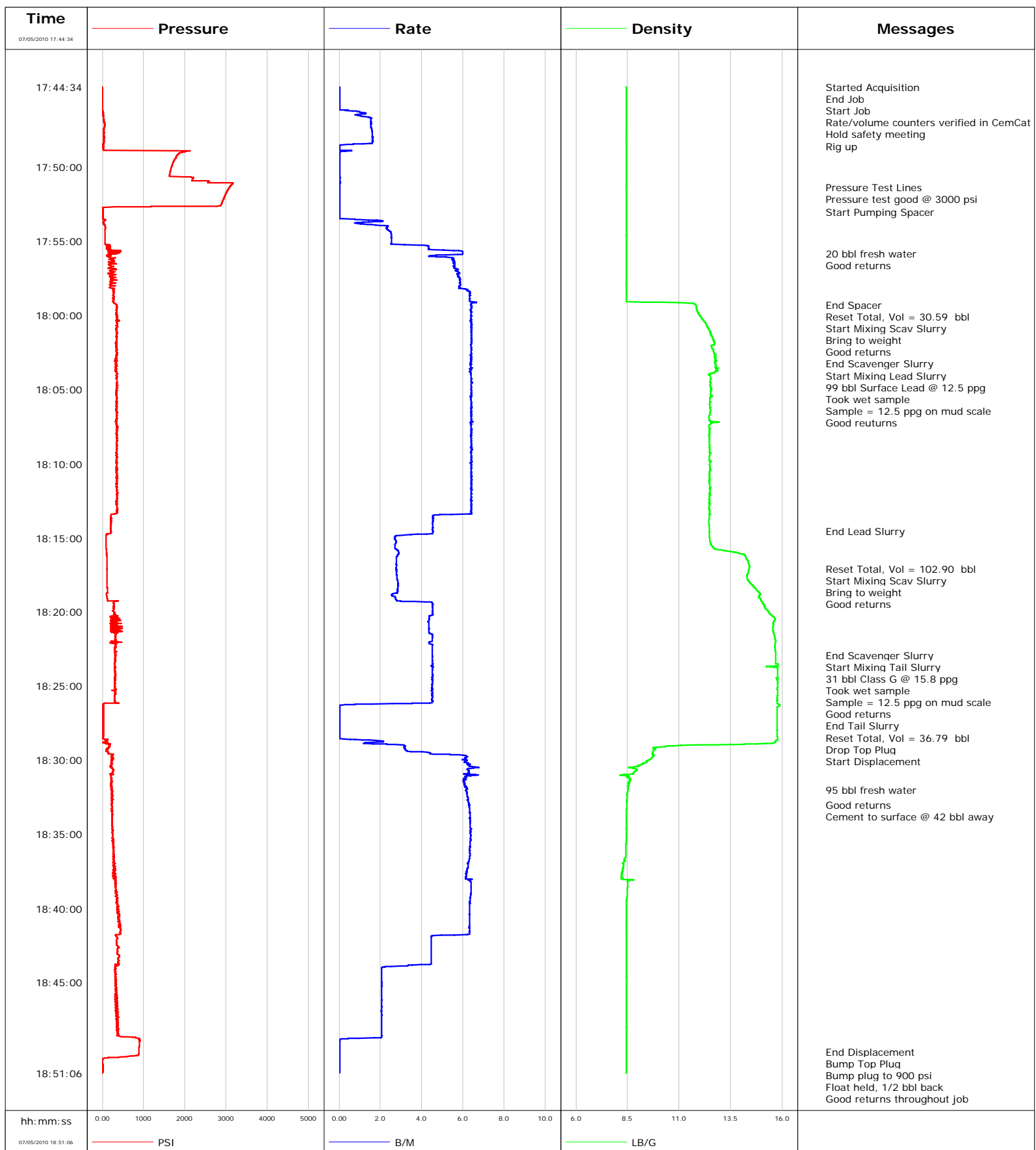


Well GMR 8-6
Field Mamm Creek
Engineer Dave Wanczyk
Country United States

Client Encana
SIR No. B2IJ-00187
Job Type 9 5/8" Surface Casing
Job Date 07-05-2010





Cementing Service Report

				Customer Encana		Job Number B2IJ-00187	
Well GMR 8-6		Location (legal)		Schlumberger Location Grand Junction, CO		Job Start Jul/05/2010	
Field Mamm Creek		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1289.0 ft	Well TVD 1289.0 ft
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 88 degF	Pore Press. Gradient
Well Master 06310802278		API/UWI					
Rig Name Nabors M13	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	16.000	65.0	J55	8RD
			1289.0	9.630	36.0	J55	8RD
Drilling Fluid Type Bentonite		Max. Density 10.00 lb/gal	Plastic Viscosity 16.000 cP	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
Service Line Cementing	Job Type 9 5/8" Surface Casing						
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi	WH Connection Single Cement head	Perforations/Open Hole			
				Top,	Bottom,	No. of Shots	Total Interval
							Diameter
Service Instructions Cement 9 5/8" Surface Casing at 1250ft 20bbls Water 264 12.5ppg Lead 149sks 15.8ppg Tail 80% Annular Excess				Treat Down Casing	Displacement 96.3 bbl	Packer Type	Packer Depth
				Tubing Vol.	Casing Vol. 99.7 bbl	Annular Vol. 75.0 bbl	Openhole Vol. 187.0 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 638 psi				Shoe Type Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1289.0 ft		Tool Type	
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth	
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Jul/05/2010		Arrived on Location Jul/05/2010	Leave Location Jul/05/2010	Collar Type Diff-Fill		Tail Pipe Depth	
				Collar Depth 1245.0 ft		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/05/2010	17:44:34					Started Acquisition	
07/05/2010	17:44:34	-3	0.0	8.44	0.0		
07/05/2010	17:45:03					End Job	
07/05/2010	17:45:03					Start Job	
07/05/2010	17:45:03					Rate/volume counters verified in CemCat	
07/05/2010	17:45:03	-3	0.0	8.44	0.0		
07/05/2010	17:45:04					Hold safety meeting	
07/05/2010	17:45:04	-3	0.0	8.44	0.0		
07/05/2010	17:45:05					Rig up	
07/05/2010	17:45:05	-3	0.0	8.44	0.0		
07/05/2010	17:46:14	4	0.9	8.44	0.1		
07/05/2010	17:47:54	38	1.6	8.44	2.5		
07/05/2010	17:49:34	1736	0.0	8.43	3.4		
07/05/2010	17:51:14	3110	0.0	8.44	3.4		
07/05/2010	17:51:20					Pressure Test Lines	
07/05/2010	17:51:20	3083	0.0	8.44	3.4		
07/05/2010	17:51:21					Pressure test good @ 3000 psi	
07/05/2010	17:51:21	3079	0.0	8.44	3.4		
07/05/2010	17:52:54	2	0.0	8.44	3.5		
07/05/2010	17:53:00					Start Pumping Spacer	
07/05/2010	17:53:00	7	0.0	8.44	3.5		

Well			Field		Job Start		Customer	Job Number
GMR 8-6			Mamm Creek		Jul/05/2010		Encana	B2IJ-00187
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/05/2010	17:55:49					20 bbl fresh water		
07/05/2010	17:55:49	382	6.0	8.43	10.1			
07/05/2010	17:55:50					Good returns		
07/05/2010	17:55:50	153	6.0	8.43	10.2			
07/05/2010	17:56:14	194	5.5	8.43	12.3			
07/05/2010	17:57:54	184	5.9	8.44	21.9			
07/05/2010	17:59:16					End Spacer		
07/05/2010	17:59:16	332	6.4	11.78	30.4			
07/05/2010	17:59:18					Reset Total, Vol = 30.59 bbl		
07/05/2010	17:59:18	352	6.4	11.80	30.6			
07/05/2010	17:59:19					Start Mixing Scav Slurry		
07/05/2010	17:59:19	352	6.4	11.81	30.7			
07/05/2010	17:59:21					Bring to weight		
07/05/2010	17:59:21	351	6.4	11.82	30.9			
07/05/2010	17:59:22					Good returns		
07/05/2010	17:59:22	360	6.4	11.82	31.0			
07/05/2010	17:59:34	352	6.4	11.84	32.3			
07/05/2010	18:01:14	338	6.4	12.53	43.0			
07/05/2010	18:01:44					End Scavenger Slurry		
07/05/2010	18:01:44	353	6.4	12.71	46.2			
07/05/2010	18:02:00					Start Mixing Lead Slurry		
07/05/2010	18:02:00	331	6.4	12.62	47.9			
07/05/2010	18:02:54	330	6.4	12.75	53.6			
07/05/2010	18:04:07					99 bbl Surface Lead @ 12.5 ppg		
07/05/2010	18:04:07					Took wet sample		
07/05/2010	18:04:07					Sample = 12.5 ppg on mud scale		
07/05/2010	18:04:07	352	6.4	12.52	61.4			
07/05/2010	18:04:08					Good reuturns		
07/05/2010	18:04:08	361	6.4	12.52	61.5			
07/05/2010	18:04:34	343	6.4	12.52	64.3			
07/05/2010	18:06:14	352	6.4	12.49	74.9			
07/05/2010	18:07:54	355	6.4	12.47	85.6			
07/05/2010	18:09:34	351	6.4	12.47	96.3			
07/05/2010	18:11:14	346	6.4	12.47	106.9			
07/05/2010	18:12:54	354	6.4	12.44	117.6			
07/05/2010	18:14:34					End Lead Slurry		
07/05/2010	18:14:34	196	4.6	12.46	126.1			
07/05/2010	18:16:14	109	2.8	14.21	131.1			
07/05/2010	18:17:05					Reset Total, Vol = 102.90 bbl		
07/05/2010	18:17:05	113	2.8	14.39	133.5			
07/05/2010	18:17:11					Start Mixing Scav Slurry		
07/05/2010	18:17:11	113	2.8	14.38	133.8			
07/05/2010	18:17:13					Bring to weight		
07/05/2010	18:17:13					Good returns		
07/05/2010	18:17:13	115	2.8	14.37	133.9			
07/05/2010	18:17:54	117	2.8	14.36	135.8			
07/05/2010	18:19:34	284	4.5	15.12	140.9			
07/05/2010	18:21:14	257	4.3	15.54	148.2			
07/05/2010	18:22:54					End Scavenger Slurry		
07/05/2010	18:22:54	328	4.5	15.68	155.7			
07/05/2010	18:23:00					Start Mixing Tail Slurry		
07/05/2010	18:23:00	309	4.5	15.68	156.1			
07/05/2010	18:23:36					31 bbl Class G @ 15.8 ppg		
07/05/2010	18:23:36					Took wet sample		

Well			Field	Job Start		Customer	Job Number
GMR 8-6			Mamm Creek	Jul/05/2010		Encana	B2IJ-00187
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/05/2010	18:23:36	304	4.5	15.79	158.8		
07/05/2010	18:23:37					Good returns	
07/05/2010	18:23:37	292	4.5	15.79	158.9		
07/05/2010	18:24:34	299	4.5	15.75	163.2		
07/05/2010	18:25:55					End Tail Slurry	
07/05/2010	18:25:55	291	4.5	15.75	169.3		
07/05/2010	18:26:08					Reset Total, Vol = 36.79 bbl	
07/05/2010	18:26:08	315	4.5	15.75	170.3		
07/05/2010	18:26:14	17	0.8	15.86	170.6		
07/05/2010	18:26:57					Drop Top Plug	
07/05/2010	18:26:57	15	0.0	15.76	170.6		
07/05/2010	18:26:58					Start Displacement	
07/05/2010	18:26:58	15	0.0	15.76	170.6		
07/05/2010	18:27:54	16	0.0	15.75	170.6		
07/05/2010	18:29:34	146	4.4	9.70	173.3		
07/05/2010	18:31:14	206	6.0	8.63	183.6		
07/05/2010	18:32:00					95 bbl fresh water	
07/05/2010	18:32:00	227	6.2	8.52	188.3		
07/05/2010	18:32:54	226	6.3	8.46	193.9		
07/05/2010	18:33:00					Good returns	
07/05/2010	18:33:00	224	6.3	8.46	194.5		
07/05/2010	18:33:01					Cement to surface @ 42 bbl away	
07/05/2010	18:33:01	233	6.3	8.46	194.6		
07/05/2010	18:34:34	240	6.4	8.44	204.4		
07/05/2010	18:36:14	274	6.3	8.41	215.0		
07/05/2010	18:37:54	292	6.1	8.21	225.4		
07/05/2010	18:39:34	355	6.3	8.44	236.0		
07/05/2010	18:41:14	393	6.3	8.44	246.6		
07/05/2010	18:42:54	364	4.5	8.44	255.1		
07/05/2010	18:44:34	319	2.1	8.44	260.8		
07/05/2010	18:46:14	364	2.1	8.44	264.3		
07/05/2010	18:47:54	359	2.0	8.44	267.7		
07/05/2010	18:49:34	888	0.0	8.44	269.5		
07/05/2010	18:49:40					End Displacement	
07/05/2010	18:49:40	886	0.0	8.44	269.5		
07/05/2010	18:49:50					Bump Top Plug	
07/05/2010	18:49:50	881	0.0	8.44	269.5		
07/05/2010	18:49:51					Bump plug to 900 psi	
07/05/2010	18:49:51	880	0.0	8.44	269.5		
07/05/2010	18:50:48					Float held, 1/2 bbl back	
07/05/2010	18:50:48					Good returns throughout job	
07/05/2010	18:50:48	1	0.0	8.44	269.5		
07/05/2010	18:50:49					53 bbl cement to surface	
07/05/2010	18:50:49	1	0.0	8.44	269.5		
07/05/2010	18:50:57					End Job	
07/05/2010	18:50:57	1	0.0	8.44	269.5		

Well	GMR 8-6	Field	Mamm Creek	Job Start	Jul/05/2010	Customer	Encana	Job Number	B2IJ-00187
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.5			6.8	130.0		20.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
3000	0	255	900					
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
	130.0 bbl		95.0 bbl	70 degF	<input checked="" type="checkbox"/>	53.0 bbl		
					Washed Thru Perfs	To		
					<input type="checkbox"/>			
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Charlie Brown			Dave Wanczyk		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
					-	-		