

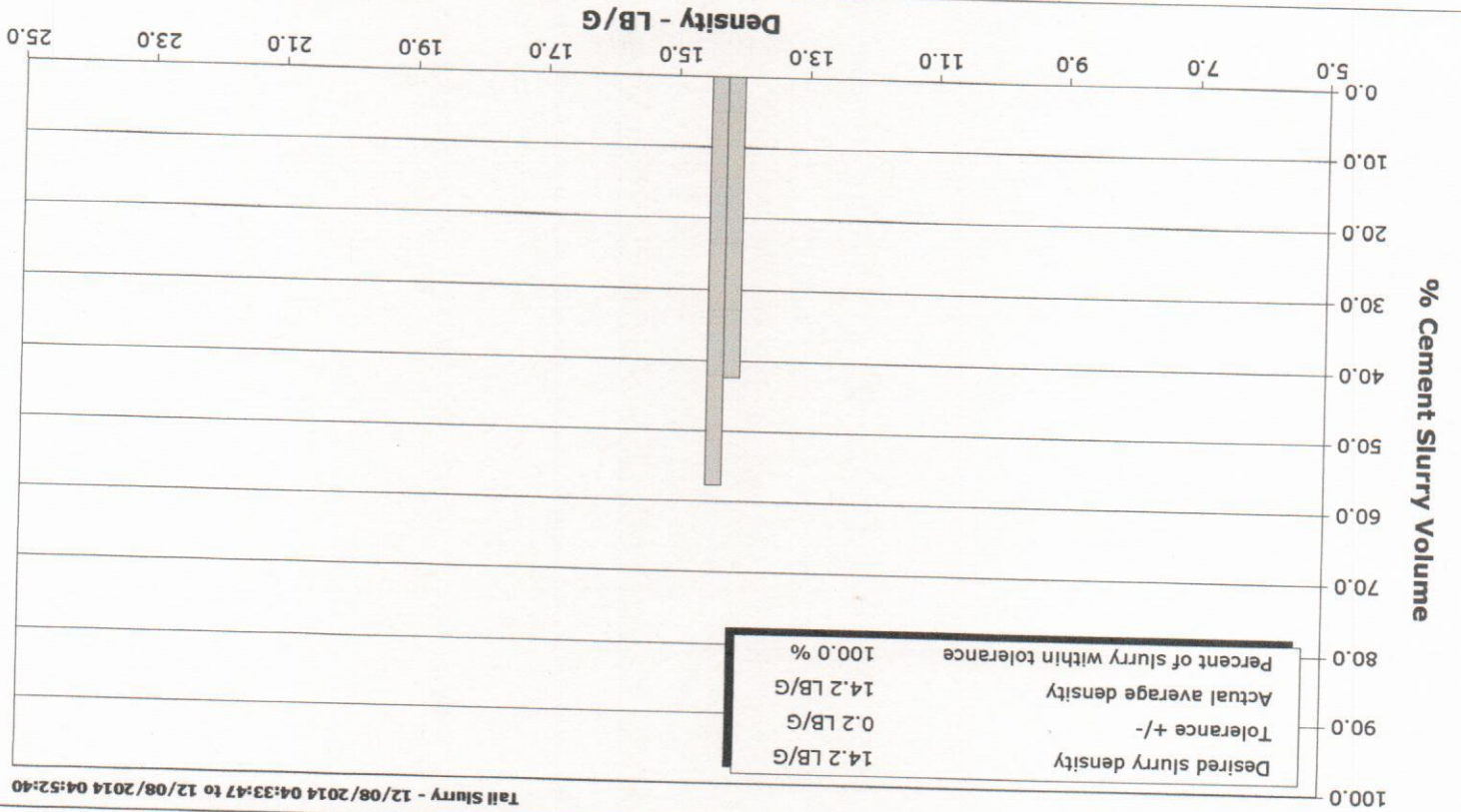
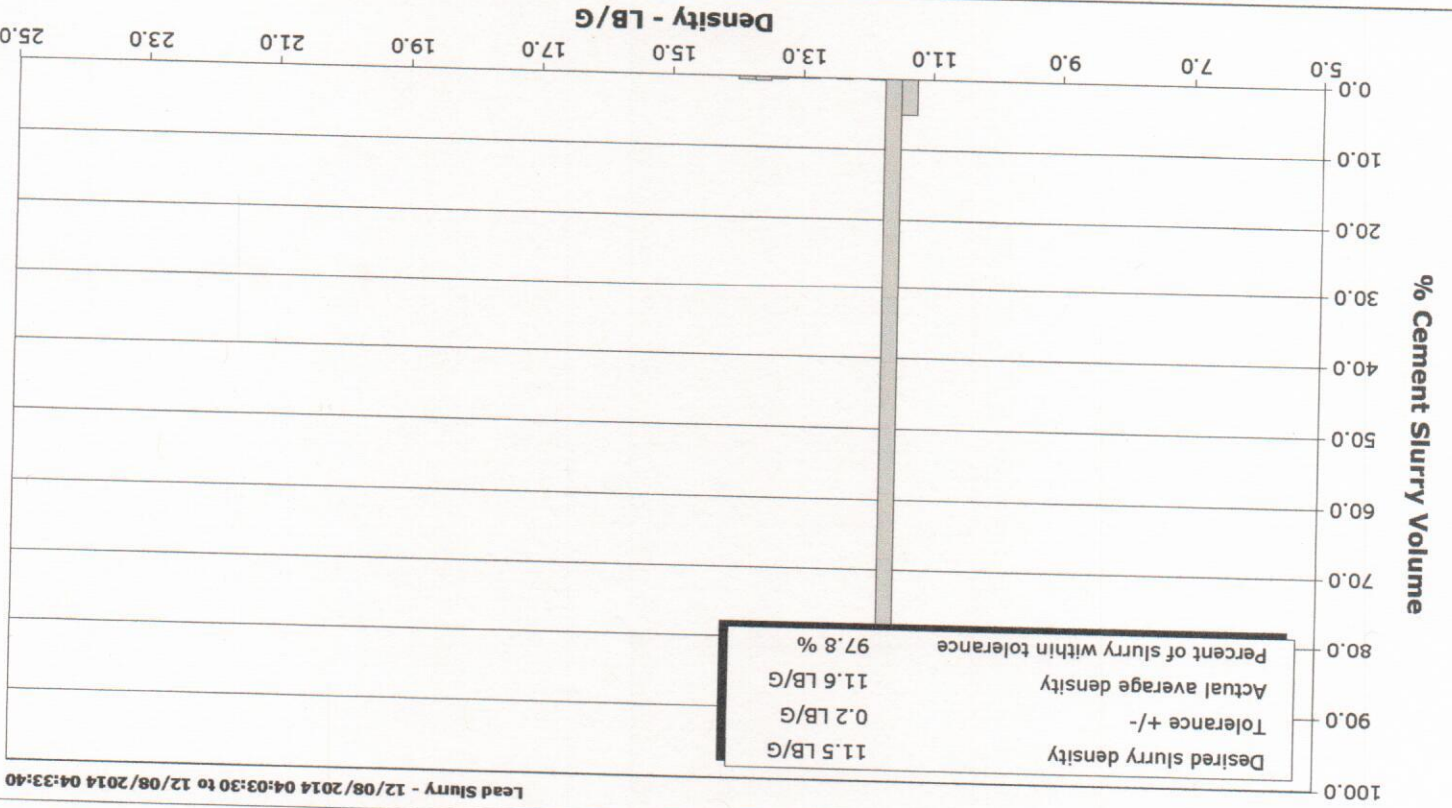
Cementing Service Report

				Customer Whiting Oil & Gas Corporation				Job Number D40W-00353					
Well Razor 33N-2805 0631548272			Location (legal) X18 Sec 33 T10N R68W			Schlumberger Location Cheyenne, WY			Job Start Dec/08/2014				
Field Wildcat		Formation Name/Type Dirty Sandstone		Deviation deg		Bit Size 13.5 in		Well MD 1500.0 ft		Well TVD 1499.4 ft			
County Weld		State/Province Colorado		BHP psi		BHST 108 degF		BHCT 84 degF		Pore Press. Gradient lb/gal			
Well Master 0631548272		API/UWI 005123392600000											
Rig Name Xtreme 18		Drilled For Oil		Service Via Land		Casing/Liner							
Offshore Zone		Well Class New		Well Type Other		Depth, ft		Size, in		Weight, lb/ft			
						1528.0		9.6		36.0			
						0.0		0.0		0.0			
Drilling Fluid Type Bentonite		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe							
Service Line Cementing		Job Type 9 5/8" Surface				T/D		Depth, ft		Size, in			
										Weight, lb/ft			
										Grade			
										Thread			
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 9 5/8"		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft			
						ft		ft		No. of Shots			
						ft		ft		Total Interval ft			
						ft		ft		Diameter in			
						Treat Down Casing		Displacement 114.7 bbl		Packer Type			
										Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 118.1 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 756 psi				Shoe Type Float				Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1528.0 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 Dec/08/2014		Arrived on Location Dec/08/2014		Leave Location Dec/08/2014		Collar Type Float				Tail Pipe Depth ft			
						Collar Depth 1483.7 ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_DENSITY LB/G	CPF1_TTL_RATE B/M	CPF1_TTL_VOLUME BBL	Message							
12/08/2014	03:43:05	-2	8.36	0.0	0.0	Started Acquisition							
12/08/2014	03:48:05	45	8.36	2.3	0.8								
12/08/2014	03:52:00	563	8.36	0.0	10.2	Start Pressure: Low/High							
12/08/2014	03:53:05	559	8.36	0.0	10.2								
12/08/2014	03:58:05	3859	8.36	0.0	10.2								
12/08/2014	04:02:38	43	8.37	1.7	10.3	Reset Total, Vol = 10.30 bbl							
12/08/2014	04:03:05	73	9.79	3.0	0.9								
12/08/2014	04:03:30	94	11.57	3.2	2.1	Start Mixing Lead Slurry							
12/08/2014	04:05:24	86	11.52	3.3	8.5	Wet Dry Samples Taken							
12/08/2014	04:08:02	130	11.60	4.8	19.7	Wet Sample Weighed Verified							
12/08/2014	04:08:05	118	11.60	4.8	19.9								
12/08/2014	04:13:03	49	11.56	2.9	38.1	Good Returns							
12/08/2014	04:13:05	48	11.56	2.9	38.2								
12/08/2014	04:18:05	118	11.52	4.8	59.7								
12/08/2014	04:23:05	123	11.53	4.8	80.9								
12/08/2014	04:28:05	50	11.57	3.0	98.5								
12/08/2014	04:33:05	82	12.37	3.8	114.6								
12/08/2014	04:33:40	90	14.03	3.5	116.7	End Lead Slurry							
12/08/2014	04:33:41	91	14.03	3.5	116.7	Reset Total, Vol = 116.80 bbl							
12/08/2014	04:33:47	93	14.16	3.4	117.1								

Average Pump Rates, bbl/min										Volume of Fluid Injected, bbl									
Slurry		N2		Mud		Maximum Rate		Total Slurry		Mud		Spacer		N2					
Treating Pressure Summary, psi										Breakdown Fluid									
Maximum		Final		Average		Bump Plug to		Type		Volume		Density							
0						825		Mud		114.7 bbl		8.50 lb/gal							
Avg. N2 Percent		Designed Slurry Volume		Displacement		Mix Water Temp		Cement Circulated to Surface?		Volume		70.0 bbl							
%		173.0 bbl		114.7 bbl		45 degF		Washed Thru Perfs		To		ft							
Customer or Authorized Representative										Schlumberger Supervisor									
Grant Dotson										Jason Holt									
-										-									
Job Completed										Circulation Lost									
<input type="checkbox"/>										<input type="checkbox"/>									
<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>									

Well Razor 33N-2805
Field Wildcat
Engineer Jason Holt
Country United States

Client Whiting Oil Gas Corporation
SIR No. D40W-00353
Job Type 9 5/8" Surface
Job Date 12-08-2014



Cementing Job Report

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Engineer	Jason Holt	Job Type	9 5/8" Surface
Country	United States	Job Date	12-08-2014

