

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

COPY TO O.C.

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## D. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Tenneco Oil Company

## 3. ADDRESS OF OPERATOR

1860 Lincoln St., Suite 1200, Denver, Colorado 80203

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1650' FSL and 990' FEL of Sec. 13, T26S, R37E

At proposed prod. zone

## 5. LEASE DESIGNATION AND SERIAL NO.

NM-7951

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Leonard Bros.

## 9. WELL NO.

2

## 10. FIELD AND POOL, OR WILDCAT

Leonard Bros., South

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 13, T26S, R37E

## 12. COUNTY OR PARISH

Lea

## 13. STATE

New Mexico

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

3.5 miles South and 3.5 East of Jal, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 16. NO. OF ACRES IN LEASE

2520

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

3900'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

2998.2 GL

## 22. APPROX. DATE WORK WILL START\*

Upon Approval

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                      |
|--------------|----------------|-----------------|---------------|---|
| 12-1/4"      | 8-5/8"         | 24#             | 500' ±        | Sufficient to circulate                 |
| 7-7/8"       | 5-1/2"         | 15.5#           | 3900' ±       | Sufficient cement to bring TOC to 2998' |

SEE ATTACHED SLIPS

Propose to drill 12-1/4" hole to 500'±; set 8-5/8" OD surface csg. and cement to surface. Drill 7-7/8" hole to approximately 3900' TD, log well, and set 5-1/2" production csg, if productive, with stage collar @ 1200'. We will circulate cement from stage collar to surface csg. to cover Anhydrite. Will stimulate as necessary to establish commercial production. If non-productive, we will P & A as per your requirements, erect dry hole marker, and restore surface. We will WOC for 8 hours.

Approximately 5 days will be required to drill this well.

Casinghead gas is not dedicated.

Expiry 4-18-77

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

*A. D. Meyer*

TITLE

Div. Production Manager

DATE

11-9-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

JAN 18 1977

BERNARD MOROZ

ZONING DISTRICT ENGINEER

\*See Instructions On Reverse Side