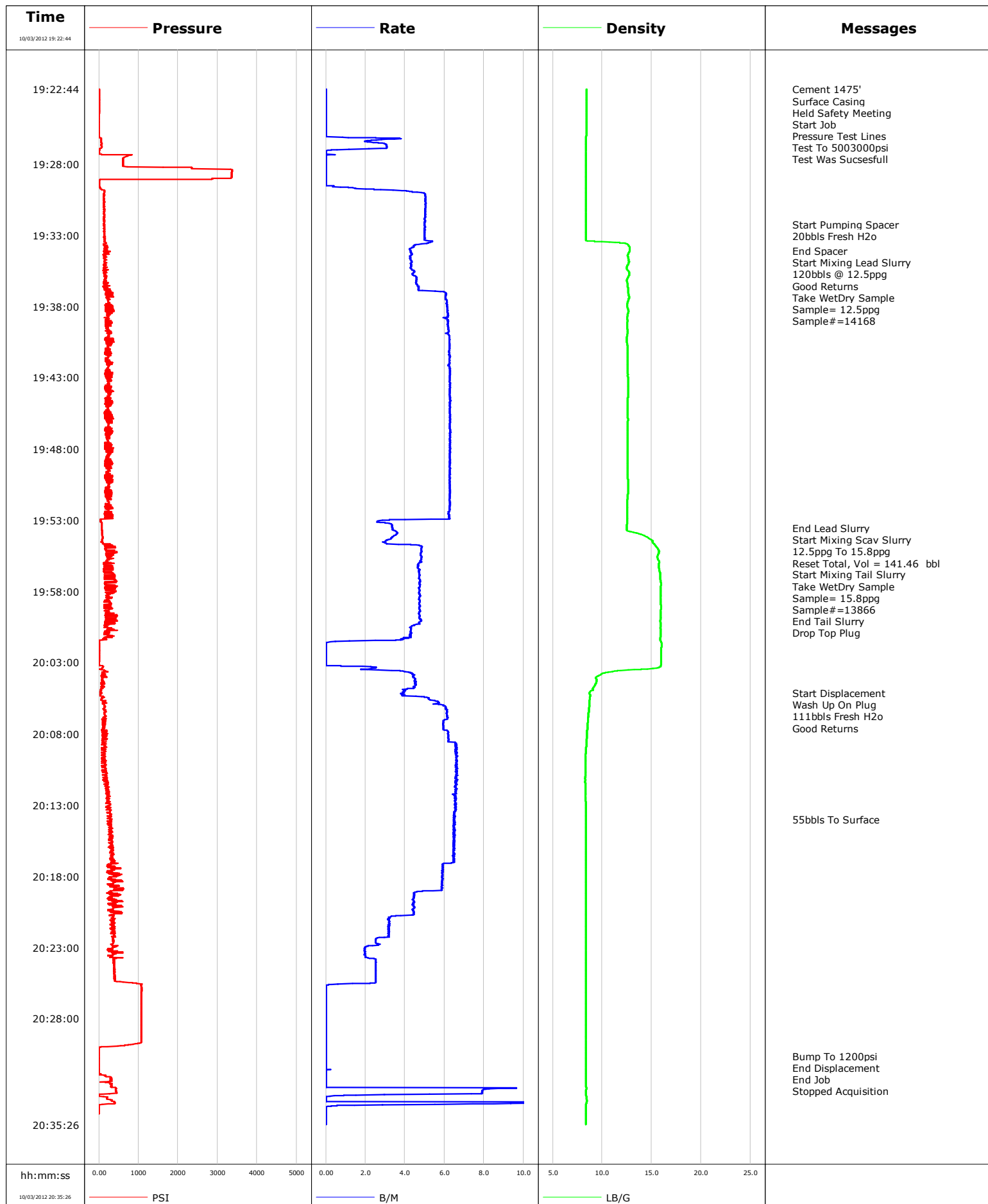


Well	MIDDLETON CREEK UNI 26-5A	Client	ENCANA
Field	MAMM CREEK	SIR No.	C610-00693
Engineer		Job Type	SURFACE
Country	United States	Job Date	10-03-2012

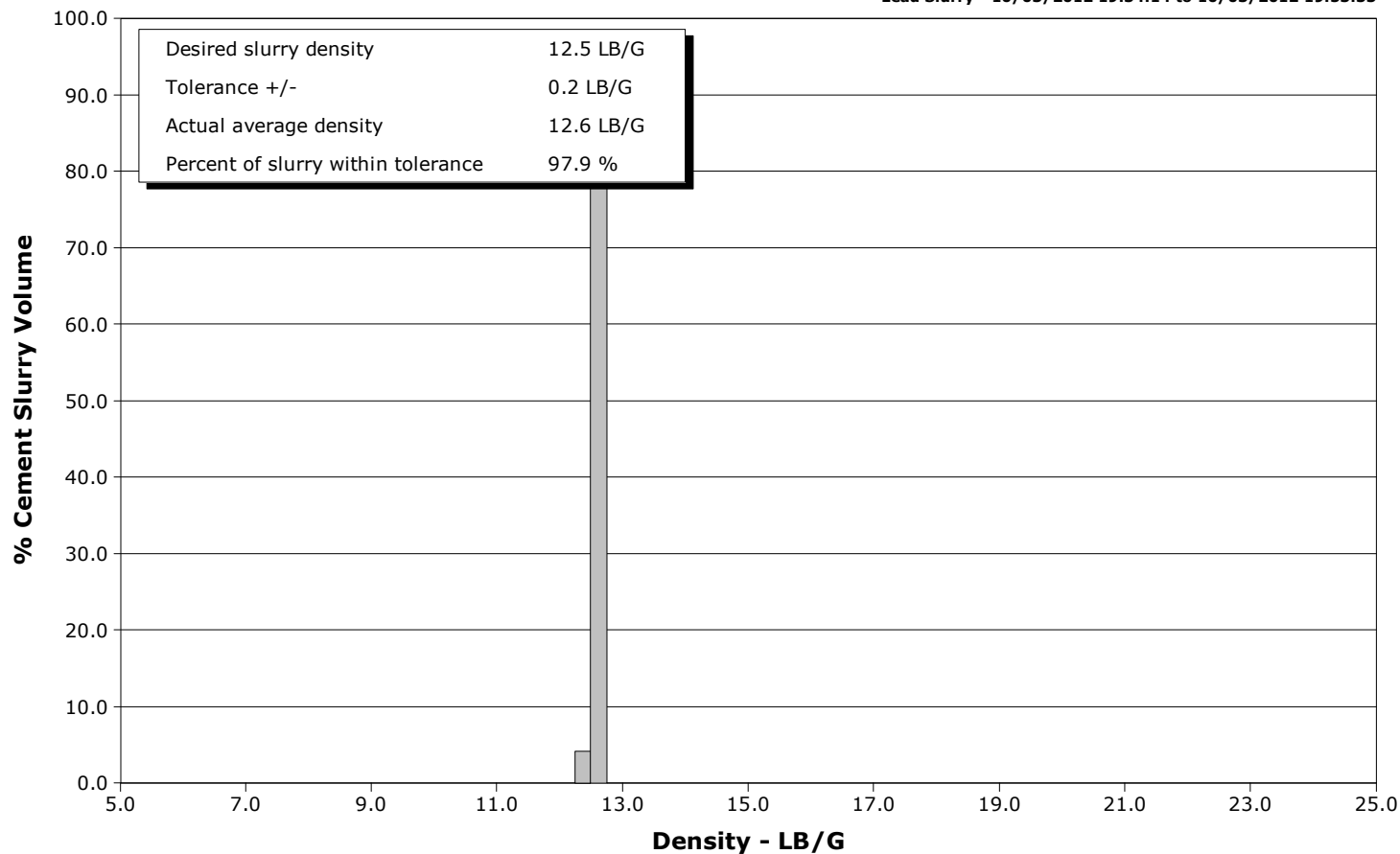


Schlumberger Cementing Qa/Qc Density Report

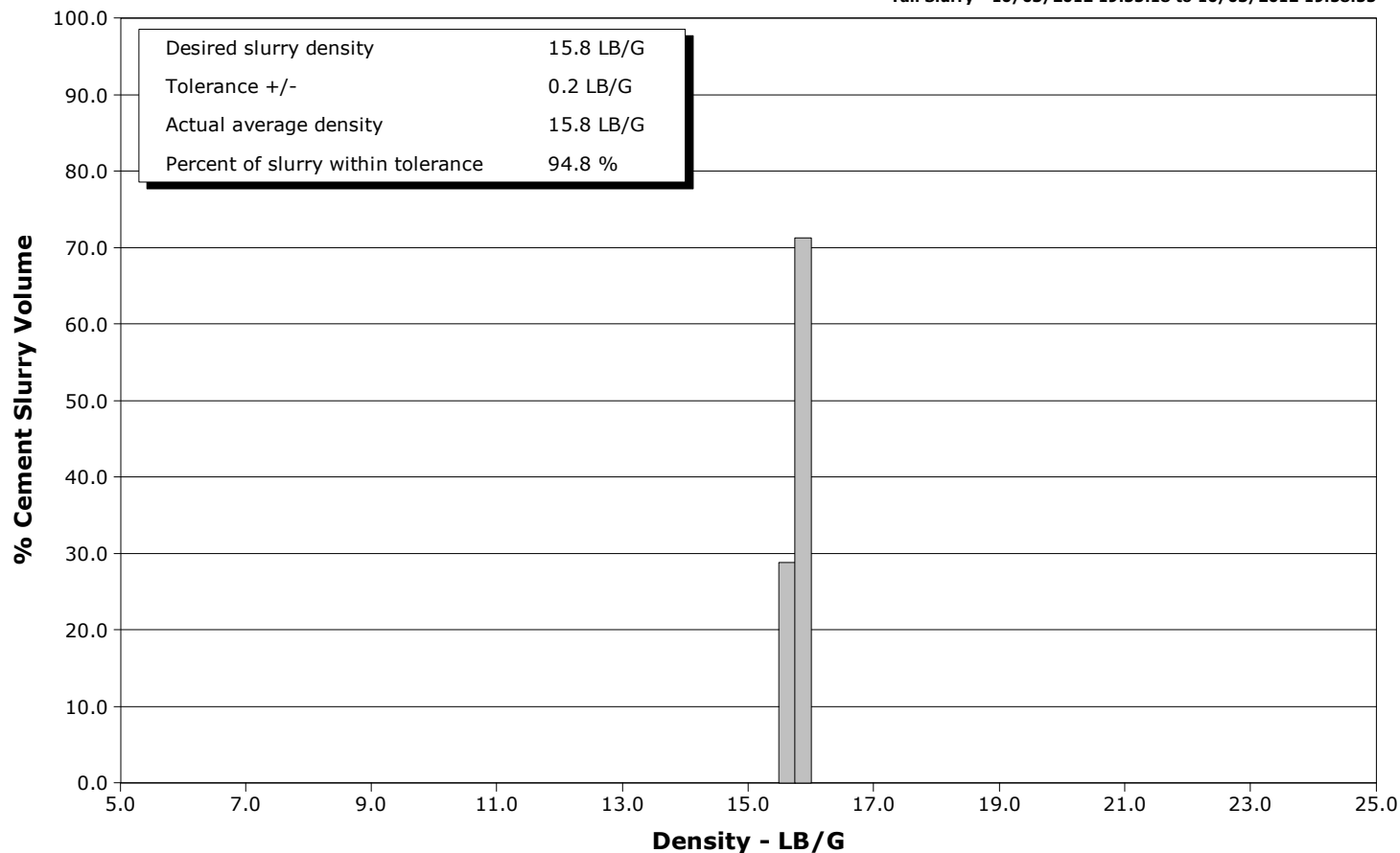
Well MIDDLETON CREEK UNI 26-5A
Field MAMM CREEK
Engineer
Country United States

Client ENCANA
SIR No. C610-00693
Job Type SURFACE
Job Date 10-03-2012

Lead Slurry - 10/03/2012 19:34:14 to 10/03/2012 19:53:33



Tail Slurry - 10/03/2012 19:55:18 to 10/03/2012 19:58:55





Cementing Service Report

				Customer ENCANA			Job Number C610-00693								
Well MIDDLETON CREEK UNI 26-5A			Location (legal)			Schlumberger Location GCO			Job Start Oct/03/2012						
Field MAMM CREEK		Formation Name/Type			Deviation		Bit Size		Well MD		Well TVD				
County GARFIELD		State/Province Colorado			BHP		BHST		BHCT		Pore Press. Gradient				
Well Master 0631394555		API/UWI													
Rig Name NABORS M-15		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
						1475.0		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
						Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing		Job Type SURFACE													
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
						Top,		Bottom,				No. of Shots		Total Interval	
Service Instructions 320skts 12.5ppg lead 2.11ft3/sk 149skts 15.8 tail 1.17ft3/sk water tested good														Diameter	
						Treat Down Casing		Displacement 111.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 114.0 bbl		Annular Vol. 87.0 bbl		Openhole Vol. 206.0 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 730 psi				Shoe Type Guide				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1475.0 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 Oct/03/2012		Arrived on Location Oct/03/2012		Leave Location Oct/03/2012		Collar Type Diff-Fill				Tail Pipe Depth					
						Collar Depth 1430.0 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
10/03/2012	18:57:24					Started Acquisition									
10/03/2012	19:22:44	2	0.0	8.42	0.0										
10/03/2012	19:22:45					Cement 1475'									
10/03/2012	19:22:45					Surface Casing									
10/03/2012	19:22:45					Held Safety Meeting									
10/03/2012	19:22:45	2	0.0	8.42	0.0										
10/03/2012	19:22:51					Start Job									
10/03/2012	19:22:51	2	0.0	8.42	0.0										
10/03/2012	19:22:53					Pressure Test Lines									
10/03/2012	19:22:53					Test To 5003000psi									
10/03/2012	19:22:53					Test Was Sucsesfull									
10/03/2012	19:22:53	2	0.0	8.42	0.0										
10/03/2012	19:23:24	2	0.0	8.42	0.0										
10/03/2012	19:25:24	-2	0.0	8.42	0.0										
10/03/2012	19:27:24	780	0.0	8.37	2.4										
10/03/2012	19:29:24	11	0.0	8.37	2.4										
10/03/2012	19:32:13					Start Pumping Spacer									
10/03/2012	19:32:13	114	5.0	8.37	14.6										
10/03/2012	19:32:15					20bbbs Fresh H2o									
10/03/2012	19:32:15	139	5.0	8.37	14.8										
10/03/2012	19:33:24	145	5.3	8.52	20.5										

Well			Field		Job Start		Customer		Job Number	
MIDDLETON CREEK UNI 26-5A			MAMM CREEK		Oct/03/2012		ENCANA		C610-00693	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/03/2012	19:34:05	209	4.3	12.76	23.7					
10/03/2012	19:34:14					Start Mixing Lead Slurry				
10/03/2012	19:34:14	237	4.3	12.69	24.3					
10/03/2012	19:34:15					120bbls @ 12.5ppg				
10/03/2012	19:34:15					Good Returns				
10/03/2012	19:34:15					Take WetDry Sample				
10/03/2012	19:34:15					Sample= 12.5ppg				
10/03/2012	19:34:15					Sample#=14168				
10/03/2012	19:34:15	237	4.3	12.67	24.4					
10/03/2012	19:35:24	114	4.4	12.51	29.4					
10/03/2012	19:37:24	187	6.0	12.70	39.2					
10/03/2012	19:39:24	159	6.2	12.51	51.5					
10/03/2012	19:41:24	181	6.2	12.56	63.9					
10/03/2012	19:43:24	223	6.3	12.60	76.4					
10/03/2012	19:45:24	154	6.3	12.58	89.0					
10/03/2012	19:47:24	215	6.3	12.58	101.5					
10/03/2012	19:49:24	257	6.3	12.59	114.1					
10/03/2012	19:51:24	272	6.3	12.58	126.6					
10/03/2012	19:53:24	73	3.4	12.49	137.7					
10/03/2012	19:53:33					End Lead Slurry				
10/03/2012	19:53:33	70	3.4	12.49	138.2					
10/03/2012	19:54:10					Start Mixing Scav Slurry				
10/03/2012	19:54:10	87	3.4	14.51	140.3					
10/03/2012	19:54:12					12.5ppg To 15.8ppg				
10/03/2012	19:54:12	86	3.3	14.59	140.5					
10/03/2012	19:54:31					Reset Total, Vol = 141.46 bbl				
10/03/2012	19:54:31	83	3.0	15.09	141.5					
10/03/2012	19:55:18					Start Mixing Tail Slurry				
10/03/2012	19:55:18	443	4.8	15.72	144.9					
10/03/2012	19:55:20					Take WetDry Sample				
10/03/2012	19:55:20					Sample= 15.8ppg				
10/03/2012	19:55:20					Sample#=13866				
10/03/2012	19:55:20	410	4.8	15.70	145.0					
10/03/2012	19:55:24	363	4.8	15.67	145.4					
10/03/2012	19:57:24	421	4.7	15.94	154.8					
10/03/2012	19:58:55					End Tail Slurry				
10/03/2012	19:58:55	123	4.7	15.93	162.0					
10/03/2012	19:58:57					Drop Top Plug				
10/03/2012	19:58:57	315	4.7	15.93	162.2					
10/03/2012	19:59:24	266	4.8	15.92	164.3					
10/03/2012	20:01:24	106	3.8	15.88	173.3					
10/03/2012	20:03:24	76	2.4	15.51	173.9					
10/03/2012	20:05:07					Start Displacement				
10/03/2012	20:05:07	75	3.9	8.69	181.1					
10/03/2012	20:05:08					Wash Up On Plug				
10/03/2012	20:05:08					111bbls Fresh H2o				
10/03/2012	20:05:08					Good Returns				
10/03/2012	20:05:08	27	3.9	8.69	181.1					
10/03/2012	20:05:24	115	4.9	8.77	182.2					
10/03/2012	20:07:24	90	5.9	8.51	194.0					
10/03/2012	20:09:24	140	6.6	8.34	206.6					
10/03/2012	20:11:24	232	6.6	8.28	219.8					
10/03/2012	20:13:24	280	6.5	8.36	232.9					
10/03/2012	20:14:00					55bbls To Surface				

Well			Field		Job Start	Customer		Job Number
MIDDLETON CREEK UNI 26-5A			MAMM CREEK		Oct/03/2012	ENCANA		C610-00693
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/03/2012	20:15:24	255	6.5	8.37	245.9			
10/03/2012	20:17:24	277	5.9	8.37	258.7			
10/03/2012	20:19:24	499	4.5	8.37	269.9			
10/03/2012	20:21:24	288	3.2	8.37	278.0			
10/03/2012	20:23:24	343	2.0	8.37	283.4			
10/03/2012	20:25:24	461	2.5	8.37	288.2			
10/03/2012	20:27:24	1074	0.0	8.38	288.6			
10/03/2012	20:29:24	1072	0.0	8.38	288.6			
10/03/2012	20:30:36					Bump To 1200psi		
10/03/2012	20:30:36	-2	0.0	8.38	288.6			
10/03/2012	20:30:40					End Displacement		
10/03/2012	20:30:40	-3	0.0	8.38	288.6			
10/03/2012	20:30:41					End Job		
10/03/2012	20:30:41	-3	0.0	8.38	288.6			
10/03/2012	20:31:24	-2	0.0	8.38	288.6			
10/03/2012	20:33:24	-9	0.9	8.38	292.6			
10/03/2012	20:35:24	-18	0.0	8.37	295.3			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.2	N2	Mud 0.0	Maximum Rate 6.7		Total Slurry 288.6	Mud 0.0	Spacer 23.7	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3363	Final -2	Average 313	Bump Plug to	Breakdown	Type		Volume		Density
Avg. N2 Percent		Designed Slurry Volume 151.0 bbl		Displacement 126.5 bbl	Mix Water Temp 64 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 50.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative				Schlumberger Supervisor			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
ERASMO PARAS				JASON CRICK			-		-