
BILL BARRETT CORPORATION E-BILL

**Kaufman 41D-25-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
29-Jul-2011

Post Job Report

The Road to Excellence Starts with Safety

| | | | | | | | |
|---|--------------------------|---|--|---|------------------------|-------------------------------|--------------------------|
| Sold To #: 343492 | | Ship To #: 2848879 | | Quote #: | | Sales Order #: 8316380 | |
| Customer: BILL BARRETT CORPORATION E-BILL | | | | Customer Rep: Henderson, Josh | | | |
| Well Name: Kaufman | | | Well #: 41D-25-692 | | | API/UWI #: | |
| Field: MAMM CREEK | | City (SAP): SILT | | County/Parish: Garfield | | State: Colorado | |
| Lat: N 39.503 deg. OR N 39 deg. 30 min. 11.419 secs. | | | | Long: W 107.605 deg. OR W -108 deg. 23 min. 43.436 secs. | | | |
| Contractor: ProPetro Services Inc. | | | 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: ERIC CARTER | | | MBU ID Emp #: 345598 | |
| Job Personnel | | | | | | | |
| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs |
| CARTER, ERIC Earl | | 345598 | JAMISON, PRICE W | | 229155 | VANALSTYNE, TROY L | 420256 |
| Equipment | | | | | | | |
| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
| 10784064 | 120 mile | 10951251 | 120 mile | 11006314 | 120 mile | 11560046 | 120 mile |
| 11562538 | 120 mile | | | | | | |
| Job Hours | | | | | | | |
| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours |
| 7/29/11 | 6 | 1 | | | | | |
| TOTAL | | <i>Total is the sum of each column separately</i> | | | | | |
| Job | | | | Job Times | | | |
| Formation Name | | | | Date | | | |
| Formation Depth (MD) Top 0 Bottom 820 FT. | | | | Time 08:30 | | | |
| Form Type BHST | | | | Time Zone MST | | | |
| Job depth MD 820. ft | | | | Called Out 29 - Jul - 2011 | | | |
| Job Depth TVD 820. ft | | | | On Location 29 - Jul - 2011 | | | |
| Water Depth | | | | Job Started 29 - Jul - 2011 | | | |
| Wk Ht Above Floor 3. ft | | | | Job Completed 29 - Jul - 2011 | | | |
| Perforation Depth (MD) From To | | | | Job Times 18:33 | | | |
| Deparated Loc | | | | | | | |
| Well Data | | | | | | | |
| Description | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade |
| 12 1/4" Open Hole | | | 12.25 | | | | |
| 9 5/8" Surface Casing | New | | 9.625 | 8.921 | 36. | | J-55 |
| Sales/Rental/3rd Party (HES) | | | | | | | |
| Description | | | | | | Qty | Qty uom |
| 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 |
| Guide Shoe | | | | | Packer | | |
| Float Shoe | | | | | Bridge Plug | | |
| Float Collar | | | | | Retainer | | |
| Insert Float | | | | | | | |
| Stage Tool | | | | | | | |
| 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 | 5 | | |
| 2 | VersaCem Lead Cement | VERSACEM (TM) SYSTEM (452010) | 120.0 | sacks | 12.3 | 2.38 | 13.77 | 5 | 13.77 | |
| 13.77 Gal | | FRESH WATER | | | | | | | | |
| 3 | SwiftCem Tail Cement | SWIFTCEM (TM) SYSTEM (452990) | 120.0 | sacks | 14.2 | 1.43 | 6.85 | 5 | 6.85 | |
| 6.85 Gal | | FRESH WATER | | | | | | | | |
| 4 | Displacement | | 58.1 | bbl | . | .0 | .0 | 5 | | |
| Calculated Values | | Pressures | | Volumes | | | | | | |
| Displacement | 58.1 | Shut In: Instant | | Lost Returns | SOME | Cement Slurry | 81.5 | Pad | | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 8 | Actual Displacement | 58.1 | Treatment | | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | 159.6 | |
| Rates | | | | | | | | | | |
| Circulating | N/A | Mixing | 5 | Displacement | 5 | Avg. Job | 5 | | | |
| Cement Left In Pipe | Amount | 44.98ft | 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 | | | | | | |

