
BILL BARRETT CORPORATION

**KAUFMAN 12D-25-692
MAMM CREEK
Garfield County , Colorado**

Cement Surface Casing
05-Dec-2011

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|------------------------------------------------------------|---------------------------|-----------------------------------------------------------------|-------------------------------|
| Sold To #: 343492 | Ship To #: 2894938 | Quote #: | Sales Order #: 9112128 |
| Customer: BILL BARRETT CORPORATION E-BILL | | Customer Rep: Lauer, Casey | |
| Well Name: KAUFMAN | Well #: 12D-25-692 | API/UWI #: 05-045-21143 | |
| Field: MAMM CREEK | City (SAP): SILT | County/Parish: Garfield | State: Colorado |
| Lat: N 39.502 deg. OR N 39 deg. 30 min. 8.366 secs. | | Long: W 107.618 deg. OR W -108 deg. 22 min. 53.526 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: ARNOLD, EDWARD | MBU ID Emp #: 439784 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|--------------------------|---------|--------|---------------------|---------|--------|--------------------------|---------|--------|
| ANDREWS, ANTHONY Michael | 4 | 321604 | ARNOLD, EDWARD John | 4 | 439784 | BRENNECKE, ANDREW Bailey | 4 | 486345 |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10867531 | 120 mile | 10989685 | 120 mile | 11360871 | 120 mile | 11542767 | 120 mile |
| 11583933 | 120 mile | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|-----------|-------------------|-----------------|-----------|-------------------|-----------------|------|-------------------|-----------------|
| 12.4.2011 | 2 | .25 | 12.5.2011 | 2 | 2 | | | |

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 | 04 - Dec - 2011 | 16:30 | MST |
| Form Type | | BHST | Job Started | 04 - Dec - 2011 | 22:00 | MST |
| Job depth MD | 735. ft | Job Depth TVD | Job Started | 05 - Dec - 2011 | 00:28 | MST |
| Water Depth | | Wk Ht Above Floor | Job Completed | 05 - Dec - 2011 | 01:24 | MST |
| Perforation Depth (MD) | From | To | Departed Loc | 05 - Dec - 2011 | 02:00 | MST |

Well Data

| Description | 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 |
|----------------|------------|-------------------|---------|--------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Open Hole | | | | 12.375 | | | | . | 735. | | |
| Surface Casing | Unknown | | 9.625 | 8.921 | 36. | | J-55 | . | 716.2 | | |

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 | | |

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 | 3 | |
| 2 | VERSACEM | VERSACEM (TM) SYSTEM (452010) | 120.0 | sacks | 12.3 | 2.38 | 13.77 | 6 | 13.77 |
| | 0.25 lbm | POLY-E-FLAKE (101216940) | | | | | | | |
| | 13.77 Gal | FRESH WATER | | | | | | | |
| 3 | SWIFTCEM | SWIFTCEM (TM) SYSTEM (452990) | 120.0 | sacks | 14.2 | 1.43 | 6.85 | 6 | 6.85 |
| | 0.25 lbm | POLY-E-FLAKE (101216940) | | | | | | | |
| | 6.85 Gal | FRESH WATER | | | | | | | |
| 4 | DISPLACEMENT | | 51.00 | bbl | 9. | | | 6 | |
| Calculated Values | | Pressures | | | Volumes | | | | |
| <i>Displacement</i> | 51.9 | Shut In: Instant | | Lost Returns | | <i>Cement Slurry</i> | 81.4 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 17 | Actual Displacement | 51.9 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | 153.3 |
| Rates | | | | | | | | | |
| <i>Circulating</i> | | <i>Mixing</i> | 6 | <i>Displacement</i> | 6 | Avg. Job | | 6 | |
| <i>Cement Left In Pipe</i> | Amount | 44.7 ft | <i>Reason</i> | Shoe Joint | | | | | |
| <i>Frac Ring # 1 @</i> | <i>ID</i> | <i>Frac ring # 2 @</i> | <i>ID</i> | <i>Frac Ring # 3 @</i> | <i>ID</i> | <i>Frac Ring # 4 @</i> | <i>ID</i> | | |
| <i>The Information Stated Herein Is Correct</i> | | | | Customer Representative Signature | | | | | |

The Road to Excellence Starts with Safety

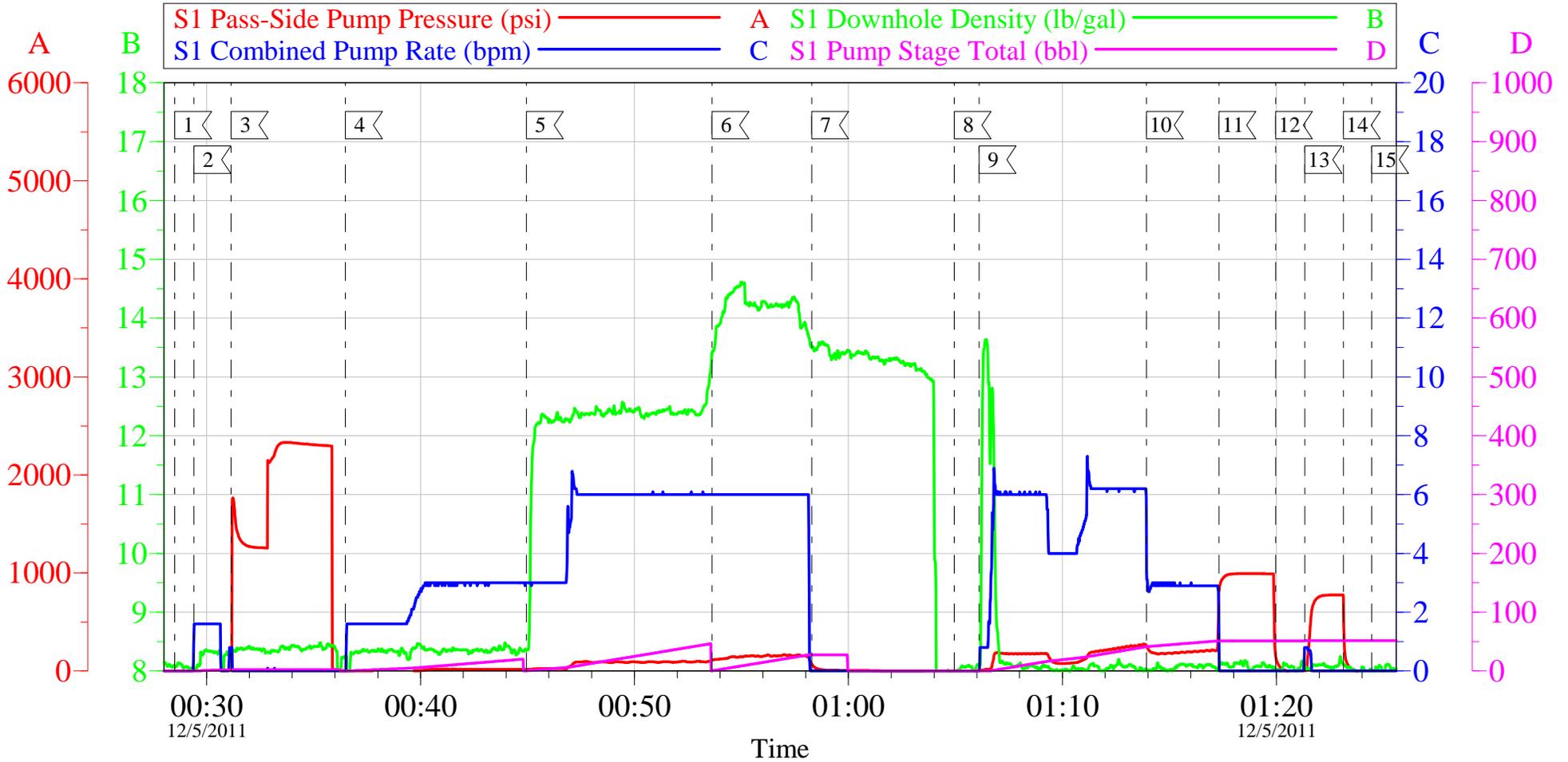
| | | | |
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| Well Name: KAUFMAN | | Well #: 12D-25-692 | API/UWI #: 05-045-21143 |
| Field: MAMM CREEK | City (SAP): SILT | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.502 deg. OR N 39 deg. 30 min. 8.366 secs. | | Long: W 107.618 deg. OR W -108 deg. 22 min. 53.526 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: ARNOLD, EDWARD | MBU ID Emp #: 439784 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--------------------------------------------------------------------------------------------------|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 12/04/2011 16:30 | | | | | | | |
| Pre-Convoy Safety Meeting | 12/04/2011 19:45 | | | | | | | Including entire cement crew. |
| Crew Leave Yard | 12/04/2011 20:00 | | | | | | | |
| Arrive At Loc | 12/04/2011 21:45 | | | | | | | Rig still Running casing. |
| Assessment Of Location Safety Meeting | 12/04/2011 21:50 | | | | | | | Water; PH 7; KCL 250; So4 <200; Fe 0; Calcium 120; Chlorides 0; Temp 40; TDS 190. |
| Pre-Rig Up Safety Meeting | 12/04/2011 22:51 | | | | | | | Including entire cement crew. |
| Rig-Up Equipment | 12/04/2011 23:45 | | | | | | | 1 Elite # 1; 1 660 bulk truck; 1hard line to well head; 1 line to upright. 9.625" screw in head. |
| Rig-Up Completed | 12/05/2011 00:15 | | | | | | | |
| Pre-Job Safety Meeting | 12/05/2011 00:20 | | | | | | | Including everyone on location. |
| Start Job | 12/05/2011 00:28 | | | | | | | TD 735; TP 716.21; SJ 44.77; OH 12 3/8; Casing 9.625" 36# J-55; air drilled hole. |
| Pump Water | 12/05/2011 00:29 | | 2 | 2 | | | .0 | Fill lines with fresh water. |
| Test Lines | 12/05/2011 00:31 | | | | | 2332.0 | | Good pressure test, no leaks. |
| Pump Spacer 1 | 12/05/2011 00:36 | | 3 | 20 | | | 20.0 | 20 BBL fresh water spacer. |
| Pump Lead Cement | 12/05/2011 00:44 | | 6 | 50.8 | | | 147.0 | 120 sks Lead Cement, 12.3 ppg, 2.38 cf3, 13.77 gal/sk. |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|-----------------------------|------------------|-------|--------------|------------|-------|---------------|--------|--------------------------------------------------------------------------|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Tail Cement | 12/05/2011 00:53 | | 6 | 30.6 | | | 156.0 | 120 sks Tail Cement, 14.2 ppg, 1.43 cf3, 6.85 gal/sk. |
| Shutdown | 12/05/2011 00:58 | | | | | | | |
| Drop Plug | 12/05/2011 01:04 | | | | | | | Moved line to top valve to drop plug. Plug was stuck in container. |
| Pump Displacement | 12/05/2011 01:06 | | 6 | 41.9 | | | 275.0 | Fresh water displacement. 17 BBL of good cement to surface. |
| Slow Rate | 12/05/2011 01:13 | | 3 | 10 | | | 208.0 | Slow rate 10 BBL's prior to bumping the plug. |
| Bump Plug | 12/05/2011 01:17 | | | | 51.9 | | 900.0 | Bumped plug, took 500 PSI over. |
| Check Floats | 12/05/2011 01:19 | | | | | | | Floats were leaking, closed release line and rebumped plug. .5 BBL back. |
| Bump Plug | 12/05/2011 01:21 | | 1 | 0.5 | | | 780.0 | Rebumped Plug. |
| Check Floats | 12/05/2011 01:23 | | | | | | | Rechecked Floats. Floats Held. .5 BBL Back. |
| End Job | 12/05/2011 01:24 | | | | | | | |
| Pre-Rig Down Safety Meeting | 12/05/2011 01:30 | | | | | | | Including entire cement crew. |
| Rig-Down Equipment | 12/05/2011 01:35 | | | | | | | |
| Rig-Down Completed | 12/05/2011 02:00 | | | | | | | |
| Crew Leave Location | 12/05/2011 02:00 | | | | | | | Crew Waiting on location for next job. |
| Other | 12/05/2011 02:00 | | | | | | | Thank You for using Halliburton. Ed Arnold and Crew. |

BILL BARRETT Kaufman 12D-25-692

9 5/8" Surface

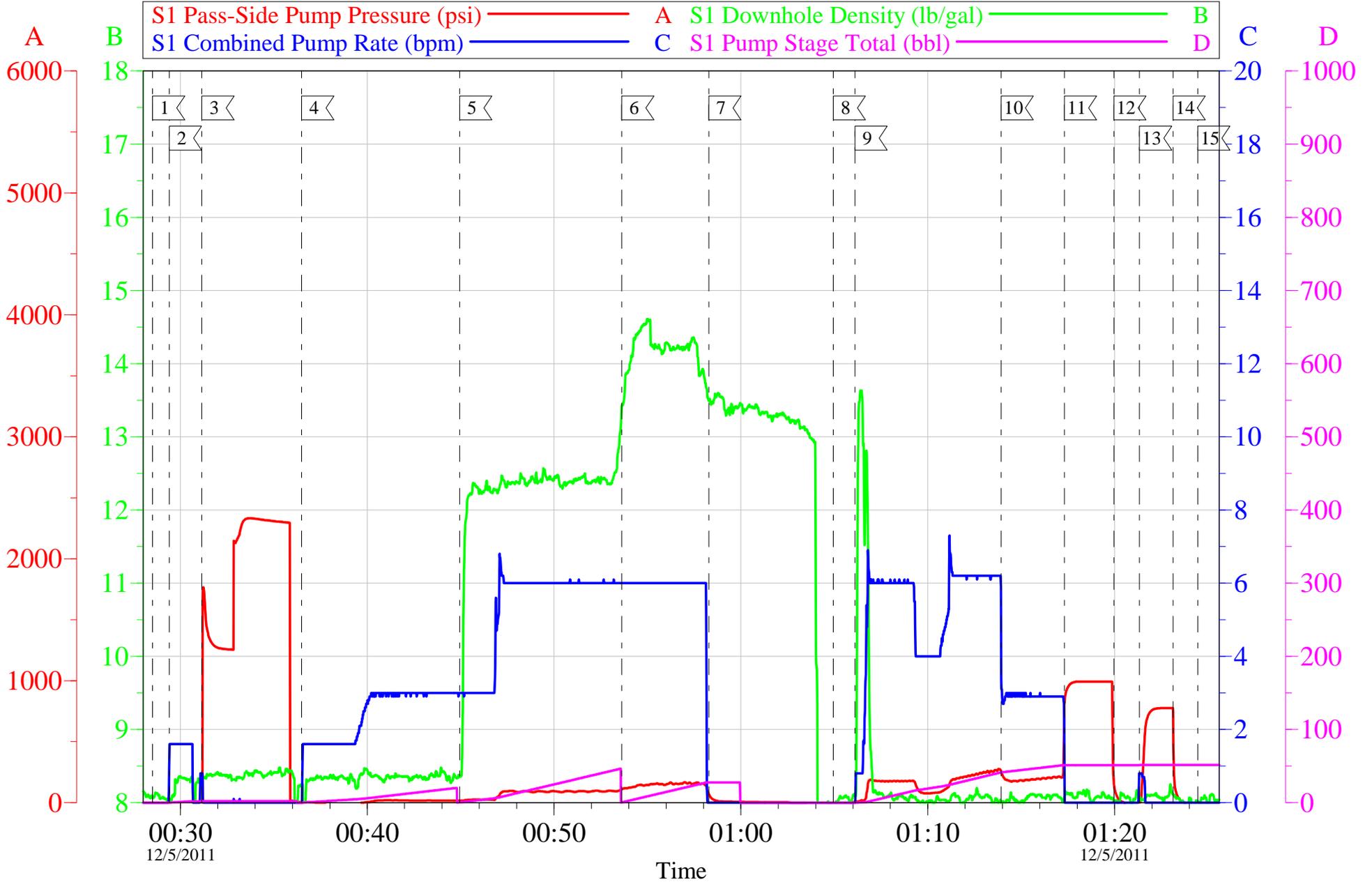


| Local Event Log | | | | | | | | |
|-----------------|------------|----------|----|--------------|----------|----|------------------|----------|
| 1 | Staer Job | 00:28:30 | 2 | Fill Lines | 00:29:24 | 3 | Test Lines | 00:31:09 |
| 4 | H2O Spacer | 00:36:30 | 5 | Lead Cement | 00:44:57 | 6 | Tail Cement | 00:53:37 |
| 7 | Shut Down | 00:58:17 | 8 | Drop Plug | 01:04:57 | 9 | H2O Displacement | 01:06:06 |
| 10 | Slow Rate | 01:13:56 | 11 | Bump Plug | 01:17:19 | 12 | Check floats | 01:19:57 |
| 13 | Bump Plug | 01:21:20 | 14 | Check Floats | 01:23:08 | 15 | End Job | 01:24:27 |

| | | |
|--------------------------------------|------------------------------|----------------------------|
| Customer: Bill Barrett | Job Date: 05-Dec-2011 | Sales Order #: 9112128 |
| Well Description: Kaufman 12D-25-692 | Job Type: Surface | ADC Used: Yes |
| Company Rep: Cassey Lauer | Cement Supervisor: Ed Arnold | Elite #1: Andrew Brennecke |

BILL BARRETT Kaufman 12D-25-692

9 5/8" Surface



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|--------------------------------------|------------------------------|----------------------------|
| Customer: Bill Barrett | Job Date: 05-Dec-2011 | Sales Order #: 9112128 |
| Well Description: Kaufman 12D-25-692 | Job Type: Surface | ADC Used: Yes |
| Company Rep: Cassey Lauer | Cement Supervisor: Ed Arnold | Elite #1: Andrew Brennecke |

HALLIBURTON

Water Analysis Report

Company: Bill Barrett Date: 12/5/2011
Submitted by: ED ARNOLD Date Rec.: 12/5/2011
Attention: J.TROUT S.O.#: 9112128
Lease: Kaufman Job Type: Surface
Well #: 12D-25-692

| | | |
|-----------------------------|--------------|-----------------------|
| Specific Gravity | <i>MAX</i> | 1 |
| pH | <i>8</i> | 7 |
| Potassium (K) | <i>5000</i> | 250 Mg / L |
| Calcium (Ca) | <i>500</i> | 120 Mg / L |
| Iron (FE2) | <i>300</i> | 0 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> | 40 Deg |
| Total Dissolved Solids | | 190 Mg / L |

Respectfully: ED ARNOLD

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 #: 9112128 | Line Item: 10 | Survey Conducted Date: 12/5/2011 |
| Customer: BILL BARRETT CORPORATION E-BILL | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: CASSEY LAUER | | API / UWI: (leave blank if unknown) 05-045-21143 |
| Well Name: KAUFMAN | | Well Number: 12D-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 | 12/5/2011 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | EDWARD ARNOLD (HX46731) |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | CASSEY 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: CASSEY LAUER | | API / UWI: (leave blank if unknown) 05-045-21143 |
| Well Name: KAUFMAN | | Well Number: 12D-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 | 12/5/2011 |
| 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) | 3 |
| 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 | Workover |
| Type Of Rig (classification) Job Was Performed On | |
| Number Of JSAs Performed | 5 |
| 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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| Customer: BILL BARRETT CORPORATION E-BILL | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: CASSEY LAUER | | API / UWI: (leave blank if unknown) 05-045-21143 |
| Well Name: KAUFMAN | | Well Number: 12D-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 | 95 |
| 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 | 96 |
| 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 |