

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)
30-025-31185
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. A-2614

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Lease Name or Unit Agreement Name McDonald State A/C-1			
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Well No. 47			
2. Name of Operator Marathon Oil Company		9. Pool name or Wildcat South Eunice Sr/QN			
3. Address of Operator P. O. Box 552, Midland, TX 79702					
4. Well Location Unit Letter <u>NM</u> : 1920' Feet From The <u>west</u> Line and 900' Feet From The <u>south</u> Line Section 16 Township 22-S Range 36-E NMPM Lea County					
10. Proposed Depth 4000'		11. Formation 7-Rivers/Queen	12. Rotary or C.T. rotary		
13. Elevations (Show whether DF, RT, GR, etc.) 3540'	14. Kind & Status Plug. Bond Blanket-Current	15. Drilling Contractor Unknown	16. Approx. Date Work will start May 1, 1991		
17. 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#	4000'	850	Circulate

Plan to drill to 4000'.

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 producer.

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 [Signature] TITLE Drilling Superintendent DATE 4/23/91
TYPE OR PRINT NAME _____ TELEPHONE NO. 915/682-16

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE APR 26 1991

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.