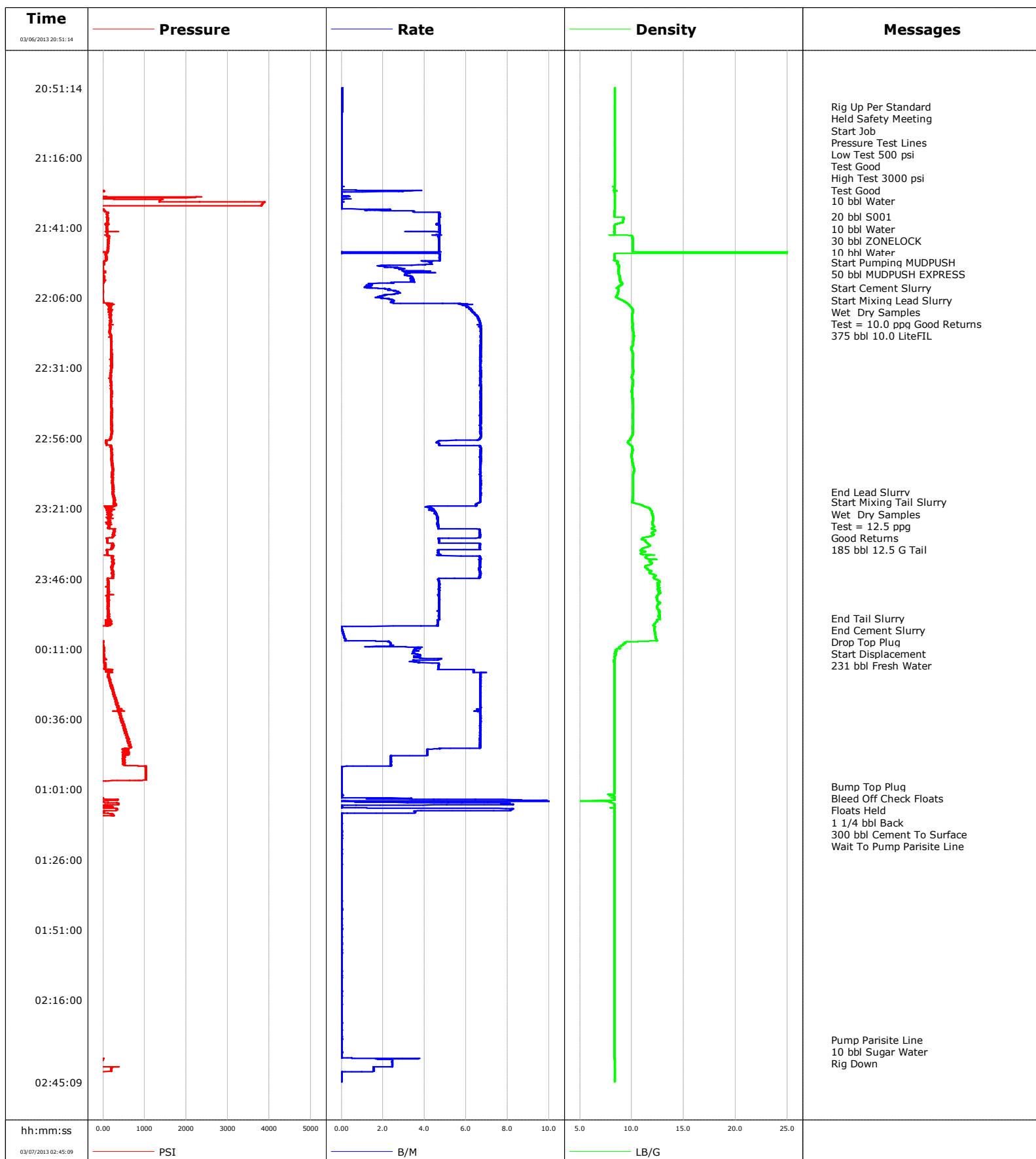


Well SGU 8512A-36
Field Story Gulch
Engineer Jordan Moreland
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-07-2013



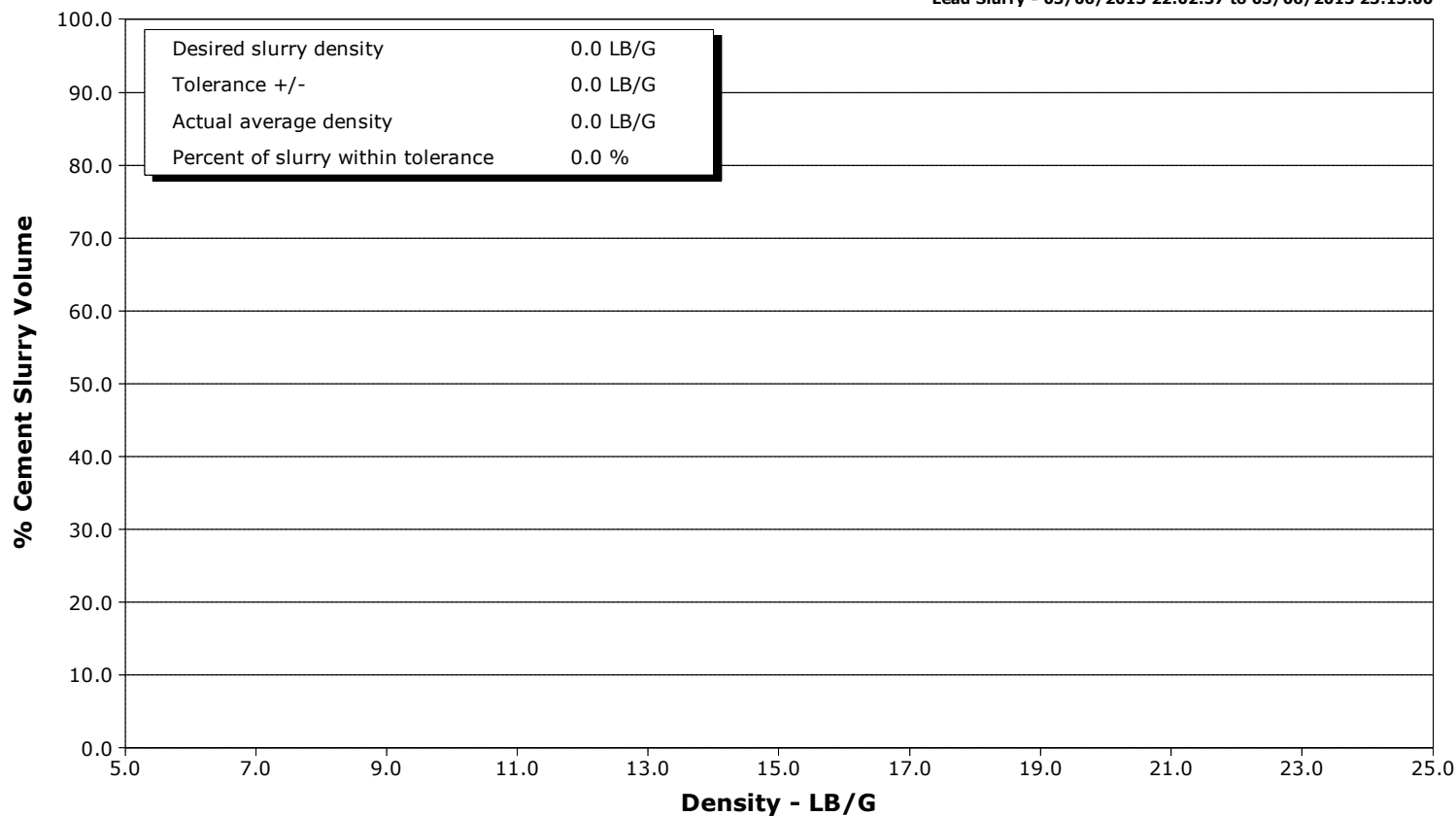


Cementing Qa/Qc Density Report

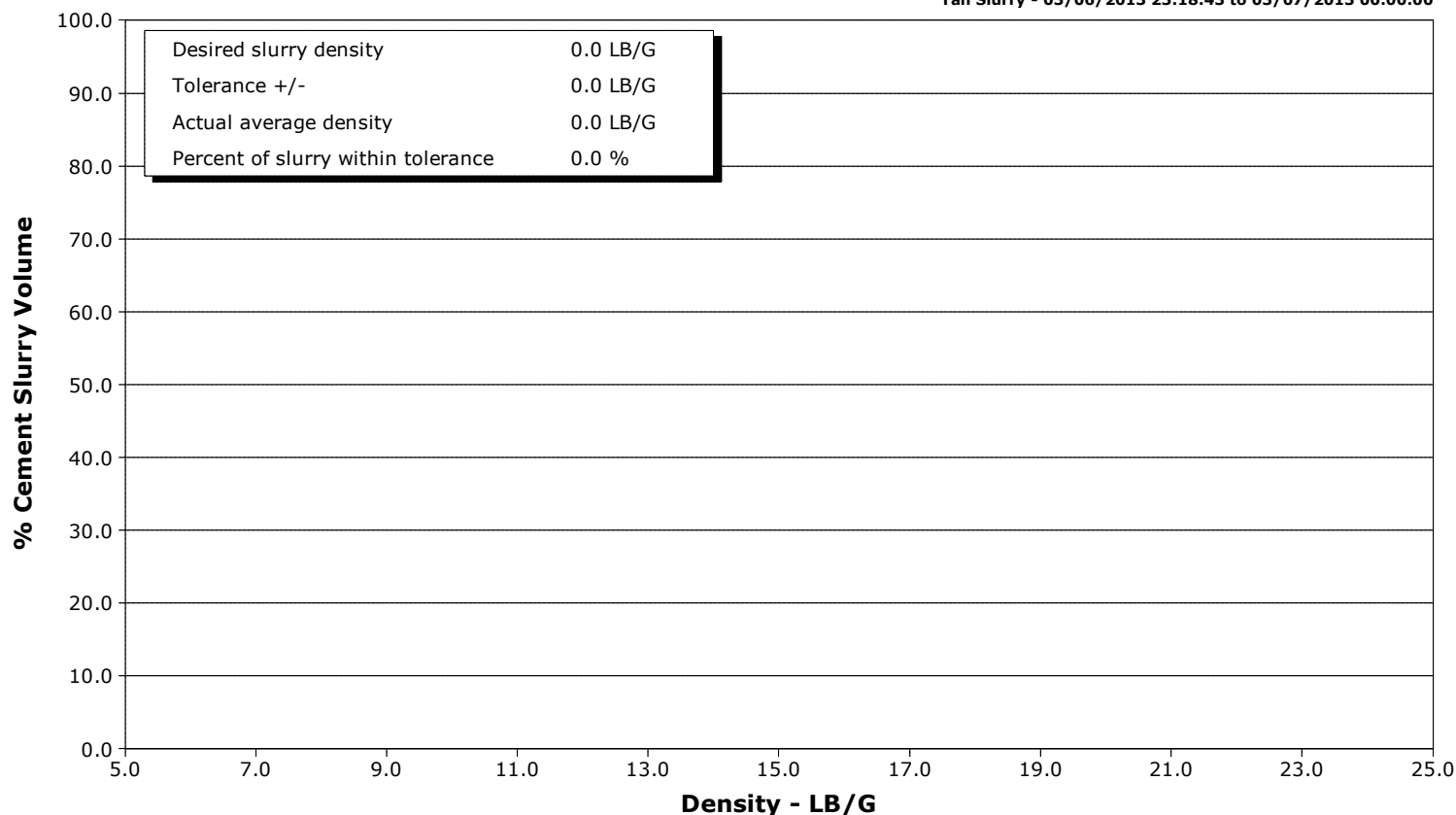
Well SGU 8512A-36
Field Story Gulch
Engineer Jordan Moreland
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-07-2013

Lead Slurry - 03/06/2013 22:02:37 to 03/06/2013 23:15:00



Tail Slurry - 03/06/2013 23:18:43 to 03/07/2013 00:00:00





Cementing Service Report

				Customer Encana		Job Number C459-01187		
Well SGU 8512A-36			Location (legal) D36		Schlumberger Location GCO		Job Start Mar/07/2013	
Field Story Gulch		Formation Name/Type		Deviation	Bit Size 14.8 in	Well MD		Well TVD
County Garfield		State/Province Colorado		BHP	BHST 120 degF	BHCT 96 degF	Pore Press. Gradient	
Well Master		API/UWI						
Rig Name Patterson 326		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	3035.0	9.630	36.0	J55	8RD
				0.0	0.000	0.0		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type 9 5/8 Surface						
Max. Allowed Tub. Press		Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole				
				Top,	Bottom,		No. of Shots	Total Interval
								Diameter
				Treat Down Casing	Displacement 231.0 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol. 233.0 bbl	Annular Vol. 386.0 bbl	Openhole Vol. 637.0 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 1502 psi				Shoe Type Guide		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3035.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth		
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size		
Job Scheduled For Mar/07/2013		Arrived on Location Mar/07/2013	Leave Location Mar/07/2013	Collar Type Float		Tail Pipe Depth		
				Collar Depth 2990.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/06/2013	18:27:42					Started Acquisition		
03/06/2013	20:51:14	-52	0.0	8.33	0.0			
03/06/2013	20:54:22	-53	0.0	8.34	0.1			
03/06/2013	20:57:42	-53	0.0	8.34	0.2			
03/06/2013	20:58:00					Rig Up Per Standard		
03/06/2013	20:58:00					Held Safety Meeting		
03/06/2013	20:58:00					Start Job		
03/06/2013	20:58:00	-53	0.0	8.34	0.2			
03/06/2013	21:00:00					Pressure Test Lines		
03/06/2013	21:00:00					Low Test 500 psi		
03/06/2013	21:00:00					Test Good		
03/06/2013	21:00:00					High Test 3000 psi		
03/06/2013	21:00:00					Test Good		
03/06/2013	21:00:00	-53	0.0	8.34	0.3			
03/06/2013	21:01:02	-53	0.0	8.34	0.3			
03/06/2013	21:04:22	-53	0.0	8.34	0.3			
03/06/2013	21:07:42	-53	0.0	8.35	0.4			
03/06/2013	21:11:02	-53	0.0	8.35	0.4			
03/06/2013	21:14:22	-54	0.0	8.35	0.5			
03/06/2013	21:17:42	-54	0.0	8.35	0.5			
03/06/2013	21:21:02	-53	0.0	8.36	0.5			

Well			Field		Job Start	Customer	Job Number
SGU 8512A-36			Story Gulch		Mar/07/2013	Encana	C459-01187
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/06/2013	21:27:42	-53	0.7	8.29	0.6		
03/06/2013	21:31:02	1408	0.0	8.34	2.2		
03/06/2013	21:31:16					10 bbl Water	
03/06/2013	21:31:16	1371	0.0	8.34	2.2		
03/06/2013	21:34:22	-41	0.0	8.34	0.0		
03/06/2013	21:37:08					20 bbl S001	
03/06/2013	21:37:08	109	4.7	8.31	10.3		
03/06/2013	21:37:42	106	4.7	9.21	13.0		
03/06/2013	21:41:02	92	4.7	8.32	28.6		
03/06/2013	21:41:27					10 bbl Water	
03/06/2013	21:41:27	94	4.7	8.32	30.6		
03/06/2013	21:43:37					30 bbl ZONELOCK	
03/06/2013	21:43:37	45	4.5	8.31	40.7		
03/06/2013	21:44:22	137	4.7	10.05	44.2		
03/06/2013	21:47:42	116	4.7	10.05	59.8		
03/06/2013	21:49:53					10 bbl Water	
03/06/2013	21:49:53	85	0.0	25.00	69.1		
03/06/2013	21:51:02	60	4.7	8.31	72.9		
03/06/2013	21:53:22					Start Pumping MUDPUSH	
03/06/2013	21:53:22	23	4.3	8.62	83.6		
03/06/2013	21:53:23					50 bbl MUDPUSH EXPRESS	
03/06/2013	21:53:23	23	4.2	8.62	83.7		
03/06/2013	21:54:22	-10	3.4	8.72	87.9		
03/06/2013	21:57:42	-4	3.1	8.72	97.5		
03/06/2013	22:01:02	-17	1.3	9.05	108.0		
03/06/2013	22:02:36					Start Cement Slurry	
03/06/2013	22:02:36	-17	1.6	8.60	110.1		
03/06/2013	22:02:37					Start Mixing Lead Slurry	
03/06/2013	22:02:37	-17	1.7	8.62	110.2		
03/06/2013	22:02:41					Wet Dry Samples	
03/06/2013	22:02:41					Test = 10.0 ppg Good Returns	
03/06/2013	22:02:41					375 bbl 10.0 LiteFIL	
03/06/2013	22:02:41	-17	1.8	8.66	110.3		
03/06/2013	22:04:22	-13	2.8	8.65	114.5		
03/06/2013	22:07:42	5	2.4	9.44	121.9		
03/06/2013	22:11:02	175	6.3	10.09	141.2		
03/06/2013	22:14:22	173	6.6	10.03	162.9		
03/06/2013	22:17:42	159	6.7	10.10	185.2		
03/06/2013	22:21:02	192	6.7	10.15	207.5		
03/06/2013	22:24:22	187	6.7	9.96	229.9		
03/06/2013	22:27:42	191	6.7	10.10	252.2		
03/06/2013	22:31:02	191	6.7	10.10	274.4		
03/06/2013	22:34:22	181	6.7	9.99	296.8		
03/06/2013	22:37:42	190	6.7	10.04	319.1		
03/06/2013	22:41:02	206	6.7	10.03	341.4		
03/06/2013	22:44:22	185	6.7	10.13	363.7		
03/06/2013	22:47:42	212	6.7	10.09	386.1		
03/06/2013	22:51:02	207	6.7	10.11	408.4		
03/06/2013	22:54:22	205	6.7	10.08	430.7		
03/06/2013	22:57:42	73	4.6	9.65	451.1		
03/06/2013	23:01:02	211	6.7	10.03	471.6		
03/06/2013	23:04:22	214	6.7	10.04	493.9		
03/06/2013	23:07:42	244	6.7	10.20	516.2		
03/06/2013	23:11:02	212	6.7	10.11	538.4		

Well			Field		Job Start	Customer	Job Number
SGU 8512A-36			Story Gulch		Mar/07/2013	Encana	C459-01187
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/06/2013	23:15:00					End Lead Slurry	
03/06/2013	23:15:00	237	6.7	10.11	565.0		
03/06/2013	23:17:42	262	6.7	10.10	583.0		
03/06/2013	23:18:43					Start Mixing Tail Slurry	
03/06/2013	23:18:43	259	6.7	10.01	589.8		
03/06/2013	23:18:45					Wet Dry Samples	
03/06/2013	23:18:45					Test = 12.5 ppg	
03/06/2013	23:18:45	271	6.7	10.02	590.0		
03/06/2013	23:18:46					Good Returns	
03/06/2013	23:18:46					185 bbl 12.5 G Tail	
03/06/2013	23:18:46	277	6.7	10.02	590.1		
03/06/2013	23:21:02	124	4.4	11.72	603.0		
03/06/2013	23:24:22	155	4.6	12.03	618.0		
03/06/2013	23:27:42	127	4.6	12.10	633.5		
03/06/2013	23:31:02	229	6.7	11.66	654.4		
03/06/2013	23:34:22	231	6.6	11.69	673.0		
03/06/2013	23:37:42	135	4.6	11.63	691.2		
03/06/2013	23:41:02	257	6.7	11.73	713.0		
03/06/2013	23:44:22	239	6.7	11.95	735.2		
03/06/2013	23:47:42	118	4.7	12.50	753.8		
03/06/2013	23:51:02	109	4.7	12.72	769.5		
03/06/2013	23:54:22	124	4.7	12.63	785.1		
03/06/2013	23:57:42	113	4.7	12.65	800.8		
03/07/2013	00:00:00					End Tail Slurry	
03/07/2013	00:00:00					End Cement Slurry	
03/07/2013	00:00:00	133	4.7	12.68	811.6		
03/07/2013	00:01:02	66	4.6	12.47	816.3		
03/07/2013	00:02:04					Drop Top Plug	
03/07/2013	00:02:04	203	4.6	12.19	821.2		
03/07/2013	00:02:05					Start Displacement	
03/07/2013	00:02:05					231 bbl Fresh Water	
03/07/2013	00:02:05	130	4.6	12.18	821.3		
03/07/2013	00:04:22	-49	0.0	12.18	825.1		
03/07/2013	00:07:42	-35	0.2	12.36	825.4		
03/07/2013	00:11:02	15	3.5	8.52	833.0		
03/07/2013	00:14:22	37	3.8	8.37	845.0		
03/07/2013	00:17:42	29	4.7	8.31	859.5		
03/07/2013	00:21:02	106	6.7	8.32	880.2		
03/07/2013	00:24:22	207	6.7	8.32	902.5		
03/07/2013	00:27:42	254	6.7	8.32	924.8		
03/07/2013	00:31:02	329	6.7	8.32	947.0		
03/07/2013	00:34:22	414	6.7	8.32	969.3		
03/07/2013	00:37:42	489	6.7	8.32	991.5		
03/07/2013	00:41:02	526	6.7	8.32	1013.8		
03/07/2013	00:44:22	605	6.7	8.31	1036.1		
03/07/2013	00:47:42	629	4.1	8.31	1055.0		
03/07/2013	00:51:02	477	2.4	8.32	1065.2		
03/07/2013	00:54:22	1027	0.0	8.32	1069.4		
03/07/2013	00:57:42	1014	0.0	8.32	1069.4		
03/07/2013	00:59:59					Bump Top Plug	
03/07/2013	00:59:59	-59	0.0	8.32	1069.4		
03/07/2013	01:00:00					Bleed Off Check Floats	
03/07/2013	01:00:00					Floats Held	
03/07/2013	01:00:00					1 1/4 bbl Back	

Well			Field		Job Start	Customer	Job Number
SGU 8512A-36			Story Gulch		Mar/07/2013	Encana	C459-01187
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/07/2013	01:00:00					Wait To Pump Parisite Line	
03/07/2013	01:00:00	-60	0.0	8.32	1069.4		
03/07/2013	01:01:02	-49	0.0	8.32	1069.5		
03/07/2013	01:04:22	-44	1.6	8.32	1070.4		
03/07/2013	01:07:42	59	3.3	8.28	1084.2		
03/07/2013	01:11:02	-54	0.0	8.32	1094.2		
03/07/2013	01:14:22	-56	0.0	8.32	1094.3		
03/07/2013	01:17:42	-56	0.0	8.32	1094.3		
03/07/2013	01:21:02	-57	0.0	8.32	1094.4		
03/07/2013	01:24:22	-56	0.0	8.32	1094.5		
03/07/2013	01:27:42	-56	0.0	8.32	1094.5		
03/07/2013	01:31:02	-56	0.0	8.32	1094.6		
03/07/2013	01:34:22	-56	0.0	8.32	1094.6		
03/07/2013	01:37:42	-56	0.0	8.32	1094.7		
03/07/2013	01:41:02	-55	0.0	8.32	1094.7		
03/07/2013	01:44:22	-55	0.0	8.32	1094.8		
03/07/2013	01:47:42	-54	0.0	8.32	1094.8		
03/07/2013	01:51:02	-55	0.0	8.32	1094.9		
03/07/2013	01:54:22	-54	0.0	8.32	1094.9		
03/07/2013	01:57:42	-55	0.0	8.32	1095.0		
03/07/2013	02:01:02	-54	0.0	8.32	1095.1		
03/07/2013	02:04:22	-54	0.0	8.32	1095.1		
03/07/2013	02:07:42	-54	0.0	8.32	1095.2		
03/07/2013	02:11:02	-54	0.0	8.32	1095.2		
03/07/2013	02:14:22	-54	0.0	8.32	1095.3		
03/07/2013	02:17:42	-54	0.0	8.32	1095.3		
03/07/2013	02:21:02	-54	0.0	8.32	1095.4		
03/07/2013	02:24:22	-53	0.0	8.32	1095.4		
03/07/2013	02:27:42	-53	0.0	8.32	1095.5		
03/07/2013	02:30:00					Pump Parisite Line	
03/07/2013	02:30:00					10 bbl Sugar Water	
03/07/2013	02:30:00					Rig Down	
03/07/2013	02:30:00	-54	0.0	8.32	1095.5		
03/07/2013	02:31:02	-54	0.0	8.32	1095.6		
03/07/2013	02:34:22	-54	0.0	8.32	1095.6		
03/07/2013	02:37:42	-30	2.4	8.36	1098.1		
03/07/2013	02:41:02	195	1.6	8.36	1105.1		

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp 64 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative Robert Escojeda			Schlumberger Supervisor Jordan Moreland			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-