

Revised Section
SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)
**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Form approved.
Budget Bureau No. 42-R1425.

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 ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 2659, Casper, WY 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1850' FNL & 790' FEL
At proposed prod. zone

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

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

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
3150'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6614' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	160 sacks to surface (Approx.)
7-7/8"	4-3/4"	16#	3150'	650 sacks (Approx.)

Marathon Oil Company proposes to drill subject well to an approximate total depth of 3150' in the Pictured Cliffs Formation.

The following open hole logs will be run from total depth to surface casing: IES, FDC-GR-Caliper-CNP. Prior to perforating, a Gamma Ray correlation logs is proposed. The proposed mud program will be water base gel mud with low fluid loss while drilling productive sands. A double ran BOP will be used. Deviation surveys will be conducted at intervals of 500' in compliance with New Mexico Conservation Commission regulation.

Anticipated tops are as follows:
Kirtland 2643'
Fruitland 2825'
Pictured Cliffs 3003'

Pictured Cliffs Sand will be perforated and stimulated by sand fracturing.
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth. Give blowout preventer program, if any.

Original Signed
SIGNED Carl M. [illegible] TITLE District Operations Manager DATE July 1, 1974
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE JUL 5 1974

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.
Tract 251 Contract 000154

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
Jicarilla Apache

8. FARM OR LEASE NAME
Jicarilla Apache

9. WELL NO.
No. 17

10. FIELD AND POOL, OR WILDCAT
South Blanco-Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T.26N., R.5W.

12. COUNTY OR PARISH 13. STATE
Rio Arriba New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
August 1, 1974

