

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 171<sup>1/2</sup>, DURANGO, COLORADO 81302

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1190' FSL 660' FEL  
At proposed prod. zone Unit P

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

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

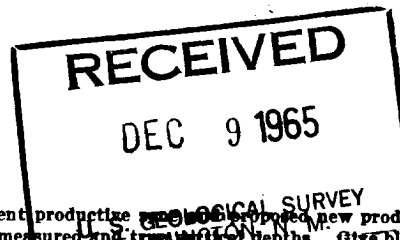
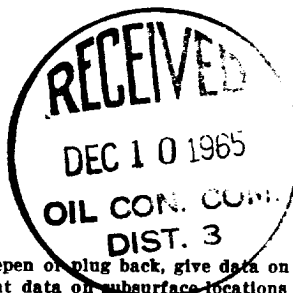
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6703' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4	10 3/4	32.75#	250	150 sx
9 7/8	7 5/8	24#	3100	1st stage 150 sx
6 3/4	4 1/2	11.6# & 10.5#	7600	2nd stage circulate to surface.

1st stage 300 sx  
2nd stage circulate to surface.

We propose to rig up drill to approximate T. D. 7600. Log, run casing shown above with stage collar set approximately 300' below bottom of Mesaverde. Perf and frac and complete as single Dakota. Conduct deliverability tests and run 2-3/8" Tbg.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present 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 TITLE Sr. Production Clerk DATE December 7, 1965  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY gm TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for NSL  
Distribution:  
5 copies to USGS In Farmington  
1 copy to Continental  
1 copy to file

\*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-112  
Supersedes C-128  
Effective 1-1-67

All distances must be from the outer boundaries of the Section.

Operator <b>TENNECO OIL COMPANY</b>			Lease <b>SCHWERTFEDER "A"</b>		Well No. <b>4</b>
Unit Letter <b>P</b>	Section <b>31</b>	Township <b>28 North</b>	Range <b>8 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1190</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6703' ungraded</b>	Producing Formation <b>Basin Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320</b>	<b>E/2</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 been consolidated (Survey reverse side of this form if necessary.) \_\_\_\_\_

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

**RECEIVED**

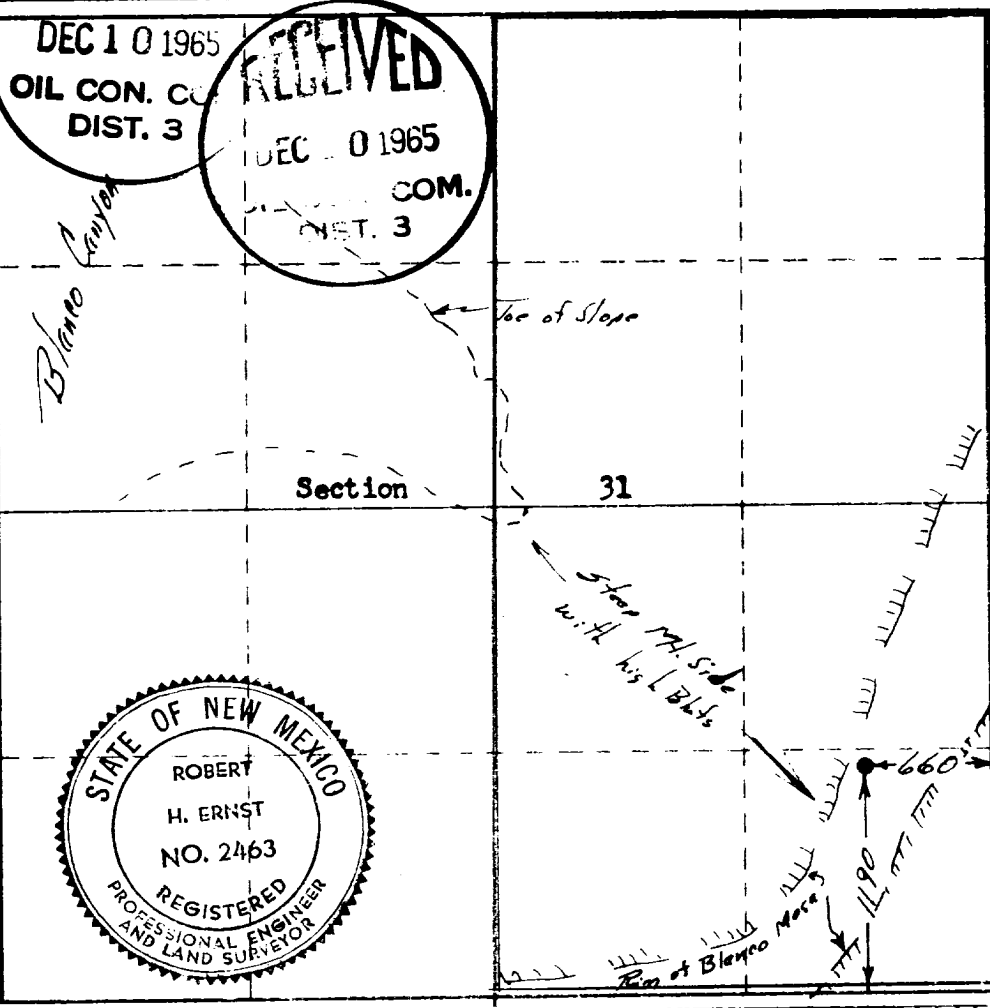
**DEC 9 1965**

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

**RECEIVED**

**DEC 10 1965  
OIL CON. COM.  
DIST. 3**

**RECEIVED  
DEC 10 1965  
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.

Name **Harold C. Nichols**  
Position **Sr. Production Clerk**  
Company **Tenneco Oil Company**  
Date **December 7, 1965**

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 **3 December 1965**  
Registered Professional Engineer and/or Land Surveyor  
**Robert H. Ernst**  
Certificate No. **N. Mex. PE & LS 2463**