

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form 9-331 C
Budget Bureau No. 42-11120

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 81301

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

1850' FSL, 790' FEL

At proposed prod. zone

Same Unit I

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 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.)

6603 GR

PROPOSED CASING AND CEMENTING PROGRAM

23.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	450'
7-7/8"	5-1/2"	15.5 & 14#	7660'

QUANTITY OF CEMENT

225 sx
1st stage 235 sx
2nd stage sufficient to cement
cement to surface

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 5/2

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

July 10, 1966

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Cont. 108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Dulce, N. M.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "C"

9. WELL NO.

No. 5

10. FIELD AND POOL, OR WILDCAT

Gallup & Basin Dakota

11. SEC., T., E., M., OR BLK.
AND SURVEY OR AREA

Sec. 24, T26N, R5W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

We propose to rig up, drill with rotary to approximate T.D. 7660'. Set casing with stage collar set at approximately 300' below bottom of Mesaverde. WOC. Run IES and GR-Density Logs. Perforate and frac both Basin Dakota and Gallup 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 the event the Gallup zone is non-commercial, a string of 4-1/2" 10.5# and 11.6# J-55 casing will replace the 5-1/2" casing (above) and a single string of 2-3/8" KUE tubing will replace the dual string of 2-1/16" 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 blow preventer program, if any.

24. Original Signed By
HAROLD C. NICHOLS

TITLE Senior Production Clerk

DATE 7/7/66

SIGNED
(This space for Federal or State office use)

APPROVAL DATE

PERMIT NO.

TITLE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE
JUL 11 1966

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

*See Instructions On Reverse Side

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 ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator TENNECO OIL COMPANY			Lease JICARILLA "C"		Well No 5
Unit Letter I	Section 24	Township 26 North	Range 5 West	County Rio Arriba	

Actual Footage Location of Well:
1850 feet from the **South** line and **790** feet from the **East** line

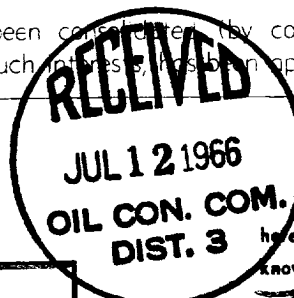
Ground Level Elev 6603' ungraded	Producing Formation Gallup & Basin Dakota	Undesig. Undesig. Gallup & Basin Dakota	Pool Undesig. Gallup & Basin Dakota	Dedicated Acreage 320	E/2 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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.



CERTIFICATION

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

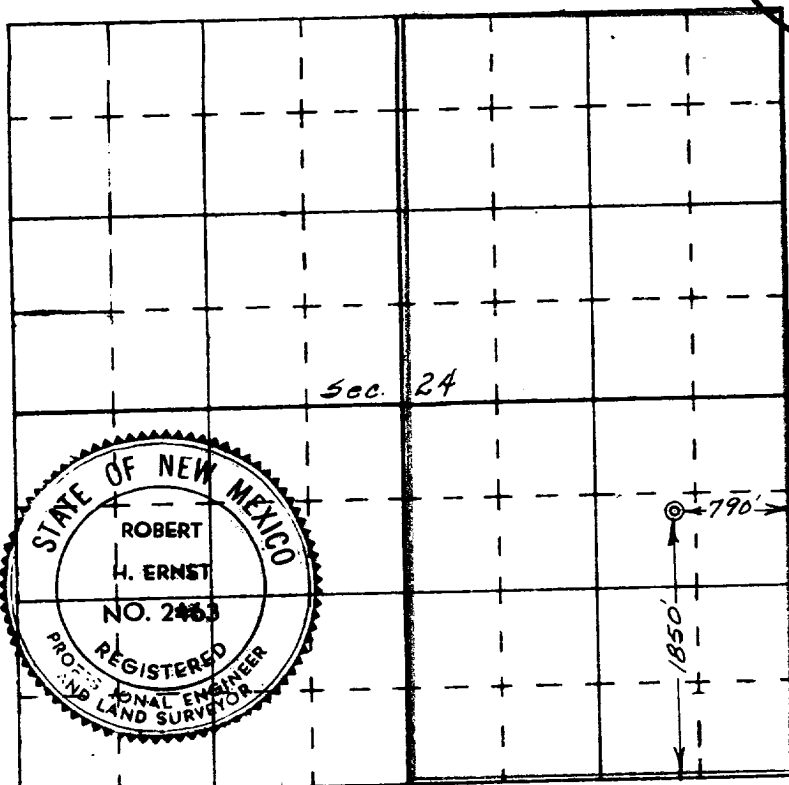
Harold C. Nichols
 Name
Harold C. Nichols
 Position
Senior Production Clerk
 Company
Tenneco Oil Company
 Date
July 6, 1966

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.

28 June 1966
 Date Surveyed
Robert H. Ernst
 Registered Professional Engineer
 and/or Land Surveyor

Robert H. Ernst
N. Mex. PE & LS 2463

Certificate No.



ERNST ENGINEERING CO.
DURANGO, COLORADO

