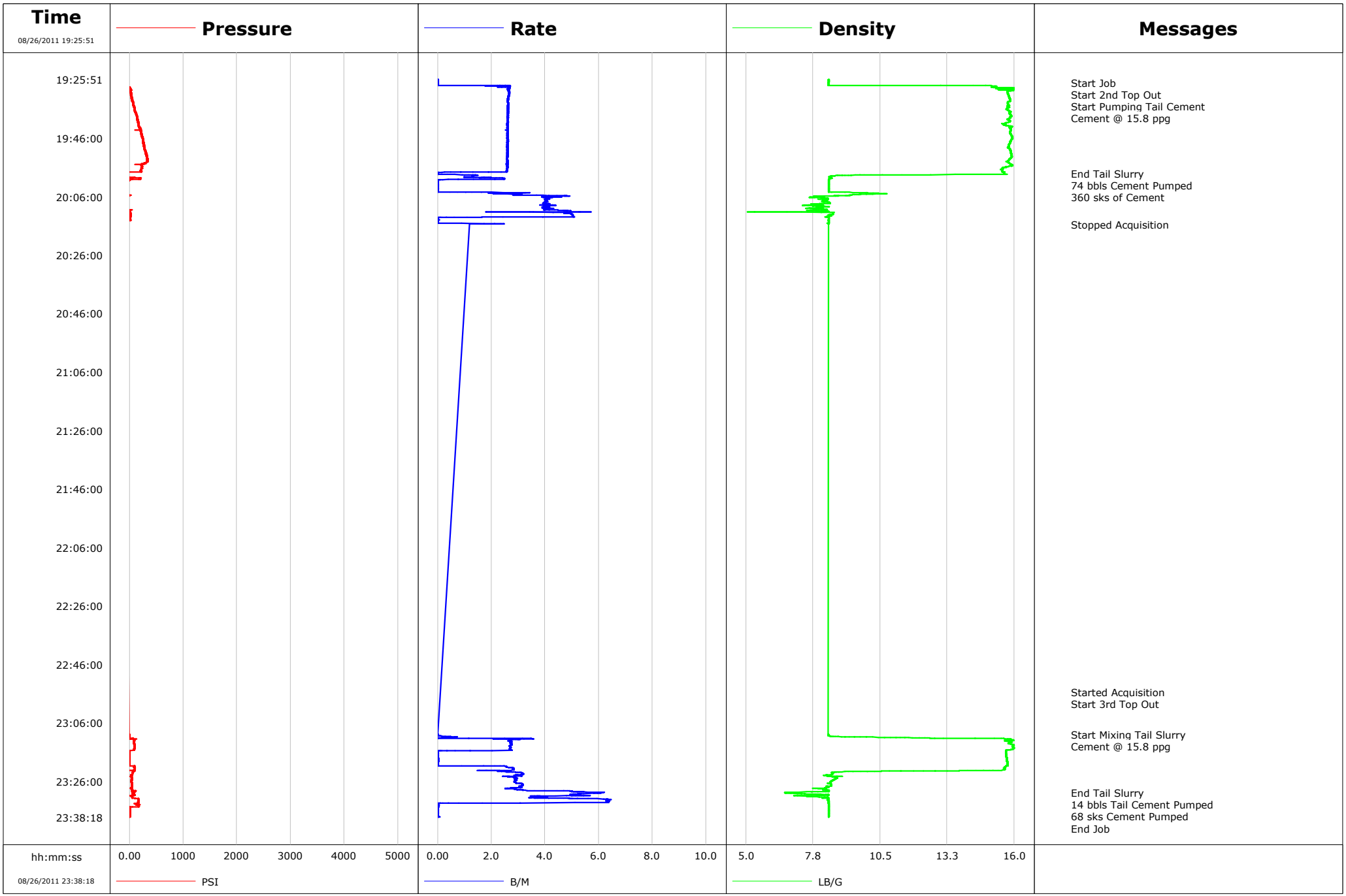
Schlumberger Cementing Job Report

Well	RGU 413-25-198	**Client**	Williams
Field	Ryan Gulch Unit	**SIR No.**	BUS5-00028
Engineer	Ryan Bowditch	**Job Type**	9 5/8" 2-Stage Topout
Country	United States	**Job Date**	08-26-2011



Schlumberger

Cementing Service Report

Customer	Job Number
Williams	BUS5-00028

Well	Location (legal)	Schlumberger Location	Job Start
RGU 413-25-198		Grand Junction, CO	Aug/26/2011

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Ryan Gulch Unit		deg	in	ft	ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Rio Blanco	Colorado	psi	degF	degF	lb/gal
Well Master	**API/UWI**				

Rig Name	Drilled For	Service Via

Offshore Zone	Well Class	Well Type

Drilling Fluid Type	Max. Density	Plastic Viscosity
	lb/gal	cP

Service Line	Job Type
Cementing	9 5/8" 2-Stage Topout

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
psi	psi	

Service Instructions

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread

Tubing/Drill Pipe

T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread

Perforations/Open Hole

Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
ft	ft			ft
ft	ft			Diameter
ft	ft			in

Treat Down	Displacement	Packer Type	Packer Depth
	bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
bbl	bbl	bbl	bbl

Casing/Tubing Secured ☐	1 Hole Vol. Circulated prior to Cement ☐	Casing Tools	Squeeze Job
Lift Pressure psi		Shoe Type	Squeeze Type
Pipe Rotated ☐	Pipe Reciprocated ☐	Shoe Depth ft	Tool Type
No. Centralizers	Top Plugs / Bottom Plugs	Stage Tool Type	Tool Depth ft
Cement Head Type		Stage Tool Depth ft	Tail Pipe Size in
Job Scheduled For: Aug/26/2011	Arrived on Location: Aug/26/2011	Collar Type	Tail Pipe Depth ft
Leave Location: Aug/26/2011		Collar Depth 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
08/26/2011	19:25:51	-91	0.0	8.38	2.2	0	Started Acquisition
08/26/2011	19:27:00	-90	0.0	8.38	0.0	0	Start Job
08/26/2011	19:27:01	-90	0.0	8.38	0.0	0	Start 2nd Top Out
08/26/2011	19:27:31	-90	0.0	8.38	0.0	0	
08/26/2011	19:28:00	-57	2.5	14.81	0.2	55	Start Pumping Tail Cement
08/26/2011	19:29:11	8	2.6	16.61	3.2	43	
08/26/2011	19:30:51	31	2.7	15.73	7.6	48	
08/26/2011	19:32:31	45	2.6	15.81	12.0	52	
08/26/2011	19:34:11	69	2.6	15.73	16.4	52	
08/26/2011	19:35:51	85	2.6	15.68	20.7	48	
08/26/2011	19:37:31	117	2.6	15.80	25.1	48	
08/26/2011	19:39:11	146	2.6	15.79	29.4	47	
08/26/2011	19:40:51	162	2.6	15.62	33.8	44	
08/26/2011	19:42:31	199	2.6	15.83	38.1	43	
08/26/2011	19:44:11	217	2.6	15.82	42.4	45	
08/26/2011	19:45:51	245	2.6	15.90	46.8	44	
08/26/2011	19:47:31	257	2.6	15.81	51.1	48	
08/26/2011	19:49:11	270	2.6	15.73	55.4	46	
08/26/2011	19:50:51	295	2.6	15.85	59.7	48	
08/26/2011	19:52:31	329	2.6	15.88	64.1	49	
08/26/2011	19:54:11	318	2.6	15.75	68.4	47	

Well	Field	Job Start	Customer	Job Number
RGU 413-25-198	Ryan Gulch Unit	Aug/26/2011	Williams	BUS5-00028

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message
08/26/2011	19:57:31	-69	1.3	15.58	77.0	0	
08/26/2011	19:58:00	-83	0.0	15.59	77.0	0	End Tail Slurry
08/26/2011	19:59:00	-52	1.3	8.45	77.8	0	74 bbls Cement Pumped
08/26/2011	19:59:11	-52	1.3	8.43	78.0	0	
08/26/2011	20:00:51	-29	0.0	8.40	79.9	0	
08/26/2011	20:02:31	-89	0.0	8.40	79.9	0	
08/26/2011	20:05:51	-29	4.3	7.89	84.4	0	
08/26/2011	20:07:31	-32	4.0	8.13	91.2	0	
08/26/2011	20:09:11	-41	4.0	8.08	97.9	34	
08/26/2011	20:10:51	3	4.9	8.11	104.8	39	
08/26/2011	20:12:31	15	5.0	8.44	112.9	0	
08/26/2011	20:14:11	-79	0.0	8.38	115.2	0	
08/26/2011	23:10:02	-0	0.0	8.38	0.7	0	Cement @ 15.8 ppg
08/26/2011	23:10:51	-1	0.7	9.46	0.8	0	
08/26/2011	23:12:31	82	2.8	15.89	4.1	48	
08/26/2011	23:14:11	84	2.7	15.92	8.6	51	
08/26/2011	23:15:51	-5	0.0	15.64	12.4	0	
08/26/2011	23:17:31	-5	0.0	15.67	12.4	0	
08/26/2011	23:19:11	-4	0.0	15.70	12.4	0	
08/26/2011	23:20:51	89	2.3	15.65	12.5	45	
08/26/2011	23:22:31	82	2.6	11.88	16.9	53	
08/26/2011	23:24:11	40	3.1	8.42	21.8	3	
08/26/2011	23:25:51	36	2.9	8.53	26.6	16	
08/26/2011	23:27:31	44	3.1	8.50	31.6	22	
08/26/2011	23:29:11	57	3.3	8.39	36.5	46	
08/26/2011	23:30:00	58	6.2	6.59	40.8	37	End Tail Slurry
08/26/2011	23:30:51	96	5.0	8.38	45.3	0	
08/26/2011	23:32:31	157	6.3	8.38	53.2	0	
08/26/2011	23:34:11	158	0.0	8.39	59.1	0	
08/26/2011	23:35:51	5	0.0	8.39	59.1	0	
08/26/2011	23:37:31	6	0.0	8.39	59.1	0	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.7			6.4	173.9	0.0	0.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
338	6	100				bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
%	0.0 bbl	0.0 bbl	degF	☐	bbl
				Washed Thru Perfs ☐	To ft

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Joe Honeycutt	Ryan Bowditch	☐ -	☐ -