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NEW MEXICO OIL CONSERVATION COMMISSION

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JUN 5 1980

O. C. D.  
ARTESIA, OFFICE

30-015-23353

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<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |   | 7. Unit Agreement No.                               |
| b. Type of Well<br>OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |   | 8. Firm or Lease Name<br>Rio Penasco KD <i>Com</i>  |
| 2. Name of Operator<br>Yates Petroleum Corporation  |   | 9. Well No.<br>2                                    |
| 3. Address of Operator<br>207 South 4th Street, Artesia, New Mexico 88210   |   | 10. Field and Pool, or Wellbore<br>Und. Boyd Morrow |
| 4. Location of Well<br>UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>West</u> LINE<br>AND <u>1680</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>2</u> TWP. <u>19S</u> RGE. <u>25E</u> NMPM       |   | 11. County<br>Eddy                                  |
| 12. Proposed Depth<br>9300'   |   | 13A. Formation<br>Morrow                            |
| 13B. Drilling Contractor<br>Moranco 9 (?)   |   | 14. Rotary or C.T.<br>Rotary                        |
| 21. Casing (whether DE, RL, etc.)<br>3449 GL  | 21A. Kind & Status Plug Bond<br>Blanket | 22. Approx. Date Work will start<br>ASAP            |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT               | SETTING DEPTH | SACKS OF CEMENT | EST. TOP  |
|--------------|----------------|-------------------------------|---------------|-----------------|-----------|
| 17½"         | 13 3/8"        | 48#                           | approx. 400'  | 375             | circulate |
| 12½"         | 8 5/8"         | 24#                           | approx. 1200' | 700             | circulate |
| 7 7/8"       | 5½" or 4½"     | 15.5 - 17# or<br>10.5 - 11.6# | TD            | 500             |           |

We propose to drill and test the Morrow and intermediate formations. Approx. 400' of surface casing will be set at least 100' below the Artesian Water sand with cement circulated on both strings. If commercial, will run 5½" or 4½" casing and cement with 600' of cover.

MUD PROGRAM: FW gel and LCM to 1200', water to 5900', starch-driscopak-KCL mud to 8100' flosal-driscopak-KCL to TD.

BOP PROGRAM: BOP's and hydril on 8 5/8" casing and tested, pipe rams daily for operational, Yellow Jacket prior to drilling Wolfcamp. FOR 90 DAYS UNLESS DRILLING COMMENCED,

GAS NOT DEDICATED.

EXPIRES 9-6-80

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 Johnny A. Lopez Title Regulatory Coordinator Date June 5, 1980

(This space for State Use)

APPROVED BY N.A. Gussitt TITLE SUPERVISOR, DISTRICT II DATE JUN 6 1980

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" & 8 5/8" casing

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