

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

P. O. Box 1714, Durango, Colorado

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

At surface

1850' F/EL, 790' F/NL, Sec. 18-T-26-N, R-5-W

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. line, if any)

790

## 16. NO. OF ACRES IN LEASE

2,558.36

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.

## 19. PROPOSED DEPTH

7665

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6678 GL

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

## 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              | 450'          | 175 Sks.                                                                 |
| 7-7/8"       | 5-1/2          | 14              | 6000'         | 2-Stage, 50' Below                                                       |
| 7-7/8"       | 5-1/2          | 15.5            | 1665'         | 1st-Stage, 190 sks.                                                      |
|              |                |                 |               | 2nd-Stage, Sufficient Cement<br>To Cover Mesaverde and<br>Picture Cliff. |
|              | 2-3/8 EUE      | 4.70            | 7500'         | Tubing                                                                   |

We propose to drill with rotary tools to approximately 7665' set casing, perforate and sand-water frac. for Dakota completion.

Note: Amended Intention to Correct Location.



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

J. H. Watkins

TITLE Dist. Office Supervisor

DATE

10-20-64

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date October 19, 1964

Operator TENNECO OIL COMPANY Lease Jicarilla (Cont. 110)  
 Well No. A-2 Unit Letter B Section 18 Township 26 North Range 5 West NMFM  
 Located 790' Feet From North Line, 1850 Feet From East Line  
 County Rio Arriba G. L. Elevation 6678 ungraded Dedicated Acreage 320 - 80 Acres  
 Name of Producing Formation Blanco-Tocito-Basin Dakota Pool

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes \_\_\_\_\_ No X
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communization agreement or otherwise? Yes X No \_\_\_\_\_. If answer is "yes", Type of Consolidation.  
Operating Agreement
3. If the answer to question two is "no", list all the owners and their respective interests below:

OwnerLand Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Tenneco Oil Company

(Operator)

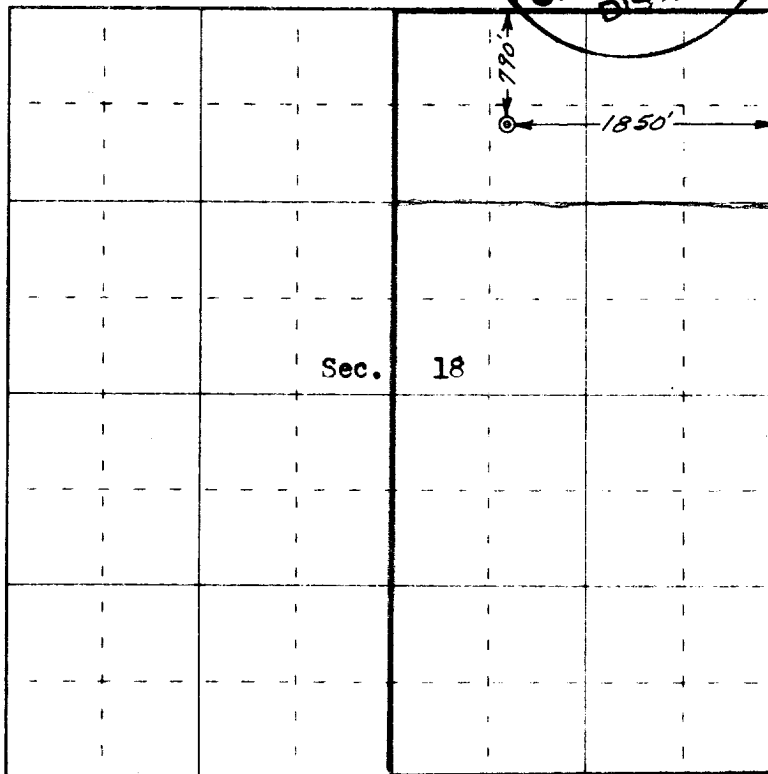
(Representative) J. H. Watkins

P. O. Box 1714

(Address)

Durango, Colorado

Note: All distances must be from outer corners of section.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 14 October 1964

Robert H. Ernst  
 Registered Professional Engineer and/or Land Surveyor  
 Robert H. Ernst, N. Mex. PE & LS 2463

ERNST ENGINEERING CO.  
 Durango, Colorado