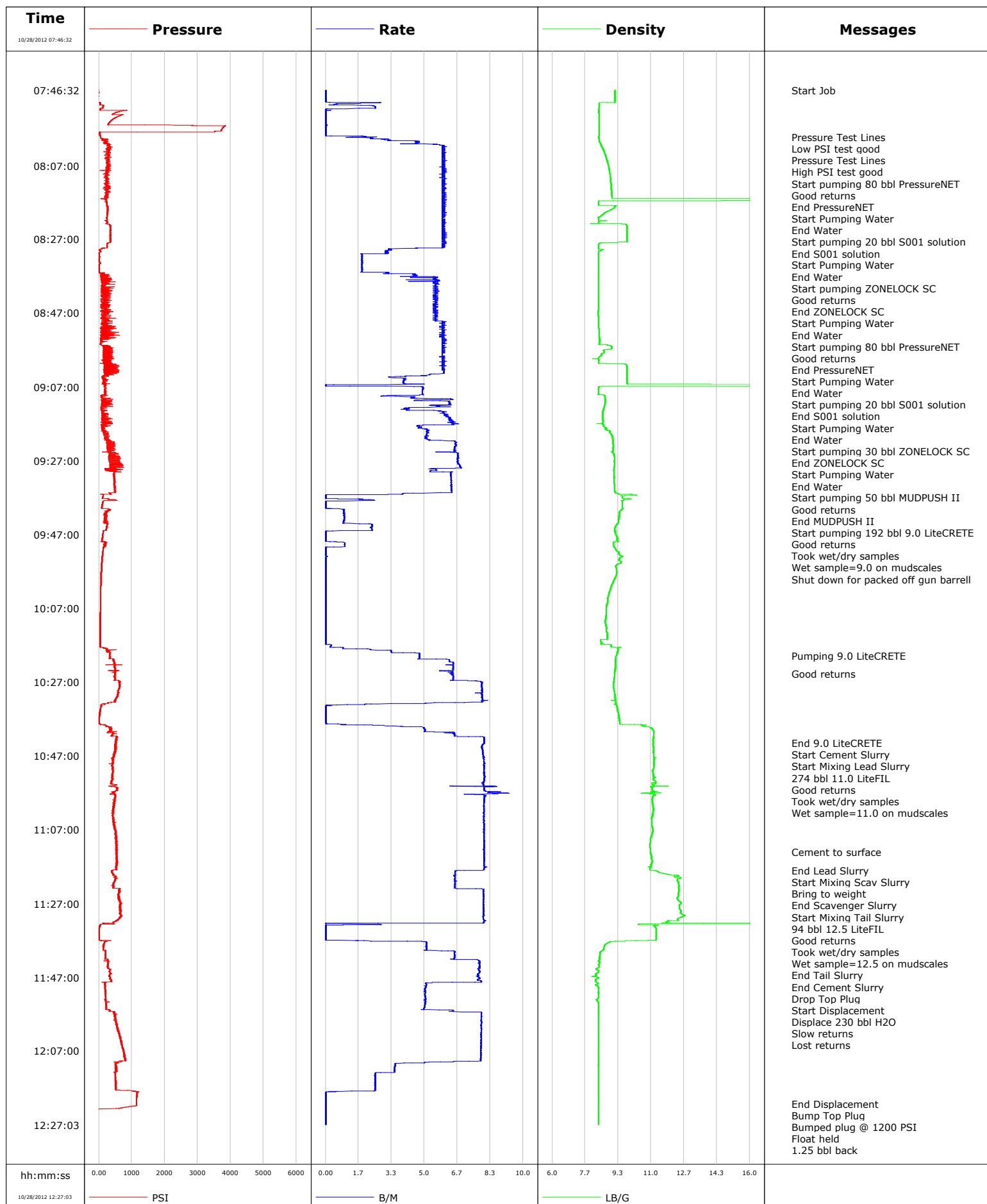


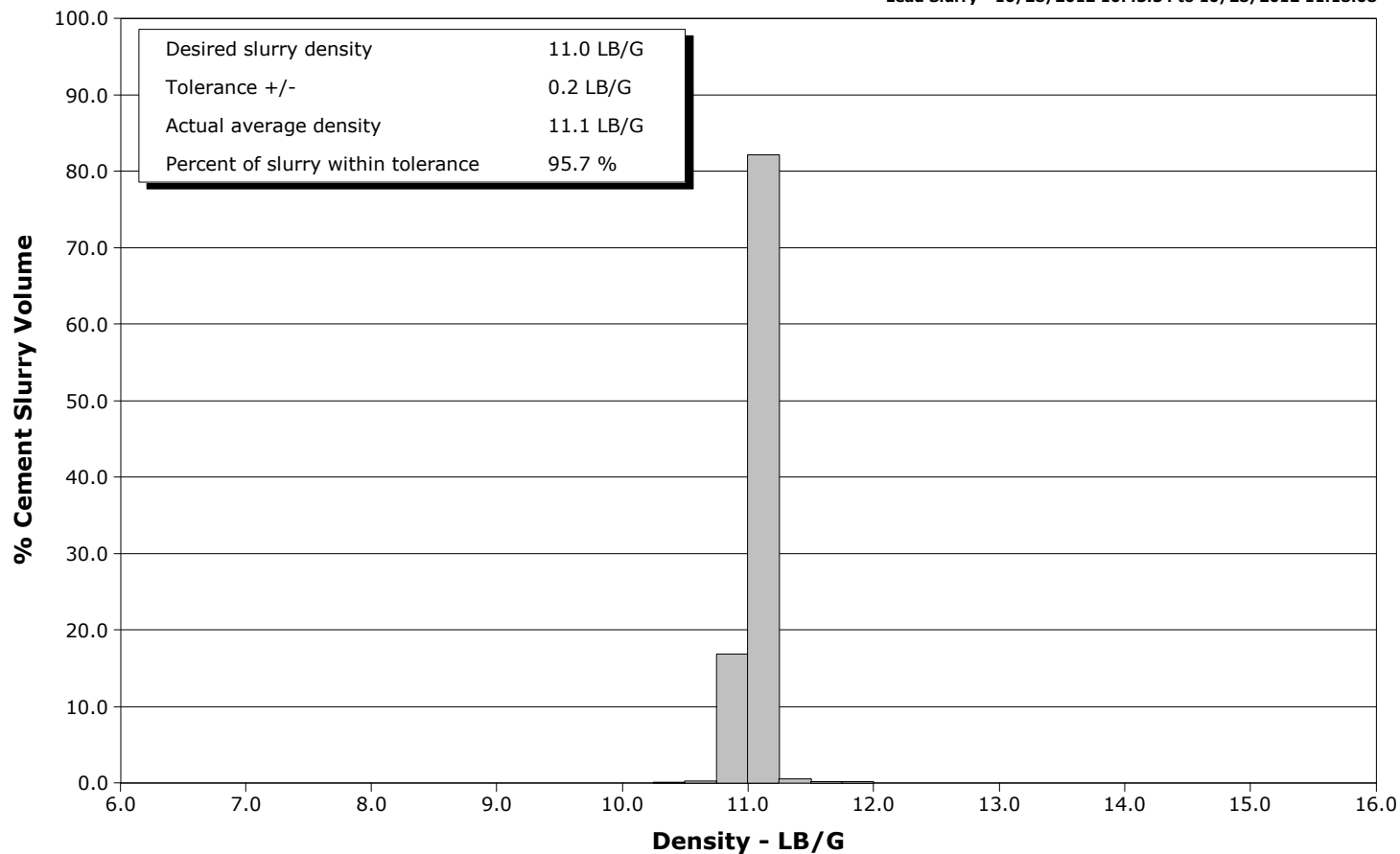
Well	SGU 8512C-24	Client	Encana
Field	Story Gulch	SIR No.	C610-00812
Engineer	Matt Fair/Ted Hansen	Job Type	9 5/8" Surface
Country	United States	Job Date	10-28-2012



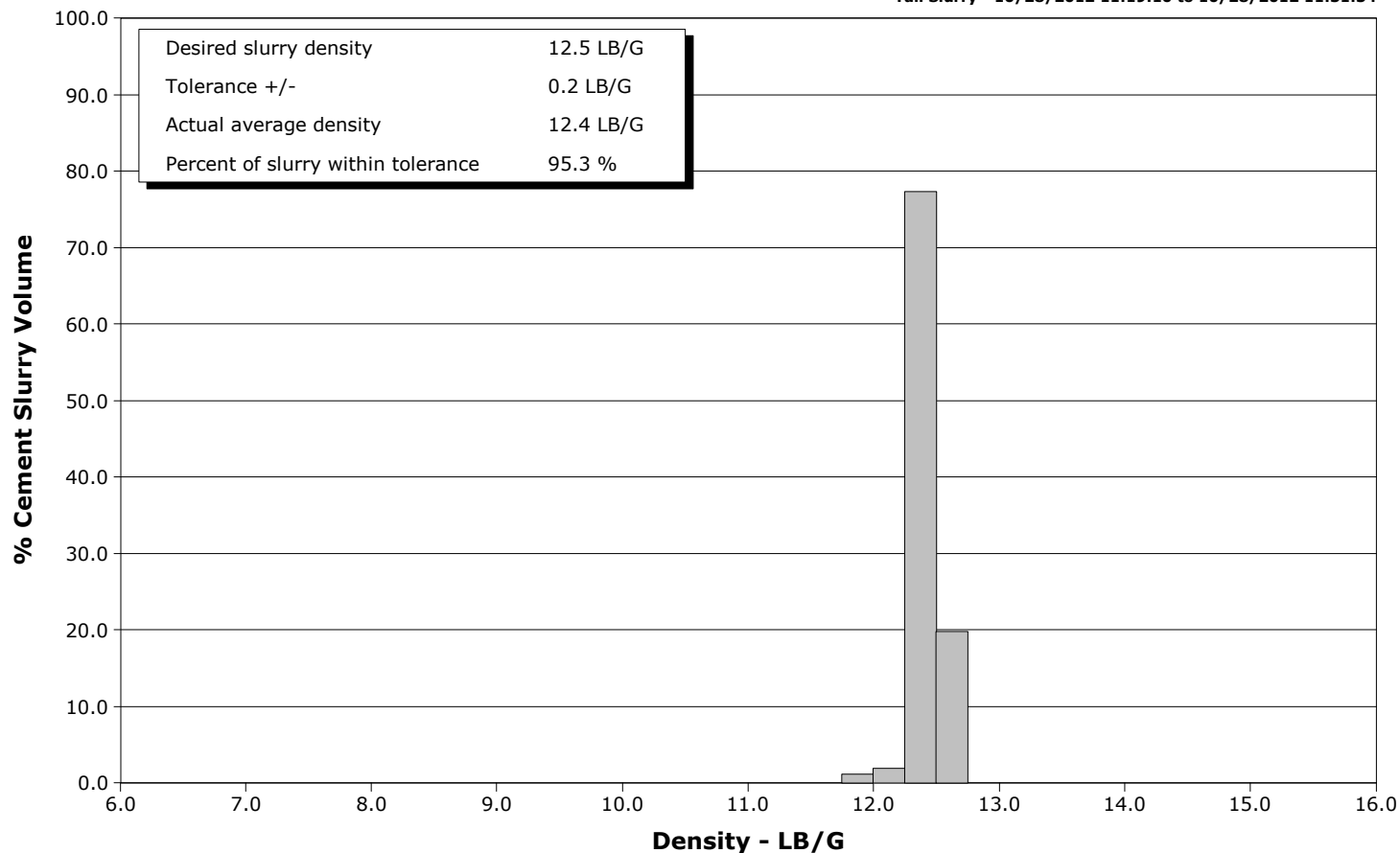
Well SGU 8512C-24
Field Story Gulch
Engineer Matt Fair/Ted Hansen
Country United States

Client Encana
SIR No. C610-00812
Job Type 9 5/8" Surface
Job Date 10-28-2012

Lead Slurry - 10/28/2012 10:43:34 to 10/28/2012 11:18:08



Tail Slurry - 10/28/2012 11:19:10 to 10/28/2012 11:31:34



					Customer Encana			Job Number C610-00812									
Well SGU 8512C-24				Location (legal)			Schlumberger Location			Job Start Oct/28/2012							
Field Story Gulch			Formation Name/Type Shale			Deviation deg		Bit Size 14.8 in		Well MD 3013.0 ft		Well TVD 3013.0 ft					
County Garfield			State/Province Colorado			BHP psi		BHST 120 degF		BHCT 96 degF		Pore Press. Gradient lb/gal					
Well Master 0631333751			API/UWI														
Rig Name Patterson 330		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		3013.0		9.6		36.0		J55		8RD			
						0.0		0.0		0.0							
Drilling Fluid Type Bentonite			Max. Density 9.00 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe										
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type 9 5/8" Surface															
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi		WH Connection Single Cement head		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
						ft		ft									
						ft		ft						Diameter in			
						ft		ft									
				Treat Down Casing		Displacement 230.0 bbl		Packer Type		Packer Depth ft							
				Tubing Vol. bbl		Casing Vol. 233.0 bbl		Annular Vol. 244.0 bbl		Openhole Vol. 633.0 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 1491 psi				Shoe Type Float				Squeeze Type									
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3013.0 ft				Tool Type									
No. Centralizers 22		Top Plugs 1		Bottom Plugs 0		Stage Tool Type				Tool Depth ft							
Cement Head Type Single				Stage Tool Depth ft				Tail Pipe Size in									
Job Scheduled For Oct/28/2012 05:00		Arrived on Location Oct/28/2012 05:00		Leave Location Oct/28/2012 15:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 2968.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message										
10/28/2012	07:46:32	9.18	-1	0.0	0.0	0.0	Started Acquisition										
10/28/2012	07:46:35	9.18	0	0.0	0.0	0.0	Start Job										
10/28/2012	07:49:02	9.18	-4	0.0	0.0	0.0											
10/28/2012	07:51:32	8.35	81	1.0	3.1	3.1											
10/28/2012	07:54:02	8.35	498	0.0	3.2	3.2											
10/28/2012	07:56:32	8.36	3781	0.0	3.2	3.2											
10/28/2012	07:59:02	8.35	53	1.9	0.1	3.3											
10/28/2012	07:59:14	8.35	58	2.5	0.6	3.7	Pressure Test Lines										
10/28/2012	07:59:15	8.35	52	2.6	0.6	3.8	Low PSI test good										
10/28/2012	07:59:16	8.35	52	1.4	0.6	3.8	Pressure Test Lines										
10/28/2012	07:59:17	8.35	55	1.4	0.7	3.8	High PSI test good										
10/28/2012	07:59:19	8.35	55	1.4	0.7	3.9	Start pumping 80 bbl PressureNET										
10/28/2012	08:01:32	8.48	251	6.0	9.5	12.7											
10/28/2012	08:03:17	8.63	275	5.9	19.9	23.1	Good returns										
10/28/2012	08:04:02	8.69	286	5.9	24.4	27.5											
10/28/2012	08:06:32	8.82	294	6.0	39.3	42.5											
10/28/2012	08:09:02	8.91	225	5.9	54.2	57.4											
10/28/2012	08:11:32	8.96	207	5.9	69.1	72.3											
10/28/2012	08:14:02	9.00	319	5.9	84.0	87.2											
10/28/2012	08:16:01	25.00	132	5.9	95.8	99.0	End PressureNET										
10/28/2012	08:16:13	25.00	186	5.9	1.1	100.2	Start Pumping Water										

Well SGU 8512C-24			Field Story Gulch		Job Start Oct/28/2012		Customer Encana	Job Number C610-00812
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message	
10/28/2012	08:17:54	9.24	240	5.9	11.1	110.2	End Water	
10/28/2012	08:17:56	9.20	249	5.9	11.3	110.4	Start pumping 20 bbl S001 solution	
10/28/2012	08:19:02	8.95	257	5.9	17.9	117.0		
10/28/2012	08:21:11	8.35	235	5.9	0.7	129.8	End S001 solution	
10/28/2012	08:21:13	8.35	248	5.9	0.9	130.0	Start Pumping Water	
10/28/2012	08:21:32	8.35	243	5.9	2.8	131.9		
10/28/2012	08:22:43	8.42	231	6.0	9.8	138.9	End Water	
10/28/2012	08:22:46	9.06	238	5.9	10.1	139.2	Start pumping ZONELOCK SC	
10/28/2012	08:24:02	9.78	363	6.0	7.4	146.7		
10/28/2012	08:24:58	9.78	358	6.0	13.0	152.3	Good returns	
10/28/2012	08:26:32	9.78	349	6.1	22.3	161.7		
10/28/2012	08:27:44	9.79	347	6.0	29.5	168.8	End ZONELOCK SC	
10/28/2012	08:27:47	9.70	337	5.9	29.8	169.1	Start Pumping Water	
10/28/2012	08:29:02	8.34	248	6.0	7.3	176.6		
10/28/2012	08:29:35	8.34	81	3.2	10.1	179.4	End Water	
10/28/2012	08:29:39	8.35	53	3.3	10.3	179.6	Start pumping 80 bbl PressureNET	
10/28/2012	08:31:32	8.35	9	1.8	5.1	184.7		
10/28/2012	08:33:55	8.35	11	1.8	9.5	189.1	Good returns	
10/28/2012	08:34:02	8.35	11	1.8	9.7	189.3		
10/28/2012	08:36:32	8.35	66	4.4	15.4	195.1		
10/28/2012	08:39:02	8.35	105	5.6	28.6	208.3		
10/28/2012	08:41:32	8.35	99	5.6	42.6	222.2		
10/28/2012	08:44:02	8.35	210	5.6	56.5	236.1		
10/28/2012	08:46:32	8.33	114	5.6	70.4	250.0		
10/28/2012	08:49:02	8.34	217	5.6	84.3	263.9		
10/28/2012	08:51:32	8.36	246	6.0	99.0	278.7		
10/28/2012	08:53:49	8.38	464	5.9	0.5	292.2	End PressureNET	
10/28/2012	08:53:51	8.38	52	5.9	0.7	292.4	Start Pumping Water	
10/28/2012	08:54:02	8.38	294	5.9	1.8	293.5		
10/28/2012	08:55:29	8.34	66	5.9	10.4	302.1	End Water	
10/28/2012	08:55:33	8.70	67	5.9	0.3	302.5	Start pumping 20 bbl S001 solution	
10/28/2012	08:56:32	9.00	392	6.0	6.1	308.3		
10/28/2012	08:58:59	8.36	200	5.9	0.5	322.8	End S001 solution	
10/28/2012	08:59:00	8.35	132	5.9	0.6	322.9	Start Pumping Water	
10/28/2012	08:59:02	8.35	204	5.9	0.8	323.1		
10/28/2012	09:00:34	8.36	185	5.9	9.9	332.2	End Water	
10/28/2012	09:00:38	8.35	397	5.9	0.2	332.6	Start pumping 30 bbl ZONELOCK SC	
10/28/2012	09:01:32	9.78	322	5.9	5.5	337.9		
10/28/2012	09:04:02	9.78	124	4.3	19.9	352.3		
10/28/2012	09:06:23	25.00	174	0.4	0.0	361.3	End ZONELOCK SC	
10/28/2012	09:06:25	25.00	206	0.0	0.0	361.3	Start Pumping Water	
10/28/2012	09:06:32	25.00	211	0.0	0.0	361.3		
10/28/2012	09:09:00	8.32	195	4.9	10.7	372.0	End Water	
10/28/2012	09:09:02	8.31	200	4.9	10.9	372.2		
10/28/2012	09:09:03	8.31	165	4.9	11.0	372.3	Start pumping 50 bbl MUDPUSH II	
10/28/2012	09:11:32	8.67	321	6.3	12.7	385.1		
10/28/2012	09:11:47	8.66	264	6.3	14.3	386.6	Good returns	
10/28/2012	09:14:02	8.56	110	6.0	26.0	398.3		
10/28/2012	09:16:32	8.56	332	6.6	41.5	413.8		
10/28/2012	09:18:54	8.89	151	5.2	0.3	426.6	End MUDPUSH II	
10/28/2012	09:18:56	8.94	96	5.2	0.5	426.8	Start pumping 192 bbl 9.0 LiteCRETE	
10/28/2012	09:19:02	8.91	116	5.2	1.0	427.3		
10/28/2012	09:21:32	9.08	363	5.4	13.9	440.1		
10/28/2012	09:23:27	9.09	337	6.5	26.4	452.7	Good returns	

Well			Field		Job Start		Customer	Job Number
SGU 8512C-24			Story Gulch		Oct/28/2012		Encana	C610-00812
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message	
10/28/2012	09:24:01	9.10	336	6.5	30.1	456.4	Wet sample=9.0 on mudscales	
10/28/2012	09:24:02	9.10	338	6.5	30.2	456.5		
10/28/2012	09:26:32	9.15	449	6.7	46.8	473.0		
10/28/2012	09:29:02	9.13	353	6.9	63.6	489.9		
10/28/2012	09:31:32	9.14	464	6.4	78.7	504.9		
10/28/2012	09:34:02	9.15	487	6.4	94.6	520.8		
10/28/2012	09:36:32	9.52	130	0.0	107.3	533.5		
10/28/2012	09:39:02	9.56	97	0.0	108.4	534.7		
10/28/2012	09:41:32	9.41	188	0.9	109.8	536.1		
10/28/2012	09:44:02	9.32	274	0.9	112.1	538.4		
10/28/2012	09:46:32	9.19	124	0.0	116.7	542.9		
10/28/2012	09:49:02	9.16	174	0.5	116.7	543.0		
10/28/2012	09:51:32	9.24	119	0.0	118.0	544.3		
10/28/2012	09:53:26	9.41	98	0.0	118.0	544.3	Shut down for packed off gun barrell	
10/28/2012	09:54:02	9.37	94	0.0	118.0	544.3		
10/28/2012	09:56:32	9.24	77	0.0	118.0	544.3		
10/28/2012	09:59:02	9.16	66	0.0	118.0	544.3		
10/28/2012	10:01:32	8.96	57	0.0	118.0	544.3		
10/28/2012	10:04:02	8.82	51	0.0	118.0	544.3		
10/28/2012	10:06:32	8.75	47	0.0	118.0	544.3		
10/28/2012	10:09:02	8.72	43	0.0	118.0	544.3		
10/28/2012	10:11:32	8.70	41	0.0	118.0	544.3		
10/28/2012	10:14:02	8.78	41	0.0	118.0	544.3		
10/28/2012	10:16:32	8.56	41	0.0	118.0	544.3		
10/28/2012	10:19:02	9.30	347	3.3	121.6	547.8		
10/28/2012	10:19:55	9.24	349	4.7	125.7	552.0	Pumping 9.0 LiteCRETE	
10/28/2012	10:21:32	9.20	464	6.3	134.5	560.8		
10/28/2012	10:24:02	9.18	526	6.0	150.5	576.8		
10/28/2012	10:24:43	9.16	485	6.4	154.9	581.1	Good returns	
10/28/2012	10:26:32	9.13	478	6.5	166.6	592.8		
10/28/2012	10:29:02	9.12	610	7.9	186.1	612.4		
10/28/2012	10:31:32	9.20	526	7.9	205.9	632.2		
10/28/2012	10:34:02	9.29	53	0.0	216.7	642.9		
10/28/2012	10:36:32	9.37	13	0.0	216.7	642.9		
10/28/2012	10:39:02	10.65	262	3.8	218.0	644.2		
10/28/2012	10:41:32	11.13	406	6.5	9.2	658.0		
10/28/2012	10:43:30	11.12	526	8.0	24.5	673.3	End 9.0 LiteCRETE	
10/28/2012	10:43:32	11.12	498	8.0	24.8	673.6	Start Cement Slurry	
10/28/2012	10:43:34	11.12	527	8.0	25.1	673.9	Start Mixing Lead Slurry	
10/28/2012	10:43:50	11.10	484	8.0	27.2	676.0	274 bbl 11.0 LiteFIL	
10/28/2012	10:44:02	11.09	520	7.9	28.8	677.6	Good returns	
10/28/2012	10:46:32	11.14	437	8.0	48.6	697.4		
10/28/2012	10:48:57	11.13	428	8.0	68.0	716.8	Took wet/dry samples	
10/28/2012	10:49:02	11.13	424	8.0	68.6	717.4		
10/28/2012	10:49:05	11.14	436	8.0	69.0	717.8	Wet sample=11.0 on mudscales	
10/28/2012	10:51:32	11.09	417	8.0	88.7	737.5		
10/28/2012	10:54:02	11.23	366	8.0	108.7	757.6		
10/28/2012	10:56:32	11.10	509	8.1	128.8	777.6		
10/28/2012	10:59:02	11.05	490	8.0	149.2	798.0		
10/28/2012	11:01:32	11.11	427	8.0	169.2	818.0		
10/28/2012	11:04:02	11.02	451	8.0	189.2	838.0		
10/28/2012	11:06:32	11.07	498	8.0	209.3	858.1		
10/28/2012	11:09:02	11.02	533	8.0	229.3	878.1		
10/28/2012	11:11:32	10.94	547	8.0	249.3	898.2		

Well SGU 8512C-24			Field Story Gulch		Job Start Oct/28/2012		Customer Encana		Job Number C610-00812
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_TTL_STAGE BBL	CPF1_TTL_VOLUME BBL	Message		
10/28/2012	11:14:02	11.00	535	8.0	269.4	918.2			
10/28/2012	11:16:32	11.00	525	8.0	289.4	938.3			
10/28/2012	11:18:08	11.18	389	6.8	302.2	951.0	End Lead Slurry		
10/28/2012	11:18:13	11.26	400	6.6	302.8	951.6	Start Mixing Scav Slurry		
10/28/2012	11:18:14	11.27	404	6.6	302.9	951.7	Bring to weight		
10/28/2012	11:19:02	11.72	421	6.6	308.1	957.0			
10/28/2012	11:19:10	11.85	432	6.6	309.0	957.8	End Scavenger Slurry		
10/28/2012	11:19:13	11.89	439	6.6	309.3	958.2	94 bbl 12.5 LiteFIL		
10/28/2012	11:21:32	12.39	438	6.6	9.2	973.3			
10/28/2012	11:24:02	12.40	628	8.0	26.9	991.1			
10/28/2012	11:24:09	12.39	606	8.0	27.9	992.0	Good returns		
10/28/2012	11:24:18	12.38	618	8.0	29.1	993.2	Took wet/dry samples		
10/28/2012	11:24:20	12.39	595	8.0	29.3	993.5	Wet sample=12.5 on mudscales		
10/28/2012	11:26:32	12.45	655	8.0	46.9	1011.1			
10/28/2012	11:29:02	12.50	631	8.0	66.9	1031.0			
10/28/2012	11:31:32	12.35	597	8.0	86.9	1051.0			
10/28/2012	11:31:34	12.36	571	8.0	87.1	1051.3	End Tail Slurry		
10/28/2012	11:31:35	12.36	571	8.0	87.3	1051.4	End Cement Slurry		
10/28/2012	11:34:02	11.26	9	0.0	94.8	1058.9			
10/28/2012	11:36:32	11.26	11	0.0	0.0	1058.9			
10/28/2012	11:39:02	8.62	134	5.1	9.3	1068.2	Drop Top Plug		
10/28/2012	11:39:03	8.62	132	5.1	9.4	1068.3	Start Displacement		
10/28/2012	11:41:32	8.40	197	6.5	24.4	1083.3			
10/28/2012	11:42:15	8.38	258	7.1	29.1	1088.0	Displace 230 bbl H2O		
10/28/2012	11:42:27	8.38	282	7.7	30.6	1089.5	Slow returns		
10/28/2012	11:44:02	8.37	258	7.8	42.9	1101.8			
10/28/2012	11:46:32	8.25	330	7.7	62.3	1121.2			
10/28/2012	11:49:02	8.30	178	5.1	80.3	1139.2			
10/28/2012	11:51:32	8.34	198	5.0	92.9	1151.8			
10/28/2012	11:54:02	8.34	206	5.1	105.5	1164.4			
10/28/2012	11:55:27	8.34	225	5.0	112.6	1171.5	Lost returns		
10/28/2012	11:56:32	8.34	461	7.9	119.0	1177.9			
10/28/2012	11:59:02	8.34	519	7.9	138.7	1197.7			
10/28/2012	12:01:32	8.34	568	7.9	158.4	1217.4			
10/28/2012	12:04:02	8.34	666	7.9	178.1	1237.1			
10/28/2012	12:06:32	8.34	710	7.9	197.8	1256.7			
10/28/2012	12:09:02	8.34	780	7.9	217.5	1276.4			
10/28/2012	12:11:32	8.34	539	3.5	230.9	1289.8			
10/28/2012	12:14:02	8.34	500	2.5	238.5	1297.4			
10/28/2012	12:16:32	8.33	502	2.5	244.7	1303.7			
10/28/2012	12:19:02	8.34	1147	0.0	248.4	1307.3			
10/28/2012	12:21:17	8.34	1141	0.0	248.4	1307.3	End Displacement		
10/28/2012	12:21:19	8.34	1141	0.0	248.4	1307.3	Bump Top Plug		
10/28/2012	12:21:32	8.34	1140	0.0	248.4	1307.3			
10/28/2012	12:24:02	8.34	-5	0.0	248.4	1307.3			
10/28/2012	12:26:32	8.34	-4	0.0	248.4	1307.3			
10/28/2012	12:26:35	8.34	-5	0.0	248.4	1307.3	Bumped plug @ 1200 PSI		
10/28/2012	12:26:45	8.34	-4	0.0	248.4	1307.3	Float held		
10/28/2012	12:26:46	8.34	-4	0.0	248.4	1307.3	1.25 bbl back		

Well	Field	Job Start	Customer	Job Number
SGU 8512C-24	Story Gulch	Oct/28/2012	Encana	C610-00812

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
5.9			9.3		559.0	0.0	50.0	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
3847	-5	340	1200			bbl		lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume	
%	559.0 bbl		230.8 bbl	58 degF	<input checked="" type="checkbox"/>		200.0 bbl	
Customer or Authorized Representative			Schlumberger Supervisor			Washed Thru Perfs		To
						<input type="checkbox"/>		ft
Nate Curley			Matt Fair/Ted Hansen			Circulation Lost		Job Completed
						<input type="checkbox"/>		<input checked="" type="checkbox"/>
						-		-



Service Quality Evaluation

Client:	Encana
Field:	Story Gulch
Rig:	Patterson 330
Well:	SGU 8512C-24
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	Oct/28/2012
Operating Time (hh:mm):	00:00
Client Rep:	Nate Curley
Schlumberger Engineer:	Matt Fair/Ted Hansen
Schlumberger FSM:	

Main Objective:

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

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1b	Free of environmental spill or non-compliant discharge	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1c	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
Sub-total					100%

3	Execution				
3a	Lost time < 30 mins	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3b	Equipment pressure tested successfully	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3d	Plugs / darts released and tested successfully	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3e	Density variation met expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3f	Personnel performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3g	Equipment performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3h	Job pumped as per design	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3i	Did job start on time	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
Sub-total					100%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	10
Sub-total					100%

Total 100%

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

Client:	Schlumberger:
	Water - 009787, 009786 9.0 - 009850 11.0 - 009920 12.5 - 010132
Client Signature:	Schlumberger Signature: