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J.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-025-27597

Form C-101
Revised 1-1-85

5A. Indicate Type of Lease	
STATE ☒	FEE ☐
5. State Oil & Gas Lease No.	
NM-249	
7. Unit Agreement Name	
8. Farm or Lease Name	
State LF 20	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
UNDESIGNATED	
12. County	
Lea	
13. Proposed Depth	13,200'
19A. Formation	Morrow
20. Rotary or C.T.	Rotary
21A. Kind & Status Plug. Bond	Blanket-#248-074
21B. Drilling Contractor	Tot #3
22. Approx. Date Work will start	October 20, 1981

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work	
DRILL ☒	DEEPEN ☐
2. Type of Well	
OIL WELL ☐	GAS WELL ☒
3. Name of Operator	
Tenneco Oil Company	
4. Address of Operator	
6800 Park Ten Blvd., San Antonio, Texas 78213	
5. Location of Well	
UNIT LETTER M	LOCATED 660 FEET FROM THE South LINE
860 FEET FROM THE West	LINE OF SEC. 20 TWP. 16S RGE. 34E
6. Elevations (show whether DF, RT, etc.)	
4128.5 GL	
7. Proposed Depth	
13,200'	
8. Formation	
Morrow	
9. Rotary or C.T.	
Rotary	
10. Kind & Status Plug. Bond	
Blanket-#248-074	
11. Drilling Contractor	
Tot #3	
12. Approx. Date Work will start	
October 20, 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" New	54.5# K-55 STC	350'	352	Circ to Surf
12-1/4"	9-5/8" New	40# K-55 STC	4500'	950	Circ to Surf
8-1/2"	5-1/2" New	17# S-95 LTC	1,000'	930	Top @ 8900'
		17# N-80 LTC	12,000'		
		17# S-95 LTC	13,200'		

- Set 40' of 20" conductor w/ rathole machine.
- Drill 17½" hole to + 350'.
- Run, set, cmt. 13 3/8" csg., recement w/ 1" pipe if necessary.
- Install 13 3/8 x 13 5/8 3M type "WF" SOW & NU BOPS, tst. same to 500 psi.
- Drill 12¼" hole to + 4500 (i.e. San Andres).
- Run, set, cmt. 9 5/8" csg., recement w/ 1" pipe if necessary.
- NU 13 5/8 - 3M X 11" - 5M csg. spool. Test same to ½ csg, collapse, NU BOPS & choke manifold tst. same.
- PU 8½" hole bit, tst csg. to 1500 psi prior to drlg. FC.
- Drill 8½" hole to 13,200'.
- Log hole, run 5½. csg. or P&A.
- NU 11" 5M X 7 1/6" 5M Type "N" tbg. Hd., tst same to ½ csg, collapse. install blind flanges or cover-plate. Gas is not dedicated.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 Arita Gray Title Production Analyst Date October 9, 1981

(This space for State Use)

PROVED BY 1000 TITLE 1000 DATE 1000

CONDITIONS OF APPROVAL, IF ANY:

OCT 14 1981

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 4/14/82
UNLESS DRILLING UNDERWAY