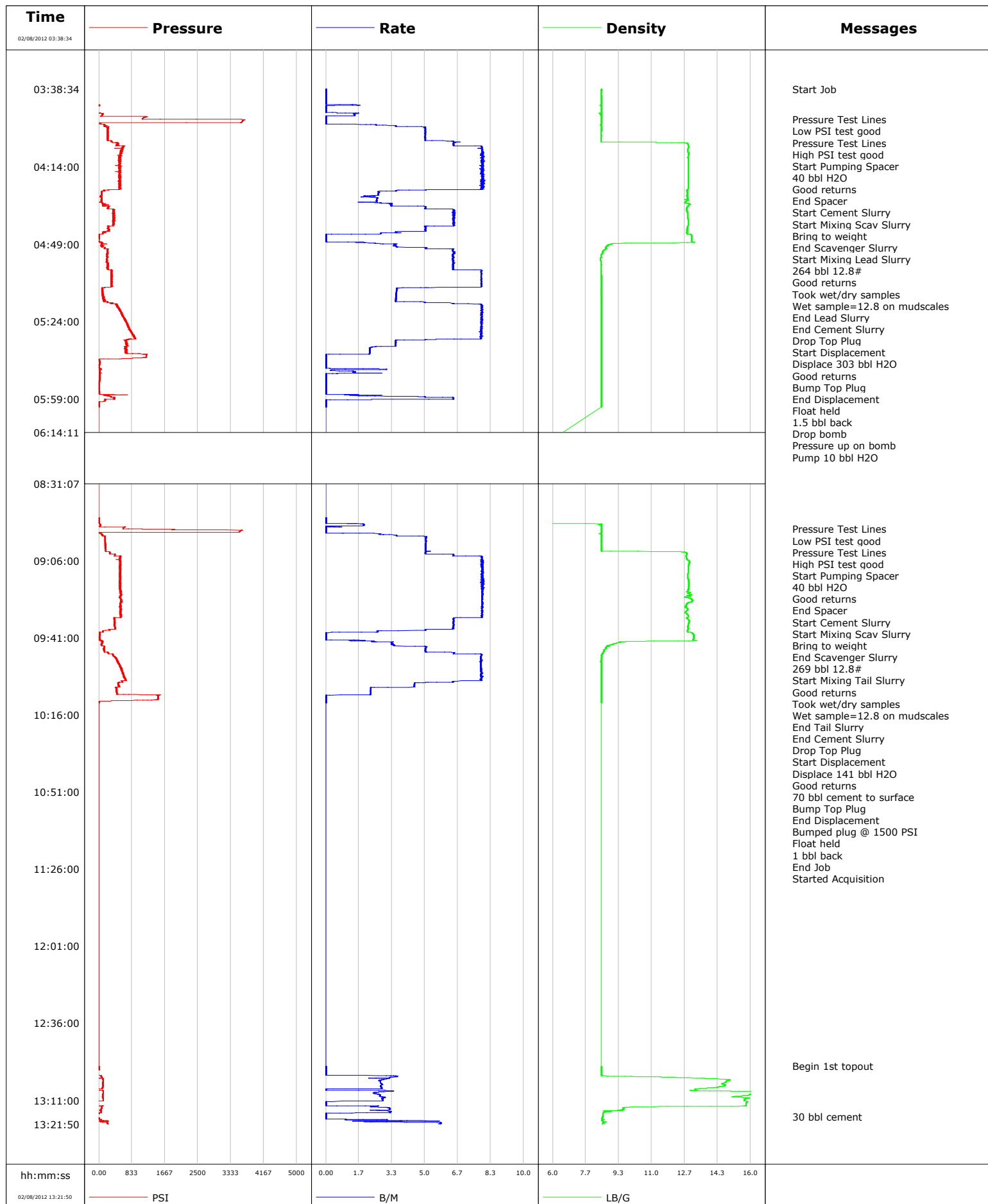
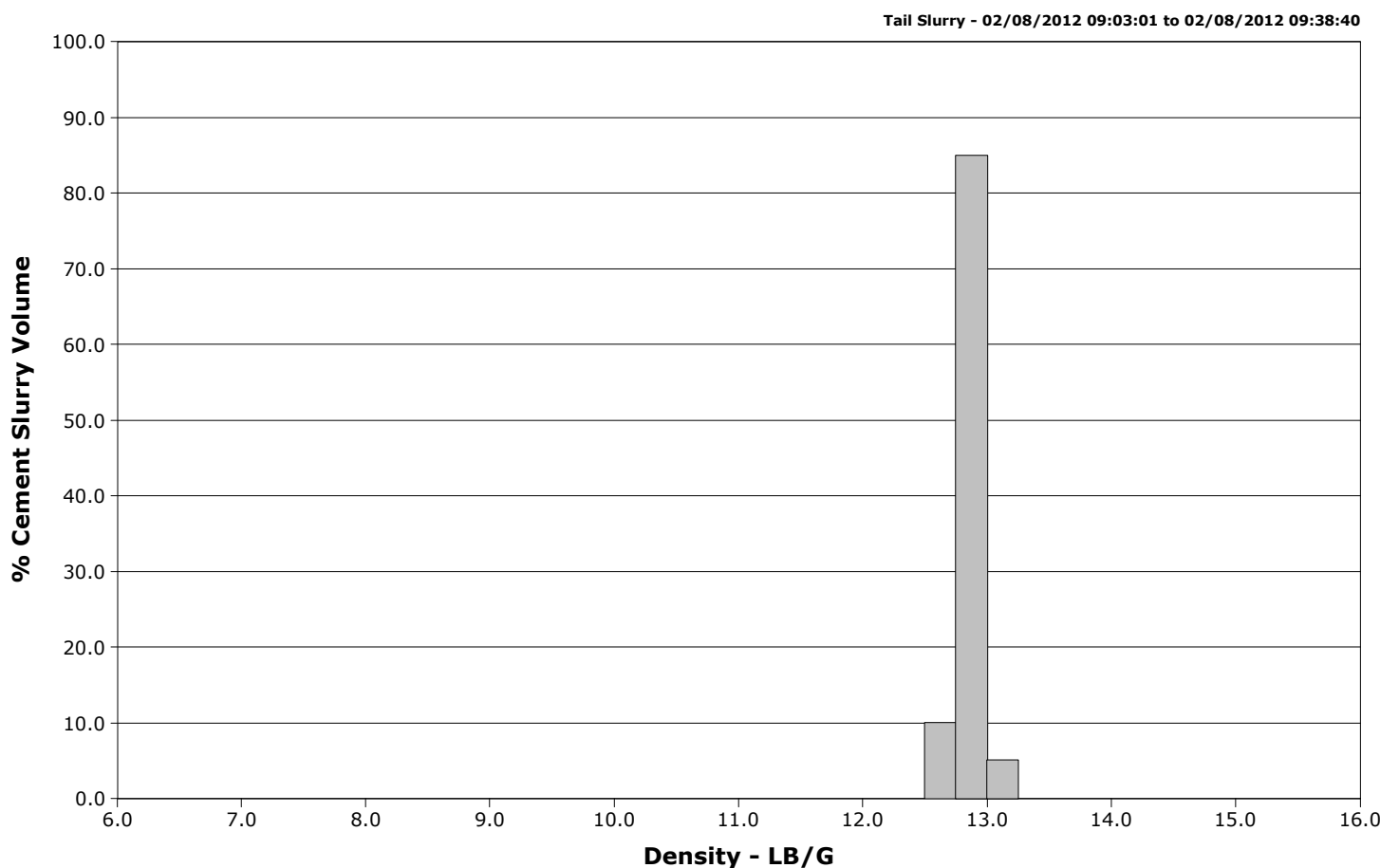
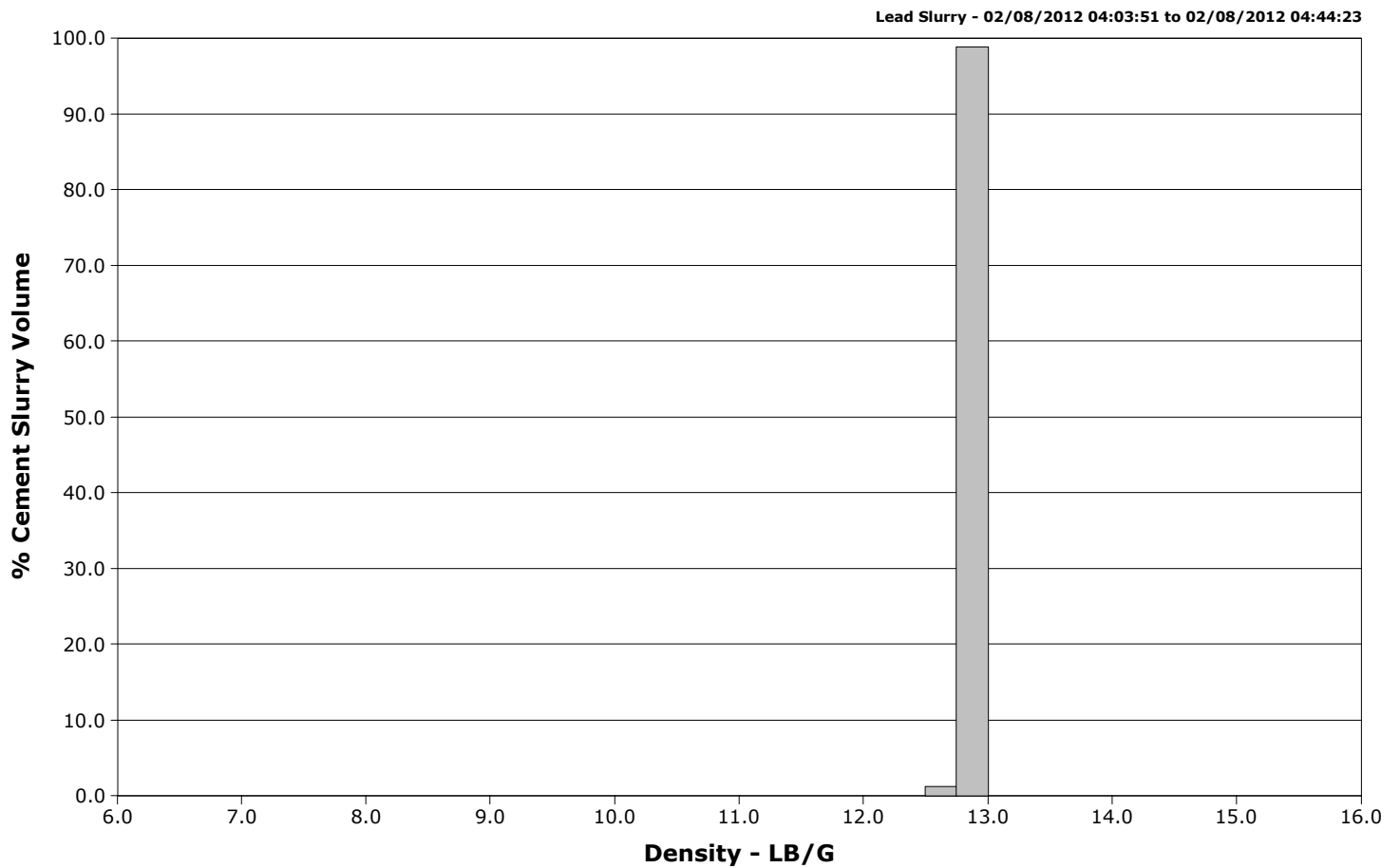


<b>Well</b>	RGU 42-25-198	<b>Client</b>	Williams
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	BQMF-00842
<b>Engineer</b>	Matt Fair/Charles Peavey	<b>Job Type</b>	2 Stage Surface
<b>Country</b>	United States	<b>Job Date</b>	02-08-2012



**Well** RGU 42-25-198  
**Field** Ryan Gulch  
**Engineer** Matt Fair/Charles Peavey  
**Country** United States

**Client** Williams  
**SIR No.** BQMF-00842  
**Job Type** 2 Stage Surface  
**Job Date** 02-08-2012



				Customer Williams			Job Number BQMF-00842										
Well RGU 42-25-198			Location (legal)			Schlumberger Location			Job Start Feb/08/2012								
Field Ryan Gulch		Formation Name/Type Shale			Deviation deg		Bit Size 13.5 in		Well MD 3961.0 ft		Well TVD 3961.0 ft						
County Rio Blanco		State/Province Colorado			BHP psi		BHST 123 degF		BHCT 90 degF		Pore Press. Gradient lb/gal						
Well Master 0631268141		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		18.0		94.0		N/A		N/A			
						3961.0		9.6		36.0		J55		8RD			
Drilling Fluid Type Bentonite		Max. Density 10.00 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 Single Cement head		Perforations/Open Hole										
							Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft		
Service Instructions Cement 2 stage surface as designed. Stage 1-863sks/264bbl Stage 2-879sks/269 bbl Y=1.72							ft		ft								
							ft		ft						Diameter in		
							ft		ft								
		Treat Down Casing				Displacement 303.0 bbl				Packer Type				Packer Depth ft			
		Tubing Vol. bbl				Casing Vol. 306.0 bbl				Annular Vol. 355.0 bbl				Openhole Vol. 831.0 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 1960 psi						Shoe Type Float				Squeeze Type							
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 3961.0 ft				Tool Type							
No. Centralizers		Top Plugs 1		Bottom Plugs 0		Stage Tool Type DV				Tool Depth ft							
Cement Head Type Single						Stage Tool Depth 1827.0 ft				Tail Pipe Size in							
Job Scheduled For Feb/08/2012 01:00		Arrived on Location Feb/08/2012 01:00		Leave Location Feb/08/2012 12:00		Collar Type Float				Tail Pipe Depth ft							
						Collar Depth 3917.0 ft				Sqz. Total Vol. bbl							
Date	Time 24-hr clock	CPF1_DENSITY LB/G		CPF1_PRESS PSI		CPF1_TTL_RATE B/M		Message									
02/08/2012	03:38:34	8.45		-1		0.0		Started Acquisition									
02/08/2012	03:38:39	8.45		-1		0.0		Start Job									
02/08/2012	03:40:14	8.45		-4		0.0											
02/08/2012	03:41:54	8.45		-1		0.0											
02/08/2012	03:43:34	8.45		-1		0.0											
02/08/2012	03:45:14	8.45		-4		0.0		Pressure Test Lines									
02/08/2012	03:46:54	8.45		-2		0.0		Low PSI test good									
02/08/2012	03:48:34	8.45		-2		0.0		Pressure Test Lines									
02/08/2012	03:50:14	8.42		83		1.5		High PSI test good									
02/08/2012	03:51:54	8.45		1106		0.0											
02/08/2012	03:52:14	8.45		1095		0.0											
02/08/2012	03:52:15	8.45		1094		0.0											
02/08/2012	03:53:16	8.45		3620		0.0		Pressure Test Lines									
02/08/2012	03:53:17	8.45		3620		0.0		High PSI test good									
02/08/2012	03:53:34	8.45		3610		0.0											
02/08/2012	03:55:11	8.45		162		3.5		Start Pumping Spacer									
02/08/2012	03:55:14	8.45		129		3.5											
02/08/2012	03:55:38	8.45		134		3.5		40 bbl H2O									
02/08/2012	03:56:54	8.45		214		5.0											
02/08/2012	03:58:17	8.45		216		5.0		Good returns									
02/08/2012	03:58:34	8.45		214		5.0											

Well RGU 42-25-198			Field Ryan Gulch	Job Start Feb/08/2012	Customer Williams	Job Number BQMF-00842
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
02/08/2012	04:01:54	8.45	228	5.0		
02/08/2012	04:02:30	8.45	329	6.4	End Spacer	
02/08/2012	04:02:45	10.54	328	6.6	Start Cement Slurry	
02/08/2012	04:02:46	11.24	330	6.6	Start Mixing Scav Slurry	
02/08/2012	04:02:55	12.53	478	6.5	Bring to weight	
02/08/2012	04:03:34	12.83	495	6.5		
02/08/2012	04:03:50	12.84	500	6.5	End Scavenger Slurry	
02/08/2012	04:03:51	12.84	500	6.5	Start Mixing Lead Slurry	
02/08/2012	04:03:52	12.84	472	6.5	264 bbl 12.8#	
02/08/2012	04:05:14	12.85	584	7.9		
02/08/2012	04:06:54	12.83	550	7.9		
02/08/2012	04:07:03	12.83	582	7.9	Good returns	
02/08/2012	04:07:04	12.83	561	7.9	Took wet/dry samples	
02/08/2012	04:07:05	12.83	555	7.9	Wet sample=12.8 on mudscales	
02/08/2012	04:08:34	12.86	563	7.9		
02/08/2012	04:10:14	12.84	538	8.0		
02/08/2012	04:11:54	12.85	536	8.0		
02/08/2012	04:13:34	12.86	570	7.9		
02/08/2012	04:15:14	12.85	507	7.9		
02/08/2012	04:16:54	12.86	510	7.9		
02/08/2012	04:18:34	12.85	520	7.9		
02/08/2012	04:20:14	12.85	519	7.9		
02/08/2012	04:21:54	12.85	522	7.9		
02/08/2012	04:23:34	12.85	552	7.9		
02/08/2012	04:25:14	12.79	71	2.6		
02/08/2012	04:26:54	12.80	72	2.6		
02/08/2012	04:28:34	12.76	65	2.6		
02/08/2012	04:30:14	12.68	83	2.8		
02/08/2012	04:31:54	12.82	238	5.0		
02/08/2012	04:33:34	12.78	350	6.5		
02/08/2012	04:35:14	12.82	399	6.5		
02/08/2012	04:36:54	12.83	358	6.5		
02/08/2012	04:38:34	12.84	340	6.5		
02/08/2012	04:40:14	12.84	351	6.5		
02/08/2012	04:41:54	12.80	234	5.0		
02/08/2012	04:43:34	12.79	134	3.5		
02/08/2012	04:44:23	12.79	80	2.8	End Lead Slurry	
02/08/2012	04:44:24	12.79	80	2.7	End Cement Slurry	
02/08/2012	04:45:14	13.03	5	0.0		
02/08/2012	04:46:54	13.03	1	0.0		
02/08/2012	04:48:34	9.47	74	2.5	Drop Top Plug	
02/08/2012	04:48:35	9.47	88	2.5	Start Displacement	
02/08/2012	04:48:37	9.31	78	2.5	Displace 303 bbl H2O	
02/08/2012	04:49:41	8.83	42	3.4	Good returns	
02/08/2012	04:50:14	8.68	83	3.6		
02/08/2012	04:51:54	8.56	216	6.4		
02/08/2012	04:53:34	8.46	199	6.4		
02/08/2012	04:55:14	8.41	211	6.4		
02/08/2012	04:56:54	8.43	191	6.5		
02/08/2012	04:58:34	8.45	230	6.4		
02/08/2012	05:00:14	8.44	234	6.4		
02/08/2012	05:01:54	8.45	315	7.9		
02/08/2012	05:03:34	8.45	312	7.9		
02/08/2012	05:05:14	8.45	334	7.8		

Well RGU 42-25-198			Field Ryan Gulch	Job Start Feb/08/2012	Customer Williams	Job Number BQMF-00842
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
02/08/2012	05:08:34	8.45	149	6.4		
02/08/2012	05:10:14	8.45	96	3.6		
02/08/2012	05:11:54	8.45	109	3.5		
02/08/2012	05:13:34	8.45	137	3.5		
02/08/2012	05:15:14	8.45	213	5.0		
02/08/2012	05:16:54	8.45	465	7.9		
02/08/2012	05:18:34	8.45	537	7.9		
02/08/2012	05:20:14	8.46	564	7.8		
02/08/2012	05:21:54	8.46	608	7.9		
02/08/2012	05:23:34	8.45	674	7.9		
02/08/2012	05:25:14	8.45	709	7.9		
02/08/2012	05:26:54	8.45	779	7.9		
02/08/2012	05:28:34	8.46	824	7.8		
02/08/2012	05:30:14	8.46	845	7.8		
02/08/2012	05:31:54	8.46	909	7.8		
02/08/2012	05:33:34	8.46	694	3.5		
02/08/2012	05:35:14	8.46	738	3.5		
02/08/2012	05:36:54	8.46	668	2.2		
02/08/2012	05:38:34	8.46	732	2.2		
02/08/2012	05:40:14	8.46	1199	0.0		
02/08/2012	05:41:54	8.46	12	0.0		
02/08/2012	05:42:01	8.46	12	0.0	Bump Top Plug	
02/08/2012	05:42:15	8.46	12	0.0	Float held	
02/08/2012	05:42:16	8.46	12	0.0	1.5 bbl back	
02/08/2012	05:43:34	8.46	13	0.0		
02/08/2012	05:45:14	8.46	13	0.0		
02/08/2012	05:45:24	8.46	21	1.0	Drop bomb	
02/08/2012	05:46:54	8.46	21	1.4		
02/08/2012	05:48:34	8.46	13	0.0		
02/08/2012	05:50:14	8.46	12	0.0		
02/08/2012	05:51:54	8.46	12	0.0		
02/08/2012	05:53:34	8.46	11	0.0		
02/08/2012	05:55:14	8.46	11	0.0		
02/08/2012	05:56:54	8.46	11	0.0		
02/08/2012	05:57:02	8.46	17	0.6	Pressure up on bomb	
02/08/2012	05:57:32	8.46	269	2.8	Pump 10 bbl H2O	
02/08/2012	05:58:34	8.46	376	6.4		
02/08/2012	06:00:14	8.46	127	0.0		
02/08/2012	06:01:54	8.46	9	0.0		
02/08/2012	08:46:54	0.01	4	0.0		
02/08/2012	08:48:34	0.01	3	0.0		
02/08/2012	08:50:14	8.46	41	1.9		
02/08/2012	08:51:40	8.46	604	0.0	Pressure Test Lines	
02/08/2012	08:51:41	8.46	604	0.0	Low PSI test good	
02/08/2012	08:51:54	8.46	1908	0.0		
02/08/2012	08:52:42	8.46	3569	0.0	Pressure Test Lines	
02/08/2012	08:52:43	8.46	3569	0.0	High PSI test good	
02/08/2012	08:53:34	8.46	10	0.0		
02/08/2012	08:54:38	8.46	91	3.6	Start Pumping Spacer	
02/08/2012	08:55:14	8.46	150	5.1		
02/08/2012	08:56:54	8.46	153	5.1		
02/08/2012	08:58:34	8.46	161	5.1		
02/08/2012	08:59:54	8.45	162	5.1	40 bbl H2O	
02/08/2012	09:00:14	8.45	162	5.1		

Well			Field	Job Start	Customer	Job Number
RGU 42-25-198			Ryan Gulch	Feb/08/2012	Williams	BQMF-00842
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
02/08/2012	09:01:43	8.45	169	5.1	End Spacer	
02/08/2012	09:01:54	8.93	168	5.3	Start Cement Slurry	
02/08/2012	09:01:56	10.32	168	5.2	Start Mixing Scav Slurry	
02/08/2012	09:01:57	10.32	168	5.2	Bring to weight	
02/08/2012	09:02:47	12.77	276	5.0	End Scavenger Slurry	
02/08/2012	09:02:58	12.77	272	5.0	269 bbl 12.8#	
02/08/2012	09:03:01	12.77	271	5.0	Start Mixing Tail Slurry	
02/08/2012	09:03:34	12.75	426	6.4		
02/08/2012	09:05:14	12.79	526	7.9		
02/08/2012	09:06:54	12.90	546	7.9		
02/08/2012	09:08:34	12.86	523	7.9		
02/08/2012	09:10:14	12.86	549	7.9		
02/08/2012	09:11:54	12.84	520	7.9		
02/08/2012	09:13:34	12.83	522	7.9		
02/08/2012	09:15:14	12.86	538	7.9		
02/08/2012	09:16:54	12.87	547	7.9		
02/08/2012	09:18:34	12.85	516	7.9		
02/08/2012	09:20:14	12.78	547	7.9		
02/08/2012	09:21:54	12.85	550	7.9		
02/08/2012	09:23:34	13.01	558	7.9		
02/08/2012	09:25:14	12.85	550	7.9		
02/08/2012	09:26:54	12.73	537	7.9		
02/08/2012	09:28:34	12.81	556	7.9		
02/08/2012	09:29:01	12.76	529	7.9	Good returns	
02/08/2012	09:29:08	12.75	548	7.9	Took wet/dry samples	
02/08/2012	09:29:09	12.75	536	7.9	Wet sample=12.8 on mudscales	
02/08/2012	09:30:14	12.77	560	7.9		
02/08/2012	09:31:54	12.82	544	7.9		
02/08/2012	09:33:34	12.89	399	6.4		
02/08/2012	09:35:14	12.85	392	6.5		
02/08/2012	09:36:54	12.86	411	6.4		
02/08/2012	09:38:34	12.81	90	2.5		
02/08/2012	09:38:40	12.94	12	0.7	End Tail Slurry	
02/08/2012	09:38:43	12.98	15	0.3	End Cement Slurry	
02/08/2012	09:40:14	13.12	13	0.0		
02/08/2012	09:41:54	13.10	13	0.0		
02/08/2012	09:43:29	9.24	73	3.3	Drop Top Plug	
02/08/2012	09:43:31	9.24	73	3.3	Start Displacement	
02/08/2012	09:43:34	9.21	87	3.4		
02/08/2012	09:44:42	8.78	68	3.5	Displace 141 bbl H2O	
02/08/2012	09:45:14	8.73	134	5.1		
02/08/2012	09:45:42	8.68	133	5.0	Good returns	
02/08/2012	09:46:54	8.58	130	5.0		
02/08/2012	09:48:34	8.50	341	7.8		
02/08/2012	09:50:14	8.47	412	7.8		
02/08/2012	09:51:54	8.46	482	7.9		
02/08/2012	09:53:34	8.46	518	7.8		
02/08/2012	09:55:14	8.46	559	7.9		
02/08/2012	09:56:51	8.46	616	7.9	70 bbl cement to surface	
02/08/2012	09:56:54	8.46	604	7.9		
02/08/2012	09:58:34	8.46	629	7.8		
02/08/2012	10:00:14	8.46	682	7.9		
02/08/2012	10:01:54	8.46	496	4.5		
02/08/2012	10:03:34	8.46	498	4.5		

Well			Field	Job Start	Customer	Job Number
RGU 42-25-198			Ryan Gulch	Feb/08/2012	Williams	BQMF-00842
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message	
02/08/2012	10:06:54	8.46	902	2.2		
02/08/2012	10:07:05	8.46	1546	2.2	Bump Top Plug	
02/08/2012	10:07:07	8.46	1495	0.7	End Displacement	
02/08/2012	10:08:22	8.46	1487	0.0	Bumped plug @ 1500 PSI	
02/08/2012	10:08:34	8.46	1487	0.0		
02/08/2012	10:10:11	8.46	7	0.0	Float held	
02/08/2012	10:10:14	8.46	7	0.0		
02/08/2012	10:10:22	8.46	7	0.0	1 bbl back	
02/08/2012	10:10:42	8.46	8	0.0	End Job	
02/08/2012	12:55:37	8.46	4	0.0	Begin 1st topout	
02/08/2012	12:56:54	8.46	4	0.0		
02/08/2012	12:58:34	8.46	-2	0.0		
02/08/2012	13:00:14	9.97	60	3.6		
02/08/2012	13:01:54	14.95	102	2.7		
02/08/2012	13:03:34	14.55	93	2.8		
02/08/2012	13:05:14	14.27	91	2.8		
02/08/2012	13:06:54	15.43	102	3.3		
02/08/2012	13:08:34	15.94	97	2.7		
02/08/2012	13:10:14	15.80	101	2.8		
02/08/2012	13:11:54	15.81	-13	0.0		
02/08/2012	13:13:34	15.74	99	2.0		
02/08/2012	13:15:14	9.53	56	3.2		
02/08/2012	13:16:54	8.55	-1	0.1		
02/08/2012	13:18:10	8.53	-1	0.0	30 bbl cement	
02/08/2012	13:18:34	8.51	-1	0.0		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 3.0	N2	Mud 0.0	Maximum Rate 5.9	Total Slurry 1135.9	Mud 0.0	Spacer 75.8	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 247	Final 153	Average 13	Bump Plug to 1400	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 533.0 bbl	Displacement 450.5 bbl	Mix Water Temp 48 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 70.0 bbl		
					Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Andrew Brunk			Schlumberger Supervisor Matt Fair/Charles Peavey			Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>	
						-		-	

Schlumberger

Service Quality Evaluation

Client:	Williams	Service Order #:	
Field:	Ryan Gulch	Date:	Feb/08/2012
Rig:	Cyclone 29	Operating Time (hh:mm):	00:00
Well:	RGU 42-25-198	Client Rep:	Andrew Brunk
Service Line:	Cementing	Schlumberger Engineer:	Matt Fair/Charles Peavey
Job Type:	2 Stage Surface	Schlumberger FSM:	

Main Objective:

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

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1b	Free of environmental spill or non-compliant discharge	5	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	5
1c	Wellsite left clean	4	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	4
Sub-total					100%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
Sub-total					100%

3	Execution				
3a	Lost time < 30 mins	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3b	Equipment pressure tested succesfully	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3d	Plugs / darts released and tested succesfully	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3e	Density variation met expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3f	Personnel performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3g	Equipment performed as per expectations	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3h	Job pumped as per design	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
3i	Did job start on time	2	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	2
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	3
Sub-total					100%

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%

Total

100%

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

Client:	Schlumberger:
<div></div>	<div></div>
Client Signature:	Schlumberger Signature: