

N. M. O. C. C. COMMIT IN "PLICATE"
(Other Instr. on reverse side)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30-015-21491

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 Drilling Company

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
 1980' FSL & 1980' FEL of Section 18-21S-27E
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 3 miles north of Carlsbad, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1980'

16. NO. OF ACRES IN LEASE
 400

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
 11700 (Approx)

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3200' 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
17 1/2"	13-3/8"	48#	Approx 600'	Circulate
12 1/2"	9-5/8 or 8-5/8"	36# J-55	" 2700'	Circulate
7-7/8"	4 1/2"	11.6&13.5# N-80	" 11700'TD	300 sacks

RECEIVED
MAR 3 1975

Propose to drill a 11700' Morrow test.

Mud Program: - Surface to 2700' - Fresh water, w/hulls and 100 vis FW gel mud slugs if necessary.
 2700' to 8500' - Fresh water
 8500 to 9900' - Brine & Flosal
 9900 to TD - Flosal & Drispak, brine water

BOP Program: - BOP's to be installed on intermediate string. Hydril prior to 8500'. See attached BOP diagram.
 Pipe rams tested daily; blind rams on trips. BOP's Yellow jacketed prior to drilling Wolfcamp.

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

24. SIGNED [Signature] TITLE Engineer DATE 2-18-75

(This space for Federal or State office use)

PERMIT NO. _____ SUBJECT TO ATTACHED DEEP WELL CONTROL REQUIREMENTS DATED JUN 22 1973 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
 THIS APPROVAL IS VALID FOR 3 MONTHS IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
 EXPIRES MAY 27 1975

*See Instructions On Reverse Side

NOTIFY USGE WITH SUFFICIENT TIME TO WITHNESS CEMENTING THE CASING. 9/8/75