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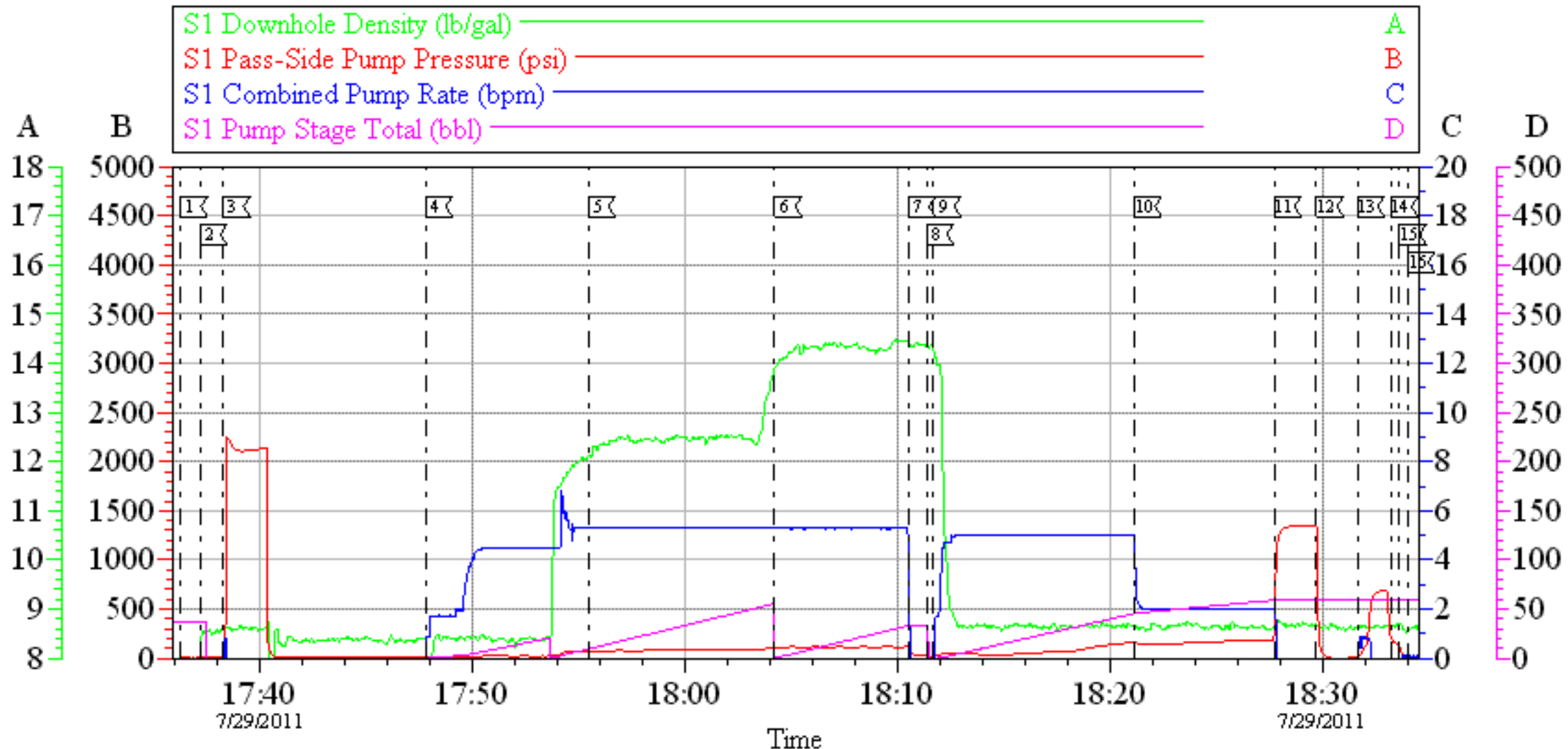
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 07/29/2011 08:30 | | | | | | | |
| Depart Yard Safety Meeting | 07/29/2011 10:50 | | | | | | | ATTENDED BY ALL HES CREW |
| Crew Leave Yard | 07/29/2011 11:00 | | | | | | | |
| Arrive At Loc | 07/29/2011 13:00 | | | | | | | RIG PULLING DP |
| Assessment Of Location Safety Meeting | 07/29/2011 13:10 | | | | | | | ATTENDED BY ALL HES CREW |
| Other | 07/29/2011 13:20 | | | | | | | SPOT EQUIPMENT |
| Pre-Rig Up Safety Meeting | 07/29/2011 13:30 | | | | | | | ATTENDED BY ALL HES CREW |
| Rig-Up Equipment | 07/29/2011 13:40 | | | | | | | |
| Pre-Job Safety Meeting | 07/29/2011 17:10 | | | | | | | ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP |
| Start Job | 07/29/2011 17:36 | | | | | | | TP 796.35', TD 820', SJ 44.98', FC 751.37', CASING 9.625", 36#, H-40, HOLE 12.25" |
| Other | 07/29/2011 17:37 | | 2 | 2 | | | 28.0 | FILL LINES WITH 6X5 |
| Test Lines | 07/29/2011 17:38 | | | | | | | PRESSURED UP TO 2200 PSI, PRESSURE HELD |
| Pump Spacer 1 | 07/29/2011 17:47 | | 5 | 20 | | | 34.0 | FRESH WATER |
| Pump Lead Cement | 07/29/2011 17:55 | | 5 | 50.9 | | | 110.0 | 120 SKS MIXED AT 12.3 PPG, 2.38 YIELD, 13.75 GL/SK |
| Pump Tail Cement | 07/29/2011 18:04 | | 5 | 30.6 | | | 140.0 | 120 SKS MIXED AT 14.2, 1.43 YIELD, 6.85 GL/SK |

Cementing Job Log

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|--|------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Shutdown | 07/29/2011 18:10 | | | | | | | |
| Drop Top Plug | 07/29/2011 18:11 | | | | | | | COMPANY REP VERIFIED THAT PLUG LAUNCHED |
| Pump Displacement | 07/29/2011 18:11 | | 5 | 40 | | | 140.0 | FRESH WATER |
| Slow Rate | 07/29/2011 18:21 | | 2 | 18.1 | | | 200.0 | |
| Bump Plug | 07/29/2011 18:27 | | | | | | 1340.0 | PLUG LANDED |
| Check Floats | 07/29/2011 18:29 | | | | | | | FLOATS DID NOT HOLD |
| Pressure Up | 07/29/2011 18:31 | | | | | | 700.0 | |
| Shut In Well | 07/29/2011 18:33 | | | | | | 220.0 | SHUT IN WELL WITH 2" LO-TORCH |
| Other | 07/29/2011 18:33 | | | | | | | RELEASE PRESSURE ON IRON |
| End Job | 07/29/2011 18:33 | | | | | | | GAINED CIRCULATION AT 39 BBLS DISPLACEMENT, 8 BBLS CEMENT TO SURFACE, PIPE WAS NOT MOVED DURING JOB, CEMENT FELL |
| Post-Job Safety Meeting (Pre Rig-Down) | 07/29/2011 18:35 | | | | | | | ATTENDED BY ALL HES CREW |
| Rig-Down Equipment | 07/29/2011 18:40 | | | | | | | |

BILL BARRETT

9.625" SURFACE/KAUFMAN 41D-25-692



Local Event Log

| | | | | | |
|-------------------|----------|--------------------|----------|-------------------------|----------|
| 1 STARTJOB | 17:36:15 | 2 FILL LINES | 17:37:10 | 3 TEST LINES | 17:38:15 |
| 4 PUMP H2O SPACER | 17:47:46 | 5 PUMP LEAD CEMENT | 17:55:25 | 6 PUMP TAIL CEMENT | 18:04:12 |
| 7 SHUTDOWN | 18:10:29 | 8 DROP TOP PLUG | 18:11:20 | 9 PUMP H2O DISPLACEMENT | 18:11:41 |
| 10 SLOWRATE | 18:21:08 | 11 BUMP PLUG | 18:27:42 | 12 CHECK FLOATS | 18:29:41 |
| 13 PRESSURE UP | 18:31:36 | 14 SHUT IN WELL | 18:33:12 | 15 RELEASE PRESSURE | 18:33:35 |
| 16 ENDJOB | 18:33:59 | | | | |

Customer: BILL BARRETT CORPORATION E-BILL
Well Description: Kaufman 41D-25-692
Company Rep: JOSH HENDERSON

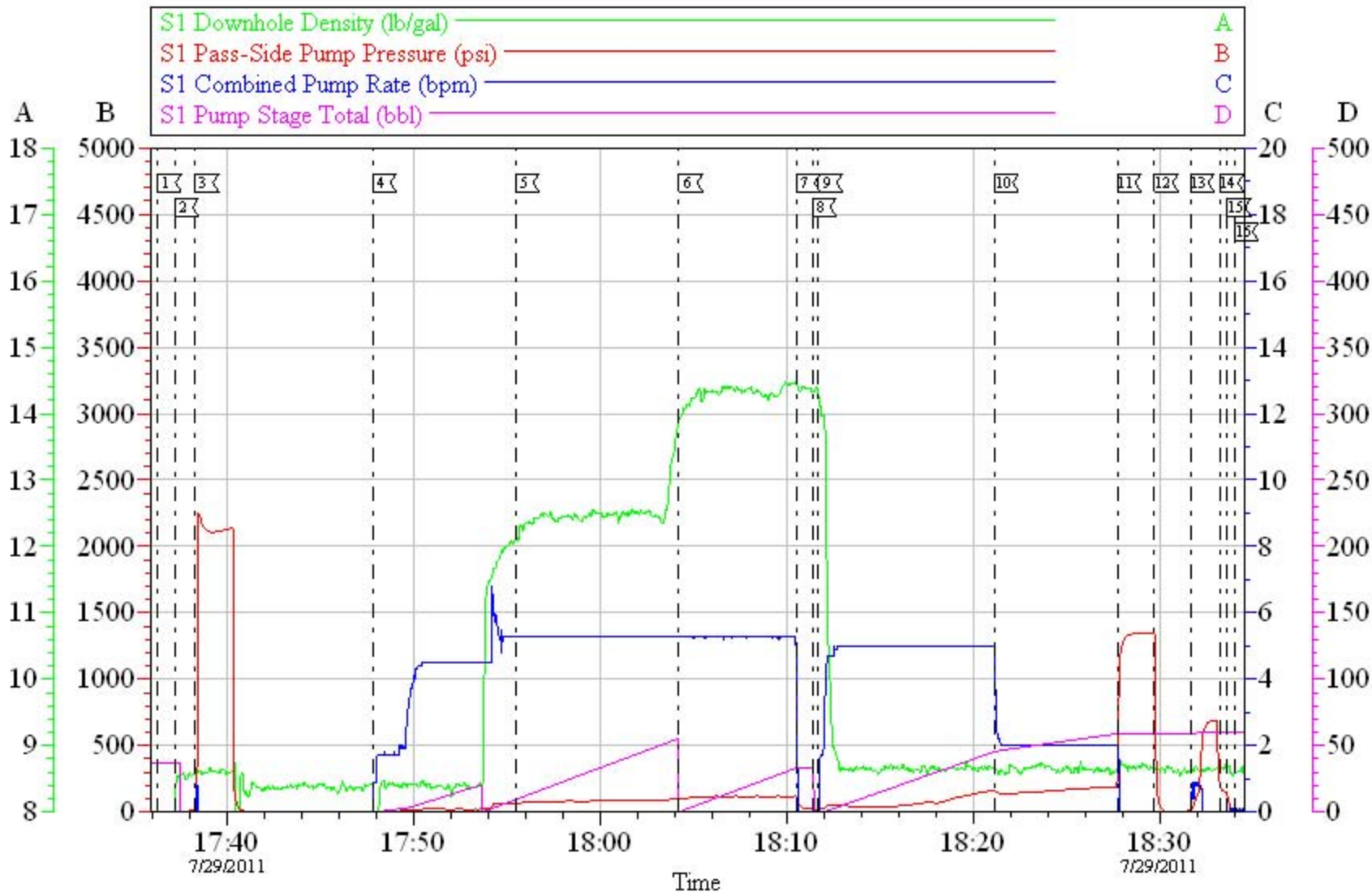
Job Date: 29-Jul-2011
Job Type: SURFACE
Cement Supervisor: ERIC CARTER

Sales Order #: 8316380
ADC Used: YES
Elite #/Operator: 5/BILL JAMISON

OptiCem v6.4.0
29-Jul-11 18:43

BILL BARRETT

9.625" SURFACE/KAUFMAN 41D-25-692



Customer: BILL BARRETT CORPORATION E-BILL
 Well Description: Kaufman 41D-25-692
 Company Rep: JOSH HENDERSON

Job Date: 29-Jul-2011
 Job Type: SURFACE
 Cement Supervisor: ERIC CARTER

Sales Order #: 8316380
 ADC Used: YES
 Elite #/Operator: 5/BILL JAMISON

OptiCem v6.4.0
 29-Jul-11 18:43

HALLIBURTON

Water Analysis Report

Company: PRO PETRO
Submitted by: ERIC CARTER
Attention: J.Trout
Lease: PETRO
Well #: KUAFMAN

Date: 7/29/2011
Date Rec.: 7/29/2011
S.O.#: 8316380
Job Type: SURFACE

| | | |
|-----------------------------|-------|-------------|
| Specific Gravity | MAX | 1 |
| pH | 8 | 7 |
| Potassium (K) | 5000 | 0 Mg / L |
| Hrdness | 500 | 120 Mg / L |
| Iron (FE2) | 300 | 0 Mg / L |
| Chlorides (Cl) | 3000 | 0 Mg / L |
| Sulfates (SO ₄) | 1500 | <200 Mg / L |
| Temp | 40-80 | 75 Deg |
| Total Dissolved Solids | | 260 Mg / L |

Respectfully: ERIC CARTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

| | | |
|---|--|---|
| Sales Order #: 8316380 | Line Item: 10 | Survey Conducted Date: 7/29/2011 |
| Customer: BILL BARRETT CORPORATION E-BILL | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: JOSH HENDERSON | | API / UWI: (leave blank if unknown) AFEYCOJ3A0JSBIMVAAA |
| Well Name: Kaufman | | Well Number: 41D-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 | 7/29/2011 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | ERIC CARTER (HX15491) |
| 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

| | | |
|---|--|---|
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| Customer Representative: JOSH HENDERSON | | API / UWI: (leave blank if unknown) AFEYCOJ3A0JSBIMVAAA |
| Well Name: Kaufman | | Well Number: 41D-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 | 7/29/2011 |

| 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. | 3 |
| 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 | 5 |
| 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 |

| | | |
|---|--|---|
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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 |