

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ELLIOTT GAS COMR #1E

1922

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]

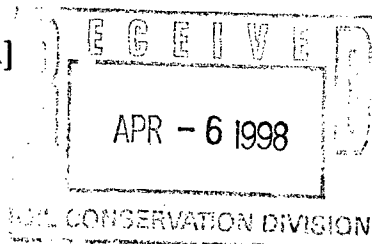
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[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

Pamela W. Staley
 Signature

REGULATORY AFFAIRS ENGR.
 Title

3/26/98
 Date



Amoco Exploration and Production

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

March 26, 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
Elliott Gas Com R #1E
Unit C Section 34-T30N-R9W
Basin Dakota 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 his 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
Elliott Gas Com R #1E

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

Production Allocation Recommendation
Elliott Gas Com R #1E

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:	DK	110 MCFD	43%
	MV	145 MCFD	57%
Oil:			
	DK	0 BOPD	50%
	MV	0.5 BOPD	50%

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

DISTRICT II
811 South First St., Artesia, NM 88210-2835

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

☒ Administrative ☐ Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
☒ YES ☐ NO

Amoco Production Company

P.O. Box 800 Denver, CO 80201

Operator
Elliott Gas Com R

1E

Address
C-34-30N-9W
Unit Ltr. - Sec Twp - Rge

San Juan
County

Lease

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000453 API NO. 3004524383 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	BLANCO MESAVERDE 72319		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	'4066 - 4812 ' PROPOSED		6818' - 6954'
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) 575 PSI b. (Original) 1399 PSI	a. b.	a. 1300 PSI b. 2763 PSI
6. Oil Gravity (* API) or Gas BTU Content	1150 BTU / 49 DEG API		1100 BTU
7. Producing or Shut-In?	NEW		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)	NO EST Date: 145 MCFD Rates: 0.5 BCPD 0 BWPD		YES Date: Rates: 110 MCFD 0 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 100 % Gas 57 %	Oil: % Gas %	Oil: 0 % Gas 43 %

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
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-078139 COM AGREEMENTS SW-270 DK 1408001470 MV
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 Pamela W. Staley TITLE REGULATORY AFFAIRS ENGR DATE 3/26/98
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

All distances must be from the outer boundaries of the Section

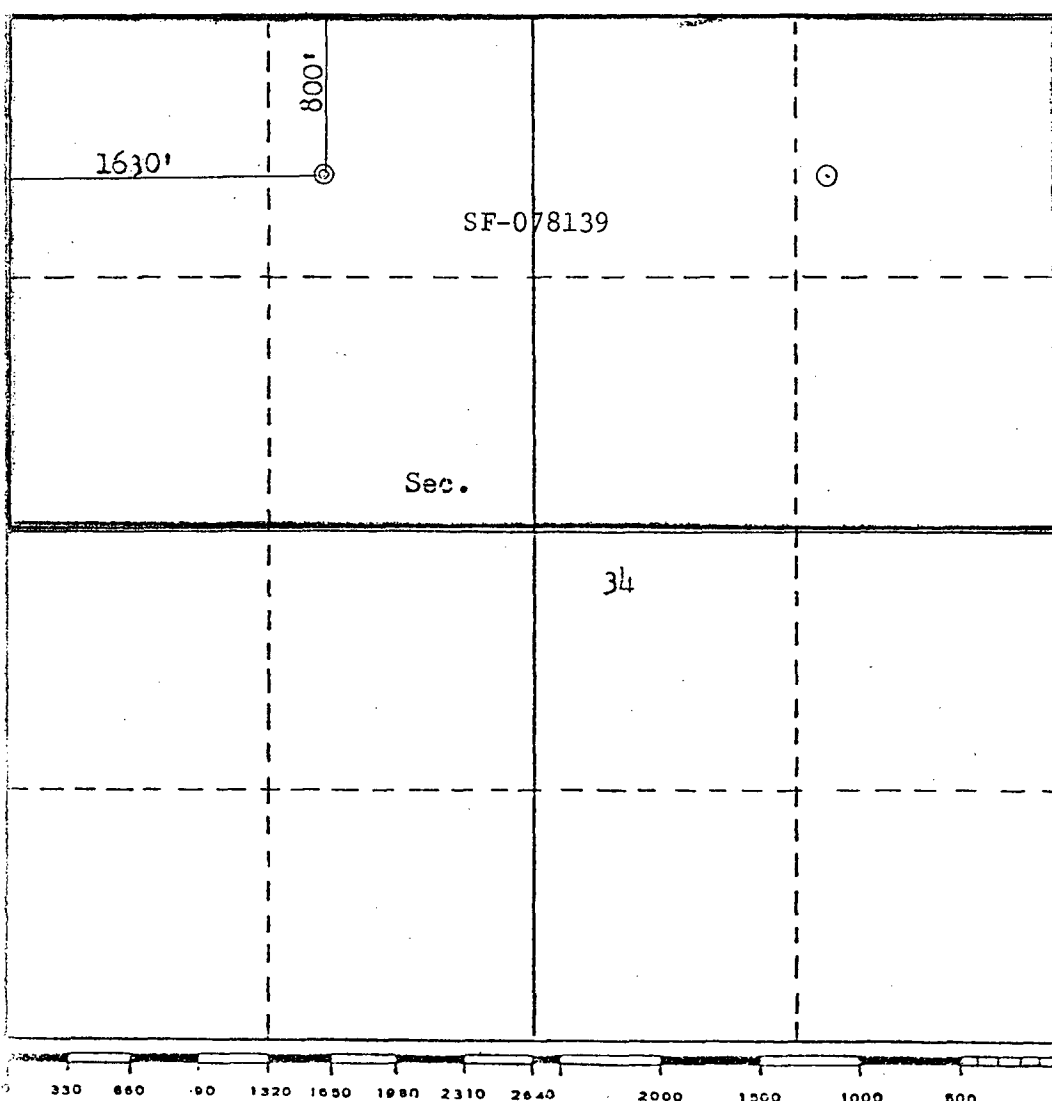
Operator AMOCO PRODUCTION COMPANY			Lease ELLIOTT GAS COM "R"		Well No. 1-E
Unit Letter C	Section 34	Township 30N	Range 9W	County San Juan	
Location of Well: 800 feet from the North line and 1630 feet from the West line					
Ground Level Elev. 5761	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320 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.

B. E. Fackrell

Name

B. E. FACKRELL

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

FEBRUARY 25, 1980

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

February 19, 1980

Registered Professional Engineer
and/or Land Surveyor*Fred B. Kerr, Jr.*

Certificate No.

3950

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3004524383	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000453	⁵ Property Name Elliott Gas Com "R"	⁶ Well Number 1E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 5761'

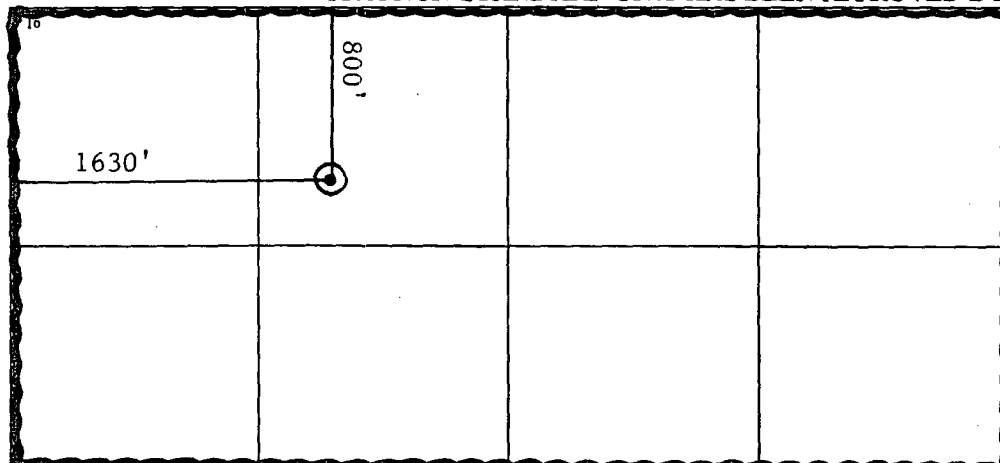
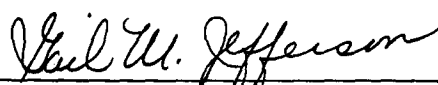
¹⁰ Surface Location

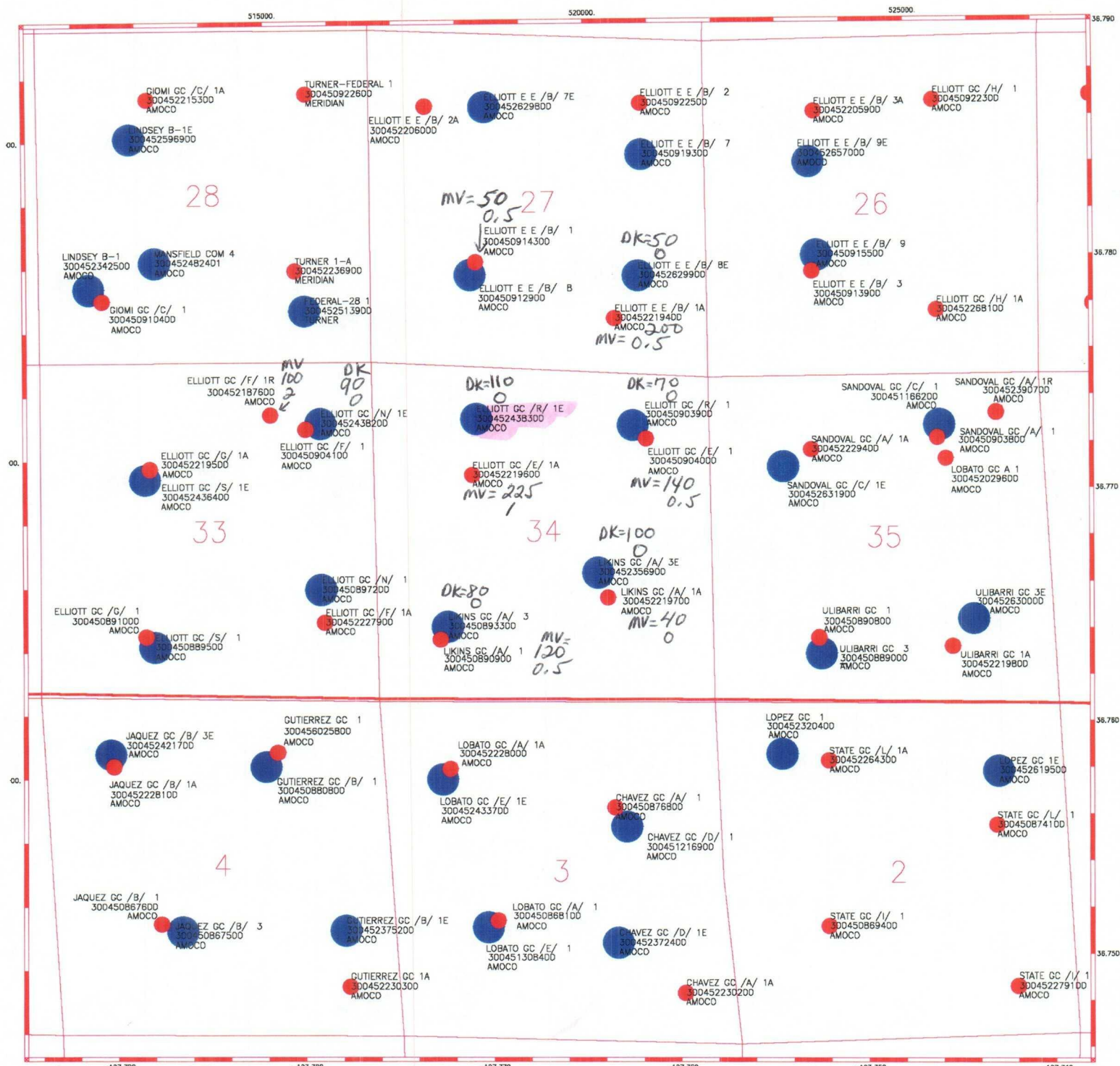
UI or lot no. C	Section 34	Township 30N	Range 9W	Lot.Idn	Feet from the 800	North/South Line North	Feet from the 1630	East/West Line West	County SJ
--------------------	---------------	-----------------	-------------	---------	----------------------	---------------------------	-----------------------	------------------------	--------------

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order Number						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Gail M. Jefferson Printed Name Sr. Admin. Staff Asst. Title March 26, 1998 Date
	¹⁸ SURVEYOR CERTIFICATION <i>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 belief.</i> February 19, 1980 Date of Survey Signature and Seal of Professional Surveyer: 3950 Certificate Number



ALLOCATIONS-GAS;

DK=43 90
MV=57 90

OIL:

DK=0 90
MV=100 90

49 API GRAVITY

AMOCO PRODUCTION COMPANY		
9 SECTION PLAT ELLIOTT GC R 1E MESAVERE AND DAKOTA FORMATIONS		
ALC		3/5/98
Scale 1:26284.15		

LEGEND	
● DAKOTA	top # = MCFD
● MESAVERDE	bottom # = BOPD

avg. DK BHP = 1300
avg. MV BHP = 575

ORIB DK 2763
ORIB MV 1399

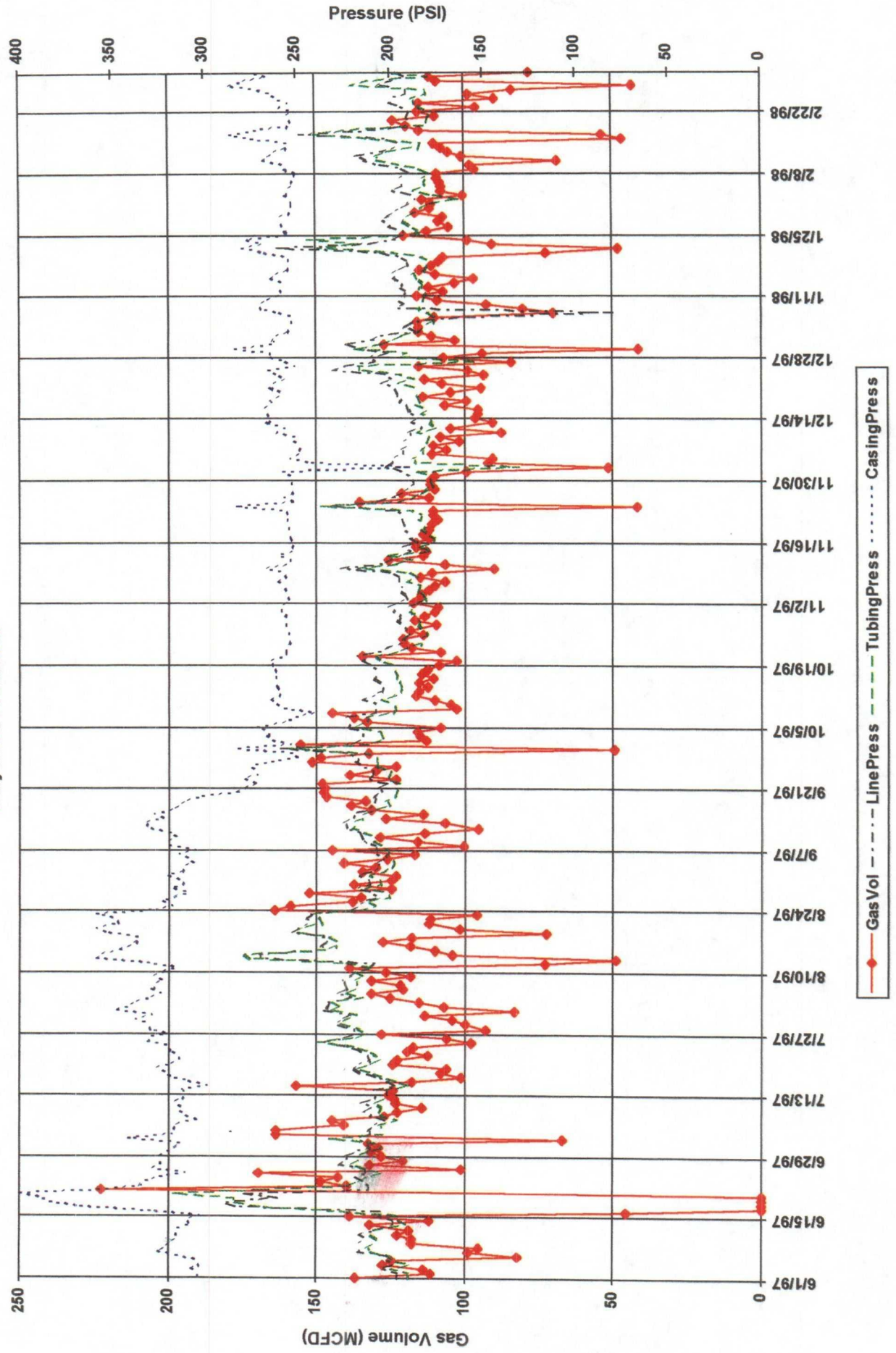
Wellname: ELLIOTT GC R 001E-DK

Meter: 93500

API: 300452438300

Amoco - OIDB/Synergy Data

Daily Meter Production

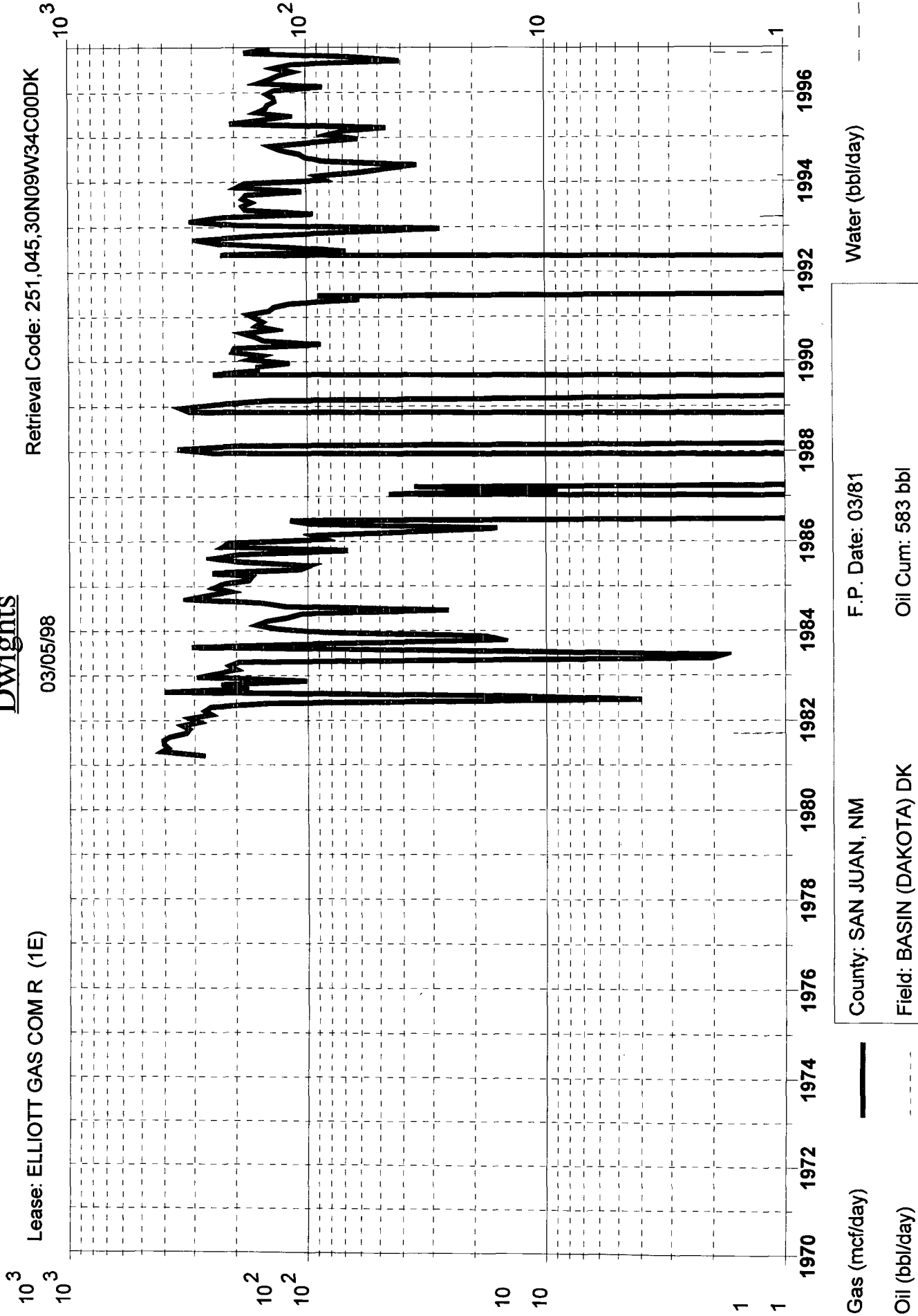


Dwights

Lease: ELLIOTT GAS COM R (1E)

Retrieval Code: 251,045,30N09W34C00DK

03/05/98



County: SAN JUAN, NM F.P. Date: 03/81

Field: BASIN (DAKOTA) DK Oil Cum: 583 bbl

API #: 30-045-2438300 Gas Cum: 779.2 mmcf

Operator: AMOCO PRODUCTION CO Location: 34C 30N 9W

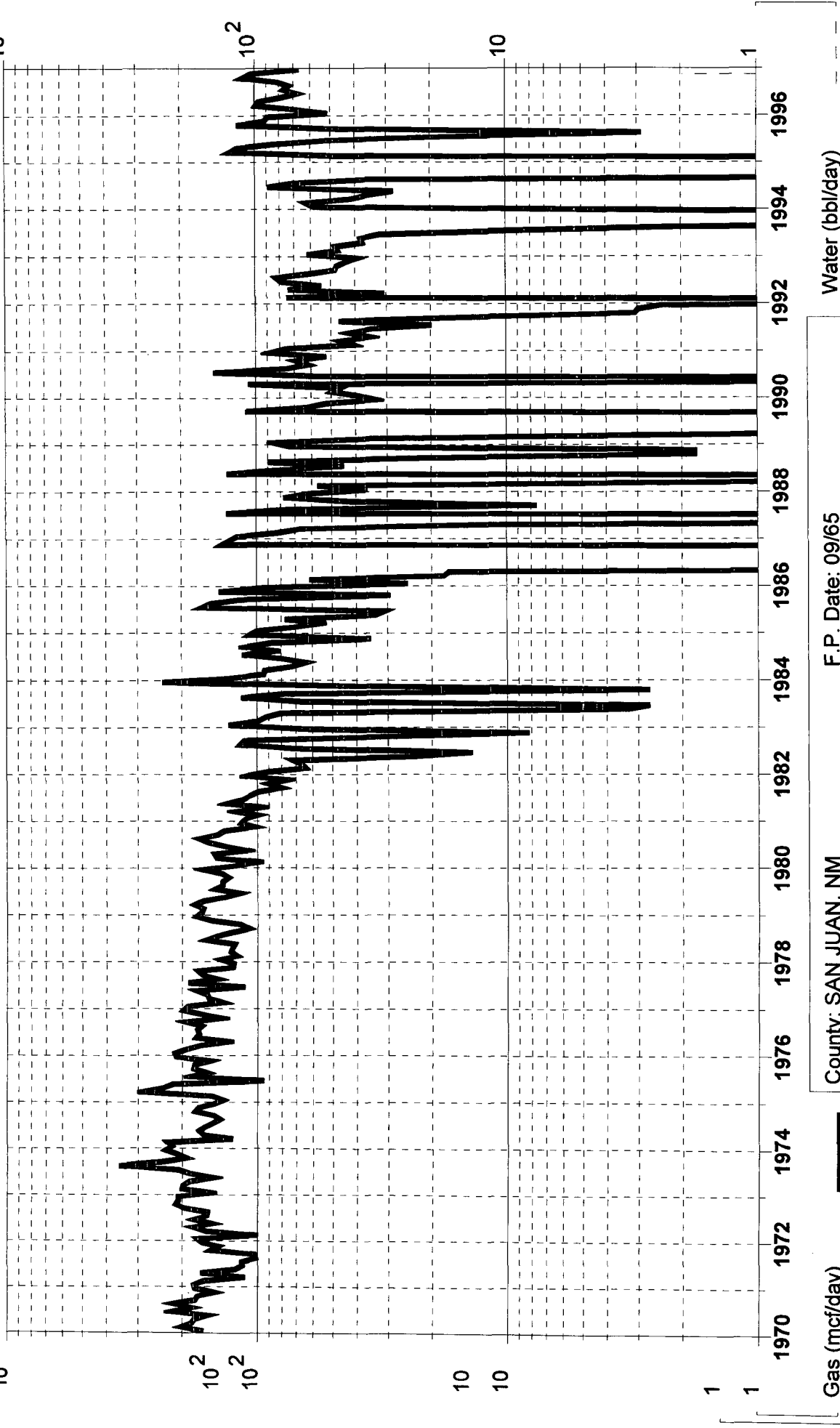
Dwights

Lease: ELLIOTT GAS COM R (1)

Retrieval Code: 251,045,30N09W34A00DK

03/05/98

10³
10³
10²
10²
10
10
1
1



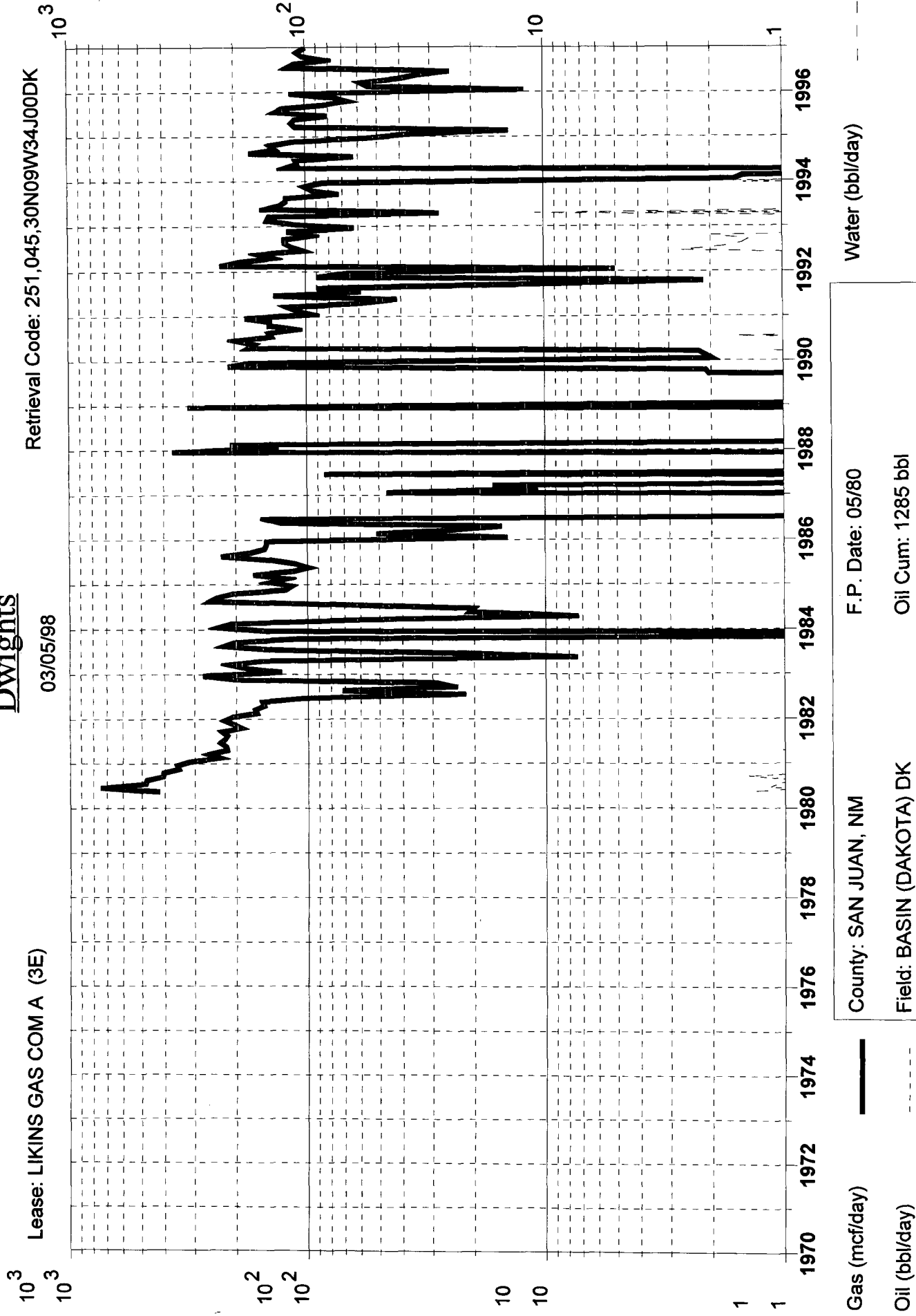
County: SAN JUAN, NM	F.P. Date: 09/65
Field: BASIN (DAKOTA) DK	Oil Cum: 171 bbl
API #: 30-045-0903900	Gas Cum: 1351 mmcf
Operator: AMOCO PRODUCTION CO	Location: 34A 30N 9W

Dwights

Lease: LIKINS GAS COM A (3E)

Retrieval Code: 251,045,30N09W34J00DK

03/05/98



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: SAN JUAN, NM F.P. Date: 05/80

Field: BASIN (DAKOTA) DK Oil Cum: 1285 bbl

API #: 30-045-2356900 Gas Cum: 711.4 mmcf

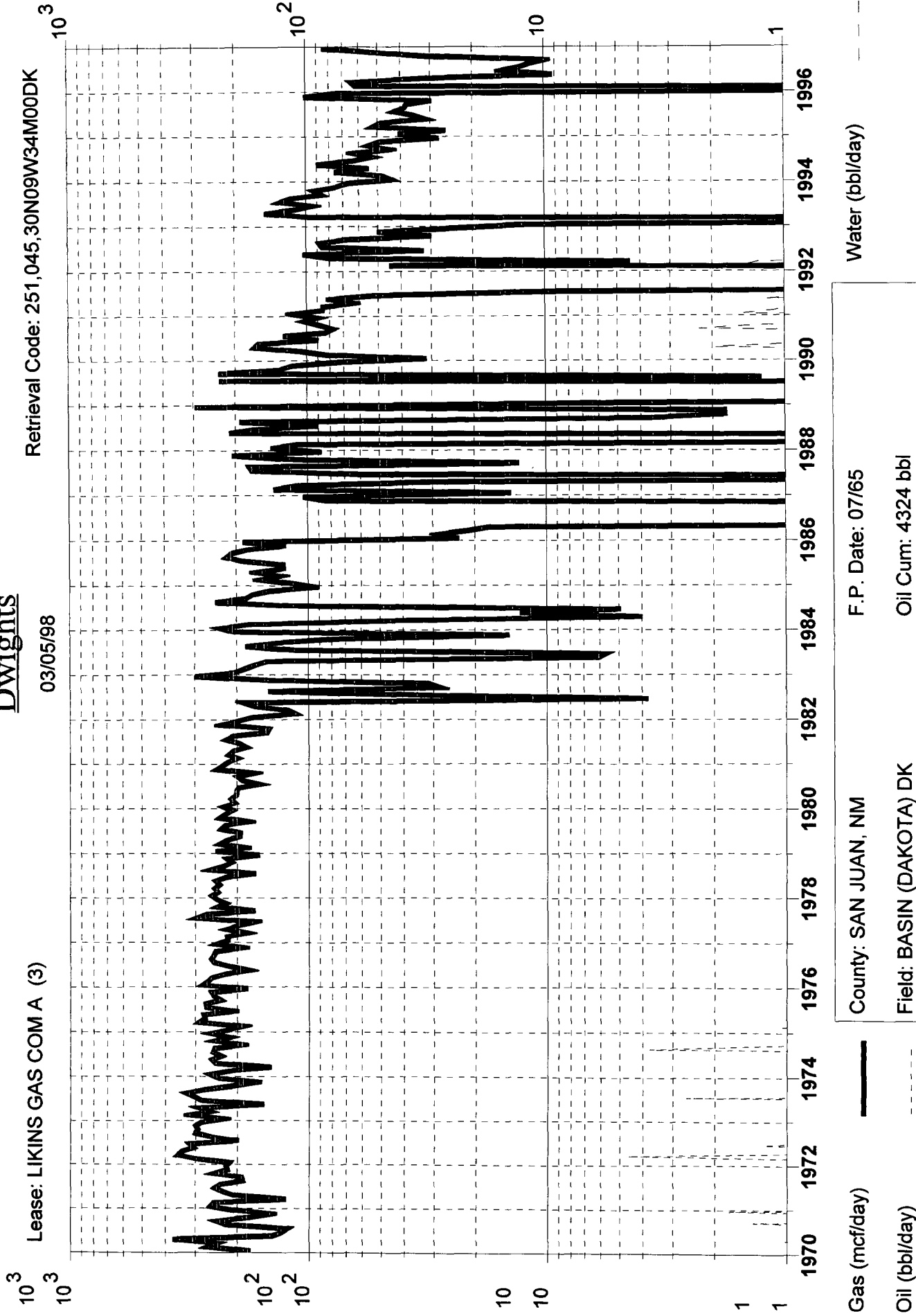
Operator: AMOCO PRODUCTION CO Location: 34J 30N 9W

Dwights

Lease: LIKINS GAS COM A (3)

Retrieval Code: 251,045,30N09W34M00DK

03/05/98



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

API #: 30-045-0893300

Operator: AMOCO PRODUCTION CO

F.P. Date: 07/65

Oil Cum: 4324 bbl

Gas Cum: 1949 mmcf

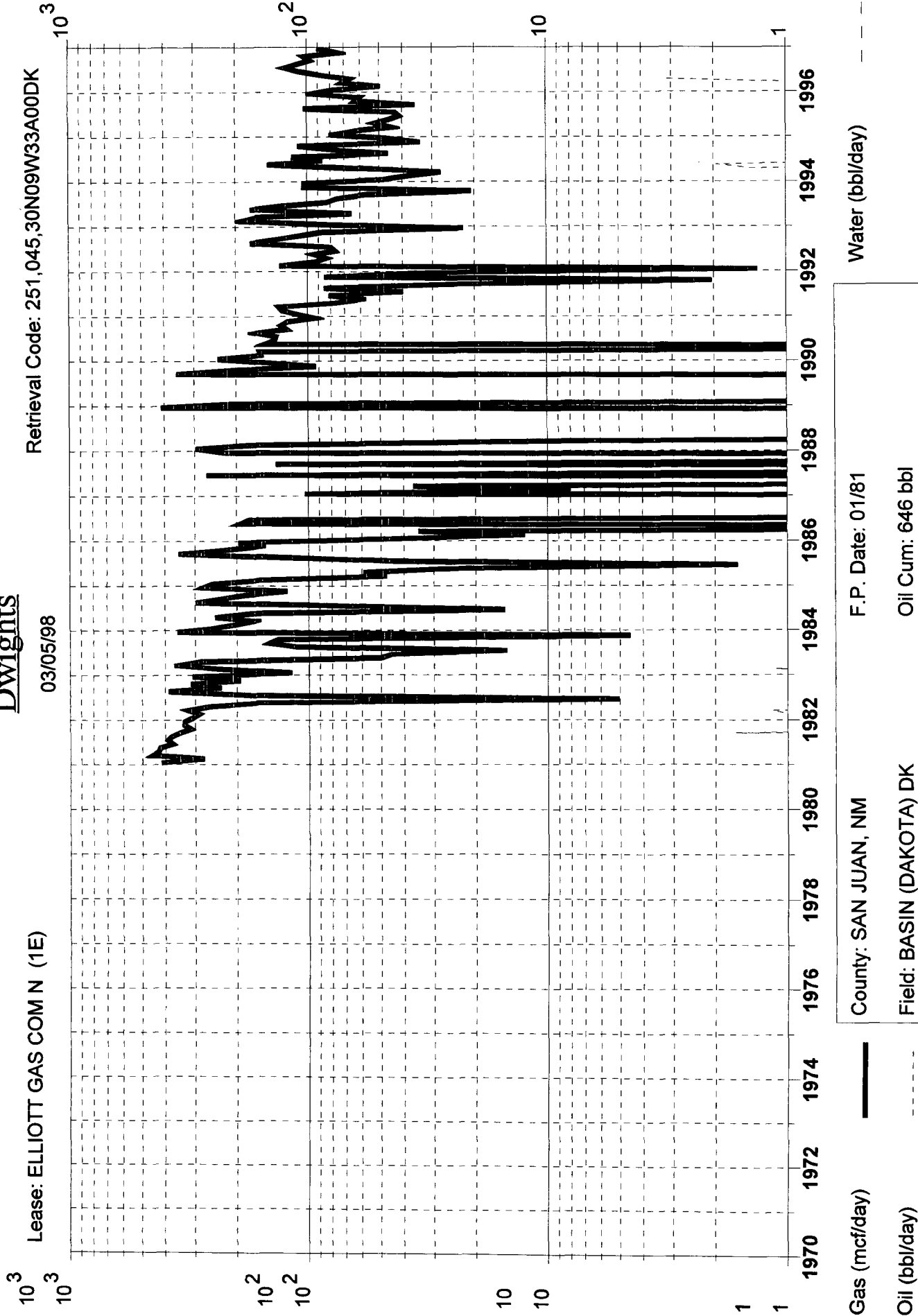
Location: 34M 30N 9W

Dwights

Lease: ELLIOTT GAS COM N (1E)

Retrieval Code: 251,045,30N09W33A00DK

03/05/98



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 01/81

County: SAN JUAN, NM

Oil Cum: 646 bbl

Field: BASIN (DAKOTA) DK

Gas Cum: 739.6 mmcf

API #: 30-045-2438200

Location: 33A 30N 9W

Operator: AMOCO PRODUCTION CO

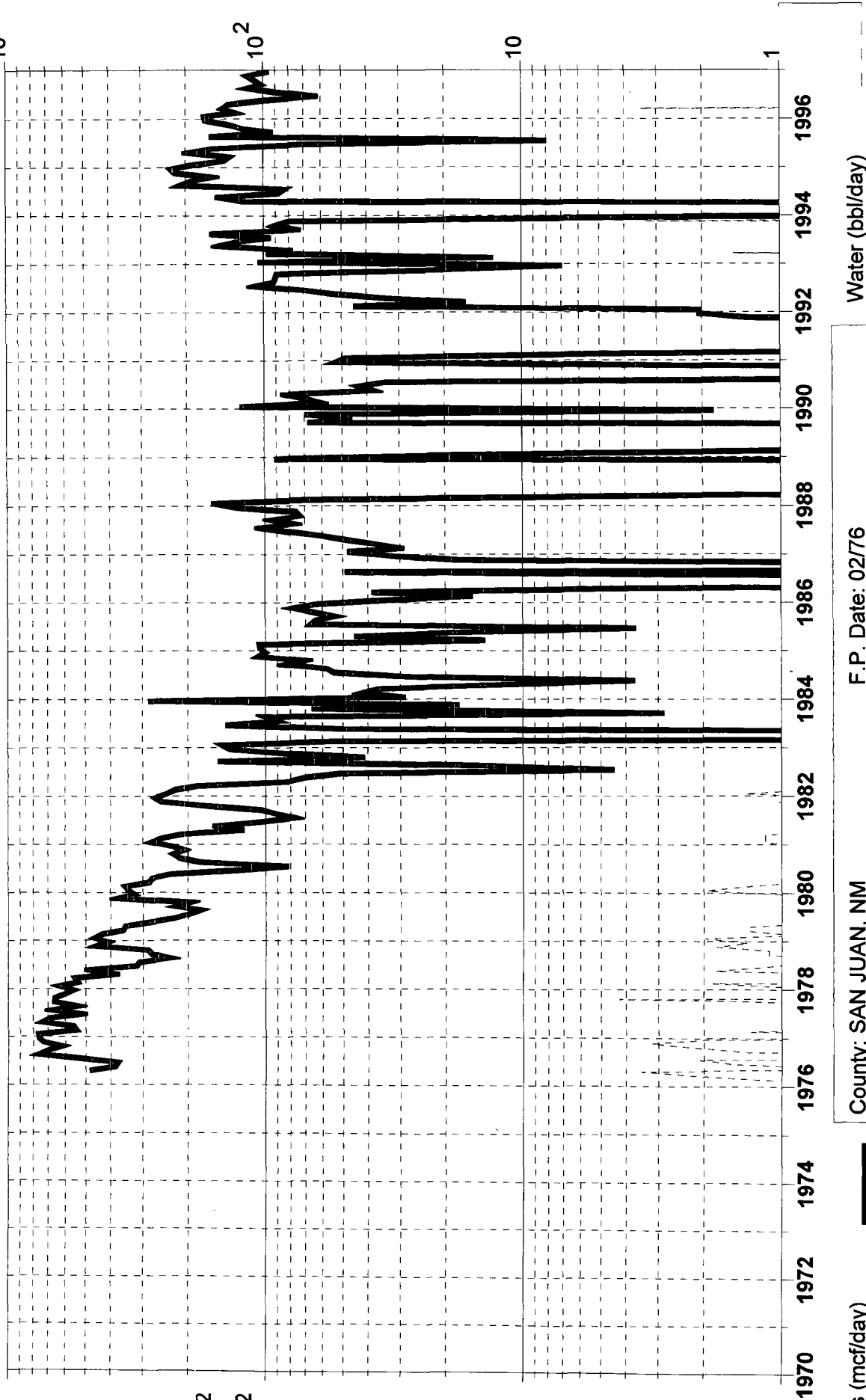
Dwights

Lease: ELLIOTT GAS COM F (1R)

Retrieval Code: 251,045,30N09W33B00MV

03/05/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 02/76

County: SAN JUAN, NM

Field: BLANCO (MESAVERDE) MV

Oil Cum: 3067 bbl

API #: 30-045-2187600

Gas Cum: 1174 mmcf

Operator: AMOCO PRODUCTION CO

Location: 33B 30N 9W

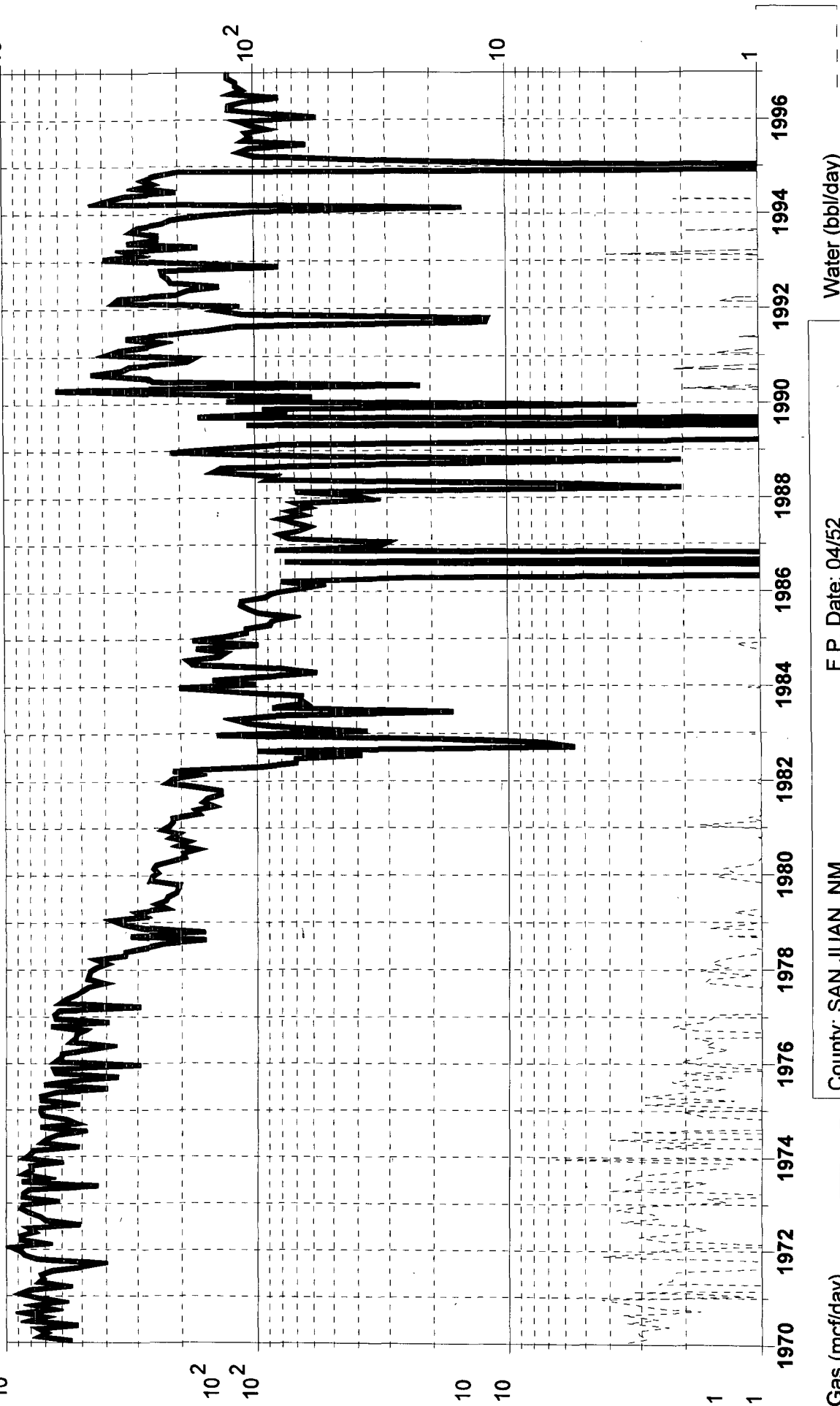
Dwights

Lease: LIKINS GAS COM A (1)

Retrieval Code: 251,045,30N09W34M00MV

03/05/98

10³
10³
10²
10²
10
10
1
1



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 04/52

County: SAN JUAN, NM

Field: BLANCO (MESAVARDE) MV

Oil Cum: 22.65 mmbbl

API #: 30-045-0890900

Gas Cum: 7329 mmcf

Operator: AMOCO PRODUCTION CO

Location: 34M 30N 9W

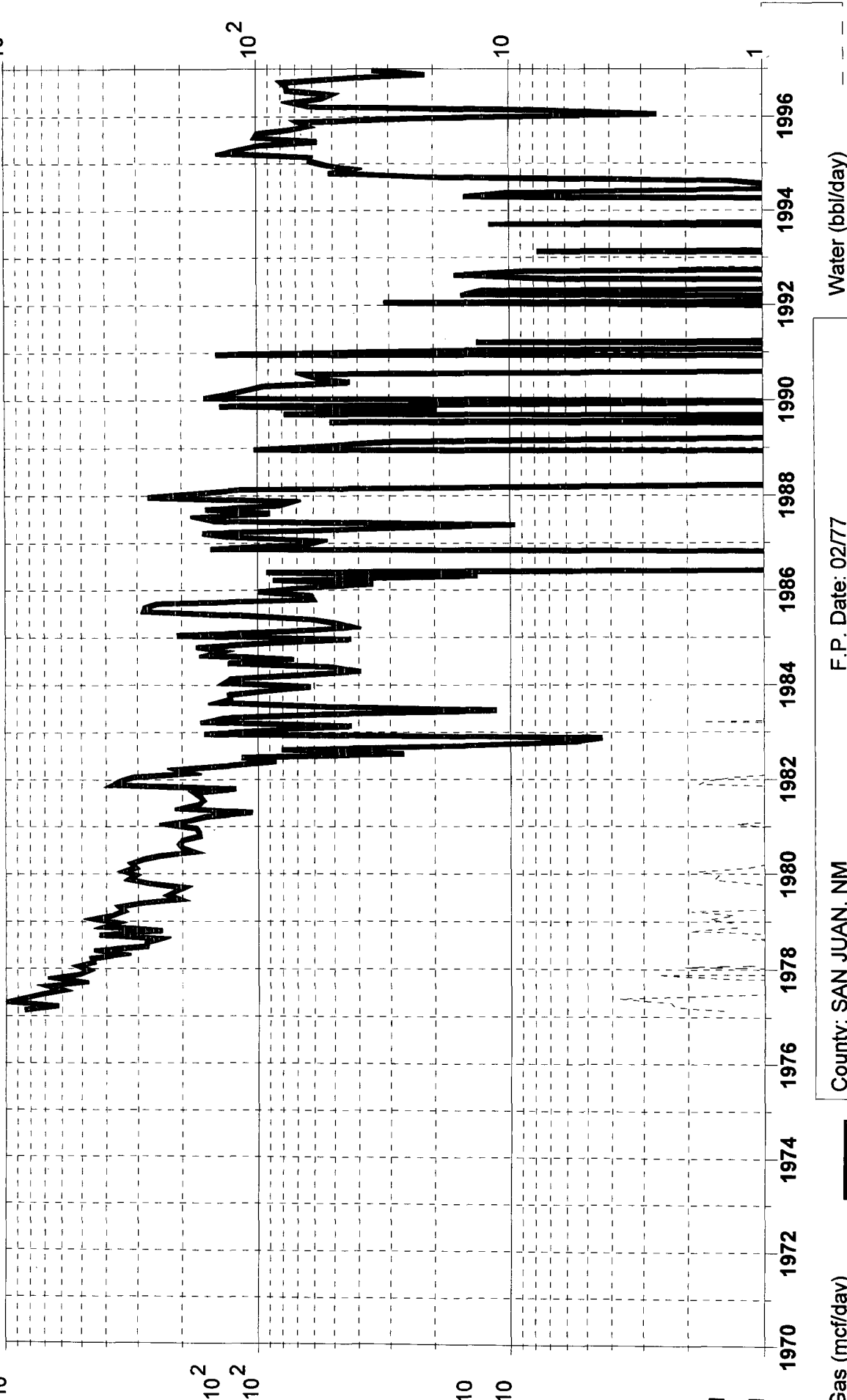
Dwights

Lease: LIKINS GAS COM A (1A)

Retrieval Code: 251,045,30N09W34J00MV

03/05/98

10³ 10³ 10² 10² 10 10 1 1



County: SAN JUAN, NM
Field: BLANCO (MESAVERDE) MV
API #: 30-045-2219700
Operator: AMOCO PRODUCTION CO

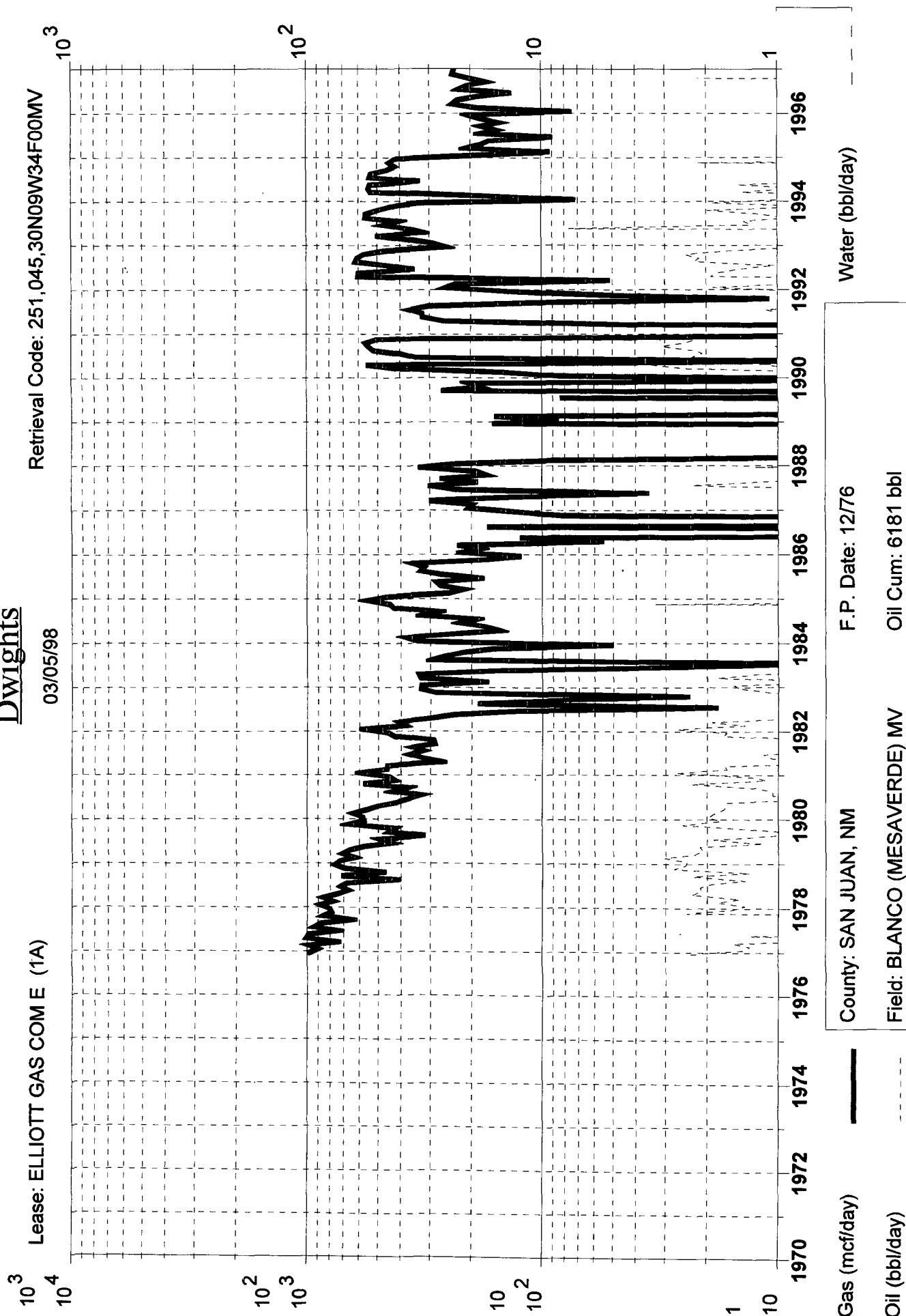
F.P. Date: 02/77
Oil Cum: 2476 bbl
Gas Cum: 956.5 mmcf
Location: 34J 30N 9W

Dwights

Lease: ELLIOTT GAS COM E (1A)

Retrieval Code: 251,045,30N09W34F00MV

03/05/98



County: SAN JUAN, NM	F.P. Date: 12/76
Field: BLANCO (MESAVERDE) MV	Oil Cum: 6181 bbl
API #: 30-045-2219600	Gas Cum: 2456 mmcf
Operator: AMOCO PRODUCTION CO	Location: 34F 30N 9W

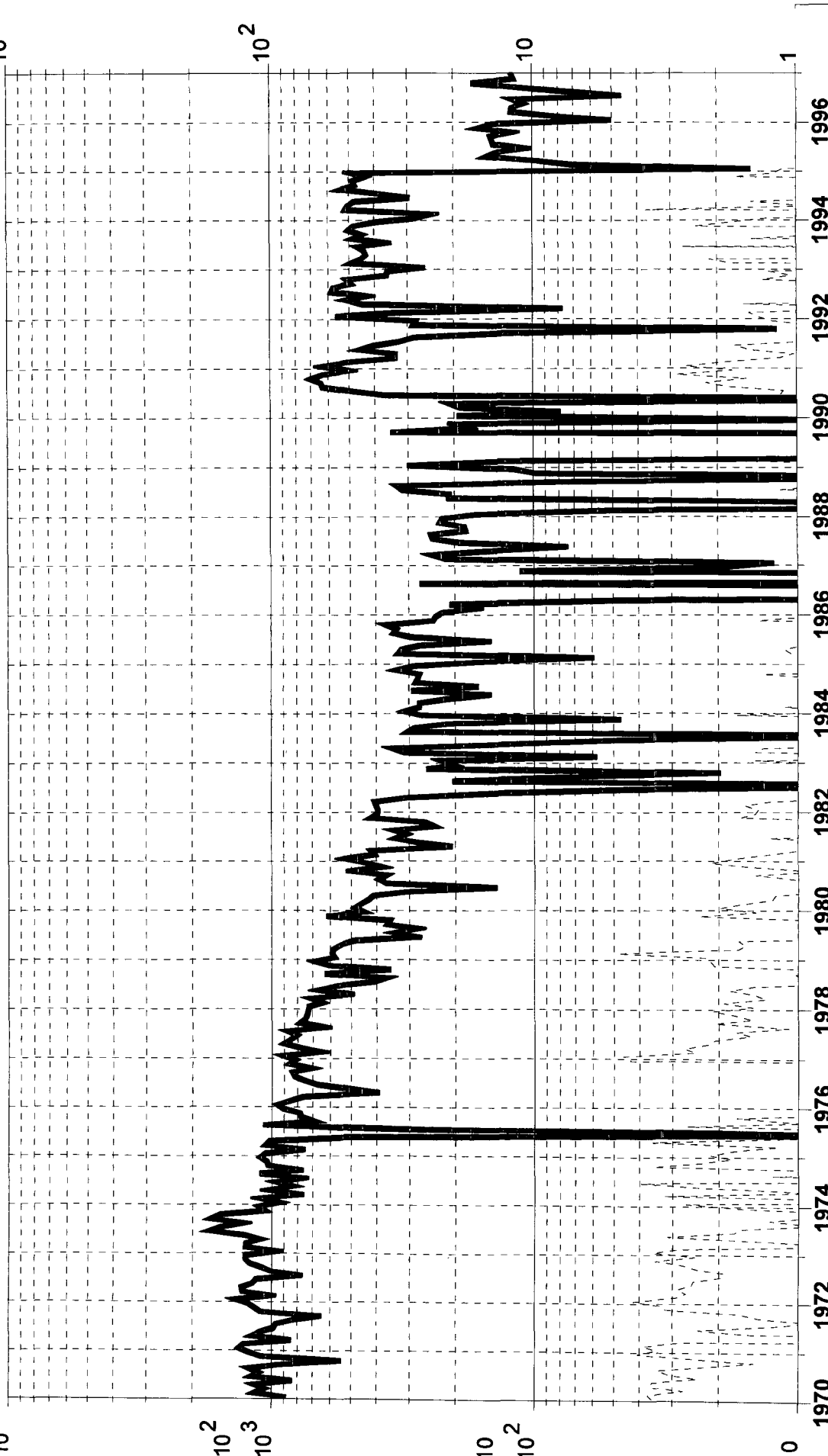
Dwights

Lease: ELLIOTT GAS COM E (1)

Retrieval Code: 251,045,30N09W34A00MV

03/05/98

10³
10⁴
10²
10³
10²
10¹
10²
10³
10⁴



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

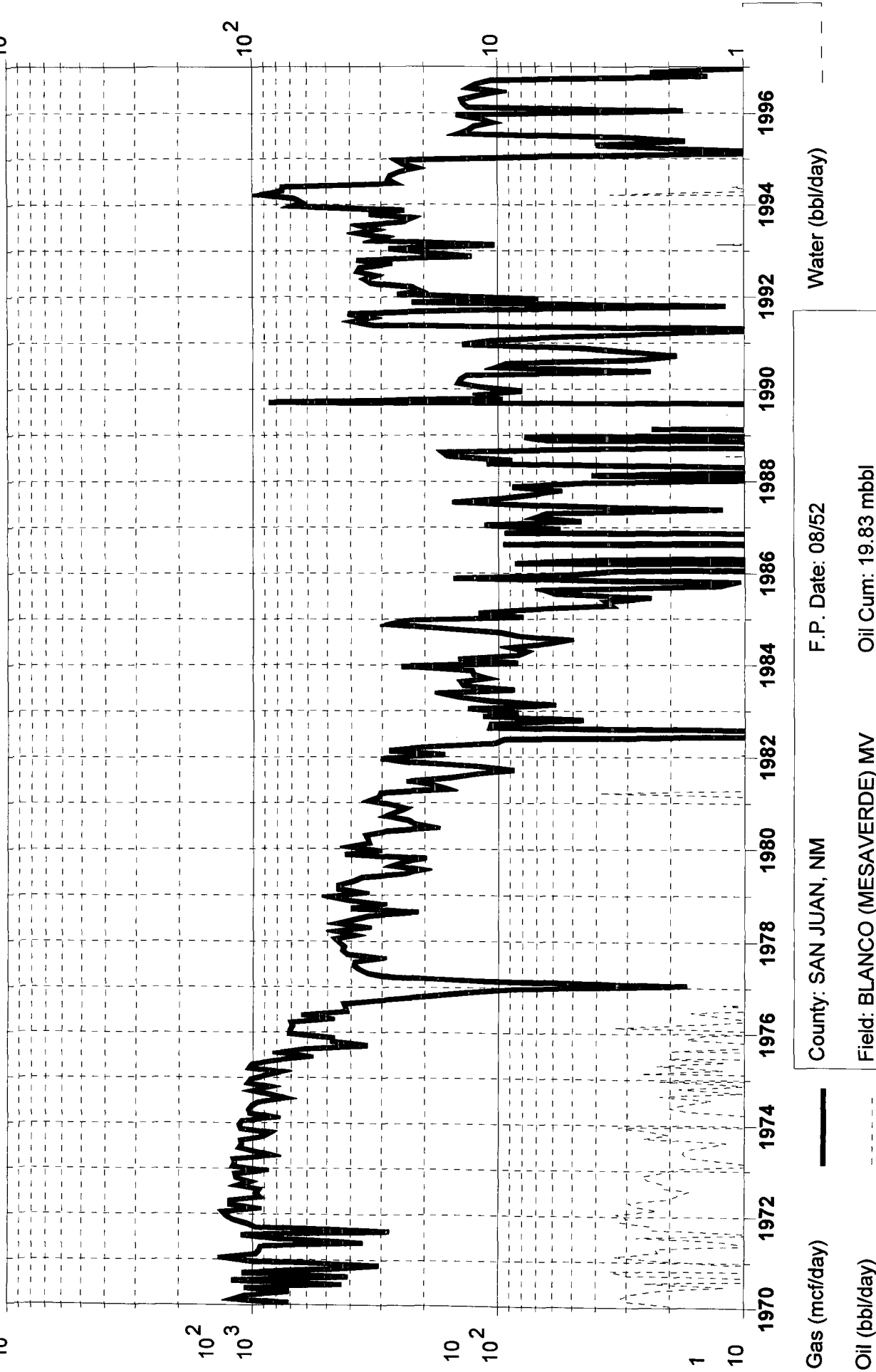
County: SAN JUAN, NM
Field: BLANCO (MESAVERDE) MV
API #: 30-045-0904000
Operator: AMOCO PRODUCTION CO
F.P. Date: 02/53
Oil Cum: 28.05 mmbbl
Gas Cum: 11.13 bcf
Location: 34A 30N 9W

$$10^3 \quad 10^4$$

Lease: E E ELLIOTT B (1)

Retrieval Code: 251,045,30N09W27K00MV

03/05/98



F.P. Date: 08/52

County: SAN JUAN, NM

Oil Cum: 19.83 mbbbl

Field: BLANCO (MESAVERDE) MV

Gas Cum: 9334 mmcf

API #: 30-045-0914300

Location: 27K 30N 9W

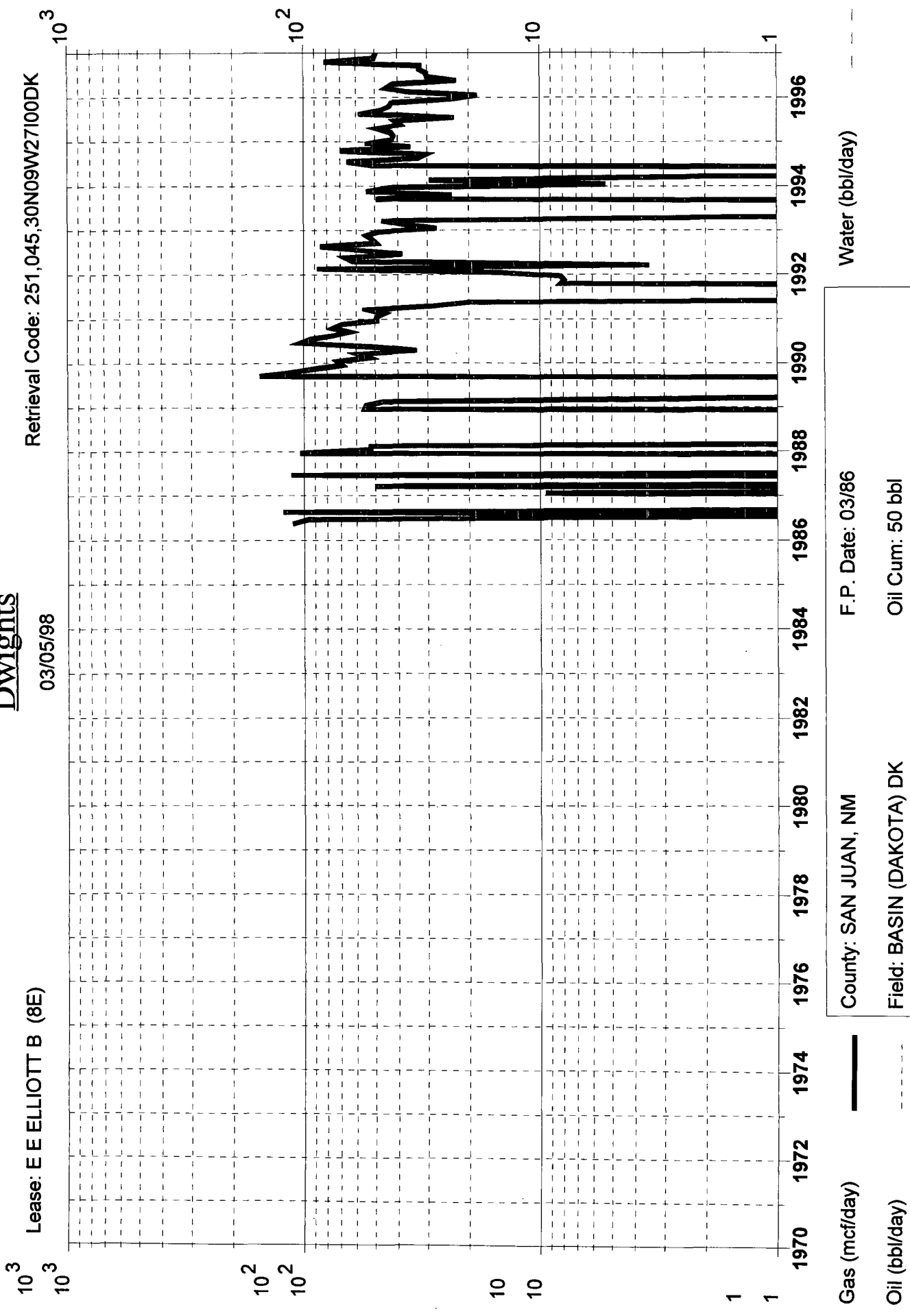
Operator: AMOCO PRODUCTION CO

Dwights

Lease: E E ELLIOTT B (8E)

Retrieval Code: 251,045,30N09W27100DK

03/05/98



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 03/86

Oil Cum: 50 bbl

Gas Cum: 148.0 mmcf

Location: 271 30N 9W

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

API #: 30-045-2629900

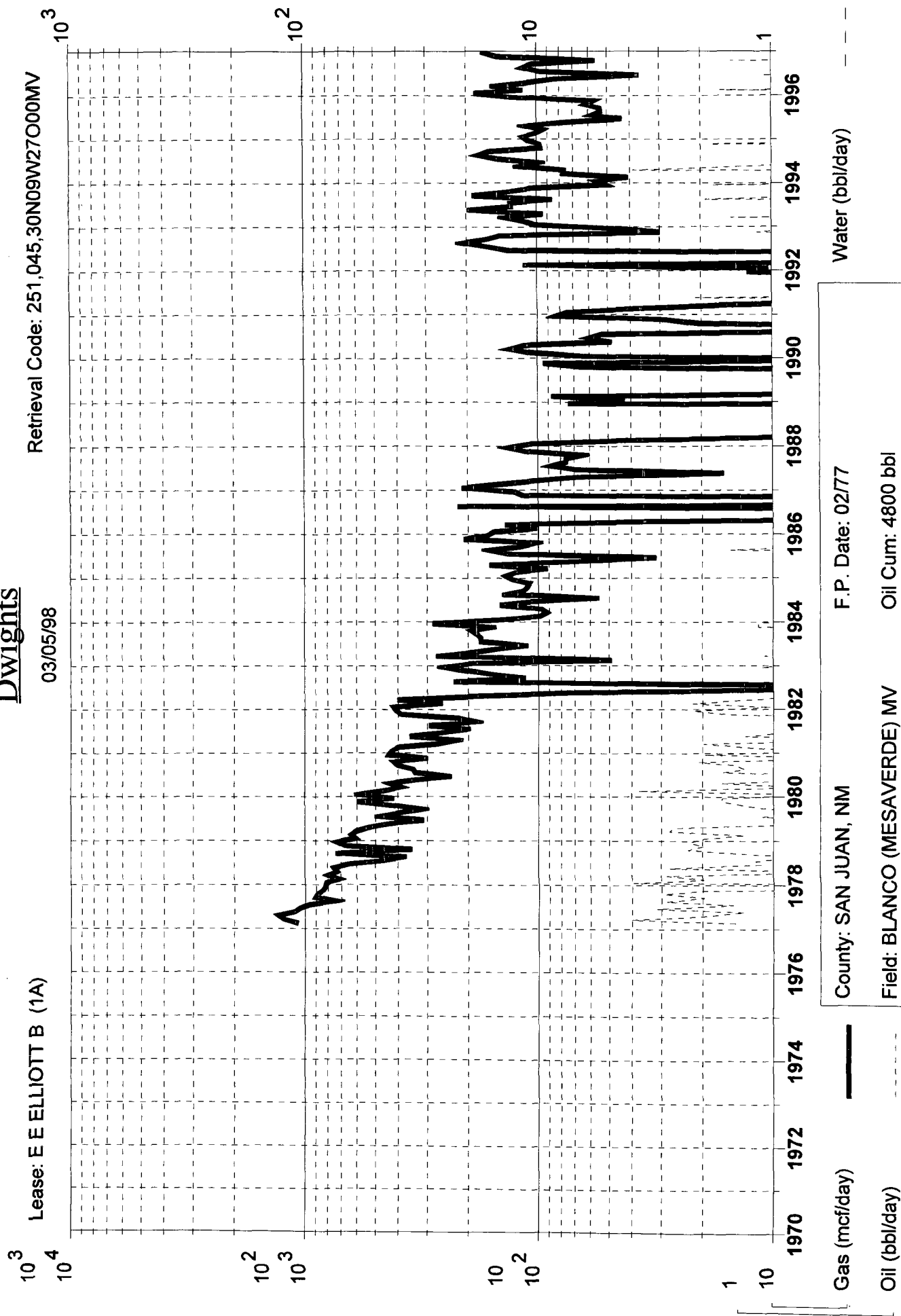
Operator: AMOCO PRODUCTION CO

Dwights

Lease: E E ELLIOTT B (1A)

Retrieval Code: 251,045,30N09W27O00MV

03/05/98



County: SAN JUAN, NM	F.P. Date: 02/77
Field: BLANCO (MESAVERDE) MV	Oil Cum: 4800 bbl
API #: 30-045-2219400	Gas Cum: 1527 mmcf
Operator: AMOCO PRODUCTION CO	Location: 27O 30N 9W