

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

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

OIL CONSERVATION DIVISION

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

API NO. (assigned by OCD on New Wells)

30-025-31969

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-1113

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 ☐

2. Name of Operator

Marathon Oil Company

3. Address of Operator

P.O. Box 552 Midland, Tx. 79702

7. Lease Name or Unit Agreement Name

WARN STATE A/C 2

8. Well No.

20 21

9. Pool name or Wildcat

VACUUM (DRINKARD)

4. Well Location

Unit Letter C : 1109 Feet From The NORTH Line and 1993 Feet From The WEST Line

Section 6

Township 18-SOUTH

Range 35-EAST

NMPM LEA

County

10. Proposed Depth

8300'

11. Formation

DRINKARD

12. Rotary or C.T.

ROTARY

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

3074.9'

14. Kind & Status Plug. Bond

BLANKET-CURRENT

15. Drilling Contractor

UNKNOWN

16. Approx. Date Work will start

5/7/93

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	CONDUCTOR	40'	REDI-MIX	SURFACE
14.75"	11.75"	42.0	1400'	770	SURFACE
11"	8.625"	32.0	3000'	900	SURFACE
7.875"	5.5"	15.5, 17.0	8300'	1325	SURFACE

TO MINIMIZE ANY WATERFLOWS AND ENSURE GOOD PRIMARY CEMENTING, AN EXTERNAL CASING PACKER WILL BE SET @ +/- 1350' ON THE 8.625" CASING STRING. THE 5.5" PRODUCTION STRING WILL EMPLOY A STAGE TOOL @ +/- 6000' TO ENSURE A FULL COLUMN OF CEMENT TO SURFACE.

H2S SAFETY AND DETECTION EQUIPMENT WILL BE RIGGED UP AND OPERATIONAL BY 1500'. A STROKE COUNTER, PVT AND FLO-SHO INDICATOR WILL BE OPERATIONAL BY 1500'.

APPROXIMATELY 60'-90' OF CORE WILL BE CUT IN THE DRINKARD FORMATION.

BLOWOUT PREVENTION EQUIPMENT WILL BE APPLIED AS FOLLOWS: 14-3/4" SURFACE HOLE, 16-3/4" 2M DIVERTER. 11" INTERMEDIATE HOLE, 11" 3M DUAL RAMS, 11" 3 BLIND RAMS, 11" ANNULAR, 11" ROTATING HEAD. 7-7/8"

PRODUCTION HOLE, 11" 3 M DUAL RAMS, 1" ANNULAR, 11" ROTATING HEAD. INTERMEDIATE AND PRODUCTION BOP'S WILL BE TESTED BY AN INDEPENDENT TESTER. ALL EQUIPMENT WILL BE FUNCTION TESTED PERIODICALLY AS REQUIRED.

ALL CASING WILL BE RUN AND CEMENTED ACCORDING TO STATE REGULATIONS.

SURFACE OBSTRUCTIONS PREVENT AN ORTHODOX SURFACE HOLE LOCATION. THE WELL WILL BE DRILLED VERTICALLY TO A DEPTH OF 6100', THEN DEVIATED NORTH EASTERLY TO A PROPOSED BOTTOM HOLE LOCATION OF 823' FNL & 2261' FWL. MARATHON HAS FILED FOR ADMINISTRATIVE APPROVAL FOR THIS WELL.

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 C Pearce by C.E.Y. TITLE DRILLING SUPERINTENDENT DATE 05/03/93

TYPE OR PRINT NAME CECIL T. PEARCE

TELEPHONE NO. 915/682/162

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

JUN - 4 1993

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

LA-82