

AMENDED

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

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

2510' FSL and 790' FEL

At proposed prod. zone

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

## 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

320.00

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

E/320.00

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

## 19. PROPOSED DEPTH

6150'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6407' 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#/ft.	+ 600'	Suff. to circulate to surface Cement in two stages.
7-7/8"	5-1/2"	15.5#/ft.	+ 6150'	

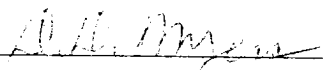
Plan to drill well as follows:

1. Drill 12-1/4" hole to  $\pm$  600'.
2. Set and cement 8-5/8" casing to  $\pm$  600' & cement w/sufficient cement to circulate back to surface.
3. Install BPO and test both sets of rams to 1000 psi. for 15 min.
4. Drill 7-7/8" hole to T. D.
5. Set 5-1/2" csg. to T. D. Cement in two stages.
  - a. Cement across Gallup with enough to come out above Gallup.
  - b. Sufficient to cement back to surface casing.
6. This well to be completed through casing perforations and stimulated as necessary to establish commercial production.
7. Clean up area.

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



TITLE

Div. Production Manager

DATE

9/8/76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.

SEP 16 1976

RECEIVED  
DATE