
BILL BARRETT CORPORATION E-BILL

**FEDERAL 13A-34-691
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
20-Dec-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2896394	Quote #:	Sales Order #: 9132801
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Hartnett, Jack	
Well Name: FEDERAL	Well #: 13A-34-691	API/UWI #: 05-045-20865	
Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Lat: N 39.479 deg. OR N 39 deg. 28 min. 45.163 secs.		Long: W 107.553 deg. OR W -108 deg. 26 min. 48.113 secs.	
Contractor: PROPETRO		Rig/Platform Name/Num: PROPETRO 1	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
EICKHOFF, ROBERT Edward		495311	LEIST, JAMES R		362787	SMITH, CHRISTOPHER Scott		452619

Equipment

HES Unit #	Distance-1 way						
10616651C	120 mile	10867322	120 mile	10998512	120 mile	11259882	120 mile
11808827	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	20 - Dec - 2011	04:00	MST
Job depth MD	830. m	Job Depth TVD	830. m	Job Started	20 - Dec - 2011	08:10
Water Depth		Wk Ht Above Floor	3. m	Job Completed	20 - Dec - 2011	09:05
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	20 - Dec - 2011	10:00	MST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
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Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
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		
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			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne	
1	WATER SPACER		20.00	bbl	8.34	.0	.0	7.0		
2	VERSACEM	VERSACEM (TM) SYSTEM (452010)	125.0	sacks	12.3	2.38	13.77	7.0	13.77	
		0.25 lbm POLY-E-FLAKE (101216940)								
		13.77 Gal FRESH WATER								
3	SWIFTCEM	SWIFTCEM (TM) SYSTEM (452990)	125.0	sacks	14.2	1.43	6.85	7.0	6.85	
		0.25 lbm POLY-E-FLAKE (101216940)								
		6.85 Gal FRESH WATER								
4	DISPLACEMENT		60.00	bbl	8.3			7.0		
Calculated Values		Pressures			Volumes					
Displacement		Shut In: Instant			Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min			Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min			Spacers		Load and Breakdown		Total Job	
Rates										
Circulating		Mixing		Displacement			Avg. Job			
Cement Left In Pipe		Amount	0 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

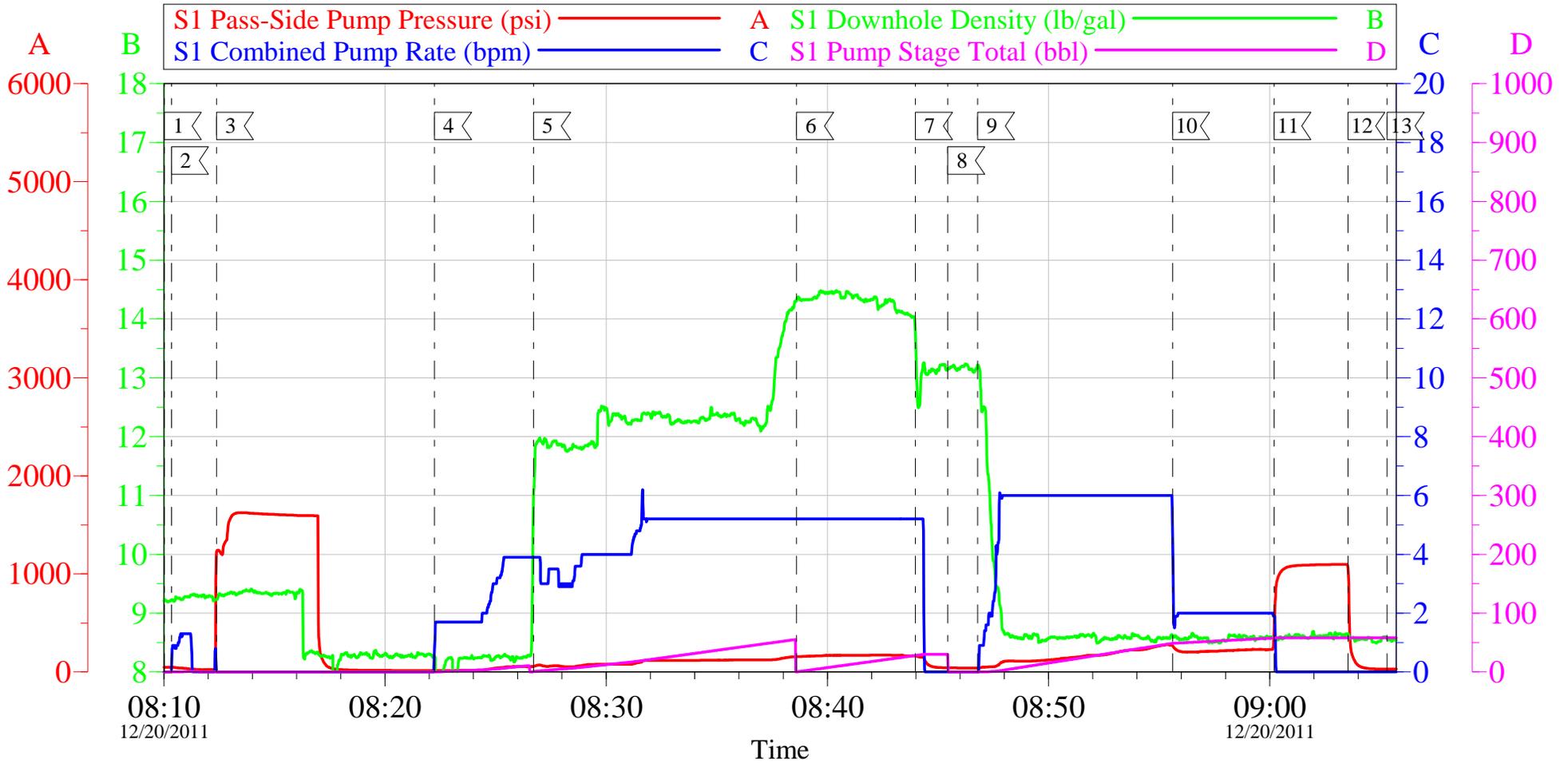
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Field: MAMM CREEK	City (SAP): SILT	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: PROPETRO		Rig/Platform Name/Num: PROPETRO 1	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: SMITH, CHRISTOPHER	MBU ID Emp #: 452619

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Pre-Convoy Safety Meeting	12/20/2011 01:00							ALL HES PERSONEL
Crew Leave Yard	12/20/2011 01:30							
Arrive At Loc	12/20/2011 03:00							RIG RUNNING DRILLING.
Assessment Of Location Safety Meeting	12/20/2011 03:15							ALL HES PERSONEL
Rig-Up Equipment	12/20/2011 07:30							
Pre-Job Safety Meeting	12/20/2011 07:55							ALL HES PERSONEL AND RIG CREW
Start Job	12/20/2011 08:10							TD 830', TP 813.41', SJ 44.91', OH 12.25", CSG 9.625" 32.3# J-55, NO MUD IN WELL.
Other	12/20/2011 08:10		2	2			35.0	FILL LINES
Pressure Test	12/20/2011 08:12		0.5	0.5				ALL LINES HELD PRESSURE AT 1630 PSI
Pump Spacer 1	12/20/2011 08:22		4	10			56.0	FRESH WATER, CUT H2O SPACER DOWN PER COMP REP.
Pump Lead Cement	12/20/2011 08:26		5	53			155.0	125 SKS, 12.3 PPG, 2.38 FT3/SK, 13.77 GAL/SK, SET UP TIME 3:05 @ 70 BC
Pump Tail Cement	12/20/2011 08:38		5	32			170.0	125 SKS, 14.2 PPG, 1.43 FT3/ SK, 6.85 GAL/SK, SET UP TIME 3:07 @ 70 BC
Shutdown	12/20/2011 08:43							

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Drop Top Plug	12/20/2011 08:45							PLUG WENT
Pump Displacement	12/20/2011 08:46		6				215.0	FRESH WATER
Slow Rate	12/20/2011 08:55		2				230.0	
Bump Plug	12/20/2011 09:00						1050.0	PLUG BUMPED
Check Floats	12/20/2011 09:03							FLOATS HELD
End Job	12/20/2011 09:05							FULL RETURNS WITH 109 BBLs OF FLUID PUMPED, 35 BBLs OF CEMENT TO SURFACE, JOB PUMPED OFF LINE.
Post-Job Safety Meeting (Pre Rig-Down)	12/20/2011 09:10							ALL HES PERSONEL
Rig-Down Completed	12/20/2011 09:45							
Depart Location Safety Meeting	12/20/2011 09:55							ALL HES PERSONEL
Crew Leave Location	12/20/2011 10:00							
Other	12/20/2011 10:10							THANK YOU FOR CHOOSING HALLIBURTON, CHRIS SMITH AND CREW

BILL BARRETT - FED 13A-34-691

9.625" SURFACE

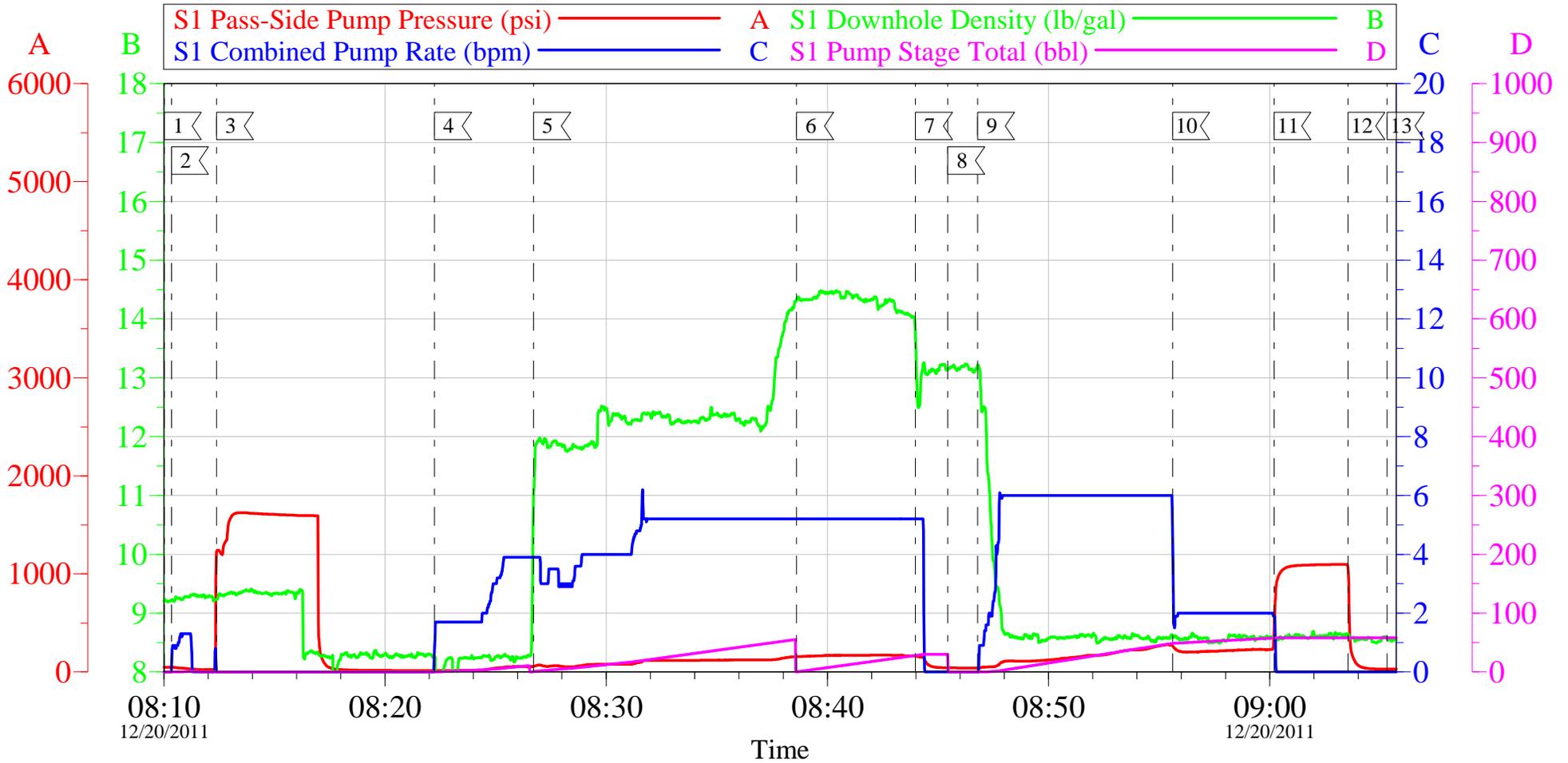


Local Event Log					
1	START JOB	08:10:02	2	FILL LINES	08:10:21
3	TEST LINES	08:12:23	4	H2O SPACER	08:22:14
5	LEAD CEMENT	08:26:43	6	TAIL CEMENT	08:38:36
7	SHUTDOWN	08:43:59	8	DROP PLUG	08:45:26
9	H2O DISPLACEMENT	08:46:48	10	SLOW RATE	08:55:37
11	BUMP PLUG	09:00:12	12	CHECK FLOATS	09:03:32
13	END JOB	09:05:19			

Customer:	BILL BARRETT CORPORATION E-BILL	Job Date:	20-Dec-2011	Sales Order #:	9132801
Well Description:	FEDERAL 13A-34-691	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	C.LAUER	Cement Supervisor:	C.SMITH	Elite #4:	R.EICKHOFF

BILL BARRETT - FED 13A-34-691

9.625" SURFACE



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1	START JOB	08:10:02	2	FILL LINES	08:10:21	3	TEST LINES	08:12:23
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13	END JOB	09:05:19						

Customer:	BILL BARRETT CORPORATION E-BILL	Job Date:	20-Dec-2011	Sales Order #:	9132801
Well Description:	FEDERAL 13A-34-691	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	C.LAUER	Cement Supervisor:	C.SMITH	Elite #4:	R.EICKHOFF

HALLIBURTON

Water Analysis Report

Company: WILLIAMS

Date: 12.20.11

Submitted by: CHRIS SMITH

Date Rec.: 12.20.11

Attention: J.Trout

S.O.# 9132801

Lease FEDERAL

Job Type: SURFACE

Well # 13A-34-691

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	120 Mg / L
Iron (FE2)	<i>300</i>	3 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	70 Deg
Total Dissolved Solids		110 Mg / L

Respectfully: CHRIS SMITH

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 #: 9132801	Line Item: 10	Survey Conducted Date: 12/20/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: C.LAUVER		API / UWI: (leave blank if unknown) 05-045-20865
Well Name: FEDERAL		Well Number: 13A-34-691
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	12/20/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	CHRISTOPHER SMITH (HB20137)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	C.LAUVER
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	

CUSTOMER SIGNATURE

Sales Order #: 9132801	Line Item: 10	Survey Conducted Date: 12/20/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: C.LAUVER		API / UWI: (leave blank if unknown) 05-045-20865
Well Name: FEDERAL		Well Number: 13A-34-691
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	12/20/2011
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)	1.5
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	7
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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Well Name: FEDERAL		Well Number: 13A-34-691
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	94
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	93
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