

BISON OIL WELL CEMENTING, INC.



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

REF. INVOICE # 9218

LOCATION C 47 E Hwy 14

FOREMAN Kirk Kallho RP
Mike R. Tucker L Grant L

TREATMENT REPORT

| DATE | WELL NAME | SECTION | TWP | RGE | COUNTY | FORMATION |
|---------|--------------------|---------|-----|-----|--------|-----------|
| 7-23-10 | Green usx EE 13-05 | 13 | 7N | 65W | weld | |

| | |
|---------------------------------|---------------------------|
| CHARGE TO Noble | OWNER |
| MAILING ADDRESS | OPERATOR Noble |
| CITY | CONTRACTOR Ensign 126 |
| STATE ZIP CODE | DISTANCE TO LOCATION |
| TIME ARRIVED ON LOCATION 5:15am | TIME LEFT LOCATION 9:15am |

| WELL DATA | | | PRESSURE LIMITATIONS | | |
|---------------------|------------------|---------------|----------------------|-------------|------------|
| HOLE SIZE 12 1/4 | TUBING SIZE | PERFORATIONS | | THEORETICAL | INSTRUCTED |
| TOTAL DEPTH 817 | TUBING DEPTH | SHOTS/FT | | | |
| PBTD 767.31 | TUBING WEIGHT | OPEN HOLE | | | |
| CASING SIZE 8 7/8 | TUBING CONDITION | | | | |
| CASING DEPTH 811.41 | | TREATMENT VIA | | | |

| | | | | | |
|-----------------------|--------------|--|--|--|--|
| CASING WEIGHT 24 lb | PACKER DEPTH | | | | |
| CASING CONDITION good | | | | | |

| PRESSURE SUMMARY | | | | TYPE OF TREATMENT | | TREATMENT RATE | |
|------------------------------|----------------|--|--|--|--|----------------------------------|--|
| BREAKDOWN or CIRCULATING psi | AVERAGE psi | | | <input checked="" type="checkbox"/> SURFACE PIPE | | BREAKDOWN BPM | |
| FINAL DISPLACEMENT psi | ISIP psi | | | <input type="checkbox"/> PRODUCTION CASING | | INITIAL BPM | |
| ANNULUS psi | 5 MIN SIP psi | | | <input type="checkbox"/> SOOZE CEMENT | | FINAL BPM | |
| MAXIMUM psi | 15 MIN SIP psi | | | <input type="checkbox"/> ACID BREAKDOWN | | MINIMUM BPM | |
| MINIMUM psi | | | | <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 | |

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psi test, circ 40 BBLS H2O 2nd 10 w/ Dye, mix Pump 346 sls cement at 30% Excess at 1.27 yield at 152 lbs or untill column stops us, Release Plug Displace 48.8 BBLS, H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up Rig Down.

H2O test ok

Arrived w/ 750 sls cement 4 gallons RCL 16oz Dye

78 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 7:12am circ 7:29am cement 7:39am

Drop Plug 8:07am Disp 8:07am

used 30% Excess

10 BBLS at 5.5 BBLS/m 8:10am 420psi

used 346 sls cement

20 BBLS at 5.5 BBLS/m 8:12am 610psi

78 BBLS slurry

30 BBLS at 5.5 BBLS/m 8:14am 690psi

40 BBLS at 8:25am 5.5 BBLS/m 550psi

48.8 BBLS at 1.0 BBLS/m 8:32am 480psi

Bump Plug 8:32am 650psi

Lift w/ 404 sls cement 3 gallons RCL 6oz Dye

BBLS Buil 23

Kandy B...

7-23-10

AUTHORIZATION TO PROCEED

TITLE

DATE