
BILL BARRETT CORPORATION E-BILL

**GGU FED 33D-20-691
MAMM CREEK
Garfield County , Colorado**

**Cement Surface Casing
06-Jun-2011**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2858112	Quote #:	Sales Order #: 8227000
Customer: BILL BARRETT CORPORATION E-BILL	Customer Rep: Henderson, Josh		
Well Name: GGU FED	Well #: 33D-20-691	API/UWI #: 05-045-19517	
Field: MAMM CREEK	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
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	Srv 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	9	487782	KUKUS, CRAIG A	9	369124	SMITH, DUSTIN Michael	9	418015

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829469	120 mile	10867322	120 mile	10871245	120 mile	10998512	120 mile
11360881	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
6/5/11	2	0	6/6/11	7	1.5			
TOTAL			Total is the sum of each column separately					

Job

Job						Job Times					
Formation Name							Date	Time	Time Zone		
Formation Depth (MD)		Top			Bottom		Called Out	05 - Jun - 2011	18:30	MST	
Form Type					BHST		On Location	05 - Jun - 2011	20:30	MST	
Job depth MD		850. ft			Job Depth TVD		850. ft	Job Started	06 - Jun - 2011	04:48	MST
Water Depth					Wk Ht Above Floor		4. ft	Job Completed	06 - Jun - 2011	05:41	MST
Perforation Depth (MD)		From			To		Departed Loc	06 - Jun - 2011	07:00	MST	

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	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		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB		
PORT. DATA ACQUIS. W/OPTICEM RT W/HES	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 Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
Fluid #	Stage Type							

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /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)	150.0	sacks	12.3	2.38	13.75	5	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	SWIFTCES (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	5	6.85
	6.85 Gal	FRESH WATER							
4	Displacement		62.00	bbl	.	.0	.0	6	
Calculated Values		Pressures		Volumes					
Displacement	62	Shut In: Instant		Lost Returns	0	Cement Slurry	94.1	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	27	Actual Displacement	62	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	176
Rates									
Circulating	NONE	Mixing	5	Displacement	6	Avg. Job	5.5		
Cement Left In Pipe	Amount	45.15 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					

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2858112	Quote #:	Sales Order #: 8227000
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Henderson, Josh	
Well Name: GGU FED	Well #: 33D-20-691	API/UWI #: 05-045-19517	
Field: MAMM CREEK	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 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

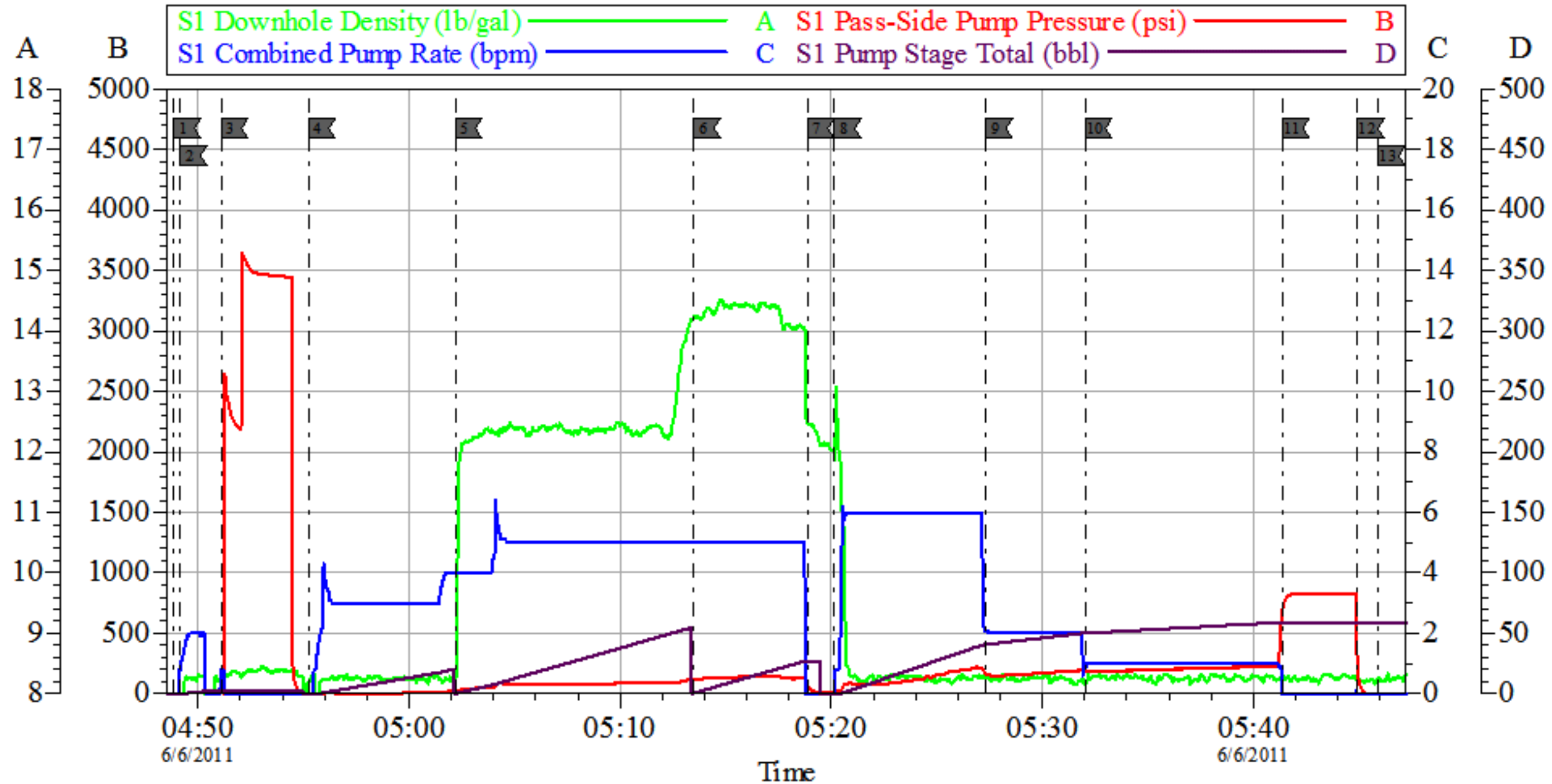
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	06/05/2011 18:30							ON LOCATION / RETURNED TO HES YARD FOR NEXT CEMENT LOAD AND RETURNED TO LOCATION
Depart Yard Safety Meeting	06/05/2011 20:00							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Arrive At Loc	06/05/2011 22:00							RIG STILL DRILLING
Assessment Of Location Safety Meeting	06/05/2011 22:15							ASSESSMENT OF LOCATION INVOLVING THE ENTIRE CMT CREW
Pre-Rig Up Safety Meeting	06/06/2011 03:20							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Up Equipment	06/06/2011 03:30							IRON RIGGED UP TO 33C WELL/EXTENDED RED IRON TO 33D
Circulate Well	06/06/2011 04:00							RIG DONE WITH RUNNING CSG/NO CIRCULATION
Pre-Job Safety Meeting	06/06/2011 04:30							SAFETY MEETING INVOLVING EVERYONE ON LOCATION
Start Job	06/06/2011 04:48							TD 850 FT TP 831.1 FT SJ 45.15 FT OH 12 1/4 IN MUD WT 8.3 # PIPE 9 5/8 IN 32.3 #
Other	06/06/2011 04:49		2	2			5.0	FILL LINES WITH FRESH WATER
Pressure Test	06/06/2011 04:51		0.5			4000.0		PRESSURE TEST GOOD

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	06/06/2011 04:55		4	20			45.0	FRESH WATER SPACER
Pump Lead Cement	06/06/2011 05:02		5	63.6			125.0	PUMP 150 SKS LEAD CEMENT AT 12.3 PPG 2.38 Y 13.75 GAL/SK
Pump Tail Cement	06/06/2011 05:13		5	30.5			159.0	PUMP 120 SKS TAIL CEMENT AT 14.2 PPG 1.43 Y 6.85 GAL/SK / GOT RETURNS AT 14 BBLs TAIL CEMENT GONE
Shutdown	06/06/2011 05:18							
Drop Top Plug	06/06/2011 05:18							PLUG LEFT THE PLUG CONTAINER
Pump Displacement	06/06/2011 05:20		6	61.8			233.0	PUMP H2O DISPLACEMENT / GOT RETURNS AT 14 BBLs GONE / HAD RETURNS THRU OUT REST OF JOB
Slow Rate	06/06/2011 05:27		2	40			206.0	SLOWED TO 1 BBL MIN LAST 10 BBLs 197 PSI
Bump Plug	06/06/2011 05:41		1	61			846.0	PLUG LANDED AT 250 PSI
Check Floats	06/06/2011 05:44							FLOATS HELD / GOT 1.5 BBL BACK TO TANKS
End Job	06/06/2011 05:45							GOT CEMENT BACK TO SURFACE AT 34 BBLs DISPLACEMENT GONE / TOTAL 27 BBLs BACK TO SURFACE
Pre-Rig Down Safety Meeting	06/06/2011 05:50							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW
Rig-Down Equipment	06/06/2011 06:00							RIG DOWN TO CLEAN UP LINE / CREW STAYED ON LOCATION / WAITED FOR NEXT LOAD TO BE LOADED AT HES LOCATION
Safety Meeting - Departing Location	06/06/2011 06:45							SAFETY MEETING INVOLVING THE ENTIRE CMT CREW

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Comment	06/06/2011 07:00							THANK YOU FOR USING HALLIBURTON, CRAIG KUKUS AND CREW

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
	FILL LINES	2				
6	Test Lines	4000.0				
9	H2O Spacer	20.0		8.3		
13	LEAD CEMENT	63.6	150	12.3	2.38	13.75
15	TAIL CEMENT	30.5	120	14.2	1.43	6.85
	SHUTDOWN					
	DROP TOP PLUG					
25	H2O DISPLACE	61.8		8.3		
	SLOW RATE	50.0				
	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.	
61.80	831.1	45.15	785.95	0.0787	200	
PSI TO LIFT	323	*****Use Mud Scales on Each Tier*****				
Total Displacement	61.80					
CALCULATED PSI LAND		210	TOTAL FLUID PUMPED		176	
Collapse	2270	Burst	1400	SO#	8227000	

BARRETT SURFACE 9 5/8



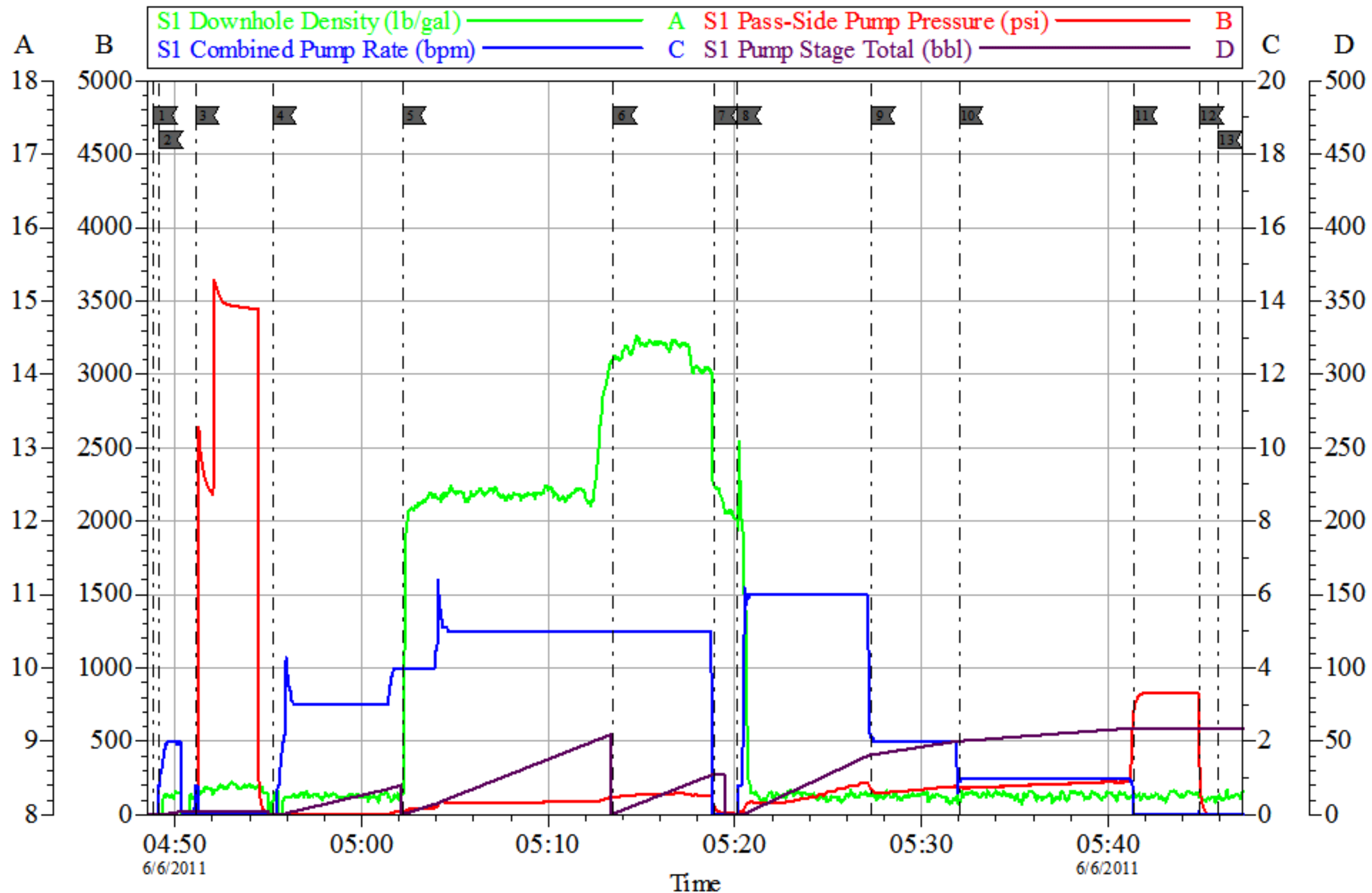
Customer: **BARRETT**
 Well Description: **GGU FED 33D-20-691**
 Company Rep: **JOSH HENDERSON**

Job Date: **06-Jun-2011**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **8227000**
 ADC Used: **YES**
 Elite #/Operator: **ELITE 8 BRENDAN BURK**

OptiCem v6.4.8
 06-Jun-11 06:11

BARRETT SURFACE 9 5/8



Customer: **BARRETT**
 Well Description: **GGU FED 33D-20-691**
 Company Rep: **JOSH HENDERSON**

Job Date: **06-Jun-2011**
 Job Type: **SURFACE**
 Cement Supervisor: **CRAIG KUKUS**

Sales Order #: **8227000**
 ADC Used: **YES**
 Elite #/Operator: **ELITE 8 BRENDAN BURK**

OptiCem v6.4.8
 06-Jun-11 06:13

HALLIBURTON

Water Analysis Report

Company: BARRETT
Submitted by: CRAIG KUKUS
Attention:
Lease: GGU FED
Well #: 33D-20-691

Date: 6/6/2011
Date Rec.: 6/6/2011
S.O.#: 8227000
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>250</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
HARDNESS		<i>120</i> Mg / L
Temp	<i>40-80</i>	<i>65</i> Deg
Total Dissolved Solids		<i>220</i> Mg / L

Respectfully: JIM BLANCHETTE

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report c

Sales Order #: 8227000	Line Item: 10	Survey Conducted Date: 6/6/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19517
Well Name: GGU FED		Well Number: 33D-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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	6/6/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CRAIG KUKUS (HX19742)
Customer Participation	Did the customer participate 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

Sales Order #: 8227000	Line Item: 10	Survey Conducted Date: 6/6/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19517
Well Name: GGU FED		Well Number: 33D-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

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

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

Sales Order #: 8227000	Line Item: 10	Survey Conducted Date: 6/6/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19517
Well Name: GGU FED		Well Number: 33D-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present: No	Well State: Colorado	Well County: 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 cement 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