
NOBLE ENERGY INC E-BUSINESS

**Cannon H 35-13
Wattenberg
Weld County , Colorado**

Recement Service

Job Site Documents

The Road to Excellence Starts with Safety

| | | | | | | | |
|---------------------------------------|--|--------------------|----------------------------------|---------------------------|-------------------------|------------------------|--|
| Sold To #: 345242 | | Ship To #: 2963319 | | Quote #: | | Sales Order #: 9960014 | |
| Customer: NOBLE ENERGY INC E-BUSINESS | | | | Customer Rep: Burns, Pete | | | |
| Well Name: Cannon H | | | Well #: 35-13 | | API/UWI #: 05-123-15150 | | |
| Field: Wattenberg | | City (SAP): HUDSON | | County/Parish: Weld | | State: Colorado | |
| Contractor: Leed | | | Rig/Platform Name/Num: Leed 715 | | | | |
| Job Purpose: Recement Service | | | | | | | |
| Well Type: Development Well | | | Job Type: Recement Service | | | | |
| Sales Person: FLING, MATTHEW | | | Srv Supervisor: CLEMONS, WILLIAM | | | MBU ID Emp #: 407973 | |

Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|-------------------------|---------|--------|------------------|---------|--------|------------------------|---------|--------|
| CLEMONS, WILLIAM Edward | 7 | 407973 | DIRKS, RICHARD E | 7 | 485940 | MEADOWS, DANIEL Graham | 7 | 500668 |

Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10972458 | 25 mile | 11019275 | 25 mile | 11142999 | 25 mile | 11488570C | 25 mile |

Job Hours

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 11/12/2012 | 7 | 2 | | | | | | |

TOTAL Total is the sum of each column separately

Job

| Formation Name | | | | Job Times | | | |
|------------------------|---------|------|-------------------|--------------|---------------|------|-----------|
| Formation Depth (MD) | | Top | Bottom | Called Out | Date | Time | Time Zone |
| Form Type | BHST | | | On Location | | | |
| Job depth MD | 755. ft | | Job Depth TVD | 755. ft | Job Started | | |
| Water Depth | | | Wk Ht Above Floor | 4. ft | Job Completed | | |
| Perforation Depth (MD) | | From | To | Departed Loc | | | |

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 |
|--------------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 9" Open Hole | | | | 9. | | | | 369. | 4985. | | |
| 4 1/2" Production Casing | Unknown | | 4.5 | 4. | 11.6 | | | . | 7500. | | |
| Surface Casing | Used | | 8.625 | 8.097 | 24. | | J-55 | . | 369. | . | 612. |
| 1 1/4" tubing | Used | | 1.25 | .671 | 3.02 | | P-105 | . | 685. | . | 850. |

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 ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |

Stage/Plug #: 1

| 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 | Mud Flush III | | 12.00 | bbl | 8.33 | .0 | .0 | .0 | |
| 2 | 15.8# Cement | CMT - PREMIUM - CLASS G, 94 LB SK (100003685) | 210.0 | sacks | 15.8 | 1.15 | 4.99 | | 4.99 |
| | 94 lbm | CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685) | | | | | | | |
| | 4.989 Gal | FRESH WATER | | | | | | | |
| Calculated Values | | Pressures | | Volumes | | | | | |
| Displacement | 2 | Shut In: Instant | | Lost Returns | | Cement Slurry | 56 | Pad | |
| Top Of Cement | SURFACE | 5 Min | | Cement Returns | | Actual Displacement | 2 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | 14 | Load and Breakdown | | Total Job | 72 |
| Rates | | | | | | | | | |
| Circulating | 2 | Mixing | 2 | Displacement | 2 | Avg. Job | | | 2 |
| Cement Left In Pipe | Amount | 0 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 | | | | | |