

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

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

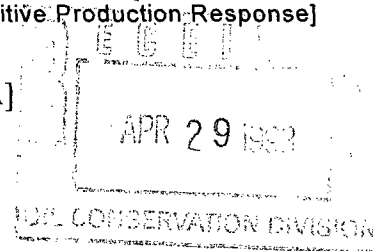
Check One Only for [B] and [C]

[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

Kay Maddox
Signature

Regulatory Agent
Title

4/27/98
Date

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

DISTRICT II
811 South First St. Artesia NM 88210 2835

DISTRICT III
1000 Rio 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

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

Lease Omler A Well No #5E Section 25, T-28-N, R-10-W, E County San Juan

Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 005073 Property Code _____ API NO. 30-045-24110 Federal ☒ State ☐ (and/or) Fee ☐

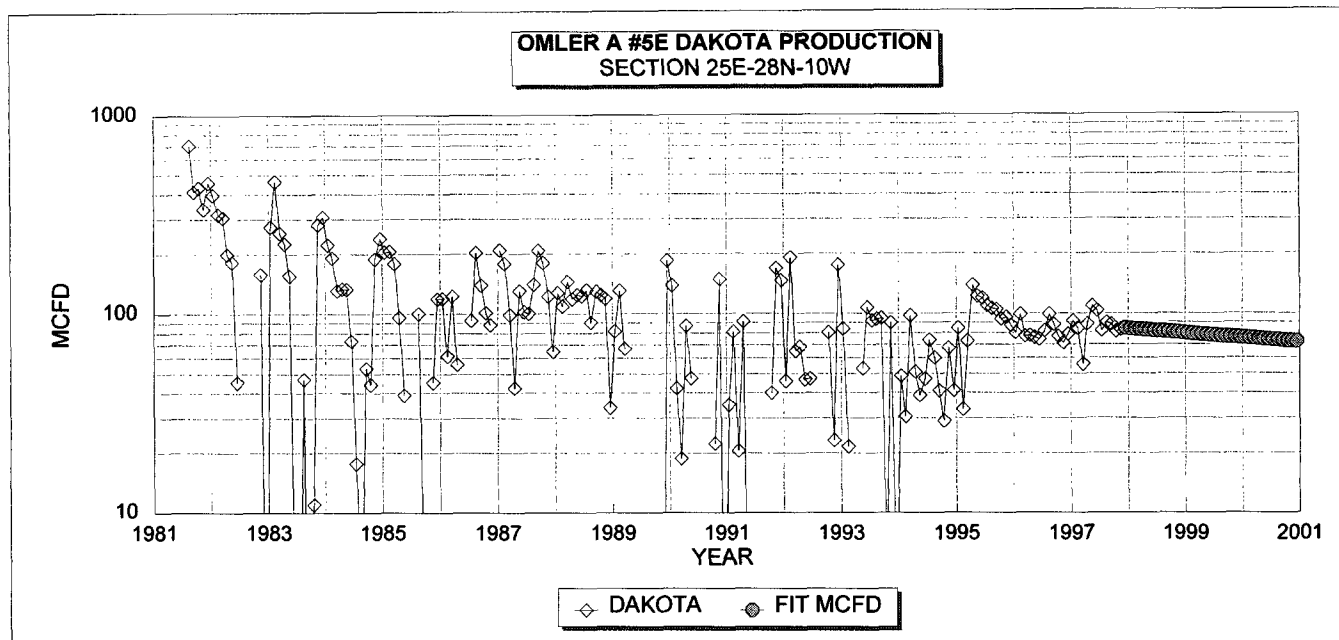
| The following facts are submitted in support of downhole commingling: | Upper Zone | Intermediate Zone | Lower Zone |
|--|--|-------------------|--|
| 1. Pool Name and Pool Code | Otero Chacra 82329 | | Basin Dakota 71599 |
| 2. TOP and Bottom of Pay Section (Perforations) | 2870-2981' | | 6268-6416' |
| 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 | | 565 |
| Gas & Oil - Flowing: Measured Current | b. (Original) | b. | b. |
| All Gas Zones: Estimated Or Measured Original | 680 | | 2203 |
| 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 40 MCFD, 0 BOPD, 0.5 BOPD | Date Rates | Date Rates 3/15/98 86 MCFD, 0.6 BOPD, 0 BOPD |
| 8. Fixed Percentage Allocation Formula - % for each zone | Oil: 0 % Gas 32 % | Oil: % Gas % | Oil: 100 % Gas 68 % |

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 4/27/98

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



DAKOTA HISTORICAL DATA: **1ST PROD: 06/81**

OIL CUM: **6.00 MBO**

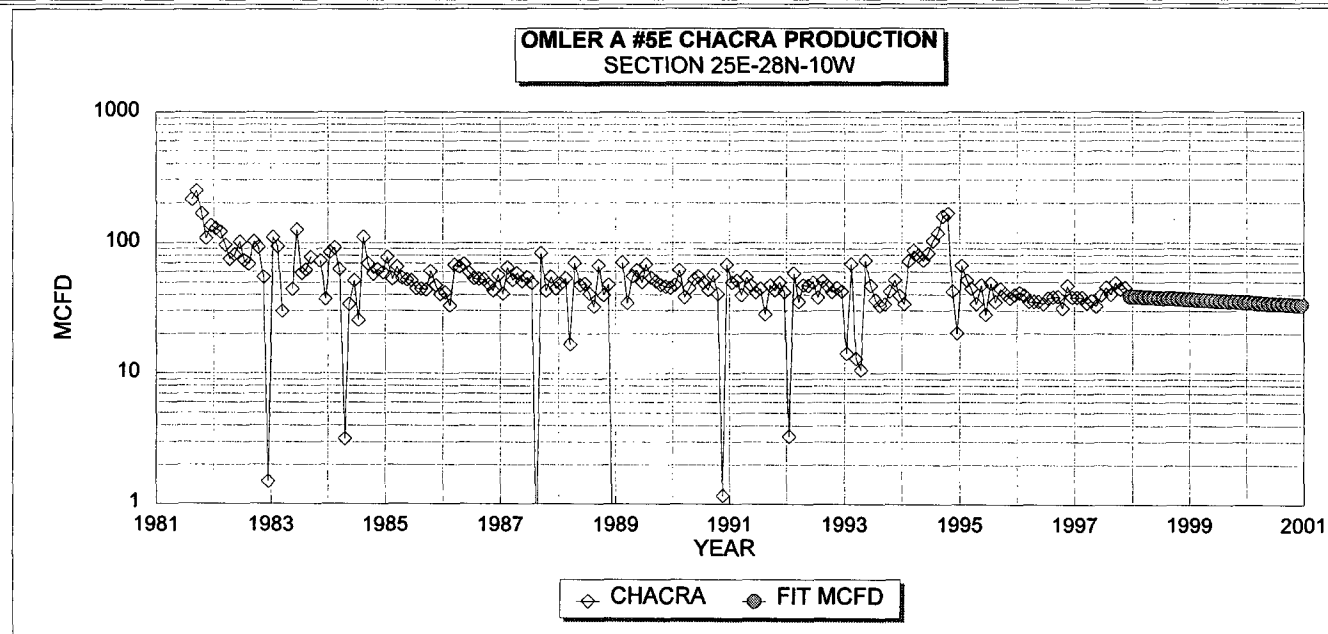
GAS CUM: **576.0 MMCF**

OIL YIELD: **0.0104 BBL/MCF**

DAKOTA PROJECTED DATA

1/1/98 Qi: **84 MCFD** **0.87 BOPD**

DECLINE RATE: **5.0% (EXPONENTIAL)**



CHACRA HISTORICAL DATA **1ST PROD: 07/81**

OIL CUM: **0.0 MBO**

GAS CUM: **326.3 MMCF**

OIL YIELD: **0.0000 BBL/MCF**

CHACRA PROJECTED DATA

1/1/98 Qi: **39 MCFD** **0.00 BOPD**

DECLINE RATE: **5.0% (EXPONENTIAL)**

FIXED COMMINGLE ALLOCATION FACTORS:

| | GAS | OIL |
|--------|-----|------|
| DAKOTA | 68% | 100% |
| CHACRA | 32% | 0% |

GAS ALLOCATION BASED ON PROJECTED 1998 RATES

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

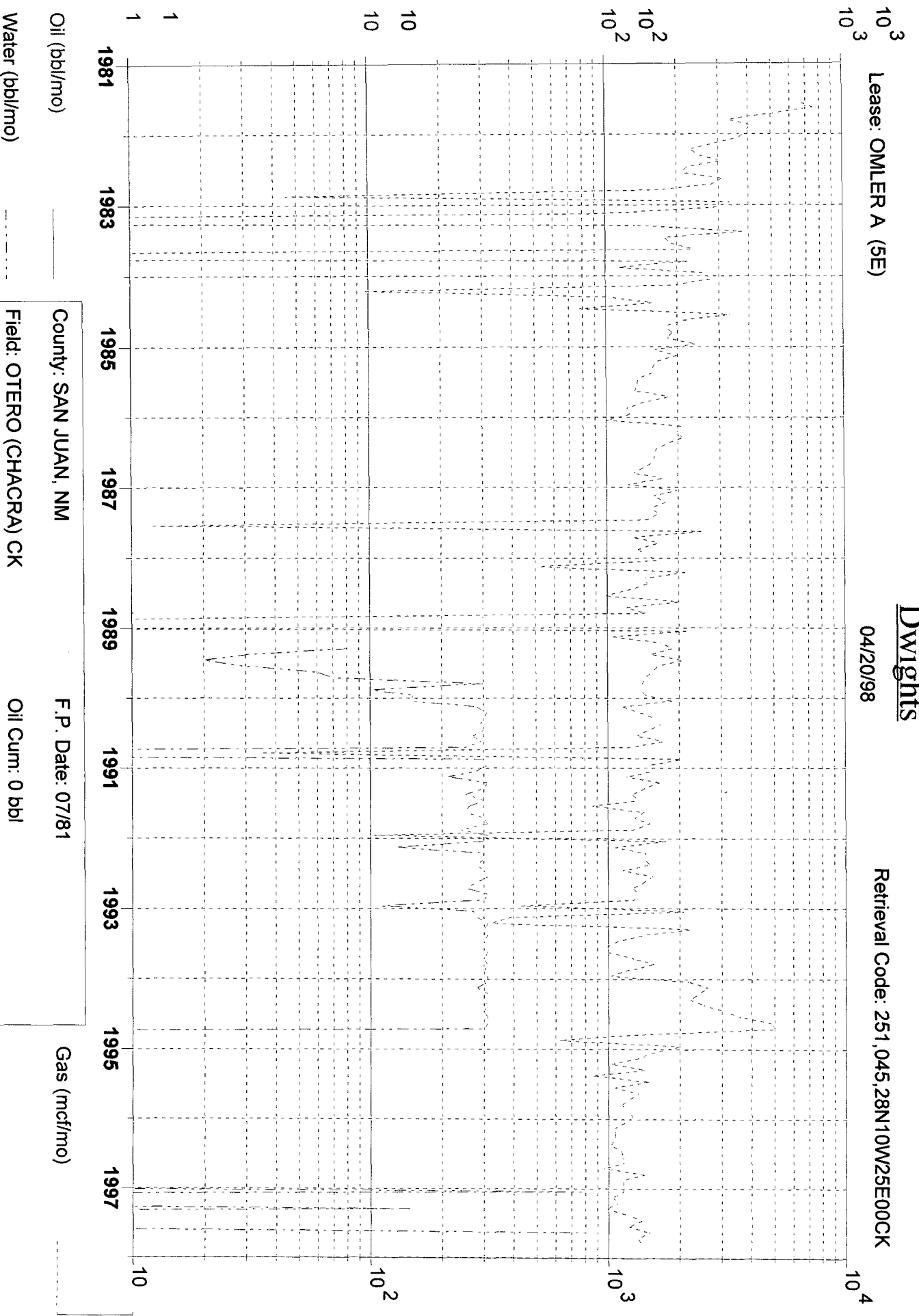
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: OMLER A (5E)

04/20/98

Retrieval Code: 251,045,28N10W25E00CK



County: SAN JUAN, NM

F.P. Date: 07/81

Field: OTERO (CHACRA) CK

Oil Cum: 0 bbl

Reservoir: CHACRA

Gas Cum: 326.3 mmcf

Operator: AMOCO PRODUCTION CO

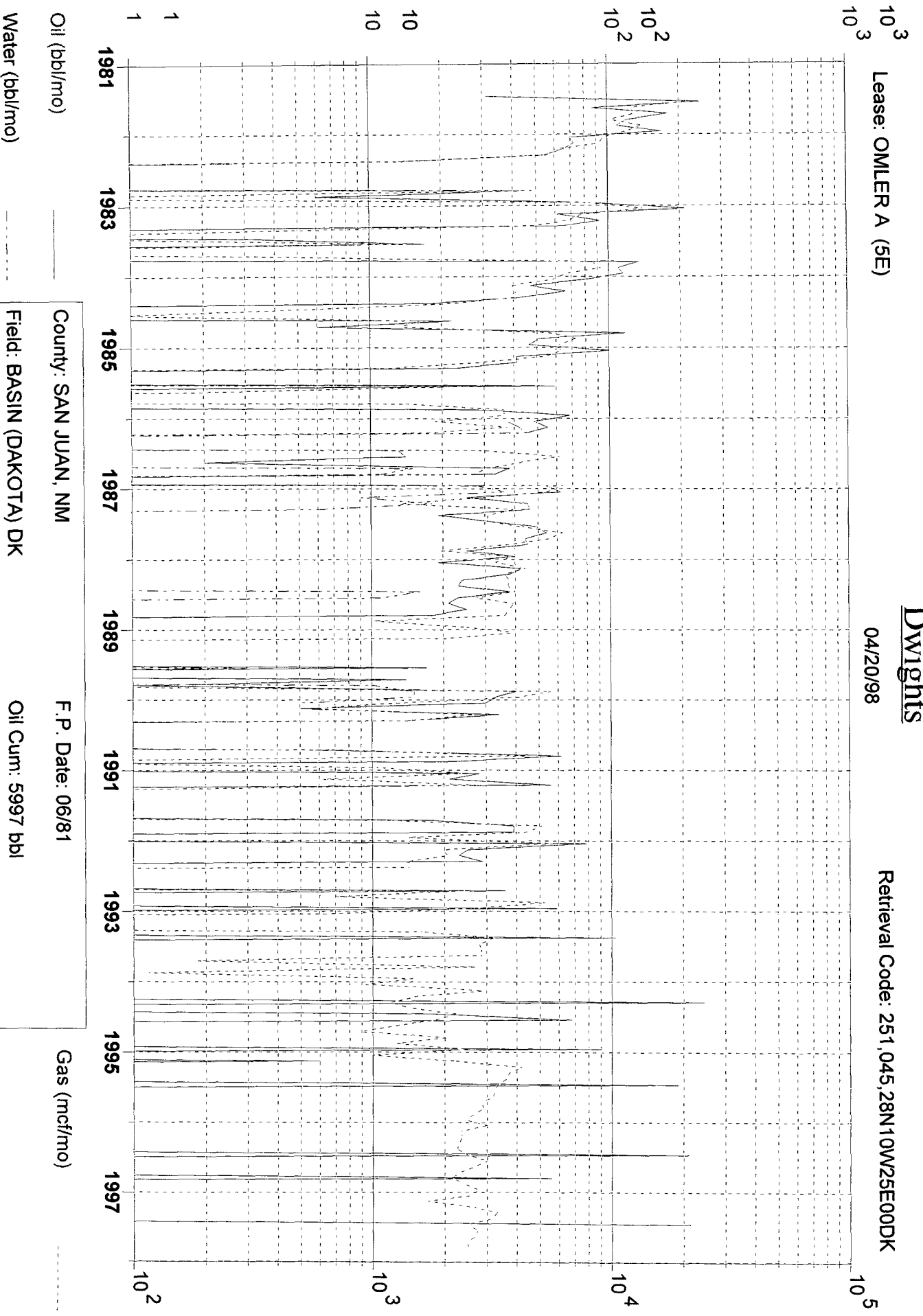
Location: 25E 28N 10W

Dwights

Lease: OMLER A (5E)

04/20/98

Retrieval Code: 251,045,28N10W25E00DK



County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 06/81

Oil Cum: 5997 bbl

Gas Cum: 576.0 mmcf

Location: 25E 28N 10W

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

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|----------------------------|--|---|--|-----------------------------|-----------------------|
| API Number 30-045-24110 | | 2 Pool Code 82329 | | 3 Pool Name Otero Chacra | |
| 4 Property Code | | 5 Property Name Olmer A | | | 6 Well Number # 5E |
| 7 OGRID No. 005073 | | 8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500 | | | 9 Elevation 5802' |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| E | 25 | 28N | 10W | | 1750 | North | 890 | Wesr | 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

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |

17 OPERATOR CERTIFICATION

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

Kay Maddox
Signature
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

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

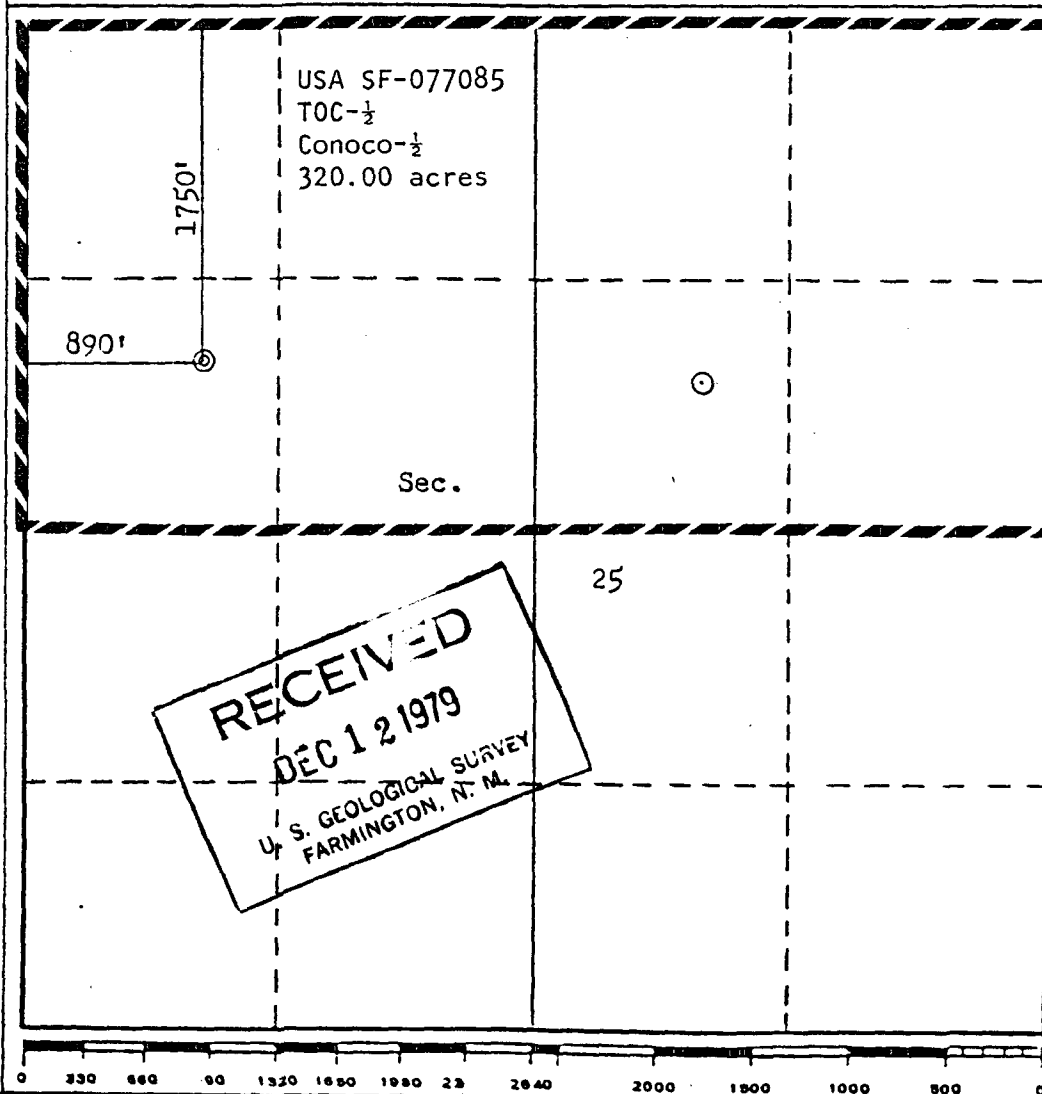
| | | | | |
|---|--------------------------------------|-----------------------------|---|---------------------------|
| Operator TENNECO OIL COMPANY | | Lease OMLER "A" | | Well No. 5-E |
| Unit Letter E | Section 25 | Township 28N | Range 10W | County San Juan |
| Actual Footage Location of Well: 1750 feet from the North line and 890 feet from the West line | | | | |
| Ground Level Elev. 5802 | Producing Formation Dakota | Pool Basin Dakota | Dedicated Acreage: 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.



| | |
|---|---------------------------------|
| CERTIFICATION | |
| I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. | |
| Name | <i>W. J. Schuman</i> |
| Position | TENNECO OIL COMPANY |
| Company | Staff Production Analyst |
| Date | 12-7-79 |
| 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 | <i>Frederick A. Kerr, Jr.</i> |
| Certificate No. | 3950 |
| ADMN 56089 | |

April 27, 1998

Omler A #5E
Section 25, T-28-N, R-10-W, E
San Juan County, New Mexico
API # 30-045-24110

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