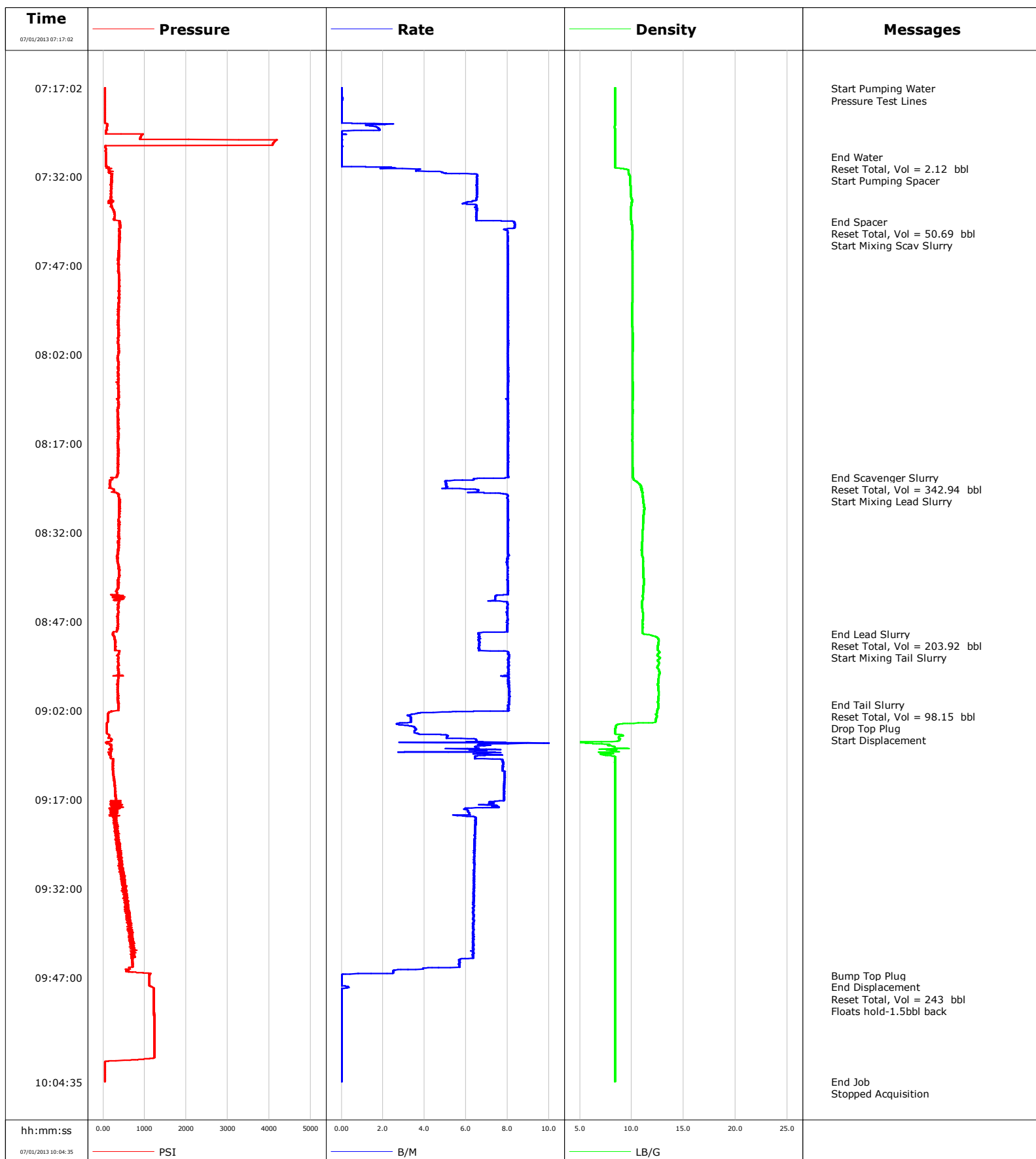


Well SGU 8504C-24
Field Wild Cat
Engineer Michael Simon
Country United States

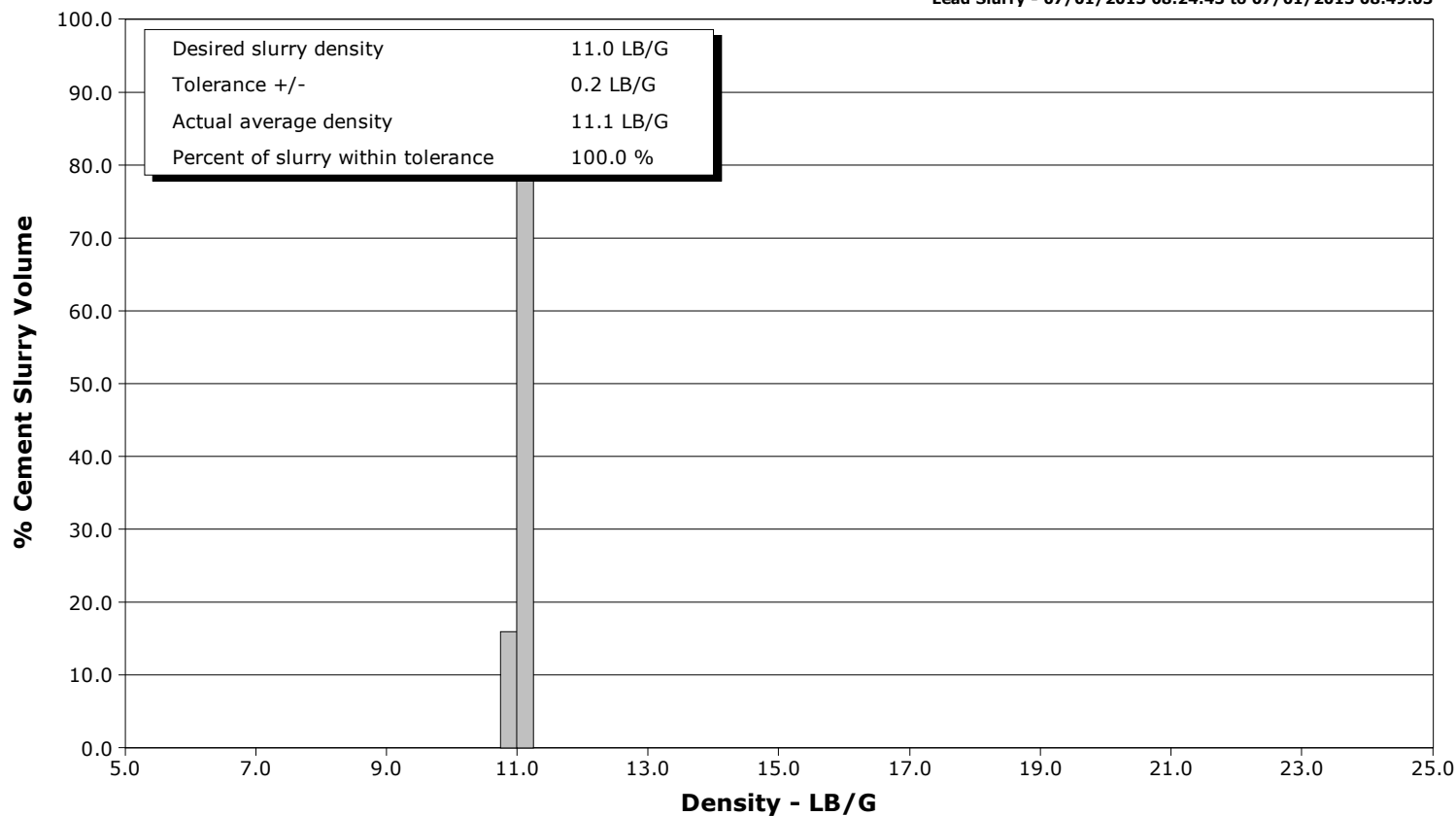
Client Encana
SIR No. CAIO-00151
Job Type Surface
Job Date 07-01-2013



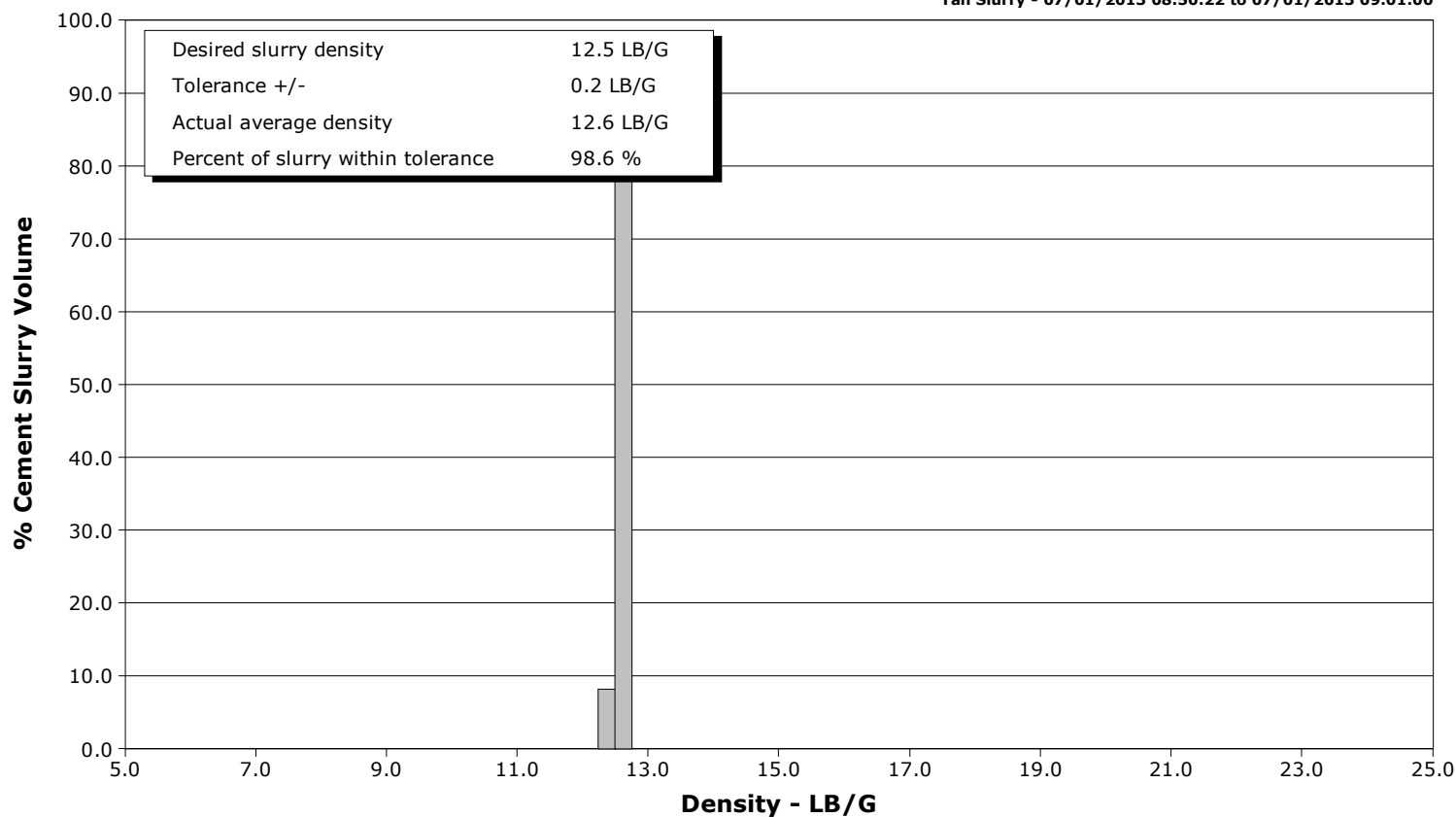
Well SGU 8504C-24
Field Wild Cat
Engineer Michael Simon
Country United States

Client Encana
SIR No. CAIO-00151
Job Type Surface
Job Date 07-01-2013

Lead Slurry - 07/01/2013 08:24:43 to 07/01/2013 08:49:03



Tail Slurry - 07/01/2013 08:50:22 to 07/01/2013 09:01:00





Cementing Service Report

					Customer Encana			Job Number CAIO-00151							
Well SGU 8504C-24 8504C-24				Location (legal) Grand Junction			Schlumberger Location Rock Springs			Job Start Jul/01/2013					
Field Wild Cat		Formation Name/Type Shale			Deviation		Bit Size 14.8 in		Well MD 3323.0 ft		Well TVD 3321.5 ft				
County Garfield		State/Province Colorado			BHP		BHST 125 degF		BHCT 97 degF		Pore Press. Gradient				
Well Master 0631465743		API/UWI													
Rig Name Patterson 330		Drilled For Gas		Service Via Land		Casing/Liner									
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
						3321.5		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density 9.00 lb/gal		Plastic Viscosity		Tubing/Drill Pipe									
						Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing		Job Type Surface													
Max. Allowed Tub. Press 3500 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
Service Instructions						Top,		Bottom,				No. of Shots		Total Interval	
														Diameter	
						Treat Down		Displacement 243.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 256.8 bbl		Annular Vol. 421.0 bbl		Openhole Vol. 695.0 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 1643 psi				Shoe Type Float				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3321.5 ft				Tool Type							
No. Centralizers 23		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type Single				Stage Tool Depth				Tail Pipe Size							
Job Scheduled For Jul/01/2013		Arrived on Location Jul/01/2013		Leave Location Jul/01/2013		Collar Type Float				Tail Pipe Depth					
						Collar Depth 3276.1 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message								
07/01/2013	06:30:04						Started Acquisition								
07/01/2013	07:16:59						Start Job								
07/01/2013	07:17:02	42	0.0	8.40	0.0	0.0									
07/01/2013	07:17:08						Start Pumping Water								
07/01/2013	07:17:08	42	0.0	8.40	0.0	0.0									
07/01/2013	07:17:11						Pressure Test Lines								
07/01/2013	07:17:11	41	0.0	8.40	0.0	0.0									
07/01/2013	07:18:04	41	0.0	8.40	0.0	0.0									
07/01/2013	07:21:04	42	0.0	8.39	0.0	0.0									
07/01/2013	07:24:04	93	1.8	8.38	1.7	1.7									
07/01/2013	07:27:04	50	0.0	8.39	2.1	2.1									
07/01/2013	07:28:43						End Water								
07/01/2013	07:28:43	68	0.0	8.39	2.1	2.1									
07/01/2013	07:28:44						Reset Total, Vol = 2.12 bbl								
07/01/2013	07:28:44	68	0.0	8.39	2.1	2.1									
07/01/2013	07:28:50						Start Pumping Spacer								
07/01/2013	07:28:50	68	0.0	8.39	0.0	0.0									
07/01/2013	07:30:04	71	0.0	8.39	0.0	0.0									
07/01/2013	07:33:04	189	6.5	9.84	14.2	14.2									
07/01/2013	07:36:04	136	6.5	10.03	33.8	33.8									
07/01/2013	07:39:04	267	6.5	9.95	53.0	53.0									

Well			Field		Job Start	Customer		Job Number
SGU 8504C-24 8504C-24			Wild Cat		Jul/01/2013	Encana		CAIO-00151
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message	
07/01/2013	07:39:35	388	8.3	9.96	56.6	56.6		
07/01/2013	07:39:36						Reset Total, Vol = 50.69 bbl	
07/01/2013	07:39:36	392	8.3	9.97	56.7	56.7		
07/01/2013	07:39:40						Start Mixing Scav Slurry	
07/01/2013	07:39:40	408	8.3	9.97	0.6	0.6		
07/01/2013	07:42:04	381	8.0	10.06	20.1	20.1		
07/01/2013	07:45:04	380	8.0	10.05	44.1	44.1		
07/01/2013	07:48:04	377	8.0	10.06	68.1	68.1		
07/01/2013	07:51:04	385	8.0	10.06	92.2	92.2		
07/01/2013	07:54:04	367	8.0	10.02	116.2	116.2		
07/01/2013	07:57:04	375	8.0	10.04	140.2	140.2		
07/01/2013	08:00:04	351	8.0	10.13	164.3	164.3		
07/01/2013	08:03:04	369	8.0	10.07	188.3	188.3		
07/01/2013	08:06:04	373	8.0	10.08	212.4	212.4		
07/01/2013	08:09:04	375	8.0	10.10	236.4	236.4		
07/01/2013	08:12:04	360	8.0	10.09	260.5	260.5		
07/01/2013	08:15:04	362	8.0	10.05	284.6	284.6		
07/01/2013	08:18:04	354	8.0	10.07	308.6	308.6		
07/01/2013	08:21:04	365	8.0	10.09	332.7	332.7		
07/01/2013	08:22:42						End Scavenger Slurry	
07/01/2013	08:22:42	330	8.0	10.13	345.8	345.8		
07/01/2013	08:22:43						Reset Total, Vol = 342.94 bbl	
07/01/2013	08:22:43	326	8.0	10.13	345.9	345.9		
07/01/2013	08:24:04	170	5.1	10.86	7.7	7.7		
07/01/2013	08:24:43						Start Mixing Lead Slurry	
07/01/2013	08:24:43	262	6.4	10.94	11.1	11.1		
07/01/2013	08:27:04	396	8.0	11.14	28.9	28.9		
07/01/2013	08:30:04	363	8.0	11.11	52.9	52.9		
07/01/2013	08:33:04	383	8.0	11.02	77.0	77.0		
07/01/2013	08:36:04	347	8.0	11.02	101.0	101.0		
07/01/2013	08:39:04	390	8.0	11.12	125.0	125.0		
07/01/2013	08:42:04	328	8.0	11.10	149.0	149.0		
07/01/2013	08:45:04	357	8.0	11.02	172.3	172.3		
07/01/2013	08:48:04	333	8.0	11.05	196.3	196.3		
07/01/2013	08:49:03						End Lead Slurry	
07/01/2013	08:49:03	243	6.6	11.11	203.8	203.8		
07/01/2013	08:49:04						Reset Total, Vol = 203.92 bbl	
07/01/2013	08:49:04	235	6.6	11.11	203.9	203.9		
07/01/2013	08:50:22						Start Mixing Tail Slurry	
07/01/2013	08:50:22	297	6.6	12.59	8.6	8.6		
07/01/2013	08:51:04	299	6.6	12.52	13.3	13.3		
07/01/2013	08:54:04	369	8.0	12.63	36.1	36.1		
07/01/2013	08:57:04	353	8.0	12.54	60.1	60.1		
07/01/2013	09:00:04	368	8.1	12.57	84.4	84.4		
07/01/2013	09:01:00						End Tail Slurry	
07/01/2013	09:01:00	369	8.0	12.55	91.9	91.9		
07/01/2013	09:01:02						Reset Total, Vol = 98.15 bbl	
07/01/2013	09:01:02	368	8.1	12.54	92.1	92.1		
07/01/2013	09:03:04	114	3.3	12.41	12.4	12.4		
07/01/2013	09:03:16						Drop Top Plug	
07/01/2013	09:03:16						Start Displacement	
07/01/2013	09:03:16	113	3.3	12.37	13.1	13.1		
07/01/2013	09:06:04	134	4.8	8.91	22.5	22.5		
07/01/2013	09:09:04	144	7.4	6.89	41.4	41.4		

Well			Field		Job Start	Customer		Job Number
SGU 8504C-24 8504C-24			Wild Cat		Jul/01/2013	Encana		CAIO-00151
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message	
07/01/2013	09:15:04	290	7.8	8.39	87.1	87.1		
07/01/2013	09:18:04	385	7.5	8.39	110.1	110.1		
07/01/2013	09:21:04	315	6.5	8.39	129.2	129.2		
07/01/2013	09:24:04	360	6.4	8.39	148.5	148.5		
07/01/2013	09:27:04	463	6.4	8.39	167.7	167.7		
07/01/2013	09:30:04	447	6.4	8.39	186.9	186.9		
07/01/2013	09:33:04	506	6.4	8.39	206.0	206.0		
07/01/2013	09:36:04	591	6.3	8.39	225.1	225.1		
07/01/2013	09:39:04	679	6.3	8.39	244.1	244.1		
07/01/2013	09:42:04	720	6.3	8.39	263.2	263.2		
07/01/2013	09:45:04	708	5.7	8.39	281.4	281.4		
07/01/2013	09:46:38						Bump Top Plug	
07/01/2013	09:46:38	1111	0.0	8.39	285.9	285.9		
07/01/2013	09:46:39						End Displacement	
07/01/2013	09:46:39	1111	0.0	8.39	285.9	285.9		
07/01/2013	09:46:40						Reset Total, Vol = 243 bbl	
07/01/2013	09:46:40	1118	0.0	8.39	285.9	285.9		
07/01/2013	09:48:04	1110	0.0	8.39	0.0	0.0		
07/01/2013	09:50:46						Floats hold-1.5bbl back	
07/01/2013	09:50:46	1223	0.0	8.39	0.1	0.1		
07/01/2013	09:51:04	1224	0.0	8.39	0.1	0.1		
07/01/2013	09:54:04	1227	0.0	8.39	0.1	0.1		
07/01/2013	09:57:04	1232	0.0	8.39	0.1	0.1		
07/01/2013	10:00:04	1237	0.0	8.39	0.1	0.1		
07/01/2013	10:03:04	39	0.0	8.39	0.1	0.1		
07/01/2013	10:04:34						End Job	
07/01/2013	10:04:34	40	0.0	8.39	0.1	0.1		
07/01/2013	10:04:35	39	0.0	8.39	0.1	0.1		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 7.0	N2	Mud 0.0	Maximum Rate 10.3		Total Slurry 643.0	Mud 0.0	Spacer 50.6	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4180	Final 39	Average 441	Bump Plug to 988	Breakdown	Type		Volume	Density
Avg. N2 Percent		Designed Slurry Volume 616.0 bbl	Displacement 243.0 bbl	Mix Water Temp 81 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 190.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Randy Burke			Schlumberger Supervisor Michael Simon			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-