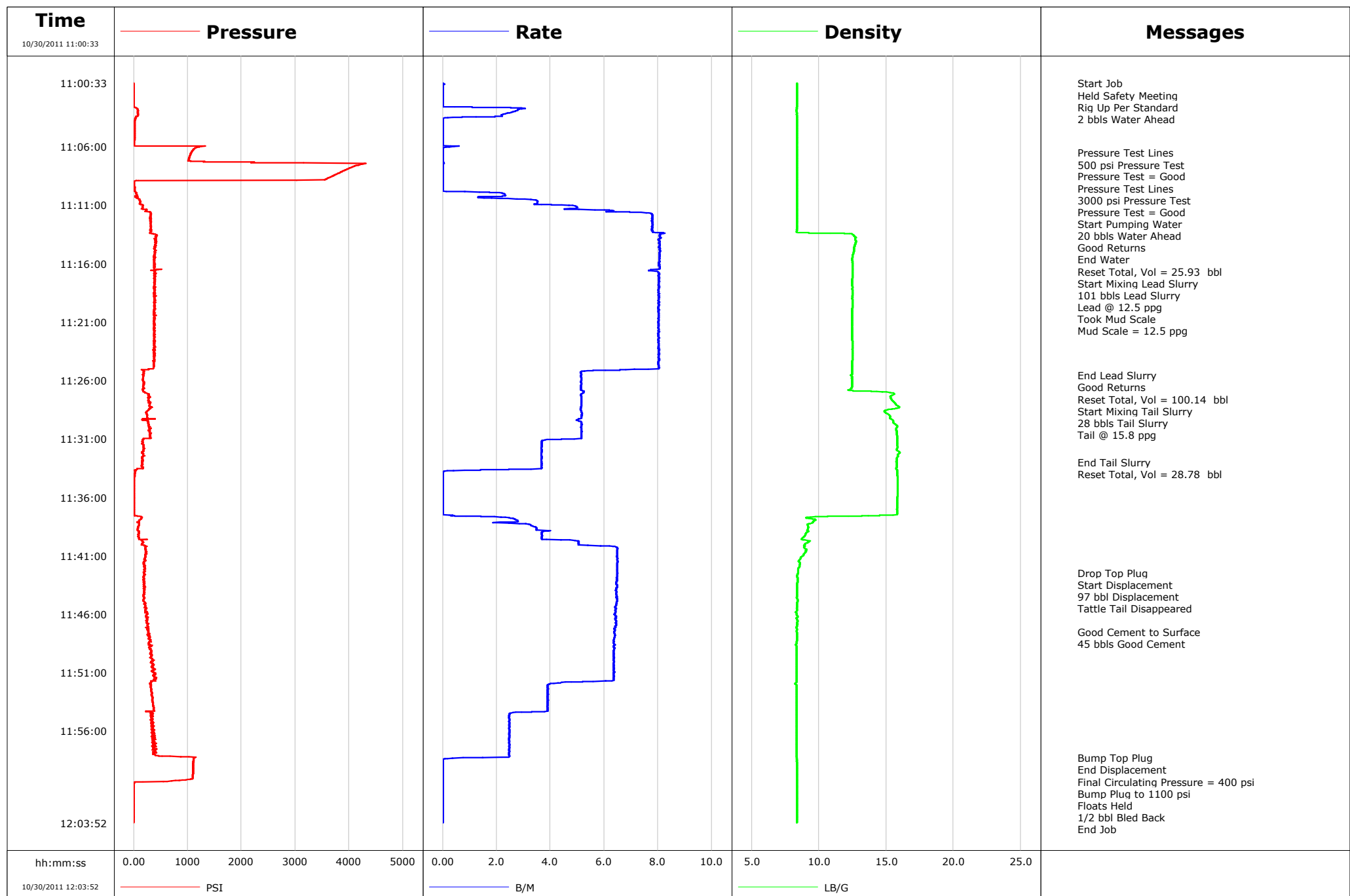


Well Benzel Fee 25-8D
Field Mamm Creek
Engineer Ryan Bowditch
Country United States

Client EnCana
SIR No. BY6X-00002
Job Type 9 5/8" Production Casing
Job Date 10-30-2011



Cementing Service Report

					Customer EnCana			Job Number BY6X-00002	
Well Benzel Fee 25-8D			Location (legal) F25NW		Schlumberger Location Grand Junction, CO			Job Start Oct/30/2011	
Field Mamm Creek		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in		Well MD 1304.0 ft		Well TVD 1304.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 95 degF		BHCT 82 degF		Pore Press. Gradient lb/gal
Well Master		API/UWI							
Rig Name Patterson 326	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			
	1304.0	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		Thread		
Service Line Cementing	Job Type 9 5/8" Production Casing				0.0	0.0			
		0.0	0.0						
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				Diameter in			
	ft	ft							
Service Instructions Cement 9 5/8" Surface Casing with: 20 bbls Water Ahead 101 bbls 12.5 ppq Lead Slurry (268 sks @ 2.11 ctf/sk) 28 bbls 15.8 ppq Tail Slurry (134 sks @ 1.17 ctf/sk) Displace 97 bbls Water	Treat Down Casing	Displacement 97.2 bbl		Packer Type		Packer Depth ft			
	Tubing Vol. bbl	Casing Vol. 100.8 bbl		Annular Vol. 76.0 bbl		Openhole Vol. 180.0 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 400 psi	Shoe Type Float	Squeeze Type							
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 1304.0 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/30/2011	Arrived on Location Oct/30/2011		Leave Location Oct/30/2011	Collar Type Float		Tail Pipe Depth ft			
	Collar Depth 1258.0 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		
10/30/2011	11:00:33	-3	0.0	8.38	0.0	0	Started Acquisition		
10/30/2011	11:00:34	-3	0.0	8.38	0.0	0	Held Safety Meeting		
10/30/2011	11:02:13	-6	0.0	8.38	0.0	0			
10/30/2011	11:03:53	16	0.0	8.37	2.1	0			
10/30/2011	11:05:33	9	0.0	8.37	2.1	0			
10/30/2011	11:06:30	1067	0.0	8.37	2.2	0	Pressure Test Lines		
10/30/2011	11:07:13	1053	0.0	8.37	2.2	0			
10/30/2011	11:08:00	3931	0.0	8.37	2.2	0	Pressure Test Lines		
10/30/2011	11:08:53	3024	0.0	8.37	2.2	0			
10/30/2011	11:10:33	109	3.4	8.37	3.6	0			
10/30/2011	11:12:13	313	7.8	8.36	13.1	0			
10/30/2011	11:12:16	307	7.8	8.36	13.5	0	Start Pumping Water		
10/30/2011	11:12:17	304	7.8	8.36	13.6	0	20 bbls Water Ahead		
10/30/2011	11:13:49	408	8.1	12.72	25.7	31	End Water		
10/30/2011	11:13:50	408	8.1	12.73	25.8	31	Reset Total, Vol = 25.93 bbl		
10/30/2011	11:13:53	386	8.0	12.69	26.2	32			
10/30/2011	11:14:41	391	8.1	12.60	32.6	32	Start Mixing Lead Slurry		
10/30/2011	11:14:43	373	8.1	12.61	32.9	32	101 bbls Lead Slurry		
10/30/2011	11:15:30	379	8.0	12.48	39.2	31	Took Mud Scale		
10/30/2011	11:15:33	397	8.0	12.47	39.6	30			
10/30/2011	11:17:13	392	8.0	12.48	53.0	29			

Well			Field		Job Start	Customer		Job Number
Benzel Fee 25-8D			Mamm Creek		Oct/30/2011	EnCana		BY6X-00002
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
10/30/2011	11:20:33	385	8.0	12.45	79.7	29		
10/30/2011	11:22:13	379	8.0	12.47	93.0	28		
10/30/2011	11:23:53	387	8.0	12.50	106.4	29		
10/30/2011	11:25:33	168	5.1	12.35	118.5	21		
10/30/2011	11:25:34	168	5.1	12.35	118.6	21	End Lead Slurry	
10/30/2011	11:25:41	173	5.1	12.44	119.2	21	Good Returns	
10/30/2011	11:27:00	198	5.2	14.69	126.0	41	Reset Total, Vol = 100.14 bbl	
10/30/2011	11:27:13	285	5.1	15.56	127.1	42		
10/30/2011	11:27:56	268	5.2	15.62	130.8	44	Start Mixing Tail Slurry	
10/30/2011	11:27:57	268	5.2	15.64	130.9	44	28 bbls Tail Slurry	
10/30/2011	11:27:58	303	5.2	15.65	131.0	44	Tail @ 15.8 ppg	
10/30/2011	11:28:53	234	5.2	15.09	135.7	45		
10/30/2011	11:30:33	307	5.1	15.78	144.2	46		
10/30/2011	11:32:13	155	3.7	15.98	151.1	50		
10/30/2011	11:32:59	155	3.7	15.75	153.9	60	End Tail Slurry	
10/30/2011	11:33:13	166	3.7	15.77	154.8	64	Reset Total, Vol = 28.78 bbl	
10/30/2011	11:33:53	22	0.0	15.81	156.5	0		
10/30/2011	11:35:33	6	0.0	15.84	156.5	0		
10/30/2011	11:37:13	1	0.0	15.80	156.5	0		
10/30/2011	11:38:53	90	3.9	9.15	160.1	21		
10/30/2011	11:40:33	212	6.5	9.07	168.0	16		
10/30/2011	11:42:13	186	6.5	8.44	178.8	7		
10/30/2011	11:42:28	193	6.5	8.43	180.4	2	Drop Top Plug	
10/30/2011	11:42:30	185	6.5	8.43	180.6	3	Start Displacement	
10/30/2011	11:42:31	185	6.5	8.43	180.7	6	97 bbl Displacement	
10/30/2011	11:42:45	185	6.5	8.38	182.2	12	Tattle Tail Disappeared	
10/30/2011	11:43:53	195	6.5	8.37	189.6	12		
10/30/2011	11:45:33	229	6.4	8.36	200.3	10		
10/30/2011	11:47:13	257	6.4	8.34	211.0	6		
10/30/2011	11:47:33	270	6.4	8.35	213.1	21	Good Cement to Surface	
10/30/2011	11:48:53	284	6.4	8.35	221.6	0		
10/30/2011	11:50:33	352	6.3	8.35	232.2	0		
10/30/2011	11:52:13	310	3.9	8.35	241.8	0		
10/30/2011	11:53:53	362	3.9	8.35	248.3	0		
10/30/2011	11:55:33	330	2.5	8.35	253.2	0		
10/30/2011	11:57:13	405	2.5	8.35	257.3	0		
10/30/2011	11:58:18	1132	1.5	8.35	260.0	0	Bump Top Plug	
10/30/2011	11:58:19	1132	0.8	8.35	260.0	0	End Displacement	
10/30/2011	11:58:22	1114	0.2	8.35	260.0	0	Final Circulating Pressure = 400 psi	
10/30/2011	11:58:53	1104	0.0	8.35	260.1	0		
10/30/2011	12:00:33	-0	0.0	8.35	260.1	0		
10/30/2011	12:01:57	-6	0.0	8.35	260.1	0	Floats Held	
10/30/2011	12:01:58	-6	0.0	8.35	260.1	0	1/2 bbl Bled Back	
10/30/2011	12:02:13	-6	0.0	8.36	260.1	0		
10/30/2011	12:03:45	-7	0.0	8.35	260.1	0	End Job	

Well Benzel Fee 25-8D	Field Mamm Creek	Job Start Oct/30/2011	Customer EnCana	Job Number BY6X-00002
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.6	N2	Mud	Maximum Rate 8.3		Total Slurry 129.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 4308	Final -7	Average 389	Bump Plug to 1100	Breakdown	Type	Volume bbl		Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 129.0 bbl		Displacement 97.0 bbl		Mix Water Temp 75 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 Norman McReary			Schlumberger Supervisor Ryan Bowditch			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
						-		-	