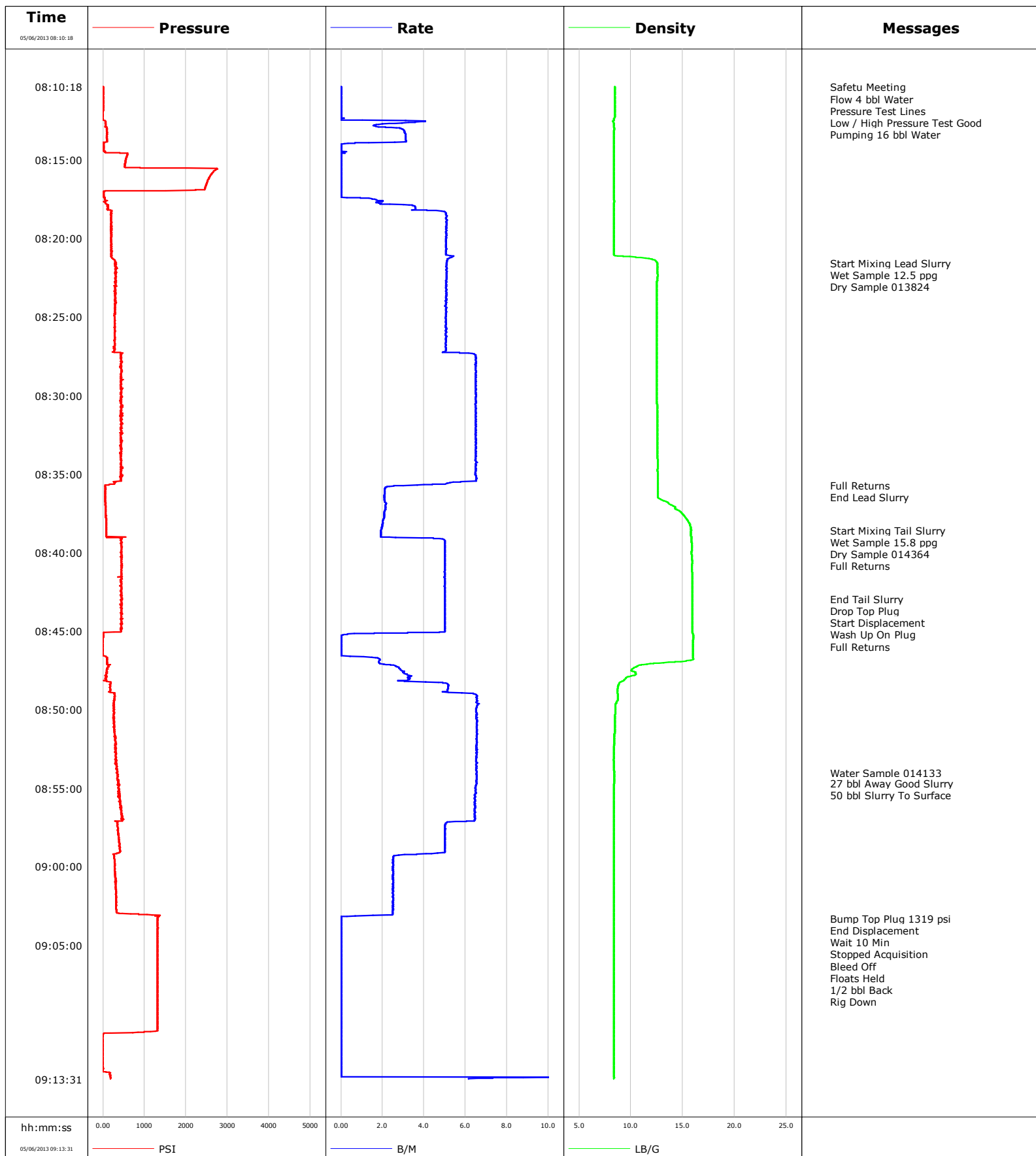


Well ALP FEE 24-6A
Field Mamm Creek
Engineer Travis Willardson / Cole Fairbrook
Country United States

Client EnCana
SIR No. CFAO-00425
Job Type 9 5/8 Surface
Job Date 05-06-2013

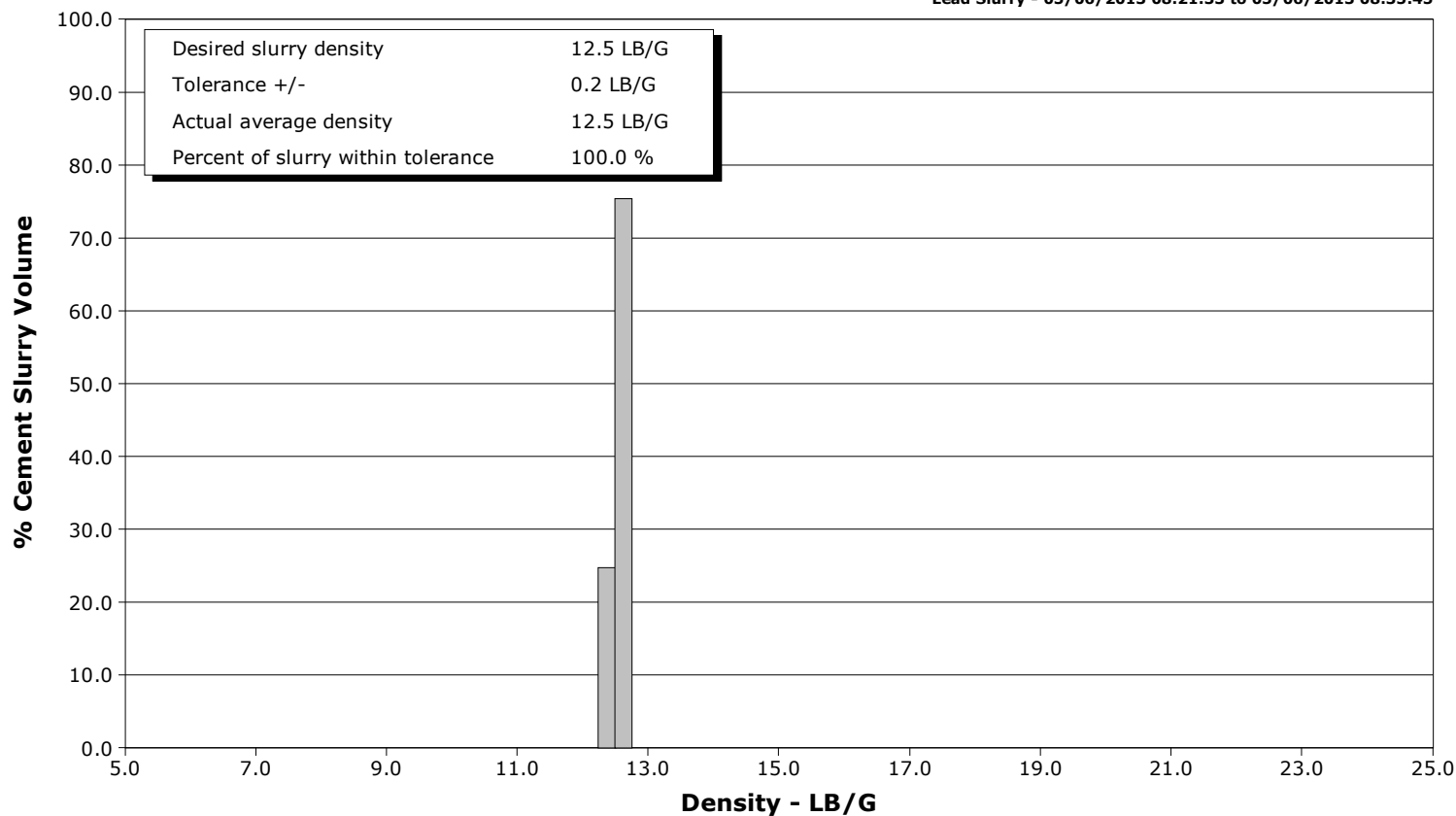


Schlumberger Cementing Qa/Qc Density Report

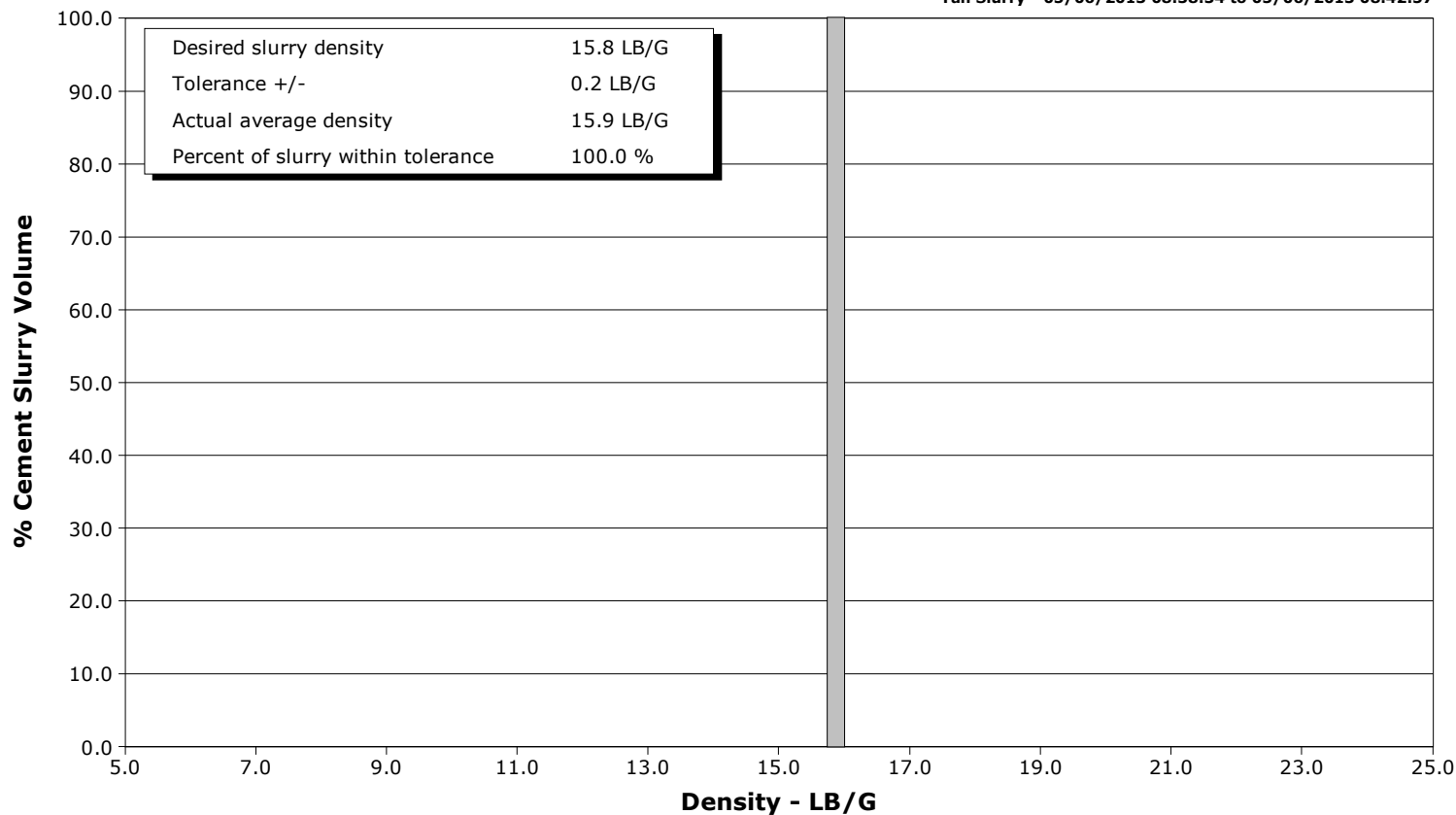
Well ALP FEE 24-6A
Field Mamm Creek
Engineer Travis Willardson / Cole Fairbrook
Country United States

Client EnCana
SIR No. CFAO-00425
Job Type 9 5/8 Surface
Job Date 05-06-2013

Lead Slurry - 05/06/2013 08:21:33 to 05/06/2013 08:35:45



Tail Slurry - 05/06/2013 08:38:34 to 05/06/2013 08:42:57





Cementing Service Report

				Customer EnCana		Job Number CFAO-00425		
Well ALP FEE 24-6A 24-6A			Location (legal) J24NW		Schlumberger Location Grand Junction		Job Start May/06/2013	
Field Mamm Creek		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size 12.6 in	Well MD 1043.0 ft	Well TVD	
County Garfield		State/Province Colorado		BHP	BHST 97 degF	BHCT 86 degF	Pore Press. Gradient	
Well Master 0631429184		API/UWI 05045218050000						
Rig Name Nabors M15		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	40.0	16.000	65.0	N/A	N/A
				1043.0	9.630	36.0	J55	8RD
Drilling Fluid Type Bentonite		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type 9 5/8 Surface						
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 77.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol.	Annular Vol. 61.0 bbl	Openhole Vol. 145.0 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 516 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1043.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For May/06/2013		Arrived on Location May/06/2013	Leave Location May/06/2013	Collar Type Float		Tail Pipe Depth		
				Collar Depth 998.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/06/2013	07:30:48					Started Acquisition		
05/06/2013	08:10:18	3	0.0	8.44	0.0			
05/06/2013	08:10:21					Safetu Meeting		
05/06/2013	08:10:21					Flow 4 bbl Water		
05/06/2013	08:10:21	3	0.0	8.44	0.0			
05/06/2013	08:10:24					Pressure Test Lines		
05/06/2013	08:10:24	3	0.0	8.44	0.0			
05/06/2013	08:10:27					Low / High Pressure Test Good		
05/06/2013	08:10:27	3	0.0	8.44	0.0			
05/06/2013	08:10:28					Pumping 16 bbl Water		
05/06/2013	08:10:28	3	0.0	8.44	0.0			
05/06/2013	08:10:48	3	0.0	8.44	0.0			
05/06/2013	08:14:08	18	0.0	8.38	4.2			
05/06/2013	08:17:28	42	1.5	8.38	4.2			
05/06/2013	08:20:48	216	5.1	8.37	19.4			
05/06/2013	08:21:33					Start Mixing Lead Slurry		
05/06/2013	08:21:33	313	5.1	12.53	23.2			
05/06/2013	08:21:39					Wet Sample 12.5 ppg		
05/06/2013	08:21:39	316	5.1	12.56	23.7			
05/06/2013	08:21:40					Dry Sample 013824		
05/06/2013	08:21:40	316	5.1	12.57	23.8			

Well			Field		Job Start		Customer		Job Number	
ALP FEE 24-6A 24-6A			Mamm Creek		May/06/2013		EnCana		CFAO-00425	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
05/06/2013	08:27:28	424	6.5	12.49	53.4					
05/06/2013	08:30:48	431	6.5	12.54	75.1					
05/06/2013	08:34:08	443	6.5	12.58	96.8					
05/06/2013	08:35:43					Full Returns				
05/06/2013	08:35:43	57	3.7	12.60	106.7					
05/06/2013	08:35:45					End Lead Slurry				
05/06/2013	08:35:45	61	2.6	12.60	106.8					
05/06/2013	08:37:28	70	2.1	14.87	110.4					
05/06/2013	08:38:34					Start Mixing Tail Slurry				
05/06/2013	08:38:34	76	1.9	15.82	112.7					
05/06/2013	08:38:45					Wet Sample 15.8 ppg				
05/06/2013	08:38:45	77	1.9	15.77	113.0					
05/06/2013	08:39:04					Dry Sample 014364				
05/06/2013	08:39:04	455	3.9	15.82	113.7					
05/06/2013	08:39:29					Full Returns				
05/06/2013	08:39:29	441	5.0	15.88	115.7					
05/06/2013	08:40:48	435	5.0	15.90	122.3					
05/06/2013	08:42:57					End Tail Slurry				
05/06/2013	08:42:57	456	5.0	15.93	133.1					
05/06/2013	08:43:00					Drop Top Plug				
05/06/2013	08:43:00	472	5.0	15.92	133.3					
05/06/2013	08:43:01					Start Displacement				
05/06/2013	08:43:01	419	5.0	15.92	133.4					
05/06/2013	08:43:02					Wash Up On Plug				
05/06/2013	08:43:02	442	5.0	15.92	133.5					
05/06/2013	08:43:05					Full Returns				
05/06/2013	08:43:05	433	5.0	15.92	133.8					
05/06/2013	08:44:08	440	5.0	15.93	139.0					
05/06/2013	08:47:28	89	2.9	10.09	145.8					
05/06/2013	08:50:48	261	6.5	8.46	164.0					
05/06/2013	08:54:02					Water Sample 014133				
05/06/2013	08:54:02	331	6.5	8.38	185.2					
05/06/2013	08:54:08	370	6.5	8.38	185.8					
05/06/2013	08:54:40					27 bbl Away Good Slurry				
05/06/2013	08:54:40	387	6.5	8.38	189.3					
05/06/2013	08:55:11					50 bbl Slurry To Surface				
05/06/2013	08:55:11	393	6.5	8.38	192.6					
05/06/2013	08:57:28	355	5.0	8.37	206.9					
05/06/2013	09:00:48	298	2.5	8.37	219.6					
05/06/2013	09:03:17					Bump Top Plug 1319 psi				
05/06/2013	09:03:17	1332	0.0	8.37	225.4					
05/06/2013	09:03:21					End Displacement				
05/06/2013	09:03:21	1318	0.0	8.37	225.4					
05/06/2013	09:04:08	1318	0.0	8.37	225.4					
05/06/2013	09:04:14					Wait 10 Min				
05/06/2013	09:04:14	1318	0.0	8.37	225.4					
05/06/2013	09:07:28	1320	0.0	8.37	225.4					
05/06/2013	09:10:48	-11	0.0	8.38	225.4					
05/06/2013	09:13:33					Stopped Acquisition				
05/06/2013	09:13:33					Bleed Off				
05/06/2013	09:13:33					Floats Held				
05/06/2013	09:13:33					1/2 bbl Back				

Well ALP FEE 24-6A 24-6A	Field Mamm Creek	Job Start May/06/2013	Customer EnCana	Job Number CFAO-00425
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.9	N2	Mud 0.0	Maximum Rate 10.9	Total Slurry 125.0	Mud 0.0	Spacer 20.0	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 2753	Final 82	Average 478	Bump Plug to 1330	Breakdown	Type	Volume 250.0 bbl	Density				
Avg. N2 Percent		Designed Slurry Volume 123.0 bbl		Displacement 78.0 bbl		Mix Water Temp 68 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume	
								Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Tony Ketterling				Schlumberger Supervisor Travis Willardson / Cole Fairbrook				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
								-		-	