

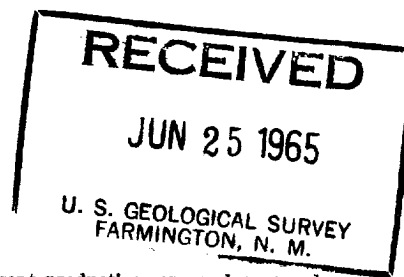
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. Contract 108		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Tenneco Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Colorado			8. FARM OR LEASE NAME Jicarilla "C"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650 FNL, 990 FNL, Section 23, T26N, R5W At proposed prod. zone Same			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Gallup-Basin Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T26N, R5W		
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6658 GL			22. APPROX. DATE WORK WILL START* 6-24-65		

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 Sx. Cement
7-7/8"	5-1/2"	14 & 15.5#	7690	1st Stage, 235 Sx. 2nd Stage, Sufficient cement through stage collar to circulate to surface.

We propose to drill w/rotary tools to approximately 7690', set casing and perforate and frac producing formations in both Gallup and Dakota formations and complete as a dual. Packer to be set between zones and produce Dakota through one string of tubing and Gallup through second string of 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: **J. H. Watkins** TITLE **District Office Supervisor** DATE **6-23-65**
SIGNED _____ (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY *gm* TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

DATE
APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

*See Instructions On Reverse Side

EXPIRES _____

EXPIRES **10-5-65**

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 Acreage Dedication Plat

Section A.

Date 23 June 1965

Operator TENNECO OIL COMPANY Lease Jicarilla (C)
 Well No. 1 Unit Letter E Section 23 Township 26 North Range 5 West NMPM
 Located 1650 Feet From North Line, 990 Feet From West Line
 County Rio Arriba G. L. Elevation 6658' ungraded Dedicated Acreage 320 Acres
 Name of Producing Formation _____ Pool _____

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes _____ No _____
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes", Type of Consolidation _____

3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description



Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Tenneco Oil Company

(Operator)

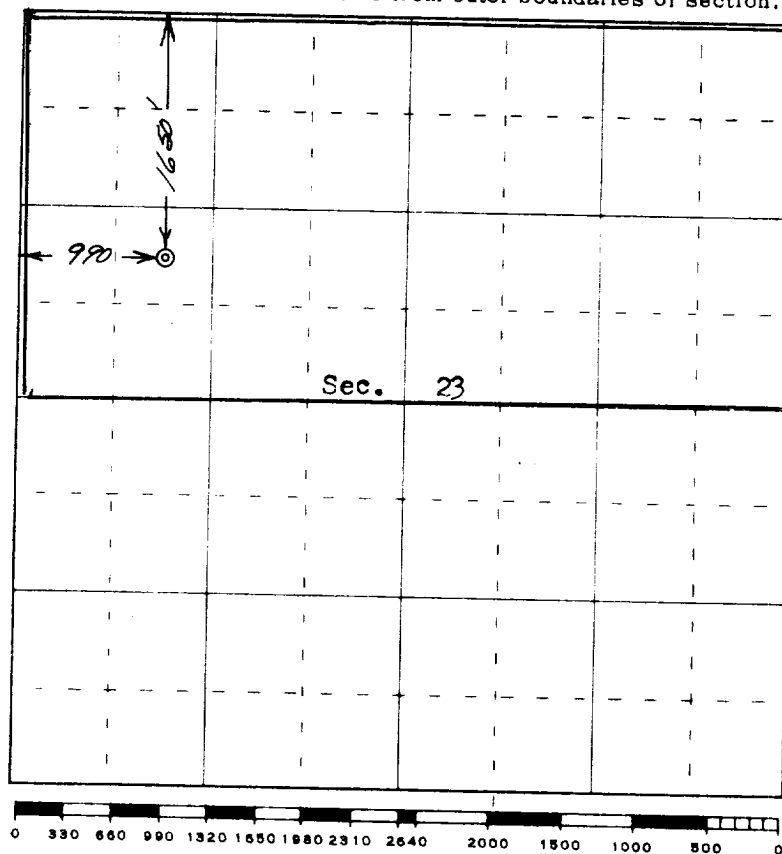
Harold O. Nichols
 Representative

P. O. Box 1714

(Address)

Durango

Colorado



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Ernst Engineering Co.
 Durango, Colorado

Date Surveyed 22 June 1965

Robert H. Ernst
 Registered Professional Engineer and/or Land Surveyor
 Robert H. Ernst, N. Mex. No. 22,016