

## 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 87410-1893

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 ☐ NOOperator Conoco Inc. Address 10 Desta Dr, Ste 100W, Midland TX 79705Lessee Jicarilla E Well No. 10E Unit Ltr. - Sec - Twp - Rge B-22-26N-4W County Rio ArribaOGRID NO. 005073 Property Code 18022 API NO. 30-039-23002 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	Blanco Mesaverde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	5597' - 5719'		7675' - 7846'
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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 965 psia b. (Original) 1350 psia	a.  b.	a. 990 psia b. 2570 psia
6. Oil Gravity (°API) or Gas BTU Content	1270 BTU		1303 BTU
7. Producing or Shut-In?	Producing		Shut-in
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: 11/94 Rates: rates proj.to mid-yr. 1996
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 1996 mid-yr Rates: 143 mcf/gpd .6 bopd, 0 bwpd	Date: Rates:	Date: 1996 mid-yr Rates: 115 mcf/gpd 3 bopd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 13 % Gas: 55 %	Oil: % Gas: %	Oil: 87 % Gas: 45 %

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 other? ☐ 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. 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 Jerry W. Hoover TITLE Sr. Conservation Coordinator DATE 6/28/96TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. ( 915 ) 686-6549

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  
Minerals & Natural Resources Department

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

Form C-11  
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

<sup>1</sup> API Number 30-039-23002	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesa Verde
<sup>4</sup> Property Code 007691	<sup>5</sup> Property Name Jicarilla E	<sup>6</sup> Well Number 10E
<sup>7</sup> OGRID No. 014591	<sup>8</sup> Operator Name Merit Energy Company	<sup>9</sup> Elevation 6805

<sup>10</sup> Surface Location

UL or lot no. B	Section 22	Township 26N	Range 4W	Lot Idn	Feet from the 10000	North/South line North	Feet from the 1850	East/West line East	County Rio Arriba
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<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

16								<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Sheryl J. Carruth</i> Signature Sheryl J. Carruth Printed Name Regulatory Manager Title 9-27-94 Date</p> <p><sup>18</sup> SURVEYOR CERTIFICATION</p> <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> <p>_____ Date of Survey _____ Signature and Seal of Professional Surveyor:</p> <p>_____ Certificate Number</p>

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

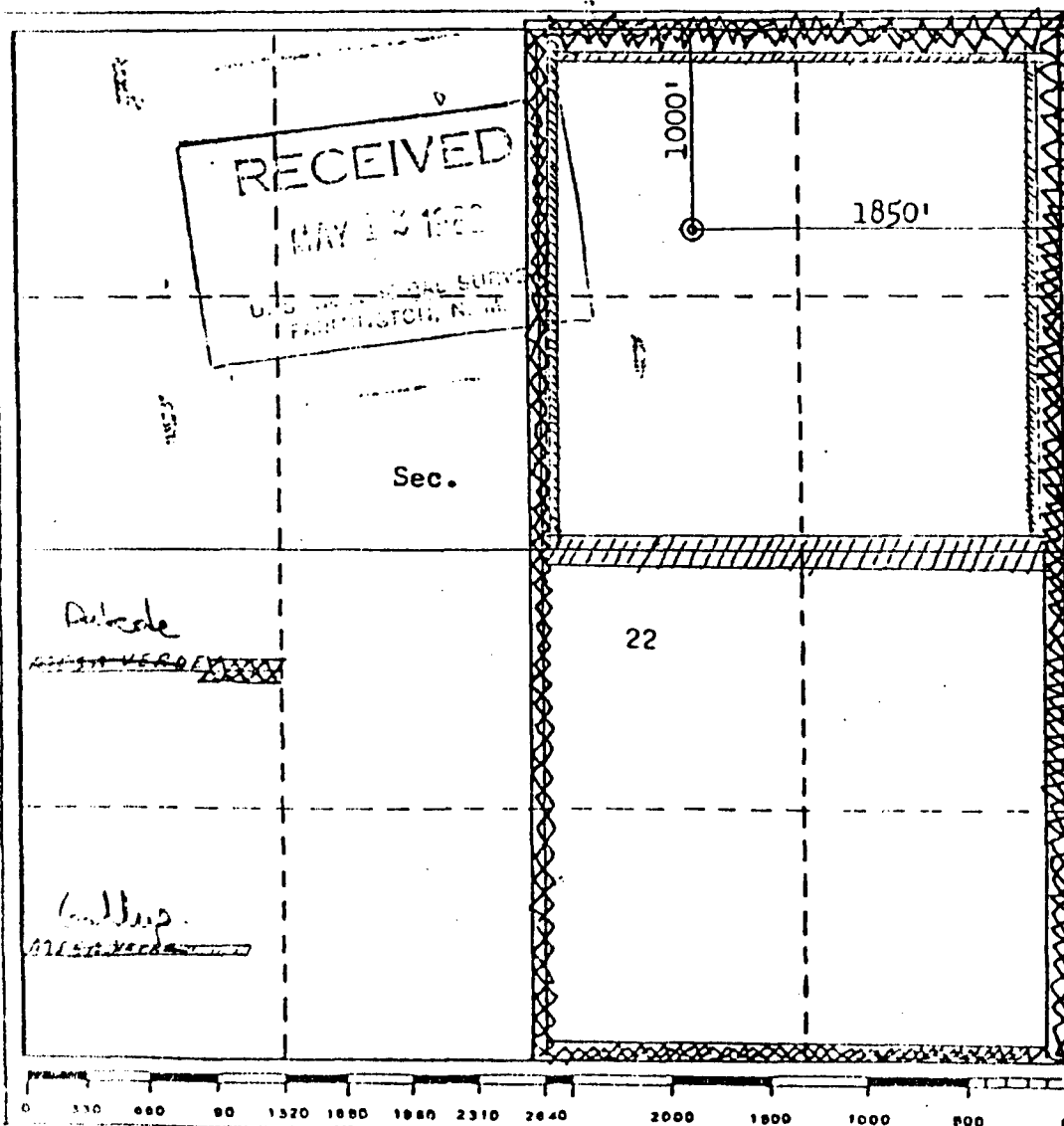
Operator <b>SOUTHERN UNION EXPLORATION COMPANY</b>			Lease <b>JICARILLA "E"</b>		Well No. <b>10 E<sub>1</sub></b>
Unit Letter <b>B</b>	Section <b>22</b>	Township <b>26N</b>	Range <b>4W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
1000 feet from the North line and		1850 feet from the East line			
Ground Level Elev. <b>6805</b>	Producing Formation <b>Gallup Dakota</b>		Pool <b>Wildhorse Gallup/Basin Dakota</b>		Dedicated Acreage: <b>320</b>

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.

Name  
*Michael L. Davis*

Position  
*Division Mgr.*

Company  
*Southern Union Ex.*

Date  
*May 12, 1982*

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

April 1982  
Registered Professional Engineer  
and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.

3950

# Dwights

Lease: JICARILLA E 00010E

Retrieval Code: 251,039,26N04W22B00DK

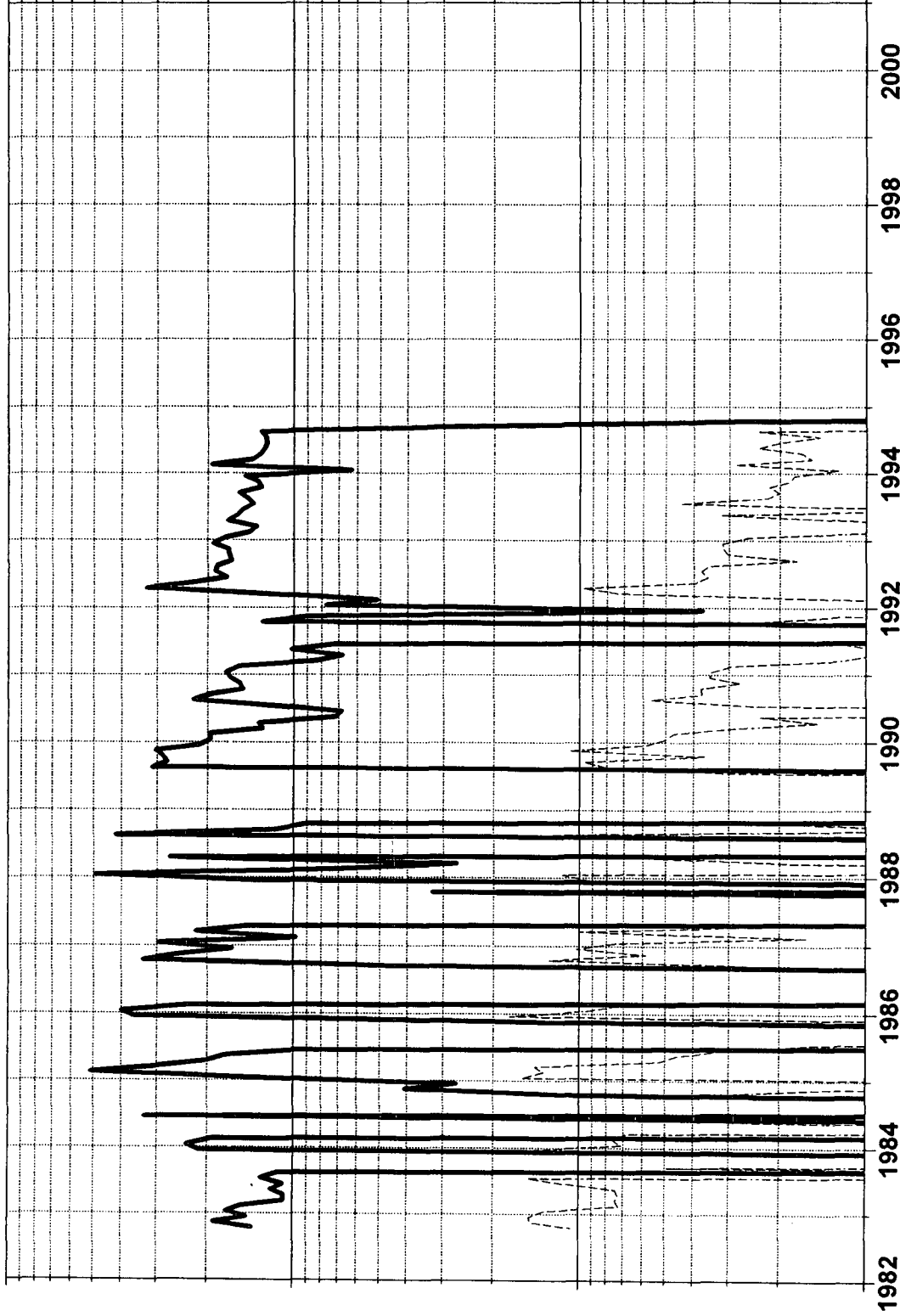
05/20/96

10<sup>3</sup>  
10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

Well Count

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 10/82

Oil Cum: 16.42 mbbl

Gas Cum: 520.7 mmcf

Location: 22B 26N 4W

# Dwights

Lease: JICARILLA E 10E

Retrieval Code: 251,039,0392300272319

05/20/96

10<sup>3</sup>  
10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1

2000

1998

1996

1994

Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

Well Count

County: RIO ARRIBA, NM

F.P. Date: 09/94

Field: BLANCO (MESAUERDE) MV

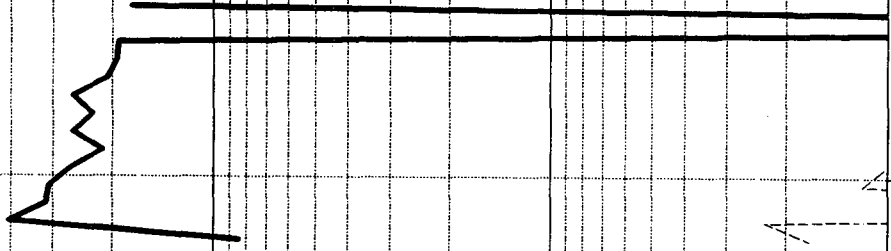
Oil Cum: 383 bbl

Reservoir: MESAUERDE

Gas Cum: 94.53 mmcf

Operator: CONOCO INC

Location: 22B 26N 4W



Dwights

Lease: JICARILLA E 00010E

Retrieval Code: 251,039,26N04W22B00GP

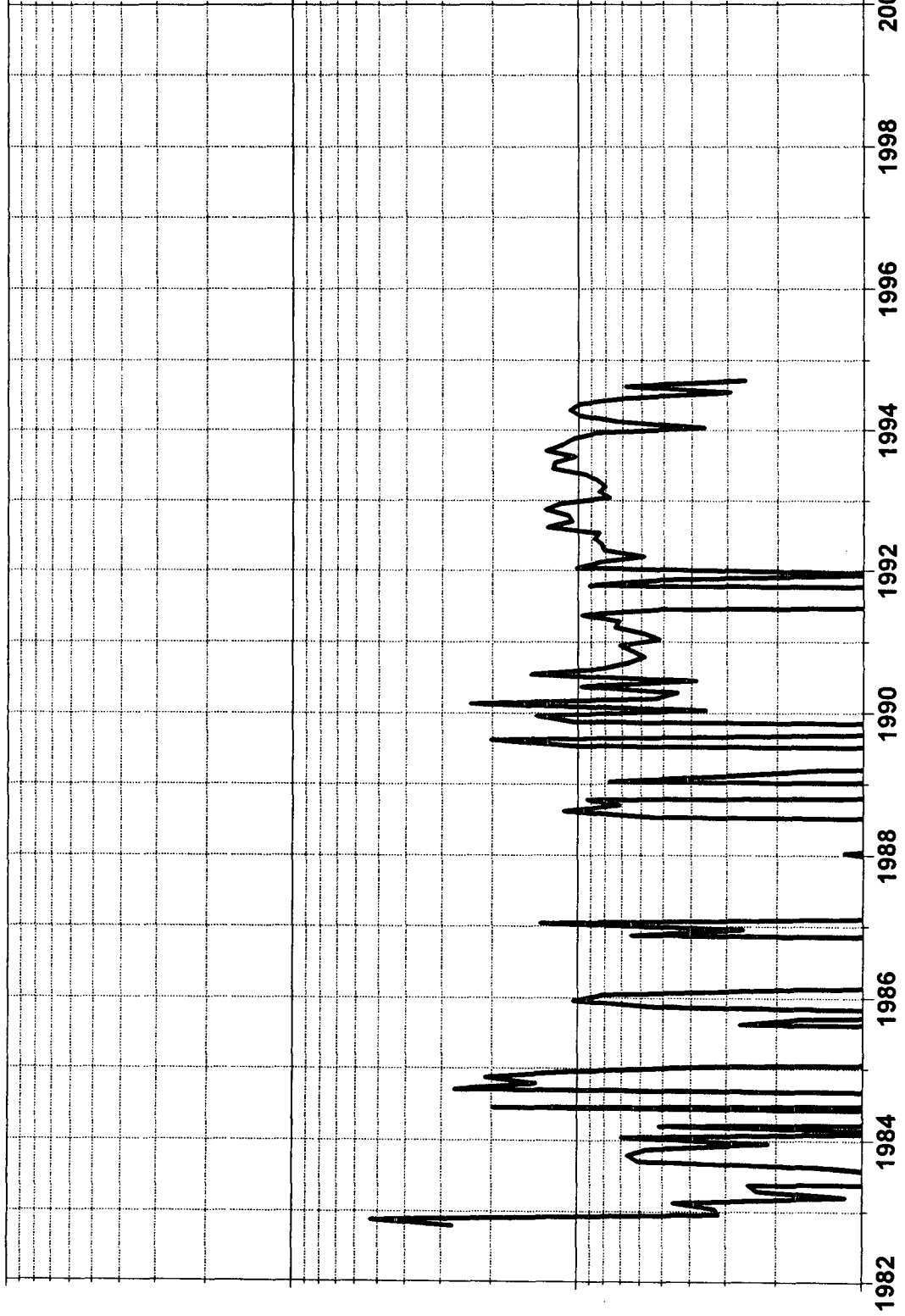
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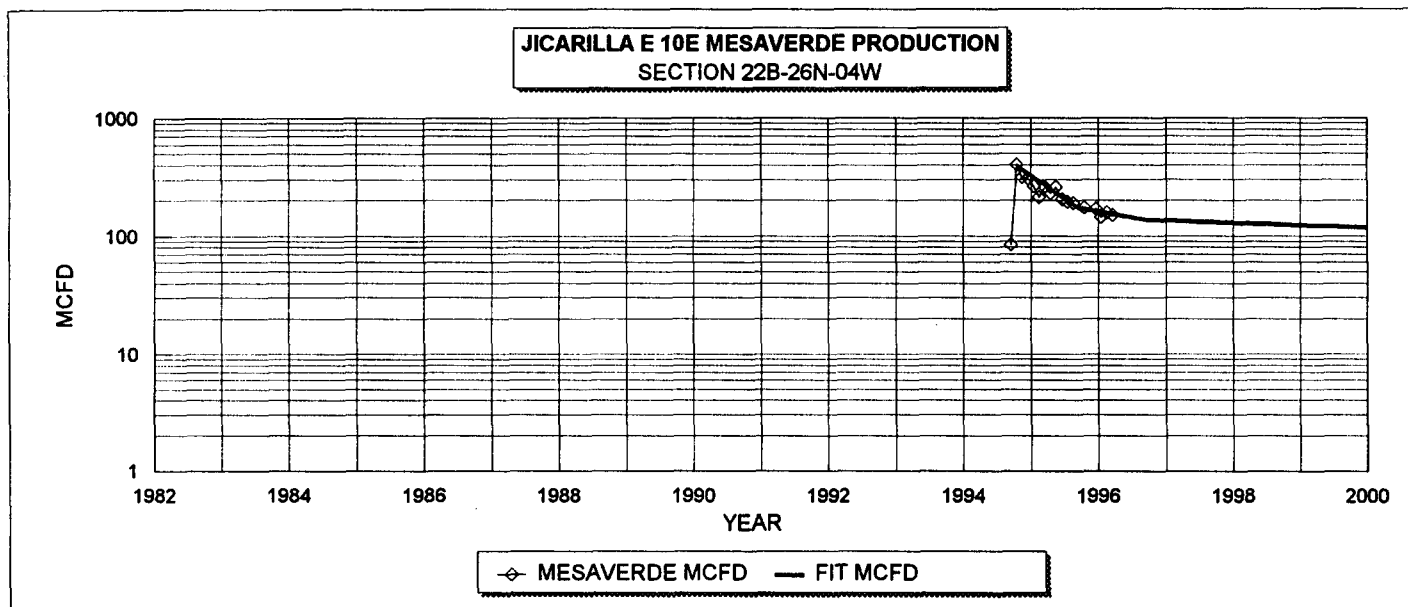
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1  
1



Gas (mcf/day)	County: RIO ARRIBA, NM	F.P. Date: 10/82	Oil (bbl/day)
Water (bbl/day)	Field: WILD HORSE (GALLUP) GP	Oil Cum: 0 bbl	Well Count
	Reservoir: GALLUP	Gas Cum: 25.34 mmcf	
	Operator: CONOCO INC	Location: 22B 26N 4W	

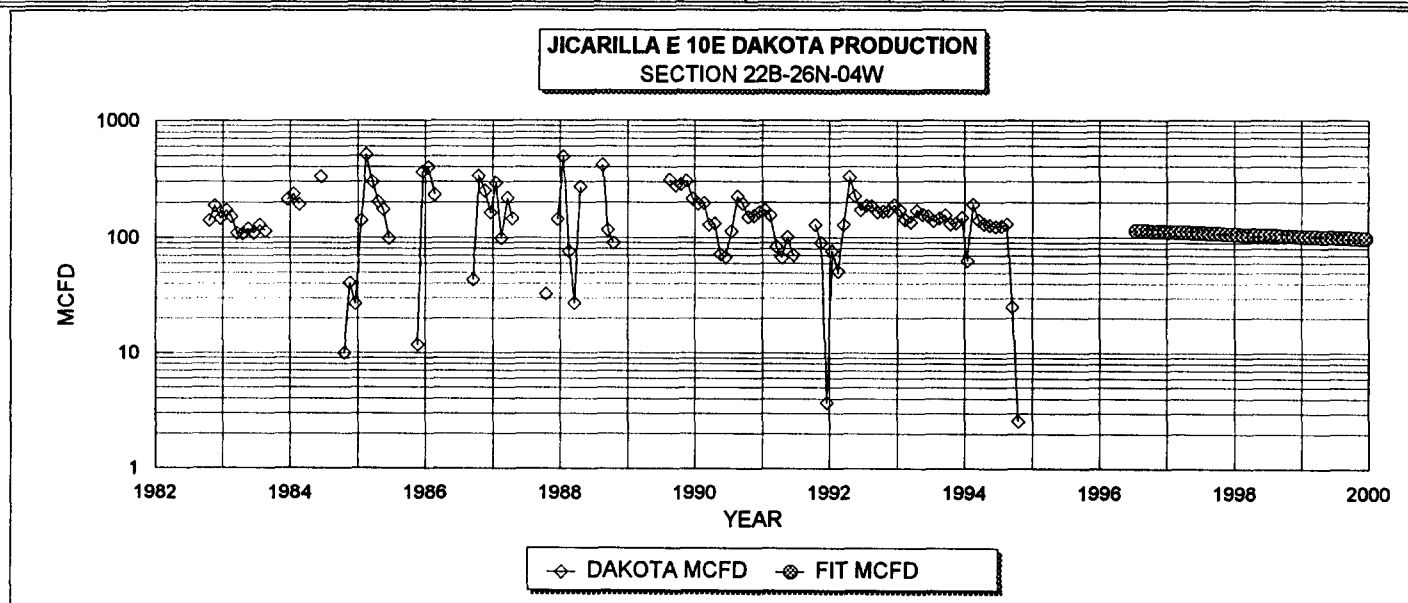


**MESAVERDE HISTORICAL DATA: 1ST PROD: 9/94**

OIL CUM: 0.38 MBO  
GAS CUM: 94.5 MMCF  
OIL YIELD: 0.0041 BBL/MCF

**MESAVERDE PROJECTED DATA**

7/1/96 Q1: 143 MCFD  
DECLINE RATE: 20.0% (THROUGH 9/96)  
DECLINE RATE: 4.5% (10/96 FORWARD)



**DAKOTA HISTORICAL DATA 1ST PROD: 10/82**

OIL CUM: 16.4 MBO  
GAS CUM: 520.7 MMCF  
OIL YIELD: 0.0315 BBL/MCF

**DAKOTA PROJECTED DATA**

7/1/96 Q1: 115 MCFD  
DECLINE RATE: 4.5% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
DAKOTA:	45%	87%
MESAVERDE:	55%	13%

GAS ALLOCATION BASED ON TABLE AT RIGHT  
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YEL

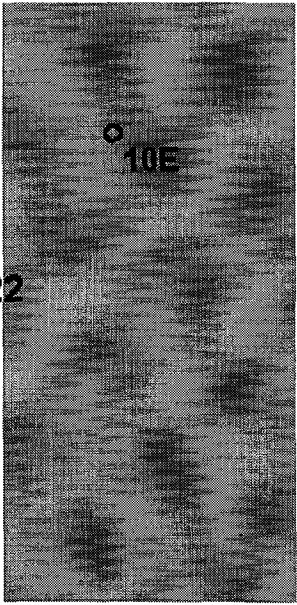
YEAR	YRLY AVG MV MCFD	YRLY AVG DK MCFD	ALLOC. %MV	ALLOC. %DK
1996	139	114	55%	45%
1997	133	110	55%	45%
1998	127	105	55%	45%
1999	121	100	55%	45%
2000	116	96	55%	45%
2001	111	91	55%	45%

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA; 1996 MV DATA FROM CONOCO

NOTE: YRLY AVG FOR 1996 IS 2ND HALF ONLY

# Jicarilla "E" No. 10E

## OFFSET OPERATORS

16  Conoco	15  Conoco	14  Conoco
Conoco  21	 22  Conoco	Conoco  23
Meridian  28	Meridian  27	Conoco  26

Township 26N --- Range 4W