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SUBMIT IN 7 LOCATE*
(Other instructions on
reverse side)

Form approved,
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22377

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

1b. 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 State requirements)
1980' FNL and 1980' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 5.8 miles south of Artesia, N.M.

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any) 1980'

16. ARTESIAN OFFICE
556.26

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DEEPENING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT. Approx. 2950'

19. PROPOSED DEPTH 8800'

11. ELEVATIONS (Show whether DE, RT, GR, etc.)
3417' GR

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
As Soon As Approved.

5. LEASE DESIGNATION AND SERIAL NO.
NM 054434-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Yates 6 Federal

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
E. Eagle Creek Atoka Morrow

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 6-T18S-R26E

12. COUNTY OR PARISH
Eddy

13. STATE
N.Mex.

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" New	48# J-55	Approx. 420'	300 sx - Circulate
12 1/4 - 11"	8 5/8" New	24# J-55	Approx. 1230'	600 sx - Circulate
7 7/8"	5 1/2" or	15.5-17# K-55	TD	300 sx
	4 1/2" New	10.5-11.6# K-55		

We propose to drill & test the Morrow and intermediate formations. Approximately 420' of surface casing will be set to shut off gravel and cavings, and intermediate casing will be set 100' below the base of the Artesian water zone. Both strings will be circulated. 5 1/2" or 4 1/2" production casing will be run and cemented with about 1000' of cement cover.

Mud Program: FW gel & LCM to 1200', water to 7600' (KCl added @ 4200'), Flosal-Drispak-KCl mud to TD, mw 8.9 - 9.1, vis 35-40, w/ 12-7.

BOP Program: BOP's and hydril on 8 5/8" casing, tested daily, yellow jacket prior to drilling the Wolfcamp formation, also fluid level & flow sensor equipment.

Gas Not Dedicated.

RECEIVED

NOV 7 1977

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 depths. Give blowout preventer program, if any.

24. *Eddie M. Mahfood*
SIGNED Eddie M. Mahfood TITLE Engineer DATE 11/7/77
(This space for Federal or State office use)

PERMIT NO. *11-15-77*
APPROVAL DATE 11-15-77

APPROVED BY *Joe J. Lora* TITLE ACTING DISTRICT ENGINEER DATE DEC 9 - 1977
(CONDITIONS OF APPROVAL, IF ANY)

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 16: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.