

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 1714, Durango, Colorado 81302

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

At surface

1090' FNL, 1160' FEL

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 drig. unit line, if any)

16. NO. OF ACRES IN LEASE

320

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

19. PROPOSED DEPTH

7750

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

6393 DF

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/4	4-1/2	11.6# & 10.5#	7750	1st stage 350 sx, 2nd stage 225 sx to fill from stage collar to surface

We propose to rig up squeeze perfs 4880-5436' in 5" liner w/300 sx. Pull tubing and set 5 sx cement on top of retainer. Pull tubing and WOC. Cut window in 7" casing at 4598' and set whipstock. Drill 6-1/4" hole to aprx TD 7750'. Log. Set casing to TD w/stage collar inside 7" aprx 400' above top of Mesaverde. Cement 1st stage w/350 sx, 2nd stage through collar w/225 sx to fill annular space from stage collar to surface. WOC. Drill out collar and clean out to TD. Perforate, frac and complete Dakota and Mesaverde formations. Set production packer between zones and run 2-3/8" tubing and land in packer. Install Xmas tree and test.

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

Harold C. Nichols

TITLE Senior Production Clerk

DATE 10-28-65

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

*Check deviation order
from to app. C-104*

TITLE

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

SF 078596-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Florance

9. WELL NO.

35

10. FIELD AND POOL, OR WILDCAT

Blanco MV & Basin Dakota

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

Sec. 18, T30N, R8W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DISTANCE FROM PROPOSED*

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RECEIVED

OCT 29 1965

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