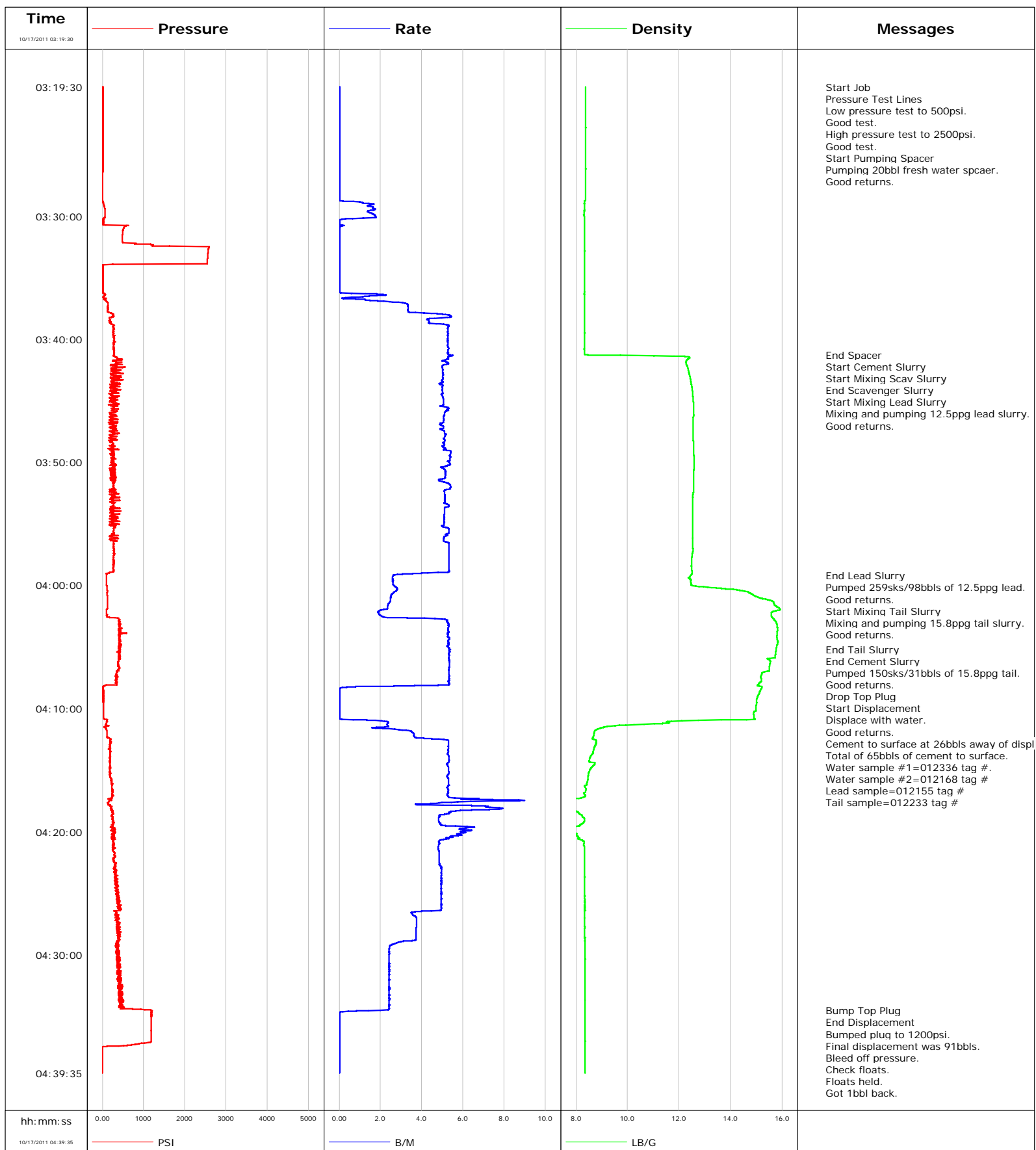


**Well** FEDERAL 28-6BB  
**Field** S. PARACHUTE  
**Engineer** Jeff Patterson  
**Country** United States

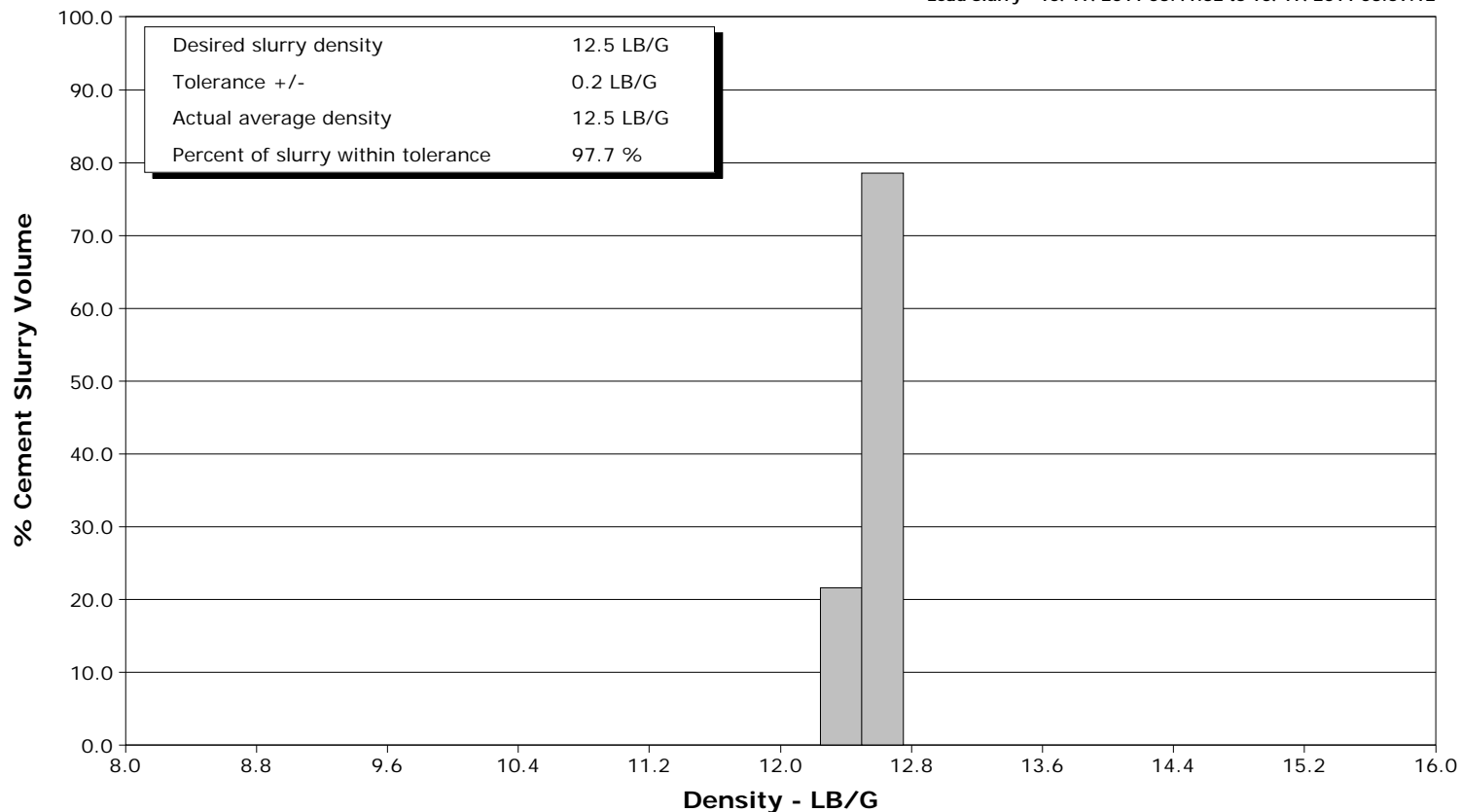
**Client** ENCANA  
**SIR No.** BC74-00104  
**Job Type** 9 5/8" SURFACE  
**Job Date** 10-16-2011



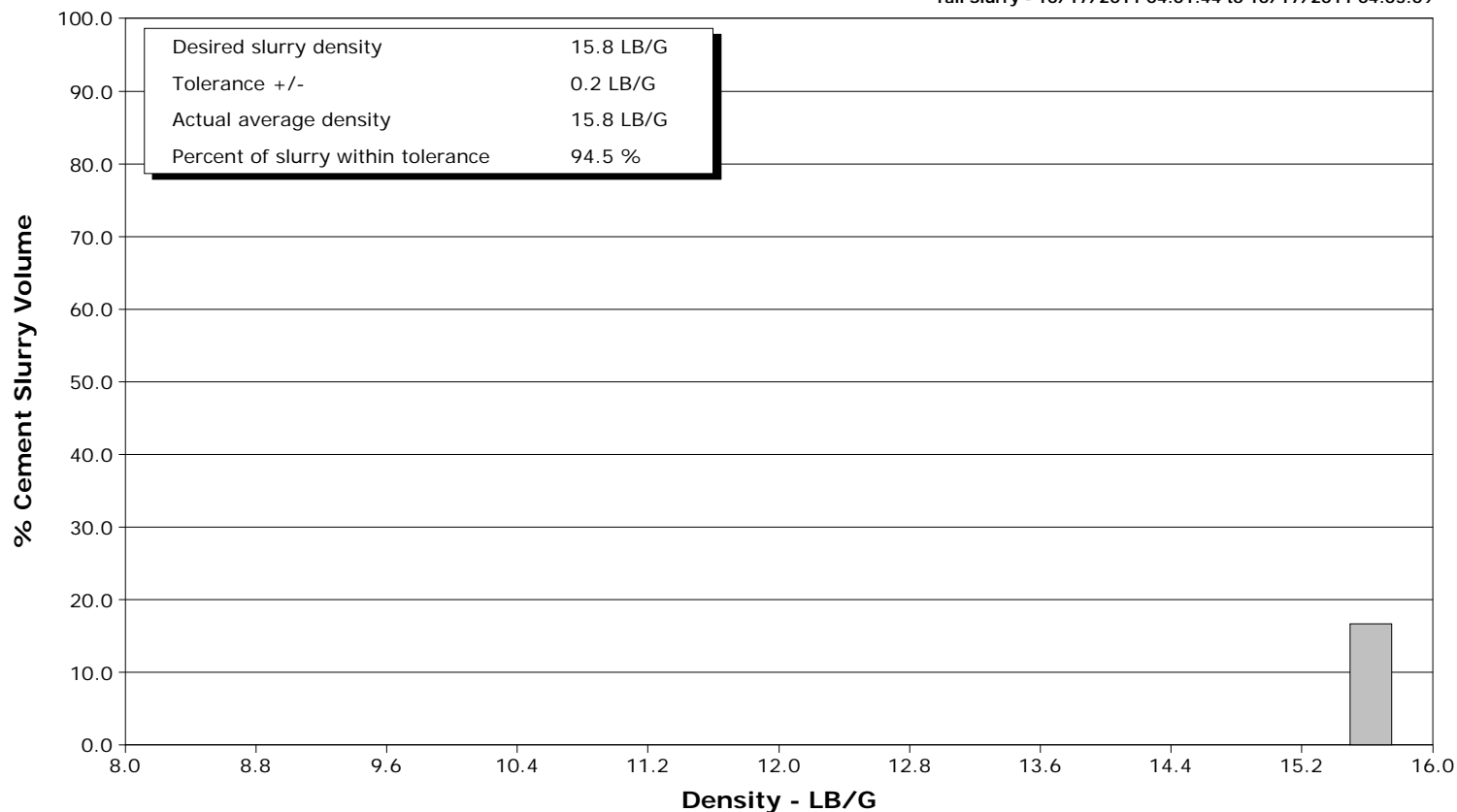
**Well** FEDERAL 28-6BB  
**Field** S. PARACHUTE  
**Engineer** Jeff Patterson  
**Country** United States

**Client** ENCANA  
**SIR No.** BC74-00104  
**Job Type** 9 5/8" SURFACE  
**Job Date** 10-16-2011

Lead Slurry - 10/17/2011 03:41:32 to 10/17/2011 03:59:12



Tail Slurry - 10/17/2011 04:01:44 to 10/17/2011 04:05:09





Well FEDERAL 28-6BB FEDERAL 28-6BB			Field S. PARACHUTE		Job Start Oct/16/2011		Customer ENCANA		Job Number BC74-00104	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/17/2011	03:28:48	3	0.2	8.34	0.0					
10/17/2011	03:30:28	23	0.0	8.33	2.1					
10/17/2011	03:32:08	494	0.0	8.33	2.2					
10/17/2011	03:33:48	2539	0.0	8.33	2.2					
10/17/2011	03:35:28	8	0.0	8.33	2.2					
10/17/2011	03:37:08	137	3.3	8.33	3.6					
10/17/2011	03:38:48	226	5.0	8.33	10.5					
10/17/2011	03:40:28	269	5.3	8.33	19.3					
10/17/2011	03:41:15					End Spacer				
10/17/2011	03:41:15	283	5.3	8.34	23.4					
10/17/2011	03:41:18					Start Cement Slurry				
10/17/2011	03:41:18	270	5.4	8.47	23.7					
10/17/2011	03:41:19					Start Mixing Scav Slurry				
10/17/2011	03:41:19	270	5.5	9.72	23.8					
10/17/2011	03:41:31					End Scavenger Slurry				
10/17/2011	03:41:31	367	5.3	12.41	24.8					
10/17/2011	03:41:32					Start Mixing Lead Slurry				
10/17/2011	03:41:32	357	5.3	12.40	24.9					
10/17/2011	03:41:33					Mixing and pumping 12.5ppg lead slurry.				
10/17/2011	03:41:33	357	5.3	12.40	25.0					
10/17/2011	03:41:34					Good returns.				
10/17/2011	03:41:34	348	5.3	12.38	25.1					
10/17/2011	03:42:08	194	5.0	12.30	28.0					
10/17/2011	03:43:48	362	5.0	12.49	36.4					
10/17/2011	03:45:28	257	5.0	12.56	44.7					
10/17/2011	03:47:08	181	5.1	12.54	53.2					
10/17/2011	03:48:48	235	5.0	12.56	61.7					
10/17/2011	03:50:28	297	5.0	12.57	70.5					
10/17/2011	03:52:08	286	5.4	12.56	79.1					
10/17/2011	03:53:48	239	5.1	12.52	87.7					
10/17/2011	03:55:28	277	5.3	12.53	96.2					
10/17/2011	03:57:08	275	5.3	12.54	104.9					
10/17/2011	03:58:48	276	5.3	12.49	113.8					
10/17/2011	03:59:12					End Lead Slurry				
10/17/2011	03:59:12	105	2.6	12.44	115.4					
10/17/2011	03:59:15					Pumped 259sks/98bbls of 12.5ppg lead.				
10/17/2011	03:59:15	104	2.6	12.43	115.6					
10/17/2011	03:59:16					Good returns.				
10/17/2011	03:59:16	103	2.6	12.43	115.6					
10/17/2011	04:00:28	119	2.7	14.52	118.8					
10/17/2011	04:01:44					Start Mixing Tail Slurry				
10/17/2011	04:01:44	124	2.3	15.81	122.0					
10/17/2011	04:01:46					Mixing and pumping 15.8ppg tail slurry.				
10/17/2011	04:01:46					Good returns.				
10/17/2011	04:01:46	124	2.3	15.83	122.0					
10/17/2011	04:02:08	102	1.9	15.62	122.8					
10/17/2011	04:03:48	396	5.3	15.81	129.9					
10/17/2011	04:05:09					End Tail Slurry				
10/17/2011	04:05:09	430	5.3	15.77	137.0					
10/17/2011	04:05:10					End Cement Slurry				
10/17/2011	04:05:10	430	5.3	15.77	137.1					
10/17/2011	04:05:12					Pumped 150sks/31bbls of 15.8ppg tail.				
10/17/2011	04:05:12					Good returns.				
10/17/2011	04:05:12	428	5.4	15.77	137.3					

Well FEDERAL 28-6BB FEDERAL 28-6BB			Field S. PARACHUTE	Job Start Oct/16/2011	Customer ENCANA	Job Number BC74-00104
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/17/2011	04:05:15	428	5.3	15.76	137.6	
10/17/2011	04:05:16					Start Displacement
10/17/2011	04:05:16	428	5.3	15.76	137.6	
10/17/2011	04:05:17					Displace with water.
10/17/2011	04:05:17					Good returns.
10/17/2011	04:05:17	386	5.3	15.76	137.7	
10/17/2011	04:05:18					Cement to surface at 26bbbls away of displacement.
10/17/2011	04:05:18					Total of 65bbbls of cement to surface.
10/17/2011	04:05:18	386	5.3	15.76	137.8	
10/17/2011	04:05:19					Water sample #1=012336 tag #.
10/17/2011	04:05:19					Water sample #2=012168 tag #
10/17/2011	04:05:19					Lead sample=012155 tag #
10/17/2011	04:05:19					Tail sample=012233 tag #
10/17/2011	04:05:19	391	5.3	15.75	137.9	
10/17/2011	04:05:28	411	5.3	15.74	138.7	
10/17/2011	04:07:08	342	5.3	15.21	147.6	
10/17/2011	04:08:48	15	0.0	15.09	153.1	
10/17/2011	04:10:28	26	0.0	14.89	153.1	
10/17/2011	04:12:08	114	3.6	8.70	156.4	
10/17/2011	04:13:48	185	5.3	8.59	164.7	
10/17/2011	04:15:28	179	5.2	8.47	173.5	
10/17/2011	04:17:08	237	5.3	8.33	182.3	
10/17/2011	04:18:48	257	4.9	8.25	192.3	
10/17/2011	04:20:28	274	5.4	8.08	201.4	
10/17/2011	04:22:08	280	4.8	8.34	209.5	
10/17/2011	04:23:48	353	4.9	8.34	217.7	
10/17/2011	04:25:28	376	4.9	8.34	225.9	
10/17/2011	04:27:08	397	3.7	8.34	233.3	
10/17/2011	04:28:48	410	3.7	8.34	239.5	
10/17/2011	04:30:28	407	2.4	8.35	243.7	
10/17/2011	04:32:08	375	2.4	8.35	247.8	
10/17/2011	04:33:48	393	2.4	8.35	251.8	
10/17/2011	04:34:30					Bump Top Plug
10/17/2011	04:34:30	1187	2.0	8.35	253.5	
10/17/2011	04:34:31					End Displacement
10/17/2011	04:34:31	1187	1.4	8.35	253.5	
10/17/2011	04:34:33					Bumped plug to 1200psi.
10/17/2011	04:34:33					Final displacement was 91bbbls.
10/17/2011	04:34:33					Bleed off pressure.
10/17/2011	04:34:33					Check floats.
10/17/2011	04:34:33	1204	0.8	8.35	253.6	
10/17/2011	04:34:34					Floats held.
10/17/2011	04:34:34					Got 1bbl back.
10/17/2011	04:34:34	1186	0.8	8.35	253.6	
10/17/2011	04:35:28	1188	0.0	8.35	253.6	
10/17/2011	04:37:08	1097	0.0	8.35	253.6	
10/17/2011	04:38:48	-1	0.0	8.35	253.6	
10/17/2011	04:39:26					End Job
10/17/2011	04:39:26	-5	0.0	8.35	253.6	

Well FEDERAL 28-6BB FEDERAL 28-6BB	Field S. PARACHUTE	Job Start Oct/16/2011	Customer ENCANA	Job Number BC74-00104
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.0	N2	Mud	Maximum Rate 6.0	Total Slurry 129.0	Mud	Spacer 20.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2500	Final 1200	Average 200	Bump Plug to 1200	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 129.0 bbl		Displacement 91.5 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 65.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative RICHARD MITCHELL			Schlumberger Supervisor Jeff Patterson			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	