

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 81301

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

At surface

1650' FSL, 990' FEL

At proposed prod. zone

Unit I

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

## 5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Cont. 108

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Dulce, N. M.

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME

Jicarilla "C"

## 9. WELL NO.

No. 3

## 10. FIELD AND POOL, OR WILDCAT

Undesig.

Gallup &amp; Basin Dakota

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

Sec. 23, T26N, R5W

## 12. COUNTY OR PARISH

Rio Arriba

## 13. STATE

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

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

8/2

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

## 19. PROPOSED DEPTH

7600

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6574 GR

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

June 10, 1966

## 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'          | 250 sx, cement to surface   |
| 7-7/8"       | 5-1/2"         | 15.5 & 14#      | 7600'         | 1st stage 235 sx            |
|              |                |                 |               | 2nd stage cement to surface |

We propose to rig up drill w/Rotary to approximate T.D. 7600'. Set casing as shown above with stage collar set approximately 300' below bottom of Mesaverde. Run IES and GR-Density log. Perforate and frac both Basin Dakota and Undesignated Gallup zones and complete as a dual gas well. Run dual string of 2-1/16" tubing and conduct deliverability and packer leakage tests.

Note: In the event the Gallup zone is not commercial, a string of 4-1/2" 10.5# and 11.6# casing and 2-3/8" EUE tubing will replace the 5-1/2" casing and 2-1/16" tubing.

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. Original Signed By  
HAROLD C. NICHOLS

SIGNED

TITLE Senior Production Clerk

DATE 6/7/66

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE SUPERVISOR DIST. #3

## Distribution:

- 5 - USGS, Farmington
- 1 - Atlantic
- 1 - Continental
- 1 - TOC

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

## 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 ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

|                                        |                      |                        |                           |                             |                       |
|----------------------------------------|----------------------|------------------------|---------------------------|-----------------------------|-----------------------|
| Operator<br><b>TENNECO OIL COMPANY</b> |                      |                        | Lease<br><b>JICARILLA</b> |                             | Well No<br><b>C-3</b> |
| Unit Letter<br><b>I</b>                | Section<br><b>23</b> | Township<br><b>26N</b> | Range<br><b>5W</b>        | County<br><b>Rio Arriba</b> |                       |

Actual Footage Location of Well:

**1650** feet from the **south** line and **990** feet from the **east** line

|                                             |                                                         |                                                   |                                        |
|---------------------------------------------|---------------------------------------------------------|---------------------------------------------------|----------------------------------------|
| Ground Level Elev.<br><b>6574' ungraded</b> | Producing Formation<br><b>Gallup &amp; Basin Dakota</b> | Pool<br><b>Undesig. Gallup &amp; Basin Dakota</b> | Dedicated Acreage:<br><b>320</b> Acres |
|---------------------------------------------|---------------------------------------------------------|---------------------------------------------------|----------------------------------------|

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

( ) Yes ( ) No If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Harold C. Nichols*

Name

**Harold C. Nichols**

Position

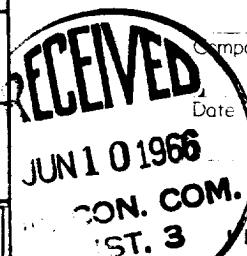
**Senior Production Clerk**

Company

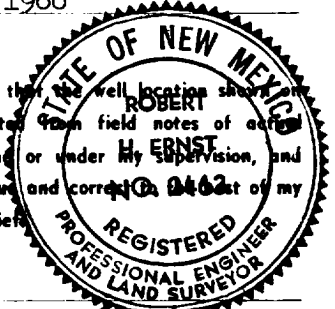
**Tenneco Oil Company**

Date

**June 7, 1966**



I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed

*Robert H. Ernst*  
Registered Professional Engineer  
and/or Land Surveyor

**Robert H. Ernst**

**N. Mex. P.E. & L.S. 2462**  
Certificate No.

