



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GARREY CARPENTERS
GOVERNOR

6-12-87

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

AHC 657

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Conoco Inc. SEMU #100-N 20-20-38
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton

Jerry Sexton
Supervisor, District 1

/ed



R. E. Ireland
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141

April 30, 1987

New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Application to Downhole Commingle SEMU No. 100 Unit Letter N, Section 20, T-20S, R-38E and SEMU No. 104 Unit Letter K, Section 20, T-20S, R-38E, Lea County, New Mexico.

Conoco respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Warren Tubb Oil and the Blinebry Oil and Gas Pools in SEMU NO. 100 (N-20-20-38) and SEMU No. 104 (K-20-20-38).

Attached you will find all pertinent information concerning this application. Exhibit 1 contains the well locations, proposed production allocation factors, and the value of commingled production. Also attached are:

1. A Lease Plat
2. C-116's showing recent production tests
3. Decline curves for both wells

Please note that Blinebry production from Well No. 104 has declined from the reported 26 BOPD. Well tests from February to April of this year indicate the well currently produces 8 BOPD from the Blinebry and approximately 26 BOPD from the Tubb Pool.

No bottom hole pressures exist for either SEMU No. 100 or No. 104. However, the northeast diagonal offset to SEMU No. 104, the Burger B-20 No. 2, has already been downhole commingled in the Blinebry and Tubb. In August, 1986 pressures in this well were estimated as follows:

<u>Formation</u>	<u>Pressure corrected to 6581'</u>
Blinebry	627 psi
Tubb	791 psi

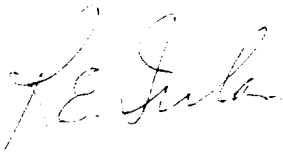
Additionally, two locations east of SEMU No. 100 is the Warren Unit No. 62. This well is already downhole commingled in the Blinebry and Tubb. Due to similar structural position and performance, the pressures in Burger B-20 No. 2 are considered to be a reasonable estimate of the bottomhole pressures in SEMU Nos. 100 and 104.

Our experience with other Blinebry/Tubb downhole commingled wells would indicate that the produced fluids are compatible in the wellbore. No increase in scale or precipitate related problems has been noted. However, as has been done in the past, the formations will be chemically inhibited to prevent any scale related problems.

SEMU Nos. 100 & 104--page 2

By copy of this letter we are notifying the BLM and all offset operators (see attached Address List).

Yours truly,

A handwritten signature in cursive script, appearing to read "J.E. Smith".

SDA:atm

cc: JEP, PAB, ELK, SDA, File

Address List

Amerada Hess
P.O. Box 840
Seminole, TX 79360

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM 88220

R. E. Irelan
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141

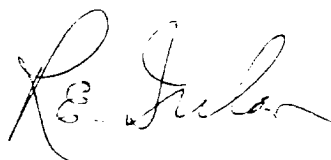
April 30, 1987

Amerada Hess
P.O. Box 840
Seminole, Texas 79360

Gentlemen:

Enclosed for your information is a copy of Conoco's application to downhole commingle the Warren Tubb Oil zone with the Blinbry Oil and Gas zone in SEMU Nos. 100 and 104.

Yours truly,



SDA:atm



R. E. Irelan
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
(505) 393-4141

April 30, 1987

Bureau of Land Management
P.O. Box 1778
Carlsbad, New Mexico 88220

Gentlemen:

By the attached copy of our application to the New Mexico Oil Conservation Division, we are requesting your approval of our proposal to downhole commingle production from the Warren Tubb Oil zone with the production from the Blinbry Oil and Gas zone in SEMU Nos. 100 and 104.

Yours truly,

SDA:atm

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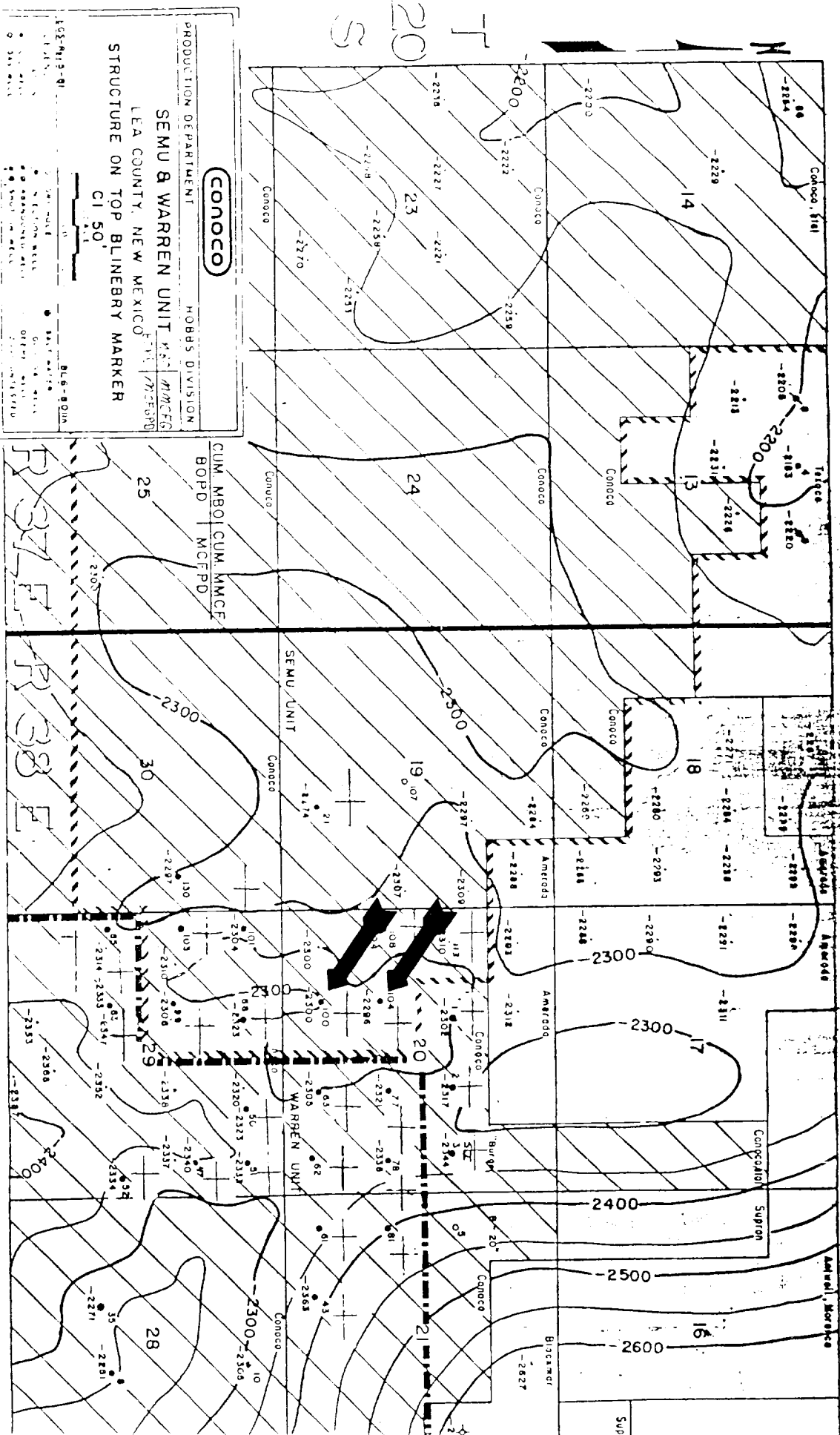


Exhibit 1

1. Operator: Conoco, Inc.
P.O. Box 460
726 East Michigan
Hobbs, NM 88240
2. Lease Name: South East Monument Unit
3. Well Number: 100 and 104
4. Locations: No. 100--760' FSL and 1650' FWL, Sec. 20, T-20S, R-38E
No. 104--1980' FSL and 1650' FWL, Sec. 20, T-20S, R-38E
5. Pools: Blinebry Oil and Gas Pool
Warren Tubb Oil Pool
6. Allocation Factors:

Based on Decline Curves
Percent of Total Production

No. 100	Oil	Gas
Blinebry	<u>43</u>	<u>62</u>
Tubb	57	38
No. 104		
Blinebry	24	75
Tubb	76	25

7. Value of Production:

The oil produced from the Blinebry and Tubb in both wells is sweet crude of approximately 45° API. As such the value is essentially the same. The value of the gas is identical.

88240

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

(_____) (Date)

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HOBBS OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C 1116
Revised 11 1 65

Operator		Pool		County		LEA									
CONOCO, INC.		WARREN TUBB OIL													
Address		TYPE OF TEST (X)		SCHEDULED		Special									
P. O. BOX 460, HOBBS, NEW MEXICO 88240															
WELL NO	LEASE NAME	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	IBG PRESS	DAILY ALLOWABLE	LENGTH OF TEST HOURS	Completion				GAS-OIL RATIO CU FT / BBL
		U	S	T							R	WATER BBL'S	PROD. GRAV. OIL	OIL BBL'S	
1	BURGER B-20	F	20	20S	38E	07-21-86	P			24	1	41.3	15	0	0
2	BURGER B-20	G	20	20S	38E	07-05-86	P			24	1	41.3	27	0	0
3	BURGER B-20	H	20	20S	38E	SHUT-IN				0	0	0.0	0	0	0
100	SEMU TUBB A	N	20	20S	38E	07-08-86	P			24	1	46.2	14	67	4786
104	SEMU TUBB A	K	20	20S	38E	07-14-86	P			24	4	46.2	30	92	3067
113	SEMU TUBB A	E	20	20S	38E	07-19-86	P			24	3	46.2	24	119	4958

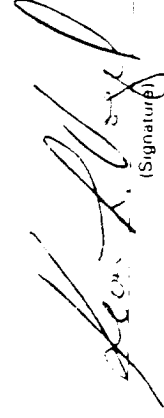
No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that the well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60°F. Specific gravity base will be 0.60. Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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


(Signature)

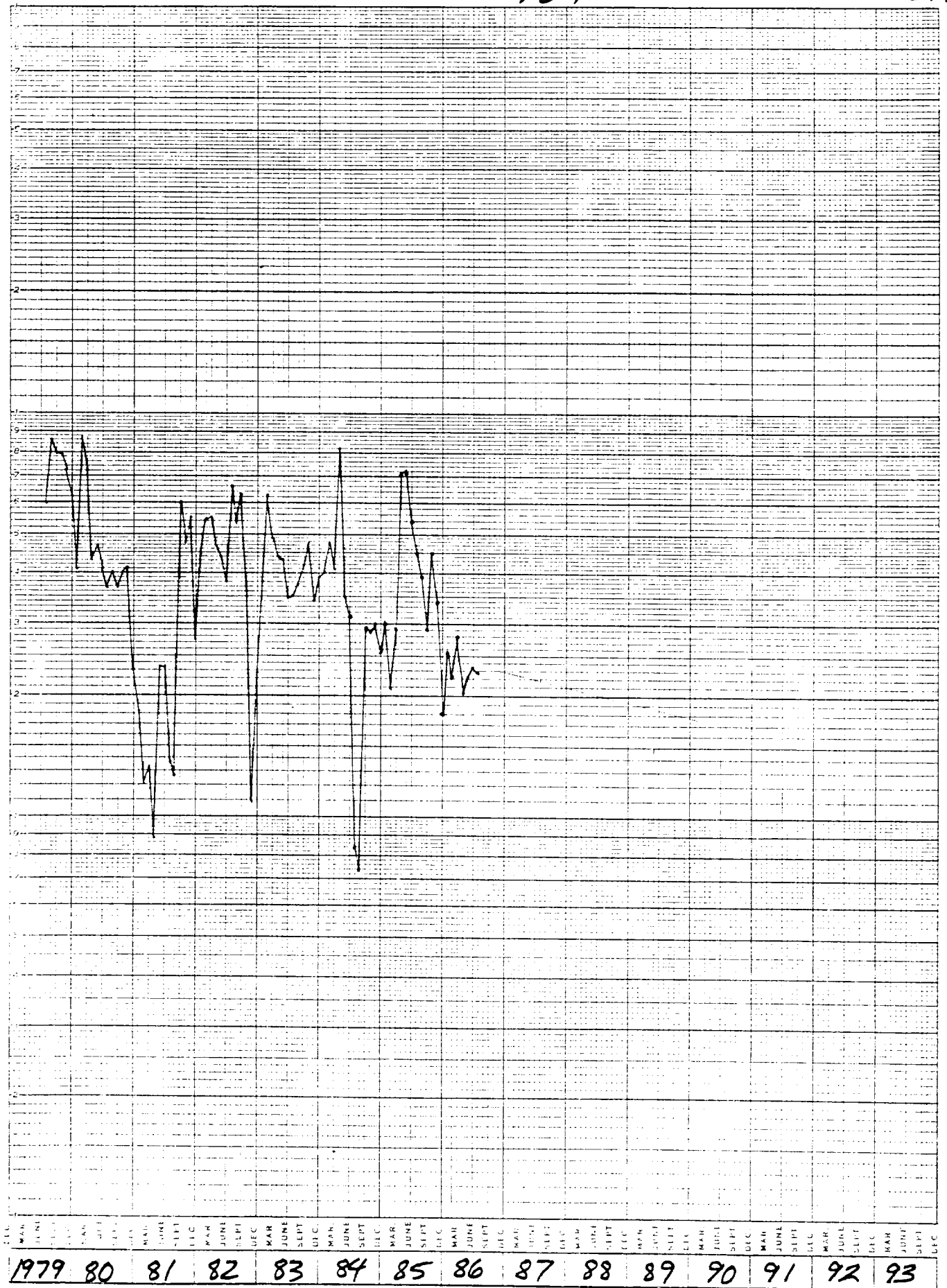
ADMINISTRATIVE SUPERVISOR

(Title)

06-AUG-86

(Date)

Blincher,



SEMU #104

Blinebr,

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GRAPH PAPER 60

10000

DEC 1979 JAN 80 FEB 80 MAR 80 APR 80 MAY 80 JUN 80 JUL 80 AUG 80 SEPT 80 OCT 80 NOV 80 DEC 80 JAN 81 FEB 81 MAR 81 APR 81 MAY 81 JUN 81 JUL 81 AUG 81 SEPT 81 OCT 81 NOV 81 DEC 81 JAN 82 FEB 82 MAR 82 APR 82 MAY 82 JUN 82 JUL 82 AUG 82 SEPT 82 OCT 82 NOV 82 DEC 82 JAN 83 FEB 83 MAR 83 APR 83 MAY 83 JUN 83 JUL 83 AUG 83 SEPT 83 OCT 83 NOV 83 DEC 83 JAN 84 FEB 84 MAR 84 APR 84 MAY 84 JUN 84 JUL 84 AUG 84 SEPT 84 OCT 84 NOV 84 DEC 84 JAN 85 FEB 85 MAR 85 APR 85 MAY 85 JUN 85 JUL 85 AUG 85 SEPT 85 OCT 85 NOV 85 DEC 85 JAN 86 FEB 86 MAR 86 APR 86 MAY 86 JUN 86 JUL 86 AUG 86 SEPT 86 OCT 86 NOV 86 DEC 86 JAN 87 FEB 87 MAR 87 APR 87 MAY 87 JUN 87 JUL 87 AUG 87 SEPT 87 OCT 87 NOV 87 DEC 87 JAN 88 FEB 88 MAR 88 APR 88 MAY 88 JUN 88 JUL 88 AUG 88 SEPT 88 OCT 88 NOV 88 DEC 88 JAN 89 FEB 89 MAR 89 APR 89 MAY 89 JUN 89 JUL 89 AUG 89 SEPT 89 OCT 89 NOV 89 DEC 89 JAN 90 FEB 90 MAR 90 APR 90 MAY 90 JUN 90 JUL 90 AUG 90 SEPT 90 OCT 90 NOV 90 DEC 90 JAN 91 FEB 91 MAR 91 APR 91 MAY 91 JUN 91 JUL 91 AUG 91 SEPT 91 OCT 91 NOV 91 DEC 91 JAN 92 FEB 92 MAR 92 APR 92 MAY 92 JUN 92 JUL 92 AUG 92 SEPT 92 OCT 92 NOV 92 DEC 92 JAN 93 FEB 93 MAR 93 APR 93 MAY 93 JUN 93 JUL 93 AUG 93 SEPT 93 OCT 93 NOV 93 DEC 93

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HOBBS OFFICE

SEMU #104

Tubb

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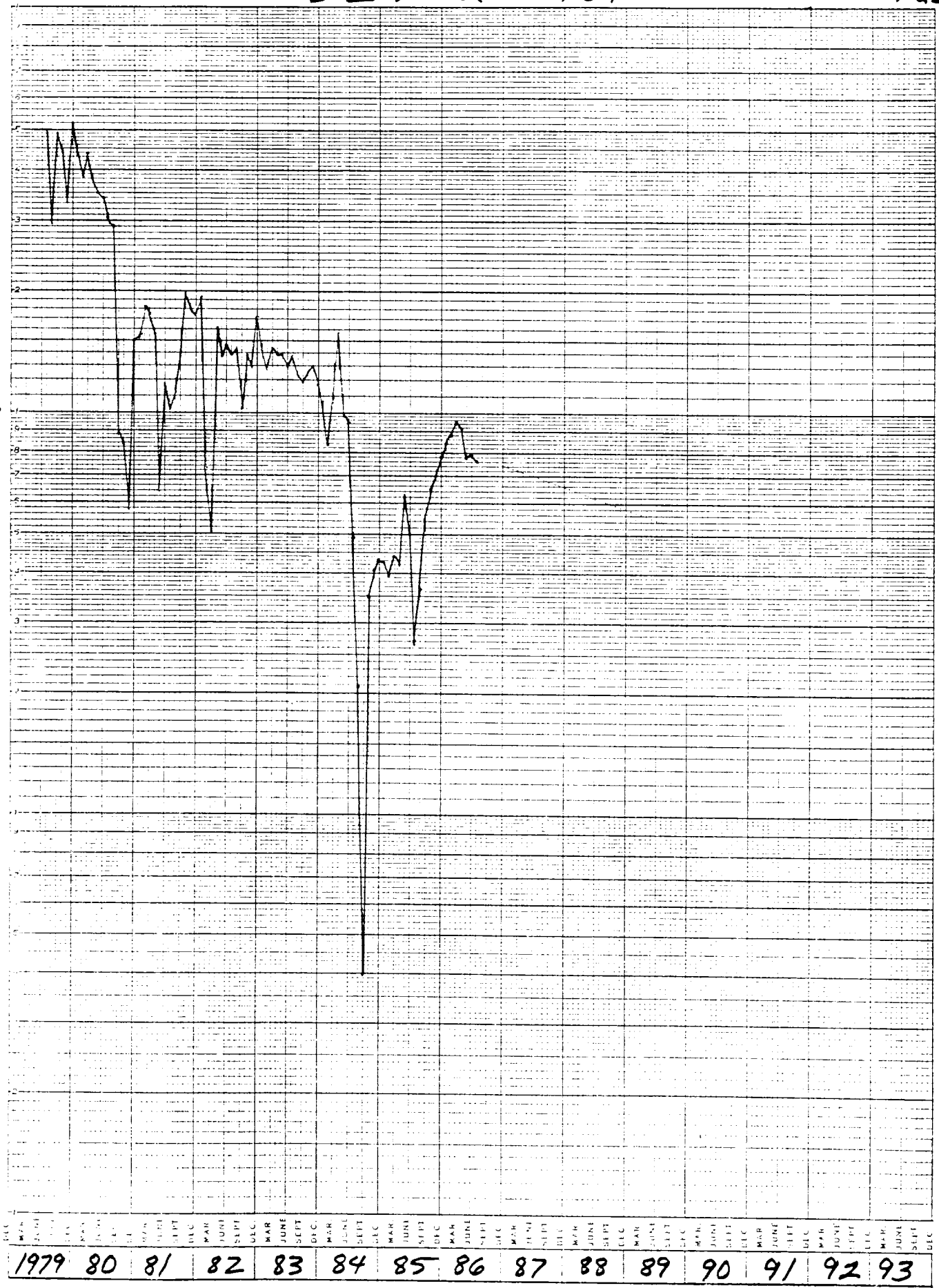
GRAPH PAPER 40

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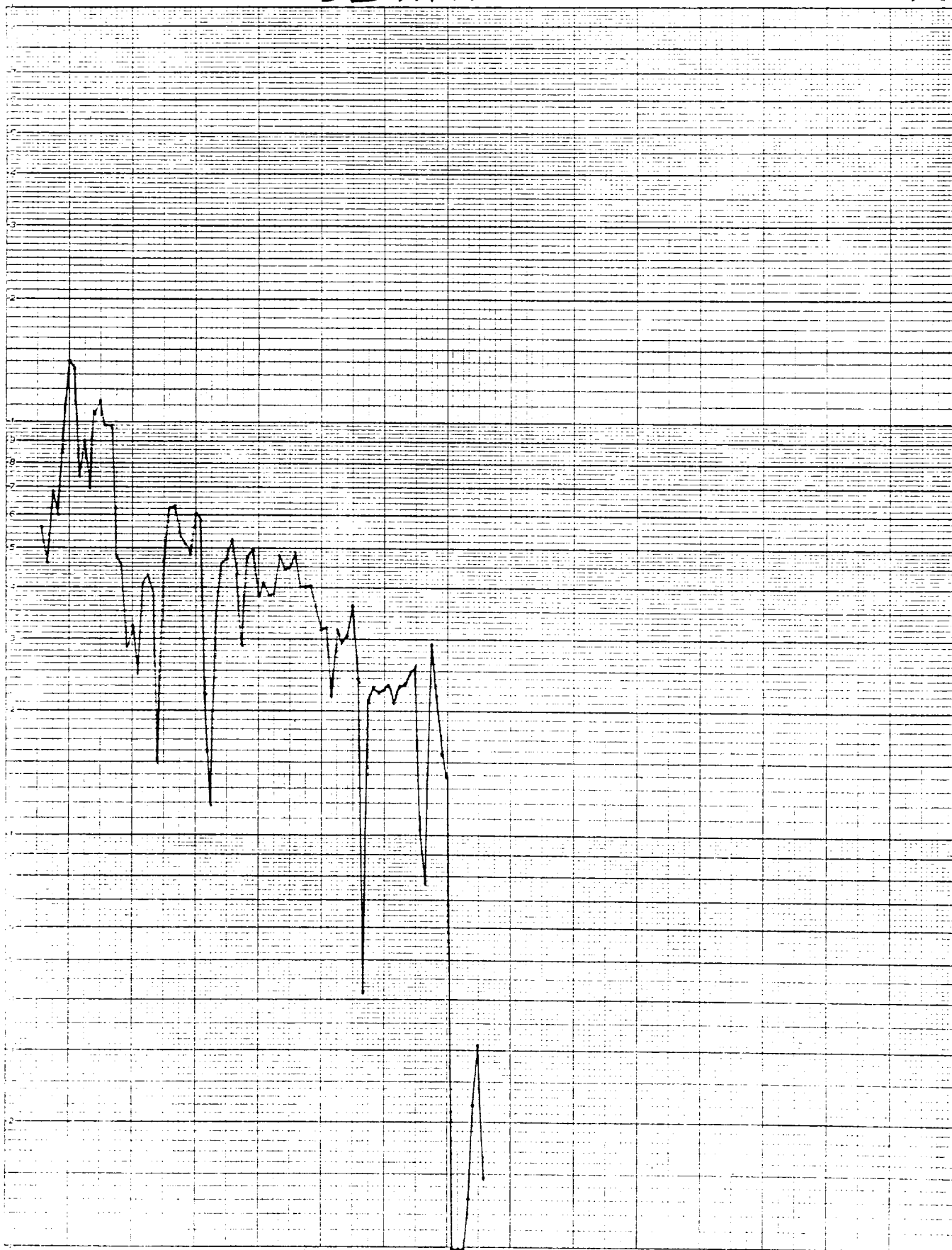
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SEMU #104

Tubb

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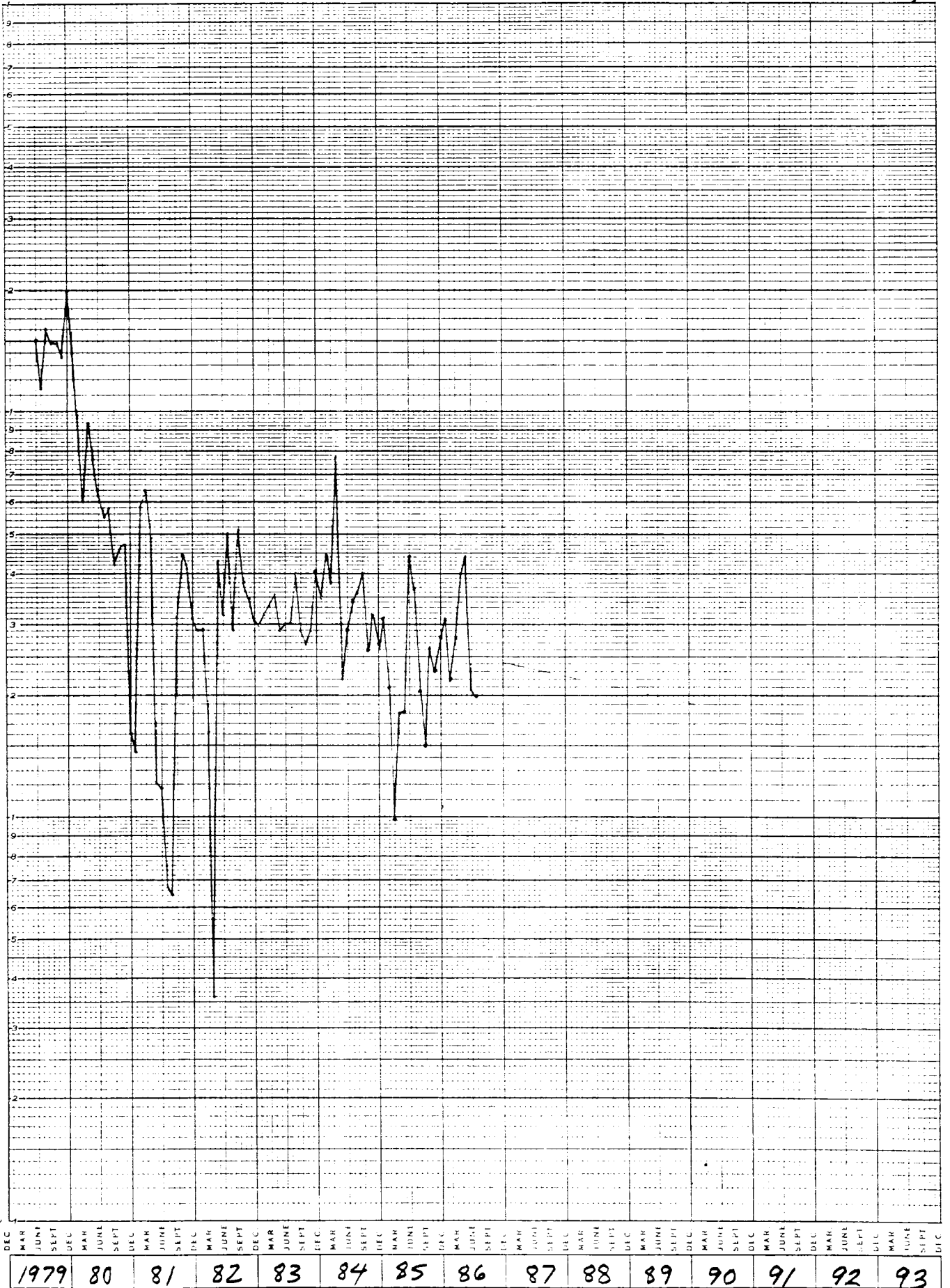


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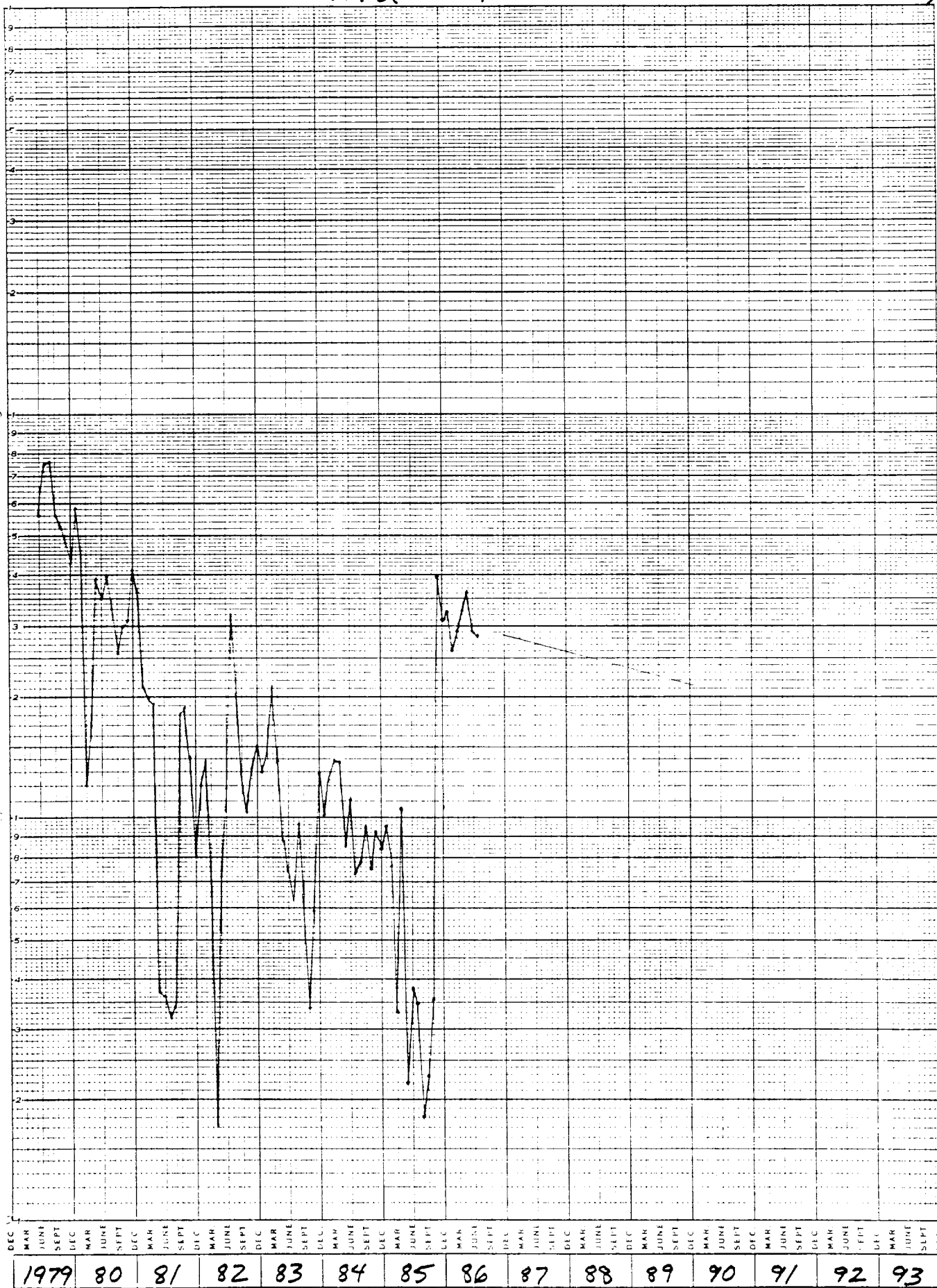
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SEMU #100

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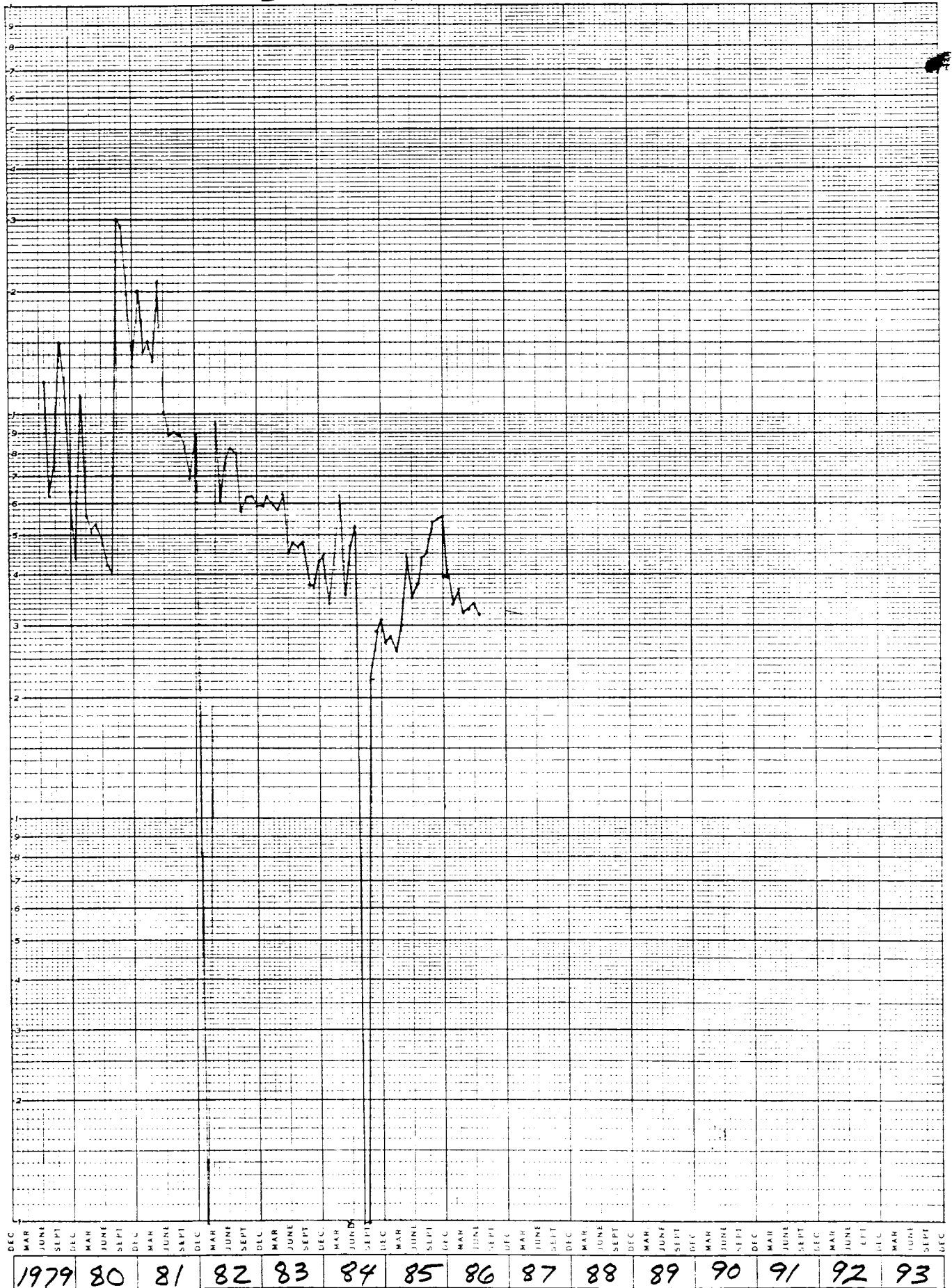
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