

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYRECEIVED  
JAN 30 1984  
FEB 06 1984

30-005-20942

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-15896	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Yates Drilling Co.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 207 S. 4th, Artesia, New Mexico 88210		8. FARM OR LEASE NAME DeLuna Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980' FSL and 1650' FWL At proposed prod. zone same		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles north of Maljamar, New Mexico		10. FIELD AND POOL, OR WILDCAT Undes. Queen	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34-T12S-R31E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1650'		12. COUNTY OR PARISH Chaves	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4233' GL		13. STATE NM	
16. NO. OF ACRES IN LEASE 560		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. PROPOSED DEPTH appr. 2900'		20. ROTARY OR CABLE TOOLS Rotary	
22. APPROX. DATE WORK WILL START* ASAP			

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24#	appr. 360'	250 sx circulated
7 7/8"	4 1/2"	9.5#	TD	200 sx

We propose to drill and test the Queen and intermediate formations. Approximately 360' 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 for production.

MUD PROGRAM: FW 360', 10# Brine to TD. Mud up w/SW gel to log. LCM needed.

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

GAS NOT DEDICATED.

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 Glenn Kolby TITLE Regulatory Agent DATE 1/30/84  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY 'Orig. Sgd.' Earl R. Cunningham  
CONDITIONS OF APPROVAL, IF ANY:

TITLE District Manager

DATE FEB 02 1984  
APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

RECEIVED

FEB 13 1984

C.C.D.  
HOBBS OFFICE