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SUBMIT TRIPPLICATE  
(Other actions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.

OCT 18 1976 DEPARTMENT OF THE INTERIOR

UNITED STATES

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY

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

2080' FNL & 1980' FWL of Section 13-21S-21E  
At proposed prod. zone

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

31 miles West of Carlsbad, NM

10. DISTANCE FROM PROPOSED\*

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

8400'

20. ROTARY OR CABLE TOOLS

Rotary

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

4460' GR

22. APPROX. DATE WORK WILL START\*

November 30, 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48# H-40	Approx. 300'	Circulate
12 1/4"	8-7/8"	24# K-55	Approx. 1550'	Circulate
7-7/8"	5 1/2 or 4 1/2"	15.5-17# or 10.5-11.6#	TD	200-300 sacks

Propose to drill & test the Morrow and intermediate horizons. Surface casing is of little advantage since there is no water for 900-1100' and the San Andres is known to be fractured or creviced. 8-5/8" casing will be set below uppermost Yesso porosity. If commercial pay is encountered, will set 5 1/2" or 4 1/2" casing, perforate & stimulate as needed for production.

Mud Program: F.W. Gel & LCM to 1550', fresh water to 4000', KCL water to 7000', flosal-driskpak-KCL mud to TD; MW 8.9-9.1, Vis 34-39, WL 12-7, FC 1/32.

BOP Program: BOP's on 8-5/8" casing, tested daily. Will yellow jacket prior to drilling into Wolfcamp.

GAS not committed.

IF 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

TITLE

Engineer

DATE

10-14-76

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

ACTING DIRECTOR

THIS APPROVAL IS REQUIRED IF OPERATIONS  
ARE NOT TO BE CONTINUED FOR 6 MONTHS.  
APPROVAL DATE  
10-17-1977  
TITLE

DECLARED WATER BASIN

\*See Instructions On Reverse Side