

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9559  
LOCATION Hwy 392 & 67  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

|  |  |                     |                                       |                   |                       |           |
|--|--|---------------------|---------------------------------------|-------------------|-----------------------|-----------|
| DATE<br><u>2-15-11</u>                     | WELL NAME<br><u>Bashor PC AA 09-08</u> | SECTION<br><u>9</u> | TWP<br><u>6N</u>                      | RGE<br><u>63W</u> | COUNTY<br><u>Weld</u> | FORMATION |
| CHARGE TO<br><u>Noble</u>                  |  |                     | OWNER                                 |                   |                       |           |
| MAILING ADDRESS                            |  |                     | OPERATOR<br><u>Noble</u>              |                   |                       |           |
| CITY                                       |  |                     | CONTRACTOR<br><u>Codezz</u>           |                   |                       |           |
| STATE ZIP CODE                             |  |                     | DISTANCE TO LOCATION                  |                   |                       |           |
| TIME ARRIVED ON LOCATION<br><u>9:24 AM</u> |  |                     | TIME LEFT LOCATION<br><u>10:00 AM</u> |                   |                       |           |

| WELL DATA                       |                  |               | PRESSURE LIMITATIONS                             |  |                                  |
|---------------------------------|------------------|---------------|--|--|----------------------------------|
| HOLE SIZE<br><u>72 1/4</u>      | TUBING SIZE      | PERFORATIONS  | THEORETICAL                                      |  | INSTRUCTED                       |
| TOTAL DEPTH<br><u>570.10</u>    | TUBING DEPTH     | SHOTS/FT      | SURFACE PIPE ANNULUS LONG                        |  |                                  |
| <u>PATD 518.06</u>              | TUBING WEIGHT    | OPEN HOLE     | STRING   |  |                                  |
| CASING SIZE<br><u>858</u>       | TUBING CONDITION |               | TUBING   |  |                                  |
| CASING DEPTH<br><u>566.16</u>   |                  | TREATMENT VIA | TYPE OF TREATMENT                                |  | TREATMENT RATE                   |
| CASING WEIGHT<br><u>29#</u>     | PACKER DEPTH     |               | <input checked="" type="checkbox"/> SURFACE PIPE |  | BREAKDOWN BPM                    |
| CASING CONDITION<br><u>Good</u> |                  |               | <input type="checkbox"/> PRODUCTION CASING       |  | INITIAL BPM                      |
|                                 |                  |               | <input type="checkbox"/> SQUEEZE CEMENT          |  | FINAL BPM                        |
|                                 |                  |               | <input type="checkbox"/> ACID BREAKDOWN          |  | MINIMUM BPM                      |
|                                 |                  |               | <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 |

| 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, Psitest, Circ 30 bbls of H<sub>2</sub>O w/ Kcl 2nd 10w Dye, mix + pump 242 sks of Cement @ 30% excess @ 15.2' @ 1.27 yield or until stopped by Command, Drop Plug, Displace 33 bbls of H<sub>2</sub>O Bump Plug @ 150 psi over 1.44 psi wait 5 min Release PSI wash up Rig Down.

Arrival w/ 500 sks of Cement 4 gal Kcl 3202 Dye H<sub>2</sub>O test OK  
54.7 bbls of Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 7:50 AM Circ 8:45 AM Cement 8:26 AM  
Drop Plug 8:43 AM Displace 8:43 AM

|           |       |         |         |   |
|-----------|-------|---------|---------|---|
| 10 bbls   | 5.0/m | 160 psi | 8:48 AM | Used 242 sks of Cement<br>30% excess<br>54.7 bbls of Slurry |
| 20 bbls   | 5.0/m | 260 psi | 8:51 AM |   |
| 30 bbls   | 2.5/m | 230 psi | 8:58 AM |   |
| 33 bbls   | 1.0/m | 230 psi | 9:01 AM |   |
| Bump Plug |       | 340 psi | 9:01 AM |   |

Left w/ 258 sks of Cement 3 gal 1st Kcl 2202 Dye  
10 bbls to pit

Jim Turner WSS 2-15-11  
AUTHORIZATION TO PROCEED TITLE DATE