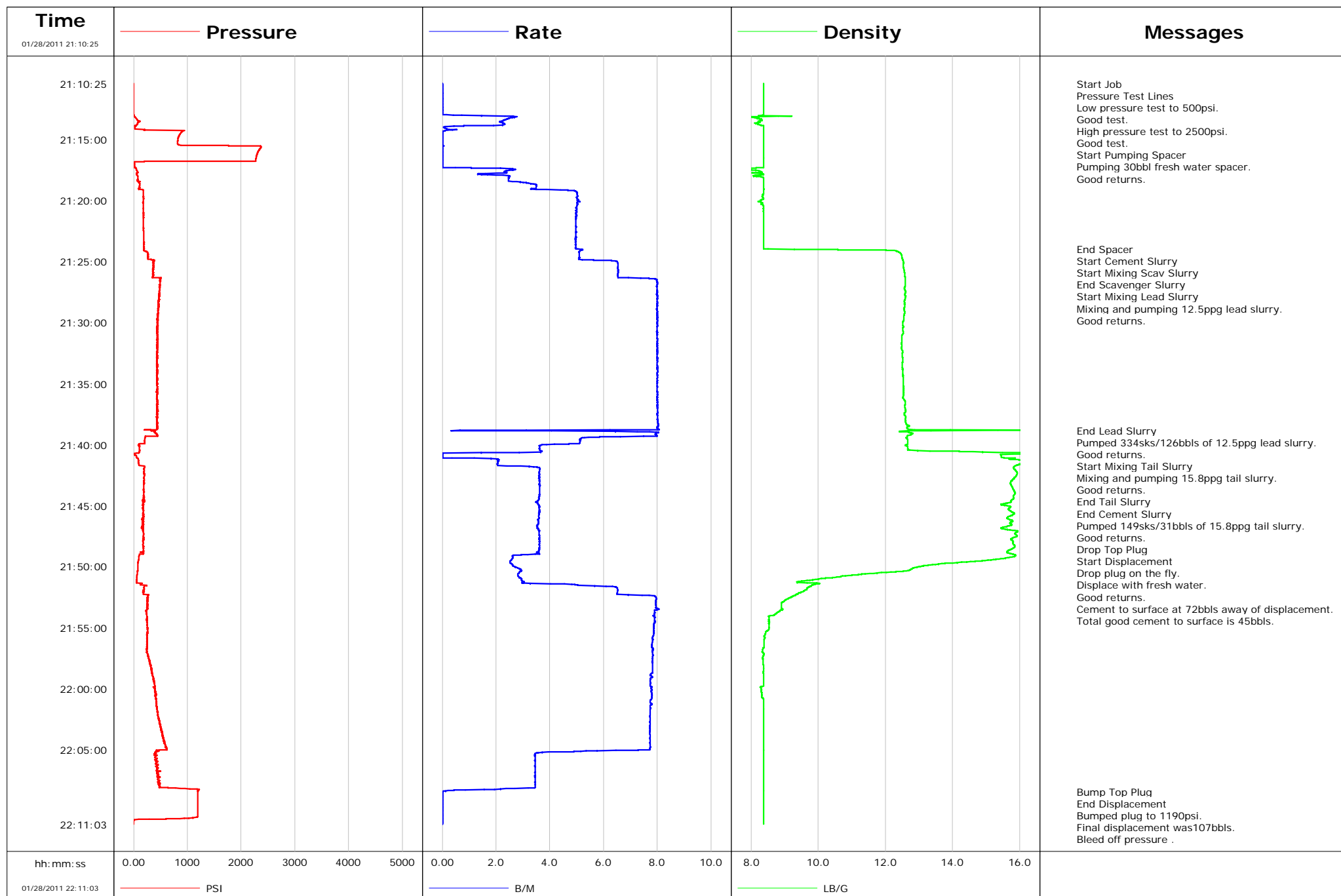


**Well** Benjamin Fed 28-14B2  
**Field** Mamm Creek  
**Engineer** Jeff Patterson  
**Country** United States

**Client** ENCANA  
**SIR No.** BAD4-00269  
**Job Type** 9 5/8" Surface  
**Job Date** 01-28-2011



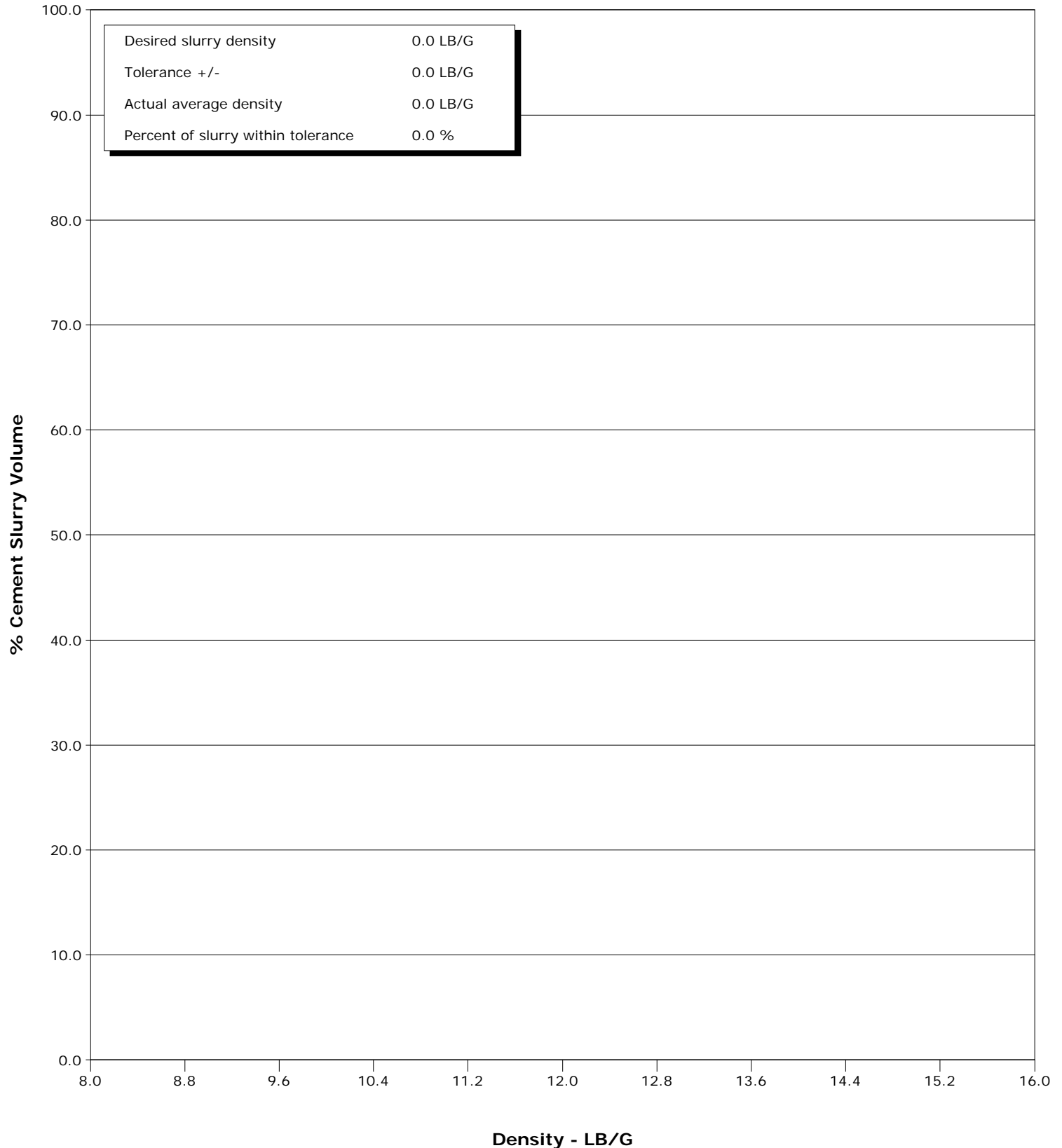


# Cementing Qa/Qc Density Report

**Well** Benjamin Fed 28-14B2  
**Field** Mamm Creek  
**Engineer** Jeff Patterson  
**Country** United States

**Client** ENCANA  
**SIR No.** BAD4-00269  
**Job Type** 9 5/8" Surface  
**Job Date** 01-28-2011

- 04/08/1972 21:14:40 to 04/08/1972 21:25:20



# Cementing Service Report

				Customer ENCANA			Job Number BAD4-00269						
Well Benjamin Fed 28-14B2 Benjamin Fed 28-14B2			Location (legal) K28NW			Schlumberger Location Grand Junction, Colorado			Job Start Jan/28/2011				
Field Mamm Creek		Formation Name/Type Shale		Deviation 0 deg		Bit Size 12.3 in		Well MD 1528.0 ft		Well TVD 1528.0 ft			
County GARFIELD		State/Province Colorado		BHP psi		BHST 98 degF		BHCT 90 degF		Pore Press. Gradient lb/gal			
Well Master 0631233170		API/UWI											
Rig Name Nabors M-15		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		1528.0		9.6		36.0			
						0.0		0.0		0.0			
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" Surface											
Max. Allowed Tub. Press 2500 psi		Max. Allowed Ann. Press psi		WH Connection 9 5/8" Cement Head		Perforations/Open Hole							
						Top, ft		Bottom, ft		shot/ft			
										No. of Shots			
										Total Interval ft			
										Diameter in			
						Treat Down Casing		Displacement 114.7 bbl		Packer Type			
										Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 118.1 bbl		Annular Vol. 88.0 bbl			
										Openhole Vol. 210.0 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 756 psi				Shoe Type Guide				Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1528.0 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 Jan/28/2011		Arrived on Location Jan/28/2011		Leave Location Jan/28/2011		Collar Type Float				Tail Pipe Depth ft			
						Collar Depth 1484.0 ft				Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message							
01/28/2011	21:10:25	-2	0.0	8.38	0.0	Started Acquisition							
01/28/2011	21:10:26	-2	0.0	8.38	0.0	Start Job							
01/28/2011	21:10:28	-2	0.0	8.38	0.0	Pressure Test Lines							
01/28/2011	21:10:29	-1	0.0	8.38	0.0	Low pressure test to 500psi.							
01/28/2011	21:10:30	-2	0.0	8.38	0.0	Good test.							
01/28/2011	21:10:34	-2	0.0	8.38	0.0	Start Pumping Spacer							
01/28/2011	21:10:37	-2	0.0	8.38	0.0	Pumping 30bbl fresh water spacer.							
01/28/2011	21:10:55	-2	0.0	8.38	0.0								
01/28/2011	21:11:25	-1	0.0	8.38	0.0								
01/28/2011	21:11:55	-1	0.0	8.38	0.0								
01/28/2011	21:12:25	-1	0.0	8.38	0.0								
01/28/2011	21:12:55	-1	0.0	8.38	0.0								
01/28/2011	21:13:25	66	2.3	8.30	0.9								
01/28/2011	21:13:55	32	0.8	8.37	2.0								
01/28/2011	21:14:25	890	0.0	8.38	2.1								
01/28/2011	21:14:55	829	0.0	8.38	2.1								
01/28/2011	21:15:25	836	0.0	8.38	2.1								
01/28/2011	21:15:55	2330	0.0	8.38	2.1								
01/28/2011	21:16:25	2281	0.0	8.38	2.1								
01/28/2011	21:16:55	11	0.0	8.38	2.1								
01/28/2011	21:17:25	46	2.6	7.41	2.2								

Well			Field		Job Start	Customer	Job Number
Benjamin Fed 28-14B2 Benjamin Fed 28-14B2			Mamm Creek		Jan/28/2011	ENCANA	BAD4-00269
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/28/2011	21:18:25	71	2.5	8.38	4.5		
01/28/2011	21:18:55	109	3.5	8.38	6.1		
01/28/2011	21:19:25	180	5.0	8.38	8.3		
01/28/2011	21:19:55	180	5.0	8.36	10.8		
01/28/2011	21:20:25	181	5.0	8.36	13.3		
01/28/2011	21:20:55	183	5.0	8.37	15.8		
01/28/2011	21:21:25	183	5.0	8.38	18.3		
01/28/2011	21:21:55	181	5.0	8.38	20.8		
01/28/2011	21:22:25	183	5.0	8.38	23.2		
01/28/2011	21:22:55	189	5.0	8.38	25.7		
01/28/2011	21:23:25	193	5.0	8.37	28.2		
01/28/2011	21:23:55	193	5.0	8.38	30.7		
01/28/2011	21:23:59	194	5.0	8.50	31.0	End Spacer	
01/28/2011	21:24:01	191	5.2	9.29	31.2	Start Cement Slurry	
01/28/2011	21:24:25	271	5.1	12.47	33.2		
01/28/2011	21:24:46	261	5.1	12.50	35.0	End Scavenger Slurry	
01/28/2011	21:24:47	262	5.1	12.51	35.1	Start Mixing Lead Slurry	
01/28/2011	21:24:48	262	5.1	12.51	35.2	Mixing and pumping 12.5ppg lead slurry.	
01/28/2011	21:24:55	389	6.1	12.53	35.8		
01/28/2011	21:25:25	368	6.5	12.53	39.1		
01/28/2011	21:25:55	366	6.5	12.57	42.3		
01/28/2011	21:26:25	481	7.8	12.59	45.7		
01/28/2011	21:26:55	478	8.0	12.59	49.6		
01/28/2011	21:27:25	486	8.0	12.59	53.6		
01/28/2011	21:27:55	477	8.0	12.60	57.6		
01/28/2011	21:28:25	457	8.0	12.57	61.6		
01/28/2011	21:28:55	452	8.0	12.55	65.6		
01/28/2011	21:29:25	458	8.0	12.55	69.6		
01/28/2011	21:29:55	443	8.0	12.53	73.6		
01/28/2011	21:30:25	443	8.0	12.53	77.6		
01/28/2011	21:30:55	439	8.0	12.52	81.6		
01/28/2011	21:31:25	430	8.0	12.49	85.6		
01/28/2011	21:31:55	445	8.0	12.48	89.6		
01/28/2011	21:32:25	434	8.0	12.51	93.6		
01/28/2011	21:32:55	444	8.0	12.51	97.6		
01/28/2011	21:33:25	445	8.0	12.50	101.6		
01/28/2011	21:33:55	435	8.0	12.51	105.6		
01/28/2011	21:34:25	435	8.0	12.52	109.6		
01/28/2011	21:34:55	435	8.0	12.53	113.6		
01/28/2011	21:35:25	436	8.0	12.54	117.5		
01/28/2011	21:35:55	433	8.0	12.54	121.5		
01/28/2011	21:36:25	434	8.0	12.58	125.5		
01/28/2011	21:36:55	442	8.0	12.57	129.5		
01/28/2011	21:37:25	431	8.0	12.56	133.5		
01/28/2011	21:37:55	439	8.0	12.59	137.5		
01/28/2011	21:38:25	435	8.0	12.64	141.5		
01/28/2011	21:38:49	318	3.1	17.40	144.6	End Lead Slurry	
01/28/2011	21:38:52	334	0.3	13.36	144.7	Pumped 334sks/126bbls of 12.5ppg lead slurry.	
01/28/2011	21:38:53	328	4.1	12.67	144.7	Good returns.	
01/28/2011	21:38:55	396	6.4	12.42	144.9		
01/28/2011	21:39:25	215	5.3	12.61	148.7		
01/28/2011	21:39:55	207	5.1	12.66	151.3		
01/28/2011	21:40:25	106	3.6	12.67	153.1		
01/28/2011	21:40:55	49	0.0	15.44	154.0		

Well			Field	Job Start	Customer	Job Number
Benjamin Fed 28-14B2 Benjamin Fed 28-14B2			Mamm Creek	Jan/28/2011	ENCANA	BAD4-00269
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/28/2011	21:41:10	84	2.1	15.66	154.1	Mixing and pumping 15.8ppg tail slurry.
01/28/2011	21:41:25	89	2.1	16.19	154.6	
01/28/2011	21:41:55	201	3.6	15.81	155.9	
01/28/2011	21:42:25	203	3.6	15.91	157.7	
01/28/2011	21:42:55	198	3.6	15.77	159.5	
01/28/2011	21:43:25	187	3.6	15.76	161.3	
01/28/2011	21:43:55	191	3.6	15.85	163.1	
01/28/2011	21:44:25	191	3.6	15.81	164.9	
01/28/2011	21:44:40	203	3.5	15.75	165.8	End Tail Slurry
01/28/2011	21:44:41	189	3.5	15.74	165.8	End Cement Slurry
01/28/2011	21:44:43	170	3.5	15.73	166.0	Pumped 149sks/31bbls of 15.8ppg tail slurry.
01/28/2011	21:44:46	180	3.5	15.68	166.1	Drop Top Plug
01/28/2011	21:44:47	180	3.5	15.63	166.2	Start Displacement
01/28/2011	21:44:48	181	3.5	15.59	166.3	Drop plug on the fly.
01/28/2011	21:44:49	173	3.5	15.59	166.3	Good returns.
01/28/2011	21:44:55	182	3.6	15.43	166.7	
01/28/2011	21:45:25	185	3.6	15.71	168.5	
01/28/2011	21:45:55	179	3.6	15.64	170.3	
01/28/2011	21:46:25	160	3.6	15.70	172.1	
01/28/2011	21:46:55	162	3.6	15.51	173.8	
01/28/2011	21:47:25	178	3.6	15.90	175.6	
01/28/2011	21:47:55	173	3.6	15.80	177.4	
01/28/2011	21:48:25	181	3.6	15.82	179.2	
01/28/2011	21:48:55	182	3.6	15.70	181.0	
01/28/2011	21:49:25	94	2.6	15.21	182.4	
01/28/2011	21:49:55	76	2.6	13.14	183.7	
01/28/2011	21:50:25	71	2.9	12.31	185.1	
01/28/2011	21:50:55	60	2.9	10.31	186.5	
01/28/2011	21:51:25	124	4.5	9.96	188.1	
01/28/2011	21:52:25	266	7.9	9.24	194.5	
01/28/2011	21:52:55	253	7.9	8.92	198.5	
01/28/2011	21:53:25	261	8.0	8.91	202.5	
01/28/2011	21:53:55	243	7.9	8.70	206.4	
01/28/2011	21:54:25	253	7.9	8.53	210.4	
01/28/2011	21:54:55	255	7.9	8.54	214.3	
01/28/2011	21:55:25	251	7.9	8.43	218.2	
01/28/2011	21:55:55	252	7.8	8.40	222.1	
01/28/2011	21:56:25	251	7.8	8.39	226.0	
01/28/2011	21:56:55	249	7.8	8.34	229.9	
01/28/2011	21:57:25	275	7.8	8.35	233.9	
01/28/2011	21:57:55	303	7.8	8.36	237.8	
01/28/2011	21:58:25	330	7.8	8.38	241.7	
01/28/2011	21:58:55	352	7.8	8.37	245.6	
01/28/2011	21:59:25	382	7.7	8.37	249.4	
01/28/2011	21:59:55	404	7.8	8.30	253.3	
01/28/2011	22:00:25	415	7.8	8.32	257.2	
01/28/2011	22:00:55	422	7.7	8.37	261.1	
01/28/2011	22:01:25	427	7.7	8.37	265.0	
01/28/2011	22:01:55	452	7.7	8.37	268.8	
01/28/2011	22:02:25	473	7.7	8.37	272.7	
01/28/2011	22:02:55	482	7.7	8.38	276.6	
01/28/2011	22:03:25	518	7.7	8.37	280.4	
01/28/2011	22:03:55	548	7.7	8.38	284.3	
01/28/2011	22:04:25	588	7.7	8.38	288.1	

Well			Field		Job Start		Customer		Job Number	
Benjamin Fed 28-14B2 Benjamin Fed 28-14B2			Mamm Creek		Jan/28/2011		ENCANA		BAD4-00269	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/28/2011	22:05:25	433		3.4	8.37	294.4				
01/28/2011	22:05:55	447		3.4	8.37	296.2				
01/28/2011	22:06:25	426		3.5	8.37	297.9				
01/28/2011	22:06:55	429		3.5	8.37	299.6				
01/28/2011	22:07:25	455		3.4	8.37	301.3				
01/28/2011	22:07:55	481		3.4	8.37	303.0				
01/28/2011	22:08:24	1192		0.0	8.38	304.1	Bump Top Plug			
01/28/2011	22:08:25	1192		0.0	8.38	304.1	End Displacement			
01/28/2011	22:08:26	1193		0.0	8.38	304.1	Bumped plug to 1190psi.			
01/28/2011	22:08:27	1195		0.0	8.38	304.1	Final displacement was107bbls.			
01/28/2011	22:08:28	1195		0.0	8.38	304.1	Total cement to surface was 45bbls.			
01/28/2011	22:08:55	1192		0.0	8.38	304.1				
01/28/2011	22:09:25	1192		0.0	8.38	304.1				
01/28/2011	22:09:55	1192		0.0	8.38	304.1				
01/28/2011	22:10:25	1193		0.0	8.38	304.1				
01/28/2011	22:10:55	-4		0.0	8.38	304.1				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.7	N2	Mud	Maximum Rate 8.1		Total Slurry 304.1	Mud 0.0	Spacer 31.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2372	Final -2	Average 391	Bump Plug to 1200	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 138.0 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 TIM PHILLIPS			Schlumberger Supervisor Jeff Patterson			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-