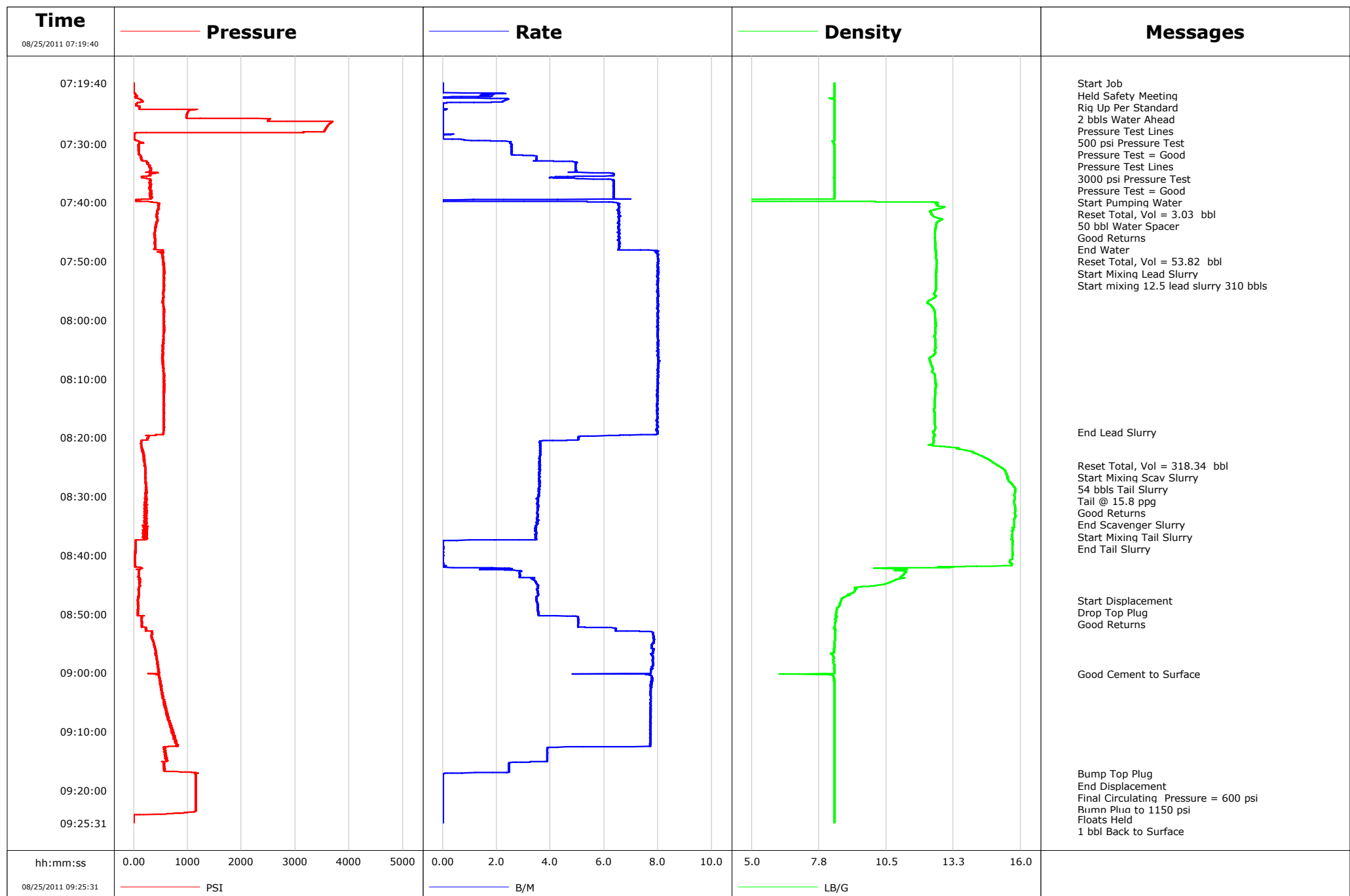


Well Benzel 35-2HM
Field Mamm Creek
Engineer Ryan Bowditch
Country United States

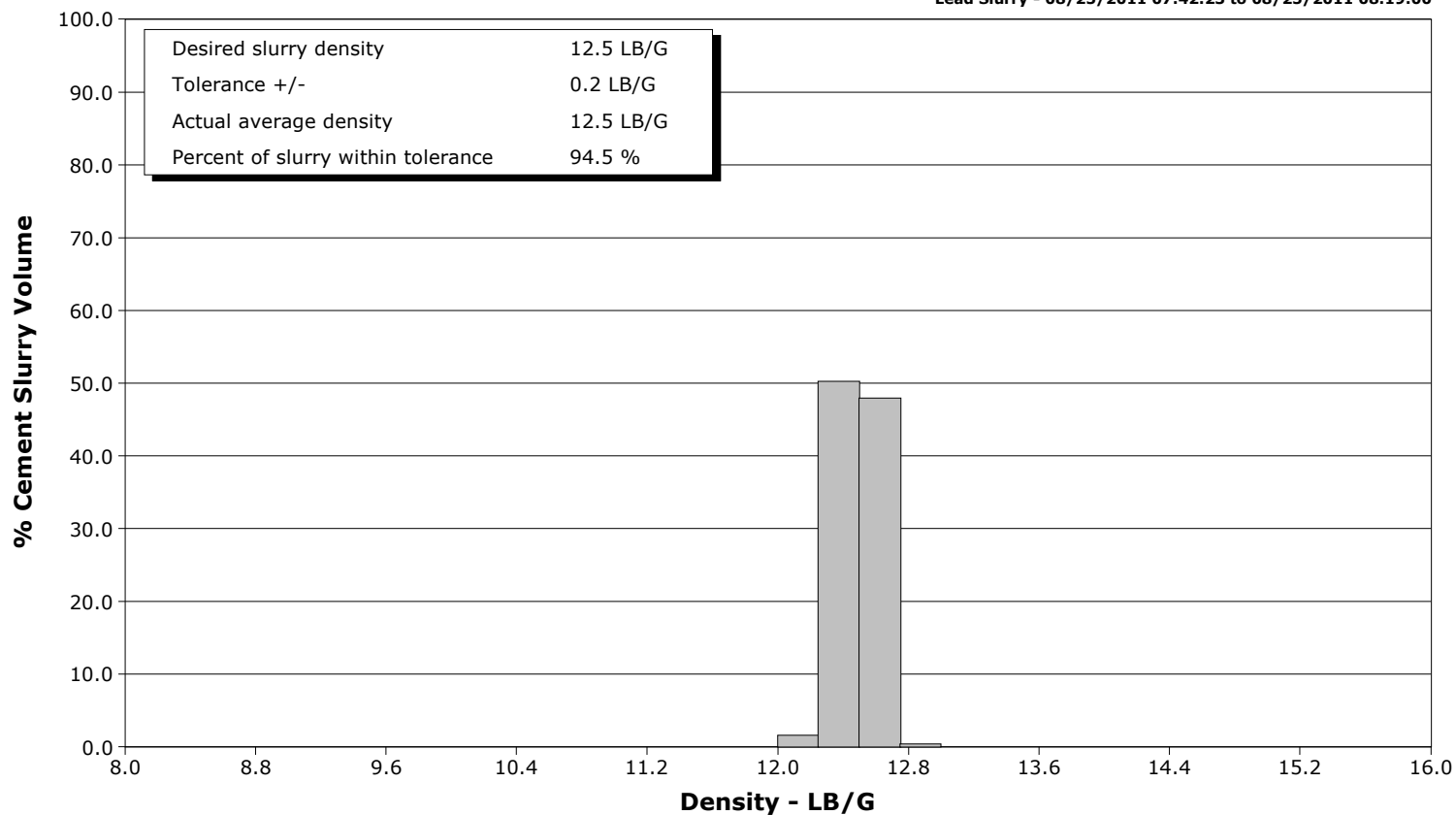
Client Encana
SIR No. BUNM-00099
Job Type Cem Surface Casing
Job Date 08-25-2011



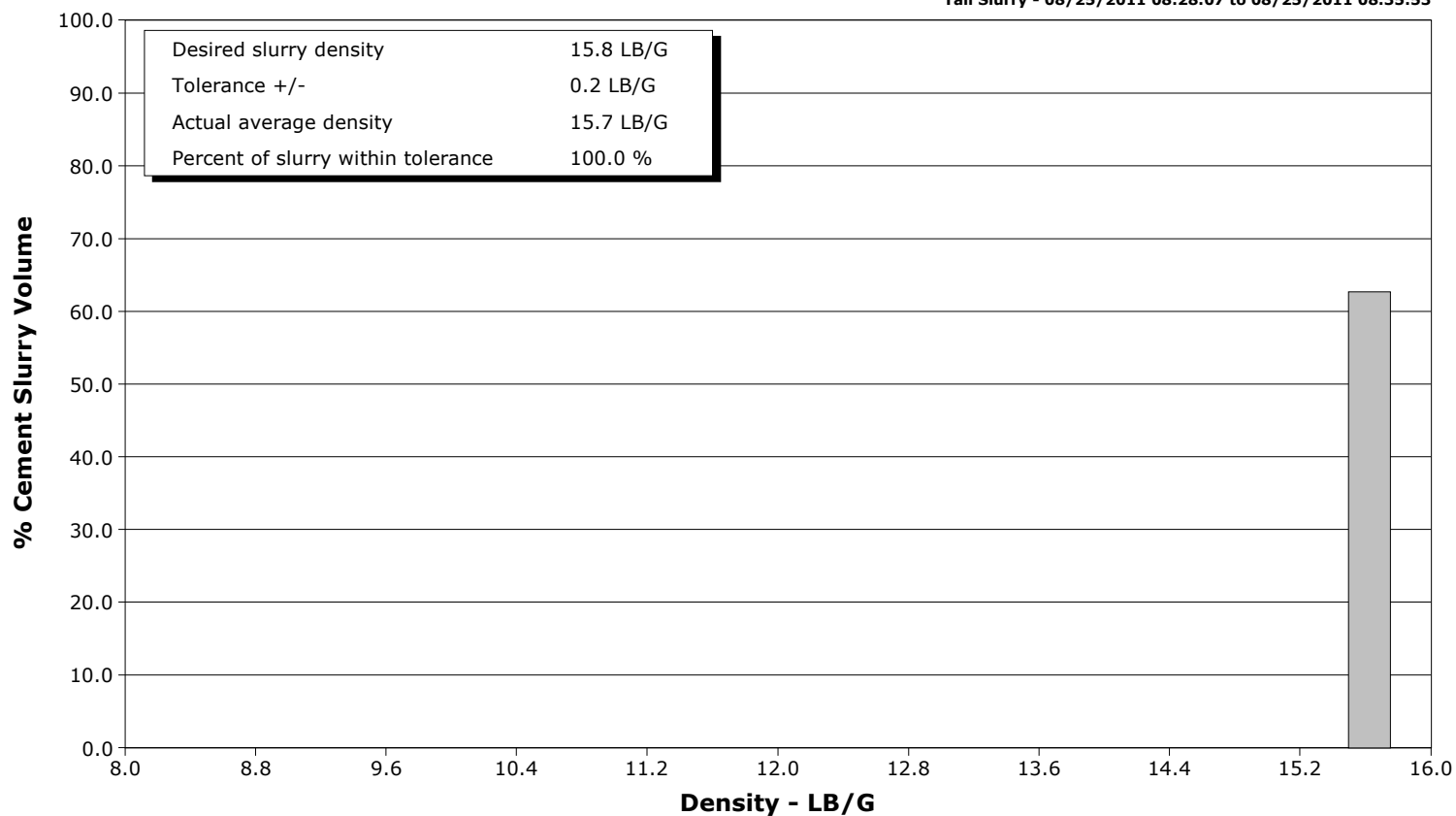
Well Benzel 35-2HM
Field Mamm Creek
Engineer Ryan Bowditch
Country United States

Client Encana
SIR No. BUNM-00099
Job Type Cem Surface Casing
Job Date 08-25-2011

Lead Slurry - 08/25/2011 07:42:23 to 08/25/2011 08:19:00



Tail Slurry - 08/25/2011 08:28:07 to 08/25/2011 08:35:53



Cementing Service Report

					Customer Encana			Job Number BUNM-00099	
Well Benzel 35-2HM Benzel 35-2HM			Location (legal) F25NW8		Schlumberger Location Grand Junction, CO			Job Start Aug/25/2011	
Field Mamm Creek		Formation Name/Type Shale		Deviation deg	Bit Size 14.8 in		Well MD 2031.0 ft		Well TVD 2031.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 110 degF	BHCT 90 degF	Pore Press. Gradient lb/gal		
Well Master 0631307626		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	20.0	94.0			
				2031.0	10.8	20.0	J-55	BTC	
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 Cem Surface Casing								
Max. Allowed Tub. Press 3000 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	
Service Instructions Cement 10 3/4" Surface Casing with: 50 bbls Water 310 bbls 12.5 ppq Lead (825 sks) 54 bbls 15.8 ppq Tail (257 sks) Displace 196 bbls Water				ft	ft				
				ft	ft			Diameter in	
				ft	ft				
	Treat Down Casing	Displacement 196.0 bbl	Packer Type		Packer Depth ft				
	Tubing Vol. bbl	Casing Vol. 200.0 bbl	Annular Vol. 208.0 bbl		Openhole Vol. 413.0 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 600 psi			Shoe Type Guide		Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2031.0 ft			Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type			Tool Depth ft		
Cement Head Type Single			Stage Tool Depth ft		Tail Pipe Size in				
Job Scheduled For Aug/25/2011		Arrived on Location Aug/25/2011		Leave Location Aug/25/2011		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 1993.0 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		
08/25/2011	07:19:40	-1	0.0	8.38	42.7	0	Started Acquisition		
08/25/2011	07:19:42	-1	0.0	8.38	42.7	0	Held Safety Meeting		
08/25/2011	07:21:20	-5	0.0	8.38	42.7	0			
08/25/2011	07:23:00	98	0.7	8.38	2.6	0			
08/25/2011	07:24:40	997	0.0	8.38	2.6	0			
08/25/2011	07:25:00	985	0.0	8.38	2.6	0	Pressure Test Lines		
08/25/2011	07:26:20	3680	0.0	8.38	2.6	0			
08/25/2011	07:27:30	3559	0.0	8.38	2.6	0	Pressure Test Lines		
08/25/2011	07:28:00	3147	0.0	8.38	2.6	0			
08/25/2011	07:29:27	51	1.3	8.38	2.8	0	Start Pumping Water		
08/25/2011	07:29:28	56	1.3	8.38	2.9	0	Reset Total, Vol = 3.03 bbl		
08/25/2011	07:29:29	56	1.6	8.38	2.9	0	50 bbl Water Spacer		
08/25/2011	07:29:40	99	2.5	8.35	3.3	0			
08/25/2011	07:31:20	88	2.5	8.37	7.5	0			
08/25/2011	07:33:00	236	4.5	8.37	12.7	0			
08/25/2011	07:34:40	318	4.9	8.37	20.9	0			
08/25/2011	07:35:06	296	6.3	8.37	23.3	0	Good Returns		
08/25/2011	07:36:20	302	6.3	8.37	30.2	0			
08/25/2011	07:38:00	297	6.3	8.37	40.8	0			
08/25/2011	07:39:40	47	0.0	3.06	50.2	0			
08/25/2011	07:40:19	467	6.5	12.59	53.1	23	End Water		

Well Benzel 35-2HM Benzel 35-2HM			Field Mamm Creek		Job Start Aug/25/2011		Customer Encana	Job Number BUNM-00099
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
08/25/2011	07:41:20	443	6.5	12.35	59.7	13		
08/25/2011	07:42:23	419	6.5	12.45	66.6	14	Start Mixing Lead Slurry	
08/25/2011	07:42:27	439	6.5	12.48	67.0	14	Start mixing 12.5 lead slurry 310 bbls	
08/25/2011	07:43:00	443	6.5	12.74	70.6	10		
08/25/2011	07:44:40	400	6.5	12.50	81.5	16		
08/25/2011	07:46:20	392	6.5	12.48	92.4	23		
08/25/2011	07:48:00	401	6.5	12.51	103.3	27		
08/25/2011	07:49:40	536	8.0	12.54	116.5	28		
08/25/2011	07:51:20	559	8.0	12.54	129.8	29		
08/25/2011	07:53:00	556	8.0	12.53	143.1	29		
08/25/2011	07:54:40	559	8.0	12.53	156.4	29		
08/25/2011	07:56:20	539	8.0	12.42	169.7	28		
08/25/2011	07:58:00	551	8.0	12.42	183.0	27		
08/25/2011	07:59:40	558	8.0	12.50	196.3	29		
08/25/2011	08:01:20	558	8.0	12.51	209.6	29		
08/25/2011	08:03:00	557	8.0	12.48	222.9	29		
08/25/2011	08:04:40	540	8.0	12.52	236.2	29		
08/25/2011	08:06:20	529	8.0	12.30	249.5	30		
08/25/2011	08:08:00	544	8.0	12.37	262.9	28		
08/25/2011	08:09:40	558	8.0	12.49	276.2	28		
08/25/2011	08:11:20	567	8.0	12.52	289.5	29		
08/25/2011	08:13:00	559	8.0	12.49	302.8	28		
08/25/2011	08:14:40	556	8.0	12.46	316.1	29		
08/25/2011	08:16:20	550	8.0	12.47	329.3	29		
08/25/2011	08:18:00	561	8.0	12.49	342.6	29		
08/25/2011	08:19:00	549	8.0	12.41	350.6	29	End Lead Slurry	
08/25/2011	08:19:40	229	6.2	12.46	355.7	30		
08/25/2011	08:21:20	137	3.6	12.37	363.0	26		
08/25/2011	08:23:00	185	3.6	14.32	369.0	39		
08/25/2011	08:24:40	205	3.6	15.02	375.0	43	Reset Total, Vol = 318.34 bbl	
08/25/2011	08:24:41	205	3.6	15.03	375.0	43	54 bbls Tail Slurry	
08/25/2011	08:25:01	207	3.6	15.17	376.2	43	Good Returns	
08/25/2011	08:26:20	210	3.6	15.43	381.0	45		
08/25/2011	08:28:00	221	3.6	15.65	386.9	46		
08/25/2011	08:28:06	229	3.6	15.66	387.3	46	End Scavenger Slurry	
08/25/2011	08:28:07	226	3.6	15.66	387.3	46	Start Mixing Tail Slurry	
08/25/2011	08:29:40	226	3.6	15.74	392.9	46		
08/25/2011	08:31:20	222	3.5	15.74	398.8	46		
08/25/2011	08:33:00	247	3.5	15.75	404.6	46		
08/25/2011	08:34:40	201	3.5	15.72	410.5	47		
08/25/2011	08:35:53	235	3.4	15.62	414.7	38	End Tail Slurry	
08/25/2011	08:36:20	181	3.5	15.65	416.3	37		
08/25/2011	08:38:00	32	0.0	15.66	420.1	0		
08/25/2011	08:39:40	28	0.0	15.66	420.1	0		
08/25/2011	08:41:20	26	0.0	15.60	420.1	0		
08/25/2011	08:43:00	88	2.9	11.28	422.3	21		
08/25/2011	08:44:40	100	3.5	10.63	427.5	24		
08/25/2011	08:46:20	89	3.5	9.16	433.4	24		
08/25/2011	08:47:40	72	3.5	8.66	438.1	7	Start Displacement	
08/25/2011	08:47:42	72	3.5	8.65	438.2	7	Good Returns	
08/25/2011	08:48:00	79	3.5	8.63	439.2	7		
08/25/2011	08:49:40	74	3.5	8.45	445.1	8		
08/25/2011	08:51:20	144	5.0	8.43	452.5	4		
08/25/2011	08:53:00	331	7.7	8.42	461.9	9		

Well Benzel 35-2HM Benzel 35-2HM			Field Mamm Creek		Job Start Aug/25/2011	Customer Encana		Job Number BUNM-00099
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
08/25/2011	08:56:20	399	7.8	8.36	487.9	3		
08/25/2011	08:58:00	442	7.8	8.35	500.9	7		
08/25/2011	08:59:40	453	7.7	8.37	513.9	19		
08/25/2011	09:00:13	395	6.9	6.12	518.0	0	Good Cement to Surface	
08/25/2011	09:01:20	490	7.7	8.36	526.6	0		
08/25/2011	09:03:00	504	7.7	8.37	539.5	0		
08/25/2011	09:04:40	547	7.7	8.37	552.4	0		
08/25/2011	09:06:20	584	7.7	8.37	565.3	0		
08/25/2011	09:08:00	633	7.7	8.37	578.1	0		
08/25/2011	09:09:40	707	7.7	8.37	591.0	0		
08/25/2011	09:11:20	774	7.7	8.37	603.8	0		
08/25/2011	09:13:00	560	3.9	8.37	615.2	0		
08/25/2011	09:14:40	607	3.9	8.37	621.6	0		
08/25/2011	09:16:20	566	2.5	8.37	626.5	0		
08/25/2011	09:17:06	1155	0.1	8.37	628.2	0	Bump Top Plug	
08/25/2011	09:17:08	1153	0.0	8.37	628.2	0	Final Circulating Pressure = 600 psi	
08/25/2011	09:18:00	1146	0.0	8.37	628.2	0		
08/25/2011	09:19:40	1144	0.0	8.37	628.2	0		
08/25/2011	09:21:20	1144	0.0	8.37	628.2	0		
08/25/2011	09:23:00	1145	0.0	8.37	628.2	0		
08/25/2011	09:24:40	-5	0.0	8.37	628.2	0		
08/25/2011	09:24:55	-5	0.0	8.37	628.2	0	Floats Held	

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 5.8	N2	Mud	Maximum Rate 8.1	Total Slurry 628.3	Mud 0.0	Spacer 66.8	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3698	Final -5	Average 482	Bump Plug to 1150	Breakdown	Type	Volume bbl	Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 364.0 bbl	Displacement 190.1 bbl	Mix Water Temp 73 degF	Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume 130.0 bbl				
				Washed Thru Perfs		<input type="checkbox"/>	To ft				
Customer or Authorized Representative Kurt Childeres			Schlumberger Supervisor Ryan Bowditch			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>				
						-	-				