

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

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

Lease Omler A Well No #6E Unit Ltr Sec Twp Rge Section 36, T-28-N, R-10-W, D County San Juan

OGRID NO. 005073 Property Code _____ API NO. 30-045-24208 Spacing Unit Lease Types: (check 1 or more)
Federal , State (and/or) Fee

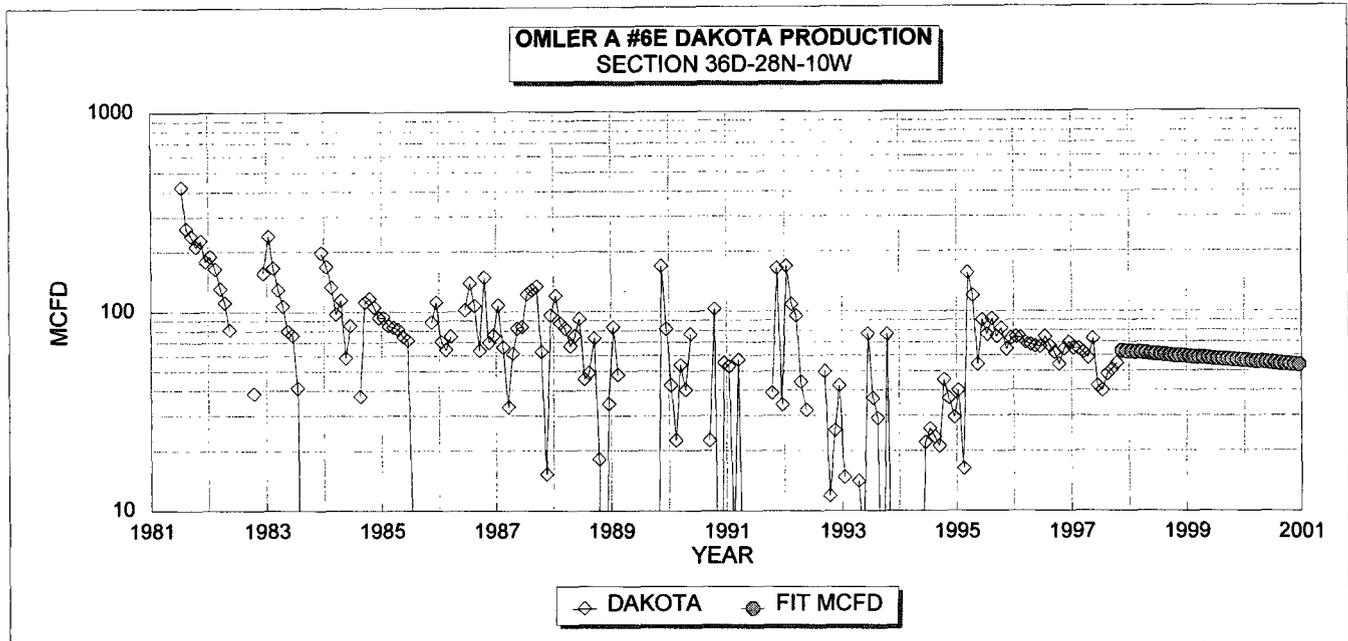
The following facts are submitted in support of downhole commingling:	Upper Zone	intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Otero Chacra 82329		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	2995-2999'		6309-6473'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 533	a.	a. 565
	b(Original) 681	b.	b. 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 lsst production Note For new zones with no production history applicant shad 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
	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 -% of each zone	oil: 2 % Gas 38 %	oil: % Gas %	oil: 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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

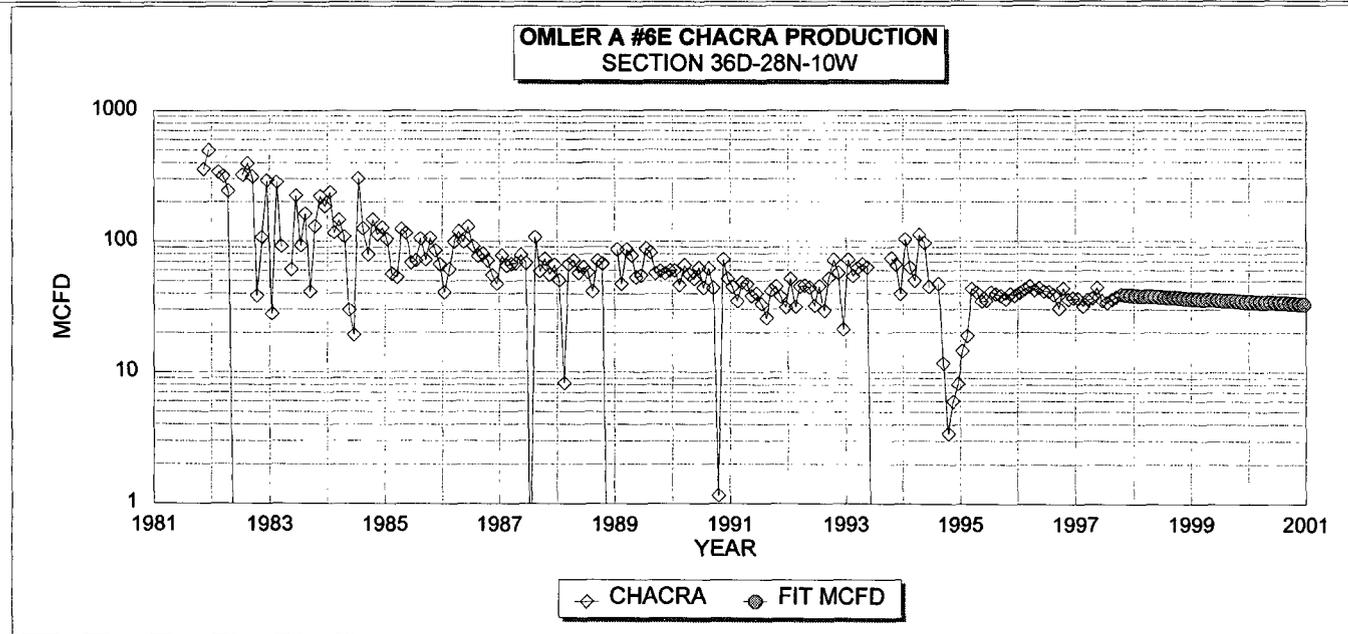
16. ATTACHMENTS
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - * Production curve for each zone for at least one year. (If not available, attach explanation.)
 - * For zones with no production history, estimated production rates and supporting data.
 - * 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: 07/81		DAKOTA PROJECTED DATA	
OIL CUM:	3.42 MBO	1/1/98 Qi:	62 MCFD	0.56 BOPD	
GAS CUM:	377.1 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)		
OIL YIELD:	0.0091 BBL/MCF				



