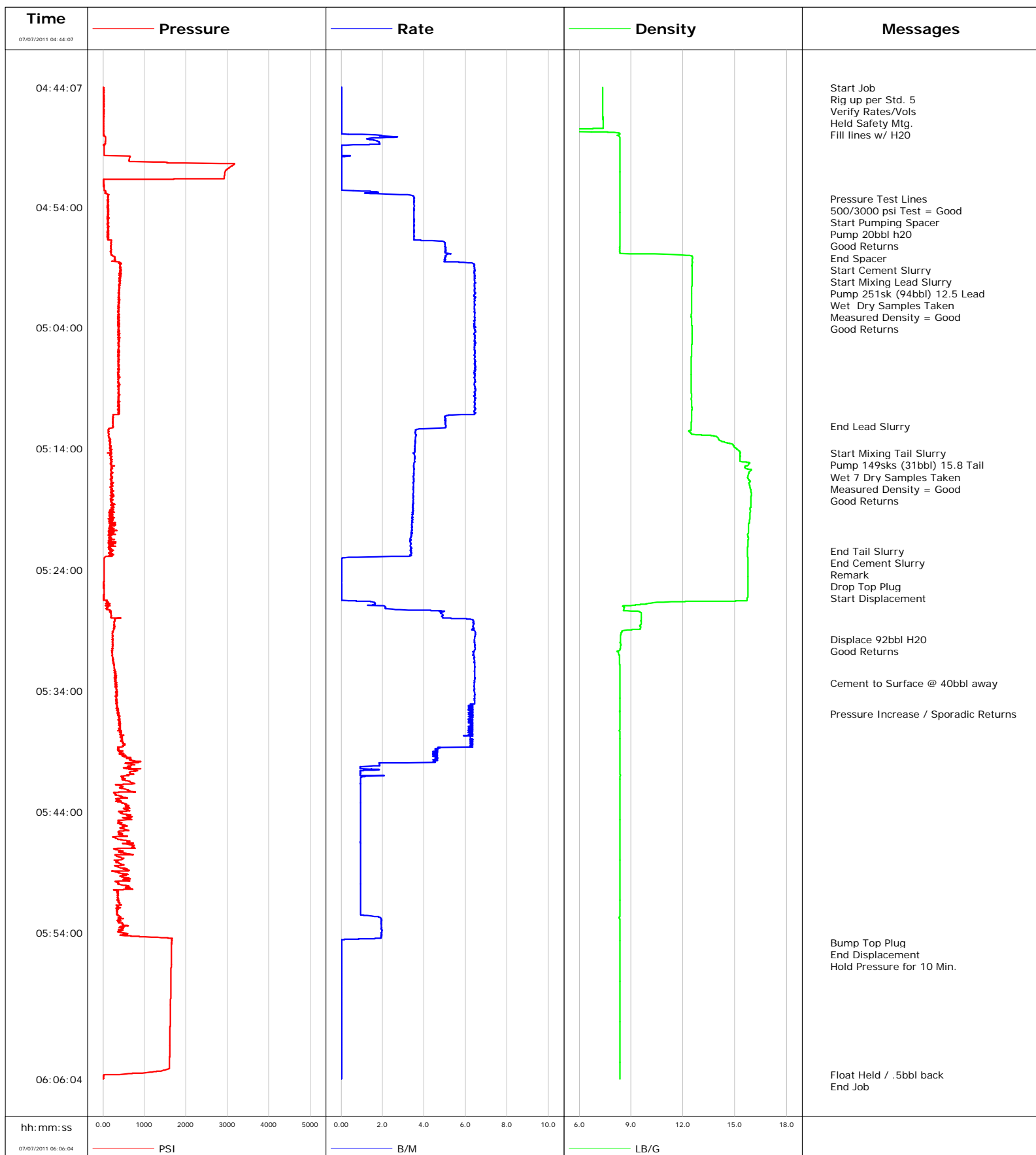


**Well** Daybreak Federal 19-6D  
**Field** S. Parachute  
**Engineer** B. Farnham  
**Country** United States

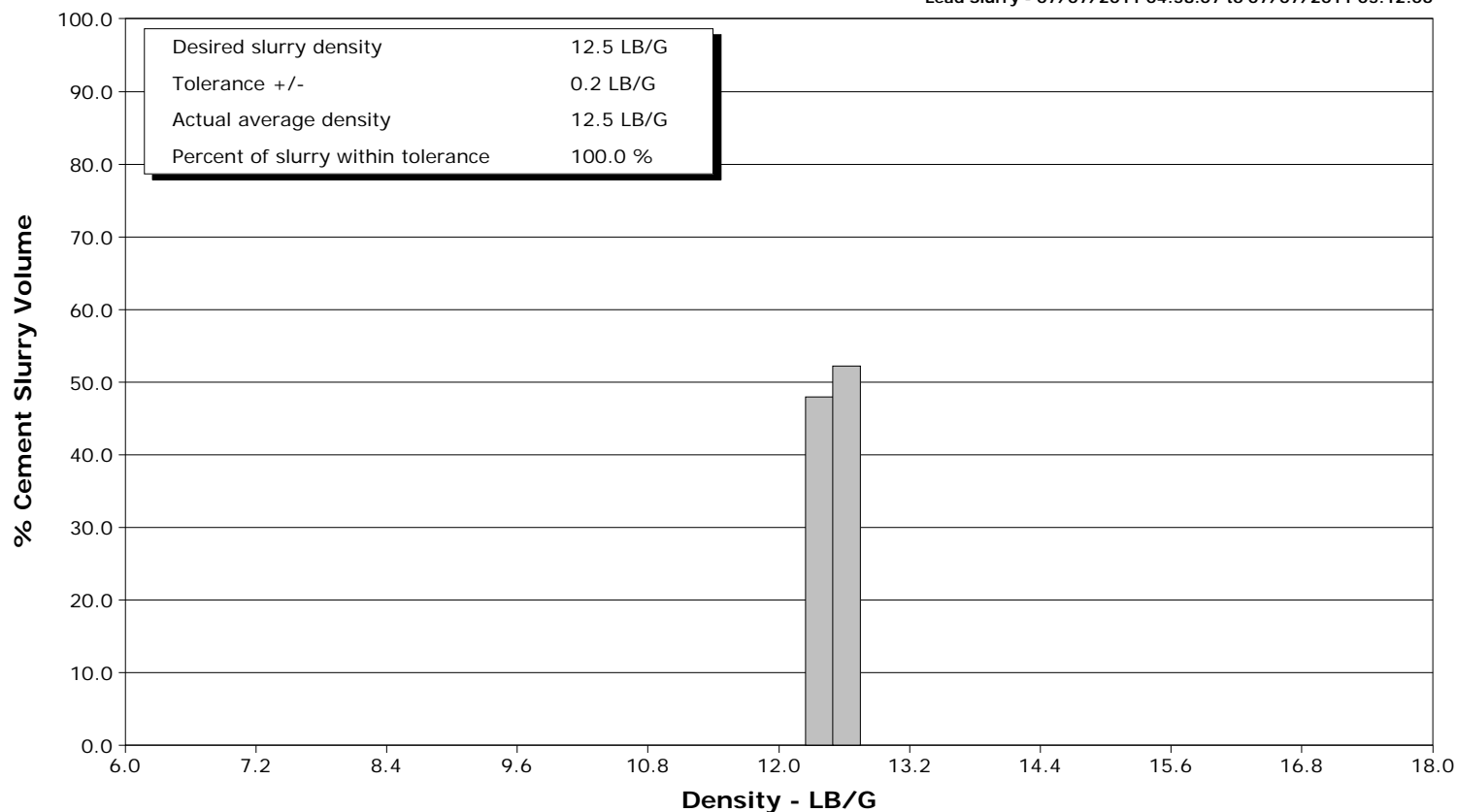
**Client** Encana Oil Gas  
**SIR No.** 569301  
**Job Type** 9 5/8" Surface  
**Job Date** 7-8-2011



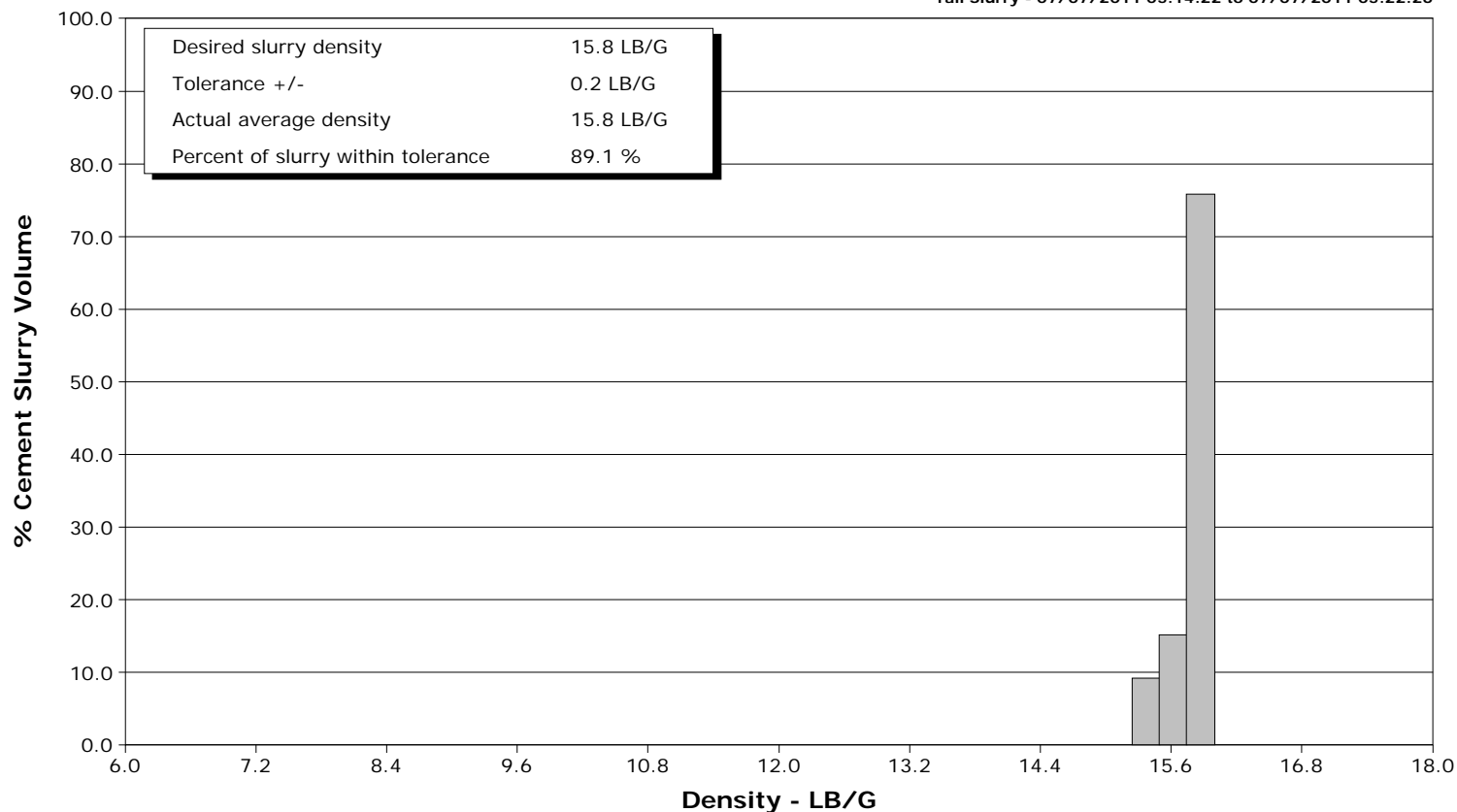
**Well** Daybreak Federal 19-6D  
**Field** S. Parachute  
**Engineer** B. Farnham  
**Country** United States

**Client** Encana Oil Gas  
**SIR No.** 569301  
**Job Type** 9 5/8" Surface  
**Job Date** 7-8-2011

Lead Slurry - 07/07/2011 04:58:07 to 07/07/2011 05:12:06



Tail Slurry - 07/07/2011 05:14:22 to 07/07/2011 05:22:26



# Cementing Service Report

				Customer Encana Oil & Gas			Job Number 569301	
Well Daybreak Federal 19-6D 19-16D			Location (legal) Nabors M15			Schlumberger Location Grand Junction		Job Start Jul/07/2011
Field S. Parachute		Formation Name/Type Shale		Deviation deg	Bit Size 12.3 in		Well MD 1231.0 ft	Well TVD 1231.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 95 degF	BHCT 80 degF	Pore Press. Gradient lb/gal	
Well Master		API/UWI -						
Rig Name Nabors M15	Drilled For Gas	Service Via Land	Casing/Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type New Well Completion	40.0	16.0	65.0			
			1231.0	9.6	36.0			
Drilling Fluid Type Bentonite		Max. Density 9.60 lb/gal	Plastic Viscosity 15.000 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 3000 psi	Max. Allowed Ann. Press 1500 psi	WH Connection Single Cement head	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 92.0 bbl	Packer Type	Packer Depth ft		
