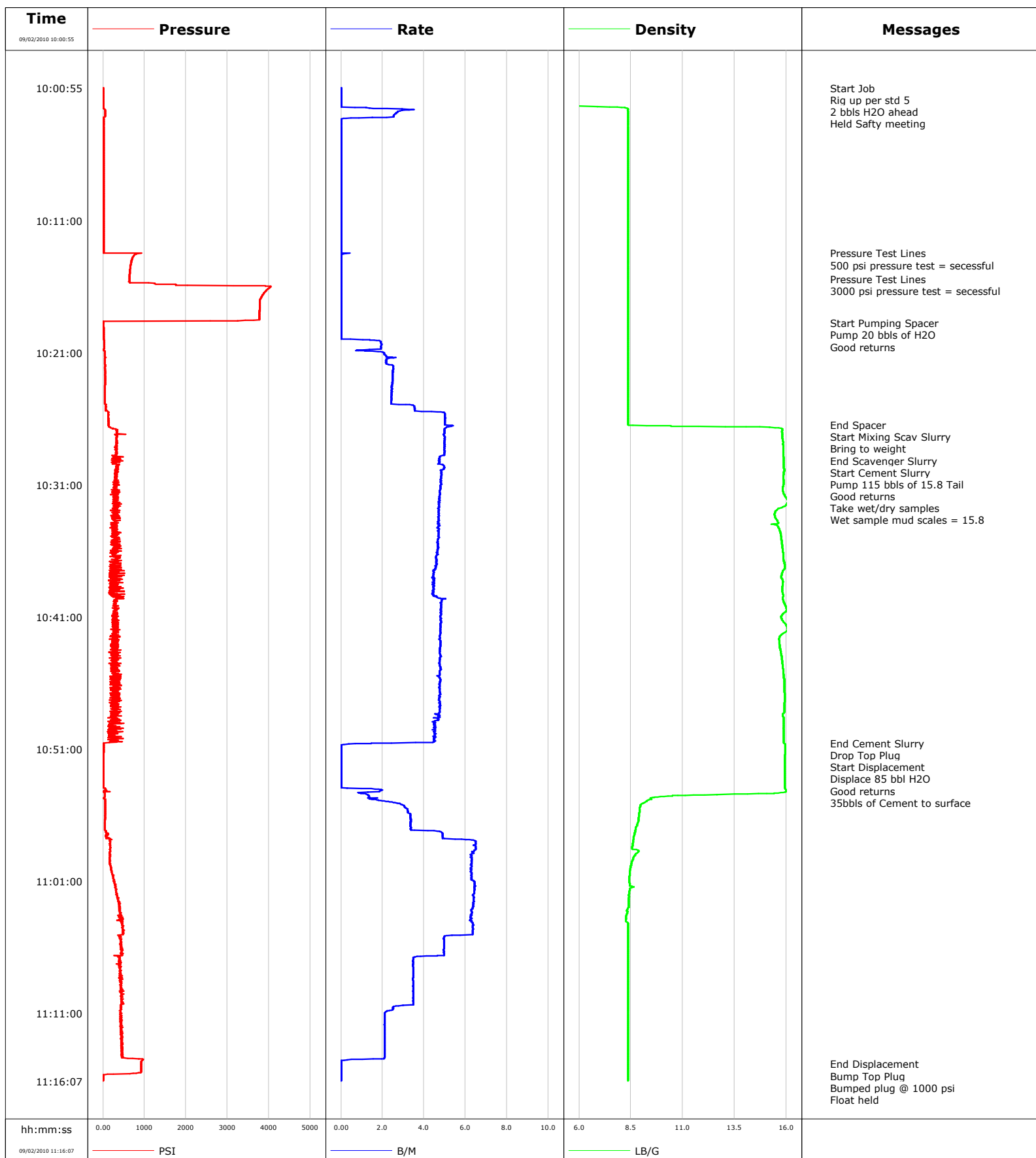


Well Twin Creek 1-9C1
Field Mamm Creek
Engineer Matt Fair
Country United States

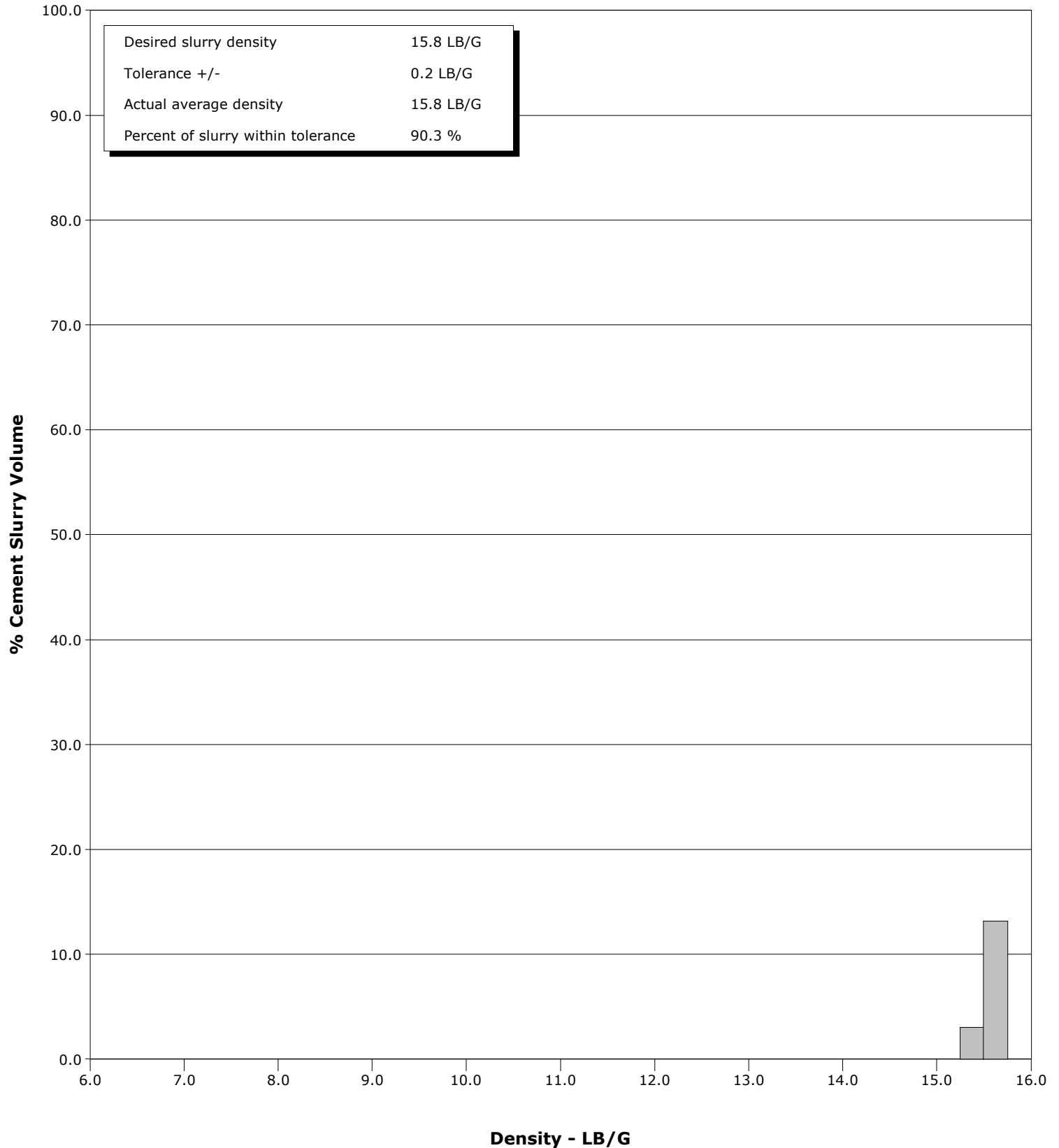
Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 09-02-2010



Well Twin Creek 1-9C1
Field Mamm Creek
Engineer Matt Fair
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 09-02-2010

Cement Slurry - 09/02/2010 10:27:05 to 09/02/2010 10:50:33





Cementing Service Report

				Customer Encana		Job Number B2IJ-00221		
Well Twin Creek 1-9C1			Location (legal)		Schlumberger Location		Job Start Sep/02/2010	
Field Mamm Creek		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1139.0 ft	Well TVD 1139.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 94 degF	BHCT 81 degF	Pore Press. Gradient	
Well Master 0631186397		API/UWI						
Rig Name Nabors M15		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	K55	8RD
				1139.0	9.630	36.0	K55	8RD
Drilling Fluid Type Bentonite		Max. Density 9.50 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 85.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 89.0 bbl	Annular Vol. 67.0 bbl	Openhole Vol. 158.0 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 564 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1139.0 ft		Tool Type		
No. Centralizers 14		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Sep/02/2010 07:30		Arrived on Location Sep/02/2010 07:30		Leave Location Sep/02/2010 11:00		Collar Type Guide		Tail Pipe Depth
						Collar Depth 1093.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/02/2010	08:09:26					Started Acquisition		
09/02/2010	10:00:55					Start Job		
09/02/2010	10:00:55	2	0.0	0.01	0.0			
09/02/2010	10:01:06	2	0.0	0.01	0.0			
09/02/2010	10:01:11					Rig up per std 5		
09/02/2010	10:01:11	2	0.0	0.01	0.0			
09/02/2010	10:01:12					2 bbls H2O ahead		
09/02/2010	10:01:12					Held Safty meeting		
09/02/2010	10:01:12	2	0.0	0.01	0.0			
09/02/2010	10:02:46	49	2.7	8.37	0.9			
09/02/2010	10:04:26	16	0.0	8.37	2.0			
09/02/2010	10:06:06	16	0.0	8.37	2.0			
09/02/2010	10:07:46	15	0.0	8.37	2.0			
09/02/2010	10:09:26	16	0.0	8.37	2.0			
09/02/2010	10:11:06	16	0.0	8.37	2.0			
09/02/2010	10:12:46	16	0.0	8.37	2.0			
09/02/2010	10:13:27					Pressure Test Lines		
09/02/2010	10:13:27	22	0.0	8.37	2.0			
09/02/2010	10:13:40					500 psi pressure test = secessful		
09/02/2010	10:13:40	742	0.0	8.37	2.0			
09/02/2010	10:14:26	665	0.0	8.37	2.0			

Well			Field		Job Start		Customer		Job Number	
Twin Creek 1-9C1			Mamm Creek		Sep/02/2010		Encana		B2IJ-00221	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/02/2010	10:15:25	635	0.0	8.37	2.0					
09/02/2010	10:15:29					3000 psi pressure test = secessful				
09/02/2010	10:15:29	634	0.0	8.37	2.0					
09/02/2010	10:16:06	4009	0.0	8.37	2.0					
09/02/2010	10:17:46	3774	0.0	8.37	2.0					
09/02/2010	10:18:45					Start Pumping Spacer				
09/02/2010	10:18:45	1	0.0	8.37	2.0					
09/02/2010	10:18:48					Pump 20 bbls of H2O				
09/02/2010	10:18:48	2	0.0	8.37	2.0					
09/02/2010	10:18:49					Good returns				
09/02/2010	10:18:49	3	0.0	8.37	2.0					
09/02/2010	10:19:26	12	0.0	8.37	2.0					
09/02/2010	10:21:06	38	2.1	8.37	4.0					
09/02/2010	10:22:46	49	2.5	8.37	8.0					
09/02/2010	10:24:26	44	2.4	8.37	12.1					
09/02/2010	10:24:26	43	2.4	8.37	12.1					
09/02/2010	10:26:06	126	5.0	8.37	18.4					
09/02/2010	10:26:26					End Spacer				
09/02/2010	10:26:26	131	5.0	8.37	20.1					
09/02/2010	10:26:30					Start Mixing Scav Slurry				
09/02/2010	10:26:30	126	5.4	8.61	20.4					
09/02/2010	10:26:33					Bring to weight				
09/02/2010	10:26:33	135	5.3	10.43	20.7					
09/02/2010	10:27:04					End Scavenger Slurry				
09/02/2010	10:27:04	332	5.0	15.79	23.3					
09/02/2010	10:27:05					Start Cement Slurry				
09/02/2010	10:27:05	353	5.0	15.79	23.4					
09/02/2010	10:27:33					Pump 115 bbls of 15.8 Tail				
09/02/2010	10:27:33	342	5.0	15.82	25.7					
09/02/2010	10:27:34					Good returns				
09/02/2010	10:27:34					Take wet/dry samples				
09/02/2010	10:27:34	322	5.0	15.82	25.8					
09/02/2010	10:27:46	336	5.0	15.83	26.8					
09/02/2010	10:28:42					Wet sample mud scales = 15.8				
09/02/2010	10:28:42	308	5.0	15.85	31.4					
09/02/2010	10:29:26	325	4.8	15.87	34.9					
09/02/2010	10:31:06	267	4.8	15.84	43.0					
09/02/2010	10:32:46	316	4.7	15.68	51.0					
09/02/2010	10:36:06	253	4.7	15.83	66.6					
09/02/2010	10:37:46	233	4.5	15.78	74.2					
09/02/2010	10:39:26	212	4.5	15.84	81.7					
09/02/2010	10:41:06	268	4.8	15.77	89.7					
09/02/2010	10:42:46	364	4.8	15.65	97.7					
09/02/2010	10:44:26	343	4.8	15.80	105.6					
09/02/2010	10:46:06	372	4.7	15.90	113.6					
09/02/2010	10:47:46	365	4.8	15.90	121.5					
09/02/2010	10:49:26	483	4.5	15.86	129.2					
09/02/2010	10:50:33					End Cement Slurry				
09/02/2010	10:50:33	18	1.5	15.90	134.2					
09/02/2010	10:50:40					Drop Top Plug				
09/02/2010	10:50:40	22	0.1	15.94	134.3					
09/02/2010	10:50:42					Start Displacement				
09/02/2010	10:50:42	21	0.0	15.94	134.3					
09/02/2010	10:50:59					Displace 85 bbl H2O				

Well			Field		Job Start		Customer		Job Number	
Twin Creek 1-9C1			Mamm Creek		Sep/02/2010		Encana		B2IJ-00221	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/02/2010	10:51:00					Good returns				
09/02/2010	10:51:00	15	0.0	15.94	134.3					
09/02/2010	10:51:01					35bbls of Cement to surface				
09/02/2010	10:51:01	14	0.0	15.94	134.3					
09/02/2010	10:51:06	13	0.0	15.93	134.3					
09/02/2010	10:52:46	10	0.0	15.91	134.3					
09/02/2010	10:54:26	47	1.3	12.66	135.0					
09/02/2010	10:56:06	51	3.3	8.89	139.3					
09/02/2010	10:57:46	82	4.9	8.63	145.8					
09/02/2010	10:59:26	167	6.3	8.58	156.4					
09/02/2010	11:01:06	277	6.4	8.43	166.9					
09/02/2010	11:02:46	385	6.4	8.39	177.6					
09/02/2010	11:04:26	465	6.3	8.37	188.1					
09/02/2010	11:06:06	446	5.0	8.37	197.3					
09/02/2010	11:07:46	422	3.5	8.37	203.9					
09/02/2010	11:09:26	426	3.5	8.37	209.7					
09/02/2010	11:11:06	410	2.1	8.37	214.7					
09/02/2010	11:12:46	455	2.1	8.37	218.2					
09/02/2010	11:14:26	861	2.1	8.37	221.8					
09/02/2010	11:14:49					End Displacement				
09/02/2010	11:14:49	927	0.0	8.37	221.9					
09/02/2010	11:14:51					Bump Top Plug				
09/02/2010	11:14:51	927	0.0	8.37	221.9					
09/02/2010	11:14:54					Bumped plug @ 1000 psi				
09/02/2010	11:14:54					Float held				
09/02/2010	11:14:54					1/2 bbl back				
09/02/2010	11:14:54	928	0.0	8.37	221.9					
09/02/2010	11:16:04					End Job				
09/02/2010	11:16:04	7	0.0	8.37	221.9					
09/02/2010	11:16:06	7	0.0	8.37	221.9					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.2	N2	Mud 0.0	Maximum Rate 6.5	Total Slurry 114.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4052	Final 7	Average 365	Bump Plug to 1100	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 115.0 bbl		Displacement 84.0 bbl	Mix Water Temp 68 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 35.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative Robert Tate			Schlumberger Supervisor Matt Fair			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



Service Order #:	
Date:	Sep/02/2010
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%
--------------	------

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: