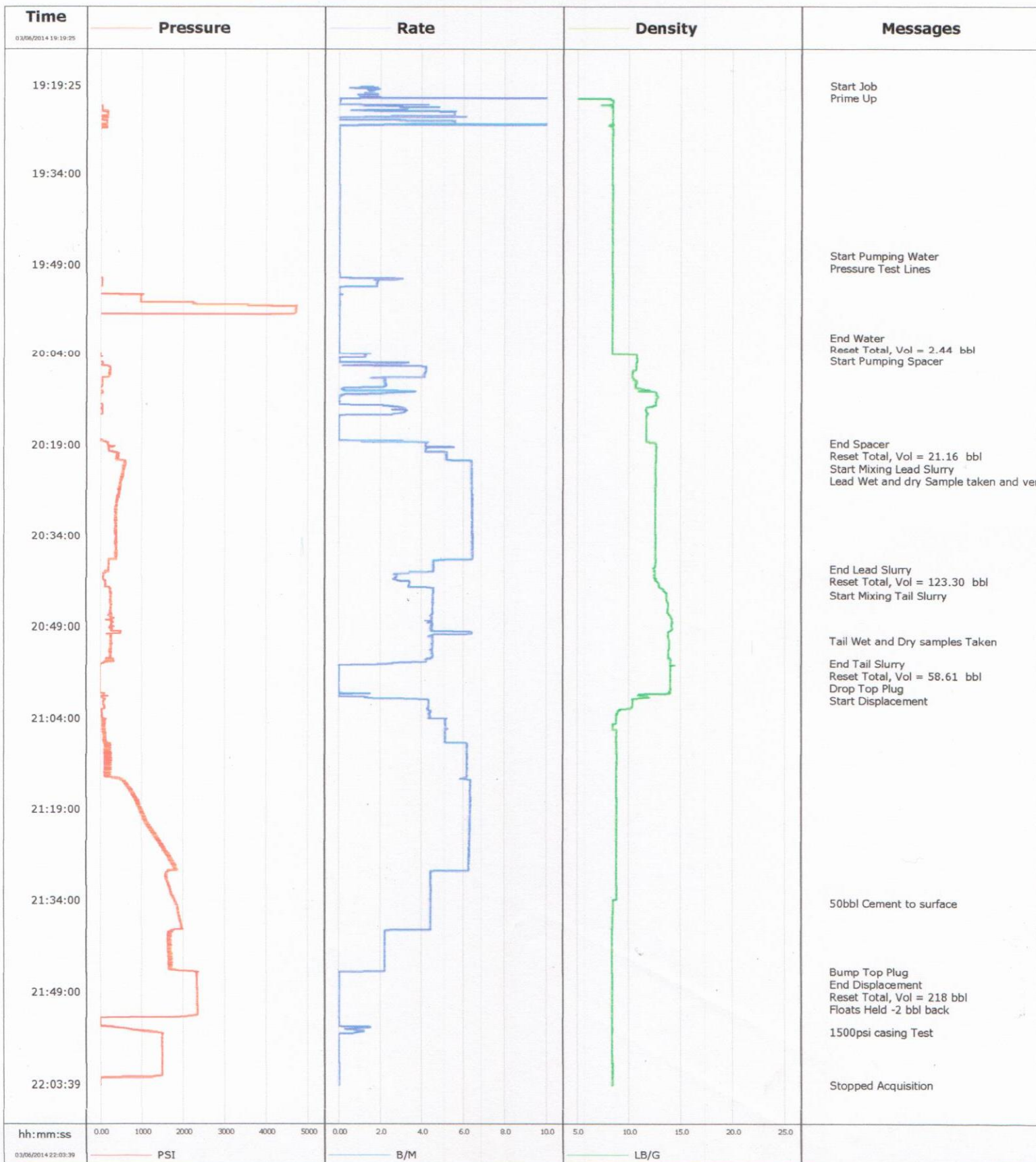


Well	Razor Fed 26J-3510B	Client	Whiting
Field	Wildcat	SIR No.	CMI1-00758
Engineer	Michael Simon/M Alliger	Job Type	7 Intermediate
Country	United States	Job Date	03-06-2014



Cementing Service Report

Customer Whiting						Job Number CMI1-00758	
Well Razor Fed 26J-3510B 3510B			Location (legal) Cheyenne		Schlumberger Location Rock Springs		Job Start Mar/06/2014
Field Wildcat		Formation Name/Type		Deviation	Bit Size 8.8 in	Well MD 5920.2 ft	Well TVD
County Weld		State/Province Colorado		BHP	BHST 194 degF	BHCT 155 degF	Pore Press. Gradient
Well Master 0631506280		API/UWI					
Rig Name Xtreme 18	Drilled For Oil	Service Via Land		Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
				5920.2	7.000	29.0	N80
				0.0	0.000	0.0	
Offshore Zone		Well Class New	Well Type Development				
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
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 218.0 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 219.9 bbl	Annular Vol. 163.0 bbl	Openhole Vol. 387.0 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 4461 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 5920.2 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 Mar/06/2014		Arrived on Location Mar/06/2014	Leave Location Mar/06/2014	Collar Type Float		Tail Pipe Depth	
				Collar Depth 5874.7 ft		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message
03/06/2014	17:39:05						Started Acquisition
03/06/2014	19:19:25	-31	1.5	0.02	0.0	0.0	
03/06/2014	19:19:26						Start Job
03/06/2014	19:19:26	-31	1.6	0.03	0.1	0.1	
03/06/2014	19:19:39						Prime Up
03/06/2014	19:19:39	-31	1.0	0.02	0.4	0.4	
03/06/2014	19:21:05	-31	1.1	0.02	2.5	2.5	
03/06/2014	19:24:05	165	5.5	8.37	9.7	9.7	
03/06/2014	19:27:05	-29	0.0	8.38	16.6	16.6	
03/06/2014	19:30:05	-28	0.0	8.38	16.6	16.6	
03/06/2014	19:33:05	-27	0.0	8.38	16.6	16.6	
03/06/2014	19:36:05	-26	0.0	8.37	16.6	16.6	
03/06/2014	19:39:05	-26	0.0	8.37	16.6	16.6	
03/06/2014	19:42:05	-26	0.0	8.37	16.6	16.6	
03/06/2014	19:45:05	-26	0.0	8.37	16.6	16.6	
03/06/2014	19:47:20						Start Pumping Water
03/06/2014	19:47:20	-25	0.0	8.37	16.6	16.6	
03/06/2014	19:47:22						Pressure Test Lines
03/06/2014	19:47:22	-25	0.0	8.37	16.6	16.6	
03/06/2014	19:48:05	-25	0.0	8.37	16.6	16.6	
03/06/2014	19:51:05	32	0.7	8.37	16.7	16.7	

Well			Field		Job Start	Customer		Job Number
Razor Fed 26J-3510B 3510B			Wildcat		Mar/06/2014	Whiting		CM11-00758
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message	
03/06/2014	19:57:05	-29	0.0	8.37	19.4	19.4		
03/06/2014	20:00:05	-25	0.0	8.37	19.4	19.4		
03/06/2014	20:01:01						End Water	
03/06/2014	20:01:01	-25	0.0	8.37	19.4	19.4		
03/06/2014	20:01:02						Reset Total, Vol = 2.44 bbl	
03/06/2014	20:01:02	-26	0.0	8.37	19.4	19.4		
03/06/2014	20:01:46						Start Pumping Spacer	
03/06/2014	20:01:46	-26	0.0	8.37	19.4	0.0		
03/06/2014	20:03:05	-26	0.0	8.36	19.4	0.0		
03/06/2014	20:06:05	209	4.2	10.65	21.8	2.4		
03/06/2014	20:09:05	38	2.3	10.59	31.7	12.3		
03/06/2014	20:12:05	-21	0.0	12.59	34.2	14.8		
03/06/2014	20:15:05	-23	0.0	11.66	38.7	19.2		
03/06/2014	20:18:05	49	0.6	11.66	38.7	19.2		
03/06/2014	20:18:36						End Spacer	
03/06/2014	20:18:36	179	4.2	12.60	40.5	21.0		
03/06/2014	20:18:38						Reset Total, Vol = 21.16 bbl	
03/06/2014	20:18:38	187	4.2	12.61	40.6	21.2		
03/06/2014	20:18:49						Start Mixing Lead Slurry	
03/06/2014	20:18:49	189	4.2	12.61	41.4	0.8		
03/06/2014	20:20:21						Lead Wet and dry Sample taken and verified	
03/06/2014	20:20:21	404	5.2	12.55	48.4	7.8		
03/06/2014	20:21:05	385	5.2	12.56	52.2	11.6		
03/06/2014	20:24:05	537	6.4	12.55	71.0	30.4		
03/06/2014	20:27:05	447	6.4	12.54	90.2	49.6		
03/06/2014	20:30:05	369	6.4	12.51	109.5	68.9		
03/06/2014	20:33:05	360	6.4	12.51	128.8	88.2		
03/06/2014	20:36:05	374	6.4	12.51	148.1	107.5		
03/06/2014	20:39:05	201	4.6	12.36	164.9	124.3		
03/06/2014	20:39:19						End Lead Slurry	
03/06/2014	20:39:19	195	4.6	12.44	166.0	125.4		
03/06/2014	20:39:44						Reset Total, Vol = 123.30 bbl	
03/06/2014	20:39:44	118	4.5	12.45	167.9	127.3		
03/06/2014	20:42:05	121	3.4	12.89	175.1	1.2		
03/06/2014	20:43:44						Start Mixing Tail Slurry	
03/06/2014	20:43:44	243	4.5	13.63	182.2	8.3		
03/06/2014	20:45:05	268	4.5	13.80	188.4	14.5		
03/06/2014	20:48:05	292	4.3	14.12	201.9	28.0		
03/06/2014	20:51:05	244	4.5	13.85	216.2	42.3		
03/06/2014	20:51:08						Tail Wet and Dry samples Taken	
03/06/2014	20:51:08	250	4.5	13.85	216.4	42.5		
03/06/2014	20:54:05	318	4.2	13.99	229.6	55.7		
03/06/2014	20:54:52						End Tail Slurry	
03/06/2014	20:54:52	45	2.4	14.01	232.5	58.5		
03/06/2014	20:54:54						Reset Total, Vol = 58.61 bbl	
03/06/2014	20:54:54	4	1.8	14.03	232.5	58.6		
03/06/2014	20:54:55						Drop Top Plug	
03/06/2014	20:54:55	5	1.3	14.15	232.5	0.0		
03/06/2014	20:54:57						Start Displacement	
03/06/2014	20:54:57	4	0.8	14.25	232.6	0.1		
03/06/2014	20:57:05	-9	0.0	14.01	232.6	0.1		
03/06/2014	21:00:05	82	0.0	11.78	232.7	0.2		
03/06/2014	21:03:05	33	4.3	8.81	244.1	11.6		
03/06/2014	21:06:05	101	5.1	8.78	259.0	26.5		

Well			Field		Job Start	Customer	Job Number	
Razor Fed 26J-3510B 3510B			Wildcat		Mar/06/2014	Whiting	CMI1-00758	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message	
03/06/2014	21:12:05	171	6.2	8.82	294.2	61.7		
03/06/2014	21:15:05	627	6.3	8.82	312.9	80.4		
03/06/2014	21:18:05	909	6.3	8.82	331.9	99.4		
03/06/2014	21:21:05	1140	6.3	8.82	350.8	118.3		
03/06/2014	21:24:05	1374	6.3	8.82	369.7	137.2		
03/06/2014	21:27:05	1647	6.3	8.82	388.5	156.0		
03/06/2014	21:30:05	1570	4.4	8.82	405.2	172.6		
03/06/2014	21:33:05	1724	4.4	8.82	418.4	185.9		
03/06/2014	21:34:11						50bbl Cement to surface	
03/06/2014	21:34:11	1809	4.4	8.45	423.3	190.8		
03/06/2014	21:36:05	1891	4.4	8.39	431.7	199.2		
03/06/2014	21:39:05	1643	2.2	8.37	444.1	211.6		
03/06/2014	21:42:05	1625	2.2	8.37	450.7	218.2		
03/06/2014	21:45:05	1663	2.2	8.37	457.4	224.9		
03/06/2014	21:45:31						Bump Top Plug	
03/06/2014	21:45:31	2277	0.0	8.37	458.1	225.6		
03/06/2014	21:45:33						End Displacement	
03/06/2014	21:45:33	2324	0.0	8.37	458.1	225.6		
03/06/2014	21:45:34						Reset Total, Vol = 218 bbl	
03/06/2014	21:45:34	2299	0.0	8.37	458.1	225.6		
03/06/2014	21:48:05	2327	0.0	8.38	458.1	0.0		
03/06/2014	21:49:46						Floats Held -2 bbl back	
03/06/2014	21:49:46	2336	0.0	8.38	458.1	0.0		
03/06/2014	21:51:05	2341	0.0	8.38	458.1	0.0		
03/06/2014	21:54:05	5	0.0	8.38	458.1	0.0		
03/06/2014	21:55:16						1500psi casing Test	
03/06/2014	21:55:16	1368	0.9	8.38	459.1	1.0		
03/06/2014	21:57:05	1483	0.0	8.38	459.2	1.1		
03/06/2014	22:00:05	1488	0.0	8.38	459.2	1.1		
03/06/2014	22:03:05	-1	0.0	8.38	459.2	1.1		
03/06/2014	22:03:39	-1	0.0	8.38	459.2	1.1		

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
4.5		0.0	17.2	181.0	0.0	21.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
4708	1476	826					
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	50.0 bbl
	198.0 bbl	218.0 bbl	52 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative		Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
Lewis Young		Michael Simon/M Alliger			-		-