

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)  
30-025-27597

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

NM-249

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☒

b. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER ☐

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

State LF 20

2. Name of Operator

FINA OIL & CHEMICAL COMPANY

8. Well No.

1

3. Address of Operator

Post Office Box 2990, Midland, Texas 79702

9. Pool name or Wildcat

Kemnitz Atoka Morrow, South/Wildcat

4. Well Location

Unit Letter M : 660 Feet From The South Line and 860 Feet From The West Line

Section 20

Township 16S

Range 34E

NMPM

Lea

County

10. Proposed Depth

13,014'

11. Formation

Atoka/Miss.

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

4128.5 GR

14. Kind & Status Plug. Bond

Blanket-Active

15. Drilling Contractor

N/A

16. Approx. Date Work will start

November 1, 1989

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"        | 54.5            | 362           | 400             | Surface    |
| 12 1/4"      | 9 5/8"         | 40              | 4432          | 1700            | Surface    |
| 8 1/2"       | 5 1/2"         | 20              | 13,128        | 1165            | 10,200 CBL |

1. POOH w/Baker Lok-Set pkr.
2. RIH w/4 5/8" bit & 5 1/2" csg scraper to PBTD 13,083'.
3. Spot 25 bbls 2% KCl water. POOH.
4. RIH w/Baker Lok-Set pkr to 12,950'. Test csg below pkr to 500 psi for 5 mins.
5. Pull pkr to 12,800'. Test csg annulus to 500 psi for 5 mins. POOH.
6. RIH w/tbg-conveyed gun & pkr. Set pkr at 12,950'.
7. Perf 13,014' to 13,026'.
8. Evaluate production.
9. If production is commercial, run tandem pkrs w/side pocket mandrel to isolate Morrow perms 12,844' to 12,852'.
10. If production is non-commercial, POOH w/Baker Lok-Set pkr.
11. Set CIBP @ 12,720'. Dump 20' cmt on top.
12. RIH w/tbg-conveyed gun and pkr. Set pkr at 12,500'.
13. Perf 12,580' to 12,586'.

REMAINDER OF PROCEDURE ON BACK.

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.

SIGNATURE Phillip D. Miller TITLE Petroleum Engineer DATE October 19, 1989

TYPE OR PRINT NAME Phillip D. Miller

915 688 0600

TELEPHONE NO.

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE OCT 25 1989

CONDITIONS OF APPROVAL, IF ANY: