

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10179

LOCATION Hwy 85+29

FOREMAN Calvin Reimers

## TREATMENT REPORT

|                                      |                               |               |                                |            |                |           |
|--------------------------------------|-------------------------------|---------------|--------------------------------|------------|----------------|-----------|
| DATE<br>7-15-11                      | WELL NAME<br>TANNER K 33-65HN | SECTION<br>33 | TWP<br>4N                      | RGE<br>66W | COUNTY<br>Weld | FORMATION |
| CHARGE TO<br>Noble                   |                               |               | OWNER                          |            |                |           |
| MAILING ADDRESS                      |                               |               | OPERATOR<br>Noble              |            |                |           |
| CITY                                 |                               |               | CONTRACTOR<br>H&P Rig 343      |            |                |           |
| STATE ZIP CODE                       |                               |               | DISTANCE TO LOCATION           |            |                |           |
| TIME ARRIVED ON LOCATION<br>2:00 pm. |                               |               | TIME LEFT LOCATION<br>1:30 am. |            |                |           |

| WELL DATA                |                  |               | PRESSURE LIMITATIONS                             |  |                                  |
|--------------------------|------------------|---------------|--|--|----------------------------------|
| HOLE SIZE<br>13 3/4      | TUBING SIZE      | PERFORATIONS  | THEORETICAL                                      |  | INSTRUCTED                       |
| TOTAL DEPTH<br>631       | TUBING DEPTH     | SHOTS/FT      | SURFACE PIPE ANNULUS LONG                        |  |                                  |
| PBTD 587.97              | TUBING WEIGHT    | OPEN HOLE     | STRING   |  |                                  |
| CASING SIZE<br>9 5/8     | TUBING CONDITION |               | TUBING   |  |                                  |
| CASING DEPTH<br>628      |                  | TREATMENT VIA | TYPE OF TREATMENT                                |  | TREATMENT RATE                   |
| CASING WEIGHT<br>3616    | PACKER DEPTH     |               | <input checked="" type="checkbox"/> SURFACE PIPE |  | BREAKDOWN BPM                    |
| CASING CONDITION<br>Good |                  |               | <input type="checkbox"/> PRODUCTION CASING       |  | INITIAL BPM                      |
|                          |                  |               | <input type="checkbox"/> SOOZE 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 |

INSTRUCTIONS PRIOR TO JOB  
AT 11:20 AM, 2 Rigs up, Safety meeting, PER COMPANY MAN, CIRC 40 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2nd 10 bbls, Mix pump tell Dye is seen than Mix pump 10 bbls Slurry + Tub, Don't go over 30% excess without talking to Company Man, Drop plug, Displace 45.4 bbls H<sub>2</sub>O, Bump plug at 500 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 700 sks, 3202 Dye, 23 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 11:17 am, CIRC 11:51 am, CEMENT 11:58 am to 12:16 am

Drop Plug 12:19 am, Displace 12:20 am

10 bbls 430 Psi 12:23 am 7.0 bbls/m

20 bbls 460 Psi 12:25 am 7.0 bbls/m

30 bbls 570 Psi 12:27 am 7.0 bbls/m

40 bbls 540 Psi 12:28 am 6.0 bbls/m

45.4 bbls 300 Psi 12:30 am 1.0 bbls/m

Bump Plug 980 Psi AT 12:30 am Float Collar Held

USED 31% Excess = 343 SKs, 77.58 bbls Slurry

Avg CEMENT 4.3 bbls/m Avg Displace 6.0 bbls/m

Left with 357 SKs, 16 oz Dye, 19 Qts KCL

12 bbls Slurry to The Pit

*Signature*

AUTHORIZATION TO PROCEED

TITLE

7-15-11

DATE