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FILE

U.S.G.S.

LAND OFFICE

OPERATOR

NEW MEXICO OIL CONSERVATION BOARD

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Form C-101

Revised 1-1-65

DEC - 6 1978

O. C. C.
ARTESIA, OFFICE

5A. Indicate Type of Lease

STATE ☒FEE ☐

5. State Oil & Gas Lease No.

LG - 1101

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

OIL WELL ☐GAS WELL ☒

OTHER

SINGLE ZONE ☒MULTIPLE ZONE ☐

2. Name of Operator

TEXAS OIL & GAS CORP. ✓

3. Address of Operator

900 Wilco Building, Midland, Texas 79701

4. Location of Well

UNIT LETTER N LOCATED 714 FEET FROM THE South LINE

AND 2062

FEET FROM THE West LINE OF SEC. 16 TWP. 18S RGE. 31E NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Shugart State Com.

9. Well No.

1

10. Field and Pool, or Wildcat
N. Shugart
Undesignated (Morrow)

12. County

Eddy

19. Proposed Depth

12,000

19A. Formation

Morrow

20. Rotary or C.T.

Rotary

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

3664.6 GR

21A. Kind & Status Plug, Bond
Blanket renewed
& upgraded 1-6-78.

21B. Drilling Contractor

Undetermined

22. Approx. Date Work will start

December 15, 1978

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11 3/4"	42#	600	450	Surf.
11"	8 5/8"	24#, 28#, 32#	4500	1500	Surf.
7 7/8"	4 1/2"	11.6#, 13.5#	12,000	1000	9000'

- 1.) Drill 15" hole to approx. 600' with FW spud mud. Set 11 3/4" casing and cement to surf.
- 2.) Nipple up BOP. Drill 11" hole to approx. 4500' with brine water. Set 8 5/8" casing and cement to surface.
- 3.) Drill out w/7 7/8" bit using fresh water and drill to approximately 9500'. (Top of Wolfcamp).
- 4.) Displace with 10# brine and drill to 10,500'. (Top of Strawn).
- 5.) Mud up w/brine/polymer mud to 10.0 - 10.3 PPG, 30-36 Vis and drill to TD, dropping WL to 5 cc or less through Morrow.
- 6.) Run GR/CNL/FDC & DLL/RXO open hole logs. DST if necessary.
- 7.) Run 4 1/2" casing for completion through perfs. Stimulate and test as necessary.

APPROVAL AND

FOR 90 DAYS UNLESS
DRILLING COMMENCED,EXPIRES 3-7-79

NSL R-5835

GAS IS NOT DEDICATED

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 S.P. Baker S.P. Baker Title District Drilling Engineer Date December 5, 1978

(This space for State Use)

APPROVED BY W.A. Gussert TITLE SUPERVISOR, DISTRICT II DATE DEC - 7 1978

CONDITIONS OF APPROVAL, IF ANY: