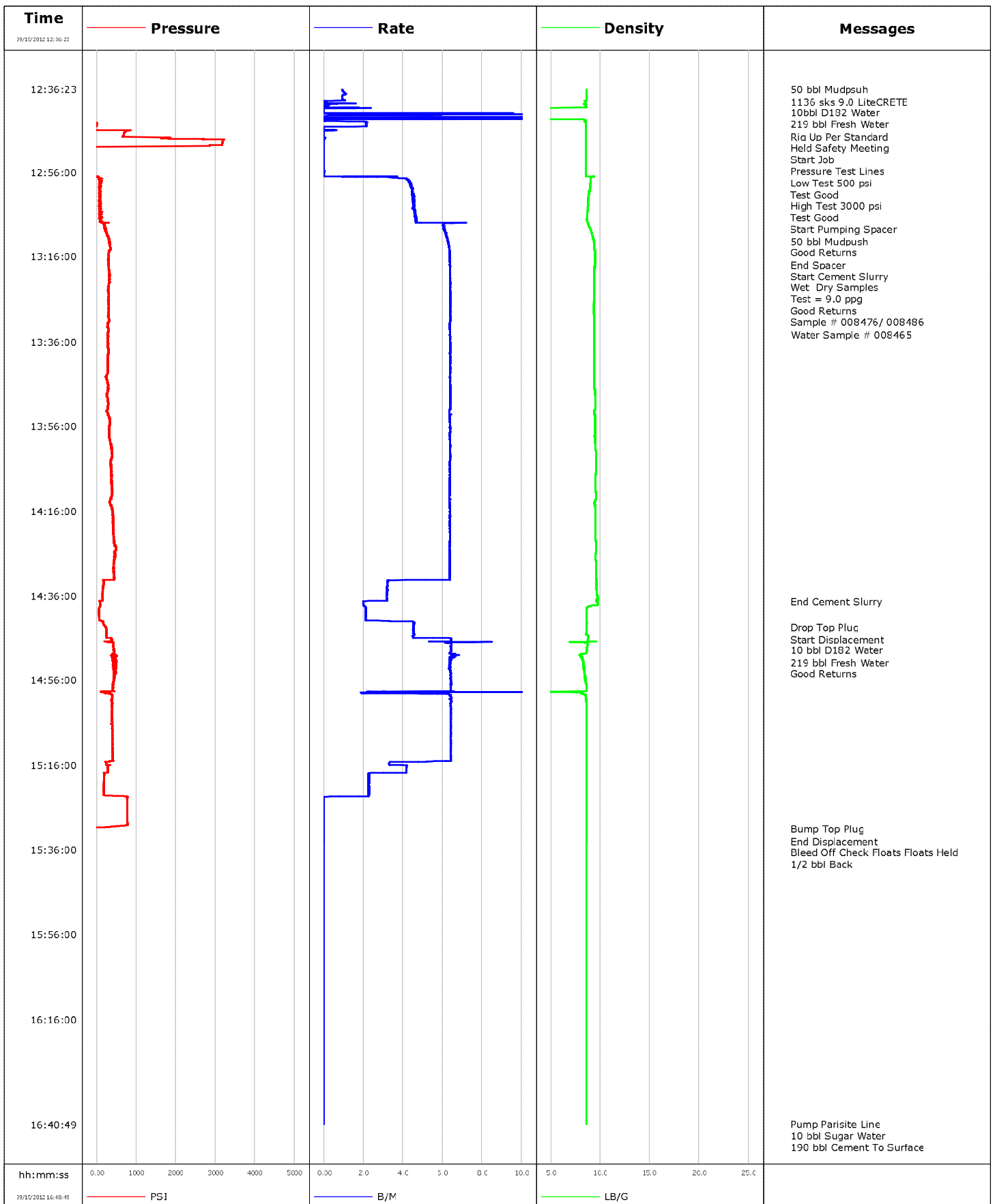
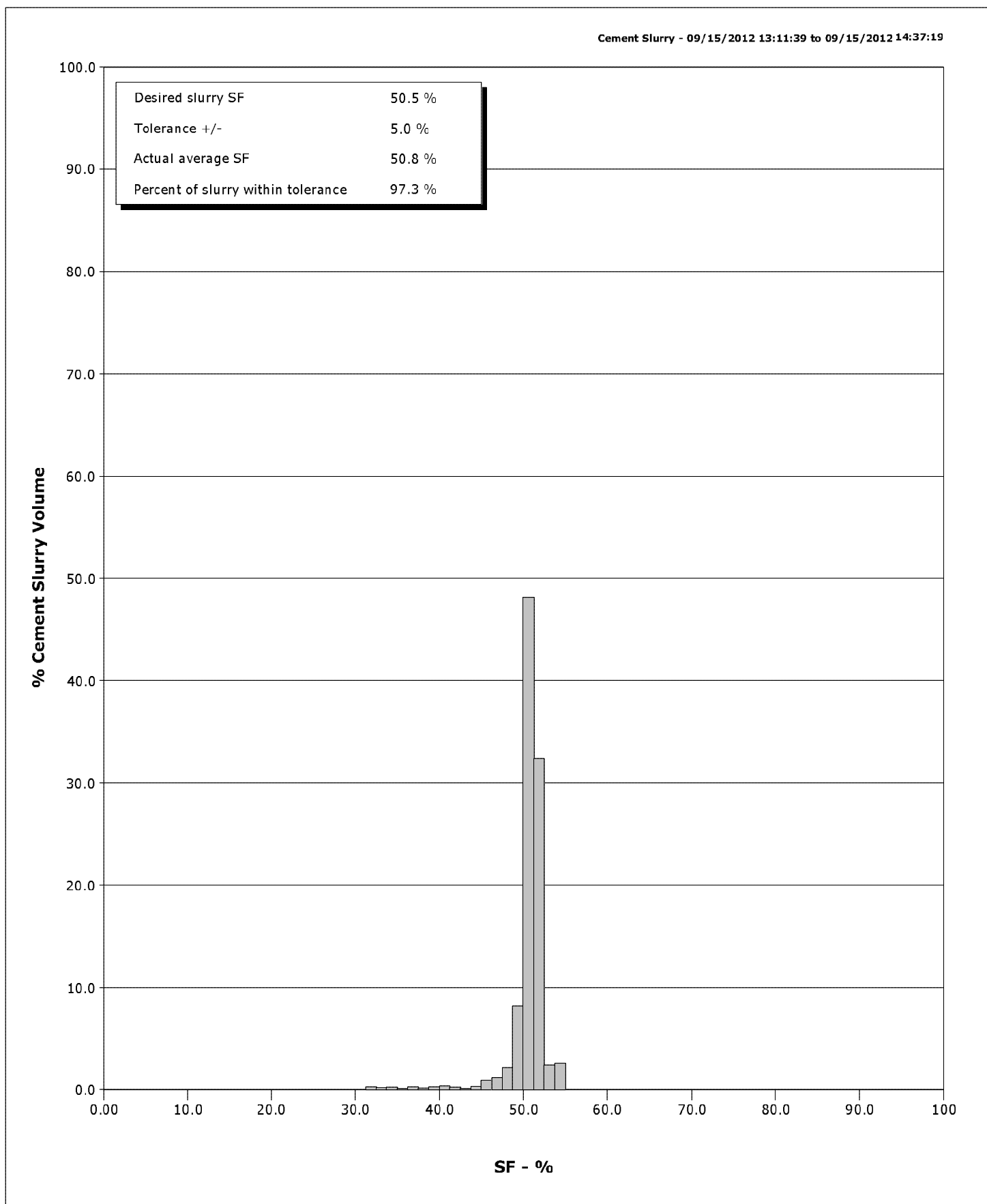


<b>Well</b>	SG 8515D-26	<b>Client</b>	Encana
<b>Field</b>	Story Gulch	<b>SIR No.</b>	
<b>Engineer</b>	Jordan Moreland/ Stacy Terry (pumper)	<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	09-15-2012



# Schlumberger Cementing Qa/Qc SFM Report

<b>Well</b>	SG 8515D-26	<b>Client</b>	Encana
<b>Field</b>	Story Gulch	<b>SIR No.</b>	
<b>Engineer</b>	Jordan Moreland/ Stacy Terry (pumper)	<b>Job Type</b>	9 5/8 Surface
<b>Country</b>	United States	<b>Job Date</b>	09-15-2012



## Cementing Service Report

					Customer		Job Number			
					Encana		C610-00564			
Well			Location (legal)		Schlumberger Location		Job Start			
SG 8515D-26			D36		GCC		Sep/15/2012			
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD			
Story Gulch					14.8 in					
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient			
Garfield		Colorado			120 degF	96 degF				
Well Master		API/UWI								
Rig Name	Drilled For	Service Via		Casing/Liner						
Patterson 306	Gas	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type		120.0	20.000	94.0	J-55	8rd		
	New	Development		3010.0	9.630	36.0	J55	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe						
				Depth,	Size,	Weight,	Grade	Thread		
Service Line	Job Type									
Cementing	9 5/8 Surface									
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole						
3000 psi		Single Cement head		Top,	Bottom,		No. of Shots	Total Interval		
<b>Service Instructions</b> Rate And Density Checked 50 bbl Mudpush 1136 sks 9.0 LiteCRETE 10 bbl D182 Water Displace Fresh Water								Diameter		
				Treat Down		Displacement		Packer Type		Packer Depth
				Casing		229.0 bbl				
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.				
		230.0 bbl		383.0 bbl		633.0 bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools			Squeeze Job				
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								
Lift Pressure		1489 psi		Shoe Type		Guide				
Pipe Rotated		<input type="checkbox"/>	Pipe Reciprocated		<input type="checkbox"/>	Shoe Depth		3010.0 ft		
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		Arrived on Location		Leave Location		Collar Type		Float		
Sep/15/2012		Sep/15/2012		Sep/15/2012		Collar Depth		2965.0 ft		
						Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
09/15/2012	12:18:54					Started Acquisition				
09/15/2012	12:36:23					50 bbl Mudpsuh				
09/15/2012	12:36:23					1136 sks 9.0 LiteCRETE				
09/15/2012	12:36:23	-54	1.0	8.61	0.0	10bbl D182 Water				
09/15/2012	12:36:25					219 bbl Fresh Water				
09/15/2012	12:36:25					Rig Up Per Standard				
09/15/2012	12:36:25					Held Safety Meeting				
09/15/2012	12:36:25	-53	0.9	8.61	0.0					
09/15/2012	12:36:26					Start Job				
09/15/2012	12:36:26	-53	1.0	8.61	0.1					
09/15/2012	12:36:28					Pressure Test Lines				
09/15/2012	12:36:28	-54	1.0	8.61	0.1					
09/15/2012	12:36:29					Low Test 500 psi				
09/15/2012	12:36:29					Test Good				
09/15/2012	12:36:29	-53	1.0	8.61	0.1					
09/15/2012	12:36:30					High Test 3000 psi				
09/15/2012	12:36:30					Test Good				
09/15/2012	12:36:30	-54	1.0	8.61	0.1					
09/15/2012	12:36:54	-53	1.0	8.61	0.5					
09/15/2012	12:38:54	-57	1.0	8.61	2.5					

Well			Field		Job Start		Customer		Job Number	
SG 8515D-26			Story Gulch		Sep/15/2012		Encana		C610-00564	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
09/15/2012	12:42:54	-36		0.0	0.02		6.3			
09/15/2012	12:44:54	-1		2.2	8.56		11.5			
09/15/2012	12:46:54	691		0.0	8.56		12.3			
09/15/2012	12:48:54	3178		0.0	8.56		12.3			
09/15/2012	12:50:54	-39		0.0	8.56		12.4			
09/15/2012	12:50:58							Start Pumping Spacer		
09/15/2012	12:50:58	-39		0.0	8.56		12.4			
09/15/2012	12:51:00							50 bbl Mudpush		
09/15/2012	12:51:00							Good Returns		
09/15/2012	12:51:00	-39		0.0	8.56		12.4			
09/15/2012	12:52:54	-39		0.0	8.56		12.4			
09/15/2012	12:54:54	-30		0.0	8.56		12.4			
09/15/2012	12:56:54	-20		0.0	8.56		12.4			
09/15/2012	12:58:54	104		4.4	9.00		20.2			
09/15/2012	13:00:54	64		4.5	8.90		29.1			
09/15/2012	13:02:54	92		4.6	8.80		38.2			
09/15/2012	13:04:54	83		4.6	8.76		47.3			
09/15/2012	13:06:54	96		4.7	8.68		56.5			
09/15/2012	13:08:54	192		6.1	8.91		67.2			
09/15/2012	13:10:54	250		6.2	9.22		79.5			
09/15/2012	13:11:38							End Spacer		
09/15/2012	13:11:38	305		6.3	9.31		84.0			
09/15/2012	13:11:39							Start Cement Slurry		
09/15/2012	13:11:39	309		6.2	9.31		84.1			
09/15/2012	13:11:41							Wet Dry Samples		
09/15/2012	13:11:41							Test = 9.0 ppg		
09/15/2012	13:11:41							Good Returns		
09/15/2012	13:11:41							Sample # 008476/ 008486		
09/15/2012	13:11:41	313		6.2	9.31		84.4			
09/15/2012	13:11:42							Water Sample # 008465		
09/15/2012	13:11:42	328		6.2	9.31		84.5			
09/15/2012	13:12:54	335		6.3	9.38		92.0			
09/15/2012	13:14:54	316		6.4	9.48		104.7			
09/15/2012	13:16:54	289		6.4	9.47		117.4			
09/15/2012	13:18:54	314		6.4	9.46		130.2			
09/15/2012	13:20:54	321		6.4	9.43		142.9			
09/15/2012	13:22:54	312		6.4	9.41		155.7			
09/15/2012	13:24:54	298		6.4	9.39		168.5			
09/15/2012	13:26:54	299		6.4	9.37		181.3			
09/15/2012	13:28:54	309		6.4	9.34		194.1			
09/15/2012	13:30:54	326		6.4	9.43		206.9			
09/15/2012	13:32:54	299		6.4	9.40		219.6			
09/15/2012	13:34:54	275		6.4	9.40		232.4			
09/15/2012	13:36:54	263		6.4	9.41		245.2			
09/15/2012	13:38:54	298		6.4	9.43		258.0			
09/15/2012	13:40:54	274		6.4	9.45		270.7			
09/15/2012	13:42:54	284		6.4	9.44		283.5			
09/15/2012	13:44:54	245		6.4	9.39		296.3			
09/15/2012	13:46:54	279		6.4	9.45		309.1			
09/15/2012	13:48:54	258		6.4	9.51		321.9			
09/15/2012	13:50:54	292		6.4	9.53		334.7			
09/15/2012	13:52:54	270		6.3	9.46		347.4			
09/15/2012	13:54:54	325		6.4	9.51		360.1			
09/15/2012	13:56:54	318		6.4	9.48		372.9			

Well			Field		Job Start		Customer		Job Number	
SG 8515D-26			Story Gulch		Sep/15/2012		Encana		C610-00564	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
09/15/2012	14:00:54	368		6.4	9.54		398.4			
09/15/2012	14:02:54	391		6.4	9.59		411.2			
09/15/2012	14:04:54	365		6.4	9.57		424.0			
09/15/2012	14:06:54	374		6.4	9.56		436.7			
09/15/2012	14:08:54	376		6.4	9.54		449.5			
09/15/2012	14:10:54	378		6.4	9.55		462.2			
09/15/2012	14:12:54	363		6.4	9.57		475.0			
09/15/2012	14:14:54	379		6.4	9.49		487.7			
09/15/2012	14:16:54	407		6.4	9.52		500.4			
09/15/2012	14:18:54	400		6.4	9.53		513.2			
09/15/2012	14:20:54	418		6.4	9.54		526.0			
09/15/2012	14:22:54	445		6.4	9.55		538.7			
09/15/2012	14:24:54	497		6.4	9.58		551.5			
09/15/2012	14:26:54	447		6.4	9.55		564.2			
09/15/2012	14:28:54	431		6.4	9.57		576.9			
09/15/2012	14:30:54	431		6.4	9.60		589.7			
09/15/2012	14:32:54	182		3.2	9.62		600.5			
09/15/2012	14:34:54	148		3.2	9.67		606.9			
09/15/2012	14:36:54	144		3.2	9.73		613.3			
09/15/2012	14:37:19							End Cement Slurry		
09/15/2012	14:37:19	74		2.0	9.58		614.5			
09/15/2012	14:38:54	64		2.1	8.65		617.7			
09/15/2012	14:40:54	63		2.1	8.62		621.9			
09/15/2012	14:42:54	173		4.5	8.58		628.3			
09/15/2012	14:43:21							Drop Top Plug		
09/15/2012	14:43:21	222		4.5	8.58		630.4			
09/15/2012	14:43:22							Start Displacement		
09/15/2012	14:43:22	217		4.5	8.58		630.5			
09/15/2012	14:43:24							10 bbl D182 Water		
09/15/2012	14:43:24							219 bbl Fresh Water		
09/15/2012	14:43:24	225		4.5	8.58		630.6			
09/15/2012	14:43:26							Good Returns		
09/15/2012	14:43:26	217		4.5	8.58		630.8			
09/15/2012	14:44:54	245		4.5	8.58		637.4			
09/15/2012	14:46:54	313		8.0	7.86		648.2			
09/15/2012	14:48:54	438		6.4	8.63		661.2			
09/15/2012	14:50:54	449		6.4	8.23		674.1			
09/15/2012	14:52:54	417		6.4	8.36		686.8			
09/15/2012	14:54:54	440		6.4	8.47		699.6			
09/15/2012	14:56:54	421		6.5	8.58		712.5			
09/15/2012	14:58:54	188		3.7	7.56		724.7			
09/15/2012	15:00:54	386		6.4	8.58		736.7			
09/15/2012	15:02:54	392		6.4	8.59		749.5			
09/15/2012	15:04:54	378		6.4	8.59		762.4			
09/15/2012	15:06:54	393		6.4	8.59		775.2			
09/15/2012	15:08:54	401		6.4	8.59		788.1			
09/15/2012	15:10:54	392		6.4	8.59		800.9			
09/15/2012	15:12:54	400		6.4	8.59		813.7			
09/15/2012	15:14:54	403		6.4	8.59		826.6			
09/15/2012	15:16:54	290		4.2	8.59		835.0			
09/15/2012	15:18:54	188		2.3	8.58		841.3			
09/15/2012	15:20:54	179		2.3	8.58		845.9			
09/15/2012	15:22:54	181		2.3	8.58		850.4			
09/15/2012	15:24:54	776		0.0	8.59		851.7			

Well			Field		Job Start	Customer		Job Number
SG 8515D-26			Story Gulch		Sep/15/2012	Encana		C610-00564
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
09/15/2012	15:28:54	783	0.0	8.59	851.8			
09/15/2012	15:30:54	-53	0.0	8.59	851.8			
09/15/2012	15:31:09					Bump Top Plug		
09/15/2012	15:31:09	-51	0.0	8.59	851.8			
09/15/2012	15:31:10					End Displacement		
09/15/2012	15:31:10	-51	0.0	8.59	851.8			
09/15/2012	15:31:11					Bleed Off Check Floats Floats Held		
09/15/2012	15:31:11	-52	0.0	8.59	851.8			
09/15/2012	15:31:12					1/2 bbl Back		
09/15/2012	15:31:12	-52	0.0	8.59	851.8			
09/15/2012	15:32:54	-51	0.0	8.59	851.9			
09/15/2012	16:40:46					Pump Parasite Line		
09/15/2012	16:40:46					10 bbl Sugar Water		
09/15/2012	16:40:46					190 bbl Cement To Surface		
09/15/2012	16:40:46					Rig Down		
09/15/2012	16:40:46	-54	0.0	8.59	851.9			

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 3.8	N2	Mud 0.0	Maximum Rate 25.0		Total Slurry 851.9	Mud 0.0	Spacer 84.1	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3224	Final -55	Average 351	Bump Plug to 850	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume		Displacement 221.5 bbl	Mix Water Temp 61 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
Mike Quintana			Jordan Moreland/ Stacy Terry (pumper)			-	-	



<b>Client:</b>	Encana
<b>Field:</b>	Story Gulch
<b>Rig:</b>	Patterson 306
<b>Well:</b>	SG 8515D-26
<b>Service Line:</b>	Cementing
<b>Job Type:</b>	9 5/8 Surface

<b>Service Order #:</b>	
<b>Date:</b>	Sep/15/2012
<b>Operating Time:</b>	0.0
<b>Client Rep:</b>	Encana
<b>Schlumberger Engineer:</b>	Jordan Moreland/ Stacy Terry (pumper)
<b>Schlumberger FSM:</b>	

**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
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%

<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 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 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"/>
					Sub-total	100%

<b>Total</b>	100%
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**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>