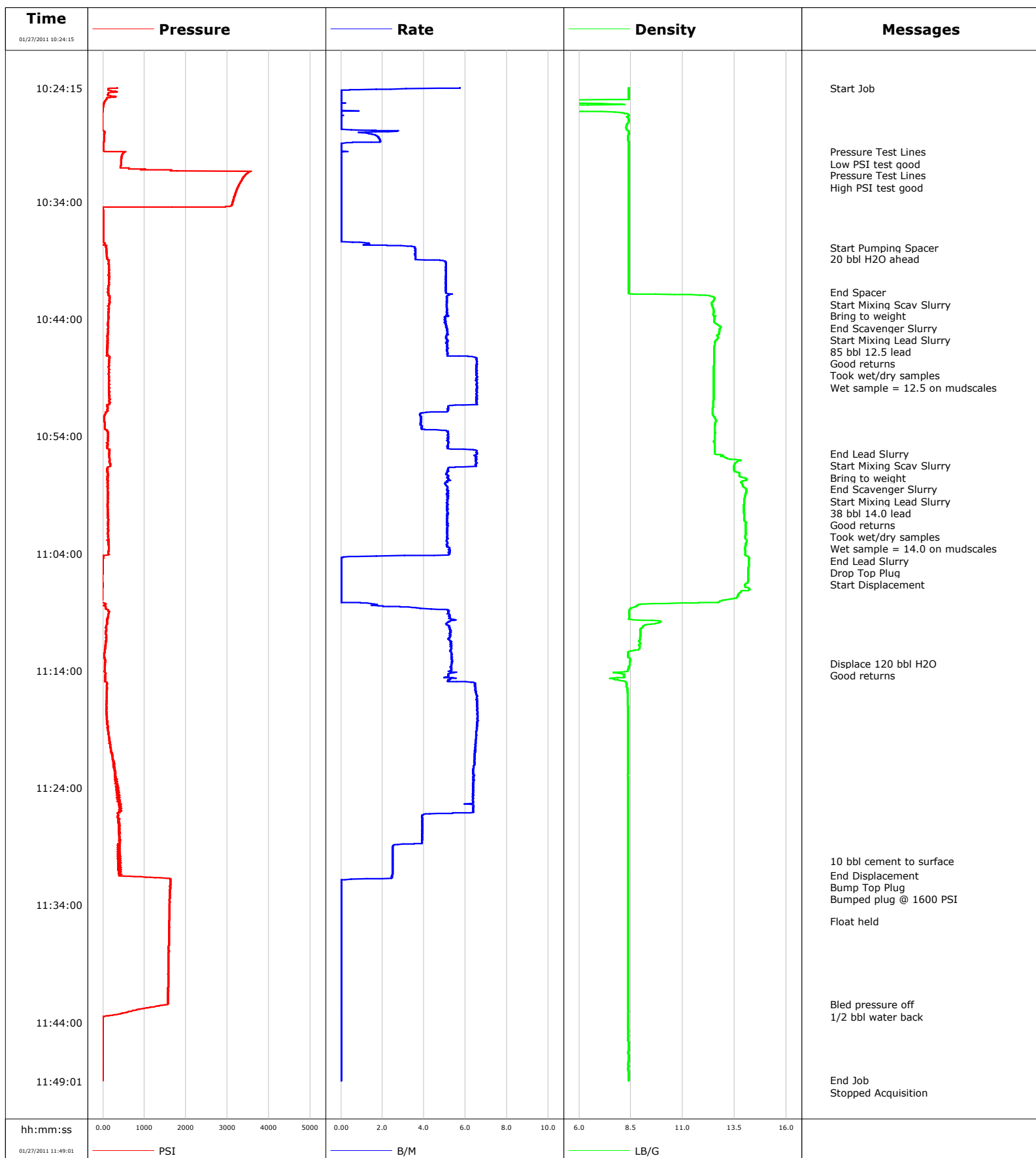


Well MF03B-16 H17 696
Field N. Parachute
Engineer Matt Fair
Country United States

Client Encana
SIR No. BAD4-00288
Job Type 9 5/8 Surface
Job Date 01-27-2011



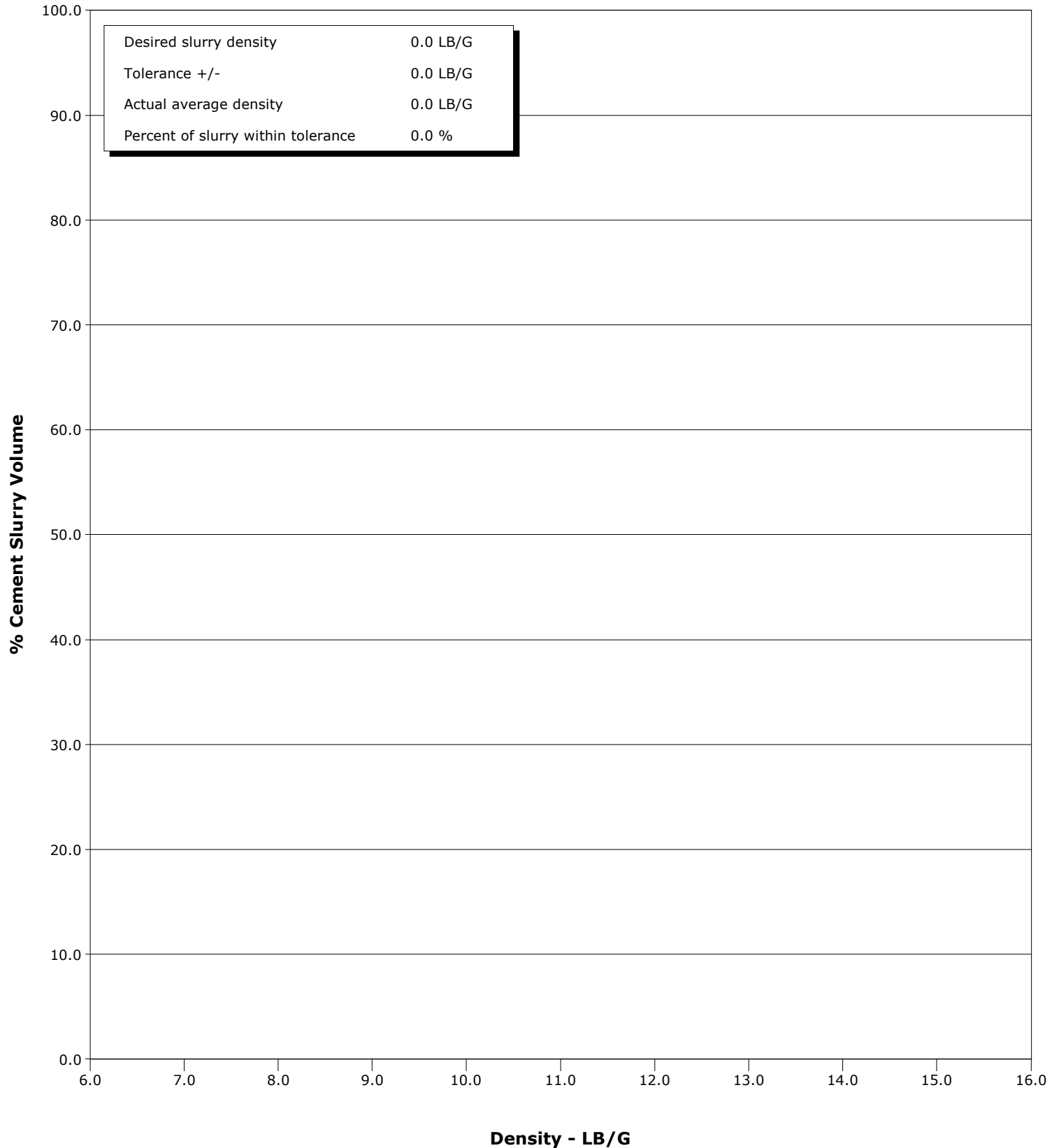
Schlumberger

Cementing Qa/Qc Density Report

Well MF03B-16 H17 696
Field N. Parachute
Engineer Matt Fair
Country United States

Client Encana
SIR No. BAD4-00288
Job Type 9 5/8 Surface
Job Date 01-27-2011

- 10/29/1970 09:12:24 to 10/29/1970 09:17:28





Cementing Service Report

				Customer Encana		Job Number BAD4-00288		
Well MF03B-16 H17 696			Location (legal)		Schlumberger Location		Job Start Jan/27/2011	
Field N. Parachute		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1601.0 ft	Well TVD 1630.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 86 degF	Pore Press. Gradient	
Well Master 0631240405		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 Exploration	120.0	16.000	65.0	N/A	N/A
				1601.0	9.630	36.0	K55	8RD
Drilling Fluid Type Bentonite		Max. Density 9.80 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 120.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 124.0 bbl	Annular Vol. 94.0 bbl	Openhole Vol. 223.0 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 792 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1601.0 ft		Tool Type		
No. Centralizers 22		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/27/2011 09:00		Arrived on Location Jan/27/2011 09:00		Leave Location Jan/27/2011 11:00		Collar Type Float		Tail Pipe Depth
						Collar Depth 1557.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/27/2011	09:49:36					Started Acquisition		
01/27/2011	09:49:40					Rig up per STD 5		
01/27/2011	09:49:40					Safety meeting		
01/27/2011	10:24:15	339	5.7	8.39	0.1			
01/27/2011	10:24:20					Start Job		
01/27/2011	10:24:20	169	4.7	8.39	0.6			
01/27/2011	10:24:36	319	0.0	8.39	0.8			
01/27/2011	10:26:16	-9	0.0	4.35	0.9			
01/27/2011	10:27:56	-3	1.5	8.37	1.0			
01/27/2011	10:29:36	9	0.0	8.39	2.7			
01/27/2011	10:29:44					Pressure Test Lines		
01/27/2011	10:29:44					Low PSI test good		
01/27/2011	10:29:44	555	0.2	8.39	2.7			
01/27/2011	10:31:16	916	0.0	8.39	2.7			
01/27/2011	10:31:46					Pressure Test Lines		
01/27/2011	10:31:46	3417	0.0	8.39	2.7			
01/27/2011	10:31:47					High PSI test good		
01/27/2011	10:31:47	3417	0.0	8.39	2.7			
01/27/2011	10:32:56	3232	0.0	8.38	2.7			
01/27/2011	10:34:36	-10	0.0	8.39	2.7			
01/27/2011	10:36:16	4	0.0	8.39	2.7			

Well MF03B-16 H17 696			Field N. Parachute	Job Start Jan/27/2011	Customer Encana	Job Number BAD4-00288
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
01/27/2011	10:37:52	64	3.6	8.39	3.6	
01/27/2011	10:37:53					20 bbl H2O ahead
01/27/2011	10:37:53	63	3.6	8.39	3.6	
01/27/2011	10:37:56	73	3.6	8.39	3.8	
01/27/2011	10:39:36	138	5.0	8.38	10.7	
01/27/2011	10:41:16	124	5.0	8.38	19.1	
01/27/2011	10:41:43					End Spacer
01/27/2011	10:41:43	139	5.1	8.39	21.4	
01/27/2011	10:41:45					Start Mixing Scav Slurry
01/27/2011	10:41:45					Bring to weight
01/27/2011	10:41:45	116	5.1	8.39	21.5	
01/27/2011	10:42:23					End Scavenger Slurry
01/27/2011	10:42:23	149	5.1	12.50	24.8	
01/27/2011	10:42:24					Start Mixing Lead Slurry
01/27/2011	10:42:24	149	5.1	12.49	24.9	
01/27/2011	10:42:25					85 bbl 12.5 lead
01/27/2011	10:42:25					Good returns
01/27/2011	10:42:25					Took wet/dry samples
01/27/2011	10:42:25					Wet sample = 12.5 on mudscales
01/27/2011	10:42:25	158	5.1	12.49	25.0	
01/27/2011	10:42:56	143	5.1	12.43	27.6	
01/27/2011	10:44:36	126	5.1	12.79	36.0	
01/27/2011	10:46:16	107	5.1	12.53	44.6	
01/27/2011	10:47:56	157	6.5	12.50	54.2	
01/27/2011	10:49:36	134	6.5	12.49	65.0	
01/27/2011	10:51:16	155	6.5	12.46	75.9	
01/27/2011	10:52:56	43	3.8	12.56	83.4	
01/27/2011	10:54:36	125	5.1	12.53	91.3	
01/27/2011	10:55:28					End Lead Slurry
01/27/2011	10:55:28	161	6.6	12.54	96.2	
01/27/2011	10:55:29					Start Mixing Scav Slurry
01/27/2011	10:55:29	161	6.6	12.54	96.3	
01/27/2011	10:55:32					Bring to weight
01/27/2011	10:55:32	148	6.6	12.56	96.7	
01/27/2011	10:56:16	157	6.5	13.56	101.4	
01/27/2011	10:57:39					End Scavenger Slurry
01/27/2011	10:57:39	112	5.2	14.09	109.0	
01/27/2011	10:57:40					Start Mixing Lead Slurry
01/27/2011	10:57:40	104	5.2	14.11	109.1	
01/27/2011	10:57:41					38 bbl 14.0 lead
01/27/2011	10:57:41					Good returns
01/27/2011	10:57:41					Took wet/dry samples
01/27/2011	10:57:41					Wet sample = 14.0 on mudscales
01/27/2011	10:57:41	104	5.1	14.11	109.2	
01/27/2011	10:57:56	116	5.1	13.79	110.5	
01/27/2011	10:59:36	108	5.2	13.96	119.0	
01/27/2011	11:01:16	125	5.1	14.02	127.6	
01/27/2011	11:02:56	133	5.1	14.08	136.1	
01/27/2011	11:04:10					End Lead Slurry
01/27/2011	11:04:10	33	4.5	14.01	142.5	
01/27/2011	11:04:14					Drop Top Plug
01/27/2011	11:04:14	4	1.7	14.10	142.7	
01/27/2011	11:04:15					Start Displacement
01/27/2011	11:04:15	5	0.8	14.14	142.7	

Well			Field		Job Start	Customer	Job Number
MF03B-16 H17 696			N. Parachute		Jan/27/2011	Encana	BAD4-00288
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
01/27/2011	11:06:16	-18	0.0	14.15	142.7		
01/27/2011	11:07:56	-19	0.0	13.18	142.7		
01/27/2011	11:09:36	105	5.3	8.40	148.4		
01/27/2011	11:11:16	83	5.2	8.95	157.1		
01/27/2011	11:12:56	36	5.3	8.44	166.0		
01/27/2011	11:13:24					Displace 120 bbl H2O	
01/27/2011	11:13:24					Good returns	
01/27/2011	11:13:24	47	5.4	8.44	168.5		
01/27/2011	11:14:36	39	5.0	8.18	174.8		
01/27/2011	11:16:16	88	6.5	8.34	185.1		
01/27/2011	11:17:56	92	6.6	8.36	196.1		
01/27/2011	11:19:36	134	6.5	8.36	207.0		
01/27/2011	11:21:16	226	6.5	8.36	217.8		
01/27/2011	11:22:56	285	6.4	8.35	228.5		
01/27/2011	11:24:36	395	6.4	8.37	239.1		
01/27/2011	11:26:16	364	4.0	8.37	249.5		
01/27/2011	11:27:56	409	3.9	8.37	256.0		
01/27/2011	11:29:36	395	2.5	8.37	261.4		
01/27/2011	11:30:14					10 bbl cement to surface	
01/27/2011	11:30:14	358	2.5	8.37	263.0		
01/27/2011	11:31:16	421	2.5	8.37	265.6		
01/27/2011	11:31:29					End Displacement	
01/27/2011	11:31:29					Bump Top Plug	
01/27/2011	11:31:29	438	2.5	8.37	266.1		
01/27/2011	11:31:56					Bumped plug @ 1600 PSI	
01/27/2011	11:31:56	1631	0.0	8.37	266.8		
01/27/2011	11:32:56	1614	0.0	8.37	266.8		
01/27/2011	11:34:36	1601	0.0	8.37	266.8		
01/27/2011	11:35:20					Float held	
01/27/2011	11:35:20	1595	0.0	8.37	266.8		
01/27/2011	11:36:16	1590	0.0	8.37	266.8		
01/27/2011	11:37:56	1585	0.0	8.37	266.8		
01/27/2011	11:39:36	1576	0.0	8.38	266.8		
01/27/2011	11:41:16	1570	0.0	8.38	266.8		
01/27/2011	11:42:28					Bled pressure off	
01/27/2011	11:42:28	1563	0.0	8.38	266.8		
01/27/2011	11:42:56	843	0.0	8.38	266.8		
01/27/2011	11:43:33					1/2 bbl water back	
01/27/2011	11:43:33	2	0.0	8.38	266.8		
01/27/2011	11:44:36	-6	0.0	8.38	266.8		
01/27/2011	11:46:16	-5	0.0	8.38	266.8		
01/27/2011	11:47:56	-5	0.0	8.38	266.8		
01/27/2011	11:48:57					End Job	
01/27/2011	11:48:57	-5	0.0	8.38	266.8		

Well	Field	Job Start	Customer	Job Number
MF03B-16 H17 696	N. Parachute	Jan/27/2011	Encana	BAD4-00288

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.1		0.0	6.6	124.0	0.0	20.8		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
3948	-5	295	1500					
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
	123.0 bbl		120.2 bbl	78 degF	<input checked="" type="checkbox"/>	10.0 bbl		
					Washed Thru Perfs	To		
					<input type="checkbox"/>			
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Ed Asuchak			Matt Fair		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
					-	-		



Service Order #:	
Date:	Jan/27/2011
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.

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: