

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 # 9840

LOCATION 68-67

FOREMAN Kirk Kalho
Mike R LR Jessie

TREATMENT REPORT

| | | | | | | |
|---------------------------------|-------------------------------------|---------------|---------------------------|------------|----------------|-----------|
| DATE 5-10-11 | WELL NAME wells Ranch PCAA 22-01 | SECTION 22 | TWP 6N | RGE 63W | COUNTY weld | FORMATION |
| CHARGE TO Noble | | | OWNER | | | |
| MAILING ADDRESS | | | OPERATOR Noble | | | |
| CITY | | | CONTRACTOR Cade 21 | | | |
| STATE ZIP CODE | | | DISTANCE TO LOCATION | | | |
| TIME ARRIVED ON LOCATION 1:00am | | | TIME LEFT LOCATION 6:00am | | | |

| WELL DATA | | | PRESSURE LIMITATIONS | | |
|-----------------------|------------------|---------------|---------------------------|--|----------------------------------|
| HOLE SIZE 12 1/4 | TUBING SIZE | PERFORATIONS | THEORETICAL | | INSTRUCTED |
| TOTAL DEPTH 5412 | TUBING DEPTH | SHOTS/FT | SURFACE PIPE ANNULUS LONG | | |
| PBTD 489.53 | TUBING WEIGHT | OPEN HOLE | STRING | | |
| CASING SIZE 8 7/8 | TUBING CONDITION | | TUBING | | |
| CASING DEPTH 534.71 | | TREATMENT VIA | TYPE OF TREATMENT | | TREATMENT RATE |
| CASING WEIGHT 2416 | PACKER DEPTH | | [] SURFACE PIPE | | BREAKDOWN BPM |
| CASING CONDITION good | | | [] PRODUCTION CASING | | INITIAL BPM |
| | | | [] SQUEEZE CEMENT | | FINAL BPM |
| | | | [] ACID BREAKDOWN | | MINIMUM BPM |
| | | | [] ACID STIMULATION | | MAXIMUM BPM |
| | | | [] ACID SPOTTING | | AVERAGE BPM |
| | | | [] MISC PUMP | | |
| | | | [] OTHER | | HYD HHP = RATE X PRESSURE X 40.8 |

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Psistst, circ 3000s RCL H2O, 2nd 10w/ Dye, mix Pump 2295Ks cement at 30% excess at 1.27 yield at 15.2 lbs, or until cement stops up, Release Plug, Disp 31.1 BBls H2O Pump Plug At 150psi over LIP psi, wait 5min, Release psi, wash up Rig Down

Arrived w/ 5755Ks cement 4 gallons RCL 1602 Dye H2O test OK
51.7 BBls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 4:00am circ 4:37am cement 4:45am
Drop Plug 5:04am Displace 5:04am

10 BBls At 5.5 BBls/m 5:07am 360psi Used 45% excess
20 BBls At 5.5 BBls/m 5:11am 410psi used 2575Ks cement
30 BBls At 1.0 BBls/m 5:15am 240psi 57.7 BBls slurry
31.1 BBls At 1.0 BBls/m 5:15am 250psi
Pump Plug 5:15am 470psi

LPHW/ 3185Ks cement 3gal 1st RCL 602 Dye BBls Back 15

Rogge Foster WSS 5-10-11
AUTHORIZATION TO PROCEED TITLE DATE