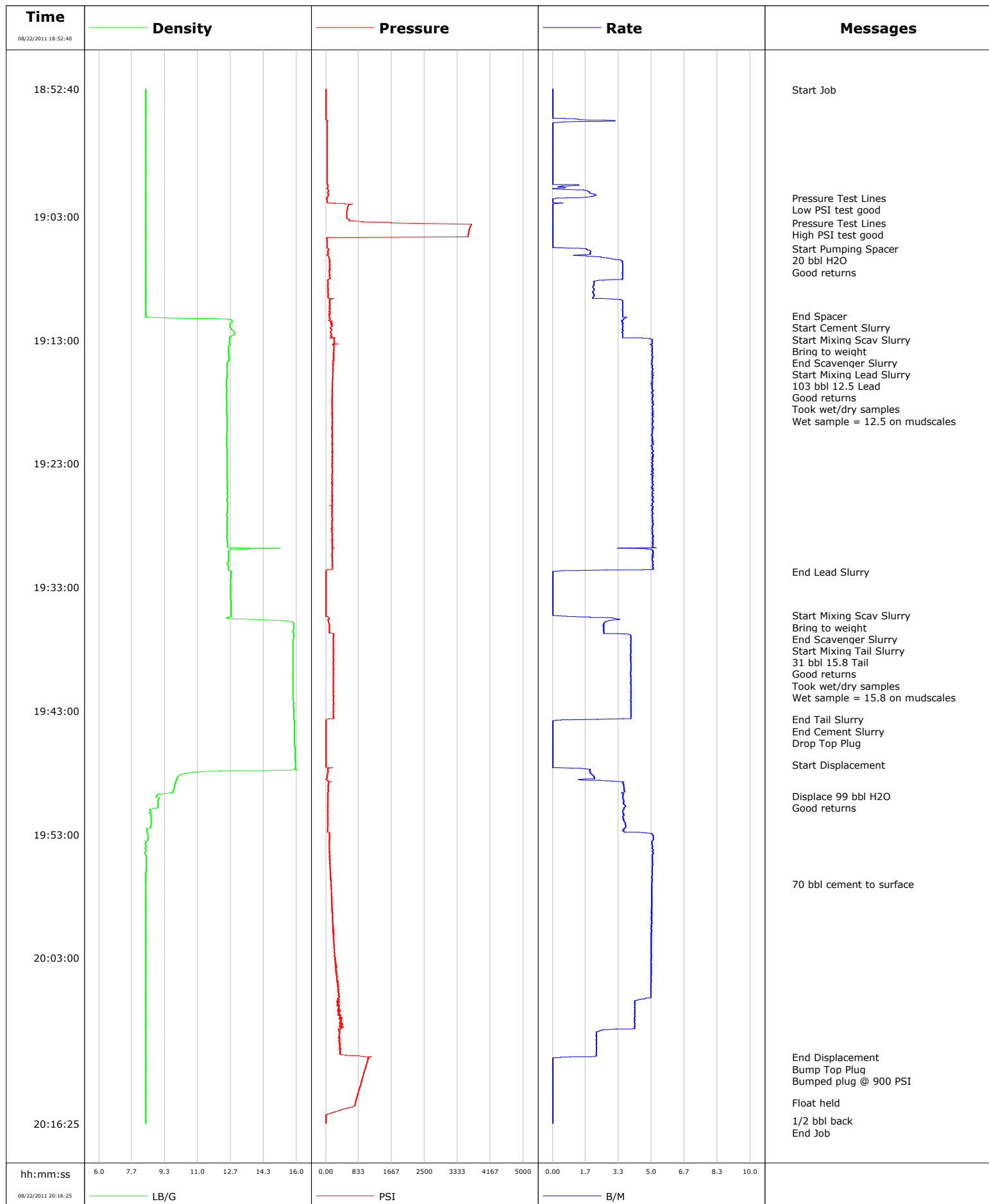


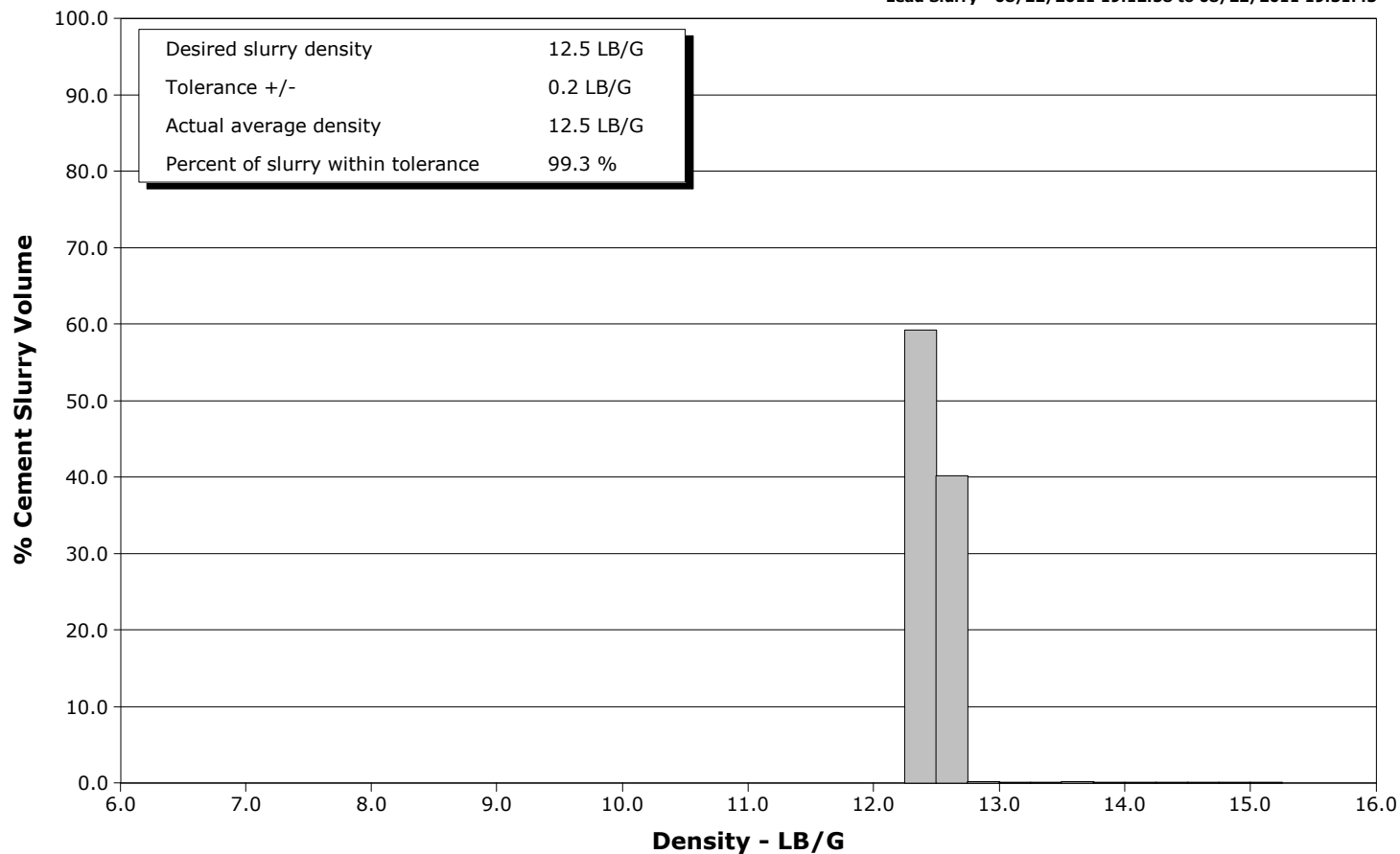
Well	Federal Savage 11-3A	Client	Encana
Field	Rulison	SIR No.	BUNM-00071
Engineer	Matt Fair	Job Type	9 5/8" Surface
Country	United States	Job Date	08-22-2011



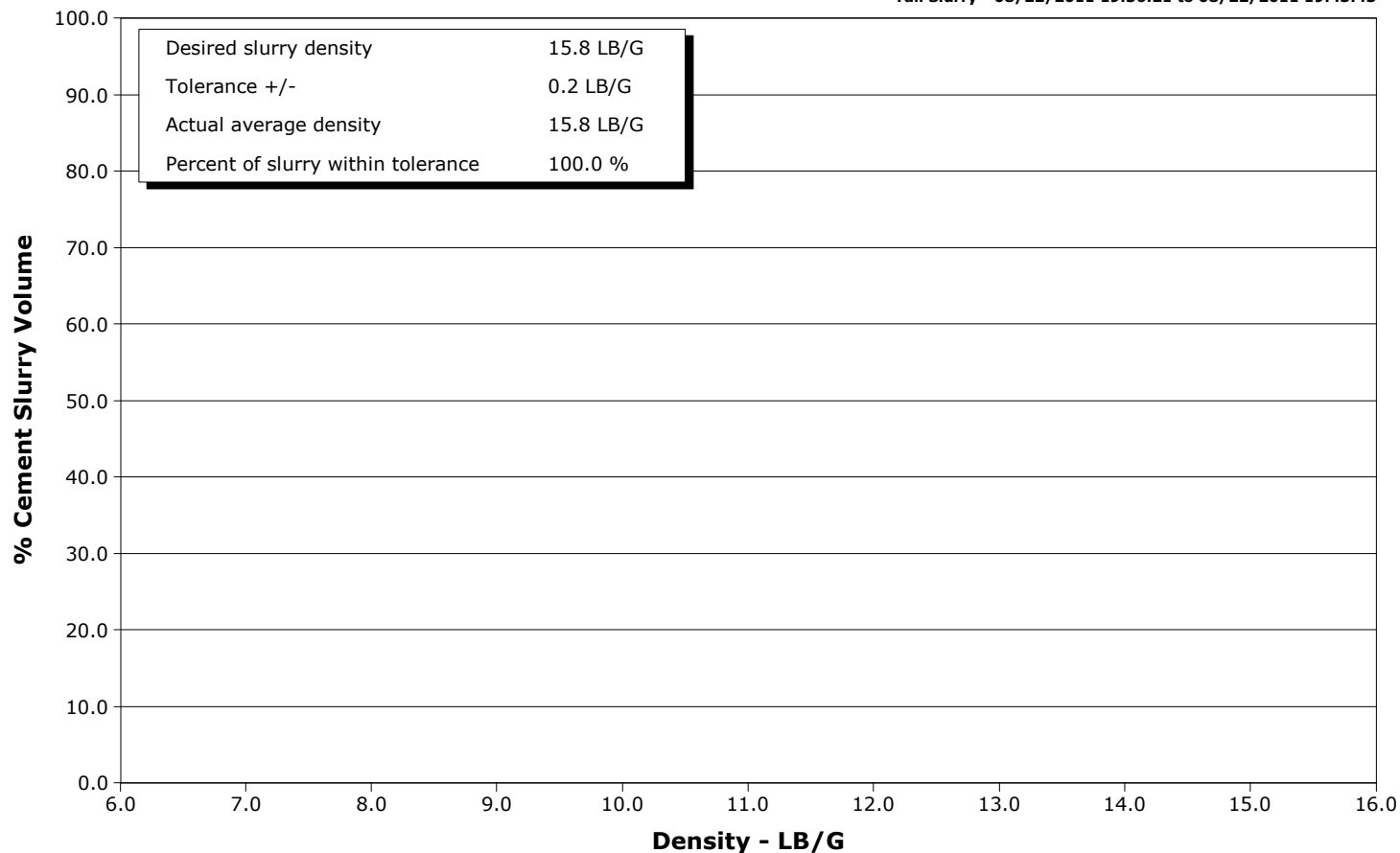
Well Federal Savage 11-3A
Field Rulison
Engineer Matt Fair
Country United States

Client Encana
SIR No. BUNM-00071
Job Type 9 5/8" Surface
Job Date 08-22-2011

Lead Slurry - 08/22/2011 19:12:58 to 08/22/2011 19:31:43



Tail Slurry - 08/22/2011 19:36:21 to 08/22/2011 19:43:43



				Customer Encana				Job Number BUNM-00071			
Well Federal Savage 11-3A			Location (legal)			Schlumberger Location			Job Start Aug/22/2011		
Field Rulison		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1320.0 ft		Well TVD 1320.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 95 degF		BHCT 83 degF		Pore Press. Gradient lb/gal	
Well Master 0631304245		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	
						1320.0		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 99.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 103.0 bbl		Annular Vol. 77.0 bbl	
										Openhole Vol. 182.0 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 653 psi						Shoe Type Float				Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 1320.0 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/22/2011 17:00		Arrived on Location Aug/22/2011 17:00		Leave Location Aug/22/2011 21:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1275.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message						
08/22/2011	18:52:40	8.36	7	0.0	Started Acquisition						
08/22/2011	18:52:44	8.36	7	0.0	Start Job						
08/22/2011	18:54:20	8.36	4	0.0							
08/22/2011	18:56:00	8.36	31	0.0							
08/22/2011	18:57:40	8.36	31	0.0							
08/22/2011	18:59:20	8.36	31	0.0							
08/22/2011	19:01:00	8.36	60	1.9							
08/22/2011	19:01:28	8.37	45	1.4	Pressure Test Lines						
08/22/2011	19:01:29	8.37	16	0.7	Low PSI test good						
08/22/2011	19:02:40	8.37	535	0.0							
08/22/2011	19:03:30	8.37	1652	0.0	Pressure Test Lines						
08/22/2011	19:03:31	8.37	1649	0.0	High PSI test good						
08/22/2011	19:04:20	8.37	3610	0.0							
08/22/2011	19:05:37	8.37	66	1.7	Start Pumping Spacer						
08/22/2011	19:05:38	8.37	86	1.7	20 bbl H2O						
08/22/2011	19:06:00	8.37	58	1.9							
08/22/2011	19:06:35	8.37	90	3.5	Good returns						
08/22/2011	19:07:40	8.37	101	3.5							
08/22/2011	19:09:20	8.37	65	2.1							
08/22/2011	19:11:00	8.37	86	3.5							
08/22/2011	19:11:03	8.37	87	3.5	End Spacer						

Well Federal Savage 11-3A			Field Rulison	Job Start Aug/22/2011	Customer Encana	Job Number BUNM-00071
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
08/22/2011	19:11:08	8.37	89	3.5	Start Mixing Scav Slurry	
08/22/2011	19:11:11	8.46	103	3.7	Bring to weight	
08/22/2011	19:12:40	12.71	128	3.5		
08/22/2011	19:12:57	12.60	219	5.0	End Scavenger Slurry	
08/22/2011	19:12:58	12.61	219	5.0	Start Mixing Lead Slurry	
08/22/2011	19:12:59	12.61	212	5.1	103 bbl 12.5 Lead	
08/22/2011	19:14:20	12.57	191	5.1		
08/22/2011	19:14:44	12.53	194	5.0	Took wet/dry samples	
08/22/2011	19:16:00	12.47	175	5.1		
08/22/2011	19:17:40	12.46	159	5.0		
08/22/2011	19:19:20	12.48	161	5.0		
08/22/2011	19:21:00	12.47	163	5.1		
08/22/2011	19:22:40	12.49	157	5.0		
08/22/2011	19:24:20	12.49	164	5.0		
08/22/2011	19:26:00	12.49	158	5.1		
08/22/2011	19:27:40	12.48	159	5.0		
08/22/2011	19:29:20	12.49	170	5.1		
08/22/2011	19:31:00	12.53	166	5.1		
08/22/2011	19:31:43	12.69	4	0.1	End Lead Slurry	
08/22/2011	19:32:40	12.65	4	0.0		
08/22/2011	19:34:20	12.67	3	0.0		
08/22/2011	19:35:19	12.71	9	0.0	Start Mixing Scav Slurry	
08/22/2011	19:35:21	12.71	7	0.7	Bring to weight	
08/22/2011	19:36:00	15.85	88	2.6		
08/22/2011	19:36:21	15.83	90	2.6	End Scavenger Slurry	
08/22/2011	19:36:23	15.83	92	2.6	31 bbl 15.8 Tail	
08/22/2011	19:37:14	15.83	196	4.0	Took wet/dry samples	
08/22/2011	19:37:40	15.83	190	4.0		
08/22/2011	19:39:20	15.81	191	4.0		
08/22/2011	19:41:00	15.81	190	3.9		
08/22/2011	19:42:40	15.83	192	3.9		
08/22/2011	19:43:43	15.85	-3	2.3	End Tail Slurry	
08/22/2011	19:43:46	15.89	1	0.5	End Cement Slurry	
08/22/2011	19:43:48	15.90	3	0.2	Drop Top Plug	
08/22/2011	19:44:20	15.90	8	0.0		
08/22/2011	19:46:00	15.91	4	0.0		
08/22/2011	19:47:22	15.93	4	0.0	Start Displacement	
08/22/2011	19:47:40	15.92	59	0.9		
08/22/2011	19:49:20	9.79	63	3.6		
08/22/2011	19:49:54	8.93	51	3.5	Displace 99 bbl H2O	
08/22/2011	19:50:11	9.02	53	3.6	Good returns	
08/22/2011	19:51:00	8.56	56	3.6		
08/22/2011	19:52:40	8.43	44	3.6		
08/22/2011	19:54:20	8.41	95	5.1		
08/22/2011	19:56:00	8.38	119	5.0		
08/22/2011	19:57:02	8.37	138	5.0	70 bbl cement to surface	
08/22/2011	19:57:40	8.37	146	5.0		
08/22/2011	19:59:20	8.38	168	5.0		
08/22/2011	20:01:00	8.38	203	5.0		
08/22/2011	20:02:40	8.38	229	5.0		
08/22/2011	20:04:20	8.38	273	5.0		
08/22/2011	20:06:00	8.38	321	5.0		
08/22/2011	20:07:40	8.38	385	4.2		
08/22/2011	20:09:20	8.38	366	2.2		

Well Federal Savage 11-3A			Field Rulison		Job Start Aug/22/2011		Customer Encana		Job Number BUNM-00071	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message					
08/22/2011	20:11:04	8.38	1085	0.4	End Displacement					
08/22/2011	20:11:06	8.38	1080	0.2	Bumped plug @ 900 PSI					
08/22/2011	20:12:40	8.38	936	0.0						
08/22/2011	20:14:20	8.38	784	0.0						
08/22/2011	20:14:45	8.38	749	0.0	Float held					
08/22/2011	20:16:00	8.38	7	0.0						
08/22/2011	20:16:12	8.38	8	0.0	1/2 bbl back					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 4.2	N2	Mud	Maximum Rate 5.2		Total Slurry 134.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3689	Final 8	Average 227	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 134.0 bbl	Displacement 99.1 bbl	Mix Water Temp 79 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 70.0 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 Savage 11-3A
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Aug/22/2011
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: