

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9603

LOCATION Cr 88-59

FOREMAN Kirk Kallhauf
Guy A. Mike R

TREATMENT REPORT

| DATE | WELL NAME | SECTION | TWP | RGE | COUNTY | FORMATION |
|---------|---------------------|---------|-----|-----|--------|-----------|
| 1-20-11 | Dillard PL K6 34-13 | 34 | 8N | 64W | Weld | |

| | |
|---------------------------------|----------------------------|
| CHARGE TO Noble | OWNER |
| MAILING ADDRESS | OPERATOR Noble |
| CITY | CONTRACTOR Code 21 |
| STATE ZIP CODE | DISTANCE TO LOCATION |
| TIME ARRIVED ON LOCATION 5:00am | TIME LEFT LOCATION 10:30am |

| WELL DATA | | | PRESSURE LIMITATIONS | | |
|-------------------|------------------|--------------|---------------------------|-------------|------------|
| HOLE SIZE 12 1/4 | TUBING SIZE | PERFORATIONS | | THEORETICAL | INSTRUCTED |
| TOTAL DEPTH 836.3 | TUBING DEPTH | SHOTS/FT | SURFACE PIPE ANNULUS LONG | | |
| RBD 789.46 | TUBING WEIGHT | OPEN HOLE | STRING | | |
| CASING SIZE 8 5/8 | TUBING CONDITION | | TUBING | | |

| TYPE OF TREATMENT | | | TREATMENT RATE | | |
|-----------------------|---------------|--|---------------------|---------------|--|
| CASING DEPTH 829.26 | TREATMENT VIA | | 1 SURFACE PIPE | BREAKDOWN BPM | |
| CASING WEIGHT 241 lb | PACKER DEPTH | | 1 PRODUCTION CASING | INITIAL BPM | |
| CASING CONDITION Seal | | | 1 SQUEEZE CEMENT | FINAL BPM | |

| PRESSURE SUMMARY | | | | | |
|------------------------------|----------------|--|--------------------|----------------------------------|--|
| BREAKDOWN or CIRCULATING psi | AVERAGE psi | | 1 ACID BREAKDOWN | MINIMUM BPM | |
| FINAL DISPLACEMENT psi | ISIP psi | | 1 ACID STIMULATION | MAXIMUM BPM | |
| ANNULUS psi | 5 MIN SIP psi | | 1 ACID SPOTTING | AVERAGE BPM | |
| MAXIMUM psi | 15 MIN SIP psi | | 1 MISC PUMP | | |
| MINIMUM psi | | | 1 OTHER | HYD HHP = RATE X PRESSURE X 40.8 | |

INSTRUCTIONS PRIOR TO JOB: Rig up, set pump, mixing, PSI test, circ 50 BBLs H₂O 2-10-11/Dye, mix & Pump 350 SKS cement at 30% excess at 1127 psi at 152 lbs cement all cement stops as Release plug Displace 50.2 BBLs H₂O Pump Plug at 150 psi, wait 5 min Release PSI, wash up Rig Down.

Arrived w/ 575 SKS cement 4 gallons HCL 16 oz Dye H₂O 10' or 79.8 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: set plug, meeting 8:57am circ 9:15am cement 9:26am
Drop Plug 9:46am Displace 9:46am

10 BBLs at 5.5 BBLs/m 9:49am 300psi used 7% excess
20 BBLs at 5.5 BBLs/m 9:51am 320psi used 29.3 SKS cement
30 BBLs at 5.5 BBLs/m 9:53am 410psi 65.7 BBLs slurry
40 BBLs at 5.5 BBLs/m 9:55am 490psi
50 BBLs at 10 BBLs/m 10:01am 250psi
50.2 BBLs at 1.0 BBLs/m 10:01am 250psi
Bump Plug 10:01am 390psi

L Plug 282 SKS cement 2 gallons 3% HCL 6 oz Dye 13 BBLs RCL-5

Authorization to Proceed: [Signature] Co Rep DATE 1-20-11

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