

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9572  
LOCATION WCR 122+89  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

|  |   |                                       |                   |                   |                       |           |
|--|---|---------------------------------------|-------------------|-------------------|-----------------------|-----------|
| DATE<br><u>1-7-11</u>                        | WELL NAME<br><u>FABRIZIUS PC GK 27-99HZ</u> | SECTION<br><u>27</u>                  | TWP<br><u>11N</u> | RGE<br><u>61W</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>H&amp;P Rig 343</u>  |                   |                   |                       |           |
| STATE ZIP CODE                               |   | DISTANCE TO LOCATION                  |                   |                   |                       |           |
| TIME ARRIVED ON LOCATION<br><u>4:00 p.m.</u> |   | TIME LEFT LOCATION<br><u>10:15 AM</u> |                   |                   |                       |           |

| WELL DATA                       |                  |               | PRESSURE LIMITATIONS                             |  |                                  |
|---------------------------------|------------------|---------------|--|--|----------------------------------|
| HOLE SIZE<br><u>13 3/4</u>      | TUBING SIZE      | PERFORATIONS  | THEORETICAL                                      |  | INSTRUCTED                       |
| TOTAL DEPTH<br><u>1497</u>      | TUBING DEPTH     | SHOTS/FT      | SURFACE PIPE ANNULUS LONG                        |  |                                  |
| <u>PBTD 1447.05</u>             | TUBING WEIGHT    | OPEN HOLE     | STRING   |  |                                  |
| CASING SIZE<br><u>9 5/8</u>     | TUBING CONDITION |               | TUBING   |  |                                  |
| CASING DEPTH<br><u>1489.28</u>  |                  | TREATMENT VIA | TYPE OF TREATMENT                                |  | TREATMENT RATE                   |
| CASING WEIGHT<br><u>3616.</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, Per Company Man, Circ 50 bbls H<sub>2</sub>O with KCL, Lead, Mix + pump 30% Excess to Cover 1197' = 485 sacks at 13.1 lbs. 1.69 yield, Tail, Mix + pump 0% Excess to Cover 300' + Shoe = 140 SKs at 15.2 lbs. 1.27 yield, Drop plug Displace 111.8 bbls H<sub>2</sub>O, Bump plug at 500 Psi over Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, H<sub>2</sub>O tested good, We have 550 SKs Lead, 200 SKs Tail, 15 Rts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 5:42 am, Psi Check to 1650 Psi, Circ 6:22 am Cement 6:48 am to 7:48 am, Drop plug 7:50 am, Displace 7:52 am  

|                                    |                                       |
|------------------------------------|---------------------------------------|
| 10 bbls 200 Psi 7:57 am 7.0 bbls/m | 70 bbls 350 Psi 8:11 am 7.0 bbls/m    |
| 20 bbls 200 Psi 7:59 am 7.0 bbls/m | 80 bbls 360 Psi 8:13 am 7.0 bbls/m    |
| 30 bbls 220 Psi 8:01 am 7.0 bbls/m | 90 bbls 410 Psi 8:16 am 7.0 bbls/m    |
| 40 bbls 220 Psi 8:03 am 7.0 bbls/m | 100 bbls 490 Psi 8:18 am 7.0 bbls/m   |
| 50 bbls 220 Psi 8:06 am 7.0 bbls/m | 111.8 bbls 410 Psi 8:27 am 1.0 bbls/m |
| 60 bbls 300 Psi 8:08 am 7.0 bbls/m |                                       |

Did not Bump plug Company Man Stopped me at 111.8 bbls, Float Collar Held

No waiting Time Per John Hall

41 bbls Slurry to the Pit

John Sand CO-Manager 1-7-11  
 AUTHORIZATION TO PROCEED TITLE DATE