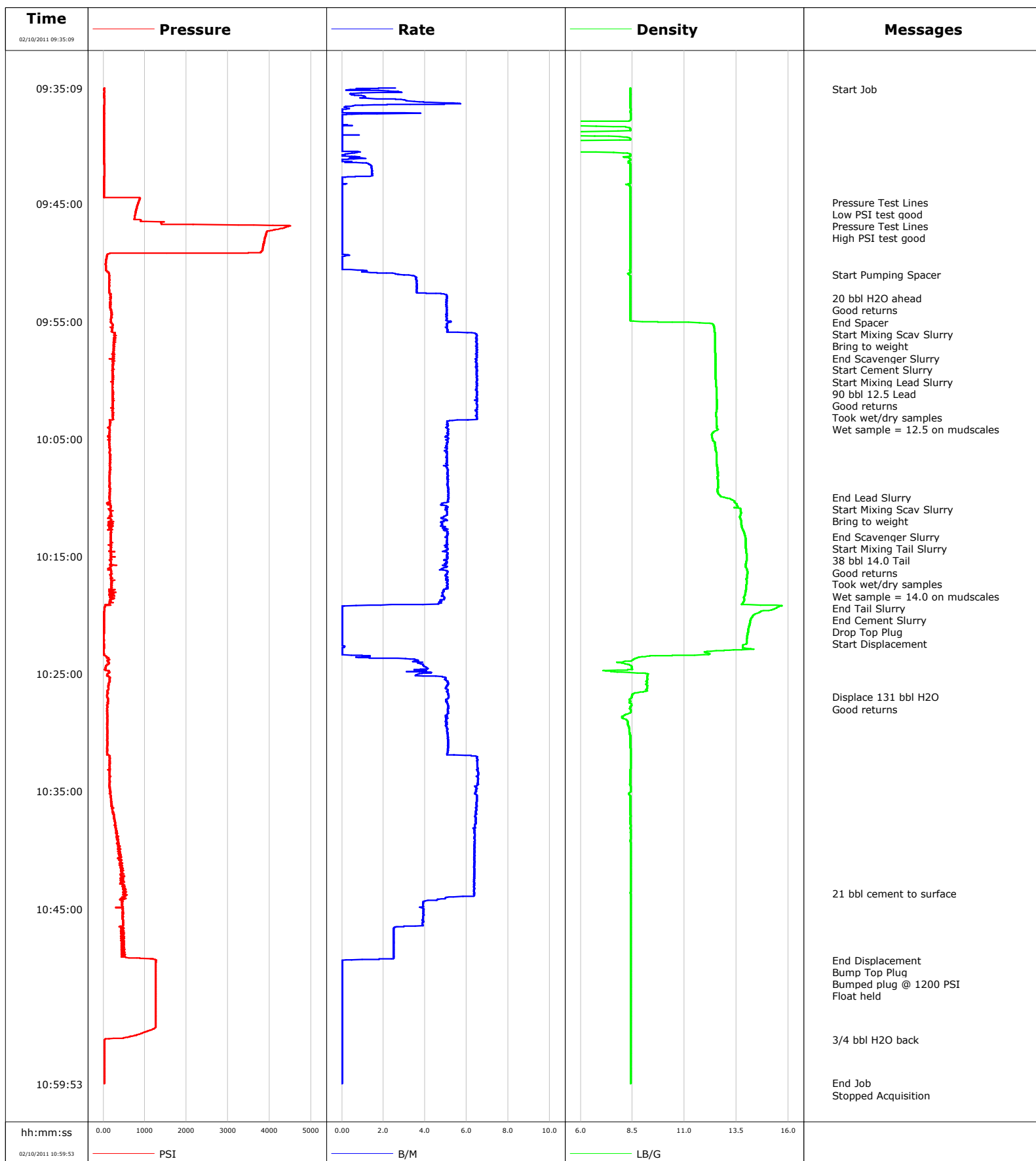


Well MF05D-16 H17 696
Field N. Parachute
Engineer Matt Fair
Country United States

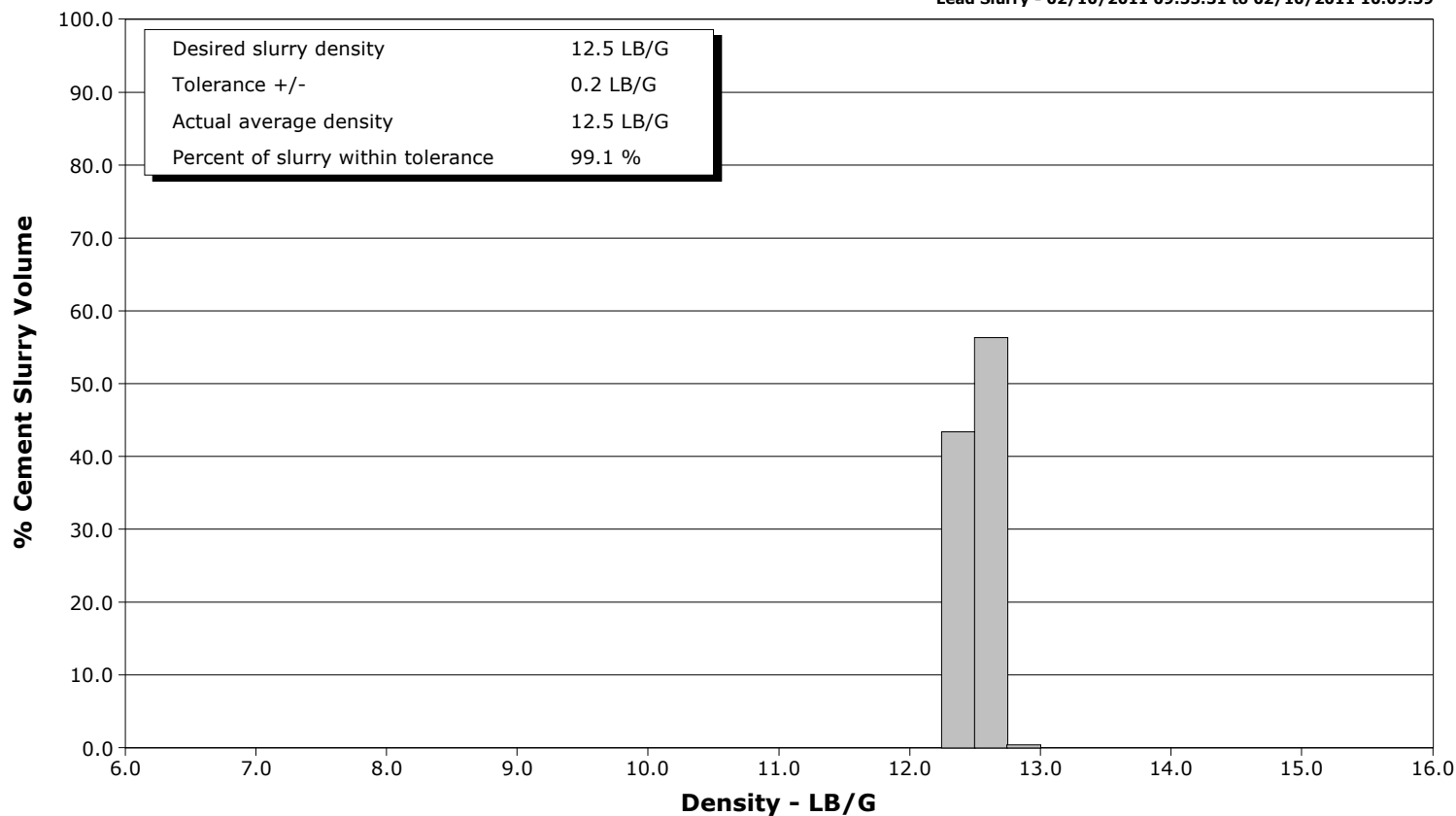
Client Encana
SIR No. BAD4-00297
Job Type 9 5/8 Surface
Job Date 02-10-2011



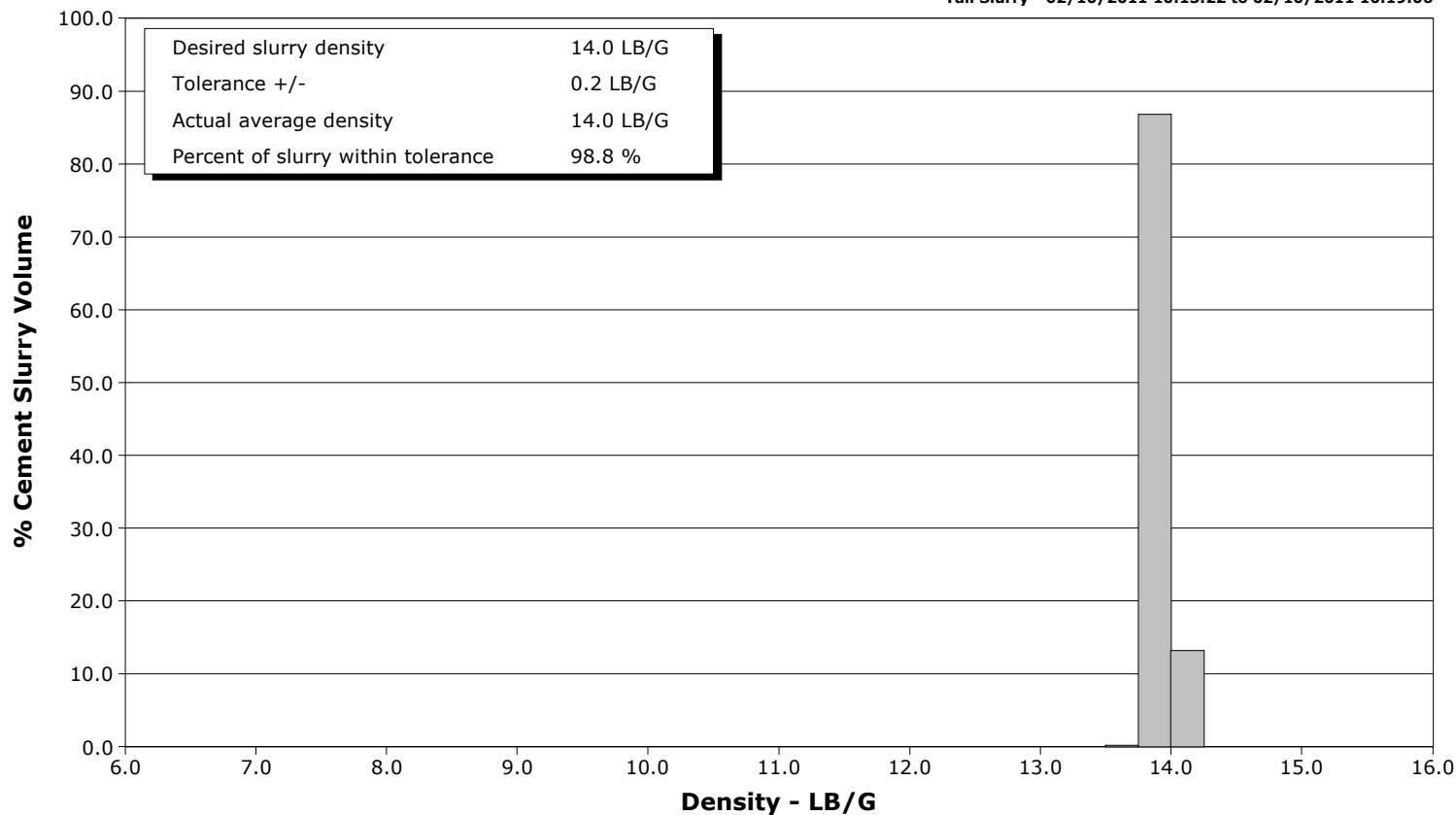
Well MF05D-16 H17 696
Field N. Parachute
Engineer Matt Fair
Country United States

Client Encana
SIR No. BAD4-00297
Job Type 9 5/8 Surface
Job Date 02-10-2011

Lead Slurry - 02/10/2011 09:55:31 to 02/10/2011 10:09:59



Tail Slurry - 02/10/2011 10:13:22 to 02/10/2011 10:19:06





Cementing Service Report

				Customer Encana		Job Number BAD4-00297		
Well MF05D-16 H17 696			Location (legal)		Schlumberger Location		Job Start Feb/10/2011	
Field N. Parachute		Formation Name/Type Shale		Deviation	Bit Size 12.3 in	Well MD 1709.0 ft	Well TVD 1709.0 ft	
County Garfield		State/Province Colorado		BHP	BHST 100 degF	BHCT 86 degF	Pore Press. Gradient	
Well Master 0631240393		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
				1709.0	9.630	36.0	J55	8RD
Drilling Fluid Type Bentonite		Max. Density 9.30 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 131.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 133.0 bbl	Annular Vol. 105.0 bbl	Openhole Vol. 247.0 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 846 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1709.0 ft		Tool Type		
No. Centralizers 24		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Feb/10/2011 06:00		Arrived on Location Feb/10/2011 06:00		Leave Location Feb/10/2011 12:00		Collar Type Float		Tail Pipe Depth
						Collar Depth 1688.0 ft		Sqz. Total Vol.
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/10/2011	09:00:27					Started Acquisition		
02/10/2011	09:00:30					Rig up per STD 5		
02/10/2011	09:00:30					Safety meeting		
02/10/2011	09:35:09	29	4.1	8.40	0.1			
02/10/2011	09:35:15					Start Job		
02/10/2011	09:35:15	24	0.7	8.40	0.2			
02/10/2011	09:35:27	27	2.5	8.40	0.4			
02/10/2011	09:37:07	21	0.0	8.40	3.3			
02/10/2011	09:38:47	21	0.0	8.40	3.6			
02/10/2011	09:40:27	21	0.0	0.37	3.6			
02/10/2011	09:42:07	25	1.4	8.39	4.8			
02/10/2011	09:43:47	21	0.0	8.40	5.6			
02/10/2011	09:44:52					Pressure Test Lines		
02/10/2011	09:44:52	848	0.0	8.40	5.6			
02/10/2011	09:44:53					Low PSI test good		
02/10/2011	09:44:53	846	0.0	8.40	5.6			
02/10/2011	09:45:27	799	0.0	8.40	5.6			
02/10/2011	09:46:54					Pressure Test Lines		
02/10/2011	09:46:54	4493	0.0	8.40	5.6			
02/10/2011	09:46:57					High PSI test good		
02/10/2011	09:46:57	4436	0.0	8.40	5.6			

Well			Field	Job Start		Customer	Job Number
MF05D-16 H17 696			N. Parachute	Feb/10/2011		Encana	BAD4-00297
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/10/2011	09:48:47	3835	0.0	8.40	5.6		
02/10/2011	09:50:27	63	0.0	8.40	5.7		
02/10/2011	09:50:59					Start Pumping Spacer	
02/10/2011	09:50:59	135	2.6	8.30	6.2		
02/10/2011	09:52:07	147	3.6	8.39	10.1		
02/10/2011	09:53:01					20 bbl H2O ahead	
02/10/2011	09:53:01	168	5.0	8.39	13.9		
02/10/2011	09:53:47	163	5.0	8.39	17.8		
02/10/2011	09:53:48					Good returns	
02/10/2011	09:53:48	183	5.0	8.39	17.9		
02/10/2011	09:55:06					End Spacer	
02/10/2011	09:55:06	192	5.2	10.41	24.4		
02/10/2011	09:55:09					Start Mixing Scav Slurry	
02/10/2011	09:55:09	200	5.1	11.74	24.7		
02/10/2011	09:55:10					Bring to weight	
02/10/2011	09:55:10	200	5.1	12.01	24.8		
02/10/2011	09:55:27	227	5.1	12.41	26.2		
02/10/2011	09:55:30					End Scavenger Slurry	
02/10/2011	09:55:30	215	5.0	12.42	26.5		
02/10/2011	09:55:31					Start Cement Slurry	
02/10/2011	09:55:31					Start Mixing Lead Slurry	
02/10/2011	09:55:31	167	5.0	12.42	26.5		
02/10/2011	09:55:32					90 bbl 12.5 Lead	
02/10/2011	09:55:32	167	5.0	12.43	26.6		
02/10/2011	09:55:33					Good returns	
02/10/2011	09:55:33					Took wet/dry samples	
02/10/2011	09:55:33					Wet sample = 12.5 on mudscales	
02/10/2011	09:55:33	211	5.0	12.43	26.7		
02/10/2011	09:57:07	251	6.5	12.47	36.3		
02/10/2011	09:58:47	231	6.5	12.49	47.1		
02/10/2011	10:00:27	221	6.5	12.52	57.9		
02/10/2011	10:02:07	233	6.5	12.55	68.7		
02/10/2011	10:03:47	155	5.0	12.54	79.0		
02/10/2011	10:05:27	154	5.1	12.45	87.5		
02/10/2011	10:07:07	168	5.0	12.53	95.9		
02/10/2011	10:08:47	151	5.1	12.60	104.3		
02/10/2011	10:09:59					End Lead Slurry	
02/10/2011	10:09:59	141	5.1	12.90	110.5		
02/10/2011	10:10:00					Start Mixing Scav Slurry	
02/10/2011	10:10:00	161	5.1	12.90	110.5		
02/10/2011	10:10:01					Bring to weight	
02/10/2011	10:10:01	139	5.1	12.94	110.6		
02/10/2011	10:10:27	115	5.0	13.42	112.8		
02/10/2011	10:12:07	124	4.8	13.73	121.1		
02/10/2011	10:13:21					End Scavenger Slurry	
02/10/2011	10:13:21	196	5.1	13.92	127.2		
02/10/2011	10:13:22					Start Mixing Tail Slurry	
02/10/2011	10:13:22	172	5.0	13.92	127.3		
02/10/2011	10:13:23					38 bbl 14.0 Tail	
02/10/2011	10:13:23					Good returns	
02/10/2011	10:13:23	172	5.0	13.92	127.4		
02/10/2011	10:13:24					Took wet/dry samples	
02/10/2011	10:13:24					Wet sample = 14.0 on mudscales	
02/10/2011	10:13:24	191	5.0	13.93	127.5		

Well			Field		Job Start	Customer	Job Number
MF05D-16 H17 696			N. Parachute		Feb/10/2011	Encana	BAD4-00297
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/10/2011	10:15:27	191	5.0	13.97	137.8		
02/10/2011	10:17:07	207	5.1	13.99	146.2		
02/10/2011	10:18:47	185	4.8	13.86	154.4		
02/10/2011	10:19:06					End Tail Slurry	
02/10/2011	10:19:06	160	3.9	13.74	155.9		
02/10/2011	10:19:08					End Cement Slurry	
02/10/2011	10:19:08	57	2.4	14.05	156.0		
02/10/2011	10:19:17					Drop Top Plug	
02/10/2011	10:19:17					Start Displacement	
02/10/2011	10:19:17	39	0.0	15.56	156.2		
02/10/2011	10:20:27	19	0.0	14.17	156.2		
02/10/2011	10:22:07	15	0.0	14.00	156.2		
02/10/2011	10:23:47	150	3.5	8.56	156.8		
02/10/2011	10:25:27	160	5.0	9.21	163.4		
02/10/2011	10:26:58					Displace 131 bbl H2O	
02/10/2011	10:26:58					Good returns	
02/10/2011	10:26:58	98	5.1	8.46	171.1		
02/10/2011	10:27:07	111	5.1	8.41	171.9		
02/10/2011	10:28:47	95	5.1	8.02	180.3		
02/10/2011	10:30:27	96	5.1	8.39	188.8		
02/10/2011	10:32:07	153	6.5	8.41	197.5		
02/10/2011	10:33:47	152	6.5	8.40	208.4		
02/10/2011	10:35:27	178	6.5	8.39	219.2		
02/10/2011	10:37:07	255	6.4	8.41	230.0		
02/10/2011	10:38:47	326	6.4	8.41	240.6		
02/10/2011	10:40:27	374	6.4	8.41	251.3		
02/10/2011	10:42:07	432	6.4	8.41	261.9		
02/10/2011	10:43:40					21 bbl cement to surface	
02/10/2011	10:43:40	536	6.4	8.40	271.7		
02/10/2011	10:43:47	533	6.4	8.41	272.5		
02/10/2011	10:45:27	480	3.9	8.41	279.8		
02/10/2011	10:47:07	421	2.5	8.41	285.4		
02/10/2011	10:48:47	494	2.5	8.41	289.5		
02/10/2011	10:49:22					End Displacement	
02/10/2011	10:49:22	1273	0.2	8.41	290.8		
02/10/2011	10:49:23					Bump Top Plug	
02/10/2011	10:49:23	1273	0.0	8.41	290.8		
02/10/2011	10:49:24					Bumped plug @ 1200 PSI	
02/10/2011	10:49:24	1269	0.0	8.41	290.8		
02/10/2011	10:49:57					Float held	
02/10/2011	10:49:57	1257	0.0	8.41	290.8		
02/10/2011	10:50:27	1260	0.0	8.41	290.8		
02/10/2011	10:52:07	1254	0.0	8.41	290.8		
02/10/2011	10:53:47	1255	0.0	8.41	290.8		
02/10/2011	10:55:27	1047	0.0	8.41	290.8		
02/10/2011	10:56:07					3/4 bbl H2O back	
02/10/2011	10:56:07	38	0.0	8.41	290.8		
02/10/2011	10:57:07	27	0.0	8.41	290.8		
02/10/2011	10:58:47	26	0.0	8.41	290.8		
02/10/2011	10:59:49					End Job	
02/10/2011	10:59:49	25	0.0	8.41	290.8		

Well	Field	Job Start	Customer	Job Number
MF05D-16 H17 696	N. Parachute	Feb/10/2011	Encana	BAD4-00297

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
4.9		0.0	6.6	128.8	0.0	21.2		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4493	26	387	1000					
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
	128.0 bbl		130.7 bbl	56 degF	<input checked="" type="checkbox"/>	21.0 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:	Feb/10/2011
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.

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%
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Client:	Schlumberger:
Client Signature:	Schlumberger Signature: