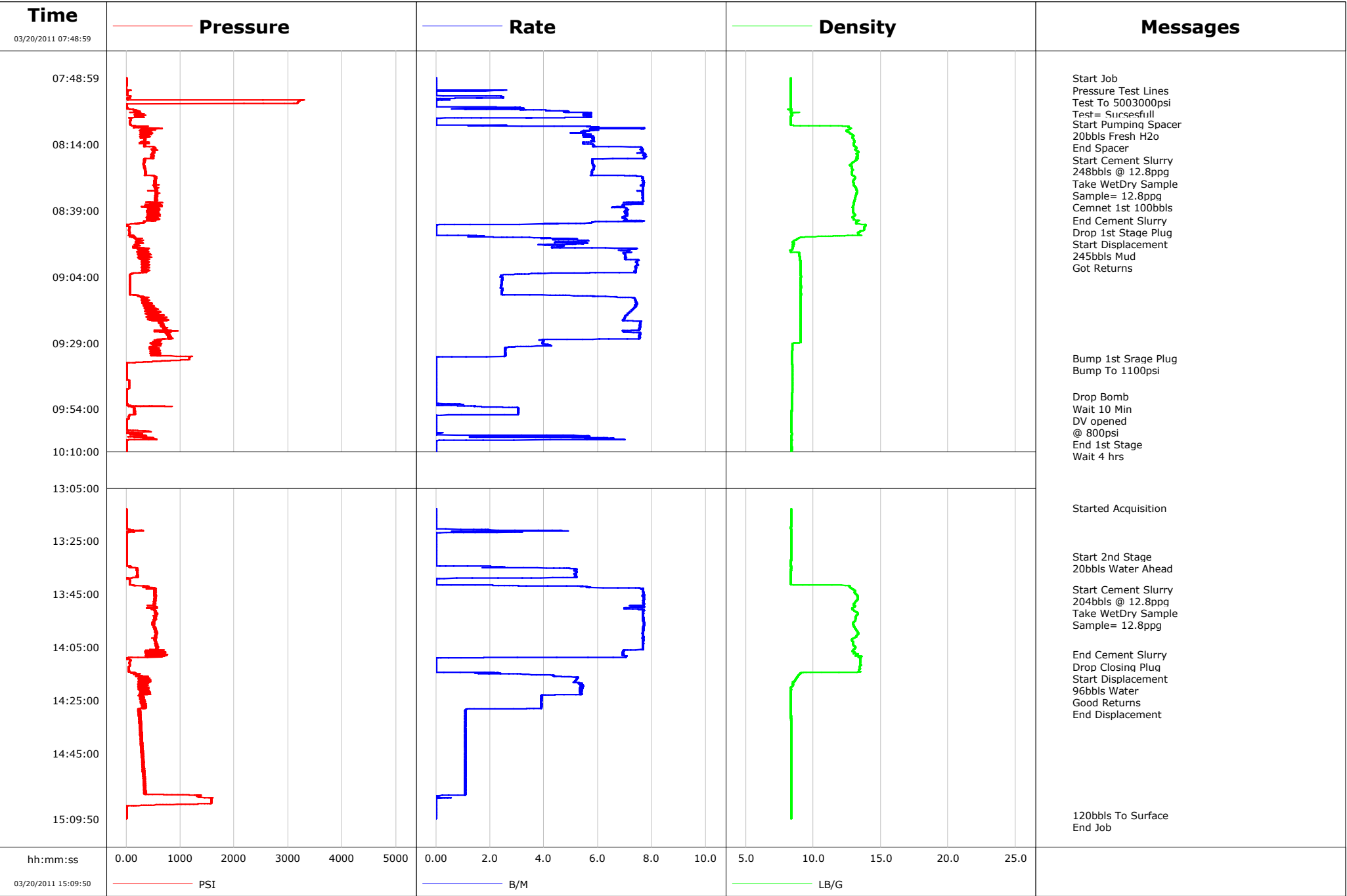


<b>Well</b>	RG 523-14-298	<b>Client</b>	WILLIAMS
<b>Field</b>	Ryan Gulch	<b>SIR No.</b>	
<b>Engineer</b>	Jason Crick	<b>Job Type</b>	2 STAGE SURFACE
<b>Country</b>	United States	<b>Job Date</b>	03-20-2011



# Cementing Service Report

				Customer WILLIAMS			Job Number	
Well RG 523-14-298			Location (legal) N PIEANCE		Schlumberger Location			Job Start Mar/20/2011
Field Ryan Gulch		Formation Name/Type		Deviation deg	Bit Size in	Well MD ft	Well TVD ft	
County RIO BLANCO		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal	
Well Master		API/UWI						
Rig Name Frontier 10	Drilled For Gas	Service Via Land		Casing/Liner				
				Depth, ft	Size, in	Weight, lb/ft	Grade	
Offshore Zone		Well Class New	Well Type Development					
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	
Service Line Cementing		Job Type 2 STAGE SURFACE						
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi	WH Connection	Perforations/Open Hole				
				Top, ft	Bottom, ft	shot/ft	No. of Shots	
				ft	ft		Total Interval ft	
				ft	ft		Diameter in	
				ft	ft			
				Treat Down Casing	Displacement bbl	Packer Type	Packer Depth ft	
				Tubing Vol. bbl	Casing Vol. 245.0 bbl	Annular Vol. 239.0 bbl	Openhole Vol. 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 1589 psi				Shoe Type Diff-Fill		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type		
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type DV		Tool Depth ft		
Cement Head Type				Stage Tool Depth ft		Tail Pipe Size in		
Job Scheduled For Mar/20/2011		Arrived on Location Mar/20/2011	Leave Location Mar/20/2011	Collar Type Diff-Fill		Tail Pipe Depth ft		
				Collar Depth ft		Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/20/2011	07:48:59	1	0.0	8.34	0.0	Started Acquisition		
03/20/2011	07:49:00	1	0.0	8.34	0.0	Pressure Test Lines		
03/20/2011	07:49:01	1	0.0	8.34	0.0	Test To 5003000psi		
03/20/2011	07:49:02	1	0.0	8.34	0.0	Test= Succesfull		
03/20/2011	07:50:39	1	0.0	8.34	0.0			
03/20/2011	07:52:19	-1	0.0	8.34	0.0			
03/20/2011	07:53:59	23	0.0	8.34	0.7			
03/20/2011	07:55:39	19	0.0	8.34	0.7			
03/20/2011	07:57:19	2526	0.5	8.34	2.9			
03/20/2011	07:58:59	7	0.0	8.34	2.9			
03/20/2011	08:00:39	35	1.0	8.36	4.5			
03/20/2011	08:02:19	258	5.7	8.37	11.4			
03/20/2011	08:03:59	104	3.3	8.34	20.7			
03/20/2011	08:05:39	69	0.0	8.34	21.0			
03/20/2011	08:06:13	72	0.0	8.34	21.0	Start Pumping Spacer		
03/20/2011	08:06:14	72	0.0	8.34	21.0	20bbls Fresh H2o		
03/20/2011	08:07:15	387	5.7	12.60	21.9	End Spacer		
03/20/2011	08:07:19	398	5.7	12.60	22.3			
03/20/2011	08:07:20	398	5.6	12.61	22.4	Start Cement Slurry		
03/20/2011	08:07:21	256	5.6	12.61	22.5	Take WetDry Sample		
03/20/2011	08:08:59	366	5.7	12.45	32.7			

Well RG 523-14-298			Field Ryan Gulch		Job Start Mar/20/2011	Customer WILLIAMS	Job Number
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/20/2011	08:12:19	340	5.8	13.00	51.4		
03/20/2011	08:13:59	338	5.7	12.98	60.8		
03/20/2011	08:15:39	507	7.6	13.19	71.7		
03/20/2011	08:17:19	518	7.5	13.27	84.4		
03/20/2011	08:18:59	461	7.7	13.22	97.2		
03/20/2011	08:20:39	334	5.8	13.00	107.9		
03/20/2011	08:22:19	328	5.9	12.83	117.5		
03/20/2011	08:23:59	343	5.8	12.89	127.2		
03/20/2011	08:25:39	360	5.8	12.87	136.9		
03/20/2011	08:27:19	547	7.7	13.02	149.2		
03/20/2011	08:28:59	536	7.7	13.00	162.0		
03/20/2011	08:30:39	542	7.7	13.15	174.7		
03/20/2011	08:32:19	549	7.6	13.22	187.5		
03/20/2011	08:33:59	559	7.7	13.11	200.2		
03/20/2011	08:35:39	568	7.7	13.04	213.0		
03/20/2011	08:37:19	374	6.9	12.95	225.1		
03/20/2011	08:38:59	418	7.1	12.95	236.7		
03/20/2011	08:40:39	408	7.1	13.10	248.4		
03/20/2011	08:42:19	389	7.0	12.97	260.0		
03/20/2011	08:42:37	411	7.0	12.99	262.1	End Cement Slurry	
03/20/2011	08:42:39	385	7.0	13.00	262.4	Drop 1st Stage Plug	
03/20/2011	08:43:59	166	4.9	13.15	270.9		
03/20/2011	08:45:39	53	0.0	13.74	272.1		
03/20/2011	08:47:19	58	0.0	13.33	272.1		
03/20/2011	08:48:59	70	1.2	9.83	273.0		
03/20/2011	08:49:47	187	4.9	8.82	275.8	Start Displacement	
03/20/2011	08:49:48	187	4.9	8.81	275.9	245bbls Mud	
03/20/2011	08:50:39	209	5.6	8.53	280.2		
03/20/2011	08:52:19	250	4.7	8.52	288.3		
03/20/2011	08:53:59	331	7.1	8.32	298.0		
03/20/2011	08:55:39	298	7.0	8.97	309.7		
03/20/2011	08:57:19	304	7.0	9.00	321.4		
03/20/2011	08:58:59	331	7.4	9.05	333.7		
03/20/2011	09:00:39	280	7.4	9.06	346.1		
03/20/2011	09:02:19	332	7.4	9.06	358.4		
03/20/2011	09:03:59	63	2.4	9.09	364.6		
03/20/2011	09:05:39	67	2.4	9.09	368.7		
03/20/2011	09:07:19	64	2.4	9.09	372.7		
03/20/2011	09:08:59	68	2.5	9.09	376.8		
03/20/2011	09:10:39	66	2.4	9.09	380.8		
03/20/2011	09:12:19	338	7.4	9.07	390.1		
03/20/2011	09:13:59	294	7.4	9.06	402.4		
03/20/2011	09:15:39	381	7.4	9.06	414.7		
03/20/2011	09:17:19	616	7.2	9.06	426.8		
03/20/2011	09:18:59	460	7.0	9.06	438.7		
03/20/2011	09:20:39	687	6.9	9.06	450.3		
03/20/2011	09:22:19	679	7.6	9.06	462.8		
03/20/2011	09:23:59	737	7.5	9.06	475.4		
03/20/2011	09:25:39	742	7.5	9.06	487.5		
03/20/2011	09:27:19	814	7.5	9.06	500.1		
03/20/2011	09:28:59	568	4.0	9.05	508.0		
03/20/2011	09:30:39	551	2.7	8.43	514.4		
03/20/2011	09:32:19	572	2.6	8.42	518.7		
03/20/2011	09:33:59	570	2.6	8.41	523.0		

Well			Field		Job Start		Customer		Job Number	
RG 523-14-298			Ryan Gulch		Mar/20/2011		WILLIAMS			
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
03/20/2011	09:35:39	877		0.0	8.42		523.7			
03/20/2011	09:37:19	1		0.0	8.43		523.7			
03/20/2011	09:38:59	2		0.0	8.43		523.7			
03/20/2011	09:40:39	3		0.0	8.43		523.7			
03/20/2011	09:42:19	3		0.0	8.43		523.7			
03/20/2011	09:43:59	53		0.0	8.43		523.7			
03/20/2011	09:45:39	55		0.0	8.43		523.7			
03/20/2011	09:47:19	2		0.0	8.43		523.7			
03/20/2011	09:48:59	3		0.0	8.42		523.7			
03/20/2011	09:49:16	2		0.0	8.42		523.7		Drop Bomb	
03/20/2011	09:49:17	2		0.0	8.42		523.7		Wait 10 Min	
03/20/2011	09:50:39	3		0.0	8.41		523.7			
03/20/2011	09:52:19	18		0.9	8.41		523.9			
03/20/2011	09:53:05	39		1.5	8.40		524.5		DV opened	
03/20/2011	09:53:14	112		1.9	8.39		524.8		@ 800psi	
03/20/2011	09:53:30	148		3.0	8.39		525.5		End 1st Stage	
03/20/2011	09:53:59	136		3.0	8.39		527.0			
03/20/2011	09:55:39	161		3.0	8.39		532.0			
03/20/2011	09:57:19	45		0.0	8.38		533.9			
03/20/2011	09:58:59	8		0.0	8.38		533.9			
03/20/2011	10:00:39	3		0.0	8.39		533.9			
03/20/2011	10:02:19	359		0.0	8.38		533.9			
03/20/2011	10:03:59	354		5.1	8.38		534.4			
03/20/2011	10:05:39	86		5.6	8.39		543.6			
03/20/2011	10:07:19	2		0.0	8.39		544.0			
03/20/2011	10:08:59	3		0.0	8.39		544.0			
03/20/2011	10:10:39	3		0.0	8.39		544.0			
03/20/2011	10:12:19	3		0.0	8.38		544.0			
03/20/2011	10:13:59	3		0.0	8.38		544.0			
03/20/2011	10:15:39	3		0.0	8.37		544.0			
03/20/2011	13:13:59	2		0.0	8.35		544.0			
03/20/2011	13:15:39	2		0.0	8.35		544.0			
03/20/2011	13:17:19	2		0.0	8.35		544.0			
03/20/2011	13:18:59	2		0.0	8.35		544.0			
03/20/2011	13:20:39	57		1.8	8.37		544.2			
03/20/2011	13:22:19	3		0.0	8.36		547.0			
03/20/2011	13:23:59	2		0.0	8.36		547.0			
03/20/2011	13:25:39	2		0.0	8.36		547.0			
03/20/2011	13:27:19	2		0.0	8.36		547.0			
03/20/2011	13:28:59	2		0.0	8.36		547.0			
03/20/2011	13:30:39	2		0.0	8.35		547.0			
03/20/2011	13:30:47	2		0.0	8.36		547.0		Start 2nd Stage	
03/20/2011	13:32:19	2		0.0	8.35		547.0			
03/20/2011	13:33:59	3		0.0	8.35		547.0			
03/20/2011	13:35:39	198		5.2	8.35		551.1			
03/20/2011	13:37:19	194		5.2	8.34		559.8			
03/20/2011	13:38:59	23		2.3	8.34		568.1			
03/20/2011	13:40:39	64		0.0	8.34		568.2			
03/20/2011	13:42:19	355		5.7	12.67		571.1			
03/20/2011	13:43:00	528		7.7	12.88		575.7		Start Cement Slurry	
03/20/2011	13:43:01	528		7.7	12.88		575.8		204bbls @ 12.8ppg	
03/20/2011	13:43:59	524		7.7	13.09		583.2			
03/20/2011	13:45:39	519		7.7	13.25		596.0			
03/20/2011	13:47:19	541		7.7	13.23		608.8			

Well			Field		Job Start	Customer		Job Number
RG 523-14-298			Ryan Gulch		Mar/20/2011	WILLIAMS		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/20/2011	13:50:39	496	7.7	12.90	634.0			
03/20/2011	13:52:19	547	7.7	13.30	646.8			
03/20/2011	13:53:59	534	7.7	13.13	659.6			
03/20/2011	13:55:39	492	7.7	12.98	672.4			
03/20/2011	13:57:19	511	7.7	13.03	685.2			
03/20/2011	13:58:59	546	7.7	13.24	698.0			
03/20/2011	14:00:39	546	7.7	13.21	710.8			
03/20/2011	14:02:19	527	7.7	12.85	723.5			
03/20/2011	14:03:59	544	7.7	12.95	736.3			
03/20/2011	14:05:39	550	7.7	13.05	749.1			
03/20/2011	14:07:19	382	6.9	13.07	760.9			
03/20/2011	14:07:51	722	6.9	13.23	764.6	End Cement Slurry		
03/20/2011	14:07:53	678	6.9	13.23	764.8	Drop Closing Plug		
03/20/2011	14:08:59	38	3.0	13.52	772.3			
03/20/2011	14:10:39	60	0.0	13.47	772.4			
03/20/2011	14:12:19	60	0.0	13.44	772.4			
03/20/2011	14:13:59	47	0.0	13.38	772.4			
03/20/2011	14:15:39	189	4.3	8.90	775.6			
03/20/2011	14:17:15	288	5.2	8.68	783.5	96bbls Water		
03/20/2011	14:17:19	312	5.2	8.67	783.9			
03/20/2011	14:18:59	214	5.3	8.49	792.6			
03/20/2011	14:20:39	229	5.4	8.35	801.5			
03/20/2011	14:22:19	425	5.4	8.35	810.5			
03/20/2011	14:23:59	293	3.9	8.35	818.0			
03/20/2011	14:25:39	271	3.9	8.35	824.5			
03/20/2011	14:27:19	360	3.9	8.35	831.0			
03/20/2011	14:28:59	235	1.1	8.35	835.7			
03/20/2011	14:30:39	263	1.1	8.35	837.5			
03/20/2011	14:32:19	238	1.1	8.35	839.3			
03/20/2011	14:33:59	275	1.1	8.35	841.1			
03/20/2011	14:35:39	262	1.1	8.35	842.9			
03/20/2011	14:37:19	275	1.1	8.35	844.8			
03/20/2011	14:38:59	275	1.1	8.35	846.6			
03/20/2011	14:40:39	287	1.1	8.35	848.4			
03/20/2011	14:42:19	295	1.1	8.36	850.2			
03/20/2011	14:43:59	277	1.1	8.36	852.0			
03/20/2011	14:45:39	307	1.1	8.36	853.8			
03/20/2011	14:47:19	301	1.1	8.35	855.6			
03/20/2011	14:48:59	308	1.1	8.35	857.4			
03/20/2011	14:50:39	328	1.1	8.36	859.2			
03/20/2011	14:52:19	319	1.1	8.36	861.0			
03/20/2011	14:53:59	334	1.1	8.36	862.9			
03/20/2011	14:55:39	346	1.1	8.36	864.7			
03/20/2011	14:57:19	335	1.1	8.36	866.5			
03/20/2011	14:58:59	343	1.1	8.36	868.3			
03/20/2011	15:00:39	691	1.1	8.36	870.1			
03/20/2011	15:02:19	1572	0.0	8.36	870.6			
03/20/2011	15:03:59	1570	0.0	8.36	870.6			
03/20/2011	15:05:39	4	0.0	8.36	870.6			
03/20/2011	15:07:19	4	0.0	8.36	870.6			
03/20/2011	15:08:23	4	0.0	8.36	870.6	120bbls To Surface		
03/20/2011	15:08:59	4	0.0	8.36	870.6			
03/20/2011	15:09:44	4	0.0	8.36	870.6	End Job		

<b>Well</b> RG 523-14-298	<b>Field</b> Ryan Gulch	<b>Job Start</b> Mar/20/2011	<b>Customer</b> WILLIAMS	<b>Job Number</b>
------------------------------	----------------------------	---------------------------------	-----------------------------	-------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 4.9	N2		Mud 0.0	Maximum Rate 7.8	Total Slurry 870.6	Mud 0.0		Spacer 21.9	N2
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 3289	Final 0	Average 296	Bump Plug to 1500	Breakdown	Type		Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 512.0 bbl		Displacement 594.8 bbl		Mix Water Temp 50 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 120.0 bbl
								Washed Thru Perfs <input type="checkbox"/>	To ft
Customer or Authorized Representative BRENT BASCOM				Schlumberger Supervisor Jason Crick				Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
								-	-