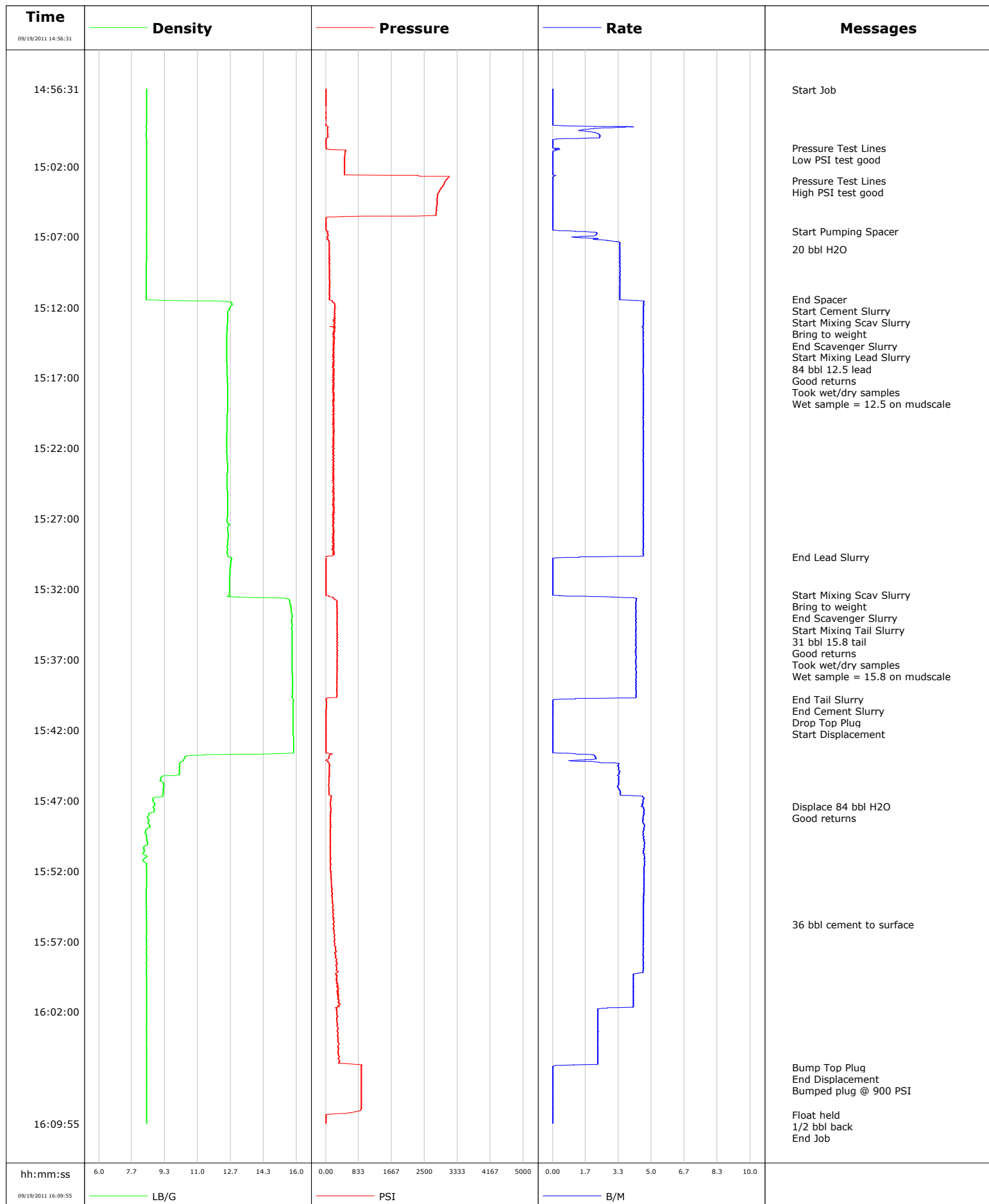


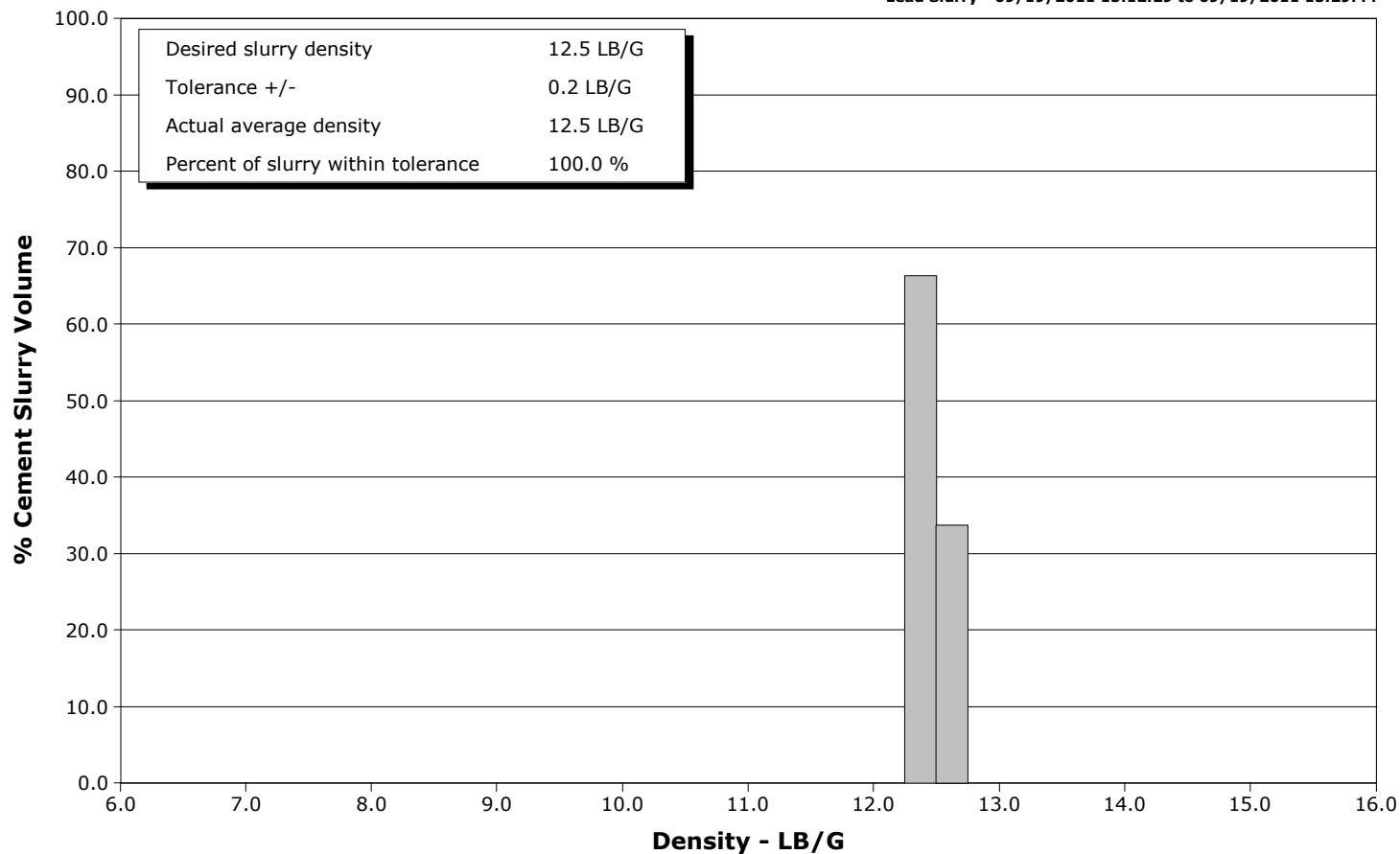
Well	Federal 19-16BB PA	Client	Encana
Field	Parachute	SIR No.	BUNM-00189
Engineer	Matt Fair / Overstreet	Job Type	9 5/8 Surface
Country	United States	Job Date	09-19-2011



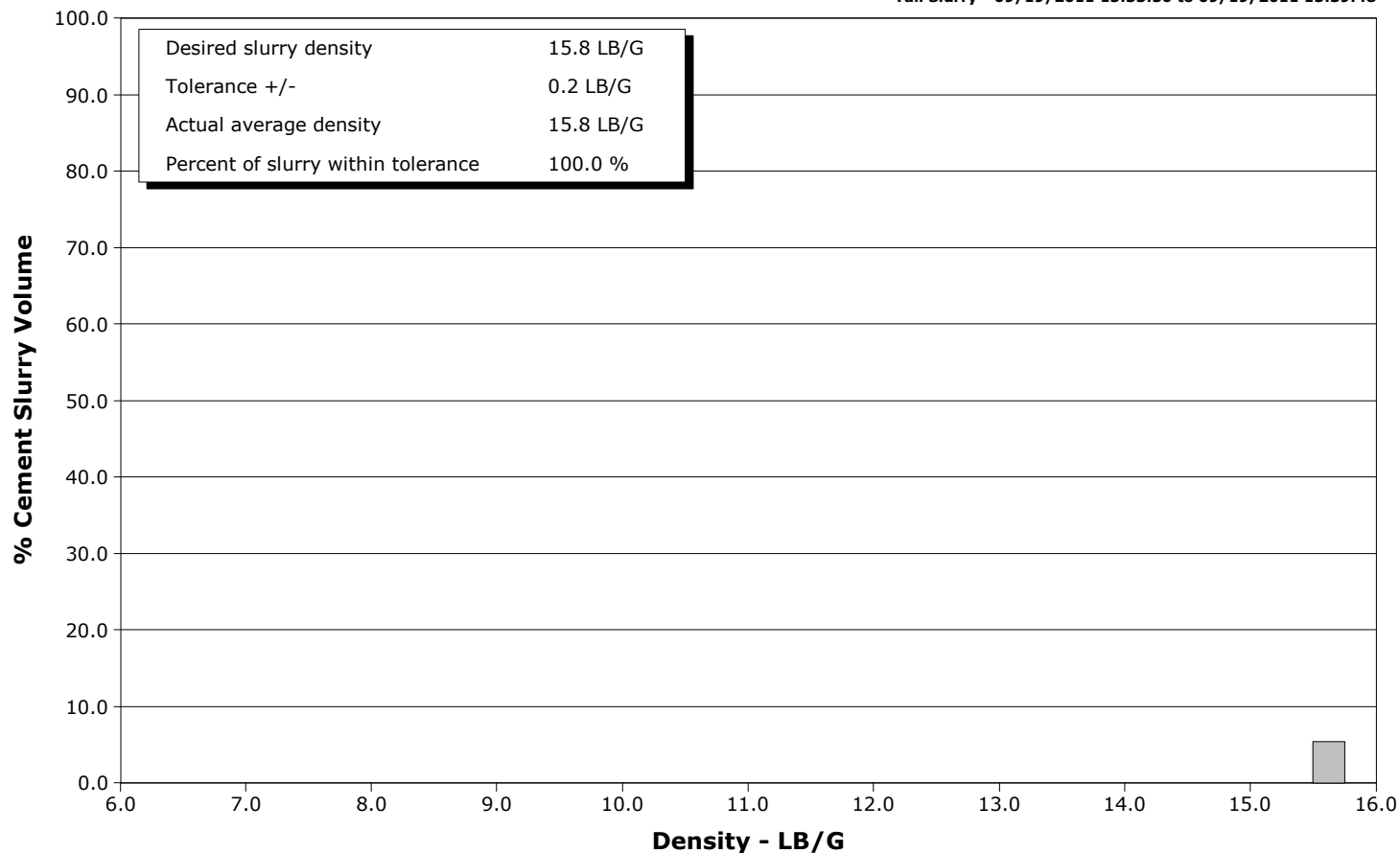
Well Federal 19-16BB PA
Field Parachute
Engineer Matt Fair / Overstreet
Country United States

Client Encana
SIR No. BUNM-00189
Job Type 9 5/8 Surface
Job Date 09-19-2011

Lead Slurry - 09/19/2011 15:12:29 to 09/19/2011 15:29:44



Tail Slurry - 09/19/2011 15:33:50 to 09/19/2011 15:39:48



				Customer Encana			Job Number BUNM-00189				
Well Federal 19-16BB PA			Location (legal)			Schlumberger Location			Job Start Sep/19/2011		
Field Parachute		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1127.0 ft		Well TVD 1127.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 90 degF		BHCT 81 degF		Pore Press. Gradient lb/gal	
Well Master 0631289092		API/UWI									
Rig Name Nabors M13		Drilled For Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		40.0		16.0		65.0	
						1127.0		9.6		36.0	
Drilling Fluid Type Bentonite		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
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, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
						ft		ft			
						ft		ft		Diameter in	
						ft		ft			
						Treat Down Casing		Displacement 84.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 88.0 bbl		Annular Vol. 66.0 bbl	
										Openhole Vol. 156.0 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 558 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1127.0 ft				Tool Type	
No. Centralizers 13		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 Sep/19/2011 08:00		Arrived on Location Sep/19/2011 08:00		Leave Location Sep/19/2011 16:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1081.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
09/19/2011	14:56:31	8.40	3	0.0	Started Acquisition						
09/19/2011	14:56:35	8.40	3	0.0	Start Job						
09/19/2011	14:58:11	8.40	0	0.0							
09/19/2011	14:59:51	8.40	49	2.4							
09/19/2011	15:00:41	8.40	11	0.0	Pressure Test Lines						
09/19/2011	15:01:31	8.40	476	0.0							
09/19/2011	15:03:03	8.40	3032	0.0	Pressure Test Lines						
09/19/2011	15:03:04	8.40	3027	0.0	High PSI test good						
09/19/2011	15:03:11	8.40	2999	0.0							
09/19/2011	15:04:51	8.40	2805	0.0							
09/19/2011	15:06:31	8.40	11	0.0							
09/19/2011	15:06:37	8.40	14	1.2	Start Pumping Spacer						
09/19/2011	15:07:53	8.41	97	3.4	20 bbl H2O						
09/19/2011	15:08:11	8.41	93	3.4							
09/19/2011	15:09:51	8.40	103	3.4							
09/19/2011	15:11:26	8.40	96	3.4	End Spacer						
09/19/2011	15:11:29	8.40	114	3.4	Start Cement Slurry						
09/19/2011	15:11:31	9.40	150	4.3	Start Mixing Scav Slurry						
09/19/2011	15:11:37	12.50	165	4.6	Bring to weight						
09/19/2011	15:12:28	12.50	241	4.6	End Scavenger Slurry						
09/19/2011	15:12:29	12.50	229	4.6	Start Mixing Lead Slurry						

Well Federal 19-16BB PA			Field Parachute		Job Start Sep/19/2011	Customer Encana	Job Number BUNM-00189
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
09/19/2011	15:13:11	12.50	239	4.6			
09/19/2011	15:13:59	12.47	182	4.6	Good returns		
09/19/2011	15:14:35	12.46	212	4.6	Took wet/dry samples		
09/19/2011	15:14:36	12.46	212	4.6	Wet sample = 12.5 on mudscale		
09/19/2011	15:14:51	12.46	198	4.6			
09/19/2011	15:16:31	12.49	218	4.6			
09/19/2011	15:18:11	12.50	223	4.6			
09/19/2011	15:19:51	12.49	203	4.6			
09/19/2011	15:21:31	12.46	196	4.6			
09/19/2011	15:23:11	12.50	216	4.6			
09/19/2011	15:24:51	12.49	177	4.6			
09/19/2011	15:26:31	12.50	210	4.6			
09/19/2011	15:28:11	12.52	183	4.6			
09/19/2011	15:29:44	12.62	4	1.4	End Lead Slurry		
09/19/2011	15:29:51	12.71	5	0.0			
09/19/2011	15:31:31	12.61	4	0.0			
09/19/2011	15:32:25	12.59	3	0.0	Start Mixing Scav Slurry		
09/19/2011	15:32:27	12.62	6	0.0	Bring to weight		
09/19/2011	15:33:11	15.69	286	4.2			
09/19/2011	15:33:49	15.77	292	4.2	End Scavenger Slurry		
09/19/2011	15:33:50	15.77	288	4.2	Start Mixing Tail Slurry		
09/19/2011	15:33:51	15.77	280	4.2	31 bbl 15.8 tail		
09/19/2011	15:34:03	15.76	286	4.2	Good returns		
09/19/2011	15:34:10	15.74	293	4.2	Took wet/dry samples		
09/19/2011	15:34:20	15.74	291	4.2	Wet sample = 15.8 on mudscale		
09/19/2011	15:34:51	15.75	286	4.2			
09/19/2011	15:36:31	15.76	282	4.2			
09/19/2011	15:38:11	15.79	281	4.2			
09/19/2011	15:39:48	15.81	15	1.2	End Tail Slurry		
09/19/2011	15:39:51	15.83	12	0.1	End Cement Slurry		
09/19/2011	15:40:00	15.83	19	0.0	Drop Top Plug		
09/19/2011	15:41:31	15.81	8	0.0			
09/19/2011	15:43:11	15.85	9	0.0			
09/19/2011	15:44:51	10.07	92	3.4			
09/19/2011	15:46:31	9.24	77	3.4			
09/19/2011	15:47:24	8.79	130	4.5	Displace 84 bbl H2O		
09/19/2011	15:47:42	8.80	128	4.6	Good returns		
09/19/2011	15:48:11	8.46	117	4.6			
09/19/2011	15:49:51	8.41	123	4.6			
09/19/2011	15:51:31	8.41	123	4.6			
09/19/2011	15:53:11	8.40	154	4.6			
09/19/2011	15:54:51	8.40	172	4.6			
09/19/2011	15:55:48	8.40	192	4.6	36 bbl cement to surface		
09/19/2011	15:56:31	8.40	228	4.6			
09/19/2011	15:58:11	8.40	254	4.6			
09/19/2011	15:59:51	8.40	291	4.1			
09/19/2011	16:01:31	8.40	332	4.1			
09/19/2011	16:03:11	8.40	313	2.3			
09/19/2011	16:04:51	8.40	310	2.3			
09/19/2011	16:05:54	8.40	916	0.0	Bump Top Plug		
09/19/2011	16:05:56	8.40	905	0.0	Bumped plug @ 900 PSI		
09/19/2011	16:06:31	8.40	898	0.0			
09/19/2011	16:08:11	8.40	900	0.0			
09/19/2011	16:09:17	8.40	14	0.0	Float held		

Well Federal 19-16BB PA			Field Parachute		Job Start Sep/19/2011		Customer Encana		Job Number BUNM-00189	
Date	Time 24-hr clock	CPF1_DENSITY LB/G		CPF1_PRESS PSI		CPF1_TTL_RATE B/M		Message		
09/19/2011	16:09:51	8.40		4		0.0				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl						
Slurry 3.1	N2		Mud	Maximum Rate 4.7	Total Slurry 115.0	Mud 0.0	Spacer 20.0		N2		
Treating Pressure Summary, psi					Breakdown Fluid						
Maximum 3134	Final 4	Average 314	Bump Plug to 800	Breakdown	Type		Volume bbl		Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 115.0 bbl		Displacement 84.0 bbl	Mix Water Temp 78 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 36.0 bbl			
						Washed Thru Perfs <input type="checkbox"/>		To ft			
Customer or Authorized Representative Vlad Kochetov			Schlumberger Supervisor Matt Fair / Overstreet			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>			
						-		-			



Service Quality Evaluation

Client:	Encana
Field:	Parachute
Rig:	Nabors M13
Well:	Federal 19-16BB PA
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Sep/19/2011
Operating Time (hh:mm):	00:00
Client Rep:	Vlad Kochetov
Schlumberger Engineer:	Matt Fair / Overstreet
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: