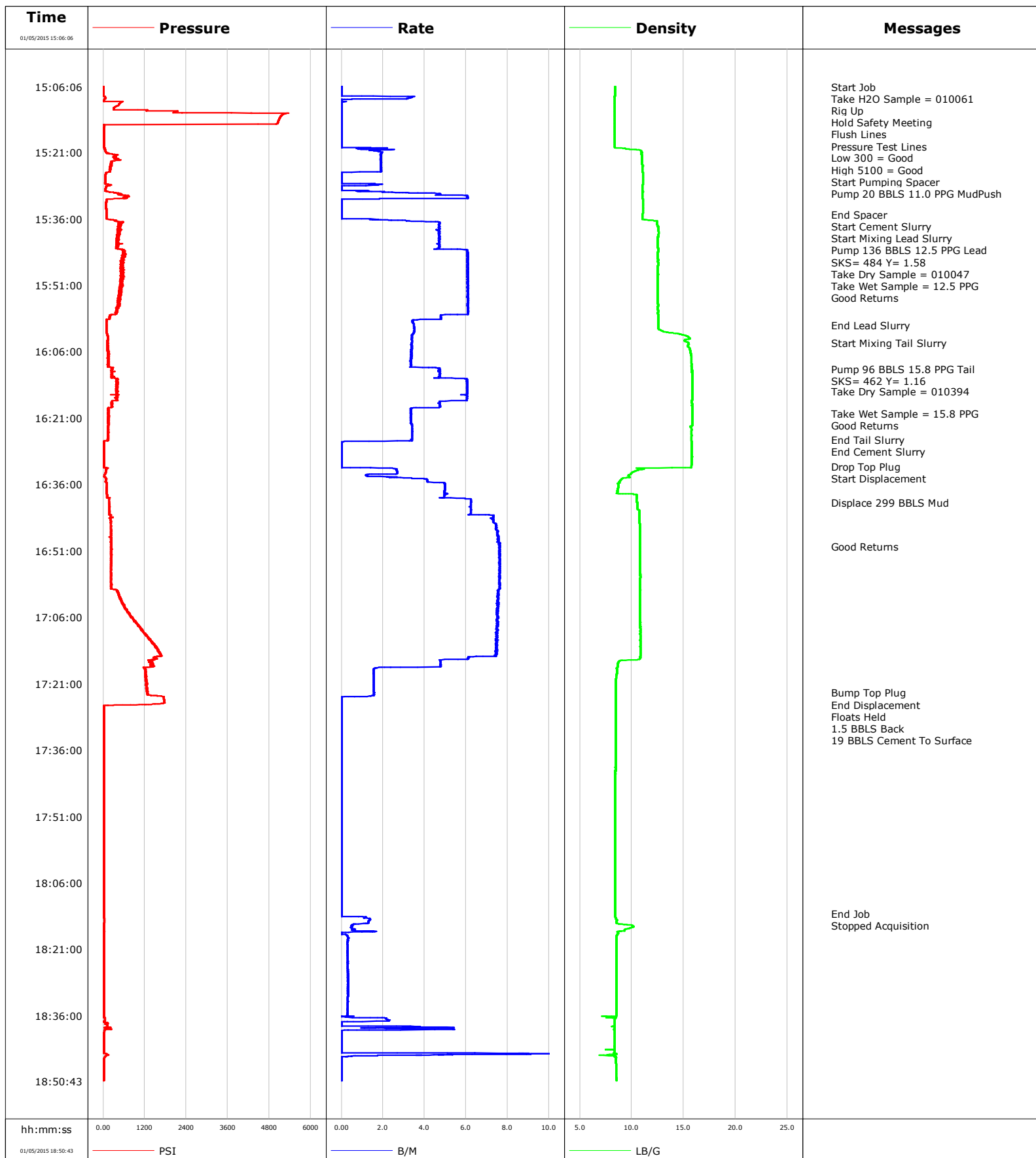


**Well** Waag North 1  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Lyle Hartsfield  
**Country** United States

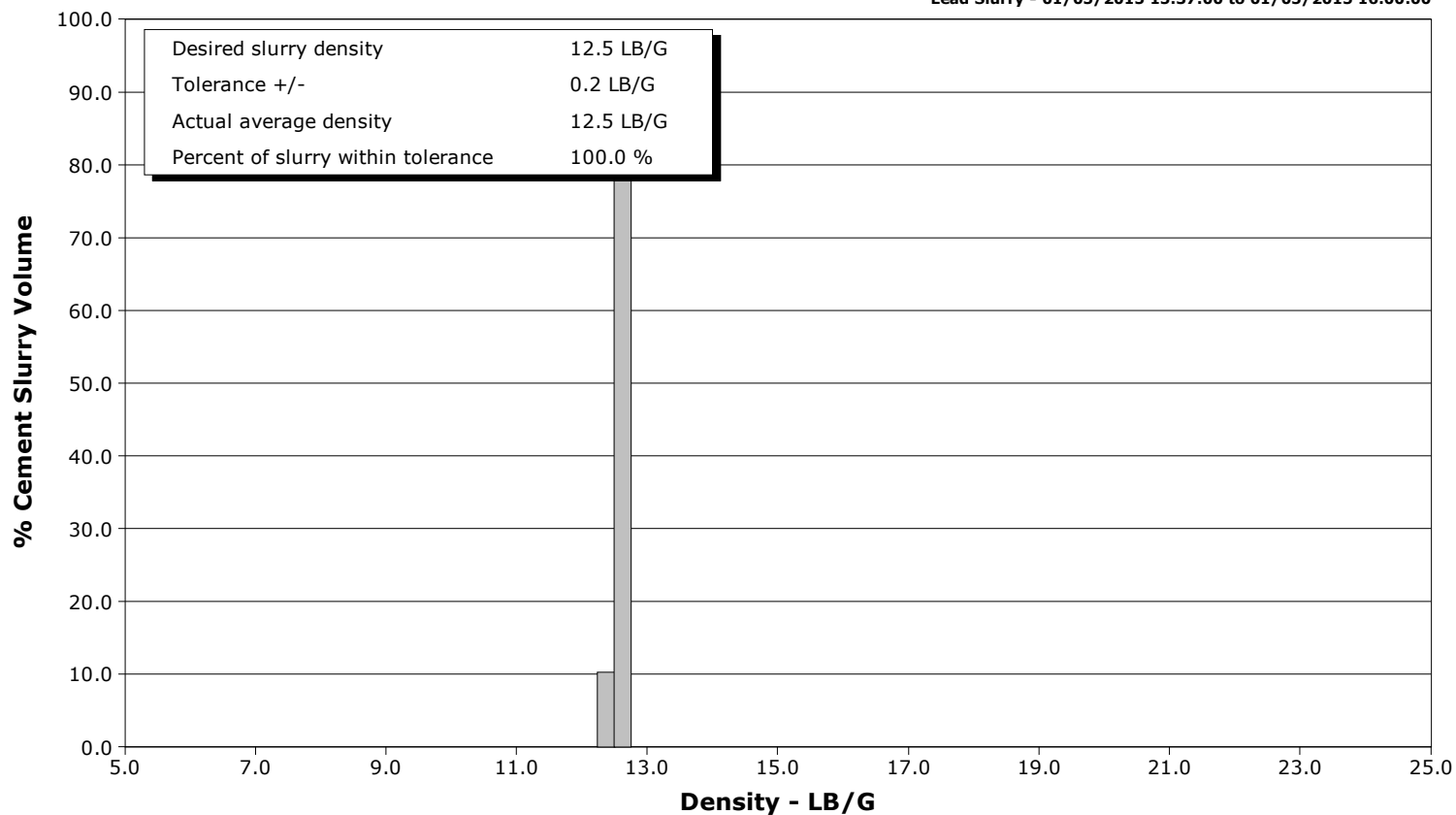
**Client** Extraction Oil  
**SIR No.** 2077809  
**Job Type** 7" Intermediate  
**Job Date** 01-05-2015



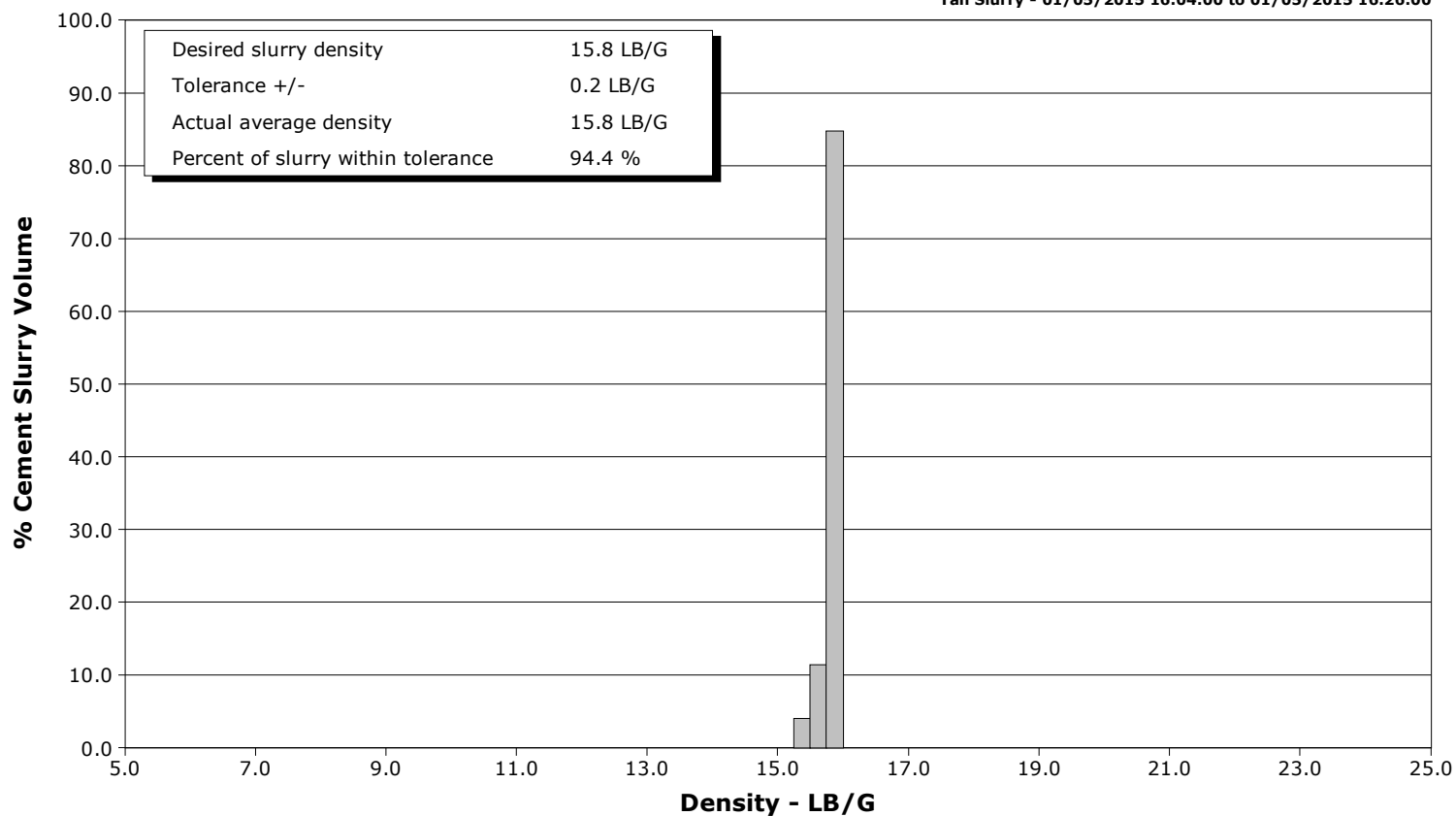
**Well** Waag North 1  
**Field** Wattenberg  
**Engineer** Conley Jensen/ Lyle Hartsfield  
**Country** United States

**Client** Extraction Oil  
**SIR No.** 2077809  
**Job Type** 7" Intermediate  
**Job Date** 01-05-2015

**Lead Slurry - 01/05/2015 15:37:00 to 01/05/2015 16:00:00**



**Tail Slurry - 01/05/2015 16:04:00 to 01/05/2015 16:26:00**



# Cementing Service Report

				Customer Extraction Oil			Job Number 2077809	
Well Waag North 1 1			Location (legal) CWY		Schlumberger Location CWY		Job Start Jan/05/2015	
Field Wattenberg		Formation Name/Type Shale		Deviation deg	Bit Size 8.8 in	Well MD 7763.0 ft		Well TVD 7337.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 212 degF	BHCT 177 degF		Pore Press. Gradient lb/gal
Well Master 0631593025		API/UWI 05-123-40342						
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	850.0	9.6	36.0	K55	8RD
	7867.0	7.0	26.0	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 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			
Service Instructions Rig Up Hold Safety Meeting Flush Lines Pressure Test Lines Pump 20 BBLS 11.0 PPG MudPush Pump 136 BBLS 12.5 PPG Lead Pump 96 BBLS 15.8 PPG Tail Drop Top Plug Displace 299 BBLS Mud	ft	ft						
	ft	ft			Diameter in			
	ft	ft						
Treat Down Casing		Displacement 299.0 bbl		Packer Type		Packer Depth ft		
Tubing Vol. bbl		Casing Vol. 301.5 bbl		Annular Vol. 213.0 bbl		Openhole Vol. 517.0 bbl		
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure 5315 psi		Shoe Type Guide		Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 7867.0 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/05/2015 07:30		Arrived on Location Jan/05/2015 08:00		Leave Location Jan/05/2015 20:00		Collar Type Float		Tail Pipe Depth ft
						Collar Depth 7823.0 ft		Sqz. Total Vol. bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/05/2015	15:06:06	9	0.0	8.39	0.0	Started Acquisition		
01/05/2015	15:06:10	9	0.0	8.39	0.0	Start Job		
01/05/2015	15:07:00	9	0.0	8.39	0.0	Take H2O Sample = 010061		
01/05/2015	15:07:36	9	0.0	8.39	0.0			
01/05/2015	15:08:00	9	0.0	8.39	0.0	Rig Up		
01/05/2015	15:09:00	34	0.5	8.36	2.1	Hold Safety Meeting		
01/05/2015	15:09:06	35	0.0	8.36	2.1			
01/05/2015	15:10:00	474	0.0	8.36	2.1	Low 300 = Good		
01/05/2015	15:10:36	387	0.0	8.36	2.1			
01/05/2015	15:11:00	308	0.0	8.36	2.1	High 5100 = Good		
01/05/2015	15:12:06	2416	0.0	8.36	2.1			
01/05/2015	15:13:36	5081	0.0	8.36	2.1			
01/05/2015	15:15:06	29	0.0	8.36	2.1			
01/05/2015	15:16:36	25	0.0	8.36	2.1			
01/05/2015	15:18:06	25	0.0	8.36	2.1			
01/05/2015	15:19:00	25	0.0	8.36	2.1	Start Pumping Spacer		
01/05/2015	15:19:36	24	0.0	8.36	2.1			
01/05/2015	15:21:00	81	2.0	10.96	3.8	Pump 20 BBLS 11.0 PPG MudPush		
01/05/2015	15:21:06	95	1.9	10.96	4.0			
01/05/2015	15:22:36	443	1.9	10.98	6.8			
01/05/2015	15:24:06	243	1.9	11.06	9.7			

Well			Field		Job Start		Customer		Job Number	
Waag North 1 1			Wattenberg		Jan/05/2015		Extraction Oil		2077809	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
01/05/2015	15:27:06	60		0.0	11.06		12.3			
01/05/2015	15:28:36	118		0.0	11.04		12.9			
01/05/2015	15:30:06	326		3.0	11.03		13.5			
01/05/2015	15:31:36	128		0.1	11.08		21.1			
01/05/2015	15:33:06	85		0.0	11.06		0.0			
01/05/2015	15:34:36	87		0.0	11.05		0.0			
01/05/2015	15:35:00	87		0.0	11.05		0.0		End Spacer	
01/05/2015	15:36:06	151		1.7	11.04		0.0			
01/05/2015	15:37:00	439		4.7	12.42		3.0		Start Cement Slurry	
01/05/2015	15:37:36	465		4.7	12.50		5.8			
01/05/2015	15:39:06	446		4.7	12.61		12.9			
01/05/2015	15:40:00	467		4.7	12.53		17.1		Pump 136 BBLS 12.5 PPG Lead	
01/05/2015	15:40:36	401		4.7	12.52		19.9			
01/05/2015	15:42:06	397		4.7	12.50		26.9			
01/05/2015	15:43:00	590		6.0	12.54		31.4		Take Dry Sample = 010047	
01/05/2015	15:43:36	615		6.1	12.52		35.0			
01/05/2015	15:45:00	598		6.1	12.52		43.5		Take Wet Sample = 12.5 PPG	
01/05/2015	15:45:06	546		6.1	12.52		44.1			
01/05/2015	15:46:36	518		6.1	12.52		53.2			
01/05/2015	15:48:06	517		6.1	12.52		62.3			
01/05/2015	15:49:36	504		6.1	12.50		71.5			
01/05/2015	15:50:00	521		6.1	12.51		73.9		Good Returns	
01/05/2015	15:51:06	548		6.1	12.50		80.6			
01/05/2015	15:52:36	464		6.1	12.52		89.7			
01/05/2015	15:54:06	491		6.1	12.52		98.8			
01/05/2015	15:55:36	430		6.1	12.53		108.0			
01/05/2015	15:57:06	368		6.1	12.53		117.1			
01/05/2015	15:58:36	190		4.8	12.57		125.0			
01/05/2015	16:00:00	92		3.5	12.56		130.1		End Lead Slurry	
01/05/2015	16:00:06	93		3.5	12.56		130.5			
01/05/2015	16:01:36	99		3.5	13.29		135.8			
01/05/2015	16:03:06	150		3.4	15.59		2.7			
01/05/2015	16:04:00	136		3.4	15.47		5.8		Start Mixing Tail Slurry	
01/05/2015	16:04:36	122		3.4	15.41		7.8			
01/05/2015	16:06:06	167		3.4	15.64		12.8			
01/05/2015	16:07:36	142		3.4	15.75		17.9			
01/05/2015	16:09:06	160		3.3	15.77		22.9			
01/05/2015	16:10:00	242		4.7	15.80		26.5		Pump 96 BBLS 15.8 PPG Tail	
01/05/2015	16:10:36	246		4.7	15.81		29.3			
01/05/2015	16:12:00	333		5.0	15.83		35.9		SKS= 462 Y= 1.16	
01/05/2015	16:12:06	431		5.8	15.84		36.4			
01/05/2015	16:13:36	395		6.1	15.84		45.5			
01/05/2015	16:15:00	438		6.1	15.83		54.0		Take Dry Sample = 010394	
01/05/2015	16:15:06	420		6.1	15.83		54.6			
01/05/2015	16:16:36	383		6.0	15.83		63.6			
01/05/2015	16:18:06	266		4.7	15.81		71.5			
01/05/2015	16:19:36	166		3.3	15.84		77.3			
01/05/2015	16:20:00	141		3.3	15.84		78.7		Take Wet Sample = 15.8 PPG	
01/05/2015	16:21:06	133		3.3	15.84		82.3			
01/05/2015	16:22:00	171		3.4	15.83		85.4		Good Returns	
01/05/2015	16:22:36	166		3.4	15.83		87.4			
01/05/2015	16:24:06	153		3.4	15.76		92.5			
01/05/2015	16:25:36	150		3.4	15.76		97.6			
01/05/2015	16:26:00	153		3.4	15.76		98.9		End Tail Slurry	

Well			Field		Job Start		Customer		Job Number	
Waag North 1 1			Wattenberg		Jan/05/2015		Extraction Oil		2077809	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
01/05/2015	16:28:36	17	0.0	15.77	99.8					
01/05/2015	16:30:06	18	0.0	15.80	99.8					
01/05/2015	16:31:36	18	0.0	15.77	0.0					
01/05/2015	16:32:00	17	0.0	15.76	0.0	Drop Top Plug				
01/05/2015	16:33:06	78	2.7	10.23	2.2					
01/05/2015	16:34:36	77	3.3	9.18	5.3					
01/05/2015	16:36:06	106	5.0	8.70	11.8					
01/05/2015	16:37:36	103	5.0	8.64	19.3					
01/05/2015	16:39:06	161	5.3	10.47	26.7					
01/05/2015	16:40:00	171	6.2	10.45	32.3	Displace 299 BBLS Mud				
01/05/2015	16:40:36	171	6.2	10.56	36.0					
01/05/2015	16:42:06	171	6.2	10.72	45.4					
01/05/2015	16:43:36	210	7.3	10.75	55.5					
01/05/2015	16:45:06	225	7.5	10.77	66.5					
01/05/2015	16:46:36	237	7.5	10.78	77.7					
01/05/2015	16:48:06	222	7.6	10.79	88.9					
01/05/2015	16:49:36	241	7.6	10.79	100.3					
01/05/2015	16:50:00	227	7.6	10.79	103.3	Good Returns				
01/05/2015	16:51:06	226	7.6	10.80	111.7					
01/05/2015	16:52:36	224	7.6	10.80	123.1					
01/05/2015	16:54:06	216	7.6	10.80	134.6					
01/05/2015	16:55:36	221	7.6	10.80	146.0					
01/05/2015	16:57:06	230	7.6	10.81	157.4					
01/05/2015	16:58:36	225	7.6	10.81	168.8					
01/05/2015	17:00:06	417	7.6	10.81	180.2					
01/05/2015	17:01:36	500	7.5	10.81	191.5					
01/05/2015	17:03:06	583	7.5	10.81	202.8					
01/05/2015	17:04:36	693	7.5	10.81	214.1					
01/05/2015	17:06:06	805	7.5	10.81	225.4					
01/05/2015	17:07:36	996	7.5	10.81	236.7					
01/05/2015	17:09:06	1135	7.5	10.81	247.9					
01/05/2015	17:10:36	1288	7.5	10.81	259.1					
01/05/2015	17:12:06	1475	7.4	10.81	270.3					
01/05/2015	17:13:36	1597	7.5	10.81	281.5					
01/05/2015	17:15:06	1466	6.2	10.81	292.5					
01/05/2015	17:16:36	1466	4.8	8.66	300.2					
01/05/2015	17:18:06	1221	1.6	8.59	304.9					
01/05/2015	17:19:36	1224	1.6	8.48	307.2					
01/05/2015	17:21:06	1272	1.6	8.47	309.5					
01/05/2015	17:22:36	1293	1.6	8.46	311.9					
01/05/2015	17:23:00	1284	1.6	8.46	312.5	Bump Top Plug				
01/05/2015	17:24:06	1748	0.0	8.45	313.9					
01/05/2015	17:25:00	1766	0.0	8.45	313.9	Floats Held				
01/05/2015	17:25:36	1542	0.0	8.45	313.9					
01/05/2015	17:27:06	20	0.0	8.44	313.9					
01/05/2015	17:28:36	20	0.0	8.44	313.9					
01/05/2015	17:30:00	19	0.0	8.44	313.9	19 BBLS Cement To Surface				
01/05/2015	17:30:06	20	0.0	8.44	313.9					
01/05/2015	17:31:36	19	0.0	8.43	313.9					
01/05/2015	17:33:06	19	0.0	8.43	313.9					
01/05/2015	17:34:36	19	0.0	8.43	313.9					
01/05/2015	17:36:06	20	0.0	8.43	313.9					
01/05/2015	17:37:36	20	0.0	8.43	313.9					
01/05/2015	17:39:06	20	0.0	8.43	313.9					

Well			Field		Job Start	Customer	Job Number
Waag North 1 1			Wattenberg		Jan/05/2015	Extraction Oil	2077809
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/05/2015	17:42:06	20	0.0	8.43	313.9		
01/05/2015	17:43:36	20	0.0	8.43	313.9		
01/05/2015	17:45:06	21	0.0	8.43	313.9		
01/05/2015	17:46:36	20	0.0	8.43	313.9		
01/05/2015	17:48:06	20	0.0	8.43	313.9		
01/05/2015	17:49:36	20	0.0	8.43	313.9		
01/05/2015	17:51:06	20	0.0	8.43	313.9		
01/05/2015	17:52:36	20	0.0	8.43	313.9		
01/05/2015	17:54:06	20	0.0	8.43	313.9		
01/05/2015	17:55:36	20	0.0	8.43	313.9		
01/05/2015	17:57:06	20	0.0	8.43	313.9		
01/05/2015	17:58:36	20	0.0	8.43	313.9		
01/05/2015	18:00:06	20	0.0	8.43	313.9		
01/05/2015	18:01:36	20	0.0	8.43	313.9		
01/05/2015	18:03:06	20	0.0	8.43	313.9		
01/05/2015	18:04:36	21	0.0	8.43	313.9		
01/05/2015	18:06:06	20	0.0	8.43	313.9		
01/05/2015	18:07:36	20	0.0	8.43	313.9		
01/05/2015	18:09:06	21	0.0	8.43	313.9		
01/05/2015	18:10:36	21	0.0	8.43	313.9		
01/05/2015	18:12:06	21	0.0	8.43	313.9		
01/05/2015	18:13:00	20	0.0	8.43	313.9	End Job	
01/05/2015	18:13:36	20	0.0	8.42	313.9		
01/05/2015	18:15:06	29	1.3	8.55	315.8		
01/05/2015	18:16:36	20	0.6	9.31	316.7		
01/05/2015	18:18:06	20	0.3	8.55	317.4		
01/05/2015	18:19:36	20	0.3	8.56	317.8		
01/05/2015	18:21:06	20	0.3	8.56	318.3		
01/05/2015	18:22:36	20	0.3	8.55	318.7		
01/05/2015	18:24:06	20	0.3	8.55	319.2		
01/05/2015	18:25:36	20	0.3	8.55	319.6		
01/05/2015	18:27:06	20	0.3	8.55	320.1		
01/05/2015	18:28:36	20	0.3	8.55	320.5		
01/05/2015	18:30:06	19	0.3	8.55	321.0		
01/05/2015	18:31:36	20	0.3	8.55	321.5		
01/05/2015	18:33:06	19	0.3	8.55	321.9		
01/05/2015	18:34:36	20	0.3	8.55	322.4		
01/05/2015	18:36:06	20	0.2	7.44	322.8		
01/05/2015	18:37:36	121	0.0	8.35	324.8		
01/05/2015	18:39:06	236	5.4	8.34	327.3		
01/05/2015	18:40:36	23	0.0	8.35	328.0		
01/05/2015	18:42:06	21	0.0	8.34	328.0		
01/05/2015	18:43:36	21	0.0	8.33	328.0		
01/05/2015	18:45:06	72	0.6	8.37	332.2		
01/05/2015	18:48:06	20	0.0	8.50	332.2		

<b>Well</b> Waag North 1 1	<b>Field</b> Wattenberg	<b>Job Start</b> Jan/05/2015	<b>Customer</b> Extraction Oil	<b>Job Number</b> 2077809
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 4.3	N2		Mud	Maximum Rate 10.9	Total Slurry 232.0	Mud 0.0		Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 5347	Final 19	Average 321	Bump Plug to 1750	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 232.0 bbl		Displacement 299.0 bbl		Mix Water Temp 65 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 19.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Jose Torres				Schlumberger Supervisor Conley Jensen/ Lyle Hartsfield				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-



# Service Quality Evaluation

Client:	Extraction Oil
Field:	Wattenberg
Rig:	Xtreme 7
Well:	Waag North 1
Service Line:	Cementing
Job Type:	7" Intermediate

Service Order #:	
Date:	Jan/05/2015
Operating Time (hh:mm):	00:00
Client Rep:	Jose Torres
Schlumberger Engineer:	Conley Jensen/ Lyle Hartsfield
Schlumberger FSM:	

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested succesfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested succesfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped as per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total 0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: