

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-225-27395

5. LEASE DESIGNATION AND SERIAL NO.  
~~NEEDS~~ NM-13644-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Featherstone Federal

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Featherstone Federal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 21 T20S - R35E

12. COUNTY OR PARISH  
Lea

13. STATE  
New Mexico

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

RECEIVED

APR 23 1981

2. NAME OF OPERATOR  
THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR  
P. O. Box 4500 The Woodlands, Texas 77380

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
At surface 1980 FNL & 1980 FEL Sec. 21, 20S, 35E  
U.S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

At proposed prod. zone  
Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

20 miles Northwest from Eunice New, Mexico

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  
160

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. First Well

19. PROPOSED DEPTH  
14,000

20. ROTARY OR CABLE TOOLS  
Rotary

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

3716 GR

22. APPROX. DATE WORK WILL START\*  
April 30, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	T.O.C.
Rat Hole	20"	94.0	40'	Redi-Mix CIRCULATE	Surfac
17-1/2"	13-3/8"	54.5	600'	500 SXS CIRCULATE	Surfac
12-1/4"	9-5/8"	36 & 43.5	5,300'	1275 SXS CIRCULATE	Surfac
8-1/2"	5-1/2"	20.0	13,800'	700 SXS	10,500

Mud Program - See Exhibit A

BOP Program - See Exhibit B

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.

SIGNED G. Bannantine TITLE Regulatory Group Mgr. DATE April 13, 1981

(This space for Federal or State office use)

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

APPROVED BY GEORGE H. STEWART TITLE \_\_\_\_\_ DATE \_\_\_\_\_

FOR JAMES A. GILLHAM  
DISTRICT SUPERVISOR

APR 21 1981