

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

JUN 12 1980

30-015-23370

## 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

6800 Park Ten Blvd., Suite 200 N., San Antonio, TX 78212

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

At surface 990 FSL, 1980 FEL, Sec 23, T21S, R25E

At proposed prod. zone

Same As Above

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

7.5 miles NW of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

990'

## 18. DISTANCE FROM PROPOSED\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

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

3331' GR

## 23. 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#	350+	Cement is to circulate
11"	8-5/8"	32#	1900+	Cement is to circulate
7-7/8"	5-1/2"	15.5# & 17#	+11,100 (PTD)	1000' above the shallowest probable productive zone.

1. Set 40' of 20" conductor pipe. Cement with Redimix.
2. Drill 17-1/2" hole to 350'-. Cement 13-3/8" casing w/cement circulated to surface. Nipple up 10" 3000# WP BOPS.
3. Drill 11" hole to 1900'+. Cement 8-5/8" casing w/cement circulated to surface to isolate lost circulation zones in the Delaware Section.
4. Nipple up 10" 3000# WP BOPS. Test ram type BOP to 3000 psi. Test annular BOP and 8-5/8" csg to 1500 psi. Function test BOPs daily and on all trips.
5. Drill 7-7/8" hole to 11,100' TD, log and test as necessary. Run 5-1/2" csg if productive.
6. Perforate and stimulate as necessary. Gas to be produced is dedicated. See attached Exhibits.

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

*Theodore K. Armit*

TITLE Division Drilling Engineer

DATE 3/24/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

6-11-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: