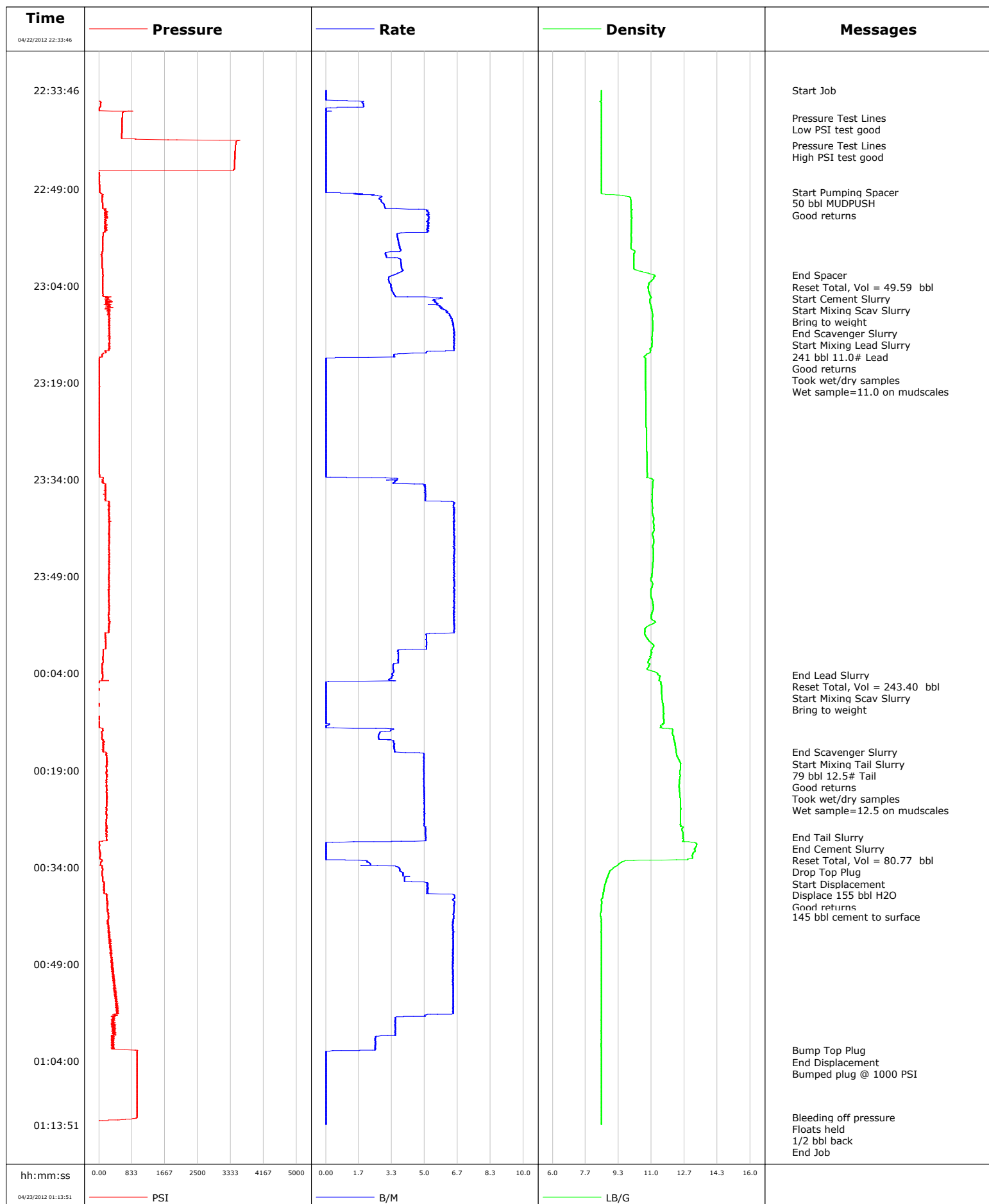


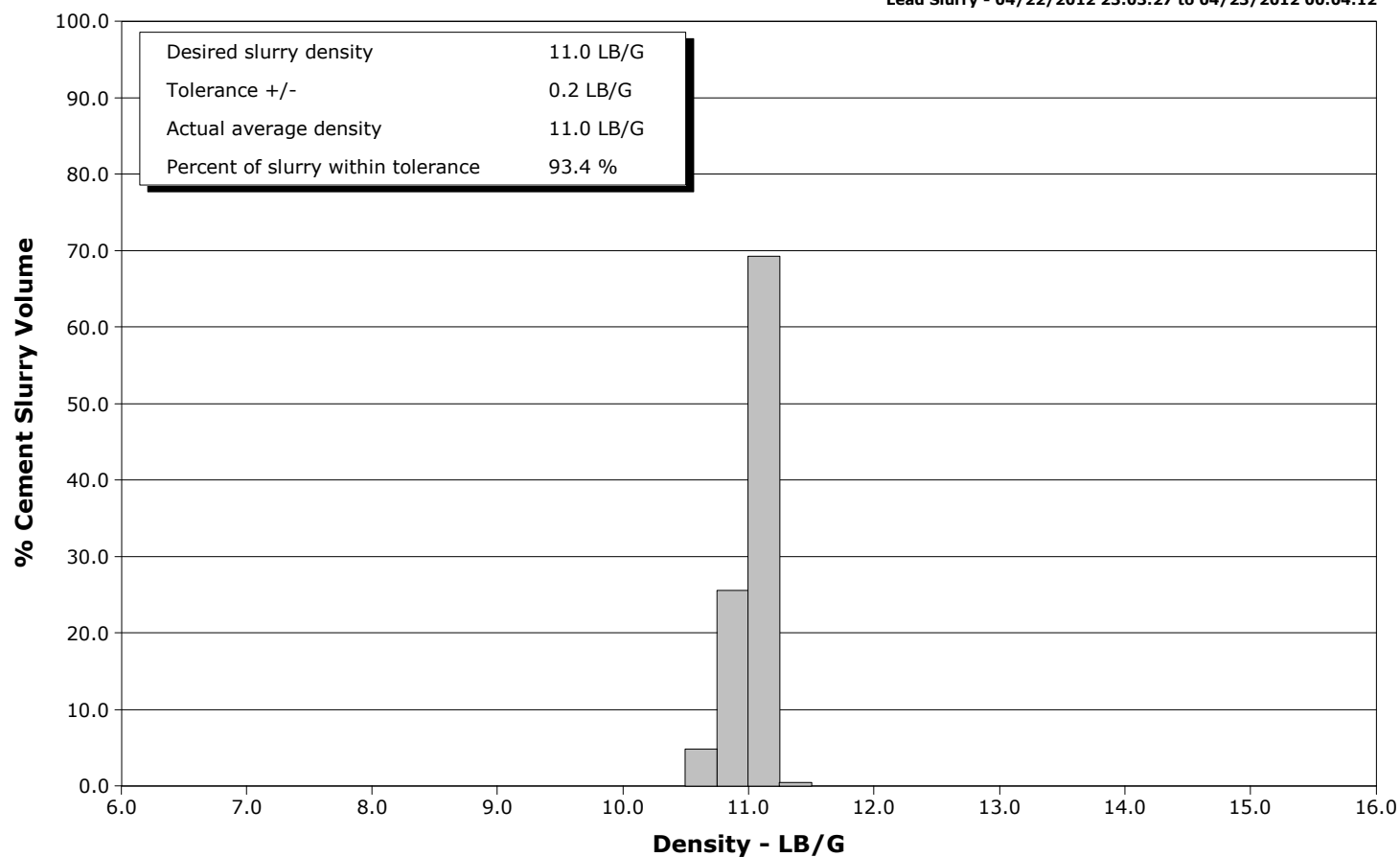
Well	SGU 8516A-21	Client	Encana
Field	Story Gulch	SIR No.	COBA-00428
Engineer	Matt Fair	Job Type	9 5/8 Surface
Country	United States	Job Date	04-22-2012



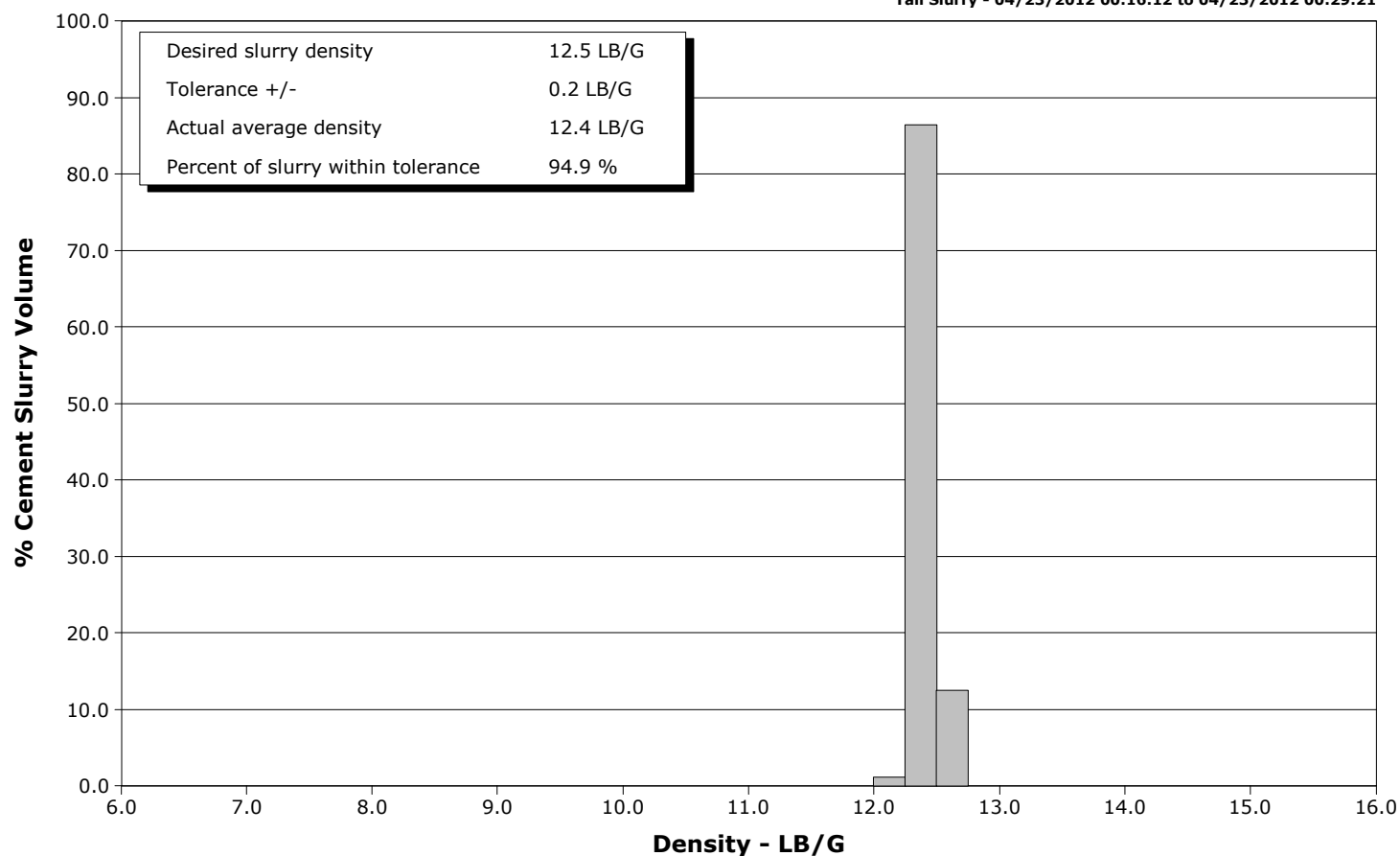
Well SGU 8516A-21
Field Story Gulch
Engineer Matt Fair
Country United States

Client Encana
SIR No. COBA-00428
Job Type 9 5/8 Surface
Job Date 04-22-2012

Lead Slurry - 04/22/2012 23:03:27 to 04/23/2012 00:04:12



Tail Slurry - 04/23/2012 00:16:12 to 04/23/2012 00:29:21



				Customer Encana		Job Number COBA-00428	
Well SGU 8516A-21			Location (legal)		Schlumberger Location		Job Start Apr/22/2012
Field Story Gulch		Formation Name/Type Shale		Deviation deg	Bit Size 14.8 in	Well MD 2049.0 ft	Well TVD 2049.0 ft
County Garfield		State/Province Colorado		BHP psi	BHST 110 degF	BHCT 91 degF	Pore Press. Gradient lb/gal
Well Master 0631310459		API/UWI					
Rig Name Patterson 306		Drilled For Gas	Service Via Land	Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class New	Well Type Development	2049.0	9.6	36.0	K55
				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
Service Line Cementing		Job Type 9 5/8 Surface		Perforations/Open Hole			
Max. Allowed Tub. Press 3520 psi		Max. Allowed Ann. Press 2030 psi	WH Connection Single Cement head	Top, ft	Bottom, ft	shot/ft	No. of Shots
							Total Interval ft
							Diameter in
				Treat Down Casing	Displacement 155.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 159.0 bbl	Annular Vol. 250.0 bbl	Openhole Vol. 411.0 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 1014 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2049.0 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 Apr/22/2012 20:00		Arrived on Location Apr/22/2012 20:00	Leave Location Apr/23/2012 03:00	Collar Type Float		Tail Pipe Depth ft	
				Collar Depth 2006.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message		
04/22/2012	22:33:46	8.46	-11	0.0	Started Acquisition		
04/22/2012	22:33:49	8.46	-11	0.0	Start Job		
04/22/2012	22:36:16	8.46	35	1.9			
04/22/2012	22:38:00	8.46	589	0.0	Pressure Test Lines		
04/22/2012	22:38:01	8.46	589	0.0	Low PSI test good		
04/22/2012	22:38:46	8.46	585	0.0			
04/22/2012	22:41:16	8.46	573	0.0			
04/22/2012	22:42:16	8.46	3456	0.0	Pressure Test Lines		
04/22/2012	22:42:18	8.46	3455	0.0	High PSI test good		
04/22/2012	22:43:46	8.46	3438	0.0			
04/22/2012	22:46:16	8.46	-8	0.0			
04/22/2012	22:48:46	8.46	20	0.0			
04/22/2012	22:49:30	8.46	21	0.0	Start Pumping Spacer		
04/22/2012	22:49:32	8.46	21	0.0	50 bbl MUDPUSH		
04/22/2012	22:51:16	9.96	87	2.9			
04/22/2012	22:52:18	10.02	167	5.1	Good returns		
04/22/2012	22:53:46	9.99	146	5.2			
04/22/2012	22:56:16	9.97	98	3.6			
04/22/2012	22:58:46	10.16	86	3.7			
04/22/2012	23:01:16	10.11	81	3.8			
04/22/2012	23:02:23	11.14	106	3.4	End Spacer		

Well SGU 8516A-21			Field Story Gulch	Job Start Apr/22/2012	Customer Encana	Job Number COBA-00428
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
04/22/2012	23:02:25	11.16	107	3.4	Start Cement Slurry	
04/22/2012	23:02:26	11.16	107	3.4	Start Mixing Scav Slurry	
04/22/2012	23:02:28	11.16	104	3.3	Bring to weight	
04/22/2012	23:03:25	10.95	98	3.2	End Scavenger Slurry	
04/22/2012	23:03:27	10.93	98	3.2	Start Mixing Lead Slurry	
04/22/2012	23:03:30	10.92	96	3.2	241 bbl 11.0# Lead	
04/22/2012	23:03:46	10.87	97	3.3		
04/22/2012	23:06:16	10.90	201	5.4		
04/22/2012	23:06:42	10.92	169	5.6	Good returns	
04/22/2012	23:08:46	11.06	256	6.3		
04/22/2012	23:11:16	11.04	263	6.5		
04/22/2012	23:12:21	11.02	267	6.5	Took wet/dry samples	
04/22/2012	23:12:22	11.02	276	6.5	Wet sample=11.0 on mudscales	
04/22/2012	23:13:46	10.94	274	6.5		
04/22/2012	23:16:16	10.69	3	0.0		
04/22/2012	23:18:46	10.70	2	0.0		
04/22/2012	23:21:16	10.71	4	0.0		
04/22/2012	23:23:46	10.72	3	0.0		
04/22/2012	23:26:16	10.73	4	0.0		
04/22/2012	23:28:46	10.75	2	0.0		
04/22/2012	23:31:16	10.77	1	0.0		
04/22/2012	23:33:46	10.86	101	3.0		
04/22/2012	23:36:16	11.03	116	5.0		
04/22/2012	23:38:46	11.04	259	6.5		
04/22/2012	23:41:16	11.11	254	6.5		
04/22/2012	23:43:46	11.11	268	6.5		
04/22/2012	23:46:16	11.08	249	6.4		
04/22/2012	23:48:46	11.02	247	6.5		
04/22/2012	23:51:16	10.96	246	6.5		
04/22/2012	23:53:46	11.08	276	6.5		
04/22/2012	23:56:16	11.12	281	6.5		
04/22/2012	23:58:46	10.82	166	5.1		
04/23/2012	00:01:16	10.96	108	3.7		
04/23/2012	00:03:46	11.16	83	3.4		
04/23/2012	00:04:12	11.31	92	3.4	End Lead Slurry	
04/23/2012	00:04:13	11.32	92	3.4	Reset Total, Vol = 243.40 bbl	
04/23/2012	00:04:15	11.33	89	3.4	Start Mixing Scav Slurry	
04/23/2012	00:04:16	11.35	88	3.4	Bring to weight	
04/23/2012	00:06:16	11.50	-1	0.0		
04/23/2012	00:08:46	11.57	1	0.0		
04/23/2012	00:11:16	11.62	-1	0.0		
04/23/2012	00:13:46	12.11	80	2.7		
04/23/2012	00:16:11	12.24	120	3.5	End Scavenger Slurry	
04/23/2012	00:16:12	12.24	109	3.5	Start Mixing Tail Slurry	
04/23/2012	00:16:14	12.24	173	3.5	79 bbl 12.5# Tail	
04/23/2012	00:16:16	12.24	189	4.0		
04/23/2012	00:17:34	12.41	201	4.9	Good returns	
04/23/2012	00:18:46	12.46	199	5.0		
04/23/2012	00:18:48	12.46	196	5.0	Took wet/dry samples	
04/23/2012	00:18:49	12.46	207	5.0	Wet sample=12.5 on mudscales	
04/23/2012	00:21:16	12.40	188	5.0		
04/23/2012	00:23:46	12.45	191	5.0		
04/23/2012	00:26:16	12.46	191	5.0		
04/23/2012	00:28:46	12.59	192	5.0		

Well			Field	Job Start	Customer	Job Number
SGU 8516A-21			Story Gulch	Apr/22/2012	Encana	COBA-00428
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
04/23/2012	00:29:22	12.59	187	5.1	End Cement Slurry	
04/23/2012	00:29:24	12.59	188	5.1	Reset Total, Vol = 80.77 bbl	
04/23/2012	00:31:16	13.18	0	0.0		
04/23/2012	00:33:32	9.34	46	2.2	Drop Top Plug	
04/23/2012	00:33:33	9.33	46	2.2	Start Displacement	
04/23/2012	00:33:46	9.27	82	2.6		
04/23/2012	00:36:16	8.69	125	4.4		
04/23/2012	00:36:42	8.64	130	5.2	Displace 155 bbl H2O	
04/23/2012	00:36:55	8.64	131	5.1	Good returns	
04/23/2012	00:38:46	8.52	195	6.5		
04/23/2012	00:41:16	8.40	223	6.4		
04/23/2012	00:41:37	8.43	229	6.5	145 bbl cement to surface	
04/23/2012	00:43:46	8.45	247	6.4		
04/23/2012	00:46:16	8.45	276	6.4		
04/23/2012	00:48:46	8.45	302	6.4		
04/23/2012	00:51:16	8.45	345	6.4		
04/23/2012	00:53:46	8.45	389	6.4		
04/23/2012	00:56:16	8.45	496	6.4		
04/23/2012	00:58:46	8.45	324	3.5		
04/23/2012	01:01:16	8.45	379	2.5		
04/23/2012	01:02:21	8.45	965	2.4	Bump Top Plug	
04/23/2012	01:02:22	8.45	969	1.7	End Displacement	
04/23/2012	01:02:24	8.45	971	0.8	Bumped plug @ 1000 PSI	
04/23/2012	01:03:46	8.45	959	0.0		
04/23/2012	01:06:16	8.45	959	0.0		
04/23/2012	01:08:46	8.45	960	0.0		
04/23/2012	01:11:16	8.45	959	0.0		
04/23/2012	01:12:40	8.45	959	0.0	Bleeding off pressure	
04/23/2012	01:13:26	8.46	-7	0.0	Floats held	
04/23/2012	01:13:29	8.45	-7	0.0	1/2 bbl back	
04/23/2012	01:13:46	8.45	-6	0.0		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.1	N2	Mud	Maximum Rate 6.5		Total Slurry 320.0	Mud 0.0	Spacer 50.5	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3563	Final -6	Average 337	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 320.0 bbl		Displacement 154.1 bbl	Mix Water Temp 59 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 145.0 bbl	
						Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Garth Gramich			Schlumberger Supervisor Matt Fair			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	



Service Quality Evaluation

Client:	Encana
Field:	Story Gulch
Rig:	Patterson 306
Well:	SGU 8516A-21
Service Line:	Cementing
Job Type:	9 5/8 Surface

Service Order #:	
Date:	Apr/22/2012
Operating Time (hh:mm):	00:00
Client Rep:	Garth Gramich
Schlumberger Engineer:	Matt Fair
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 succesfully	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 succesfully	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:
Client Signature:	Schlumberger Signature: