

## DISTRICT I

O Box 1930, Hobbs NM 88241 1980

## DISTRICT II

511 South First St. Artesia NM 88210 2835

## DISTRICT III

1000 Rio Brazos Rd. Aztec NM 87410 1653

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

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

Omler A

#4E

Section 25, T-28-N, R-10-W, O

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

Spacing Unit Lease Types (check 1 or more)

OGRID NO 005073

Property Code

API NO

30-045-24111

Federal ☒ State ☐ (402/01) Fee ☐

The following facts are submitted in support of downhole commingling	Upper Zone	Intermediate Zone	Lower Zone
1 Pool Name and Pool Code	Otero Chacra 82329		Basin Dakota 71599
2 Top and Bottom of Pay Section (Perforations)	3048-3058'		6352-6542'
3 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5 Bottomhole Pressure	a (Current)		
Oil Zones - Artificial Lift Estimated Current	534		566
Gas & Oil - Flowing Measured Current	b (Original)		
All Gas Zones Estimated Or Measured Original	682		2210
6 Oil Gravity (*API) or Gas BT Content	1150		1200
7 Producing or Shut-In?	Producing		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
* If Producing, date and oil/gas/water rates of recent test (within 60 days)	3/15/98 32 MCFD, 0 BOPD, 0 BWPD	3/15/98 45 MCFD, 0.3 BOPD, 0 BWPD	
8 Fixed Percentage Allocation Formula - % for each zone	1 Gas 42	Gas	99 Gas 58

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 NMOC 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

4/27/98

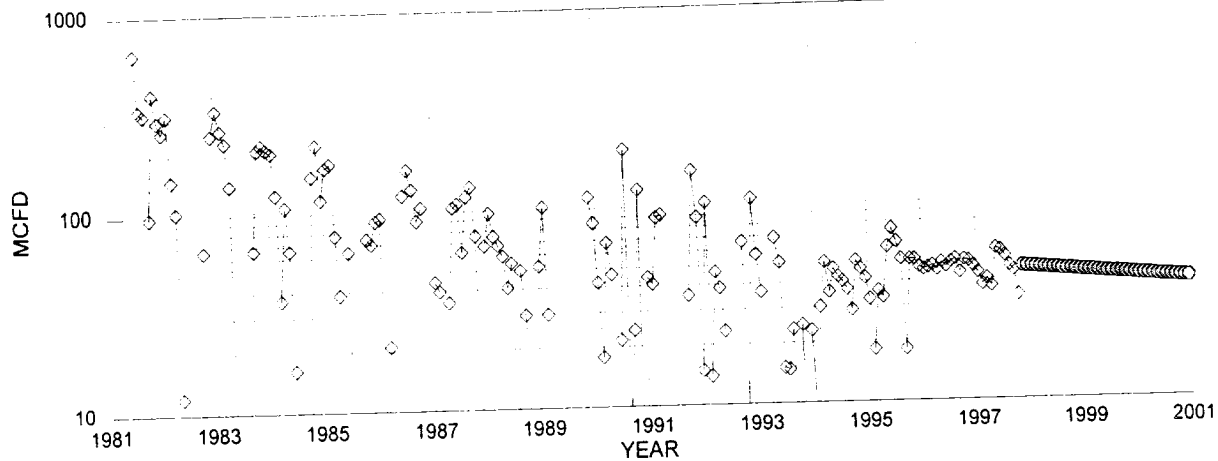
TYPE OR PRINT NAME

Kay Maddox

TELEPHONE NO.

(915) 686-5798

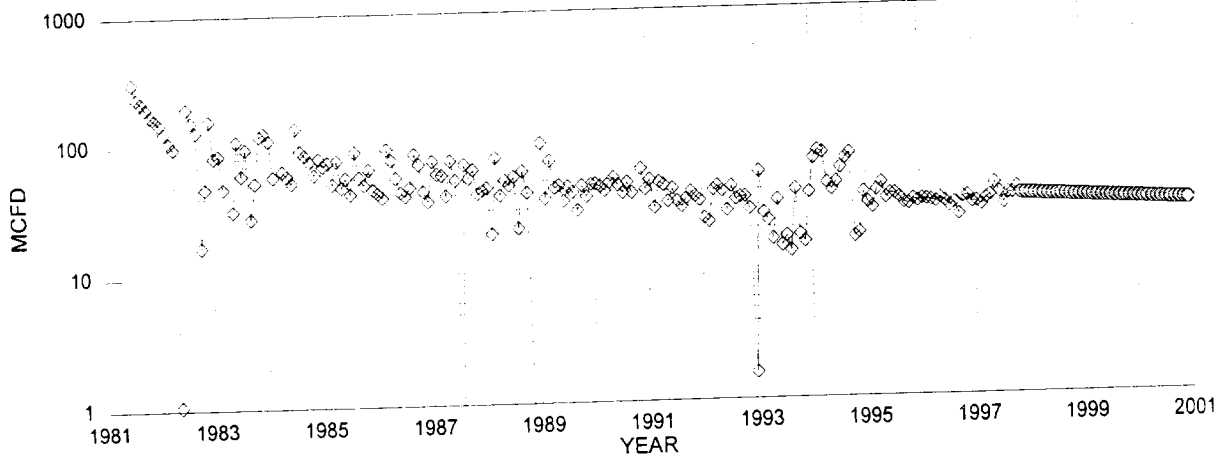
**OMLER A #4E DAKOTA PRODUCTION  
SECTION 25O-28N-10W**



DAKOTA FIT MCFD

DAKOTA HISTORICAL DATA:		1ST PROD: 07/81		DAKOTA PROJECTED DATA	
OIL CUM:	3.67 MBO	1/1/98 Qi:	46 MCFD	0.43 BOPD	
GAS CUM:	394.5 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)		
OIL YIELD:	0.0093 BBL/MCF				

**OMLER A #4E CHACRA PRODUCTION  
SECTION 25O-28N-10W**



CHACRA FIT MCFD

CHACRA HISTORICAL DATA		1ST PROD: 07/81	CHACRA PROJECTED DATA		
OIL CUM:	0.1 MBO		1/1/98 Qi:	33 MCFD	0.01 BOPD
GAS CUM:	317.1 MMCF		DECLINE RATE:	5.0% (EXPONENTIAL)	
OIL YIELD:	0.0002 BBL/MCF				

**FIXED COMMINGLE ALLOCATION FACTORS:**

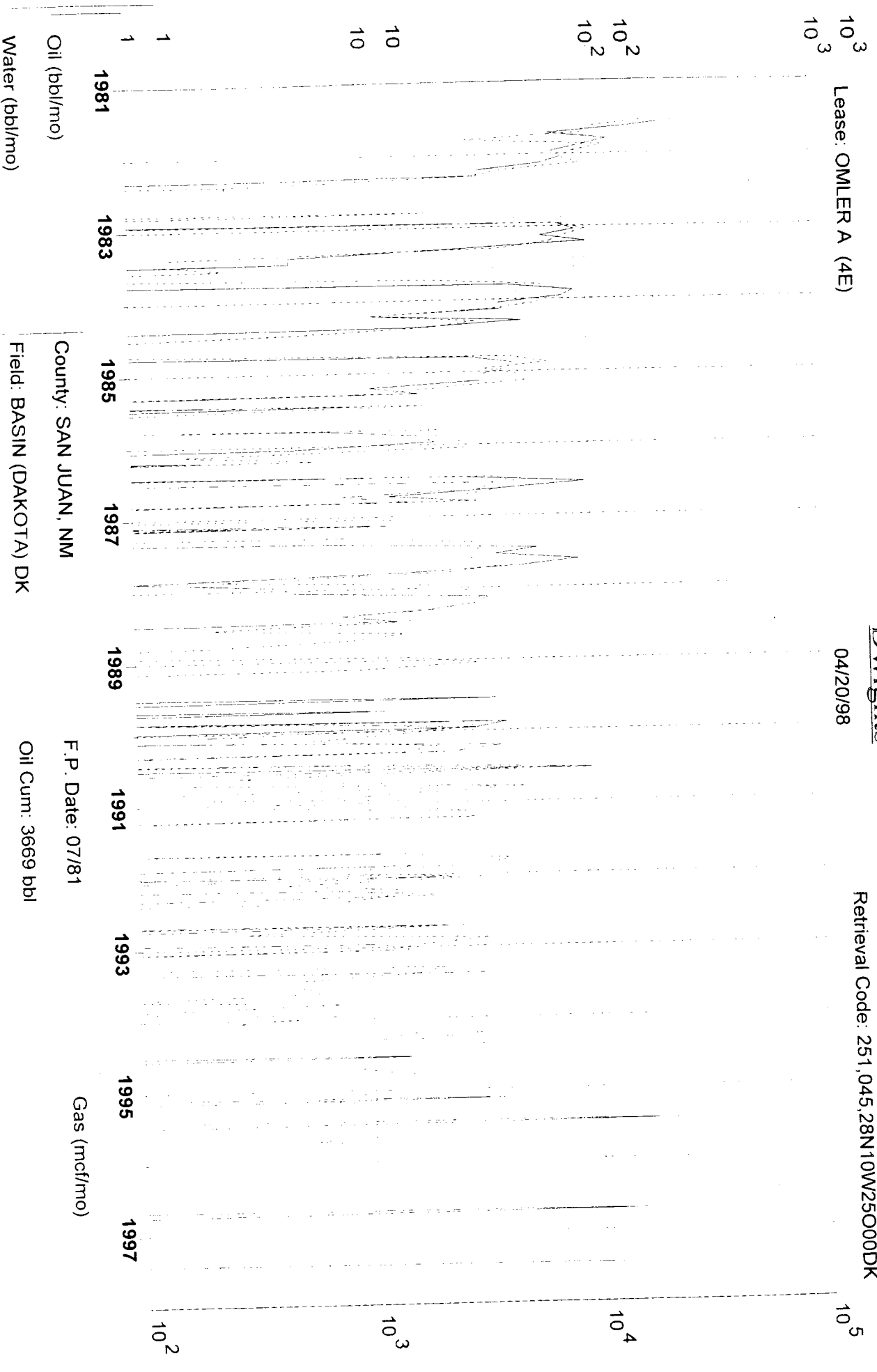
	GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1998 RATES	
DAKOTA	58%	99%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS	
CHACRA	42%	1%	NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA	

Dwights

Lease: OMLER A (4E)

04/20/98

Retrieval Code: 251,045,28N10W25O00DK



Oil (bbl/mo)

Water (bbl/mo)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 07/81

Oil Cum: 3669 bbl

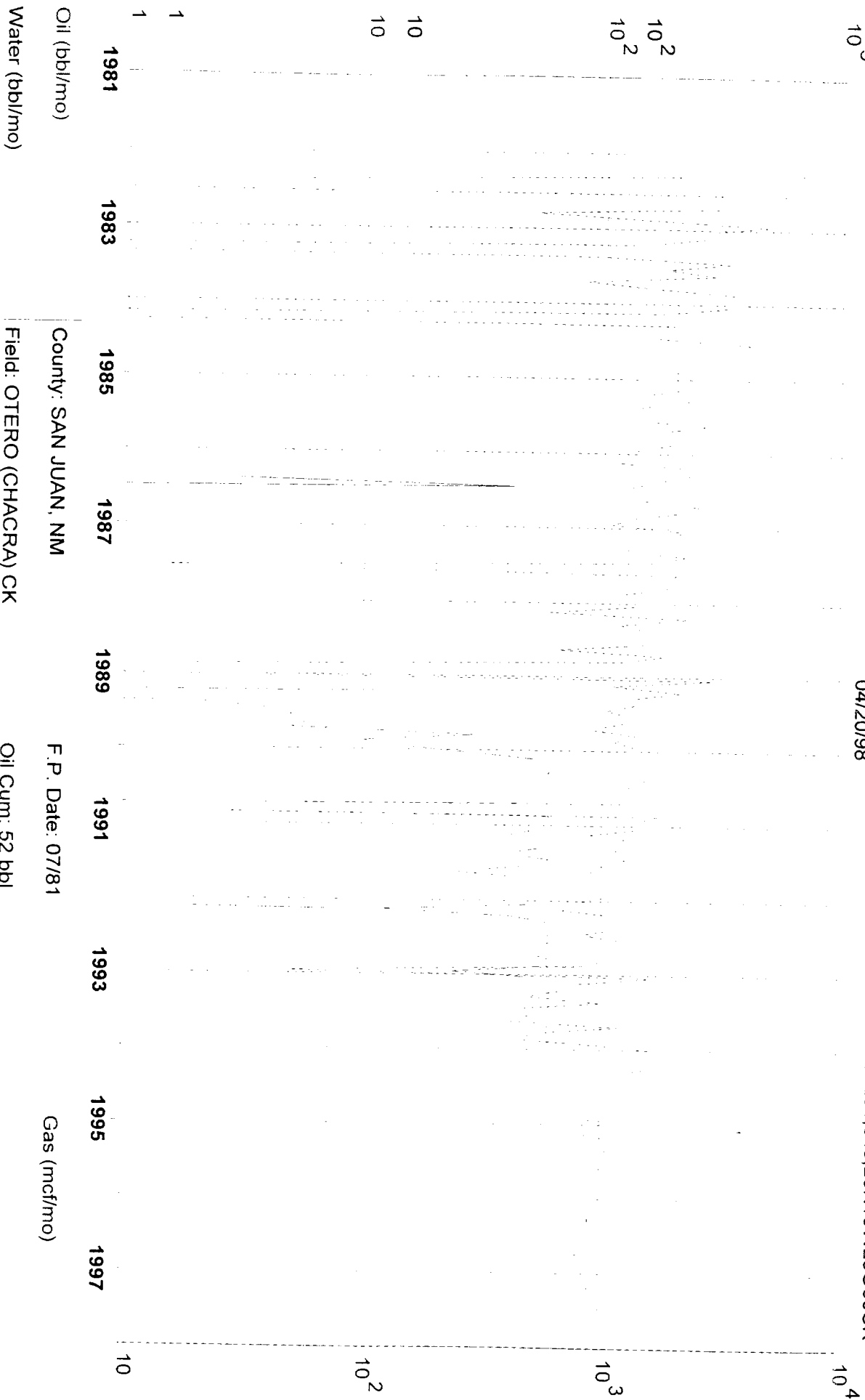
Gas Cum: 394.5 mmcf

Location: 25O 28N 10W

Lease: OMLER A (4E)

Dwights  
04/20/98

Retrieval Code: 251,045,28N10W25O00CK



County: SAN JUAN, NM

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

F.P. Date: 07/81

Oil Cum: 52 bbl

Gas Cum: 317.1 mmcf

Operator: AMOCO PRODUCTION CO

Location: 25O 28N 10W

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

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24111		2 Pool Code 82329	3 Pool Name Otero Chacra
4 Property Code	5 Property Name Olmer A		6 Well Number # 4E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500		9 Elevation 5809'

## 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
O	25	28N	10W		940	South	1750	East	San Juan

11 Bottom Hole Location If Different From Surface		South	1750
Range	Lot Id	5	

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	13 Joint or Infill	14 Consolidation Code		15 Order No.					
160									

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	<div style="text-align: center;"><b>17 OPERATOR CERTIFICATION</b></div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <div style="margin-top: 20px;"><div style="font-family: cursive; font-size: 1.2em; margin-bottom: 5px;">Kay Maddox</div><div style="display: flex; justify-content: space-between;"><div>Signature</div><div>Kay Maddox</div></div><div style="display: flex; justify-content: space-between;"><div>Printed Name</div><div>Regulatory Agent</div></div><div style="display: flex; justify-content: space-between;"><div>Title</div><div>4/20/98</div></div><div style="display: flex; justify-content: space-between;"><div>Date</div><div></div></div></div>
<div style="position: relative; height: 150px;"><div style="position: absolute; right: 0; bottom: 0; left: 50px; top: 50px;">1750'</div><div style="position: absolute; right: 0; bottom: 0; left: 50px; top: 100px;">940' ↑</div></div>	<div style="text-align: center;"><b>18 SURVEYOR CERTIFICATION</b></div> <p>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.</p> <div style="margin-top: 20px;"><div style="display: flex; justify-content: space-between;"><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor:</div></div><div style="display: flex; justify-content: space-between; margin-top: 20px;"><div>Certificate Number</div><div></div></div></div>

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

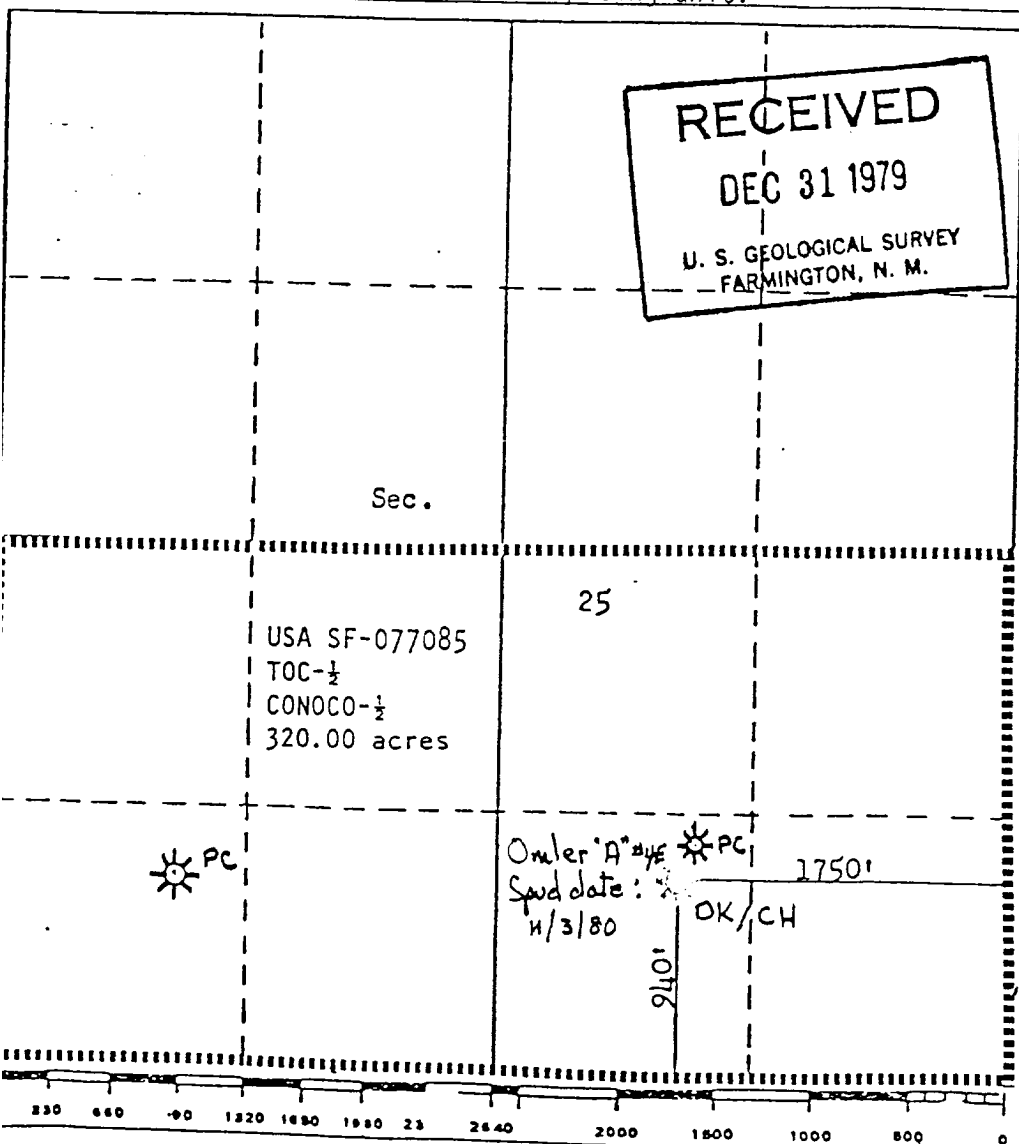
Operator <b>TENNECO OIL COMPANY</b>			Lease <b>OMLER "A"</b>		Well No. <b>4-E</b>
Unit Letter <b>0</b>	Section <b>25</b>	Township <b>28N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>940</b> feet from the <b>South</b> line and <b>1750</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5908</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>32.00</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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. For all wells within the spacing unit.



#### CERTIFICATION

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

Name  
**Staff Production Analyst**

Position  
**Tenneco Oil Company**

Company  
**12-7-79**

Date

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  
**September 27, 1979**

Registered Professional Engineer and/or Land Surveyor

**Fred B. Kerr Jr.**

Certificate No.  
**3950**

April 27, 1998

Omler A #4E  
Section 25, T-28-N, R-10-W, O  
San Juan County, New Mexico  
API # 30-045-24111

RE: Application to Downhole Commingle C-107A

**Offset Operators:**

Amoco  
PO Box 800  
Denver, CO 80201

Burlington Resources  
PO Box 4289  
Farmington, New Mexico 87499