



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

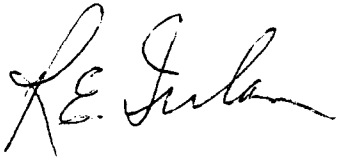
Additionally, two locations east of SEMU No. 100 is the Warren Unit No. 62. This well is already downhole commingled in the Blinebry and Tubb. Due to similar structural position and performance, the pressures in Burger B-20 No. 2 are considered to be a reasonable estimate of the bottomhole pressures 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 "R.E. Julian". The signature is written in dark ink and is positioned above the typed name "R.E. Julian".

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 Blinebry Oil and Gas zone in SEMU Nos. 100 and 104.

Yours truly,

SDA:atm

R. E. Irelan
Division Manager
Production Department
Hobbs Division
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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 Blinebry Oil and Gas zone in SEMU Nos. 100 and 104.

Yours truly,



SDA:atm

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.

Operator		Pool		County		LEA															
Address		TYPE OF TEST - (X)		SCHEDULED ☒		COMPLETION ☐		Special ☐													
LEASE NAME		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TBG. PRESS		DAILY ALLOW. ABLE		LENGTH OF TEST HOURS		WATER BBLs.		PROD. DURING TEST		GAS-OIL RATIO CU FT./BBL.	
				U	S	T	R														
SEMU BLINEBRY	99	F	29	20S	38E			07-06-86	P					24	6	44.3	15	67	4467		
SEMU BLINEBRY	100	N	20	20S	38E			08-24-86	P					24	7	44.3	16	44	2750		
SEMU BLINEBRY	101	D	29	20S	38E			08-16-86	P					24	4	44.3	8	40	5000		
SEMU BLINEBRY	103	E	29	20S	38E			08-17-86	P					24	1	44.3	10	80	8000		
SEMU BLINEBRY	104	K	20	20S	38E			08-18-86	P					24	2	44.3	26	180	6923		
SEMU BURGER	21	O	19	20S	38E			08-02-86	P					24	32	40.1	24	74	3083		
R-4913	BLINEBRY OIL & GAS							67.0% GAS									16	50			
R-4913	SKAGGS DRINKARD							33.0% GAS									8	24			
								100.0% GAS									24	74			

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.

Ken H. Wood

(Signature)

ADMINISTRATIVE SUPERVISOR

(Title)

08-OCT-86

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		LEA								
CONOCO, INC.		WARREN TUBB OIL												
Address		TYPE OF TEST - (X)		SCHEDULED		Completion								
P. O. BOX 460, HOBBS, NEW MEXICO 88240														
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	T.B.G. PRESS	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS M.C.F.	GAS-OIL RATIO CU.FT./BBL.
		U	S	T						R	WATER BBL.	GRAV. OIL		
BURGER B-20	1	F	20	20S	38E	07-21-86	P		24	1	41.3	15	0	0
BURGER B-20	2	G	20	20S	38E	07-05-86	P		24	1	41.3	27	0	0
BURGER B-20	3	H	20	20S	38E	SHUT-IN			0	0	0.0	0	0	0
SEMU TUBB A	100	N	20	20S	38E	07-08-86	P		24	1	46.2	14	67	4786
SEMU TUBB A	104	K	20	20S	38E	07-14-86	P		24	4	46.2	30	92	3067
SEMU TUBB A	113	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.

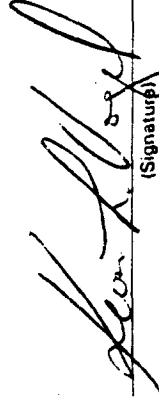
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Report casing pressure in lieu of tubing pressure for any well producing through casing.

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)

SEMU #104

Blanch

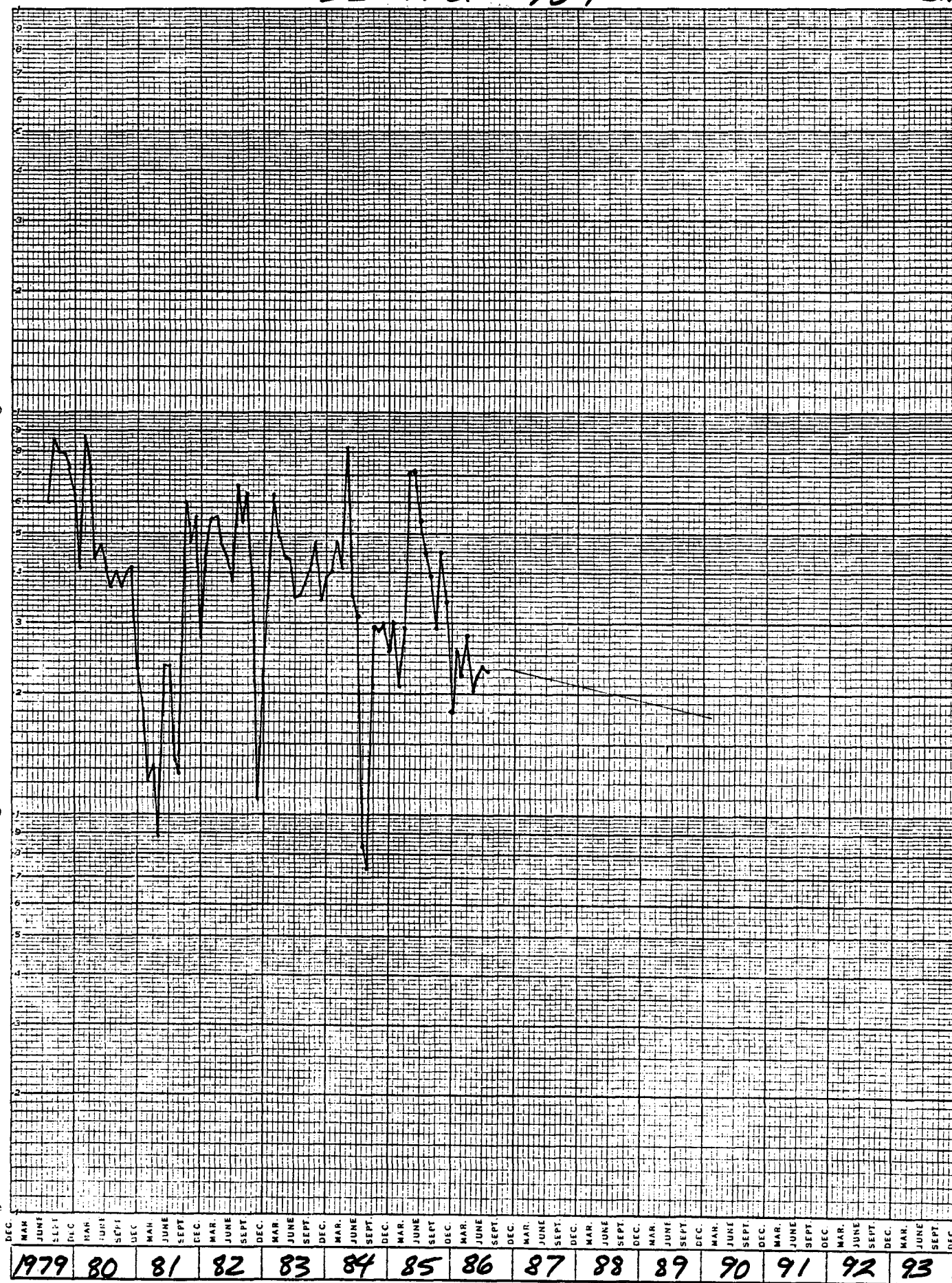
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GRAPH PAPER

20PM

1000

100



SEMU #104

Bluebird

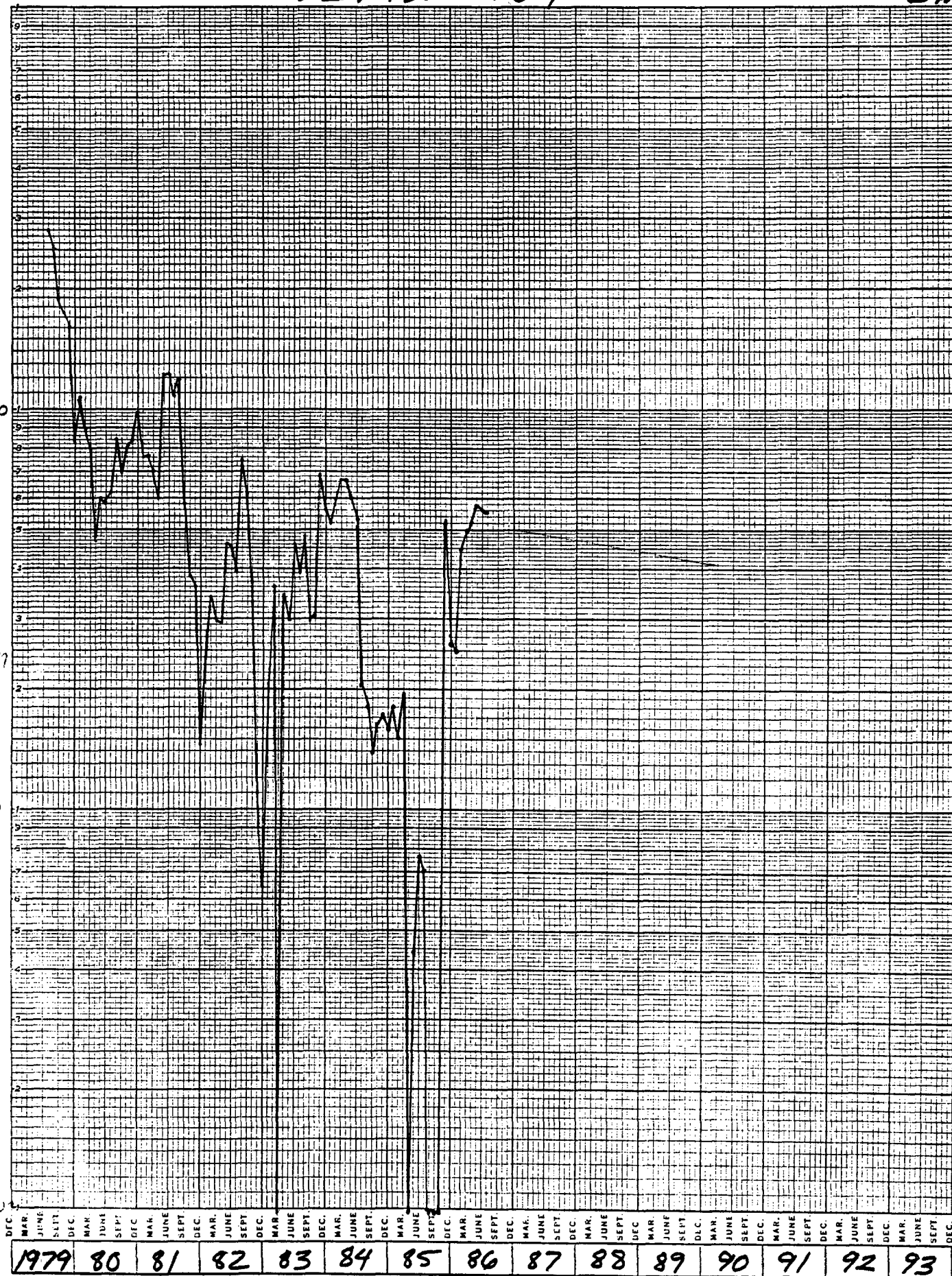
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GRAPH PAPER

