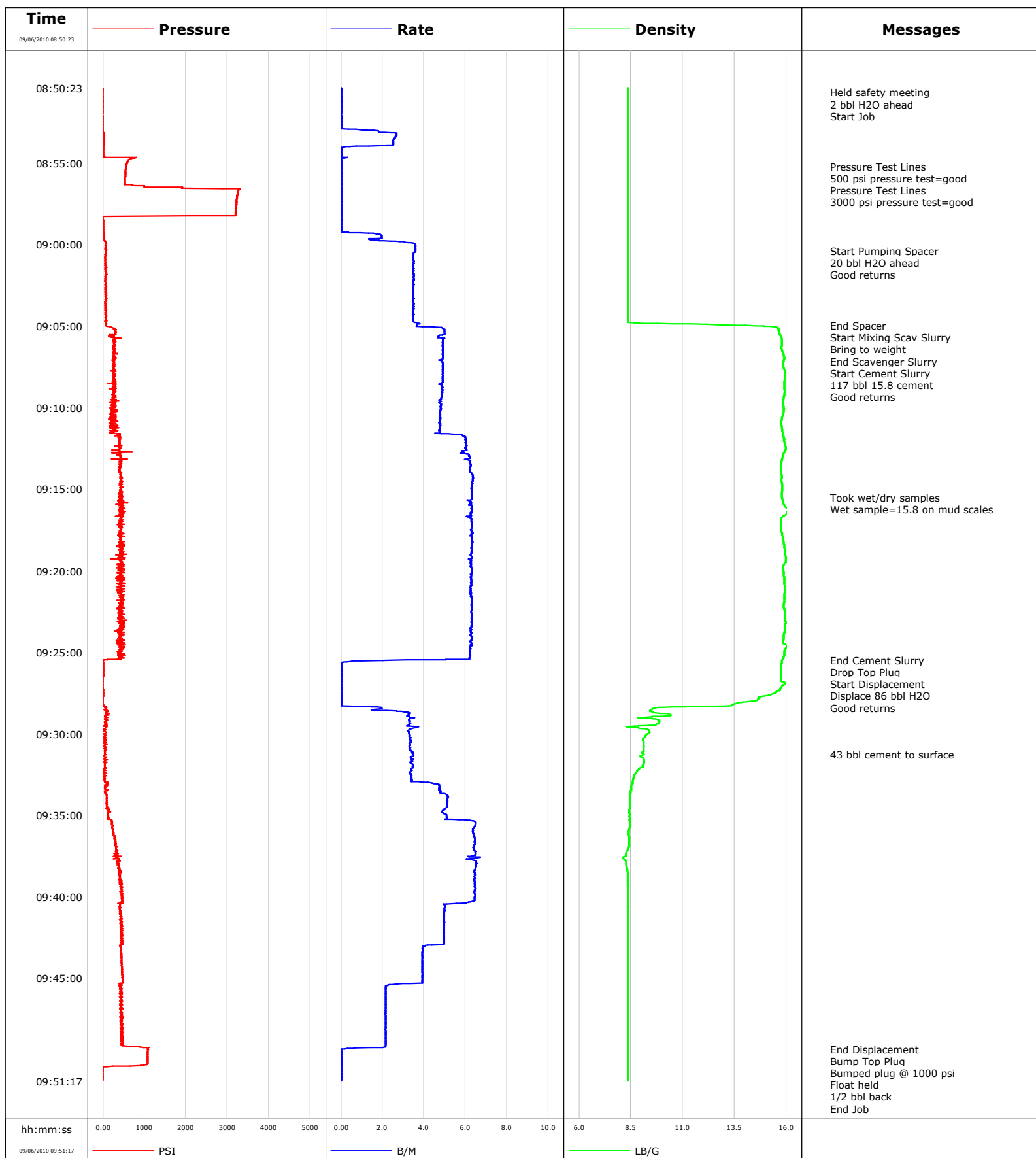


**Well** Twin Creek 12-2A1  
**Field** Mamm Creek  
**Engineer** Matt Fair  
**Country** United States

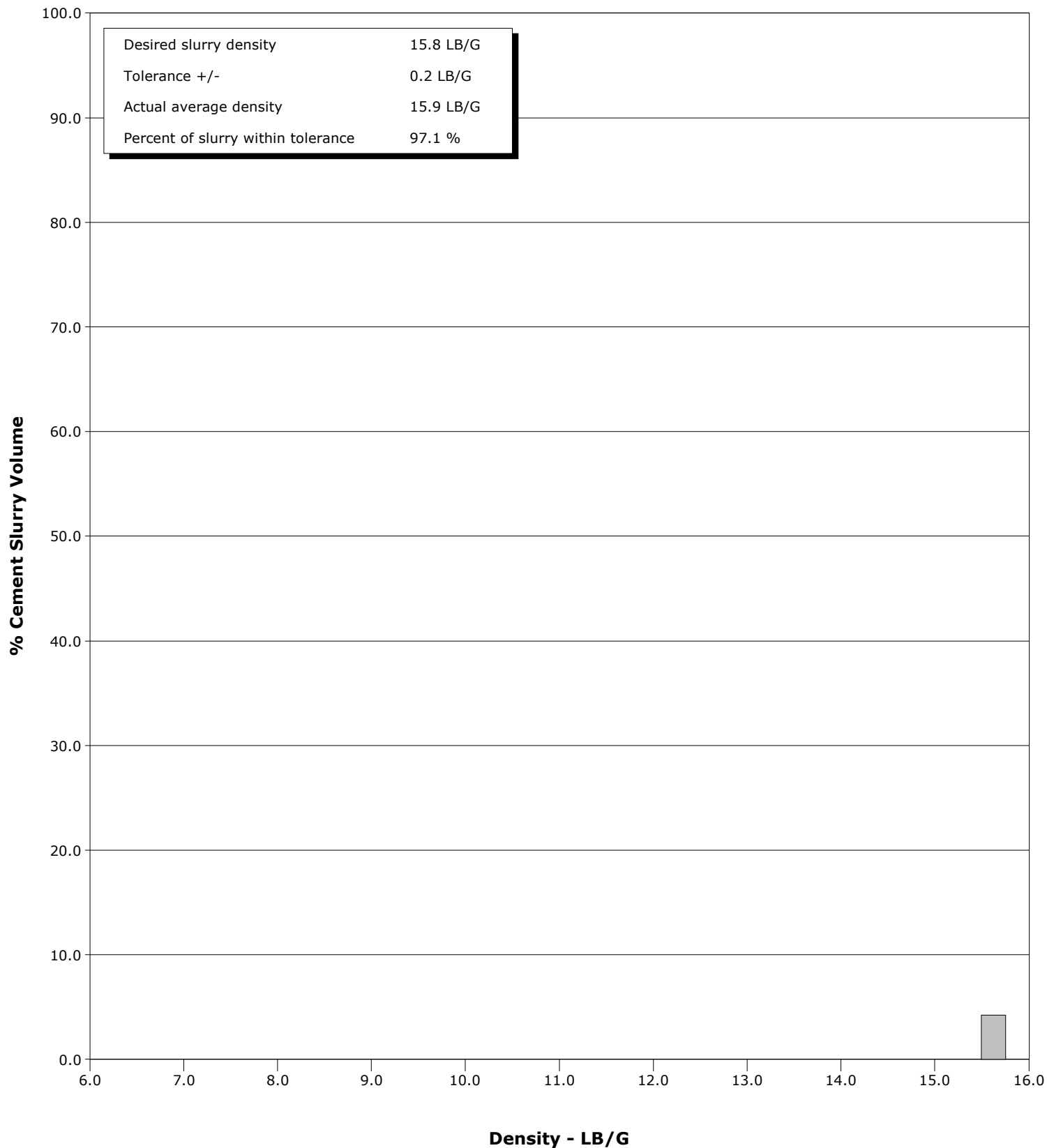
**Client** Encana  
**SIR No.**  
**Job Type** 9 5/8 Surface  
**Job Date** 09-06-2010



**Well** Twin Creek 12-2A1  
**Field** Mamm Creek  
**Engineer** Matt Fair  
**Country** United States

**Client** Encana  
**SIR No.**  
**Job Type** 9 5/8 Surface  
**Job Date** 09-06-2010

**Cement Slurry - 09/06/2010 09:05:49 to 09/06/2010 09:25:28**





Well			Field		Job Start		Customer		Job Number	
Twin Creek 12-2A1			Mamm Creek		Sep/06/2010		Encana		B2IJ-00224	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/06/2010	09:00:23	73	3.6	8.37	5.4					
09/06/2010	09:00:24					20 bbl H2O ahead				
09/06/2010	09:00:24					Good returns				
09/06/2010	09:00:24	60	3.6	8.37	5.5					
09/06/2010	09:01:38	80	3.5	8.37	9.8					
09/06/2010	09:03:18	80	3.5	8.37	15.6					
09/06/2010	09:04:57					End Spacer				
09/06/2010	09:04:57	89	3.7	13.40	21.4					
09/06/2010	09:04:58					Start Mixing Scav Slurry				
09/06/2010	09:04:58	74	3.7	14.01	21.5					
09/06/2010	09:05:02					Bring to weight				
09/06/2010	09:05:02	101	3.6	15.19	21.7					
09/06/2010	09:05:48					End Scavenger Slurry				
09/06/2010	09:05:48	268	4.9	15.78	25.5					
09/06/2010	09:05:49					Start Cement Slurry				
09/06/2010	09:05:49	272	4.9	15.78	25.5					
09/06/2010	09:05:51					117 bbl 15.8 cement				
09/06/2010	09:05:51					Good returns				
09/06/2010	09:05:51	243	4.9	15.77	25.7					
09/06/2010	09:06:38	300	4.9	15.83	29.5					
09/06/2010	09:08:18	240	4.9	15.91	37.7					
09/06/2010	09:09:58	223	4.8	15.87	45.8					
09/06/2010	09:11:38	360	5.5	15.84	53.8					
09/06/2010	09:13:18	455	6.2	15.76	63.8					
09/06/2010	09:14:58	423	6.3	15.80	74.3					
09/06/2010	09:15:32					Took wet/dry samples				
09/06/2010	09:15:32					Wet sample=15.8 on mud scales				
09/06/2010	09:15:32	429	6.3	15.79	77.9					
09/06/2010	09:16:38	499	6.3	15.90	84.8					
09/06/2010	09:18:18	395	6.3	15.87	95.3					
09/06/2010	09:19:58	363	6.3	15.85	105.7					
09/06/2010	09:21:38	477	6.3	15.90	116.2					
09/06/2010	09:23:18	417	6.3	15.95	126.7					
09/06/2010	09:24:58	348	6.2	15.89	137.1					
09/06/2010	09:25:28					End Cement Slurry				
09/06/2010	09:25:28	115	5.0	15.81	140.2					
09/06/2010	09:25:30					Drop Top Plug				
09/06/2010	09:25:30	7	2.0	15.78	140.3					
09/06/2010	09:25:31					Start Displacement				
09/06/2010	09:25:31	7	2.0	15.78	140.3					
09/06/2010	09:25:32					Displace 86 bbl H2O				
09/06/2010	09:25:32	-3	1.0	15.78	140.4					
09/06/2010	09:25:33					Good returns				
09/06/2010	09:25:33	7	0.5	15.77	140.4					
09/06/2010	09:26:38	-1	0.0	15.73	140.4					
09/06/2010	09:28:18	16	0.0	13.22	140.4					
09/06/2010	09:29:58	69	3.3	9.37	145.4					
09/06/2010	09:31:14					43 bbl cement to surface				
09/06/2010	09:31:14	48	3.5	9.10	149.7					
09/06/2010	09:31:38	58	3.4	9.12	151.1					
09/06/2010	09:33:18	67	4.8	8.51	157.1					
09/06/2010	09:34:58	120	5.1	8.43	165.5					
09/06/2010	09:36:38	308	6.5	8.41	175.8					
09/06/2010	09:38:18	393	6.5	8.31	186.5					

Well			Field		Job Start	Customer		Job Number
Twin Creek 12-2A1			Mamm Creek		Sep/06/2010	Encana		B2IJ-00224
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/06/2010	09:41:38	415	5.0	8.37	206.2			
09/06/2010	09:43:18	444	3.9	8.37	214.1			
09/06/2010	09:44:58	475	3.9	8.37	220.7			
09/06/2010	09:46:38	407	2.2	8.37	224.9			
09/06/2010	09:48:18	423	2.1	8.37	228.5			
09/06/2010	09:49:19					End Displacement		
09/06/2010	09:49:19	1087	0.2	8.37	230.6			
09/06/2010	09:49:21					Bump Top Plug		
09/06/2010	09:49:21	1082	0.0	8.37	230.6			
09/06/2010	09:49:24					Bumped plug @ 1000 psi		
09/06/2010	09:49:24					Float held		
09/06/2010	09:49:24					1/2 bbl back		
09/06/2010	09:49:24	1083	0.0	8.37	230.6			
09/06/2010	09:49:58	1081	0.0	8.37	230.6			
09/06/2010	09:51:15					End Job		
09/06/2010	09:51:15	-0	0.0	8.37	230.6			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.7	N2	Mud 0.0	Maximum Rate 6.7	Total Slurry 117.0	Mud 0.0	Spacer 20.2	N2	
Treating Pressure Summary, psi				Breakdown Fluid				
Maximum 3299	Final -0	Average 398	Bump Plug to 1100	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 117.0 bbl	Displacement 86.3 bbl	Mix Water Temp 72 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 43.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative Tim Phillips			Schlumberger Supervisor Matt Fair			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



<b>Service Order #:</b>	
<b>Date:</b>	Sep/06/2010
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	Encana
<b>Schlumberger Engineer:</b>	Matt Fair
<b>Schlumberger FSM:</b>	

**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.)

<b>Client:</b>	<b>Schlumberger:</b>
<b>Client Signature:</b>	<b>Schlumberger Signature:</b>