

MAR 29 1984

O. C. D.
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5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.
C-1819

7. Unit Agreement Name

8. Farm or Lease Name
State JL 36

9. Well No.
1

10. Field and Pool, or Wildcat
Leo Queen Grayburg So.

12. County
Eddy

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

DRILL ☐ DEEPEN ☐ PLUG BACK ☒

Type of Well
OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator
Tenneco Oil Company

Address of Operator
7990 IH 10 West, San Antonio, TX 78230

Location of Well
UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE

NO 1980 FEET FROM THE East LINE OF SEC. 36 TWP. 18S RGE. 29E NMPM

19. Proposed Depth
2810'

19A. Formation
Queen

20. History of C.T.

21A. Kind & Status Plug. Bond
Blanket 248-074

21B. Drilling Contractor

22. Approx. Date Work will start

23. PROPOSED CASING AND CEMENT PROGRAM

1. MIRU PU.

2. RU kill truck and load hole with 44 bbls of brine water.

3. ND tree. NU BOP.

4. Unset Guiberson UNI VI packer which is set at 11158'.

5. Circulate hole full of brine water. Pull tubing and packer.

6. RU electric line truck. TIH and set 5-1/2" CIBP at 11150'. Dump 35' of cement on top of CIBP to plug off the Morrow.* Set 25 SX plugs at 9550-9650 + 9170-9270

7. Free point the 5-1/2" casing. (Note: Top of cement by cement bond log is 7000'.) Cut and pull casing from as deep as possible. Lay down, count and tally casing.

8. TIH with tubing and spot 100' cement plug across casing stub with 50' inside of casing and 50' outside. WOC and tag cement plug.

9. Pull tubing and spot 100' of cement from 4650 to 4750 to isolate Bone Springs formation. WOC and tag cement plug.

10. Pull tubing and spot 100' of cement from 3600' to 3700' to isolate Delaware formation. WOC and tag cement plug.

APPROVED FOR 180 DAYS
PLUG BACK 10-2-84
UNLESS DRILLING UNDERWAY

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 Robert A. Matthew Title Production Engineering Supervisor Date March 22, 1984

(This space for State Use)

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE APR 02 1984

CONDITIONS OF APPROVAL, IF ANY: * As Noted Above

Noted time to witness
Plug Back

11. Pull tubing and PU EZSV. Set 8-5/8" EZSV at 2820'. Squeeze 150' of cement below plug. POOH. Leave 10' of cement on top of EZSV. WOC and tag cement plug with electric wireline.
12. TIH with work string and circulate hole with completion-packer fluid.
13. POOH. Fill casing with completion-packer fluid.
14. RU electric logging unit and run CBL-GR-CLC log from PBTD to 1000'. KB to GL is 19 8'.
15. RU electric line unit and 3000 psi lubricator. TIH with 5" casing gun, tie-in with casing collars, and perforate from 2464'-80' with 2 JSPF, 120" phasing. POOH with gun.
16. TIH with 8-5/8" Baker "Lok-Set" packer with on-off tool with FL cut to 1.81 profile on 2-3/8" N-80 8rd ABC Mod. tubing. (Note: Insert radioactive collar for tie-in.)
17. Tally tubing in hole and hydrotest to 7000 psi above slips. RU electric line unit and tie-in.
18. Set packer at 2400' with 8000 psi compression. ND BOP. Make up tree on top joint. NU tree. Test tree to 5000 psi.
19. Lay and stake down flowline to pit. RU well testers.
20. RU swab unit. Swab down to packer. RD swab unit.
21. Flow well and clean up. When well has cleaned up, divert to portable test unit to obtain stabilized rate.
22. Stimulate if necessary.