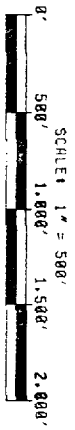


BEFORE THE OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

CASE NO. 10922
EXHIBIT NO. 2
SUBMITTED BY MARATHON OIL COMPANY
MARCH 3, 1994



MARATHON OIL COMPANY				
DENTON FIELD AREA LEA COUNTY, NEW MEXICO STRUCTURE MAP FROM SEISMIC TOP OF DEVONIAN				
D. REBENSTORF		C.I. = 100'		
DATE	REGION/RER	STATE/RATION	MAP NO.	
20-JAN-94	MID-CONT	NEW MEXICO	DENTON, MFD	

SOUTHWEST

A

MOC
DENTON
NO. 5



NEUTRON

PROPOSED HORIZONTAL WELL
(Dip: 84.5° N 30° E)

TOP OF DEVONIAN

"TIGHT"
CAP

TOP OF CURRENT
PERFORATIONS
MOC DENTON #3

MOC
DENTON
NO. 3



NEUTRON

T.D.

PRODUCTION TO DATE
2,870,694 BO
2,865,152 MCF
AS OF 12/93
DAILY PRODUCTION
267 BOPD
277 MCFD
1775 BWPD
AS OF 2/12/94

PRODUCTION TO DATE
1142,977 BO
451,686 MCFG
AS OF 9/93
INACTIVE

T.D.

LEASE
STAND-OFF

PRORATION UNIT BOUNDARY
MOC/DINERO LEASE CORNER

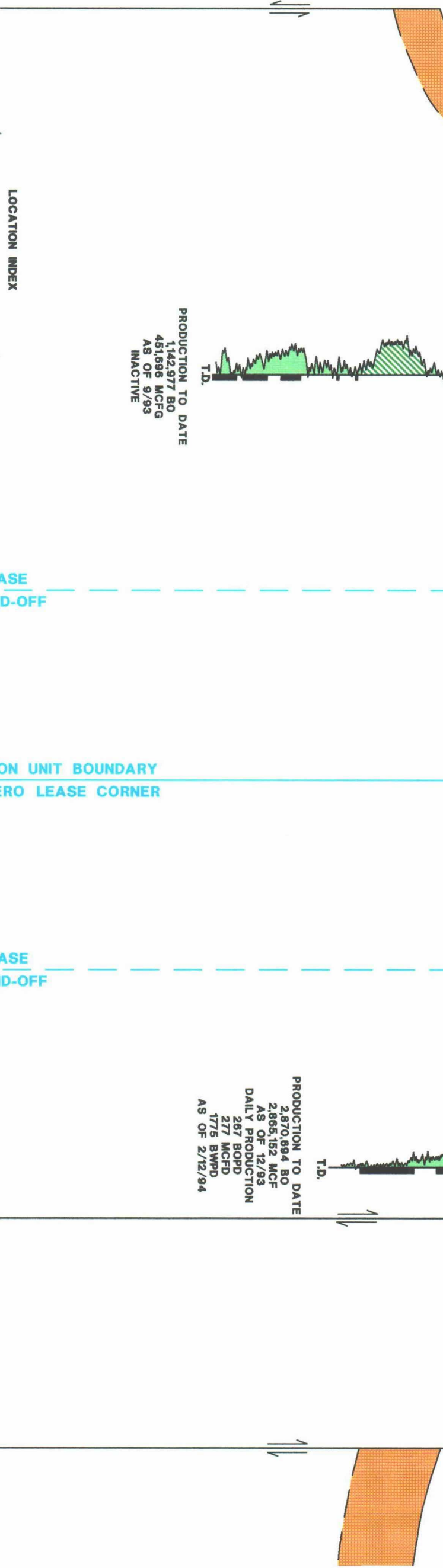
LEASE
STAND-OFF

SUBSEA
DEPTH

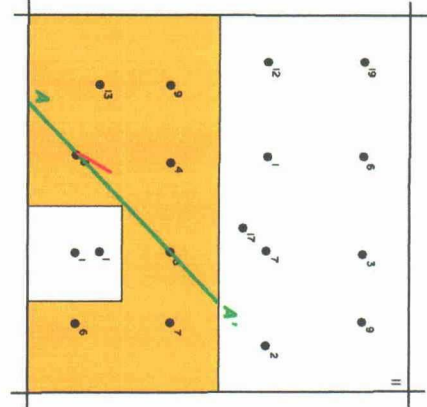
-7200
-7300
-7400
-7500
-7600
-7700
-7800
-7900
-8000
-8100
-8200
-8300
-8400
-8500
-8600
-8700
-8800
-8900
-9000

NORTHEAST

A'



LOCATION INDEX

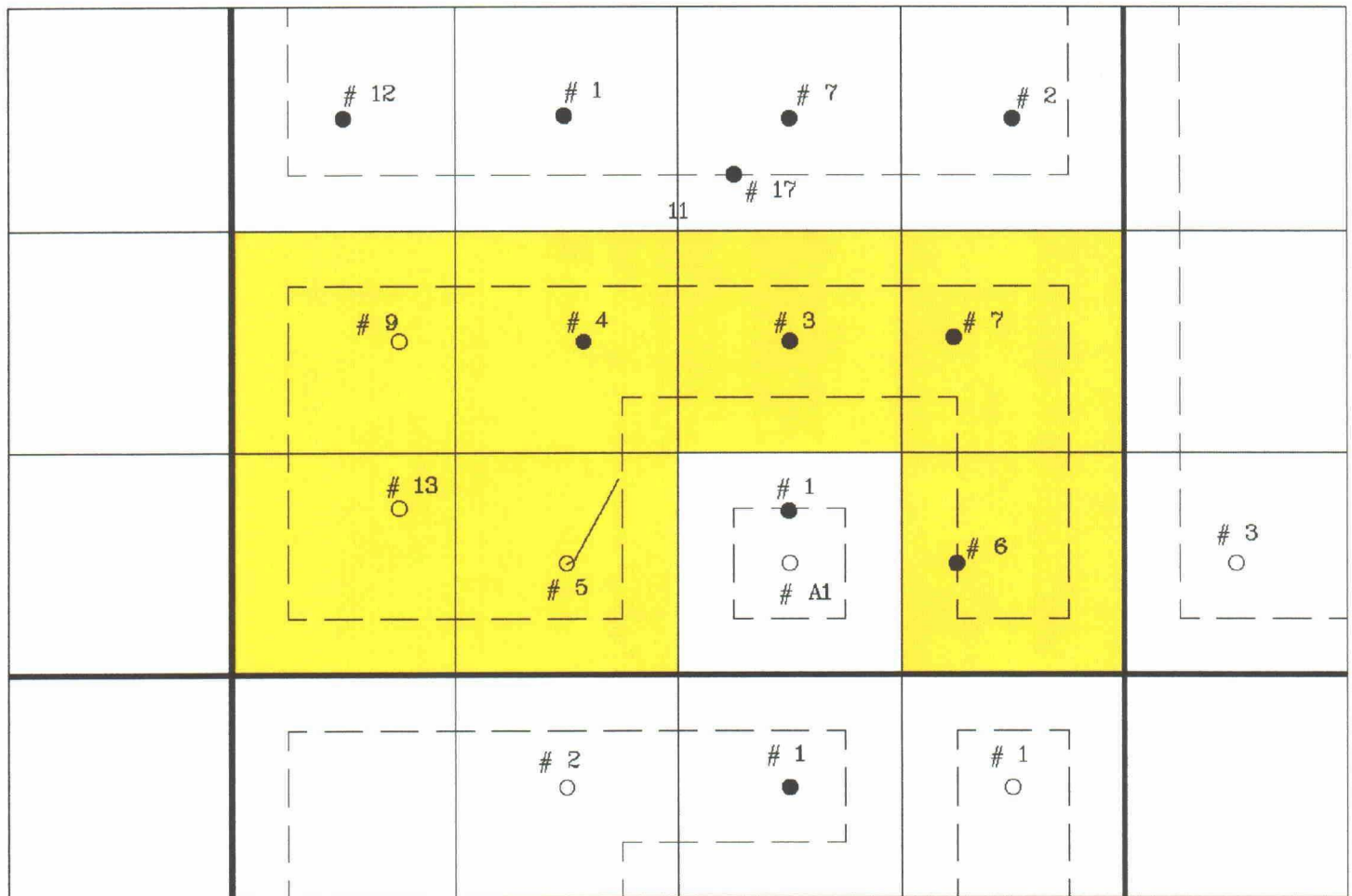


BEFORE THE OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO

CASE NO. 10922
EXHIBIT NO. 3
SUBMITTED BY MARATHON OIL COMPANY
MARCH 3, 1994

MARATHON OIL COMPANY		MID-CONTINENT REGION	
DENTON FIELD			
LEA COUNTY, NEW MEXICO			
STRUCTURAL CROSS-SECTION SHOWING PROPOSED MARATHON J.M. DENTON #5A SHORT RADIUS LATERAL SE SW 11-15S-37E			
ORIGINAL SCALE		DATE: 2/23/94	
AUTHOR: J. CHAPMAN		REVISED	
DRAFTED BY:		PROJECT:	
		FILE LOC. CAMP 15C EXPL	

T-15-S, R-37-E



Active Devonian Well



Inactive Devonian Well

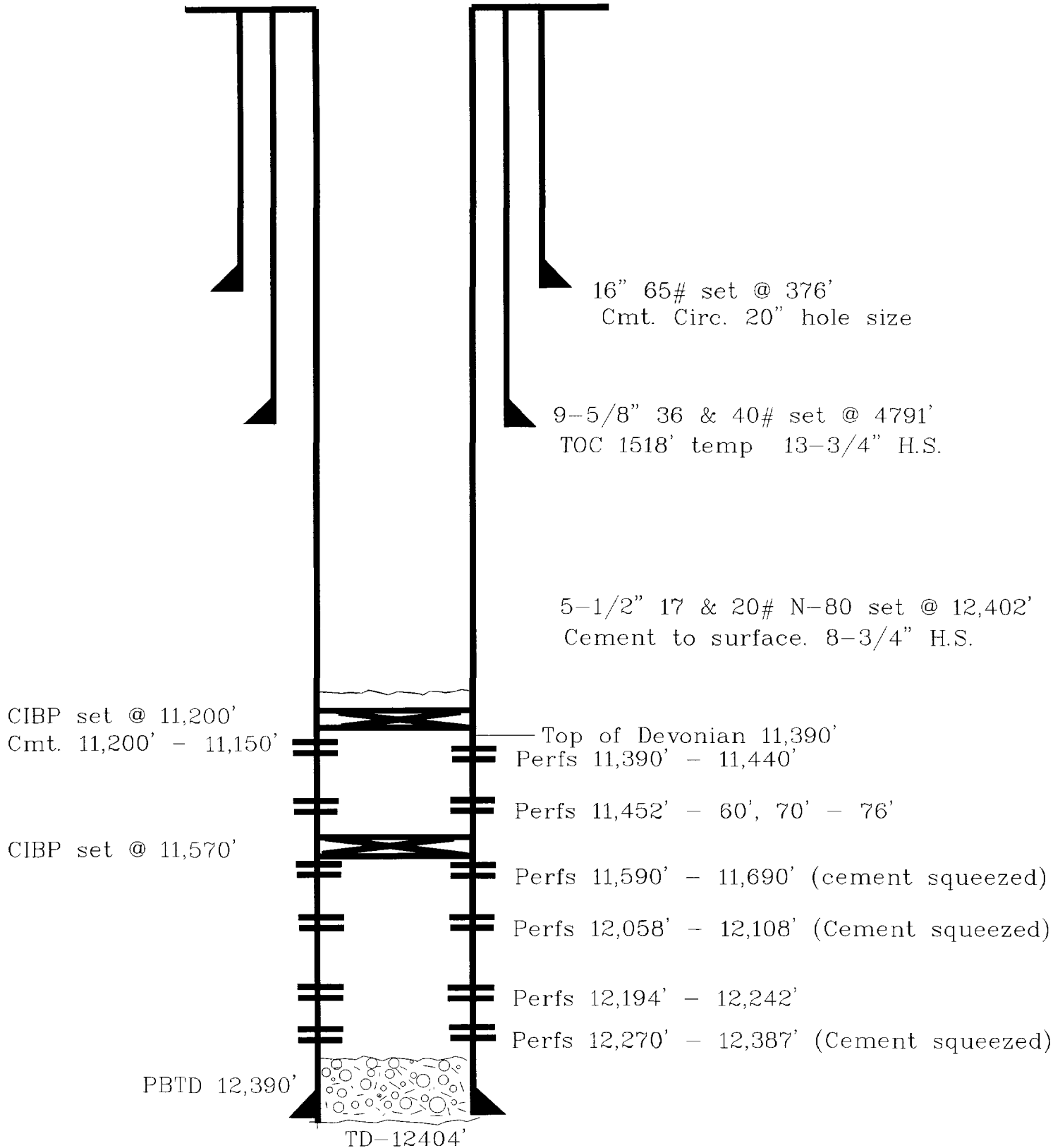
Before The Oil Conservation Division
Santa Fe, New Mexico

Case No. 10922
Exhibit No. 4
Submitted by Marathon Oil Company
March 3, 1994

MARATHON OIL COMPANY

J. M. Denton Lease

Lea County, New Mexico



Before The Oil Conservation Division
Santa Fe, New Mexico

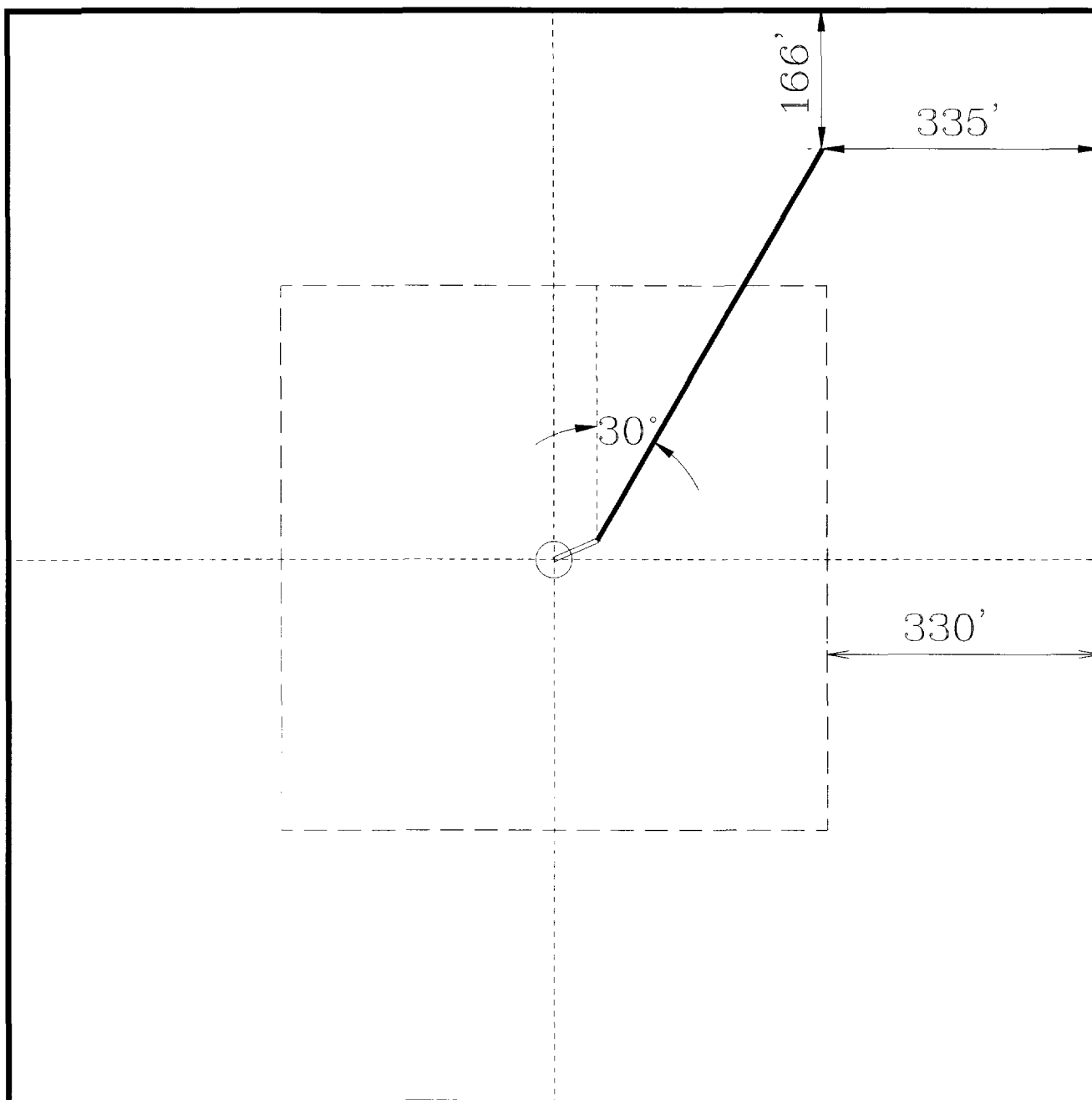
Case No. 10922
Exhibit No. 5
Submitted by Marathon Oil Company
March 3, 1994

MARATHON OIL COMPANY

DENTON (DEVONIAN) FIELD

Lea County, New Mexico

J. M. Denton No.5 Schematic



se sw Sec. 11, T-15-S, R-37-E

J. M. DENTON No. 5 PLAN VIEW

Before The Oil Conservation Division
Santa Fe, New Mexico

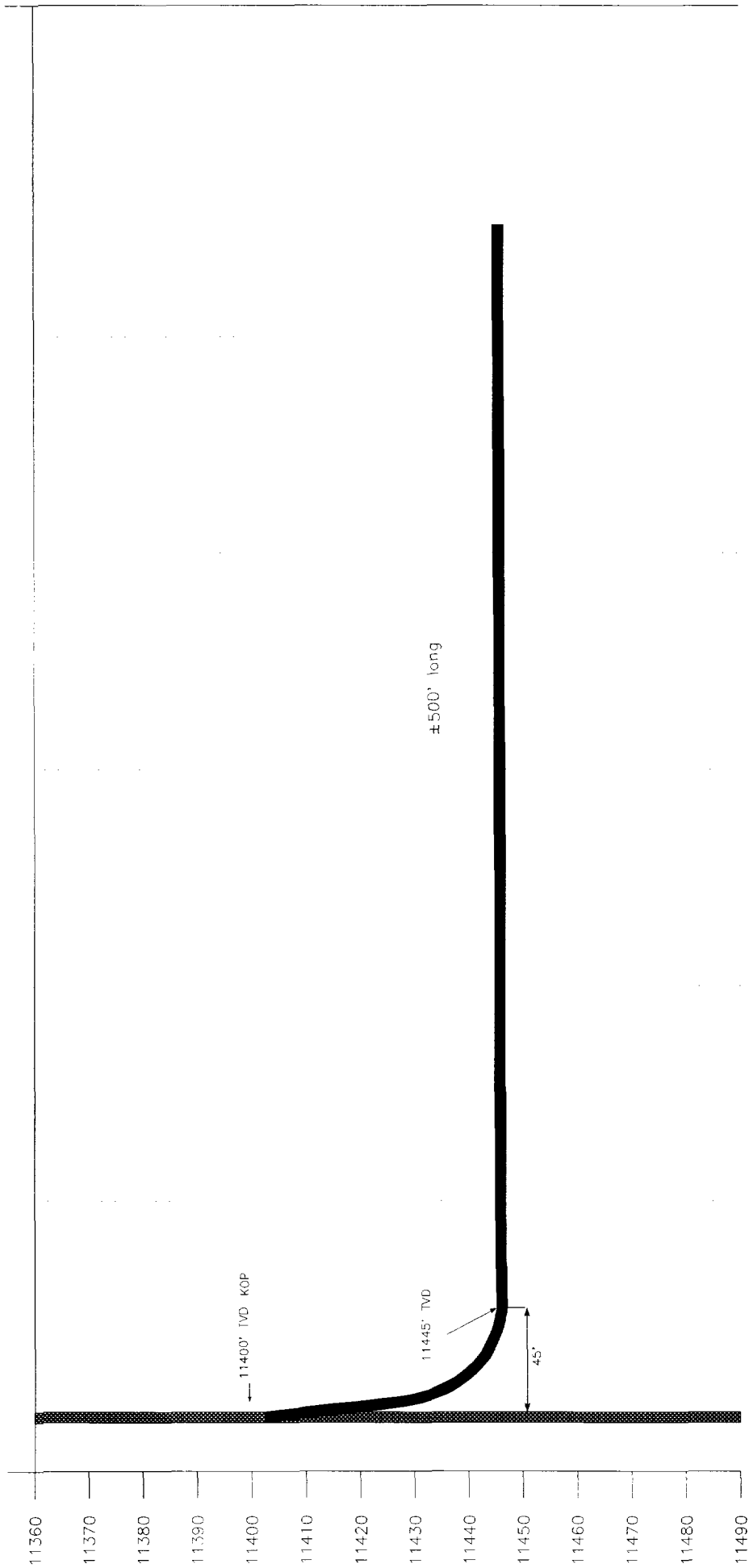
Case No. 10922

Exhibit No. 6

Submitted by Marathon Oil Company
March 3, 1994

MARATHON OIL COMPANY

J. M. Denton Lease
Lea County, New Mexico



VE=5

0 50 100
FEET

Before the Oil Conservation Division
Santa Fe, New Mexico

Case No. 10922

Exhibit No. Z

Submitted by Marathon Oil Company
March 3, 1994

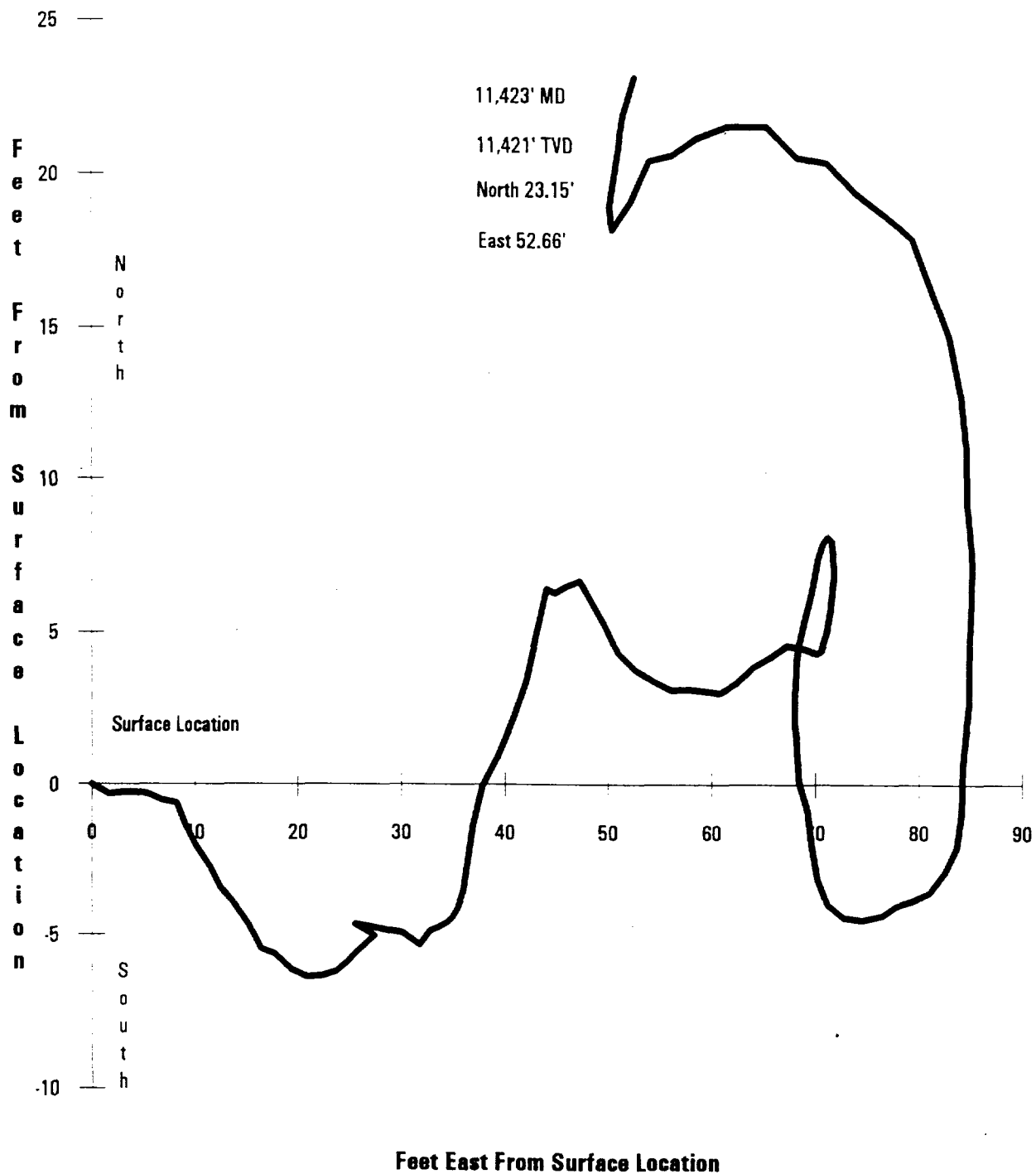
MARATHON OIL COMPANY

J. M. Denton No. 5
Lea County, New Mexico

SHORT RADIUS LATERAL PLAN

Denton # 5

Plane View



Before The Oil Conservation Division
Santa Fe, New Mexico

Case No. 10922

Exhibit No. 8

Submitted by Marathon Oil Company
March 3, 1994

MARATHON OIL COMPANY

J. M. Denton Lease

Lea County, New Mexico

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION
FOR THE PURPOSE OF CONSIDERING:

CASE NO. 10922

J.M. DENTON LEASE
APPLICATION OF MARATHON OIL COMPANY
FOR A HIGH ANGLE/HORIZONTAL DIRECTION
DRILLING PILOT PROJECT, SPECIAL OPERATING
RULES THEREFOR, INCLUDING A SPECIAL
PROJECT ALLOWABLE, LEA COUNTY, NEW MEXICO.

CERTIFICATE OF MAILING

AND

COMPLIANCE WITH ORDER R-8054

W. THOMAS KELLAHIN, attorney in fact and authorized representative of Marathon Oil Company, states that the notice provisions of Division Rule 1207 (Order R-8054) have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested parties entitled to receive notice, that on the 8th day of February 1994, I caused to be mailed by certified mail return-receipt requested notice of this hearing and a copy of the application for the above referenced case along with the cover letter, at least twenty days prior to the hearing set for March 3, 1994, to the parties shown in the application as evidenced by the attached copies of return receipt cards, and that pursuant to Division Rule 1207, notice has been given at the correct addresses provided by such rule.

W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 1st day of MARCH, 1994.


Notary Public

My Commission Expires:

June 9, 1997

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

02/08/94 - Marathon
Denton Lease

so that we can
back if space

I also wish to receive the
following services (for an extra
fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

does not permit.

- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Dinero Operating Company
P.O. Box 10505
Midland, Texas 79702

4a. Article Number

670 814 605

4b. Service Type

- | | |
|---|--|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991

★U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

670 814 605



Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Dinero Operating Company
P.O. Box 10505
Midland, Texas 79702

DATE OF	S
Certified Mail	
Restricted Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
02/08/94 - Marathon Denton Lease	

1800 June 1990

Is your RETURN ADDRESS completed on the reverse side?

02/08/94 - Marathon
Denton Lease

n so that we can

- Attach this form to the front or the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Polaris Production Corporation
P.O. Box 1749
Midland, Texas 79702-1749

4a. Article Number

670 814 603

4b. Service Type

- ☐ Registered ☐ Insured
- ☒ Certified ☐ COD
- ☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

FEB 10 1994

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

PS Form 3811, December 1991

☆U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

P 670 814 603



Certified Mail Receipt

No Insurance Coverage Provided

Do not use for International Mail

(See Reverse)

Polaris Production Corporation
P.O. Box 1749
Midland, Texas 79702-1749

Article Number	670 814 603
Article Description	
Article Weight	
Return Receipt Showing	
Return Receipt Showing to Whom	
Date & Address of Delivery	
Postage & Fees	\$
Postmark or Date	

300 June 1990

02/08/94 - Marathon
Denton Lease

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
02/08/94 - Marathon
Denton Lease

Attach this form to the front of the mailpiece, or on the back if space does not permit.

- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Pennzoil Exploration
& Production Company
P.O. Box 2967
Houston, Texas 77252-2967

4a. Article Number
670 814 601

4b. Service Type:
☐ Registered ☒ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
FEB 14 1994

5. Signature (Addressee)

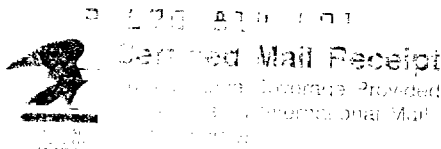
6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★ U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



Pennzoil Exploration
& Production Company
P.O. Box 2967
Houston, Texas 77252-2967

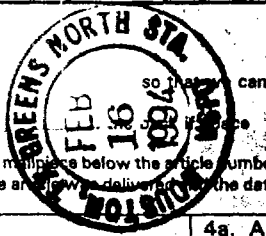
Postage	\$
Insurance	
Restricted Delivery Fee	
Postmaster's Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom & Address of Delivery	
TOTAL Postage & Fees	\$

02/08/94 - Marathon
Denton Lease

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

02/08/94 - Marathon
Denton Lease



does not permit.

- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Cody Energy, Inc.
16825 Nortcase Drive
Suite 1200
Houston, Texas 77060-6030

5. Signature (Addressee)

[Handwritten Signature]

6. Signature (Agent)

I also wish to receive the following services (for an extra fee):

- ☒ Addressee's Address
☒ Restricted Delivery

Consult postmaster for fee.

4a. Article Number

670 814 602

4b. Service Type

- ☐ Registered ☐ Insured
☐ Certified ☒ COB
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

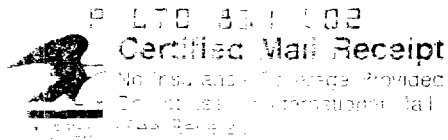
2/16-94

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 *U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



Cody Energy, Inc.
16825 Nortcase Drive
Suite 1200
Houston, Texas 77060-6030

3

To: [Address]	
From: [Address]	
Postage: [Amount]	
Total: [Amount]	
Date of Delivery: [Date]	
Signature: [Signature]	
Initials: [Initials]	
Date: [Date]	
Time: [Time]	
Location: [Location]	
Remarks: [Remarks]	

100 June 1990

C2/08/94 - Marathon
Denton Lease