

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 552      Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface      1600' FSL & 1355' FWL  
 At proposed prod. zone      1600' FSL & 1355' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 10 miles South of Bloomfield

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1600' FSL & 1355' FWL

16. NO. OF ACRES IN LEASE  
 2081.82

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 300'

19. PROPOSED DEPTH  
 ±1980'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6254      6253.8' GR

22. APPROX. DATE WORK WILL START\*  
 July 1, 1989

5. LEASE DESIGNATION AND SERIAL NO.  
 USA-SF-080382-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 NIIP

7. UNIT AGREEMENT NAME  
 Kutz Canyon

8. FARM OR LEASE NAME  
 Schwerdtfeger C

9. WELL NO.  
 15-8

10. FIELD AND POOL, OR WILDCAT  
 Basin Fruitland Coal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 K  
 Sec 16, T27N, R11W

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 NM

22. APPROX. DATE WORK WILL START\*  
 July 1, 1989

This action is subject to technical and procedural review pursuant to 43 CFR 3165.4 and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
11"	8 5/8"	24#	250'	Surface
7 7/8"	5 1/2"	14#	1980'	300' sx Circ'd to Surface

RECEIVED

JUL 2 1989

OIL CON. DIV  
 EAST. 3

Propose to drill no deeper than 1980'

All casing will be cemented in accordance with Regulations and by approved methods

Blowout Prevention Equipment will be as outlined in Additional Information

See attached Additional Information for specific drilling operations

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 R.W. [Signature] FOR SLA TITLE Drilling Superintendent DATE 5/23/87

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

ok  
 [Signature]

APPROVED  
 AS A [Signature]  
 JUL 18 1989  
 [Signature]  
 AREA MANAGER

\*See Instructions On Reverse Side

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

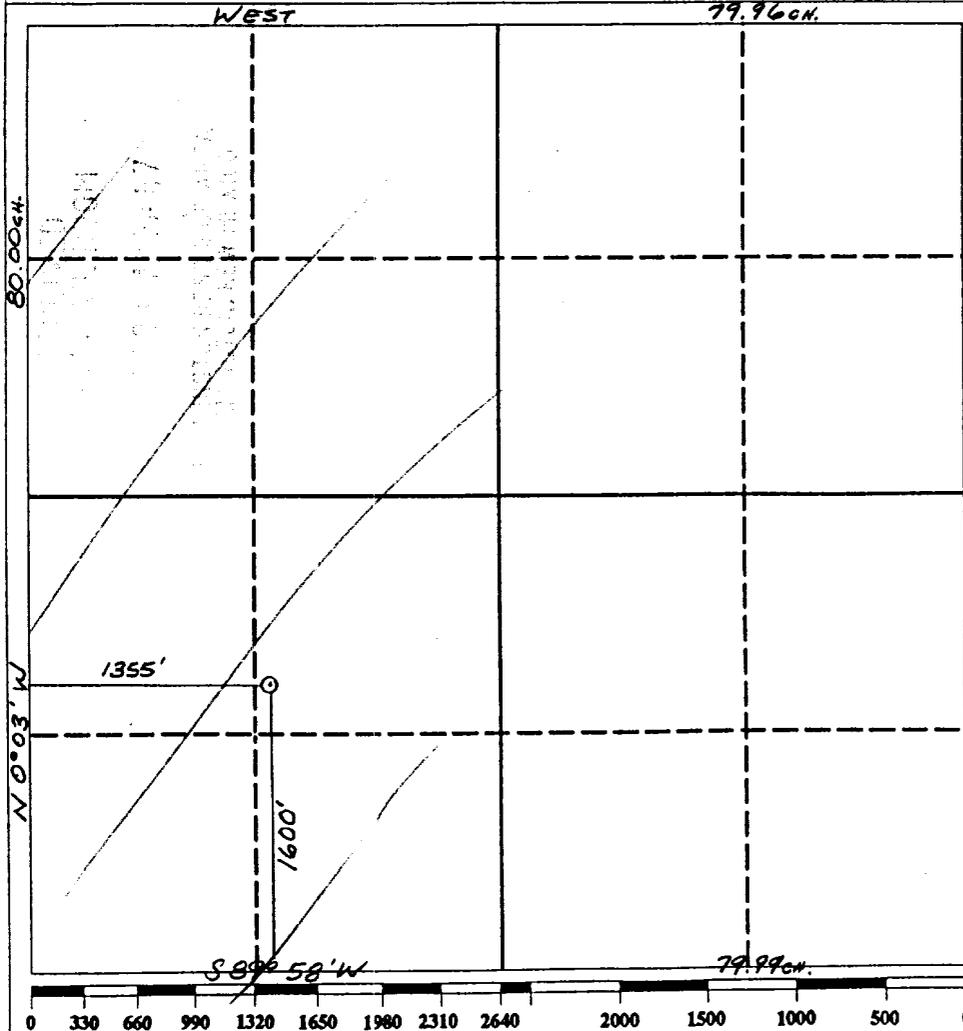
Operator <b>MARATHON OIL COMPANY</b>		Lease <b>SCHWERTFEGER C</b>		Well No. <b>15</b>
Unit Letter <b>K</b>	Section <b>16</b>	Township <b>27 N</b>	Range <b>11 W</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1600</b> feet from the <b>South</b> line and <b>1355</b> feet from the <b>West</b> line				
Ground level Elev. <b>6254</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal</b>	Dedicated Acreage: <b>320</b> Acres	

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

Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_

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 interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
 I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature  
*R. W. [Signature]* FOR S.L.A.

Printed Name  
**S. L. Atnipp**

Position  
**Drilling Superintendent**

Company  
**Marathon Oil Company**

Date  
**5/23/89**

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**SURVEYOR CERTIFICATION**  
 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  
**5-10-89**

Signature & Seal of Professional Surveyor  
**William E. Mahnke II**

Certification No.  
**8466**

*(Seal: WILLIAM E. MAHNKE II, NEW MEXICO, #8466, REGISTERED PROFESSIONAL LAND SURVEYOR)*

EXHIBIT "B"  
TOPOGRAPHIC MAP OF  
PROPOSED WELL SITE

