
BILL BARRETT CORPORATION E-BILL

**KAUFMAN 32C-25-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
09-Dec-2011

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 343492		Ship To #: 2894950		Quote #:		Sales Order #: 9112131	
Customer: BILL BARRETT CORPORATION E-BILL				Customer Rep: Lauer, Casey			
Well Name: KAUFMAN			Well #: 32C-25-692		API/UWI #: 05-045-21140		
Field: MAMM CREEK		City (SAP): UNKNOWN		County/Parish: Garfield		State: Colorado	
Lat: N 39.502 deg. OR N 39 deg. 30 min. 8.381 secs.				Long: W 107.618 deg. OR W -108 deg. 22 min. 53.684 secs.			
Contractor: PROPETRO			Rig/Platform Name/Num: PROPETRO				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: FLING, MATTHEW			Srv Supervisor: PHILLIPS, MARK			MBU ID Emp #: 445272	
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
JENSEN, JESSE Robert	5	478774	KEANE, JOHN Donovan	5	486519	PHILLIPS, MARK Bejar	445272
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11259884	120 mile	11360871	120 mile	11542767	120 mile		
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	Operating Hours
12-09-2011	5	1					
TOTAL		<i>Total is the sum of each column separately</i>					
Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	08 - Dec - 2011	19:00	MST
Form Type	BHST			On Location	08 - Dec - 2011	00:00	MST
Job depth MD	740. ft			Job Started	09 - Dec - 2011	04:26	MST
Water Depth	Wk Ht Above Floor			Job Completed	09 - Dec - 2011	05:12	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
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
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar				676.13	Retainer		
Insert Float					SSR plug set		
Stage Tool					Plug Container	9.625	1
					Centralizers		
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
					Acid Type		Qty
					Sand Type		Size
							Conc
							%

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	8.34	.0	.0	6.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6.0	13.77
	0.25 lbm	POLY-E-FLAKE (101216940)							
	13.77 Gal	FRESH WATER							
3	Tail Cement	SWIFTCES (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6.0	6.85
	0.25 lbm	POLY-E-FLAKE (101216940)							
	6.85 Gal	FRESH WATER							
4	DISPLACEMENT		52.3	bbl	8.4			6.0	
Calculated Values		Pressures		Volumes					
Displacement	52.3	Shut In: Instant		Lost Returns	0	Cement Slurry	81	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	30	Actual Displacement	52.3	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	154
Rates									
Circulating	0	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	44.65 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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Well Name: KAUFMAN	Well #: 32C-25-692	API/UWI #: 05-045-21140	
Field: MAMM CREEK	City (SAP): UNKNOWN	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.502 deg. OR N 39 deg. 30 min. 8.381 secs.		Long: W 107.618 deg. OR W -108 deg. 22 min. 53.684 secs.	
Contractor: PROPETRO		Rig/Platform Name/Num: PROPETRO	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272

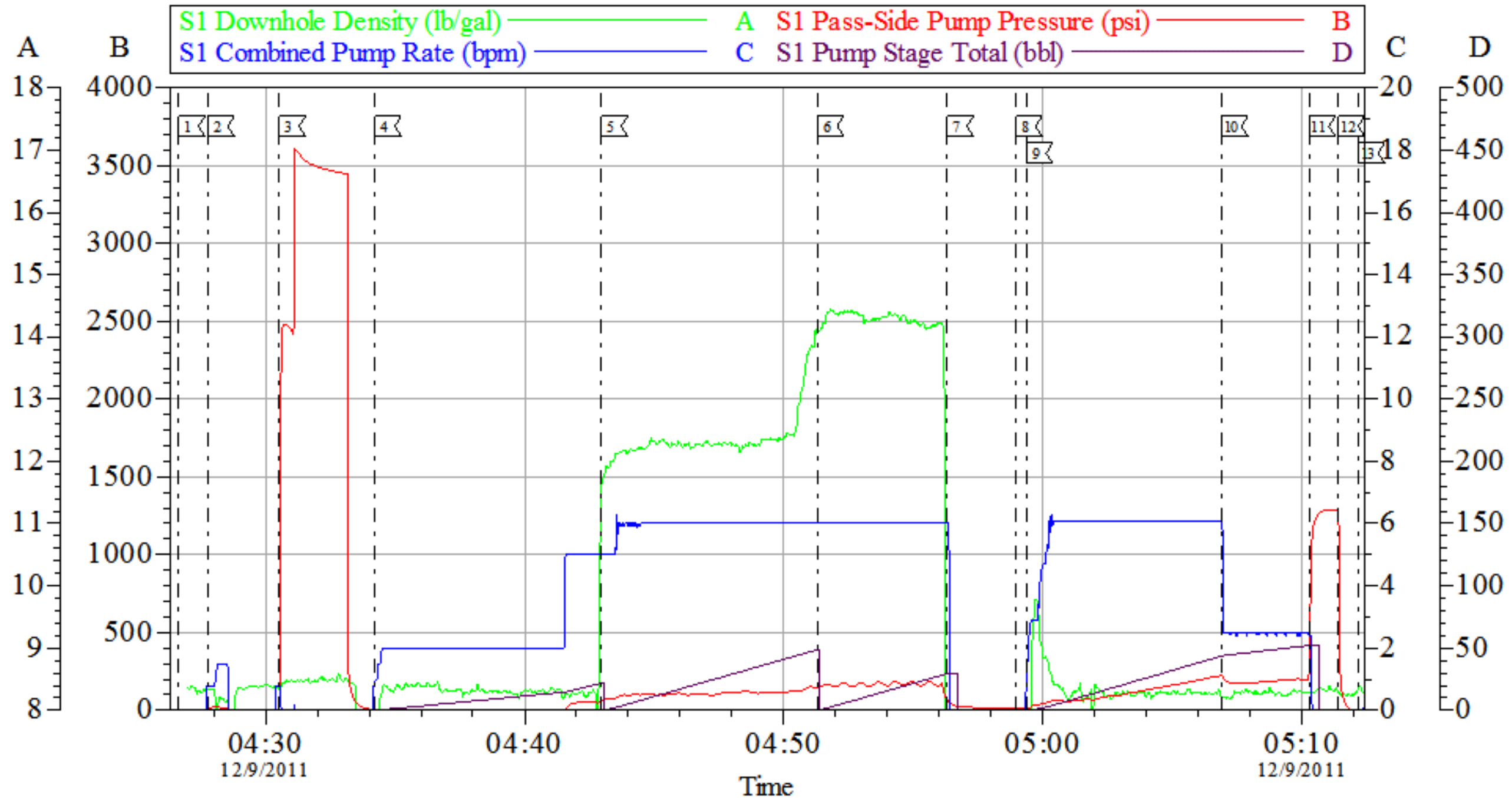
Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/08/2011 19:00							CREW ALREADY ON LOCATION, BULK TRUCK DRIVER WILL BE ROUND TRIPPING FOR CEMENT POST EACH JOB.
Pre-Convoy Safety Meeting	12/08/2011 19:30							BULK DRIVER ONLY
Arrive At Loc	12/09/2011 01:00							RIG CREW DRILLING
Assessment Of Location Safety Meeting	12/09/2011 01:30							ALL HES EMPLOYEES, LOCATION ASSESED BEFORE START OF EACH JOB.
Pre-Convoy Safety Meeting	12/09/2011 02:19							ALL HES EMPLOYEES
Rig-Up Equipment	12/09/2011 02:30							1 HT-400 CEMENT PUMP, 1 660FT3 BULK TRUCK, 1 9.625" SCREW ON PLUG CONTAINER
Pre-Job Safety Meeting	12/09/2011 04:00							ALL HES EMPLOYEES, RIG CREW, COMPANY REP, 3RD PARTY VENDORS
Start Job	12/09/2011 04:26							TD:740 FT TP:720.78 FT SJ:44.65 , OPEN HOLE: 12.375" CASING: 9.625", J55 8RD, 36 LB/FT
Pump Water	12/09/2011 04:27		1.5	1			20.0	FRESH WATER
Pressure Test	12/09/2011 04:30		0.5			3500.0		NO LEAKS
Pump Spacer 1	12/09/2011 04:34		2	20			20.0	FRESH WATER

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	12/09/2011 04:42		6	51			100.0	120SKS VERSACEM MIXED @ 12.3PPG, 2.38FT3/SK, 13.75GALS/SK, WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED
Pump Tail Cement	12/09/2011 04:51		6	30			180.0	120SKS SWIFTCM MIXED @ 14.2PPG, 1.43FT3/SK, 6.88GALS/SK, WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED, RETURNS NOTED TO SURFACE WITH 20 BBLS AWAY ON TAIL CMT.
Shutdown	12/09/2011 04:56							
Drop Plug	12/09/2011 04:58							PLUG LAUNCHED
Pump Displacement	12/09/2011 04:59		6	52.3			200.0	FRESH WATER
Cement Returns to Surface	12/09/2011 05:03		6	20			160.0	30 BBLS CMT RETURNED TO SURFACE
Slow Rate	12/09/2011 05:06		2.5	42			200.0	SLOW RATE 10BBL PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	12/09/2011 05:10		2.5	52.3			1200.0	PLUG LANDED
Check Floats	12/09/2011 05:11							FLOATS HELD
End Job	12/09/2011 05:12							THANK YOU FOR USING HALLIBURTON ENERGY SERVICES FROM MARK PHILLIPS AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	12/09/2011 05:30							ALL HES EMPLOYEES

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	12/09/2011 06:00							
Crew Leave Location	12/09/2011 07:00							CREW TO ROUND TRIP FOR BULK TRUCK AND NEW 3 IN VALVE FOR TEXAS LOOP.

BILL BARRETT

KAUFMAN 32C-25-692 SURFACE



Local Event Log			
1	START JOB	04:26:39	2
2	FILL LINES	04:27:47	3
3	PRESSURE TEST	04:30:32	4
4	H2O SPACER	04:34:14	5
5	LEAD CEMENT	04:42:58	6
6	TAIL CEMENT	04:51:18	7
7	SHUT DOWN	04:56:18	8
8	DROP PLUG	04:58:58	9
9	START DISPLACEMENT	04:59:22	10
10	SLOWRATE	05:06:54	11
11	BUMP PLUG	05:10:17	12
12	CHECK FLOATS	05:11:24	13
13	END JOB	05:12:10	

Customer: BILL BARRETT
Well Description: KAUFMAN 32C-25-692
Company Rep: CASEY LAUER

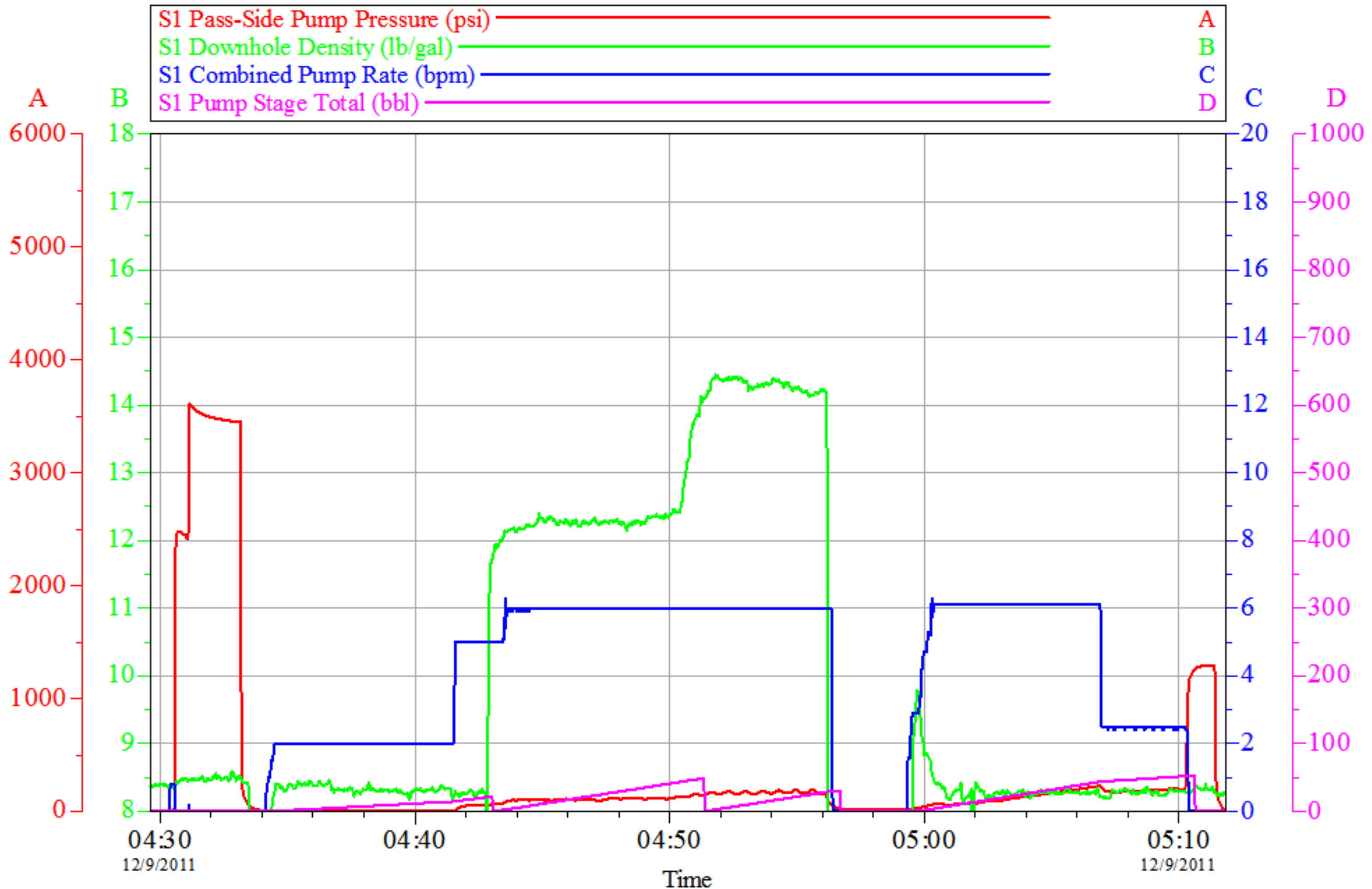
Job Date: 09-Dec-2011
Job Type: SURFACE
Cement Supervisor: MARK PHILLIPS

Sales Order #: 9112131
ADC Used: YES
Elite #:1 MARK PHILLIPS

OptiCem v6.4.10
09-Dec-11 05:48

Bill Barrett

Surface



Customer: Bill Barrett
Well Description: Kaufman 32C-25-692
Company Rep: Casey Lauer

Job Date: 09-Dec-2011
Job Type: Surface
Cement Supervisor: Mark Phillips

Sales Order #: 9112131
ADC Used: yes
Elite #X: 1, Mark Phillips

OptiCem v6.4.6
16-Dec-11 09:36

HALLIBURTON

Water Analysis Report

Company: BBC
Submitted by: MARK PHILLIPS
Attention: LAB
Lease: KAUFMAN
Well #: 32C-25-692

Date: 12/9/2011
Date Rec.: 12/9/2011
S.O.#: 9112131
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>400</i> Mg / L
Calcium (Ca)	<i>500</i>	<i>250</i> Mg / L
Iron (FE2)	<i>300</i>	<i>0</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>400</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i>0</i> Mg / L
Chlorine (Cl ₂)		<i>0</i> Mg / L
Temp	<i>40-80</i>	<i>41</i> Deg
Total Dissolved Solids		<i>920</i> Mg / L

Respectfully: MARK PHILLIPS

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 #: 9112131	Line Item: 10	Survey Conducted Date: 12/9/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-21140
Well Name: KAUFMAN		Well Number: 32C-25-692
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	12/9/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	MARK PHILLIPS (HB13261)
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	CASEY LAUER
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 #: 9112131	Line Item: 10	Survey Conducted Date: 12/9/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-21140
Well Name: KAUFMAN		Well Number: 32C-25-692
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	12/9/2011

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 #: 9112131	Line Item: 10	Survey Conducted Date: 12/9/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-21140
Well Name: KAUFMAN		Well Number: 32C-25-692
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