

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-025-31157
Form C-101
Revised 10-1-78

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5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|--|--|--|
| 1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 7. Unit Agreement Name |
| b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injector SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 8. Farm or Lease Name McDonald State A/C 1 |
| 2. Name of Operator Marathon Oil Company | | 9. Well No. 31 |
| 3. Address of Operator P. O. Box 552, Midland, TX 79702 | | 10. Field and Pool, or Wildcat S. Eunice/7-Rivers-Queen |
| 4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>2620</u> FEET FROM THE <u>west</u> LINE AND <u>1340</u> FEET FROM THE <u>south</u> LINE OF SEC. <u>16</u> TWP. <u>22-S</u> RGE. <u>36-E</u> NMPM | | 12. County Lea |
| 19. Proposed Depth 3900' | | 19A. Formation 7-Rivers/Queen |
| 20. Rotary or C.T. Rotary | | |
| 21. Elevations (Show whether DF, KT, etc.) 3543' GL | 21A. Kind & Status Plug. Bond Blanket-Current | 22. Approx. Date Work will start |

23. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|-----------|
| 11" | 8-5/8" | 24# | 450' | 200 | Circulate |
| 7-7/8" | 5-1/2" | 15.5# | 3900' | 850 | Circulate |

Plan to drill to 3900'.

Cement and test all casing by approved methods.

Blowout prevention equipment will be a 14" annular or rotating head for the surface hole and an 11" 3M annular, 11" 3M dual ram with remote controls and 3M choke system for the 7-7/8" hole. Well is anticipated to be completed as a 7-Rivers-Queen injection 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.

Signed [Signature] Title Drilling Superintendent Date 4/31/91

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE MAY 14 1991

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

R-9503 Inj Qu & NSL