
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				Srvc 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	Emp #			
JENSEN, JESSE Robert	5	478774	KEANE, JOHN Donovon	5	486519	PHILLIPS, MARK Bejar	5	445272			
Equipment											
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>				
11259884	120 mile	11360871	120 mile	11542767	120 mile						
Job Hours											
Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	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 Depth TVD		740. ft	Job Started		09 - Dec - 2011	04:26	MST	
Water Depth		Wk Ht Above Floor			3. ft	Job Completed		09 - Dec - 2011	05:12	MST	
Perforation Depth (MD)		<i>From</i>	<i>To</i>			Departed Loc					
Well Data											
<i>Description</i>	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			
Guide Shoe					Packer						
Float Shoe					Bridge Plug						
Float Collar				676.13	Retainer						
Insert Float											
Stage Tool											
Miscellaneous Materials											
Gelling Agt		Conc		Surfactant		Conc		Acid Type	Qty	Conc	%
Treatment Fld		Conc		<i>Inhibitor</i>		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	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	SWIFTCEM (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

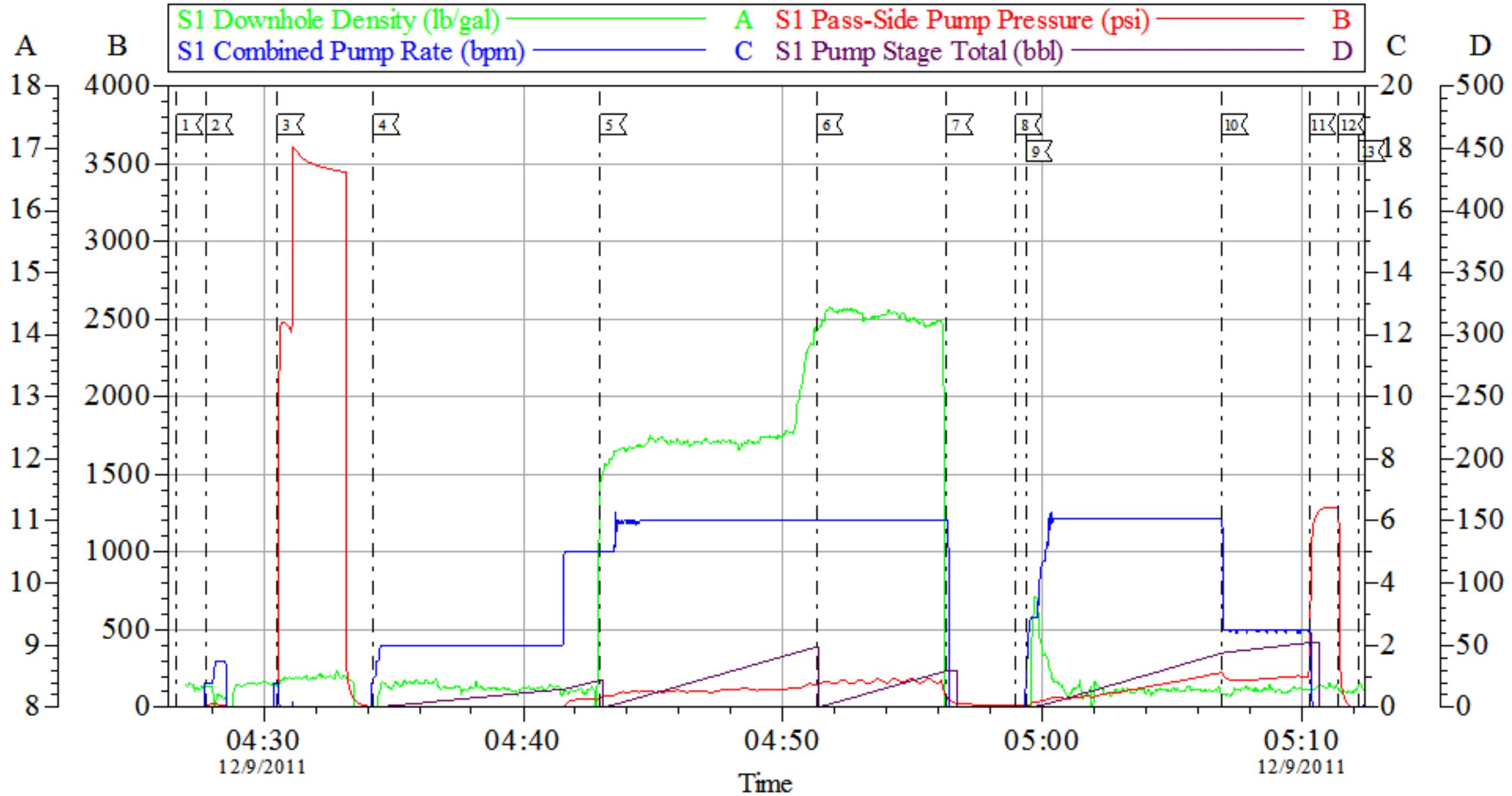
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/08/2011 19:00							CREW ALREADY ON LOCATION, BULK TRUCK DRIVER WILL BE ROUND TRIPPING FOR CEMENT POST EACH JOB.
Pre-Convoy Safety Meeting	12/08/2011 19:30							BULK DRIVER 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 SWIFTCEM 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

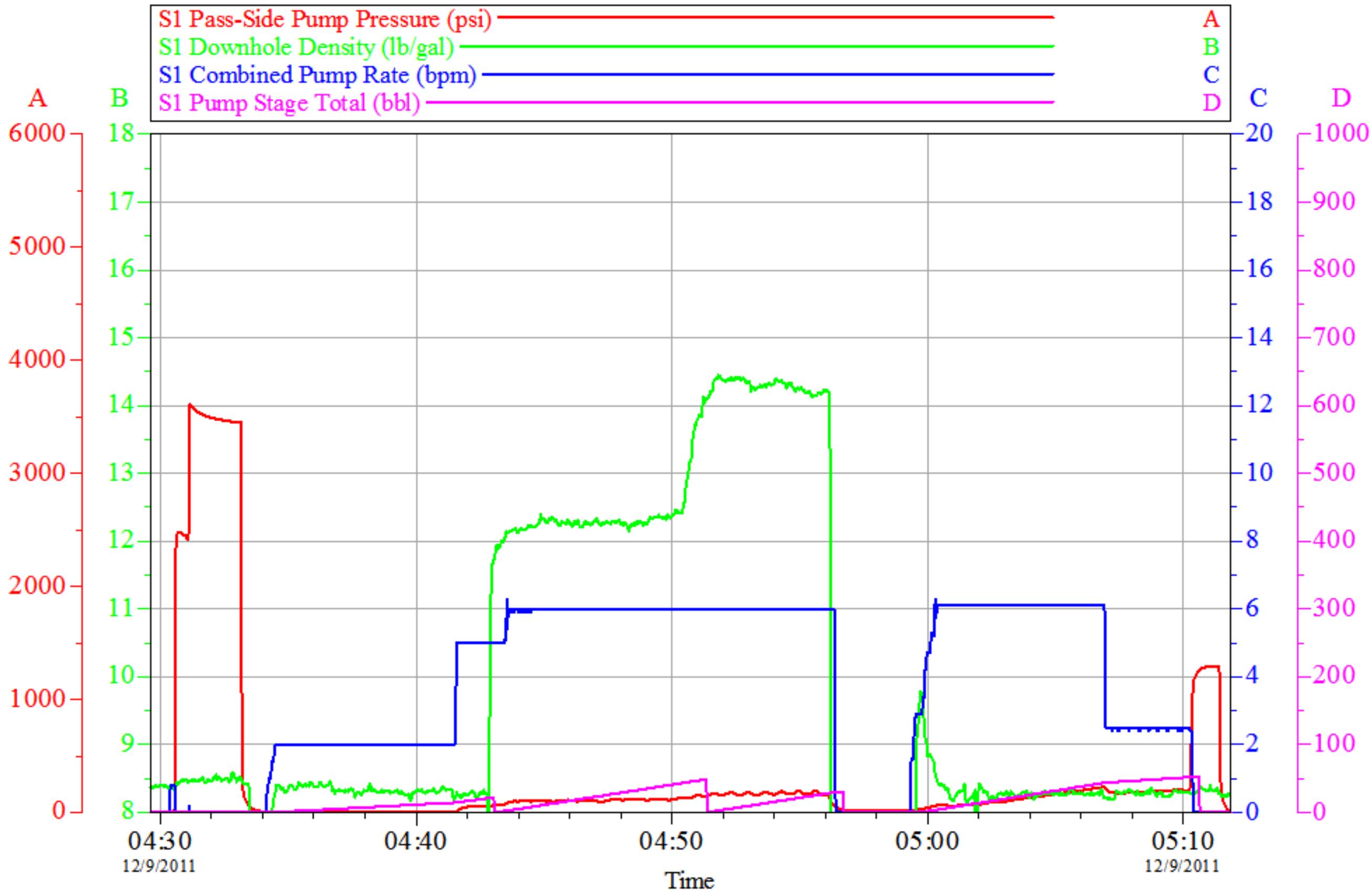


Local Event Log								
1	START JOB	04:26:39	2	FILL LINES	04:27:47	3	PRESSURE TEST	04:30:32
4	H2O SPACER	04:34:14	5	LEAD CEMENT	04:42:58	6	TAIL CEMENT	04:51:18
7	SHUTDOWN	04:56:18	8	DROP PLUG	04:58:58	9	START DISPLACEMENT	04:59:22
10	SLOWRATE	05:06:54	11	BUMP PLUG	05:10:17	12	CHECK FLOATS	05:11:24
13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

Customer: BILL BARRETT	Job Date: 09-Dec-2011	Sales Order #: 9112131
Well Description: KAUFMAN 32C-25-692	Job Type: SURFACE	ADC Used: YES
Company Rep: CASEY LAUER	Cement Supervisor: MARK PHILLIPS	Elite #:1 MARK PHILLIPS

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>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	400 Mg / L
Calcium (Ca)	<i>500</i>	250 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	400 Mg / L
Sulfates (SO ₄)	<i>1500</i>	0 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	41 Deg
Total Dissolved Solids		920 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	12/9/2011
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	6
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

Sales Order #: 9112131	Line Item: 10	Survey Conducted Date: 12/9/2011
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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