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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease

STATE ☒ FEE ☐

5. State Oil &amp; Gas Lease No.

LG-3345

## 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 ☐

c. Name of Operator

Yates Petroleum Corporation

d. Address of Operator

105 South Fourth Street - Artesia, New Mexico 88210

e. Location of Well

UNIT LETTER M LOCATED 330 FEET FROM THE South LINE

RD 990 FEET FROM THE West LINE OF SEC. 1 TWP. 17S RGE. 33E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Hoover ADR State

9. Well No.

6

10. Field and Pool, or Wildcat

Sanmal - Queen

12. County

Lea

f. Elevations (Show whether DT, KT, etc.)

4148.7' GR

21A. Kind &amp; Status Plug. Bond

Blanket

19. Proposed Depth

3900'

19A. Formation

Queen

20. Rotary or C.T.

Rotary

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
12-1/4"	8-5/8"	24# J-55	Approx. 1550'	1000 sacks	Circulate
7-7/8"	5-1/2"	14# J-55	TD	300 sacks	Adequate cover

We propose to drill and test the Queen formation and intermediate zones. Approximately 1550' of surface casing will be set with cement circulated to surface to shut off gravel and cavings. If productive, 5-1/2" casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: Native mud to 1550', brine water to TD.

BOP PROGRAM: BOP's will be installed at the offset and tested daily.

Cement must tie back  
into 8 3/8 casing

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.

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

Signed Cliff R. May Title Regulatory Agent Date June 9, 1987

(This space for State Use)

Orig. Signed by  
Paul Kautz  
Geologist

PROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

JUN 15 1987

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

RECEIVED

JUN 12 1987

OCD  
HOBBS OFFICE

100-1-100

100-1-100  
100-1-100  
100-1-100