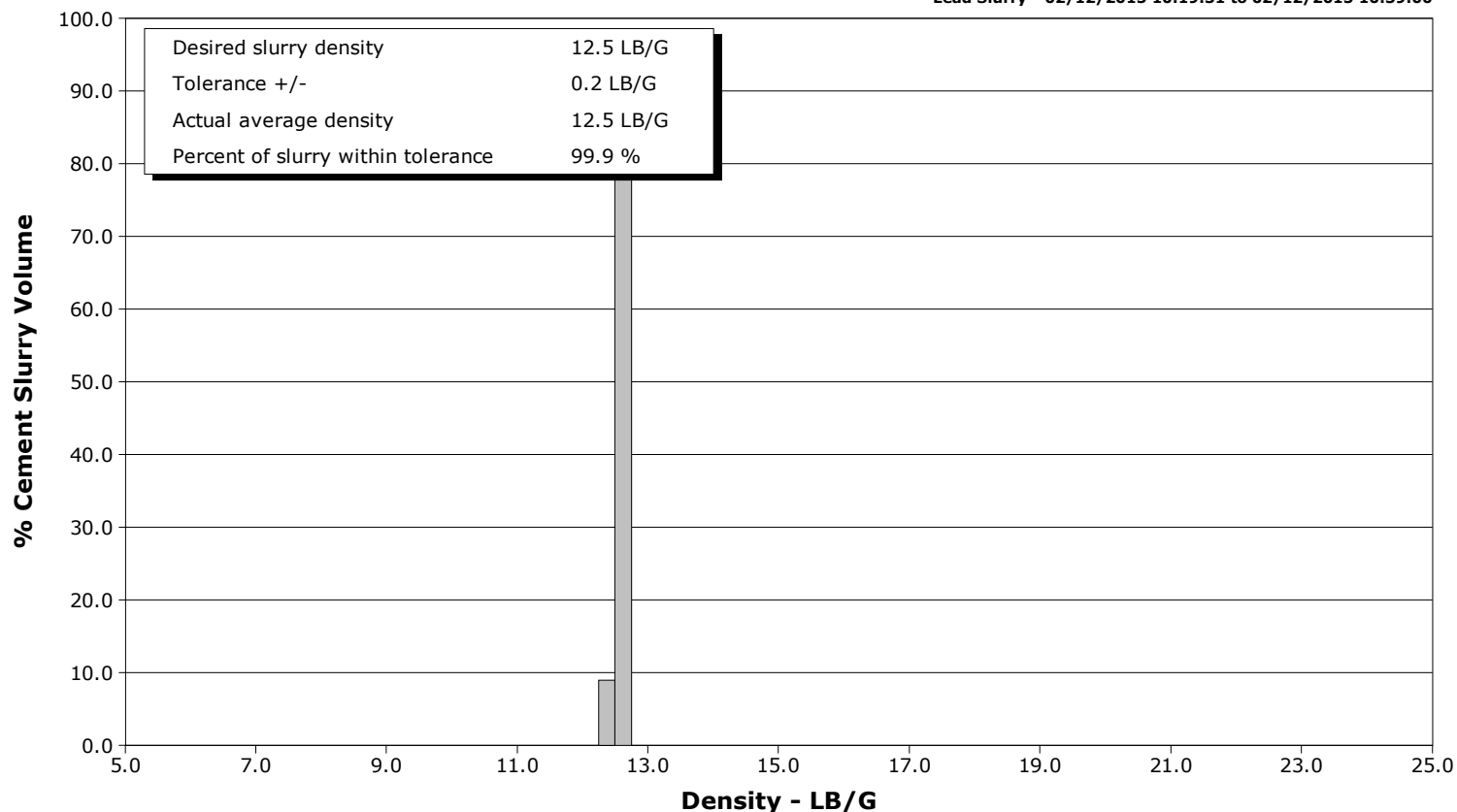




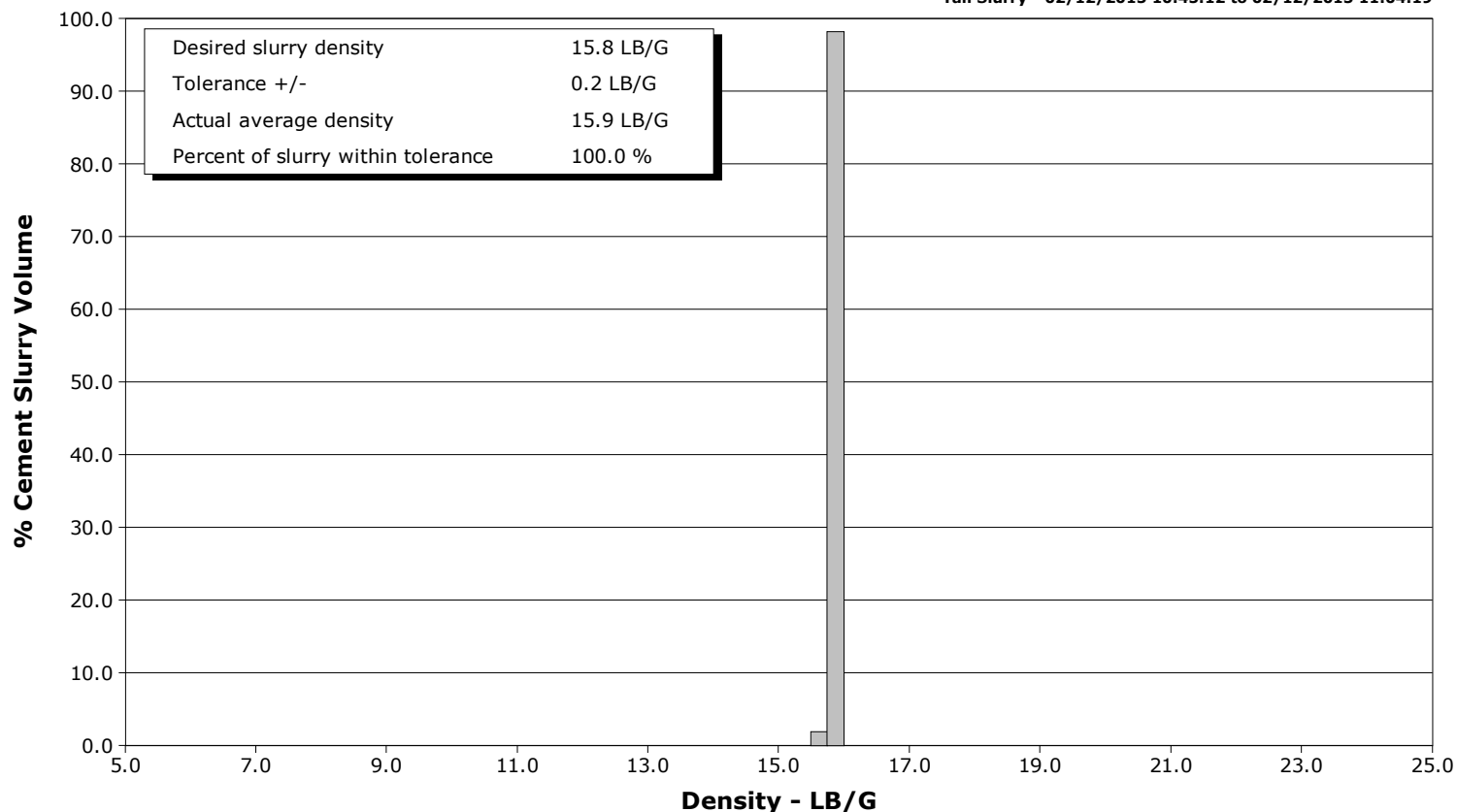
**Well** Wagg North 4  
**Field** Wattenberg  
**Engineer** Justin Zika/Leiker  
**Country** United States

**Client** Extraction Oil Gas  
**SIR No.** 2085338  
**Job Type** Intermediate  
**Job Date** 02-12-2015

**Lead Slurry - 02/12/2015 10:19:31 to 02/12/2015 10:39:00**



**Tail Slurry - 02/12/2015 10:45:12 to 02/12/2015 11:04:19**



# Cementing Service Report

				Customer Extraction Oil & Gas				Job Number 2085338			
Well Wagg North 4 4			Location (legal) Cheyenne,WY			Schlumberger Location CWY			Job Start Feb/12/2015		
Field Wattenberg		Formation Name/Type Shale		Deviation deg		Bit Size 8.8 in		Well MD 7795.0 ft		Well TVD ft	
County Weld		State/Province Colorado		BHP psi		BHST 212 degF		BHCT 178 degF		Pore Press. Gradient lb/gal	
Well Master 0631593028		API/UWI									
Rig Name Xtreme 7		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		7785.0		7.0		26.0	
						0.0		0.0		0.0	
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 Intermediate									
Max. Allowed Tub. Press 4500 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	
										Diameter in	
						Treat Down Casing		Displacement 296.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 298.0 bbl		Annular Vol. 211.0 bbl	
										Openhole Vol. 511.0 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 5260 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 7785.0 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 Feb/12/2015 07:00		Arrived on Location Feb/12/2015 07:00		Leave Location Feb/12/2015 14:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 7740.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
02/12/2015	09:33:40	0	0.0	0.01	0.0	Started Acquisition					
02/12/2015	09:33:42	-0	0.0	0.01	0.0	Start Job					
02/12/2015	09:33:43	-0	0.0	0.01	0.0	Rig Up					
02/12/2015	09:35:20	-0	0.0	0.01	0.0						
02/12/2015	09:37:00	9	0.6	8.03	2.9						
02/12/2015	09:38:40	100	3.0	8.41	8.5						
02/12/2015	09:40:20	-1	0.0	8.38	10.9						
02/12/2015	09:42:00	-6	0.0	8.37	0.0						
02/12/2015	09:43:40	154	1.2	8.37	1.2						
02/12/2015	09:45:00	87	0.0	8.37	3.2	Pressure Test Lines					
02/12/2015	09:45:20	86	0.0	8.37	3.2						
02/12/2015	09:47:00	1925	0.0	8.37	3.2						
02/12/2015	09:48:01	3371	0.0	8.37	3.2	Hig Test 5294 psi = No Good					
02/12/2015	09:48:40	5220	0.0	8.37	3.2						
02/12/2015	09:50:20	4118	0.0	8.37	3.2						
02/12/2015	09:52:00	1	0.0	8.37	3.2						
02/12/2015	09:53:40	0	0.0	8.37	3.2						
02/12/2015	09:55:20	0	0.0	8.37	3.2						
02/12/2015	09:57:00	-0	0.0	8.37	3.2						
02/12/2015	09:58:40	-1	0.0	8.37	3.2						
02/12/2015	10:00:20	759	2.5	8.37	5.0						

Well			Field	Job Start		Customer	Job Number	
Wagg North 4 4			Wattenberg		Feb/12/2015		Extraction Oil & Gas	2085338
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/12/2015	10:01:01	117	0.0	8.37	6.2	High Test 4910 psi = Good		
02/12/2015	10:02:00	1770	0.0	8.37	6.3			
02/12/2015	10:03:40	1722	0.0	8.37	6.3			
02/12/2015	10:05:20	4912	0.0	8.37	6.3			
02/12/2015	10:07:00	4880	0.0	8.37	6.3			
02/12/2015	10:08:40	6	0.0	8.37	6.3			
02/12/2015	10:10:20	13	0.0	8.37	6.3			
02/12/2015	10:12:00	12	0.0	8.37	6.3			
02/12/2015	10:13:40	7	0.0	8.36	6.3			
02/12/2015	10:15:20	639	5.0	11.14	9.4			
02/12/2015	10:15:40	609	5.0	11.03	11.1	Start Pumping Spacer		
02/12/2015	10:15:41	601	5.0	11.03	11.1	Pump 20 bbls Of 11.0 ppg Mudpush		
02/12/2015	10:17:00	438	3.5	11.05	16.0			
02/12/2015	10:18:40	449	3.4	12.62	21.8			
02/12/2015	10:19:31	441	3.5	12.57	24.7	Start Mixing Lead Slurry		
02/12/2015	10:19:40	437	3.4	12.69	25.2	Pump 137 bbls Of 12.5 ppg Lead		
02/12/2015	10:19:41	428	3.4	12.70	25.3	Weight 12.5 ppg		
02/12/2015	10:20:20	480	3.5	12.45	27.5			
02/12/2015	10:22:00	403	3.4	12.52	33.2			
02/12/2015	10:23:40	575	5.0	12.53	40.3			
02/12/2015	10:25:20	782	6.4	12.56	48.9			
02/12/2015	10:27:00	745	6.4	12.56	59.6			
02/12/2015	10:28:40	665	6.4	12.55	70.2			
02/12/2015	10:30:20	636	6.4	12.51	80.9			
02/12/2015	10:32:00	623	6.4	12.53	91.6			
02/12/2015	10:33:40	615	6.4	12.53	102.3			
02/12/2015	10:35:20	550	6.4	12.53	113.0			
02/12/2015	10:37:00	501	6.4	12.56	123.8			
02/12/2015	10:38:40	470	6.4	12.56	134.5			
02/12/2015	10:39:00	502	6.4	12.60	136.6	End Lead Slurry		
02/12/2015	10:40:20	453	6.4	12.68	145.2			
02/12/2015	10:42:00	126	4.9	12.62	153.7			
02/12/2015	10:43:40	161	3.3	14.88	159.5			
02/12/2015	10:45:12	153	3.5	15.64	164.7	Start Mixing Tail Slurry		
02/12/2015	10:45:14	151	3.5	15.65	164.9	Pump 108 bbls Of 15.8 ppg Tail		
02/12/2015	10:45:15	184	3.5	15.65	164.9	Good Returns		
02/12/2015	10:45:20	157	3.5	15.68	165.2			
02/12/2015	10:47:00	316	4.9	15.86	172.9			
02/12/2015	10:48:40	349	4.8	15.86	181.0			
02/12/2015	10:50:20	305	4.9	15.89	189.1			
02/12/2015	10:52:00	342	4.9	15.83	197.2			
02/12/2015	10:53:40	529	6.3	15.84	205.7			
02/12/2015	10:55:20	496	6.3	15.85	216.2			
02/12/2015	10:57:00	500	6.3	15.84	226.8			
02/12/2015	10:58:40	504	6.3	15.92	237.4			
02/12/2015	11:00:20	549	6.4	15.92	247.9			
02/12/2015	11:02:00	530	6.3	15.99	258.5			
02/12/2015	11:03:40	495	6.4	15.96	269.1			
02/12/2015	11:04:19	489	6.4	15.70	273.3	End Tail Slurry		
02/12/2015	11:04:23	142	5.0	15.73	273.7	Drop Top Plug		
02/12/2015	11:04:24	47	5.0	15.73	273.8	Start Displacement		
02/12/2015	11:05:20	-8	0.0	15.63	274.1			
02/12/2015	11:07:00	-6	0.0	15.64	274.1			
02/12/2015	11:08:40	-7	0.0	10.41	274.1			

Well			Field	Job Start		Customer	Job Number	
Wagg North 4 4			Wattenberg		Feb/12/2015		Extraction Oil & Gas	2085338
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/12/2015	11:12:00	54	3.7	9.32	282.4			
02/12/2015	11:13:40	56	3.9	9.26	288.7			
02/12/2015	11:15:20	47	4.3	8.86	295.2			
02/12/2015	11:17:00	214	6.4	10.26	303.1			
02/12/2015	11:18:40	206	6.5	10.41	313.9			
02/12/2015	11:20:20	213	6.5	10.53	324.7			
02/12/2015	11:22:00	215	6.5	10.53	335.5			
02/12/2015	11:23:40	219	6.4	10.53	346.3			
02/12/2015	11:25:20	221	6.5	10.53	357.0			
02/12/2015	11:27:00	214	6.4	10.51	367.8			
02/12/2015	11:28:40	238	6.5	10.50	378.6			
02/12/2015	11:30:20	221	6.5	10.49	389.4			
02/12/2015	11:32:00	228	6.5	10.47	400.1			
02/12/2015	11:33:40	246	6.5	10.45	410.9			
02/12/2015	11:35:20	568	6.4	10.43	421.6			
02/12/2015	11:37:00	728	6.4	10.42	432.3			
02/12/2015	11:38:40	870	6.4	10.41	442.9			
02/12/2015	11:40:20	1061	6.4	10.40	453.5			
02/12/2015	11:42:00	1074	5.4	10.39	464.2			
02/12/2015	11:43:40	1079	4.9	10.39	472.5			
02/12/2015	11:45:20	861	3.4	10.36	479.6			
02/12/2015	11:47:00	1069	3.4	10.35	485.3			
02/12/2015	11:48:40	1148	3.4	10.35	491.0			
02/12/2015	11:50:20	1124	3.4	10.31	496.7			
02/12/2015	11:52:00	1334	3.4	10.31	502.4			
02/12/2015	11:53:40	1413	3.4	10.30	508.1			
02/12/2015	11:55:20	1412	3.4	10.30	513.8			
02/12/2015	11:57:00	1628	3.4	10.29	519.5			
02/12/2015	11:58:40	1629	3.4	10.29	525.2			
02/12/2015	12:00:20	1739	3.4	10.27	530.9			
02/12/2015	12:02:00	1835	3.4	10.27	536.6			
02/12/2015	12:03:40	1974	3.4	10.24	542.3			
02/12/2015	12:05:20	2004	3.4	10.24	547.9			
02/12/2015	12:07:00	2088	3.4	10.24	553.6			
02/12/2015	12:08:40	2153	3.4	10.23	559.3			
02/12/2015	12:10:00	2194	3.4	10.23	563.8	Pump 396 bbls Of Mud		
02/12/2015	12:10:20	2199	3.4	10.23	564.9			
02/12/2015	12:12:00	2149	2.0	8.64	569.9			
02/12/2015	12:13:40	2212	2.0	8.51	573.2			
02/12/2015	12:15:20	2282	2.0	8.50	576.6			
02/12/2015	12:17:00	2840	0.0	8.49	579.1			
02/12/2015	12:18:40	2868	0.0	8.49	579.1			
02/12/2015	12:20:20	1	0.0	8.49	579.1			
02/12/2015	12:22:00	2	0.0	8.49	579.1			
02/12/2015	12:23:40	2	0.0	8.49	579.1			
02/12/2015	12:25:20	1	0.0	8.49	579.1			
02/12/2015	12:27:00	-3	0.0	8.49	579.1			

<b>Well</b> Wagg North 4 4	<b>Field</b> Wattenberg	<b>Job Start</b> Feb/12/2015	<b>Customer</b> Extraction Oil & Gas	<b>Job Number</b> 2085338
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry	N2	Mud	Maximum Rate 0.0		Total Slurry 245.0	Mud 0.0	Spacer 20.0	N2			
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 4500	Final 2228	Average	Bump Plug to 2853	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 296.0 bbl		Mix Water Temp 60 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 33.0 bbl	
								Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Codey Schaffer				Schlumberger Supervisor Justin Zika/Leiker				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
								-		-	