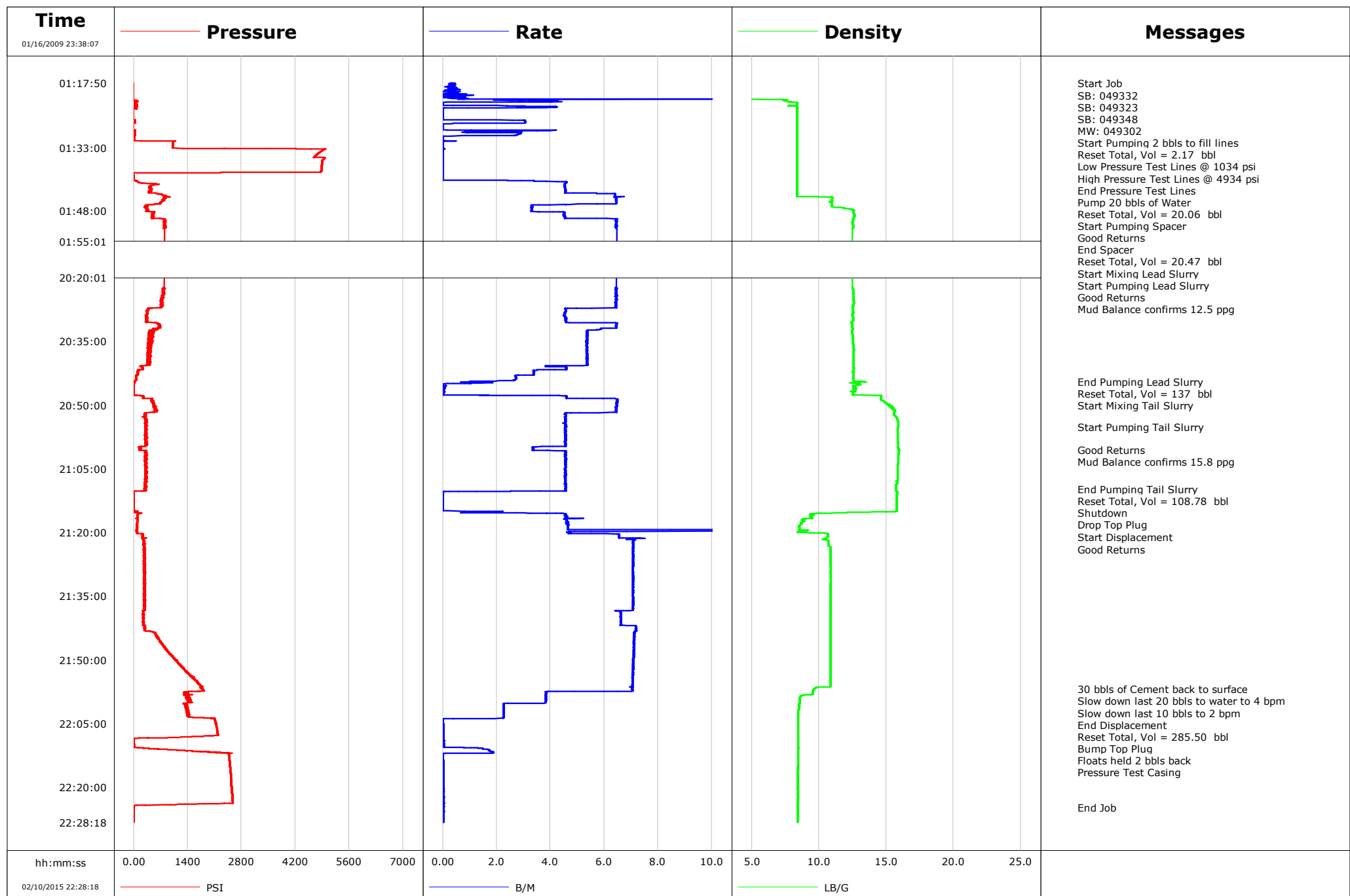


Well Well Middle 6
Field Wattenberg
Engineer Christopher Akwaja/ Stacy Terry
Country United States

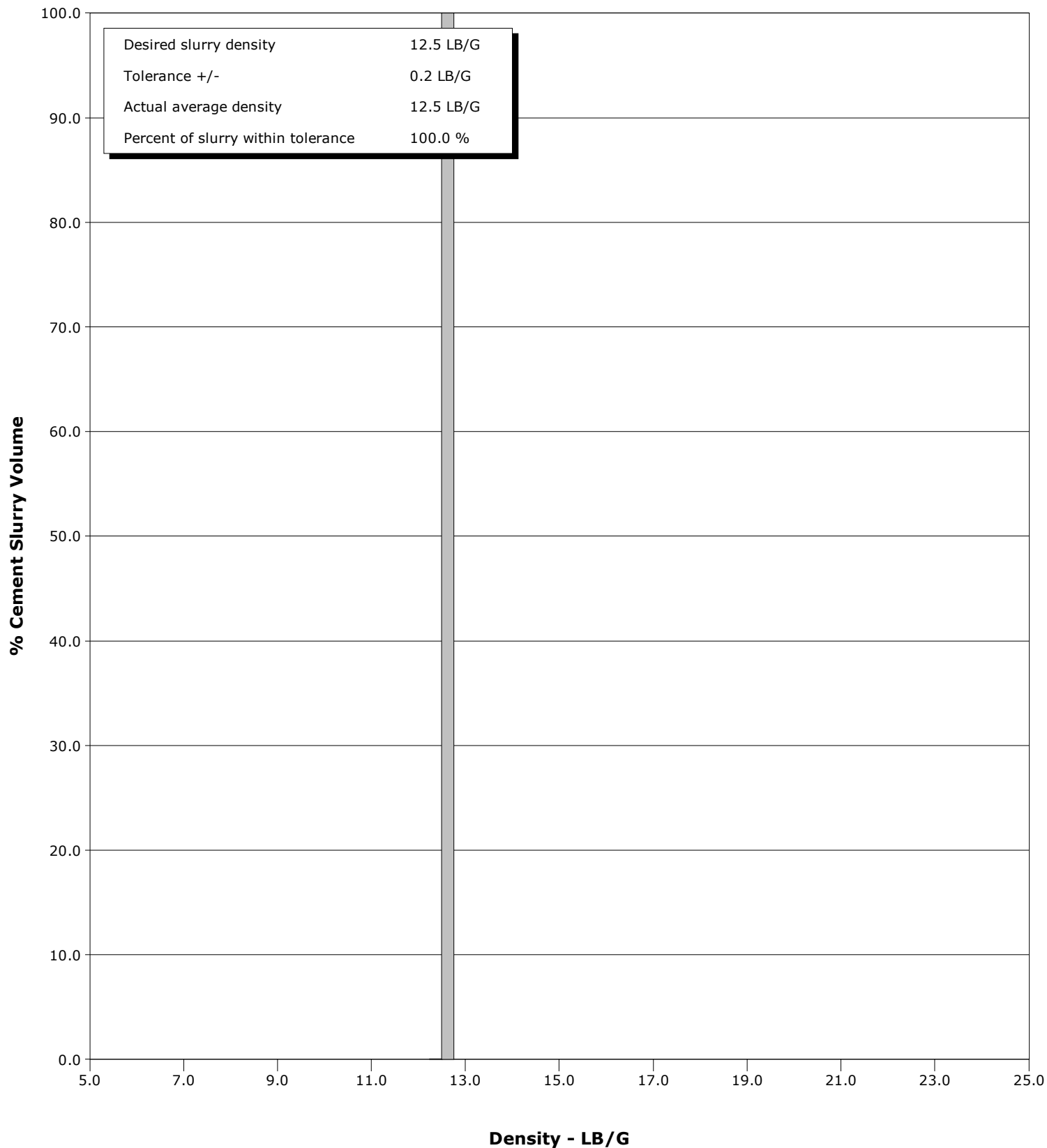
Client Extraction Oil Gas
SIR No. CWJN-00834
Job Type Intermediate
Job Date 02-10-2015



Well Well Middle 6
Field Wattenberg
Engineer Christopher Akwaja/ Stacy Terry
Country United States

Client Extraction Oil Gas
SIR No. CWJN-00834
Job Type Intermediate
Job Date 02-10-2015

Cement Slurry - 01/17/2009 01:48:07 to 02/10/2015 21:09:47



Cementing Service Report

				Customer Extraction Oil & Gas			Job Number CWJN-00834			
Well Well Middle 6 0631621830			Location (legal)			Schlumberger Location Bakersfield			Job Start Feb/10/2015	
Field Wattenberg		Formation Name/Type Limestone		Deviation 0 deg		Bit Size 8.8 in		Well MD 7613.0 ft		Well TVD 7168.0 ft
County Weld		State/Province Colorado		BHP psi		BHST 209 degF		BHCT 177 degF		Pore Press. Gradient lb/gal
Well Master 0631621830		API/UWI								
Rig Name HP 319	Drilled For Oil		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft
Offshore Zone		Well Class New		Well Type Development		7613.0		7.0		26.0
						0.0		0.0		0.0
Drilling Fluid Type		Max. Density 10.50 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe				
						T/D		Depth, ft		Size, in
Service Line Cementing		Job Type Intermediate								
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection		Perforations/Open Hole				
						Top, ft		Bottom, ft		shot/ft
						ft		ft		ft
						ft		ft		ft
						ft		ft		ft
						Treat Down Casing		Displacement 288.0 bbl		Packer Type
										ft
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. 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 psi				Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft			Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs			Stage Tool Type			Tool Depth ft
Cement Head Type Double							Stage Tool Depth ft			Tail Pipe Size in
Job Scheduled For Feb/10/2015 16:30		Arrived on Location Feb/10/2015 16:30		Leave Location Feb/10/2015			Collar Type Float			Tail Pipe Depth ft
							Collar Depth 7622.0 ft			Sqz. Total Vol. bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
01/16/2009	23:38:07	-22	1.4	0.02	0.0	Started Acquisition				
01/17/2009	01:17:52	-17	0.3	0.03	0.6	Start Job				
01/17/2009	01:17:53	-17	0.3	0.03	0.6	SB: 049332				
01/17/2009	01:17:54	-17	0.4	0.03	0.6	SB: 049323				
01/17/2009	01:18:07	-17	0.5	0.03	0.7					
01/17/2009	01:19:47	-18	0.0	0.03	1.3					
01/17/2009	01:21:27	-18	0.3	0.03	1.9					
01/17/2009	01:22:57	84	0.0	8.38	5.6	Start Pumping 2 bbls to fill lines				
01/17/2009	01:23:07	-15	0.4	8.38	5.6					
01/17/2009	01:24:47	-17	0.0	8.39	7.4					
01/17/2009	01:26:27	-17	0.0	8.39	7.4					
01/17/2009	01:28:07	-19	0.0	8.38	9.8					
01/17/2009	01:29:47	35	2.9	8.38	11.7					
01/17/2009	01:30:18	-3	0.7	8.38	13.1	Reset Total, Vol = 2.17 bbl				
01/17/2009	01:31:27	2	0.0	8.38	13.1					
01/17/2009	01:31:32	1062	0.2	8.38	13.1	Low Pressure Test Lines @ 1034 psi				
01/17/2009	01:33:07	1006	0.0	8.38	13.1					
01/17/2009	01:34:47	4746	0.0	8.38	13.1					
01/17/2009	01:36:02	4906	0.0	8.38	13.1	High Pressure Test Lines @ 4934 psi				
01/17/2009	01:36:27	4893	0.0	8.38	13.1					
01/17/2009	01:38:07	4877	0.0	8.38	13.1					

Well			Field		Job Start		Customer		Job Number	
Well Middle 6 0631621830			Wattenberg		Feb/10/2015		Extraction Oil & Gas		CWJN-00834	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
01/17/2009	01:39:47	-1		0.0	8.38		13.1			
01/17/2009	01:41:05	97		4.6	8.38		14.3		Pump 20 bbls of Water	
01/17/2009	01:41:27	235		4.6	8.38		15.9			
01/17/2009	01:43:07	437		4.6	8.38		23.5			
01/17/2009	01:43:59	668		6.4	8.38		27.7		Reset Total, Vol = 20.06 bbl	
01/17/2009	01:44:24	844		6.4	8.38		30.4		Start Pumping Spacer	
01/17/2009	01:44:47	822		6.4	11.00		32.9			
01/17/2009	01:46:27	465		4.6	10.94		43.5			
01/17/2009	01:46:46	293		3.3	10.94		44.6		Good Returns	
01/17/2009	01:47:10	280		3.3	11.53		45.9		End Spacer	
01/17/2009	01:47:21	354		3.3	11.95		46.5		Reset Total, Vol = 20.47 bbl	
01/17/2009	01:47:29	360		3.3	12.25		47.0		Start Mixing Lead Slurry	
01/17/2009	01:48:07	314		3.3	12.58		49.1			
01/17/2009	01:49:47	714		6.3	12.53		56.6			
01/17/2009	01:49:52	766		6.5	12.53		57.1		Start Pumping Lead Slurry	
01/17/2009	01:51:27	774		6.5	12.53		67.3			
02/10/2015	20:23:07	748		6.5	12.52		76.4			
02/10/2015	20:23:09	750		6.5	12.52		76.6		Good Returns	
02/10/2015	20:24:47	757		6.5	12.58		87.1			
02/10/2015	20:25:32	691		6.4	12.59		91.9		Mud Balance confirms 12.5 ppg	
02/10/2015	20:26:27	752		6.4	12.57		97.8			
02/10/2015	20:28:07	327		4.6	12.53		107.0			
02/10/2015	20:29:47	316		4.6	12.53		114.5			
02/10/2015	20:31:27	688		6.5	12.46		123.6			
02/10/2015	20:33:07	428		5.4	12.47		133.4			
02/10/2015	20:34:47	450		5.4	12.51		142.3			
02/10/2015	20:36:27	373		5.4	12.58		151.2			
02/10/2015	20:38:07	430		5.3	12.58		160.1			
02/10/2015	20:39:47	348		5.4	12.57		169.0			
02/10/2015	20:41:27	245		4.6	12.59		177.3			
02/10/2015	20:43:07	65		2.7	12.55		183.3			
02/10/2015	20:44:32	-5		1.0	13.27		186.9		End Pumping Lead Slurry	
02/10/2015	20:44:36	1		1.1	13.41		186.9		Reset Total, Vol = 137 bbl	
02/10/2015	20:44:47	39		1.5	12.41		187.1			
02/10/2015	20:46:27	-10		0.0	12.66		187.5			
02/10/2015	20:47:10	-11		0.0	12.51		187.5		Start Mixing Tail Slurry	
02/10/2015	20:48:07	251		4.6	14.63		189.1			
02/10/2015	20:49:47	502		6.5	15.08		199.2			
02/10/2015	20:51:27	553		6.4	15.56		210.0			
02/10/2015	20:53:07	290		4.6	15.78		218.3			
02/10/2015	20:54:47	322		4.5	15.88		225.9			
02/10/2015	20:55:09	285		4.6	15.87		227.6		Start Pumping Tail Slurry	
02/10/2015	20:56:27	290		4.6	15.86		233.5			
02/10/2015	20:58:07	287		4.6	15.85		241.1			
02/10/2015	20:59:47	294		4.6	15.87		248.7			
02/10/2015	21:00:30	181		3.4	15.93		251.1		Good Returns	
02/10/2015	21:00:54	290		4.6	15.94		252.6		Mud Balance confirms 15.8 ppg	
02/10/2015	21:01:27	303		4.6	15.91		255.1			
02/10/2015	21:03:07	311		4.5	15.88		262.7			
02/10/2015	21:04:47	298		4.5	15.86		270.3			
02/10/2015	21:06:27	320		4.6	15.86		277.9			
02/10/2015	21:08:07	340		4.5	15.79		285.5			
02/10/2015	21:09:47	273		4.6	15.72		293.1		End Pumping Tail Slurry	
02/10/2015	21:10:01	274		4.6	15.72		294.1		Reset Total, Vol = 108.78 bbl	

Well			Field		Job Start		Customer		Job Number	
Well Middle 6 0631621830			Wattenberg		Feb/10/2015		Extraction Oil & Gas		CWJN-00834	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
02/10/2015	21:10:33	-2		0.0	15.80		295.7		Drop Top Plug	
02/10/2015	21:11:27	-3		0.0	15.79		295.7			
02/10/2015	21:13:07	-4		0.0	15.77		295.7			
02/10/2015	21:14:47	-19		0.0	15.77		295.7			
02/10/2015	21:16:27	91		4.6	9.45		300.9			
02/10/2015	21:18:07	79		4.7	8.69		308.7			
02/10/2015	21:18:52	83		4.6	8.54		312.2		Start Displacement	
02/10/2015	21:19:47	79		9.7	8.72		321.0			
02/10/2015	21:21:27	272		7.4	10.51		331.0			
02/10/2015	21:23:07	258		7.1	10.69		342.8			
02/10/2015	21:24:01	265		7.1	10.83		349.1		Good Returns	
02/10/2015	21:24:47	273		7.1	10.85		354.5			
02/10/2015	21:26:27	278		7.1	10.86		366.3			
02/10/2015	21:28:07	262		7.1	10.86		378.1			
02/10/2015	21:29:47	293		7.1	10.86		389.9			
02/10/2015	21:31:27	270		7.1	10.86		401.7			
02/10/2015	21:33:07	267		7.1	10.86		413.5			
02/10/2015	21:34:47	264		7.1	10.86		425.3			
02/10/2015	21:36:27	297		7.1	10.86		437.0			
02/10/2015	21:38:07	264		7.1	10.86		448.8			
02/10/2015	21:39:47	255		6.6	10.85		460.0			
02/10/2015	21:41:27	256		6.6	10.85		471.0			
02/10/2015	21:43:07	275		7.2	10.84		482.7			
02/10/2015	21:44:47	604		7.1	10.85		494.6			
02/10/2015	21:46:27	732		7.1	10.85		506.4			
02/10/2015	21:48:07	883		7.1	10.85		518.2			
02/10/2015	21:49:47	1066		7.1	10.85		530.1			
02/10/2015	21:51:27	1219		7.1	10.85		541.9			
02/10/2015	21:53:07	1389		7.1	10.85		553.6			
02/10/2015	21:54:47	1608		7.0	10.85		565.4			
02/10/2015	21:56:27	1778		7.0	10.35		577.1			
02/10/2015	21:56:53	1768		7.0	9.65		580.2		30 bbls of Cement back to surface	
02/10/2015	21:58:07	1348		3.8	9.51		586.8			
02/10/2015	21:58:23	1358		3.8	8.89		587.8		Slow down last 20 bbls to water to 4 bpm	
02/10/2015	21:59:47	1401		3.8	8.56		593.2			
02/10/2015	22:00:27	1319		2.2	8.53		595.4		Slow down last 10 bbls to 2 bpm	
02/10/2015	22:01:27	1349		2.2	8.52		597.7			
02/10/2015	22:03:07	1410		2.3	8.44		601.4			
02/10/2015	22:03:59	2107		0.0	8.43		603.1		End Displacement	
02/10/2015	22:04:06	2105		0.0	8.43		603.1		Reset Total, Vol = 285.50 bbl	
02/10/2015	22:04:08	2105		0.0	8.43		603.1		Bump Top Plug	
02/10/2015	22:04:47	2124		0.0	8.43		603.1			
02/10/2015	22:06:27	2161		0.0	8.43		603.1			
02/10/2015	22:08:07	1578		0.0	8.43		603.2			
02/10/2015	22:08:44	-2		0.0	8.43		603.2		Floats held 2 bbls back	
02/10/2015	22:09:47	-0		0.0	8.43		603.3			
02/10/2015	22:10:47	143		1.2	8.46		603.4		Pressure Test Casing	
02/10/2015	22:11:27	1417		1.7	8.44		604.5			
02/10/2015	22:13:07	2482		0.0	8.43		605.6			
02/10/2015	22:14:47	2497		0.0	8.43		605.6			
02/10/2015	22:16:27	2512		0.0	8.43		605.7			
02/10/2015	22:18:07	2526		0.0	8.43		605.7			
02/10/2015	22:19:47	2539		0.0	8.42		605.8			
02/10/2015	22:21:27	2552		0.0	8.43		605.8			

Well			Field		Job Start	Customer		Job Number	
Well Middle 6 0631621830			Wattenberg		Feb/10/2015	Extraction Oil & Gas		CWJN-00834	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/10/2015	22:24:47	-4	0.0	8.43	605.9				
02/10/2015	22:24:48	-4	0.0	8.43	605.9	End Job			
02/10/2015	22:26:27	-3	0.0	8.42	606.0				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 2.6	N2	Mud	Maximum Rate 25.0		Total Slurry 606.1	Mud 0.0	Spacer 45.3	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 6647	Final -9	Average 914	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 239.0 bbl	Displacement 307.4 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 30.0 bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Justin Glore			Schlumberger Supervisor Christopher Akwaja/ Stacy Terry			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					