

DATE IN <u>3/26/98</u>	SUSPENSE <u>4/15/98</u>	ENGINEER <u>DC</u>	LOGGED BY <u>MV</u>	TYPE <u>DHC</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

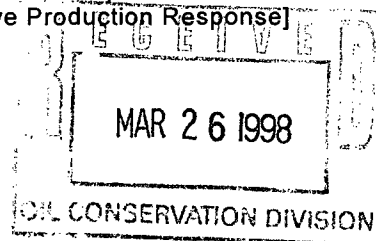
1908

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]



[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox
 Print or Type Name

Signature

Kay Maddox

Regulatory Agent
 Title

3/24/98
 Date

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241 1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
811 Southl First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

Conoco Inc.

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

Operator

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)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	443		643
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1217		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 - % for 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

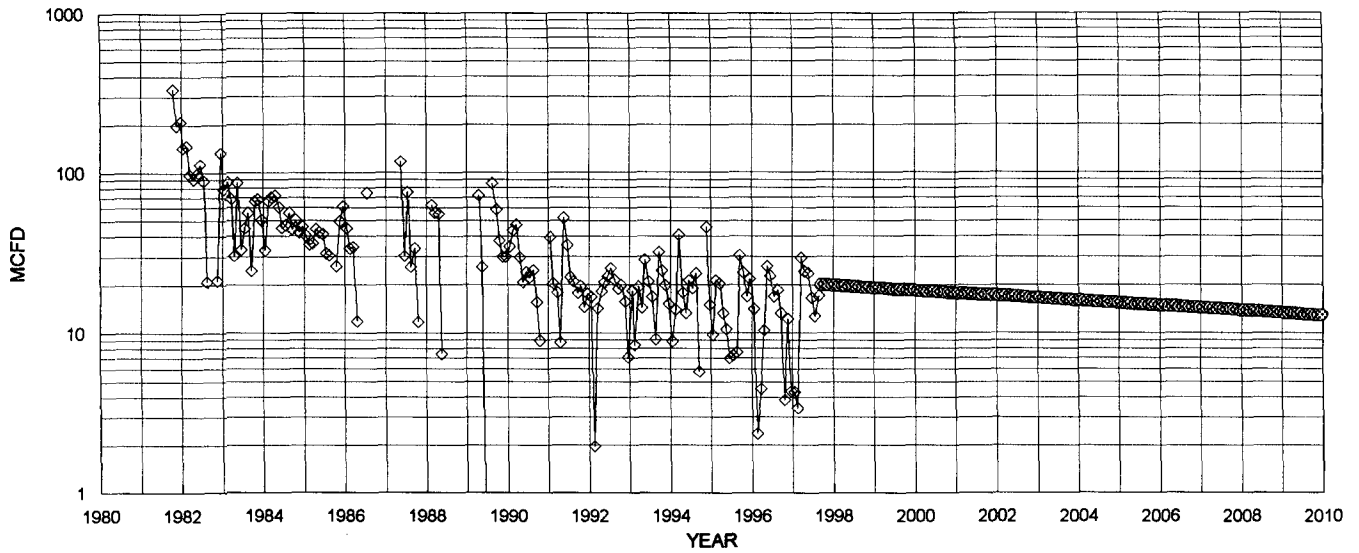
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 MBO	1/1/88 Qi:	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

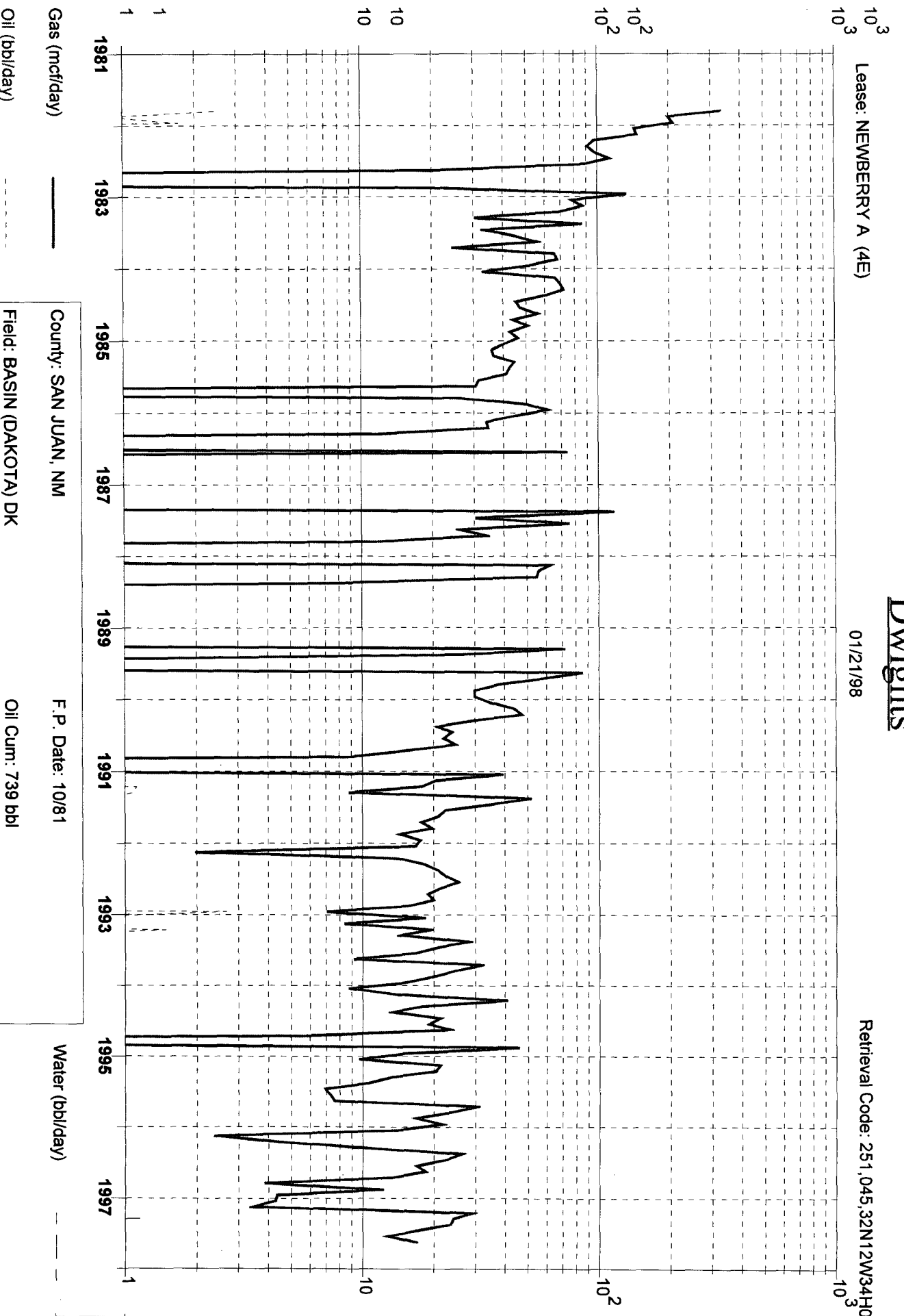
YEAR	MID-YEAR AVG MCFD	MID-YEAR AVG BOPO
1998	19	0.00
1999	19	0.00
2000	18	0.00
2001	17	0.00
2002	17	0.00
2003	16	0.00
2004	16	0.00
2005	15	0.00
2006	15	0.00
2007	14	0.00
2008	14	0.00
2009	13	0.00
2010	13	0.00
2011	12	0.00
2012	12	0.00
2013	11	0.00
2014	11	0.00
2015	11	0.00
2016	10	0.00
2017	10	0.00
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

Dwights

Lease: NEWBERRY A (4E)

01/21/98

Retrieval Code: 251,045,32N12W34H00DK



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

District I
PO Box 1980, Hobbs. NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

State Lease - 4 Copies

District IV
PO Box 2088, Santa Fe. NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24592		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Newberry A			6 Well Number # 4 E
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6233'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	32N	12W		1710	North	910	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION	
					I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
					Signature Kay Maddox Printed Name Regulatory Agent Title 2/26/98 Date	
				18 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 belief.		
				Date of Survey Signature and Seal of Professional Surveyor:		
				Certificate Number		

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

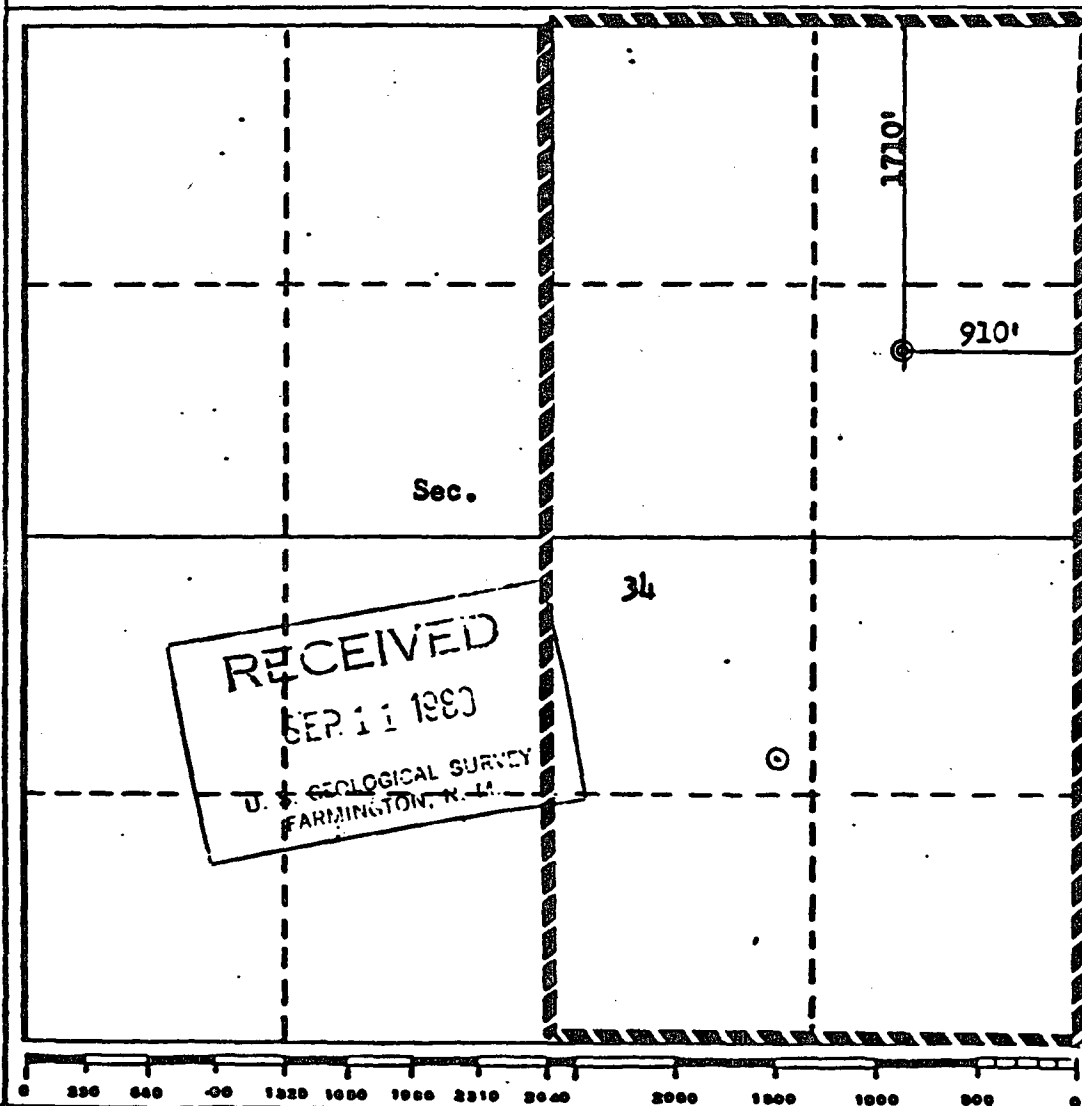
Operator TENNECO OIL COMPANY			Lease NEWBERRY 2A		Well No. 1E
Unit Letter H	Section 34	Township 32N	Range 12W	County San Juan	
Actual Footage Location of Well: 1710 feet from the North line and 910 feet from the East line					
Ground Level Elev. 6233	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320 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 28, 1980
Registered Professional Engineer and/or Surveyor
Fred B. Kern
Certification No. **3950**

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

US Postal Service

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 497 374 074

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Sarah S. Minnis Trust	
Street & Number PO Box 111 846	
Post Office, State, & ZIP Code Carrollton, TX 75011-1846	
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 497 374 070

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 LBJ FRWY	
Post Office, State, & ZIP Code DALLAS, TX 75251	
Postage	\$
Certified Fee	
Special Delivery Fee	

P 497 374 077

US Postal Service

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 497 374 072

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Henrietta E. Schultz - Trust	
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 497 374 075

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	

P 497 374 073

US Postal Service

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 5810	
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 497 374 071

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Amuco Prod. Co.	
Street & Number PO Box 277 897	
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 497 374 078

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 79605-5507	
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 Tower 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
#87016165 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 Ritter
Street & Number
PO Box 16206
Post Office, State, & ZIP Code
Austin, TX 78716-2606

Postage	\$
Certified Fee	
Special Delivery 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
Belville, 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