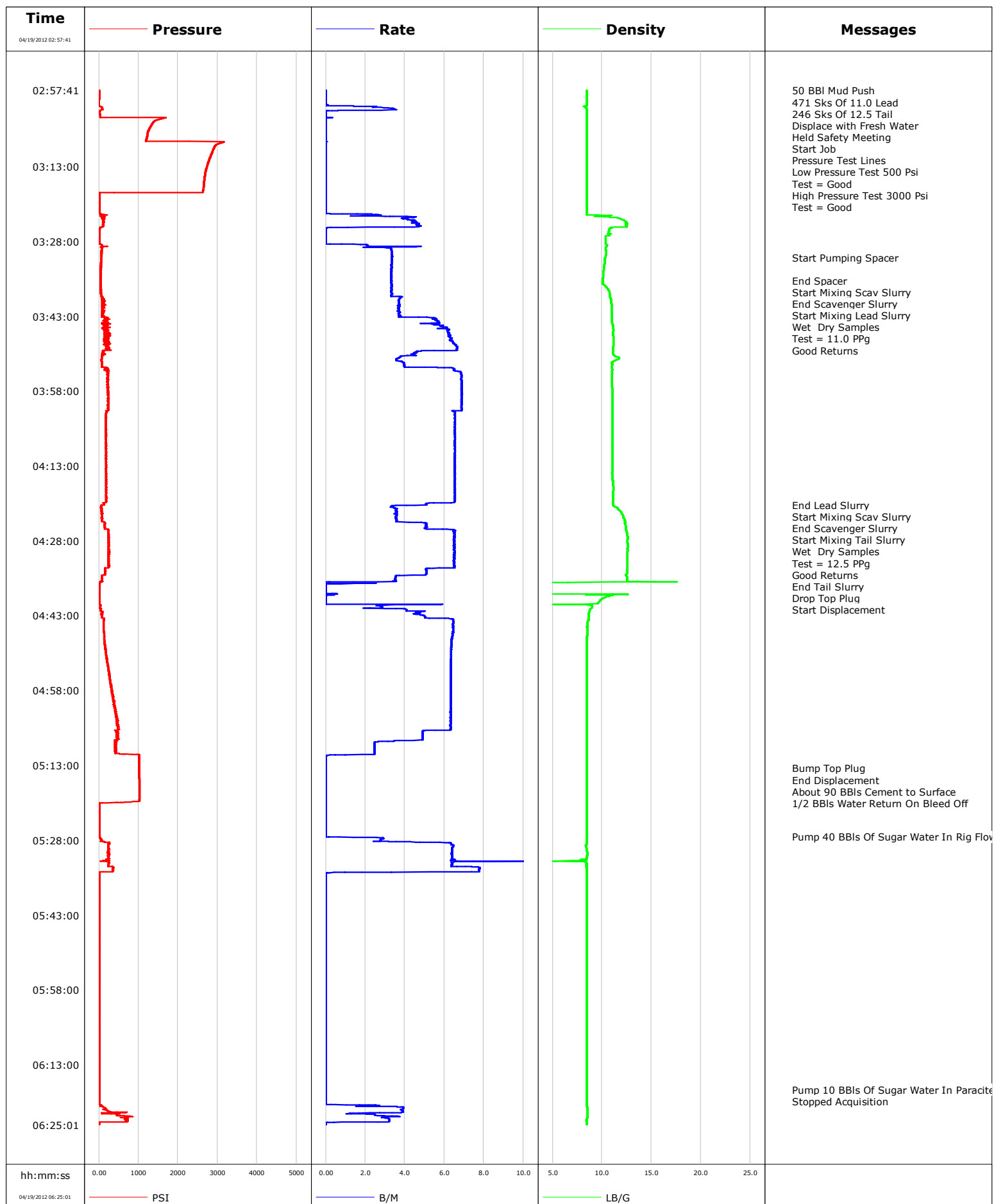


Well SGU 8514A-22
Field Story Gulch
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 04-19-2012

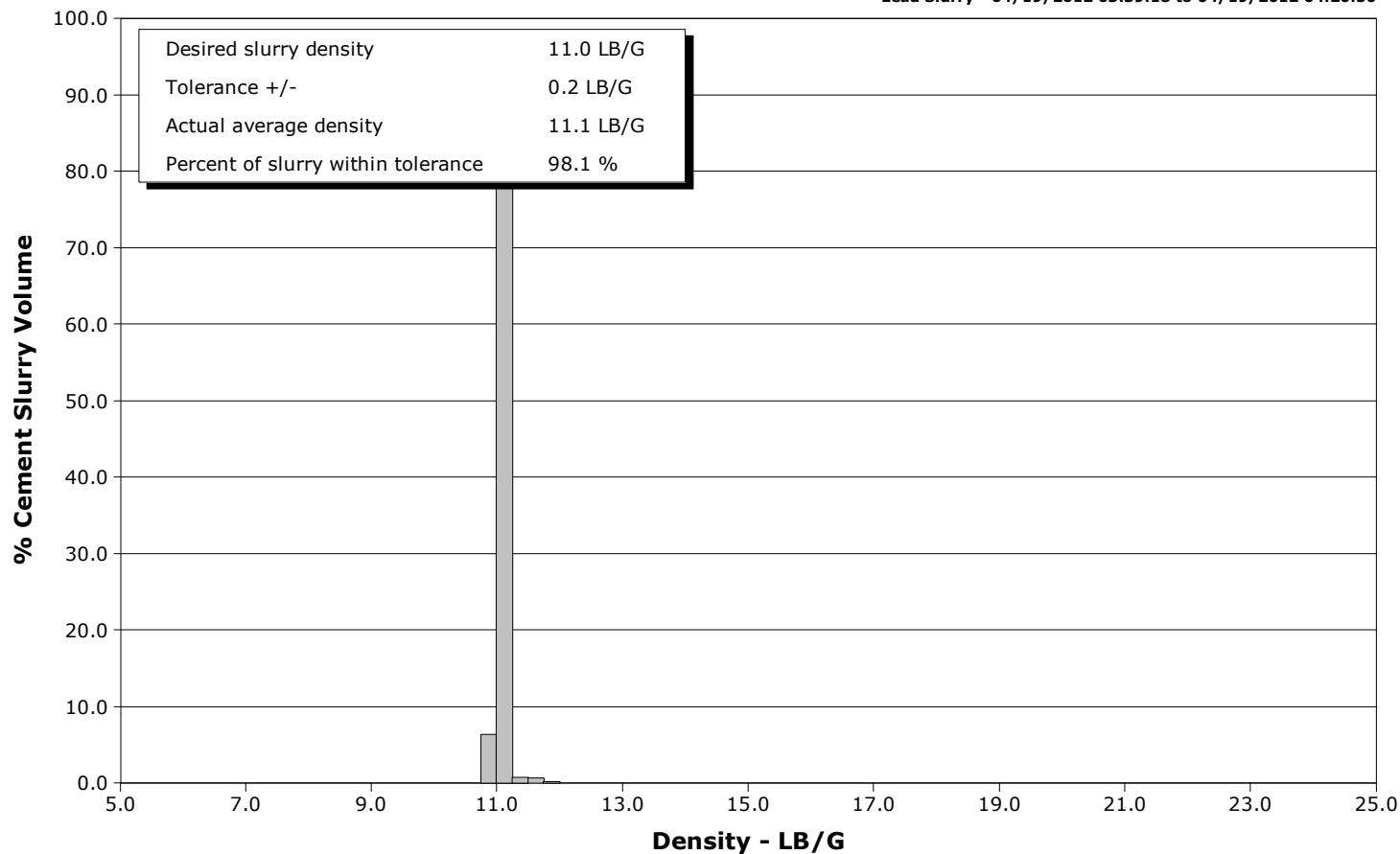


Schlumberger Cementing Qa/Qc Density Report

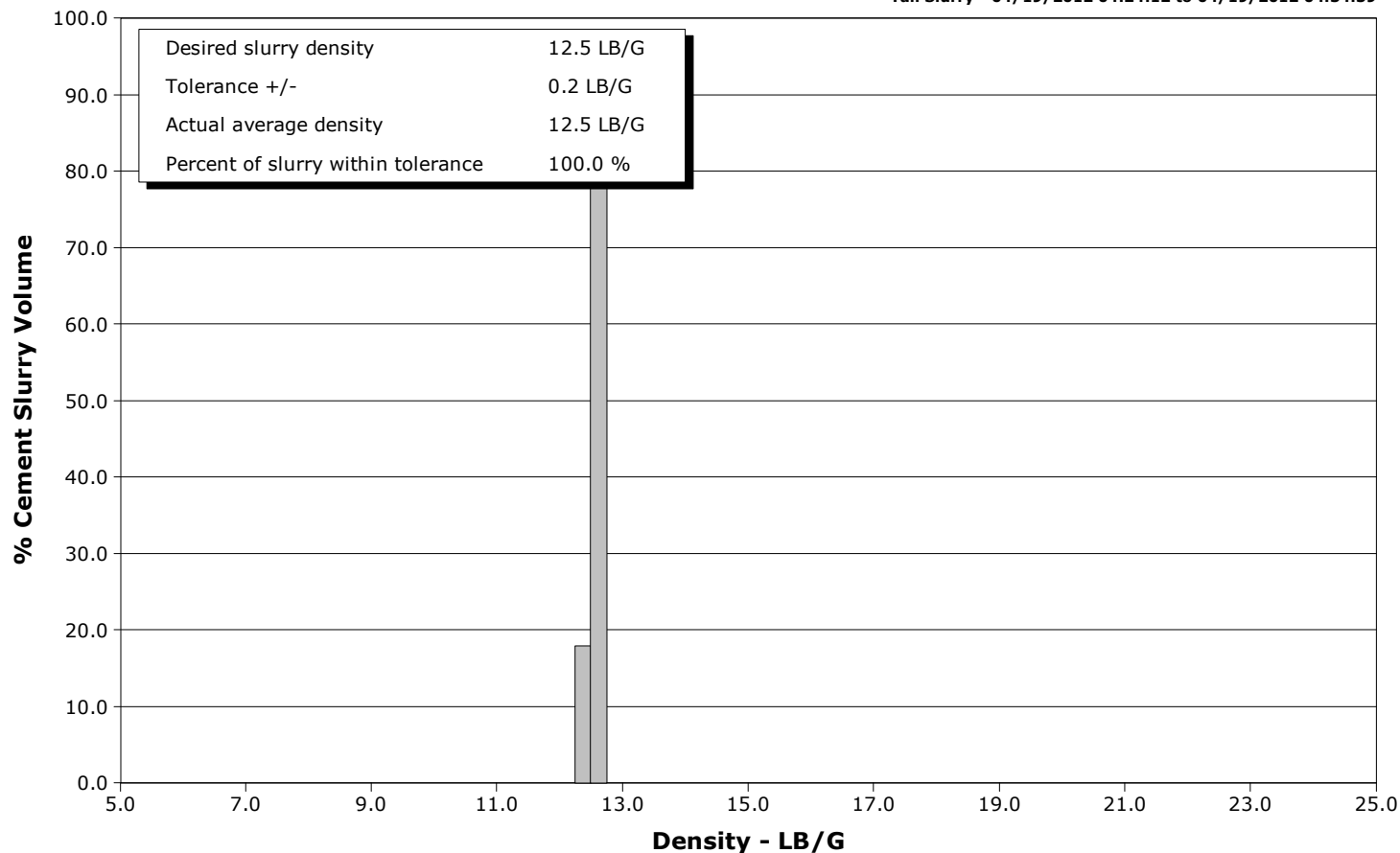
Well SGU 8514A-22
Field Story Gulch
Engineer
Country United States

Client Encana
SIR No.
Job Type 9 5/8 Surface
Job Date 04-19-2012

Lead Slurry - 04/19/2012 03:39:18 to 04/19/2012 04:20:50



Tail Slurry - 04/19/2012 04:24:12 to 04/19/2012 04:34:39





Cementing Service Report

				Customer Encana		Job Number BTX1-00413			
Well SGU 8514A-22			Location (legal)		Schlumberger Location GCO		Job Start Apr/19/2012		
Field Story Gulch		Formation Name/Type Shale		Deviation	Bit Size 14.8 in		Well MD		Well TVD
County Garfield		State/Province Colorado		BHP	BHST		BHCT		Pore Press. Gradient
Well Master		API/UWI							
Rig Name Patterson 306	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	120.0	16.000	65.0	J55		8RD	
			2135.0	9.630	36.0	J55		8RD	
Drilling Fluid Type Bentonite		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 3000 psi	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole						
			Top,	Bottom,		No. of Shots		Total Interval	
Service Instructions Rate And Density Checked 471 sks 11.0 Lead 246 sks 12.5 Tail Displace Fresh Water									
			Treat Down Casing	Displacement 161.0 bbl		Packer Type		Packer Depth	
			Tubing Vol.	Casing Vol. 163.0 bbl		Annular Vol. 261.0 bbl		Openhole Vol. 428.0 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 1056 psi			Shoe Type Guide			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2135.0 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 Apr/19/2012		Arrived on Location Apr/19/2012	Leave Location Apr/19/2012	Collar Type Float			Tail Pipe Depth		
				Collar Depth 2090.0 ft			Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
04/19/2012	01:42:02					Started Acquisition			
04/19/2012	02:57:41	1	0.0	8.46	0.0				
04/19/2012	02:57:42					50 BBI Mud Push			
04/19/2012	02:57:42					471 Sks Of 11.0 Lead			
04/19/2012	02:57:42					246 Sks Of 12.5 Tail			
04/19/2012	02:57:42					Displace with Fresh Water			
04/19/2012	02:57:42					Held Safety Meeting			
04/19/2012	02:57:42					Start Job			
04/19/2012	02:57:42	1	0.0	8.46	0.0				
04/19/2012	02:57:46					Pressure Test Lines			
04/19/2012	02:57:46	1	0.0	8.46	0.0				
04/19/2012	02:57:48					Low Pressure Test 500 Psi			
04/19/2012	02:57:48					Test = Good			
04/19/2012	02:57:48					High Pressure Test 3000 Psi			
04/19/2012	02:57:48					Test = Good			
04/19/2012	02:57:48	1	0.0	8.46	0.0				
04/19/2012	02:58:02	1	0.0	8.46	0.0				
04/19/2012	03:00:02	-1	0.0	8.46	0.0				
04/19/2012	03:02:02	21	0.0	8.46	2.6				
04/19/2012	03:04:02	1386	0.0	8.46	2.6				
04/19/2012	03:06:02	1239	0.0	8.46	2.6				

Well			Field		Job Start	Customer		Job Number
SGU 8514A-22			Story Gulch		Apr/19/2012	Encana		BTX1-00413
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/19/2012	03:10:02	2868	0.0	8.46	2.6			
04/19/2012	03:12:02	2768	0.0	8.46	2.6			
04/19/2012	03:14:02	2697	0.0	8.46	2.6			
04/19/2012	03:16:02	2658	0.0	8.46	2.6			
04/19/2012	03:18:02	2630	0.0	8.46	2.6			
04/19/2012	03:20:02	23	0.0	8.46	2.6			
04/19/2012	03:22:02	19	0.0	8.46	2.6			
04/19/2012	03:24:02	114	4.4	12.46	8.2			
04/19/2012	03:26:02	12	0.0	10.68	13.5			
04/19/2012	03:28:02	10	0.0	10.36	13.5			
04/19/2012	03:30:02	65	3.3	10.41	17.8			
04/19/2012	03:31:16					Start Pumping Spacer		
04/19/2012	03:31:16	56	3.3	10.34	21.9			
04/19/2012	03:32:02	57	3.3	10.29	24.5			
04/19/2012	03:34:02	43	3.3	10.10	31.1			
04/19/2012	03:35:51					End Spacer		
04/19/2012	03:35:51	44	3.3	10.09	37.1			
04/19/2012	03:36:02	44	3.3	10.09	37.7			
04/19/2012	03:36:52					Start Mixing Scav Slurry		
04/19/2012	03:36:52	44	3.3	10.30	40.5			
04/19/2012	03:38:02	53	3.3	10.72	44.4			
04/19/2012	03:39:15					End Scavenger Slurry		
04/19/2012	03:39:15	65	3.8	10.84	48.5			
04/19/2012	03:39:18					Start Mixing Lead Slurry		
04/19/2012	03:39:18	62	3.8	10.84	48.7			
04/19/2012	03:40:02	168	3.7	10.92	51.5			
04/19/2012	03:40:27					Wet Dry Samples		
04/19/2012	03:40:27	113	3.7	10.93	53.0			
04/19/2012	03:40:28					Test = 11.0 PPg		
04/19/2012	03:40:28					Good Returns		
04/19/2012	03:40:28	113	3.7	10.93	53.1			
04/19/2012	03:42:02	105	3.7	10.96	58.8			
04/19/2012	03:44:02	199	5.7	11.02	67.8			
04/19/2012	03:46:02	133	6.2	11.13	79.5			
04/19/2012	03:48:02	254	6.4	11.15	92.1			
04/19/2012	03:50:02	88	4.6	11.10	105.0			
04/19/2012	03:52:02	74	3.8	11.23	113.0			
04/19/2012	03:54:02	217	6.7	11.03	122.9			
04/19/2012	03:56:02	220	6.9	11.01	136.6			
04/19/2012	03:58:02	218	6.9	11.03	150.4			
04/19/2012	04:00:02	243	6.9	11.05	164.1			
04/19/2012	04:02:02	209	6.4	11.06	177.8			
04/19/2012	04:04:02	173	6.5	11.06	190.9			
04/19/2012	04:06:02	179	6.5	11.04	203.9			
04/19/2012	04:08:02	181	6.5	11.04	216.9			
04/19/2012	04:10:02	181	6.5	11.04	230.0			
04/19/2012	04:12:02	174	6.5	11.06	243.0			
04/19/2012	04:14:02	179	6.5	11.04	256.1			
04/19/2012	04:16:02	181	6.5	11.09	269.1			
04/19/2012	04:18:02	177	6.5	11.13	282.1			
04/19/2012	04:20:02	183	6.5	11.10	295.2			
04/19/2012	04:20:50					End Lead Slurry		
04/19/2012	04:20:50	66	5.1	11.12	299.8			
04/19/2012	04:20:53					Start Mixing Scav Slurry		

Well			Field		Job Start	Customer	Job Number
SGU 8514A-22			Story Gulch		Apr/19/2012	Encana	BTX1-00413
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/19/2012	04:22:02	68	3.6	11.84	304.0		
04/19/2012	04:24:02	74	3.6	12.31	311.1		
04/19/2012	04:24:10					End Scavenger Slurry	
04/19/2012	04:24:10	82	3.6	12.31	311.6		
04/19/2012	04:24:12					Start Mixing Tail Slurry	
04/19/2012	04:24:12	80	3.6	12.31	311.7		
04/19/2012	04:24:18					Wet Dry Samples	
04/19/2012	04:24:18	143	4.6	12.31	312.1		
04/19/2012	04:24:19					Test = 12.5 PPG	
04/19/2012	04:24:19					Good Returns	
04/19/2012	04:24:19	147	4.8	12.31	312.2		
04/19/2012	04:26:02	237	6.5	12.48	321.4		
04/19/2012	04:28:02	236	6.5	12.58	334.4		
04/19/2012	04:30:02	241	6.5	12.60	347.4		
04/19/2012	04:32:02	234	6.5	12.57	360.4		
04/19/2012	04:34:02	159	5.1	12.56	372.5		
04/19/2012	04:34:39					End Tail Slurry	
04/19/2012	04:34:39	151	5.1	12.51	375.7		
04/19/2012	04:36:02	72	3.5	12.51	381.0		
04/19/2012	04:36:18					Drop Top Plug	
04/19/2012	04:36:18	35	0.0	6.54	381.7		
04/19/2012	04:36:22					Start Displacement	
04/19/2012	04:36:22	26	0.0	3.61	381.7		
04/19/2012	04:38:02	9	0.0	0.47	381.8		
04/19/2012	04:40:02	9	0.0	9.78	381.9		
04/19/2012	04:42:02	42	4.1	8.74	386.3		
04/19/2012	04:44:02	124	6.4	8.62	396.7		
04/19/2012	04:46:02	120	6.4	8.51	409.6		
04/19/2012	04:48:02	134	6.4	8.46	422.4		
04/19/2012	04:50:02	166	6.3	8.46	435.1		
04/19/2012	04:52:02	203	6.3	8.46	447.8		
04/19/2012	04:54:02	241	6.3	8.46	460.4		
04/19/2012	04:56:02	281	6.3	8.46	473.1		
04/19/2012	04:58:02	335	6.3	8.46	485.7		
04/19/2012	05:00:02	367	6.3	8.46	498.3		
04/19/2012	05:02:02	409	6.3	8.46	511.0		
04/19/2012	05:04:02	481	6.3	8.46	523.6		
04/19/2012	05:06:02	468	5.0	8.46	536.1		
04/19/2012	05:08:02	432	3.7	8.46	545.9		
04/19/2012	05:10:02	431	2.5	8.46	551.0		
04/19/2012	05:12:02	1009	0.0	8.46	553.2		
04/19/2012	05:13:33					Bump Top Plug	
04/19/2012	05:13:33	1012	0.0	8.46	553.2		
04/19/2012	05:13:36					End Displacement	
04/19/2012	05:13:36	1013	0.0	8.46	553.2		
04/19/2012	05:14:02	1013	0.0	8.46	553.2		
04/19/2012	05:15:03					About 90 BBls Cement to Surface	
04/19/2012	05:15:03	1016	0.0	8.47	553.2		
04/19/2012	05:15:04					1/2 BBls Water Return On Bleed Off	
04/19/2012	05:15:04	1016	0.0	8.46	553.2		
04/19/2012	05:16:02	1018	0.0	8.47	553.2		
04/19/2012	05:18:02	1023	0.0	8.47	553.2		
04/19/2012	05:20:02	1020	0.0	8.47	553.2		
04/19/2012	05:22:02	6	0.0	8.47	553.2		

Well			Field		Job Start	Customer		Job Number
SGU 8514A-22			Story Gulch		Apr/19/2012	Encana		BTX1-00413
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/19/2012	05:26:02	4	0.0	8.47	553.2			
04/19/2012	05:27:14					Pump 40 BBls Of Sugar Water In Rig Flow Line		
04/19/2012	05:27:14	9	0.0	8.47	553.2			
04/19/2012	05:28:02	65	2.8	8.46	554.9			
04/19/2012	05:30:02	245	6.4	8.46	566.4			
04/19/2012	05:32:02	222	6.4	8.40	579.2			
04/19/2012	05:34:02	339	7.8	8.46	593.3			
04/19/2012	05:36:02	2	0.0	8.47	596.2			
04/19/2012	05:38:02	3	0.0	8.47	596.2			
04/19/2012	05:40:02	5	0.0	8.47	596.2			
04/19/2012	05:42:02	5	0.0	8.47	596.2			
04/19/2012	05:44:02	4	0.0	8.47	596.2			
04/19/2012	05:46:02	4	0.0	8.47	596.2			
04/19/2012	05:48:02	4	0.0	8.47	596.2			
04/19/2012	05:50:02	4	0.0	8.47	596.2			
04/19/2012	05:52:02	3	0.0	8.47	596.2			
04/19/2012	05:54:02	3	0.0	8.46	596.2			
04/19/2012	05:56:02	3	0.0	8.46	596.2			
04/19/2012	05:58:02	3	0.0	8.46	596.2			
04/19/2012	06:00:02	3	0.0	8.46	596.2			
04/19/2012	06:02:02	3	0.0	8.46	596.2			
04/19/2012	06:04:02	3	0.0	8.46	596.2			
04/19/2012	06:06:02	3	0.0	8.46	596.2			
04/19/2012	06:08:02	3	0.0	8.46	596.2			
04/19/2012	06:10:02	3	0.0	8.46	596.2			
04/19/2012	06:12:02	3	0.0	8.46	596.2			
04/19/2012	06:14:02	3	0.0	8.46	596.2			
04/19/2012	06:16:02	3	0.0	8.46	596.2			
04/19/2012	06:17:59					Pump 10 BBls Of Sugar Water In Paracite Line		
04/19/2012	06:17:59	3	0.0	8.46	596.2			
04/19/2012	06:18:02	2	0.0	8.46	596.2			
04/19/2012	06:20:02	3	0.0	8.47	596.2			
04/19/2012	06:22:02	178	3.8	8.53	599.4			
04/19/2012	06:24:02	725	3.2	8.41	605.5			

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		
				50 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed	
Garth Gramlich			Jordan Moreland			-	-	



Service Order #:	
Date:	Apr/19/2012
Operating Time:	0.0
Client Rep:	Encana
Schlumberger Engineer:	Jordan Moreland
Schlumberger FSM:	

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0	
					Sub-total	0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: