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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

SEP 1 11 13 AM '67

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
E-169

7. Unit Agreement Name

8. Farm or Lease Name
Marathon State

9. Well No.
1

10. Field and Pool, or Wildcat
North Vacuum (Lower Wolfcamp)

12. County
Lea

19. Proposed Depth
8600'-8700'

19A. Formation
Abo

20. **Workover Unit**

21. Elevations (Show whether DF, RT, etc.)
4052.7 GL

21A. Kind & Status Plug. Bond
Blanket

21B. Drilling Contractor
Pulling Unit

22. Approx. Date Work will start
Immediately

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well
DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
PENNZOIL COMPANY

3. Address of Operator
P.O. Drawer 1828 Midland, Texas 79701

4. Location of Well
UNIT LETTER **L** LOCATED **1980** FEET FROM THE **South** LINE
AND **660** FEET FROM THE **West** LINE OF SEC. **2** TWP. **17-S** RGE. **34-E** NMPM

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP SURFACE
17 1/2	13 3/8	48	350	300	Surface
11	8 5/8	32 & 36	3300	750	1000
7 7/8	4 1/2	11.6 & 13.5	10,990	800	D.V. Tool Tie back to intermediate

This well is presently producing from the Lower Wolfcamp formation through perforations 10709-11, 10698-702, 10738-742, 10747-749. Since production has dropped from 107.61 B.O.P.D. to approximately 10 B.O.P.D. we plan to set a cast Iron Bridge Plug at 10,648' and dump a minimum of 20 feet of cement on top of the Bridge Plug and abandon the Lower Wolfcamp formation. We then plan to perforate and complete in the Abo formation between 8600' and 8700'.

A blowout preventer will be installed prior to perforating the Abo formation and will contain 2 3/8" Tubing Rams and Blank Rams.

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 Rodney C. Boyd Title Petroleum Engineer Date 8/31/67
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: