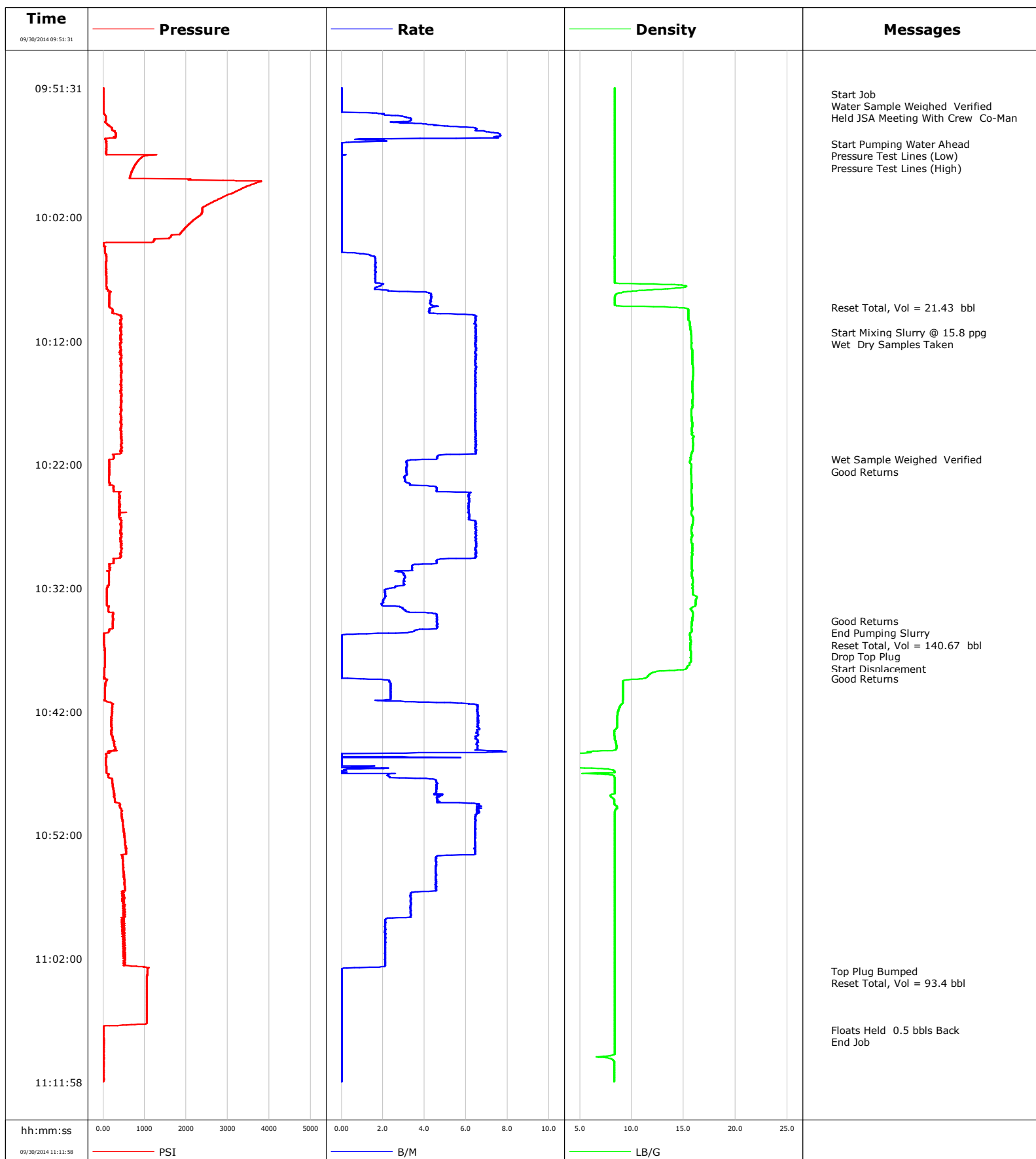


Well Rancho Water Valley #8
Field Wattenburg
Engineer Jason Holt
Country United States

Client Extraction Oil Gas, LLC
SIR No. D4LF-00002
Job Type 9 5/8" Surface
Job Date 09-30-2014



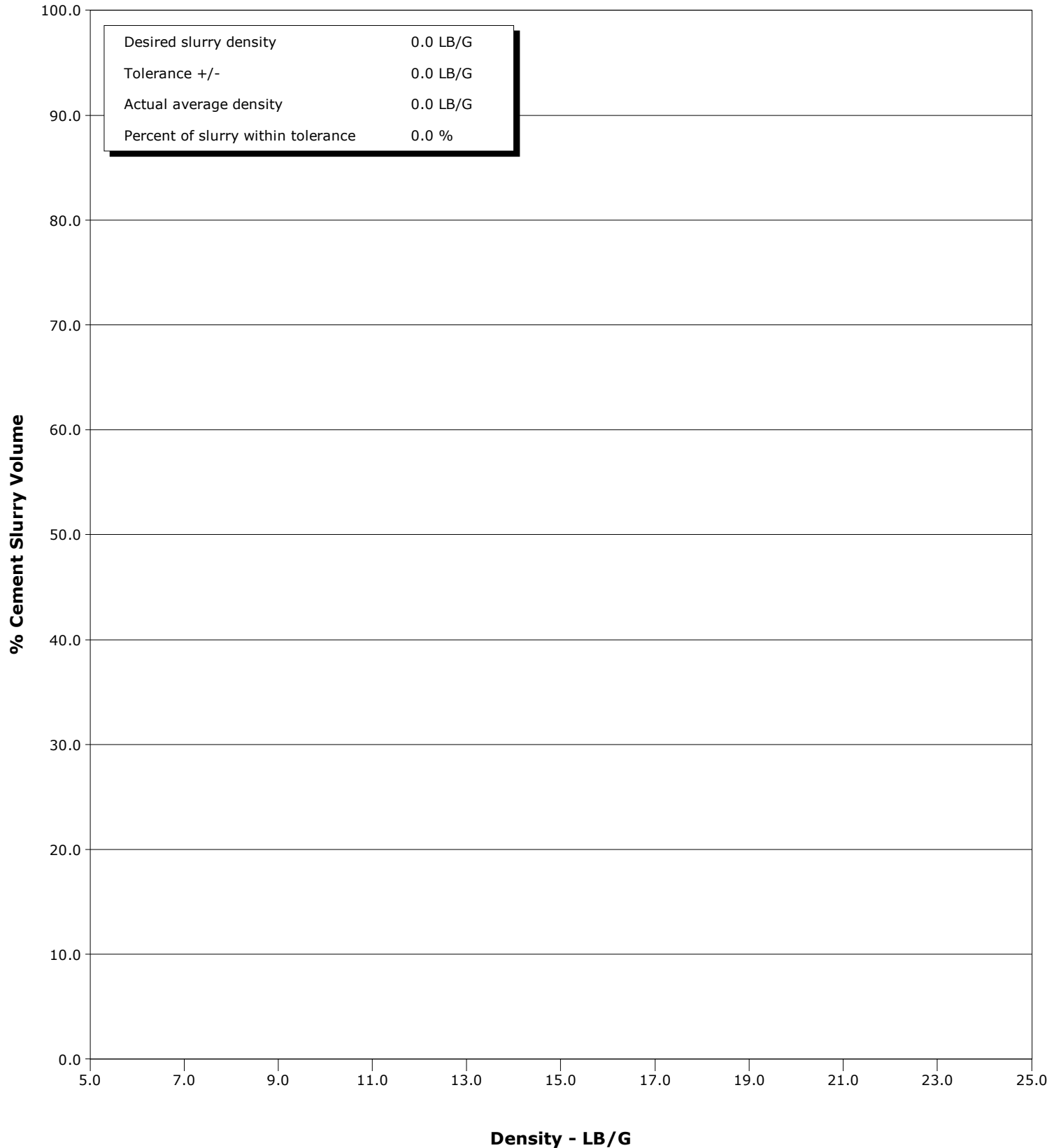


Cementing Qa/Qc Density Report

Well Rancho Water Valley #8
Field Wattenburg
Engineer Jason Holt
Country United States

Client Extraction Oil Gas, LLC
SIR No. D4LF-00002
Job Type 9 5/8" Surface
Job Date 09-30-2014

- 04/05/1974 04:29:52 to 04/05/1974 04:33:36



Cementing Service Report

				Customer Extraction Oil & Gas, LLC			Job Number D4LF-00002	
Well Rancho Water Valley #8 8			Location (legal) Sec 4 - T5N - R67W			Schlumberger Location Cheyenne, WY		Job Start Sep/30/2014
Field Wattenburg		Formation Name/Type Shale		Deviation deg	Bit Size 13.5 in		Well MD 1254.0 ft	Well TVD 1254.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 96 degF	BHCT 81 degF	Pore Press. Gradient lb/gal	
Well Master 0631583291		API/UWI 05-123-36432						
Rig Name H&P 319	Drilled For Oil		Service Via Land	Casing/Liner				
	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread			
Offshore Zone	Well Class New		Well Type Other	1254.0	9.6	36.0	H-40	STC
	0.0	0.0	0.0					
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 9 5/8" Surface							
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi		WH Connection 9 5/8"	Perforations/Open Hole				
	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft			
Service Instructions Set 9 5/8" surface casing at 1,220 feet using 15.8 ppg Class G cement plus additives.	ft	ft						
	ft	ft			Diameter in			
	ft	ft						
	Treat Down Casing	Displacement 93.5 bbl	Packer Type	Packer Depth ft				
	Tubing Vol. bbl	Casing Vol. 96.9 bbl	Annular Vol. 109.2 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 620 psi			Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1254.0 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 Sep/30/2014		Arrived on Location Sep/30/2014		Leave Location Sep/30/2014		Collar Type Float		Tail Pipe Depth ft
				Collar Depth 1205.8 ft		Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/30/2014	09:51:31	3	0.0	8.34	0.0	Started Acquisition		
09/30/2014	09:52:01	2	0.0	8.34	0.0	Start Job		
09/30/2014	09:52:09	2	0.0	8.34	0.0	Water Sample Weighed Verified		
09/30/2014	09:53:05	2	0.0	8.34	0.0	Held JSA Meeting With Crew Co-Man		
09/30/2014	09:56:03	73	0.0	8.34	10.8	Start Pumping Water Ahead		
09/30/2014	09:56:26	72	0.0	8.34	10.8	Pressure Test Lines (Low)		
09/30/2014	09:56:28	71	0.0	8.34	10.8	Pressure Test Lines (High)		
09/30/2014	09:56:31	72	0.0	8.34	10.8			
09/30/2014	10:01:31	2384	0.0	8.34	10.8			
09/30/2014	10:06:31	75	1.6	8.34	13.3			
09/30/2014	10:09:17	152	4.4	13.76	21.4	Reset Total, Vol = 21.43 bbl		
09/30/2014	10:11:19	429	6.5	15.69	11.8	Start Mixing Slurry @ 15.8 ppg		
09/30/2014	10:11:20	420	6.5	15.69	11.9	Wet Dry Samples Taken		
09/30/2014	10:11:31	445	6.5	15.71	13.1			
09/30/2014	10:16:31	447	6.5	15.87	45.4			
09/30/2014	10:21:31	256	4.6	15.68	77.1			
09/30/2014	10:21:36	154	4.2	15.67	77.5	Wet Sample Weighed Verified		
09/30/2014	10:22:02	145	3.1	15.75	78.9	Good Returns		
09/30/2014	10:26:31	435	6.3	15.92	100.5			
09/30/2014	10:31:31	136	3.0	15.87	127.2			
09/30/2014	10:34:40	235	4.6	15.82	136.3	Good Returns		

Well			Field		Job Start	Customer	Job Number
Rancho Water Valley #8 8			Wattenburg		Sep/30/2014	Extraction Oil & Gas, LLC	D4LF-00002
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/30/2014	10:35:49	21	0.0	15.60	140.7	Reset Total, Vol = 140.67 bbl	
09/30/2014	10:35:55	21	0.0	15.63	0.0	Drop Top Plug	
09/30/2014	10:36:31	23	0.0	15.66	0.0		
09/30/2014	10:39:20	47	0.3	11.24	0.0	Good Returns	
09/30/2014	10:41:31	216	6.6	8.91	5.9		
09/30/2014	10:46:31	77	0.5	2.86	31.8		
09/30/2014	10:51:31	496	6.5	8.34	55.8		
09/30/2014	10:56:31	538	4.6	8.34	82.5		
09/30/2014	11:01:31	536	2.1	8.34	95.8		
09/30/2014	11:03:00	1069	0.0	8.34	98.3	Top Plug Bumped	
09/30/2014	11:06:31	1055	0.0	8.34	98.3		
09/30/2014	11:07:44	10	0.0	8.34	98.3	Floats Held 0.5 bbls Back	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry	N2	Mud	Maximum Rate		Total Slurry 140.3	Mud	Spacer 21.4	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum	Final 0	Average	Bump Plug to 1069	Breakdown	Type FreshWater	Volume 93.5 bbl	Density 8.34 lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 140.0 bbl	Displacement 93.6 bbl	Mix Water Temp 62 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			Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
Josh Hays			Jason Holt			-	-					