

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-005-60872

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

3. ADDRESS OF OPERATOR

207 S. 4th Street, Artesia, New Mexico 88210

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

At surface

2310' FSL & 1830' FWL

At proposed prod. zone

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

Approximately 8 miles E of Hagerman, New Mexico

15. DISTANCE FROM PROPOSED*

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

810'

16. NO. OF ACRES IN LEASE

± 480

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

Approx. 8300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3505 GL

22. APPROX. DATE WORK WILL START

As soon after approval

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# J-55	approx. 300'	150 sx. circulate
12 1/4"	8 5/8"	24# J-55	approx. 1625'	450 sx. circulate
7 7/8"	5 1/2" or 4 1/2"	15.5-17# K-55 or 10.5-11.6#	T.D.	250 sx.

Propose to drill and test the Mississippian and intermediate horizons. Approx. 300' of surface casing will be run and cement circulated to shut off gravel and caving. Intermediate casing will be set 100' below the Artesian Water Zone and cemented to the surface. If commercial pay is encountered, we will run 5 1/2" or 4 1/2" casing and cement with 600' of cover, perforate and stimulate as needed.

MUD PROGRAM: F.W. Gel and LCM to 1625', fresh water to 4000', KCL water to 6600', starch-driskpak KCL to 7400', flosal-driskpak-KCL mud to T.D.; MW 8.9 - 9.0, Vis. 34 - 39, WL 10 - 7.

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

GAS 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

Geographer

DATE 1-20-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FEB 18 1981