

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

OIL CONSERVATION DIVISION



ADMINISTRATIVE ORDER DHC-1095

Merit Energy Company
12222 Merit Drive, Suite 1500
Dallas, Texas 75251

Attention: Terry D. Gottberg

*Authorization to downhole commingle Basin Dakota Pool
and Blanco Mesaverde Pool production.*

RECEIVED
FEB 24 1995

OIL CONSERVATION DIVISION
DHC-1095

Dear Mr. Gottberg:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit downhole commingling in the wellbore, the production of the above mentioned pools in the following described wells:

Well Name	Number	Unit Letter	Section
Jicarilla "A"	8	E	23
Jicarilla "A"	9	C	14
Jicarilla "A"	10E	G	23
Jicarilla "A"	13E	N	13
Jicarilla "A"	22Y	K	24
Jicarilla "B"	8A	D	25

E-23-26-4

All wells located in Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

It appearing that the subject wells qualify for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject wells shall not exceed 30 barrels per day, and total water production shall not exceed 60 barrels per day.

VILLAGRA BUILDING - 408 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-5970

The maximum amount of gas which may be produced daily from the wells shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

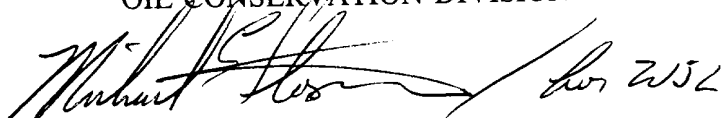
In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject wells following their completion.

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 21st day of February, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/BES

cc: Oil Conservation Division - Aztec ✓

EXPLANATION:

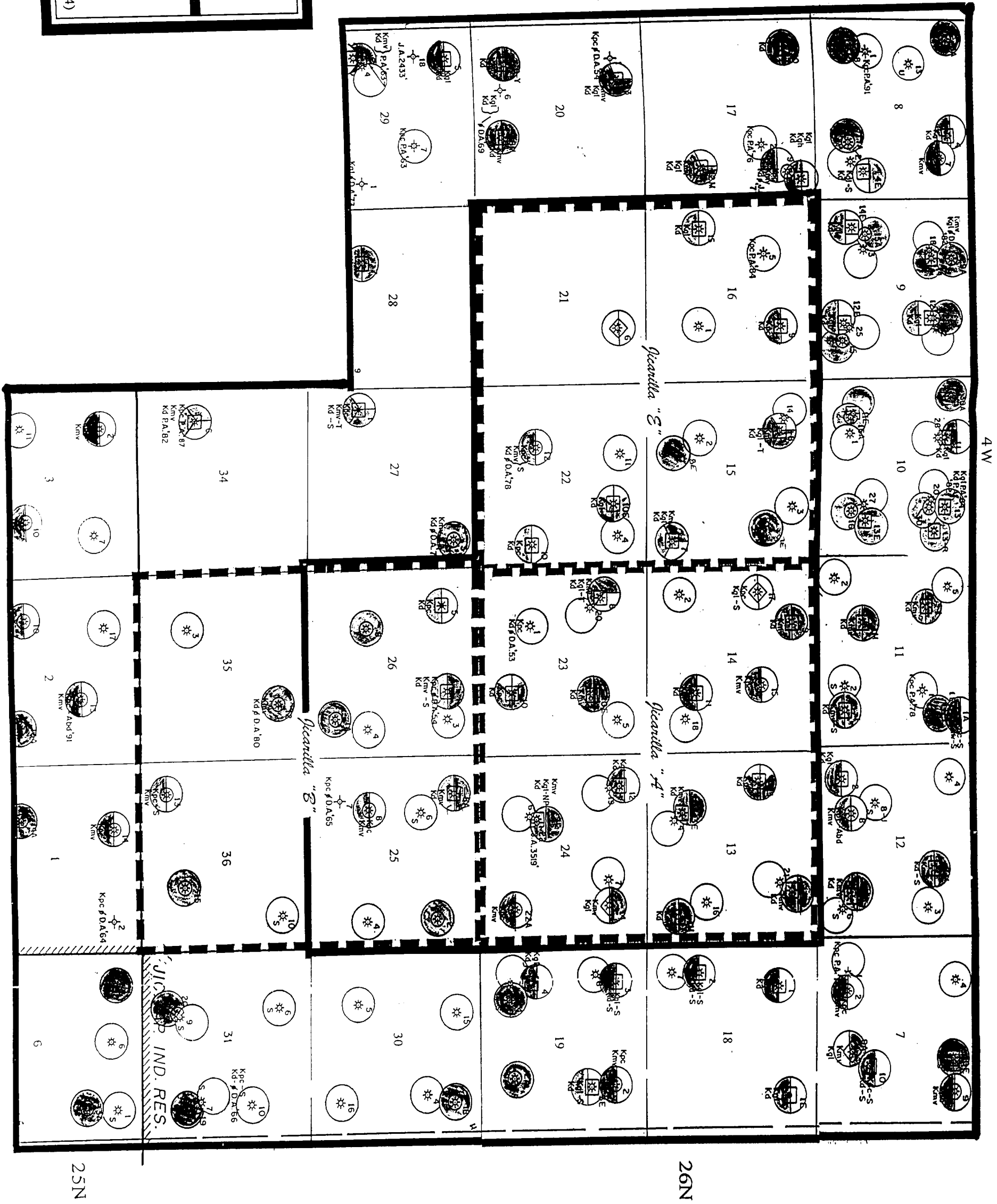
- Fruitland Coal
- Pictured Cliffs
- Chacra
- Mesaverde
- Gallup
- Dakota
- Application Area

MERIT ENERGY COMPANY
12222 MERIT DRIVE, SUITE 1500
DALLAS, TEXAS 75261

PRODUCING ZONE MAP

JICARILLA LEASE
Rio Arriba County, NM

G. A. Jenner (1/94)

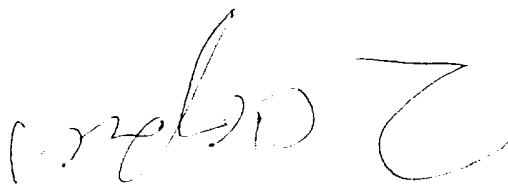


Ernie Busch

From: Ernie Busch
To: David Catanach
Subject: MERIT ENERGY CO (DHC)
Date: Tuesday, February 07, 1995 10:35AM
Priority: High

JICARILLA A #8
JICARILLA A #9
JICARILLA A #10E
JICARILLA A #13E
JICARILLA A #22Y
JICARILLA B #8A
RECOMMEND: APPROVAL

THE OTHER WELLS IN THE APPLICATION DO NOT QUALIFY
FOR ADMINISTRATIVE APPROVAL

A handwritten signature in black ink, appearing to read "Ernie Busch", with a stylized flourish at the end.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

APR 06 1994

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

Operator Name and Address: UNION OIL COMPANY OF CALIFORNIA P. O. Box 2620 CASPER, WYOMING 82602 Phone: 307/234-1563 Ext. 116		OGRID Number
		AFT Number 30 - 0
Property Code	Property Name RINCON UNIT WELL NO. 131-E	Well No. 131-E

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	27N	7W		1145'	North	1525'	West	Rio Arriba

Proposed Bottom Hole Location If/Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Basin Dakota					Proposed Pool 2 Blanco Mesaverde				

Work Type Code N	Well Type Code G/M	Cable/Rotary Rotary	Lease Type Code State	Ground Level Elevation 6644'
Multiple Yes	Proposed Depth 7700'	Formation Dakota/Mesa Verde	Contractor Unknown	Spud Date Approx. 5/15/94

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8" K-55	24#	± 350	± 250SX "B"	Surface
7 7/8"	5 1/2" K-55	17# & 15.5#	± 7700'	2 stage w/DV	Surface
			tool @ ± 5000'	1st-lead, ± 450 sx "Lite",	
			tail 125 sx Class "B",	2nd-lead, ± 750 sx	
			Lite, tail 125 sx Class "B"		

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill 12 1/4" hole to 350' w/spud mud. Run & cmt to surface 8 5/8" csg. N.U. & test BOPE. Drill 7 7/8" hole to ± 7700'-TD w/ fresh water/gel mud system. Log & if productive, run & cmt 5 1/2" csg in 2 stages w/"DV" tool @ ± 5000'. Selectively perforate the Dakota and Mesaverde formations. Fracture stimulate both zones separately as required. Test & complete w/packer and 2 3/8" tbg.

NOTE: Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Union Oil Company of California (BLM Bond # CA0048).

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <u>Jim Benson</u>		OIL CONSERVATION DIVISION	
Printed name: <u>Jim Benson</u>		Approved by:	
Title: <u>Drilling Superintendent</u>		Title:	
Date: <u>3/10/94</u>	Phone: <u>(307)234-1563</u> ext. 116	Approval Date:	Expiration Date:
		Conditions of Approval: Attached ☐	

MERIT ENERGY COMPANY

12222 Merit Drive, Suite 1500
Dallas, Texas 75251
(214) 701-8377
(214) 960-1252 Fax

January 17, 1995

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

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JAN 25 1995
OIL CON. DIV.
DIST. 3

Application to Commingle the Mesaverde and Dakota Gas Producing Zones
Sections 13 - 26, T26N-R4W,
Rio Arriba County, New Mexico.

Gentlemen:

It is proposed to downhole commingle the Mesaverde and Dakota gas zones in these sections in order to maintain economic operation and permit further economic development within the subject area. The development of resources in this area is not feasible without the reduced capital investment and operating costs realized by commingling wells.

Elimination of excess operating equipment and expense associated with dual operation will contribute to extending the producing lives and recoveries in marginal wells. In addition further development potential exists in these sections and is economically feasible if initial costs can be reduced by eliminating duplicate materials and facilities.

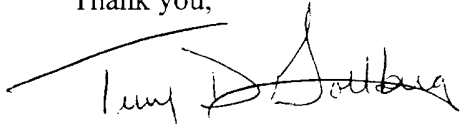
The following attachments are submitted in support of this application:

1. Exhibit A is a plat showing all Mesaverde and Dakota wells in these sections as well as the affected leases.
2. Exhibit B is a list of the most recent well tests from each Mesaverde and Dakota well in the subject area.
3. Exhibit C is a packet of current decline curves for each well.
4. Exhibit D is a list of shut-in tubing pressures for both zones taken during an extended field shut in.

5. WI, NRI and ORRI are identical for both formations in all sections
6. Upon approval allocation percentages will be determined for each well.
7. Copies of this application were sent by certified mail to each offset operator and to the Jicarilla Agency, who holds the mineral interests on this lease, as identified in Exhibit E.

If you have any questions, or require any further information please feel free to contact me at (214) 701-8377.

Thank you,

A handwritten signature in black ink, appearing to read "Terry D. Gottberg". The signature is written in a cursive, flowing style with a long horizontal stroke extending to the left.

Terry D. Gottberg
Production Engineer

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JAN 25 1995
OIL COMM. DIV.
PAGE 3

Downhole Commingle Application
Exhibit A

State	County	Reservoir	Field (Resv)	Location	Operator	Lease Name	Well No.
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	14C 26N 4W	MERIT ENERGY CORP	JICARILLA A	9
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	14C 26N 4W	MERIT ENERGY CORP	JICARILLA A	9
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	23O 26N 4W	MERIT ENERGY CORP	JICARILLA A	10
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	14J 26N 4W	MERIT ENERGY CORP	JICARILLA A	11
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	24D 26N 4W	MERIT ENERGY CORP	JICARILLA A	12
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	13E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	24A 26N 4W	MERIT ENERGY CORP	JICARILLA A	14
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	14G 26N 4W	MERIT ENERGY CORP	JICARILLA A	15
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	13N 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	13N 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	24P 26N 4W	MERIT ENERGY CORP	JICARILLA A	22A
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) DK	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	25H 26N 4W	MERIT ENERGY CORP	JICARILLA B	2
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	26D 26N 4W	MERIT ENERGY CORP	JICARILLA B	5
NM	RIO ARriba	DAKOTA	WILD HORSE (DAKOTA) DK	25K 26N 4W	MERIT ENERGY CORP	JICARILLA B	8
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	26K 26N 4W	MERIT ENERGY CORP	JICARILLA B	9
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	35B 26N 4W	MERIT ENERGY CORP	JICARILLA B	12
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	36M 26N 4W	MERIT ENERGY CORP	JICARILLA B	13
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	36J 26N 4W	MERIT ENERGY CORP	JICARILLA B	15
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	15P 26N 4W	MERIT ENERGY CORP	JICARILLA E	7
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	15P 26N 4W	MERIT ENERGY CORP	JICARILLA E	7
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	15C 26N 4W	MERIT ENERGY CORP	JICARILLA E	8
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	15C 26N 4W	MERIT ENERGY CORP	JICARILLA E	8
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	16B 26N 4W	MERIT ENERGY CORP	JICARILLA E	9
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	22I 26N 4W	MERIT ENERGY CORP	JICARILLA E	10
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	22K 26N 4W	MERIT ENERGY CORP	JICARILLA E	12
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	16L 26N 4W	MERIT ENERGY CORP	JICARILLA E	15
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E
New Wells in 1994							
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	15B 26N 4W	MERIT ENERGY CORP	JICARILLA E	7E
NM	RIO ARriba	DAKOTA	BASIN (DAKOTA) DK	15L 26N 4W	MERIT ENERGY CORP	JICARILLA E	8E
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	13E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13
NM	RIO ARriba	MESAVERDE	BLANCO (MESAVERDE) MV	23O 26N 4W	MERIT ENERGY CORP	JICARILLA A	10

Downhole Commingle Application
Exhibit B

Reservoir	Field (Resv)	Location	Operator	Lease Name	Well No.	Status	1/12/95 Production	
							MCFD	BOPD
DAKOTA	BASIN (DAKOTA) DK	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8	ACT	51	
	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8	ACT	113	0.76
MESAVERDE	BASIN (DAKOTA) DK	14C 26N 4W	MERIT ENERGY CORP	JICARILLA A	9	ACT		
DAKOTA	BLANCO (MESAVERDE) MV	14C 26N 4W	MERIT ENERGY CORP	JICARILLA A	9	ACT		
MESAVERDE	BASIN (DAKOTA) DK	23O 26N 4W	MERIT ENERGY CORP	JICARILLA A	10	ACT		
DAKOTA	BASIN (DAKOTA) DK	14J 26N 4W	MERIT ENERGY CORP	JICARILLA A	11	ACT	167	0.8
DAKOTA	BASIN (DAKOTA) DK	24D 26N 4W	MERIT ENERGY CORP	JICARILLA A	12	ACT	69	1
DAKOTA	BASIN (DAKOTA) DK	13E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13	ACT		
MESAVERDE	BLANCO (MESAVERDE) MV	24A 26N 4W	MERIT ENERGY CORP	JICARILLA A	14	ACT	37	
MESAVERDE	BLANCO (MESAVERDE) MV	14G 26N 4W	MERIT ENERGY CORP	JICARILLA A	15	ACT	70	
DAKOTA	BASIN (DAKOTA) DK	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E	ACT	9	
MESAVERDE	BLANCO (MESAVERDE) MV	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E	ACT	166	
DAKOTA	BASIN (DAKOTA) DK	13N 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E	ACT	230	0.2
MESAVERDE	BLANCO (MESAVERDE) MV	24P 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E	ACT	85	0.5
MESAVERDE	BLANCO (MESAVERDE) MV	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22A	ACT	28	
DAKOTA	BLANCO (MESAVERDE) MV	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y	ACT	139	0.5
MESAVERDE	BLANCO (MESAVERDE) MV	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y	ACT	64	0.75
MESAVERDE	BLANCO (MESAVERDE) MV	25H 26N 4W	MERIT ENERGY CORP	JICARILLA B	2	ACT	59	
MESAVERDE	WILD HORSE (DAKOTA) DK	26D 26N 4W	MERIT ENERGY CORP	JICARILLA B	5	ACT	101	3
DAKOTA	BLANCO (MESAVERDE) MV	25K 26N 4W	MERIT ENERGY CORP	JICARILLA B	8	ACT	18	
MESAVERDE	BLANCO (MESAVERDE) MV	26K 26N 4W	MERIT ENERGY CORP	JICARILLA B	9	ACT	48	
MESAVERDE	BLANCO (MESAVERDE) MV	35B 26N 4W	MERIT ENERGY CORP	JICARILLA B	12	ACT	72	
MESAVERDE	BLANCO (MESAVERDE) MV	36M 26N 4W	MERIT ENERGY CORP	JICARILLA B	13	ACT	70	0.25
MESAVERDE	BLANCO (MESAVERDE) MV	36J 26N 4W	MERIT ENERGY CORP	JICARILLA B	15	ACT	39	
DAKOTA	BASIN (DAKOTA) DK	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A	ACT	56	0.47
MESAVERDE	BLANCO (MESAVERDE) MV	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A	ACT	83	
DAKOTA	BASIN (DAKOTA) DK	15P 26N 4W	MERIT ENERGY CORP	JICARILLA E	7	ACT	82	0.75
MESAVERDE	BLANCO (MESAVERDE) MV	15P 26N 4W	MERIT ENERGY CORP	JICARILLA E	7	ACT	45	
DAKOTA	BASIN (DAKOTA) DK	15C 26N 4W	MERIT ENERGY CORP	JICARILLA E	8	INA		
MESAVERDE	BLANCO (MESAVERDE) MV	16B 26N 4W	MERIT ENERGY CORP	JICARILLA E	8	ACT	57	
DAKOTA	BASIN (DAKOTA) DK	22I 26N 4W	MERIT ENERGY CORP	JICARILLA E	9	ACT	22	0.4
MESAVERDE	BLANCO (MESAVERDE) MV	22K 26N 4W	MERIT ENERGY CORP	JICARILLA E	10	ACT	125	2.75
DAKOTA	BLANCO (MESAVERDE) MV	16L 26N 4W	MERIT ENERGY CORP	JICARILLA E	12	ACT	18	
DAKOTA	BASIN (DAKOTA) DK	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	15	ACT	73	
DAKOTA	BASIN (DAKOTA) DK	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E	ACT		
New Wells								
DAKOTA	BASIN (DAKOTA) DK	15B 26N 4W	MERIT ENERGY CORP	JICARILLA E	7E	ACT	492	8.82
DAKOTA	BASIN (DAKOTA) DK	15B 26N 4W	MERIT ENERGY CORP	JICARILLA E	8E	ACT	293	5.24
MESAVERDE	BLANCO (MESAVERDE) MV	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E	ACT	317	2.38
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13	ACT	240	0.71
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	10	ACT	45	0.4

Downhole Commingle Application

Exhibit C
Current Decline Curves

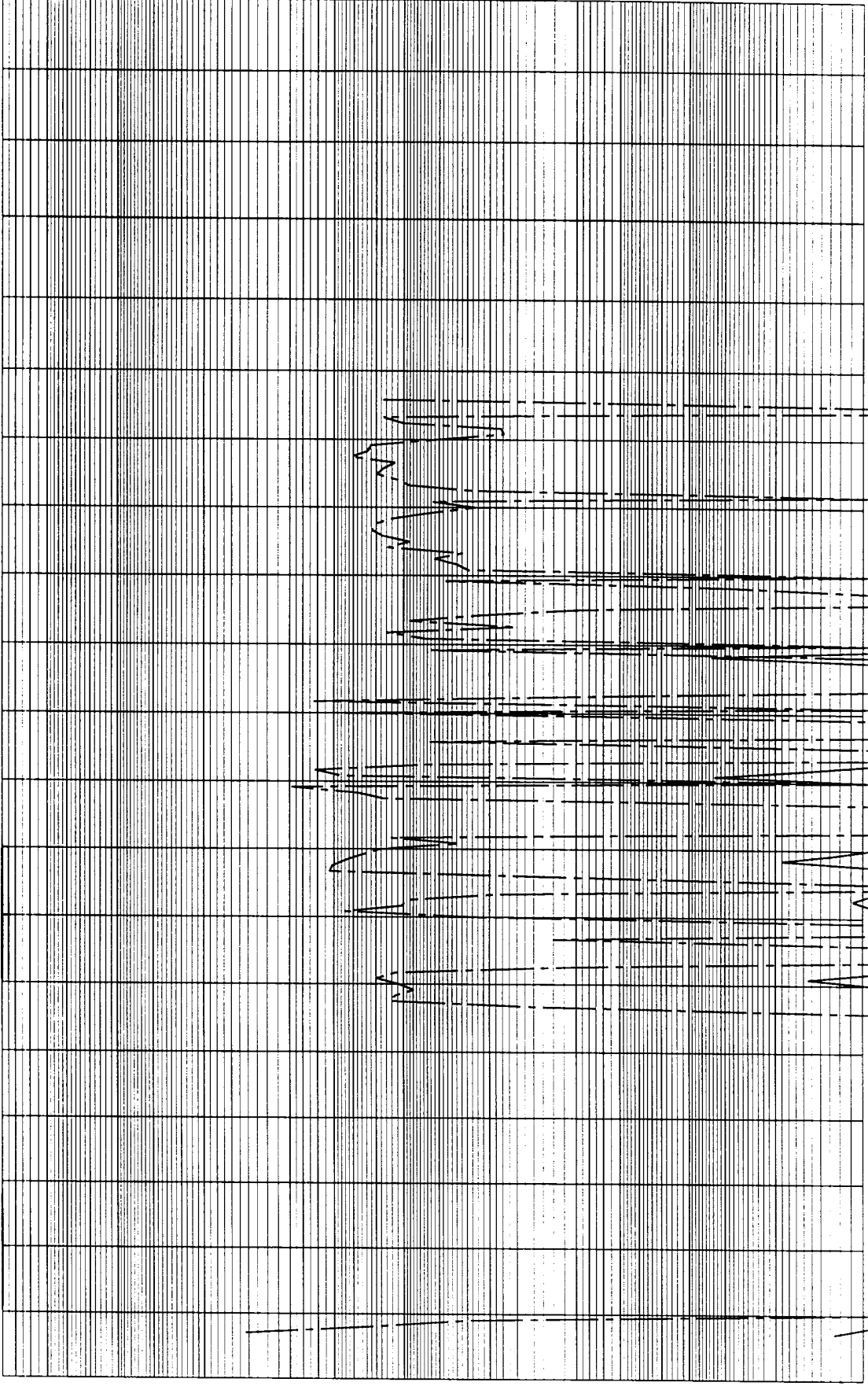
1000 Lease: JICARILLA A

000008

Dwights

Retrieval Code: 251. 039. 26N04W23E00DK

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71-
Annual
Data

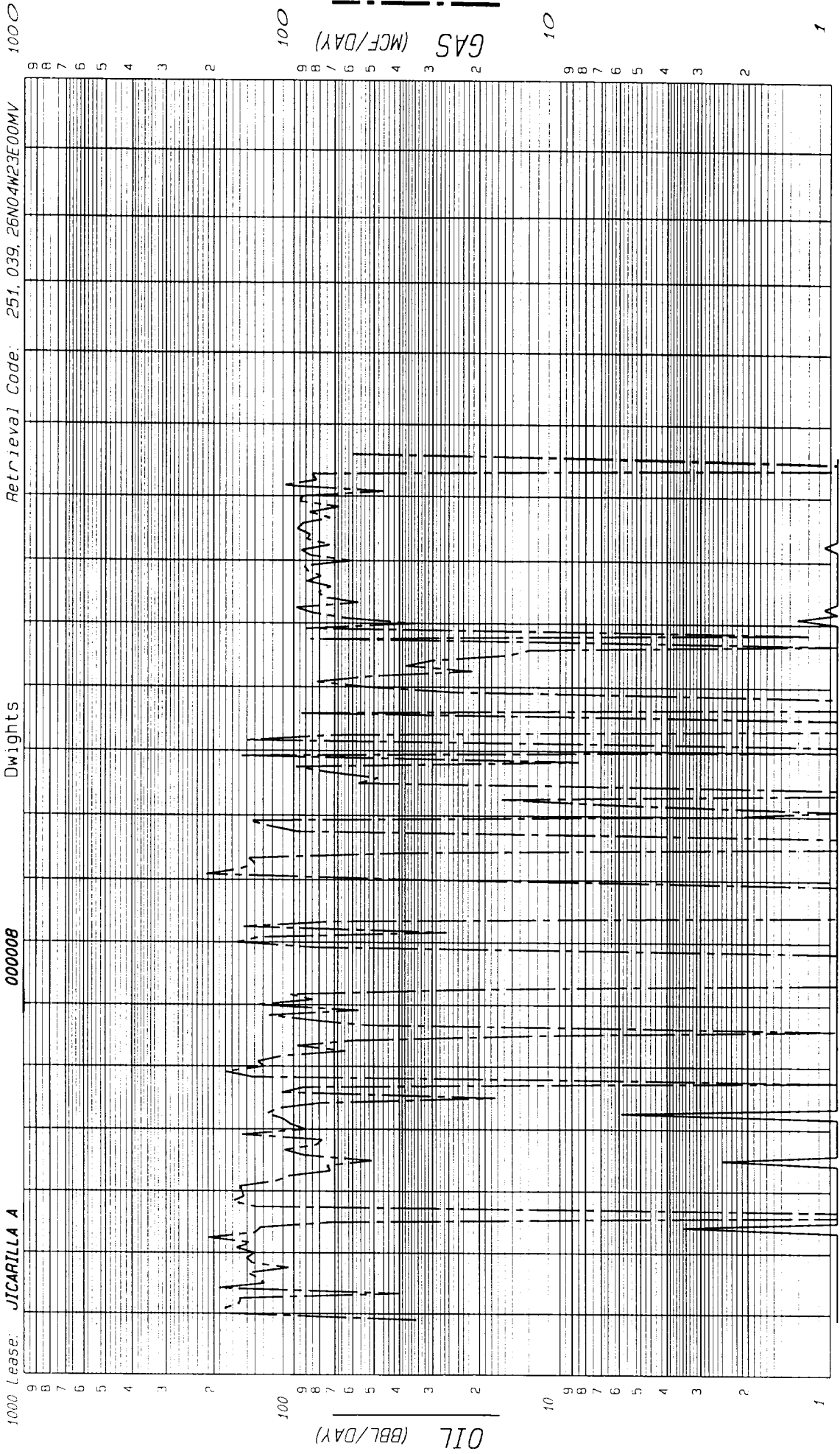
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 18845 Gas Cum: 1198105
Location: 23E 26N 4W

State: NM

F.P. Date 11-87

Date: 01-16-95



71-
Annual
Data

County: RIO ARriba
Field: BLANCO (ME-SAVEHDE) MV
Reservoir: MESAVEHDE
Operator: MERIT ENERGY CORP
Oil Cum: 1073 Gas Cum: 446321
Location: 23E 26N 4W

State: NM

F.P. Date 10-79

Date: 01-16-95

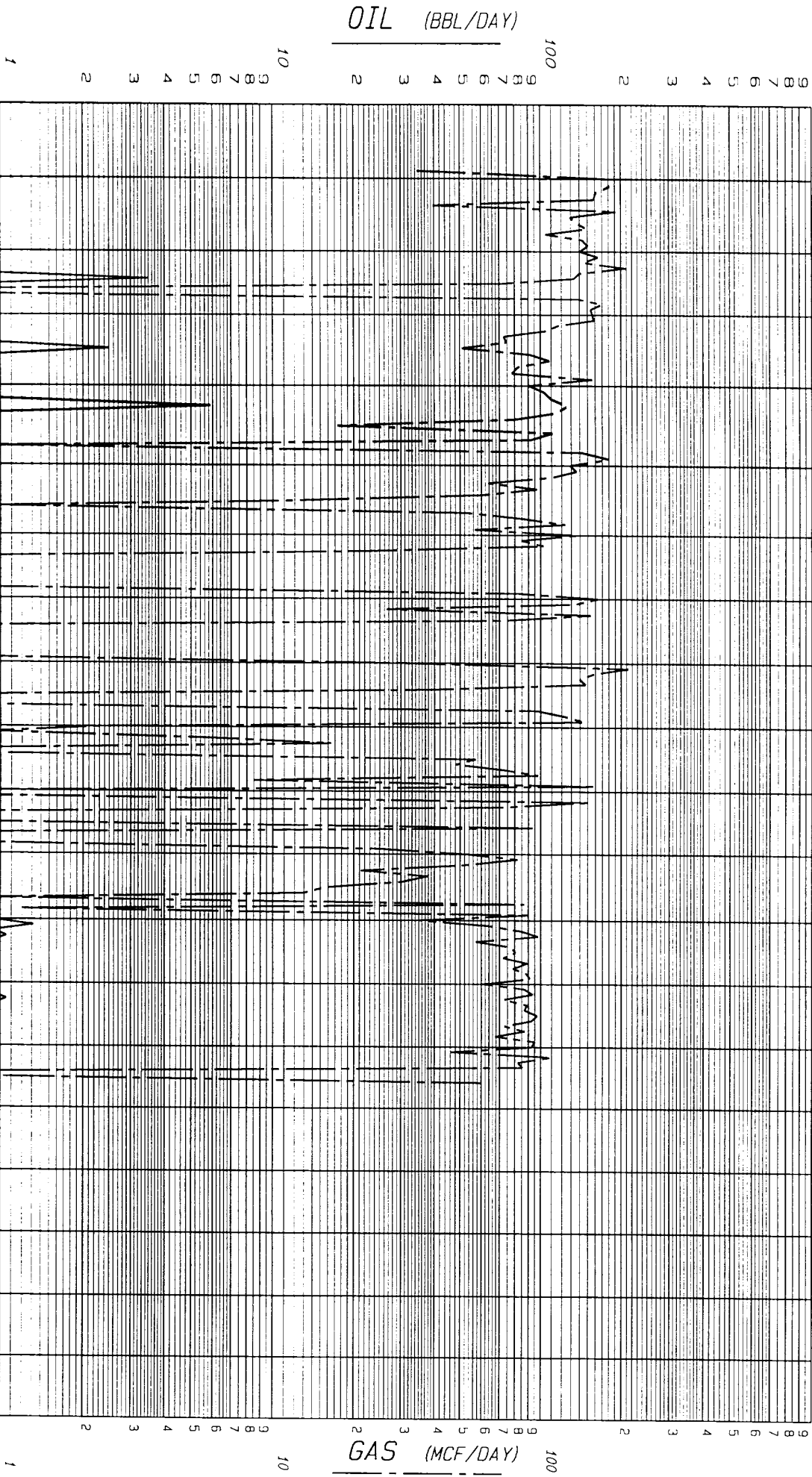
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000008

Dwights

Retrieval Code: 251, 039, 26N04M23E00M

1000



Annual
Data

71 - 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

F.P. Date 10-79

County: RIO ARriba
Field: BLANCO (MESAVENDE) MV
Reservoir: MESAVENDE
Operator: MERIT ENERGY CORP
Oil Cum: 1073
Location: 23E 26N 4W
Gas Cum: 446321
State: NM

Date: 01-16-95

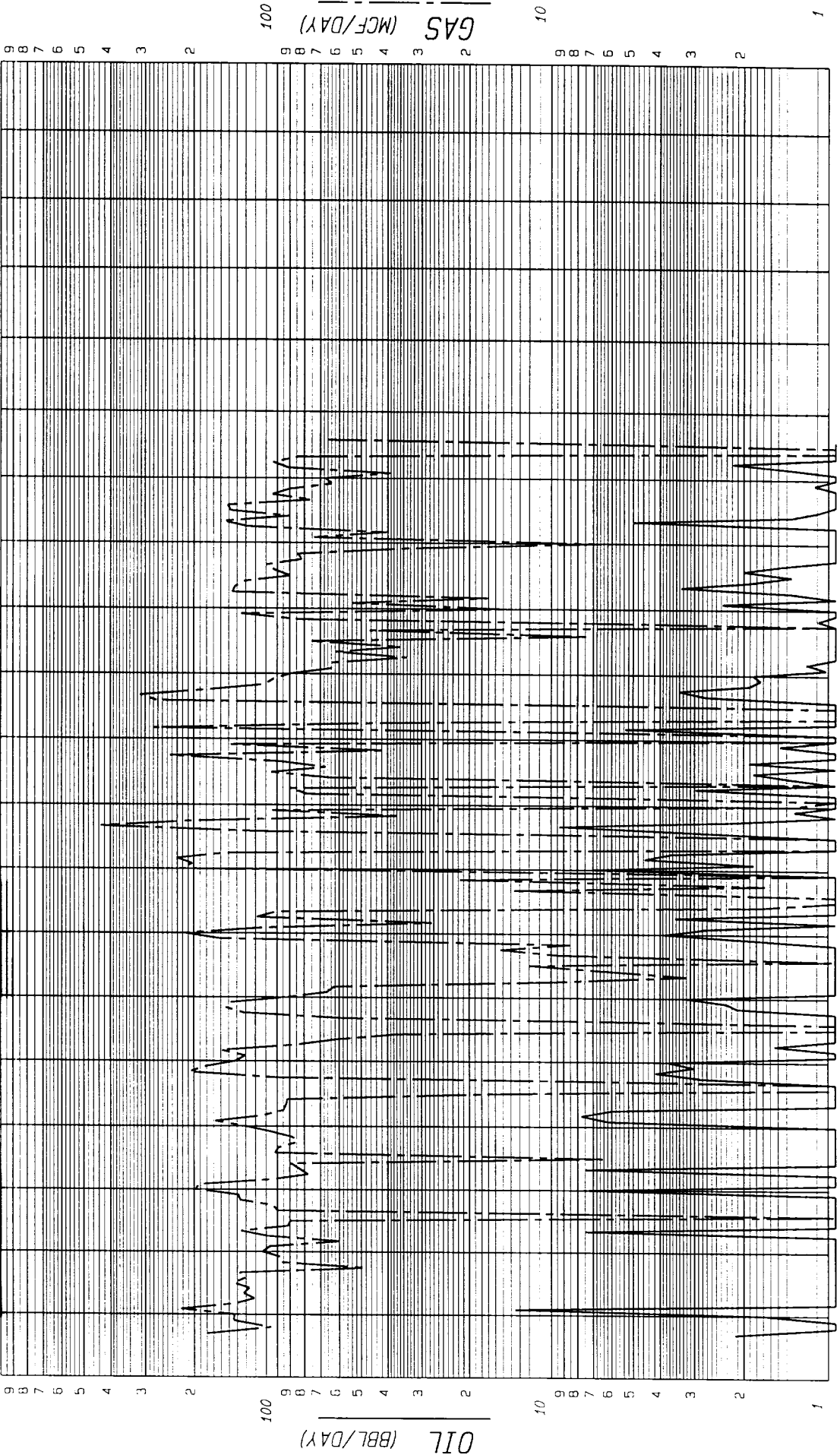
1000 Lease: JICARILLA A

000009

Dwights

Retrieval Code: 251, 039, 26N04W14C00DK

1000



71-
Annual
Data

County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 27159 Gas Cum: 1517009
Location: 14C 26N 4W

State: NM

F.P. Date 10-68

Date: 01-16-95

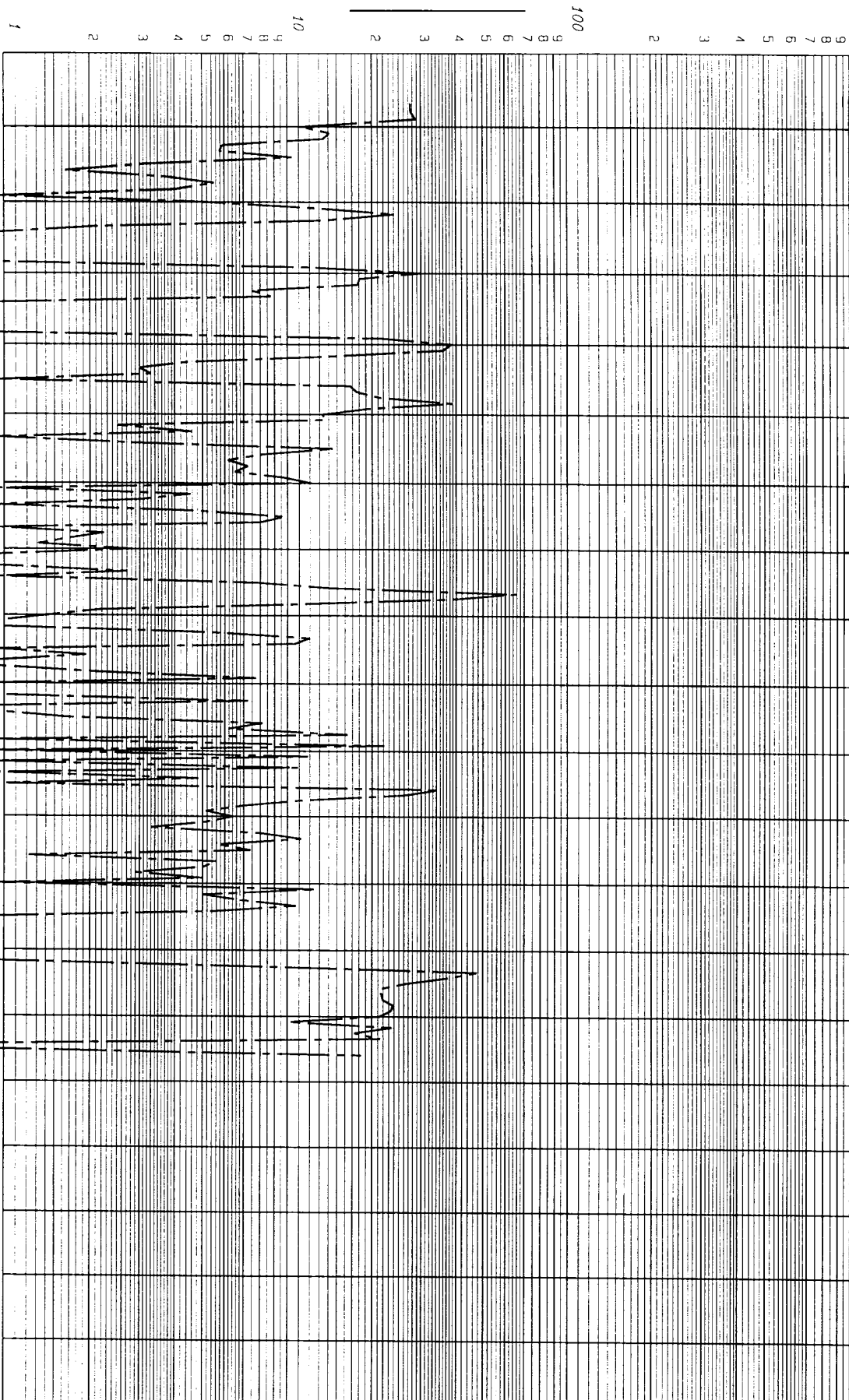
1000 Lease: JICARILLA A

000009

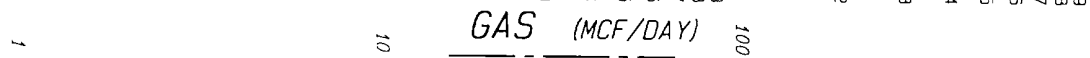
Dwights

Retrieval Code: 251, 039, 26N04M14C00MV

OIL (BBL/DAY)



GAS (MCF/DAY)

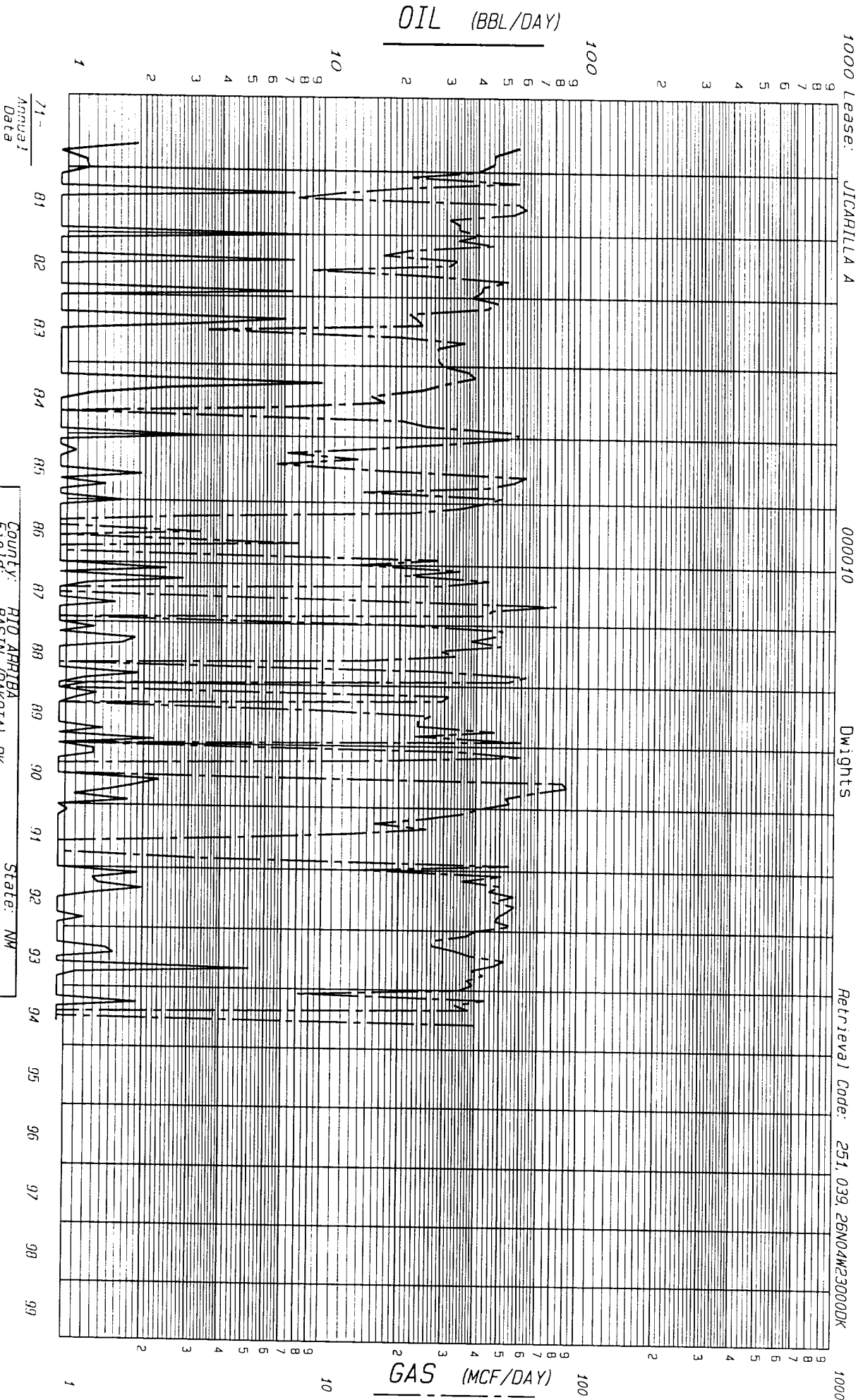


Annual
Data

F.P. Date 11-68

County: HTO ARHIBA State: NM
Field: BLANCO (MESAVEROE) MV
Reservoir: MESAVEROE
Operator: MERRIT ENERGY CORP
Oil Cum: 383 Gas Cum: 241809
Location: 14C 26N 4W

Date: 01-16-95

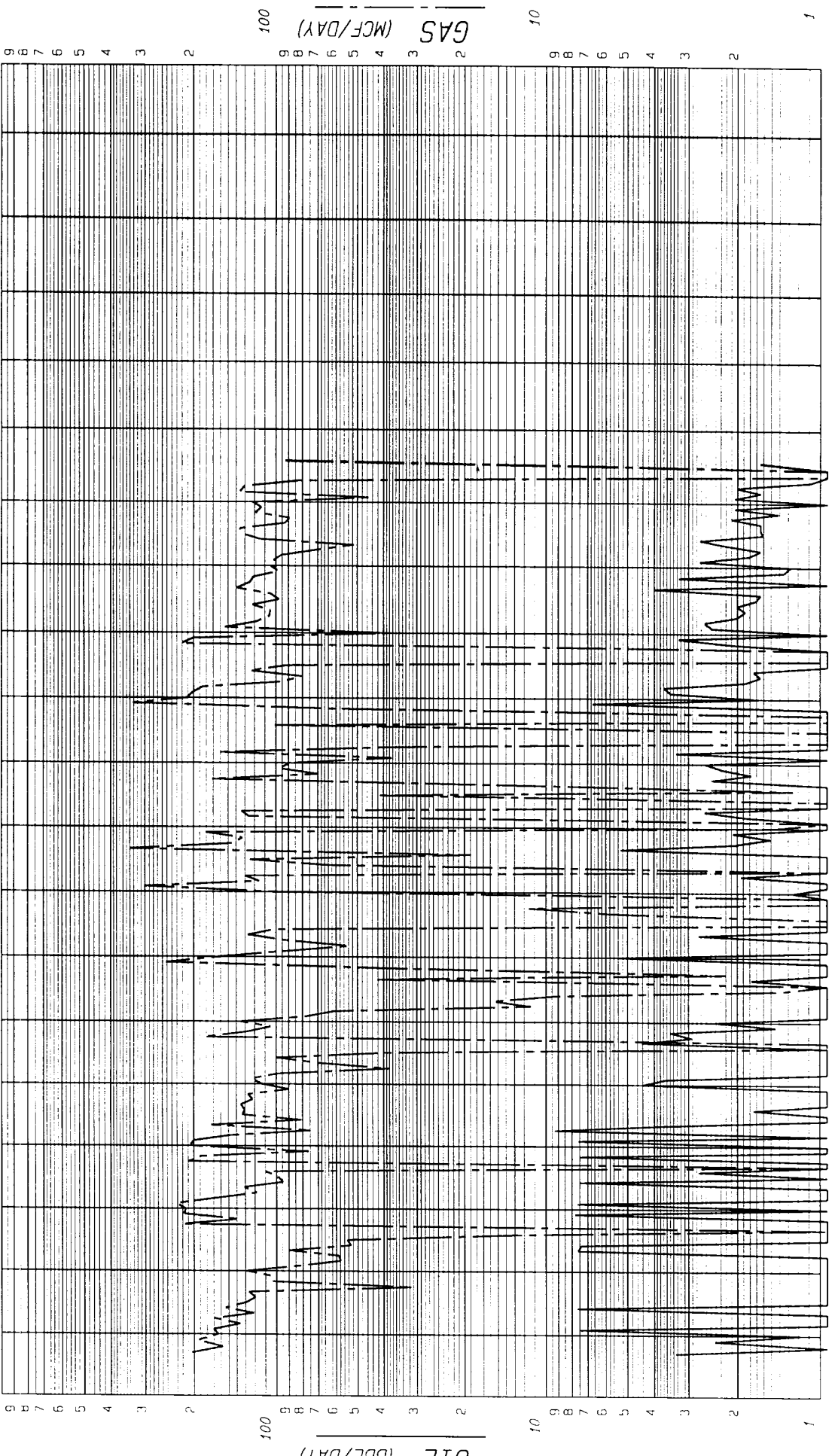


F. P. Date 11-68

County: HTO AHH1BA State: NM
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 17025 Gas Cum: 520275
Location: 230 26N 4W

Date: 01-16-95

1000 Lease: JICARILLA A 000011 Dwights Retrieval Code: 251. 039, 26N04W14J00DK 1000

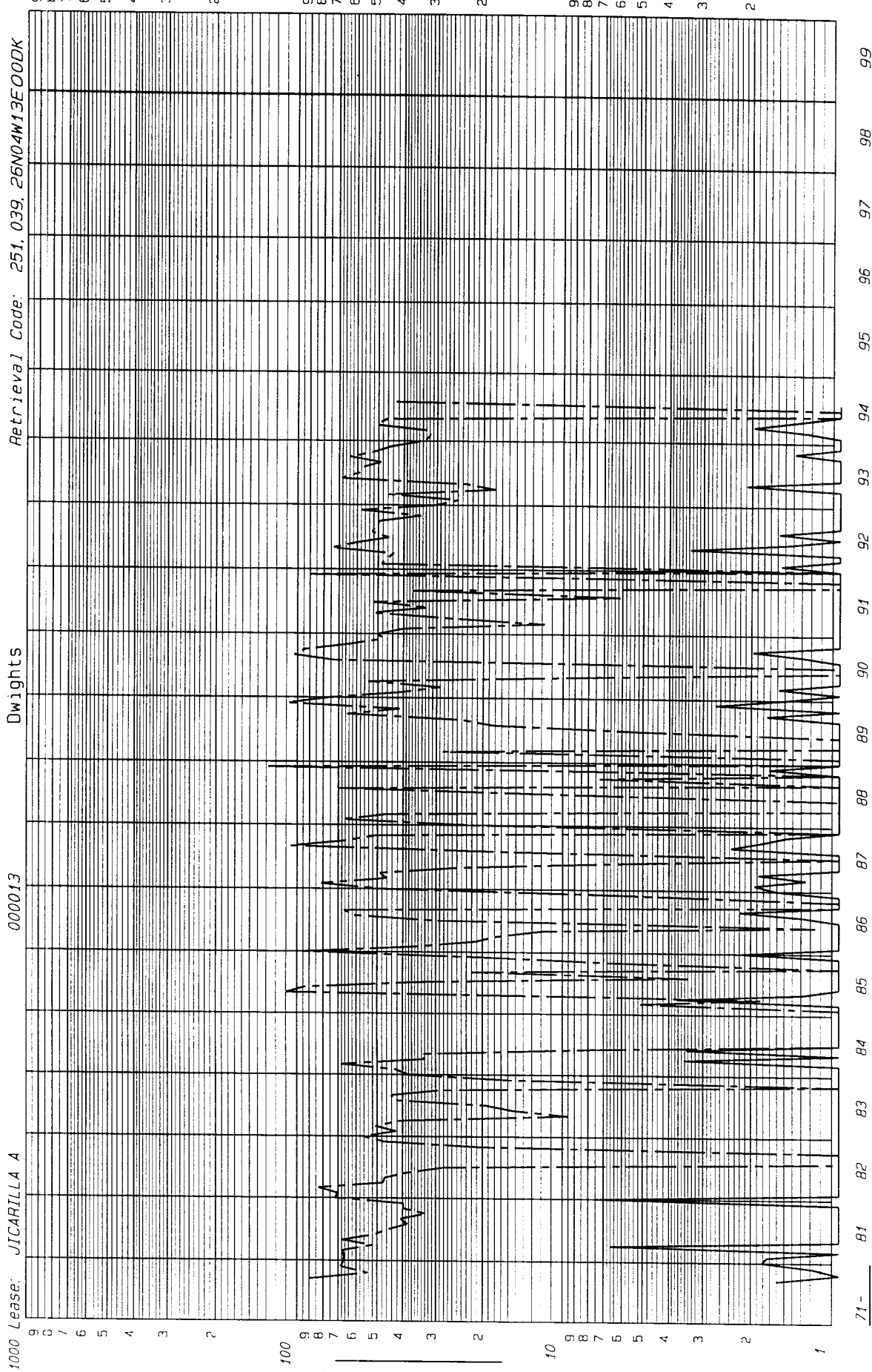


County: RTO ARriba State: NM
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 31879 Gas Cum: 1532726
Location: 14J 26N 4W

Date: 01-16-95

F.P. Date 12-68

1000 Lease: JICARILLA A 000013 Retrieval Code: 251, 039, 26N04W13E00DK 1000



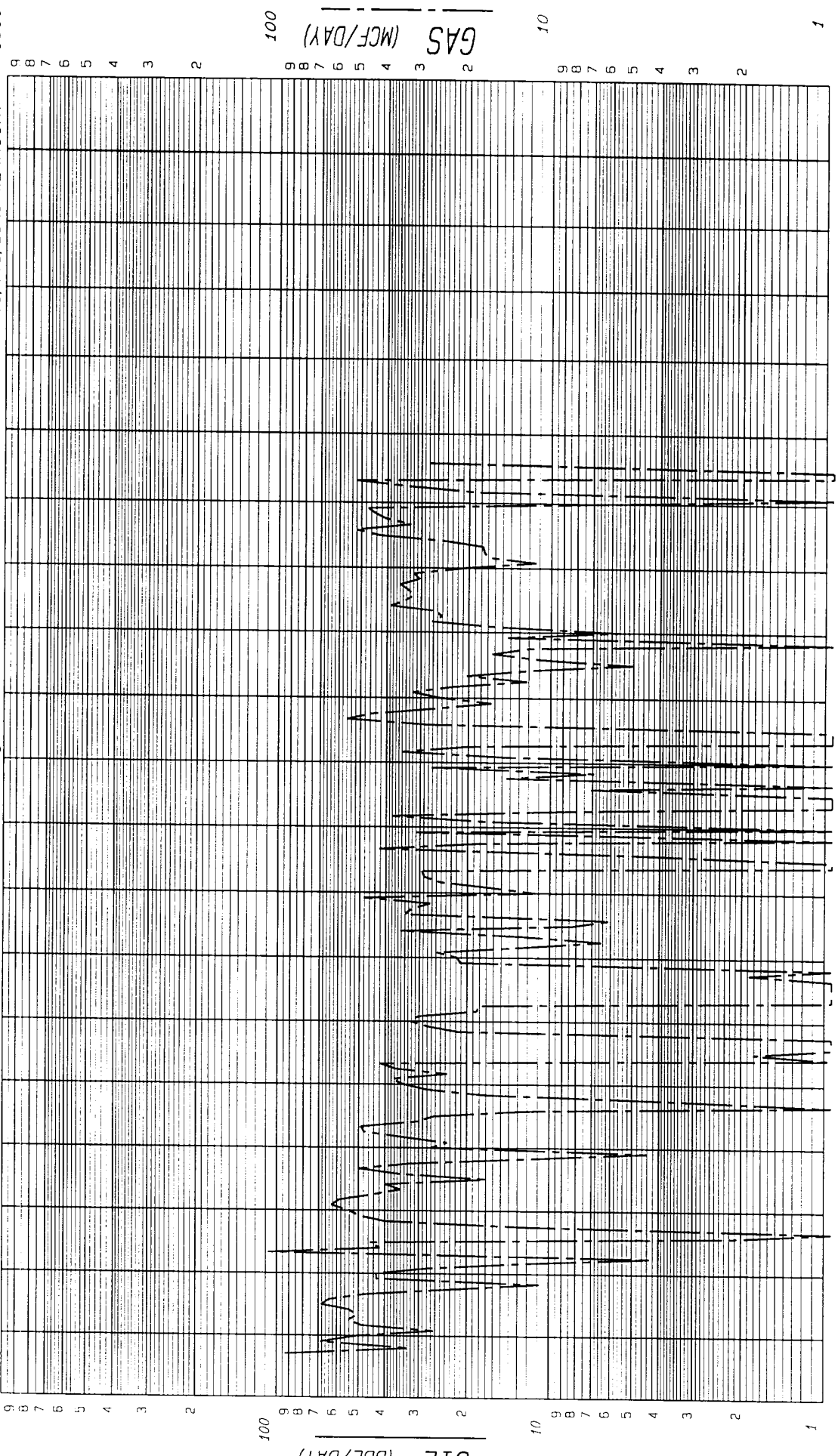
County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 11516 Gas Cum: 608867
Location: 13E 26N 4W

State: NM

F.P. Date 12-71

Date: 01-16-95

1000 Lease: JICARILLA A 000014 Retrieval Code: 251, 039, 26N04W24A00MV 1000



71 - Annual Data 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

County: RIO ARriba
Field: BLANCO (MESAVEROE) MV
Reservoir: MESAVEROE
Operator: MERIT ENERGY CORP
Oil Cum: 0 Gas Cum: 393653
Location: 24A 26N 4W
State: NM

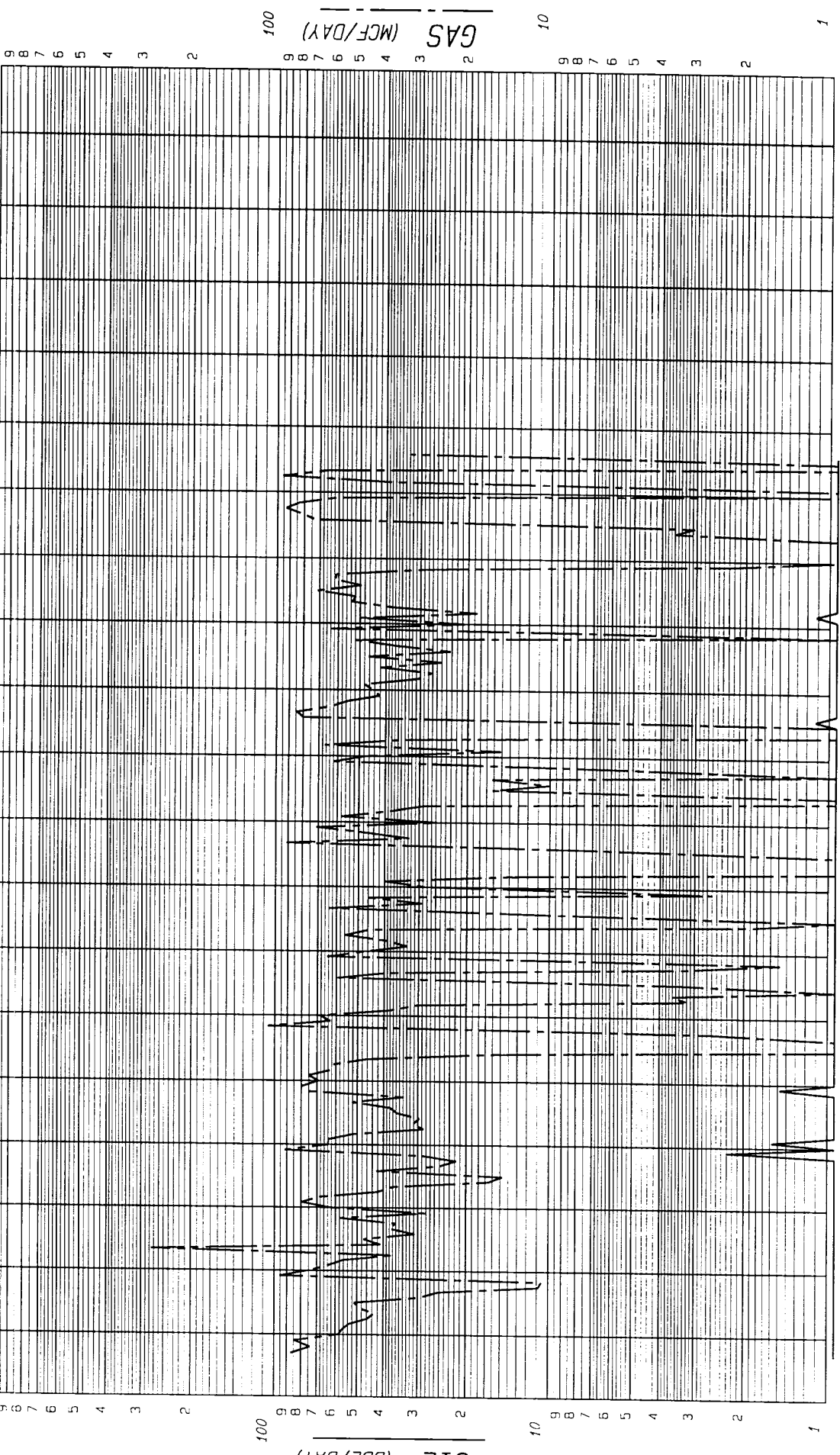
F.P. Date 12-73

Date: 01-16-95

1000 Lease: JICARILLA A Retrieval Code: 251, 039, 26N04W14G00MV 1000

Dwights

000015



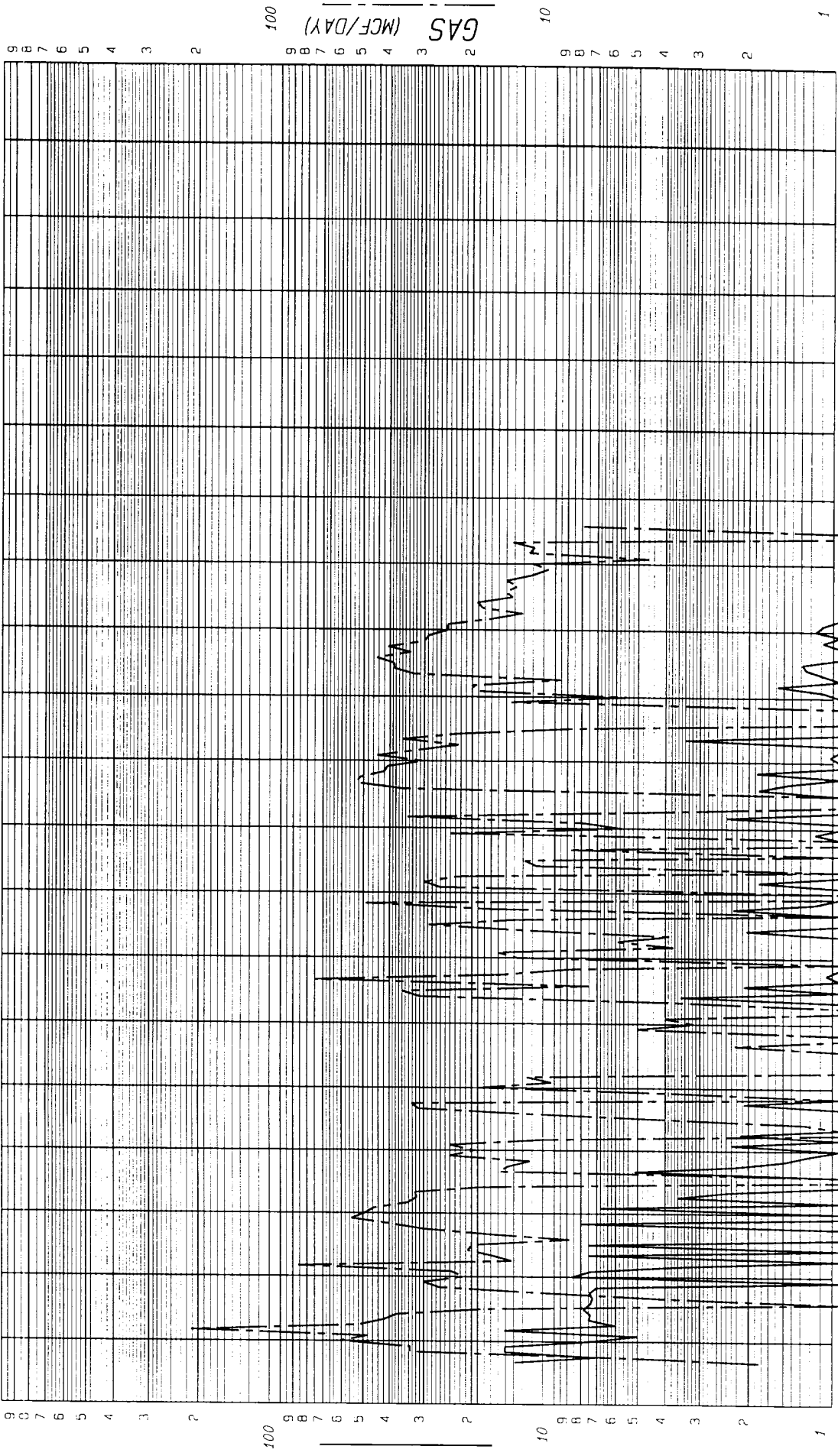
71- Annual Data 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

County: RIO ARriba
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: MERIT ENERGY CORP
Oil Cum: 82, 146, 26N
Gas Cum: 474031
Location: 4W
State: NM

F. P. Date 01-74

Date: 01-16-95

1000 Lease: JICARILLA A 00010E Retrieval Code: 251.039, 26N04W23G00DK 1000



COUNTY: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MHI ENERGY CORP
Oil Cum: 800.3 Gas Cum: 915/8
Location: 236 26N 4W

State: NM

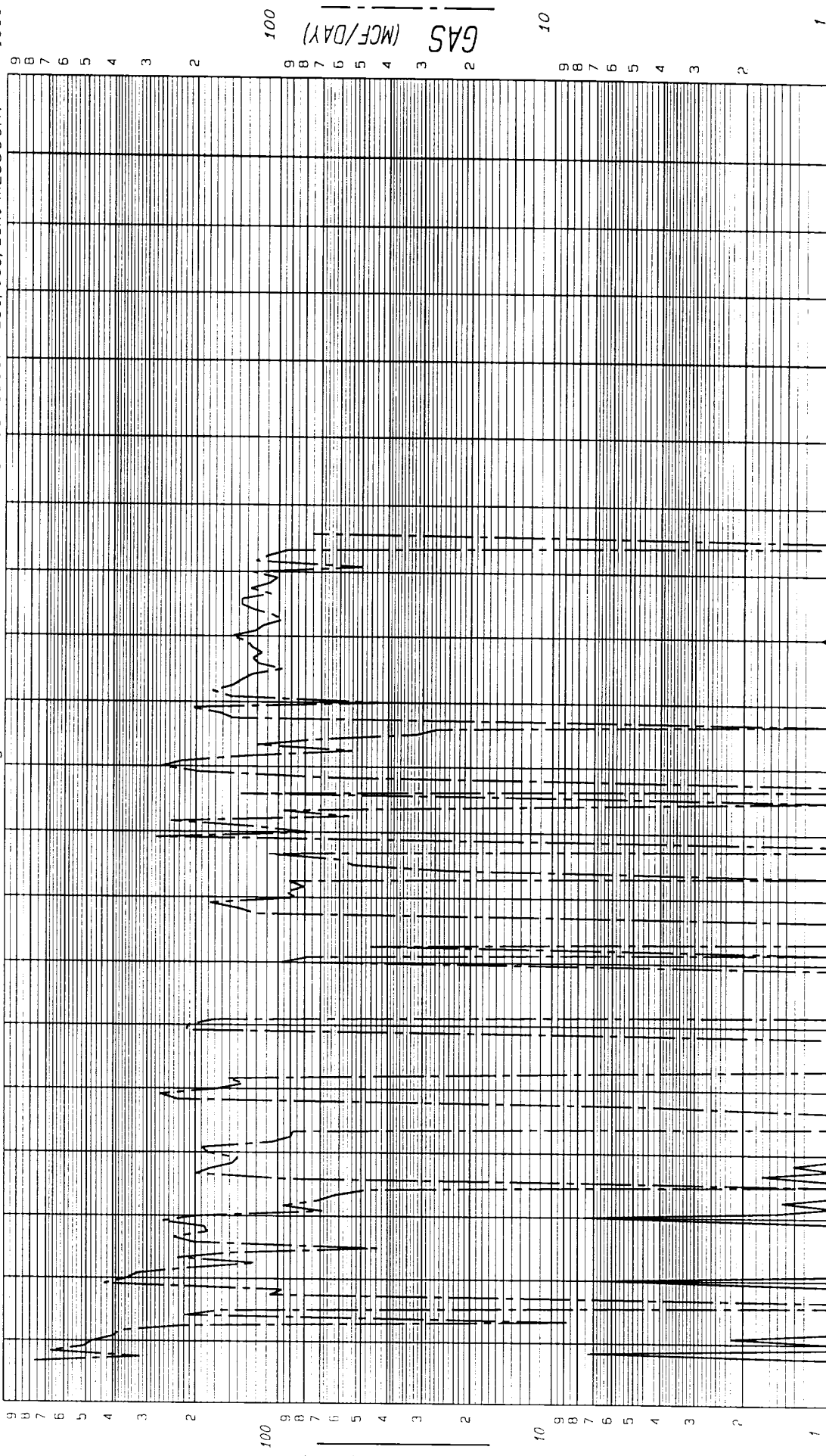
F. P. Date 08 81

Date: 01-16-95

1000 Lease: JICARILLA A Retrieval Code: 251, 039, 26N04W23G00MV 1000

Dwights

00010E



County: RIO ARriba
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: MERIT ENERGY CORP
Oil Cum: 1208
Location: 23G 26N 4W
State: NM

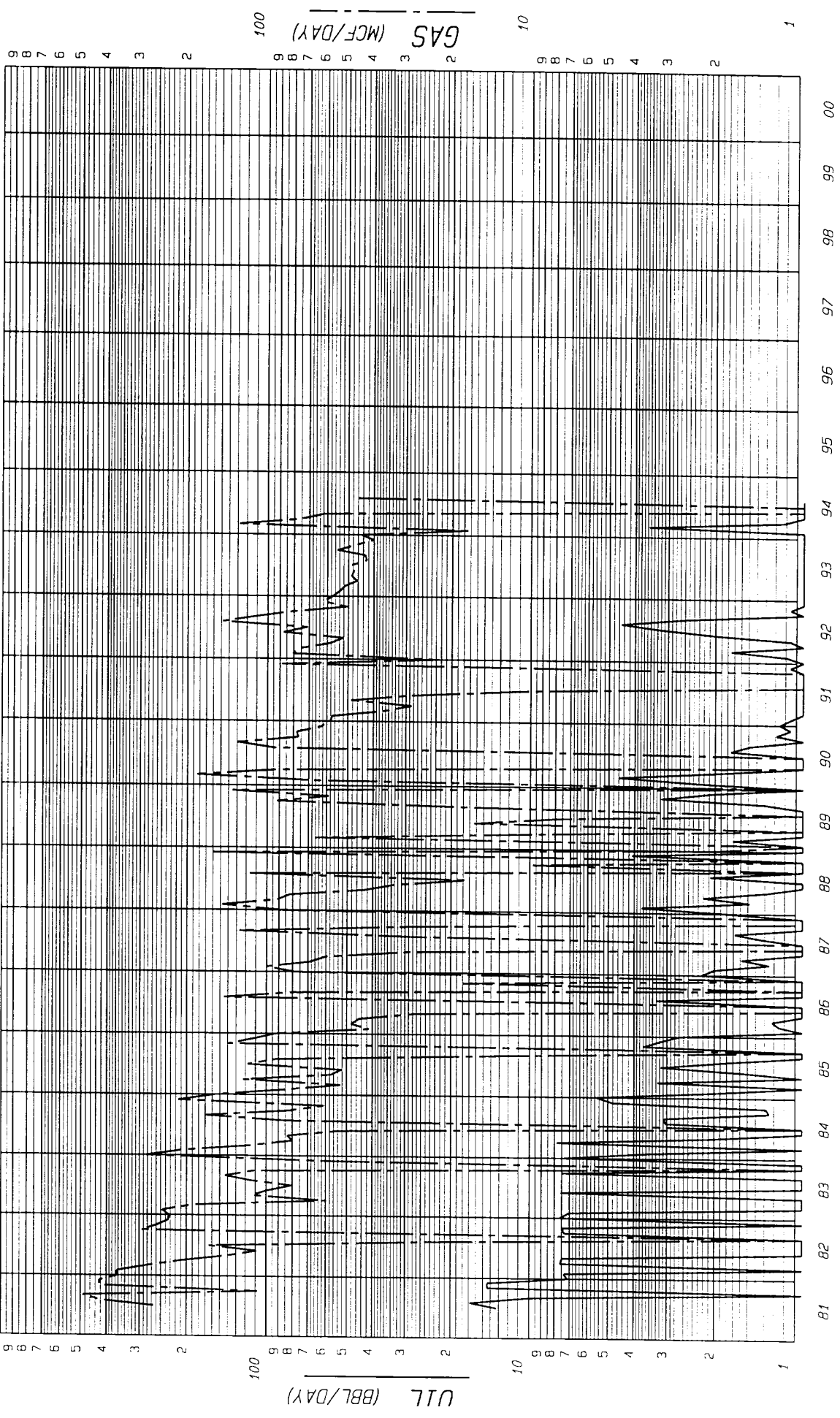
F.P. Date 08-81

Date: 01-16-95

1000 Lease: JICARILLA A Retrieval Code: 251, 039, 26N04W13N00DK

Dwights

00013E

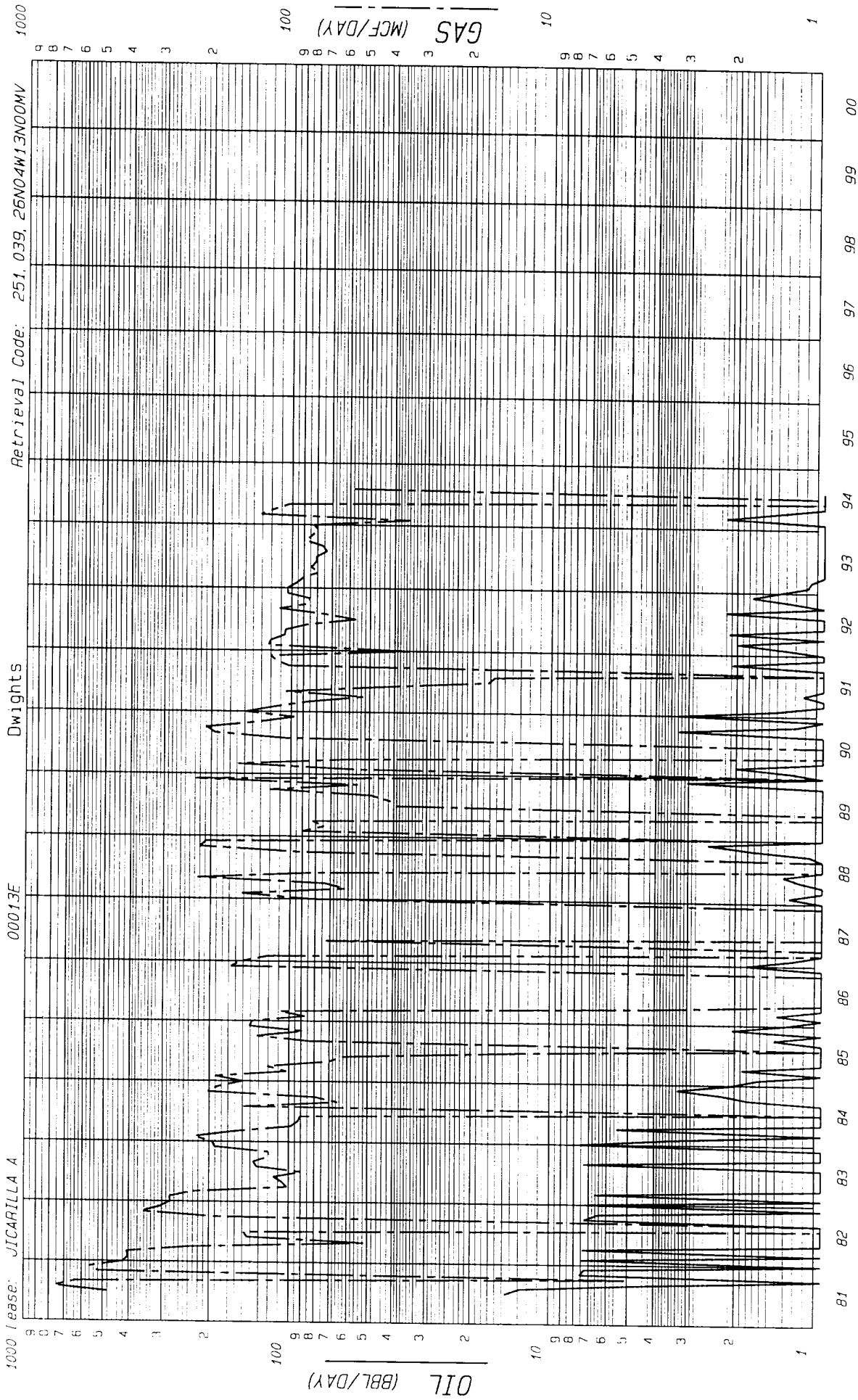


County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 9331
Gas Cum: 415944
Location: 26N 04W 13N
State: NM

Date: 01-16-95

F.P. Date 06-81

1000 lease: JICARILLA A 00013E Retrieval Code: 251, 039, 26N04W13N00MV 1000



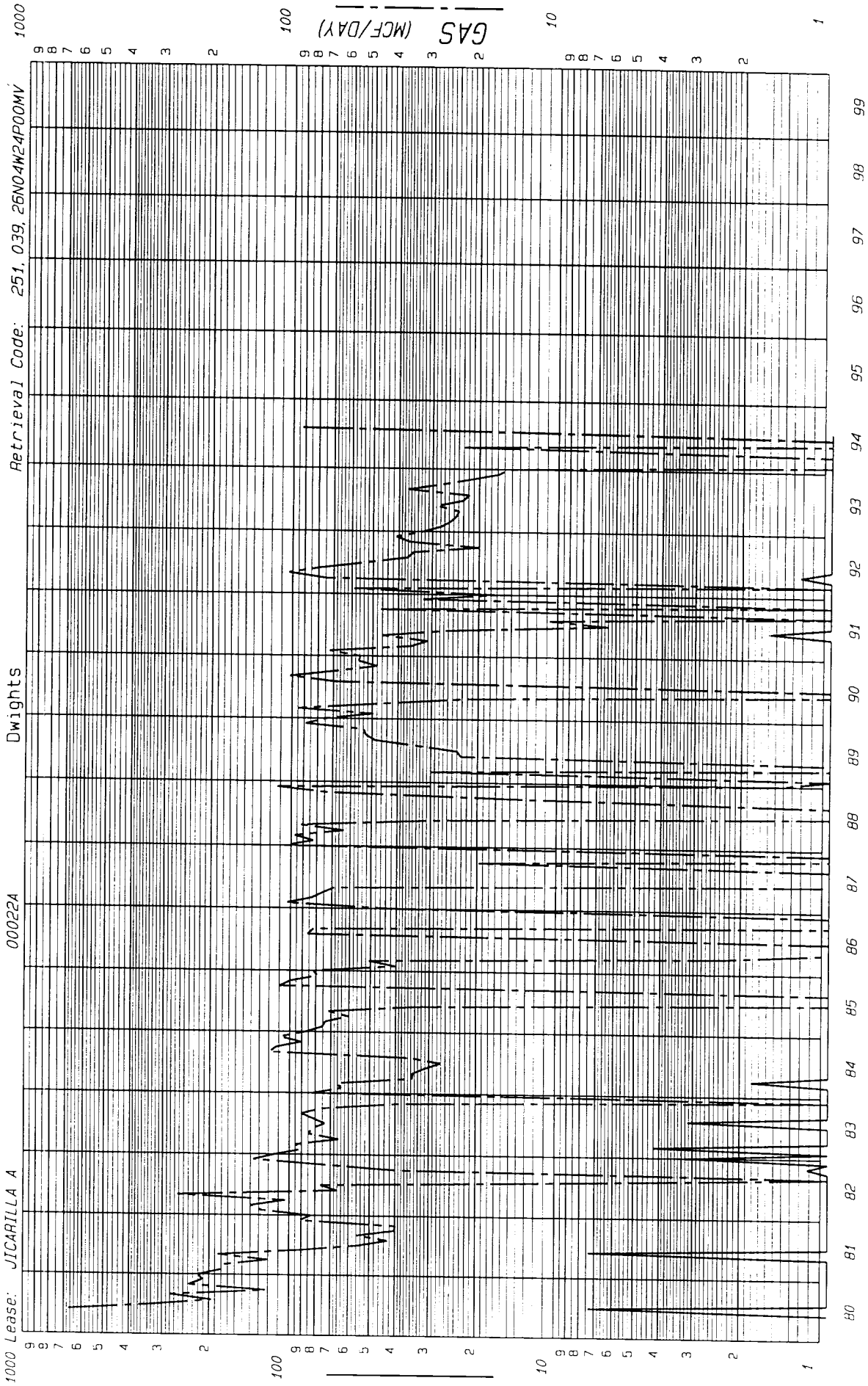
County: RIO ARriba
Field: BLANCO (MESAVARDE) MV
Reservoir: MESAVARDE
Operator: MERIT ENERGY CORP
Oil Cum: 6247 Gas Cum: 535740
Location: 13N 26N 4W

State: NM

F.P. Date 06-81

Date: 01-16-95

1000 Lease: JICARILLA A 00022A Retrieval Code: 251, 039, 26N04W24P00MV 1000



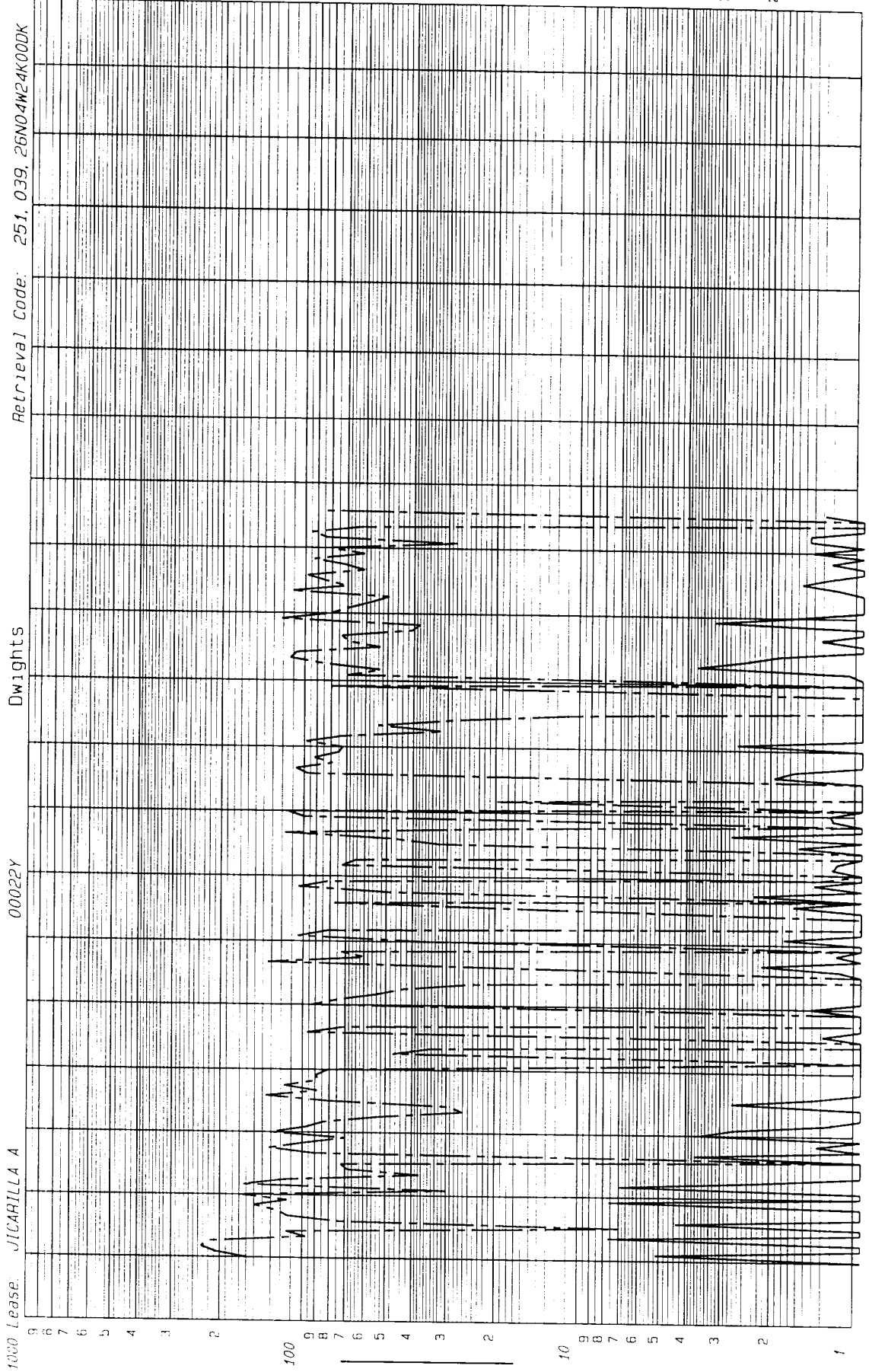
County: RIO ARriba
Field: BLANCO (MESAVEDE) MV
Reservoir: MESAVEDE
Operator: MERIT ENERGY CORP
Oil Cum: 1758 Gas Cum: 322440
Location: 24P 26N 4W

State: NM

F.P. Date 05-80

Date: 01-16-95

1000 Lease: JICARILLA A 00022Y Retrieval Code: 251, 039, 26N04W24K00DK 1000



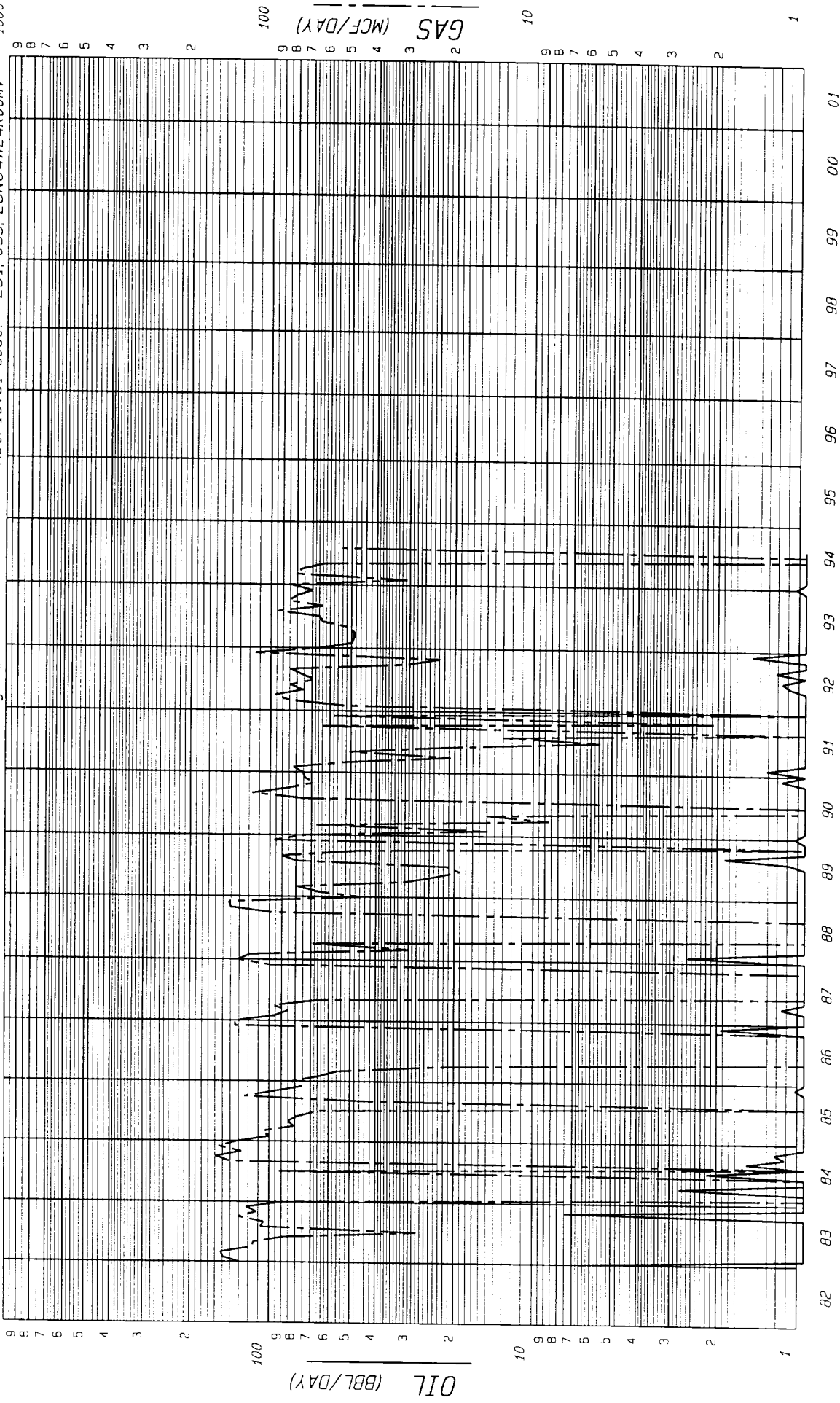
County: RTO ARriba
Field: BASIN (DARKOIA) 10K
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 3925 Gas Cum: 266921
Location: 24K 26N 4W

State: NM

F.P. Date 12-82

Date: 01-16-95

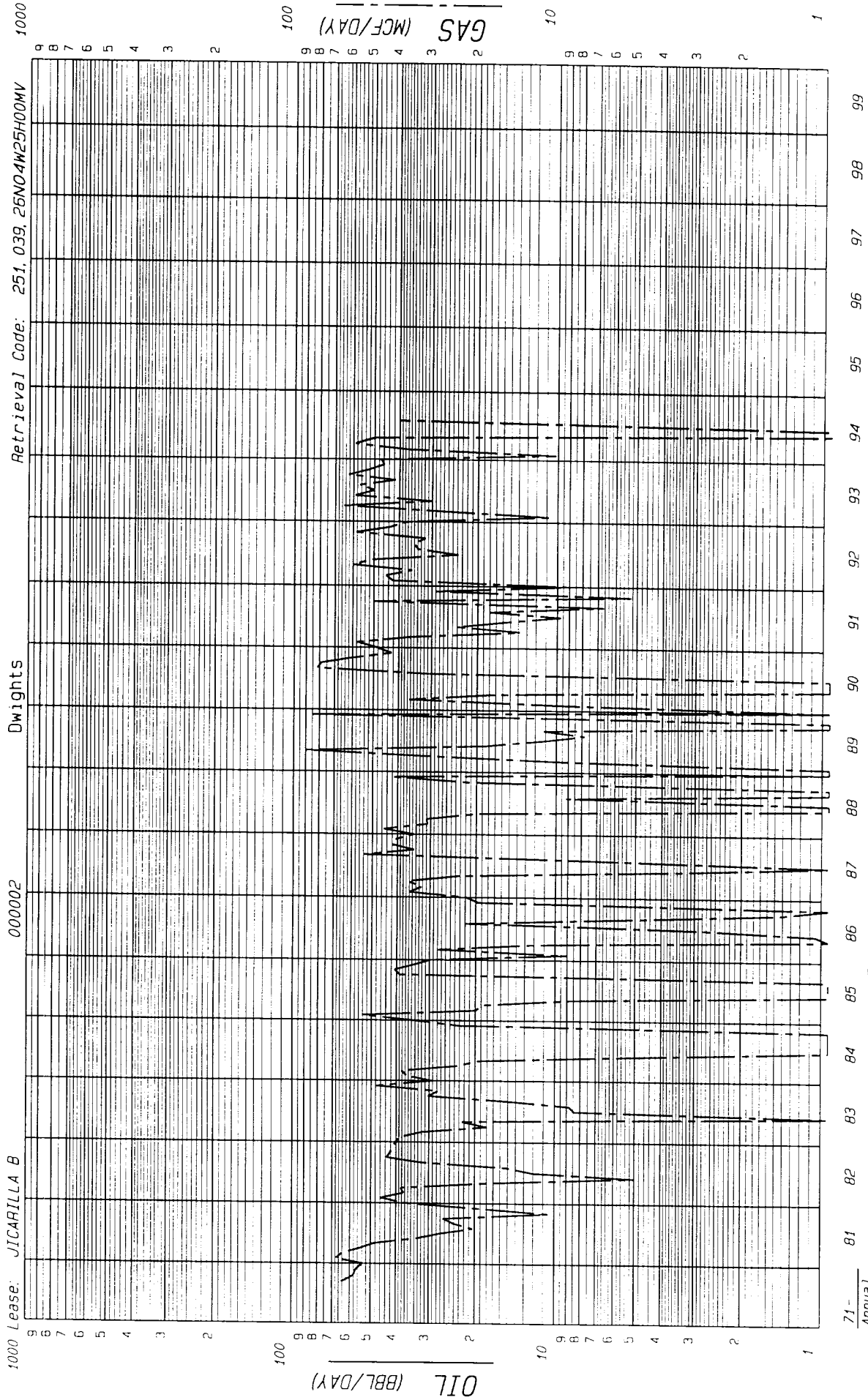
Retrieval Code: 251, 039, 26N04W24K00MV



County: RIO ARIIBA
Field: BLANCO (MESADERDE) MV
Reservoir: MESADERDE
Operator: MERIT ENERGY CORP
Oil Cum: 2453 Gas Cum: 254985
Location: 26K 26N 4W State: NM

F.P. Date 12-82

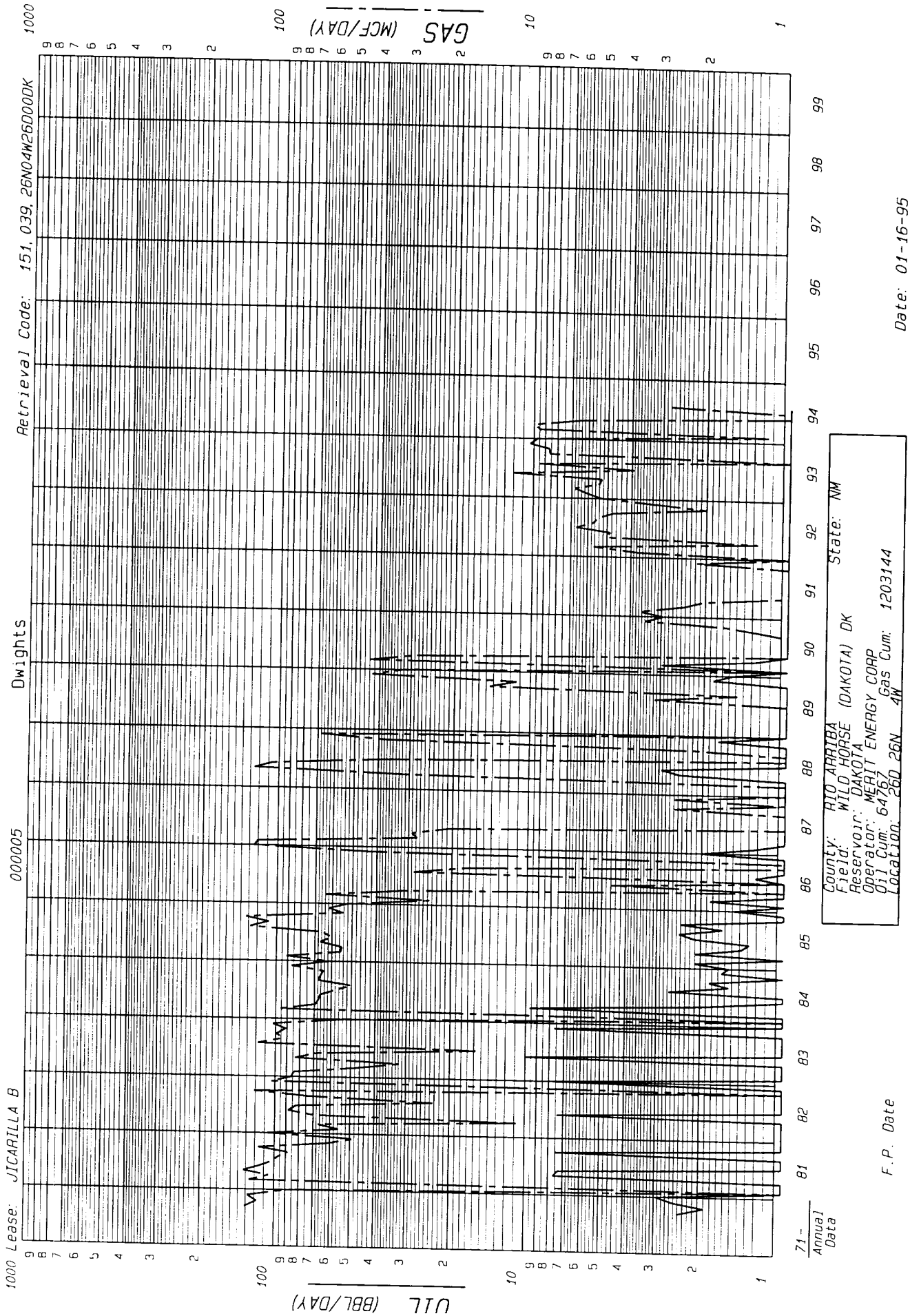
Date: 01-16-95



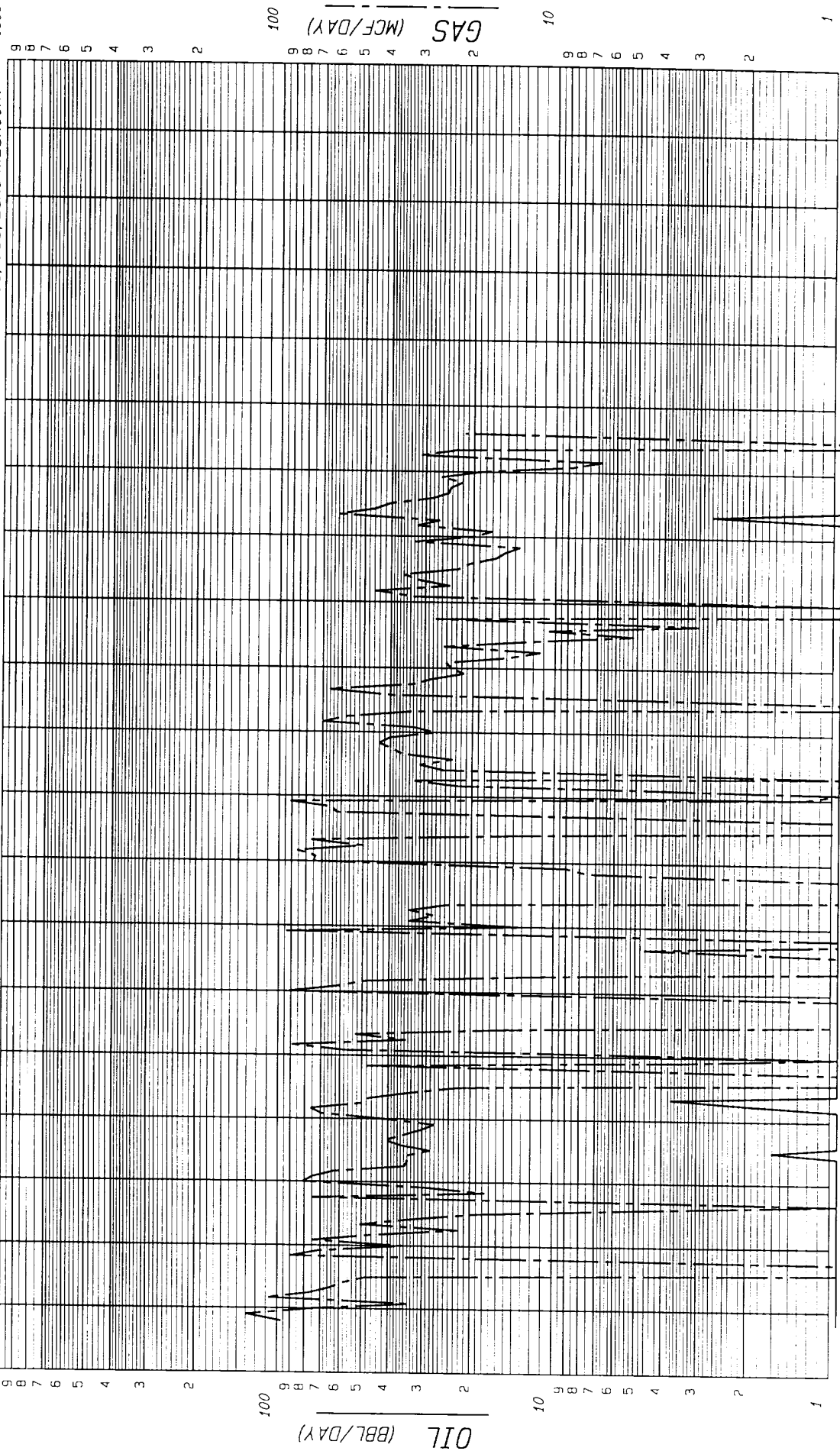
County: RIO ARriba
Field: BLANCO (MESAUERDE) MV
Reservoir: MESAUERDE
Operator: MERITT ENERGY CORP
G/L Cum: 1697
Local Cum: 2511 26N 4W
State: NM

Date: 01-16-95

I. P. Date 04-57



1000 Lease: JICARILLA B 000008 Retrieval Code: 251, 039, 26N04W25K00MV 1000



71- Annual Data 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

County: RIO ARriba
Field: BLANCO (MESAVEDE) MV
Reservoir: MESAVEDE
Operator: MERIT ENERGY CORP
Oil Cum: 364 Gas Cum: 255714
Location: 25K 26N 4W

F.P. Date 05-78

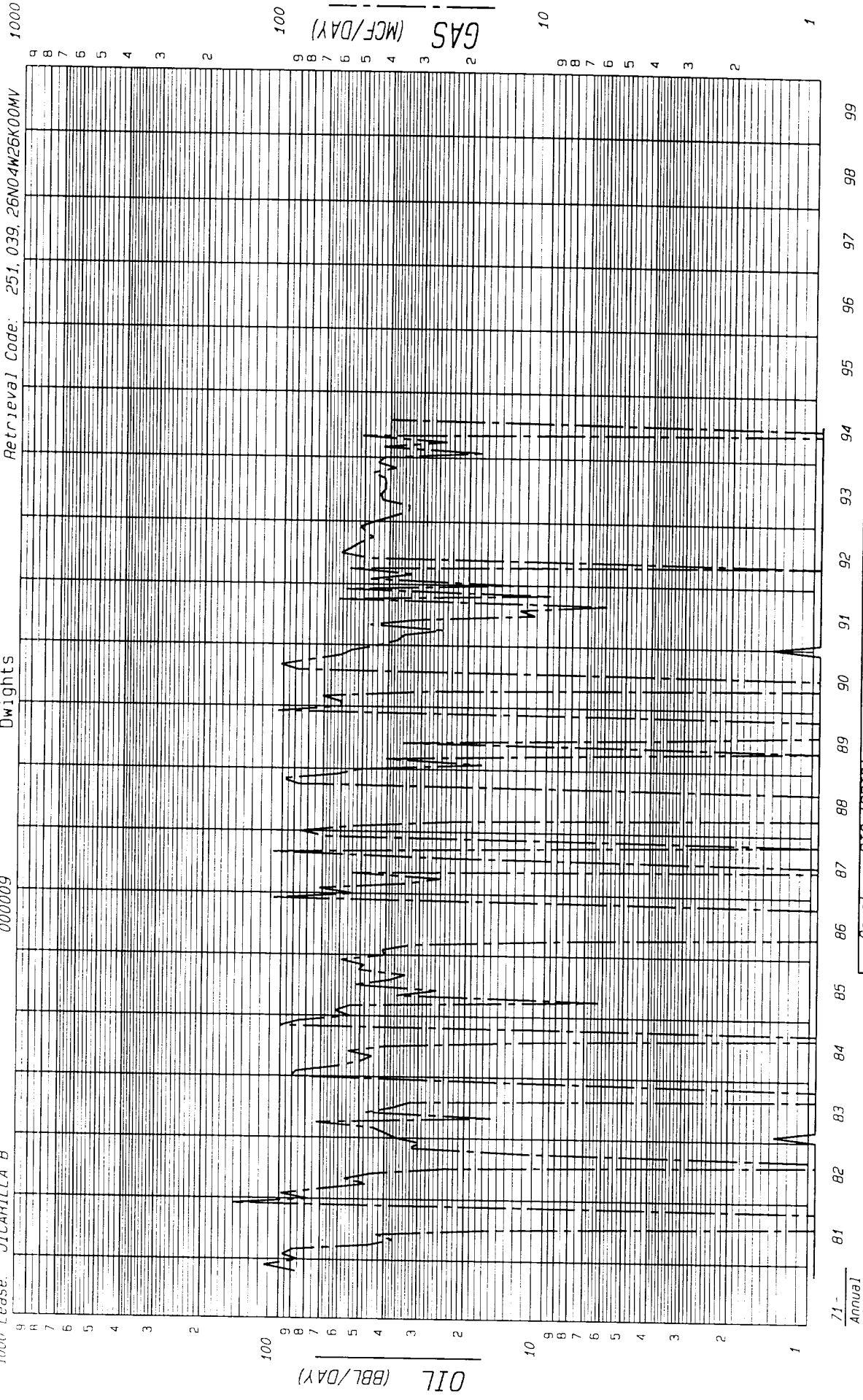
Date: 01-16-95

1000 Lease: JICARILLA B

000009

Dwights

Retrieval Code: 251, 039, 26N04W26K00MV



County: RIO ARriba
Field: BLANCO (MESAVEDE) MV
Reservoir: MESAVEDE
Operator: MERIT ENERGY CORP
Oil Cum: 593
Gas Cum: 286004
Location: 26K 26N 4W

State: NM

F.P. Date 05-78

Date: 01-16-95

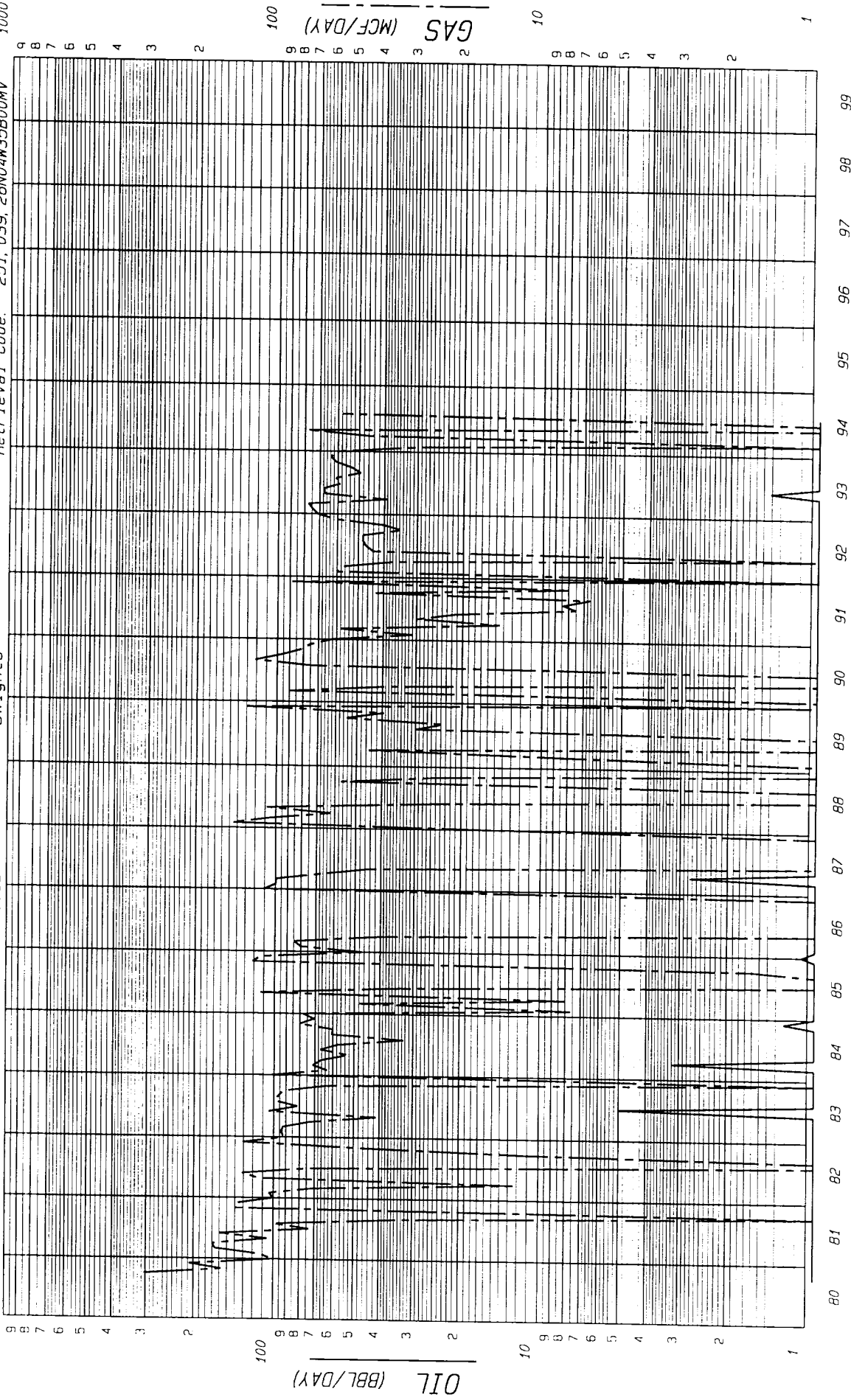
1000 Lease: JICARILLA B

000012

Dwights

Retrieval Code: 251, 039, 25N04W35B00MV

1000



County: RIO ARriba
Field: BLANCO (ML SAVILHUL) MV
Reservoir: MESAVERDE
Operator: MERIT ENERGY CORP
Oil Cum: 572
Gas Cum: 273602
Location: 35B 25N 4W

State: NM

R.P. Date 09-80

Date: 01-16-95

Retrieval Code: 251 039 26N04W36M00MV

1000

OIL (BBL/DAY)

100

200

710

545

4

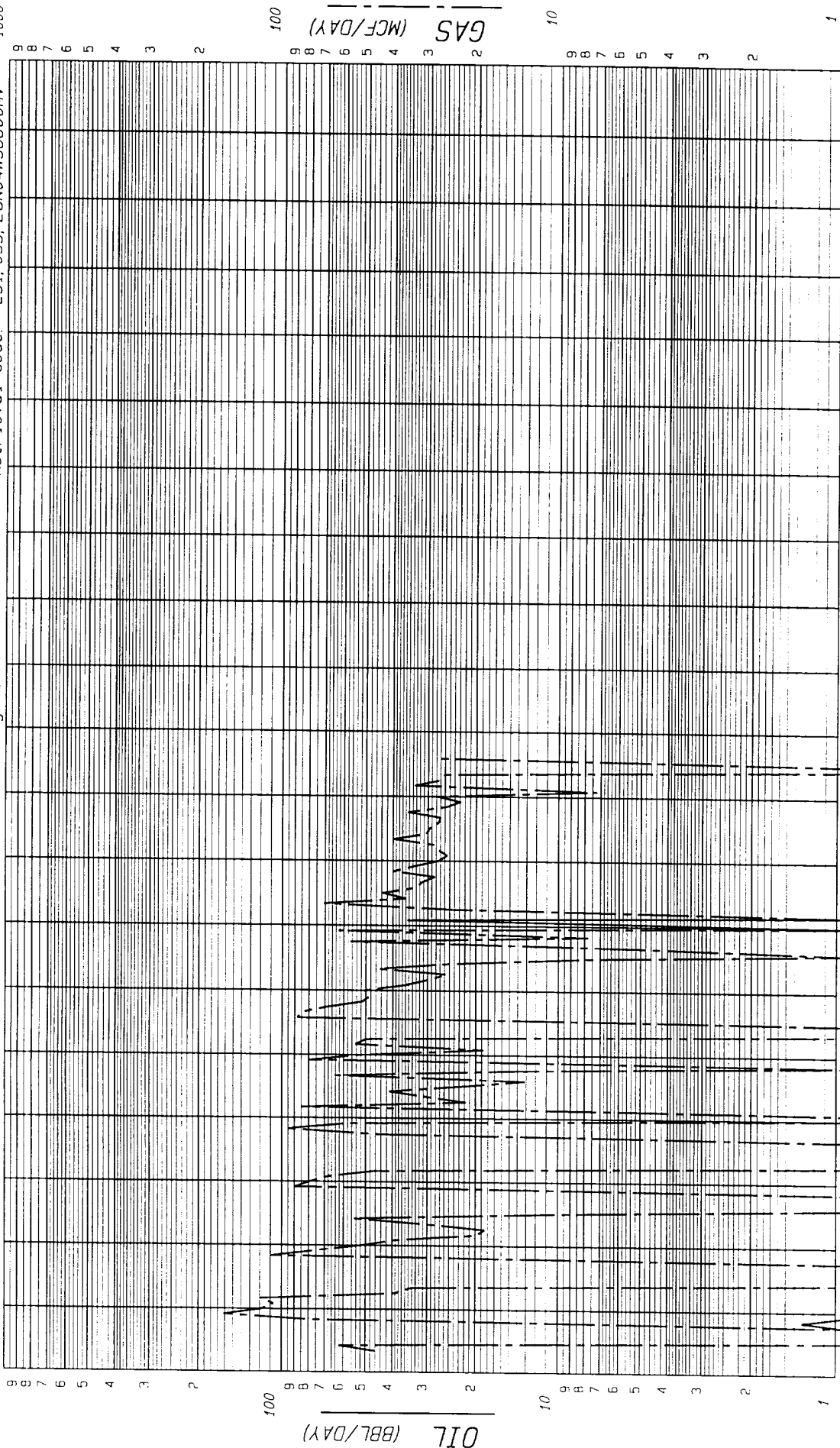
F.P. Date 06-80

Date: 01-16-95

1000 Lease: JICARILLA B Retrieval Code: 251, 039, 26N04W36J00MV

Dwights

000015



County: RIO ARriba
Field: BLANCO (MESAUVERDE) MV
Reservoir: MESAUVERDE
Operator: MERIT ENERGY CORP
Oil Cum: 1321
Gas Cum: 113568
Location: 36J 26N 4W
State: NM

F. P. Date 04-85

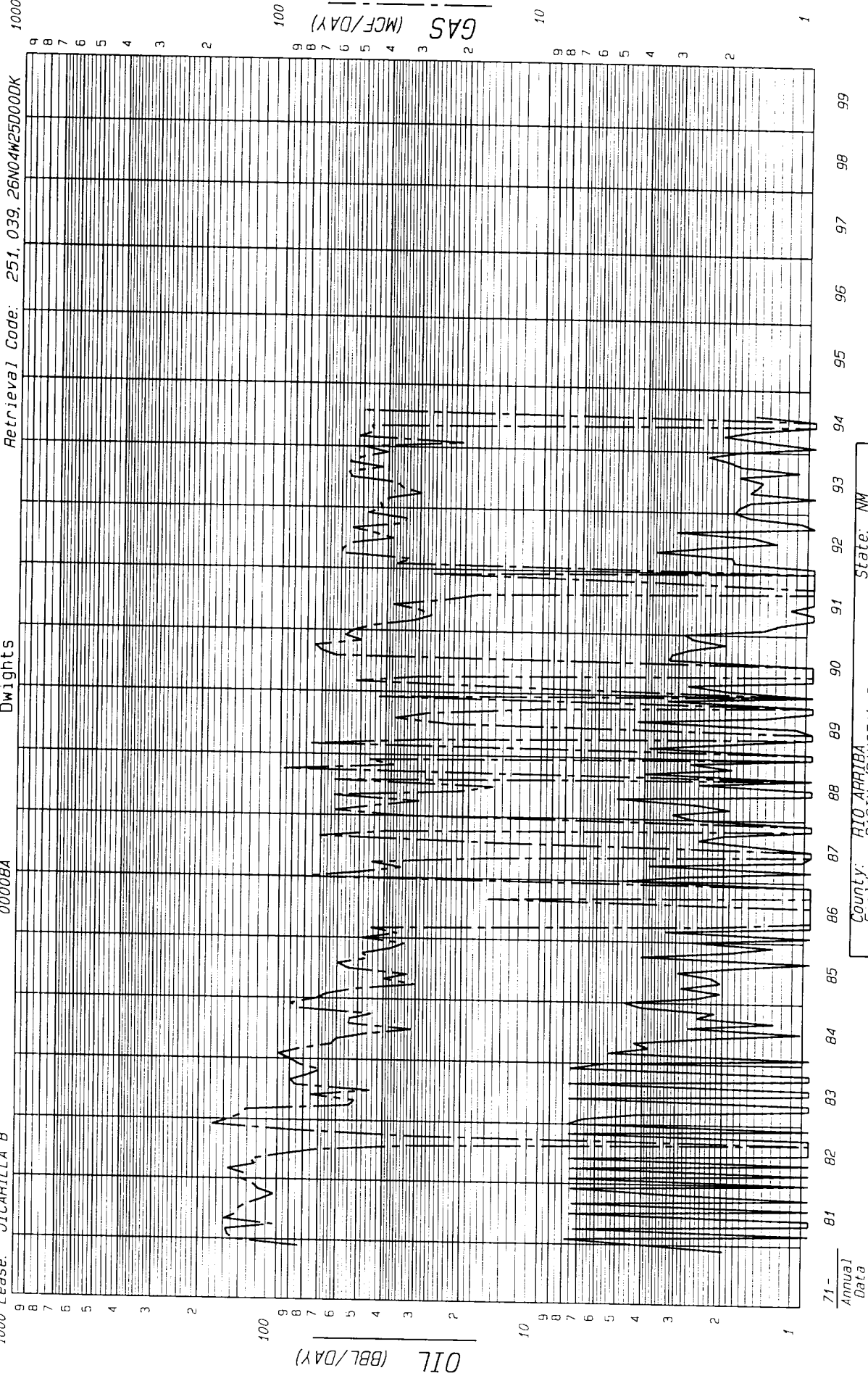
Date: 01-16-95

1000 Lease: JICARILLA B

00008A

Dwights

Retrieval Code: 251, 039, 26N04W25000DK



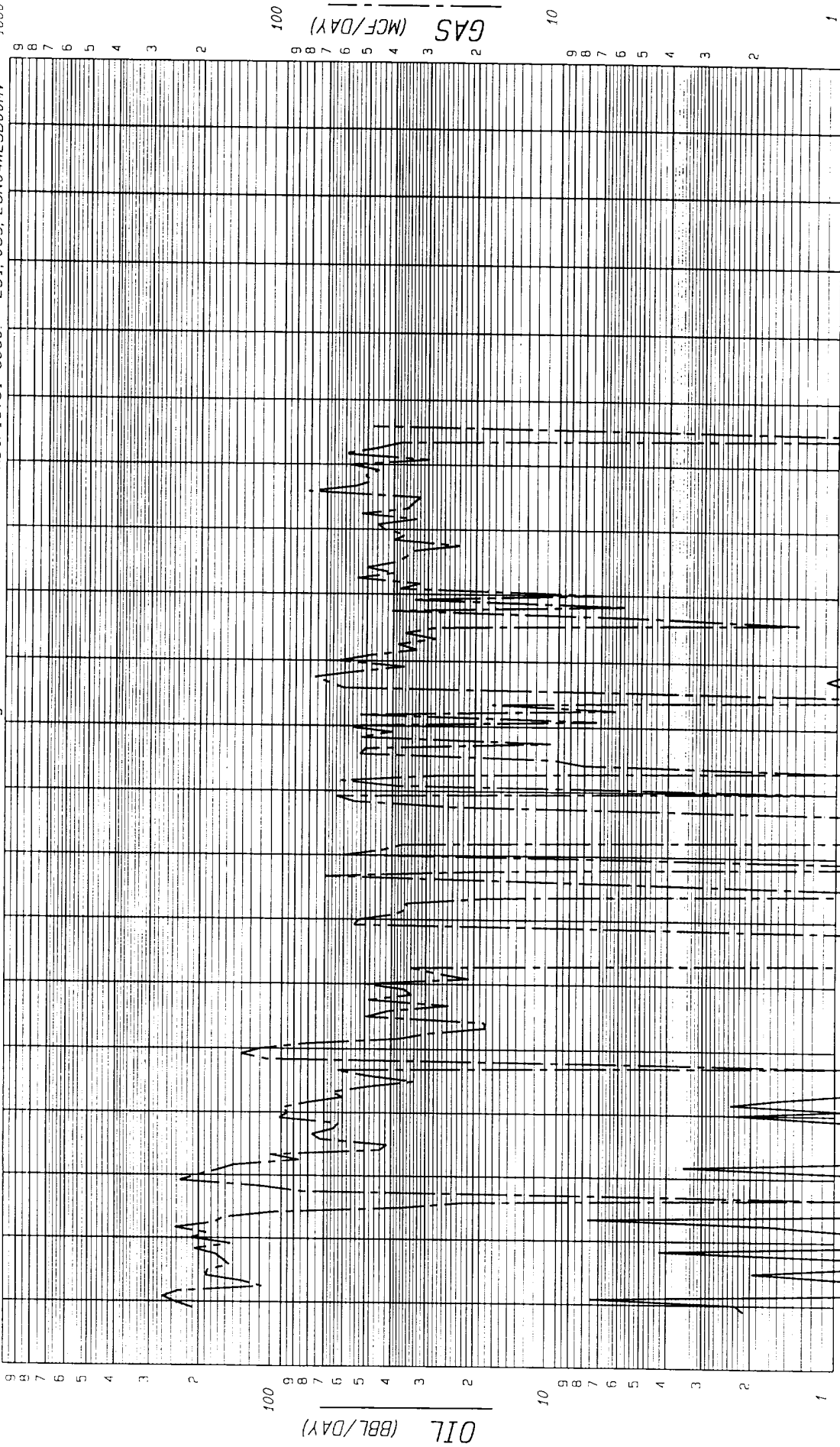
County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 12051 Gas Cum: 335342
Location: 250 26N 4W

State: NM

F.P. Date 07-79

Date: 01-16-95

1000 Lease: JICARILLA B 000084 Retrieval Code: 251, 039, 26N04W25D00MV 1000



County: RIO ARriba
Field: BLANCO (MESAVERDE) MV
Reservoir: MESAVERDE
Operator: MERIT ENERGY CORP
Oil Cum: 3017
Gas Cum: 448486
Location: 25D 26N 4W

State: NM

F.P. Date 07-79

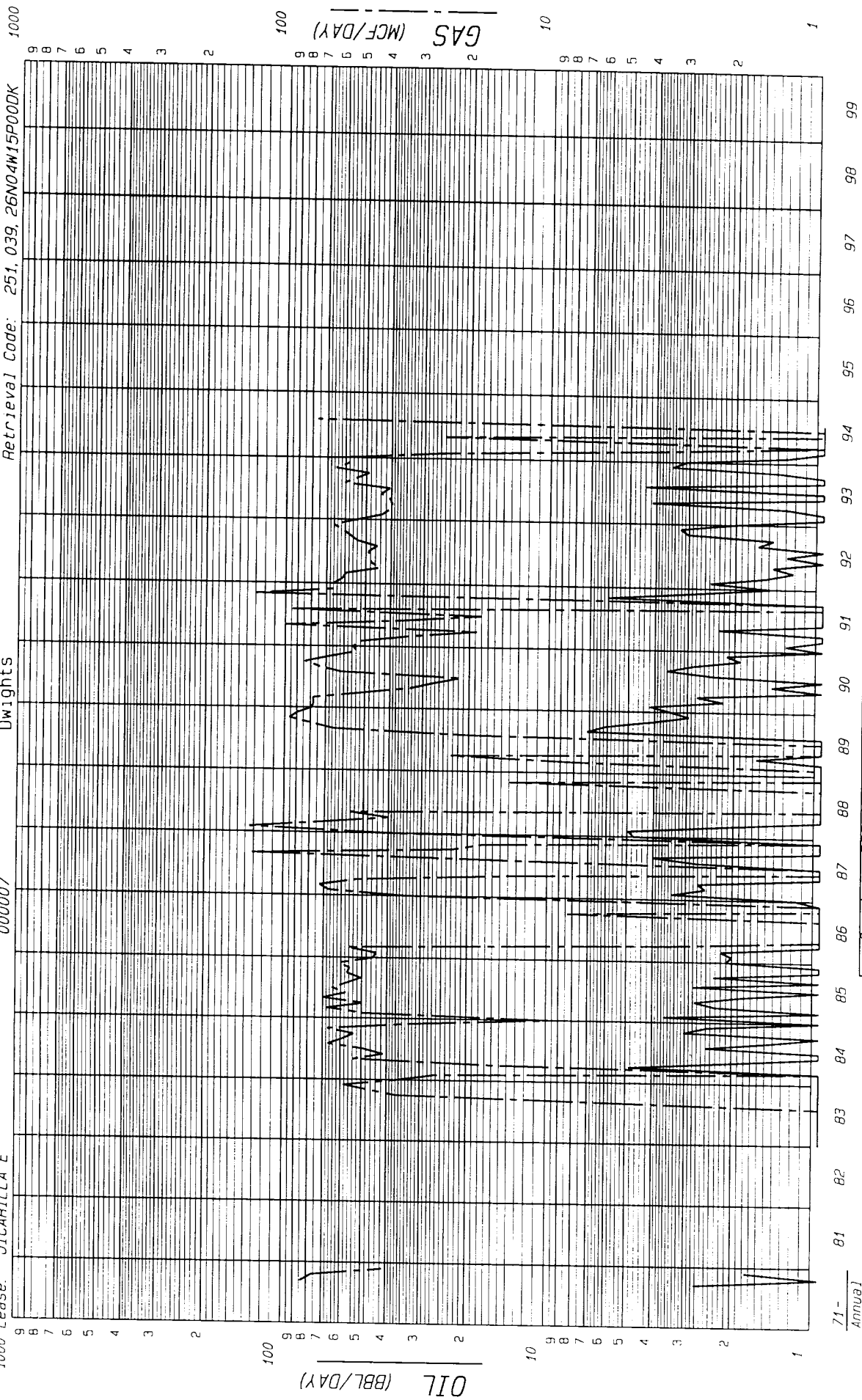
Date: 01-16-95

1000 Lease: JICARILLA E

000007

Dwights

Retrieval Code: 251, 039, 26N04W15P000K



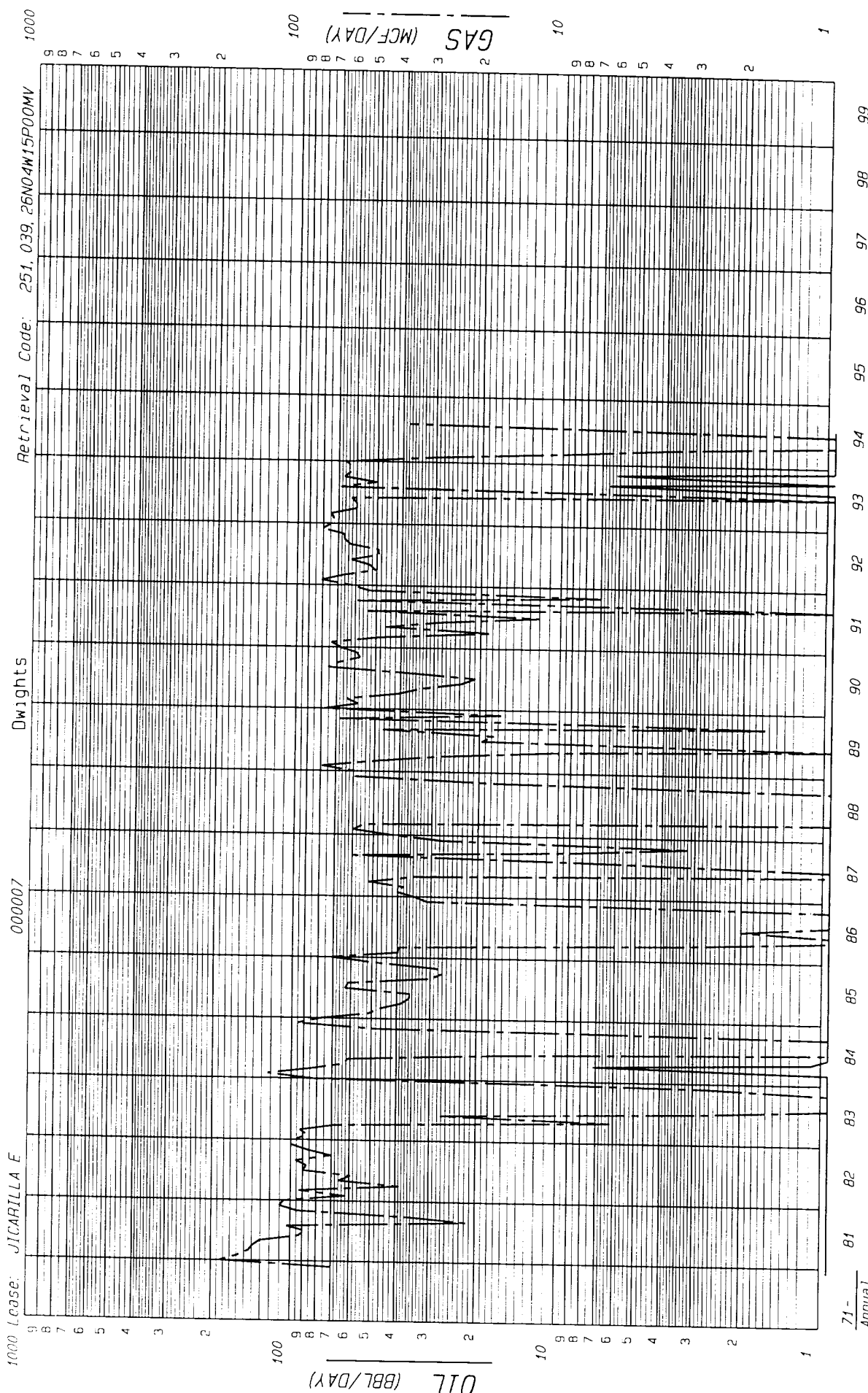
71 -
Annual
Data

County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 26409 Gas Cum: 647183
Location: 15P 26N 4W

State: NM

F.P. Date 03 60

Date: 01-16-95

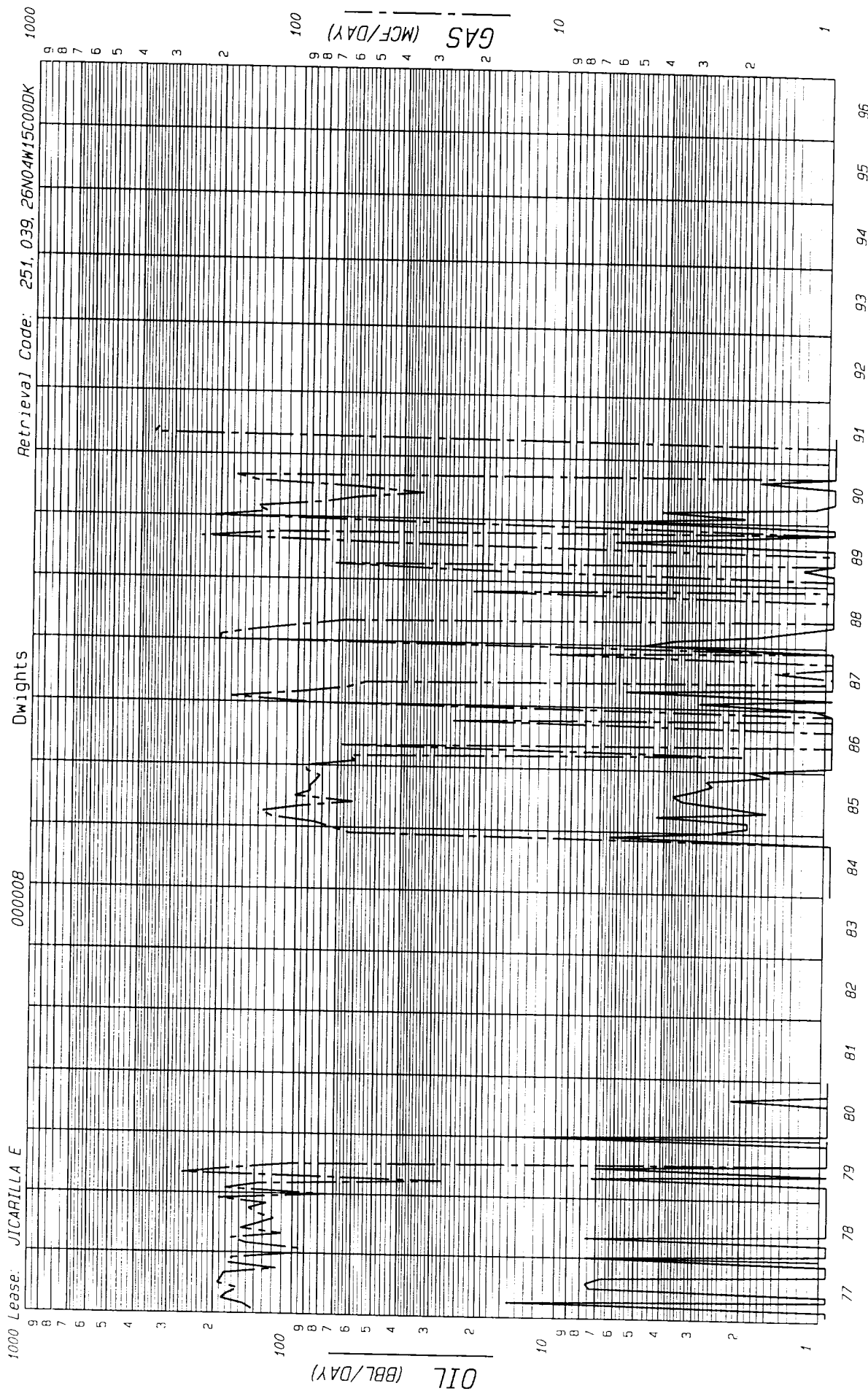


1000 Lease: JICARILLA E
 000007
 Retrieval Code: 251, 039, 26N04W15P00MV

County: RIO ARriba
 Field: BLANCO (MESAVERDE) MV
 Reservoir: MESAVERDE
 Operator: MERIT ENERGY CORP
 Oil Cum: 1108
 Gas Cum: 317950
 Location: 15P 26N 4W

Date: 01-16-95

F.P. Date 10-79



County: RIO ARriba
 Field: BASIN (DAKOTA) DK
 Reservoir: DAKOTA
 Operator: MERIT ENERGY CORP
 Oil Cum: 26018
 Gas Cum: 952339
 Location: 15C 26N 4W

State: NM

F.P. Date 03 68

Date: 01-16-95

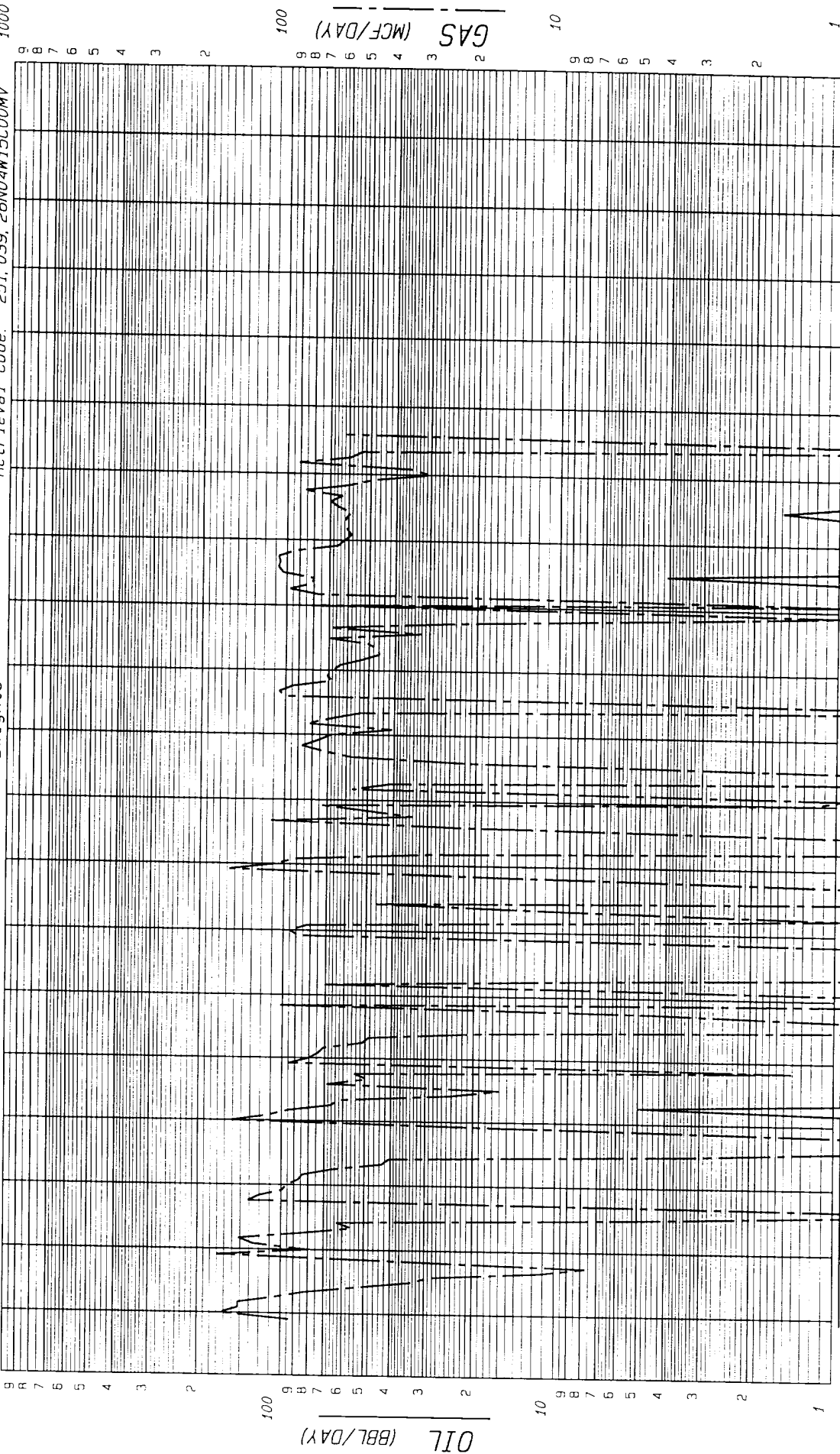
1000 Lease: JICARILLA E

000008

Dwights

Retrieval Code: 251, 039, 26N04W15C00MV

1000



71-
Annual
Data

81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

County: RIO ARriba
Field: BLANCO (MESAVEDE) MV
Reservoir: MESAVEDE
Operator: MERIT ENERGY CORP
Oil Cum: 370 Gas Cum: 346490
Location: 15C 26N 4W

State: NM

F.P. Date 10-79

Date: 01-16-95

Retrieval Code: 251, 039, 26N04W16B00DK

1000

100

10

10

71 - Annual Data

66

County:	HIO ARriba	State:	NM
Field:	BASIN (DAKOTA) DK		
Reservoir:	DAKOTA		
Operator:	MERIT ENERGY CORP		
1st Cum:	12168	Gals Cum:	323188
Location:	115N 26N 4W		

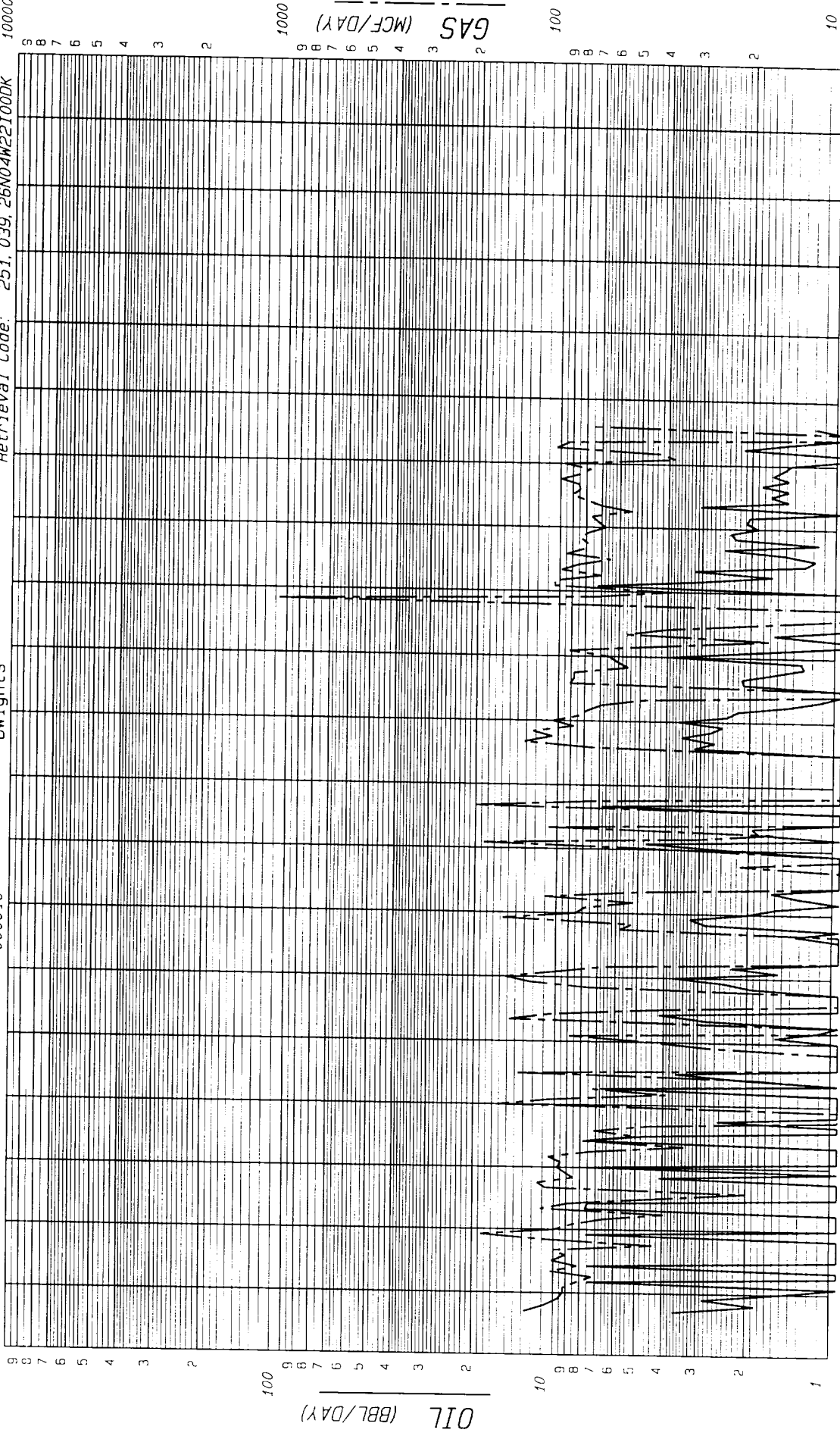
1. D. DATE 11 688

Date: 01-16-95

1000 Lease: JICARILLA E Retrieval Code: 251, 039, 26N04W22I00DK

Dwights

000010



71-
Annual
Data

County: RIO ARriba
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: MERIT ENERGY CORP
Oil Cum: 36082
Gas Cum: 889350
Location: 221 26N 4W
State: NM

F.P. Date 10-68

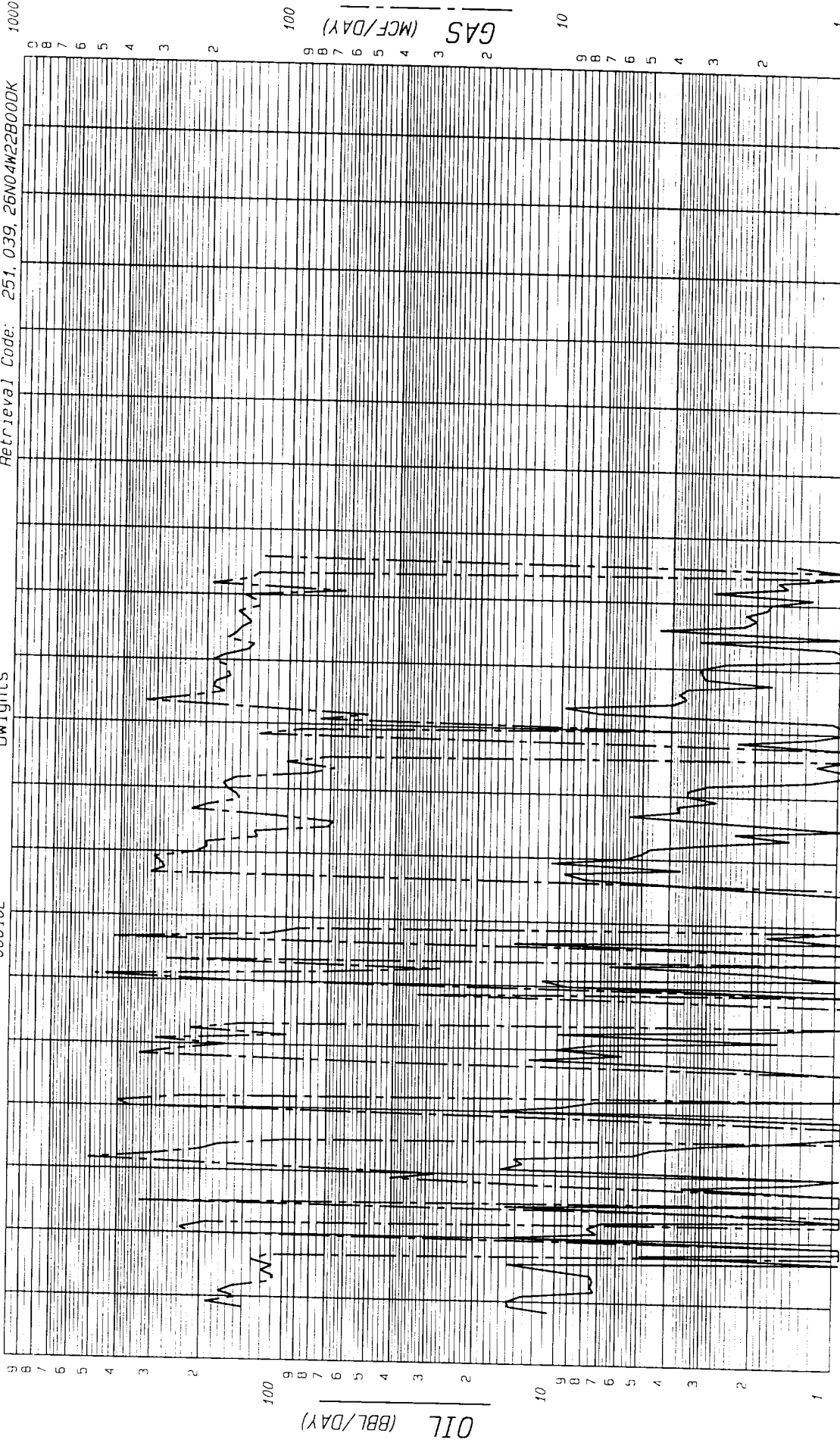
Date: 01-16-95

1000 Lease: JICARILLA E

00010E

Dwights

Retrieval Code: 251, 039, 26N04W22B00DK



County: RIO ARriba	State: NM
Field: BASIN (DAKOTA) DK	
Reservoir: DAKOTA	
Operator: MERIT ENERGY CORP	
Oil Cum: 16210	Gas Cum: 508251
Location: 22B 26N 4W	

F.P. Date 10-82

Date: 01-16-95

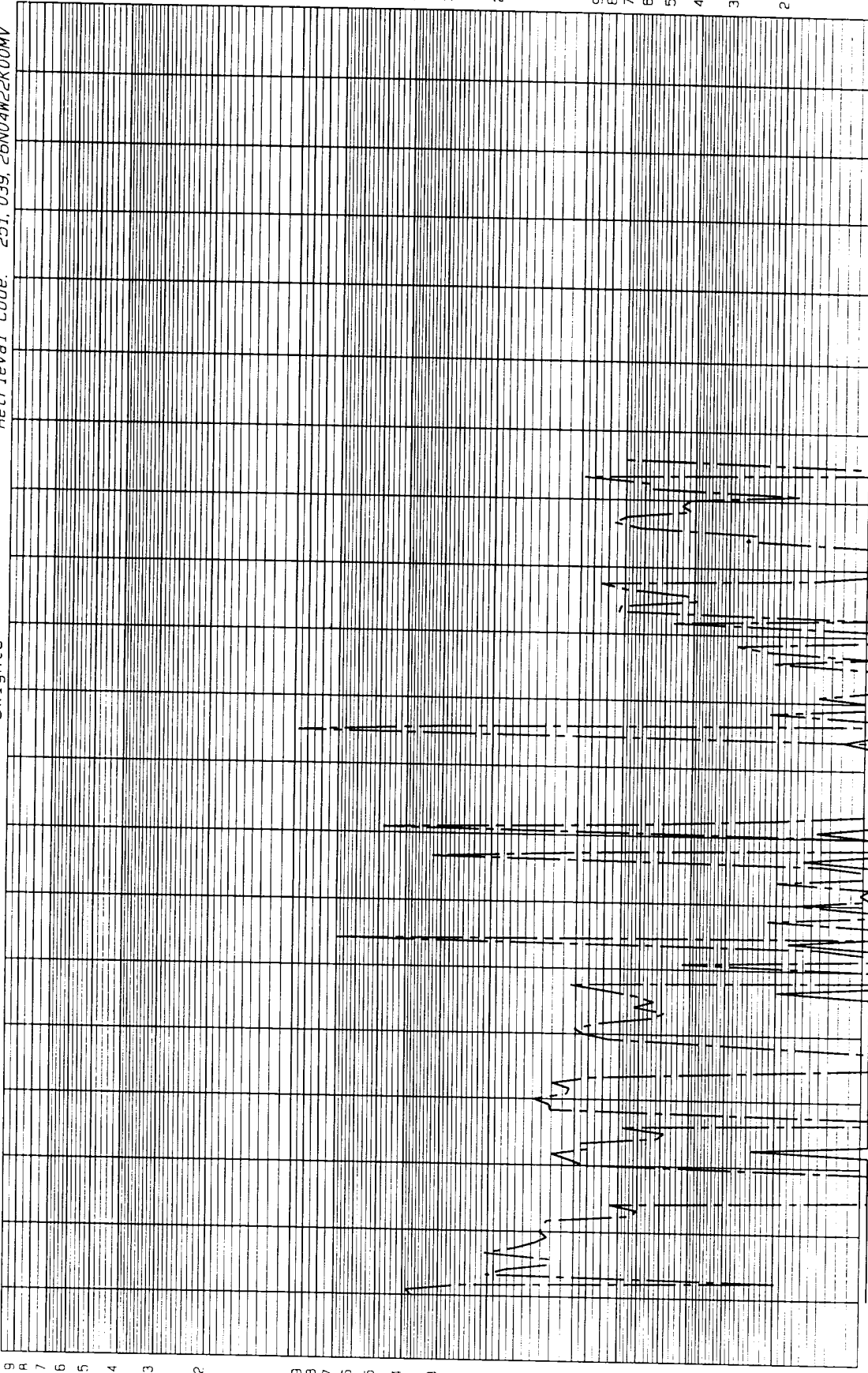
1000 Lease: JICARILLA E

000012

Dwights

Retrieval Code: 251, 039, 26N04W22K00MV

1000



County: RIO ARriba
Field: BLANCO (MESAVARDE) MV
Reservoir: MESAVARDE
Operator: MERIT ENERGY CORP
Oil Cum: 506
Gas Cum: 29054
Location: 22K 26N 4W
State: NM

F.P. Date 12-81

Date: 01-16-95

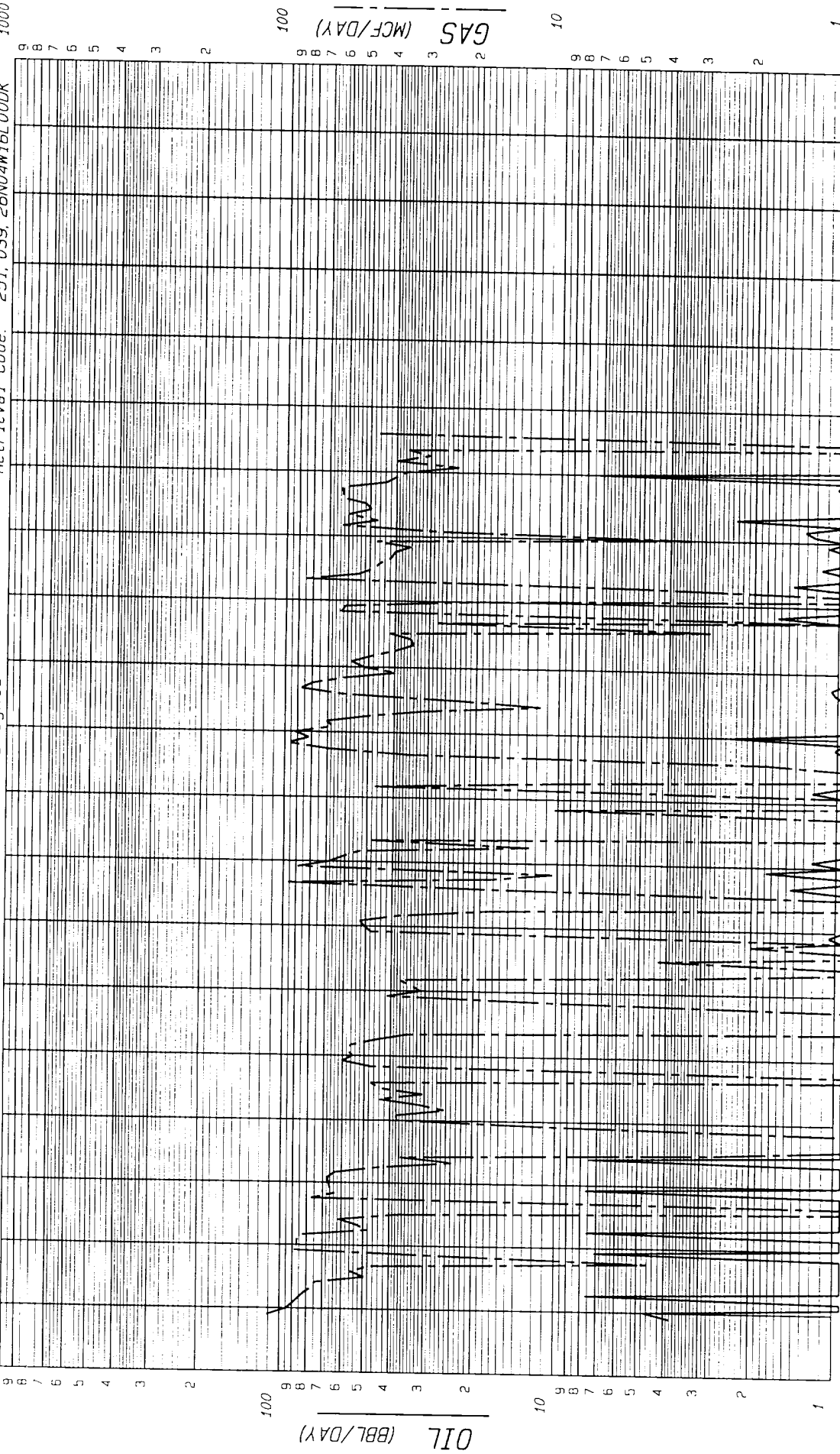
1000 Lease: JICARILLA E

000015

Dwights

Retrieval Code: 251, 039, 26N04W16L00DK

1000



71-
Annual
Data

County:	RIO ARriba	State:	NM
Field:	BASIN (Dakota) DK		
Reservoir:	DAKOTA		
Operator:	MERIT ENERGY CORP		
Oil Cum:	5867	Gas Cum:	253024
Location:	16L 26N 4W		

F.P. Date 05-79

Date: 01-16-95

Downhole Commingle Application Exhibit D

Reservoir	Field (Resv)	Location	Operator	Lease Name	Well No.	Status	SI Tubing Pressure (psi)
DAKOTA	BASIN (DAKOTA) DK	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8	ACT	400
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	8	ACT	600
DAKOTA	BASIN (DAKOTA) DK	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	9	ACT	450
MESAVERDE	BLANCO (MESAVERDE) MV	14C 26N 4W	MERIT ENERGY CORP	JICARILLA A	9	ACT	380
DAKOTA	BASIN (DAKOTA) DK	23O 26N 4W	MERIT ENERGY CORP	JICARILLA A	10	ACT	585
DAKOTA	BASIN (DAKOTA) DK	14J 26N 4W	MERIT ENERGY CORP	JICARILLA A	11	ACT	500
DAKOTA	BASIN (DAKOTA) DK	24D 26N 4W	MERIT ENERGY CORP	JICARILLA A	12	ACT	525
DAKOTA	BASIN (DAKOTA) DK	13E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13	ACT	705
MESAVERDE	BLANCO (MESAVERDE) MV	24A 26N 4W	MERIT ENERGY CORP	JICARILLA A	14	ACT	565
MESAVERDE	BLANCO (MESAVERDE) MV	14G 26N 4W	MERIT ENERGY CORP	JICARILLA A	15	ACT	585
DAKOTA	BASIN (DAKOTA) DK	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E	ACT	775
DAKOTA	BLANCO (MESAVERDE) MV	23G 26N 4W	MERIT ENERGY CORP	JICARILLA A	10E	ACT	450
MESAVERDE	BLANCO (MESAVERDE) MV	13N 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E	ACT	830
MESAVERDE	BLANCO (MESAVERDE) MV	24P 26N 4W	MERIT ENERGY CORP	JICARILLA A	13E	ACT	520
DAKOTA	BASIN (DAKOTA) DK	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22A	ACT	600
MESAVERDE	BLANCO (MESAVERDE) MV	24K 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y	ACT	925
MESAVERDE	BLANCO (MESAVERDE) MV	25H 26N 4W	MERIT ENERGY CORP	JICARILLA A	22Y	ACT	465
DAKOTA	WILD HORSE (DAKOTA) DK	26D 26N 4W	MERIT ENERGY CORP	JICARILLA B	2	ACT	420
MESAVERDE	BLANCO (MESAVERDE) MV	25K 26N 4W	MERIT ENERGY CORP	JICARILLA B	5	ACT	750
MESAVERDE	BLANCO (MESAVERDE) MV	26K 26N 4W	MERIT ENERGY CORP	JICARILLA B	8	ACT	460
MESAVERDE	BLANCO (MESAVERDE) MV	35B 26N 4W	MERIT ENERGY CORP	JICARILLA B	9	ACT	520
MESAVERDE	BLANCO (MESAVERDE) MV	36M 26N 4W	MERIT ENERGY CORP	JICARILLA B	12	ACT	515
MESAVERDE	BLANCO (MESAVERDE) MV	36J 26N 4W	MERIT ENERGY CORP	JICARILLA B	13	ACT	515
DAKOTA	BASIN (DAKOTA) DK	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	15	ACT	350
MESAVERDE	BLANCO (MESAVERDE) MV	25D 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A	ACT	950
DAKOTA	BASIN (DAKOTA) DK	15P 26N 4W	MERIT ENERGY CORP	JICARILLA B	8A	ACT	520
MESAVERDE	BLANCO (MESAVERDE) MV	15P 26N 4W	MERIT ENERGY CORP	JICARILLA E	7	ACT	850
DAKOTA	BASIN (DAKOTA) DK	15C 26N 4W	MERIT ENERGY CORP	JICARILLA E	7	ACT	360
MESAVERDE	BLANCO (MESAVERDE) MV	16B 26N 4W	MERIT ENERGY CORP	JICARILLA E	8	INA	490
DAKOTA	BASIN (DAKOTA) DK	22I 26N 4W	MERIT ENERGY CORP	JICARILLA E	8	ACT	490
MESAVERDE	BLANCO (MESAVERDE) MV	22K 26N 4W	MERIT ENERGY CORP	JICARILLA E	9	ACT	770
DAKOTA	BASIN (DAKOTA) DK	16L 26N 4W	MERIT ENERGY CORP	JICARILLA E	10	ACT	470
MESAVERDE	BLANCO (MESAVERDE) MV	22K 26N 4W	MERIT ENERGY CORP	JICARILLA E	12	ACT	800
DAKOTA	BASIN (DAKOTA) DK	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	15	ACT	800
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E	ACT	1110
New Wells							
DAKOTA	BASIN (DAKOTA) DK	15B 26N 4W	MERIT ENERGY CORP	JICARILLA E	7E	ACT	
DAKOTA	BASIN (DAKOTA) DK	15B 26N 4W	MERIT ENERGY CORP	JICARILLA E	8E	ACT	
MESAVERDE	BLANCO (MESAVERDE) MV	22B 26N 4W	MERIT ENERGY CORP	JICARILLA E	10E	ACT	
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	13	ACT	
MESAVERDE	BLANCO (MESAVERDE) MV	23E 26N 4W	MERIT ENERGY CORP	JICARILLA A	10	ACT	

Exhibit E

Offset Operators

State	County	Reservoir	Location	Operator	Lease Name	Well	Status
NM	RIO ARRIBA	MESAVERDE	7A 26N 3W	SNYDER OIL CORP	TRIBAL C	9	ACT
NM	RIO ARRIBA	DAKOTA	7B 26N 3W	SNYDER OIL CORP	TRIBAL C	10E	ACT
NM	RIO ARRIBA	DAKOTA	7J 26N 3W	SNYDER OIL CORP	TRIBAL C	10	ACT
NM	RIO ARRIBA	MESAVERDE	7N 26N 3W	MERIDIAN OIL INC	JICARILLA 97	2	ACT
NM	RIO ARRIBA	MESAVERDE	7O 26N 3W	SNYDER OIL CORP	TRIBAL C	9A	ACT
NM	RIO ARRIBA	MESAVERDE	17A 26N 3W	MERIDIAN OIL INC	JICARILLA 98	6	INA
NM	RIO ARRIBA	DAKOTA	17E 26N 3W	NASSAU RESOURCES INC	APACHE	5	INA
NM	RIO ARRIBA	DAKOTA	17G 26N 3W	NASSAU RESOURCES INC	APACHE	5E	INA
NM	RIO ARRIBA	DAKOTA	17M 26N 3W	NASSAU RESOURCES INC	APACHE	6	INA
NM	RIO ARRIBA	DAKOTA	18A 26N 3W	NASSAU RESOURCES INC	APACHE	1E	INA
NM	RIO ARRIBA	DAKOTA	18D 26N 3W	NASSAU RESOURCES INC	APACHE	1	INA
NM	RIO ARRIBA	DAKOTA	18L 26N 3W	NASSAU RESOURCES INC	APACHE	2	INA
NM	RIO ARRIBA	MESAVERDE	30A 26N 3W	MERIT ENERGY CORP	JICARILLA D	18	ACT
NM	RIO ARRIBA	MESAVERDE	31I 26N 3W	MERIT ENERGY CORP	JICARILLA D	19	ACT
NM	RIO ARRIBA	MESAVERDE	31N 26N 3W	MERIT ENERGY CORP	JICARILLA D	20	ACT
NM	RIO ARRIBA	MESAVERDE	8A 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	7	ACT
NM	RIO ARRIBA	DAKOTA	8B 26N 4W	SNYDER OIL CORP	NORTHWEST	4	ACT
NM	RIO ARRIBA	MESAVERDE	8D 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8A	ACT
NM	RIO ARRIBA	DAKOTA	8I 26N 4W	SNYDER OIL CORP	NORTHWEST	4E	ACT
NM	RIO ARRIBA	DAKOTA	8M 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8	ACT
NM	RIO ARRIBA	MESAVERDE	8M 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	8	ACT
NM	RIO ARRIBA	MESAVERDE	8O 26N 4W	MERIDIAN OIL INC	JICARILLA 119 N	7A	ACT
NM	RIO ARRIBA	MESAVERDE	9C 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	29A	INA
NM	RIO ARRIBA	DAKOTA	9F 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	14	INA
NM	RIO ARRIBA	DAKOTA	9G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	12	INA
NM	RIO ARRIBA	MESAVERDE	9G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	29	INA
NM	RIO ARRIBA	MESAVERDE	9L 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	15A	INA
NM	RIO ARRIBA	DAKOTA	9M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	14E	INA
NM	RIO ARRIBA	DAKOTA	9O 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	12E	INA
NM	RIO ARRIBA	MESAVERDE	9P 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	15	INA
NM	RIO ARRIBA	DAKOTA	10B 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13	P&A
NM	RIO ARRIBA	DAKOTA	10C 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	11	INA
NM	RIO ARRIBA	MESAVERDE	10D 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	30A	INA
NM	RIO ARRIBA	MESAVERDE	10G 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	30	INA
NM	RIO ARRIBA	DAKOTA	10H 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13R	INA
NM	RIO ARRIBA	DAKOTA	10I 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	13E	INA
NM	RIO ARRIBA	DAKOTA	10M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	11E	INA
NM	RIO ARRIBA	MESAVERDE	10M 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	16A	INA
NM	RIO ARRIBA	MESAVERDE	10O 26N 4W	AMOCO PRODUCTION CO	JICARILLA APACHE 102	16	INA
NM	RIO ARRIBA	DAKOTA	11A 26N 4W	SNYDER OIL CORP	JICARILLA C	1E	ACT
NM	RIO ARRIBA	MESAVERDE	11A 26N 4W	SNYDER OIL CORP	JICARILLA C	1A	ACT
NM	RIO ARRIBA	DAKOTA	11F 26N 4W	SNYDER OIL CORP	MCINTYRE	1	ACT
NM	RIO ARRIBA	MESAVERDE	11F 26N 4W	SNYDER OIL CORP	MCINTYRE	1	ACT
NM	RIO ARRIBA	DAKOTA	11K 26N 4W	SNYDER OIL CORP	MCINTYRE	1M	ACT
NM	RIO ARRIBA	MESAVERDE	11K 26N 4W	SNYDER OIL CORP	MCINTYRE	1M	ACT
NM	RIO ARRIBA	DAKOTA	11P 26N 4W	SNYDER OIL CORP	JICARILLA C	1	ACT
NM	RIO ARRIBA	MESAVERDE	11P 26N 4W	SNYDER OIL CORP	JICARILLA C	1	ACT
NM	RIO ARRIBA	DAKOTA	12G 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7M	INA
NM	RIO ARRIBA	MESAVERDE	12G 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7M	ACT
NM	RIO ARRIBA	DAKOTA	12M 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	2	ACT
NM	RIO ARRIBA	MESAVERDE	12N 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	8	ACT
NM	RIO ARRIBA	DAKOTA	12P 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7	ACT
NM	RIO ARRIBA	MESAVERDE	12P 26N 4W	SOUTHLAND ROYALTY CO	JICARILLA 101	7	ACT
NM	RIO ARRIBA	DAKOTA	17A 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12	ACT
NM	RIO ARRIBA	MESAVERDE	17A 26N 4W	MERIDIAN OIL INC	JICARILLA 103	9	ACT
NM	RIO ARRIBA	DAKOTA	17D 26N 4W	MERIDIAN OIL INC	JICARILLA 103	10	ACT
NM	RIO ARRIBA	MESAVERDE	17D 26N 4W	MERIDIAN OIL INC	JICARILLA 103	10	ACT
NM	RIO ARRIBA	DAKOTA	17I 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12M	ACT
NM	RIO ARRIBA	MESAVERDE	17I 26N 4W	MERIDIAN OIL INC	JICARILLA 103	12M	ACT
NM	RIO ARRIBA	DAKOTA	20C 26N 4W	MERIDIAN OIL INC	JICARILLA 103	13	INA
NM	RIO ARRIBA	MESAVERDE	20C 26N 4W	MERIDIAN OIL INC	JICARILLA 103	13	ACT
NM	RIO ARRIBA	DAKOTA	20M 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6Y	ACT
NM	RIO ARRIBA	MESAVERDE	20M 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6Y	ACT
NM	RIO ARRIBA	DAKOTA	20O 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6M	ACT
NM	RIO ARRIBA	MESAVERDE	20O 26N 4W	MERIDIAN OIL INC	JICARILLA 103	6M	ACT

Exhibit E

Offset Operators

State	County	Reservoir	Location	Operator	Lease Name	Well	Status
NM	RIO ARRIBA	DAKOTA	27L 26N 4W	MERIDIAN OIL INC	JICARILLA F	1	INA
NM	RIO ARRIBA	MESAVERDE	27A 26N 4W	MERIDIAN OIL INC	JICARILLA F	3	ACT
NM	RIO ARRIBA	MESAVERDE	27L 26N 4W	MERIDIAN OIL INC	JICARILLA F	1	INA
NM	RIO ARRIBA	DAKOTA	28K 26N 4W	MERIDIAN OIL INC	JICARILLA F	7	INA
NM	RIO ARRIBA	MESAVERDE	28K 26N 4W	MERIDIAN OIL INC	JICARILLA F	7	ACT
NM	RIO ARRIBA	DAKOTA	29D 26N 4W	NASSAU RESOURCES INC	JICARILLA	5	INA
NM	RIO ARRIBA	DAKOTA	29L 26N 4W	MCHUGH JEROME P & ASSOC	JICARILLA	6	INA
NM	RIO ARRIBA	DAKOTA	29L 26N 4W	NORTHWEST PROD CORP	JICARILLA 120 C	2	P&A
NM	RIO ARRIBA	MESAVERDE	29L 26N 4W	NORTHWEST PROD CORP	JICARILLA 120 C	2	P&A
NM	RIO ARRIBA	MESAVERDE	34L 26N 4W	MERIDIAN OIL INC	JICARILLA F	6	ACT
NM	RIO ARRIBA	DAKOTA	34L 26N 4W	SUPRON ENERGY CORP	JICARILLA F	6	INA