

DISTRICT I
Oil and Gas, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
911 South 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

Lease No.

Address

Omler A

#6E

Section 36, T-28-N, R-10-W, D

San Juan

Lease

Well No.

Unit Ltr Sec Twp Rge

County

OGRID NO 005073

Property Code

API NO

30-045-24208

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) | 2995-2999' | | 6309-6473' |
| 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 | 533 | | 565 |
| Gas & Oil - Flowing Measured Current | b. Original | b | b |
| All Gas Zones Estimated Or Measured Original | 681 | | 2206 |
| 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 |
| 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 3-15-98 36 MCFD, 0 BOPD, 0.5 BWPD | Date Rates | Date Rates 3-15-98 58 MCFD, 0.3 BOPD, 0.1 BWPD |
| 8 Fixed Percentage Allocation Formula - % for each zone | 2 Gas 38 | Gas | 98 Gas 62 |

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

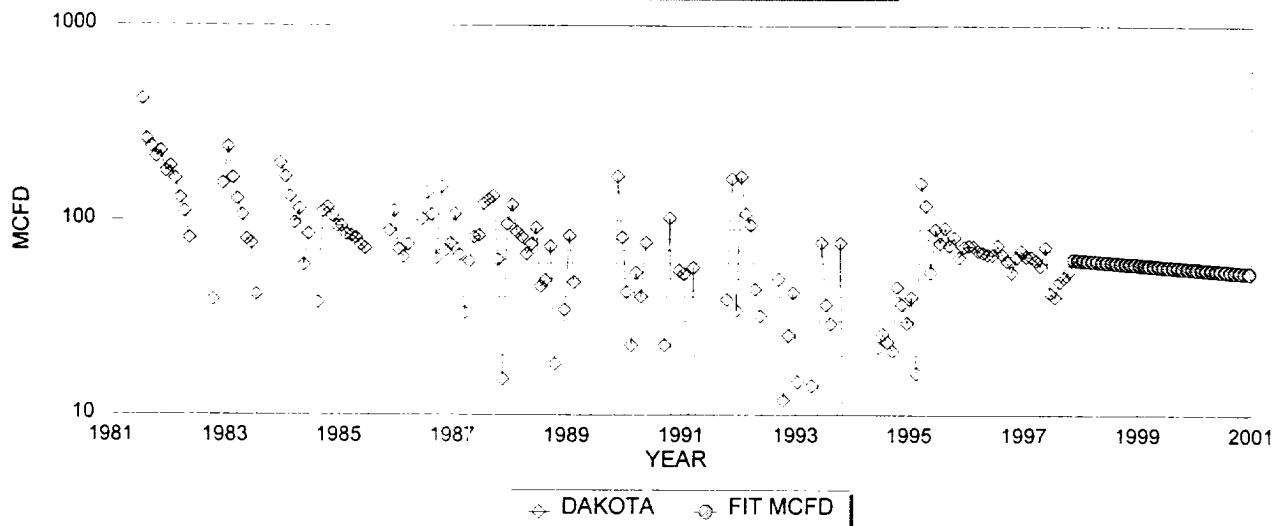
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation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

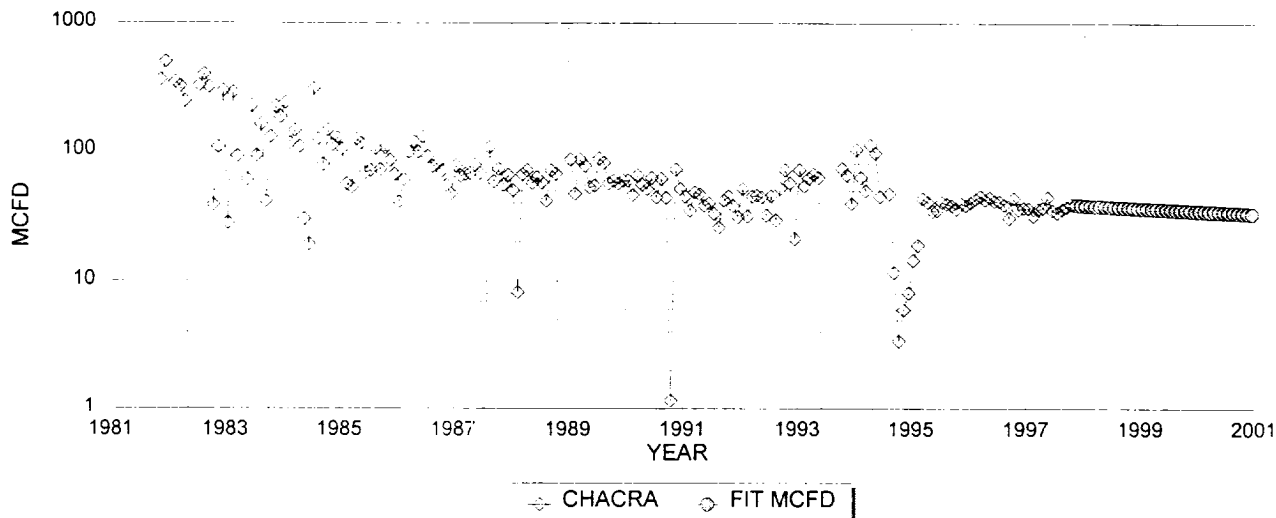
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**OMLER A #6E DAKOTA PRODUCTION
SECTION 36D-28N-10W**



| DAKOTA HISTORICAL DATA: | | 1ST PROD: 07/81 | DAKOTA PROJECTED DATA | | |
|-------------------------|--------|-----------------|-----------------------|--------------------|-----------|
| OIL CUM: | 3.42 | MBO | 1/1/98 Qi: | 62 | MCFD |
| GAS CUM: | 377.1 | MMCF | DECLINE RATE: | 5.0% (EXPONENTIAL) | 0.56 BOPD |
| OIL YIELD: | 0.0091 | BBL/MCF | | | |

**OMLER A #6E CHACRA PRODUCTION
SECTION 36D-28N-10W**



| CHACRA HISTORICAL DATA | | 1ST PROD: 11/81 | CHACRA PROJECTED DATA | | |
|------------------------|--------|-----------------|-----------------------|--------------------|-----------|
| OIL CUM: | 0.1 | MBO | 1/1/98 Qi: | 38 | MCFD |
| GAS CUM: | 434.7 | MMCF | DECLINE RATE: | 5.0% (EXPONENTIAL) | 0.01 BOPD |
| OIL YIELD: | 0.0002 | BBL/MCF | | | |

FIXED COMMINGLE ALLOCATION FACTORS:

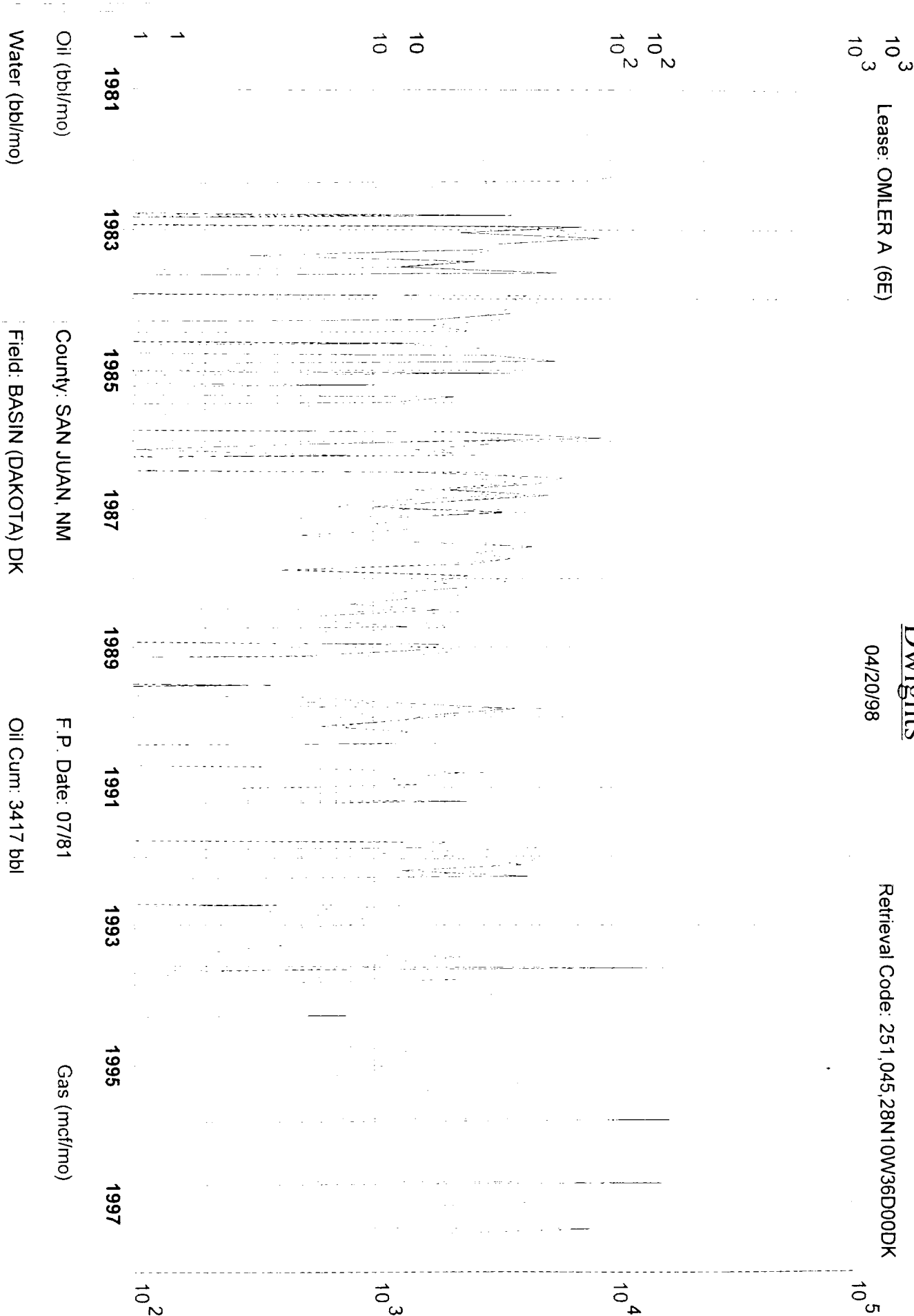
| | GAS | OIL | GAS ALLOCATION BASED ON PROJECTED 1998 RATES | |
|--------|-----|-----|--|--|
| DAKOTA | 62% | 98% | OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS | |
| CHACRA | 38% | 2% | NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA | |

Dwights

Lease: OMLER A (6E)

04/20/98

Retrieval Code: 251,045,28N10W36DD00DK



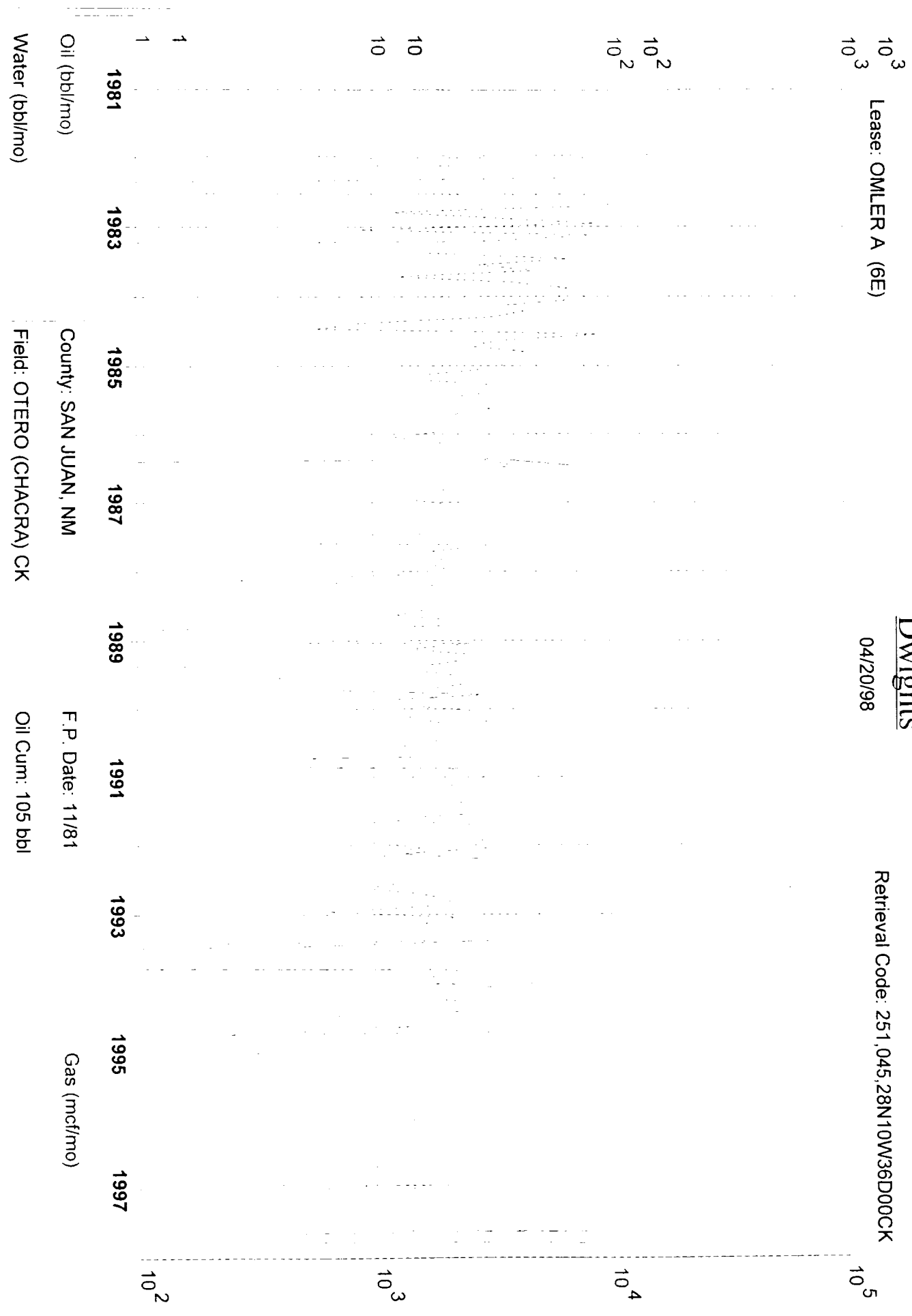
Oil (bbl/mo)
Water (bbl/mo)
County: SAN JUAN, NM
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: AMOCO PRODUCTION CO
F.P. Date: 07/81
Oil Cum: 3417 bbl
Gas Cum: 377.1 mmcf
Location: 36D 28N 10W

Dwights

Lease: OMLER A (6E)

04/20/98

Retrieval Code: 251,045,28N10W36D00CK



Oil (bbl/mo)

Water (bbl/mo)

County: SAN JUAN, NM

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: AMOCO PRODUCTION CO

F.P. Date: 11/81

Oil Cum: 105 bbl

Gas Cum: 434.7 mmcf

Location: 36D 28N 10W

All distances must be from the center line of the Section.

| | | | | | |
|----------------------------------|---------------------|---------------------------------|--------------|----------|--------------------|
| NECO OIL COMPANY | | Lease | | Well No. | |
| Letter | Section | Township | Range | County | |
| J | 36 | 28N | 10W | San Juan | 6-E |
| Actual Footage Location of Well: | | | | | |
| 990 feet from the North | | line and 930 feet from the West | | line | |
| Ground Level Elev. | Producing Formation | | Pool | | Dedicated Acreage: |
| 5856 | Dakota | | Basin Dakota | | 320.00 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.

SF - 077085

Tenneco Oil Company 4

930'

990'

OK/CH

PC

Conoco - 4

320.00

Sec.

36

For all wells with-
in the spacing unit

RECEIVED
JAN 23 1980
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

CERTIFICATION

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

Name
M. Lee Freeman

Position
Staff Production Analyst

Company
Tenneco Oil Company

Date
1-25-80

I hereby certify that the well location
shown on this plot 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
November 30, 1979

Registered Professional Engineer
and/or Land Surveyor
Fred B. Reed, Jr.

Certificate No.
3950

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

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

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102

Revised February 21, 1994

instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------|---|-----------------------------|
| API Number 30-045-24208 | 2 Pool Code 82329 | 3 Pool Name Otero Chacra |
| 4 Property Code | 5 Property Name Olmer A | 6 Well Number # 6E |
| 7 OGRID No. 005073 | 8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500 | 9 Elevation 6856' |

10 Surface Location

| | | | | | | | | | |
|-------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|--------------------|
| UL or lot no D | Section 36 | Township 28N | Range 10W | Lot Idn | Feet from the 990 | North/South line North | Feet from the 930 | East/West line Wesr | County 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 160 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. | | | | | | |

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

| | | | |
|------|------|--|--|
| 930' | 990' | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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
Kay Maddox

Printed Name

Regulatory Agent

Title

4/20/98

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

April 27, 1998

Omler A #6E
Section 36, T-28-N, R-10-W, D
San Juan County, New Mexico
API # 30-045-24208

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

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