

DHC 5/12/97

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
San Juan 28-7

Well No
98

Unit Ltr Sec Twp Rge
G-29-T27N-R7W

County
Rio Arriba

OGRID NO. 005073

Property Code 16608

API NO. 30-039-06902

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	Mesa Verde 72319		Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	5204' - 5314'		7268' - 7430'
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	470 psia		636 psia
Gas & Oil - Flowing: Measured Current	b (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1143		2240
6. Oil Gravity (*API) or Gas BT Content	1343		1289
7. Producing or Shut-in?	Shut-in		Shut-in
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/ water rates of last production	Date 1/97 avg. Rates 86 mcf/d; 0.3 bopd	Date	Date 1/97 avg. Rates 46 mcf/d; 1.4 bopd
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	Date	Date
	Rates	Rates	Rates
8. Fixed Percentage Allocation Formula - % for each zone	oil: 18 % Gas 65 %	oil: % Gas %	oil: 82 % Gas 35 %

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 offset operator to all San Juan 28-7 Unit wells.
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

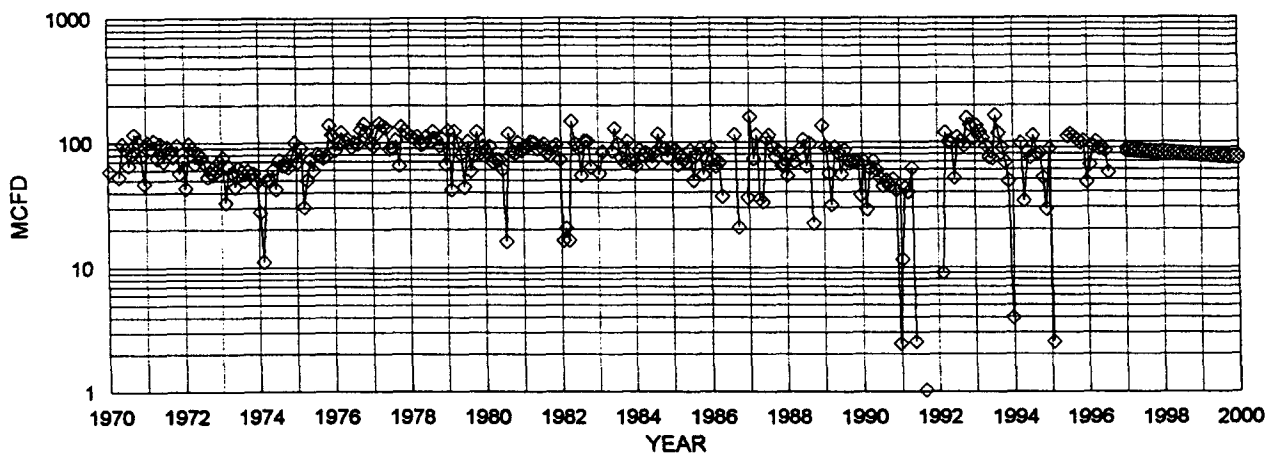
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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 1/27/97

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

SAN JUAN 28-7 UNIT NO. 98 MESAVERDE PRODUCTION
SECTION 29G-27N-07W



◇ MESAVERDE MCFD — FIT MCFD

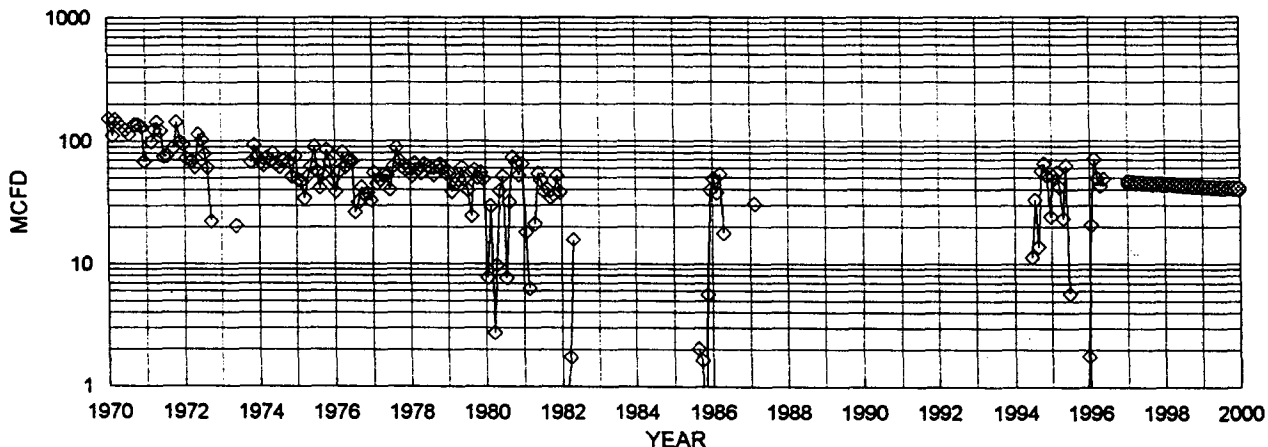
MESAVERDE HISTORICAL DATA: 1ST PROD: 4/69

OIL CUM: 3.57 MBO
GAS CUM: 1049.0 MMCF
OIL YIELD: 0.0034 BBL/MCF

MESAVERDE PROJECTED DATA

1/1/97 Qi: 86 MCFD
DECLINE RATE: 4.5% (EXPONENTIAL)

SAN JUAN 28-7 UNIT NO. 98 DAKOTA PRODUCTION
SECTION 29G-27N-07W



◇ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA 1ST PROD: 4/69

OIL CUM: 15.6 MBO
GAS CUM: 627.5 MMCF
OIL YIELD: 0.0296 BBL/MCF

DAKOTA PROJECTED DATA

1/1/97 Qi: 46 MCFD
DECLINE RATE: 4.5% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

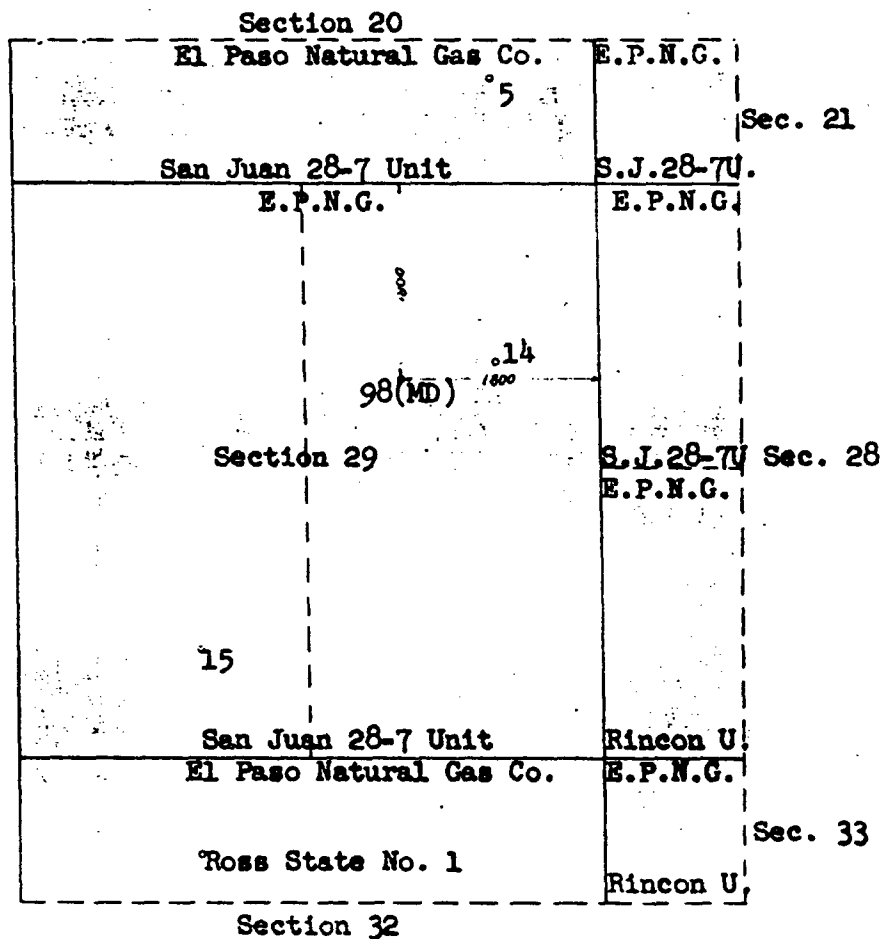
	GAS	OIL
MESAVERDE	65%	18%
DAKOTA	35%	82%

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

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. San Juan 28-7 Unit No. 98 (MD)
and Offset Acreage

T-27-N
R-7-W



EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE

DATE

No.

DRAWN BY

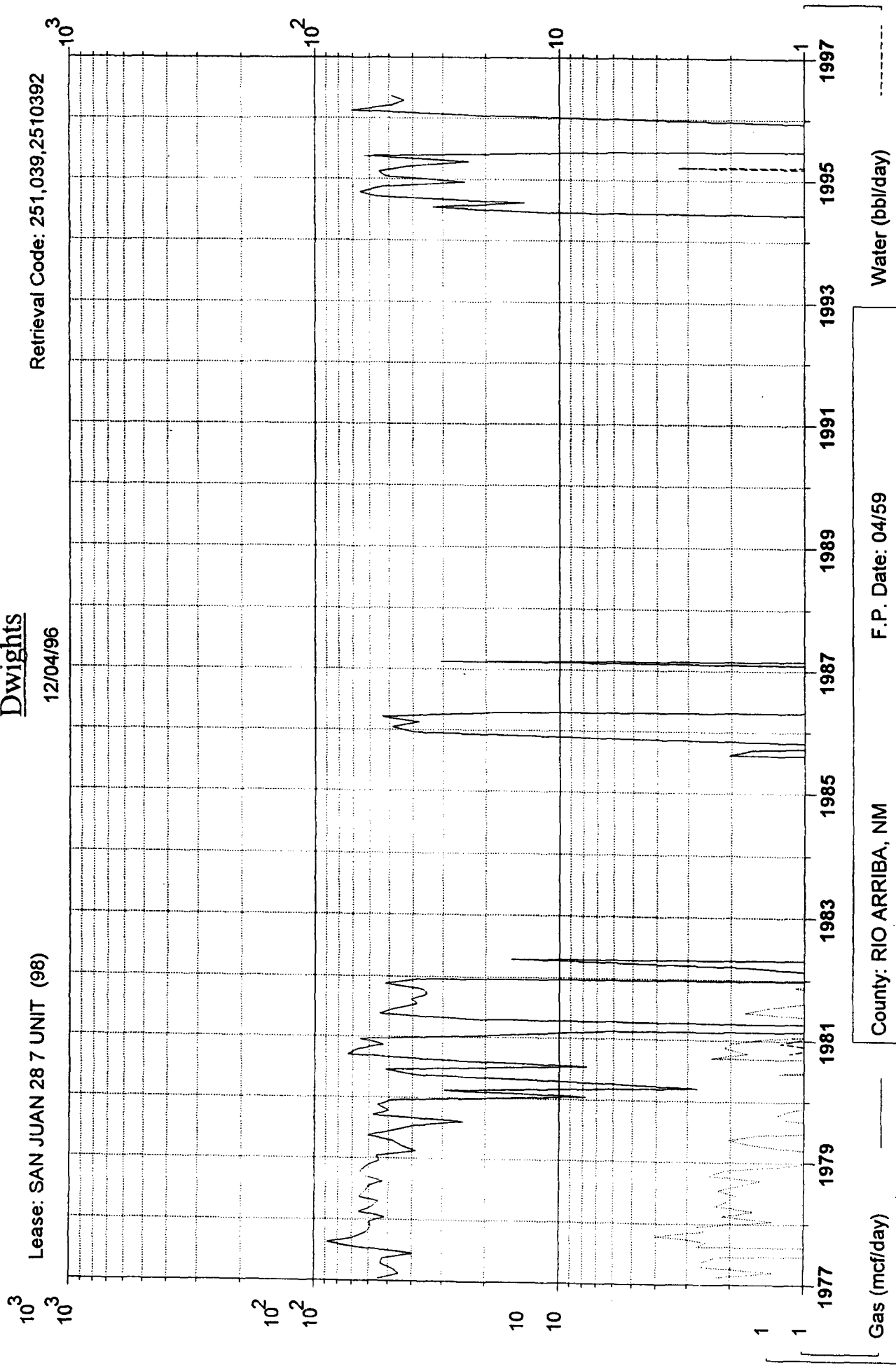
CHECKED BY

Dwights

Lease: SAN JUAN 28 7 UNIT (98)

Retrieval Code: 251,039,2510392

12/04/96



Water (bbl/day)

Gas (mcf/day)

Oil (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 04/59
Field: BASIN (DAKOTA) DK	Oil Cum: 15.59 mbbl
Reservoir: DAKOTA	Gas Cum: 527.5 mmcf
Operator: CONOCO INC	Location: 29G 27N 7W

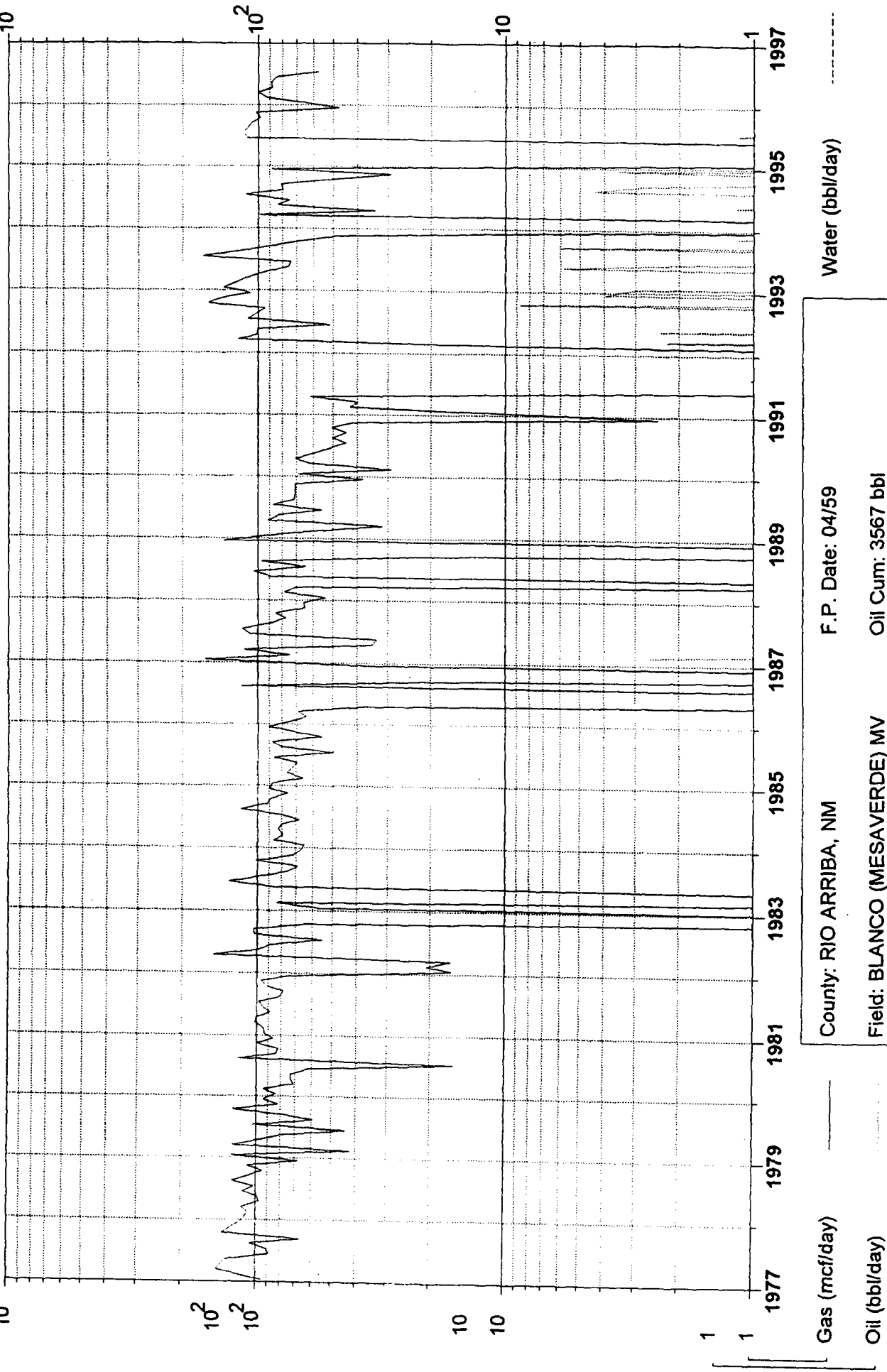
10³
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Lease: SAN JUAN 28 7 UNIT (98)

Dwights

12/04/96

Retrieval Code: 251,039,2510392



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARRIBA, NM F.P. Date: 04/59

Field: BLANCO (MESAVERDE) MV Oil Cum: 3567 bbl

Reservoir: MESAVERDE Gas Cum: 1049 mmcf

Operator: CONOCO INC Location: 29G 27N 7W