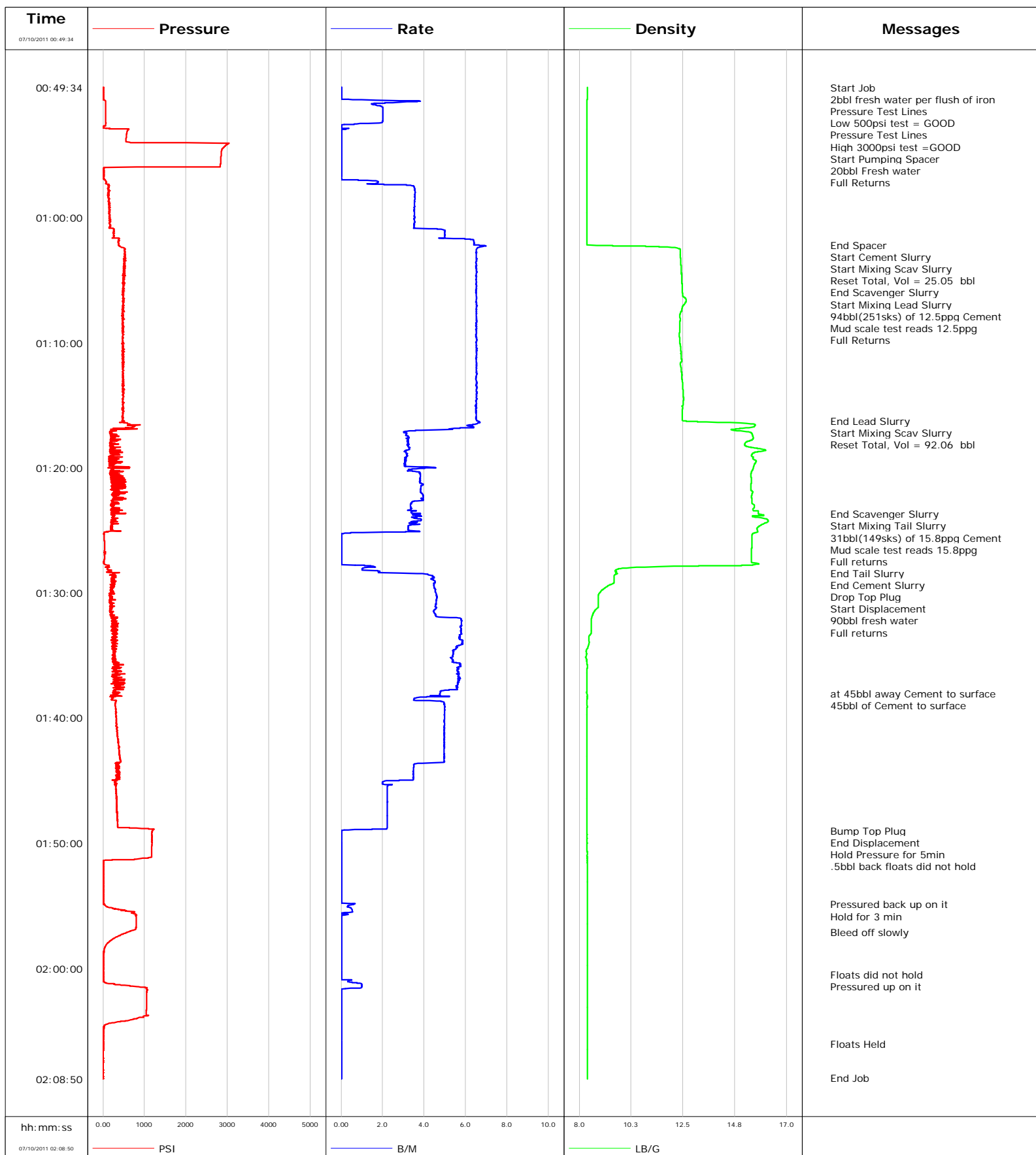


Well DAYBREAK FEDERAL 19-5
Field Mamm Creek
Engineer Dustin C Krueger
Country United States

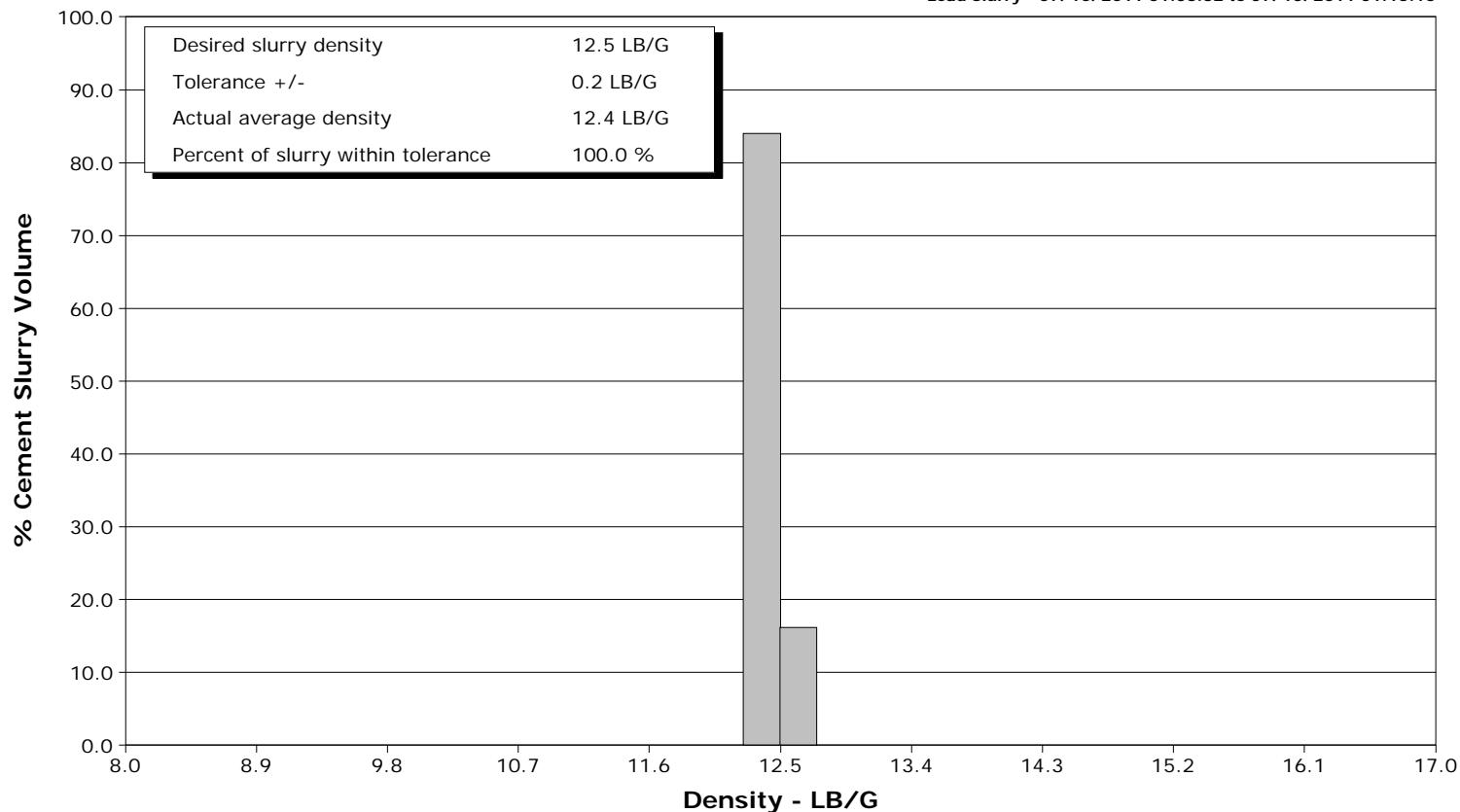
Client Encana Oil Gas
SIR No. 000569298
Job Type 9 5/8 SURFACE
Job Date 07--2011



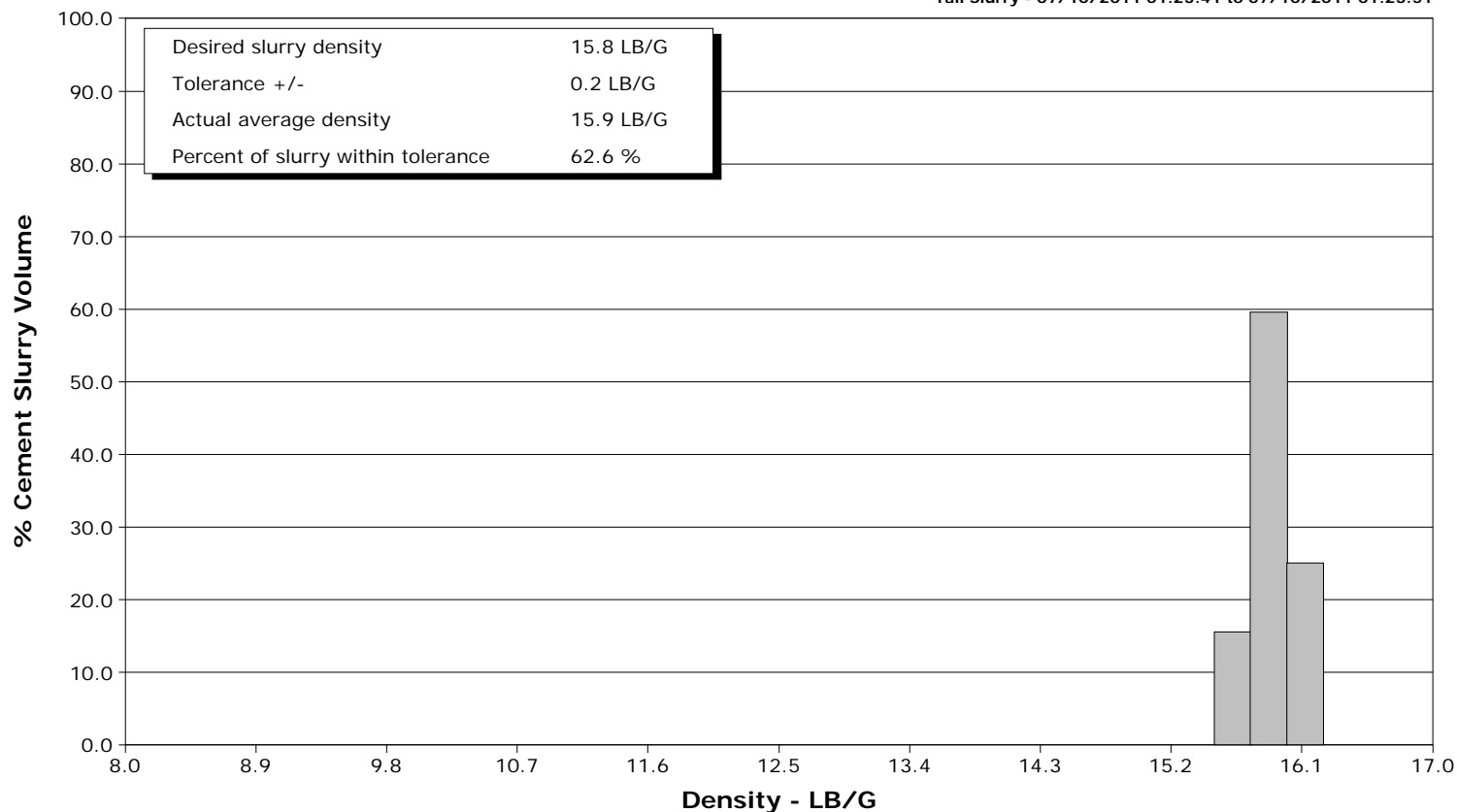
Well DAYBREAK FEDERAL 19-5
Field Mamm Creek
Engineer Dustin C Krueger
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Client Encana Oil Gas
SIR No. 000569298
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Job Date 07--2011

Lead Slurry - 07/10/2011 01:03:32 to 07/10/2011 01:16:15



Tail Slurry - 07/10/2011 01:23:41 to 07/10/2011 01:23:51



Cementing Service Report

				Customer Encana Oil & Gas			Job Number 000569298				
Well DAYBREAK FEDERAL 19-5 DAYBREAK FEDERAL 19-5			Location (legal) Nabors M-15			Schlumberger Location GRAND JUNCTION			Job Start Jul/09/2011		
Field Mamm Creek		Formation Name/Type Shale		Deviation 15 deg		Bit Size 12.3 in		Well MD 1204.0 ft		Well TVD 1204.0 ft	
County Garfield		State/Province Colorado		BHP psi		BHST 95 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master 0631280358		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 New Well Completion		40.0		16.0		65.0	
						1204.0		9.6		36.0	
										K-55	
										8RD	
Drilling Fluid Type Bentonite		Max. Density 9.50 lb/gal		Plastic Viscosity 20.000 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 500 psi		WH Connection Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 89.7 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 93.1 bbl		Annular Vol. 70.0 bbl	
										Openhole Vol. 167.0 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 296 psi				Shoe Type Guide				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1204.0 ft				Tool Type			
No. Centralizers		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 Jul/09/2011 22:00		Arrived on Location Jul/09/2011 22:00		Leave Location Jul/10/2011 02:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1160.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
07/10/2011	00:49:34	1	0.0	8.35	1.8	Started Acquisition					
07/10/2011	00:49:35	2	0.0	8.35	1.8	Start Job					
07/10/2011	00:49:37	1	0.0	8.35	1.8	2bbl fresh water per flush of iron					
07/10/2011	00:49:41	1	0.0	8.35	1.8	Pressure Test Lines					
07/10/2011	00:49:43	2	0.0	8.35	1.8	Low 500psi test = GOOD					
07/10/2011	00:49:45	1	0.0	8.35	1.8	Pressure Test Lines					
07/10/2011	00:49:47	2	0.0	8.35	1.8	High 3000psi test =GOOD					
07/10/2011	00:49:51	1	0.0	8.35	1.8	Start Pumping Spacer					
07/10/2011	00:49:53	1	0.0	8.35	1.8	20bbl Fresh water					
07/10/2011	00:52:04	65	0.0	8.34	5.0						
07/10/2011	00:54:34	2861	0.0	8.34	5.9						
07/10/2011	00:57:04	67	0.0	8.34	0.1						
07/10/2011	00:59:34	165	4.7	8.34	8.4						
07/10/2011	01:02:04	385	4.8	8.34	19.5						
07/10/2011	01:02:10	370	4.8	8.34	20.1	End Spacer					
07/10/2011	01:02:12	388	4.8	8.41	20.4	Start Cement Slurry					
07/10/2011	01:02:13	388	4.8	8.77	20.5	Start Mixing Scav Slurry					
07/10/2011	01:02:18	411	4.8	10.87	21.0	Reset Total, Vol = 25.05 bbl					
07/10/2011	01:03:30	510	4.8	12.40	28.9	End Scavenger Slurry					
07/10/2011	01:03:32	506	4.7	12.40	29.1	Start Mixing Lead Slurry					
07/10/2011	01:03:34	530	4.7	12.41	29.3	94bbl(251sks) of 12.5ppg Cement					

Well			Field		Job Start		Customer		Job Number	
DAYBREAK FEDERAL 19-5 DAYBREAK FEDERAL 19-5			Mamm Creek		Jul/09/2011		Encana Oil & Gas		000569298	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
07/10/2011	01:04:34	482	4.8	12.44	35.8					
07/10/2011	01:07:04	478	4.8	12.50	52.1					
07/10/2011	01:09:34	479	4.8	12.35	68.4					
07/10/2011	01:12:04	480	4.8	12.43	84.7					
07/10/2011	01:14:34	474	4.7	12.52	101.0					
07/10/2011	01:16:15	513	4.3	12.63	112.0	End Lead Slurry				
07/10/2011	01:16:17	470	4.3	12.83	112.2	Start Mixing Scav Slurry				
07/10/2011	01:16:25	586	4.2	14.95	113.1	Reset Total, Vol = 92.06 bbl				
07/10/2011	01:17:04	178	4.5	15.14	116.8					
07/10/2011	01:19:34	145	4.5	15.65	124.7					
07/10/2011	01:22:04	232	4.2	15.49	134.0					
07/10/2011	01:23:40	525	4.0	15.78	139.7	End Scavenger Slurry				
07/10/2011	01:23:41	192	4.0	15.80	139.8	Start Mixing Tail Slurry				
07/10/2011	01:23:44	225	4.0	15.94	140.0	31bbl(149sks) of 15.8ppg Cement				
07/10/2011	01:23:45	225	2.4	15.94	140.0	Mud scale test reads 15.8ppg				
07/10/2011	01:23:51	229	0.1	15.51	140.4	End Tail Slurry				
07/10/2011	01:24:01	365	0.0	15.98	141.0	End Cement Slurry				
07/10/2011	01:24:04	286	0.0	16.11	141.2	Drop Top Plug				
07/10/2011	01:24:06	279	0.0	16.14	141.3	Start Displacement				
07/10/2011	01:24:08	272	0.0	16.16	141.4	90bbl fresh water				
07/10/2011	01:24:09	199	0.0	16.17	141.5	Full returns				
07/10/2011	01:24:34	209	0.0	15.90	143.0					
07/10/2011	01:27:04	45	4.5	15.47	145.0					
07/10/2011	01:29:34	173	4.8	9.15	151.0					
07/10/2011	01:32:04	315	4.9	8.53	162.5					
07/10/2011	01:34:34	262	4.9	8.31	176.9					
07/10/2011	01:37:04	305	4.9	8.34	190.7					
07/10/2011	01:38:03	371	4.9	8.34	196.0	at 45bbl away Cement to surface				
07/10/2011	01:38:04	241	4.9	8.34	196.1	45bbl of Cement to surface				
07/10/2011	01:39:34	313	0.0	8.34	203.1					
07/10/2011	01:42:04	379	0.0	8.34	215.5					
07/10/2011	01:44:34	394	0.0	8.34	226.5					
07/10/2011	01:47:04	331	0.0	8.34	232.5					
07/10/2011	01:48:59	1196	0.0	8.34	236.6	Bump Top Plug				
07/10/2011	01:49:00	1196	0.0	8.34	236.6	End Displacement				
07/10/2011	01:49:08	1179	0.0	8.34	236.6	Hold Pressure for 5min				
07/10/2011	01:49:34	1182	0.0	8.34	236.6					
07/10/2011	01:52:04	2	0.0	8.34	236.6					
07/10/2011	01:54:34	2	0.0	8.34	236.6					
07/10/2011	01:54:53	8	0.0	8.34	236.6	Pressured back up on it				
07/10/2011	01:55:49	803	0.0	8.34	237.0	Hold for 3 min				
07/10/2011	01:57:04	629	0.0	8.34	237.0					
07/10/2011	01:57:07	592	0.0	8.34	237.0	Bleed off slowly				
07/10/2011	01:59:34	1	0.0	8.34	237.0					
07/10/2011	02:00:29	2	0.0	8.34	237.0	Floats did not hold				
07/10/2011	02:01:06	38	0.0	8.34	237.1	Pressured up on it				
07/10/2011	02:02:04	1056	0.0	8.34	237.5					
07/10/2011	02:04:34	35	0.0	8.34	237.5					
07/10/2011	02:06:02	2	0.0	8.34	237.5	Floats Held				
07/10/2011	02:07:04	0	0.0	8.34	237.5					

Well DAYBREAK FEDERAL 19-5 DAYBREAK FEDERAL 19-5	Field Mamm Creek	Job Start Jul/09/2011	Customer Encana Oil & Gas	Job Number 000569298
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.5	N2	Mud	Maximum Rate 7.0	Total Slurry 241.5	Mud 0.0	Spacer 24.1	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3039	Final -0	Average 398	Bump Plug to 1150	Breakdown	Type FreshWater	Volume 281.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 125.0 bbl	Displacement 95.4 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 45.0 bbl			
				Washed Thru Perfs <input type="checkbox"/>	To ft			
Customer or Authorized Representative Robert Tate		Schlumberger Supervisor Dustin C Krueger			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		