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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: L-5104

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

b. Type of Well: DRILL [ ] DEEPEN [X] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name:

8. Farm or Lease Name: State FQ Gas Com

2. Name of Operator: Amoco Production Company

9. Well No.: 1

3. Address of Operator: P. O. Box 68, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: Antelope Ridge Morrow

4. Location of Well: UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 26 TWP. 23-S RGE. 34-E NMPM

12. County: Lea

| 19. Proposed Depth | 19A. Formation | 20. Rotary or C.T. |
|---|---|---|
| 13910 | MOrrow | Rotary |

| 21. Elevations (Show whether DF, RT, etc.) | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor | 22. Approx. Date Work will start |
|---|---|---|---|
| 3441' GL | Blanket on file | | |

23.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| 20" | 16" | 65# | 792' | 440 sx Circ. | Surf. |
| 14-3/4" | 10-3/4" | 40.5, 51# | 5160' | 4500 sx Circ. | BTM of 16" |
| 9-1/2 | 7-5/8" | 39# | 12085' | 2450 sx | 4725 |
| 6-1/4" | 5" liner | 18# | 11759'-13890' | 205 sx | 11759' |

Propose to drill out the cement and cast iron bridge plug isolating the previously produced Morrow intervals and acidize per the following: Move in and rig up service unit. Kill well with 2% KCL brine water. Pull Vann System, packer, and tubing. Run in hole with bit on 2-7/8" tubing and tag top of cement at ±13,280'. Drill out 35' cement and cast iron bridge plug (CIBP set at 13,320'.) Lower bit past bottom perfs at 13,479' and circulate hole clean with 2% KCL brine water. Pull out of hole. (Note: Approx. Morrow pressure is 2300 psi.) Run in hole with 2 jts. of 2-7/8" tailpipe, Guiberson Uni -VI packer, and tubing. Land tubing at±13,300 (Packer will set at ±13,240'.) Load backside with 2% KCL brine water. (Note: Atoka perfs 13,096'-13,103' are open with approx. 3600 psi of pressure.) Acidized Morrow intervals 13,380'-13,392' and 13,473'-13,479' with 2000 gals. of 7-1/2% MS acid containing 1000 SCF/bbl Nitrogen, 1 gal corrosion inhibitor, 100 gal Checker-Sol, and 2 gal clay stabilizer. Pump acid 3-5 BPM and drop 1

0+4-NMOCD,H 1-HOU 1-W. Stafford, HOU 1-CMH

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE 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 Karla M. Sering Title Assist. Admin. Analyst Date 1-18-83

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPR. TITLE DATE JAN 20 1983

CONDITIONS OF APPROVAL, IF ANY:

ball sealer per bbl unit ball-out. Flush acid to bottom perfs(13,479')with 83 bbl of 2% KCL brine water containing 1000 SCF/bbl Nitrogen, Swab to recover load. Flow test to evaluate productivity. Rig down and move out service unit.