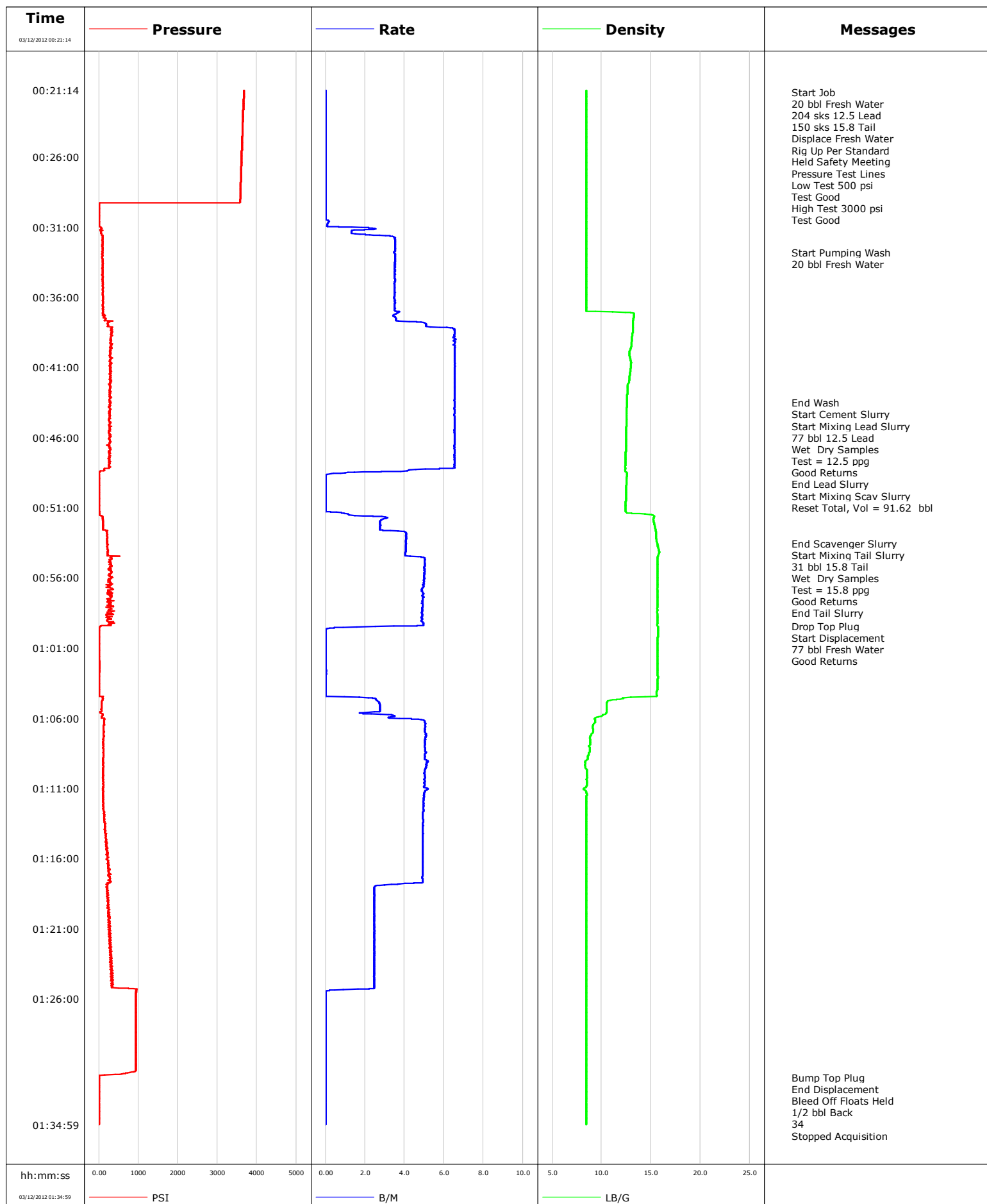


Well	Cook Martin 20-1C	Client	Encana
Field	Battlement Mesa	SIR No.	
Engineer		Job Type	9 5/8 Surface
Country	United States	Job Date	03-11-2012

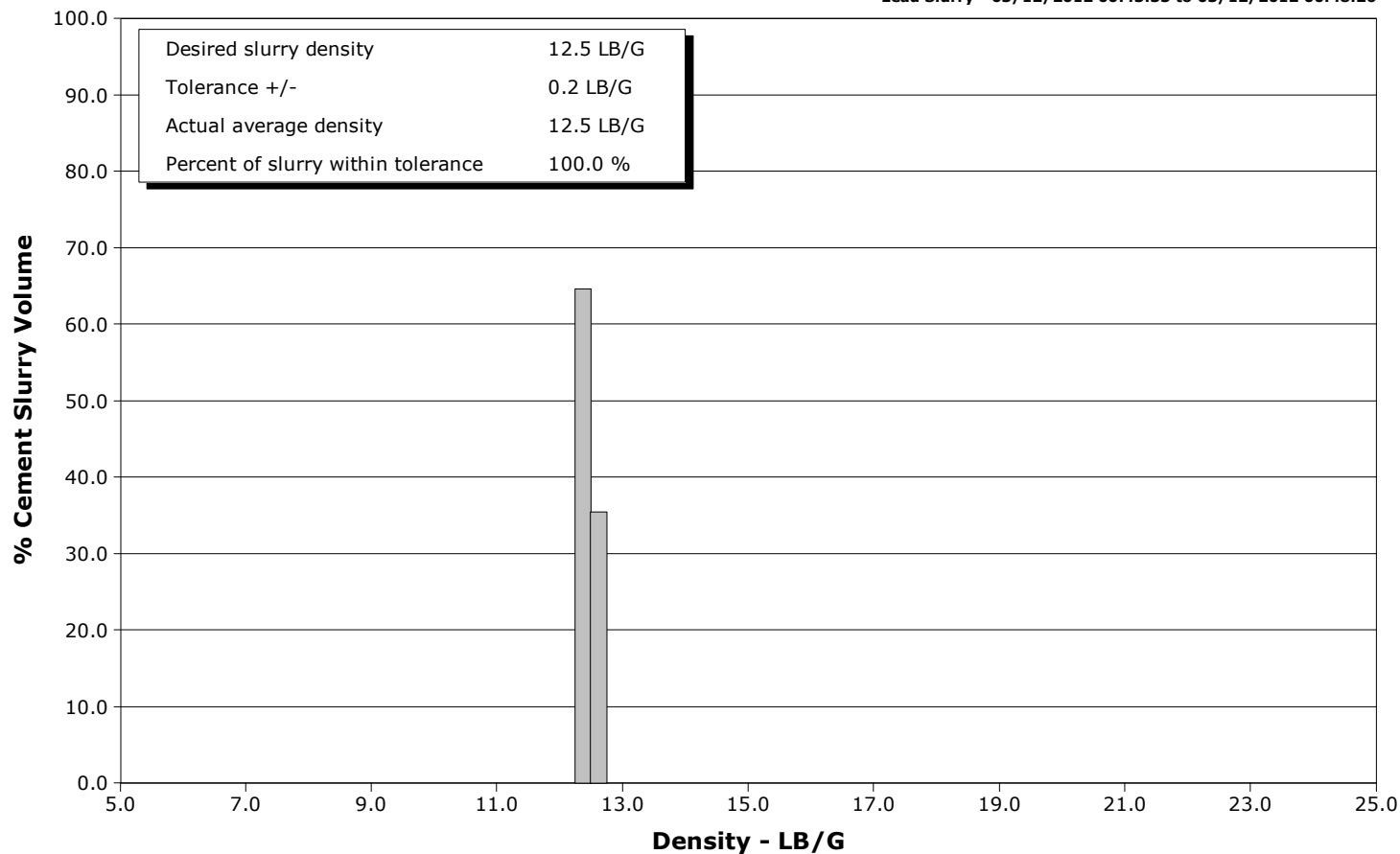


Schlumberger Cementing Qa/Qc Density Report

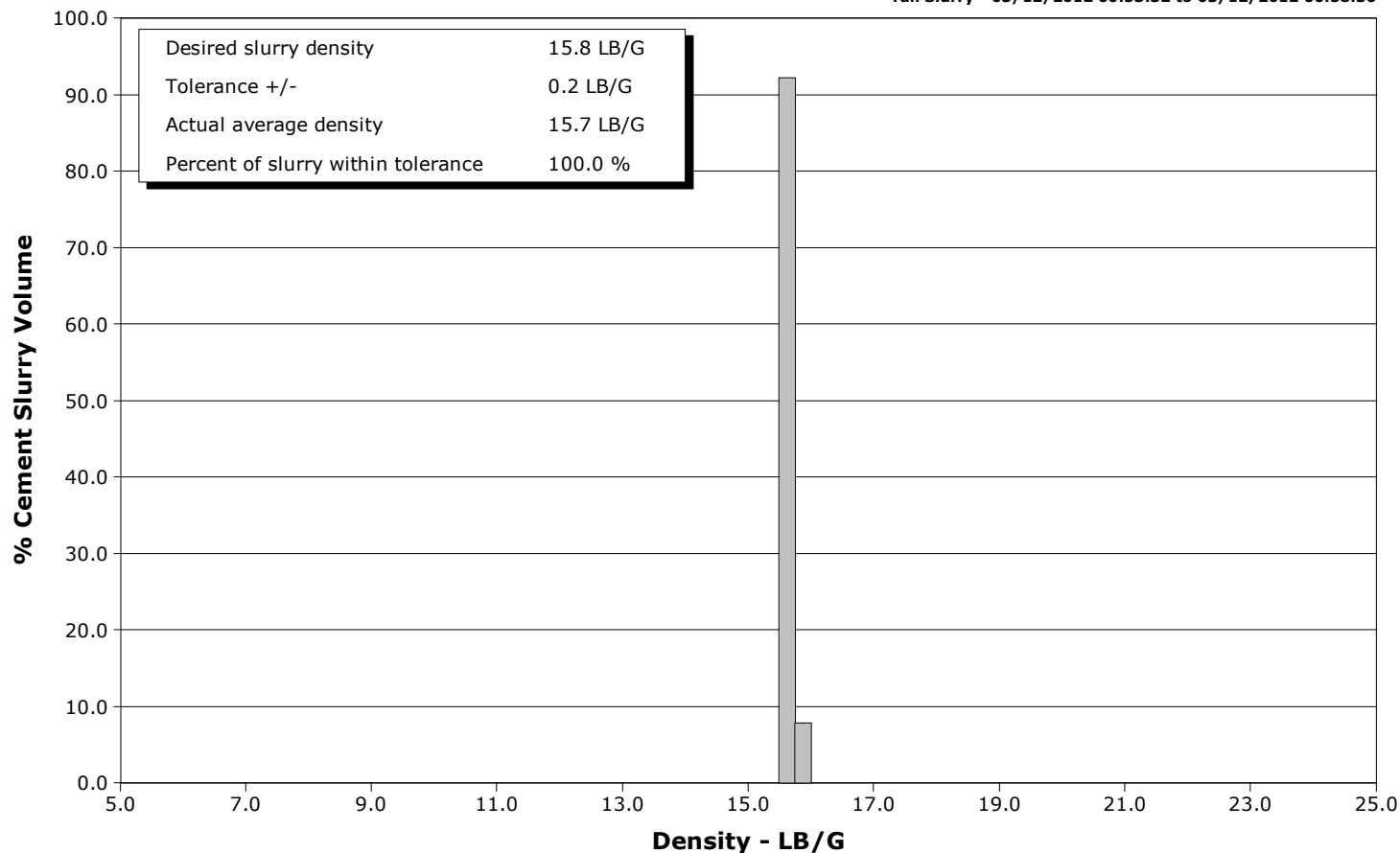
Well Cook Martin 20-1C
Field Battlement Mesa
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-11-2012

Lead Slurry - 03/12/2012 00:43:33 to 03/12/2012 00:48:26



Tail Slurry - 03/12/2012 00:53:32 to 03/12/2012 00:58:30





Cementing Service Report

				Customer Encana			Job Number C0BA-00270									
Well Cook Martin 20-1C			Location (legal)			Schlumberger Location GCO			Job Start Mar/11/2012							
Field Battlement Mesa			Formation Name/Type Shale			Deviation		Bit Size 12.3 in		Well MD		Well TVD				
County Garfield			State/Province Colorado			BHP		BHST		BHCT		Pore Press. Gradient				
Well Master 0631266792			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		1035.0		9.630		36.0		K55		8RD		
						0.0		0.000		0.0						
Drilling Fluid Type Bentonite			Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
							Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing		Job Type 9 5/8 Surface														
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole										
						Top,		Bottom,				No. of Shots		Total Interval		
														Diameter		
						Treat Down Casing		Displacement 77.0 bbl		Packer Type		Packer Depth				
						Tubing Vol.		Casing Vol. 78.0 bbl		Annular Vol. 61.0 bbl		Openhole Vol. 144.0 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						Shoe Type Guide				Squeeze Type						
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1035.0 ft				Tool Type						
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth						
Cement Head Type Single						Stage Tool Depth				Tail Pipe Size						
Job Scheduled For Mar/11/2012		Arrived on Location Mar/11/2012		Leave Location Mar/11/2012		Collar Type Float				Tail Pipe Depth						
						Collar Depth 993.0 ft				Sqz. Total Vol.						
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Message						
03/11/2012	23:37:47									Started Acquisition						
03/12/2012	00:21:14	3675		0.0		8.45		0.0								
03/12/2012	00:21:22									Start Job						
03/12/2012	00:21:22	3672		0.0		8.45		0.0								
03/12/2012	00:21:23									20 bbl Fresh Water						
03/12/2012	00:21:23	3672		0.0		8.45		0.0								
03/12/2012	00:21:24									204 sks 12.5 Lead						
03/12/2012	00:21:24									150 sks 15.8 Tail						
03/12/2012	00:21:24									Displace Fresh Water						
03/12/2012	00:21:24									Rig Up Per Standard						
03/12/2012	00:21:24									Held Safety Meeting						
03/12/2012	00:21:24	3672		0.0		8.45		0.0								
03/12/2012	00:21:30									Pressure Test Lines						
03/12/2012	00:21:30	3670		0.0		8.45		0.0								
03/12/2012	00:21:33									Low Test 500 psi						
03/12/2012	00:21:33									Test Good						
03/12/2012	00:21:33									High Test 3000 psi						
03/12/2012	00:21:33	3669		0.0		8.45		0.0								
03/12/2012	00:21:34									Test Good						
03/12/2012	00:21:34	3669		0.0		8.45		0.0								
03/12/2012	00:21:47	3665		0.0		8.45		0.0								

Well			Field		Job Start	Customer	Job Number
Cook Martin 20-1C			Battlement Mesa		Mar/11/2012	Encana	COBA-00270
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/12/2012	00:25:47	3613	0.0	8.45	0.0		
03/12/2012	00:27:47	3592	0.0	8.45	0.0		
03/12/2012	00:29:47	9	0.0	8.45	0.0		
03/12/2012	00:31:47	97	3.5	8.45	1.8		
03/12/2012	00:32:48					Start Pumping Wash	
03/12/2012	00:32:48	86	3.5	8.45	5.4		
03/12/2012	00:32:51					20 bbl Fresh Water	
03/12/2012	00:32:51	88	3.5	8.45	5.5		
03/12/2012	00:33:47	98	3.5	8.45	8.8		
03/12/2012	00:35:47	103	3.5	8.45	15.8		
03/12/2012	00:37:47	259	4.8	13.15	22.9		
03/12/2012	00:39:47	275	6.5	12.89	35.5		
03/12/2012	00:41:47	278	6.5	12.81	48.5		
03/12/2012	00:43:30					End Wash	
03/12/2012	00:43:30	280	6.5	12.56	59.7		
03/12/2012	00:43:32					Start Cement Slurry	
03/12/2012	00:43:32	311	6.5	12.56	59.9		
03/12/2012	00:43:33					Start Mixing Lead Slurry	
03/12/2012	00:43:33	303	6.5	12.56	60.1		
03/12/2012	00:43:34					77 bbl 12.5 Lead	
03/12/2012	00:43:34					Wet Dry Samples	
03/12/2012	00:43:34	284	6.5	12.56	60.2		
03/12/2012	00:43:35					Test = 12.5 ppg	
03/12/2012	00:43:35					Good Returns	
03/12/2012	00:43:35	284	6.5	12.56	60.3		
03/12/2012	00:43:47	250	6.5	12.55	61.6		
03/12/2012	00:45:47	281	6.5	12.49	74.6		
03/12/2012	00:47:47	262	6.5	12.42	87.7		
03/12/2012	00:48:26					End Lead Slurry	
03/12/2012	00:48:26	18	2.8	12.44	91.4		
03/12/2012	00:48:29					Start Mixing Scav Slurry	
03/12/2012	00:48:29	16	1.5	12.51	91.5		
03/12/2012	00:49:35					Reset Total, Vol = 91.62 bbl	
03/12/2012	00:49:35	3	0.0	12.49	91.6		
03/12/2012	00:49:47	6	0.0	12.48	91.6		
03/12/2012	00:51:47	97	3.0	15.27	92.5		
03/12/2012	00:53:31					End Scavenger Slurry	
03/12/2012	00:53:31	210	4.1	15.61	98.4		
03/12/2012	00:53:32					Start Mixing Tail Slurry	
03/12/2012	00:53:32	210	4.1	15.62	98.5		
03/12/2012	00:53:33					31 bbl 15.8 Tail	
03/12/2012	00:53:33	216	4.1	15.65	98.6		
03/12/2012	00:53:34					Wet Dry Samples	
03/12/2012	00:53:34					Test = 15.8 ppg	
03/12/2012	00:53:34					Good Returns	
03/12/2012	00:53:34	205	4.1	15.65	98.6		
03/12/2012	00:53:47	206	4.1	15.67	99.5		
03/12/2012	00:55:47	280	5.0	15.66	108.9		
03/12/2012	00:57:47	327	4.9	15.65	118.7		
03/12/2012	00:58:30					End Tail Slurry	
03/12/2012	00:58:30	216	4.9	15.64	122.3		
03/12/2012	00:59:26					Drop Top Plug	
03/12/2012	00:59:26	45	4.6	15.64	126.8		
03/12/2012	00:59:27					Start Displacement	

Well			Field		Job Start	Customer		Job Number
Cook Martin 20-1C			Battlement Mesa		Mar/11/2012	Encana		COBA-00270
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/12/2012	00:59:28					77 bbl Fresh Water		
03/12/2012	00:59:28					Good Returns		
03/12/2012	00:59:28	39	2.5	15.70	126.9			
03/12/2012	00:59:47	9	0.0	15.70	127.1			
03/12/2012	01:01:47	11	0.0	15.67	127.1			
03/12/2012	01:03:47	5	0.0	15.67	127.1			
03/12/2012	01:05:47	94	3.4	10.14	130.5			
03/12/2012	01:07:47	110	5.0	8.87	140.1			
03/12/2012	01:09:47	103	5.0	8.52	150.2			
03/12/2012	01:11:47	105	5.0	8.46	160.3			
03/12/2012	01:13:47	157	4.9	8.45	170.1			
03/12/2012	01:15:47	219	4.9	8.45	180.0			
03/12/2012	01:17:47	240	4.5	8.45	189.8			
03/12/2012	01:19:47	237	2.5	8.45	194.9			
03/12/2012	01:21:47	269	2.5	8.45	199.8			
03/12/2012	01:23:47	316	2.5	8.45	204.7			
03/12/2012	01:25:47	940	0.0	8.45	208.6			
03/12/2012	01:27:47	940	0.0	8.45	208.6			
03/12/2012	01:29:47	942	0.0	8.45	208.6			
03/12/2012	01:31:36					Bump Top Plug		
03/12/2012	01:31:36	2	0.0	8.46	208.6			
03/12/2012	01:31:42					End Displacement		
03/12/2012	01:31:42	3	0.0	8.45	208.6			
03/12/2012	01:31:44					Bleed Off Floats Held		
03/12/2012	01:31:44					1/2 bbl Back		
03/12/2012	01:31:44					34		
03/12/2012	01:31:44	3	0.0	8.46	208.6			
03/12/2012	01:31:47	4	0.0	8.46	208.6			
03/12/2012	01:33:47	4	0.0	8.46	208.6			

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
				70 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	
Erasmo Parras			Jordan Moreland			-	-	



Service Order #:	
Date:	Mar/11/2012
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Jordan Moreland
Schlumberger FSM:	

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

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0	
					Sub-total	0%

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: