

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF 075794		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Marathon Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 2659, Casper, Wyoming 82601			8. FARM OR LEASE NAME Ohio "B" Aztec		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At surface 1060' FNL & 1890' FWL, Section 23 At proposed prod. zone			9. WELL NO. #1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Kutz Canyon-Fruitland & Pictured Cliffs		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T28N, R11W		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH 1800'		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR: 5707'					

## 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 PBD 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 1490', Pictured Cliffs 1690' and Lewis 1760'.

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 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. SIGNATURE Paul M. Mounie TITLE District Operations Manager DATE June 12, 1974

(This space for Federal or State office use)

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

APPROVED BY SM TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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.

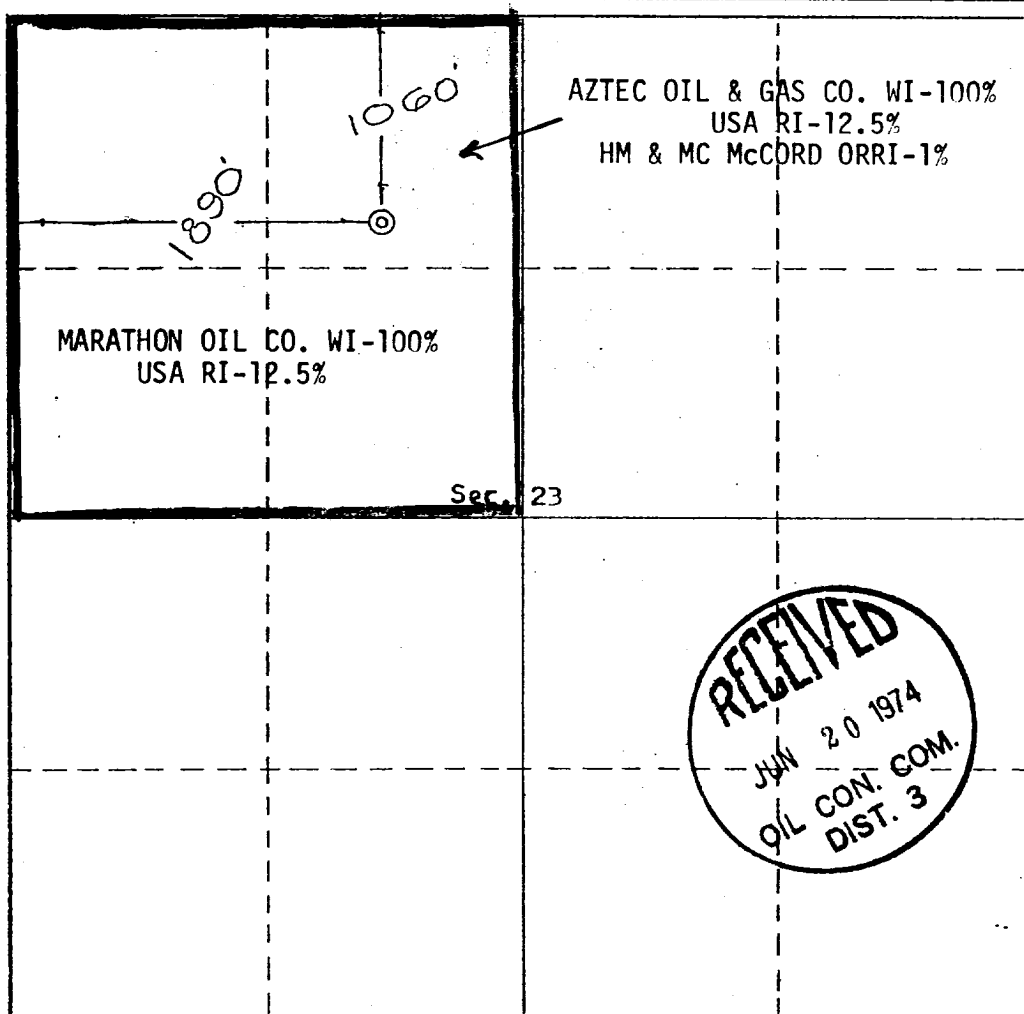
Operator <b>MARATHON OIL COMPANY</b>			Lease <b>Ohio "B" Aztec</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>23</b>	Township <b>28 North</b>	Range <b>11 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1060</b> feet from the <b>North</b> line and <b>1890</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5707</b>	Producing Formation <b>Fruitland Sand</b>	Pool <b>Kutz Fruitland</b>		Dedicated Acreage <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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**

STATE OF NEW MEXICO  
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.  
REGISTERED LAND SURVEYOR

Date Surveyed

**May 17, 1974**

Registered Professional Engineer and/or Land Surveyor

*E.V. Echohawk*

Certificate No. **3602**

**E.V. Echohawk LS**

