
BILL BARRETT CORPORATION E-BILL

**CBS 41B-21-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
12-Nov-2011

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 343492	Ship To #: 2889249	Quote #:	Sales Order #: 9043545
Customer: BILL BARRETT CORPORATION E-BILL		Customer Rep: Lauer, Casey	
Well Name: CBS		Well #: 41B-21-692	API/UWI #: 05-045-20124
Field: MAMM CREEK	City (SAP): Silt	County/Parish: Garfield	State: Colorado
Lat: N 39.515 deg. OR N 39 deg. 30 min. 52.474 secs.		Long: W 106.671 deg. OR W -107 deg. 19 min. 43.342 secs.	
Contractor: PROPETRO		Rig/Platform Name/Num: PROPETRO	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srvc Supervisor: HUGENTOBLER, LOGAN	MBU ID Emp #: 447333

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HUGENTOBLER, LOGAN Mark	6	447333	LINN, PAUL Andrew	6	479143	SILVERTHORN, AARON Jacob	6	491305
SINGLETON, AUSTIN W	6	487406						

Equipment

HES Unit #	Distance-1 way						
10867304	120 mile	10998054	120 mile	11560046	120 mile	11562538	120 mile
11583932	120 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
11/12/11	6	1						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	11 - Nov - 2011	22:30	MST
Form Type	BHST		Job Started	12 - Nov - 2011	02:00	MST
Job depth MD	840. ft	Job Depth TVD	840. ft	Job Completed	12 - Nov - 2011	05:22
Water Depth		Wk Ht Above Floor	1. ft	Departed Loc	12 - Nov - 2011	08:00
Perforation Depth (MD)	<i>From</i>	<i>To</i>				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
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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	8.34	.0	.0	6	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	120.0	sacks	12.3	2.38	13.77	6	13.77
		13.77 Gal FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	120.0	sacks	14.2	1.43	6.85	6	6.85
		6.85 Gal FRESH WATER							
4	DISPLACEMENT		60.00	bbl	8.33			8	
Calculated Values		Pressures		Volumes					
Displacement	60	Shut In: Instant	255	Lost Returns	0	Cement Slurry	80	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	60	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	6	Displacement	8	Avg. Job	7		
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

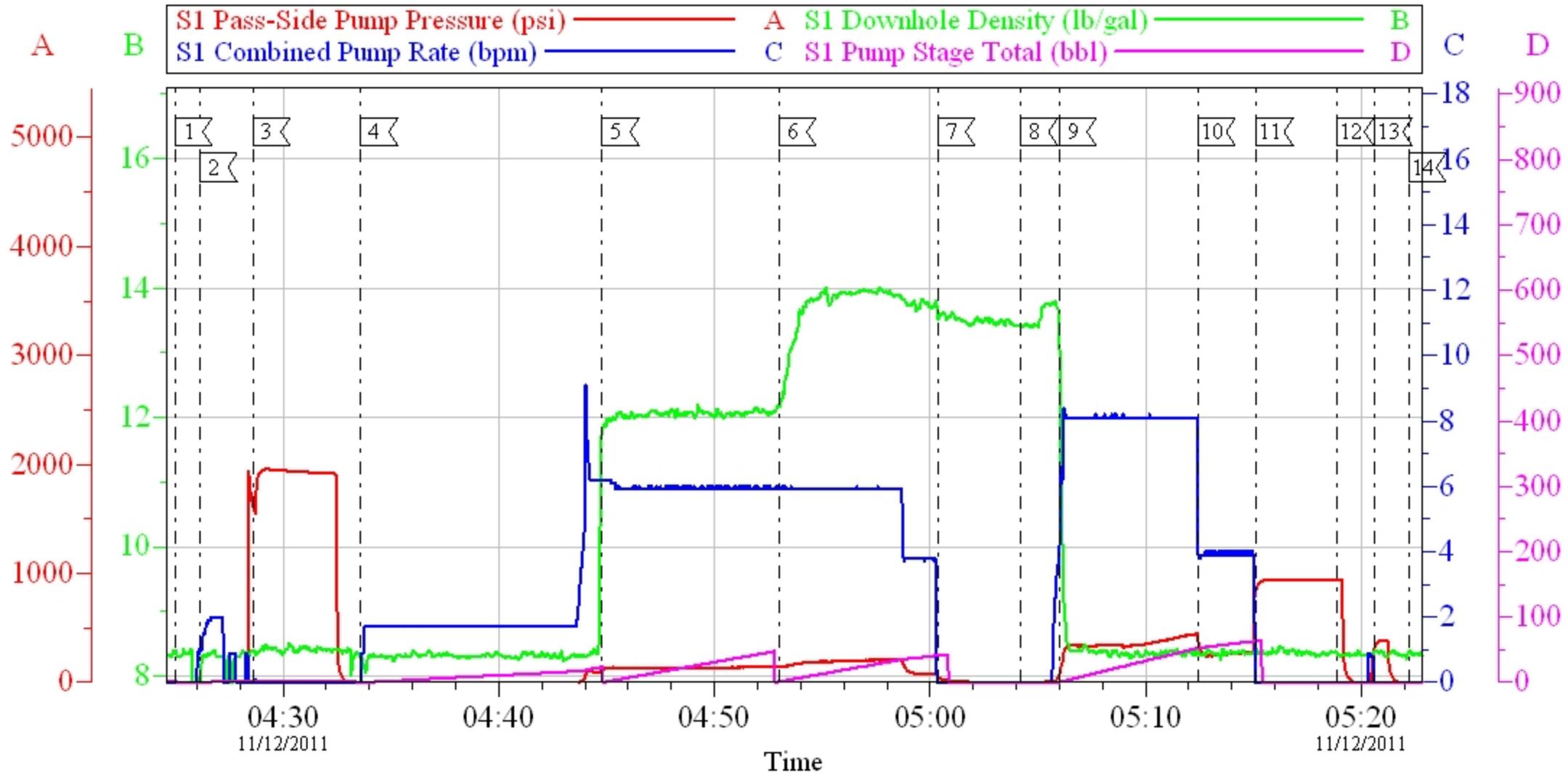
Sold To #: 343492	Ship To #: 2889249	Quote #:	Sales Order #: 9043545
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Field: MAMM CREEK	City (SAP): Silt	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 39.515 deg. OR N 39 deg. 30 min. 52.474 secs.		Long: W 106.671 deg. OR W -107 deg. 19 min. 43.342 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: METLI, MARSHALL		Srvc Supervisor: HUGENTOBLE, LOGAN	MBU ID Emp #: 447333

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	11/11/2011 22:30							
Pre-Convoy Safety Meeting	11/11/2011 23:55							ALL HES EMPLOYEES
Arrive At Loc	11/12/2011 02:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	11/12/2011 02:45							ALL HES EMPLOYEES
Rig-Up Equipment	11/12/2011 03:00							1 HT-400 PUMP TRUCK, 1 660 BULK TRUCK, 1 F-550 P/U, 1 PLUG CONTAINER
Pre-Job Safety Meeting	11/12/2011 04:00							ALL HES EMPLOYEES, RIG CREW, CO REP AND ANY 3RD PARTY VENDORS
Start Job	11/12/2011 04:25							TP 827, TD 840, SJ 45, FC 782, NO WELL FLUID AIR DRILLED, RATE 6 BBL/MIN
Pump Water	11/12/2011 04:26		2	2			16.0	FILL LINES PRIOR TO PRESSURE TESTING LINES
Pressure Test	11/12/2011 04:28							NO LEAKS, KICK OUTS SET TO 2000 PSI FOR TEST.
Pump Spacer 1	11/12/2011 04:33		6	20			97.0	FRESH WATER
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Pump Lead Cement	11/12/2011 04:44		6	50			137.0	120 SKS VERSACEM CMT TO BE MIXED AT 12.3 PPG, 2.38 YIELD, 13.77 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES WET AND DRY SAMPLES SUBMITTED.
Pump Tail Cement	11/12/2011 04:53		6	30			207.0	120 SKS SWIFTCM CMT TO BE MIXED AT 14.2 PPG, 1.43 YIELD, 6.85 GAL/SK, CMT TO BE WEIGHED VIA PRESSURE BALANCED MUD SCALES, WET AND DRY SAMPLES SUBMITTED,
Shutdown	11/12/2011 05:00							
Drop Plug	11/12/2011 05:04							PLUG LAUNCHED
Pump Displacement	11/12/2011 05:05		8	60			421.0	FRESH WATER
Slow Rate	11/12/2011 05:12		4				338.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	11/12/2011 05:15						891.0	PLUG LANDED
Check Floats	11/12/2011 05:18							FLOATS HOLDING, 25 BBLS CEMENT TO SURFACE
Shut In Well	11/12/2011 05:20						255.0	
End Job	11/12/2011 05:22							THANK YOU FOR USING HES LOGAN HUGENTOBLE AND CREW
Post-Job Safety Meeting (Pre Rig-Down)	11/12/2011 05:25							ALL HES EMPLOYEES
Rig-Down Equipment	11/12/2011 05:30							
Pre-Convoy Safety Meeting	11/12/2011 07:50							ALL HES EMPLOYEES
Crew Leave Location	11/12/2011 08:00							LOCATION CLEAN

BILL BARRETT-41B-21-692

SURFACE

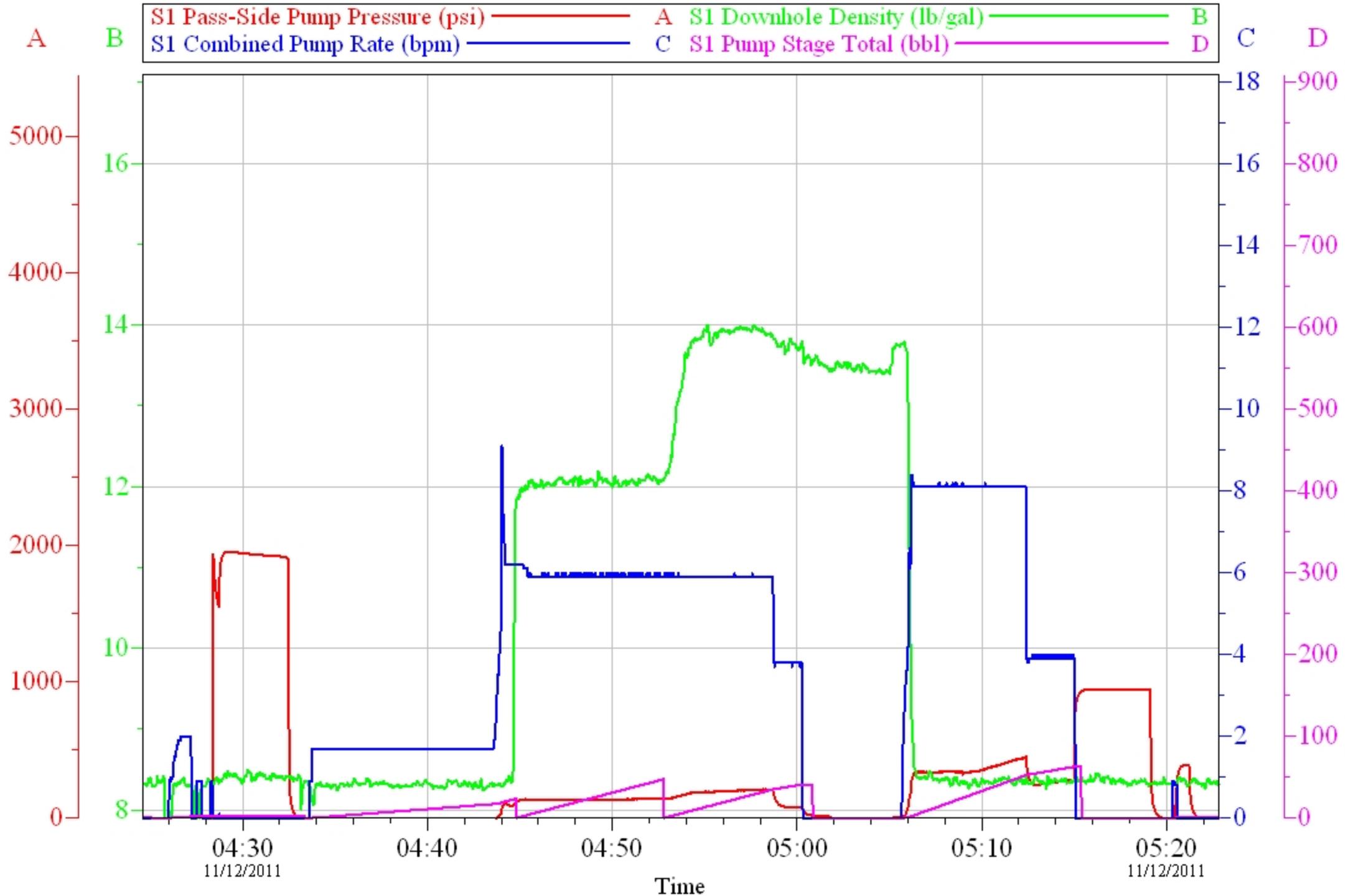


Local Event Log								
1	START JOB	04:25:00	2	PRIME LINES	04:26:09	3	PRESSURE TEST	04:28:36
4	PUMP H2O SPACER	04:33:37	5	PUMP LEAD CEMENT	04:44:48	6	PUMP TAIL CEMENT	04:53:00
7	SHUTDOWN	05:00:22	8	DROP PLUG	05:04:12	9	PUMP DISPLACEMENT	05:05:59
10	SLOW RATE	05:12:26	11	BUMP PLUG	05:15:08	12	CHECK FLOATS	05:18:51
13	SHUT-IN-WELL	05:20:39	14	END JOB	05:22:12			

Customer:	BILL BARRETT	Job Date:	12-Nov-2011	Sales Order #:	9043545
Well Description:	41B-21-692	Job Type:	SURFACE	ADC Used:	YES
Company Rep:	CASRY LAUER	Cement Supervisor:	LOGAN HUGENTOBLER	Elite #5:	AARON SILVERTHORN

BILL BARRETT-41B-21-692

SURFACE



Customer: BILL BARRETT
 Well Description: 41B-21-692
 Company Rep: CASRY LAUER

Job Date: 12-Nov-2011
 Job Type: SURFACE
 Cement Supervisor: LOGAN HUGENTOBLER

Sales Order #: 9043545
 ADC Used: YES
 Elite #5: AARON SILVERTHORN

OptiCem v6.4.10
 12-Nov-11 06:48

HALLIBURTON

Water Analysis Report

Company: BILL BARRETT

Submitted by: LOGAN HUGENTOBLER

Attention: _____

Lease CBS

Well # 41B-21-692

Date: 11/15/2011

Date Rec.: 11/15/2011

S.O.# 9043545

Job Type: 9.625 SURFACE

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7
Potassium (K)	<i>5000</i>	0 Mg / L
Calcium (Ca)	<i>500</i>	240 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	0 Mg / L
Sulfates (SO ₄)	<i>1500</i>	below 200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	45 Deg
Total Dissolved Solids		280 Mg / L

Respectfully: LOGAN HUGENTOBLER

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 its use.

Sales Order #: 9043545	Line Item: 10	Survey Conducted Date: 11/12/2011
Customer: BILL BARRETT CORPORATION E-BILL		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-20124
Well Name: CBS		Well Number: 41B-21-692
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	11/12/2011
Survey Interviewer	The survey interviewer is the person who initiated the survey.	LOGAN HUGENTOBLER (HB15210)
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

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Customer Representative: CASEY LAUER		API / UWI: (leave blank if unknown) 05-045-20124
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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	11/12/2011
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)	4
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

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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