

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Copy to 47  
30-015-22908

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  
990' FNL & 990' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
11.5 miles NE of Carlsbad, New Mexico

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.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3274 GL

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# K-55	Approx 600'	Circulate
12 1/4"	8 5/8"	32# K-55	Approx 3000'	Circulate
7 7/8"	5 1/2 or 4 1/2"	17-20# N-80 11.6# - 13.5# N-80	TD	250 sacks

Proposed to drill to 11,750' and test the Morrow and intermediate horizons. Approx 600' of surface casing and 3000' of intermediate casing will be set and cemented to the surface. If commercial pay is encountered, will run 5 1/2 or 4 1/2" casing, cement w/min of 600' cover, perforate and stimulate as needed for production. Non-standard location on NMOCC docket, Case #6424. *order - 5930*

MUD PROGRAM: FW gel and LCM to 3000', water to 8700', brine to 10500', flosal-driskpak-brine mud to TD.

BOP PROGRAM: BOP's & hydril on 8 5/8" casing tested, pipe rams daily, blinds on trips. Will YellowJacket prior to drilling Wolfcamp formation.

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 *Eddie M. Halyard* TITLE Engineer DATE 1/29/79

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE 4-24-79

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY: