
BLACK HILLS EXPLORATION & PROD-EBUS

Ute 33-44

La Plata County , Colorado

Cement Surface Casing

Job Site Documents

| | | | |
|--|---------------------------|--|-------------------------------|
| Sold To #: 359739 | Ship To #: 359739 | Quote #: | Sales Order #: 7433297 |
| Customer: BLACK HILLS EXPLORATION & PROD-EBUS | | Customer Rep: Henson, Phil | |
| Well Name: Southern Ute | | Well #: 33-44 | API/UWI #: |
| Field: LA PLATA | City (SAP): GOLDEN | County/Parish: La Plata | State: Colorado |
| Contractor: AWS | | Rig/Platform Name/Num: 507 | |
| Job Purpose: Cement Surface Casing | | | |
| Well Type: Development Well | | Job Type: Cement Surface Casing | |
| Sales Person: MASON, KYLE | | Srvs Supervisor: DOBBS, GARY | MBU ID Emp #: 122012 |

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|---------------|---------|--------|---------------|---------|--------|-------------------------|---------|--------|
| DOBBS, GARY D | 9 | 122012 | ETCITY, JERRY | 9 | 227876 | LAMBSON, NATHANIEL A | 9 | 343100 |

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| | | | | | | | |

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|---------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 6/13/10 | 9 | 3 | | | | | | |

| Job | Job Times |
|-----|-----------|
|-----|-----------|

| JOB | | | | | | JOB TIMES | | | |
|------------------------|---------|--|-------------------|--------|---------|---------------|-----------------|-------|-----------|
| Formation Name | | | | | | | Date | Time | Time Zone |
| Formation Depth (MD) | Top | | | Bottom | | Called Out | 13 - Jun - 2010 | 04:00 | MST |
| Form Type | | | | BHST | | On Location | 13 - Jun - 2010 | 08:00 | MST |
| Job depth MD | 450. ft | | Job Depth TVD | | 450. ft | Job Started | 13 - Jun - 2010 | 15:08 | MST |
| Water Depth | | | Wk Ht Above Floor | | | Job Completed | 13 - Jun - 2010 | 15:47 | MST |
| Perforation Depth (MD) | From | | | To | | Departed Loc | 13 - Jun - 2010 | 17:00 | 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 |
| 12.25" Open Hole | | | | 12.25 | | | | . | 450. | | |
| 8.625" Surface Casing | Unknown | | 8.625 | 7.921 | 32. | | | . | 450. | | |

| 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 | | | |

| Gelling Agt | Conc | Surfactant | Acid Type | Qty | Conc | % |
|---------------|------|------------|-----------|------|------|---|
| Treatment Fld | Conc | Inhibitor | Sand Type | Size | Qty | |

| Stage/Plug #: 1 | | | | | | | | | |
|-----------------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/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 | H2O Spacer | | 0.00 | bbl | 8.33 | .0 | .0 | .0 | | |
| 2 | Surface Cement | CMT - PREMIUM - CLASS G, 94 LB SK (100003685) | 260.0 | sacks | 15.8 | 1.17 | 5.01 | | 5.01 | |
| | 94 lbm | CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685) | | | | | | | | |
| | 3 % | CALCIUM CHLORIDE - HI TEST PELLET (100005053) | | | | | | | | |
| | 0.125 lbm | POLY-E-FLAKE (101216940) | | | | | | | | |
| | 5.013 Gal | FRESH WATER | | | | | | | | |
| 3 | H2O Displacement | | 0.00 | bbl | 8.33 | .0 | .0 | .0 | | |
| Calculated Values | | Pressures | | Volumes | | | | | | |
| Displacement | 25.1 | Shut In: Instant | | Lost Returns | | Cement Slurry | 54 | Pad | | |
| Top Of Cement | 0 | 5 Min | | Cement Returns | 10 | Actual Displacement | 25 | Treatment | | |
| Frac Gradient | | 15 Min | | Spacers | 10 | Load and Breakdown | | Total Job | | |
| Rates | | | | | | | | | | |
| Circulating | 4 | Mixing | 4 | Displacement | 4 | Avg. Job | 4 | | | |
| Cement Left In Pipe | Amount | 42 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 | | | | | | |

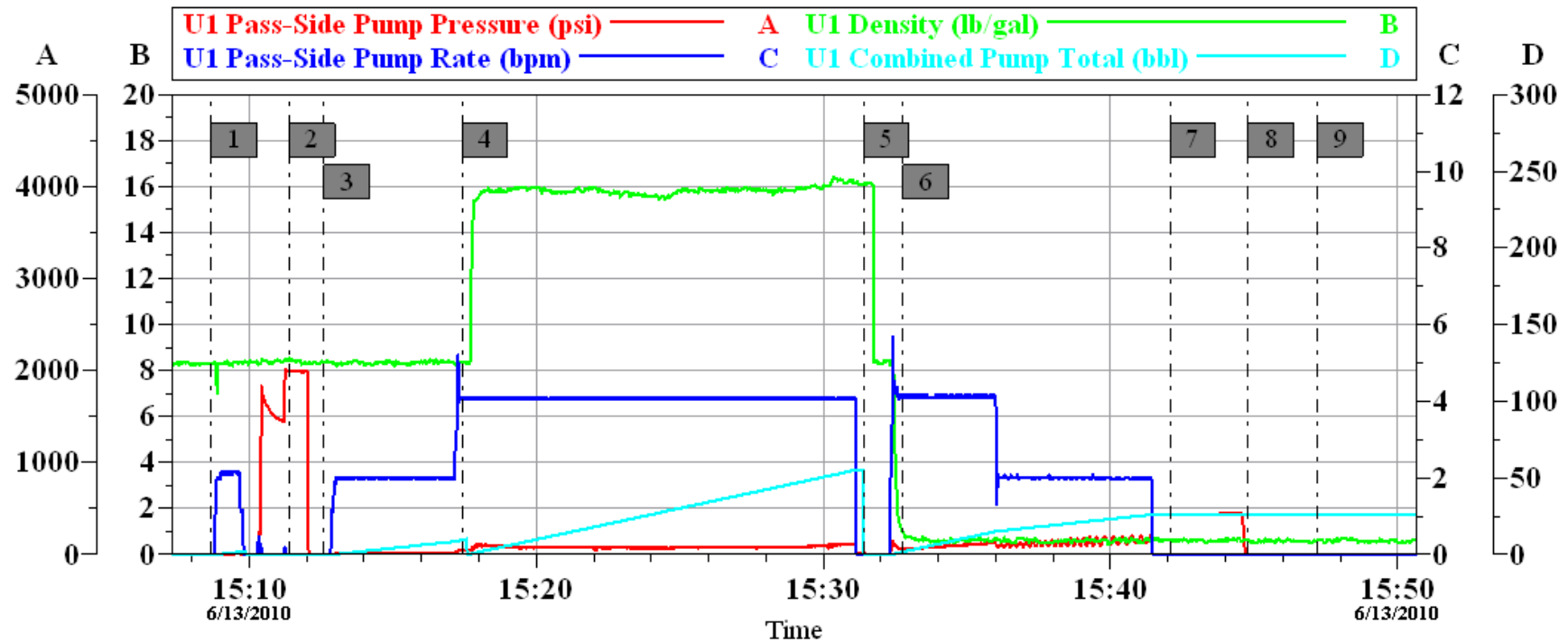
The Road to Excellence Starts with Safety

| | | | | | | | |
|---|--|--------------------|---------------------------------|----------------------------|--|------------------------|-----------------|
| Sold To #: 359739 | | Ship To #: 359739 | | Quote #: | | Sales Order #: 7433297 | |
| Customer: BLACK HILLS EXPLORATION & PROD-EBUS | | | | Customer Rep: Henson, Phil | | | |
| Well Name: Southern Ute | | | Well #: 33-44 | | | API/UWI #: | |
| Field: LA PLATA | | City (SAP): GOLDEN | | County/Parish: La Plata | | | State: Colorado |
| Legal Description: | | | | | | | |
| Lat: | | | | Long: | | | |
| Contractor: AWS | | | Rig/Platform Name/Num: 507 | | | | |
| Job Purpose: Cement Surface Casing | | | | | | Ticket Amount: | |
| Well Type: Development Well | | | Job Type: Cement Surface Casing | | | | |
| Sales Person: MASON, KYLE | | | Srv Supervisor: DOBBS, GARY | | | MBU ID Emp #: 122012 | |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|--|------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Pre-Convoy Safety Meeting | 06/13/2010 05:30 | | | | | | | |
| Arrive At Loc | 06/13/2010 08:00 | | | | | | | |
| Assessment Of Location Safety Meeting | 06/13/2010 08:05 | | | | | | | |
| Rig-Up Equipment | 06/13/2010 12:30 | | | | | | | RIG UP PUMP TRUCK, 1 BULK TRUCK, & PICK UP |
| Pre-Job Safety Meeting | 06/13/2010 14:45 | | | | | | | |
| Start Job | 06/13/2010 15:08 | | | | | | | |
| Test Lines | 06/13/2010 15:11 | | | | | 1500.0 | | |
| Pump Spacer 1 | 06/13/2010 15:12 | | 3 | 20 | | | 20.0 | WATER |
| Pump Cement | 06/13/2010 15:17 | | 4 | 54 | | | 46.0 | MIX AND PUMP 260 SKS OF CLASS G CEMENT, MIXED 2 15.8#, 1.17 YEILD, 5.01 GPS FRESH WATER |
| Drop Top Plug | 06/13/2010 15:31 | | | | | | | |
| Pump Displacement | 06/13/2010 15:32 | | 4 | 15 | | | 60.0 | FRESH WATER |
| Bump Plug | 06/13/2010 15:42 | | 2 | 10 | | | 436.0 | WATER |
| Check Floats | 06/13/2010 15:44 | | | | | | | FLOATS HELD, CIRCULATED 10 BBLS OF CEMENT TO PIT |
| End Job | 06/13/2010 15:47 | | | | | | | |
| Post-Job Safety Meeting (Pre Rig-Down) | 06/13/2010 16:15 | | | | | | | |

| Activity Description | Date/Time | Cht # | Rate bbl/ min | Volume bbl | | Pressure psig | | Comments |
|--|---------------------|----------|---------------------|---------------|-------|------------------|--------|----------|
| | | | | Stage | Total | Tubing | Casing | |
| Rig-Down Equipment | 06/13/2010 16:30 | | | | | | | |
| Depart Location Safety Meeting | 06/13/2010 16:50 | | | | | | | |
| Depart Location for Service Center or Other Site | 06/13/2010 17:00 | | | | | | | |

BLACK HILLS SOUTHERN UTE #33-44 / 7433297



| Local Event Log | | | | | | | |
|-----------------|-------------------|----------|--------|--------------|-------------------|----------|--------|
| Intersection | | | UPPP | Intersection | | | UPPP |
| 1 | START JOB | 15:08:41 | -14.10 | 2 | TEST LINES | 15:11:23 | 1995 |
| 3 | PUMP WATER SPACER | 15:12:36 | -10.65 | 4 | PUMP CEMENT | 15:17:25 | 46.31 |
| 5 | DROP PLUG | 15:31:24 | 9.185 | 6 | PUMP DISPLACEMENT | 15:32:46 | 59.16 |
| 7 | BUMP PLUG | 15:42:05 | 436.6 | 8 | CHECK FLOATS | 15:44:48 | -10.81 |
| 9 | END JOB | 15:47:12 | -13.29 | | | | |

| | | |
|---------------------------------------|------------------------|--|
| Customer: BLACK HILLS | Job Date: 13-Jun-2010 | Sales Order #: 7433297 |
| Well Description: SOUTHERN UTE #33-44 | JOB TYPE SURFACE | ADC USED NO |
| CO. REP: PHILL HENSON | SUPERVISOR DONNY DOBBS | TRUCK # / OPERATOR 10823383/JERRY ETCITY |

OptiCem v6.4.1
13-Jun-10 16:03