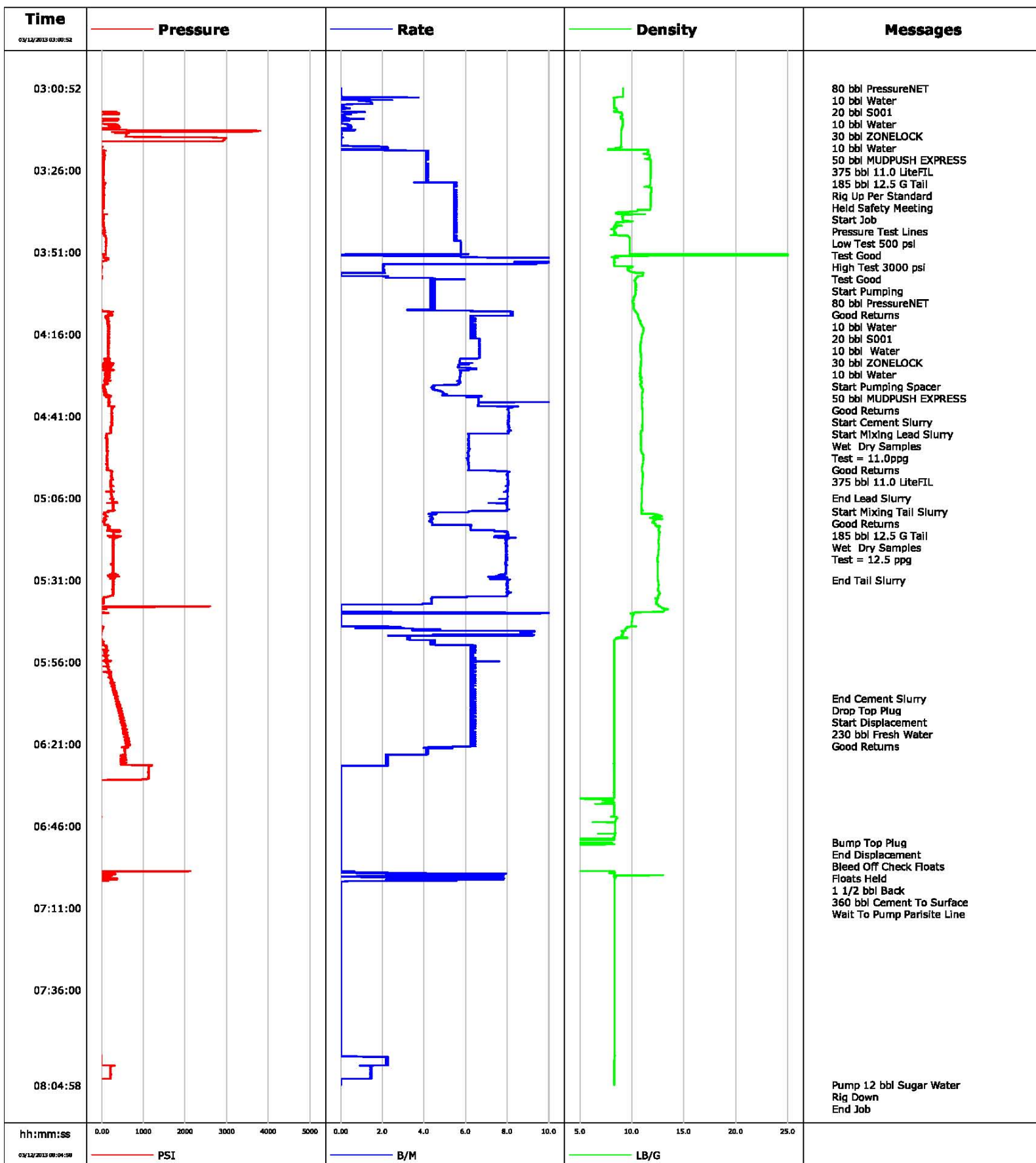


Well SGU 8513C-36
Field Story Gulch
Engineer Jordan Moreland
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-11-2013

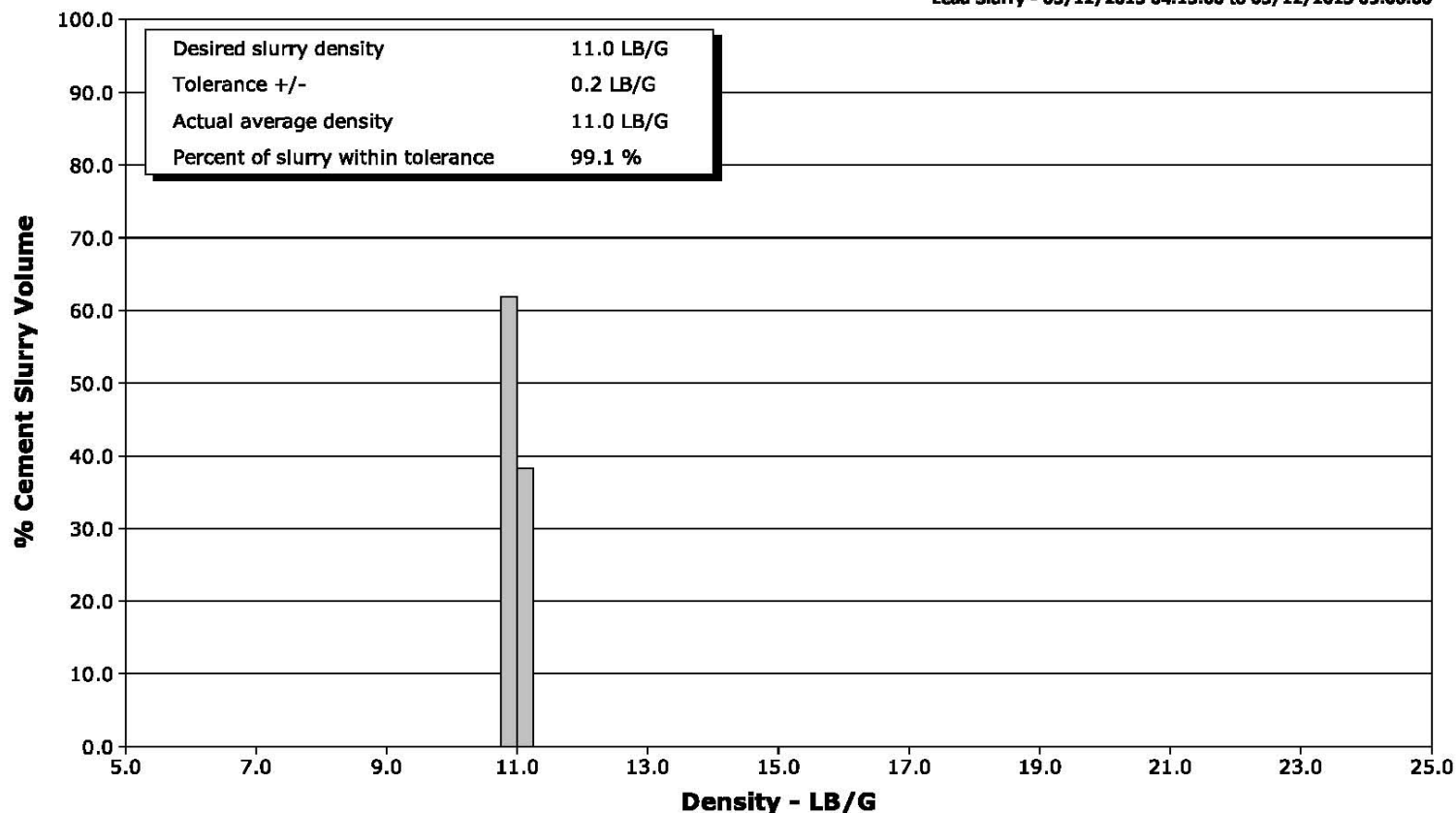


Schlumberger Cementing Qa/Qc Density Report

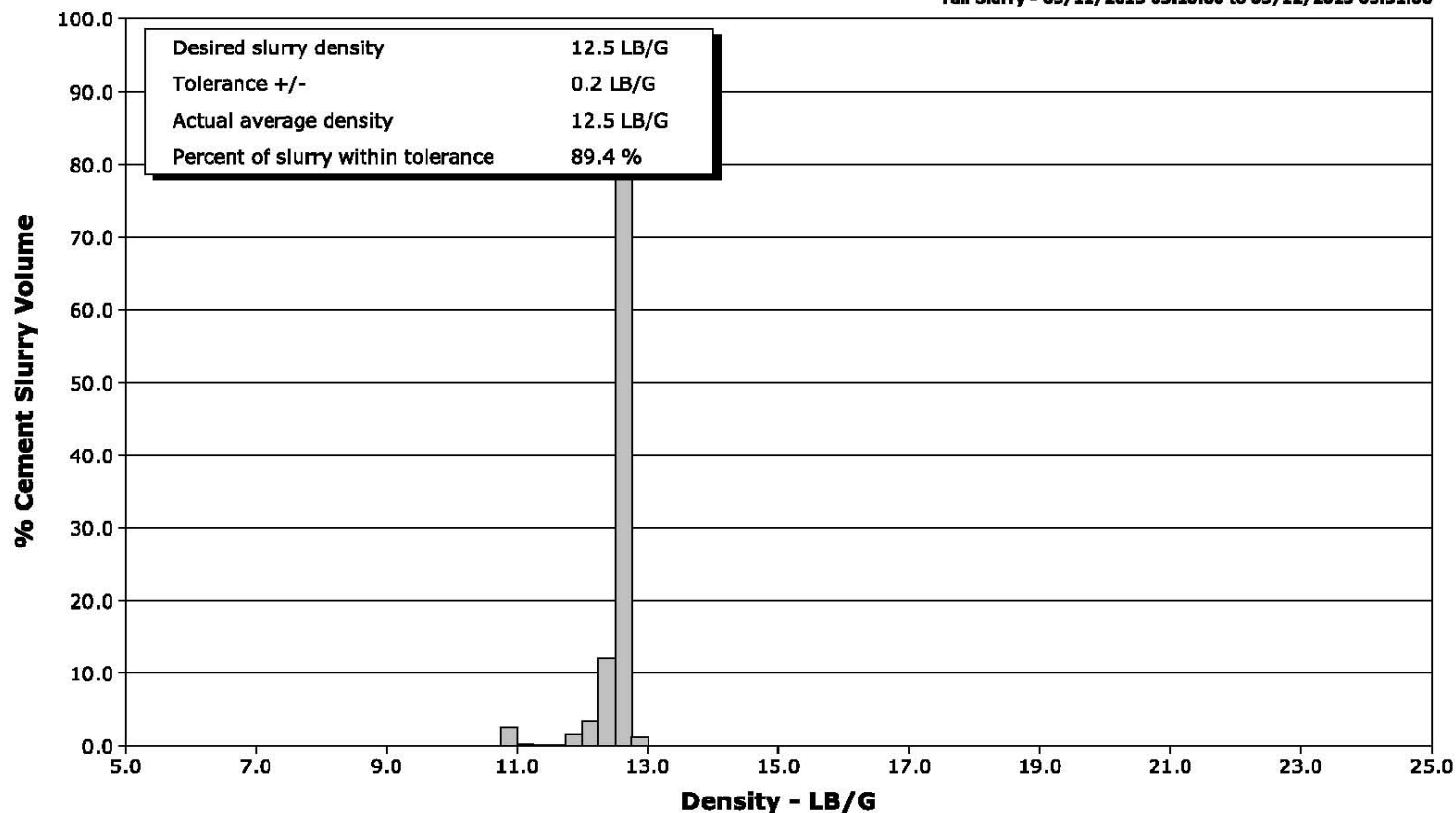
Well SGU 8513C-36
Field Story Gulch
Engineer Jordan Moreland
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 03-11-2013

Lead Slurry - 03/12/2013 04:13:00 to 03/12/2013 05:06:00



Tail Slurry - 03/12/2013 05:10:00 to 03/12/2013 05:31:00



Cementing Service Report

Customer	Job Number
Encana	C610-01179

Well SGU 8513C-36			Location (legal) D36			Schlumberger Location GCO			Job Start Mar/11/2013						
Field Story Gulch		Formation Name/Type Shale			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 0631304031		API/UWI													
Rig Name Patterson 326		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	
						3025.0		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
Service Line Cementing		Job Type 9 5/8 Surface				Depth,		Size,		Weight,		Grade		Thread	
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
Service Instructions Rate And Density Checked 80 bbl PressureNET 10 bbl Water 20 bbl S001 10 bbl Water 30 bbl ZONELOCK 10 bbl Water 50 bbl MUDPUSH EXPRESS 987 sks 11.0 LiteFIL 493 sks 12.5 G Tall		Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Top,		Bottom,				No. of Shots		Total Interval	
						Treat Down Casing		Displacement 230.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 232.0 bbl		Annular Vol. 384.0 bbl		Openhole Vol. 635.0 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 1497 psi		Shoe Type Guide				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 3025.0 ft				Tool Type					
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth					
Cement Head Type						Stage Tool Depth				Tail Pipe Size					
Job Scheduled For Mar/11/2013		Arrived on Location Mar/11/2013		Leave Location Mar/11/2013		Collar Type Float				Tail Pipe Depth					
						Collar Depth 2980.0 ft				Seq. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Message					
03/12/2013	01:45:12									Started Acquisition					
03/12/2013	03:00:52	-76		0.0		9.15		0.0							
03/12/2013	03:00:55									80 bbl PressureNET					
03/12/2013	03:00:55									10 bbl Water					
03/12/2013	03:00:55									20 bbl S001					
03/12/2013	03:00:55									10 bbl Water					
03/12/2013	03:00:55									30 bbl ZONELOCK					
03/12/2013	03:00:55									10 bbl Water					
03/12/2013	03:00:55									50 bbl MUDPUSH EXPRESS					
03/12/2013	03:00:55	-76		0.0		9.15		0.0							
03/12/2013	03:00:56									375 bbl 11.0 LiteFIL					
03/12/2013	03:00:56									185 bbl 12.5 G Tall					
03/12/2013	03:00:56									Rig Up Per Standard					
03/12/2013	03:00:56									Held Safety Meeting					
03/12/2013	03:00:56	-76		0.0		9.15		0.0							
03/12/2013	03:00:58									Start Job					
03/12/2013	03:00:58	-75		0.0		9.15		0.0							
03/12/2013	03:01:00									Pressure Test Lines					
03/12/2013	03:01:00	-76		0.0		9.15		0.0							
03/12/2013	03:01:01									Low Test 500 psi					
03/12/2013	03:01:01									Test Good					

Well SGU 8513C-36			Field Story Gulch	Job Start Mar/11/2013	Customer Encana	Job Number C610-01179
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/12/2013	03:01:01	-76	0.0	9.15	0.0	
03/12/2013	03:01:02					Test Good
03/12/2013	03:01:02					Start Pumping
03/12/2013	03:01:02	-76	0.0	9.15	0.0	
03/12/2013	03:01:52	-79	0.0	9.15	0.0	
03/12/2013	03:05:12	-30	1.5	8.30	1.6	
03/12/2013	03:08:32	403	0.4	9.01	2.8	
03/12/2013	03:11:52	54	0.1	9.12	3.4	
03/12/2013	03:15:12	585	0.0	8.97	4.2	
03/12/2013	03:18:32	-60	0.0	8.98	4.3	
03/12/2013	03:21:52	42	4.1	11.73	14.7	
03/12/2013	03:25:12	35	4.1	11.82	28.3	
03/12/2013	03:25:58					80 bbl PressureNET
03/12/2013	03:25:58	23	4.1	11.82	31.5	
03/12/2013	03:25:59					Good Returns
03/12/2013	03:25:59	41	4.1	11.82	31.5	
03/12/2013	03:28:32	17	4.1	11.81	42.0	
03/12/2013	03:31:52	31	5.4	11.86	58.5	
03/12/2013	03:35:12	28	5.6	11.83	76.7	
03/12/2013	03:37:35					10 bbl Water
03/12/2013	03:37:35	35	5.4	11.79	89.7	
03/12/2013	03:38:32	3	5.4	10.50	94.9	
03/12/2013	03:39:27					20 bbl S001
03/12/2013	03:39:27	3	5.4	10.84	99.9	
03/12/2013	03:41:52	53	5.4	8.57	113.1	
03/12/2013	03:43:37					10 bbl Water
03/12/2013	03:43:37	59	5.6	8.28	122.6	
03/12/2013	03:45:12	43	5.4	8.44	131.3	
03/12/2013	03:46:13					30 bbl ZONELOCK
03/12/2013	03:46:13	101	5.6	9.71	136.8	
03/12/2013	03:48:32	105	5.8	9.78	149.8	
03/12/2013	03:51:52	59	0.0	25.00	167.5	
03/12/2013	03:51:53					10 bbl Water
03/12/2013	03:51:53	59	0.0	25.00	167.5	
03/12/2013	03:55:12	1	2.0	8.46	191.6	
03/12/2013	03:57:00					Start Pumping Spacer
03/12/2013	03:57:00					50 bbl MUDPUSH EXPRESS
03/12/2013	03:57:00					Good Returns
03/12/2013	03:57:00	-9	2.0	10.01	195.3	
03/12/2013	03:58:32	-9	2.3	10.50	196.5	
03/12/2013	04:01:52	-20	4.5	10.33	210.8	
03/12/2013	04:05:12	-31	4.4	10.19	225.6	
03/12/2013	04:08:32	-24	3.2	10.24	240.4	
03/12/2013	04:11:52	142	6.4	10.77	263.3	
03/12/2013	04:13:00					Start Cement Slurry
03/12/2013	04:13:00					Start Mixing Lead Slurry
03/12/2013	04:13:00	153	6.2	10.92	270.4	
03/12/2013	04:15:12	148	6.4	11.09	284.3	
03/12/2013	04:18:32	152	6.7	10.86	305.8	
03/12/2013	04:21:52	154	6.7	10.86	328.0	
03/12/2013	04:25:12	138	6.0	10.88	348.6	
03/12/2013	04:27:44					Wet Dry Samples
03/12/2013	04:27:44					Test = 11.0ppg
03/12/2013	04:27:44					Good Returns

Well			Field		Job Start		Customer		Job Number	
SGU 8513C-36			Story Gulch		Mar/11/2013		Encana		C610-01179	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/12/2013	04:27:45					375 bbl 11.0 LiteFIL				
03/12/2013	04:27:45	192	5.7	10.82	363.6					
03/12/2013	04:28:32	71	5.7	10.83	368.1					
03/12/2013	04:31:52	43	4.4	10.91	386.6					
03/12/2013	04:35:12	179	6.5	11.00	403.3					
03/12/2013	04:38:32	255	8.0	11.00	426.5					
03/12/2013	04:41:52	245	8.0	11.02	453.4					
03/12/2013	04:45:12	199	8.1	11.04	480.2					
03/12/2013	04:48:32	119	6.2	10.88	502.7					
03/12/2013	04:51:52	133	6.1	10.95	523.1					
03/12/2013	04:55:12	138	6.1	11.07	543.5					
03/12/2013	04:58:32	227	8.0	11.05	565.7					
03/12/2013	05:01:52	215	8.0	11.00	592.5					
03/12/2013	05:05:12	234	8.0	10.97	619.2					
03/12/2013	05:06:00					End Lead Slurry				
03/12/2013	05:06:00	249	8.0	10.99	625.6					
03/12/2013	05:08:32	263	8.0	10.94	645.7					
03/12/2013	05:10:00					Start Mixing Tail Slurry				
03/12/2013	05:10:00					Good Returns				
03/12/2013	05:10:00					185 bbl 12.5 G Tail				
03/12/2013	05:10:00					Wet Dry Samples				
03/12/2013	05:10:00	171	6.1	10.94	657.3					
03/12/2013	05:10:01					Test = 12.5 ppg				
03/12/2013	05:10:01	158	6.1	10.94	657.4					
03/12/2013	05:11:52	67	4.4	11.76	666.0					
03/12/2013	05:15:12	165	6.2	12.61	682.6					
03/12/2013	05:18:32	288	7.9	12.58	707.7					
03/12/2013	05:21:52	263	8.0	12.55	734.1					
03/12/2013	05:25:12	262	7.9	12.45	760.6					
03/12/2013	05:28:32	269	7.9	12.50	787.1					
03/12/2013	05:31:00					End Tail Slurry				
03/12/2013	05:31:00	263	8.0	12.51	806.3					
03/12/2013	05:31:52	264	8.0	12.55	813.2					
03/12/2013	05:35:12	274	8.0	12.66	839.9					
03/12/2013	05:38:32	-73	0.0	12.54	856.7					
03/12/2013	05:41:52	-72	0.0	10.08	861.2					
03/12/2013	05:45:12	-14	2.8	9.97	861.7					
03/12/2013	05:48:32	-76	3.2	9.16	880.3					
03/12/2013	05:51:52	124	6.2	8.30	896.1					
03/12/2013	05:55:12	119	6.4	8.30	917.1					
03/12/2013	05:58:32	165	6.4	8.30	938.2					
03/12/2013	06:01:52	248	6.4	8.30	959.3					
03/12/2013	06:05:12	318	6.2	8.29	980.4					
03/12/2013	06:07:01					End Cement Slurry				
03/12/2013	06:07:01	328	6.2	8.29	991.8					
03/12/2013	06:08:00					Drop Top Plug				
03/12/2013	06:08:00					Start Displacement				
03/12/2013	06:08:00					230 bbl Fresh Water				
03/12/2013	06:08:00					Good Returns				
03/12/2013	06:08:00	351	6.5	8.29	998.0					
03/12/2013	06:08:32	414	6.4	8.29	1001.4					
03/12/2013	06:11:52	482	6.4	8.29	1022.5					
03/12/2013	06:15:12	478	6.4	8.29	1043.5					
03/12/2013	06:18:32	630	6.2	8.29	1064.5					

Well			Field		Job Start		Customer		Job Number	
SGU 8513C-36			Story Gulch		Mar/11/2013		Encana		C610-01179	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
03/12/2013	06:25:12	567	2.2	8.29	1097.5					
03/12/2013	06:28:32	1121	0.0	8.29	1102.8					
03/12/2013	06:31:52	434	0.0	8.29	1102.8					
03/12/2013	06:35:12	-58	0.0	8.29	1102.8					
03/12/2013	06:38:32	-83	0.0	7.99	1102.8					
03/12/2013	06:41:52	-83	0.0	8.30	1102.8					
03/12/2013	06:45:12	-79	0.0	8.41	1102.8					
03/12/2013	06:48:32	-75	0.0	8.40	1102.8					
03/12/2013	06:51:00					Bump Top Plug				
03/12/2013	06:51:00					End Displacement				
03/12/2013	06:51:00	-58	0.0	0.58	1102.8					
03/12/2013	06:51:52	-82	0.0	0.00	1102.8					
03/12/2013	06:55:00					Bleed Off Check Floats				
03/12/2013	06:55:00					Floats Held				
03/12/2013	06:55:00					1 1/2 bbl Back				
03/12/2013	06:55:00					360 bbl Cement To Surface				
03/12/2013	06:55:00	-56	0.0	0.00	1102.8					
03/12/2013	06:55:12	-57	0.0	-0.00	1102.8					
03/12/2013	06:58:32	-57	0.0	0.00	1102.8					
03/12/2013	07:01:52	340	7.8	8.40	1109.7					
03/12/2013	07:04:09					Wait To Pump Parisite Line				
03/12/2013	07:04:09	-50	0.0	8.36	1115.2					
03/12/2013	07:05:12	-55	0.0	8.35	1115.2					
03/12/2013	07:08:32	-51	0.0	8.35	1115.2					
03/12/2013	07:11:52	-51	0.0	8.35	1115.2					
03/12/2013	07:15:12	-54	0.0	8.35	1115.2					
03/12/2013	07:18:32	-54	0.0	8.35	1115.2					
03/12/2013	07:21:52	-53	0.0	8.35	1115.2					
03/12/2013	07:25:12	-52	0.0	8.36	1115.2					
03/12/2013	07:28:32	-52	0.0	8.36	1115.2					
03/12/2013	07:31:52	-46	0.0	8.36	1115.2					
03/12/2013	07:35:12	-45	0.0	8.36	1115.2					
03/12/2013	07:38:32	-46	0.0	8.36	1115.2					
03/12/2013	07:41:52	-46	0.0	8.36	1115.2					
03/12/2013	07:45:12	-48	0.0	8.36	1115.2					
03/12/2013	07:48:32	-47	0.0	8.36	1115.2					
03/12/2013	07:51:52	-45	0.0	8.36	1115.2					
03/12/2013	07:55:12	-51	0.0	8.36	1115.2					
03/12/2013	07:58:32	-18	2.2	8.33	1120.1					
03/12/2013	08:01:52	199	1.5	8.31	1125.4					
03/12/2013	08:04:50					Pump 12 bbl Sugar Water				
03/12/2013	08:04:50					Rig Down				
03/12/2013	08:04:50	-54	0.0	8.31	1127.2					
03/12/2013	08:04:52					End Job				
03/12/2013	08:04:52	-54	0.0	8.31	1127.2					

Well	Field	Job Start	Customer	Job Number
SGU 8513C-36	Story Gulch	Mar/11/2013	Encana	C610-01179

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	Cement Circulated to Surface?		Volume
					65 degF	Washed Thru Perfs		To
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost		Job Completed
James Carter				Jordan Moreland		-		-