

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

Conoco Inc.

10 Desta Dr., Ste 100W, Midland, TX 79705-4500

Operator

Address

Reames COM

2

B-19, T-26-N,R-6-W

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 16606 API NO. 30-039-23172 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	Mesa Verde 72319		Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	5166-5285'		7174-7341'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottom hole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	387 PSIA		523 PSIA
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1033 PSIA		2925 PSIG
6. Oil Gravity (*API) or Gas BTU Content	1326		1197
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, give date and oil/gas/water rates of recent test (within 60 days)	Date Rates 7/97 114 MCFD, .97 BOPD, 0 BWPD	Date Rates	Date Rates 7/97 109 MCFD, 0.7 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	oil: 59 % Gas 51 %	oil: % Gas %	oil: 41 % Gas 49 %

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  
\* CONOCO is the offset operator

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 Jerry W. Hoover TITLE Sr. Conservation Coord. DATE 8/1/97

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

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

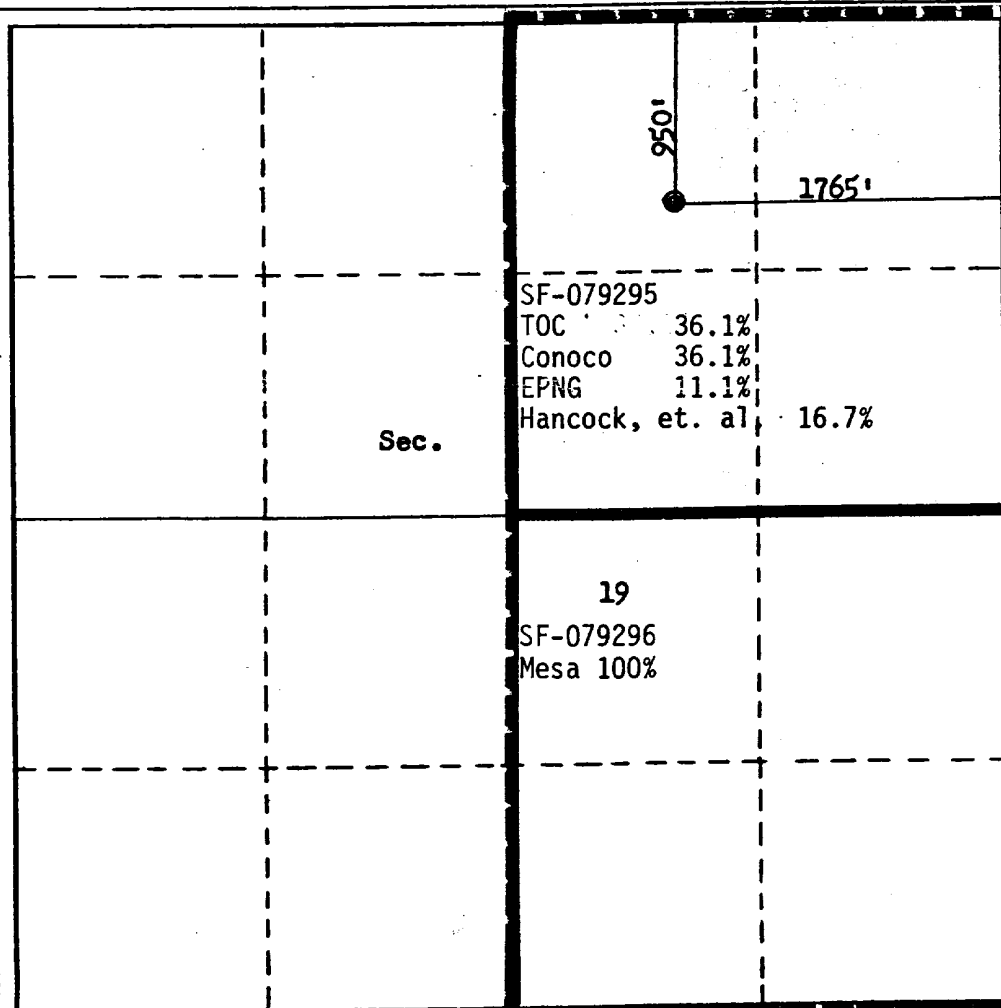
Operator <b>TENNECO OIL COMPANY</b>		Lease <b>[REDACTED]</b>		Well No. <b>[REDACTED]</b>
Unit Letter <b>B</b>	Section <b>19</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>
Actual Footage Location of Well: <b>950</b> feet from the <b>North</b> line and <b>1765</b> feet from the <b>East</b> line				
Ground Level Elev. <b>6639</b>	Producing Formation <b>Mesaverde/Dakota</b>	Pool <b>Blanco Mesaverde/Basin Dakota</b>	Dedicated Acreage: <b>320</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 communitization

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.

*[Signature]*

Name

John Orr

Position

Production Analyst

Company

Tenneco Oil Company

Date

November 29, 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

July 22, 1982

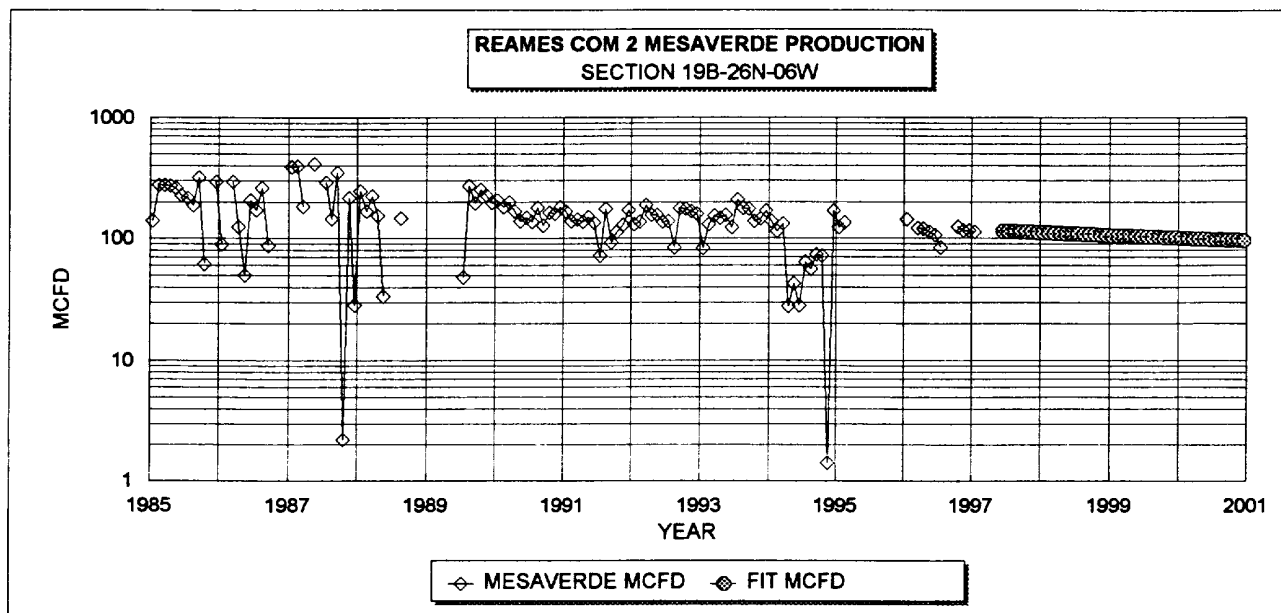
Registered Professional Engineer and/or Land Surveyor

*[Signature]*  
Fred B. Kerr Jr.

Certificate No.

3950

8. KERR, Jr.

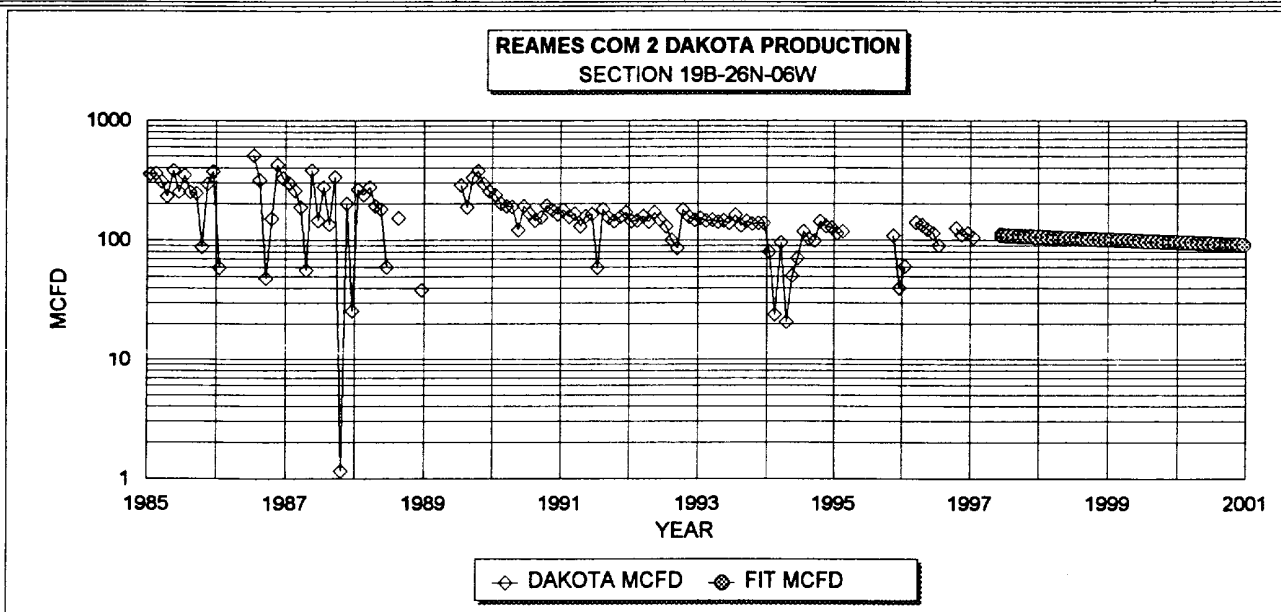


**MESAVERDE HISTORICAL DATA:** 1ST PROD: 01/85

OIL CUM:	4.68 MBO
GAS CUM:	648.7 MMCF
OIL YIELD:	0.0085 BBL/MCF

**MESAVERDE PROJECTED DATA**

7/1/97 Q1:	114 MCFD
DECLINE RATE:	5.0% (EXPONENTIAL)



**DAKOTA HISTORICAL DATA** 1ST PROD: 01/85

OIL CUM:	4.0 MBO
GAS CUM:	627.2 MMCF
OIL YIELD:	0.0064 BBL/MCF

**DAKOTA PROJECTED DATA**

7/1/97 Q1:	109 MCFD
DECLINE RATE:	5.0% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
MESAVERDE:	51%	59%
DAKOTA	49%	41%

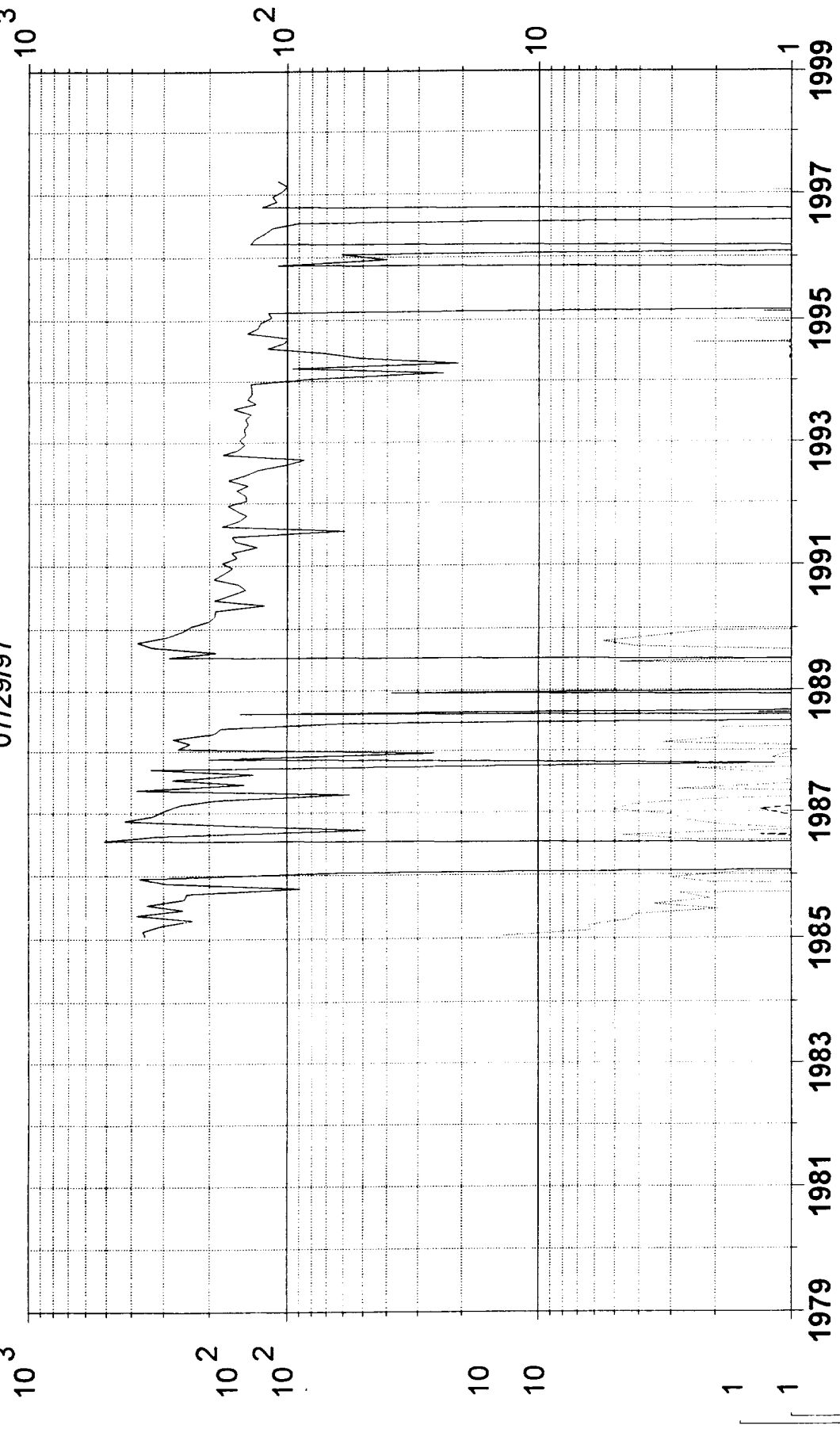
GAS ALLOCATION BASED ON PROJECTED 1997 RATES  
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: REAMES COM (2)

Retrieval Code: 251,039,26N06W19B00DK  
07/29/97



Gas (mcf/day)

Oil (bbl/day)

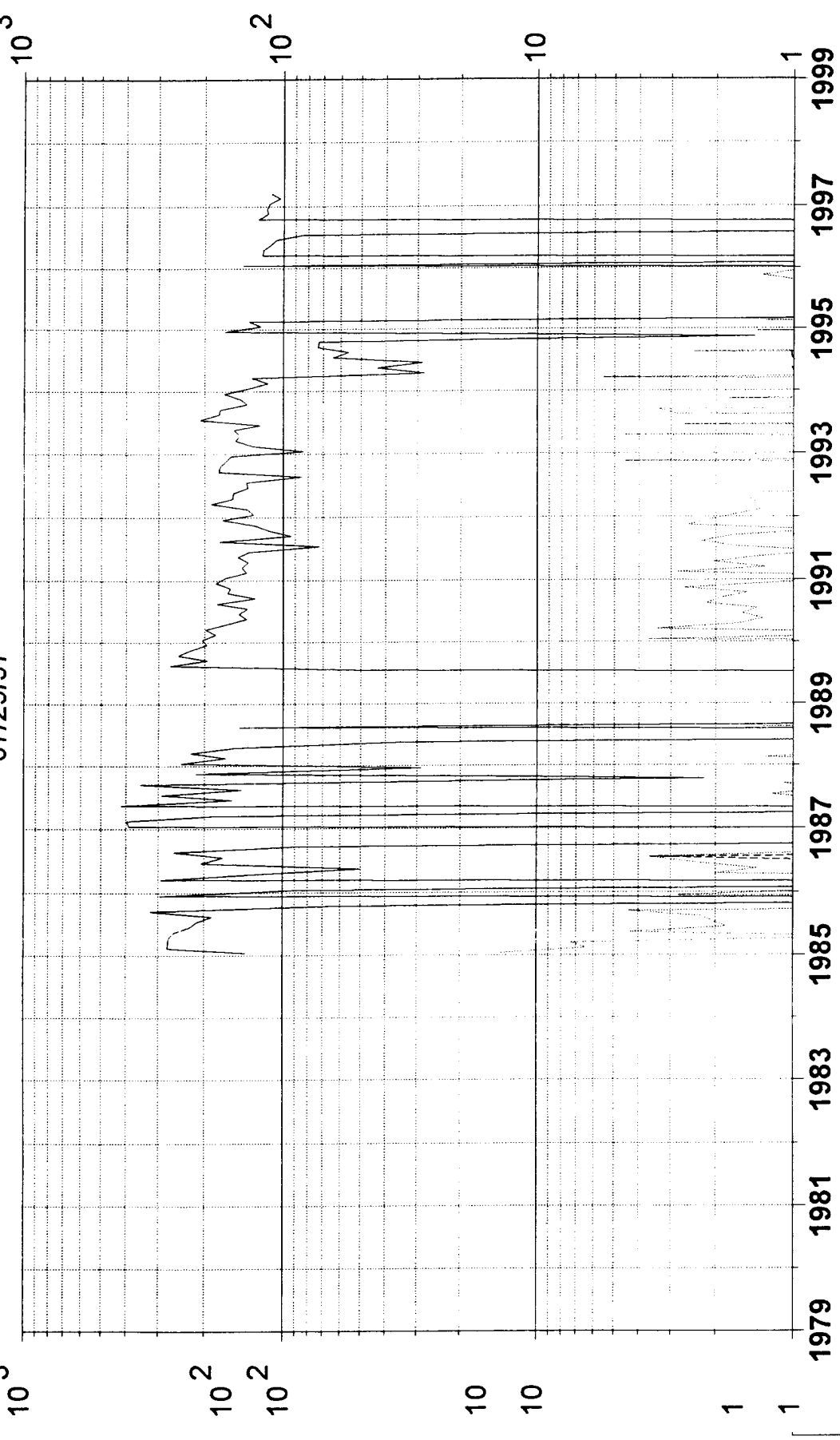
Water (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 01/85
Field: BASIN (DAKOTA) DK	Oil Cum: 3983 bbl
Reservoir: DAKOTA	Gas Cum: 633.5 mmcf
Operator: CONOCO INC	Location: 19B 26N 6W

Dwights

Lease: REAMES COM (2)

Retrieval Code: 251,039,26N06W19B00MV  
07/29/97



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 01/85
Field: BLANCO (MESAVERDE)	Oil Cum: 4708 bbl
Reservoir: MESAVERDE	Gas Cum: 555.2 mmcf
Operator: CONOCO INC	Location: 19B 26N 6W