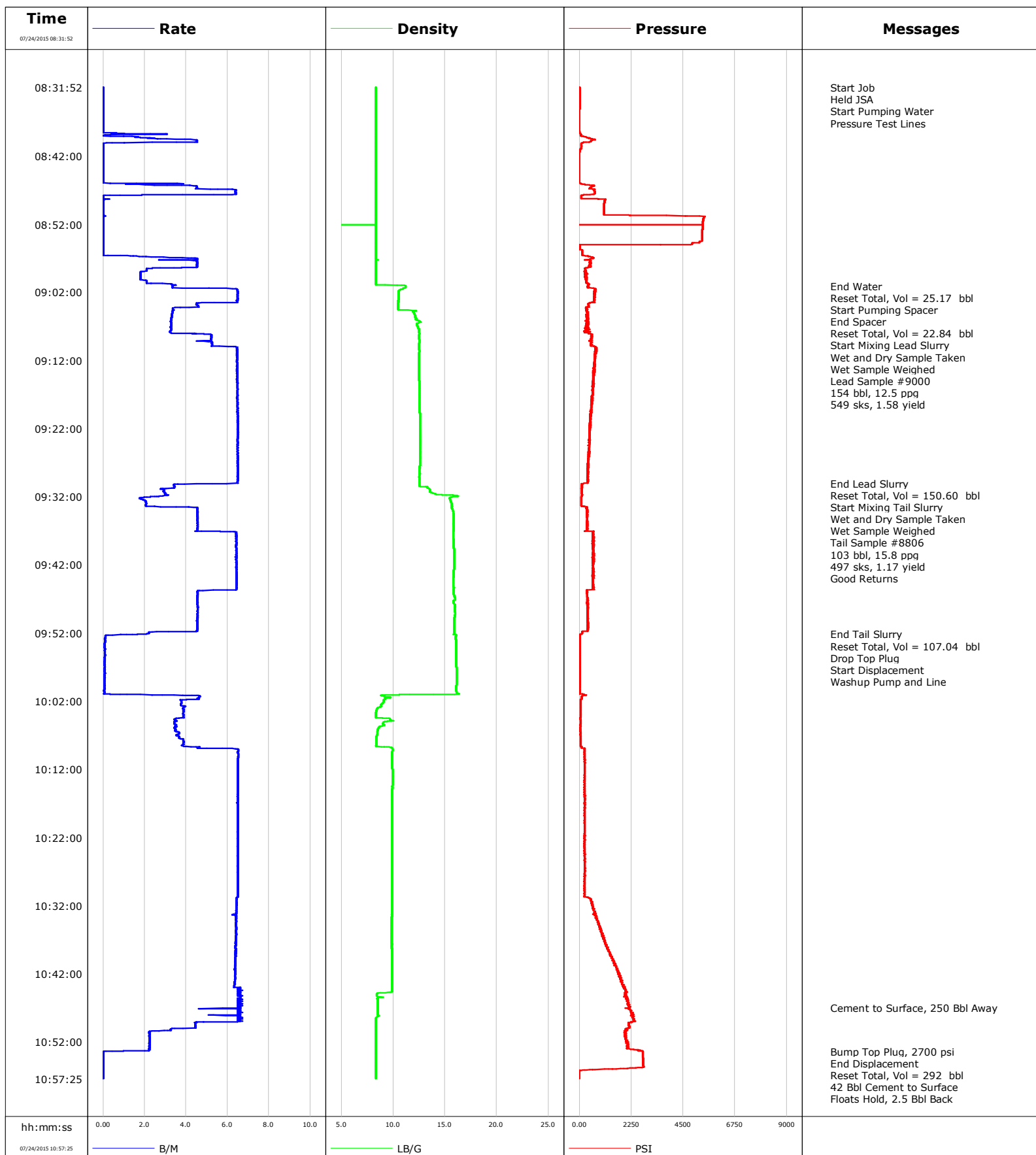


Well Waag 22
Field Wattenberg
Engineer Ryan Drilling/Ken Sovereign
Country United States

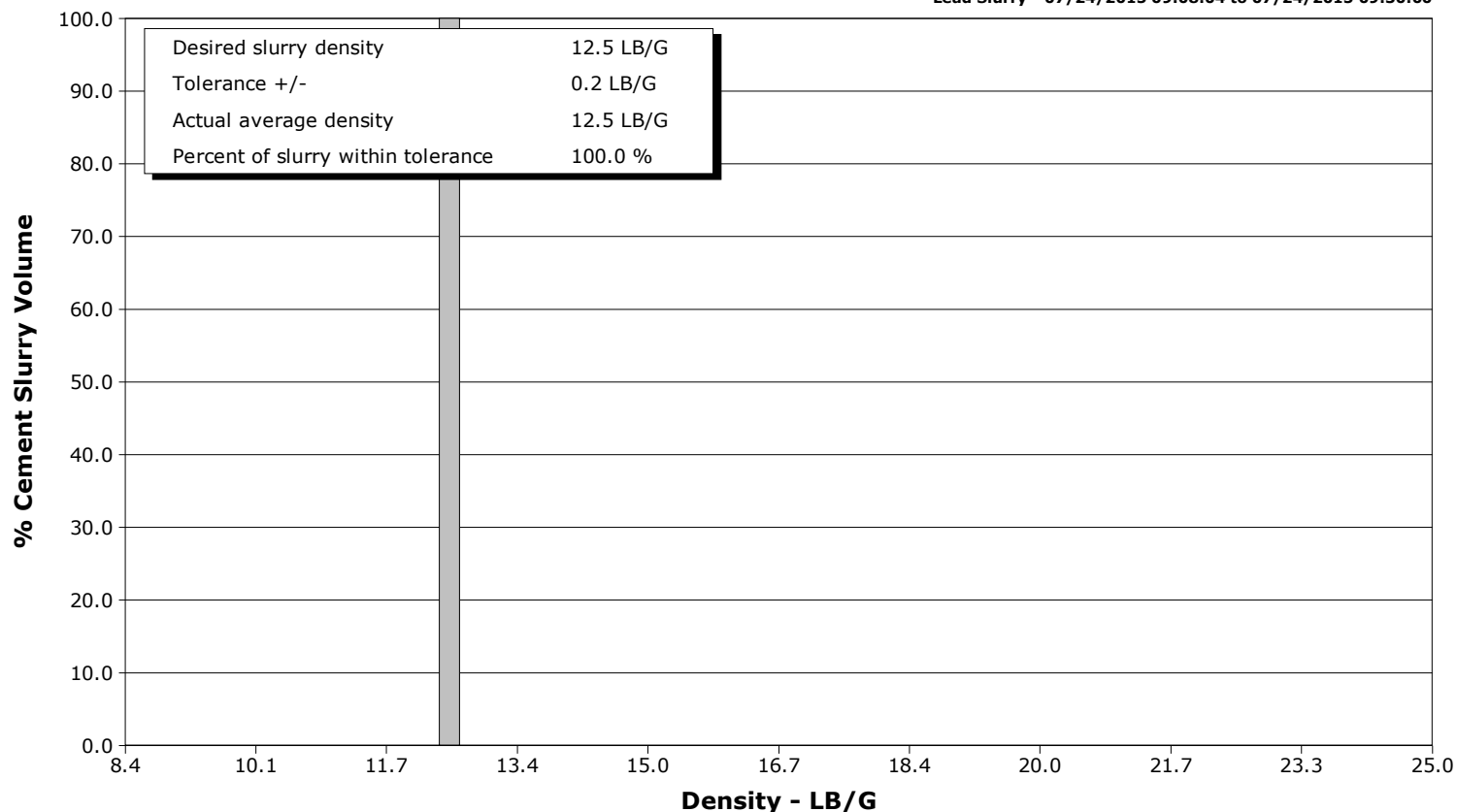
Client Extraction
SIR No. DAXH-00249
Job Type 7" Intermediate
Job Date 07-24-2015



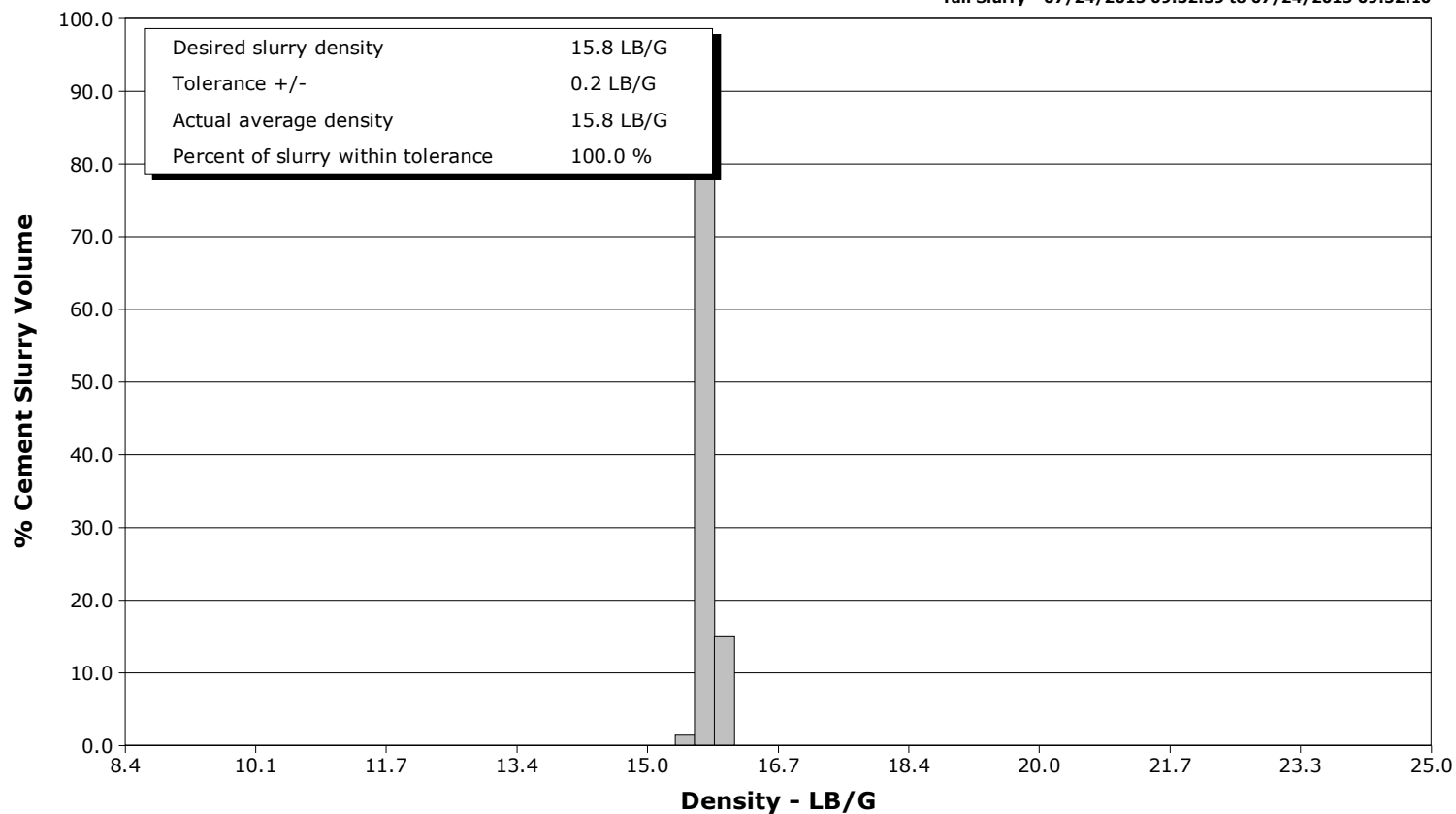
Well Waag 22
Field Wattenberg
Engineer Ryan Drilling/Ken Sovereign
Country United States

Client Extraction
SIR No. DAXH-00249
Job Type 7" Intermediate
Job Date 07-24-2015

Lead Slurry - 07/24/2015 09:08:04 to 07/24/2015 09:30:00



Tail Slurry - 07/24/2015 09:32:59 to 07/24/2015 09:52:10



Cementing Service Report

					Customer Extraction			Job Number DAXH-00249	
Well Waag 22 22			Location (legal) CWY			Schlumberger Location Rock Springs		Job Start Jul/24/2015	
Field Wattenberg		Formation Name/Type Shale		Deviation 90 deg		Bit Size 8.8 in		Well MD 7683.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 212 degF		BHCT 180 degF	
Well Master 0631593031		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Patterson 346		Drilled For Oil		Service Via Land		Casing/Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		850.0		9.6	
						7681.8		7.0	
						36.0		k55	
						26.0		k55	
Drilling Fluid Type Bentonite		Max. Density 9.30 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
						Grade		Thread	
Service Line Cementing		Job Type 7" Intermediate							
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	
						ft		ft	
						Treat Down Casing		Displacement 294.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 292.3 bbl	
						Annular Vol. 25.3 bbl		Openhole Vol. 183.0 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 2200 psi						Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 7681.0 ft		Tool Type	
No. Centralizers 48		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 Jul/24/2015 07:00		Arrived on Location Jul/24/2015 07:00		Leave Location Jul/24/2015 12:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 7639.0 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		
07/24/2015	08:31:52	1	0.0	8.32	0.2	0	Started Acquisition		
07/24/2015	08:31:53	1	0.0	8.32	0.2	0	Held JSA		
07/24/2015	08:32:01	1	0.0	8.32	0.2	0	Start Pumping Water		
07/24/2015	08:32:03	2	0.0	8.32	0.2	0	Pressure Test Lines		
07/24/2015	08:32:52	2	0.0	8.32	0.2	0			
07/24/2015	08:33:52	1	0.0	8.32	0.2	0			
07/24/2015	08:34:52	1	0.0	8.32	0.2	0			
07/24/2015	08:35:52	-2	0.0	8.32	0.2	0			
07/24/2015	08:36:52	-2	0.0	8.32	0.2	0			
07/24/2015	08:37:52	-1	0.0	8.32	0.2	0			
07/24/2015	08:38:52	66	0.4	8.32	0.4	0			
07/24/2015	08:39:52	486	4.5	8.32	2.9	0			
07/24/2015	08:40:52	68	0.0	8.32	3.5	0			
07/24/2015	08:41:52	-2	0.0	8.32	3.5	0			
07/24/2015	08:42:52	-2	0.0	8.32	3.5	0			
07/24/2015	08:43:52	-3	0.0	8.32	3.5	0			
07/24/2015	08:44:52	-2	0.0	8.32	3.6	0			
07/24/2015	08:45:52	-2	0.0	8.32	3.6	0			
07/24/2015	08:46:52	639	6.0	8.32	6.9	0			
07/24/2015	08:47:52	68	0.0	8.32	12.1	0			
07/24/2015	08:48:52	1077	0.0	8.32	12.1	0			

Well			Field		Job Start		Customer		Job Number	
Waag 22 22			Wattenberg		Jul/24/2015		Extraction		DAXH-00249	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
07/24/2015	08:50:52	5437	0.0	8.32	12.1	0				
07/24/2015	08:51:52	5352	0.0	8.32	12.1	0				
07/24/2015	08:52:52	5339	0.0	8.32	12.2	0				
07/24/2015	08:53:52	5332	0.0	8.32	12.2	0				
07/24/2015	08:54:52	4895	0.0	8.32	12.2	0				
07/24/2015	08:55:52	115	0.0	8.32	12.2	0				
07/24/2015	08:56:52	578	3.2	8.32	12.7	0				
07/24/2015	08:57:52	452	4.5	8.32	17.1	0				
07/24/2015	08:58:52	256	2.1	8.32	20.5	0				
07/24/2015	08:59:52	278	1.8	8.32	22.3	0				
07/24/2015	09:00:52	368	3.3	8.32	24.5	0				
07/24/2015	09:01:02	392	3.3	11.20	25.0	27	End Water			
07/24/2015	09:01:03	392	3.3	11.21	25.1	27	Reset Total, Vol = 25.17 bbl			
07/24/2015	09:01:06	354	3.3	11.22	25.3	28	Start Pumping Spacer			
07/24/2015	09:01:52	691	6.5	10.53	29.3	29				
07/24/2015	09:02:52	631	6.5	10.52	35.8	31				
07/24/2015	09:03:52	396	4.6	10.49	41.6	26				
07/24/2015	09:04:52	324	3.3	11.93	45.3	16				
07/24/2015	09:05:38	350	3.3	12.11	47.9	24	End Spacer			
07/24/2015	09:05:39	370	3.3	12.11	47.9	25	Reset Total, Vol = 22.84 bbl			
07/24/2015	09:05:52	391	3.3	12.24	48.7	26				
07/24/2015	09:06:52	380	3.3	12.32	51.9	36				
07/24/2015	09:07:52	304	3.3	12.50	55.2	35				
07/24/2015	09:08:04	487	4.3	12.52	56.0	34	Start Mixing Lead Slurry			
07/24/2015	09:08:05	477	4.5	12.52	56.0	34	Wet and Dry Sample Taken			
07/24/2015	09:08:06	502	4.9	12.52	56.1	34	Wet Sample Weighed			
07/24/2015	09:08:07	502	4.9	12.52	56.2	34	Lead Sample #9000			
07/24/2015	09:08:08	525	5.1	12.52	56.3	34	154 bbl, 12.5 ppg			
07/24/2015	09:08:52	531	5.2	12.51	60.1	33				
07/24/2015	09:09:52	496	5.2	12.50	65.3	32				
07/24/2015	09:10:52	674	6.5	12.51	71.7	30				
07/24/2015	09:11:52	661	6.5	12.48	78.1	29				
07/24/2015	09:12:52	625	6.5	12.48	84.6	28				
07/24/2015	09:13:52	602	6.5	12.49	91.0	28				
07/24/2015	09:14:52	594	6.5	12.51	97.5	27				
07/24/2015	09:15:52	608	6.5	12.54	104.0	28				
07/24/2015	09:16:52	567	6.5	12.55	110.4	28				
07/24/2015	09:17:52	579	6.5	12.55	116.9	28				
07/24/2015	09:18:52	527	6.5	12.55	123.4	28				
07/24/2015	09:19:52	468	6.5	12.57	129.9	28				
07/24/2015	09:20:52	471	6.5	12.57	136.4	29				
07/24/2015	09:21:52	439	6.5	12.59	142.9	29				
07/24/2015	09:22:52	453	6.5	12.59	149.4	29				
07/24/2015	09:23:52	449	6.5	12.60	155.9	29				
07/24/2015	09:24:52	395	6.5	12.60	162.3	29				
07/24/2015	09:25:52	380	6.5	12.59	168.8	29				
07/24/2015	09:26:52	385	6.5	12.57	175.3	29				
07/24/2015	09:27:52	365	6.5	12.56	181.8	29				
07/24/2015	09:28:52	363	6.5	12.54	188.3	29				
07/24/2015	09:29:52	350	6.5	12.52	194.8	17				
07/24/2015	09:30:00	360	6.5	12.52	195.6	17	End Lead Slurry			
07/24/2015	09:30:46	82	3.3	13.43	198.5	38	Reset Total, Vol = 150.60 bbl			
07/24/2015	09:30:52	94	2.8	13.50	198.8	39				
07/24/2015	09:31:52	104	2.9	16.22	201.8	34				

Well			Field		Job Start		Customer		Job Number
Waag 22 22			Wattenberg		Jul/24/2015		Extraction		DAXH-00249
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
07/24/2015	09:32:59	83	2.1	15.64	204.1	41	Start Mixing Tail Slurry		
07/24/2015	09:33:08	83	2.1	15.64	204.4	40	Wet and Dry Sample Taken		
07/24/2015	09:33:09	83	2.1	15.64	204.5	40	Wet Sample Weighed		
07/24/2015	09:33:10	83	2.1	15.64	204.5	40	103 bbl, 15.8 ppg		
07/24/2015	09:33:11	84	2.1	15.64	204.5	40	497 sks, 1.17 yield		
07/24/2015	09:33:52	347	4.5	15.72	206.9	43			
07/24/2015	09:34:52	320	4.6	15.84	211.4	45			
07/24/2015	09:35:35	346	4.5	15.86	214.7	45	Good Returns		
07/24/2015	09:35:52	349	4.6	15.82	216.0	45			
07/24/2015	09:36:52	308	4.5	15.82	220.5	45			
07/24/2015	09:37:52	629	6.4	15.81	226.5	44			
07/24/2015	09:38:52	607	6.4	15.83	233.0	43			
07/24/2015	09:39:52	610	6.4	15.86	239.4	43			
07/24/2015	09:40:52	635	6.4	15.87	245.8	42			
07/24/2015	09:41:52	577	6.5	15.87	252.2	42			
07/24/2015	09:42:52	617	6.4	15.84	258.7	42			
07/24/2015	09:43:52	605	6.4	15.81	265.1	42			
07/24/2015	09:44:52	584	6.4	15.81	271.5	43			
07/24/2015	09:45:52	336	4.6	15.83	277.7	43			
07/24/2015	09:46:52	328	4.5	15.97	282.2	41			
07/24/2015	09:47:52	370	4.5	15.96	286.8	42			
07/24/2015	09:48:52	360	4.6	15.96	291.3	44			
07/24/2015	09:49:52	364	4.5	15.87	295.9	50			
07/24/2015	09:50:52	379	4.5	15.88	300.4	55			
07/24/2015	09:51:52	120	2.3	15.88	304.8	74			
07/24/2015	09:52:10	82	1.9	15.84	305.5	77	End Tail Slurry		
07/24/2015	09:52:15	12	0.9	16.02	305.6	0	Reset Total, Vol = 107.04 bbl		
07/24/2015	09:52:19	11	0.2	16.06	305.6	0	Drop Top Plug		
07/24/2015	09:52:20	12	0.1	16.06	305.6	0	Start Displacement		
07/24/2015	09:52:26	11	0.1	16.06	305.6	0	Washup Pump and Line		
07/24/2015	09:52:52	11	0.1	16.05	305.7	0			
07/24/2015	09:53:52	11	0.1	16.07	305.8	0			
07/24/2015	09:54:52	10	0.1	16.09	305.9	0			
07/24/2015	09:55:52	10	0.1	16.10	305.9	0			
07/24/2015	09:56:52	9	0.1	16.10	306.0	0			
07/24/2015	09:57:52	10	0.1	16.10	306.1	0			
07/24/2015	09:58:52	2	0.1	16.11	306.2	0			
07/24/2015	09:59:52	0	0.1	16.09	306.2	0			
07/24/2015	10:00:52	9	0.0	16.29	306.3	77			
07/24/2015	10:01:52	57	3.7	9.07	309.9	67			
07/24/2015	10:02:52	53	3.9	8.71	313.7	67			
07/24/2015	10:03:52	51	3.9	8.34	317.5	67			
07/24/2015	10:04:52	50	3.5	10.00	321.2	23			
07/24/2015	10:05:52	44	3.4	8.63	324.7	19			
07/24/2015	10:06:52	44	3.6	8.47	328.3	10			
07/24/2015	10:07:52	60	3.9	8.38	332.0	28			
07/24/2015	10:08:52	131	4.6	9.91	336.0	0			
07/24/2015	10:09:52	229	6.5	9.90	342.3	0			
07/24/2015	10:10:52	222	6.5	9.91	348.8	0			
07/24/2015	10:11:52	219	6.5	9.91	355.3	0			
07/24/2015	10:12:52	221	6.5	9.94	361.8	0			
07/24/2015	10:13:52	215	6.5	9.93	368.3	0			
07/24/2015	10:14:52	218	6.5	9.93	374.8	0			
07/24/2015	10:15:52	222	6.5	9.92	381.3	0			

Well			Field		Job Start	Customer		Job Number
Waag 22 22			Wattenberg		Jul/24/2015	Extraction		DAXH-00249
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
07/24/2015	10:17:52	233	6.5	9.91	394.3	0		
07/24/2015	10:18:52	226	6.5	9.90	400.8	0		
07/24/2015	10:19:52	225	6.5	9.89	407.3	0		
07/24/2015	10:20:52	219	6.5	9.89	413.8	0		
07/24/2015	10:21:52	213	6.5	9.89	420.3	0		
07/24/2015	10:22:52	209	6.5	9.89	426.8	0		
07/24/2015	10:23:52	219	6.5	9.89	433.2	0		
07/24/2015	10:24:52	221	6.5	9.88	439.7	0		
07/24/2015	10:25:52	226	6.5	9.88	446.2	0		
07/24/2015	10:26:52	238	6.5	9.88	452.7	0		
07/24/2015	10:27:52	227	6.5	9.88	459.2	0		
07/24/2015	10:28:52	225	6.5	9.88	465.7	0		
07/24/2015	10:29:52	222	6.5	9.88	472.2	0		
07/24/2015	10:30:52	406	6.4	9.88	478.7	0		
07/24/2015	10:31:52	554	6.4	9.88	485.1	0		
07/24/2015	10:32:52	672	6.4	9.88	491.6	0		
07/24/2015	10:33:52	773	6.4	9.88	498.0	0		
07/24/2015	10:34:52	842	6.4	9.88	504.4	0		
07/24/2015	10:35:52	930	6.4	9.88	510.8	0		
07/24/2015	10:36:52	1027	6.4	9.88	517.2	0		
07/24/2015	10:37:52	1162	6.4	9.88	523.6	0		
07/24/2015	10:38:52	1311	6.4	9.88	530.0	0		
07/24/2015	10:39:52	1457	6.4	9.88	536.4	0		
07/24/2015	10:40:52	1597	6.4	9.88	542.7	0		
07/24/2015	10:41:52	1695	6.4	9.89	549.1	0		
07/24/2015	10:42:52	1782	6.4	9.89	555.5	0		
07/24/2015	10:43:52	1886	6.3	9.89	561.8	0		
07/24/2015	10:44:52	1977	6.5	8.54	568.3	0		
07/24/2015	10:45:52	2098	6.5	8.53	574.9	0		
