
BILL BARRETT CORPORATION E-BILL

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

Cement Surface Casing
11-Jun-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2858135		Quote #:		Sales Order #: 8243907							
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Henderson, Josh									
Well Name: GGU FED			Well #: 23A-20-691		API/UWI #: 05-045-19540								
Field: MAMM CREEK		City (SAP): CULVER CITY		County/Parish: Garfield		State: Colorado							
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.7 secs.				Long: W 107.575 deg. OR W -108 deg. 25 min. 30.389 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: MAGERS, MICHAEL		MBU ID Emp #: 339439								
Job Personnel													
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #					
BORSZICH, STEPHEN A	8	412388	MAGERS, MICHAEL Gerard	8	339439	SINCLAIR, DAN J	8	338784					
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
10871245	120 mile	11259886	120 mile	11360881	120 mile	10741259	120 MILE						
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
06/11/2011	8	1											
TOTAL		Total is the sum of each column separately											
Job													
Formation Name				Job Times									
Formation Depth (MD)		Top	Bottom	Called Out		Date	Time	Time Zone					
Form Type		BHST		On Location		11 - Jun - 2011	08:00	MST					
Job depth MD		800. ft		Job Depth TVD		800. ft	Job Started	11 - Jun - 2011					
							15:10	MST					
Water Depth		Wk Ht Above Floor		Job Completed		11 - Jun - 2011	16:00	MST					
Perforation Depth (MD)		From	To	Departed Loc									
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	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer		20.00	bbl	.	.0	.0	.0		
2	VersaCem Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.75		13.75	
	13.75 Gal	FRESH WATER								
3	SwiftCem Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85		6.85	
	6.85 Gal	FRESH WATER								
4	Displacement		63.00	bbl	.	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement	62.5	Shut In: Instant		Lost Returns	0	Cement Slurry	82	Pad		
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	62.5	Treatment		
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	164	
Rates										
Circulating	NONE	Mixing	5	Displacement	5/2	Avg. Job	5			
Cement Left In Pipe	Amount	45 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

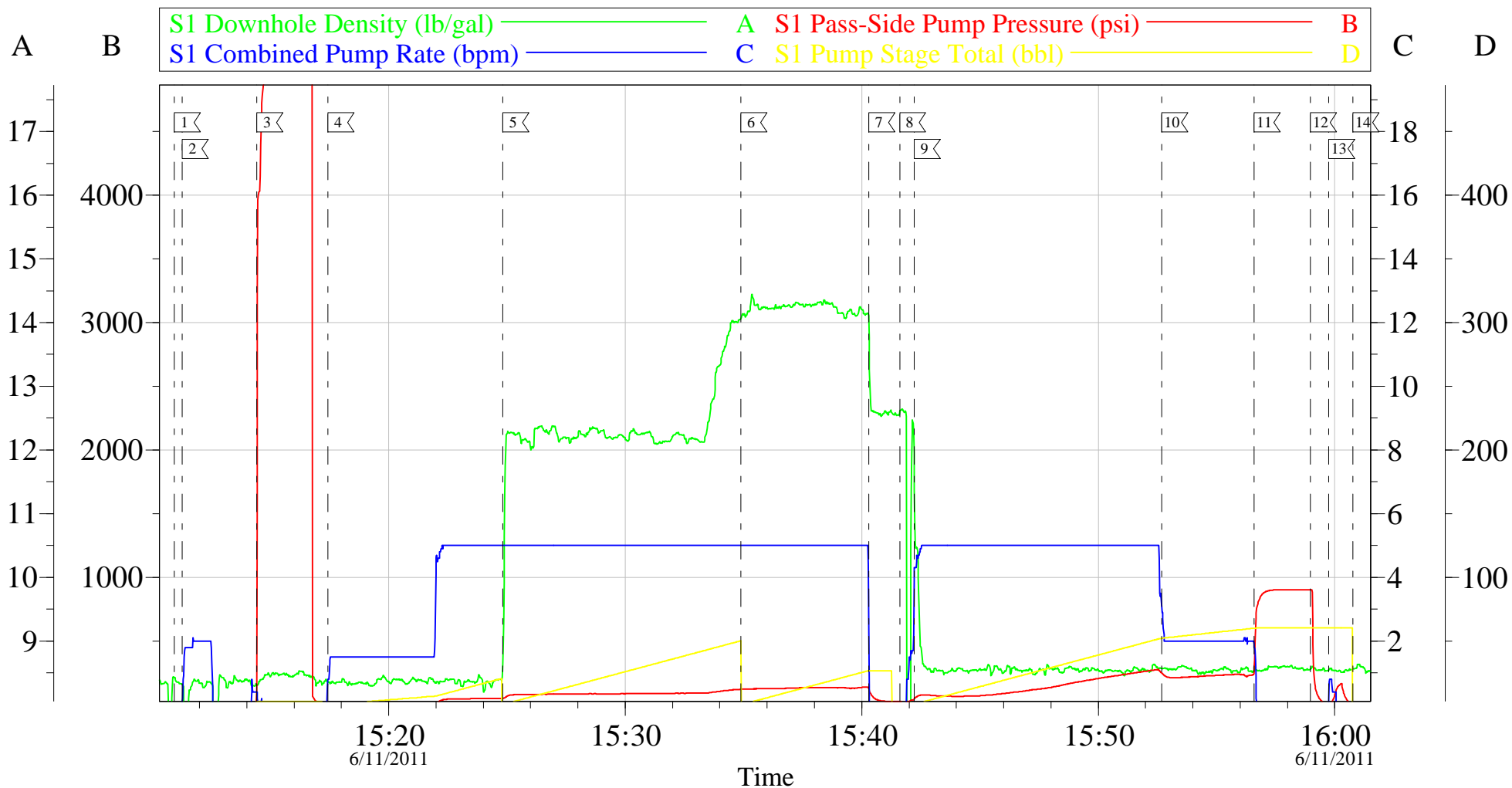
Sold To #: 343492	Ship To #: 2858135	Quote #:	Sales Order #: 8243907
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Henderson, Josh	
Well Name: GGU FED		Well #: 23A-20-691	API/UWI #: 05-045-19540
Field: MAMM CREEK	City (SAP): CULVER CITY	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.509 deg. OR N 39 deg. 30 min. 33.7 secs.		Long: W 107.575 deg. OR W -108 deg. 25 min. 30.389 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		Srv Supervisor: MAGERS, MICHAEL	MBU ID Emp #: 339439

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	06/11/2011 08:00							HES ALREADY ON LOCATION/WAITING FOR THE NEXT HOLE TO BE COMPLETED
Rig-Up Equipment	06/11/2011 15:00							
Safety Huddle	06/11/2011 15:05							RIG CREW AND HES ALL PRESENT
Start Job	06/11/2011 15:10							TD- 860 TP-840 SJ-45 MW-8.33 CSG- 9 5/8 36# J-55 OH- 12 1/4"
Other	06/11/2011 15:11		2	2			4.0	FILL LINES
Pressure Test	06/11/2011 15:14		0.5	0.5			4860.0	PSI TEST OK
Pump Spacer 1	06/11/2011 15:17		3	20			60.0	FRESH WATER
Pump Lead Cement	06/11/2011 15:24		5	50.9			122.0	VERSACEM 120 SKS 12.3 PPG 2.38 FT3/SK 13.75 GAL/SK
Pump Tail Cement	06/11/2011 15:34		5	30.6			138.0	SWIFTCESM 120 SKS 14.2 PPG 1.43 FT3/SK 6.85 GAL/SK
Shutdown	06/11/2011 15:40							
Drop Plug	06/11/2011 15:41							PLUG AWAY ON POSITIVE DISPLACEMENT
Pump Displacement	06/11/2011 15:42		5	62.5			267.0	FRESH WATER/GOT RETURNS 6 BBLs INTO DISPLACEMENT
Slow Rate	06/11/2011 15:52		2	52			222.0	GOT 25 BLS OF CEMENT TO SURFACE
Bump Plug	06/11/2011 15:56		2	62.5			250.0	BUMPED PLUG

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	06/11/2011 15:58			62.5			900.0	FLOATS HELD/GOT 1/4 BBL BACK INTO DISPLACEMENT
Shut In Well	06/11/2011 15:59		1	0.5			100.0	SHUT IN 100 PSI/RELEASED PRESSURE
End Job	06/11/2011 16:00							THANKS FOR USING HES AND THE CREW OF MIKE MAGERS

BILL BARRETT PRO PETRO

9.625 SURFACE



Local Event Log

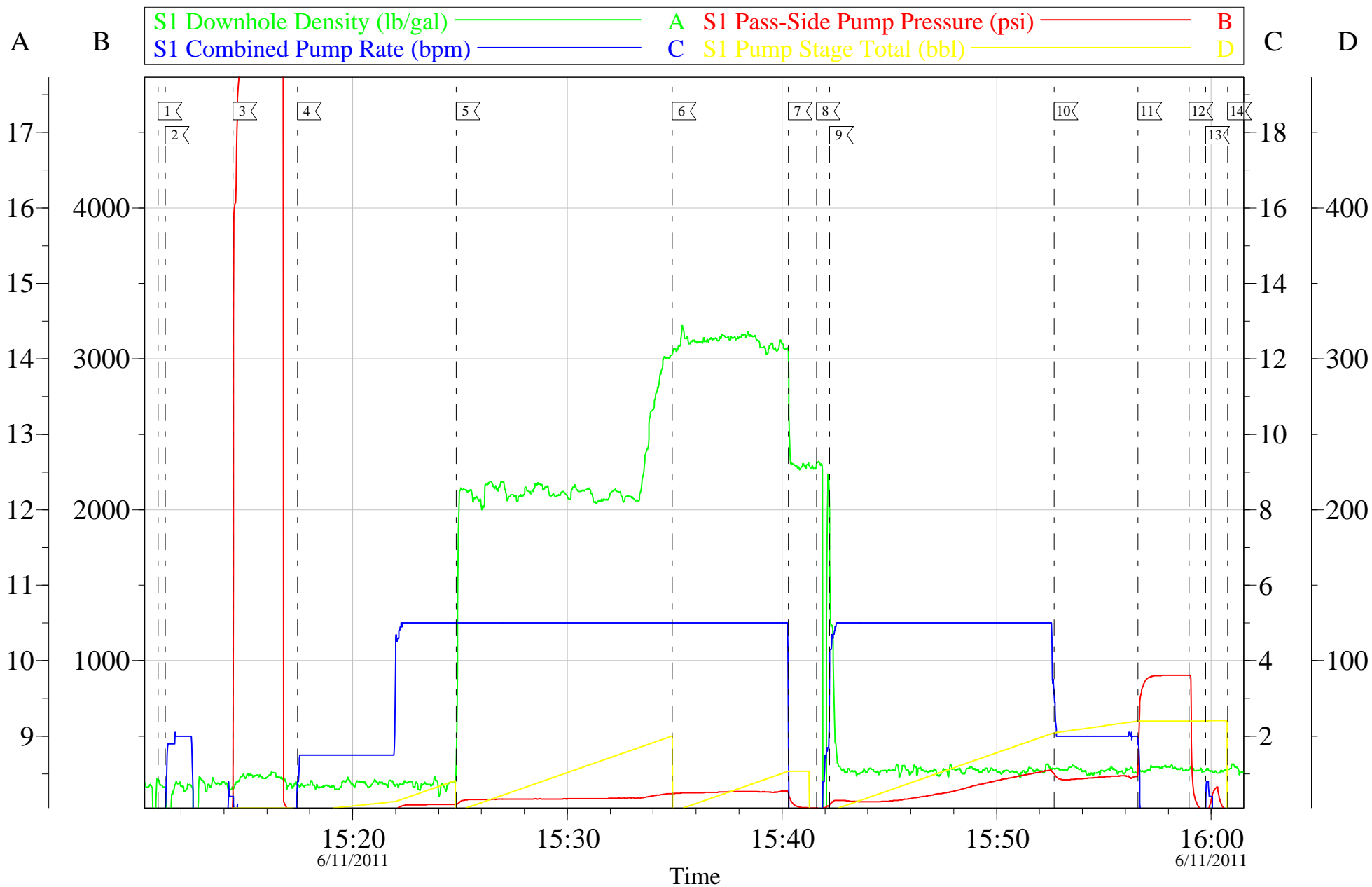
1 START JOB	15:10:56	2 FILL LINES	15:11:17	3 PRESSURE TEST	15:14:25
4 PUMP SPACER	15:17:26	5 PUMP LEAD CEMENT	15:24:49	6 PUMP TAIL CEMENT	15:34:54
7 SHUT DOWN	15:40:18	8 DROP PLUG	15:41:36	9 PUMP FRSH WTR DISPLACEMENT	15:42:13
10 SLOW RATE	15:52:41	11 BUMP PLUG	15:56:36	12 CHECK FLOATS	15:58:58
13 SHUT IN PRESSURE	15:59:44	14 END JOB	16:00:46		

Customer: BILL BARRETT PRO PETRO	Job Date: 11-Jun-2011	Sales Order #: 8243907
Well Description: GGU FED 23A-20-691	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: MIKE MAGERS	Elite #: 8 STEVE BORSZICH

OptiCem v6.3.4
11-Jun-11 16:15

BILL BARRETT PRO PETRO

9.625 SURFACE



Customer: BILL BARRETT PRO PETRO	Job Date: 11-Jun-2011	Sales Order #: 8243907
Well Description: GGU FED 23A-20-691	Job Type: SURFACE	ADC Used: YES
Company Rep: JOSH HENDERSON	Cement Supervisor: MIKE MAGERS	Elite #: 8 STEVE BORSZICH

OptiCem v6.3.4
11-Jun-11 16:15

EVENT #	EVENT	VOLUME	SACKS	WEIGHT	YIELD	GAL/ SK
1	Start Job					
6	Test Lines	5000.0				
9	H2O Spacer	20.0	3 bbls/min			
13	Pump Lead Cement	50.9	120	12.3	2.38	13.75
15	Pump Tail Cement	30.6	120	14.2	1.43	6.85
48	Shut Down					
32	Drop Plug					
23	Pump Frsh Wtr Displacement	62.6	5 bbls/min			
1085	Slow Rate	52.0	2 bbls/min			
26	Bump Plug	208 PSI	Plus	500	Over	708 PSI
511	Check Floats					
2	Release Psi / Job Over					
			Do Not Overdisplace			
DISPLACEMENT	TOTAL PIPE	SHOE JOINT LENGTH		FLOAT COLLAR	BBL/FT	H2O REQ.
62.57	840	45.00		795.00	0.0787	175
PSI to Lift Pipe	325	***** <u>Use Mud Scales on Each Tier</u> *****				
Total Displacement	62.57					
CALCULATED DIFFERENTIAL PSI		208		TOTAL FLUID PUMPED		164
Collapse	1400	Burst	2270		SO#	8243907

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT
Submitted by: MIKE MAGERS
Attention: J.Trout/ C.Martinez
Lease: GGU FED
Well #: 23A-20-691

Date: 6/11/2011
Date Rec.: 6/11/2011
S.O.#: 8242593
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>BELOW 200</i> Mg / L
Chlorine (Cl ₂)		<i>120</i> Mg / L
Temp	<i>40-80</i>	<i>65</i> Deg
Total Dissolved Solids		<i>220</i> Mg / L

Respectfully: MIKE MAGERS

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 or

Sales Order #: 8243907	Line Item: 10	Survey Conducted Date: 6/11/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19540
Well Name: GGU FED		Well Number: 23A-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	6/11/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MICHAEL MAGERS (HX13672)
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 #: 8243907	Line Item: 10	Survey Conducted Date: 6/11/2011
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Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19540
Well Name: GGU FED		Well Number: 23A-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	6/11/2011
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	2
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
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.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	4
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Customer Representative: JOSH HENDERSON		API / UWI: (leave blank if unknown) 05-045-19540
Well Name: GGU FED		Well Number: 23A-20-691
Well Type: Development Well	Well Country: United States of America	
H2S Present:	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	95
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	95
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