

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. SF-080243	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		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 Florance	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990 FNL 1650 FEL At proposed prod. zone		9. WELL NO. 13	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco MV and 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. 18, 30N - 9W	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH 13. STATE San Juan New Mexico	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 E/2		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	
19. PROPOSED DEPTH 7511		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6170 DF		22. APPROX. DATE WORK WILL START* August 20, 1966	

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"	10.5 & 11.6	7511	Cement to surface 1st stage
				Cement to surface 2nd stage

We plan to clean out to old TD 5328. Set cement retainer above casing shoe and squeeze open hole w/450 sx cement. WOC. Set 3rd knuckle joint and drill 6 1/4" hole to approx. TD 7511. Log w/GR Density. Run 4 1/2" casing as shown above w/stage collar set approximately 300' below bottom of Mesaverde. WOC. CO to TD. Perforate and frac both Mesaverde and Dakota zones. Complete as dual gas well. Set production packer between zones and land 2 3/8" OD tubing in packer. Run packer leakage and deliverability tests.

RECEIVED

AUG 7 1966

OIL COMPANY

IN ABOVE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production logs 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 test program, if any.

SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE 8/15/66
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

DISTRIBUTION:

5-USGS:

1-Aztec Oil and Gas

1-Continental

1-File

*See Instructions On Reverse Side