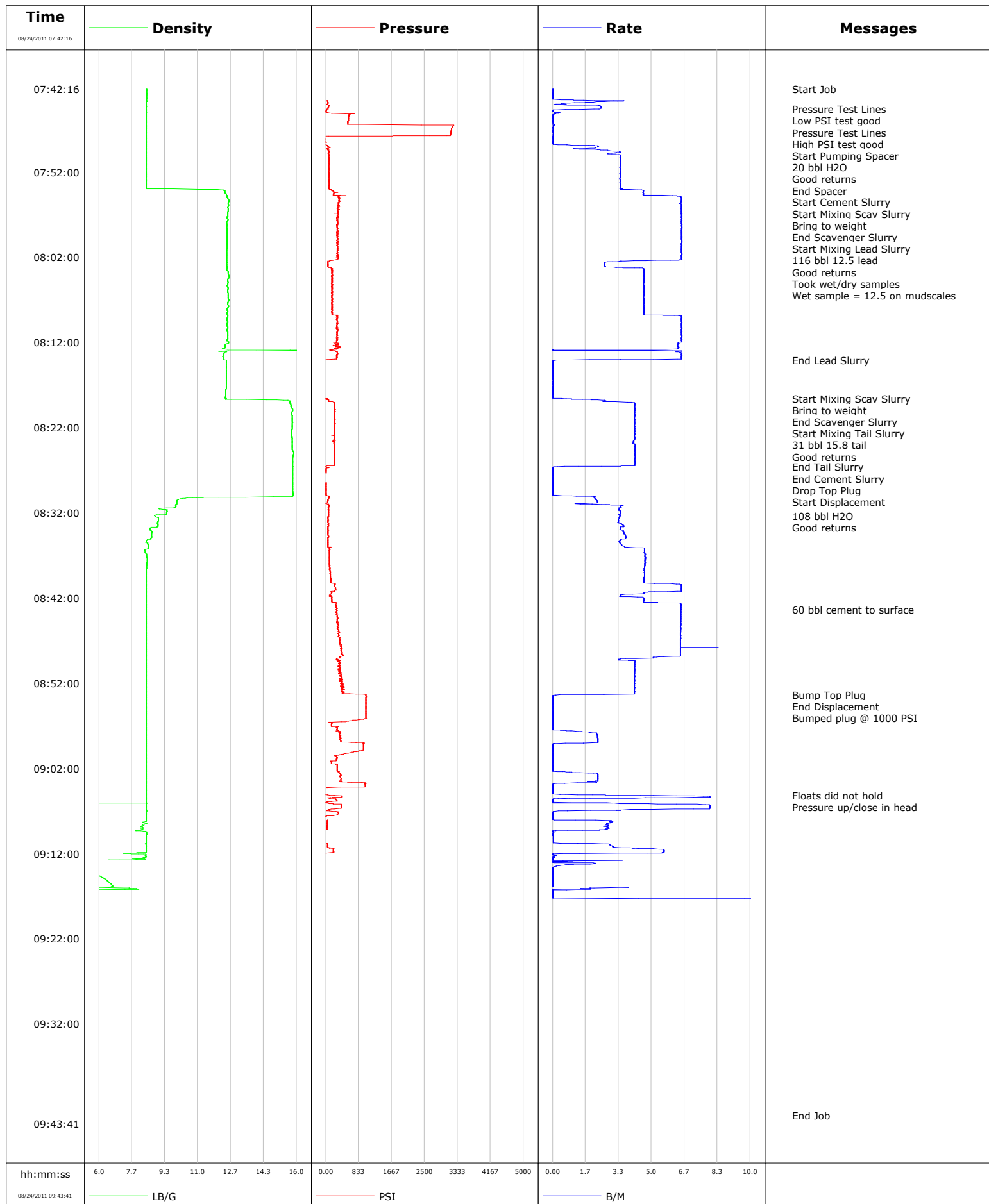


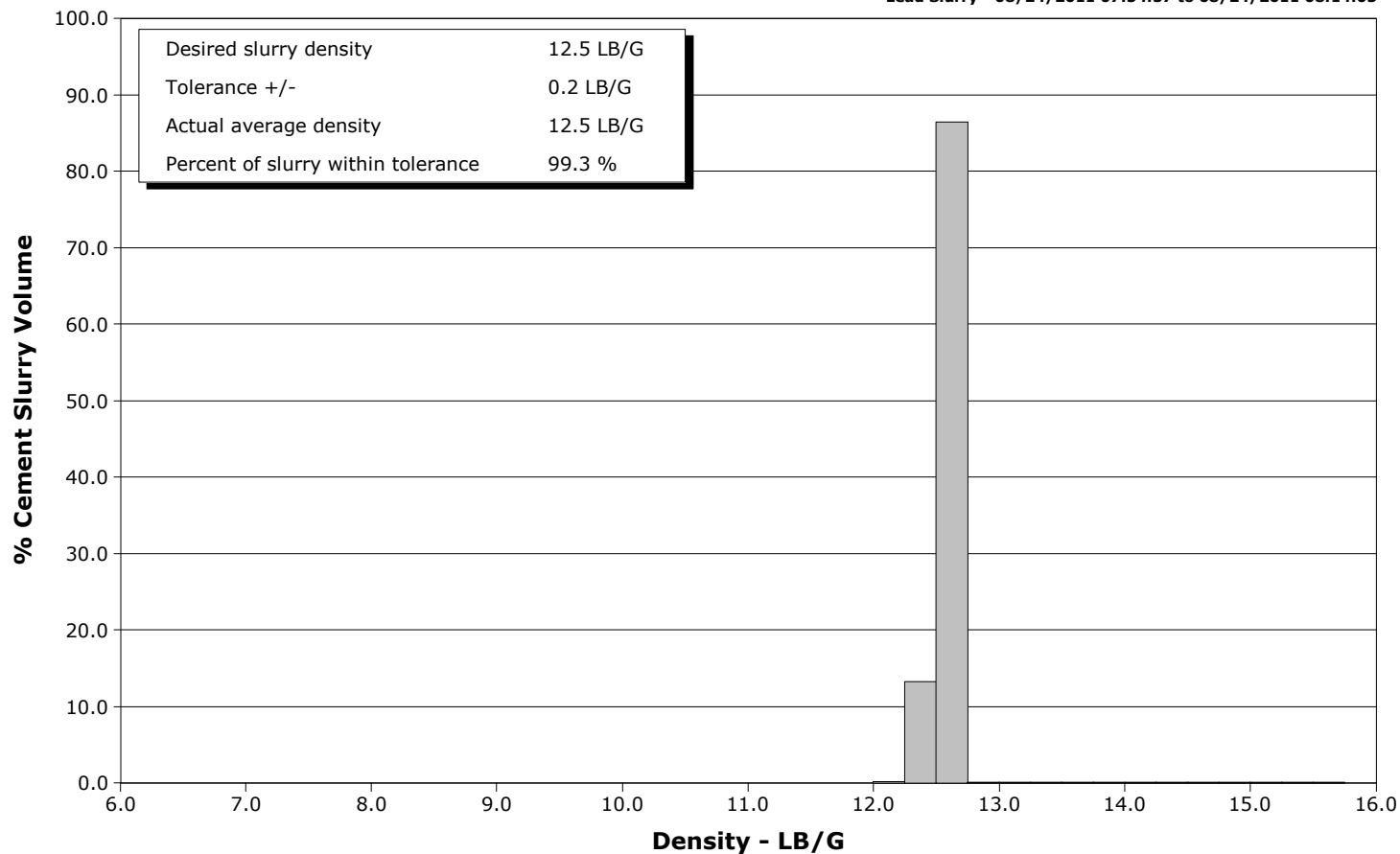
<b>Well</b>	Federal 11-7C	<b>Client</b>	Encana
<b>Field</b>	Rulison	<b>SIR No.</b>	BUNM-00072
<b>Engineer</b>	Matt Fair	<b>Job Type</b>	9 5/8" Surface
<b>Country</b>	United States	<b>Job Date</b>	08-23-2011



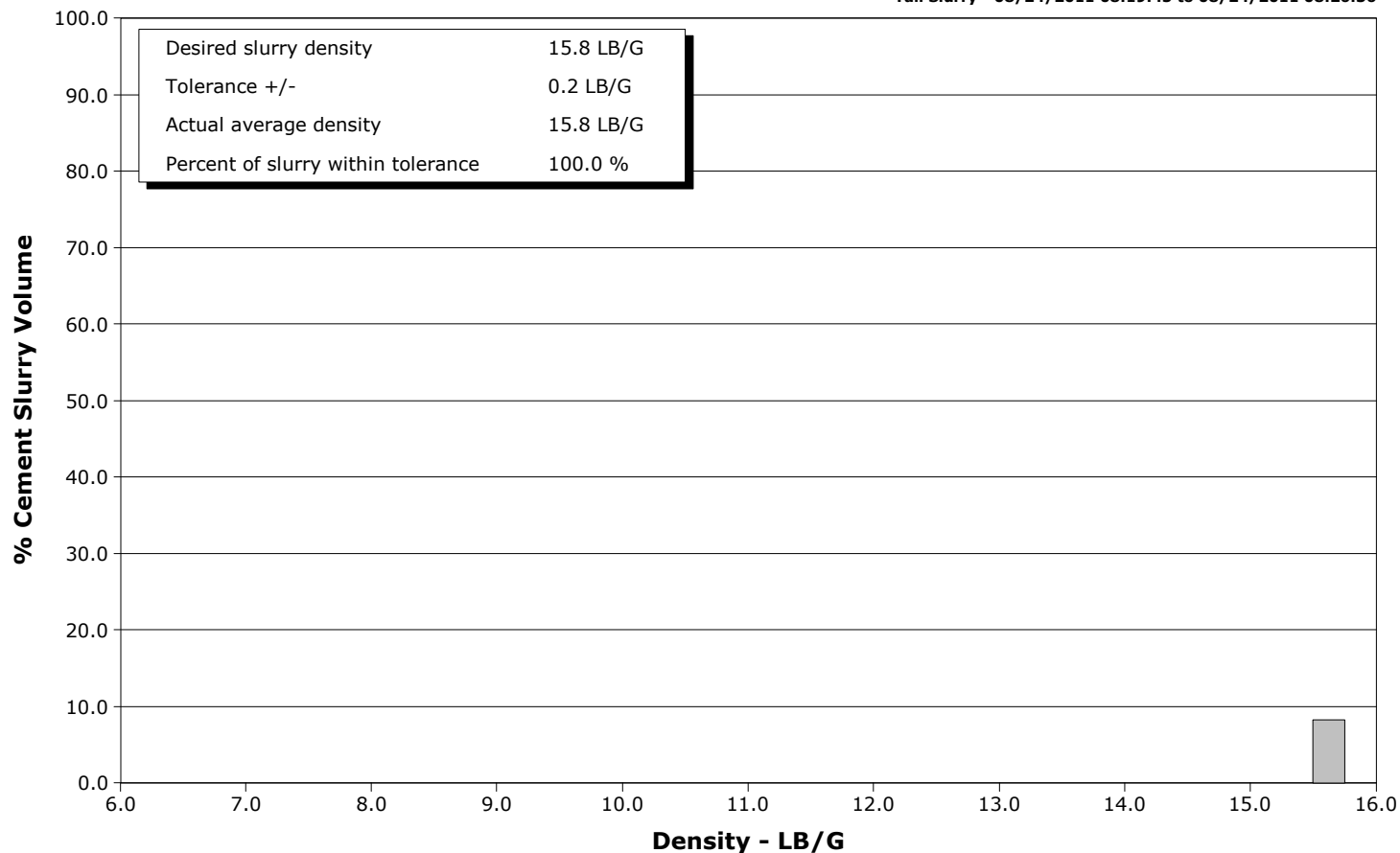
**Well** Federal 11-7C  
**Field** Rulison  
**Engineer** Matt Fair  
**Country** United States

**Client** Encana  
**SIR No.** BUNM-00072  
**Job Type** 9 5/8" Surface  
**Job Date** 08-23-2011

**Lead Slurry - 08/24/2011 07:54:57 to 08/24/2011 08:14:05**



**Tail Slurry - 08/24/2011 08:19:45 to 08/24/2011 08:26:36**



				Customer Encana			Job Number BUNM-00072				
Well Federal 11-7C			Location (legal)			Schlumberger Location			Job Start Aug/23/2011		
Field Rulison		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1447.0 ft		Well TVD 1447.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 95 degF		BHCT 83 degF		Pore Press. Gradient lb/gal	
Well Master 0631304246		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		40.0		16.0		65.0	
						1447.0		9.6		36.0	
										K55	
										8RD	
Drilling Fluid Type Bentonite		Max. Density 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									
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 108.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 112.0 bbl		Annular Vol. 84.0 bbl	
										Openhole Vol. 199.0 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 716 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1447.0 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 Aug/23/2011 03:00		Arrived on Location Aug/23/2011 03:00		Leave Location Aug/23/2011 11:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1402.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
08/24/2011	07:42:16	8.40	-11	0.0	Started Acquisition						
08/24/2011	07:42:18	8.40	-10	0.0	Start Job						
08/24/2011	07:43:56	8.40	55	0.6							
08/24/2011	07:44:37	8.40	54	2.4	Pressure Test Lines						
08/24/2011	07:44:38	8.40	53	2.3	Low PSI test good						
08/24/2011	07:45:36	8.40	572	0.0							
08/24/2011	07:45:40	8.40	570	0.0	Pressure Test Lines						
08/24/2011	07:45:41	8.40	570	0.0	High PSI test good						
08/24/2011	07:47:16	8.40	3169	0.0							
08/24/2011	07:48:55	8.40	46	2.1	Start Pumping Spacer						
08/24/2011	07:48:56	8.40	44	2.1							
08/24/2011	07:48:58	8.40	48	2.3	20 bbl H2O						
08/24/2011	07:49:57	8.40	86	3.2	Good returns						
08/24/2011	07:50:36	8.40	85	3.4							
08/24/2011	07:52:16	8.40	92	3.4							
08/24/2011	07:53:53	8.39	90	3.4	End Spacer						
08/24/2011	07:53:56	8.39	94	3.4							
08/24/2011	07:53:58	8.39	83	3.4	Start Cement Slurry						
08/24/2011	07:53:59	8.40	84	3.4	Start Mixing Scav Slurry						
08/24/2011	07:54:00	8.40	94	3.4	Bring to weight						
08/24/2011	07:54:56	12.48	317	6.5	End Scavenger Slurry						

Well Federal 11-7C			Field Rulison		Job Start Aug/23/2011	Customer Encana	Job Number BUNM-00072
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
08/24/2011	07:54:58	12.48	338	6.5	116 bbl 12.5 lead		
08/24/2011	07:55:36	12.56	315	6.5			
08/24/2011	07:55:43	12.53	315	6.4	Took wet/dry samples		
08/24/2011	07:57:16	12.50	306	6.5			
08/24/2011	07:58:56	12.48	290	6.5			
08/24/2011	08:00:36	12.48	300	6.5			
08/24/2011	08:02:16	12.46	290	6.5			
08/24/2011	08:03:56	12.53	155	4.6			
08/24/2011	08:05:36	12.52	150	4.6			
08/24/2011	08:07:16	12.53	167	4.6			
08/24/2011	08:08:56	12.51	296	6.5			
08/24/2011	08:10:36	12.48	299	6.5			
08/24/2011	08:12:16	12.41	270	6.3			
08/24/2011	08:13:56	12.29	264	6.5			
08/24/2011	08:14:05	12.41	-5	1.0	End Lead Slurry		
08/24/2011	08:15:36	12.43	-6	0.0			
08/24/2011	08:17:16	12.43	-4	0.0			
08/24/2011	08:18:36	12.42	1	0.4	Start Mixing Scav Slurry		
08/24/2011	08:18:37	12.42	2	0.4	Bring to weight		
08/24/2011	08:18:56	15.67	68	2.6			
08/24/2011	08:19:44	15.74	215	4.2	End Scavenger Slurry		
08/24/2011	08:19:45	15.75	215	4.1	Start Mixing Tail Slurry		
08/24/2011	08:19:47	15.77	237	4.2	31 bbl 15.8 tail		
08/24/2011	08:19:49	15.79	219	4.2	Good returns		
08/24/2011	08:20:36	15.77	221	4.2			
08/24/2011	08:22:16	15.75	233	4.2			
08/24/2011	08:23:56	15.76	226	4.2			
08/24/2011	08:25:36	15.80	222	4.2			
08/24/2011	08:26:36	15.80	3	0.2	End Tail Slurry		
08/24/2011	08:26:39	15.80	1	0.0	End Cement Slurry		
08/24/2011	08:26:45	15.80	94	0.0	Drop Top Plug		
08/24/2011	08:27:16	15.79	3	0.0			
08/24/2011	08:28:56	15.80	1	0.0			
08/24/2011	08:30:14	11.29	82	2.1	Start Displacement		
08/24/2011	08:30:36	9.94	51	2.2			
08/24/2011	08:32:16	8.93	64	3.4			
08/24/2011	08:32:22	8.81	67	3.4	108 bbl H2O		
08/24/2011	08:32:33	8.95	61	3.4	Good returns		
08/24/2011	08:33:56	8.58	55	3.4			
08/24/2011	08:35:36	8.46	54	3.4			
08/24/2011	08:37:16	8.43	94	4.7			
08/24/2011	08:38:56	8.39	112	4.6			
08/24/2011	08:40:36	8.39	222	6.5			
08/24/2011	08:42:16	8.39	154	4.6			
08/24/2011	08:43:21	8.39	258	6.5	60 bbl cement to surface		
08/24/2011	08:43:56	8.39	268	6.5			
08/24/2011	08:45:36	8.39	288	6.5			
08/24/2011	08:47:16	8.39	357	6.5			
08/24/2011	08:48:56	8.39	373	5.4			
08/24/2011	08:50:36	8.39	390	4.1			
08/24/2011	08:52:16	8.39	410	4.2			
08/24/2011	08:53:23	8.39	1021	0.4	Bump Top Plug		
08/24/2011	08:53:24	8.39	1009	0.1	End Displacement		
08/24/2011	08:53:25	8.39	1013	0.1	Bumped plug @ 1000 PSI		

Well			Field	Job Start	Customer	Job Number
Federal 11-7C			Rulison	Aug/23/2011	Encana	BUNM-00072
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
08/24/2011	08:55:36	8.39	1016	0.0		
08/24/2011	08:57:16	8.39	284	0.0		
08/24/2011	08:58:56	8.39	458	2.3		
08/24/2011	09:00:36	8.39	274	0.0		
08/24/2011	09:02:16	8.40	288	0.0		
08/24/2011	09:03:56	8.39	998	0.0		
08/24/2011	09:05:12	8.39	197	4.4	Floats did not hold	
08/24/2011	09:05:32	8.39	94	1.9	Pressure up/close in head	
08/24/2011	09:05:36	8.39	256	0.1		
08/24/2011	09:07:16	8.40	324	0.0		
08/24/2011	09:08:56	8.19	35	2.8		
08/24/2011	09:10:36	8.40	-7	0.0		
08/24/2011	09:12:16	8.37	-4	0.1		
08/24/2011	09:13:56	4.85	-7	0.0		
08/24/2011	09:15:36	6.62	-7	0.0		
08/24/2011	09:17:16	0.00	-4	0.0		
08/24/2011	09:18:56	0.00	-2	25.0		
08/24/2011	09:20:36	0.00	-1	25.0		
08/24/2011	09:22:16	0.00	-2	25.0		
08/24/2011	09:23:56	0.00	-2	25.0		
08/24/2011	09:25:36	0.00	-2	25.0		
08/24/2011	09:27:16	0.00	-2	25.0		
08/24/2011	09:28:56	0.00	-3	25.0		
08/24/2011	09:30:36	0.00	-4	25.0		
08/24/2011	09:32:16	0.00	-3	25.0		
08/24/2011	09:33:56	0.00	-3	25.0		
08/24/2011	09:35:36	0.00	-4	25.0		
08/24/2011	09:37:16	0.00	-4	25.0		
08/24/2011	09:38:56	0.00	-4	25.0		
08/24/2011	09:40:36	0.00	-4	25.0		
08/24/2011	09:42:16	0.00	-5	25.0		

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 8.5	N2	Mud	Maximum Rate 25.0	Total Slurry 147.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3237	Final -4	Average 308	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 147.0 bbl		Displacement 107.3 bbl	Mix Water Temp 73 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 60.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Craig Mooney			Schlumberger Supervisor Matt Fair			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



# Service Quality Evaluation

Client:	Encana
Field:	Rulison
Rig:	Nabors M11
Well:	Federal 11-7C
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Aug/23/2011
Operating Time (hh:mm):	00:00
Client Rep:	Craig Mooney
Schlumberger Engineer:	Matt Fair
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: