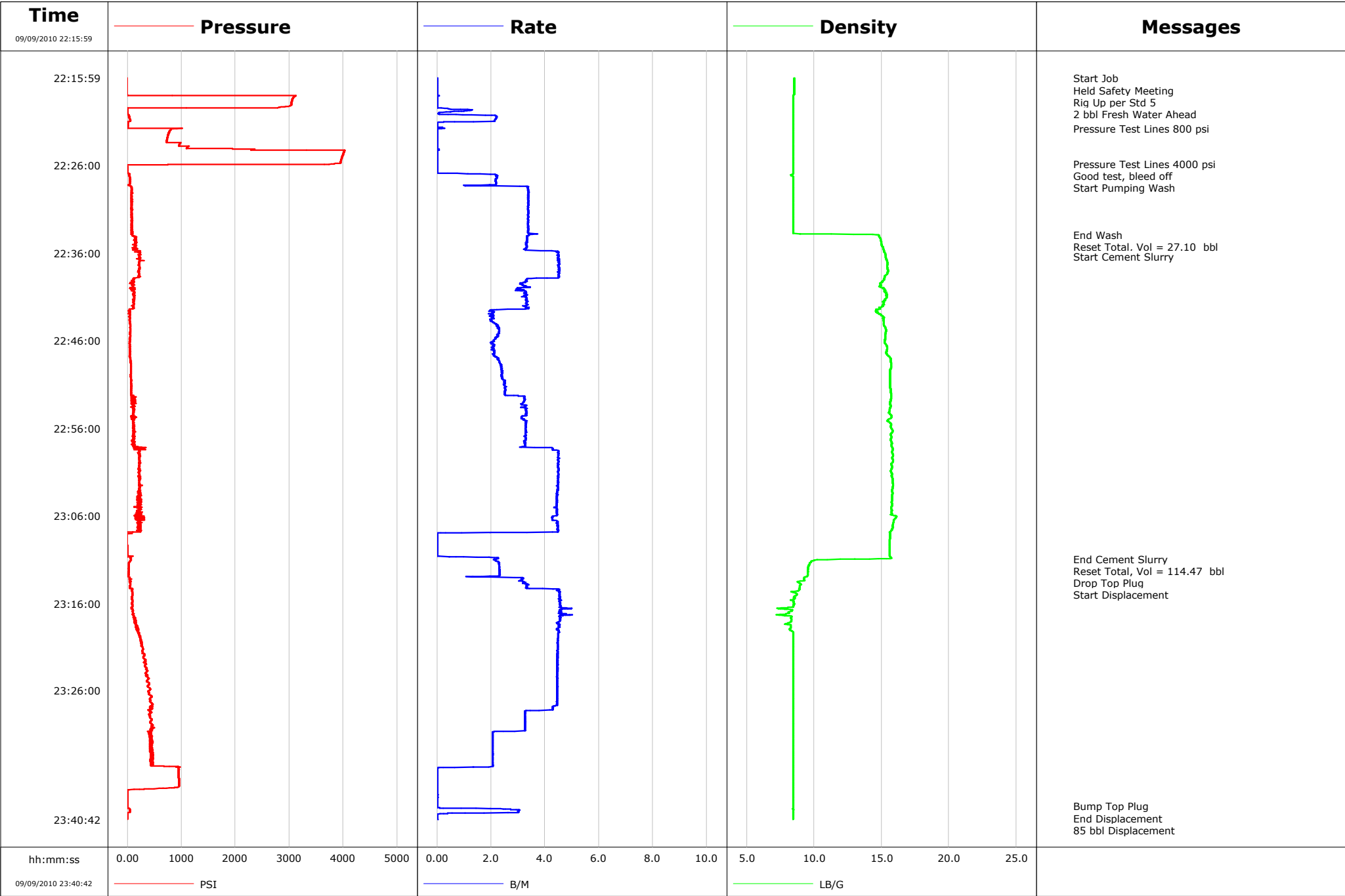


Well	Twin Creek 1-10C1	Client	Encana
Field	Mamm Creek	SIR No.	B2IJ-00228
Engineer	Ryan Bowditch	Job Type	9 5/8 Surface Casing
Country	United States	Job Date	09-09-2010



Cementing Service Report

				Customer Encana			Job Number B2IJ-00228		
Well Twin Creek 1-10C1			Location (legal)		Schlumberger Location Grand Junction, CO			Job Start Sep/09/2010	
Field Mamm Creek		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in		Well MD 1153.0 ft		
County Garfield		State/Province Colorado		BHP psi	BHST 94 degF		BHCT 81 degF		
Well Master		API/UWI				Pore Press. Gradient lb/gal			
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		
	1153.0	9.6	36.0	J55	8RD				
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 ft				
	ft	ft							
	ft	ft			Diameter in				
Service Instructions Cement 9 5/8" Casing @ 1132ft 16" Conductor @ 40' 12 1/4 Open hole with 80 % O.H. Excess 20 bbl water 569 sks 15.8.0 ppg Tail (TOT 0 ft) Displace water		Treat Down Casing	Displacement 86.0 bbl		Packer Type		Packer Depth ft		
		Tubing Vol. bbl	Casing Vol. 89.0 bbl		Annular Vol. 67.0 bbl		Openhole Vol. 160.0 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 430 psi		Shoe Type Guide		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1153.0 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 Sep/09/2010		Arrived on Location Sep/09/2010		Leave Location Sep/09/2010		Collar Type Diff-Fill		Tail Pipe Depth ft	
						Collar Depth 1109.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/09/2010	22:15:59	-14	0.0	8.52	0.0	Started Acquisition			
09/09/2010	22:16:02	-14	0.0	8.52	0.0	Start Job			
09/09/2010	22:16:07	-14	0.0	8.52	0.0	Held Safety Meeting			
09/09/2010	22:16:08	-13	0.0	8.52	0.0	2 bbl Fresh Water Ahead			
09/09/2010	22:17:39	-14	0.0	8.53	0.0				
09/09/2010	22:19:19	2848	0.0	8.45	0.0				
09/09/2010	22:20:59	10	1.4	8.45	2.1				
09/09/2010	22:21:44	1001	0.3	8.45	2.2	Pressure Test Lines 800 psi			
09/09/2010	22:22:39	744	0.0	8.45	2.2				
09/09/2010	22:24:19	4016	0.0	8.45	2.2				
09/09/2010	22:25:48	3823	0.0	8.45	2.2	Pressure Test Lines 4000 psi			
09/09/2010	22:25:59	-11	0.0	8.45	2.2				
09/09/2010	22:26:07	-8	0.0	8.45	2.2	Good test, bleed off			
09/09/2010	22:26:56	47	1.1	8.45	2.3	Start Pumping Wash			
09/09/2010	22:27:39	45	2.2	8.45	3.8				
09/09/2010	22:29:19	70	3.4	8.45	8.5				
09/09/2010	22:30:59	84	3.4	8.45	14.1				
09/09/2010	22:32:39	89	3.4	8.44	19.7				
09/09/2010	22:33:54	84	3.4	14.63	24.0	End Wash			
09/09/2010	22:34:19	150	3.3	14.90	25.4				
09/09/2010	22:34:50	136	3.3	14.97	27.1	Reset Total, Vol = 27.10 bbl			

Well			Field		Job Start		Customer		Job Number	
Twin Creek 1-10C1			Mamm Creek		Sep/09/2010		Encana		B2IJ-00228	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/09/2010	22:36:26	222	4.5	15.30	33.2	Start Cement Slurry				
09/09/2010	22:37:39	215	4.5	15.42	38.7					
09/09/2010	22:39:19	111	3.2	15.08	45.7					
09/09/2010	22:40:59	134	3.1	15.38	51.0					
09/09/2010	22:42:39	40	2.0	14.62	56.3					
09/09/2010	22:44:19	50	2.2	15.18	59.7					
09/09/2010	22:45:59	42	2.1	15.23	63.4					
09/09/2010	22:47:39	42	2.1	15.43	66.9					
09/09/2010	22:49:19	59	2.4	15.64	70.7					
09/09/2010	22:50:59	60	2.5	15.63	74.8					
09/09/2010	22:52:39	133	3.3	15.69	79.2					
09/09/2010	22:54:19	104	3.3	15.59	84.7					
09/09/2010	22:55:59	120	3.3	15.70	90.1					
09/09/2010	22:57:39	125	3.3	15.75	95.5					
09/09/2010	22:59:19	228	4.5	15.80	102.2					
09/09/2010	23:00:59	213	4.5	15.69	109.7					
09/09/2010	23:02:39	230	4.5	15.83	117.2					
09/09/2010	23:04:19	183	4.4	15.76	124.6					
09/09/2010	23:05:59	201	4.4	15.98	132.0					
09/09/2010	23:07:39	246	4.5	15.73	139.4					
09/09/2010	23:09:19	-9	0.0	15.60	140.6					
09/09/2010	23:10:56	54	2.2	14.83	141.1	End Cement Slurry				
09/09/2010	23:10:59	63	2.1	13.01	141.2					
09/09/2010	23:11:10	57	2.2	9.83	141.6	Reset Total, Vol = 114.47 bbl				
09/09/2010	23:11:12	44	2.2	9.80	141.6	Drop Top Plug				
09/09/2010	23:11:17	35	2.3	9.78	141.8	Start Displacement				
09/09/2010	23:12:39	20	2.3	9.51	145.0					
09/09/2010	23:14:19	86	3.4	8.90	149.9					
09/09/2010	23:15:59	82	4.6	8.49	157.4					
09/09/2010	23:17:39	140	4.6	8.28	165.1					
09/09/2010	23:19:19	193	4.5	8.44	172.7					
09/09/2010	23:20:59	270	4.5	8.43	180.1					
09/09/2010	23:22:39	332	4.5	8.44	187.6					
09/09/2010	23:24:19	345	4.4	8.44	195.0					
09/09/2010	23:25:59	396	4.4	8.44	202.4					
09/09/2010	23:27:39	458	4.4	8.44	209.8					
09/09/2010	23:29:19	448	3.3	8.44	215.9					
09/09/2010	23:30:59	397	2.0	8.44	220.9					
09/09/2010	23:32:39	451	2.1	8.44	224.3					
09/09/2010	23:34:19	471	2.1	8.44	227.7					
09/09/2010	23:35:59	948	0.0	8.45	228.6					
09/09/2010	23:37:39	-9	0.0	8.45	228.6					
09/09/2010	23:39:13	-7	0.0	8.45	228.7	Bump Top Plug				
09/09/2010	23:39:14	-7	0.0	8.45	228.7	End Displacement				
09/09/2010	23:39:19	-7	0.0	8.45	228.7					
09/09/2010	23:40:26	-6	0.0	8.44	230.2	85 bbl Displacement				
09/09/2010	23:40:27	-6	0.0	8.44	230.2	Float Held				
09/09/2010	23:40:28	-6	0.0	8.44	230.2	Full Returns During Displacement				
09/09/2010	23:40:29	-6	0.0	8.44	230.2	45 bbl Cement to Surface				

Well Twin Creek 1-10C1	Field Mamm Creek	Job Start Sep/09/2010	Customer Encana	Job Number B2IJ-00228
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.8	N2	Mud	Maximum Rate 5.0		Total Slurry 119.0	Mud 0.0	Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 4023	Final 44	Average 362	Bump Plug to 950	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 86.8 bbl		Mix Water Temp 65 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 45.0 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"/>
								-		-