

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

2. NAME OF OPERATOR  
 HNG OIL COMPANY

3. ADDRESS OF OPERATOR  
 P. O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 660' FWL & 1980' FSL  
 At proposed prod. zone 660' FWL & 1980' FSL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 25 miles west from Jal

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660'  
 (Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION\* 990' south of #1 TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. well producing in Morrow

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3421.0' GR

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 21511 1986/

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Madera 33 Federal Com.

9. WELL NO.  
 3

10. FIELD AND POOL, OR WILDCAT  
 Pitchfork Ranch /Atoka/

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 33, T24S, R34E

12. COUNTY OR PARISH  
 Lea

13. STATE  
 NM

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

19. PROPOSED DEPTH  
 14,100'

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 When permitted

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15-1/4"	11-3/4"	42#	600	415 sacks circulated
10-5/8"	8-5/8"	24#	5200	1575 sacks circulated
7-7/8"	5-1/2"	17#	13250	1210 sacks
4-3/4"	3-1/2" Liner	10.5#	14100	175 sacks

BOP - Install at 5200' w/3000# cap. and 2450# annular preventor. At 13,250' increase to 10,000# cap. w/5000# annular preventor. Will use standard surface-controlled BOP installation.

Gas is dedicated.

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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 Betty Gildon Betty Gildon TITLE Regulatory Analyst DATE 12/30/86

(This space for Federal or State office use)

PERMIT NO. Orig 801 Charles S. [unclear] APPROVAL DATE \_\_\_\_\_

APPROVED BY [unclear] Area Manager TITLE \_\_\_\_\_ DATE 1-8-87

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side