

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-015-22082  
5. LEASE DESIGNATION AND SERIAL NO.  
NM 326

## 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 ☐ARTESIA, OFFICE  
ZONE ☒ 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

1980' FNL &amp; 1980' FWL of Section 8-23S-23E

At proposed prod. zone

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

24 miles WSW 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

ARTESIA, NEW MEXICO

## 19. PROPOSED DEPTH

10,000'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4206' 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" New	48#	Approx. 440'	300 sacks - circulate
12½-11"	8-5/8" New	24#	Approx. 1200'	600 sacks - Circulate
7-7/8"	5½" New or 4½" New	17#K-55&N-80 11.6#K-55&N-80	Approx 10000'	250 sacks

Propose to drill and test the Morrow and intermediate formations. Approximately 440' of surface casing will be set to shut off gravel and cavings, cement circulated for fresh water protection. Intermediate casing will be set below Artesian Water. If commercial pay is encountered, will run 5½" or 4½" casing.

MUD PROGRAM: F.W. Gel to 440', fresh water to 5000', KCL water to 8000' and Flosal-Drispak-KCL mud to TD; MW 8.9, Vis 36-39, WL 12-7.

BOP PROGRAM: BOP's & hydril on 8-5/8" casing & tested daily, yellow jacket prior to drilling the Wolfcamp.

## 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. Walz TITLE Engineer DATE 2-23-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

ACTING DISTRICT ENGINEER

THIS APPROVAL IS FOR THE PROPOSED OPERATIONS  
ARE NOT COMMENCED WITHIN 9 MONTHS.  
JUN 4 1977  
See Instructions On Reverse Side

DECLARED WATER BASIN  
13 3/4  
8 1/4  
CEMENT BEHIND THE  
CASING MUST BE CIRCULATED

NOTIFY US IN SUFFICIENT TIME TO  
8 1/4  
CASING.