

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

1090' FSL & 1790' FEL, Section 23

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.)

GR: 5698'

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

1800'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	175'	125 sacks to surface (approx.)
6-3/4"	4-3/4"	16#	1800'	260 sacks (approx.)

Marathon Oil Company proposes to drill subject well to an approximate total depth of 1800' in the Lewis Formation.

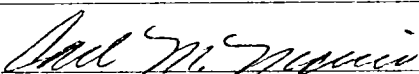
The following open hole logs will be run from TD to 175': IES, FDC-GR-Caliper-CNP. A Gamma Ray correlation log is proposed from PBDT to 700' after casing is set. The proposed mud program will be water base gel mud with low fluid loss while drilling productive sands. A double ram BOP will be used. Deviation surveys will be conducted at intervals of 500' in compliance with New Mexico Conservation Commission regulation. Anticipated tops are as follows: Fruitland 1460', Pictured Cliffs 1660' and Lewis 1730'.

The Pictured Cliffs Sand will be perforated, sandfractured and tested. The Fruitland Sand will also be perforated, sandfractured and tested. If commercial gas production is obtained from both sands, the well will be dual completed with a production packer set between the zones.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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



TITLE District Operations Manager

DATE June 12, 1974

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

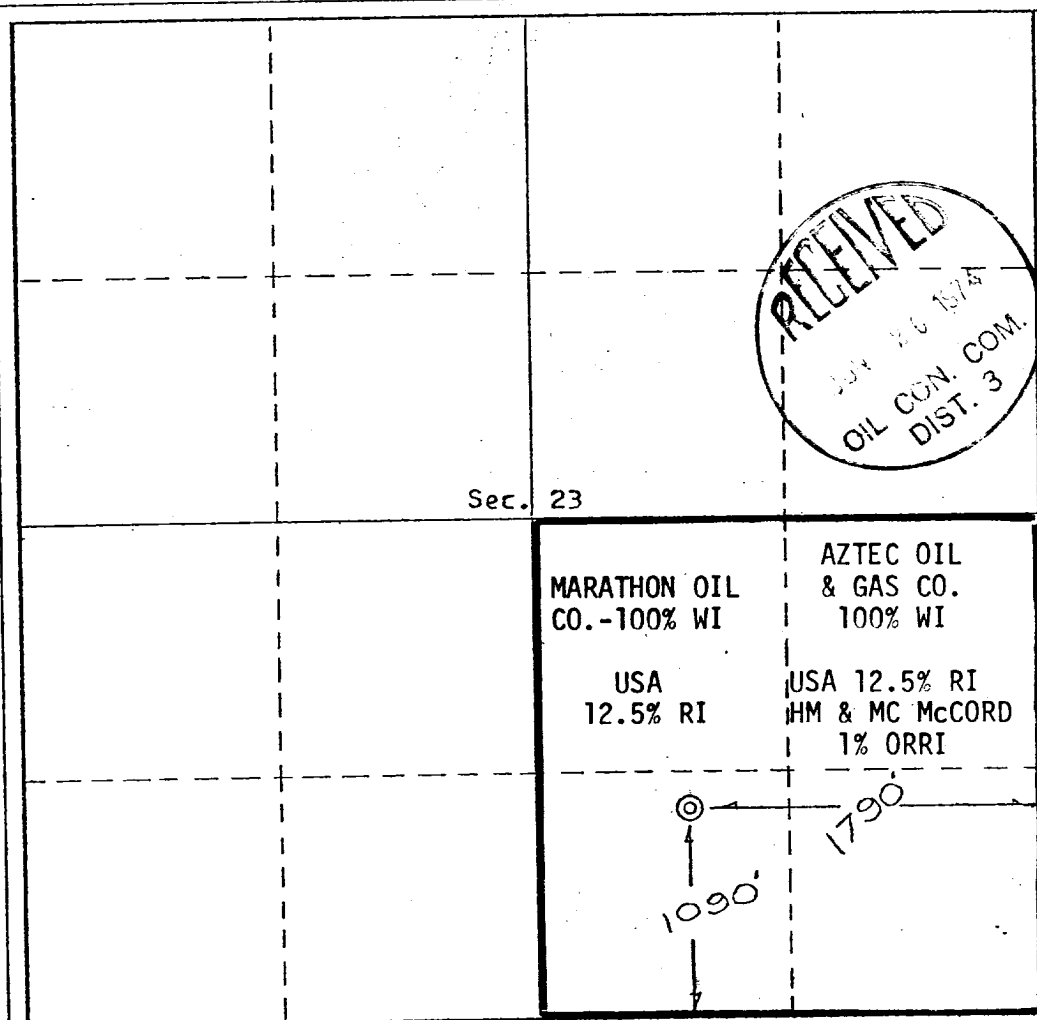
Operator MARATHON OIL COMPANY			Lease Ohio "B" McCord		Well No. 1
Unit Letter 0	Section 23	Township 28 North	Range 11 West	County San Juan	
Actual Footage Location of Well: 1090 feet from the South line and 1790 feet from the East line					
Ground Level Elev. 5698	Producing Formation Pictured Cliffs Sand		Pool Folcher Kutz Pictured Cliffs EXT		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Carl M. Morris
Name

Carl M. Morris

Position

District Operations Manager

Company

Marathon Oil Company

Date

6-12-74

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

May 17, 1974

Registered Professional Engineer
and/or Land Surveyor

E.V. Ech Hawk

Certificate No. 3602
E.V. Ech Hawk LS

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0