

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-045-28405

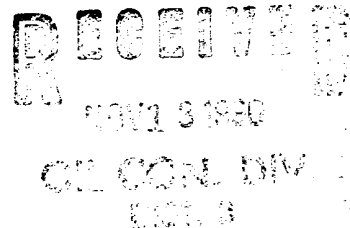
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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-078092
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input 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 552, Midland, TX 79702		8. FARM OR LEASE NAME Douthit Federal 35
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1190' FSL & 1195' FWL At proposed prod. zone 1190' FSL & 1195' FWL		9. WELL NO. 38-2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles south of Bloomfield, NM		10. FIELD AND POOL, OR WILDCAT Basin Fruitland
13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	16. NO. OF ACRES IN LEASE 2560	17. NO. OF ACRES ASSIGNED TO THIS WELL 320 W/2
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 2000' 1950'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. GL-6133 6421 PROPOSED CASING AND CEMENTING PROGRAM		22. APPROX. DATE WORK WILL START* Dec. 1, 1990
23. <p>ENTIRETY OF OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL INSTRUCTIONS"</p>		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT
12-1/4"	8-5/8"	24#
7-7/8"	5-1/2"	15.5#
SETTING DEPTH		QUANTITY OF CEMENT
350'		225 sx - circ to surface
1950'		400 sx - 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 applied as outlined in Additional Information. See attached Multipoint Surface Use Plan and 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 prevention program, if any.

24. SIGNED	TITLE Drilling Superintendent	DATE 11/2/90
(This space for Federal or State office use)		APPROVED AS AMENDED
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	DATE NOV 08 1990
CONDITIONS OF APPROVAL, IF ANY:	AREA MANAGER	

NMOCD

*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

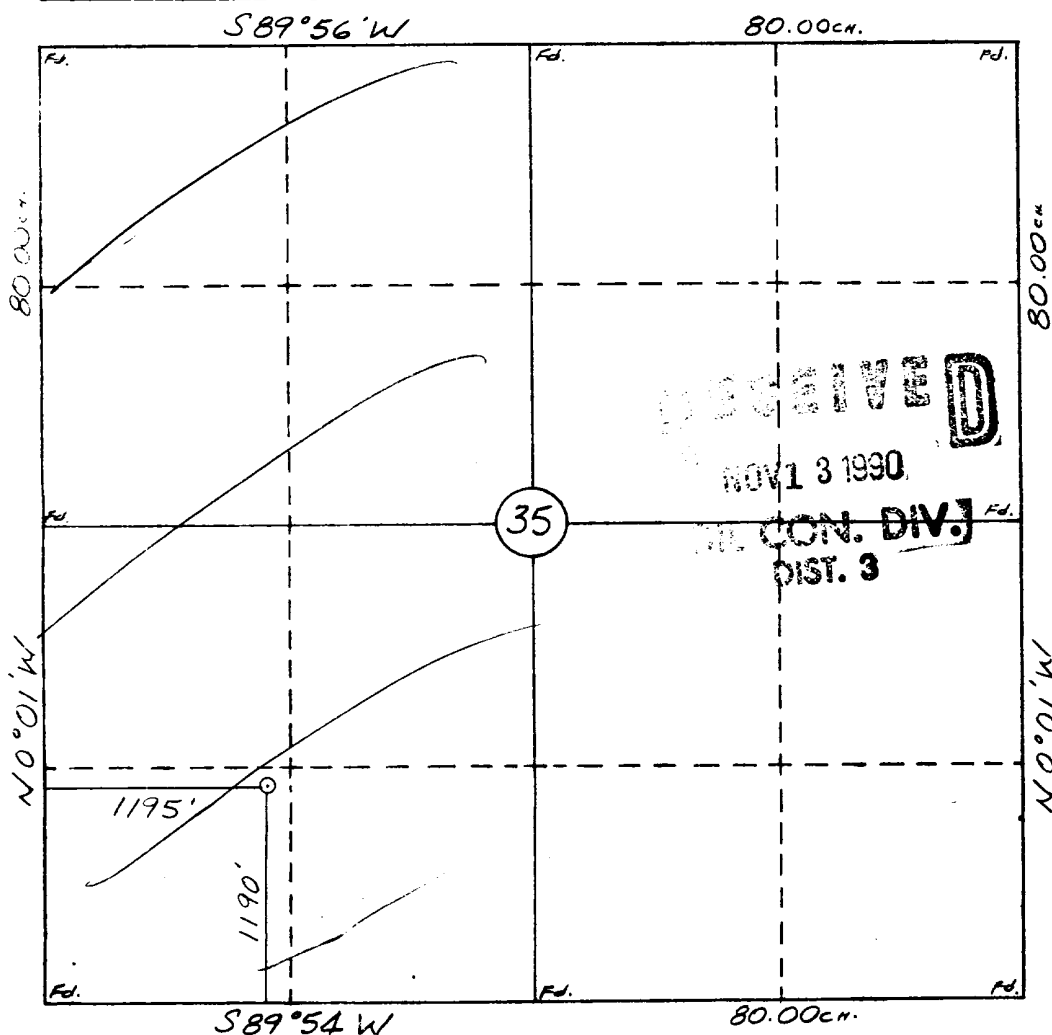
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MARATHON OIL COMPANY			Lease DOUTHIT FEDERAL 35		Well No. 35257
Unit Letter M	Section 35	Township 27 N	Range 11 W	County NMPM San Juan	
Actual Footage Location of Well: 1190 feet from the South line and 1195 feet from the West line					
Ground level Elev. 6421	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal	Dedicated Acreage: 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.? <input type="checkbox"/> Yes <input type="checkbox"/> 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.</p>					

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290



OPERATOR CERTIFICATION

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

Signature *[Signature]*
Printed Name **S. L. Atnipp**
Position **Drilling Superintendent**
Company **Marathon Oil Company**
Date **10/2/90**

SURVEYOR CERTIFICATION

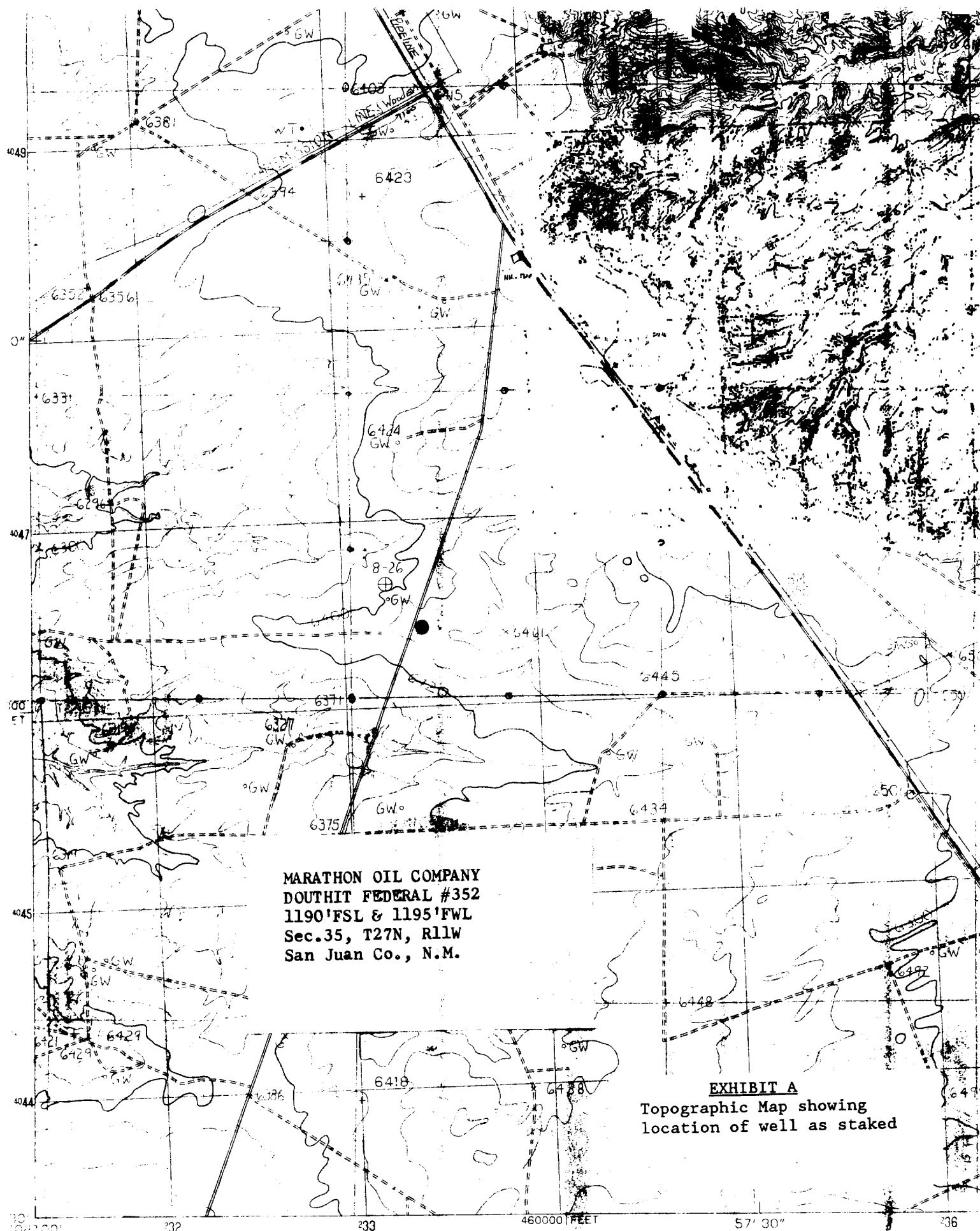
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

9-25-90

Date Surveyed
William E. Mahnke II

Signature & Seal of Professional Surveyor

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



MARATHON OIL COMPANY
 DOUTHIT FEDERAL #352
 1190'FSL & 1195'FWL
 Sec.35, T27N, R11W
 San Juan Co., N.M.

EXHIBIT A
 Topographic Map showing
 location of well as staked