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

FIXED COMMINGLE ALLOCATION FACTORS:		
	GAS	OIL
DAKOTA	62%	98%
CHACRA	38%	2%

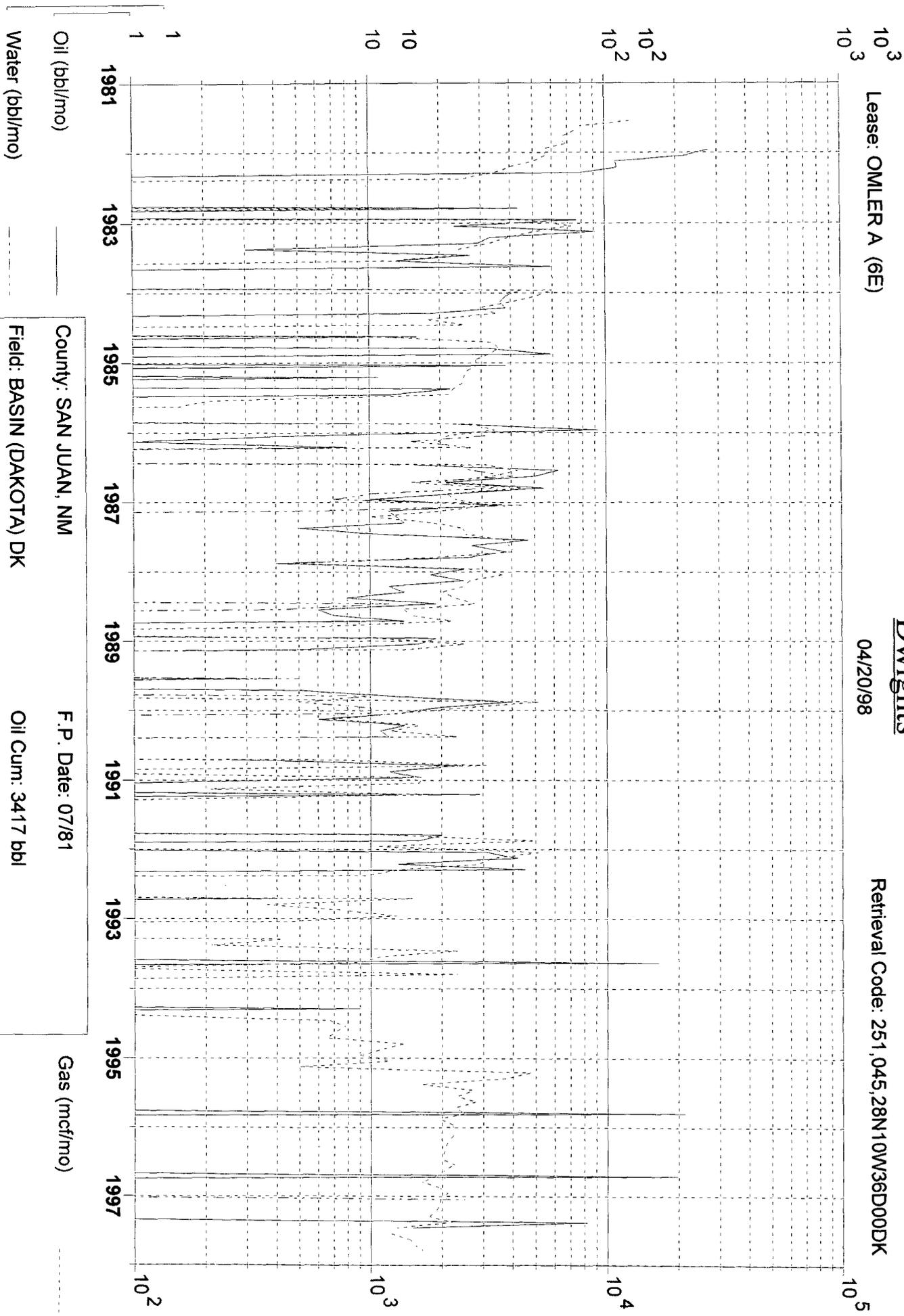
GAS ALLOCATION BASED ON PROJECTED 1998 RATES
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

04/20/98

Retrieval Code: 251,045,28N10W36D00DK

Lease: OMLER A (6E)



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

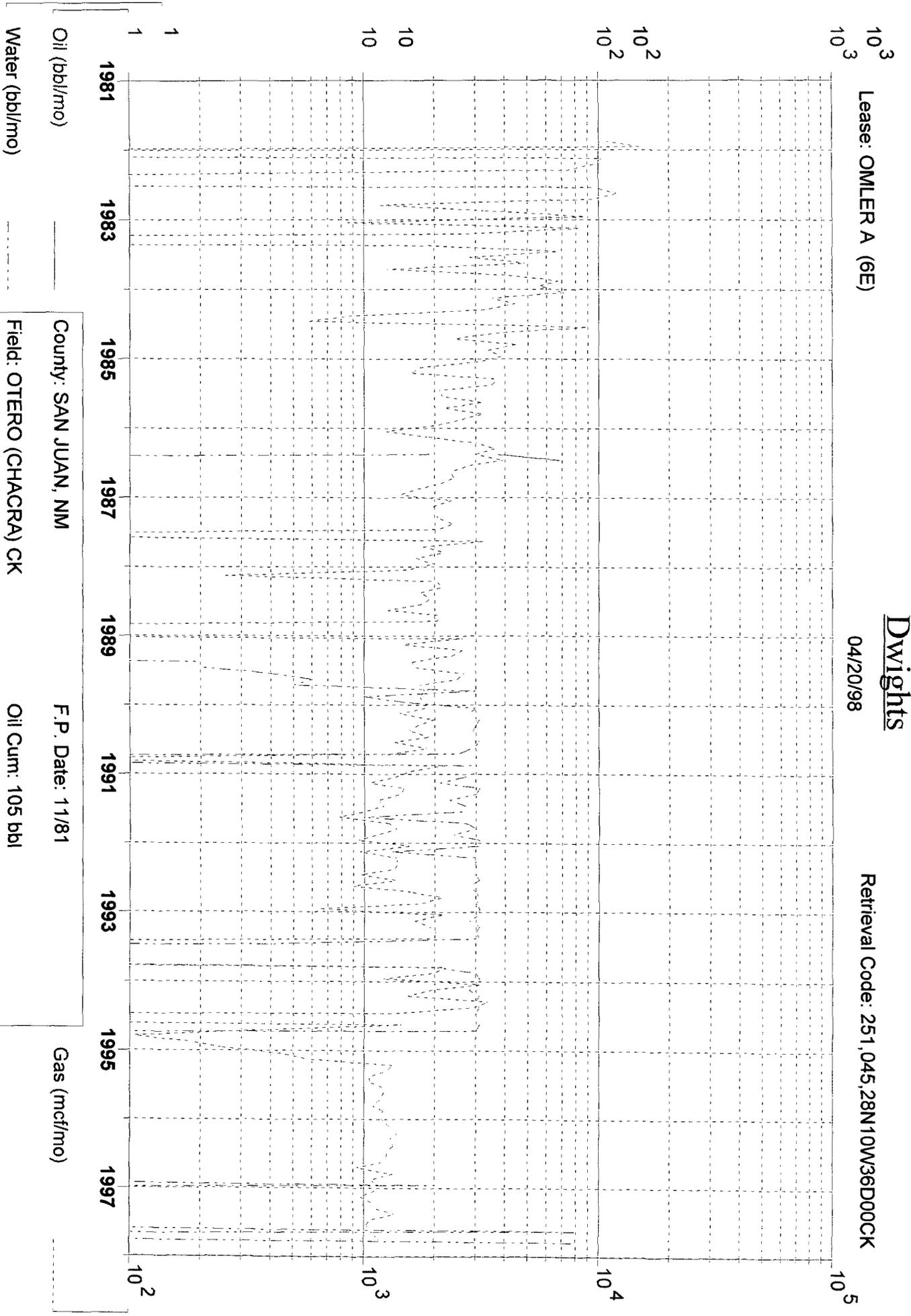
Location: 36D 28N 10W

Gas (mcf/mo)

Lease: OMLER A (6E)

Dwights
04/20/98

Retrieval Code: 251,045,28N10W36D00CK



County: SAN JUAN, NM	F.P. Date: 11/81
Field: OTERO (CHACRA) CK	Oil Cum: 105 bbl
Reservoir: CHACRA	Gas Cum: 434.7 mmcf
Operator: AMOCO PRODUCTION CO	Location: 36D 28N 10W

CONSERVATION DIVISION

NEW MEXICO
MINERALS DEPARTMENT

P. O. BOX 2068
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

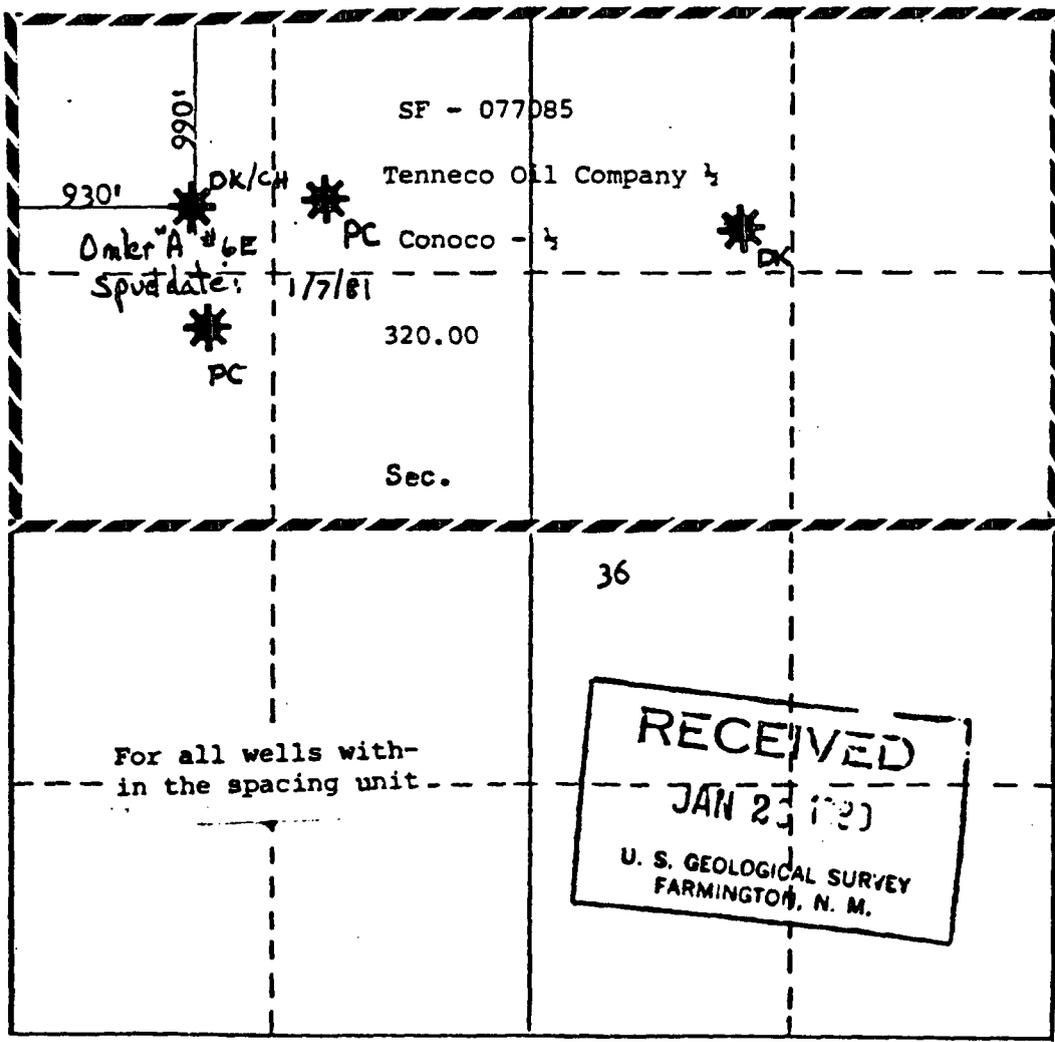
TENNECO OIL COMPANY			LOOSE		Well No. 6-E	
Letter J	Section 36	Township 28N	Range 10W	County San Juan		
Actual Footage Location of Well:						
990 feet from the North line and		930 feet from the West line				
Ground Level Elev. 5856	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 320.00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



CERTIFICATION

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

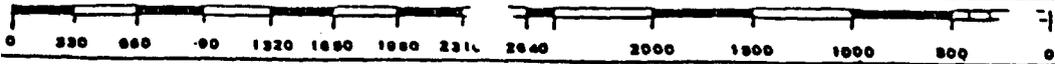
M. Lee Freeman
 Name
 Position M. Lee Freeman
 Company Staff Production Analyst
 Tenneco Oil Company
 Date 1-25-80

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 November 30, 1979
 Registered Professional Engineer and/or Land Surveyor
Fred B. ...
 Certificate No. 3950

For all wells within the spacing unit

RECEIVED
 JAN 25 1980
 U. S. GEOLOGICAL SURVEY
 FARMINGTON, N. M.



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

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

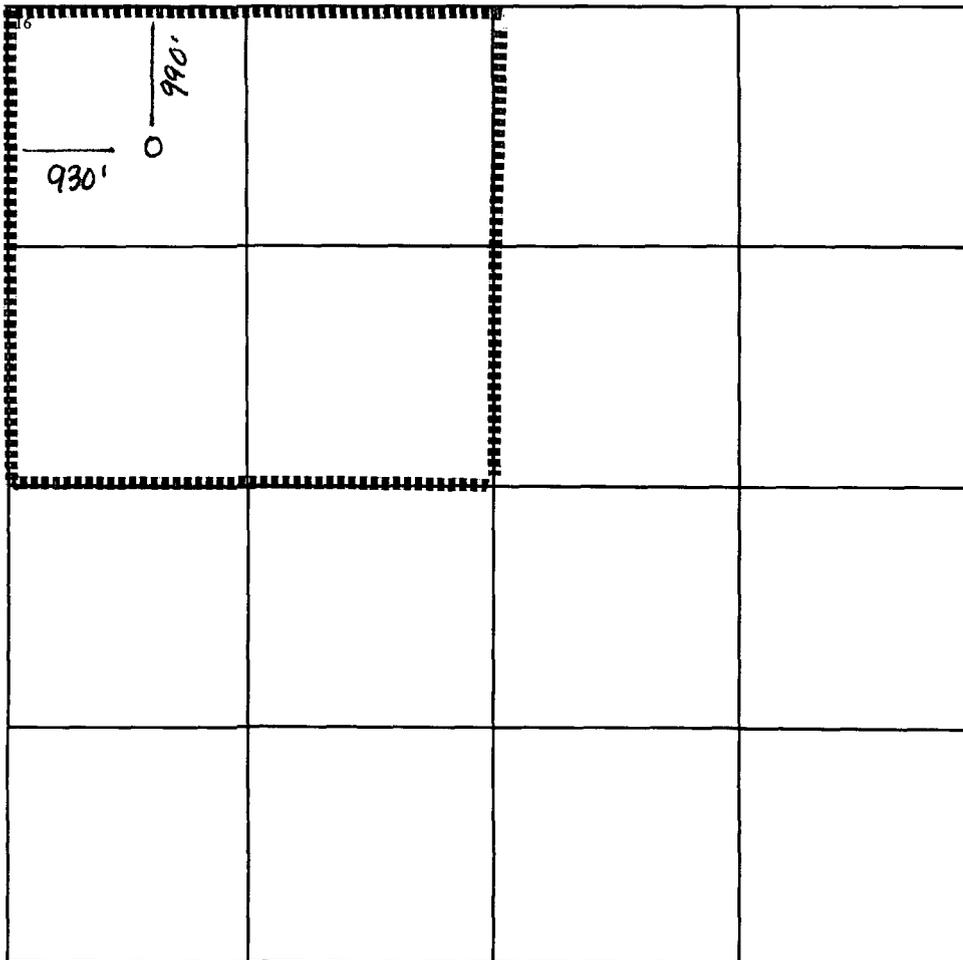
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	28N	10W		990	North	930	Wesr	San Juan

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.
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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



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: Kay Maddox
Title: Regulatory Agent
Date: 4/20/98

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