

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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, Wyoming 82601

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

At surface 1940' FNL & 720' 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)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

6624' 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 ram 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'

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 Paul M. MorrisTITLE District Operations Manager DATE June 21, 1974

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

DATE

JUN 26 1974

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.