

Well Horsetail 30F-3105
Field Wildcat
Engineer Jordan Moreland / Stacy Terry
Country United States

Client Whiting
SIR No. C3ZB-00845
Job Type 7" Intermediate
Job Date 07-05-2014

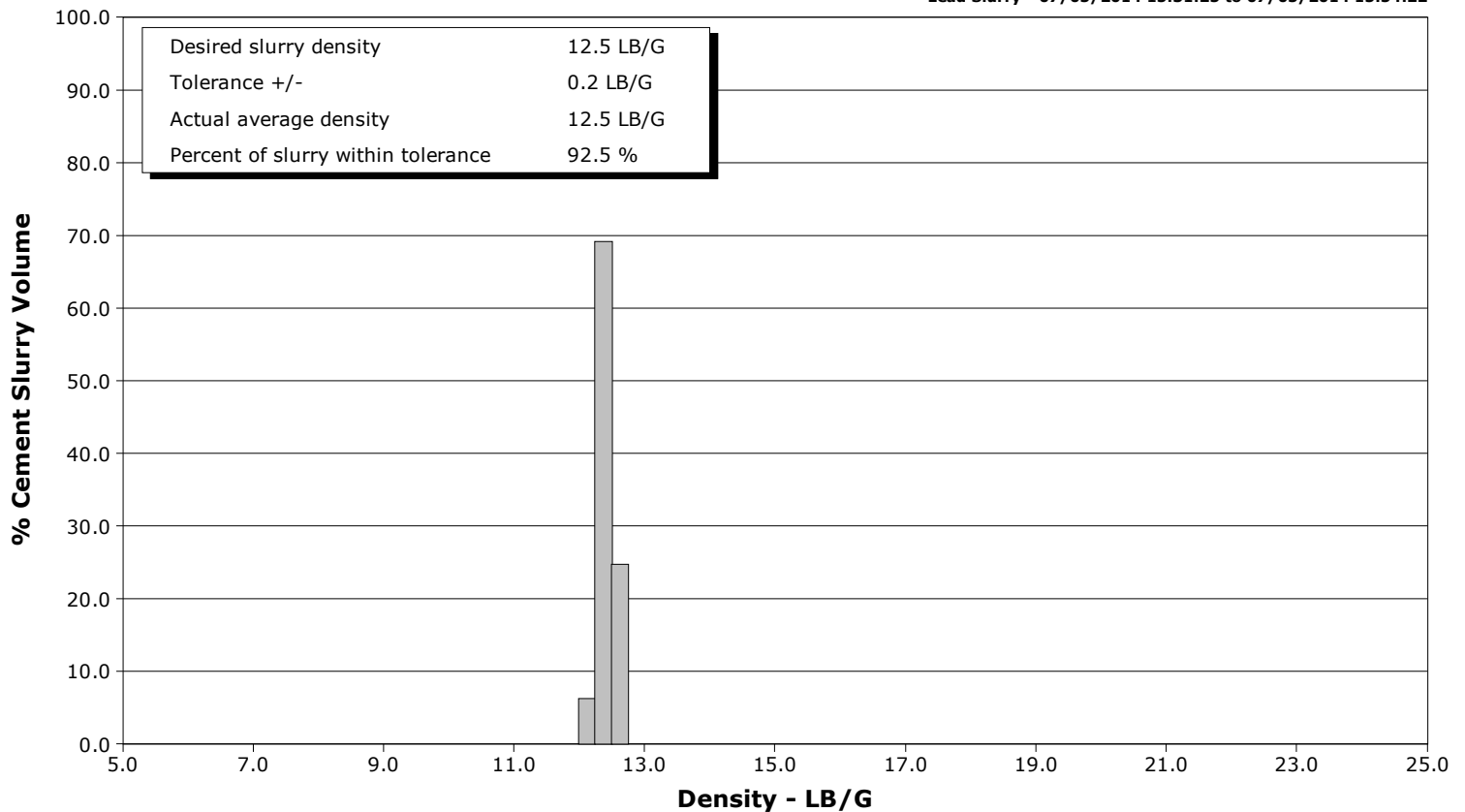


Schlumberger Cementing Qa/Qc Density Report

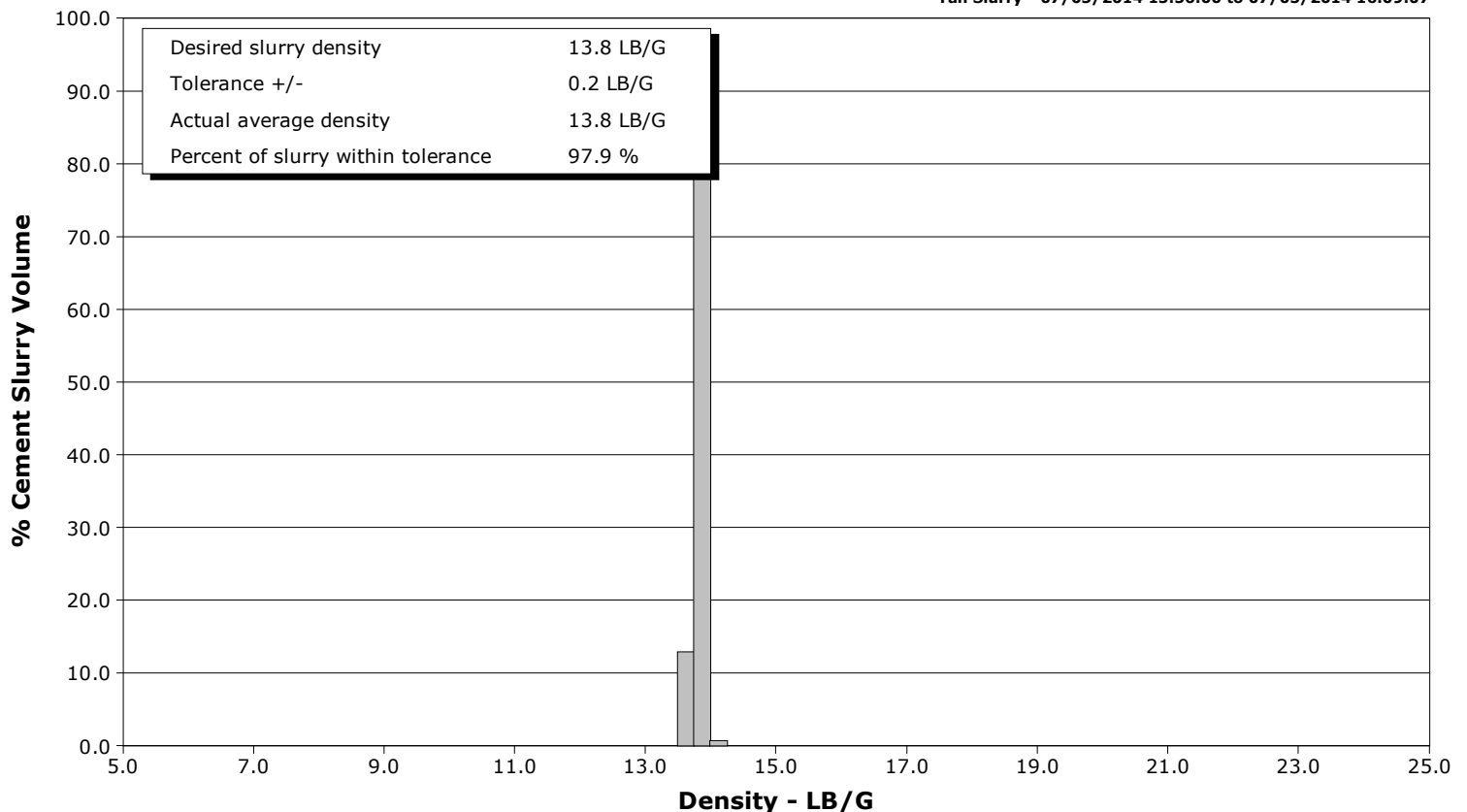
Well Horsetail 30F-3105
Field Wildcat
Engineer Jordan Moreland / Stacy Terry
Country United States

Client Whiting
SIR No. C3ZB-00845
Job Type 7" Intermediate
Job Date 07-05-2014

Lead Slurry - 07/05/2014 15:31:25 to 07/05/2014 15:54:22



Tail Slurry - 07/05/2014 15:56:00 to 07/05/2014 16:09:07





Cementing Service Report

				Customer Whiting		Job Number C3ZB-00845		
Well Horsetail 30F-3105			Location (legal)		Schlumberger Location CWY		Job Start Jul/05/2014	
Field Wildcat		Formation Name/Type		Deviation	Bit Size 0.0 in	Well MD		Well TVD
County Weld		State/Province Colorado		BHP	BHST 185 degF	BHCT 149 degF	Pore Press. Gradient	
Well Master 0631546516		API/UWI						
Rig Name Xtreme 18	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	1575.0	9.630	36.0	K55	8RD	
			5972.0	7.000	26.0	N80	8RD	
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 7" Intermediate							
Max. Allowed Tub. Press 4500 psi	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
							Diameter	
			Treat Down Casing	Displacement 220.0 bbl	Packer Type	Packer Depth		
			Tubing Vol.	Casing Vol. 222.0 bbl	Annular Vol. 165.0 bbl	Openhole Vol. 513.0 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 4500 psi			Shoe Type Float	Squeeze Type				
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 5972.0 ft	Tool Type				
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type	Tool Depth				
Cement Head Type Single			Stage Tool Depth	Tail Pipe Size				
Job Scheduled For Jul/05/2014	Arrived on Location Jul/05/2014	Leave Location Jul/05/2014	Collar Type Float	Tail Pipe Depth				
			Collar Depth 5934.0 ft	Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/05/2014	13:02:03					Started Acquisition		
07/05/2014	15:09:57					20 bbl MUDPUSH Express		
07/05/2014	15:09:57					530 sks 12.5 Lead		
07/05/2014	15:09:57	-2	0.0	8.33	0.0			
07/05/2014	15:09:58					259 sks 13.8 Tail		
07/05/2014	15:09:58					Displace 220 bbl Water		
07/05/2014	15:09:58					Rig Up Per Standard		
07/05/2014	15:09:58					Held Safety Meeting		
07/05/2014	15:09:58	-2	0.0	8.33	0.0			
07/05/2014	15:10:01					Pressure Test Lines		
07/05/2014	15:10:01	-2	0.0	8.33	0.0			
07/05/2014	15:10:02					Low Test 500 psi		
07/05/2014	15:10:02					Test Good		
07/05/2014	15:10:02					High Test 3500 psi		
07/05/2014	15:10:02					Test Good		
07/05/2014	15:10:02	-2	0.0	8.33	0.0			
07/05/2014	15:10:03	-2	0.0	8.33	0.0			
07/05/2014	15:12:03	-1	0.0	8.33	0.0			
07/05/2014	15:14:03	254	2.4	8.34	2.5			
07/05/2014	15:16:03	800	0.0	8.34	5.1			
07/05/2014	15:18:03	3876	0.0	8.34	5.1			

Well			Field		Job Start		Customer		Job Number	
Horsetail 30F-3105			Wildcat		Jul/05/2014		Whiting		C3ZB-00845	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
07/05/2014	15:22:03	74	0.1	8.34	5.2					
07/05/2014	15:24:03	81	0.1	8.33	5.3					
07/05/2014	15:26:03	366	3.3	10.51	8.7					
07/05/2014	15:26:36					Start Pumping Spacer				
07/05/2014	15:26:36	379	3.3	10.49	10.6					
07/05/2014	15:26:37					20 bbl MUDPUSH Express				
07/05/2014	15:26:37					Good Returns				
07/05/2014	15:26:37	379	3.3	10.49	10.6					
07/05/2014	15:28:03	522	4.5	10.43	16.5					
07/05/2014	15:30:03	540	4.5	12.27	25.6					
07/05/2014	15:31:22					End Spacer				
07/05/2014	15:31:22	551	4.3	12.49	31.6					
07/05/2014	15:31:23					Start Cement Slurry				
07/05/2014	15:31:23	709	4.8	12.50	31.6					
07/05/2014	15:31:25					Start Mixing Lead Slurry				
07/05/2014	15:31:25	791	5.6	12.50	31.8					
07/05/2014	15:31:26					Wet Dry Samples				
07/05/2014	15:31:26	810	6.1	12.50	31.9					
07/05/2014	15:31:27					Test = 12.5 Lead				
07/05/2014	15:31:27					Good Returns				
07/05/2014	15:31:27	810	6.3	12.50	32.0					
07/05/2014	15:32:03	926	6.4	12.12	35.9					
07/05/2014	15:34:03	920	6.4	12.41	48.7					
07/05/2014	15:36:03	938	6.5	12.49	61.6					
07/05/2014	15:38:03	922	6.5	12.48	74.5					
07/05/2014	15:40:03	856	6.5	12.48	87.5					
07/05/2014	15:42:03	793	6.5	12.50	100.4					
07/05/2014	15:44:03	787	6.5	12.50	113.4					
07/05/2014	15:46:03	791	6.5	12.50	126.4					
07/05/2014	15:48:03	767	6.5	12.49	139.4					
07/05/2014	15:50:03	735	6.5	12.49	152.4					
07/05/2014	15:52:03	724	6.5	12.52	165.4					
07/05/2014	15:54:03	306	4.6	12.50	177.2					
07/05/2014	15:54:22					End Lead Slurry				
07/05/2014	15:54:22	270	4.6	12.74	178.7					
07/05/2014	15:56:00					Start Mixing Tail Slurry				
07/05/2014	15:56:00	272	4.6	13.60	186.2					
07/05/2014	15:56:03	257	4.6	13.57	186.4					
07/05/2014	15:57:00					Wet Dry Samples				
07/05/2014	15:57:00					Test = 13.8 ppg				
07/05/2014	15:57:00					Good Returns				
07/05/2014	15:57:00	244	4.6	13.78	190.8					
07/05/2014	15:58:03	688	6.5	13.80	197.5					
07/05/2014	16:00:03	34	1.7	13.78	205.2					
07/05/2014	16:02:03	31	1.7	13.67	208.6					
07/05/2014	16:04:03	200	4.2	13.91	212.4					
07/05/2014	16:06:03	200	4.2	13.86	220.9					
07/05/2014	16:08:03	201	4.3	13.81	229.4					
07/05/2014	16:09:07					End Tail Slurry				
07/05/2014	16:09:07	201	4.3	13.77	234.0					
07/05/2014	16:09:10					End Cement Slurry				
07/05/2014	16:09:10	187	4.3	13.77	234.2					
07/05/2014	16:09:20					Drop Top Plug				
07/05/2014	16:09:20	197	4.3	13.77	234.9					

Well			Field		Job Start		Customer		Job Number	
Horsetail 30F-3105			Wildcat		Jul/05/2014		Whiting		C3ZB-00845	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
07/05/2014	16:09:21	197	4.3	13.77	235.0					
07/05/2014	16:10:00					220 bbl Fresh Water				
07/05/2014	16:10:00					Good Returns				
07/05/2014	16:10:00	194	4.3	13.73	237.7					
07/05/2014	16:10:03	185	4.3	13.73	237.9					
07/05/2014	16:12:03	-2	0.0	13.76	240.1					
07/05/2014	16:14:03	-3	0.0	13.75	240.1					
07/05/2014	16:16:03	-10	0.0	10.08	242.0					
07/05/2014	16:18:03	38	3.4	8.92	246.2					
07/05/2014	16:20:03	35	3.7	8.52	254.0					
07/05/2014	16:22:03	52	4.3	8.38	261.9					
07/05/2014	16:24:03	55	4.3	8.34	269.8					
07/05/2014	16:26:03	477	6.5	8.34	279.3					
07/05/2014	16:28:03	819	6.6	8.34	292.4					
07/05/2014	16:30:03	932	6.6	8.34	305.6					
07/05/2014	16:32:03	1072	6.6	8.34	318.9					
07/05/2014	16:34:03	1050	6.6	8.34	332.1					
07/05/2014	16:36:03	1136	6.6	8.35	345.4					
07/05/2014	16:38:03	1241	6.7	8.34	358.7					
07/05/2014	16:40:03	1283	6.6	8.34	371.9					
07/05/2014	16:42:03	1153	4.7	8.34	383.4					
07/05/2014	16:44:03	1413	6.6	8.34	396.0					
07/05/2014	16:46:03	1172	2.2	8.34	405.6					
07/05/2014	16:48:03	1328	4.7	8.34	411.7					
07/05/2014	16:50:03	1485	4.6	8.34	421.0					
07/05/2014	16:52:03	1540	4.6	8.35	430.4					
07/05/2014	16:54:03	1687	4.7	8.35	439.7					
07/05/2014	16:56:03	1756	4.7	8.35	449.0					
07/05/2014	16:58:03	1816	4.3	8.35	457.9					
07/05/2014	17:00:03	1504	2.4	8.35	464.7					
07/05/2014	17:02:03	1540	2.4	8.35	469.4					
07/05/2014	17:04:03	1518	2.4	8.35	474.2					
07/05/2014	17:06:03	1318	0.0	8.35	475.0					
07/05/2014	17:08:03	3	0.0	8.35	475.0					
07/05/2014	17:10:03	4	0.0	8.35	475.0					
07/05/2014	17:10:08					End Displacement				
07/05/2014	17:10:08	5	0.0	8.35	475.0					
07/05/2014	17:10:09					Pump 1/2 Shoe Trac Over				
07/05/2014	17:10:09	5	0.0	8.35	475.0					
07/05/2014	17:10:12					Bleed Off Check Floats				
07/05/2014	17:10:12					Floats Held				
07/05/2014	17:10:12	4	0.0	8.35	475.0					
07/05/2014	17:10:13					Plug Did Not Bump				
07/05/2014	17:10:13					1 bbl Back				
07/05/2014	17:10:13	4	0.0	8.35	475.0					
07/05/2014	17:10:14					Rig Down				
07/05/2014	17:10:14	4	0.0	8.35	475.0					
07/05/2014	17:10:17					End Job				
07/05/2014	17:10:17	3	0.0	8.35	475.0					
07/05/2014	17:14:03	90	0.1	8.35	475.1					
07/05/2014	17:16:03	1	0.0	8.35	478.3					

Well Horsetail 30F-3105	Field Wildcat	Job Start Jul/05/2014	Customer Whiting	Job Number C3ZB-00845
----------------------------	------------------	--------------------------	---------------------	--------------------------

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp 73 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume		
Customer or Authorized Representative Kevin Mosley				Schlumberger Supervisor Jordan Moreland / Stacy Terry		Washed Thru Perfs <input type="checkbox"/>		To
						Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-