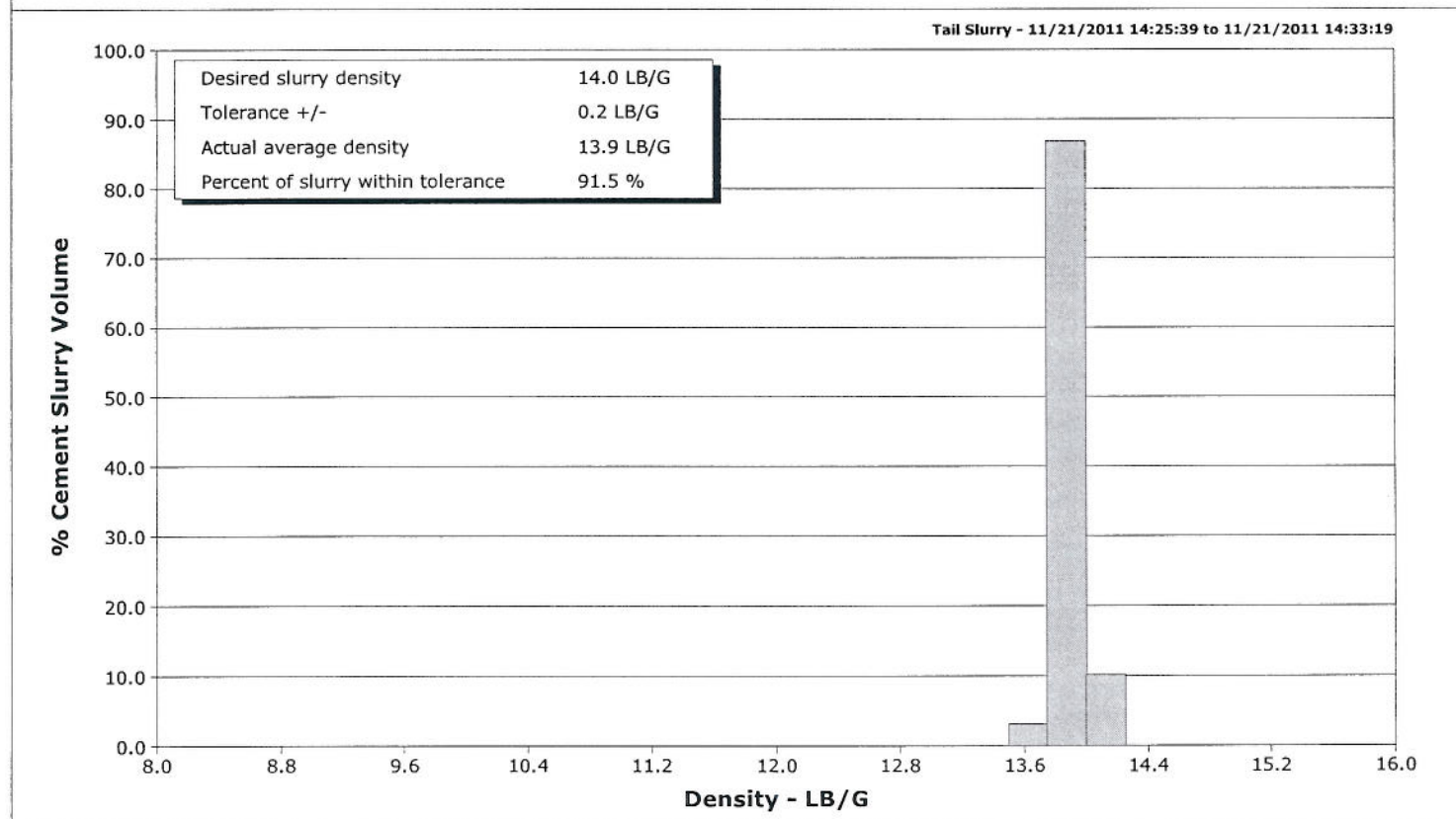
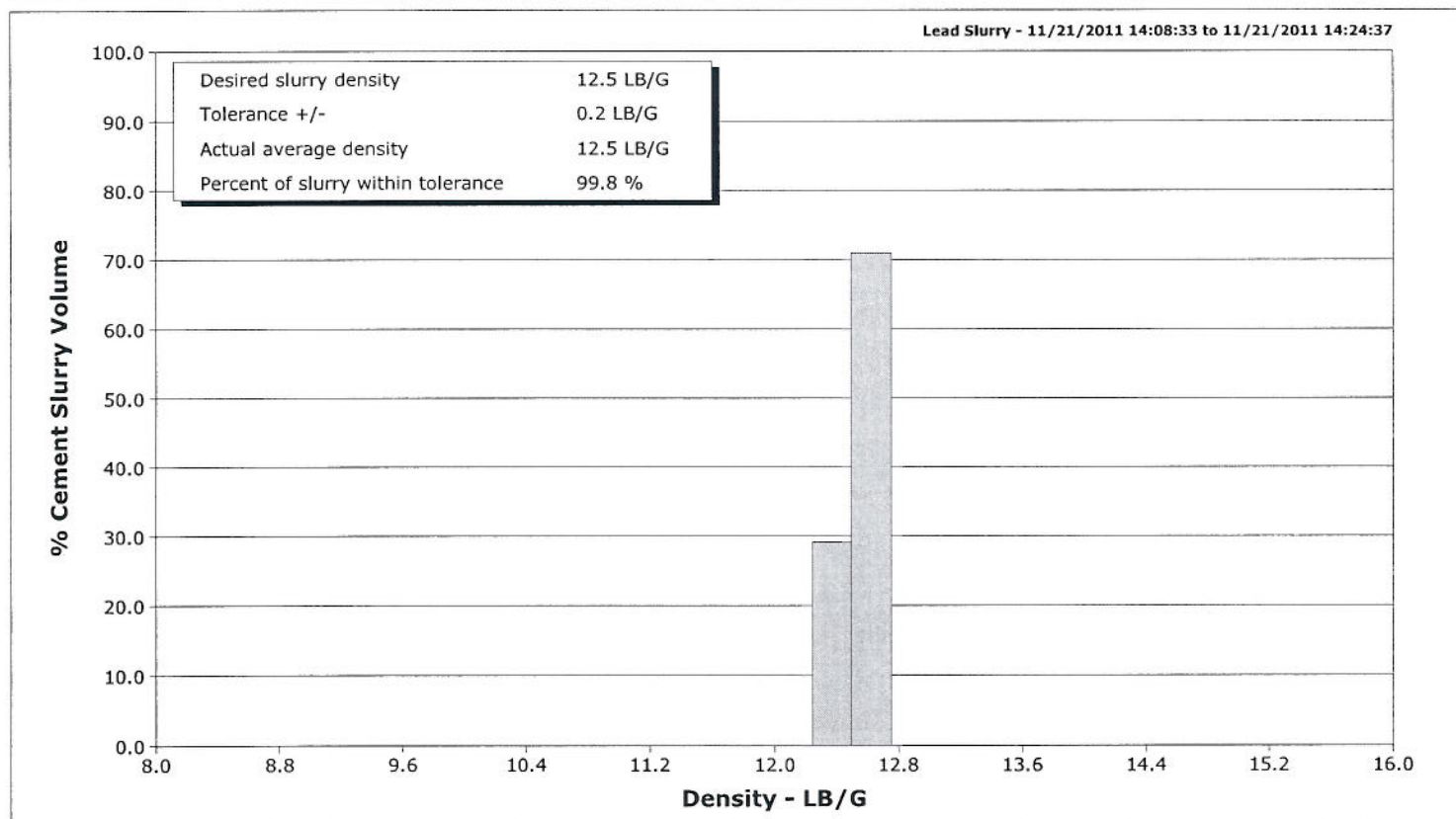


Well Field Engineer Country		Parachute North, EF01F-34 P North Parachute RYAN BOWDITCH United States		Client SIR No. Job Type Job Date		Encana BUNM-00475 9 5/8 Surface 11-21-2011	
Time	Pressure	Rate	Density	Messages			
11/21/2011 13:26:43							
13:26:43				Rig up Per std 5 Varrity Rates Hold Safety Meeting Remark Pressure Test Lines 500 psi Test = Good			
13:37:00							
13:47:00							
13:57:00				Reset Total, Vol = 13.85 bbl Pressure Bled Off Retest Lines 3000 psi test = Good Start Pumping Spacer Pump 20 bbls of Water Good Returns End Spacer Start Cement Slurry Start Mixing Scav Slurry End Scavenger Slurry Start Mixing Lead Slurry Reset Total, Vol = 23.82 bbl Good Returns Take Wet/Dry samples Pressure scale = 12.6 End Lead Slurry Start Mixing Tail Slurry Good Returns Take Wet/Dry Samples Pressure sScale = 14.0 ppg End Tail Slurry End Cement Slurry Drop Top Plug Start Displacement Reset Total, Vol = 148.24 bbl Good Returns			
14:07:00							
14:17:00							
14:27:00				22 BBLs of Cement Back to Surface Bump Top Plug End Displacement Bump Plug to 1100 psi Hold For 5 min. Floats Held 1/4 bbl Back			
14:47:00							
14:57:00							
15:07:00							
15:18:48							
hh:mm:ss	PSI	B/M	LB/G				
11/21/2011 15:18:48							

Well	Parachute North, EF01F-34 P	Client	Encana
Field	North Parachute	SIR No.	BUNM-00475
Engineer	RYAN BOWDITCH	Job Type	9 5/8 Surface
Country	United States	Job Date	11-21-2011



				Customer Encana				Job Number BUNM-00475									
Well Parachute North, EF01F-34 P 0631244199				Location (legal) EFP 27				Schlumberger Location				Job Start Nov/21/2011					
Field North Parachute		Formation Name/Type Shale		Deviation deg		Bit Size 12.3 in		Well MD 1829.0 ft		Well TVD 1829.0 ft							
County Garfield		State/Province Colorado		BHP psi		BHST 100 degF		BHCT 87 degF		Pore Press. Gradient lb/gal							
Well MasPARACHUTE NORTH EF01		API/UWI															
Rig Name PATTERSON 303		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		N/A		N/A			
						1829.0		9.6		36.0		J55					
Drilling Fluid Type Bentonite		Max. Density 9.50 lb/gal		Plastic Viscosity 23.000 cP		Tubing/Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type 9 5/8 Surface				1829.0		0.0		0.0							
						0.0		0.0		0.0							
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press 500 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 138.0 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. 0.0 bbl		Casing Vol. 142.0 bbl		Annular Vol. 112.0 bbl		Openhole Vol. 263.0 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 907 psi				Shoe Type Float				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1829.0 ft				Tool Type									
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth ft							
Cement Head Type				Stage Tool Depth ft				Tail Pipe Size in									
Job Scheduled For Nov/21/2011 11:00		Arrived on Location Nov/21/2011 11:00		Leave Location Nov/21/2011 16:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 1784.0 ft				Sgz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message										
11/21/2011	13:26:43	-6	0.1	8.37	1.4	0	Started Acquisition										
11/21/2011	13:26:44	-6	0.1	8.37	1.4	0	Rig up Per std 5										
11/21/2011	13:26:45	-6	0.1	8.37	1.4	0	Hold Safty Meeting										
11/21/2011	13:26:53	-6	0.1	8.37	1.5	0	Pressure Test Lines										
11/21/2011	13:28:23	-6	0.1	8.37	1.5	0											
11/21/2011	13:30:03	-6	0.0	8.38	1.6	0											
11/21/2011	13:31:43	-8	0.0	8.38	1.7	0											
11/21/2011	13:35:03	-8	0.0	8.38	1.7	0											
11/21/2011	13:36:43	49	1.8	8.36	1.1	0											
11/21/2011	13:38:23	1286	0.0	8.36	2.0	0											
11/21/2011	13:40:03	2307	0.0	8.36	2.0	0											
11/21/2011	13:41:43	3819	0.0	8.36	2.0	0											
11/21/2011	13:43:23	3438	0.0	8.36	2.0	0											
11/21/2011	13:45:03	3074	0.0	8.36	2.0	0											
11/21/2011	13:46:43	2673	0.0	8.37	2.0	0											
11/21/2011	13:48:23	2660	0.0	8.37	2.0	0											
11/21/2011	13:50:03	2237	0.0	8.37	2.0	0											
11/21/2011	13:51:43	-4	0.0	8.37	2.0	0											
11/21/2011	13:53:23	302	6.9	8.36	9.4	0											
11/21/2011	13:55:03	-3	0.0	8.36	0.0	0											
11/21/2011	13:56:43	46	1.0	8.36	0.6	0											

Well			Field		Job Start		Customer	Job Number
Parachute North, EF01F-34 P 0631244199			North Parachute		Nov/21/2011		Encana	BUNM-00475
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
11/21/2011	13:57:31	48	1.5	8.36	1.6	0	Pressure Bled Off	
11/21/2011	13:57:32	48	1.5	8.36	1.7	0	Retest Lines	
11/21/2011	13:58:23	3083	0.0	8.36	2.0	0		
11/21/2011	14:00:03	9	0.0	8.36	2.2	0		
11/21/2011	14:01:43	108	3.5	8.36	5.5	0		
11/21/2011	14:03:23	12	0.3	8.36	7.1	0		
11/21/2011	14:04:31	102	3.5	8.34	10.1	0	3000 psi test = Good	
11/21/2011	14:05:03	95	3.5	8.34	11.9	0		
11/21/2011	14:05:28	129	3.5	8.35	13.4	0	Start Pumping Spacer	
11/21/2011	14:05:33	126	3.5	8.34	13.7	0	Pump 20 bbls of Water	
11/21/2011	14:05:47	138	3.5	8.34	14.5	0	Good Returns	
11/21/2011	14:06:43	135	3.5	8.34	17.8	0		
11/21/2011	14:07:39	116	3.7	11.84	21.1	35	End Spacer	
11/21/2011	14:07:41	121	3.7	12.07	21.2	35	Start Cement Slurry	
11/21/2011	14:07:45	106	3.6	12.49	21.5	35	Start Mixing Scav Slurry	
11/21/2011	14:08:23	157	3.6	12.35	23.7	35		
11/21/2011	14:08:32	177	3.6	12.41	24.3	35	End Scavenger Slurry	
11/21/2011	14:08:33	171	3.6	12.41	24.3	35	Start Mixing Lead Slurry	
11/21/2011	14:08:47	130	3.6	12.47	25.2	35	Reset Total, Vol = 23.82 bbl	
11/21/2011	14:08:51	127	3.6	12.47	25.4	35	Good Returns	
11/21/2011	14:08:52	132	3.6	12.47	25.5	35	Take Wet/Dry samples	
11/21/2011	14:10:03	191	5.1	12.41	30.9	32		
11/21/2011	14:11:43	189	5.2	12.47	39.5	30		
11/21/2011	14:13:23	263	6.6	12.52	49.1	29		
11/21/2011	14:15:03	213	6.6	12.54	60.1	30		
11/21/2011	14:16:43	199	6.6	12.55	71.1	30		
11/21/2011	14:18:23	212	6.6	12.57	82.1	30		
11/21/2011	14:20:03	211	6.6	12.59	93.2	29		
11/21/2011	14:21:43	213	6.6	12.59	104.2	29		
11/21/2011	14:23:23	204	6.6	12.47	115.2	30		
11/21/2011	14:24:37	129	5.2	12.40	122.9	27	End Lead Slurry	
11/21/2011	14:25:03	142	5.2	13.59	125.2	29		
11/21/2011	14:25:39	212	5.2	13.89	128.3	31	Start Mixing Tail Slurry	
11/21/2011	14:25:41	200	5.2	13.88	128.5	31	Good Returns	
11/21/2011	14:26:43	213	5.2	13.91	133.8	34		
11/21/2011	14:28:23	187	5.2	13.95	142.5	37		
11/21/2011	14:30:03	270	6.6	13.90	151.5	37		
11/21/2011	14:31:43	245	6.6	13.81	162.5	36		
11/21/2011	14:33:19	118	6.4	13.72	173.0	55	End Tail Slurry	
11/21/2011	14:33:20	118	5.1	13.67	173.1	58	End Cement Slurry	
11/21/2011	14:33:21	40	5.1	13.67	173.2	58	Drop Top Plug	
11/21/2011	14:33:22	15	3.5	13.63	173.3	61	Start Displacement	
11/21/2011	14:33:23	15	3.5	13.63	173.4	61		
11/21/2011	14:33:24	8	2.2	13.59	173.4	0	Reset Total, Vol = 148.24 bbl	
11/21/2011	14:35:03	-2	0.0	13.54	173.6	0		
11/21/2011	14:36:43	-7	0.0	13.60	173.6	0		
11/21/2011	14:38:23	55	3.9	9.43	176.8	17		
11/21/2011	14:40:03	42	3.7	8.70	182.9	15		
11/21/2011	14:41:43	73	5.1	8.49	190.1	9		
11/21/2011	14:42:30	81	5.1	8.44	194.1	13	Good Returns	
11/21/2011	14:43:23	132	6.5	8.35	199.6	5		
11/21/2011	14:45:03	129	6.5	8.34	210.4	10		
11/21/2011	14:46:43	138	6.4	8.34	221.1	3		
11/21/2011	14:48:23	134	6.5	8.33	231.8	10		

Well			Field		Job Start		Customer		Job Number
Parachute North, EF01F-34 P 0631244199			North Parachute		Nov/21/2011		Encana		BUNM-00475
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
11/21/2011	14:51:43	289	6.3	8.33	253.2	16			
11/21/2011	14:53:23	352	6.3	8.34	263.8	0			
11/21/2011	14:55:03	383	6.3	8.34	274.3	0			
11/21/2011	14:56:43	513	6.3	8.34	284.8	0			
11/21/2011	14:58:23	553	6.3	8.34	295.4	0			
11/21/2011	15:00:03	583	6.3	8.34	305.9	0			
11/21/2011	15:00:55	497	3.9	8.34	310.1	0	22 BBLS of Cement Back to Surface		
11/21/2011	15:01:43	507	3.9	8.34	313.2	0			
11/21/2011	15:03:23	540	2.5	8.34	319.4	0			
11/21/2011	15:04:11	1163	0.0	8.34	320.9	0	Bump Top Plug		
11/21/2011	15:04:12	1163	0.0	8.34	320.9	0	End Displacement		
11/21/2011	15:04:15	1163	0.0	8.34	320.9	0	Bump Plug to 1100 psi		
11/21/2011	15:04:16	1163	0.0	8.34	320.9	0	Floats Held 1/4 bbl Back		
11/21/2011	15:05:03	1159	0.0	8.34	320.9	0			
11/21/2011	15:06:43	1153	0.0	8.34	320.9	0			
11/21/2011	15:08:23	1146	0.0	8.34	320.9	0			
11/21/2011	15:10:03	1139	0.0	8.35	320.9	0			
11/21/2011	15:11:43	-11	0.0	8.35	320.9	0			
11/21/2011	15:13:23	-10	0.0	8.35	320.9	0			
11/21/2011	15:15:03	-12	0.0	8.35	320.9	0			
11/21/2011	15:16:43	259	0.0	8.35	320.9	0			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl					
Slurry 4.7	N2	Mud	Maximum Rate 10.6	Total Slurry 320.6	Mud 0.0	Spacer 7.7	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 4241	Final -6	Average 668	Bump Plug to 1100	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %	Designed Slurry Volume 147.0 bbl		Displacement 147.6 bbl	Mix Water Temp 82 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 22.0 bbl			
					Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative Floyd Roberts			Schlumberger Supervisor RYAN BOWDITCH			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
						-	-		