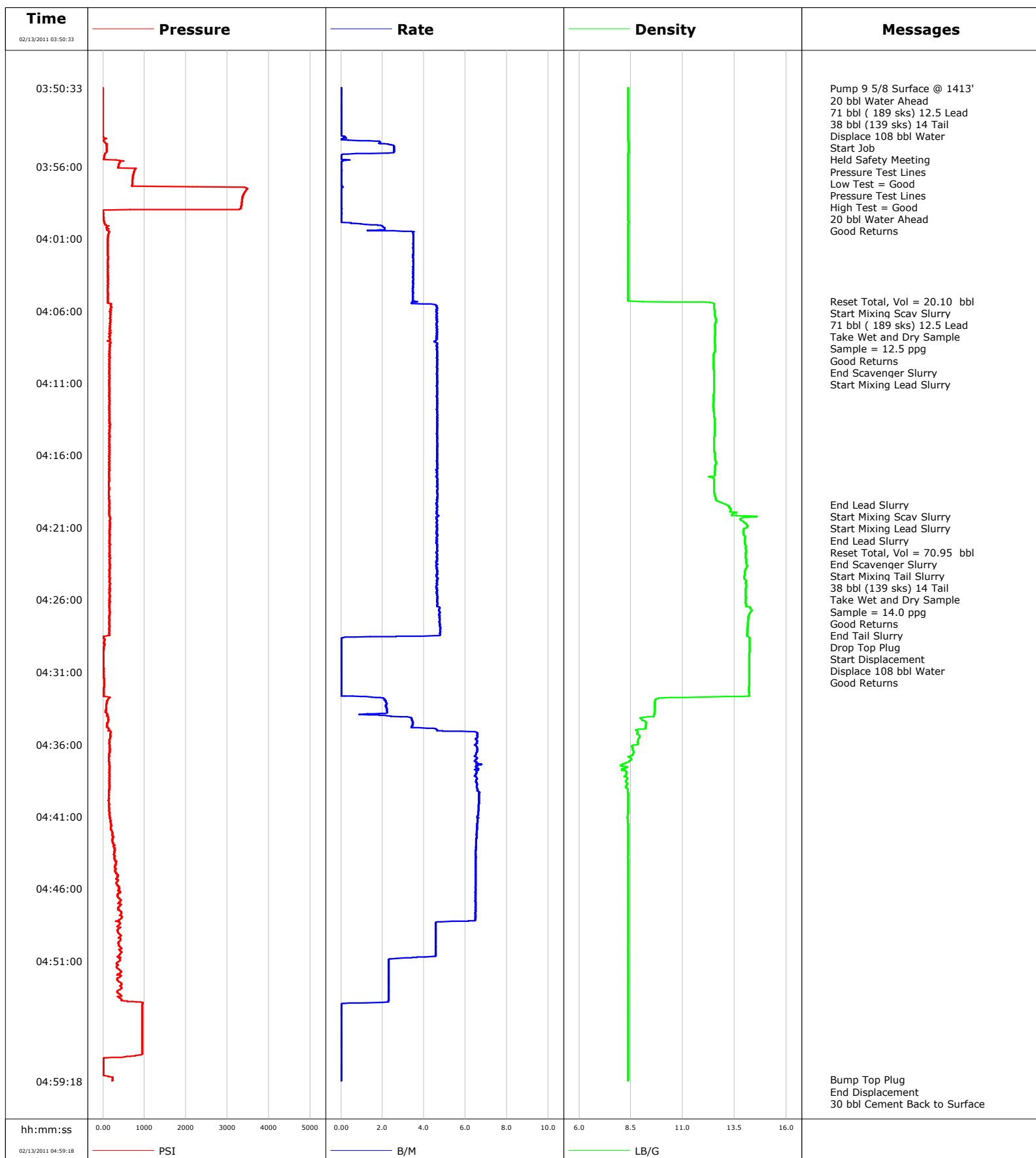


**Well** MF11A-16 H17 696  
**Field** N Parachute  
**Engineer** Tom Leduc  
**Country** United States

**Client** Encana  
**SIR No.**  
**Job Type** 9 5/8 Surface  
**Job Date** 02-13-2011



# Cementing Service Report

				Customer Encana			Job Number BAD4-00299				
Well MF11A-16 H17 696 MF11A-16 H17 696			Location (legal) N Parachute			Schlumberger Location Grand Junction			Job Start Feb/13/2011		
Field N Parachute		Formation Name/Type Shale		Deviation 0 deg		Bit Size 12.3 in		Well MD 1413.0 ft		Well TVD 1410.0 ft	
County Garfield		State/Province Colorado		BHP		BHST 99 degF		BHCT 86 degF		Pore Press. Gradient	
Well Master 0631240396		API/UWI									
Rig Name Patterson 303		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		1413.0		9.630		36.0	
						0.0		0.000		0.0	
Drilling Fluid Type Bentonite		Max. Density 9.20 lb/gal		Plastic Viscosity 7.000 cP		Tubing/Drill Pipe					
						Depth,		Size,		Weight,	
										Grade	
										Thread	
Service Line Cementing		Job Type 9 5/8 Surface									
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press 500 psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top,		Bottom,		No. of Shots	
										Total Interval	
										Diameter	
						Treat Down Casing		Displacement 108.0 bbl		Packer Type	
										Packer Depth	
						Tubing Vol.		Casing Vol. 108.0 bbl		Annular Vol. 88.0 bbl	
										Openhole Vol. 207.0 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 699 psi				Shoe Type Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1389.0 ft				Tool Type			
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth	
Cement Head Type Single				Stage Tool Depth				Tail Pipe Size			
Job Scheduled For Feb/13/2011 02:30		Arrived on Location Feb/13/2011 02:30		Leave Location Feb/13/2011 05:30		Collar Type Float				Tail Pipe Depth	
						Collar Depth 1413.0 ft				Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
02/13/2011	03:50:33	-3	0.0	8.38	0.0						
02/13/2011	03:50:36					Pump 9 5/8 Surface @ 1413'					
02/13/2011	03:50:36					20 bbl Water Ahead					
02/13/2011	03:50:36					71 bbl ( 189 sks) 12.5 Lead					
02/13/2011	03:50:36					38 bbl (139 sks) 14 Tail					
02/13/2011	03:50:36	-2	0.0	8.37	0.0						
02/13/2011	03:50:37					Displace 108 bbl Water					
02/13/2011	03:50:37	-2	0.0	8.38	0.0						
02/13/2011	03:50:38					Start Job					
02/13/2011	03:50:38	-2	0.0	8.37	0.0						
02/13/2011	03:50:40					Held Safety Meeting					
02/13/2011	03:50:40	-2	0.0	8.38	0.0						
02/13/2011	03:50:42					Pressure Test Lines					
02/13/2011	03:50:42	-2	0.0	8.38	0.0						
02/13/2011	03:50:44					Low Test = Good					
02/13/2011	03:50:44	-3	0.0	8.37	0.0						
02/13/2011	03:50:45					Pressure Test Lines					
02/13/2011	03:50:45	-3	0.0	8.38	0.0						
02/13/2011	03:50:47					High Test = Good					
02/13/2011	03:50:47	-2	0.0	8.37	0.0						
02/13/2011	03:50:48					20 bbl Water Ahead					

Well MF11A-16 H17 696 MF11A-16 H17 696			Field N Parachute		Job Start Feb/13/2011	Customer Encana	Job Number BAD4-00299
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/13/2011	03:50:48	-3	0.0	8.38	0.0		
02/13/2011	03:53:03	-1	0.0	8.38	0.0		
02/13/2011	03:55:33	39	0.2	8.38	2.2		
02/13/2011	03:58:03	3377	0.0	8.38	2.3		
02/13/2011	04:00:33	153	3.5	8.37	3.5		
02/13/2011	04:03:03	126	3.5	8.37	12.2		
02/13/2011	04:05:19					Reset Total, Vol = 20.10 bbl	
02/13/2011	04:05:19	128	3.4	8.36	20.1		
02/13/2011	04:05:24					Start Mixing Scav Slurry	
02/13/2011	04:05:24	125	3.5	11.39	20.4		
02/13/2011	04:05:28					71 bbl ( 189 sks) 12.5 Lead	
02/13/2011	04:05:28					Take Wet and Dry Sample	
02/13/2011	04:05:28	126	3.4	12.46	20.6		
02/13/2011	04:05:29					Sample = 12.5 ppg	
02/13/2011	04:05:29					Good Returns	
02/13/2011	04:05:29	119	3.4	12.50	20.7		
02/13/2011	04:05:33	189	4.4	12.52	20.9		
02/13/2011	04:06:44					End Scavenger Slurry	
02/13/2011	04:06:44	172	4.6	12.61	26.4		
02/13/2011	04:06:45					Start Mixing Lead Slurry	
02/13/2011	04:06:45	169	4.6	12.61	26.5		
02/13/2011	04:08:03	167	4.6	12.54	32.5		
02/13/2011	04:10:33	148	4.6	12.51	44.0		
02/13/2011	04:13:03	149	4.6	12.50	55.6		
02/13/2011	04:15:33	149	4.6	12.50	67.2		
02/13/2011	04:18:03	137	4.6	12.50	78.8		
02/13/2011	04:19:24					End Lead Slurry	
02/13/2011	04:19:24	152	4.6	13.08	85.0		
02/13/2011	04:19:25					Start Mixing Scav Slurry	
02/13/2011	04:19:25	152	4.6	13.08	85.1		
02/13/2011	04:19:32					Start Mixing Lead Slurry	
02/13/2011	04:19:32					End Lead Slurry	
02/13/2011	04:19:32	149	4.6	13.23	85.6		
02/13/2011	04:20:33	163	4.6	13.90	90.4		
02/13/2011	04:20:42					Reset Total, Vol = 70.95 bbl	
02/13/2011	04:20:42	163	4.6	14.03	91.0		
02/13/2011	04:20:44					End Scavenger Slurry	
02/13/2011	04:20:44	167	4.6	14.05	91.2		
02/13/2011	04:20:46					Start Mixing Tail Slurry	
02/13/2011	04:20:46	163	4.6	14.07	91.4		
02/13/2011	04:20:47					38 bbl (139 sks) 14 Tail	
02/13/2011	04:20:47	171	4.6	14.07	91.4		
02/13/2011	04:20:48					Take Wet and Dry Sample	
02/13/2011	04:20:48					Sample = 14.0 ppg	
02/13/2011	04:20:48					Good Returns	
02/13/2011	04:20:48	172	4.6	14.08	91.5		
02/13/2011	04:23:03	158	4.6	14.03	101.9		
02/13/2011	04:25:33	157	4.6	14.03	113.5		
02/13/2011	04:27:41					End Tail Slurry	
02/13/2011	04:27:41	151	4.7	14.14	123.5		
02/13/2011	04:27:43					Drop Top Plug	
02/13/2011	04:27:43	152	4.8	14.14	123.7		
02/13/2011	04:27:44					Start Displacement	
02/13/2011	04:27:44	153	4.8	14.14	123.7		

Well			Field		Job Start		Customer		Job Number	
MF11A-16 H17 696 MF11A-16 H17 696			N Parachute		Feb/13/2011		Encana		BAD4-00299	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
02/13/2011	04:27:46							Good Returns		
02/13/2011	04:27:46	155		4.8	14.15		123.9			
02/13/2011	04:28:03	150		4.8	14.13		125.3			
02/13/2011	04:30:33	8		0.0	14.21		127.6			
02/13/2011	04:33:03	96		2.2	9.65		128.3			
02/13/2011	04:35:33	178		6.6	8.91		137.2			
02/13/2011	04:38:03	159		6.5	8.28		153.5			
02/13/2011	04:40:33	156		6.6	8.37		170.0			
02/13/2011	04:43:03	258		6.5	8.36		186.4			
02/13/2011	04:45:33	327		6.5	8.36		202.6			
02/13/2011	04:48:03	430		6.5	8.36		218.8			
02/13/2011	04:50:33	399		4.6	8.36		230.6			
02/13/2011	04:53:03	352		2.3	8.36		236.9			
02/13/2011	04:55:33	944		0.0	8.36		238.9			
02/13/2011	04:58:03	11		0.0	8.36		238.9			
02/13/2011	04:59:13							Bump Top Plug		
02/13/2011	04:59:13	238		0.0	8.36		238.9			
02/13/2011	04:59:14							End Displacement		
02/13/2011	04:59:14	241		0.0	8.36		238.9			
02/13/2011	04:59:15							30 bbl Cement Back to Surface		
02/13/2011	04:59:15							Bump Plug to 900 psi		
02/13/2011	04:59:15							Bled off Pressure		
02/13/2011	04:59:15							Floats Held		
02/13/2011	04:59:15	231		0.0	8.36		238.9			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 3.7	N2	Mud 0.0	Maximum Rate 6.8		Total Slurry 238.9	Mud 0.0	Spacer 26.4		N2			
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3478	Final 900	Average 311	Bump Plug to 900	Breakdown	Type FreshWater		Volume 284.0 bbl		Density 8.34 lb/gal			
Avg. N2 Percent		Designed Slurry Volume 109.0 bbl		Displacement 115.3 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume		
								Washed Thru Perfs		<input type="checkbox"/>	To	
Customer or Authorized Representative Mike Quintana				Schlumberger Supervisor Tom Leduc				Circulation Lost		<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-			-	