			0.8
713255	2500.9					30
1075453	2490.4	80	2610.4			17
750784	2166.3					40
406993	2485.6					10
126312	2553.1					10
1075456	2232.6	125	2532.6			15
781717	2188.1	118	2582.1			100
1089469	2377.8	250	2477.8			10
824871	2525.5	140	2635.5			42
50076	2607.5	52	2615.5	52	2615.5	12
784332	2522.6	146	2526.6			25
784331	2578	22	2666			25
783919	2682.8					30
1075033	2867.9	50	2945.9			8

Lithologic Unit 2	Lithologic Unit 1	Static Water Elevation (ft bgs)	Static Water Level, Depth (ft bgs)	Well ID
32-33 ft bgs; gravel w/ water	0-32 ft bgs; clay w/	2608.5	15	70943
10-184 ft bgs; rock, blue-grn w/ qtz	0-10 ft bgs; clay, tan	2584.8	40	555722
21-25 ft bgs; clay, yellow	0-21 ft bgs; clay, blk			406066
18-97 ft bgs; SH, brn	0-18 ft bgs; SH, gray	2563.4	50	512954
40-75 ft bgs; clay, tan	0-40 ft bgs; clay, brn	2562.7	80	555712
20-49 ft bgs; soil w/ rock	0-20 ft bgs; adobe w/	2597.3	40	113378
15-30 ft bgs; soil, diatomaceous earth	0-15 ft bgs; clay, brn	2640.4	15	93347
18-21 ft bgs; clay, white	0-18 ft bgs; clay, blk	2597.6	60	406065
22-75 ft bgs; adobe, gray	0-22 ft bgs; adobe, brn	2564.9	60	713255
6-25 ft bgs; clay, yellow	0-6 ft bgs; clay, blk	2655.4	35	1075453
384-390 ft bgs; rock, brn, fract'd	0-384 ft bgs; No Log	2616.3	60	750784
150-172 ft bgs; granite, broken,	0-150 ft bgs; rock, tan	2507.6	150	406993
6-35 ft bgs; clay, lt brn, sticky	0-6 ft bgs; clay, brn	2596.1	40	126312
6-20 ft bgs; clay, yellow	0-6 ft bgs; clay, blk	2607.6	50	1075456
1-15 ft bgs; SDST, brn	0-1 ft bgs; soil, blk	2439.1	261	781717
25-250 ft bgs; rock, gray, hard	0-25 ft bgs; rock, brn,	2637.8	90	1089469
9-16 ft bgs; clay, brn w/ cobbles	0-9 ft bgs; clay, blk	2730.5	45	824871
5-15 ft bgs; clay, brn & red	0-5 ft bgs; clay, sticky	2635.5	32	50076
70-75 ft bgs; boulders, blue & gray	0-70 ft bgs; clay, brn w/	2659.6	13	784332
22-40 ft bgs; clay, blk w/ water	0-22 ft bgs; topsoil w/	2678	10	784331
10-18 ft bgs; rock, grn, harder	0-10 ft bgs; adobe	2846.8	20	783919
3-12 ft bgs; clay, brn	0-3 ft bgs; clay, blk	2977.9	18	1075033

Lithologic Unit 5	Lithologic Unit 4	Lithologic Unit 3	Well ID
75-90 ft bgs; rock	60-75 ft bgs; clay, blk	33-60 ft bgs; clay w/ boulders	70943
180-181 ft bgs; SDST, gray, broken	44-180 ft bgs; SDST, gray	25-44 ft bgs; sand & gravel w/ clay, brn	555722
225-338 ft bgs; rock, white	130-225 ft bgs; rock, lt tan w/ minor rock, gray w/	97-130 ft bgs; rock, reddish-tan	406066
		75-220 ft bgs; rock, blk & grn w/ qtz	512954
		49-60 ft bgs; boulders, sm w/ water	555712
		30-45 ft bgs; clay, brn	113378
		21-32 ft bgs; ash, red	93347
47-98 ft bgs; CLST, blue	32-47 ft bgs; CLST, blue, caving	75-95 ft bgs; gravel, gray-blk, cobbly	406065
104-124 ft bgs; SH, grn, hard w/ rock, blk	95-104 ft bgs; SH, brn	25-45 ft bgs; CLST, white	713255
47-80 ft bgs; basalt, blk	45-47 ft bgs; sand & gravel	390-500 ft bgs; rock, gray, decomp'd	1075453
			750784
			406993
70-80 ft bgs; rock, brn, decomp'd	65-70 ft bgs; sand, blue, cemented	35-65 ft bgs; clay, blue, sticky	126312
95-125 ft bgs; SDST, blue w/ qtz	35-95 ft bgs; basalt, blk	20-35 ft bgs; CLST, white	1075456
58-60 ft bgs; SDST, brn	30-58 ft bgs; SPTN, blue	15-30 ft bgs; CLST, yellow	781717
310-312 ft bgs; rock, gray, hard, fract'd	251-310 ft bgs; rock, gray, hard	250-251 ft bgs; rock, gray, fract'd w/ water	1089469
35-70 ft bgs; SH, brn w/ gravel	26-35 ft bgs; gravel & cobbles	16-26 ft bgs; basalt	824871
40-53 ft bgs; mud, blue w/ water	17.5-40 ft bgs; clay, white & gray	15-17.5 ft bgs; clay, brn & red, hard	50076
		75-146 ft bgs; clay, brn w/ rock	784332
74-77 ft bgs; rock, brn broken	63-74 ft bgs; cinders, blk & brn & red	40-63 ft bgs; clay, brn w/ rock, sm	784331
80-85 ft bgs; rock, blk w/ red color	45-80 ft bgs; rock, grn, harder	18-45 ft bgs; SH, brn	783919
42-50 ft bgs; rock, blue	32-42 ft bgs; clay, blue	12-32 ft bgs; boulders w/ sand & gravel	1075033

Lithologic Unit 8	Lithologic Unit 7	Lithologic Unit 6	Well ID
			70943
			555722
		181–300 ft bgs; SDST, gray	406066
		338–384 ft bgs; rock, reddish-tan	512954
			555712
			113378
			93347
150–151 ft bgs; CLST, blue, broken	99–150 ft bgs; clay, blue	98–99 ft bgs; CLST, blue, broken	406065
			713255
95–140 ft bgs; basalt, blk	82–95 ft bgs; SDST, blue	80–82 ft bgs; SDST, blue, w/ qtz w/ water	1075453
			750784
			406993
		80–83 ft bgs; rock, brn, hard w/rock, blk	126312
345–347 ft bgs; QTZ, fract'd w/ water	127–345 ft bgs; basalt, blk	125–127 ft bgs; SDST, blue, fract'd	1075456
119–120 ft bgs; basalt, brn	118–119 ft bgs; basalt, brn, fract'd w/ water	60–118 ft bgs; basalt, blue, hard	781717
		312–350 ft bgs; rock, gray, hard	1089469
135–150 ft bgs; SH w/ rock, blue-gray w/ qtz	95–135 ft bgs; rock, blue-gray w/ qtz	70–95 ft bgs; SH, brn w/ qtz	824871
		53–60 ft bgs; rock	50076
			784332
	102–110 ft bgs; clay, blue	77–102 ft bgs; rock, brn, hard	784331
110–180 ft bgs; rock, lt grn	90–110 ft bgs; rock, blk & red, interbedded	85–90 ft bgs; rock, lt grn	783919
85–87 ft bgs; rock, blue, fract'd w/ water	52–85 ft bgs; rock, blue	50–52 ft bgs; rock, brn w/ water	1075033

