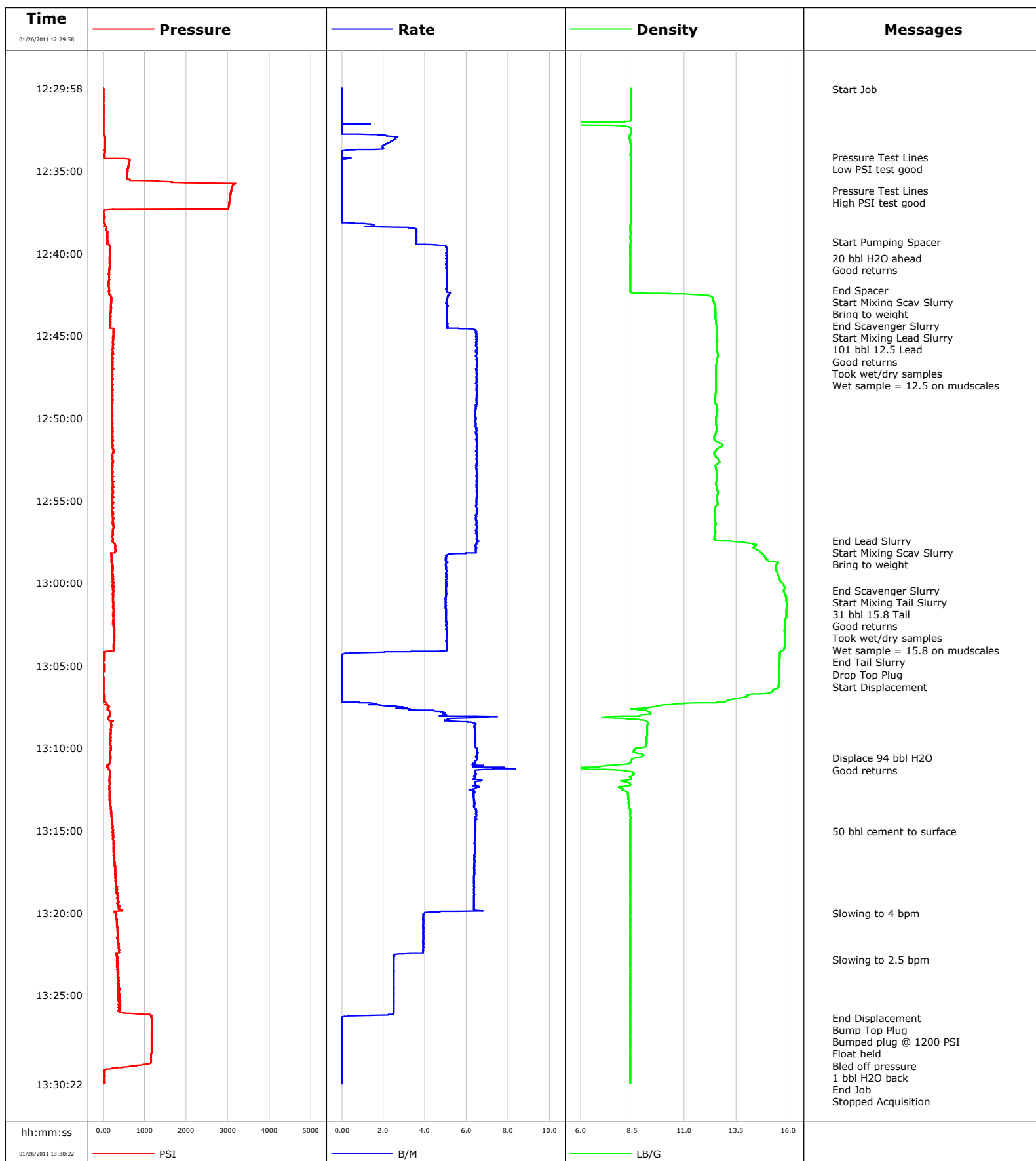


Well GMR 8-11C
Field Mamm Creek
Engineer Matt Fair
Country United States

Client Encana
SIR No. B708-00306
Job Type 9 5/8 Surface
Job Date 01-26-2011



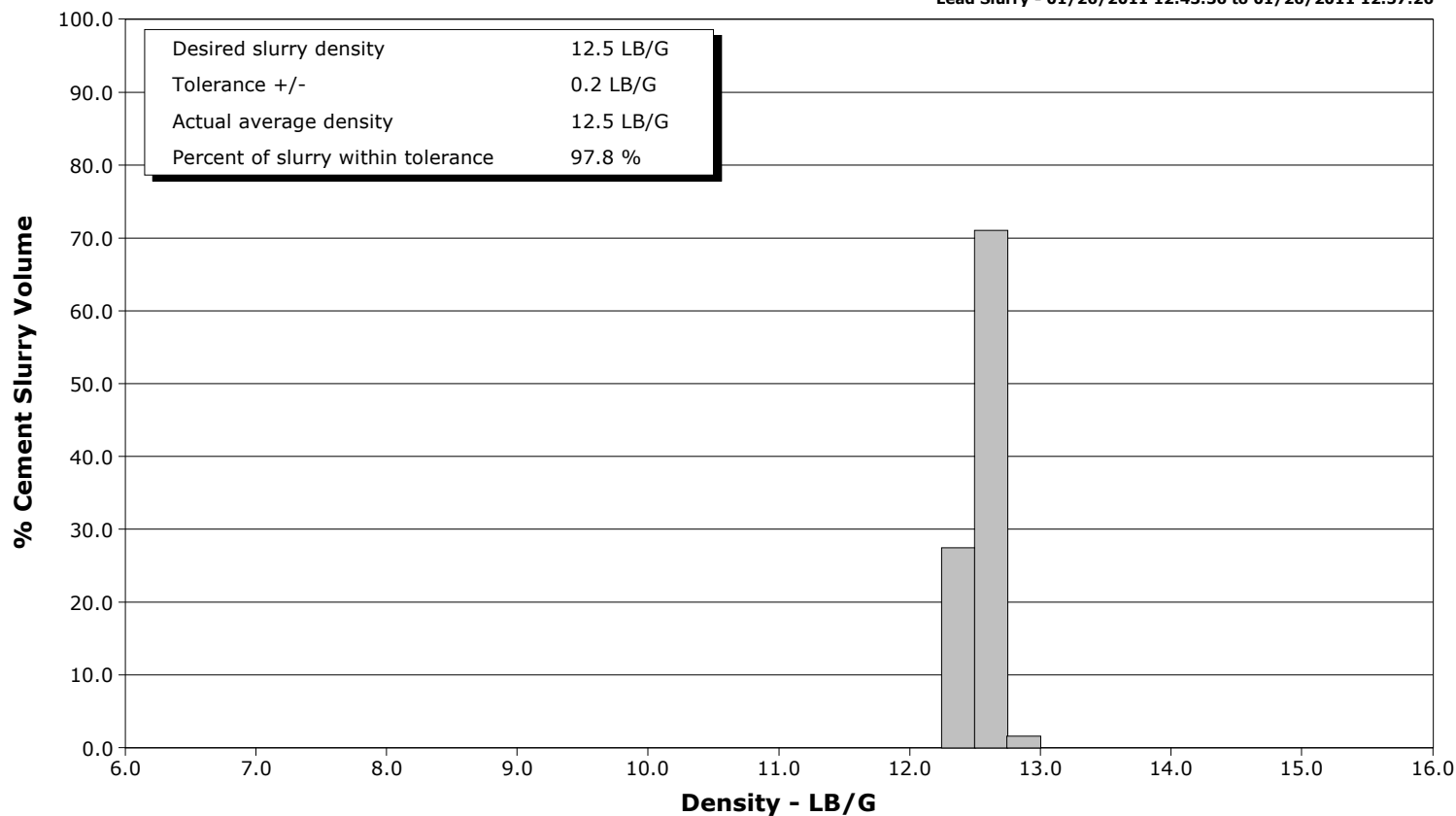
Schlumberger

Cementing Qa/Qc Density Report

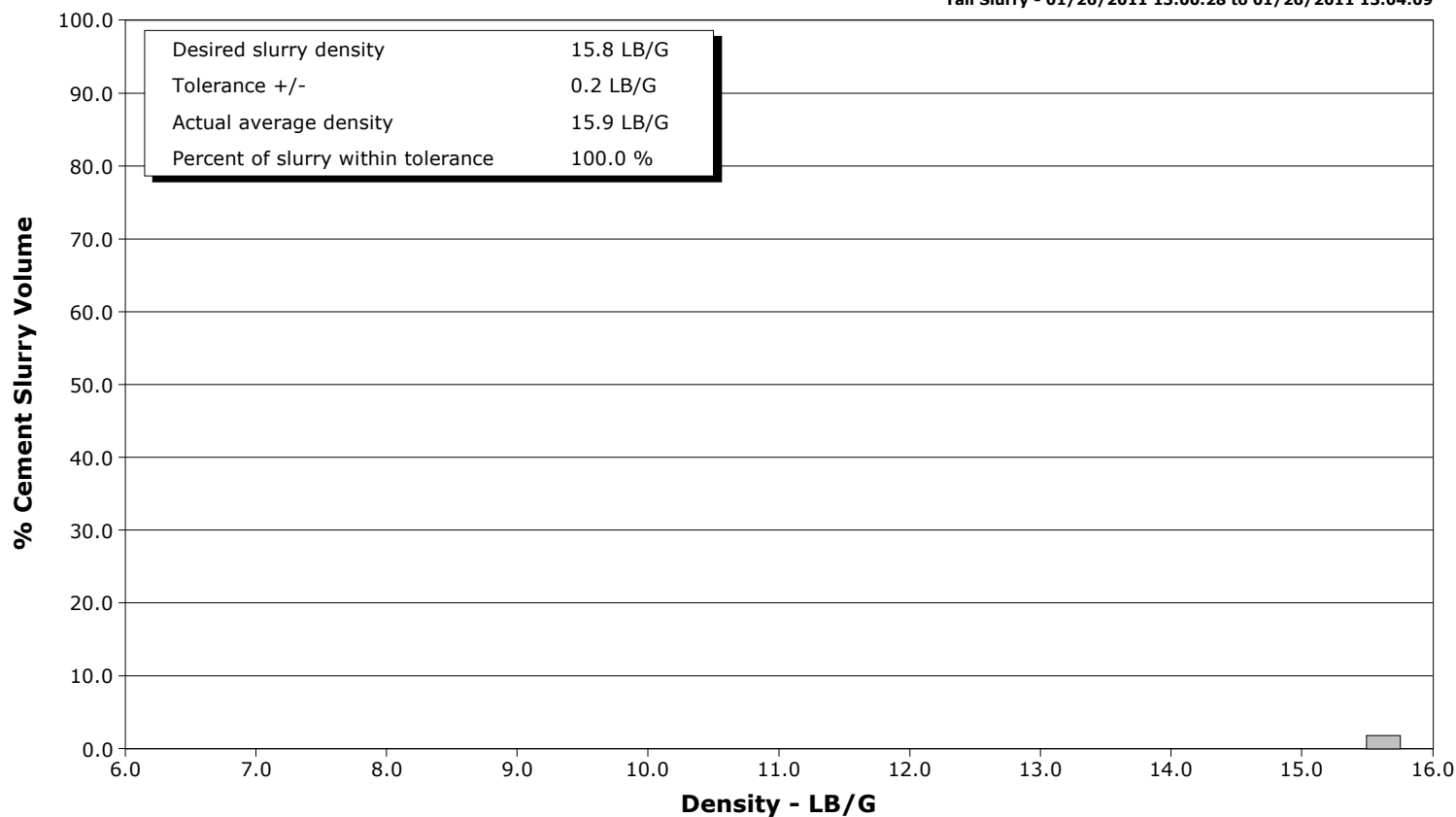
Well GMR 8-11C
Field Mamm Creek
Engineer Matt Fair
Country United States

Client Encana
SIR No. B708-00306
Job Type 9 5/8 Surface
Job Date 01-26-2011

Lead Slurry - 01/26/2011 12:43:36 to 01/26/2011 12:57:26



Tail Slurry - 01/26/2011 13:00:28 to 01/26/2011 13:04:09





Cementing Service Report

				Customer Encana		Job Number B708-00306		
Well GMR 8-11C			Location (legal)		Schlumberger Location		Job Start Jan/26/2011	
Field Mamm Creek		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1260.0 ft	Well TVD 1270.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 83 degF	Pore Press. Gradient	
Well Master 0631179481		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 9.30 lb/gal	Plastic Viscosity	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 Jan/26/2011 07:00		Arrived on Location Jan/26/2011 07:00		Leave Location Jan/26/2011 14:00		Collar Type Float		Tail Pipe Depth
						Collar Depth 1214.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/26/2011	11:58:23					Started Acquisition		
01/26/2011	11:58:26					Rig up per STD 5		
01/26/2011	11:58:26					Safety meeting		
01/26/2011	12:29:58	7	0.0	8.41	0.0			
01/26/2011	12:30:02					Start Job		
01/26/2011	12:30:02	7	0.0	8.41	0.0			
01/26/2011	12:30:03	7	0.0	8.41	0.0			
01/26/2011	12:31:43	3	0.0	8.41	0.0			
01/26/2011	12:33:23	45	2.1	8.41	1.4			
01/26/2011	12:34:09					Pressure Test Lines		
01/26/2011	12:34:09	23	0.0	8.41	2.1			
01/26/2011	12:34:10					Low PSI test good		
01/26/2011	12:34:10	22	0.0	8.41	2.1			
01/26/2011	12:35:03	584	0.0	8.41	2.1			
01/26/2011	12:36:11					Pressure Test Lines		
01/26/2011	12:36:11	3080	0.0	8.41	2.1			
01/26/2011	12:36:12					High PSI test good		
01/26/2011	12:36:12	3080	0.0	8.41	2.1			
01/26/2011	12:36:43	3046	0.0	8.41	2.1			
01/26/2011	12:38:23	37	1.1	8.40	2.4			
01/26/2011	12:39:16					Start Pumping Spacer		

Well			Field		Job Start		Customer		Job Number	
GMR 8-11C			Mamm Creek		Jan/26/2011		Encana		B708-00306	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
01/26/2011	12:40:03	159	5.0	8.40	9.1					
01/26/2011	12:40:18					20 bbl H2O ahead				
01/26/2011	12:40:18					Good returns				
01/26/2011	12:40:18	152	5.0	8.40	10.4					
01/26/2011	12:41:43	129	5.0	8.40	17.5					
01/26/2011	12:42:14					End Spacer				
01/26/2011	12:42:14	134	5.0	8.40	20.1					
01/26/2011	12:42:17					Start Mixing Scav Slurry				
01/26/2011	12:42:17	152	5.0	8.40	20.4					
01/26/2011	12:42:19					Bring to weight				
01/26/2011	12:42:19	130	5.0	8.40	20.5					
01/26/2011	12:43:23	180	5.0	12.48	26.0					
01/26/2011	12:43:34					End Scavenger Slurry				
01/26/2011	12:43:34	184	5.0	12.50	26.9					
01/26/2011	12:43:36					Start Mixing Lead Slurry				
01/26/2011	12:43:36	187	5.1	12.50	27.0					
01/26/2011	12:43:42					101 bbl 12.5 Lead				
01/26/2011	12:43:42					Good returns				
01/26/2011	12:43:42	181	5.1	12.49	27.6					
01/26/2011	12:43:43					Took wet/dry samples				
01/26/2011	12:43:43					Wet sample = 12.5 on mudscales				
01/26/2011	12:43:43	174	5.0	12.49	27.6					
01/26/2011	12:45:03	240	6.5	12.55	35.0					
01/26/2011	12:46:43	227	6.5	12.53	45.8					
01/26/2011	12:48:23	215	6.5	12.51	56.6					
01/26/2011	12:50:03	210	6.4	12.51	67.4					
01/26/2011	12:51:43	232	6.5	12.79	78.2					
01/26/2011	12:53:23	224	6.5	12.57	89.0					
01/26/2011	12:55:03	224	6.5	12.58	99.8					
01/26/2011	12:56:43	244	6.5	12.47	110.6					
01/26/2011	12:57:26					End Lead Slurry				
01/26/2011	12:57:26	233	6.5	12.64	115.2					
01/26/2011	12:57:27					Start Mixing Scav Slurry				
01/26/2011	12:57:27	233	6.5	12.86	115.3					
01/26/2011	12:57:29					Bring to weight				
01/26/2011	12:57:29	225	6.6	13.41	115.5					
01/26/2011	12:58:23	202	5.0	14.84	121.1					
01/26/2011	13:00:03	239	5.0	15.72	129.5					
01/26/2011	13:00:27					End Scavenger Slurry				
01/26/2011	13:00:27	255	5.0	15.77	131.5					
01/26/2011	13:00:28					Start Mixing Tail Slurry				
01/26/2011	13:00:28	230	5.0	15.77	131.6					
01/26/2011	13:00:29					31 bbl 15.8 Tail				
01/26/2011	13:00:29					Good returns				
01/26/2011	13:00:29					Took wet/dry samples				
01/26/2011	13:00:29					Wet sample = 15.8 on mudscales				
01/26/2011	13:00:29	259	5.0	15.77	131.7					
01/26/2011	13:01:43	254	5.0	15.89	137.8					
01/26/2011	13:03:23	254	5.0	15.82	146.2					
01/26/2011	13:04:09					End Tail Slurry				
01/26/2011	13:04:09	70	3.3	15.63	150.0					
01/26/2011	13:05:03	15	0.0	15.55	150.2					
01/26/2011	13:05:34					Drop Top Plug				
01/26/2011	13:05:34	7	0.0	15.54	150.2					

Well			Field		Job Start	Customer		Job Number	
GMR 8-11C			Mamm Creek		Jan/26/2011	Encana		B708-00306	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/26/2011	13:05:45	5		0.0	15.53	150.2			
01/26/2011	13:06:43	11		0.0	14.58	150.2			
01/26/2011	13:08:23	241		5.3	9.17	154.9			
01/26/2011	13:10:03	183		6.5	8.66	165.5			
01/26/2011	13:10:36						Displace 94 bbl H2O		
01/26/2011	13:10:36						Good returns		
01/26/2011	13:10:36	181		6.5	8.72	169.1			
01/26/2011	13:11:43	160		6.3	8.47	176.5			
01/26/2011	13:13:23	164		6.4	8.32	187.1			
01/26/2011	13:15:03						50 bbl cement to surface		
01/26/2011	13:15:03	237		6.4	8.40	197.8			
01/26/2011	13:16:43	278		6.4	8.39	208.5			
01/26/2011	13:18:23	306		6.3	8.39	219.1			
01/26/2011	13:20:00						Slowing to 4 bpm		
01/26/2011	13:20:00	290		4.0	8.39	229.2			
01/26/2011	13:20:03	314		3.9	8.39	229.4			
01/26/2011	13:21:43	373		3.9	8.39	235.9			
01/26/2011	13:22:50						Slowing to 2.5 bpm		
01/26/2011	13:22:50	336		2.5	8.39	239.7			
01/26/2011	13:23:23	334		2.5	8.40	241.1			
01/26/2011	13:25:03	360		2.5	8.40	245.2			
01/26/2011	13:26:21						End Displacement		
01/26/2011	13:26:21	1148		0.0	8.40	248.2			
01/26/2011	13:26:22						Bump Top Plug		
01/26/2011	13:26:22						Bumped plug @ 1200 PSI		
01/26/2011	13:26:22						Float held		
01/26/2011	13:26:22	1170		0.0	8.40	248.2			
01/26/2011	13:26:43	1170		0.0	8.40	248.2			
01/26/2011	13:28:23	1156		0.0	8.40	248.2			
01/26/2011	13:29:16						Bled off pressure		
01/26/2011	13:29:16	815		0.0	8.40	248.2			
01/26/2011	13:29:26						1 bbl H2O back		
01/26/2011	13:29:26	225		0.0	8.40	248.2			
01/26/2011	13:30:03	12		0.0	8.40	248.2			
01/26/2011	13:30:17						End Job		
01/26/2011	13:30:17	12		0.0	8.40	248.2			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.4	N2	Mud 0.0	Maximum Rate 8.3	Total Slurry 133.0	Mud 0.0	Spacer 20.1	N2	
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum 3187	Final 12	Average 337	Bump Plug to 900	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 132.0 bbl	Displacement 94.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 50.0 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:	Jan/26/2011
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%

Total	100%
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Client:	Schlumberger:
Client Signature:	Schlumberger Signature: