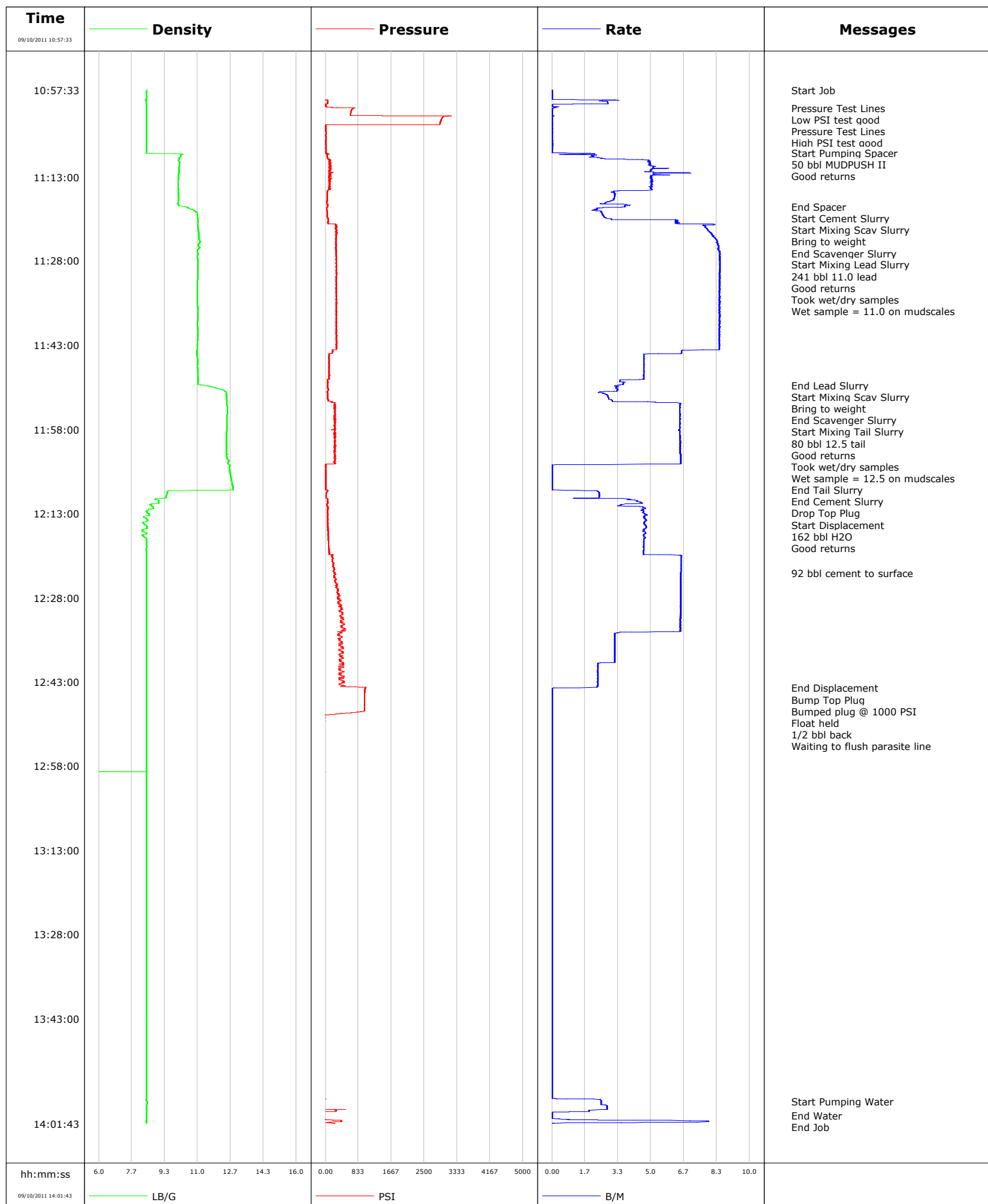


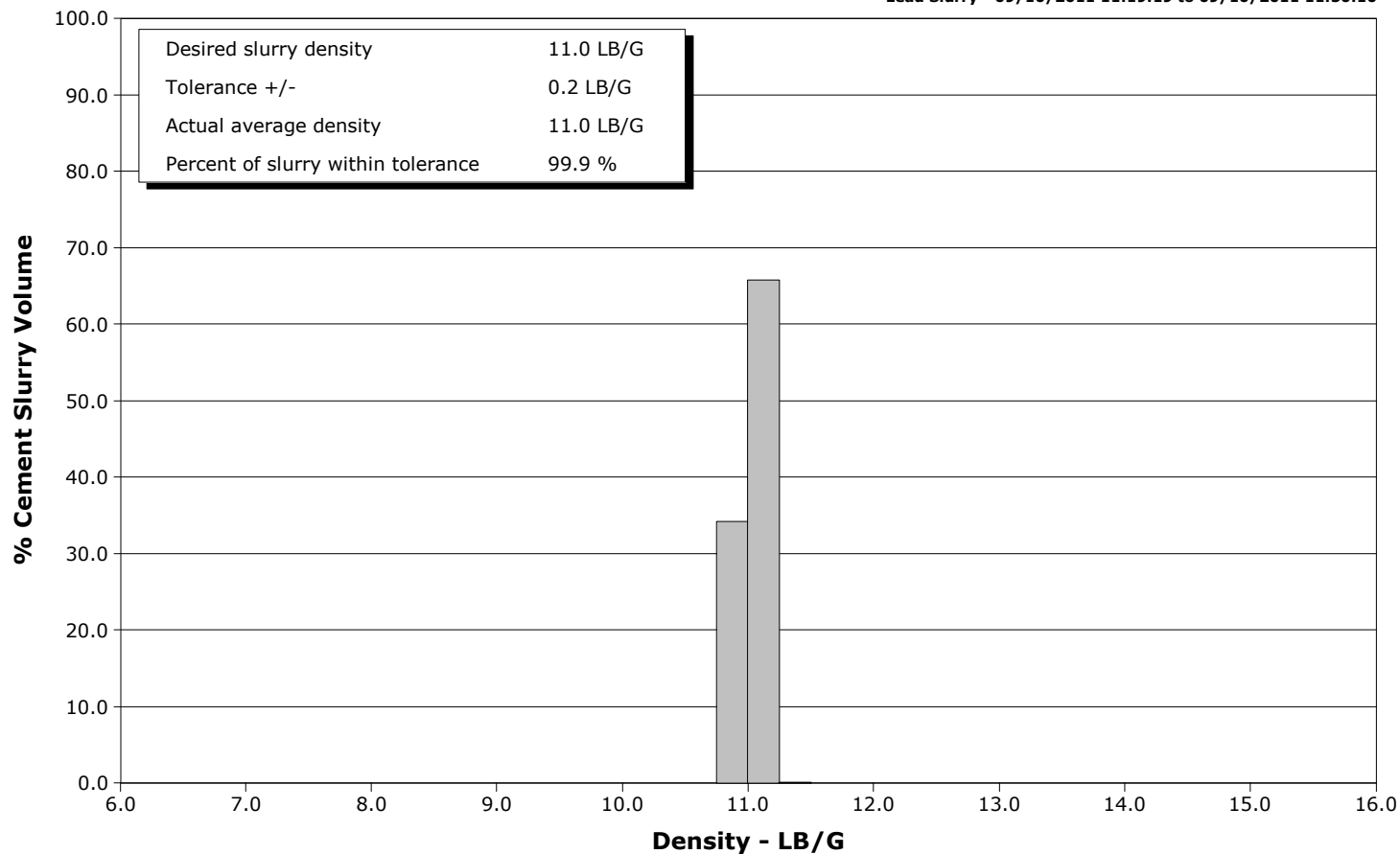
<b>Well</b>	DW 8603B-33	<b>Client</b>	Encana
<b>Field</b>	Double Willow	<b>SIR No.</b>	BUNM-00116
<b>Engineer</b>	Matt Fair/ Jordan Moreland	<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	09-10-2011



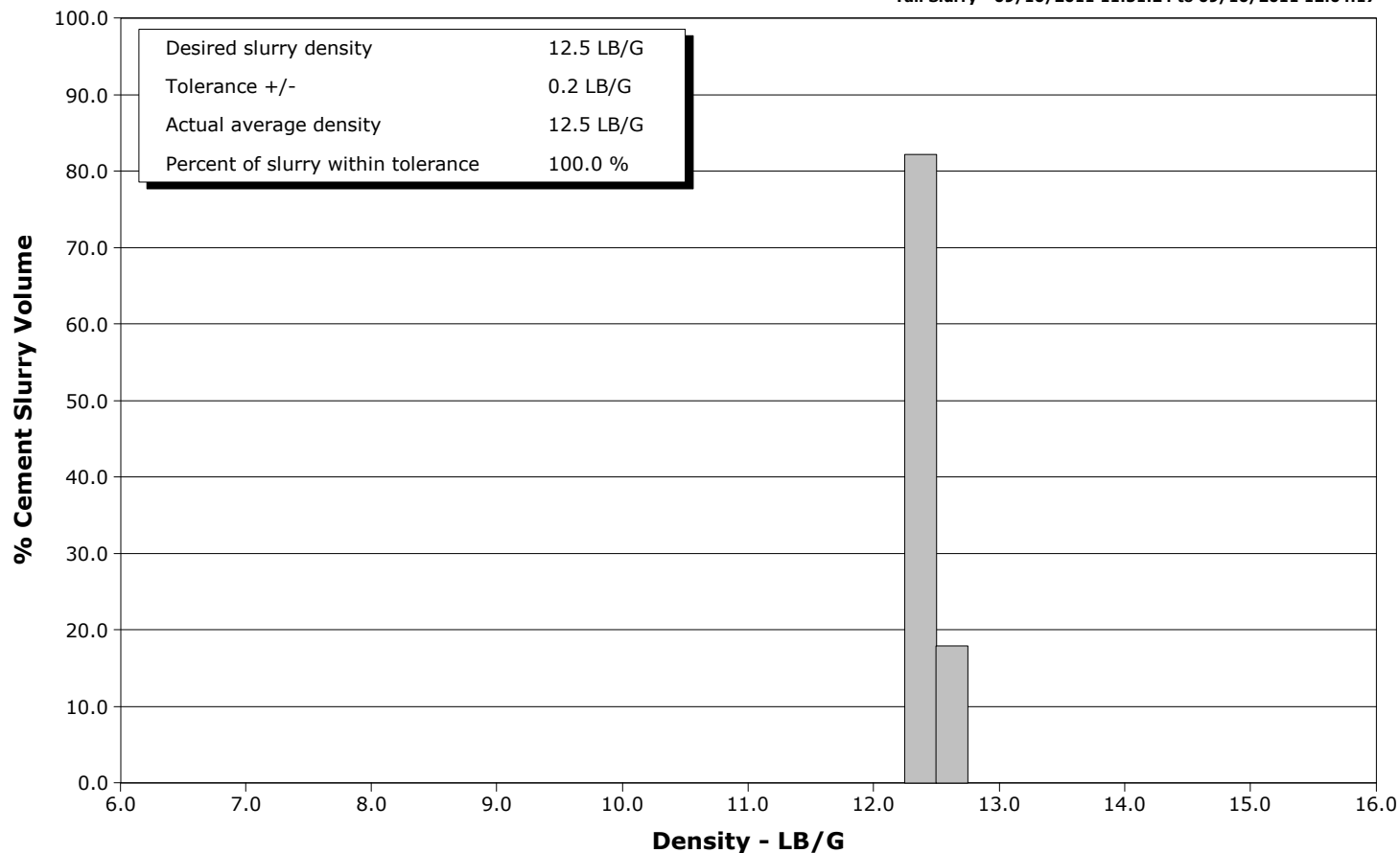
**Well** DW 8603B-33  
**Field** Double Willow  
**Engineer** Matt Fair/ Jordan Moreland  
**Country** United States

**Client** Encana  
**SIR No.** BUNM-00116  
**Job Type** 9 5/8 Surface  
**Job Date** 09-10-2011

**Lead Slurry - 09/10/2011 11:19:19 to 09/10/2011 11:50:10**



**Tail Slurry - 09/10/2011 11:51:24 to 09/10/2011 12:04:17**



				Customer Encana			Job Number BUNM-00116										
Well DW 8603B-33			Location (legal)			Schlumberger Location			Job Start Sep/10/2011								
Field Double Willow		Formation Name/Type Shale			Deviation deg		Bit Size 14.8 in		Well MD 2136.0 ft		Well TVD 2136.0 ft						
County Garfield		State/Province Colorado			BHP psi		BHST 106 degF		BHCT 90 degF		Pore Press. Gradient lb/gal						
Well Master 0631308210		API/UWI															
Rig Name Patterson 308		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		120.0		16.0		65.0							
						2136.0		9.6		36.0		J55					
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			
Service Instructions Cement 9 5/8" Surface casing 472 sks 11.0 lead 247 sks 12.5 tail						ft		ft									
						ft		ft						Diameter in			
						ft		ft									
		Treat Down Casing		Displacement 162.0 bbl		Packer Type		Packer Depth ft									
		Tubing Vol. bbl		Casing Vol. 166.0 bbl		Annular Vol. 261.0 bbl		Openhole Vol. 428.0 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 1057 psi				Shoe Type Float				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2136.0 ft				Tool Type									
No. Centralizers 24		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/10/2011 05:00		Arrived on Location Sep/10/2011 05:00		Leave Location Sep/10/2011		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 2090.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message												
09/10/2011	10:57:33	8.41	-2	0.0	Started Acquisition												
09/10/2011	10:57:36	8.41	-3	0.0	Start Job												
09/10/2011	10:59:13	8.41	-5	0.1													
09/10/2011	11:00:44	8.41	749	0.1	Pressure Test Lines												
09/10/2011	11:00:53	8.41	686	0.0													
09/10/2011	11:00:55	8.40	679	0.0	Low PSI test good												
09/10/2011	11:02:33	8.41	2950	0.0													
09/10/2011	11:02:56	8.40	2926	0.0	Pressure Test Lines												
09/10/2011	11:02:57	8.41	2926	0.0	High PSI test good												
09/10/2011	11:04:13	8.41	11	0.0													
09/10/2011	11:05:53	8.41	13	0.0													
09/10/2011	11:07:33	8.41	12	0.0													
09/10/2011	11:08:44	8.41	13	0.3	Start Pumping Spacer												
09/10/2011	11:08:47	8.41	8	0.9	50 bbl MUDPUSH II												
09/10/2011	11:09:13	10.16	47	2.0													
09/10/2011	11:10:53	10.09	108	4.9													
09/10/2011	11:11:07	10.08	106	5.2	Good returns												
09/10/2011	11:12:33	10.04	86	5.2													
09/10/2011	11:14:13	10.01	117	5.0													
09/10/2011	11:15:53	10.02	49	3.1													
09/10/2011	11:17:33	10.01	39	2.8													

Well DW 8603B-33			Field Double Willow	Job Start Sep/10/2011	Customer Encana	Job Number BUNM-00116
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
09/10/2011	11:18:42	10.60	32	2.2	Start Cement Slurry	
09/10/2011	11:18:43	10.63	30	2.3	Start Mixing Scav Slurry	
09/10/2011	11:18:49	10.71	34	2.3	Bring to weight	
09/10/2011	11:19:13	10.90	42	2.5		
09/10/2011	11:19:18	10.92	43	2.5	End Scavenger Slurry	
09/10/2011	11:19:19	10.93	42	2.5	Start Mixing Lead Slurry	
09/10/2011	11:19:21	10.94	43	2.5	241 bbl 11.0 lead	
09/10/2011	11:19:25	10.96	44	2.5	Good returns	
09/10/2011	11:19:47	10.99	47	2.6	Took wet/dry samples	
09/10/2011	11:19:48	10.99	46	2.6	Wet sample = 11.0 on mudscales	
09/10/2011	11:20:53	11.01	64	6.4		
09/10/2011	11:22:33	11.04	290	7.9		
09/10/2011	11:24:13	11.07	271	8.3		
09/10/2011	11:25:53	11.06	262	8.4		
09/10/2011	11:27:33	11.00	272	8.5		
09/10/2011	11:29:13	11.02	273	8.5		
09/10/2011	11:30:53	11.01	281	8.5		
09/10/2011	11:32:33	10.99	272	8.5		
09/10/2011	11:34:13	10.99	278	8.5		
09/10/2011	11:35:53	11.00	273	8.5		
09/10/2011	11:37:33	11.00	265	8.5		
09/10/2011	11:39:13	10.99	281	8.5		
09/10/2011	11:40:53	11.01	287	8.5		
09/10/2011	11:42:33	11.00	278	8.5		
09/10/2011	11:44:13	10.97	187	6.6		
09/10/2011	11:45:53	10.99	98	4.7		
09/10/2011	11:47:33	11.00	91	4.6		
09/10/2011	11:49:13	11.04	50	3.5		
09/10/2011	11:50:10	11.32	49	3.4	End Lead Slurry	
09/10/2011	11:50:12	11.38	52	3.3	Start Mixing Scav Slurry	
09/10/2011	11:50:14	11.46	47	3.2	Bring to weight	
09/10/2011	11:50:53	12.15	66	3.3		
09/10/2011	11:51:23	12.43	41	2.4	End Scavenger Slurry	
09/10/2011	11:51:24	12.43	41	2.4	Start Mixing Tail Slurry	
09/10/2011	11:51:26	12.44	50	2.3	80 bbl 12.5 tail	
09/10/2011	11:51:36	12.46	51	2.6	Good returns	
09/10/2011	11:51:49	12.47	54	2.8	Took wet/dry samples	
09/10/2011	11:51:51	12.46	55	2.8	Wet sample = 12.5 on mudscales	
09/10/2011	11:52:33	12.46	57	2.9		
09/10/2011	11:54:13	12.50	245	6.5		
09/10/2011	11:55:53	12.49	232	6.5		
09/10/2011	11:57:33	12.47	241	6.5		
09/10/2011	11:59:13	12.46	243	6.5		
09/10/2011	12:00:53	12.47	222	6.5		
09/10/2011	12:02:33	12.47	229	6.5		
09/10/2011	12:04:13	12.53	38	6.3		
09/10/2011	12:04:17	12.61	7	1.6	End Tail Slurry	
09/10/2011	12:04:18	12.61	7	0.6	End Cement Slurry	
09/10/2011	12:04:25	12.63	6	0.0	Drop Top Plug	
09/10/2011	12:05:53	12.65	5	0.0		
09/10/2011	12:07:33	12.74	6	0.0		
09/10/2011	12:08:55	10.84	61	1.3	Start Displacement	
09/10/2011	12:09:13	9.46	33	2.4		
09/10/2011	12:10:53	9.03	58	4.3		

Well DW 8603B-33			Field Double Willow	Job Start Sep/10/2011	Customer Encana	Job Number BUNM-00116
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
09/10/2011	12:11:14	9.03	55	4.5	Good returns	
09/10/2011	12:12:33	8.40	59	4.6		
09/10/2011	12:14:13	8.47	61	4.8		
09/10/2011	12:15:53	8.23	69	4.7		
09/10/2011	12:17:33	8.40	68	4.7		
09/10/2011	12:19:13	8.40	91	4.6		
09/10/2011	12:20:53	8.40	171	6.5		
09/10/2011	12:22:33	8.41	198	6.5		
09/10/2011	12:23:34	8.41	250	6.5	92 bbl cement to surface	
09/10/2011	12:24:13	8.41	218	6.5		
09/10/2011	12:25:53	8.41	254	6.5		
09/10/2011	12:27:33	8.41	346	6.5		
09/10/2011	12:29:13	8.41	379	6.5		
09/10/2011	12:30:53	8.41	427	6.5		
09/10/2011	12:32:33	8.41	428	6.5		
09/10/2011	12:34:13	8.41	419	3.4		
09/10/2011	12:35:53	8.41	426	3.2		
09/10/2011	12:37:33	8.41	426	3.2		
09/10/2011	12:39:13	8.41	405	3.2		
09/10/2011	12:40:53	8.41	338	2.3		
09/10/2011	12:42:33	8.41	346	2.3		
09/10/2011	12:44:05	8.41	1018	0.2	End Displacement	
09/10/2011	12:44:06	8.41	1010	0.1	Bump Top Plug	
09/10/2011	12:44:08	8.41	999	0.0	Bumped plug @ 1000 PSI	
09/10/2011	12:44:13	8.41	1001	0.0		
09/10/2011	12:45:53	8.41	990	0.0		
09/10/2011	12:47:33	8.41	991	0.0		
09/10/2011	12:48:56	8.41	1	0.0	Float held	
09/10/2011	12:49:03	8.41	-1	0.0	1/2 bbl back	
09/10/2011	12:49:13	8.41	-1	0.0		
09/10/2011	12:49:23	8.41	-1	0.0	Waiting to flush parasite line	
09/10/2011	12:50:53	8.41	-0	0.0		
09/10/2011	12:52:33	8.41	-1	0.0		
09/10/2011	12:54:13	8.41	-2	0.0		
09/10/2011	12:55:53	8.41	-2	0.0		
09/10/2011	12:57:33	8.41	-3	0.0		
09/10/2011	12:59:13	8.41	-3	0.0		
09/10/2011	13:00:53	8.41	-3	0.0		
09/10/2011	13:02:33	8.41	-3	0.0		
09/10/2011	13:04:13	8.41	-3	0.0		
09/10/2011	13:05:53	8.41	-3	0.0		
09/10/2011	13:07:33	8.41	-3	0.0		
09/10/2011	13:09:13	8.41	-4	0.0		
09/10/2011	13:10:53	8.41	-4	0.0		
09/10/2011	13:12:33	8.41	-4	0.0		
09/10/2011	13:14:13	8.41	-3	0.0		
09/10/2011	13:15:53	8.41	-3	0.0		
09/10/2011	13:17:33	8.41	-4	0.0		
09/10/2011	13:19:13	8.41	-3	0.0		
09/10/2011	13:20:53	8.41	-3	0.0		
09/10/2011	13:22:33	8.41	-4	0.0		
09/10/2011	13:24:13	8.41	-5	0.0		
09/10/2011	13:25:53	8.41	-5	0.0		
09/10/2011	13:27:33	8.41	-5	0.0		

Well			Field	Job Start		Customer	Job Number
DW 8603B-33			Double Willow	Sep/10/2011		Encana	BUNM-00116
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
09/10/2011	13:30:53	8.41	-6	0.0			
09/10/2011	13:32:33	8.41	-6	0.0			
09/10/2011	13:34:13	8.41	-5	0.0			
09/10/2011	13:35:53	8.41	-5	0.0			
09/10/2011	13:37:33	8.41	-6	0.0			
09/10/2011	13:39:13	8.40	-5	0.0			
09/10/2011	13:40:53	8.41	-5	0.0			
09/10/2011	13:42:33	8.41	-5	0.0			
09/10/2011	13:44:13	8.40	-4	0.0			
09/10/2011	13:45:53	8.41	-4	0.0			
09/10/2011	13:47:33	8.41	-4	0.0			
09/10/2011	13:49:13	8.40	-5	0.0			
09/10/2011	13:50:53	8.40	-4	0.0			
09/10/2011	13:52:33	8.40	-5	0.0			
09/10/2011	13:54:13	8.40	-5	0.0			
09/10/2011	13:55:53	8.40	-5	0.0			
09/10/2011	13:57:33	8.40	-13	2.5			
09/10/2011	13:57:47	8.43	-19	2.5	Start Pumping Water		
09/10/2011	13:59:13	8.41	-10	2.8			
09/10/2011	14:00:15	8.41	-6	0.0	End Water		
09/10/2011	14:00:53	8.41	-5	0.3			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.1	N2	Mud	Maximum Rate 8.5		Total Slurry 528.4	Mud 0.0	Spacer 41.8	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3194	Final 256	Average 271	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 321.0 bbl		Displacement 166.4 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Ira Cox				Schlumberger Supervisor Matt Fair/ Jordan Moreland		Circulation Lost <input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
						-	-	



# Service Quality Evaluation

Client:	Encana
Field:	Double Willow
Rig:	Patterson 308
Well:	DW 8603B-33
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Sep/10/2011
Operating Time (hh:mm):	00:00
Client Rep:	Ira Cox
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: