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NEW MEXICO OIL CONSERVATION COMMISSION

30-015-23727
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>

5. State Oil & Gas Lease No.
69739-15

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"/>		8. Farm or Lease Name	
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"/>		State HL - 2	
2. Name of Operator		9. Well No.	
Tenneco Oil Company ✓		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
6800 Park Ten Blvd., Suite 200 North, San Antonio, TX. 78213		Turkey Track Atoka-Morrow	
4. Location of Well		12. County	
UNIT LETTER <u>E</u> LOCATED <u>660</u> FEET FROM THE <u>West</u> LINE		Eddy	
AND <u>1980</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>2</u> TWP. <u>19</u> RGE. <u>29</u> NMPM			
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
11,700'		Morrow	Rotary
21. Elevations (show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
-3400' 3404.8 ft.	Blanket #248-074		June 15, 1981

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
11"	8 5/8"	32# K-55	2800'	767 sx	Circulated
7-7/8"	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 8 5/8" csg. to 2800'+/- and cement to surface with 700+ sacks of class "C".
3. Drill 7-7/8" hole to 9180'. Possible DST in Wolfcamp carbonate + 9400'. ~~increase mud weight to 8.8-9.0 w/cut brine.~~ 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 7-7/8" hole to top of the atoka @ approximately 10,500'.
4. Possible DST's in Atoka sand + 10,800' and upper morrow sand + 11,270'.

over--

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 3/18/81

(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAR 30 1981

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 9-30-81
UNLESS DRILLING UNDERWAY

5. Continue drilling 7-7/8" hole to TD @ 11,700'. Control water loss at 10cc and keep KCL @ 5% to protect the morrow formation (estimated top of morrow 11,100').
6. Log in accordance with Geological Prognosis and subsequent instructions.
7. Run 5 1/2" production string or P&A.