

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10267
LOCATION 41 & 22
FOREMAN Grant Lowe

TREATMENT REPORT

| | | | | | | |
|--|------------------------------------|--------------------------------------|------------------|-------------------|-----------------------|-----------|
| DATE <u>8-11-11</u> | WELL NAME <u>Dechant X08-10</u> | SECTION <u>8</u> | TWP <u>ZN</u> | RGE <u>65W</u> | COUNTY <u>Weld</u> | FORMATION |
| CHARGE TO <u>Noble</u> | | OWNER | | | | |
| MAILING ADDRESS | | OPERATOR <u>Noble</u> | | | | |
| CITY | | CONTRACTOR <u>Cade #21</u> | | | | |
| STATE ZIP CODE | | DISTANCE TO LOCATION | | | | |
| TIME ARRIVED ON LOCATION <u>7:40 AM</u> | | TIME LEFT LOCATION <u>1:10 pm</u> | | | | |

| WELL DATA | | | PRESSURE LIMITATIONS | | |
|---------------------------------|------------------|---------------|---------------------------|--|----------------------------------|
| HOLE SIZE <u>12 1/4</u> | TUBING SIZE | PERFORATIONS | THEORETICAL | | INSTRUCTED |
| TOTAL DEPTH <u>821</u> | TUBING DEPTH | SHOTS/FT | SURFACE PIPE ANNULUS LONG | | |
| <u>PBTD 767</u> | TUBING WEIGHT | OPEN HOLE | STRING | | |
| CASING SIZE <u>8 5/8</u> | TUBING CONDITION | | TUBING | | |
| CASING DEPTH <u>814</u> | | TREATMENT VIA | TYPE OF TREATMENT | | TREATMENT RATE |
| CASING WEIGHT <u>24 lbs</u> | PACKER DEPTH | | [] SURFACE PIPE | | BREAKDOWN BPM |
| CASING CONDITION <u>Good</u> | | | [] PRODUCTION CASING | | INITIAL BPM |
| | | | [] SQUEEZE CEMENT | | FINAL BPM |
| | | | [] ACID BREAKDOWN | | MINIMUM BPM |
| | | | [] ACID STIMULATION | | MAXIMUM BPM |
| | | | [] ACID SPOTTING | | AVERAGE BPM |
| | | | [] MISC PUMP | | |
| | | | [] 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 Co man, Press test 1 lb, Circulate 50 bbls
20/KCL with dye x 8 1/2 boz in 2nd 10 bbls, Mix and pump cement 15.2 density @ 1.27 yield until dye is
seen, not to exceed 50% excess without consulting Co man, Drop plug displace 48.9 bbls H₂O bump plug @
psi over lift press, Wait 5 min, release press, Wash up, Rig down. H₂O tested good
Arrived on location with 700 sks, 16oz dye, 15 gals KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting @ 11:00 AM, Circulate @ 11:38 AM, Cement @ 11:46 to 12:08 AM,
Drop plug @ 12:10 PM, Displace @ 12:11 PM,
10 bbls @ 220 psi @ 12:12 PM @ 7.0 bbls/min
20 bbls @ 300 psi @ 12:14 PM @ 7.0 bbls/min
30 bbls @ 400 psi @ 12:16 PM @ 7.0 bbls/min
40 bbls @ 430 psi @ 12:17 PM @ 4.0 bbls/min
48.9 bbls @ 360 psi @ 12:21 PM @ 1.0 bbl/min
Bump plug @ 520 psi @ 12:22 PM
Float collar held.

12% Excess
300 Sacks
67.9 bbls slurry
7 bbls in pit

Left location with 400 sks, 0 dye, 10 gals KCL

[Signature]

8-11-11

AUTHORIZATION TO PROCEED

TITLE

DATE

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.