

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

Recomplete as

Devonian SWD

ARE SINGLE  
ZONE

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 552, Midland, Texas 79702 (915) 682-1626  
O. C. D. ARTESIAN OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FNL & 660' FWL, Unit Letter E, Sec. 23, T-21-S, R-23-E

At proposed prod. zone

Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

25 miles W, NW of Carlsbad

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

480

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N.A. since SWD

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

10,430'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3831' GL

22. APPROX. DATE WORK WILL START\*

Sept. 9, 1991

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Unknown	9-5/8"	Unknown	2250'	1000 sxs 50/50 POZ circulated
Unknown	7"	23#/ft. 26#/ft & 29#/ft.	10,100'	1350 sxs TOC by temperature log 6080'

Marathon Oil Company respectfully requests permission to initial operations to recomplete the above referenced well to salt water disposal in the Devonian formation. Following is the proposed procedure:

- 1) MIRU pulling unit.
- 2) ND wellhead. NU BOP's
- 3) Release packer. POOH.
- 4) GIH with 7" packer on 2-7/8" workstring and set packer at  $\pm$  6350'. Squeeze off Wolfcamp perforations.
- 5) POOH and GIH with 6" bit on 4 - 4-3/4" drill collars on 2-7/8" workstring.
- 6) Drill out squeeze and test squeeze to 500 psig.
- 7) If squeeze holds, continue in hole and drill out, CIBP at 7325' and clean out to 7630'. POOH.
- 8) GIH and mill out top Model "D" packer at 7640'. POOH.

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 J. N. Zito TITLE Operations Superintendent DATE 8-23-91

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY Eng. Signed by Adam Salameh TITLE PETROLEUM ENGINEER DATE 9/4/91  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Subject to  
Like Approval  
by State

\*See Instructions On Reverse Side

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.