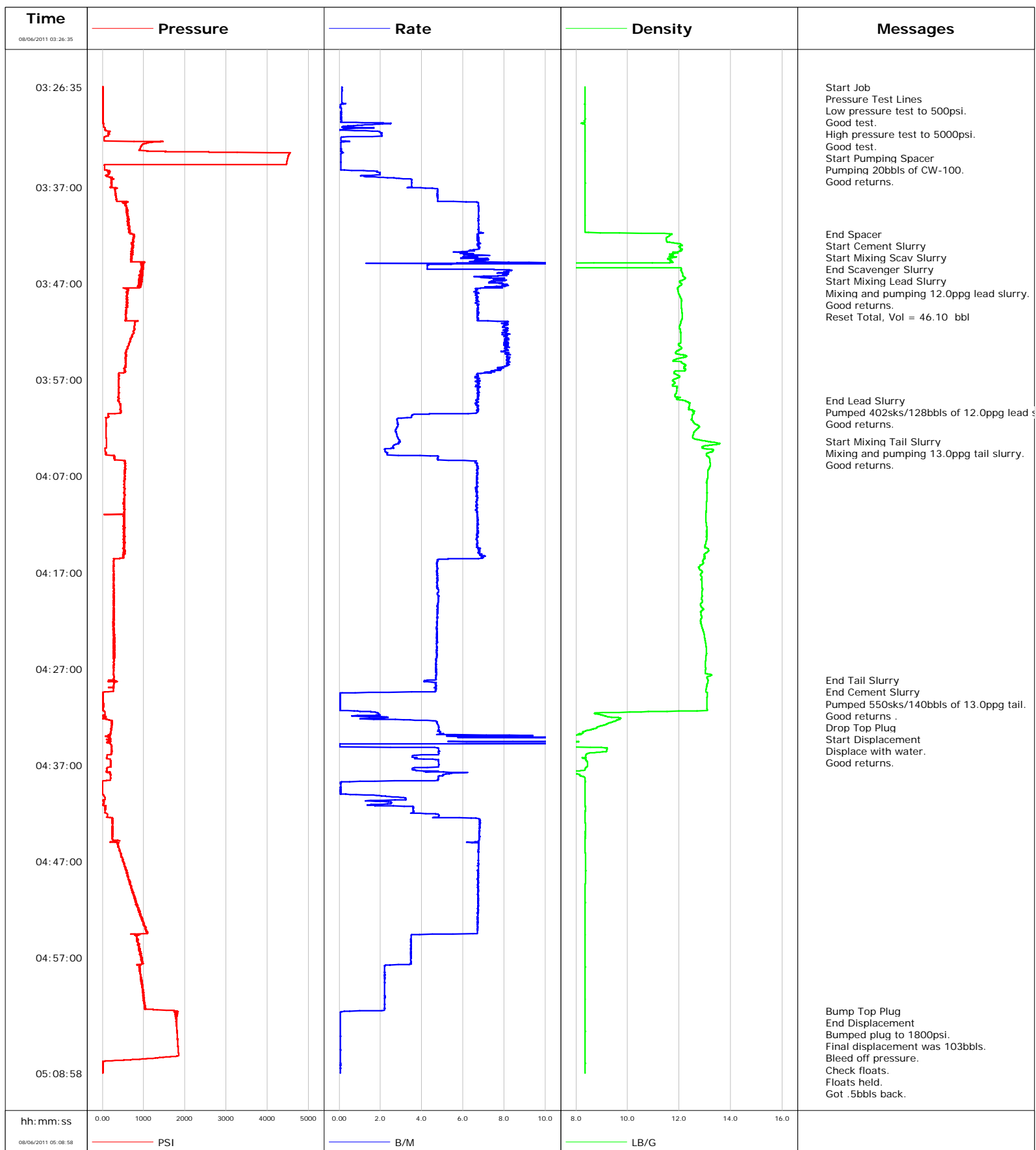


**Well** DAYBREAK FED 19-6  
**Field** S. PARACHUTE  
**Engineer** JEFF PATTERSON  
**Country** United States

**Client** ENCANA  
**SIR No.** BUS5-00001  
**Job Type** 4 1/2" PRODUCTION  
**Job Date** 08-05-2011



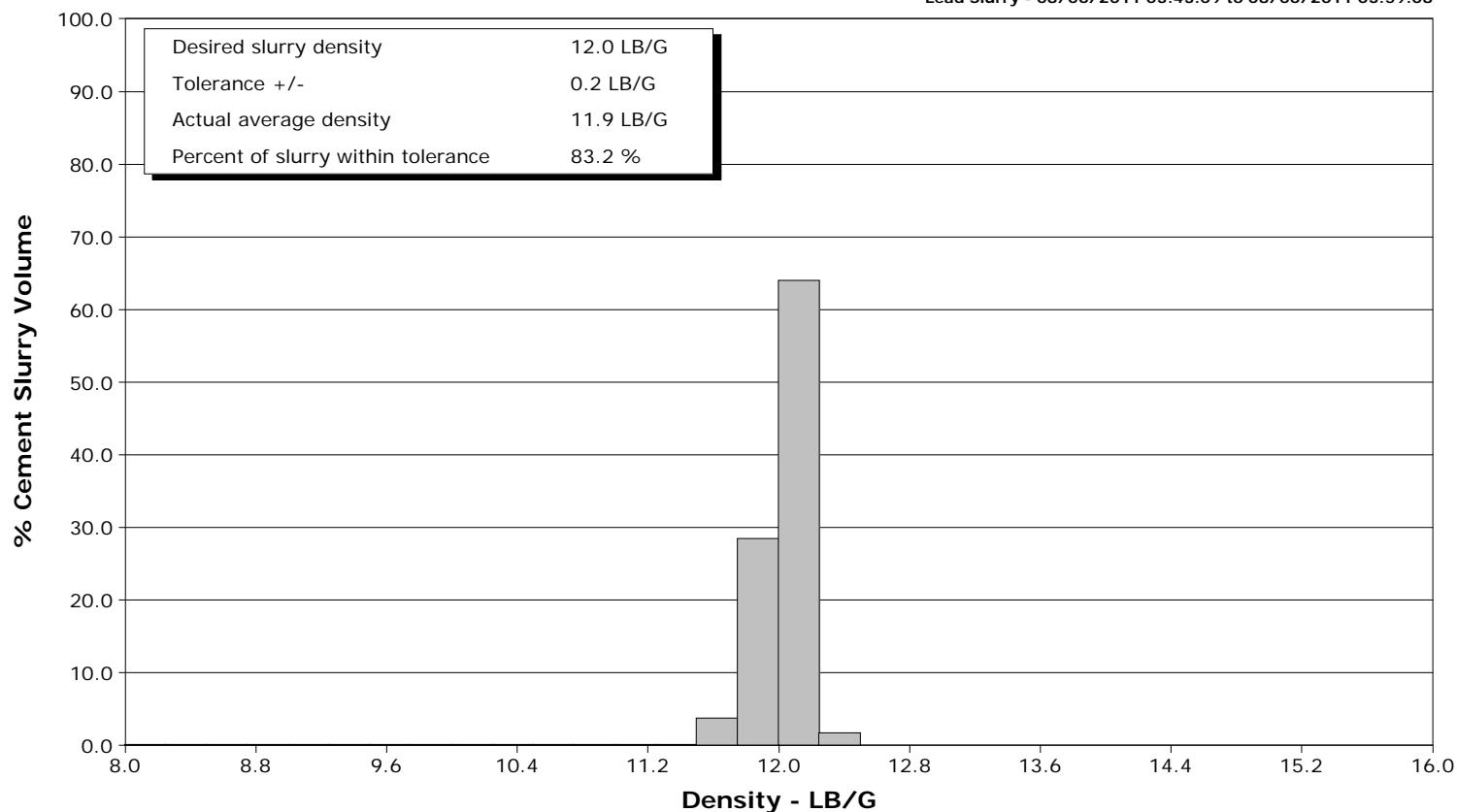
# Schlumberger

## Cementing Qa/Qc