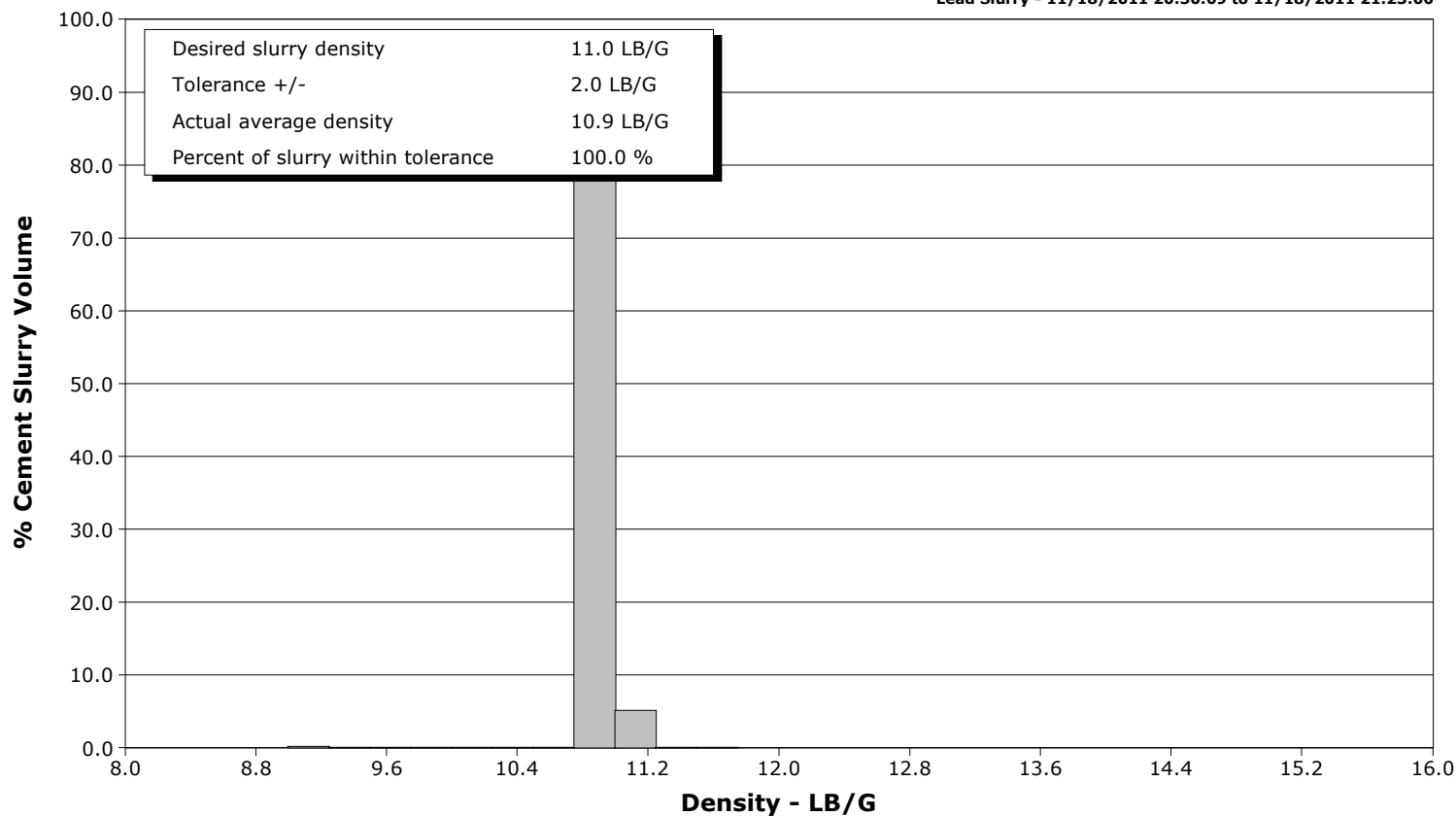


11/19/2011 01:24:51

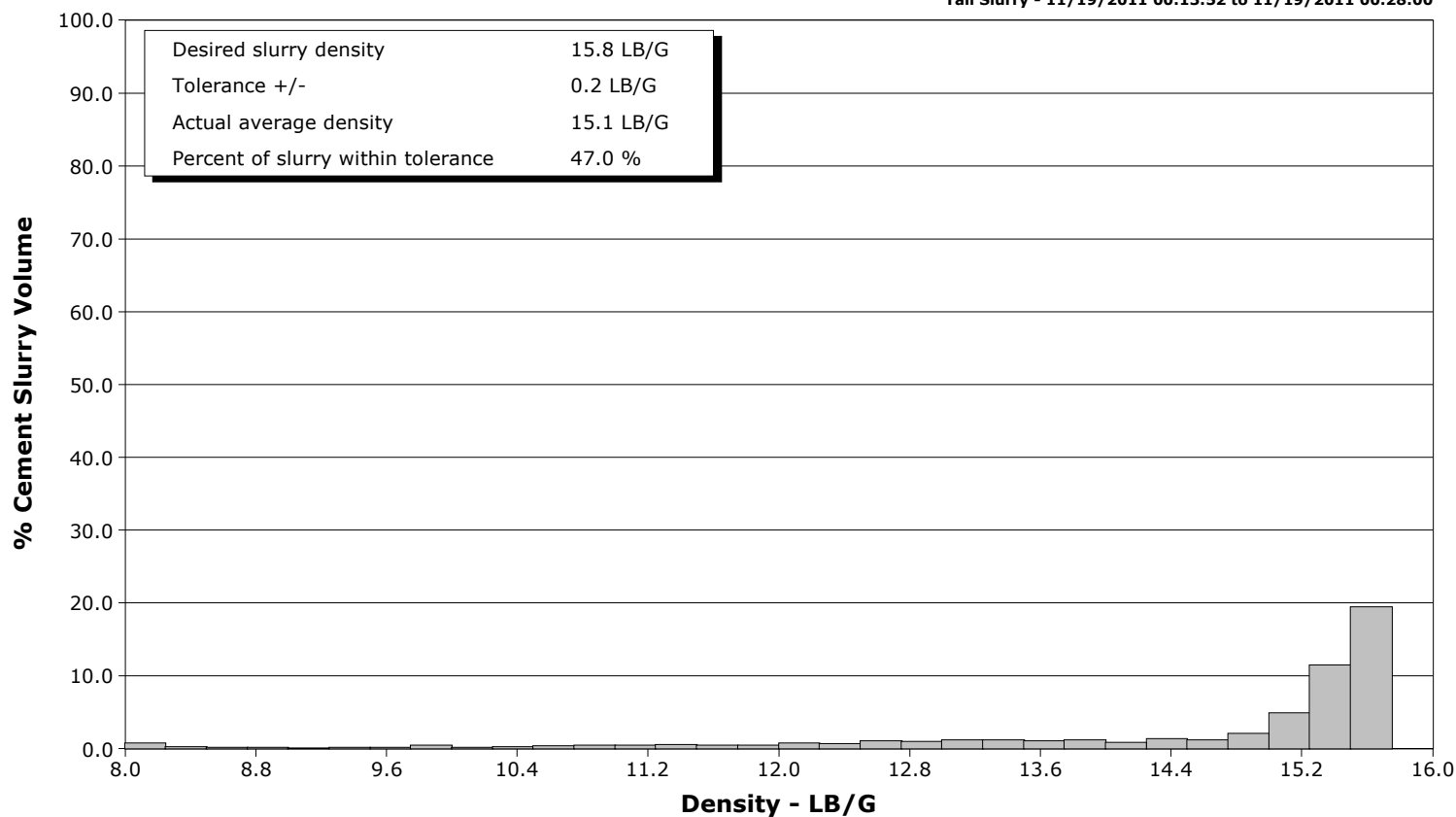
Well SGU 8508B-22
Field Story Gulch Unit
Engineer Ryan Bowditch
Country United States

Client EnCana
SIR No. BQMF-00454
Job Type Plug Cementing
Job Date 11-18-2011

Lead Slurry - 11/18/2011 20:30:09 to 11/18/2011 21:23:00



Tail Slurry - 11/19/2011 00:13:52 to 11/19/2011 00:28:00



Cementing Service Report

					Customer EnCana			Job Number BQMF-00454	
Well SGU 8508B-22			Location (legal) N22		Schlumberger Location Grand Junction, CO			Job Start Nov/18/2011	
Field Story Gulch Unit		Formation Name/Type Shale		Deviation 15 deg	Bit Size 14.8 in	Well MD 1373.0 ft		Well TVD 1373.0 ft	
County Garfield		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal		
Well Master		API/UWI							
Rig Name Patterson 306	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							
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe					
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	
Service Line Cementing	Job Type Plug Cementing								
Max. Allowed Tub. Press 1500 psi	Max. Allowed Ann. Press 500 psi	WH Connection	Perforations/Open Hole						
			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft		
			ft	ft					
			ft	ft			Diameter in		
			ft	ft					
			Treat Down Drill Pipe	Displacement bbl	Packer Type	Packer Depth ft			
			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl			
Casing/Tubing Secured <input type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job			
Lift Pressure psi			Shoe Type			Squeeze Type			
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft			Tool Type			
No. Centralizers	Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth ft			
Cement Head Type			Stage Tool Depth ft			Tail Pipe Size in			
Job Scheduled For Nov/18/2011	Arrived on Location Nov/18/2011	Leave Location Nov/18/2011	Collar Type			Tail Pipe Depth ft			
			Collar Depth ft			Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
11/18/2011	20:08:51	-4	0.0	8.42	0.0	0	Started Acquisition		
11/18/2011	20:08:55	-4	0.0	8.42	0.0	0	Start Job		
11/18/2011	20:10:31	-4	0.0	8.42	0.0	0			
11/18/2011	20:12:11	-3	0.0	8.42	0.0	0			
11/18/2011	20:13:51	14	0.0	8.41	2.1	0			
11/18/2011	20:14:18	12	0.0	8.41	2.1	0	Held Safety Meeting		
11/18/2011	20:14:50	10	0.0	8.41	2.1	0	2 bbls Water Ahead		
11/18/2011	20:15:31	1321	0.0	8.41	2.1	0			
11/18/2011	20:15:52	1303	0.0	8.41	2.1	0	Pressure Test Lines		
11/18/2011	20:15:53	1302	0.0	8.41	2.1	0	500 psi Pressure Test		
11/18/2011	20:15:54	1302	0.0	8.41	2.1	0	Pressure Test = Good		
11/18/2011	20:17:03	3882	0.0	8.42	2.1	0	4000 psi Pressure Test		
11/18/2011	20:17:04	3882	0.0	8.41	2.1	0	Pressure Test = Good		
11/18/2011	20:17:11	3874	0.0	8.41	2.1	0			
11/18/2011	20:18:36	2	0.0	8.41	2.1	0	Start Pumping Spacer		
11/18/2011	20:18:38	2	0.0	8.41	2.1	0	Pump 25 bbls of MudPushII @ 10.0 PPG		
11/18/2011	20:18:51	2	0.0	8.41	2.1	0			
11/18/2011	20:20:31	13	0.0	8.42	0.0	0			
11/18/2011	20:22:11	76	2.5	9.25	0.5	28			
11/18/2011	20:23:51	65	2.7	9.88	4.3	28			
11/18/2011	20:25:31	61	3.5	9.97	9.5	26			

Well			Field		Job Start		Customer		Job Number
SGU 8508B-22			Story Gulch Unit		Nov/18/2011		EnCana		BQMF-00454
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
11/18/2011	20:28:51	70	4.3	9.97	22.9	23			
11/18/2011	20:29:51	75	3.1	10.65	26.7	27	End Spacer		
11/18/2011	20:29:59	76	3.2	10.73	27.1	27	Reset Total, Vol = 29.25 bbl		
11/18/2011	20:30:09	78	3.3	10.94	27.7	17	Start Mixing Lead Slurry		
11/18/2011	20:30:14	78	3.3	11.12	27.9	20	Pump 504sks (255 bbls) @ 11.0 PPG		
11/18/2011	20:30:15	77	3.3	11.12	28.0	20	Take Wet/Dry Samples		
11/18/2011	20:30:31	78	3.3	11.07	28.9	19			
11/18/2011	20:32:11	62	3.1	10.90	34.7	26			
11/18/2011	20:32:12	62	3.1	10.90	34.7	26	Pressure Scale = 10.9 ppg		
11/18/2011	20:33:51	66	3.3	10.89	40.0	28			
11/18/2011	20:35:31	74	3.5	10.94	47.7	29			
11/18/2011	20:37:11	94	4.4	10.97	54.2	30			
11/18/2011	20:38:51	100	4.7	10.95	62.4	30			
11/18/2011	20:40:31	217	6.5	10.91	71.8	30			
11/18/2011	20:42:11	127	5.1	10.90	80.4	30			
11/18/2011	20:43:51	127	5.1	10.93	88.9	30			
11/18/2011	20:45:31	130	5.1	10.94	97.3	30			
11/18/2011	20:47:11	120	5.1	10.93	105.8	30			
11/18/2011	20:48:51	130	5.1	10.97	114.3	30			
11/18/2011	20:50:31	132	5.1	10.96	122.8	30			
11/18/2011	20:52:11	128	5.1	10.96	131.2	30			
11/18/2011	20:53:51	123	5.1	10.95	139.7	30			
11/18/2011	20:55:31	120	5.1	10.94	148.2	30			
11/18/2011	20:57:11	119	5.1	10.90	156.7	29			
11/18/2011	20:58:51	129	5.1	10.91	165.2	29			
11/18/2011	21:00:31	127	5.1	10.93	173.6	30			
11/18/2011	21:02:11	129	5.1	10.92	182.1	30			
11/18/2011	21:03:51	128	5.1	10.93	190.6	30			
11/18/2011	21:05:31	132	5.1	10.95	199.1	30			
11/18/2011	21:07:11	130	5.1	10.95	207.6	30			
11/18/2011	21:08:51	132	5.1	10.95	216.1	30			
11/18/2011	21:10:31	121	5.1	10.93	224.5	30			
11/18/2011	21:12:11	128	5.1	10.89	233.0	30			
11/18/2011	21:13:51	129	5.1	10.95	241.5	31			
11/18/2011	21:15:31	138	5.1	10.99	250.0	31			
11/18/2011	21:17:11	135	5.1	10.99	258.5	31			
11/18/2011	21:18:51	134	5.1	10.98	266.9	31			
11/18/2011	21:20:31	69	3.6	10.99	273.2	31			
11/18/2011	21:22:11	68	3.5	10.99	279.1	31			
11/18/2011	21:23:00	58	3.0	9.11	281.8	41	End Lead Slurry		
11/18/2011	21:23:10	53	3.5	9.05	282.3	34	Reset Total, Vol = 255.23 bbl		
11/18/2011	21:23:51	-8	0.0	9.06	283.0	0			
11/18/2011	21:24:29	-7	0.0	9.05	283.0	0	Reset Total, Vol = 0.57 bbl		
11/18/2011	22:33:51	-3	0.0	8.41	316.8	0			
11/18/2011	22:35:31	-3	0.0	8.41	316.8	0			
11/18/2011	22:37:11	-3	0.0	8.41	0.0	0			
11/18/2011	22:38:51	-3	0.0	8.41	0.0	0			
11/18/2011	22:40:00	11	0.0	8.39	1.0	0	Rig Up Lines		
11/18/2011	22:40:01	11	0.0	8.39	1.0	0	0.5 bbls Water Ahead		
11/18/2011	22:40:31	1692	0.0	8.39	1.0	0			
11/18/2011	22:40:37	1687	0.0	8.39	1.0	0	Pressure Test Lines		
11/18/2011	22:40:38	1685	0.0	8.39	1.0	0	Pressure Test = Good		
11/18/2011	22:41:50	3120	0.0	8.40	1.0	0	Pressure Test Lines		
11/18/2011	22:41:52	3118	0.0	8.40	1.0	0	3000 psi Pressure Test		

Well			Field		Job Start		Customer		Job Number
SGU 8508B-22			Story Gulch Unit		Nov/18/2011		EnCana		BQMF-00454
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
11/18/2011	22:42:11	3106	0.0	8.40	1.0	0			
11/18/2011	22:42:25	3099	0.0	8.40	1.0	0	Reset Total, Vol = 0.98 bbl		
11/18/2011	22:43:51	8	0.0	8.39	0.0	0			
11/18/2011	22:43:55	7	0.0	8.39	0.0	0	Start Pumping Spacer		
11/18/2011	22:43:56	8	0.0	8.39	0.0	0	25 bbls MudPush II		
11/18/2011	22:45:31	12	0.0	8.40	0.0	0			
11/18/2011	22:47:11	84	2.7	9.95	0.8	26			
11/18/2011	22:48:51	57	3.7	9.98	6.2	26			
11/18/2011	22:50:31	53	3.7	10.02	12.4	25			
11/18/2011	22:52:11	52	3.8	9.98	18.7	16			
11/18/2011	22:53:51	53	2.9	11.09	25.4	37			
11/18/2011	22:55:31	113	4.0	11.85	30.5	45			
11/18/2011	22:57:11	323	6.4	12.13	38.6	46			
11/18/2011	22:58:51	312	6.9	12.32	49.3	47			
11/18/2011	22:59:57	238	4.5	12.39	54.4	47	80.5 ppg Lead 2 Cement		
11/18/2011	23:00:31	304	6.4	12.45	57.8	48			
11/18/2011	23:00:39	267	6.3	12.46	58.6	48	End Spacer		
11/18/2011	23:02:11	299	6.4	12.53	68.4	49			
11/18/2011	23:03:51	329	6.4	12.58	79.1	49			
11/18/2011	23:05:31	277	6.4	12.56	89.8	48			
11/18/2011	23:07:11	84	3.2	12.60	98.8	48			
11/18/2011	23:08:51	78	3.2	12.54	104.1	44			
11/18/2011	23:10:03	74	3.1	12.41	107.9	28	Reset Total, Vol = 108.24 bbl		
11/18/2011	23:10:14	62	3.0	11.97	108.4	27	1.5 bbls MudPush II		
11/18/2011	23:10:31	49	2.9	9.74	109.2	31			
11/18/2011	23:12:11	1	0.0	9.73	109.6	0			
11/18/2011	23:13:51	1	0.0	9.28	109.6	0			
11/18/2011	23:15:31	54	2.4	8.70	110.2	44			
11/18/2011	23:17:11	190	5.0	8.46	115.8	44			
11/18/2011	23:18:51	175	5.0	8.66	124.1	23			
11/18/2011	23:20:31	64	14.3	2.30	131.8	5			
11/18/2011	23:22:11	146	3.7	8.02	139.0	27			
11/18/2011	23:23:51	2	0.0	8.36	141.4	0			
11/18/2011	23:25:31	-6	0.0	8.36	141.4	0			
11/18/2011	23:27:11	7	0.1	8.37	141.4	0			
11/18/2011	23:28:51	-4	0.1	8.37	141.5	0			
11/18/2011	23:30:31	-2	0.1	8.38	141.6	0			
11/18/2011	23:32:11	-7	0.1	8.38	141.7	0			
11/18/2011	23:33:51	225	5.7	8.43	147.6	0			
11/18/2011	23:35:31	409	7.7	8.50	159.2	0			
11/18/2011	23:37:11	104	4.0	8.38	169.7	0			
11/18/2011	23:38:51	113	4.0	8.52	175.3	0			
11/18/2011	23:40:31	13	0.4	25.00	180.6	0			
11/18/2011	23:42:11	-8	0.0	8.38	181.4	0			
11/18/2011	23:43:51	-8	0.0	8.49	181.6	0			
11/18/2011	23:45:31	-8	0.0	8.46	181.6	0			
11/18/2011	23:47:11	-8	0.0	8.46	181.6	0			
11/18/2011	23:48:51	-7	0.0	8.45	181.7	0			
11/18/2011	23:50:31	-7	0.0	8.46	181.7	0			
11/18/2011	23:52:11	-7	0.0	8.46	181.8	0			
11/18/2011	23:53:51	-7	0.0	8.46	181.9	0			
11/18/2011	23:55:31	-7	0.0	8.46	181.9	0			
11/18/2011	23:57:11	-7	0.0	8.46	182.0	0			
11/18/2011	23:58:51	-7	0.0	8.47	182.0	0			

Well			Field		Job Start		Customer		Job Number
SGU 8508B-22			Story Gulch Unit		Nov/18/2011		EnCana		BQMF-00454
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
11/19/2011	00:02:11	-7	0.0	8.47	182.2	0			
11/19/2011	00:03:51	-7	0.0	8.47	182.2	0			
11/19/2011	00:05:05	15	0.6	8.39	0.9	0	1 bbl Water Spacer Ahead		
11/19/2011	00:05:31	-2	0.0	8.37	1.0	0			
11/19/2011	00:06:30	2037	0.0	8.38	1.0	0	Pressure Test Lines		
11/19/2011	00:06:31	2018	0.0	8.38	1.0	0	Pressure Test = Good		
11/19/2011	00:07:11	94	0.2	8.38	1.0	0			
11/19/2011	00:08:51	3092	0.0	8.50	2.2	0	Pressure Test Lines		
11/19/2011	00:08:53	3083	0.0	8.50	2.2	0	3000 psi Pressure Test		
11/19/2011	00:10:31	0	0.0	8.50	2.5	0			
11/19/2011	00:12:11	-6	0.0	8.50	0.0	0			
11/19/2011	00:13:51	-7	0.0	8.50	0.0	0			
11/19/2011	00:13:52	-7	0.0	8.50	0.0	0	Start Mixing Tail Slurry		
11/19/2011	00:13:55	-7	0.0	8.50	0.0	0	33 bbls Cement		
11/19/2011	00:15:31	87	3.7	13.45	4.6	42			
11/19/2011	00:15:39	88	3.7	13.68	5.1	43	Reset Total, Vol = 81.94 bbl		
11/19/2011	00:17:11	145	4.0	15.53	11.2	42			
11/19/2011	00:18:51	-3	0.0	15.15	15.1	0			
11/19/2011	00:20:31	186	3.7	15.96	17.4	45			
11/19/2011	00:22:11	175	4.0	15.58	24.2	20			
11/19/2011	00:23:51	96	3.1	15.78	29.6	46			
11/19/2011	00:25:31	97	3.1	15.87	34.8	49			
11/19/2011	00:27:11	93	3.1	15.70	40.0	36			
11/19/2011	00:28:00	93	3.1	15.74	42.6	62	End Tail Slurry		
11/19/2011	00:28:51	-3	0.0	15.78	44.2	0			
11/19/2011	00:30:31	-1	0.0	15.75	44.2	0			
11/19/2011	00:32:11	5	0.0	15.76	44.2	0			
11/19/2011	00:33:51	3	0.0	15.77	44.2	0			
11/19/2011	00:35:31	2	0.0	15.78	44.2	0			
11/19/2011	00:37:11	3	0.0	15.80	44.2	0			
11/19/2011	00:38:51	111	2.4	10.29	46.5	23			
11/19/2011	00:40:31	93	3.5	8.29	53.1	0			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2		
3.6			8.0		340.0	0.0	55.0			
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
3991	-1	212				bbl	lb/gal			
Avg. N2 Percent		Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume		
%		340.0 bbl		0.0 bbl	70 degF	<input checked="" type="checkbox"/>		40.0 bbl		
						Washed Thru Perfs		To		
						<input type="checkbox"/>		ft		
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost		Job Completed		
Robert Escojeda			Ryan Bowditch			<input type="checkbox"/>		<input checked="" type="checkbox"/>		
						-		-		