



BISON

Bison Oil Well Cementing Inc.
1547 Gaylord Street
Denver, CO 80206
303-296-3010

Invoice

| Date | Invoice # |
|------------|-----------|
| 10/25/2013 | 12758 |

| Bill To |
|-------------------------------------------------------------------------------------|
| Noble Energy Inc. Attn: Accounting 1625 Broadway Ste 2000 Denver, CO 80202 |

| Location | Well Name & No. | Terms | Job Type | | |
|----------------------|--------------------------|--------|--------------|------|--------|
| Weld CO | Wells Ranch AA26-63-1HN | Net 30 | Surface Pipe | | |
| Item | Description | Qty | U/M | Rate | Amount |
| Pump surface | PUMP Charge-surface pipe | 1 | | | |
| Discount 15% | Discount 15% | | | | |
| MILEAGE | Mileage charge | 360 | | | |
| Discount 15% | Discount 15% | | | | |
| Data Acquisition ... | Data Acquisition Charge | 1 | | | |
| Discount 15% | Discount 15% | | | | |
| HOURS | Wait Time | 3 | | | |
| Service Charge | Casing Test | 1 | | | |
| | Subtotal of Services | | | | |
| BFN III Summer ... | BFN III Blend | 470 | Sack | | |
| Discount 15% | Discount 15% | | | | |
| KCL Mud Flush | (BHS 117) | 7 | qt | | |
| Discount 15% | Discount 15% | | | | |
| Dye - 4880 | Dye (Hot Pink 4880) | 10 | oz | | |
| Discount 15% | Discount 15% | | | | |
| | Subtotal of Materials | | | | |

Please Remit Payment To:

Bison Oil Well Cementing, Inc.
P.O. Box 29671
Thornton, CO 80229

Subtotal

Sales Tax

Total

Balance D

BISON OIL WELL CEMENTING, INC.

1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



SERVICE INVOICE

Nº 12758

| | | | |
|-------------------------------------------------------|-----------------------------------------------------------------|------------------------------|-------------------------|
| WELL NO. AND FARM <i>Wells Ranch AA 26-63-1 NW</i> | COUNTY <i>weld</i> | STATE <i>CO</i> | DATE <i>10-25-13</i> |
| CHARGE TO <i>Welle</i> | WELL LOCATION SEC. <i>26</i> TWP. <i>6N</i> RANGE <i>63W</i> | CONTRACTOR <i>HEP 322</i> | |
| | DELIVERED TO <i>68-69</i> | LOCATION <i>1 shop</i> | CODE |
| | SHIPPED VIA <i>3/04-3211</i> | LOCATION <i>2 68-69</i> | CODE |
| | TYPE AND PURPOSE OF JOB <i>Sur Face Pipe</i> | LOCATION <i>3 shop</i> | CODE |
| | | WELL TYPE <i>Gas</i> | CODE |

| PRICE REFERENCE | DESCRIPTION | QTY. | UNIT PRICE | AMOUNT |
|-----------------|----------------------------------------------------------|------------|------------|--------|
| | Pump charge | 1 | | |
| | <i>BEUTL 3% BCLH 1.25 Bsp/2 BCLH</i> | <i>470</i> | | |
| | mileage 1 st per mile 60 mile min Rental trip | 3 | | |
| | BCLH-1 | 7 | | |
| | Red Dye | 10 | | |
| | Data d/c | 1 | | |
| | raising test | 1 | | |
| | Job Time | 3 | | |

| | |
|---------------------------------------------------------------------|--------------------------|
| RIG NAME & NUMBER: <i>HEP 322</i> | |
| WELL NAME & NUMBER: <i>Wells Ranch AA 26-63-1 NW</i> | |
| WELL NUMBER: <i>13909</i> | |
| TAXES (FRI, COMP, W.D, P&A): <i>Data</i> | |
| EXP TYPE: | |
| ACTG CODE: | |
| DOLLAR TOTAL BEING APPLIED <i>\$1259.50</i> | |
| FIELD APPROVAL: | DATE: <i>10/25/13</i> |
| ROUTE TO APPROVER: <i>Ryan Cook</i> | |
| BILL TO: NORTH ENERGY INC. (loaded) ATTN: ACCOUNTS PAYABLE Miles | |

If this account is not paid within 30 days of invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/4% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

TOTAL

SUBJECT TO CORRECTION

Customer or His Agent

Bison Oil Well Cementing, Inc. Representative

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including without limitation, the provisions on the reverse side hereof which include the release and indemnity.



Bison Oil Well Cementing Single Cement Surface Pipe


Invoice # 12758
API#
Foreman: Kirk Kallhoff

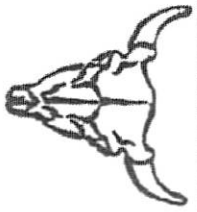
Customer: Noble
Well Name: wells ranch aa 26-63-1hn

County: Weld County
State: Colorado
Sec: 26
Twp: 6n
Range: 63w

Consultant: charles
Rig Name & Number: h&p 322
Distance To Location:
Units On Location: 3103-3211
Time Requested: 900 am
Time Arrived On Location: 830 am
Time Left Location: 4:00pm

| WELL DATA | Cement Data |
|----------------------------------|--------------------------------|
| Casing Size OD (in) : 9.6250 | Cement Name: BFN III |
| Casing Weight (lb) : 36 | Cement Density (lb/gal) : 15.2 |
| Casing Depth (ft.) : 944 | Cement Yield (cuft) : 1.27 |
| Total Depth (ft) : 984 | Gallons Per Sack: 5.89 |
| Open Hole Diameter (in.) : 13.75 | % Excess: 30% |
| Conductor Length (ft) : 100 | Displacement Fluid lb/gal: 8.3 |
| Conductor ID : 15.5 | BBL to Pit: |
| Shoe Joint Length (ft) : 43 | Fluid Ahead (bbls): |
| Landing Joint (ft) : 30 | H2O Wash Up (bbls): 20.0 |
| Max Rate: | Spacer Ahead Makeup |
| Max Pressure: | |

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Casing ID 8.921 | Casing Grade I-55 only used |
| Calculated Results | Displacement: 71.97 bbls (Casing ID Squared) X (.0009714) X (Casing Depth + Landing Joint - Shoe Joint) |
| cuft of Shoe 18.66 cuft (Casing ID Squared) X (.005454) X (Shoe Joint ft) | Pressure of cement in annulus |
| cuft of Conductor 80.51 cuft (Conductor Width Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft) | Hydrostatic Pressure: 745.38 PSI |
| cuft of Casing 443.85 cuft (Open Hole Squared) - (Casing Size Squared) X (.005454) X (Casing Depth - Conductor Length) | Pressure of the fluids inside casing |
| Total Slurry Volume 543.02 cuft (cuft of Shoe) + (cuft of Conductor) + (cuft of Casing) | Displacement: 388.49 psi |
| bbls of Slurry 125.72 bbls (Total Slurry Volume) X (.1781) X (% Excess Cement) | Shoe Joint: 33.95 psi |
| Sacks Needed 556 sk (Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement) | Total 422.45 psi |
| Mix Water 77.95 bbls (Sacks Needed) X (Gallons Per Sack) ÷ 42 | Differential Pressure: 322.94 psi |
| | Collapse PSI: 2020.00 psi |
| | Burst PSI: 3520.00 psi |
| | Total Water Needed: 97.95 bbls |
|  Authorization To Proceed | |
| Customers hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order. | |



Bison Oil Well Cementing
Single Cement Surface Pipe

INVOICE # 12758
LOCATION Weld County
FOREMAN Kirk Kallhoff

Customer Noble
Well Name wells ranch aa 26-63-1hn

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

| | Displace 1 | | | Displace 2 | | | Displace 3 | | | Displace 4 | | | Displace 5 | | |
|----------------|------------|------|-----|------------|------|-----|------------|------|-----|------------|------|-----|------------|------|-----|
| | BBLs | Time | PSI | BBLs | Time | PSI | BBLs | Time | PSI | BBLs | Time | PSI | BBLs | Time | PSI |
| Safety Meeting | 120 | | | | | | | | | | | | | | |
| MIRU | 100 | | | | | | | | | | | | | | |
| CIRCULATE | 145 | | | | | | | | | | | | | | |
| Drop Plug | | 0 | 224 | 20 | 40 | 20 | 0 | 10 | 10 | 0 | 10 | 10 | 0 | 10 | 10 |
| 224 | | 20 | 228 | 60 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | 30 | 230 | 100 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | | 40 | 232 | 190 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| M & P | | 50 | 234 | 270 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Time | | 60 | 236 | 320 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Sacks | | 70 | 239 | 340 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 159pm | | 80 | | | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 220 stop | | 90 | | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| | | 100 | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | | 110 | | | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| % Excess | 10% | 120 | | | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Mixed bbls | 66 | 130 | | | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| Total Sacks | 471 | 140 | | | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| | | 150 | | | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| bbl Returns | 15 | | | | | | | | | | | | | | |

Notes:

bumped plug at 241 pm 490 psi casing test 1000 psi for 15 min

| | | | | | |
|----------------|--|-------|-----|------|----------|
| X | | X | WSS | X | 10/25/13 |
| Work Performed | | Title | | Date | |

M/D TOTCO 2000 SERIES

— PSI — Barrels / Minute — Barrels — Lbs / Gallon Stage Volume

