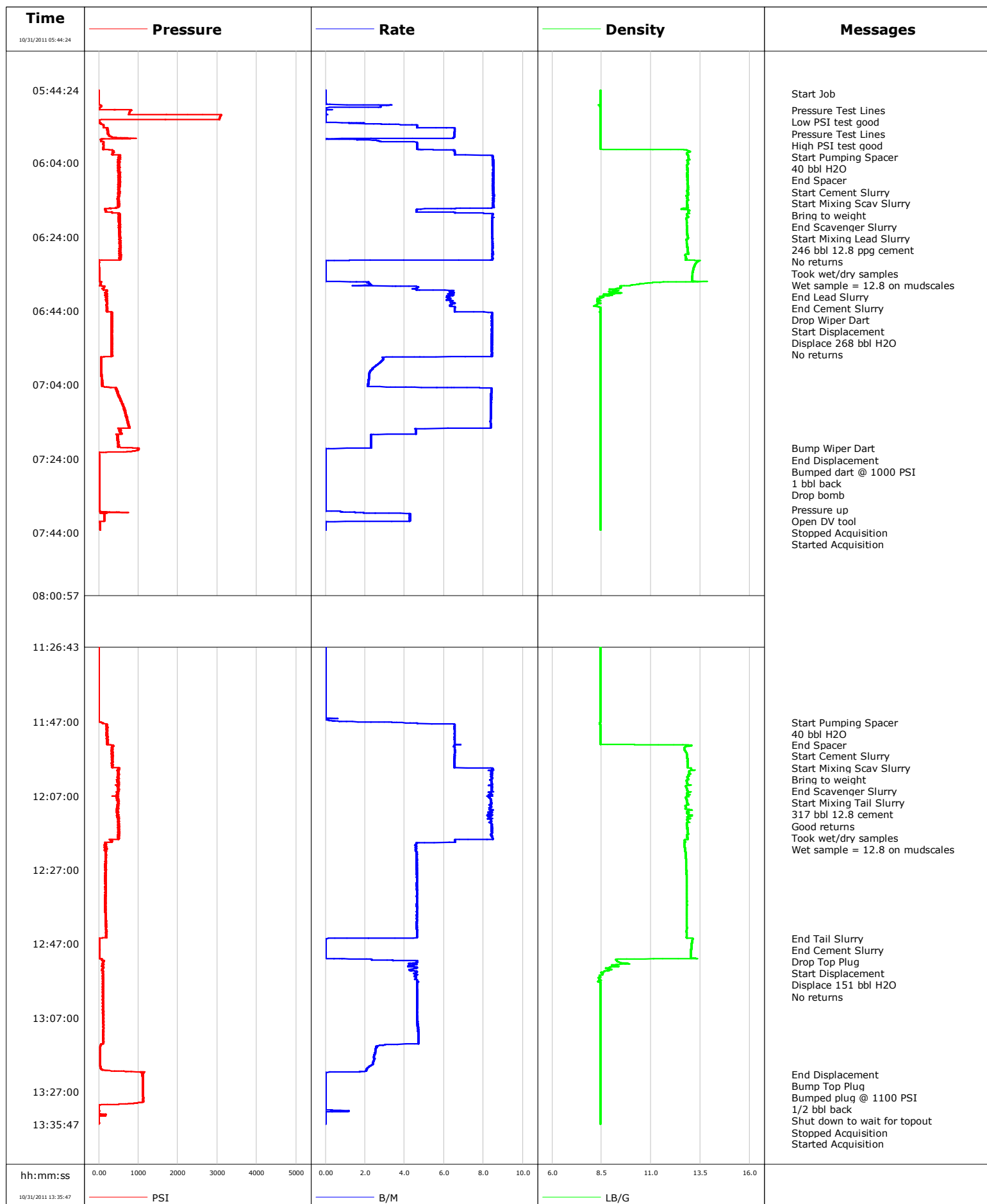


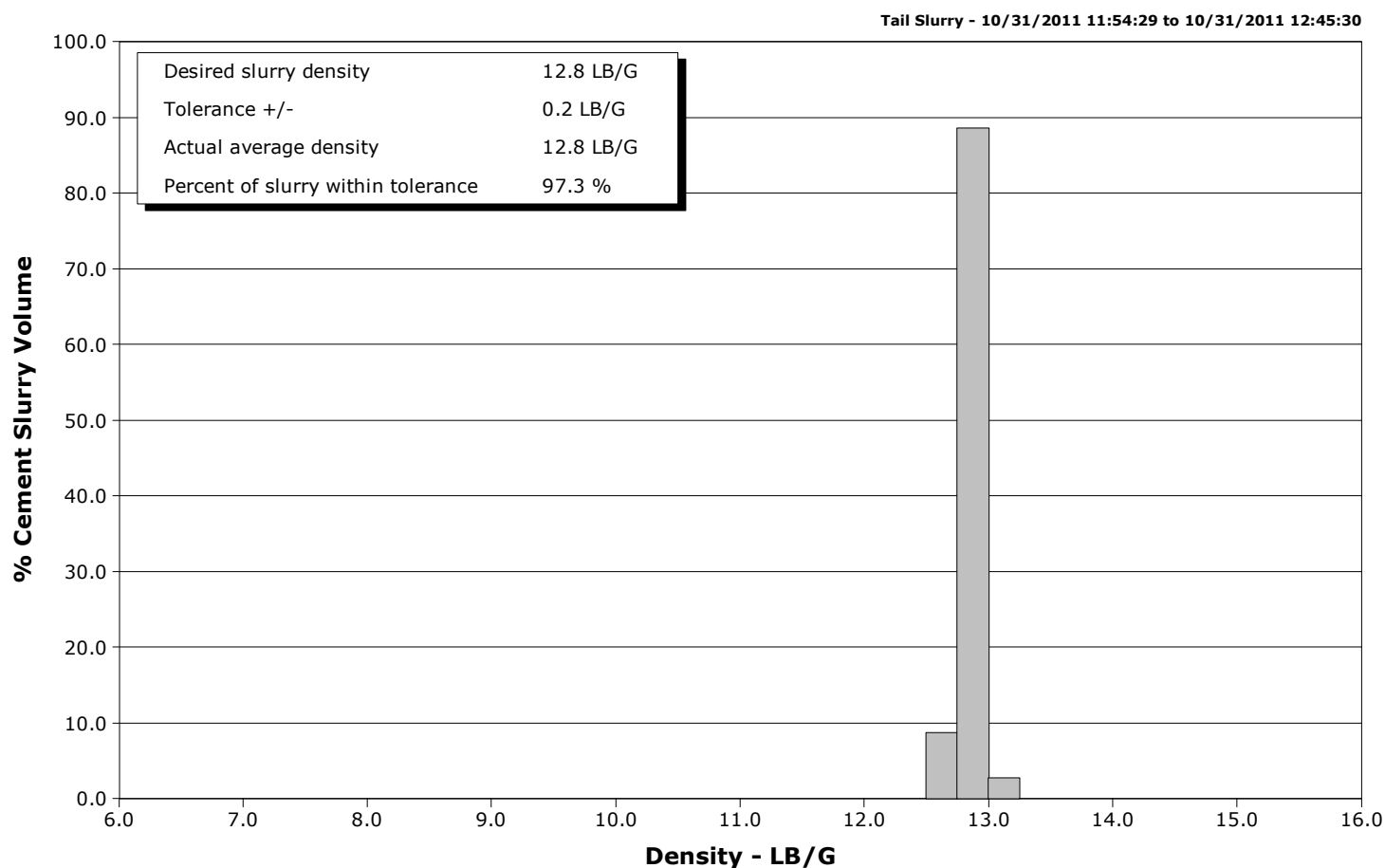
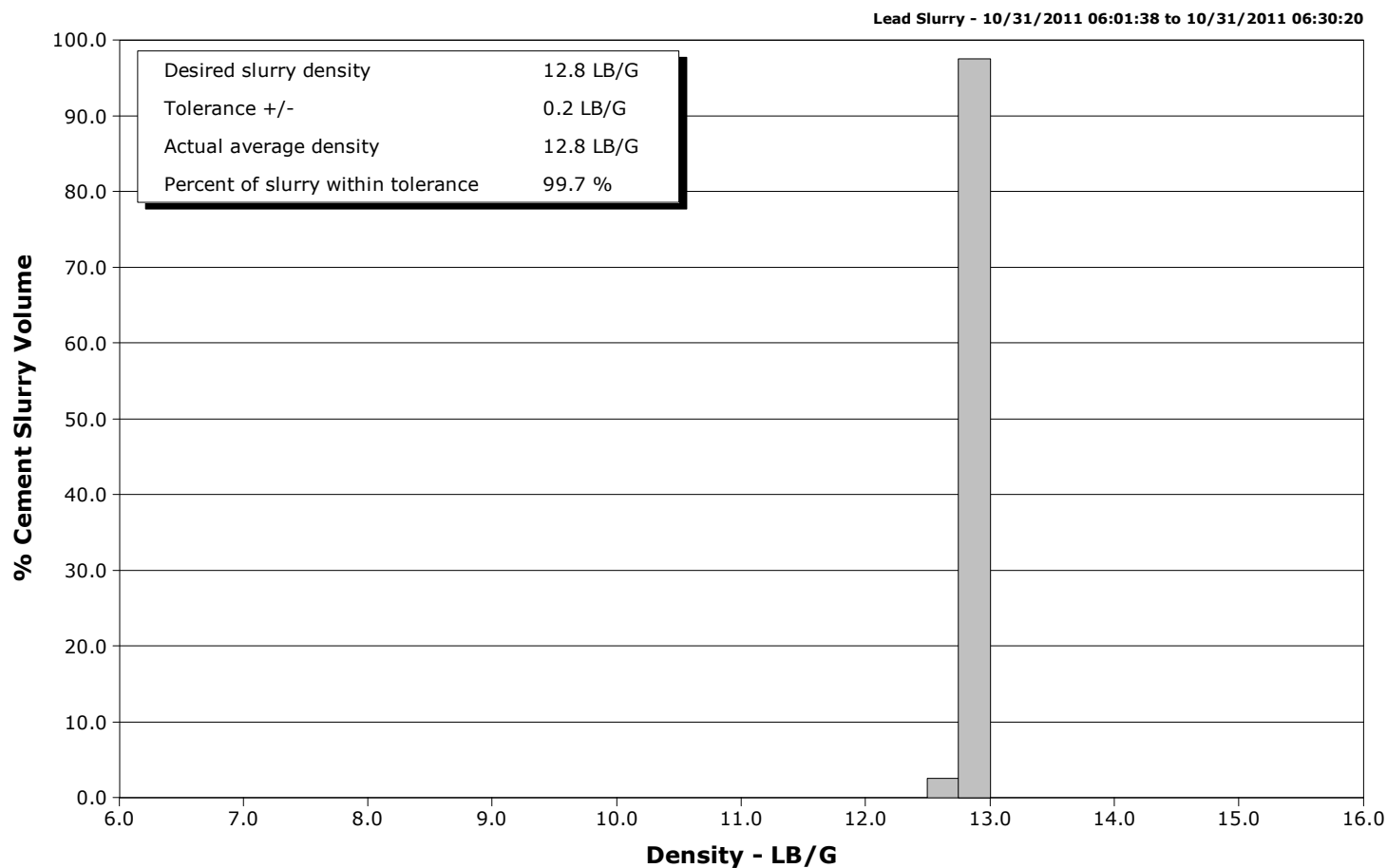
Well	RGU 441-1-298	Client	Willilams
Field	Ryan Gulch	SIR No.	BUNM-00257
Engineer	Matt Fair/Jordan Moreland	Job Type	(5/8" 2 Stage Surface
Country	United States	Job Date	10-31-2011



Schlumberger Cementing Qa/Qc Density Report

Well RGU 441-1-298
Field Ryan Gulch
Engineer Matt Fair/Jordan Moreland
Country United States

Client Willilams
SIR No. BUNM-00257
Job Type (5/8" 2 Stage Surface
Job Date 10-31-2011





Cementing Service Report

				Customer Williams		Job Number BUNM-00257		
Well RGU 441-1-298			Location (legal)		Schlumberger Location		Job Start Oct/31/2011	
Field Ryan Gulch		Formation Name/Type Shale		Deviation	Bit Size 14.8 in	Well MD 3511.0 ft		Well TVD 3511.0 ft
County Rio Blanco		State/Province Colorado		BHP	BHST 119 degF	BHCT 87 degF	Pore Press. Gradient	
Well Master 0631318499		API/UWI						
Rig Name Cyclone 29	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	80.0	18.000	94.0	N/A	N/A	
			3511.0	9.630	36.0	J55	8RD	
Drilling Fluid Type Bentonite		Max. Density	Plastic Viscosity	Tubing/Drill Pipe				
				Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing	Job Type (5/8" 2 Stage Surface							
Max. Allowed Tub. Press 2030 psi	Max. Allowed Ann. Press 3520 psi	WH Connection 9 5/8	Perforations/Open Hole					
			Top,	Bottom,			No. of Shots	Total Interval
Service Instructions Cement 2 stage surface casing Stage 1-804 sks/246 bbl Stage 2-1036 sks/317 bbl Yield = 1.72							Diameter	
			Treat Down Casing		Displacement 268.0 bbl		Packer Type	
Tubing Vol.		Casing Vol. 26271.0 bbl		Annular Vol. 189.0 bbl		Openhole Vol. 562.0 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 1737 psi			Shoe Type Guide			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3511.0 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type DV		Tool Depth		
Cement Head Type Single			Stage Tool Depth 1952.0 ft		Tail Pipe Size			
Job Scheduled For Oct/31/2011 01:00		Arrived on Location Oct/31/2011 01:00	Leave Location Nov/02/2011 02:00	Collar Type Float		Tail Pipe Depth		
				Collar Depth 3468.0 ft		Sqz. Total Vol.		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/31/2011	03:57:40					Started Acquisition		
10/31/2011	03:57:42					Rig up per STD 5		
10/31/2011	03:57:42					Safety meeting		
10/31/2011	05:44:24	-7	0.0	8.43	0.0			
10/31/2011	05:45:12					Start Job		
10/31/2011	05:45:12	-7	0.0	8.43	0.0			
10/31/2011	05:46:00	-7	0.0	8.43	0.0			
10/31/2011	05:47:40	-10	0.0	8.43	0.0			
10/31/2011	05:49:20	4	0.0	8.43	2.2			
10/31/2011	05:49:49					Pressure Test Lines		
10/31/2011	05:49:49	822	0.0	8.43	2.2			
10/31/2011	05:49:50					Low PSI test good		
10/31/2011	05:49:50	822	0.0	8.43	2.2			
10/31/2011	05:51:00	1715	0.0	8.43	2.2			
10/31/2011	05:51:51					Pressure Test Lines		
10/31/2011	05:51:51	3056	0.0	8.43	2.2			
10/31/2011	05:51:53					High PSI test good		
10/31/2011	05:51:53	3056	0.0	8.43	2.2			
10/31/2011	05:52:40	5	0.0	8.43	2.2			
10/31/2011	05:53:55					Start Pumping Spacer		
10/31/2011	05:53:55	114	4.6	8.43	4.4			

Well			Field		Job Start	Customer		Job Number
RGU 441-1-298			Ryan Gulch		Oct/31/2011	Willilams		BUNM-00257
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/31/2011	05:53:56	113	4.6	8.43	4.4			
10/31/2011	05:54:20	112	4.6	8.43	6.3			
10/31/2011	05:56:00	221	6.5	8.43	16.7			
10/31/2011	05:57:40	96	0.0	8.43	26.3			
10/31/2011	05:59:20	121	4.6	8.43	32.4			
10/31/2011	06:00:37					End Spacer		
10/31/2011	06:00:37	336	6.5	12.80	38.5			
10/31/2011	06:00:38					Start Cement Slurry		
10/31/2011	06:00:38	336	6.5	12.81	38.6			
10/31/2011	06:00:39					Start Mixing Scav Slurry		
10/31/2011	06:00:39	339	6.5	12.82	38.7			
10/31/2011	06:01:00	378	6.5	12.97	41.0			
10/31/2011	06:01:01					Bring to weight		
10/31/2011	06:01:01	378	6.5	12.98	41.1			
10/31/2011	06:01:37					End Scavenger Slurry		
10/31/2011	06:01:37	351	6.5	12.83	45.0			
10/31/2011	06:01:38					Start Mixing Lead Slurry		
10/31/2011	06:01:38	337	6.5	12.83	45.1			
10/31/2011	06:01:39					246 bbl 12.8 ppg cement		
10/31/2011	06:01:39	337	6.5	12.83	45.2			
10/31/2011	06:02:40	516	8.5	12.89	53.2			
10/31/2011	06:04:20	498	8.5	12.87	67.3			
10/31/2011	06:06:00	498	8.5	12.83	81.5			
10/31/2011	06:07:40	506	8.5	12.83	95.6			
10/31/2011	06:09:20	491	8.5	12.85	109.8			
10/31/2011	06:11:00	495	8.5	12.87	123.9			
10/31/2011	06:12:40	515	8.5	12.87	138.0			
10/31/2011	06:14:20	501	8.5	12.82	152.2			
10/31/2011	06:16:00	502	8.5	12.81	166.3			
10/31/2011	06:17:40	502	7.3	12.91	176.2			
10/31/2011	06:17:47					No returns		
10/31/2011	06:17:47	514	8.5	12.89	177.2			
10/31/2011	06:17:54					Took wet/dry samples		
10/31/2011	06:17:54	536	8.5	12.81	178.2			
10/31/2011	06:17:56					Wet sample = 12.8 on mudscales		
10/31/2011	06:17:56	526	8.5	12.81	178.5			
10/31/2011	06:19:20	504	8.4	12.78	190.3			
10/31/2011	06:21:00	508	8.4	12.82	204.3			
10/31/2011	06:22:40	514	8.4	12.82	218.4			
10/31/2011	06:24:20	524	8.4	12.87	232.4			
10/31/2011	06:26:00	536	8.5	12.81	246.5			
10/31/2011	06:27:40	534	8.4	12.85	260.6			
10/31/2011	06:29:20	542	8.4	12.76	274.7			
10/31/2011	06:30:20					End Lead Slurry		
10/31/2011	06:30:20	11	6.8	12.76	283.1			
10/31/2011	06:30:22					End Cement Slurry		
10/31/2011	06:30:22	2	2.3	12.98	283.2			
10/31/2011	06:31:00	0	0.0	13.30	283.3			
10/31/2011	06:32:40	0	0.0	13.15	283.3			
10/31/2011	06:34:20	7	0.0	13.09	283.3			
10/31/2011	06:34:36					Drop Wiper Dart		
10/31/2011	06:34:36	8	0.0	13.09	283.3			
10/31/2011	06:35:37					Start Displacement		
10/31/2011	06:35:37	9	0.0	13.07	283.3			

Well			Field		Job Start	Customer	Job Number
RGU 441-1-298			Ryan Gulch		Oct/31/2011	Willilams	BUNM-00257
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
10/31/2011	06:37:12					Displace 268 bbl H2O	
10/31/2011	06:37:12	25	2.0	9.98	285.6		
10/31/2011	06:37:40	126	4.7	9.47	287.3		
10/31/2011	06:39:20	191	6.4	9.43	296.4		
10/31/2011	06:41:00	194	6.2	8.39	306.9		
10/31/2011	06:42:40	193	6.3	8.14	317.5		
10/31/2011	06:43:43					No returns	
10/31/2011	06:43:43	195	6.5	8.43	324.3		
10/31/2011	06:44:20	207	6.5	8.42	328.3		
10/31/2011	06:46:00	335	8.4	8.43	342.2		
10/31/2011	06:47:40	340	8.4	8.43	356.3		
10/31/2011	06:49:20	319	8.4	8.43	370.3		
10/31/2011	06:51:00	322	8.4	8.43	384.3		
10/31/2011	06:52:40	323	8.4	8.43	398.4		
10/31/2011	06:54:20	321	8.4	8.43	412.4		
10/31/2011	06:56:00	327	8.4	8.43	426.4		
10/31/2011	06:57:40	52	2.8	8.43	433.9		
10/31/2011	06:59:20	51	2.5	8.43	438.4		
10/31/2011	07:01:00	61	2.2	8.43	442.2		
10/31/2011	07:02:40	81	2.2	8.43	445.9		
10/31/2011	07:04:20	79	2.1	8.43	449.5		
10/31/2011	07:06:00	472	8.4	8.44	460.9		
10/31/2011	07:07:40	531	8.4	8.43	474.9		
10/31/2011	07:09:20	603	8.4	8.43	488.9		
10/31/2011	07:11:00	654	8.4	8.43	502.8		
10/31/2011	07:12:40	710	8.4	8.44	516.8		
10/31/2011	07:14:20	743	8.3	8.44	530.7		
10/31/2011	07:16:00	529	4.6	8.44	544.1		
10/31/2011	07:17:40	466	2.3	8.44	551.2		
10/31/2011	07:19:20	497	2.3	8.43	555.0		
10/31/2011	07:21:00	616	2.3	8.44	558.8		
10/31/2011	07:21:13					Bump Wiper Dart	
10/31/2011	07:21:13	978	2.0	8.44	559.3		
10/31/2011	07:21:14					End Displacement	
10/31/2011	07:21:14	1028	1.1	8.44	559.3		
10/31/2011	07:21:15					Bumped dart @ 1000 PSI	
10/31/2011	07:21:15	1027	0.4	8.44	559.3		
10/31/2011	07:22:40	0	0.0	8.44	559.4		
10/31/2011	07:23:53					1 bbl back	
10/31/2011	07:23:53	4	0.0	8.44	559.4		
10/31/2011	07:24:20	5	0.0	8.44	559.4		
10/31/2011	07:26:00	9	0.0	8.44	559.4		
10/31/2011	07:27:02					Drop bomb	
10/31/2011	07:27:02	9	0.0	8.44	559.4		
10/31/2011	07:27:40	10	0.0	8.44	559.4		
10/31/2011	07:29:20	11	0.0	8.44	559.4		
10/31/2011	07:31:00	10	0.0	8.44	559.5		
10/31/2011	07:32:40	11	0.0	8.44	559.5		
10/31/2011	07:34:20	11	0.0	8.44	559.5		
10/31/2011	07:36:00	11	0.0	8.44	559.5		
10/31/2011	07:37:40	11	0.0	8.44	559.5		
10/31/2011	07:37:44					Pressure up	
10/31/2011	07:37:44	12	0.0	8.44	559.5		
10/31/2011	07:37:53					Open DV tool	

Well			Field		Job Start		Customer		Job Number	
RGU 441-1-298			Ryan Gulch		Oct/31/2011		Williams		BUNM-00257	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/31/2011	07:39:20	139	4.3	8.44	562.6					
10/31/2011	07:41:00	24	2.2	8.44	569.7					
10/31/2011	07:42:40	28	0.0	8.44	569.8					
10/31/2011	11:26:00	-8	0.0	8.43	569.8					
10/31/2011	11:27:40	-7	0.0	8.44	569.8					
10/31/2011	11:29:20	-8	0.0	8.44	569.8					
10/31/2011	11:31:00	-8	0.0	8.43	569.8					
10/31/2011	11:32:40	-8	0.0	8.43	569.9					
10/31/2011	11:34:20	-8	0.0	8.44	569.9					
10/31/2011	11:36:00	-8	0.0	8.43	569.9					
10/31/2011	11:37:40	-9	0.0	8.43	569.9					
10/31/2011	11:39:20	-8	0.0	8.43	569.9					
10/31/2011	11:41:00	-8	0.0	8.43	569.9					
10/31/2011	11:42:40	-8	0.0	8.43	570.0					
10/31/2011	11:44:20	-8	0.0	8.43	570.0					
10/31/2011	11:46:00	-7	0.0	8.43	570.0					
10/31/2011	11:47:02					Start Pumping Spacer				
10/31/2011	11:47:02	18	1.6	8.44	570.3					
10/31/2011	11:47:03					40 bbl H2O				
10/31/2011	11:47:03	23	2.0	8.44	570.3					
10/31/2011	11:47:40	208	6.5	8.42	573.0					
10/31/2011	11:49:20	194	6.5	8.43	583.8					
10/31/2011	11:51:00	215	6.5	8.43	594.7					
10/31/2011	11:52:40	205	6.5	8.43	605.6					
10/31/2011	11:53:09					End Spacer				
10/31/2011	11:53:09	216	6.6	8.44	608.8					
10/31/2011	11:53:10					Start Cement Slurry				
10/31/2011	11:53:10	206	6.8	8.80	608.9					
10/31/2011	11:53:12					Start Mixing Scav Slurry				
10/31/2011	11:53:12	209	6.9	10.19	609.1					
10/31/2011	11:53:13					Bring to weight				
10/31/2011	11:53:13	209	6.8	11.38	609.2					
10/31/2011	11:54:20	334	6.5	12.69	616.5					
10/31/2011	11:54:28					End Scavenger Slurry				
10/31/2011	11:54:28	333	6.5	12.71	617.4					
10/31/2011	11:54:29					Start Mixing Tail Slurry				
10/31/2011	11:54:29	327	6.5	12.71	617.5					
10/31/2011	11:54:30					317 bbl 12.8 cement				
10/31/2011	11:54:30	335	6.5	12.71	617.6					
10/31/2011	11:56:00	333	6.5	12.83	627.4					
10/31/2011	11:57:40	347	6.5	12.85	638.3					
10/31/2011	11:58:54					Good returns				
10/31/2011	11:58:54	350	6.5	12.86	646.3					
10/31/2011	11:59:04					Took wet/dry samples				
10/31/2011	11:59:04					Wet sample = 12.8 on mudscales				
10/31/2011	11:59:04	333	6.5	12.84	647.4					
10/31/2011	11:59:20	338	6.5	12.86	649.1					
10/31/2011	12:01:00	485	8.4	12.93	662.8					
10/31/2011	12:02:40	450	8.4	12.87	676.9					
10/31/2011	12:04:20	480	8.4	12.76	690.8					
10/31/2011	12:06:00	447	8.4	13.03	704.8					
10/31/2011	12:07:40	484	8.3	12.78	718.7					
10/31/2011	12:09:20	490	8.4	12.86	732.6					
10/31/2011	12:11:00	452	8.4	12.92	746.6					

Well			Field		Job Start	Customer		Job Number
RGU 441-1-298			Ryan Gulch		Oct/31/2011	Willilams		BUNM-00257
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/31/2011	12:14:20	483	8.4	12.82	774.3			
10/31/2011	12:16:00	489	8.4	12.83	788.3			
10/31/2011	12:17:40	493	8.4	12.81	802.3			
10/31/2011	12:19:20	321	6.5	12.71	815.4			
10/31/2011	12:21:00	138	4.5	12.71	823.7			
10/31/2011	12:22:40	164	4.6	12.75	831.4			
10/31/2011	12:24:20	182	4.6	12.77	839.1			
10/31/2011	12:26:00	165	4.6	12.78	846.7			
10/31/2011	12:27:40	166	4.6	12.79	854.4			
10/31/2011	12:29:20	179	4.6	12.80	862.1			
10/31/2011	12:31:00	172	4.6	12.80	869.8			
10/31/2011	12:32:40	174	4.6	12.80	877.5			
10/31/2011	12:34:20	175	4.6	12.80	885.2			
10/31/2011	12:36:00	152	4.6	12.81	892.9			
10/31/2011	12:37:40	163	4.6	12.81	900.6			
10/31/2011	12:39:20	162	4.6	12.80	908.4			
10/31/2011	12:41:00	179	4.6	12.81	916.1			
10/31/2011	12:42:40	180	4.6	12.81	923.7			
10/31/2011	12:44:20	190	4.6	12.80	931.4			
10/31/2011	12:45:30					End Tail Slurry		
10/31/2011	12:45:30	12	3.5	12.80	936.8			
10/31/2011	12:45:31					End Cement Slurry		
10/31/2011	12:45:31	-2	2.2	12.85	936.9			
10/31/2011	12:46:00	3	0.0	13.10	937.0			
10/31/2011	12:47:40	2	0.0	13.04	937.0			
10/31/2011	12:49:20	12	0.0	13.03	937.0			
10/31/2011	12:49:44					Drop Top Plug		
10/31/2011	12:49:44	11	0.0	13.02	937.0			
10/31/2011	12:49:45					Start Displacement		
10/31/2011	12:49:45	11	0.0	13.02	937.0			
10/31/2011	12:51:00	24	0.4	13.33	937.0			
10/31/2011	12:52:25					Displace 151 bbl H2O		
10/31/2011	12:52:25	96	4.2	9.86	942.1			
10/31/2011	12:52:35					No returns		
10/31/2011	12:52:35	112	4.6	9.28	942.9			
10/31/2011	12:52:40	118	4.6	9.24	943.2			
10/31/2011	12:54:20	92	4.4	8.81	950.6			
10/31/2011	12:56:00	100	4.6	8.41	958.2			
10/31/2011	12:57:40	97	4.6	8.44	965.9			
10/31/2011	12:59:20	100	4.6	8.44	973.6			
10/31/2011	13:01:00	101	4.6	8.44	981.3			
10/31/2011	13:02:40	102	4.6	8.44	989.1			
10/31/2011	13:04:20	102	4.6	8.44	996.8			
10/31/2011	13:06:00	117	4.6	8.44	1004.5			
10/31/2011	13:07:40	102	4.6	8.44	1012.3			
10/31/2011	13:09:20	106	4.7	8.44	1020.0			
10/31/2011	13:11:00	110	4.7	8.44	1027.8			
10/31/2011	13:12:40	116	4.7	8.44	1035.6			
10/31/2011	13:14:20	51	3.0	8.44	1043.2			
10/31/2011	13:16:00	35	2.5	8.44	1047.5			
10/31/2011	13:17:40	34	2.5	8.44	1051.7			
10/31/2011	13:19:20	35	2.4	8.44	1055.7			
10/31/2011	13:21:00	77	2.1	8.44	1059.4			
10/31/2011	13:22:14					End Displacement		

Well			Field		Job Start	Customer		Job Number
RGU 441-1-298			Ryan Gulch		Oct/31/2011	Willilams		BUNM-00257
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/31/2011	13:22:18					Bump Top Plug		
10/31/2011	13:22:18	1118	0.0	8.44	1060.9			
10/31/2011	13:22:26					Bumped plug @ 1100 PSI		
10/31/2011	13:22:26	1119	0.0	8.44	1060.9			
10/31/2011	13:22:40	1101	0.0	8.44	1060.9			
10/31/2011	13:24:20	1110	0.0	8.44	1060.9			
10/31/2011	13:26:00	1111	0.0	8.44	1060.9			
10/31/2011	13:27:40	1114	0.0	8.44	1060.9			
10/31/2011	13:29:20	1116	0.0	8.44	1061.0			
10/31/2011	13:30:58					1/2 bbl back		
10/31/2011	13:30:58	-4	0.0	8.44	1061.0			
10/31/2011	13:31:00	-3	0.0	8.44	1061.0			
10/31/2011	13:31:05					Shut down to wait for topout		
10/31/2011	13:31:05	-4	0.0	8.44	1061.0			
10/31/2011	13:32:40	-2	0.0	8.44	1061.4			
10/31/2011	13:34:20	-2	0.0	8.44	1061.4			
10/31/2011	13:35:49					Stopped Acquisition		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 4.4	N2	Mud 0.0	Maximum Rate 8.5		Total Slurry 563.0	Mud 0.0	Spacer 80.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 1174	Final -1	Average 314	Bump Plug to 1300	Breakdown	Type		Volume	Density
Avg. N2 Percent		Designed Slurry Volume 563.0 bbl		Displacement 268.0 bbl	Mix Water Temp 63 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume
						Washed Thru Perfs <input type="checkbox"/>		To
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
Andrew Brunk				Matt Fair/Jordan Moreland		-		-



Service Order #:	
Date:	Oct/31/2011
Operating Time:	0.0
Client Rep:	Willilams
Schlumberger Engineer:	Matt Fair/Jordan Moreland
Schlumberger FSM:	

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

4	Evaluation					
4a	Main job objective achieved with no consequential non-productive time	10	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>		10
					Sub-total	100%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: