

AMOCG COPY

Form 9-331C  
(May 1963)

SUBMIT IN 1 LOCATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Copy to St  
30-015-21017

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 South 4th Street, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1980' FSL & 660' FWL of Sec 29-20S-28E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approx 5 1/2 miles north of Carlsbad, N.M.

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)  
660'

16. NO. OF ACRES IN LEASE  
40

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.  
11500'

19. PROPOSED DEPTH  
11500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3239' GR

22. APPROX. DATE WORK WILL START\*  
ASAP

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 J-55	48# New	Approx 610'	600 sx - Circulate
12 1/4 - 11	8 5/8 J-55	24-32# New	Approx 2850'	1400 sx - Circulate
7 7/8	5 1/2" N-80	17-20# New	Approx 11500'	300 sx
	or 4 1/2" K&N	10.5-11.6# New		

Propose to re-drill old hole and set 13 3/8" surface casing, drill new hole and set intermediate casing at top of Delaware circulate cement, then drill and test the Morrow and intermediate horizons. If commercial will run 5 1/2" or 4 1/2" casing, cement, perforate and stimulate as needed for production.

Mud Program: F.W. Gel and LCM to 2850', fresh water and native mud to 8400', brine w/starch and drispak to 10200', flosal-drispak-brine to TD, MW 9.7 vis 36-42

BOP Program: Hydril & BOP on 8 5/8" casing and tested, rotating head bowl on @ 8400' yellow jacket prior to drilling WC.

Gas not dedicated. NSLR-5697

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 Eddley TITLE Engineer DATE 3/14/78

PERMIT NO. Verbal APPROVAL DATE 4-10-78

APPROVED BY Lee D. Lara TITLE ACTING DISTRICT ENGINEER DATE APR 17 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RECORDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES JUL 17 1978  
\*See Instructions On Reverse Side  
Part 2  
ED-1 + 6001  
RE-ENTRY  
4/21/78