

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

1650' FNL, 990' FEL

Unit H

At proposed prod. zone

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

320

E/2

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

19. PROPOSED DEPTH

7540

20. ROTARY OR CABLE TOOLS

Rotary

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

6555' GR

22. APPROX. DATE WORK WILL START*

May 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'	225 sacks
7-7/8"	5-1/2"	15.5#	7540'	1st stage - 235 sacks
				2nd stage - sufficient to circulate to surface.

We propose to rig up, drill with Rotary to approximate TD 7540'. Set casing with stage collar set approximately 300' below bottom of Mesaverde. WOC. Run IES and GR Density Logs. Perforate and frac both Basin Dakota and Gallup gas 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 event Gallup zone not commercial, a string of 4-1/2" 10.5# and 11.6# casing will be substituted for the 2-1/16" casing and 2-3/8" tubing will replace the 2-1/16".

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

Harold C. Nichols
Harold C. Nichols

TITLE Senior Production Clerk

DATE May 9, 1966

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Company **TENNECO OIL COMPANY** Locality **JICARILLA "B"**
 Section **H 21** Township **26 North** Range **5 West** County **Rio Arriba**
 Actual Footage Location of Well **1650** feet from the **North** boundary **990** feet from the **East** boundary
 Ground Level Elev. **6555' ungraded** Producing Formation **Undesignated Gallup and Basin Dakota** Oil Interest Acres **320** **E/2**

- Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below
- If more than one lease is related to the well, list the lease number, acreage, owner's name, and the date of the lease, together with working interest and royalty.
- If more than one lease of different ownership is related to the well, have the interests of all owners been consolidated, communitized or otherwise combined, etc?

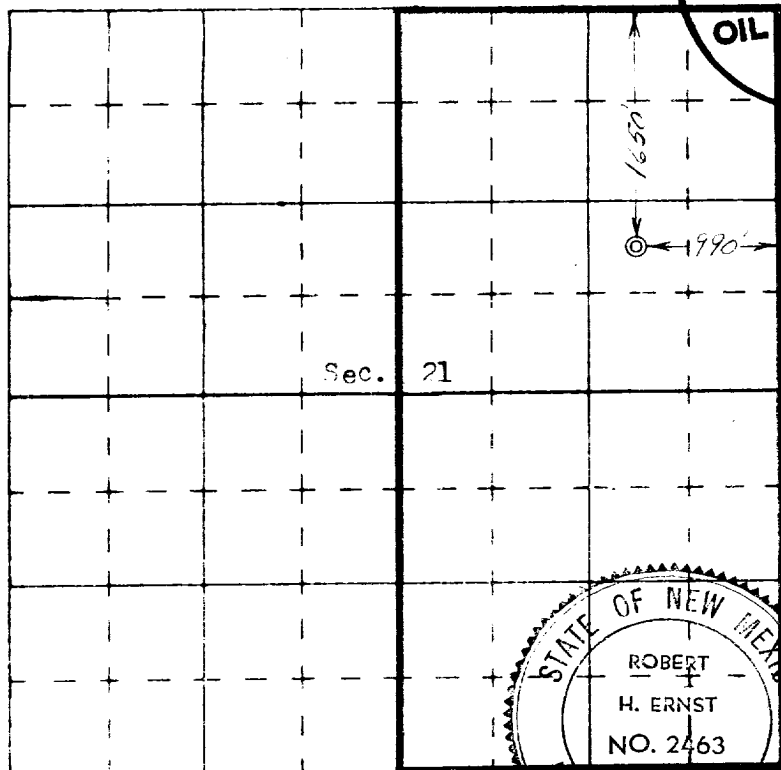
Yes ☐ No ☐ If on well, give type of construction, etc. If no well, give type of construction, etc. If answer is "No" for the owners and tract descriptions which it is actually consolidated, etc. If answer is "No" for the owners and tract descriptions which it is actually consolidated, etc.

No allowable will be assigned to the well until all interests have been consolidated, communitized or otherwise combined, etc. If answer is "No" for the owners and tract descriptions which it is actually consolidated, etc.

RECEIVED

MAY 11 1966

**OIL CON. COM.
DIST. 3**



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 **May 9, 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.

4 April 1966
Robert H. Ernst
 Registered Professional Engineer
 and/or Land Surveyor
Robert H. Ernst
N. Mex. P.E. & L.S. 2463
 Certificate No. _____

**ERNST ENGINEERING CO.
DURANGO, COLORADO**

