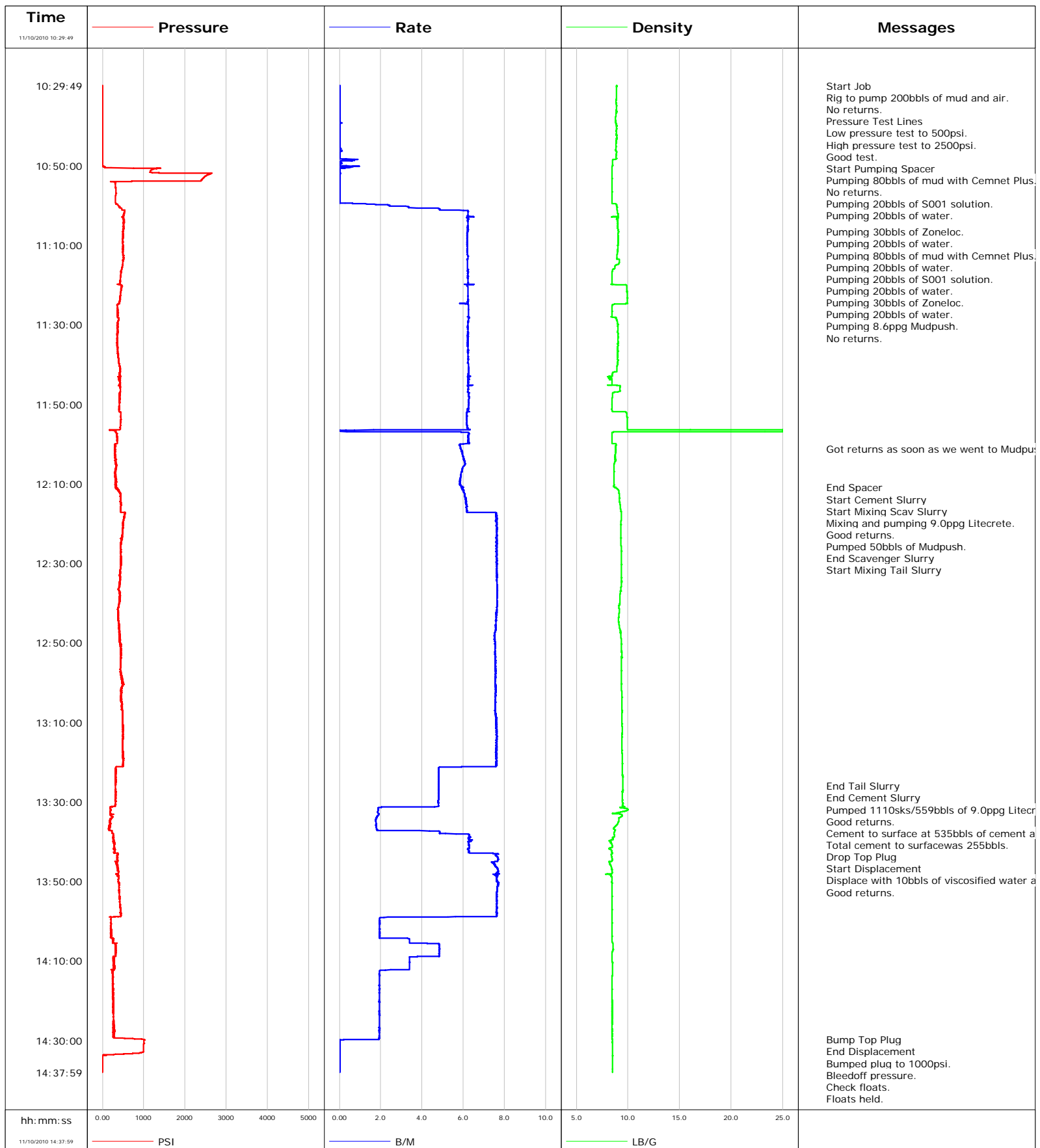


**Well** SGU 8509A-36 B36 496  
**Field** STORY GULCH  
**Engineer** JEFF PATTERSON  
**Country** United States

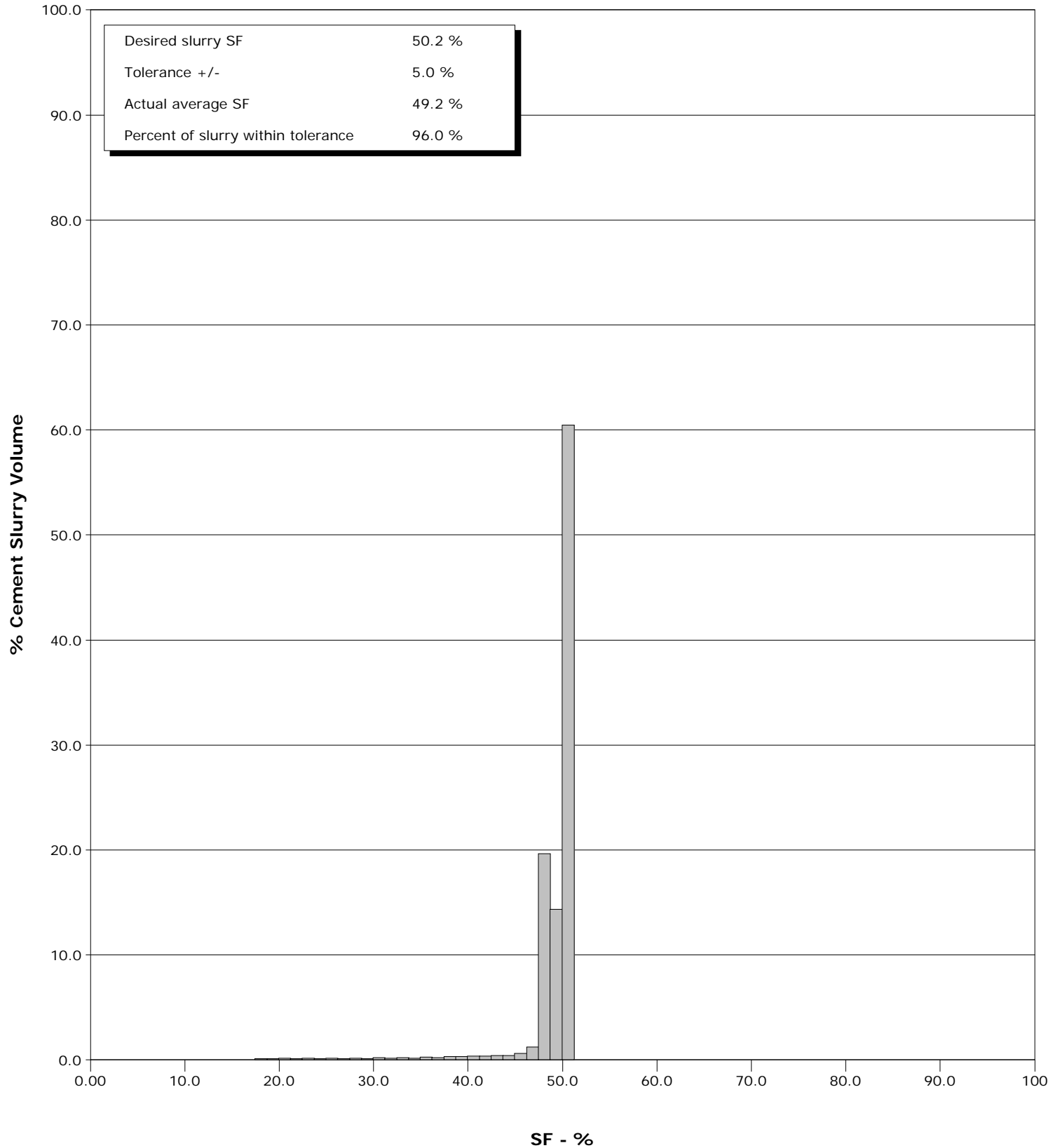
**Client** ENCANA  
**SIR No.** BJ09-00038  
**Job Type** 9 5/8" SURFACE  
**Job Date** 11-10-2010



**Well** SGU 8509A-36 B36 496  
**Field** STORY GULCH  
**Engineer** JEFF PATTERSON  
**Country** United States

**Client** ENCANA  
**SIR No.** BJ09-00038  
**Job Type** 9 5/8" SURFACE  
**Job Date** 11-10-2010

Cement Slurry - 11/10/2010 12:10:58 to 11/10/2010 13:25:58



## Cementing Service Report

				Customer			Job Number		
				ENCANA			BJ09-00038		
Well SGU 8509A-36 B36 496 SGU 8509A-36 B36 496				Location (legal) B-36		Schlumberger Location GRAND JUNCTION, COLORADO		Job Start Nov/10/2010	
Field STORY GULCH		Formation Name/Type SHALE		Deviation 0 deg	Bit Size 14.8 in	Well MD 3017.0 ft		Well TVD 3017.0 ft	
County GARFIELD		State/Province Colorado		BHP	BHST 115 degF	BHCT 95 degF	Pore Press. Gradient		
Well Master 0631224458		API /UWI							
Rig Name PATTERSON 308	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	3017.0	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 2500 psi	Max. Allowed Ann. Press	WH Connection 9 5/8" CEMENT HEAD	Perforations/Open Hole						
			Top,	Bottom,		No. of Shots	Total Interval		
Service Instructions Provide Equipment and Services to Pump 9 5/8" Surface Casing							Diameter		
Treat Down Casing		Displacement 230.0 bbl		Packer Type		Packer Depth			
Tubing Vol.		Casing Vol. 233.0 bbl		Annular Vol. 556.0 bbl		Openhole Vol. 634.0 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 1493 psi				Shoe Type Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3017.0 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 Nov/10/2010		Arrived on Location Nov/10/2010	Leave Location Nov/10/2010	Collar Type Float		Tail Pipe Depth			
				Collar Depth 2973.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
11/10/2010	09:16:02					Started Acquisition			
11/10/2010	10:29:49	-4	0.0	8.90	0.0				
11/10/2010	10:29:51					Start Job			
11/10/2010	10:29:51	-4	0.0	8.90	0.0				
11/10/2010	10:29:53					Rig to pump 200bbls of mud and air.			
11/10/2010	10:29:53					No returns.			
11/10/2010	10:29:53	-4	0.0	8.91	0.0				
11/10/2010	10:29:55					Pressure Test Lines			
11/10/2010	10:29:55	-4	0.0	8.90	0.0				
11/10/2010	10:29:57					Low pressure test to 500psi.			
11/10/2010	10:29:57					High pressure test to 2500psi.			
11/10/2010	10:29:57	-4	0.0	8.89	0.0				
11/10/2010	10:29:58					Good test.			
11/10/2010	10:29:58	-4	0.0	8.89	0.0				
11/10/2010	10:30:00					Start Pumping Spacer			
11/10/2010	10:30:00	-4	0.0	8.88	0.0				
11/10/2010	10:30:01					Pumping 80bbls of mud with Cemnet Plus.			
11/10/2010	10:30:01	-4	0.0	8.88	0.0				
11/10/2010	10:30:02					No returns.			
11/10/2010	10:30:02					Pumping 20bbls of S001 solution.			
11/10/2010	10:30:02					Pumping 20bbls of water.			

Well			Field		Job Start		Customer		Job Number	
SGU 8509A-36 B36 496 SGU 8509A-36 B36 496			STORY GULCH		Nov/10/2010		ENCANA		BJ09-00038	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/10/2010	10:31:02	-4	0.0	8.88	0.0					
11/10/2010	10:32:42	-3	0.0	8.88	0.0					
11/10/2010	10:34:22	-3	0.0	8.86	0.0					
11/10/2010	10:36:02	-4	0.0	8.85	0.0					
11/10/2010	10:37:42	-3	0.0	8.81	0.0					
11/10/2010	10:39:22	-4	0.0	8.86	0.0					
11/10/2010	10:41:02	-4	0.0	8.87	0.0					
11/10/2010	10:42:42	-4	0.0	8.92	0.0					
11/10/2010	10:44:22	-4	0.0	8.86	0.0					
11/10/2010	10:46:02	-3	0.0	8.81	0.0					
11/10/2010	10:47:42	-7	0.0	8.83	0.1					
11/10/2010	10:49:22	-5	0.1	8.48	0.3					
11/10/2010	10:51:02	1190	0.0	8.47	0.6					
11/10/2010	10:52:42	2485	0.0	8.47	0.6					
11/10/2010	10:54:22	312	0.0	8.47	0.6					
11/10/2010	10:56:02	324	0.0	8.47	0.6					
11/10/2010	10:57:42	320	0.0	8.47	0.6					
11/10/2010	10:59:22	317	0.0	8.47	0.6					
11/10/2010	11:01:02	472	4.8	8.95	5.4					
11/10/2010	11:02:42	507	6.2	9.07	15.5					
11/10/2010	11:04:22	518	6.2	9.03	25.9					
11/10/2010	11:06:02	502	6.2	9.03	36.3					
11/10/2010	11:06:37					Pumping 30bbbls of Zoneloc.				
11/10/2010	11:06:37	498	6.2	9.08	39.9					
11/10/2010	11:06:38					Pumping 20bbbls of water.				
11/10/2010	11:06:38					Pumping 80bbbls of mud with Cemnet Plus.				
11/10/2010	11:06:38					Pumping 20bbbls of water.				
11/10/2010	11:06:38	498	6.2	9.08	40.0					
11/10/2010	11:06:39					Pumping 20bbbls of S001 solution.				
11/10/2010	11:06:39					Pumping 20bbbls of water.				
11/10/2010	11:06:39					Pumping 30bbbls of Zoneloc.				
11/10/2010	11:06:39	500	6.2	9.07	40.1					
11/10/2010	11:06:40					Pumping 20bbbls of water.				
11/10/2010	11:06:40	497	6.2	9.07	40.2					
11/10/2010	11:07:42	497	6.2	9.04	46.6					
11/10/2010	11:08:44					Pumping 8.6ppg Mudpush.				
11/10/2010	11:08:44	494	6.2	9.03	53.0					
11/10/2010	11:08:45					No returns.				
11/10/2010	11:08:45	494	6.2	9.03	53.1					
11/10/2010	11:09:22	496	6.2	9.04	56.9					
11/10/2010	11:11:02	487	6.2	9.00	67.2					
11/10/2010	11:12:42	514	6.2	8.92	77.6					
11/10/2010	11:14:22	496	6.2	9.15	87.9					
11/10/2010	11:16:02	468	6.2	8.57	98.3					
11/10/2010	11:17:42	442	6.2	8.46	108.6					
11/10/2010	11:19:22	424	6.2	8.46	119.0					
11/10/2010	11:21:02	455	6.2	9.90	129.4					
11/10/2010	11:22:42	432	6.2	9.91	139.7					
11/10/2010	11:24:22	412	6.2	9.91	150.1					
11/10/2010	11:26:02	368	6.3	8.46	160.5					
11/10/2010	11:27:42	369	6.3	8.46	170.9					
11/10/2010	11:29:22	377	6.2	8.98	181.3					
11/10/2010	11:31:02	363	6.2	9.02	191.7					
11/10/2010	11:32:42	356	6.2	9.02	202.1					

Well			Field		Job Start		Customer		Job Number	
SGU 8509A-36 B36 496 SGU 8509A-36 B36 496			STORY GULCH		Nov/10/2010		ENCANA		BJ09-00038	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/10/2010	11:36:02	365	6.2	9.00	222.8					
11/10/2010	11:37:42	384	6.2	8.97	233.2					
11/10/2010	11:39:22	393	6.2	8.99	243.6					
11/10/2010	11:41:02	432	6.3	8.92	254.0					
11/10/2010	11:42:42	415	6.2	8.48	264.4					
11/10/2010	11:44:22	426	6.2	8.46	274.8					
11/10/2010	11:46:02	434	6.2	9.22	285.2					
11/10/2010	11:47:42	417	6.3	8.50	295.6					
11/10/2010	11:49:22	410	6.3	8.46	306.1					
11/10/2010	11:51:02	404	6.3	8.46	316.5					
11/10/2010	11:52:42	446	6.2	9.89	326.9					
11/10/2010	11:54:22	437	6.2	9.92	337.1					
11/10/2010	11:56:02	436	6.2	9.92	347.4					
11/10/2010	11:57:42	345	6.2	8.46	354.9					
11/10/2010	11:59:22	358	6.3	8.46	365.3					
11/10/2010	12:01:02	302	5.9	8.80	375.3					
11/10/2010	12:01:19					Got returns as soon as we went to Mudpush.				
11/10/2010	12:01:19	295	5.9	8.82	377.0					
11/10/2010	12:02:42	304	6.0	8.77	385.2					
11/10/2010	12:04:22	319	6.1	8.75	395.2					
11/10/2010	12:06:02	330	6.0	8.65	405.3					
11/10/2010	12:07:42	314	5.9	8.63	415.2					
11/10/2010	12:09:22	321	5.8	8.64	424.9					
11/10/2010	12:10:56					End Spacer				
11/10/2010	12:10:56	317	6.0	8.81	434.1					
11/10/2010	12:10:58					Start Cement Slurry				
11/10/2010	12:10:58	331	6.0	8.75	434.3					
11/10/2010	12:10:59					Start Mixing Scav Slurry				
11/10/2010	12:10:59	339	6.0	8.75	434.4					
11/10/2010	12:11:02	338	6.0	8.79	434.7					
11/10/2010	12:11:06					Mixing and pumping 9.0ppg Litecrete.				
11/10/2010	12:11:06					Good returns.				
11/10/2010	12:11:06	351	5.9	8.87	435.1					
11/10/2010	12:11:07					Pumped 50bbls of Mudpush.				
11/10/2010	12:11:07	346	5.9	8.88	435.2					
11/10/2010	12:12:42	429	6.1	9.16	444.7					
11/10/2010	12:13:00					End Scavenger Slurry				
11/10/2010	12:13:00	435	6.1	9.17	446.5					
11/10/2010	12:13:01					Start Mixing Tail Slurry				
11/10/2010	12:13:01	452	6.1	9.17	446.6					
11/10/2010	12:14:22	446	6.1	9.18	454.9					
11/10/2010	12:16:02	442	6.2	9.27	465.1					
11/10/2010	12:17:42	546	7.6	9.37	476.1					
11/10/2010	12:19:22	502	7.6	9.33	488.8					
11/10/2010	12:21:02	493	7.6	9.33	501.5					
11/10/2010	12:22:42	479	7.6	9.33	514.2					
11/10/2010	12:24:22	461	7.6	9.31	526.9					
11/10/2010	12:26:02	442	7.6	9.35	539.6					
11/10/2010	12:27:42	452	7.6	9.35	552.3					
11/10/2010	12:29:22	452	7.6	9.38	565.0					
11/10/2010	12:31:02	449	7.6	9.36	577.7					
11/10/2010	12:32:42	420	7.6	9.35	590.4					
11/10/2010	12:34:22	423	7.6	9.38	603.1					
11/10/2010	12:36:02	396	7.6	9.33	615.8					

Well			Field	Job Start	Customer	Job Number
SGU 8509A-36 B36 496 SGU 8509A-36 B36 496			STORY GULCH	Nov/10/2010	ENCANA	BJ09-00038
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
11/10/2010	12:39:22	410	7.6	9.22	641.3	
11/10/2010	12:41:02	389	7.6	9.13	654.0	
11/10/2010	12:42:42	379	7.6	9.14	666.7	
11/10/2010	12:44:22	397	7.6	9.09	679.3	
11/10/2010	12:46:02	409	7.6	9.16	692.0	
11/10/2010	12:47:42	408	7.5	9.29	704.6	
11/10/2010	12:49:22	423	7.5	9.34	717.1	
11/10/2010	12:51:02	437	7.5	9.36	729.7	
11/10/2010	12:52:42	448	7.5	9.38	742.2	
11/10/2010	12:54:22	444	7.6	9.37	754.8	
11/10/2010	12:56:02	439	7.5	9.36	767.4	
11/10/2010	12:57:42	448	7.6	9.36	780.0	
11/10/2010	12:59:22	494	7.6	9.37	792.6	
11/10/2010	13:01:02	476	7.6	9.37	805.2	
11/10/2010	13:02:42	464	7.6	9.39	817.8	
11/10/2010	13:04:22	450	7.6	9.39	830.4	
11/10/2010	13:06:02	469	7.5	9.41	842.9	
11/10/2010	13:07:42	492	7.6	9.42	855.5	
11/10/2010	13:09:22	490	7.6	9.40	868.2	
11/10/2010	13:11:02	499	7.6	9.43	880.8	
11/10/2010	13:12:42	497	7.6	9.43	893.5	
11/10/2010	13:14:22	498	7.6	9.40	906.2	
11/10/2010	13:17:42	502	7.6	9.42	931.5	
11/10/2010	13:19:22	500	7.6	9.46	944.2	
11/10/2010	13:21:02	502	7.6	9.46	956.9	
11/10/2010	13:22:42	322	4.8	9.47	965.3	
11/10/2010	13:24:22	317	4.8	9.49	973.3	
11/10/2010	13:25:57					End Tail Slurry
11/10/2010	13:25:57	318	4.8	9.49	980.9	
11/10/2010	13:25:58					End Cement Slurry
11/10/2010	13:25:58	318	4.8	9.48	981.0	
11/10/2010	13:26:01					Pumped 1110sks/559bbbls of 9.0ppg Litecrete.
11/10/2010	13:26:01					Good returns.
11/10/2010	13:26:01					Cement to surface at 535bbbls of cement away.
11/10/2010	13:26:01					Total cement to surface was 255bbbls.
11/10/2010	13:26:01	316	4.8	9.49	981.2	
11/10/2010	13:26:02	315	4.8	9.49	981.3	
11/10/2010	13:26:04					Drop Top Plug
11/10/2010	13:26:04	319	4.8	9.49	981.5	
11/10/2010	13:26:06					Start Displacement
11/10/2010	13:26:06					Displace with 10bbbls of viscosified water and 220bbbls of water.
11/10/2010	13:26:06	318	4.8	9.49	981.6	
11/10/2010	13:26:07					Good returns.
11/10/2010	13:26:07	318	4.8	9.49	981.7	
11/10/2010	13:27:42	319	4.8	9.47	989.3	
11/10/2010	13:29:22	312	4.8	9.47	997.3	
11/10/2010	13:31:02	316	4.8	9.54	1005.3	
11/10/2010	13:32:42	188	1.9	9.03	1009.1	
11/10/2010	13:34:22	183	1.8	9.12	1012.2	
11/10/2010	13:36:02	169	1.8	8.81	1015.2	
11/10/2010	13:37:42	234	4.9	8.67	1019.6	
11/10/2010	13:39:22	269	6.3	8.54	1029.6	
11/10/2010	13:41:02	283	6.3	8.49	1040.1	

Well			Field		Job Start		Customer		Job Number	
SGU 8509A-36 B36 496 SGU 8509A-36 B36 496			STORY GULCH		Nov/10/2010		ENCANA		BJ09-00038	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/10/2010	13:44:22	361	7.7	8.48	1062.9					
11/10/2010	13:46:02	356	7.5	8.33	1075.5					
11/10/2010	13:47:42	391	7.6	8.48	1088.3					
11/10/2010	13:49:22	387	7.6	8.47	1100.9					
11/10/2010	13:51:02	399	7.7	8.47	1113.7					
11/10/2010	13:52:42	409	7.6	8.47	1126.4					
11/10/2010	13:54:22	419	7.6	8.47	1139.1					
11/10/2010	13:56:02	430	7.6	8.47	1151.8					
11/10/2010	13:57:42	438	7.6	8.47	1164.5					
11/10/2010	13:59:22	205	1.9	8.47	1174.8					
11/10/2010	14:01:02	208	1.9	8.47	1178.0					
11/10/2010	14:02:42	207	2.0	8.47	1181.2					
11/10/2010	14:04:22	276	3.3	8.47	1184.6					
11/10/2010	14:06:02	318	4.8	8.53	1190.9					
11/10/2010	14:07:42	324	4.8	8.48	1199.0					
11/10/2010	14:09:22	271	3.4	8.47	1206.4					
11/10/2010	14:11:02	288	3.4	8.48	1212.0					
11/10/2010	14:12:42	238	1.9	8.48	1217.0					
11/10/2010	14:14:22	241	1.9	8.47	1220.2					
11/10/2010	14:16:02	248	1.9	8.47	1223.5					
11/10/2010	14:17:42	256	1.9	8.47	1226.7					
11/10/2010	14:19:22	262	1.9	8.47	1229.9					
11/10/2010	14:21:02	257	1.9	8.48	1233.2					
11/10/2010	14:22:42	260	1.9	8.48	1236.4					
11/10/2010	14:24:22	267	1.9	8.48	1239.6					
11/10/2010	14:26:02	270	1.9	8.48	1242.8					
11/10/2010	14:27:42	266	1.9	8.48	1246.1					
11/10/2010	14:29:22	356	1.9	8.48	1249.3					
11/10/2010	14:29:43					Bump Top Plug				
11/10/2010	14:29:43	1003	1.9	8.48	1250.0					
11/10/2010	14:29:44					End Displacement				
11/10/2010	14:29:44	1015	1.5	8.48	1250.0					
11/10/2010	14:29:47					Bumped plug to 1000psi.				
11/10/2010	14:29:47					Bleedoff pressure.				
11/10/2010	14:29:47					Check floats.				
11/10/2010	14:29:47					Floats held.				
11/10/2010	14:29:47	1024	0.9	8.48	1250.1					
11/10/2010	14:29:48					Got 1bbl back.				
11/10/2010	14:29:48					Total cement to surface was 255				
11/10/2010	14:29:48					Final displacement was 230bbbls.				
11/10/2010	14:29:48	1024	0.4	8.48	1250.1					
11/10/2010	14:29:49					Good returns for entire job.				
11/10/2010	14:29:49					Good strong cement returns.				
11/10/2010	14:29:49	1019	0.2	8.48	1250.1					
11/10/2010	14:31:02	999	0.0	8.48	1250.1					
11/10/2010	14:32:42	993	0.0	8.48	1250.1					
11/10/2010	14:34:22	-4	0.0	8.48	1250.1					
11/10/2010	14:36:02	-5	0.0	8.48	1250.1					
11/10/2010	14:37:42	1	0.0	8.48	1250.1					
11/10/2010	14:37:56					End Job				
11/10/2010	14:37:56	-6	0.0	8.48	1250.1					

Well SGU 8509A-36 B36 496 SGU 8509A-36 B36 496	Field STORY GULCH	Job Start Nov/10/2010	Customer ENCANA	Job Number BJ09-00038
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.0	N2	Mud	Maximum Rate 8.0	Total Slurry 559.0	Mud 160.0	Spacer 170.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2500	Final 1000	Average 300	Bump Plug to 1000	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 559.0 bbl		Displacement 230.0 bbl	Mix Water Temp 50 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 255.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>	To		
Customer or Authorized Representative IRA COX			Schlumberger Supervisor JEFF PATTERSON			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	