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# NEW MEXICO OIL CONSERVATION COMMISSION

OCT 31 1980

O C O  
ARTESIA, OHIO

30-015-23610

Form C-101  
Revised 11-65

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

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

|                                                                                                                        |                                |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1a. Type of Work                                                                                                       | 7. Unit Agreement Name         |
| 5. Type of Well<br>OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | 8. Term of Lease Date          |
| DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>           | N. Carlsbad "OK" Com           |
| SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>                                            | 9. Well No.                    |
| 2. Name of Operator                                                                                                    | 1                              |
| Yates Petroleum Corporation                                                                                            | 10. First and Last, or Willard |
| 1. Address of Operator                                                                                                 | Und. Morrow                    |
| 207 South 4th Street, Artesia, NM 88210                                                                                |                                |
| 3. Location of Well                                                                                                    | 12. County                     |
| UNIT LETTER B LOCATED 660 FEET FROM THE North LINE                                                                     | Eddy                           |
| 1650 FEET FROM THE East LINE OF SEC. 26 TWP. 21S RGP. 26E                                                              |                                |
| 11. Proposed Depth                                                                                                     | 13. Formation                  |
| 11400' Approx                                                                                                          | Morrow                         |
| 14. Kind of Cement Plug Back                                                                                           | 15. Drilling Contractor        |
| Blanket                                                                                                                | And 6                          |
| 16. Approx. Date Work will start                                                                                       |                                |
| As soon as approved                                                                                                    |                                |

## 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# J-55                    | 400'          | 350 sx          | circulate |
| 12 1/2"      | 8 5/8"          | 24# J-55                    | 2800'         | 800 sx          | circulate |
| 7 7/8"       | 5 1/2 or 4 1/2" | 17 or 11.6#<br>K-55 or N-80 | TD            | 350 sx          |           |

Propose to drill and test the Morrow and intermediate horizons. Will set approximately 400' surface casing to shut off gravel and casing, and will set intermediate casing at 2800', with both strings being circulated. If commercial will run 5 1/2 or 4 1/2 and cement with at least 600 ft. of cover.

**MUD PROGRAM:** FW gel and LCM to 2800', water to 8200', starch-driskak-KCL to 10,200; and flosal-driskak-KCL to TD.

**BOP PROGRAM:** BOP's and hydril on 8 5/8" casing and tested, pipe rams tested daily, blind rams on trips; yellow jacket, pit level control and flow sensor on prior to Wolfcamp.

**GAS NOT DEDICATED.**

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 7-16-81  
UNLESS DRILLING UNDERWAY

LOCATION IS WITHIN CITY LIMITS OF CARLSBAD AND THE CITY OF CARLSBAD HAS BEEN NOTIFIED.

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 BLENDING PREVENTION PROGRAM, IF ANY.

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

Signed John A. Lopez Title Regulatory Coordinator Date 10/13/80  
(This space for State Use)

APPROVED BY W. A. Gressitt TITLE SUPERVISOR, DISTRICT II DATE JAN 16 1981

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