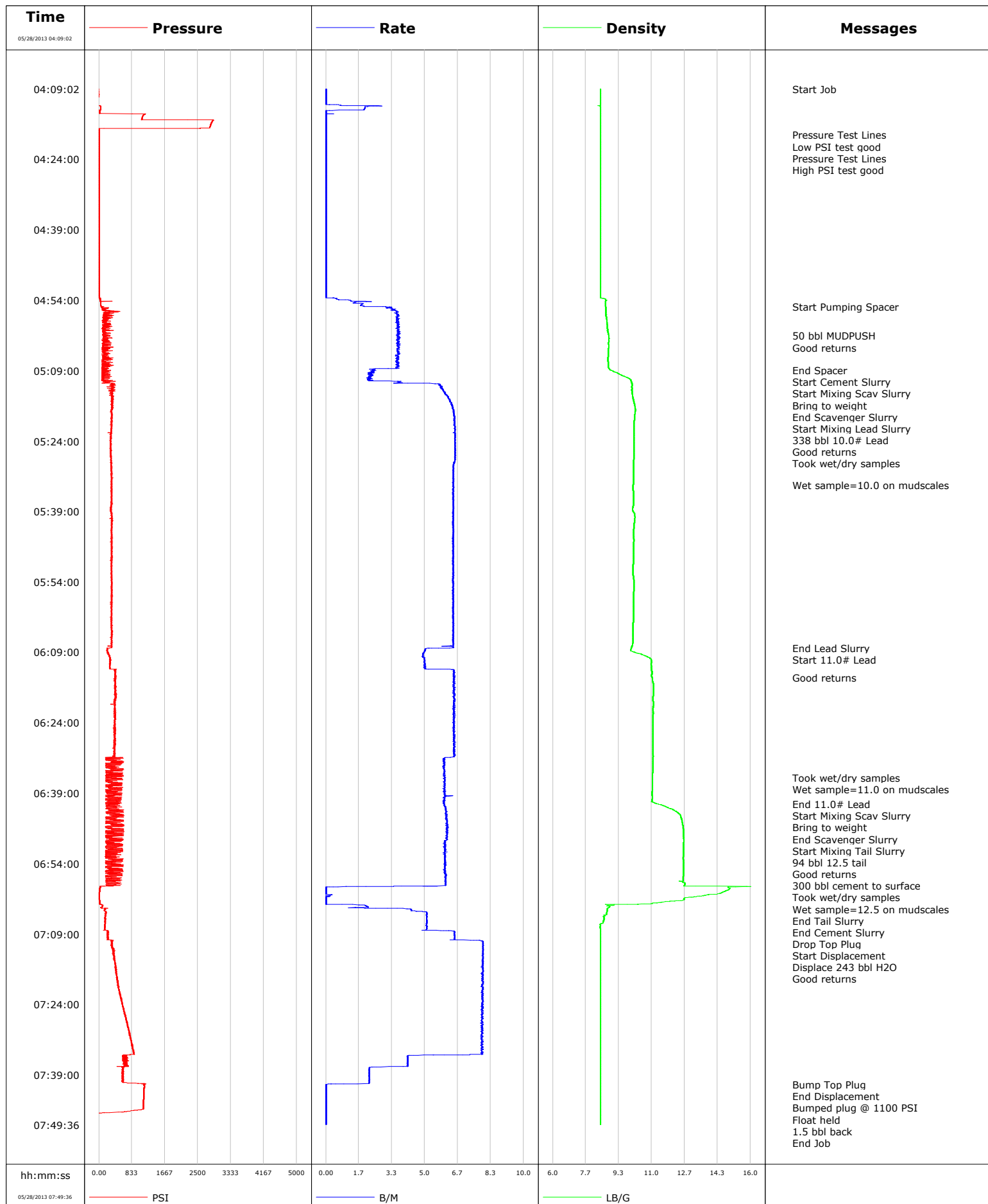


Well SGU 8505E-24
Field Story Gulch
Engineer Matt Fair/Mike Reedy
Country United States

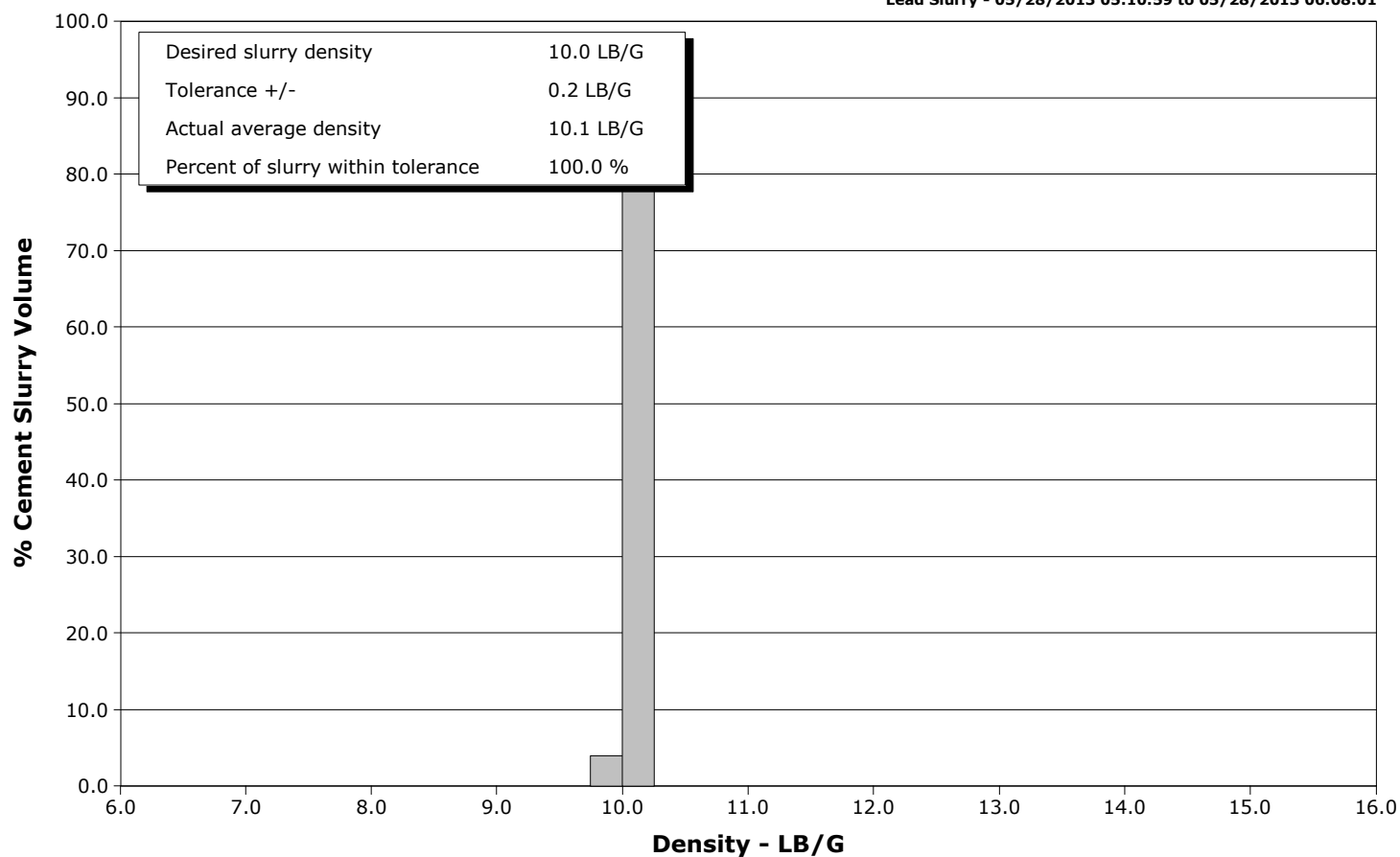
Client Encana
SIR No. CAIO-00140
Job Type 9 5/8" Surface
Job Date 05-28-2013



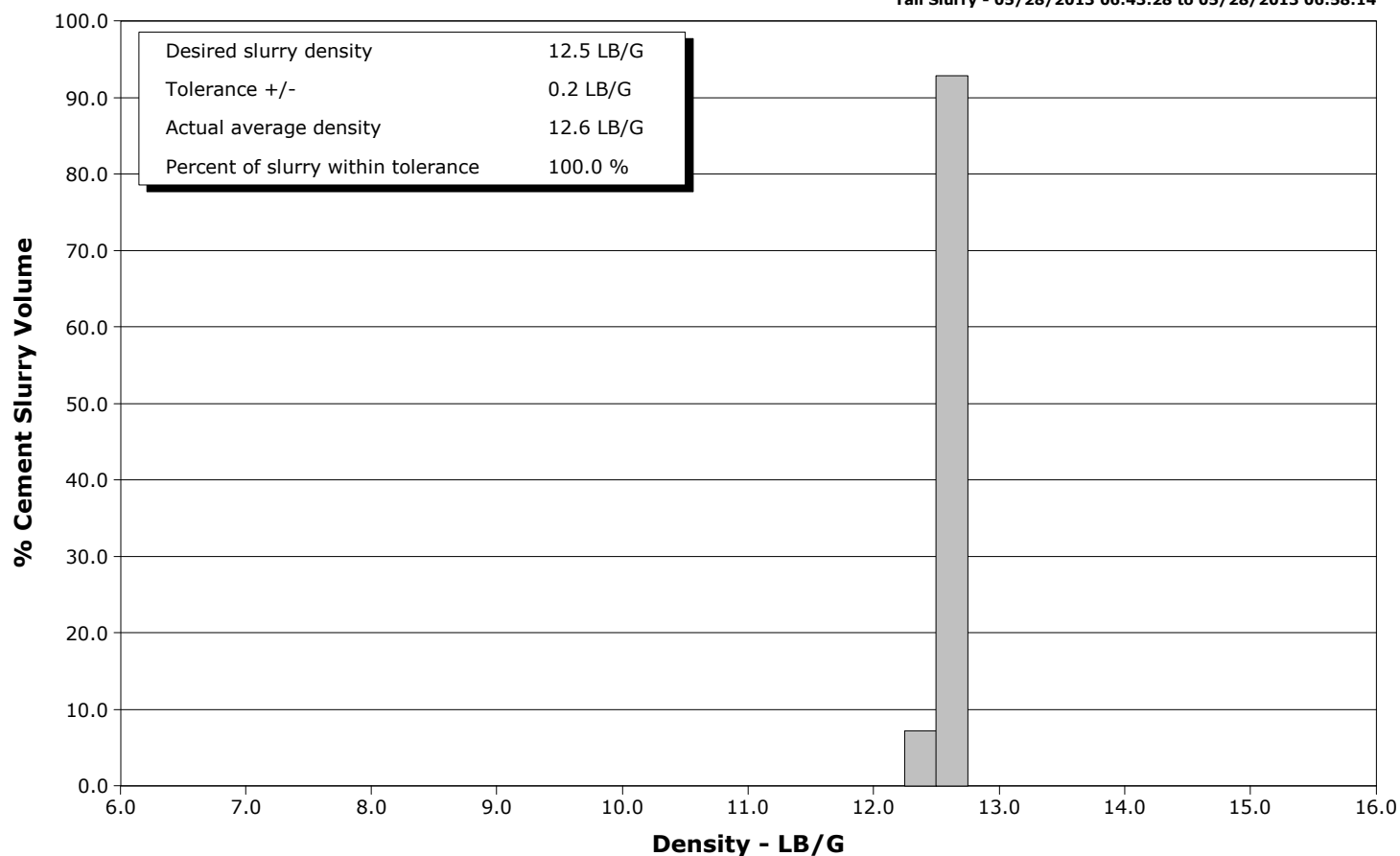
Well SGU 8505E-24
Field Story Gulch
Engineer Matt Fair/Mike Reedy
Country United States

Client Encana
SIR No. CAI0-00140
Job Type 9 5/8" Surface
Job Date 05-28-2013

Lead Slurry - 05/28/2013 05:10:59 to 05/28/2013 06:08:01



Tail Slurry - 05/28/2013 06:43:28 to 05/28/2013 06:58:14



					Customer Encana			Job Number CA10-00140			
Well SGU 8505E-24				Location (legal)			Schlumberger Location			Job Start May/28/2013	
Field Story Gulch			Formation Name/Type Shale			Deviation deg		Bit Size 14.8 in		Well MD 3191.0 ft	
County Garfield			State/Province Colorado			BHP psi		BHST 125 degF		BHCT 97 degF	
Well Master 0631465732			API/UWI								
Rig Name Patterson 330		Drilled For Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		3191.0		9.6		36.0	
						0.0		0.0		0.0	
Drilling Fluid Type Bentonite		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
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	
Service Instructions 688sks/338bbl 10# Y=2.76 483sks/182bbl 11# Y=2.12 251sks/94bbl 12.5# Y=2.11						ft		ft			
						ft		ft			
						ft		ft			
						Treat Down Casing		Displacement 243.0 bbl		Packer Type	
						Tubing Vol. bbl		Casing Vol. 247.0 bbl		Annular Vol. 181.0 bbl	
										Packer Depth ft	
										Openhole Vol. 668.0 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 1579 psi				Shoe Type Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3191.0 ft				Tool Type			
No. Centralizers		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 May/28/2013 02:00		Arrived on Location May/28/2013 02:00		Leave Location May/28/2013 09:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 3145.0 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				
05/28/2013	04:09:02	8.43	-1	0.0	16.5	16.5	Started Acquisition				
05/28/2013	04:09:05	8.43	-0	0.0	16.5	16.5	Start Job				
05/28/2013	04:11:32	8.43	-3	0.0	16.5	16.5					
05/28/2013	04:14:02	8.41	14	0.0	2.1	2.1					
05/28/2013	04:16:32	8.41	2828	0.0	2.1	2.1					
05/28/2013	04:18:49	8.41	8	0.0	2.1	2.1	Pressure Test Lines				
05/28/2013	04:18:50	8.41	8	0.0	2.1	2.1	Low PSI test good				
05/28/2013	04:18:51	8.41	8	0.0	2.1	2.1	Pressure Test Lines				
05/28/2013	04:18:52	8.41	8	0.0	2.1	2.1	High PSI test good				
05/28/2013	04:19:02	8.41	3	0.0	2.1	2.1					
05/28/2013	04:21:32	8.41	3	0.0	2.1	2.1					
05/28/2013	04:24:02	8.41	11	0.0	2.1	2.1					
05/28/2013	04:26:32	8.41	11	0.0	2.1	2.1					
05/28/2013	04:29:02	8.41	10	0.0	2.1	2.1					
05/28/2013	04:31:32	8.41	9	0.0	2.1	2.1					
05/28/2013	04:34:02	8.41	9	0.0	2.1	2.1					
05/28/2013	04:36:32	8.41	11	0.0	2.1	2.1					
05/28/2013	04:39:02	8.41	9	0.0	2.1	2.1					
05/28/2013	04:41:32	8.41	9	0.0	2.1	2.1					
05/28/2013	04:44:02	8.41	9	0.0	2.1	2.1					
05/28/2013	04:46:32	8.41	9	0.0	2.1	2.1					

Well			Field		Job Start		Customer	Job Number
SGU 8505E-24			Story Gulch		May/28/2013		Encana	CAI0-00140
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	
05/28/2013	04:51:32	8.41	9	0.0	2.1	2.1		
05/28/2013	04:54:02	8.70	36	1.2	2.5	2.5		
05/28/2013	04:55:25	8.67	116	2.9	4.8	4.8	Start Pumping Spacer	
05/28/2013	04:56:32	8.68	496	3.6	8.5	8.5		
05/28/2013	04:59:02	8.74	125	3.6	17.6	17.6		
05/28/2013	05:01:32	8.82	292	3.6	26.7	26.7		
05/28/2013	05:01:38	8.82	119	3.7	27.1	27.1	50 bbl MUDPUSH	
05/28/2013	05:02:47	8.83	247	3.6	31.3	31.3	Good returns	
05/28/2013	05:04:02	8.83	363	3.7	35.9	35.9		
05/28/2013	05:06:32	8.79	101	3.6	45.0	45.0		
05/28/2013	05:08:58	8.96	301	2.4	53.4	53.4	End Spacer	
05/28/2013	05:09:00	8.99	143	2.5	53.5	53.5	Start Cement Slurry	
05/28/2013	05:09:01	8.99	130	2.3	53.5	53.5	Bring to weight	
05/28/2013	05:09:02	9.01	78	2.3	53.5	53.5		
05/28/2013	05:10:49	9.91	95	2.3	0.2	57.6	End Scavenger Slurry	
05/28/2013	05:10:59	9.94	72	2.2	0.6	57.9	Start Mixing Lead Slurry	
05/28/2013	05:11:03	9.96	84	2.1	0.7	58.1	338 bbl 10.0# Lead	
05/28/2013	05:11:32	9.99	176	3.7	2.2	59.6		
05/28/2013	05:14:02	10.02	330	6.1	16.4	73.8		
05/28/2013	05:16:32	10.14	340	6.4	32.0	89.4		
05/28/2013	05:19:02	10.13	325	6.5	48.1	105.5		
05/28/2013	05:21:32	10.10	314	6.5	64.4	121.8		
05/28/2013	05:23:22	10.11	308	6.5	76.4	133.7	Good returns	
05/28/2013	05:24:02	10.11	293	6.5	80.7	138.1		
05/28/2013	05:24:42	10.11	304	6.5	85.1	142.4	Took wet/dry samples	
05/28/2013	05:26:32	10.11	300	6.5	97.0	154.4		
05/28/2013	05:29:02	10.07	313	6.5	113.3	170.7		
05/28/2013	05:31:32	10.09	313	6.4	129.4	186.8		
05/28/2013	05:33:18	10.07	310	6.5	140.8	198.2	Wet sample=10.0 on mudscales	
05/28/2013	05:34:02	10.06	316	6.4	145.5	202.9		
05/28/2013	05:36:32	10.09	316	6.4	161.6	219.0		
05/28/2013	05:39:02	10.06	303	6.4	177.7	235.1		
05/28/2013	05:41:32	10.12	316	6.4	193.8	251.1		
05/28/2013	05:44:02	10.09	324	6.4	209.9	267.2		
05/28/2013	05:46:32	10.08	325	6.4	226.0	283.3		
05/28/2013	05:49:02	10.08	340	6.4	242.0	299.4		
05/28/2013	05:51:32	10.05	315	6.4	258.1	315.5		
05/28/2013	05:54:02	10.10	322	6.4	274.2	331.6		
05/28/2013	05:56:32	10.09	322	6.4	290.3	347.6		
05/28/2013	05:59:02	10.09	325	6.4	306.4	363.7		
05/28/2013	06:01:32	10.08	305	6.4	322.4	379.8		
05/28/2013	06:04:02	10.05	327	6.5	338.5	395.9		
05/28/2013	06:06:32	10.05	318	6.4	354.6	412.0		
05/28/2013	06:08:01	9.98	316	6.4	364.1	421.5	End Lead Slurry	
05/28/2013	06:08:04	9.98	316	6.4	364.4	421.8	Start 11.0# Lead	
05/28/2013	06:09:02	10.14	223	5.0	369.4	426.8		
05/28/2013	06:11:32	10.97	269	5.0	5.5	439.2		
05/28/2013	06:14:02	10.98	408	6.5	20.1	453.7		
05/28/2013	06:14:28	11.03	437	6.5	22.9	456.5	Good returns	
05/28/2013	06:16:32	11.10	417	6.5	36.2	469.9		
05/28/2013	06:19:02	11.07	425	6.5	52.4	486.1		
05/28/2013	06:21:32	11.07	402	6.5	68.6	502.3		
05/28/2013	06:24:02	11.07	400	6.5	84.8	518.5		
05/28/2013	06:26:32	11.06	377	6.5	101.0	534.7		

Well SGU 8505E-24			Field Story Gulch		Job Start May/28/2013		Customer Encana	Job Number CAIO-00140
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	
05/28/2013	06:31:32	11.07	167	6.0	133.4	567.0		
05/28/2013	06:34:02	11.05	306	6.0	148.3	582.0		
05/28/2013	06:35:36	11.05	330	6.0	157.7	591.3	Took wet/dry samples	
05/28/2013	06:35:46	11.05	391	6.0	158.7	592.3	Wet sample=11.0 on mudscales	
05/28/2013	06:36:32	11.04	274	6.0	163.3	597.0		
05/28/2013	06:39:02	11.02	367	6.0	178.3	611.9		
05/28/2013	06:41:19	11.29	262	6.0	192.0	625.7	End 11.0# Lead	
05/28/2013	06:41:31	11.49	181	6.0	193.2	626.9	Start Mixing Scav Slurry	
05/28/2013	06:41:32	11.50	182	6.0	193.3	627.0	Bring to weight	
05/28/2013	06:43:27	12.40	363	6.1	1.3	638.6	End Scavenger Slurry	
05/28/2013	06:43:28	12.41	568	6.1	1.4	638.7	Start Mixing Tail Slurry	
05/28/2013	06:43:29	12.41	568	6.1	1.5	638.8	94 bbl 12.5 tail	
05/28/2013	06:44:02	12.47	178	6.1	4.9	642.1		
05/28/2013	06:46:32	12.59	427	6.1	20.2	657.4		
05/28/2013	06:48:44	12.62	502	6.1	33.6	670.9	Good returns	
05/28/2013	06:48:50	12.62	267	6.1	34.2	671.5	300 bbl cement to surface	
05/28/2013	06:48:59	12.62	301	6.1	35.2	672.4	Took wet/dry samples	
05/28/2013	06:49:02	12.62	371	6.0	35.5	672.7		
05/28/2013	06:49:07	12.62	584	6.0	36.0	673.2	Wet sample=12.5 on mudscales	
05/28/2013	06:51:32	12.60	161	6.0	50.5	687.8		
05/28/2013	06:54:02	12.61	314	6.0	65.6	702.8		
05/28/2013	06:56:32	12.61	200	6.1	80.6	717.9		
05/28/2013	06:58:14	12.69	530	6.0	90.9	728.2	End Tail Slurry	
05/28/2013	06:58:20	12.66	344	6.1	91.5	728.8	End Cement Slurry	
05/28/2013	06:59:02	14.86	37	0.0	94.9	732.1		
05/28/2013	07:01:32	12.65	7	0.0	0.1	732.2		
05/28/2013	07:04:02	8.75	136	4.3	3.6	735.7		
05/28/2013	07:05:23	8.58	152	5.1	10.3	742.4	Drop Top Plug	
05/28/2013	07:05:24	8.58	163	5.1	10.4	742.5	Displace 243 bbl H2O	
05/28/2013	07:06:32	8.55	161	5.1	16.2	748.3		
05/28/2013	07:09:02	8.41	235	6.5	29.9	762.1		
05/28/2013	07:11:14	8.41	328	7.9	45.5	777.6	Good returns	
05/28/2013	07:11:32	8.41	302	7.9	47.9	780.0		
05/28/2013	07:14:02	8.41	389	8.0	67.7	799.8		
05/28/2013	07:16:32	8.41	439	7.9	87.5	819.6		
05/28/2013	07:19:02	8.41	464	7.9	107.3	839.4		
05/28/2013	07:21:32	8.41	532	7.9	127.1	859.2		
05/28/2013	07:24:02	8.41	596	7.9	146.9	879.0		
05/28/2013	07:26:32	8.41	656	7.9	166.6	898.8		
05/28/2013	07:29:02	8.41	736	7.9	186.4	918.5		
05/28/2013	07:31:32	8.41	807	7.9	206.1	938.2		
05/28/2013	07:34:02	8.41	875	7.9	225.8	958.0		
05/28/2013	07:36:32	8.41	617	4.1	239.0	971.1		
05/28/2013	07:39:02	8.41	605	2.2	246.0	978.2		
05/28/2013	07:40:58	8.41	1138	0.5	250.2	982.4	Bump Top Plug	
05/28/2013	07:40:59	8.41	1117	0.3	250.3	982.4	End Displacement	
05/28/2013	07:41:00	8.41	1117	0.3	250.3	982.4	Bumped plug @ 1100 PSI	
05/28/2013	07:41:32	8.41	1142	0.0	250.3	982.4		
05/28/2013	07:44:02	8.41	1129	0.0	250.3	982.4		
05/28/2013	07:46:32	8.41	961	0.0	250.3	982.4		
05/28/2013	07:48:33	8.41	-1	0.0	250.3	982.4	Float held	
05/28/2013	07:48:40	8.41	-1	0.0	250.3	982.4	1.5 bbl back	
05/28/2013	07:49:02	8.41	-1	0.0	250.3	982.4		

Well SGU 8505E-24	Field Story Gulch	Job Start May/28/2013	Customer Encana	Job Number CAI0-00140
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.9	N2	Mud	Maximum Rate 8.0		Total Slurry 615.0	Mud 0.0	Spacer 51.4	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2893	Final -1	Average 334	Bump Plug to 1100	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 614.0 bbl	Displacement 241.3 bbl	Mix Water Temp 58 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 300.0 bbl	
					Washed Thru Perfs <input type="checkbox"/>		To ft	
Customer or Authorized Representative Buddy Burke			Schlumberger Supervisor Matt Fair/Mike Reedy			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-



Service Quality Evaluation

Client:	Encana
Field:	Story Gulch
Rig:	Patterson 330
Well:	SGU 8505E-24
Service Line:	Cementing
Job Type:	9 5/8" Surface

Service Order #:	
Date:	May/28/2013
Operating Time (hh:mm):	00:00
Client Rep:	Buddy Burke
Schlumberger Engineer:	Matt Fair/Mike Reedy
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 - 009529, 009560 10# - 010213, 010196 11# - 009706 12.5# - 009930
Client Signature:	Schlumberger Signature: