

## 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 87505-6429Form 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

San Juan 28-7

94A

E-30, T-28-N, R-7-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

16608

API NO.

30-039-22348

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	Pictured Cliff 72439		Mesa Verde 72319
2. TOP and Bottom of Pay Section (Perforations)	2832-2947'		4406-5432'
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	419 PSIA		470 PSIA
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1000 PSIA		1195 PSIA
6. Oil Gravity (*API) or Gas BTU Content	1157		1206
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 7-1-97 25 MCFD, 0 BOPD, 0 BWPD	Date Rates	Date Rates 7-1-97 225 MCFD, 27 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil 1 % Gas 10 %	Oil % Gas %	Oil 99 % Gas 90 %

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?

If not, have all working, overriding, and royalty interests been notified by certified mail?

Have all offset operators been given written notice of the proposed downhole commingling?

Yes	X	No
X	Yes	No
X	Yes	No

11. Will cross-flow occur? Yes X 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 X Yes No

13. Will the value of production be decreased by commingling? Yes X 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. X 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

TITLE Sr. Conservation Coord.

DATE

TYPE OR PRINT NAME Jerry W. Hoover

TELEPHONE NO.

(915)

686-6548

NEW MEXICO OIL CONSERVATION COMMISSION  
W. LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-4-65

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

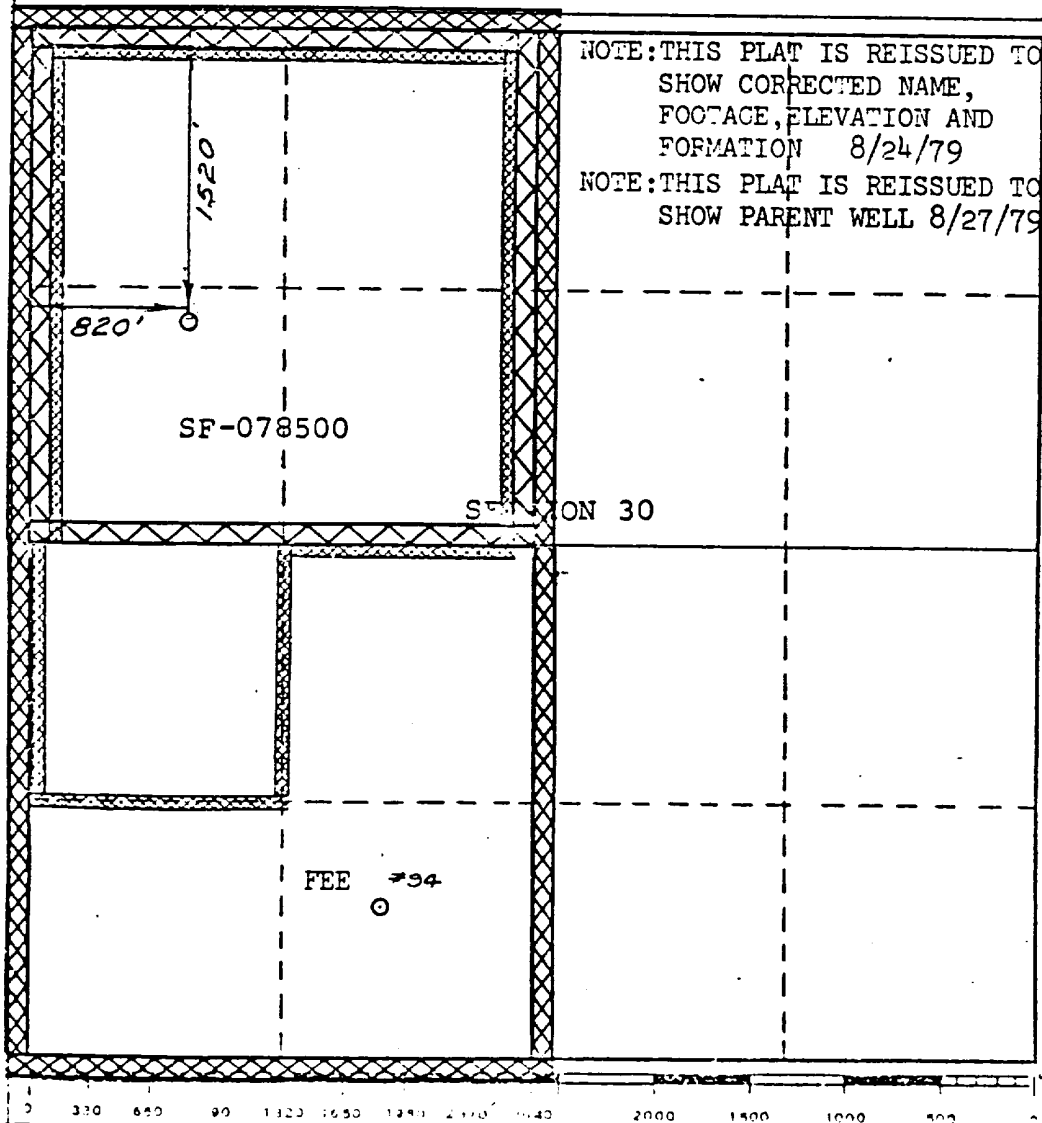
Operator <b>EL PASO NATURAL GAS COMPANY</b>		Lease <b>SAN JUAN 28-7 UNIT (SF-078500)</b>		Well No. <b>94A</b>
Unit Letter <b>E</b>	Section <b>30</b>	Township <b>28-N</b>	Range <b>7-W</b>	County <b>RIO ARRIBA</b>
Actual Footage Location of Well: <b>1520</b> feet from the <b>NORTH</b> line and <b>820</b> feet from the <b>WEST</b> line				
Ground Level Elev. <b>6294</b>	Producing Formation <b>Mesa Verde-Pictured Cliffs</b>	Pool <b>Blanco Mesa Verde So. Blanco Pictured Cliffs</b>		Dedicated Acreage: <b>305.76 &amp; 152.86</b> 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 Unitization

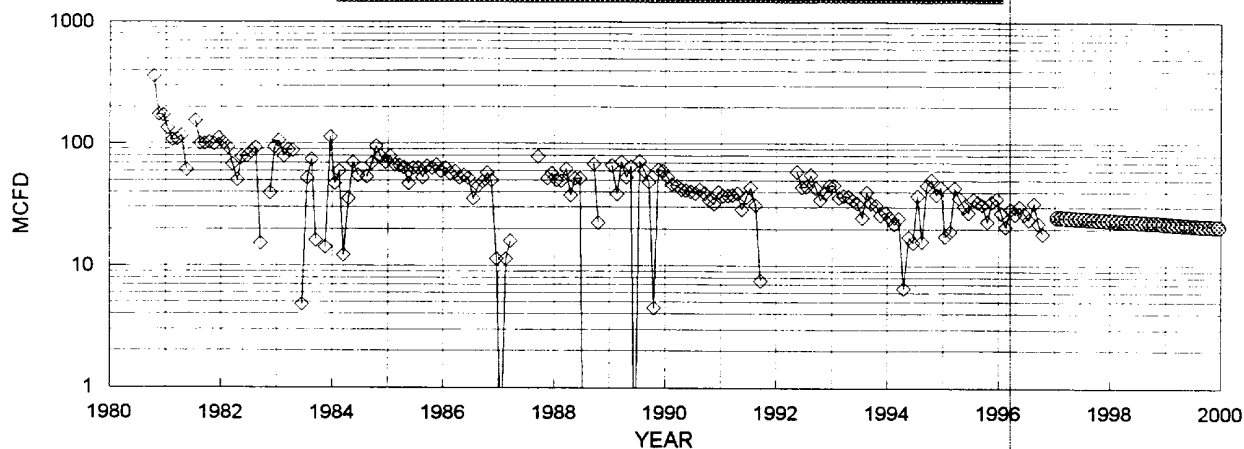
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

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. NOTE: THIS PLAT IS REISSUED TO SHOW CORRECTED DEDICATION. 7-25-74



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>A. D. Buice</i>	
Name	Drilling Clerk
Position	El Paso Natural Gas Co.
Company	September 20, 1979
Date	
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, 1974
Registered Professional Engineer and/or Land Surveyor	
<i>Paul C. Buice</i>	
Certificate No.	1760

**SAN JUAN 28-7 UNIT NO. 94A PICTURED CLIFFS PRODUCTION**  
SECTION 30E-28N-07W



◇ PICTURED CLIFFS MCFD    ● FIT MCFD

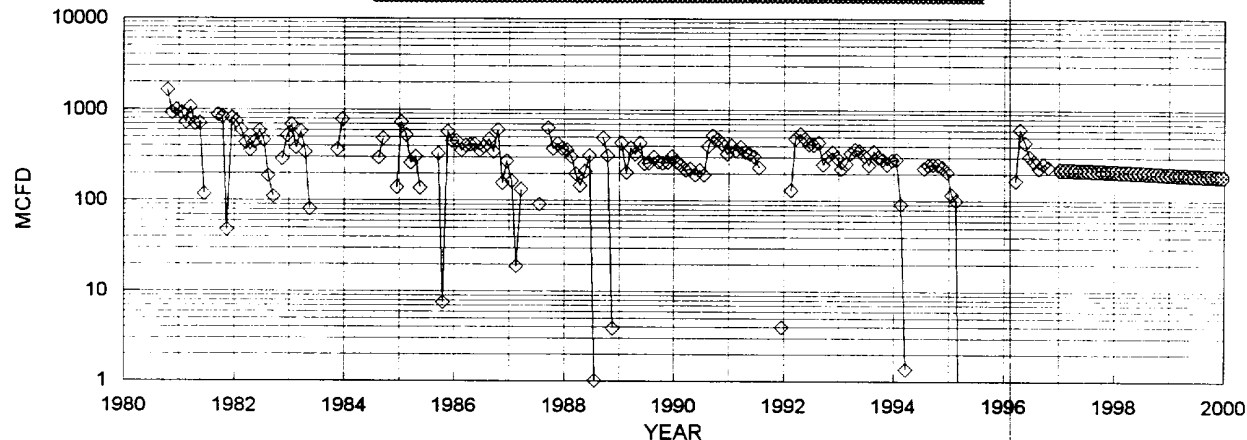
**PICTURED CLIFFS HISTORICAL DATA 1ST PROD: 10/80**

OIL CUM: 0.02 MBO  
GAS CUM: 275.0 MMCF  
OIL YIELD: 0.0001 BBL/MCF

**PICTURED CLIFFS PROJECTED DATA**

1/1/97 Qi: 25 MCFD  
DECLINE RATE: 6.0% (EXPONENTIAL)

**SAN JUAN 28-7 UNIT NO. 94A MESAVERDE PRODUCTION**  
SECTION 30E-28N-7W



◇ MESAVERDE MCFD    ● FIT MCFD

**MESAVERDE HISTORICAL DATA 1ST PROD: 10/80**

OIL CUM: 2.6 MBO  
GAS CUM: 2253.0 MMCF  
OIL YIELD: 0.0012 BBL/MCF

**MESAVERDE PROJECTED DATA**

1/1/97 Qi: 225 MCFD  
DECLINE RATE: 6.0% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
PICTURED CLIF	10%	1%
MESAVERDE	90%	99%

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

**NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA**

# SAN JUAN 28-8 #94A

## OFFSET OPERATORS

AMOCO  
RICHARDSON OPER

CONOCO

CONOCO

24

19

20

AMOCO  
RICHARDSON OPER  
TENNECO OIL

CONOCO  
AMOCO

CONOCO  
AMOCO

94A

25

30

29

AMOCO  
BURLINGTON RES  
S G INTEREST LTD

CONOCO  
AMOCO

CONOCO

36

31

32

Township 28N --- Range 7W

This form is not to  
be used for reporting  
packer leakage tests  
in Southeast New Mexico

## NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator CONOCO INC Lease SAN JUAN 28-7 UNIT Well No. 94A (PM)  
Location of Well: Unit E Sec. 30 Twp. 28 Rge. 07 County RIO ARriba

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	PICTURED CLIFF	GAS	FLOW	TBG.
Lower Completion	MESA VERDE	GAS	FLOW	TBG.

## PRE-FLOW SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in <u>06-10-96</u>	Length of time shut-in <u>7-DAYS</u>	SI press. psig <u>385</u>	Stabilized? (Yes or No) <u>NO</u>
Lower Completion	Hour, date shut-in <u>06-10-96</u>	Length of time shut-in <u>7-DAYS</u>	SI press. psig <u>415</u>	Stabilized? (Yes or No) <u>NO</u>

## FLOW TEST NO. 1

Commenced at (hour, date)* <u>06-17-96</u>				Zone producing (Upper or Lower): <u>LOWER</u>	
TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE		PROD. ZONE TEMP.	REMARKS
		Upper Completion	Lower Completion		
<u>06-15-96</u>	<u>1-Day</u>	<u>365</u>	<u>355</u>		<u>BOTH ZONES SHUT -IN</u>
<u>06-16-96</u>	<u>2-Days</u>	<u>375</u>	<u>380</u>		<u>BOTH ZONES SHUT -IN</u>
<u>06-17-96</u>	<u>3-Days</u>	<u>385</u>	<u>415</u>		<u>BOTH ZONES SHUT -IN</u>
<u>06-18-96</u>	<u>1-Day</u>	<u>385</u>	<u>305</u>		<u>LOWER ZONE FLOWING</u>
<u>06-19-96</u>	<u>2-Days</u>	<u>385</u>	<u>295</u>		<u>LOWER ZONE FLOWING</u>

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hours. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

## MID-TEST SHUT-IN PRESSURE DATA

Upper Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

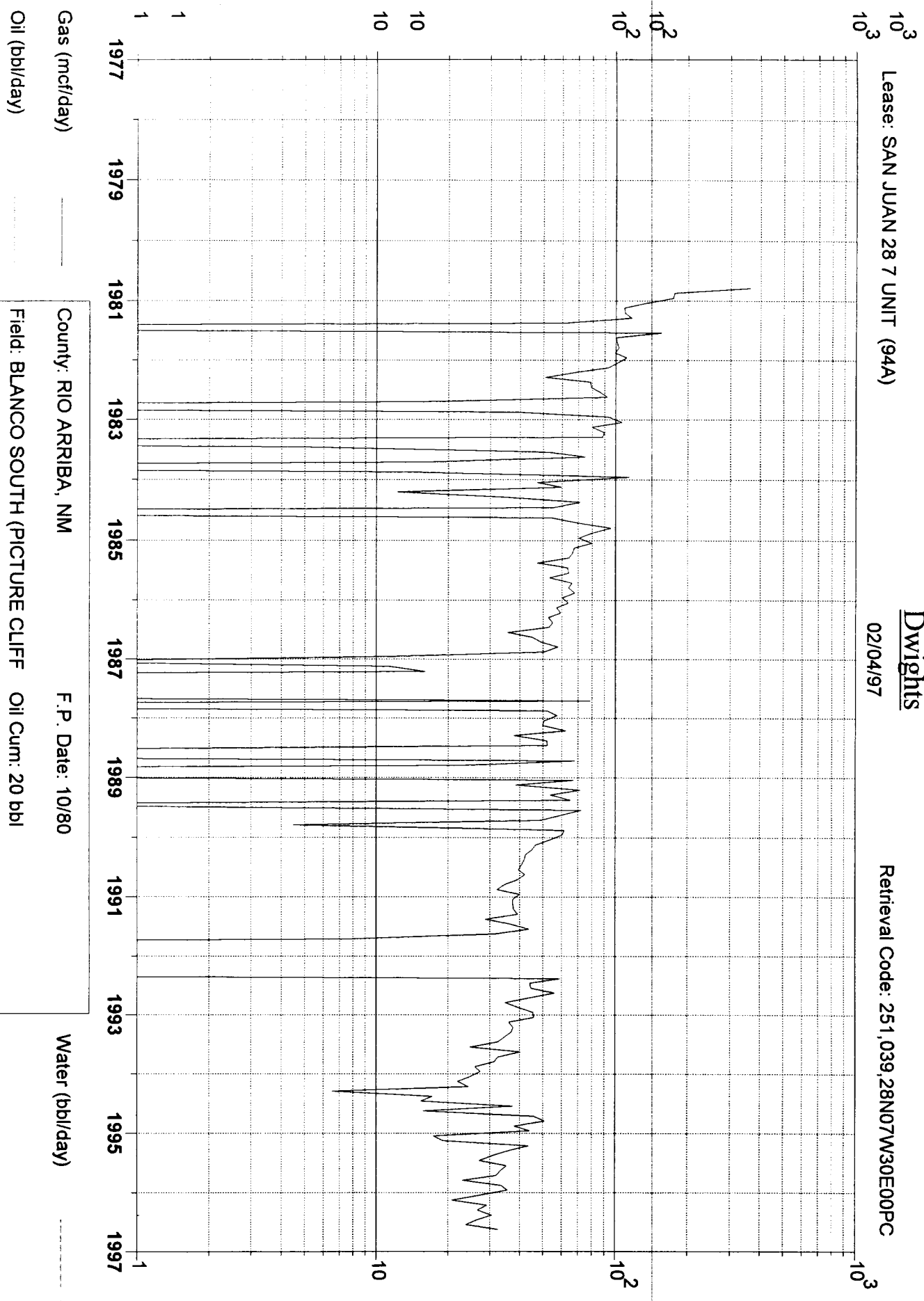
(Continue on reverse side)

Lease: SAN JUAN 28 7 UNIT (94A)

Dwights

02/04/97

Retrieval Code: 251,039,28N07W30E00PC



County: RIO ARRIBA, NM

F.P. Date: 10/80

Field: BLANCO SOUTH (PICTURE CLIFF

Oil Cum: 20 bbl

Reservoir: PICTURE CLIFFS

Gas Cum: 274.7 mmcf

Operator: CONOCO INC

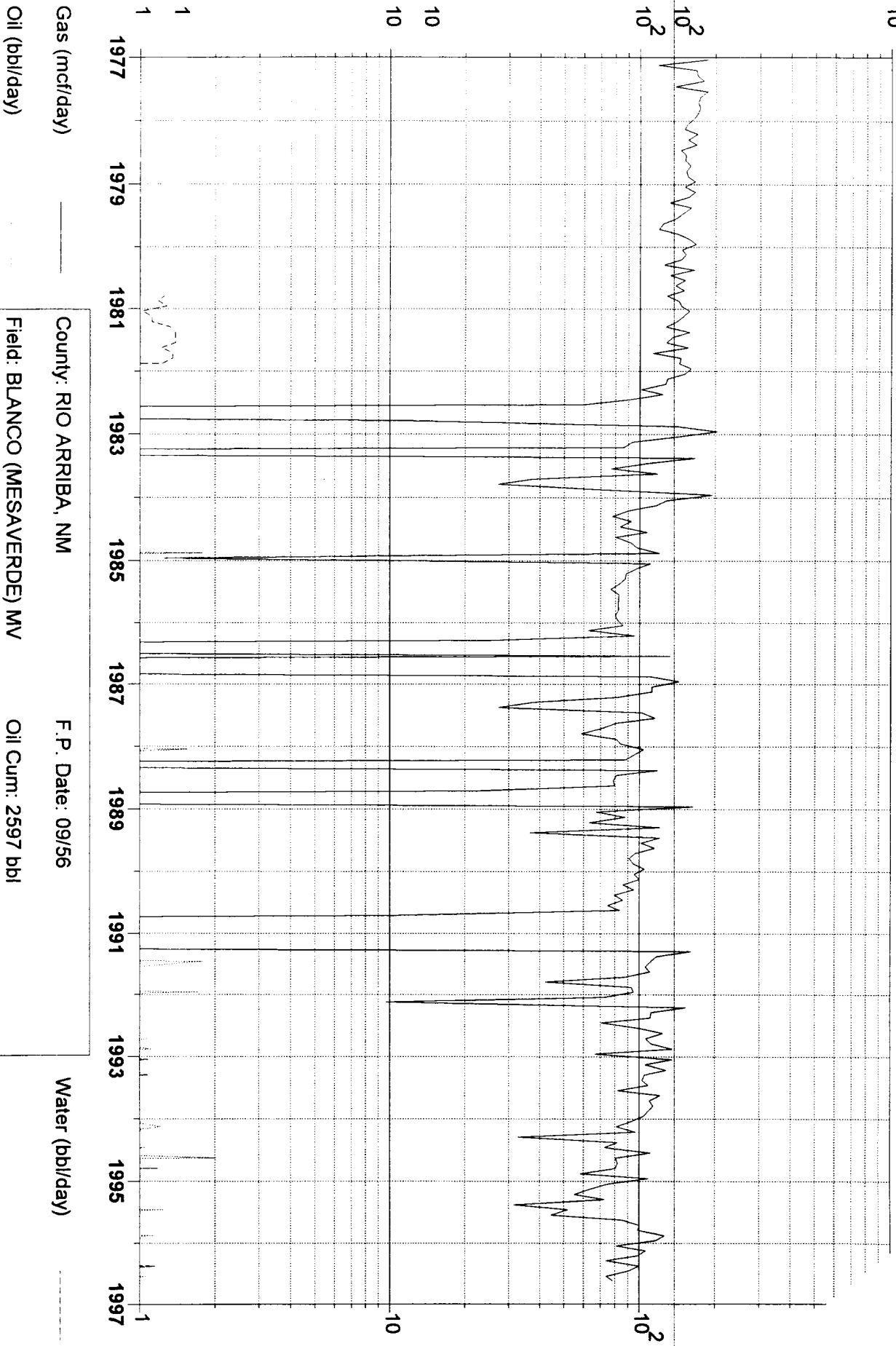
Location: 30E 28N 7W

Water (bbl/day)

Lease: SAN JUAN 28 7 UNIT (57)

Dwights  
02/04/97

Retrieval Code: 251,039,28N07W30C



Gas (mcf/day)

Oil (bbl/day)

County: RIO ARriba, NM

Field: BLANCO (MESAVARDE) MV

Reservoir: MESAVARDE

Operator: CONOCO INC

F.P. Date: 09/56

Oil Cum: 2597 bbl

Gas Cum: 2253 mmcf

Location: 30G 28N 7W

Water (bbl/day)