

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-22120

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, 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, O.C.C.  
ARTESIA, OFFICE

## 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

990' FSL &amp; 1980' FWL of Section 5-21S-22E

At proposed prod. zone

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

Approximately 30 miles NW of Carlsbad, NM.

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

## 16. NO. OF ACRES IN LEASE

## 19. PROPOSED DEPTH

8600'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4314' GR

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15½"	13-3/8" New	48# J-55	Approx. 30'	Circulated
12½-11"	8-5/8" New	24# J-55	Approx. 1100'	600 sacks - Circulated
7-7/8"	5½" New or 4½" New	15.5-17# K-55 10.5-11.6# K-55	TD	250 sacks

Propose to drill and test the Morrow and intermediate formations. One joint of conductor pipe will be set & cemented. Intermediate casing will be set at least 100 feet below the Artesian Water Zone & cement circulated. If commercial pay is encountered, will run 5½" or 4½" casing, cement with 600 feet of cement cover, perforate & stimulate as needed for production.

MUD PROGRAM: F.W. Gel & LCM to 1100', fresh water to 4000', KCL water to 7200', Flosal-Drispak-KCL mud to TD; MW 8.9, Vis 36-39, WL 10-7.

BOP PROGRAM: BOP's & hydril on 8-5/8" casing & tested, pipe rams daily, blind rams on trips, Yellow Jacket prior to drilling the Wolfcamp, pit level and flow sensor.

Gas acreage not dedicated.

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. Lutzford

TITLE

Engineer

DATE

3-1-77

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APR 13 1977

R. L. G. E. M. W.

ACTING DISTRICT ENGINEER

THIS APPROVAL IS VOID IF OPERATIONS  
ARE NOT COMPLETED WITHIN 3 MONTHS.  
APPROVAL DATE

JUL 13 1977

EXPIRES

TITLE

MAR 01 1977

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

DECLARED WATER BASIN

CEMENTED AND THE  
CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO

WITNESS CEMENTING THE CASING.

\*See Instructions On Reverse Side