Density Report

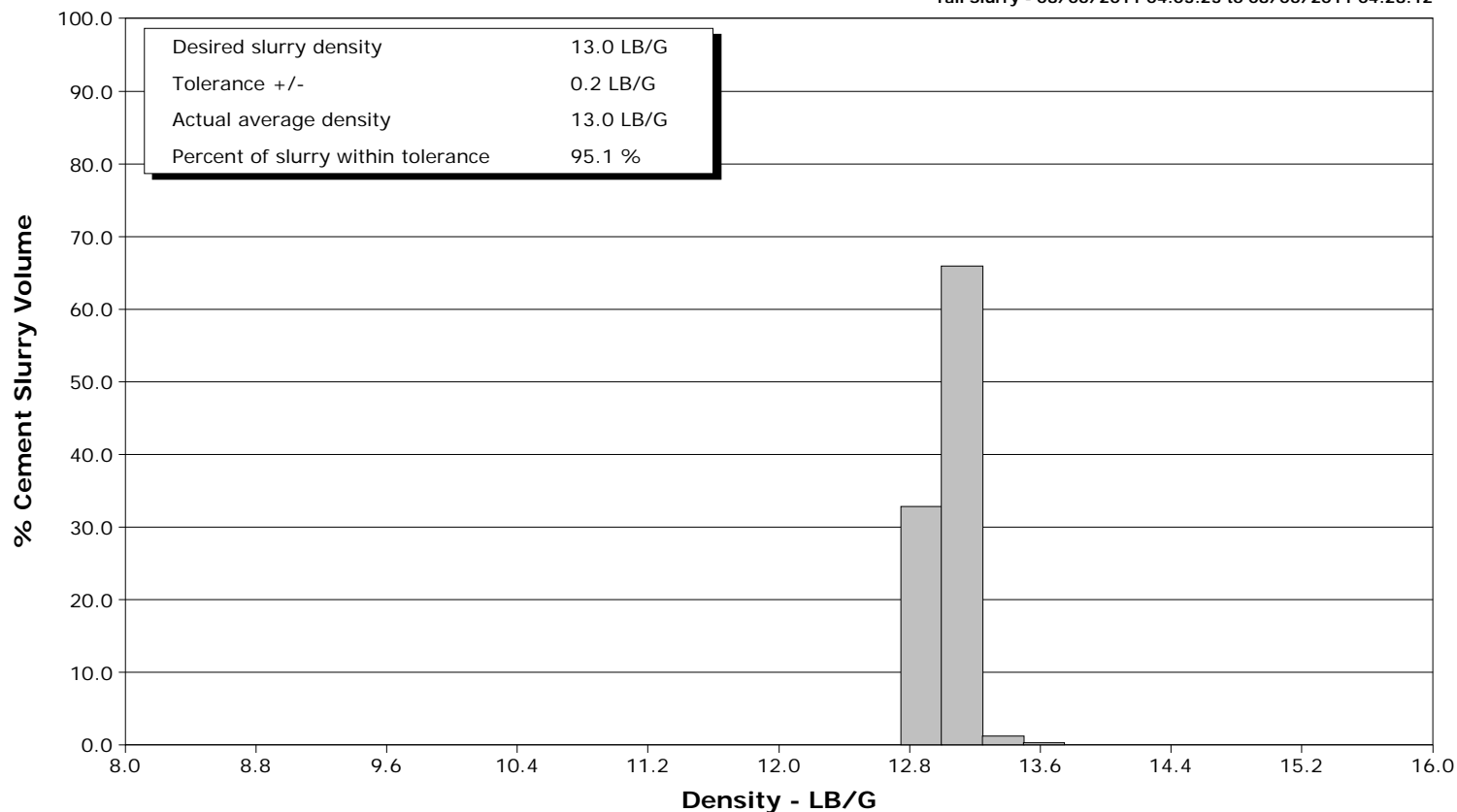
**Well** DAYBREAK FED 19-6  
**Field** S. PARACHUTE  
**Engineer** JEFF PATTERSON  
**Country** United States

**Client** ENCAN  
**SIR No.** BUS5-00001  
**Job Type** 4 1/2" PRODUCTION  
**Job Date** 08-05-2011

Lead Slurry - 08/06/2011 03:43:09 to 08/06/2011 03:59:08



Tail Slurry - 08/06/2011 04:03:23 to 08/06/2011 04:28:12





# Cementing Service Report

				Customer ENCANA		Job Number BUS5-00001		
Well DAYBREAK FED 19-6 DAYBREAK FED 19-6			Location (legal) PJ19		Schlumberger Location GRAND JUNCTION,COLORADO		Job Start Aug/05/2011	
Field S. PARACHUTE		Formation Name/Type SHALE		Deviation 0 deg	Bit Size 8.8 in	Well MD 6670.0 ft		Well TVD 6670.0 ft
County GARFIELD		State/Province Colorado		BHP	BHST 175 degF	BHCT 124 degF	Pore Press. Gradient	
Well Master 0631209439		API/UWI						
Rig Name NABORS M-15	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	1211.0	9.630	36.0	J55	8RD	
			6670.0	4.500	11.6	N80	BUTT	
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 4 1/2" PRODUCTION							
Max. Allowed Tub. Press 5000 psi	Max. Allowed Ann. Press	WH Connection 4 1/2" CEMENT HEAD	Perforations/Open Hole					
			Top,	Bottom,		No. of Shots	Total Interval	
							Diameter	
Service Instructions CEMENT PRODUCTION CASING WITH. 20BBLs OF CW-100. 402SKS 12.OPPG LEAD. 550SKS 13.OPPG TAIL. DISPLACE WITH WATER.								
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>	Casing Tools				Squeeze Job		
Lift Pressure 4865 psi		Shoe Type Guide	Squeeze Type					
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 6670.0 ft	Tool Type					
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type	Tool Depth				
Cement Head Type Single		Stage Tool Depth	Tail Pipe Size					
Job Scheduled For Aug/05/2011	Arrived on Location Aug/05/2011	Leave Location Aug/05/2011	Collar Type Float	Tail Pipe Depth				
			Collar Depth 6629.0 ft	Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
08/06/2011	02:57:42					Started Acquisition		
08/06/2011	03:26:35	5	0.1	8.36	0.0			
08/06/2011	03:26:36					Start Job		
08/06/2011	03:26:36	5	0.1	8.36	0.0			
08/06/2011	03:26:37					Pressure Test Lines		
08/06/2011	03:26:37	5	0.1	8.36	0.0			
08/06/2011	03:26:38					Low pressure test to 500psi.		
08/06/2011	03:26:38	5	0.1	8.36	0.0			
08/06/2011	03:26:39					Good test.		
08/06/2011	03:26:39					High pressure test to 500psi.		
08/06/2011	03:26:39					Good test.		
08/06/2011	03:26:39	5	0.1	8.36	0.0			
08/06/2011	03:26:42					Start Pumping Spacer		
08/06/2011	03:26:42	5	0.1	8.36	0.0			
08/06/2011	03:26:43					Pumping 20bbls of CW-100.		
08/06/2011	03:26:43	5	0.1	8.36	0.0			
08/06/2011	03:26:44					Good returns.		
08/06/2011	03:26:44	5	0.1	8.36	0.0			
08/06/2011	03:27:42	5	0.1	8.35	0.2			
08/06/2011	03:29:22	3	0.1	8.35	0.3			
08/06/2011	03:31:02	67	0.3	8.35	1.2			

Well DAYBREAK FED 19-6 DAYBREAK FED 19-6			Field S. PARACHUTE	Job Start Aug/05/2011	Customer ENCANA	Job Number BUS5-00001
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/06/2011	03:34:22	4473	0.1	8.35	2.7	
08/06/2011	03:36:02	198	2.4	8.36	4.1	
08/06/2011	03:37:42	318	4.8	8.36	10.6	
08/06/2011	03:39:22	604	6.8	8.35	20.2	
08/06/2011	03:41:02	634	6.8	8.35	31.5	
08/06/2011	03:41:52					End Spacer
08/06/2011	03:41:52	710	6.7	11.64	37.1	
08/06/2011	03:41:53					Start Cement Slurry
08/06/2011	03:41:53	714	6.7	11.72	37.2	
08/06/2011	03:41:54					Start Mixing Scav Slurry
08/06/2011	03:41:54	714	6.7	11.73	37.3	
08/06/2011	03:42:42	750	6.7	11.53	42.7	
08/06/2011	03:43:08					End Scavenger Slurry
08/06/2011	03:43:08	716	6.7	12.03	45.7	
08/06/2011	03:43:09					Start Mixing Lead Slurry
08/06/2011	03:43:09	716	6.8	12.01	45.8	
08/06/2011	03:43:11					Mixing and pumping 12.0ppg lead slurry.
08/06/2011	03:43:11					Good returns.
08/06/2011	03:43:11	722	6.8	12.00	46.0	
08/06/2011	03:43:12					Reset Total, Vol = 46.10 bbl
08/06/2011	03:43:12	728	6.8	12.00	46.1	
08/06/2011	03:44:22	717	6.3	11.69	53.6	
08/06/2011	03:46:02	982	8.2	12.14	64.2	
08/06/2011	03:47:42	624	6.7	11.95	76.8	
08/06/2011	03:49:22	596	6.7	12.09	87.9	
08/06/2011	03:51:02	797	8.2	12.07	99.3	
08/06/2011	03:52:42	693	8.2	12.07	112.8	
08/06/2011	03:54:22	561	8.2	11.96	126.3	
08/06/2011	03:56:02	544	7.7	12.22	139.7	
08/06/2011	03:57:42	391	6.7	11.93	151.1	
08/06/2011	03:59:08					End Lead Slurry
08/06/2011	03:59:08	397	6.6	12.14	160.8	
08/06/2011	03:59:11					Pumped 402sks/128bbbls of 12.0ppg lead slurry.
08/06/2011	03:59:11					Good returns.
08/06/2011	03:59:11	376	6.7	12.24	161.1	
08/06/2011	03:59:22	414	6.7	12.36	162.3	
08/06/2011	04:01:02	95	2.8	12.50	171.9	
08/06/2011	04:02:42	94	2.8	12.55	176.5	
08/06/2011	04:03:23					Start Mixing Tail Slurry
08/06/2011	04:03:23	102	2.9	13.05	178.5	
08/06/2011	04:03:25					Mixing and pumping 13.0ppg tail slurry.
08/06/2011	04:03:25	103	3.0	13.13	178.6	
08/06/2011	04:03:27					Good returns.
08/06/2011	04:03:27	104	2.9	13.23	178.7	
08/06/2011	04:04:22	70	2.2	13.32	181.1	
08/06/2011	04:06:02	550	6.7	13.20	189.0	
08/06/2011	04:07:42	540	6.7	13.07	200.2	
08/06/2011	04:09:22	540	6.7	13.08	211.3	
08/06/2011	04:11:02	536	6.7	13.04	222.4	
08/06/2011	04:12:42	546	6.7	13.07	233.6	
08/06/2011	04:14:22	512	6.7	13.01	244.7	
08/06/2011	04:16:02	278	4.7	12.94	255.2	
08/06/2011	04:17:42	278	4.8	12.86	263.1	
08/06/2011	04:19:22	266	4.8	12.89	271.1	

Well DAYBREAK FED 19-6 DAYBREAK FED 19-6			Field S. PARACHUTE	Job Start Aug/05/2011	Customer ENCANA	Job Number BUS5-00001
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/06/2011	04:22:42	263	4.7	12.89	287.0	
08/06/2011	04:24:22	296	4.7	13.03	294.9	
08/06/2011	04:26:02	284	4.7	13.03	302.7	
08/06/2011	04:27:42	276	4.7	13.23	310.6	
08/06/2011	04:28:12					End Tail Slurry
08/06/2011	04:28:12	281	4.3	13.12	312.9	
08/06/2011	04:28:13					End Cement Slurry
08/06/2011	04:28:13	185	4.3	13.12	313.0	
08/06/2011	04:28:15					Pumped 550sks/140bbls of 13.0ppg tail.
08/06/2011	04:28:15					Good returns .
08/06/2011	04:28:15	156	4.1	13.12	313.1	
08/06/2011	04:28:18					Drop Top Plug
08/06/2011	04:28:18					Start Displacement
08/06/2011	04:28:18	337	4.1	13.12	313.3	
08/06/2011	04:28:20					Displace with water.
08/06/2011	04:28:20					Good returns.
08/06/2011	04:28:20	141	4.1	13.12	313.5	
08/06/2011	04:29:22	267	4.7	13.04	318.3	
08/06/2011	04:31:02	11	0.0	13.08	318.7	
08/06/2011	04:32:42	235	4.8	9.23	322.0	
08/06/2011	04:34:22	100	25.0	-0.02	334.6	
08/06/2011	04:36:02	110	3.6	8.38	347.0	
08/06/2011	04:37:42	92	4.2	7.64	354.1	
08/06/2011	04:39:22	-3	0.1	8.36	359.0	
08/06/2011	04:41:02	18	2.5	8.36	361.4	
08/06/2011	04:42:42	235	6.8	8.36	368.2	
08/06/2011	04:44:22	247	6.8	8.36	379.6	
08/06/2011	04:46:02	429	6.7	8.36	390.8	
08/06/2011	04:47:42	551	6.7	8.37	402.0	
08/06/2011	04:49:22	680	6.7	8.36	413.3	
08/06/2011	04:51:02	811	6.7	8.35	424.5	
08/06/2011	04:52:42	929	6.7	8.35	435.7	
08/06/2011	04:54:22	1081	6.7	8.35	446.9	
08/06/2011	04:56:02	899	3.5	8.35	453.3	
08/06/2011	04:57:42	885	3.4	8.35	459.1	
08/06/2011	04:59:22	938	2.2	8.35	462.8	
08/06/2011	05:01:02	991	2.2	8.35	466.5	
08/06/2011	05:02:30					Bump Top Plug
08/06/2011	05:02:30	1747	2.1	8.35	469.7	
08/06/2011	05:02:31					End Displacement
08/06/2011	05:02:31	1747	1.5	8.35	469.7	
08/06/2011	05:02:32					Bumped plug to 1800psi.
08/06/2011	05:02:32	1726	1.0	8.35	469.7	
08/06/2011	05:02:33					Final displacement was 103bbls.
08/06/2011	05:02:33					Bleed off pressure.
08/06/2011	05:02:33					Check floats.
08/06/2011	05:02:33					Floats held.
08/06/2011	05:02:33	1810	0.5	8.35	469.8	
08/06/2011	05:02:34					Got .5bbls back.
08/06/2011	05:02:34					Good returns for entire job.
08/06/2011	05:02:34					No cement to surface.
08/06/2011	05:02:34	1776	0.3	8.35	469.8	
08/06/2011	05:02:42	1766	0.1	8.35	469.8	
08/06/2011	05:04:22	1804	0.1	8.35	469.9	

Well DAYBREAK FED 19-6 DAYBREAK FED 19-6			Field S. PARACHUTE		Job Start Aug/05/2011	Customer ENCANA		Job Number BUS5-00001	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/06/2011	05:07:42	228	0.1	8.35	470.1				
08/06/2011	05:08:24					End Job			
08/06/2011	05:08:24	1	0.1	8.35	470.2				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 6.0	N2	Mud	Maximum Rate 8.0	Total Slurry 268.0	Mud	Spacer 30.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 5000	Final 1800	Average 300	Bump Plug to 1800	Breakdown	Type	Volume	Density		
Avg. N2 Percent		Designed Slurry Volume 268.0 bbl	Displacement 103.0 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume		
					Washed Thru Perfs <input type="checkbox"/>		To		
Customer or Authorized Representative ROBERT TATE			Schlumberger Supervisor JEFF PATTERSON			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
						-		-	