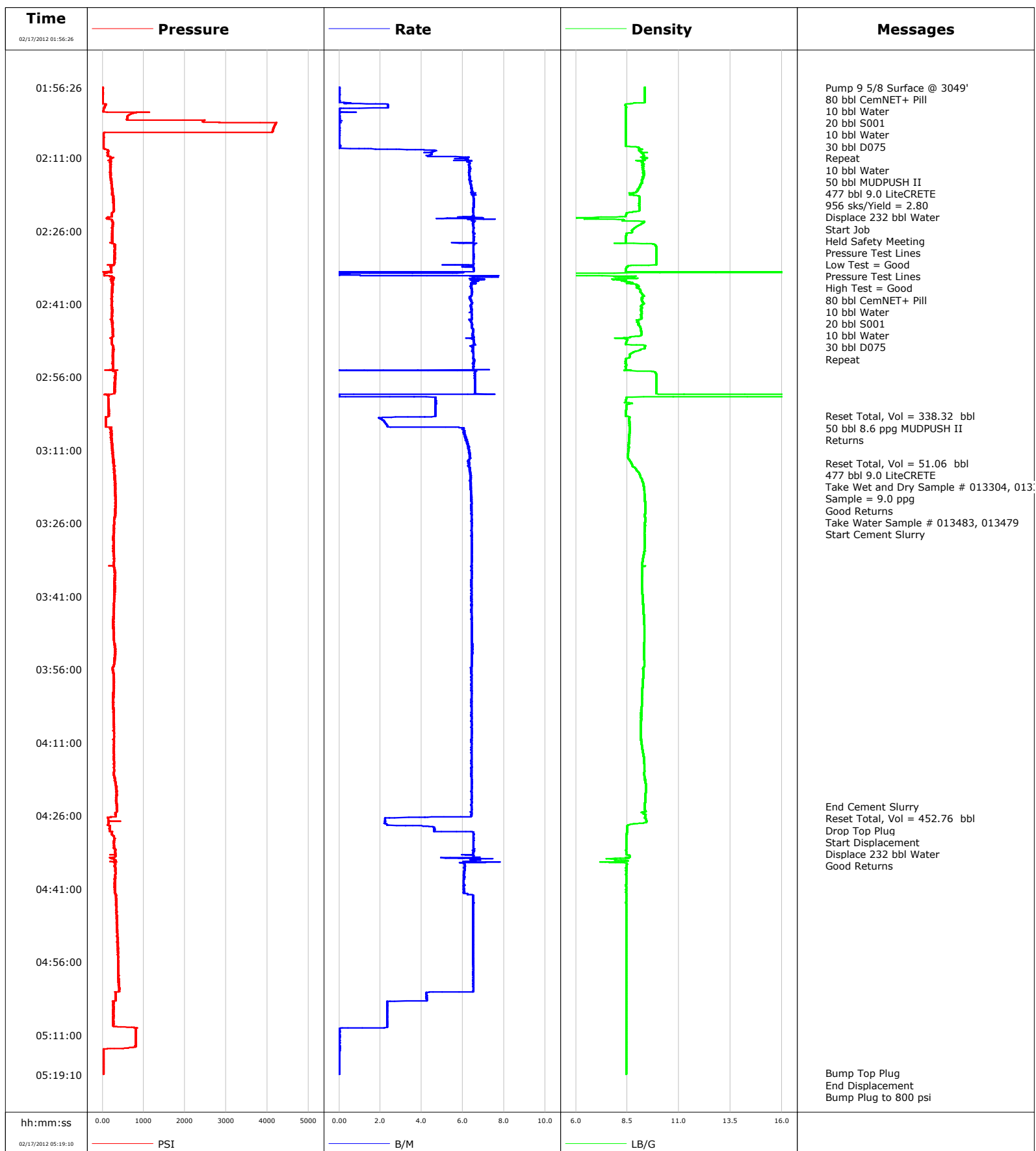


Well WD03A-30C1
Field STORY GULCH
Engineer Tom Leduc
Country United States

Client ENCANA
SIR No.
Job Type 9 5/8 SURFACE
Job Date 02-17-2012





Cementing Service Report

				Customer ENCANA		Job Number C0BA-00139		
Well WD03A-30C1 WD03A-30C1			Location (legal) C30		Schlumberger Location Grand Junction		Job Start Feb/16/2012	
Field STORY GULCH		Formation Name/Type Shale		Deviation 0 deg	Bit Size 14.8 in	Well MD 3049.0 ft		Well TVD 3049.0 ft
County GARFIELD		State/Province Colorado		BHP	BHST 115 degF	BHCT 95 degF	Pore Press. Gradient	
Well Master 0631328655		API/UWI						
Rig Name PATTERSON 330	Drilled For Gas	Service Via Land	Casing/Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development	3049.0	9.630	36.0	J55	8RD	
			0.0	0.000	0.0			
Drilling Fluid Type Bentonite		Max. Density 8.90 lb/gal	Plastic Viscosity 17.000 cP	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type 9 5/8 SURFACE							
Max. Allowed Tub. Press 3000 psi	Max. Allowed Ann. Press 500 psi	WH Connection Single Cement head	Perforations/Open Hole					
Service Instructions 9 5/8 SURFACE @ 3049'			Top,	Bottom,			No. of Shots	Total Interval
								Diameter
			Treat Down Casing	Displacement 232.0 bbl	Packer Type		Packer Depth	
			Tubing Vol.	Casing Vol. 235.0 bbl	Annular Vol. 372.0 bbl		Openhole Vol. 609.0 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 1509 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3049.0 ft		Tool Type		
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth	
Cement Head Type Single			Stage Tool Depth			Tail Pipe Size		
Job Scheduled For Feb/16/2012 20:00		Arrived on Location Feb/17/2012 00:00	Leave Location Feb/17/2012 07:00	Collar Type Float		Tail Pipe Depth		
				Collar Depth 3004.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
02/17/2012	01:56:26	9	0.0	9.34	0.0			
02/17/2012	01:56:27					Pump 9 5/8 Surface @ 3049'		
02/17/2012	01:56:27	8	0.0	9.34	0.0			
02/17/2012	01:56:28					80 bbl CemNET+ Pill		
02/17/2012	01:56:28					10 bbl Water		
02/17/2012	01:56:28					20 bbl S001		
02/17/2012	01:56:28					10 bbl Water		
02/17/2012	01:56:28					30 bbl D075		
02/17/2012	01:56:28	8	0.0	9.34	0.0			
02/17/2012	01:56:29					Repeat		
02/17/2012	01:56:29					10 bbl Water		
02/17/2012	01:56:29					50 bbl MUDPUSH II		
02/17/2012	01:56:29					477 bbl 9.0 LiteCRETE		
02/17/2012	01:56:29					956 sks/Yield = 2.80		
02/17/2012	01:56:29	8	0.0	9.34	0.0			
02/17/2012	01:56:30					Displace 232 bbl Water		
02/17/2012	01:56:30	8	0.0	9.34	0.0			
02/17/2012	01:56:33					Start Job		
02/17/2012	01:56:33	9	0.0	9.34	0.0			
02/17/2012	01:56:34					Held Safety Meeting		
02/17/2012	01:56:34	9	0.0	9.34	0.0			

Well WD03A-30C1 WD03A-30C1			Field STORY GULCH		Job Start Feb/16/2012	Customer ENCANA	Job Number C0BA-00139
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/17/2012	01:56:35	9	0.0	9.34	0.0		
02/17/2012	01:56:36					Low Test = Good	
02/17/2012	01:56:36	8	0.0	9.34	0.0		
02/17/2012	01:56:37					Pressure Test Lines	
02/17/2012	01:56:37	8	0.0	9.34	0.0		
02/17/2012	01:56:38					High Test = Good	
02/17/2012	01:56:38	8	0.0	9.34	0.0		
02/17/2012	01:56:45					80 bbl CemNET+ Pill	
02/17/2012	01:56:45	14	0.0	9.34	0.0		
02/17/2012	01:56:46					10 bbl Water	
02/17/2012	01:56:46					20 bbl S001	
02/17/2012	01:56:46					10 bbl Water	
02/17/2012	01:56:46					30 bbl D075	
02/17/2012	01:56:46					Repeat	
02/17/2012	01:56:46	12	0.0	9.34	0.0		
02/17/2012	01:58:56	7	0.0	9.34	0.0		
02/17/2012	02:01:26	27	0.0	8.42	2.3		
02/17/2012	02:03:56	4198	0.0	8.42	2.4		
02/17/2012	02:06:26	29	0.0	8.42	2.4		
02/17/2012	02:08:56	25	0.1	9.06	2.5		
02/17/2012	02:11:26	208	6.2	9.29	13.6		
02/17/2012	02:13:56	205	6.3	9.26	29.4		
02/17/2012	02:16:26	228	6.4	9.13	45.2		
02/17/2012	02:18:56	259	6.5	9.08	61.4		
02/17/2012	02:21:26	266	6.5	9.08	77.7		
02/17/2012	02:23:56	234	6.5	8.25	93.7		
02/17/2012	02:26:26	245	6.5	8.56	110.0		
02/17/2012	02:28:56	308	6.5	9.87	126.3		
02/17/2012	02:31:26	284	6.5	9.90	142.5		
02/17/2012	02:33:56	211	6.5	8.42	158.7		
02/17/2012	02:36:26	245	6.5	8.54	170.8		
02/17/2012	02:38:56	232	6.4	9.21	186.9		
02/17/2012	02:41:26	226	6.4	9.17	202.9		
02/17/2012	02:43:56	226	6.4	9.18	219.0		
02/17/2012	02:46:26	253	6.5	9.17	235.0		
02/17/2012	02:48:56	223	6.5	8.43	251.3		
02/17/2012	02:51:26	243	6.5	8.62	267.5		
02/17/2012	02:53:56	255	6.5	8.41	283.8		
02/17/2012	02:56:26	310	6.6	9.90	299.4		
02/17/2012	02:58:56	288	6.6	9.90	315.9		
02/17/2012	03:01:26	152	4.7	8.72	326.4		
02/17/2012	03:03:56	156	4.7	8.42	338.1		
02/17/2012	03:03:59					Reset Total, Vol = 338.32 bbl	
02/17/2012	03:03:59	155	4.7	8.42	338.3		
02/17/2012	03:04:00					50 bbl 8.6 ppg MUDPUSH II	
02/17/2012	03:04:00	155	4.7	8.42	338.4		
02/17/2012	03:04:01					Returns	
02/17/2012	03:04:01	154	4.7	8.42	338.5		
02/17/2012	03:06:26	202	6.0	8.61	344.7		
02/17/2012	03:08:56	233	6.1	8.57	360.0		
02/17/2012	03:11:26	251	6.3	8.54	375.6		
02/17/2012	03:13:37					Reset Total, Vol = 51.06 bbl	
02/17/2012	03:13:37	277	6.3	8.68	389.4		

Well			Field		Job Start		Customer		Job Number	
WD03A-30C1 WD03A-30C1			STORY GULCH		Feb/16/2012		ENCANA		COBA-00139	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/17/2012	03:13:39					Take Wet and Dry Sample # 013304, 013375, 013404, 013129				
02/17/2012	03:13:39					Sample = 9.0 ppg				
02/17/2012	03:13:39	260	6.3	8.68	389.6					
02/17/2012	03:13:40					Good Returns				
02/17/2012	03:13:40					Take Water Sample # 013483, 013479				
02/17/2012	03:13:40	260	6.3	8.68	389.7					
02/17/2012	03:13:56	275	6.3	8.71	391.4					
02/17/2012	03:16:26	286	6.4	9.13	407.2					
02/17/2012	03:18:07					Start Cement Slurry				
02/17/2012	03:18:07	310	6.4	9.28	418.0					
02/17/2012	03:18:56	306	6.4	9.30	423.2					
02/17/2012	03:21:26	321	6.4	9.36	439.2					
02/17/2012	03:23:56	312	6.4	9.36	455.2					
02/17/2012	03:26:26	272	6.4	9.36	471.3					
02/17/2012	03:28:56	267	6.4	9.34	487.3					
02/17/2012	03:31:26	268	6.4	9.33	503.4					
02/17/2012	03:33:56	276	6.4	9.24	519.5					
02/17/2012	03:36:26	306	6.4	9.22	535.5					
02/17/2012	03:38:56	304	6.4	9.21	551.6					
02/17/2012	03:41:26	288	6.4	9.25	567.6					
02/17/2012	03:43:56	273	6.4	9.28	583.7					
02/17/2012	03:46:26	264	6.4	9.30	599.7					
02/17/2012	03:48:56	271	6.4	9.32	615.8					
02/17/2012	03:51:26	312	6.5	9.30	631.9					
02/17/2012	03:53:56	300	6.4	9.31	648.0					
02/17/2012	03:56:26	255	6.4	9.28	664.1					
02/17/2012	03:58:56	275	6.4	9.26	680.1					
02/17/2012	04:01:26	267	6.4	9.22	696.2					
02/17/2012	04:03:56	268	6.4	9.18	712.2					
02/17/2012	04:06:26	268	6.4	9.17	728.3					
02/17/2012	04:08:56	283	6.4	9.16	744.3					
02/17/2012	04:11:26	284	6.4	9.19	760.4					
02/17/2012	04:13:56	278	6.4	9.29	776.4					
02/17/2012	04:16:26	289	6.4	9.33	792.5					
02/17/2012	04:18:56	303	6.4	9.36	808.5					
02/17/2012	04:21:26	353	6.4	9.38	824.6					
02/17/2012	04:23:56	339	6.4	9.35	840.6					
02/17/2012	04:24:09					End Cement Slurry				
02/17/2012	04:24:09	352	6.4	9.34	842.0					
02/17/2012	04:24:10					Reset Total, Vol = 452.76 bbl				
02/17/2012	04:24:10	356	6.4	9.34	842.1					
02/17/2012	04:24:11					Drop Top Plug				
02/17/2012	04:24:11					Start Displacement				
02/17/2012	04:24:11	346	6.4	9.34	842.2					
02/17/2012	04:24:12					Displace 232 bbl Water				
02/17/2012	04:24:12	346	6.4	9.34	842.3					
02/17/2012	04:24:13					Good Returns				
02/17/2012	04:24:13	348	6.4	9.34	842.4					
02/17/2012	04:26:26	123	3.4	9.37	856.4					
02/17/2012	04:28:56	167	4.6	8.48	863.9					
02/17/2012	04:31:26	268	6.5	8.44	879.5					
02/17/2012	04:33:56	320	6.5	8.44	895.8					
02/17/2012	04:36:26	297	6.1	8.47	911.7					

Well			Field		Job Start		Customer		Job Number	
WD03A-30C1 WD03A-30C1			STORY GULCH		Feb/16/2012		ENCANA		COBA-00139	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/17/2012	04:41:26	304	6.1	8.44	942.0					
02/17/2012	04:43:56	344	6.5	8.42	957.9					
02/17/2012	04:46:26	343	6.5	8.44	974.1					
02/17/2012	04:48:56	352	6.5	8.44	990.3					
02/17/2012	04:51:26	363	6.5	8.44	1006.6					
02/17/2012	04:53:56	385	6.5	8.44	1022.8					
02/17/2012	04:56:26	384	6.5	8.44	1039.1					
02/17/2012	04:58:56	393	6.5	8.44	1055.3					
02/17/2012	05:01:26	405	6.5	8.44	1071.6					
02/17/2012	05:03:56	327	4.2	8.44	1084.0					
02/17/2012	05:06:26	263	2.3	8.44	1090.2					
02/17/2012	05:08:56	264	2.3	8.44	1096.0					
02/17/2012	05:11:26	809	0.0	8.44	1097.6					
02/17/2012	05:13:56	79	0.0	8.44	1097.7					
02/17/2012	05:16:26	28	0.0	8.44	1097.7					
02/17/2012	05:18:53					Bump Top Plug				
02/17/2012	05:18:53	29	0.0	8.44	1097.8					
02/17/2012	05:18:54					End Displacement				
02/17/2012	05:18:54	29	0.0	8.44	1097.8					
02/17/2012	05:18:56					Bump Plug to 800 psi				
02/17/2012	05:18:56					Bled Off Pressure				
02/17/2012	05:18:56					1 bbl Back				
02/17/2012	05:18:56	29	0.0	8.44	1097.8					
02/17/2012	05:18:57					Floats Held				
02/17/2012	05:18:57					200 bbl Cement to Surface				
02/17/2012	05:18:57					Wait on Parasite Line				
02/17/2012	05:18:57	29	0.0	8.44	1097.8					
02/17/2012	06:20:57					Pump 10 bbl Sugar Water Through Parasite Line				
02/17/2012	06:20:57					Rig Down				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.4	N2	Mud 0.0	Maximum Rate 7.8		Total Slurry 1097.8	Mud 0.0	Spacer 417.9	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4232	Final 0	Average 316	Bump Plug to 700	Breakdown	Type	Volume	Density	
Avg. N2 Percent		Designed Slurry Volume 477.0 bbl		Displacement 255.6 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative RANDY BURKE			Schlumberger Supervisor Tom Leduc			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	