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UNITED STATES  
DEPARTMENT OF THE INTERIORSUBMIT IN THE MANNER INDICATED\*  
(Other instructions as on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.

30-015-23225

APR 15 1980

MAR 28 1980 SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK ARTESIA, OFFICE <input checked="" type="checkbox"/> DRILL <input checked="" type="checkbox"/> ARTESIA, NEW MEXICO <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. USA NM 9543
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR TENNECO OIL COMPANY		7. UNIT AGREEMENT NAME CATCLAW DRAW UNIT
3. ADDRESS OF OPERATOR 6800 Park Ten Blvd., Suite 200 N., San Antonio, TX		8. FARM OR LEASE NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980 FSL 660 FWL SEC 25 T21S R25E At proposed prod. zone Same As Above		9. WELL NO. 15
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7.5 miles NW Carlsbad.		10. FIELD AND POOL, OR WILDCAT X CATCLAW DRAW MORROW
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'	16. NO. OF ACRES IN LEASE 640 ac in unit	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA u1-2 Sec 25 T21S R25E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3000'	19. PROPOSED DEPTH 11,100	12. COUNTY OR PARISH Eddy
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3432.7' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 ac
22. APPROX. DATE WORK WILL START* Oct. 10, 1980		18. STATE N.M.

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	350+	Cement is to circulate
11	8-5/8"	32#	1900+	Cement is to circulate
7-7/8"	5 1/2"	15.5# & 17#	+ 11,100 (PTD)	1000' above the shallowest probable productive zone.

1. Set 40' of 20" conductor pipe. Cement with Redimix.
2. Drill 17 1/2" hole to 350'-. Cement 13-3/8" casing w/cement circulated to surface. Nipple up 10" 3000# WP BOPS.
3. Drill 11" hole to 1900' +. Cement 8-5/8" casing w/cement circulated to surface to isolate lost circulation zones in the Delaware Section.
4. Nipple up 10" 3000# WP BOPS. Test ram type BOP to 3000 psi. Test annular BOP and 8-5/8" csg to 1500 psi. Function test BOPs daily and on all trips.
5. Drill 7-7/8" hole to 11,100' TD, log and test as necessary. Run 5 1/2" csg if productive.
6. Perforate and stimulate as necessary. Gas to be produced is dedicated. See attached Exhibits.

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

*Therese K. Armit*

TITLE Division Drilling Engineer

DATE 3/24/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

4-14-80

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: