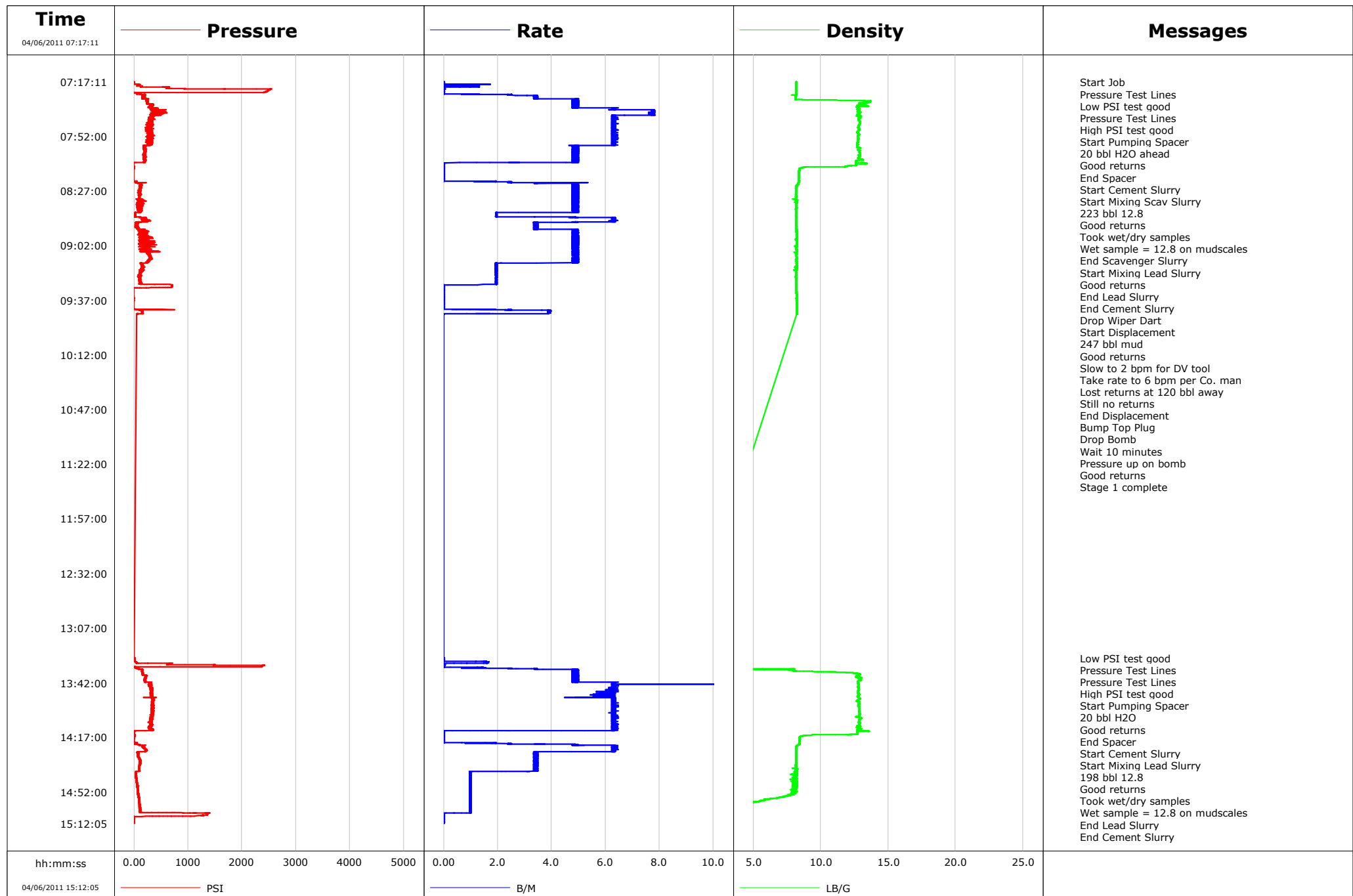


Well RG 513-14-298
Field Ryan Gulch
Engineer Matthew Fair
Country United States

Client Williams
SIR No. BQIT-00003
Job Type 2 Stage Surface
Job Date 04-06-2011



				Customer Williams			Job Number BQIT-00003										
Well RG 513-14-298			Location (legal)			Schlumberger Location			Job Start Apr/06/2011								
Field Ryan Gulch			Formation Name/Type Shale			Deviation deg		Bit Size 13.5 in		Well MD 3245.0 ft		Well TVD 3245.0 ft					
County Rio Blanco			State/Province Colorado			BHP psi		BHST 112 degF		BHCT 86 degF		Pore Press. Gradient lb/gal					
Well Master 0631265328			API/UWI														
Rig Name Frontier 10		Drilled For Gas		Service Via Land		Casing/Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class New		Well Type Exploration		3245.0		9.6		36.0		J55		BUTT			
						0.0		0.0		0.0							
Drilling Fluid Type Bentonite			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 2 Stage Surface															
Max. Allowed Tub. Press 2030 psi		Max. Allowed Ann. Press 3520 psi		WH Connection 9 5/8		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
Service Instructions Stage 1 - 216 bbl 12.8 ppg (707 sks) Stage 2 - 206 bbl 12.8 ppg (674 sks)						ft		ft						Diameter in			
						ft		ft									
						ft		ft									
						Treat Down Casing		Displacement 247.0 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. 251.0 bbl		Annular Vol. 209.0 bbl		Openhole Vol. 507.0 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 1606 psi						Shoe Type Float				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 3245.0 ft				Tool Type							
No. Centralizers 11		Top Plugs 1		Bottom Plugs 0		Stage Tool Type DV				Tool Depth ft							
Cement Head Type Single						Stage Tool Depth 1299.0 ft				Tail Pipe Size in							
Job Scheduled For Apr/06/2011 05:00		Arrived on Location Apr/06/2011 05:00		Leave Location Apr/06/2011 16:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 3199.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
04/06/2011	07:17:11	-9	0.0	8.19	0.0	Started Acquisition											
04/06/2011	07:17:13	-9	0.0	8.19	0.0	Start Job											
04/06/2011	07:18:51	70	1.7	8.19	0.5												
04/06/2011	07:20:31	533	0.6	8.19	1.8												
04/06/2011	07:20:32	533	0.6	8.19	1.8	Pressure Test Lines											
04/06/2011	07:20:33	597	0.2	8.19	1.8	Low PSI test good											
04/06/2011	07:21:34	686	0.0	8.19	1.8	Pressure Test Lines											
04/06/2011	07:21:35	686	0.0	8.19	1.8	High PSI test good											
04/06/2011	07:22:11	2500	0.0	8.19	1.8												
04/06/2011	07:23:51	2417	0.0	8.19	1.8												
04/06/2011	07:24:41	54	0.0	8.19	1.8	Start Pumping Spacer											
04/06/2011	07:25:31	193	2.4	8.19	2.8												
04/06/2011	07:27:11	184	3.5	8.14	8.2												
04/06/2011	07:28:42	232	4.9	9.33	14.2	20 bbl H2O ahead											
04/06/2011	07:28:51	257	4.9	10.64	14.9												
04/06/2011	07:29:27	227	4.8	13.68	17.8	Good returns											
04/06/2011	07:30:31	241	5.0	13.52	23.0												
04/06/2011	07:31:18	270	4.9	13.23	26.9	End Spacer											
04/06/2011	07:31:19	240	5.0	13.23	27.0	Start Cement Slurry											
04/06/2011	07:31:21	276	5.0	13.18	27.1	Start Mixing Scav Slurry											
04/06/2011	07:31:23	252	4.9	13.14	27.3	223 bbl 12.8											

Well			Field	Job Start		Customer	Job Number
RG 513-14-298			Ryan Gulch	Apr/06/2011		Williams	BQIT-00003
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/06/2011	07:33:10	310	5.0	12.64	36.1	Took wet/dry samples	
04/06/2011	07:33:11	310	4.9	12.64	36.1	Wet sample = 12.8 on mudscales	
04/06/2011	07:33:51	299	4.8	12.74	39.4		
04/06/2011	07:34:04	343	6.4	12.76	40.7	End Scavenger Slurry	
04/06/2011	07:34:06	427	6.2	12.77	41.0	Start Mixing Lead Slurry	
04/06/2011	07:35:31	458	7.7	12.86	50.5		
04/06/2011	07:37:11	439	7.7	12.81	63.4		
04/06/2011	07:38:51	351	6.4	12.66	75.8		
04/06/2011	07:40:31	304	6.4	12.85	86.3		
04/06/2011	07:42:11	330	6.2	12.85	96.9		
04/06/2011	07:43:51	312	6.4	12.90	107.4		
04/06/2011	07:45:31	334	6.4	12.80	117.9		
04/06/2011	07:47:11	293	6.4	12.85	128.4		
04/06/2011	07:48:51	285	6.4	12.75	138.9		
04/06/2011	07:50:31	306	6.4	12.79	149.4		
04/06/2011	07:50:45	266	6.4	12.82	150.9	Good returns	
04/06/2011	07:52:11	255	6.2	12.76	159.9		
04/06/2011	07:53:51	324	6.4	12.77	170.4		
04/06/2011	07:55:31	266	6.4	12.76	181.0		
04/06/2011	07:57:11	262	6.2	12.73	191.5		
04/06/2011	07:58:51	203	4.9	12.72	200.6		
04/06/2011	08:00:31	193	5.0	12.77	208.8		
04/06/2011	08:02:11	205	5.0	12.85	216.9		
04/06/2011	08:03:51	186	4.8	12.89	225.1		
04/06/2011	08:05:31	182	4.9	12.81	233.2		
04/06/2011	08:07:11	205	4.8	13.13	241.4		
04/06/2011	08:08:51	189	4.5	12.61	249.5		
04/06/2011	08:09:02	-8	0.0	13.29	249.8	End Lead Slurry	
04/06/2011	08:09:03	-8	0.0	13.29	249.8	End Cement Slurry	
04/06/2011	08:09:10	-9	0.0	13.32	249.8	Drop Wiper Dart	
04/06/2011	08:09:14	-9	0.0	13.34	249.8	Start Displacement	
04/06/2011	08:10:31	-17	0.0	12.62	249.8		
04/06/2011	08:12:11	-3	0.0	8.66	249.8		
04/06/2011	08:13:51	-14	0.0	8.40	249.8		
04/06/2011	08:15:31	-13	0.0	8.38	249.8		
04/06/2011	08:17:11	-13	0.0	8.38	249.8		
04/06/2011	08:18:51	-13	0.0	8.38	249.8		
04/06/2011	08:22:11	104	4.8	8.31	253.1		
04/06/2011	08:23:51	101	4.9	8.20	261.2		
04/06/2011	08:24:40	117	5.0	8.18	265.2	247 bbl mud	
04/06/2011	08:24:43	120	5.0	8.18	265.4	Good returns	
04/06/2011	08:25:31	112	4.9	8.17	269.4		
04/06/2011	08:27:11	119	4.8	8.17	277.5		
04/06/2011	08:28:51	101	4.9	8.17	285.7		
04/06/2011	08:30:31	97	4.9	8.17	293.8		
04/06/2011	08:32:11	122	5.0	8.19	302.0		
04/06/2011	08:33:51	109	4.9	8.17	310.2		
04/06/2011	08:35:31	113	4.9	8.20	318.3		
04/06/2011	08:37:11	136	4.9	8.20	326.5		
04/06/2011	08:38:51	108	4.9	8.20	334.6		
04/06/2011	08:40:31	107	4.9	8.20	342.8		
04/06/2011	08:41:10	23	2.0	8.20	345.2	Slow to 2 bpm for DV tool	
04/06/2011	08:42:11	19	1.9	8.20	347.1		
04/06/2011	08:43:48	18	2.0	8.20	350.3	Take rate to 6 bpm per Co. man	

Well			Field		Job Start		Customer		Job Number	
RG 513-14-298			Ryan Gulch		Apr/06/2011		Williams		BQIT-00003	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
04/06/2011	08:45:31	176	6.2	8.20	360.7					
04/06/2011	08:47:11	35	3.5	8.20	370.6					
04/06/2011	08:48:51	49	3.5	8.20	376.3					
04/06/2011	08:50:31	62	3.3	8.20	382.0					
04/06/2011	08:50:56	80	3.5	8.20	383.5	Lost returns at 120 bbl away				
04/06/2011	08:52:11	182	4.9	8.20	388.4					
04/06/2011	08:53:51	203	5.0	8.21	396.5					
04/06/2011	08:55:31	194	4.9	8.22	404.7					
04/06/2011	08:57:11	124	5.0	8.21	412.8					
04/06/2011	08:58:51	227	5.0	8.22	421.0					
04/06/2011	09:00:31	194	5.0	8.21	429.1					
04/06/2011	09:02:11	273	4.9	8.22	437.3					
04/06/2011	09:03:51	200	5.0	8.20	445.4					
04/06/2011	09:05:31	259	4.9	8.21	453.6					
04/06/2011	09:07:11	247	4.9	8.20	461.7					
04/06/2011	09:08:51	290	4.9	8.20	469.9					
04/06/2011	09:10:31	320	4.9	8.21	478.0					
04/06/2011	09:12:11	267	5.0	8.15	486.2					
04/06/2011	09:13:51	130	1.9	8.22	492.3					
04/06/2011	09:15:31	166	2.0	8.21	495.5					
04/06/2011	09:15:36	171	2.0	8.13	495.7	Still no returns				
04/06/2011	09:17:11	165	1.9	8.14	498.8					
04/06/2011	09:18:51	105	1.9	8.19	502.0					
04/06/2011	09:20:31	98	1.9	8.20	505.3					
04/06/2011	09:22:11	99	1.9	8.19	508.5					
04/06/2011	09:23:51	91	1.9	8.19	511.8					
04/06/2011	09:25:31	107	1.9	8.20	515.0					
04/06/2011	09:27:05	647	1.9	8.20	518.1	End Displacement				
04/06/2011	09:27:10	708	0.2	8.20	518.2	Bump Top Plug				
04/06/2011	09:27:11	708	0.2	8.20	518.2					
04/06/2011	09:27:20	694	0.0	8.20	518.2	Drop Bomb				
04/06/2011	09:28:51	573	0.0	8.20	518.2					
04/06/2011	09:30:31	-17	0.0	8.20	518.2					
04/06/2011	09:32:11	-17	0.0	8.20	518.2					
04/06/2011	09:33:51	-14	0.0	8.21	518.2					
04/06/2011	09:35:31	-9	0.0	8.20	518.2					
04/06/2011	09:36:51	-12	0.0	8.21	518.2	Wait 10 minutes				
04/06/2011	09:37:11	-12	0.0	8.21	518.2					
04/06/2011	09:38:51	-12	0.0	8.21	518.2					
04/06/2011	09:40:31	-11	0.0	8.21	518.2					
04/06/2011	09:42:11	-11	0.0	8.21	518.2					
04/06/2011	09:42:43	14	1.8	8.21	518.2	Pressure up on bomb				
04/06/2011	09:43:51	150	3.9	8.21	521.0					
04/06/2011	09:45:28	156	3.9	8.21	527.3	Good returns				
04/06/2011	09:45:31	149	3.9	8.21	527.5					
04/06/2011	09:45:46	51	1.7	8.21	528.3	Stage 1 complete				
04/06/2011	13:26:12	0	0.0	-0.00	528.4	Pressure Test Lines				
04/06/2011	13:27:11	0	0.0	-0.00	528.4					
04/06/2011	13:28:00	0	0.0	-0.00	528.4	Pressure Test Lines				
04/06/2011	13:28:14	1	0.0	-0.00	528.4	High PSI test good				
04/06/2011	13:28:51	44	1.6	-0.00	529.2					
04/06/2011	13:30:31	609	0.0	-0.00	530.5					
04/06/2011	13:32:11	13	0.0	-0.00	530.5					
04/06/2011	13:33:51	152	4.9	8.01	535.3					

Well			Field	Job Start		Customer	Job Number
RG 513-14-298			Ryan Gulch	Apr/06/2011		Williams	BQIT-00003
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/06/2011	13:37:00	161	4.9	12.84	550.7	Start Pumping Spacer	
04/06/2011	13:37:11	163	4.9	12.80	551.6		
04/06/2011	13:38:11	213	5.0	12.64	556.5	20 bbl H2O	
04/06/2011	13:38:51	203	4.9	12.95	559.8		
04/06/2011	13:39:00	216	4.9	12.99	560.5	Good returns	
04/06/2011	13:40:00	188	4.9	12.90	565.4	End Spacer	
04/06/2011	13:40:31	194	4.9	12.94	567.9		
04/06/2011	13:41:42	201	5.0	12.75	573.7	Start Cement Slurry	
04/06/2011	13:42:00	302	6.4	12.76	575.5	Start Mixing Lead Slurry	
04/06/2011	13:42:11	282	6.4	12.78	576.7		
04/06/2011	13:42:16	293	6.2	12.76	577.2	198 bbl 12.8	
04/06/2011	13:42:32	297	6.2	12.77	578.9	Good returns	
04/06/2011	13:43:00	304	6.4	12.79	581.8	Took wet/dry samples	
04/06/2011	13:43:21	301	6.4	12.80	584.8	Wet sample = 12.8 on mudscales	
04/06/2011	13:43:51	308	6.4	12.79	588.0		
04/06/2011	13:45:31	338	6.5	12.80	598.5		
04/06/2011	13:47:11	322	6.4	12.77	608.9		
04/06/2011	13:48:51	333	6.0	12.77	619.2		
04/06/2011	13:50:31	320	6.1	12.79	629.0		
04/06/2011	13:52:11	345	6.2	12.90	639.1		
04/06/2011	13:53:51	351	6.4	12.69	649.6		
04/06/2011	13:55:31	344	6.2	12.80	660.1		
04/06/2011	13:57:11	342	6.2	12.80	670.6		
04/06/2011	13:58:51	322	6.4	12.87	681.1		
04/06/2011	14:00:31	349	6.4	12.84	691.6		
04/06/2011	14:02:11	342	6.2	12.87	702.2		
04/06/2011	14:03:51	334	6.2	12.68	712.7		
04/06/2011	14:05:31	313	6.4	12.88	723.2		
04/06/2011	14:07:11	299	6.4	12.83	733.7		
04/06/2011	14:08:51	298	6.5	12.82	744.2		
04/06/2011	14:10:31	260	6.2	12.65	754.7		
04/06/2011	14:12:11	347	6.4	12.71	765.2		
04/06/2011	14:13:51	-6	0.0	12.71	768.9		
04/06/2011	14:15:00	-10	0.0	12.69	768.9	End Lead Slurry	
04/06/2011	14:15:31	1	0.0	9.40	768.9		
04/06/2011	14:15:41	1	0.0	9.04	768.9	End Cement Slurry	
04/06/2011	14:17:00	-9	0.0	8.42	768.9	Drop Top Plug	
04/06/2011	14:17:01	-9	0.0	8.42	768.9	Start Displacement	
04/06/2011	14:17:11	-9	0.0	8.42	768.9		
04/06/2011	14:18:00	-9	0.0	8.43	768.9	100 bbl H2O	
04/06/2011	14:18:51	-10	0.0	8.42	768.9		
04/06/2011	14:19:03	-10	0.0	8.42	768.9	Good returns	
04/06/2011	14:20:31	31	1.5	8.40	769.0		
04/06/2011	14:22:11	113	4.9	8.28	774.4		
04/06/2011	14:23:51	176	6.2	8.18	784.9		
04/06/2011	14:25:31	226	6.4	8.17	795.4		
04/06/2011	14:27:11	60	3.5	8.18	802.9		
04/06/2011	14:28:51	75	3.5	8.17	808.6		
04/06/2011	14:30:00	80	3.5	8.17	812.5	Lost returns	
04/06/2011	14:30:31	103	3.4	8.17	814.3		
04/06/2011	14:32:11	114	3.4	8.17	820.0		
04/06/2011	14:33:51	116	3.5	8.18	825.7		
04/06/2011	14:35:31	100	3.4	8.12	831.4		
04/06/2011	14:37:11	91	3.5	8.23	837.1		

Well			Field		Job Start	Customer		Job Number
RG 513-14-298			Ryan Gulch		Apr/06/2011	Williams		BQIT-00003
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/06/2011	14:40:31	34	1.0	7.94	844.3			
04/06/2011	14:42:11	37	1.0	8.01	845.9			
04/06/2011	14:43:51	39	1.0	7.88	847.5			
04/06/2011	14:45:31	44	1.0	7.90	849.1			
04/06/2011	14:47:11	49	1.0	8.20	850.8			
04/06/2011	14:48:51	56	1.0	8.18	852.4			
04/06/2011	14:50:31	63	1.0	8.06	854.0			
04/06/2011	14:52:11	69	1.0	8.12	855.6			
04/06/2011	14:53:51	77	1.0	7.90	857.3			
04/06/2011	14:55:31	84	1.0	6.92	858.9			
04/06/2011	14:57:11	92	1.0	5.82	860.5			
04/06/2011	14:58:51	98	1.0	4.98	862.2			
04/06/2011	15:00:31	105	1.0	3.49	863.8			
04/06/2011	15:01:00	98	1.0	3.06	864.2	End Displacement		
04/06/2011	15:02:11	111	1.0	1.54	865.4			
04/06/2011	15:03:51	120	1.0	0.20	867.0			
04/06/2011	15:05:31	1158	1.0	-0.00	868.7			
04/06/2011	15:07:11	1271	0.0	-0.00	868.8			
04/06/2011	15:08:00	-7	0.0	-0.00	868.8	Float held		
04/06/2011	15:08:05	-7	0.0	-0.00	868.8	1/2 bbl H2O back		
04/06/2011	15:08:51	-8	0.0	-0.00	868.8			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.3	N2	Mud	Maximum Rate 54.0		Total Slurry 868.8	Mud 0.0	Spacer 40.9	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 2535	Final -8	Average 228	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 369.1 bbl	Mix Water Temp 50 degF	Cement Circulated to Surface?		<input type="checkbox"/>	Volume bbl					
				Washed Thru Perfs		<input type="checkbox"/>	To ft					
Customer or Authorized Representative Kenny Bascom			Schlumberger Supervisor Matthew Fair			Circulation Lost <input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>				
						-	-					