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NEW MEXICO OIL CONSERVATION COMMISSION

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OCT 30 1979

O. C. C.
ARTESIA, OFFICE

30-005-60611

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease

STATE ☐

FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|--|--|---|--|
| 1a. Type of Work | | 7. Unit Agreement Name | |
| b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 8. Farm or Lease Name Bestwall | |
| 2. Name of Operator Mesa Petroleum Co | | 9. Well No. 1 | |
| 3. Address of Operator 1000 Vaughn Building / Midland, Texas 79701 | | 10. Field and Pool, or Wildcat Wildcat Wolfcamp | |
| 4. Location of Well UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 29 TWP. 9S RGE. 25E NMPM | | 12. County Chaves | |
| 19. Proposed Depth 4400' | | 19A. Formation Wolfcamp | |
| 20. Rotary or C.T. Rotary | | 21. Elevations (Show whether DE, RT, etc.) 3547.5 GR | |
| 21A. Kind & Status Plug. Bond Blanket | | 21B. Drilling Contractor WEK | |
| 22. Approx. Date Work will start November 12, 1979 | | | |

23.

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|----------------------|-------------------------|
| 17-1/2" | 13-3/8" | 48# | 300' | 320 sx "C" | circ to sfc |
| 11" | 8-5/8" | 24# | 1500' | 265 LW/200 "C" | surface |
| 7-7/8" | 4-1/2" | 10.5# | 4400' | 600 LW/200 50/50 Poz | sufficient to cover pay |

Propose to drill 17-1/2" hole to 300' without BOPs. Will then run 13-3/8" casing and circulate cement to surface with an estimated 320 sx class "C" + 2% CaCl mixed at 14.8 ppg. Reduce hole to 11" and drill to 1500' and run 8-5/8" casing, cementing with 265 sx Howco Lite + 1/4# flocele + 2% CaCl mixed at 12.4 ppg, tailing in with 200 sx Class "C" + 2% CaCl mixed at 14.8 ppg. Will nipple up 10" API 3000 psi WP double BOP with pipe and blind rams. Will then reduce hole to 7-7/8" and drill to total depth of approximately 4400'. Will run 4-1/2" production casing cemented with 600 sx Howco Lite + 1/4# flocele + 10# salt mixed at 12.7 ppg, tail in with 200 sx 50/50 poz + 2% gel + 8# salt + 3/10% CFR-2 mixed at 14.1 ppg to cover all pay and tie into surface. Nipple up 10" API 3000 psi x 6" API 3000 psi at bottom of well.

FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 2-2-80

Operator's gas is not dedicated to a purchaser.

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 R. E. Mather Title Regulatory Coordinator Date October 29, 1979

(This space for State Use)

APPROVED BY W. A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE NOV 2 1979

CONDITIONS OF APPROVAL, IF ANY:

XC: MEC, TLS, NMOCD-Artesia, JWH, FILE JBH, W. I. GUMERS 5/8" casing
Cement must be circulated to surface below 13 3/8" casing

Notify N.M.O.C.D. representative time to witness cementing the 8 5/8" casing