

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

790' FNL & 790' FEL

At proposed prod. zone

790' FNL & 790' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8.1 miles south of Bloomfield, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

790'

16. NO. OF ACRES IN LEASE

320 2081.12

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320.54

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

None on lease

19. PROPOSED DEPTH

1950'

20. ROTARY OR CABLE TOOLS

Rotary

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

6082' GR This action is subject to technical review.

22. APPROX. DATE WORK WILL START*

April 1, 1990

23. PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE
and appeal pursuant to 43 CFR 3185.4. SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

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#	1950'	315 sacks circ to surface

Propose to drill to TD of $\pm 1950'$.

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

TITLE Drilling Superintendent

DATE

(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

APPROVED
AS AMENDED

MAY 16 1990

AREA MANAGER

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT 1

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

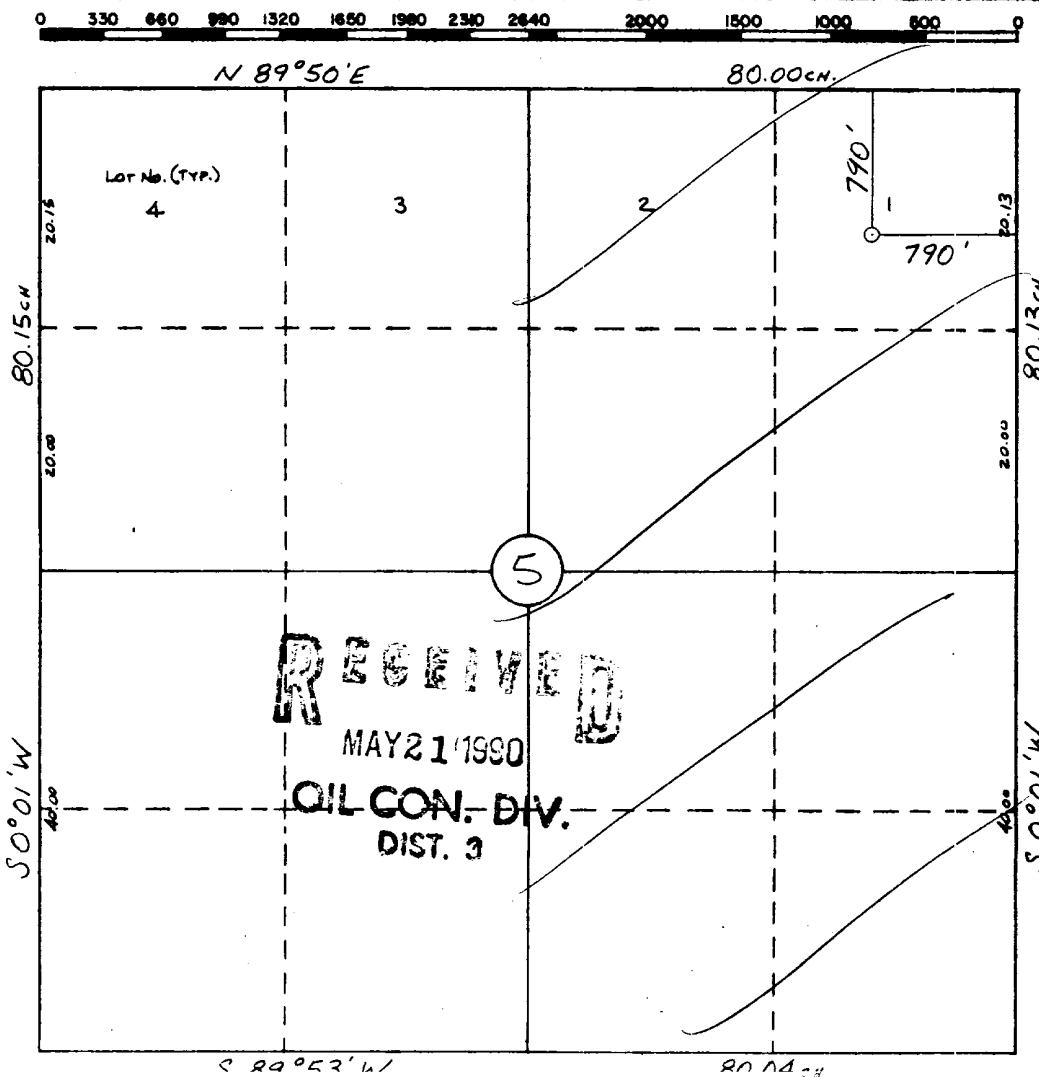
DISTRICT III

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 MARATHON OIL COMPANY		Lease SCHWERTFEGGER 5		Well No. 5-1
Unit Letter A	Section 5	Township 27 N	Range 11 W	County San Juan
Actual Footage Location of Well: 790 feet from the North line and 790 feet from the East line				
Ground level Elev. 6083	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal	Dedicated Acreage: 320.54 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.? <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>				



OPERATOR CERTIFICATION

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

Signature

Printed Name _____

S. L. Atnipp

Position:

Drilling Superintendent

Controversy

Marathon Oil Company

Date _____

SURVEYOR CERTIFICATION

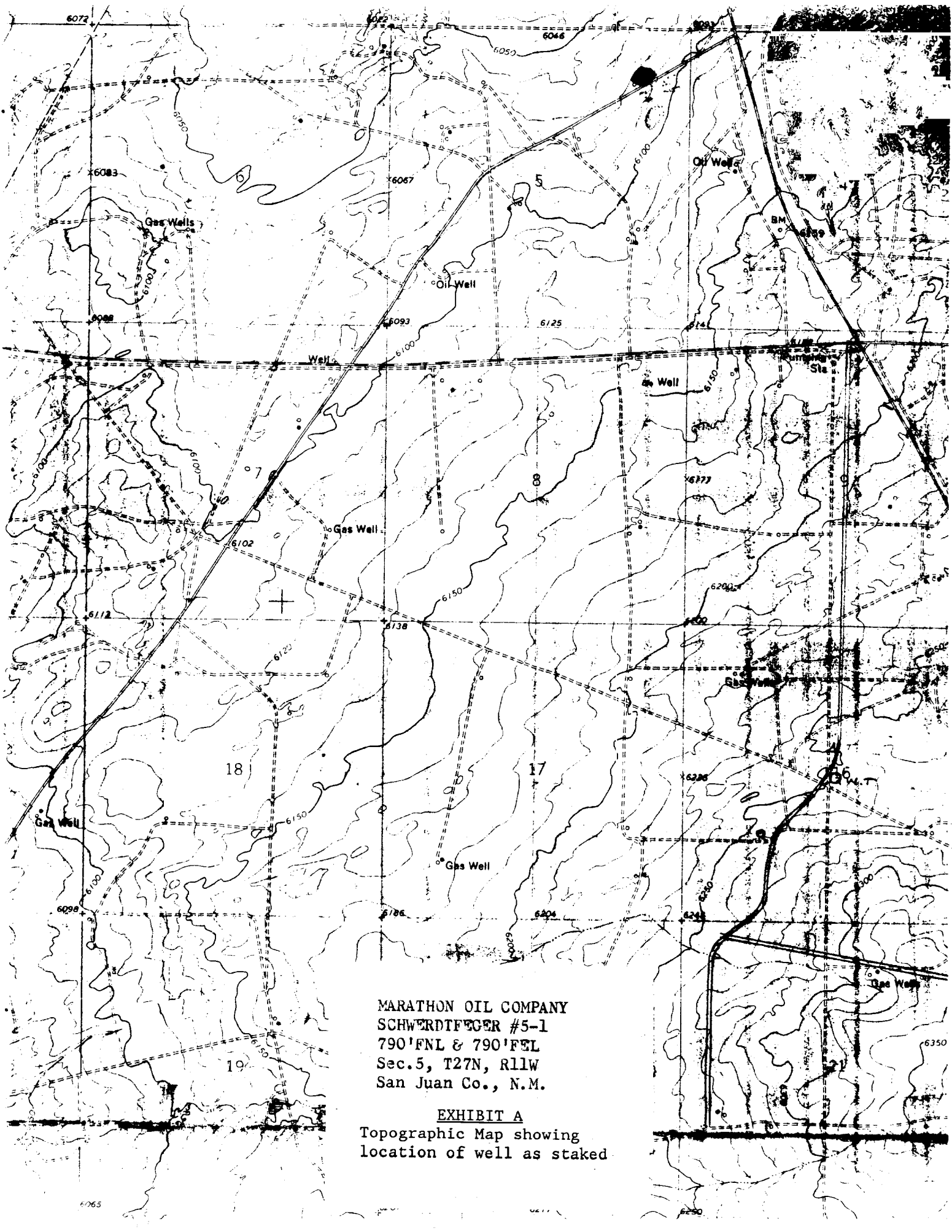
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

3-13-90

Date Surveyed

~~William F. M. Mahnke~~ II

Signature of School Professional Staff



A detailed topographic map showing the location of a well as staked. The map features contour lines with elevations ranging from 6025 to 6350 feet. A grid system is overlaid on the map, with section numbers 5, 7, 8, 17, 18, and 19 visible. Several wells are marked, including 'Gas Wells' and 'Oil Well'. A specific well location is indicated by a crosshair and labeled 'Well'. The map also shows various roads, trails, and other geographical features. The text at the bottom identifies the land as belonging to the Marathon Oil Company, specifically the Schwerdtfeger #5-1 lease, located in Section 5, T27N, R11W, San Juan Co., N.M.

MARATHON OIL COMPANY
SCHWERTDIFEGER #5-1
790'FNL & 790'FEL
Sec.5, T27N, R11W
San Juan Co., N.M.

EXHIBIT A
Topographic Map showing
location of well as staked