

3554



COMMERCIAL RESOURCES  
(505)-827-5724

SURFACE RESOURCES  
(505)-827-5793

MINERAL RESOURCES  
(505)-827-5744

ROYALTY  
(505)-827-5772

**State of New Mexico  
Commissioner of Public Lands**

**Ray Powell, M.S., D.V.M.**  
310 Old Santa Fe Trail, P. O. Box 1148  
Santa Fe, New Mexico 87504-1148  
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS  
(505)-827-5765

ADMINISTRATIVE MGMT.  
(505)-827-5700

LEGAL  
(505)-827-5713

PLANNING  
(505)-827-5752

July 9, 1997

Southwest Royalties Inc.  
P.O. Box 11390  
Midland, Texas 79702-8390

Attn: Mr. Randy Howard

Re: Resignation/Designation of Successor Unit Operator  
Flying M San Andres Unit  
Lea County, New Mexico

Dear Mr. Howard:

We are in receipt of your resignations/designations of successor unit operator, wherein Coastal Oil and Gas Corporation has resigned as unit operator of the Flying M San Andres Unit and designated Apache Corporation as the successor unit operator. We have also received a resignation from Apache Corporation and the designation of Southwest Royalties Inc. as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Coastal Oil and Gas Corporation and Apache Corporation and the designation of Southwest Royalties Inc. as the successor unit operator of this unit.

This change in operators is effective February 27, 1997. In accordance with this approval, Southwest Royalties Inc. is now responsible for all operations and the reporting of all production from the unit.

Our approval is subject to like approval by the Bureau of Land Management.



3554

State of New Mexico  
Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760  
FAX (505) 827-5766

RAY POWELL, M.S., D.V.M.  
COMMISSIONER

SLO REF NO. OG-1364

March 21, 1994

Coastal Oil & Gas Corporation  
North Park Executive Center  
731 W. Wadley  
Building K  
P.O. Box 235  
Midland, Texas 79702-0235

Attn: Mr. Bobby L. Smith

Re: 1994 Plan of Development  
Flying "M" San Andres Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*

FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

RBP/FOP/pm  
cc: OCD-Roy Johnson  
BLM



**Coastal**  
The Energy People

March 1, 1994

D-unit letter  
Th<sup>u</sup> Ry

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

Re: 1994 Plan of Operations  
Flying "M" (SA) Unit

Gentlemen:

Please find attached the 1994 Plan of Operations for the Coastal operated Flying "M" (SA) Unit, located in Lea County, New Mexico. This is a secondary recovery project in the Flying "M" (SA) Field. This Plan of Operations consists of an updated unit map showing the status of existing wells, individual well production curves and a Unit Total curve.

Coastal has no proposed drilling activity for 1994. We are currently in the process of working over three wells (copies of the C-103's filed with the OCD are attached). These are the Tract 24-1, Tract 24-2 and Tract 34-1. There are no current plans for additional workovers in 1994, however, sudden drops in production or injection rates, or increases in oil prices could result in workover possibilities. The current net oil price for this low gravity, sour crude is approximately \$10.00 per barrel. This low price, coupled with high operating expenses normally associated with a waterflood, severely curtail operating revenue for this project.

During the past year (1993), there was no drilling activity and no wells converted to injection. We did revamp one tank battery, our battery #3 (NE/4 of Section 29) due to its deteriorating condition.

Production from the Flying "M" (SA) Unit in 1993 was 73.3 MBO + 1,277 MBW + 33.5 MMCF. This represents a 3.2% decline from 1992 oil production. Cumulative production through 1993 is now 4,628,209 BO + 62,705,624 BW + 1,569,462 MCF.

Following is a list of proposed activities to be conducted on Flying "M" Unit wells in 1994:

1. FMU 24-1: Add perfs 4342-46', 4348-52', 4399-4405', 4407-12'. Acidize new and old perfs, return to production.
2. FMU 24-2: Add perfs 4422-26'. Acidize new and old perfs. Return well to production.

**Coastal Oil & Gas Corporation**

HEADQUARTERS OF THE COASTAL CORPORATION  
NORTH PARK EXCELLENCE CENTER • 731 N. WADLEY • BLDG K • STE 200 • P.O. BOX 235 • MIDLAND TX 79702-0235 • 915 682-7925

1994 Plan of Operations  
March 1, 1994  
Page Two

3. FMU 34-1: Add perfs 4399-4405'. Acidize new and old perfs. Return well to production.
4. FMU 25-4: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
5. FMU 9-3: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
6. FMU 13-4: P&A well.
7. FMU 14-4: P&A well.
8. FMU 30-9: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
9. FMU 5-3: P&A or temporarily abandon well.

This 1994 Plan of Operations is being sent to all W.I. Owners, the Commissioner of Public Lands, the Bureau of Land Management and the New Mexico Oil Conservation Division, as prescribed by the Unit Agreement.

Respectfully submitted,

*Bobby L. Smith*

Bobby L. Smith  
Sr. Petroleum Engineer

BLS:ljr  
Attachments





**Coastal**  
The Energy People

THE HONORABLE JUDGE J. J. COY

1994

1994

*D-Unit letter*  
*Thx Ry*

March 1, 1994

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

Re: 1994 Plan of Operations  
Flying "M" (SA) Unit

Gentlemen:

Please find attached the 1994 Plan of Operations for the Coastal operated Flying "M" (SA) Unit, located in Lea County, New Mexico. This is a secondary recovery project in the Flying "M" (SA) Field. This Plan of Operations consists of an updated unit map showing the status of existing wells, individual well production curves and a Unit Total curve.

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During the past year (1993), there was no drilling activity and no wells converted to injection. We did revamp one tank battery, our battery #3 (NE/4 of Section 29) due to its deteriorating condition.

Production from the Flying "M" (SA) Unit in 1993 was 73.3 MBO + 1,277 MBW + 33.5 MMCF. This represents a 3.2% decline from 1992 oil production. Cumulative production through 1993 is now 4,628,209 BO + 62,705,624 BW + 1,569,462 MCF.

Following is a list of proposed activities to be conducted on Flying "M" Unit wells in 1994:

1. FMU 24-1: Add perfs 4342-46', 4348-52', 4399-4405', 4407-12'. Acidize new and old perfs, return to production.
2. FMU 24-2: Add perfs 4422-26'. Acidize new and old perfs. Return well to production.

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION  
CONVIT PARK EXECUTIVE CENTER • 731 W WADLEY • BLDG K • STE 200 • P.O. BOX 235 • MIDLAND TX 79702-0235 • 915/682-7925

1994 Plan of Operations  
March 1, 1994  
Page Two

3. FMU 34-1: Add perfs 4399-4405'. Acidize new and old perfs. Return well to production.
4. FMU 25-4: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
5. FMU 9-3: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
6. FMU 13-4: P&A well.
7. FMU 14-4: P&A well.
8. FMU 30-9: Set bridge plug above perfs, pressure test casing, temporarily abandon well.
9. FMU 5-3: P&A or temporarily abandon well.

This 1994 Plan of Operations is being sent to all W.I. Owners, the Commissioner of Public Lands, the Bureau of Land Management and the New Mexico Oil Conservation Division, as prescribed by the Unit Agreement.

Respectfully submitted,

*Bobby L. Smith*

Bobby L. Smith  
Sr. Petroleum Engineer

BLS:ljr  
Attachments

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

WELL API NO.

30-025-22176

5. Indicate Type of Lease

STATE ☒FEE ☒

6. State Oil &amp; Gas Lease No.

NM 05812

FEB 23 1994

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☒GAS  
WELL ☐

OTHER

2. Name of Operator

Coastal Oil &amp; Gas Corporation

3. Address of Operator

P.O. Box 235, Midland, Texas 79702

7. Lease Name or Unit Agreement Name

Flying "M" (SA) Unit  
Tract 34

8. Well No.

1

9. Pool name or Wildcat

Flying "M" (SA)

4. Well Location

Unit Letter L : 2111 Feet From The South Line and 796 Feet From The West LineSection 29 Township 9-S Range 33-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4352' Gr

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. POOH with rods and tbg.

2. Add San Andres perfs 4399-4405', 2 JSPF via casing gun.

3. Acidize perfs with 2600 gal 15% HCl.

4. Return well to production.

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

SIGNATURE

*Bobby L. Smith*

TITLE

Sr. Petroleum Engineer

DATE

2-17-94

TYPE OR PRINT NAME

Bobby L. Smith

TELEPHONE NO 915-682-7925

(This space for State Use)

ORIGINAL NOTED BY JERRY SEXTON

DISTRICT SUPERVISOR

APPROVED BY

TITLE

DATE

FEB 21 1994

CERTIFICATION OF APPROVAL, IF ANY

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

## OIL CONSERVATION DIVISION

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210P.O. Box 2088  
Santa Fe, New Mexico 87504-2088DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

FEB 23 1994

WELL API NO.

30-025-22192

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil &amp; Gas Lease No.

NM 05812

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

Flying "M" (SA) Unit  
Tract 24

1. Type of Well:

OIL  
WELL ☒GAS  
WELL ☐

OTHER

2. Name of Operator

Coastal Oil &amp; Gas Corporation

8. Well No.

2

3. Address of Operator

P. O. Box 235, Midland, Texas 79702

9. Pool name or Wildcat

Flying "M" (SA)

4. Well Location

Unit Letter N : 794 Feet From The South Line and 1857 Feet From The West LineSection 29 Township 9-S Range 33-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4334' Gr

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. POOH with rods and tbg.

2. Clean well out to 4450' (4-1/2" csg set at 4459').

3. Add SA perfs 4422-26', 2 JSPF with 3-1/8" casing gun.

4. Acidize perfs with 3000 gal 15% HCl.

5. Return well to production.

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

SIGNATURE

*Bobby L. Smith*

TITLE

Sr. Petroleum Engineer

DATE 2-17-94

TYPE OR PRINT NAME

Bobby L. Smith

TELEPHONE NO. 915-682-7925

(This space for State Use)

RECEIVED SIGNATURE BY JERRY SEXTON

APPROVED BY

MINERAL SUPERVISOR

TITLE

DATE

FEB 21 1994

CONDITIONS OF APPROVAL IF ANY

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL APT NO.

30-025-24692

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil &amp; Gas Lease No.

NM 05812

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

Flying "M" (SA) Unit  
Tract 24

1. Type of Well:

OIL

WELL ☒

GAS

WELL ☐

OTHER

2. Name of Operator

Coastal Oil &amp; Gas Corporation

3. Address of Operator

P. O. Box 235, Midland, Texas 79702

8. Well No.

1

9. Pool name or Wildcat

Flying "M" (SA)

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 1980 Feet From The West LineSection 29 Township 9-S Range 33-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4342' Gr

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. POOH with rods and tbgs.

2. Clean well out to 4440' (4-1/2" csg set at 4450').

3. Add San Andres perfs 4342-46', 4348-52', 4399-4405', and 4407-12'; 2 SPF via casing gun.

4. Acidize perfs with 4300 gal 15% HCl.

5. Return well to production.

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

SIGNATURE

*Bobby L. Smith*

TITLE

Sr. Petroleum Engineer

DATE

2-17-94

TYPE OR PRINT NAME

Bobby L. Smith

TELEPHONE NO 915-682-7925

(This space for State-Use) FINAL SIGNED BY JERRY SEXTON

SUPERVISOR

APPROVED BY

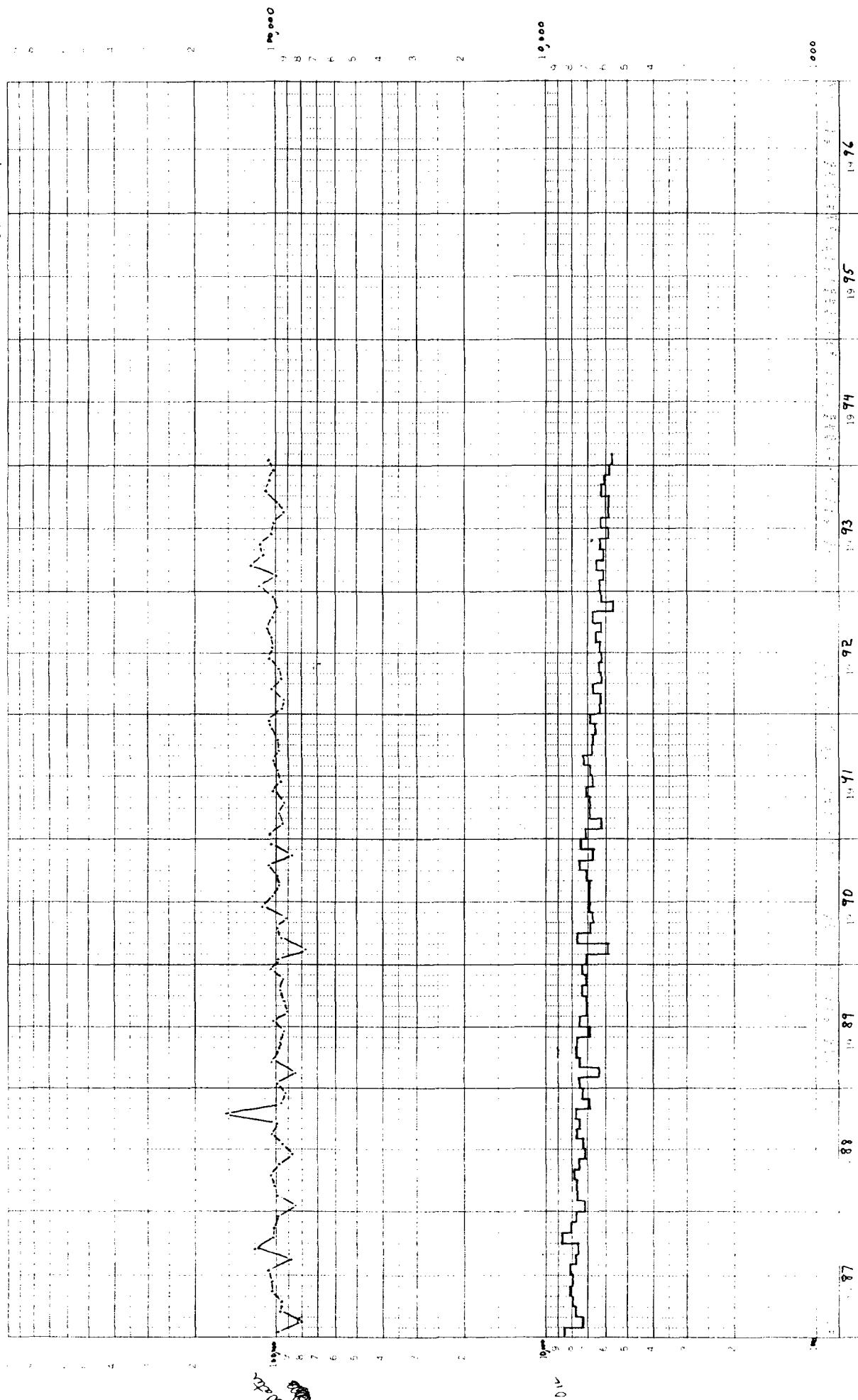
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DATE

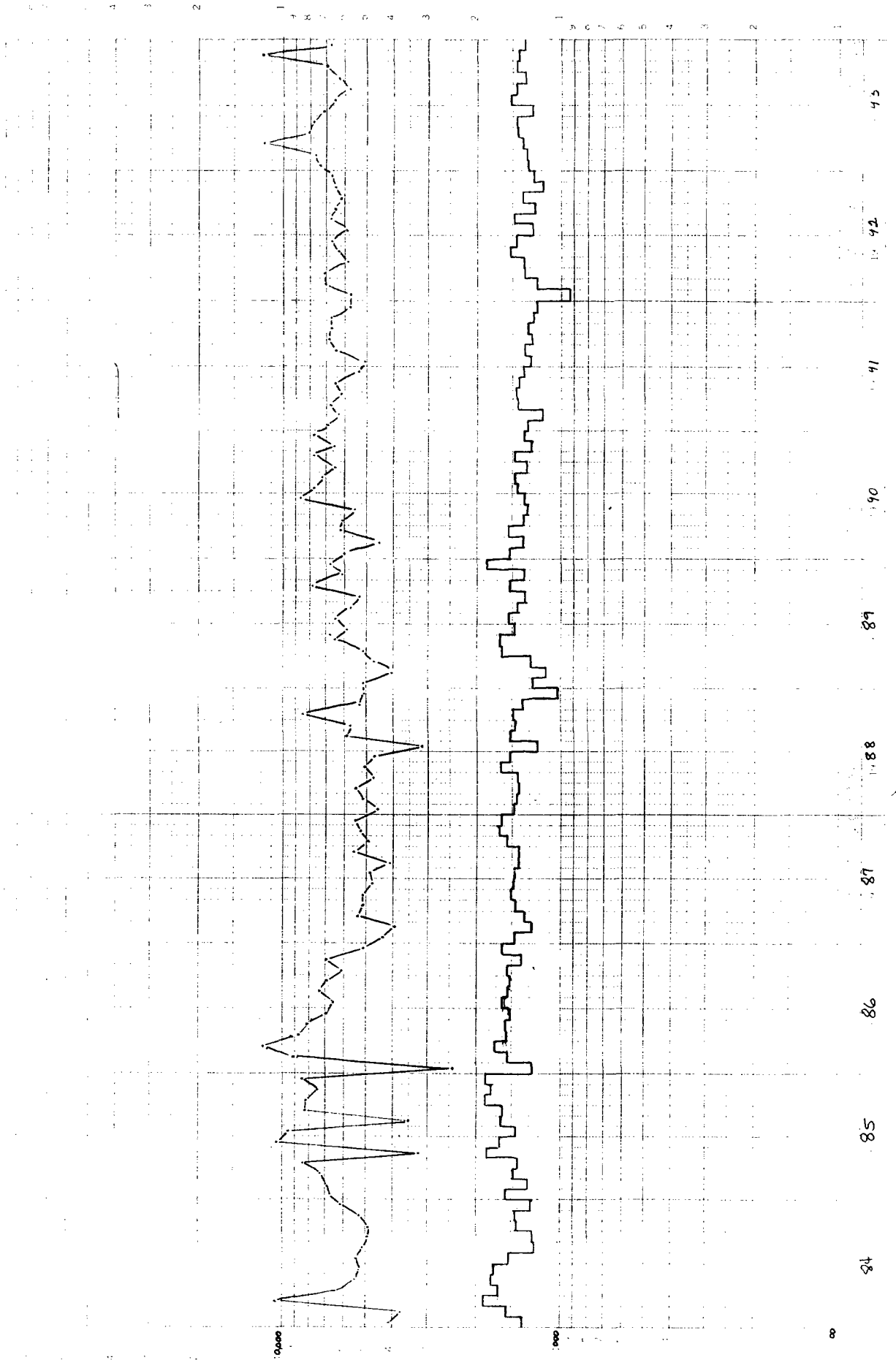
FEB 21 1994

COMMITTEE OF APPROVAL, IF ANY

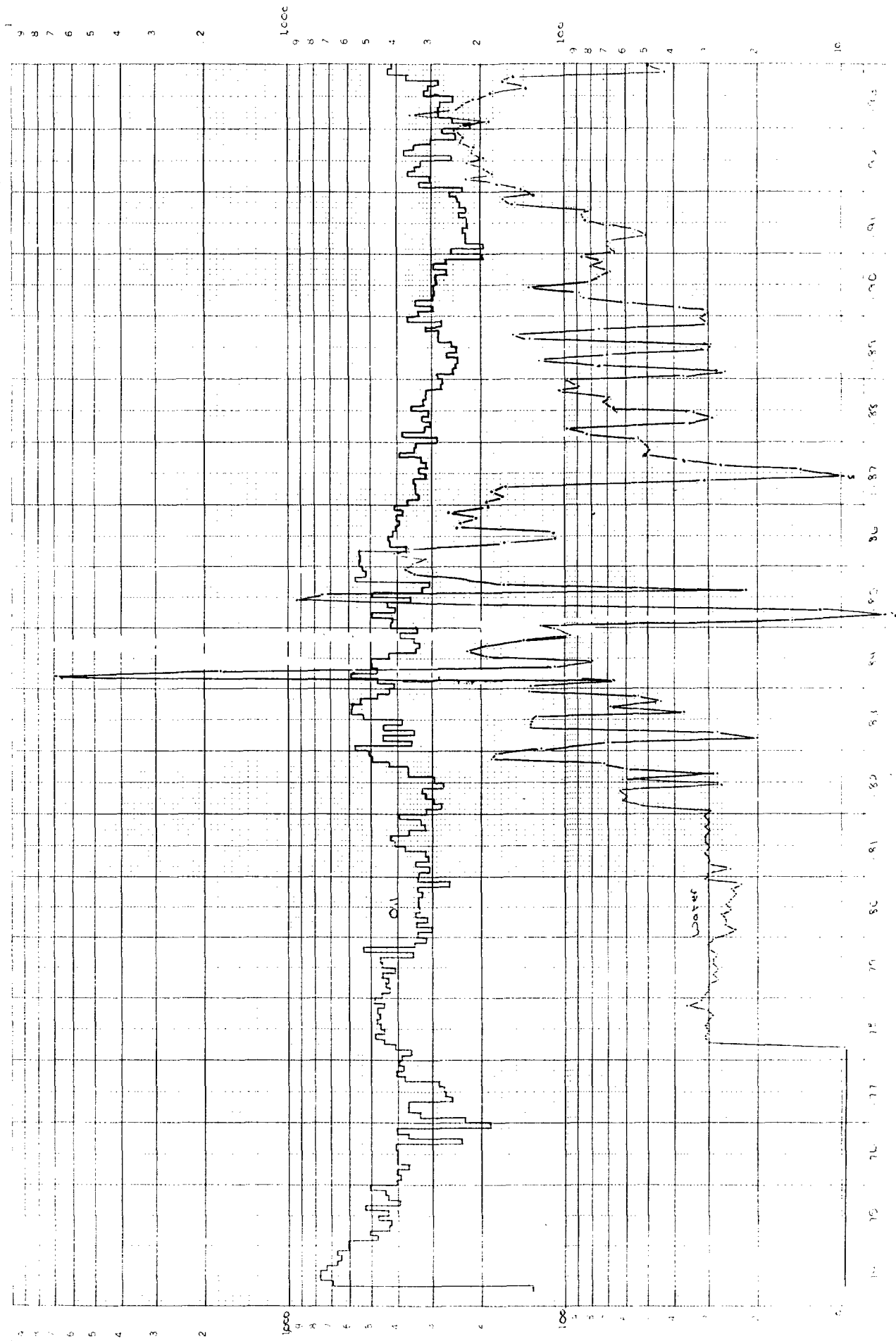
Flying "M" (San Andres)  
 Flying "M" Unit  
 Unit Total



FLYING "M" (San Andres)  
 FLYING "M" UNIT  
 TRACT 1A- Total

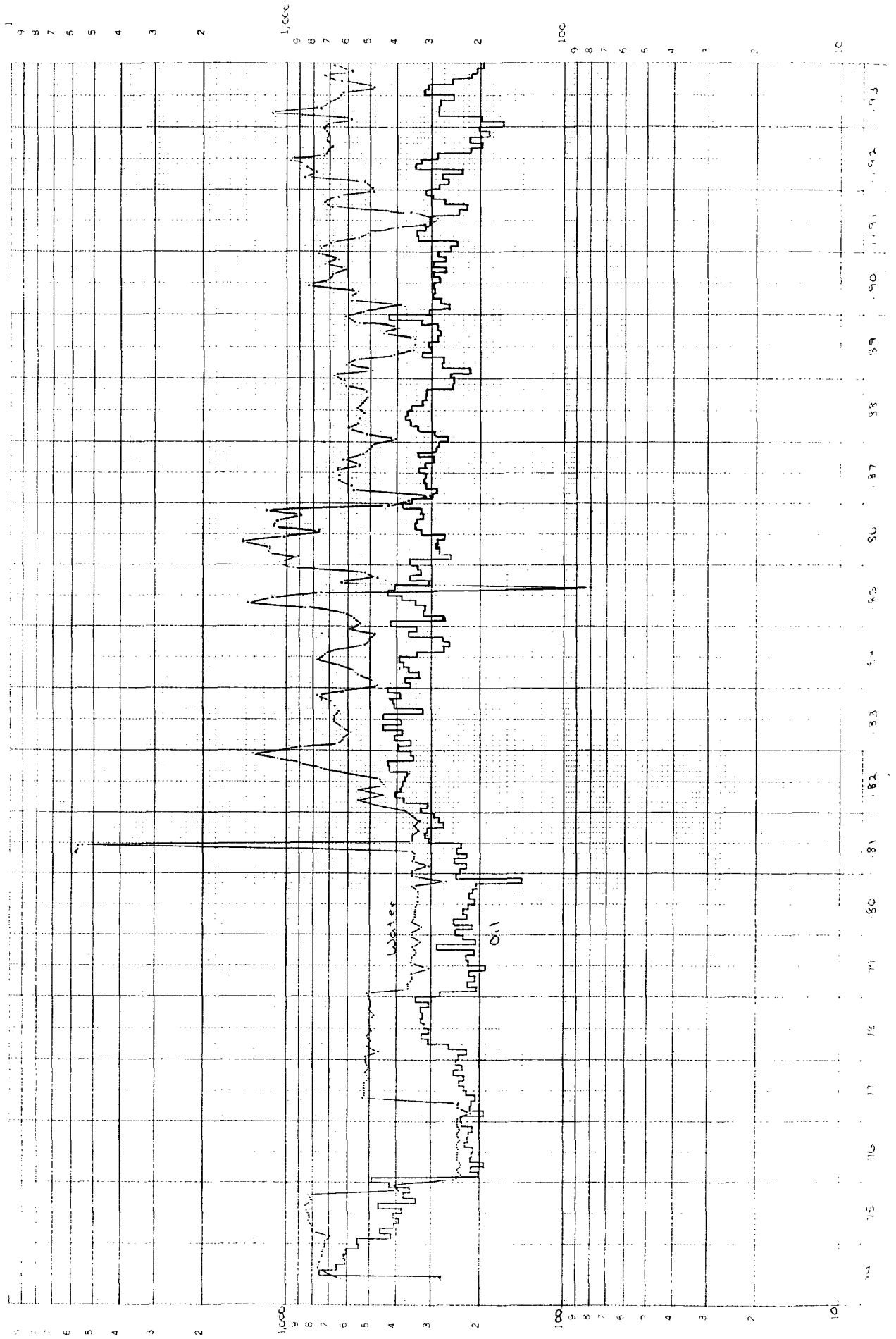


Flying M (Continued)  
 Flying M Unit  
 Tract 1A, 4E





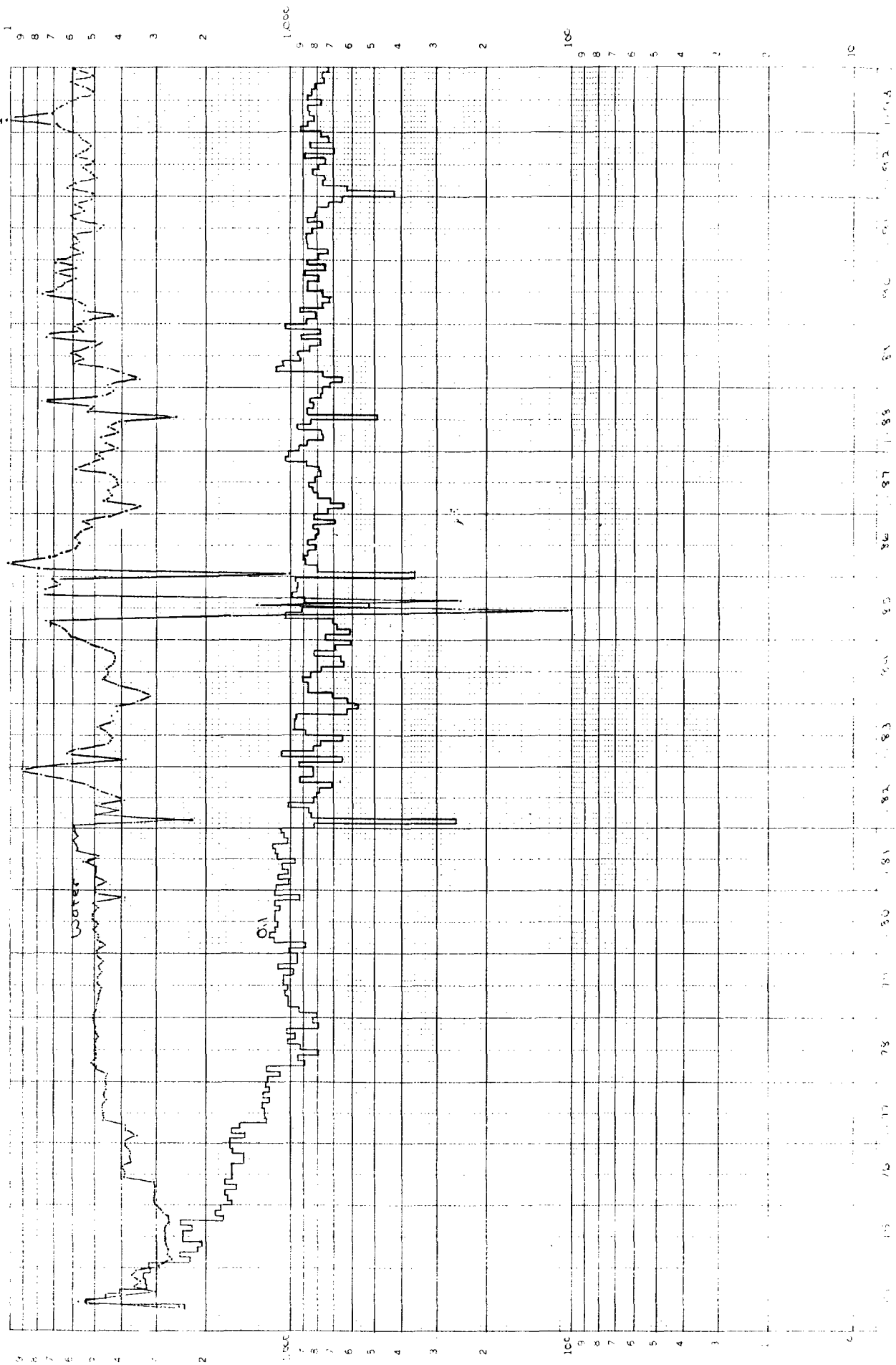
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 Flying M Unit  
 Trace 1A, #7



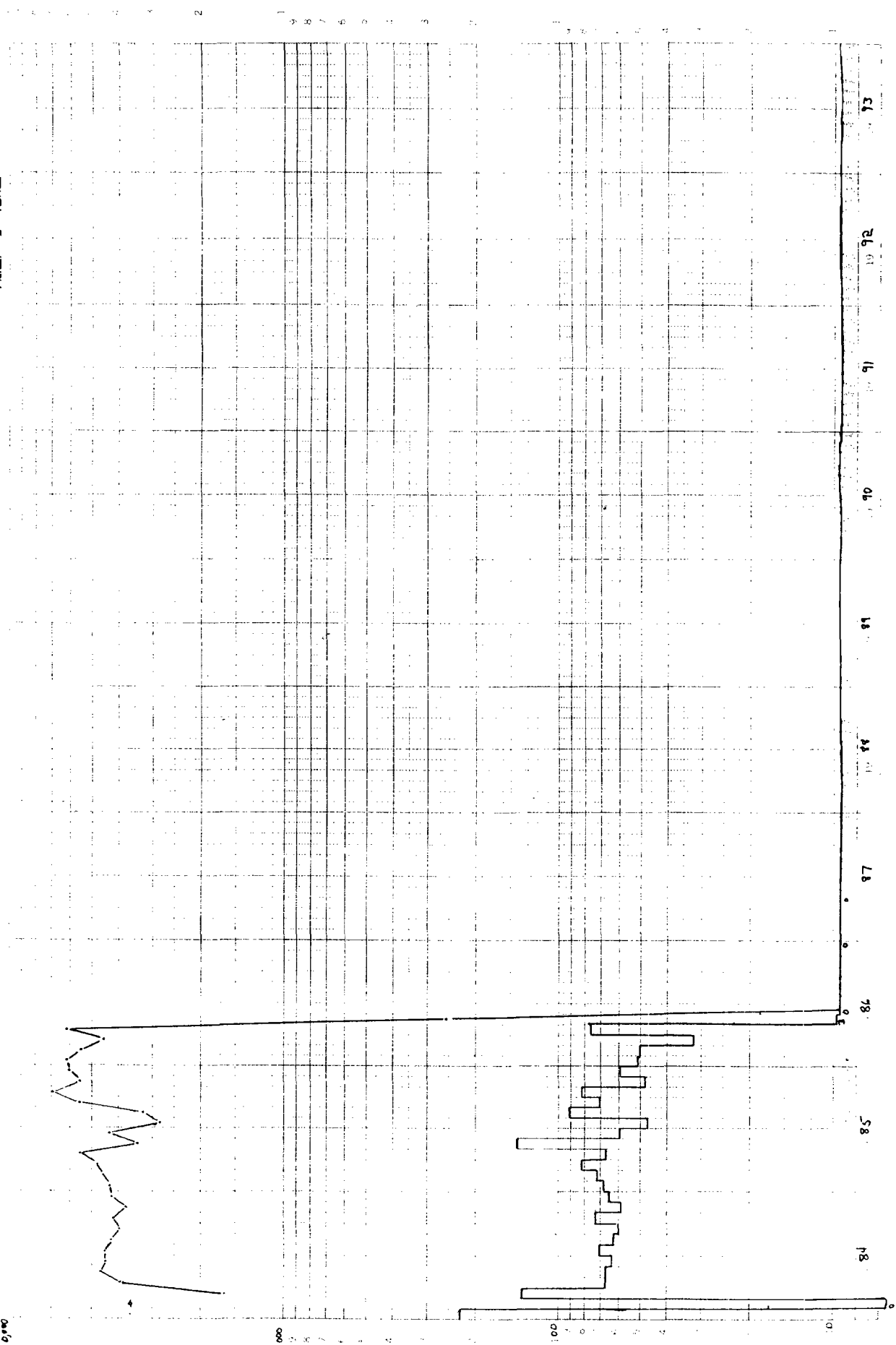
Flying M (Sun Antenna)

Flying M Unit

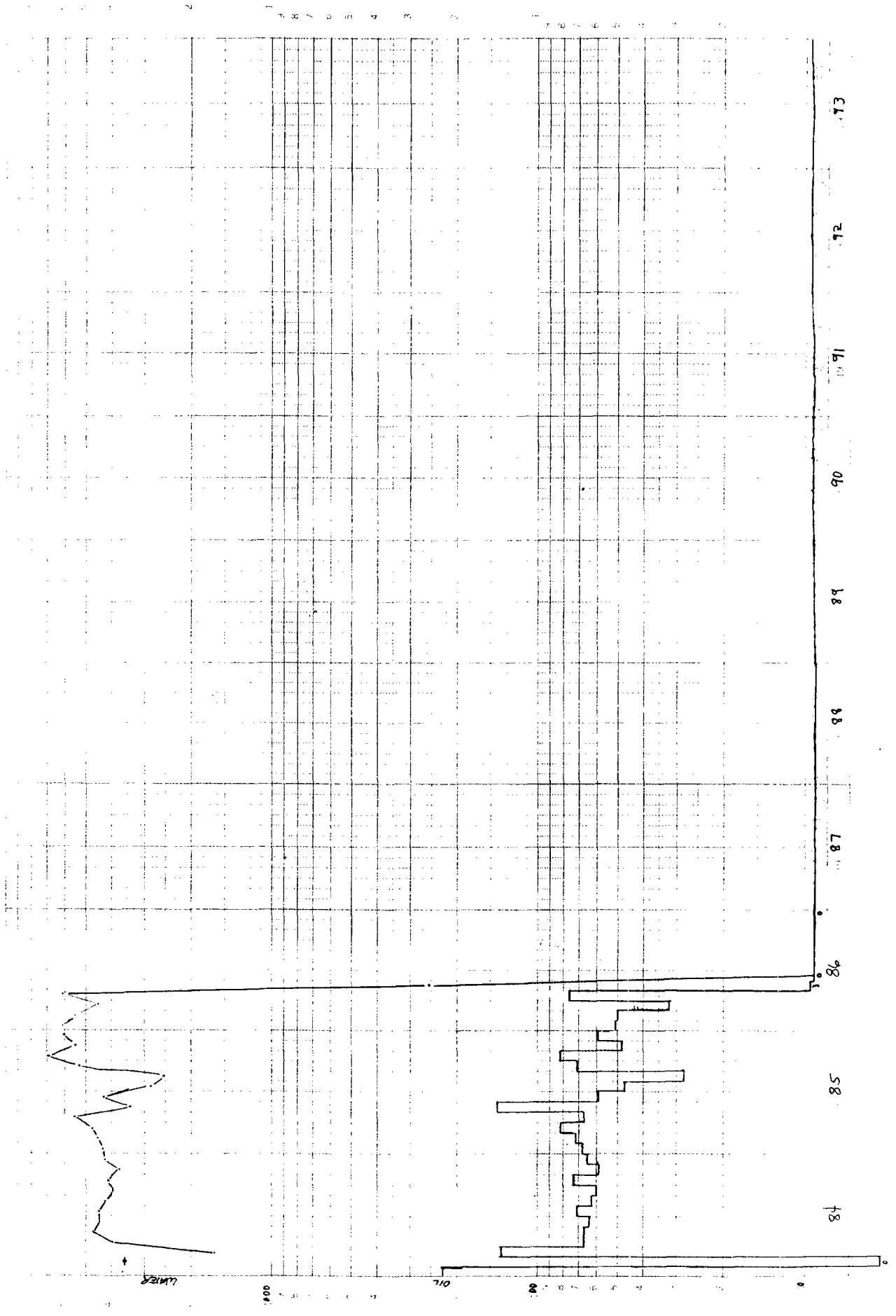
Trace 1A - #88



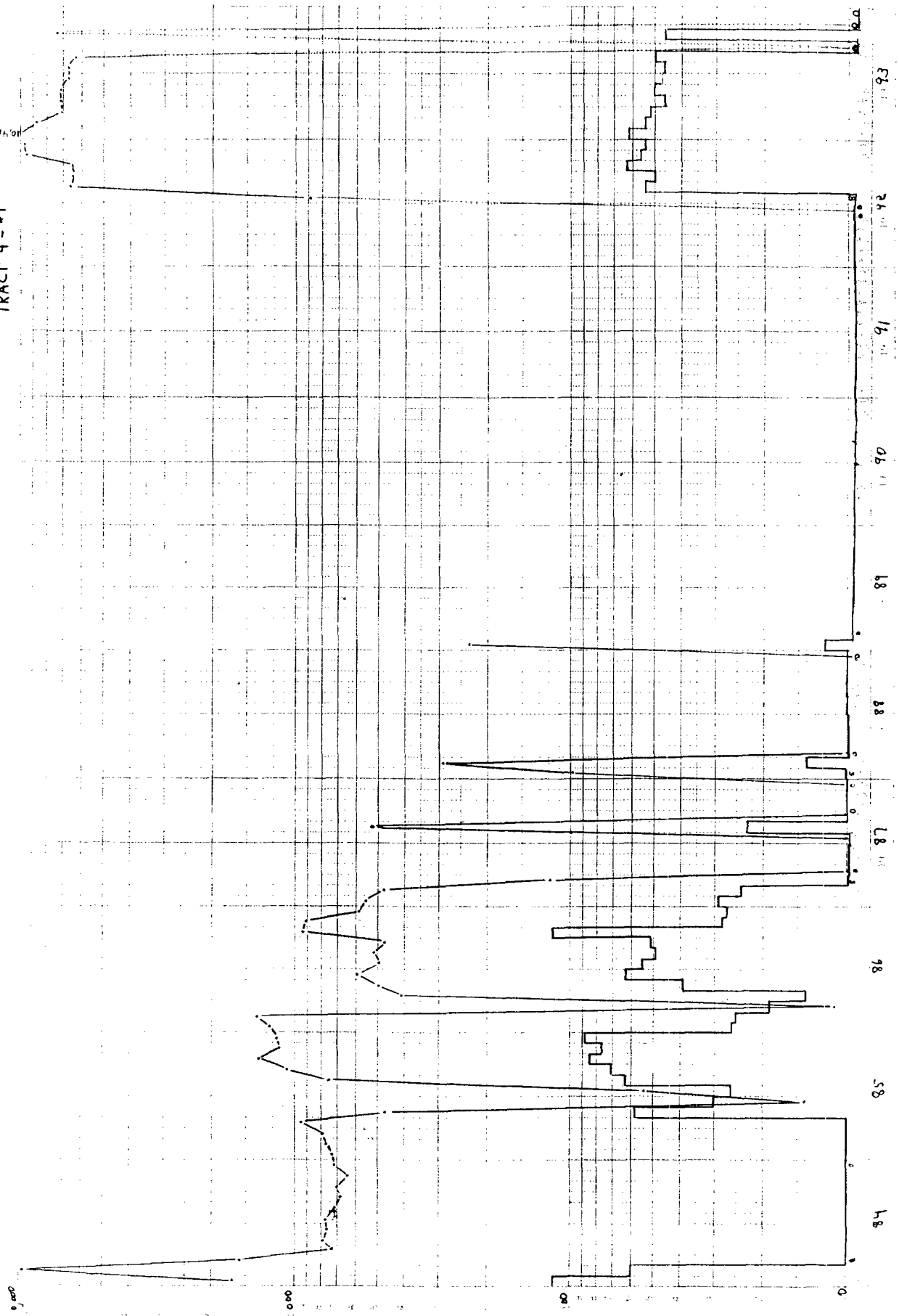
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FLYING "M" (SAN ADDRESS)  
FLYING "M" UNIT  
TRACT 3 #1



FLYING "M" (SAN Andres)  
FLYING "M" UNIT  
TRACT 4 - #1



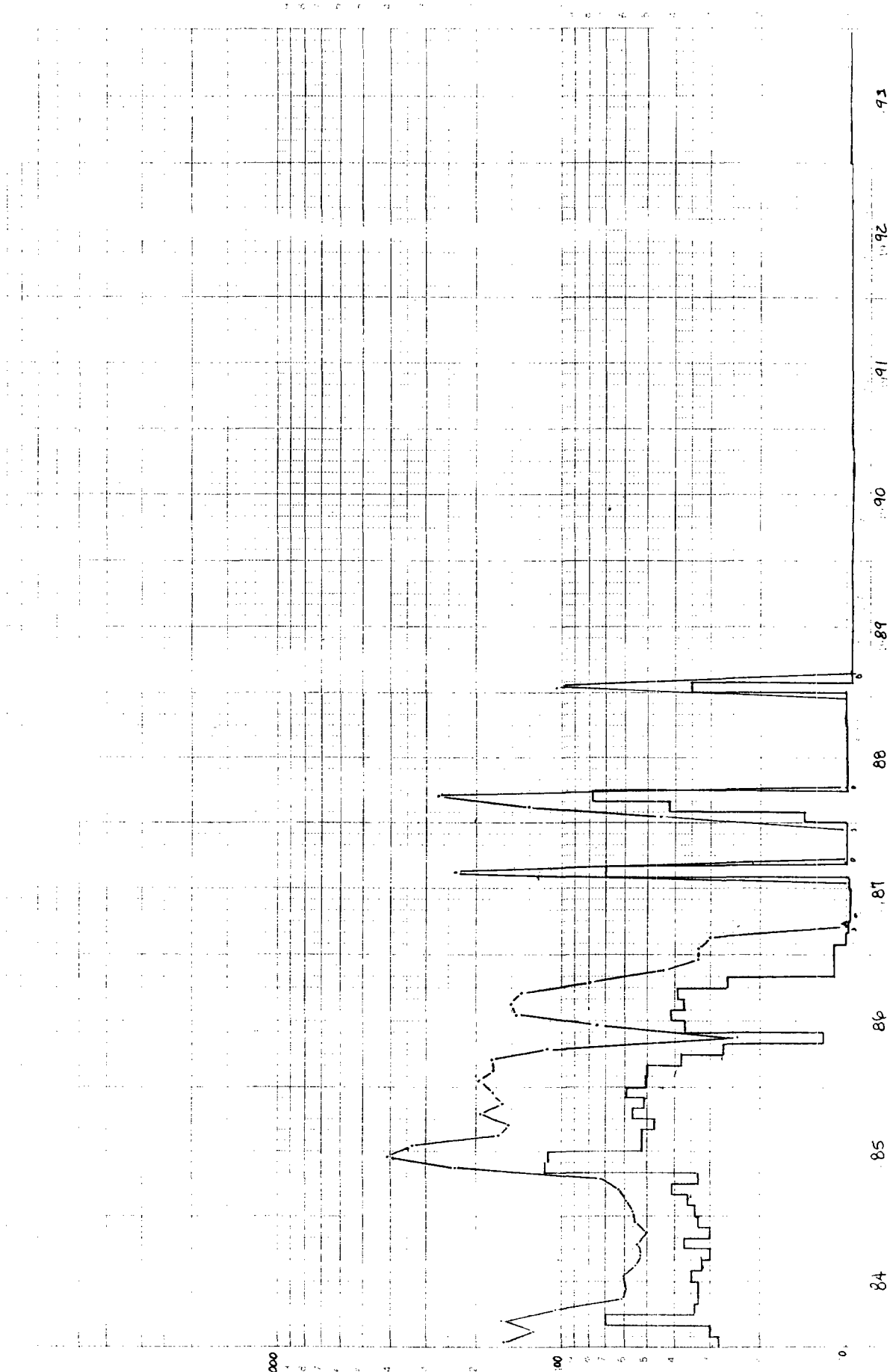
FLYING "M" (SAND ANOSES)  
 FLYING "M" UNIT  
 TRACT 4 - 43

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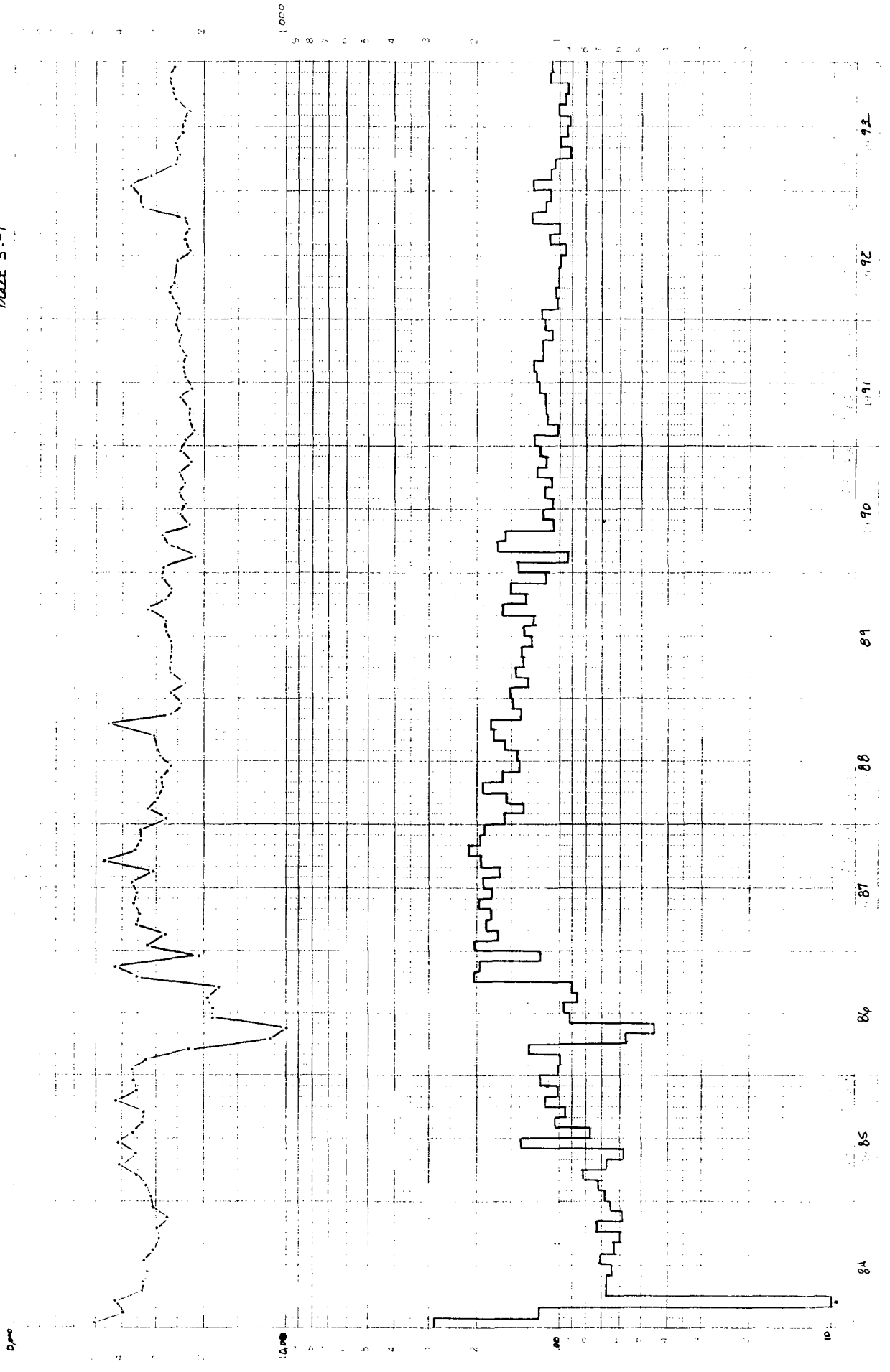
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Flying "M" (San Anselmo)  
 Flying "M" Unit  
 Tract 5-41

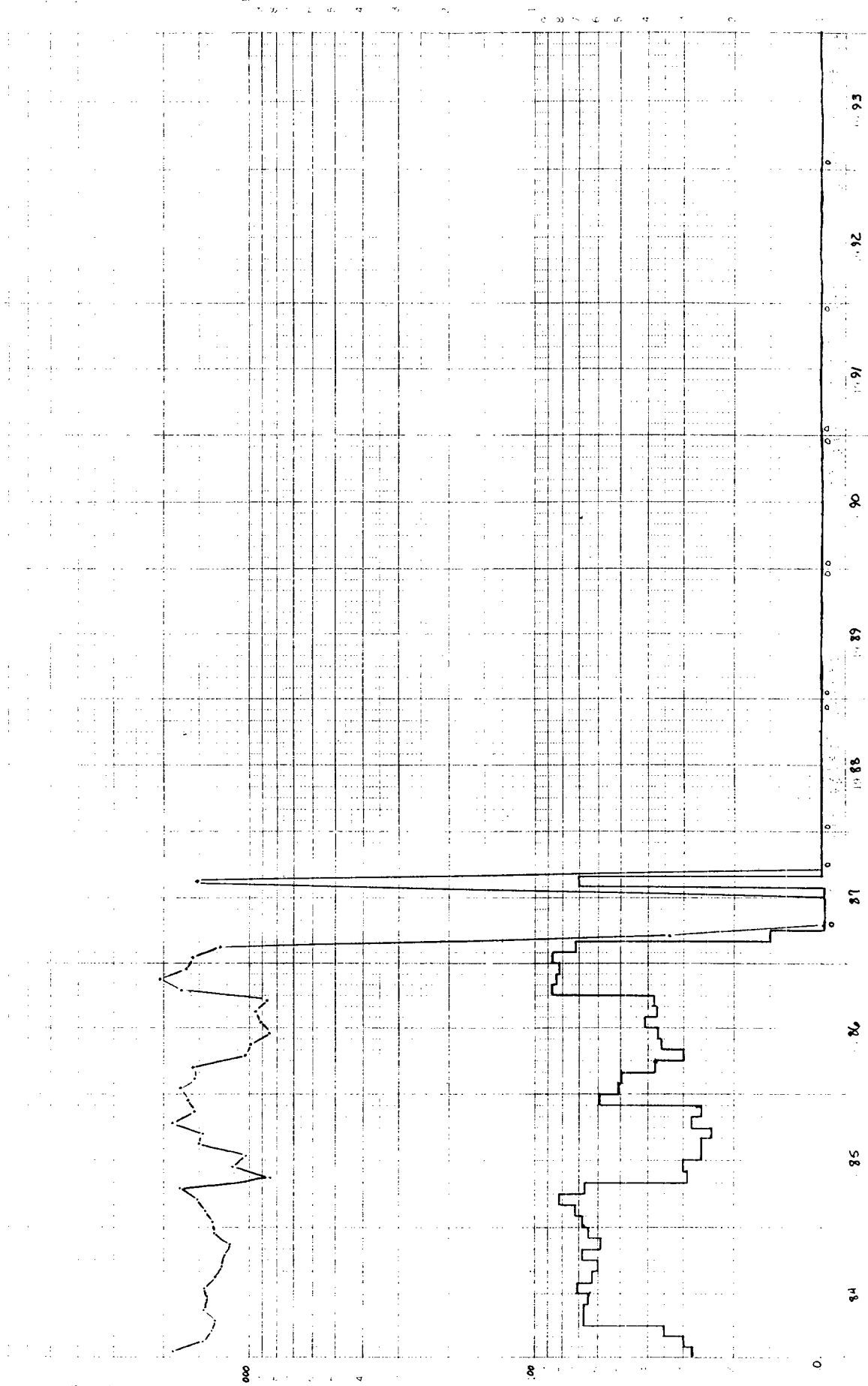


FLYING "M" (San Anacost)

FLYING "M" LOUT

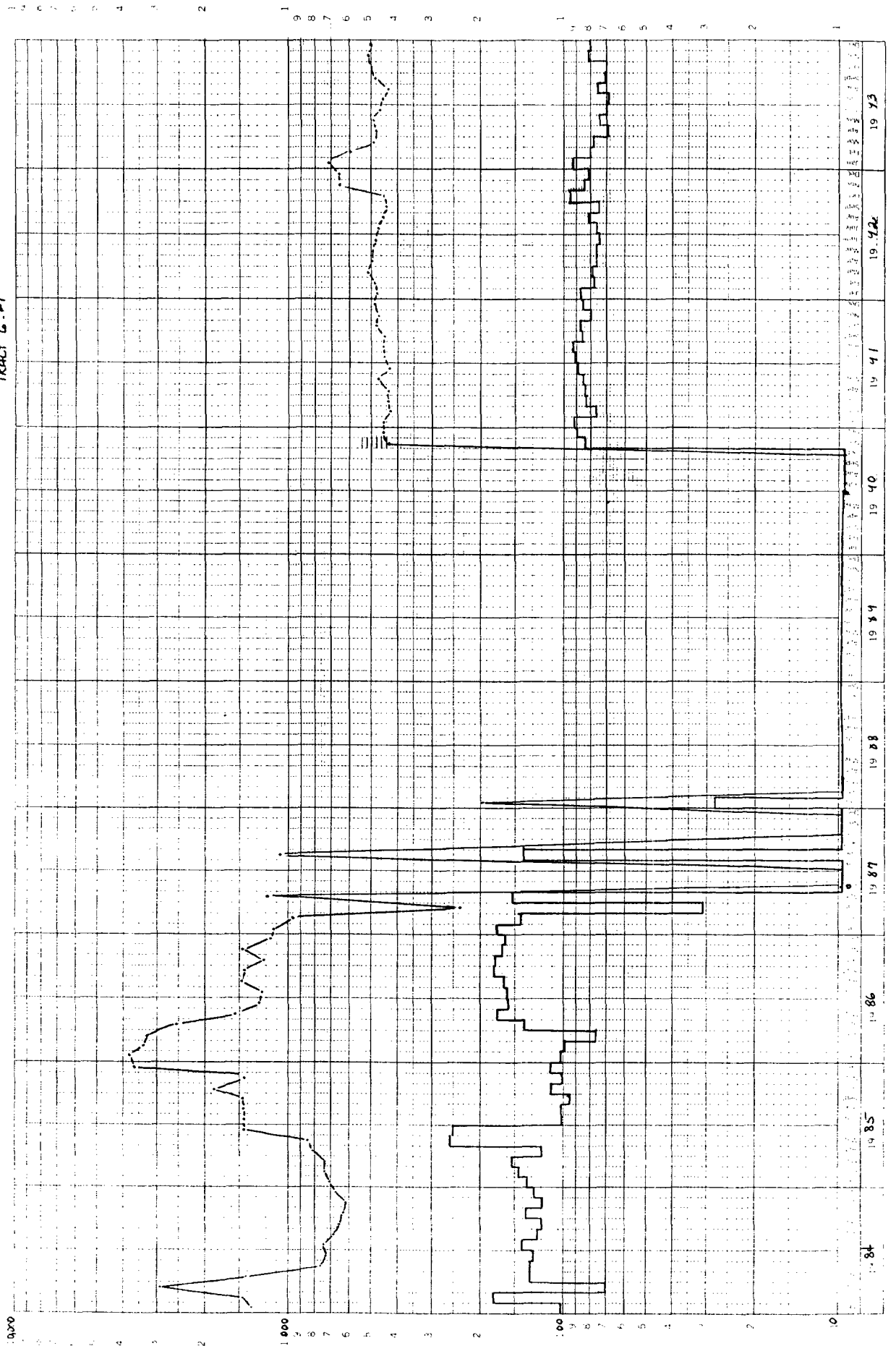
TRACT 5 - 3

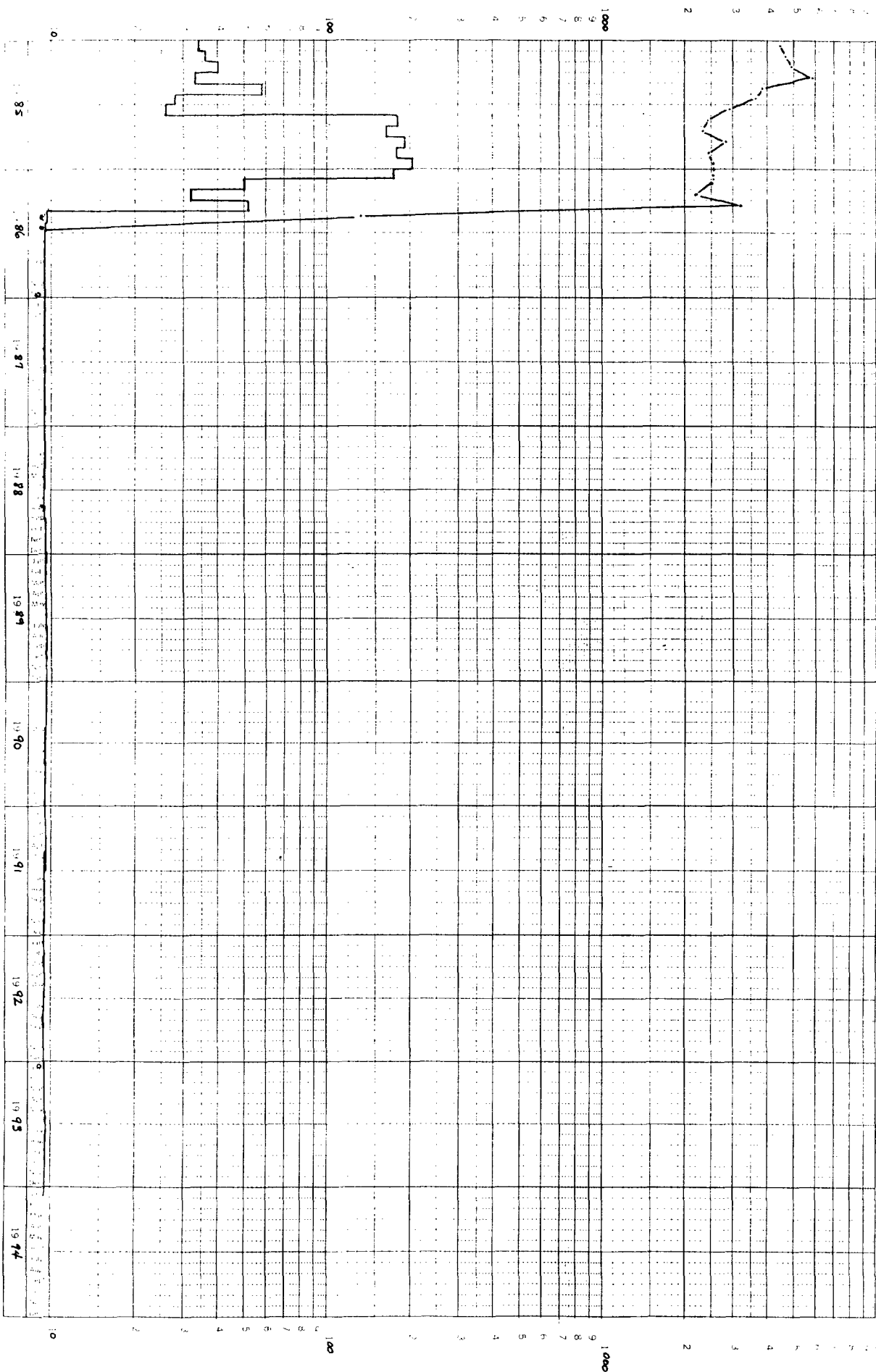
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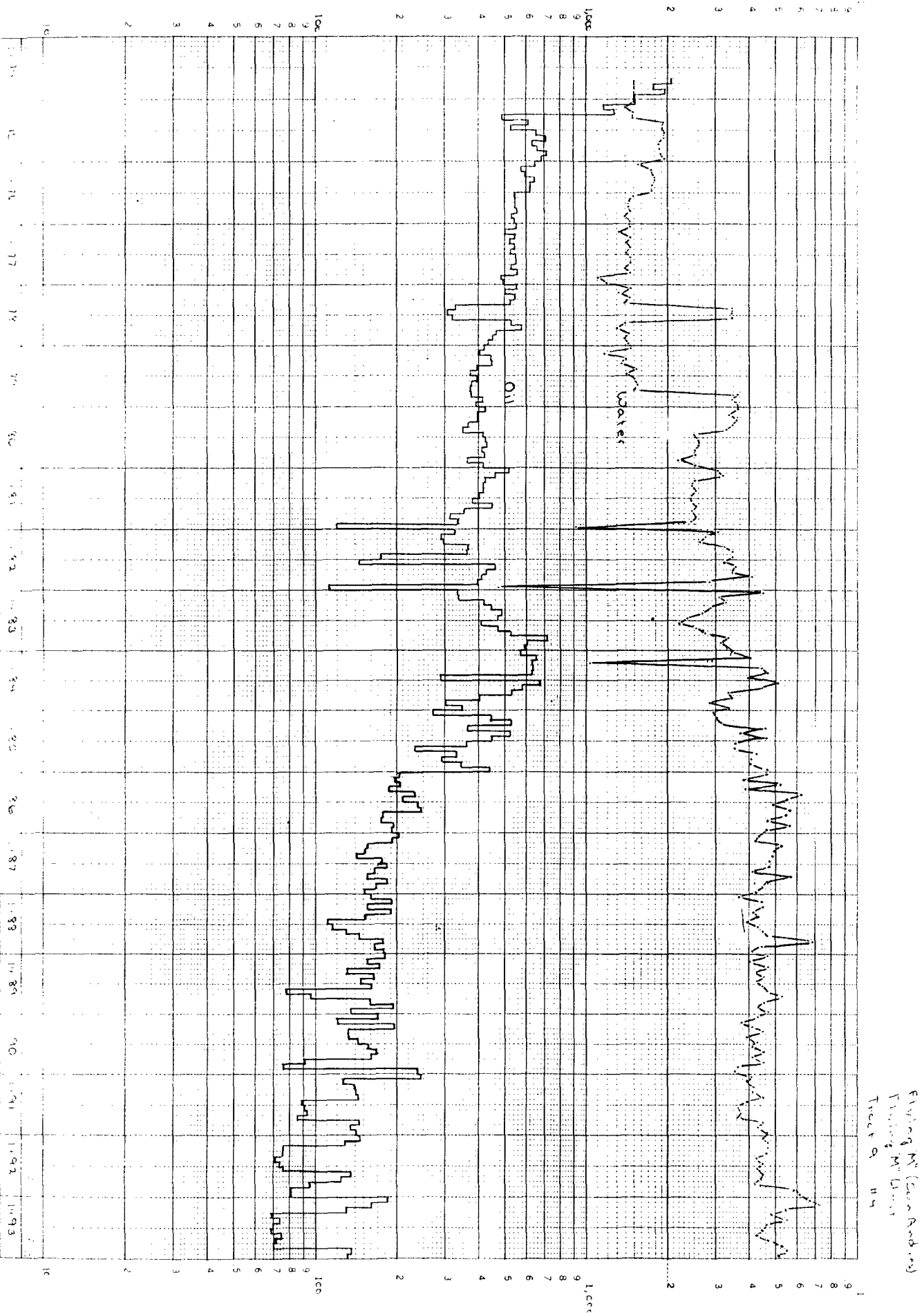


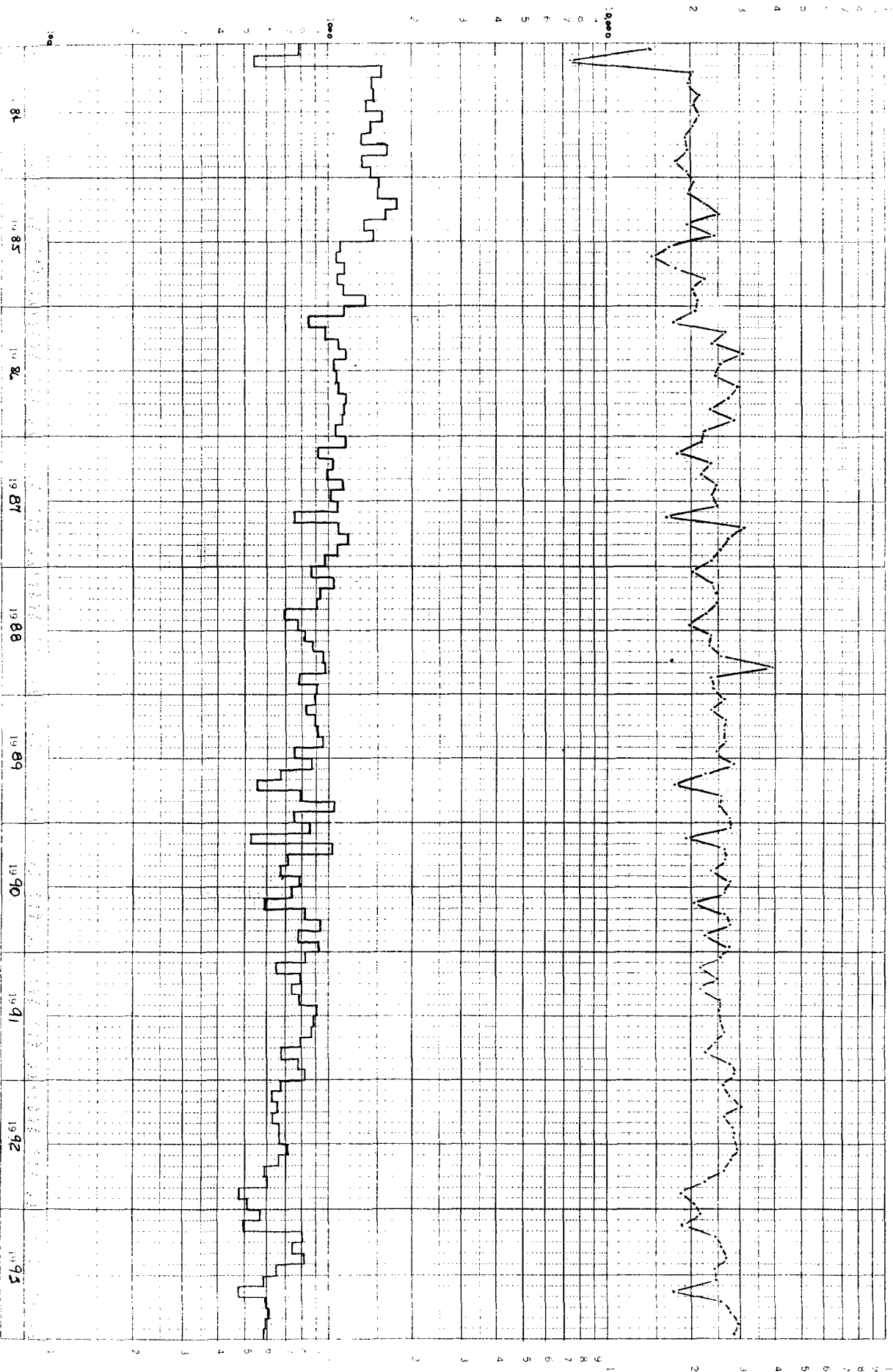
FLYING "M" (San Anselmo)  
 FLYING "M" UNIT  
 TRACT 6-41



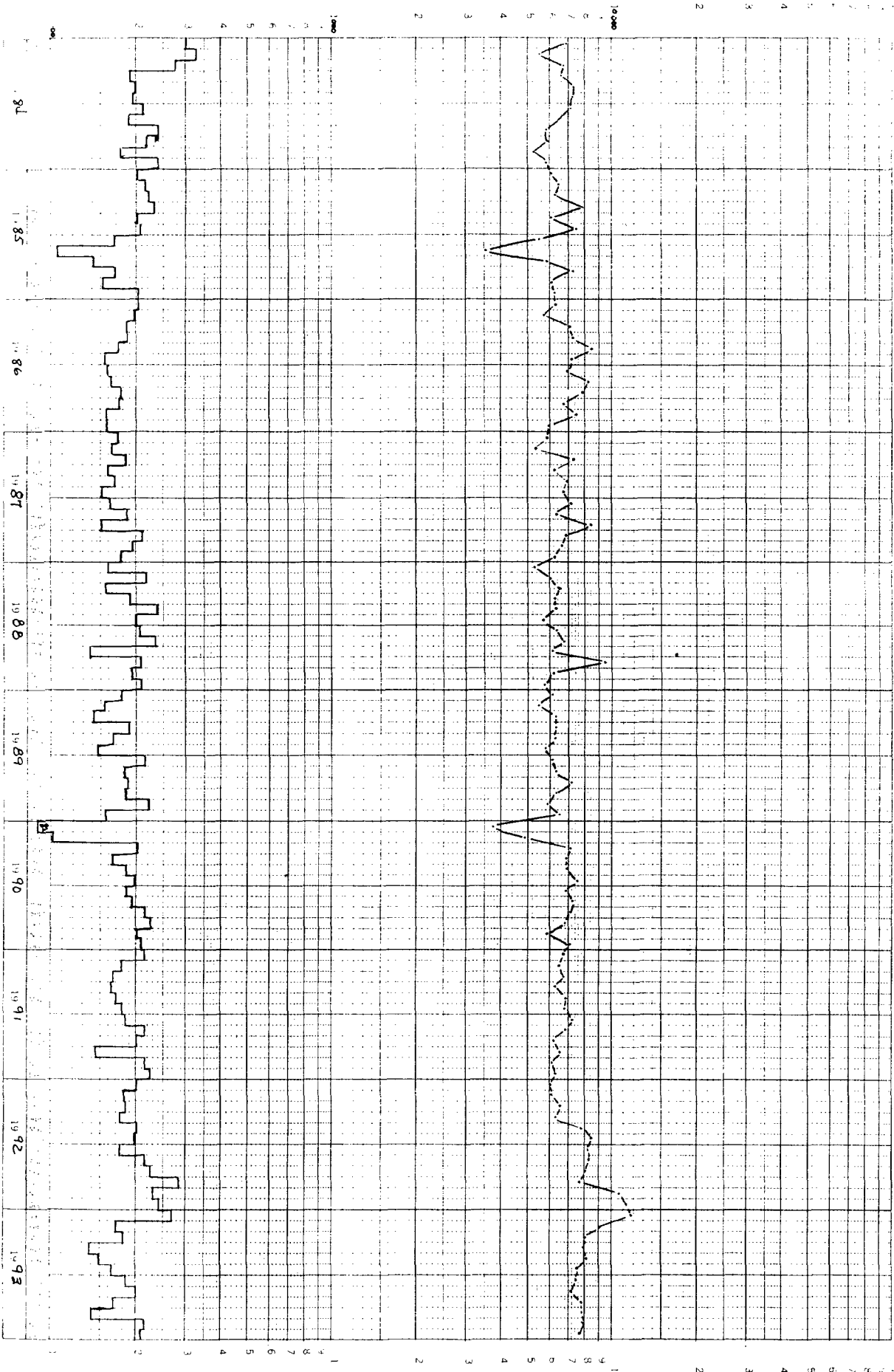


Flying "M" (San Antonio)  
Flying "m" Unit  
Trace 9-#3

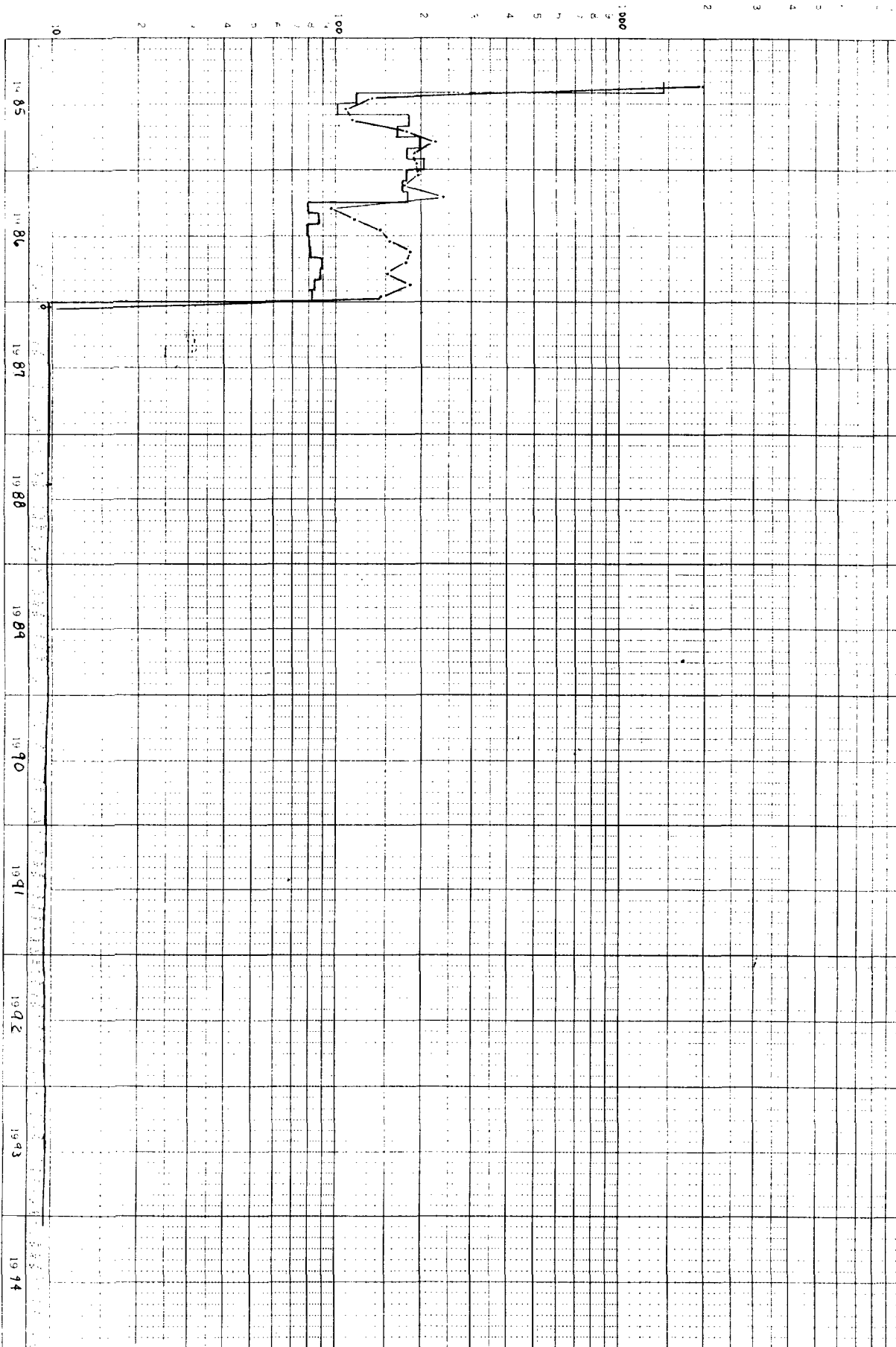




FLYING "M" (S.M. Anderson)  
FLYING "M" (Laur)  
TRAIL 12-41

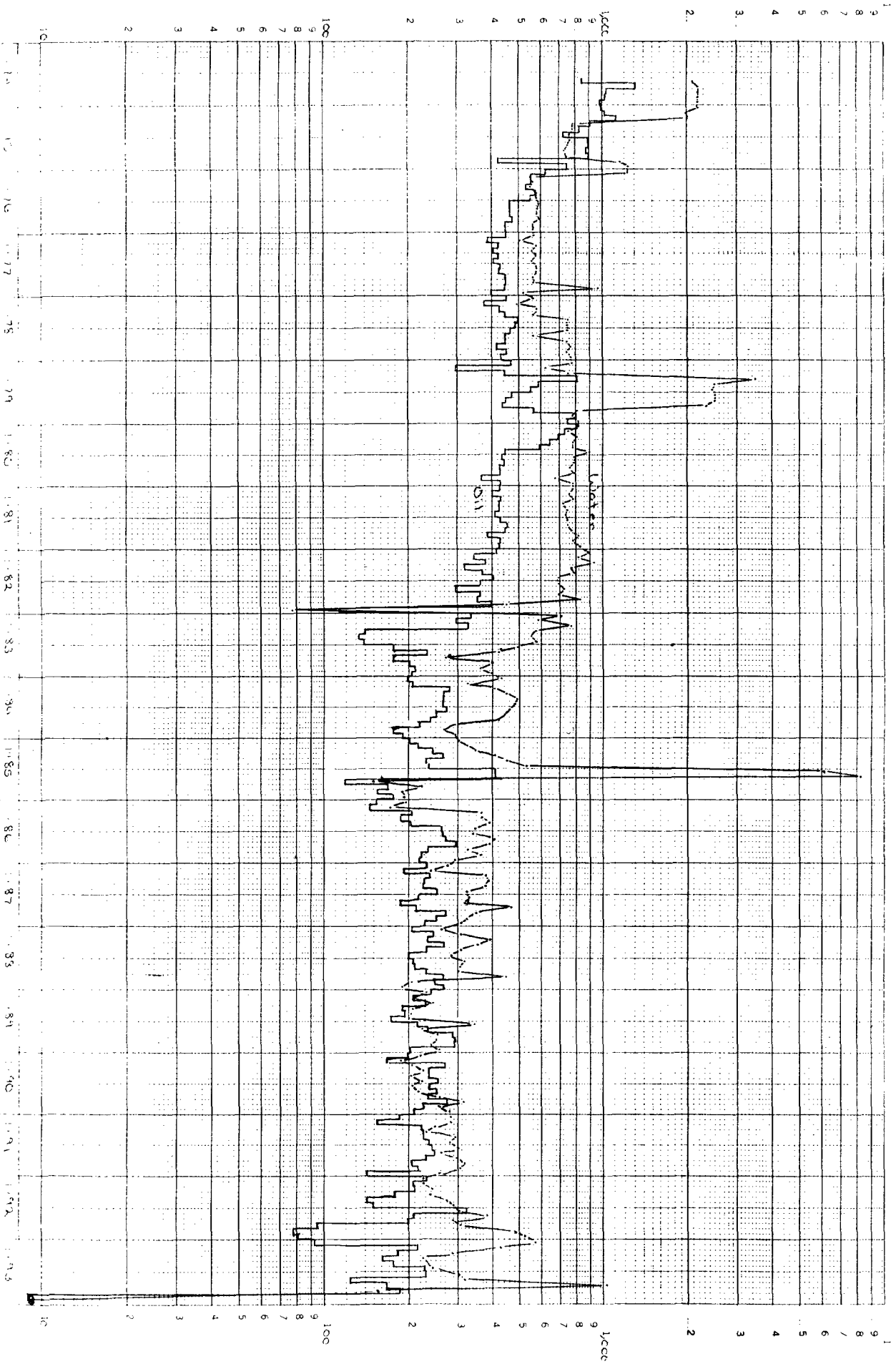


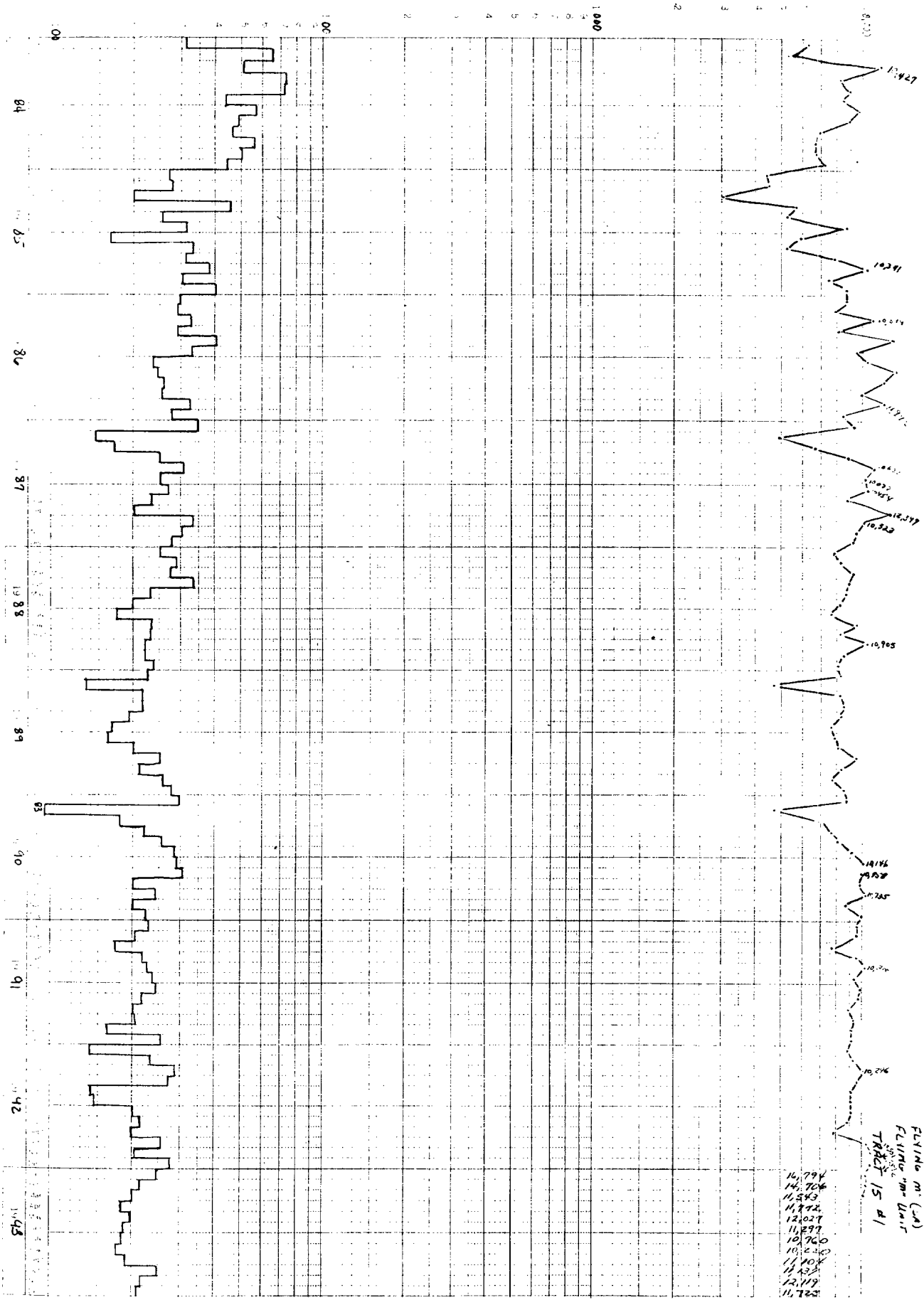
FLYING "M" (SMA 110000)  
FLYING "M" (SMA 110000)  
TK01 12-42



Flynn, m. (San Antonio)  
Flynn, m. Blair  
Trace 13 #4

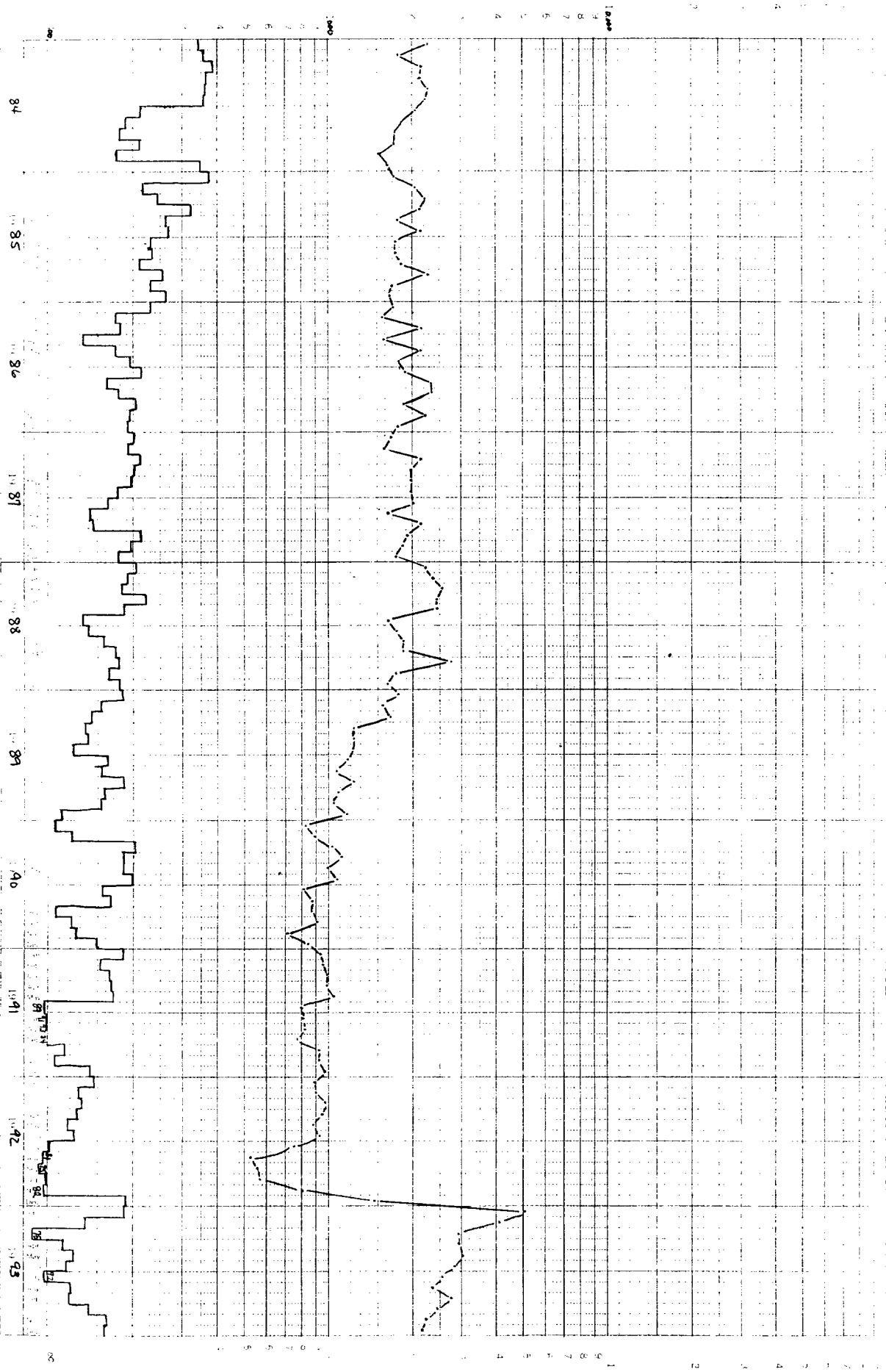
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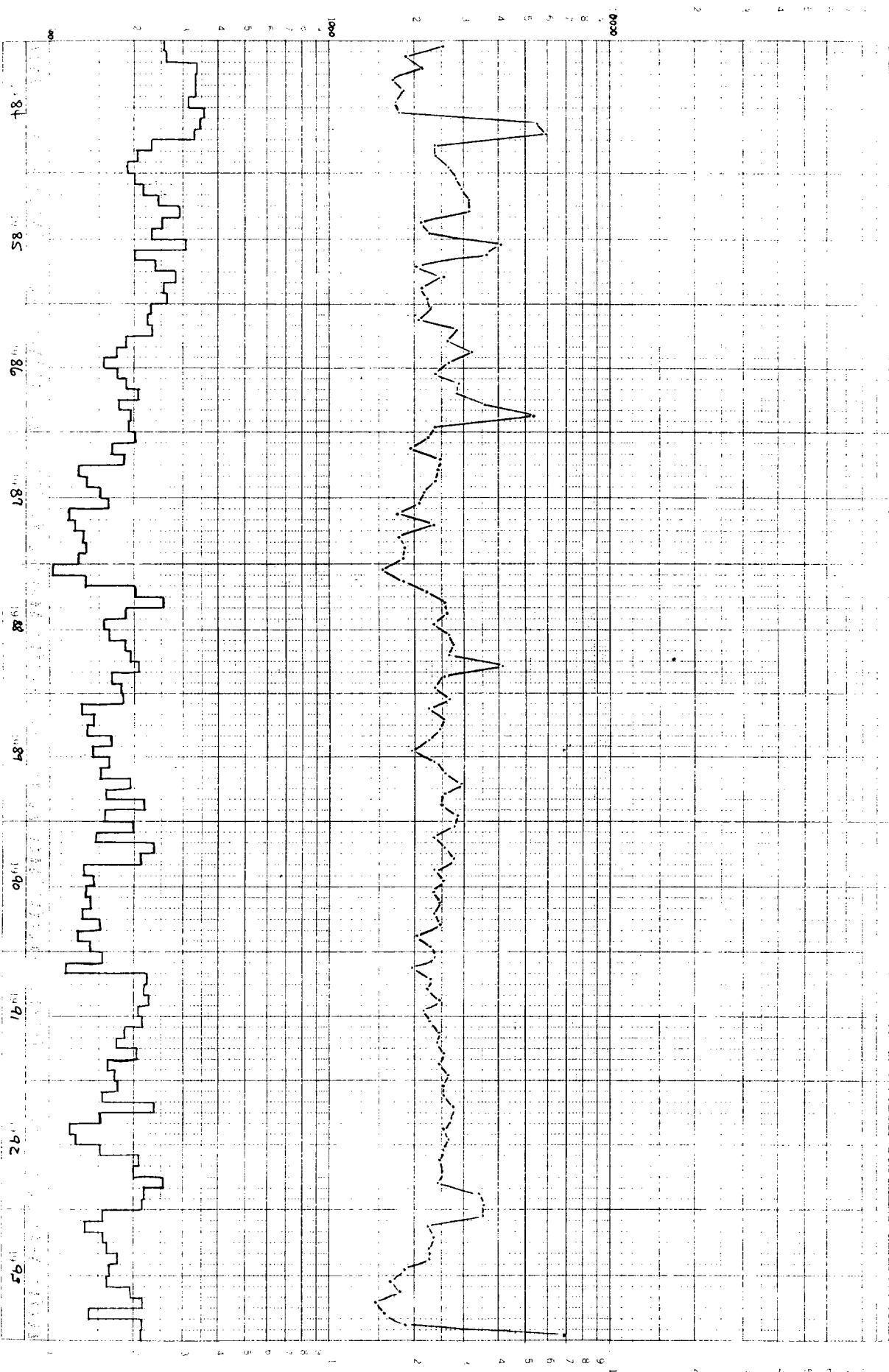




FLYING "M" (Sm. Antennae)  
 FLYING "M" UNIT  
 TRACT 19-41



FLYING "M" (SAN ANGELES)  
FLYING "M" UNIT  
TRACT 17-#2



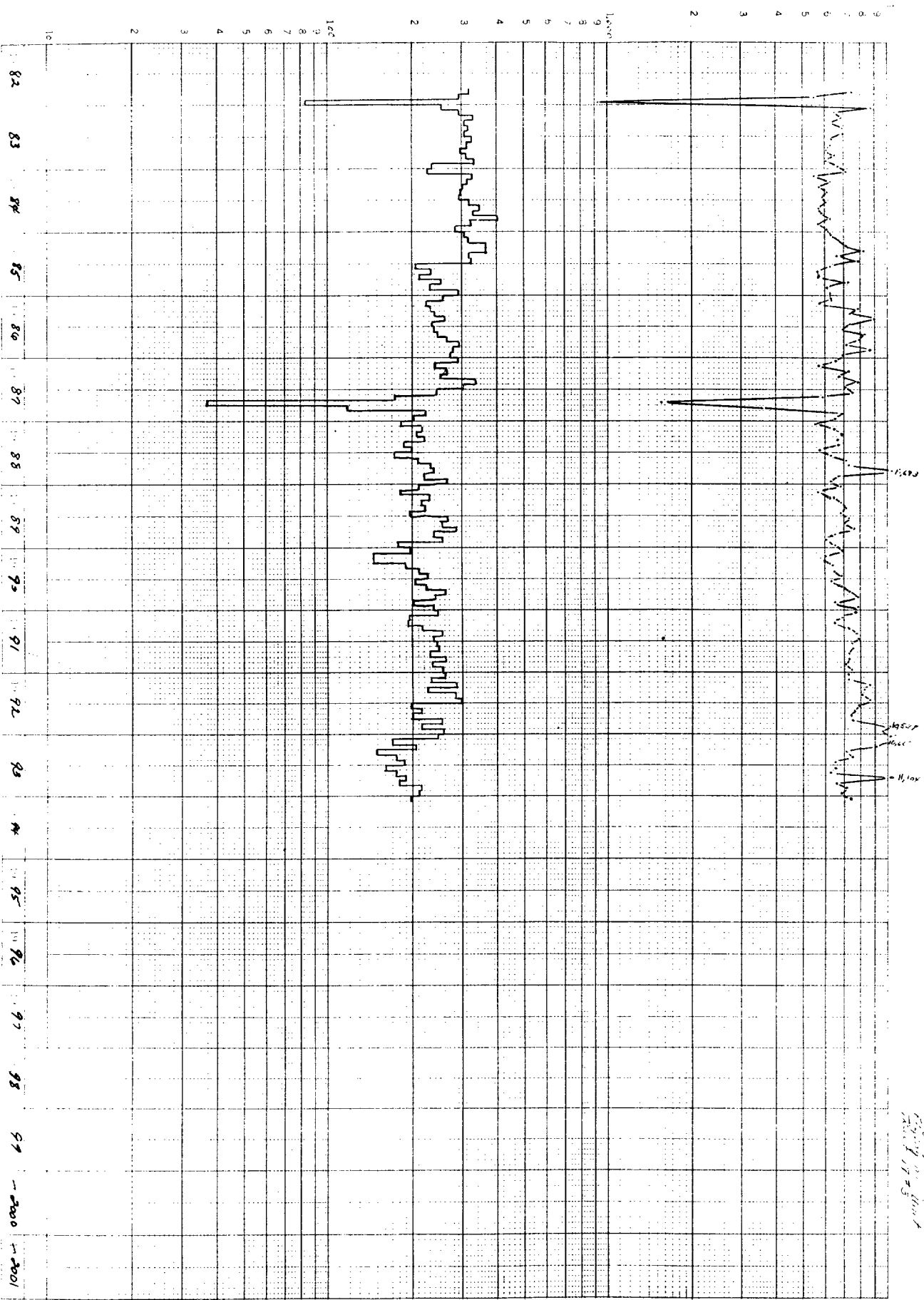
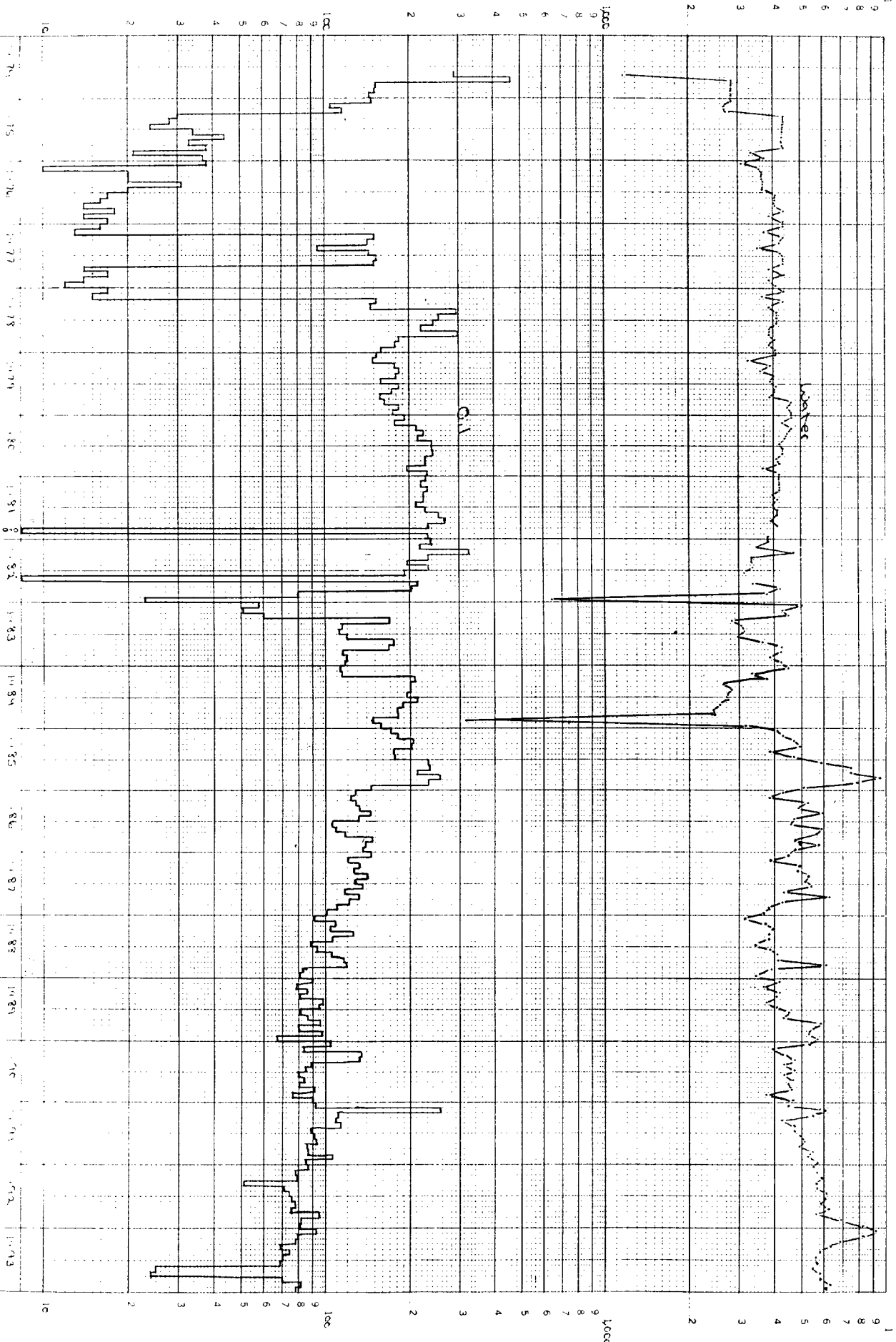
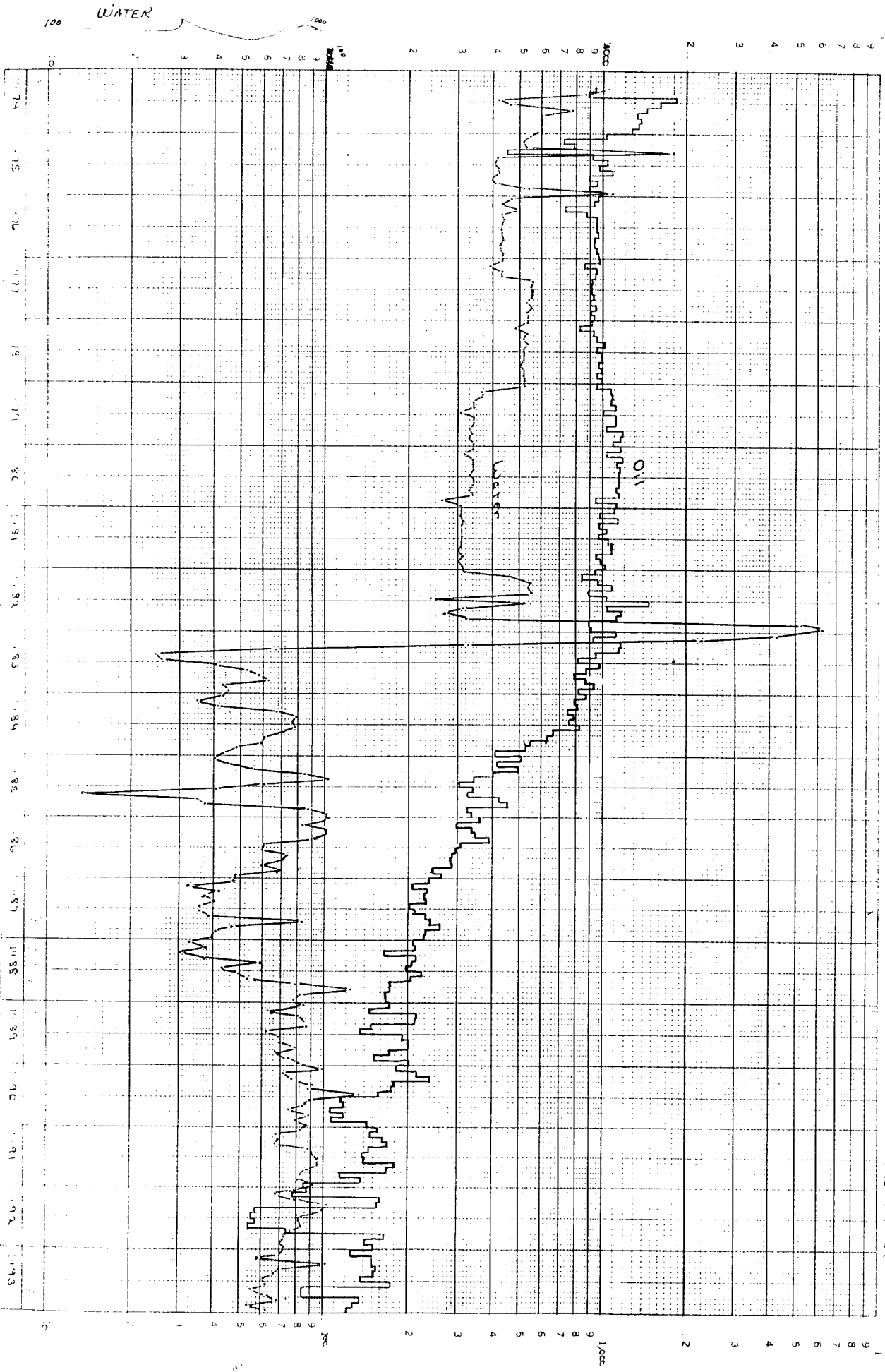


Figure 10 (continued)  
 Page 10 of 10  
 Date: 11-1-83

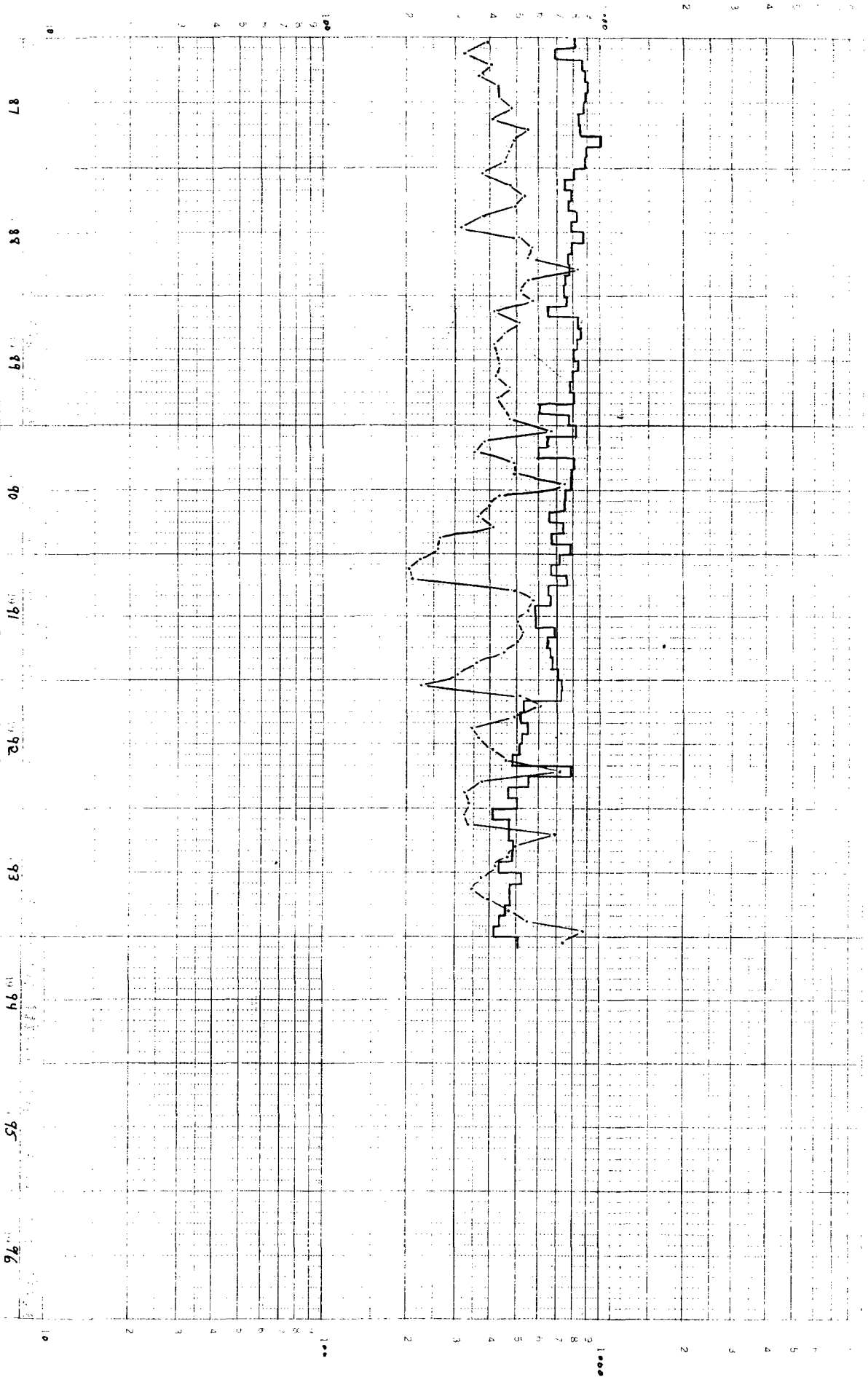
Flying M (San Andreas)  
 Flying M Jan 15  
 Tract 17 #4



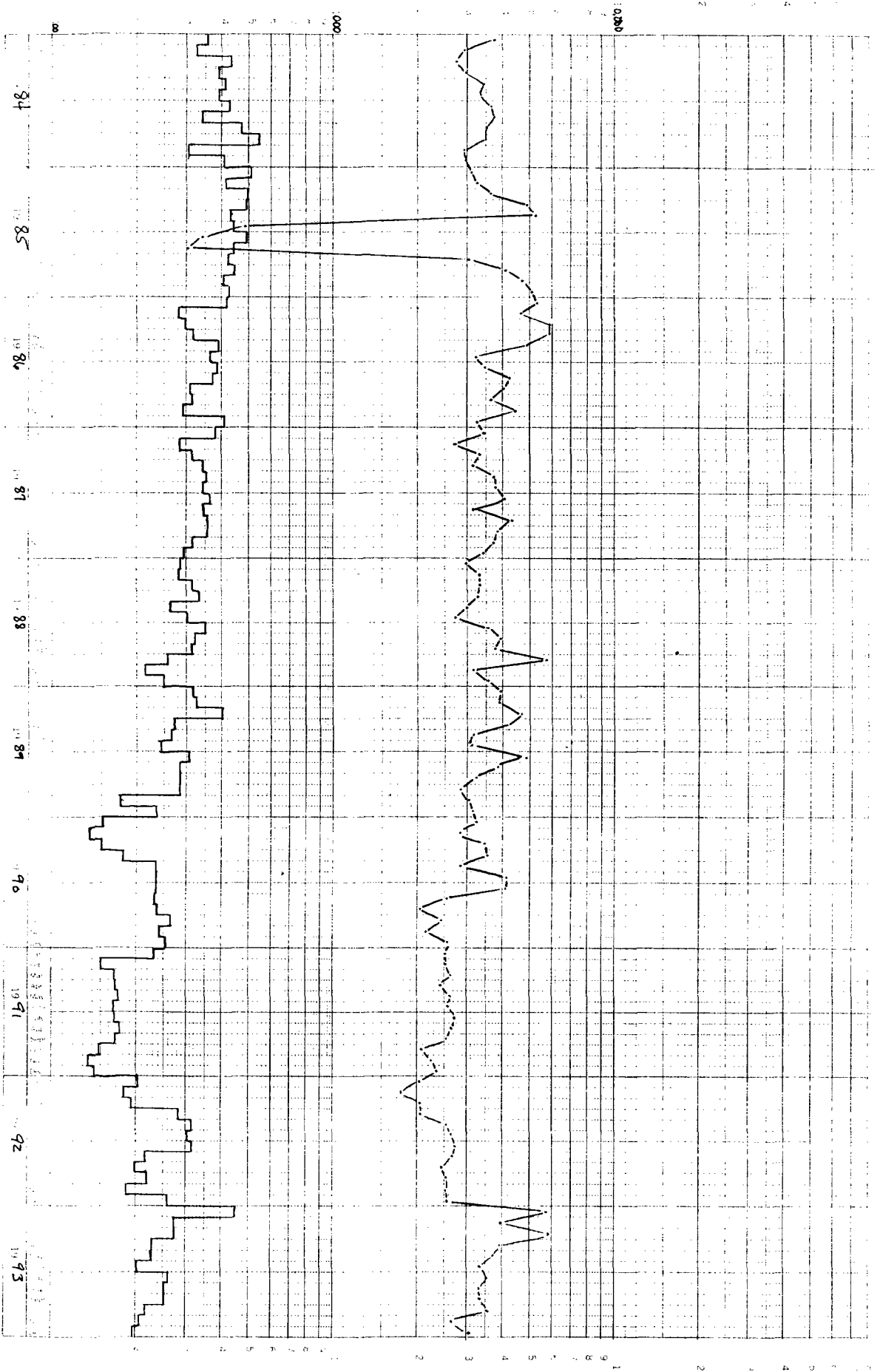


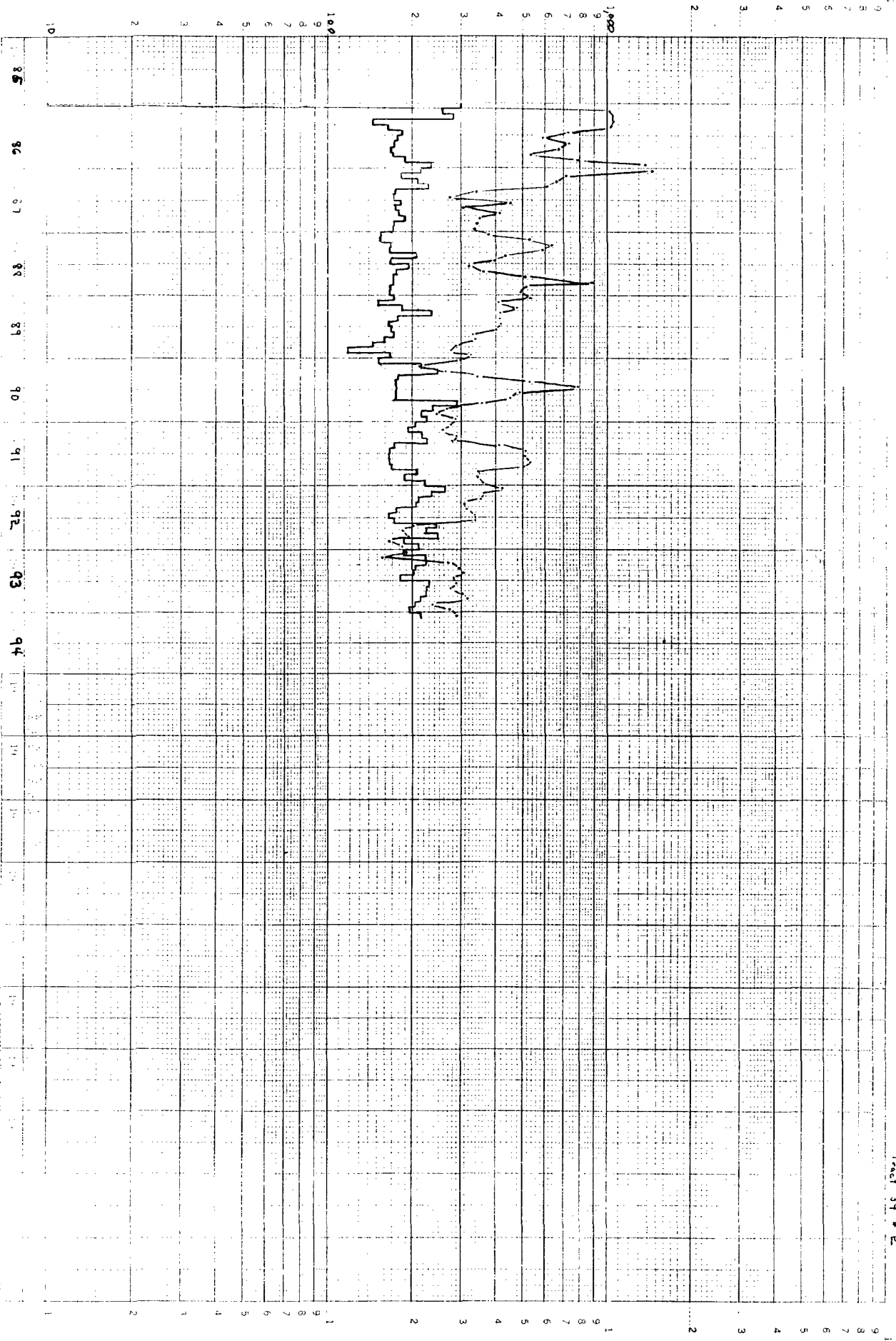
Flying M (San Andreas)  
 Flying M Unit  
 Tract 24 H 1

Flying "M" (San Andree)  
Flying "M" Unit  
Trace 24 #2



LYING "M" (SAN ANDREAS)  
FLYING "M" UNIT  
TRACT 25 #1





Flying M (in Ant.)  
Flying M (in Ant.)  
Track 34 \* 2



#3554

State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER

Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

October 5, 1990

Coastal Oil & Gas Corporation  
Dinero plaza  
1004 North Big Spring Street  
P.O. box 235  
Midland, Tx 79702-0235

Attn: Bobby L. Smith

Re: Flying "M" (SA) Unit  
Lea County, New Mexico  
1990 Plan of Development

Dear Mr. Smith:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Flying "M" (SA) Unit. Our approval is subject to like approval by all other appropriate agencies. Please forward to this office current copies of both Exhibits A & B.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES

BY:   
Floyd O. Prando, Director  
Oil, Gas & Minerals Division

cc: OCD  
Unit Corresp.  
Unit POD

# State of New Mexico



## Commissioner of Public Lands

W.R. HUMPHRIES  
COMMISSIONER

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

November 6, 1990

Coastal Oil & Gas Corporation  
Dinero Plaza  
1004 North Big Spring Street  
P.O. Box 235  
Midland, TX 79702-0235

Attn: Clarence Miller

Re: Flying "M" (SA) Unit  
Lea County, New Mexico  
1990 Plan of Development Deviation  
(Conversion of Tract 13 Well #6 in  
Section 20-09S-33E to an Injection Well)

Dear Mr. Miller:


We received your letter dated October 31, 1990 with the notification that the subject well will be converted from a producer to an injection well. Since this operation is a major deviation from your 1990 Plan of Development, Section 10 of the Unit Agreement requires the Operator to submit to the State Land Commissioner, for approval, a revised Plan of Development.

Additionally, please provide this office with an up-to-date Exhibit "B".

If you have any questions please contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

By:   
Floyd O. Prando, Director  
Oil, Gas & Minerals Division

WR/FOP/CL/dm

cc: OCD - Santa Fe

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

October 5, 1990

Coastal Oil & Gas Corporation  
Dinero plaza  
1004 North Big Spring Street  
P.O. box 235  
Midland, Tx 79702-0235

Attn: Bobby L. Smith

Re: Flying "M" (SA) Unit  
Lea County, New Mexico  
1990 Plan of Development

Dear Mr. Smith:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the Flying "M" (SA) Unit. Our approval is subject to like approval by all other appropriate agencies. Please forward to this office current copies of both Exhibits A & B.

The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES

BY:   
Floyd O. Prando, Director  
Oil, Gas & Minerals Division

cc: OCD  
Unit Corresp.  
Unit POD



**Coastal Oil & Gas Corporation**  
A SUBSIDIARY OF THE COASTAL CORPORATION

#3554

OIL CONSERVATION DIVISION

'90 MAR 19 AM 10 03  
The Energy People

March 14, 1990

State of New Mexico  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: 1990 Plan of Operations  
[REDACTED] Unit  
Lea County, New Mexico

Gentlemen:

Please find attached a Plan of Operations for the Coastal operated Flying "M" (SA) Unit, which is located in Lea County, New Mexico. This Plan of Operations consist of an updated unit map showing the status of existing wells, individual well production curves and a Flying "M" (SA) Unit production curves. All of the wells in the unit produce from the San Andres formation.

Coastal has no proposed drilling activity in the Flying "M" (SA) Unit for 1990. We anticipate some equipment revisions at some of the batteries and some work-overs most likely will be attempted, although specific candidates have not as yet been determined.

There were no new wells drilled in the Unit in 1989 and therefore, no new completions. There were no wells converted to injection during the past year and no plans to convert any during 1990.

Production from the Unit in 1989 was 87.3 MBO x 1156 MBW x 34,470 MCF. This represents a 9.76% decline in oil production from 1988 levels. Cumulative production from the Unit, through December 1989, was 4,313,566 BO x 57,885,337 BW x 1,429,062 MCF.

This Plan of Operations is being sent to all W.I. owners, the Commissioner of Public Lands, the Bureau of Land Management and the Oil Conservation Division, as prescribed by the Unit Agreement.

Should anyone have any questions or comments regarding this Plan of Operations, please advise.

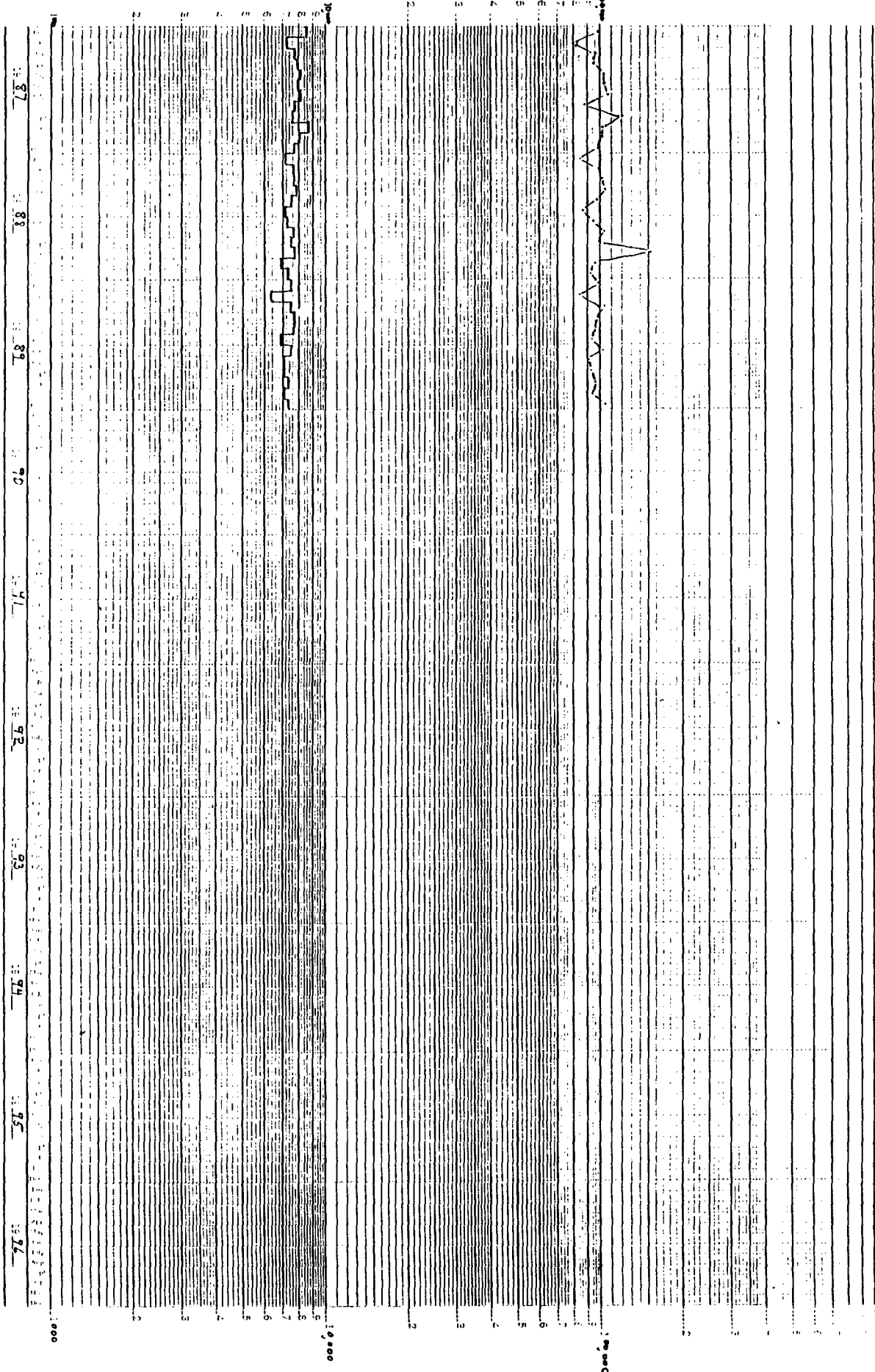
Sincerely,

Bobby L. Smith  
Area Superintendent

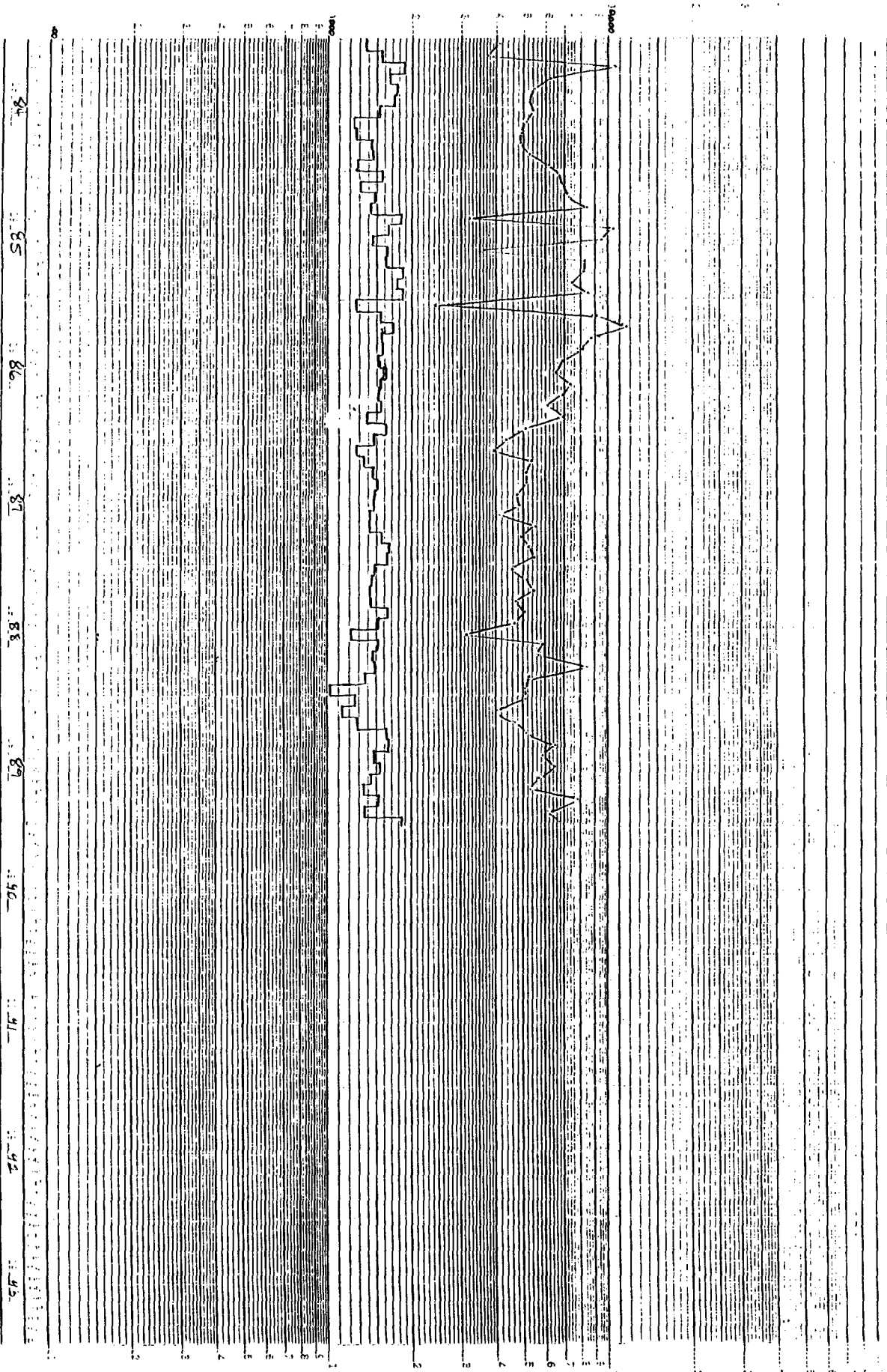
BLS:ljr  
Attachment

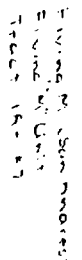
DINERO PLAZA  
1004 NORTH BIG SPRING ST.  
P. O. BOX 235  
MIDLAND, TEXAS 79702-0235  
915/682-7925

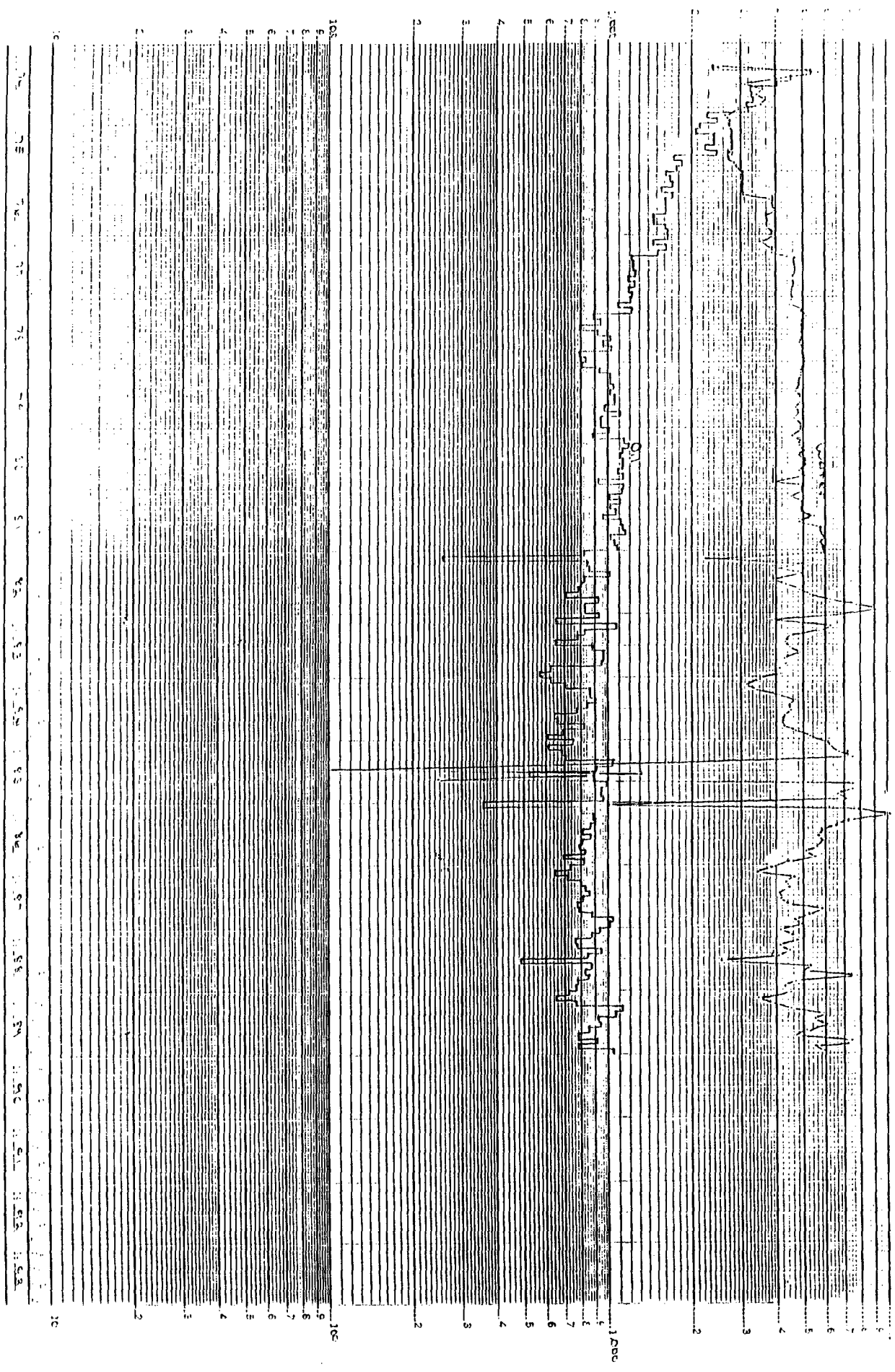
Water



Living "M" (San Andres)  
 Flixing "M" Unit  
 Unit Total

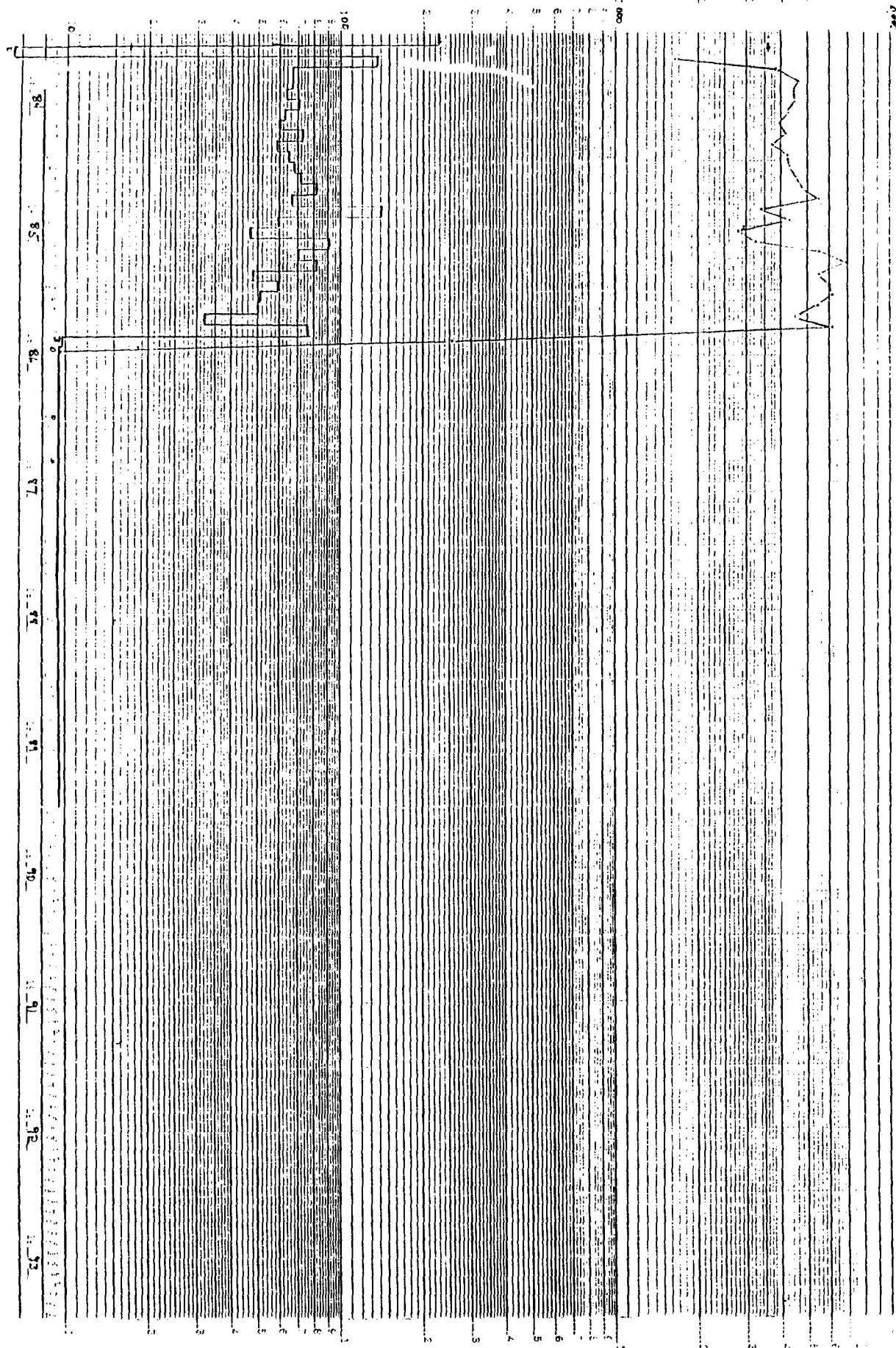




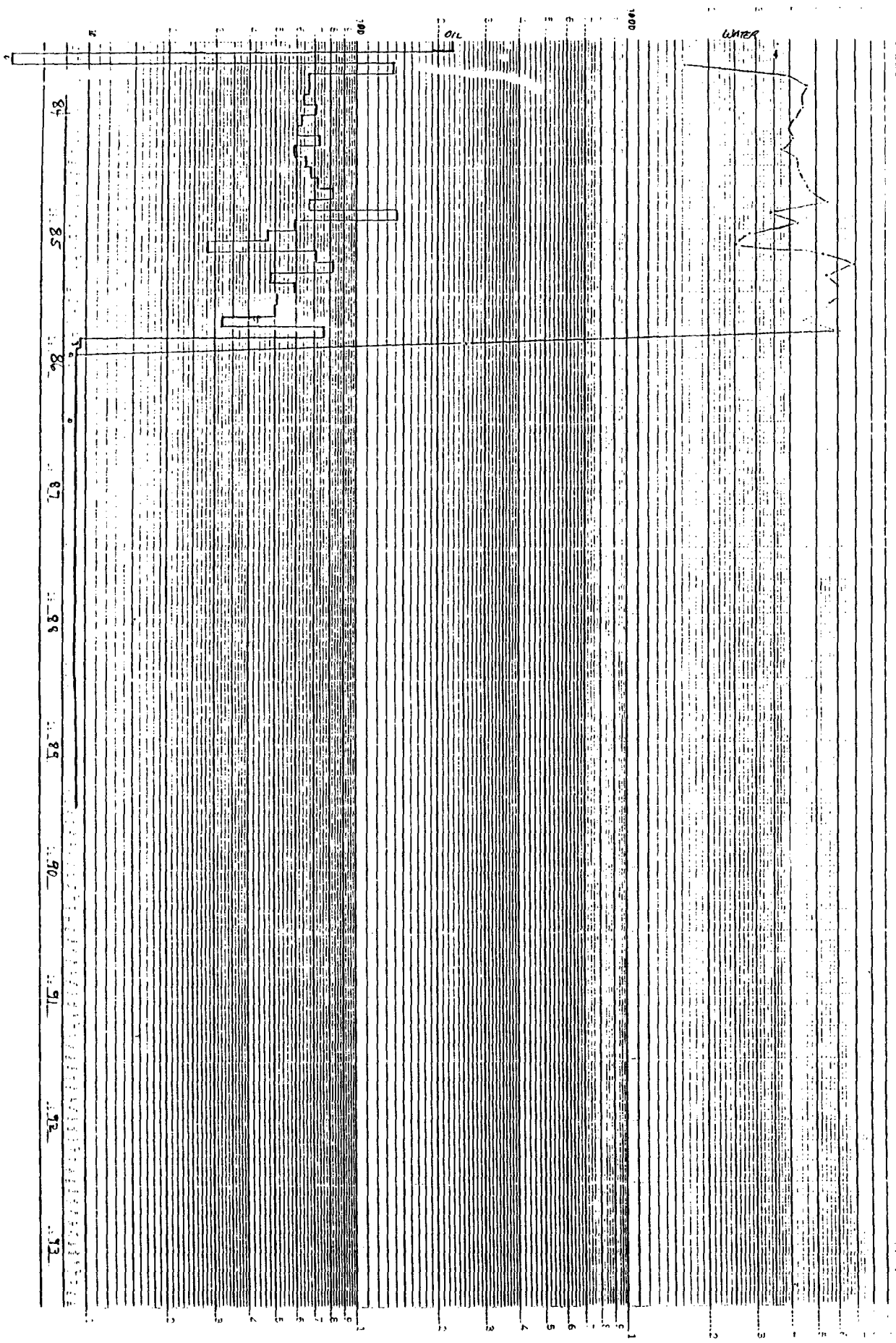


LINE N. SONAR  
IN THE UNIT  
RECEIVED

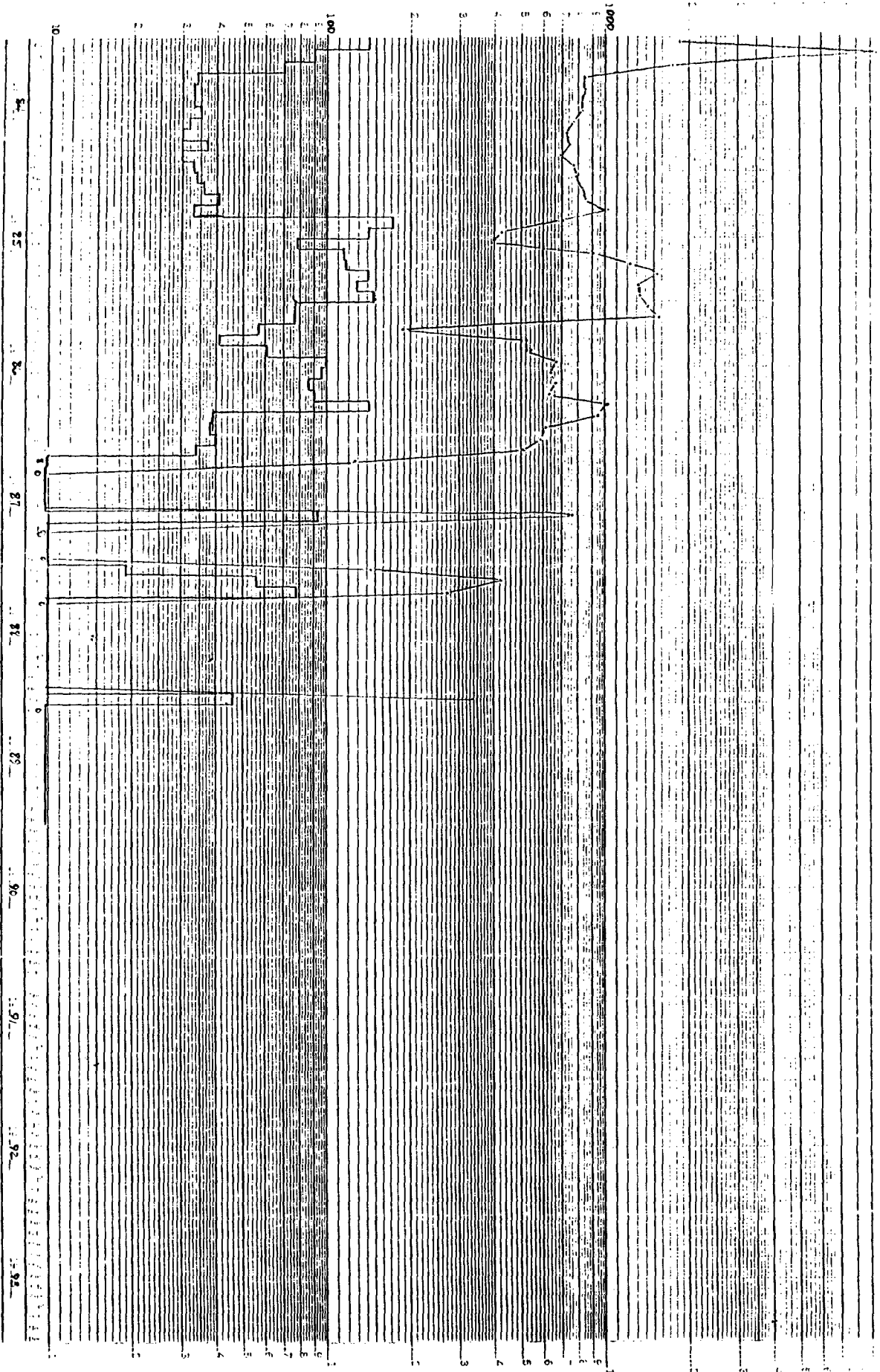




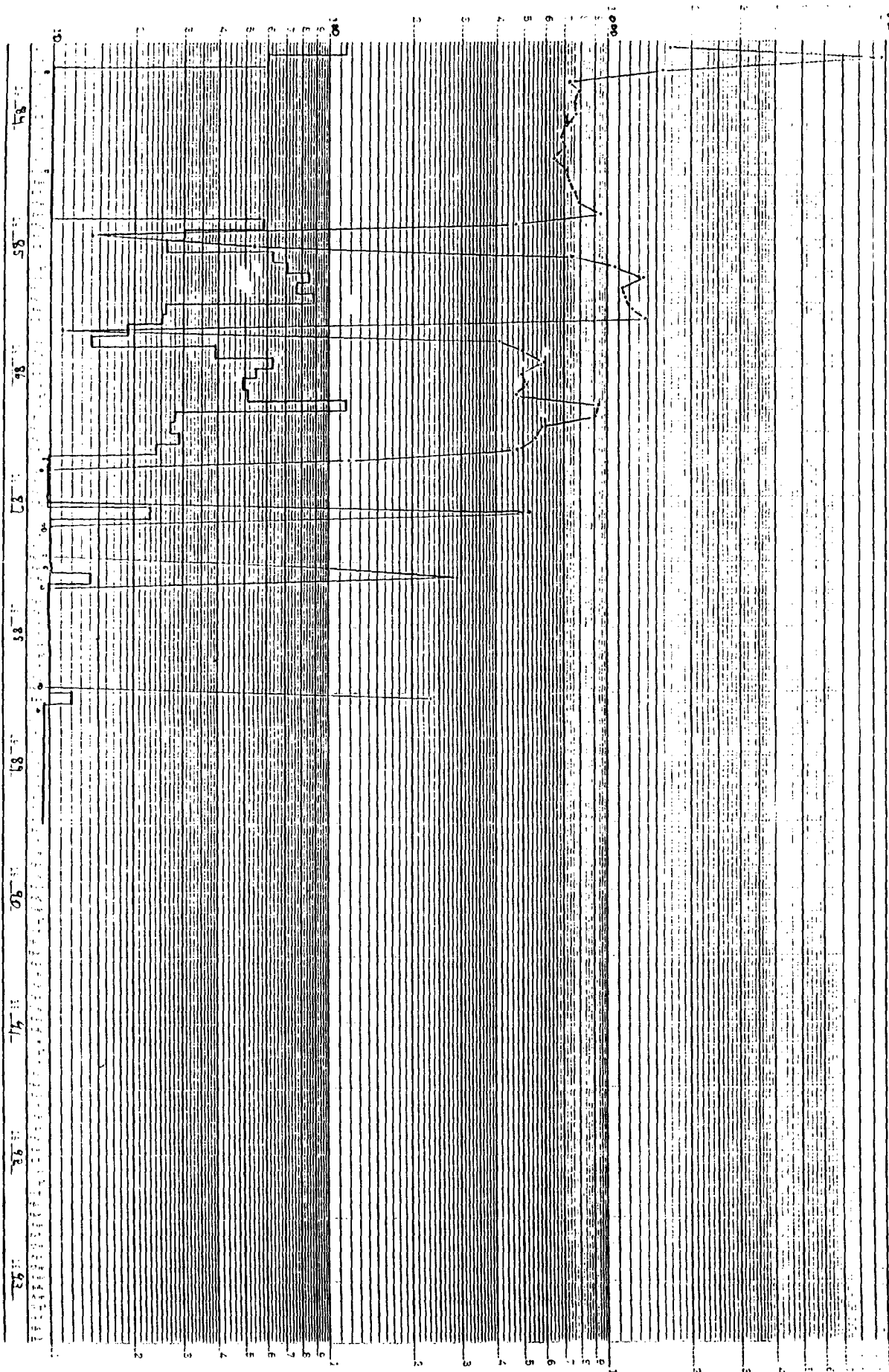
FLYING IN: (San Diego)  
FLYING IN: UNIT  
TRACT 3: TOWNS



FLYING M. (SAN ANGELO)  
FLYING M. LAYER  
TRACT 2 #1

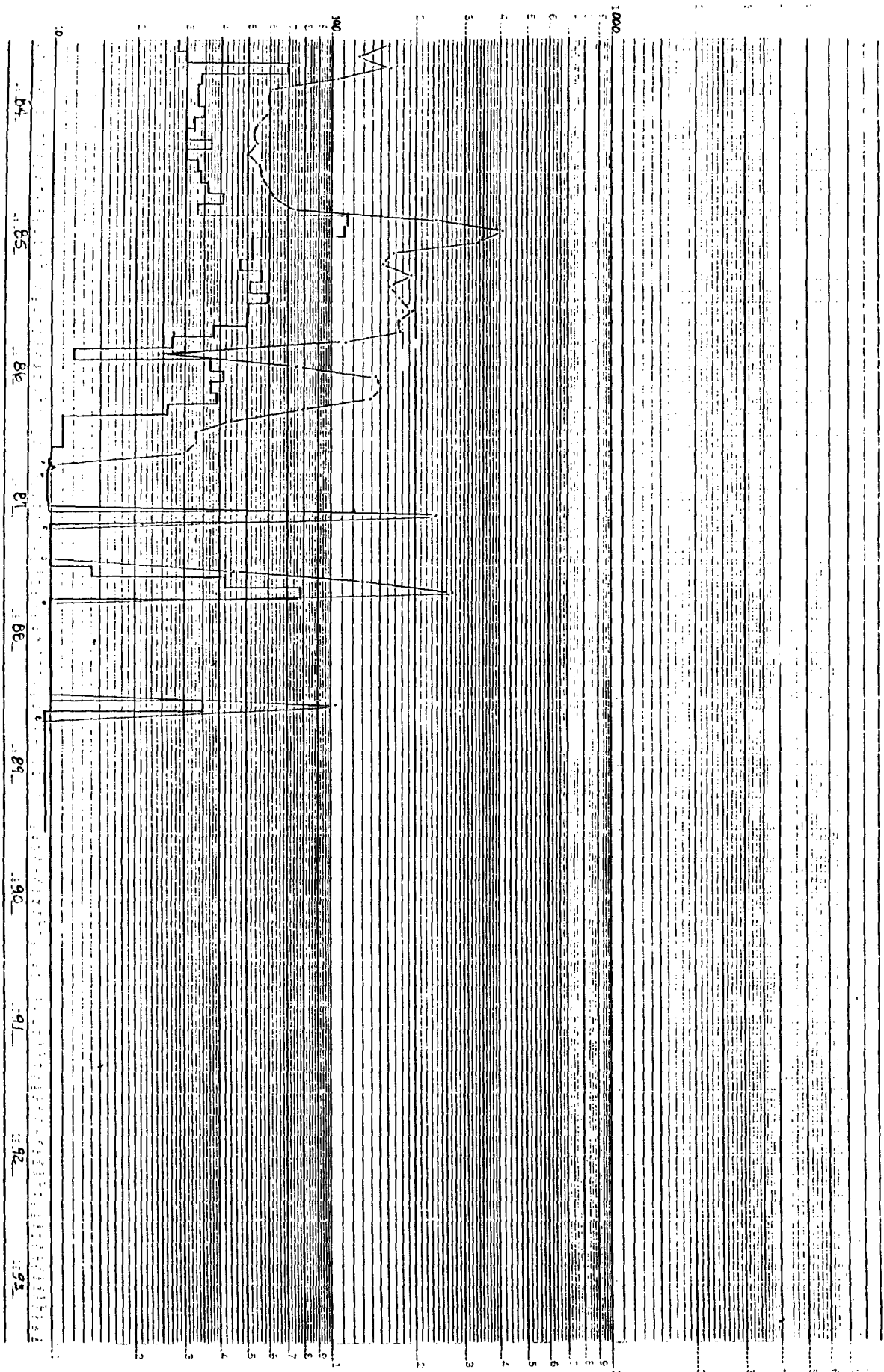


FLYING "M" (SAIL KNOTS)  
FLYING "M" (SAIL KNOTS)  
FLYING "M" (SAIL KNOTS)



FLYING UNIT (SAN Antonio)  
FLYING UNIT  
TRACT 4-11

0.000



84

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89

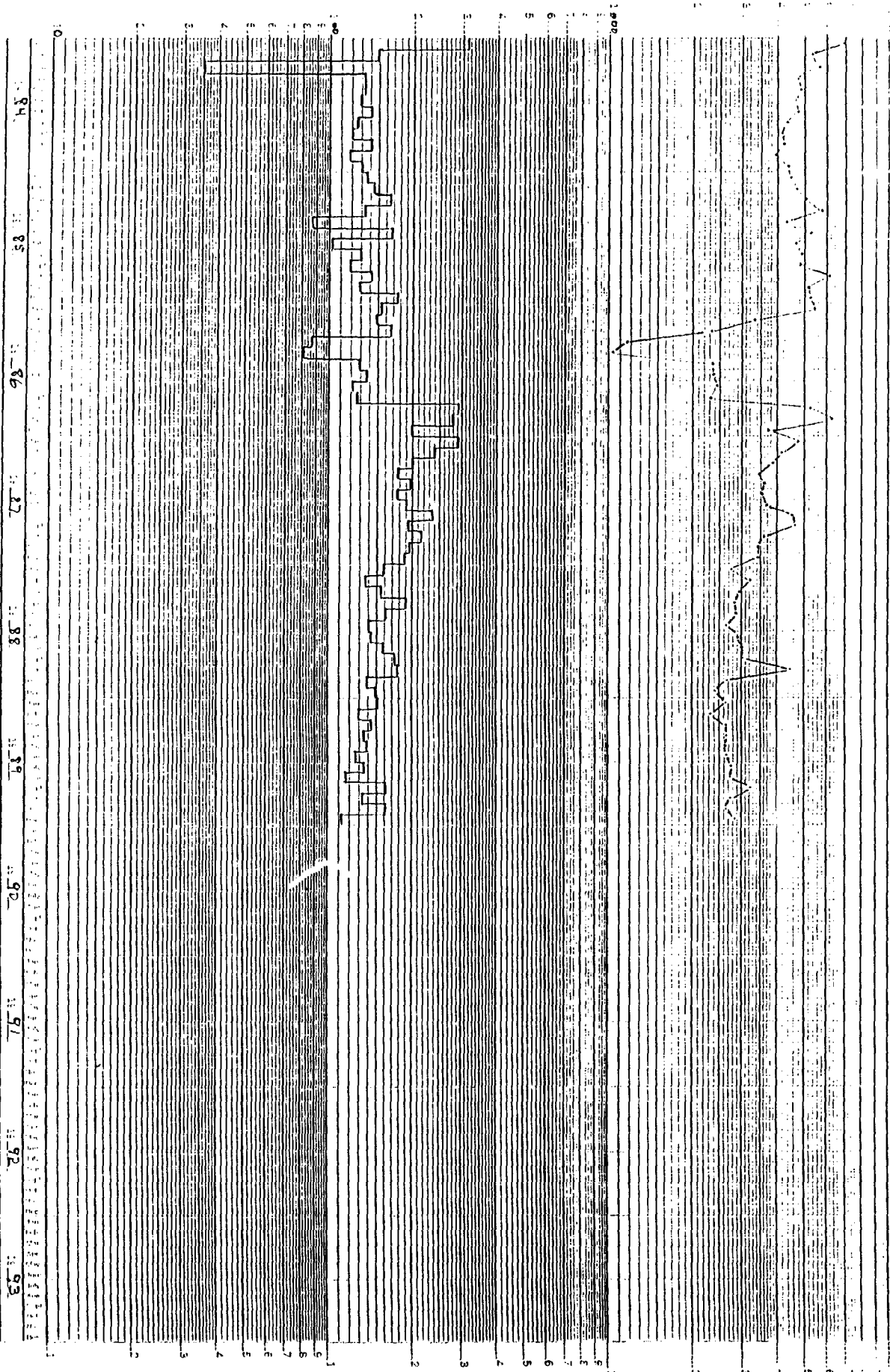
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91

92

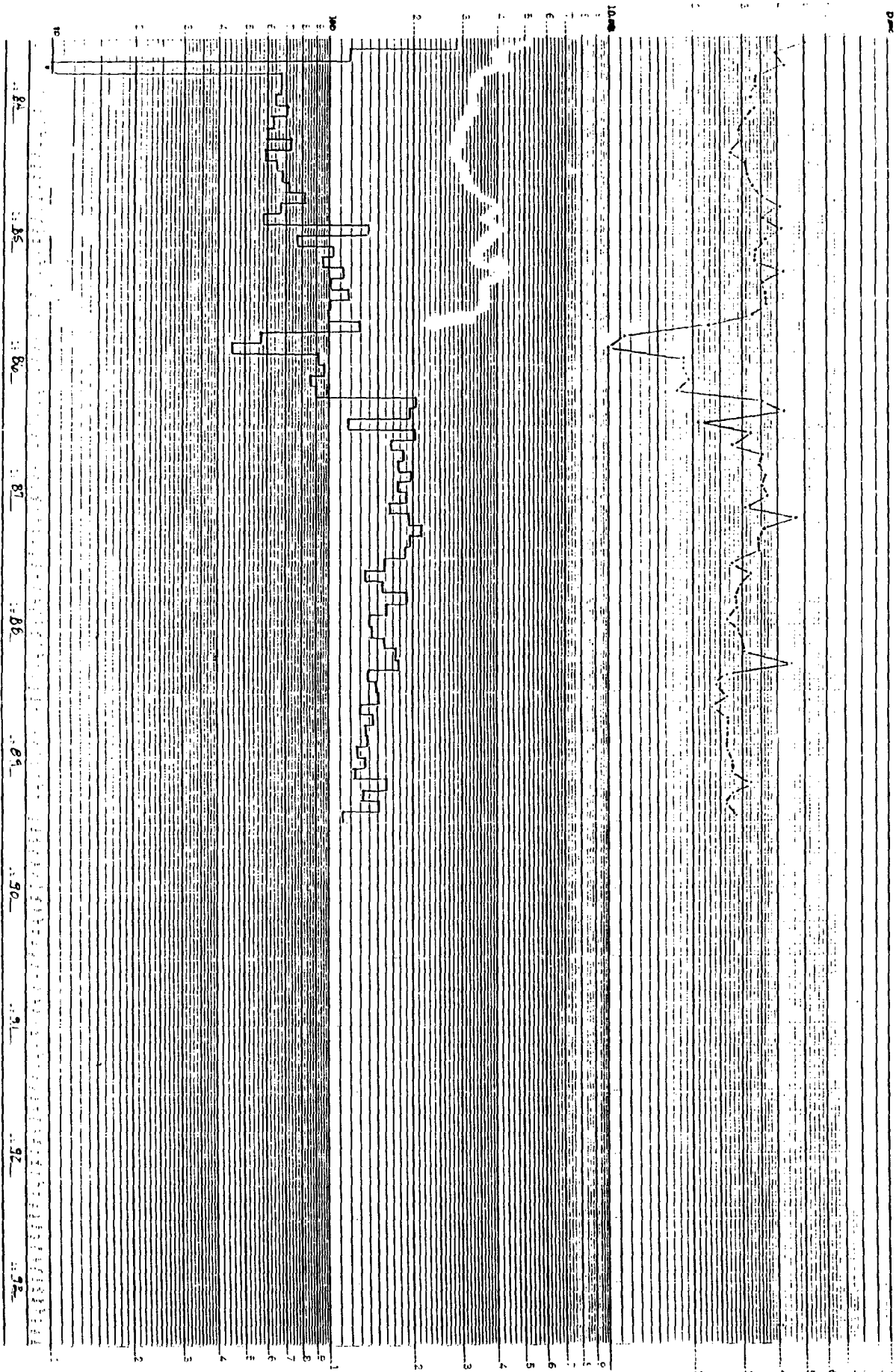
93

Flying "M" (San Antonio)  
Flying "M" Unit  
Track 5 - Total



84 58 86 87 88 89 90 91 92 93

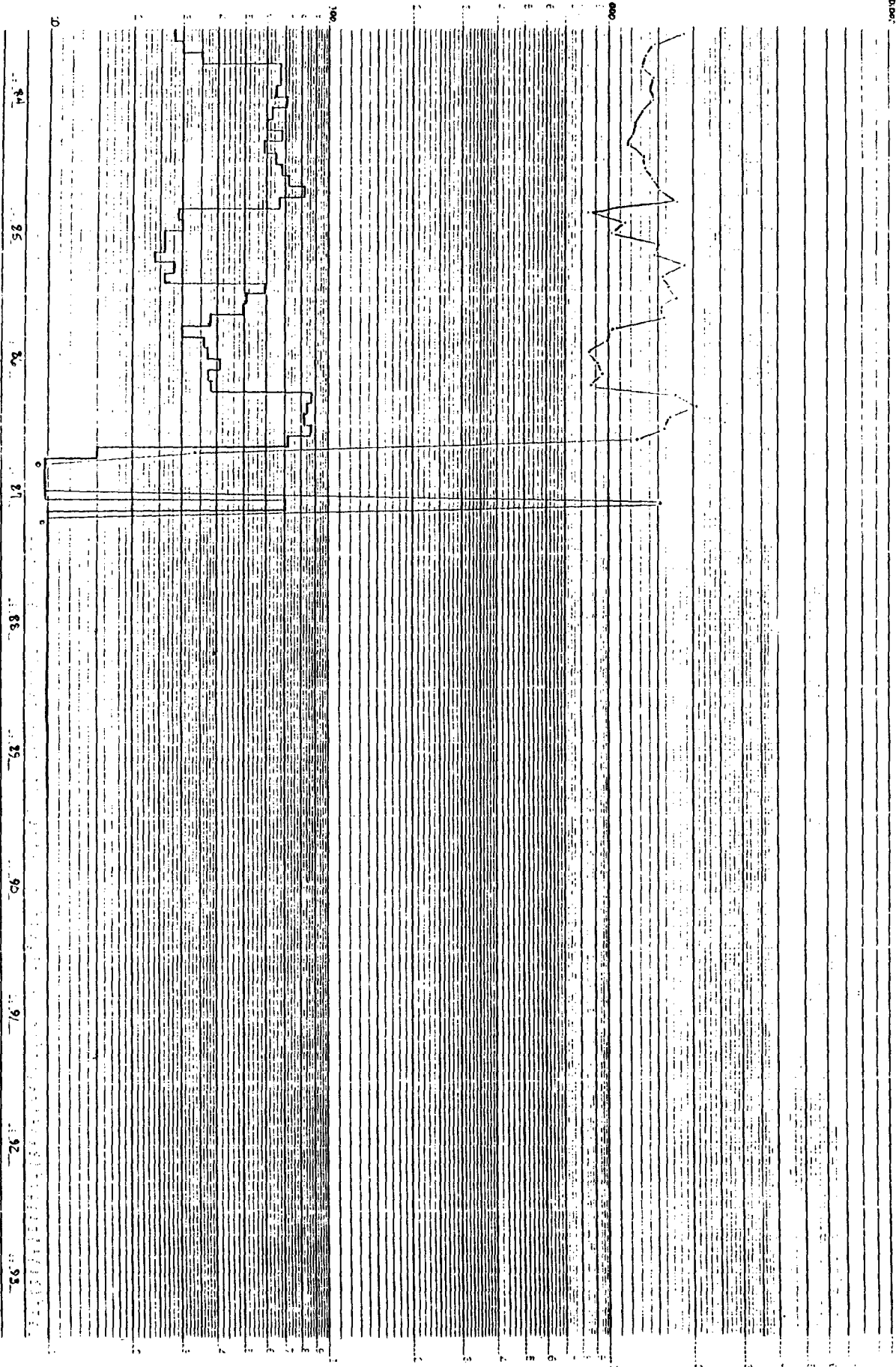
Fluency "N" (Sara Arnold)  
Fluency "N" (Linda)  
Trace 5.01



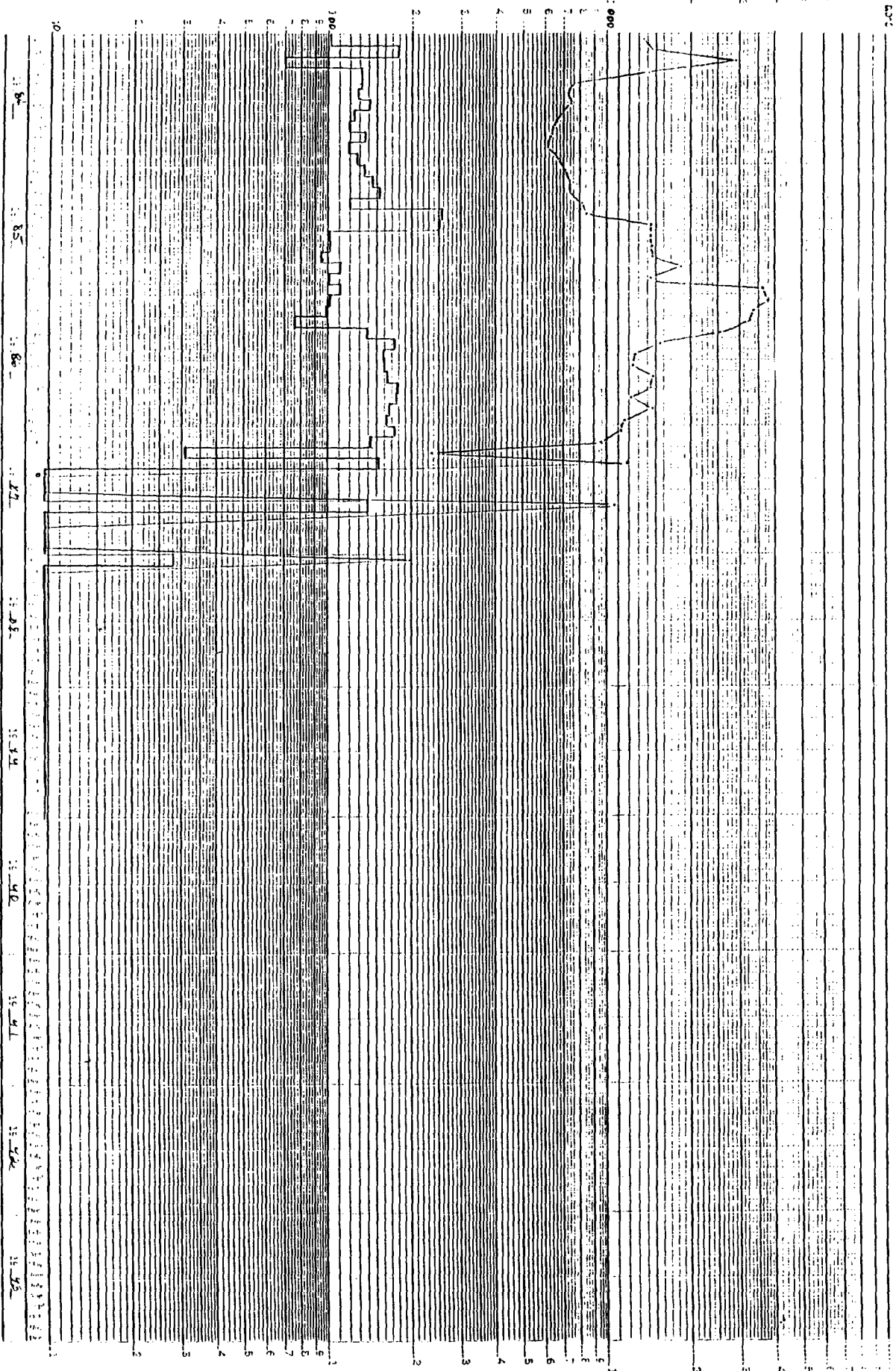


Doc.

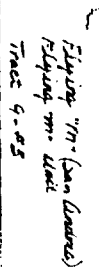
FLYING MR. (Soul Anderson)  
FLYING MR. LUNIT  
TRACT 5-0-3

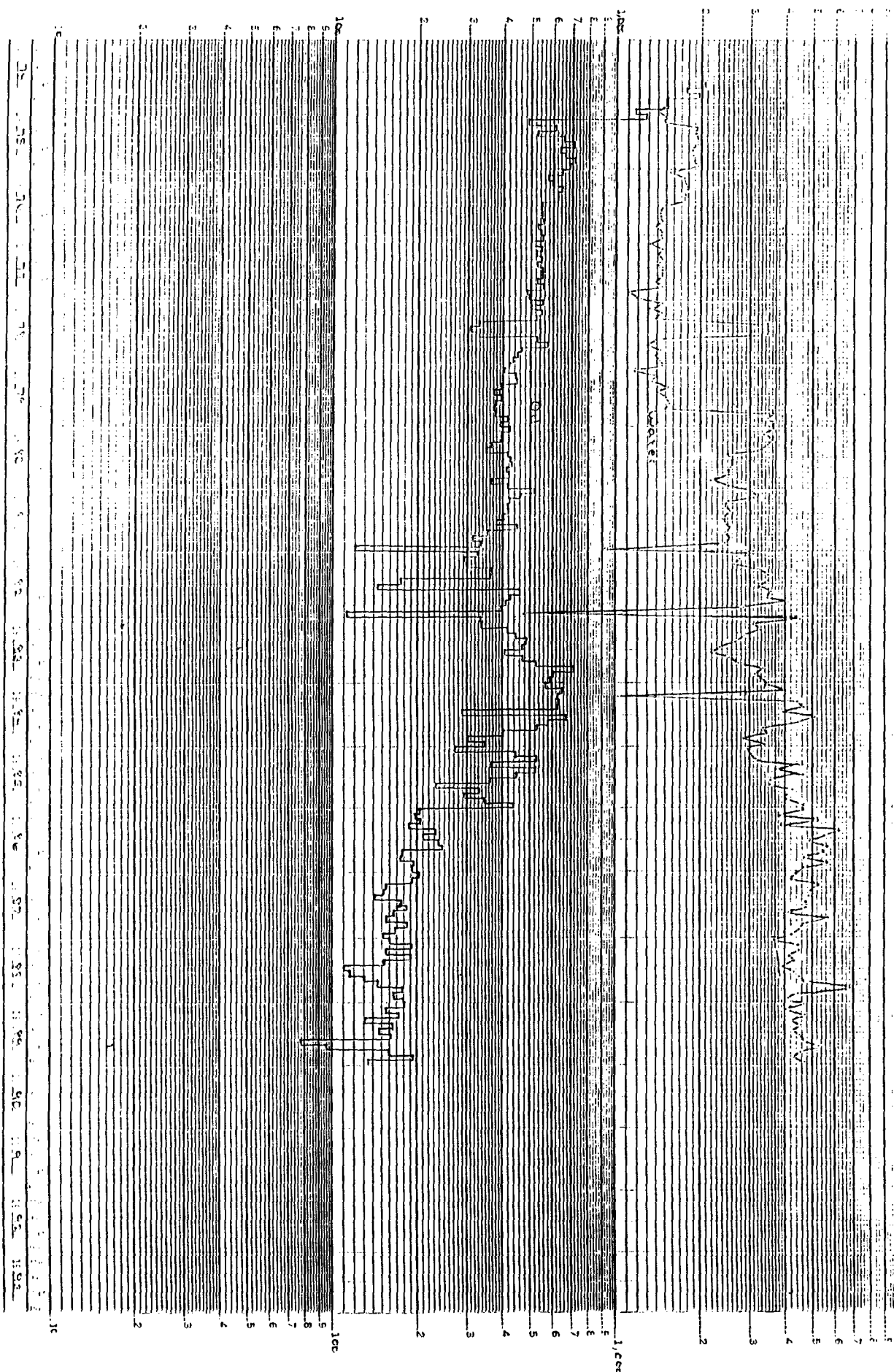


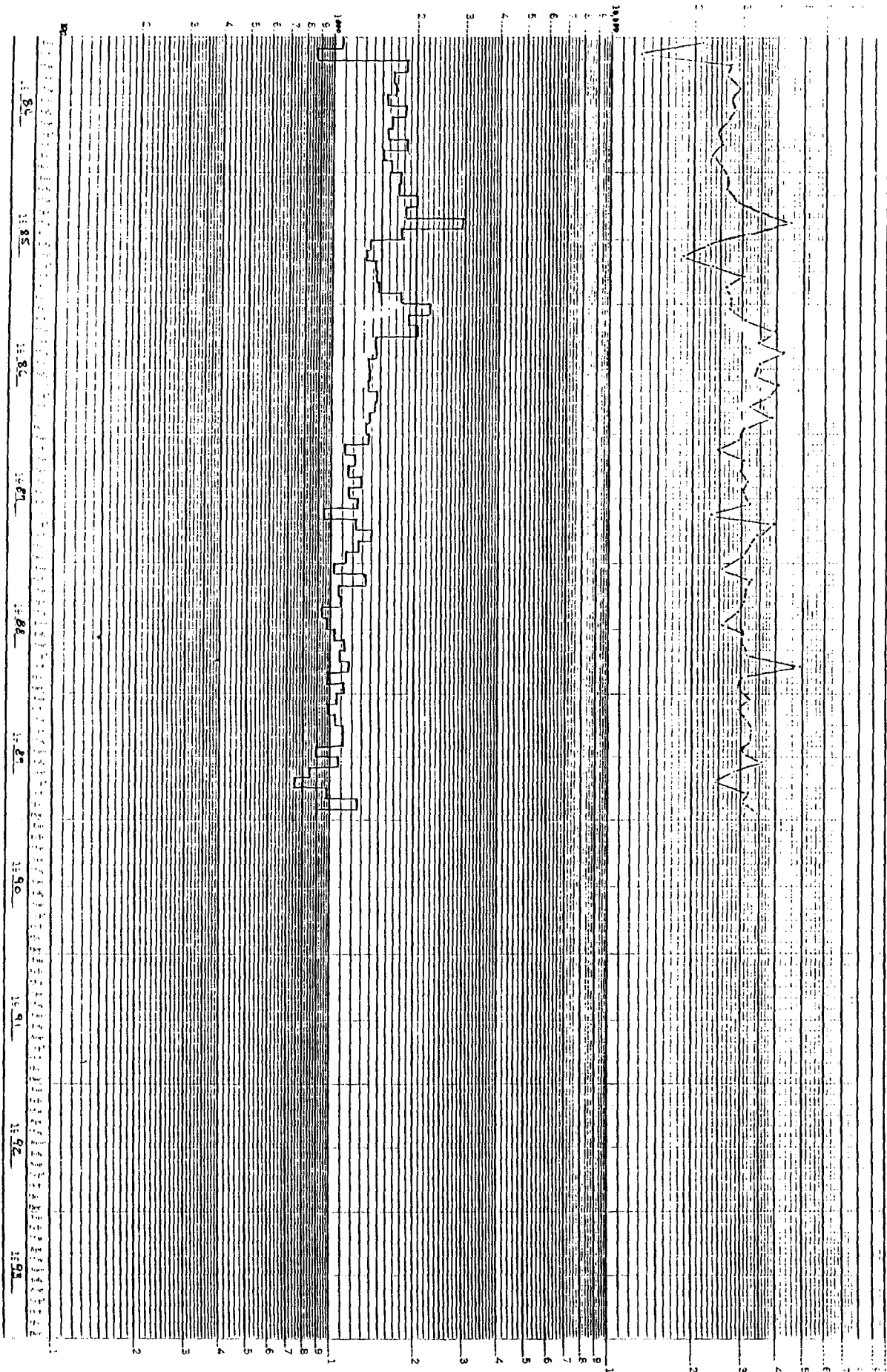




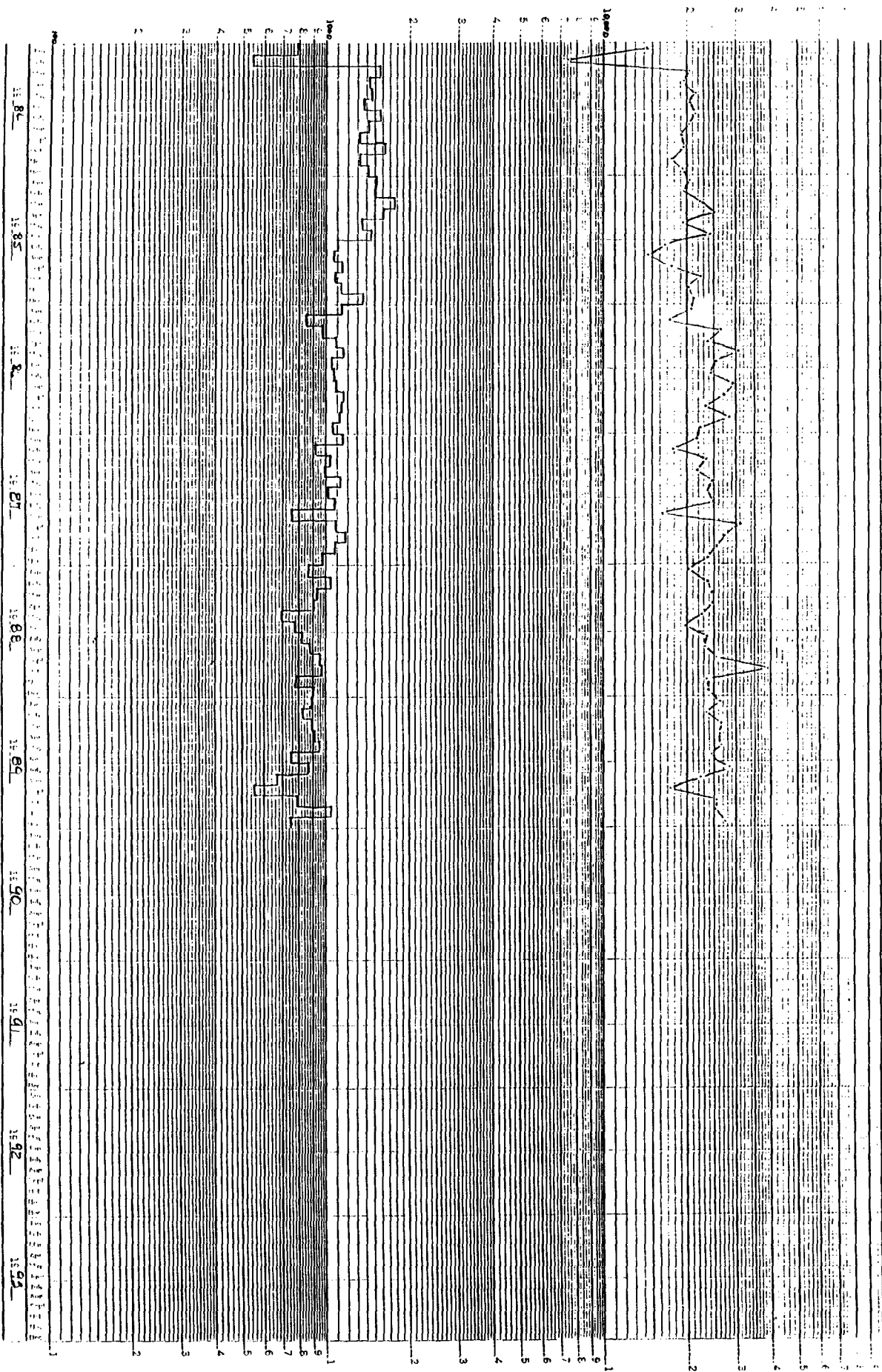
FLYING "M" (Saw 2000s)  
FLYING "M" LEWIS  
1845 6.41



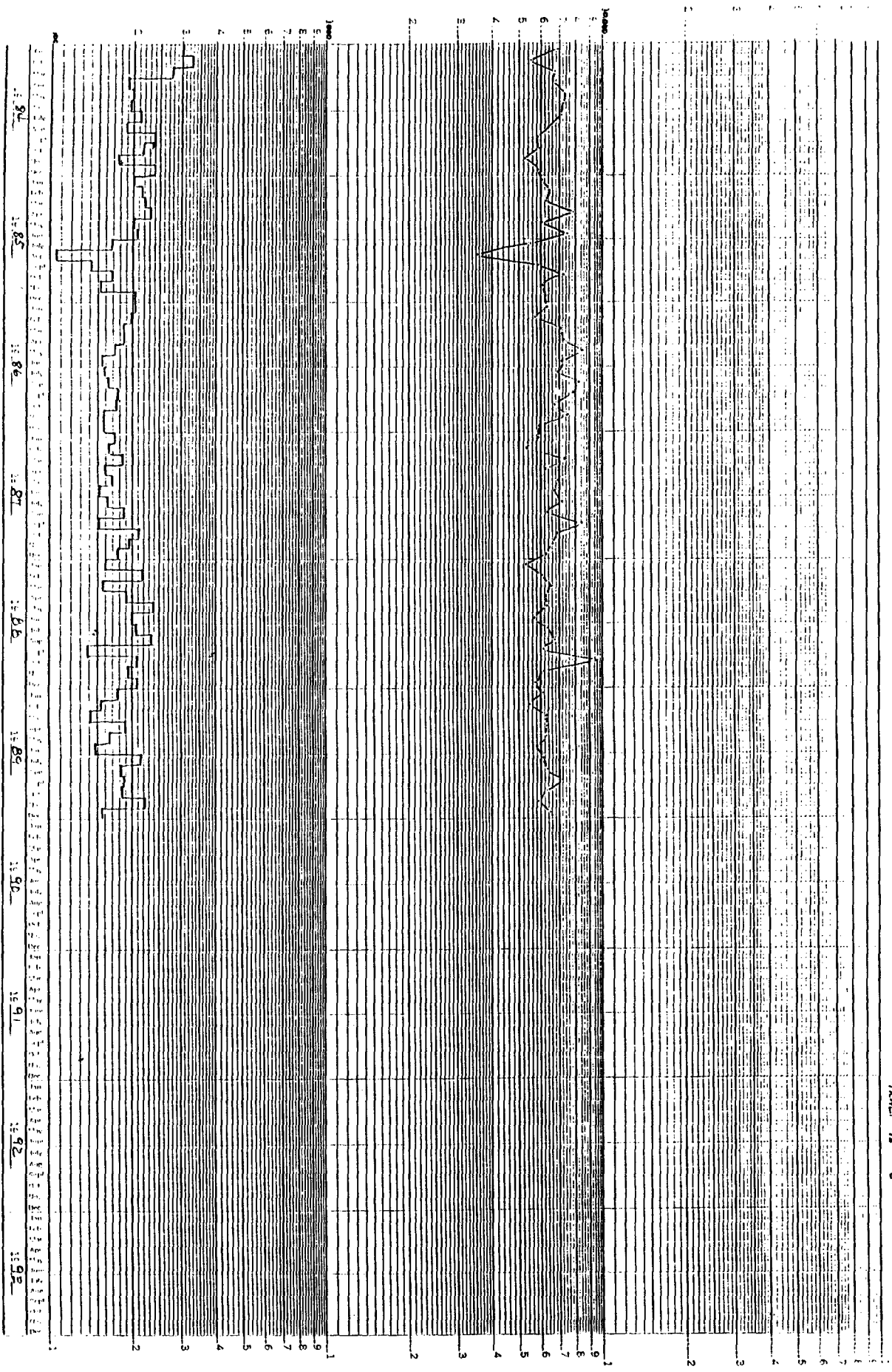




FLYING IN (SAND KNOCK)  
FLYING IN UNIT  
TRAIL 15 - 101

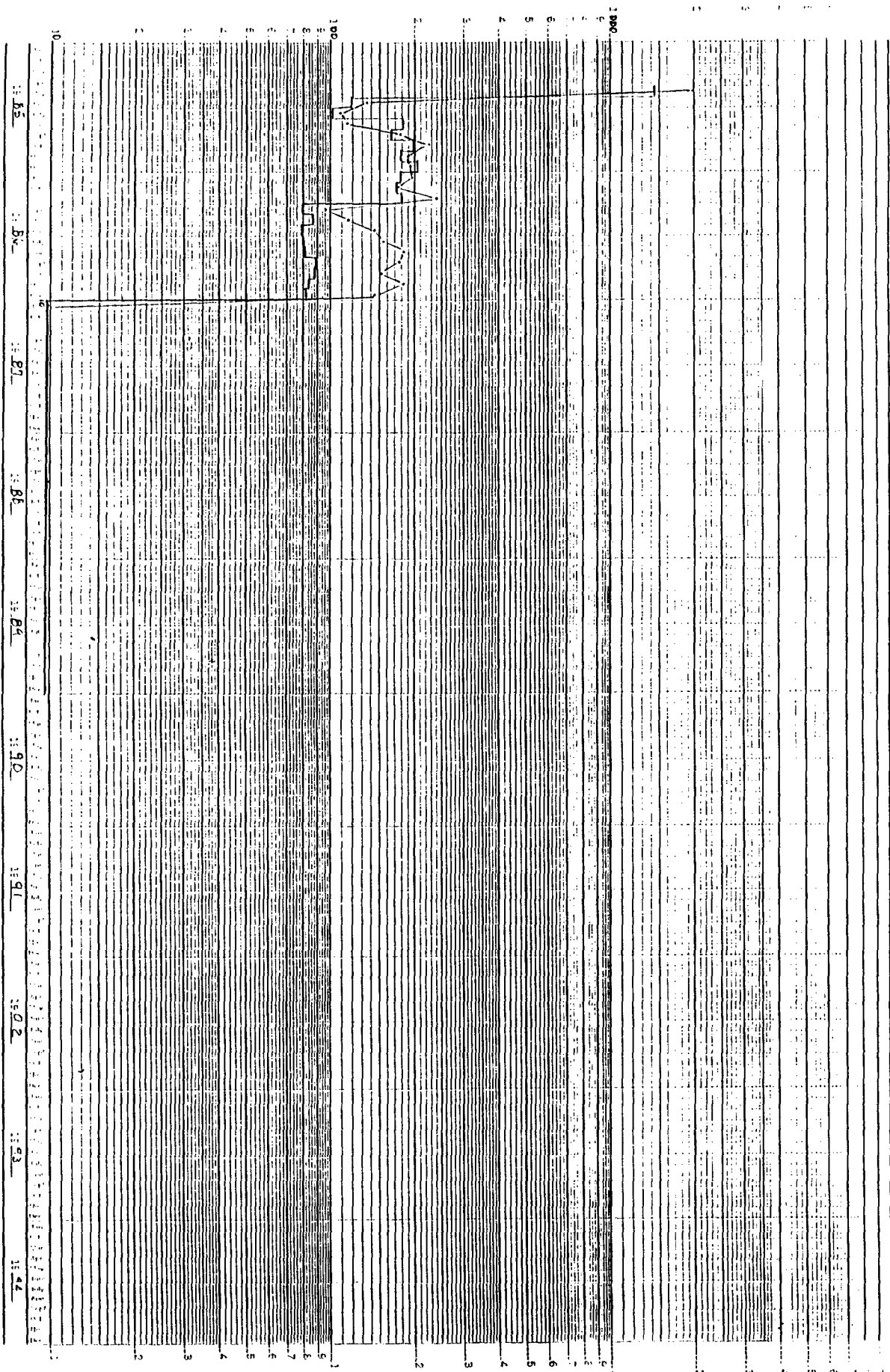


21740 "M" (Semi finished)  
FLYING "M" "L" "H" "U" "I" "T"  
TRAC 13-41

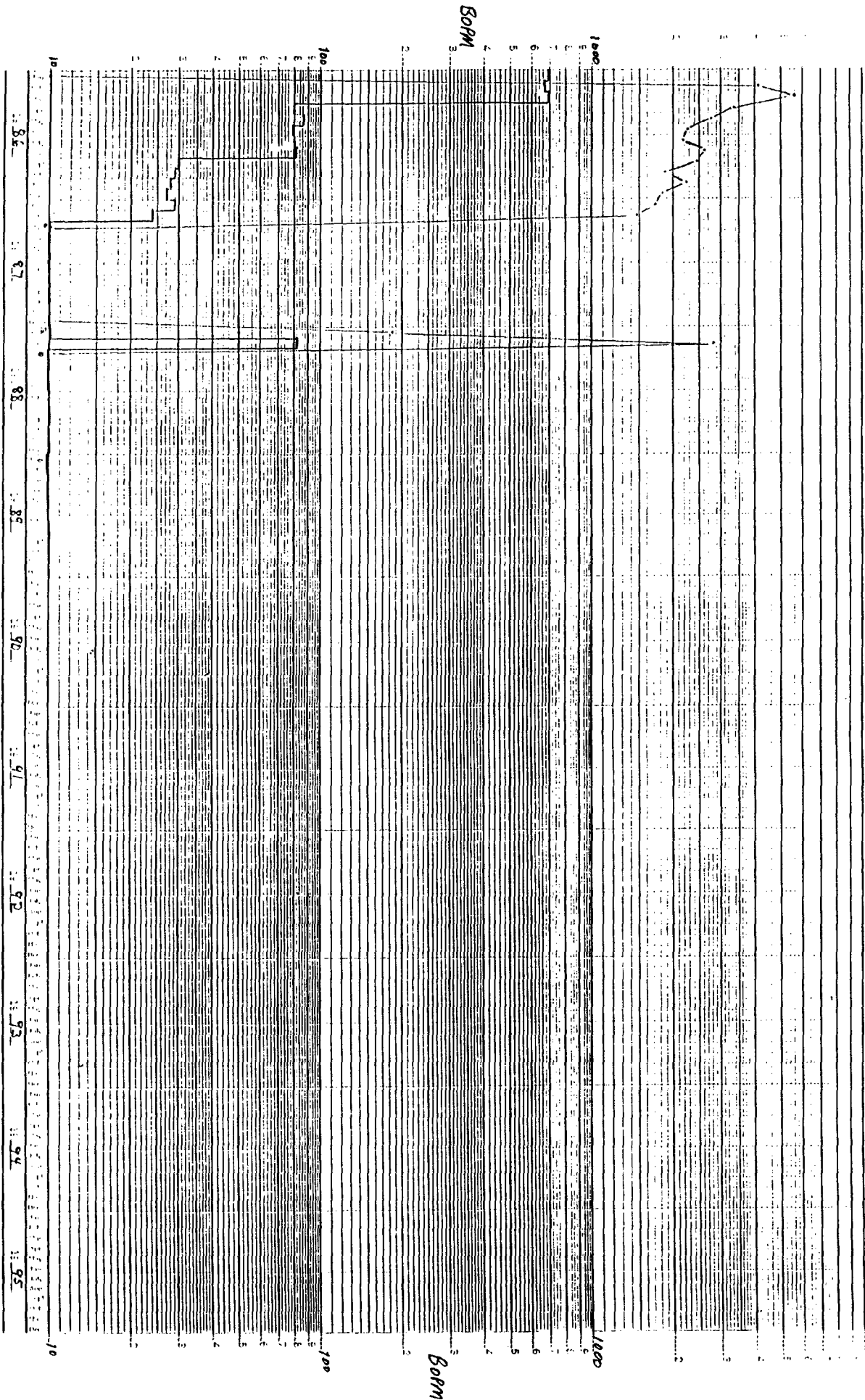


FLYING "M" (San Antonio)  
FLYING "M" UNIT  
TKAT 18 - 42



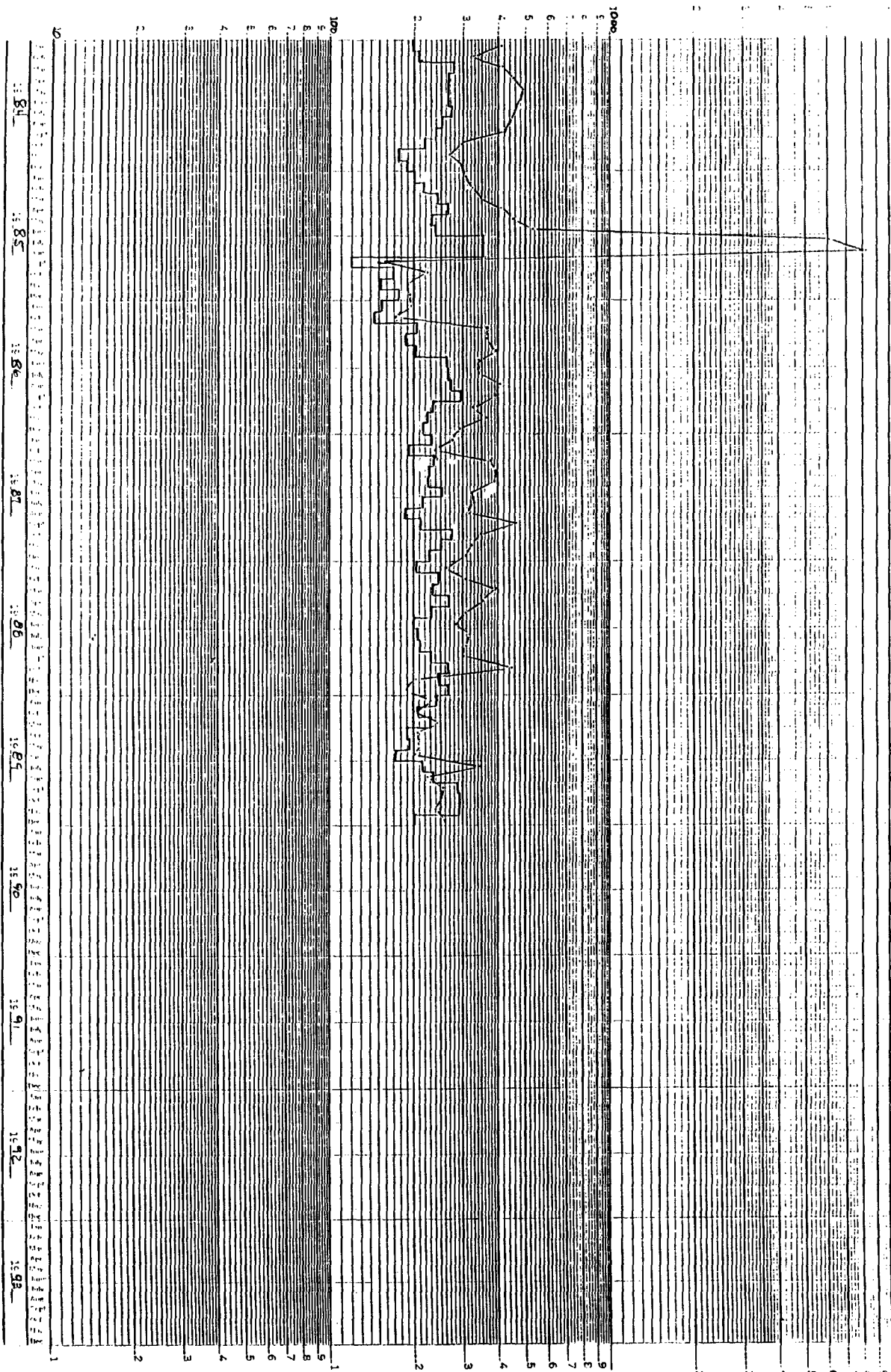


Final m' (San Andres)  
Final m' line  
Trace 13. 24

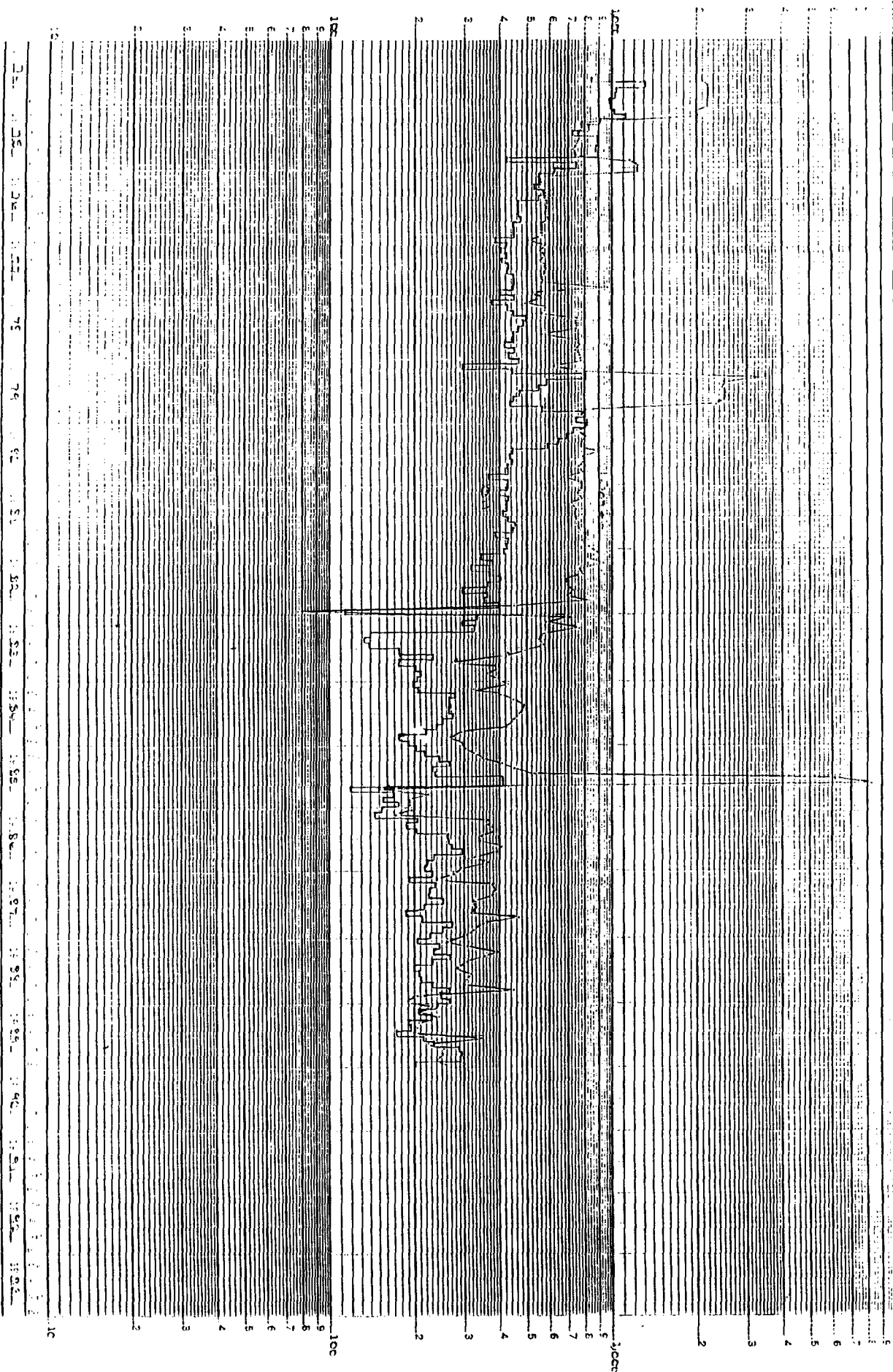


Flying "M" (S.A.) Unit  
T/F 13 6

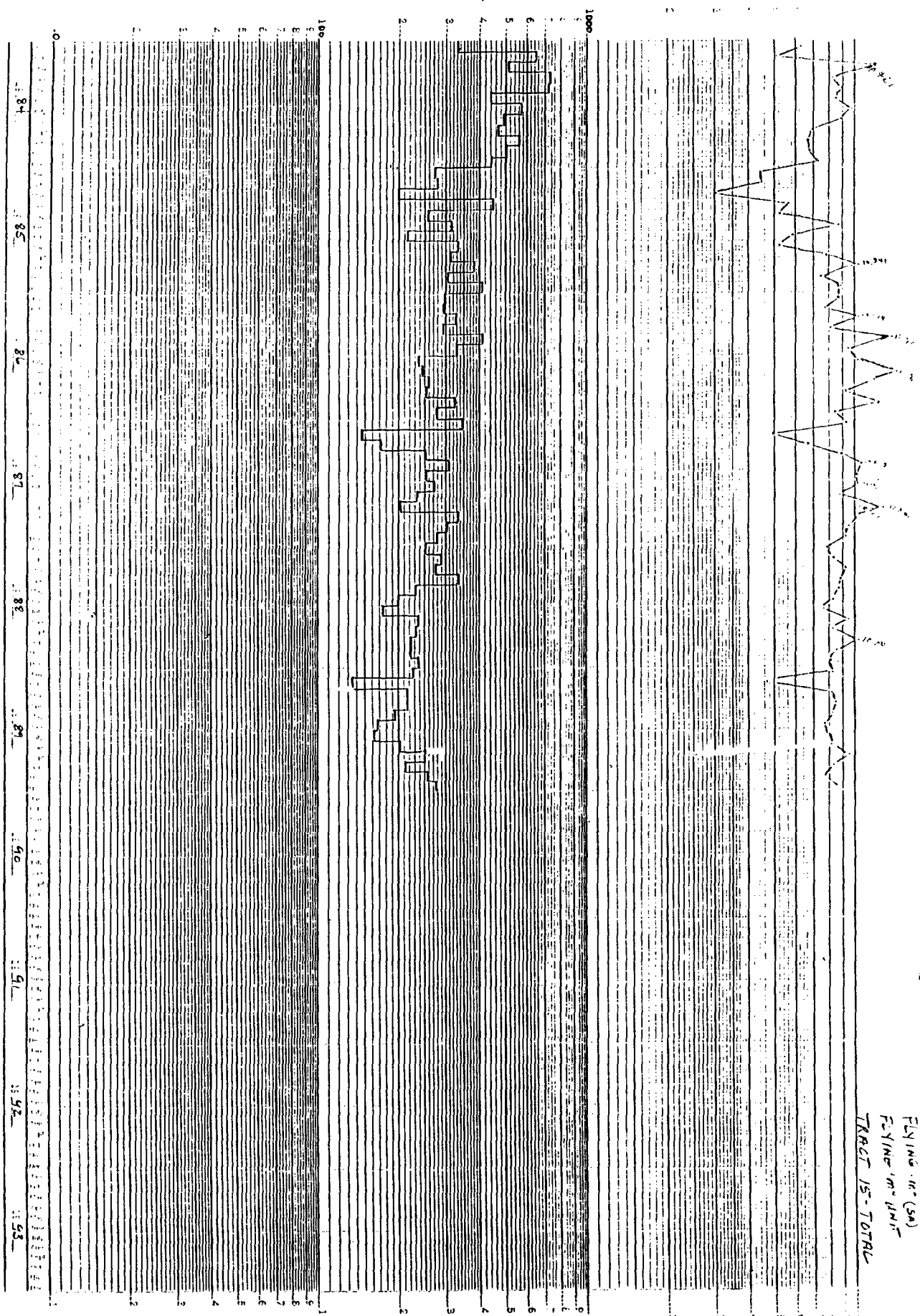


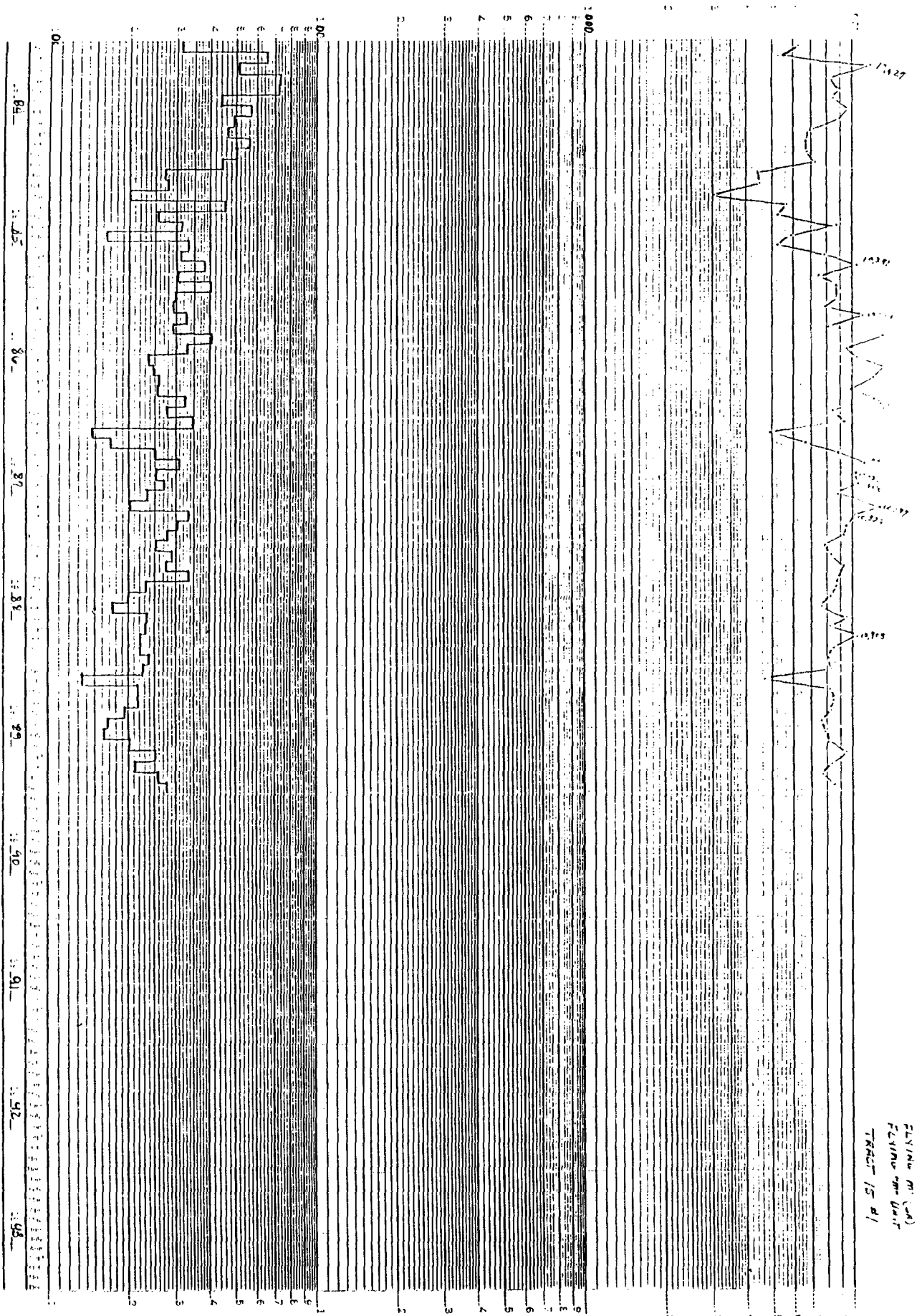


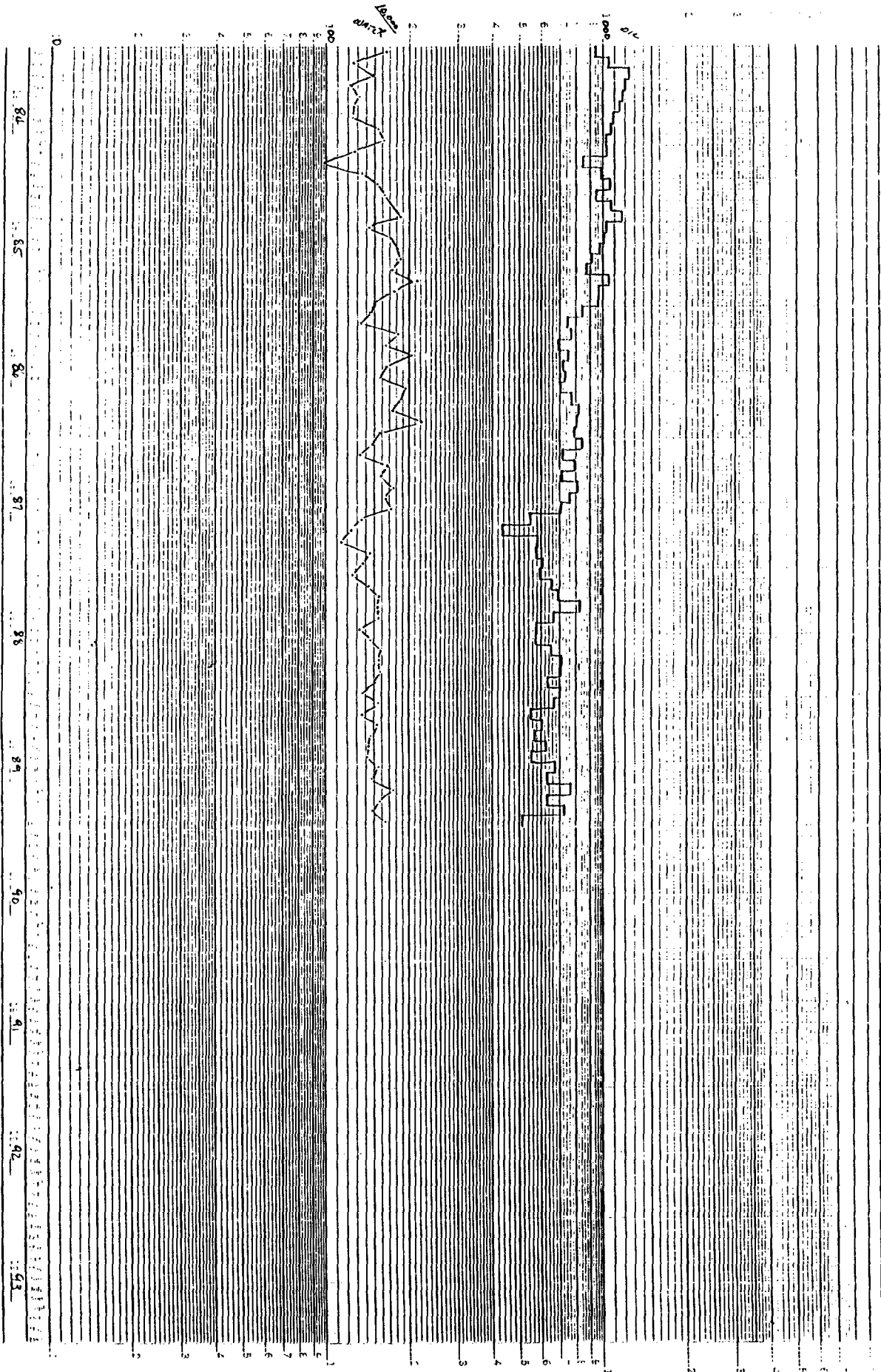
FLYING "M" (Saw Forest)  
FLYING "M" UNIT  
TRAIL 14 - TAPPA



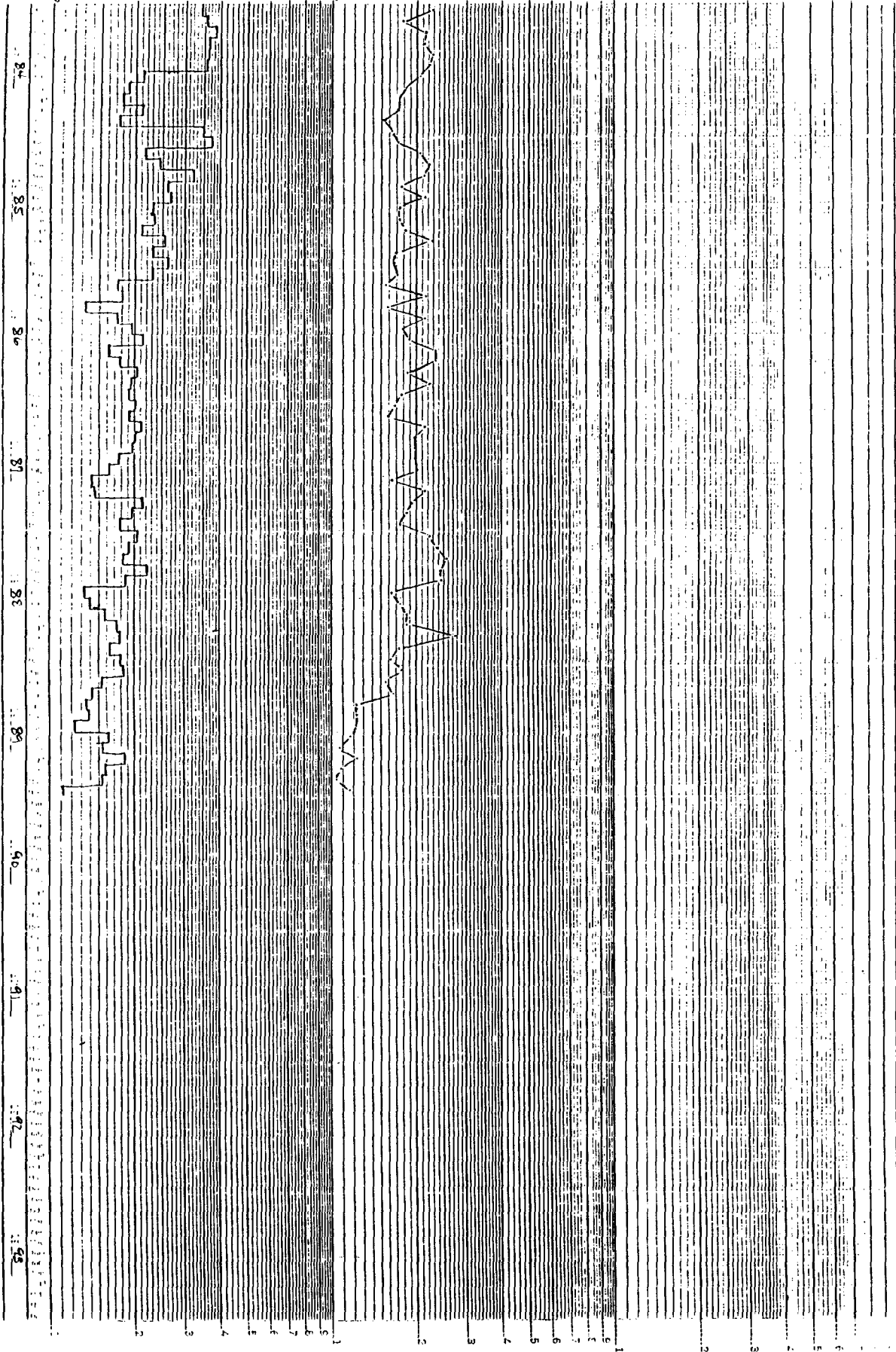
1. Soil moisture  
2. Soil temperature  
3. Soil humidity  
4. Soil salinity  
5. Soil pH  
6. Soil organic matter  
7. Soil nitrogen  
8. Soil phosphorus  
9. Soil potassium  
10. Soil calcium  
11. Soil magnesium  
12. Soil sulfur  
13. Soil zinc  
14. Soil copper  
15. Soil iron  
16. Soil manganese  
17. Soil boron  
18. Soil molybdenum  
19. Soil selenium  
20. Soil vanadium  
21. Soil cobalt  
22. Soil nickel  
23. Soil chromium  
24. Soil cadmium  
25. Soil lead  
26. Soil mercury  
27. Soil arsenic  
28. Soil antimony  
29. Soil tellurium  
30. Soil bismuth  
31. Soil thallium  
32. Soil uranium  
33. Soil plutonium  
34. Soil americium  
35. Soil curium  
36. Soil berkelium  
37. Soil californium  
38. Soil einsteinium  
39. Soil fermium  
40. Soil mendelevium  
41. Soil nobelium  
42. Soil lawrencium  
43. Soil rutherfordium  
44. Soil dubnium  
45. Soil seaborgium  
46. Soil bohrium  
47. Soil hassium  
48. Soil meitnerium  
49. Soil darmstadtium  
50. Soil roentgenium  
51. Soil copernicium  
52. Soil nihonium  
53. Soil flerovium  
54. Soil oganesson



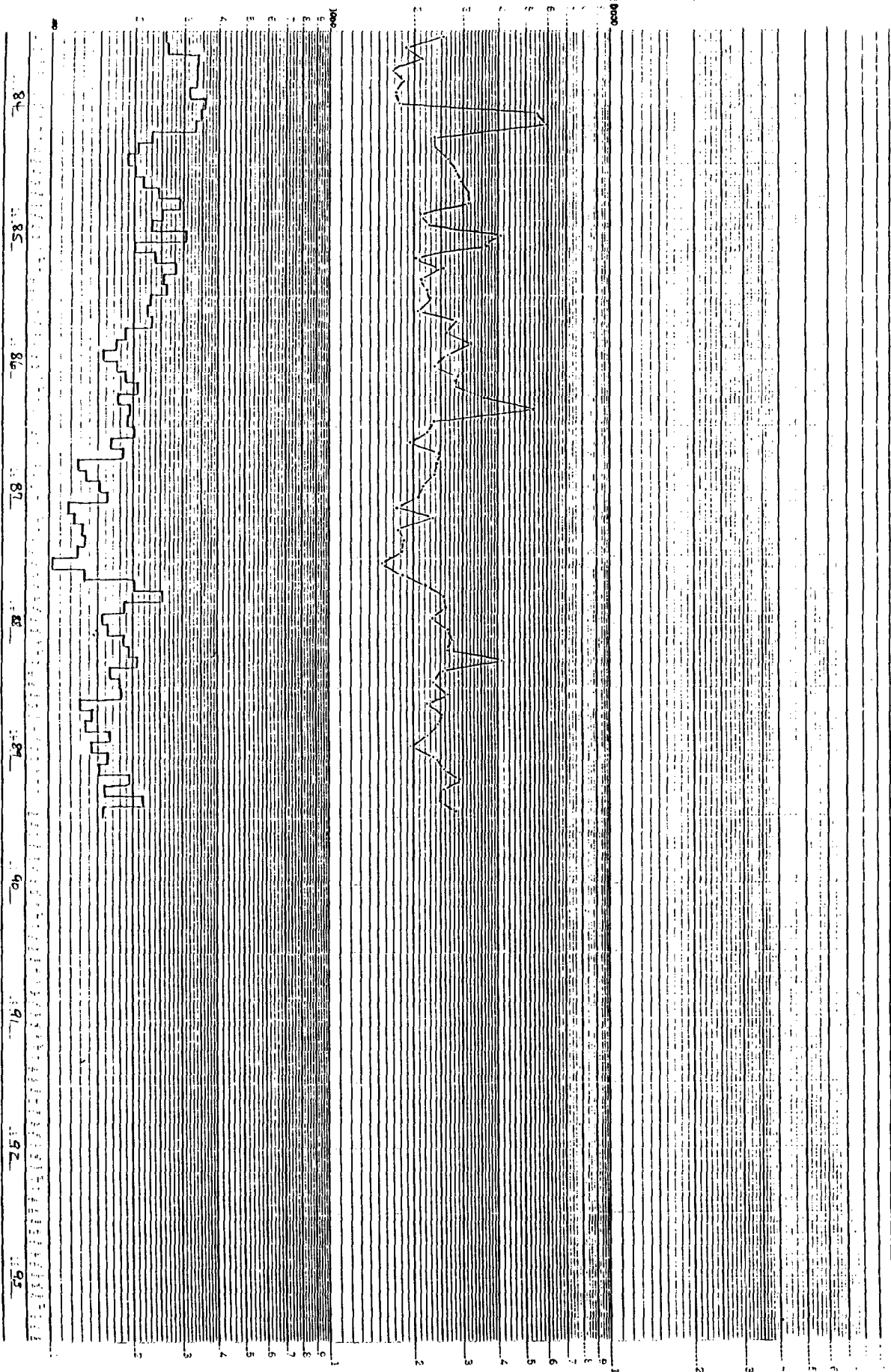




FLYING IN (SAN ANTONIO)  
FLYING IN (SAN ANTONIO)  
FLYING IN (SAN ANTONIO)  
FLYING IN (SAN ANTONIO)

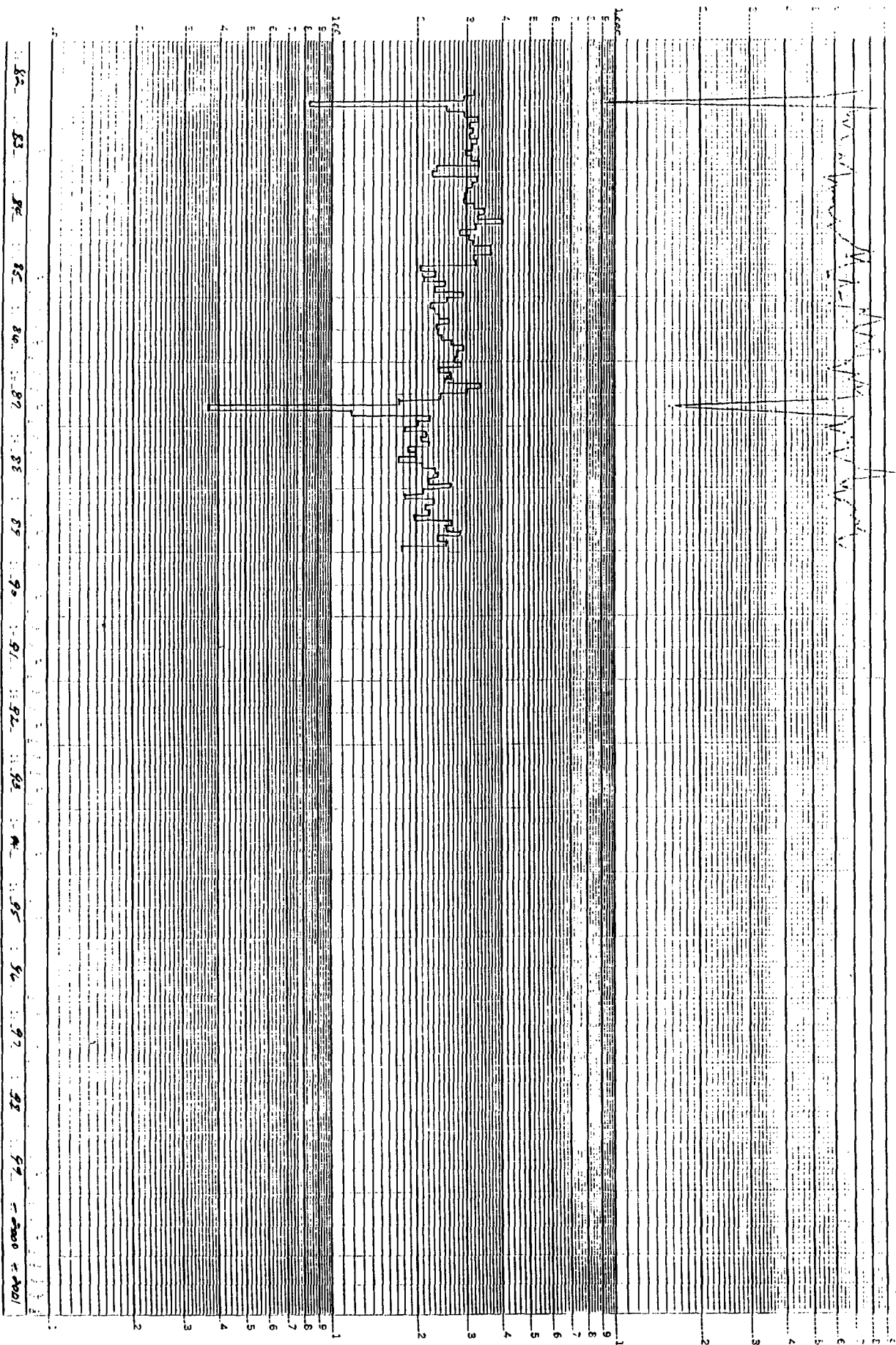


FLYING "M" (San Antonio)  
FLYING "M" (San Antonio)  
FLYING "M" (San Antonio)



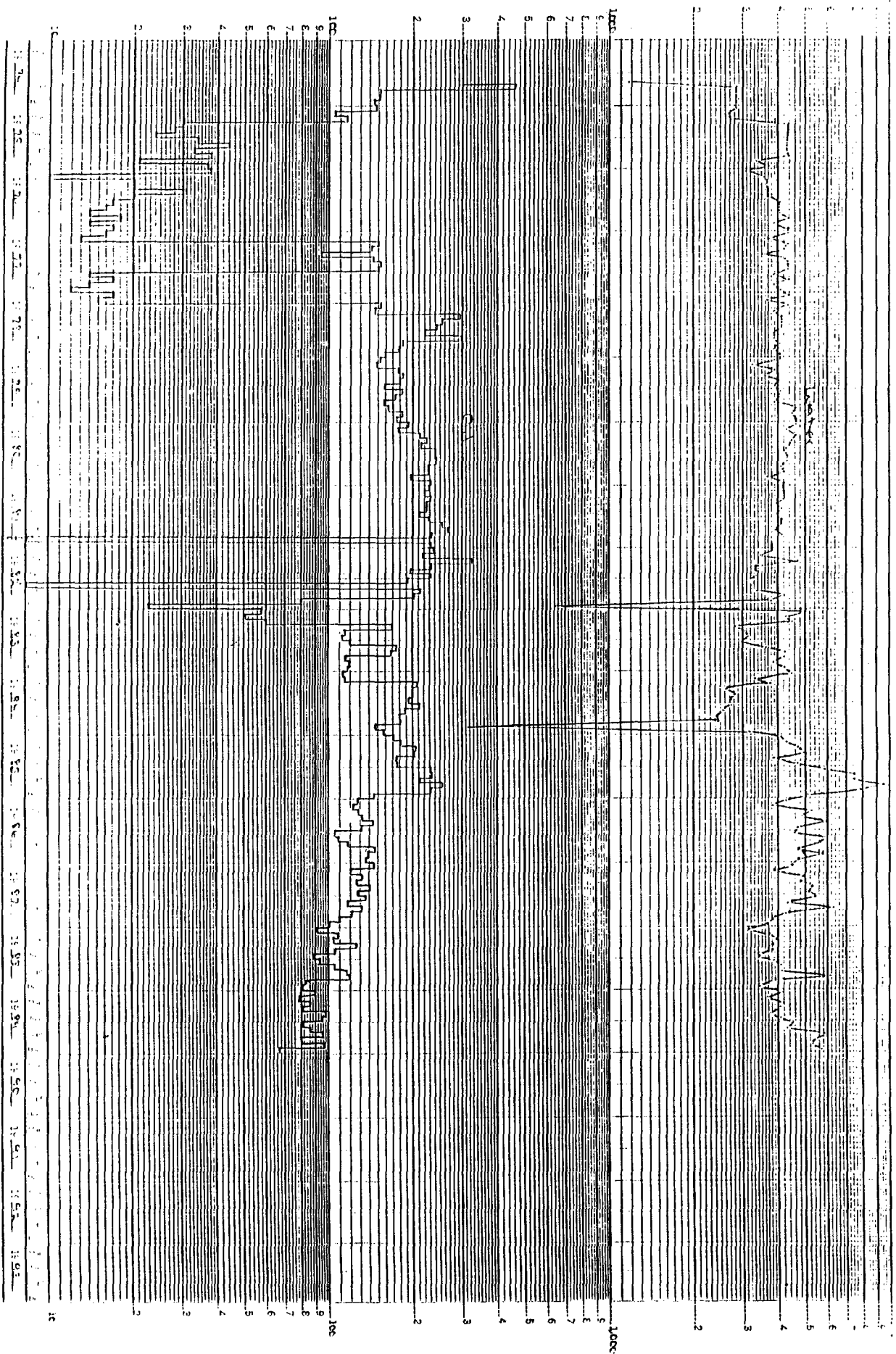
LINE "M" (SUN ANDERS)  
LINE "M" UNIT  
TACT 17-#2





Handwritten notes and signatures at the bottom right of the page.





17 6840  
RENTAL A REPT CO.  
NEW YORK

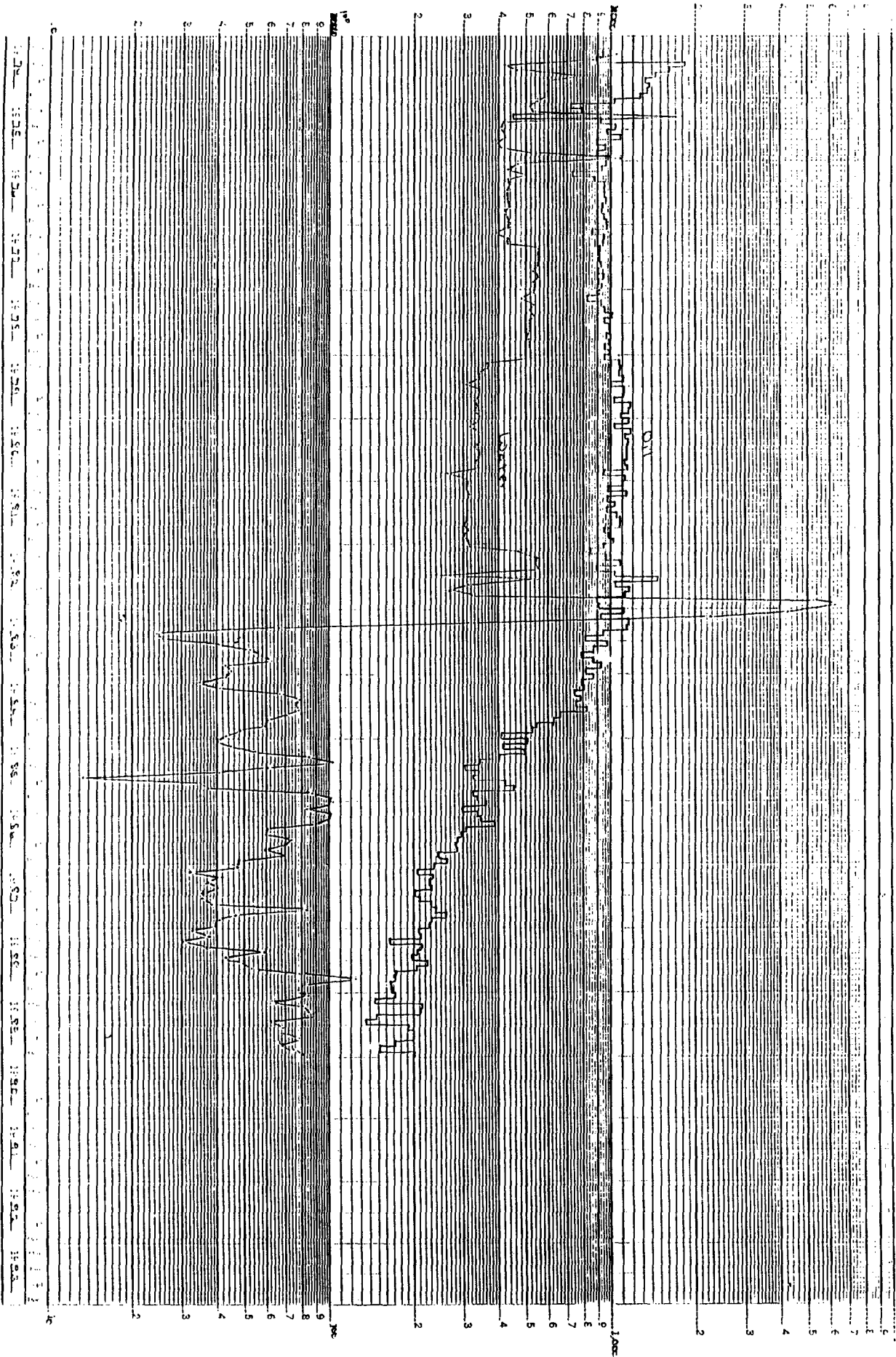
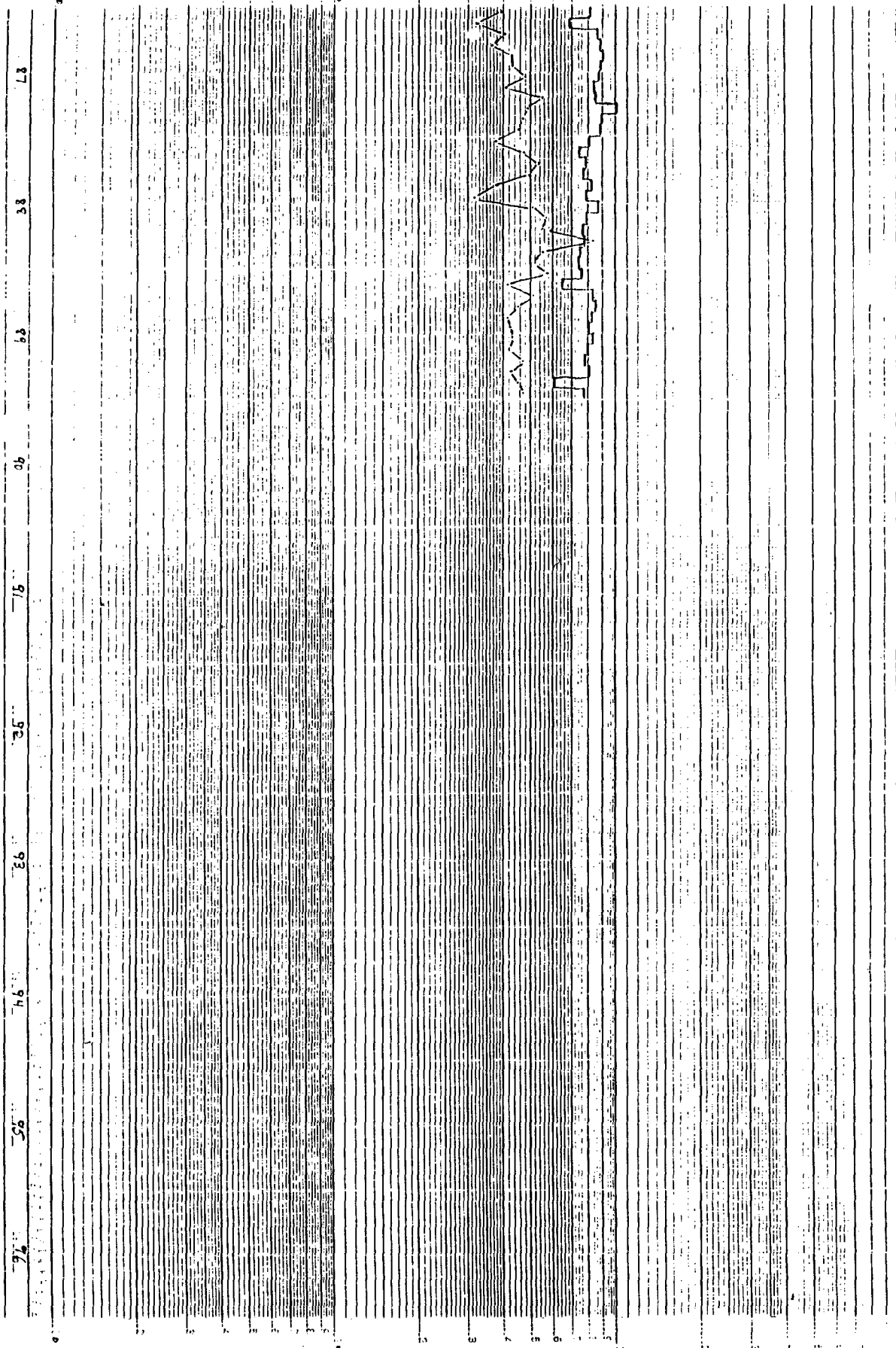


Fig. 101 (Scan Andrew)  
 Fig. 101 (Scan Andrew)  
 Fig. 101 (Scan Andrew)



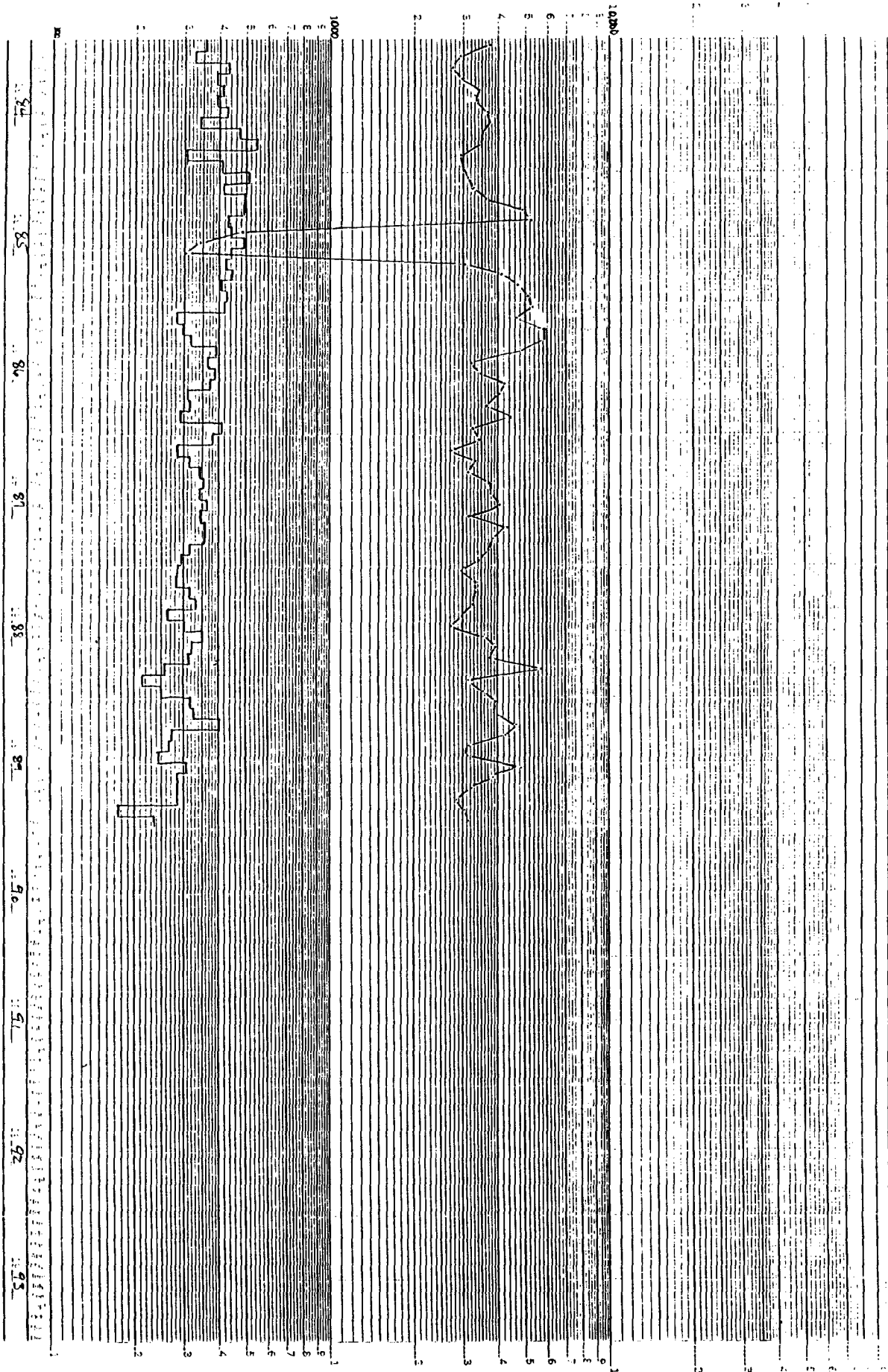
Flying "M" (San Antonio)  
Flying "M" Unit  
Track 24 #2

87 88 89 90 91 92 93 94 95 96

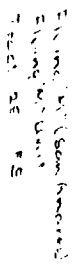


84 85 86 87 88 89 90 91 92 93

Using 10" (See above)  
Using 7 1/2" Unit  
1/2" 25- Microl



FLYING W. (Saw Holes)  
FLYING W. UNIT  
TRAC 25 #1



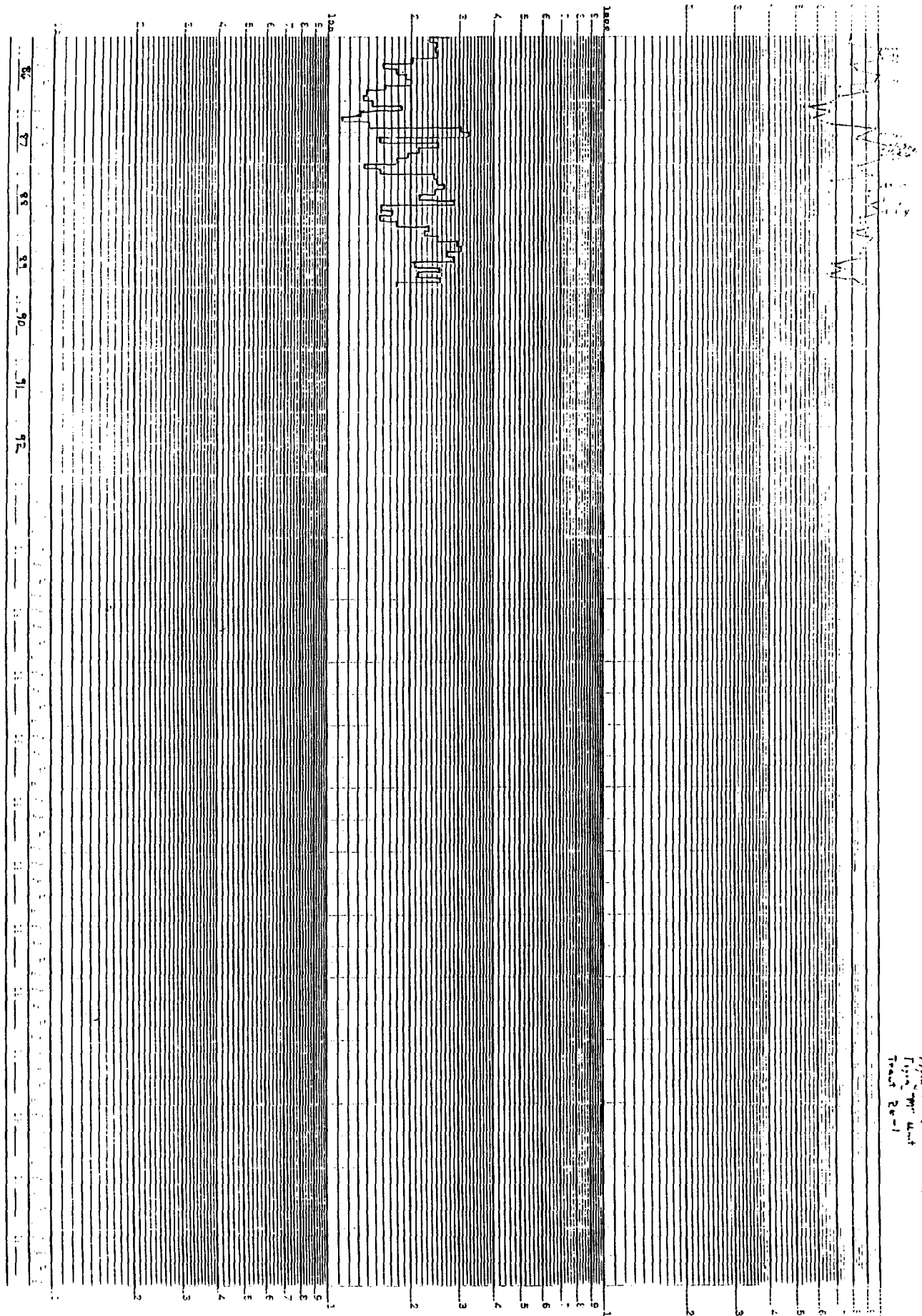
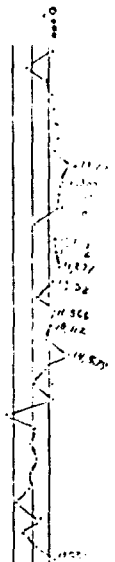
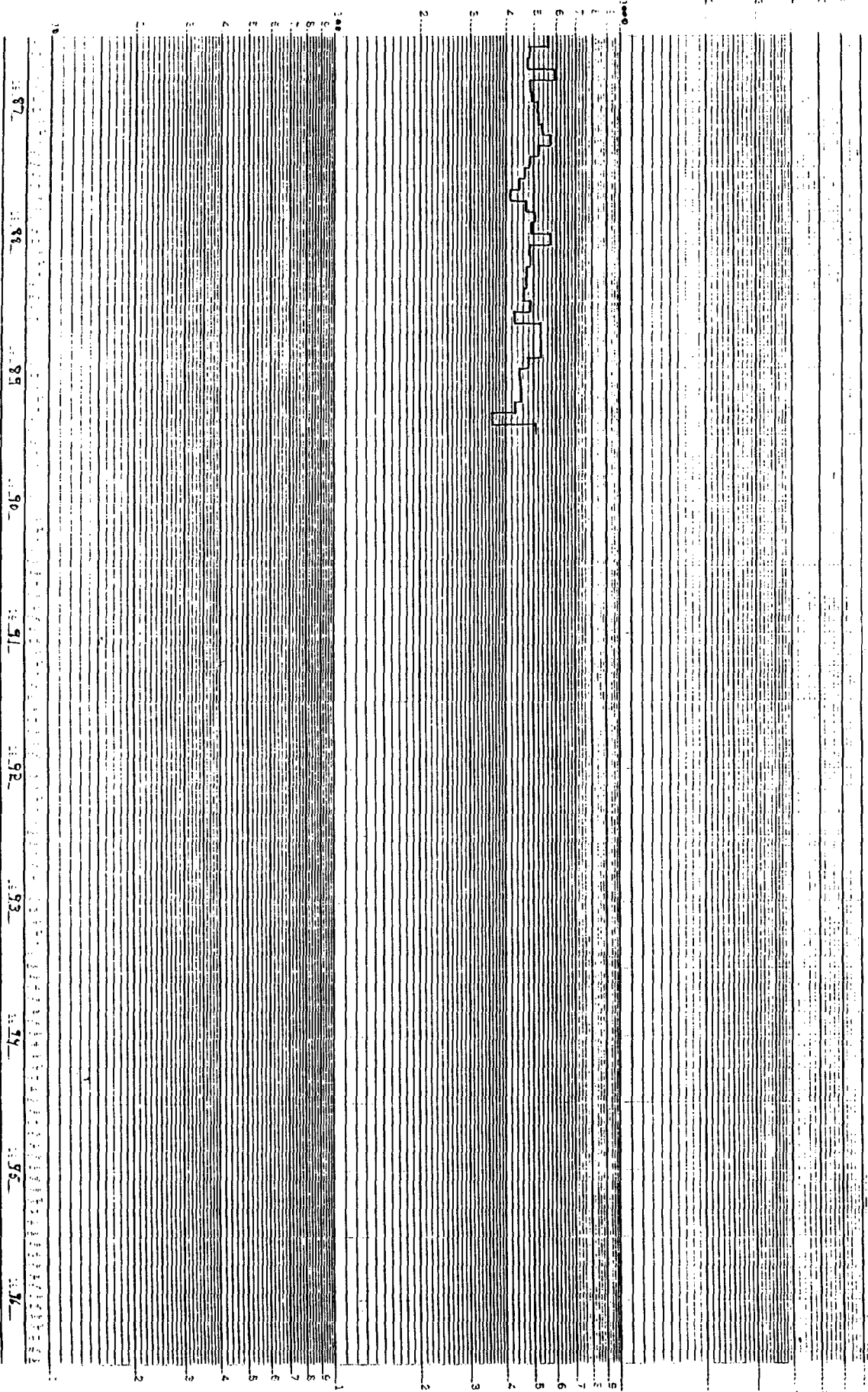


Figure M (San Antonio)  
Figure M (San Antonio)  
Figure M (San Antonio)  
Figure M (San Antonio)

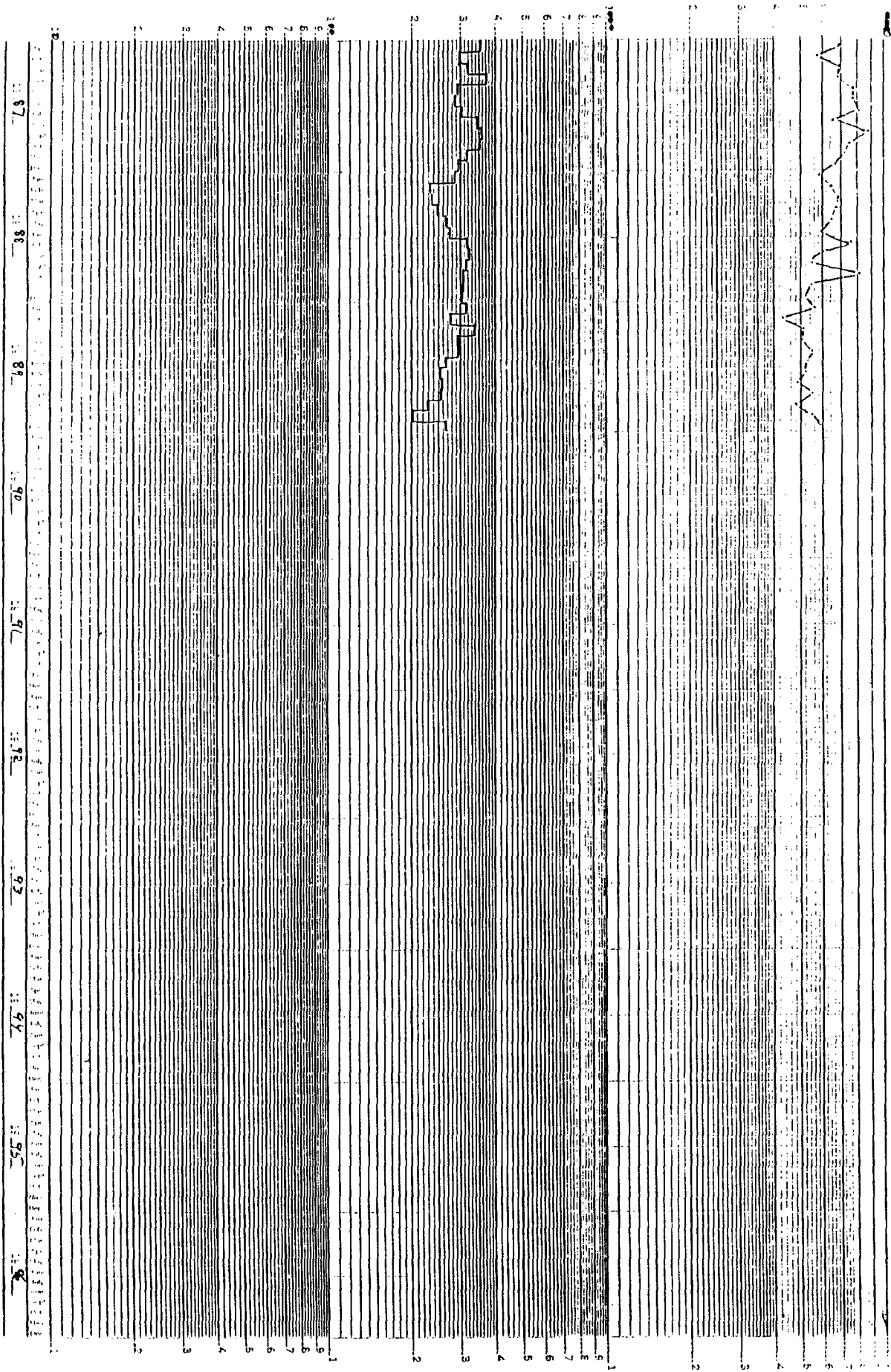




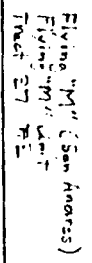
Flying "M" (San Andres)  
Flying "m" Unit  
Track 27 - Total



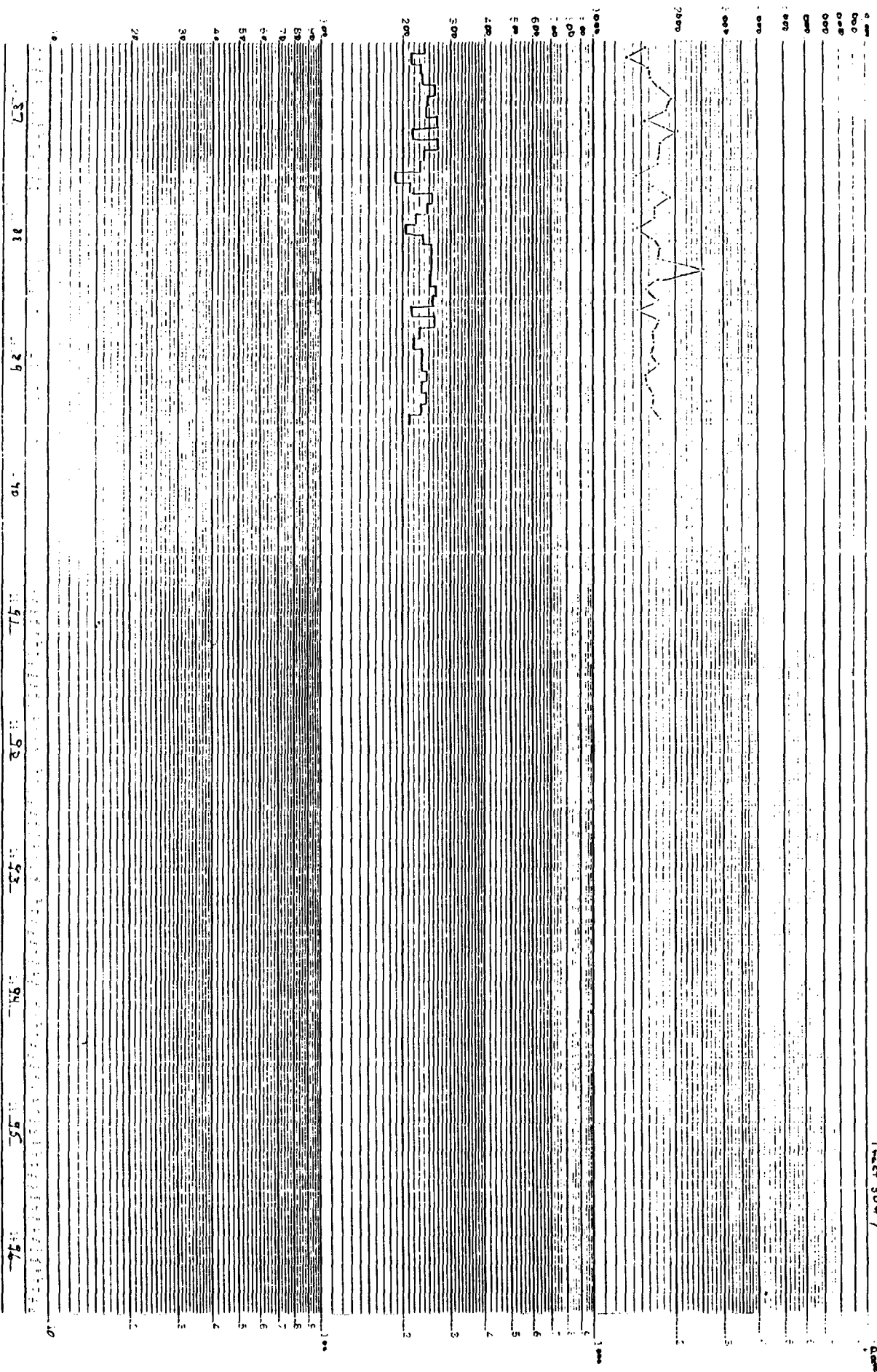


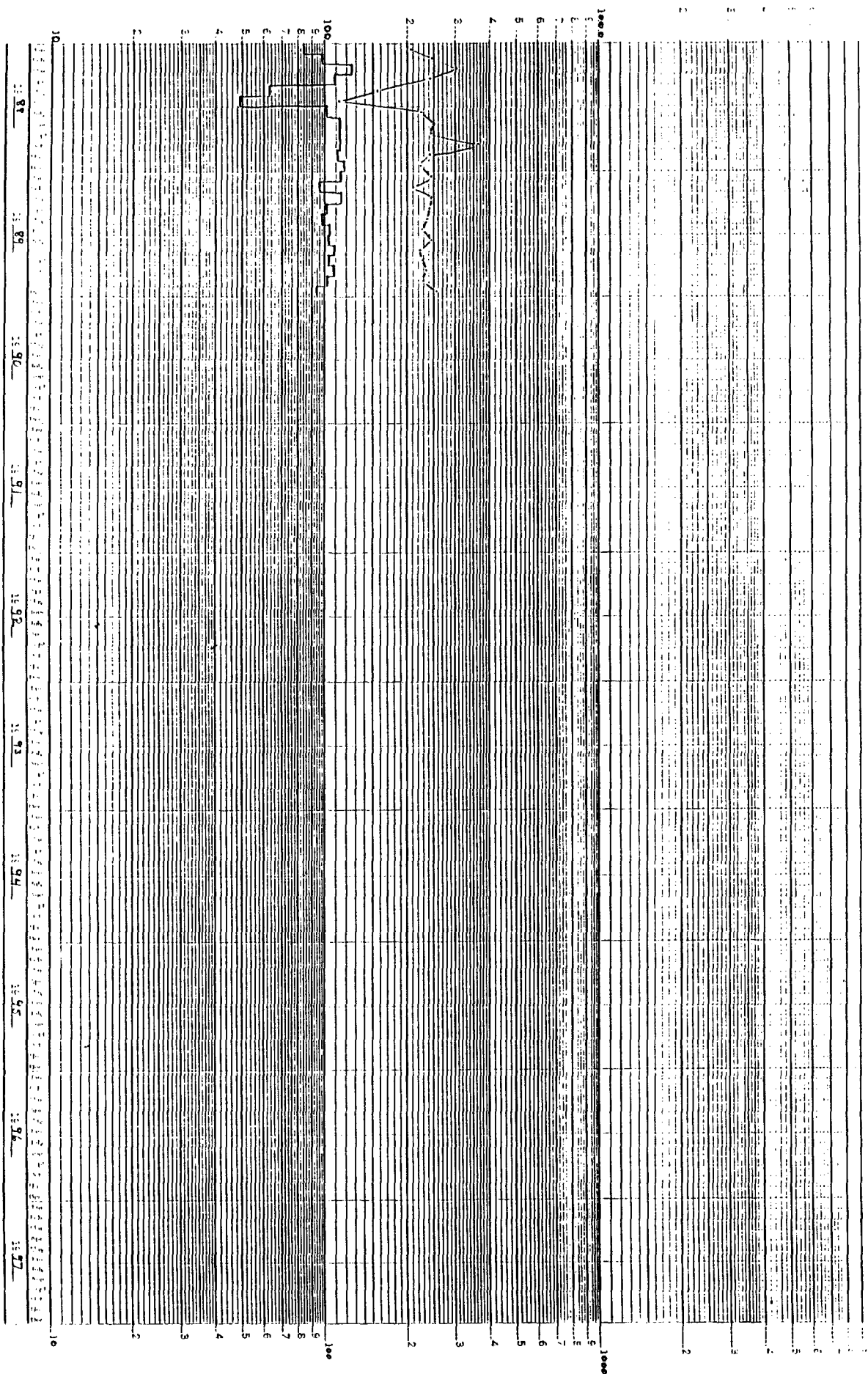


Flying "M" (San Antonio)  
Flying "M" Unit  
Inact 27 #1

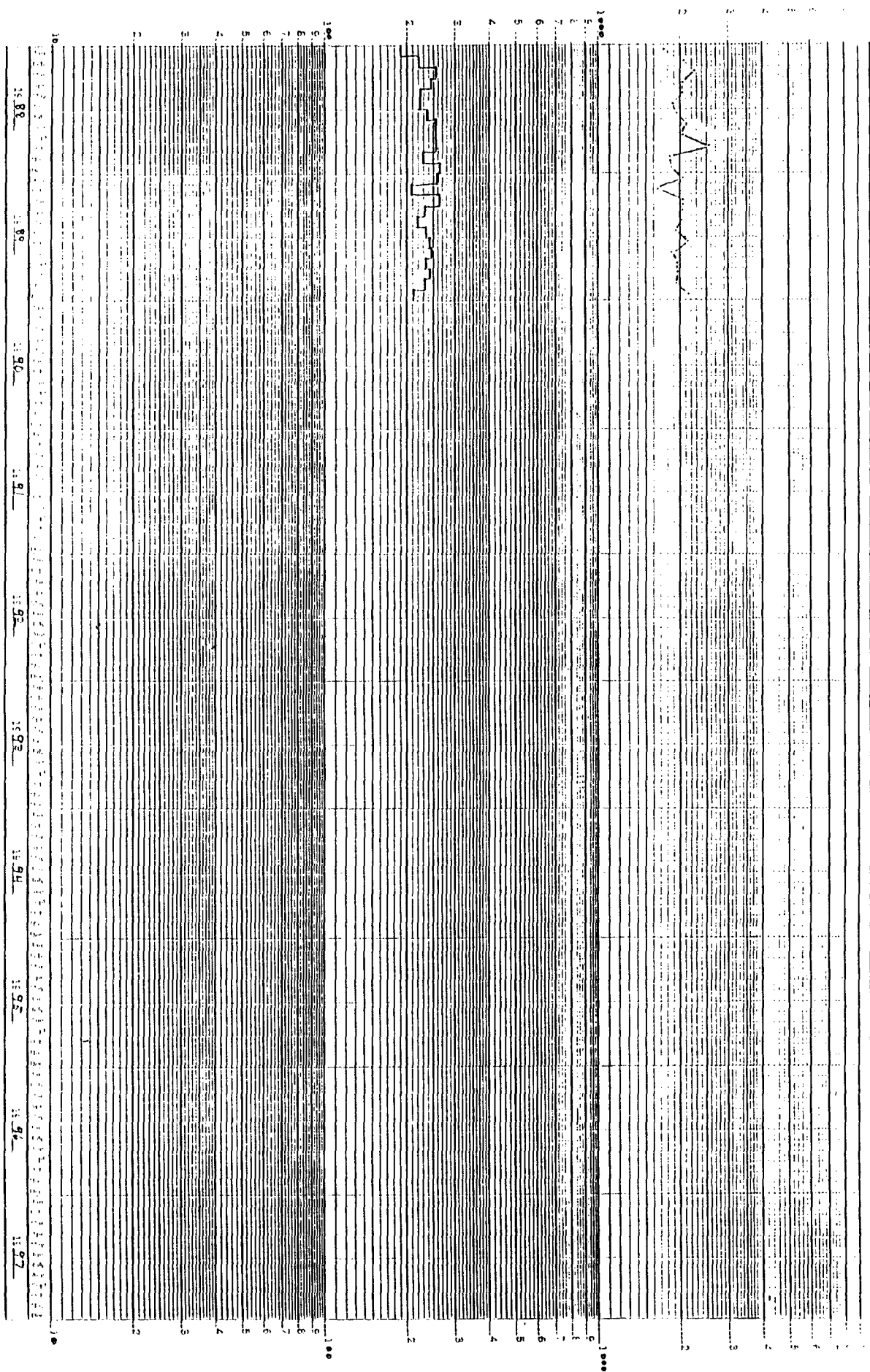


Flying "M" (Sen Audies)  
Flying "M" Unit  
Tuesd 3057

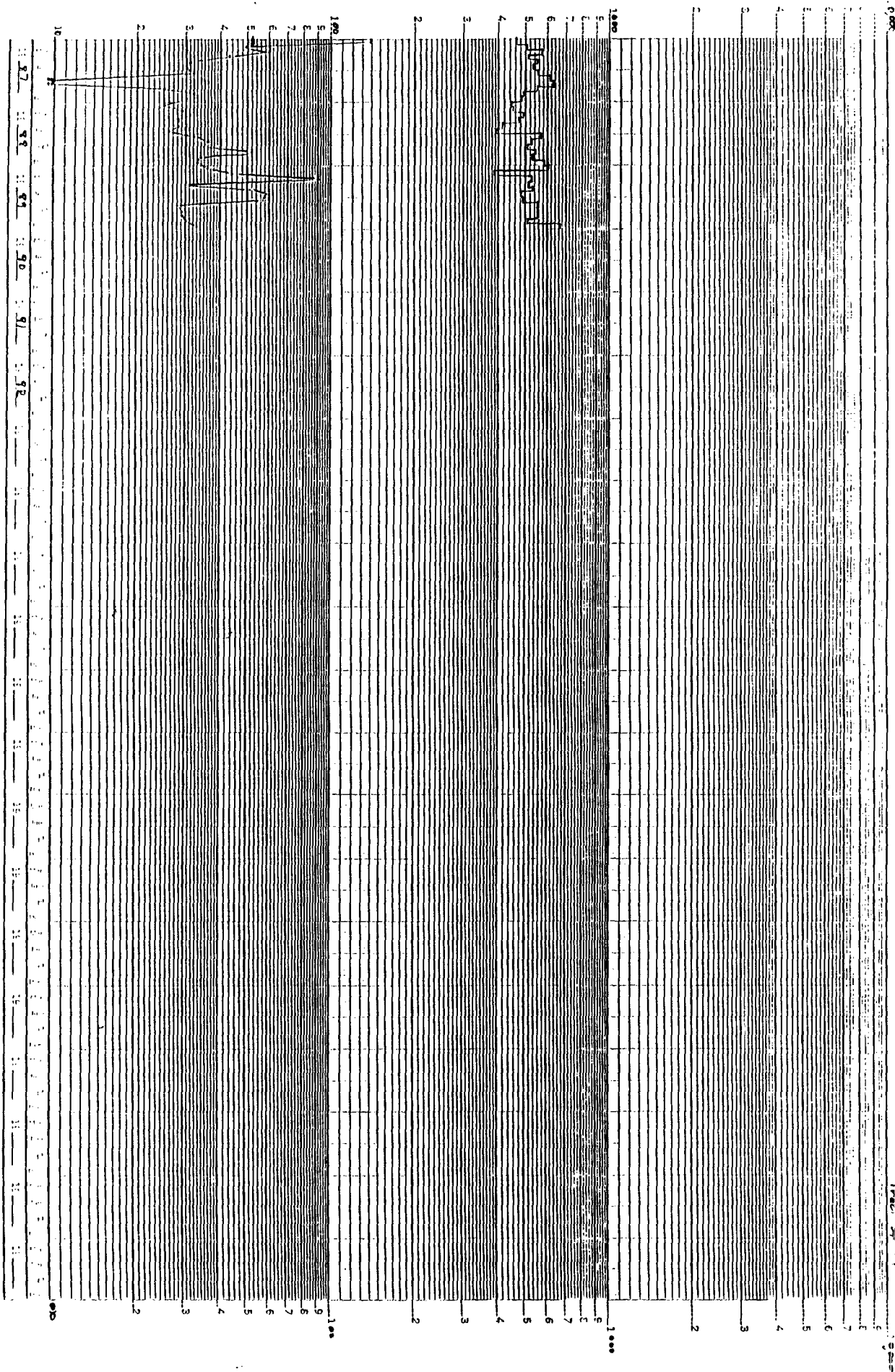




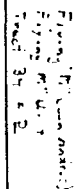
Flying "P" (San Andreas)  
Flying "P" Unit  
Tract 31 #1



Flying "P" (San Andres)  
Flying "M" Unit  
Track 32 #1



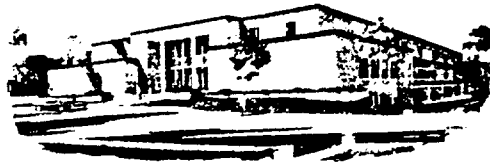
Flying "M" (San Andreas)  
Flying "M" Unit  
Track 1000



State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



#3554

Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1048

March 27, 1989

Coastal Oil & Gas Corporation  
Attn: Bobby L. Smith  
P.O. Box 235  
Midland, Texas 79702-0235

Re: 1989 Plan of Development  
Flying "M" (SA) Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development.


Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

cc: OCD  
BLM



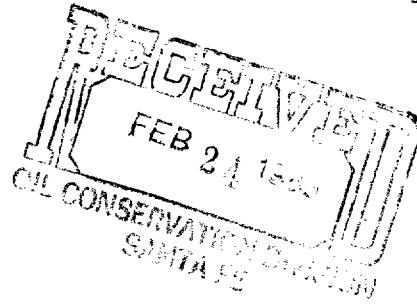


**Coastal Oil & Gas Corporation**  
A SUBSIDIARY OF THE COASTAL CORPORATION

The Energy People

February 21, 1989

State of New Mexico  
Oil Conservation Commission  
310 Old Santa Fe Trail  
Room 206  
Santa Fe, New Mexico 87503



RE: 1989 Plan of Operations  
Flying "M" (SA) Unit  
Lea County, New Mexico

Dear Sirs:

Please find attached the 1989 Plan of Operations for the Coastal operated Flying "M" (SA) Unit in Lea County, New Mexico. This Plan of Operations consist of an updated unit map which shows existing wells and their status and individual well production curves. All unit wells are completed in the San Andres A, B and/or C zones.

We have no proposed drilling activity for the unit for 1989, though some workovers may be attempted.

Should you have any questions concerning this matter, please advise.

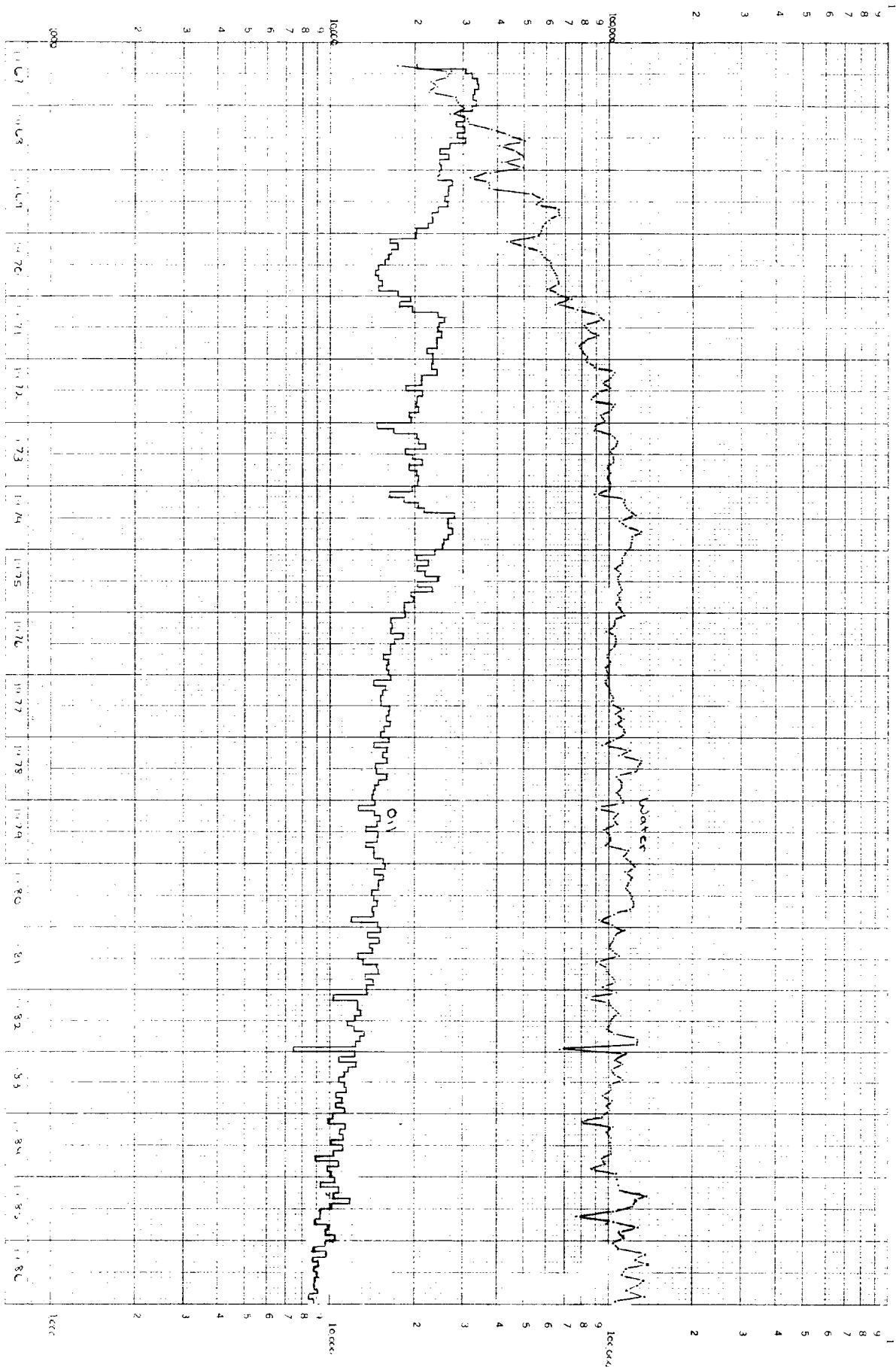
Sincerely,

*Bobby L. Smith*  
Bobby L. Smith  
Area Superintendent

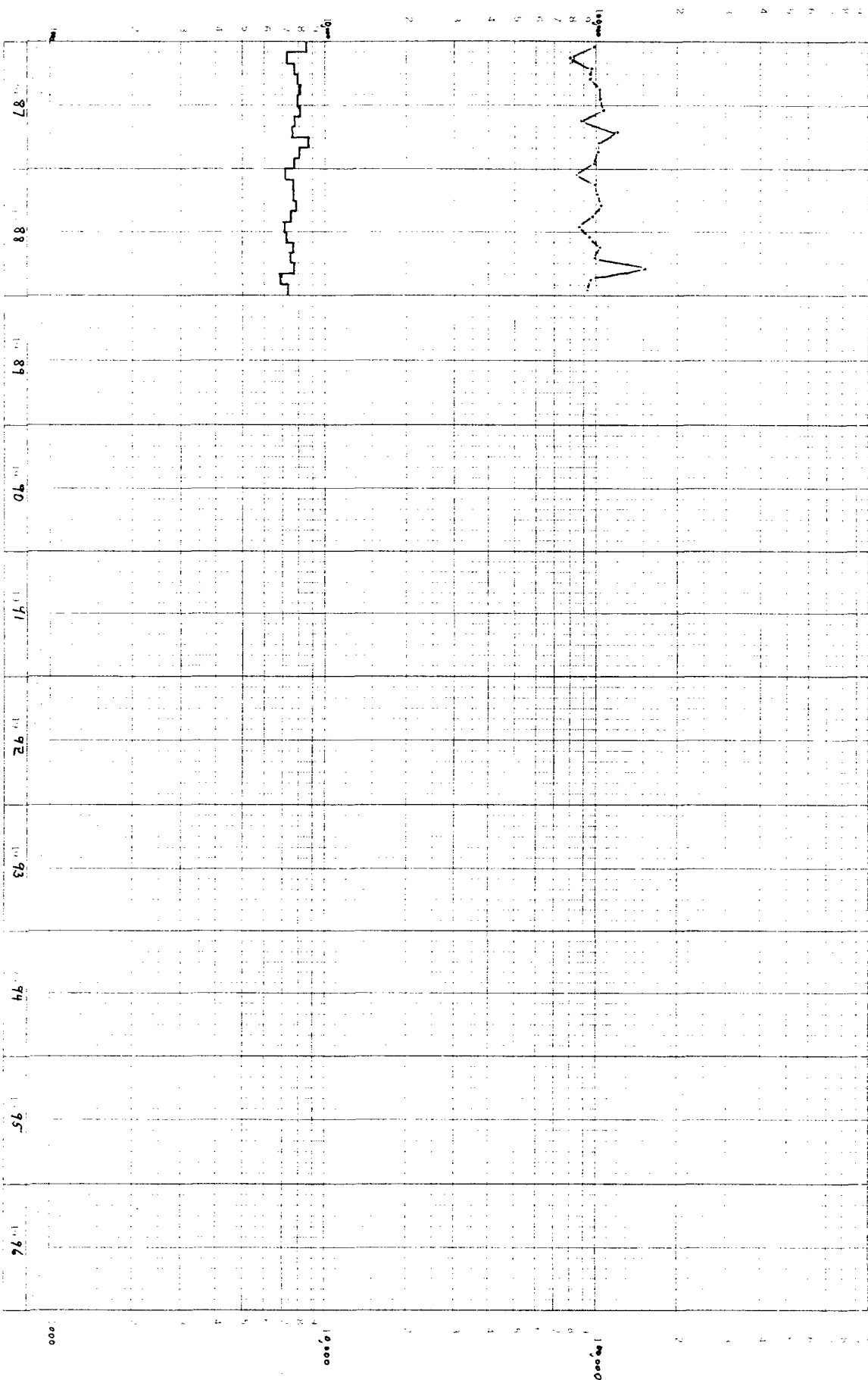
BLS/dsb

Attachments

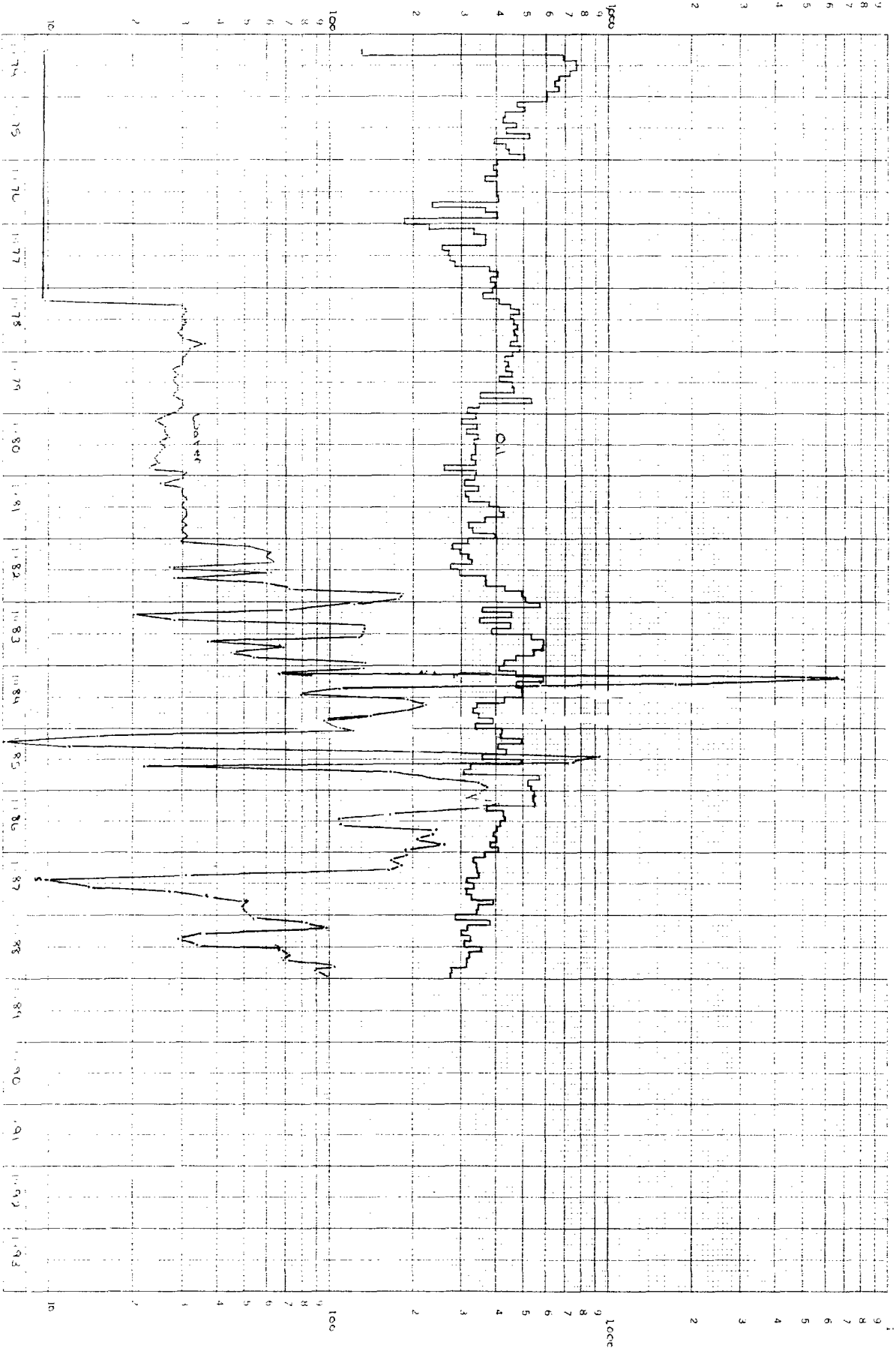
Flying M (Sun Andies)  
 Flying M Unit  
 Unit 1001



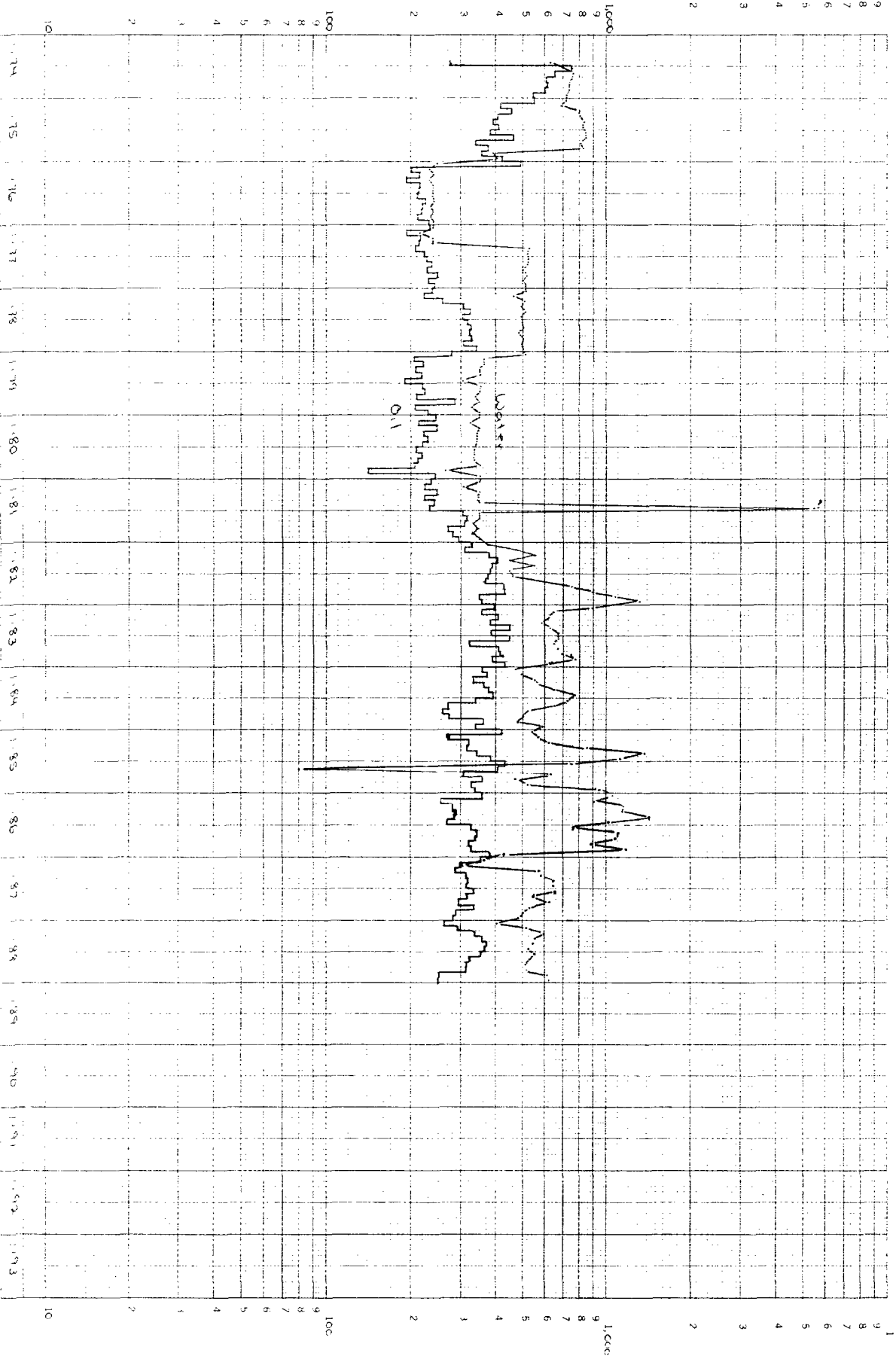
Flying "M" (San Andreas)  
 Flying "M" Unit  
 Unit Total



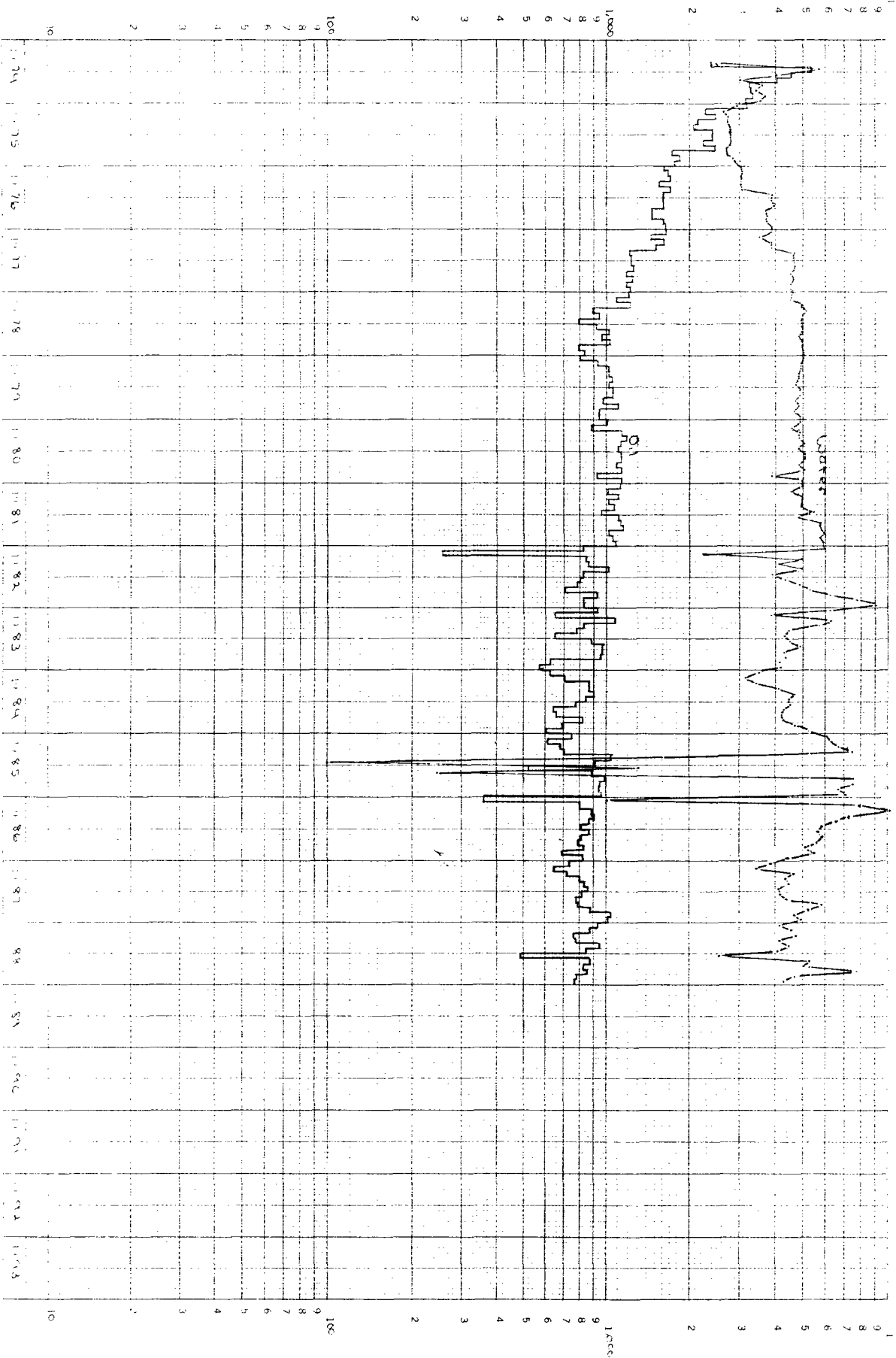
Flying M (San Andres)  
 Flying M (Unit)  
 Track 10. H6



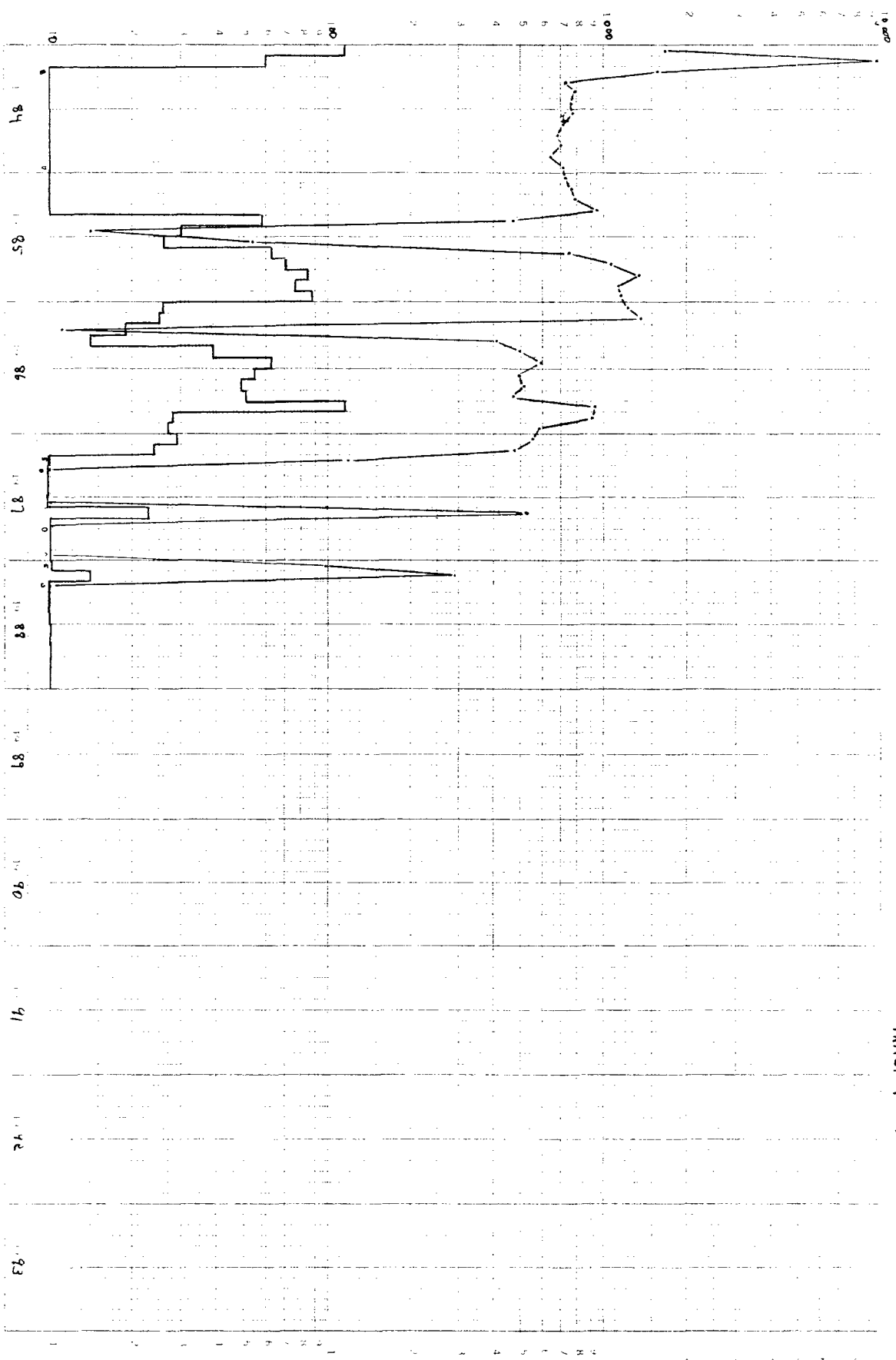
Flying M (San Andres)  
Flying M Unit  
Tract 1A-#1

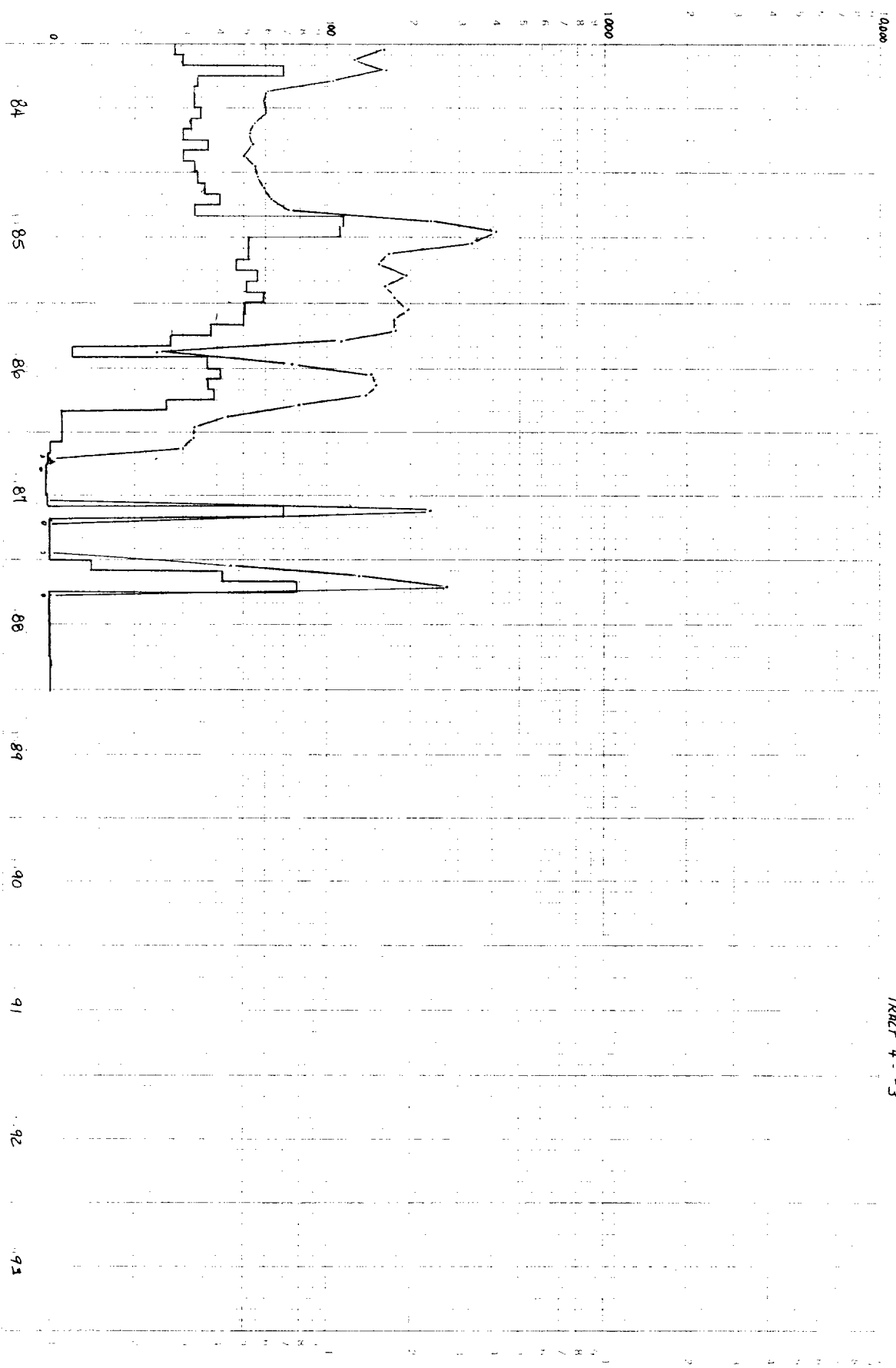


Flying W (San Antonio)  
 Flying W Unit  
 Tract 10 #7



FLYING "M" (SAN ANDRES)  
 FLYING "M" LIMIT  
 TRACT 4-21

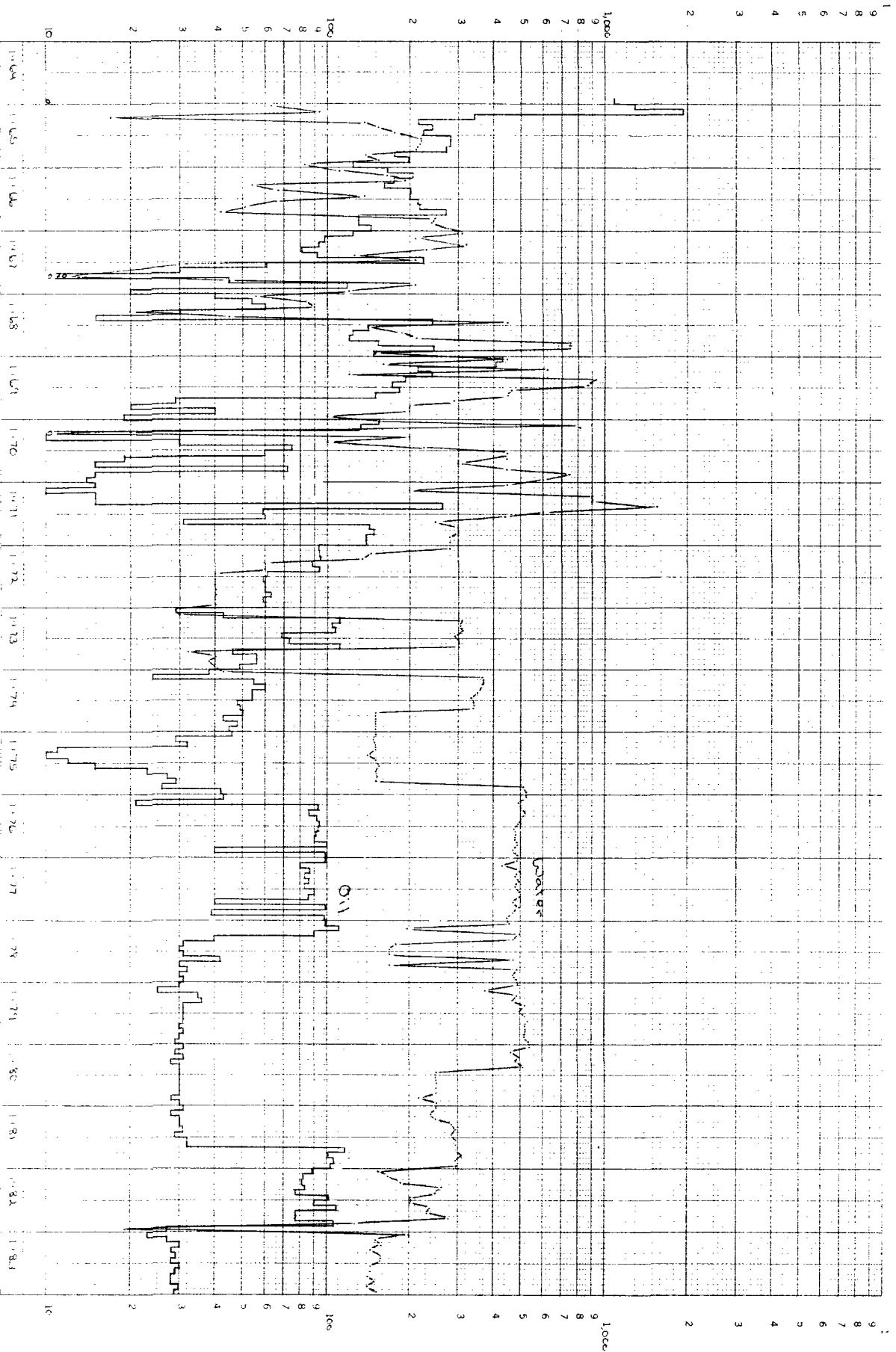




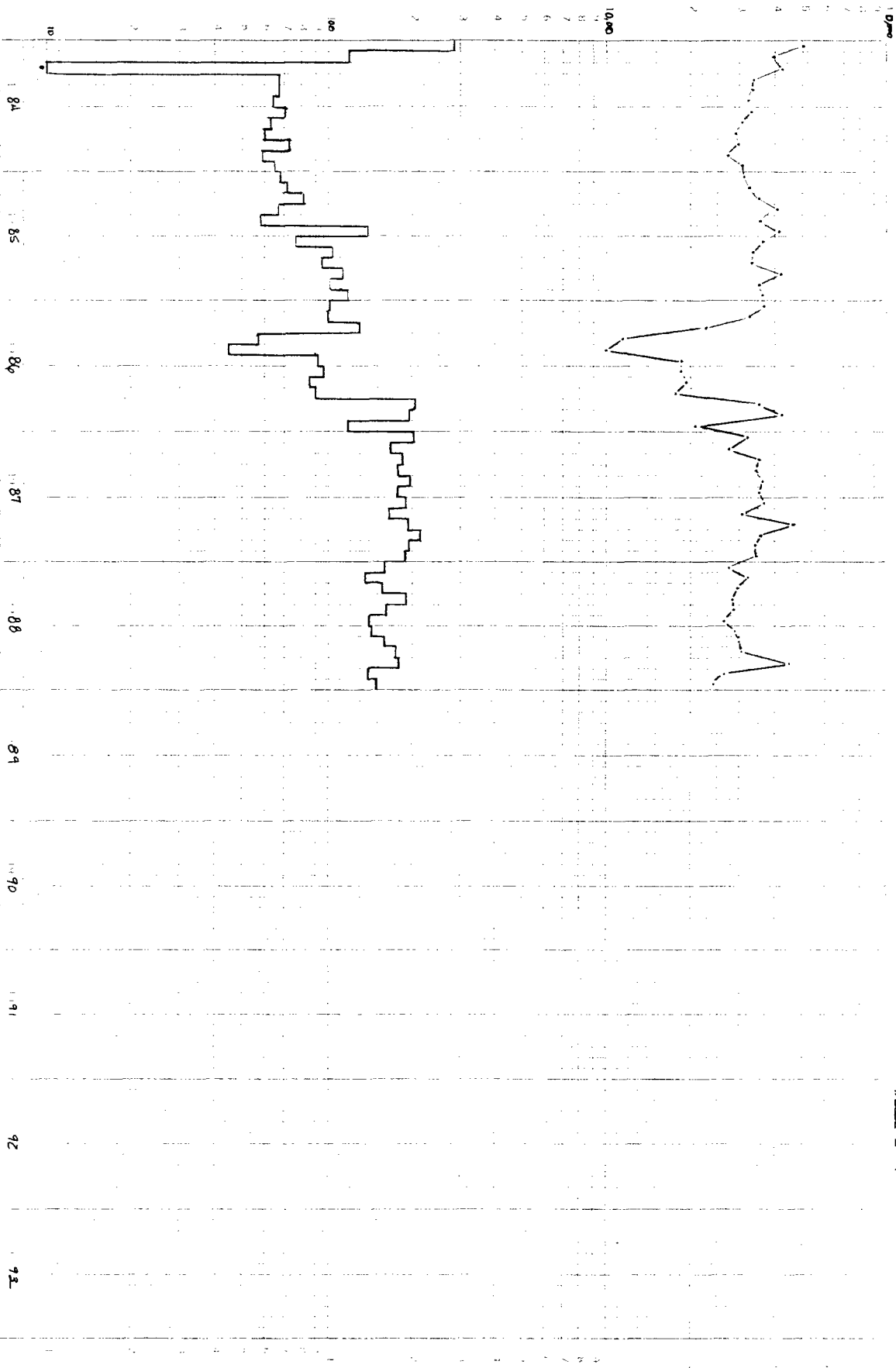
FLYING "M" (Smt. Anderson)  
 FLYING "M" UNIT  
 TRAIL 4 - 43



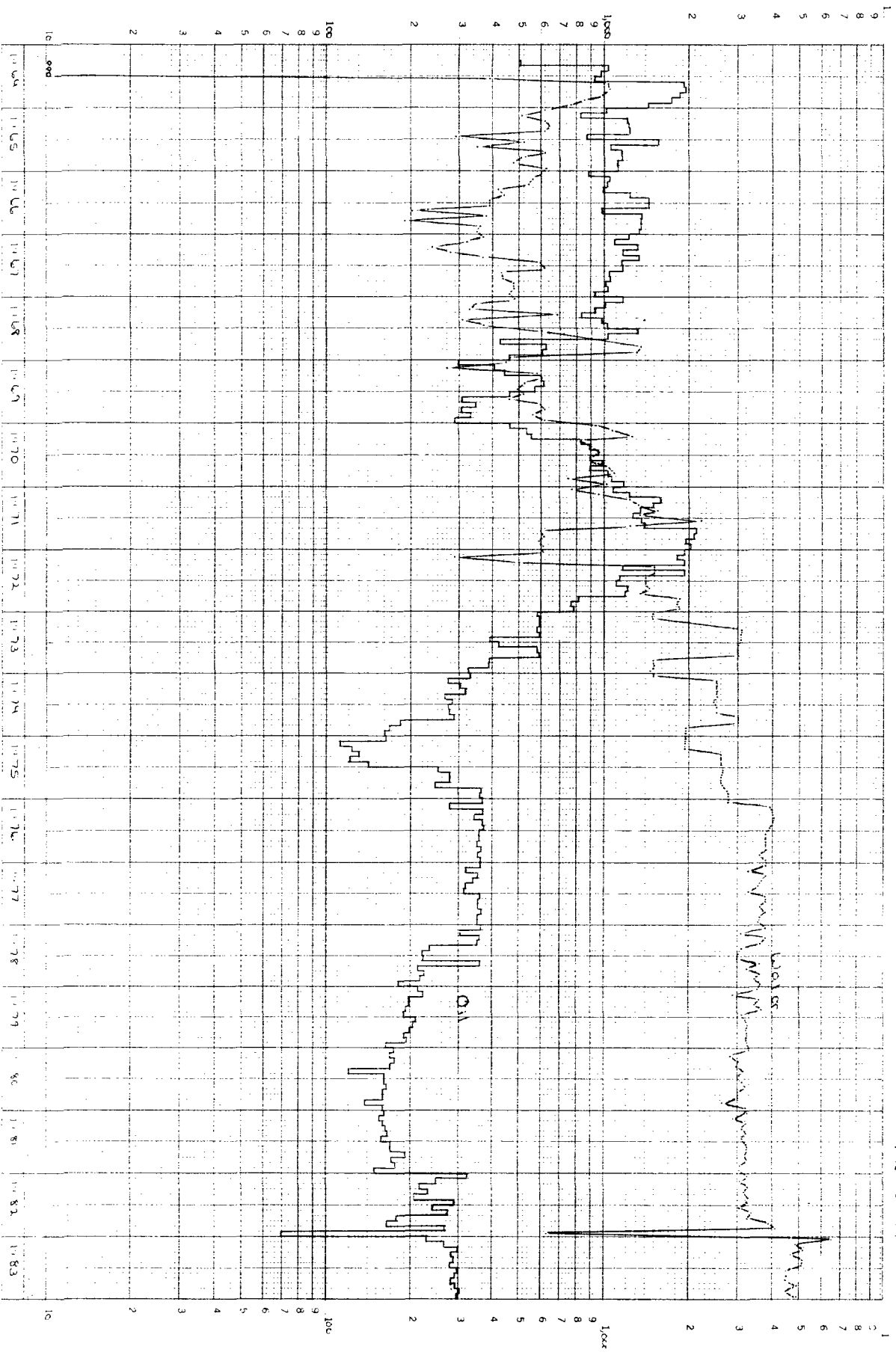
Flying M (San Antonio)  
 Flying M Unit  
 Section #3



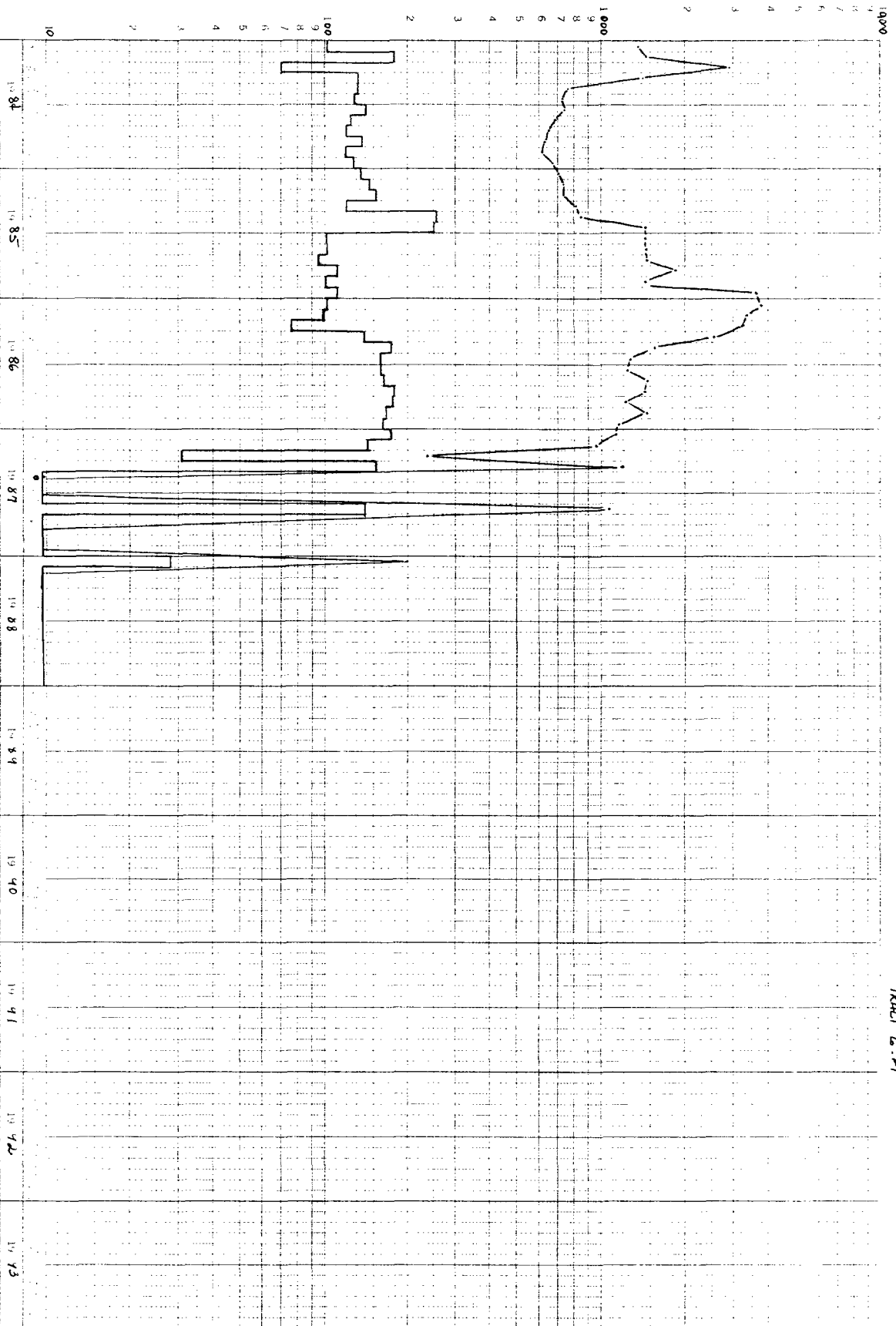
Flying "M" (San Antonio)  
Flying "M" Unit  
Track 5-41



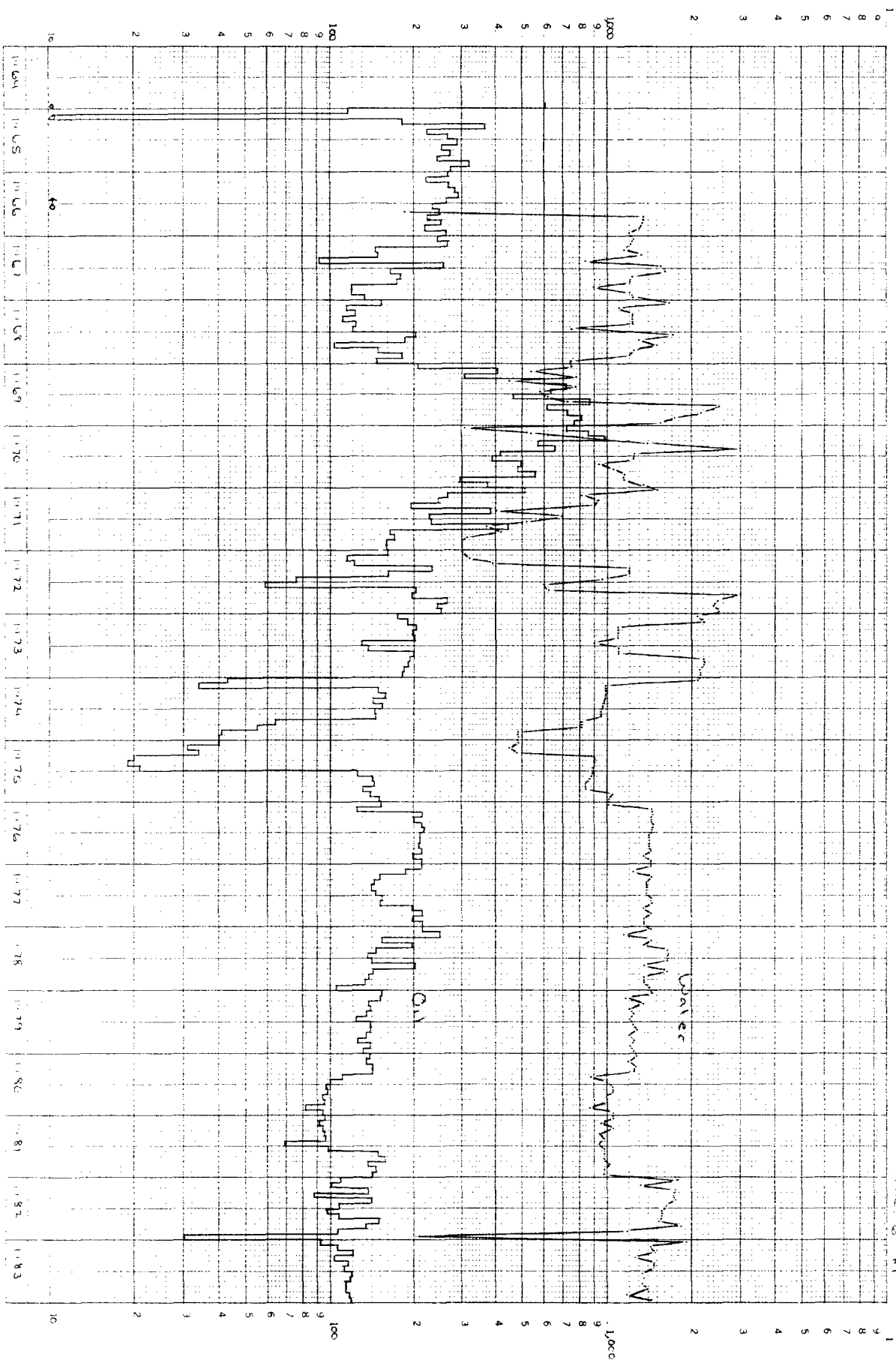
Flying M (Green Mountain)  
 Flying M Unit  
 Track 5 #1



EYING "M" (Saw Anecd)  
 EYING "M" UNIT  
 IRAT 6.41



Flying M (Green Handing)  
 Flying M (Green)  
 Trace to #1



Flying "m" (See Datas)  
 Flying m. Unit  
 Tract 9-#3

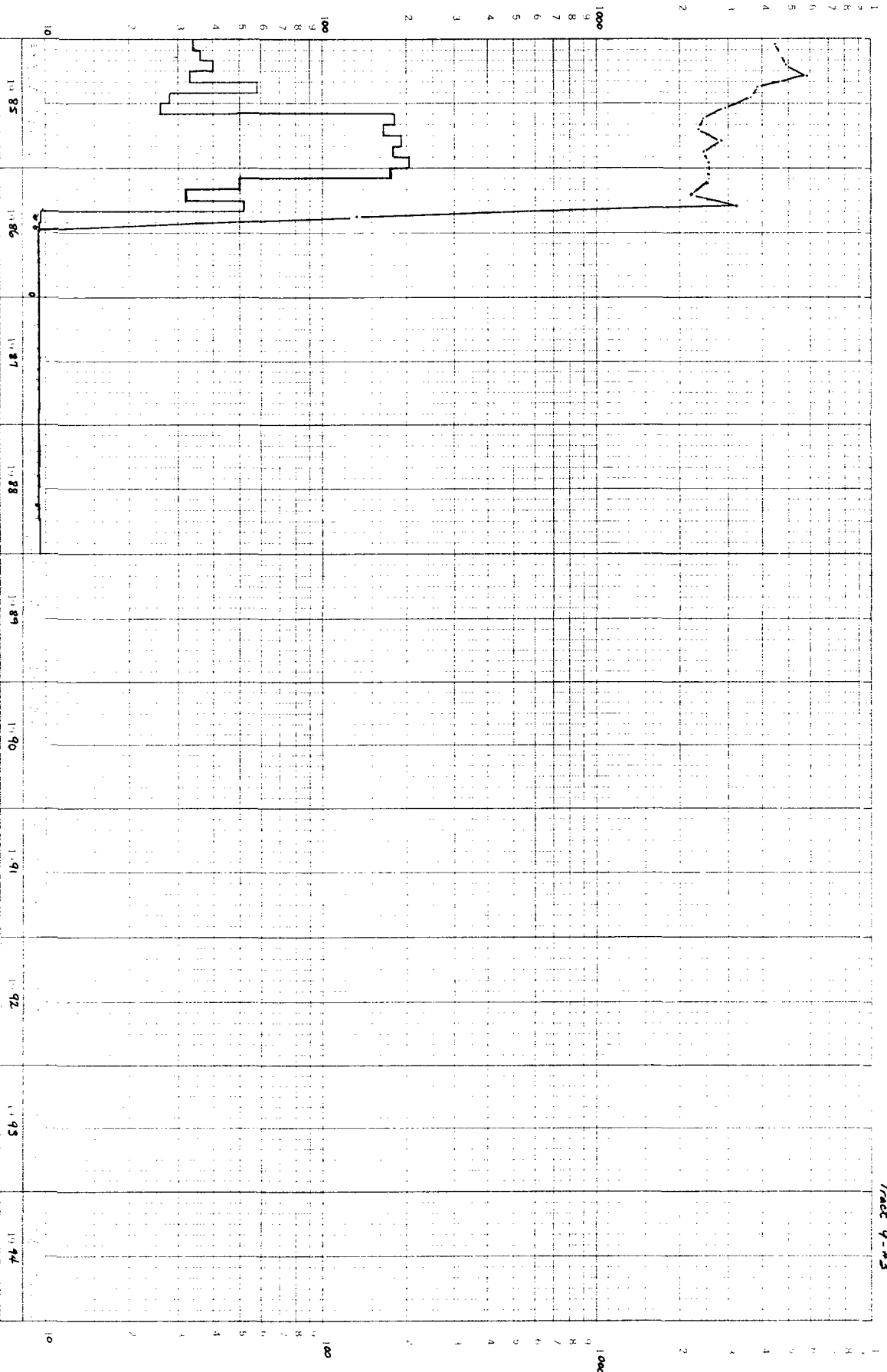
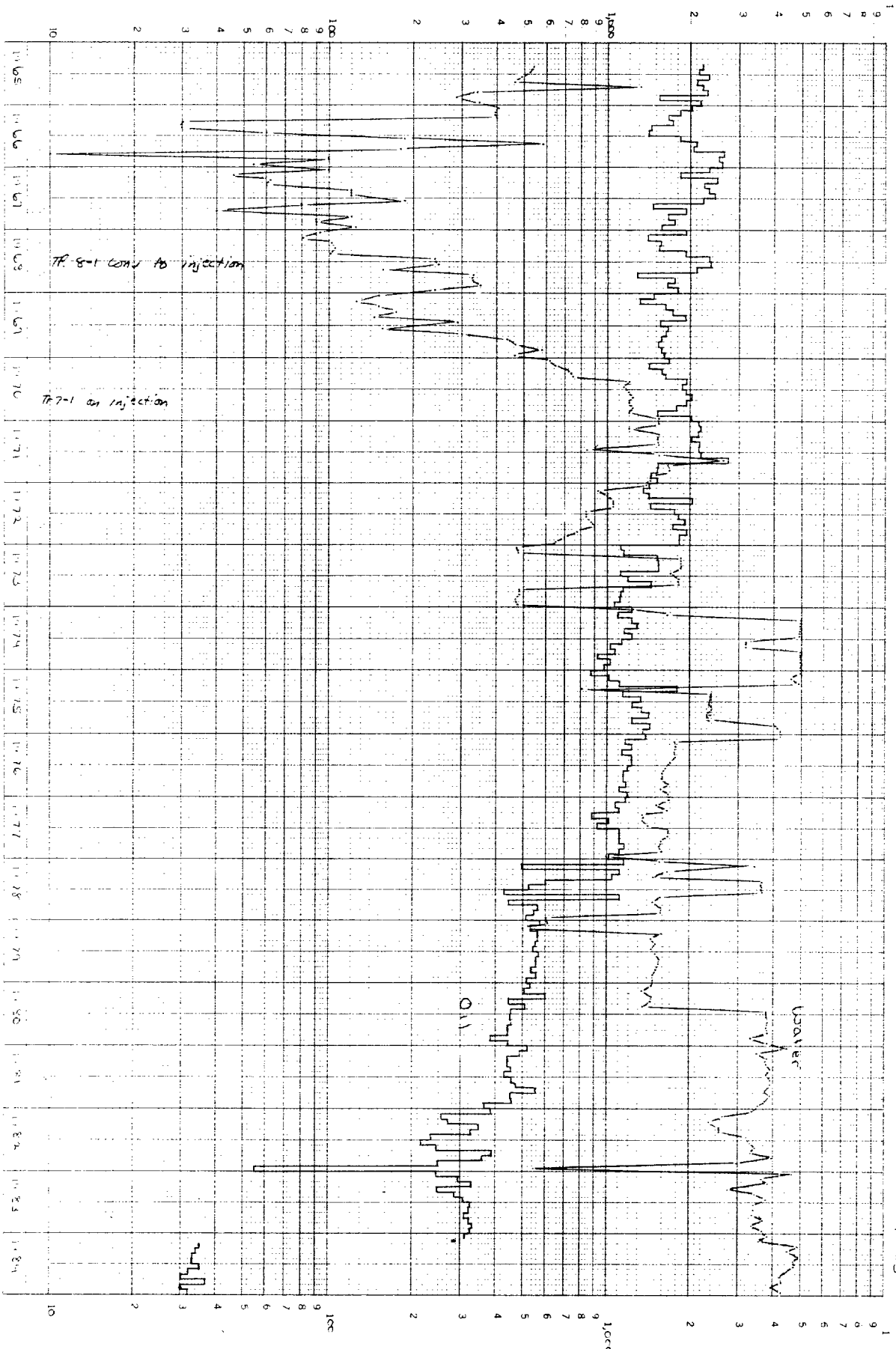
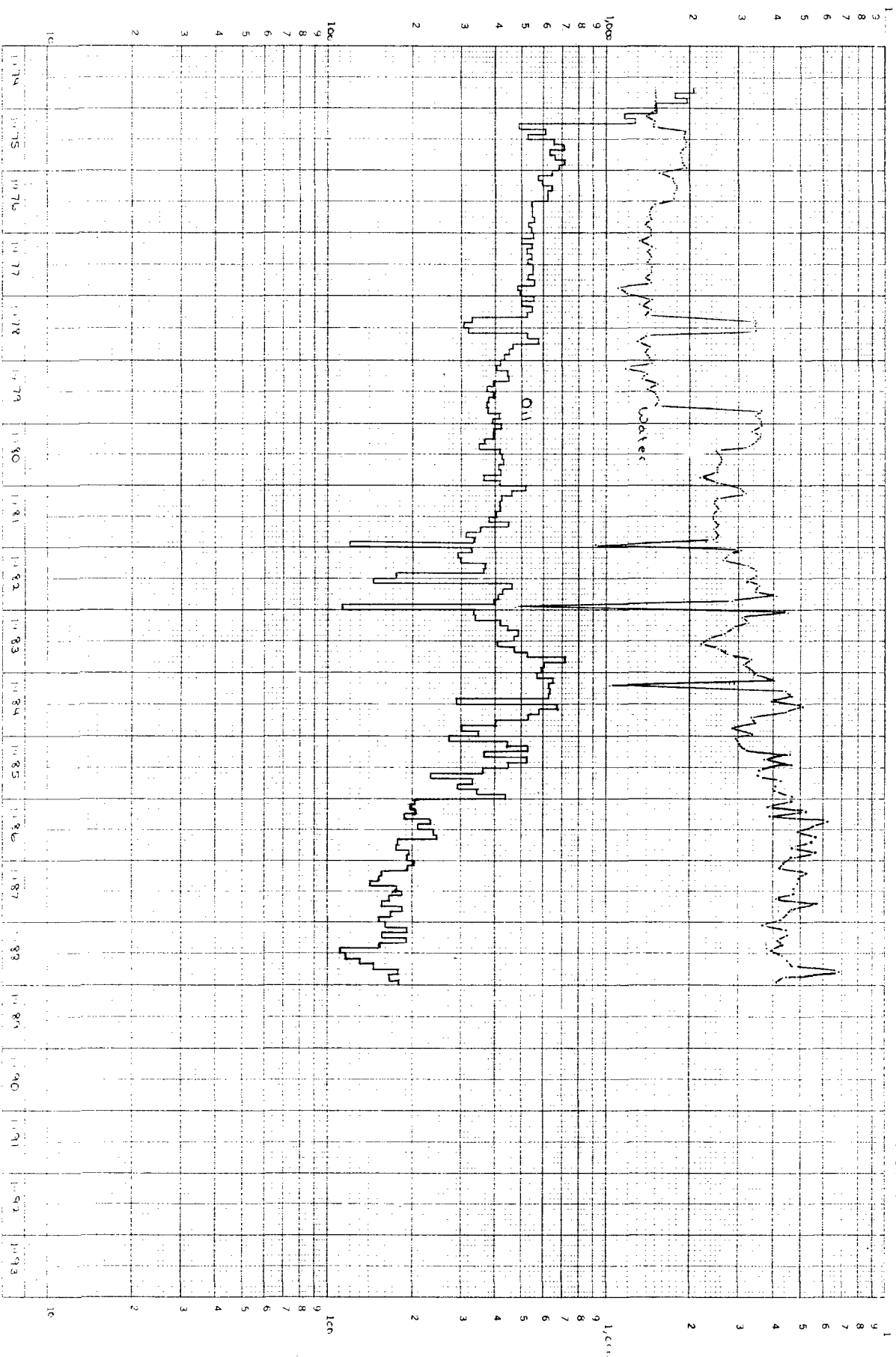


Figure 11  
Flying M Unit  
Trace #3

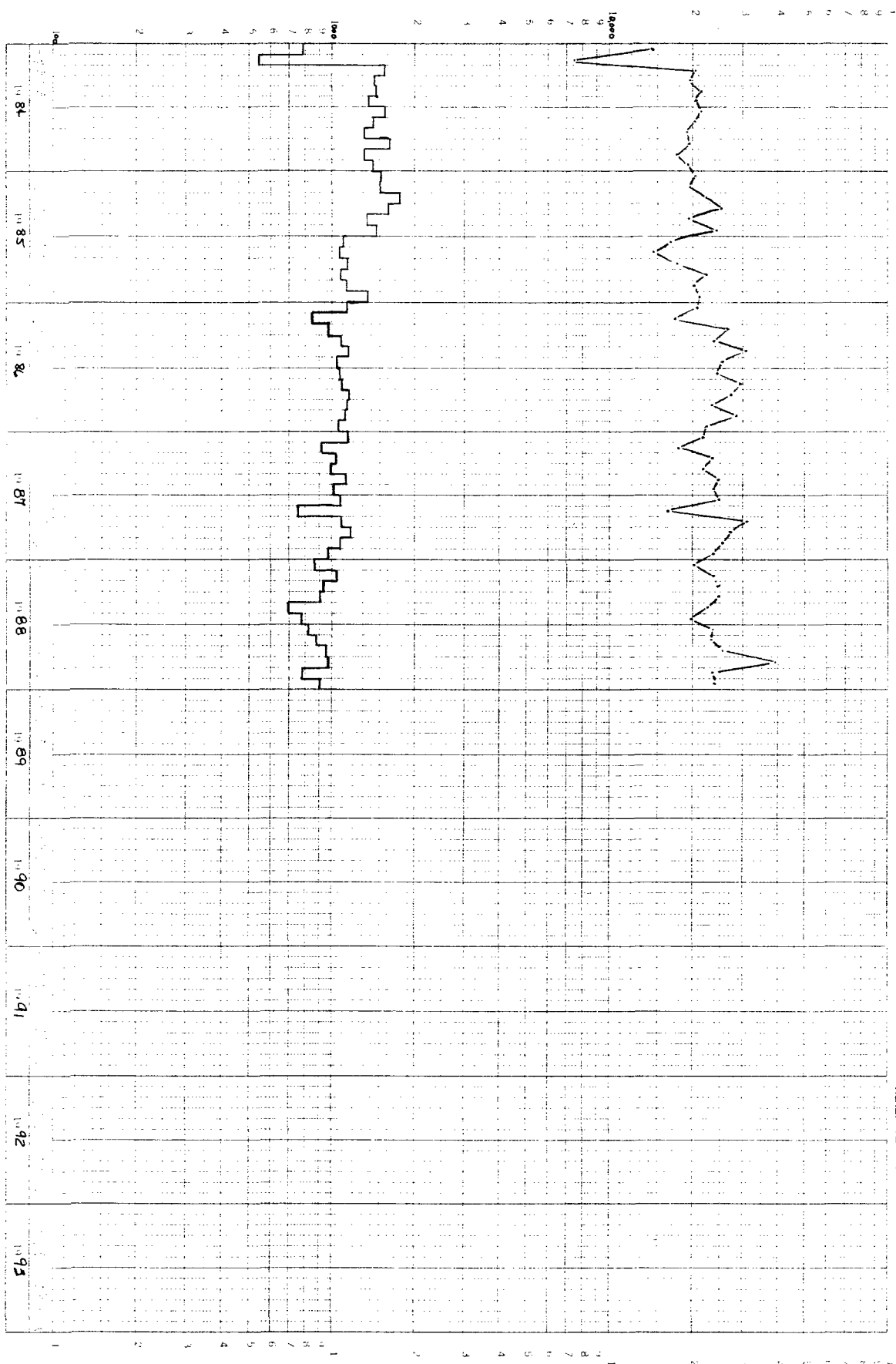




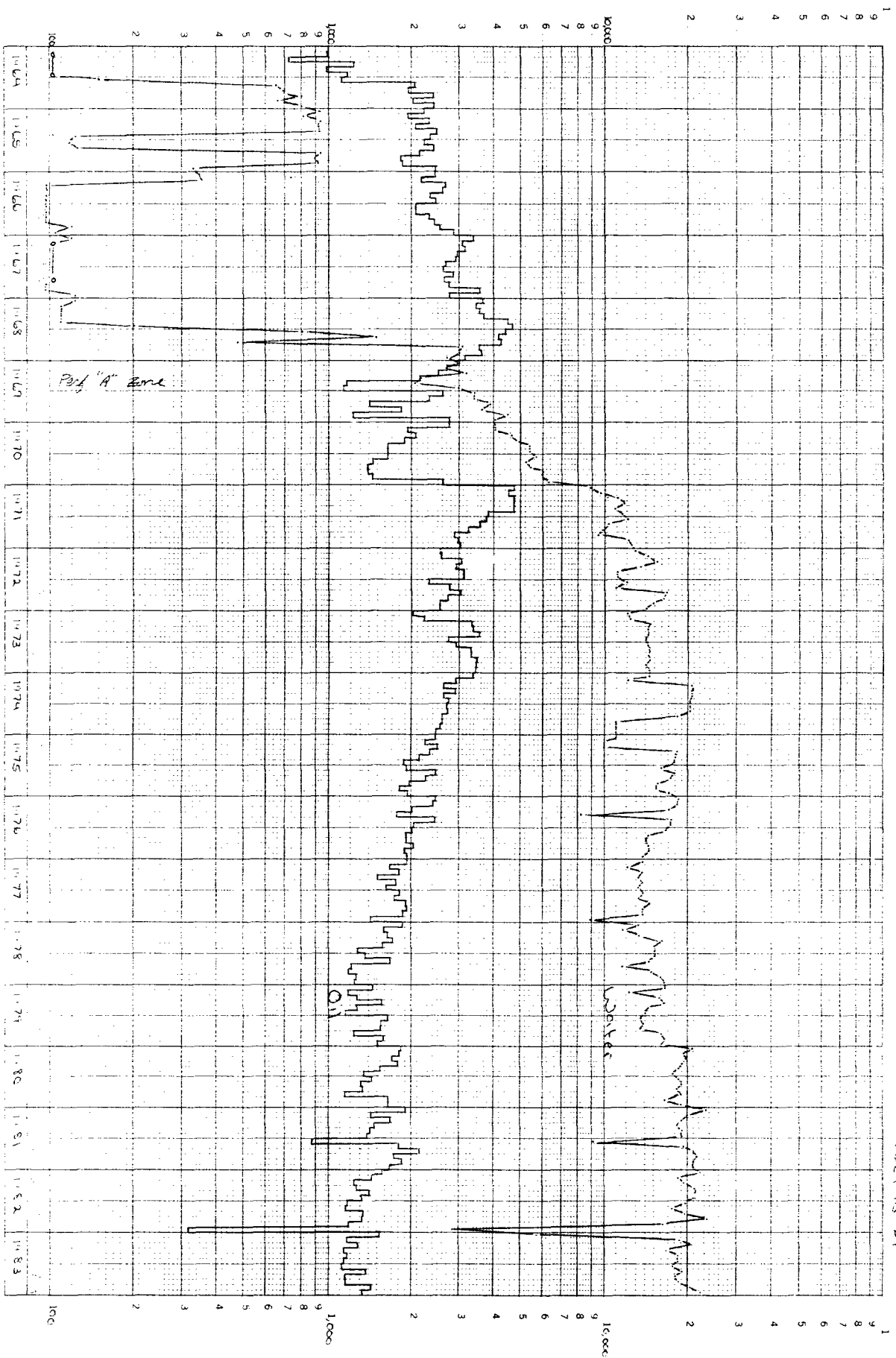
1000 M. L. (A. 1000)  
 1000 M. L. (A. 1000)  
 1000 M. L. (A. 1000)



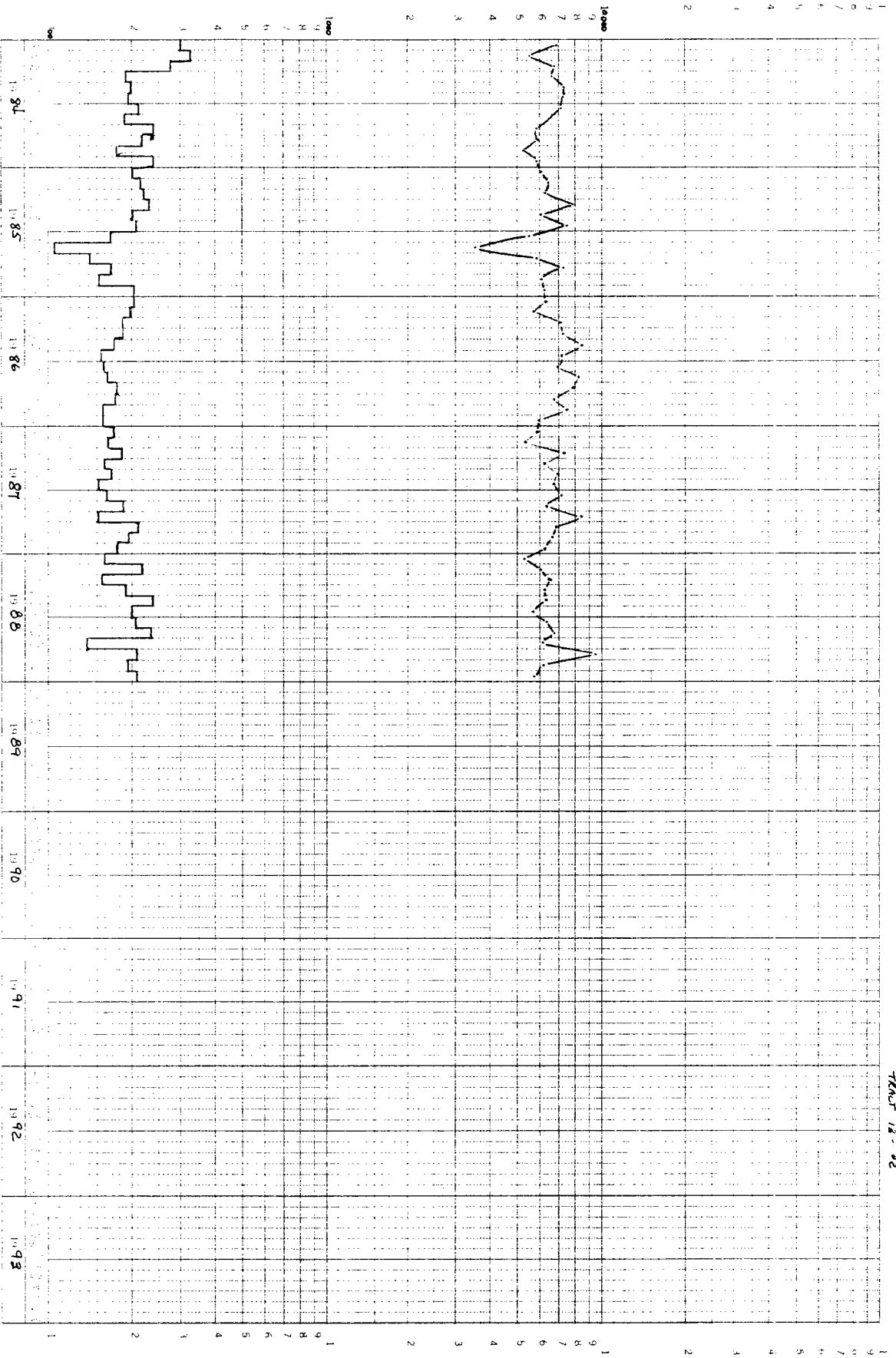
FLYING "M" (S&W ANNOTS)  
 FLYING "M" LLOUT  
 TRACK 13-41



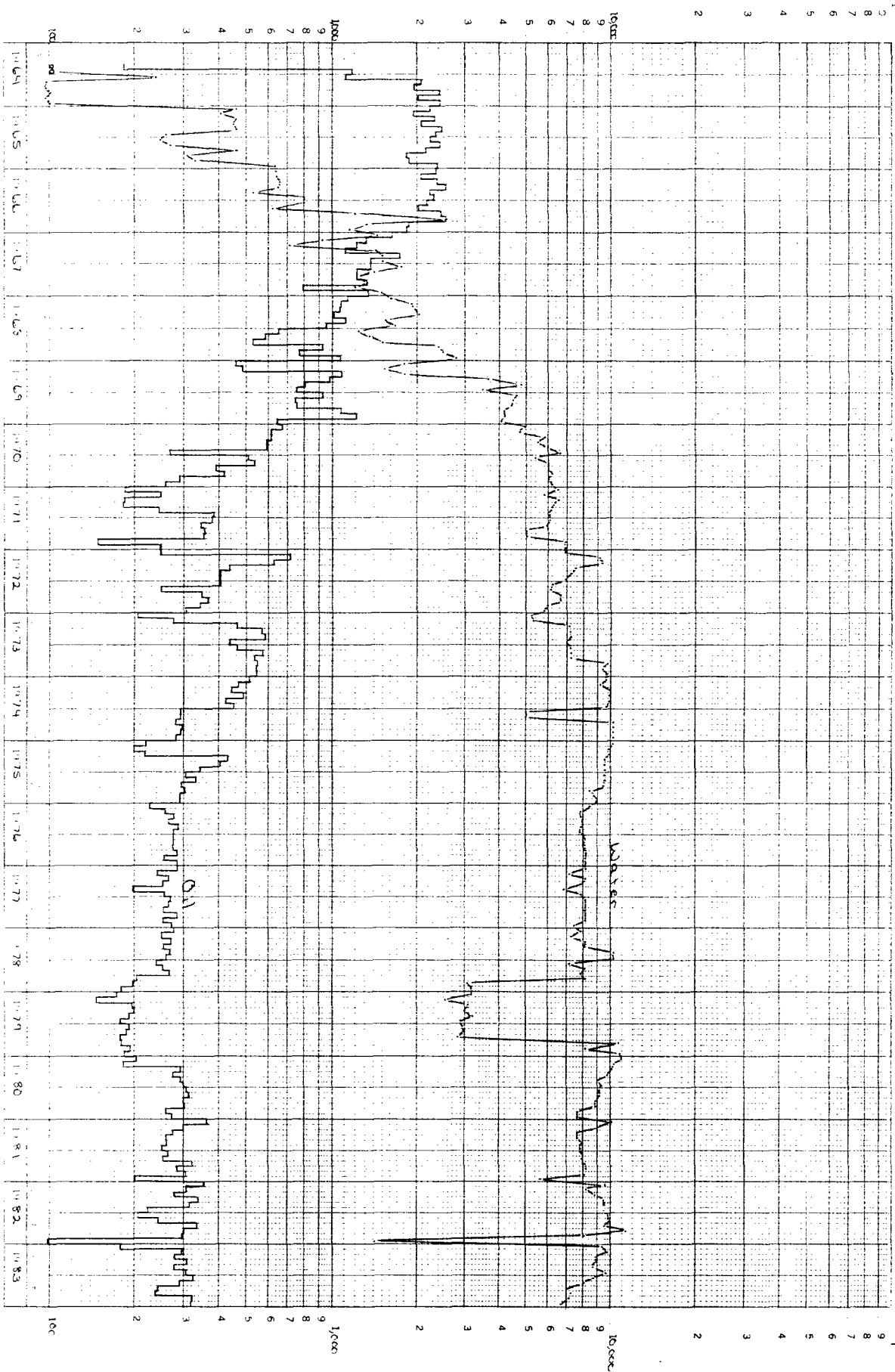
Flying M (Green Harbor)  
 Flying M Unit  
 Trace 18 #1



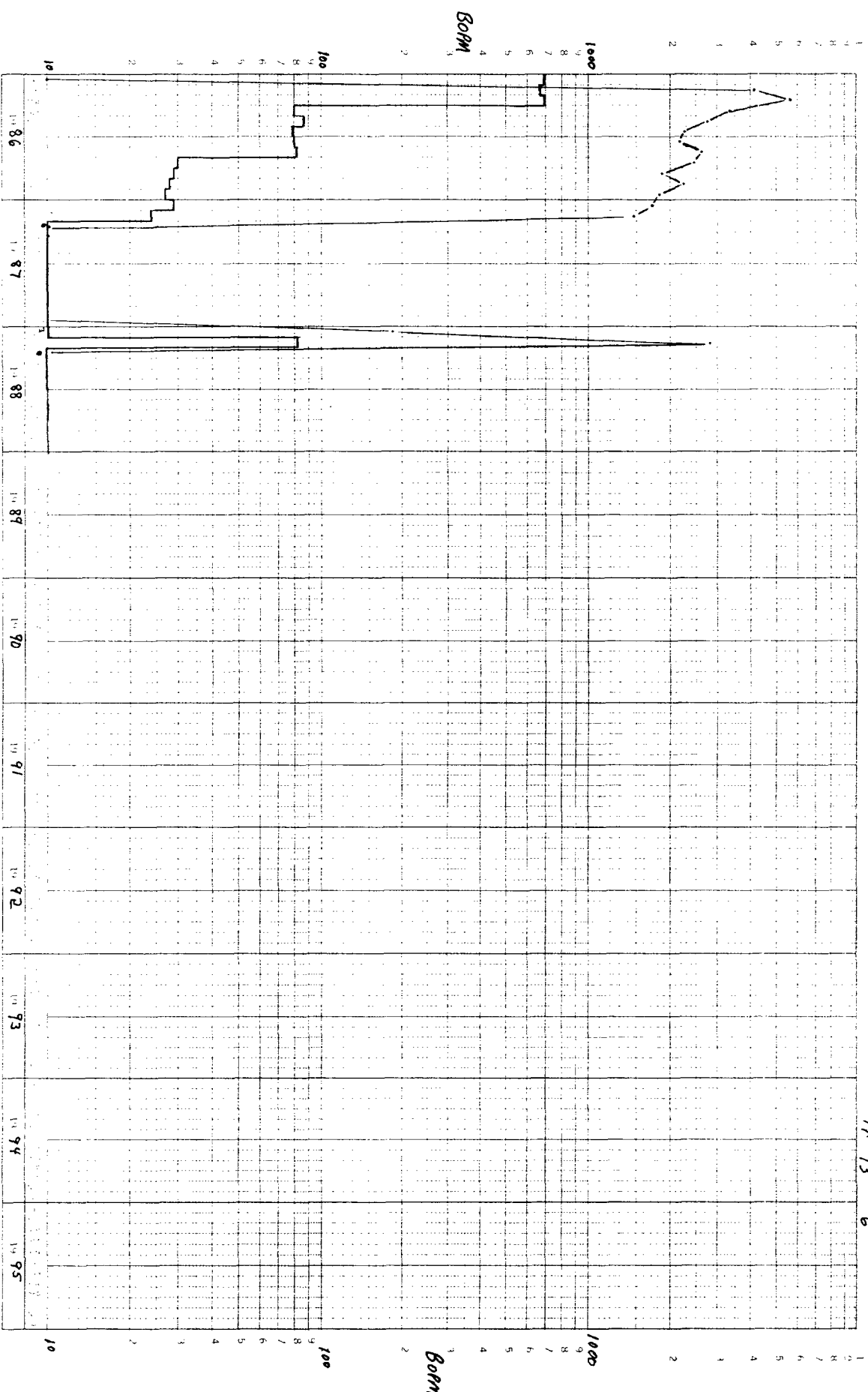
FLYING "M" (5m 1100m)  
 FLYING "M" UNIT  
 TALK 12 - 42



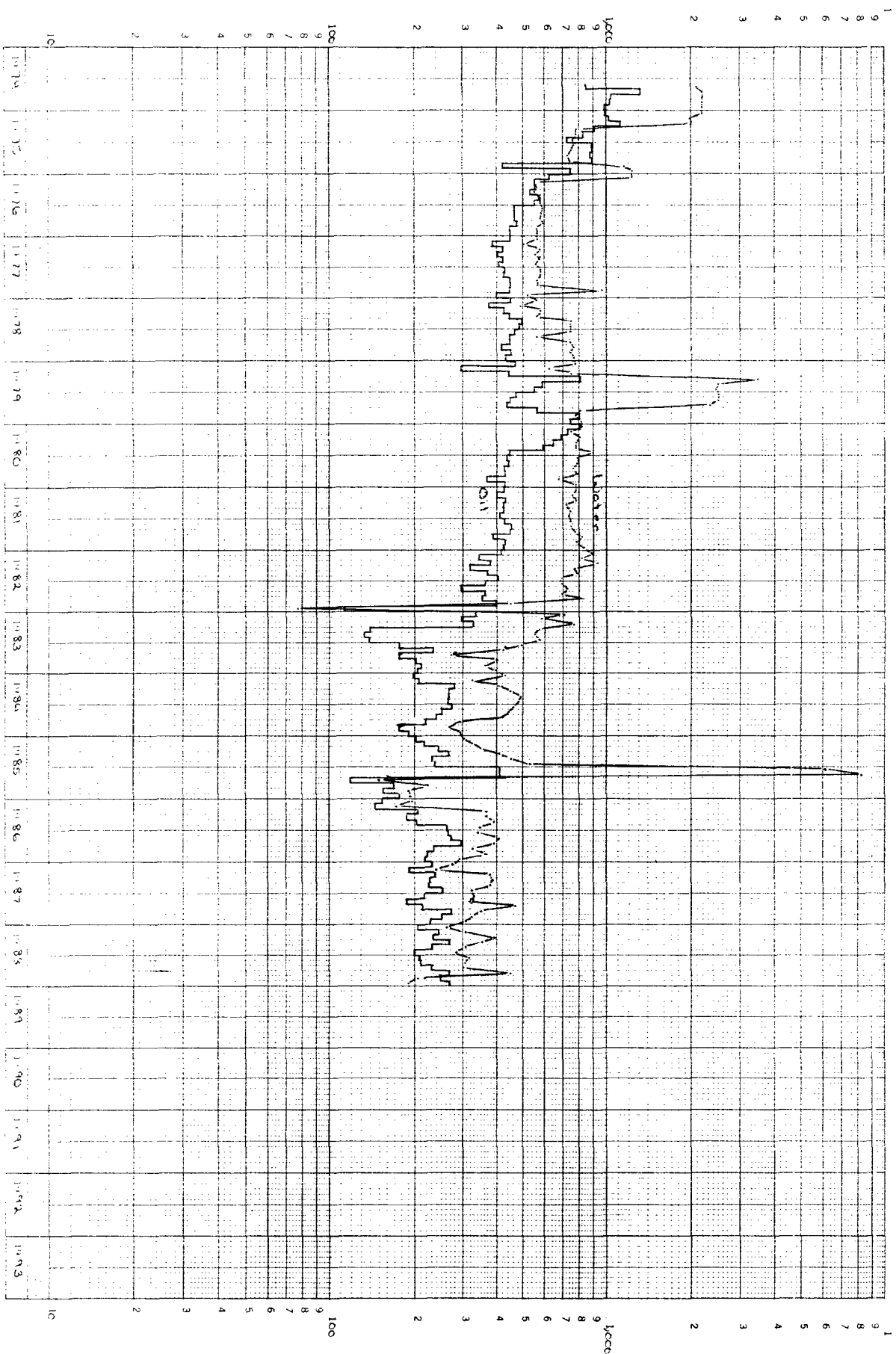
Flying M (Sen. Andrew)  
 Flying M Unit  
 Tract 13 #2

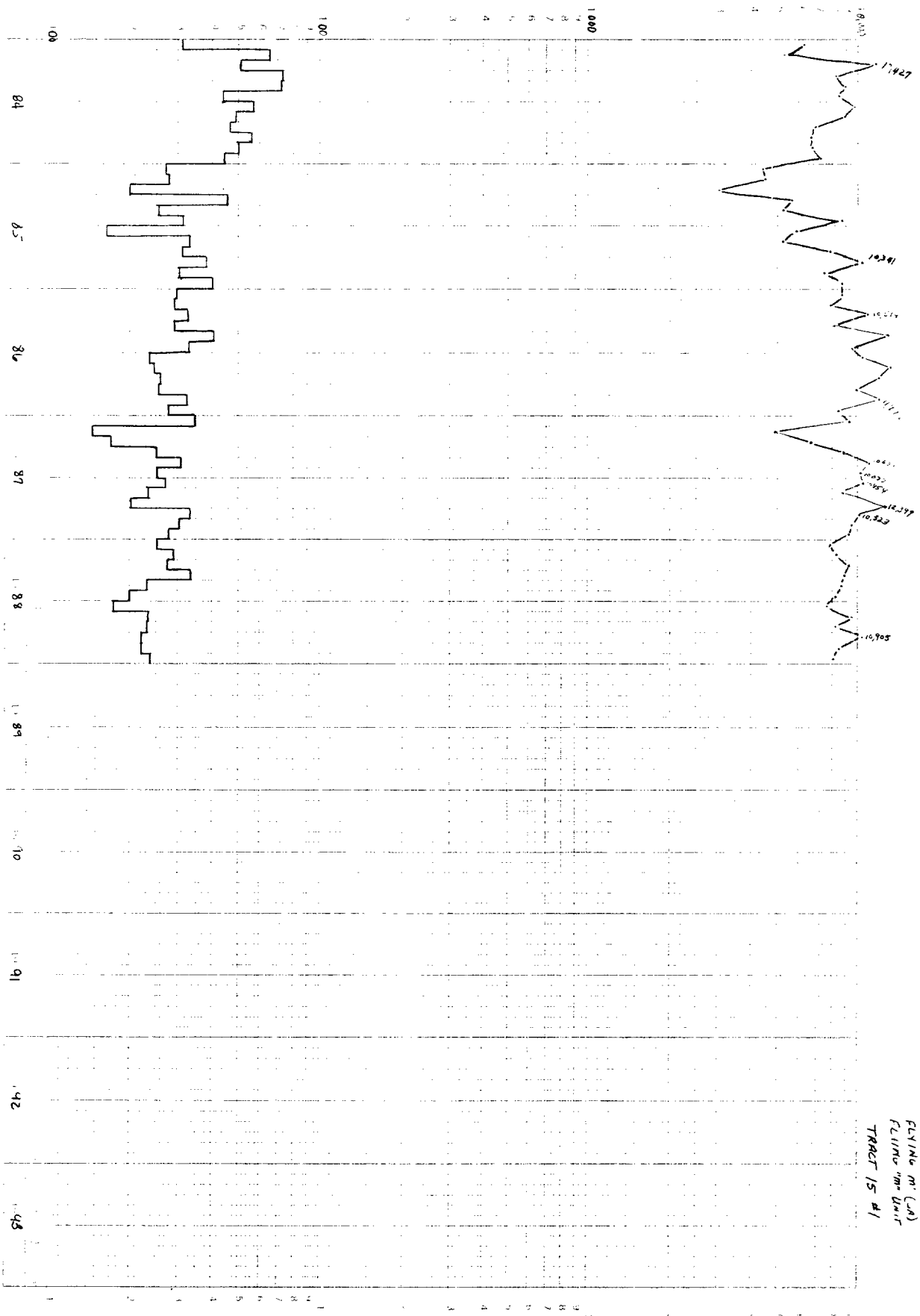


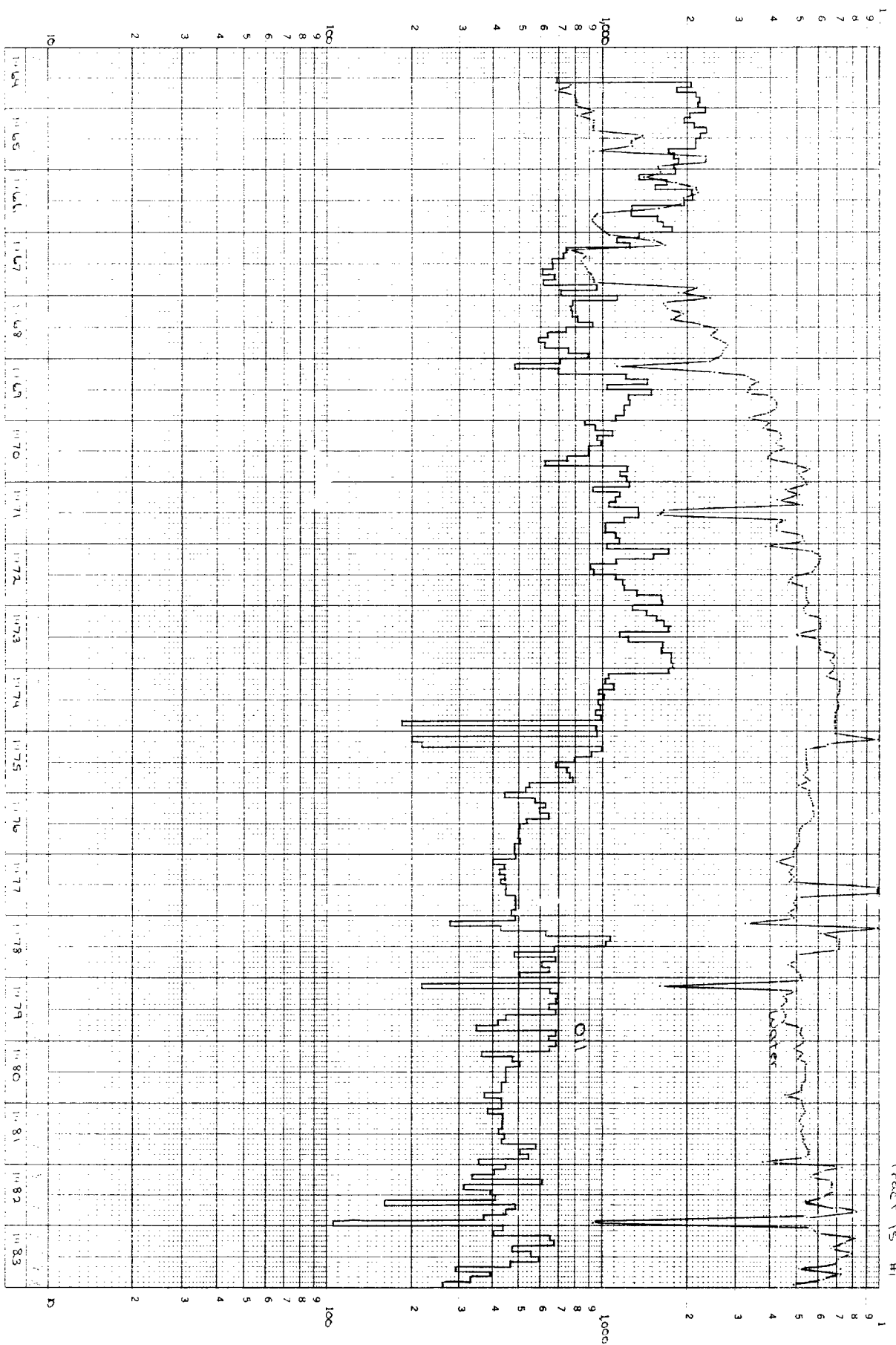
Flying "M" (SA) Unit  
 TC 13 #6



Flying M' (Scen Auding)  
 Flying M' Unit  
 Loc 14 HS



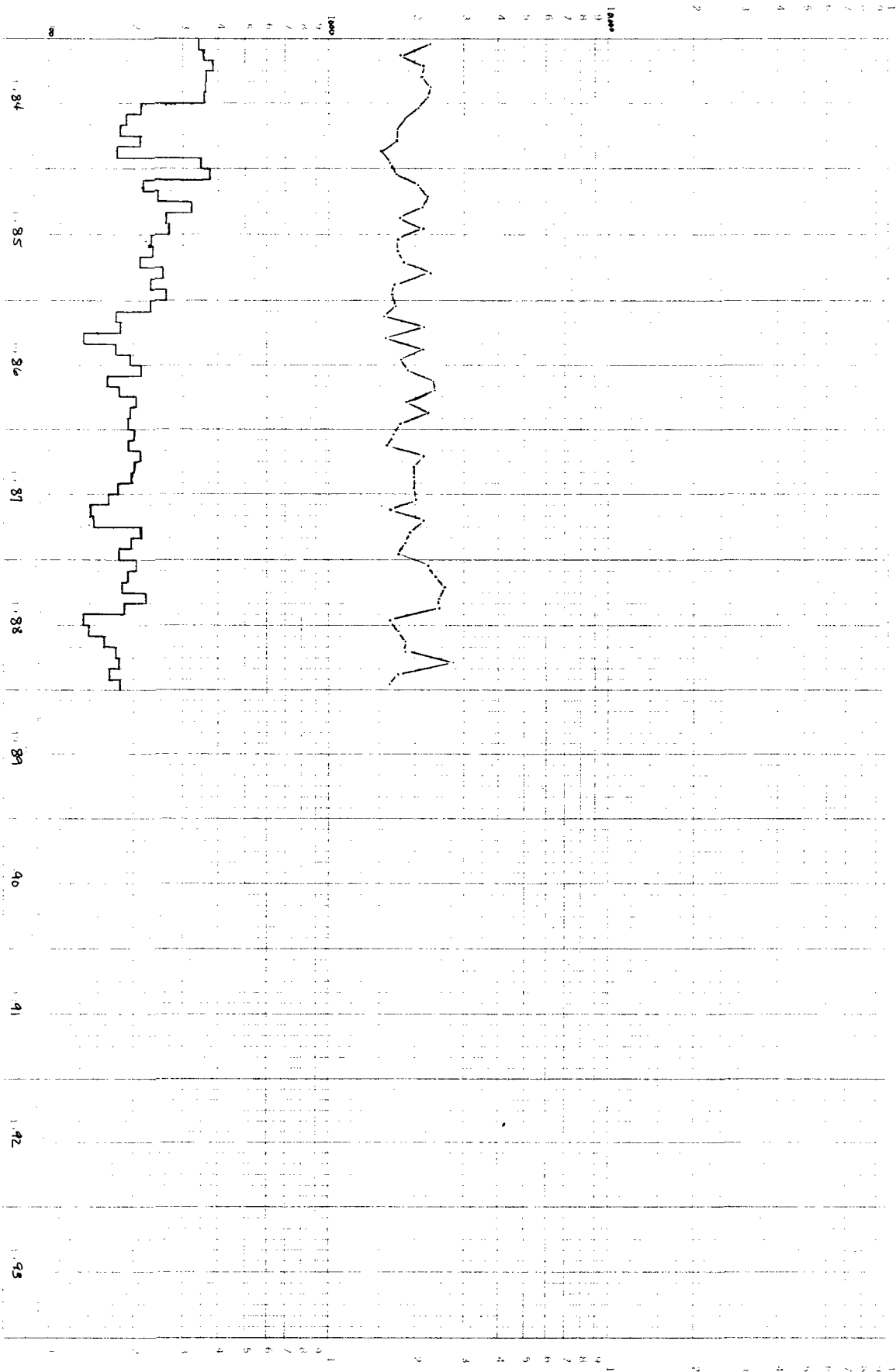


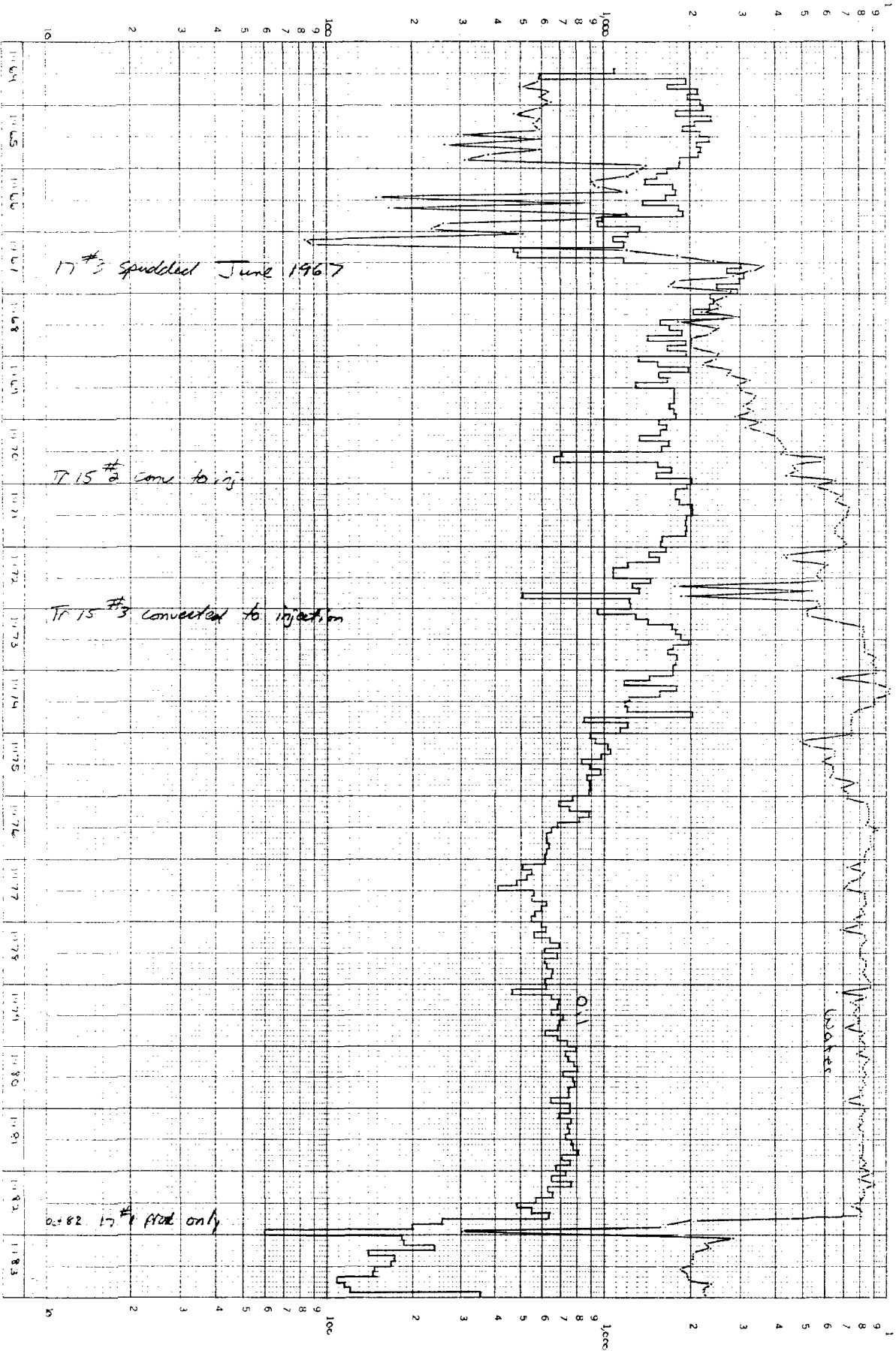


Oil  
Water  
Tract 15 MI



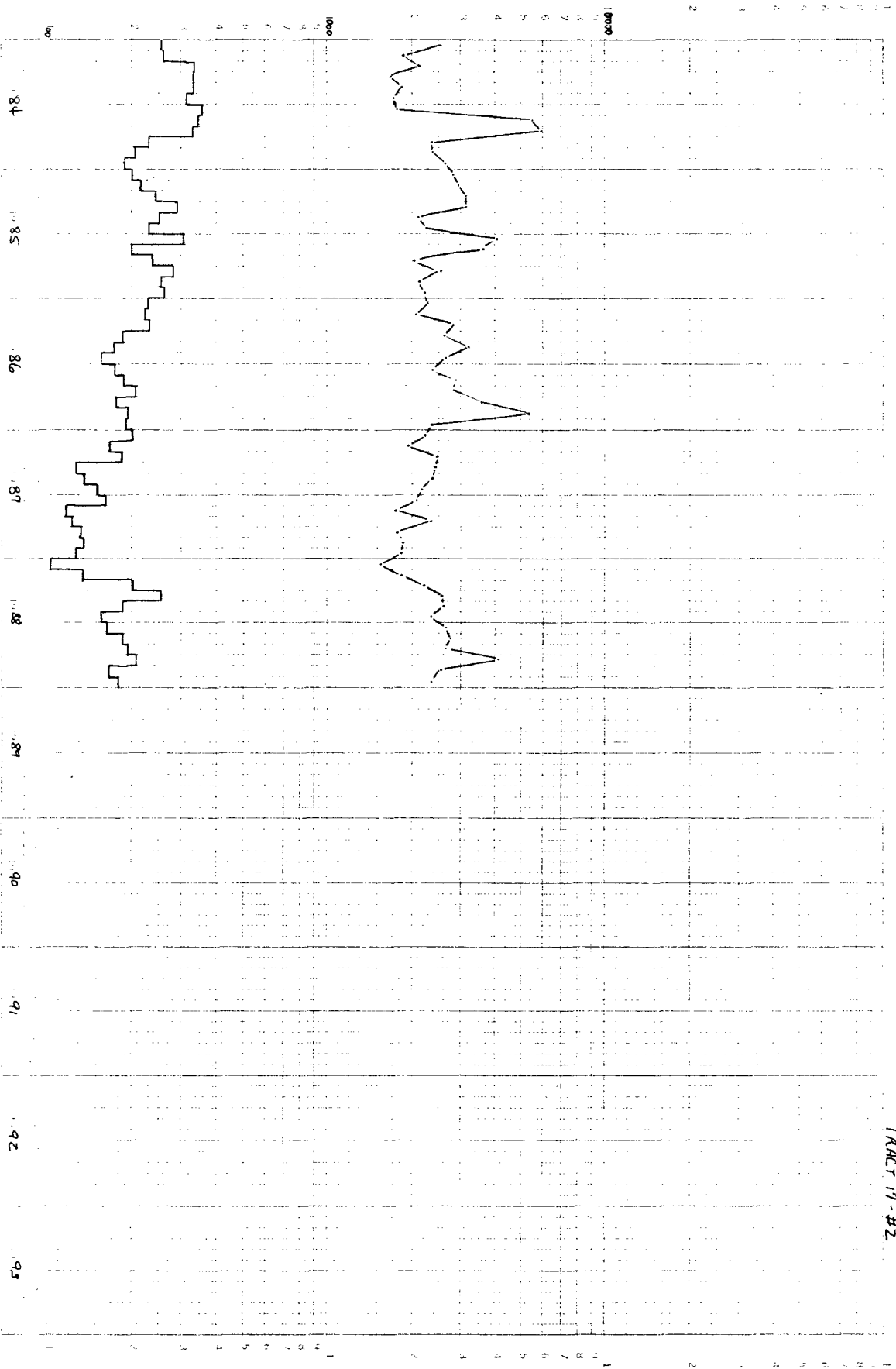
FLYING "M" (S.M. ARORE)  
 FLYING "M" UNIT  
 TRACT 19-A-1



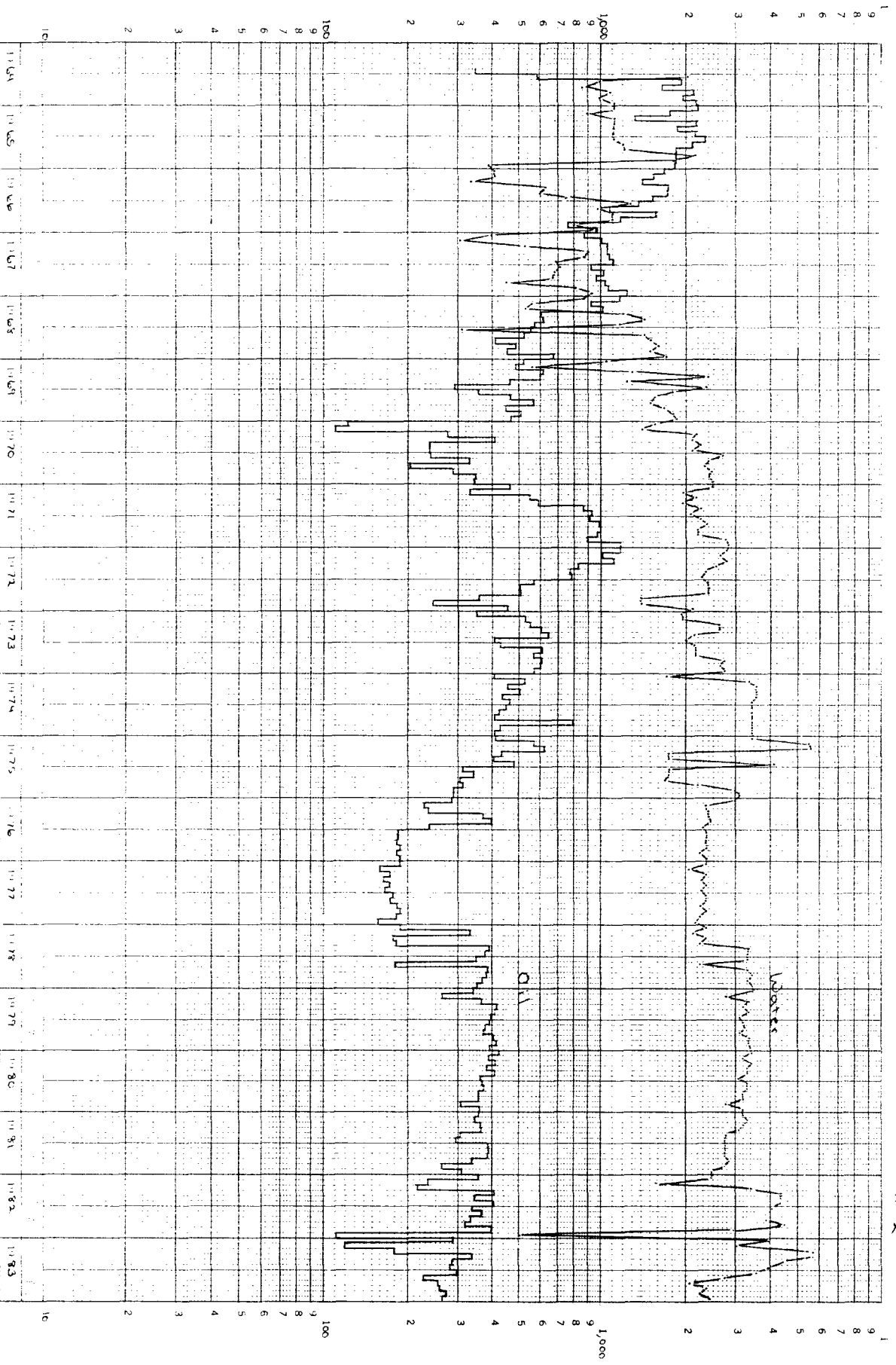


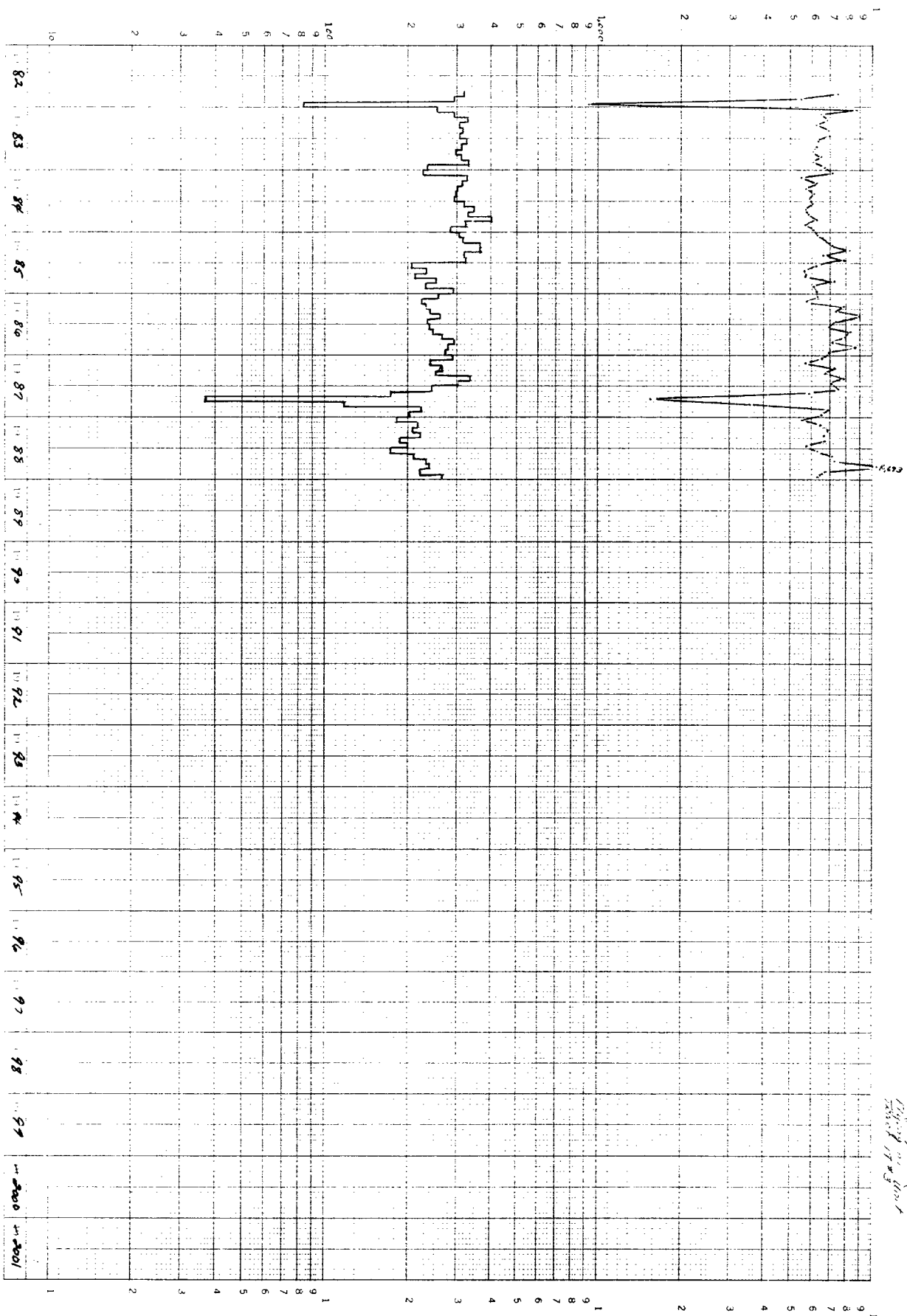
11-2-83 (11-2-83)  
 Flying M. Lane  
 Tract 17 M4#3

121116 "M" (50M ANDRES)  
FLYING "M" UNIT  
TRACT 17-#2

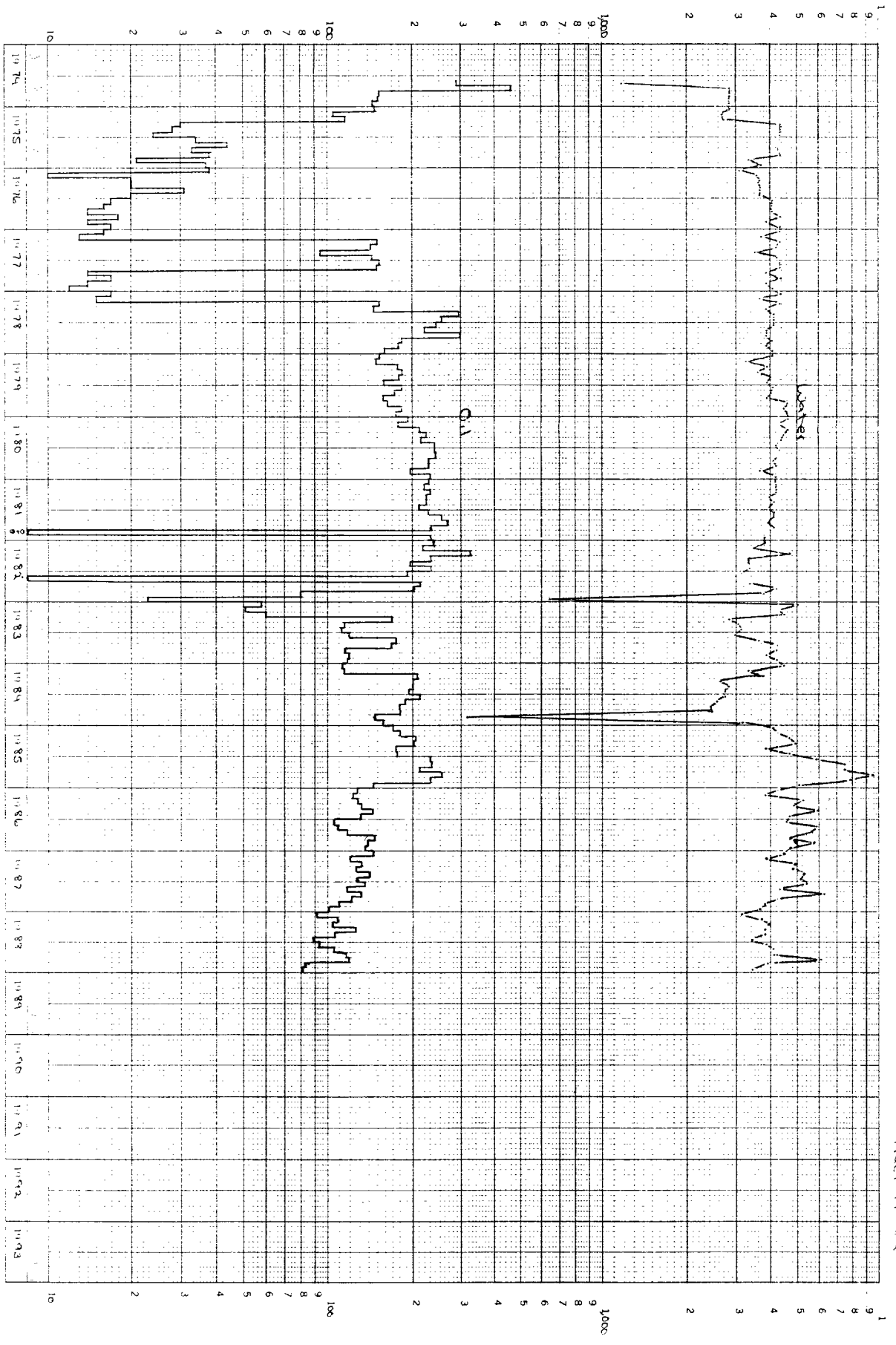


Flying M (San Andres)  
 Flying M Unit  
 Tract #2

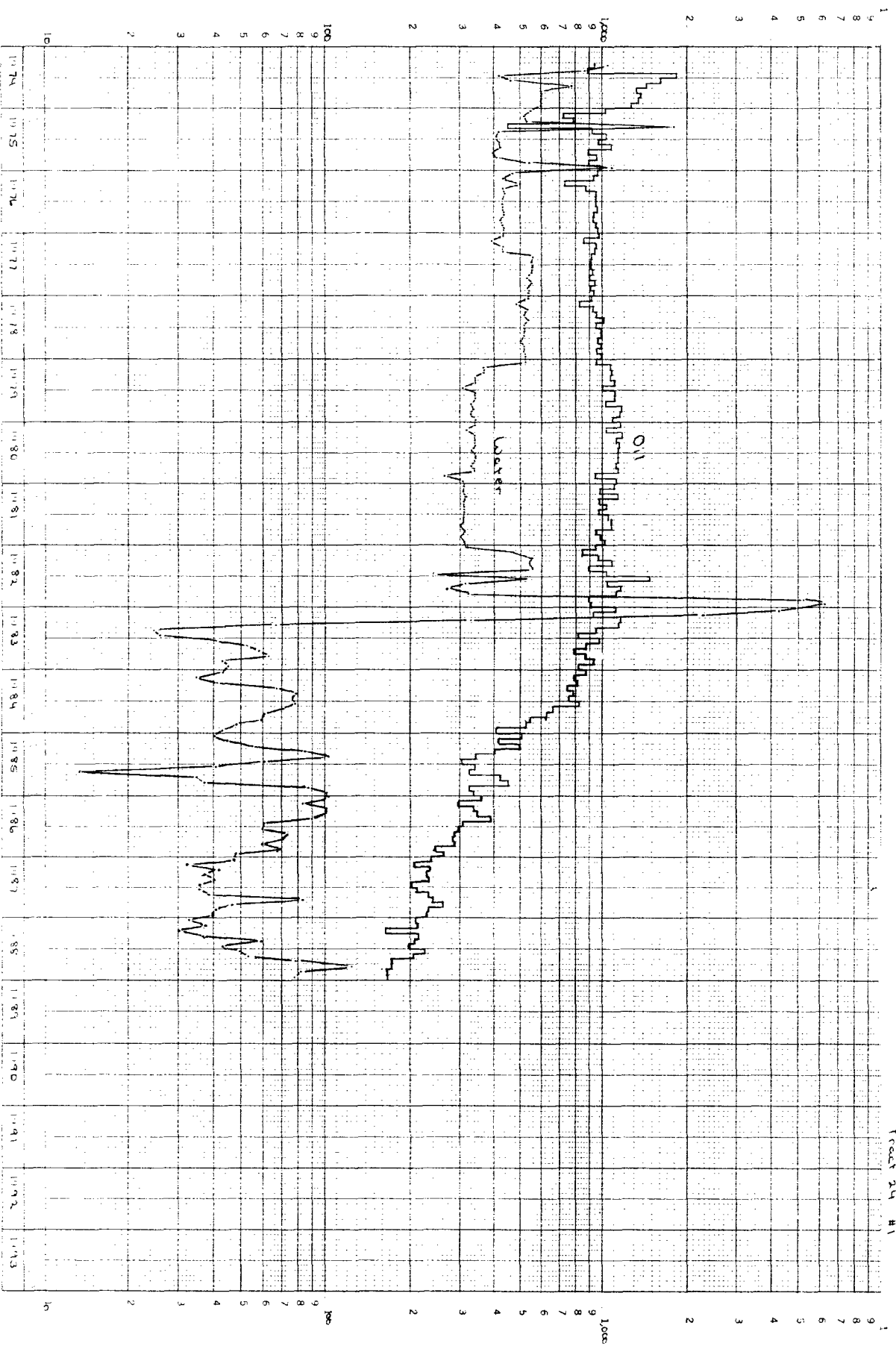




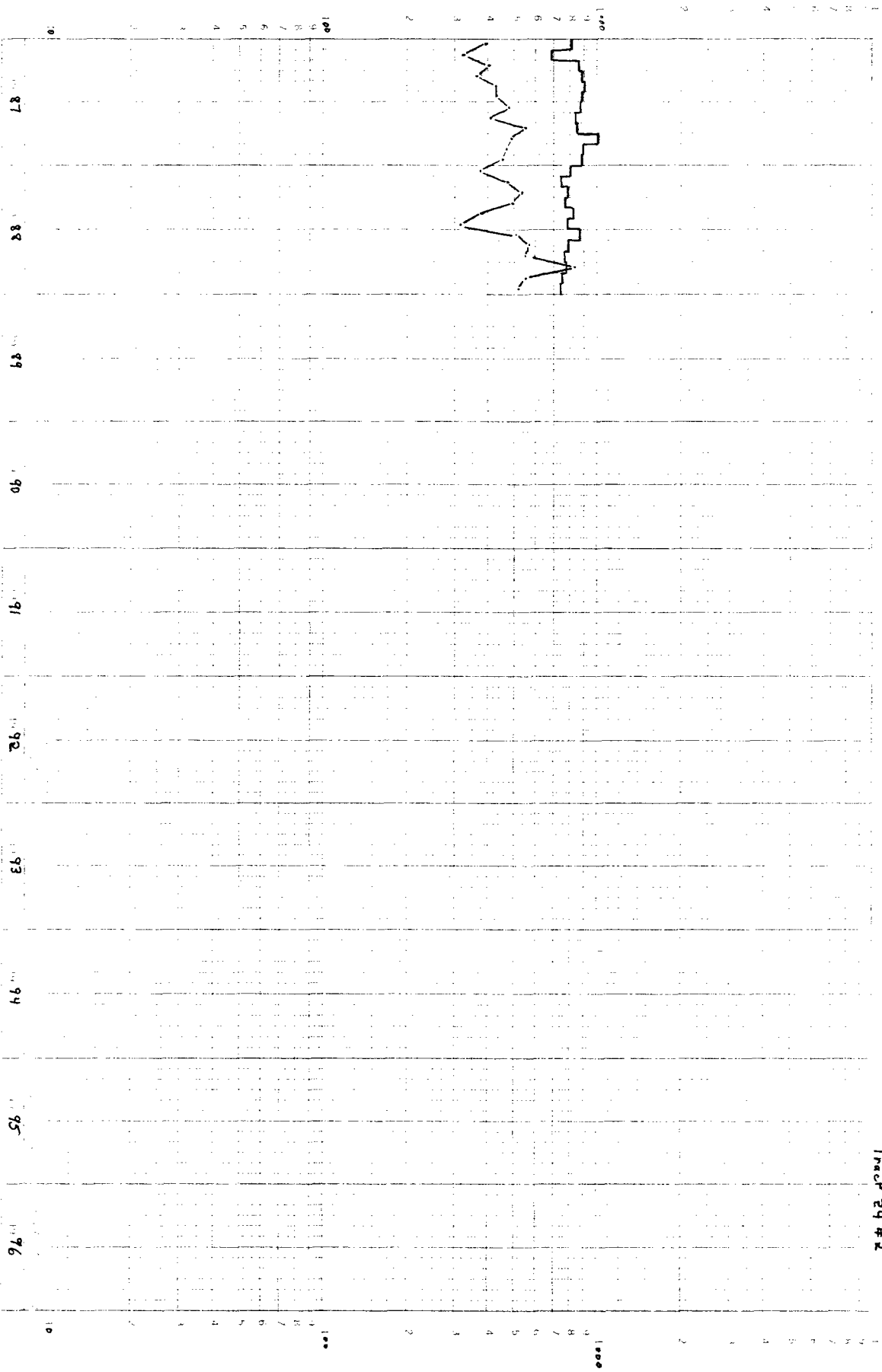
1st yr. 2nd yr. (cont'd)  
 Flying W. Unit  
 Ticket 17 #4



Flying M (San Andres)  
 Flying M Unit  
 Tract 24 #1

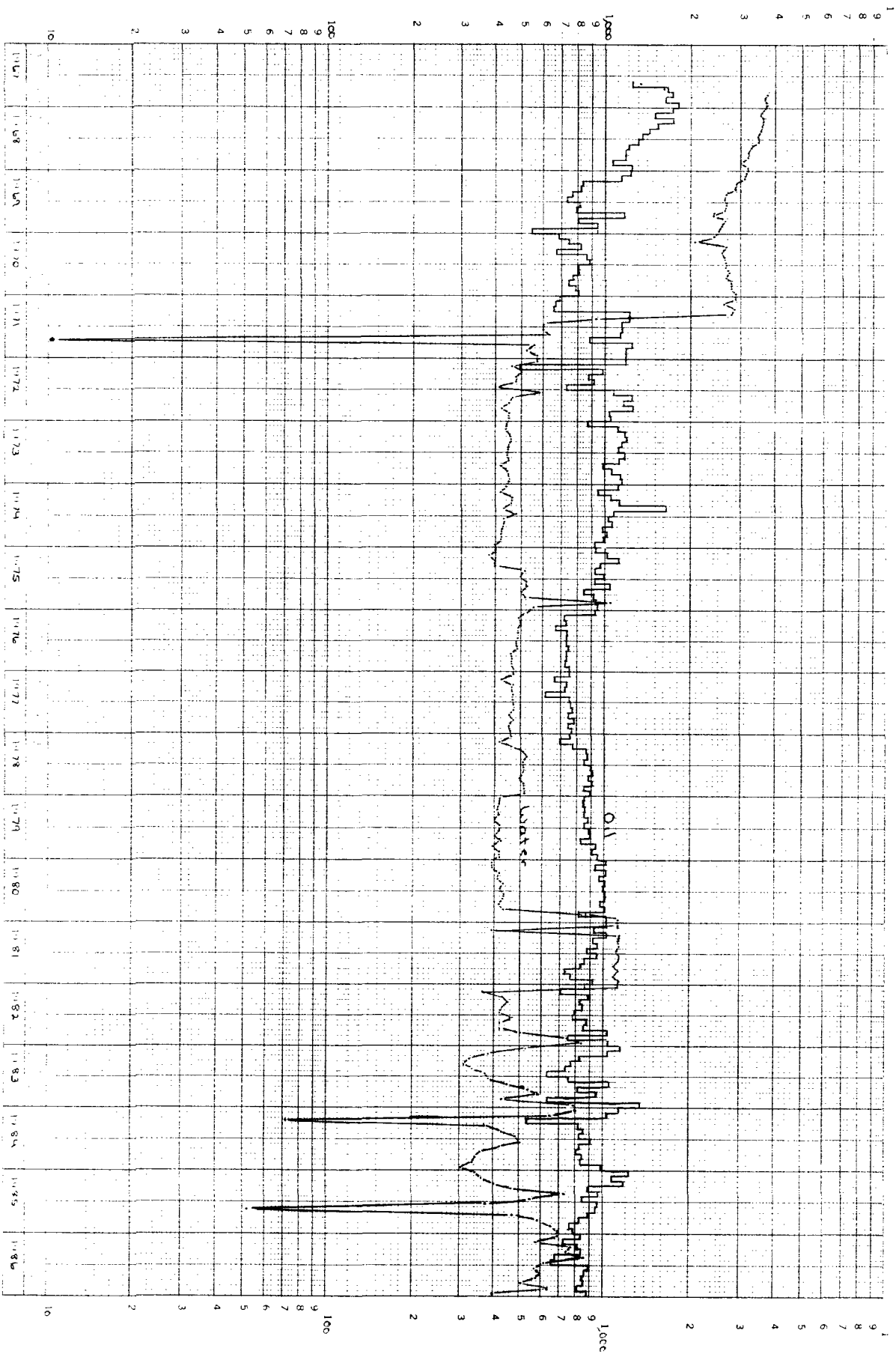


Flying "M" (Sen. Andree)  
Flying "M" Unit  
Track 24 #2

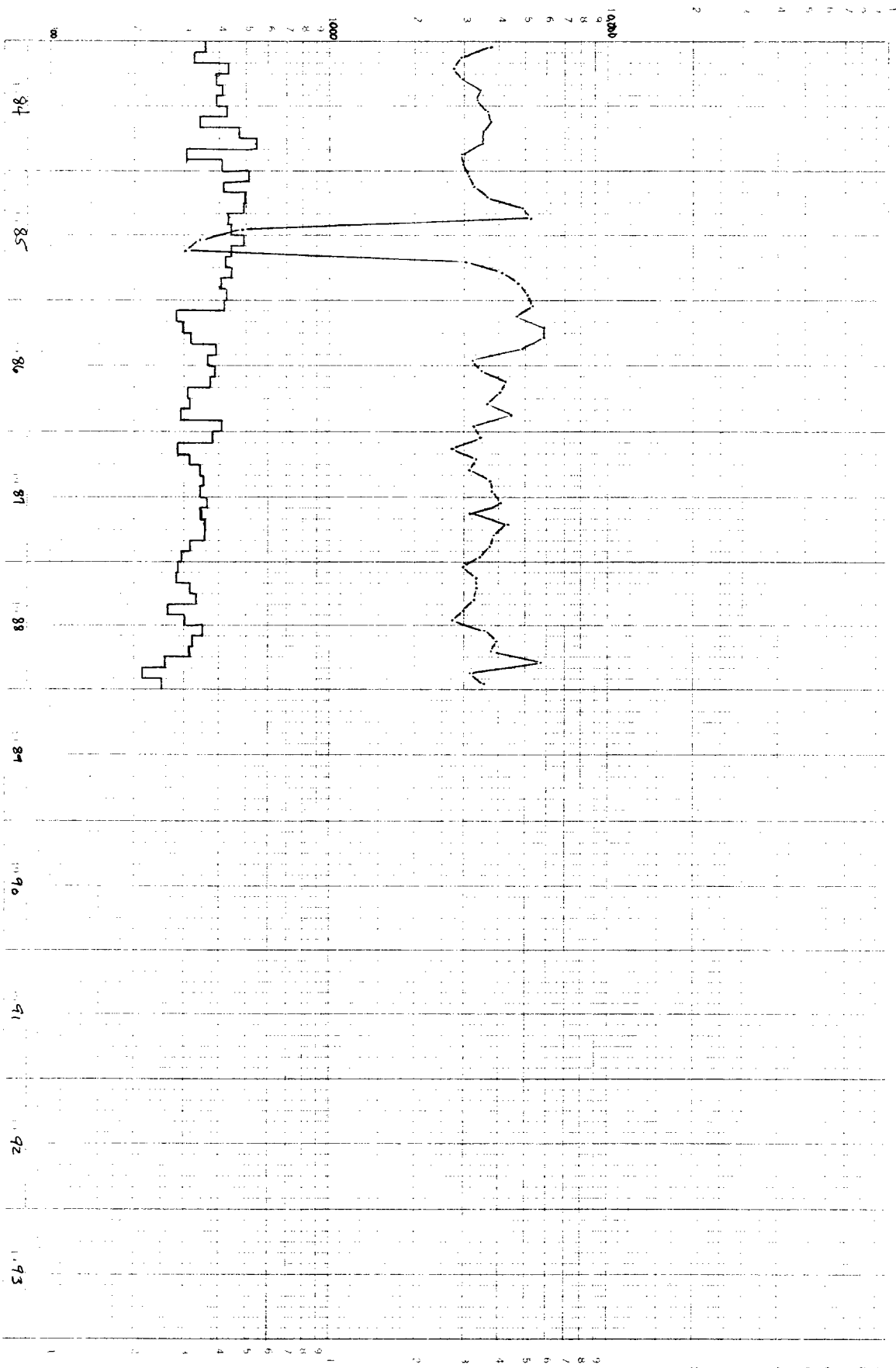




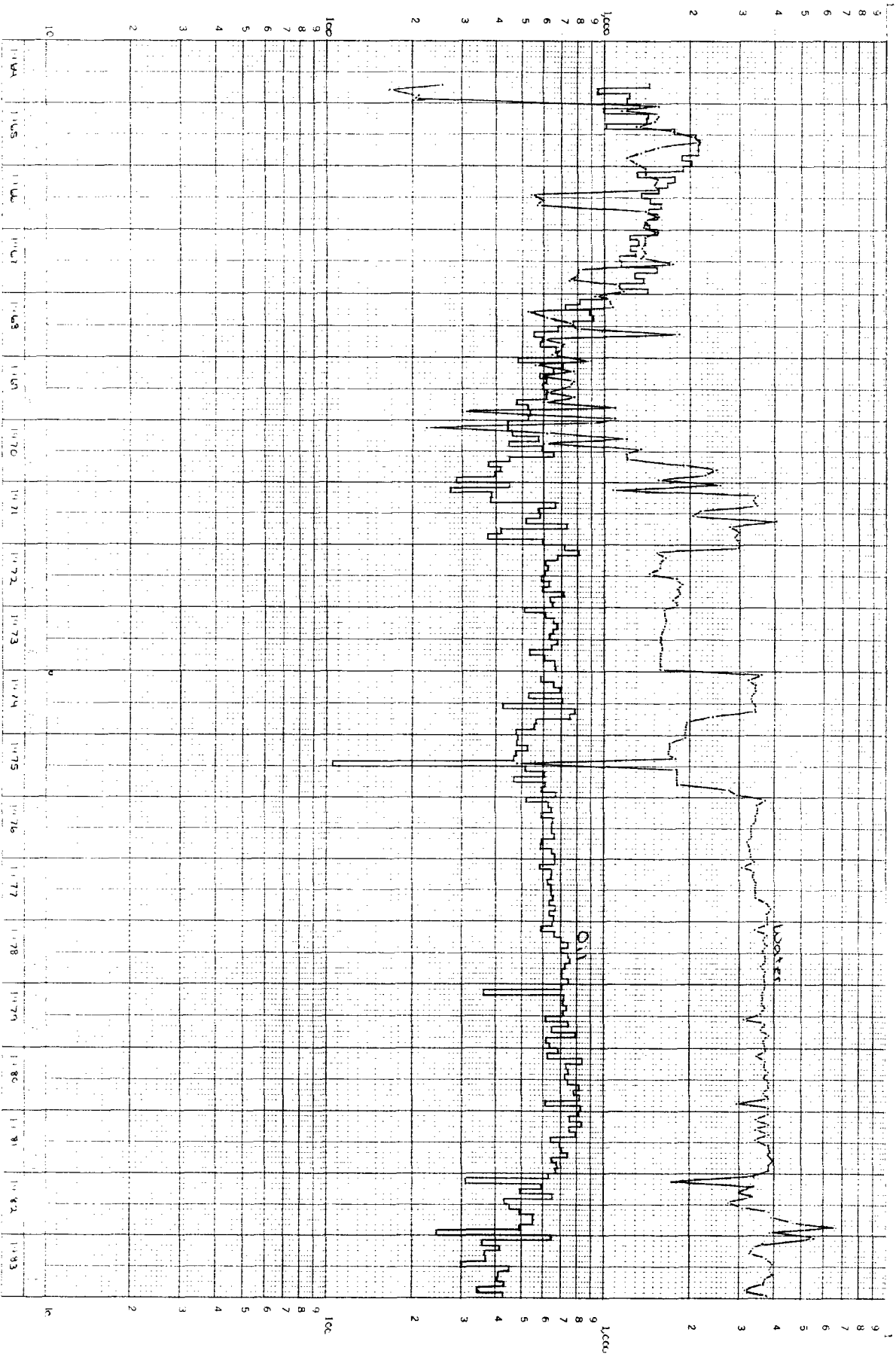
Flying M (San Andres)  
 Flying M Unit  
 Tract 214 #2



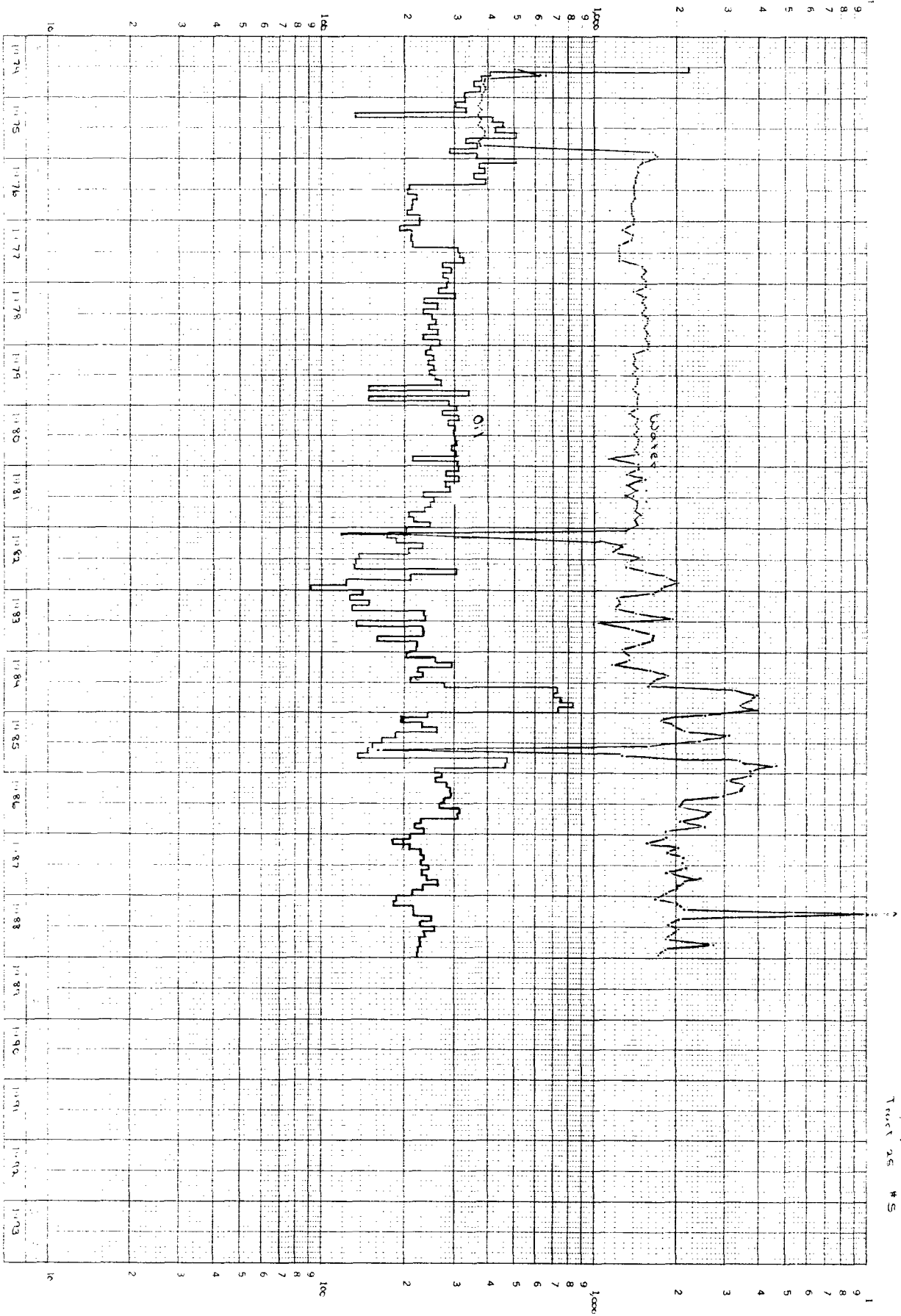
FLYING "M" (SAN ANDREAS)  
FLYING "M" UNIT  
TRAIL 25 MI



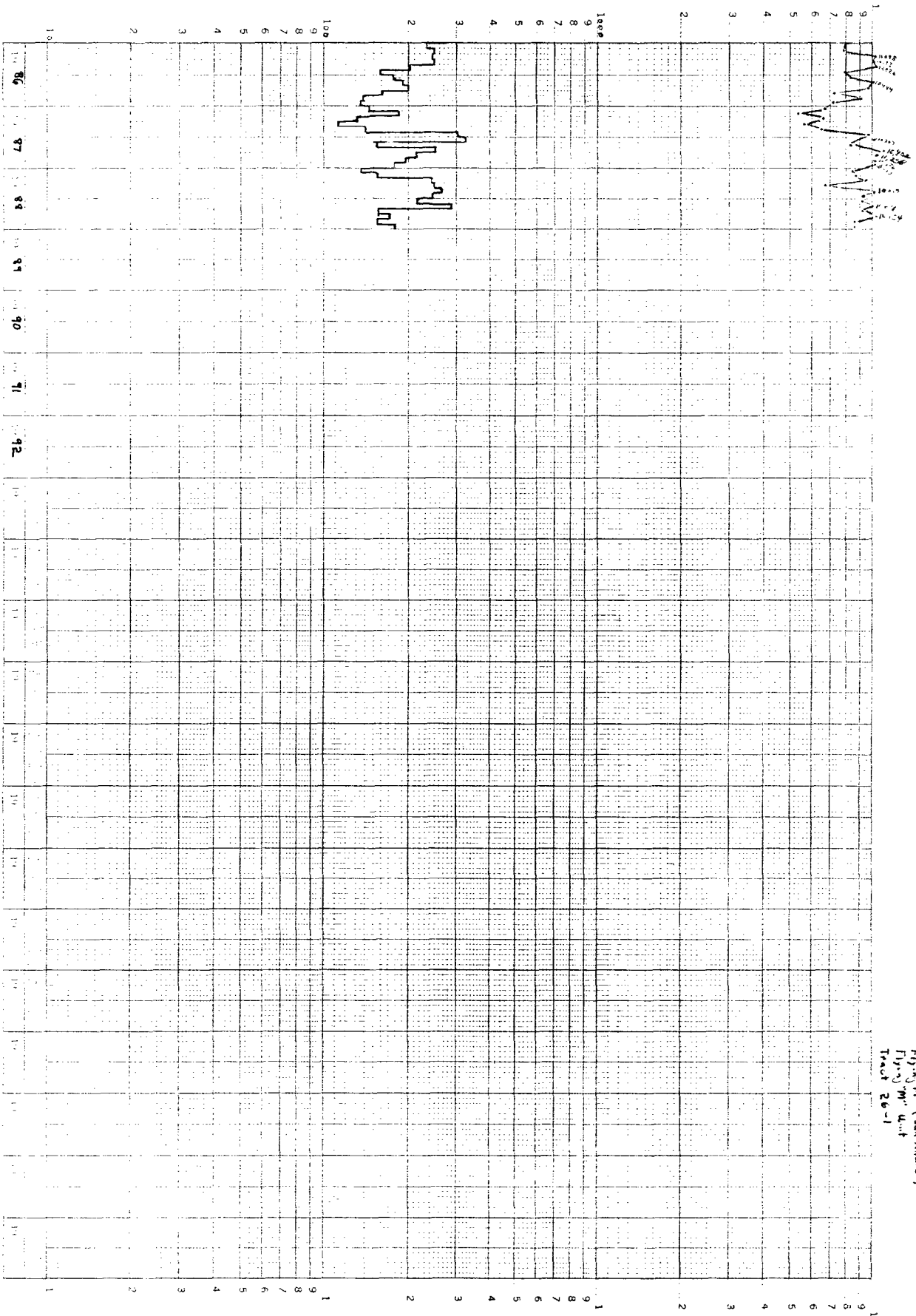
Flying M (San Antonio)  
 Flying M Unit  
 Track 25 #1



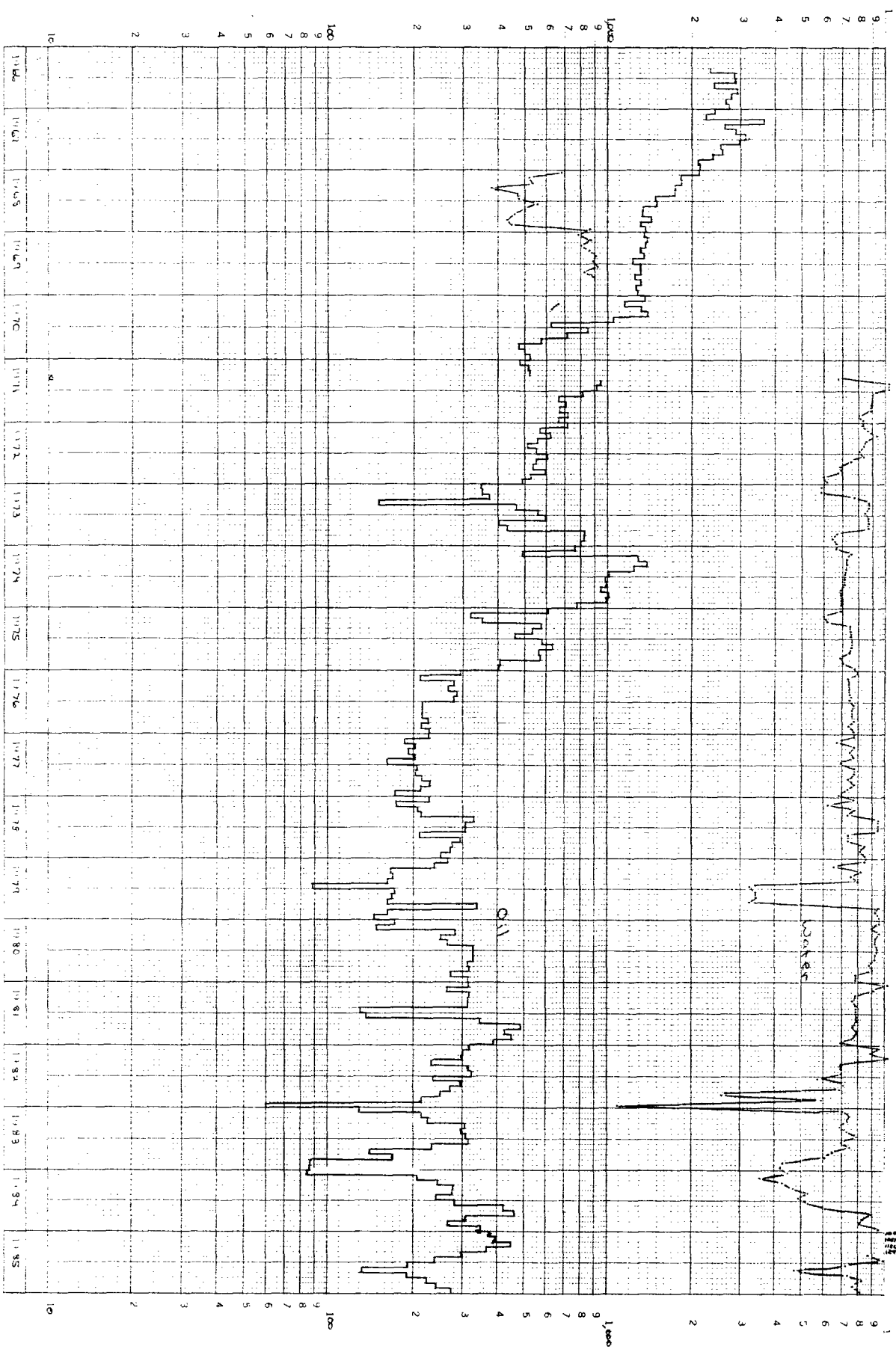
Flying M (Son Antonio)  
 Flying M Unit  
 Tract 26 #5



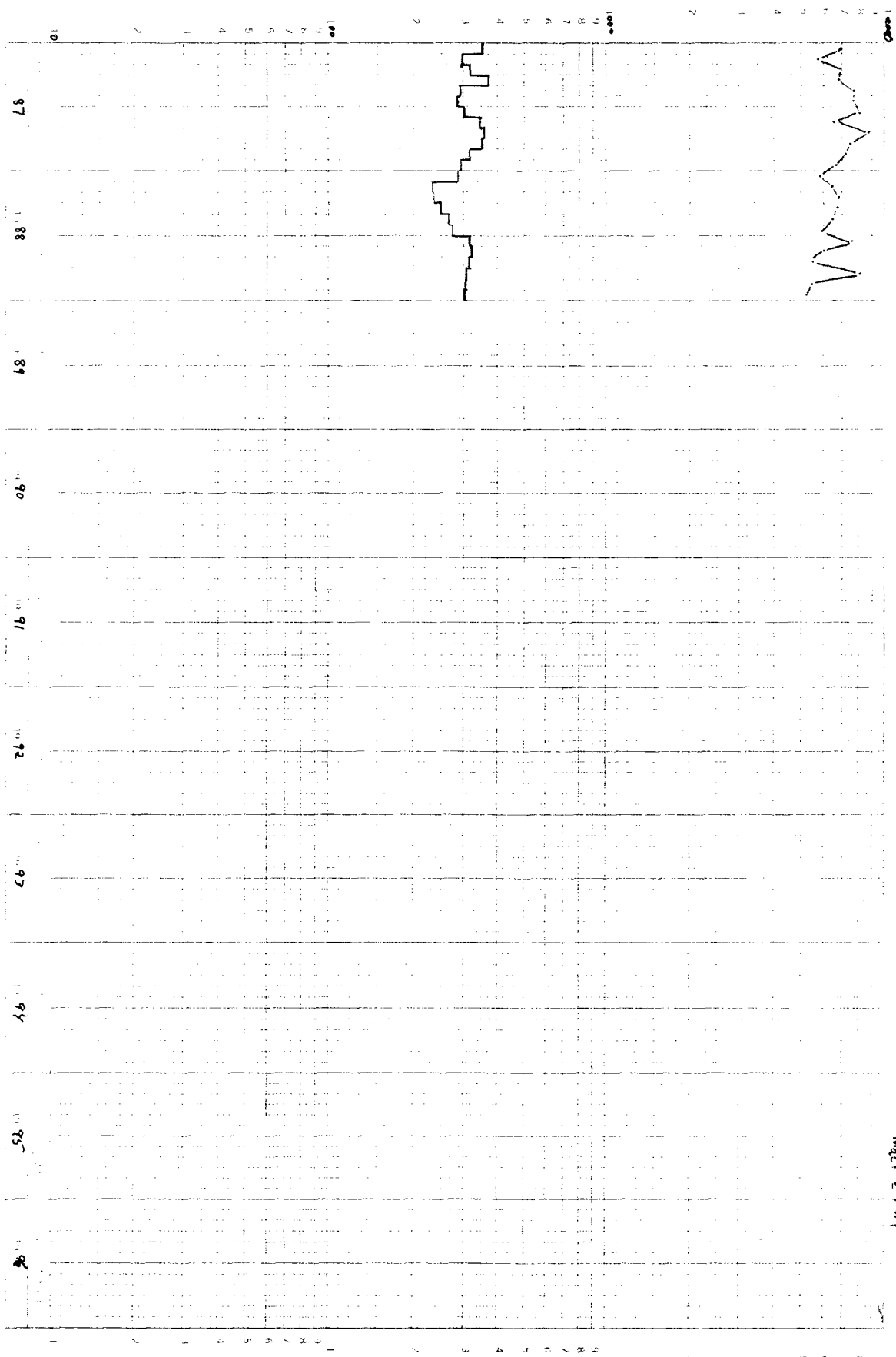
Flying M (San Antonio)  
Flying M Unit  
Track 26-1



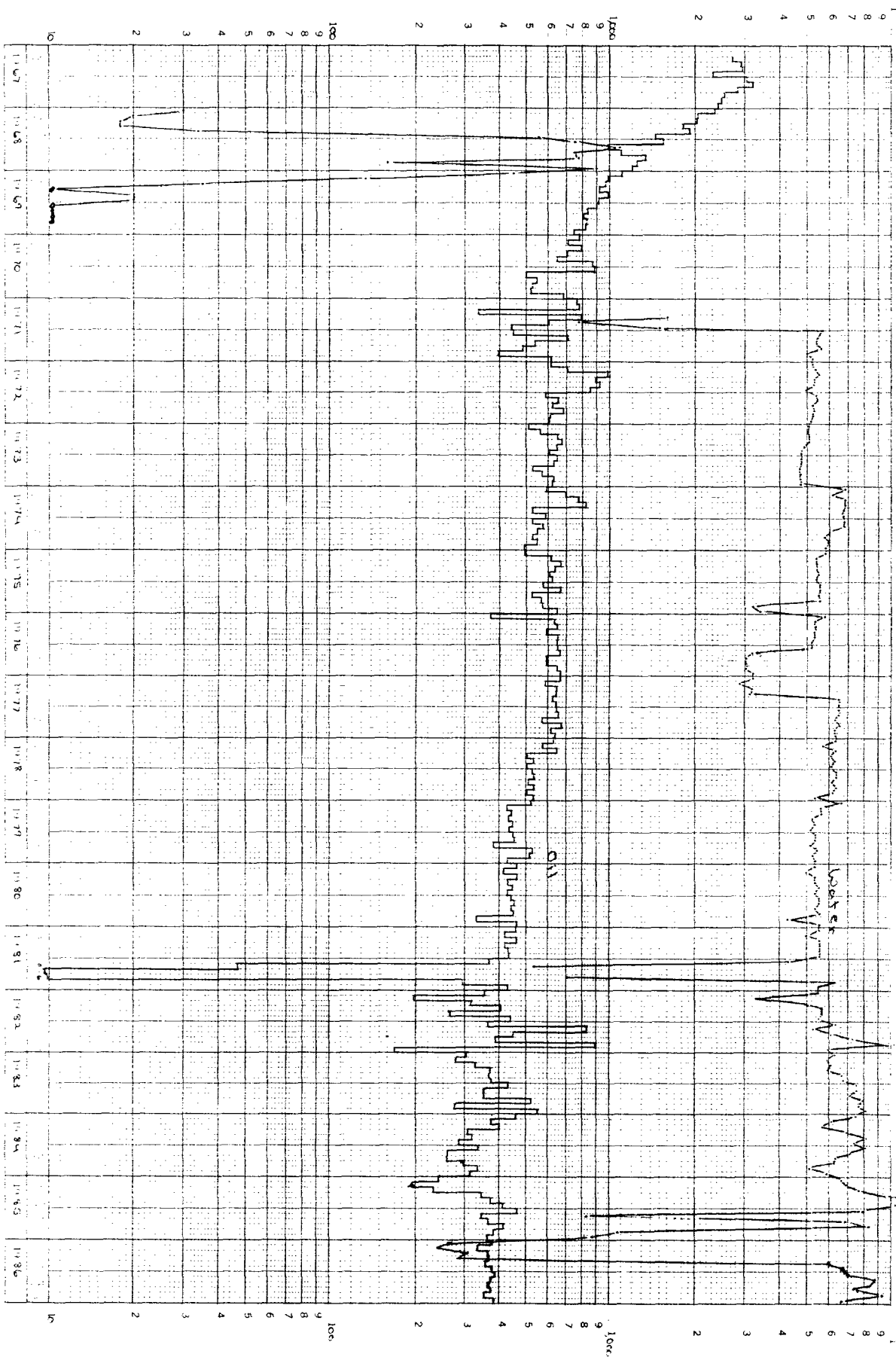
Flying M (Southland)  
 Flying M Unit  
 Turret 26  
 R1



Flying "M" (San Antonio)  
 Flying "M" Unit  
 Tract 27 #1

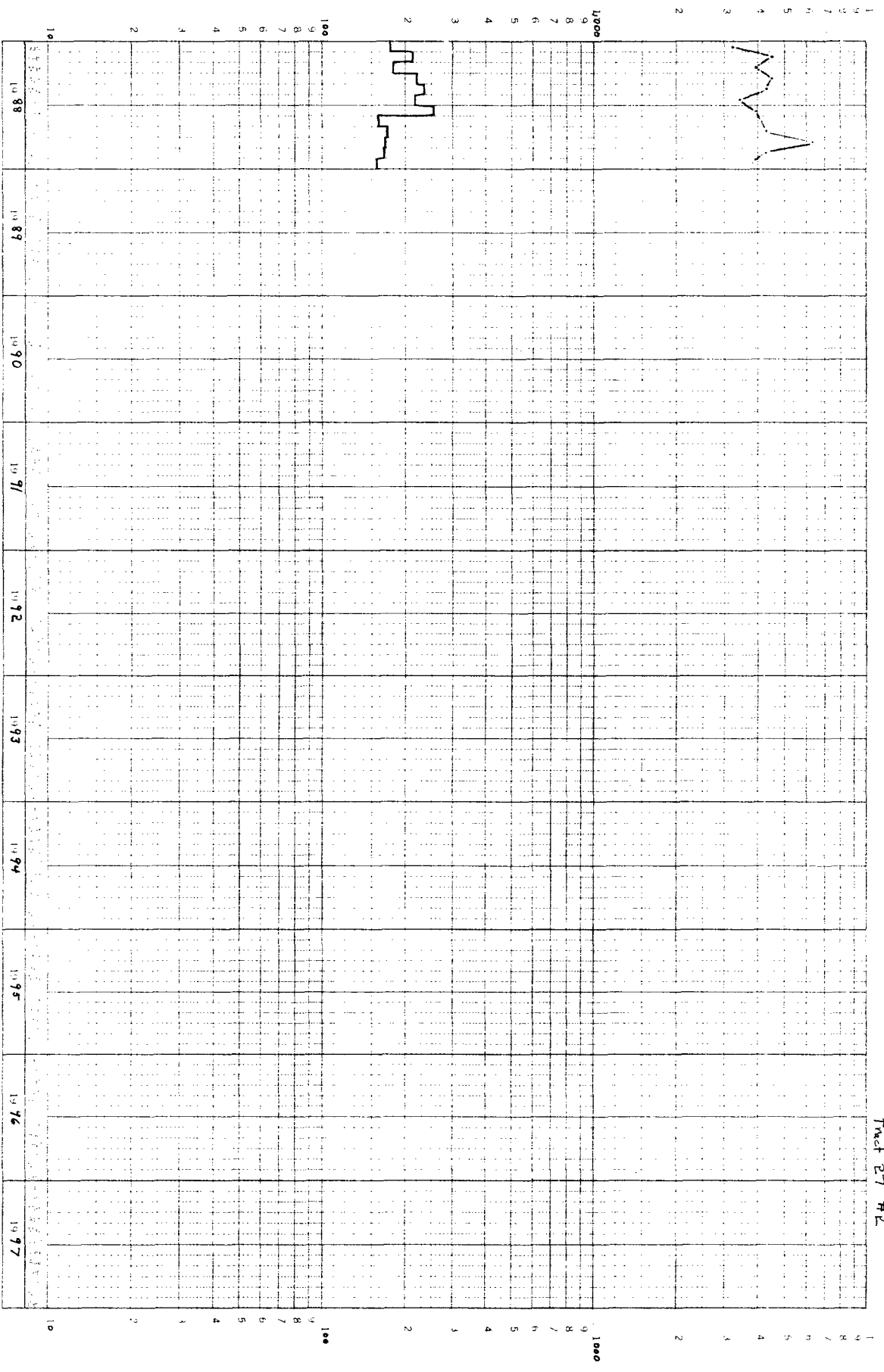


Flying M (Scan Andrew)  
 Flying M Unit  
 Tracer A1 #1

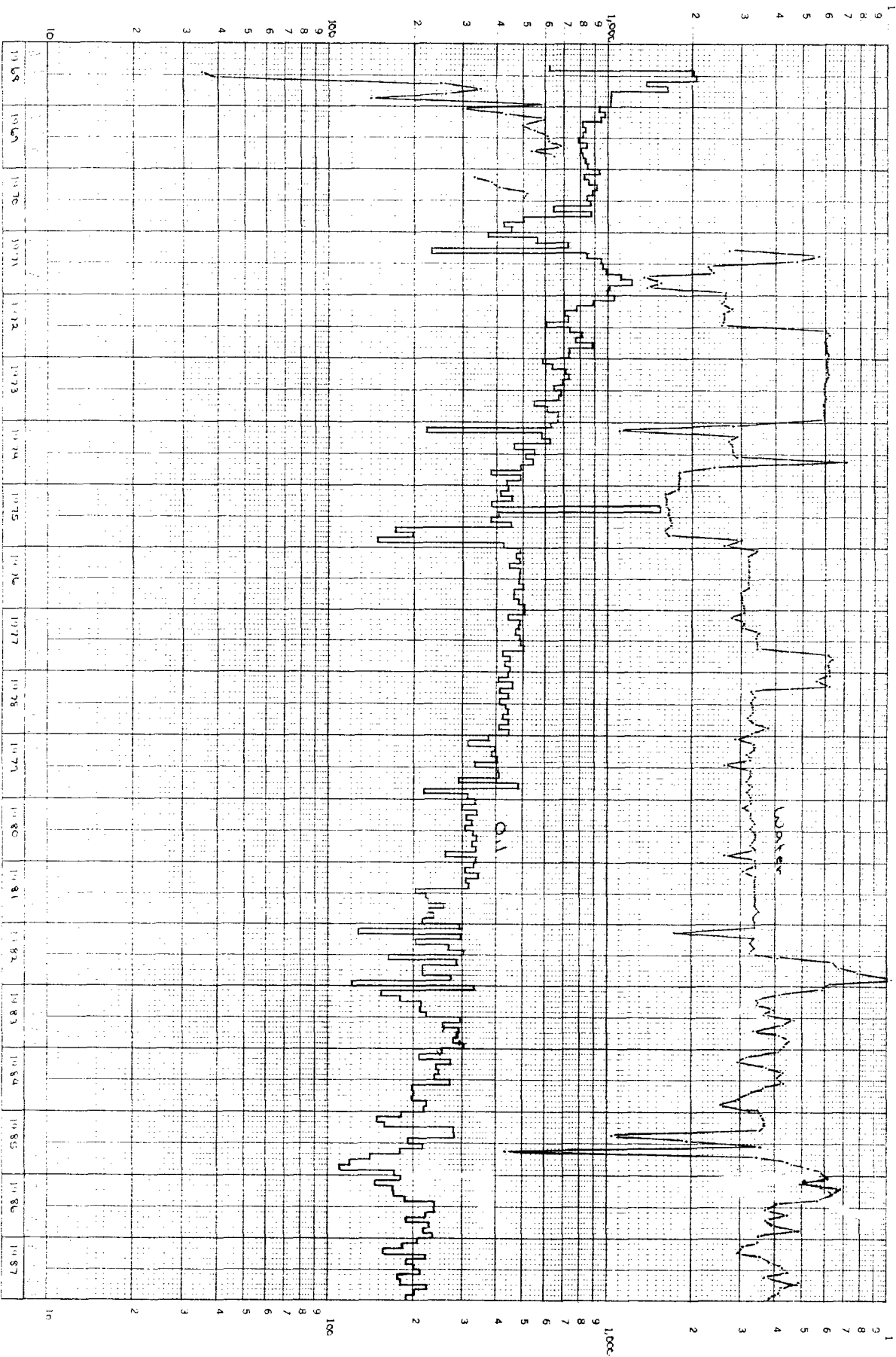


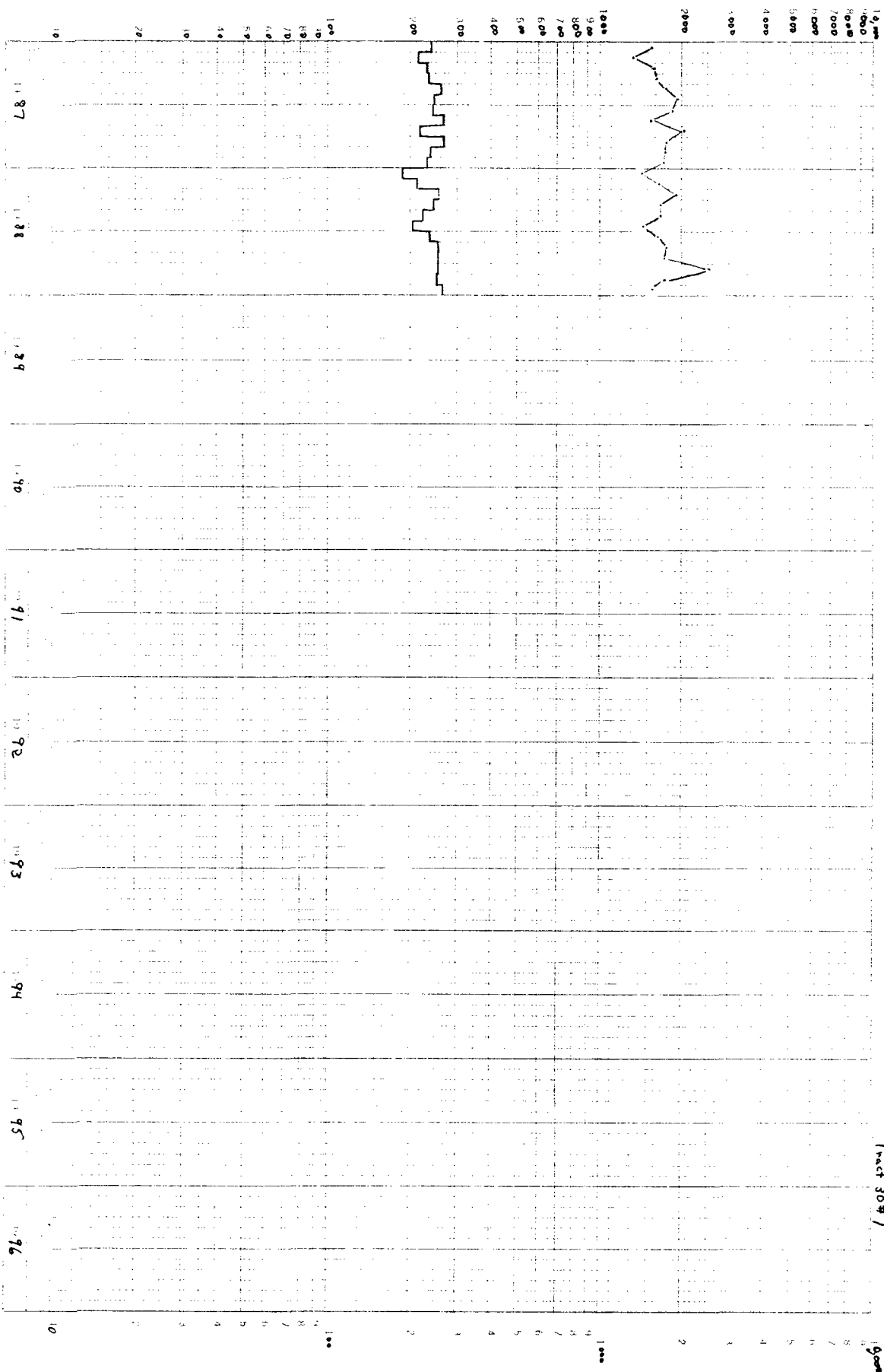


Flying "M" (San Andreas)  
 Flying "M" Unit  
 Tract 27 #12



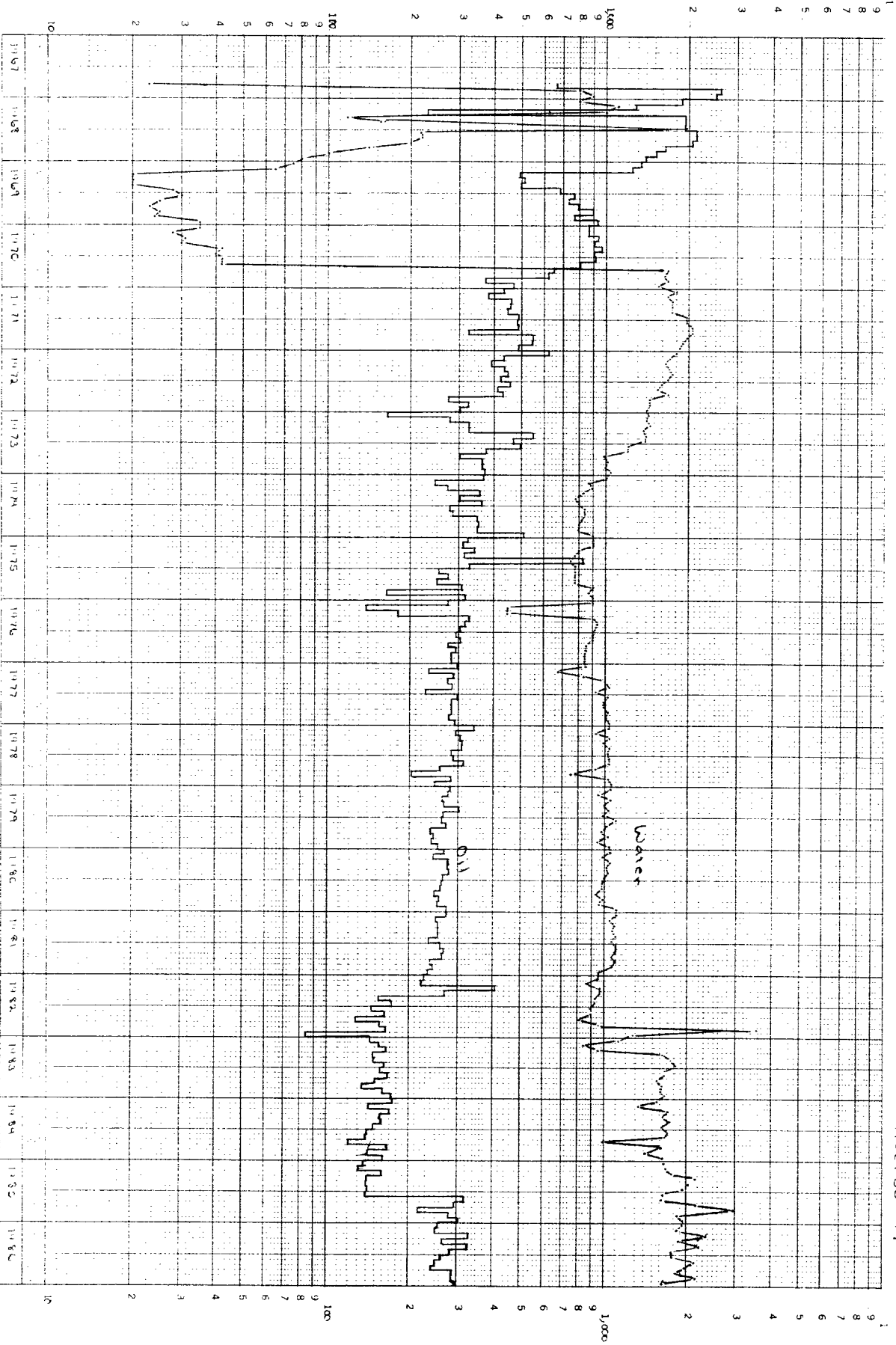
Flying M (Son Andrew)  
 Flying M Unit  
 Tract 27 #2

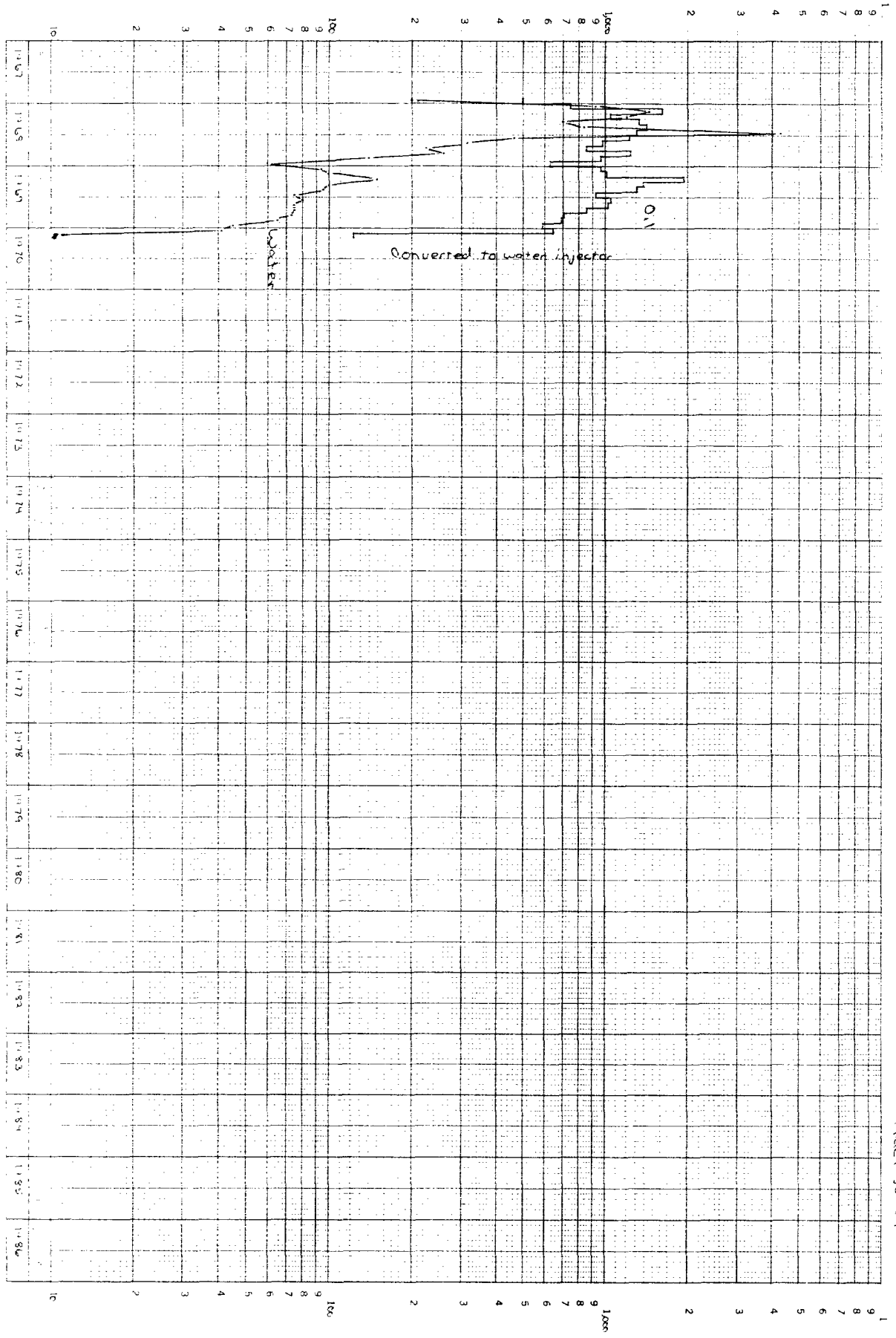




Flying M" (San Andres)  
Flying M" Unit  
Tract 3097

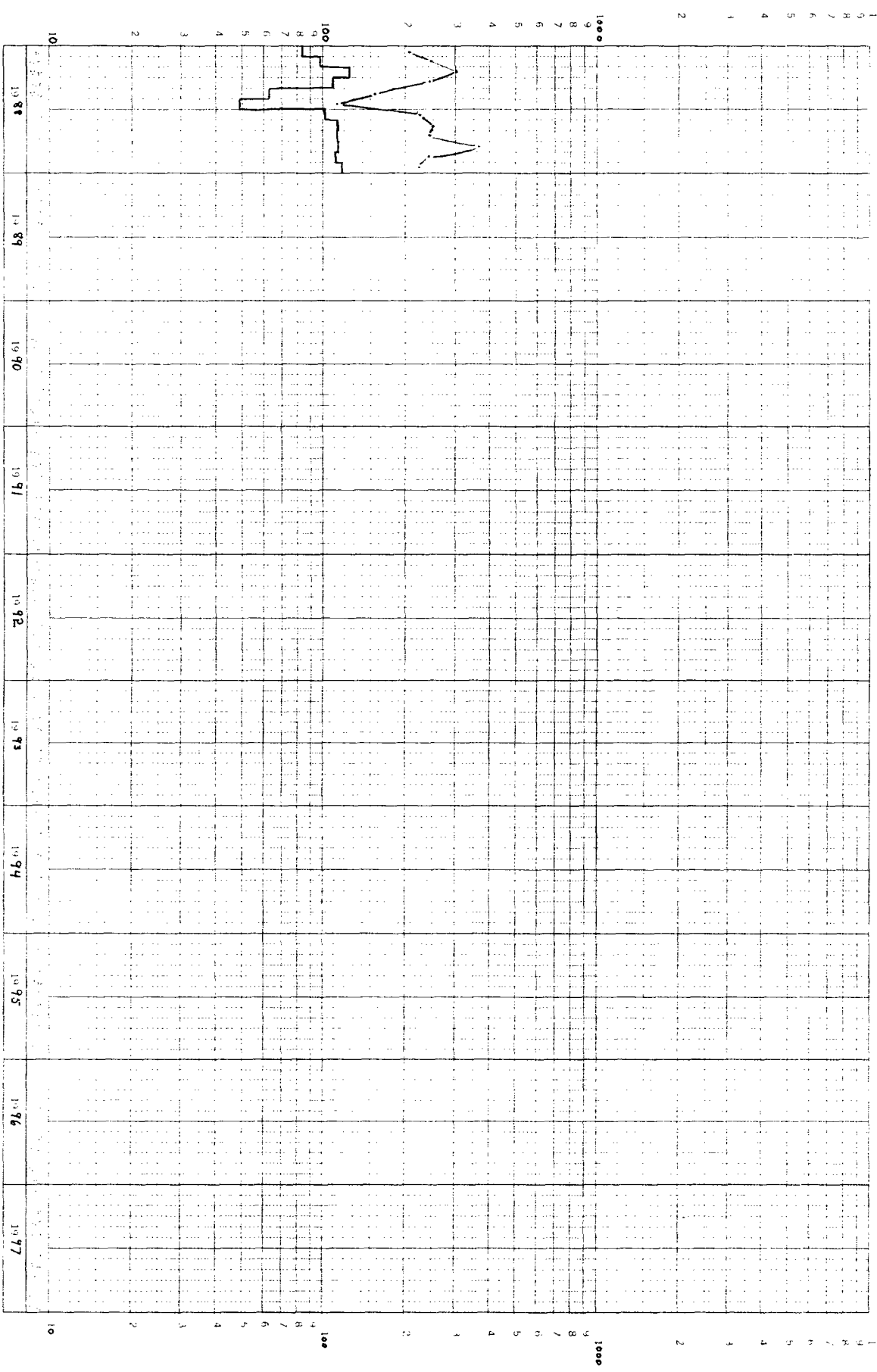
Flying M (Gen. Andres)  
 Flying M Unit  
 Tect 30 #7



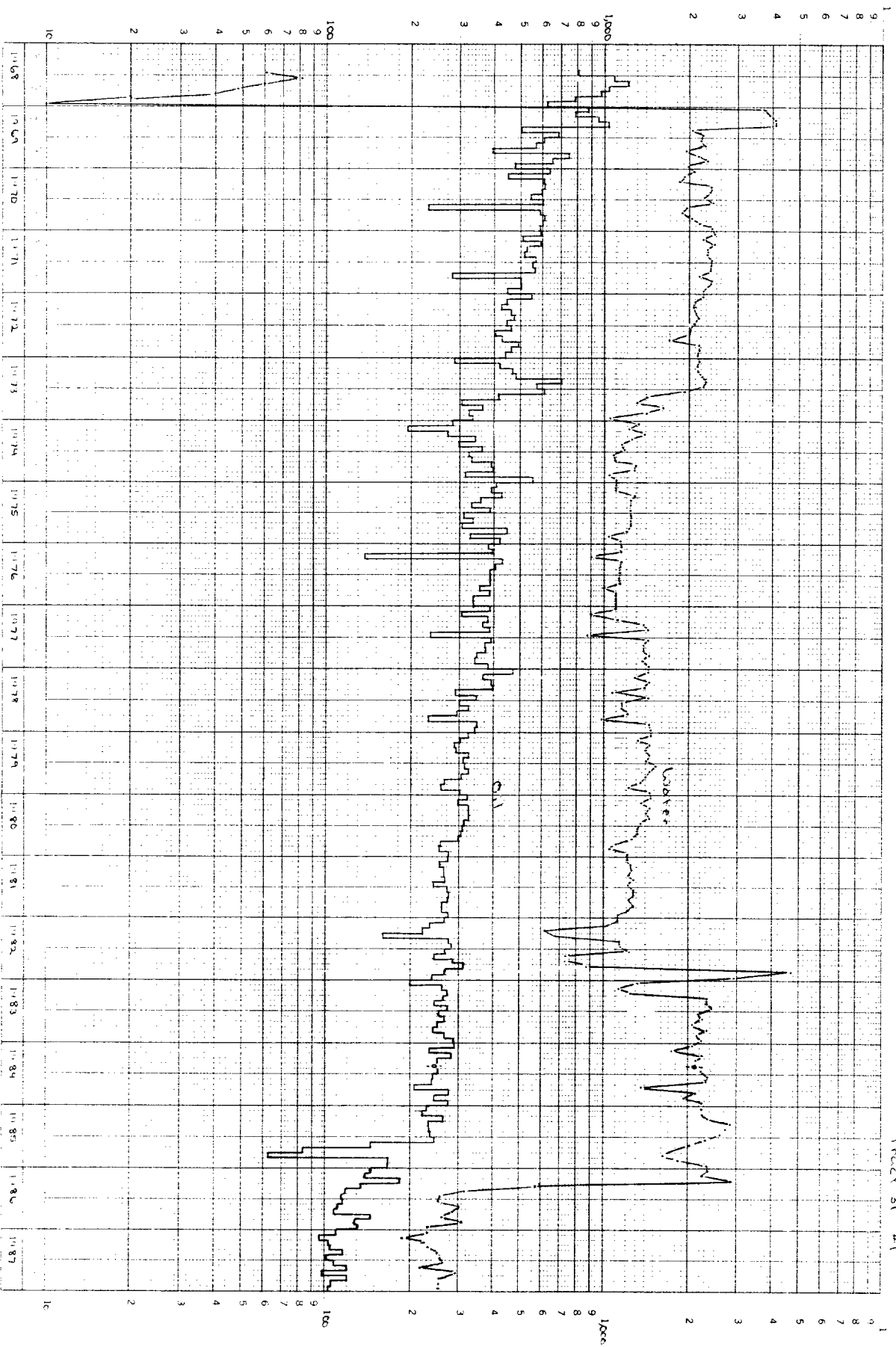


Flying M (San Andres)  
 Flying M Unit  
 Tract 30 #9

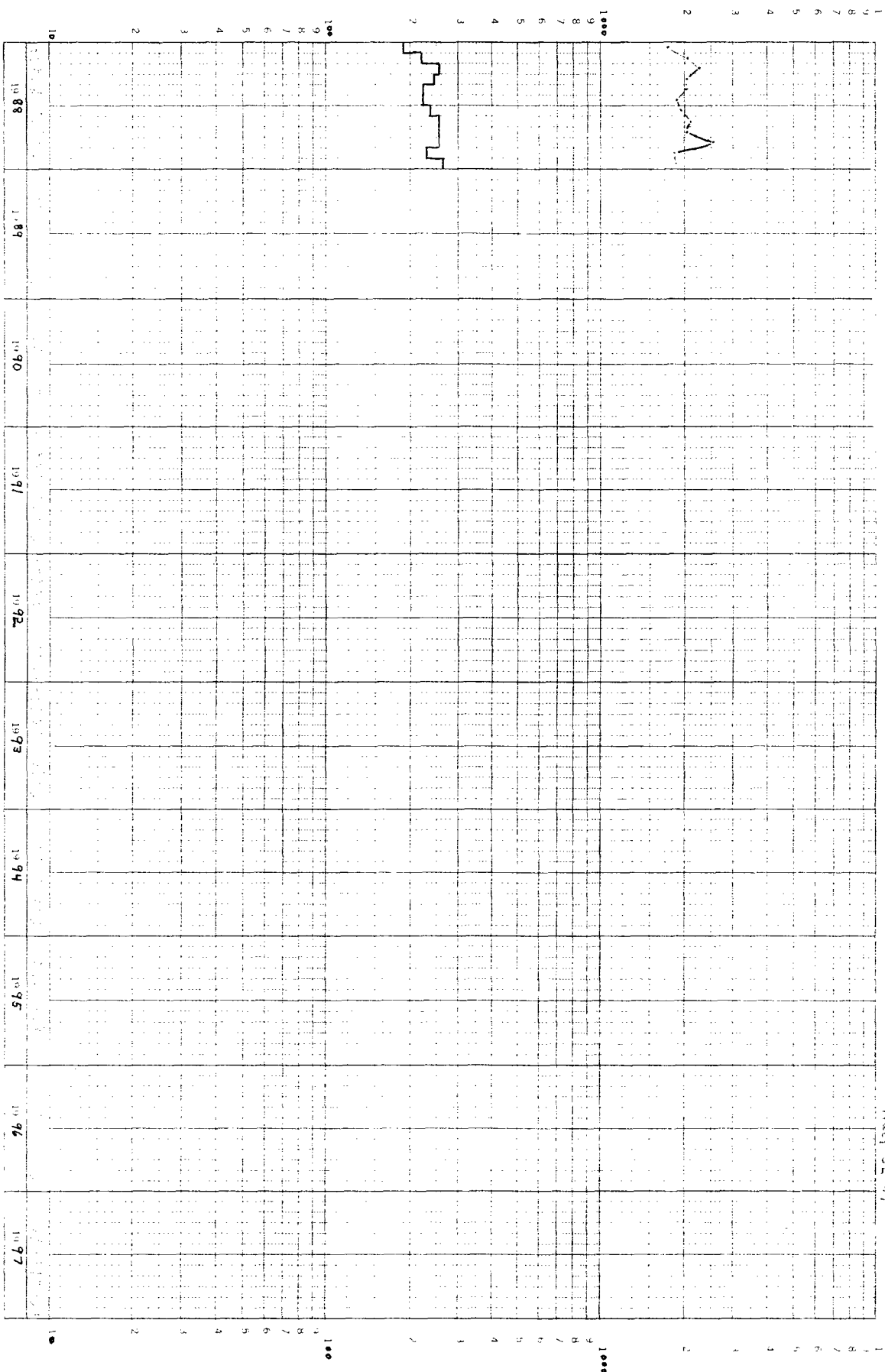
Flying "M" (San Andres)  
 Flying "M" Unit  
 Tract 31 #1



Flying to Green (Wooded)  
 Flying to Lake  
 Track 31 #1

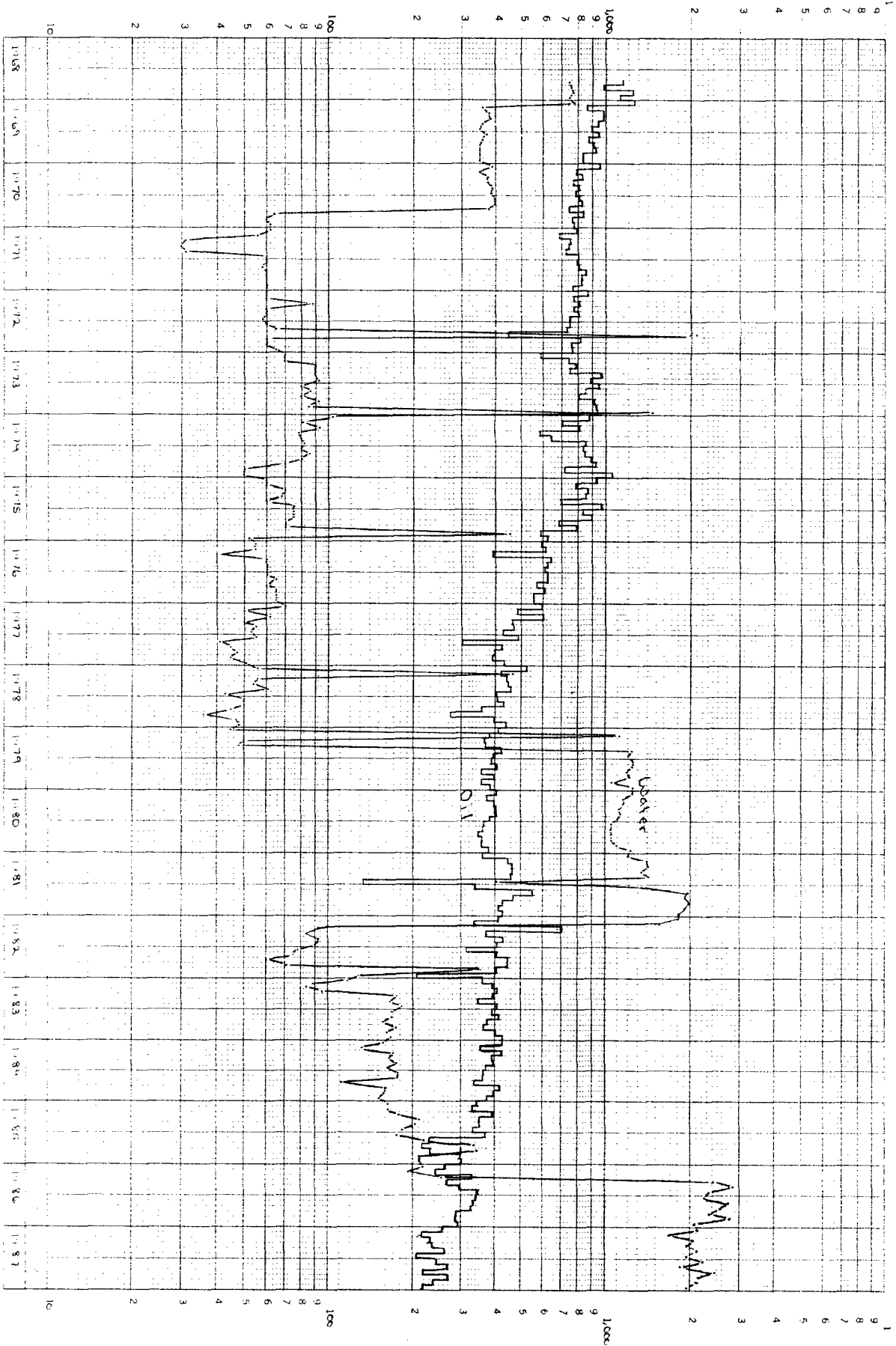


Flying "M" (San Andres)  
 Flying "M" Unit  
 Tract 32 #1



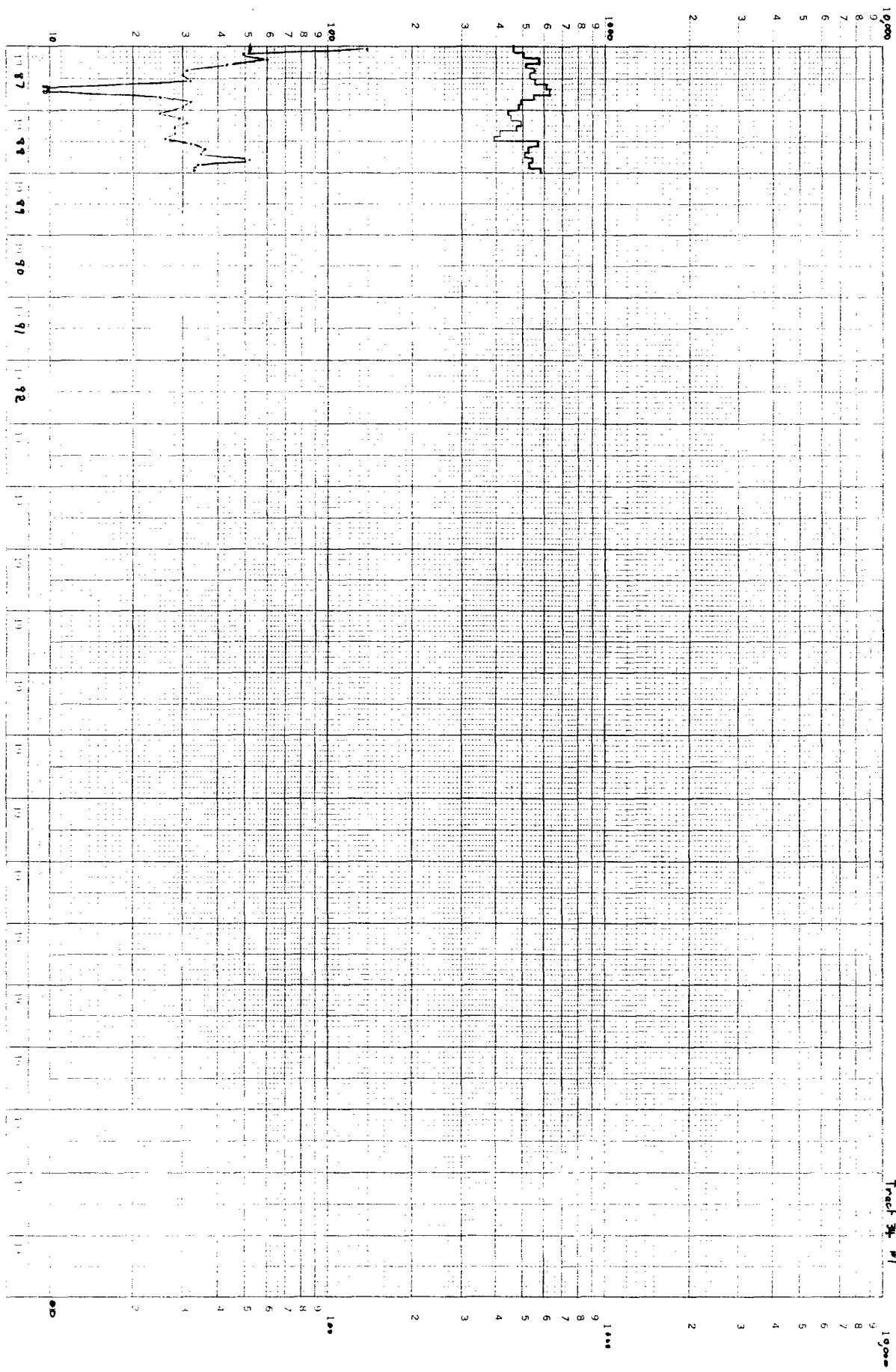


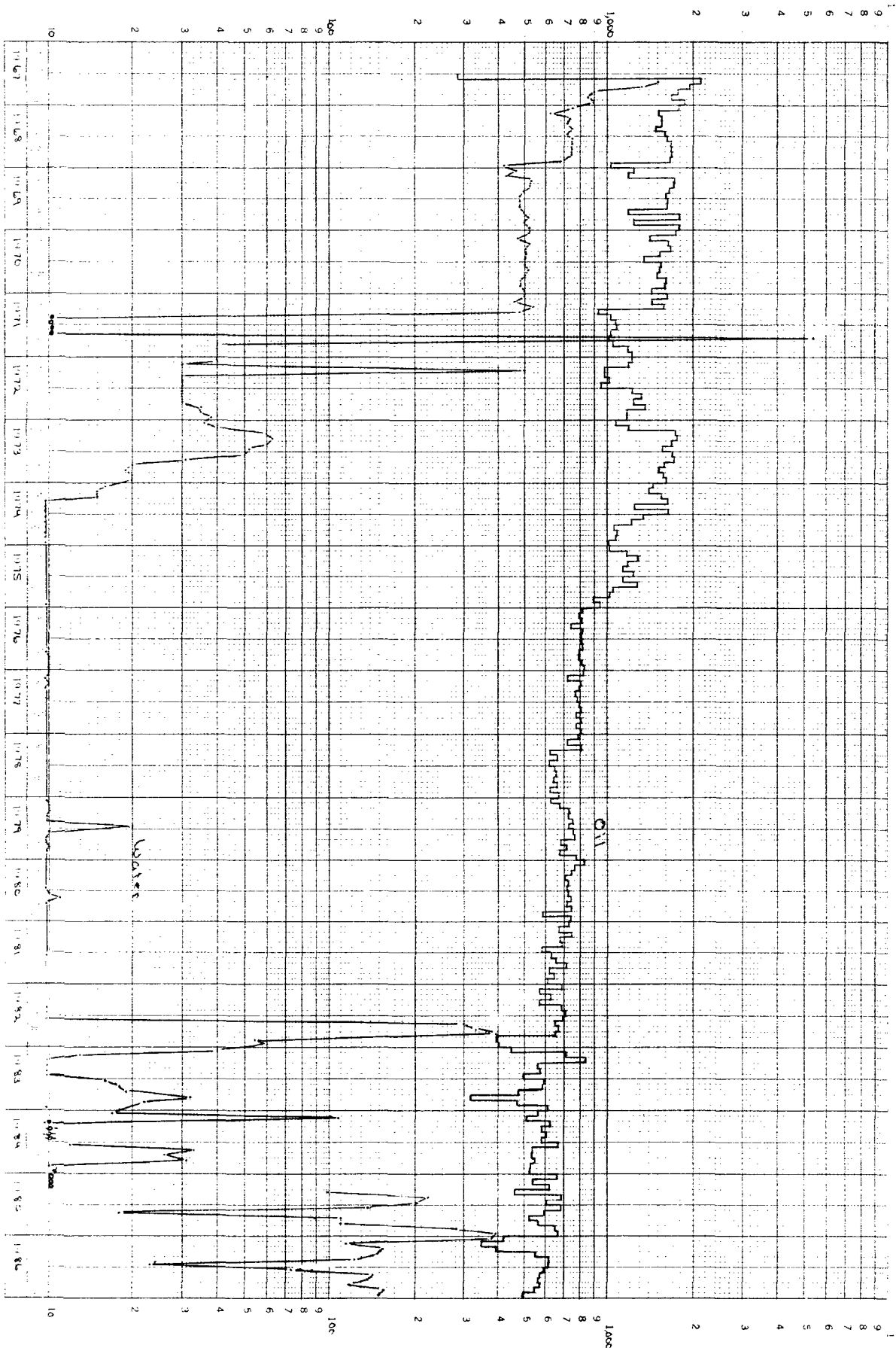
Flying M (Seem/Anderson)  
 Flying M Unit  
 Tract 32 #1



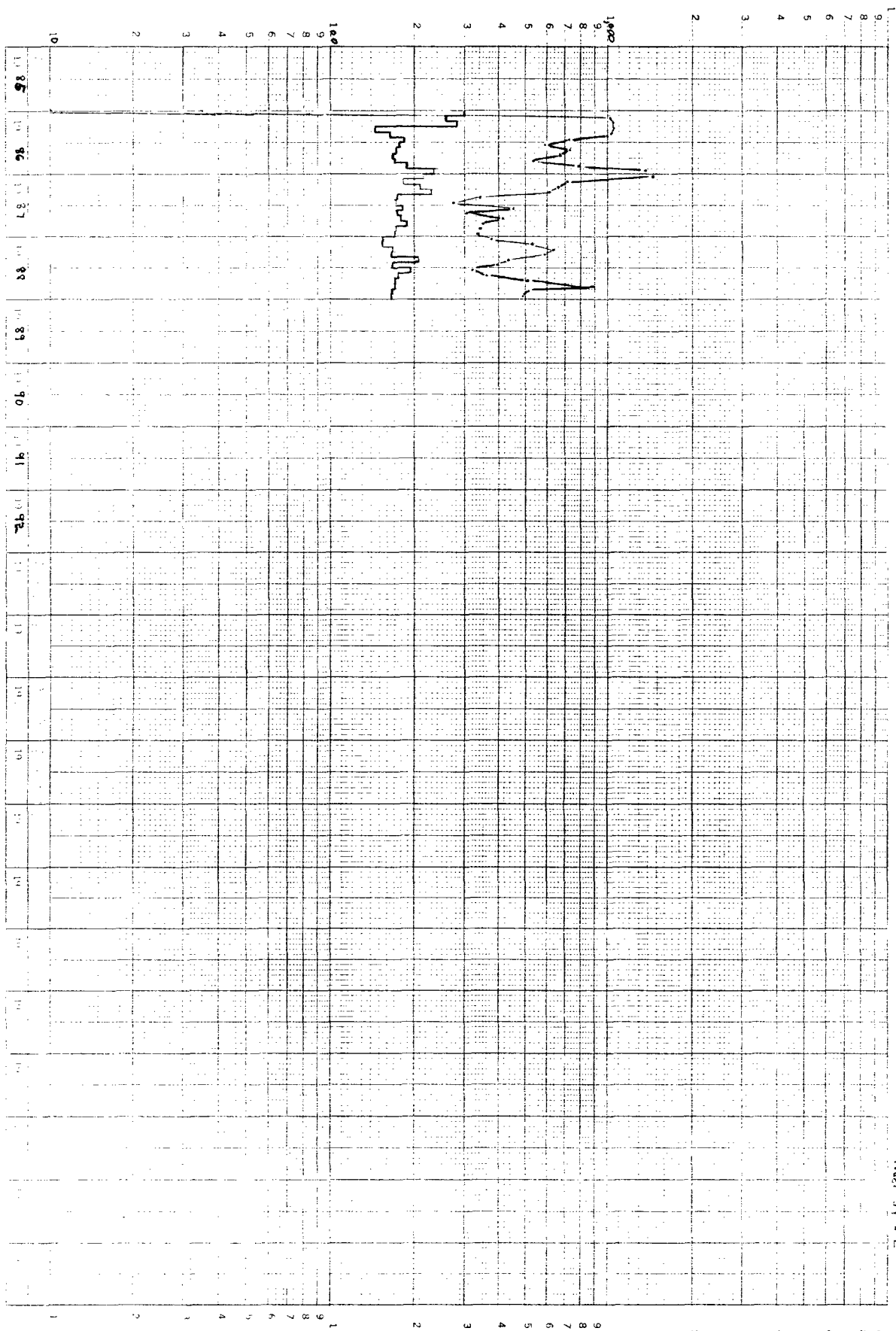


Flying "M" (San Andres)  
Flying M Unit  
Track #1 #1

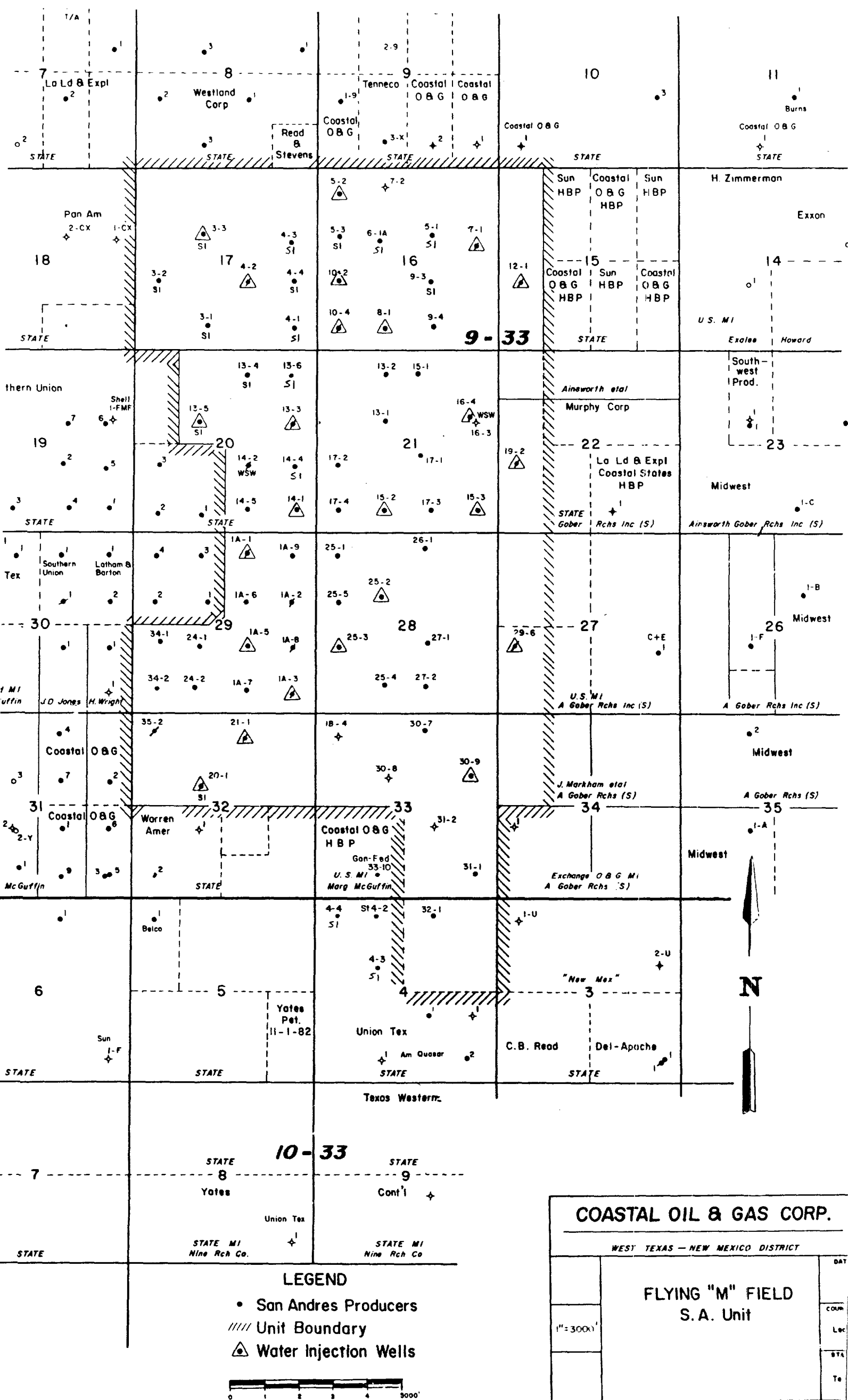




Flying M (San Andres)  
 Flying M Limit  
 Ticks 34 81



Flying M. (in Audio.)  
 Flying M. U. +  
 Total 34 \* 2



State of New Mexico

3554



W.R. HUMPHRIES  
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-732

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

Coastal Oil & Gas Corp.,  
ATTN: Mr. Bobby L. Smith  
P. O. Box 235  
Midland, Texas 79702-0235

Re: 1988 Plan of Development  
Flying M (SA) Unit  
Lea County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encls.  
cc: OCD  
BLM



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

March 7, 1988

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Coastal Oil and Gas  
P. O. Box 235  
Midland, Texas 79702-0235

Attention: Bobby L. Smith

Re: 1988 Plan of Operations  
Flying "M" (SA) Unit  
Lea County, New Mexico

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



SLO REF. NO. OG-394

## Commissioner of Public Lands

September 2, 1987

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

Coastal Oil & Gas Corp.  
Attention: Bobby L. Smith  
P. O. Box 235  
Midland, Texas 79702-0235

Re: Flying M San Andres Unit  
1987 Plan of Development

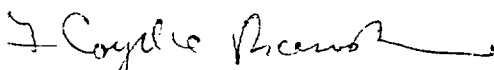
Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all appropriate agencies.

If we may be of further help, please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil & Gas Division  
(505) 827-5744

WRH/FOP/ams  
enclosure  
cc: Bureau of Land Management  
Oil Conservation Division



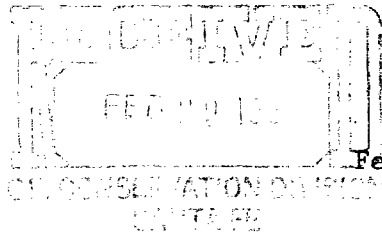


# Coastal Oil & Gas Corporation

a subsidiary of The Coastal Corporation

Dinero Plaza  
1004 North Big Spring St.  
P. O. Box 235  
Midland, Texas 79702-0235

915/682-7925



February 25, 1988

State of New Mexico  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: 1988 Plan of Operations  
Flying "M" (SA) Unit  
Lea County, New Mexico

Dear Sirs:

Please find attached the 1988 Plan of Operations for the Coastal operated Flying "M" (SA) Unit in Lea County, New Mexico. This Plan of Operations consist of an updated unit map which shows existing wells and their status and individual well production curves. All unit wells are completed in the San Andres A, B and/or C zones.

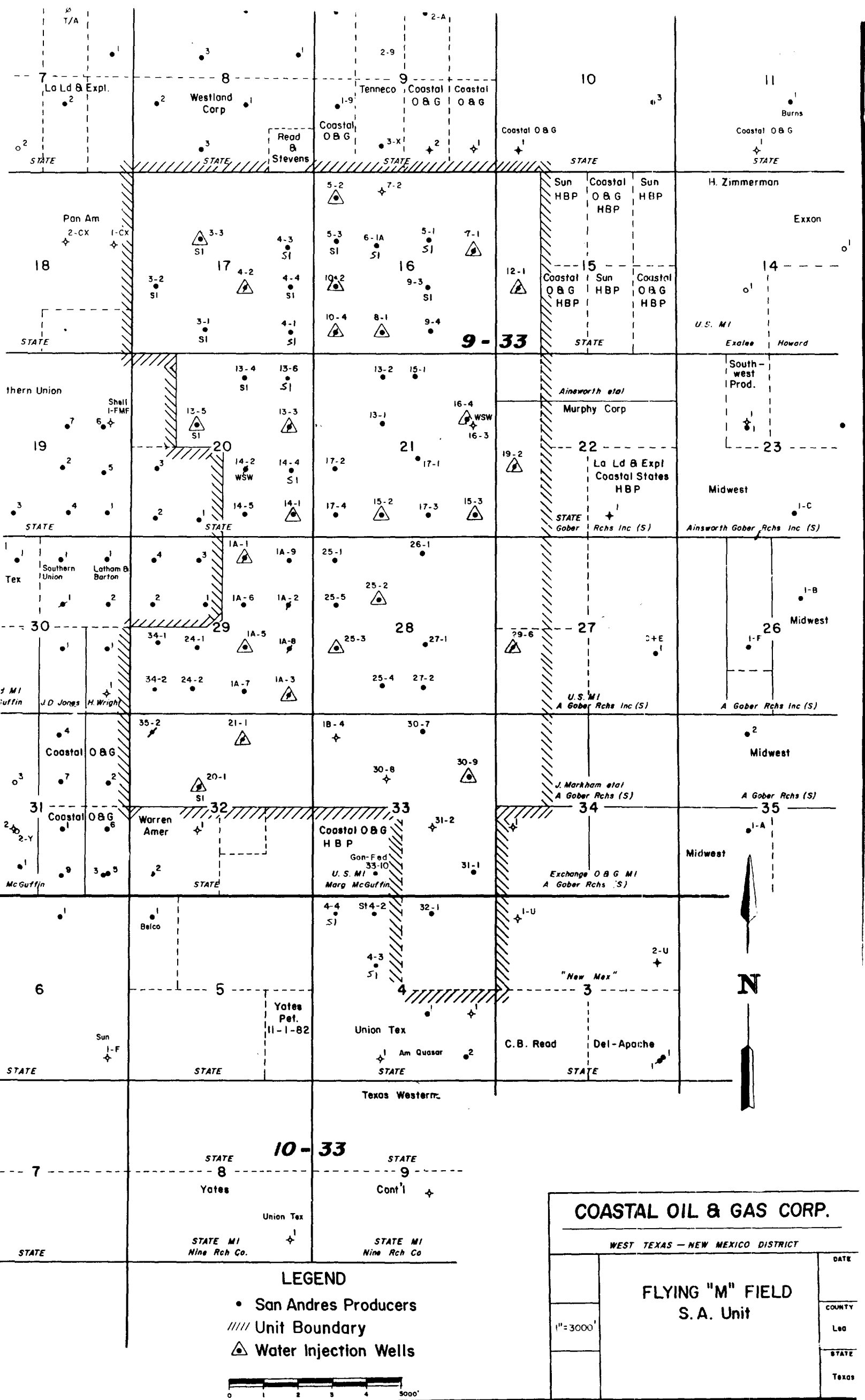
We have no proposed drilling activity for the unit for 1988, however, we do expect to have some workover activity this year. This will be mainly restimulation attempts which will be relatively inexpensive.

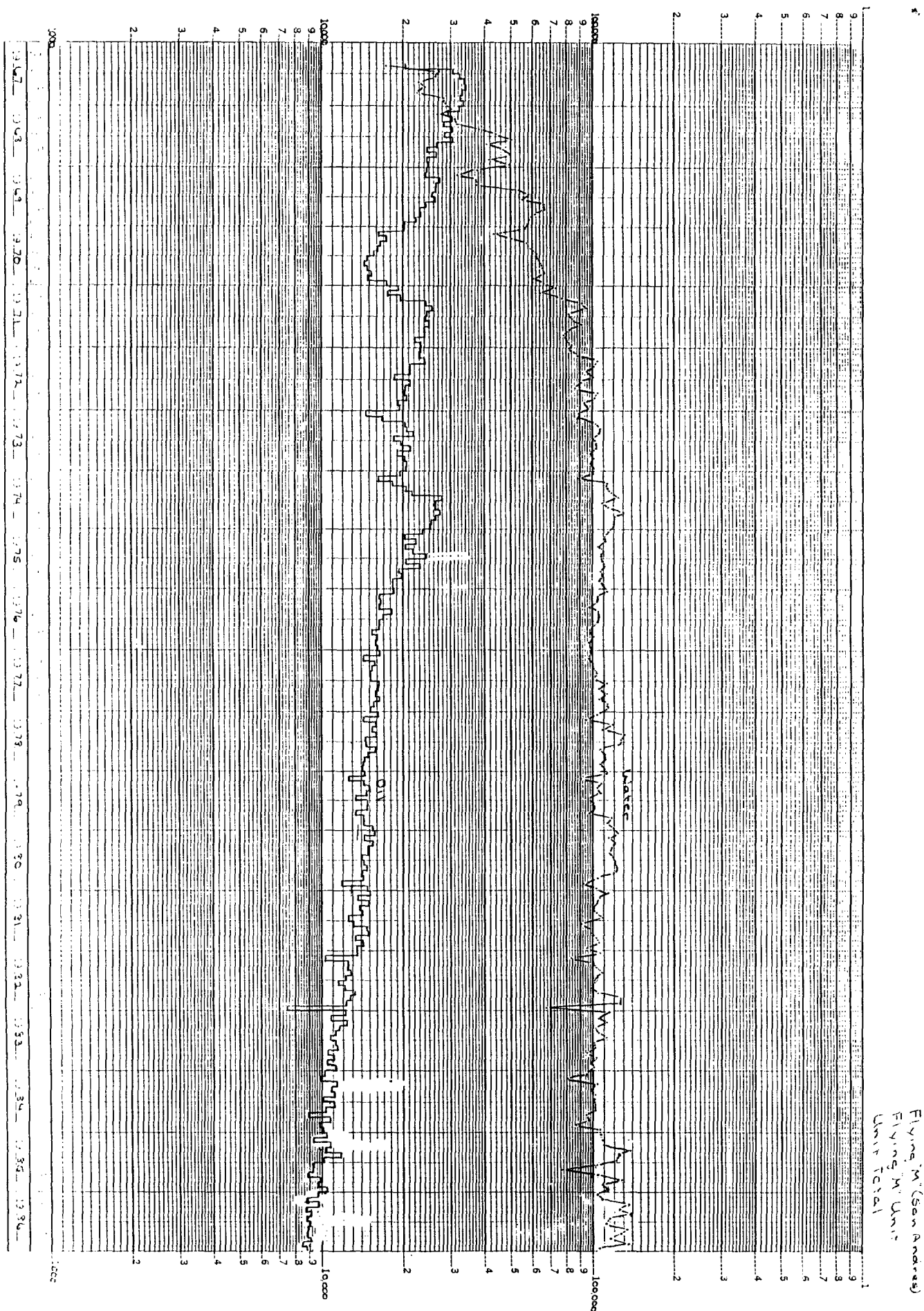
Should you have any questions concerning this matter, please advise.

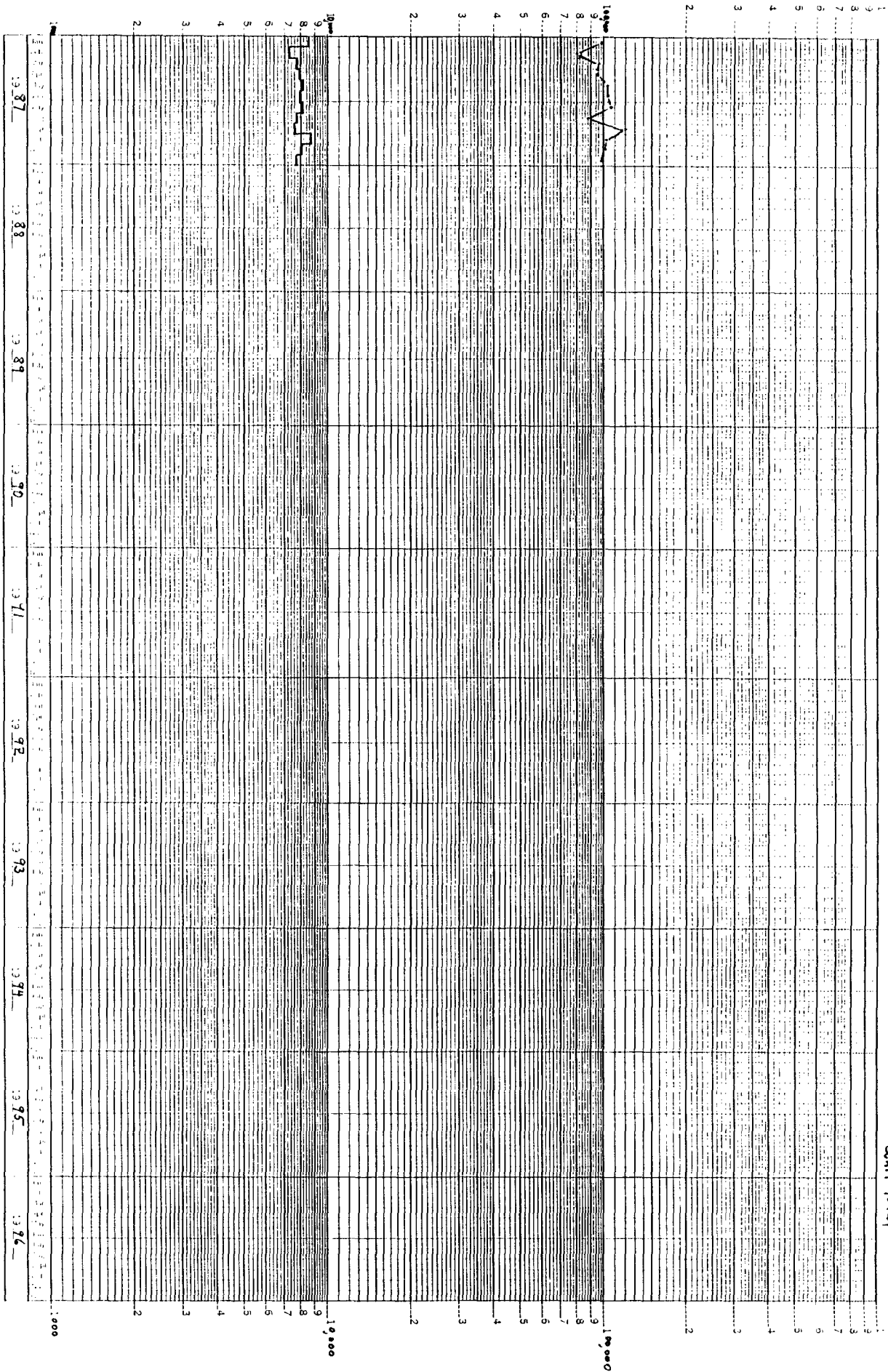
Sincerely,

*Bobby L. Smith*  
Bobby L. Smith  
Petroleum Engineer

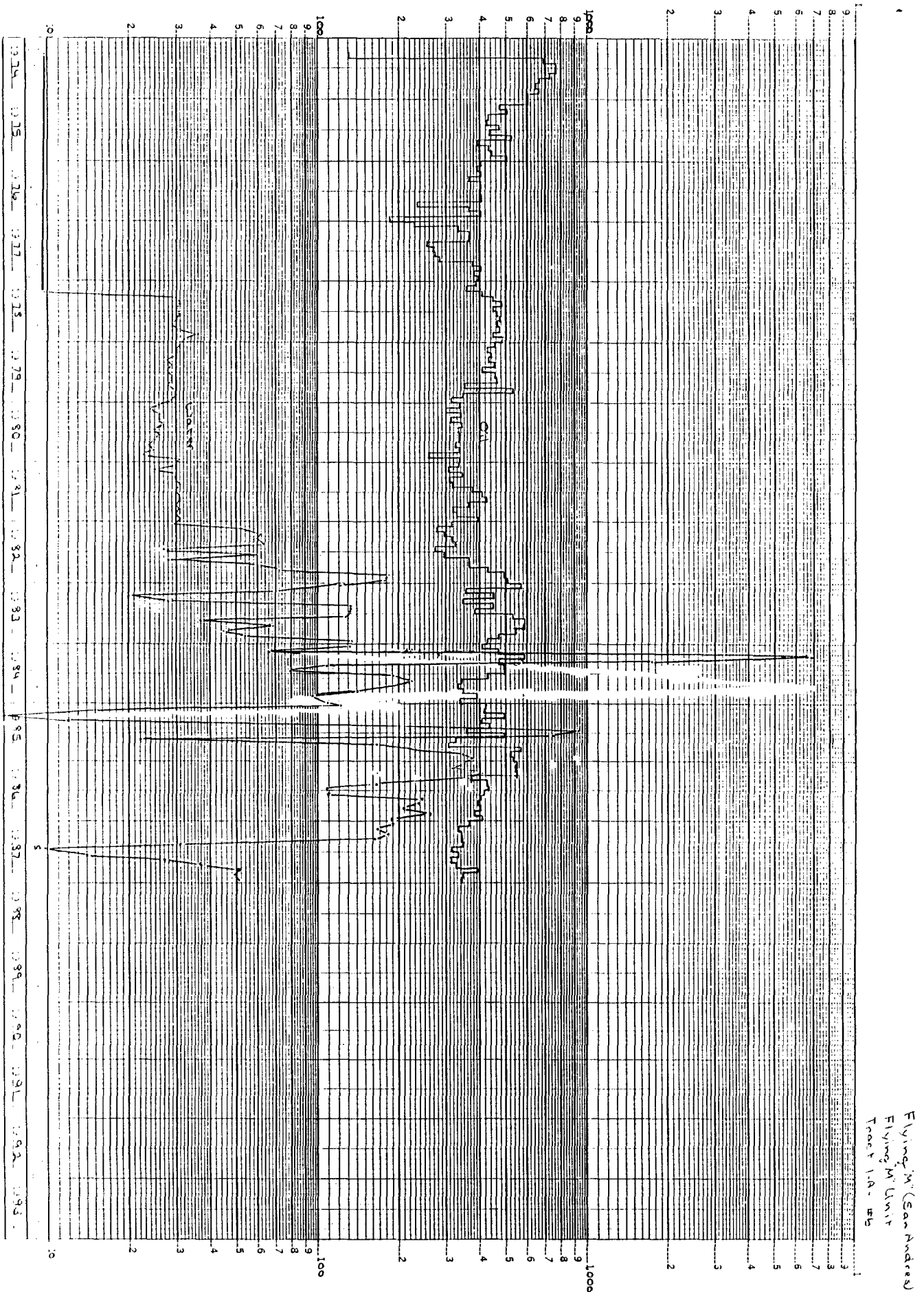
BLS/sc

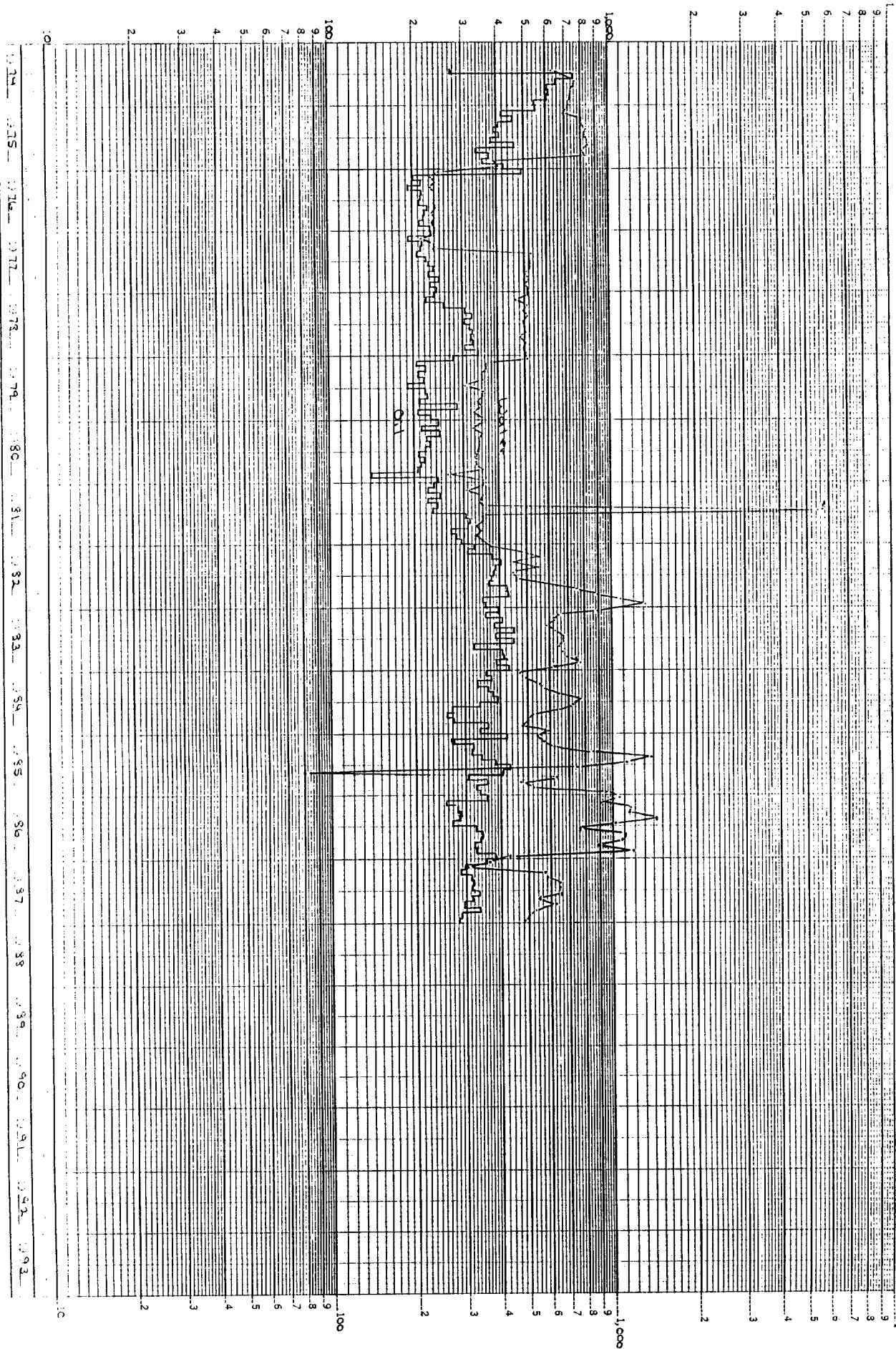




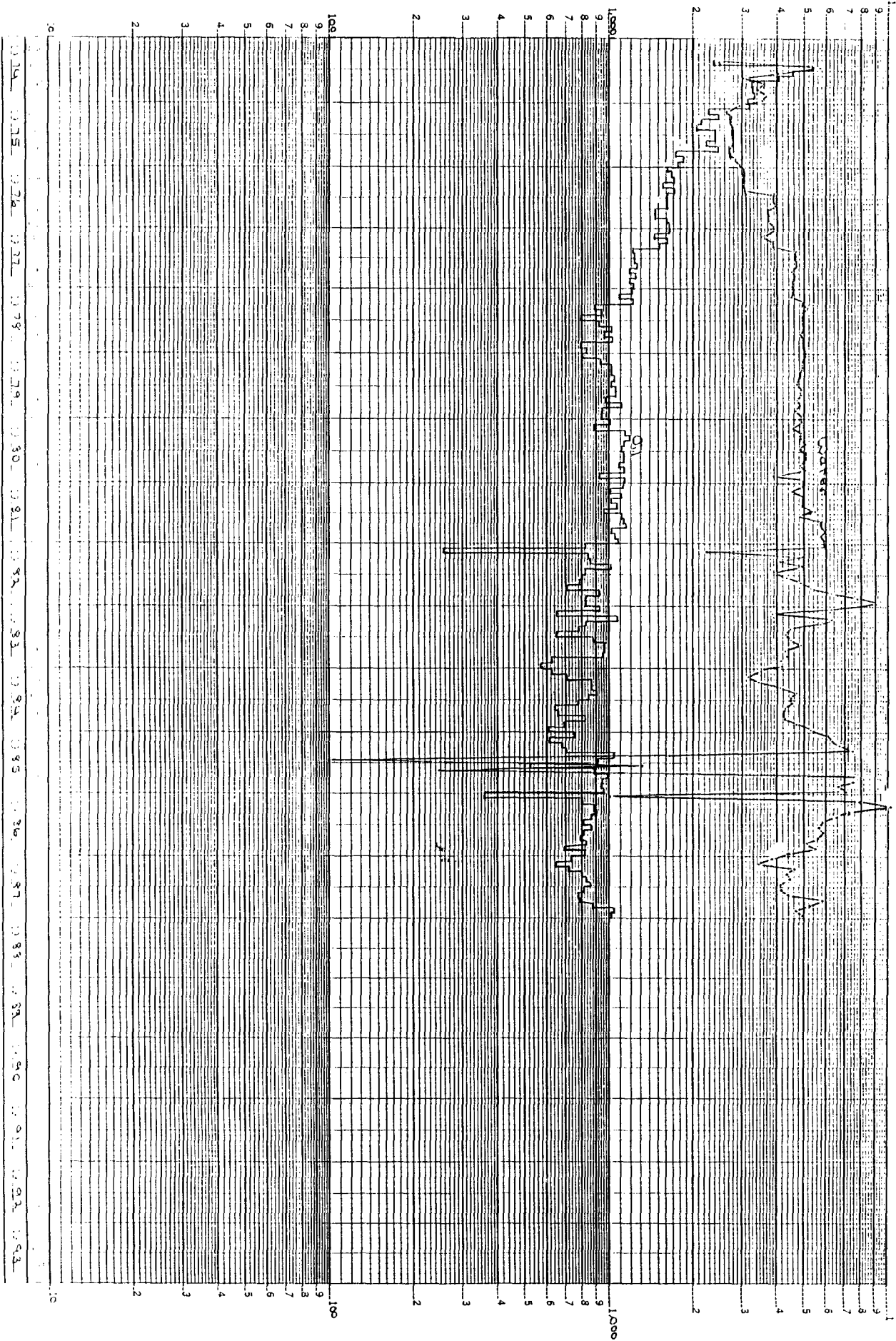


Flying "M" (San Antonio)  
Flying "M" Unit  
Unit Total



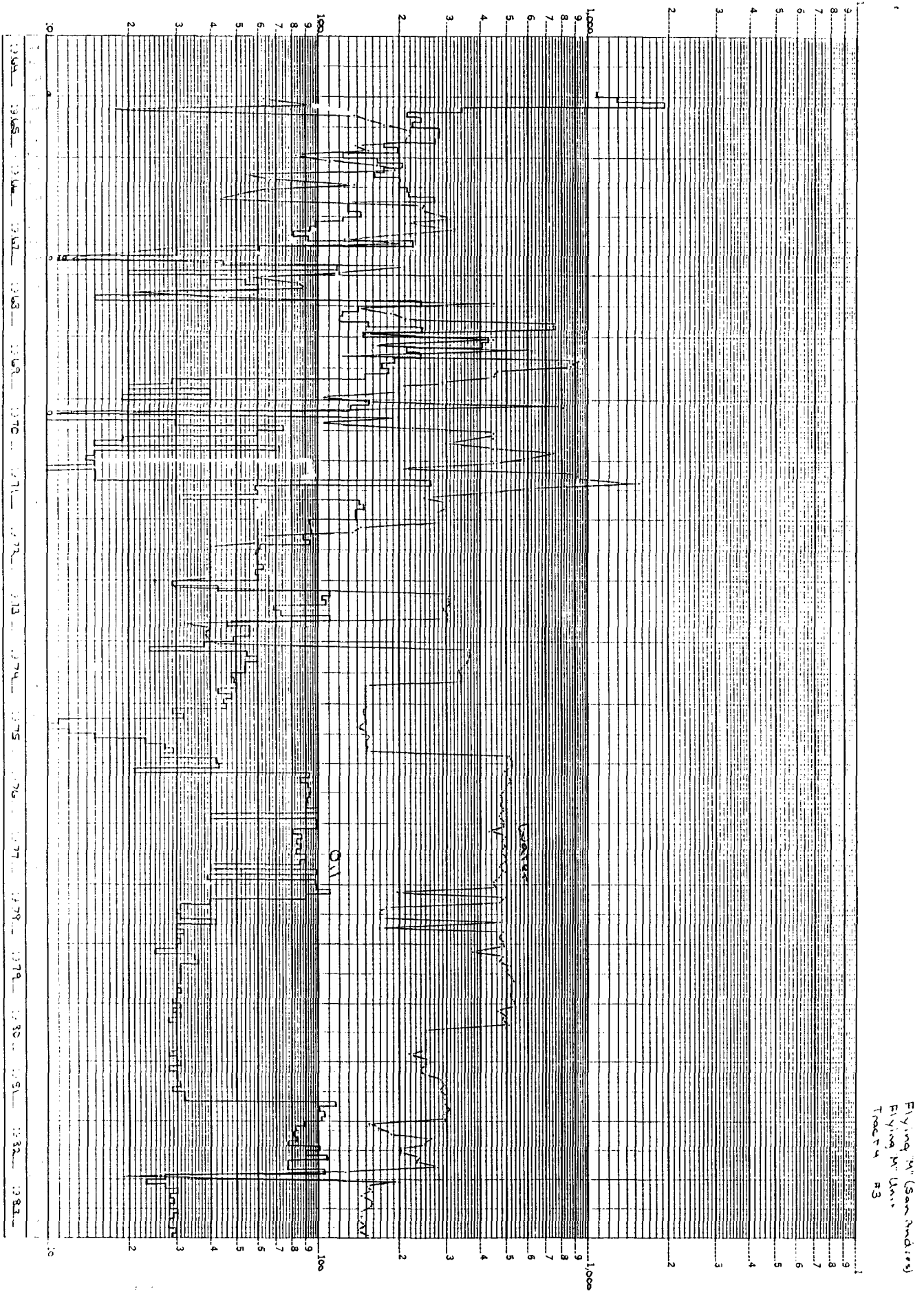


Flying "M" (San Anasos)  
Flying "M" Unit  
Trace 1A - #7



Flying W (San Anares)  
Flying W Unit  
Track 1A-49

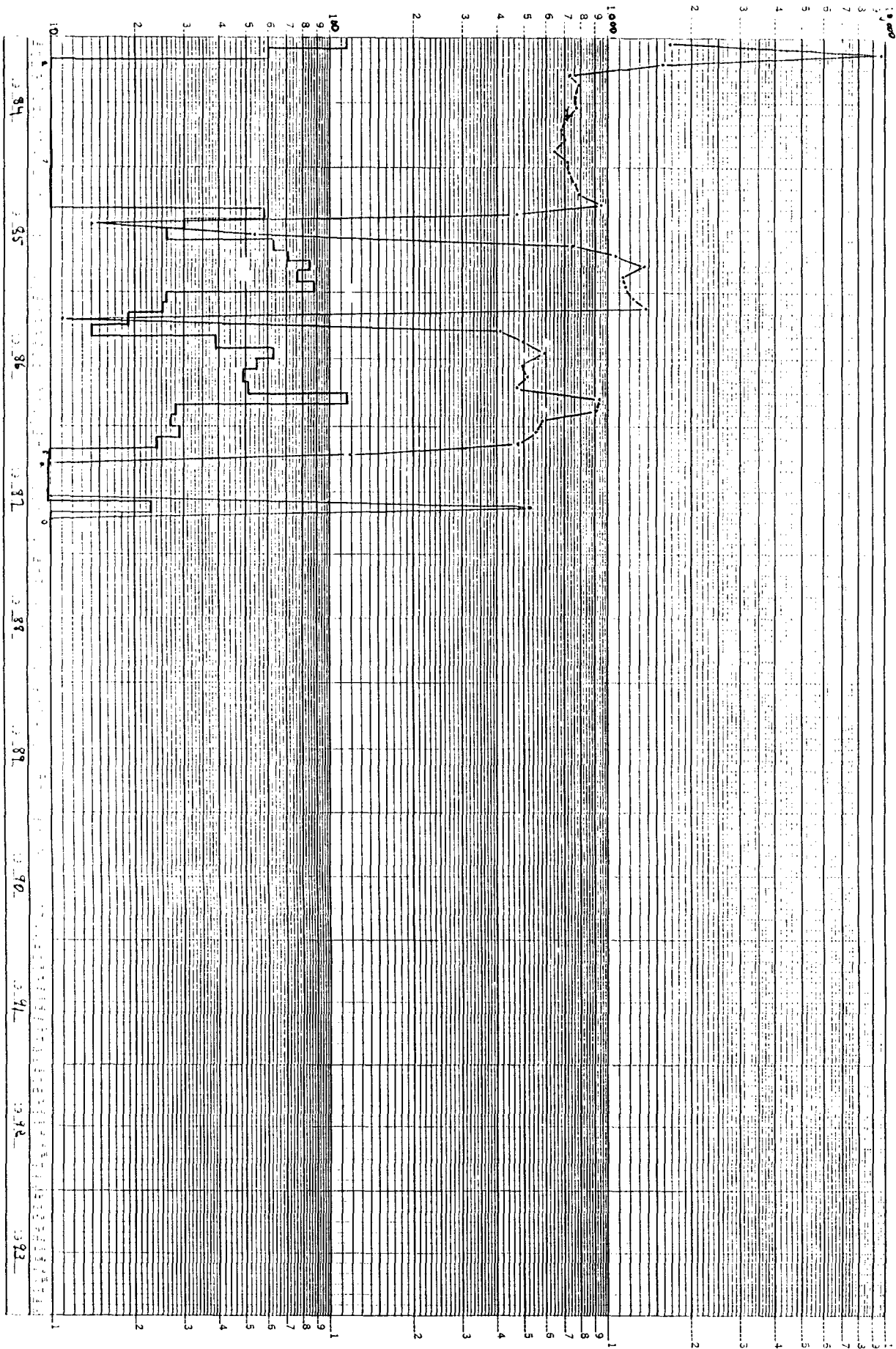




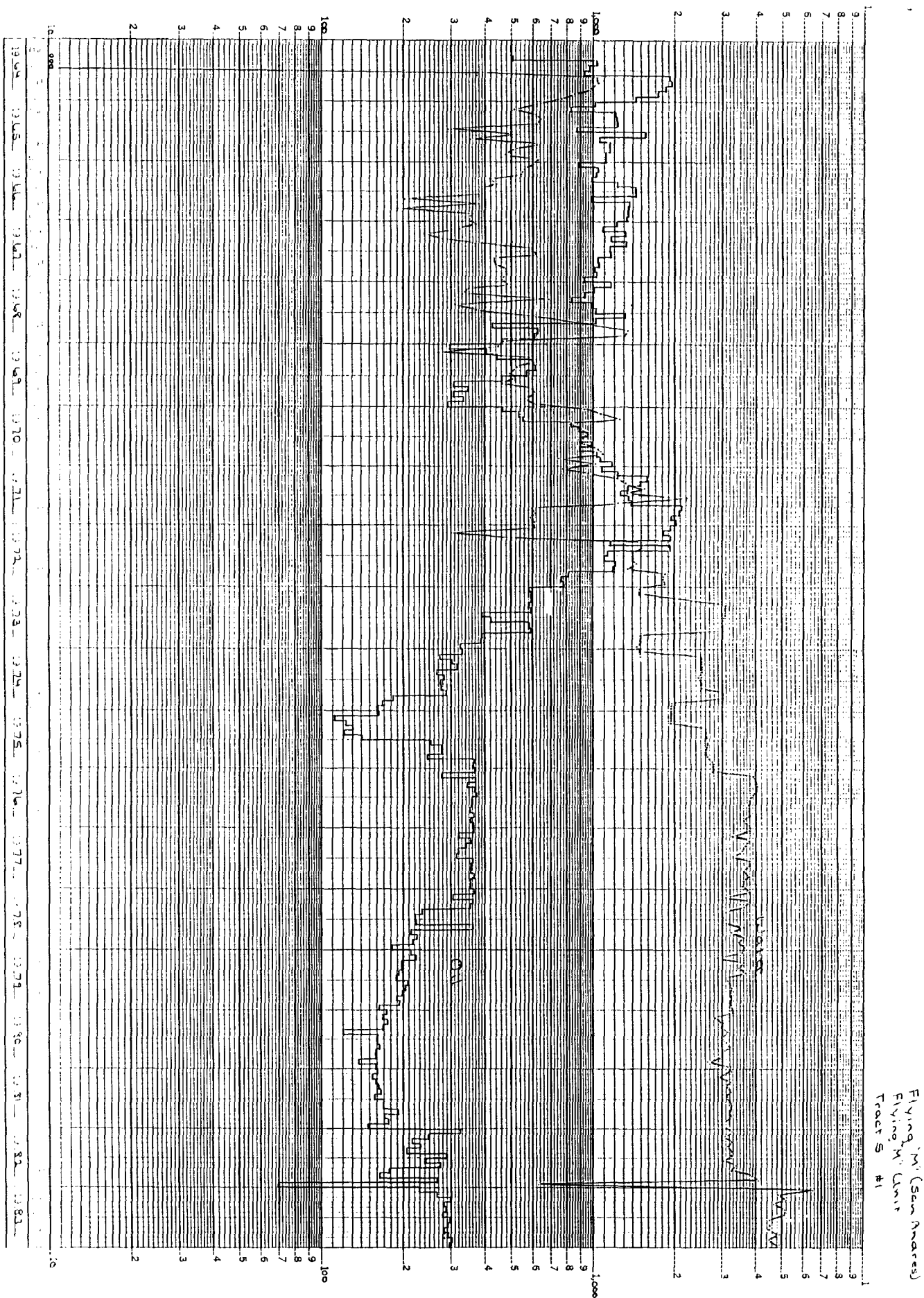


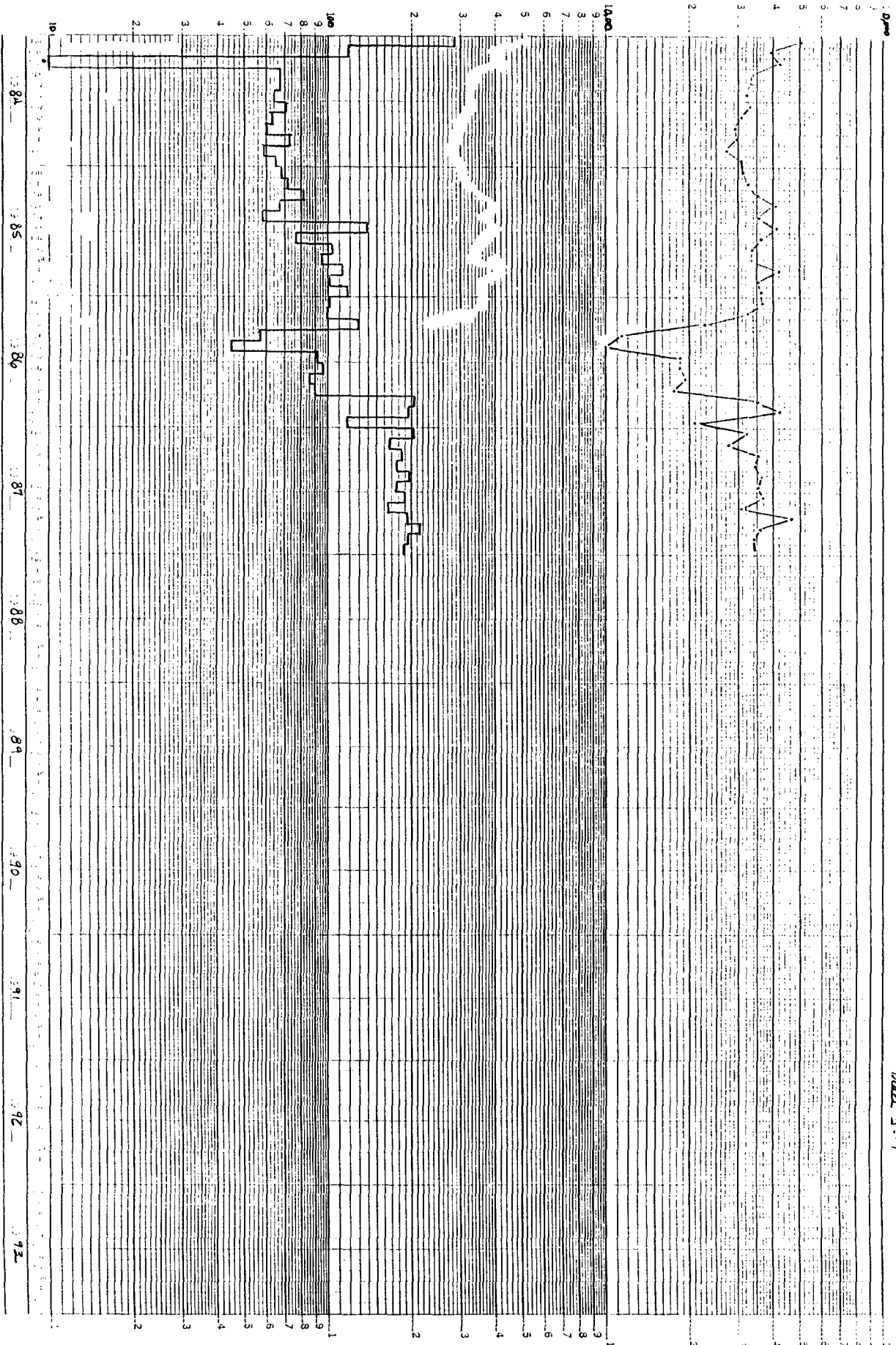


FLYING "M" (SMA Aircraft)  
FLYING "M" (SMA Aircraft)  
TRAIL 4 - 43

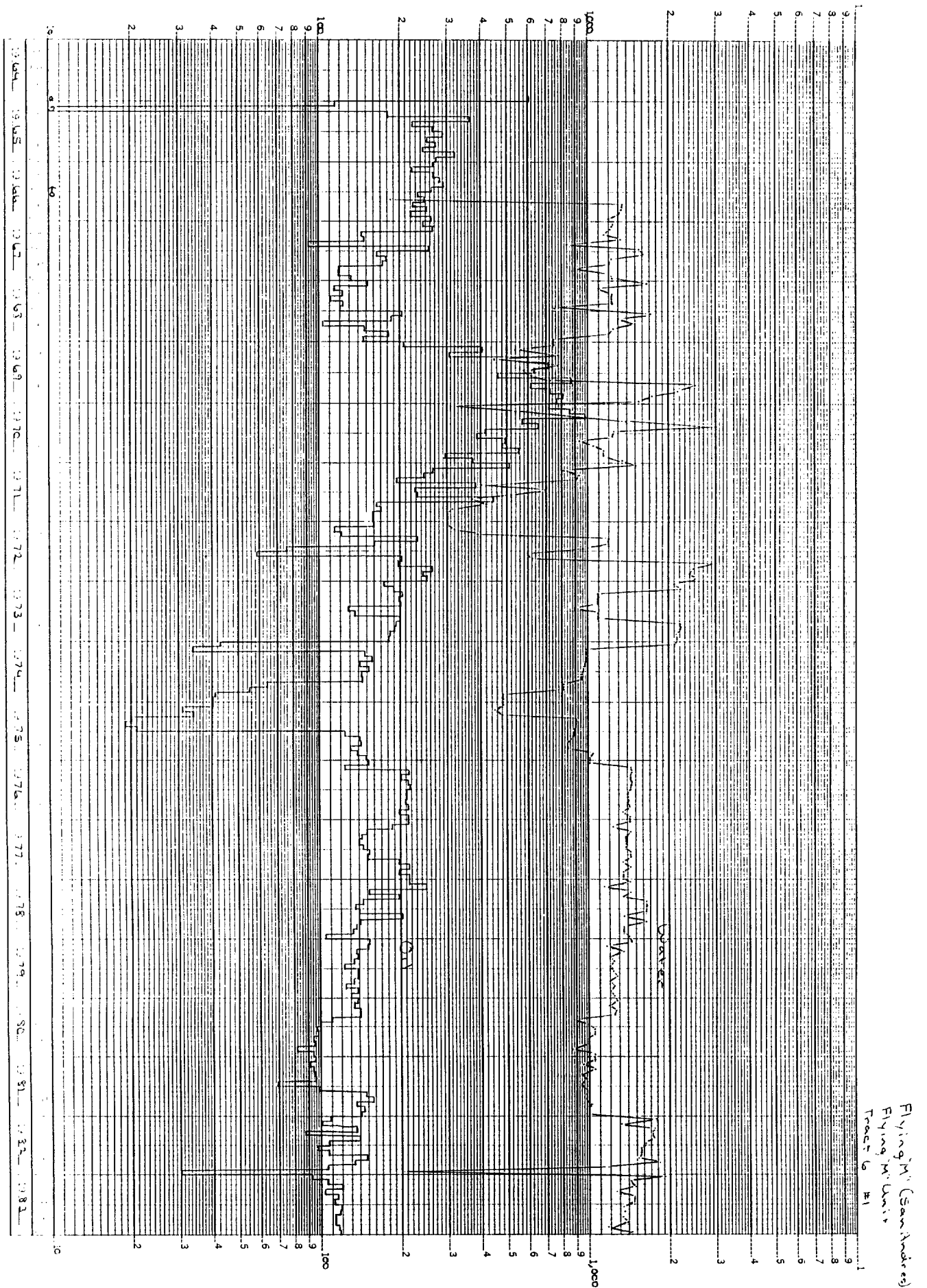


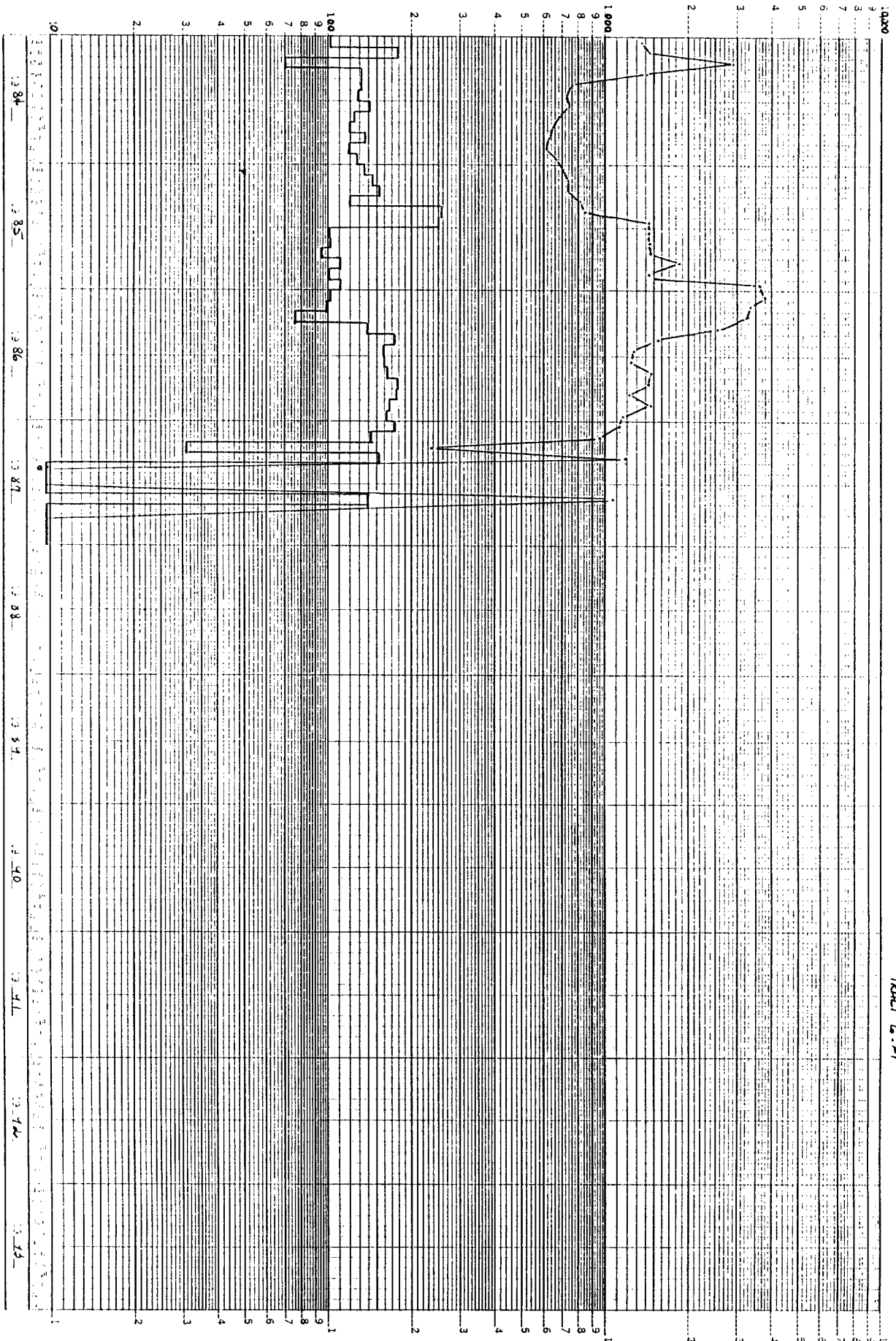
FLYING "M" (SAW Ants)  
FLYING "M" UNIT  
TRACT 4-#1





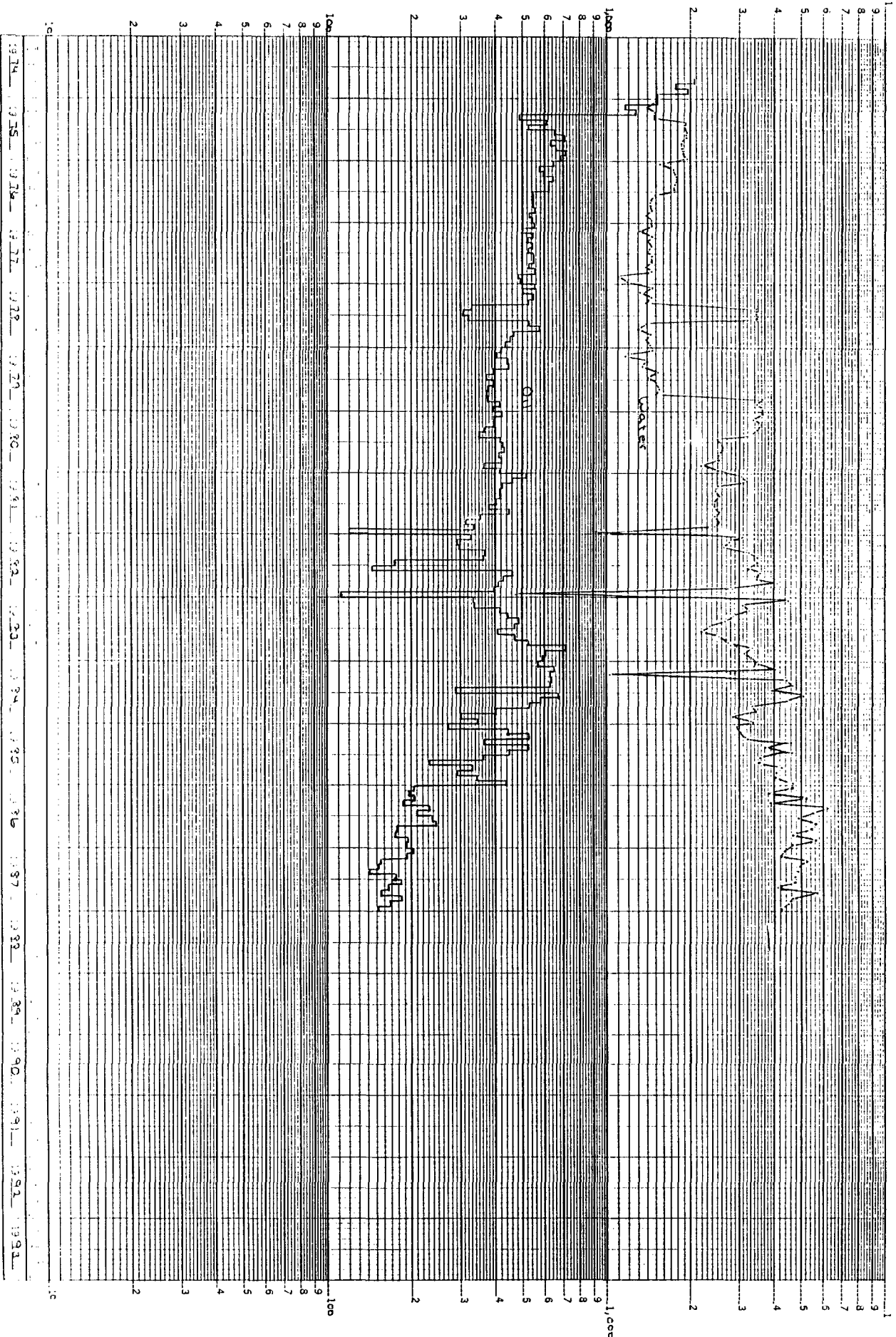
Flipping "N" (See Attached)  
Flipping "N" Unit  
Trace 5. #1



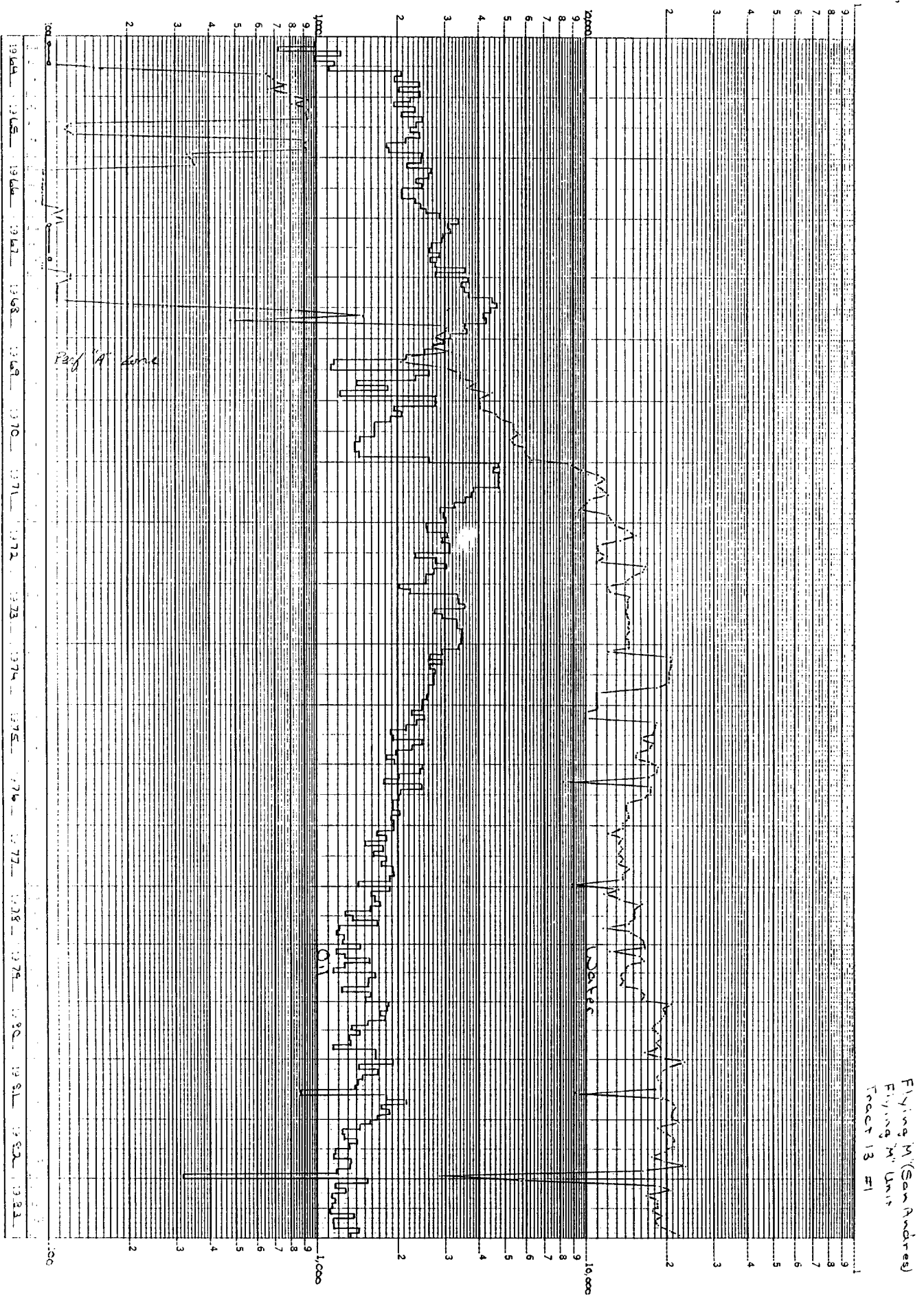


FLYING "M" (Saw Ahead)  
REVING "M" LIGHT  
TRAIL 6.41

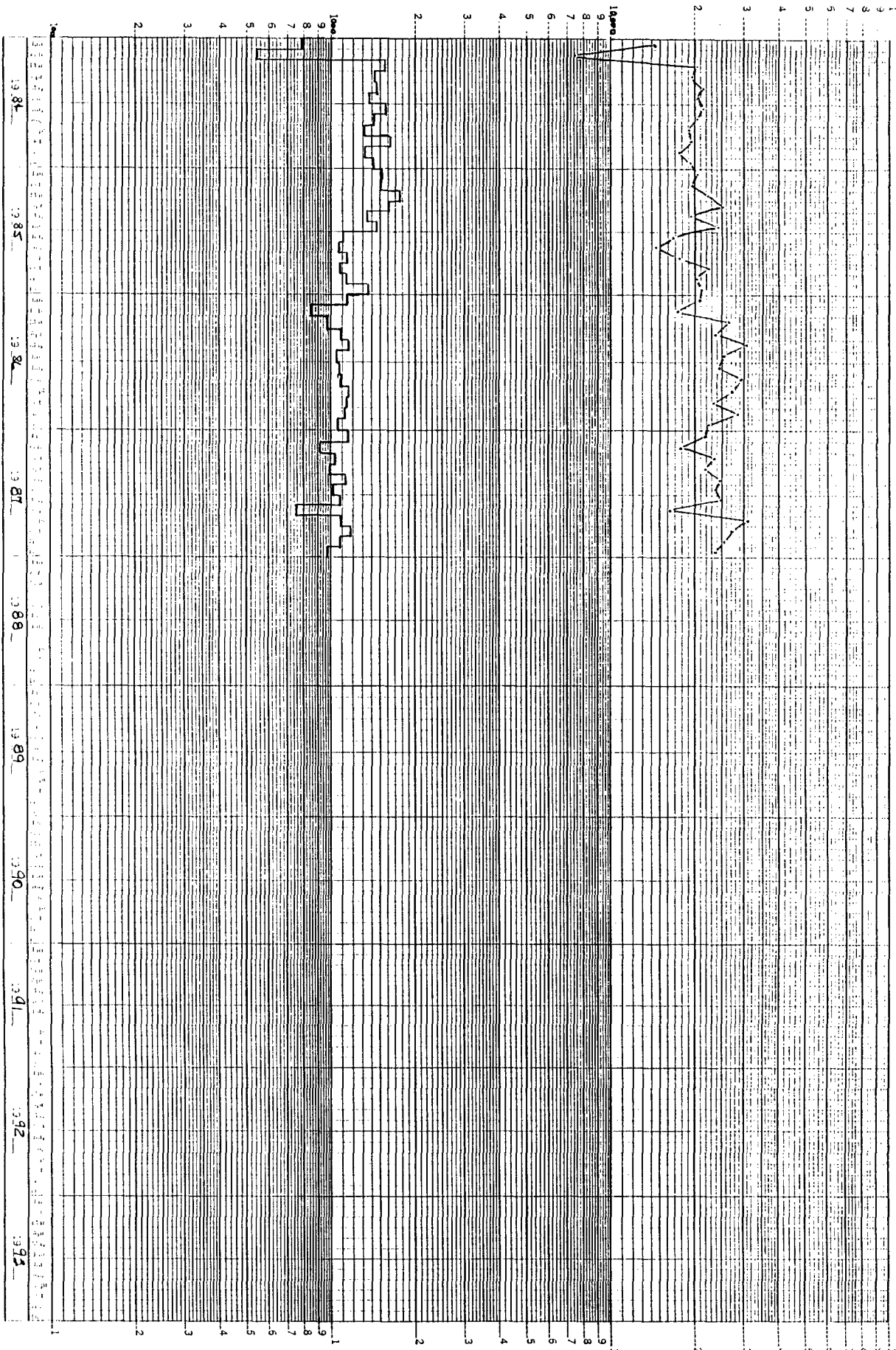




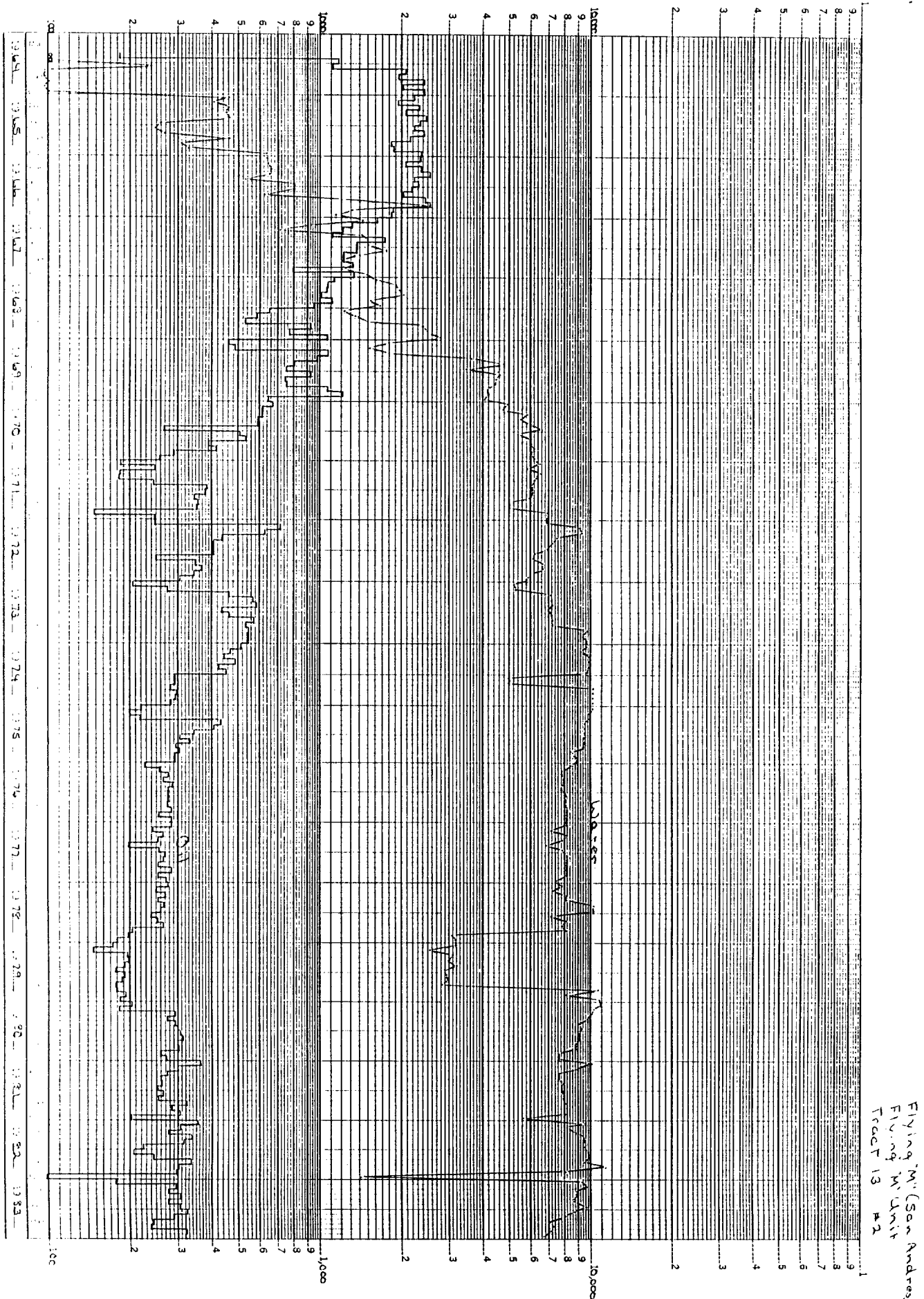
Flying M' (San Andreas)  
Flying M Unit  
Tract A #4

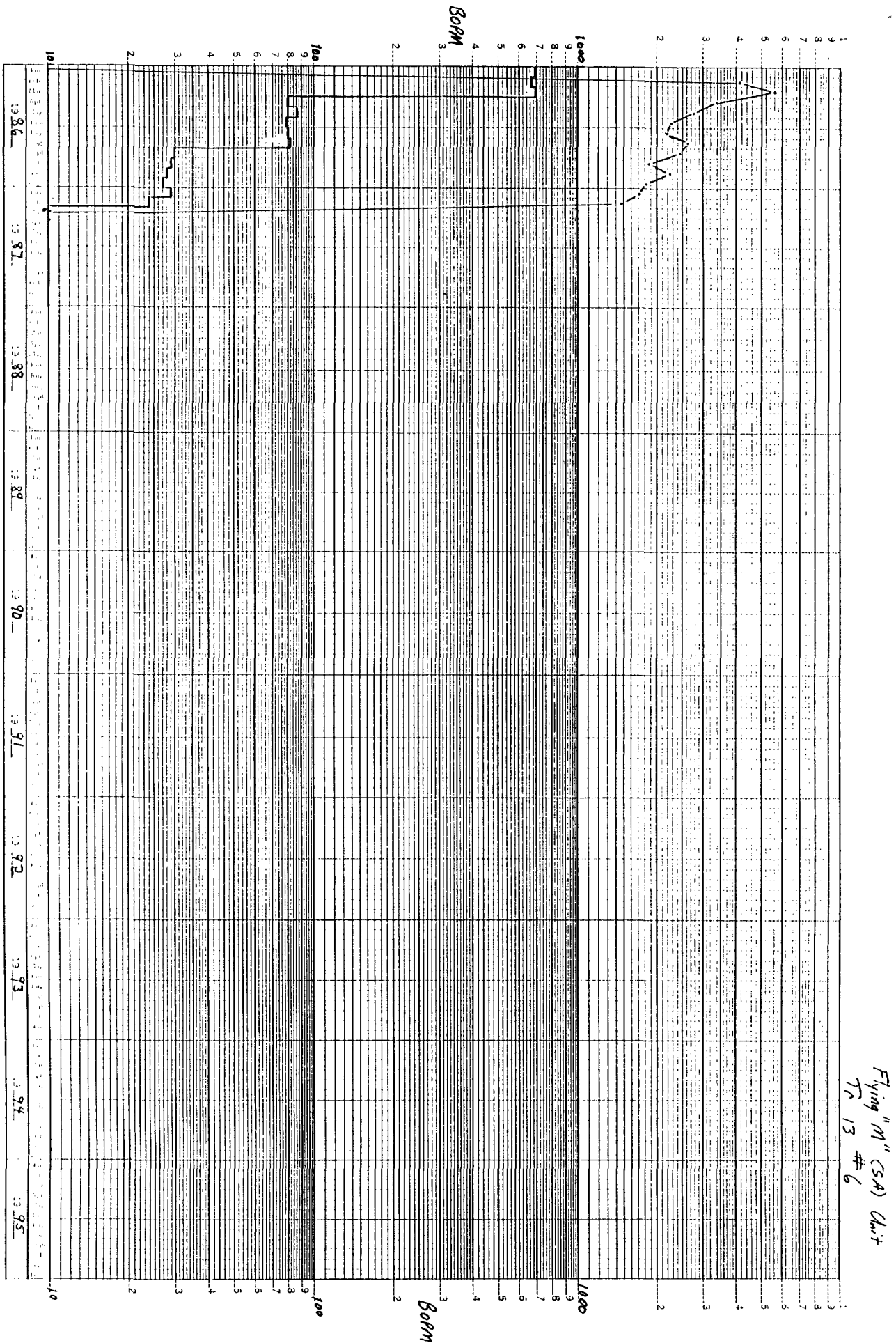


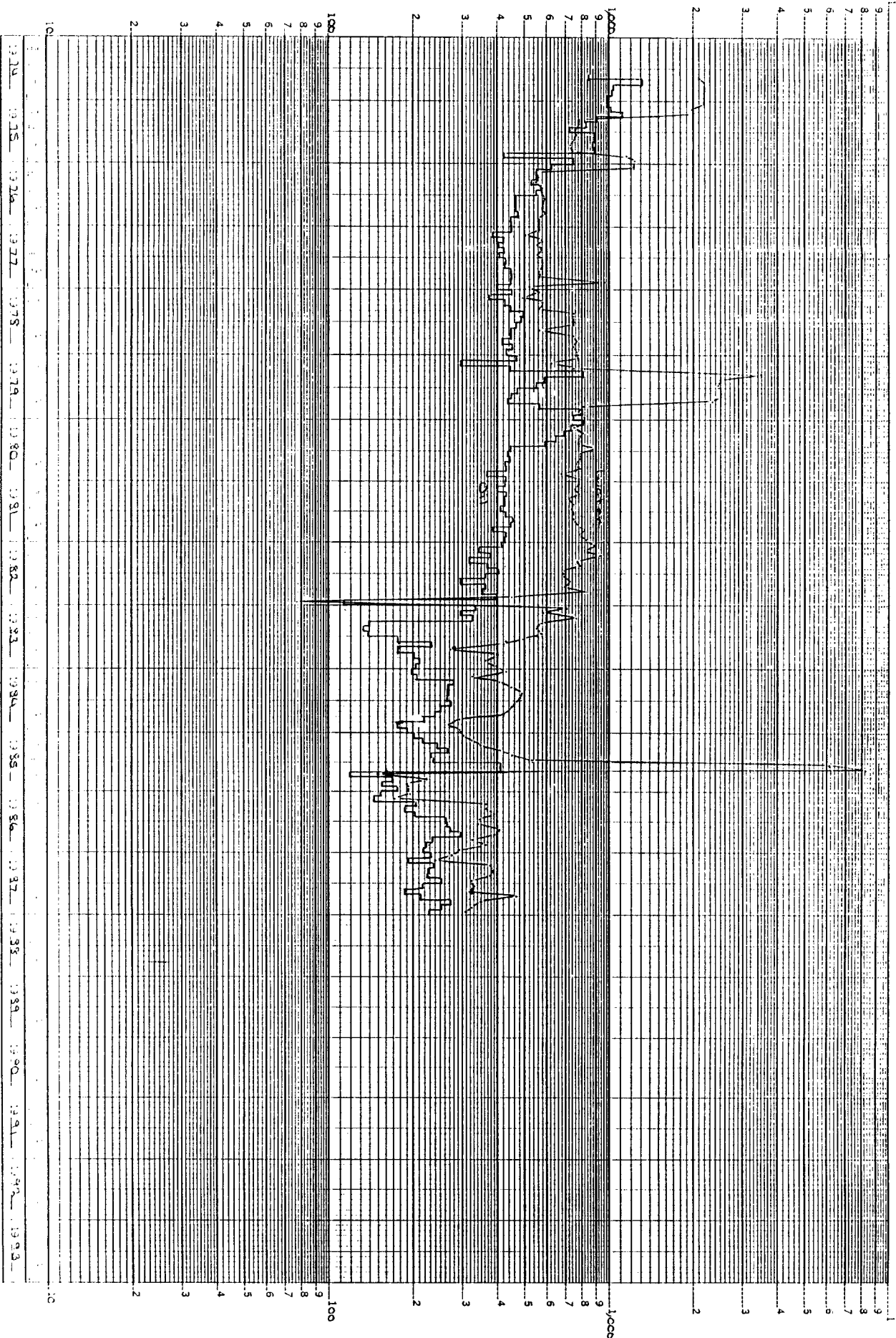




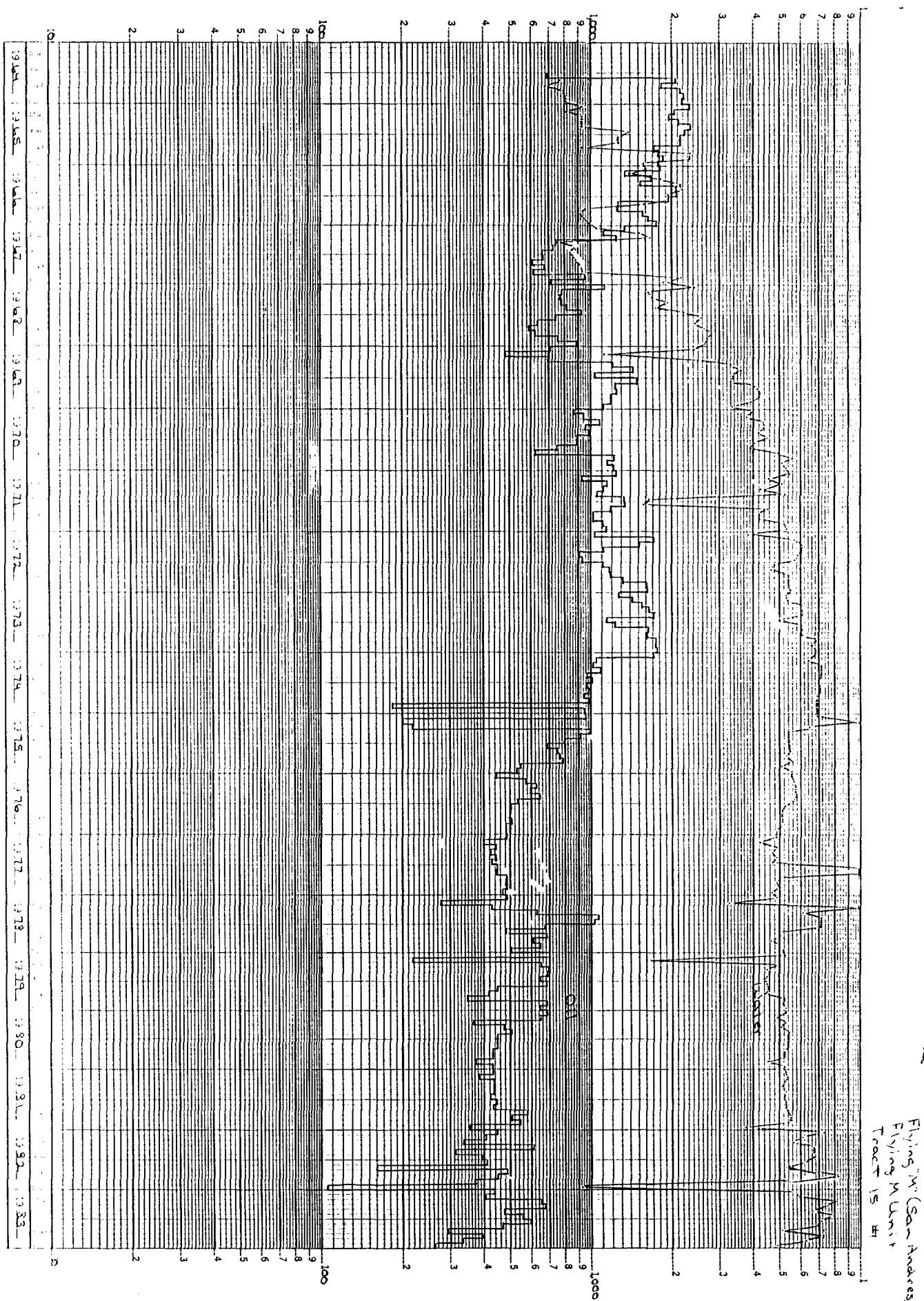
ALVIN W. (Saw Anders)  
FLYING "M" LAIR  
TRUCK 12-61

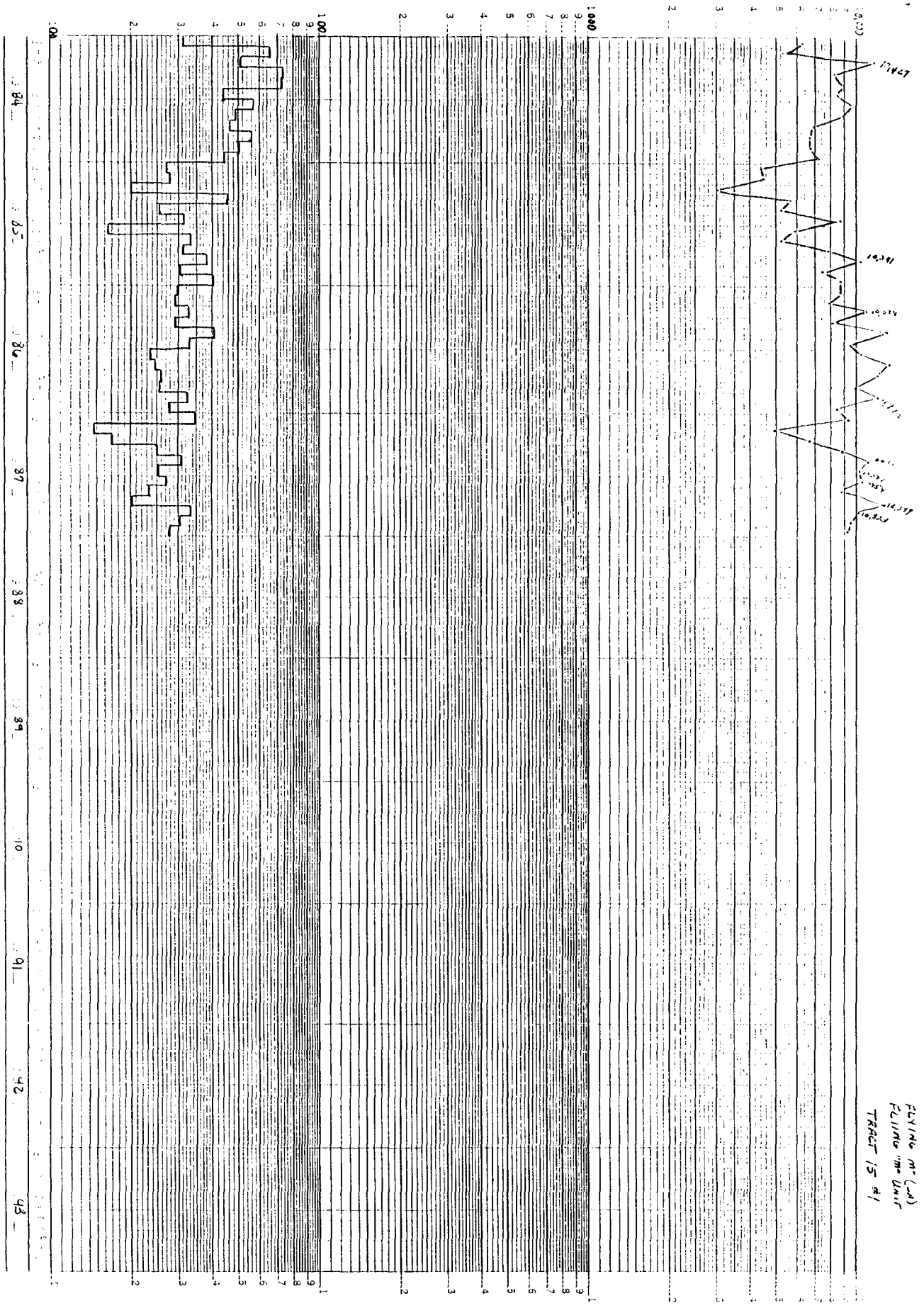




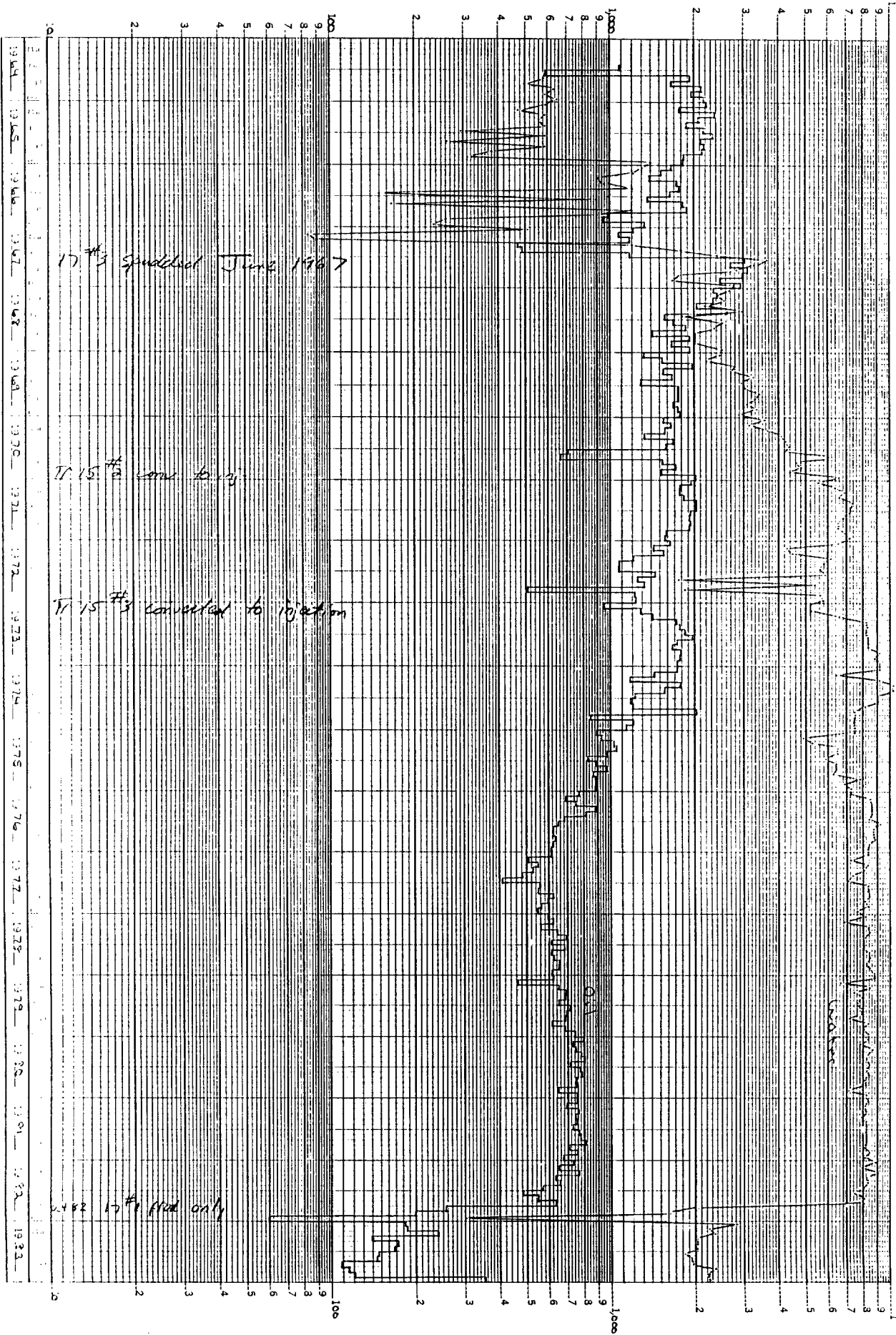


Flying M' (San Andre)  
Flying M' Unit  
Tracer 14 #5

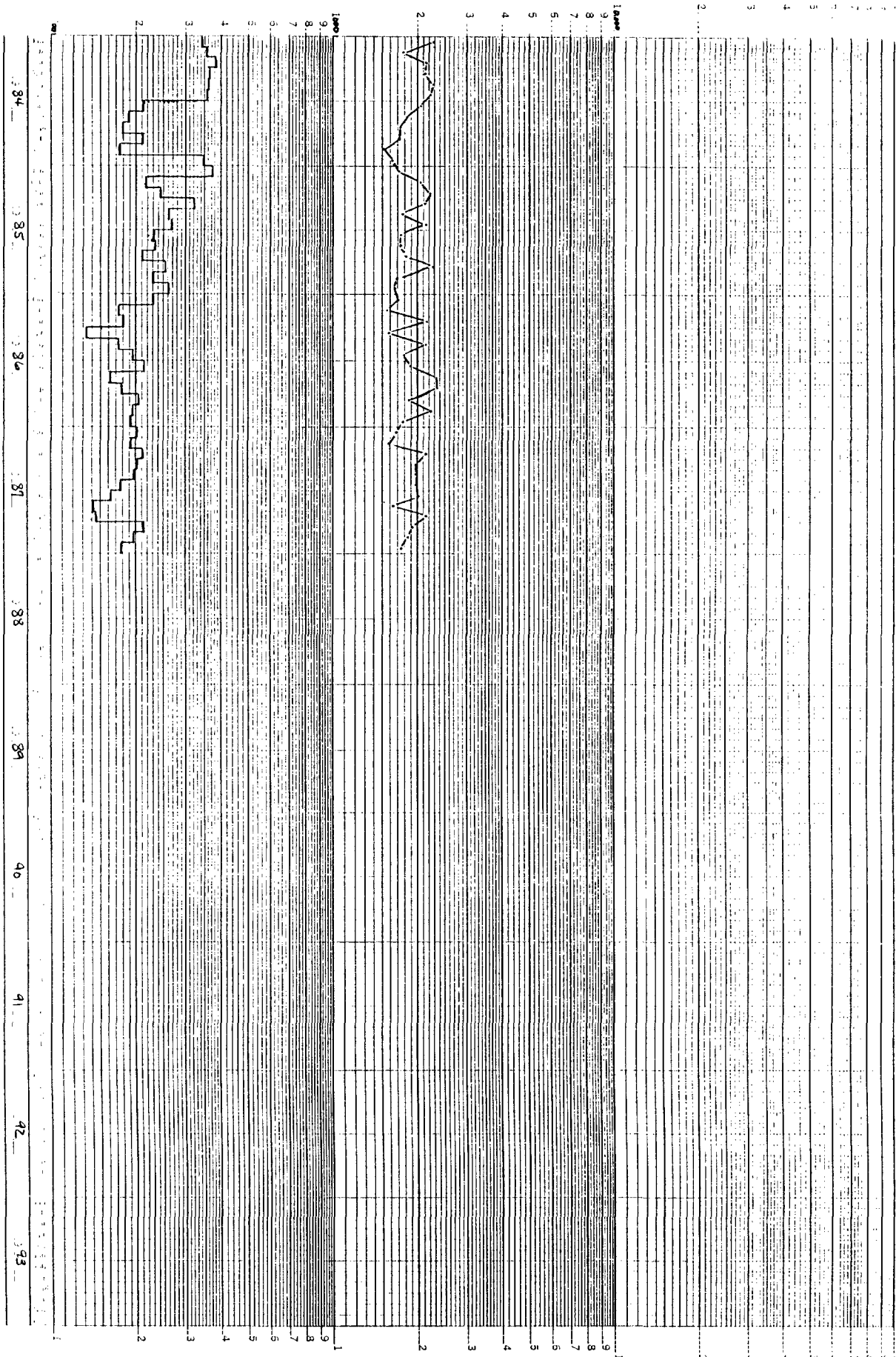






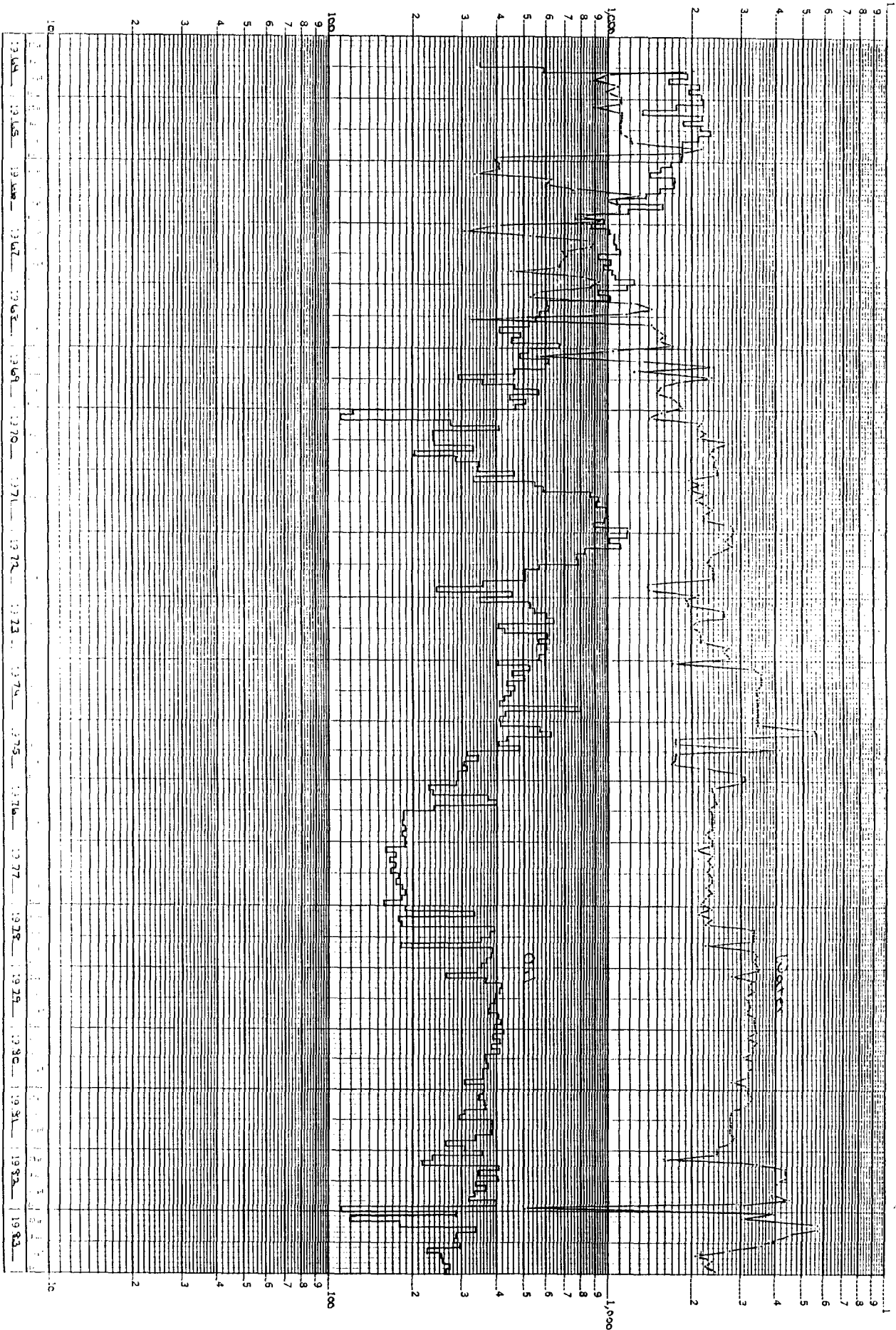


Flying "M" (See Andres)  
Flying "H" Unit  
Tract 17 #1 + #3

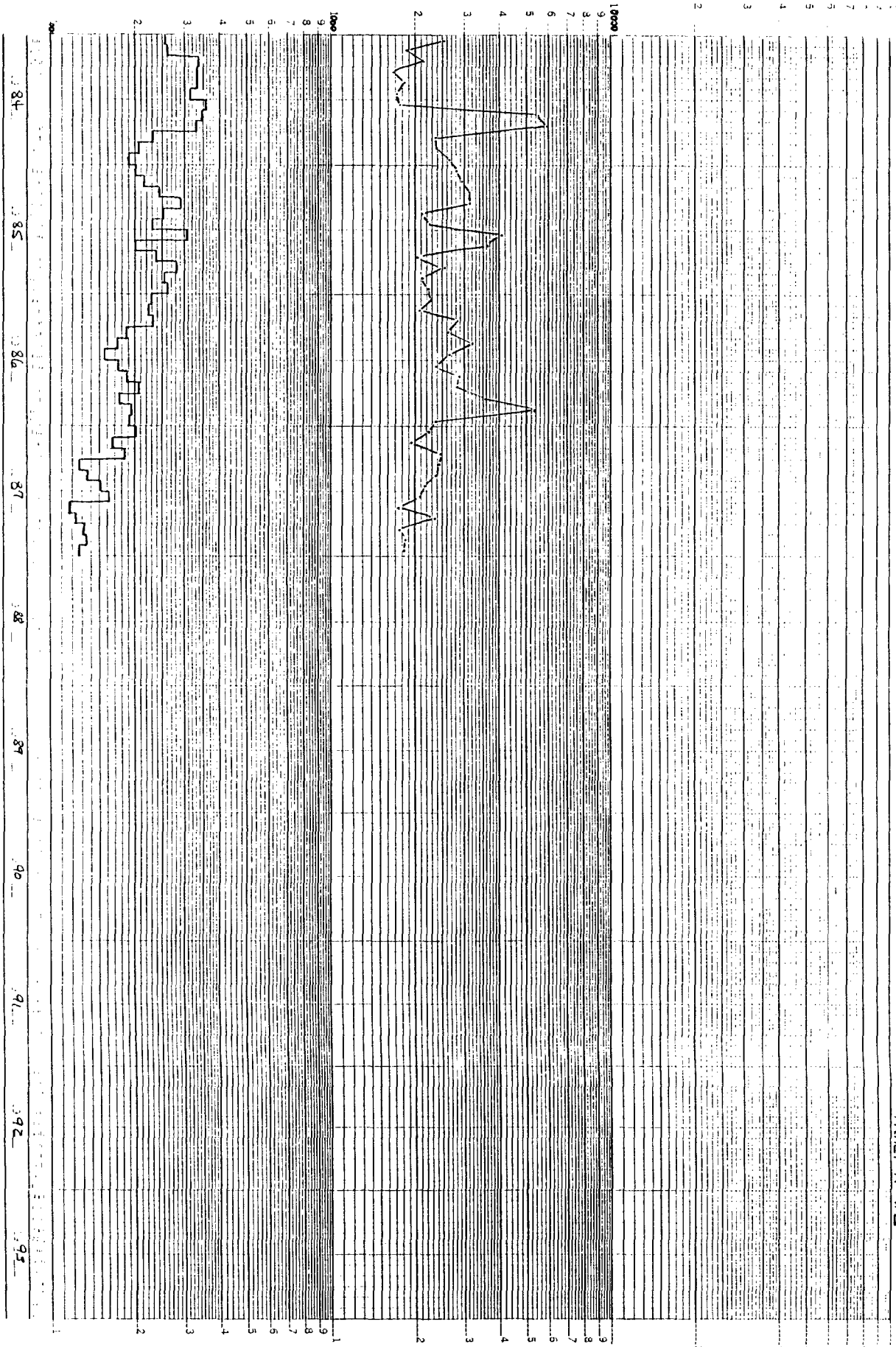


FLYING "M" (SAN ANTONIO)  
FLYING "M" UNIT  
TRACT 19-41

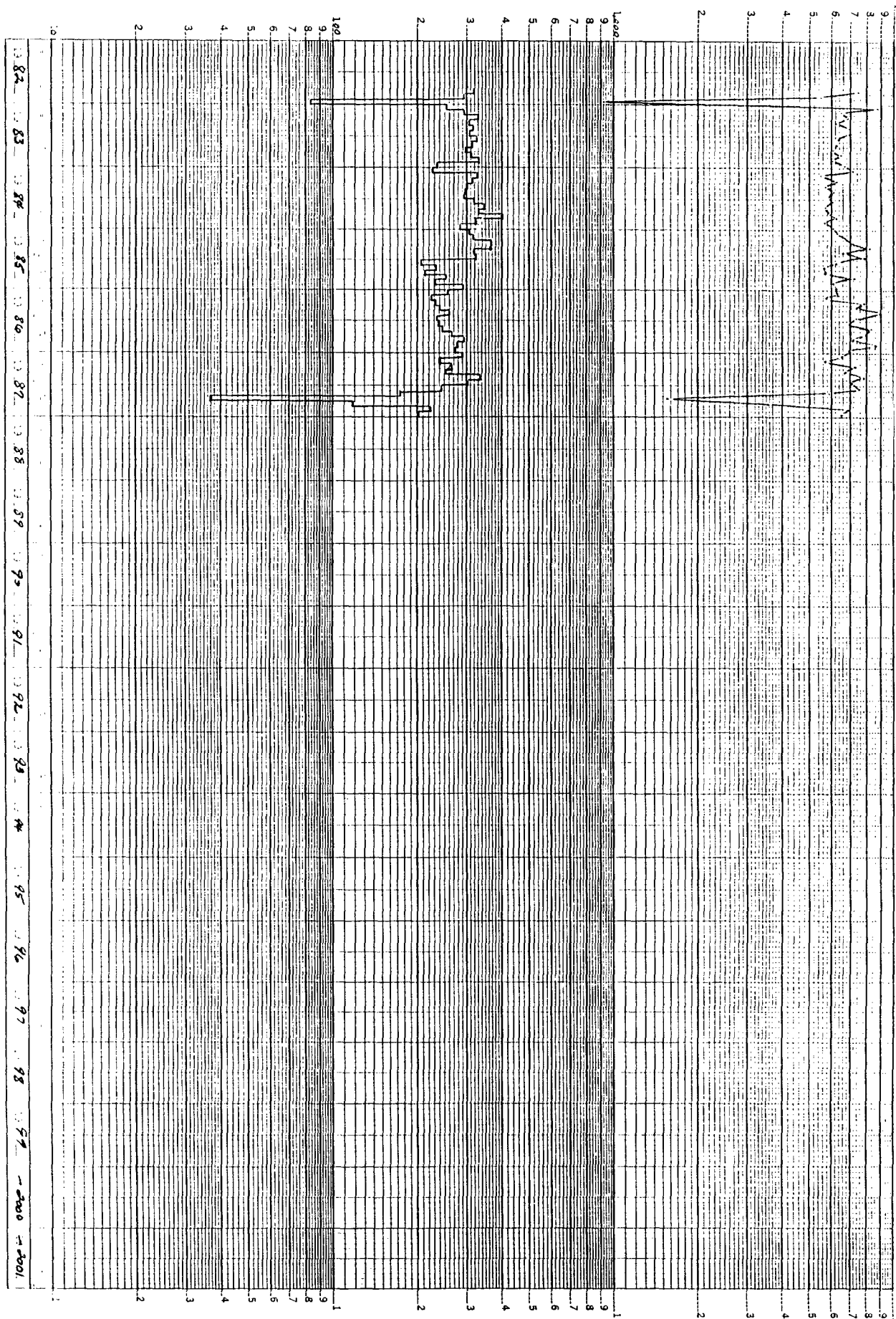




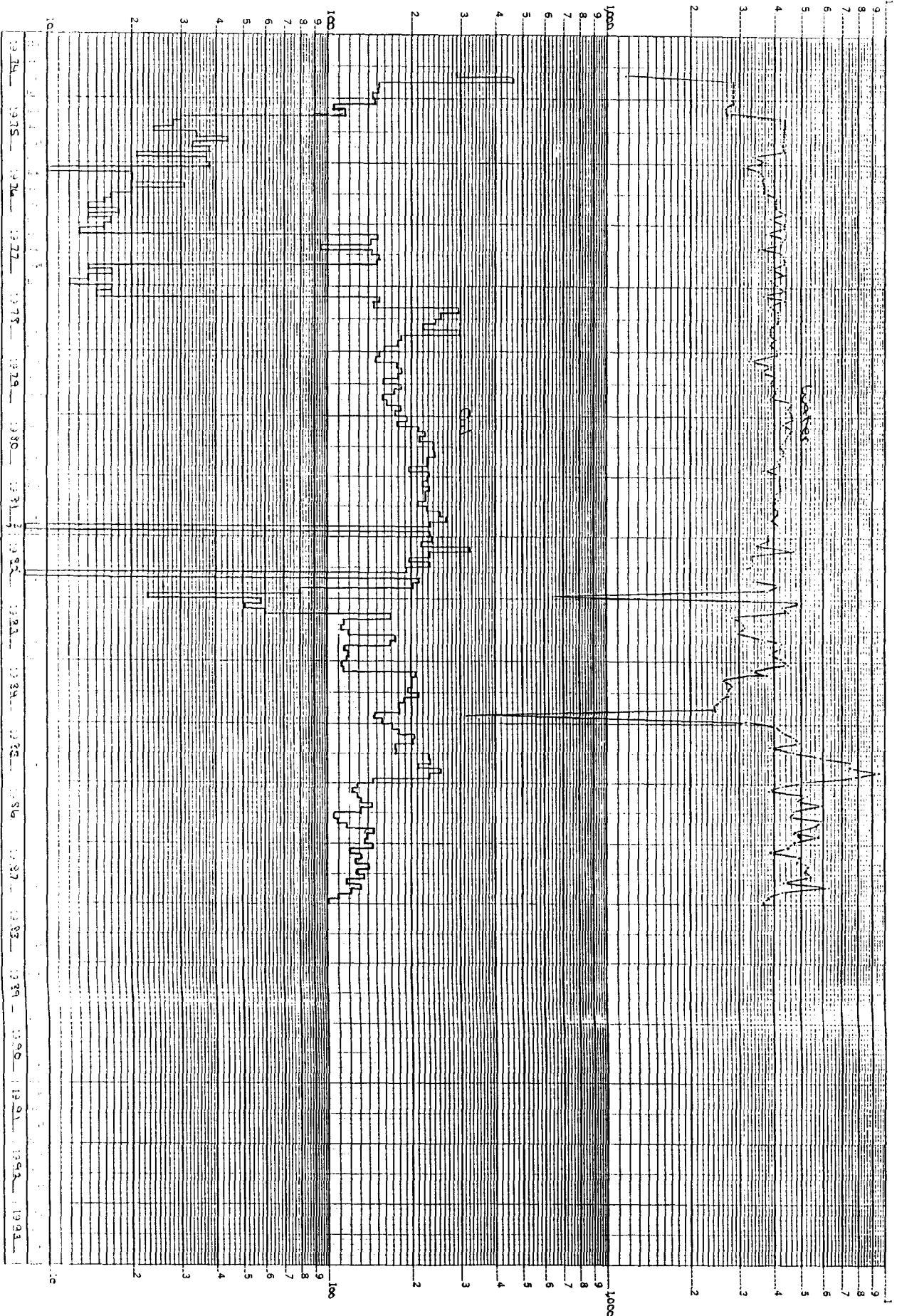
Flying M (San Andres)  
Flying M Unit  
Tract 17#2



FLYING "M" (SAR AWARE)  
FLYING "M" UNIT  
TRACT 17-#2

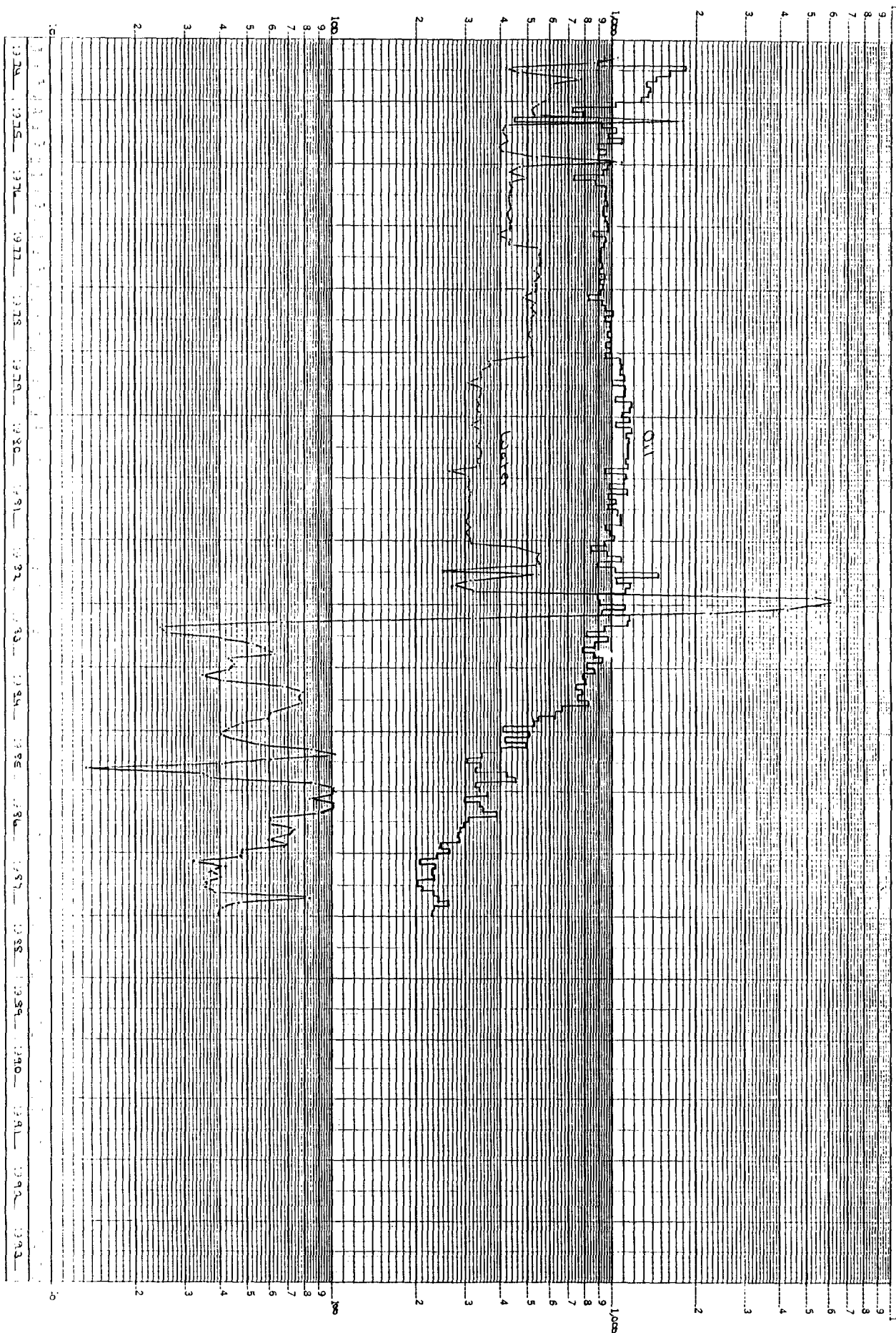


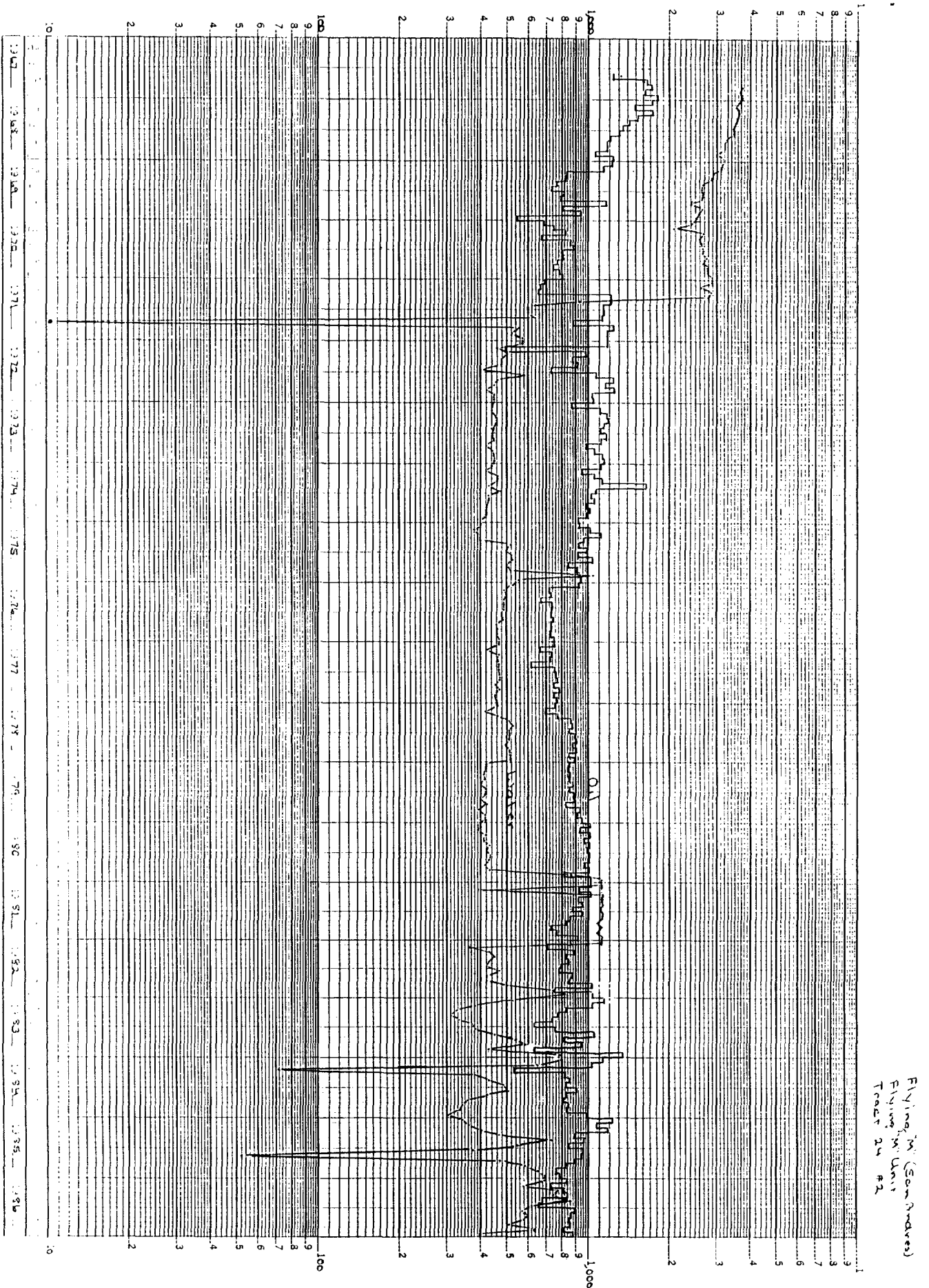
Flying in (San Antonio)  
Flying in (San Antonio)  
March 17, 1933



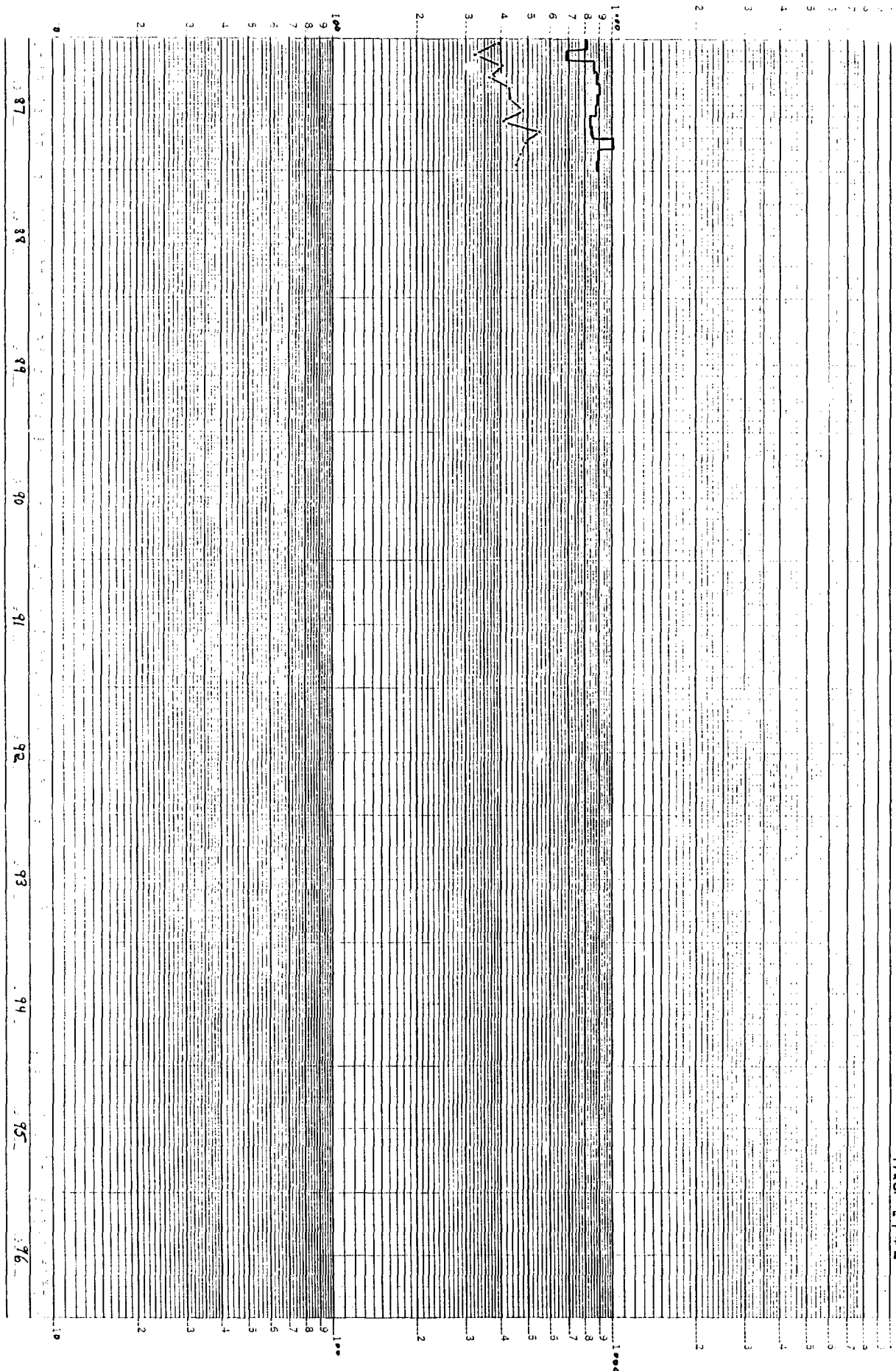
Flying M (San Andres)  
Flying M Unit  
Tract 17 #4

Flying M (San Andres)  
Flying M Unit  
Trace 24 B1

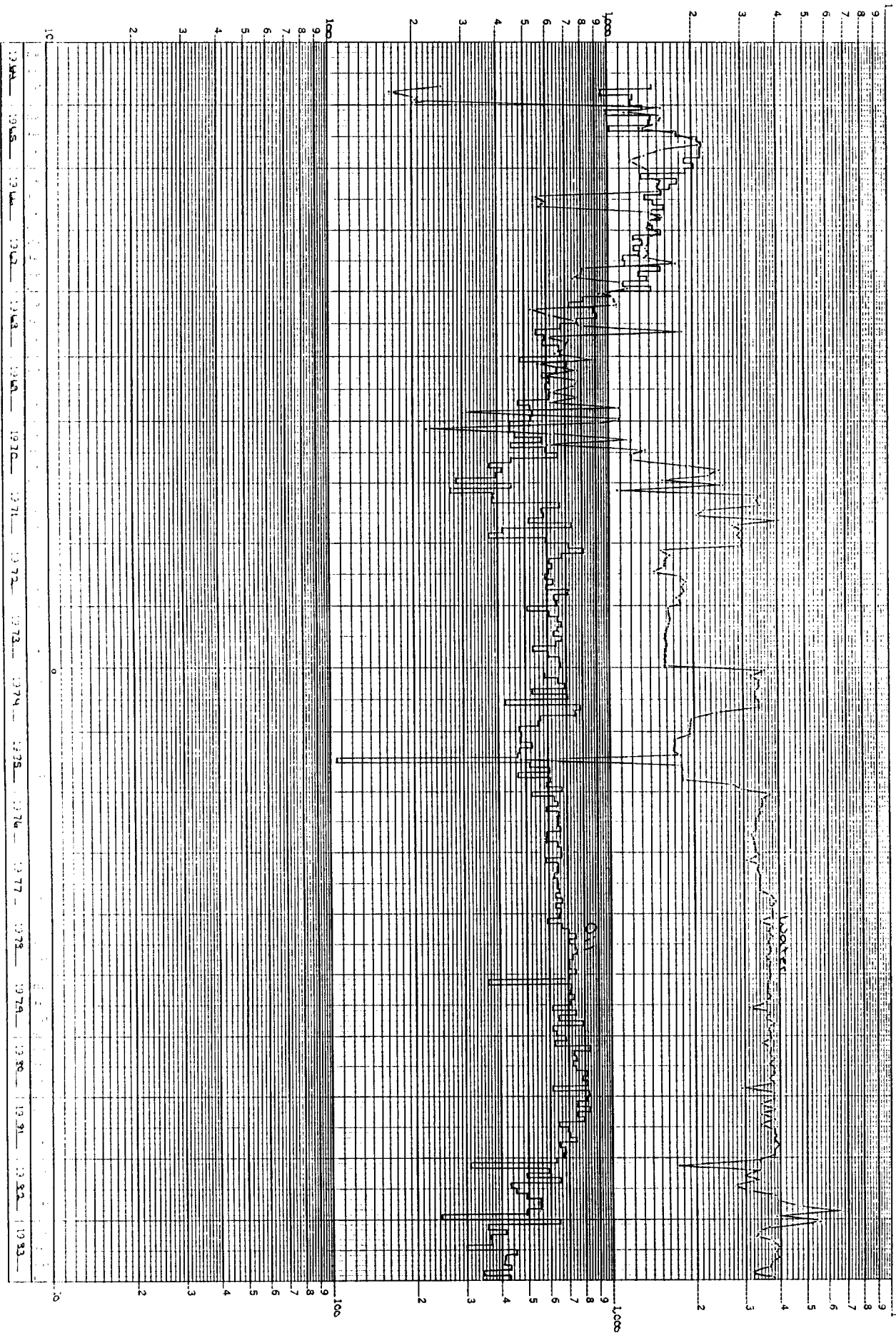




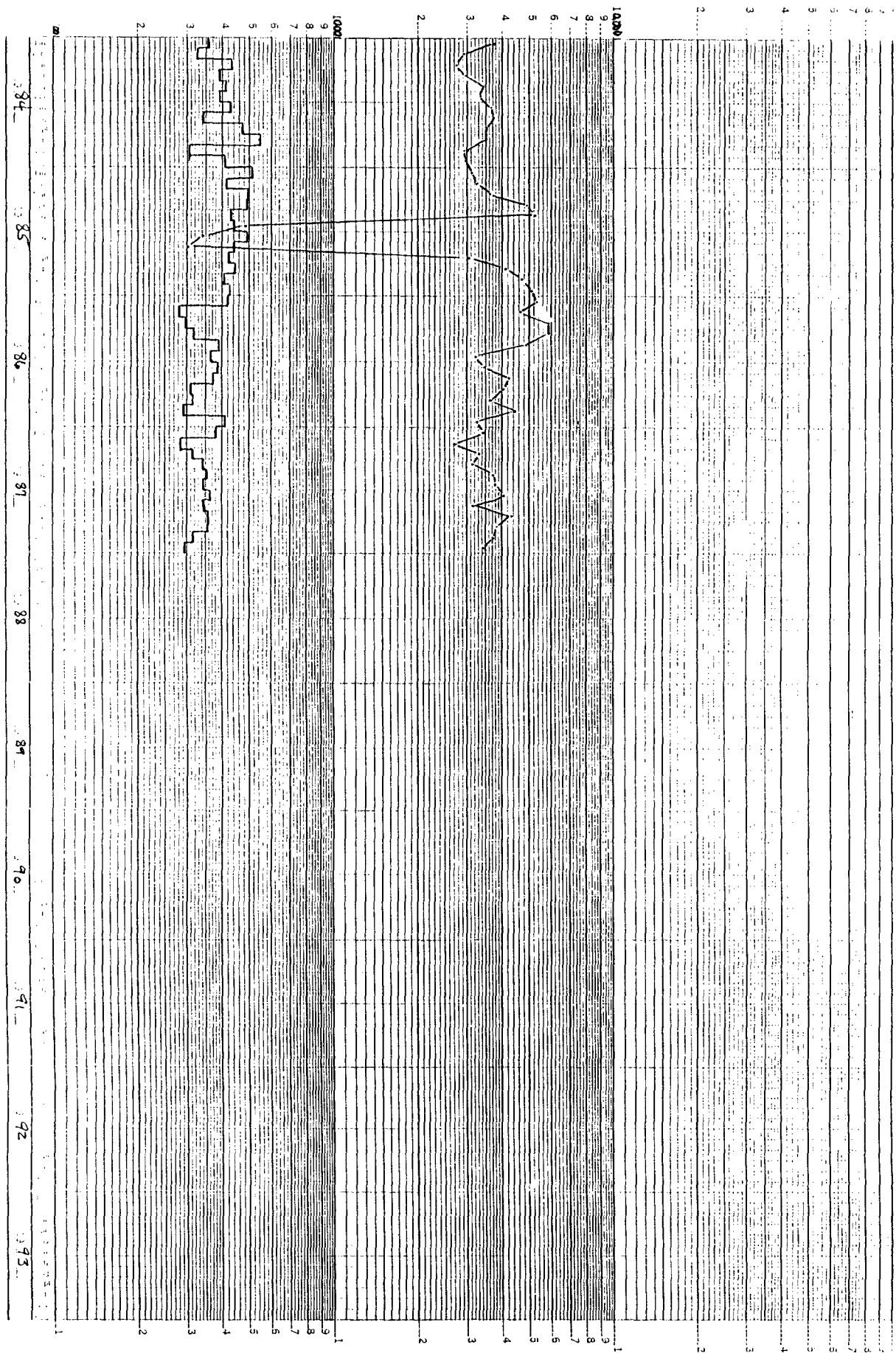




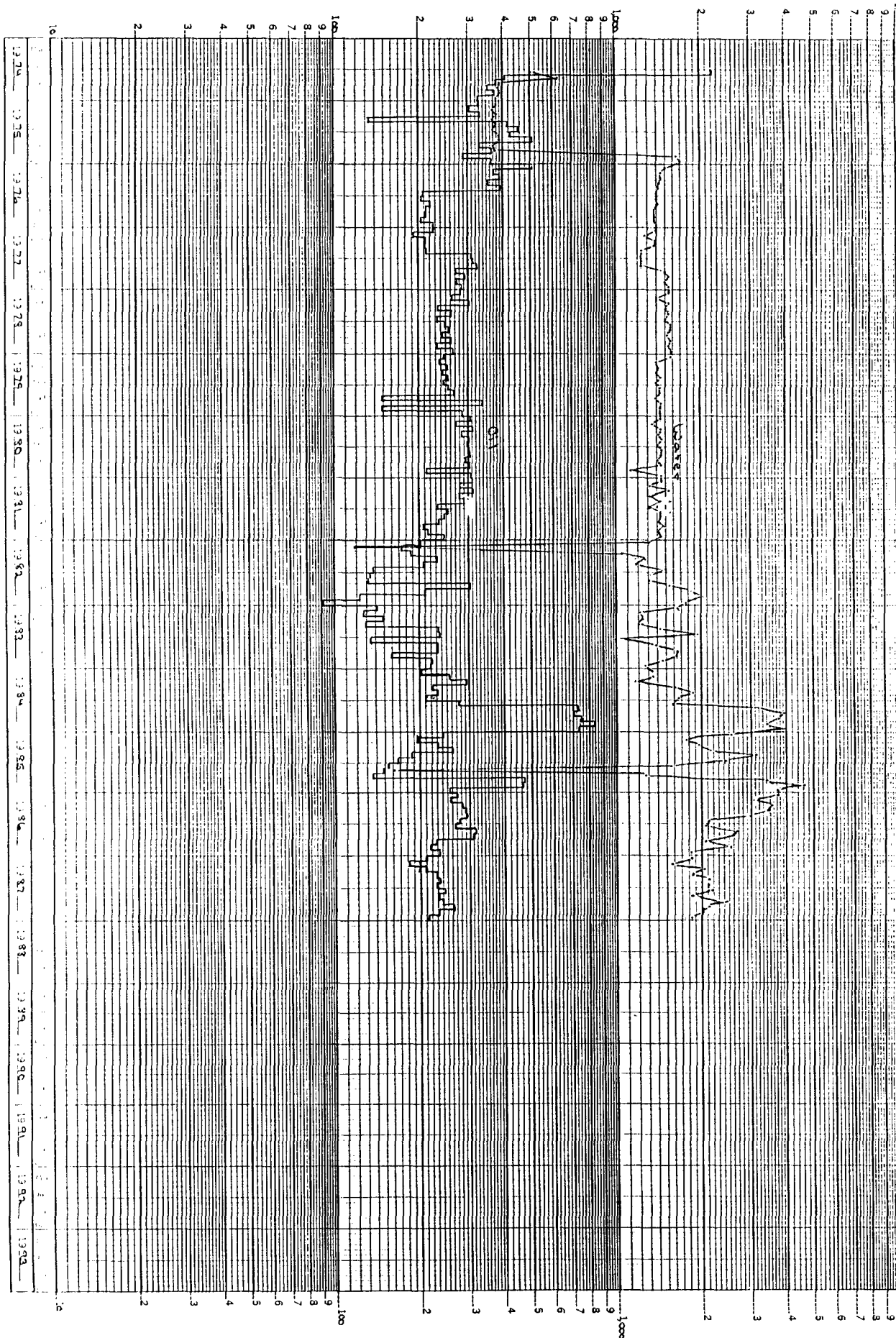
Flying "M" (See Index)  
Flying "M" Unit  
Track 24 #2



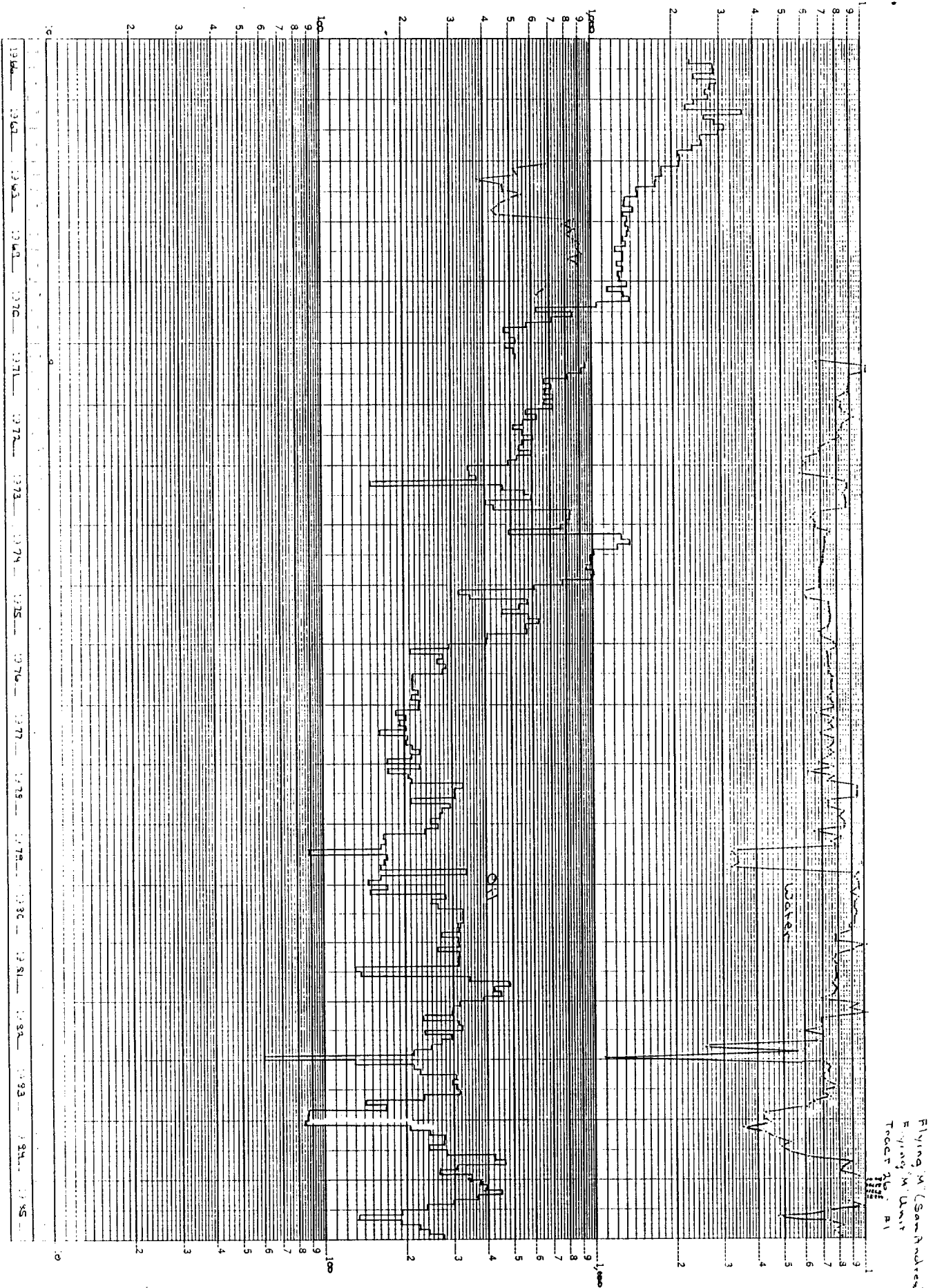


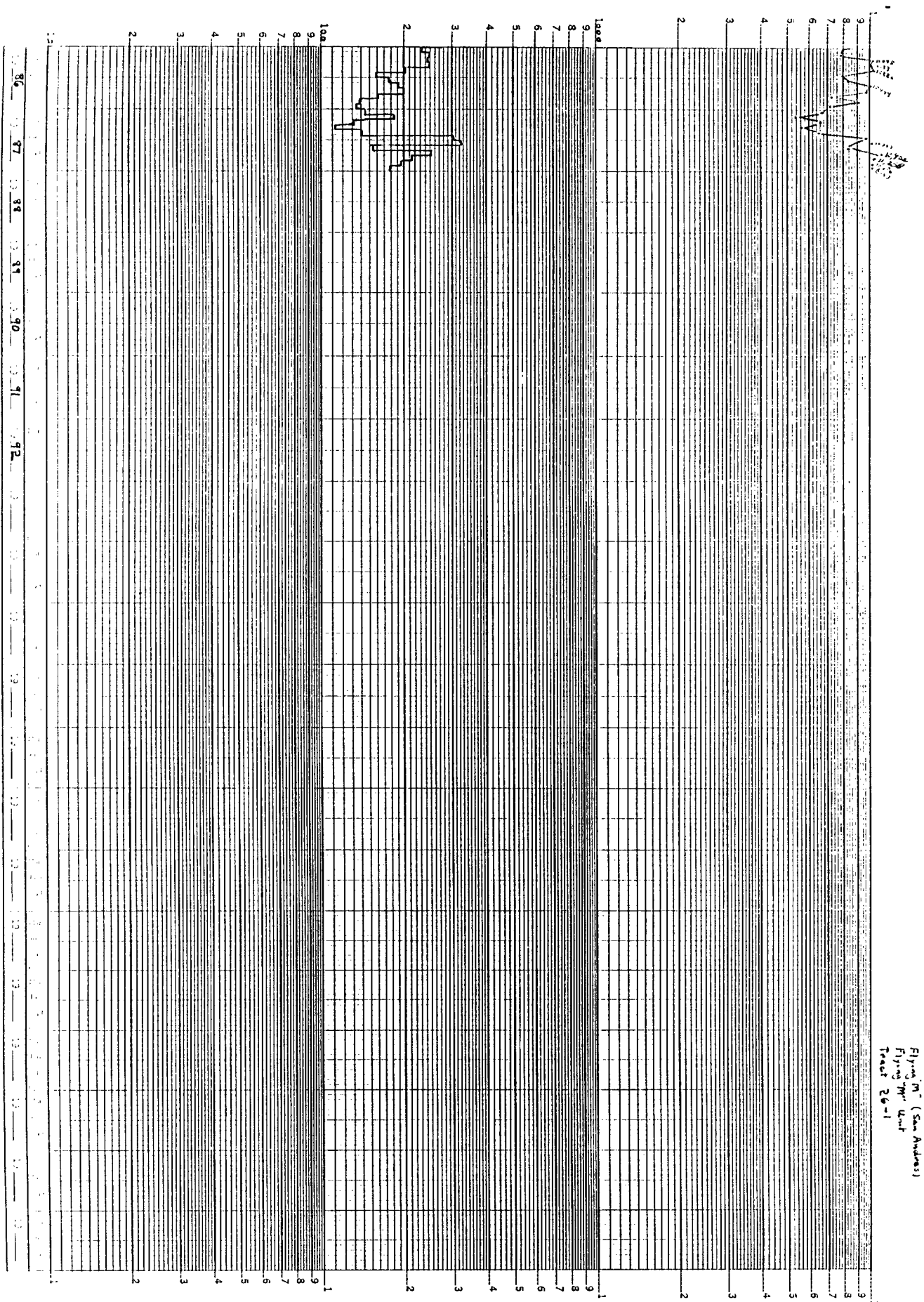


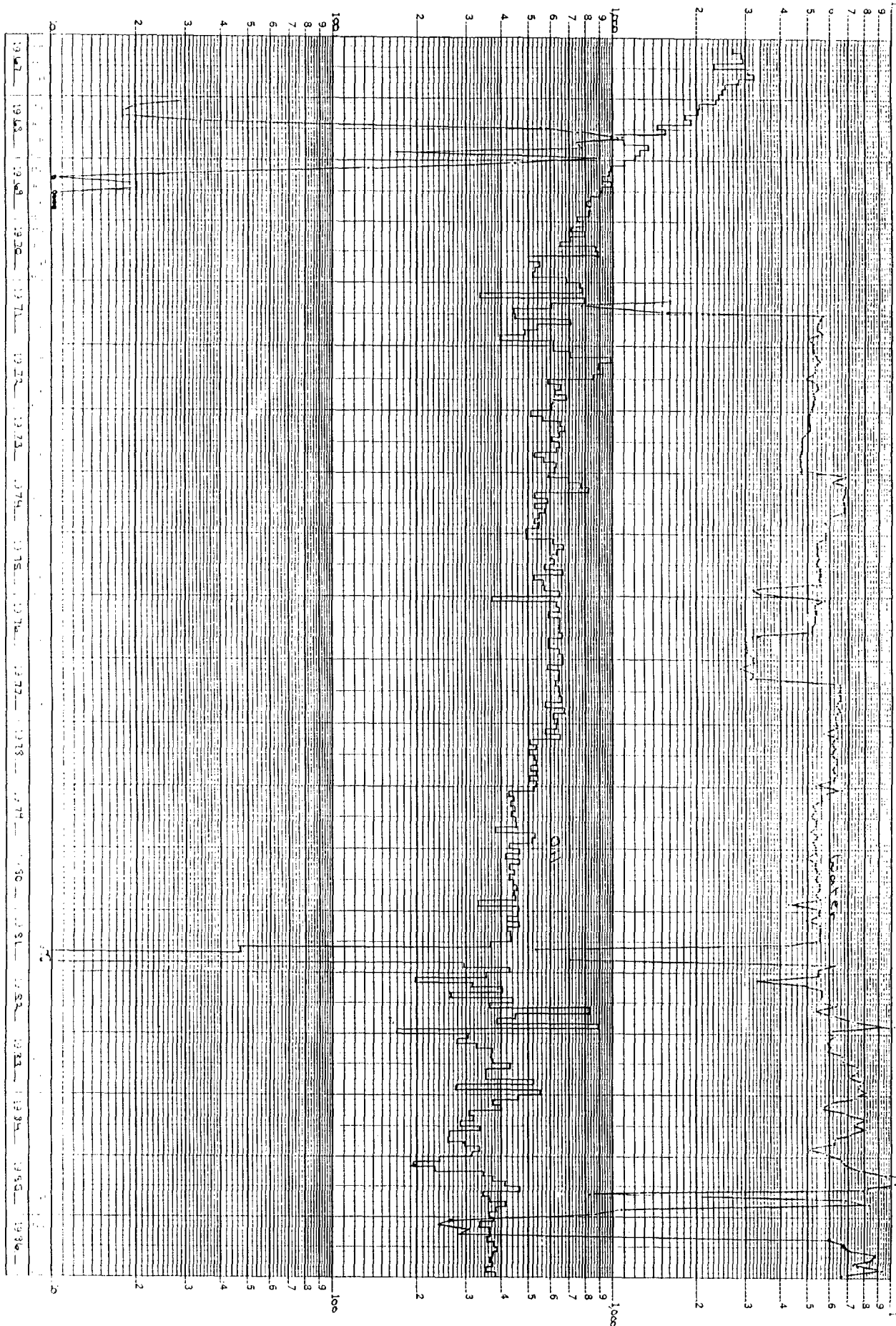
FLYING "M" (SAND HOGS)  
FLYING "M" UNIT  
TRAIL 25 W



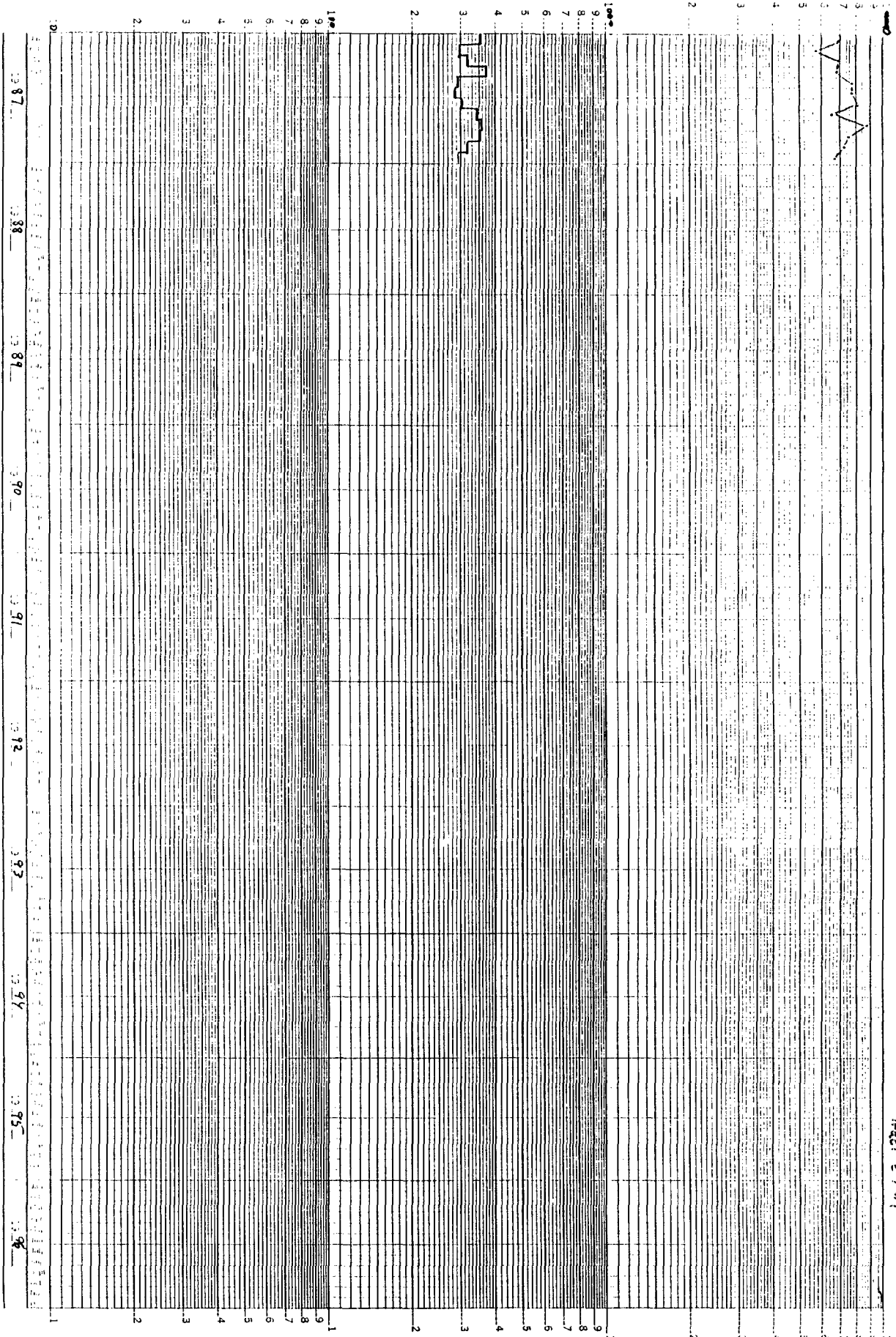
FLYING M (SOM AREA)  
 FLYING M UNIT  
 TRACT 25 #5





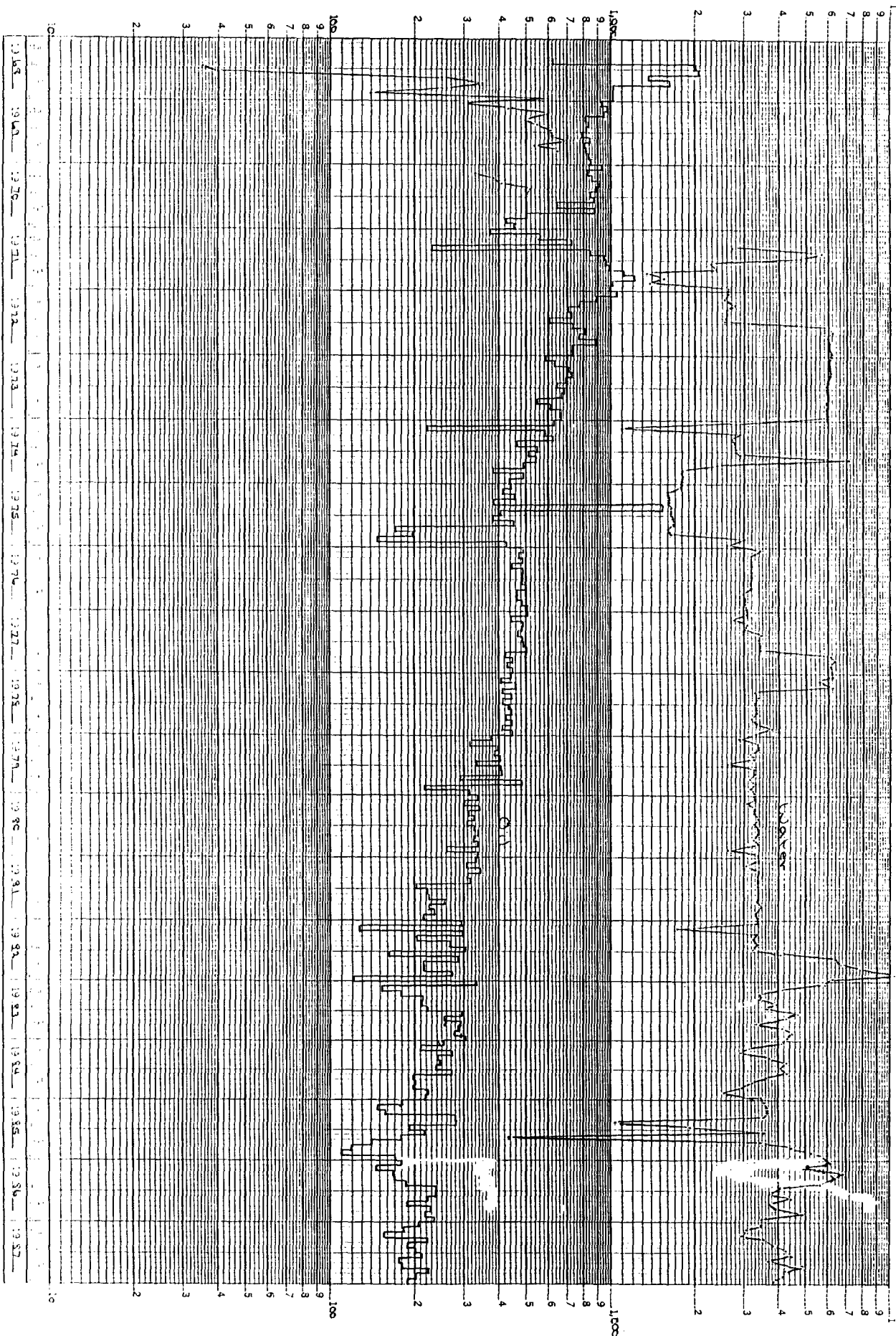


Flying W' (Sean Andrew)  
Flying W Unit  
Trace A1 #1

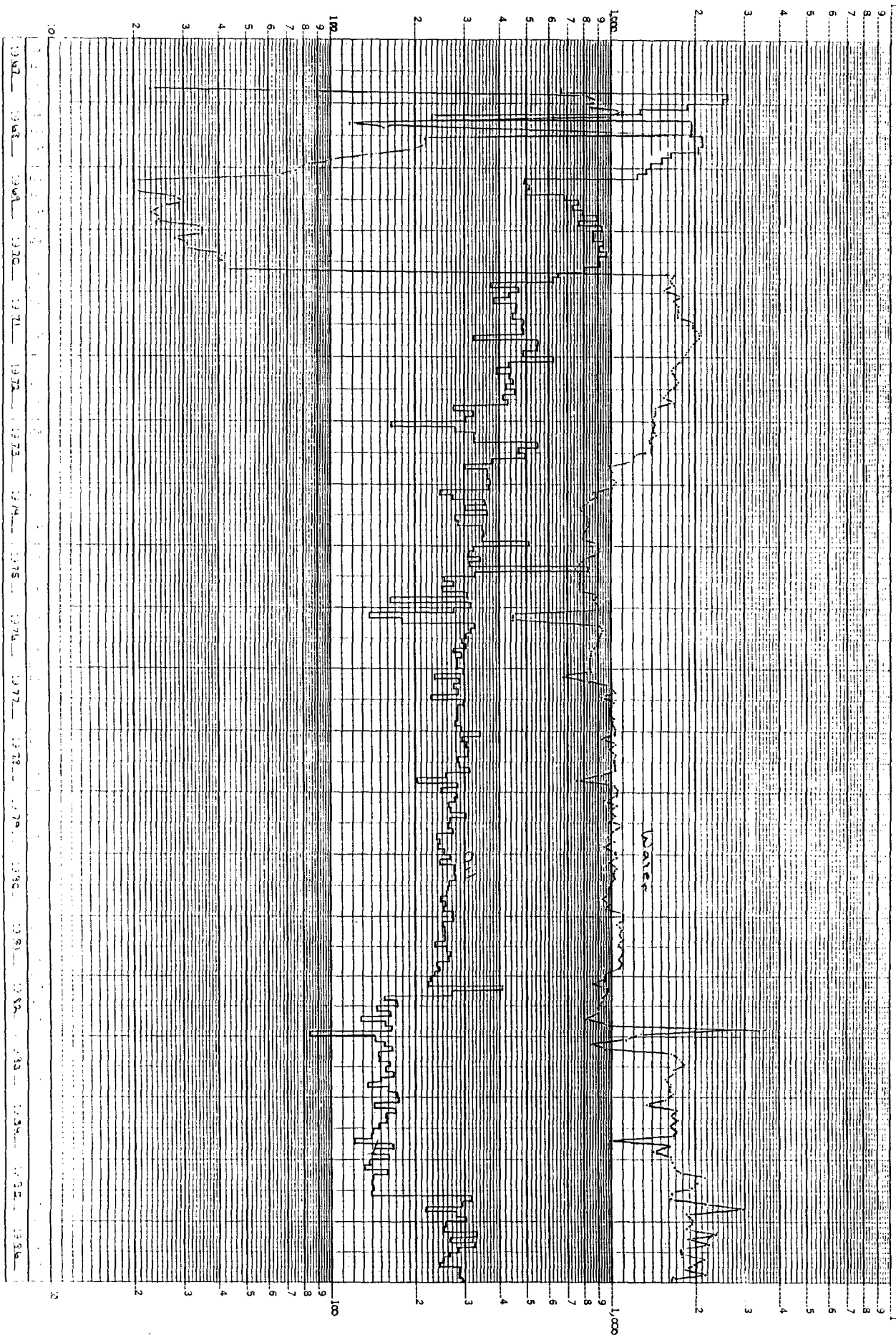


Flying "M" (San Antonio)  
Flying "M" Unit  
Track 27 M1



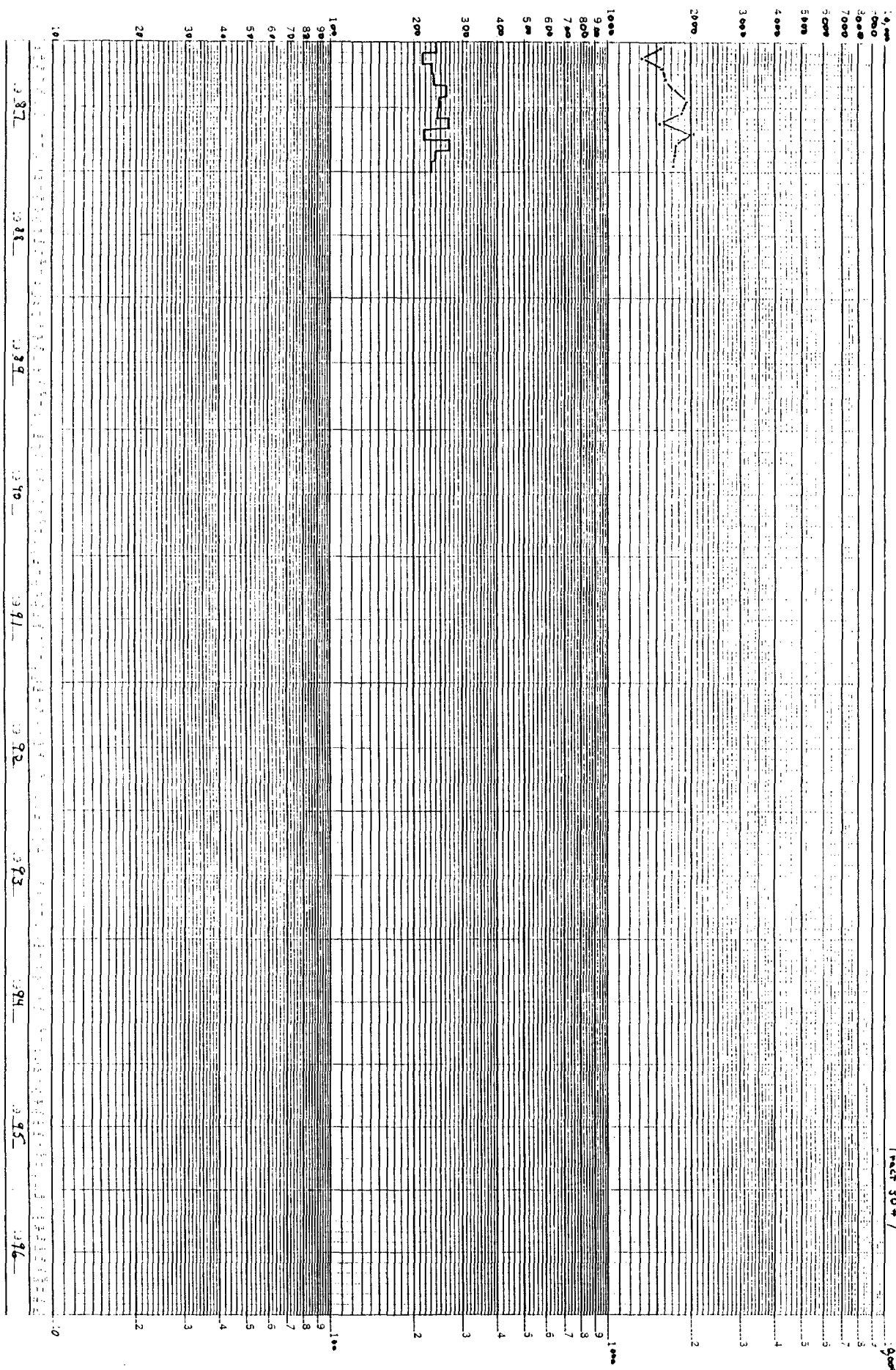


Flying W (Son Andrew)  
Flying W Unit  
Tract 27 #2

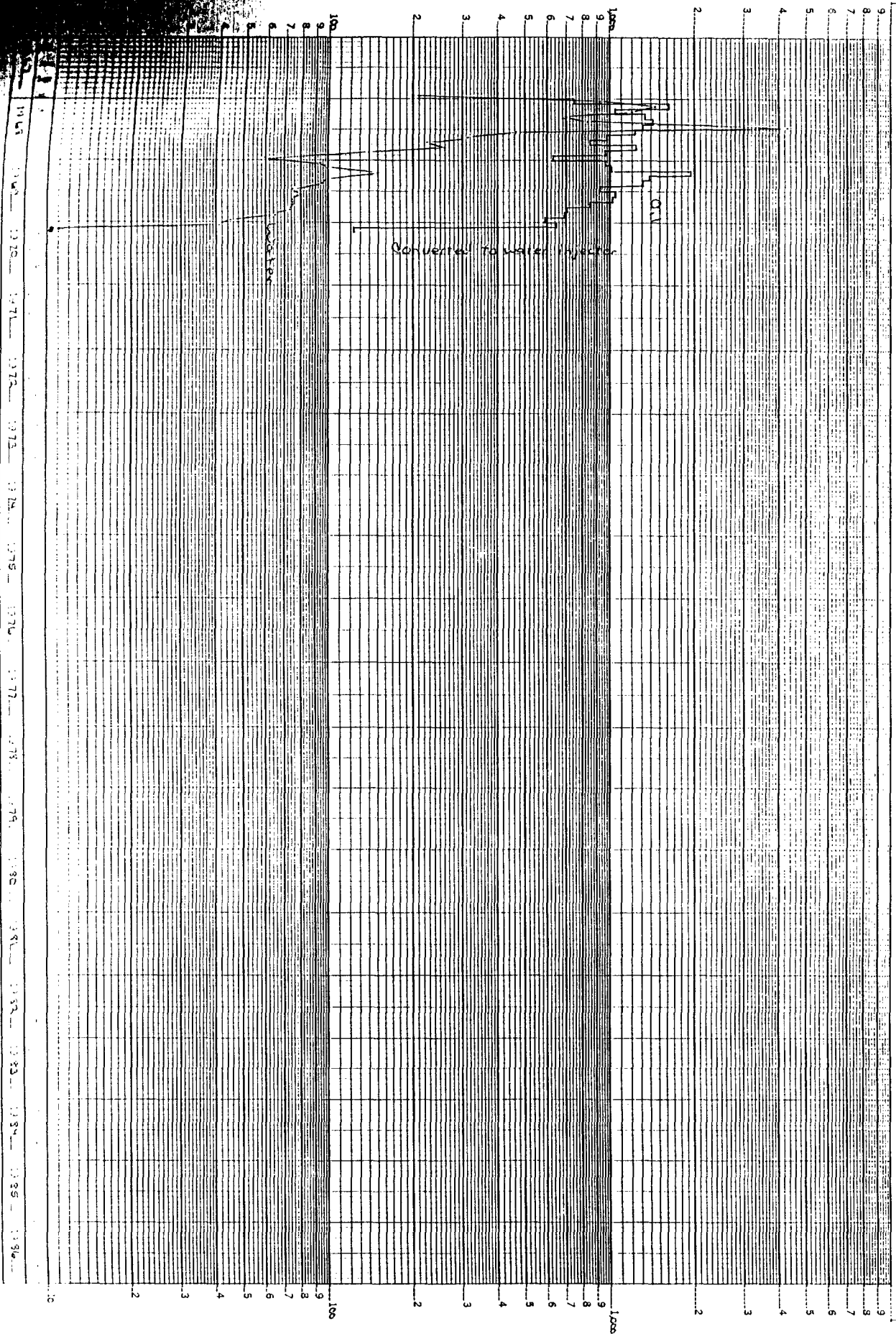


Flying M (San Andres)  
Flying M Unit  
Tract 30 #7

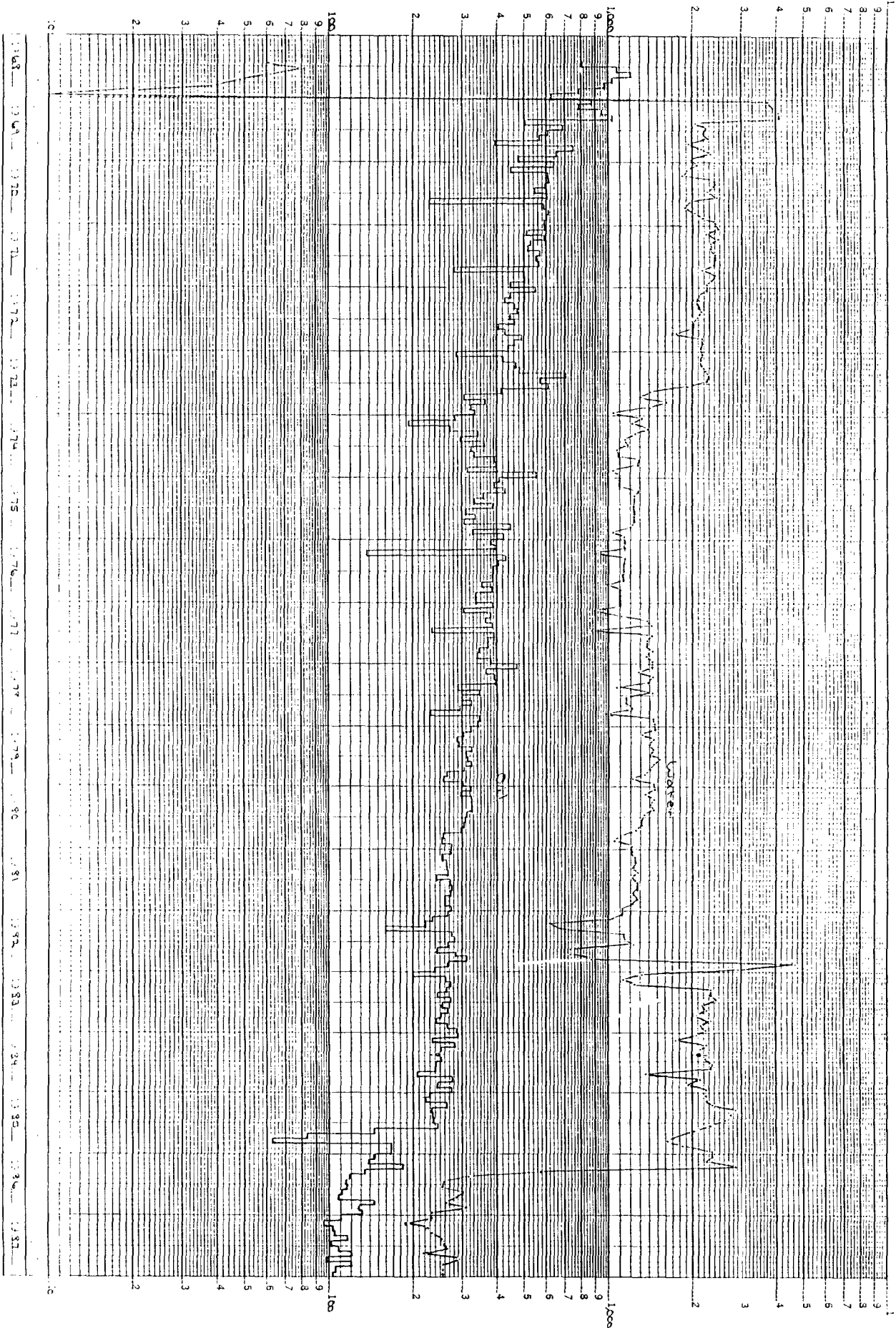




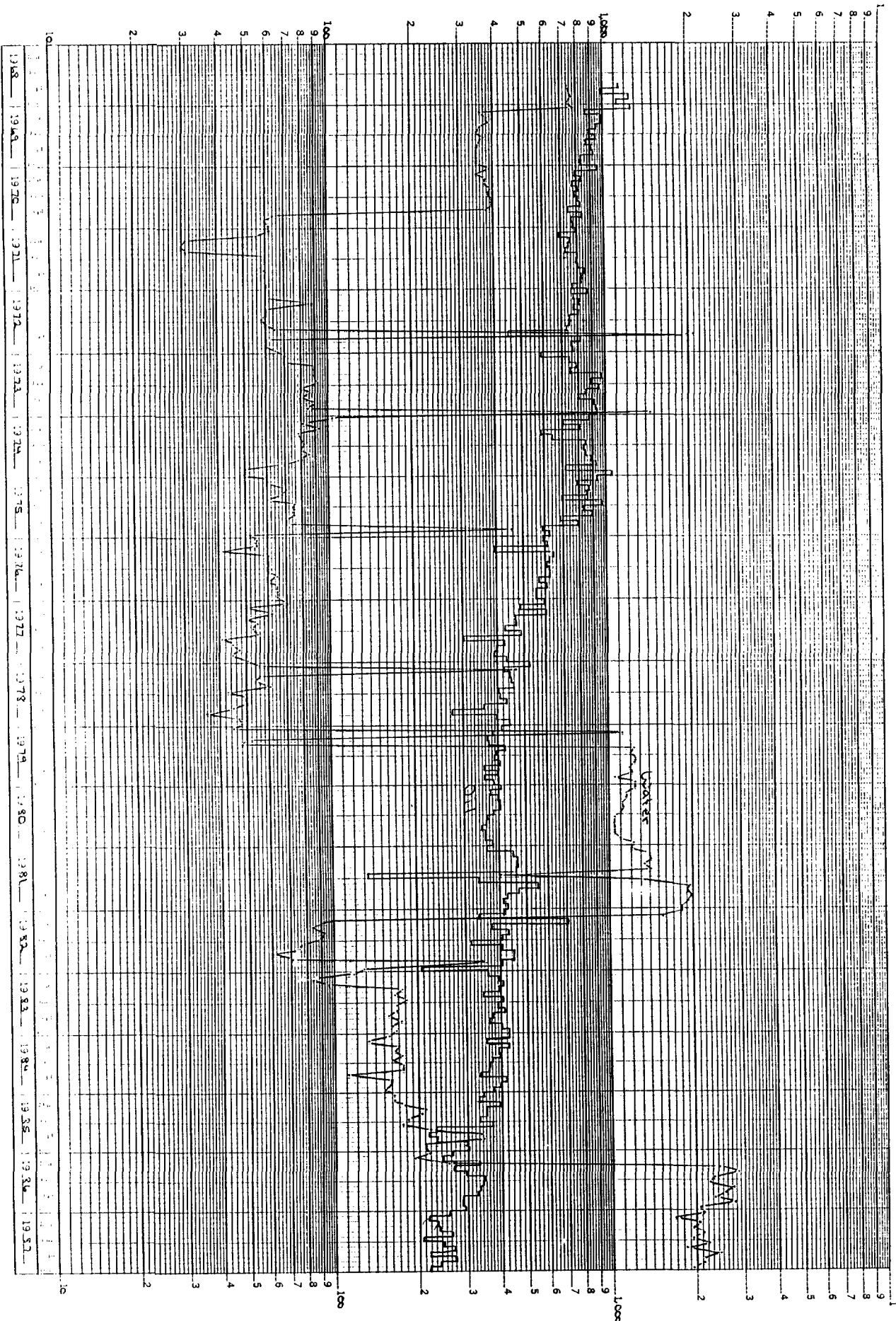
Flying "M" (See Analysis)  
Flying "M" Unit  
Tract 3047



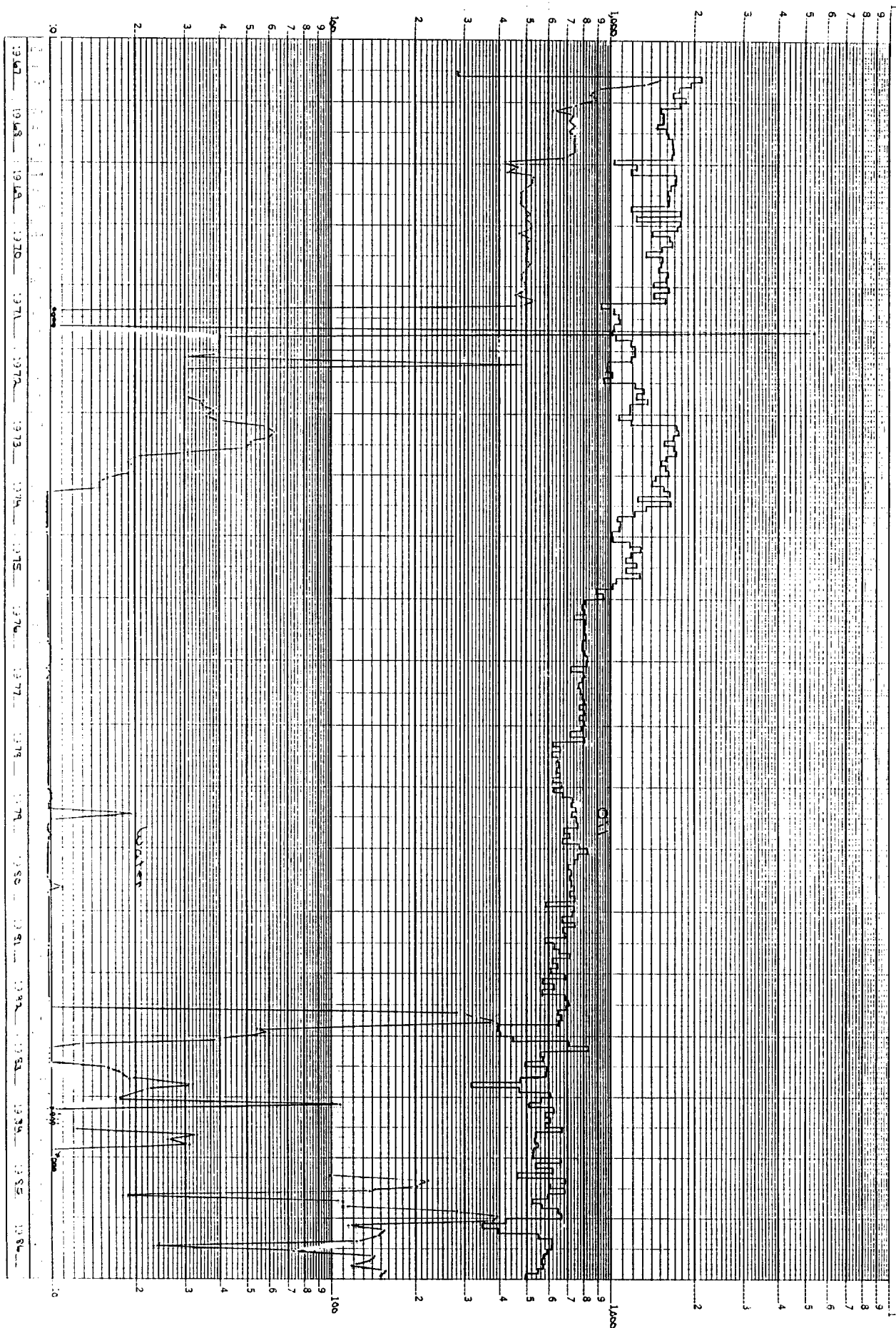
Flying M (San Andres)  
Flying M Unit  
Tract 30 #9



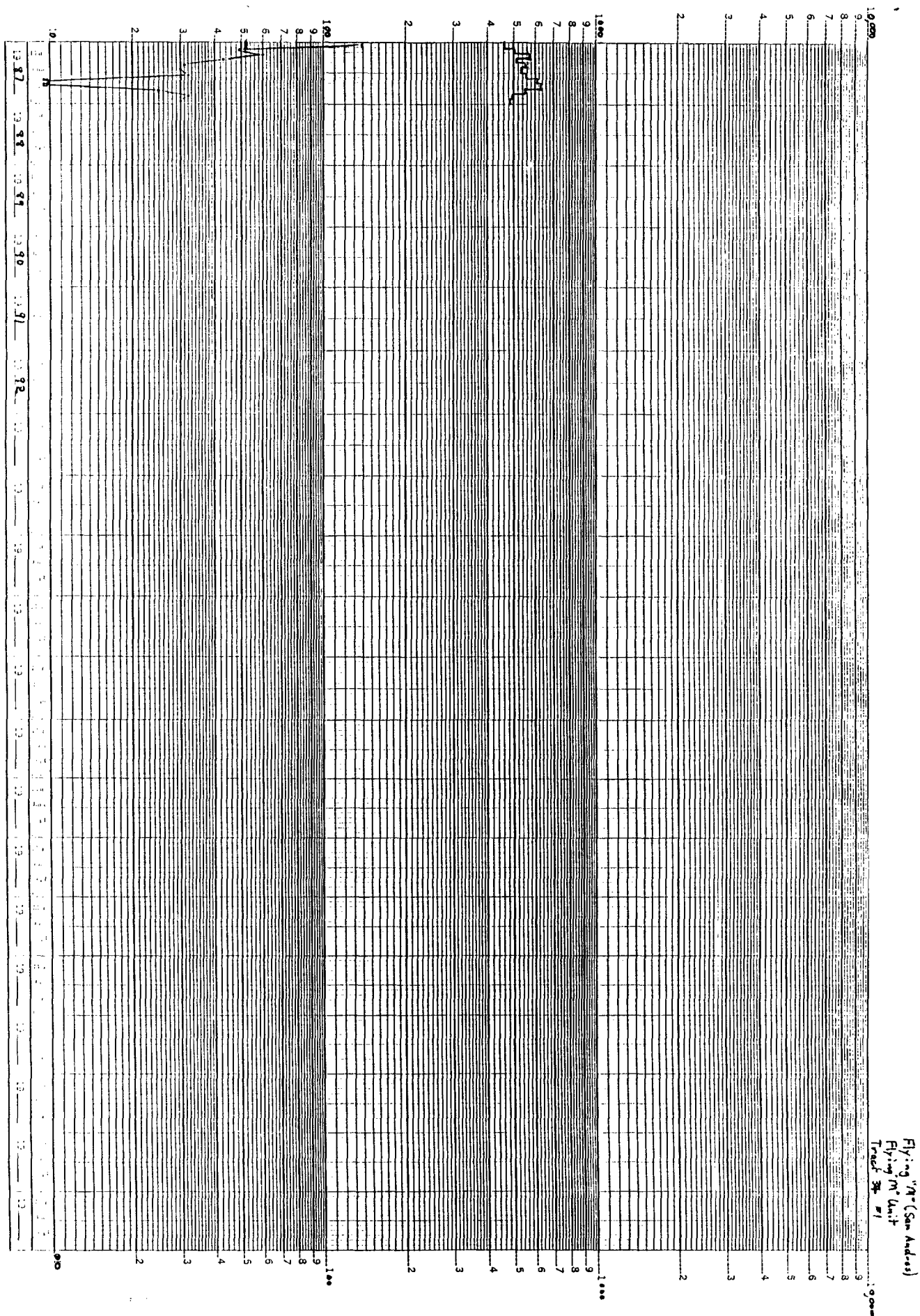
Flying M (San Andres)  
 Flying M Unit  
 Tract 31 #1



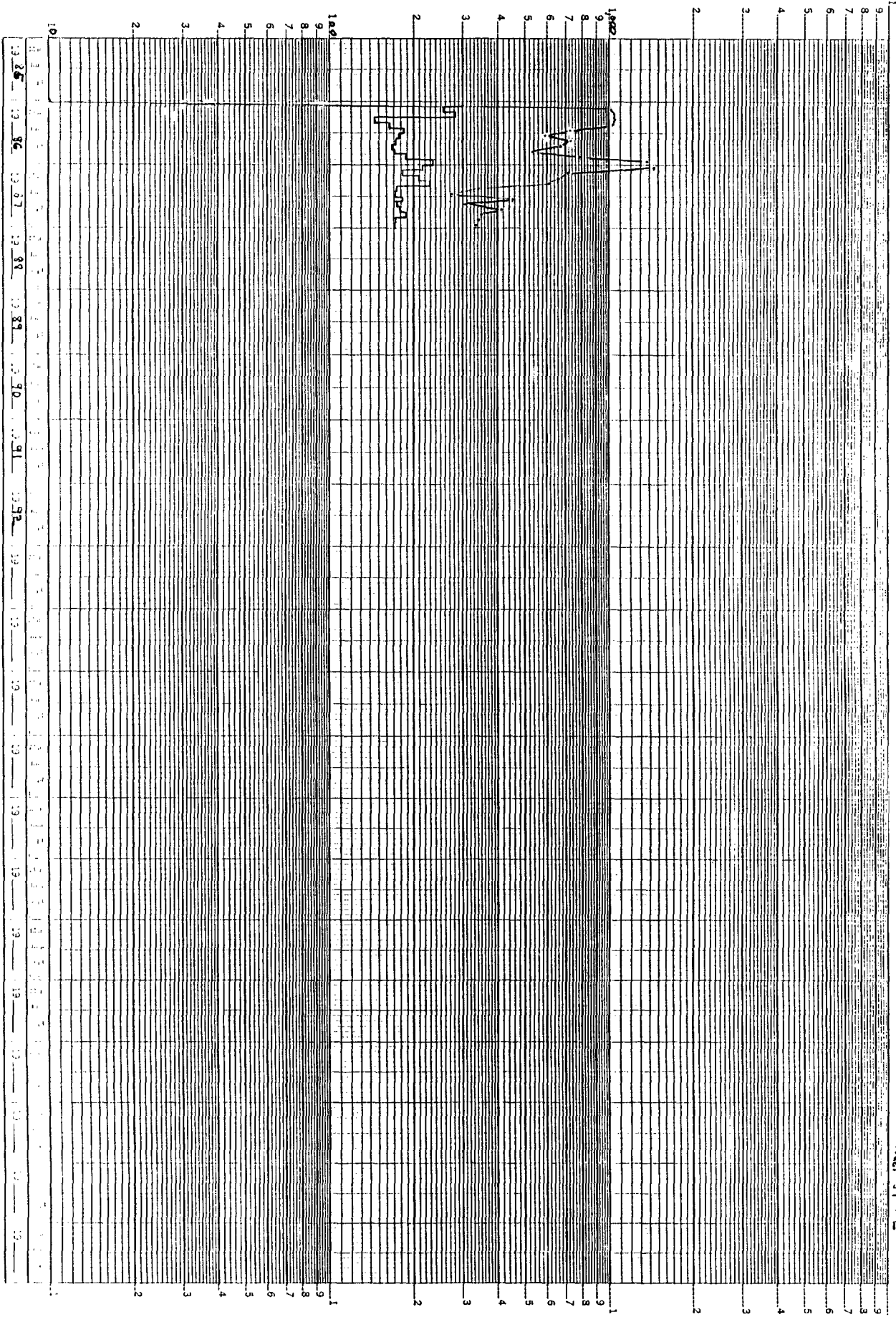
Flying M (San Andres)  
Flying W Unit  
Tracer 32 #1



Flying 'M' (San Andres)  
Flying 'M' Unit  
Trace 34 21







Flying "M" (San Antonio)  
Flying M Unit  
Total 34 x 2

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS  
GOVERNOR

March 4, 1987

#3554

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Coastal Oil & Gas Corporation  
Dinero Plaza  
P. O. Box 235  
Midland, Texas 79702-0235

Attention: Bobby L Smith

Re: Plan of Operations  
Flying "M" (SA) Unit

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roy E. Johnson".

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque

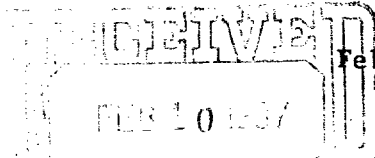




**Coastal Oil & Gas Corporation**  
a subsidiary of The Coastal Corporation

Dinero Plaza  
1004 North Big Spring St.  
P. O. Box 235  
Midland, Texas 79702-0235

915/682-7925



February 4, 1987

State of New Mexico  
Energy & Minerals Department  
P. O. Box 2088  
Santa Fe, New Mexico 87504

Attention: Land Commissioner

Re: Plan of Operations  
Flying "M" (SA) Unit  
Coastal Oil & Gas Corporation - Operator

Gentlemen:

Please find attached a Plan of Operations for the Coastal operated Flying "M" (SA) Unit in Lea County, New Mexico. This plan of operations consist of a current unit map showing all existing wells and their current status. Also, individual producing well decline curves are included.

At this time, Coastal is not planning to drill any additional unit wells in 1987. A combination of low oil prices and the low gravity sour crude produced within the unit have severely reduced operating profit from the Flying "M" (SA) Unit. For the short term we intend to maintain production as best we can and hold operating expenses as low as possible.

If any additional information is needed or any questions arise concerning the Flying "M" Unit, please feel free to contact our Midland office.

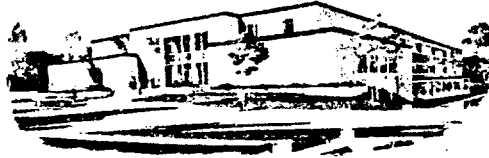
Sincerely,

*Bobby L. Smith*  
Bobby L. Smith -  
Petroleum Engineer

BLS/sc

Attachments

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER

## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 12, 1987

Coastal Oil and Gas Corporation  
ATTENTION: Mr. Bobby L. Smith  
P. O. Box 235  
Midland, Texas 79702-0235

Re: 1987 Plan of Operations  
Flying "M" San Andres Unit  
Lea County, New Mexico

Gentlemen:

The New Mexico Oil Conservation Division has notified this office that your 1987 Plan of Operations for the Flying "M" San Andres Unit area, Lea County, New Mexico has been approved. Our records reflect that you have not submitted any Plan of Operations to this office for approval. Under the terms of Article 10 of the Unit Agreement, please submit your Plan of Operations for 1987.

As part of your plan we require an up-to-date map of the unit area showing all wells and their zone(s) of completion. In addition please furnish a summary by months of the last years production history. Please be advised that the above information (map and production history) will be required by this office on all future Plans of Operations that require the Land Commissioner's approval.

Very truly yours,

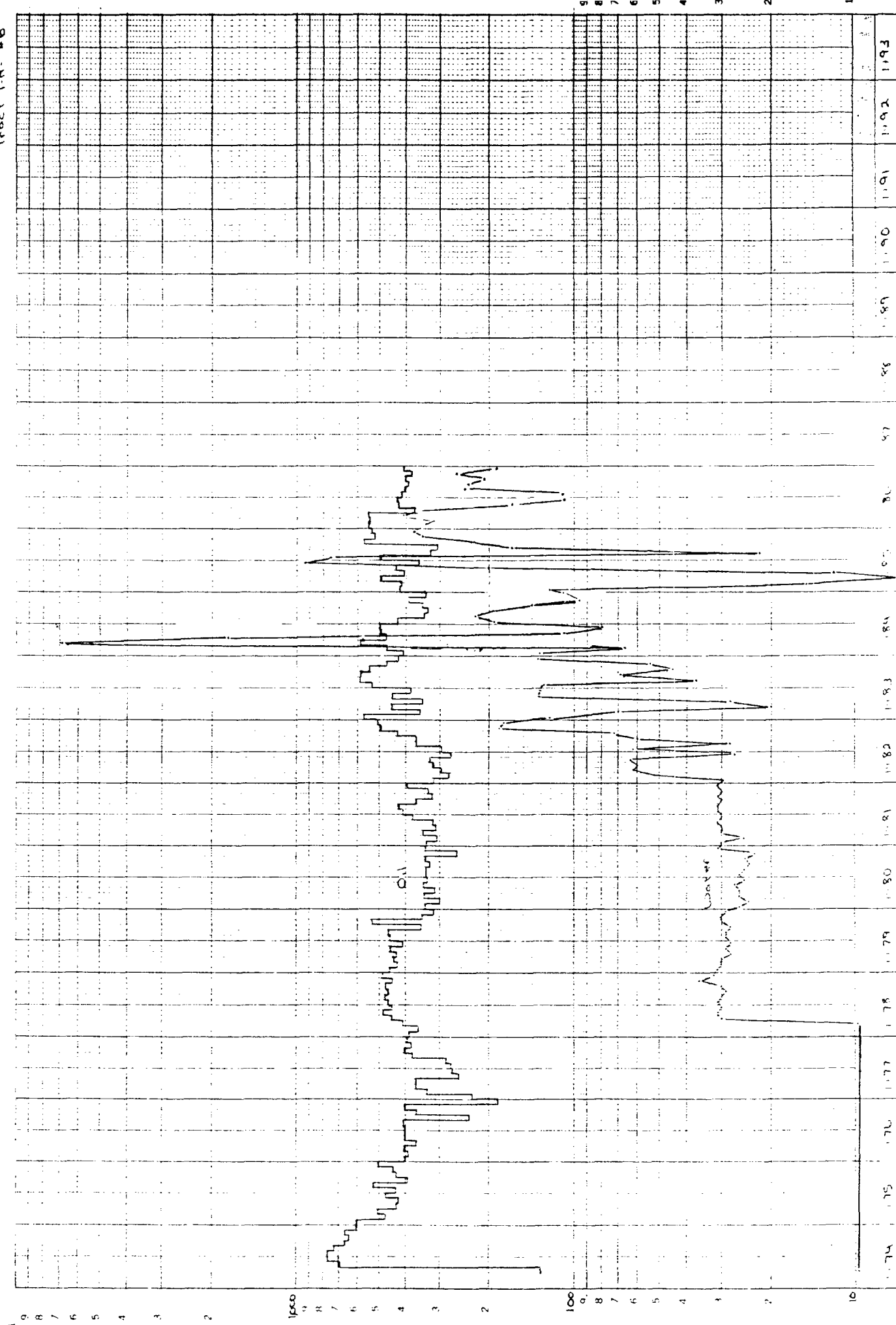
W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

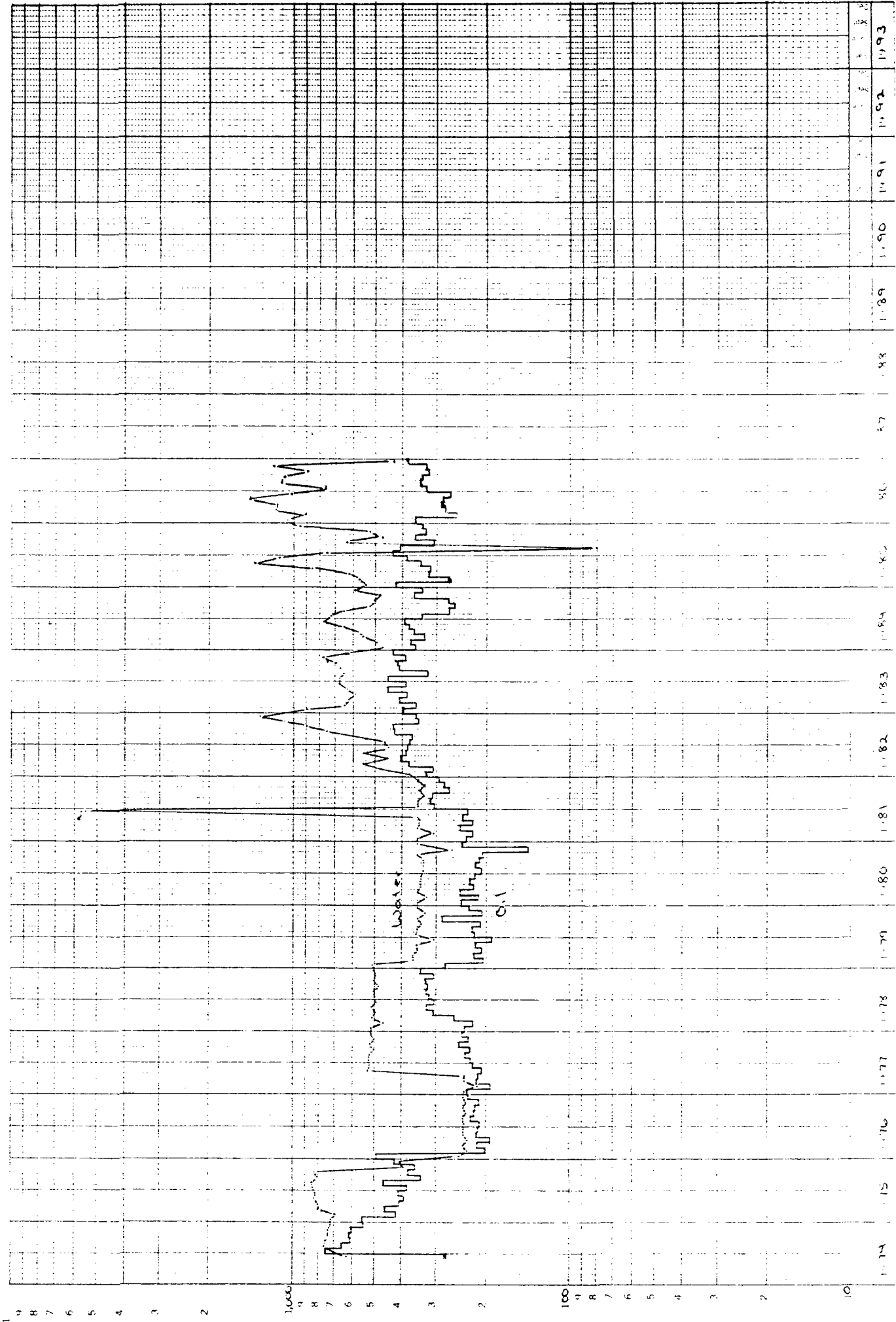
WRH/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Roswell, New Mexico

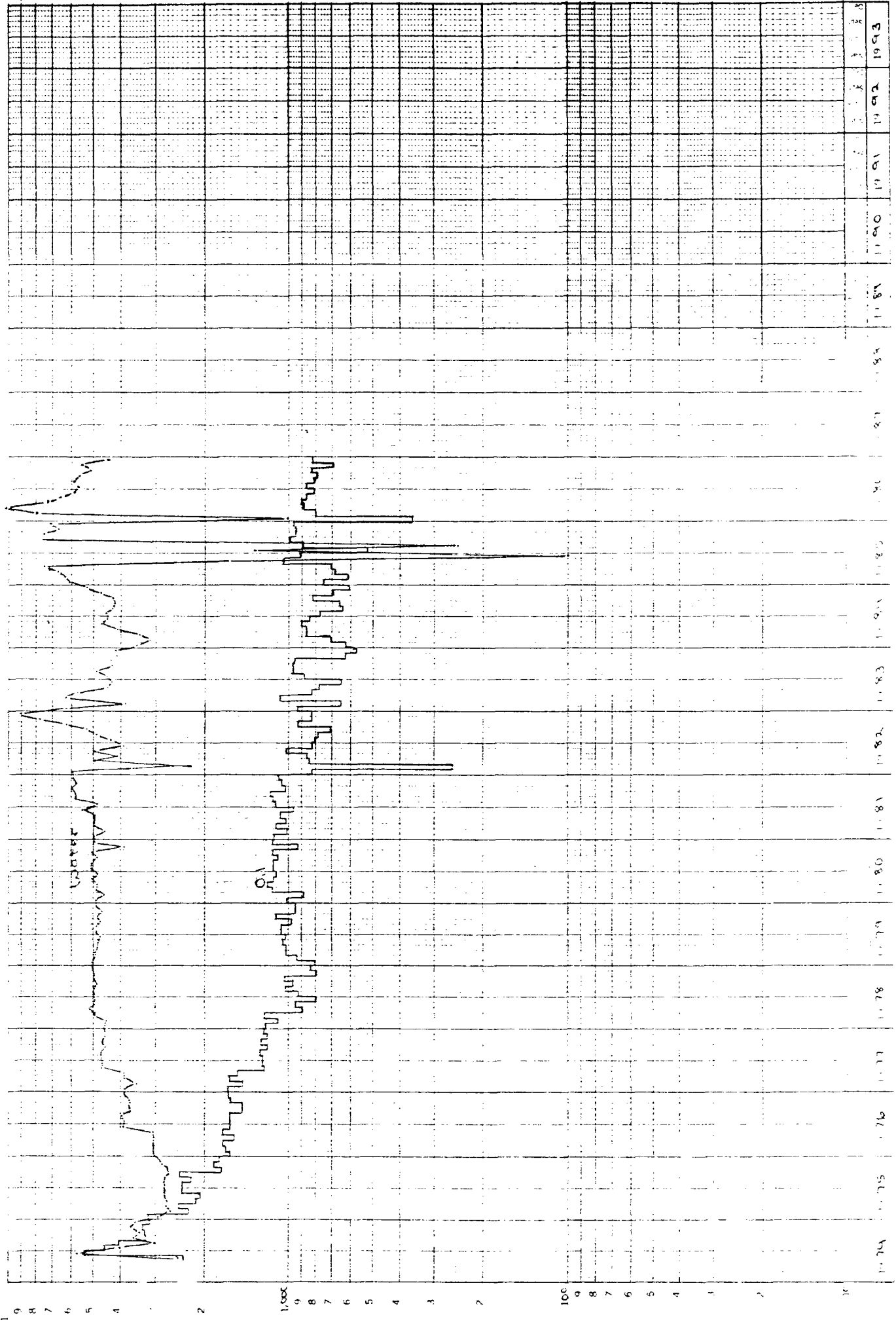
Flying M. (Sap. A.)  
 Flying M. Unit  
 Tract 1-A. #6



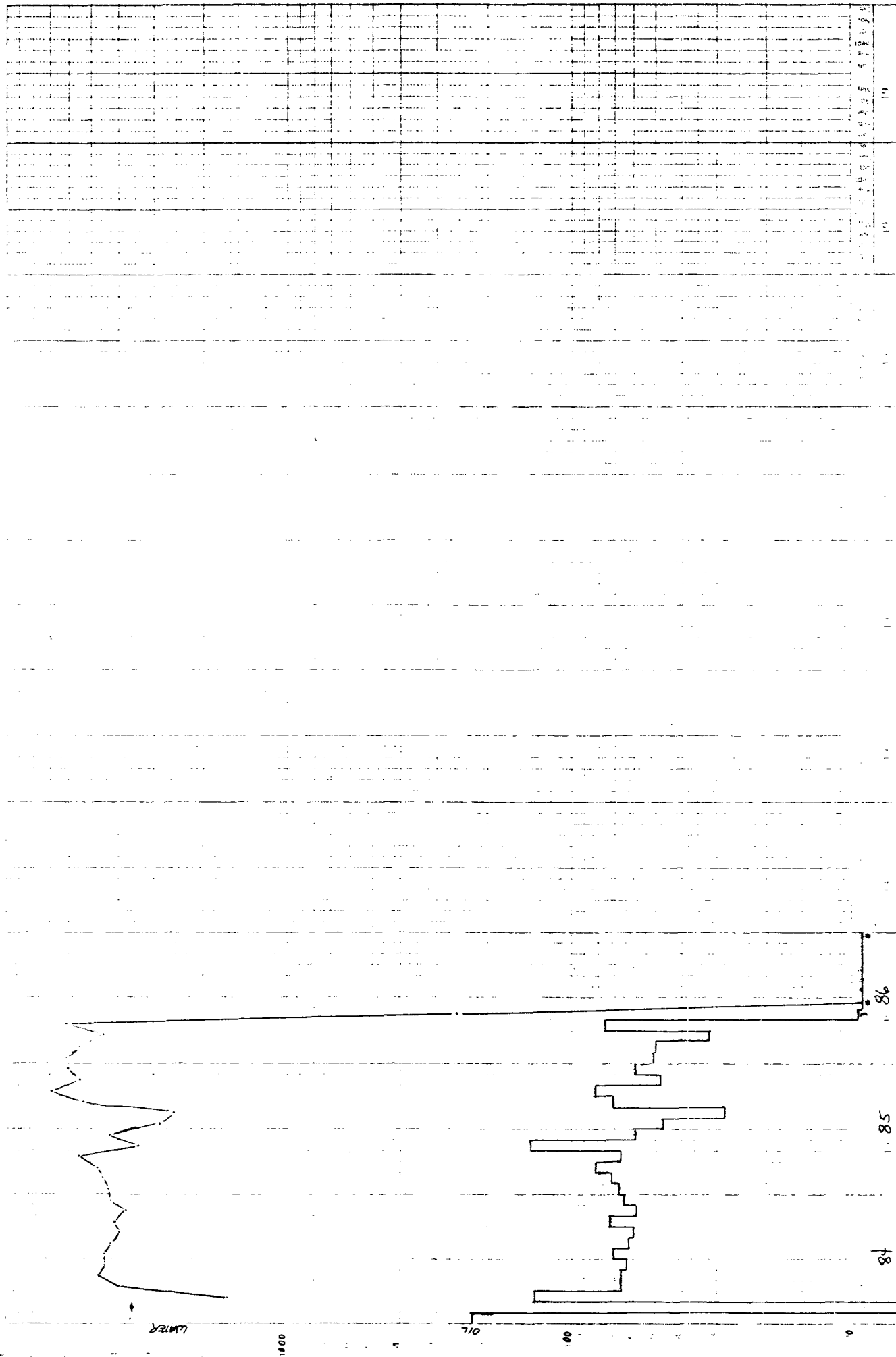
Flying "M" (San An)  
 Flying "M" Unit  
 Tract 1A - RT



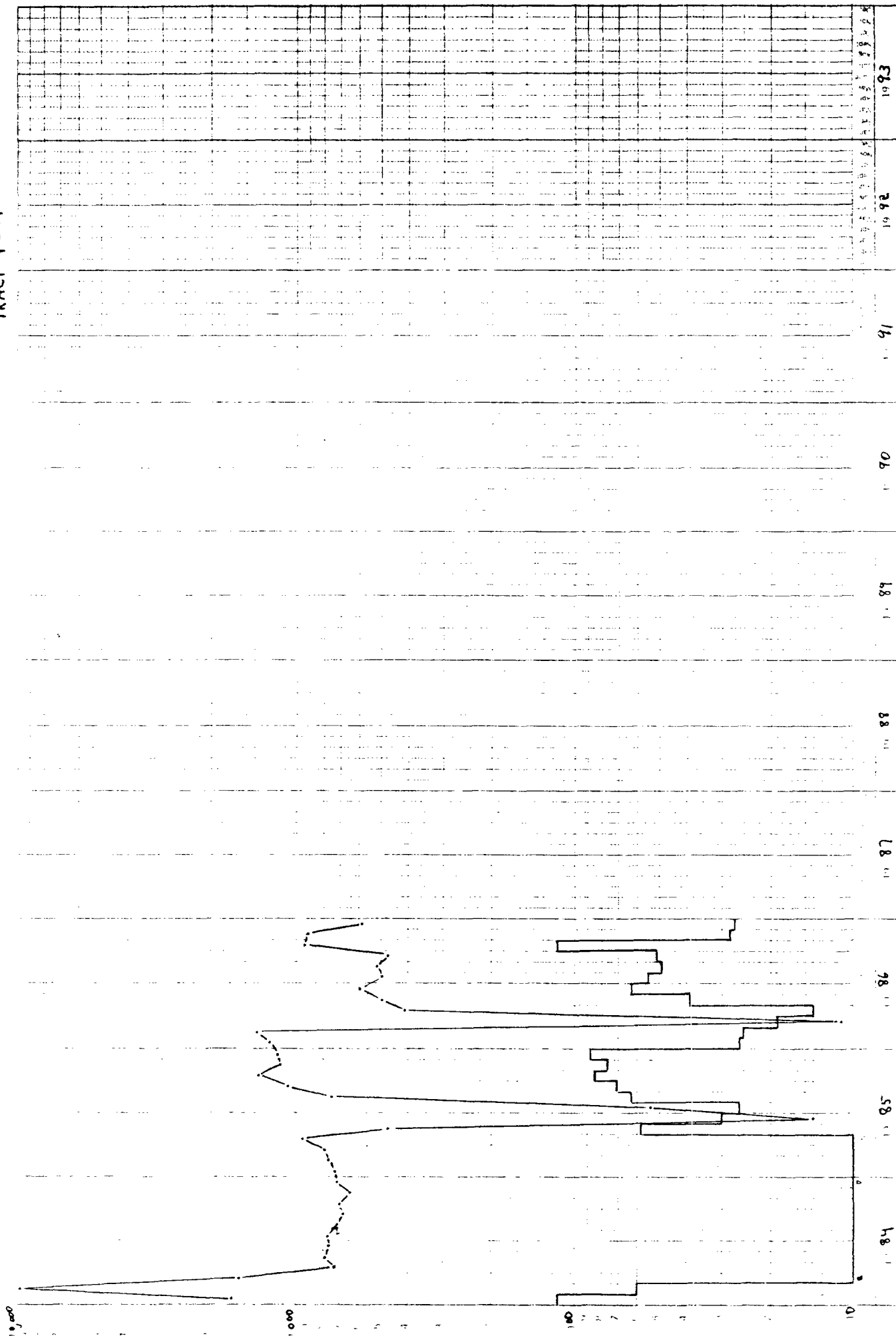
Flying "M" (San Andres)  
 Flying "M" Unit  
 Tract 1A - #9



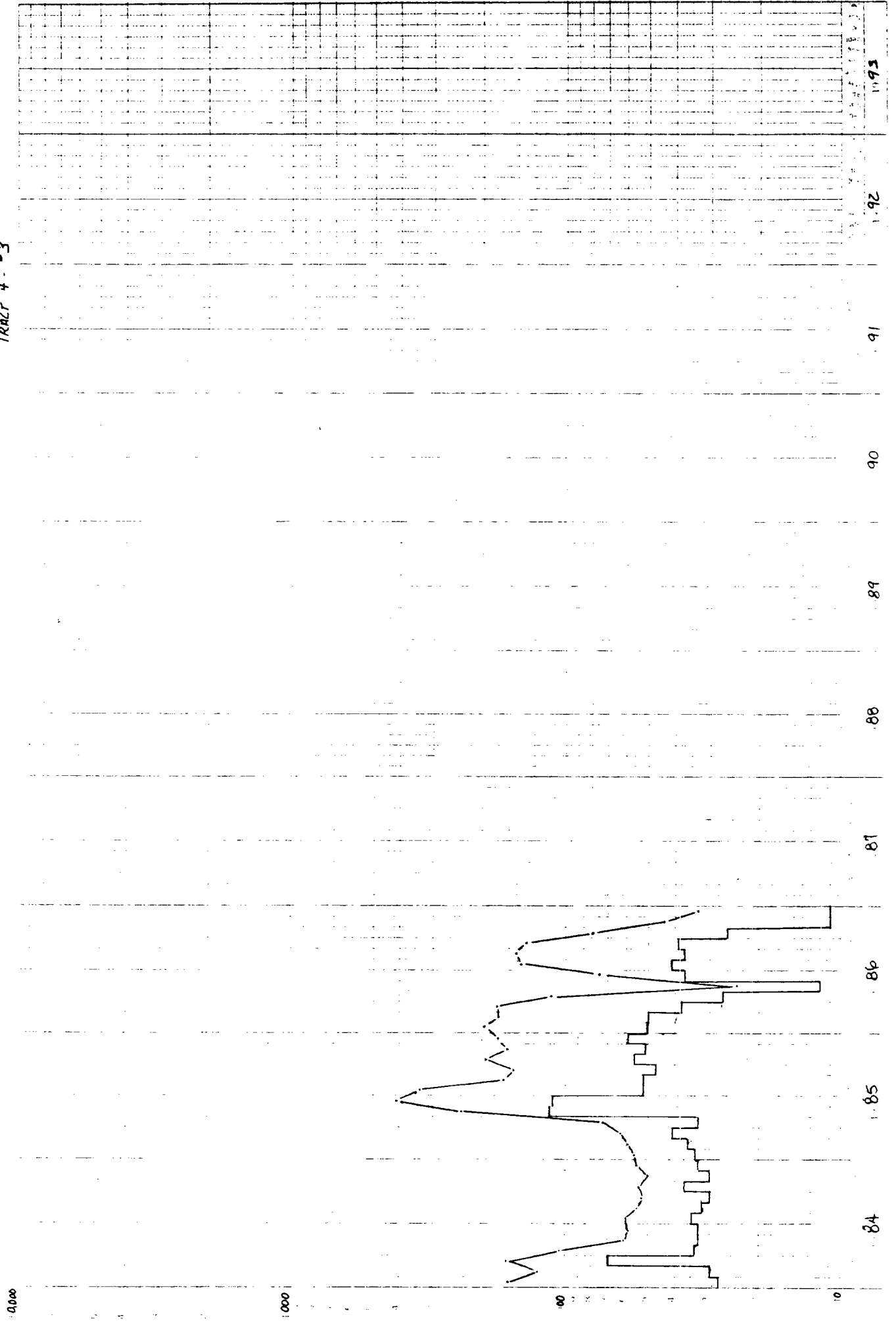
FLYING "M" (SAN ADDRESS)  
FLYING "M" LLNIR  
TRACT 2 #1



FLYING "M" (SAN Andres)  
FLYING "M" UNIT  
TRACT 4 - 01

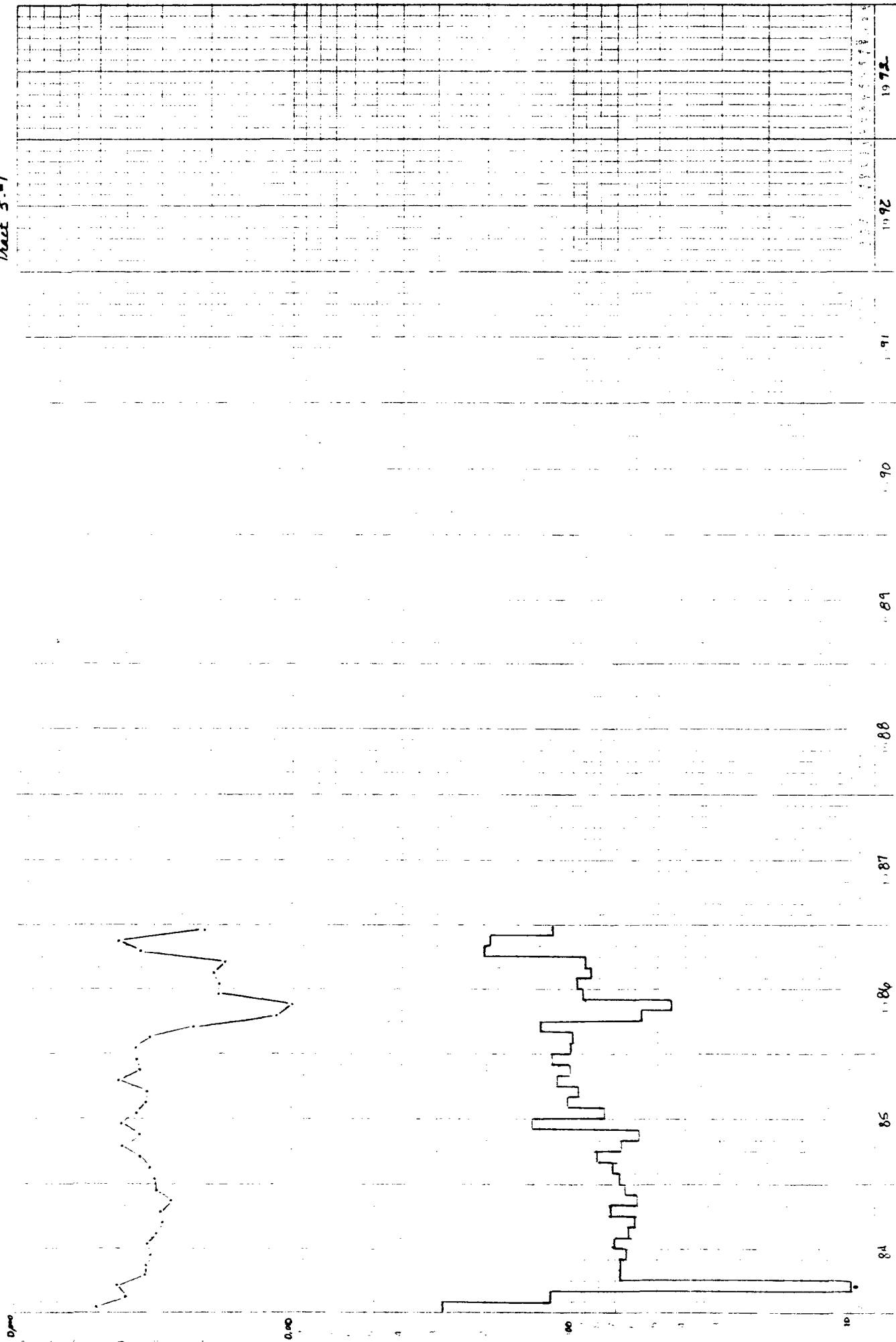


FLYING "m" (SAN ANGELO)  
FLYING "m" UNIT  
TRACT 4 - 23

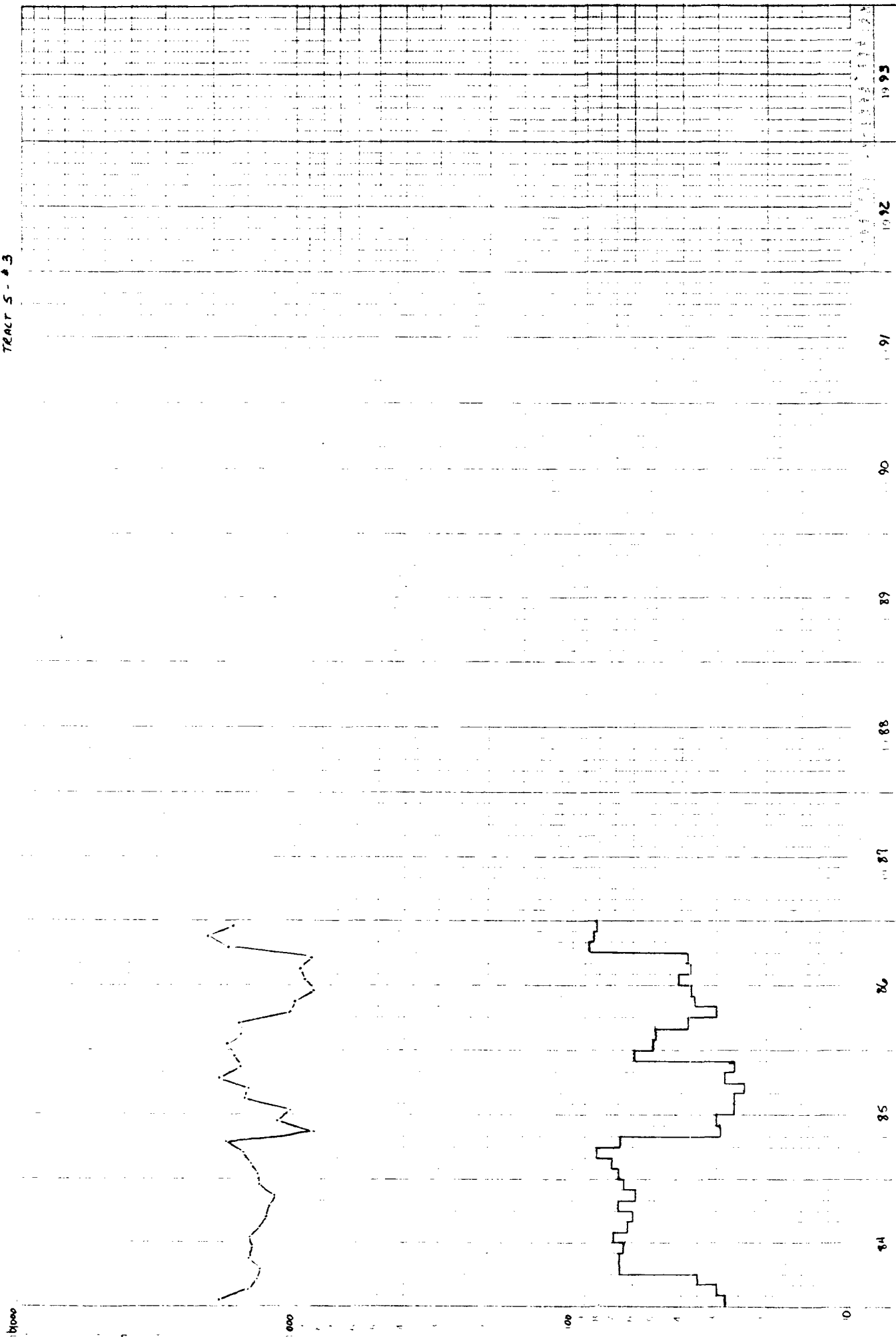




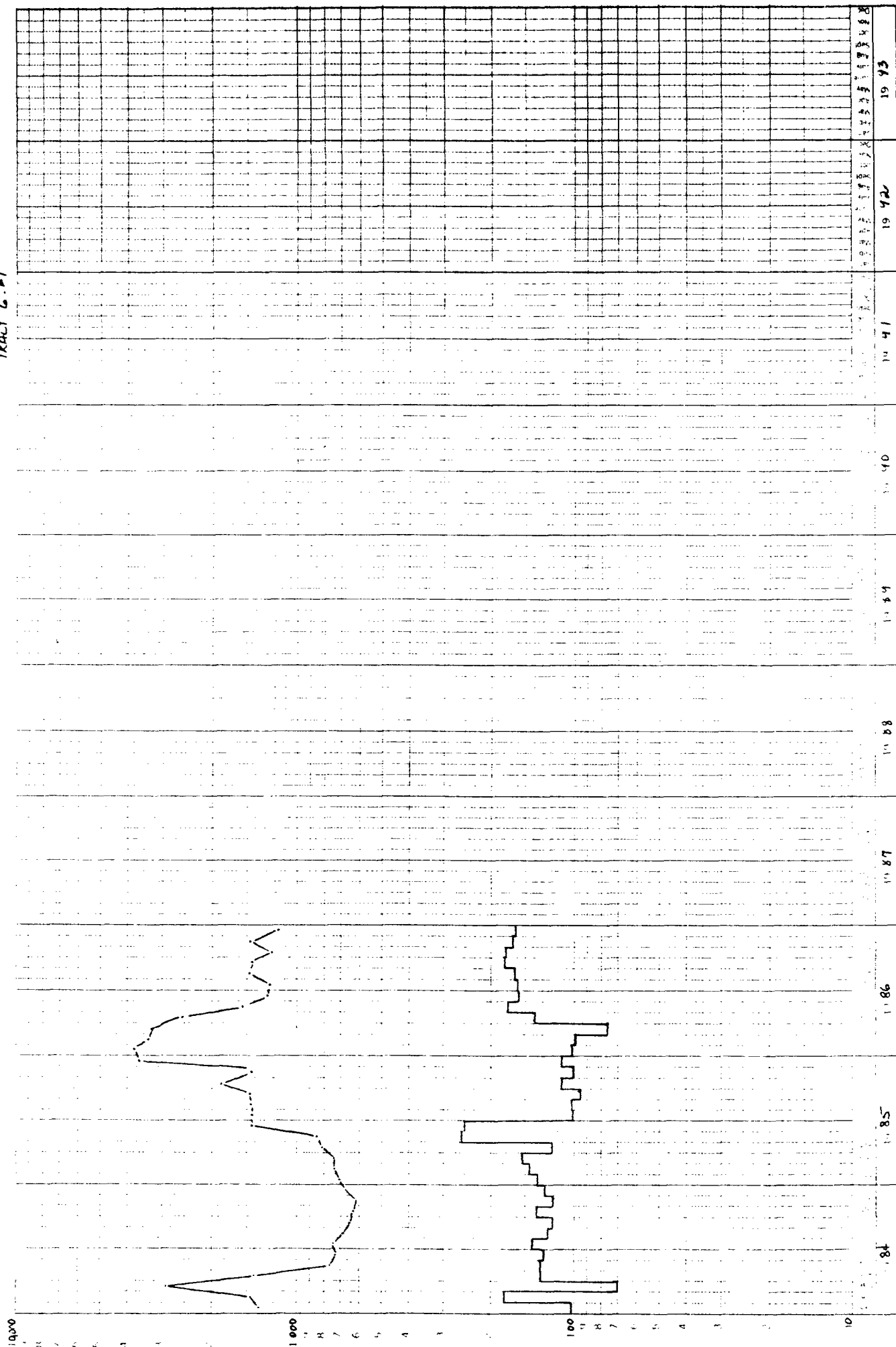
Flying "M" (San Antonio)  
 Flying "M" Unit  
 Tract 5.41



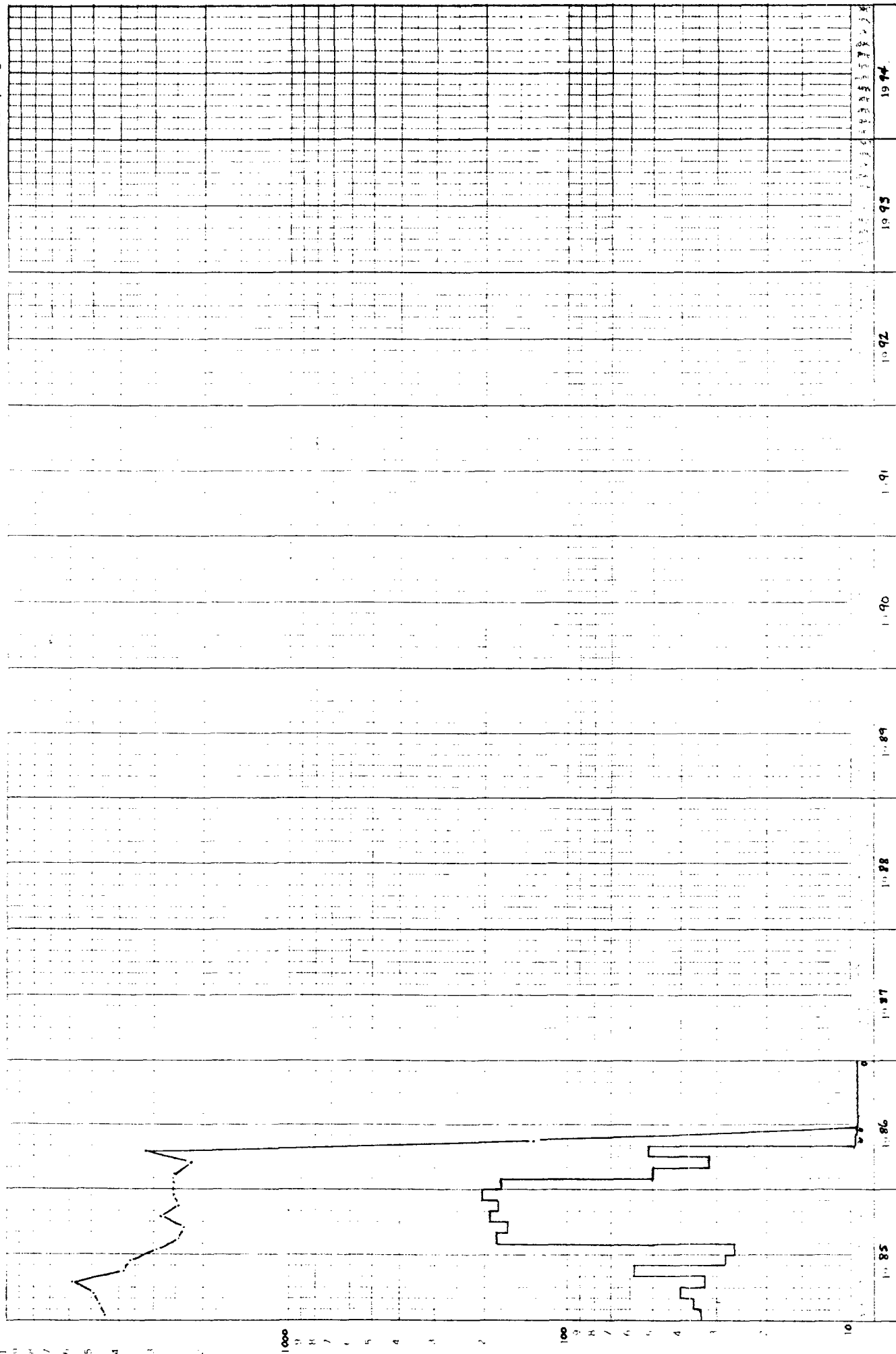
FLYING "M" (Small Area)  
FLYING "M" UNIT  
TRACT S - #3



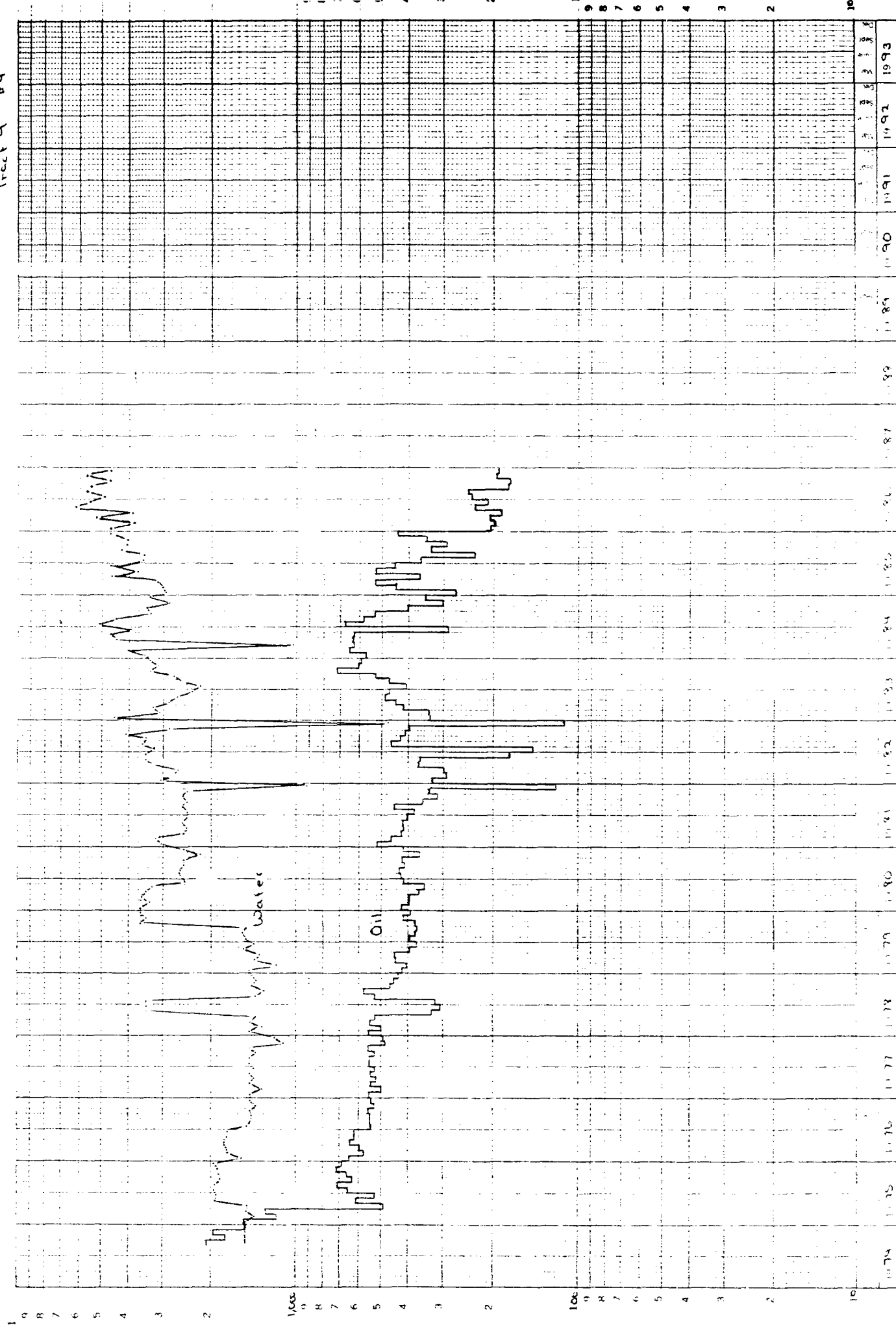
FLYING "M" (San Anzoa)  
 FLYING "M" UNIT  
 TRACT 6.41



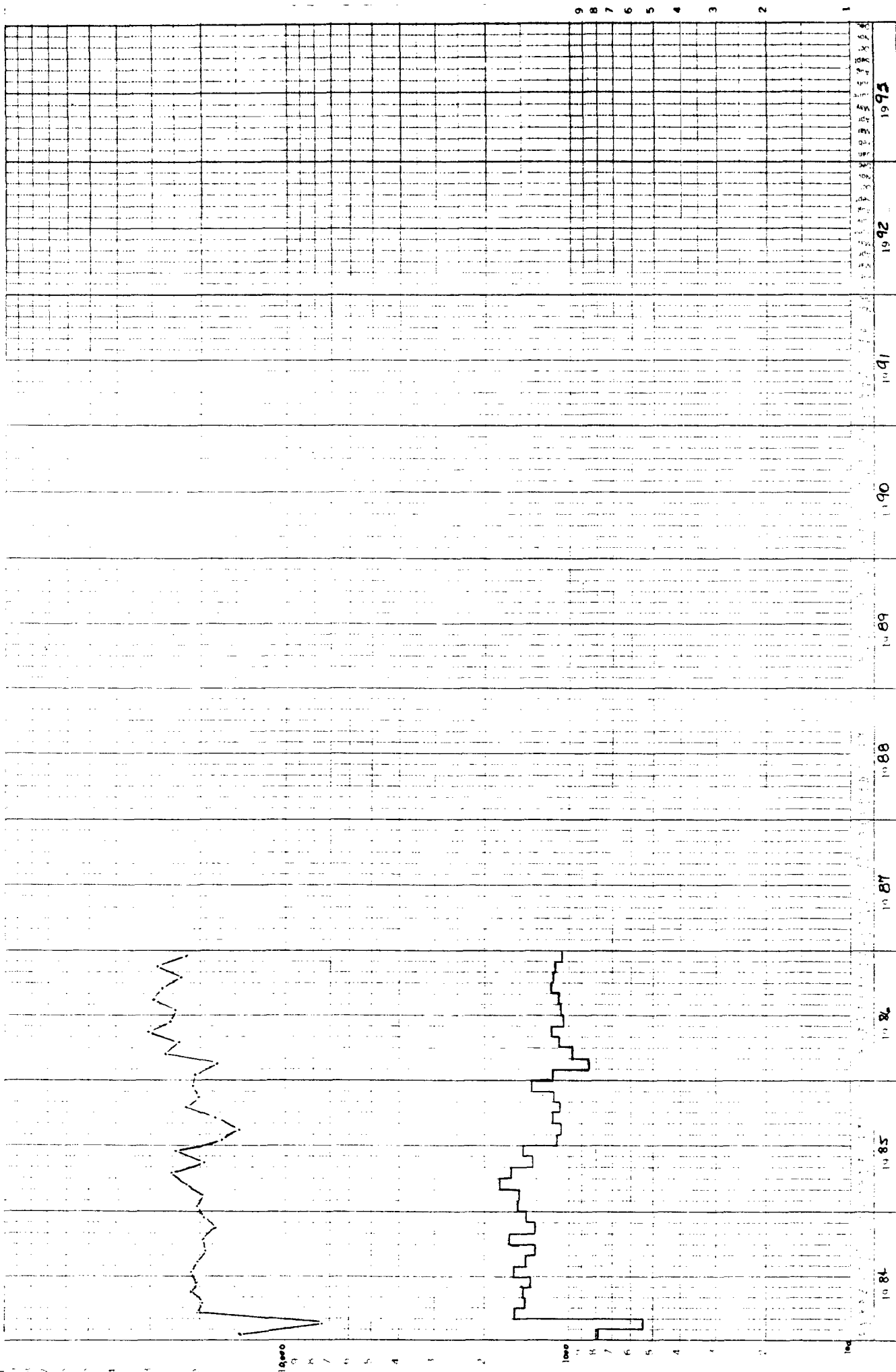
Flying m. (San Ana)  
 Flying m. Unit  
 Trace 9-43



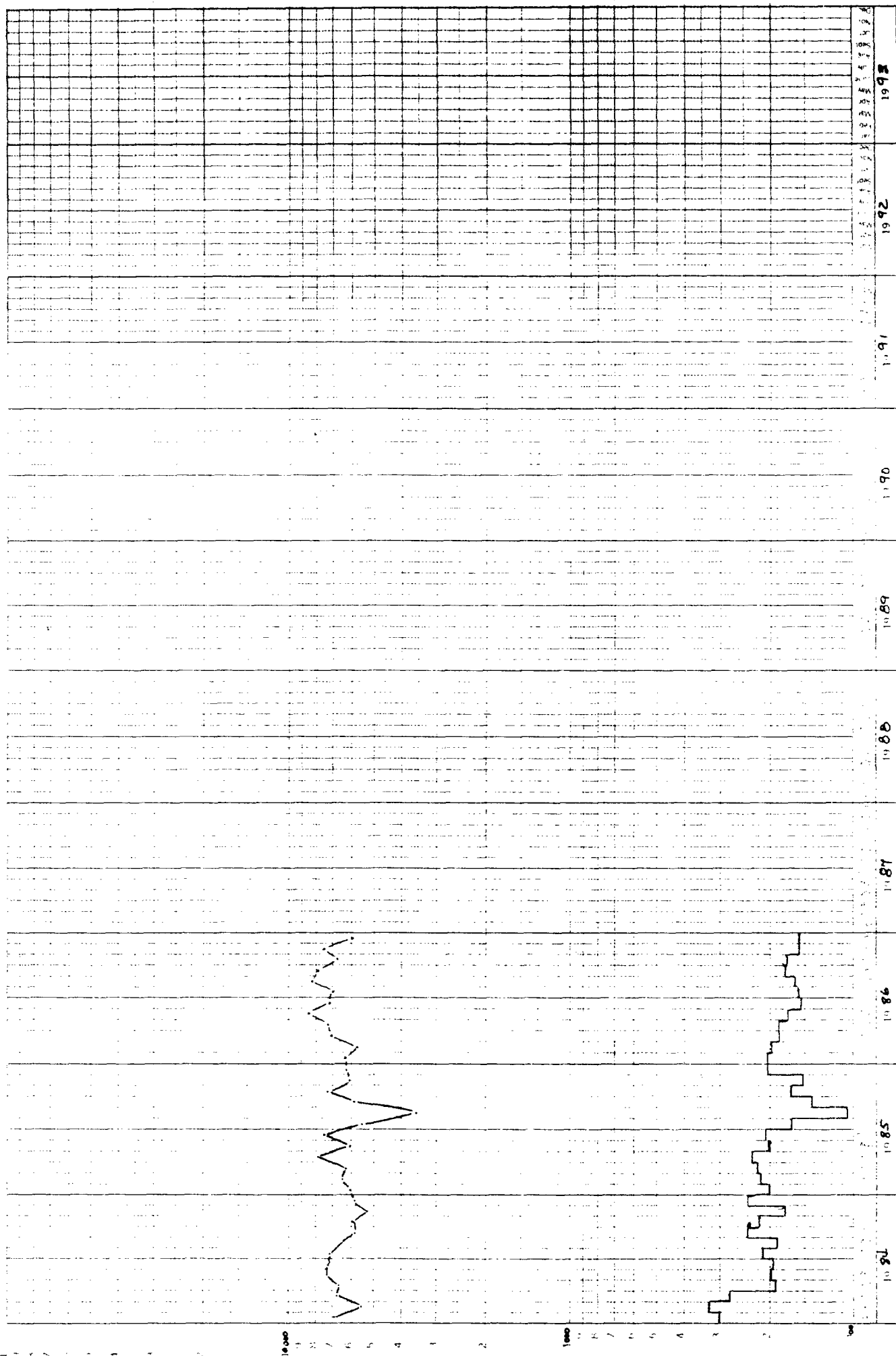
Flying M (San Andres)  
 Flying M Unit  
 Tract 9 #4



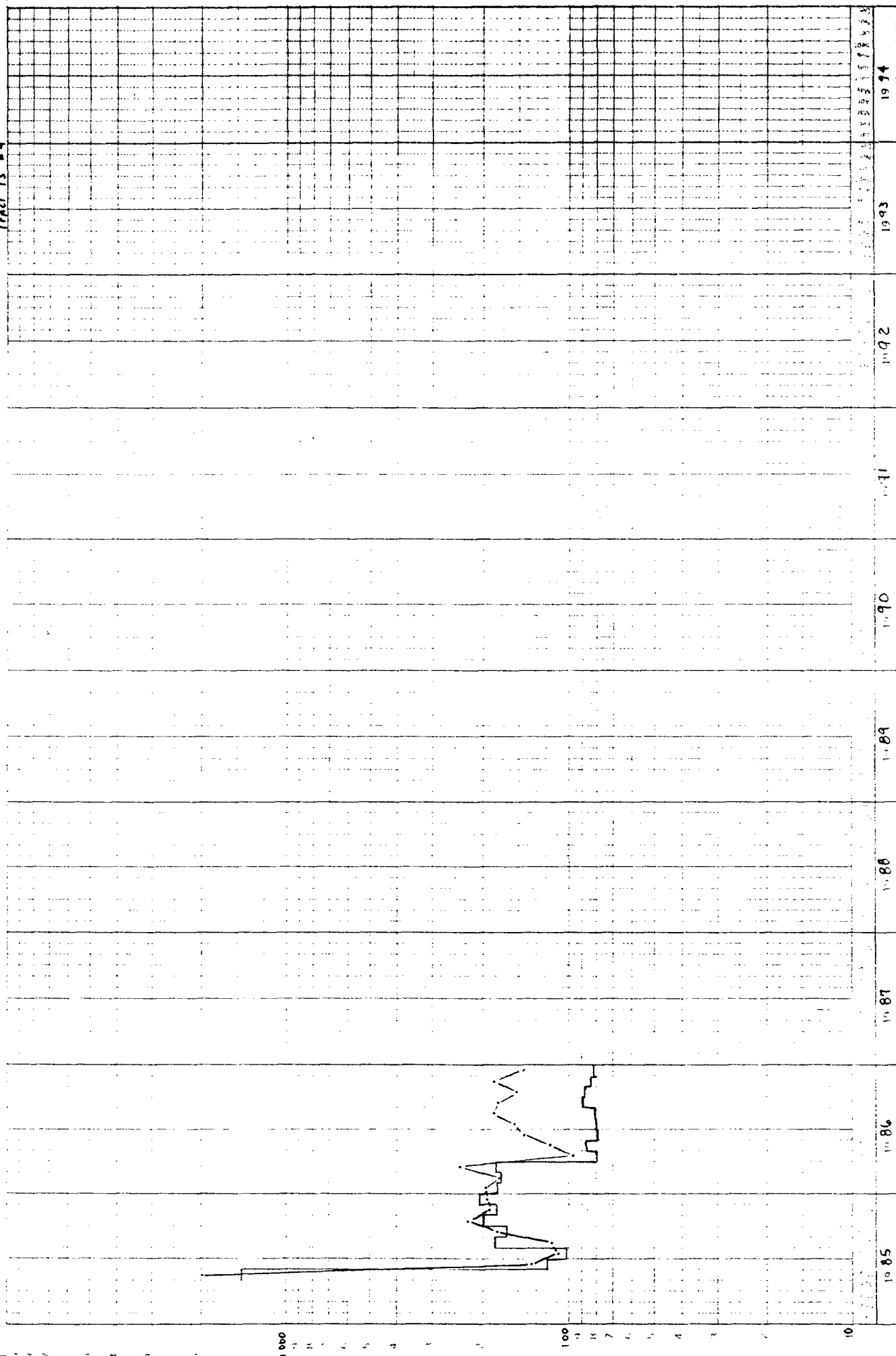
FLYING "M" (San Angeles)  
 FLYING "M" UNIT  
 TEST 13-01



FLYING "M" (San Antonio)  
 FLYING "M" UNIT  
 TRAIL 12-42

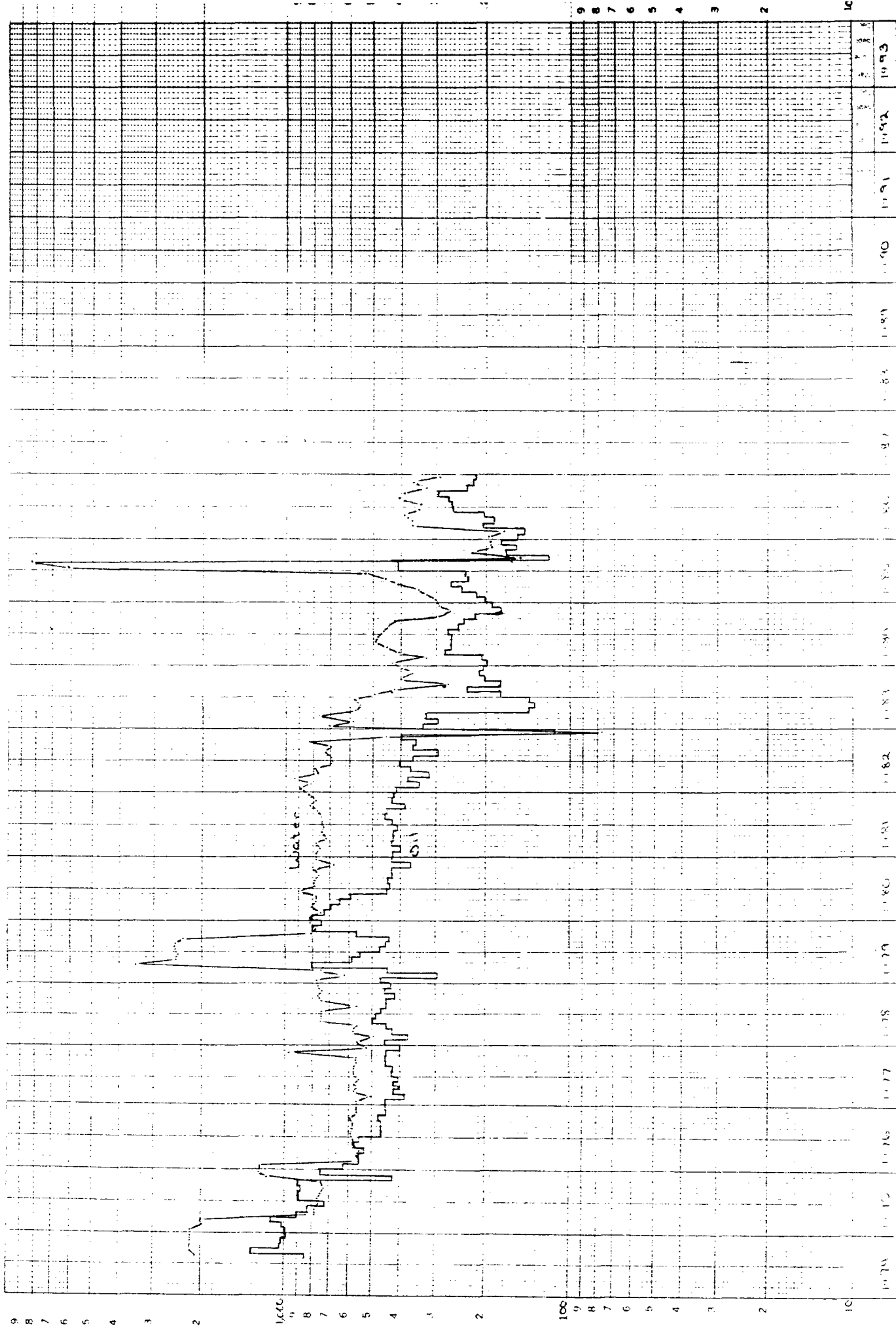


Flying "m" (San Angeles)  
 Flying "m" Unit  
 Tract 13 #4

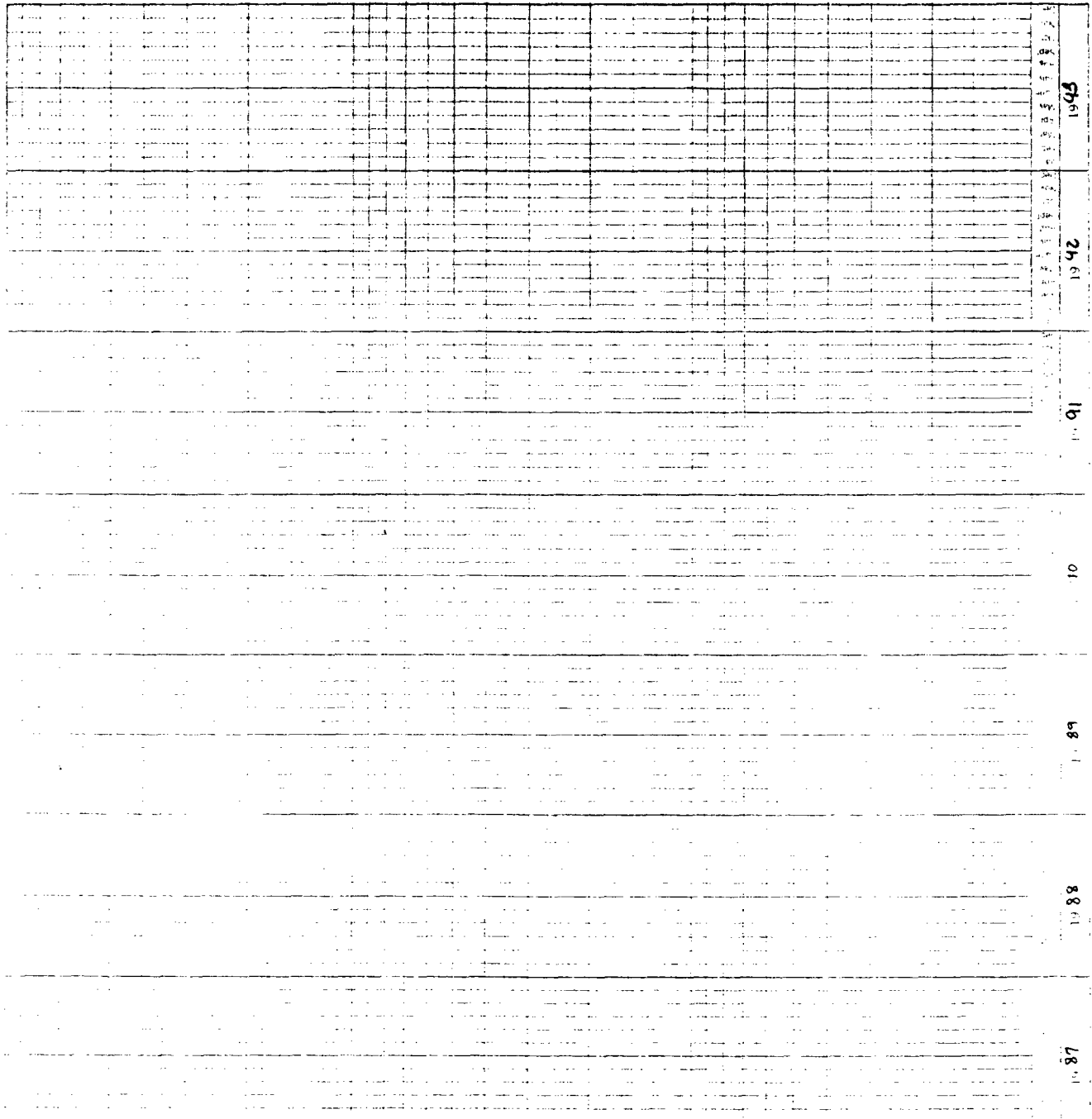
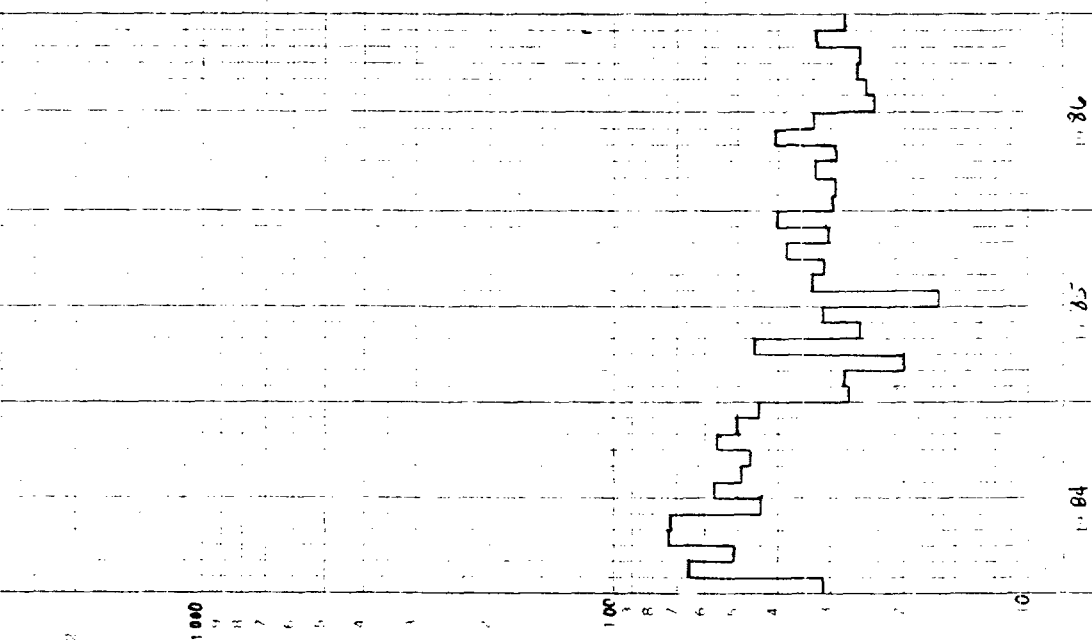
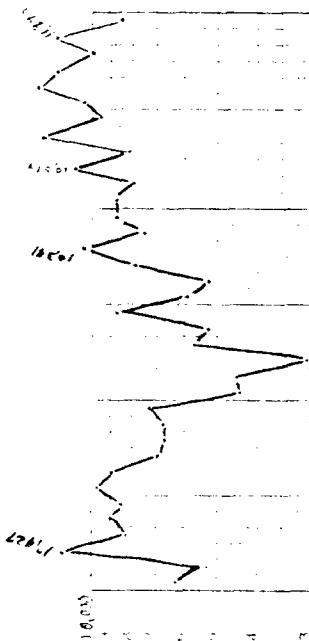




Flying M' (San)  
 Flying M' Unit  
 Tract 14 #5

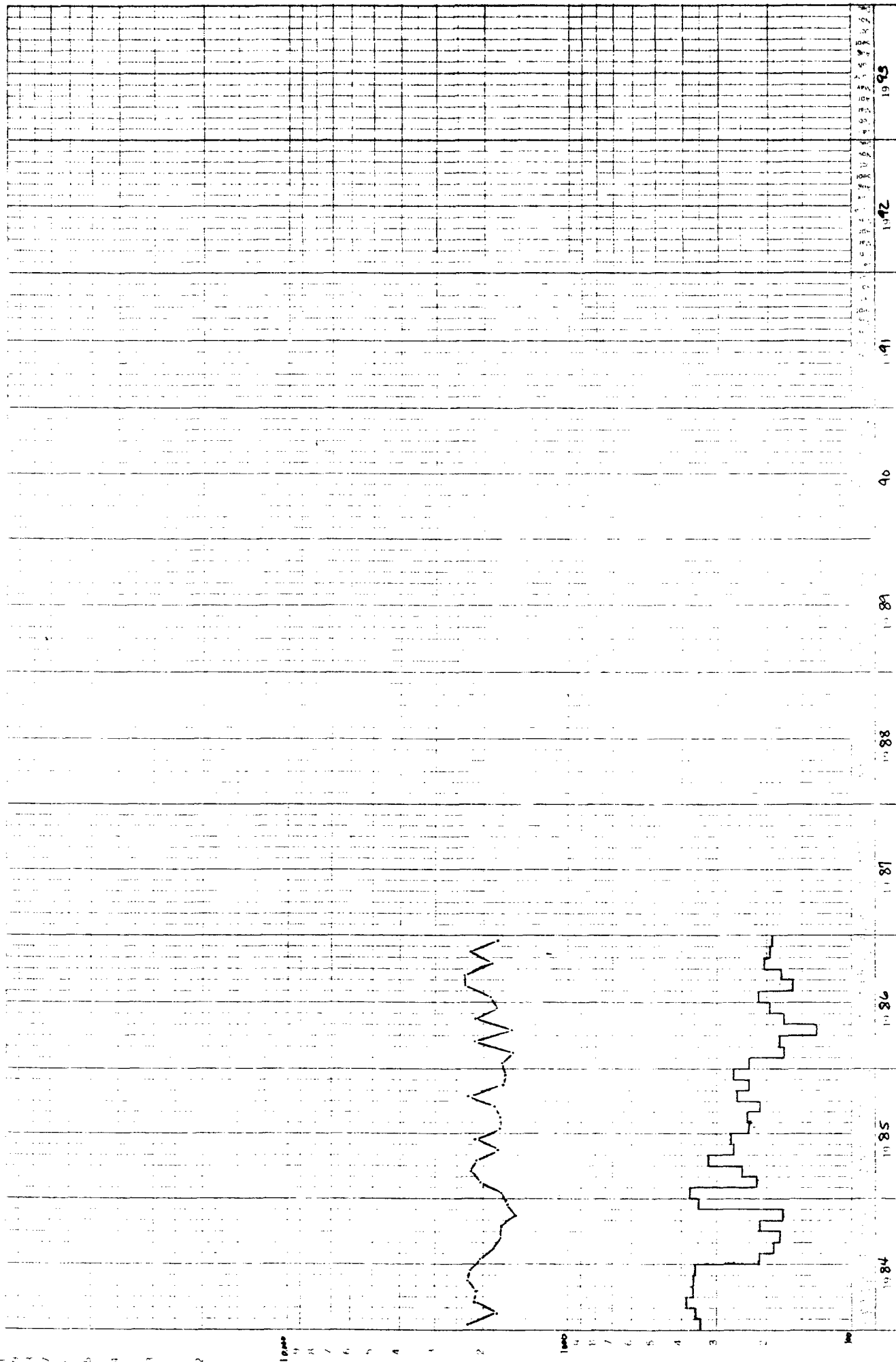


FLYING M. (30)  
FLYING M. Unit  
TRACT 15 #1

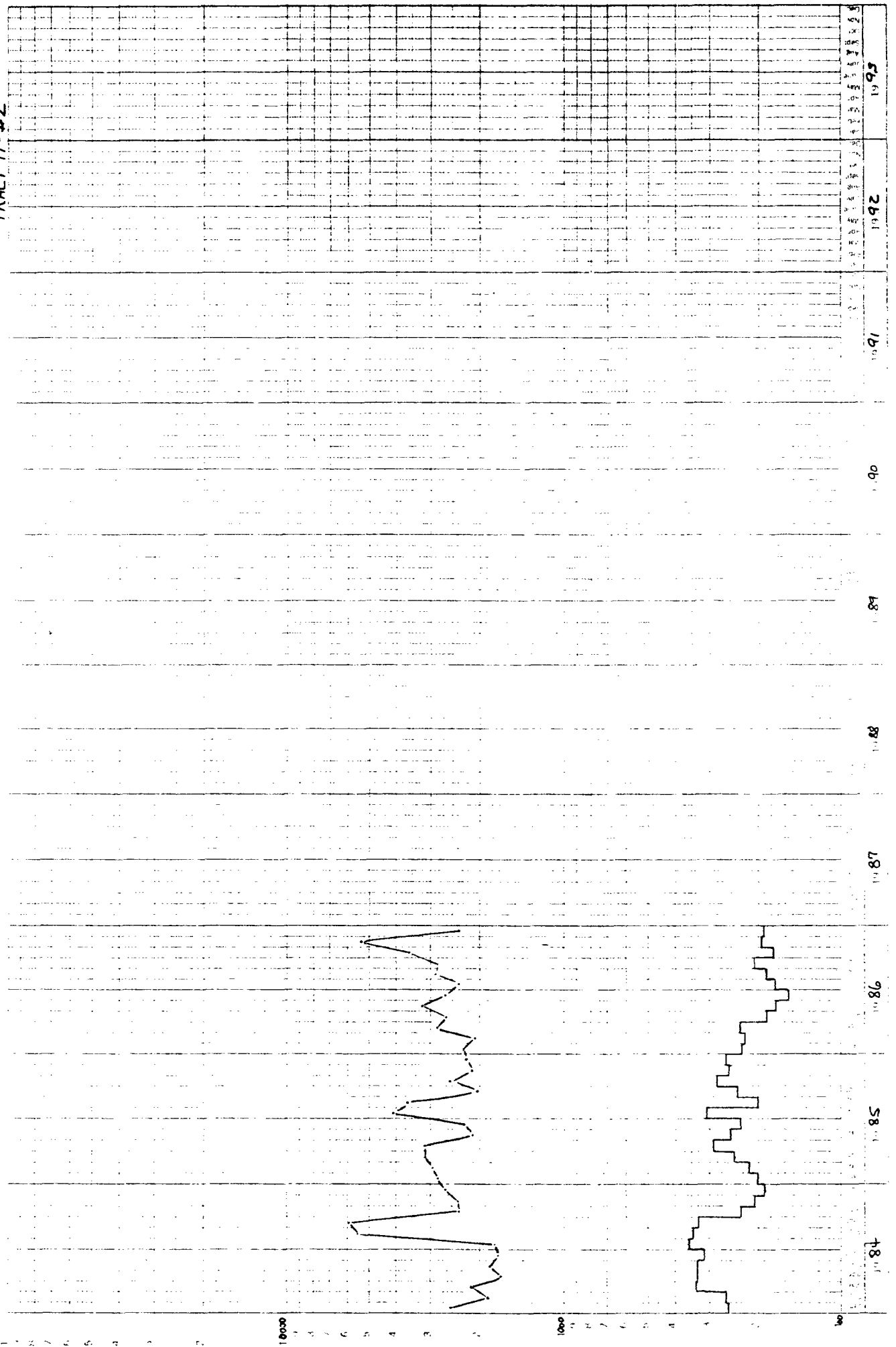


1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993

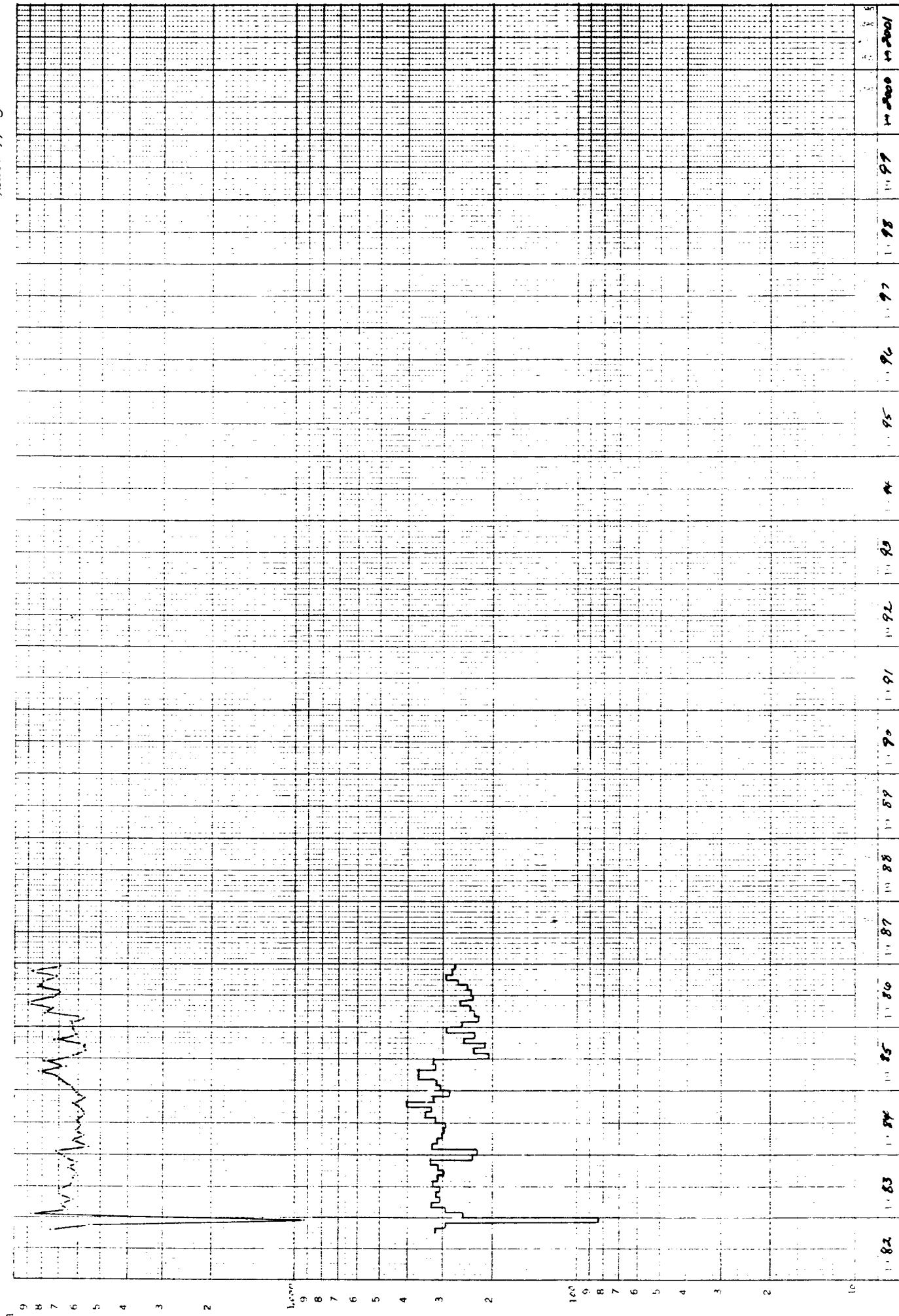
FLYING "M" (Said Anderson)  
FLYING "M" Unit  
TRACT 17-41



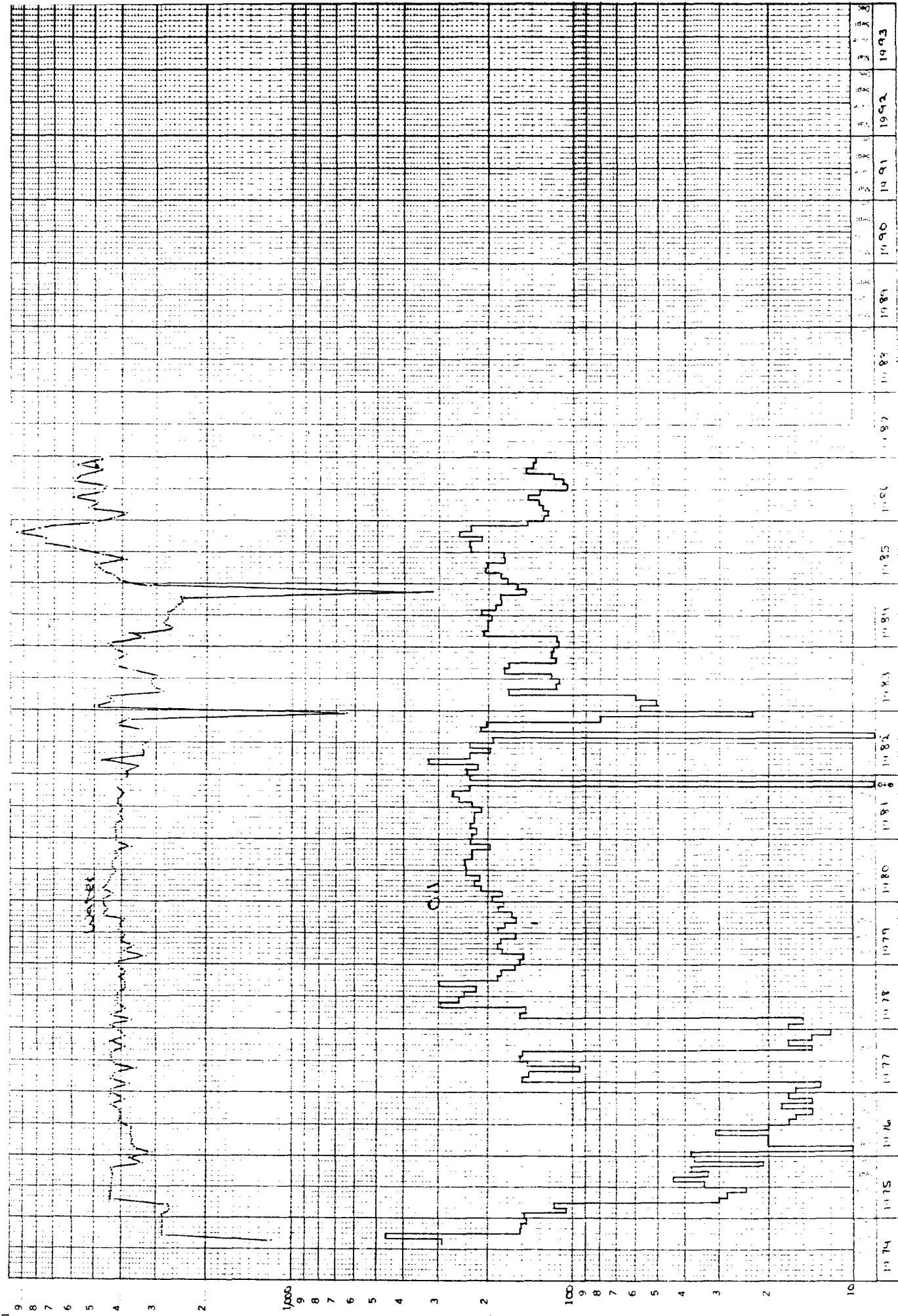
(LYING "M" (SAN ANDRES)  
 FLYING "M" UNIT  
 TRACT 17-#2



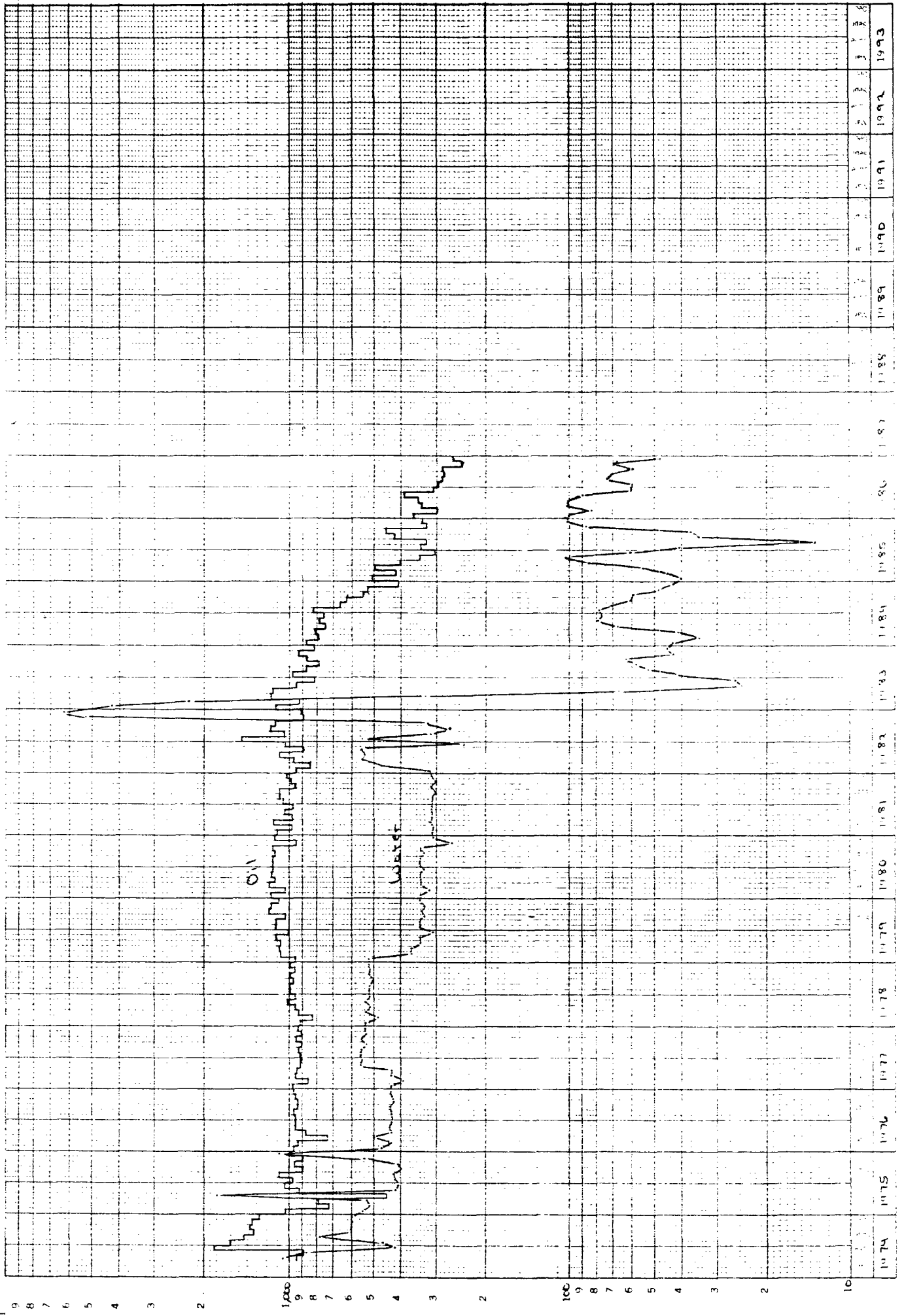
Flying at (Sun Address)  
 Flying at West  
 March 17-23



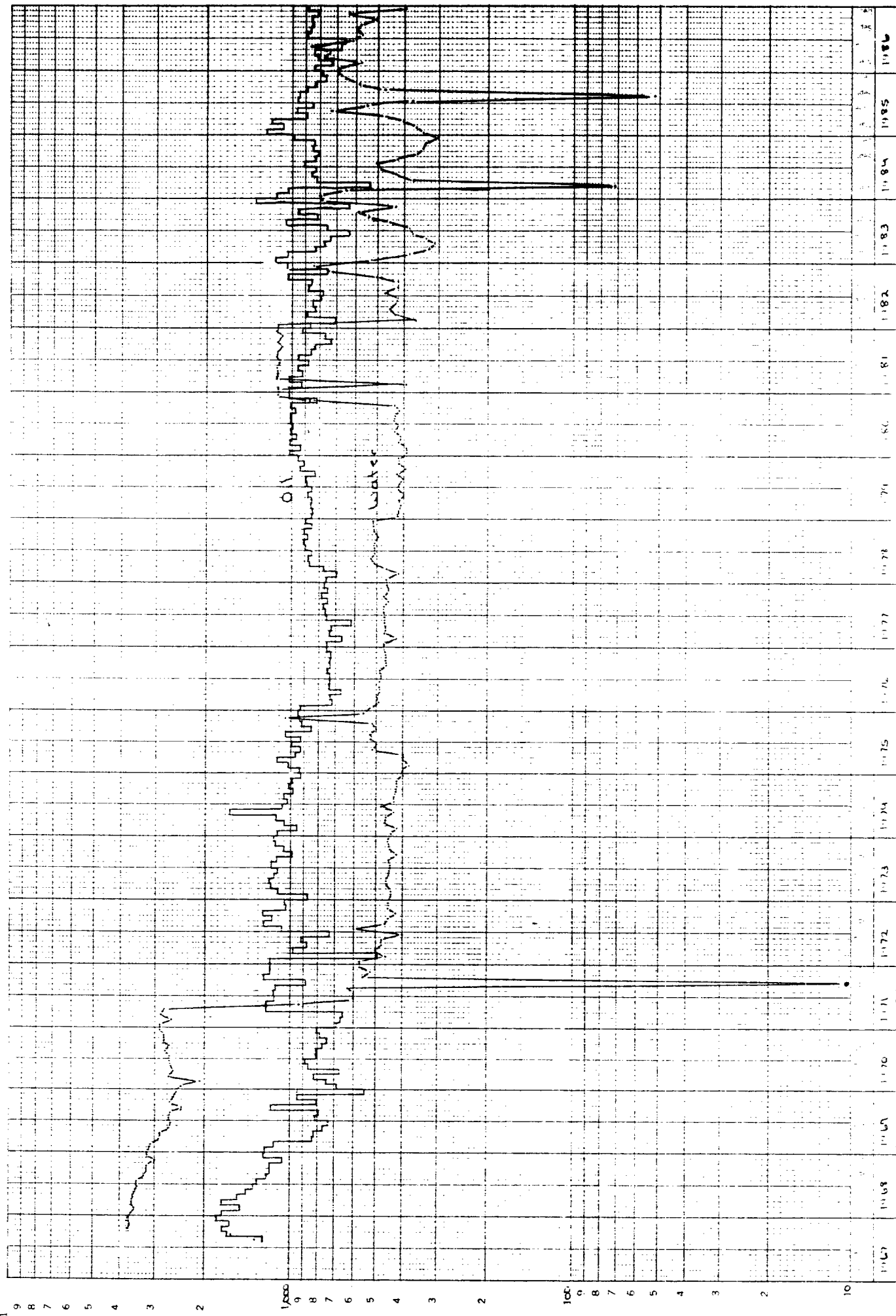
Flying "M" (Sci A)  
 Flying "M" Unit  
 Tract 17 #4



Flying M<sup>1</sup> (San Anito)  
 Flying M<sup>1</sup> Unit  
 Tract 24 #1

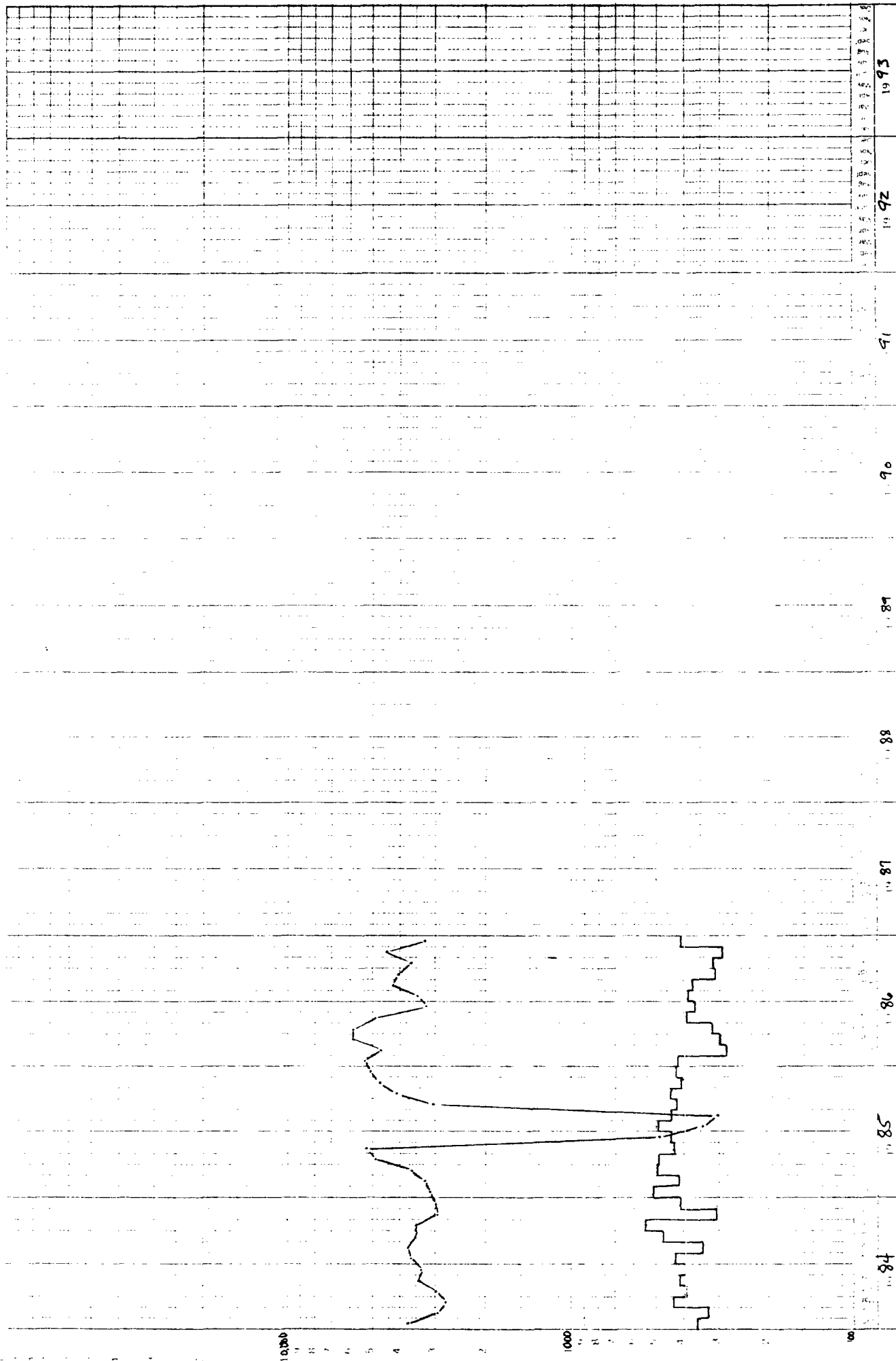


Flying M (San Ande)  
 Flying M Unit  
 Tract 24 #2

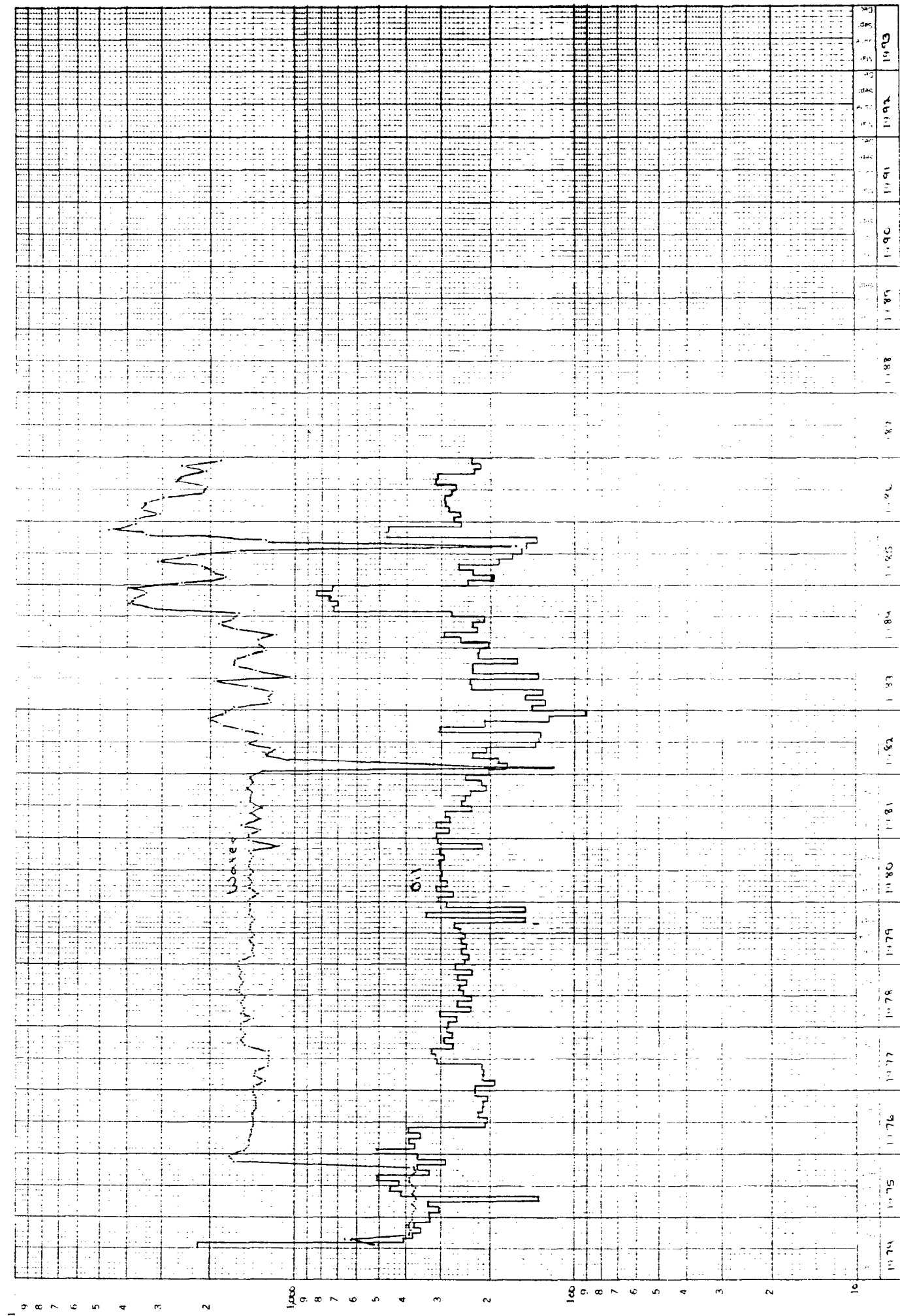




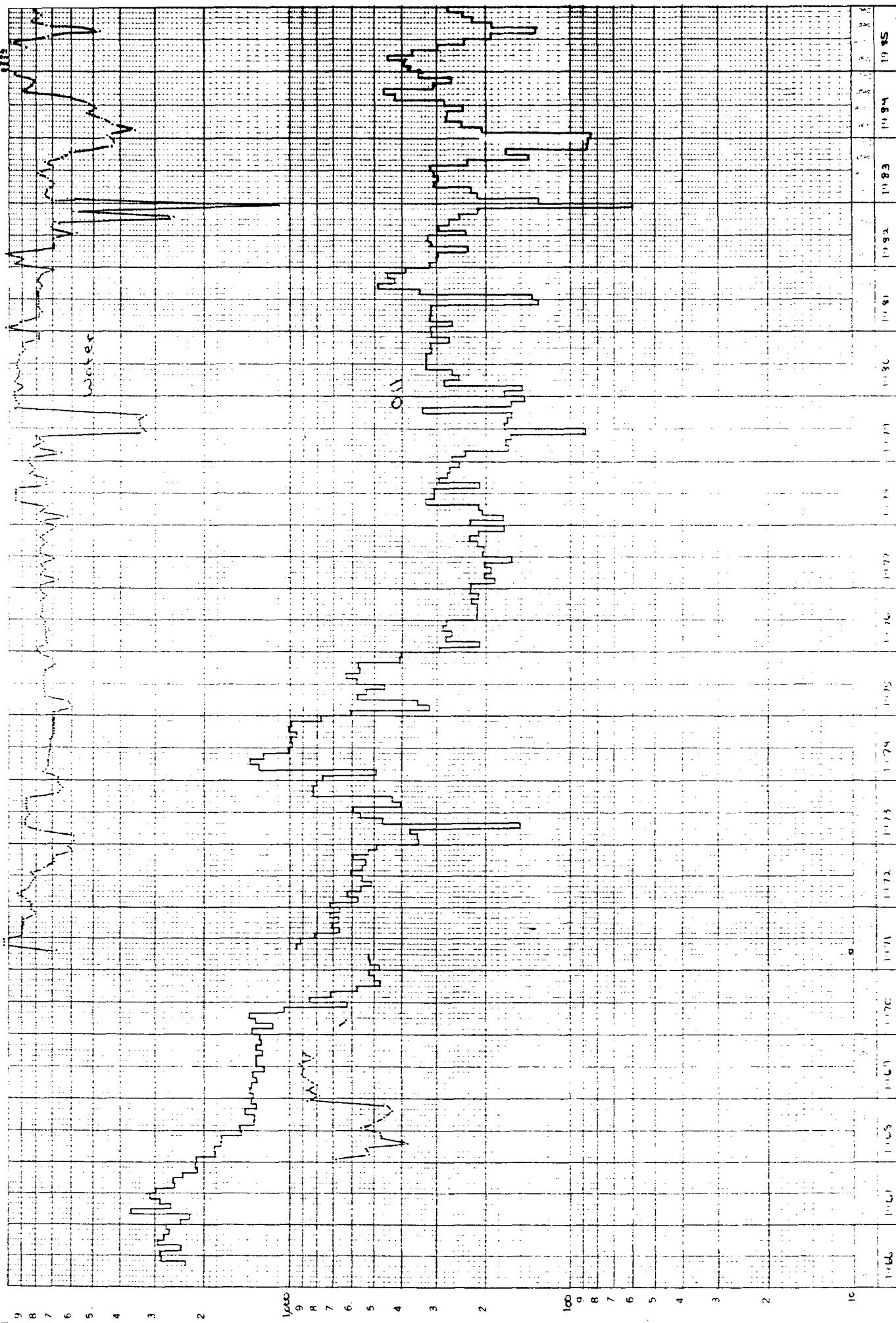
FLYING "M" (San Antonio)  
FLYING "M" UNIT  
TRACT 25 #1



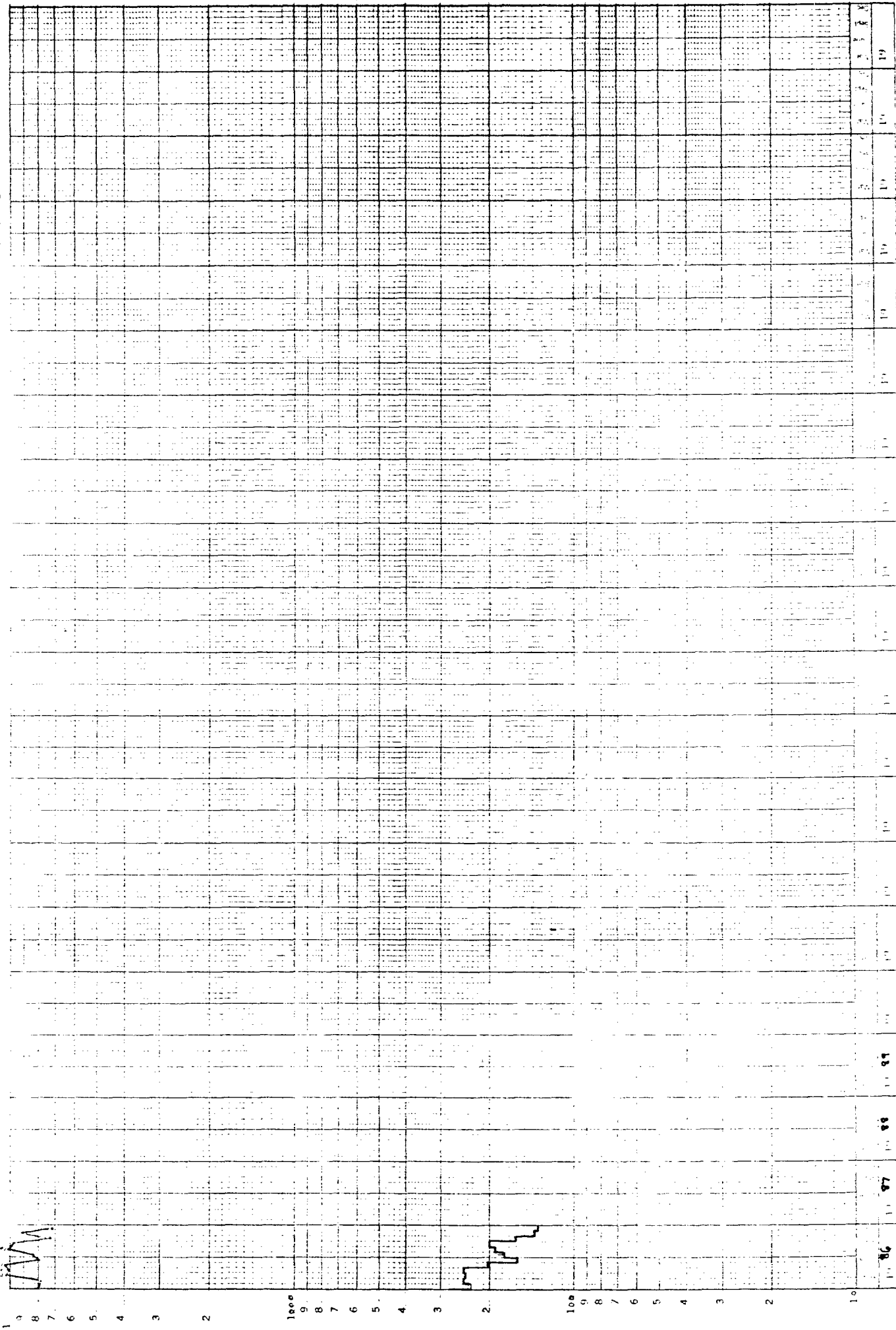
Flying "M" (San Antonio)  
 Flying "M" Unit  
 Tract 25 #5



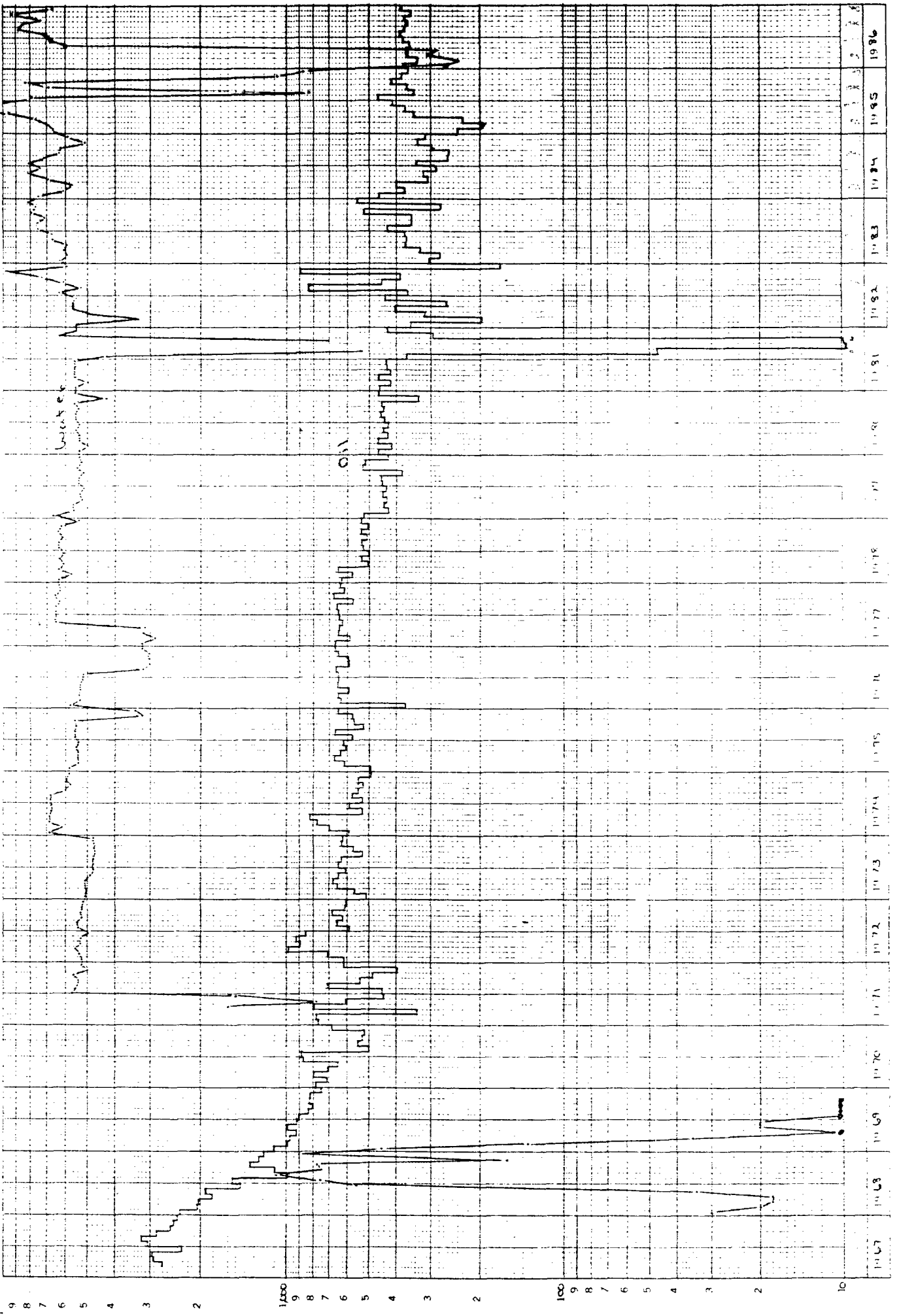
Flying M (San)  
 Flying M Unit  
 Tract 26 A1



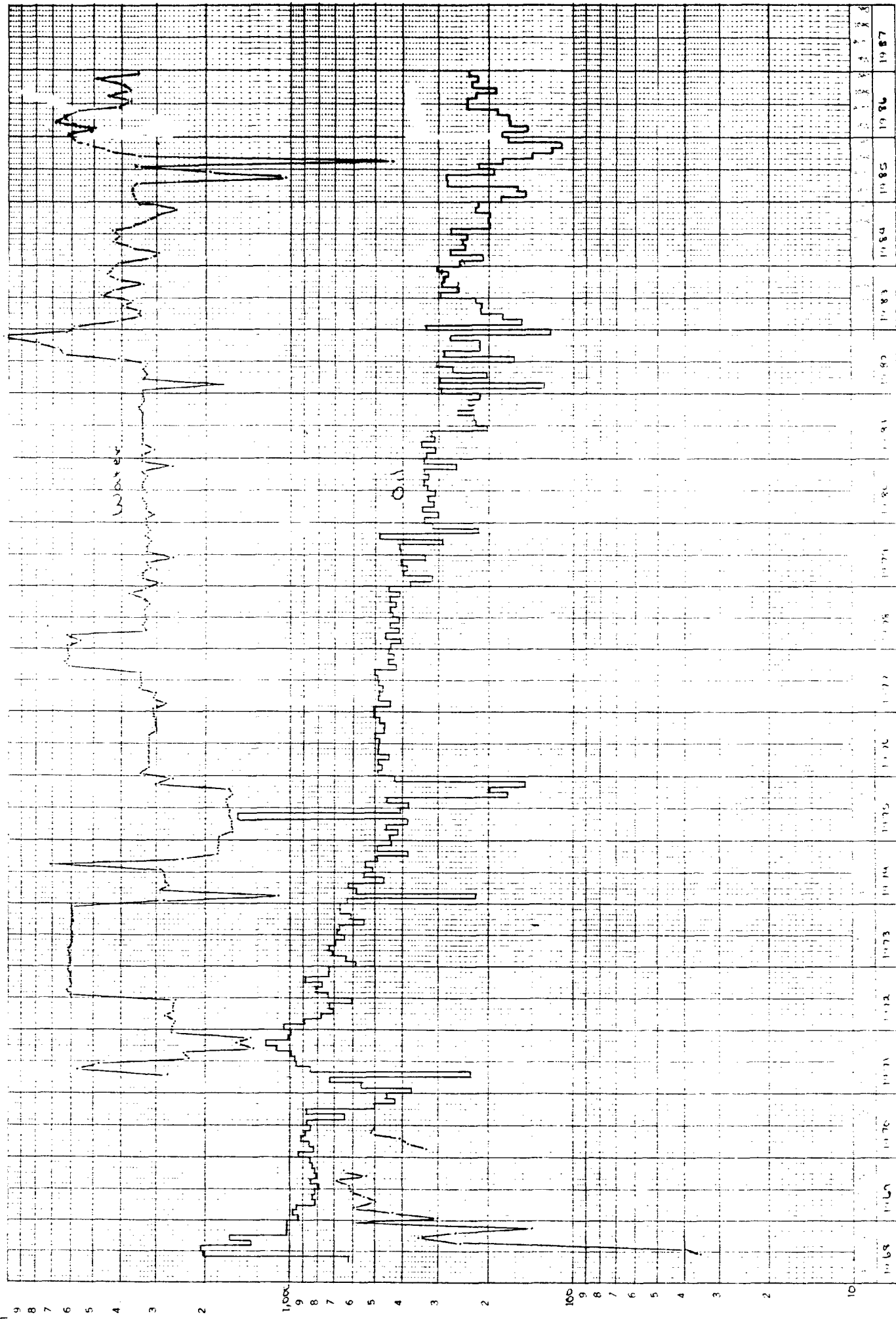
Flying M<sup>2</sup> (San Andreas)  
Flying M<sup>2</sup> Unit  
Tract 26-1



Flying W (San Andre)  
 Flying W Unit  
 Trace #1



Flying M (Sound)  
 Flying M Unit  
 Tract 27 #2



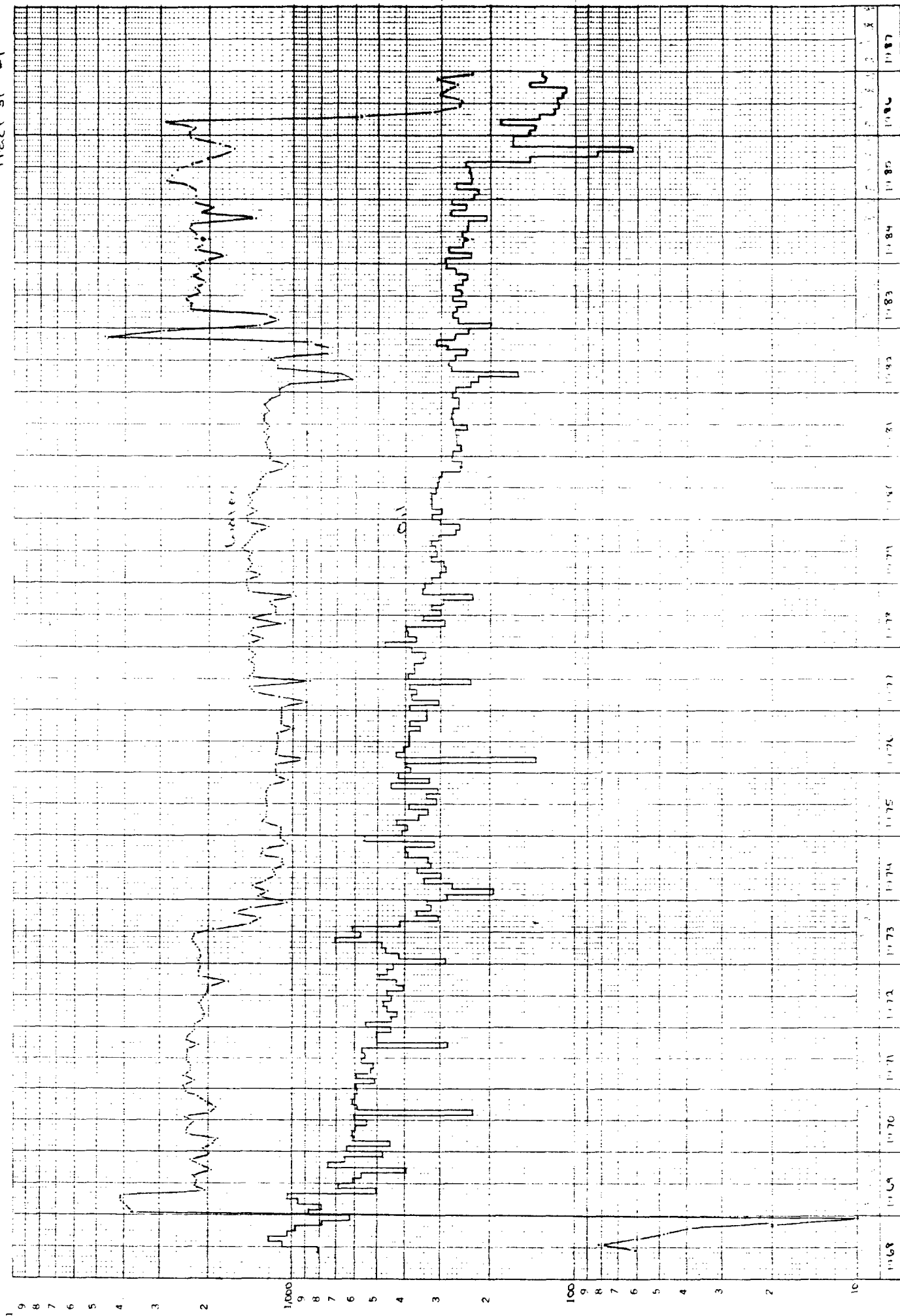
Water

10.67 10.68 10.69 10.70 10.71 10.72 10.73 10.74 10.75 10.76 10.77 10.78 10.79 10.80 10.81 10.82 10.83 10.84 10.85 10.86

2 3 4 5 6 7 8 9 100

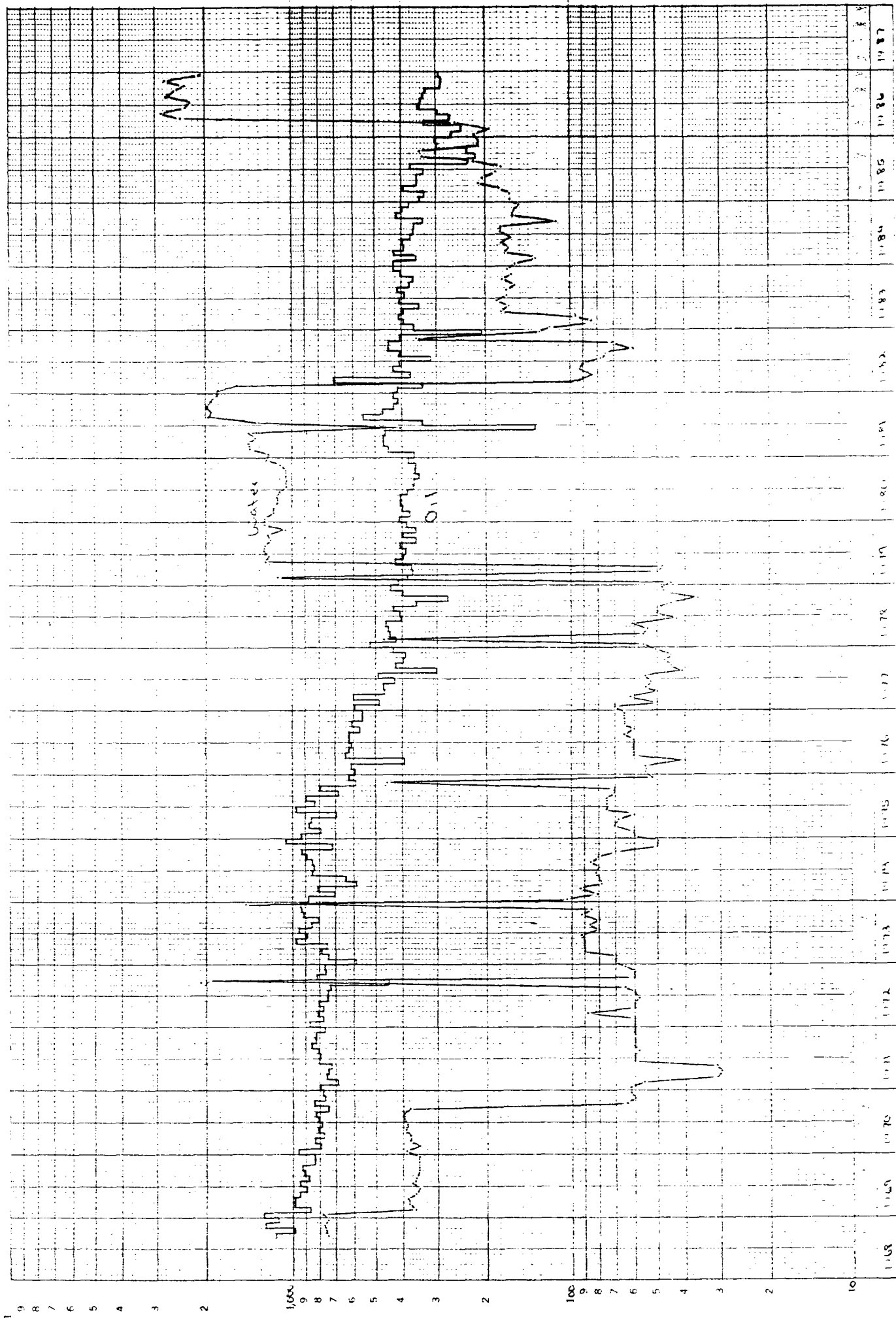
2 3 4 5 6 7 8 9 10

Flying M' (San And.)  
 Flying M' Unit  
 Tract 31 #1

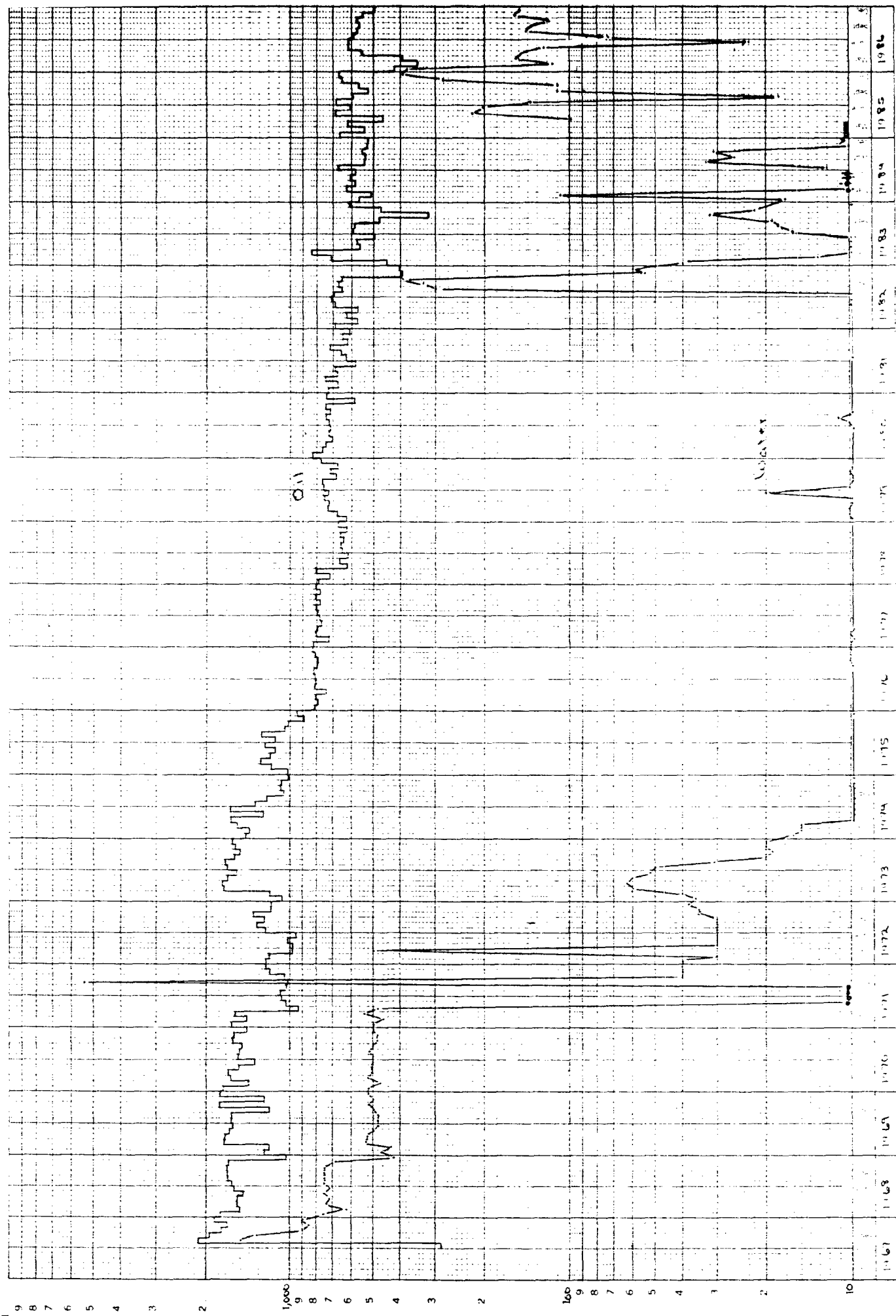




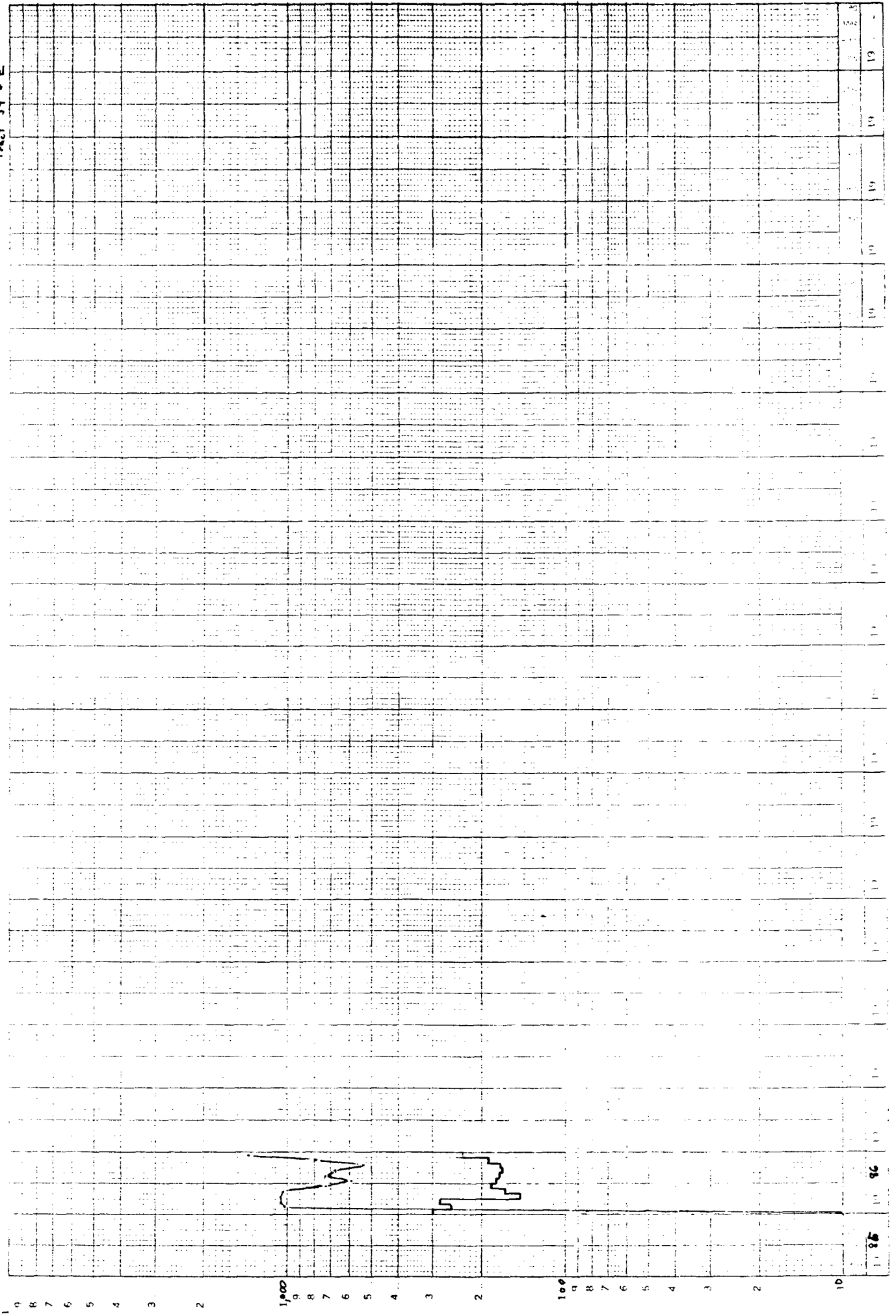
Flying M. (Sand and  
 Flying M. Unit  
 Tract 32 #1

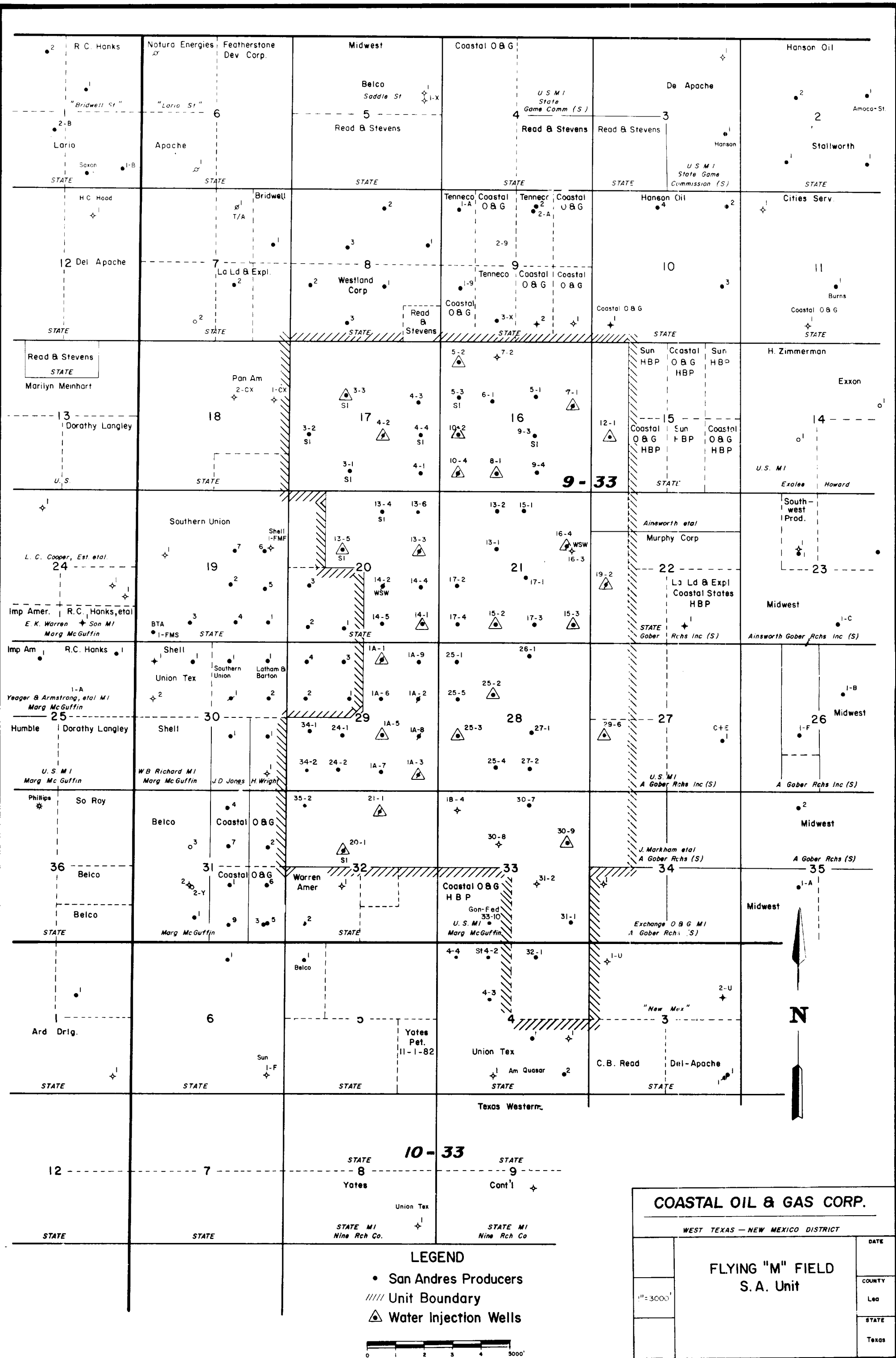


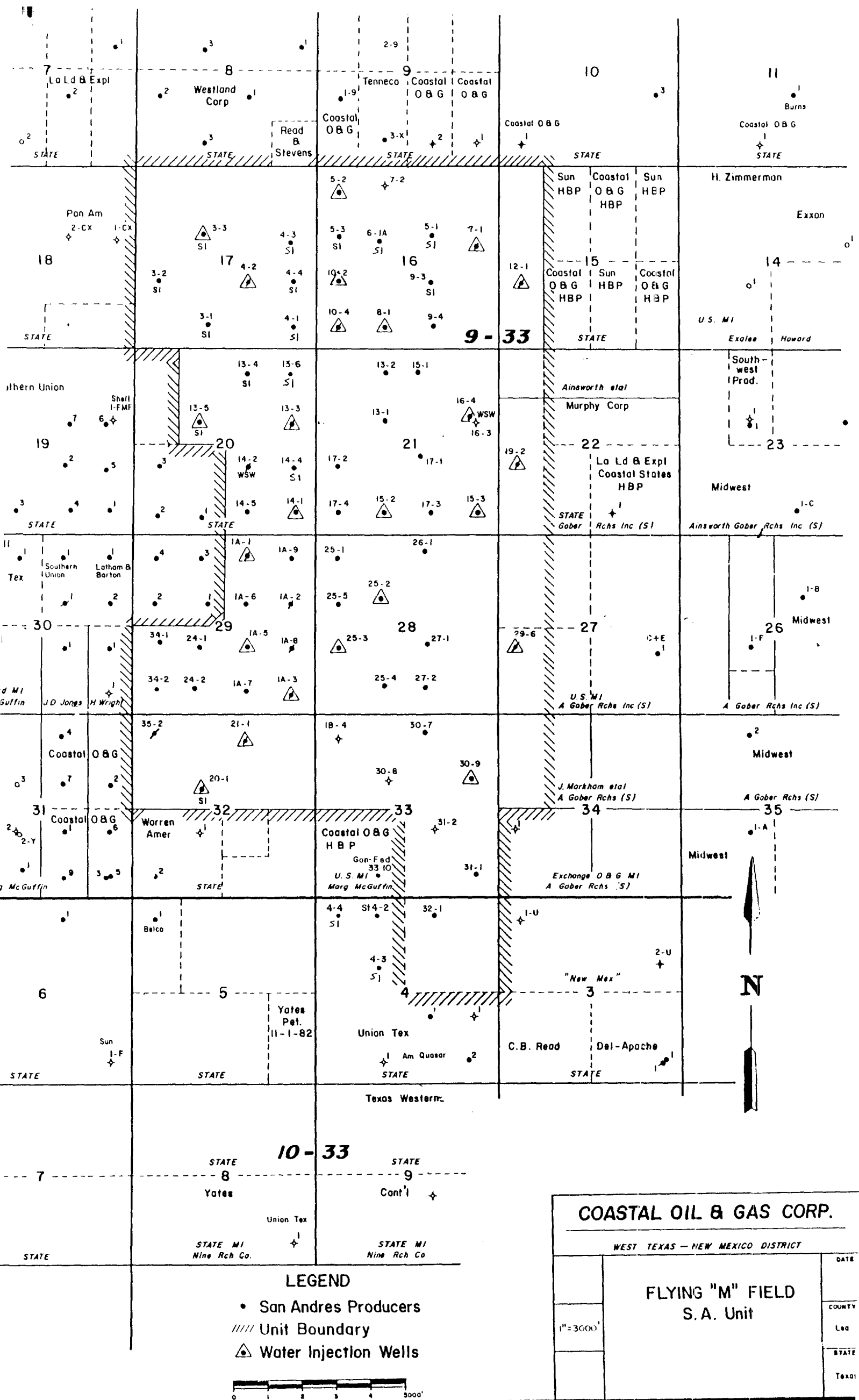
Flying M' (50)  
 Flying M' Unit  
 Tract 34 #1



Flying M (San Antonio)  
Flying M Unit  
Tract 34 & 2









UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASHINGTON 25, D. C.

IN REPLY REFER TO:

970 Nov 12 1970

554

Coastal States Gas Producing Company  
c/o Hinkle, Bondurant, Cox & Eaton  
Post Office Box 10  
Roswell, New Mexico 88201

NOV 2 - 1970

Attention: Mr. Clarence E. Hinkle

Gentlemen:

Your application of October 1, 1970, filed with the Oil and Gas Supervisor, Roswell, New Mexico, requests preliminary approval of a proposed expansion of the Flying "M" San Andres unit area, Lea County, New Mexico, and approval of the proposed basis of participation for the commitment of currently noncommitted tracts within the unit area.

The lands proposed for addition to the unit area consist of 240 acres of Federal land, 239.48 acres of State of New Mexico land, and 400 acres of fee land. The expansion will increase the unit area from 4,240.00 acres to 5,119.48 acres. All tracts included in the proposed addition contain lands indicated by available geologic information to be within the productive limits of the San Andres reservoir. The inclusion of these tracts in the unit area and the commitment of unit tracts 23, 24, 26, 27 and 28 is deemed necessary to obtain maximum recovery of secondary oil through better control of waterflood operations in the south end of the field.

No objection will be offered to the proposed expansion and commitment of currently noncommitted tracts within the unit area on the same basis of participation as the tracts added to the unit by the proposed expansion, provided the expansion is accomplished in accordance with the applicable provisions of section 3 of the unit agreement within a reasonable period of time.

When the Oil and Gas Supervisor, Roswell, New Mexico, is asked to grant final approval of the proposed expansion, a minimum of five copies of the request for final approval should be submitted along with five copies of each of the necessary joinders and evidence that the request has been approved by the appropriate officials of the State of New Mexico.

Sincerely yours,

W. A. Radlinski

SERIALS: NM-4352

Acting Director

Roswell (2)

cc: BLM, Santa Fe  
Com of Pub. Lands, Santa Fe  
W.M.O.C.C., Santa Fe

976 Oct 13 4 19 24

October 9, 1970

Hinkle, Bondurant, Cox & Eaton  
600 Hinkle Building  
P. O. Box 10  
Roswell, New Mexico 88201

Re: Expansion of Flying "M"  
San Andres Unit Area

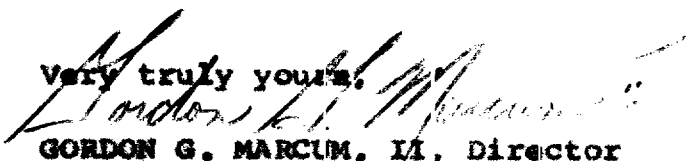
Gentlemen:

The Commissioner of Public Lands has this date given preliminary concurrence to the proposed expansion of the Unit Area and the proposed commitment of Tracts 23, 24, 26, 27, and 28 which are within the present area but which have never been committed to the unit; also the participation formula for the above mentioned tracts and the tracts which are within the proposed expanded area, subject to like concurrence by the United States Geological Survey and the Oil Conservation Commission.

The proposed expansion embraces 879.48 acres comprised of 239.48 State land, 240 Federal and 400 Fee land. Such expansion will increase the Unit Area from 4,240.00 to 5,119.48 acres.

Please submit two (2) copies of the application for final approval accompanied by appropriate joinders for all the tracts now being committed to the unit. This office requires the ratifications of all Lessees of Record for each State tract that is to be committed.

Very truly yours,

  
GORDON G. MARCUM, II, Director  
Oil and Gas Department

AJA/GGM/s

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

971 MAR 30 10 10

March 25, 1971

4

Coastal States Gas Producing Company  
c/o Hinkle, Bondurant, Cox & Eaton  
Post Office Box 10  
Roswell, New Mexico 88201

Re: Expansion of the  
Flying "M" San Andres Unit  
Lea County, New Mexico

ATTENTION: Mr. Clarence E. Hinkle

Gentlemen:

The Commissioner of Public Lands has this date given final approval to the expansion of the Flying "M" (San Andres) Unit area and the participating formula as to additional tracts which are within the boundaries of the present unit area which are to be committed and as to tracts in the proposed expanded area. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are retaining both copies for our files.

Sincerely yours,

GORDON G. MARCUM, II, Director  
Oil and Gas

AJA/GGM/s

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

C  
O  
P  
Y



No. 635786

# RECEIPT FOR CERTIFIED MAIL—20¢

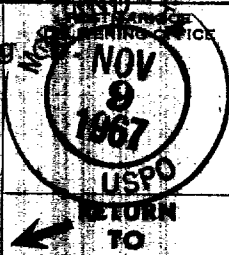
SENT TO Coastal States Gas Producing Co.		POST-MARK OR DATE
STREET AND NO. Post Office Box 235		
CITY, STATE, AND ZIP CODE Midland, Texas 79701		
<p>If you want a return receipt, check which</p> <p><input type="checkbox"/> 10¢ shows to whom and when delivered</p> <p><input type="checkbox"/> 35¢ shows to whom, when, and address where delivered</p> <p>If you want delivery only to addressee, check here</p> <p><input type="checkbox"/> 50¢ fee</p>		
FEES ADDITIONAL TO 20¢ FEE		
POD Form 3800 July 1963 NO INSURANCE COVERAGE PROVIDED— (See other side) NOT FOR INTERNATIONAL MAIL		

POST OFFICE DEPARTMENT  
OFFICIAL BUSINESS

NEVER FOR PRIVATE USE TO AVOID  
PENALTY OF POSTAGE, \$300

655-10-71549-7

Coastal States Gas Producing  
P. O. Box 235  
Midland, Texas 79701



INSTRUCTIONS: Show name and address below and complete instructions on other side, where applicable. Moisten gummed ends, attach and hold firmly to back of article. Print on front of article RETURN RECEIPT REQUESTED.

POD Form 3811 Jan. 1965

NAME OF SENDER Oil Conservation Commission
STREET AND NO. OR P.O. BOX Box 2088
CITY, STATE, AND ZIP CODE Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

3234

2047

October 30, 1967

C

Coastal States Gas Producing Company  
Post Office Box 235  
Midland, Texas 79701

O

Attention: Mr. J. E. Rehler

Re: Unit Area Expansion  
Flying "M" San Andres Unit  
Lea County, New Mexico

P

Gentlemen:

Y

This is to advise that the New Mexico Oil Conservation Commission has this date approved the expansion of the unit area as proposed by your application dated October 26, 1967 and is to be effective October 1, 1967, for the Flying "M" San Andres Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the application is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/ir

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

October 30, 1967

Coastal States Gas Producing Company  
Post Office Box 235  
Midland, Texas 79701

Attention: Mr. J. E. Rehler

Re: Unit Area Expansion  
Flying "M" San Andres Unit  
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the expansion of the unit area as proposed by your application dated October 26, 1967, and is to be effective October 1, 1967, for the Flying "M" San Andres Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the application is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/ir

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

October 30, 1967

Coastal States Gas Producing Company  
Post Office Box 235  
Midland, Texas 79701

Attention: Mr. J. E. Rehler

Re: Unit Area Expansion  
Flying "M" San Andres Unit  
Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the expansion of the unit area as proposed by your application dated October 26, 1967 and is to be effective October 1, 1967, for the Flying "M" San Andres Unit, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the application is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/ir

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission

LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

P. O. BOX 2088  
SANTA FE

May 2, 1967

Mr. Clarence Hinkle  
Hinkle, Bondurant & Christy  
Attorneys at Law  
Post Office Box 10  
Roswell, New Mexico 88201

Re: Case No. 3555  
Order No. R-3229  
Applicant: COASTAL STATES GAS PRODUCING

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,



A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC       

Aztec OCC       

Other Mr. Frank Irby

Drawer 1857  
Roswell, New Mexico 88201

May 26, 1971

Coastal States Gas Producing Company  
c/o Hinkle, Bondurant, Cox & Eaton  
P. O. Box 10  
Roswell, New Mexico 88201

Attention: Mr. Clarence E. Hinkle

Gentlemen:

Your application for the expansion of the Flying "M" San Andres unit area, Lea County, New Mexico, No. 14-08-0001-8852 was approved on May 26 effective as of April 1, 1971. Approval of the expansion increases the unit area from 4,240.00 acres to 5,119.48 acres. One approved copy of the application is enclosed.

We also acknowledge receipt on March 24 of the following described ratifications and joinders to the unit agreement and to the unit operating agreement as to the working interest joinders involved:

<u>Signatory Party</u>	<u>Type Interest</u>	<u>Unit Tract No.</u>
M. D. Bryant	Basic royalty	24
Nancy Trow	"	24
Mary O. Hockin	"	24
Wesley R. Fisher	"	24
Ernest E. Fisher	"	24
Joe W. Fisher	"	24
Mrytle F. Morrow	"	24
Rebs A. Fisher	"	24
Robert W. Fisher	"	24
Aubrey L. Fisher	"	24
Diane F. Fisher	"	24
R. M. Richardson	Overriding Royalty	24
Maxine Ferguson	Basic Royalty	26
Eula F. Corley	"	26
A. W. Lasker, Jr.	"	26
Southland Royalty Co.	Working Interest	26, 27, 28
O. D. McCoy	Basic Royalty	27, 28
Coastal States Gas Prod. Co.	Working Interest	24
Sipanam, Inc.	Working Interest	24

These joinders are effective April 1 pursuant to Section 31 of the unit agreement. The Acting Director's letter of November 2, 1970, approved the basis of participation for the commitment of the above tracts. Copies of the joinders are being distributed to the appropriate Federal offices and all copies surplus to our needs are returned herewith.

One approved copy of your revised participation schedule effective April 1, 1971, reflecting the aggregate changes of participation occasioned by the subsequent joinders and unit expansion action, approved pursuant to Section 13 of the Flying "N" San Andres unit agreement, is attached.

It is requested that you furnish the State of New Mexico and all interested principals with appropriate notice of these commitments and the approval of the expansion.

(ORIG. SCD.) C.C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:  
Washington (w/attach.)  
BLM, Santa Fe (w/attach.)  
Hobbs (w/attach.)  
NMOCC (ltr. only) ✓  
Accounts (ltr. only)

## COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

3556

October 26, 1967

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

Attention: Mr. A. L. Porter, Jr.

Re: Unit Expansion  
Flying "M" (San Andres) Unit  
Lea County, New Mexico

Gentlemen:

As you are aware by virtue of a Preliminary Application, Coastal States Gas Producing Company, as operator of the Flying "M" (San Andres) Unit, proposes that such unit be expanded to include the W/2 SW/4 Section 27 and the E/2 SE/4 Section 28, T-9-S, R-33-E, Lea County, New Mexico, for the purpose of drilling an injection well at a location in the NW/4 SW/4 Section 27. In support of this proposed expansion and in accordance with the terms and provisions of the San Andres Unit Agreement dated December 1, 1966, effective May 12, 1967, and specifically Paragraph 3 therein, you will find enclosed the following listed items constituting formal application for such unit expansion.

1. Two copies of letter dated August 7, 1967, to Southland Royalty Company, being one of the off-set operators for the above mentioned project.
2. Two copies each of joint letter dated August 15, 1967, to Mr. C. B. Gonsales et al, evidencing that these offset operators have no objection to the above project.
3. Two copies each of letter dated August 4, 1967, addressed to Amarillo Oil Company et al, being the other working interest owner of the Flying "M" Unit.
4. Two copies each of form letter dated August 23, 1967, addressed to Mrs. Exalee Ainsworth Howard, being one of the royalty owners under the existing unit. This letter advises Mrs. Howard of the proposed project and allows her 30 days in which to voice any objection. This identical letter was forwarded to all royalty owners and overriding royalty owners as listed in Exhibit "B" to the Flying "M" Unit Agreement. Copies of all such letters are available on request.



Oil Conservation Commission  
October 26, 1967  
Page Two

5. Two copies each of letter dated September 25, 1967, from the Commissioner of Public Lands State of New Mexico, evidencing the State's approval for the proposed project.
6. Two copies each of Revised Exhibit "A" to the Unit Agreement effective October 1, 1967.
7. Two copies each of Revised Exhibit "B" to the Unit Agreement effective October 1, 1967.
8. Two copies each of Consent and Ratification Agreement executed by the working interest owners and overriding royalty interest owners under Tract 29, being one of the new tracts to be included in the unit expansion. You will note these owners are identical to the owners under Tract 1b and all have previously executed joinders to the existing unit agreement. The royalty owner under Tract 29 is the Federal Government. Inasmuch as the working interest owner (Southland Royalty) under Tract 28 has refused to participate in the Flying "M" Unit, this tract will remain not committed and, therefore, Consent and Ratification Agreements are not enclosed.
9. Two copies of letter dated September 15, 1967, from the U.S.G.S. indicating preliminary approval of this project.


In accordance with the provisions of O.C.C. Case No. 3555, Order No. R-3229, dated May 3, 1967, you have been previously furnished (1) a plat showing the proposed injection well and field wells and (2) a schematic drawing of the proposed injection well.


You are requested to approve the expansion of this unit, effective October 1, 1967, as above set out and to furnish a letter indicating this approval to this office. As provided in the preliminary approval from the U.S.G.S., they will not grant final approval until co-approval has been received from the State of New Mexico and the O.C.C. The U.S.G.S. is therefore presently suspending processing of this final application pending approval by the O.C.C.

If any further information is desired, please advise. Thank you.

Yours very truly,

COASTAL STATES GAS PRODUCING COMPANY

  
J. E. Rehler  
Division Landman

Approved October 30 19 67  
  
Secretary-Director

JER-1r

THIS APPROVAL GRANTED SUBJECT TO LIKE APPROVAL  
BEING OBTAINED BY THE UNITED STATES GEOLOGICAL  
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS  
OF THE STATE OF NEW MEXICO.

NEW MEXICO OIL CONSERVATION COMMISSION

*Enclosures*  
*2 + 2 copies of letter. This copy having been sent to the office*



**STATE OF NEW MEXICO**  
**STATE ENGINEER OFFICE**  
**SANTA FE**

OFFICE OF THE STATE ENGINEER

APR 25 AM 8 07 '67

**S. E. REYNOLDS**  
**STATE ENGINEER**

April 24, 1967

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, NEW MEXICO 87501

*Case 3335*

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Coastal States Gas Producing Company which seeks approval for the expansion of their pressure maintenance project authorized under Order R-3033 to include all lands within the proposed Flying "N" San Andres Unit Area.

1. The application states that the expansion would include 8 injection wells but only 7 are shown on the plat submitted with the application.
2. The wells listed as being on injection and those proposed for injection cannot be checked on the plat.
3. No location is shown on the plat for one of the 5 proposed injection wells.
4. The diagrammatic sketch for the Red Fern #2 well does not state what class of tubing will be used.
5. The analysis of raw water by Martin Water Laboratories which is numbered 566133 does not clearly state the source of the water sample.
6. Both of the analyses by Dow Chemical Company

indicate the source of water analyzed.

These deficiencies in the application and attachments thereto are listed in order that they may be brought to your attention.

FEI/ma

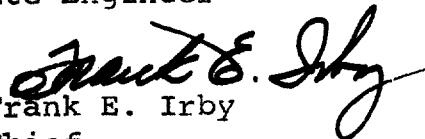
cc-Hinkle Bondurant & Christy

F. H. Hennighausen

Yours truly

S. E. Reynolds  
State Engineer

By:

  
Frank E. Irby

Chief

Water Rights Div.

CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
S. B. CHRISTY IV  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
MICHAEL R. WALLER  
STUART D. SHANOR

LAW OFFICES  
**HINKLE, BONDURANT & CHRISTY**  
600 HINKLE BUILDING  
ROSWELL, NEW MEXICO 88201

April 12, 1966

MAIN OFFICE 0000  
MIDLAND TEXAS OFFICE  
521 MIDLAND TOWER  
(915) 333-4691  
OF COUNSEL: HIRAM M. DOW  
137 APR 1966  
TELEPHONE (505) 622-6510  
POST OFFICE BOX 10

*Case 3555*

Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Gentlemen:

We enclose herewith in triplicate application of Coastal States Gas Producing Company for approval of the expansion of the pilot pressure maintenance project heretofore inaugurated under Order R-3033 of the Commission to include all lands to be embraced in the Flying "M" - San Andres Unit Area in the Flying "M" - San Andres Pool, Lea County. You will also find enclosed copies of the electrical logs of the injection wells referred to in the application.

We are sending a copy of the application, except for the electrical logs, to the State Engineer.

I have heretofore discussed this matter with Mr. Dan Nutter and it is my understanding that it will be set down for hearing on the examiner's docket for April 26.

We also enclose in triplicate application of Coastal States for approval of the Flying "M" - San Andres Unit Agreement which we understand will also be set down for hearing on the examiner's docket on April 26. You will also find enclosed 3 copies of the proposed Unit Agreement referred to in the application.

Yours very truly,

HINKLE, BONDURANT & CHRISTY

By 

CEH:cs

Enc.

cc: State Engineer  
cc: W. D. Elliott  
cc: Jack McGraw

C O P Y

HINKLE, BONDURANT & CHRISTY  
ROSWELL, NEW MEXICO

April 12, 1967

S. E. Reynolds  
State Engineer  
Santa Fe, New Mexico

*Enc 3555*

Dear Sir:

We enclose copy of application of Coastal States Gas Producing Company for approval of the expansion of the pilot pressure maintenance project heretofore inaugurated under Order R-3033 to include all lands to be embraced in the Flying "M" - San Andres Unit Area which includes substantially all of the producing lands in the Flying "M" - San Andres Pool, Lea County. You will also find attached to the application diagrammatic sketches of the wells which are to be used as injection wells and also information relating to the water to be injected. The enclosures constitute the complete application to the Commission with the exception of the electrical logs of the injection wells which have been filed with the Commission. If you desire copies of the electrical logs, please advise and we will secure the same for you.

Yours very truly,

HINKLE, BONDURANT & CHRISTY

By \_\_\_\_\_

CEH:cs

Enc.

cc: Oil Conservation Commission

COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 7, 1967

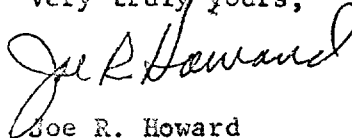
Southland Royalty Company  
1405 Wilco Building  
Midland, Texas 79701

Gentlemen:

Coastal States Gas Producing Company, as operator of the Flying "M" (San Andres) Unit, proposes to drill a water injection well in the NW/4 SW/4 Section 27, T-9-S, R-33-E, Lea County, New Mexico. This letter will serve as notification as required in Rule 11 (3) of Rules and Regulations of the Flying "M" (San Andres) Unit.

If Southland Royalty Company has no objections to the drilling of this well, please sign in the space provided below.

Very truly yours,



Joe R. Howard  
Division Production Superintendent

JRH:lb  
cc: W. D. Elliott

Approved August 11, 1967 by:

  
SOUTHLAND ROYALTY COMPANY

## COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 23, 1967

Mrs. Exalee Ainsworth Howard  
22 West Madison Avenue  
Lovington, New Mexico

Re: Unit Expansion  
Flying "M" (San Andres) Unit  
Lea County, New Mexico

Dear Royalty Owner:

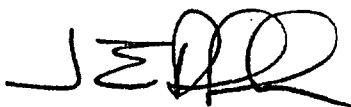
In order to balance the present injection well pattern along the perimeter of the Flying "M" (San Andres) Unit, Coastal States, as unit operator, proposes to drill a new injection well at a location in the NW/4 SW/4 Section 27, T-9-S, R-33-E, NMPM, and to expand the existing unit boundary to include an additional 160 acres being the W/2 SW/4 Section 27 and E/2 SE/4 Section 28, T-9-S, R-33-E. The E/2 SE/4 Section 28 will remain "not committed" to the unit and will not participate in unit production. The W/2 SW/4 Section 27 will be committed to the unit (injection well drillsite) but will not participate in unit production since this acreage does not have any known productive acreage and has not produced from the San Andres formation. There will be no changes in your present unit participation factor as a result of the unit expansion. The proposed effective date will probably be September 1, 1967, subject to full approval by the various governmental agencies.

As required under paragraph 3 (b), page 5 of the Unit Agreement, this letter constitutes notice of the planned expansion. You are allowed 30 days to submit to Coastal States, as unit operator, any objection you may have to the above described plan of operation. Since the proposed well is for injection purposes only and will not produce unit oil, and since the existing participation factors will not change, Coastal States does not expect to receive any objections.

For this reason you are respectfully requested to indicate in the space provided below, that you have no objections and to return one signed copy of this letter using the enclosed self-addressed envelope. Your immediate return of a signed copy of this letter will allow the unit to conduct its operations in a more timely manner. Thank you.

Very truly yours,

COASTAL STATES GAS PRODUCING CO.

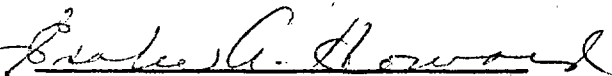


J. E. Rehler  
Division Landman

JER/ag

The undersigned has no objections to the above described unit expansion.

NAME:



DATE:

10 - 1 - 67



COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 4, 1967

RECEIVED  
AUG 10 1967  
SANTA FE, N.M.

Amarillo Oil Company  
P.O. Box 151  
Amarillo, Texas

ATTENTION: Mr. Richard C. Frawley

Murphey Oil Corporation  
200 Jefferson Avenue  
El Dorado, Arkansas 71730

Mr. J.H. Hord  
P.O. Box 121  
Midland, Texas

Sipanam, Inc.  
Dr. Gerhard Wagner  
630 Fifth Avenue  
New York, New York

CSGP CO.		
Drig. & Prod. Dept.		
Midland Div.		
AUG 9 1967		
To	In	Out
JAN 8/9		✓
PM 2/1		
13/11/14		
Feb	UF	

Cct →  
HLB

Re: Flying "M" (San Andres) Unit  
Lea County, New Mexico

Gentlemen:

Attached you will find a plat showing the present Flying "M" (San Andres) Unit boundaries with the present injection wells marked with a triangle. Plans were to drill an injection well in the SE/4 NE/4 Section 28; however, Southland Royalty elected not to join the Unit. In order to obtain the maximum benefits from our injection program, an additional injection well is needed in the Southeast part of the field.

As operator of the Unit, Coastal States recommends that the Unit be expanded to include the E/2 of SE/4 of Section 28 and the W/2 of SW/4 of Section 27 and an injection well be drilled in the NW/4 of SW/4 of Section 27. These tracts have no productive acres, therefore your Unit participation will remain the same. This proposed expansion and additional injection well have been discussed

RECEIVED  
AUG 16 3 44 PM '67  
STATE OF NEW MEXICO  
SANTA FE, N.M.

Amarillo Oil Company  
Murphy Oil Corporation  
Mr. J.H. Herd  
Sipanam, Inc.  
Page 2  
August 4, 1967

with the United States Geological Survey, New Mexico Oil Conservation Commission and New Mexico Land Commission and all have given tentative verbal approval.

As required in Part 3(b) of the unit agreement, this letter is Coastal States notice of proposed expansion and drilling of the additional injection well. When final approval has been received AFE's for this project will be submitted for your approval. If the above meets with your approval please indicate by signing a copy of this letter in the space provided below and return it to this office.

Very truly yours,

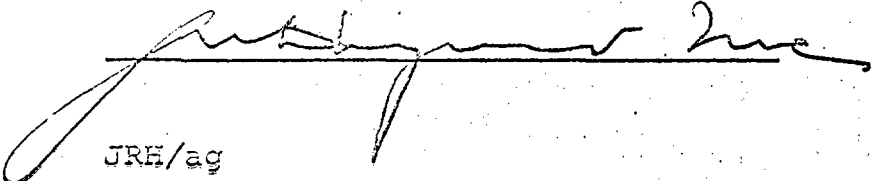
COASTAL STATES GAS PRODUCING CO.



Joe R. Howard  
Division Production Superintendent

Agreed to and Accepted this  
7<sup>th</sup> day of August, 1967.

SIPANAM INC



JRH/ag

Enclosures

Amarillo Oil Company  
Murphoy Oil Corporation  
Mr. J.H. Howd  
Sipanam, Inc.  
Page 2  
August 4, 1967

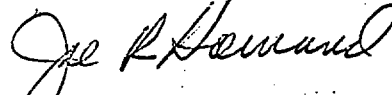
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AUG 16 3 45 AM '67  
STATE OFFICE  
SANTA FE, N.M.

with the United States Geological Survey, New Mexico Oil Conservation Commission and New Mexico Land Commission and all have given tentative verbal approval.

As required in Part 3(b) of the unit agreement, this letter is Coastal States notice of proposed expansion and drilling of the additional injection well. When final approval has been received AFE's for this project will be submitted for your approval. If the above meets with your approval please indicate by signing a copy of this letter in the space provided below and return it to this office.

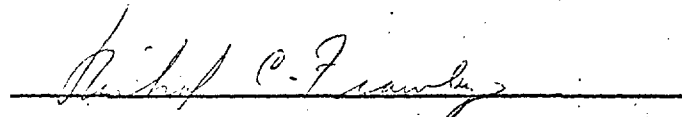
Very truly yours,

COASTAL STATES GAS PRODUCING CO.



Joe R. Howard  
Division Production Superintendent

Agreed to and Accepted this  
7 day of August, 1967.



JRH/ag

Enclosures

Amarillo Oil Company  
Murphoy Oil Corporation  
Mr. J.H. Hord  
Sipanam, Inc.  
Page 2  
August 4, 1967

with the United States Geological Survey, New Mexico Oil Conservation Commission and New Mexico Land Commission and all have given tentative verbal approval.

As required in Part 3(b) of the unit agreement, this letter is Coastal States notice of proposed expansion and drilling of the additional injection well. When final approval has been received AFE's for this project will be submitted for your approval. If the above meets with your approval please indicate by signing a copy of this letter in the space provided below and return it to this office.

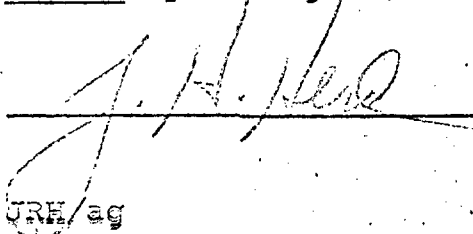
Very truly yours,

COASTAL STATES GAS PRODUCING CO.



Joe R. Howard  
Division Production Superintendent

Agreed to and Accepted this  
5<sup>th</sup> day of August, 1967.

  
JRH/ag

Enclosures

RECEIVED  
AUG 10 10 40 AM '67  
SANTAFEL, N.M.

## COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 15, 1967

Mr. C. B. Consales  
Box 17062  
Rincon Station  
Tuscon, Arizona 85710

Mr. O. F. Featherstone  
236 Petroleum Building  
Roswell, New Mexico 88201

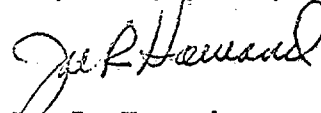
Redfern Development Company  
Wilco Building  
Midland, Texas 79701  
Attention: Mr. John Redfern

Gentlemen:

Coastal States Gas Producing Company, as operator of the Flying M (San Andres) Unit, proposes to drill a water injection well in the NW/4 SW/4, Section 27, T-9-S, R-33-E, Lea County, New Mexico. This letter will serve as notification as required in Rule 11 (3) of Rules and Regulations of Flying M (San Andres) Unit. Attached is a complete copy of our application.

If you have no objection to the drilling of this well, please sign in the space provided below.

Very truly yours,



Joe R. Howard  
Division Production Superintendent

JRH:lb  
Attachment

APPROVED: DATE August 24, 1967BY: [Signature]

CSGP CO.		
Deleg. & Prod. Dept.		
Midland Div.		
K AUG 25 1967		
To	In	Out
JRH		
LPB		
PM		
File	UF	

## COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 15, 1967

Mr. C. B. Gonsales  
Box 17062  
Rincon Station  
Tuscon, Arizona 85710

Mr. O. F. Featherstone  
236 Petroleum Building  
Roswell, New Mexico 88201

Redfern Development Company  
Wilco Building  
Midland, Texas 79701  
Attention: Mr. John Redfern

Gentlemen:

Coastal States Gas Producing Company, as operator of the Flying M (San Andres) Unit, proposes to drill a water injection well in the NW/4 SW/4, Section 27, T-9-S, R-33-E, Lea County, New Mexico. This letter will serve as notification as required in Rule 11 (3) of Rules and Regulations of Flying M (San Andres) Unit. Attached is a complete copy of our application.

If you have no objection to the drilling of this well, please sign in the space provided below.

Very truly yours,



Joe R. Howard  
Division Production Superintendent

JRH:lb  
Attachment

APPROVED: DATE August 21, 1967  
BY: Charles B. Gonsales

CSGP CO.  
Drig. & Prod. Dept.  
Midland Div.  
AUG 21 1967

To	In	Out
JRH	51	
RLC		
LE	819	11/13
File	WF	

cc to HLB 2 → 2-5 67 Ka

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 3366  
Order No. R-3033

APPLICATION OF COASTAL STATES GAS  
PRODUCING COMPANY FOR A PILOT PRES-  
SURE MAINTENANCE PROJECT, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on  
January 26, 1966, at Santa Fe, New Mexico, before Examiner  
Elvis A. Utz.

NOW, on this 3rd day of February, 1966, the Commission,  
a quorum being present, having considered the testimony, the  
record, and the recommendations of the Examiner, and being fully  
advised in the premises,

FINDS:

(1) That due public notice having been given as required by  
law, the Commission has jurisdiction of this cause and the subject  
matter thereof.

(2) That the applicant, Coastal States Gas Producing Com-  
pany, seeks authority to institute a pilot pressure maintenance  
project in the Flying "M" San Andres Pool, Lea County, New Mexico,  
by the injection of water into the San Andres formation through  
three wells in Sections 15, 21, and 33, Township 9 South, Range  
33 East, NMPM, Lea County, New Mexico.

(3) That the applicant also seeks the establishment of an  
administrative procedure for approval of additional water injec-  
tion wells.

(4) That the proposed pilot pressure maintenance project is  
in the interest of conservation and should result in greater ulti-  
mate recovery of oil, thereby preventing waste.

CASE No. 3366  
Order No. R-3033

(5) That the proposed pilot pressure maintenance project should be approved and an administrative procedure should be established for approval of additional water injection wells.

IT IS THEREFORE ORDERED:

(1) That the applicant, Coastal States Gas Producing Company, is hereby authorized to institute a pilot pressure maintenance project designated the Coastal States Flying "M" Pressure Maintenance Project in the Flying "M" San Andres Pool, Lea County, New Mexico, by the injection of water into the San Andres formation through the following-described wells in Township 9 South, Range 33 East, NMPM, Lea County, New Mexico:

Southern Minerals State 15 Well No. 1, located  
in Unit L of Section 15; *OG*

Southern Minerals State 21 Well No. 4, located  
in Unit H of Section 21; and *on*

Gonsales Federal 33 Well No. 4, located in  
Unit D of Section 33. *on*

(2) That the Secretary-Director is hereby authorized to approve additional water injection wells in the Coastal States Flying "M" Pressure Maintenance Project in accordance with the following-described administrative procedure:

A. The project operator shall file an application in accordance with the provisions of Rule 701 B of the Commission's General Rules and Regulations.

B. The applicant shall forward a copy of the application to each operator offsetting each proposed injection well and the application shall state that such notice has been furnished.

C. The Secretary-Director may approve the application upon receipt of waivers from all offset operators or if no offset operator has objected within 15 days after the Secretary-Director has received the application.



-3-

CASE No. 3366,  
Order No. R-3033

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

GUYTON B. HAYS, Member

A. L. PORTER, JR., Member & Secretary

S E A L

esr/

## COASTAL STATES GAS PRODUCING COMPANY

NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

August 15, 1967

Mr. C. B. Consales  
Box 17052  
Rincon Station  
Tucson, Arizona 85710

Mr. O. F. Featherstone  
236 Petroleum Building  
Roswell, New Mexico 88201

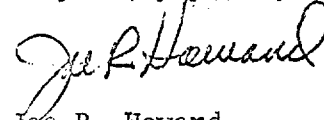
Redfern Development Company  
Wilco Building  
Midland, Texas 79701  
Attention: Mr. John Redfern

Gentlemen:

Coastal States Gas Producing Company, as operator of the Flying M (San Andres) Unit, proposes to drill a water injection well in the NW/4 SW/4, Section 27, T-9-S, R-33-E, Lea County, New Mexico. This letter will serve as notification as required in Rule 11 (3) of Rules and Regulations of Flying M (San Andres) Unit. Attached is a complete copy of our application.

If you have no objection to the drilling of this well, please sign in the space provided below.

Very truly yours,



Joe R. Howard  
Division Production Superintendent.

JRH:1b  
Attachment

APPROVED: DATE 8/16/67BY: [Signature]

CSGP CO.		
Dist. & Prod. Dept.		
Midland Div.		
AUG 15 1967		
To	By	On
File	WP	

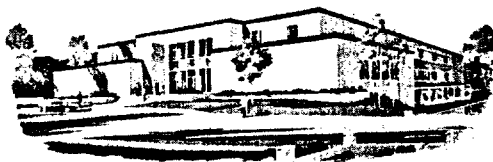
*cc to [unclear] HLB*

*LE Copy to HLB 8-22-67*

*LC*

State of New Mexico

3554



Commissioner of Public Lands



November 1, 1967

GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

Coastal States Gas Producing Company  
Post Office Box 235  
Midland, Texas 79701

Re: Flying "M" Unit Expansion  
Lea County, New Mexico

ATTENTION: Mr. J. E. Rehler

Gentlemen:

This will acknowledge your letter of October 26, 1967, whereby, you submitted Revised Exhibits "A" and "B" and other pertinent information regarding the captioned unit.

These exhibits have been accepted for filing by the Commissioner of Public Lands as of this date.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Eddie Lopez, Supervisor  
Unit Division

GBH/TB/EL/s

cc: USGS-Roswell, New Mexico  
OCC-Santa Fe, New Mexico

MAILED  
'67 Nov 3 AM 9 30



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASHINGTON 25, D. C.

SEP 15 1967

Coastal States Gas Producing Company  
Wilco Building  
Midland, Texas 79701

Attention: Mr. Joe A. Howard

Gentlemen:

Your letter of August 21 filed on August 22, 1967, with the Regional Oil and Gas Supervisor, Roswell, New Mexico, requests preliminary approval of a proposed expansion of the Flying "W" San Andres unit area, Lea County, New Mexico.

The Flying "W" San Andres unit agreement, No. 14-08-0001-8852, was approved effective on May 12, 1967. The agreement was formed for the purpose of conducting pressure maintenance and secondary recovery operations in the San Andres formation. Phase I participation is based 75 percent on current production and 25 percent on productive acreage. Phase II participation is based 75 percent on ultimate primary production and 25 percent on productive acreage. The participation factors for the originally qualified tracts will not be changed by the expansion inasmuch as the lands to be added are not productive in the unitized formation and will contribute no production or productive acreage. However, the inclusion of such tracts in the unit area will permit an additional unit injection well to balance the injection pattern in order to maintain reservoir pressure and increase the ultimate recovery from the unit area.

The proposed expansion embraces 160 acres comprised of 80 acres of Federal land described as the N $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 27, T. 36 N., R. 23 E., N.M.P.M. and 80 acres of Fee land described as the N $\frac{1}{2}$ SW $\frac{1}{4}$  sec. 25, T. 36 N., R. 23 E., N.M.P.M. Such expansion will increase the unit area from 4,080 acres to 4,240 acres, more or less.

No objection will be offered to the proposed expansion if accomplished in accordance with the applicable provisions of Section 3

67 Sep 19 1967

of the unit agreement within a reasonable period of time. At least five copies of the application for final approval accompanied by appropriate jointures for the new tracts should be filed with the Oil and Gas Supervisor, Roswell, New Mexico, after such application has been approved by the Commissioner of Public Lands of the State of New Mexico and the New Mexico Oil Conservation Commission.

The format of the sample exhibits attached to the 1961 reprint of the standard form should be followed in the preparation of revised Exhibits A and B. Do not remember existing tracts.

Sincerely yours,

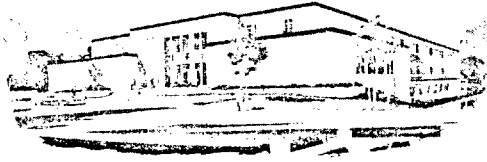
*William A. Baker*

Acting Director

cc:  
BLM, Santa Fe  
Com. Public Lands, Santa Fe  
NMDCC, Santa Fe ✓  
Roswell (2)

REShook:bw:8-30-67

State of New Mexico



Commissioner of Public Lands



GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

September 25, 1967

Coastal States Gas Producing Company  
P. O. Box 235  
Midland, Texas 79701

Re: Unit Expansion  
Flying M (San Andres) Unit  
Lea County, New Mexico

ATTENTION: Mr. Joe R. Howard

Gentlemen:

We are in receipt of your letter dated August 15, 1967, which constitutes notice and formal application for the drilling of an injection well at a location in the NW/4SW/4, of Section 27, Township 9 South, Range 33 East, also expansion of the unit area including the W/2SW/4, of Section 27, of Federal land, and the E/2SE/4, of Section 28, Township 9 South, Range 33 East, of Fee land.

The proposed expansion will increase the Flying M (San Andres) Unit area from 4,080.00 to 4,240.00 acres, more or less.

Please furnish this office with copies of your revised Exhibits.

The Commissioner of Public Lands approves your proposed expansion in accordance with the provisions of Section 3, page 5, of the Unit Agreement. This approval being subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy is enclosed herewith.

SEP 26 1967

Coastal States Gas Producing Company  
Flying M (San Andges) Unit  
September 25, 1967  
Page 2.

Very truly yours,

COMMISSIONER OF PUBLIC LANDS

BY:

Ted Bilberry, Director  
Oil and Gas Department

GBH/TB/EL/s

encl. 1.

cc: United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

New Mexico Oil Conservation Commission ✓  
P. O. Box 2088  
Santa Fe, New Mexico

3554

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 2, 1967

C  
O  
P  
Y

Coastal States Gas Producing Company  
P. O. Box 235  
Midland, Texas 79701

Attention: Mr. Joe R. Howard

Gentlemen:

Reference is made to your application to expand the Flying "M" San Andres Unit dated August 15, 1967. Your attention is called to page two - second sentence of said letter which reads: After expansion, the W/2 of Section 28 (Southland Royalty leases) will be within the Unit but "not committed." This should be corrected to read "E/2 of Section 28."

The plat accompanying application for expansion does not correspond with Exhibit "B" as submitted with the certified Unit Agreement dated May 16, 1967. Said Exhibit "B" shows the NE/4 & W/2 SE/4 of Section 28 as having participation factors, which, if incorrect, should have been replaced sometime ago by a revised Exhibit "B".

Please forward corrected page two and the Revised Exhibit "B" at your earliest convenience.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico



25  
MAR 25

CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
STUART D. SHANOR

C. D. MARTIN  
PAUL J. KELLY, JR.

LAW OFFICES  
**HINKLE, BONDURANT, COX & EATON**  
600 HINKLE BUILDING  
POST OFFICE BOX 10  
**ROSWELL, NEW MEXICO 88201**

TELEPHONE (505) 622-6510

MIDLAND, TEXAS OFFICE  
521 MIDLAND TOWER  
(915) MU 3-4691

March 24, 1971

3224

A. L. Porter, Jr.  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Re: Expansion of Flying "M"  
(San Andres) Unit Area

Dear Mr. Porter:

Under date of January 15, 1971 the Commission entered Order R-3220-A in Case No. 3480 approving the proposed expansion of the Flying "M" (San Andres) Unit Area.

Under the provisions of Section 3 of the Unit Agreement it is required that the Commission, Commissioner of Public Lands and Regional Supervisor of the United States Geological Survey approve the expansion. We enclose an application for approval of the expansion together with all of the instruments referred to therein. You will note from Exhibits "A" and "B" that preliminary approval of the expansion has been obtained from the Commissioner of Public Lands and the Acting Director of the United States Geological Survey.

In order to file the application with the U.S.G.S. for final approval we need a letter from the Commission approving the expansion. Coastal States is anxious for the expansion to be effective as of April 1, if possible to do so. Under the terms of the application the expansion is to be effective as of the first day of the month following approval by the Commission, Commissioner and Regional Supervisor. We are requesting similar approval from the Commissioner with the hope that we can receive it so that the U.S.G.S. can act on this matter the first of the week and the expansion can be effective as of April 1. Your cooperation in connection with this matter will be greatly appreciated.

Yours very truly,

HINKLE, BONDURANT, COX & EATON

By Clarence E. Hinkle *CEH*

CEH:cs  
Enc.

JAMES A. FISHER, M. D.  
229 PARKING WAY  
LAKE JACKSON, TEXAS 77566  
—  
TELEPHONE CY 7-4066

June 7, 1971

RECEIVED.

JUN 11 1971

U. S. CONSERVATION COMMISSION

Coastal States Gas Producing Company  
Wilco Building  
Midland, Texas 79701

Dear Sirs:

Your check # 64253 is being held in abeyance until satisfactory explanation is forwarded to me regarding the change in production schedule and the change in lease and well numbers at the "FLYING M" unit area.

Please be advised that I objected to further expansions of this area and you were so advised by registered mail on March 29 of this year.

Sincerely yours, -

  
J. A. Fisher, M.D.

JAF:cah

ENCLOSURES:

CC: Commissioner of Public Lands  
Santa Fe, New Mexico

Director: USGS  
Santa Fe, New Mexico

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Mr. Tom Kenyon, Attorney  
Freeport, Texas

JAMES A. FISHER, M. D.  
229 PARKING WAY  
LAKE JACKSON, TEXAS 77566  
—  
TELEPHONE CY 7-4066

March 29, 1971

Coastal States Gas Producing Company  
Wilco Building  
Midland, Texas 79701

Dear Sir,

This is to notify you that I am objecting to  
the enlargement of the FLYING "M" (SAN ANDRES)  
UNIT AREA as you proposed in your communication  
of March 26, 1971.

Sincerely yours,

  
J. A. Fisher, M.D.

JAF:ch

Carol Ann Horn  
Notary, Brazoria County

COASTAL STATES GAS PRODUCING COMPANY  
NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

March 26, 1971

NOTICE OF PROPOSED EXPANSION OF  
FLYING "M" (SAN ANDRES) UNIT AREA  
LEA COUNTY, NEW MEXICO

TO ALL LESSEES, LESSORS AND WORKING INTEREST OWNERS

The undersigned, Coastal States Gas Producing Company, Unit Operator under the Flying "M" Unit Agreement embracing lands in T-9-S, R-33-E, Lea County, New Mexico, hereby gives the following notice to each Lessee, Lessor and Working Interest Owner having interest within said Unit area and within the area of the proposed expansion as herein after described:

1. It is proposed to expand the Unit area to include the following described lands:

T-9-S, R-33-E  
Sec 29 - W/2 of the W/2  
Sec 32 - W/2 of the NW/4  
Sec 33 - NE/4, E/2 of the NW/4, SE/4  
Sec 34 - W/2 of the NW/4

T-10-S, R-33-E  
Sec 4 - NE/4

37501

Don't / Fe

That the proposed expansion was given preliminary approval by the Commissioner of Public Lands of the State of New Mexico on October 9, 1970, by the acting director of the USGS on November 2, 1970, and by the New Mexico Oil Conservation Commission on January 15, 1971. That all tracts included in the proposed addition contain lands indicated by available geological information to be within the productive limits of the San Andres reservoir. Such expansion is deemed necessary to obtain maximum recovery of secondary oil through better control of waterflood operations in the south end of the pool or field.

New Mexico  
Oil Co. 2

2. There is enclosed herewith a copy of revision of Exhibit "B" attached to the Unit Agreement including the Unit participation to be assigned to each tract for both Phase I and Phase II with the Unit area as expanded, except with respect to Tracts 2, 23 and 33, which will not be committed to the Unit.

March 26, 1971

3. It is proposed that the effective date of the expansion be the first day of April, 1971, unless such expansion for any unforeseen reason is not approved by the Commission, Commissioner or Supervisor on or before April 30, 1971. In such case, the expansion shall be effective as of the first day of May, 1971.
4. You are further notified that you have 30 days from date hereof with which to submit to Unit Operator any objection to the proposed expansion, failing in which it will be presumed that you do not have any objection to the expansion.

This notice, dated the 26th day of March, 1971, is given in compliance with the provisions of Section 3 of the Unit Agreement.

Signed:

  
COASTAL STATES GAS PRODUCING COMPANY  
Unit Operator

CBT:JRM:bm

Enclosures

CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
STUART D. SHANOR  
  
C. D. MARTIN  
PAUL J. KELLY, JR.  
J. M. LITTLE

LAW OFFICES  
HINKLE, BONDURANT, COX & EATON  
600 HINKLE BUILDING  
POST OFFICE BOX 10  
ROSWELL, NEW MEXICO 88201

TELEPHONE (505) 622-6510

MIDLAND, TEXAS OFFICE  
521 MIDLAND TOWER  
(915) 683-4691

May 28, 1971

3554

Commissioner of Public Lands  
Box 1148  
Santa Fe, New Mexico 87501

Re: Expansion of Flying "M"  
(San Andres) Unit Area

Gentlemen:

We enclose herewith copy of Certificate of Approval of the expansion of the captioned unit by the United States Geological Survey effective as of April 1, 1971.

The proposed expansion was approved by the Oil Conservation Commission on January 15, 1971. Previously, on October 9, 1970, you gave preliminary approval of the expansion and on March 25, 1971 you approved the expansion, subject to approval of the Geological Survey. Prior to approval you were furnished with Consents and Ratifications as to the commitment of Tracts 24, 26, 27 and 28 within the original unit area which had not been previously committed.

We also enclose copy of letter of the United States Geological Survey to Coastal States under date of May 26 transmitting the Certificate of Approval and acknowledging receipt of the ratifications and joinders to the unit agreement and unit operating agreement of the parties indicated in the letter. You will also note that these joinders were effective as of April 1 pursuant to Section 31 of the unit agreement.

Inasmuch as executed copies of the joinders have heretofore been furnished to you, we believe that this completes the matter; however, if there is anything else you need for your files, please advise. We are filing a copy of the certificate with the Oil Conservation Commission.

Yours very truly,

HINKLE, BONDURANT, COX & EATON

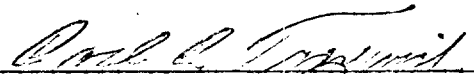
By 

CEH:cs  
Enc.  
cc: Coastal States  
cc: U.S.G.S.  
CC: Oil Conservation Commission

CERTIFICATION - APPROVAL

Pursuant to the authority vested in the Secretary of the Interior under the Act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C., secs. 181, et seq., and delegated to the Oil and Gas Supervisors of the Geological Survey (33 F. R. 5812), the attached application for expansion of the Flying "M" San Andres unit area, Lea County, New Mexico, is hereby approved, effective April 1, 1971.

May 26, 1971

  
\_\_\_\_\_  
Acting Oil and Gas Supervisor  
U. S. Geological Survey



# United States Department of the Interior

## GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

May 26, 1971

Coastal States Gas Producing Company  
c/o Hinkle, Bondurant, Cox & Eaton  
P. O. Box 10  
Roswell, New Mexico 88201

RECEIVED

MAY 28 1971

Attention: Mr. Clarence E. Hinkle

HINKLE, BONDURANT, COX & EATON  
ROSWELL, NEW MEXICO

Gentlemen:

Your application for the expansion of the Flying "M" San Andres unit area, Lea County, New Mexico, No. 14-08-0001-8852 was approved on May 26 effective as of April 1, 1971. Approval of the expansion increases the unit area from 4,240.00 acres to 5,119.48 acres. One approved copy of the application is enclosed.

We also acknowledge receipt on March 24 of the following described ratifications and joinders to the unit agreement and to the unit operating agreement as to the working interest joinders involved:

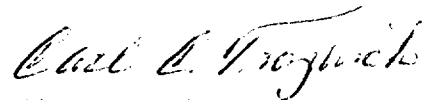
<u>Signatory Party</u>	<u>Type Interest</u>	<u>Unit Tract No.</u>
M. D. Bryant	Basic royalty	24
Nancy Trow	"	24
Mary O. Hockin	"	24
Wesley R. Fisher	"	24
Ernest E. Fisher	"	24
Joe W. Fisher	"	24
Mrytle F. Morrow	"	24
Reba A. Fisher	"	24
Robert W. Fisher	"	24
Aubrey L. Fisher	"	24
Duane F. Fisher	"	24
R. M. Richardson	Overriding Royalty	24
Maxine Ferguson	Basic Royalty	26
Eula F. Corley	"	26
A. W. Lasker, Jr.	"	26
Southland Royalty Co.	Working Interest	26, 27, 28
O. D. McCoy	Basic Royalty	27, 28
Coastal States Gas Prod. Co.	Working Interest	24
Sipanam, Inc.	Working Interest	24



These joinders are effective April 1 pursuant to Section 31 of the unit agreement. The Acting Director's letter of November 2, 1970, approved the basis of participation for the commitment of the above tracts. Copies of the joinders are being distributed to the appropriate Federal offices and all copies surplus to our needs are returned herewith.

One approved copy of your revised participation schedule effective April 1, 1971, reflecting the aggregate changes of participation occasioned by the subsequent joinders and unit expansion action, approved pursuant to Section 13 of the Flying "M" San Andres unit agreement, is attached.

It is requested that you furnish the State of New Mexico and all interested principals with appropriate notice of these commitments and the approval of the expansion.



CARL C. TRAYWICK  
Acting Oil and Gas Supervisor



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

OFFICE OF THE  
DIRECTOR  
MAY 19 1967  
MAY 19 1967

IN REPLY REFER TO:

May 17, 1967

3334

Coastal States Gas Producing Company  
P. O. Box 235  
Midland, Texas 79701

Attention: Mr. Jack R. McGraw

Gentlemen:

Your initial plan of operation dated April 24, 1967, for the Flying "F" San Andres unit area, Lea County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:  
Washington (w/cy of plan)  
Hobbs (w/cy of plan)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission

LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

P. O. BOX 2088  
SANTA FE

April 26, 1967

Mr. Clarence Hinkle  
Hinkle, Bondurant & Christy  
Attorneys at Law  
Post Office Box 10  
Roswell, New Mexico

Re: Case No. 3554  
Order No. R-3220  
Applicant: \_\_\_\_\_

Coastal States Gas Producing Co.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,



A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC   x  

Artesia OCC           

Aztec OCC           

Other                     Unit Division - Land Office

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, PRESIDENT

(14). 01 (4-60)

SYMBOLS

DL=Day Letter  
NL=Night Letter  
LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA038 SSH169

L RWA017 DL PD=ROSWELL NMEX 25 1006A MST=

NEW MEXICO OIL CONSERVATION COMMISSION=

1967 APR 25 AM 10 33

STATE LAND OFFICE BLDG SANTA FE NMEX=

REFERENCE CASES 3554 AND 3555, COASTAL STATES FLYING M  
SAN ANDRES UNIT. AS A WORKING INTEREST OWNER UNDER  
TRACT 22 AND ON BEHALF OF 1/2 OF THE FEE ROYALTY UNDER  
TRACT 21 I OBJECT TO APPROVAL OF THE PROPOSED UNIT AND  
WATER FLOOD. THE FIELD NOT DRILLED AND DEVELOPED TO  
THE EXTENT NECESSARY TO DETERMINE UNIT OUTLINE.  
PRODUCTIVE BUT UNDRILLED ACREAGE IS SEVERELY PENALIZED

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

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# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

SYMBOLS

DL=Day Letter

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BY THE PARTICIPATION FORMULA. WELLS IN WEST HALF SEC.  
29 AND IN SEC. 32 LIE OUTSIDE PERIPHERAL OF FLOOD. THE  
ENTIRE PROGRAM BASED UPON COASTAL STATES ECONOMICS  
RATHER THAN EQUITABLE AND SOUND GEOLOGY AND ENGINEERING.  
I DO NOT FEEL THAT THE RIGHTS OF ANYONE EXCEPT COASTAL  
STATES WILL BE PROTECTED. I URGE THE COMMISSION TO  
CAREFULLY EXAMINE AND WITHHOLD APPROVAL UNTIL THE  
CORRELATIVE RIGHTS OF ALL PARTIES ARE PROTECTED=

R M RICHARDSON==

3554 3555 22 1/2 21 29 32=

IONS FROM ITS PATRONS CONCERNING ITS SERVICE

CHARD  
UNIT CONS  
FEE  
MEXICO  
967

Case 3554

Gentlemen,

Date 7-14-67

An examination of your Exhibit 7, "A zone porosity map (isopachous)", shows one case of contouring to fit your acreage despite well control, and also another case without well control.

Your #1 Ainsworth, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 22 shows to have 14 feet of porosity, only 1 foot less than the No. 2 LL&E State located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$  of Sec. 22, yet you have pulled-in the contours so that the 10' line lies between the two wells. You have no information as to what might actually occur between the two wells (nor whether or not a 10' line should be between the 14' well and your 15' line), however since the unit is for your economical benefit, logical contouring is ignored.

The same applies to the arbitrary way that you have contoured the area immediately west of the No. 1 McGuffin in the SE $\frac{1}{4}$ NW $\frac{1}{4}$  of Sec. 29. You have "Squeezed" these lines so that the porosity goes from 28' to 0' in approximately 1/4th mile. Such does not happen in any other part of the field. You have absolutely no well control nor other information upon which to "pull-in" these contours.

On the contrary, logical contouring would round-off towards the southwest with the W $\frac{1}{2}$  of 29, and the NW $\frac{1}{4}$  of Sec. 32 all lying within the 10' line. The other lines 15', 20', and 25' can also be rounded-off to the southwest. A recontouring of your map, using your figures, indicates that the entire SW $\frac{1}{4}$  of Sec. 29, and a portion of the NW $\frac{1}{4}$  of Sec. 32, will be productive.

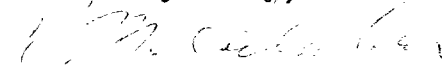
The sum and substance of my entire opposition to your plan is that you have not developed the field as a prudent operator and are seeking to avoid any additional development through use of unitization with a participation formula and unit outline based upon your own self-serving information, all of which is for the benefit of Coastal, and to the detriment of probably everyone else.

I would like to urge the N.M. Oil Conservation Commission and the U.S.G.S. to carefully examine the information you have submitted and determine whether or not such governmental agencies are getting their fair shake

It is realized that my small amount of acreage will not materially effect your unit, however I honestly hate to see you attempt to "rope-in" unsuspecting fee mineral owners. I also appreciate your problems and have been on your side of the fence several times in the past, however units such as this are largely the reasons why all companies have trouble with non-joining royalty owners. The value of a waterflood is not questioned, and such is a conservation measure, however I seriously do question your methods, intents and purposes.

Thank you.

Yours very truly,

  
R. M. Richardson

CC: N.M.O.C.C.

U.S.G.S.

Mrs. Rhea

Clarence Hinkle

McGuffin-Trow-Fishers-

Bryant-et al

MAIN OFFICE URG

'67 MAY 22 AM 8 14

April 23, 1967

Coastal States Gas Producing Company  
600 Wilco Building  
Midland, Texas

Re: Flying "M" San Andres Unit  
Pressure Maintenance Unit  
Lee County, New Mexico

ATTENTION: Mr. J. E. Rehler

Gentlemen:

The Commissioner of Public Lands has this date approved the Flying "M" San Andres Unit, Lee County, New Mexico, subject to like approval by the United States Geological Survey.

We are handing to Mr. Clarence E. Hinkle, five Certificates of approval of the Unit Agreement, also Official Receipt No. I 8103 in the amount of Fifty-Five (\$55.00) dollars which covers the filing fee.

Please furnish us a copy of Certificate of Determination by the United States Geological Survey. We would also like to have a list designating your old and new well numbers.

Very truly yours,

GUYTON D. HAYS

COMMISSIONER OF PUBLIC LANDS

BY:

Ted Bilberry, Director  
Oil and Gas Department

GBH/EL/s  
encls.



Coastal States Gas Producing Company  
600 Wilco Building  
Midland, Texas  
April 25, 1967  
Page 2.

cc: United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico, 88201

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

Coastal States Gas Producing Company  
P. O. Drawer 521  
Corpus Christi, Texas  
ATTENTION: Mr. E. A. Morton