

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

REF. INVOICE # 9006

LOCATION WCR 34-55

FOREMAN Kirk Kallho
mile R mile D

TREATMENT REPORT

| | | | | | | |
|--|--------------------------------------|----------------------------------|------------------|-------------------|-----------------------|-----------|
| DATE <u>5-21-10</u> | WELL NAME <u>Gutherson D15-18</u> | SECTION <u>15</u> | TWP <u>3N</u> | RGE <u>34W</u> | COUNTY <u>Weld</u> | FORMATION |
| CHARGE TO <u>Noble</u> | | OWNER | | | | |
| MAILING ADDRESS | | OPERATOR <u>Noble</u> | | | | |
| CITY | | CONTRACTOR <u>Ensign 128</u> | | | | |
| STATE ZIP CODE | | DISTANCE TO LOCATION | | | | |
| TIME ARRIVED ON LOCATION <u>9:15pm</u> | | TIME LEFT LOCATION <u>1:15am</u> | | | | |

WELL DATA

| | | | | |
|------------------------------|------------------|---------------|--|----------------------------------|
| HOLE SIZE <u>12 1/4</u> | TUBING SIZE | PERFORATIONS | PRESSURE LIMITATIONS | |
| TOTAL DEPTH <u>658.4</u> | TUBING DEPTH | SHOTS/FT | THEORETICAL | INSTRUCTED |
| PBTD <u>607.37</u> | TUBING WEIGHT | OPEN HOLE | SURFACE PIPE ANNULUS LONG | |
| CASING SIZE <u>8 5/8</u> | TUBING CONDITION | | STRING | |
| CASING DEPTH <u>651.4</u> | | TREATMENT VIA | TUBING | |
| CASING WEIGHT <u>24 lb</u> | PACKER DEPTH | | TYPE OF TREATMENT | |
| CASING CONDITION <u>good</u> | | | TREATMENT RATE | |
| | | | <input checked="" type="checkbox"/> SURFACE PIPE | BREAKDOWN BPM |
| | | | <input type="checkbox"/> PRODUCTION CASING | INITIAL BPM |
| | | | <input type="checkbox"/> SQUEEZE CEMENT | FINAL BPM |
| | | | <input type="checkbox"/> ACID BREAKDOWN | MINIMUM BPM |
| | | | <input type="checkbox"/> ACID STIMULATION | MAXIMUM BPM |
| | | | <input type="checkbox"/> ACID SPOTTING | AVERAGE BPM |
| | | | <input type="checkbox"/> MISC PUMP | |
| | | | <input type="checkbox"/> OTHER | HYD HHP = RATE X PRESSURE X 40.8 |

PRESSURE SUMMARY

| | | |
|------------------------------|----------------|--|
| BREAKDOWN or CIRCULATING psi | AVERAGE psi | |
| FINAL DISPLACEMENT psi | ISIP psi | |
| ANNULUS psi | 5 MIN SIP psi | |
| MAXIMUM psi | 15 MIN SIP psi | |
| MINIMUM psi | | |

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, psi test, circ 30 bbls H2O and 10w/ dye, mix & pump 279 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until 10 man steps 45, Release Plug Displace 38.6 BBLs H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi wash up Rig Down.

Arrived w/ 600 sks cement 4 gallons Kel 1602 H2O test OK
62.9 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:43pm circ 11:53pm cement 12:01am
Drop Plug 12:29am Disp 12:29am

used 40% excess per roman
used 300 sks cement
67.7 BBLs slurry
10 BBLs AT 5.5 BBLs/m 12:32am 480psi
20 BBLs AT 5.5 BBLs/m 12:34am 540psi
30 BBLs AT 3.5 BBLs/m 12:36am 400psi
38.6 BBLs AT 1.0 BBLs/m 12:40am 320psi
Bump Plug 12:40am 520psi

Lift w/ 300 sks cement 3 gallons 1st Kel 602 Dye

BBLs Back 15

[Signature]

AUTHORIZATION TO PROCEED

TITLE

5-21-10

DATE