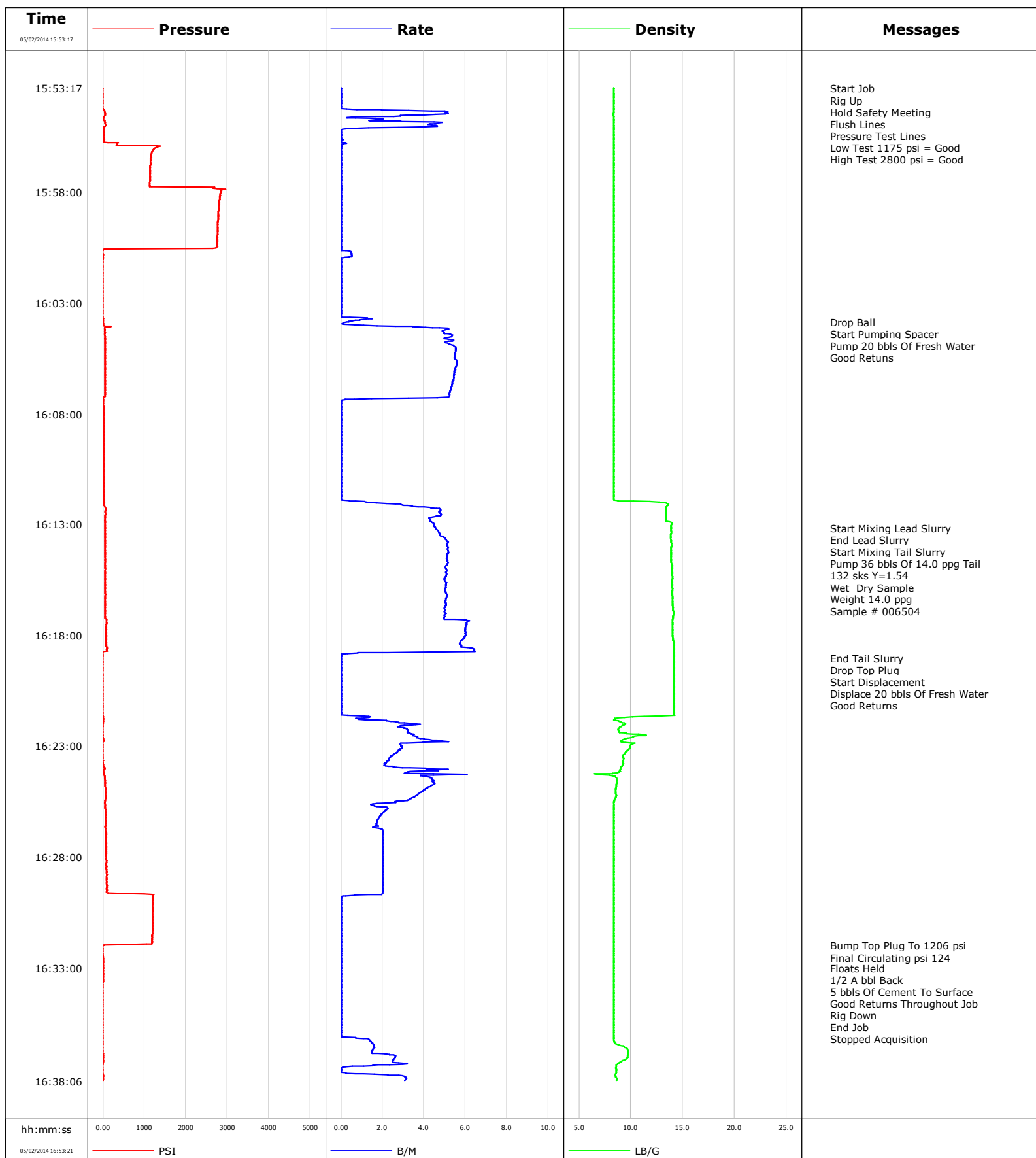


Well John Craig 10-10
Field Wildcat
Engineer Justin Zika
Country United States

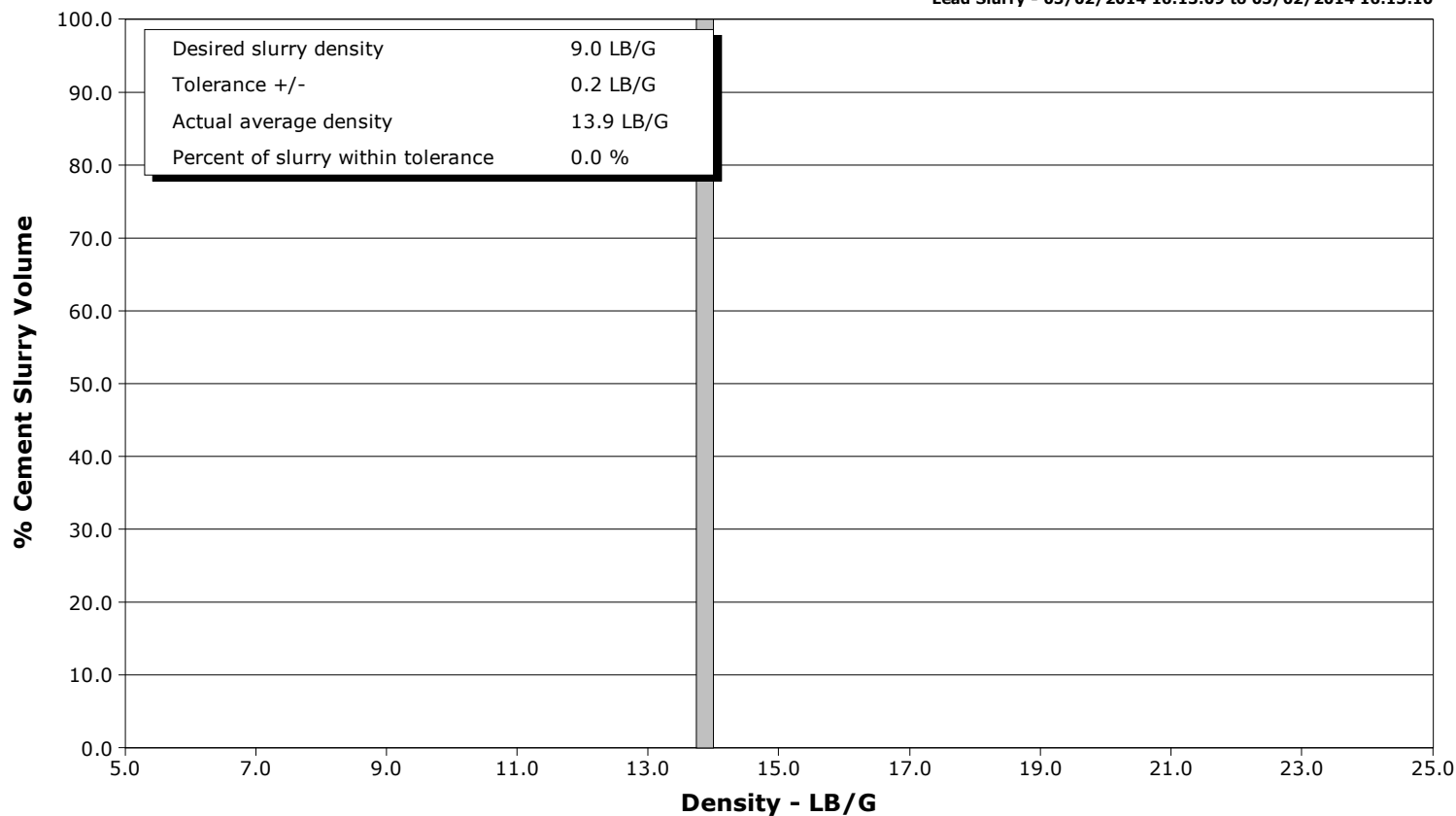
Client Nighthawk
SIR No.
Job Type Surface
Job Date 05-02-2014



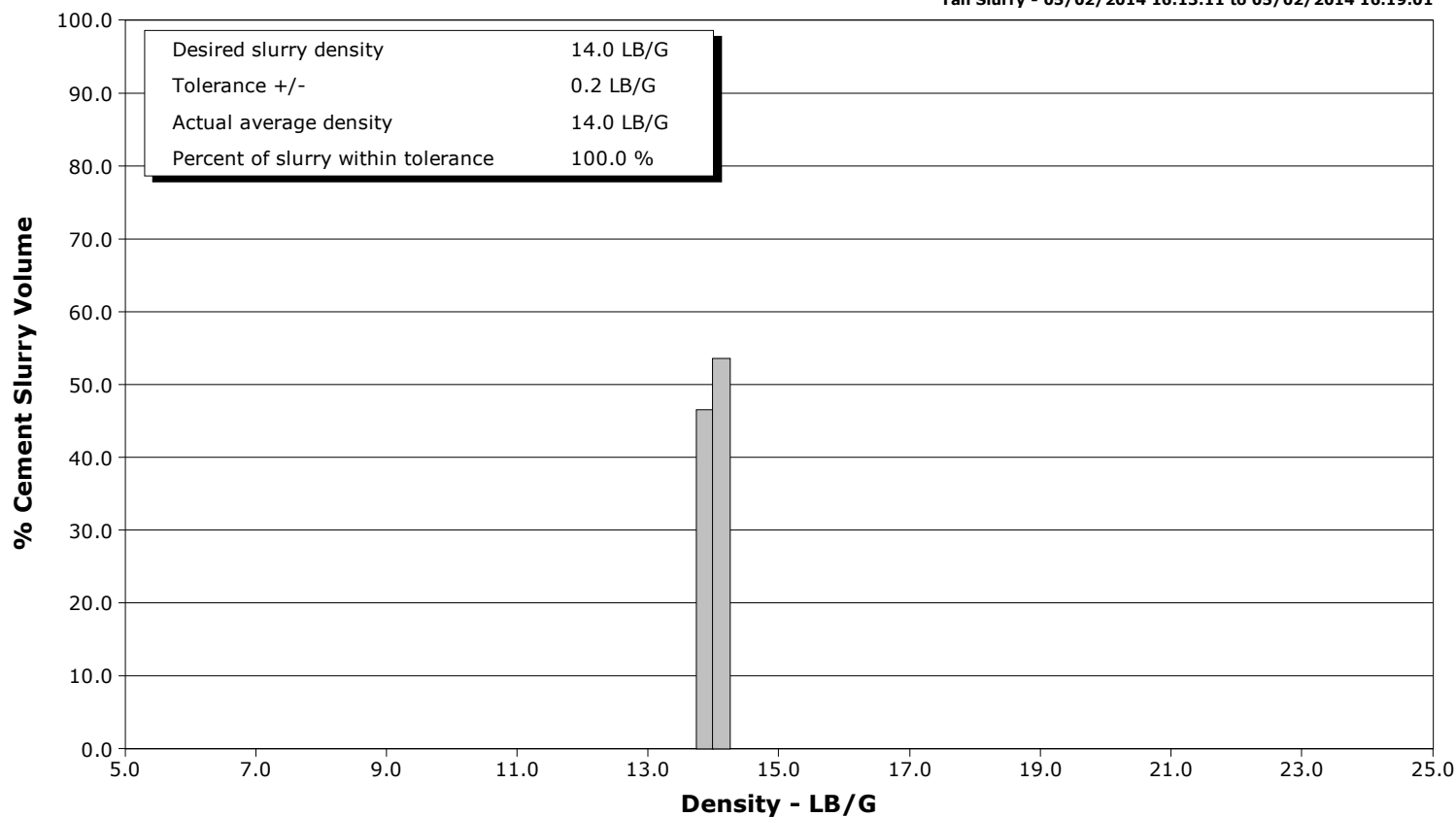
Well John Craig 10-10
Field Wildcat
Engineer Justin Zika
Country United States

Client Nighthawk
SIR No.
Job Type Surface
Job Date 05-02-2014

Lead Slurry - 05/02/2014 16:13:09 to 05/02/2014 16:13:10



Tail Slurry - 05/02/2014 16:13:11 to 05/02/2014 16:19:01



Cementing Service Report

				Customer Nighthawk		Job Number 1953891	
Well John Craig 10-10 10-10			Location (legal) Cheyenne, WY		Schlumberger Location Cheyenne, WY		Job Start May/02/2014
Field Wildcat		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 358.0 ft	Well TVD 358.0 ft
County Lincoln		State/Province Colorado		BHP	BHST 84 degF	BHCT 81 degF	Pore Press. Gradient
Well Master 0631505913		API/UWI					
Rig Name Spud Rig		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			
				354.0	8.630	24.0	J55
				0.0	0.000	0.0	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe	
				Depth,	Size,	Weight,	Grade
							Thread
Service Line Cementing		Job Type Surface					
Max. Allowed Tub. Press 1000 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 20.0 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 23.0 bbl	Annular Vol. 26.0 bbl	Openhole Vol. 49.0 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 145 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 354.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Tool Depth	
Cement Head Type Single				Stage Tool Type		Tool Depth	
				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For May/02/2014 11:00		Arrived on Location May/02/2014 11:00		Leave Location May/02/2014 18:00		Collar Type Float	
						Tail Pipe Depth	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/02/2014	15:43:04					Started Acquisition	
05/02/2014	15:53:17	-2	0.0	8.34	0.0		
05/02/2014	15:53:19					Start Job	
05/02/2014	15:53:19	-2	0.0	8.34	0.0		
05/02/2014	15:53:20					Rig Up	
05/02/2014	15:53:20	-2	0.0	8.34	0.0		
05/02/2014	15:53:21					Hold Safety Meeting	
05/02/2014	15:53:21					Flush Lines	
05/02/2014	15:53:21	-2	0.0	8.34	0.0		
05/02/2014	15:53:27					Pressure Test Lines	
05/02/2014	15:53:27	-2	0.0	8.34	0.0		
05/02/2014	15:53:28					Low Test 1175 psi = Good	
05/02/2014	15:53:28					High Test 2800 psi = Good	
05/02/2014	15:53:28	-2	0.0	8.34	0.0		
05/02/2014	15:54:44	8	1.9	8.34	1.5		
05/02/2014	15:56:24	1157	0.0	8.34	2.9		
05/02/2014	15:58:04	2833	0.0	8.34	2.9		
05/02/2014	15:59:44	2766	0.0	8.34	2.9		
05/02/2014	16:01:24	-4	0.0	8.34	3.1		
05/02/2014	16:03:04	-3	0.0	8.34	3.1		
05/02/2014	16:03:52					Drop Ball	

Well			Field		Job Start	Customer	Job Number
John Craig 10-10 10-10			Wildcat		May/02/2014	Nighthawk	1953891
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/02/2014	16:03:58					Start Pumping Spacer	
05/02/2014	16:03:58	4	0.1	8.34	3.3		
05/02/2014	16:04:00					Pump 20 bbls Of Fresh Water	
05/02/2014	16:04:00					Good Retuns	
05/02/2014	16:04:00	6	0.7	8.34	3.3		
05/02/2014	16:04:44	52	5.2	8.34	6.8		
05/02/2014	16:06:24	55	5.4	8.35	15.9		
05/02/2014	16:08:04	15	0.0	8.35	20.7		
05/02/2014	16:09:44	17	0.0	8.34	20.8		
05/02/2014	16:11:24	18	0.0	8.34	20.8		
05/02/2014	16:13:04	57	4.5	13.88	25.3		
05/02/2014	16:13:09					Start Mixing Lead Slurry	
05/02/2014	16:13:09	57	4.6	13.87	25.7		
05/02/2014	16:13:10					End Lead Slurry	
05/02/2014	16:13:10	58	4.6	13.88	25.8		
05/02/2014	16:13:11					Start Mixing Tail Slurry	
05/02/2014	16:13:11	57	4.6	13.88	25.9		
05/02/2014	16:13:13					Pump 36 bbls Of 14.0 ppg Tail	
05/02/2014	16:13:13					132 sks Y=1.54	
05/02/2014	16:13:13	58	4.6	13.88	26.0		
05/02/2014	16:13:14					Wet Dry Sample	
05/02/2014	16:13:14					Weight 14.0 ppg	
05/02/2014	16:13:14	56	4.6	13.89	26.1		
05/02/2014	16:13:15					Sample # 006504	
05/02/2014	16:13:15	56	4.7	13.90	26.2		
05/02/2014	16:14:44	57	5.2	13.91	33.6		
05/02/2014	16:16:24	58	5.1	14.04	42.1		
05/02/2014	16:18:04	80	6.0	14.05	51.2		
05/02/2014	16:19:01					End Tail Slurry	
05/02/2014	16:19:01	-6	0.0	14.17	55.4		
05/02/2014	16:19:07					Drop Top Plug	
05/02/2014	16:19:07	-7	0.0	14.17	55.4		
05/02/2014	16:19:09					Start Displacement	
05/02/2014	16:19:09	-7	0.0	14.18	55.4		
05/02/2014	16:19:15					Displace 20 bbls Of Fresh Water	
05/02/2014	16:19:15					Good Returns	
05/02/2014	16:19:15	-7	0.0	14.17	55.4		
05/02/2014	16:19:44	-7	0.0	14.18	55.4		
05/02/2014	16:21:24	-7	0.0	14.18	55.5		
05/02/2014	16:23:04	-3	2.9	9.94	59.9		
05/02/2014	16:24:44	57	4.5	8.60	65.3		
05/02/2014	16:26:24	69	1.7	8.34	70.0		
05/02/2014	16:28:04	81	2.0	8.34	73.3		
05/02/2014	16:29:44	1214	0.7	8.34	76.6		
05/02/2014	16:31:24	1191	0.0	8.35	76.6		
05/02/2014	16:32:00					Bump Top Plug To 1206 psi	
05/02/2014	16:32:00					Final Circulating psi 124	
05/02/2014	16:32:00	6	0.0	8.35	76.6		
05/02/2014	16:33:00					Floats Held	
05/02/2014	16:33:00					1/2 A bbl Back	
05/02/2014	16:33:00					5 bbls Of Cement To Surface	
05/02/2014	16:33:00					Good Returns Throughout Job	
05/02/2014	16:33:00					Rig Down	
05/02/2014	16:33:00					End Job	

Well			Field		Job Start	Customer	Job Number
John Craig 10-10 10-10			Wildcat		May/02/2014	Nighthawk	1953891
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/02/2014	16:33:04	1	0.0	8.35	76.6		
05/02/2014	16:34:44	-2	0.0	8.35	76.6		
05/02/2014	16:36:24	-1	1.5	8.48	77.0		
05/02/2014	16:38:04	5	3.1	8.67	80.0		
05/02/2014	16:39:44	-1	15.6	2.99	89.4		
05/02/2014	16:41:24	0	0.0	3.04	94.1		
05/02/2014	16:43:04	-1	1.8	5.86	96.6		
05/02/2014	16:44:44	-3	25.0	0.01	118.6		
05/02/2014	16:46:24	-19	3.1	9.30	136.4		
05/02/2014	16:48:04	-7	0.0	0.04	140.3		
05/02/2014	16:49:44	-7	3.3	9.07	156.0		
05/02/2014	16:51:24	-15	2.7	8.32	160.2		
05/02/2014	16:53:04	1	11.1	8.88	174.8		

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry 36.0	Mud	Spacer 20.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 1000	Final 124	Average	Bump Plug to 1204	Breakdown	Type	Volume		Density
Avg. N2 Percent		Designed Slurry Volume		Displacement 20.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 5.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor Justin Zika			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-		-