

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 BONE ☒ MULTIPLE BONE ☐

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
SW/SE, Sec. 13, 1140' FSL, 1740' FEL  
At proposed prod. zone  
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 1/2 miles N of Aztec

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 1140'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 300'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6174' CR  
DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

23. "GENERAL REQUIREMENTS AND CEMENTING PROGRAM"

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT            |
|--------------|----------------|-----------------|---------------|-------------------------------|
| 12 1/4"      | 9 5/8"         | 36#             | ± 200'        | 200 cu.ft. - Circ. to Surface |
| 8 3/4"       | 7"             | 23#             | ±2341'        | 600 cu.ft. - Circ. to Surface |
| 6 1/2"       | 5 1/2" - Liner | 23#             | ±2241'-2875'  | None                          |

5. LEASE DESIGNATION AND SERIAL NO.  
SF-078039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Barnes

9. WELL NO.  
20

10. FIELD AND NAME OF WILDCAT  
CEDAR HILL  
BASAL Fruitland CO EXT

11. SEC., T., R., N., OR BLK.  
AND SURVEY OR AREA  
Sec. 13, T32N, R11W

12. COUNTY OR PARISH  
San Juan

18. STATE  
NM

16. NO. OF ACRES IN LEASE  
2080

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
320

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
10/1/88

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

See Attached Drilling Procedure.

See Item 1-B in the Surface Use Plan and Map 2 for the BLM ROW Application.

RECEIVED  
BLM MAIL ROOM  
68 AUG 22 PM 1:40  
FARMINGTON RESOURCE CENTER  
FARMINGTON, NEW MEXICO

RECEIVED  
SEP 23 1988  
OIL CON. DIV.  
DIST. 3

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 Larry Bell TITLE Administrative Supervisor DATE 8/15/88  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

HOLD C-104 FOR HEARING  
ON 8/14 LOCATION  
APPROVAL NMOCC

SEP 21 1988  
James E. Edwards Jr.  
AREA MANAGER

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

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

|  |  |  |                        |  |                       |
|--|--|--|------------------------|--|-----------------------|
| Operator<br><b>TENNECO OIL COMPANY</b>   |  |  | Lease<br><b>BARNES</b> |  | Well No.<br><b>20</b> |
| Unit Letter<br><b>0</b>  | Section<br><b>13</b>                         | Township<br><b>32 N</b>                                      | Range<br><b>11 W</b>   | County<br><b>SAN JUAN</b>              |                       |
| Actual Footage Location of Well:<br><b>1140</b> feet from the <b>South</b> line and <b>1740</b> feet from the <b>East</b> line |  |  |                        |  |                       |
| Ground Level Elev.<br><b>6174</b>  | Producing Formation<br><b>Fruitland Coal</b> | Pool <b>CEDAR HILL</b><br><b>BASEL</b> Fruitland <b>Coal</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?

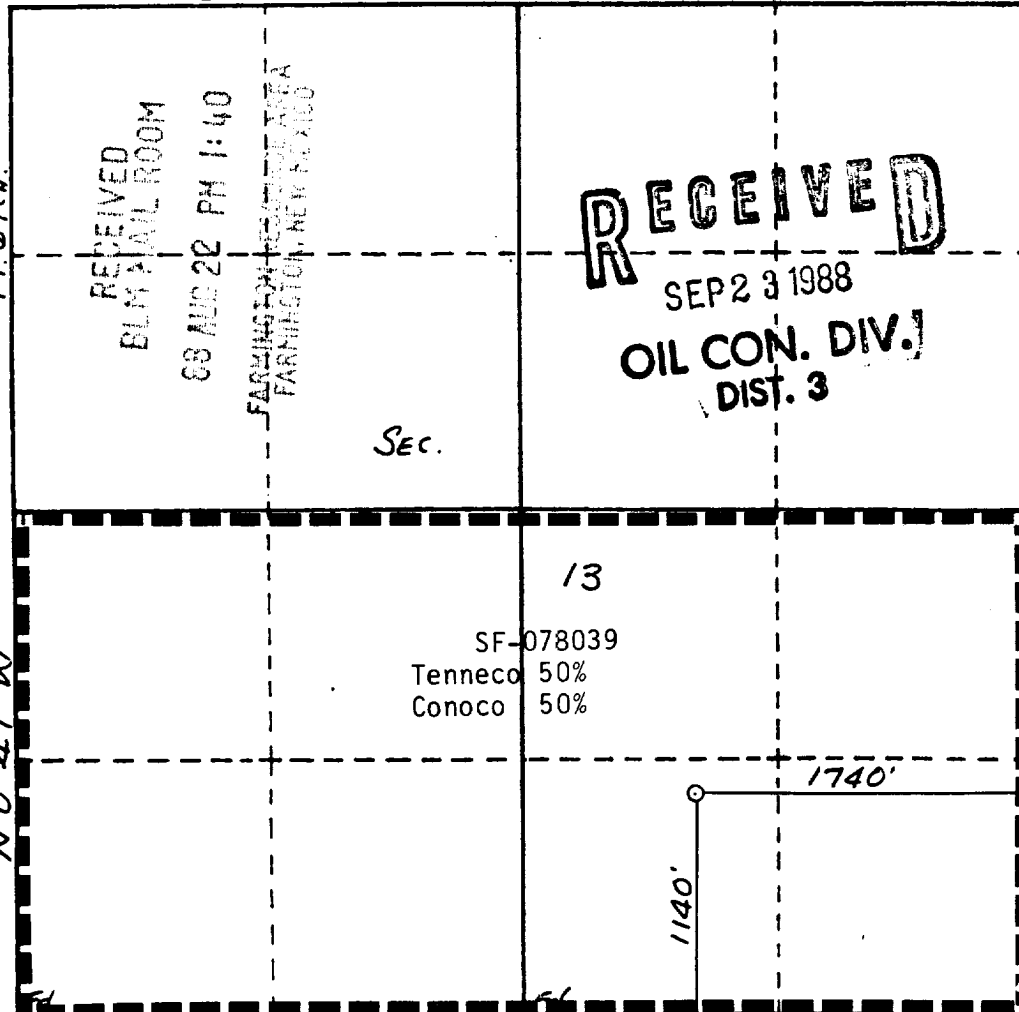
☐ Yes   ☐ No   If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been 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.

*N 89° 38' W*

*78.45 ch.*



**CERTIFICATION**

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

Name  
**Larry Bell** *[Signature]*  
 Position  
**Administrative Supervisor**  
 Company  
**Tenneco Oil Company**  
 Date  
**8/12/88**

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.

**WILLIAM E. JONES**  
**NEW MEXICO**  
**Surveyor II**  
 Registered Professional Engineer and Surveyor  
 Certificate No. **8466**

