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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE FCC

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Doyal

9. Well No.
4

10. Field and Pool, or Wildcat
SE Chaves Queen

12. County
Chaves

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well
DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

Name of Operator
Yates Drilling Company

Address of Operator
207 South 4th Street, Artesia, New Mexico 88210

Location of Well
UNIT LETTER M LOCATED 330 FEET FROM THE South LINE
330 FEET FROM THE West LINE OF SEC. 26 TWP. 12S RGE. 31E NMPM



19. Proposed Depth 3100'

19A. Formation Queen

20. Rotary or C.T. Rotary

Elevations (Show whether DF, KI, etc.) 4425' GL

21A. Kind & Status Plug. Bond Blanket

21B. Drilling Contractor L&M

22. Approx. Date Work will start ASAP

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"	5 1/2"	14# J-55	TD	850 sx/tie back to surface csg.	

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.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5/16/85
UNLESS DRILLING UNDERWAY

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

Operator certifies that the information above is true and complete to the best of my knowledge and belief.

By Glenn Rodriguez Title Regulatory Agent Date 11/14/84
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE NOV 16 1984