

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 **Dual**SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1714, Durango, Colorado

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

At surface

1650' FWL, 1825' FWL, Section 21, T30N, R8W

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 10 miles NE of Blanco, New Mexico

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.

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

7500'17. NO. OF ACRES ASSIGNED
TO THIS WELL**320**

20. ROTARY OR CABLE TOOLS

Rotary

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

5820 DF

22. APPROX. DATE WORK WILL START*

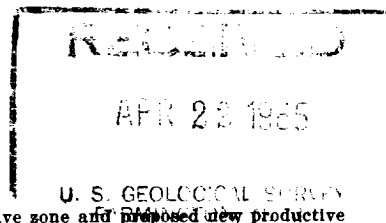
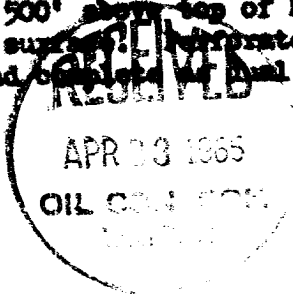
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23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/2"	4 1/2"	11.6# & 10.5#	7500'	150 sx 1st stage
				250 sx 2nd stage

Rig up and set 7" drillable packer in 7" casing and squeeze open hole with 350 sx Class "A" cement, 12% gilsonite, and 100 sx "A" 15% sand cement. Drill with 3" knuckle joint to Dakota zone to approximately 7500'. Log and run 4 1/2" casing, cement in two stages. First stage T.D. to 500' above top of Mesaverde. Second stage circulate cement from 500' above Mesaverde to surface. Circulate and frac Dakota and Mesaverde. Set model "B" packer above Dakota and complete at dual. Conduct deliverability test and packer leakage 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.

Original Signed by
J. H. WATKINS

SIGNED

TITLE **District Office Supervisor**

DATE

April 19, 1965

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side