HALLIBURTON

BILL BARRETT CORPORATION E-BILL

GGU FED 23B-20-691
MAMM CREEK
Garfield County , Colorado

Cement Surface Casing

07-Jun-2011

Post Job Report

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492	**Ship To #:** 2858124	**Quote #:**	**Sales Order #:** 8229199
Customer: BILL BARRETT CORPORATION E-BILL		**Customer Rep:**	
Well Name: GGU FED	**Well #:** 23B-20-691		**API/UWI #:**
Field: MAMM CREEK	**City (SAP):** SILT	**County/Parish:** Garfield	**State:** Colorado
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.419 secs.		**Long:** W 107.575 deg. OR W -108 deg. 25 min. 30.616 secs.	
Contractor: Pro Petro	**Rig/Platform Name/Num:** Pro Petro		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: METLI, MARSHALL	**Srvc Supervisor:** KUKUS, CRAIG	**MBU ID Emp #:** 369124	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURKE, BRENDAN Patrick	13	487782	KUKUS, CRAIG A	13	369124	SMITH, DUSTIN Michael	13 418	015
WYCKOFF, RYAN Scott	13	476117						

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
10829469	mile	10867423	mile	10871245	mile	10897887	mile
11360881	mile						

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
6/6/11 .5		0	6/7/11	12.5	2			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	860. ft	**Job Depth TVD**	860. ft
Water Depth		**Wk Ht Above Floor**	4. ft
Perforation Depth (MD)	*From*		**To**

Job Times

Da	te	Time	Time Zone
Called Out	07 - Jun - 2011	01:00	MST
On Location			
Job Started	07 - Jun - 2011	11:17	MST
Job Completed	07 - Jun - 2011	12:06	MST
Departed Loc	07 - Jun - 2011	00:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread Gra	de	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft

Sales/Rental/3rd Party (HES)

Description Qty		Qty uom	Depth	Supplier
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe				**Packer**					**Top Plug**	9 5/8	1	HES
Float Shoe				**Bridge Plug**					**Bottom Plug**			
Float Collar				**Retainer**					**SSR plug set**			
Insert Float									**Plug Container**	9 5/8	1	HES
Stage Tool									**Centralizers**			

Miscellaneous Materials

Gelling Agt		**Conc**		**Surfactant**		**Conc**		**Acid Type**		**Qty**		*Conc*	*%*
Treatment Fld		**Conc**		*Inhibitor*		**Conc**		**Sand Type**		*Size*		*Qty*	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	**Stage Type**	**Fluid Name**	**Qty**	**Qty uom**	**Mixing Density lbm/gal**	**Yield ft3/sk**	**Mix Fluid Gal/sk**	**Rate bbl/min**	**Total Mix Fluid Gal/sk**
1	**Water Spacer**		**20.00**	**bbl**	**.**	**.0**	**.0**	**4**	
2	**Lead Cement**	**VERSACEM (TM) SYSTEM (452010) 127.0**		**sacks**	**12.3**	**2.38**	**13.75**	**5**	**13.75**
	13.75 Gal	FRESH WATER							
3	**Tail Cement**	**SWIFTCEM (TM) SYSTEM (452990) 120.0**		**sacks**	**14.2**	**1.43**	**6.85**	**5**	**6.85**
	6.85 Gal	FRESH WATER							
4	**Displacement**		**64.00**	**bbl**	**.**	**.0**	**.0**	**6**	

Calculated Values		Pressures		Volumes					
Displacement	62	**Shut In: Instant**		**Lost Returns**	0	*Cement Slurry*	94	**Pad**	
Top Of Cement	SURFACE	**5 Min**		**Cement Returns**	23	**Actual Displacement**	62	**Treatment**	
Frac Gradient		**15 Min**		**Spacers**	20	**Load and Breakdown**		**Total Job**	**166**

Rates							
Circulating	*NONE*	*Mixing*	5	*Displacement*	6	**Avg. Job**	5.5

Cement Left In Pipe	**Amount**	***46.01 ft***	*Reason*	***Shoe Joint***

Frac Ring # 1 @		*ID*		*Frac ring # 2 @*		*ID*		*Frac Ring # 3 @*		*ID*		*Frac Ring # 4 @*		*ID*	

The Information Stated Herein Is Correct	***Customer Representative Signature***

HALLIBURTON

Cementing Job Log

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Well Name: GGU FED	**Well #:** 23B-20-691		**API/UWI #:**
Field: MAMM CREEK	**City (SAP):** SILT	**County/Parish:** Garfield	**State:** Colorado
Legal Description:			
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.419 secs.		**Long:** W 107.575 deg. OR W -108 deg. 25 min. 30.616 secs.	
Contractor: Pro Petro	**Rig/Platform Name/Num:** Pro Petro		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: METLI, MARSHALL	**Srvc Supervisor:** KUKUS, CRAIG		**MBU ID Emp #:** 369124

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/07/2011 01:00							CREW ON LOCATION/WAITING FOR CEMENT FOR JOB
Depart Yard Safety Meeting	06/07/2011 08:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW/ CEMENT TRUCKS LEFT YARD
Arrive At Loc	06/07/2011 10:00							TRUCKS ARRIVE / RIG RUNNING CSG
Assessment Of Location Safety Meeting	06/07/2011 10:15							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	06/07/2011 10:30							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	06/07/2011 10:40							EXTEND RED IRON TO NEXTWELL
Circulate Well	06/07/2011 10:50							RIG DONEWITH CSG / NO CIRCULATION
Pre-Job Safety Meeting	06/07/2011 11:00							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	06/07/2011 11:17							TD 860 FT TP 840.15 FT SJ 46.25 FT OH 12 1/4 IN MUD WT 8.3# PIPE 9 5/8 IN J-55 36#
Other	06/07/2011 11:18	2		2			14.0	FILL LINES WITH FRESH WATER
Pressure Test	06/07/2011 11:20	0.5				4500.0		PRESSURE TEST GOOD
Pump Spacer 1	06/07/2011 11:22	4		20			46.0	FRESH WATER SPACER

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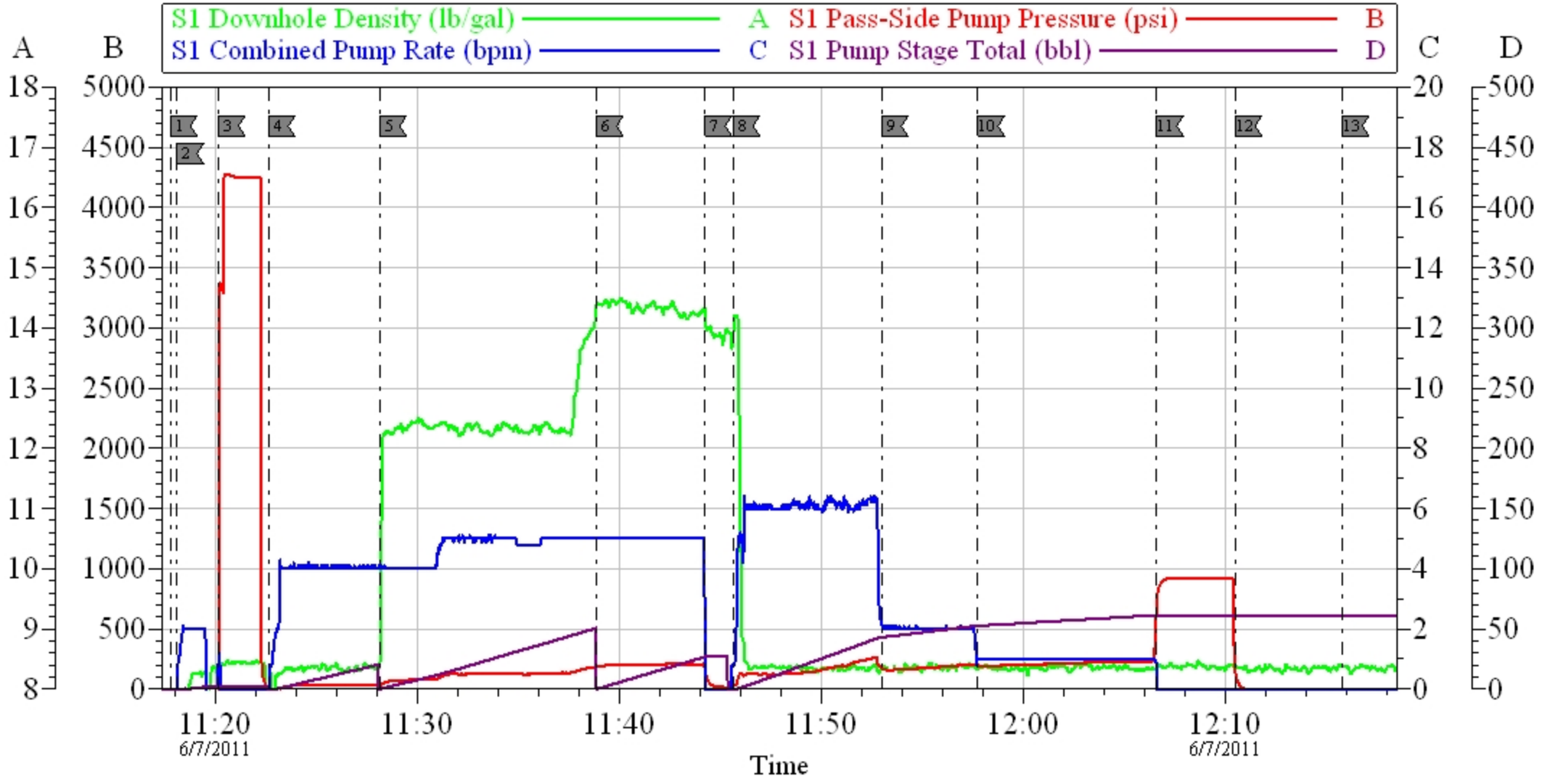
Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	06/07/2011 11:28	5		53.8			204.0	PUMP 127 SKS LEAD CEMENT AT 12.3 PPG 2.38 Y 13.75 GAL/SK
Pump Tail Cement	06/07/2011 11:38	5		30.5			223.0	PUMP 120 SKS TAIL CEMENT AT 14.2 PPG 1.43 Y 6.85 GAL/SK / AT 24 BBLS GONE TAIL CEMENT GOT RETURNS
Shutdown	06/07/2011 11:44							
Drop Top Plug	06/07/2011 11:44							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	06/07/2011 11:45	6		63.1			207.0	PUMP H20 DISPLACEMENT
Slow Rate	06/07/2011 11:52	2		40			180.0	SLOW RATE TO 22 BLL MIN AND 1 BBL MIN LAST 10 BLLS
Bump Plug	06/07/2011 12:06	1		63.1			935.0	PLUG LANDED AT 245 PSI / HAD GOOD RETURNS
Check Floats	06/07/2011 12:10							FLOATS HELD / GOT 1.5 BBLS BACK TO TANKS AND SHUT IN WELL
End Job	06/07/2011 12:15							GOT CEMENT BACK TO SURFACE 23 BBLS TOTAL
Pre-Rig Down Safety Meeting	06/07/2011 12:20							SAFETY MEETING INVOVLING THE ENTIRE CMT CREW
Rig-Down Equipment	06/07/2011 12:30							RIG LINE DOWN TO CLEAN UPLINE TO PIT
Safety Meeting - Departing Location	06/07/2011 13:25							CREW STAYED ON LOCATION FOR NEXT JOB
Comment	06/07/2011 13:30							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

BARRETT
SURFACE



Local Event Log

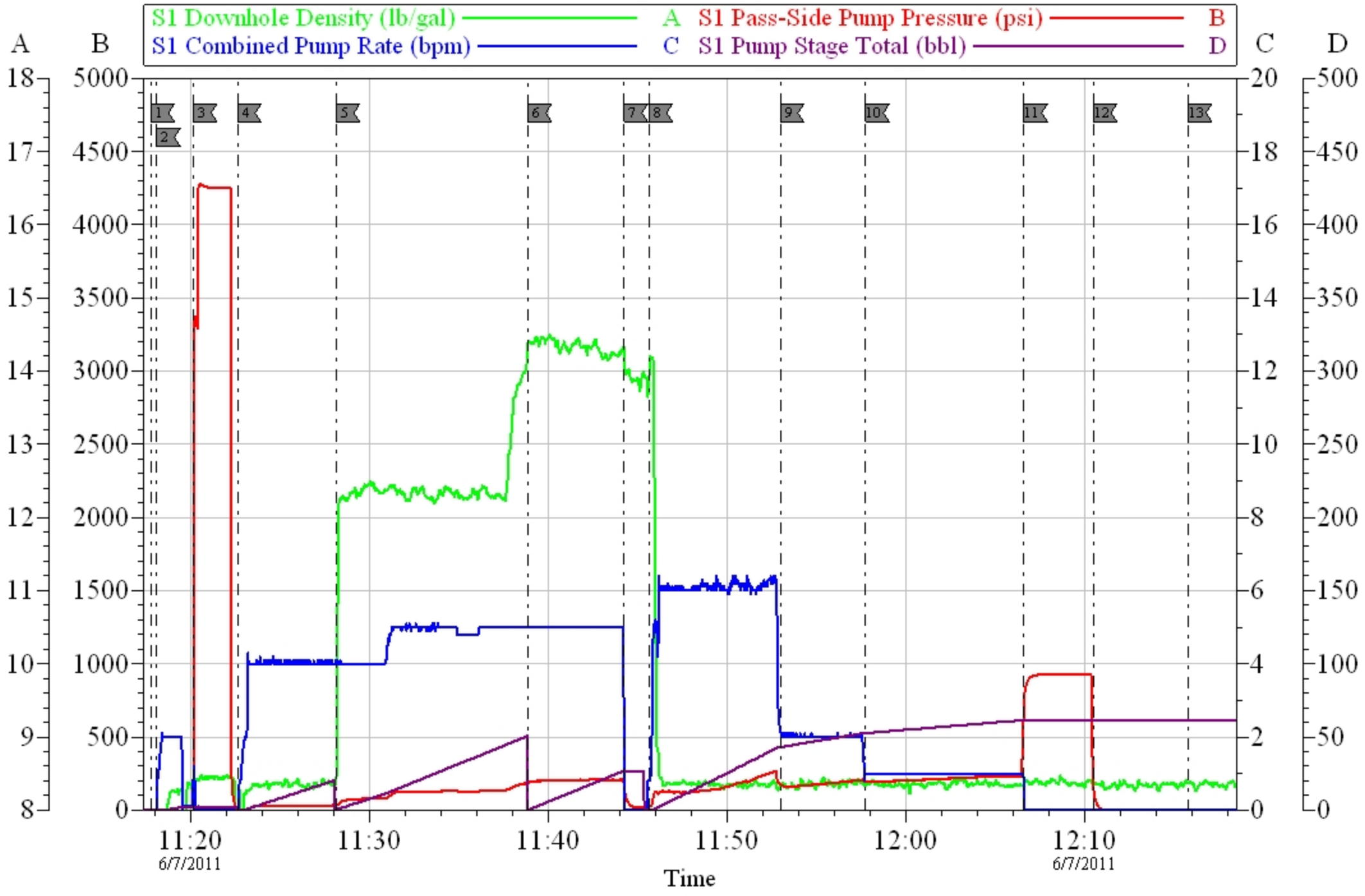
1	START JOB	11:17:47	2	PRIME LINES	11:18:07	3	PRESSURE TEST	11:20:10
4	PUMP H20 SPACER	11:22:38	5	PUMP LEAD CEMENT	11:28:09	6	PUMPTAIL CEMENT	11:38:53
7	SHUT DOWN/DROP PLUG	11:44:15	8	PUMP DISPLACEMENT	11:45:38	9	SLOW RATE	11:52:58
10	SLOW RATE	11:57:45	11	BUMP PLUG	12:06:36	12	CHECK FLOATS	12:10:29
13	END JOB	12:15:48						

Customer:	BARRETT	Job Date:	07-Jun-2011	Sales Order #:	8229199
Well Description:	GGU FED 23B-20-691	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	JOSH HENDERSON	Cement Supervisor:	CRAIG KUKUS	Elite #/Operator:	ELITE 8 BRENDAN BURKE

OptiCem v6.4.8
07-Jun-11 12:29

BARRETT

SURFACE



Customer:	BARRETT	Job Date:	07-Jun-2011	Sales Order #:	8229199
Well Description:	GGU FED 23B-20-691	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	JOSH HENDERSON	Cement Supervisor:	CRAIG KUKUS	Elite #/Operator:	ELITE 8 BRENDAN BURKE

OptiCem v6.4.8
07-Jun-11 12:33

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
	FILL LINES	2				
6	Test Lines	3500.0				
9	H2O Spacer	20.0		8.3		
13	LEAD CEMENT	53.8	127	12.3	2.38	13.75
15	TAIL CEMENT	30.5	120	14.2	1.43	6.85
	SHUTDOWN					
	DROP TOP PLUG					
25	H20 DISPLACE	61.3		8.3		
	SLOW RATE	40.0		2BBL		
	LAND PLUG	210.0	PLUS	500	OVER	
	CHECK FLOATS					
	END JOB		Do Not Overdisplace			

DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH	FLOAT COLLAR	BBL/FT	H2O REQ.
61.30	840.15	46.25	793.90	0.0773	200
PSI TO LIFT	363	******Use Mud Scales on Each Tier******			
Total Displacement	61.30				
CALCULATED PSI LAND		210	TOTAL FLUID PUMPED		166
Collapse	2020	Burst	3520	SO#	8229199

HALLIBURTON

Water Analysis Report

Company:	BARRETT	**Date:**	6/7/2011
Submitted by:	CRAIGKUKUS	**Date Rec.:**	6/7/2011
Attention:		**S.O.#**	9229199
Lease	GGU FED	**Job Type:**	SURFACE
Well #	23B-20-691		

Specific Gravity	*MAX*		
pH	*8*	7	
Potassium (K)	*5000*	250	Mg / L
Calcium (Ca)	*500*	0	Mg / L
Iron (FE2)	*300*	0	Mg / L
Chlorides (Cl)	*3000*	0	Mg / L
Sulfates (SO_4)	*1500*	below200	Mg / L
Chlorine (Cl_2)		120	Mg / L
Temp	*40-80*	65	Deg
Total Dissolved Solids		220	Mg / L

Respectfully: CRAIGKUKUS

Title: CEMENTING SUPERVISOR

Location: GRANDJUNCTION CO

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
8229199	10	6/7/2011
Customer:		**Job Type (BOM):**
BILL BARRETT CORPORATION E-BILL		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
JOSH HENDERSON		AFEYKOQLGWJNHKEEAAA
Well Name:		**Well Number:**
GGU JOLLEY		43C-20-691
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
No	Colorado	Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	**The date the survey was conducted**	**6/7/2011**
Survey Interviewer	**The survey interviewer is the person who initiated the survey.**	**CRAIG KUKUS (HX19742)**
Customer Participation	**Did the customer partipcipate in this survey? (Y/N)**	**Yes**
Customer Representative	**Enter the Customer representative name**	**JOSH HENDERSON**
HSE	**Was our HSE performance satisfactory? Circle Y or N**	**Yes**
Equipment	**Were you satisfied with our Equipment? Circle Y or N**	**Yes**
Personnel	**Were you satisfied with our people? Circle Y or N**	**Yes**
Customer Comment	**Customer's Comment**	
Job DVA	**Did we provide job DVA above our normal service today? Circle Y or N**	**No**
Time	**Please enter hours in decimal format to nearest quarter hour.**	
Other	**Enter short text for other efficiencies gained.**	
Customer Initials	**Customer's Initials**	
Please provide details	**Please describe how the job efficiencies were gained.**	

CUSTOMER SIGNATURE

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
8229199	10	6/7/2011
Customer:		**Job Type (BOM):**
BILL BARRETT CORPORATION E-BILL		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
JOSH HENDERSON		AFEYKOQLGWJNHKEEAAA
Well Name:		**Well Number:**
GGU JOLLEY		43C-20-691
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
No	Colorado	Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date The date the survey was conducted	6/7/2011

Cementing KPI Survey	
Type of Job Select the type of job. (Cementing or Non-Cementing)	0
Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	Vertical
Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	2
HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only.	No
Was the job purpose achieved? Was the job delivered correctly as per customer agreed design?	Yes
Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format.	1
Customer Non-Productive Rig Time (hrs) Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	0
Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On	Drilling Rig (Portable)
Number Of JSAs Performed Number Of Jsas Performed	6
Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time.	0
Was this a Primary Cement Job (Yes / No)	Yes

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:	**Line Item:**	**Survey Conducted Date:**
8229199	10	6/7/2011
Customer:		**Job Type (BOM):**
BILL BARRETT CORPORATION E-BILL		CMT SURFACE CASING BOM
Customer Representative:		**API / UWI: (leave blank if unknown)**
JOSH HENDERSON		AFEYKOQLGWJNHKEEAAA
Well Name:		**Well Number:**
GGU JOLLEY		43C-20-691
Well Type:	**Well Country:**	
Development Well	United States of America	
H2S Present:	**Well State:**	**Well County:**
No	Colorado	Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cment mixed at designed density divided by total BBLs of cement multiplied by 100	98
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	98
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0