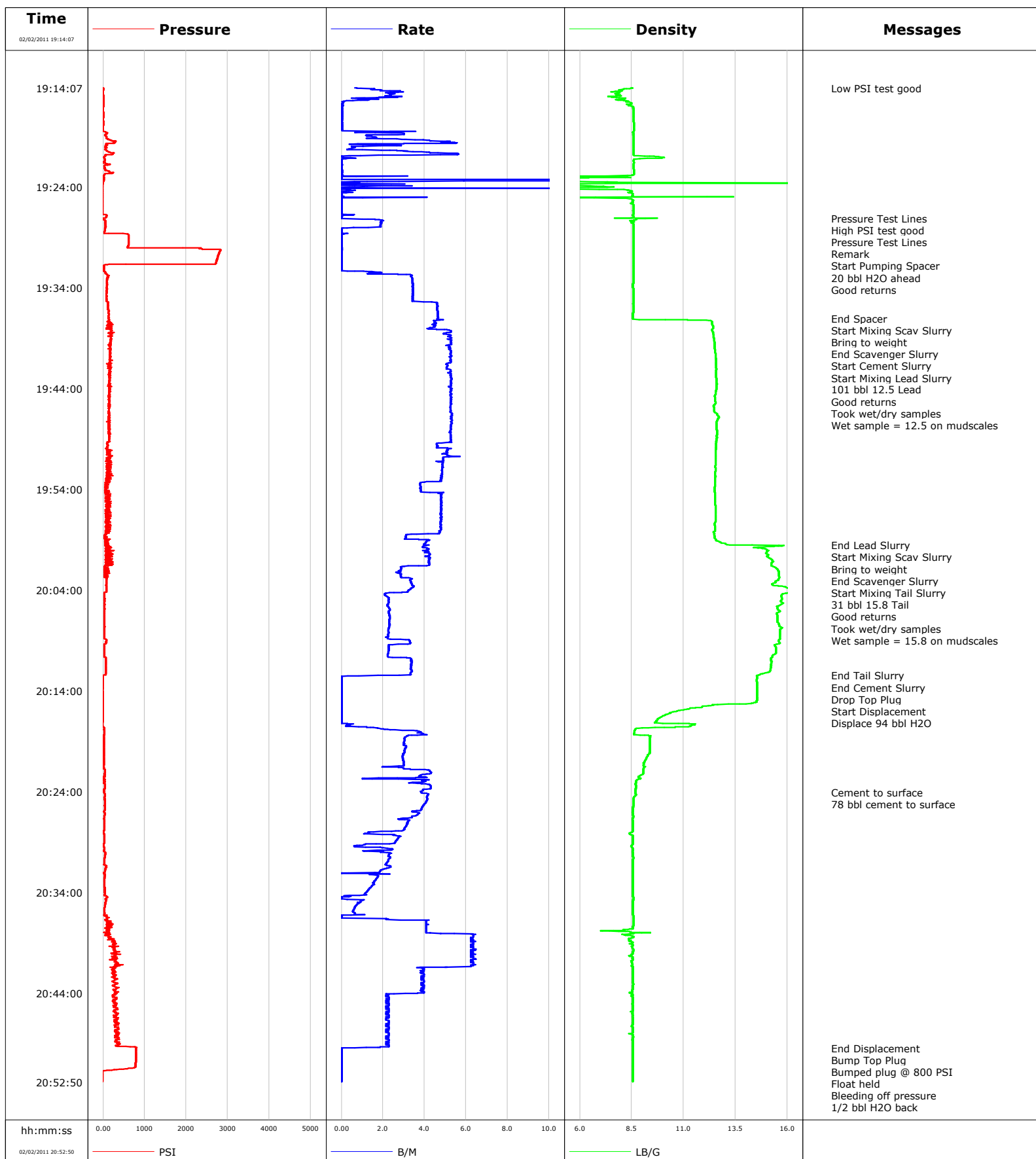


Well GMR 8-5C1
Field Mamm Creek
Engineer Matt Fair
Country United States

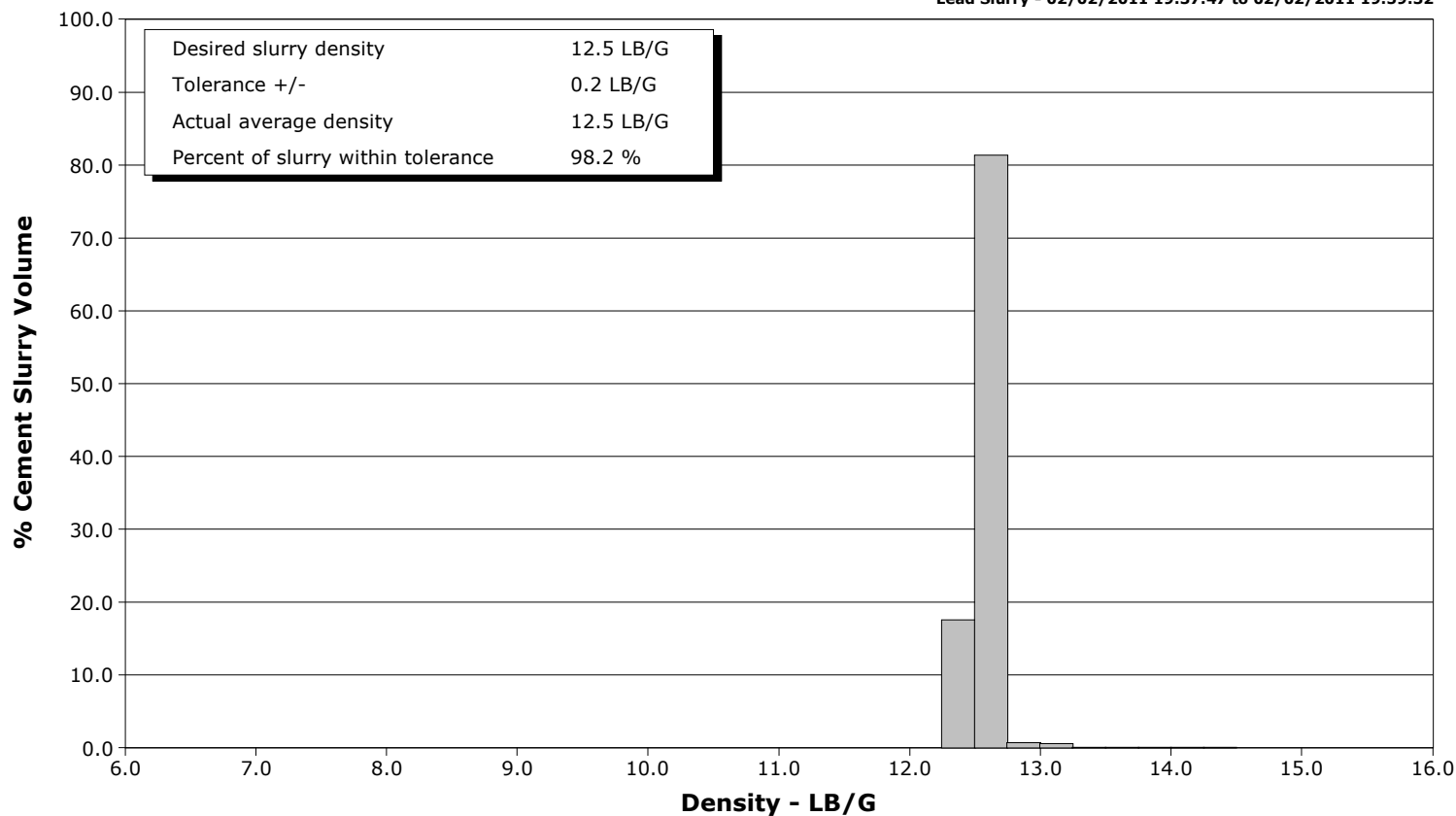
Client Encana
SIR No. B708-00311
Job Type 9 5/8 Surface
Job Date 02-02-2011



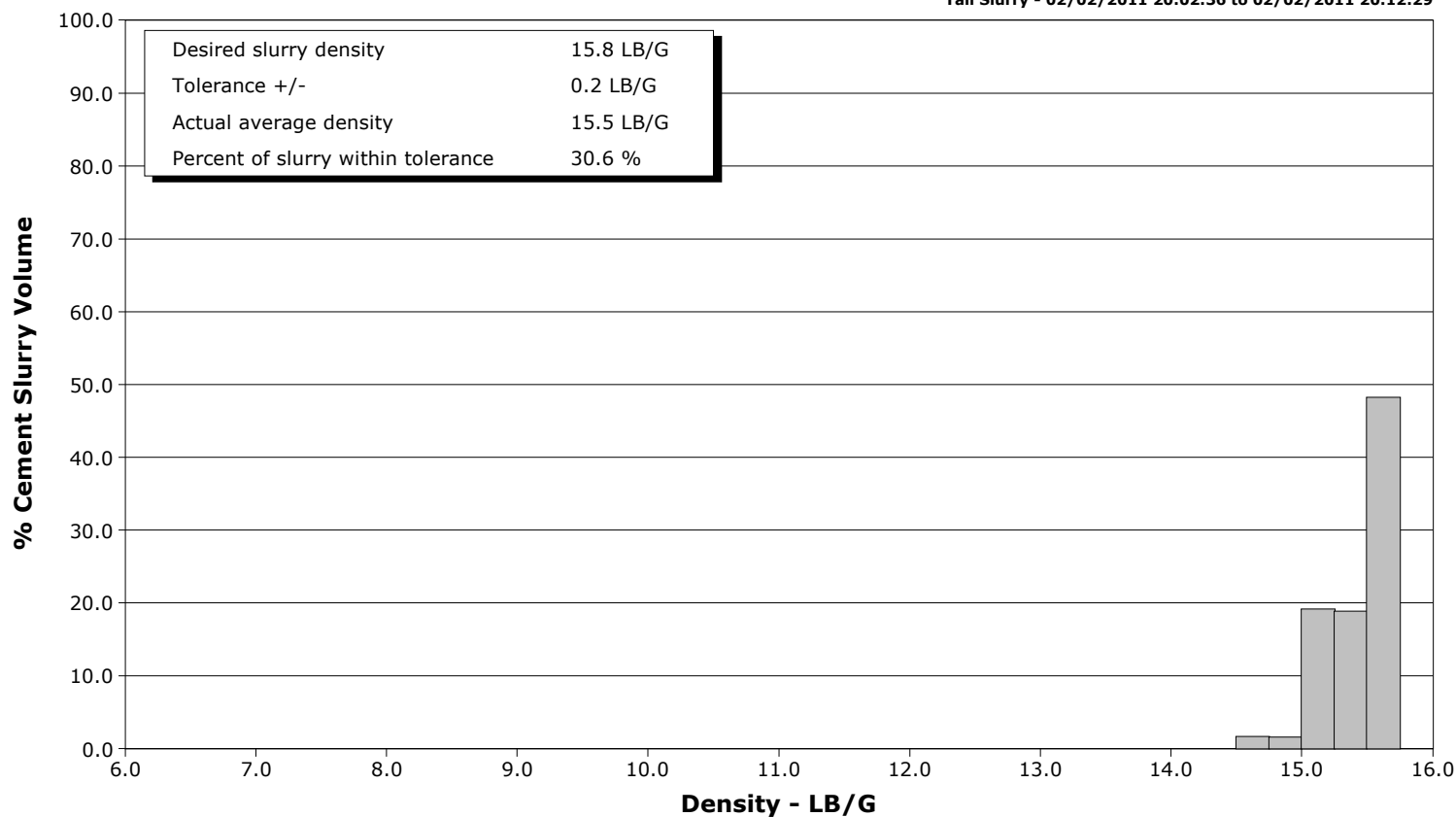
Well GMR 8-5C1
Field Mamm Creek
Engineer Matt Fair
Country United States

Client Encana
SIR No. B708-00311
Job Type 9 5/8 Surface
Job Date 02-02-2011

Lead Slurry - 02/02/2011 19:37:47 to 02/02/2011 19:59:32



Tail Slurry - 02/02/2011 20:02:36 to 02/02/2011 20:12:29





Cementing Service Report

				Customer Encana		Job Number B708-00311		
Well GMR 8-5C1			Location (legal)		Schlumberger Location		Job Start Feb/02/2011	
Field Mamm Creek		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1260.0 ft	Well TVD 1260.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 83 degF	Pore Press. Gradient	
Well Master 0631179484		API/UWI						
Rig Name Patterson 330		Drilled For Gas	Service Via Land	Casing/Liner				
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone		Well Class New	Well Type Exploration	60.0	16.000	65.0	N/A	N/A
				1260.0	9.630	36.0	K55	8RD
Drilling Fluid Type Bentonite		Max. Density 9.50 lb/gal	Plastic Viscosity 0.000 cP	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type 9 5/8 Surface						
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi	WH Connection 9 5/8	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
								Diameter
				Treat Down Casing	Displacement 94.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 98.0 bbl	Annular Vol. 75.0 bbl	Openhole Vol. 177.0 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 623 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1260.0 ft		Tool Type		
No. Centralizers 15		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Feb/02/2011 12:00		Arrived on Location Feb/02/2011 12:00		Leave Location Feb/02/2011 21:00		Collar Type Float		Tail Pipe Depth
						Collar Depth 1215.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/02/2011	17:00:32					Started Acquisition		
02/02/2011	17:00:45					Rig up per STD 5		
02/02/2011	17:00:45					Safety meeting		
02/02/2011	19:14:07	-0	0.4	8.24	0.0			
02/02/2011	19:14:12					Low PSI test good		
02/02/2011	19:14:12	5	0.9	8.49	0.1			
02/02/2011	19:15:32	2	0.1	8.35	2.5			
02/02/2011	19:17:12	-2	0.0	8.60	2.6			
02/02/2011	19:18:52	37	1.2	8.58	3.6			
02/02/2011	19:20:32	158	4.2	8.58	7.6			
02/02/2011	19:22:12	54	0.0	8.59	9.2			
02/02/2011	19:23:52	-13	3.4	6.49	12.2			
02/02/2011	19:25:32	-17	0.0	8.57	13.0			
02/02/2011	19:27:05					Pressure Test Lines		
02/02/2011	19:27:05	3	0.0	7.67	13.0			
02/02/2011	19:27:06					High PSI test good		
02/02/2011	19:27:06	-15	0.0	9.74	13.0			
02/02/2011	19:27:12	-11	1.6	8.75	13.1			
02/02/2011	19:28:08					Pressure Test Lines		
02/02/2011	19:28:08	44	0.0	8.58	14.6			
02/02/2011	19:28:09					Remark		

Well			Field		Job Start		Customer		Job Number	
GMR 8-5C1			Mamm Creek		Feb/02/2011		Encana		B708-00311	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/02/2011	19:28:52	612	0.0	8.58	14.6					
02/02/2011	19:30:32	2794	0.0	8.58	14.6					
02/02/2011	19:31:16					Start Pumping Spacer				
02/02/2011	19:31:16	2736	0.0	8.58	14.6					
02/02/2011	19:31:17					20 bbl H2O ahead				
02/02/2011	19:31:17	2735	0.0	8.58	14.6					
02/02/2011	19:31:19					Good returns				
02/02/2011	19:31:19	2732	0.0	8.58	14.6					
02/02/2011	19:32:12	13	0.0	8.58	14.6					
02/02/2011	19:33:52	88	3.4	8.57	19.3					
02/02/2011	19:35:32	109	4.6	8.57	25.2					
02/02/2011	19:37:01					End Spacer				
02/02/2011	19:37:01	121	4.6	8.57	32.0					
02/02/2011	19:37:04					Start Mixing Scav Slurry				
02/02/2011	19:37:04	121	4.6	8.57	32.3					
02/02/2011	19:37:05					Bring to weight				
02/02/2011	19:37:05	120	4.6	8.57	32.3					
02/02/2011	19:37:12	146	4.8	11.21	32.9					
02/02/2011	19:37:46					End Scavenger Slurry				
02/02/2011	19:37:46	94	4.5	12.41	35.4					
02/02/2011	19:37:47					Start Cement Slurry				
02/02/2011	19:37:47					Start Mixing Lead Slurry				
02/02/2011	19:37:47	172	4.5	12.41	35.5					
02/02/2011	19:37:49					101 bbl 12.5 Lead				
02/02/2011	19:37:49					Good returns				
02/02/2011	19:37:49					Took wet/dry samples				
02/02/2011	19:37:49	211	4.5	12.42	35.7					
02/02/2011	19:37:50					Wet sample = 12.5 on mudscales				
02/02/2011	19:37:50	169	4.5	12.42	35.7					
02/02/2011	19:38:52	194	5.2	12.45	40.8					
02/02/2011	19:40:32	171	5.3	12.53	49.6					
02/02/2011	19:42:12	157	5.2	12.57	58.2					
02/02/2011	19:43:52	171	5.2	12.58	67.0					
02/02/2011	19:45:32	130	5.3	12.51	75.8					
02/02/2011	19:47:12	136	5.3	12.61	84.6					
02/02/2011	19:48:52	157	5.3	12.60	93.4					
02/02/2011	19:50:32	94	5.1	12.54	101.7					
02/02/2011	19:52:12	126	4.9	12.53	109.9					
02/02/2011	19:53:52	125	3.8	12.49	117.3					
02/02/2011	19:55:32	64	4.8	12.52	124.8					
02/02/2011	19:57:12	113	4.8	12.53	132.8					
02/02/2011	19:58:52	32	3.1	12.50	140.1					
02/02/2011	19:59:32					End Lead Slurry				
02/02/2011	19:59:32					Start Mixing Scav Slurry				
02/02/2011	19:59:32	60	4.2	14.29	142.7					
02/02/2011	19:59:34					Bring to weight				
02/02/2011	19:59:34	149	4.1	15.58	142.8					
02/02/2011	20:00:32	74	4.2	15.08	146.8					
02/02/2011	20:02:12	132	2.9	15.58	153.0					
02/02/2011	20:02:35					End Scavenger Slurry				
02/02/2011	20:02:35	26	2.8	15.59	154.1					
02/02/2011	20:02:36					Start Mixing Tail Slurry				
02/02/2011	20:02:36					31 bbl 15.8 Tail				
02/02/2011	20:02:36	32	2.8	15.59	154.2					

Well			Field		Job Start	Customer	Job Number
GMR 8-5C1			Mamm Creek		Feb/02/2011	Encana	B708-00311
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/02/2011	20:02:37					Took wet/dry samples	
02/02/2011	20:02:37					Wet sample = 15.8 on mudscales	
02/02/2011	20:02:37	32	2.9	15.59	154.2		
02/02/2011	20:03:52	79	3.3	16.16	158.3		
02/02/2011	20:05:32	34	2.2	15.61	162.4		
02/02/2011	20:07:12	34	2.3	15.52	166.3		
02/02/2011	20:08:52	66	2.4	15.64	170.0		
02/02/2011	20:10:32	29	2.2	15.28	174.3		
02/02/2011	20:12:12	64	3.3	15.04	179.7		
02/02/2011	20:12:29					End Tail Slurry	
02/02/2011	20:12:29	-15	2.8	14.59	180.7		
02/02/2011	20:12:30					End Cement Slurry	
02/02/2011	20:12:30	-15	1.8	14.53	180.7		
02/02/2011	20:12:35					Drop Top Plug	
02/02/2011	20:12:35	-11	0.0	14.53	180.7		
02/02/2011	20:12:36					Start Displacement	
02/02/2011	20:12:36	-11	0.0	14.53	180.7		
02/02/2011	20:13:52	-12	0.0	14.54	180.7		
02/02/2011	20:15:06					Displace 94 bbl H2O	
02/02/2011	20:15:06	-10	0.0	14.51	180.7		
02/02/2011	20:15:32	-10	0.0	12.07	180.7		
02/02/2011	20:17:12	-13	0.0	9.60	180.7		
02/02/2011	20:18:52	18	3.0	9.36	184.8		
02/02/2011	20:20:32	14	2.9	9.26	189.8		
02/02/2011	20:22:12	41	4.3	9.05	195.2		
02/02/2011	20:23:52	25	3.9	8.69	201.6		
02/02/2011	20:24:06					Cement to surface	
02/02/2011	20:24:06	32	3.9	8.68	202.5		
02/02/2011	20:24:07					78 bbl cement to surface	
02/02/2011	20:24:07	32	3.8	8.68	202.5		
02/02/2011	20:25:32	36	3.9	8.57	208.3		
02/02/2011	20:27:12	35	3.2	8.57	214.1		
02/02/2011	20:28:52	30	2.6	8.56	218.5		
02/02/2011	20:30:32	38	2.3	8.57	221.7		
02/02/2011	20:32:12	42	2.3	8.56	225.1		
02/02/2011	20:33:52	34	1.3	8.56	227.7		
02/02/2011	20:35:32	38	0.6	8.56	229.0		
02/02/2011	20:37:12	186	4.1	8.57	231.6		
02/02/2011	20:38:52	283	6.5	8.40	240.1		
02/02/2011	20:40:32	326	6.4	8.55	250.6		
02/02/2011	20:42:12	291	4.0	8.57	259.3		
02/02/2011	20:43:52	281	4.0	8.55	265.8		
02/02/2011	20:45:32	320	2.3	8.57	269.8		
02/02/2011	20:47:12	364	2.2	8.53	273.5		
02/02/2011	20:48:52	382	2.2	8.57	277.2		
02/02/2011	20:49:27					End Displacement	
02/02/2011	20:49:27	797	0.7	8.56	278.5		
02/02/2011	20:49:28					Bump Top Plug	
02/02/2011	20:49:28	789	0.1	8.56	278.5		
02/02/2011	20:49:30					Bumped plug @ 800 PSI	
02/02/2011	20:49:30	789	0.0	8.56	278.5		
02/02/2011	20:50:22					Float held	
02/02/2011	20:50:22	791	0.0	8.56	278.5		
02/02/2011	20:50:32	789	0.0	8.57	278.5		

Well			Field		Job Start	Customer	Job Number
GMR 8-5C1			Mamm Creek		Feb/02/2011	Encana	B708-00311
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/02/2011	20:51:30	631	0.0	8.55	278.5		
02/02/2011	20:51:45					1/2 bbl H2O back	
02/02/2011	20:51:45	15	0.0	8.55	278.5		
02/02/2011	20:52:12	-20	0.0	8.56	278.5		
02/02/2011	20:52:47					End Job	
02/02/2011	20:52:47	-22	0.0	8.56	278.5		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 3.3	N2	Mud 0.0	Maximum Rate 25.0	Total Slurry 133.0	Mud 0.0	Spacer 20.9	N2				
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 2836	Final -21	Average 183	Bump Plug to 800	Breakdown	Type	Volume	Density				
Avg. N2 Percent		Designed Slurry Volume 132.0 bbl		Displacement 93.7 bbl		Mix Water Temp 61 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 78.0 bbl	
								Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Mike Durkin				Schlumberger Supervisor Matt Fair				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
								-		-	



Service Order #:	
Date:	Feb/02/2011
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Matt Fair
Schlumberger FSM:	

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

2	Design / Preparation					
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2b	Equipment maintenance schedule completed / Green tagged	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2c	All materials and equipment required for job/contingency checked & on location	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
2d	Safety / pre-job meeting conducted with all involved present	2	yes	<input checked="" type="checkbox"/>	no	<input type="checkbox"/>
					Sub-total	
					100%	

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes	<input checked="" type="checkbox"/>	no <input type="checkbox"/>	10
Sub-total						100%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: