

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 # 11504

LOCATION 74-59

FOREMAN Kirk Kallhaer
Dario Pede Leon

TREATMENT REPORT

| DATE | WELL NAME | SECTION | TWP | RGE | COUNTY | FORMATION |
|---------------------------------|-----------------------|---------|----------------------------|-----|--------|-----------|
| 5-3-12 | Cecil 458 A-1-64-1H-2 | 1 | 6N | 64W | Weld | |
| CHARGE TO Noble | | | OWNER | | | |
| MAILING ADDRESS | | | OPERATOR Noble | | | |
| CITY | | | CONTRACTOR Ensign 121 | | | |
| STATE ZIP CODE | | | DISTANCE TO LOCATION | | | |
| TIME ARRIVED ON LOCATION 1:30pm | | | TIME LEFT LOCATION 11:30pm | | | |

| WELL DATA | | | PRESSURE LIMITATIONS | | |
|-----------------------|------------------|---------------|---------------------------|--|---------------------------------|
| HOLE SIZE 13 3/4 | TUBING SIZE | PERFORATIONS | THEORETICAL | | INSTRUCTED |
| TOTAL DEPTH 930 | TUBING DEPTH | SHOTS/FT | SURFACE PIPE ANNULUS LONG | | |
| BBTD 875 | TUBING WEIGHT | OPEN HOLE | STRING | | |
| CASING SIZE 9 7/8 | TUBING CONDITION | | TUBING | | |
| CASING DEPTH 920 | | TREATMENT VIA | TYPE OF TREATMENT | | TREATMENT RATE |
| CASING WEIGHT 36 lb | PACKER DEPTH | | L SURFACE PIPE | | BREAKDOWN BPM |
| CASING CONDITION good | | | I PRODUCTION CASING | | INITIAL BPM |
| | | | I SQUEEZE CEMENT | | FINAL BPM |
| | | | I ACID BREAKDOWN | | MINIMUM BPM |
| | | | I ACID STIMULATION | | MAXIMUM BPM |
| | | | I ACID SPOTTING | | AVERAGE BPM |
| | | | I MISC PUMP | | |
| | | | I OTHER | | HYD HP = RATE X PRESSURE X 40.8 |

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Packed, Per casing Cir 60 BBLs RCL H2O, 2nd 1000 Dye, mix
9 Pump 502 SKS cement at 30% Excess at 10:27 yield cement till cement stops up, Release, Plug, WSP
67.6 BBLs H2O, Pump Plug at 150 psi over Lift psi wait 5 min Release psi, wash up
Rig Down
Arrived w/ 600 SKS cement 4 gall RCL 1600 Dye
N2 test OK
113.5 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 9:15pm circ 9:37pm cement 9:48pm stop cement 10:11pm
Dye Plug 10:13pm Displace 10:13pm
10 BBLs at 6 BBLs/min 10:15pm 250 psi
20 BBLs at 6 BBLs/min 10:17pm 320 psi
30 BBLs at 6 BBLs/min 10:19pm 400 psi
40 BBLs at 6 BBLs/min 10:21pm 500 psi
50 BBLs at 6 BBLs/min 10:24pm 600 psi
60 BBLs at 3.5 BBLs/min 10:26pm 400 psi
67.6 BBLs at 1.0 BBLs/min 10:30pm 380 psi
Bump Plug 10:30pm 500 psi
used 5% Excess
used 407 SKS cement
92 BBLs slurry
Stopped for 1 min for Rig to switch hoses

Left w/ 193 SKS cement 2 gall 2 gals RCL 500 Dye

BBLs Back 27

Michael Magro
AUTHORIZATION TO PROCEED

TITLE

5-3-12

DATE

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.