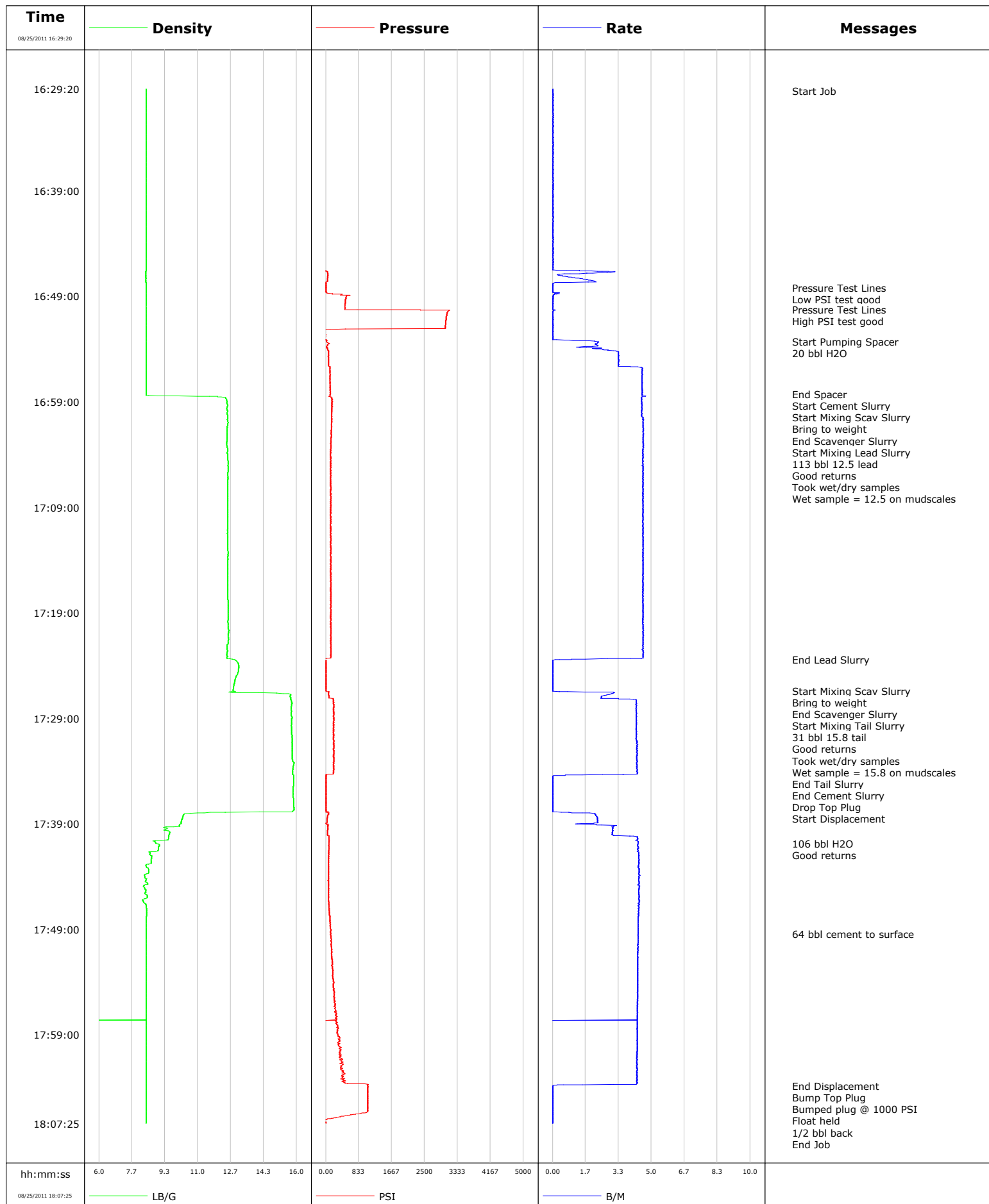


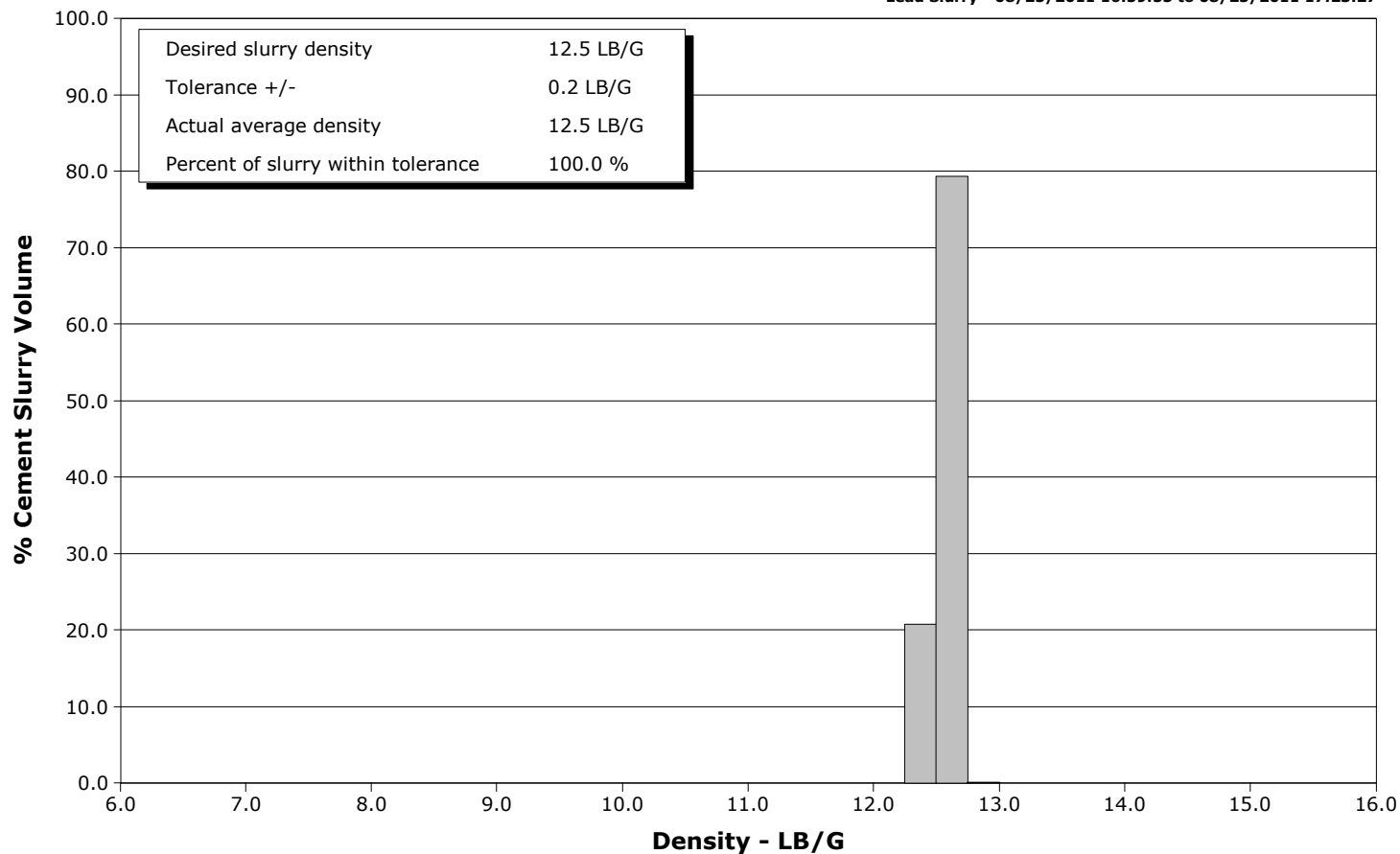
<b>Well</b>	Federal Savage 11-3B	<b>Client</b>	Encana
<b>Field</b>	Rulison	<b>SIR No.</b>	BUNM-00073
<b>Engineer</b>	Matt Fair/Jordan Moreland	<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	08-25-2011



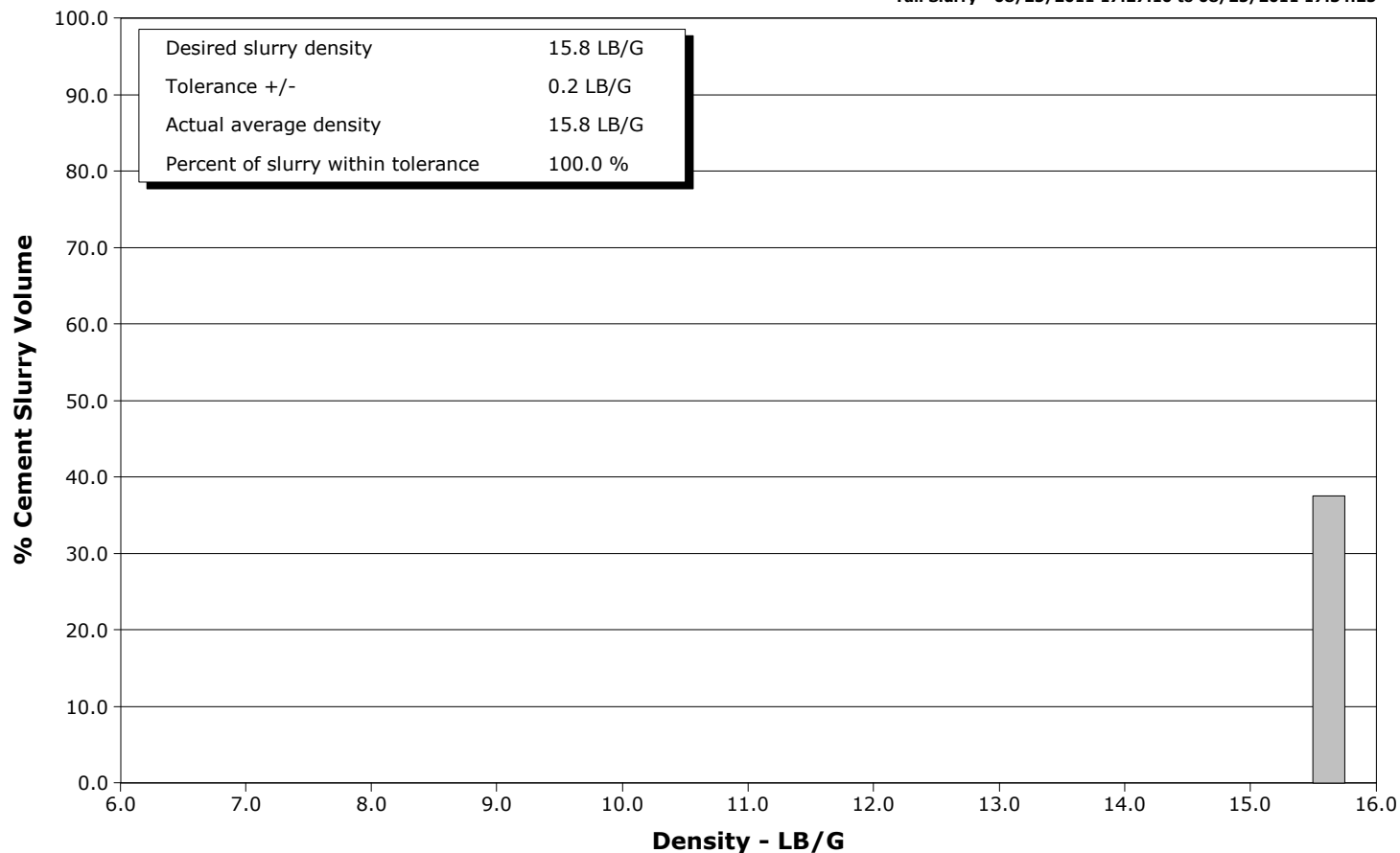
**Well** Federal Savage 11-3B  
**Field** Rulison  
**Engineer** Matt Fair/Jordan Moreland  
**Country** United States

**Client** Encana  
**SIR No.** BUNM-00073  
**Job Type** 9 5/8 Surface  
**Job Date** 08-25-2011

**Lead Slurry - 08/25/2011 16:59:55 to 08/25/2011 17:23:27**



**Tail Slurry - 08/25/2011 17:27:10 to 08/25/2011 17:34:25**



				Customer Encana			Job Number BUNM-00073				
Well Federal Savage 11-3B			Location (legal)			Schlumberger Location			Job Start Aug/25/2011		
Field Rulison		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1421.0 ft		Well TVD 1421.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 95 degF		BHCT 83 degF		Pore Press. Gradient lb/gal	
Well Master 0631304247		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	
						1421.0		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 106.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 110.0 bbl		Annular Vol. 82.0 bbl	
										Openhole Vol. 196.0 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 703 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1421.0 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/25/2011 11:00		Arrived on Location Aug/25/2011 11:00		Leave Location Aug/25/2011 19:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1376.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
08/25/2011	16:29:20	8.38	-4	0.0	Started Acquisition						
08/25/2011	16:29:32	8.38	-3	0.0	Start Job						
08/25/2011	16:31:00	8.38	-4	0.0							
08/25/2011	16:32:40	8.38	-5	0.0							
08/25/2011	16:34:20	8.38	-4	0.0							
08/25/2011	16:36:00	8.38	-5	0.0							
08/25/2011	16:37:40	8.38	-5	0.0							
08/25/2011	16:39:20	8.38	-5	0.0							
08/25/2011	16:41:00	8.38	-8	0.0							
08/25/2011	16:42:40	8.38	-9	0.0							
08/25/2011	16:44:20	8.38	-10	0.0							
08/25/2011	16:46:00	8.38	-9	0.0							
08/25/2011	16:47:40	8.38	22	1.8							
08/25/2011	16:48:13	8.39	7	0.0	Pressure Test Lines						
08/25/2011	16:48:14	8.39	6	0.0	Low PSI test good						
08/25/2011	16:49:20	8.39	500	0.0							
08/25/2011	16:50:15	8.39	479	0.0	Pressure Test Lines						
08/25/2011	16:50:16	8.39	799	0.0	High PSI test good						
08/25/2011	16:51:00	8.39	3048	0.0							
08/25/2011	16:52:40	8.39	-4	0.0							
08/25/2011	16:53:18	8.38	24	2.3	Start Pumping Spacer						

Well Federal Savage 11-3B			Field Rulison	Job Start Aug/25/2011	Customer Encana	Job Number BUNM-00073
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
08/25/2011	16:54:20	8.39	70	3.3		
08/25/2011	16:56:00	8.38	104	4.5		
08/25/2011	16:57:40	8.39	113	4.5		
08/25/2011	16:58:17	8.39	116	4.5	End Spacer	
08/25/2011	16:58:18	8.39	110	4.6	Start Cement Slurry	
08/25/2011	16:58:20	8.39	116	4.5	Start Mixing Scav Slurry	
08/25/2011	16:58:21	8.39	109	4.5	Bring to weight	
08/25/2011	16:59:20	12.50	152	4.5		
08/25/2011	16:59:54	12.50	153	4.5	End Scavenger Slurry	
08/25/2011	16:59:55	12.50	154	4.5	Start Mixing Lead Slurry	
08/25/2011	16:59:56	12.50	151	4.5	113 bbl 12.5 lead	
08/25/2011	17:01:00	12.52	150	4.6		
08/25/2011	17:02:15	12.49	135	4.6	Took wet/dry samples	
08/25/2011	17:02:40	12.48	128	4.6		
08/25/2011	17:04:20	12.51	123	4.6		
08/25/2011	17:06:00	12.52	126	4.6		
08/25/2011	17:07:40	12.50	124	4.6		
08/25/2011	17:09:20	12.50	126	4.6		
08/25/2011	17:11:00	12.50	129	4.6		
08/25/2011	17:12:40	12.50	125	4.6		
08/25/2011	17:14:20	12.52	127	4.6		
08/25/2011	17:16:00	12.50	129	4.6		
08/25/2011	17:17:40	12.51	123	4.6		
08/25/2011	17:19:20	12.53	126	4.6		
08/25/2011	17:21:00	12.54	128	4.6		
08/25/2011	17:22:40	12.50	132	4.6		
08/25/2011	17:23:27	12.88	-1	0.4	End Lead Slurry	
08/25/2011	17:24:20	13.06	3	0.0		
08/25/2011	17:26:00	12.81	4	0.0		
08/25/2011	17:26:25	12.79	11	0.0	Start Mixing Scav Slurry	
08/25/2011	17:26:26	12.81	11	0.0	Bring to weight	
08/25/2011	17:27:10	15.70	194	3.3	End Scavenger Slurry	
08/25/2011	17:27:12	15.70	191	4.1	31 bbl 15.8 tail	
08/25/2011	17:27:40	15.75	200	4.2		
08/25/2011	17:29:20	15.75	195	4.2		
08/25/2011	17:31:00	15.76	197	4.2		
08/25/2011	17:31:27	15.76	196	4.3	Took wet/dry samples	
08/25/2011	17:32:40	15.77	205	4.3		
08/25/2011	17:34:20	15.78	17	3.6		
08/25/2011	17:34:25	15.85	7	0.6	End Tail Slurry	
08/25/2011	17:34:26	15.85	7	0.2	End Cement Slurry	
08/25/2011	17:34:31	15.85	4	0.0	Drop Top Plug	
08/25/2011	17:36:00	15.82	7	0.0		
08/25/2011	17:37:40	15.87	11	0.0		
08/25/2011	17:38:10	10.27	66	2.2	Start Displacement	
08/25/2011	17:39:20	9.39	52	3.0		
08/25/2011	17:40:53	8.94	79	4.3	106 bbl H2O	
08/25/2011	17:40:55	8.99	75	4.3	Good returns	
08/25/2011	17:41:00	9.05	77	4.3		
08/25/2011	17:42:40	8.64	70	4.4		
08/25/2011	17:44:20	8.38	68	4.4		
08/25/2011	17:46:00	8.43	72	4.4		
08/25/2011	17:47:40	8.40	97	4.3		
08/25/2011	17:49:20	8.39	122	4.3		

Well			Field		Job Start	Customer		Job Number
Federal Savage 11-3B			Rulison		Aug/25/2011	Encana		BUNM-00073
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message			
08/25/2011	17:51:00	8.40	144	4.3				
08/25/2011	17:52:40	8.40	161	4.3				
08/25/2011	17:54:20	8.40	193	4.3				
08/25/2011	17:56:00	8.40	229	4.3				
08/25/2011	17:57:40	8.40	260	4.3				
08/25/2011	17:59:20	8.40	355	4.3				
08/25/2011	18:01:00	8.40	363	4.3				
08/25/2011	18:02:40	8.40	467	4.3				
08/25/2011	18:03:51	8.40	1065	0.0	End Displacement			
08/25/2011	18:03:52	8.40	1065	0.0	Bump Top Plug			
08/25/2011	18:03:54	8.40	1062	0.0	Bumped plug @ 1000 PSI			
08/25/2011	18:04:20	8.40	1060	0.0				
08/25/2011	18:06:00	8.40	1059	0.0				
08/25/2011	18:07:09	8.40	-0	0.0	Float held			
08/25/2011	18:07:16	8.40	-1	0.0	1/2 bbl back			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.0	N2	Mud	Maximum Rate 4.7		Total Slurry 145.0	Mud 0.0	Spacer 21.2	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3145	Final 0	Average 243	Bump Plug to 1000	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 144.0 bbl	Displacement 105.3 bbl	Mix Water Temp 79 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 64.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Les Fuglevand			Schlumberger Supervisor Matt Fair/Jordan Moreland			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



# Service Quality Evaluation

Client:	Encana
Field:	Rulison
Rig:	Nabors M11
Well:	Federal Savage 11-3B
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Aug/25/2011
Operating Time (hh:mm):	00:00
Client Rep:	Les Fuglevand
Schlumberger Engineer:	Matt Fair/Jordan Moreland
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: