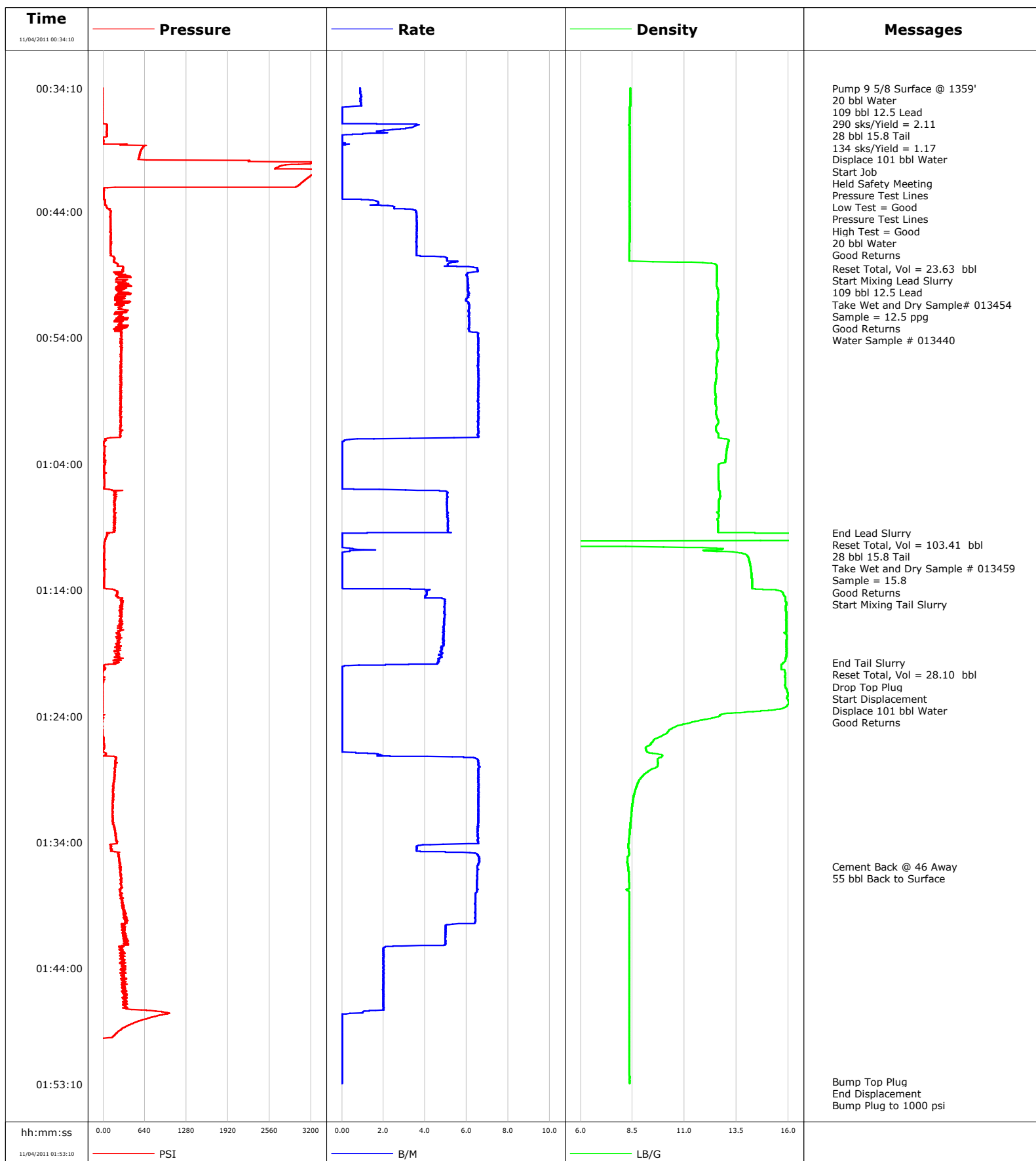


Well Benzel Fee 24-16D
Field Mamm Creek
Engineer Tom Leduc
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 11-03-2011



Cementing Service Report

					Customer		Job Number				
					Encana		BUNM-00339				
Well				Location (legal)		Schlumberger Location		Job Start			
Benzel Fee 24-16D 24-16D				Mamm Creek		Grand Junction		Nov/03/2011			
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD			
Mamm Creek		Shale		0 deg	12.3 in	1365.0 ft		1365.0 ft			
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient				
Garfield		Colorado									
Well Master		API/UWI			95 degF	82 degF					
Rig Name	Drilled For	Service Via	Casing/Liner								
Patterson 326	Gas	Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread				
Offshore Zone	Well Class	Well Type	1359.0	9.630	36.0	K55	8RD				
	New	Development	0.0	0.000	0.0						
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe							
Bentonite		9.30 lb/gal	35.000 cP	Depth,	Size,	Weight,	Grade	Thread			
Service Line	Job Type										
Cementing	9 5/8 Surface										
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole							
3000 psi	500 psi	Single Cement head		Top,	Bottom,		No. of Shots	Total Interval			
Service Instructions 9 5/8 Surface @ 1359'								Diameter			
				Treat Down		Displacement		Packer Type		Packer Depth	
				Casing		101.0 bbl					
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.					
		103.0 bbl		79.0 bbl		187.0 bbl					
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job				
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
Lift Pressure		672 psi		Shoe Type		Float		Squeeze Type			
Pipe Rotated		<input type="checkbox"/>	Pipe Reciprocated	<input type="checkbox"/>	Shoe Depth		1359.0 ft		Tool Type		
No. Centralizers		14	Top Plugs	1	Bottom Plugs		Stage Tool Type		Tool Depth		
Cement Head Type		Single			Stage Tool Depth		Tail Pipe Size				
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Tail Pipe Depth			
Nov/03/2011 22:00		Nov/03/2011 22:00		Nov/04/2011 03:00		Float					
						Collar Depth		1313.0 ft			
								Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
11/04/2011	00:11:22					Started Acquisition					
11/04/2011	00:34:10	-12	0.9	8.39	0.0						
11/04/2011	00:34:11					Pump 9 5/8 Surface @ 1359'					
11/04/2011	00:34:11	-12	0.9	8.39	0.0						
11/04/2011	00:34:12					20 bbl Water					
11/04/2011	00:34:12					109 bbl 12.5 Lead					
11/04/2011	00:34:12					290 sks/Yield = 2.11					
11/04/2011	00:34:12					28 bbl 15.8 Tail					
11/04/2011	00:34:12					134 sks/Yield = 1.17					
11/04/2011	00:34:12					Displace 101 bbl Water					
11/04/2011	00:34:12	-12	0.9	8.40	0.0						
11/04/2011	00:34:14					Start Job					
11/04/2011	00:34:14	-12	0.9	8.40	0.1						
11/04/2011	00:34:16					Held Safety Meeting					
11/04/2011	00:34:16	-12	0.9	8.40	0.1						
11/04/2011	00:34:22					Pressure Test Lines					
11/04/2011	00:34:22	-12	0.9	8.40	0.2						
11/04/2011	00:34:24					Low Test = Good					
11/04/2011	00:34:24	-12	0.9	8.40	0.2						
11/04/2011	00:34:26					Pressure Test Lines					
11/04/2011	00:34:26	-12	0.9	8.40	0.2						

Well			Field		Job Start		Customer		Job Number	
Benzel Fee 24-16D 24-16D			Mamm Creek		Nov/03/2011		Encana		BUNM-00339	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/04/2011	00:34:27	-12	0.9	8.40	0.3					
11/04/2011	00:34:28					20 bbl Water				
11/04/2011	00:34:28	-12	0.9	8.40	0.3					
11/04/2011	00:34:29					Good Returns				
11/04/2011	00:34:29	-12	0.9	8.40	0.3					
11/04/2011	00:34:42	-12	0.9	8.39	0.5					
11/04/2011	00:36:22	-14	0.0	8.37	1.4					
11/04/2011	00:38:02	54	0.0	8.36	3.5					
11/04/2011	00:39:42	550	0.0	8.36	3.5					
11/04/2011	00:41:22	3137	0.0	8.37	3.5					
11/04/2011	00:43:02	24	0.9	8.36	3.6					
11/04/2011	00:44:42	111	3.6	8.36	8.3					
11/04/2011	00:46:22	116	3.6	8.36	14.3					
11/04/2011	00:48:02	179	5.2	11.87	21.1					
11/04/2011	00:48:30					Reset Total, Vol = 23.63 bbl				
11/04/2011	00:48:30	305	6.5	12.56	23.6					
11/04/2011	00:48:31					Start Mixing Lead Slurry				
11/04/2011	00:48:31	305	6.5	12.56	23.7					
11/04/2011	00:48:32					109 bbl 12.5 Lead				
11/04/2011	00:48:32					Take Wet and Dry Sample# 013454				
11/04/2011	00:48:32					Sample = 12.5 ppg				
11/04/2011	00:48:32	313	6.5	12.56	23.9					
11/04/2011	00:48:33					Good Returns				
11/04/2011	00:48:33	298	6.5	12.56	24.0					
11/04/2011	00:49:42	390	6.1	12.54	31.0					
11/04/2011	00:51:22	188	6.1	12.58	41.1					
11/04/2011	00:53:02	384	6.1	12.58	51.3					
11/04/2011	00:53:07					Water Sample # 013440				
11/04/2011	00:53:07	363	6.1	12.58	51.8					
11/04/2011	00:54:42	266	6.6	12.62	62.0					
11/04/2011	00:56:22	278	6.5	12.52	72.9					
11/04/2011	00:58:02	261	6.6	12.46	83.9					
11/04/2011	00:59:42	271	6.5	12.53	94.8					
11/04/2011	01:01:22	275	6.5	12.52	105.7					
11/04/2011	01:03:02	16	0.0	13.02	109.8					
11/04/2011	01:04:42	24	0.0	12.64	109.8					
11/04/2011	01:06:22	174	5.1	12.70	111.3					
11/04/2011	01:08:02	172	5.1	12.65	119.7					
11/04/2011	01:09:28					End Lead Slurry				
11/04/2011	01:09:28	56	1.2	14.39	127.0					
11/04/2011	01:09:40					Reset Total, Vol = 103.41 bbl				
11/04/2011	01:09:40	60	0.0	25.00	127.0					
11/04/2011	01:09:42	57	0.0	25.00	127.0					
11/04/2011	01:09:51					28 bbl 15.8 Tail				
11/04/2011	01:09:51	42	0.0	25.00	127.0					
11/04/2011	01:09:52					Take Wet and Dry Sample # 013459				
11/04/2011	01:09:52					Sample = 15.8				
11/04/2011	01:09:52					Good Returns				
11/04/2011	01:09:52	42	0.0	25.00	127.0					
11/04/2011	01:11:22	11	0.0	14.06	127.2					
11/04/2011	01:13:02	9	0.0	14.24	127.2					
11/04/2011	01:14:14					Start Mixing Tail Slurry				
11/04/2011	01:14:14	224	4.1	15.73	128.6					
11/04/2011	01:14:42	283	4.9	15.85	130.5					

Well			Field		Job Start	Customer	Job Number
Benzel Fee 24-16D 24-16D			Mamm Creek		Nov/03/2011	Encana	BUNM-00339
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/04/2011	01:18:02	243	4.9	15.89	146.9		
11/04/2011	01:19:42	223	4.7	15.83	154.8		
11/04/2011	01:19:45					End Tail Slurry	
11/04/2011	01:19:45	230	4.7	15.79	155.1		
11/04/2011	01:19:46					Reset Total, Vol = 28.10 bbl	
11/04/2011	01:19:46	230	4.6	15.77	155.1		
11/04/2011	01:19:48					Drop Top Plug	
11/04/2011	01:19:48	221	4.6	15.75	155.3		
11/04/2011	01:19:49					Start Displacement	
11/04/2011	01:19:49	221	4.6	15.73	155.4		
11/04/2011	01:19:52					Displace 101 bbl Water	
11/04/2011	01:19:52					Good Returns	
11/04/2011	01:19:52	158	4.6	15.71	155.6		
11/04/2011	01:21:22	-7	0.0	15.84	155.9		
11/04/2011	01:23:02	-15	0.0	16.01	155.9		
11/04/2011	01:24:42	-15	0.0	10.85	155.9		
11/04/2011	01:26:22	15	0.0	9.27	155.9		
11/04/2011	01:28:02	181	6.6	9.68	161.8		
11/04/2011	01:29:42	155	6.6	8.67	172.7		
11/04/2011	01:31:22	148	6.6	8.47	183.6		
11/04/2011	01:33:02	173	6.5	8.38	194.6		
11/04/2011	01:34:42	116	3.6	8.32	203.9		
11/04/2011	01:35:55					Cement Back @ 46 Away	
11/04/2011	01:35:55					55 bbl Back to Surface	
11/04/2011	01:35:55	258	6.5	8.29	211.6		
11/04/2011	01:36:22	256	6.5	8.31	214.6		
11/04/2011	01:38:02	278	6.4	8.35	225.4		
11/04/2011	01:39:42	346	6.4	8.35	236.1		
11/04/2011	01:41:22	337	5.0	8.35	245.5		
11/04/2011	01:43:02	273	2.0	8.35	251.4		
11/04/2011	01:44:42	317	2.0	8.35	254.8		
11/04/2011	01:46:22	371	2.0	8.35	258.1		
11/04/2011	01:48:02	648	0.0	8.35	260.3		
11/04/2011	01:49:42	-32	0.0	8.35	260.3		
11/04/2011	01:51:22	-33	0.0	8.36	260.3		
11/04/2011	01:53:00					Bump Top Plug	
11/04/2011	01:53:00	-33	0.0	8.36	260.3		
11/04/2011	01:53:01					End Displacement	
11/04/2011	01:53:01	-33	0.0	8.36	260.3		
11/04/2011	01:53:02	-33	0.0	8.36	260.3		
11/04/2011	01:53:03					Bump Plug to 1000 psi	
11/04/2011	01:53:03					Landing Collar Leaked	
11/04/2011	01:53:03	-33	0.0	8.36	260.3		
11/04/2011	01:53:04					Shocked @ 250 psi	
11/04/2011	01:53:04					Floats Held	
11/04/2011	01:53:04					Rig Down	
11/04/2011	01:53:04	-33	0.0	8.36	260.3		
11/04/2011	01:53:08					End Job	

Well Benzel Fee 24-16D 24-16D	Field Mamm Creek	Job Start Nov/03/2011	Customer Encana	Job Number BUNM-00339
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud 0.0	Maximum Rate 6.6	Total Slurry 260.3	Mud 0.0	Spacer 23.6	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3374	Final 0	Average 300	Bump Plug to 1000	Breakdown	Type FreshWater	Volume 299.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume 137.0 bbl		Displacement 105.1 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Norm Mcdonald			Schlumberger Supervisor Tom Leduc			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-	-		