
KINDER MORGAN INC

DWD 1

Montezuma County , Colorado

Recement Service

22-Sep-2012

Post Job Report

The Road to Excellence Starts with Safety

| | | | | | | | | | | | | | |
|---|--------------------------|-------------------------------|---|--|-----------------------------------|--------------------------------|-----------------------------|------------------------|---------------------|-------------------|----------------------|------------|-------------|
| Sold To #: 320986 | | Ship To #: 2945402 | | Quote #: | | Sales Order #: 9834854 | | | | | | | |
| Customer: KINDER MORGAN INC | | | | Customer Rep: Cawthorn, Valerie | | | | | | | | | |
| Well Name: DWD | | | Well #: 1 | | | API/UWI #: 05-033-06078 | | | | | | | |
| Field: | | City (SAP): DOVE CREEK | | | County/Parish: Montezuma | | | State: Colorado | | | | | |
| Legal Description: Section 19 Township 40N Range 17W | | | | | | | | | | | | | |
| Contractor: Nabors 441 | | | | Rig/Platform Name/Num: Nabors 441 | | | | | | | | | |
| Job Purpose: Recement Service | | | | | | | | | | | | | |
| Well Type: Producing Well | | | | | Job Type: Recement Service | | | | | | | | |
| Sales Person: KEERAN, RYAN | | | | Srvc Supervisor: WOOD, BRANDON | | | MBU ID Emp #: 412753 | | | | | | |
| Job Personnel | | | | | | | | | | | | | |
| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | | | | | |
| AYERS, JACOB Cedric | 17 | 487729 | JOJOLA, LEMONT | 17 | 418802 | WOOD, BRANDON M | 17 | 412753 | | | | | |
| Equipment | | | | | | | | | | | | | |
| HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> | HES Unit # | <i>Distance-1 way</i> | | | | | | |
| | | | | | | | | | | | | | |
| Job Hours | | | | | | | | | | | | | |
| Date | <i>On Location Hours</i> | Operating Hours | Date | <i>On Location Hours</i> | Operating Hours | Date | <i>On Location Hours</i> | Operating Hours | | | | | |
| | | | | | | | | | | | | | |
| TOTAL | | | <i>Total is the sum of each column separately</i> | | | | | | | | | | |
| Job | | | | | | Job Times | | | | | | | |
| Formation Name | | | | | | Date | Time | Time Zone | | | | | |
| Formation Depth (MD) | Top | Bottom | | | | Called Out | 22 - Sep - 2012 | 00:01 | MST | | | | |
| Form Type | BHST | | | | | On Location | 22 - Sep - 2012 | 03:00 | MST | | | | |
| Job depth MD | 2500. ft | | Job Depth TVD | 2381. ft | | Job Started | 22 - Sep - 2012 | 17:48 | MST | | | | |
| Water Depth | | | Wk Ht Above Floor | 5. ft | | Job Completed | 22 - Sep - 2012 | 18:45 | GMT | | | | |
| Perforation Depth (MD) | <i>From</i> | <i>To</i> | | | | Departed Loc | 22 - Sep - 2012 | 20:00 | MST | | | | |
| Well Data | | | | | | | | | | | | | |
| <i>Description</i> | 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 | | |
| 10 3/4" Surface Casing | Unknown | | 10.75 | 9.95 | 45.5 | | K-55 | . | 2500. | | | | |
| 7 5/8" Production Casing | Unknown | | 7.625 | 6.969 | 26.4 | | K-55 | . | 2500. | | | | |
| Sales/Rental/3rd Party (HES) | | | | | | | | | | | | | |
| Description | | | | | | Qty | Qty uom | Depth | Supplier | | | | |
| SUGAR, GRANULATED, IMPERIAL | | | | | | 25 | LB | | | | | | |
| 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 | |
| 1 | Fresh Water Spacer | | 20.00 | bbl | 8.33 | .0 | .0 | .0 | | |
| 2 | Primary Cement | POZ STANDARD 50/50 - SBM (12308) | 435.0 | sacks | 13.5 | 1.3 | 5.73 | | 5.73 | |
| | 2 % | CALCIUM CHLORIDE - HI TEST PELLET (100005053) | | | | | | | | |
| | 0.1 % | CFR-3, W/O DEFOAMER, 50 LB SK (100003653) | | | | | | | | |
| | 5.729 Gal | FRESH WATER | | | | | | | | |
| 3 | Displacement | | 17.70 | bbl | 8.33 | .0 | .0 | .0 | | |
| Calculated Values | | Pressures | | | Volumes | | | | | |
| Displacement | 17.7 | Shut In: Instant | | Lost Returns | NO | Cement Slurry | 100.7 | Pad | | |
| Top Of Cement | UNK | 5 Min | | Cement Returns | NO | Actual Displacement | 17.7 | Treatment | | |
| Frac Gradient | | 15 Min | | Spacers | 20 | Load and Breakdown | | Total Job | | |
| Rates | | | | | | | | | | |
| Circulating | | Mixing | | Displacement | | Avg. Job | | | | |
| Cement Left In Pipe | Amount | 119 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

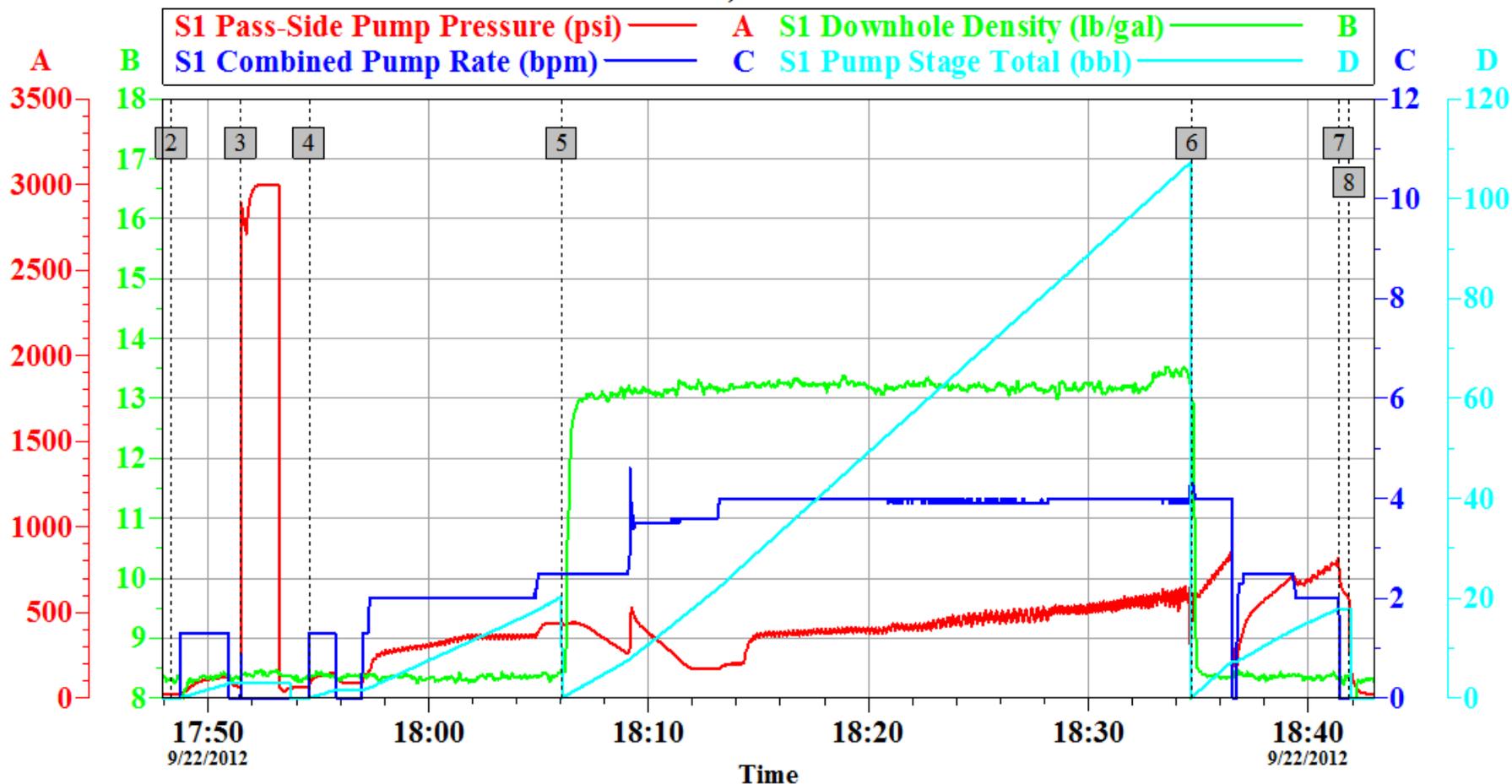
| | | | |
|---|-------------------------------|--|-------------------------------|
| Sold To #: 320986 | Ship To #: 2945402 | Quote #: | Sales Order #: 9834854 |
| Customer: KINDER MORGAN INC | | Customer Rep: Cawthorn, Valerie | |
| Well Name: DWD | Well #: 1 | API/UWI #: 05-033-06078 | |
| Field: | City (SAP): DOVE CREEK | County/Parish: Montezuma | State: Colorado |
| Legal Description: Section 19 Township 40N Range 17W | | | |
| Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs. | | Long: E 0 deg. OR E 0 deg. 0 min. 0 secs. | |
| Contractor: Nabors 441 | | Rig/Platform Name/Num: Nabors 441 | |
| Job Purpose: Recement Service | | | Ticket Amount: |
| Well Type: Producing Well | | Job Type: Recement Service | |
| Sales Person: KEERAN, RYAN | | Srvc Supervisor: WOOD, BRANDON | MBU ID Emp #: 412753 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Call Out | 09/22/2012 00:01 | | | | | | | |
| Depart Yard Safety Meeting | 09/22/2012 00:55 | | | | | | | SAFETY MEETING INVOLVING THE CMT CREW |
| Crew Leave Yard | 09/22/2012 01:00 | | | | | | | |
| Arrive At Loc | 09/22/2012 03:00 | | | | | | | 1- F-450 11583925, 1- RED TIGER PUMP TRUCK 11324578, 1- 660 BULK TRUCK TRAILERS 10025024 |
| Assessment Of Location Safety Meeting | 09/22/2012 03:05 | | | | | | | ASSESSMENT OF LOCATION INVOLVING THE CMT CREW |
| Pre-Rig Up Safety Meeting | 09/22/2012 16:25 | | | | | | | SAFETY MEETING INVOLVING THE ENTIRE CMT/ RIG CREW |
| Rig-Up Equipment | 09/22/2012 16:30 | | | | | | | |
| Pre-Job Safety Meeting | 09/22/2012 17:30 | | | | | | | SAFETY MEETING INVOLVING EVERYONE ON LOCATION |
| Start Job | 09/22/2012 17:48 | | | | | | | DP 3 1/2 IF 13.3 #, RETAINER SET @ 2381 FT, 7 5/8 26.4 #, HOLES 2500-2501 FT, |
| Test Lines | 09/22/2012 17:51 | | 1 | | 0.3 | | 3000.0 | PRESSURE TEST GOOD TO 3000 PSI |
| Pump Spacer 1 | 09/22/2012 17:54 | | 2 | | 20 | | 360.0 | PUMP 20 BBLs H2O @ 2 BPM |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|--|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Cement | 09/22/2012 18:06 | | 4 | | 100.7 | | 440.0 | 435 SKS, 1.3 YLD, 5.73 GAL H2O/SK, 100.7 BBLS @ 13.5 #, 59.3 BBLS H2O REQ |
| Pump Displacement | 09/22/2012 18:34 | | 3 | | 17.7 | | 611.0 | CALCULATED 17.7 BBLS DP CAP, PUMPED 17.7 BBLS TO LEAVE NO CEMENT ON TOP OF RETAINER |
| Shutdown | 09/22/2012 18:41 | | | | | | 815.0 | SHUTDOWN TO STING OUT AND PULL OUT OF HOLE |
| Open Bypass / Sting Out | 09/22/2012 18:42 | | | | | | 572.0 | STING OUT OF RETAINER AND RIG GOING TO REVERSE OUT. |
| End Job | 09/22/2012 18:45 | | | | | | | |
| Pre-Rig Down Safety Meeting | 09/22/2012 18:50 | | | | | | | SAFETY MEETING INVOLVING THE CMT/RIG CREW |
| Rig-Down Equipment | 09/22/2012 18:55 | | | | | | | |
| Safety Meeting - Departing Location | 09/22/2012 19:55 | | | | | | | SAFETY MEETING INVOLVING THE CMT CREW |
| Depart Location for Service Center or Other Site | 09/22/2012 20:00 | | | | | | | THANK YOU FOR USING HALLIBURTON, BRANDON WOOD AND CREW |

KINDER MORGAN

DWD # 1, RECEMENT



| | | |
|---------------------------|----------------------------------|-----------------------------------|
| Customer: KINDER MORGAN | Job Date: 22-Sep-2012 | Sales Order #: 9834854 |
| Well Description: DWD # 1 | Job type: RECEMENT | ADC Used: YES |
| Customer Rep: CURTIS | Service Supervisor: BRANDON WOOD | Operator/ Pump: BRANDON, 11324578 |