

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9333  
LOCATION Hwy 85 + 66  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

| DATE     | WELL NAME        | SECTION | TWP | RGE | COUNTY | FORMATION |
|----------|------------------|---------|-----|-----|--------|-----------|
| 10-25-10 | Sherwood L30-28D | 30      | 3N  | 66W | Weld   |           |

|   |                                   |
|---|-----------------------------------|
| 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>7:14 AM</u> | TIME LEFT LOCATION <u>1:00 PM</u> |

| WELL DATA                    |                  |               | PRESSURE LIMITATIONS  |             |            |
|------------------------------|------------------|---------------|---|-------------|------------|
| HOLE SIZE <u>12 1/4</u>      | TUBING SIZE      | PERFORATIONS  |   | THEORETICAL | INSTRUCTED |
| TOTAL DEPTH <u>656.2</u>     | TUBING DEPTH     | SHOTS/FT      | SURFACE PIPE ANNULUS LONG   |             |            |
| <u>POTD 604.76</u>           | TUBING WEIGHT    | OPEN HOLE     | STRING  |             |            |
| CASING SIZE <u>8 5/8</u>     | TUBING CONDITION |               | TUBING  |             |            |
| CASING DEPTH <u>646.2</u>    |                  | TREATMENT VIA | TYPE OF TREATMENT   |             |            |
| CASING WEIGHT <u>24#</u>     | PACKER DEPTH     |               | TREATMENT RATE  |             |            |
| CASING CONDITION <u>Good</u> |                  |               | <input checked="" type="checkbox"/> SURFACE PIPE<br><input type="checkbox"/> PRODUCTION CASING<br><input type="checkbox"/> SQUEEZE CEMENT<br><input type="checkbox"/> ACID BREAKDOWN<br><input type="checkbox"/> ACID STIMULATION<br><input type="checkbox"/> ACID SPOTTING<br><input type="checkbox"/> MISC PUMP<br><input type="checkbox"/> OTHER |             |            |
|                              |                  |               | BREAKDOWN BPM   |             |            |
|                              |                  |               | INITIAL BPM   |             |            |
|                              |                  |               | FINAL BPM   |             |            |
|                              |                  |               | MINIMUM BPM   |             |            |
|                              |                  |               | MAXIMUM BPM   |             |            |
|                              |                  |               | AVERAGE BPM   |             |            |
|                              |                  |               | 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 to 500psi, Circ 30 bbls of H<sub>2</sub>O w/CL 2nd 6W 100oz Rx  
mix pump 278 sks of Cement @ 30% Excess @ 15.2" @ 1.27 yield. or until stopped By Coman Drop  
Play Displace 38.5 bbls of H<sub>2</sub>O Bump Play @ 150psi over 1.44 psi wait 5 min Release psi washup Rig Down  
Per Coman mix 4 bbls min then slow to 2 bbls if lost Circ H<sub>2</sub>O test OK  
Arrived w/ 500 sks of cement 491 KCL 32oz Dye 62.8 bbls of Slurry

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Safety meeting 11:32 am Circ 11:41 am Cement 12:13 pm  
Drop Play 12:13 pm Displace 12:13 pm

|           |         |         |          |   |
|-----------|---------|---------|----------|---|
| 10 bbls   | 4.0 /m  | 180 psi | 12:18 pm | Used 300 sks of Cement<br>40% Excess<br>62.8 bbls of Slurry |
| 20 bbls   | 4.0 /m  | 200 psi | 12:20 pm |   |
| 30 bbls   | 4.0 /m  | 260 psi | 12:23 pm |   |
| 38.5 bbls | 1.0 /m  | 230 psi | 12:28 pm |   |
| Bump Play | 410 psi |         | 12:28 pm |   |

6 bbls of Slurry Back

Tam Dun AUTHORIZATION TO PROCEED  
Rig Supervisor TITLE  
10-25-10 DATE