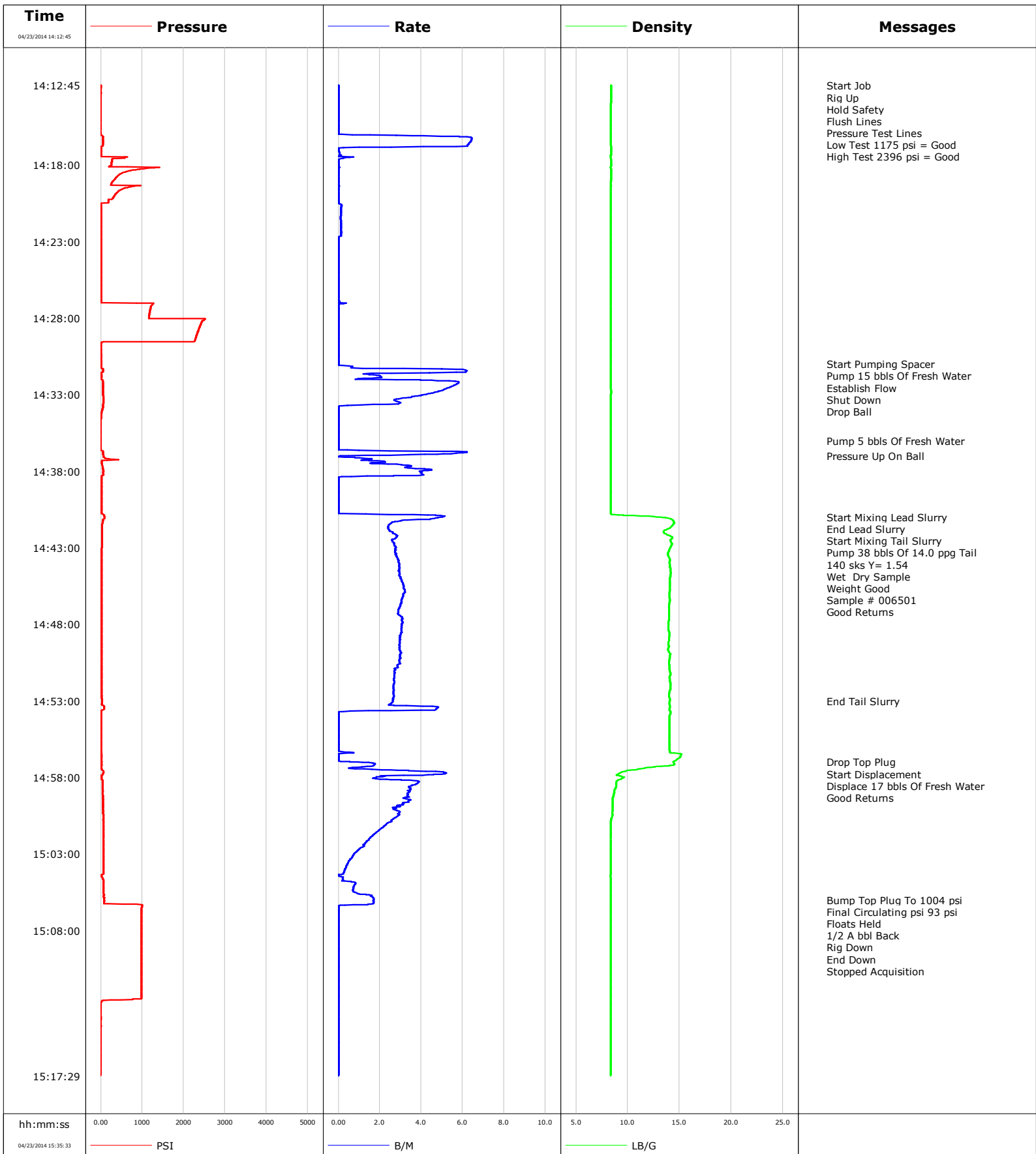


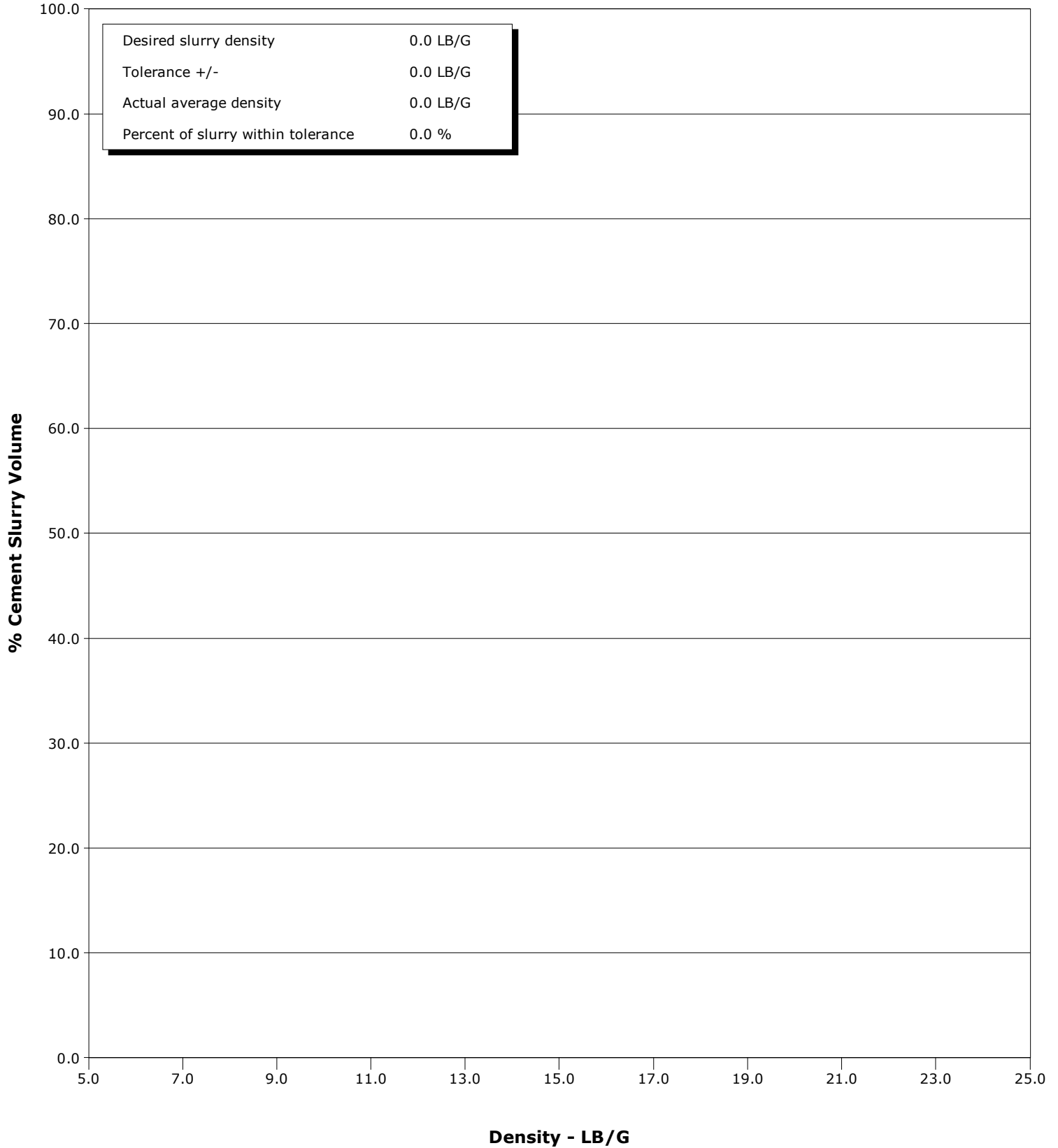
Well	John Craig 2-2	Client	Nighthawk
Field	Wildcat	SIR No.	
Engineer	Justin Zika	Job Type	Surface
Country	United States	Job Date	04-23-2014



Well John Craig 2-2
Field Wildcat
Engineer Justin Zika
Country United States

Client Nighthawk
SIR No.
Job Type Surface
Job Date 04-23-2014

- 03/27/1972 18:35:52 to 03/27/1972 18:39:36



Well		Field		Job Start	Customer	Job Number
John Craig 2-2 2-2		Wildcat		Apr/23/2014	Nighthawk	1950806
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
04/23/2014	14:27:48	1168	0.0	8.38	5.1	
04/23/2014	14:29:28	2270	0.0	8.37	5.1	
04/23/2014	14:31:00					Start Pumping Spacer
04/23/2014	14:31:00					Pump 15 bbls Of Fresh Water
04/23/2014	14:31:00	1	0.0	8.37	5.1	
04/23/2014	14:31:08	3	0.5	8.37	5.1	
04/23/2014	14:32:00					Establish Flow
04/23/2014	14:32:00	27	1.7	8.37	7.7	
04/23/2014	14:32:48	57	4.8	8.42	11.9	
04/23/2014	14:33:00					Shut Down
04/23/2014	14:33:00					Drop Ball
04/23/2014	14:33:00	59	4.2	8.37	12.8	
04/23/2014	14:34:28	3	0.0	8.37	14.9	
04/23/2014	14:36:00					Pump 5 bbls Of Fresh Water
04/23/2014	14:36:00	-1	0.0	8.37	14.9	
04/23/2014	14:36:08	-1	0.0	8.37	14.9	
04/23/2014	14:37:00					Pressure Up On Ball
04/23/2014	14:37:00	67	0.1	8.37	16.4	
04/23/2014	14:37:48	45	3.5	8.36	18.0	
04/23/2014	14:39:28	17	0.0	8.37	20.1	
04/23/2014	14:41:00					Start Mixing Lead Slurry
04/23/2014	14:41:00					End Lead Slurry
04/23/2014	14:41:00	87	4.9	13.19	21.0	
04/23/2014	14:41:08	50	4.4	14.24	21.7	
04/23/2014	14:42:00					Start Mixing Tail Slurry
04/23/2014	14:42:00					Pump 38 bbls Of 14.0 ppg Tail
04/23/2014	14:42:00					140 sks Y= 1.54
04/23/2014	14:42:00					Wet Dry Sample
04/23/2014	14:42:00					Weight Good
04/23/2014	14:42:00					Sample # 006501
04/23/2014	14:42:00					Good Returns
04/23/2014	14:42:00	30	2.6	13.49	23.9	
04/23/2014	14:42:48	24	2.7	14.24	26.1	
04/23/2014	14:44:28	19	2.9	14.13	30.8	
04/23/2014	14:46:08	21	3.1	14.01	36.0	
04/23/2014	14:47:48	21	3.1	13.95	41.0	
04/23/2014	14:49:28	21	3.0	13.96	46.0	
04/23/2014	14:51:08	19	2.7	14.10	50.9	
04/23/2014	14:52:48	24	2.7	14.05	55.3	
04/23/2014	14:53:00					End Tail Slurry
04/23/2014	14:53:00	26	2.6	14.06	55.8	
04/23/2014	14:54:28	4	0.0	14.03	58.1	
04/23/2014	14:56:08	1	0.0	14.05	58.1	
04/23/2014	14:57:00					Drop Top Plug
04/23/2014	14:57:00					Start Displacement
04/23/2014	14:57:00					Displace 17 bbls Of Fresh Water
04/23/2014	14:57:00					Good Returns
04/23/2014	14:57:00	15	0.9	14.41	58.2	
04/23/2014	14:57:48	37	4.6	9.01	60.2	
04/23/2014	14:59:28	54	3.5	8.55	65.7	
04/23/2014	15:01:08	62	2.2	8.37	70.4	
04/23/2014	15:02:48	63	0.9	8.36	73.0	
04/23/2014	15:04:28	20	0.1	8.33	73.8	
04/23/2014	15:06:00					Bump Top Plug To 1004 psi

Well		Field		Job Start		Customer		Job Number	
John Craig 2-2 2-2		Wildcat		Apr/23/2014		Nighthawk		1950806	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
04/23/2014	15:06:00					Floats Held			
04/23/2014	15:06:00					1/2 A bbl Back			
04/23/2014	15:06:00					Rig Down			
04/23/2014	15:06:00	75	1.7	8.36	75.1				
04/23/2014	15:06:08	73	1.7	8.36	75.3				
04/23/2014	15:06:35					End Down			
04/23/2014	15:06:35	987	0.0	8.37	75.6				
04/23/2014	15:07:48	984	0.0	8.37	75.6				
04/23/2014	15:09:28	982	0.0	8.37	75.6				
04/23/2014	15:11:08	980	0.0	8.37	75.6				
04/23/2014	15:12:48	0	0.0	8.37	75.6				
04/23/2014	15:14:28	-1	0.0	8.37	75.6				
04/23/2014	15:16:08	-5	0.0	8.37	75.6				
04/23/2014	15:17:48	-5	0.0	8.37	75.6				
04/23/2014	15:19:28	-3	0.0	8.37	75.6				
04/23/2014	15:21:08	-4	1.5	8.21	80.8				
04/23/2014	15:22:48	-1	1.7	8.10	85.2				
04/23/2014	15:24:28	27	0.0	8.41	88.4				
04/23/2014	15:26:08	-3	0.0	8.36	88.4				
04/23/2014	15:27:48	-1	0.0	8.36	88.4				
04/23/2014	15:29:28	-1	0.0	8.37	88.4				
04/23/2014	15:31:08	-1	0.0	8.36	88.4				
04/23/2014	15:32:48	-1	0.0	8.36	88.4				
04/23/2014	15:34:28	-1	0.0	8.37	88.4				

Post Job Summary

Average Pump Rates,				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
				38.0		20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
1000	93		1004				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	3.0 bbl
	38.0 bbl	17.0 bbl	55 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	<input type="checkbox"/>	Job Completed
Jim Weir			Justin Zika		-	<input type="checkbox"/>	<input checked="" type="checkbox"/>