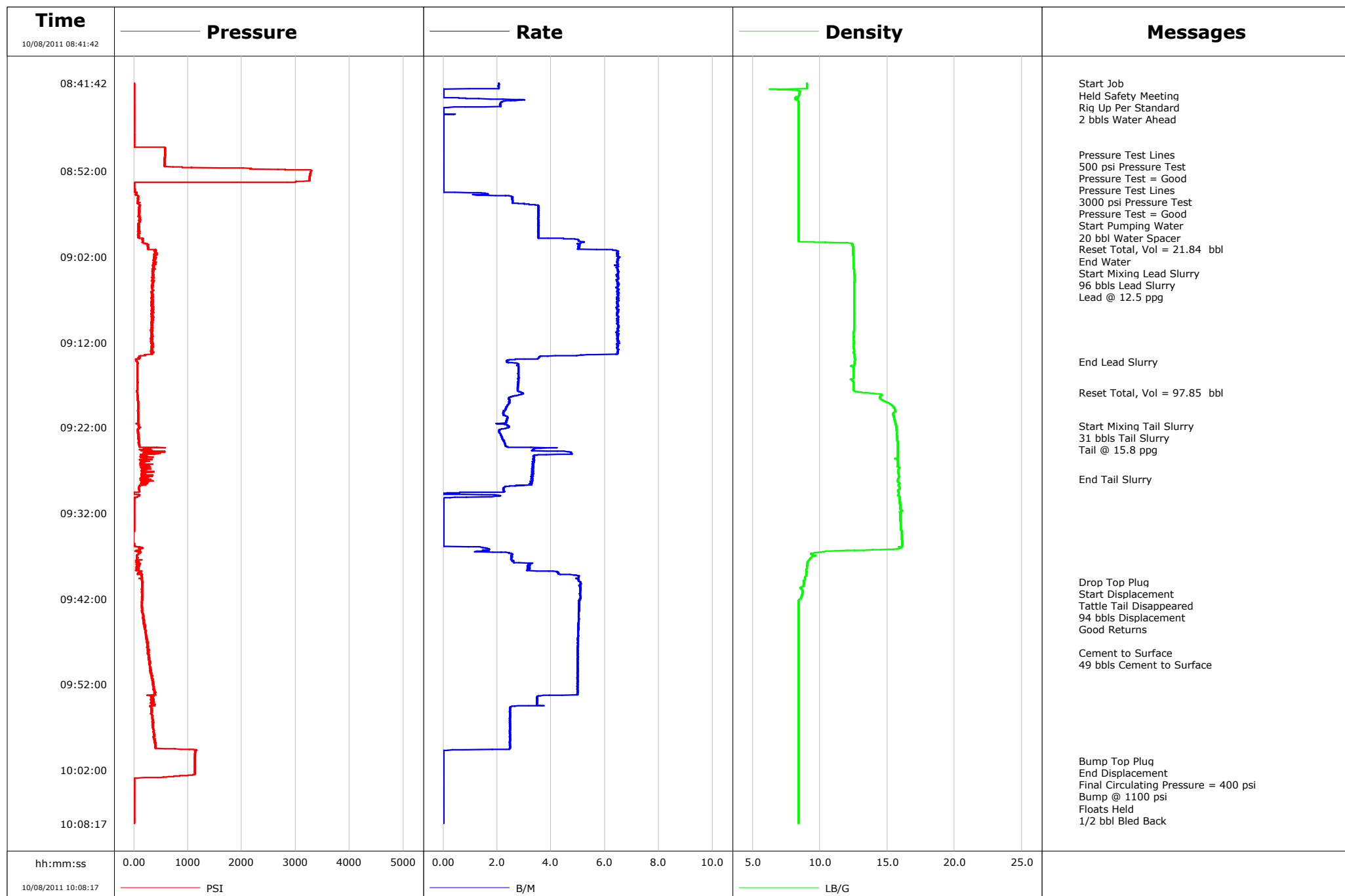


**Well** Federal 29-9  
**Field** Parachute  
**Engineer** Ryan Bowditch  
**Country** United States

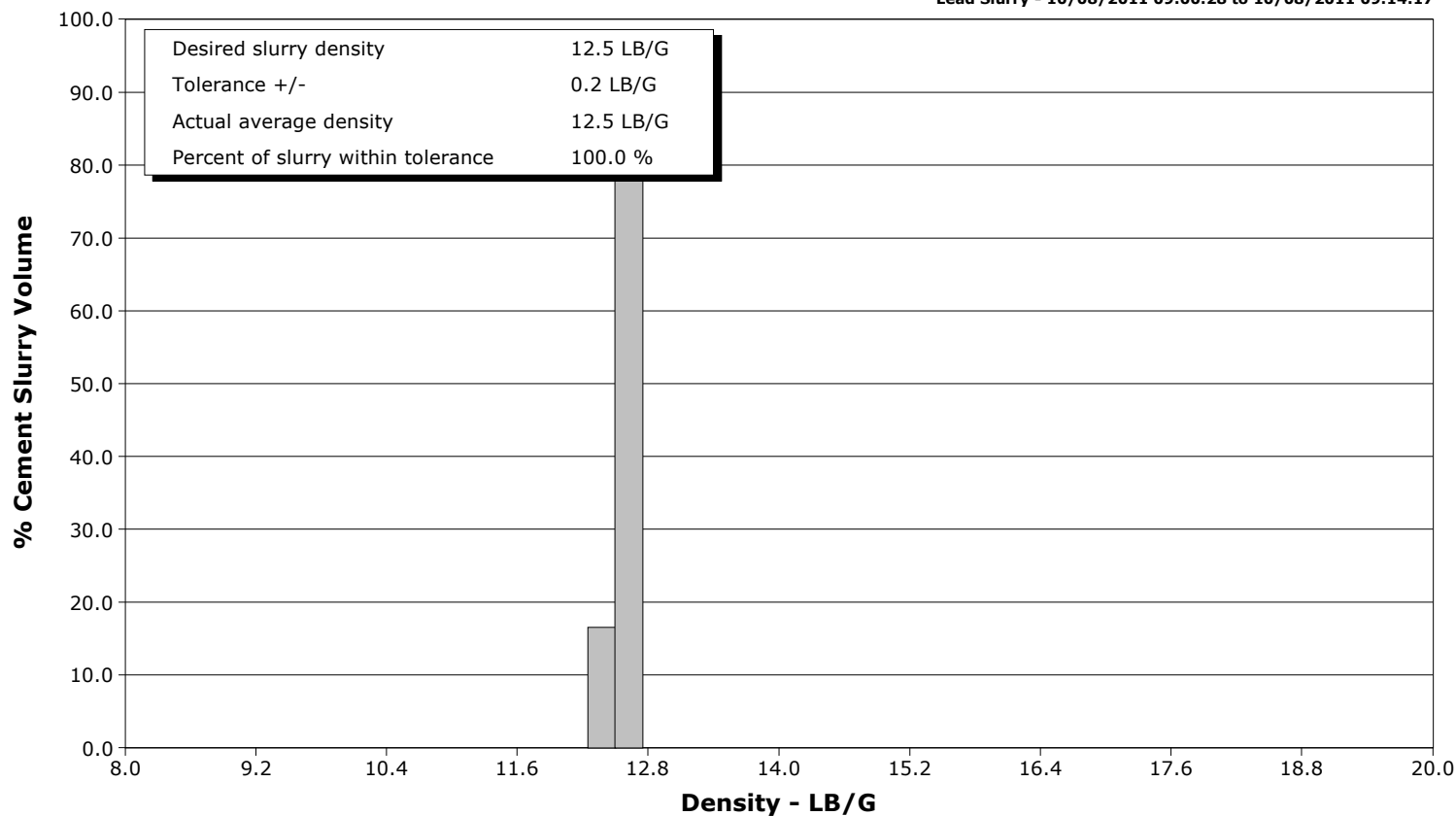
**Client** EnCana  
**SIR No.** BC74-00099  
**Job Type** 9 5/8" Surface Casing  
**Job Date** 10-08-2011



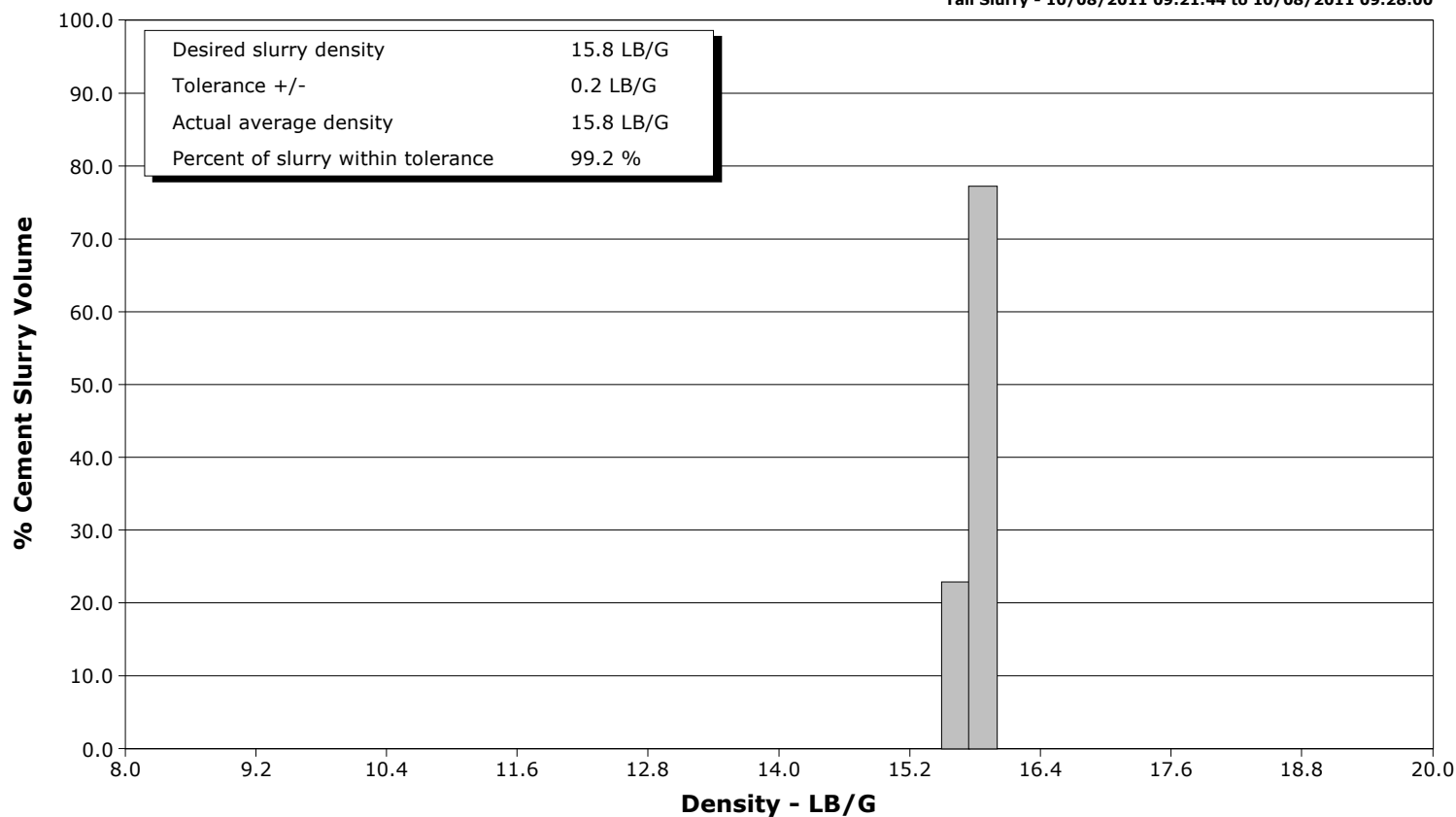
**Well** Federal 29-9  
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**Engineer** Ryan Bowditch  
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**Client** EnCana  
**SIR No.** BC74-00099  
**Job Type** 9 5/8" Surface Casing  
**Job Date** 10-08-2011

**Lead Slurry - 10/08/2011 09:00:28 to 10/08/2011 09:14:17**



**Tail Slurry - 10/08/2011 09:21:44 to 10/08/2011 09:28:00**



# Cementing Service Report

					Customer EnCana			Job Number BC74-00099	
Well Federal 29-9			Location (legal) PL-28		Schlumberger Location Grand Junction, CO			Job Start Oct/08/2011	
Field Parachute		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in		Well MD 1263.0 ft		Well TVD 1263.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 95 degF	BHCT 82 degF	Pore Press. Gradient lb/gal		
Well Master 0631236254		API/UWI 0545202340000							
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	16.0	65.0			
				1263.0	9.6	36.0	K55		8RD
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe					
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	
Service Line Cementing	Job Type 9 5/8" Surface Casing								
Max. Allowed Tub. Press 1500 psi	Max. Allowed Ann. Press 500 psi		WH Connection Single Cement head	Perforations/Open Hole					
				Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft	
				ft	ft				
				ft	ft			Diameter in	
				ft	ft				
				Treat Down Casing		Displacement 94.1 bbl	Packer Type		Packer Depth ft
				Tubing Vol. bbl		Casing Vol. 97.6 bbl	Annular Vol. 74.0 bbl		Openhole Vol. 174.0 bbl
Service Instructions Cement 9 5/8" Surface Casing with: 20 bbls Water 96 bbls 12.5 ppq Lead (255 sks) 31 bbls 15.8 ppq Tail (150 sks) Displace 94 bbls Water									
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>			Casing Tools			Squeeze Job		
Lift Pressure 400 psi				Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>			Shoe Depth 1263.0 ft			Tool Type		
No. Centralizers	Top Plugs 1	Bottom Plugs		Stage Tool Type			Tool Depth ft		
Cement Head Type Single				Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Oct/08/2011	Arrived on Location Oct/08/2011	Leave Location Oct/08/2011		Collar Type Float			Tail Pipe Depth ft		
				Collar Depth 1217.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
10/08/2011	08:41:42	0	2.0	9.02	102.1	0	Started Acquisition		
10/08/2011	08:41:47	0	2.1	9.02	102.3	0	Held Safety Meeting		
10/08/2011	08:43:22	0	0.0	8.25	103.6	0			
10/08/2011	08:45:02	0	0.0	8.41	2.3	0			
10/08/2011	08:46:42	0	0.0	8.41	2.3	0			
10/08/2011	08:48:22	0	0.0	8.41	2.3	0			
10/08/2011	08:50:00	572	0.0	8.41	2.3	0	Pressure Test Lines		
10/08/2011	08:50:02	572	0.0	8.41	2.3	0			
10/08/2011	08:51:42	2166	0.0	8.41	2.3	0			
10/08/2011	08:52:30	3261	0.0	8.41	2.3	0	Pressure Test Lines		
10/08/2011	08:53:22	6	0.0	8.41	2.3	0			
10/08/2011	08:55:02	76	2.6	8.41	3.2	0			
10/08/2011	08:55:13	80	2.6	8.41	3.7	0	Start Pumping Water		
10/08/2011	08:55:15	70	2.6	8.41	3.8	0	20 bbl Water Spacer		
10/08/2011	08:56:42	90	3.5	8.41	8.3	0			
10/08/2011	08:58:22	98	3.5	8.41	14.2	0			
10/08/2011	09:00:02	155	5.0	8.41	20.2	0			
10/08/2011	09:00:04	163	5.0	8.41	20.4	0	Reset Total, Vol = 21.84 bbl		
10/08/2011	09:00:05	161	5.0	8.41	20.5	0	End Water		
10/08/2011	09:00:28	217	5.0	12.38	22.4	27	Start Mixing Lead Slurry		
10/08/2011	09:00:29	208	5.0	12.38	22.5	27	96 bbls Lead Slurry		

Well Federal 29-9			Field Parachute		Job Start Oct/08/2011		Customer EnCana		Job Number BC74-00099
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
10/08/2011	09:03:22	369	6.5	12.51	40.1	24			
10/08/2011	09:05:02	350	6.5	12.55	50.9	24			
10/08/2011	09:06:42	333	6.5	12.54	61.7	24			
10/08/2011	09:08:22	333	6.5	12.53	72.5	24			
10/08/2011	09:10:02	320	6.5	12.52	83.3	23			
10/08/2011	09:11:42	327	6.5	12.51	94.1	24			
10/08/2011	09:13:22	320	6.5	12.55	104.9	23			
10/08/2011	09:14:17	55	2.4	12.56	108.4	23	End Lead Slurry		
10/08/2011	09:15:02	61	2.8	12.49	110.4	16			
10/08/2011	09:16:42	65	2.8	12.50	115.0	13			
10/08/2011	09:17:52	57	2.9	13.07	118.3	33	Reset Total, Vol = 97.85 bbl		
10/08/2011	09:18:22	68	2.5	14.46	119.7	35			
10/08/2011	09:20:02	74	2.2	15.58	123.7	39			
10/08/2011	09:21:42	86	2.4	15.64	127.5	41			
10/08/2011	09:21:44	83	2.4	15.65	127.6	41	Start Mixing Tail Slurry		
10/08/2011	09:21:48	85	2.4	15.66	127.7	41	31 bbls Tail Slurry		
10/08/2011	09:23:22	83	2.2	15.74	131.2	41			
10/08/2011	09:25:02	177	4.8	15.78	136.2	41			
10/08/2011	09:26:42	128	3.3	15.89	141.9	41			
10/08/2011	09:28:00	278	3.3	15.81	146.2	25	End Tail Slurry		
10/08/2011	09:28:22	134	3.3	15.80	147.5	47			
10/08/2011	09:30:02	68	1.9	15.90	151.1	72			
10/08/2011	09:31:42	3	0.0	16.10	151.3	0			
10/08/2011	09:33:22	2	0.0	15.98	151.3	0			
10/08/2011	09:35:02	-15	0.0	16.09	151.3	0			
10/08/2011	09:36:42	99	2.5	9.38	152.6	51			
10/08/2011	09:38:22	42	3.2	9.03	157.2	39			
10/08/2011	09:39:58	157	5.0	8.80	164.1	17	Drop Top Plug		
10/08/2011	09:39:59	155	5.0	8.80	164.2	17	Start Displacement		
10/08/2011	09:40:01	158	5.0	8.81	164.3	17	Tattle Tail Disappeared		
10/08/2011	09:40:02	158	5.1	8.81	164.4	17			
10/08/2011	09:41:42	153	5.1	8.64	172.9	52			
10/08/2011	09:43:22	152	5.0	8.41	181.3	0			
10/08/2011	09:45:02	200	5.0	8.41	189.7	0			
10/08/2011	09:46:42	233	5.0	8.41	198.0	0			
10/08/2011	09:48:17	274	5.0	8.41	205.9	0	Cement to Surface		
10/08/2011	09:48:22	251	5.0	8.41	206.3	0			
10/08/2011	09:50:02	299	5.0	8.41	214.6	0			
10/08/2011	09:51:42	342	5.0	8.41	222.9	0			
10/08/2011	09:53:22	302	3.5	8.41	231.2	0			
10/08/2011	09:55:02	321	2.5	8.41	236.5	0			
10/08/2011	09:56:42	360	2.5	8.41	240.6	0			
10/08/2011	09:58:22	372	2.5	8.41	244.8	0			
10/08/2011	10:00:02	1136	0.0	8.41	248.0	0			
10/08/2011	10:00:58	1132	0.0	8.41	248.0	0	Bump Top Plug		
10/08/2011	10:00:59	1132	0.0	8.41	248.0	0	End Displacement		
10/08/2011	10:01:00	1131	0.0	8.41	248.0	0	Final Circulating Pressure = 400 psi		
10/08/2011	10:03:14	7	0.0	8.41	248.0	0	Floats Held		
10/08/2011	10:03:22	8	0.0	8.41	248.0	0			
10/08/2011	10:05:02	8	0.0	8.41	248.0	0			

<b>Well</b> Federal 29-9	<b>Field</b> Parachute	<b>Job Start</b> Oct/08/2011	<b>Customer</b> EnCana	<b>Job Number</b> BC74-00099
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 4.1	N2		Mud	Maximum Rate 6.5	Total Slurry 249.5	Mud 0.0		Spacer 23.8	N2		
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3290	Final 7	Average 299	Bump Plug to 1100	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 127.0 bbl		Displacement 84.0 bbl		Mix Water Temp 55 degF		Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume 49.0 bbl	
								Washed Thru Perfs		<input type="checkbox"/>	To ft
Customer or Authorized Representative Robert Tate				Schlumberger Supervisor Ryan Bowditch				Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
								-		-	