

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Marathon Oil Company

3. ADDRESS OF OPERATOR
 P. O. Box 552, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface: 1650' FNL & 4310' FEL
 At proposed prod. zone: 1650' FNL & 1200' FEL
 U.T.G.

5. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles east of Hagerman, New Mexico

6. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 1650'

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 *N/A

8. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3736'

5. LEASE DESIGNATION AND SERIAL NO.
 NM-62125 62195

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Voluntary

8. FARM OR LEASE NAME
 Marathon Federal

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 South Lone Wolf, Devonian

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec. 33, T-13-S, R-29-E

12. COUNTY OR PARISH
 Chaves

13. STATE
 NM

16. NO. OF ACRES IN LEASE
 1360

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

19. PROPOSED DEPTH
 10,000

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 October 15, 1991

RECEIVED
NOV 21 1991

O.C.D.
ARTESIA OFFICE

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	Conductor	40	Circulate w/Redi-mix
17 1/2"	13-3/8"	48	300'	320 Sx - circulate
12 1/4"	8-5/8"	24	2300'	1125 Sx - circulate
7-7/8"	5 1/2"	15.5, 17	10,000'	840 Sx - TOC @ ±2000'

Well is intended as a potential Devonian producer.
 All casing will be run and cemented in accordance with regulations and by approved methods.
 Blowout prevention equipment will be applied as outlined in Additional Information.
 See attached Multipoint Surface Use Plan and Additional Information for specific drilling operations.

Post ID-1
11-29-91
New Loc & API

*First Well on Lease

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Drilling Superintendent DATE 10/20/91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE Area Manager DATE 11-19-91

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.
 PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.
 Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States Government any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.