Well ID	Lithologic Unit 9	Lithologic Unit 10	Lithologic Unit 11
70943			
555722			
406066			
512954			
555712			
113378			
93347			
406065	151–200 ft bgs; clay, blue		
713255			
1075453	140–142 ft bgs; SDST, blue, fract'd	142–180 ft bgs; basalt, blk	180–182 ft bgs; SDST, blue, fract'd w/ water
750784			
406993			
126312			
1075456	347–408 ft bgs; basalt, blk	408–410 ft bgs; basalt, blk, fract'd w/ qtz w/ water	410–425 ft bgs; basalt, blk
781717	120–135 ft bgs; basalt, blue	135–140 ft bgs; basalt, brn, fract'd w/ water	140–348 ft bgs; lava, blk, hard
1089469			
824871	150–163 ft bgs; SH, purple	163–171 ft bgs; rock, blue-gray	171–260 ft bgs; SH, gray & blk
50076			
784332			
784331			
783919	180–182 ft bgs; rock, brn, soft	182–184 ft bgs; rock, grn, hard	
1075033	87–128 ft bgs; rock, blue		

Well ID	70943	555722	406066	512954	555712	113378	93347	406065	713255	1075453	750784	406993	126312	1075456	781717	1089469	824871	50076	784332	784331	783919	1075033
Lithologic Unit 12										182-200 ft bgs; SDST, blue					348-350 ft bgs; lava, blk w/ water							
Lithologic Unit 13															350-376 ft bgs; ash, red							
Lithologic Unit 14															376-378 ft bgs; lava, red w/ qtz w/ water							
Lithologic Unit 15															378-400 ft bgs; lava, blk, hard							

Well ID	70943	555722	406066	512954	555712	113378	93347	406065	713255	1075453	750784	406993	126312	1075456	781717	1089469	824871	50076	784332	784331	783919	1075033	
Lithologic Unit 16															400-440 ft bgs; SPTN, gpm								
Lithologic Unit 17															440-510 ft bgs; basalt, blk								
Lithologic Unit 18															510-512 ft bgs; basalt, blk, q/ qtz w/ water								

Key:
 bgs: below ground surface
 ft: feet
 gpm: gallons per minute

Iron Gate Reservoir

Table L-3. Well Construction Information for Wells Identified within 2.5 Miles of Iron Gate Reservoir.

Well ID	311084	14918	78652	4355	334387	184187	311078	333890	99852	1087529	781723	369526	414209	99834	1075044	781725	781726	1075458	1087565	134222	134223	134224	14912	14911	958105	
Ground Surface Elevation (ft)	2712.9	2329.4	2409	2467.7	2508.8	2712.9	2465.9	2371.7	2712.9	2712.8	2171	2571.2	2624.8	2323.7	2815.2	2696.6	2460.8	2672.5	2696.1	2481.5	2481.5	2481.5	2389.6	2389.6	2767.5	
Nearest Reservoir	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate	Iron Gate
Dist to Nearest – Reservoir (ft)	544.6	554.5	620.1	712	866.2	987.6	1095.9	1683.2	1735.6	2073.6	3025.1	3376.1	3507.4	3776.4	5049.5	5262.7	5331.6	5479.3	6942.6	7585.7	8199.2	8271.4	8904.6	9649.4	10499.2	
Reservoir Elevation (ft)	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328	2328
Reservoir Bed, Upstream End (ft)	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320

Well ID	311084	14918	78652	4355	334387	184187	311078	333890	99852	1087529	781723	369526	414209	99834	1075044	781725	781726	1075458	1087565	134222	134223	134224	14912	14911	958105	
Reservoir Bed, Downstream End (ft)	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165	2165
Top of Perforated Interval, Depth (ft bgs)	20	40	80	20	25	271	22	23	20	100	35	25		20	52	54	55	40	140	120	20	80	40	100	30	
Top of Perforated Interval, Elevation (ft)	2692.9	2289.4	2329	2447.7	2483.8	2441.9	2443.9	2348.7	2692.9	2612.8	2136	2546.2		2303.7	2763.2	2642.6	2405.8	2632.5	2556.1	2361.5	2461.5	2401.5	2349.6	2289.6	2737.5	
Bottom of Perforated Interval, Depth (ft bgs)	270	160	140	70	420	291	246	271	500	200	90	200		200	260	265	530	125	300	160	530	120	60	120	247	
Bottom of Perforated Interval, Elevation (ft)	2442.9	2169.4	2269	2397.7	2088.8	2421.9	2219.9	2100.7	2212.9	2512.8	2081	2371.2		2123.7	2555.2	2431.6	1930.8	2547.5	2396.1	2321.5	1951.5	2361.5	2329.6	2269.6	2520.5	
Depth (ft bgs)	270	160	140	100	420	291	246	271	500	200	90	200		200	268	275	625	125	300	160	530	120	60	120	250	

Well ID	Well Bottom Elevation (ft)	1st Water, Depth (ft bgs)	1st Water Elevation (ft)	Water Bearing Zone, Depth (ft bgs)	Water Bearing Zone, Elevation (ft)	Pumping Rate (gpm)
311084	2442.9	168	2544.9	250	2462.9	25
14918	2169.4	20	2309.4	20	2309.4	40
78652	2269	25	2384	25	2384	6
4355	2367.7	30	2437.7	50	2417.7	10
334387	2088.8					0.1
184187	2421.9	50	2662.9	280	2432.9	15
311078	2219.9	128	2337.9	128	2337.9	12
333890	2100.7	46	2325.7	210	2161.7	12
99852	2212.9	191	2521.9			5
1087529	2512.8	180	2532.8			25
781723	2081	62	2109	35	2136	75
369526	2371.2	105	2466.2	105	2466.2	20
414209	2624.8					
99834	2123.7	25	2298.7	156	2167.7	25
1075044	2547.2	185	2630.2	185	2630.2	30
781725	2421.6	120	2576.6	120	2576.6	7
781726	1835.8	180	2280.8	180	2280.8	12
1075458	2547.5	65	2607.5	65	2607.5	100
1087565	2396.1	120	2576.1	140	2556.1	20
134222	2321.5	100	2381.5	100	2381.5	20
134223	1951.5					1
134224	2361.5	80	2401.5	80	2401.5	15
14912	2329.6	25	2364.6	25	2364.6	50
14911	2269.6	60	2329.6	60	2329.6	50
958105	2517.5	140	2627.5	140	2627.5	

Well ID	Static Water Level, Depth (ft bgs)	Static Water Level, Elevation (ft bgs)	Lithologic Unit 1	Lithologic Unit 2	Lithologic Unit 3
311084			0-32 ft bgs; rock-dirt	32-106 ft bgs; clay, gray w/ rock,	106-168 ft bgs; clay, gray w/ rock,
14918	-5	2334.4	0-20 ft bgs; clay, brn, rocky	20-40 ft bgs; rock, brn, soft w/	40-100 ft bgs; rock, grn, hard
78652	25	2384	0-20 ft bgs; clay, brn w/ rock	20-40 ft bgs; rock, brn, soft	40-50 ft bgs; rock, gray
4355	50	2417.7	0-2 ft bgs; hardpan	2-30 ft bgs; adobe, gray	30-70 ft bgs; gravel, volcanic
334387	290	2218.8	0-350 ft bgs; N/R	350-395 ft bgs; CLST, blue	395-420 ft bgs; lava ash, red
184187			0-45 ft bgs; topsoil, clays	45-281 ft bgs; lava, lt gray w/	291-291 ft bgs; lava, lt gray
311078			0-25 ft bgs; clay, adobe	25-46 ft bgs; clay, lt brn, sticky	46-87 ft bgs; rock w/ clay, gray
333890			0-23 ft bgs; clay, red	23-46 ft bgs; clay, gray	46-148 ft bgs; clay, redish-brn w/
99852	150	2562.9	0-1 ft bgs; soil, brn	1-12 ft bgs; clay, brn	12-26 ft bgs; CLST, brn
1087529			0-160 ft bgs; clay, adobe	160-200 ft bgs; rock, brn	
781723	30	2141	0-3 ft bgs; clay, blk	3-18 ft bgs; clay, brn	18-24 ft bgs; sand & boulders
369526	30	2541.2	0-2 ft bgs; clay, blk	2-12 ft bgs; clay, brn	12-35 ft bgs; CLST, red
414209			N/R		
99834	10	2313.7	0-1 ft bgs; soil, brn	1-16 ft bgs; clay, brn	16-37 ft bgs; basalt, brn, broken
1075044	30	2785.2	0-2 ft bgs; clay, blk w/ cobbles	2-18 ft bgs; clay, brn	18-28 ft bgs; ash, red
781725	52	2644.6	0-4 ft bgs; clay, blk	4-20 ft bgs; clay, brn	20-46 ft bgs; CLST, red
781726	130	2330.8	0-1 ft bgs; clay, blk	1-30 ft bgs; clay, brn	30-120 ft bgs; SDST, blue, hard
1075458	35	2637.5	0-9 ft bgs; clay, blk	9-38 ft bgs; SDST, brn	38-55 ft bgs; basalt, blue, hard
1087565	120	2576.1	0-4 ft bgs; topsoil	4-20 ft bgs; clay	20-120 ft bgs; SH, gray
134222	50	2431.5	0-10 ft bgs; clay, brn	10-40 ft bgs; rock, brn, soft	40-140 ft bgs; rock, gray
134223	60	2421.5	0-10 ft bgs; clay, brn	10-40 ft bgs; rock, brn, soft	40-95 ft bgs; clay, red, hard
134224	30	2451.5	0-5 ft bgs; clay, brn	5-20 ft bgs; rock, red, soft	20-40 ft bgs; rock, brn, soft
14912	10	2379.6	0-20 ft bgs; clay, brn w/ gravel	20-60 ft bgs; rock, blk w/ water	40-80 ft bgs; rock, gray w/ water
14911	28	2361.6	0-20 ft bgs; clay, brn w/ rock	20-40 ft bgs; rock, lt gray	40-80 ft bgs; rock, gray w/ water
958105	-5	2772.5	0-2 ft bgs; soil, brn	2-17 ft bgs; boulders	17-18 ft bgs; clay, brn

Lithologic Unit 6	Lithologic Unit 5	Lithologic Unit 4	Well ID
229–270 ft bgs; rock, brnsh-gray w/water	209–229 ft bgs; rock, brn	168–209 ft bgs; rock, brn-gray	311084
	140–160 ft bgs; rock, grn	100–140 ft bgs; rock, gray	14918
70–140 ft bgs; rock, brn	60–70 ft bgs; rock, gray	50–60 ft bgs; rock, brn	78652
		70–100 ft bgs; gravel, volcanic w/	4355
			334387
			184187
	128–246 ft bgs; clay, grayish-brn	87–128 ft bgs; clay, reddish-gray	311078
	210–271 ft bgs; rock, gray–brnsh-	148–210 ft bgs; gravel, brn w/	333890
195–250 ft bgs; SDST, blue	160–195 ft bgs; CLST, red	26–160 ft bgs; SDST, blue	99852
			1087529
62–63 ft bgs; SPTN, blue w/ qtz w/ water	30–62 ft bgs; SPTN, blue	24–30 ft bgs; SDST, brn	781723
108–170 ft bgs; CLST, red	105–108 ft bgs; CLST, red, broken	35–105 ft bgs; CLST, blue	369526
			414209
112–156 ft bgs; basalt, blue	100–112 ft bgs; CLST, purple	37–100 ft bgs; basalt, blue	99834
120–185 ft bgs; rock, blue	45–120 ft bgs; rock, blue, hard	28–45 ft bgs; rock, brn, soft	1075044
120–121 ft bgs; SPTN, blue w/ qtz w/ water	85–120 ft bgs; ash, red	46–85 ft bgs; SPTN, blue, hard	781725
180–182 ft bgs; SDST, blue, fract'd w/ water	150–180 ft bgs; SDST, blue	120–150 ft bgs; CLST, blue	781726
65–78 ft bgs; basalt, blue, fract'd w/ qtz w/ water	60–65 ft bgs; basalt, blue	55–60 ft bgs; CLST, purple	1075458
	260–300 ft bgs; SH, gray, fract'd	120–260 ft bgs; SH, dk gray	1087565
		140–160 ft bgs; rock, gray, hard	134222
	120–530 ft bgs; rock, dk brn	95–120 ft bgs; rock, blk	134223
		40–120 ft bgs; rock, brn w/ water	134224
			14912
		80–120 ft bgs; rock, blk	14911
140–141 ft bgs; rock, gray, fract'd w/ water	27–140 ft bgs; rock, gray, hard	18–27 ft bgs; rock, blue, broken	958105

Well ID	Lithologic Unit 7	Lithologic Unit 8	Lithologic Unit 9
311084			
14918			
78652			
4355			
334387			
184187			
311078			
333890			
99852	250-268 ft bgs; CLST, red	268-290 ft bgs; SDST, blue	290-291 ft bgs; SDST, blue, broken
1087529			
781723	63-90 ft bgs; SPTN, blue		
369526	170-175 ft bgs; CLST, blue, broken w/ water	175-200 ft bgs; SDST, blue	
414209			
99834	156-157 ft bgs; basalt, blue, broken w/ water	157-180 ft bgs; basalt, blue	180-182 ft bgs; basalt, blue, broken
1075044	185-186 ft bgs; rock, blue, fract'd w/w water	186-240 ft bgs; rock, blue, hard	240-242 ft bgs; rock, blue, fract'd
781725	121-160 ft bgs; SPTN, blue, hard	160-220 ft bgs; ash, red	220-235 ft bgs; SPTN, blue, hard
781726	182-360 ft bgs; SDST, blue	360-361 ft bgs; SDST, blue, fract'd w/ water	361-410 ft bgs; SDST, blue
1075458	78-107 ft bgs; basalt, blue, hard	107-110 ft bgs; basalt, blue, fract'd w/ water	110-118 ft bgs; basalt, blue, hard
1087565			
134222			
134223			
134224			
14912			
14911			
958105	141-180 ft bgs; rock, gray, hard	180-200 ft bgs; rock, red, hard	200-210 ft bgs; rock, gray, hard

Well ID	Lithologic Unit 10	Lithologic Unit 11	Lithologic Unit 12
311084			
14918			
78652			
4355			
334387			
184187			
311078			
333890			
99852	291-312 ft bgs; CLST, red	312-367 ft bgs; SDST, grn	367-382 ft bgs; CLST, red
1087529			
781723			
369526			
414209			
99834	182-200 ft bgs; basalt, blue		
1075044	242-268 ft bgs; rock, blue, hard		
781725	235-236 ft bgs; SPTN, blue, fract'd w/ water	236-275 ft bgs; SPTN, blue, hard	
781726	410-430 ft bgs; basalt, blue	430-431 ft bgs; basalt, blue, fract'd w/ water	431-530 ft bgs; basalt, blue
1075458	118-125 ft bgs; CLST, purple		
1087565			
134222			
134223			
134224			
14912			
14911			
958105	210-211 ft bgs; rock, gray, fract'd w/ water	211-250 ft bgs; rock, gray, hard	

Well ID	311084	14918	78652	4355	334387	184187	311078	333890	99852	1087529	781723	369526	414209	99834	1075044	781725	781726	1075458	1087565	134222	134223	134224	14912	14911	958105
Lithologic Unit 13									382-383 ft bgs; SDST, blue, broken								530-625 ft bgs; ash, red, caving								
Lithologic Unit 14									383-448 ft bgs; CLST, blue																

Key:
 bgs: below ground surface
 ft: feet
 gpm: gallons per minute

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