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AMENDED
NEW MEXICO OIL CONSERVATION COMMISSION
RECEIVED

20-018-23727
Form C-101
Revised 1-1-65

MAY 14 1981

O. C. D.

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. B-9739-15	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State HL - 2	
2. Name of Operator Tenneco Oil Company		9. Well No. 1	
3. Address of Operator 6800 Park Ten Blvd., Suite 200 North, San Antonio, TX 78213		10. Field and Pool, or Wildcat Und. Turkey Track Morrow	
4. Location of Well UNIT LETTER E LOCATED 660 FEET FROM THE West LINE AND 1980 FEET FROM THE North LINE OF SEC. 2 TWP. 19 RGE. 29 NMPM		12. County Eddy	
19. Proposed Depth 11,700'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Approx. Date Work will start June 15, 1981	
22. Elevations (Show whether D.P., R.I., etc.) 3400' 3404.8 ft		21A. Kind & Status Plug. Bond Blanket #248-074	
21B. Drilling Contractor		22. Approx. Date Work will start	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48# H-40	300'	305 sx	Circulated
12 1/4"	9 5/8"	32# K-55	2800'	767 sx	Circulated
8 1/2"	5 1/2"	17# N-80	11700'	823 sx	Top @ 8000'

1. Drill 17-1/2" hole and set 13 3/8" surface casing to 300' +/- Drill w/FW spud mud and cement w/good returns.
2. Log B.O.P. checks in daily drill report. Drill 11" hole to 2800' +/- w/10 ppg brine. Run 9 5/8" csg. to 2800' +/- and cement to surface with 700+ sacks of class "C".
3. Drill 8 1/2" hole to 9180'. Possible DST in Wolfcamp carbonate + 9400'. Increase mud weight to 8.8 - 9.0 w/cut brine. "Mud-up" system as required by hole conditions. Increase mud weight with 10# brine as needed while continuing 8 1/2" hole to top of the Atoka @ approximately 10,500'.
4. Possible DST's in Atoka sand + 10,800' and Upper Morrow sand + 11,270'.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Mary Hall Title Production Analyst Date 5-11-81

(This space for State Use)

APPROVED BY W.A. Gress TITLE SUPERVISOR, DISTRICT II DATE MAY 18 1981

CONDITIONS OF APPROVAL, IF ANY: