

DISTRICT I
1000 Brazos Rd. Hobbs, NM 88241 1980

DISTRICT II
511 South First St. Artesia NM 88210 2835

DISTRICT III
1000 R. Brazos Rd. Aztec, NM 87410 1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS
☒ Administrative ☐ Hearing
EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc. 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500
Address

Newberry A 4 E Section 34, T-32-N, R-12-W, H San Juan
Lease Well No Unit Ltr Sec Twp Rge County

OGRID NO 005073 Property Code API NO. 30-045-24592 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4720-5930'		7232-7431'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure	a. (Current) 443		a. 643
Oil Zones - Artificial Lift: Gas & Oil - Flowing: Art Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	b.(Original) 1217	b.	b. 2007
6. Oil Gravity (*API) or Gas BT Content	1200		N/A
7. Producing or Shut-In?	To be Completed		Producing
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates	Date Rates
Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Production to be allocated by Subtraction - See Attached table		Est 1/98 19 MCFD, 0 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula - % of each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? Yes ☒ No ☒
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No ☐
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No ☐

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) _____

16. ATTACHMENTS

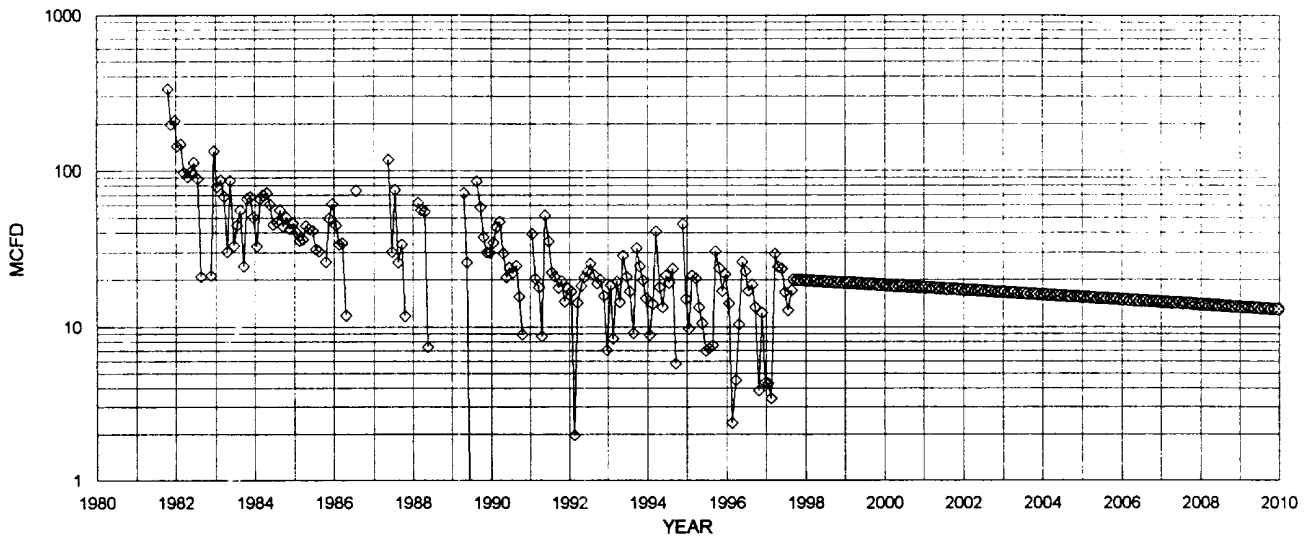
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 3/24/98

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**NEWBERRY A 4E DAKOTA PRODUCTION
SECTION 34H-32N-12W**



◇ DAKOTA MCFD ◇ FIT MCFD

DAKOTA HISTORICAL DATA		1ST PROD: 10/81		DAKOTA PROJECTED DATA	
OIL CUM:	0.7 MM3			1/1/98 Q1:	20 MCFD
GAS CUM:	187.0 MMCF			DECLINE RATE:	3.50% (EXPONENTIAL)
OIL YIELD:	0.0040 BBL/MCF			OIL YIELD:	0.0000 BBL/MCF, LAST 3 YEARS

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	MID-YEAR AVG MCFD	MID-YEAR AVG BOPD
1998	19	0.00
1999	19	0.00
2000	18	0.00
2001	17	0.00
2002	17	0.00
2003	16	0.00
2004	16	0.00
2005	15	0.00
2006	15	0.00
2007	14	0.00
2008	14	0.00
2009	13	0.00
2010	13	0.00
2011	12	0.00
2012	12	0.00
2013	11	0.00
2014	11	0.00
2015	11	0.00
2016	10	0.00
2017	10	0.00
2018	10	0.00
2019	9	0.00
2020	9	0.00
2021	9	0.00
2022	8	0.00
2023	8	0.00
2024	8	0.00
2025	7	0.00
2026	7	0.00
2027	7	0.00

All distances must be from the outer boundaries of the Section.

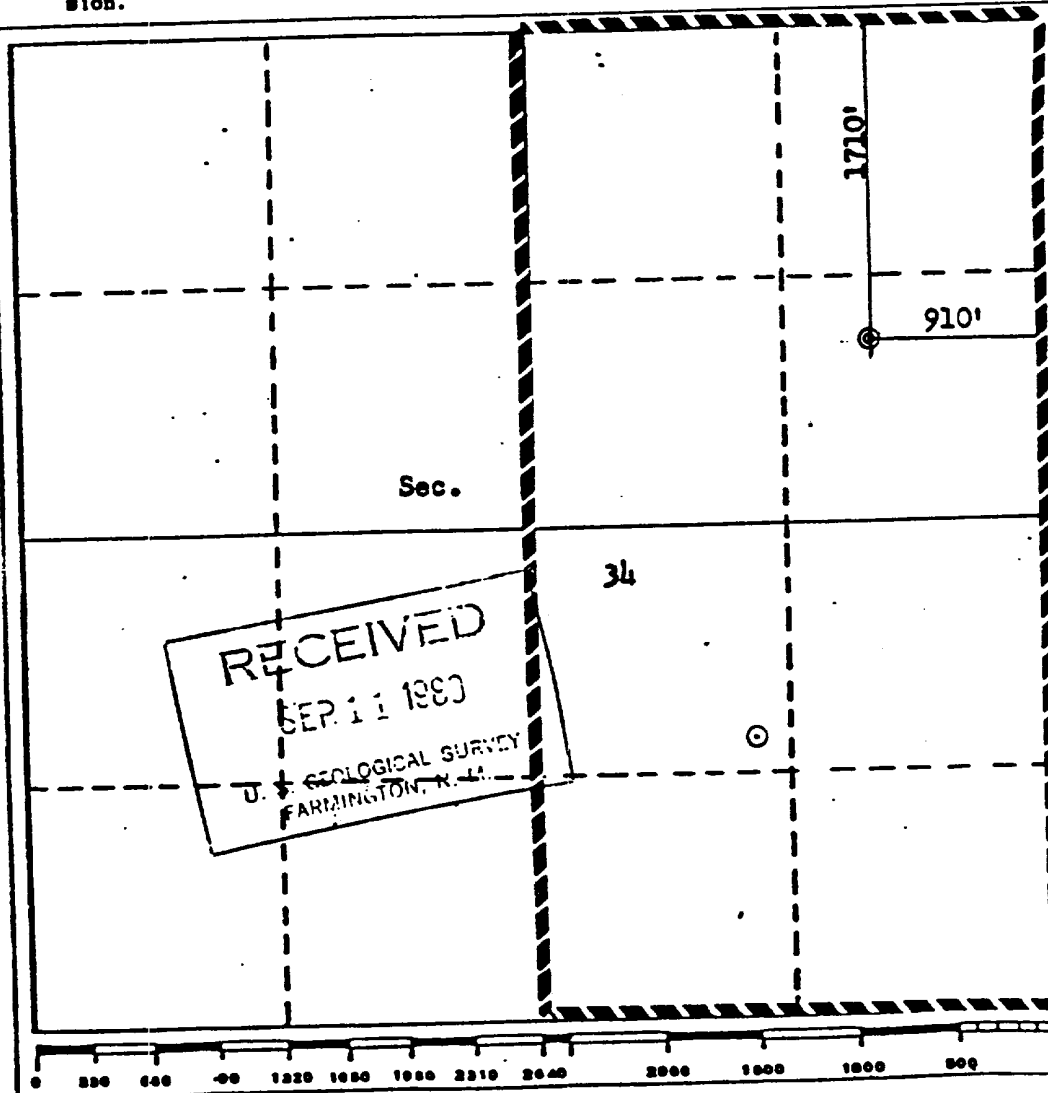
Operator TENNECO OIL COMPANY		Lease NEWBERRY #2		Well No. 1E
Unit Letter H	Section 34	Township 32N	Range 12W	County San Juan
Actual Footage Location of Wells: 1710 feet from the North line and 910 feet from the East line				
Ground Level Elev. 6233	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 32.0 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ 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 interests, has been approved by the Commission.



CERTIFICATION

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

R.A. Mishler
Name

R.A. Mishler

Position

Sr. Production Analyst

Company

Tenneco Oil Company

Date

September 8, 1980

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.

Date Surveyed

August 1980

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr
Fred B. Kerr
Certified

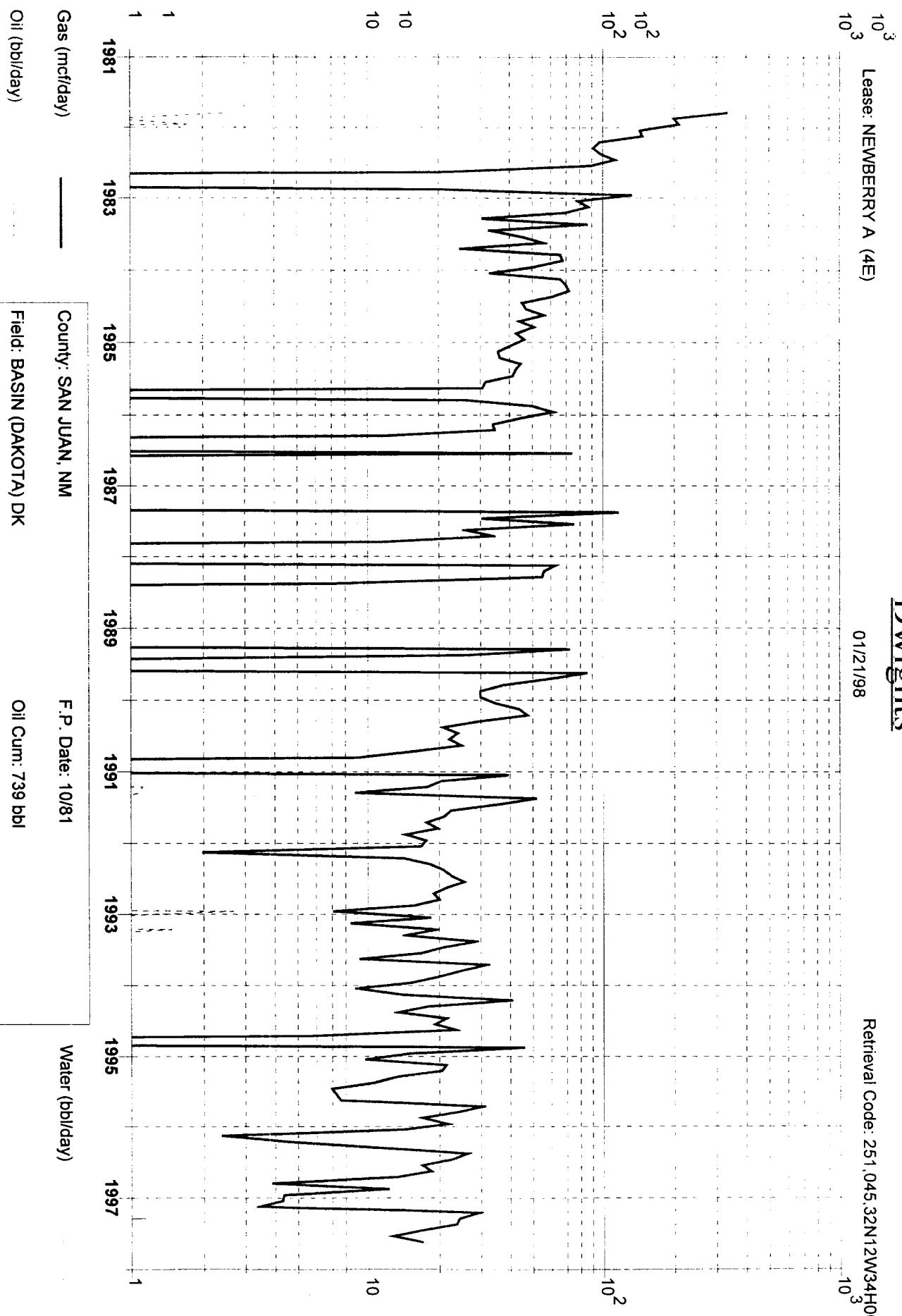
3950

Dwights

Lease: NEWBERRY A (4E)

01/21/98

Retrieval Code: 251,045,32N12W34H00DK



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

County: SAN JUAN, NM

F.P. Date: 10/81

Field: BASIN (DAKOTA) DK

Oil Cum: 739 bbl

Reservoir: DAKOTA

Gas Cum: 187.0 mmcf

Operator: AMOCO PRODUCTION CO

Location: 34H 32N 12W

Conoco, Inc.
10 Desta Dr Ste 100W
Midland, TX 79705

Re: Application to Downhole Commingle C-107A
Newberry A #4E, Section 34, T-32-N, R-12-W, H
San Juan County, New Mexico

Notification Of Offset Operators:

Amoco
PO Box 800
Denver, CO 80201

Burlington Resources
PO Box 4289
Farmington, NM 87499

Enervest Operating
570 Turner Dr UT B
Durango, CO 81301

Kimbark Oil & Gas
1660 Lincoln St STE 2700
Denver, CO 80264

Newberry A Well #4E

Name & Address	Type Interest	Mesaverde %	Dakota %
Paul B. Horton C/O McCall Parkhurst & Horton 900 Maxus Energy Tower 717 N. Harwood Dallas, TX 75201-6538	Override	.0012500	.0012500
Pattie A B Lundell Est Robert W. Lundell EX #870 1616 S. Voss Houston, TX 77057-2631	Override	.0004690	.0004685
Cross Timbers Oil Co. PO Box 840287 Dallas, TX 75284-0287	Working- Override	.0375000	.5000000
Mitzi H. Easley 3900 Dominion Cove Austin, TX 78759-7300	Override	.0002083	.0002083
Gladys Watford Trust APT 216 5455 La Sierra Dr Dallas, TX 75231-4145	Override	.0003130	.0003120
Robert Beamon Account First National Bank of Bellville PO Box 128 Bellville, TX 77418-0128	Override	.0004690	.0004695
Betsy Henderson Bryant 2201 Brookhollow Dr Abilene, TX 79605-5507	Override	.0002083	.0002083
Harriet M. Buchenau PO Box 867585 Plano, TX 75086-7585	Override	.0003120	.0003130
Susan Henderson Ritter PO Box 162606 Austin, TX 78716-2606	Override	.0002084	.0002084

Phillips Petroleum Department 773 Tulsa, OK 74182	Override		.0750000
Union Oil of California PO Box 841055 Dallas, TX 75284-1055	Override	.0112500	.0112500
Sarah S Mims Trust PO Box 111846 Carrollton, TX 75011-1846	Override	.0003120	.0003120
Minerals Mgmt Service Onshore Federal #17555 PO Box 5810 Denver, CO 80217-5810	Royalty	.0625000	.0625000
Henrietta E. Schultz Trustee Lincoln Plaza STE 2160 500 N. Akard ST Dallas, TX 75201-3325	Override	.0250000	
Conoco, Inc 10 Desta Dr Midland, TX 79705	Working	.3475000	.3475000
Amoco Prod. Co. PO Box 277897 Atlanta, Ga 30384-7897	Royalty	.5000000	
Comerica Bank Tx William J. Carey STE 960 8111 LBJ FWY Dallas, TX 75251	Override	.0125000	

Above listed parties notified by certified mail on this the 24th day of March, 1998.

P 497 374 076

Receipt for Certified Mail

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

Sent to Phillips Petroleum	
Street & Number Department 723	
Post Office, State, & ZIP Code Tulsa OK 74182	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

P 497 374 077

Receipt for Certified Mail

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

Sent to Harriet M. Buchenaw	
Street & Number PO Box 867585	
Post Office, State, & ZIP Code Plano, TX 75086-7585	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 497 374 073

Receipt for Certified Mail

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

Sent to Minerals Mgmt Service	
Street & Number Onshore Federal #17555 Box 581	
Post Office, State, & ZIP Code Denver, CO 80217-5810	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 497 374 074

US Postal Service

Receipt for Certified Mail

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

Sent to Sarah S. Mirra Trust	
Street & Number PO Box 111846	
Post Office, State, & ZIP Code Carrollton, TX 75011-846	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

P 497 374 072

US Postal Service

Receipt for Certified Mail

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

Sent to Henrietta E. Schultz - Trustee	
Street & Number 500 N. Allard St	
Post Office, State, & ZIP Code Dallas, TX 75201-3325	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 497 374 071

US Postal Service

Receipt for Certified Mail

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

Sent to Amoco Prod. Co.	
Street & Number PO Box 277897	
Post Office, State, & ZIP Code Atlanta, GA 30384-7897	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

P 497 374 070

US Postal Service

Receipt for Certified Mail

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

Sent to William J. Carey	
Street & Number STE 960 8111 UBT Fwy	
Post Office, State, & ZIP Code DALLAS, TX 75251	
Postage	\$
Certified Fee	

P 497 374 075

US Postal Service

Receipt for Certified Mail

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

Sent to Union Oil of Calif	
Street & Number PO Box 841055	
Post Office, State, & ZIP Code DALLAS, TX 75284-1055	
Postage	\$
Certified Fee	

US Postal Service

Receipt for Certified Mail

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

Sent to Betsy Bryant	
Street & Number 2201 Brookhollow Dr.	
Post Office, State, & ZIP Code Abilene, TX 79405-5507	
Postage	\$
Certified Fee	

P 497 374 081

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
Mitzi H. Easley
Street & Number
3900 Dominion Cove
Post Office, State, & ZIP Code
Austin, TX 78759-7300

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

P 497 374 085

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
McCall Parkhurst & Horton
Street & Number
100 Marcus Energy Tur - 717 N. Harwood
Post Office, State, & ZIP Code
DALLAS, TX 75201-6538

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

P 497 374 080

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
Gladys Watford Trust
Street & Number
APT 216 5455 La Sierra Dr.
Post Office, State, & ZIP Code
DALLAS, TX 75231-4145

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

PS Form 3800, April 1995

P 497 374 083

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
Robert W. Lindell - Executor
Street & Number
#8701616 S. Voss
Post Office, State, & ZIP Code
Houston, TX 77057-2631

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

PS Form 3800, April 1995

P 497 374 084

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
Susan Riher
Street & Number
PO Box 16206
Post Office, State, & ZIP Code
Austin, TX 78716-2606

Postage	\$
Certified Fee	

P 497 374 079

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
First National Bank Belville
Street & Number
Beaman Acct - PO Box 128
Post Office, State, & ZIP Code
Bellville, TX 77418-0128

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

PS Form 3800, April 1995

P 497 374 082

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to
Cross Timbers
Street & Number
PO Box 840287
Post Office, State, & ZIP Code
DALLAS, TX 75284-0287

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

PS Form 3800, April 1995