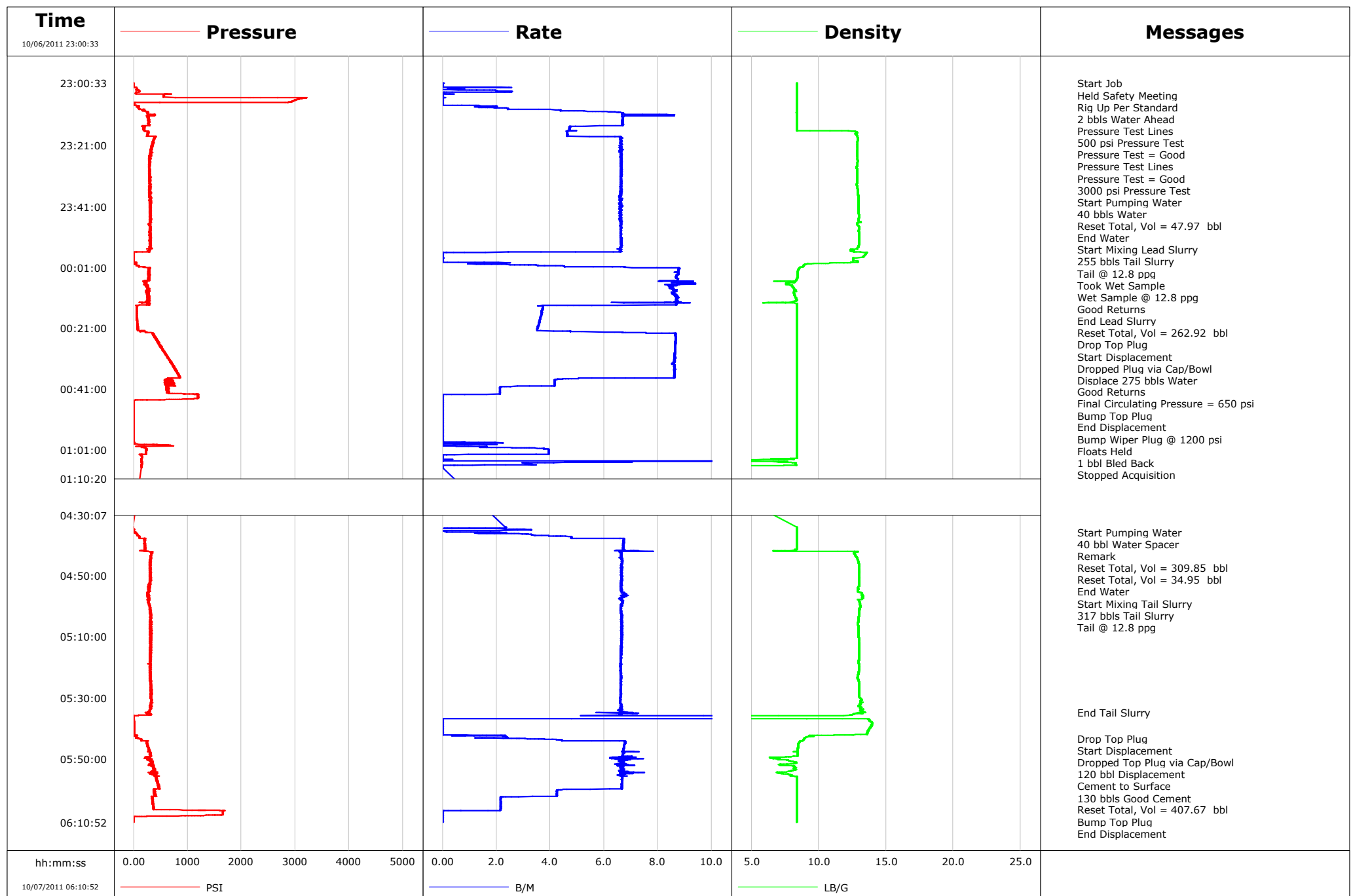


Well RGU 331-1-298
Field Ryan Gulch Unit
Engineer Ryan Bowditch
Country United States

Client Williams
SIR No. BUNM-00254
Job Type 9 5/8" 2-Stage Surface
Job Date 10-06-2011



Cementing Service Report

					Customer Williams			Job Number BUNM-00254	
Well RGU 331-1-298			Location (legal)			Schlumberger Location Grand Junction, CO		Job Start Oct/06/2011	
Field Ryan Gulch Unit		Formation Name/Type Shale		Deviation 0 deg		Bit Size 13.5 in		Well MD 3606.0 ft	
County Rio Blanco		State/Province Colorado		BHP psi		BHST 119 degF		BHCT 88 degF	
Well Master 0631318496		API/UWI						Pore Press. Gradient lb/gal	
Rig Name Cyclone 29		Drilled For Gas		Service Via Land		Casing/Liner			
						Depth, ft		Size, in	
						Weight, lb/ft		Grade	
Offshore Zone		Well Class New		Well Type Development		80.0		18.0	
						3606.0		9.6	
						94.0		36.0	
						J-55			
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
						T/D		Depth, ft	
						Size, in		Weight, lb/ft	
						Grade		Thread	
Service Line Cementing		Job Type 9 5/8" 2-Stage Surface							
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press 500 psi		WH Connection Single Cement head		Perforations/Open Hole			
						Top, ft		Bottom, ft	
						shot/ft		No. of Shots	
								Total Interval ft	
						ft		ft	
						ft		ft	
						Treat Down Casing		Displacement 275.0 bbl	
						Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 278.0 bbl	
						Annular Vol. 178.0 bbl		Openhole Vol. 501.0 bbl	
Service Instructions Cement 9 5/8" 2-Stage Surface with: 40 bbls Water 255 bbls 12.8 ppq Tail Slurry (834 sks) Displace 275 bbls Water 2nd Stage: 40 bbls Water 317 bbls 12.8 ppq Tail Slurry (1036 sks) Displace 120.5 bbls Water									
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job	
Lift Pressure 650 psi						Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 3606.0 ft		Tool Type	
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type DV		Tool Depth ft	
Cement Head Type Single						Stage Tool Depth 1559.0 ft		Tail Pipe Size in	
Job Scheduled For Oct/06/2011		Arrived on Location Oct/06/2011		Leave Location Oct/06/2011		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 3563.0 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		
10/06/2011	23:00:33	-5	0.0	8.37	0.0	0	Started Acquisition		
10/06/2011	23:00:35	-5	0.1	8.37	0.0	0	Held Safety Meeting		
10/06/2011	23:02:13	47	0.6	8.37	0.5	0			
10/06/2011	23:03:53	37	0.0	8.37	2.3	0			
10/06/2011	23:04:30	558	0.0	8.37	2.3	0	Pressure Test Lines		
10/06/2011	23:05:33	3151	0.0	8.37	2.3	0	Pressure Test Lines		
10/06/2011	23:05:44	3080	0.0	8.37	2.3	0	Pressure Test Lines		
10/06/2011	23:05:45	3075	0.0	8.37	2.3	0	Pressure Test = Good		
10/06/2011	23:07:13	9	0.0	8.37	2.3	0			
10/06/2011	23:08:53	97	2.4	8.37	4.0	0			
10/06/2011	23:09:03	102	2.4	8.37	4.4	0	Start Pumping Water		
10/06/2011	23:09:05	104	2.4	8.37	4.4	0	40 bbls Water		
10/06/2011	23:10:33	260	6.7	8.37	11.9	0			
10/06/2011	23:12:13	263	6.7	8.37	23.9	0			
10/06/2011	23:13:53	270	6.7	8.37	35.0	0			
10/06/2011	23:15:33	187	4.7	8.37	44.5	0			
10/06/2011	23:16:17	207	4.7	12.19	47.9	10	Reset Total, Vol = 47.97 bbl		
10/06/2011	23:16:18	200	4.7	12.19	48.0	11	End Water		
10/06/2011	23:17:05	272	4.6	12.79	51.6	17	Start Mixing Lead Slurry		
10/06/2011	23:17:07	271	4.6	12.78	51.8	18	255 bbls Tail Slurry		
10/06/2011	23:17:13	260	4.6	12.73	52.3	18			

Well RGU 331-1-298			Field Ryan Gulch Unit		Job Start Oct/06/2011		Customer Williams	Job Number BUNM-00254
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
10/06/2011	23:20:33	353	6.6	12.86	72.5	28		
10/06/2011	23:22:13	308	6.6	12.85	83.5	30		
10/06/2011	23:23:53	316	6.6	12.85	94.6	30		
10/06/2011	23:25:33	302	6.7	12.87	105.6	31		
10/06/2011	23:27:13	286	6.6	12.86	116.7	31		
10/06/2011	23:27:58	294	6.6	12.79	121.7	31	Took Wet Sample	
10/06/2011	23:28:53	295	6.6	12.82	127.7	32		
10/06/2011	23:30:33	283	6.6	12.83	138.8	32		
10/06/2011	23:32:13	295	6.6	12.84	149.9	31		
10/06/2011	23:33:53	300	6.6	12.80	160.9	31		
10/06/2011	23:35:33	283	6.6	12.89	171.9	32		
10/06/2011	23:37:13	291	6.6	12.91	183.0	31		
10/06/2011	23:38:53	306	6.6	12.94	194.0	31		
10/06/2011	23:40:33	303	6.6	12.93	205.0	32		
10/06/2011	23:42:13	296	6.6	12.93	216.0	32		
10/06/2011	23:43:53	306	6.6	12.96	227.0	32		
10/06/2011	23:45:33	307	6.6	12.93	238.0	30		
10/06/2011	23:47:13	309	6.6	12.87	249.1	32		
10/06/2011	23:48:03	310	6.6	13.02	254.6	33	Good Returns	
10/06/2011	23:48:53	317	6.6	12.97	260.1	33		
10/06/2011	23:50:33	303	6.6	13.02	271.1	32		
10/06/2011	23:52:13	296	6.6	13.01	282.2	32		
10/06/2011	23:53:53	304	6.7	12.96	293.3	33		
10/06/2011	23:54:08	314	6.6	12.93	294.9	32	End Lead Slurry	
10/06/2011	23:55:33	288	6.6	12.33	304.3	30		
10/06/2011	23:57:13	-4	0.0	13.36	307.9	0		
10/06/2011	23:58:53	-2	0.0	12.53	307.9	0		
10/07/2011	00:00:33	52	3.6	8.85	310.6	11		
10/07/2011	00:00:37	90	4.4	8.85	310.9	10	Reset Total, Vol = 262.92 bbl	
10/07/2011	00:00:41	89	4.5	8.86	311.2	10	Drop Top Plug	
10/07/2011	00:00:42	89	4.5	8.85	311.2	10	Start Displacement	
10/07/2011	00:00:50	94	4.5	8.82	311.8	17	Dropped Plug via Cap/Bowl	
10/07/2011	00:00:51	94	4.5	8.81	311.9	20	Displace 275 bbls Water	
10/07/2011	00:02:13	274	8.7	8.44	323.1	12		
10/07/2011	00:03:53	294	8.7	8.40	337.6	4		
10/07/2011	00:05:33	221	8.2	8.10	352.1	7		
10/07/2011	00:07:13	230	8.4	8.04	366.8	10		
10/07/2011	00:08:53	275	8.7	8.29	381.1	7		
10/07/2011	00:10:33	278	8.7	8.23	395.4	5		
10/07/2011	00:12:13	260	8.7	8.21	409.9	4		
10/07/2011	00:13:53	51	3.7	8.37	422.5	0		
10/07/2011	00:15:33	52	3.7	8.37	428.6	0		
10/07/2011	00:17:13	54	3.6	8.38	434.7	0		
10/07/2011	00:18:53	63	3.6	8.38	440.8	0		
10/07/2011	00:20:33	66	3.5	8.37	446.7	0		
10/07/2011	00:22:13	116	4.7	8.38	452.9	0		
10/07/2011	00:23:53	392	8.6	8.38	466.4	0		
10/07/2011	00:25:33	452	8.6	8.37	480.8	0		
10/07/2011	00:27:13	504	8.6	8.38	495.2	0		
10/07/2011	00:28:53	562	8.6	8.37	509.6	0		
10/07/2011	00:30:33	623	8.6	8.37	524.0	0		
10/07/2011	00:32:13	680	8.6	8.37	538.3	0		
10/07/2011	00:33:53	744	8.6	8.37	552.7	0		
10/07/2011	00:35:33	803	8.6	8.37	567.0	0		

Well RGU 331-1-298			Field Ryan Gulch Unit		Job Start Oct/06/2011		Customer Williams	Job Number BUNM-00254
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
10/07/2011	00:38:53	622	4.2	8.37	589.6	0		
10/07/2011	00:40:33	636	2.1	8.37	595.7	0		
10/07/2011	00:41:48	656	2.1	8.37	598.4	0	Good Returns	
10/07/2011	00:41:49	638	2.1	8.37	598.4	0	Final Circulating Pressure = 650 psi	
10/07/2011	00:42:13	619	2.1	8.37	599.2	0		
10/07/2011	00:42:43	1201	2.1	8.37	600.3	0	Bump Top Plug	
10/07/2011	00:42:44	1127	1.6	8.37	600.3	0	End Displacement	
10/07/2011	00:42:46	1188	0.8	8.37	600.4	0	Bump Wiper Plug @ 1200 psi	
10/07/2011	00:43:53	1190	0.0	8.37	600.4	0		
10/07/2011	00:45:33	-7	0.0	8.37	600.4	0	Floats Held	
10/07/2011	00:45:34	-7	0.0	8.37	600.4	0	1 bbl Bled Back	
10/07/2011	00:47:13	-6	0.0	8.37	600.4	0		
10/07/2011	00:48:53	-6	0.0	8.38	600.4	0		
10/07/2011	00:50:33	-6	0.0	8.37	600.4	0		
10/07/2011	00:52:13	-5	0.0	8.38	600.4	0		
10/07/2011	00:53:53	-5	0.0	8.37	600.4	0		
10/07/2011	00:55:33	-5	0.0	8.37	600.4	0		
10/07/2011	00:57:13	-4	0.0	8.37	600.4	0		
10/07/2011	00:58:53	7	0.0	8.37	600.8	0		
10/07/2011	01:00:33	225	3.8	8.38	603.0	0		
10/07/2011	01:02:13	225	3.9	8.38	609.5	0		
10/07/2011	01:03:53	146	0.0	6.60	610.8	0		
10/07/2011	01:05:33	148	3.2	8.26	616.0	0		
10/07/2011	04:35:33	-1	0.1	8.37	3.9	0		
10/07/2011	04:35:42	9	0.7	8.37	3.9	0	Start Pumping Water	
10/07/2011	04:35:45	17	1.8	8.37	4.0	0	40 bbl Water Spacer	
10/07/2011	04:36:11	42	1.9	8.37	4.9	0	Reset Total, Vol = 309.85 bbl	
10/07/2011	04:37:13	100	4.8	8.37	8.5	0		
10/07/2011	04:38:53	203	6.7	8.37	18.5	0		
10/07/2011	04:40:33	198	6.7	8.37	29.7	0		
10/07/2011	04:42:02	219	6.9	11.43	39.7	21	Reset Total, Vol = 34.95 bbl	
10/07/2011	04:42:13	341	6.6	12.84	40.9	22		
10/07/2011	04:43:53	320	6.6	12.79	52.0	29		
10/07/2011	04:44:27	306	6.7	12.86	55.8	30	End Water	
10/07/2011	04:44:32	313	6.7	12.87	56.3	30	Start Mixing Tail Slurry	
10/07/2011	04:44:34	304	6.7	12.87	56.5	30	317 bbls Tail Slurry	
10/07/2011	04:44:35	305	6.7	12.88	56.6	30	Tail @ 12.8 ppg	
10/07/2011	04:45:33	302	6.7	12.93	63.1	31		
10/07/2011	04:47:13	301	6.6	12.98	74.2	31		
10/07/2011	04:48:53	299	6.6	12.99	85.2	32		
10/07/2011	04:50:33	311	6.6	12.99	96.3	33		
10/07/2011	04:52:13	291	6.6	12.99	107.4	33		
10/07/2011	04:53:53	295	6.6	12.91	118.4	32		
10/07/2011	04:55:33	262	6.7	13.11	129.5	41		
10/07/2011	04:57:13	288	6.7	13.22	140.7	39		
10/07/2011	04:58:53	276	6.7	13.06	151.8	36		
10/07/2011	05:00:33	304	6.6	13.04	162.9	33		
10/07/2011	05:02:13	316	6.6	12.99	173.9	30		
10/07/2011	05:03:53	306	6.7	12.95	185.0	25		
10/07/2011	05:05:33	320	6.6	12.91	196.1	37		
10/07/2011	05:07:13	322	6.6	12.93	207.2	38		
10/07/2011	05:08:53	316	6.6	12.95	218.3	37		
10/07/2011	05:10:33	312	6.7	12.97	229.3	36		
10/07/2011	05:12:13	319	6.6	12.99	240.4	36		

Well			Field		Job Start		Customer		Job Number	
RGU 331-1-298			Ryan Gulch Unit		Oct/06/2011		Williams		BUNM-00254	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message			
10/07/2011	05:15:33	310	6.6	13.00	262.5	35				
10/07/2011	05:17:13	303	6.6	13.01	273.6	35				
10/07/2011	05:18:53	303	6.6	12.97	284.6	35				
10/07/2011	05:20:33	299	6.6	12.97	295.6	33				
10/07/2011	05:22:13	297	6.6	12.94	306.7	31				
10/07/2011	05:23:53	316	6.6	12.91	317.7	30				
10/07/2011	05:25:33	318	6.6	12.99	328.7	30				
10/07/2011	05:27:13	320	6.6	13.01	339.8	30				
10/07/2011	05:28:53	335	6.6	13.01	350.8	30				
10/07/2011	05:30:33	320	6.6	13.16	361.8	32				
10/07/2011	05:32:13	306	6.6	13.10	372.8	33				
10/07/2011	05:33:53	303	6.6	13.28	383.9	40				
10/07/2011	05:34:49	261	6.8	13.38	390.0	62	End Tail Slurry			
10/07/2011	05:35:33	311	6.6	12.36	395.0	53				
10/07/2011	05:37:13	2	0.0	13.74	422.1	0				
10/07/2011	05:38:53	6	0.0	13.90	422.1	0				
10/07/2011	05:40:33	6	0.0	13.72	422.1	0				
10/07/2011	05:42:13	15	0.0	12.52	422.1	70				
10/07/2011	05:43:20	88	2.8	8.93	424.1	71	Drop Top Plug			
10/07/2011	05:43:21	94	2.8	8.93	424.2	71	Start Displacement			
10/07/2011	05:43:23	88	2.8	8.91	424.3	71	Dropped Top Plug via Cap/Bowl			
10/07/2011	05:43:53	148	4.4	8.85	426.1	72				
10/07/2011	05:44:34	236	6.8	8.56	430.1	43	130 bbls Good Cement			
10/07/2011	05:45:33	250	6.7	8.46	436.7	14				
10/07/2011	05:47:08	291	6.7	8.40	447.4	10	Reset Total, Vol = 407.67 bbl			
10/07/2011	05:47:13	290	6.7	8.41	448.0	10				
10/07/2011	05:48:53	310	6.7	8.42	459.2	5				
10/07/2011	05:50:33	266	6.9	7.61	470.4	14				
10/07/2011	05:52:13	322	6.7	7.19	481.6	12				
10/07/2011	05:53:53	368	6.6	8.03	492.7	11				
10/07/2011	05:55:33	397	6.5	7.98	503.9	17				
10/07/2011	05:57:13	430	6.7	8.38	515.0	0				
10/07/2011	05:58:53	448	6.7	8.38	526.1	0				
10/07/2011	06:00:33	380	4.2	8.38	536.0	0				
10/07/2011	06:02:13	408	4.2	8.38	543.1	0				
10/07/2011	06:03:53	342	2.2	8.38	547.1	0				
10/07/2011	06:05:33	354	2.2	8.38	550.7	0				
10/07/2011	06:07:05	1675	0.1	8.38	554.0	0	Bump Top Plug			
10/07/2011	06:07:06	1665	0.0	8.38	554.0	0	End Displacement			
10/07/2011	06:07:13	1661	0.0	8.38	554.0	0				
10/07/2011	06:08:53	405	0.0	8.38	554.0	0				
10/07/2011	06:09:10	-5	0.0	8.38	554.0	0	Final Circulating Pressure = 400 psi			
10/07/2011	06:09:11	-5	0.0	8.38	554.0	0	1 bbl Bled Back			
10/07/2011	06:10:24	-3	0.0	8.38	554.0	0	130 bbls Good Cement to Surfae			

Well RGU 331-1-298	Field Ryan Gulch Unit	Job Start Oct/06/2011	Customer Williams	Job Number BUNM-00254
------------------------------	---------------------------------	---------------------------------	-----------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 6.2	N2		Mud	Maximum Rate 8.0	Total Slurry 569.0	Mud 0.0		Spacer 40.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 3220	Final -3	Average 338	Bump Plug to 1200	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 569.0 bbl		Displacement 275.0 bbl		Mix Water Temp 55 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 130.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Andrew Bunk				Schlumberger Supervisor Ryan Bowditch				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-