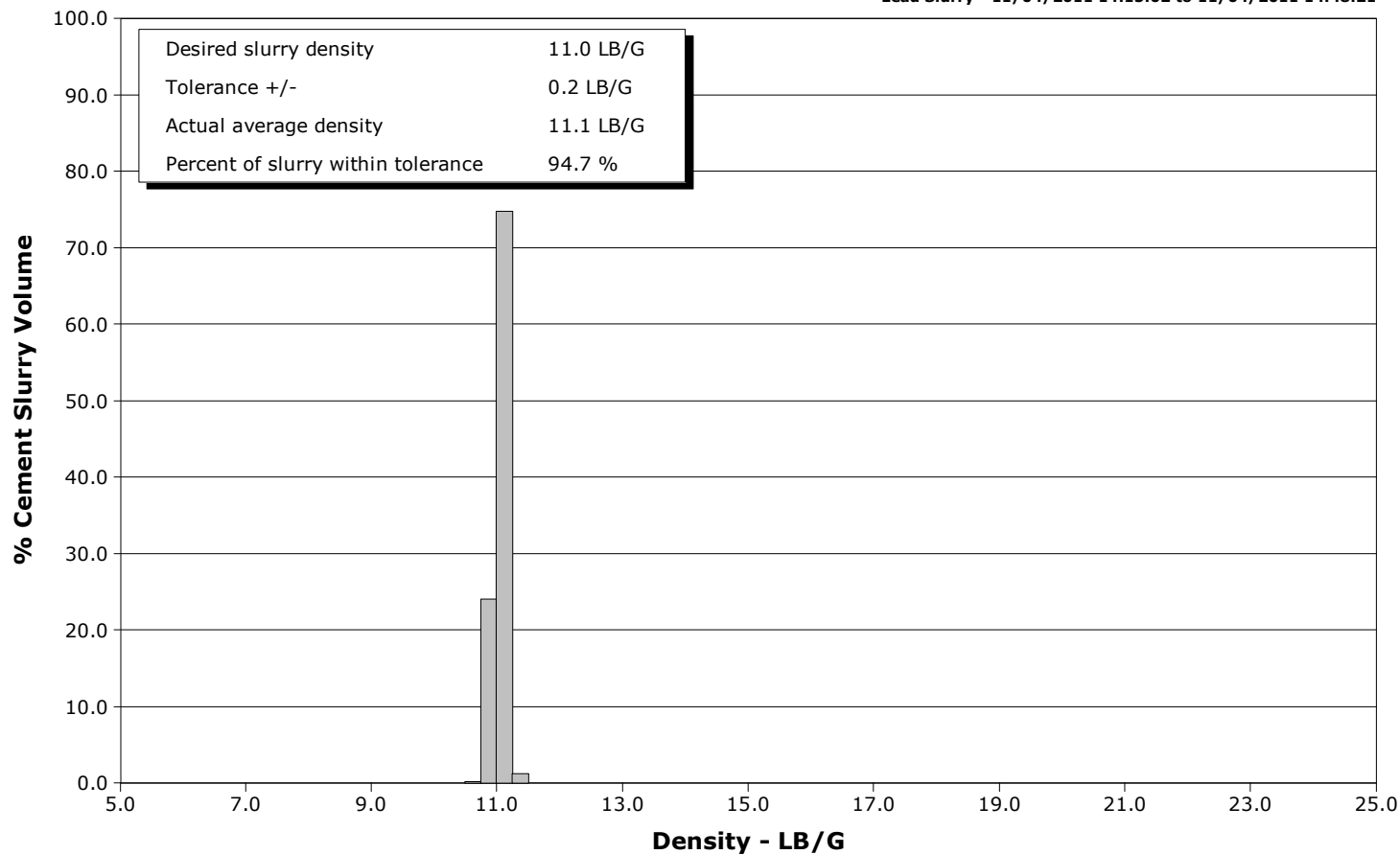


Schlumberger Cementing Qa/Qc Density Report

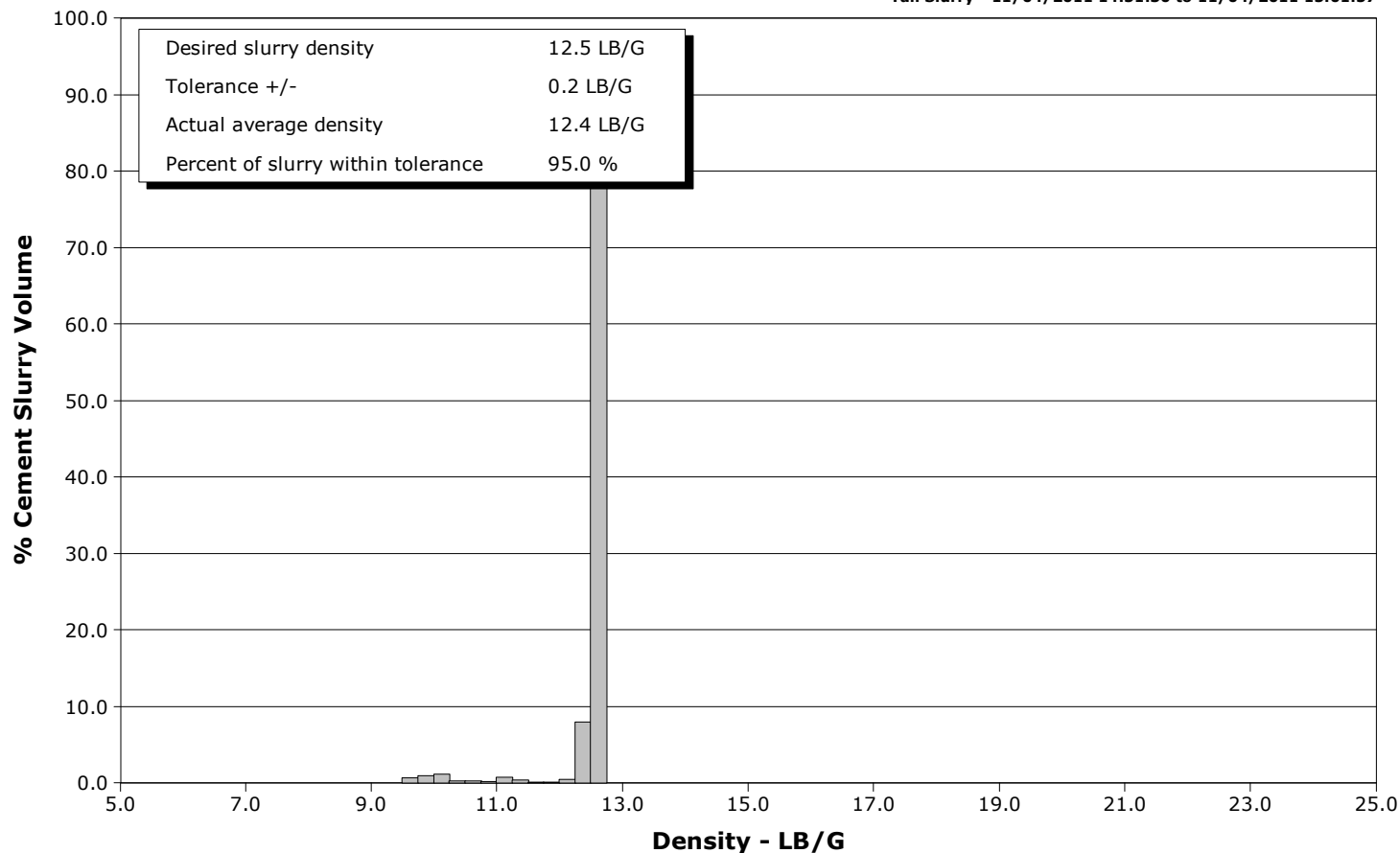
Well SGU 8508-21 N
Field STORY GULCH
Engineer
Country United States

Client ENCANA
SIR No. BQMF-00336
Job Type SURFACE
Job Date 11-04-2011

Lead Slurry - 11/04/2011 14:15:02 to 11/04/2011 14:48:21



Tail Slurry - 11/04/2011 14:51:30 to 11/04/2011 15:01:57





Cementing Service Report

				Customer ENCANA			Job Number BQMF-00336								
Well SGU 8508-21 N			Location (legal) N PARACHUTE			Schlumberger Location GCO			Job Start Nov/04/2011						
Field STORY GULCH		Formation Name/Type			Deviation		Bit Size		Well MD		Well TVD				
County GARFILED		State/Province Colorado			BHP		BHST		BHCT		Pore Press. Gradient				
Well Master 0631277942		API/UWI													
Rig Name PATTERSON 306		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	
						2132.0		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
						Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing		Job Type SURFACE													
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
						Top,		Bottom,				No. of Shots		Total Interval	
Service Instructions 50bbbs MP 505sks 11# litefill yield= 2.87 250sks 12.5 litefill yield= 1.81														Diameter	
						Treat Down Casing		Displacement 161.0 bbl		Packer Type		Packer Depth			
Tubing Vol.		Casing Vol. 165.0 bbl		Annular Vol. 259.0 bbl		Openhole Vol. 424.0 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 1055 psi				Shoe Type Guide				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2132.0 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 Nov/04/2011		Arrived on Location Nov/04/2011		Leave Location Nov/04/2011		Collar Type Diff-Fill				Tail Pipe Depth					
						Collar Depth 2086.0 ft				Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
11/04/2011	13:53:45					Started Acquisition									
11/04/2011	13:53:48	-1	0.0	8.40	0.0										
11/04/2011	13:53:49					Cement 2132'									
11/04/2011	13:53:49	19	0.0	8.40	0.0										
11/04/2011	13:53:50					Surface Casing									
11/04/2011	13:53:50					Water Sample									
11/04/2011	13:53:50					Test= Good									
11/04/2011	13:53:50					Sample#1409613861									
11/04/2011	13:53:50	19	0.0	8.40	0.0										
11/04/2011	13:53:55					Pressure Test Lines									
11/04/2011	13:53:55	19	0.0	8.40	0.0										
11/04/2011	13:53:56					Test To 5003000psi									
11/04/2011	13:53:56					Test= Sucsesfull									
11/04/2011	13:53:56	17	0.0	8.40	0.0										
11/04/2011	13:57:45	49	3.1	8.41	1.0										
11/04/2011	13:59:45	895	0.0	8.43	2.4										
11/04/2011	14:01:45	1	0.0	8.42	2.4										
11/04/2011	14:03:45	1	0.0	8.42	2.4										
11/04/2011	14:04:55					Sart Mudpush									
11/04/2011	14:04:55					50bbbs @ 10ppg									
11/04/2011	14:04:55	17	1.4	8.42	2.5										

Well			Field		Job Start		Customer		Job Number	
SGU 8508-21 N			STORY GULCH		Nov/04/2011		ENCANA		BQMF-00336	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/04/2011	14:07:45	198	6.6	10.29	12.9					
11/04/2011	14:09:45	152	6.7	10.16	26.1					
11/04/2011	14:11:45	181	6.6	10.10	39.4					
11/04/2011	14:13:23					End Mudpush				
11/04/2011	14:13:23	154	6.6	10.08	50.3					
11/04/2011	14:13:45	113	8.5	9.78	52.9					
11/04/2011	14:14:45					Reset Total, Vol = 60.80 bbl				
11/04/2011	14:14:45	205	7.3	10.72	60.8					
11/04/2011	14:15:02					Start Mixing Lead Slurry				
11/04/2011	14:15:02	242	7.4	10.90	62.9					
11/04/2011	14:15:03					258bbbls @ 11ppg				
11/04/2011	14:15:03					Good Retruns				
11/04/2011	14:15:03					Take WetDry Sample				
11/04/2011	14:15:03					Sample= 11ppg				
11/04/2011	14:15:03	242	7.6	10.92	63.0					
11/04/2011	14:15:04					Sample# =14112				
11/04/2011	14:15:04					and 13889				
11/04/2011	14:15:04	233	7.9	10.86	63.1					
11/04/2011	14:15:45	243	7.5	11.20	68.2					
11/04/2011	14:17:45	225	7.9	11.06	83.7					
11/04/2011	14:19:45	248	7.9	11.07	99.6					
11/04/2011	14:21:45	237	7.9	11.05	115.5					
11/04/2011	14:23:45	230	7.9	11.04	131.4					
11/04/2011	14:25:45	235	8.0	11.06	147.2					
11/04/2011	14:27:45	235	8.0	11.07	163.1					
11/04/2011	14:29:45	244	8.0	10.99	179.0					
11/04/2011	14:31:45					Cemnet 1st 100bbbls				
11/04/2011	14:31:45	239	7.9	10.97	194.9					
11/04/2011	14:33:45	223	7.9	10.77	210.7					
11/04/2011	14:35:45	211	7.8	11.18	226.5					
11/04/2011	14:37:45	249	7.8	11.17	242.1					
11/04/2011	14:39:45	254	7.8	11.09	257.8					
11/04/2011	14:41:45	251	7.9	10.95	273.6					
11/04/2011	14:43:45	243	7.9	11.02	289.3					
11/04/2011	14:45:45	173	6.5	10.94	302.7					
11/04/2011	14:47:45	184	6.5	11.16	315.7					
11/04/2011	14:48:21					End Lead Slurry				
11/04/2011	14:48:21	176	6.5	11.13	319.5					
11/04/2011	14:49:45	184	6.4	11.79	328.5					
11/04/2011	14:49:50					Start Mixing Scav Slurry				
11/04/2011	14:49:50	183	6.3	11.80	329.0					
11/04/2011	14:49:51					11ppg To 12.5ppg				
11/04/2011	14:49:51	199	6.3	11.80	329.2					
11/04/2011	14:51:08					Reset Total, Vol = 276.78 bbl				
11/04/2011	14:51:08	229	6.4	12.17	337.6					
11/04/2011	14:51:30					Start Mixing Tail Slurry				
11/04/2011	14:51:30	227	6.4	12.30	339.9					
11/04/2011	14:51:31					79bbbls @ 12.5ppg				
11/04/2011	14:51:31					Good Retruns				
11/04/2011	14:51:31					Take WetDry Sample				
11/04/2011	14:51:31	238	6.4	12.31	340.0					
11/04/2011	14:51:32					Sample# = 14273				
11/04/2011	14:51:32					Sample = 12.5ppg				
11/04/2011	14:51:32	235	6.4	12.31	340.1					

Well			Field		Job Start	Customer		Job Number
SGU 8508-21 N			STORY GULCH		Nov/04/2011	ENCANA		BQMF-00336
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/04/2011	14:53:45	257	6.3	12.56	354.2			
11/04/2011	14:55:45	255	6.4	12.54	366.9			
11/04/2011	14:57:45	264	6.4	12.59	379.6			
11/04/2011	14:59:45	253	6.4	12.55	392.3			
11/04/2011	15:01:45	141	9.1	10.11	405.4			
11/04/2011	15:01:57					End Tail Slurry		
11/04/2011	15:01:57	157	8.2	10.41	407.0			
11/04/2011	15:02:29					Drop Top Plug		
11/04/2011	15:02:29	90	7.9	10.45	411.4			
11/04/2011	15:03:45	16	0.0	10.79	418.6			
11/04/2011	15:05:45	41	1.3	10.71	418.6			
11/04/2011	15:07:45	45	4.0	8.55	424.9			
11/04/2011	15:09:13					Start Displacement		
11/04/2011	15:09:13	75	5.1	8.44	432.1			
11/04/2011	15:09:14					161bbls Fresh H2o		
11/04/2011	15:09:14					Good Returns		
11/04/2011	15:09:14	81	5.1	8.44	432.2			
11/04/2011	15:09:45	113	6.5	8.38	435.3			
11/04/2011	15:11:45	80	5.8	5.94	448.8			
11/04/2011	15:13:45	140	6.4	7.52	461.8			
11/04/2011	15:15:45	173	6.4	8.32	474.5			
11/04/2011	15:17:45	203	6.4	8.38	487.3			
11/04/2011	15:19:45	255	6.4	8.38	500.2			
11/04/2011	15:21:45	163	1.9	8.38	506.6			
11/04/2011	15:23:45	88	0.0	8.38	506.7			
11/04/2011	15:25:45	85	0.0	8.38	506.7			
11/04/2011	15:27:45	301	6.4	8.38	512.5			
11/04/2011	15:29:45	332	6.4	8.38	525.3			
11/04/2011	15:31:45	387	6.4	8.38	538.2			
11/04/2011	15:33:45	421	6.4	8.38	551.0			
11/04/2011	15:35:45	421	6.4	8.38	563.8			
11/04/2011	15:37:45	396	4.2	8.38	575.1			
11/04/2011	15:39:45	340	1.7	8.38	581.4			
11/04/2011	15:41:45	339	1.7	8.38	584.8			
11/04/2011	15:43:45	354	1.7	8.38	588.2			
11/04/2011	15:44:50					Bump Top Plug		
11/04/2011	15:44:50	1027	0.0	8.38	589.5			
11/04/2011	15:44:52					Bump To 1000psi		
11/04/2011	15:44:52	1025	0.0	8.38	589.5			
11/04/2011	15:45:08					130bbls To Surface		
11/04/2011	15:45:08	1023	0.0	8.38	589.5			
11/04/2011	15:45:45	1022	0.0	8.38	589.5			
11/04/2011	15:47:45	1022	0.0	8.38	589.5			
11/04/2011	15:49:45	1023	0.0	8.38	589.5			
11/04/2011	15:51:45	1025	0.0	8.38	589.5			
11/04/2011	15:52:42					Floats Held		
11/04/2011	15:52:42	3	0.0	8.39	589.5			
11/04/2011	15:52:45					End Displacement		
11/04/2011	15:52:45	3	0.0	8.39	589.5			
11/04/2011	15:53:03					Wait To Pump Parasite		
11/04/2011	15:53:03	3	0.0	8.39	589.5			
11/04/2011	15:53:45	3	0.0	8.39	589.5			
11/04/2011	15:55:45	3	0.0	8.39	589.5			
11/04/2011	15:57:45	70	2.4	8.41	590.9			

Well			Field		Job Start	Customer		Job Number
SGU 8508-21 N			STORY GULCH		Nov/04/2011	ENCANA		BQMF-00336
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
11/04/2011	16:01:45	522	7.8	8.38	617.0			
11/04/2011	16:03:45	11	0.0	8.38	630.3			
11/04/2011	16:05:45	3	0.0	8.38	630.3			
11/04/2011	16:07:45	107	0.0	8.38	630.3			
11/04/2011	16:09:45	3	0.0	8.39	630.3			
11/04/2011	16:11:45	2	0.0	8.39	630.3			
11/04/2011	16:13:45	2	0.0	8.39	630.3			
11/04/2011	16:15:45	2	0.0	8.39	630.3			
11/04/2011	16:17:45	2	0.0	8.39	630.3			
11/04/2011	16:19:45	2	0.0	8.39	630.3			
11/04/2011	16:21:45	2	0.0	8.39	630.3			
11/04/2011	16:23:45	2	0.0	8.39	630.3			
11/04/2011	16:25:45	3	0.0	8.39	630.3			
11/04/2011	16:27:45	2	0.0	8.39	630.3			
11/04/2011	16:29:45	3	0.0	8.39	630.3			
11/04/2011	16:31:45	2	0.0	8.40	630.3			
11/04/2011	16:33:45	3	0.0	8.40	630.3			
11/04/2011	16:35:45	2	0.0	8.40	630.3			
11/04/2011	16:37:45	2	0.0	8.40	630.3			
11/04/2011	16:39:45	2	0.0	8.40	630.3			
11/04/2011	16:41:45	2	0.0	8.40	630.3			
11/04/2011	16:43:45	2	0.0	8.40	630.3			
11/04/2011	16:45:45	2	0.0	8.40	630.3			
11/04/2011	16:47:45	5	0.0	8.40	630.3			
11/04/2011	16:49:45	6	0.0	8.40	630.3			
11/04/2011	16:51:45	2	0.0	8.41	630.3			
11/04/2011	16:53:45	26	2.2	8.42	631.8			
11/04/2011	16:55:45	294	1.8	8.41	636.1			
11/04/2011	16:57:45	311	2.0	8.40	639.8			
11/04/2011	16:59:19	27	1.8	8.40	640.4			
11/04/2011	16:59:19					Stopped Acquisition		

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent		Designed Slurry Volume 337.0 bbl		Displacement	Mix Water Temp 69 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative MIKE QUINTANA			Schlumberger Supervisor JASON CRICK			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-