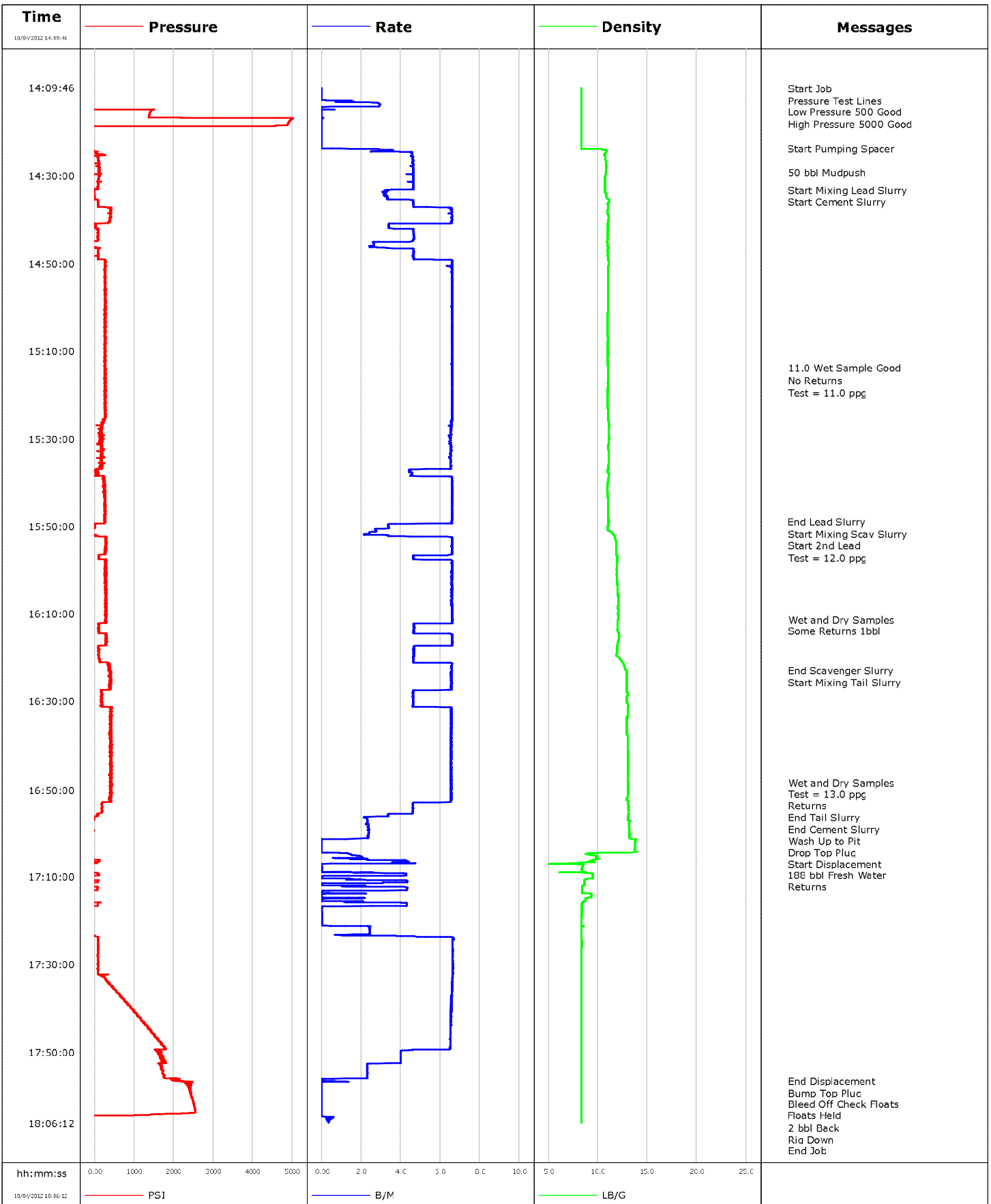
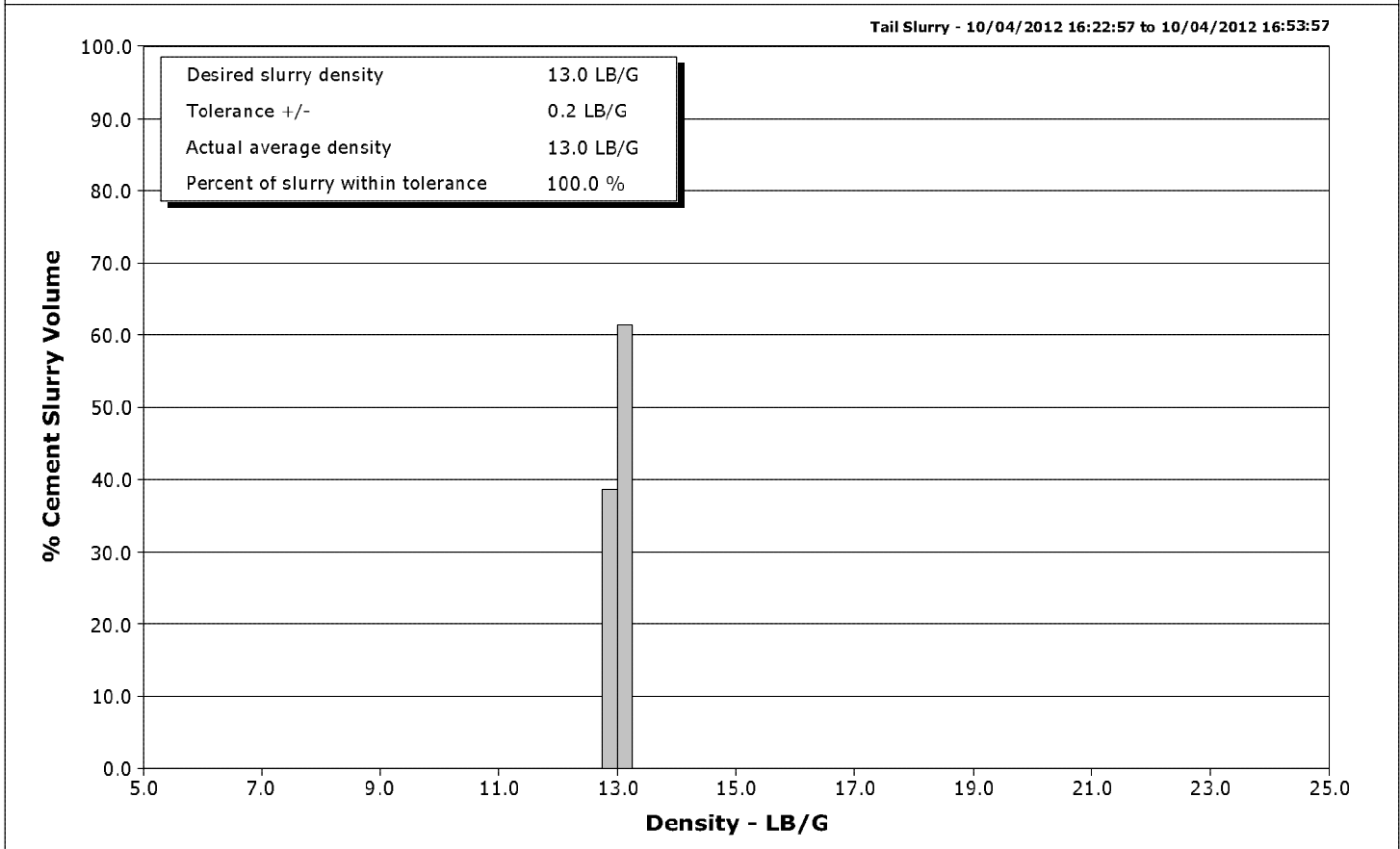
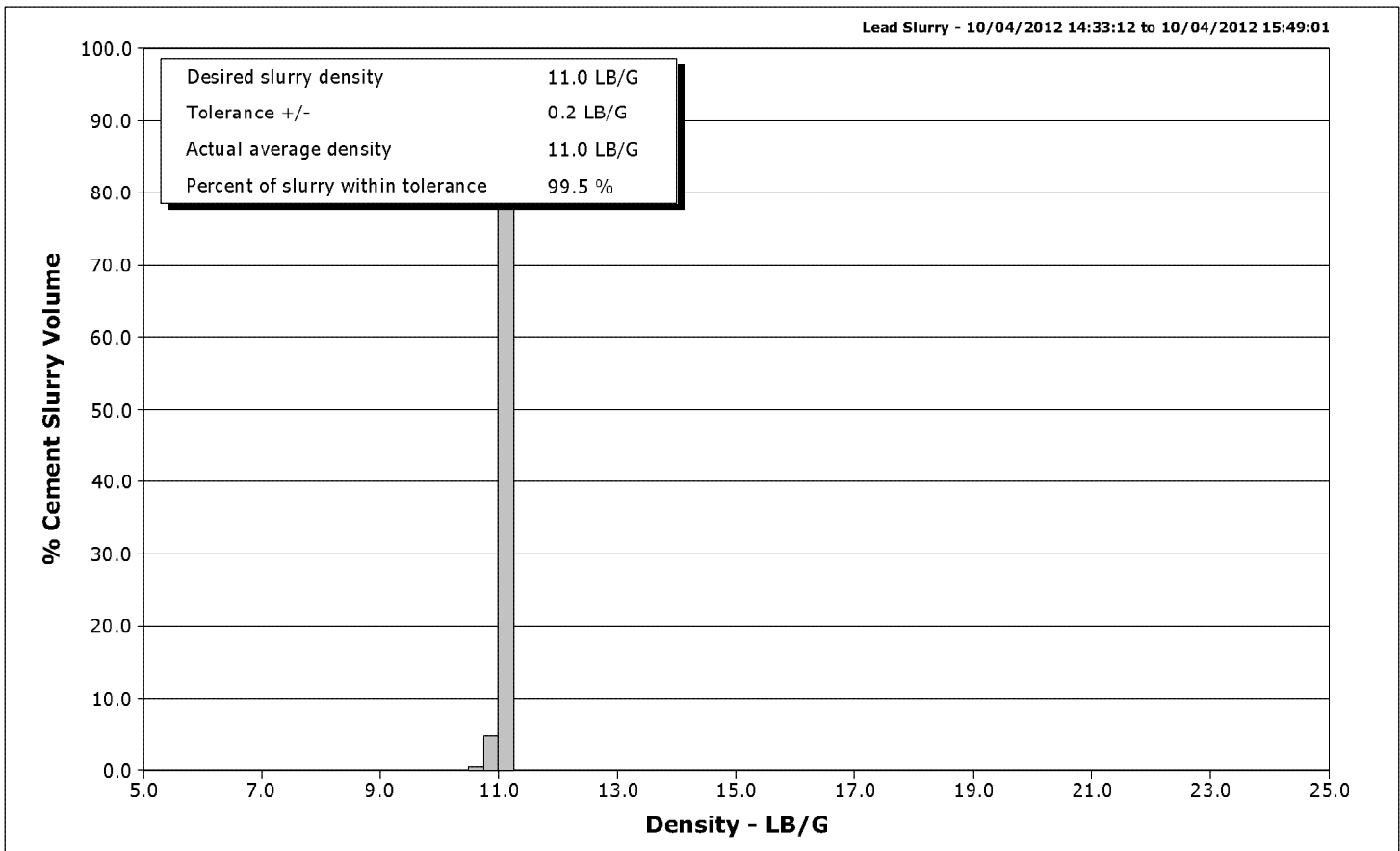


<b>Well</b>	SG 8513D-25 D	<b>Client</b>	Encana
<b>Field</b>	Story Gulch	<b>SIR No.</b>	
<b>Engineer</b>	Jordan Moreland/Travis Willardson	<b>Job Type</b>	4 1/2 Production
<b>Country</b>	United States	<b>Job Date</b>	10-04-2012



# Schlumberger Cementing Qa/Qc Density Report

<b>Well</b>	SG 8513D-25 D	<b>Client</b>	Encana
<b>Field</b>	Story Gulch	<b>SIR No.</b>	
<b>Engineer</b>	Jordan Moreland/Travis Willardson	<b>Job Type</b>	4 1/2 Production
<b>Country</b>	United States	<b>Job Date</b>	10-04-2012





# Cementing Service Report

Customer				Job Number			
Encana				C9U4-00202			
Well		Location (legal)		Schlumberger Location		Job Start	
SG 8513D-25 D SG 851D-25 D				GCC		Oct/04/2012	
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
Story Gulch							
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient
Garfield		Colorado			260 degF	216 degF	
Well Master		API/UWI					
0631304008							
Rig Name		Drilled For	Service Via	Casing/Liner			
Patterson 306		Gas	Land	Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class	Well Type	3000.0	9.630	36.0	K55
		New	Development	12090.0	4.500	11.6	N80
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
							Thread
Service Line		Job Type					
Cementing		4 1/2 Production					
Max. Allowed Tub. Press		Max. Allowed Ann. Press		Perforations/Open Hole			
5000 psi				Top,	Bottom,	No. of Shots	Total Interval
		WH Connection					
		Single Cement head					Diameter
Service Instructions		Treat Down					
Rate and Density Checked		Displacement	Packer Type	Packer Depth			
50 bbl Mudpush		188.0 bbl					
909 sks 11.0 Lead		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.		
540 sks 12.0 Lead		189.0 bbl		670.0 bbl	1099.0 bbl		
632 sks 13.0 Tail							
Displace fresh water							
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools				Squeeze Job
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>					
Lift Pressure		Shoe Type		Shoe Depth		Squeeze Type	
8818 psi		Guide		12090.0 ft			
Pipe Rotated		Pipe Reciprocated		Stage Tool Type		Tool Depth	
<input type="checkbox"/>		<input type="checkbox"/>					
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth		Tail Pipe Size	
		1					
Cement Head Type		Job Scheduled For		Collar Type		Tail Pipe Depth	
Single		Oct/04/2012 00:10		Float			
		Arrived on Location	Leave Location	Collar Depth		Sqz. Total Vol.	
		Oct/04/2012	Oct/04/2012	12067.0 ft			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
10/04/2012	13:20:31					Started Acquisition	
10/04/2012	14:09:46	-115	0.0	8.36	0.0		
10/04/2012	14:10:00					Start Job	
10/04/2012	14:10:00	-115	0.0	8.36	0.0		
10/04/2012	14:10:13					Pressure Test Lines	
10/04/2012	14:10:13	-118	0.0	8.36	0.0		
10/04/2012	14:10:19					Low Pressure 500 Good	
10/04/2012	14:10:19					High Pressure 5000 Good	
10/04/2012	14:10:19	-118	0.0	8.36	0.0		
10/04/2012	14:10:31	-119	0.0	8.36	0.0		
10/04/2012	14:12:31	-119	0.0	8.35	0.0		
10/04/2012	14:14:31	-106	0.0	8.36	3.4		
10/04/2012	14:16:31	1367	0.0	8.36	3.4		
10/04/2012	14:18:31	4561	0.0	8.36	3.4		
10/04/2012	14:20:31	-98	0.0	8.36	3.5		
10/04/2012	14:22:31	-89	0.0	8.36	3.5		
10/04/2012	14:23:41					Start Pumping Spacer	
10/04/2012	14:23:41	-80	0.5	8.36	3.5		
10/04/2012	14:24:31	47	4.6	10.84	6.1		
10/04/2012	14:26:31	110	4.6	10.81	15.3		
10/04/2012	14:28:31	109	4.6	10.80	24.6		

Well		Field		Job Start		Customer		Job Number	
SG 8513D-25 D SG 851D-25 D		Story Gulch		Oct/04/2012		Encana		C9U4-00202	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/04/2012	14:29:07	110	4.7	10.81	27.4				
10/04/2012	14:30:31	99	4.7	10.71	33.9				
10/04/2012	14:32:31	86	4.7	10.71	43.2				
10/04/2012	14:33:12					Start Mixing Lead Slurry			
10/04/2012	14:33:12	-23	3.2	10.69	46.1				
10/04/2012	14:34:31	-1	3.3	10.83	50.3				
10/04/2012	14:35:50					Start Cement Slurry			
10/04/2012	14:35:50	90	4.6	11.12	55.3				
10/04/2012	14:36:31	88	4.7	11.04	58.5				
10/04/2012	14:38:31	419	6.6	11.02	70.7				
10/04/2012	14:40:31	356	6.6	11.06	83.9				
10/04/2012	14:42:31	90	4.7	11.04	92.1				
10/04/2012	14:44:31	79	4.6	11.03	101.4				
10/04/2012	14:46:31	103	4.6	11.06	107.7				
10/04/2012	14:48:31	101	4.6	11.05	117.0				
10/04/2012	14:50:31	280	6.4	11.08	129.3				
10/04/2012	14:52:31	258	6.6	11.05	142.5				
10/04/2012	14:54:31	268	6.6	11.04	155.7				
10/04/2012	14:56:31	268	6.6	11.04	168.9				
10/04/2012	14:58:31	250	6.6	11.04	182.1				
10/04/2012	15:00:31	239	6.6	11.04	195.3				
10/04/2012	15:02:31	282	6.6	11.01	208.5				
10/04/2012	15:04:31	287	6.6	11.01	221.7				
10/04/2012	15:06:31	241	6.6	11.03	234.9				
10/04/2012	15:08:31	246	6.6	11.03	248.1				
10/04/2012	15:10:31	268	6.6	11.03	261.3				
10/04/2012	15:12:31	264	6.6	11.03	274.5				
10/04/2012	15:13:35					11.0 Wet Sample Good			
10/04/2012	15:13:35	243	6.6	11.03	281.6				
10/04/2012	15:14:31	258	6.6	11.04	287.8				
10/04/2012	15:16:31	251	6.6	11.04	301.0				
10/04/2012	15:16:36					No Returns			
10/04/2012	15:16:36	268	6.6	11.03	301.5				
10/04/2012	15:16:50					Test = 11.0 ppg			
10/04/2012	15:16:50	282	6.6	11.03	303.1				
10/04/2012	15:18:31	271	6.6	11.03	314.2				
10/04/2012	15:20:31	274	6.6	11.03	327.4				
10/04/2012	15:22:31	265	6.6	11.01	340.6				
10/04/2012	15:24:31	258	6.6	11.04	353.8				
10/04/2012	15:26:31	185	6.6	11.13	367.0				
10/04/2012	15:28:31	172	6.5	11.09	380.1				
10/04/2012	15:30:31	159	6.5	11.11	393.2				
10/04/2012	15:32:31	166	6.6	11.09	406.2				
10/04/2012	15:34:31	154	6.5	11.11	419.3				
10/04/2012	15:36:31	137	6.5	11.06	432.4				
10/04/2012	15:38:31	219	5.1	11.09	442.0				
10/04/2012	15:40:31	220	6.6	11.00	455.2				
10/04/2012	15:42:31	260	6.6	11.01	468.4				
10/04/2012	15:44:31	258	6.6	11.05	481.6				
10/04/2012	15:46:31	240	6.6	11.07	494.8				
10/04/2012	15:48:31	239	6.6	11.06	508.0				
10/04/2012	15:49:01					End Lead Slurry			
10/04/2012	15:49:01	267	6.6	11.09	511.3				
10/04/2012	15:49:10					Start Mixing Scav Slurry			

Well		Field		Job Start	Customer	Job Number
SG 8513D-25 D SG 851D-25 D		Story Gulch		Oct/04/2012	Encana	C9U4-00202
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/04/2012	15:49:53					Start 2nd Lead
10/04/2012	15:49:53	4	3.4	11.03	515.4	
10/04/2012	15:50:31	-30	2.9	11.02	517.5	
10/04/2012	15:50:47					Test = 12.0 ppg
10/04/2012	15:50:47	-21	2.7	11.04	518.2	
10/04/2012	15:52:31	302	6.6	11.75	523.8	
10/04/2012	15:54:31	266	6.6	11.87	537.0	
10/04/2012	15:56:31	116	5.1	11.92	550.2	
10/04/2012	15:58:31	283	6.6	11.95	561.3	
10/04/2012	16:00:31	296	6.6	11.93	574.5	
10/04/2012	16:02:31	302	6.6	11.97	587.7	
10/04/2012	16:04:31	255	6.6	12.05	600.9	
10/04/2012	16:06:31	283	6.6	12.06	614.0	
10/04/2012	16:08:31	297	6.6	12.05	627.2	
10/04/2012	16:10:31	293	6.6	12.07	640.4	
10/04/2012	16:11:11					Wet and Dry Samples
10/04/2012	16:11:11	284	6.6	12.07	644.8	
10/04/2012	16:11:12					Some Returns 1bbl
10/04/2012	16:11:12	269	6.6	12.06	644.9	
10/04/2012	16:12:31	118	4.7	12.04	652.8	
10/04/2012	16:14:31	265	6.5	12.13	562.3	
10/04/2012	16:16:31	305	6.6	12.05	575.5	
10/04/2012	16:18:31	104	4.7	11.96	686.2	
10/04/2012	16:20:31	126	4.7	12.36	695.6	
10/04/2012	16:22:31	381	6.6	12.78	707.6	
10/04/2012	16:22:53					End Scavenger Slurry
10/04/2012	16:22:53	388	6.6	12.88	710.0	
10/04/2012	16:22:57					Start Mixing Tail Slurry
10/04/2012	16:22:57	407	6.6	12.88	710.5	
10/04/2012	16:24:31	371	6.6	12.95	720.7	
10/04/2012	16:26:31	361	6.6	12.94	733.9	
10/04/2012	16:28:31	193	4.6	13.02	744.8	
10/04/2012	16:30:31	200	4.6	13.02	754.1	
10/04/2012	16:32:31	402	6.6	13.02	765.8	
10/04/2012	16:34:31	406	6.6	12.97	779.0	
10/04/2012	16:36:31	419	6.6	12.96	792.1	
10/04/2012	16:38:31	411	6.6	13.01	805.2	
10/04/2012	16:40:31	443	6.6	13.03	818.4	
10/04/2012	16:42:31	374	6.5	13.05	831.5	
10/04/2012	16:44:31	413	6.6	13.05	844.6	
10/04/2012	16:46:31	444	6.6	13.04	857.7	
10/04/2012	16:48:25					Wet and Dry Samples
10/04/2012	16:48:25	404	6.6	13.04	870.2	
10/04/2012	16:48:27					Test = 13.0 ppg
10/04/2012	16:48:27	417	6.6	13.04	870.4	
10/04/2012	16:48:31	417	6.6	13.05	870.8	
10/04/2012	16:49:39					Returns
10/04/2012	16:49:39	407	6.6	13.04	878.3	
10/04/2012	16:50:31	381	6.6	13.04	883.9	
10/04/2012	16:52:31	414	6.6	13.01	897.1	
10/04/2012	16:53:57					End Tail Slurry
10/04/2012	16:53:57	193	4.6	13.16	904.6	
10/04/2012	16:53:58					End Cement Slurry
10/04/2012	16:53:58	195	4.6	13.17	904.7	

Well		Field		Job Start	Customer	Job Number
SG 8513D-25 D SG 851D-25 D		Story Gulch		Oct/04/2012	Encana	C9U4-00202
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/04/2012	16:54:46					Wash Up to Pit
10/04/2012	16:54:46	201	4.6	13.16	908.4	
10/04/2012	16:55:01					Drop Top Plug
10/04/2012	16:55:01	199	4.6	13.13	909.5	
10/04/2012	16:55:04					Start Displacement
10/04/2012	16:55:04	200	4.6	13.13	909.8	
10/04/2012	16:55:06					186 bbl Fresh Water
10/04/2012	16:55:06					Returns
10/04/2012	16:55:06	202	4.6	13.13	909.9	
10/04/2012	16:56:31	-13	2.3	13.06	915.0	
10/04/2012	16:58:31	-23	2.4	13.17	919.6	
10/04/2012	17:00:31	-24	2.4	13.23	924.4	
10/04/2012	17:02:31	-102	0.0	13.80	926.2	
10/04/2012	17:04:31	-92	0.3	10.57	926.2	
10/04/2012	17:08:31	-98	0.0	8.42	932.5	
10/04/2012	17:10:31	-50	1.9	8.77	935.6	
10/04/2012	17:12:31	73	4.3	8.45	940.3	
10/04/2012	17:14:31	-98	0.0	9.33	943.5	
10/04/2012	17:16:31	79	4.3	8.39	947.4	
10/04/2012	17:18:31	-116	0.0	8.38	948.1	
10/04/2012	17:20:31	-115	0.0	8.38	948.2	
10/04/2012	17:22:31	-81	2.5	8.37	951.3	
10/04/2012	17:24:31	80	6.6	8.38	959.8	
10/04/2012	17:26:31	87	6.6	8.36	973.1	
10/04/2012	17:28:31	91	6.6	8.37	986.3	
10/04/2012	17:30:31	94	6.6	8.36	999.6	
10/04/2012	17:32:31	122	6.6	8.36	1012.9	
10/04/2012	17:34:31	384	6.6	8.36	1026.1	
10/04/2012	17:36:31	581	6.6	8.36	1039.3	
10/04/2012	17:38:31	782	6.6	8.36	1052.5	
10/04/2012	17:40:31	989	6.6	8.36	1065.6	
10/04/2012	17:42:31	1160	6.5	8.36	1078.7	
10/04/2012	17:44:31	1356	6.5	8.36	1091.8	
10/04/2012	17:46:31	1535	6.5	8.36	1104.8	
10/04/2012	17:48:31	1744	6.5	8.36	1117.9	
10/04/2012	17:50:31	1598	4.0	8.36	1128.3	
10/04/2012	17:52:31	1792	4.0	8.36	1136.3	
10/04/2012	17:54:31	1722	2.3	8.36	1141.0	
10/04/2012	17:56:29					End Displacement
10/04/2012	17:56:29	2114	0.0	8.36	1144.7	
10/04/2012	17:56:31	2087	0.0	8.36	1144.7	
10/04/2012	17:56:36					Bump Top Plug
10/04/2012	17:56:36	2034	0.1	8.36	1144.7	
10/04/2012	17:57:31					Bleed Off Check Floats
10/04/2012	17:57:31	2428	0.0	8.36	1144.9	
10/04/2012	17:57:32					Floats Held
10/04/2012	17:57:32	2428	0.0	8.36	1144.9	
10/04/2012	17:58:31	2388	0.0	8.36	1144.9	
10/04/2012	18:00:31	2462	0.0	8.36	1145.0	
10/04/2012	18:02:31	2525	0.0	8.36	1145.0	
10/04/2012	18:04:31	629	0.0	8.36	1145.0	
10/04/2012	18:06:02					2 bbl Back
10/04/2012	18:06:02					Rig Down
10/04/2012	18:06:02	-112	0.4	8.36	1145.5	

<b>Well</b> SG 8513D-25 D SG 851D-25 D		<b>Field</b> Story Gulch		<b>Job Start</b> Oct/04/2012		<b>Customer</b> Encana		<b>Job Number</b> C9U4-00202	
<b>Date</b>	<b>Time 24-hr clock</b>	<b>Treating Pressure PSI</b>	<b>Flow Rate B/M</b>	<b>Density LB/G</b>	<b>Volume BBL</b>	<b>Message</b>			
10/04/2012	18:06:07	-112	0.4	8.36	1145.5				

### Post Job Summary

<b>Average Pump Rates, bbl/min</b>					<b>Volume of Fluid Injected, bbl</b>				
<b>Slurry</b> 4.9	<b>N2</b>	<b>Mud</b> 0.0	<b>Maximum Rate</b> 6.7	<b>Total Slurry</b> 1145.6	<b>Mud</b> 0.0	<b>Spacer</b> 46.0	<b>N2</b>		
<b>Treating Pressure Summary, psi</b>					<b>Breakdown Fluid</b>				
<b>Maximum</b> 5017	<b>Final</b> -112	<b>Average</b> 503	<b>Bump Plug to</b>	<b>Breakdown</b>	<b>Type</b>	<b>Volume</b>	<b>Density</b>		
<b>Avg. N2 Percent</b>	<b>Designed Slurry Volume</b>		<b>Displacement</b> 235.2 bbl	<b>Mix Water Temp</b>	<b>Cement Circulated to Surface?</b> <input checked="" type="checkbox"/>	<b>Volume</b>			
					<b>Washed Thru Perfs</b> <input type="checkbox"/>	<b>To</b>			
<b>Customer or Authorized Representative</b> Curt Childers			<b>Schlumberger Supervisor</b> Jordan Moreland/Travis Willardson			<b>Circulation Lost</b> <input type="checkbox"/>	<b>Job Completed</b> <input checked="" type="checkbox"/>		
						-	-		

<b>Client:</b>	Encana
<b>Field:</b>	Story Gulch
<b>Rig:</b>	Patterson 306
<b>Well:</b>	SG 8513D-25 D
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	4 1/2 Production

<b>Service Order #:</b>	
<b>Date:</b>	Oct/04/2012
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	Encana
<b>Schlumberger Engineer:</b>	Jordan Moreland/Travis Willardson
<b>Schlumberger FSM:</b>	

**Main Objective:**

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

		Score	Yes / No		Result
<b>1</b>	<b>HSE</b>				
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	Free of RIRs	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1d	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

<b>2</b>	<b>Design / Preparation</b>				
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%

<b>3</b>	<b>Execution</b>				
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 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%

<b>4</b>	<b>Evaluation</b>				
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.)**

<b>Client:</b>	<b>Schlumberger:</b>

<b>Client Signature:</b>	<b>Schlumberger Signature:</b>