



ATLAS
WIRING
SERVICES

SEGMENTED BOND LOG

GR/CCL VDI MAP

60-10-124-002E

FILE NO.

COMPANY COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

WELL COLUMBIA ET AL KOTINELELE 1-49 YI

FIELD KOTINELELE

PROVINCE YUKON

LOCATION:
60 07' 35.917" N. LAT
124 07' 36.45" W LONG

OTHER SERVICES
VERTILOG
MROMELOG

SEC TWP RGE

PERMIT ORIGIN GROUND LEVEL ELEV. 827.34

LOGGING MEASURED FROM K.B. 8.24 ABOVE S.C.
DRILLING MEASURED FROM NNNELLY BUSHING

ELEVATIONS
827.34
827.34

DATE 18-JAN-90

SERVICE ORDER 953182

DEPTH-DRILLER 4420.5

DEPTH-LOGGER 3597.0

BOTTOM LOGGED INTERVAL 3560.0

TOP LOGGED INTERVAL 2500.0

TYPE FLUID IN HOLE MUD/KWCL

SPLINITY PPM CL. N.R.

DENSITY LB/GR. N.R.

LEVEL SURFACE

HRX. REC. TEMP. DEG. C 168

OPR. RIG TIME 10.2 HOURS

EQUIP. NO. / LOC. H. 6307

RECORDED BY R. CAMPBELL

WITNESSED BY H. RUGG

NO. BIT FROM

33 107.1/N-80 SURFACE 152.1

24 69.9/N-80 SURFACE 265.1

17 47.7/L-80 SURFACE 118.1

17 43.2/N-80 1118.0 278.1

17 47.6/N-80 2591.0 412.1

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BEST FIT OF THEIR BEST JUDGMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

CROSSING RECORD

SIZE HGT FROM TO

REMARKS RUN (1)

CORRELATED TO LEE TOOL GR DATED 30-OCT-90
PURPOSE: TO CHECK INTEGRITY OF CEMENT JOB
PRESSURE PASS RECORDED WITH 7000 KPA PRESSURE

OPERATORS: N. BRUNET & R. OROM

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	SBT	113803	1424XA	CENTRALIZED
1	1	GR	47389	1309XA	CENTRALIZED
1	1	CCL	309138	2330NA	CENTRALIZED
1	1	TELE	117087	1633EA	CENTRALIZED
1	1	VDL	116790	1424PA	CENTRALIZED

CURVE DEFINITIONS

END

VDL VARIABLE DENSITY
GR GAMMA RAY
ATAV AVERAGE OF 6 COMPENSATED ATTENUATION CURVES
ATMN MINIMUM OF 6 COMPENSATED ATTENUATION CURVES
AMAV COMPENSATED ATTENUATION (3 FT AMPLITUDE)
CCL CASING COLLAR LOCATOR
RB TOOL RELATIVE BEARING (LOW SIDE INDICATOR)
DEV TOOL DEVIATION IN DEGREES
ATC6 COMPENSATED ATTENUATION IN SECTOR 6 (60 DEGREE DB/FT)
ATC5 COMPENSATED ATTENUATION IN SECTOR 5 (60 DEGREE DB/FT)
ATC4 COMPENSATED ATTENUATION IN SECTOR 4 (60 DEGREE DB/FT)
ATC3 COMPENSATED ATTENUATION IN SECTOR 3 (60 DEGREE DB/FT)
ATC2 COMPENSATED ATTENUATION IN SECTOR 2 (60 DEGREE DB/FT)
ATC1 COMPENSATED ATTENUATION IN SECTOR 1 (60 DEGREE DB/FT)

SBT CURVE DEFINITIONS

PASS THREE MAP SECTION
7000 KPA PRESSURE PASS

.....
FILE: 5

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
GR	9.2	METERS
CCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AAT1	3.4	METERS
AAT2	3.4	METERS
AAT3	3.4	METERS
AAT4	3.4	METERS
AAT5	3.4	METERS
AAT6	3.4	METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

*** NONE ***

COMPANY: COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

RUN: 1

WELL NAME: COLUMBIA ET AL KOTANEELEE 1-48 YT

TRIP: 1

SERVICE: L 702A

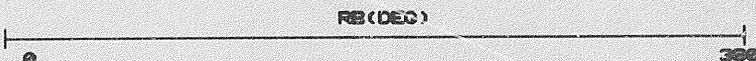
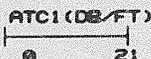
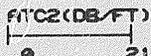
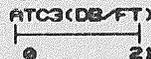
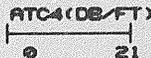
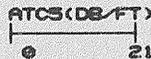
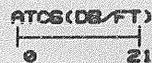
FILE: 5

DATE: 01/18/91

TIME: 06:41:16

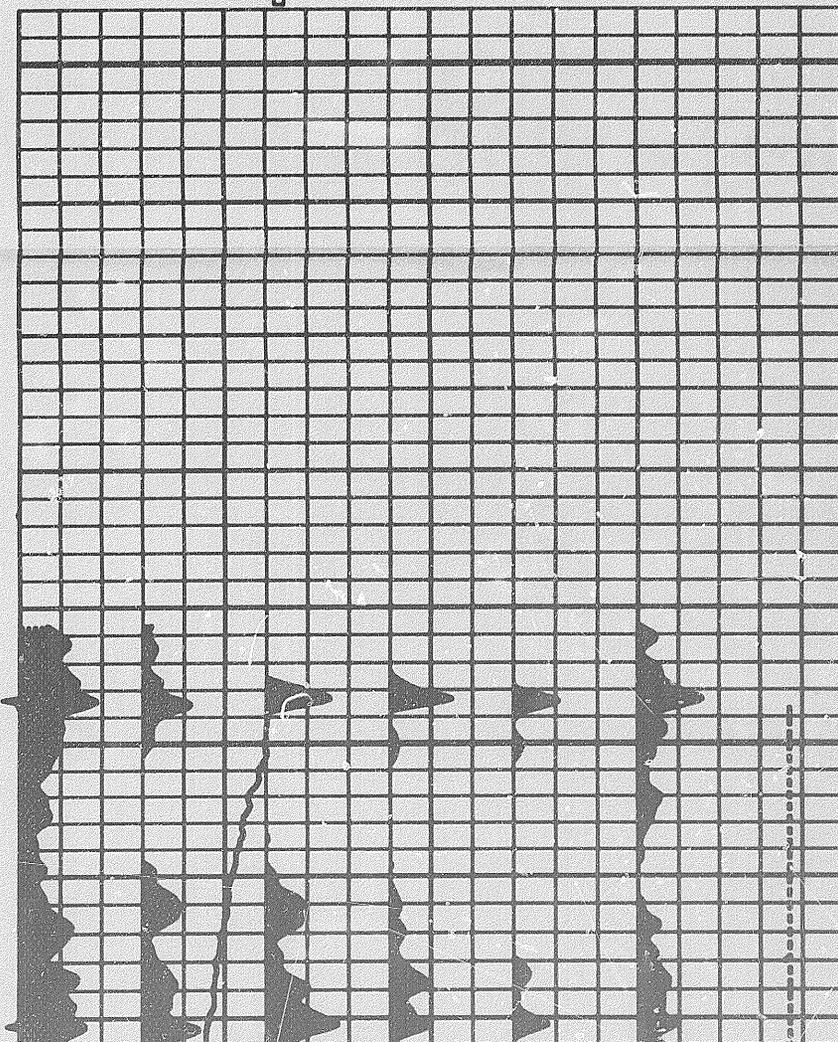
REVISION: FSY5256 REV:0002 UFR:4.0

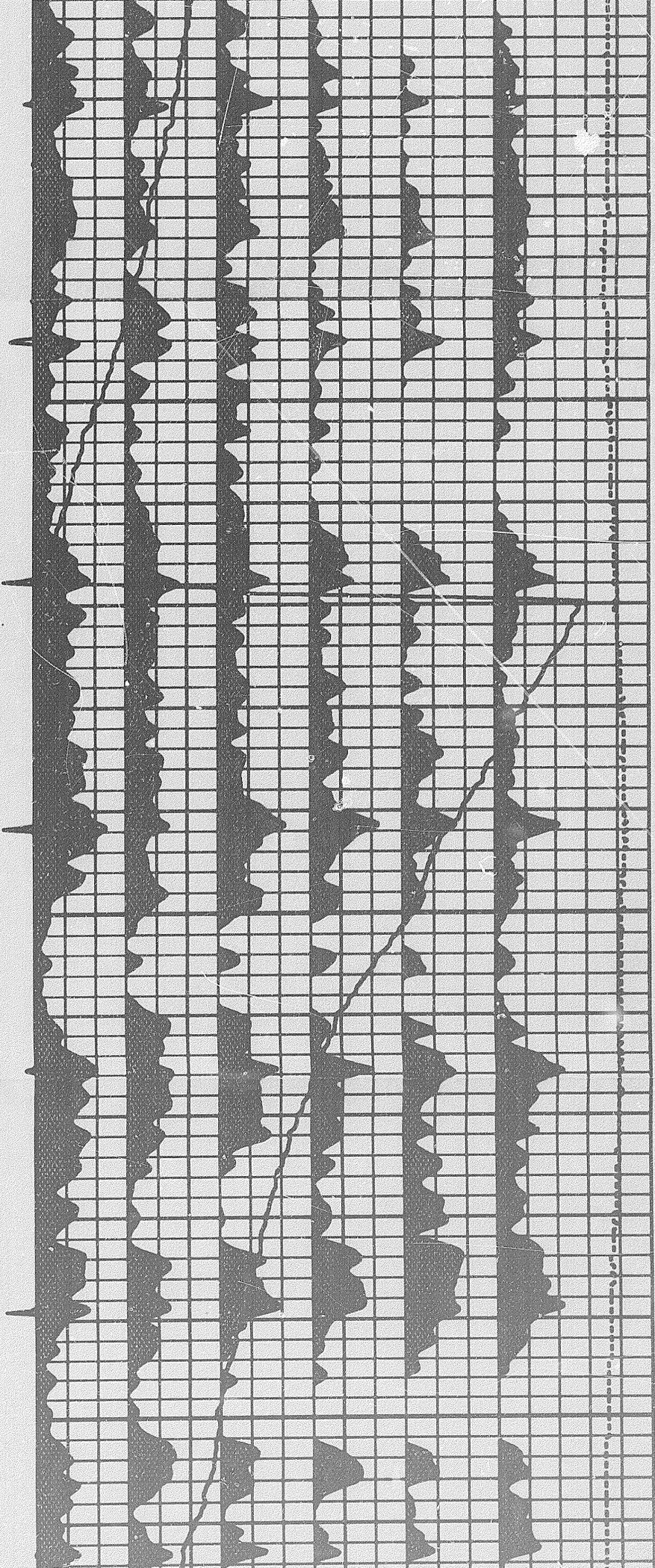
MODE: RECORD



2475

2500

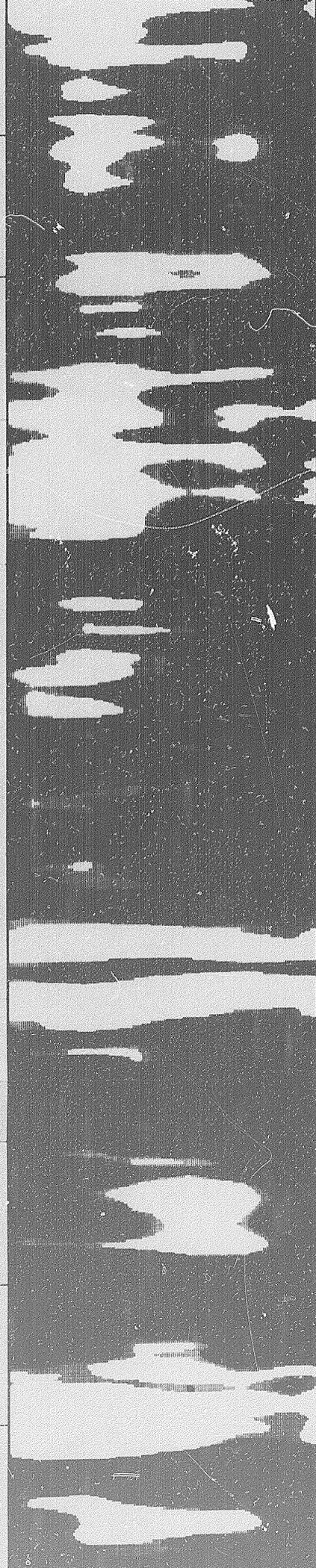




2525

2550

2575

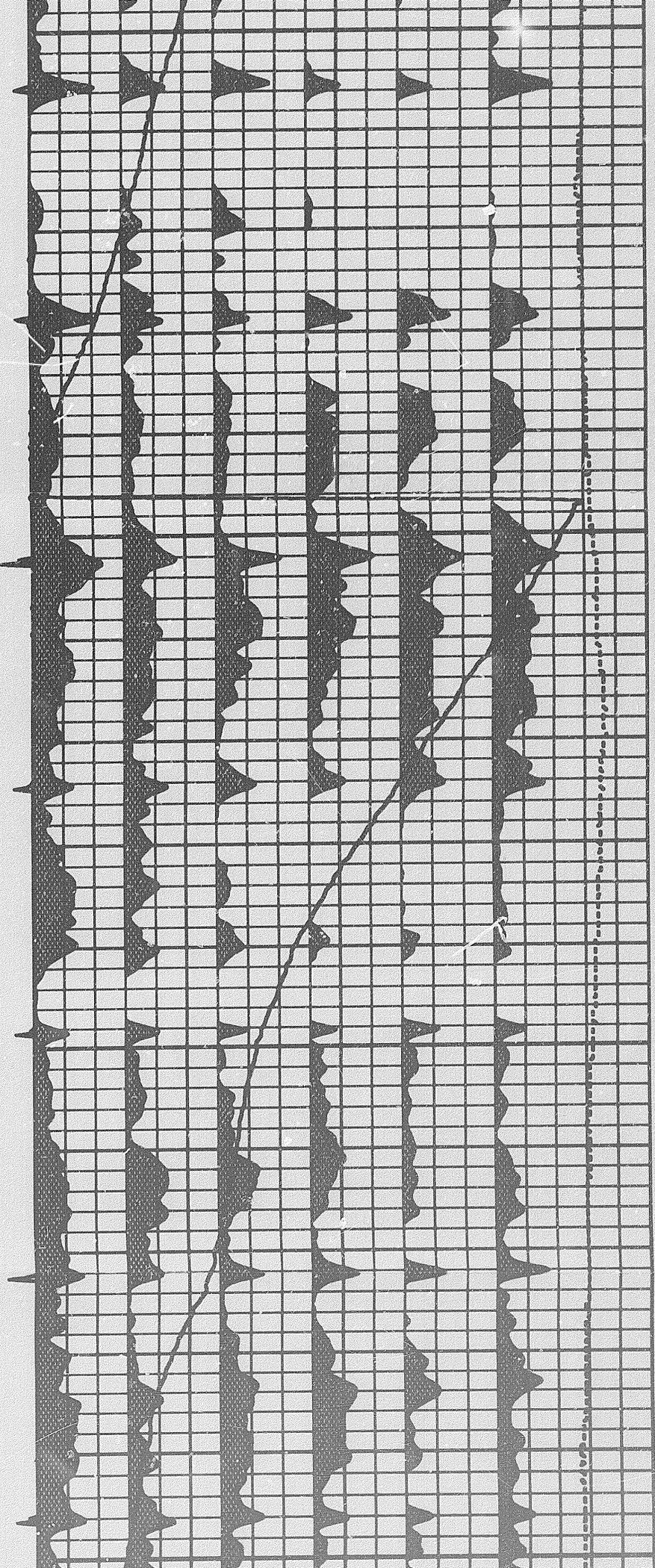


2650

2675

2700

2725

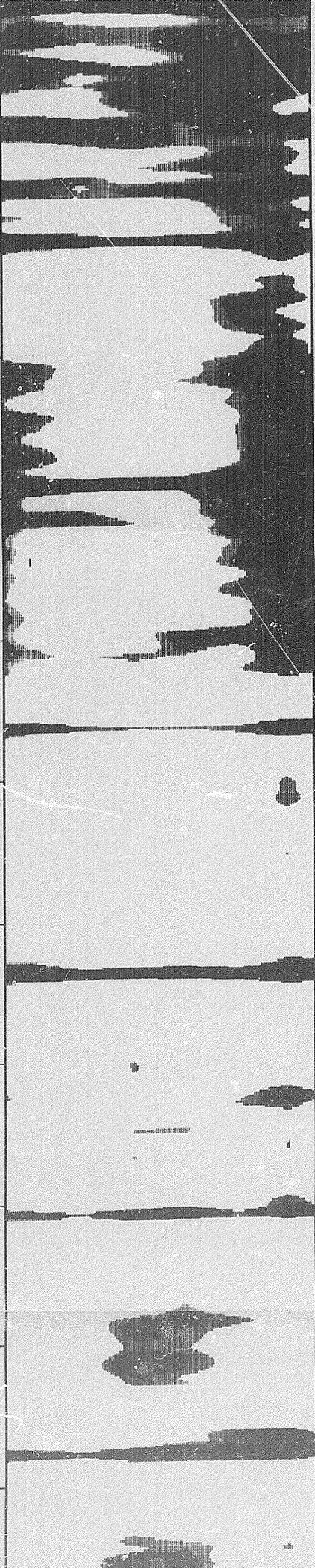
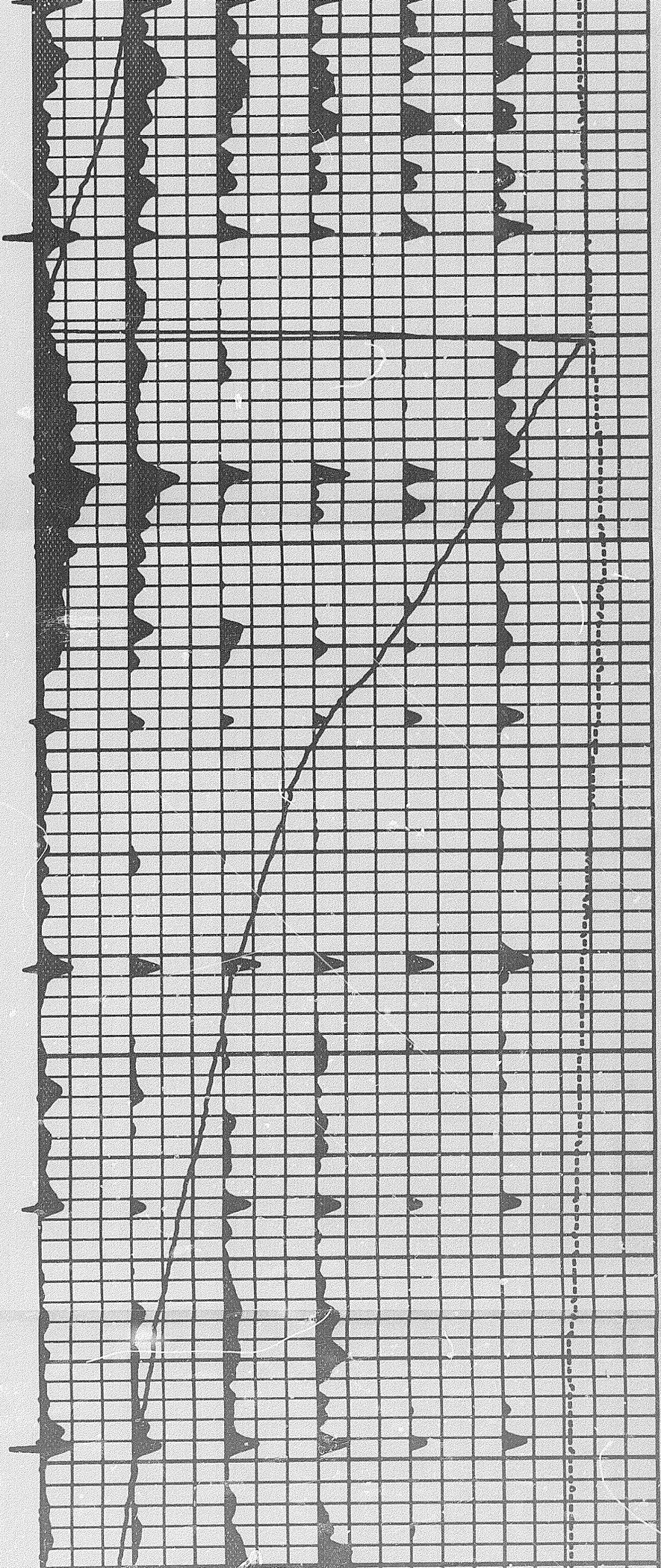


2725

2750

2775

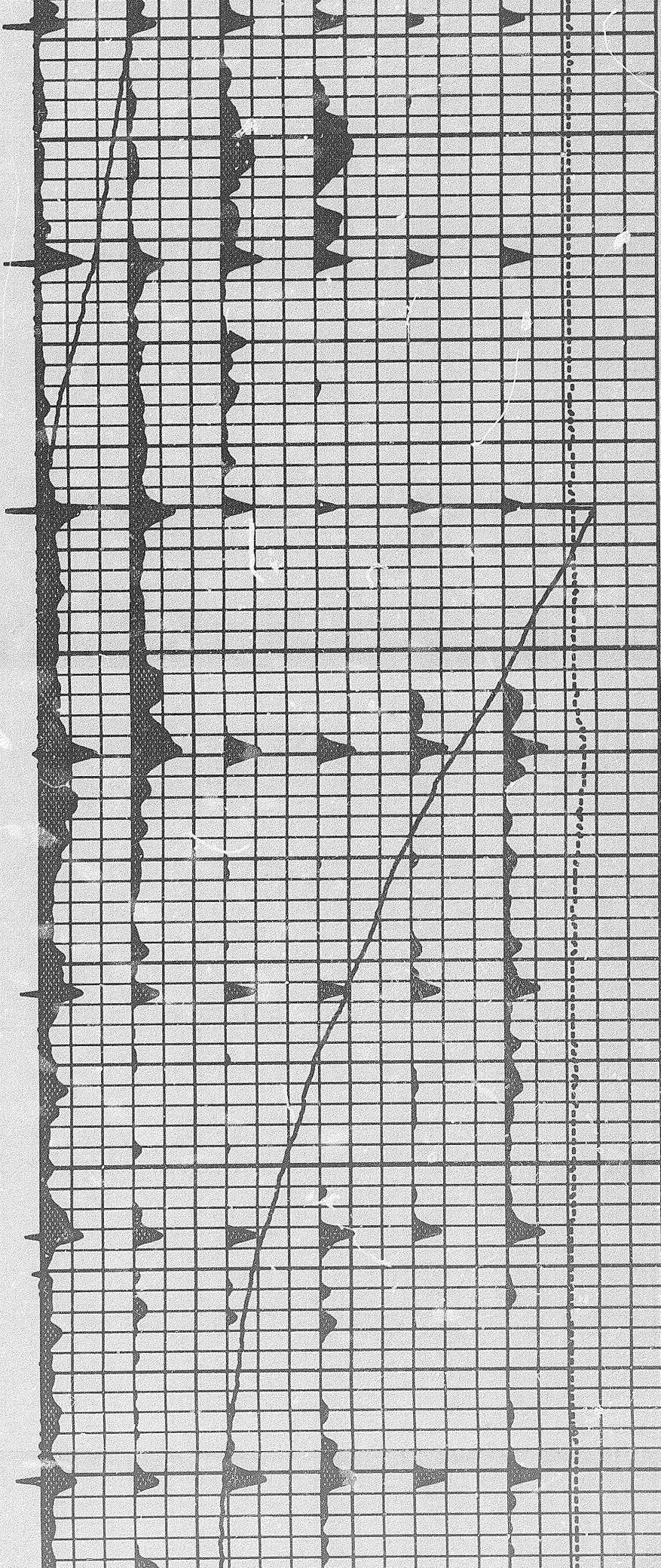
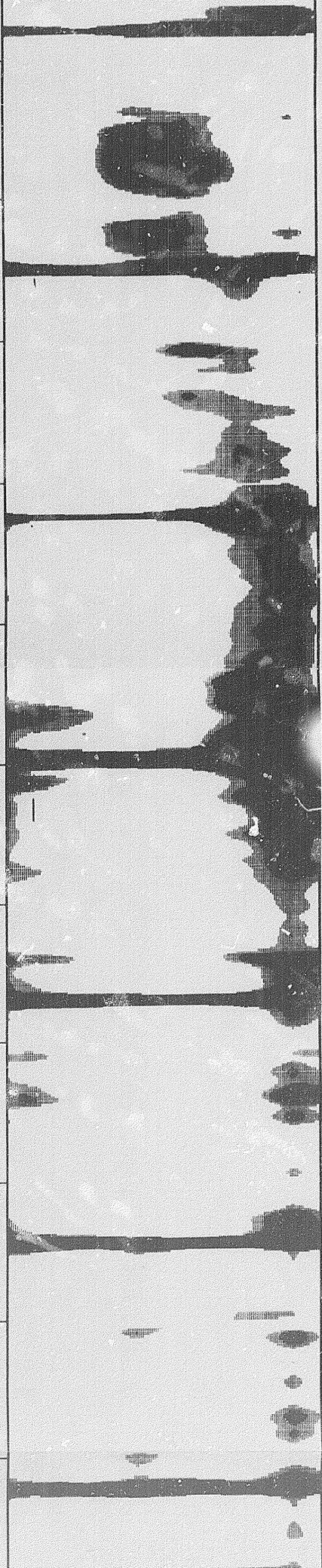
28



2800

2025

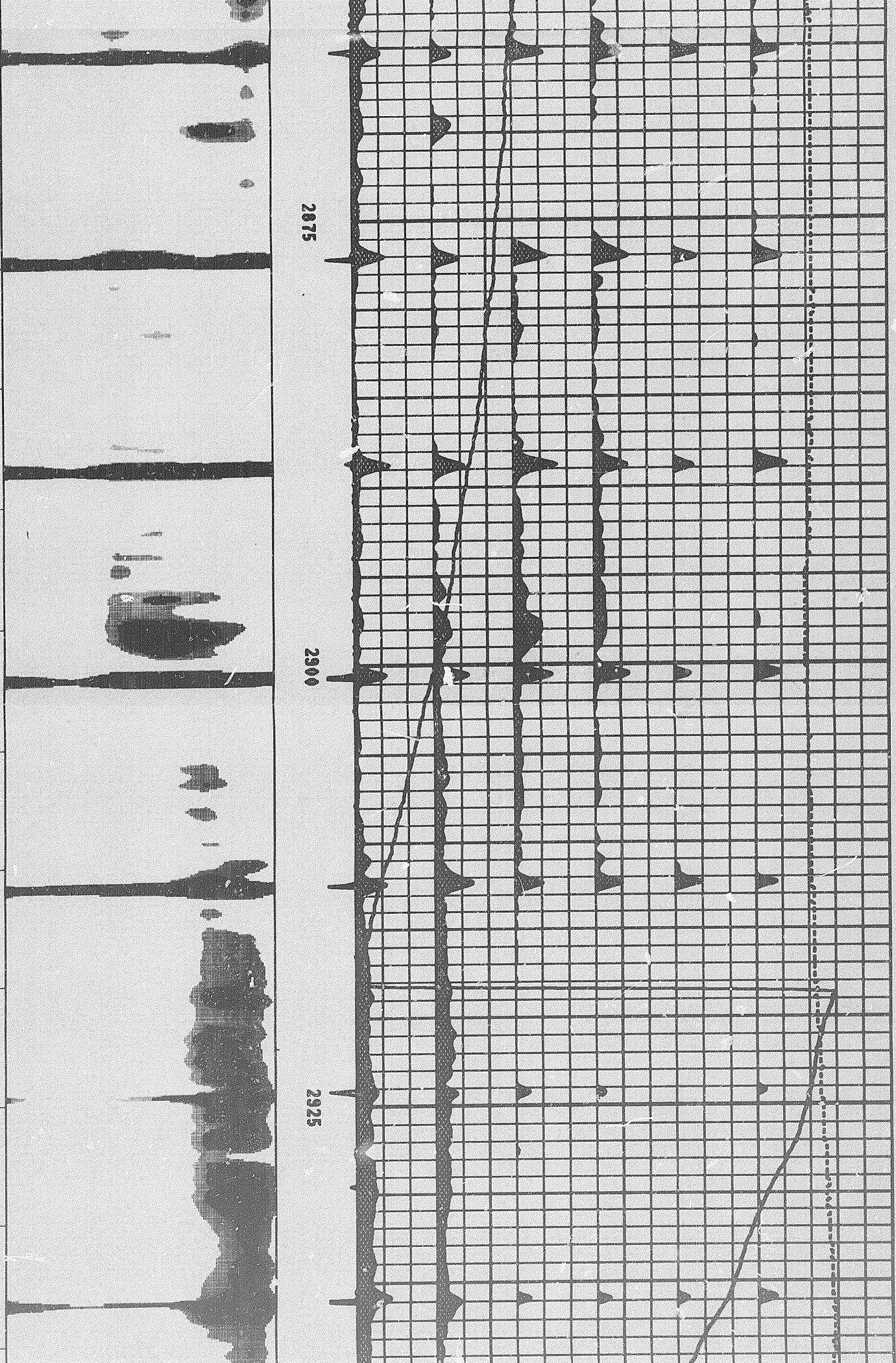
2850

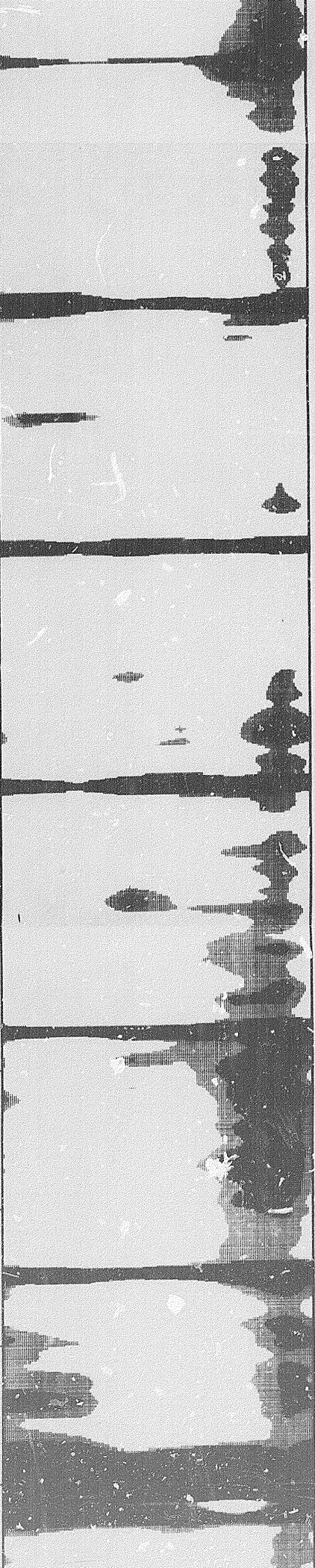


2875

2900

2925

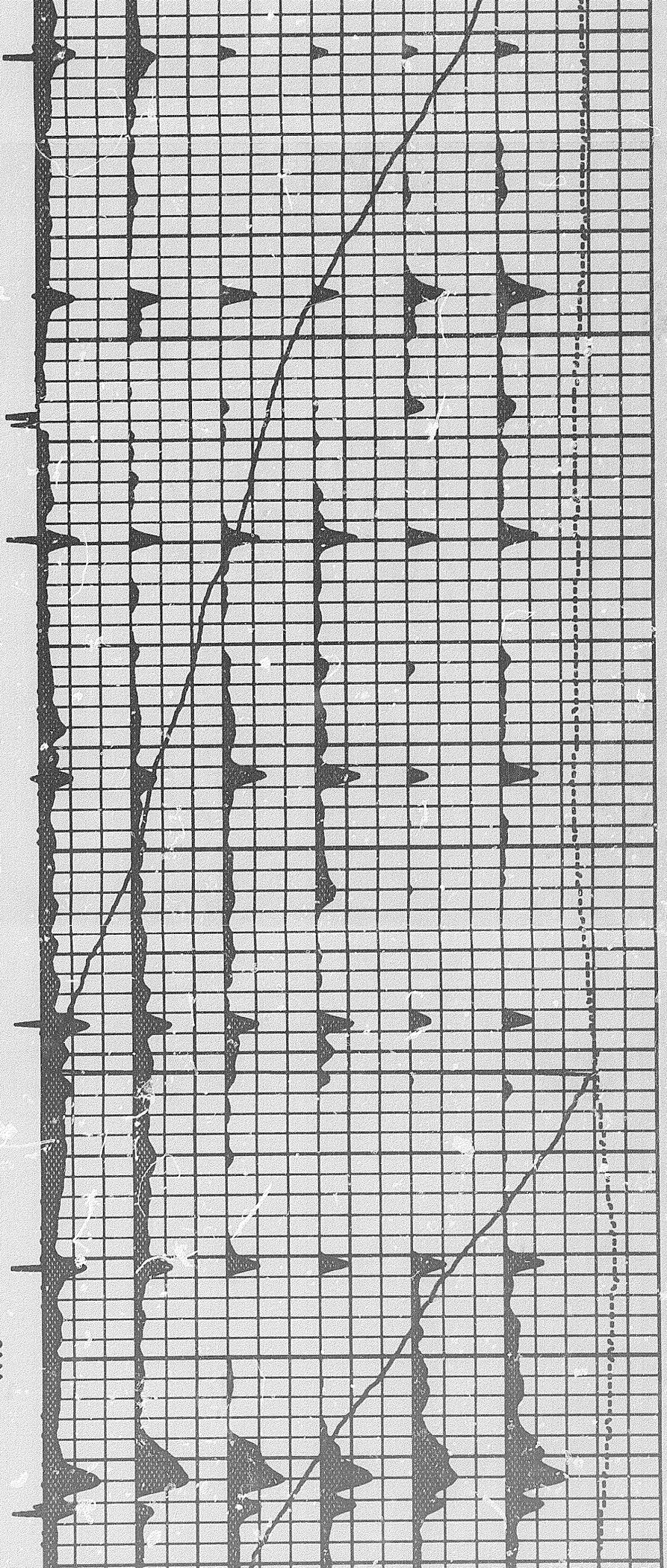




2950

2975

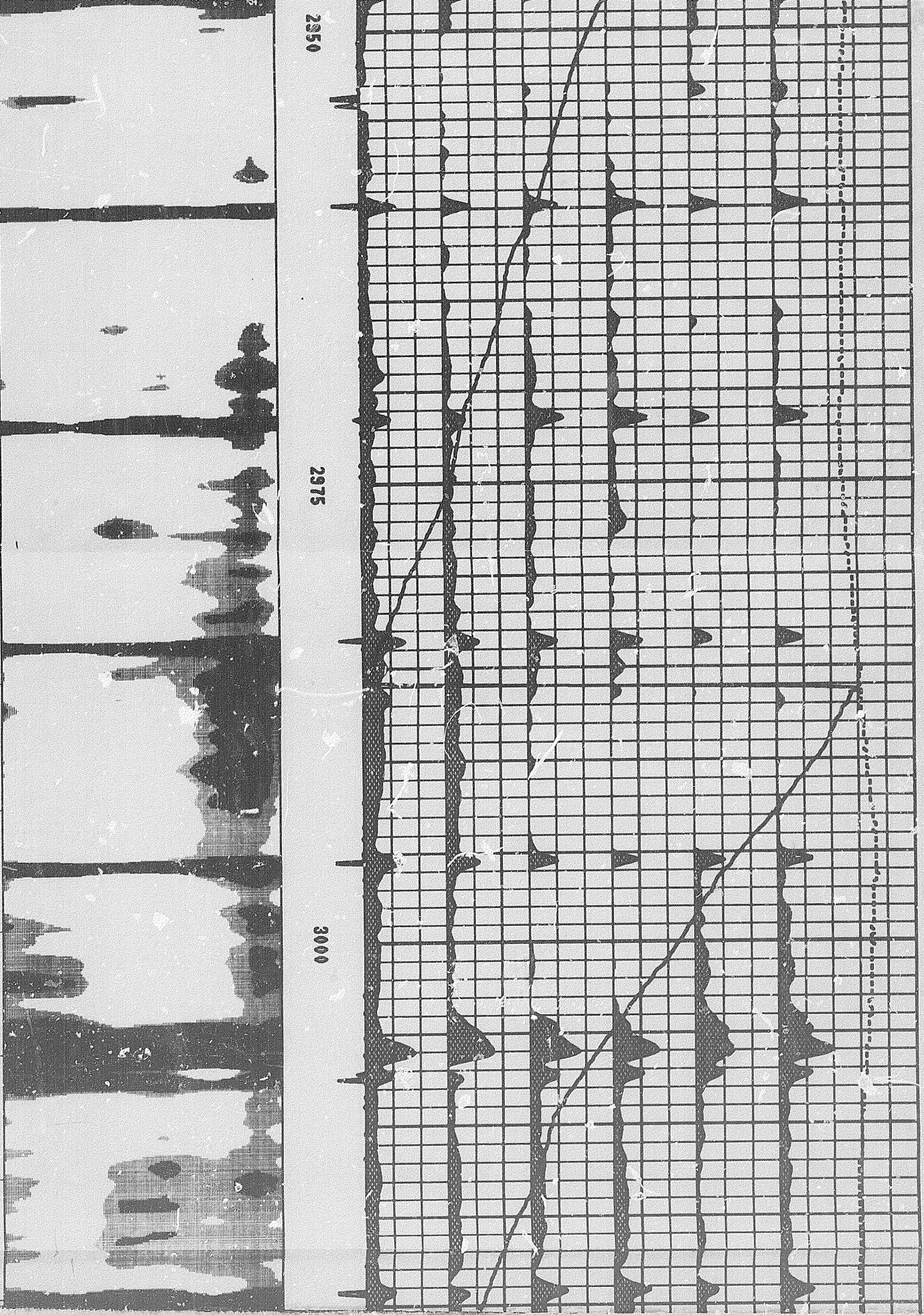
3000

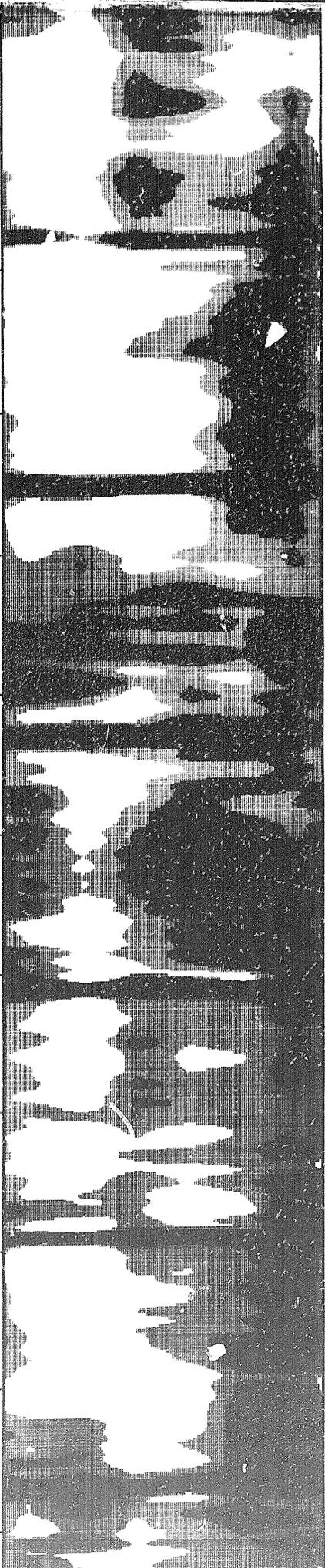


2850

2975

3000

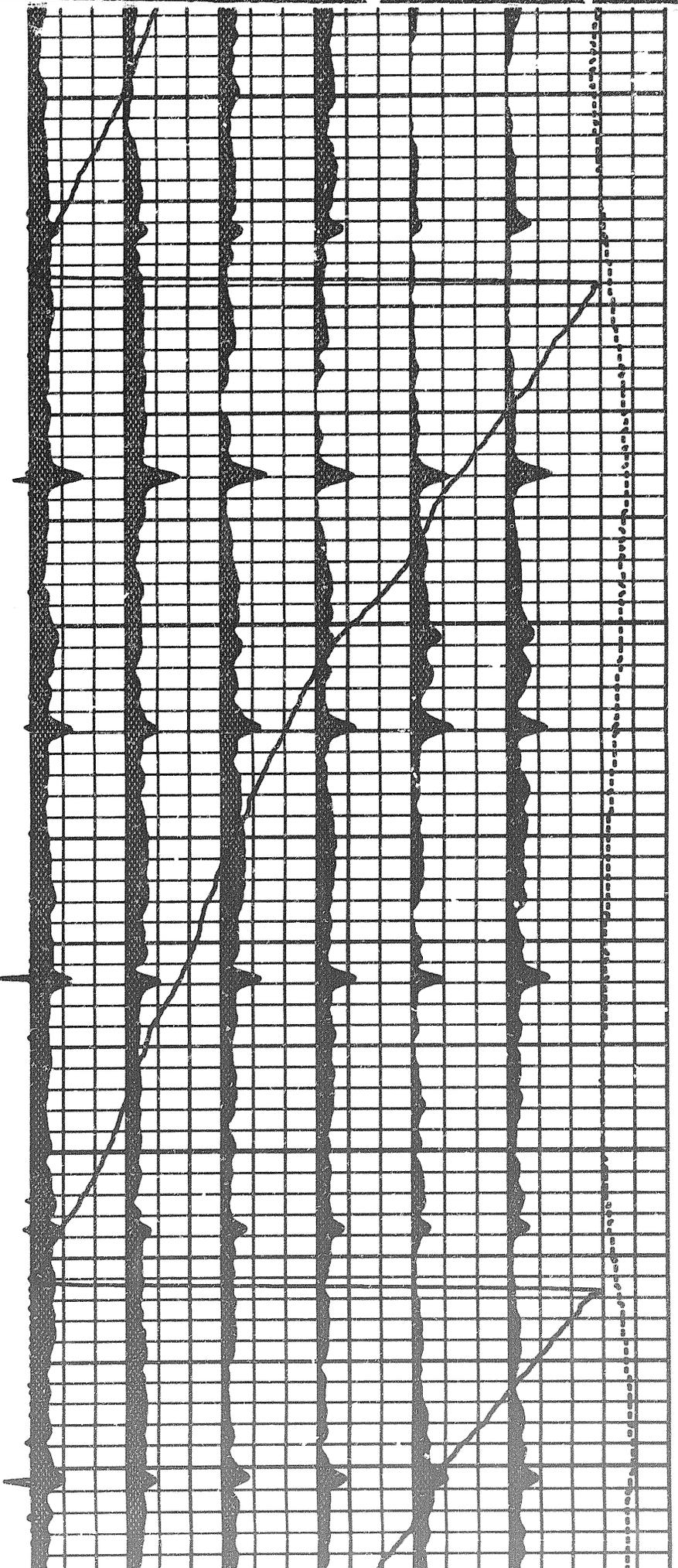


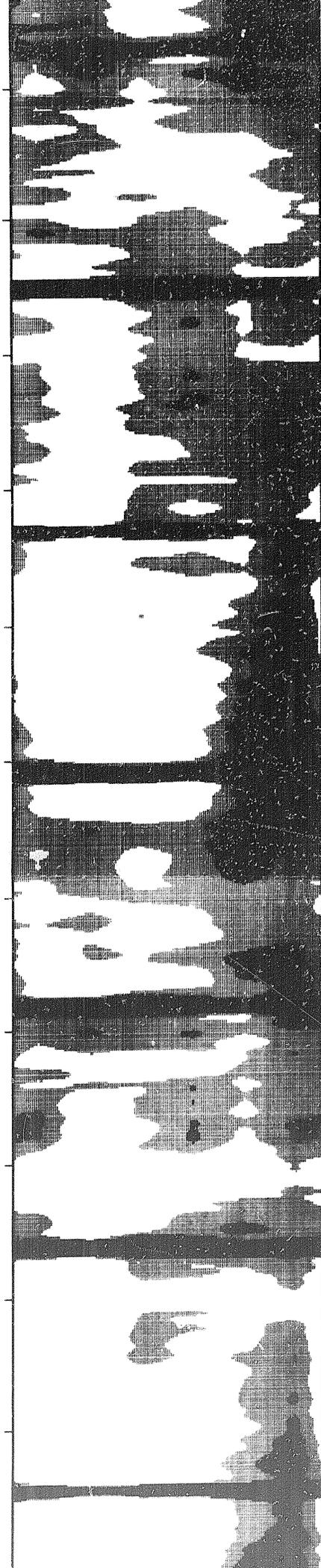


3025

3050

3075

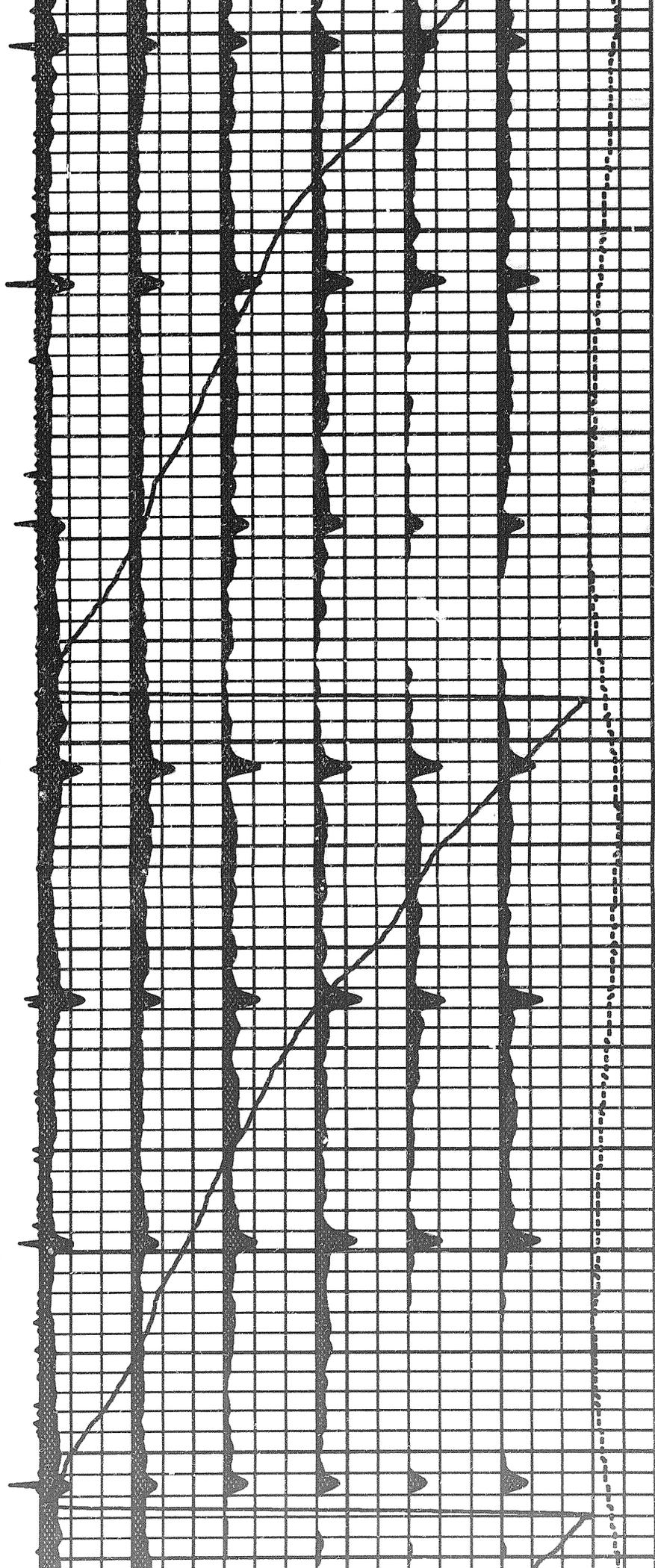




3100

3125

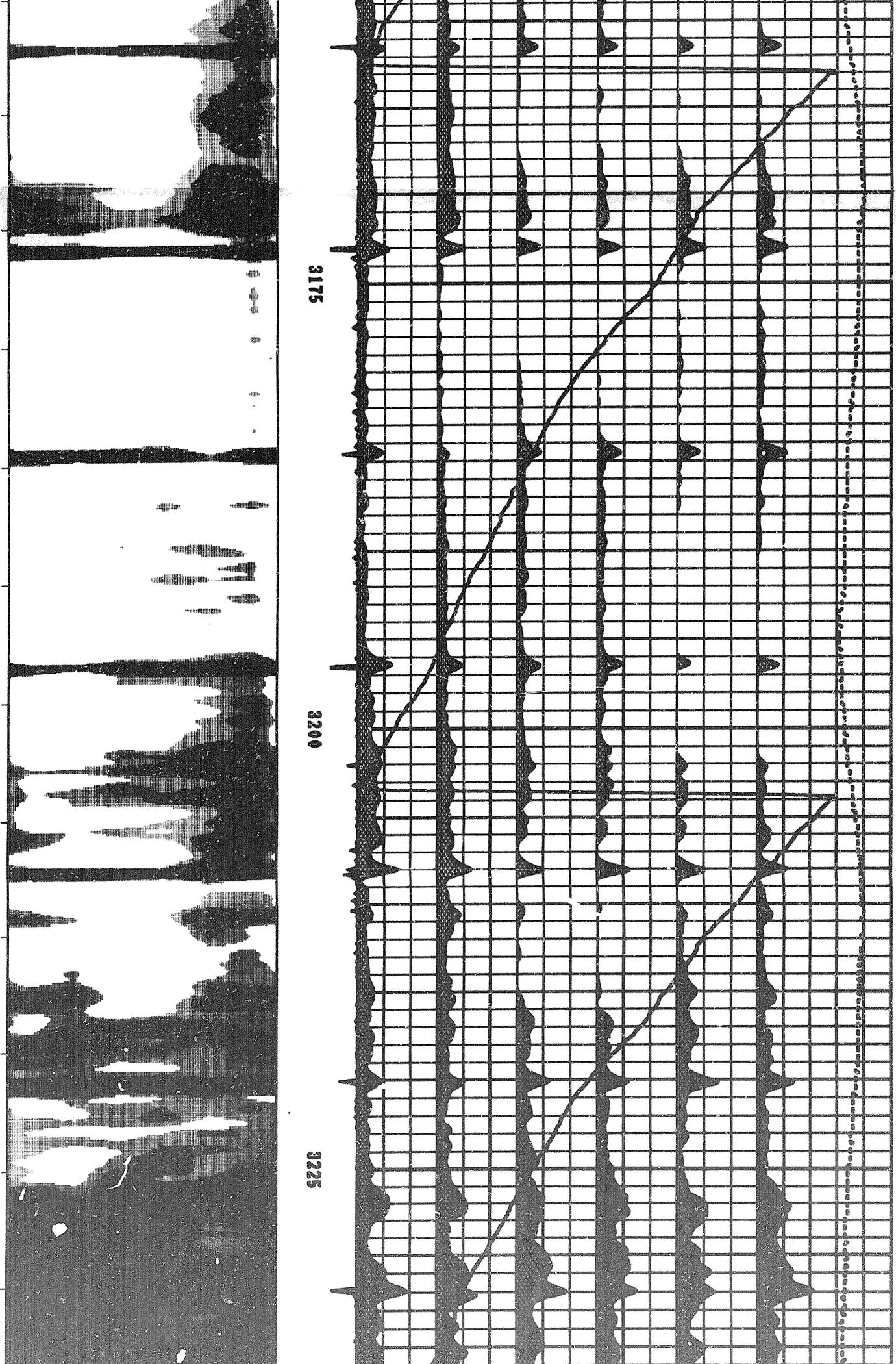
3150



3175

3200

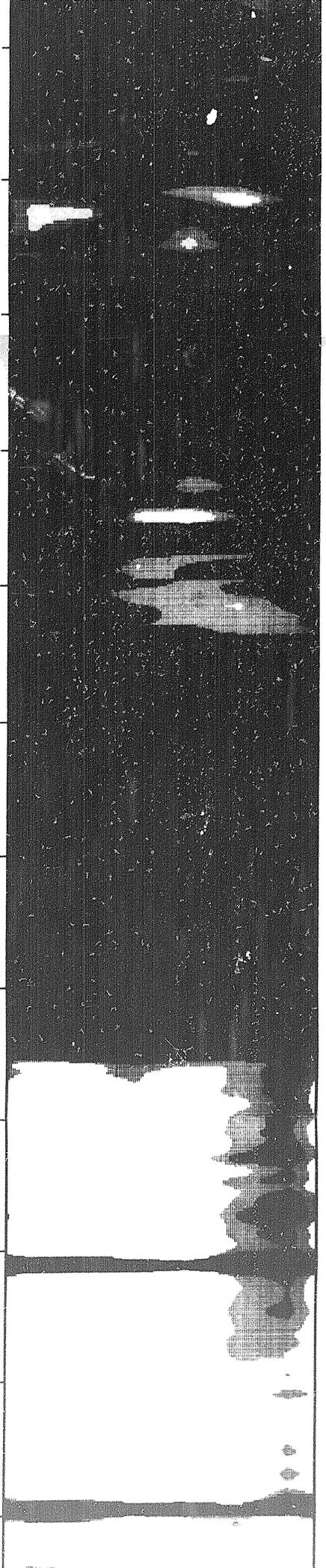
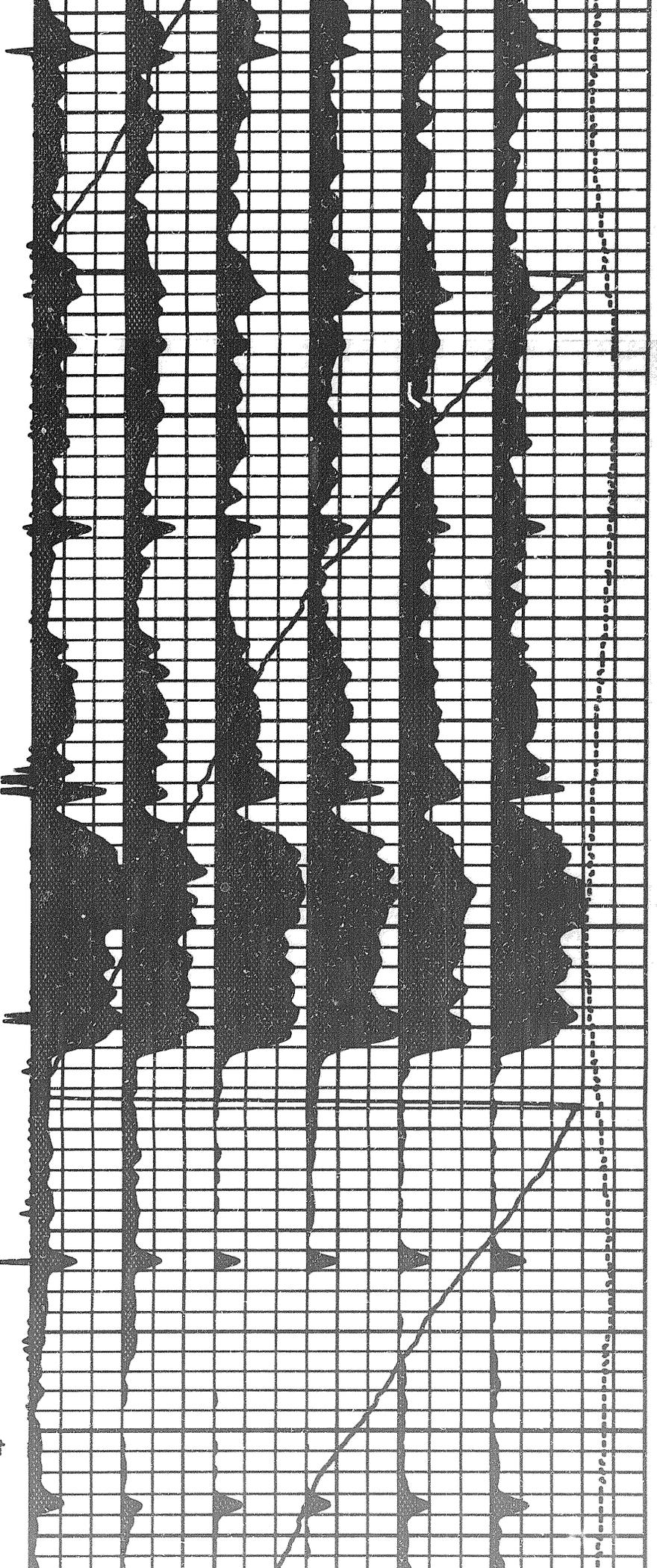
3225

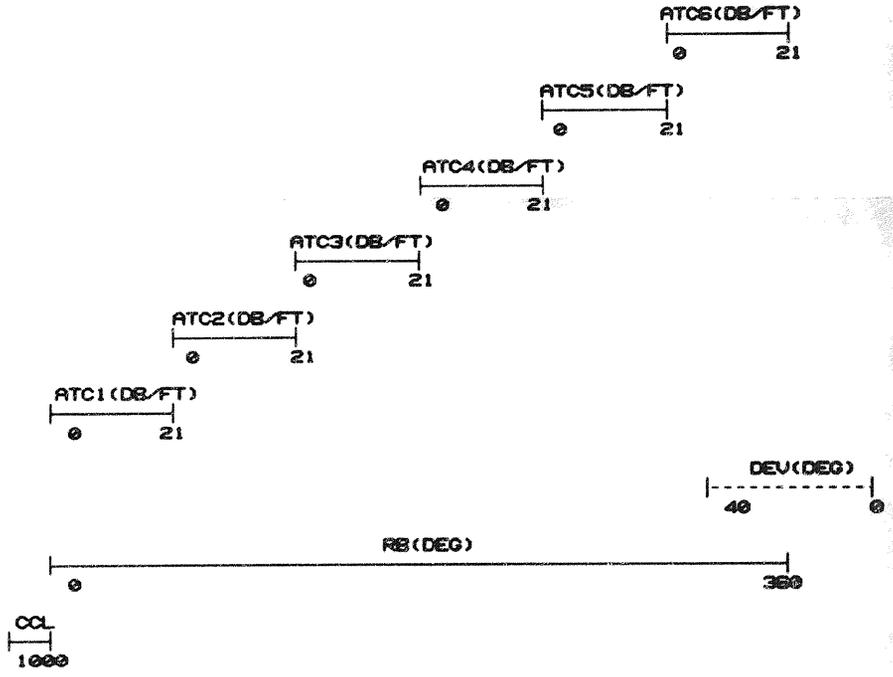
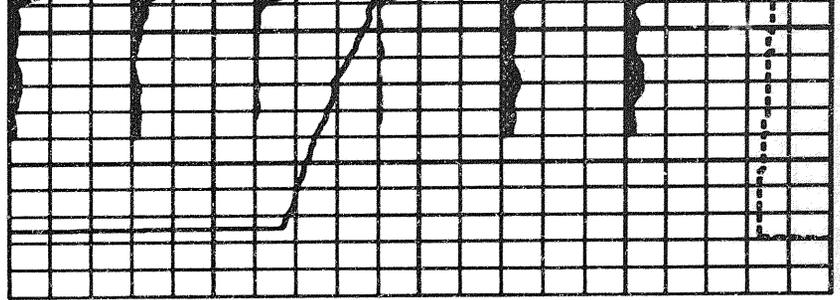
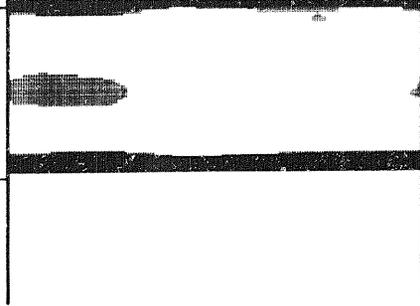


3250

3275

3300





FILE: 5

PASS TWO MAP SECTION

FILE: 4

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
GR	9.2	METERS
CCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AT1	3.4	METERS
AT2	3.4	METERS
AT3	3.4	METERS
AT4	3.4	METERS
AT5	3.4	METERS
AT6	3.4	METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

*** NONE ***

COMPANY: COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

RUN: 1

WELL NAME: COLUMBIA ET AL. KOTANEELIE I-48 YT

TRIP: 1

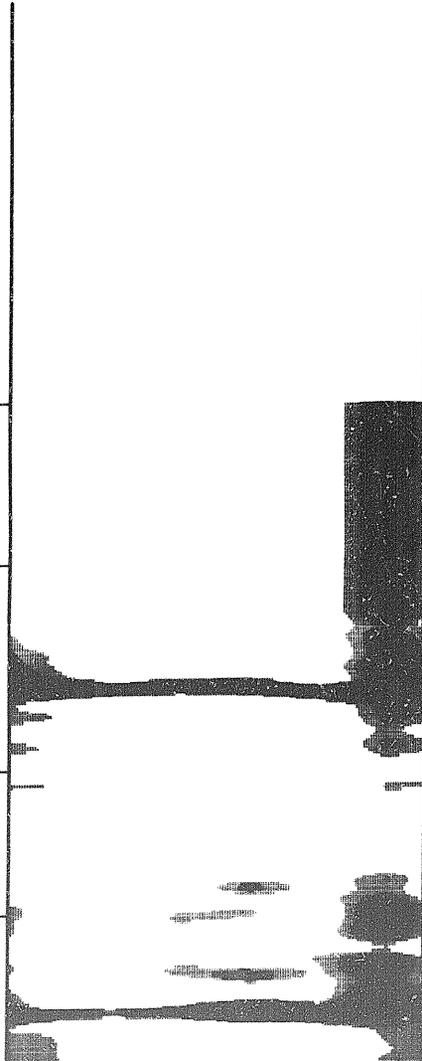
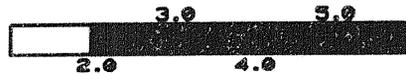
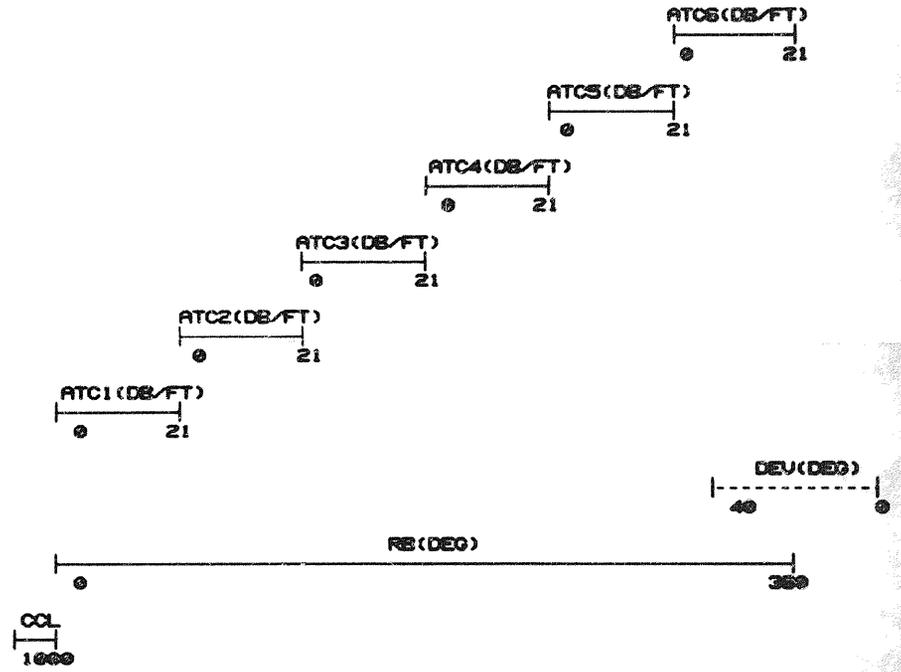
SERVICE: L 702A FILE: 4

DATE: 01/12/91

TIME: 04:02:32

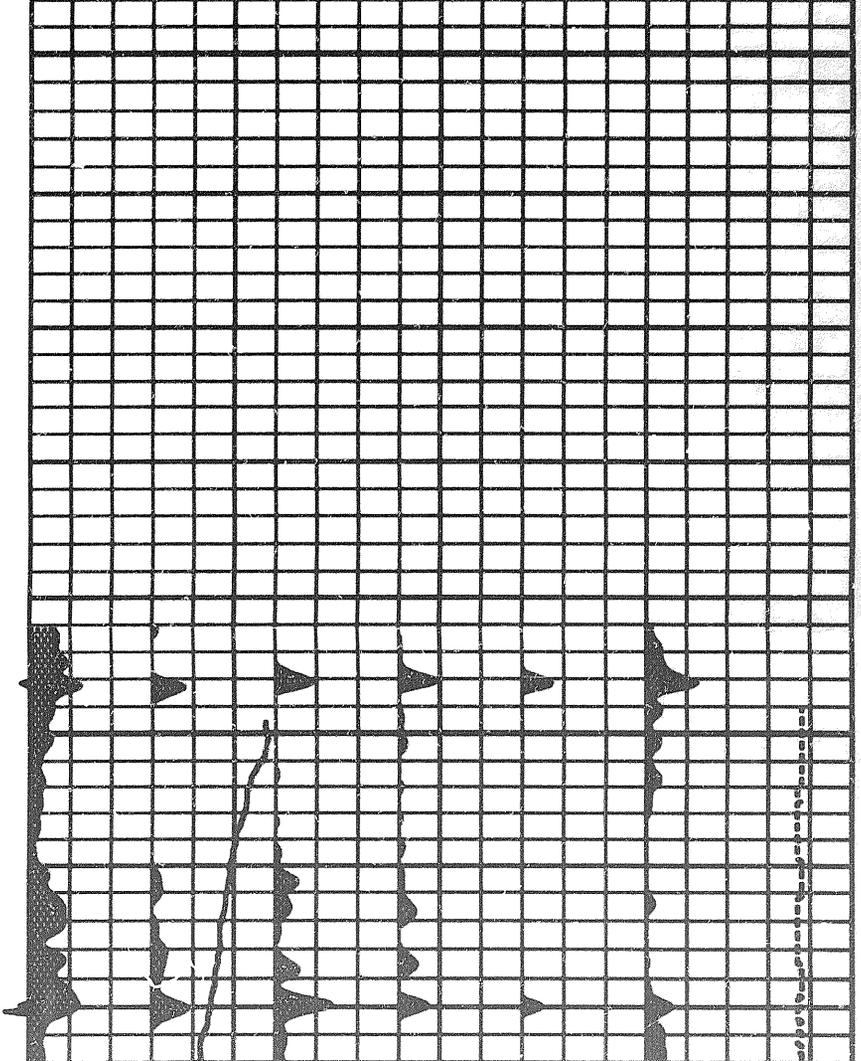
REVISION: FSYS256 REV:0002 VER:4.0

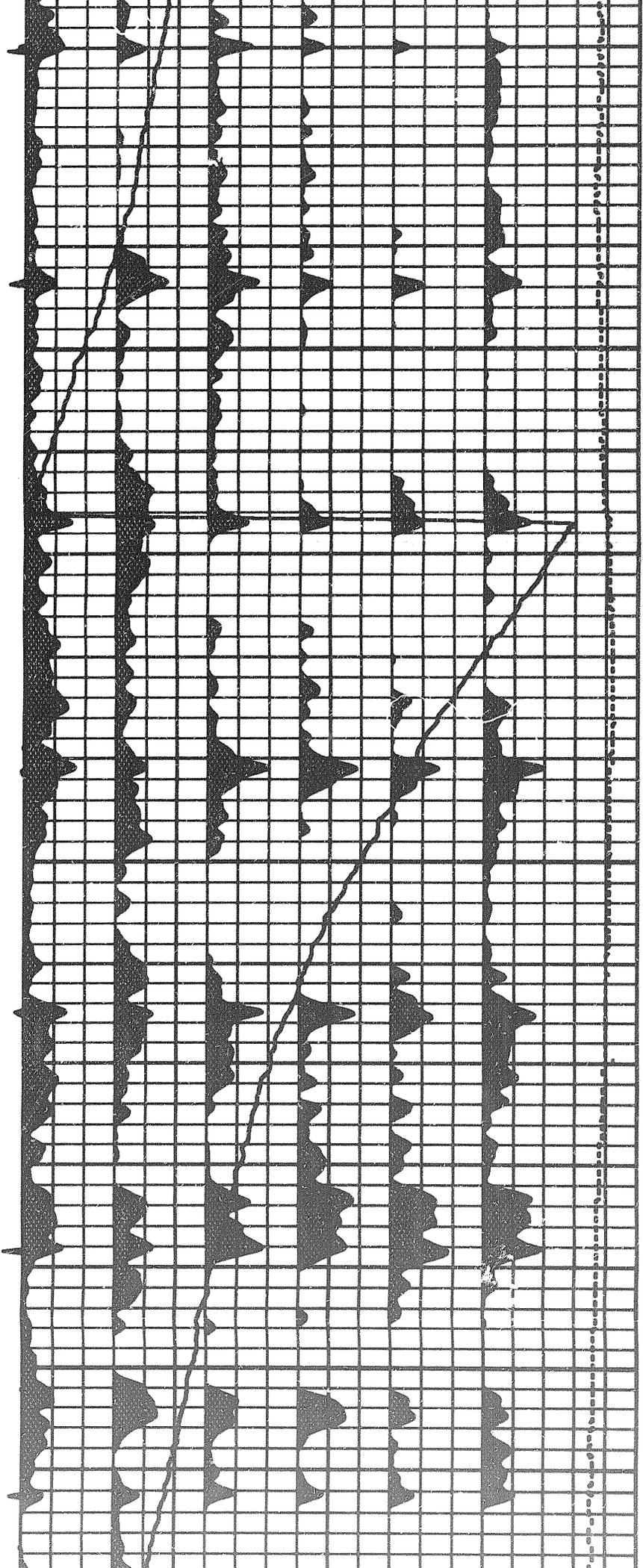
MODE: RECORD



2475

2500

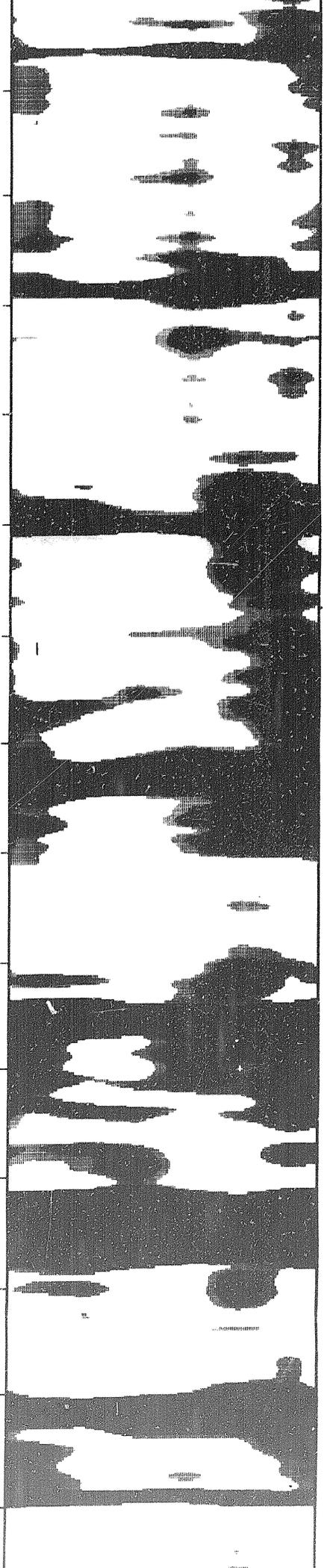


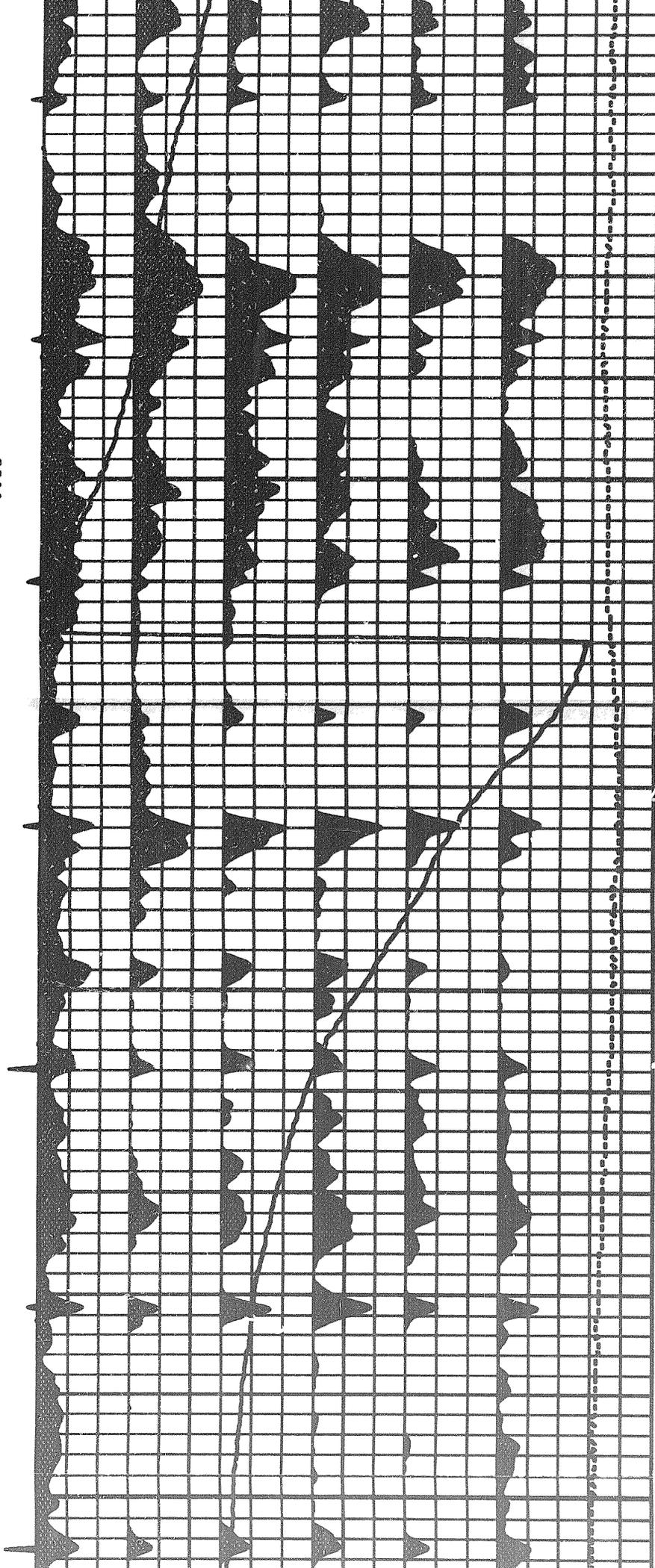


2525

2550

2575

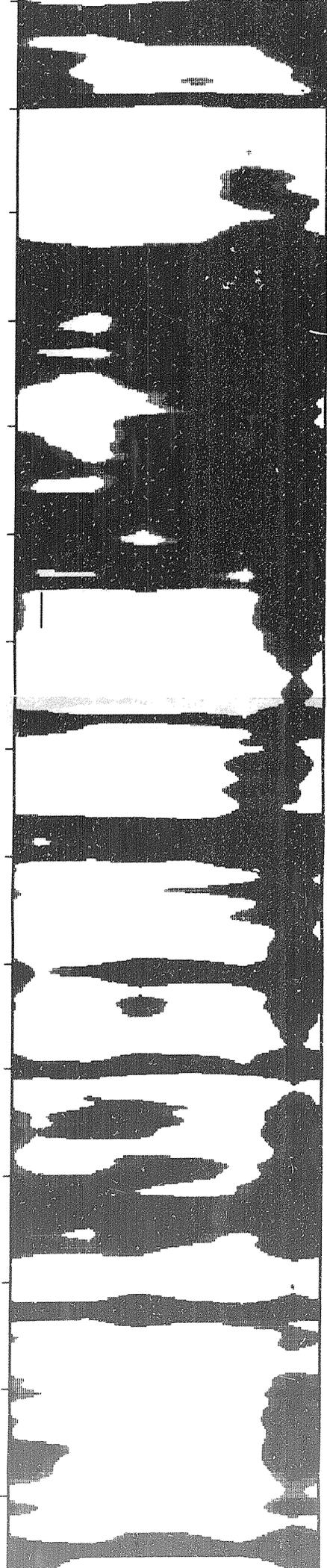


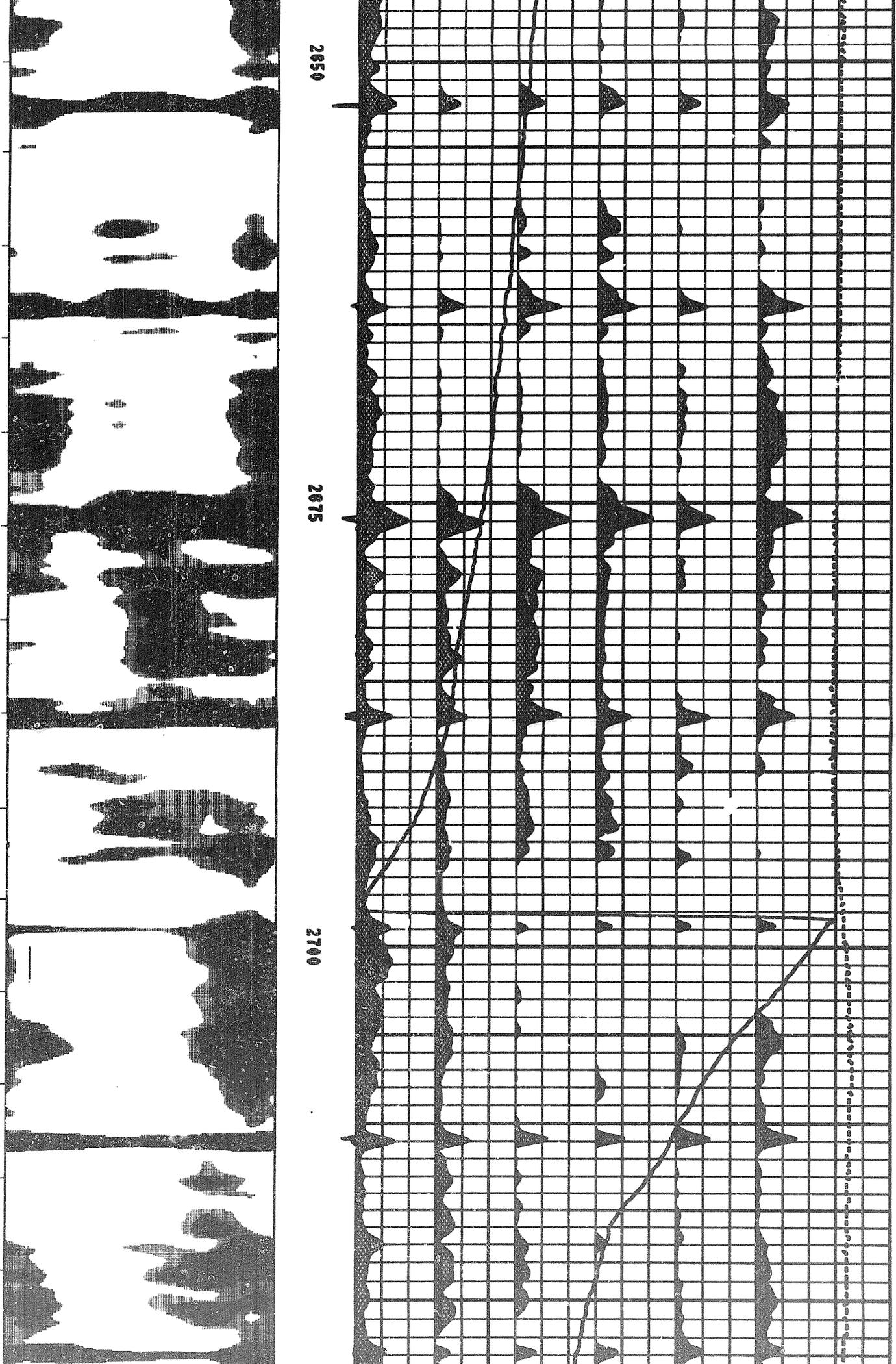


2800

2825

2850

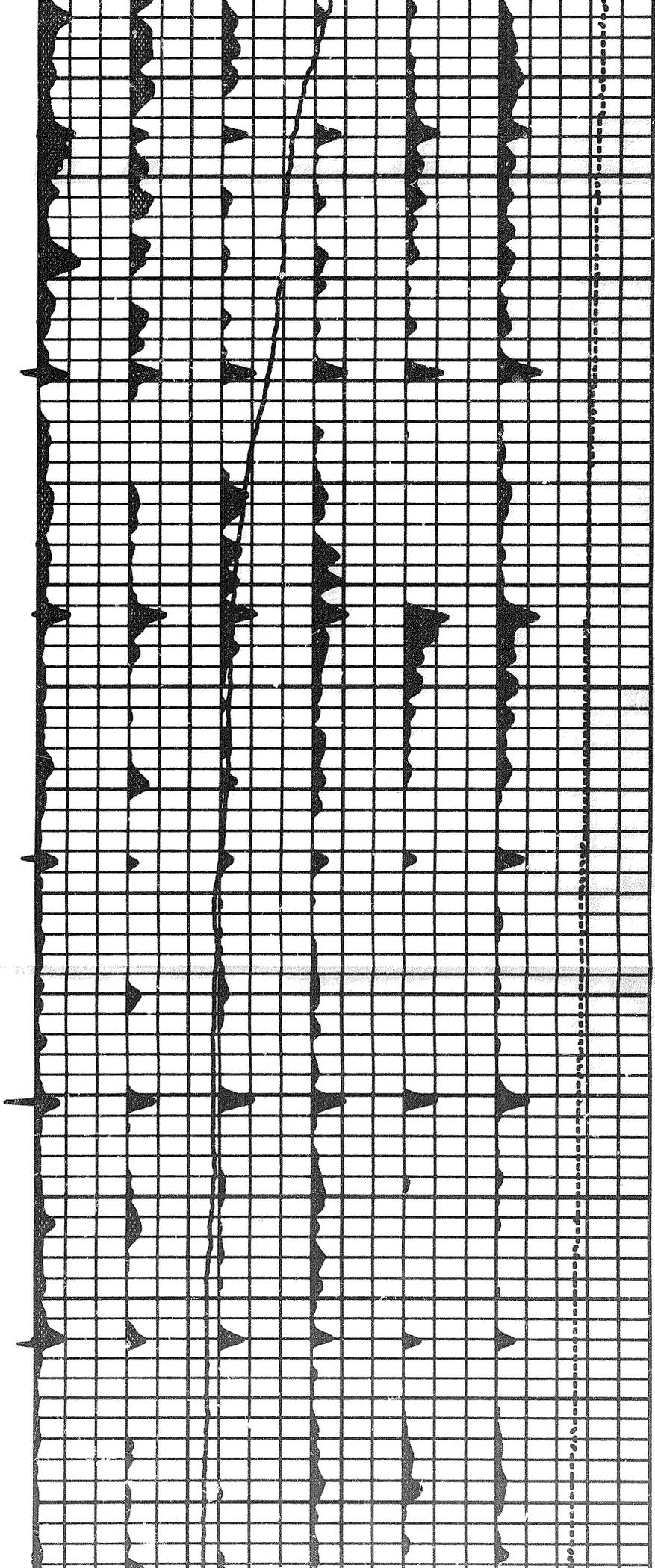




2850

2675

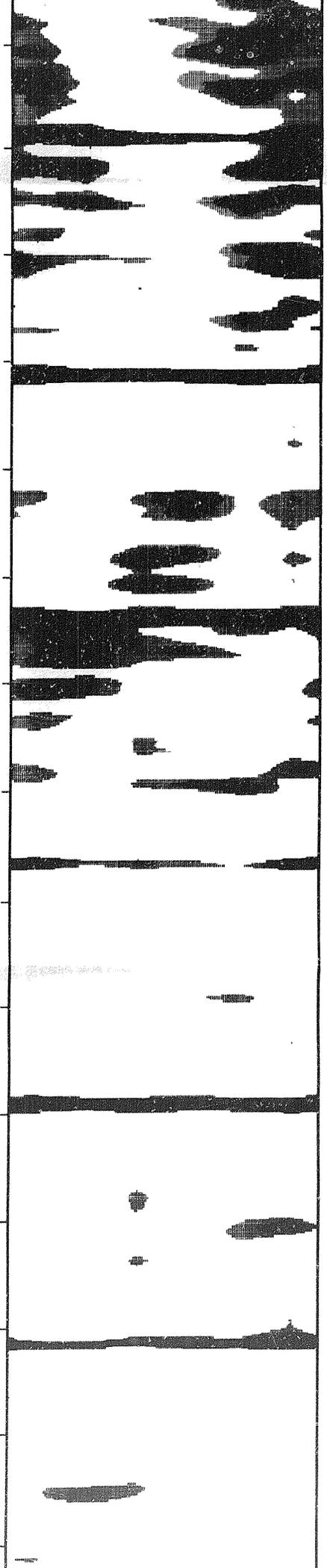
2700

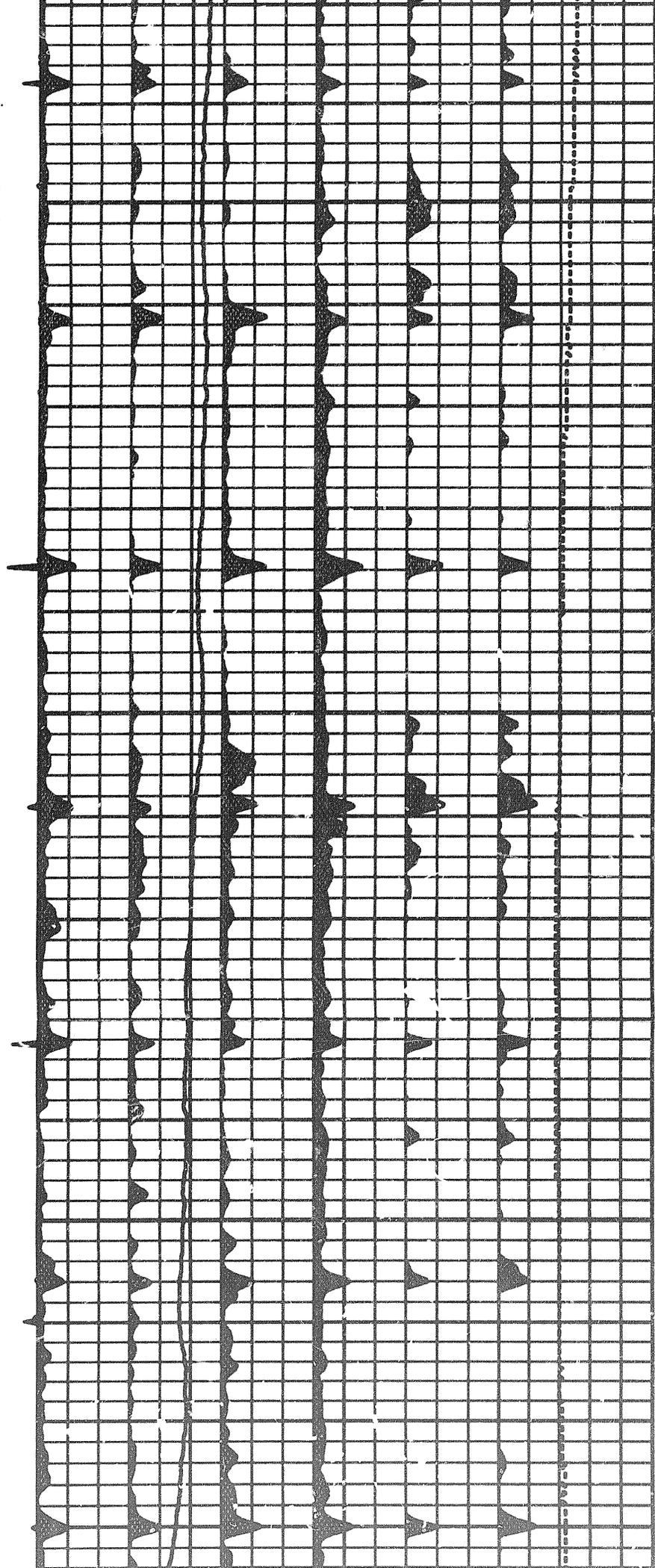


2725

2750

2775

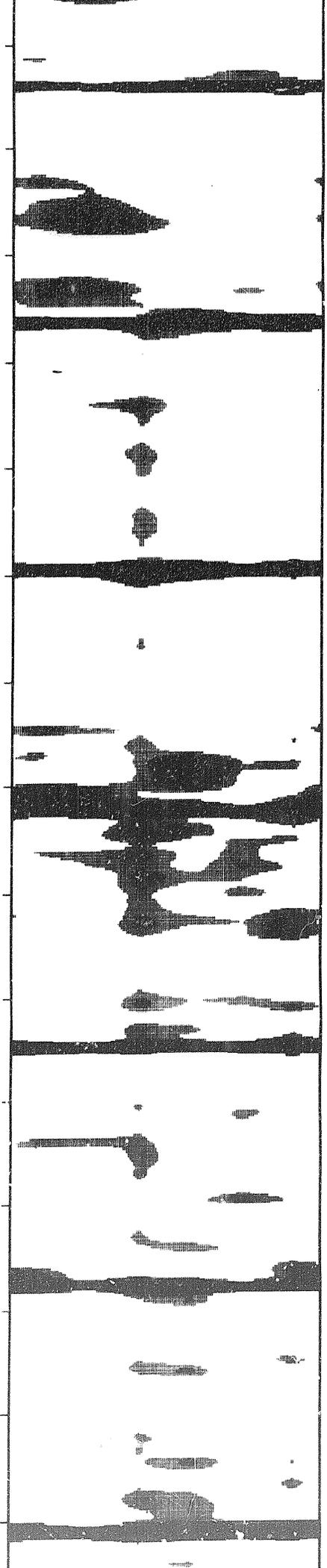




2800

2825

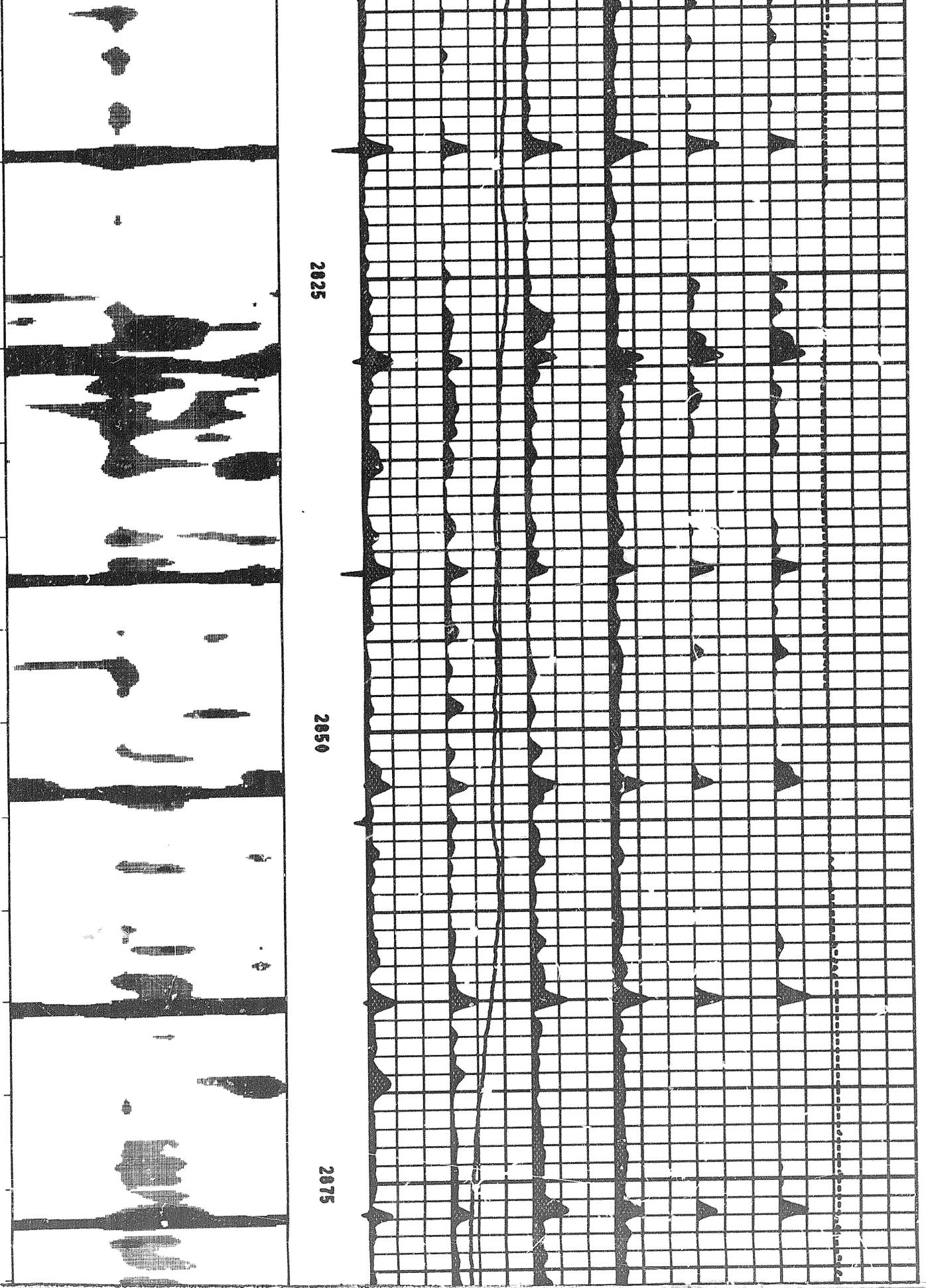
2850

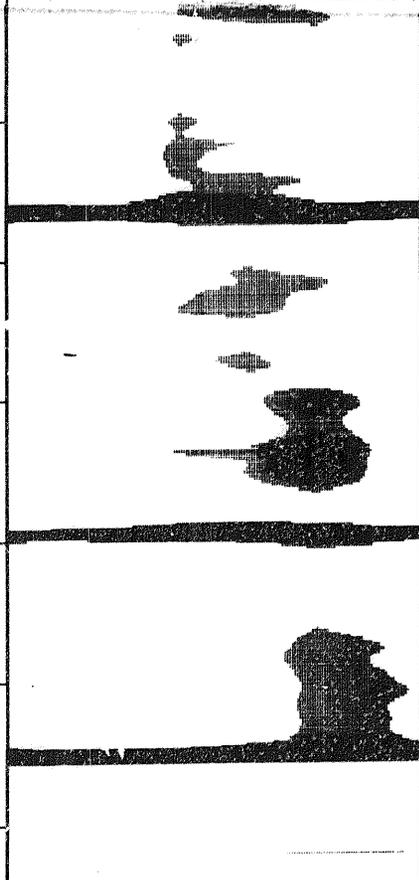


2825

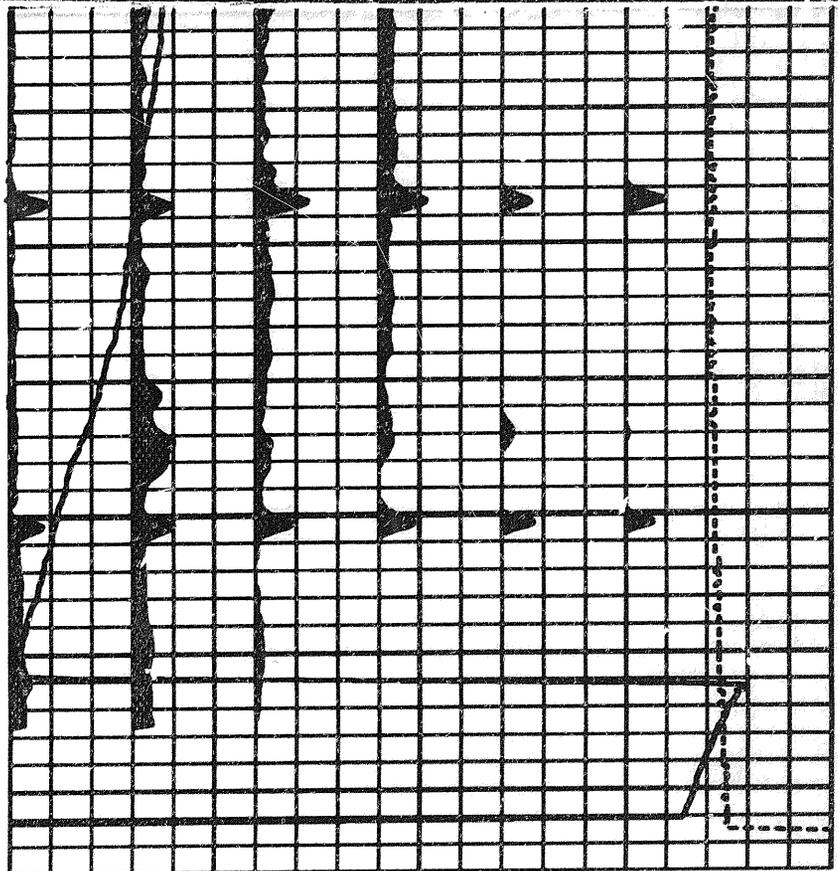
2850

2875





2900



ATC6 (DB/FT)
0 21

ATC5 (DB/FT)
0 21

ATC4 (DB/FT)
0 21

ATC3 (DB/FT)
0 21

ATC2 (DB/FT)
0 21

ATC1 (DB/FT)
0 21

DEV (DEG)
40 0

RB (DEG)
0 360

CCL
1000

FILE: 4

PASS ONE MAP SECTION

FILE: 3

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
OR	9.2	METERS
OCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AAT1	3.4	METERS
AAT2	3.4	METERS
AAT3	3.4	METERS
AAT4	3.4	METERS
AAT5	3.4	METERS
AAT6	3.4	METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

RLN: 1

WELL NAME: COLUMBIA ET AL KOTANDELEE I-48 YT

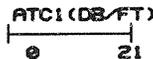
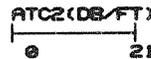
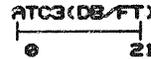
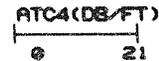
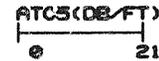
TRIP: 1

