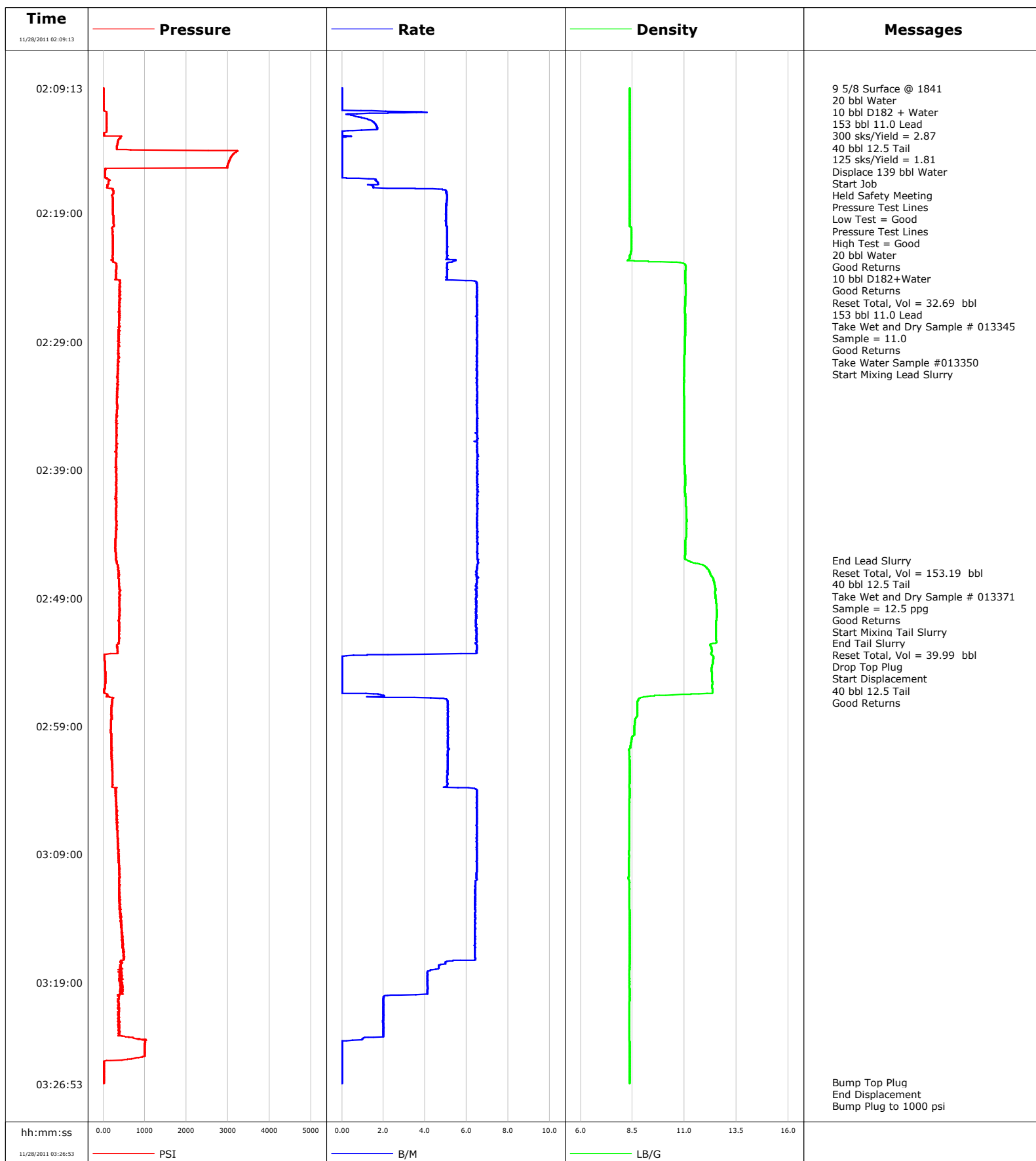


Well EF08A-24
Field N Parachute
Engineer Tom Leduc
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 11-27-2011





Cementing Service Report

				Customer Encana		Job Number BUNM-00478			
Well EF08A-24 EF08A-24			Location (legal) N Parachute		Schlumberger Location Grand Junction		Job Start Nov/25/2011		
Field N Parachute		Formation Name/Type Shale		Deviation 0 deg	Bit Size 12.3 in	Well MD 1841.0 ft		Well TVD 1841.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 87 degF	Pore Press. Gradient		
Well Master 0631244190		API/UWI							
Rig Name Patterson 303	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	1841.0	9.630	36.0	J55	8RD		
			0.0	0.000	0.0				
Drilling Fluid Type Bentonite		Max. Density 9.20 lb/gal	Plastic Viscosity 40.000 cP	Tubing/Drill Pipe					
				Depth,	Size,	Weight,	Grade	Thread	
Service Line Cementing	Job Type 9 5/8 Surface								
Max. Allowed Tub. Press 3000 psi	Max. Allowed Ann. Press 500 psi	WH Connection Single Cement head	Perforations/Open Hole						
			Top,	Bottom,		No. of Shots	Total Interval		
Service Instructions 9 5/8 Surface									
							Diameter		
			Treat Down Casing	Displacement 138.0 bbl	Packer Type	Packer Depth			
			Tubing Vol.	Casing Vol. 139.0 bbl	Annular Vol. 112.0 bbl	Openhole Vol. 264.0 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 905 psi			Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/> Pipe Reciprocated <input type="checkbox"/>			Shoe Depth 1841.0 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 Nov/27/2011 22:00		Arrived on Location Nov/27/2011 22:00	Leave Location Nov/28/2011 05:00	Collar Type Float		Tail Pipe Depth			
				Collar Depth 1794.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/28/2011	00:11:06					Started Acquisition			
11/28/2011	02:09:13	8	0.0	8.37	0.0				
11/28/2011	02:09:14					9 5/8 Surface @ 1841			
11/28/2011	02:09:14					20 bbl Water			
11/28/2011	02:09:14					10 bbl D182 + Water			
11/28/2011	02:09:14					153 bbl 11.0 Lead			
11/28/2011	02:09:14					300 sks/Yield = 2.87			
11/28/2011	02:09:14	8	0.0	8.37	0.0				
11/28/2011	02:09:15					40 bbl 12.5 Tail			
11/28/2011	02:09:15					125 sks/Yield = 1.81			
11/28/2011	02:09:15					Displace 139 bbl Water			
11/28/2011	02:09:15	8	0.0	8.37	0.0				
11/28/2011	02:09:16					Start Job			
11/28/2011	02:09:16					Held Safety Meeting			
11/28/2011	02:09:16	8	0.0	8.37	0.0				
11/28/2011	02:09:17					Pressure Test Lines			
11/28/2011	02:09:17	8	0.0	8.37	0.0				
11/28/2011	02:09:18					Low Test = Good			
11/28/2011	02:09:18	8	0.0	8.37	0.0				
11/28/2011	02:09:19					Pressure Test Lines			
11/28/2011	02:09:19					High Test = Good			

Well			Field		Job Start		Customer		Job Number	
EF08A-24 EF08A-24			N Parachute		Nov/25/2011		Encana		BUNM-00478	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/28/2011	02:09:22					20 bbl Water				
11/28/2011	02:09:22	8	0.0	8.37	0.0					
11/28/2011	02:09:23					Good Returns				
11/28/2011	02:09:23					10 bbl D182+Water				
11/28/2011	02:09:23					Good Returns				
11/28/2011	02:09:23	8	0.0	8.37	0.0					
11/28/2011	02:09:26	8	0.0	8.37	0.0					
11/28/2011	02:11:06	83	3.8	8.37	0.2					
11/28/2011	02:12:46	17	0.0	8.36	2.3					
11/28/2011	02:14:26	3118	0.0	8.36	2.3					
11/28/2011	02:16:06	39	0.0	8.36	2.3					
11/28/2011	02:17:46	226	5.1	8.36	7.1					
11/28/2011	02:19:26	247	5.0	8.36	15.4					
11/28/2011	02:21:06	231	5.1	8.43	23.8					
11/28/2011	02:22:46	236	5.4	9.28	32.3					
11/28/2011	02:22:50					Reset Total, Vol = 32.69 bbl				
11/28/2011	02:22:50	265	5.2	10.64	32.7					
11/28/2011	02:22:52					153 bbl 11.0 Lead				
11/28/2011	02:22:52					Take Wet and Dry Sample # 013345				
11/28/2011	02:22:52					Sample = 11.0				
11/28/2011	02:22:52					Good Returns				
11/28/2011	02:22:52	279	5.1	10.80	32.9					
11/28/2011	02:22:53					Take Water Sample #013350				
11/28/2011	02:22:53	298	5.1	10.90	32.9					
11/28/2011	02:23:00					Start Mixing Lead Slurry				
11/28/2011	02:23:00	312	5.0	11.03	33.5					
11/28/2011	02:24:26	412	6.5	11.04	41.1					
11/28/2011	02:26:06	391	6.5	11.03	51.9					
11/28/2011	02:27:46	393	6.5	11.03	62.7					
11/28/2011	02:29:26	362	6.5	11.01	73.5					
11/28/2011	02:31:06	357	6.5	10.99	84.4					
11/28/2011	02:32:46	334	6.5	10.97	95.2					
11/28/2011	02:34:26	330	6.5	10.99	106.0					
11/28/2011	02:36:06	313	6.5	10.99	116.9					
11/28/2011	02:37:46	318	6.5	10.99	127.7					
11/28/2011	02:39:26	314	6.5	11.03	138.5					
11/28/2011	02:41:06	307	6.5	11.05	149.4					
11/28/2011	02:42:46	307	6.5	11.09	160.3					
11/28/2011	02:44:26	295	6.5	11.06	171.1					
11/28/2011	02:46:04					End Lead Slurry				
11/28/2011	02:46:04	308	6.5	11.15	181.7					
11/28/2011	02:46:06	320	6.5	11.18	182.0					
11/28/2011	02:46:42					Reset Total, Vol = 153.19 bbl				
11/28/2011	02:46:42	362	6.5	12.08	185.9					
11/28/2011	02:46:43					40 bbl 12.5 Tail				
11/28/2011	02:46:43					Take Wet and Dry Sample # 013371				
11/28/2011	02:46:43					Sample = 12.5 ppg				
11/28/2011	02:46:43	362	6.5	12.10	186.0					
11/28/2011	02:46:44					Good Returns				
11/28/2011	02:46:44	360	6.5	12.11	186.1					
11/28/2011	02:47:33					Start Mixing Tail Slurry				
11/28/2011	02:47:33	375	6.5	12.39	191.4					
11/28/2011	02:47:46	377	6.5	12.42	192.8					
11/28/2011	02:49:26	402	6.5	12.52	203.6					

Well EF08A-24 EF08A-24			Field N Parachute		Job Start Nov/25/2011	Customer Encana	Job Number BUNM-00478
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/28/2011	02:52:31					End Tail Slurry	
11/28/2011	02:52:31	363	6.4	12.50	223.5		
11/28/2011	02:52:46	354	6.5	12.26	225.1		
11/28/2011	02:52:53					Reset Total, Vol = 39.99 bbl	
11/28/2011	02:52:53	331	6.5	12.29	225.9		
11/28/2011	02:52:54					Drop Top Plug	
11/28/2011	02:52:54	331	6.5	12.30	226.0		
11/28/2011	02:52:55					Start Displacement	
11/28/2011	02:52:55	344	6.5	12.30	226.1		
11/28/2011	02:52:56					40 bbl 12.5 Tail	
11/28/2011	02:52:56					Good Returns	
11/28/2011	02:52:56	338	6.5	12.30	226.2		
11/28/2011	02:54:26	39	0.0	12.31	229.3		
11/28/2011	02:56:06	40	0.0	12.34	229.3		
11/28/2011	02:57:46	196	5.1	8.73	234.9		
11/28/2011	02:59:26	181	5.1	8.58	243.4		
11/28/2011	03:01:06	198	5.1	8.35	251.9		
11/28/2011	03:02:46	219	5.1	8.36	260.3		
11/28/2011	03:04:26	315	6.5	8.36	269.6		
11/28/2011	03:06:06	327	6.5	8.35	280.5		
11/28/2011	03:07:46	363	6.5	8.34	291.3		
11/28/2011	03:09:26	370	6.5	8.33	302.1		
11/28/2011	03:11:06	383	6.4	8.35	312.9		
11/28/2011	03:12:46	391	6.4	8.36	323.5		
11/28/2011	03:14:26	445	6.4	8.36	334.2		
11/28/2011	03:16:06	457	6.4	8.36	344.9		
11/28/2011	03:17:46	399	4.7	8.36	354.8		
11/28/2011	03:19:26	427	4.1	8.36	361.8		
11/28/2011	03:21:06	372	2.0	8.36	366.2		
11/28/2011	03:22:46	361	2.0	8.36	369.5		
11/28/2011	03:24:26	994	0.0	8.36	370.8		
11/28/2011	03:26:06	17	0.0	8.36	370.8		
11/28/2011	03:26:44					Bump Top Plug	
11/28/2011	03:26:44	16	0.0	8.36	370.8		
11/28/2011	03:26:45					End Displacement	
11/28/2011	03:26:45	16	0.0	8.36	370.8		
11/28/2011	03:26:49					Bump Plug to 1000 psi	
11/28/2011	03:26:49					Bled Off Pressure	
11/28/2011	03:26:49					Floats Held	
11/28/2011	03:26:49					90 bbl Cement to Surface	
11/28/2011	03:26:49					Rig Down	
11/28/2011	03:26:49	16	0.0	8.36	370.8		
11/28/2011	03:26:50					End Job	

Well EF08A-24 EF08A-24	Field N Parachute	Job Start Nov/25/2011	Customer Encana	Job Number BUNM-00478
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.6	N2	Mud 0.0	Maximum Rate 6.6		Total Slurry 370.8	Mud 0.0	Spacer 33.5	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3238	Final 0	Average 357	Bump Plug to 1000	Breakdown	Type FreshWater	Volume 389.0 bbl		Density 8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume 194.0 bbl		Displacement 144.8 bbl		Mix Water Temp 68 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume	
Customer or Authorized Representative Floyd Roberts			Schlumberger Supervisor Tom Leduc			Washed Thru Perfs <input type="checkbox"/>		To
						Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-