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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
5. State Oil & Gas Lease No.  
**L-6901**

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

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator <b>Mesa Petroleum Co.</b>		8. Farm or Lease Name <b>Merritt State</b>
3. Address of Operator <b>904 Gihls Tower West - Midland, Texas 79701</b>		9. Well No. <b>1</b>
4. Location of Well UNIT LETTER <b>F</b> LOCATED <b>1980</b> FEET FROM THE <b>North</b> LINE AND <b>1980</b> FEET FROM THE <b>West</b> LINE OF SEC. <b>19</b> TWP. <b>18S</b> RGE. <b>35E</b> NMPM		10. Field and Pool, or Wildcat <b>Wildcat</b>
		12. County <b>Lea</b>
19. Proposed Depth <b>12,800'</b>		19A. Formation <b>Morrow</b>
21. Elevations (Show whether DT, KI, etc.) <b>3959 GR</b>		20. Rotary or C.T. <b>Rotary</b>
21A. Kind & Status Plug. Bond <b>Blanket</b>	21B. Drilling Contractor <b>TRG Drilling</b>	22. Approx. Date Work will start <b>September 20, 1975</b>

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½	13 3/8	48	400	450	Circ
11	8 5/8	24-32	4800	400	2500
7 7/8	5 1/2	17-20	12,800	Sufficient to	cover all pay

Surface hole will be drilled without BOP's to 400: 12" API 3000 psi WP BOP's will be utilized while drilling to intermediate csg point. 10" API 5000 psi BOP's will be used to total depth. Brine water will be used to drill the intermediate hole. Fresh water with minimum additions will be utilized to approximately 10,300'. Brine water polymer mud will be used from 10,500' to total depth. Maximum mud weight expected is approximately 10-10.5 PPG.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES Dec 17, 1975

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 Michael P. Houston Title Division Engineer Date September 15, 1975

APPROVED BY John W. Runyan TITLE Division Engineer DATE SEP 17 1975  
CONDITIONS OF APPROVAL, IF ANY: