

BILL BARRETT CORPORATION E-BILL  
DO NOT MAIL-1099 18TH ST,STE 2300W  
DENVER, Colorado

MILLER  
MILLER 33D-6-791

**BILL BARRETT/PETRO PLUS**

## **Post Job Summary** **Cement Surface Casing**

Prepared for:  
Date Prepared:  
Version: 1

Service Supervisor: SMITH, DUSTIN

Submitted by:

**HALLIBURTON**

*The Road to Excellence Starts with Safety*

|   |                           |   |                                |
|---|---------------------------|---|--------------------------------|
| <b>Sold To #:</b> 343492                                    | <b>Ship To #:</b> 2794300 | <b>Quote #:</b>   | <b>Sales Order #:</b> 7493991  |
| <b>Customer:</b> BILL BARRETT CORPORATION E-BILL            |                           | <b>Customer Rep:</b> South, Jodi                                |                                |
| <b>Well Name:</b> MILLER                                    |                           | <b>Well #:</b> 33D-6-791  | <b>API/UWI #:</b> 05-045-18667 |
| <b>Field:</b> MAMM CREEK                                    | <b>City (SAP):</b> SILT   | <b>County/Parish:</b> Garfield                                  | <b>State:</b> Colorado         |
| <b>Lat:</b> N 39.477 deg. OR N 39 deg. 28 min. 36.451 secs. |                           | <b>Long:</b> W 107.595 deg. OR W -108 deg. 24 min. 18.277 secs. |                                |
| <b>Contractor:</b> BILL BARRETT                             |                           | <b>Rig/Platform Name/Num:</b> PETRO PLUS                        |                                |
| <b>Job Purpose:</b> Cement Surface Casing                   |                           |   |                                |
| <b>Well Type:</b> Development Well                          |                           | <b>Job Type:</b> Cement Surface Casing                          |                                |
| <b>Sales Person:</b> METLI, MARSHALL                        |                           | <b>Srvc Supervisor:</b> SMITH, DUSTIN                           | <b>MBU ID Emp #:</b> 418015    |

**Job Personnel**

| HES Emp Name             | Exp Hrs | Emp #  | HES Emp Name                | Exp Hrs | Emp #  | HES Emp Name             | Exp Hrs | Emp #  |
|--------------------------|---------|--------|-----------------------------|---------|--------|--------------------------|---------|--------|
| Hoefler, Dennis          | 3       | 369666 | MUHLESTEIN, RYAN<br>Herrick | 3       | 453609 | SLAUGHTER, JESSE<br>Dean | 3       | 454315 |
| SMITH, DUSTIN<br>Michael | 3       | 418015 |                             |         |        |                          |         |        |

**Equipment**

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10296152C  | 120 mile       | 10897797   | 120 mile       | 11021972   | 120 mile       | 11027039   | 120 mile       |
| 11259882   | 120 mile       |            |                |            |                |            |                |

**Job Hours**

| Date     | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|----------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 07/14/10 | 3                 | 2               |      |                   |                 |      |                   |                 |

**TOTAL** *Total is the sum of each column separately*

**Job**

**Job Times**

| Formation Name                | Top         | Bottom                   | Called Out          | Date                 | Time            | Time Zone |
|-------------------------------|-------------|--------------------------|---------------------|----------------------|-----------------|-----------|
| <b>Formation Depth (MD)</b>   |             |                          |                     |                      |                 |           |
| <b>Form Type</b>              |             | BHST                     | <b>On Location</b>  |                      |                 |           |
| <b>Job depth MD</b>           | 740. ft     | <b>Job Depth TVD</b>     | 723. ft             | <b>Job Started</b>   | 14 - Jul - 2010 | 21:14 MST |
| <b>Water Depth</b>            |             | <b>Wk Ht Above Floor</b> | . ft                | <b>Job Completed</b> | 14 - Jul - 2010 | 21:47 MST |
| <b>Perforation Depth (MD)</b> | <b>From</b> | <b>To</b>                | <b>Departed Loc</b> |                      |                 |           |

**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/3<sup>rd</sup> 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 5/8 | 1   |      |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |       |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |       |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container | 9 5/8 | 1   |      |
| 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 <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |  |
|                 |            |            |     |         |                        |                           |                  |              |                        |  |

|   |              |                               |        |                                   |                |                     |       |           |       |
|---|--------------|-------------------------------|--------|-----------------------------------|----------------|---------------------|-------|-----------|-------|
| 1   | WATER SPACER |                               | 10     | bbl                               | .              | .0                  | .0    | 6.0       |       |
| 2   | Lead Cement  | VERSACEM (TM) SYSTEM (452010) | 120    | sacks                             | 12.3           | 2.38                | 13.75 | 6         | 13.75 |
|   | 13.75 Gal    | FRESH WATER                   |        |                                   |                |                     |       |           |       |
| 3   | Tail Cement  | SWIFTCEM (TM) SYSTEM (452990) | 120    | sacks                             | 14.2           | 1.43                | 6.88  | 6         | 6.72  |
|   | 6.715 Gal    | FRESH WATER                   |        |                                   |                |                     |       |           |       |
| 4   | DISPLACEMENT |                               | 52.4   | bbl                               | .              | .0                  | .0    | 7.0       |       |
| <b>Calculated Values</b>                        |              | <b>Pressures</b>              |        |                                   | <b>Volumes</b> |                     |       |           |       |
| Displacement                                    | 52.4         | Shut In: Instant              |        | Lost Returns                      | 0              | Cement Slurry       | 81    | Pad       |       |
| Top Of Cement                                   | SURFACE      | 5 Min                         |        | Cement Returns                    | 32             | Actual Displacement | 52.4  | Treatment |       |
| Frac Gradient                                   |              | 15 Min                        |        | Spacers                           | 10             | Load and Breakdown  |       | Total Job |       |
| <b>Rates</b>                                    |              |                               |        |                                   |                |                     |       |           |       |
| Circulating                                     |              | Mixing                        |        | Displacement                      |                | Avg. Job            |       |           |       |
| Cement Left In Pipe                             | Amount       | 44.7 ft                       | Reason | Shoe Joint                        |                |                     |       |           |       |
| Frac Ring # 1 @                                 | ID           | Frac ring # 2 @               | ID     | Frac Ring # 3 @                   | ID             | Frac Ring # 4 @     | ID    | ID        | ID    |
| <b>The Information Stated Herein Is Correct</b> |              |                               |        | Customer Representative Signature |                |                     |       |           |       |

*The Road to Excellence Starts with Safety*

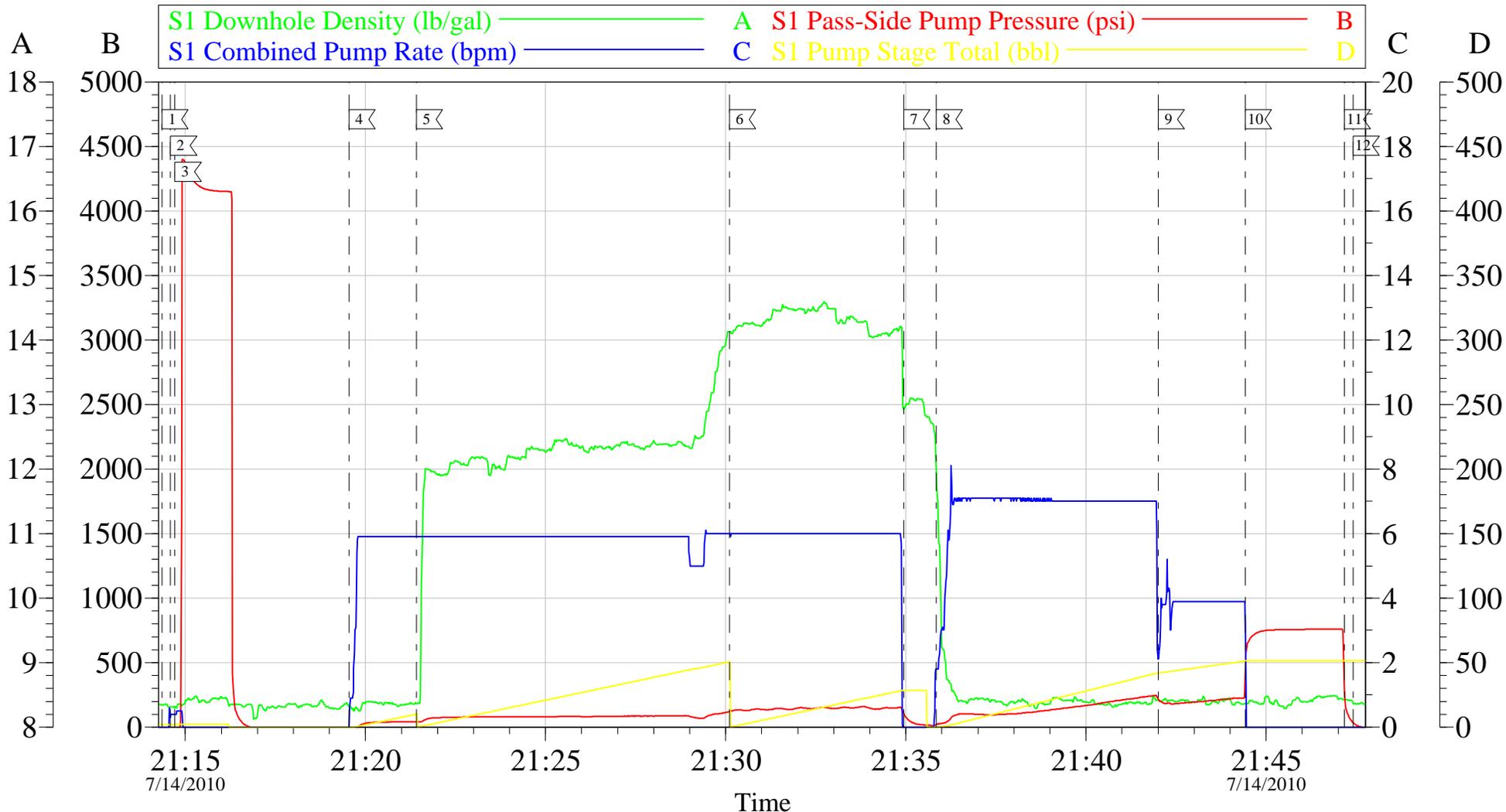
|   |                           |   |                                |
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| <b>Legal Description:</b>                                   |                           |   |                                |
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| <b>Job Purpose:</b> Cement Surface Casing                   |                           |   | <b>Ticket Amount:</b>          |
| <b>Well Type:</b> Development Well                          |                           | <b>Job Type:</b> Cement Surface Casing                          |                                |
| <b>Sales Person:</b> METLI, MARSHALL                        |                           | <b>Srvc Supervisor:</b> SMITH, DUSTIN                           | <b>MBU ID Emp #:</b> 418015    |

| Activity Description                  | Date/Time        | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|---------------------------------------|------------------|-------|--------------|------------|-------|---------------|--------|--|
|                                       |                  |       |              | Stage      | Total | Tubing        | Casing |  |
| Assessment Of Location Safety Meeting | 07/14/2010 19:30 |       |              |            |       |               |        | ALL HES EMPLOYEES  |
| Pre-Rig Up Safety Meeting             | 07/14/2010 19:45 |       |              |            |       |               |        | ALL HES EMPLOYEES  |
| Rig-Up Equipment                      | 07/14/2010 20:00 |       |              |            |       |               |        | RIG UP COMPLETED AT END OF LAST JOB CREW STAYED ON LOCATION  |
| Pre-Job Safety Meeting                | 07/14/2010 21:00 |       |              |            |       |               |        | ALL HES EMPLOYEES AND RIG CREW   |
| Rig-Up Completed                      | 07/14/2010 21:10 |       |              |            |       |               |        | TD: 740 TP: 723 SJ: 44.7 9 5/8 36 # CSG 12 3/8 OPEN HOLE   |
| Test Lines                            | 07/14/2010 21:14 |       |              |            |       | 4200.0        |        | PRESSURE TEST OK   |
| Start Job                             | 07/14/2010 21:14 |       |              |            |       |               |        | JOB PUMPED OFFLINE, HOLE DRILLED WITH AIR, NO FLUID IN WELLBORE AT TIME OF CEMENT PIPE STATIC AT TIME OF CEMENT JOB NO QUICK LATCH USED ON CEMENT HEAD |
| Pump Spacer                           | 07/14/2010 21:19 |       | 6            | 10         | 10    |               | 70.0   | FRESH WATER  |
| Pump Lead Cement                      | 07/14/2010 21:21 |       | 6            | 50.9       | 50.9  |               | 135.0  | 120 SKS 12.3 PPG 2.38 YIELD 13.77 GAL/SK   |
| Pump Tail Cement                      | 07/14/2010 21:30 |       | 6            | 30.6       | 30.6  |               | 160.0  | 120 SKS 14.2 PPG 1.43 YIELD 6.85 GAL/SK  |
| Shutdown                              | 07/14/2010 21:34 |       |              |            |       |               |        |  |
| Drop Plug                             | 07/14/2010 21:34 |       |              |            |       |               |        | PLUG AWAY NO PROBLEMS  |
| Pump Displacement                     | 07/14/2010 21:35 |       | 7            | 52.4       | 52.4  |               | 260.0  | FRESH WATER  |

| Activity Description        | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|-----------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|                             |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Slow Rate                   | 07/14/2010<br>21:42 |       | 4            | 42.4       | 42.4  |               | 220.0  |  |
| Bump Plug                   | 07/14/2010<br>21:44 |       | 4            | 52.4       | 52.4  |               | 730.0  |  |
| Check Floats                | 07/14/2010<br>21:47 |       |              |            |       |               |        | FLOATS HELD 1/2 BBL<br>BACK INTO<br>DISPLACEMENT TANK          |
| End Job                     | 07/14/2010<br>21:47 |       |              |            |       |               |        | 32 BBLS CEMENT TO<br>SURFACE                                   |
| Pre-Rig Down Safety Meeting | 07/14/2010<br>22:00 |       |              |            |       |               |        | ALL HES EMPLOYEES  |
| Rig-Down Completed          | 07/14/2010<br>22:30 |       |              |            |       |               |        | RIG DOWN AND GET<br>READY FOR NEXT JOB                         |
| Comment                     | 07/14/2010<br>22:30 |       |              |            |       |               |        | THANK YOU FOR<br>USING HALLIBURTON<br>DUSTIN SMITH AND<br>CREW |

# BILL BARRETT

## MILLER 33D-6-791 9 5/8 SURFACE



| Local Event Log       |          |                     |          |
|-----------------------|----------|---------------------|----------|
| 1 START JOB           | 21:14:21 | 2 FILL LINES        | 21:14:36 |
| 3 TEST LINES          | 21:14:43 | 4 PUMP SPACER       | 21:19:33 |
| 5 PUMP LEAD CEMENT    | 21:21:25 | 6 PUMP TAIL CEMENT  | 21:30:07 |
| 7 SHUTDOWN/ DROP PLUG | 21:34:56 | 8 PUMP DISPLACEMENT | 21:35:51 |
| 9 SLOW RATE           | 21:42:00 | 10 BUMP PLUG        | 21:44:25 |
| 11 CHECK FLOATS       | 21:47:10 | 12 END JOB          | 21:47:25 |

|                                    |                                 |                            |
|------------------------------------|---------------------------------|----------------------------|
| Customer: BILL BARRETT             | Job Date: 14-Jul-2010           | Sales Order #: 7493991     |
| Well Description: MILLER 33D-6-791 | Job Type: 9 5/8 SURFACE         | ADC Used: YES              |
| Company Rep: JODI SOUTH            | Cement Supervisor: DUSTIN SMITH | Elite #: 9 JESSE SLAUGHTER |