

N. M. O. C. C. COPY

SUBMIT IN "PLICATE"  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-21172

## 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, NM 88210

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

At surface

330' FEL &amp; 990' FNL of Sec. 31-17S-25E

At proposed prod. zone

## 5. LEASE DESIGNATION AND SERIAL NO.

NM 15664

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Federal "DI"

## 9. WELL NO.

1

## 10. FIELD AND POOL, OR WILDCAT

Eagle Creek S.A.

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREASec. 31-17S-25E  
Unit A

## 12. COUNTY OR PARISH

Eddy

## 13. STATE

NM

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

Approx. 8 miles SW of Artesia, NM

APR 16 1974

## 15. DISTANCE FROM PROPOSED\*

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

330

## 16. NO. OF ACRES IN LEASE

O. C. C.

ARTESIA, OFFICE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

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

## 19. PROPOSED DEPTH

Approx. 1850'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3617' GR

## 22. APPROX. DATE WORK WILL START\*

As soon as approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING  | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------|-----------------|---------------|--------------------|
| 9-7/8"       | 7"              | 20 & 23#        | 1000'         | 400 sx - circulate |
| 6 1/2"       | 4 1/2" & 5 1/2" | 9.5 & 15.5#     | 1850'         | 200 sx             |

It is our intention to drill 9-7/8" hole to 100' below the Artesian zone, a San Andres test, set 7" casing and circulate the cement. If lost circulation is encountered while drilling the surface hole, we will ream approx. 200' to 15" and run 10-3/4" casing and circulate the cement. A 4 1/2" & 5 1/2" tapered string of production casing will be run and we will perforate and Sand Frac for completion.

Mud Program: Fresh water gel & LCM to 1000'. Water to total depth.

BOP Program: BOP's will be installed on 7" casing and tested daily.

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 location and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*Eddie L. Bickman*

TITLE

Engineer

DATE

4-3-74

(This space for Federal or State office use)

## PERMIT NO.

## APPROVAL DATE

## DECLARED WATER BASIN

## APPROVED BY

## APPROVED BY

## TITLE

## C. MENT BEHIND THE

## CASING MUST BE CIRCULATED

J. L. BICKMAN  
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES JUL 15 1974

See Instructions On Reverse Side

NOTIFY USGS IN SUFFICIENT TIME TO  
CEMENTING THE 7" CASING