

## 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

20A

J-8, 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. 30-039-22207 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)	3300-3341'		4957-5928'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottom hole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 493 PSIA b (Original) 1000 PSIA	a.  b.	a. 346 PSIA b. 1195 PSIA
6. Oil Gravity (*API) or Gas BTU Content	1245		1239
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  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 50 MCFD, 0 BOPD, 0 BWPD	Date Rates  Date Rates	Date Rates  7-1-97, 150 MCFD, .7 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	oil 1 % Gas 25 %	oil % Gas %	oil 99 % Gas 75 %

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 others ☒ 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

TITLE Sr. Conservation Coord.

DATE

6/10/97

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

1980  
Form C-102  
Supersedes C-128  
Effective 1-1-65

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

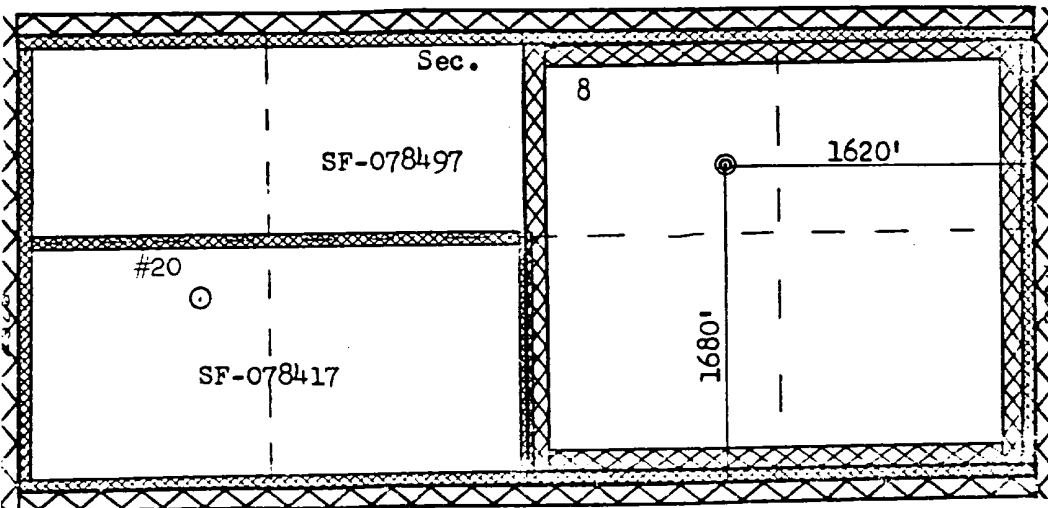
Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 28-7 UNIT (SF-078497)		Well No. 20-A
Unit Letter J	Section 8	Township 28N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 1680 feet from the South line and 1620 feet from the East line					
Ground Level Elev: 6622	Producing Formation MESA VERDE PICTURED CLIFFS		Pool BLANCO MESA VERDE BLANCO PICTURED CLIFFS EXT.		Dedicated Acreage: 151.49 & 304.04 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.



CERTIFICATION

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

Name

Position

Company

Date

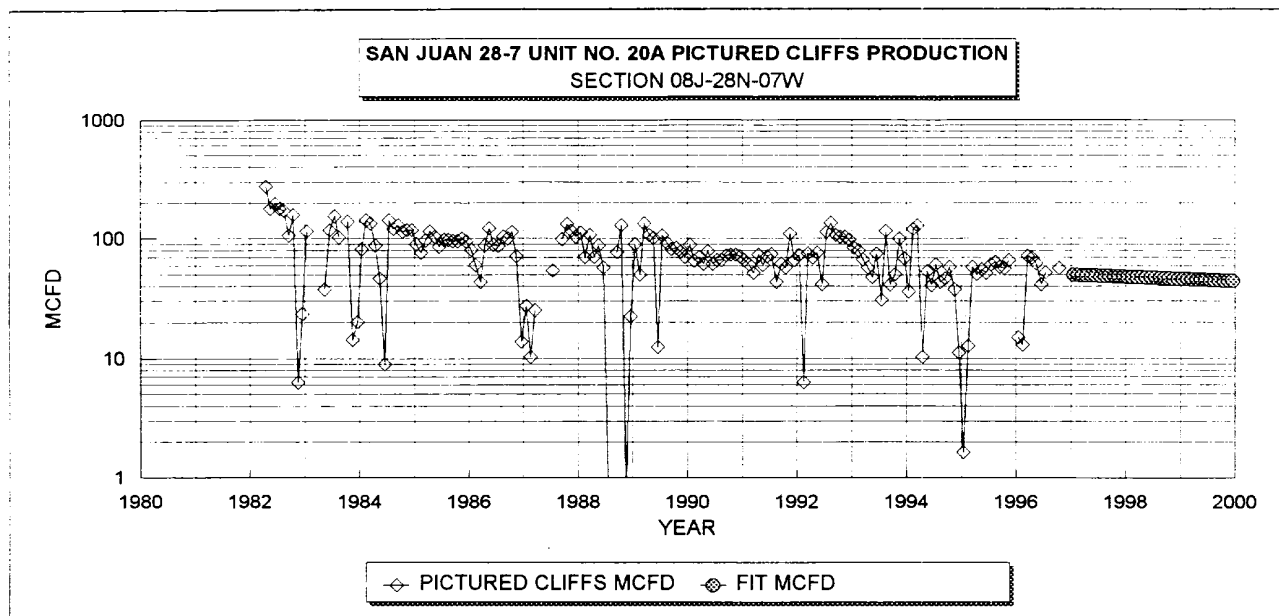
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 12, 1970

Registered Professional Engineer  
and Land Surveyor

Fred A. Kern, Jr.

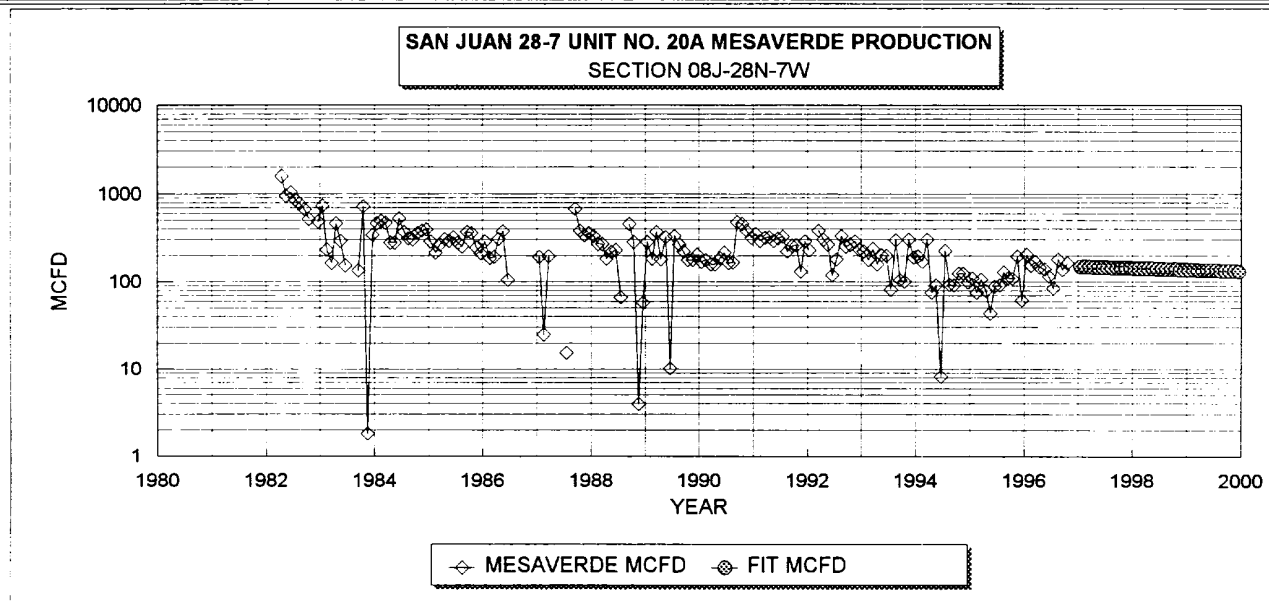


**PICTURED CLIFFS HISTORICAL DATA 1ST PROD: 04/82**

OIL CUM: 0.04 MBO  
GAS CUM: 386.0 MMCF  
OIL YIELD: 0.0001 BBL/MCF

**PICTURED CLIFFS PROJECTED DATA**

1/1/97 Qi: 50 MCFD  
DECLINE RATE: 4.0% (EXPONENTIAL)



**MESAVERDE HISTORICAL DATA 1st Prod: 12/55**

OIL CUM: 13.2 MBO  
GAS CUM: 2847.0 MMCF  
OIL YIELD: 0.0046 BBL/MCF

**MESAVERDE PROJECTED DATA**

1/1/97 Qi: 150 MCFD  
DECLINE RATE: 4.0% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
PICTURED CLIF	25%	1%
MESAVERDE	75%	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 28-7 #20A

## OFFSET OPERATORS

BURLINGTON RES	BURLINGTON RESOURCES	BURLINGTON RESOUF
31	32	33
CONOCO	CONOCO	CONOCO
7	8	9
CONOCO	CONOCO AMOCO T29N R7W	CONOCO T28N R7W
18	17	16

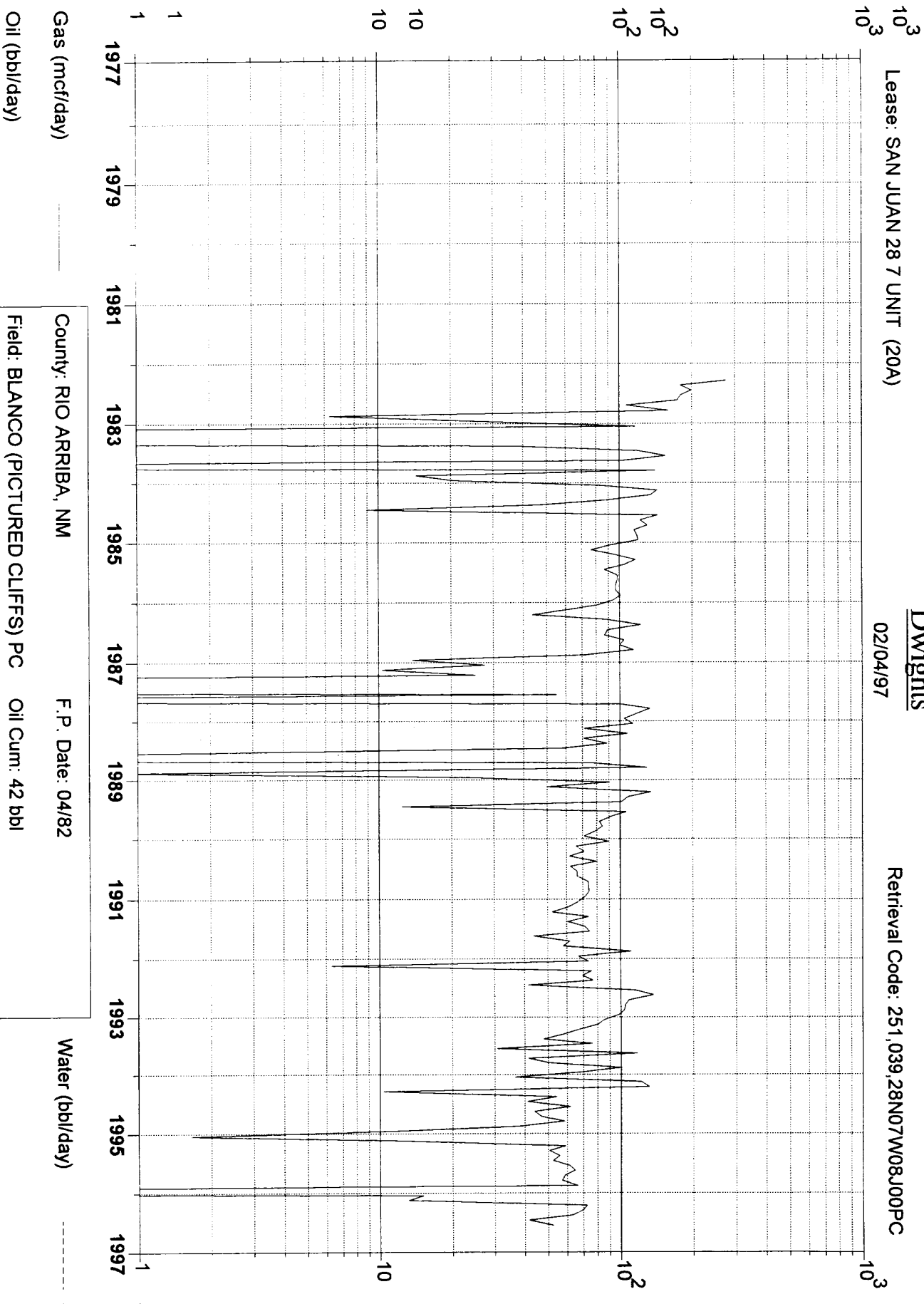
Township 28N --- Range 7W

Dwights

02/04/97

Retrieval Code: 251,039,28N07W08J00PC

Lease: SAN JUAN 28 7 UNIT (20A)



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARriba, NM

F.P. Date: 04/82

Field: BLANCO (PICTURED CLIFFS) PC

Oil Cum: 42 bbl

Reservoir: PICTURED CLIFFS

Gas Cum: 386.2 mmcf

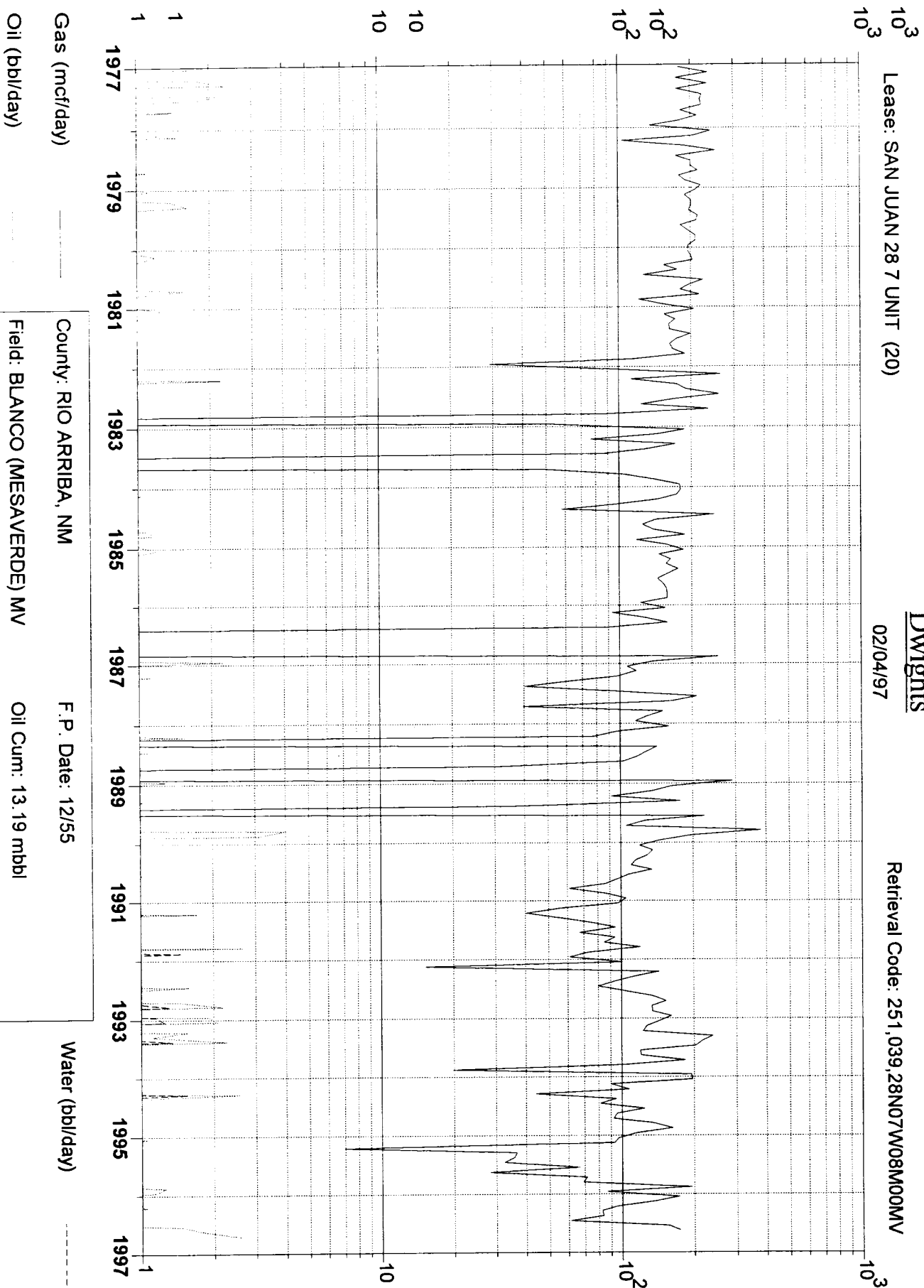
Operator: CONOCO INC

Location: 8J 28N 7W

Lease: SAN JUAN 28 7 UNIT (20)

Dwights  
02/04/97

Retrieval Code: 251,039,28N07W08M00MV



County: RIO ARriba, NM

F.P. Date: 12/55

Field: BLANCO (MESAVERDE) MV

Oil Cum: 13.19 mbbl

Reservoir: MESAVERDE

Gas Cum: 2847 mmcf

Operator: CONOCO INC

Location: 8M 28N 7W