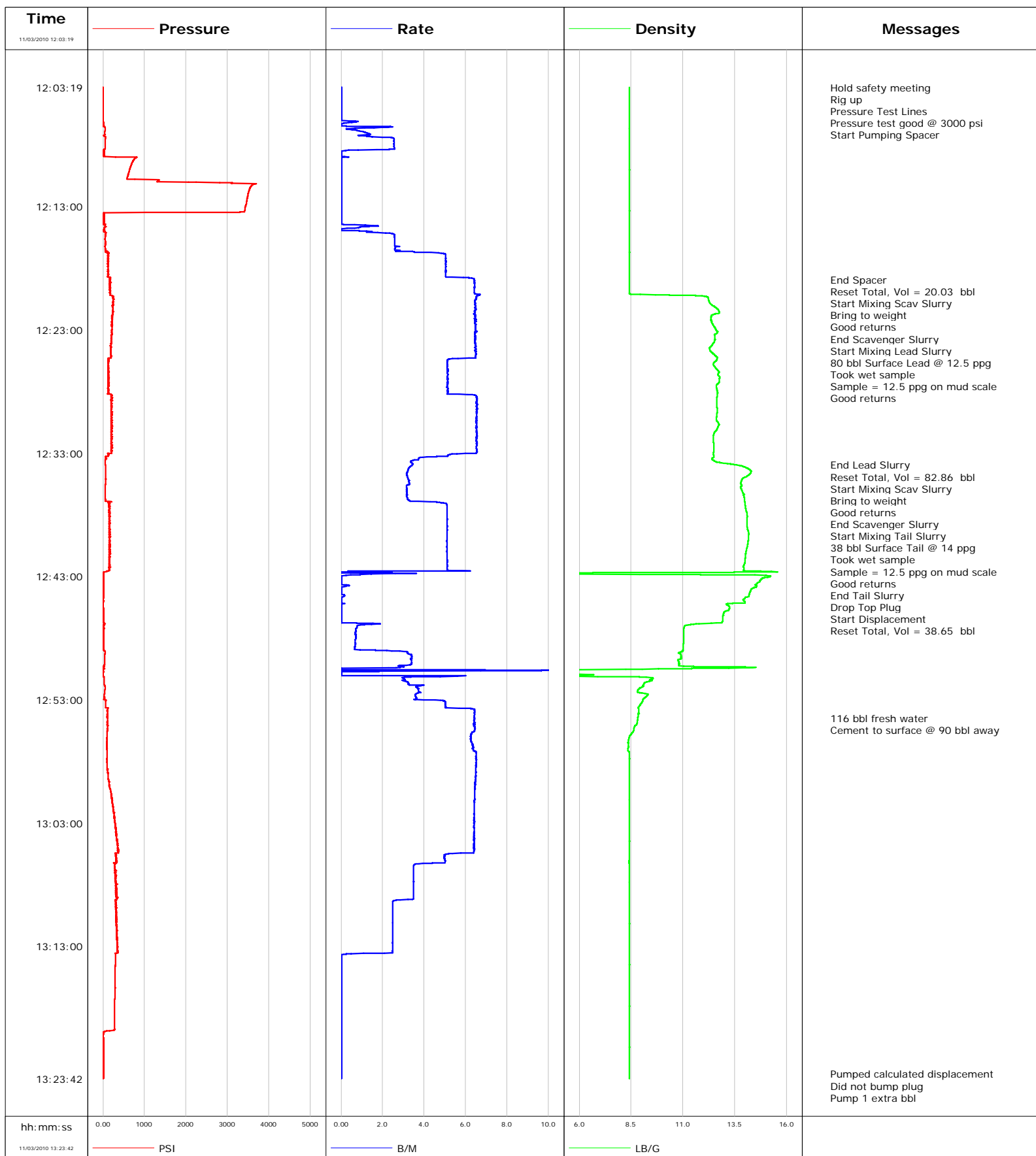


Well MF10C E09 696
Field N Parachute
Engineer Dave Wanczyk
Country United States

Client Encana
SIR No. B708-00188
Job Type 9 5/8" Surface Casing
Job Date 11-03-2010



Cementing Service Report

				Customer		Job Number		
				Encana		B708-00188		
Well MF10C E09 696			Location (legal)		Schlumberger Location Grand Junction, CO		Job Start Nov/03/2010	
Field N Parachute		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1550.0 ft	Well TVD 1550.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 97 degF	BHCT 87 degF	Pore Press. Gradient	
Well Master 0631224069		API /UWI						
Rig Name		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
				1534.0	9.630	36.0	J55	8RD
Drilling Fluid Type Bentonite		Max. Density 8.90 lb/gal	Plastic Viscosity 21.000 cP	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type 9 5/8" Surface Casing						
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi	WH Connection Single Cement head	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
								Diameter
				Treat Down Casing	Displacement 115.1 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 118.7 bbl	Annular Vol. 98.0 bbl	Openhole Vol. 266.0 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 759 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1534.0 ft		Tool Type		
No. Centralizers 1		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/03/2010		Arrived on Location Nov/03/2010		Leave Location Nov/03/2010		Collar Type Diff-Fill		Tail Pipe Depth
						Collar Depth 1488.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/03/2010	02:11:45					Started Acquisition		
11/03/2010	12:03:18					Start Job		
11/03/2010	12:03:19					Hold safety meeting		
11/03/2010	12:03:19	-2	0.0	8.41	0.0			
11/03/2010	12:03:20					Rig up		
11/03/2010	12:03:20	-2	0.0	8.41	0.0			
11/03/2010	12:03:21					Pressure Test Lines		
11/03/2010	12:03:21	-2	0.0	8.41	0.0			
11/03/2010	12:03:22					Pressure test good @ 3000 psi		
11/03/2010	12:03:22	-2	0.0	8.41	0.0			
11/03/2010	12:03:25	-2	0.0	8.41	0.0			
11/03/2010	12:03:26					Start Pumping Spacer		
11/03/2010	12:03:26	-2	0.0	8.41	0.0			
11/03/2010	12:05:05	-3	0.0	8.41	0.0			
11/03/2010	12:06:45	51	0.4	8.41	0.5			
11/03/2010	12:08:25	26	0.8	8.41	3.8			
11/03/2010	12:10:05	638	0.0	8.41	3.8			
11/03/2010	12:11:45	3516	0.0	8.41	3.8			
11/03/2010	12:13:25	3408	0.0	8.41	3.8			
11/03/2010	12:15:05	47	1.2	8.41	4.3			
11/03/2010	12:16:45	126	4.7	8.41	8.7			

Well			Field		Job Start		Customer		Job Number	
MF10C E09 696			N Parachute		Nov/03/2010		Encana		B708-00188	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/03/2010	12:18:55					End Spacer				
11/03/2010	12:18:55	163	6.4	8.41	19.8					
11/03/2010	12:18:57					Reset Total, Vol = 20.03 bbl				
11/03/2010	12:18:57	164	6.4	8.41	20.0					
11/03/2010	12:19:00					Start Mixing Scav Slurry				
11/03/2010	12:19:00	162	6.4	8.41	20.3					
11/03/2010	12:19:30					Bring to weight				
11/03/2010	12:19:30	167	6.4	8.41	23.6					
11/03/2010	12:19:31					Good returns				
11/03/2010	12:19:31	167	6.4	8.41	23.7					
11/03/2010	12:20:05	170	6.5	8.41	27.3					
11/03/2010	12:21:45	231	6.4	12.44	38.1					
11/03/2010	12:22:00					End Scavenger Slurry				
11/03/2010	12:22:00	229	6.5	12.35	39.7					
11/03/2010	12:22:02					Start Mixing Lead Slurry				
11/03/2010	12:22:02	211	6.5	12.35	40.0					
11/03/2010	12:23:25	211	6.5	12.52	48.9					
11/03/2010	12:23:27					80 bbl Surface Lead @ 12.5 ppg				
11/03/2010	12:23:27					Took wet sample				
11/03/2010	12:23:27	202	6.5	12.53	49.1					
11/03/2010	12:23:28					Sample = 12.5 ppg on mud scale				
11/03/2010	12:23:28					Good returns				
11/03/2010	12:23:28	209	6.5	12.53	49.2					
11/03/2010	12:25:05	198	6.5	12.56	59.7					
11/03/2010	12:26:45	137	5.1	12.74	68.5					
11/03/2010	12:28:25	200	6.5	12.65	77.4					
11/03/2010	12:30:05	205	6.5	12.61	88.3					
11/03/2010	12:31:45	205	6.5	12.47	99.1					
11/03/2010	12:33:25	70	3.7	12.39	109.3					
11/03/2010	12:33:55					End Lead Slurry				
11/03/2010	12:33:55	60	3.4	13.49	111.1					
11/03/2010	12:33:57					Reset Total, Vol = 82.86 bbl				
11/03/2010	12:33:57	60	3.4	13.58	111.2					
11/03/2010	12:33:58					Start Mixing Scav Slurry				
11/03/2010	12:33:58	60	3.4	13.65	111.2					
11/03/2010	12:33:59					Bring to weight				
11/03/2010	12:33:59	62	3.4	13.70	111.3					
11/03/2010	12:34:00					Good returns				
11/03/2010	12:34:00	61	3.4	13.76	111.3					
11/03/2010	12:35:05	62	3.2	13.86	114.8					
11/03/2010	12:36:45	60	3.2	13.96	120.2					
11/03/2010	12:37:49					End Scavenger Slurry				
11/03/2010	12:37:49	154	5.1	14.08	125.3					
11/03/2010	12:37:53					Start Mixing Tail Slurry				
11/03/2010	12:37:53	160	5.1	14.09	125.6					
11/03/2010	12:37:55					38 bbl Surface Tail @ 14 ppg				
11/03/2010	12:37:55					Took wet sample				
11/03/2010	12:37:55	171	5.1	14.09	125.8					
11/03/2010	12:37:56					Sample = 12.5 ppg on mud scale				
11/03/2010	12:37:56					Good returns				
11/03/2010	12:37:56	151	5.1	14.09	125.9					
11/03/2010	12:38:25	157	5.1	14.08	128.3					
11/03/2010	12:40:05	150	5.1	14.14	136.9					
11/03/2010	12:41:45	162	5.1	14.00	145.4					

Well MF10C E09 696			Field N Parachute		Job Start Nov/03/2010		Customer Encana		Job Number B708-00188	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
11/03/2010	12:43:53								End Tail Slurry	
11/03/2010	12:43:53	5		0.0	14.45		149.8			
11/03/2010	12:44:02								Drop Top Plug	
11/03/2010	12:44:02	5		0.0	14.29		149.8			
11/03/2010	12:44:04								Start Displacement	
11/03/2010	12:44:04	5		0.0	14.28		149.8			
11/03/2010	12:44:11								Reset Total, Vol = 38.65 bbl	
11/03/2010	12:44:11	5		0.0	14.25		149.8			
11/03/2010	12:45:05	-0		0.0	13.99		149.8			
11/03/2010	12:46:45	16		0.0	12.88		149.9			
11/03/2010	12:48:25	4		0.7	11.02		151.1			
11/03/2010	12:50:05	42		3.4	10.81		155.2			
11/03/2010	12:51:45	29		3.2	9.11		159.5			
11/03/2010	12:53:25	62		5.0	8.93		166.1			
11/03/2010	12:54:30								116 bbl fresh water	
11/03/2010	12:54:30	117		6.4	8.82		172.7			
11/03/2010	12:54:31								Cement to surface @ 90 bbl away	
11/03/2010	12:54:31	109		6.4	8.82		172.8			
11/03/2010	12:55:05	114		6.4	8.69		176.5			
11/03/2010	12:56:45	96		6.4	8.38		187.0			
11/03/2010	12:58:25	101		6.5	8.41		197.8			
11/03/2010	13:00:05	159		6.4	8.41		208.6			
11/03/2010	13:01:45	244		6.4	8.41		219.3			
11/03/2010	13:03:25	319		6.4	8.41		230.0			
11/03/2010	13:05:05	361		6.4	8.41		240.7			
11/03/2010	13:06:45	287		3.5	8.41		248.8			
11/03/2010	13:08:25	317		3.5	8.41		254.6			
11/03/2010	13:10:05	317		2.5	8.41		259.5			
11/03/2010	13:11:45	328		2.5	8.41		263.7			
11/03/2010	13:13:25	338		2.5	8.41		267.8			
11/03/2010	13:15:05	295		0.0	8.41		268.2			
11/03/2010	13:16:45	288		0.0	8.41		268.2			
11/03/2010	13:18:25	282		0.0	8.41		268.2			
11/03/2010	13:20:05	2		0.0	8.41		268.2			
11/03/2010	13:21:45	1		0.0	8.41		268.2			
11/03/2010	13:23:20								Pumped calculated displacement	
11/03/2010	13:23:20								Did not bump plug	
11/03/2010	13:23:20								Pump 1 extra bbl	
11/03/2010	13:23:20	1		0.0	8.41		268.2			
11/03/2010	13:23:21								Did not bump plug	
11/03/2010	13:23:21	1		0.0	8.41		268.2			
11/03/2010	13:23:24								End Displacement	
11/03/2010	13:23:24	1		0.0	8.41		268.2			
11/03/2010	13:23:25								Bleed off pressure	
11/03/2010	13:23:25	1		0.0	8.41		268.2			
11/03/2010	13:23:26								Float held, 1 bbl back	
11/03/2010	13:23:26	1		0.0	8.41		268.2			
11/03/2010	13:23:27								Good returns throughout job	
11/03/2010	13:23:27	1		0.0	8.41		268.2			
11/03/2010	13:23:28								26 bbl cement to surface	
11/03/2010	13:23:28	1		0.0	8.41		268.2			
11/03/2010	13:23:30								End Job	
11/03/2010	13:23:30	1		0.0	8.41		268.2			

Well MF10C E09 696	Field N Parachute	Job Start Nov/03/2010	Customer Encana	Job Number B7O8-00188
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.0	N2	Mud	Maximum Rate 8.2	Total Slurry 119.0	Mud	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3000	Final 0	Average 350	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 119.0 bbl		Displacement 115.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 26.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Norman McCreary			Schlumberger Supervisor Dave Wanczyk			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	