07/24/2015	10:46:52	2215	6.5	8.51	581.5	0		
07/24/2015	10:47:01	2160	6.6	8.50	582.5	0	Cement to Surface, 250 Bbl Away	
07/24/2015	10:47:52	2257	6.6	8.51	588.0	0		
07/24/2015	10:48:52	2358	6.5	8.31	594.5	0		
07/24/2015	10:49:52	2152	4.5	8.32	599.4	0		
07/24/2015	10:50:52	2035	2.2	8.31	602.4	0		
07/24/2015	10:51:52	2028	2.2	8.31	604.6	0		
07/24/2015	10:52:52	2130	2.2	8.31	606.8	0		
07/24/2015	10:53:22	2719	0.4	8.31	607.9	0	Bump Top Plug, 2700 psi	
07/24/2015	10:53:29	2739	0.0	8.31	607.9	0	End Displacement	
07/24/2015	10:53:30	2739	0.0	8.31	607.9	0	Reset Total, Vol = 292 bbl	
07/24/2015	10:53:31	2739	0.0	8.31	607.9	0	42 Bbl Cement to Surface	
07/24/2015	10:53:52	2747	0.0	8.31	607.9	0		
07/24/2015	10:54:52	2766	0.0	8.32	607.9	0		
07/24/2015	10:55:52	2319	0.0	8.32	607.9	0		
07/24/2015	10:56:30	-5	0.0	8.32	607.9	0	Floats Hold, 2.5 Bbl Back	
07/24/2015	10:56:52	-3	0.0	8.32	607.9	0		

Well Waag 22 22	Field Wattenberg	Job Start Jul/24/2015	Customer Extraction	Job Number DAXH-00249
---------------------------	----------------------------	---------------------------------	-------------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 4.3	N2	Mud	Maximum Rate 6.7		Total Slurry 257.0	Mud 0.0	Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 5442	Final -2	Average 728	Bump Plug to 2750	Breakdown	Type		Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 292.0 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		
								Volume 50.0 bbl		
								Washed Thru Perfs <input type="checkbox"/>		
								To ft		
Customer or Authorized Representative			Schlumberger Supervisor				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
			Ryan Drilling/Ken Sovereign				-		-	