

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

E-2519

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|
| 1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 7. Unit Agreement Name |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> | | 8. Farm or Lease Name E-K Deep |
| 2. Name of Operator CONOCO INC. | | 9. Well No. 1 |
| 3. Address of Operator P. O. Box 460, Hobbs, N.M. 88240 | | 10. Field and Pool, or Wildcat Undesignated Wolfcamp/ Undesignated Bone Spring/ Undesignated Morrow |
| 4. Location of Well UNIT LETTER <u>M</u> LOCATED <u>715</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>22</u> TWP. <u>18S</u> RGE. <u>34E</u> NMPM | | 12. County Lea |
| 19. Proposed Depth 13,800 | | 19A. Formation Wolfcamp/ Bone Spring/ Morrow |
| 20. Rotary or C.T. Rotary | | 21. Elevation (Show whether DF, KT, etc.) 4008.2 GL |
| 21A. Kind & Status Plug. Bond Blanket | | 21B. Drilling Contractor N/A |
| 22. Approx. Date Work will start November 1, 1985 | | |

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 | 400' | 425 | Circ. |
| 12-1/4" | 9-5/8" | 36 | 4000' | 2100 | Circ. |
| 8-3/4" | 7-0" | 26 | 11,800' | 1380 | N/A |
| 8-3/4" | 5-0" liner | 18 | 13,800' | 350 | 11,600' |

The location of the subject well has been changed from 660' FSL & FWL, Sect. 22-18S-34E to 715' FSL & 990' FWL, Sect. 22-18S-34E to avoid a pipeline as well as to take advantage of the new location's geology. The subject well will now be completed as a dual zone oil well if the exploratory tail to the Morrow formation proves commercial. If the Morrow proves commercial, it will be dual completed with either the Wolfcamp or Bone Spring. Please note that the proposed csg and cementing program has been revised. There will be a 5-0" liner run from 11,600' to 13,800' for the Morrow tail and the est. top will be 11,600'. A rev. plat for each formation is attached.

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 [Signature] Title Administrative Supervisor Date 9-23-85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE SEP 26 1985

CONDITIONS OF APPROVAL, IF ANY: