

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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)
30-025-05909 ✓

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
033520

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

BERTHA BARBER

2. Name of Operator

MARATHON OIL COMPANY

8. Well No.

4

3. Address of Operator

PO BOX 552 MIDLAND, TX 79702

9. Pool name or Wildcat *Eumont Y-SR-QN*
Eumont MONUMENT (GRAYBURG/EUMONT)
SA

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 1980 Feet From The West Line

Section 5 Township 20-S Range 37-S NMPM LEA County

10. Proposed Depth

11. Formation

Y-SR-QN

12. Rotary or C.T.

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

GL: 3571' KB: 3581'

14. Kind & Status Plug Bond

15. Drilling Contractor

16. Approx. Date Work will start

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	13"	50#	151'	150	Circ'd to surface
	9-5/8"	38#	1131'	500	Circ'd to surface
	7"	24#	3770'	450	450'

DUAL COMPLETE IN GRAYBURG/SAN ANDRES & EUMONT FORMATIONS

- 1) MIRU PU. ND wellhead. NU BOPs. POOH w/production equipment.
- 2) Pull GR-CCL-CNL log from 3000' - 3721'. Set CIBP @ 3655'. Pull GR-CCL-CBL log from 2600' - 3650'. Perforated Grayburg/San Andres from 3555' - 3640' w/1 spf & Eumont from 3200' - 3412' w/ 2 spf.
- 3) Acidize Grayburg/San Andres w/3000 gallons. Swab back load. Set RBP @ 3500'.
- 4) Acidize Eumont w/3500 gallons. Swab back load. Frac Eumont w/65 quality CO2 Foam & 101,000# sand. Swab back load. Retrieve RBP.
- 5) RIH w/dual completion strings. ND BOPs. NU wellhead. Put on plunger lift. RD PU. MOL.

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 Brent D Lockhart TITLE ADVANCED ENGINEERING TECHNICIAL DATE 10/9/92

TYPE OR PRINT NAME BRENT D. LOCKHART

TELEPHONE NO. 915/682-1626

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE OCT 22 '92

CONDITIONS OF APPROVAL, IF ANY:

approved for recompletion work only.
Eumont gas production subject to approval of non-standard location
and C-107