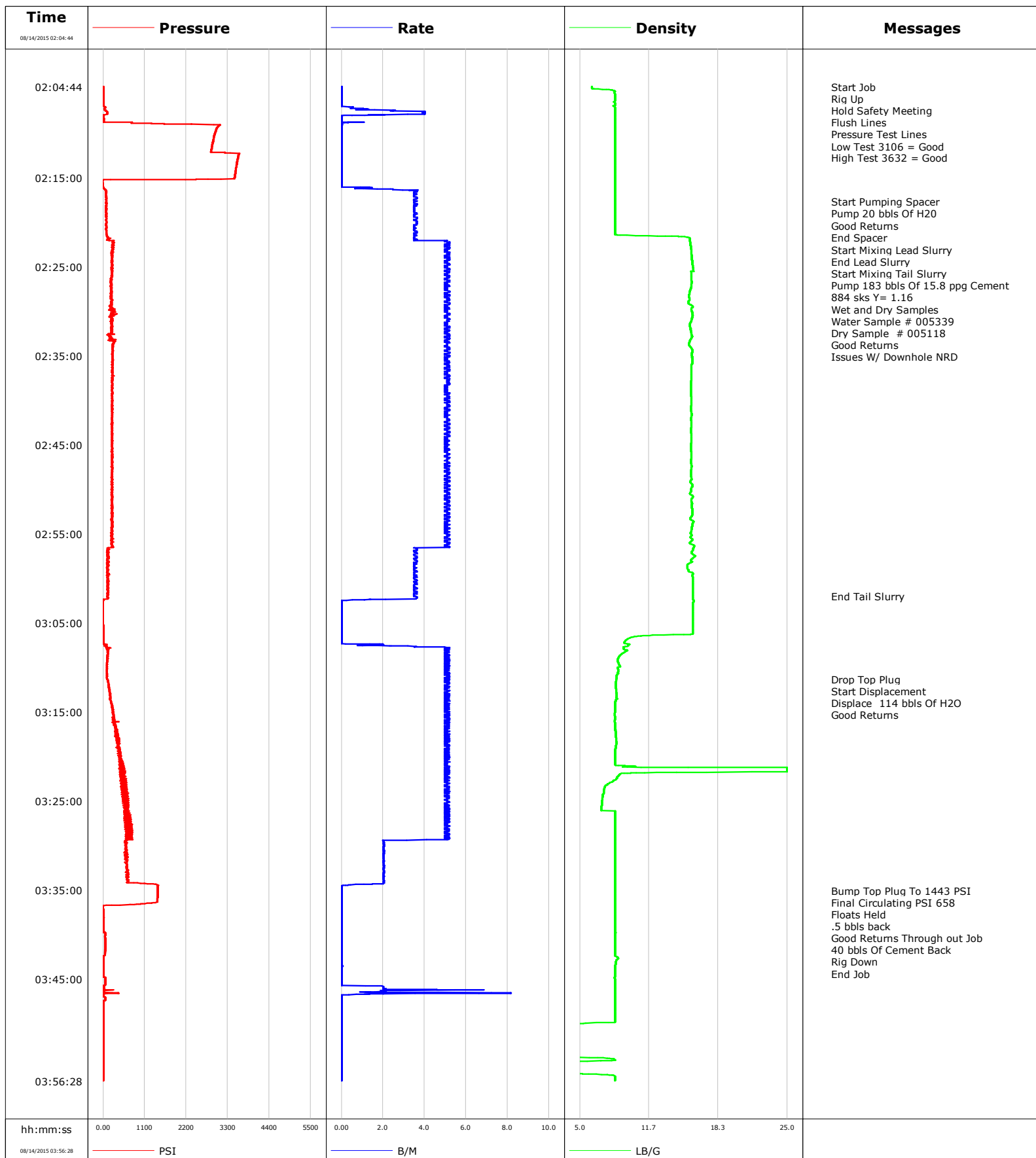


Well DT- Forbes 2-5-6
Field DJ
Engineer Justin Zika
Country United States

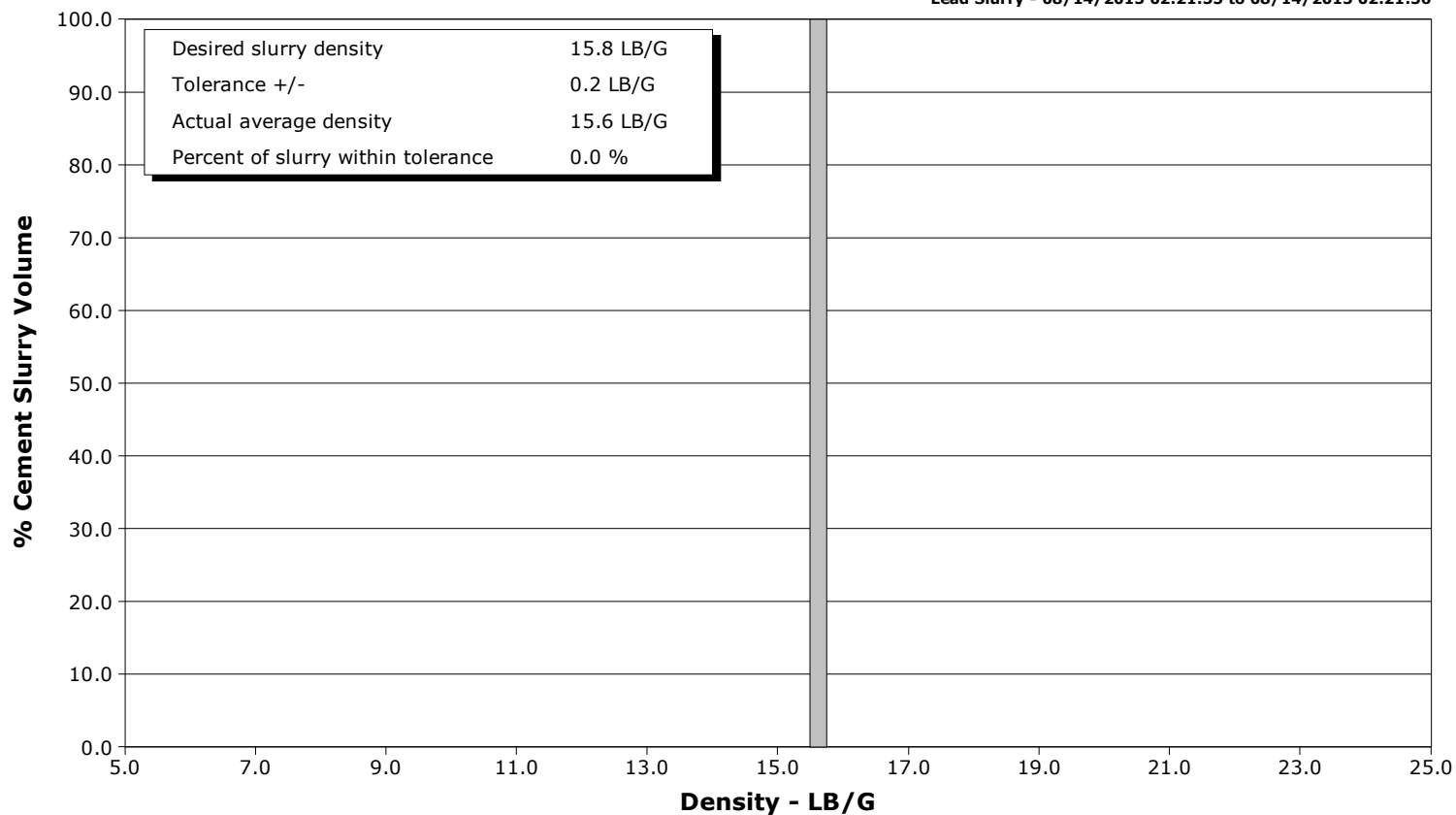
Client Extraction
SIR No. 2173752
Job Type Surface
Job Date 08-14-2015



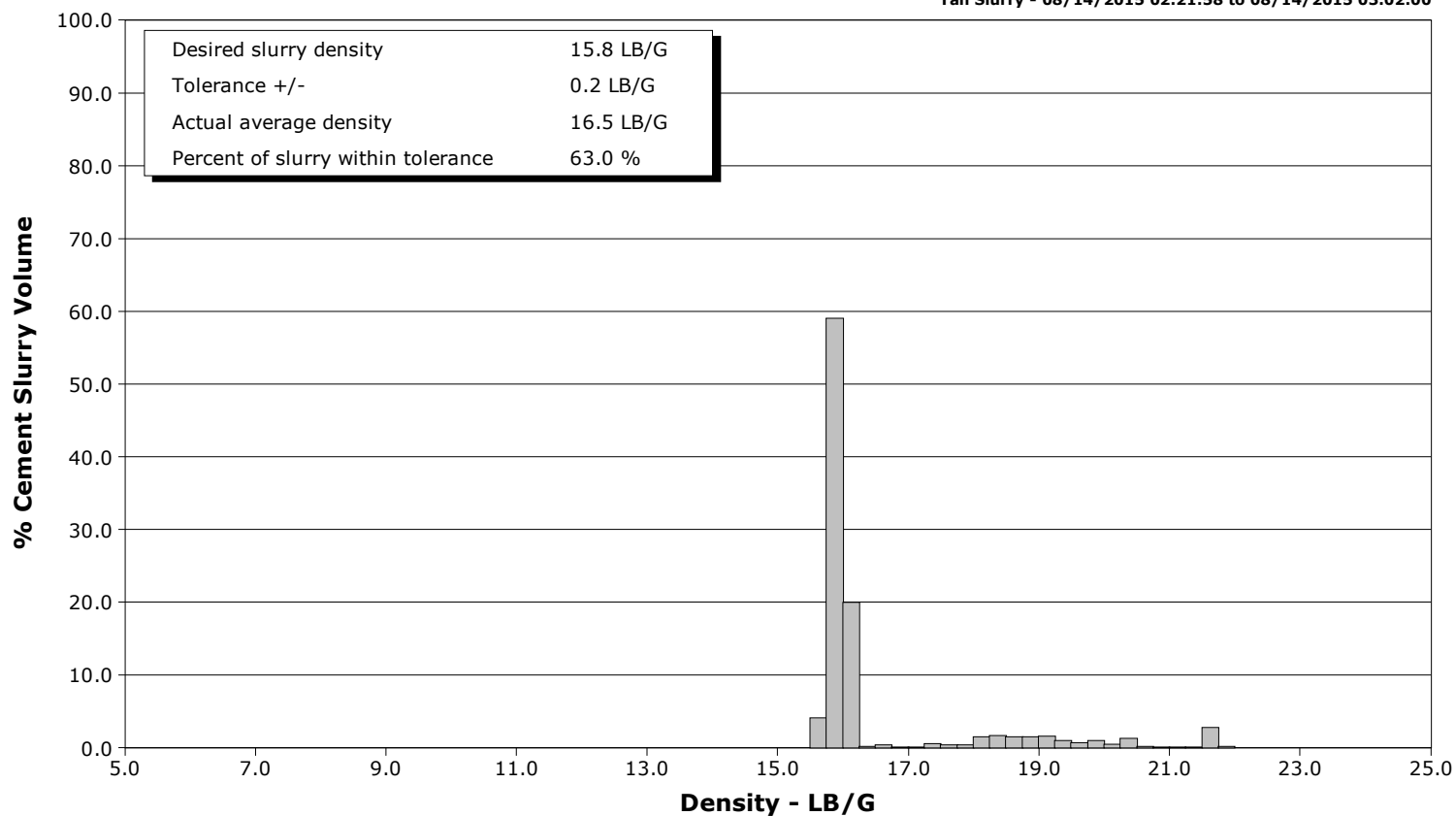
Well DT- Forbes 2-5-6
Field DJ
Engineer Justin Zika
Country United States

Client Extraction
SIR No. 2173752
Job Type Surface
Job Date 08-14-2015

Lead Slurry - 08/14/2015 02:21:55 to 08/14/2015 02:21:56



Tail Slurry - 08/14/2015 02:21:58 to 08/14/2015 03:02:00



Cementing Service Report

				Customer Extraction			Job Number 2173752	
Well DT- Forbes 2-5-6 DT FORBES 2-5-6			Location (legal) Cheyenne, WY			Schlumberger Location CWY		Job Start Aug/14/2015
Field DJ		Formation Name/Type Shale		Deviation deg		Bit Size 13.5 in		Well MD 1522.0 ft
County Weld		State/Province Colorado		BHP psi		BHST 100 degF		BHCT 84 degF
Well Master 0631648806		API/UWI 05123382960000						Pore Press. Gradient lb/gal
Rig Name White Mountain 344		Drilled For Oil		Service Via Land		Casing/Liner		
						Depth, ft	Size, in	Weight, lb/ft
								Grade
Offshore Zone		Well Class New		Well Type Development		1500.0	9.6	36.0
						0.0	0.0	0.0
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe		
						T/D	Depth, ft	Size, in
								Weight, lb/ft
								Grade
Service Line Cementing		Job Type Surface						
Max. Allowed Tub. Press 3500 psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole		
						Top, ft	Bottom, ft	shot/ft
								No. of Shots
								Total Interval ft
								Diameter in
						Treat Down Casing	Displacement 114.3 bbl	Packer Type
								Packer Depth ft
						Tubing Vol. bbl	Casing Vol. 117.6 bbl	Annular Vol. 134.0 bbl
								Openhole Vol. 254.0 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 753 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1522.0 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 Aug/14/2015 01:00		Arrived on Location Aug/14/2015 01:00		Leave Location Aug/14/2015 05:00		Collar Type Float		Tail Pipe Depth ft
						Collar Depth 1479.0 ft		Sqz. Total Vol. bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/14/2015	02:04:44	4	0.0	6.15	8.2	Started Acquisition		
08/14/2015	02:04:46	4	0.0	6.15	8.2	Start Job		
08/14/2015	02:04:48	4	0.0	6.15	8.2	Rig Up		
08/14/2015	02:04:52	4	0.0	6.15	8.2	Pressure Test Lines		
08/14/2015	02:04:54	4	0.0	6.15	8.2	Low Test 3106 = Good		
08/14/2015	02:06:24	4	0.0	8.41	8.2			
08/14/2015	02:08:04	12	0.0	8.41	2.3			
08/14/2015	02:09:44	2981	0.0	8.41	2.3			
08/14/2015	02:11:24	2886	0.0	8.41	2.3			
08/14/2015	02:13:04	3555	0.0	8.41	2.3			
08/14/2015	02:14:44	3492	0.0	8.41	2.3			
08/14/2015	02:16:24	86	3.7	8.41	2.8			
08/14/2015	02:17:42	79	3.6	8.41	7.4	Start Pumping Spacer		
08/14/2015	02:17:46	93	3.5	8.41	7.7	Pump 20 bbls Of H2O		
08/14/2015	02:17:47	77	3.5	8.41	7.7	Good Returns		
08/14/2015	02:18:04	84	3.6	8.41	8.8			
08/14/2015	02:19:44	78	3.5	8.41	14.6			
08/14/2015	02:21:24	93	3.5	8.41	20.6			
08/14/2015	02:21:46	121	3.5	15.56	21.9	End Spacer		
08/14/2015	02:21:55	116	3.5	15.59	22.4	Start Mixing Lead Slurry		
08/14/2015	02:21:56	169	3.6	15.59	22.4	End Lead Slurry		

Well			Field		Job Start	Customer	Job Number
DT- Forbes 2-5-6 DT FORBES 2-5-6			DJ		Aug/14/2015	Extraction	2173752
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
08/14/2015	02:22:02	109	3.6	15.59	22.8	Pump 183 bbls Of 15.8 ppg Cement	
08/14/2015	02:22:03	165	3.5	15.59	22.9	884 sks Y= 1.16	
08/14/2015	02:22:04	165	5.0	15.59	22.9	Water Sample # 005339	
08/14/2015	02:22:05	296	5.1	15.59	23.0	Good Returns	
08/14/2015	02:23:04	262	5.0	15.72	28.0		
08/14/2015	02:24:44	235	5.2	15.85	36.5		
08/14/2015	02:26:00	217	5.2	15.75	42.9	Issues W/ Downhole NRD	
08/14/2015	02:26:24	222	5.0	15.75	45.0		
08/14/2015	02:28:04	209	5.0	15.53	53.5		
08/14/2015	02:29:44	281	5.2	15.76	61.9		
08/14/2015	02:31:24	229	5.0	15.61	70.4		
08/14/2015	02:33:04	248	5.2	15.72	78.9		
08/14/2015	02:34:44	254	5.2	15.78	87.4		
08/14/2015	02:36:24	239	5.0	15.75	95.9		
08/14/2015	02:38:04	228	5.1	15.70	104.3		
08/14/2015	02:39:44	225	5.2	15.72	112.8		
08/14/2015	02:41:24	250	5.1	15.75	121.3		
08/14/2015	02:43:04	238	5.2	15.72	129.8		
08/14/2015	02:44:44	228	5.1	15.73	138.3		
08/14/2015	02:46:24	251	5.1	15.75	146.7		
08/14/2015	02:48:04	240	5.0	15.68	155.2		
08/14/2015	02:49:44	245	5.1	15.82	163.7		
08/14/2015	02:51:24	235	5.2	15.76	172.2		
08/14/2015	02:53:04	258	5.2	15.79	180.7		
08/14/2015	02:54:44	225	5.0	15.74	189.1		
08/14/2015	02:56:24	248	5.1	16.02	197.6		
08/14/2015	02:58:04	132	3.6	15.72	203.8		
08/14/2015	02:59:44	136	3.5	15.83	209.7		
08/14/2015	03:01:24	146	3.5	15.88	215.6		
08/14/2015	03:02:00	116	3.5	15.88	217.8	End Tail Slurry	
08/14/2015	03:03:04	-1	0.0	15.89	219.2		
08/14/2015	03:04:44	-1	0.0	15.87	219.2		
08/14/2015	03:06:24	4	0.0	12.02	219.2		
08/14/2015	03:08:04	133	5.1	9.54	221.7		
08/14/2015	03:09:44	107	5.1	8.79	230.1		
08/14/2015	03:11:21	112	5.2	8.53	238.3	Drop Top Plug	
08/14/2015	03:11:23	113	5.2	8.52	238.5	Start Displacement	
08/14/2015	03:11:24	116	5.1	8.51	238.6		
08/14/2015	03:11:36	130	5.0	8.48	239.6	Displace 114 bbls Of H2O	
08/14/2015	03:13:04	180	5.1	8.55	247.0		
08/14/2015	03:14:44	236	5.1	8.40	255.5		
08/14/2015	03:16:24	287	5.1	8.39	263.9		
08/14/2015	03:18:04	441	5.0	8.50	272.4		
08/14/2015	03:19:44	484	5.1	8.41	280.9		
08/14/2015	03:21:24	431	5.2	25.00	289.3		
08/14/2015	03:23:04	607	5.1	7.80	297.8		
08/14/2015	03:24:44	518	5.1	7.18	306.2		
08/14/2015	03:26:24	552	5.1	8.41	314.7		
08/14/2015	03:28:04	647	5.0	8.41	323.2		
08/14/2015	03:29:44	641	2.1	8.41	330.7		
08/14/2015	03:31:24	648	2.0	8.41	334.1		
08/14/2015	03:33:04	621	2.1	8.41	337.5		
08/14/2015	03:34:44	1446	0.0	8.41	340.2		
08/14/2015	03:35:04	1443	0.0	8.41	340.2	Bump Top Plug To 1443 PSI	

Well			Field		Job Start	Customer		Job Number
DT- Forbes 2-5-6 DT FORBES 2-5-6			DJ		Aug/14/2015	Extraction		2173752
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/14/2015	03:35:11	1443	0.0	8.41	340.2	Floats Held		
08/14/2015	03:35:12	1443	0.0	8.41	340.2	.5 bbls back		
08/14/2015	03:35:13	1443	0.0	8.41	340.2	Good Returns Through out Job		
08/14/2015	03:35:14	1443	0.0	8.41	340.2	Rig Down		
08/14/2015	03:36:24	1430	0.0	8.41	340.2			
08/14/2015	03:38:04	12	0.0	8.41	340.2			
08/14/2015	03:39:44	-1	0.0	8.41	340.2			
08/14/2015	03:41:24	53	0.0	8.41	340.2			
08/14/2015	03:43:04	3	0.0	8.47	340.2			
08/14/2015	03:44:44	6	0.0	8.41	340.2			
08/14/2015	03:46:24	19	2.1	8.42	341.7			
08/14/2015	03:48:04	6	0.0	8.41	343.0			
08/14/2015	03:49:44	5	0.0	8.41	343.0			
08/14/2015	03:51:24	6	0.0	0.01	343.0			
08/14/2015	03:53:04	6	0.0	0.01	343.0			
08/14/2015	03:54:44	6	0.0	0.01	343.0			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.4	N2	Mud	Maximum Rate 8.2	Total Slurry 183.0	Mud 0.0	Spacer 20.0	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3626	Final 658	Average 418	Bump Plug to 1443	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 183.0 bbl	Displacement 114.0 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 40.0 bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Jory Schaffer			Schlumberger Supervisor Justin Zika			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					