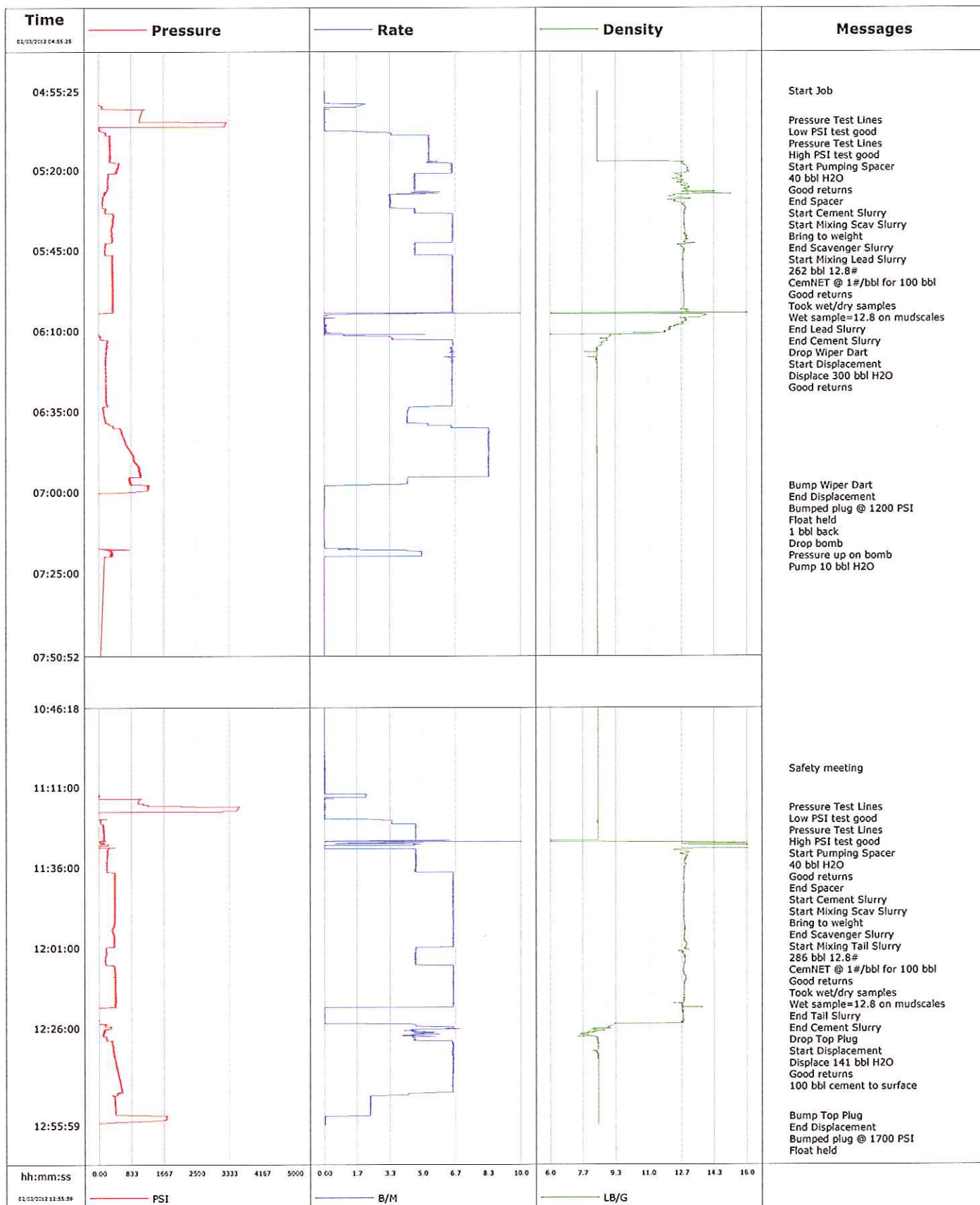
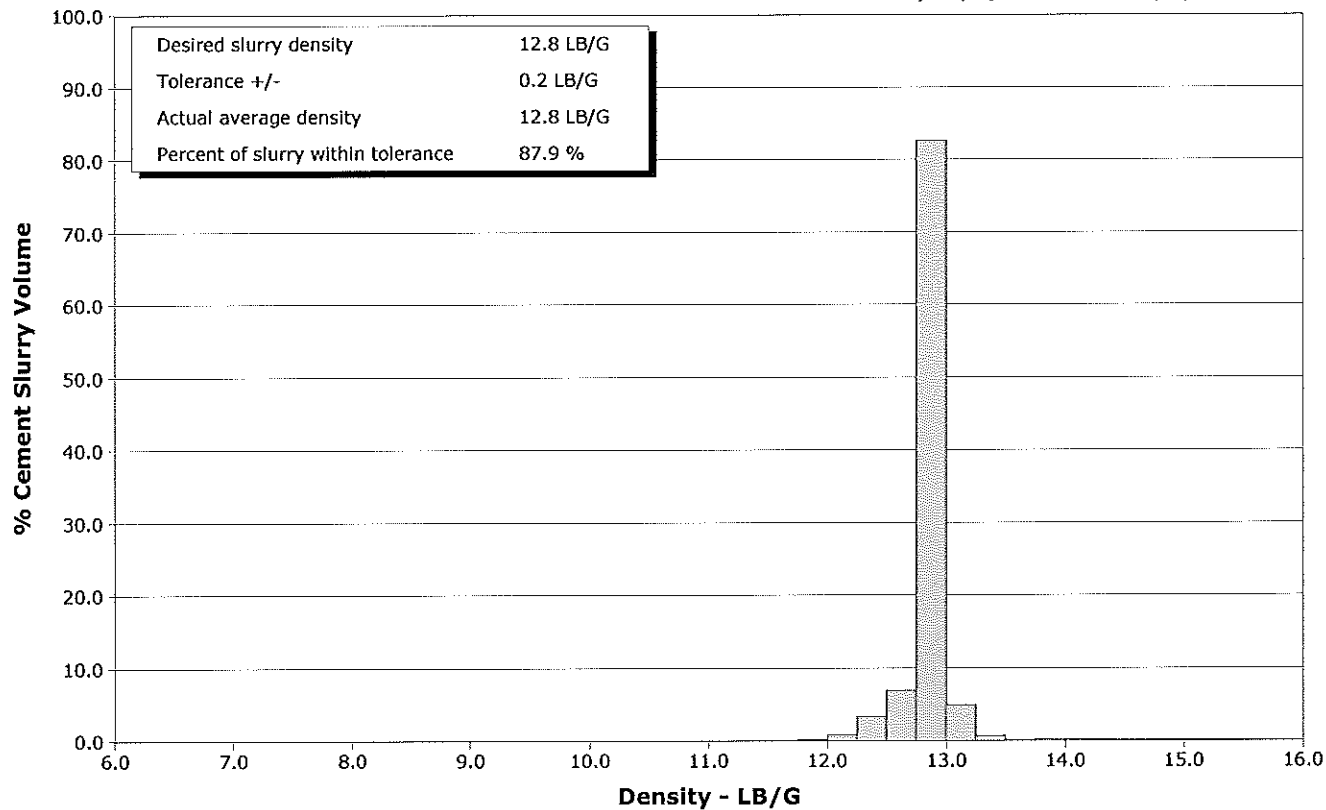


<b>Well</b>	RGU 332-25-198	<b>Client</b>	Williams
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	BQMF-00840
<b>Engineer</b>	Matt Fair/T. Willardson	<b>Job Type</b>	2 Stage Surface
<b>Country</b>	United States	<b>Job Date</b>	02-02-2012

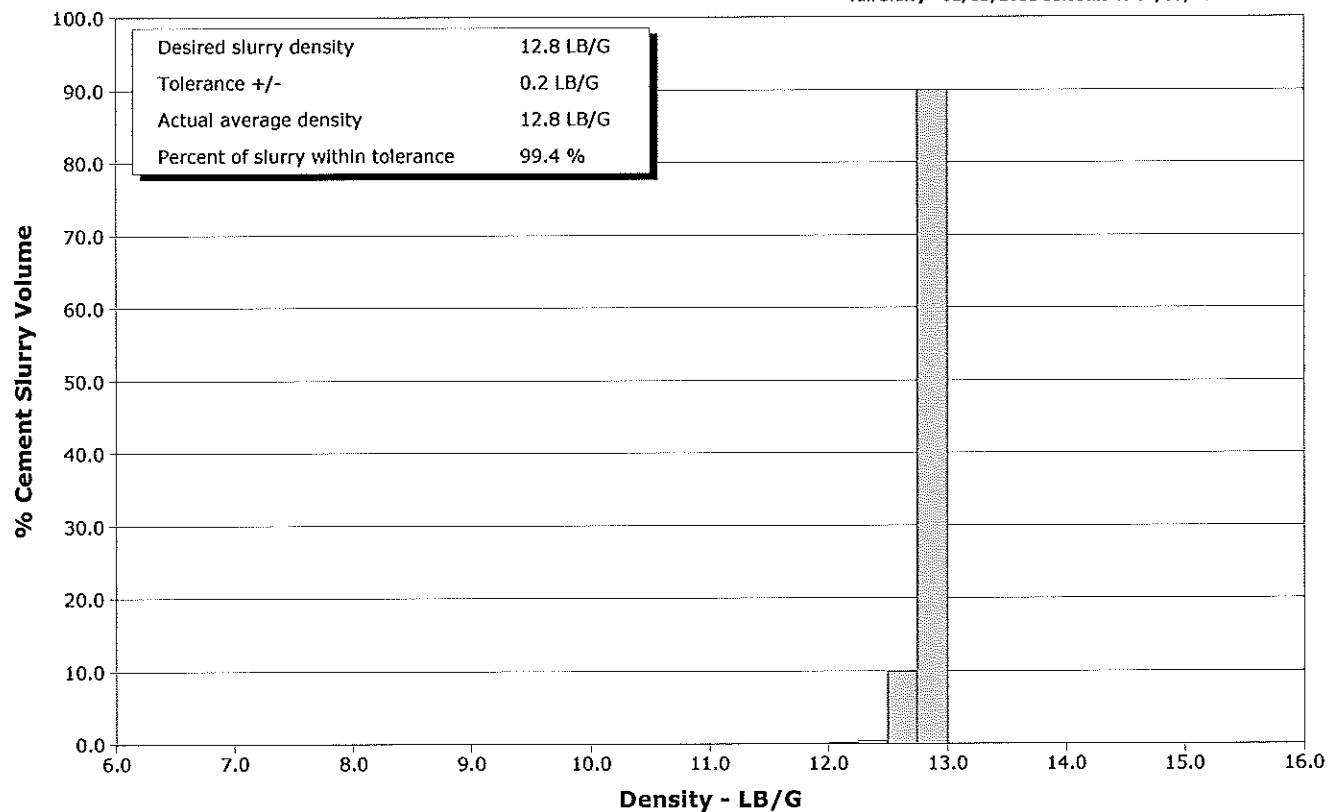


<b>Well</b>	RGU 332-25-198	<b>Client</b>	Williams
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	BQMF-00840
<b>Engineer</b>	Matt Fair/T. Willardson	<b>Job Type</b>	2 Stage Surface
<b>Country</b>	United States	<b>Job Date</b>	02-02-2012

Lead Slurry - 02/03/2012 05:18:25 to 02/03/2012 06:04:30



Tail Slurry - 02/03/2012 11:33:29 to 02/03/2012 12:19:35



				Customer Williams		Job Number BQMF-00840	
Well RGU 332-25-198			Location (legal)		Schlumberger Location		Job Start Feb/02/2012
Field Ryan Gulch		Formation Name/Type Shale		Deviation deg	Bit Size 13.5 in	Well MD 3920.0 ft	Well TVD 3920.0 ft
County Rio Blanco		State/Province Colorado		BHP psi	BHST 123 degF	BHCT 90 degF	Pore Press. Gradient lb/gal
Well Master 0631268138		API/UWI					
Rig Name Cyclone 29		Drilled For Gas		Service Via Land		Casing/Liner	
				Depth, ft	Size, in	Weight, lb/ft	Grade
				80.0	18.0	94.0	N/A
Offshore Zone		Well Class New		Well Type Development			
				3920.0	9.6	36.0	J55
Drilling Fluid Type Bentonite		Max. Density 10.00 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe	
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	
Service Instructions Cement 2 stage surface as designed. Stage 1-855 sks/262 bbl Stage 2-935 sks/286 bbl Y=1.72				Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Casing	Displacement 301.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 303.0 bbl	Annular Vol. 182.0 bbl	Openhole Vol. 513.0 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 1940 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 3920.0 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 1829.0 ft		Tail Pipe Size in	
Job Scheduled For Feb/02/2012 22:00		Arrived on Location Feb/02/2012 22:00		Leave Location Feb/03/2012 14:00		Collar Type Float	
						Tail Pipe Depth ft	
				Collar Depth 3877.0 ft		Sgz. Total Vol. bbl	
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/H	Message		
02/03/2012	04:55:25	8.42	-49	0.0	Started Acquisition		
02/03/2012	04:55:43	8.42	-49	0.0	Start Job		
02/03/2012	04:57:05	8.42	-51	0.0			
02/03/2012	04:58:45	8.42	-51	0.0			
02/03/2012	05:00:25	8.42	103	1.6			
02/03/2012	05:02:05	8.42	1101	0.0			
02/03/2012	05:03:45	8.42	1055	0.0			
02/03/2012	05:04:53	8.42	1029	0.0	Pressure Test Lines		
02/03/2012	05:04:54	8.42	1028	0.0	Low PSI test good		
02/03/2012	05:05:25	8.42	3263	0.0			
02/03/2012	05:05:55	8.42	3241	0.0	Pressure Test Lines		
02/03/2012	05:05:56	8.42	3241	0.0	High PSI test good		
02/03/2012	05:07:05	8.42	23	0.0			
02/03/2012	05:08:29	8.42	184	3.1	Start Pumping Spacer		
02/03/2012	05:08:38	8.42	179	3.4	40 bbl H2O		
02/03/2012	05:08:45	8.42	180	3.4			
02/03/2012	05:10:25	8.42	276	5.3			
02/03/2012	05:11:49	8.41	297	5.3	Good returns		
02/03/2012	05:12:05	8.41	297	5.3			
02/03/2012	05:13:45	8.41	306	5.3			
02/03/2012	05:15:25	8.41	290	5.3			

Well		Field	Job Start	Customer	Job Number
RGU 332-25-198		Ryan Gulch	Feb/02/2012	Williams	BQMF-00840
Date	Time 24-hr clock	CPFL DENSITY LB/G	CPFL PRESS PSI	CPFL TTL RATE B/H	Message
02/03/2012	05:17:29	8.54	295	5.5	End Spacer
02/03/2012	05:17:35	12.57	310	5.3	Start Cement Slurry
02/03/2012	05:17:37	12.76	316	5.3	Start Mixing Scav Slurry
02/03/2012	05:17:39	12.78	357	5.3	Bring to weight
02/03/2012	05:18:24	12.73	495	6.5	End Scavenger Slurry
02/03/2012	05:18:25	12.74	524	6.5	Start Mixing Lead Slurry
02/03/2012	05:18:27	12.74	502	6.5	262 bbl 12.8#
02/03/2012	05:18:45	12.89	496	6.5	
02/03/2012	05:20:25	12.96	461	6.5	
02/03/2012	05:22:05	12.69	254	4.6	
02/03/2012	05:23:45	12.71	239	4.6	
02/03/2012	05:25:06	12.68	237	4.6	CemNET @ 1#/bbl for 100 bbl
02/03/2012	05:25:25	13.02	253	4.6	
02/03/2012	05:27:05	12.70	207	4.6	
02/03/2012	05:27:31	15.17	164	3.7	Good returns
02/03/2012	05:27:32	15.17	148	3.7	Took wet/dry samples
02/03/2012	05:27:34	14.54	173	4.3	Wet sample=12.8 on mudscales
02/03/2012	05:28:45	12.33	113	3.3	
02/03/2012	05:30:25	12.70	102	3.4	
02/03/2012	05:32:05	12.89	196	4.6	
02/03/2012	05:33:45	12.83	347	6.5	
02/03/2012	05:35:25	12.81	380	6.6	
02/03/2012	05:37:05	12.81	361	6.5	
02/03/2012	05:38:45	12.85	332	6.5	
02/03/2012	05:40:25	12.91	340	6.5	
02/03/2012	05:42:05	12.90	349	6.5	
02/03/2012	05:43:45	12.61	171	4.6	
02/03/2012	05:45:25	12.82	157	4.6	
02/03/2012	05:47:05	12.75	355	6.5	
02/03/2012	05:48:45	12.75	354	6.5	
02/03/2012	05:50:25	12.75	351	6.5	
02/03/2012	05:52:05	12.74	357	6.5	
02/03/2012	05:53:45	12.74	369	6.5	
02/03/2012	05:55:25	12.76	362	6.5	
02/03/2012	05:57:05	12.78	356	6.5	
02/03/2012	05:58:45	12.79	377	6.5	
02/03/2012	06:00:25	12.79	369	6.5	
02/03/2012	06:02:05	12.80	375	6.5	
02/03/2012	06:03:45	12.83	359	6.5	
02/03/2012	06:04:30	16.05	21	2.0	End Lead Slurry
02/03/2012	06:04:32	16.91	-27	0.0	End Cement Slurry
02/03/2012	06:05:25	13.87	-41	0.0	
02/03/2012	06:07:05	12.91	-42	0.0	
02/03/2012	06:08:45	12.36	-36	0.0	
02/03/2012	06:09:07	12.12	-38	0.0	Drop Wiper Dart
02/03/2012	06:09:08	12.15	-38	0.0	Start Displacement
02/03/2012	06:09:11	12.08	-38	0.1	Displace 300 bbl H2O
02/03/2012	06:10:25	11.84	-19	0.0	
02/03/2012	06:12:05	9.01	48	3.4	
02/03/2012	06:13:45	8.67	224	6.5	
02/03/2012	06:15:25	8.37	200	6.4	
02/03/2012	06:17:05	8.40	195	6.6	
02/03/2012	06:18:45	8.35	185	6.5	
02/03/2012	06:20:25	8.40	181	6.5	

Well		Field	Job Start	Customer	Job Number
RGU 332-25-198		Ryan Gulch	Feb/02/2012	Williams	BQMF-00840
Date	Time 24-hr clock	CPFI_DENSITY LB/G	CPFI_PRESS PSI	CPFI_TTL_RATE B/M	Message
02/03/2012	06:22:05	8.40	190	6.5	
02/03/2012	06:23:45	8.40	191	6.5	
02/03/2012	06:25:25	8.41	189	6.5	
02/03/2012	06:27:05	8.39	196	6.5	
02/03/2012	06:28:45	8.39	193	6.5	
02/03/2012	06:30:25	8.39	190	6.5	
02/03/2012	06:32:05	8.39	190	6.5	
02/03/2012	06:33:45	8.39	166	5.3	
02/03/2012	06:35:25	8.39	137	4.2	
02/03/2012	06:37:05	8.39	155	4.2	
02/03/2012	06:38:45	8.39	208	4.5	
02/03/2012	06:40:25	8.39	540	8.4	
02/03/2012	06:42:05	8.39	587	8.4	
02/03/2012	06:43:45	8.40	656	8.4	
02/03/2012	06:45:25	8.40	695	8.4	
02/03/2012	06:47:05	8.40	795	8.4	
02/03/2012	06:48:45	8.41	890	8.4	
02/03/2012	06:50:25	8.41	904	8.4	
02/03/2012	06:52:05	8.41	997	8.4	
02/03/2012	06:53:45	8.41	1025	8.4	
02/03/2012	06:55:25	8.41	815	8.2	
02/03/2012	06:57:05	8.41	829	4.2	
02/03/2012	06:58:08	8.41	1292	0.1	Bump Wiper Dart
02/03/2012	06:58:11	8.41	1291	0.0	Bumped plug @ 1200 PSI
02/03/2012	06:58:45	8.41	1267	0.0	
02/03/2012	07:00:25	8.41	49	0.0	
02/03/2012	07:02:05	8.41	-15	0.0	
02/03/2012	07:03:45	8.42	-18	0.0	
02/03/2012	07:03:55	8.41	-18	0.0	Float held
02/03/2012	07:04:03	8.41	-18	0.0	1 bbl back
02/03/2012	07:04:17	8.41	-19	0.0	Drop bomb
02/03/2012	07:05:25	8.41	-20	0.0	
02/03/2012	07:07:05	8.41	-20	0.0	
02/03/2012	07:08:45	8.41	-22	0.0	
02/03/2012	07:10:25	8.41	-23	0.0	
02/03/2012	07:12:05	8.42	-25	0.0	
02/03/2012	07:13:45	8.42	-24	0.0	
02/03/2012	07:15:25	8.42	-24	0.0	
02/03/2012	07:17:05	8.42	-26	0.0	
02/03/2012	07:17:46	8.42	321	0.7	Pressure up on bomb
02/03/2012	07:18:27	8.42	296	4.6	Pump 10 bbl H2O
02/03/2012	07:18:45	8.42	347	4.9	
02/03/2012	07:20:25	8.42	151	0.0	
02/03/2012	11:00:25	8.43	-44	0.0	
02/03/2012	11:02:05	8.43	-45	0.0	
02/03/2012	11:03:45	8.43	-46	0.0	
02/03/2012	11:05:24	8.43	-46	0.0	Safety meeting
02/03/2012	11:05:25	8.43	-45	0.0	
02/03/2012	11:07:05	8.43	-47	0.0	
02/03/2012	11:08:45	8.43	-48	0.0	
02/03/2012	11:10:25	8.43	-48	0.0	
02/03/2012	11:12:05	8.43	-46	0.0	
02/03/2012	11:13:45	8.44	12	2.1	
02/03/2012	11:15:25	8.43	1010	0.0	

Well		Field	Job Start	Customer	Job Number
RGU 332-25-198		Ryan Gulch	Feb/02/2012	Williams	BQMF-00840
Date	Time 24-hr clock	CPFL_DENSITY LB/G	CPFL_PRESS PSI	CPFL_TTL_RATE B/M	Message
02/03/2012	11:17:20	8.43	3590	0.0	Pressure Test Lines
02/03/2012	11:18:21	8.43	3531	0.0	Pressure Test Lines
02/03/2012	11:18:23	8.43	3529	0.0	High PSI test good
02/03/2012	11:18:45	8.43	3160	0.0	
02/03/2012	11:20:25	8.43	-38	0.0	
02/03/2012	11:21:15	8.43	53	3.0	Start Pumping Spacer
02/03/2012	11:21:17	8.43	61	3.2	40 bbl H2O
02/03/2012	11:22:05	8.43	54	3.4	
02/03/2012	11:23:45	8.43	130	4.6	
02/03/2012	11:23:46	8.43	130	4.6	Good returns
02/03/2012	11:25:25	8.43	127	4.6	
02/03/2012	11:27:05	8.44	136	4.6	
02/03/2012	11:28:45	12.96	205	4.3	
02/03/2012	11:30:25	12.68	235	4.6	
02/03/2012	11:32:05	12.73	209	4.6	
02/03/2012	11:32:31	12.97	227	4.6	End Spacer
02/03/2012	11:32:36	12.96	219	4.6	Start Cement Slurry
02/03/2012	11:32:40	12.95	215	4.6	Start Mixing Scav Slurry
02/03/2012	11:32:48	12.92	213	4.6	Bring to weight
02/03/2012	11:33:28	12.84	204	4.6	End Scavenger Slurry
02/03/2012	11:33:29	12.84	204	4.6	Start Mixing Tail Slurry
02/03/2012	11:33:31	12.83	205	4.7	286 bbl 12.8#
02/03/2012	11:33:36	12.83	197	4.6	CemNET @ 1#/bbl for 100 bbl
02/03/2012	11:33:45	12.83	197	4.6	
02/03/2012	11:35:22	12.86	201	4.6	Good returns
02/03/2012	11:35:25	12.86	198	4.6	
02/03/2012	11:37:05	12.78	201	4.6	
02/03/2012	11:38:45	12.77	410	6.5	
02/03/2012	11:40:25	12.76	396	6.5	
02/03/2012	11:42:05	12.79	401	6.5	
02/03/2012	11:43:12	12.80	404	6.5	Took wet/dry samples
02/03/2012	11:43:45	12.78	408	6.5	
02/03/2012	11:45:25	12.76	383	6.5	
02/03/2012	11:47:05	12.76	404	6.5	
02/03/2012	11:48:45	12.76	405	6.5	
02/03/2012	11:50:25	12.76	399	6.5	
02/03/2012	11:52:05	12.76	395	6.5	
02/03/2012	11:53:45	12.81	380	6.5	
02/03/2012	11:55:25	12.81	334	6.5	
02/03/2012	11:58:45	12.79	398	6.5	
02/03/2012	12:00:25	12.89	393	6.5	
02/03/2012	12:02:05	12.71	193	4.6	
02/03/2012	12:03:45	12.81	175	4.6	
02/03/2012	12:05:25	12.82	159	4.6	
02/03/2012	12:07:05	12.76	389	6.5	
02/03/2012	12:08:45	12.73	415	6.5	
02/03/2012	12:10:25	12.86	404	6.5	
02/03/2012	12:12:05	12.79	404	6.5	
02/03/2012	12:13:45	12.78	421	6.5	
02/03/2012	12:15:25	12.77	425	6.5	
02/03/2012	12:17:05	12.76	424	6.6	
02/03/2012	12:18:45	12.69	412	6.5	
02/03/2012	12:19:35	12.77	3	3.4	End Tail Slurry
02/03/2012	12:19:36	12.73	-5	1.8	End Cement Slurry

Well		Field	Job Start	Customer	Job Number
RGU 332-25-198		Ryan Gulch	Feb/02/2012	Williams	BQMF-00840
Date	Time 24-hr clock	CPF1_DENSITY LB/G	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	Message
02/03/2012	12:22:05	12.73	-16	0.0	
02/03/2012	12:23:45	12.75	2	0.0	
02/03/2012	12:24:51	9.27	165	4.6	Drop Top Plug
02/03/2012	12:24:52	9.27	165	4.6	Start Displacement
02/03/2012	12:24:59	9.22	147	4.6	Displace 141 bbl H2O
02/03/2012	12:25:25	9.11	153	4.6	
02/03/2012	12:27:05	8.40	102	4.5	
02/03/2012	12:28:45	8.30	175	4.4	
02/03/2012	12:30:25	8.41	343	6.5	
02/03/2012	12:32:05	8.44	362	6.5	
02/03/2012	12:32:37	8.42	365	6.6	Good returns
02/03/2012	12:32:45	8.44	363	6.5	100 bbl cement to surface
02/03/2012	12:33:45	8.34	378	6.5	
02/03/2012	12:35:25	8.42	404	6.5	
02/03/2012	12:37:05	8.44	436	6.5	
02/03/2012	12:38:45	8.44	459	6.5	
02/03/2012	12:40:25	8.44	482	6.5	
02/03/2012	12:42:05	8.44	513	6.5	
02/03/2012	12:43:45	8.44	556	6.5	
02/03/2012	12:45:25	8.44	573	6.5	
02/03/2012	12:47:05	8.44	400	2.3	
02/03/2012	12:48:45	8.44	399	2.3	
02/03/2012	12:50:25	8.44	412	2.3	
02/03/2012	12:52:05	8.44	421	2.3	
02/03/2012	12:53:18	8.44	1745	0.4	Bump Top Plug
02/03/2012	12:53:20	8.44	1728	0.2	End Displacement
02/03/2012	12:53:21	8.44	1728	0.1	Bumped plug @ 1700 PSI
02/03/2012	12:53:45	8.44	1724	0.0	
02/03/2012	12:55:25	8.44	159	0.0	
02/03/2012	12:55:35	8.44	-28	0.0	Float held
02/03/2012	12:55:47	8.44	-40	0.0	1.5 bbl back

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
2.4			15.3	548.0	0.0	80.0			
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density		
3593	-40	416	1000			bbl	lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume			
%	548.0 bbl		441.0 bbl	67 degF	<input checked="" type="checkbox"/>	100.0 bbl			
					Washed Thru Perfs	To			
					<input type="checkbox"/>	ft			
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed		
Andrew Brunk			Matt Fair/T. Willardson			<input type="checkbox"/>	<input checked="" type="checkbox"/>		
						-	-		



## Service Quality Evaluation

Client:	Williams
Field:	Ryan Gulch
Rig:	Cyclone 29
Well:	RGU 332-25-198
Service Line:	Cementing
Job Type:	2 Stage Surface

Service Order #:	
Date:	Feb/02/2012
Operating Time (hh:mm):	00:00
Client Rep:	Andrew Brunk
Schlumberger Engineer:	Matt Fair/T. Willardson
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
<b>1</b>	<b>HSE</b>				
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%

<b>2</b>	<b>Design / Preparation</b>				
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%

<b>3</b>	<b>Execution</b>				
3a	Lost time < 30 mins	3	yes	<input checked="" type="checkbox"/> no <input type="checkbox"/>	3
3b	Equipment pressure tested successfully	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 successfully	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%

<b>4</b>	<b>Evaluation</b>				
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:
Client Signature:	Schlumberger Signature: