

6/8/98 | 6/29/98 | DC | KW | DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

JANE MANSFIELD #1A

107

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

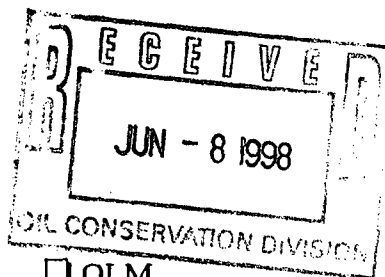
Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

PAMELA W. STALEY
Print or Type Name

Signature

REGULATORY AFFAIRS ENGR.
Title

6/1/98



Amoco Production Company

Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201-0800
(303) 830-4040

June 2, 1998

Ms. Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P. O. Box 6429
Santa Fe, NM 87505

Application for Exception to Rule 303-A- Downhole Commingling
Jane Mansfield #1A
Unit A Section 19-T30N-R9W
Basin Fruitland Coal and Blanco Mesaverde Pools
San Juan County, New Mexico

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in her opinion, waste will not result thereby, and correlative rights will not be violated.

Should you have questions regarding this application, do not hesitate to call me at (303) 830-5344.

Sincerely,

Pamela W. Staley

Enclosures

cc: Mark Yamasaki
Gail Jefferson
Wellfile
Proration File

Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Duane Spencer
Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401

OFFSET OPERATORS

Jane Mansfield #1A

Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

S G Interest I Ltd.
811 Dallas Suite 1505
Houston, Texas 77002

Production Allocation Recommendation

Jane Mansfield #1A

Production is proposed to be allocated based on a percentage allocation. The production for the Mesaverde is based on the attached analysis of offset production.

Gas:	FT	10 MCFD	15%
	MV	100 MCFD	85%

Oil:	FT	0 BOPD	50%
	MV	0.5 BOPD	50%

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator	Address	County	
Jane Mansfield	A-19-30N-9W	San Juan	
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	
	1A		

OGRID NO. 000778 Property Code 000816 API NO. 3004522026 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	BASIN FRUITLAND COAL 71629		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	2667' - 2747'		4952' - 5178'
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	a. (Current) 800 PSI b. (Original) 1059 PSI	a. b.	a. 800 PSI b. 1257 PSI
6. Oil Gravity (° API) or Gas BTU Content	1140 BTU		1190 BTU / 49.5 DEG API
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no) • If Shut-In, give data 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)	YES Date: Rates: Date: Rates: 10 MCFD 0 BCPD	 Date: Rates: Date: Rates:	NO Date: Rates: Date: Rates: 100 MCFD 0.5 BCPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 15 %	Oil: % Gas %	Oil: 100 % Gas 85 %

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. *Recommend submitting allocations based on well tests.*
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
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 other? ☒ 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 SF-076934 SF-07811 COM NMNM-073127
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	DATE
	REGULATORY AFFAIRS ENGR	6/1/98
TYPE OR PRINT NAME	TELEPHONE NO. (303)	
PAMELA W. STALEY	830-5344	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACERAGE DEDICATION PLAT

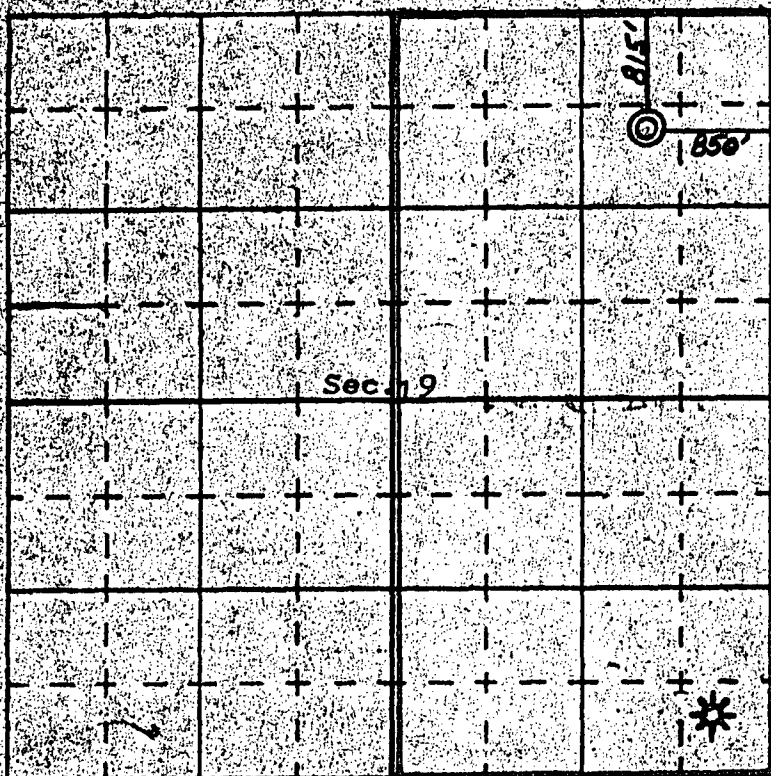
All distances must be from the outer boundaries of the Section

Operator TENNECO OIL COMPANY			Lease MANSFIELD		Well No. 1-A
Unit Letter A	Section 19	Township 30 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well: 815 feet from the NORTH line and 850 feet from the EAST line					
Ground Level Elev. 6101	Producing Formation Blanco Mesaverde		Pool Blanco Mesaverde	Dedicated Acreage: 320 E/2 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 _____
 If answer is "no," list the owners and tract descriptions which have actually 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.

Ted J. Drury
 Name _____
 Position _____
 Company **Production Clerk**

Date **Tenneco Oil Co.**
3/23/76

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.

10 March, 1976
 Date Surveyed _____
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor
James P. Leese

1463
 Certificate No. _____
ADMN 015889

NEW ME. OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-12A
Supersedes C-12B
Effective 1-1-81

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

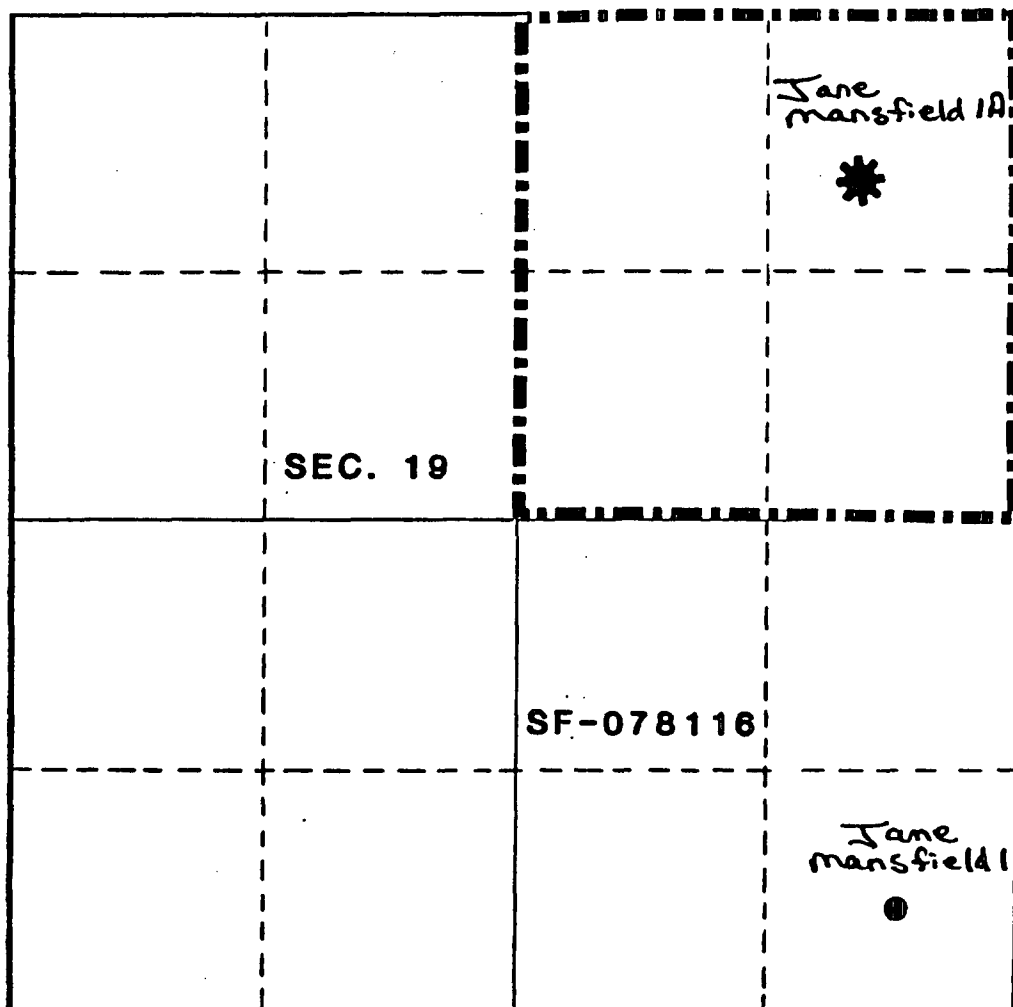
Operator Tenneco Oil Company			Lease Jane Mansfield		Well No. 1A
Unit Letter A	Section 19	Township 30N	Range 9W	County San Juan	
Actual Footage Location of Well: 815 feet from the North line and 850 feet from the East line					
Ground Level Elev: 6131	Producing Formation Fruitland Coal		Pool Blanco Fruitland Ext.	Dedicated Acreage: 160 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 _____

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.

Scott McKinney

Name
Senior Regulatory Analyst

Position
Senior Regulatory Analyst

Company
Tenneco Oil Company

Date
July 17, 1984

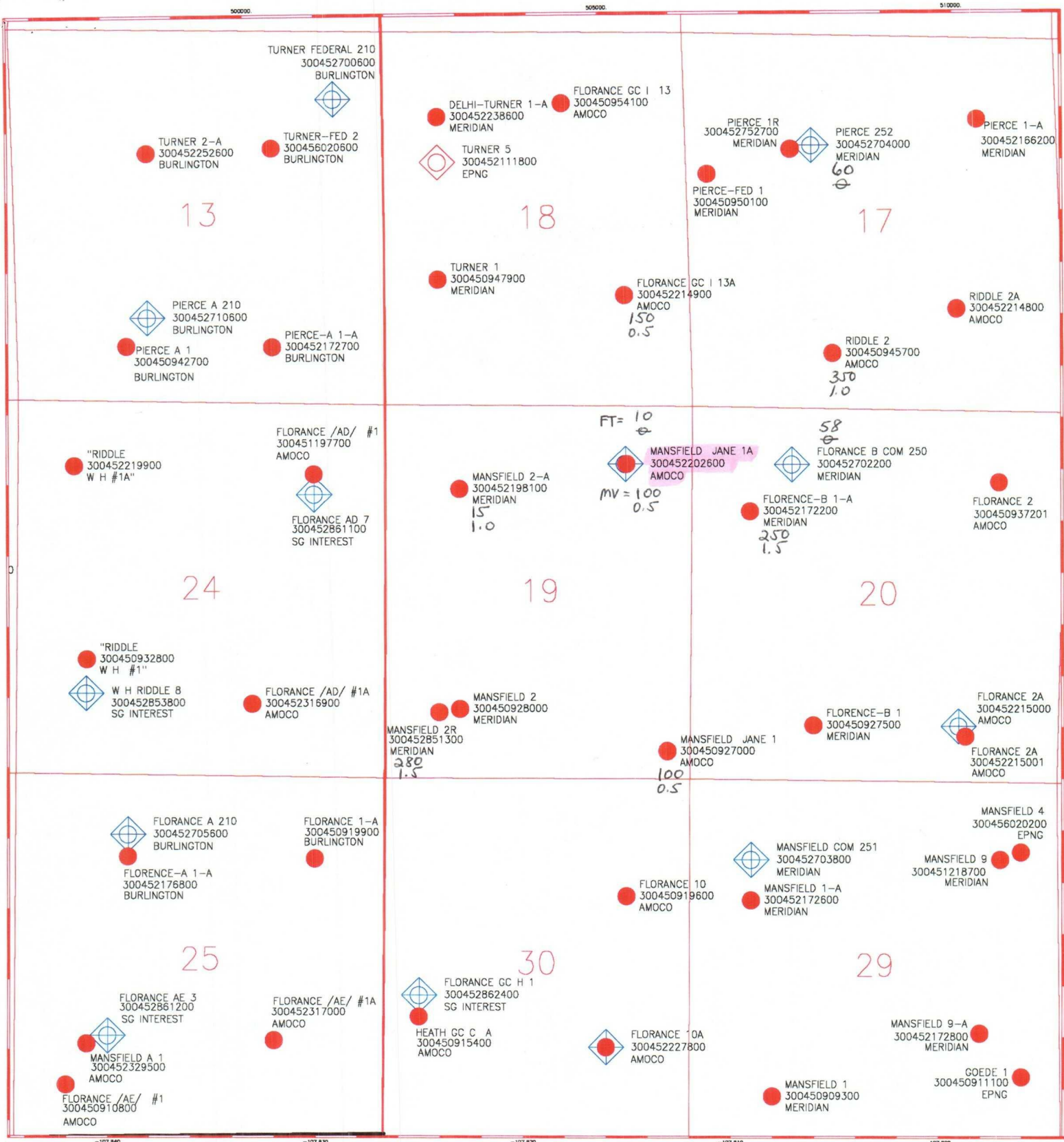
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000



Allocations:

MV gas = 85 %
MV oil = 100 %
API gravity = 49.5
MV BHP = 800
FT gas = 15 %
FT oil = 0 %
FT BHP = 800

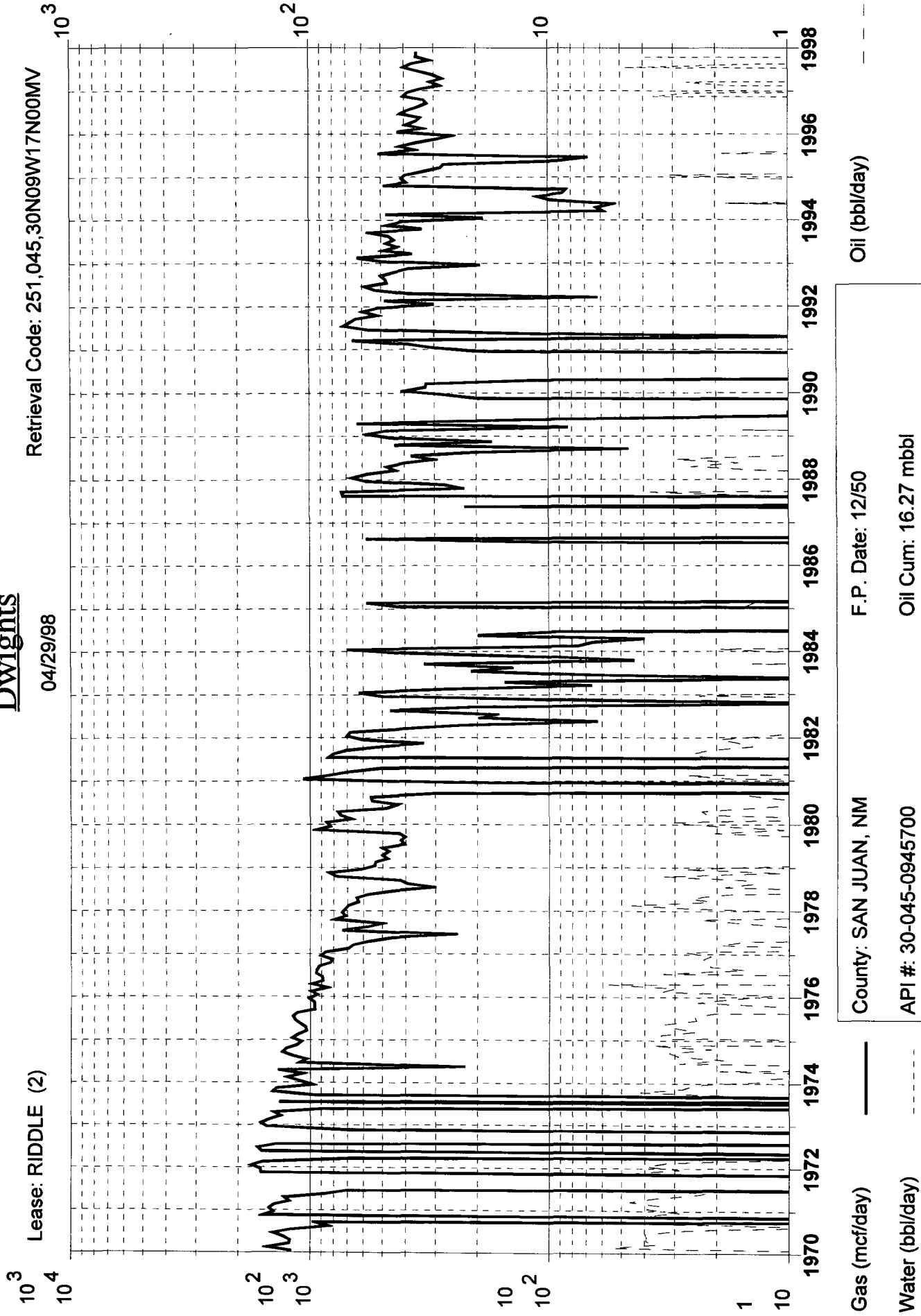
LEGEND

- MESAVARDE 1st # = mcfD
- ◇ FRUITLAND 2nd # = BOPD
- ◆ FRUITLAND COAL

AMOCO PRODUCTION COMPANY		
JANE MANSFIELD #1A - COMMINGLE 9 SECTION PLAT		
ALC		4/30/98
Scale 1:22486.27		

04/29/98

Lease: RIDDLE (2)



F.P. Date: 12/50

County: SAN JUAN, NM

Oil Cum: 16.27 mbbl

API #: 30-045-0945700

Gas Cum: 9042 mmcf

Reservoir: MESAVARDE

Location: 17N 30N 9W

Operator: AMOCO PRODUCTION CO

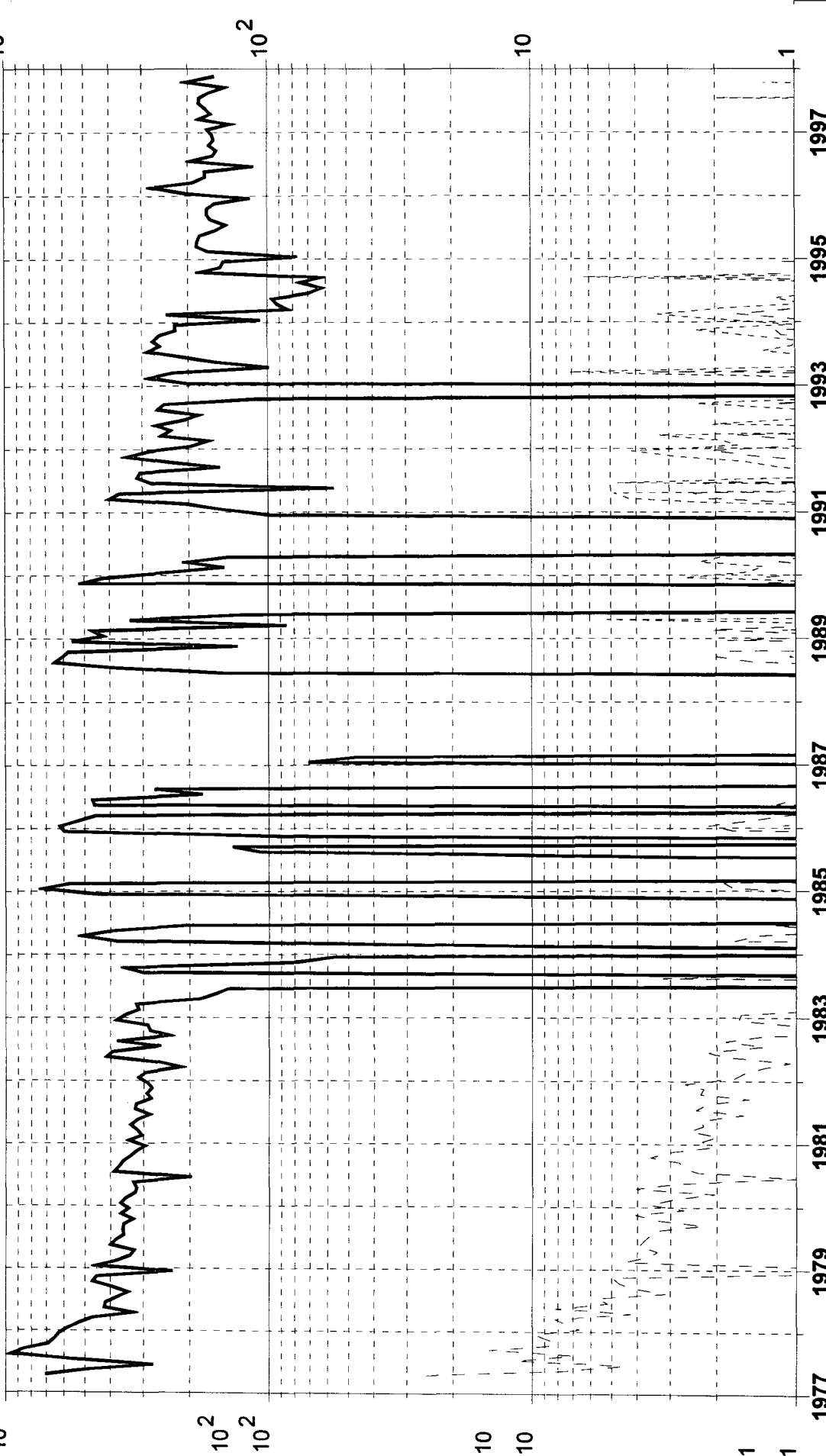
Dwights

Lease: FLORANCE GAS COM I (13A)

Retrieval Code: 251,045,30N09W18I00MV

04/29/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

F.P. Date: 04/77

County: SAN JUAN, NM

API #: 30-045-2214900

Oil Cum: 11.32 mbbl

Reservoir: MESAVERDE

Gas Cum: 1741 mmcf

Operator: AMOCO PRODUCTION CO

Location: 18I 30N 9W

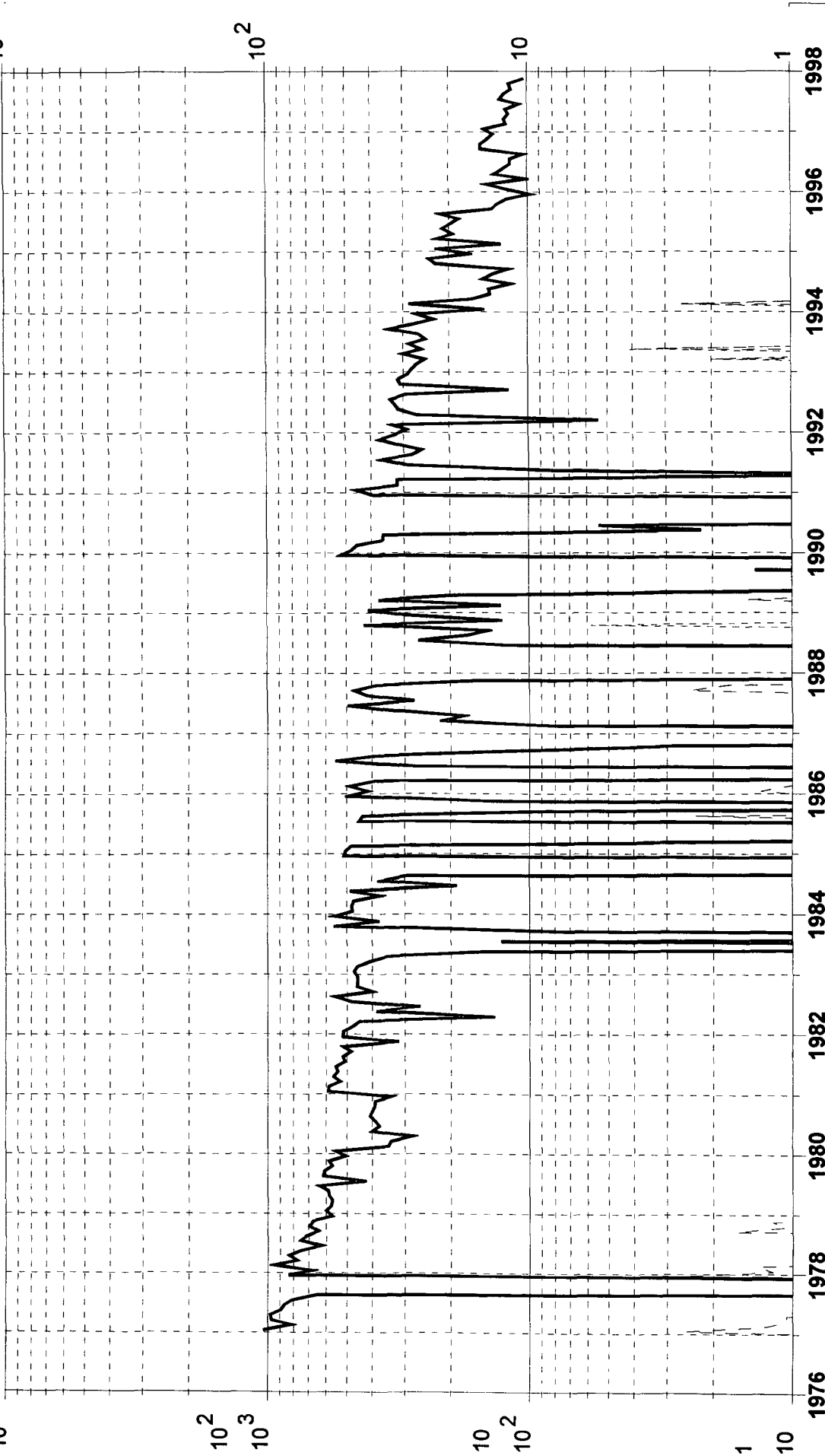
Dwights

Lease: MANSFIELD (1A)

Retrieval Code: 251,045,30N09W19A00MV

04/29/98

10³
10⁴
10²
10³
10²
10³
10¹
10²
10³
10¹
10²
10³



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

F.P. Date: 12/76

County: SAN JUAN, NM

API #: 30-045-2202600

Oil Cum: 2940 bbl

Reservoir: MESAVERDE

Gas Cum: 2327 mmcf

Operator: AMOCO PRODUCTION CO

Location: 19A 30N 9W

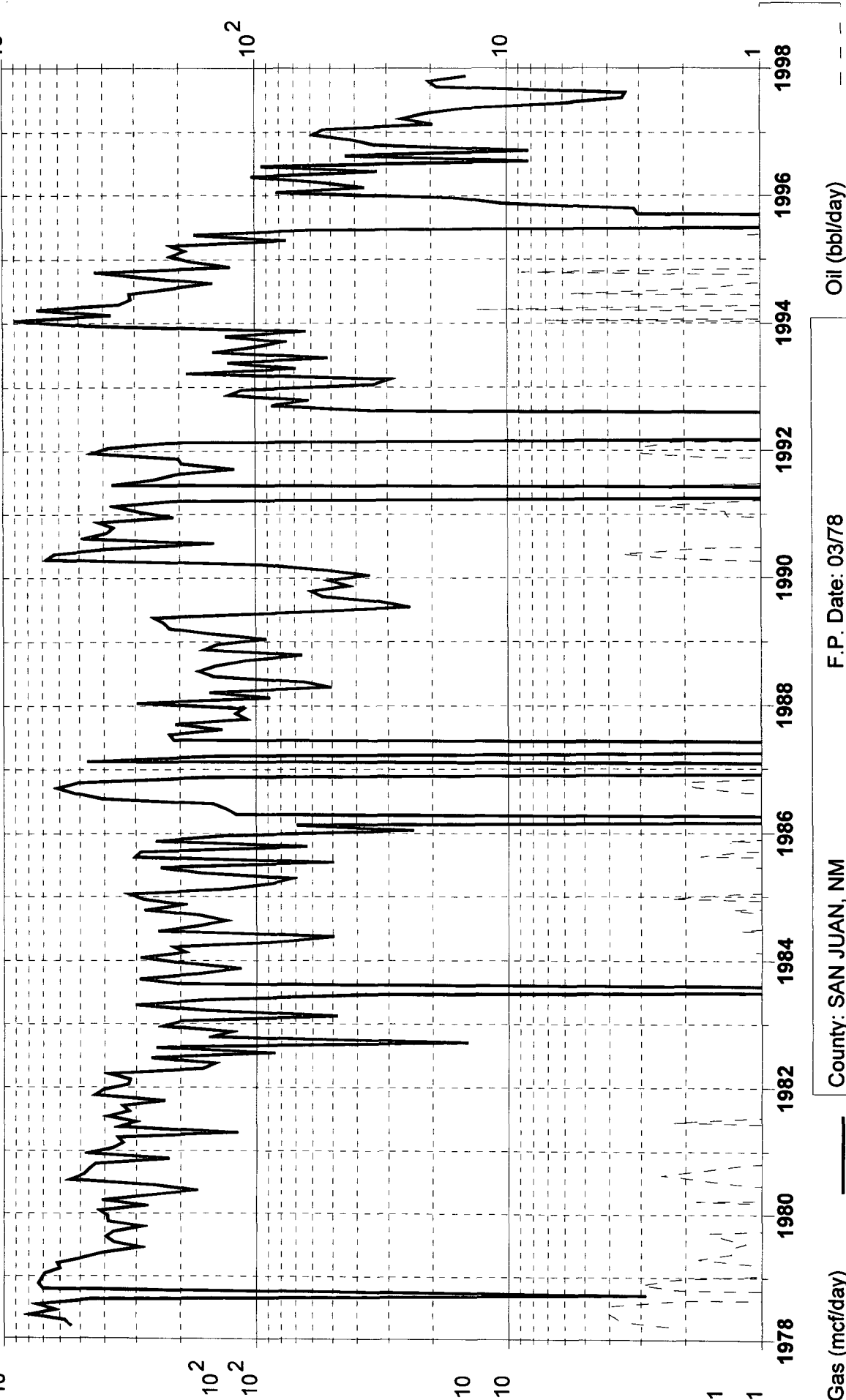
Dwights

Lease: MANSFIELD (2A)

Retrieval Code: 251,045,30N09W19C00MV

04/29/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Water (bbl/day)

F.P. Date: 03/78

Oil Cum: 5206 bbl

Gas Cum: 1534 mmcf

Location: 19C 30N 9W

County: SAN JUAN, NM

API #: 30-045-2198100

Reservoir: MESAVERDE

Operator: BURLINGTON RES O&G CO

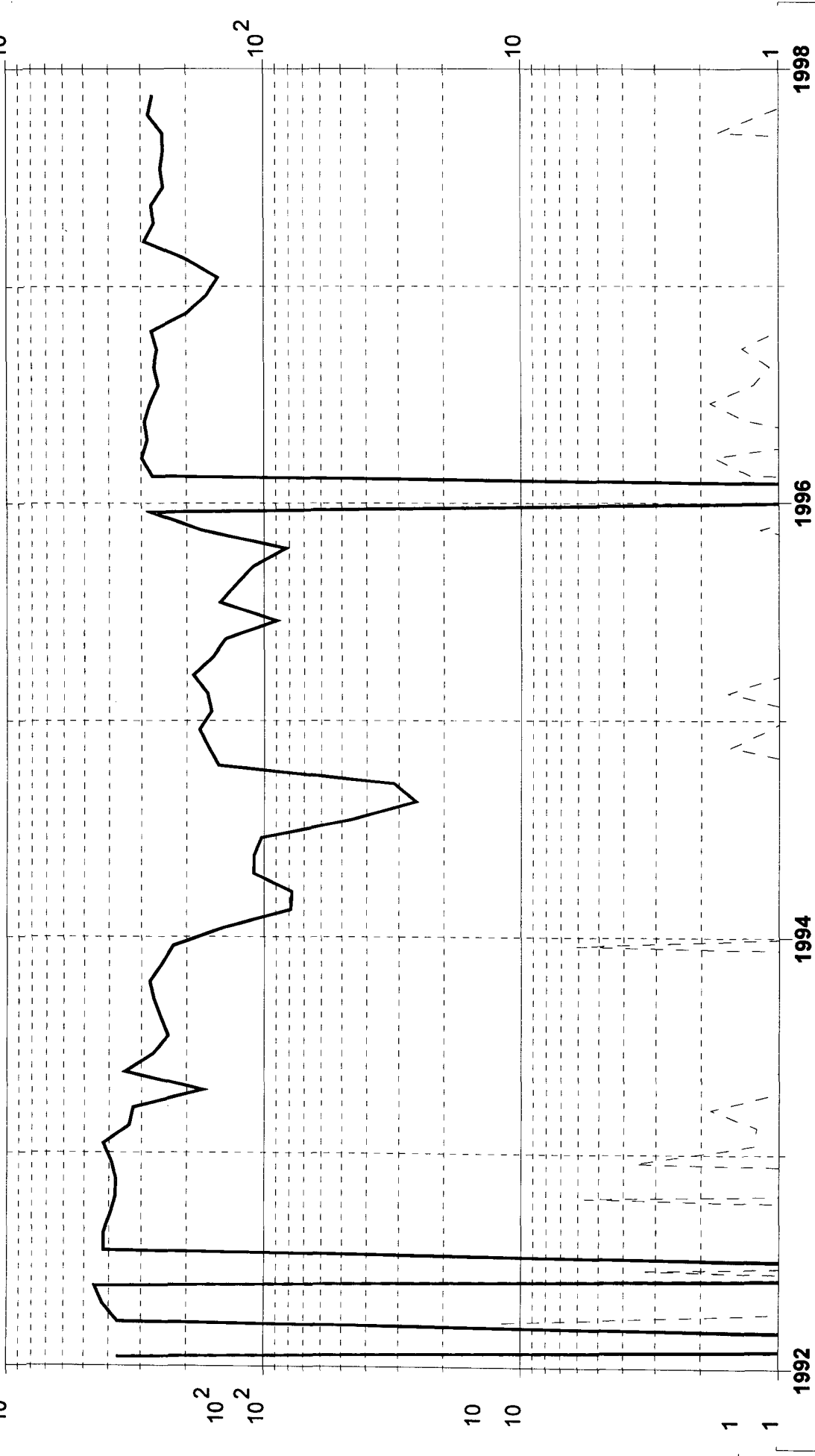
Dwights

Lease: MANSFIELD (2R)

Retrieval Code: 251,045,30N09W19NM1MV

04/29/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

F.P. Date: 05/53

Oil Cum: 2142 bbl

Gas Cum: 484.2 mmcf

Location: 19N 30N 9W

County: SAN JUAN, NM

API #: 30-045-2851300

Reservoir: MESAVERDE

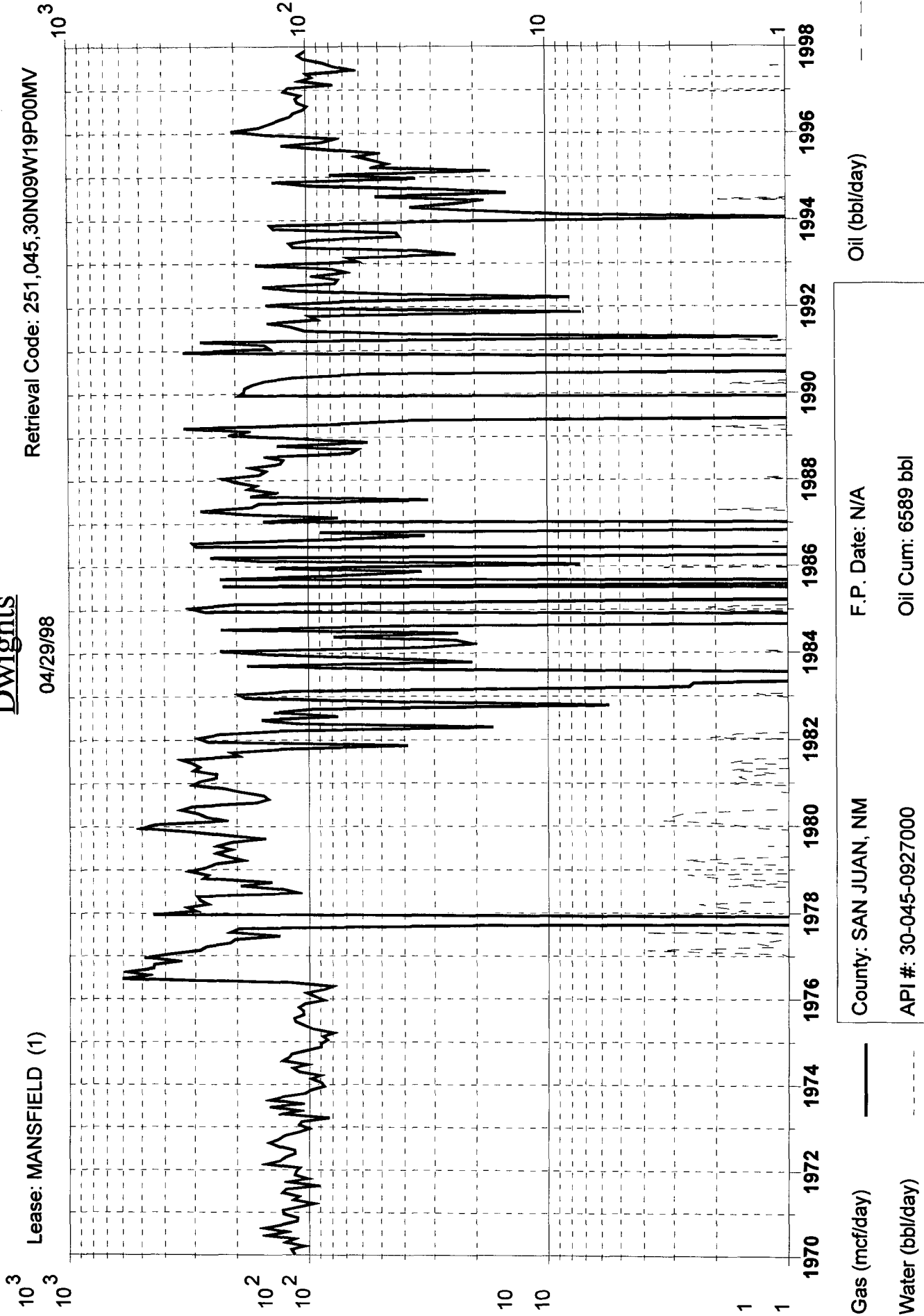
Operator: BURLINGTON RES O&G CO

Dwights

Lease: MANSFIELD (1)

04/29/98

Retrieval Code: 251,045,30N09W19P00MV



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

County: SAN JUAN, NM

API #: 30-045-0927000

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

F.P. Date: N/A

Oil Cum: 6589 bbl

Gas Cum: 2754 mmcf

Location: 19P 30N 9W

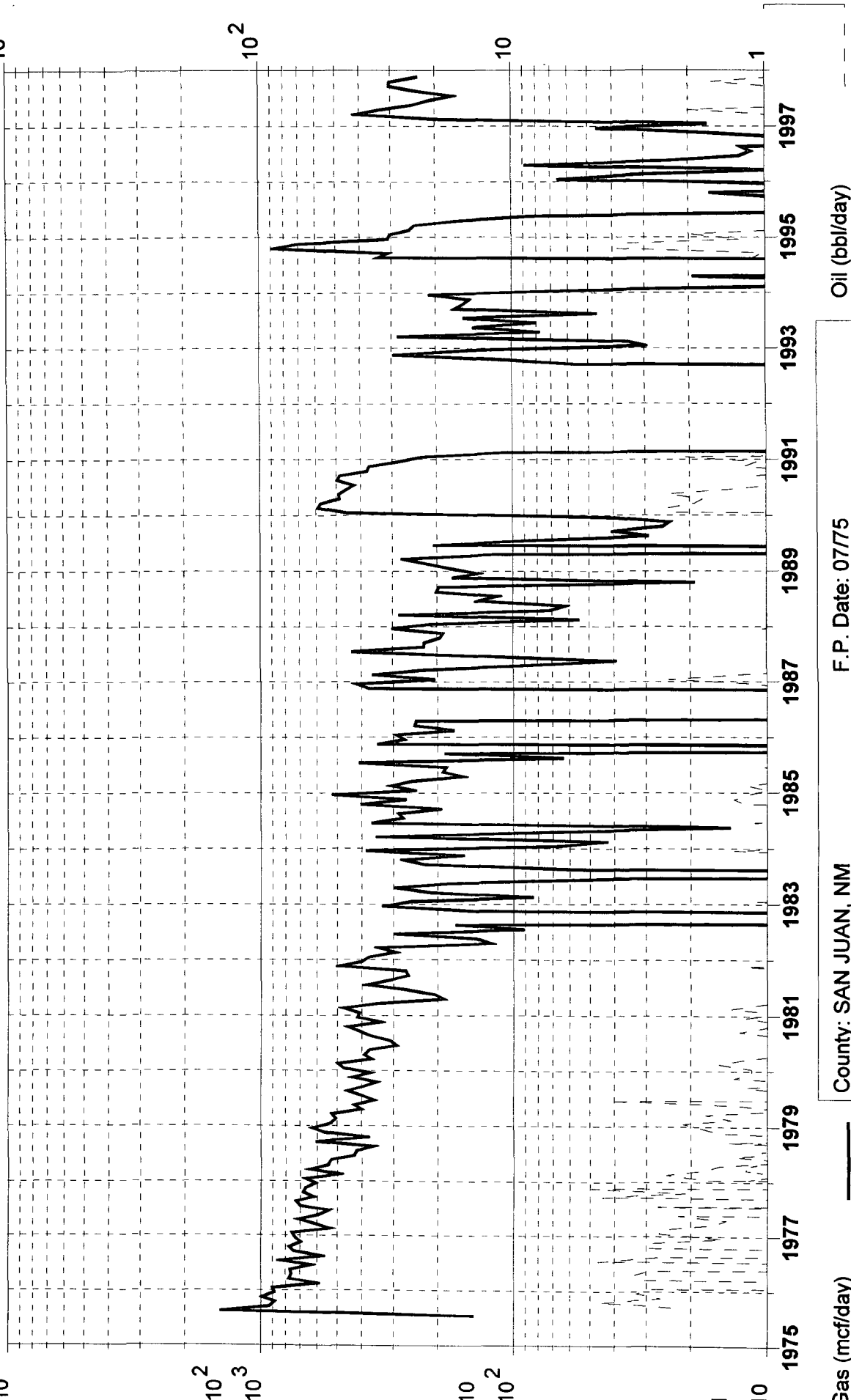
Dwights

Lease: FLORANCE B (1A)

Retrieval Code: 251,045,30N09W20E00MV

04/29/98

10³
10⁴
10²
10³
10²
10¹
10²
10³



County: SAN JUAN, NM
API #: 30-045-2172200
Reservoir: MESAVERDE
Operator: BURLINGTON RES O&G CO

F.P. Date: 07/75
Oil Cum: 6551 bbl
Gas Cum: 2239 mmcf
Location: 20E 30N 9W

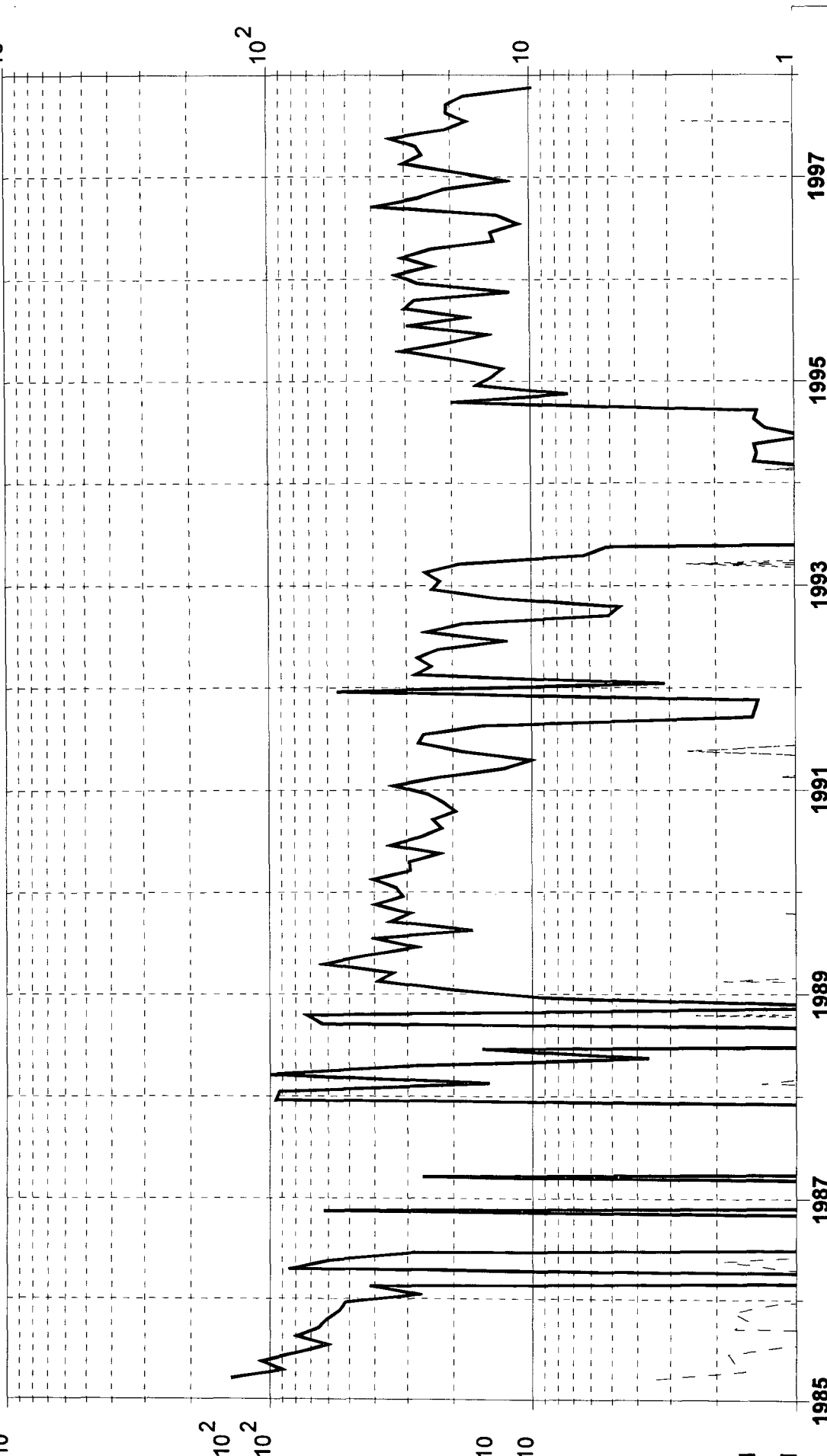
Dwights

Lease: MANSFIELD (1A)

Retrieval Code: 251,045,30N09W19A00FT

04/29/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

County: SAN JUAN, NM

F.P. Date: 03/85

API #: 30-045-2202600

Oil Cum: 1811 bbl

Reservoir: FRUITLAND COAL

Gas Cum: 111.6 mmcf

Operator: AMOCO PRODUCTION CO

Location: 19A 30N 9W

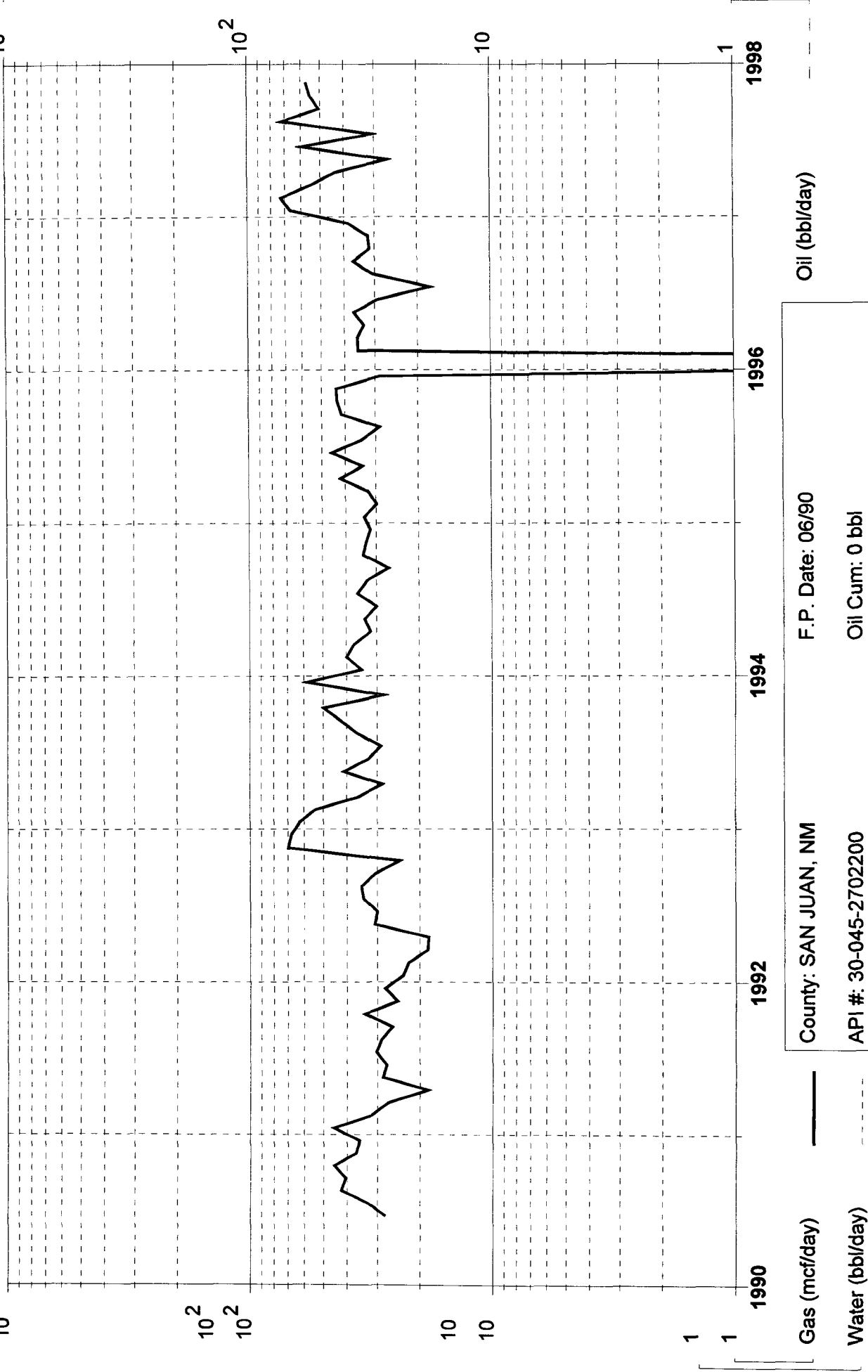
Dwights

Lease: FLORANCE B (250)

Retrieval Code: 251,045,30N09W20C00FT

04/29/98

10³ 10³ 10² 10² 10 10 1 1 1990 1992 1994 1996 1998



Gas (mcf/day)

Water (bbl/day)

Oil (bbl/day)

F.P. Date: 06/90

Oil Cum: 0 bbl

Gas Cum: 99.97 mmcf

Location: 20C 30N 9W

County: SAN JUAN, NM

API #: 30-045-2702200

Reservoir: FRUITLAND COAL

Operator: BURLINGTON RES O&G CO

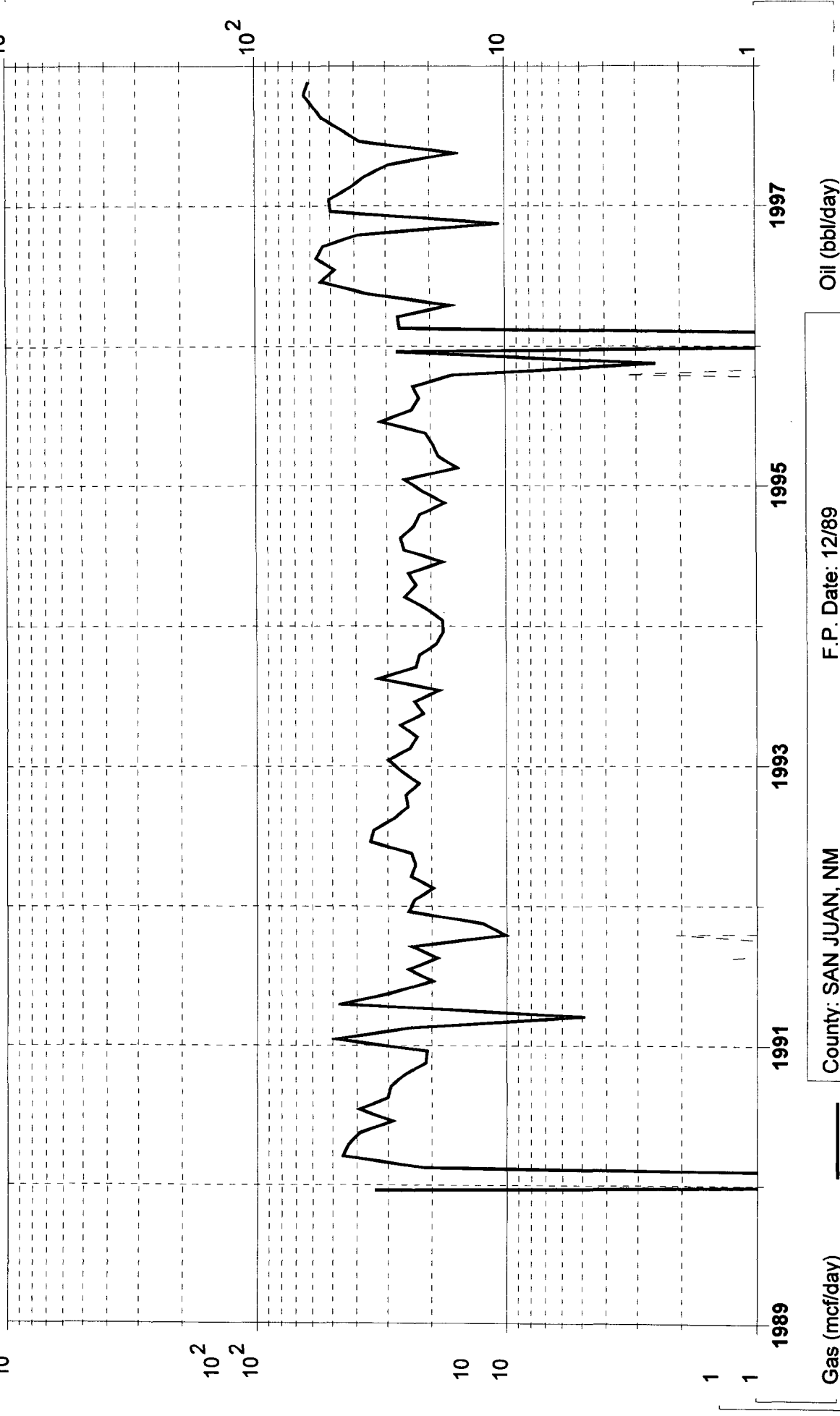
Dwights

Lease: PIERCE (252)

Retrieval Code: 251,045,30N09W17F00FT

04/29/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Water (bbl/day)

County: SAN JUAN, NM

F.P. Date: 12/89

API #: 30-045-2704000

Oil Cum: 446 bbl

Reservoir: FRUITLAND COAL

Gas Cum: 81.33 mmcf

Operator: BURLINGTON RES O&G CO

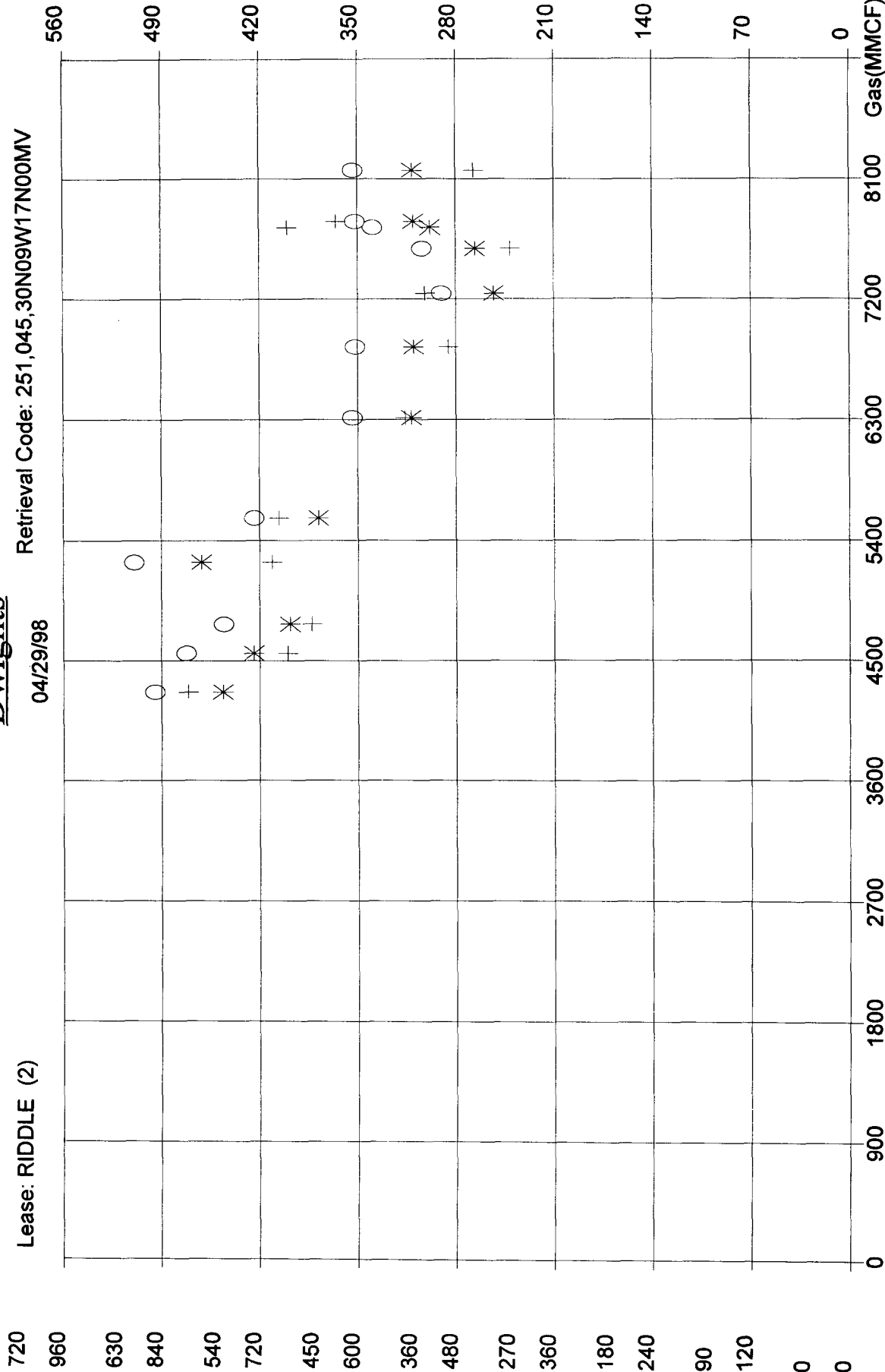
Location: 17F 30N 9W

Dwights

Lease: RIDDLE (2)

04/29/98

Retrieval Code: 251,045,30N09W17N00MV



BHP/Z

WHSIP

County: SAN JUAN, NM

API #: 30-045-0945700

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

F.P. Date: 12/50

Oil Cum: 16.27 mbbl

Gas Cum: 9042 mmcf

Location: 17N 30N 9W

WHFP

720

960

630

840

540

720

450

600

360

480

270

360

180

240

90

120

0

0

BHP/Z

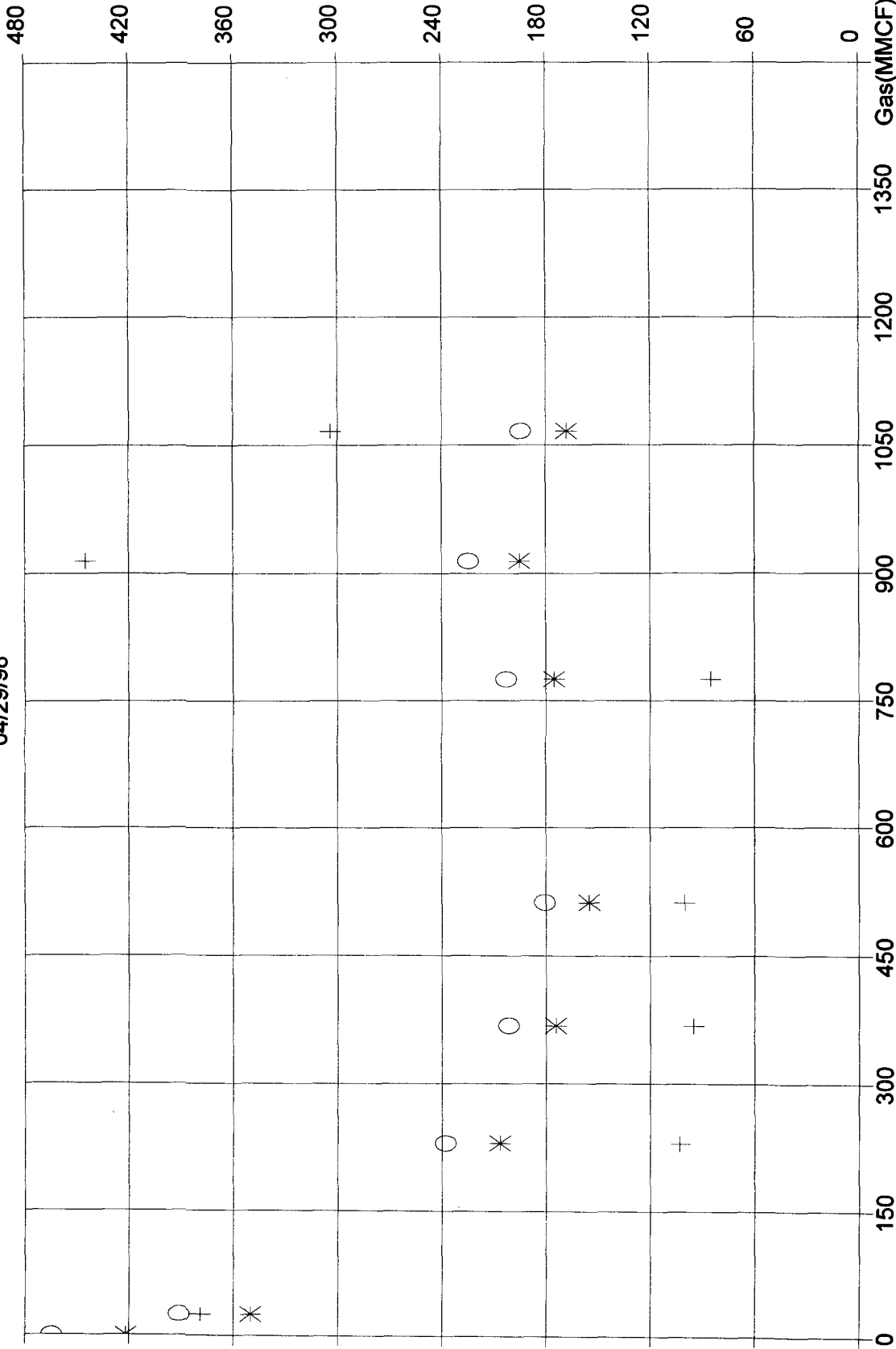
WHSIP

Dwights

04/29/98

Lease: FLORANCE GAS COM I (13A)

Retrieval Code: 251,045,30N09W18100MV



WHP

F.P. Date: 04/77

County: SAN JUAN, NM

Oil Cum: 11.32 mbbl

API #: 30-045-2214900

Gas Cum: 1741 mmcf

Reservoir: MESAVERDE

Location: 181 30N 9W

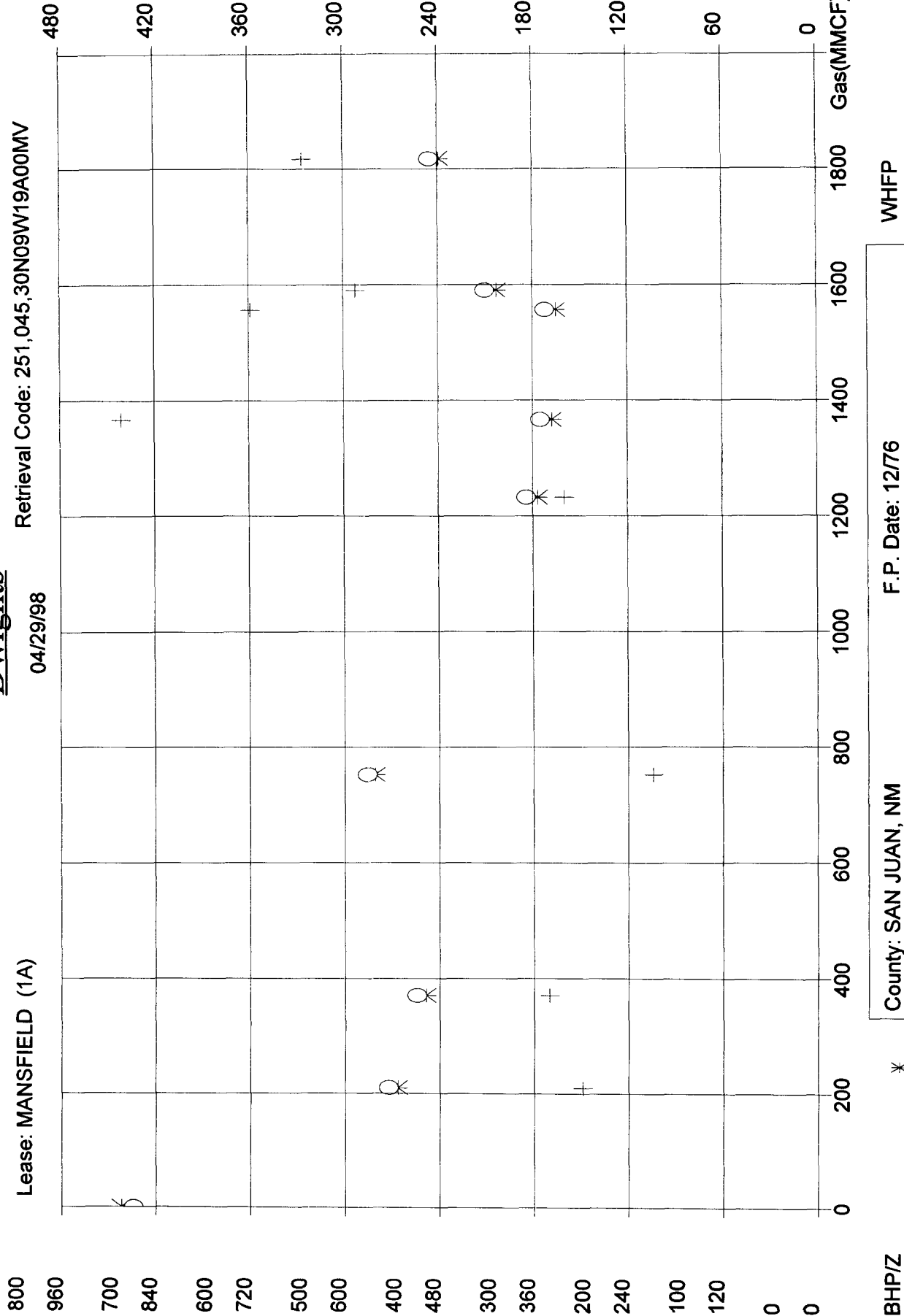
Operator: AMOCO PRODUCTION CO

Dwights

Lease: MANSFIELD (1A)

04/29/98

Retrieval Code: 251,045,30N09W19A00MV



BHP/Z

WHSIP

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County: SAN JUAN, NM

API #: 30-045-2202600

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

F.P. Date: 12/76

Oil Cum: 2940 bbl

Gas Cum: 2327 mmcf

Location: 19A 30N 9W

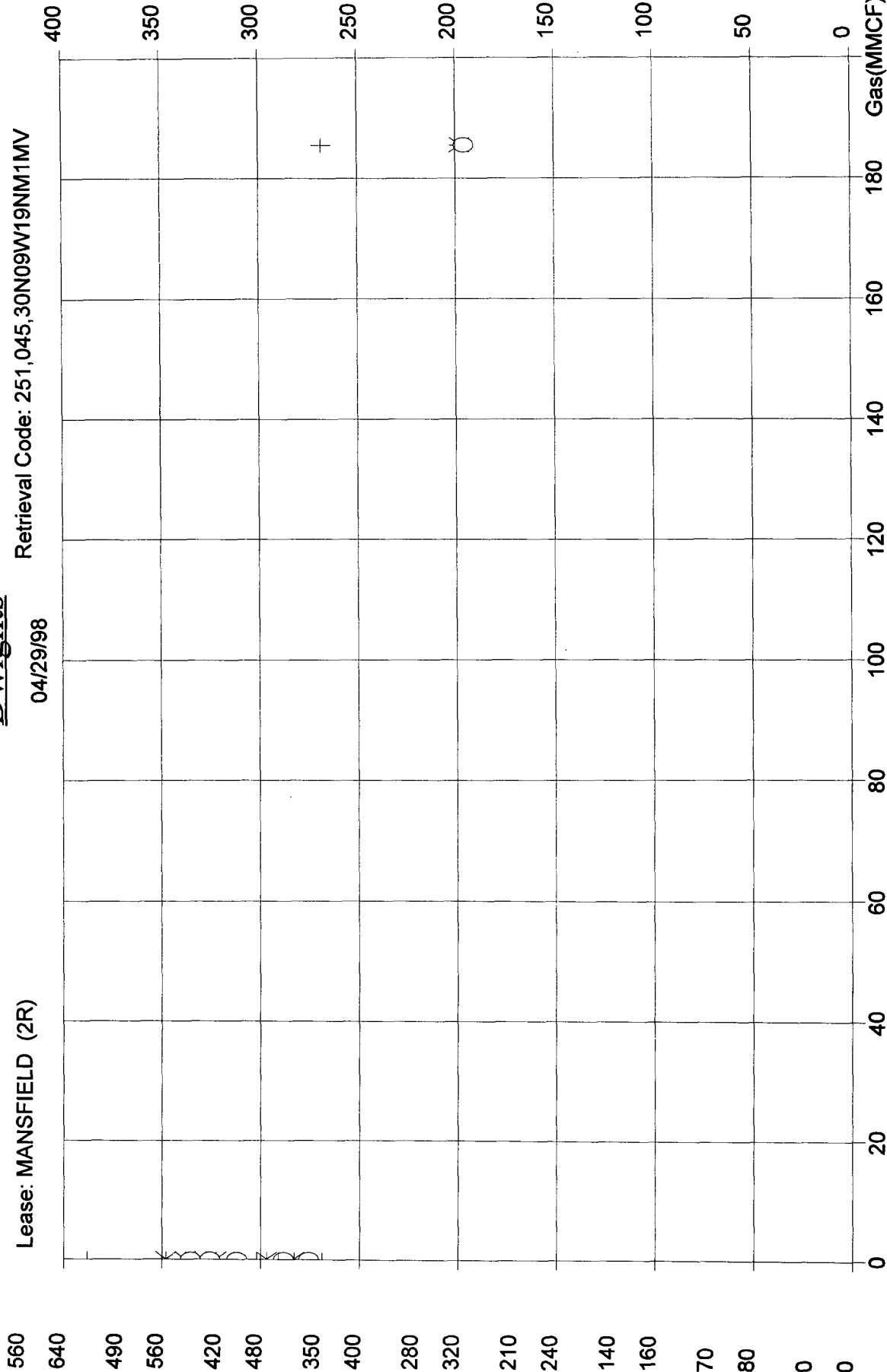
WHFP

Dwights

Lease: MANSFIELD (2R)

04/29/98

Retrieval Code: 251,045,30N09W19NM1MV



WHFP

F.P. Date: 05/53

County: SAN JUAN, NM

Oil Cum: 2142 bbl

API #: 30-045-2851300

Gas Cum: 484.2 mmcf

Reservoir: MESAVERDE

Location: 19N 30N 9W

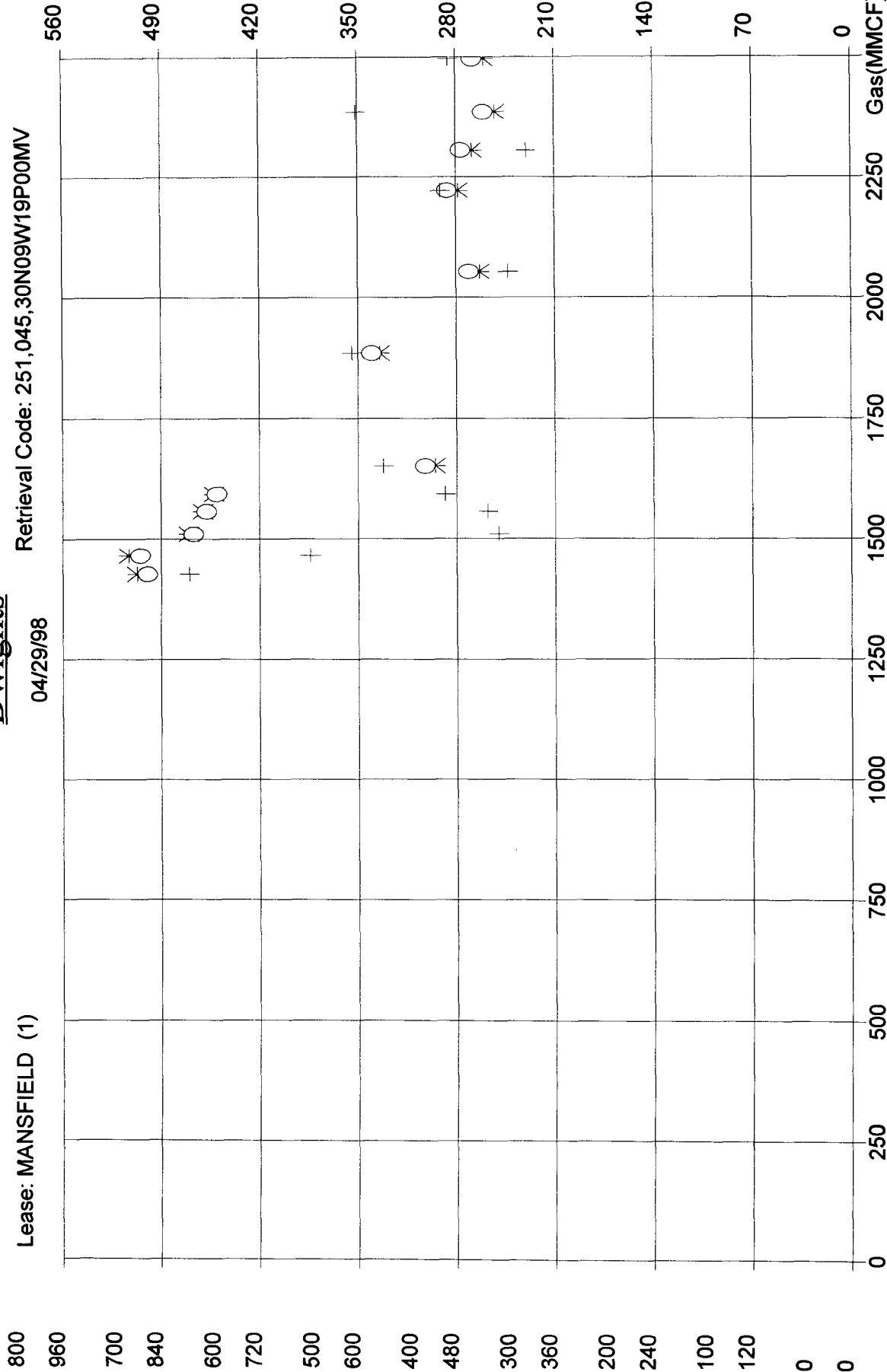
Operator: BURLINGTON RES O&G CO

Dwights

Lease: MANSFIELD (1)

04/29/98

Retrieval Code: 251,045,30N09W19P00MV



WHFP

F.P. Date: N/A

County: SAN JUAN, NM

API #: 30-045-0927000

Oil Cum: 6589 bbl

Gas Cum: 2754 mmcf

Reservoir: MESAVERDE

Location: 19P 30N 9W

Operator: AMOCO PRODUCTION CO

720

800

630

700

540

600

450

500

360

400

270

300

180

200

90

100

0

0

BHP/Z

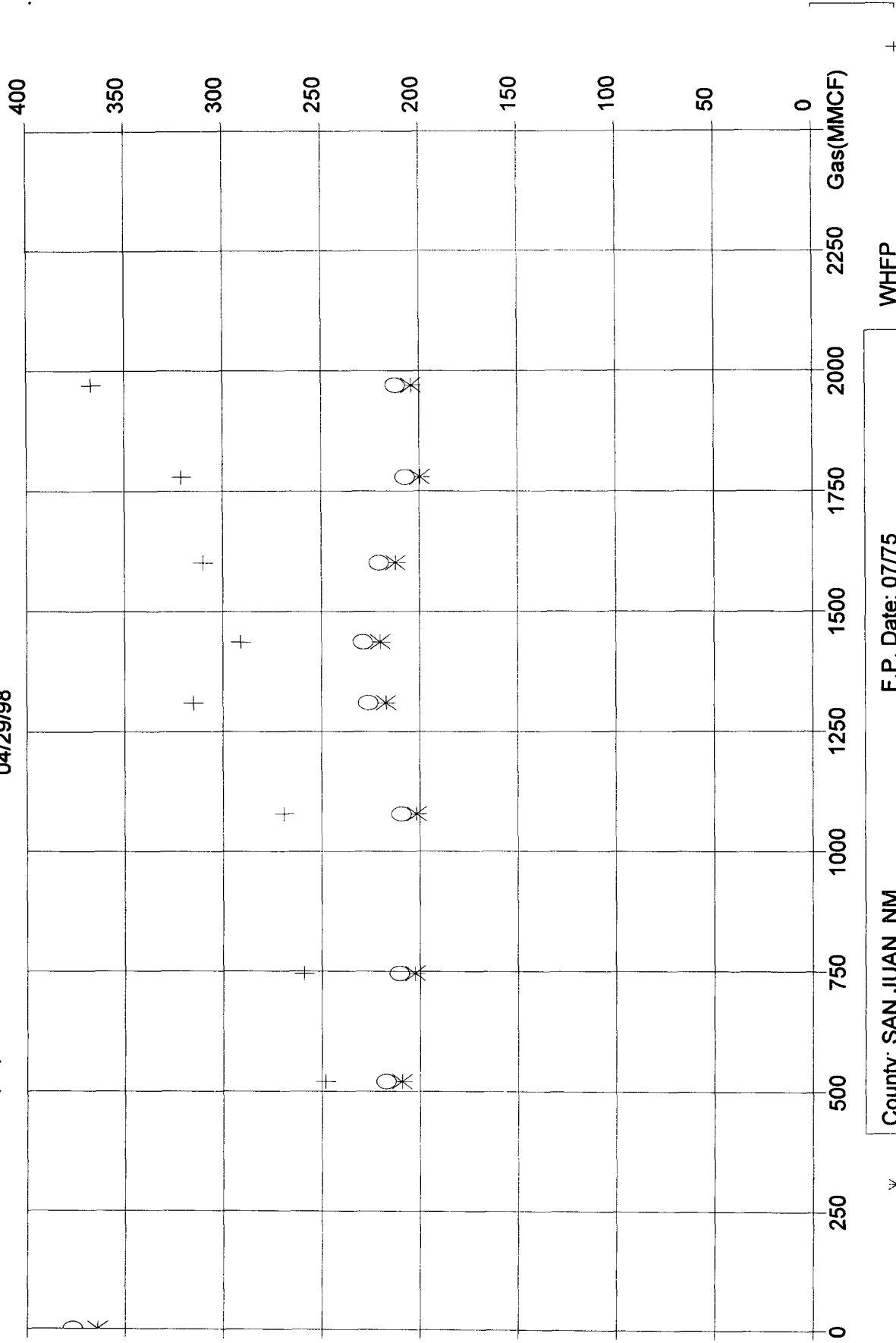
WHSIP

Dwights

Lease: FLORANCE B (1A)

04/29/98

Retrieval Code: 251,045,30N09W20E00MV



WHP

F.P. Date: 07/75

County: SAN JUAN, NM

API #: 30-045-2172200

Oil Cum: 6551 bbl

Reservoir: MESAVERDE

Gas Cum: 2239 mmcf

Operator: BURLINGTON RES O&G CO

Location: 20E 30N 9W