

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|   |  |  |   |  |
|---|--|--|---|--|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF-80382 A                           |  |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo                              |  |
| 2. NAME OF OPERATOR<br>Marathon Oil Company   |  |  | 7. UNIT AGREEMENT NAME<br>No assigned                                       |  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 552, Midland, TX 79702  |  |  | 8. FARM OR LEASE NAME<br>Schwerdtfeger 21                                   |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>1305' FSL & 1185' FWL<br>At proposed prod. zone<br>1305' FSL & 1185' FWL                                 |  |  | 9. WELL NO.<br>21-1   |  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>8.1 miles south of Bloomfield, NM  |  |  | 10. FIELD AND POOL, OR WILDCAT<br>Basin Fruitland Coal                      |  |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1185'   |  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 21, T-27-N, R-11-W |  |
| 16. NO. OF ACRES IN LEASE<br>320 2081.12  |  |  | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>1/320                             |  |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None on lease   |  |  | 20. ROTARY OR CABLE TOOLS<br>Rotary   |  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>6273' GR  |  |  | 22. APPROX. DATE WORK WILL START*<br>April 1, 1990                          |  |
| 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#             | 250'          | 175 sacks circ to surface |
| 7-7/8"       | 5-1/2"         | 15.5#           | 2020'         | 315 sacks circ to surface |

Propose to drill to TD of  $\pm 2020'$ .

All casing will be run and cemented in accordance with regulations and by approved methods.

Blowout prevention equipment will be as outlined in Additional Information.

See attached Multipoint Surface Use Plan and Additional Information for specific drilling operations.

RECEIVED  
MAY 21 1990  
OIL CON. DIV.  
DIST. 3

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 [Signature] TITLE Drilling Superintendent DATE 4/16/90  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMOCD

\*See Instructions On Reverse Side

MC 400 MC  
C 300

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-192  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

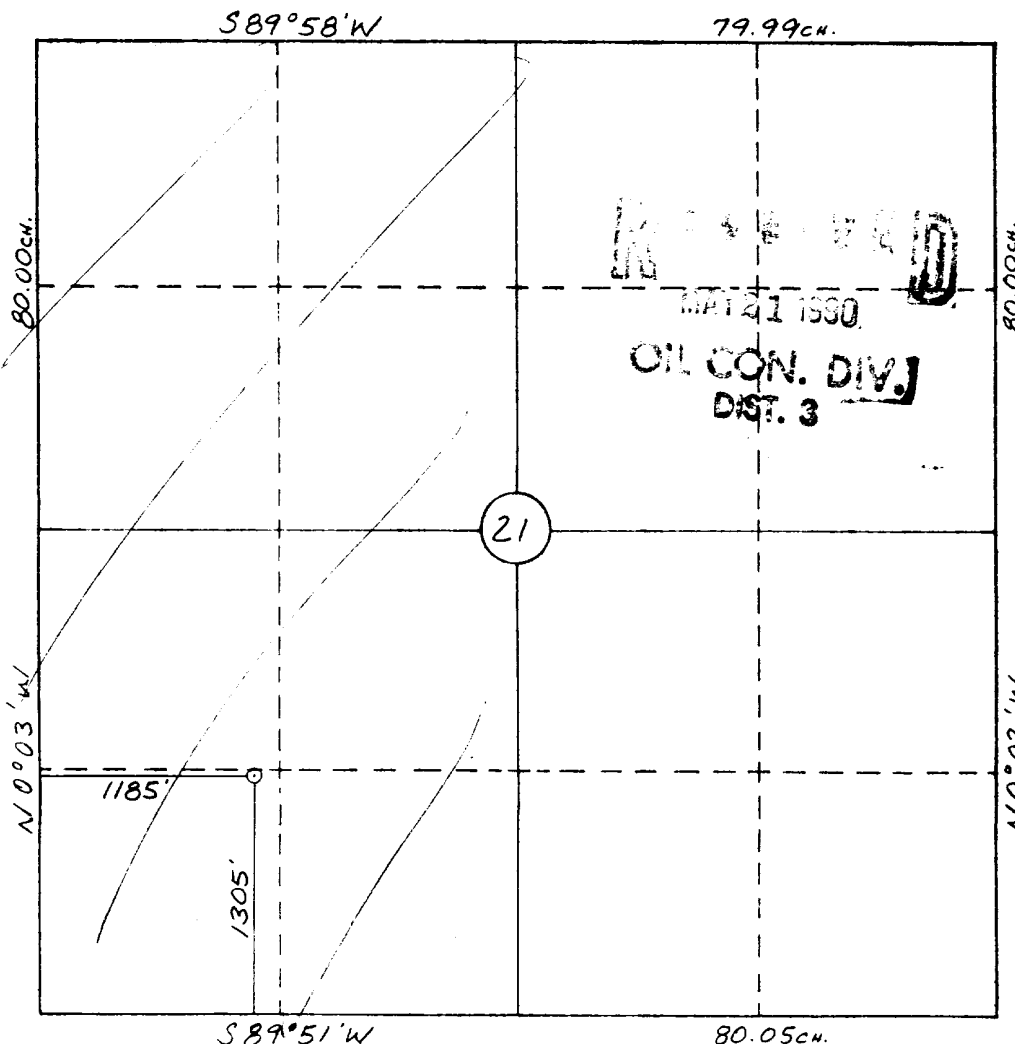
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|  |                                       |                              |                          |                                 |                  |
|--|---------------------------------------|------------------------------|--------------------------|---------------------------------|------------------|
| Operator<br>MARATHON OIL COMPANY   |                                       |                              | Lease<br>SCHWERTFEGER 21 |                                 | Well No.<br>21-1 |
| Unit Letter<br>M   | Section<br>21                         | Township<br>27 N             | Range<br>11 W            | County<br>San Juan              |                  |
| Actual Footage Location of Well:<br>1305 feet from the South line and 1185 feet from the West line   |                                       |                              |                          |                                 |                  |
| Ground level Elev.<br>6274   | Producing Formation<br>Fruitland Coal | Pool<br>Basin Fruitland Coal |                          | Dedicated Acreage:<br>320 Acres |                  |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>3. 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.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p> |                                       |                              |                          |                                 |                  |

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



OPERATOR CERTIFICATION

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

Signature  
S. L. Atnipp

Printed Name  
S. L. Atnipp

Position  
Drilling Superintendent

Company  
Marathon Oil Company

Date  
4/10/90

SURVEYOR CERTIFICATION

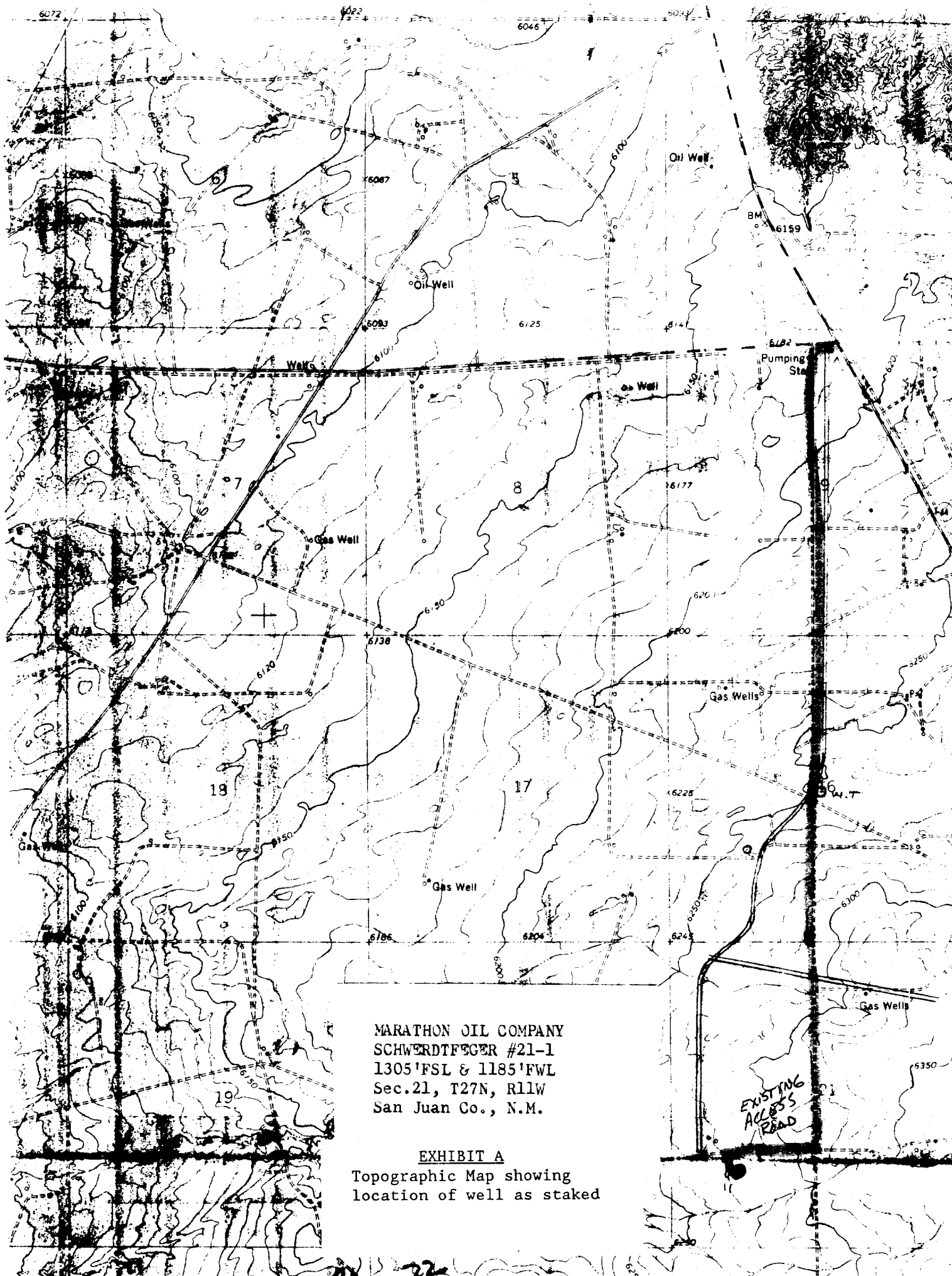
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

3-8-90

Date Surveyed  
William E. Mahnke II

Signature & Seal of Professional Surveyor

WILLIAM E. MAHNKE II  
REGISTERED PROFESSIONAL LAND SURVEYOR  
NEW MEXICO  
#8466



MARATHON OIL COMPANY  
SCHWERTFEGER #21-1  
1305'FSL & 1185'FWL  
Sec.21, T27N, R11W  
San Juan Co., N.M.

EXHIBIT A  
Topographic Map showing  
location of well as staked