
BILL BARRETT CORPORATION E-BILL

**Kaufman 12A-25-692
MAMM CREEK
Garfield County , Colorado**

**Cement Surface Casing
18-May-2011**

Post Job Report

The Road to Excellence Starts with Safety

| | | | |
|---|---------------------------|---|--------------------------------|
| Sold To #: 343492 | Ship To #: 2854159 | Quote #: | Sales Order #: 8108103 |
| Customer: BILL BARRETT CORPORATION E-BILL | | Customer Rep: South, Jodi | |
| Well Name: Kaufman | | Well #: 12A-25-692 | API/UWI #: 05-045-19656 |
| Field: MAMM CREEK | City (SAP): SILT | County/Parish: Garfield | State: Colorado |
| Lat: N 39.497 deg. OR N 39 deg. 29 min. 49.589 secs. | | Long: W 107.619 deg. OR W -108 deg. 22 min. 51.679 secs. | |
| Contractor: Pro Petro | | Rig/Platform Name/Num: Pro Petro | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: METLI, MARSHALL | | Srvc Supervisor: TRIPLETT, MICHEAL | MBU ID Emp #: 447908 |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|------------------------------|---------|--------|--------------------------------|---------|--------|-----------------------------|---------|--------|
| DEUSSEN, EDWARD Eric | 17 | 485182 | MILLER II, MATTHEW Reginald | 17 | 425164 | SILVERTHORN, AARON Jacob | 17 | 491305 |
| TRIPLETT, MICHEAL Anthony | 17 | 447908 | | | | | | |

Equipment

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10567589C | 120 mile | 10784080 | 120 mile | 10804579 | 120 mile | 10951246 | 120 mile |
| 10995027 | 120 mile | | | | | | |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 05/18/2011 | 17 | 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 | 18 - May - 2011 | 17:00 | MST |
| Form Type | | BHST | Job Started | 18 - May - 2011 | 19:12 | MST |
| Job depth MD | 810. ft | Job Depth TVD | 810. ft | Job Completed | 18 - May - 2011 | 20:05 |
| Water Depth | | Wk Ht Above Floor | 4. ft | Departed Loc | | |
| Perforation Depth (MD) | From | To | | | | |

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 |
|--|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 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 | | | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | | | |
| 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 | |
| | | | | | | | | | | |

| 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 | .0 | |
| 2 | VersaCem Lead Cement | VERSACEM (TM) SYSTEM (452010) | 120.0 | sacks | 12.3 | 2.38 | 13.75 | | 13.75 |
| | 13.75 Gal | FRESH WATER | | | | | | | |
| 3 | SwiftCem Tail Cement | SWIFTCEM (TM) SYSTEM (452990) | 120.0 | sacks | 14.2 | 1.43 | 6.85 | | 6.85 |
| | 6.85 Gal | FRESH WATER | | | | | | | |
| 4 | Displacement | | 57.00 | bbl | . | .0 | .0 | .0 | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 57.5 | Shut In: Instant | | Lost Returns | 0 | Cement Slurry | 81 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | 25 | Actual Displacement | | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | 158 |
| Rates | | | | | | | | | |
| Circulating | 0 | Mixing | 7 | Displacement | 10 | Avg. Job | 8 | | |
| Cement Left In Pipe | Amount | 44.30 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 | | | | | |

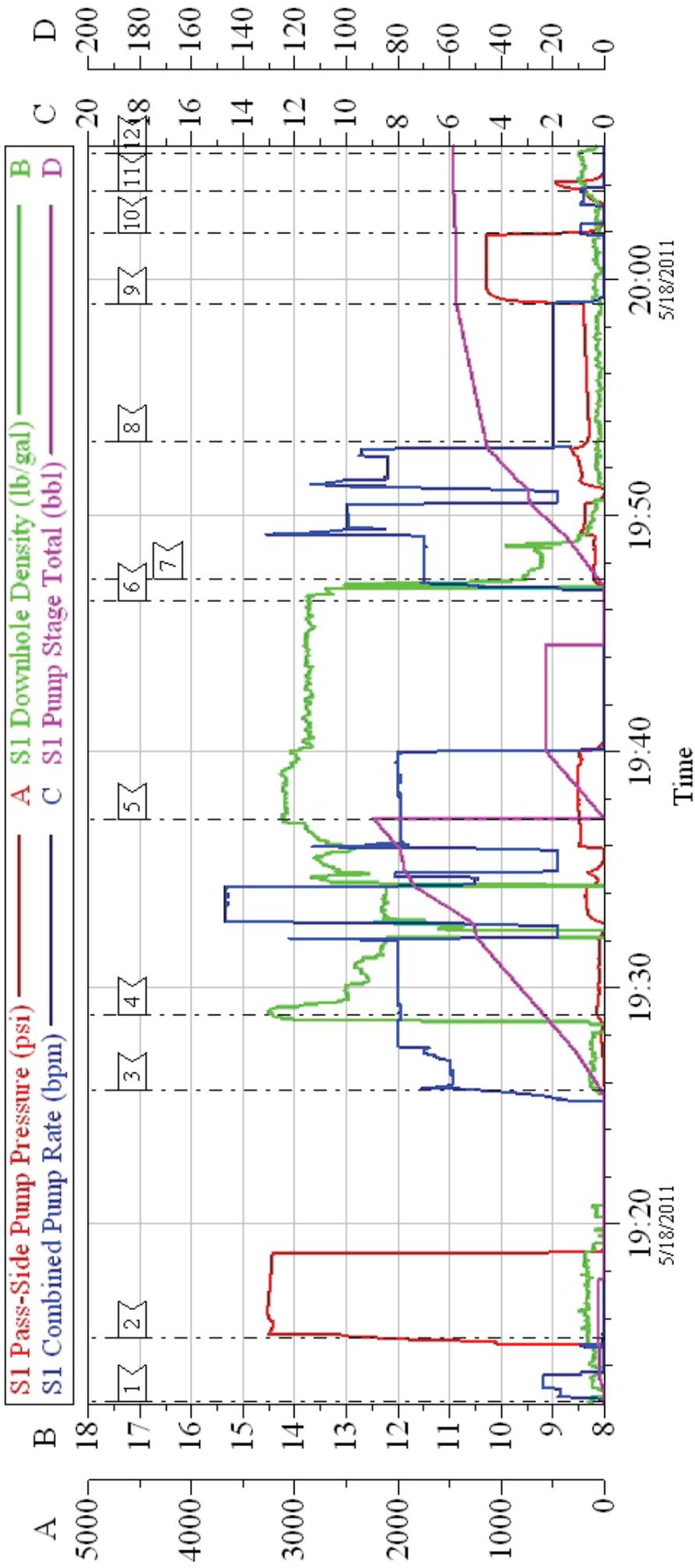
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| Field: MAMM CREEK | City (SAP): SILT | County/Parish: Garfield | State: Colorado |
| Legal Description: | | | |
| Lat: N 39.497 deg. OR N 39 deg. 29 min. 49.589 secs. | | Long: W 107.619 deg. OR W -108 deg. 22 min. 51.679 secs. | |
| Contractor: Pro Petro | | Rig/Platform Name/Num: Pro Petro | |
| Job Purpose: Cement Surface Casing | | | Ticket Amount: |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: METLI, MARSHALL | | Srvc Supervisor: TRIPLETT, MICHEAL | MBU ID Emp #: 447908 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pre-Rig Up Safety Meeting | 05/18/2011 18:30 | | | | | | | STAYED ON LOCATION FROM PREVIOUS SURFACE JOB, GO OVER JSA AND HAVE CREW SIGN. |
| Rig-Up Equipment | 05/18/2011 18:35 | | | | | | | |
| Pre-Job Safety Meeting | 05/18/2011 19:00 | | | | | | | GO OVER SAFETY INFORMATION AND JOB PROCEDURES |
| Start Job | 05/18/2011 19:12 | | | | | | | TD:810', TP:787.55', SJ:44.30', MW:AIR, CASING: 9.625 36#, OH: 12.375" |
| Test Lines | 05/18/2011 19:15 | | | | | | 3250.0 | PRESSURE TEST LINES AND PUMPS HOLD FOR TWO MINUTES. STARTED AT 3277PSI AND 3247 ENDED AT PSI, DROPPED 30PSI IN 2 MINUTES |
| Pump Spacer 1 | 05/18/2011 19:25 | | 5 | 20 | | | 147.0 | FRESH WATER |
| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
| | | | | Stage | Total | Tubing | Casing | |

| | | | | | | | | |
|-------------------|---------------------|--|----|------|--|--|-------|---|
| Pump Lead Cement | 05/18/2011 19:28 | | 6 | 50.9 | | | 195.0 | 120 SACKS MIXED @ 12.3, 2.38 YIELD, 13.75GAL/SACK, STARTED PUMPING CEMENT WAS A LITTLE HIGH DUE TO NOT CLOSING CEMENT VALVE ALL THE WAY. WHILE PUMPING CEMENT OPERATOR FORGOT TO CLOSE RELEASE AND WAS GOING INTO DISPLACEMENT TANKS, CLOSED RELEASE AND CONTIUED PUMPING CEMENT. |
| Pump Tail Cement | 05/18/2011 19:37 | | 8 | 30.6 | | | 240.0 | 120 SACKS MIXED @ 14.2, 1.43 YIELD, 6.85GAL/SACK |
| Shutdown | 05/18/2011 19:46 | | | | | | | |
| Drop Top Plug | 05/18/2011 19:47 | | | | | | | UNSCREW SWAGE AND DROP PLUG |
| Pump Displacement | 05/18/2011 19:48 | | 10 | 57.5 | | | 360.0 | FRESHWATER, WASHED UP ON TOP OF PLUG PER COMPANY REP, RATE WAS ALL OVER THE PLACE DUE TO WASH UP ONTOP OF PLUG AND FLUID RATE COMING OUT OF HOLE. |
| Slow Rate | 05/18/2011 19:53 | | | 47.5 | | | 196.0 | SLOWRATE LAST 10BBLs PRIOR TO BUMPING PLUG. |
| Bump Plug | 05/18/2011 19:58 | | | | | | 250.0 | BUMP PLUG AND WENT 500PSI OVER TO PSI |
| Check Floats | 05/18/2011 20:01 | | | | | | | FLOATS DIDN'T HOLD, PUT 300 PSI ON AND CLOSED 2" VALVE. |
| End Job | 05/18/2011 20:05 | | | | | | | STAYED ON LOCATION FOR NEXT SURFACE JOB. THANKS FOR USING HALLIBURTON MIKE TRIPLETT AND CREW. |

SURFACE PA 342-12



Local Event Log

| | | | | | |
|----|-------------------------|----------|----|-------------------|----------|
| 1 | START JOB | 19:12:28 | 2 | PRESSURE TEST | 19:15:11 |
| 3 | START FRESHWATER SPACER | 19:25:41 | 4 | START LEAD CEMENT | 19:28:53 |
| 5 | START TAIL CEMENT | 19:37:06 | 6 | SHUTDOWN | 19:46:25 |
| 7 | START DISPLACEMENT | 19:47:19 | 8 | SLOWRATE | 19:53:08 |
| 9 | BUMP PLUG | 19:58:57 | 10 | CHECK FLOATS | 20:01:57 |
| 11 | PUT 300 PSI ON FLOAT | 20:03:45 | 12 | END JOB | 20:05:21 |

| | | |
|-------------------|---------------------|----------------|
| Customer: | Job Date: | Sales Order # |
| Well Description: | 18-May-2011 | 8108103 |
| ADC USED: | JOB TYPE: | COMPANY REP. |
| | SERVICE SUPERVISOR: | ELITE/OPERATER |

| EVENT # | EVENT | VOLUME | SACKS | WEIGHT | YIELD | GAL/ SK |
|------------------------------------|------------------------|---|-----------------------------------|------------|----------|---------|
| 1 | Start Job | | 3968 <u>Max Psi</u> | | | |
| 6 | Test Lines | 3000.0 | | | | |
| 10 | FRESHWATER | 20.0 | | | | |
| 13 | Lead Cement | 50.9 | 120 | 12.3 | 2.38 | 13.75 |
| 15 | Tail Cement | 30.6 | 120 | 14.2 | 1.43 | 6.85 |
| 22 | Drop Plug | | | | | |
| 23 | KCL DISPLACEMENT | 57.5 | | | | |
| | SLOW RATE | 47.5 | | | | |
| 26 | Land Plug | 195+500 | | | | |
| 2 | Release Psi / Job Over | | | | | |
| | | | | | | |
| | | | Do Not Overdisplace | | | |
| DISPLACEMENT | TOTAL PIPE | SHOE JOINT LENGTH | FLOAT COLLAR | BBL/FT | H2O REQ. | |
| 57.45 | 787.55 | 44.30 | 743.25 | 0.0773 | 150 | |
| PSI to Lift Pipe | 389 | <u>*****Use Mud Scales on Each Tier*****</u> | | | | |
| Total Displacement | 57.45 | | | | | |
| CALCULATED DIFFERENTIAL PSI | | 195 | TOTAL FLUID PUMPED | | 160 | |
| Collapse | 4960 | Burst | 5350 | SO# | 8108103 | |

| | | |
|---|--|--|
| Sales Order #: 8108103 | Line Item: 10 | Survey Conducted Date: 5/18/2011 |
| Customer: BILL BARRETT CORPORATION E-BILL | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: JOSH HENDERSON | | API / UWI: (leave blank if unknown) 05-045-19656 |
| Well Name: Kaufman | | Well Number: 12A-25-692 |
| Well Type: Development Well | Well Country: United States of America | |
| H2S Present: | 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 | 5/18/2011 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | MICHEAL TRIPLETT (HB15721) |
| 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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| H2S Present: | Well State: Colorado | Well County: Garfield |

KEY PERFORMANCE INDICATORS

| General | |
|-----------------------------------|-----------|
| Survey Conducted Date | 5/18/2011 |
| 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 | 7 |
| 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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| H2S Present: | 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 | 95 |
| 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 |