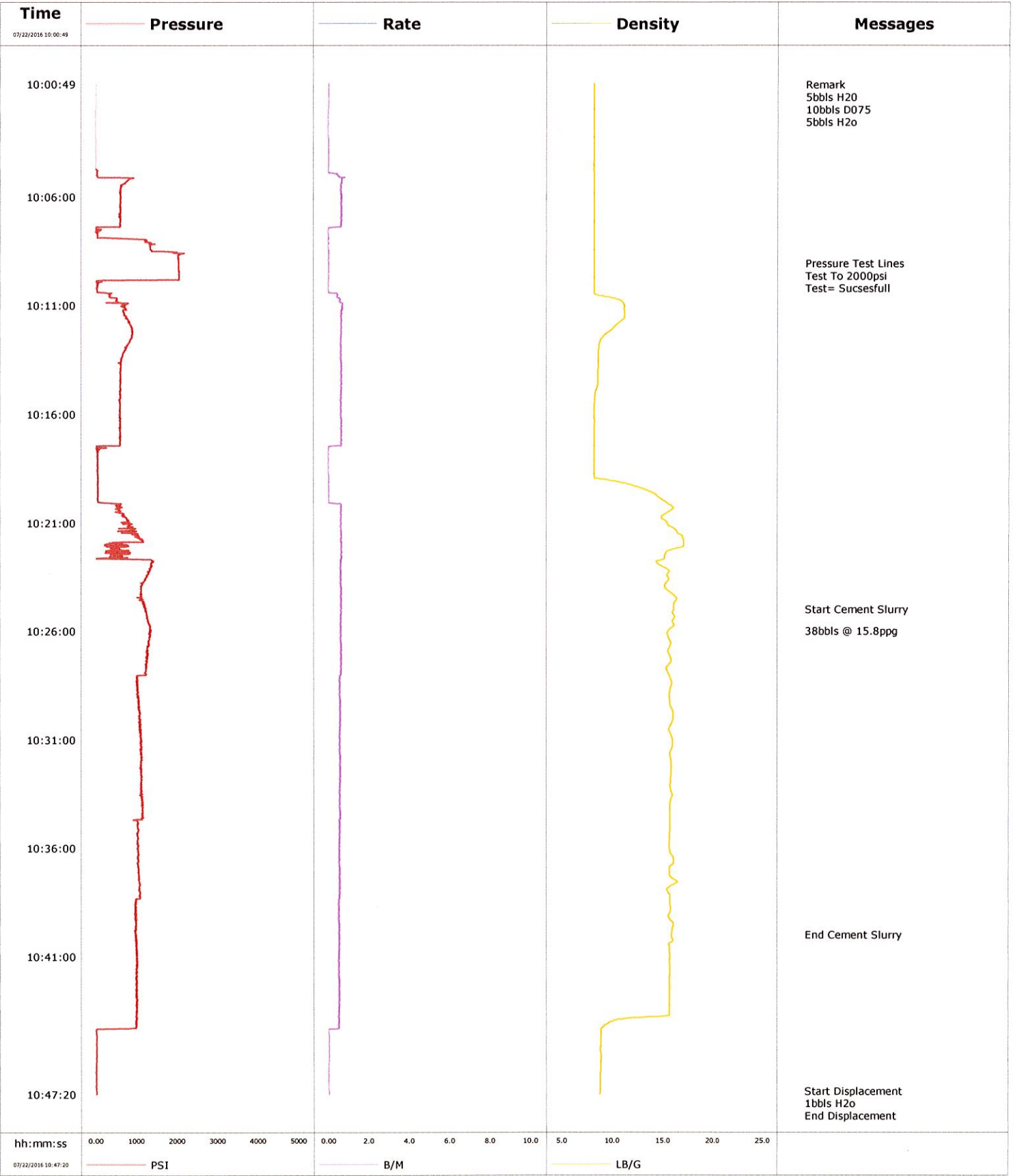




Cementing Job Report

CemCAT v1.3

Well	State 13-16	Client	APC
Field	DJ	SIR No.	BY53-00010
Engineer		Job Type	Annular Fill
Country	United States	Job Date	07-22-2016





Cementing Service Report

				Customer APC		Job Number BY53-00010	
Well State 13-16		Location (legal) Erie		Schlumberger Location CWY		Job Start Jul/22/2016	
Field DJ		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
County Weld		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient
Well Master 631058889		API/UWI					
Rig Name Workover	Drilled For Gas	Service Via Land	Casing/Liner				
			Depth,	Size,	Weight,	Grade	Thread
Offshore Zone	Well Class Old	Well Type Other					
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/ Drill Pipe			
				Depth,	Size,	Weight,	Grade Thread
Service Line Cementing	Job Type Annular Fill						
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection Swadge - 2 3/8"	Perforations/Open Hole				
			Top,	Bottom,		No. of Shots	Total Interval
							Diameter
			Treat Down Tubing	Displacement 1.0 bbl	Packer Type	Packer Depth	
			Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.	
Casing/Tubing Secured	<input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement	<input checked="" type="checkbox"/>	Casing Tools		Squeeze Job	
Lift Pressure				Shoe Type		Squeeze Type	
Pipe Rotated	<input type="checkbox"/>	Pipe Reciprocated	<input type="checkbox"/>	Shoe Depth		Tool Type	
No. Centralizers	Top Plugs	Bottom Plugs		Stage Tool Type		Tool Depth	
Cement Head Type				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Jul/22/2016	Arrived on Location Jul/22/2016	Leave Location Jul/22/2016		Collar Type		Tail Pipe Depth	
				Collar Depth		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/22/2016	08:50:38					Started Acquisition	
07/22/2016	10:00:46					Remark	
07/22/2016	10:00:47					Remark	
07/22/2016	10:00:47					Remark	
07/22/2016	10:00:47					Remark	
07/22/2016	10:00:47					Remark	
07/22/2016	10:00:49	-1	0.0	8.28	0.0		
07/22/2016	10:00:51					Remark	
07/22/2016	10:00:51					5bbls H2O	
07/22/2016	10:00:51	-1	0.0	8.28	0.0		
07/22/2016	10:00:52					10bbls D075	
07/22/2016	10:00:52					5bbls H2o	
07/22/2016	10:00:52	-1	0.0	8.28	0.0		
07/22/2016	10:02:38	-1	0.0	8.28	0.0		
07/22/2016	10:04:38	-1	0.0	8.25	0.0		
07/22/2016	10:06:38	622	0.6	8.28	1.1		
07/22/2016	10:08:38	2119	0.0	8.28	1.6		
07/22/2016	10:09:03					Pressure Test Lines	
07/22/2016	10:09:03	2059	0.0	8.28	1.6		
07/22/2016	10:09:04					Test To 2000psi	
07/22/2016	10:09:04	2054	0.0	8.28	1.6		

Well			Field	Job Start	Customer	Job Number
State 13-16 35-16			DJ	Jul/22/2016	APC	BY53-00010
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
07/22/2016	10:09:05	2054	0.0	8.28	1.6	
07/22/2016	10:10:38	370	0.5	9.83	1.7	
07/22/2016	10:12:38	851	0.6	8.86	3.0	
07/22/2016	10:14:38	617	0.6	8.60	4.3	
07/22/2016	10:16:38	626	0.6	8.28	5.6	
07/22/2016	10:18:38	59	0.0	8.27	6.1	
07/22/2016	10:20:38	663	0.7	15.16	6.4	
07/22/2016	10:22:38	191	0.6	15.18	7.7	
07/22/2016	10:24:38	1185	0.6	16.29	9.0	
07/22/2016	10:25:00					Start Cement Slurry
07/22/2016	10:25:00	1221	0.6	16.12	9.2	
07/22/2016	10:26:00					38bbbls @ 15.8ppg
07/22/2016	10:26:00	1368	0.6	15.58	9.8	
07/22/2016	10:26:38	1322	0.6	15.81	10.2	
07/22/2016	10:28:38	1038	0.6	15.79	11.4	
07/22/2016	10:30:38	1079	0.6	15.72	12.6	
07/22/2016	10:32:38	1121	0.6	15.85	13.7	
07/22/2016	10:34:38	1125	0.6	15.77	14.9	
07/22/2016	10:36:38	1052	0.6	16.10	16.0	
07/22/2016	10:38:38	983	0.5	15.76	17.1	
07/22/2016	10:40:00					End Cement Slurry
07/22/2016	10:40:00	988	0.5	15.90	17.8	
07/22/2016	10:40:38	992	0.5	15.72	18.1	
07/22/2016	10:42:38	1002	0.5	15.72	19.2	
07/22/2016	10:44:38	17	0.0	8.96	20.0	
07/22/2016	10:46:38	17	0.0	8.88	20.0	
07/22/2016	10:47:12					Start Displacement
07/22/2016	10:47:12	17	0.0	8.85	20.0	
07/22/2016	10:47:13					1bbbls H2o
07/22/2016	10:47:13	17	0.0	8.85	20.0	
07/22/2016	10:47:14					End Displacement

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	Cement Circulated to Surface?	Volume		
		38.0 bbl		73 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	
Nick Lang			Jason Crick			-	- <input checked="" type="checkbox"/>	