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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

MAR 13 7 50 AM '67

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. OG-667
7. Unit Agreement Name
8. Farm or Lease Name MARKHAM-STATE
9. Well No. 1
10. Field and Pool, or Wildcat WILDCAT
12. County ROOSEVELT
19. Proposed Depth 4900'
19A. Formation SAN ANDRES
20. Rotary or C.T. ROTARY
21. Elevations (Show whether DE, RT, etc.) NA-TO BE FILED LATER
21A. Kind & Status Plug. Bond SINGLE WELL
21B. Drilling Contractor VERNA DRILLING CO.
22. Approx. Date Work will start MARCH 13, 1967

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator ESTES ENGINEERING COMPANY 3. Address of Operator 208 PETROLEUM LIFE BLDG., MIDLAND, TEXAS 79701 4. Location of Well UNIT LETTER A LOCATED 660 FEET FROM THE NORTH LINE AND 660 FEET FROM THE EAST LINE OF SEC. 36 TWP. 7-S RGE. 37-E NMPM	5. State Oil & Gas Lease No. OG-667 7. Unit Agreement Name 8. Farm or Lease Name MARKHAM-STATE 9. Well No. 1 10. Field and Pool, or Wildcat WILDCAT 12. County ROOSEVELT 19. Proposed Depth 4900' 19A. Formation SAN ANDRES 20. Rotary or C.T. ROTARY 21. Elevations (Show whether DE, RT, etc.) NA-TO BE FILED LATER 21A. Kind & Status Plug. Bond SINGLE WELL 21B. Drilling Contractor VERNA DRILLING CO. 22. Approx. Date Work will start MARCH 13, 1967
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23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"OD	20#	350'	250	CIRCULATE
7-7/8"	5-1/2"OD	14#	4900'	150	3900

SURFACE CASING WILL BE CIRCULATED WITH REGULAR-PORTLAND CEMENT, MIXED WITH 2% HA-5 AND WITH 1/4# FLOSEAL PER SACK. CASING WILL STAND UNDER PRESSURE FOR 8 HOURS AND THEN BE TESTED TO 700 PSI FOR 30 MINUTES. ONE 50' CORE WILL BE CUT A APPROXIMATELY 4800'. AFTER REACHING TOTAL DEPTH OF APPROXIMATELY 4900', ELECTRIC LOGS WILL BE RUN. OIL STRING OF CASING IF PRODUCTION IS INDICATED WILL BE SET ON BOTTOM AND CEMENTED WITH INCOR 50-50 POSMIX CEMENT WITH 2% GEL. CASING WILL BE TESTED TO 1500 PSI FOR 30 MINUTES AFTER 36 TO 48 HOURS WOC TIME PRIOR TO PERFORATING.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.

EXPIRES 6-11-67

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 Russell M. Estes Title OWNER Date 3/16/67
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Cement must be back

into