

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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  
 Robert N. Enfield

3. ADDRESS OF OPERATOR  
 P. O. Box 2431, Santa Fe, New Mexico 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 660 FNL & 1980 FLW, Sec. 30, T-18-S, R-33-E  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 Miles Southeast of Maljamar

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

16. NO. OF ACRES IN LEASE 2470.16

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. 2640'

19. PROPOSED DEPTH 13,800'

20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3784.4 GL

22. APPROX. DATE WORK WILL START\*  
 July 15, 1976

5. LEASE DESIGNATION AND SERIAL NO.  
 LC-069276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Hudson Federal

9. WELL NO.  
 2

10. FIELD AND POOL OR WILDCAT  
 UNDESIGNATED  
 Corbin Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA (ND)  
 Sec. 30, T18S, R33E

12. COUNTY OR PARISH  
 Lea

13. STATE  
 N. M.

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#	500 *	Circ. to surface
12 1/2	9-5/8	36#, 43.5#, 47#	6,000	400 sx
8 1/2	5-1/2	17# & 20#	13,800	500 sx

\* See attached

Rotary tools will be used to drill the above hole sizes. Horizons to be tested are the Wolfcamp, Strawn and Morrow. All shows will be drillstem tested. A compensated Neutron-Formation Density log and Dual Induction Laterolog will be run. Mud will be used as the circulating fluid. The pay section will be perforated, acidized and fraced. Series 1500 blowout preventer as shown on the attachment will be used.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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 Robert N. Enfield TITLE Operator DATE 6/14/76  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

APPROVED  
AS AMENDED  
JUL 12 1976  
ARTHUR R. BROWN  
DISTRICT ENGINEER

RECEIVED

JUL 13 1976

OIL CONSERVATION COMM.  
DORRIS, N. M.