

NOTE: ONLY WELLS PENETRATING DEVONIAN SHOWN

Before The
Oil Conservation Division
Santa Fe, New Mexico
Case Nos. 11163 & 11164
Marathon Oil Company Exhibit No.
December 15, 1994

MARATHON OIL COMPANY

MID-CONTINENT REGION

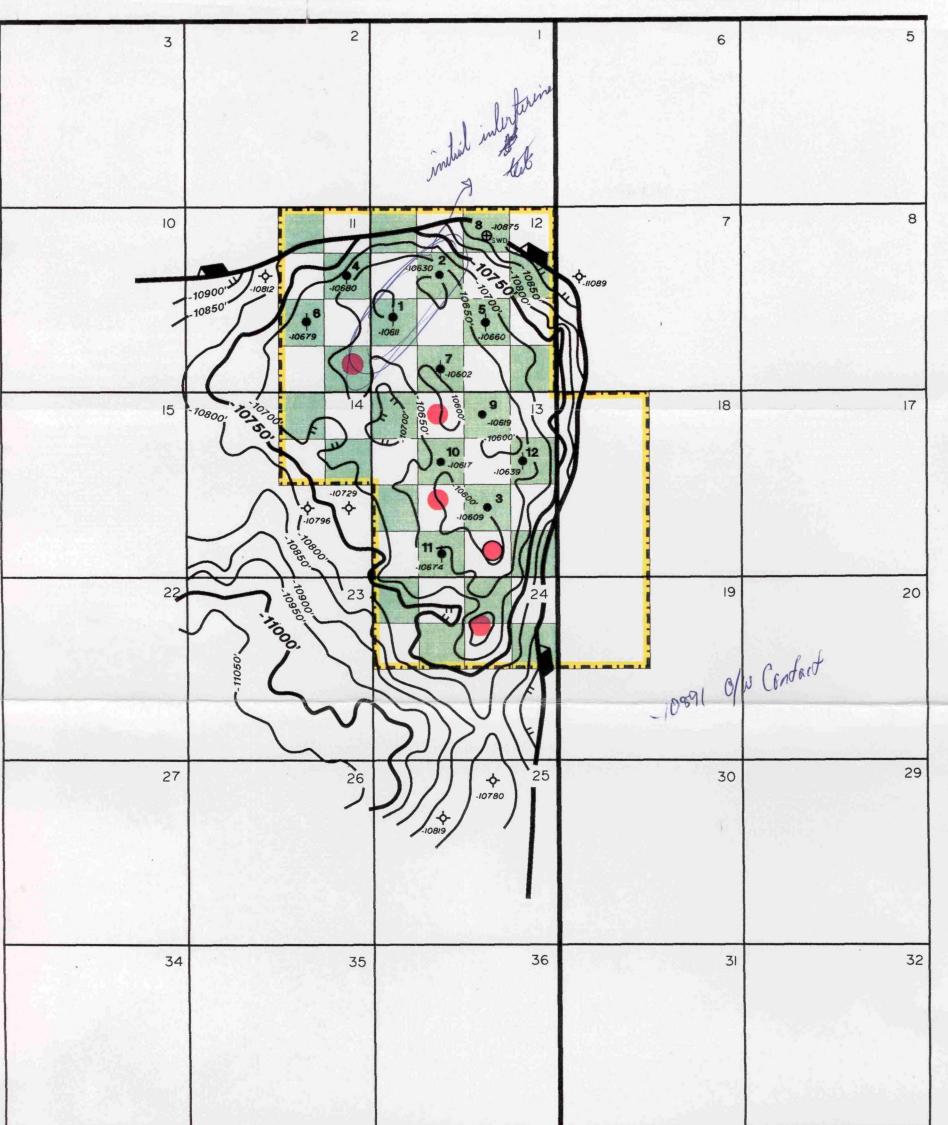
LEA UNIT

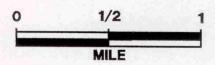
LEA COUNTY, NEW MEXICO

TOP OF DEVONIAN STRUCTURE MAP

C.I. = 50'

CONTRACTOR OF THE PROPERTY OF	The Arrange of Market the second residence and the second residence and the second residence and the second residence
ORIGINAL SCALE: I" = 2000"	DATE: 8/94
AUTHOR: D.REBENSTORF, A.PARSONS	REVISED: 12/94
DRAFTED BY:	PROJECT:
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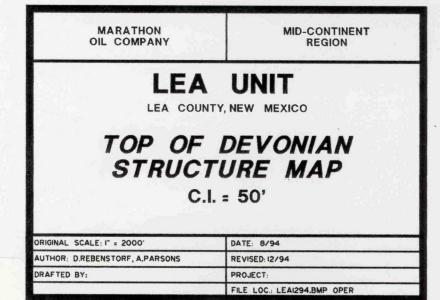


POTENTIAL DEVONIAN LOCATIONS

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LEGAL LOCATIONS UNDER CURRENT FIELD RULES

Before The
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Oil Conservation Division
Santa Fe, New Mexico
Case Nos. 2009 & 11164
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December 15, 1994 Before The CUM: 9 MBO OH 14,371 - 14,454° FLOW 71 BOPD NACTIVE LEA UNIT #11 N-13-20S-34E K.B. 3679 30 MBW 12 MMCFG **78 BWPD** PROJECTED T.D. -10,820 CUM: 990 MBO 16,812 MBW CAMMA RAY CURRENT RATE: 30 BOPD PERF: 14,290 - 14,350' BP 14,370 OWWO 6-20-75 PERF: 14,380 - 14,388' FLOW 517 BOPD J-13-20S-34E K.B. 3677 565 MMCFG A/500 4,048 BWPD **62 MCFGPD** NEUTRON PERF: 14,345 - 14,351' FLOW 151 BOPD 119 BWPD CUM: 258 MBO LEA DEEP UNIT #12 H-13-20S-34E K.B. 3693' 10,037 MBW INACTIVE A/1000 249 MMCFG ABND WOODFORD SHALE EST. ORIGINAL OWC NOV 8 1994 DATUM -10,600' MAIN POROSITY -10,850 FIRST POROSITY LEA UNIT DEVONIAN **LEA UNIT #17 PROGNOSIS** DEVONIAN LEA COUNTY, NEW MEXICO CROSS SECTION STRUCTURAL MARATHON OIL COMPANY MID-CONTINENT REGION A L PARSONS

MARATHON

MARATHON

LEA UNIT #17 MARATHON

MARATHON

LEA DEVONIAN POOL

Background

Discovery:

July, 1960

Current Status:

4 Active Producers

7 SI or Abandoned Wells

Current Production:

173 BOPD

185 MCFPD

7,925 BWPD

Average Well Depth:

14,400 Feet

Discovery Pressure (7/60):

6,065 **PSIA** @ -10,744' ss

Current Pressure:

5,280 PSIA @ -10,744' ss

Bubble Point Pressure:

567 PSIA

Solution GOR:

275 SCF/STB

Average Porosity:

6.50%

Average Permeability:

52.3 md

Average Water Saturation:

34.80%

Drive Mechanism:

Bottom Water Drive

Estimated Orginal O/W Contact:

-10,845' ss

Orginal Oil in Place:

24,842 MSTB0

Primary Recovery:

8,282 MSTBO

(Decline Curve Analysis)

Percent OOIP:

33.70%

Before The

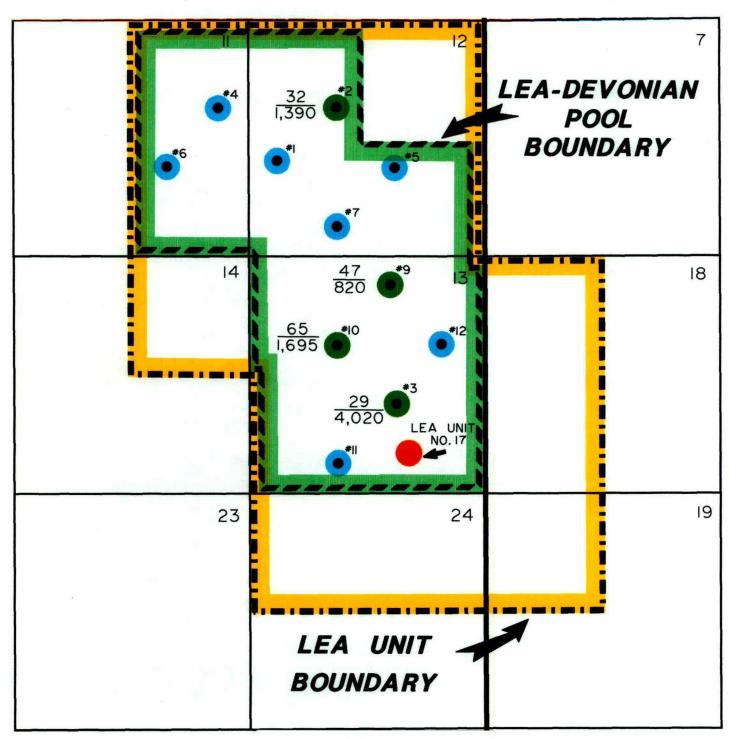
Oil Conservation Division Santa Fe, New Mexico

Case No.

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MARATHON OIL COMPANY MID-CONTINENT REGION

LEA UNIT

ACTIVE DEVONIAN PRODUCER

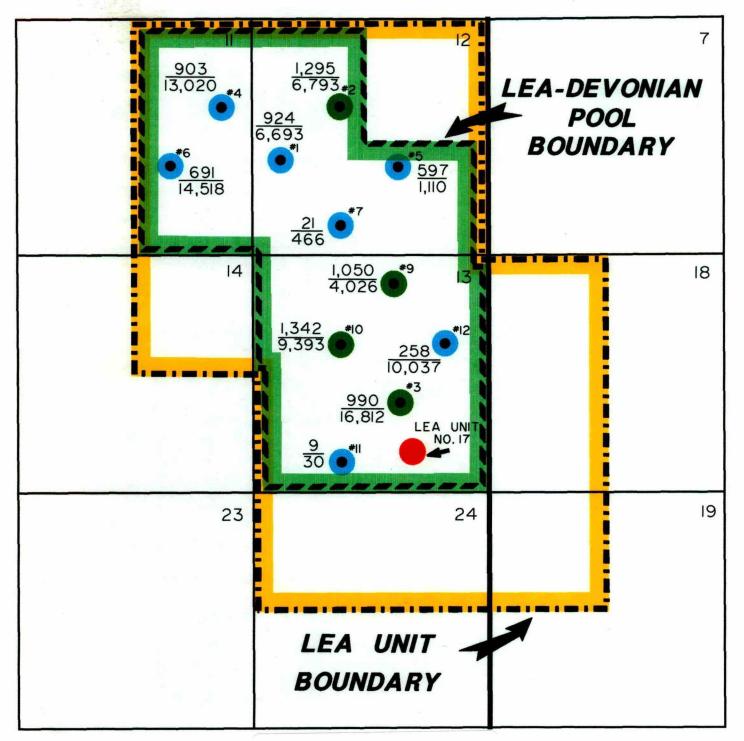
PROPOSED LOCATION

HISTORIC DEVONIAN PRODUCER

1,050 4,026

BOPD BWPD AVERAGE DAILY PROD.

LEA-DEVONIAN POOL





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MARATHON OIL COMPANY MID-CONTINENT REGION

LEA UNIT

CUMULATIVE PRODUCTION

ACTIVE DEVONIAN PRODUCER

PROPOSED LOCATION

HISTORIC DEVONIAN PRODUCER
1,050 CUM MBO

CUM MBW

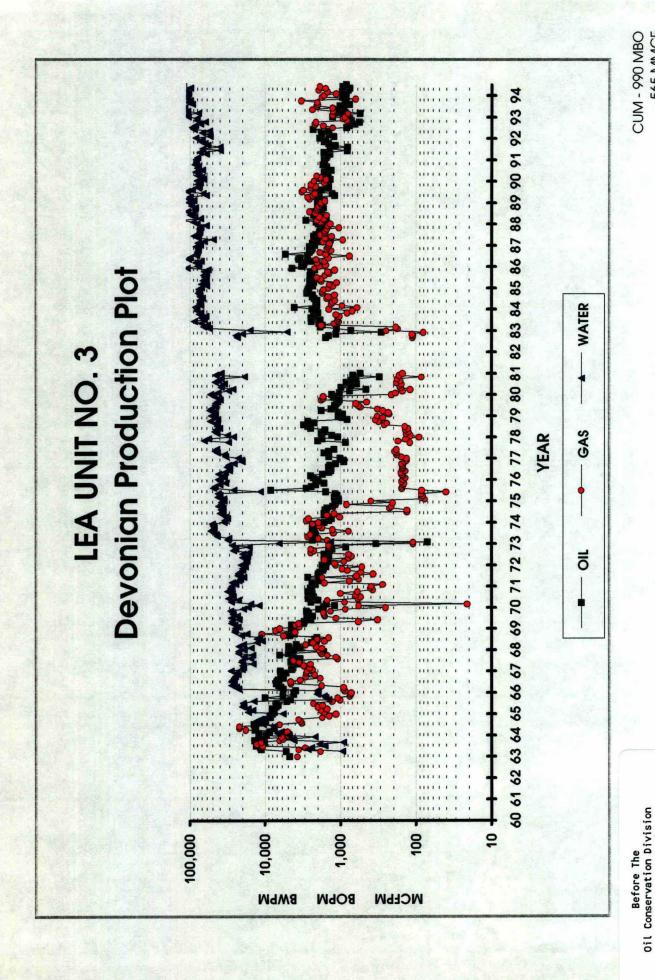
LEA-DEVONIAN POOL

4,026

WELL PERFORMANCE LEA UNIT DEVONIAN LEA COUNTY, NEW MEXICO

	WATER-FREE) *	**CUMULATIVE*	* *	**REMA	*REMAINING**	₩ *	*EUR**
WELL NAME	PRODUCTION DATES	MBO	MMCF	MBW	MBO	MMCF	MBO	MMCF
LEA UNIT NO. 1	JUL 60 to JUL 61 (12 MOS.)	924	294	6,693	0	0	924	294
LEA UNIT NO. 2	MAR 61 to MAR 62 (12 MOS.)	1,295	622	6,793	21	2	1,316	632
LEA UNIT NO. 3	JAN 63 to APR 63 (3 MOS.)	990	565	16,812	17	10	1,007	575
LEA UNIT NO. 4	APR 61 to JUL 61 (4 MOS.)	903	376	13,020	0	0	903	376
LEA UNIT NO. 5	JUN 61 to 0CT 63 (29 MOS.)	283	180	1,110	0	0	597	160
LEA UNIT NO. 6	DEC 61 to DEC 62 (12 MOS.)	691	373	14,518	0	0	691	373
LEA UNIT NO. 7	JAN 79 at 96% WATER CUT	21	7	466	0	0	21	7
LEA UNIT NO. 9	JUL 62 to MAR 63 (9 MOS.)	1,050	423	4,026	74	30	1,124	453
LEA UNIT NO. 10	JUN 63 to JAN 64 (7 MOS.)	1,342	514	9,393	93	36	1,435	550
LEA UNIT NO. 11	NOV 63 to JAN 64 (3 MOS.)	6	12	30	0	0	တ	12
LEA UNIT NO. 12	MAR 8 at 44% WATER CUT	<u>258</u>	249	10,037	O	0	258	249
TOTAL		8,080	3,595	82,898	205	85	8,285	3,680

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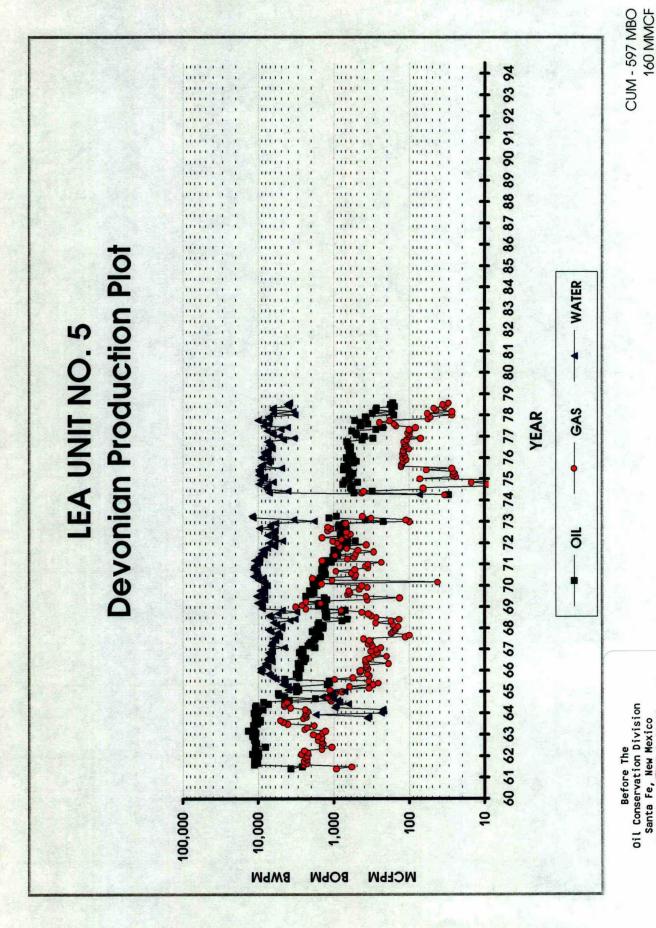


565 MIMCF 16,812 BMW

12/13/94

Santa Fe, New Mexico Case Nos. 11163 & 11164 Marathon Oil Company Exhibit No.

December 15, 1994



12/13/94

CUM - 597 MBO 160 MMCF 1,110 MBW

Case Nos. 41163-& 11164
Marathon Oil Company Exhibit No.
December 15, 1994

BEFORE EXAMINER STOGNER

OIL CONSERVATION DIVISION

MARATHUM EXHIBIT NO. _/ 0

CASS NO. THE PROPERTY

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. 11163 and 11164

Application of MARATHON OIL COMPANY for an Unorthodox Oil Well Location and Simultaneous Dedication 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 18th day of November, 1994 I caused to be sent, by certified mail return receipt requested, notice of this hearing and a copy of the application for the referenced case along with the cover letter, at least twenty days prior to the hearing set for December 15, 1994, to the parties shown in the application as evidenced by the attached copies of 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 on this 1/2th day of December, 1994.

Notary Public

My Commission Expires: June 15th, 1998

SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, and 4a & b. Print your name and address on the reverse of this form so the return this card to you. Attach this form to the front of the mailpiece, or on the back does not name Writt Marathon/Lea-Devonian The I November 18, 1994 3. Article Addressed to: Ross Family Trust PO Box 86 Midland, Texas 79702	, iee,	Receipt for Certified Mail No Insurance Coverage Provided Do not use for International Mail (See Reverse) Ross Family Trust PO Box 86 Midland, Texas 79702
5		50 Seturn Receipt Snowing 50 Mnon-& Date Delivered
PS Form 3811 , December 1991 *U.S. GPO: 1993—35	DOMESTIC RETURN RECEIPT	Seturic Peceral Snowing to Whom, Date and Addressee's Address
SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, and 4a & b. Print your name and address on the reverse of this form so to return this card to you. Attach this form to the front of the mailpiece, or on the back does not not the services. VMarathon/Lea-Devonian November 18, 1994) ice).	Receipt for Certified Mail No Insurance Coverage Provided Do not use for International Mail (See Reverse)
3. Article Addressed to: DEVON ENERGY CORPORATION 1500 Mid-America Tower 20 North Broadway Oklahoma City, OK 73102-8260 Attn: Steve Blair	4a. Article Number 32	DEVON ENERGY CORPORATION 1500 Mid-America Tower 20 North Broadway Oklahoma City, OK 73102-8260 Attn: Steve Blair
5. Signature (Addressee) 5. Signature (Agent) 7. Signature (Addressee)	8. Addressee's Address (Only if requested and fee is paid)	P 321 036 969 Receipt for
PS Form 3811, December 1991 *U.S. GPO: 1993—34	2-714 DOMESTIC RETURN RECEIPT	Certified Mail No Insurance Coverage Provide Do not use for International Ma
SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that return this card to you. • Attach this form to the front of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the mailpiece, or on the back in the complete of the print of the p	space 1. Addressee's Address cle number. 2. Restricted Delivery Consult postmaster for fee.	PENNZOIL PETROLEUM COMPANY POB 2967 Houston, TX 77252-2967 Attn: Wayne Wisniewski
* Attach this form to the front of the mailpiece, or on the back it does with Marathon/Lea-Devonian Thousand Th	4a. Article Number 32/03/4b. Service Type N Registered Insured Certified COD Express Mail Return Receipt for Merchandise 7. Date of Delivery 1994	Festivated Delivery Fee Festivated Delivery Fee Petian Secent Unawing 15 When S Date Jenivered Fetian Releast Showing to Whom Date and Addresses & Address COTAL Postage
3 Noblike	8. Addressee's Address (Only if requested and fee is paid)	Postmark or Date Marathon/Lea-Devonian November 18, 1994
PS Form 3811, December 1991 &U.S. GPO: 1993 -352	-714 DOMESTIC RETURN RECEIPT	

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return this card to you.		fee): 1. Addressee's Address		
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Dallas, Texas 75225	7. Dat	e of Delivery	Lock Box 33 Dallas, Texas 75225	
AD		11-31-94	Dallas, Texas 75225	
5. Signature (Addressee)	8. Add	Iressee's Address (Only if requested		,
5. Signature (Addressee) 6. Signature (Agent)	and	fee is paid)	Special Delivery Fee	
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PS Form 3811, December 1991 *U.S. GPO: 1993-3	352-714 D	OMESTIC RETURN RECEIPT	to Whom & Date Delivered	
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			Date, and Addressee's Address	
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			Postmark or Date Marathon/Lea-Devonia	20
			November 18, 1994	211
SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, and 4a & b. Print your name and address on the reverse of this form so to	hat we can	I also wish to receive the following services (for an extra 6) fee):	b 357 03	36 97O
© return this card to you.		fee): 2	Receipt :	for
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Midland, TX 79702	□ Ехрі	ess Mail MReturn Receipt for Merchandise	Attn: Scott Gutberlet	
Midland, TX 79702 Attn: Scott Gutberlet	7. Date	of Delivery	Attii. Scott dutbellet	
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