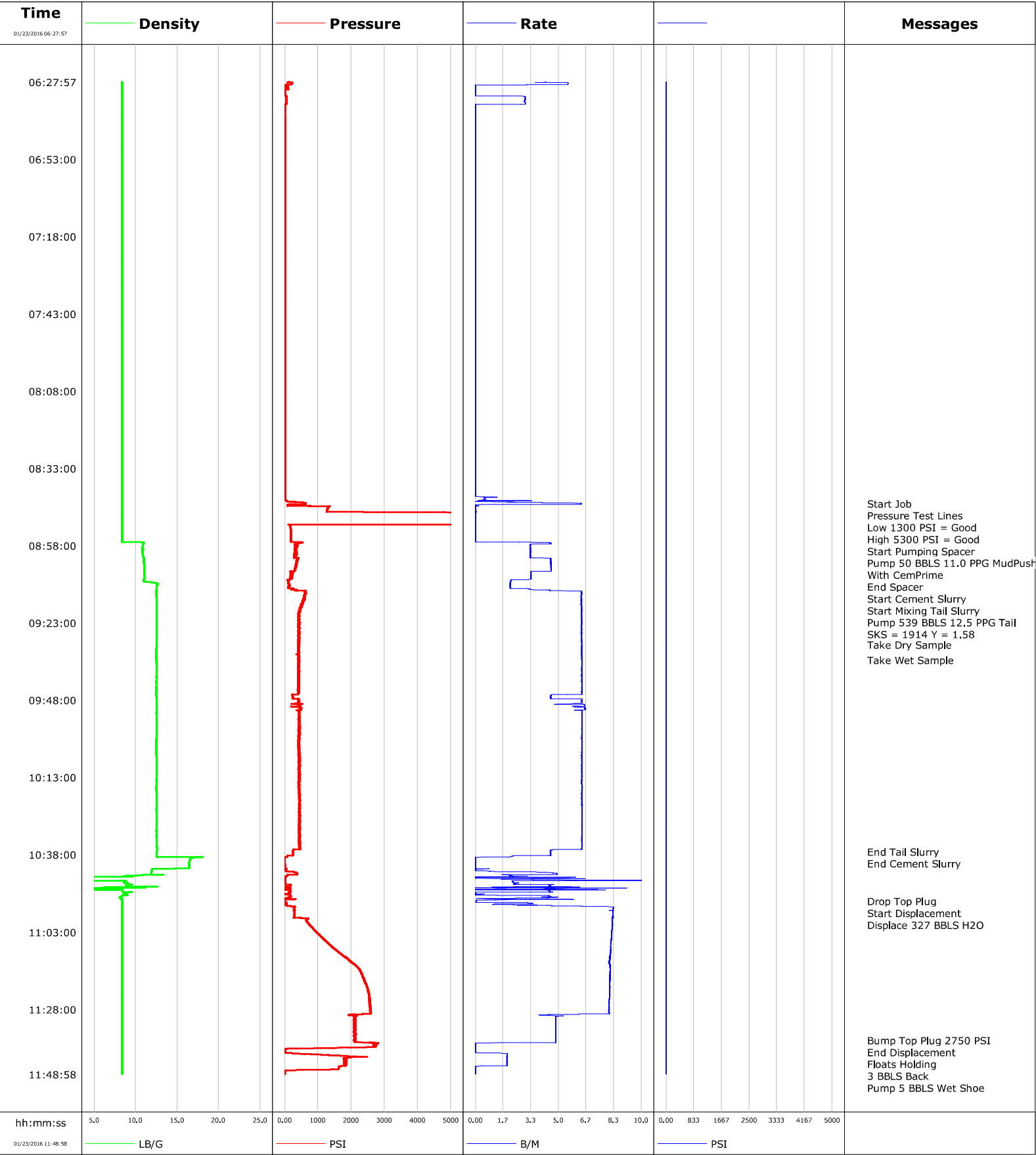


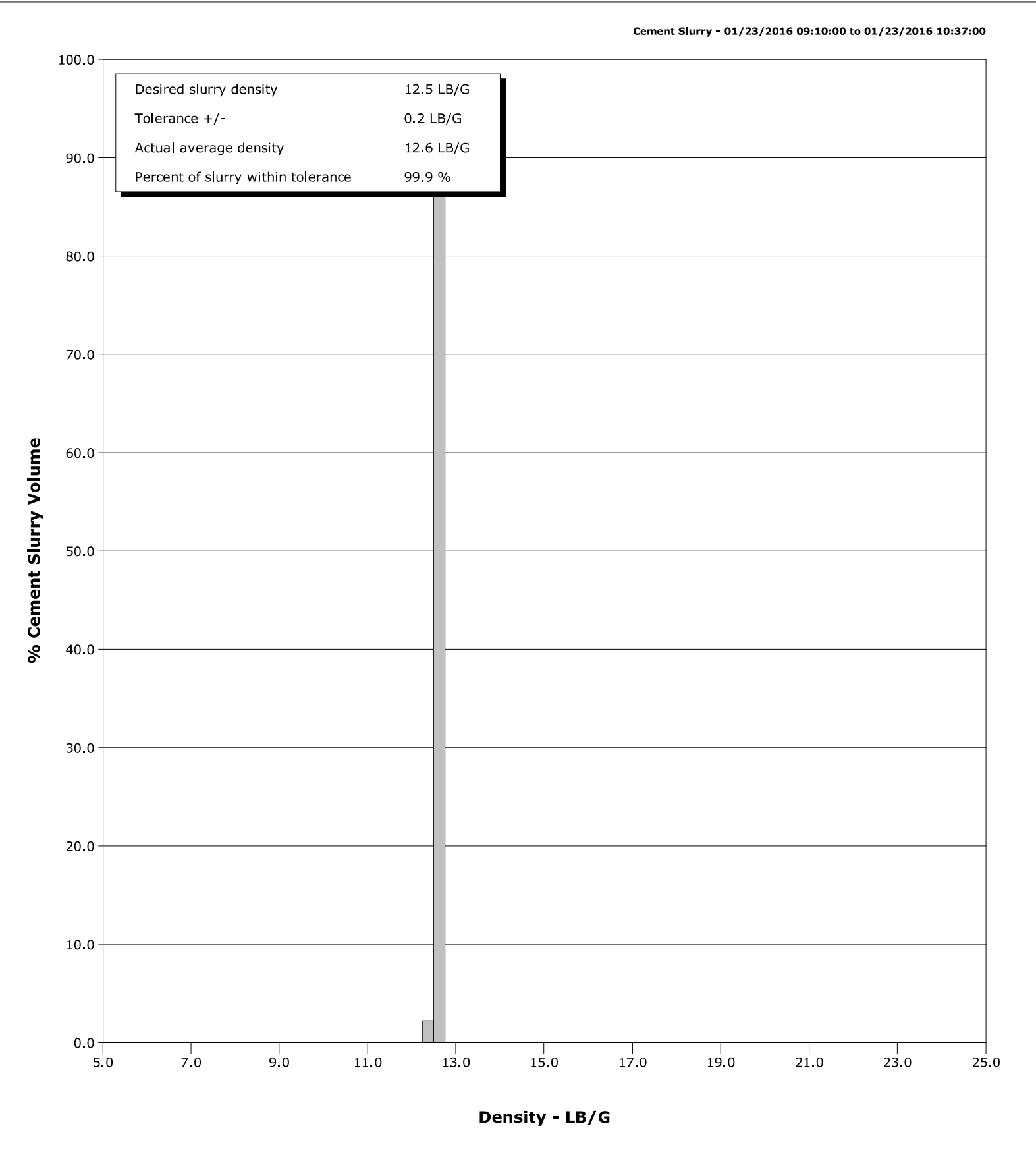
Well	Fairview 4	Client	Extraction Oil
Field	Wattenberg	SIR No.	2231972
Engineer	Conley Jensen/ Ken Sovereign	Job Type	5.5" Monobore
Country	United States	Job Date	01-23-2016





Cementing Qa/Qc Density Report

Well	Fairview 4	Client	Extraction Oil
Field	Wattenberg	SIR No.	2231972
Engineer	Conley Jensen/ Ken Sovereign	Job Type	5.5" Monobore
Country	United States	Job Date	01-23-2016





Cementing Service Report

				Customer Extraction Oil			Job Number 2231972										
Well Fairview 4 4			Location (legal) CWY			Schlumberger Location CWY			Job Start Jan/23/2016								
Field Wattenberg		Formation Name/Type Shale			Deviation deg		Bit Size in		Well MD 14821.0 ft		Well TVD 6950.0 ft						
County Weld		State/Province Colorado			BHP psi		BHST 204 degF		BHCT 204 degF		Pore Press. Gradient lb/gal						
Well Master 0631637460		API/UWI 05123415230000															
Rig Name Savanna 802		Drilled For Oil		Service Via Land		Casing / Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class New		Well Type Development		1500.0		9.6		36.0		P110		8RD			
						14821.0		5.5		20.0		P110		8RD			
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing / Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type 5.5" Monobore															
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations / Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
						ft		ft									
						ft		ft						Diameter in			
						Treat Down Casing		Displacement 327.0 bbl		Packer Type		Packer Depth 7.9 ft					
						Tubing Vol. bbl		Casing Vol. 328.0 bbl		Annular Vol. 483.0 bbl		Openhole Vol. 837.0 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 psi						Shoe Type Guide				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 14821.0 ft				Tool Type							
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth ft							
Cement Head Type Single						Stage Tool Depth ft				Tail Pipe Size in							
Job Scheduled For Jan/23/2016 04:00		Arrived on Location Jan/23/2016 04:00		Leave Location Jan/23/2016 13:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 14775.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
01/23/2016	07:43:33	3	0.0	8.39	13.1	Started Acquisition											
01/23/2016	07:45:03	4	0.0	8.39	13.1												
01/23/2016	07:46:33	4	0.0	8.38	13.1												
01/23/2016	07:48:03	3	0.0	8.38	13.1												
01/23/2016	07:49:33	4	0.0	8.38	13.1												
01/23/2016	07:51:03	3	0.0	8.39	13.1												
01/23/2016	07:52:33	3	0.0	8.38	13.1												
01/23/2016	07:54:03	3	0.0	8.39	13.1												
01/23/2016	07:55:33	3	0.0	8.38	13.1												
01/23/2016	07:57:03	3	0.0	8.39	13.1												
01/23/2016	07:58:33	3	0.0	8.38	13.1												
01/23/2016	08:00:03	3	0.0	8.39	13.1												
01/23/2016	08:01:33	3	0.0	8.39	13.1												
01/23/2016	08:03:03	3	0.0	8.38	13.1												
01/23/2016	08:04:33	3	0.0	8.38	13.1												
01/23/2016	08:06:03	3	0.0	8.38	13.1												
01/23/2016	08:07:33	3	0.0	8.38	13.1												
01/23/2016	08:09:03	3	0.0	8.38	13.1												
01/23/2016	08:10:33	3	0.0	8.38	13.1												
01/23/2016	08:12:03	4	0.0	8.38	13.1												
01/23/2016	08:13:33	3	0.0	8.39	13.1												

Well			Field		Job Start	Customer		Job Number
Fairview 4 4			Wattenberg		Jan/23/2016	Extraction Oil		2231972
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/23/2016	08:16:33	4	0.0	8.38	13.1			
01/23/2016	08:18:03	3	0.0	8.39	13.1			
01/23/2016	08:19:33	3	0.0	8.38	13.1			
01/23/2016	08:21:03	4	0.0	8.38	13.1			
01/23/2016	08:22:33	3	0.0	8.39	13.1			
01/23/2016	08:24:03	4	0.0	8.38	13.1			
01/23/2016	08:25:33	4	0.0	8.39	13.1			
01/23/2016	08:27:03	4	0.0	8.39	13.1			
01/23/2016	08:28:33	4	0.0	8.39	13.1			
01/23/2016	08:30:03	4	0.0	8.39	13.1			
01/23/2016	08:31:33	4	0.0	8.39	13.1			
01/23/2016	08:33:03	4	0.0	8.39	13.1			
01/23/2016	08:34:33	4	0.0	8.39	13.1			
01/23/2016	08:36:03	4	0.0	8.39	13.1			
01/23/2016	08:37:33	3	0.0	8.39	13.1			
01/23/2016	08:39:03	3	0.0	8.39	13.1			
01/23/2016	08:40:33	4	0.0	8.39	0.0			
01/23/2016	08:42:03	4	0.0	8.38	0.0			
01/23/2016	08:43:33	65	1.2	8.38	1.0			
01/23/2016	08:44:17	635	6.2	8.38	2.5	Start Job		
01/23/2016	08:44:18	641	6.2	8.38	2.6	Pressure Test Lines		
01/23/2016	08:45:00	87	0.0	8.37	5.3	Low 1300 PSI = Good		
01/23/2016	08:45:03	86	0.0	8.38	5.3			
01/23/2016	08:46:33	1282	0.0	8.38	5.3			
01/23/2016	08:47:00	1273	0.0	8.38	5.3	High 5300 PSI = Good		
01/23/2016	08:48:03	5192	0.0	8.38	5.3			
01/23/2016	08:49:33	5144	0.0	8.38	5.3			
01/23/2016	08:51:03	5116	0.0	8.38	5.3			
01/23/2016	08:52:33	179	0.0	8.38	5.3			
01/23/2016	08:54:03	191	0.0	8.37	5.3			
01/23/2016	08:55:33	189	0.0	8.38	5.3			
01/23/2016	08:57:00	552	4.4	10.98	0.5	Start Pumping Spacer		
01/23/2016	08:57:03	534	4.5	10.99	0.7			
01/23/2016	08:58:00	347	3.3	10.90	4.4	Pump 50 BBLS 11.0 PPG MudPush		
01/23/2016	08:58:33	382	3.3	10.83	6.3			
01/23/2016	08:59:00	342	3.3	10.82	7.8	With CemPrime		
01/23/2016	09:00:03	355	3.3	10.87	11.2			
01/23/2016	09:01:33	277	3.3	10.91	16.2			
01/23/2016	09:03:03	381	4.5	11.00	22.4			
01/23/2016	09:04:33	333	4.6	11.08	29.2			
01/23/2016	09:06:03	304	4.6	11.09	36.1			
01/23/2016	09:07:33	226	3.3	11.06	41.4			
01/23/2016	09:09:00	92	2.4	11.03	46.3	End Spacer		
01/23/2016	09:09:03	92	2.2	11.02	46.4			
01/23/2016	09:10:00	117	2.1	12.18	48.4	Start Cement Slurry		
01/23/2016	09:10:33	126	2.1	12.71	49.6			
01/23/2016	09:12:03	272	3.3	12.56	0.0			
01/23/2016	09:13:33	641	6.4	12.54	8.1			
01/23/2016	09:15:03	576	6.4	12.56	17.7			
01/23/2016	09:16:33	534	6.4	12.56	27.3			
01/23/2016	09:18:03	492	6.4	12.56	36.9			
01/23/2016	09:19:33	440	6.4	12.55	46.5			
01/23/2016	09:20:00	405	6.4	12.55	49.4	Pump 539 BBLS 12,5 PPG Tail		
01/23/2016	09:21:03	419	6.4	12.56	56.1			

Well			Field		Job Start	Customer		Job Number
Fairview 4 4			Wattenberg		Jan/23/2016	Extraction Oil		2231972
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/23/2016	09:24:03	442	6.4	12.56	75.3			
01/23/2016	09:25:00	428	6.4	12.56	81.4	SKS = 1914 Y = 1.58		
01/23/2016	09:25:33	413	6.4	12.56	84.9			
01/23/2016	09:27:03	408	6.4	12.56	94.5			
01/23/2016	09:28:33	426	6.4	12.56	104.1			
01/23/2016	09:30:00	424	6.4	12.55	113.4	Take Dry Sample		
01/23/2016	09:30:03	410	6.4	12.55	113.8			
01/23/2016	09:31:33	432	6.4	12.48	123.4			
01/23/2016	09:33:03	433	6.4	12.53	133.0			
01/23/2016	09:34:33	419	6.4	12.54	142.6			
01/23/2016	09:35:00	404	6.4	12.54	145.5	Take Wet Sample		
01/23/2016	09:36:03	405	6.4	12.55	152.2			
01/23/2016	09:37:33	429	6.4	12.55	161.9			
01/23/2016	09:39:03	443	6.4	12.55	171.5			
01/23/2016	09:40:33	424	6.4	12.54	181.1			
01/23/2016	09:42:03	418	6.4	12.54	190.7			
01/23/2016	09:43:33	436	6.4	12.54	200.3			
01/23/2016	09:45:03	415	6.4	12.54	210.0			
01/23/2016	09:46:33	248	4.6	12.48	219.0			
01/23/2016	09:48:03	415	6.4	12.55	226.6			
01/23/2016	09:49:33	433	6.6	12.57	236.1			
01/23/2016	09:51:03	458	6.6	12.56	245.9			
01/23/2016	09:52:33	432	6.4	12.56	255.5			
01/23/2016	09:54:03	428	6.4	12.56	265.2			
01/23/2016	09:55:33	449	6.4	12.56	274.8			
01/23/2016	09:57:03	438	6.4	12.57	284.4			
01/23/2016	09:58:33	452	6.4	12.57	294.1			
01/23/2016	10:00:03	416	6.4	12.56	303.7			
01/23/2016	10:01:33	442	6.4	12.51	313.4			
01/23/2016	10:03:03	426	6.4	12.51	323.0			
01/23/2016	10:04:33	421	6.4	12.53	332.6			
01/23/2016	10:06:03	425	6.4	12.56	342.2			
01/23/2016	10:07:33	440	6.4	12.56	351.9			
01/23/2016	10:09:03	467	6.4	12.56	361.5			
01/23/2016	10:10:33	435	6.4	12.55	371.1			
01/23/2016	10:12:03	436	6.4	12.56	380.7			
01/23/2016	10:13:33	421	6.4	12.56	390.4			
01/23/2016	10:15:03	434	6.4	12.55	400.0			
01/23/2016	10:16:33	445	6.4	12.54	409.6			
01/23/2016	10:18:03	456	6.4	12.55	419.3			
01/23/2016	10:19:33	445	6.4	12.56	428.9			
01/23/2016	10:21:03	450	6.4	12.56	438.5			
01/23/2016	10:22:33	445	6.5	12.56	448.2			
01/23/2016	10:24:03	448	6.4	12.56	457.8			
01/23/2016	10:25:33	463	6.4	12.56	467.5			
01/23/2016	10:27:03	428	6.4	12.56	477.1			
01/23/2016	10:28:33	445	6.4	12.56	486.8			
01/23/2016	10:30:03	460	6.4	12.55	496.4			
01/23/2016	10:31:33	458	6.4	12.56	506.0			
01/23/2016	10:33:03	447	6.4	12.56	515.7			
01/23/2016	10:34:33	428	6.4	12.57	525.3			
01/23/2016	10:36:03	440	6.4	12.64	534.9			
01/23/2016	10:37:00	259	4.5	12.58	539.9	End Tail Slurry		
01/23/2016	10:37:33	252	4.5	12.57	542.4			

Well			Field		Job Start	Customer		Job Number
Fairview 4 4			Wattenberg		Jan/23/2016	Extraction Oil		2231972
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/23/2016	10:40:33	-4	0.0	16.49	546.8			
01/23/2016	10:42:03	2	0.0	16.47	546.8			
01/23/2016	10:43:33	268	2.9	11.93	547.3			
01/23/2016	10:45:03	57	3.2	9.12	552.7			
01/23/2016	10:46:33	6	2.3	8.89	557.5			
01/23/2016	10:48:03	183	4.5	8.90	561.7			
01/23/2016	10:49:33	159	4.5	8.46	567.5			
01/23/2016	10:51:03	149	0.0	8.99	570.3			
01/23/2016	10:52:33	88	3.5	8.43	575.8			
01/23/2016	10:53:00	-3	0.1	8.38	576.0	Drop Top Plug		
01/23/2016	10:54:03	-9	1.0	8.38	1.6			
01/23/2016	10:55:00	292	8.3	8.38	6.2	Displace 327 BBLS H2O		
01/23/2016	10:55:33	294	8.3	8.38	10.8			
01/23/2016	10:57:03	292	8.3	8.38	23.2			
01/23/2016	10:58:33	515	8.3	8.38	35.7			
01/23/2016	11:00:03	702	8.3	8.38	48.0			
01/23/2016	11:01:33	828	8.3	8.38	60.4			
01/23/2016	11:03:03	951	8.2	8.37	72.8			
01/23/2016	11:04:33	1104	8.2	8.38	85.1			
01/23/2016	11:06:03	1254	8.2	8.37	97.4			
01/23/2016	11:07:33	1400	8.2	8.37	109.7			
01/23/2016	11:09:03	1560	8.2	8.37	121.9			
01/23/2016	11:10:33	1751	8.1	8.37	134.1			
01/23/2016	11:12:03	1941	8.1	8.37	146.3			
01/23/2016	11:13:33	2099	8.1	8.37	158.4			
01/23/2016	11:15:03	2249	8.1	8.37	170.6			
01/23/2016	11:16:33	2317	8.1	8.38	182.8			
01/23/2016	11:18:03	2398	8.1	8.38	195.0			
01/23/2016	11:19:33	2438	8.1	8.38	207.2			
01/23/2016	11:21:03	2493	8.1	8.38	219.3			
01/23/2016	11:22:33	2528	8.1	8.38	231.5			
01/23/2016	11:24:03	2554	8.1	8.38	243.6			
01/23/2016	11:25:33	2563	8.1	8.38	255.8			
01/23/2016	11:27:03	2574	8.1	8.38	267.8			
01/23/2016	11:28:33	2588	8.0	8.38	279.9			
01/23/2016	11:30:03	2097	4.5	8.38	290.4			
01/23/2016	11:31:33	2105	4.9	8.38	297.7			
01/23/2016	11:33:03	2100	4.8	8.38	305.0			
01/23/2016	11:34:33	2129	4.8	8.38	312.3			
01/23/2016	11:36:03	2147	4.8	8.38	319.5			
01/23/2016	11:37:33	2116	4.9	8.38	326.8			
01/23/2016	11:38:00	2094	4.9	8.38	329.0	Bump Top Plug 2750 PSI		
01/23/2016	11:39:03	2665	0.0	8.38	333.2			
01/23/2016	11:40:00	2703	0.0	8.38	333.2	Floats Holding		
01/23/2016	11:40:33	1353	0.0	8.38	333.2			
01/23/2016	11:42:03	19	0.0	8.38	333.2			
01/23/2016	11:43:00	1536	1.9	8.38	334.8	Pump 5 BBLS Wet Shoe		
01/23/2016	11:43:33	1939	1.9	8.38	335.8			
01/23/2016	11:45:03	1860	1.9	8.38	338.7			
01/23/2016	11:46:33	1656	0.0	8.38	341.3			

Well Fairview 4 4	Field Wattenberg	Job Start Jan/23/2016	Customer Extraction Oil	Job Number 2231972
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry	N2		Mud	Maximum Rate	Total Slurry 539,0	Mud	Spacer 50,0		N2		
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum	Final 0	Average	Bump Plug to 2750	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 539.0 bbl		Displacement 327.0 bbl		Mix Water Temp 55 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 55.0 bbl	
								Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Jose Torres				Schlumberger Supervisor Conley Jensen/ Ken Sovereign				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
								-		-	