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5A. Indicate Type of Lease  
STATE ☐ FEE ☒

5. State Oil &amp; Gas Lease No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐

7. Unit Agreement Name

8. Farm or Lease Name

Doyal

9. Well No.

1

10. Field and Pool, or Wildcat

SE Chaves Queen

17. County

Chaves

c. Name of Operator

Yates Drilling Co.

d. Address of Operator

207 S. 4th, Artesia, New Mexico 88210

e. Location of Well

UNIT LETTER A LOCATED 660 FEET FROM THE North LINE

ND 990 FEET FROM THE East LINE OF SEC. 34 TWP. 12S RGE. 31E NMPM

18. Proposed Depth

3100'

19A. Formation

Queen

20. Rotary or C.T.

Rotary

1. Elevation, (how whether D.R., K.I., etc.)

4428' GL

21A. Kind &amp; Status Plug. Bond

Blanket

21B. Drilling Contractor

L&amp;M

22. Approx. Date Work will start

ASAP

3.

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT                 | EST. TOP |
|--------------|----------------|-----------------|---------------|---------------------------------|----------|
| 12 1/2"      | 8 5/8"         | 24# J-55        | 400'          | 300 sx circ                     |          |
| 7 7/8"       | 4 1/2"         | 9.5# J-55       | TD            | 200 sx/tie back to base of salt |          |

We propose to drill and test the Queen and intermediate formations. Approximately 400' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 7" intermediate casing will be run to 1900' and cemented with enough cement calculated to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed.

MUD PROGRAM: FW 400', 10# Brine to TD. Mud up w/SW gel to log. LCM if needed.

BOP PROGRAM: BOP's will be installed after setting the 8 5/8" casing and tested daily.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

signed Eddie W. Seay Title Regulatory Agent Date 7/24/84

(This space for State Use)

Eddie W. Seay

APPROVED BY Oil & Gas Inspector

TITLE

DATE

JUL 26 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 120 DAYS  
PERMIT EXPIRES 10-26-84  
UNLESS DRILLING UNDERWAY

RECEIVED

JUL 26 1984

D.C.D.  
HOMES OFFICE