

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Yates Petroleum Corporation

## 3. ADDRESS OF OPERATOR

207 South Fourth Street, Artesia, NM 88210

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL &amp; 1980' FEL of Section 20-20S-29E

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12 miles NE of Carlsbad, NM

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

Approx. 12,000'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3261' GR

## 22. APPROX. DATE WORK WILL START\*

As soon as approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT           | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|---------------------------|---------------|--------------------|
| 17½"         | 13-3/8"        | 48# H40 New               | Approx. 600'  | Circulate          |
| 12½-11"      | 8-5/8"         | 32# K55 New               | " 3100'       | "                  |
| 7-7/8"       | 5½" or 4½"     | 17#&20#N80 New            | " 12,000'     | 250 sacks          |
|              |                | or 11.6#&13.5#<br>N80 New |               |                    |

Propose to drill to 12,000' & test the Morrow & intermediate horizons. Approximately 600' of surface casing & 3100' of intermediate casing will be run & cemented to the surface. If commercial pay is encountered, will run 5½" or 4½" casing, cement w/minimum of 600' cover, perforate & stimulate as needed for production.

Mud Program: FW Gel & LCM to 3100' (8.6-9.0 ppg), Water to 8500' (8.6-9.0 ppg), Brine to 10,000' (9.5-9.9 ppg), Flosal-Drispak mud to TD (9.6-10.2 ppg).

BOP Program: BOP's & Hydril will be installed on 8-5/8" casing & tested daily; will Yellow Jacket prior to drilling Wolfcamp.

Gas not committed.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

Eddie L. Luskford

TITLE

Engineer

DATE

9-8-76

(This space for Federal or State office use)

APPROVED

APPROVED

CONDITION OF APPROVAL ANY:

BEEKIVIAN

DISTRICT ENGINEER

THIS APPROVAL IS REVOKED IF OPERATIONS

EXPIRES JAN 18 1977

\*See Instructions On Reverse Side