

Form 100-100
(May 1966)

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SUBMIT IF DUPLICATE*
(Other Instructions on reverse side)

Copy to SF

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 30 1976

30-015-21973

U.S. GEOLOGICAL SURVEY
ARRESTA, NEW MEXICO

PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

NOV 17 1976

☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

O. C. C.

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

207 South Fourth Street, Artesia, NM 88210

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

At surface

1930' FSL & 2080' FEL of Section 11-21S-21E

At proposed prod. zone

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

32 miles West of Carlsbad, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

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.

19. PROPOSED DEPTH

8350'

20. ROTARY OR CABLE TOOLS

Rotary

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

4556' GR

22. APPROX. DATE WORK WILL START*

November 3, 1976

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# H-40	Approx. 300'	Circulate
12 1/4"	7-7/8"	24# K-55	Approx. 1500'	Circulate
7-7/8"	5 1/2" or 4 1/2"	15.5-17# or 10.5-11.6#	TD	200-300 sacks

Propose to drill & test the Morrow and intermediate horizons. Surface casing is of little advantage since there is no water for 900-1100' and the San Andres is known to be fractured or creviced. 8-5/8" casing will be set below uppermost Yeso porosity. If commercial pay is encountered, will set 5 1/2" or 4 1/2" casing, perforate & stimulate as needed for production.

Mud Program: F.W. Gel & LCM to 1500', fresh water to 4000', KCL water to 7000', Flosal-Drispak-KCL mud to TD; MW 8.9-9.1, Vis 34-39, WL 12-7, FC 1/32.

BOP Program: BOP's on 8-5/8" casing, tested daily. Will Yellow Jacket prior to drilling Wolfcamp.

Gas Not Committed.

IN SHORT STATE CONCERNING 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. [Signature]

TITLE

Engineer

DATE

9-30-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

1976

REASONS OF APPROVAL, IF ANY:

TITLE

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.

DECLARED WATER BASIN

NOTIFY STATE IN SUFFICIENT TIME TO WITHHELD COMMENCING THE

FEB 15 1977

See Instructions On Reverse Side

CASING MUST BE CIRCULATED

CASING.