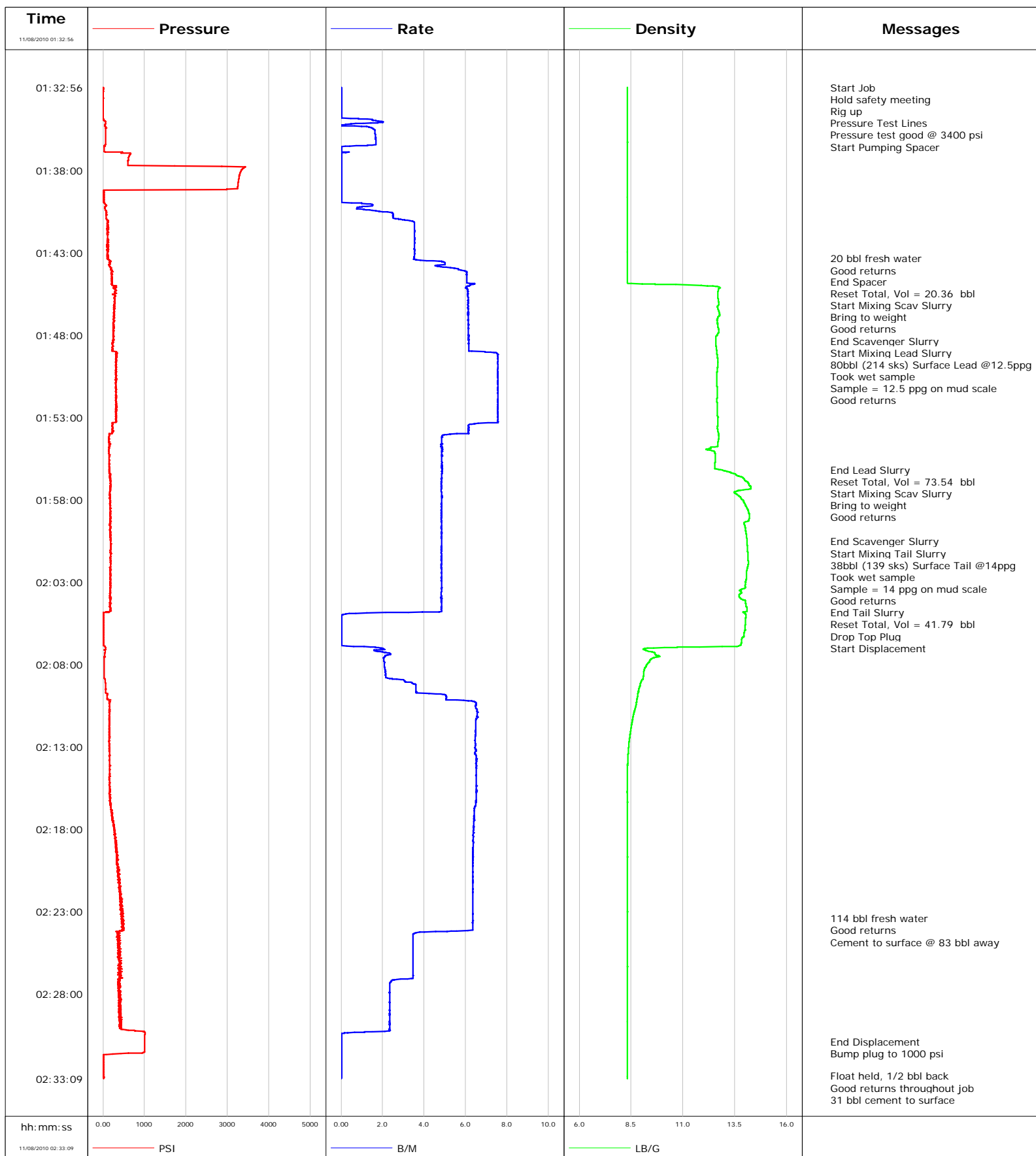


Well MF07D-9 E09 696
Field N Parachute
Engineer Dave Wanczyk
Country United States

Client Encana
SIR No. B708-00193
Job Type 9 5/8" Surface Casing
Job Date 11-08-2010





Cementing Service Report

				Customer Encana		Job Number B708-00193		
Well MF07D-9 E09 696			Location (legal)		Schlumberger Location Grand Junction, CO		Job Start Nov/08/2010	
Field N Parachute		Formation Name/Type Shale		Deviation	Bit Size	Well MD 1522.0 ft		Well TVD 1522.0 ft
County Garfield		State/Province Colorado		BHP	BHST 97 degF	BHCT 87 degF	Pore Press. Gradient	
Well Master 0631224239		API/UWI						
Rig Name Patterson 326	Drilled For Gas	Service Via Land	Casing/Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development	160.0	16.000	65.0	J55	8RD	
			1522.0	9.630	36.0	J55	8RD	
Drilling Fluid Type Bentonite		Max. Density 9.00 lb/gal	Plastic Viscosity 19.000 cP	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 9 5/8" Surface Casing							
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
							Diameter	
			Treat Down Casing	Displacement 114.1 bbl	Packer Type	Packer Depth		
			Tubing Vol.	Casing Vol. 117.7 bbl	Annular Vol. 98.0 bbl	Openhole Vol. 264.0 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 Guide		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 0	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Nov/08/2010		Arrived on Location Nov/08/2010	Leave Location Nov/08/2010	Collar Type Diff-Fill		Tail Pipe Depth		
				Collar Depth 1476.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/08/2010	01:13:28					Started Acquisition		
11/08/2010	01:32:56	0	0.0	8.33	0.0			
11/08/2010	01:32:57					Start Job		
11/08/2010	01:32:57	0	0.0	8.33	0.0			
11/08/2010	01:32:58					Hold safety meeting		
11/08/2010	01:32:58	0	0.0	8.33	0.0			
11/08/2010	01:32:59					Rig up		
11/08/2010	01:32:59	0	0.0	8.33	0.0			
11/08/2010	01:33:10					Pressure Test Lines		
11/08/2010	01:33:10	-0	0.0	8.33	0.0			
11/08/2010	01:33:12					Pressure test good @ 3400 psi		
11/08/2010	01:33:12	0	0.0	8.33	0.0			
11/08/2010	01:33:13					Start Pumping Spacer		
11/08/2010	01:33:13	-1	0.0	8.33	0.0			
11/08/2010	01:33:28	-0	0.0	8.33	0.0			
11/08/2010	01:35:08	63	1.1	8.33	0.5			
11/08/2010	01:36:48	30	0.0	8.33	2.4			
11/08/2010	01:38:28	3275	0.0	8.33	2.5			
11/08/2010	01:40:08	89	1.5	8.33	2.7			
11/08/2010	01:41:48	101	3.5	8.32	7.2			
11/08/2010	01:43:20					20 bbl fresh water		

Well MF07D-9 E09 696			Field N Parachute		Job Start Nov/08/2010		Customer Encana		Job Number B708-00193	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/08/2010	01:43:20	101	3.5	8.32	12.6					
11/08/2010	01:43:28	161	4.1	8.32	13.1					
11/08/2010	01:44:45					End Spacer				
11/08/2010	01:44:45	218	6.1	8.32	20.3					
11/08/2010	01:44:46					Reset Total, Vol = 20.36 bbl				
11/08/2010	01:44:46	218	6.1	8.32	20.4					
11/08/2010	01:44:52					Start Mixing Scav Slurry				
11/08/2010	01:44:52	221	6.4	8.50	21.0					
11/08/2010	01:44:56					Bring to weight				
11/08/2010	01:44:56	219	6.3	10.65	21.4					
11/08/2010	01:44:57					Good returns				
11/08/2010	01:44:57	219	6.2	11.28	21.5					
11/08/2010	01:45:08	298	6.0	12.76	22.6					
11/08/2010	01:46:48	276	6.1	12.77	32.8					
11/08/2010	01:47:55					End Scavenger Slurry				
11/08/2010	01:47:55	261	6.1	12.67	39.7					
11/08/2010	01:47:57					Start Mixing Lead Slurry				
11/08/2010	01:47:57	248	6.1	12.66	39.9					
11/08/2010	01:48:12					80bbl (214 sks) Surface Lead @12.5ppg				
11/08/2010	01:48:12	250	6.1	12.59	41.4					
11/08/2010	01:48:13					Took wet sample				
11/08/2010	01:48:13					Sample = 12.5 ppg on mud scale				
11/08/2010	01:48:13					Good returns				
11/08/2010	01:48:13	250	6.1	12.58	41.5					
11/08/2010	01:48:28	226	6.2	12.59	43.0					
11/08/2010	01:50:08	305	7.5	12.65	54.9					
11/08/2010	01:51:48	324	7.6	12.64	67.4					
11/08/2010	01:53:28	233	6.1	12.67	79.9					
11/08/2010	01:55:08	144	4.8	12.54	88.6					
11/08/2010	01:56:11					End Lead Slurry				
11/08/2010	01:56:11	148	4.9	12.83	93.7					
11/08/2010	01:56:13					Reset Total, Vol = 73.54 bbl				
11/08/2010	01:56:13	147	4.9	12.97	93.9					
11/08/2010	01:56:16					Start Mixing Scav Slurry				
11/08/2010	01:56:16	148	4.8	13.08	94.1					
11/08/2010	01:56:20					Bring to weight				
11/08/2010	01:56:20					Good returns				
11/08/2010	01:56:20	163	4.9	13.29	94.5					
11/08/2010	01:56:48	187	4.8	13.97	96.7					
11/08/2010	01:58:28	173	4.8	14.07	104.8					
11/08/2010	02:00:08	172	4.8	14.05	112.9					
11/08/2010	02:00:32					End Scavenger Slurry				
11/08/2010	02:00:32	180	4.9	14.09	114.8					
11/08/2010	02:00:33					Start Mixing Tail Slurry				
11/08/2010	02:00:33	180	4.9	14.09	114.9					
11/08/2010	02:00:36					38bbl (139 sks) Surface Tail @14ppg				
11/08/2010	02:00:36					Took wet sample				
11/08/2010	02:00:36	184	4.8	14.09	115.1					
11/08/2010	02:00:37					Sample = 14 ppg on mud scale				
11/08/2010	02:00:37					Good returns				
11/08/2010	02:00:37	184	4.8	14.09	115.2					
11/08/2010	02:01:48	187	4.8	14.14	120.9					
11/08/2010	02:03:28	169	4.9	13.77	129.0					
11/08/2010	02:04:33					End Tail Slurry				

Well			Field		Job Start		Customer		Job Number	
MF07D-9 E09 696			N Parachute		Nov/08/2010		Encana		B708-00193	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/08/2010	02:04:54					Reset Total, Vol = 41.79 bbl				
11/08/2010	02:04:54	9	0.7	13.98	135.7					
11/08/2010	02:04:56					Drop Top Plug				
11/08/2010	02:04:56					Start Displacement				
11/08/2010	02:04:56	11	0.2	14.01	135.7					
11/08/2010	02:05:08	7	0.0	14.03	135.7					
11/08/2010	02:06:48	7	0.0	13.79	135.7					
11/08/2010	02:08:28	29	2.1	9.11	138.9					
11/08/2010	02:10:08	109	5.0	8.78	144.7					
11/08/2010	02:11:48	148	6.5	8.51	155.5					
11/08/2010	02:13:28	156	6.5	8.36	166.3					
11/08/2010	02:15:08	158	6.5	8.32	177.2					
11/08/2010	02:16:48	195	6.4	8.33	188.0					
11/08/2010	02:18:28	291	6.4	8.32	198.6					
11/08/2010	02:20:08	347	6.3	8.32	209.3					
11/08/2010	02:21:48	428	6.4	8.32	219.8					
11/08/2010	02:23:25					114 bbl fresh water				
11/08/2010	02:23:25					Good returns				
11/08/2010	02:23:25	462	6.4	8.32	230.1					
11/08/2010	02:23:27					Cement to surface @ 83 bbl away				
11/08/2010	02:23:27	441	6.4	8.32	230.3					
11/08/2010	02:23:28	486	6.3	8.32	230.4					
11/08/2010	02:25:08	360	3.5	8.32	238.4					
11/08/2010	02:26:48	420	3.5	8.32	244.1					
11/08/2010	02:28:28	405	2.3	8.32	248.4					
11/08/2010	02:30:08	446	2.3	8.33	252.3					
11/08/2010	02:30:55					End Displacement				
11/08/2010	02:30:55	1007	0.0	8.33	252.8					
11/08/2010	02:31:00					Bump plug to 1000 psi				
11/08/2010	02:31:00	1008	0.0	8.33	252.8					
11/08/2010	02:31:48	4	0.0	8.33	252.8					
11/08/2010	02:32:59					Float held, 1/2 bbl back				
11/08/2010	02:32:59					Good returns throughout job				
11/08/2010	02:32:59					31 bbl cement to surface				
11/08/2010	02:32:59	3	0.0	8.33	252.8					
11/08/2010	02:33:07					End Job				
11/08/2010	02:33:07	19	0.0	8.33	252.8					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.8	N2	Mud	Maximum Rate 7.8	Total Slurry 119.0	Mud	Spacer 20.0	N2	
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum 3400	Final 0	Average 350	Bump Plug to 1000	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 119.0 bbl		Displacement 114.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 31.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative Craig Weiland			Schlumberger Supervisor Dave Wanczyk			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	