

Well RGU 441-25-198		Client Williams		
Field Ryan Gulch	SIR No. BAD4-00653	Job Type 9 5/8" 2-Stage Surface		
Engineer Ryan Bowditch	Job Date 04-30-2011			
Country United States				
Time	Pressure	Rate	Density	Messages
04/30/2011 15:49:39				
15:49:39				2 bbls water ahead Pressure test = good 500 psi pressure test Pressure Test Lines pressure test = good 4000 psi pressure test Pressure Test Lines 40 bbls water ahead Start Pumping Water End Water Start Mixing Scav Slurry 265 bbls Tail Slurry Tail @ 12.8 ppg Start Mixing Lead Slurry End Scavenger Slurry Good returns End Lead Slurry Reset Total, Vol = 312.81 bbl Drop Top Plug Start Displacement 313 bbl water displacement Good Returns Bump Top Plug End Displacement 313 bbl Displacement Lift pressure = 680 psi Bump pressure 1160 psi Float held Drop Opening Bomb Opened DV tool Circulate 10 bbls water Stopped Acquisition Started Acquisition Pressure Test Lines 500 psi Pressure Test Pressure test = good Pressure Test Lines 4000 psi pressure test Pressure test = good Start Pumping Water 40 bbls water ahead End Water Reset Total, Vol = 380.18 bbl Start Mixing Tail Slurry 378 bbls Tail Slurry Tail @ 12.8 ppg Good Returns End Tail Slurry Reset Total, Vol = 382.73 bbl Drop Top Plug Start Displacement 144 bbl displacement Good Returns Bump Top Plug End Displacement 144 bbl displacement Lift pressure = 500 psi Bump to 1500 psi Floats held 144 bbls cement to surface Top off cement 17 bbls cement pumped to top off
16:25:00				
17:00:00				
17:35:00				
18:10:00				
18:20:00				
21:45:00				
22:15:00				
22:45:00				
23:15:00				
23:45:00				
00:15:00				
00:30:00				
04:30:00				
05:32:31				
hh:mm:ss 05/01/2011 05:32:31				

				Customer Williams			Job Number BAD4-00653				
Well RGU 441-25-198			Location (legal)		Schlumberger Location Grand Junction, CO			Job Start Apr/30/2011			
Field Ryan Gulch		Formation Name/Type Shale		Deviation deg	Bit Size 13.8 in		Well MD 4098.0 ft		Well TVD ft		
County Rio Blanco		State/Province Colorado		BHP psi	BHST 122 degF		BHCT 89 degF		Pore Press. Gradient lb/gal		
Well Master 0631274324		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		18.6	94.0				
				4098.0		9.6	36.0		J55	8RD	
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 9 5/8" 2-Stage Surface										
Max. Allowed Tub. Press 3000 psi		Max. Allowed Ann. Press 500 psi		WH Connection Single Cement head	Perforations/Open Hole						
					Top, ft	Bottom, ft	shot/ft		No. of Shots	Total Interval ft	
					ft	ft					
					ft	ft				Diameter in	
					Treat Down Casing		Displacement 313.0 bbl		Packer Type		Packer Depth ft
					Tubing Vol. bbl		Casing Vol. 316.0 bbl		Annular Vol. bbl		Openhole Vol. bbl
Service Instructions Cement 9 5/8" 2-Stage Surface with: 40 bbls Water 265 bbls 12.8 ppg Cement (870 sks) Displace 313 bbls Water Second Stage: 40 bbls Water 378 bbls 12.8 ppg Cement (1240 sks) Displace 143 bbls Water											
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job				
Lift Pressure 680 psi				Shoe Type Guide			Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 4098.0 ft			Tool Type				
No. Centralizers		Top Plugs 1		Bottom Plugs		Stage Tool Type DV		Tool Depth ft			
Cement Head Type Single						Stage Tool Depth 1870.0 ft		Tail Pipe Size in			
Job Scheduled For Apr/30/2011		Arrived on Location Apr/30/2011		Leave Location Apr/30/2011		Collar Type Float		Tail Pipe Depth ft			
						Collar Depth 4054.0 ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
04/30/2011	15:49:39	0	0.0	8.66	0.0	Started Acquisition					
04/30/2011	15:49:42	0	0.0	8.66	0.0	2 bbls water ahead					
04/30/2011	15:51:19	-0	0.0	8.66	0.0						
04/30/2011	15:52:59	56	2.5	8.66	1.8						
04/30/2011	15:54:00	961	0.0	8.67	1.9	Pressure test = good					
04/30/2011	15:54:39	938	0.0	8.67	1.9						
04/30/2011	15:56:00	3823	0.0	8.67	1.9	pressure test = good					
04/30/2011	15:56:19	3819	0.0	8.67	1.9						
04/30/2011	15:57:59	34	0.5	8.67	1.9						
04/30/2011	15:58:34	110	2.3	8.66	3.1	40 bbls water ahead					
04/30/2011	15:59:39	322	7.0	8.67	9.3						
04/30/2011	16:01:19	340	7.0	8.67	20.9						
04/30/2011	16:02:59	339	7.0	8.67	32.6						
04/30/2011	16:04:39	51	0.0	8.67	42.7						
04/30/2011	16:05:00	64	0.0	8.67	42.7	End Water					
04/30/2011	16:06:19	63	0.0	8.66	42.7						
04/30/2011	16:07:59	63	0.0	8.67	42.7						
04/30/2011	16:09:09	165	2.3	12.27	43.8	Start Mixing Scav Slurry					
04/30/2011	16:09:11	163	2.3	12.28	43.9	265 bbls Tail Slurry					
04/30/2011	16:09:39	255	4.2	12.47	45.2						
04/30/2011	16:11:19	614	8.3	13.19	57.2						

Well			Field		Job Start		Customer		Job Number	
RGU 441-25-198			Ryan Gulch		Apr/30/2011		Williams		BAD4-00653	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
04/30/2011	16:14:39	516	7.9	12.83	83.5					
04/30/2011	16:16:19	484	8.0	12.96	96.8					
04/30/2011	16:17:59	428	8.0	12.81	110.1					
04/30/2011	16:19:39	431	8.0	12.91	123.4					
04/30/2011	16:21:00	436	8.0	12.79	134.2	Start Mixing Lead Slurry				
04/30/2011	16:21:01	436	8.0	12.79	134.3	End Scavenger Slurry				
04/30/2011	16:21:19	442	8.0	12.78	136.7					
04/30/2011	16:22:59	423	8.0	12.79	150.0					
04/30/2011	16:24:39	435	8.0	12.85	163.4					
04/30/2011	16:26:19	435	8.0	12.79	176.7					
04/30/2011	16:27:59	430	8.0	12.75	190.1					
04/30/2011	16:29:39	421	8.0	12.50	203.4					
04/30/2011	16:31:19	422	8.0	12.67	216.8					
04/30/2011	16:32:59	204	5.2	12.63	227.5					
04/30/2011	16:34:39	416	8.0	12.60	240.0					
04/30/2011	16:36:19	443	8.0	12.83	253.2					
04/30/2011	16:37:59	435	8.1	12.85	266.6					
04/30/2011	16:39:09	434	8.0	12.87	276.0	Good returns				
04/30/2011	16:39:39	429	8.1	12.88	280.0					
04/30/2011	16:41:19	444	8.0	12.85	293.4					
04/30/2011	16:42:20	471	8.1	12.80	301.6	End Lead Slurry				
04/30/2011	16:42:59	479	8.1	12.64	306.9					
04/30/2011	16:44:39	4	0.0	13.61	312.2					
04/30/2011	16:46:19	17	0.0	13.65	312.2					
04/30/2011	16:47:29	31	1.8	10.08	312.8	Reset Total, Vol = 312.81 bbl				
04/30/2011	16:47:31	35	1.8	9.85	312.9	Drop Top Plug				
04/30/2011	16:47:32	35	1.8	9.62	312.9	Start Displacement				
04/30/2011	16:47:59	109	4.6	8.95	314.3					
04/30/2011	16:48:05	103	4.6	8.97	314.8	313 bbl water displacement				
04/30/2011	16:49:39	72	4.8	9.43	322.1					
04/30/2011	16:51:19	87	4.6	8.88	329.7					
04/30/2011	16:52:59	90	4.5	8.74	337.3					
04/30/2011	16:54:39	84	4.8	8.46	344.8					
04/30/2011	16:56:19	290	8.3	8.67	357.2					
04/30/2011	16:57:59	289	8.2	8.67	370.9					
04/30/2011	16:59:39	283	8.2	8.67	384.7					
04/30/2011	17:01:19	289	8.2	8.67	398.4					
04/30/2011	17:02:59	295	8.3	8.67	412.2					
04/30/2011	17:04:39	286	8.3	8.67	426.0					
04/30/2011	17:06:19	279	8.2	8.67	439.7					
04/30/2011	17:07:59	81	4.2	8.67	451.5					
04/30/2011	17:09:39	-21	0.0	-0.02	459.7					
04/30/2011	17:11:19	86	4.3	8.62	468.3					
04/30/2011	17:12:59	98	4.3	8.66	475.4					
04/30/2011	17:14:39	341	8.2	8.67	483.1					
04/30/2011	17:16:19	368	7.9	8.67	496.6					
04/30/2011	17:17:59	430	7.9	8.67	509.9					
04/30/2011	17:19:39	480	7.9	8.67	523.1					
04/30/2011	17:21:19	507	7.5	8.67	536.1					
04/30/2011	17:22:59	555	7.5	8.67	548.5					
04/30/2011	17:24:39	605	7.5	8.67	561.0					
04/30/2011	17:26:19	550	7.0	8.67	573.5					
04/30/2011	17:27:59	587	6.0	8.67	583.4					
04/30/2011	17:29:39	638	6.0	8.67	593.4					

Well			Field		Job Start		Customer		Job Number	
RGU 441-25-198			Ryan Gulch		Apr/30/2011		Williams		BAD4-00653	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
04/30/2011	17:32:59	631	4.1	8.67	610.3					
04/30/2011	17:34:39	664	4.1	8.67	617.1					
04/30/2011	17:36:19	688	4.1	8.67	623.9					
04/30/2011	17:37:59	664	2.3	8.67	630.2					
04/30/2011	17:39:39	661	2.3	8.67	633.9					
04/30/2011	17:41:19	693	2.3	8.67	637.7					
04/30/2011	17:42:59	1177	0.0	8.67	641.0					
04/30/2011	17:43:34	1164	0.0	8.68	641.0	Bump Top Plug				
04/30/2011	17:43:35	1164	0.0	8.67	641.0	End Displacement				
04/30/2011	17:43:36	1162	0.0	8.68	641.0	313 bbl Displacement				
04/30/2011	17:43:37	1156	0.0	8.68	641.0	Bump pressure 1160 psi				
04/30/2011	17:44:39	735	0.0	8.68	641.0					
04/30/2011	17:46:11	-5	0.0	8.68	641.3	Float held				
04/30/2011	17:46:19	-5	0.0	8.67	641.3					
04/30/2011	17:47:59	-3	0.0	8.68	641.3					
04/30/2011	17:49:39	-3	0.0	8.68	641.3					
04/30/2011	17:51:19	-2	0.0	8.68	641.3					
04/30/2011	17:52:59	-1	0.0	8.68	641.3					
04/30/2011	17:54:39	1	0.0	8.68	641.3					
04/30/2011	17:56:19	1	0.0	8.68	641.3					
04/30/2011	17:57:59	1	0.0	8.68	641.3					
04/30/2011	17:59:39	1	0.0	8.68	641.3					
04/30/2011	18:01:19	131	0.2	8.68	641.8					
04/30/2011	18:02:29	182	0.5	8.68	642.2	Opened DV tool				
04/30/2011	18:02:30	182	0.5	8.68	642.2	Circulate 10 bbls water				
04/30/2011	18:02:59	269	4.9	8.67	643.4					
04/30/2011	18:04:39	291	4.9	8.68	651.5					
04/30/2011	18:06:19	3	0.0	8.68	652.2					
04/30/2011	21:59:39	-1	0.0	8.40	652.2					
04/30/2011	22:01:19	-1	0.0	8.39	652.2					
04/30/2011	22:02:59	-1	0.0	8.39	652.2					
04/30/2011	22:04:39	-2	0.0	8.39	652.2					
04/30/2011	22:06:19	-2	0.0	8.39	652.2					
04/30/2011	22:07:59	45	1.5	8.39	652.3					
04/30/2011	22:09:39	24	0.0	8.40	655.3					
04/30/2011	22:10:29	1097	0.2	8.40	655.3	Pressure Test Lines				
04/30/2011	22:10:30	1097	0.1	8.40	655.3	500 psi Pressure Test				
04/30/2011	22:11:19	2174	0.0	8.40	655.3					
04/30/2011	22:11:59	4055	0.0	8.40	655.3	Pressure Test Lines				
04/30/2011	22:12:00	4055	0.0	8.40	655.3	Pressure test = good				
04/30/2011	22:12:59	10	0.0	8.40	655.3					
04/30/2011	22:14:01	62	2.5	8.40	656.5	Start Pumping Water				
04/30/2011	22:14:02	62	2.5	8.40	656.5	40 bbls water ahead				
04/30/2011	22:14:39	160	5.0	8.40	658.5					
04/30/2011	22:16:19	163	5.0	8.40	666.8					
04/30/2011	22:17:59	231	6.4	8.40	676.9					
04/30/2011	22:19:39	155	4.5	8.40	687.5					
04/30/2011	22:21:04	150	3.5	8.40	692.4	End Water				
04/30/2011	22:21:13	196	4.1	11.36	693.0	Reset Total, Vol = 380.18 bbl				
04/30/2011	22:21:19	184	5.0	12.59	693.5					
04/30/2011	22:22:22	256	5.1	12.85	698.8	Start Mixing Tail Slurry				
04/30/2011	22:22:24	276	5.1	12.84	699.0	378 bbls Tail Slurry				
04/30/2011	22:22:25	265	5.1	12.84	699.0	Tail @ 12.8 ppg				
04/30/2011	22:22:59	249	5.0	12.88	701.9					

Well			Field		Job Start	Customer		Job Number
RGU 441-25-198			Ryan Gulch		Apr/30/2011	Williams		BAD4-00653
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/30/2011	22:25:22	470	8.0	12.80	717.8	Good Returns		
04/30/2011	22:26:19	448	8.0	12.78	725.4			
04/30/2011	22:27:59	438	8.0	12.81	738.3			
04/30/2011	22:29:39	462	8.0	12.86	751.6			
04/30/2011	22:31:19	501	8.0	12.86	764.8			
04/30/2011	22:32:59	452	8.0	12.89	778.2			
04/30/2011	22:34:39	462	8.0	12.91	791.5			
04/30/2011	22:36:19	447	8.0	12.89	804.8			
04/30/2011	22:37:59	446	8.0	12.84	818.1			
04/30/2011	22:39:39	433	8.0	12.81	831.5			
04/30/2011	22:41:19	462	8.0	12.82	844.8			
04/30/2011	22:42:59	486	8.0	12.88	858.1			
04/30/2011	22:44:39	490	8.0	12.87	871.4			
04/30/2011	22:46:19	352	6.6	12.84	882.8			
04/30/2011	22:47:59	337	6.5	12.80	893.7			
04/30/2011	22:49:39	343	6.5	12.79	904.6			
04/30/2011	22:51:19	336	6.5	12.84	915.5			
04/30/2011	22:52:59	360	6.5	12.84	926.3			
04/30/2011	22:54:39	486	8.0	12.87	939.2			
04/30/2011	22:56:19	489	8.0	12.85	952.5			
04/30/2011	22:57:59	473	8.0	12.84	965.8			
04/30/2011	22:59:39	498	8.0	12.79	979.1			
04/30/2011	23:01:19	489	8.0	12.83	992.4			
04/30/2011	23:02:59	475	8.0	12.82	1005.7			
04/30/2011	23:04:39	482	8.0	12.79	1019.0			
04/30/2011	23:06:19	498	8.0	12.76	1032.3			
04/30/2011	23:07:59	506	8.0	12.78	1045.6			
04/30/2011	23:09:39	498	8.0	12.81	1058.9			
04/30/2011	23:10:18	532	8.0	12.78	1064.1	End Tail Slurry		
04/30/2011	23:11:19	551	8.0	12.76	1072.2			
04/30/2011	23:12:59	12	0.0	12.88	1073.2			
04/30/2011	23:14:39	16	0.0	12.80	1073.2			
04/30/2011	23:16:19	14	0.0	12.66	1073.2			
04/30/2011	23:17:59	13	0.0	12.55	1073.3			
04/30/2011	23:19:39	13	0.0	12.54	1073.3			
04/30/2011	23:21:17	137	3.6	9.03	1075.7	Reset Total, Vol = 382.73 bbl		
04/30/2011	23:21:19	148	3.6	9.01	1075.8	Drop Top Plug		
04/30/2011	23:21:20	148	3.6	9.00	1075.9	Start Displacement		
04/30/2011	23:21:22	152	3.6	9.00	1076.0	144 bbl displacement		
04/30/2011	23:22:59	292	6.5	8.70	1084.6			
04/30/2011	23:24:39	195	3.9	8.44	1094.6			
04/30/2011	23:26:19	199	3.5	8.44	1100.5			
04/30/2011	23:27:59	195	3.5	8.41	1106.3			
04/30/2011	23:29:39	273	3.5	8.40	1112.1			
04/30/2011	23:31:19	229	3.5	8.40	1118.0			
04/30/2011	23:32:59	260	3.5	8.39	1123.8			
04/30/2011	23:34:39	285	3.5	8.39	1129.6			
04/30/2011	23:36:19	283	3.5	8.36	1135.4			
04/30/2011	23:37:59	295	3.5	8.29	1141.2			
04/30/2011	23:39:39	308	3.5	8.39	1147.1			
04/30/2011	23:41:19	317	3.5	8.39	1152.9			
04/30/2011	23:42:59	355	3.4	8.39	1158.6			
04/30/2011	23:44:39	360	3.5	8.40	1164.3			
04/30/2011	23:46:19	385	3.5	8.40	1170.1			

Well			Field		Job Start	Customer		Job Number
RGU 441-25-198			Ryan Gulch		Apr/30/2011	Williams		BAD4-00653
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/30/2011	23:49:39	417	3.5	8.40	1181.6			
04/30/2011	23:51:19	459	3.5	8.40	1187.4			
04/30/2011	23:52:59	425	3.5	8.40	1193.2			
04/30/2011	23:54:39	429	3.5	8.40	1198.9			
04/30/2011	23:56:19	506	3.4	8.40	1204.7			
04/30/2011	23:57:59	518	3.5	8.40	1210.4			
04/30/2011	23:59:39	432	2.0	8.40	1214.9			
05/01/2011	00:01:19	484	2.0	8.40	1218.2			
05/01/2011	00:02:59	482	2.0	8.40	1221.5			
05/01/2011	00:04:39	492	2.0	8.40	1224.7			
05/01/2011	00:06:19	1483	0.0	8.40	1227.6			
05/01/2011	00:07:59	1493	0.0	8.40	1227.6			
05/01/2011	00:08:00	1492	0.0	8.40	1227.6	Bump Top Plug		
05/01/2011	00:08:01	1493	0.0	8.40	1227.6	End Displacement		
05/01/2011	00:08:04	1492	0.0	8.40	1227.6	144 bbl displacement		
05/01/2011	00:08:51	23	0.0	8.40	1227.6	Floats held		
05/01/2011	00:09:39	-1	0.0	8.40	1227.6			
05/01/2011	04:46:19	-3	0.0	8.40	1227.6			
05/01/2011	04:47:59	-3	0.0	8.40	1227.6			
05/01/2011	04:49:39	-3	0.0	8.40	1227.6			
05/01/2011	04:51:19	-6	0.0	8.40	1227.6			
05/01/2011	04:52:59	-5	0.0	8.41	1227.6			
05/01/2011	04:54:39	5	0.7	8.40	1228.1			
05/01/2011	04:56:19	-5	0.0	8.40	1228.1			
05/01/2011	04:57:59	-5	0.0	8.40	1228.1			
05/01/2011	04:59:39	39	2.2	10.76	1229.1			
05/01/2011	05:01:19	47	1.4	14.68	1232.1			
05/01/2011	05:02:59	86	2.2	14.53	1234.9			
05/01/2011	05:04:39	83	2.3	14.41	1238.7			
05/01/2011	05:06:19	84	2.3	14.72	1242.5			
05/01/2011	05:07:59	-0	0.0	14.52	1245.0			
05/01/2011	05:09:39	76	1.9	13.53	1246.5			
05/01/2011	05:11:19	108	2.9	11.24	1250.2			
05/01/2011	05:12:59	-1	0.0	10.56	1251.2			
05/01/2011	05:14:39	52	2.3	9.80	1253.3			
05/01/2011	05:16:19	69	2.7	8.83	1257.4			
05/01/2011	05:17:59	92	3.6	8.49	1263.1			
05/01/2011	05:19:39	91	3.5	8.42	1268.9			
05/01/2011	05:21:19	77	3.5	8.40	1274.8			
05/01/2011	05:22:59	144	0.0	8.40	1277.9			
05/01/2011	05:24:39	-5	0.0	8.40	1277.9			
05/01/2011	05:25:00	-4	0.0	8.40	1277.9	17 bbls cement pumped to top off		
05/01/2011	05:26:19	-0	0.0	8.40	1277.9			
05/01/2011	05:27:59	-1	0.0	8.40	1277.9			
05/01/2011	05:29:39	-1	0.0	8.40	1277.9			

Well RGU 441-25-198	Field Ryan Gulch	Job Start Apr/30/2011	Customer Williams	Job Number BAD4-00653
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.2	N2		Mud	Maximum Rate 8.0	Total Slurry 660.0	Mud 0.0		Spacer 80.0	N2
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 4103	Final -1	Average 354	Bump Plug to 1250	Breakdown	Type		Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 643.0 bbl		Displacement 458.0 bbl		Mix Water Temp 65 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 144.0 bbl
								Washed Thru Perfs <input type="checkbox"/>	To ft
Customer or Authorized Representative Andrew Bunk				Schlumberger Supervisor Ryan Bowditch				Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
								-	-