

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

API 20-045-22049

LEASE IDENTIFICATION AND SERIAL NO.

NM 23077

100-114-20-5246

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

1860 Lincoln St., Suite 1200, Denver, Colorado 80203

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

At surface

1100' FNL and 1100' FWL

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 drg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

320.00

19. PROPOSED DEPTH

+ 6000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

w/320.00

20. ROTARY OR CABLE TOOLS

Rotary

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

6429' GL

22. APPROX. DATE WORK WILL START*

Upon Approval

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#/ft.	+ 300'	Suff. to circulate to surface
7 7/8"	4 1/2"	10.5#/ft.	+ 6000'	Cement in two stages.

Plan to drill well as follows:

1. Drill 12 1/4" hole to + 300'.
2. Set and cement 8 5/8" casing to + 300' & cement w/sufficient cement to circulate back to surface.
3. Install BOP and test both sets of rams to 1000 psi. for 15 min.
4. Drill 7 7/8" hole to T.D.
5. Set 4 1/2" csg. to T.D. Cement in two stages.
 - a. Cement across Gallup with enough to come out above Gallup.
 - b. Sufficient to cement back to surface casing.
6. This well to be completed through casing perforations and stimulated as necessary to establish commercial production.
7. Clean up area.

Not dedicated

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

D.D. Myers

TITLE

Div. Production Manager

DATE

4-27-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

RECEIVED

APR 30 1976

DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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

*See Instructions On Reverse Side

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

All distances must be from the outer boundaries of the Section

Operator TENNECO OIL COMPANY			Lease CANYON		Well No. 21
Unit Letter D	Section 22	Township 25 NORTH	Range 11 WEST	County SAN JUAN	
Actual Footage Location of Well: 1100 feet from the NORTH line and 1100 feet from the WEST line					
Ground Level Elev. 6429	Producing Formation Basin Dakota	Pool Basin Dakota	Dedicated Acreage 320.00 W/2 Acres		

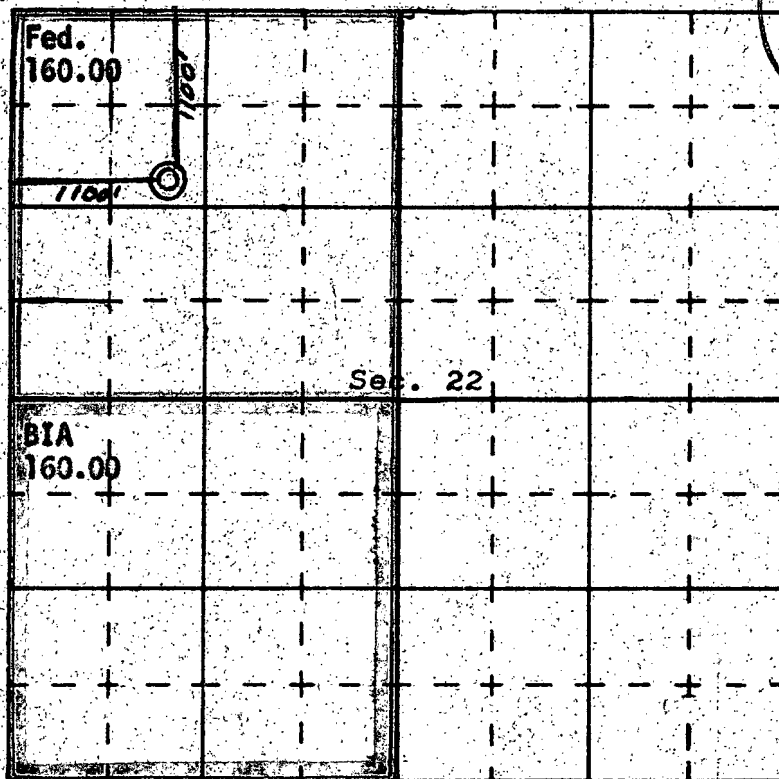
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

(X) Yes () No If answer is "yes," type of consolidation **Communitization in progress**

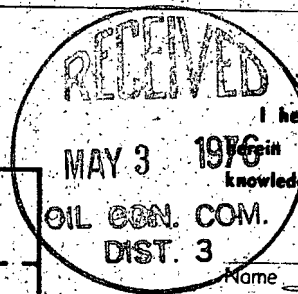
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

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.

Federal #NM 23077



H00-C-14-20-5246



CERTIFICATION

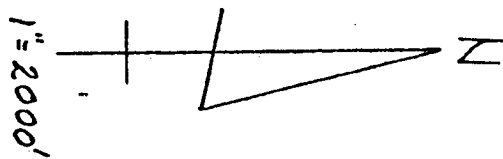
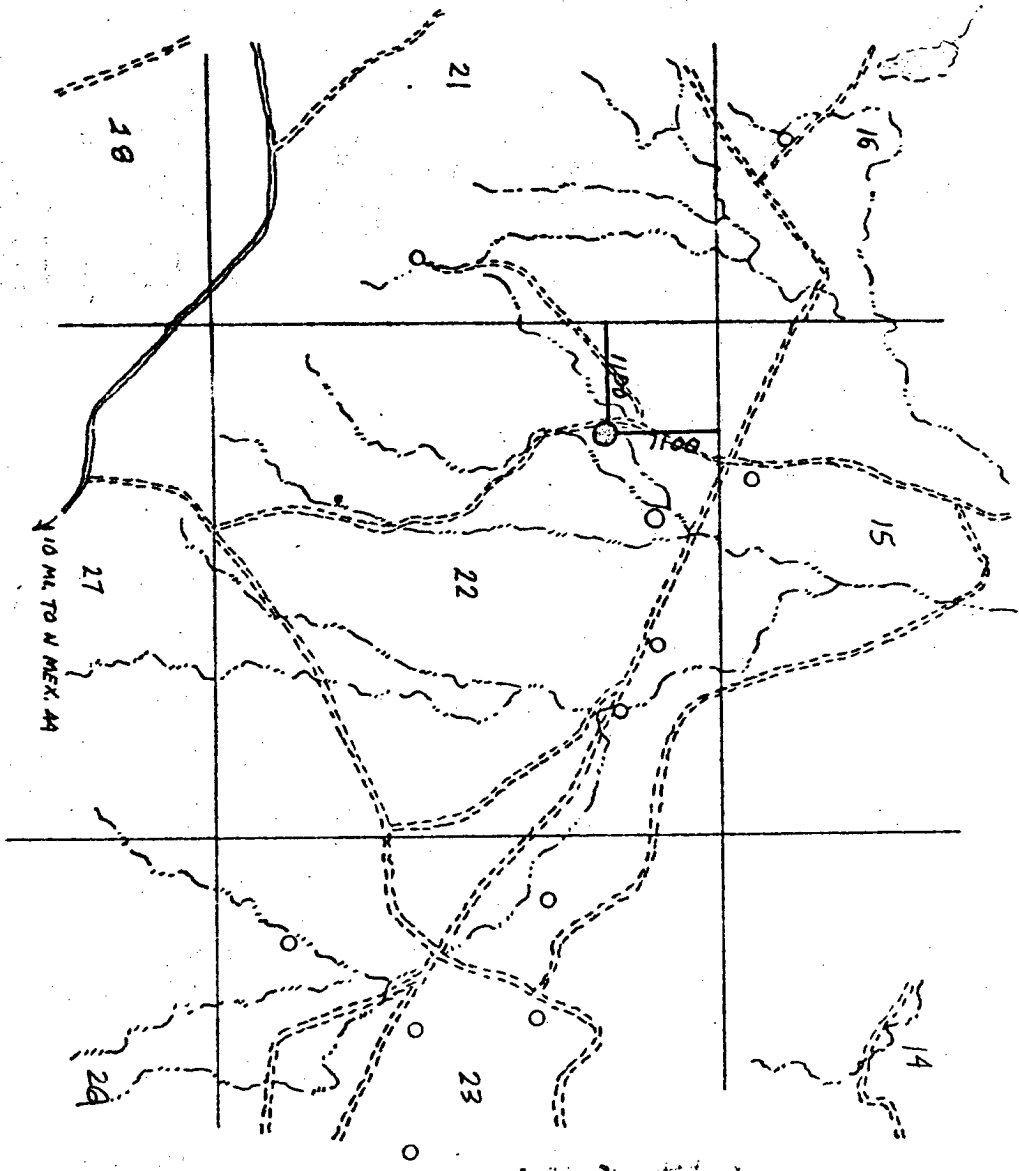
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *Thos. J. Decker*
 Position **Production Clerk**
 Company **Tenneco Oil Company**
 Date *4/27/76*

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.

12 March, 1976
 Date: Surveyed
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor
James P. Leese

1463
 Certificate No.



CANYON # 21

Vacinity Map for

Tenneco Oil Company
Well location in the NW 1/4
of Section 22, T25N, R11W
N.M.P.M., San Juan County,
New Mexico.

Scale: 1" = 2000'

Date: 15 March 1976

San Juan Engineering Co.
Farmington, New Mexico