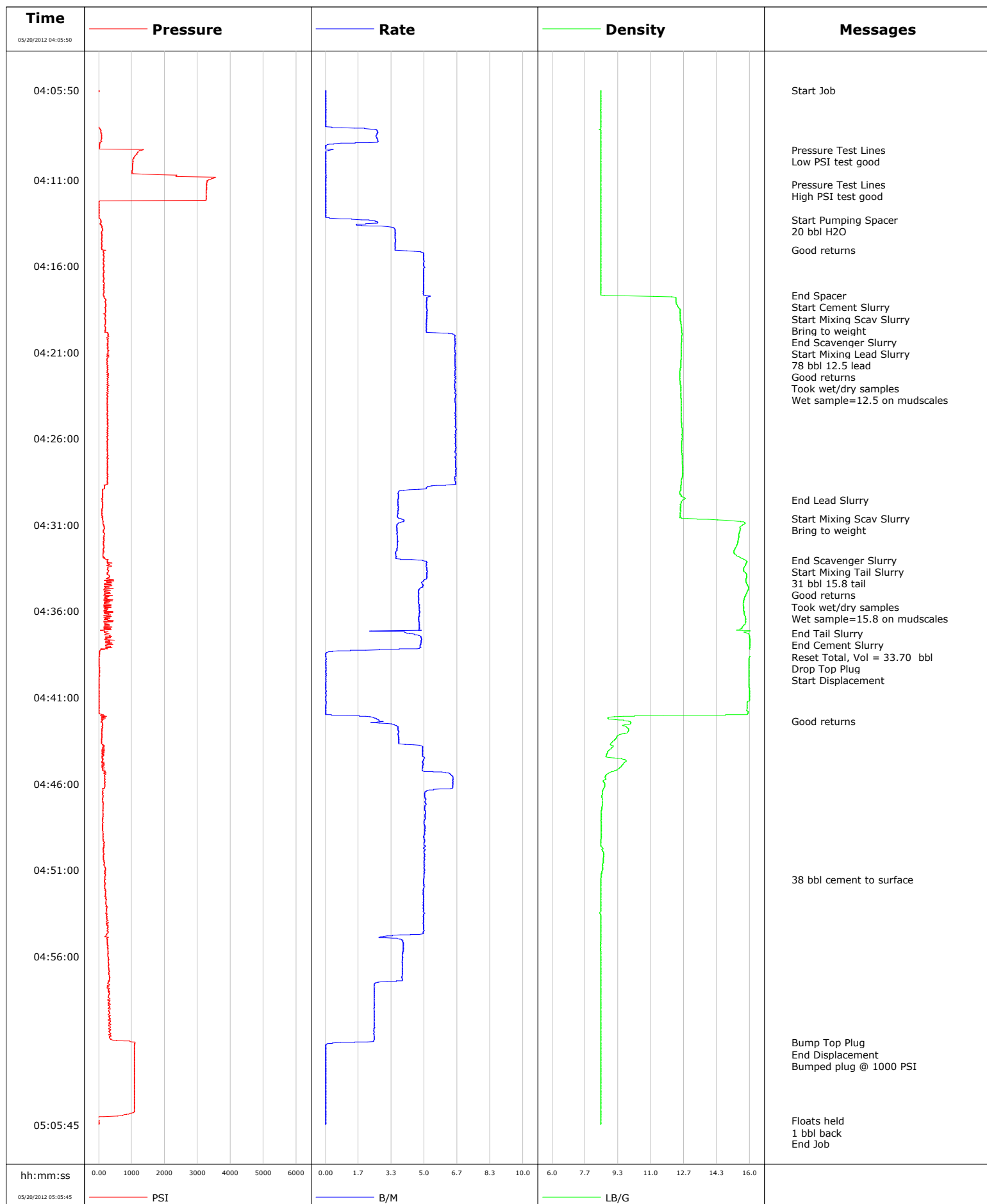


Well Federal 29-5A
Field Parachute
Engineer Matt Fair/Justin Zika
Country United States

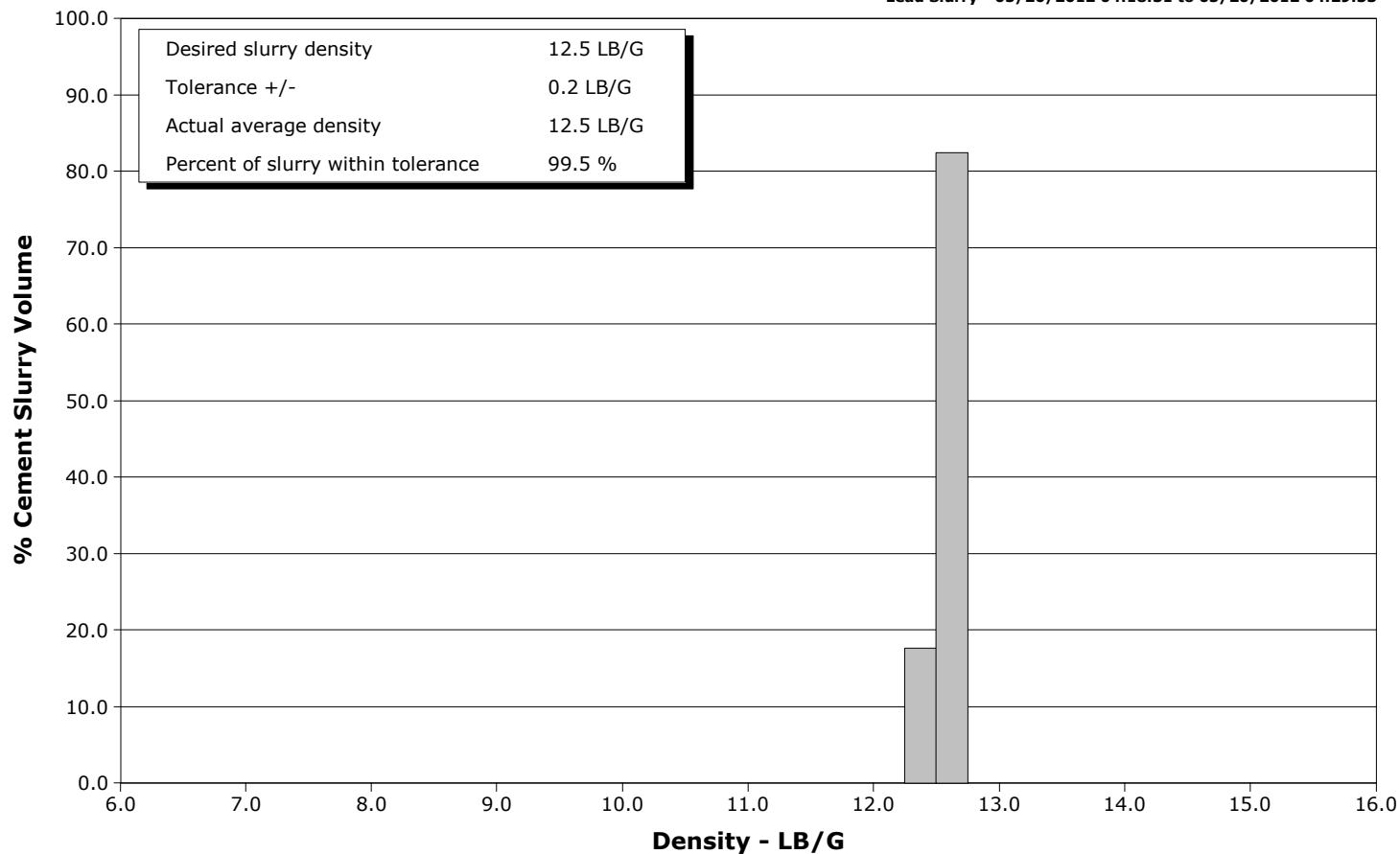
Client Encana
SIR No. C4HD-00274
Job Type 9 5/8" Surface
Job Date 05-19-2012



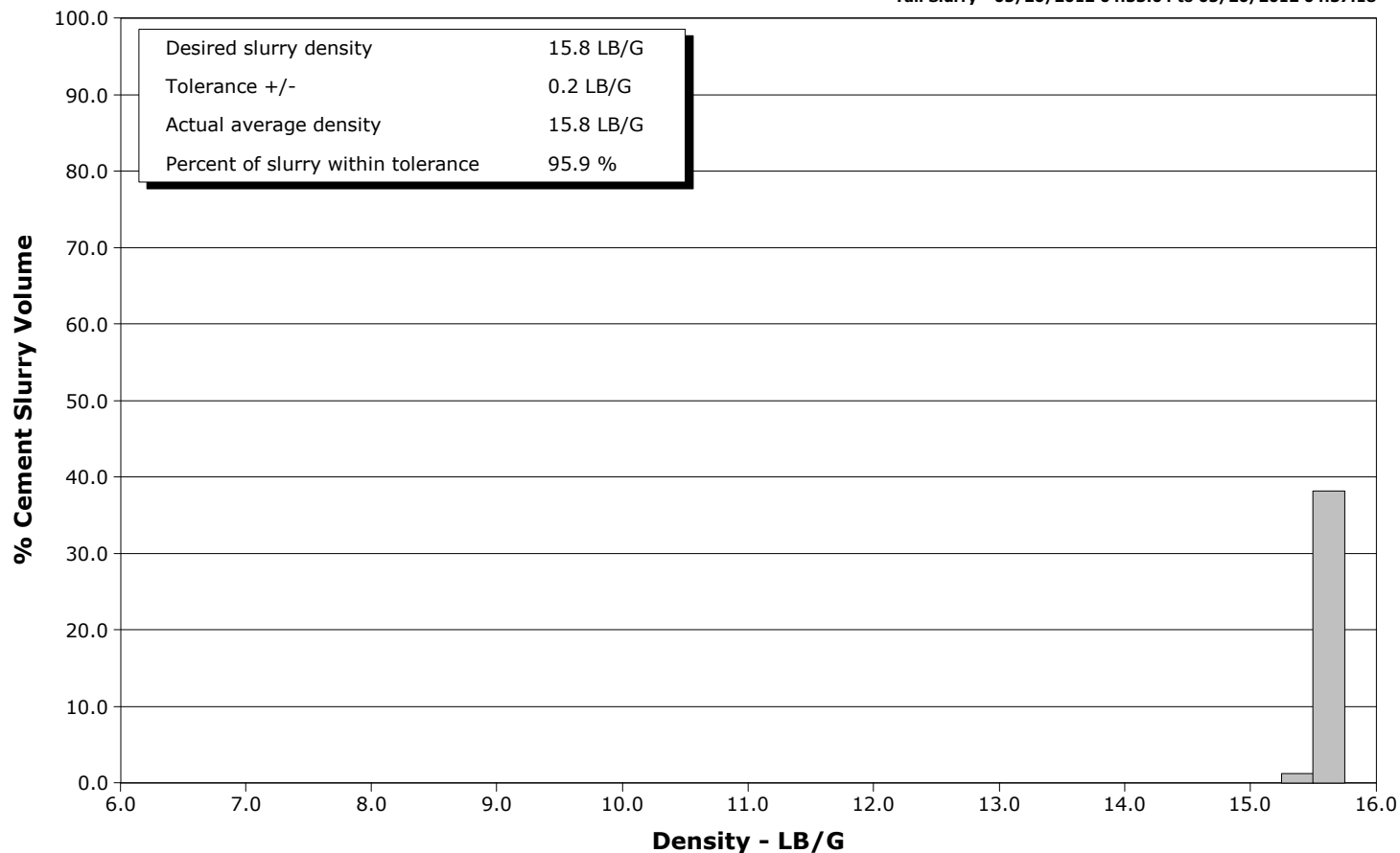
Well Federal 29-5A
Field Parachute
Engineer Matt Fair/Justin Zika
Country United States

Client Encana
SIR No. C4HD-00274
Job Type 9 5/8" Surface
Job Date 05-19-2012

Lead Slurry - 05/20/2012 04:18:31 to 05/20/2012 04:29:33



Tail Slurry - 05/20/2012 04:33:04 to 05/20/2012 04:37:18



				Customer Encana			Job Number C4HD-00274				
Well Federal 29-5A			Location (legal)			Schlumberger Location			Job Start May/19/2012		
Field Parachute		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1035.0 ft		Well TVD 1035.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 94 degF		BHCT 81 degF		Pore Press. Gradient lb/gal	
Well Master 0631338843		API/UWI									
Rig Name Nabors M11		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		9.6		36.0	
						0.0		0.0		0.0	
Drilling Fluid Type Bentonite		Max. Density 9.00 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
										Weight, lb/ft	
										Grade	
										Thread	
Service Line Cementing		Job Type 9 5/8" Surface				Perforations/Open Hole					
Max. Allowed Tub. Press 2030 psi		Max. Allowed Ann. Press 3520 psi		WH Connection Single Cement head		Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
						ft		ft			
						ft		ft		Diameter in	
						ft		ft			
						Treat Down Casing		Displacement 77.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 80.0 bbl		Annular Vol. 63.0 bbl	
										Openhole Vol. 147.0 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 512 psi						Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1033.0 ft			Tool Type		
No. Centralizers		Top Plugs 1		Bottom Plugs 0		Stage Tool Type			Tool Depth ft		
Cement Head Type Single						Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For May/19/2012 22:00		Arrived on Location May/19/2012 22:00		Leave Location May/20/2012 06:00		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 990.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
05/20/2012	04:05:50	8.47	1	0.0	Started Acquisition						
05/20/2012	04:05:51	8.47	1	0.0	Start Job						
05/20/2012	04:08:20	8.47	70	2.6							
05/20/2012	04:09:16	8.46	1352	0.4	Pressure Test Lines						
05/20/2012	04:09:17	8.46	1339	0.4	Low PSI test good						
05/20/2012	04:10:50	8.46	2344	0.0							
05/20/2012	04:11:18	8.47	3274	0.0	Pressure Test Lines						
05/20/2012	04:11:19	8.47	3274	0.0	High PSI test good						
05/20/2012	04:13:20	8.47	51	1.8							
05/20/2012	04:13:21	8.47	54	2.2	Start Pumping Spacer						
05/20/2012	04:13:23	8.47	59	2.4	20 bbl H2O						
05/20/2012	04:15:05	8.46	98	3.5	Good returns						
05/20/2012	04:15:50	8.46	138	5.0							
05/20/2012	04:17:44	8.63	148	5.1	End Spacer						
05/20/2012	04:17:47	11.14	147	5.3	Start Cement Slurry						
05/20/2012	04:17:49	12.05	152	5.2	Start Mixing Scav Slurry						
05/20/2012	04:17:51	12.27	162	5.1	Bring to weight						
05/20/2012	04:18:20	12.34	207	5.1							
05/20/2012	04:18:30	12.45	195	5.1	End Scavenger Slurry						
05/20/2012	04:18:31	12.45	197	5.1	Start Mixing Lead Slurry						
05/20/2012	04:18:33	12.50	204	5.2	78 bbl 12.5 lead						

Well Federal 29-5A			Field Parachute	Job Start May/19/2012	Customer Encana	Job Number C4HD-00274
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
05/20/2012	04:20:54	12.54	269	6.6	Good returns	
05/20/2012	04:22:17	12.46	276	6.6	Took wet/dry samples	
05/20/2012	04:22:19	12.47	265	6.6	Wet sample=12.5 on mudscales	
05/20/2012	04:23:20	12.52	244	6.6		
05/20/2012	04:25:50	12.57	268	6.6		
05/20/2012	04:28:20	12.56	255	6.5		
05/20/2012	04:29:33	12.67	104	3.7	End Lead Slurry	
05/20/2012	04:30:39	12.86	110	3.8	Start Mixing Scav Slurry	
05/20/2012	04:30:40	13.35	113	3.9	Bring to weight	
05/20/2012	04:30:50	15.56	123	3.9		
05/20/2012	04:33:03	15.79	284	4.7	End Scavenger Slurry	
05/20/2012	04:33:04	15.83	253	4.9	Start Mixing Tail Slurry	
05/20/2012	04:33:06	15.85	261	5.0	31 bbl 15.8 tail	
05/20/2012	04:33:20	15.79	299	5.1		
05/20/2012	04:33:28	15.73	269	5.1	Good returns	
05/20/2012	04:33:43	15.72	287	5.2	Took wet/dry samples	
05/20/2012	04:35:50	15.69	199	4.7		
05/20/2012	04:37:18	15.94	258	4.2	End Tail Slurry	
05/20/2012	04:37:21	15.97	202	4.5	End Cement Slurry	
05/20/2012	04:38:13	16.01	163	3.7	Reset Total, Vol = 33.70 bbl	
05/20/2012	04:38:18	16.05	30	1.3	Drop Top Plug	
05/20/2012	04:38:20	16.03	27	0.3	Start Displacement	
05/20/2012	04:40:50	15.98	5	0.0		
05/20/2012	04:42:23	9.88	100	2.8	Good returns	
05/20/2012	04:43:20	9.26	97	3.7		
05/20/2012	04:45:50	8.60	181	6.4		
05/20/2012	04:48:20	8.49	113	5.0		
05/20/2012	04:50:50	8.56	193	5.0		
05/20/2012	04:51:34	8.47	196	5.0	38 bbl cement to surface	
05/20/2012	04:53:20	8.46	241	5.0		
05/20/2012	04:55:50	8.46	280	3.9		
05/20/2012	04:58:20	8.46	291	2.5		
05/20/2012	05:00:50	8.46	365	2.5		
05/20/2012	05:00:59	8.46	1099	1.5	Bump Top Plug	
05/20/2012	05:01:00	8.46	1092	0.8	End Displacement	
05/20/2012	05:01:03	8.46	1087	0.2	Bumped plug @ 1000 PSI	
05/20/2012	05:03:20	8.46	1081	0.0		
05/20/2012	05:05:31	8.47	1	0.0	Floats held	
05/20/2012	05:05:32	8.46	1	0.0	1 bbl back	

Well Federal 29-5A	Field Parachute	Job Start May/19/2012	Customer Encana	Job Number C4HD-00274
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.3	N2	Mud	Maximum Rate 6.6		Total Slurry 109.0	Mud 0.0	Spacer 21.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3535	Final 2	Average 352	Bump Plug to 1000	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 109.0 bbl	Displacement 76.0 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 38.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Marco Silva			Schlumberger Supervisor Matt Fair/Justin Zika			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Quality Evaluation

Client:	Encana
Field:	Parachute
Rig:	Nabors M11
Well:	Federal 29-5A
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	May/19/2012
Operating Time (hh:mm):	00:00
Client Rep:	Marco Silva
Schlumberger Engineer:	Matt Fair/Justin Zika
Schlumberger FSM:	

Main Objective:

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

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1b	Free of environmental spill or non-compliant discharge	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1c	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
Sub-total					100%

3	Execution				
3a	Lost time < 30 mins	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3b	Equipment pressure tested succesfully	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3d	Plugs / darts released and tested succesfully	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3e	Density variation met expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3f	Personnel performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3g	Equipment performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3h	Job pumped as per design	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3i	Did job start on time	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
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%

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

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: