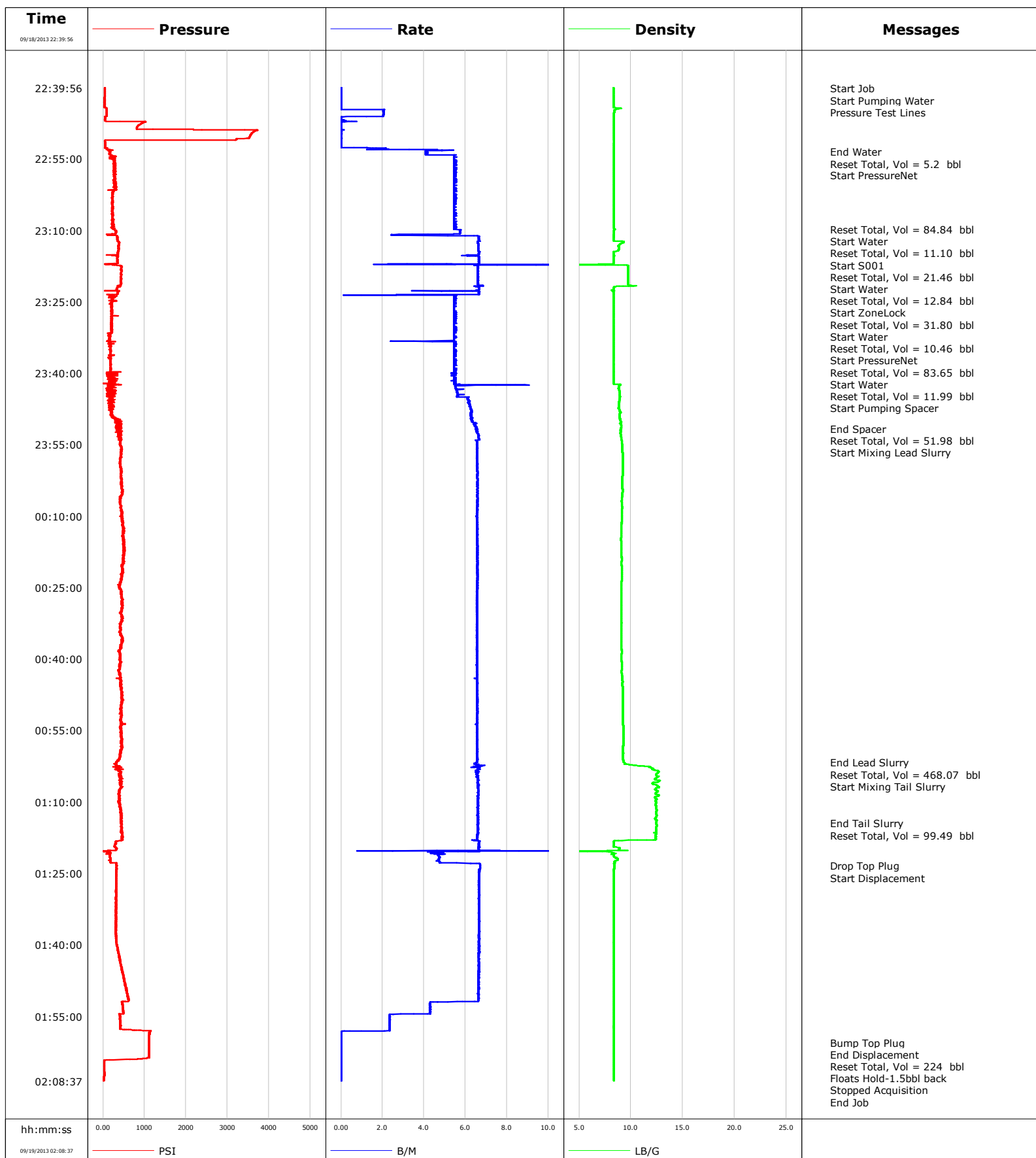


Well SGU 8508E-33
Field Wild Cat
Engineer Michael Simon/ TJ Morrow
Country United States

Client Encana
SIR No. CMI1-00253
Job Type 9 5/8 Surface
Job Date 09-18-2013





Cementing Service Report

					Customer Encana			Job Number CMI1-00253						
Well SGU 8508E-33 8508E-33				Location (legal) Grand Junction			Schlumberger Location Rock Springs			Job Start Sep/18/2013				
Field Wild Cat		Formation Name/Type Shale			Deviation		Bit Size 14.8 in		Well MD 3000.0 ft		Well TVD 2974.0 ft			
County Garfield		State/Province Colorado			BHP		BHST 120 degF		BHCT 89 degF		Pore Press. Gradient			
Well Master 0631491987		API/UWI												
Rig Name Patterson 326		Drilled For Gas		Service Via Land		Casing/Liner								
Offshore Zone		Well Class New		Well Type Development		Depth, ft		Size, in		Weight, lb/ft		Grade	Thread	
						2974.0		9.630		36.0		J55		8RD
Drilling Fluid Type		Max. Density 9.00 lb/gal		Plastic Viscosity		Tubing/Drill Pipe								
						Depth,		Size,		Weight,		Grade		Thread
Service Line Cementing		Job Type 9 5/8 Surface												
Max. Allowed Tub. Press 2500 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole								
Service Instructions						Top,		Bottom,				No. of Shots		Total Interval
														Diameter
						Treat Down Casing		Displacement 224.0 bbl		Packer Type		Packer Depth		
						Tubing Vol.		Casing Vol. 229.9 bbl		Annular Vol. 378.0 bbl		Openhole Vol. 626.0 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 1471 psi				Shoe Type Float		Squeeze Type								
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2974.0 ft				Tool Type				
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 Sep/18/2013		Arrived on Location Sep/18/2013		Leave Location Sep/18/2013		Collar Type Float				Tail Pipe Depth				
						Collar Depth 2928.0 ft				Sqz. Total Vol.				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message							
09/18/2013	22:02:54						Started Acquisition							
09/18/2013	22:39:56	38	0.0	8.33	0.0	0.0								
09/18/2013	22:40:04						Start Job							
09/18/2013	22:40:04	38	0.0	8.32	0.0	0.0								
09/18/2013	22:40:06						Start Pumping Water							
09/18/2013	22:40:06	39	0.0	8.32	0.0	0.0								
09/18/2013	22:40:07						Pressure Test Lines							
09/18/2013	22:40:07	38	0.0	8.32	0.0	0.0								
09/18/2013	22:41:54	38	0.0	8.32	0.0	0.0								
09/18/2013	22:44:54	85	2.0	8.42	0.8	0.8								
09/18/2013	22:47:54	854	0.0	8.35	3.2	3.2								
09/18/2013	22:50:54	3212	0.0	8.35	3.3	3.3								
09/18/2013	22:53:25						End Water							
09/18/2013	22:53:25	164	4.1	8.35	5.9	5.9								
09/18/2013	22:53:26						Reset Total, Vol = 5.2 bbl							
09/18/2013	22:53:26	155	4.1	8.35	6.0	6.0								
09/18/2013	22:53:54	171	4.1	8.35	1.9	1.9								
09/18/2013	22:54:05						Start PressureNet							
09/18/2013	22:54:05	220	4.1	8.35	2.7	2.7								
09/18/2013	22:56:54	259	5.4	8.35	18.0	18.0								
09/18/2013	22:59:54	265	5.4	8.35	34.4	34.4								

Well			Field		Job Start		Customer		Job Number	
SGU 8508E-33 8508E-33			Wild Cat		Sep/18/2013		Encana		CMI1-00253	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message			
09/18/2013	23:05:54	219	5.4	8.35	67.2	67.2				
09/18/2013	23:08:54	243	5.4	8.35	83.6	83.6				
09/18/2013	23:09:41						Reset Total, Vol = 84.84 bbl			
09/18/2013	23:09:41	249	5.4	8.45	87.8	87.8				
09/18/2013	23:09:55						Start Water			
09/18/2013	23:09:55	298	5.7	8.36	1.3	1.3				
09/18/2013	23:11:54	342	6.6	8.33	12.5	12.5				
09/18/2013	23:11:59						Reset Total, Vol = 11.10 bbl			
09/18/2013	23:11:59	355	6.6	8.33	13.1	13.1				
09/18/2013	23:12:13						Start S001			
09/18/2013	23:12:13	366	6.7	8.96	1.6	1.6				
09/18/2013	23:14:54	360	6.6	8.33	19.3	19.3				
09/18/2013	23:15:14						Reset Total, Vol = 21.46 bbl			
09/18/2013	23:15:14	290	5.8	8.38	21.5	21.5				
09/18/2013	23:15:27						Start Water			
09/18/2013	23:15:27	362	6.6	8.33	1.4	1.4				
09/18/2013	23:17:27						Reset Total, Vol = 12.84 bbl			
09/18/2013	23:17:27	447	6.6	9.74	14.8	14.8				
09/18/2013	23:17:39						Start ZoneLock			
09/18/2013	23:17:39	443	6.6	9.75	1.3	1.3				
09/18/2013	23:17:54	432	6.6	9.74	3.0	3.0				
09/18/2013	23:20:54	435	6.6	9.74	22.7	22.7				
09/18/2013	23:22:34						Reset Total, Vol = 31.80 bbl			
09/18/2013	23:22:34	300	6.6	8.31	33.8	33.8				
09/18/2013	23:22:45						Start Water			
09/18/2013	23:22:45	356	6.6	8.26	1.0	1.0				
09/18/2013	23:23:54	282	5.6	8.33	7.7	7.7				
09/18/2013	23:24:24						Reset Total, Vol = 10.46 bbl			
09/18/2013	23:24:24	215	5.4	8.33	10.5	10.5				
09/18/2013	23:24:42						Start PressureNet			
09/18/2013	23:24:42	245	5.4	8.33	1.6	1.6				
09/18/2013	23:26:54	214	5.4	8.33	13.6	13.6				
09/18/2013	23:29:54	197	5.4	8.33	30.0	30.0				
09/18/2013	23:32:54	150	5.4	8.33	46.4	46.4				
09/18/2013	23:35:54	179	5.4	8.33	62.5	62.5				
09/18/2013	23:38:54	196	5.4	8.33	78.8	78.8				
09/18/2013	23:39:47						Reset Total, Vol = 83.65 bbl			
09/18/2013	23:39:47	112	5.4	8.33	83.6	83.6				
09/18/2013	23:39:57						Start Water			
09/18/2013	23:39:57	367	5.6	8.33	0.9	0.9				
09/18/2013	23:41:54	215	5.4	8.33	11.5	11.5				
09/18/2013	23:41:59						Reset Total, Vol = 11.99 bbl			
09/18/2013	23:41:59	174	5.4	8.33	12.0	12.0				
09/18/2013	23:42:03						Start Pumping Spacer			
09/18/2013	23:42:03	37	5.4	8.33	0.4	0.4				
09/18/2013	23:44:54	145	5.6	8.96	16.7	16.7				
09/18/2013	23:47:54	200	6.3	8.92	35.3	35.3				
09/18/2013	23:50:54	355	6.5	9.07	54.2	54.2				
09/18/2013	23:51:36						End Spacer			
09/18/2013	23:51:36	377	6.5	9.06	58.8	58.8				
09/18/2013	23:51:38						Reset Total, Vol = 51.98 bbl			
09/18/2013	23:51:38	431	6.5	9.04	59.0	59.0				
09/18/2013	23:52:19						Start Mixing Lead Slurry			
09/18/2013	23:52:19	392	6.6	9.01	4.5	4.5				

Well			Field		Job Start	Customer		Job Number
SGU 8508E-33 8508E-33			Wild Cat		Sep/18/2013	Encana		CMI1-00253
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message	
09/18/2013	23:56:54	435	6.6	9.19	34.6	34.6		
09/18/2013	23:59:54	436	6.6	9.20	54.3	54.3		
09/19/2013	00:02:54	428	6.6	9.17	74.0	74.0		
09/19/2013	00:05:54	409	6.6	9.14	93.7	93.7		
09/19/2013	00:08:54	434	6.6	9.13	113.4	113.4		
09/19/2013	00:11:54	472	6.5	9.09	133.1	133.1		
09/19/2013	00:14:54	482	6.6	9.04	152.8	152.8		
09/19/2013	00:17:54	512	6.6	9.08	172.5	172.5		
09/19/2013	00:20:54	468	6.6	9.10	192.3	192.3		
09/19/2013	00:23:54	410	6.6	9.08	212.0	212.0		
09/19/2013	00:26:54	436	6.6	9.08	231.7	231.7		
09/19/2013	00:29:54	454	6.5	9.07	251.3	251.3		
09/19/2013	00:32:54	416	6.6	9.09	271.0	271.0		
09/19/2013	00:35:54	439	6.6	9.08	290.6	290.6		
09/19/2013	00:38:54	404	6.5	9.10	310.3	310.3		
09/19/2013	00:41:54	404	6.6	9.11	329.9	329.9		
09/19/2013	00:44:54	427	6.6	9.19	349.6	349.6		
09/19/2013	00:47:54	451	6.6	9.21	369.3	369.3		
09/19/2013	00:50:54	450	6.6	9.21	389.0	389.0		
09/19/2013	00:53:54	433	6.5	9.24	408.7	408.7		
09/19/2013	00:56:54	435	6.6	9.25	428.4	428.4		
09/19/2013	00:59:54	406	6.5	9.24	448.0	448.0		
09/19/2013	01:01:43						End Lead Slurry	
09/19/2013	01:01:43	318	6.5	9.33	460.0	460.0		
09/19/2013	01:01:44						Reset Total, Vol = 468.07 bbl	
09/19/2013	01:01:44	318	6.5	9.33	460.1	460.1		
09/19/2013	01:02:54	364	6.7	12.04	7.7	7.7		
09/19/2013	01:04:07						Start Mixing Tail Slurry	
09/19/2013	01:04:07	385	6.5	12.49	15.7	15.7		
09/19/2013	01:05:54	415	6.6	12.26	27.4	27.4		
09/19/2013	01:08:54	392	6.6	12.41	47.2	47.2		
09/19/2013	01:11:54	425	6.6	12.47	67.0	67.0		
09/19/2013	01:14:30						End Tail Slurry	
09/19/2013	01:14:30	427	6.6	12.42	84.2	84.2		
09/19/2013	01:14:33						Reset Total, Vol = 99.49 bbl	
09/19/2013	01:14:33	446	6.6	12.42	84.5	84.5		
09/19/2013	01:14:54	455	6.6	12.51	2.3	2.3		
09/19/2013	01:17:54	465	6.6	12.38	22.1	22.1		
09/19/2013	01:20:54	160	4.8	8.35	40.8	40.8		
09/19/2013	01:23:24						Drop Top Plug	
09/19/2013	01:23:24						Start Displacement	
09/19/2013	01:23:24	331	6.7	8.41	53.6	53.6		
09/19/2013	01:23:54	332	6.7	8.41	57.0	57.0		
09/19/2013	01:26:54	317	6.7	8.34	77.0	77.0		
09/19/2013	01:29:54	310	6.7	8.34	96.9	96.9		
09/19/2013	01:32:54	315	6.7	8.34	116.9	116.9		
09/19/2013	01:35:54	313	6.7	8.34	136.8	136.8		
09/19/2013	01:38:54	312	6.6	8.34	156.8	156.8		
09/19/2013	01:41:54	375	6.6	8.33	176.7	176.7		
09/19/2013	01:44:54	449	6.6	8.34	196.6	196.6		
09/19/2013	01:47:54	532	6.6	8.34	216.5	216.5		
09/19/2013	01:50:54	599	6.6	8.34	236.4	236.4		
09/19/2013	01:53:54	492	4.3	8.33	251.8	251.8		
09/19/2013	01:56:54	416	2.3	8.34	260.1	260.1		

Well			Field		Job Start	Customer	Job Number
SGU 8508E-33 8508E-33			Wild Cat		Sep/18/2013	Encana	CMI1-00253
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message
09/19/2013	02:00:36						Bump Top Plug
09/19/2013	02:00:36	1116	0.0	8.34	263.1	263.1	
09/19/2013	02:00:37						End Displacement
09/19/2013	02:00:37	1117	0.0	8.34	263.1	263.1	
09/19/2013	02:00:41						Reset Total, Vol = 224 bbl
09/19/2013	02:00:41	1116	0.0	8.34	263.1	263.1	
09/19/2013	02:02:54	1118	0.0	8.34	263.1	263.1	
09/19/2013	02:05:54	35	0.0	8.34	263.2	263.2	
09/19/2013	02:08:05						Floats Hold-1.5bbl back
09/19/2013	02:08:05	28	0.0	8.34	0.0	0.0	
09/19/2013	02:08:37	23	0.0	8.34	0.0	0.0	
09/19/2013	02:08:37						Stopped Acquisition

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.7	N2	Mud 0.0	Maximum Rate 18.5		Total Slurry 567.0	Mud 0.0	Spacer 52.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3724	Final 23	Average 405	Bump Plug to 800	Breakdown	Type		Volume	Density
Avg. N2 Percent		Designed Slurry Volume 560.0 bbl	Displacement 224.0 bbl	Mix Water Temp 77 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 300.0 bbl	
Customer or Authorized Representative Norman McCreary			Schlumberger Supervisor Michael Simon/ TJ Morrow			Washed Thru Perfs <input type="checkbox"/>		To
						Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-