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NEW MEXICO OIL CONSERVATION COMMISSION

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AUG 28 1981

O. C. D.
ARTESIA, OFFICE

30-015-23945

Form C-101
Revised 1-1-65

| | |
|--------------------------------|---|
| 5A. Indicate Type of Lease | |
| STATE <input type="checkbox"/> | FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No. | |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | | | |
|--|--|---|---|--------------------------|-----------------------------|
| 1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | 7. Unit Agreement Name - | | |
| 3. Name of Operator Read & Stevens, Inc. | | | 8. Farm or Lease Name Carrasco | | |
| 4. Address of Operator P.O. Box 1518, Roswell, NM 88201 | | | 9. Well No. 1 | | |
| 4. Location of Well UNIT LETTER <u>O</u> LOCATED <u>1980</u> FEET FROM THE <u>East</u> LINE AND <u>810</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>6</u> TWP. <u>23S</u> RGE. <u>28E</u> NMPM | | | 11. Field and Pool, or Wildcat North Loving | | |
| | | | 12. County Eddy | | |
| 11. Elevations (Show whether DF, RT, etc.) 3038.8' GL | | 21A. Kind & Status Plug. Bond Statewide | 19. Proposed Depth 12,900' | 19A. Formation Morrow | 20. Rotary or CWT Rotary |
| | | 21B. Drilling Contractor Sierra Drilling Co. | 22. Approx. Date Work will start Dec. 15, 1981 | | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 20" | 16" | 75# | 400' | 500 | circ. |
| 14" | 10 3/4" | 45.5# | 3000' | 1350 | circ. |
| 9 7/8" | 7 5/8" | 39# & 29.7# | 9600' | 850 | 5500' |
| 6 1/2" | 5" | 23.3# | 12,900' | 375 | 9400' |

We propose to drill & test the Morrow sand formation at approximately 12,600'. Approximately 400' of the 16" surface casing will be set to protect fresh water sands. Cement will be circulated. If the well is commercial, a 5" production liner will be set from 9400'-12,900' & circulate w/ cement.

Mud Program: 0-400' spud mud w/gel/lime slurry, mud 9#, vis 34-36, WL no control
400'-3000' brine water w/gel, mud 10.2#, vis 33-36, WL no control.
3000'-9600' brine water w/gel, mud 9.2#, vis 34-36, WL no control.
9600'-12,900' saturated brine polymer mud, mud wt 11-12 PPG, vis 38-40, FL 10 ML.

BOP Program: surface to 9600' - Hydril 11" 5000psi, double ram BOP w/ type 80 Koomey accumulator unit, 3000psi WP.
9600'-12,900' - TIW 7 1/16", 10,000psi Type U double Hydril BOP & 7 1/16", 10,000psi GK Hydril.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 3-29-82
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION ZONE AND IN PROPOSED PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Don Stobbs Title Drilling & Production Mgr Date 8-27-81

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP 29 1981

CONDITIONS OF APPROVAL, IF ANY:

Posted ID-1
API & NL Book
10-2-81