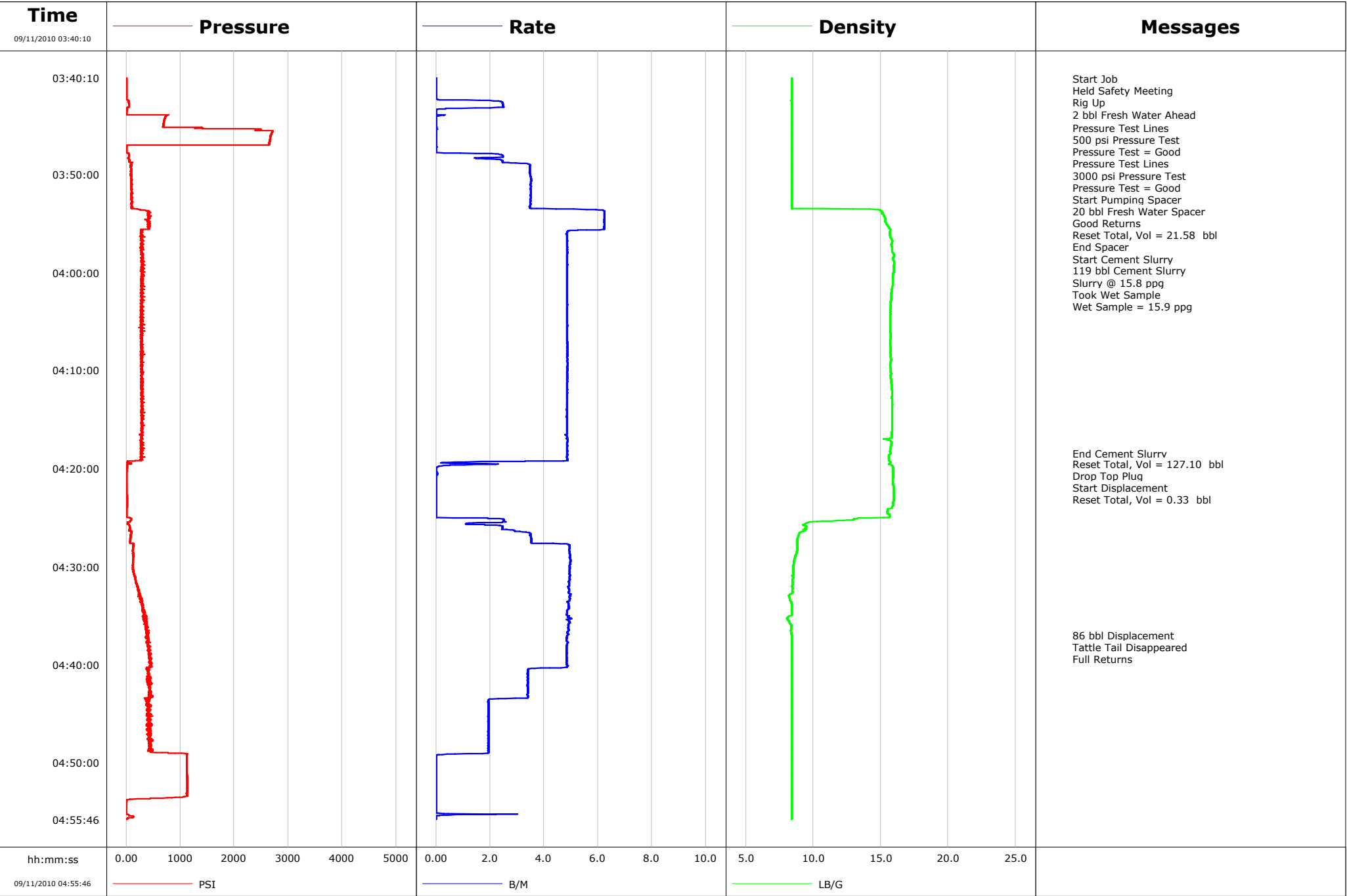


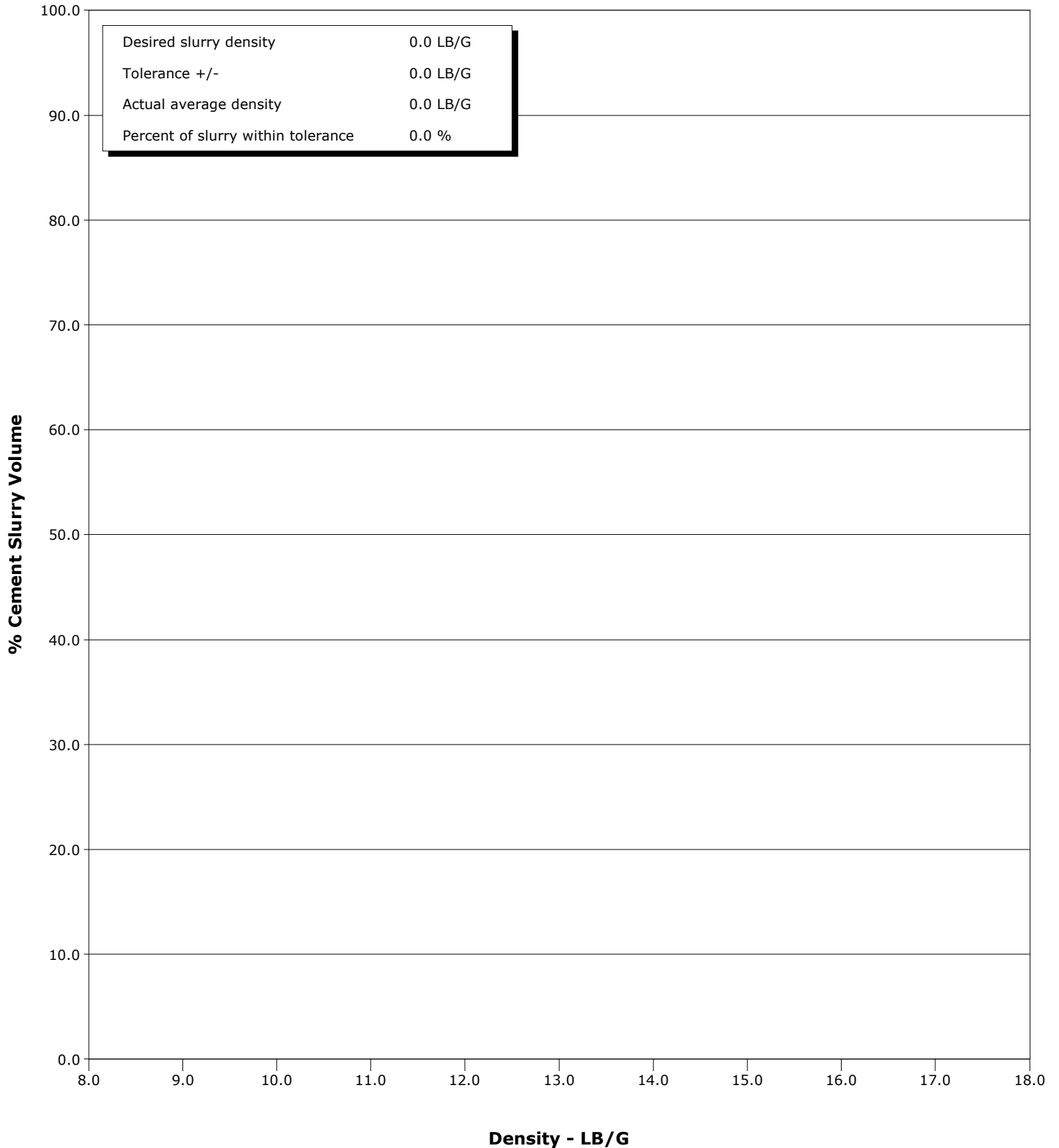
Well	Twin Creek 12-2D2	Client	Encana
Field	Mamm Creek	SIR No.	B2IJ-00229
Engineer	Ryan Bowditch	Job Type	9 5/8 Surface Casing
Country	United States	Job Date	09-10-2010



Well Twin Creek 12-2D2
Field Mamm Creek
Engineer Ryan Bowditch
Country United States

Client Encana
SIR No. B2IJ-00229
Job Type 9 5/8 Surface Casing
Job Date 09-10-2010

Cement Slurry - 09/11/2010 03:56:00 to 09/11/2010 04:18:26



Cementing Service Report

				Customer Encana		Job Number B2IJ-00229	
Well Twin Creek 12-2D2			Location (legal)		Schlumberger Location Grand Junction, CO		Job Start Sep/10/2010
Field Mamm Creek		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in	Well MD 1163.0 ft	Well TVD 1163.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 94 degF	BHCT 81 degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
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	H40
				1163.0	9.6	36.0	J55
Drilling Fluid Type Bentonite		Max. Density 9.60 lb/gal		Plastic Viscosity 45.000 cP		Tubing/Drill Pipe	
				T/D	Depth, ft	Size, in	Weight, lb/ft
							Grade
							Thread
Service Line Cementing		Job Type 9 5/8 Surface Casing					
Max. Allowed Tub. Press 2500 psi		Max. Allowed Ann. Press 1500 psi		WH Connection Single Cement head		Perforations/Open Hole	
						Top, ft	Bottom, ft
						shot/ft	No. of Shots
							Total Interval
							Diameter
							in
						Treat Down Casing	Displacement 86.0 bbl
						Packer Type	Packer Depth ft
						Tubing Vol. bbl	Casing Vol. 90.0 bbl
						Annular Vol. 68.0 bbl	Openhole Vol. 161.0 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 575 psi				Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1163.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Tool Depth ft	
Cement Head Type Single				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Sep/10/2010		Arrived on Location Sep/10/2010		Leave Location Sep/10/2010		Collar Type Float	
						Tail Pipe Depth ft	
						Collar Depth 1117.0 ft	
						Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/11/2010	03:40:10	3	0.0	8.42	0.0	Started Acquisition	
09/11/2010	03:40:14	3	0.0	8.42	0.0	Start Job	
09/11/2010	03:40:20	2	0.0	8.42	0.0	Held Safety Meeting	
09/11/2010	03:41:50	4	0.0	8.42	0.0		
09/11/2010	03:43:30	9	0.0	8.42	2.0		
09/11/2010	03:45:10	680	0.0	8.42	2.0		
09/11/2010	03:45:15	1314	0.0	8.42	2.0	Pressure Test Lines	
09/11/2010	03:46:50	2648	0.0	8.42	2.0		
09/11/2010	03:47:00	2642	0.0	8.42	2.0	Pressure Test Lines	
09/11/2010	03:48:30	51	2.4	8.42	3.5		
09/11/2010	03:50:10	81	3.5	8.41	8.9		
09/11/2010	03:50:30	104	3.5	8.41	10.1	Start Pumping Spacer	
09/11/2010	03:51:50	107	3.5	8.41	14.8		
09/11/2010	03:53:30	102	3.7	8.99	20.6		
09/11/2010	03:53:41	361	6.2	14.97	21.6	Reset Total, Vol = 21.58 bbl	
09/11/2010	03:53:42	361	6.2	14.98	21.7	End Spacer	
09/11/2010	03:55:10	402	6.2	15.48	30.8		
09/11/2010	03:56:00	274	4.9	15.66	35.6	Start Cement Slurry	
09/11/2010	03:56:05	279	4.8	15.67	36.0	119 bbl Cement Slurry	
09/11/2010	03:56:50	277	4.9	15.87	39.6		
09/11/2010	03:58:00	274	4.9	15.91	45.3	Took Wet Sample	

Well			Field	Job Start	Customer	Job Number
Twin Creek 12-2D2			Mamm Creek	Sep/10/2010	Encana	B2IJ-00229
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/11/2010	04:00:10	304	4.9	15.92	55.8	
09/11/2010	04:01:50	288	4.8	15.81	63.9	
09/11/2010	04:03:30	315	4.9	15.73	72.0	
09/11/2010	04:05:10	281	4.9	15.70	80.1	
09/11/2010	04:06:50	288	4.9	15.72	88.2	
09/11/2010	04:08:30	287	4.9	15.74	96.3	
09/11/2010	04:10:10	275	4.9	15.75	104.4	
09/11/2010	04:11:50	276	4.9	15.82	112.5	
09/11/2010	04:13:30	298	4.9	15.87	120.6	
09/11/2010	04:15:10	281	4.8	15.85	128.7	
09/11/2010	04:16:50	287	4.9	15.81	136.7	
09/11/2010	04:18:26	264	4.9	15.73	144.5	End Cement Slurry
09/11/2010	04:18:30	273	4.9	15.72	144.8	
09/11/2010	04:19:28	90	0.7	15.68	148.7	Reset Total, Vol = 127.10 bbl
09/11/2010	04:19:34	16	2.2	15.59	148.9	Drop Top Plug
09/11/2010	04:19:35	16	1.9	15.64	148.9	Start Displacement
09/11/2010	04:19:48	12	0.1	15.90	149.0	Reset Total, Vol = 0.33 bbl
09/11/2010	04:20:10	9	0.0	15.93	149.0	
09/11/2010	04:21:50	5	0.0	15.95	149.0	
09/11/2010	04:23:30	13	0.0	15.92	149.0	
09/11/2010	04:25:10	90	2.5	13.07	149.3	
09/11/2010	04:26:50	87	3.5	8.90	153.6	
09/11/2010	04:28:30	125	5.0	8.77	160.7	
09/11/2010	04:30:10	116	5.0	8.51	169.0	
09/11/2010	04:31:50	185	4.9	8.47	177.2	
09/11/2010	04:33:30	300	4.9	8.32	185.5	
09/11/2010	04:35:10	333	4.9	8.12	193.6	
09/11/2010	04:36:50	367	4.9	8.36	201.8	
09/11/2010	04:36:58	383	4.9	8.40	202.4	86 bbl Displacement
09/11/2010	04:36:59	383	4.9	8.41	202.5	Full Returns
09/11/2010	04:38:30	405	4.8	8.41	209.9	
09/11/2010	04:40:10	463	4.9	8.41	217.9	
09/11/2010	04:41:50	426	3.4	8.41	223.8	
09/11/2010	04:43:30	433	2.0	8.41	229.4	
09/11/2010	04:45:10	375	1.9	8.41	232.6	
09/11/2010	04:46:50	448	1.9	8.41	235.9	
09/11/2010	04:48:30	468	1.9	8.41	239.1	
09/11/2010	04:50:10	1122	0.0	8.41	240.3	
09/11/2010	04:51:50	1124	0.0	8.41	240.3	
09/11/2010	04:53:30	1033	0.0	8.42	240.3	

Well Twin Creek 12-2D2	Field Mamm Creek	Job Start Sep/10/2010	Customer Encana	Job Number B2IJ-00229
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.1	N2	Mud	Maximum Rate 6.2	Total Slurry 119.0	Mud 0.0	Spacer 22.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2718	Final 2718	Average 354	Bump Plug to 1100	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 86.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 40.0 bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative David Wall			Schlumberger Supervisor Ryan Bowditch		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		