

DISTRICT I

C/O Box 1090, Hobbs, NM 88241-1090

State of New Mexico  
Energy, Minerals and Natural Resources DepartmentForm C-107-A  
New 3-12-96

DISTRICT II

511 South First St. A. Mesa NM 88201-1835

## 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

Lease

Omler A

#3E

Section 26, T-28-N, R-10-W, O

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO 005073

Property Code

API NO

30-045-24080

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	Otero Chacra 82329		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	2948-2974'		6258-6386'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a (Current)	a	a
Oil Zones - Artificial Lift Estimated Current	532		564
Gas & Oil - Flowing Measured Current	b (Original)		
All Gas Zones Estimated Or Measured Original	681		2202
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	Date Rates 3-15-98 23 MCFD, 0.4 BOPD, 0.4 BWPD	Date Rates	Date Rates 3-15-98 62 MCFD, 0 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula for each zone	16 Gas 29 Oil		84 Gas 71 Oil

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 ☐ No11. 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 ☐ No13. 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)

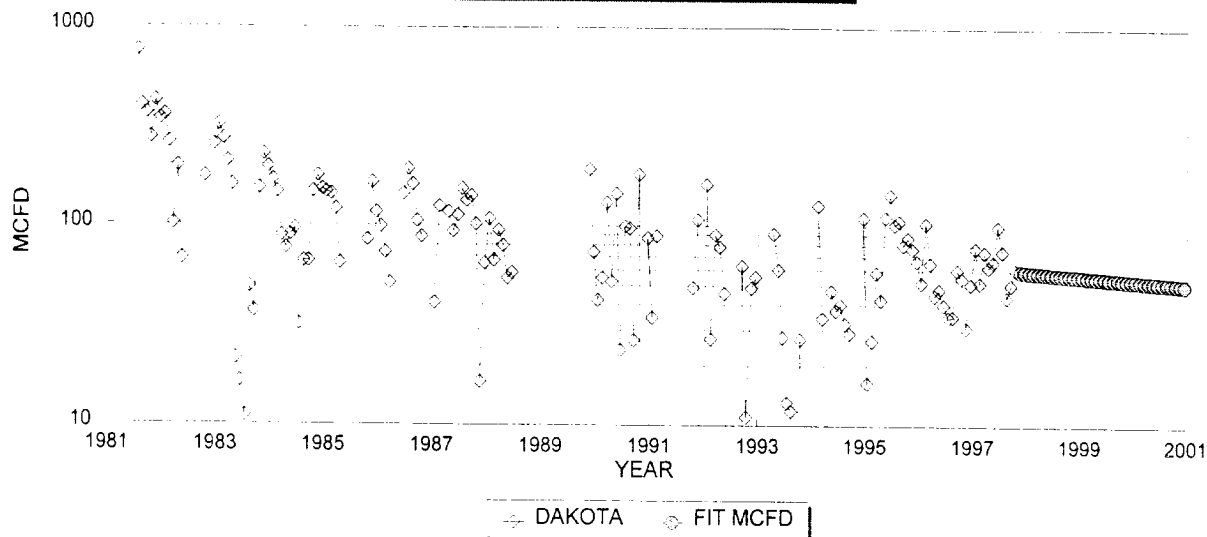
## 16. ATTACHMENTS

- 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.

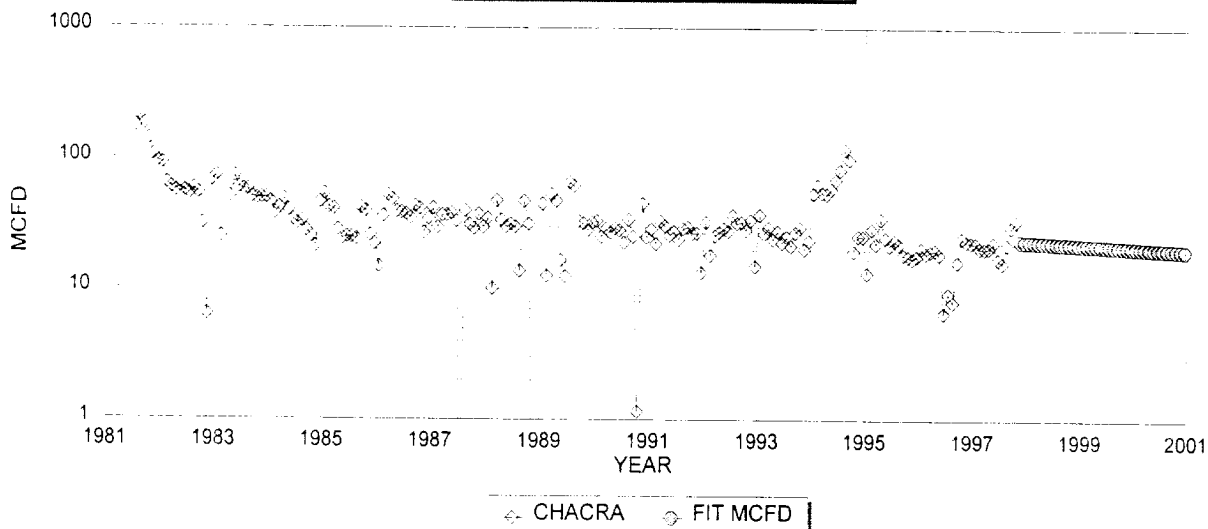
SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 4/27/98TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**OMLER A #3E DAKOTA PRODUCTION**  
SECTION 26O-28N-10W



DAKOTA HISTORICAL DATA:		1ST PROD: 06/81	DAKOTA PROJECTED DATA	
OIL CUM:	3.97	MBO	1/1/98 Qi:	59 MCFD
GAS CUM:	461.5	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0086	BBL/MCF		0.51 BOPD

**OMLER A #3E CHACRA PRODUCTION**  
SECTION 26O-28N-10W



CHACRA HISTORICAL DATA		1ST PROD: 07/81	CHACRA PROJECTED DATA	
OIL CUM:	0.9	MBO	1/1/98 Qi:	23 MCFD
GAS CUM:	221.4	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0042	BBL/MCF		0.10 BOPD

FIXED COMMINGLE ALLOCATION FACTORS:

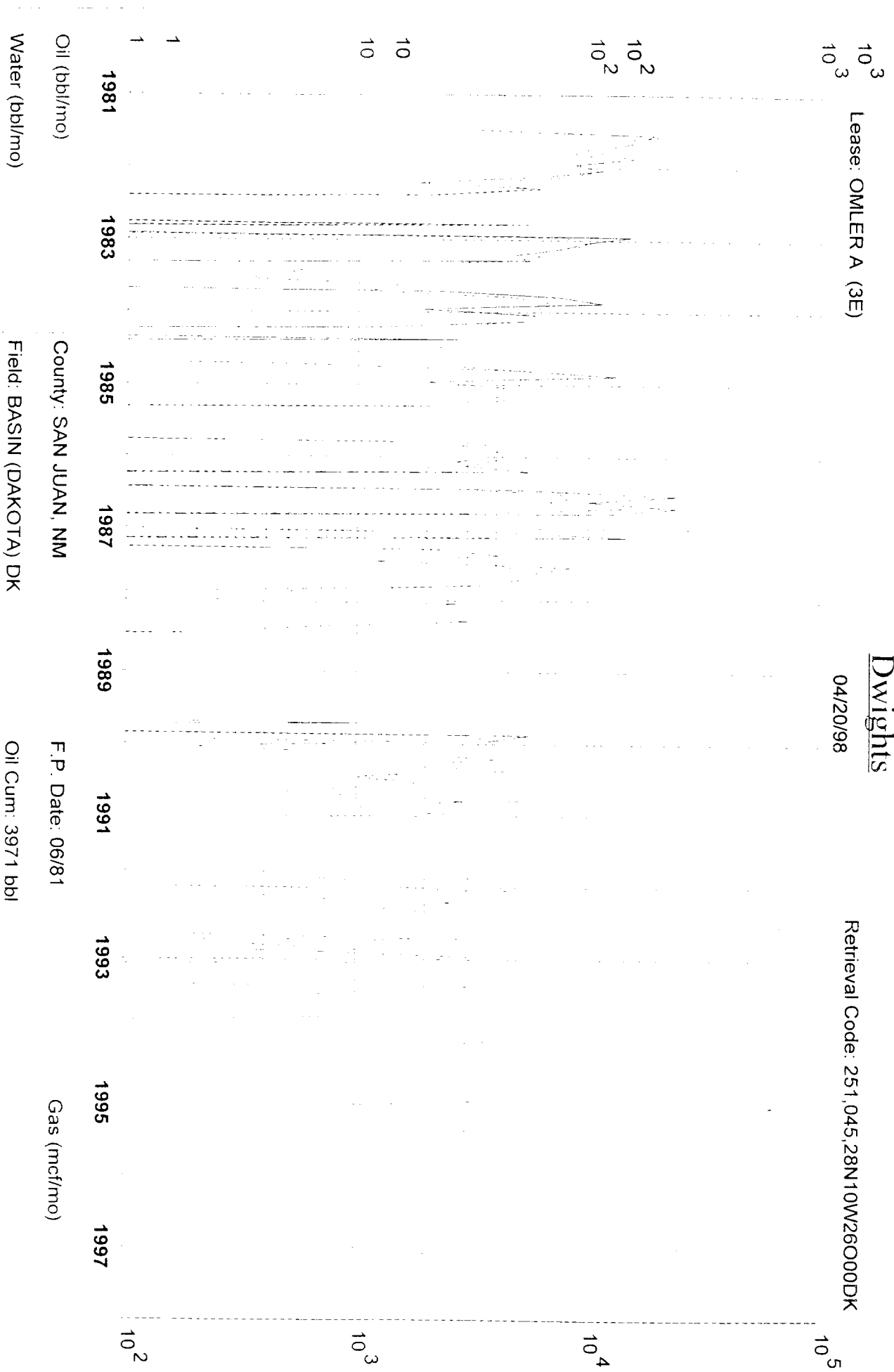
	GAS	OIL	ALLOCATION
DAKOTA	71%	84%	BASED ON PROJECTED 1998 RATES
CHACRA	29%	16%	BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

Lease: OMLER A (3E)

Dwights  
04/20/98

Retrieval Code: 251,045,28N10W26O00DK



Oil (bbl/mo)

Water (bbl/mo)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 06/81

Oil Cum: 3971 bbl

Gas Cum: 461.5 mmcf

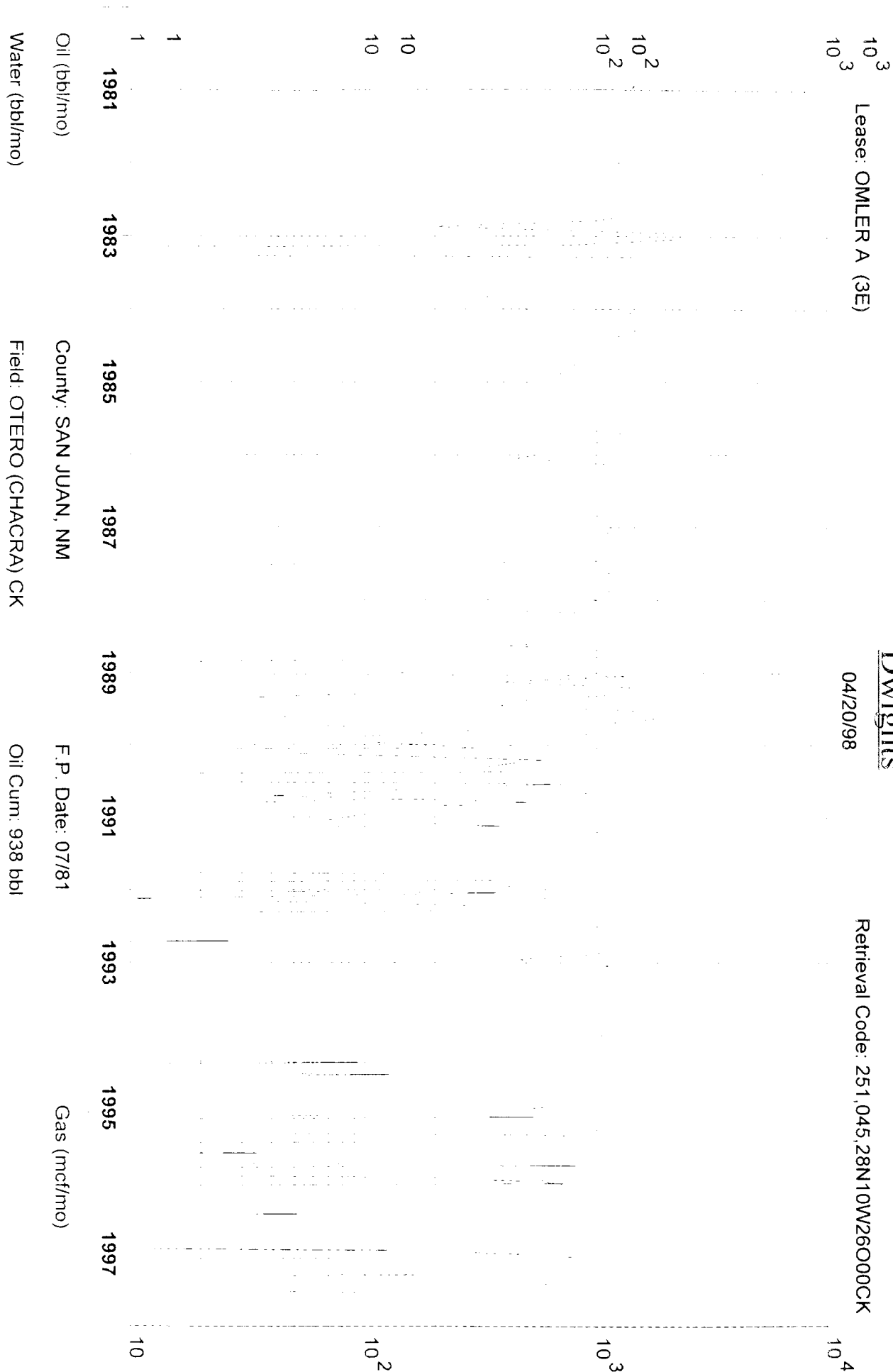
Location: 26O 28N 10W

Dwights

04/20/98

Retrieval Code: 251,045,28N10W26O00CK

Lease: OMLER A (3E)



Oil (bbl/mo)

Water (bbl/mo)

County: SAN JUAN, NM

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: AMOCO PRODUCTION CO

F.P. Date: 07/81

Oil Cum: 938 bbl

Gas Cum: 221.4 mmcf

Location: 26O 28N 10W

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

PO Box 2088  
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

API Number 30-045-24080		2 Pool Code 82329	3 Pool Name Otero Chacra	
4 Property Code	5 Property Name Olmer A			6 Well Number # 3E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 5811'

UL or other	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	26	28N	10W		810	South	1810	East	San Juan

If Bottom Hole Location Is 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 Infil	14 Consolidation Code	15 Order No						

A 4x4 grid is shown. A 2x2 subgrid in the bottom-right corner is highlighted with a thick dashed border. The dimensions of this subgrid are labeled as 810' (width) and 1810' (height). The label 810' is placed below the subgrid with a vertical double-headed arrow. The label 1810' is placed to the right of the subgrid with a horizontal double-headed arrow. A small circle is at the bottom-left corner of the subgrid.

Certificate Number

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

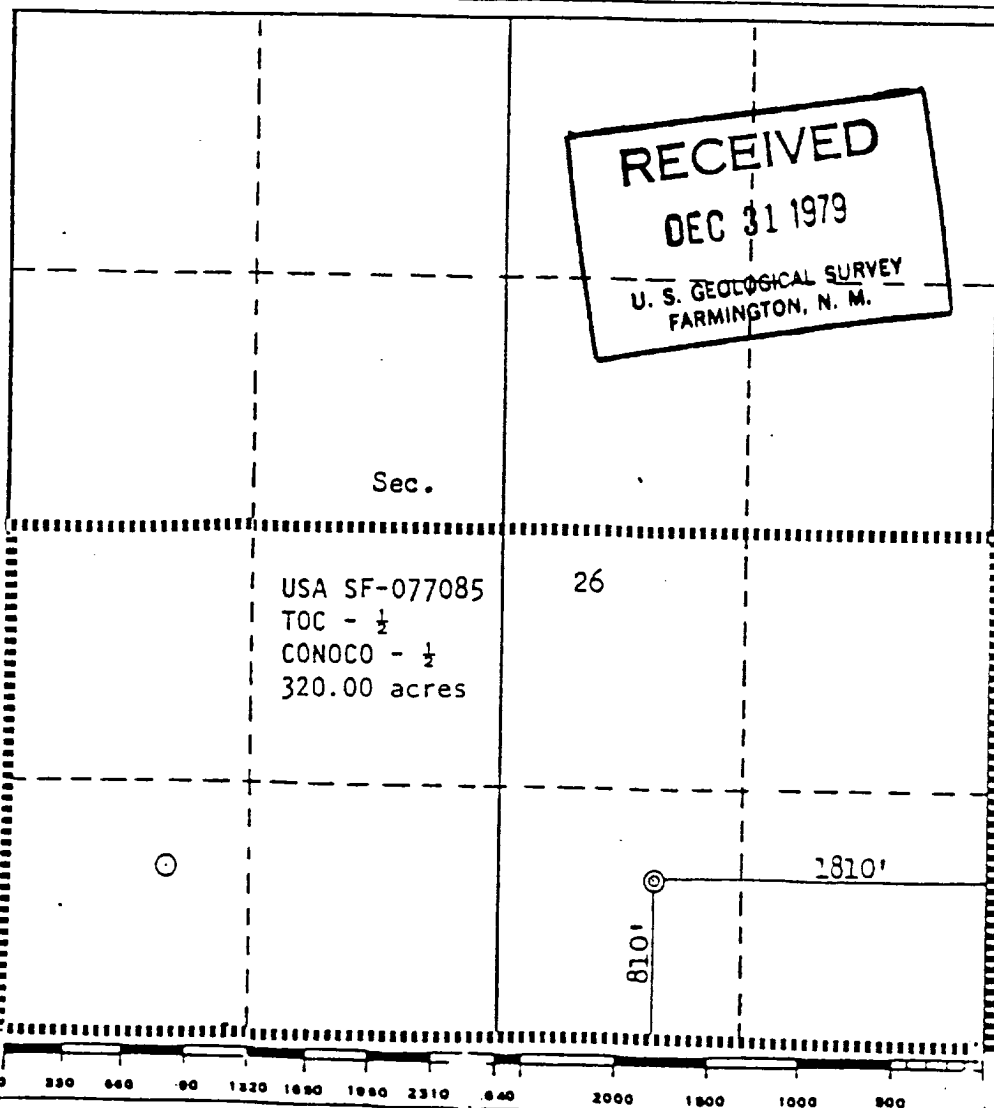
Operator <b>TENNECO OIL COMPANY</b>			Lease <b>CMER "A"</b>		Well No. <b>3-E</b>
Unit Letter <b>0</b>	Section <b>26</b>	Township <b>28N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>810</b> feet from the <b>South</b> line and <b>1810</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5811</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320.00</b> 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.

*M. J. Human*  
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.

ADMN 53375

Date Surveyed  
September 27, 1979  
Registered Professional Engineer and/or Land Surveyor  
*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.  
Certificate No. 3950  
NEAR, JR.

April 27, 1998

Omler A #3E  
Section 26, T-28-N, R-10-W, O  
San Juan County, New Mexico  
API # 30-045-24080

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

Breck Operating Co.  
PO Box 911  
Breckenridge, TX 76024-0911

Redwolf Production Inc  
PO Box 356  
Farmington, New Mexico 87499

Koch Exploration Co.  
PO Box 2256  
Wichita, KS 67201

Kukui Operating Co,  
1415 Louisiana STE 3650  
Wedge Intl Tower  
Houston, TX 77002

Universal Resources Corp.  
1331 17<sup>th</sup> STE 300  
Denver, CO 80202