			Tubing Vol. bbl	Casing Vol. 92.0 bbl	Annular Vol. 122.0 bbl	Openhole Vol. 171.0 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 611 psi			Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1231.0 ft			Tool Type		
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type			Tool Depth ft		
Cement Head Type Single			Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Jul/07/2011 22:30	Arrived on Location Jul/07/2011 22:30	Leave Location Jul/08/2011 07:00	Collar Type Other			Tail Pipe Depth ft		
			Collar Depth 1187.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
07/07/2011	04:44:07	12	0.0	7.37	0.0	Started Acquisition		
07/07/2011	04:44:10	12	0.0	7.37	0.0	Rig up per Std. 5		
07/07/2011	04:44:37	12	0.0	7.37	0.0			
07/07/2011	04:45:07	12	0.0	7.37	0.0			
07/07/2011	04:45:37	12	0.0	7.37	0.0			
07/07/2011	04:46:07	12	0.0	7.37	0.0			
07/07/2011	04:46:37	12	0.0	7.37	0.0			
07/07/2011	04:47:07	9	0.0	7.37	0.0			
07/07/2011	04:47:37	9	0.0	0.97	0.0			
07/07/2011	04:48:07	23	1.9	8.25	0.2			
07/07/2011	04:48:37	59	1.8	8.36	1.1			
07/07/2011	04:49:07	29	0.0	8.36	1.5			
07/07/2011	04:49:37	28	0.0	8.36	1.5			
07/07/2011	04:50:07	632	0.0	8.36	1.6			
07/07/2011	04:50:37	3117	0.0	8.36	1.6			
07/07/2011	04:51:07	2942	0.0	8.36	1.6			
07/07/2011	04:51:37	2923	0.0	8.36	1.6			
07/07/2011	04:52:07	11	0.0	8.36	1.6			
07/07/2011	04:52:37	25	0.0	8.36	1.6			
07/07/2011	04:53:07	119	3.5	8.36	2.5			
07/07/2011	04:53:19	127	3.5	8.36	3.2	Pressure Test Lines		

Well Daybreak Federal 19-6D 19-16D			Field S. Parachute		Job Start Jul/07/2011	Customer Encana Oil & Gas	Job Number 569301
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/07/2011	04:53:37	119	3.5	8.36	4.3		
07/07/2011	04:53:57	133	3.5	8.36	5.4	Start Pumping Spacer	
07/07/2011	04:53:58	114	3.5	8.36	5.5	Pump 20bbl h2O	
07/07/2011	04:53:59	110	3.5	8.36	5.5	Good Returns	
07/07/2011	04:54:07	128	3.5	8.36	6.0		
07/07/2011	04:54:37	129	3.5	8.36	7.8		
07/07/2011	04:55:07	130	3.5	8.36	9.5		
07/07/2011	04:55:37	126	3.5	8.36	11.3		
07/07/2011	04:56:07	102	3.5	8.36	13.1		
07/07/2011	04:56:37	113	3.5	8.36	14.8		
07/07/2011	04:57:07	205	5.0	8.36	17.0		
07/07/2011	04:57:37	194	5.0	8.35	19.5		
07/07/2011	04:57:43	204	5.0	8.35	20.1	End Spacer	
07/07/2011	04:57:50	182	5.0	8.35	20.6	Start Cement Slurry	
07/07/2011	04:58:07	262	5.0	12.54	22.1	Start Mixing Lead Slurry	
07/07/2011	04:58:16	284	5.0	12.54	22.8	Pump 251sk (94bbl) 12.5 Lead	
07/07/2011	04:58:17	294	5.0	12.54	22.9	Wet Dry Samples Taken	
07/07/2011	04:58:37	419	6.1	12.55	24.6		
07/07/2011	04:59:07	405	6.4	12.52	27.8		
07/07/2011	04:59:37	433	6.5	12.53	31.0		
07/07/2011	05:00:07	383	6.4	12.53	34.3		
07/07/2011	05:00:37	390	6.4	12.51	37.5		
07/07/2011	05:01:07	385	6.5	12.50	40.7		
07/07/2011	05:01:37	387	6.4	12.50	43.9		
07/07/2011	05:02:07	377	6.5	12.49	47.1		
07/07/2011	05:02:37	371	6.4	12.49	50.4		
07/07/2011	05:03:07	384	6.4	12.49	53.6		
07/07/2011	05:03:37	362	6.4	12.51	56.8		
07/07/2011	05:04:07	381	6.4	12.52	60.0		
07/07/2011	05:04:37	367	6.5	12.52	63.2		
07/07/2011	05:05:07	372	6.4	12.52	66.5		
07/07/2011	05:05:37	377	6.4	12.51	69.7		
07/07/2011	05:06:07	379	6.5	12.50	72.9		
07/07/2011	05:06:37	397	6.5	12.47	76.1		
07/07/2011	05:07:07	360	6.5	12.48	79.4		
07/07/2011	05:07:37	368	6.4	12.47	82.6		
07/07/2011	05:08:07	373	6.4	12.47	85.8		
07/07/2011	05:08:37	395	6.4	12.48	89.0		
07/07/2011	05:09:07	376	6.5	12.47	92.2		
07/07/2011	05:09:37	380	6.4	12.49	95.5		
07/07/2011	05:10:07	406	6.4	12.50	98.7		
07/07/2011	05:10:37	401	6.5	12.53	101.9		
07/07/2011	05:11:07	392	6.5	12.50	105.1		
07/07/2011	05:11:37	235	5.0	12.50	107.7		
07/07/2011	05:12:06	240	5.0	12.48	110.2	End Lead Slurry	
07/07/2011	05:12:07	237	5.0	12.48	110.3		
07/07/2011	05:12:37	126	3.6	12.38	112.4		
07/07/2011	05:13:07	146	3.6	14.04	114.2		
07/07/2011	05:13:37	155	3.6	14.85	115.9		
07/07/2011	05:14:07	170	3.5	15.20	117.7		
07/07/2011	05:14:22	186	3.5	15.31	118.6	Start Mixing Tail Slurry	
07/07/2011	05:14:28	193	3.5	15.30	118.9	Pump 149sks (31bbl) 15.8 Tail	
07/07/2011	05:14:29	170	3.5	15.30	119.0	Measured Density = Good	
07/07/2011	05:14:37	183	3.6	15.32	119.5		

Well Daybreak Federal 19-6D 19-16D			Field S. Parachute		Job Start Jul/07/2011	Customer Encana Oil & Gas	Job Number 569301
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/07/2011	05:15:37	202	3.5	15.64	123.0		
07/07/2011	05:16:07	190	3.5	15.78	124.8		
07/07/2011	05:16:37	189	3.5	15.85	126.5		
07/07/2011	05:17:07	211	3.5	15.87	128.3		
07/07/2011	05:17:37	180	3.5	15.95	130.0		
07/07/2011	05:18:07	201	3.5	15.93	131.7		
07/07/2011	05:18:37	201	3.5	15.93	133.5		
07/07/2011	05:19:07	175	3.5	15.89	135.2		
07/07/2011	05:19:37	161	3.4	15.86	136.9		
07/07/2011	05:20:07	244	3.4	15.85	138.6		
07/07/2011	05:20:37	274	3.4	15.79	140.3		
07/07/2011	05:21:07	225	3.4	15.72	142.0		
07/07/2011	05:21:37	129	3.3	15.76	143.7		
07/07/2011	05:22:07	183	3.4	15.74	145.4		
07/07/2011	05:22:26	178	3.4	15.73	146.5	End Tail Slurry	
07/07/2011	05:22:27	169	3.4	15.73	146.5	End Cement Slurry	
07/07/2011	05:22:28	169	3.3	15.73	146.6	Remark	
07/07/2011	05:22:29	231	3.4	15.73	146.6	Drop Top Plug	
07/07/2011	05:22:30	180	3.4	15.73	146.7	Start Displacement	
07/07/2011	05:22:37	195	3.4	15.73	147.1		
07/07/2011	05:23:07	29	0.0	15.77	148.1		
07/07/2011	05:23:37	25	0.0	15.76	148.1		
07/07/2011	05:24:07	25	0.0	15.75	148.1		
07/07/2011	05:24:37	25	0.0	15.75	148.1		
07/07/2011	05:25:07	22	0.0	15.75	148.1		
07/07/2011	05:25:37	24	0.0	15.74	148.1		
07/07/2011	05:26:07	21	0.0	15.76	148.1		
07/07/2011	05:26:37	114	1.4	12.13	148.2		
07/07/2011	05:27:07	86	2.2	8.61	149.1		
07/07/2011	05:27:37	190	4.8	9.59	150.9		
07/07/2011	05:28:07	275	6.3	9.58	153.5		
07/07/2011	05:28:37	272	6.4	9.50	156.7		
07/07/2011	05:29:07	233	6.5	8.47	159.9		
07/07/2011	05:29:37	234	6.4	8.39	163.1		
07/07/2011	05:29:44	248	6.4	8.38	163.9	Displace 92bbl H2O	
07/07/2011	05:30:01	239	6.5	8.37	165.7	Good Returns	
07/07/2011	05:30:07	229	6.4	8.39	166.3		
07/07/2011	05:30:37	229	6.5	8.36	169.6		
07/07/2011	05:31:07	228	6.4	8.33	172.7		
07/07/2011	05:31:37	239	6.4	8.33	176.0		
07/07/2011	05:32:07	276	6.5	8.35	179.2		
07/07/2011	05:32:37	284	6.4	8.35	182.4		
07/07/2011	05:33:07	320	6.4	8.36	185.6		
07/07/2011	05:33:22	293	6.4	8.36	187.2	Cement to Surface @ 40bbl away	
07/07/2011	05:33:37	307	6.4	8.36	188.8		
07/07/2011	05:34:07	300	6.4	8.35	192.0		
07/07/2011	05:34:37	315	6.4	8.36	195.3		
07/07/2011	05:35:37	371	6.1	8.35	201.6		
07/07/2011	05:35:55	352	6.4	8.35	203.5	Pressure Increase / Sporadic Returns	
07/07/2011	05:36:07	381	6.4	8.36	204.7		
07/07/2011	05:36:37	383	6.2	8.36	207.8		
07/07/2011	05:37:07	374	6.1	8.35	211.0		
07/07/2011	05:37:37	399	6.4	8.36	214.1		
07/07/2011	05:38:07	453	6.2	8.36	217.2		

Well Daybreak Federal 19-6D 19-16D			Field S. Parachute		Job Start Jul/07/2011	Customer Encana Oil & Gas	Job Number 569301
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/07/2011	05:39:07	416	4.6	8.36	222.8		
07/07/2011	05:39:37	673	4.6	8.36	225.0		
07/07/2011	05:40:07	746	1.9	8.36	226.9		
07/07/2011	05:40:37	787	0.9	8.36	227.5		
07/07/2011	05:41:07	459	1.0	8.36	228.0		
07/07/2011	05:41:37	733	0.9	8.35	228.5		
07/07/2011	05:42:07	526	0.9	8.35	229.0		
07/07/2011	05:42:37	313	0.9	8.35	229.4		
07/07/2011	05:43:07	324	0.9	8.35	229.9		
07/07/2011	05:43:37	583	0.9	8.35	230.4		
07/07/2011	05:44:07	439	0.9	8.35	230.8		
07/07/2011	05:44:37	646	0.9	8.36	231.3		
07/07/2011	05:45:07	534	1.0	8.35	231.8		
07/07/2011	05:45:37	384	1.0	8.35	232.3		
07/07/2011	05:46:07	294	0.9	8.35	232.7		
07/07/2011	05:46:37	476	0.9	8.35	233.2		
07/07/2011	05:47:07	310	0.9	8.35	233.7		
07/07/2011	05:47:37	328	0.9	8.35	234.1		
07/07/2011	05:48:07	318	1.0	8.35	234.6		
07/07/2011	05:48:37	395	0.9	8.35	235.1		
07/07/2011	05:49:07	487	0.9	8.35	235.5		
07/07/2011	05:49:37	493	0.9	8.35	236.0		
07/07/2011	05:50:07	597	0.9	8.35	236.5		
07/07/2011	05:50:37	333	0.9	8.35	237.0		
07/07/2011	05:51:07	334	0.9	8.36	237.4		
07/07/2011	05:52:07	341	0.9	8.36	238.4		
07/07/2011	05:52:37	399	1.5	8.35	238.9		
07/07/2011	05:53:07	394	1.9	8.36	239.8		
07/07/2011	05:53:37	494	1.9	8.36	240.8		
07/07/2011	05:54:07	477	1.9	8.36	241.8		
07/07/2011	05:54:37	1671	0.0	8.36	242.5		
07/07/2011	05:54:46	1654	0.0	8.36	242.5	Bump Top Plug	
07/07/2011	05:54:48	1661	0.0	8.36	242.5	Hold Pressure for 10 Min.	
07/07/2011	05:55:07	1654	0.0	8.36	242.5		
07/07/2011	05:55:37	1649	0.0	8.36	242.5		
07/07/2011	05:56:07	1647	0.0	8.36	242.5		
07/07/2011	05:56:37	1644	0.0	8.36	242.5		
07/07/2011	05:57:07	1642	0.0	8.36	242.5		
07/07/2011	05:57:37	1640	0.0	8.36	242.5		
07/07/2011	05:58:07	1637	0.0	8.36	242.5		
07/07/2011	05:58:37	1635	0.0	8.36	242.5		
07/07/2011	05:59:07	1633	0.0	8.36	242.5		
07/07/2011	05:59:37	1630	0.0	8.36	242.5		
07/07/2011	06:00:07	1627	0.0	8.36	242.5		
07/07/2011	06:00:37	1625	0.0	8.36	242.5		
07/07/2011	06:01:07	1622	0.0	8.36	242.5		
07/07/2011	06:01:37	1620	0.0	8.36	242.5		
07/07/2011	06:02:07	1617	0.0	8.36	242.5		
07/07/2011	06:02:37	1615	0.0	8.36	242.5		
07/07/2011	06:03:07	1613	0.0	8.36	242.5		
07/07/2011	06:03:37	1610	0.0	8.36	242.5		
07/07/2011	06:04:07	1608	0.0	8.36	242.5		
07/07/2011	06:04:37	1606	0.0	8.36	242.5		
07/07/2011	06:05:07	1603	0.0	8.36	242.5		

Well Daybreak Federal 19-6D 19-16D			Field S. Parachute		Job Start Jul/07/2011	Customer Encana Oil & Gas		Job Number 569301	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/07/2011	06:05:44	30	0.0	8.36	242.5	Float Held / .5bbl back			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 4.1	N2	Mud 0.0	Maximum Rate 6.5		Total Slurry 125.0	Mud 0.0	Spacer 20.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 3174	Final 13	Average 513	Bump Plug to 1600	Breakdown	Type FreshWater		Volume 300.0 bbl		Density 8.34 lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 125.0 bbl		Displacement 92.0 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 50.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Robert Tate				Schlumberger Supervisor B. Farnham				Circulation Lost <input checked="" type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-