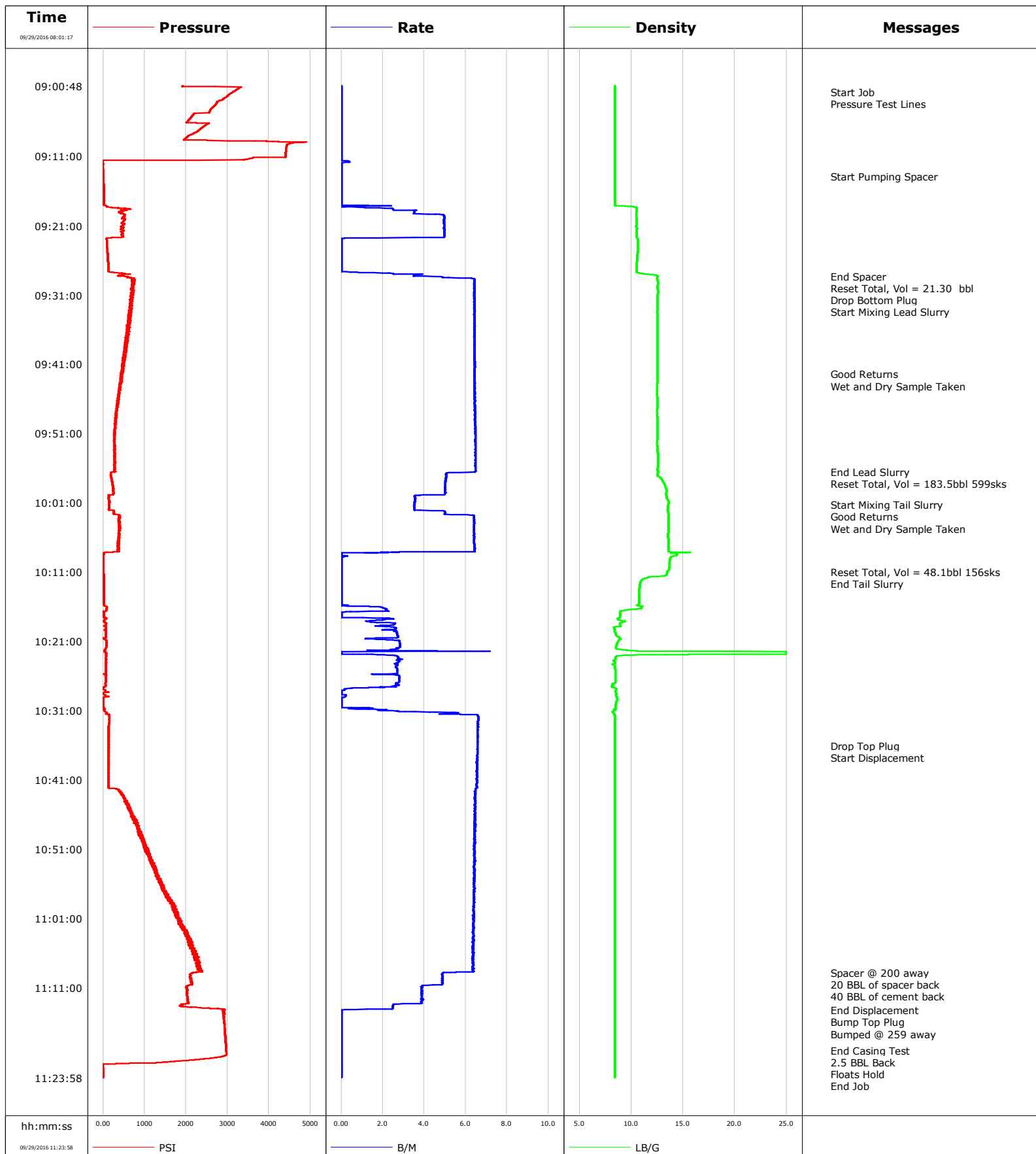


Well State Seventy Holes J-18
Field Wattenberg
Engineer Glenn Mendez
Country United States

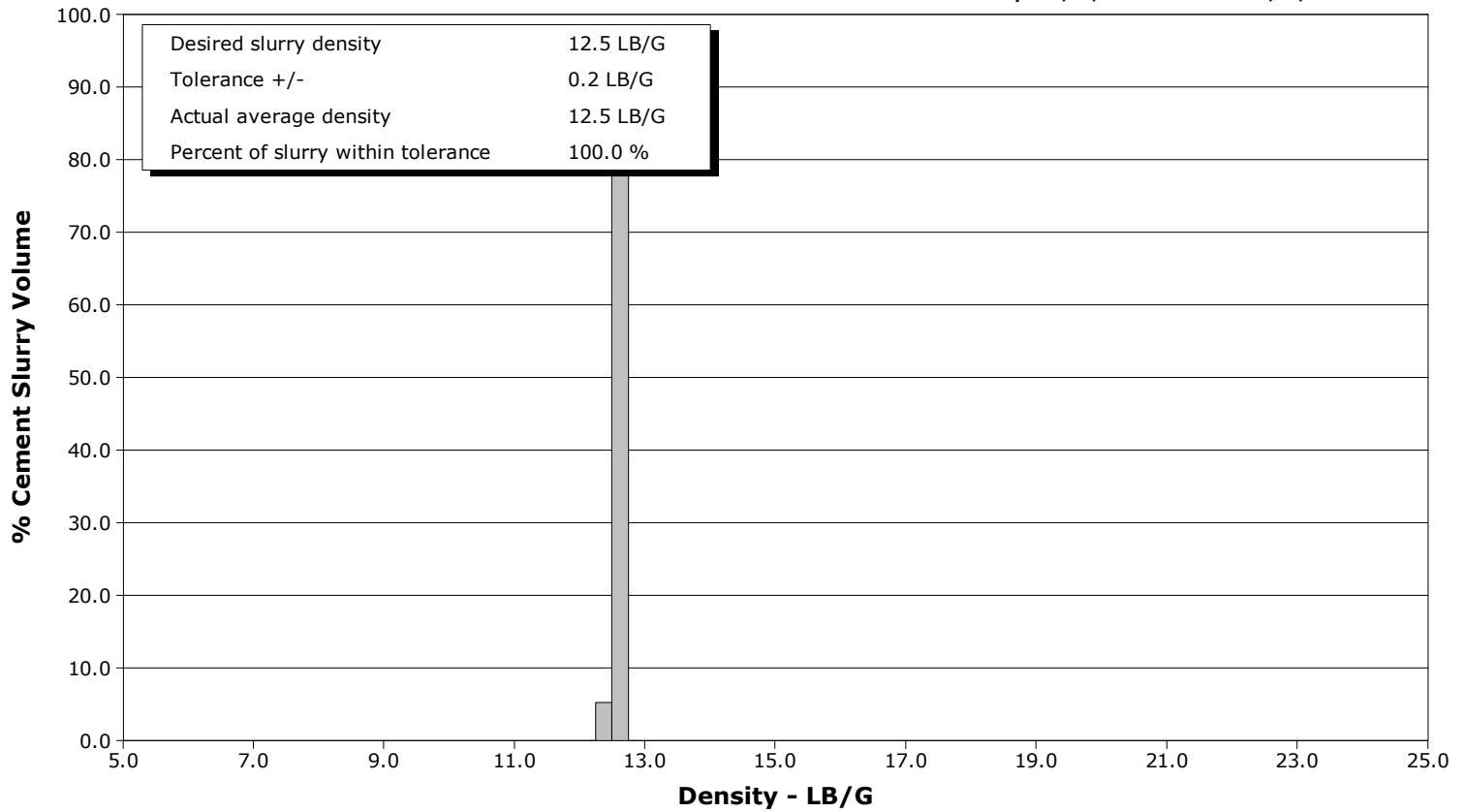
Client Bonanza Creek
SIR No. DDGG-00398
Job Type Production
Job Date 09-29-2016



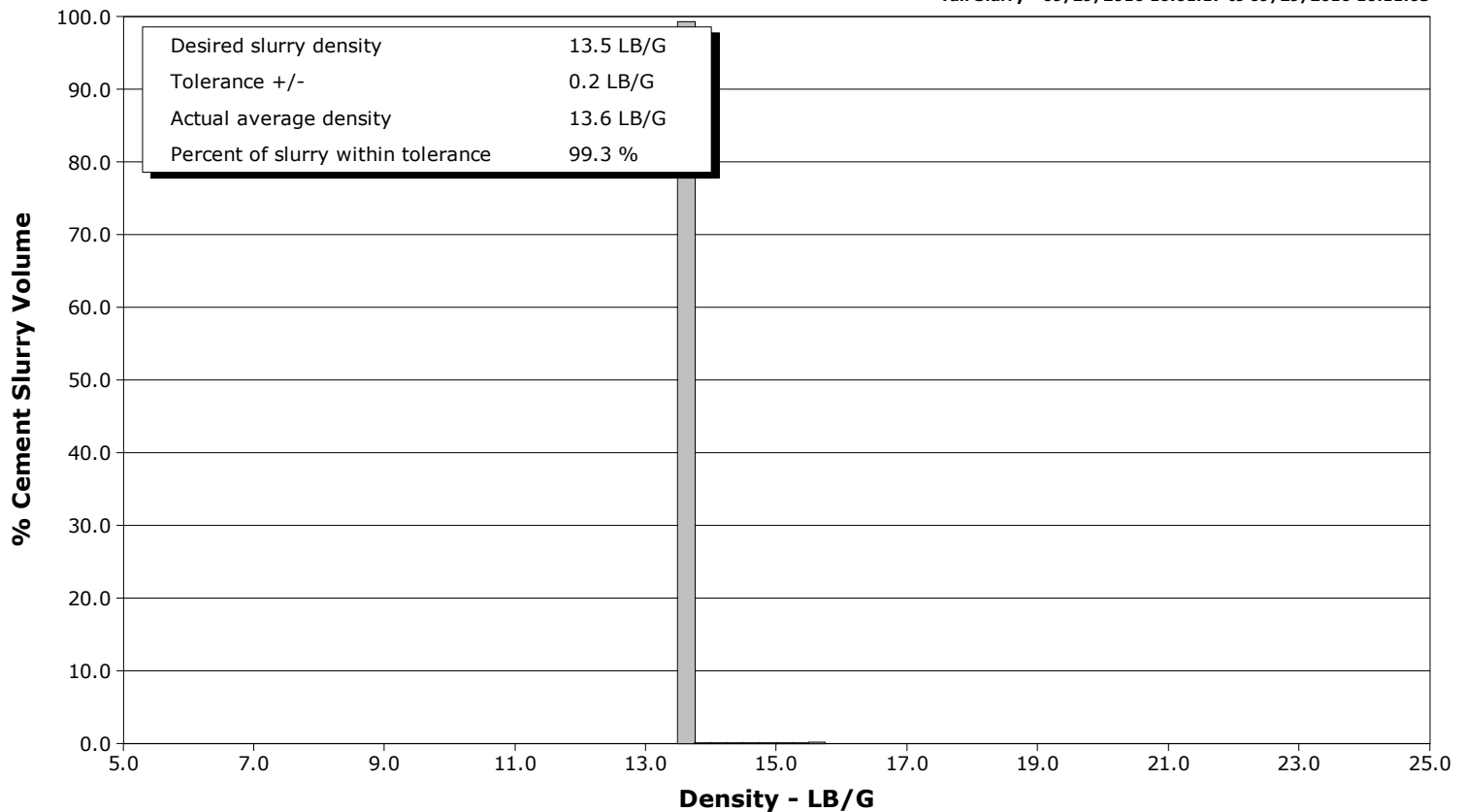
Well State Seventy Holes J-18
Field Wattenberg
Engineer Glenn Mendez
Country United States

Client Bonanza Creek
SIR No. DDGG-00398
Job Type Production
Job Date 09-29-2016

Lead Slurry - 09/29/2016 09:28:17 to 09/29/2016 09:56:34



Tail Slurry - 09/29/2016 10:01:17 to 09/29/2016 10:11:03



Cementing Service Report

					Customer Bonanza Creek			Job Number DDGG-00398	
Well State Seventy Holes J-18			Location (legal) 2173			Schlumberger Location Paul Sheperd		Job Start Sep/29/2016	
Field Wattenberg		Formation Name/Type		Deviation 0 deg		Bit Size 8 3/4 in		Well MD 6,800 ft	
County Weld		State/Province Colorado		BHP psi		BHST 220 degF		BHCT 163 degF	
Well Master 0631641655		API/UWI						Pore Press. Gradient 8.6 lb/gal	
Rig Name Ensign 121		Drilled For Oil & Gas		Service Via Land		Casing/ Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		6,800 ft		7"	
Drilling Fluid Type WBM		Max. Density 9.5 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
						Grade		Thread	
Service Line Cementing		Job Type Production							
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection		Perforations/Open Hole			
						Top, ft		Bottom, ft	
						shot/ft		No. of Shots	
								Total Interval ft	
						ft		ft	
						ft		ft	
						ft		ft	
						Treat Down 7" Casing		Displacement 258.7 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 260.3 bbl	
						Annular Vol. 230.1 bbl		Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job	
Lift Pressure 2000 psi						Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 6,800 ft		Tool Type	
No. Centralizers		Top Plugs x		Bottom Plugs		Stage Tool Type		Tool Depth ft	
Cement Head Type Single						Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Sep/29/2016		Arrived on Location Sep/29/2016		Leave Location Sep/29/2016		Collar Type		Tail Pipe Depth ft	
						Collar Depth 6,760 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
09/29/2016	08:01:17	1	0.0	8.46	0.0	0	Started Acquisition		
09/29/2016	08:02:17	1	0.0	8.46	0.0	0			
09/29/2016	08:03:17	1	0.0	8.46	0.0	0			
09/29/2016	08:04:17	1	0.0	8.46	0.0	0			
09/29/2016	08:05:17	-1	0.0	8.46	0.0	0			
09/29/2016	08:06:17	-1	0.0	8.46	0.0	0			
09/29/2016	08:07:17	-2	0.0	8.46	0.0	0			
09/29/2016	08:08:17	-1	0.0	8.45	0.0	0			
09/29/2016	08:09:17	511	2.5	8.43	1.2	0			
09/29/2016	08:10:17	377	4.0	8.43	4.8	0			
09/29/2016	08:11:17	369	3.9	8.43	8.7	0			
09/29/2016	08:12:17	82	0.0	8.43	10.4	0			
09/29/2016	08:13:17	84	0.0	8.43	10.4	0			
09/29/2016	08:14:17	2313	0.0	8.43	10.4	0			
09/29/2016	08:15:17	2222	0.0	8.43	10.4	0			
09/29/2016	08:16:17	-13	0.0	8.43	10.4	0			
09/29/2016	08:17:17	-6	0.0	8.43	10.4	0			
09/29/2016	08:18:17	-3	0.0	8.43	10.4	0			
09/29/2016	08:19:17	-4	0.0	8.43	10.4	0			
09/29/2016	08:20:17	-5	0.0	8.43	10.4	0			
09/29/2016	08:21:17	-4	0.0	8.43	10.4	0			

Well State Seventy Holes J-18			Field Wattenberg		Job Start Sep/29/2016	Customer Bonanza Creek		Job Number DDGG-00398
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
09/29/2016	08:23:17	-4	0.0	8.43	10.4	0		
09/29/2016	08:24:17	-4	0.0	8.43	10.4	0		
09/29/2016	08:25:17	-4	0.0	8.43	10.4	0		
09/29/2016	08:26:17	18	0.5	8.43	10.4	0		
09/29/2016	08:27:17	220	2.5	8.43	12.0	0		
09/29/2016	08:28:17	17	0.0	8.43	12.1	0		
09/29/2016	08:29:17	-3	0.0	8.43	12.1	0		
09/29/2016	08:30:17	-3	0.0	8.43	12.1	0		
09/29/2016	08:31:17	-3	0.0	8.43	12.1	0		
09/29/2016	08:32:17	-3	0.0	8.43	12.1	0		
09/29/2016	08:33:17	57	0.0	8.43	12.3	0		
09/29/2016	08:34:17	-3	0.0	8.43	12.3	0		
09/29/2016	08:35:17	-3	0.0	8.43	12.3	0		
09/29/2016	08:36:17	-3	0.0	8.44	12.3	0		
09/29/2016	08:37:17	-3	0.0	8.43	12.3	0		
09/29/2016	08:38:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:39:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:40:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:41:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:42:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:43:17	-5	0.0	8.43	12.3	0		
09/29/2016	08:44:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:45:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:46:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:47:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:48:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:49:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:50:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:51:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:52:17	-7	0.0	8.43	12.3	0		
09/29/2016	08:53:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:54:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:55:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:56:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:57:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:58:17	-6	0.0	8.43	12.3	0		
09/29/2016	08:59:17	491	2.5	8.43	13.4	0		
09/29/2016	09:00:17	128	0.0	8.43	14.1	0		
09/29/2016	09:01:17	3239	0.0	8.43	14.1	0		
09/29/2016	09:01:41	3127	0.0	8.43	14.1	0	Start Job	
09/29/2016	09:01:44	3120	0.0	8.43	14.1	0	Pressure Test Lines	
09/29/2016	09:02:17	3000	0.0	8.43	14.1	0		
09/29/2016	09:03:17	2738	0.0	8.43	14.1	0		
09/29/2016	09:04:17	2591	0.0	8.43	14.1	0		
09/29/2016	09:05:17	2127	0.0	8.43	14.1	0		
09/29/2016	09:06:17	2529	0.0	8.43	14.1	0		
09/29/2016	09:07:17	2296	0.0	8.43	14.1	0		
09/29/2016	09:08:17	2008	0.0	8.43	14.1	0		
09/29/2016	09:09:17	4437	0.0	8.43	14.1	0		
09/29/2016	09:10:17	4404	0.0	8.43	14.1	0		
09/29/2016	09:11:17	3555	0.0	8.43	14.1	0		
09/29/2016	09:12:17	-5	0.0	8.43	14.2	0		
09/29/2016	09:13:17	3	0.0	8.43	14.2	0		
09/29/2016	09:13:49	5	0.0	8.43	14.2	0	Start Pumping Spacer	

Well			Field		Job Start		Customer		Job Number	
State Seventy Holes J-18			Wattenberg		Sep/29/2016		Bonanza Creek		DDGG-00398	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
09/29/2016	09:15:17	12	0.0	8.43	14.2	0				
09/29/2016	09:16:17	13	0.0	8.43	14.2	0				
09/29/2016	09:17:17	16	0.0	8.43	14.2	0				
09/29/2016	09:18:17	86	0.0	10.33	14.4	2				
09/29/2016	09:19:17	421	3.5	10.48	17.2	4				
09/29/2016	09:20:17	494	5.0	10.53	22.1	9				
09/29/2016	09:21:17	500	4.9	10.53	27.0	13				
09/29/2016	09:22:17	472	5.0	10.52	32.0	36				
09/29/2016	09:23:17	86	0.0	10.60	34.2	0				
09/29/2016	09:24:17	101	0.0	10.60	34.2	0				
09/29/2016	09:25:17	110	0.0	10.60	34.2	0				
09/29/2016	09:26:17	120	0.0	10.54	34.2	0				
09/29/2016	09:27:17	129	0.0	10.52	34.2	0				
09/29/2016	09:28:14	357	3.5	12.53	35.7	7	End Spacer			
09/29/2016	09:28:15	406	3.5	12.53	35.7	8	Reset Total, Vol = 21.30 bbl			
09/29/2016	09:28:16	406	3.5	12.53	35.8	8	Drop Bottom Plug			
09/29/2016	09:28:17	516	3.5	12.53	35.8	8	Start Mixing Lead Slurry			
09/29/2016	09:29:17	717	6.4	12.59	41.8	17				
09/29/2016	09:30:17	679	6.4	12.57	48.2	24				
09/29/2016	09:31:17	664	6.4	12.52	54.7	28				
09/29/2016	09:32:17	643	6.4	12.55	61.1	30				
09/29/2016	09:33:17	639	6.4	12.51	67.5	30				
09/29/2016	09:34:17	607	6.4	12.53	73.9	30				
09/29/2016	09:35:17	585	6.4	12.53	80.4	30				
09/29/2016	09:36:17	600	6.4	12.52	86.8	30				
09/29/2016	09:37:17	596	6.4	12.54	93.2	30				
09/29/2016	09:38:17	536	6.4	12.55	99.6	30				
09/29/2016	09:39:17	500	6.4	12.55	106.1	31				
09/29/2016	09:40:17	472	6.4	12.53	112.5	30				
09/29/2016	09:41:17	493	6.4	12.52	118.9	30				
09/29/2016	09:42:17	465	6.4	12.53	125.4	30				
09/29/2016	09:42:23	457	6.4	12.53	126.0	30	Good Returns			
09/29/2016	09:42:24	480	6.4	12.53	126.1	30	Wet and Dry Sample Taken			
09/29/2016	09:43:17	431	6.4	12.53	131.8	30				
09/29/2016	09:44:17	389	6.4	12.49	138.2	30				
09/29/2016	09:45:17	411	6.4	12.50	144.6	31				
09/29/2016	09:46:17	379	6.5	12.53	151.1	30				
09/29/2016	09:47:17	331	6.5	12.52	157.5	30				
09/29/2016	09:48:17	305	6.4	12.50	164.0	30				
09/29/2016	09:49:17	296	6.5	12.54	170.4	31				
09/29/2016	09:50:17	280	6.5	12.53	176.9	31				
09/29/2016	09:51:17	277	6.5	12.52	183.3	31				
09/29/2016	09:52:17	260	6.5	12.51	189.8	31				
09/29/2016	09:53:17	271	6.5	12.54	196.3	31				
09/29/2016	09:54:17	277	6.5	12.57	202.7	32				
09/29/2016	09:55:17	281	6.5	12.58	209.2	32				
09/29/2016	09:56:17	266	6.5	12.55	215.7	31				
09/29/2016	09:56:34	279	6.4	12.57	217.5	25	End Lead Slurry			
09/29/2016	09:56:35	192	6.4	12.57	217.6	25	Reset Total, Vol = 183.50 bbl			
09/29/2016	09:57:17	191	5.1	12.74	221.2	28				
09/29/2016	09:58:17	227	5.0	13.20	226.2	34				
09/29/2016	09:59:17	247	5.0	13.41	231.2	35				
09/29/2016	10:00:17	150	3.6	13.38	235.6	36				
09/29/2016	10:01:17	144	3.5	13.56	239.2	36	Start Mixing Tail Slurry			

Well			Field		Job Start		Customer		Job Number	
State Seventy Holes J-18			Wattenberg		Sep/29/2016		Bonanza Creek		DDGG-00398	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
09/29/2016	10:02:01	154	3.5	13.52	241.8	35	Wet and Dry Sample Taken			
09/29/2016	10:02:17	244	5.0	13.55	242.9	35				
09/29/2016	10:03:17	382	6.4	13.58	248.8	35				
09/29/2016	10:04:17	403	6.4	13.59	255.2	35				
09/29/2016	10:05:17	395	6.4	13.57	261.6	35				
09/29/2016	10:06:17	367	6.4	13.58	268.0	38				
09/29/2016	10:07:17	360	6.4	13.57	274.4	42				
09/29/2016	10:08:17	18	0.0	14.17	279.8	0				
09/29/2016	10:09:17	7	0.0	13.72	279.9	0				
09/29/2016	10:10:17	6	0.0	13.66	279.9	0				
09/29/2016	10:11:00	9	0.0	13.47	279.9	0	Reset Total, Vol = 48.06 bbl			
09/29/2016	10:11:03	9	0.0	13.46	279.9	0	End Tail Slurry			
09/29/2016	10:11:17	13	0.0	13.43	279.9	0				
09/29/2016	10:12:17	19	0.0	10.94	279.9	0				
09/29/2016	10:13:17	18	0.0	10.79	279.9	0				
09/29/2016	10:14:17	19	0.0	10.75	279.9	0				
09/29/2016	10:15:17	19	0.0	10.75	279.9	0				
09/29/2016	10:16:17	80	2.2	10.81	280.6	0				
09/29/2016	10:17:17	15	0.0	8.93	281.4	0				
09/29/2016	10:18:17	51	2.1	9.02	282.7	0				
09/29/2016	10:19:17	48	2.4	8.42	285.2	0				
09/29/2016	10:20:17	67	2.7	8.72	287.8	21				
09/29/2016	10:21:17	76	2.8	8.63	290.3	22				
09/29/2016	10:22:17	34	1.3	9.58	293.0	22				
09/29/2016	10:23:17	71	2.7	8.48	294.7	13				
09/29/2016	10:24:17	65	2.7	8.19	297.5	13				
09/29/2016	10:25:17	70	2.7	8.46	300.1	0				
09/29/2016	10:26:17	62	2.8	8.45	302.8	80				
09/29/2016	10:27:17	62	2.8	8.15	305.5	59				
09/29/2016	10:28:17	116	0.0	8.48	306.6	0				
09/29/2016	10:29:17	2	0.0	8.63	306.7	0				
09/29/2016	10:30:17	7	0.0	8.49	306.7	0				
09/29/2016	10:31:17	78	5.3	8.27	308.3	0				
09/29/2016	10:32:17	142	6.6	8.43	314.6	0				
09/29/2016	10:33:17	135	6.6	8.43	321.2	0				
09/29/2016	10:34:17	138	6.6	8.43	327.7	0				
09/29/2016	10:35:17	135	6.6	8.43	334.3	0				
09/29/2016	10:36:04	135	6.6	8.43	339.5	0	Drop Top Plug			
09/29/2016	10:36:06	130	6.6	8.43	339.7	0	Start Displacement			
09/29/2016	10:36:17	134	6.6	8.43	340.9	0				
09/29/2016	10:37:17	129	6.6	8.43	347.5	0				
09/29/2016	10:38:17	133	6.6	8.43	354.0	0				
09/29/2016	10:39:17	130	6.6	8.43	360.6	0				
09/29/2016	10:40:17	130	6.5	8.43	367.1	0				
09/29/2016	10:41:17	133	6.5	8.43	373.6	0				
09/29/2016	10:42:17	323	6.5	8.43	380.2	0				
09/29/2016	10:43:17	455	6.4	8.43	386.6	0				
09/29/2016	10:44:17	579	6.5	8.43	393.1	0				
09/29/2016	10:45:17	681	6.5	8.43	399.5	0				
09/29/2016	10:46:17	726	6.4	8.43	406.0	0				
09/29/2016	10:47:17	761	6.4	8.43	412.4	0				
09/29/2016	10:48:17	842	6.5	8.43	418.9	0				
09/29/2016	10:49:17	890	6.4	8.43	425.3	0				
09/29/2016	10:50:17	1022	6.4	8.43	431.7	0				

Well			Field		Job Start		Customer		Job Number	
State Seventy Holes J-18			Wattenberg		Sep/29/2016		Bonanza Creek		DDGG-00398	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
09/29/2016	10:52:17	1149	6.5	8.43	444.6	0				
09/29/2016	10:53:17	1207	6.5	8.43	451.0	0				
09/29/2016	10:54:17	1247	6.4	8.43	457.4	0				
09/29/2016	10:55:17	1351	6.4	8.43	463.8	0				
09/29/2016	10:56:17	1459	6.4	8.43	470.2	0				
09/29/2016	10:57:17	1510	6.4	8.43	476.7	0				
09/29/2016	10:58:17	1564	6.4	8.43	483.1	0				
09/29/2016	10:59:17	1707	6.4	8.43	489.4	0				
09/29/2016	11:00:17	1793	6.4	8.43	495.8	0				
09/29/2016	11:01:17	1878	6.4	8.43	502.2	0				
09/29/2016	11:02:17	1886	6.4	8.43	508.6	0				
09/29/2016	11:03:17	1974	6.4	8.43	514.9	0				
09/29/2016	11:04:17	2104	6.4	8.43	521.3	0				
09/29/2016	11:05:17	2202	6.3	8.43	527.7	0				
09/29/2016	11:06:17	2260	6.4	8.43	534.0	0				
09/29/2016	11:07:17	2319	6.4	8.43	540.4	0				
09/29/2016	11:08:17	2307	6.3	8.43	546.7	0				
09/29/2016	11:08:49	2171	4.9	8.43	550.0	0	Spacer @ 200 away			
09/29/2016	11:08:50	2167	4.9	8.43	550.1	0	20 BBL of spacer back			
09/29/2016	11:08:51	2167	4.9	8.43	550.2	0	40 BBL of cement back			
09/29/2016	11:09:17	2120	4.9	8.43	552.3	0				
09/29/2016	11:10:17	2135	4.9	8.43	557.2	0				
09/29/2016	11:11:17	2032	3.9	8.43	561.4	0				
09/29/2016	11:12:17	2028	3.9	8.43	565.3	0				
09/29/2016	11:13:17	1999	3.5	8.43	569.2	0				
09/29/2016	11:14:11	2899	0.0	8.43	571.2	0	End Displacement			
09/29/2016	11:14:16	2880	0.0	8.43	571.2	0	Bump Top Plug			
09/29/2016	11:14:17	2880	0.0	8.43	571.2	0	Bumped @ 259 away			
09/29/2016	11:15:17	2919	0.0	8.43	571.2	0				
09/29/2016	11:16:17	2931	0.0	8.43	571.2	0				
09/29/2016	11:17:17	2938	0.0	8.43	571.2	0				
09/29/2016	11:18:17	2948	0.0	8.43	571.2	0				
09/29/2016	11:19:17	2958	0.0	8.43	571.2	0				
09/29/2016	11:20:02	2966	0.0	8.43	571.2	0	End Casing Test			
09/29/2016	11:20:03	2965	0.0	8.43	571.2	0	Floats Hold			
09/29/2016	11:20:17	2968	0.0	8.43	571.2	0				
09/29/2016	11:21:17	2428	0.0	8.43	571.2	0				
09/29/2016	11:22:17	-5	0.0	8.43	571.2	0				
09/29/2016	11:22:19	-3	0.0	8.43	571.2	0	End Job			

Well State Seventy Holes J-18	Field Wattenberg	Job Start Sep/29/2016	Customer Bonanza Creek	Job Number DDGG-00398
---	----------------------------	---------------------------------	----------------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 5.4	N2	Mud	Maximum Rate 7.2	Total Slurry 571.2	Mud 0.0	Spacer 45.7	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 4894	Final 8	Average 832	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 231.8 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Tim Jayne			Schlumberger Supervisor Glenn Mendez			Circulation Lost <input type="checkbox"/>	Job Completed <input type="checkbox"/>					
						-	-					