MC = GPM

10000

1000



SEMU #104

Tubb

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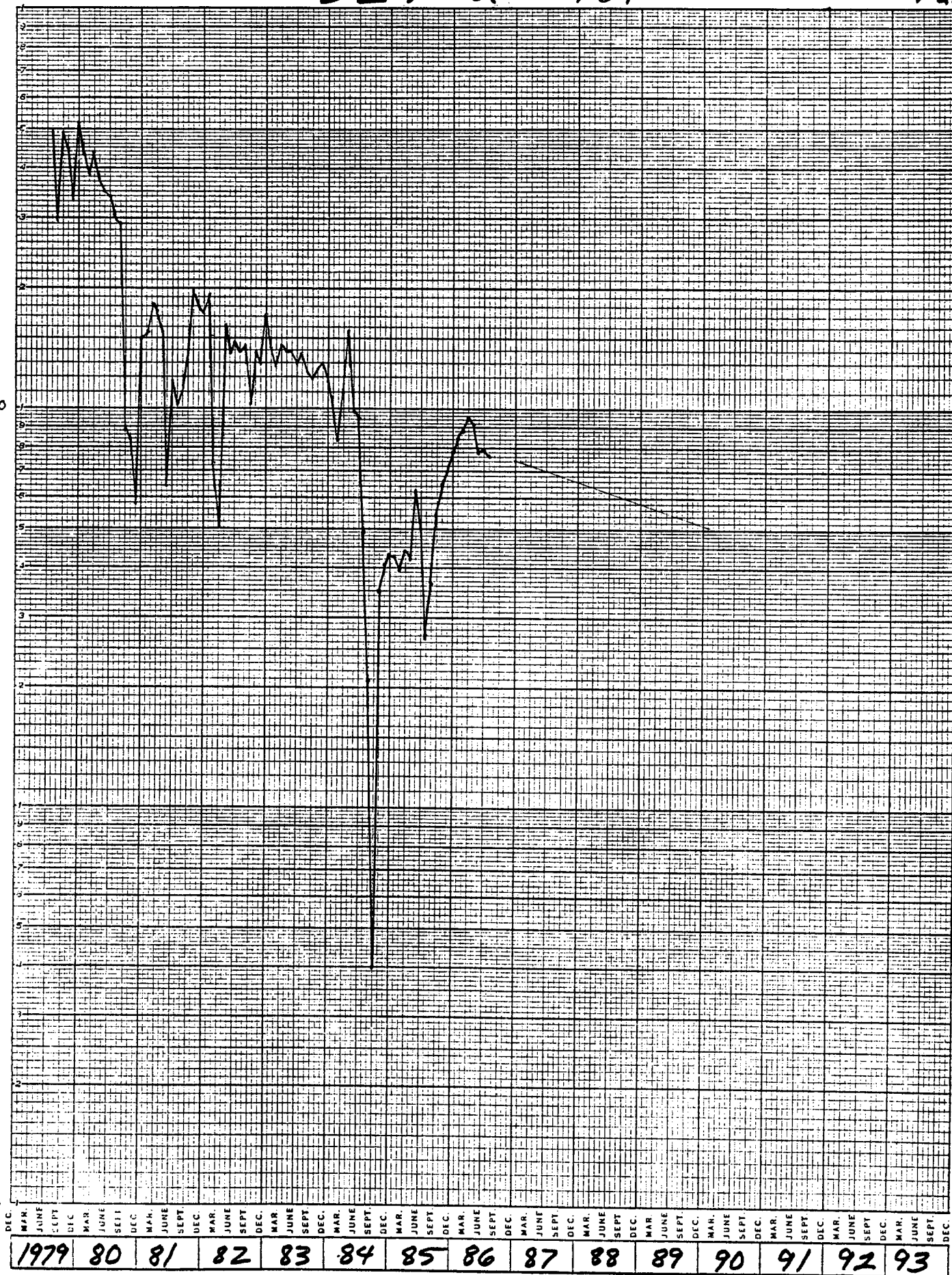
GRAPH PAPER

BOPM

1000

100

10



SEMU #104

Tubb

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GRAPH PAPER

WCFGP/III

10000

1000

100