SERVICE: L 702A FILE: 3 DATE: 01/18/91

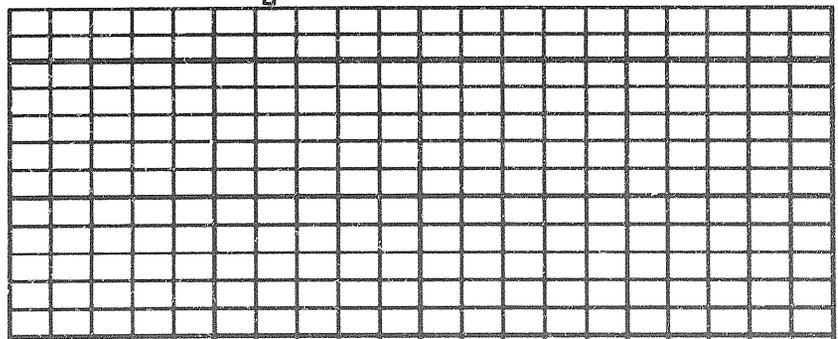
TIME: 01:14:23

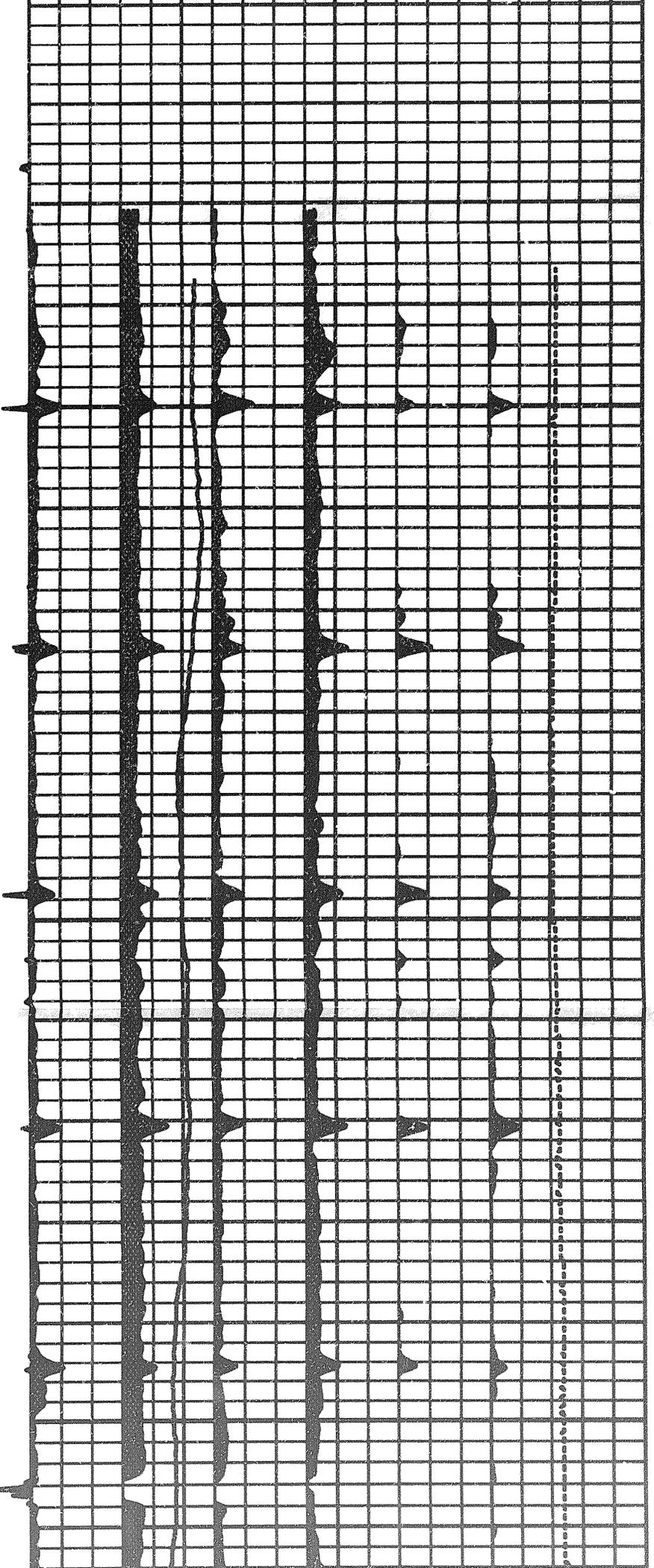
REVISION: FSYS256 REV:0002 VER:4.0

MODE: RECORD



2075

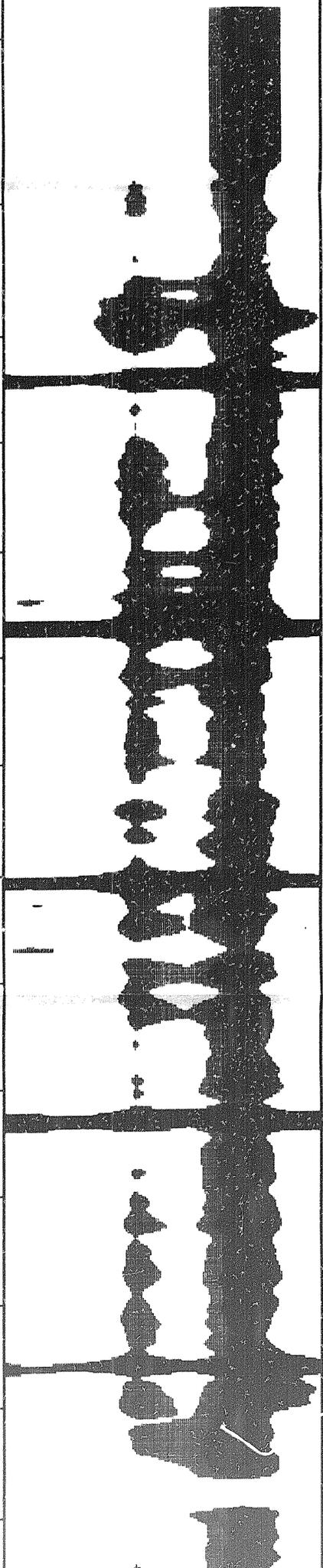


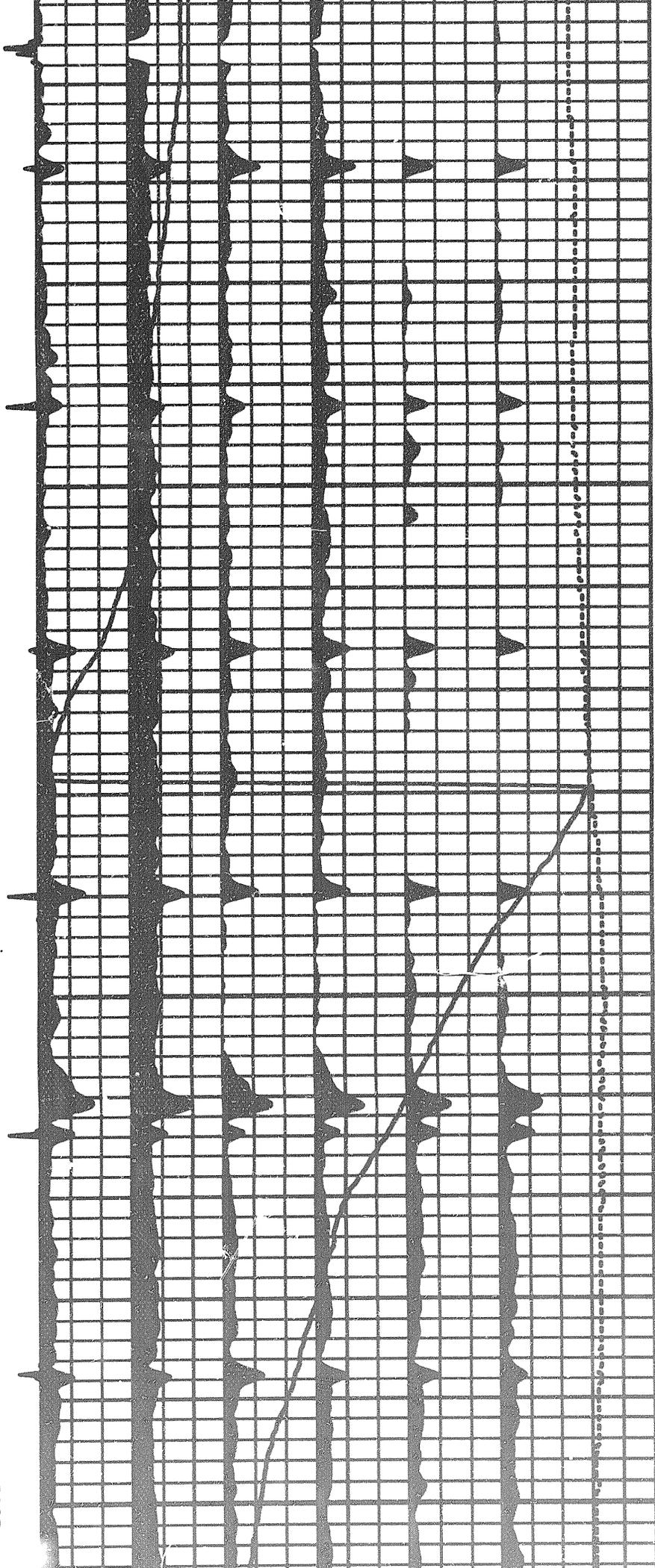


2900

2925

2950

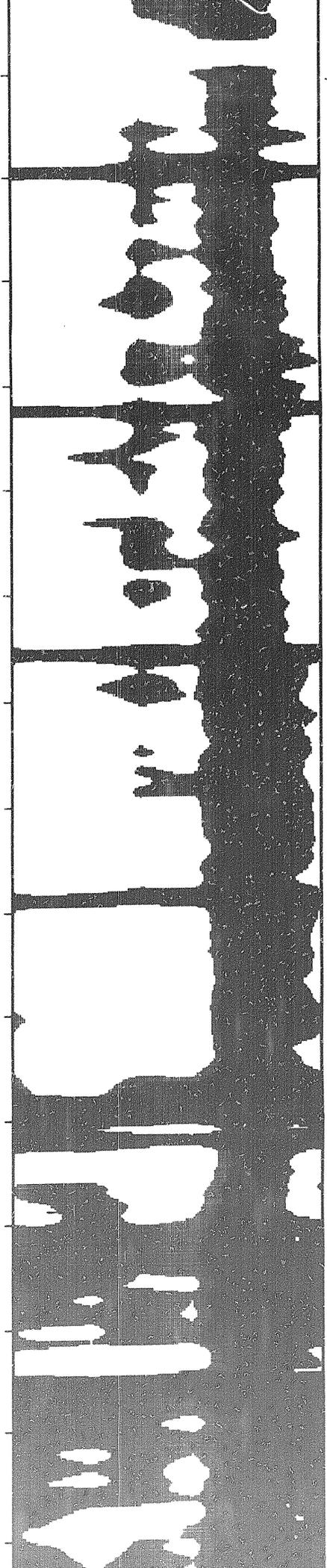


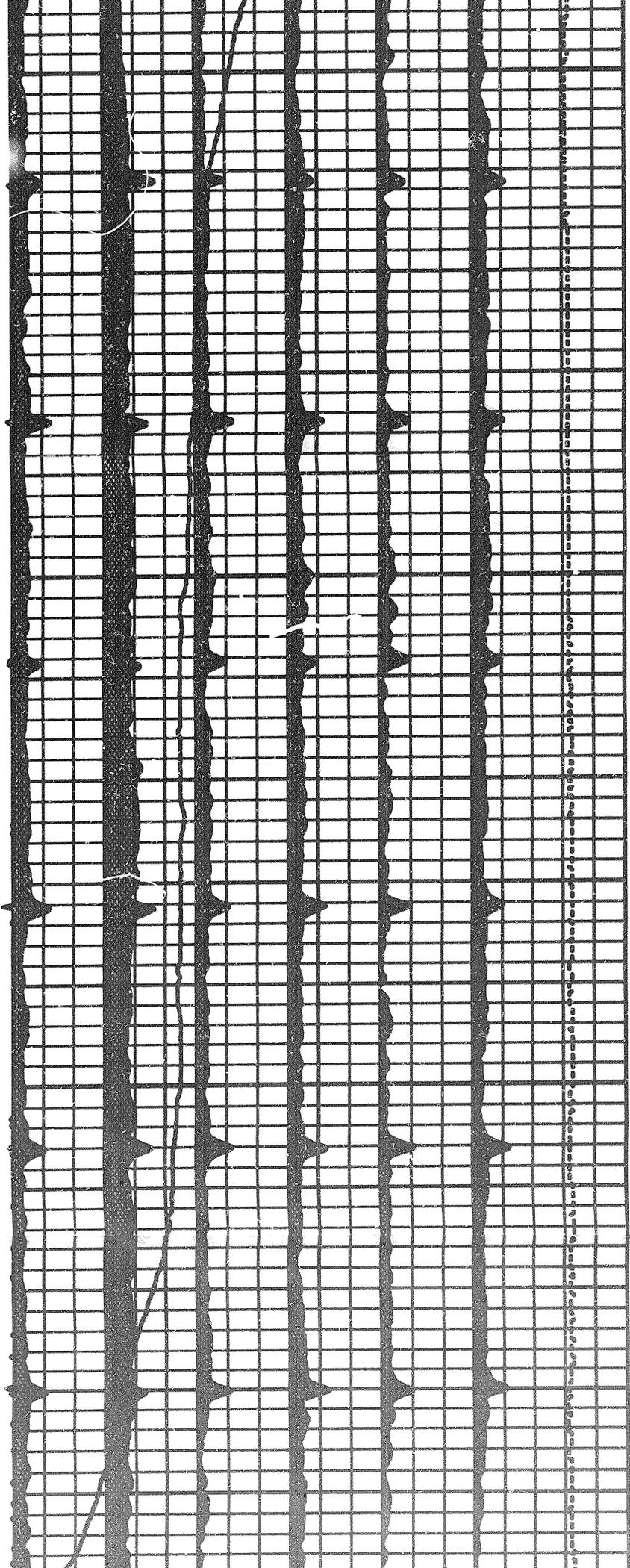


2975

3000

3025

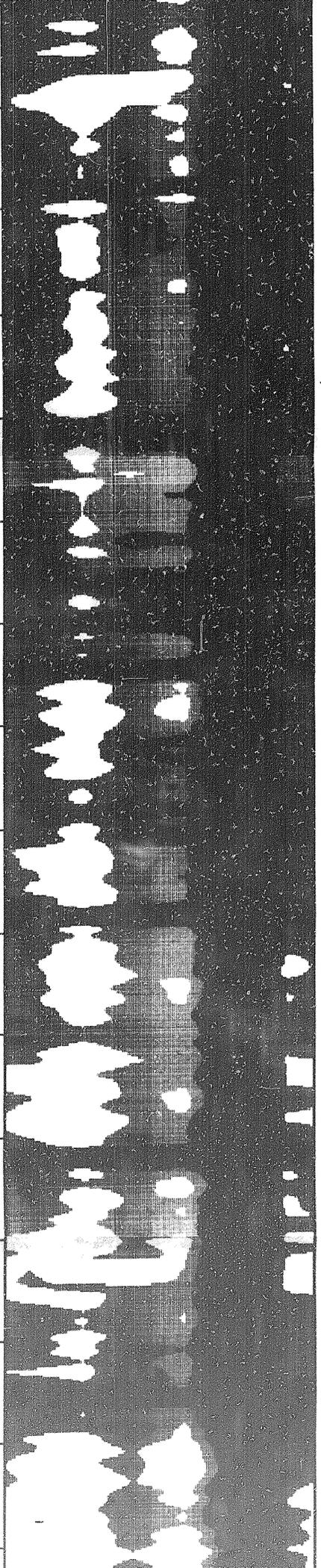




3025

3050

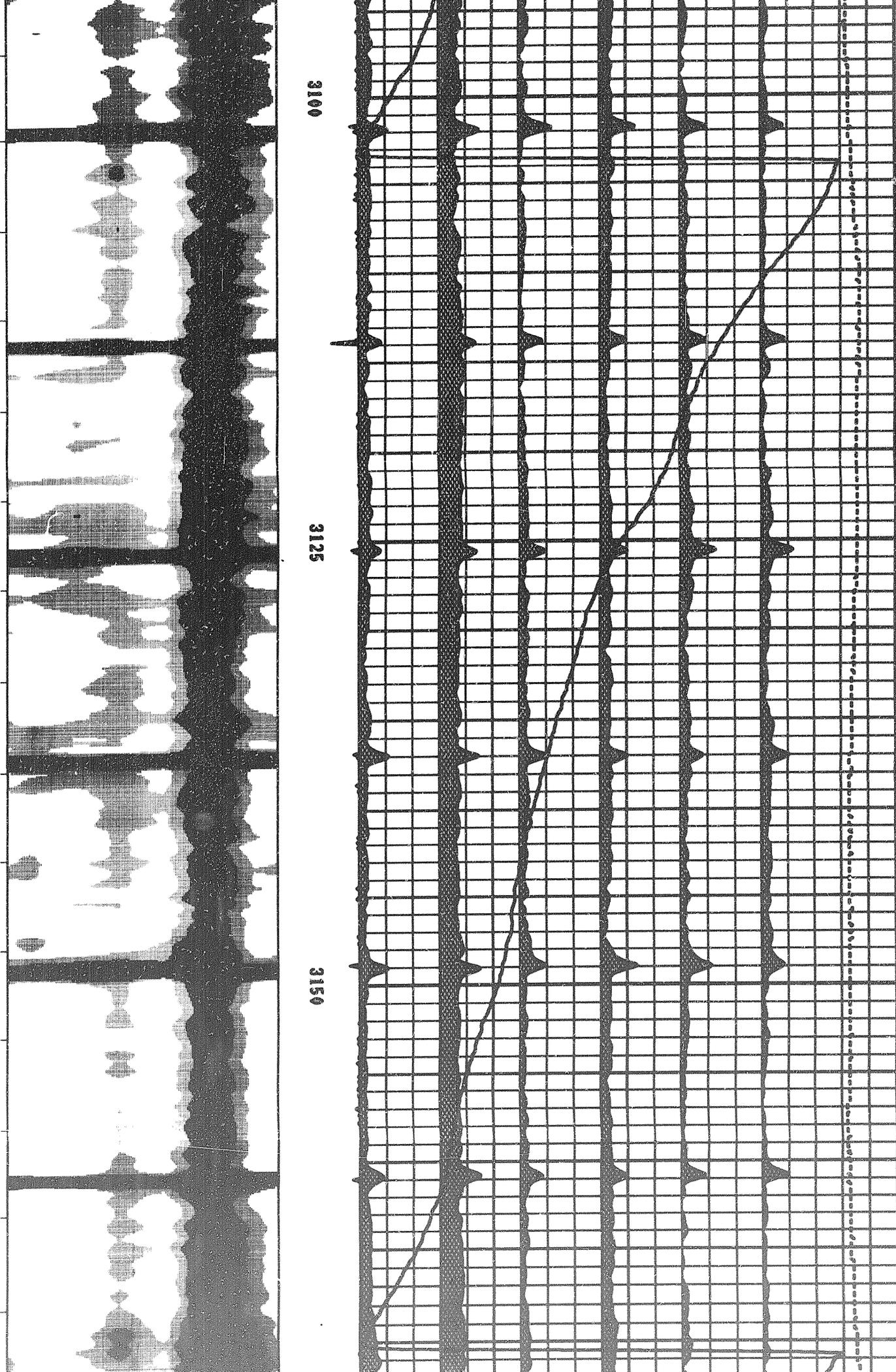
3075

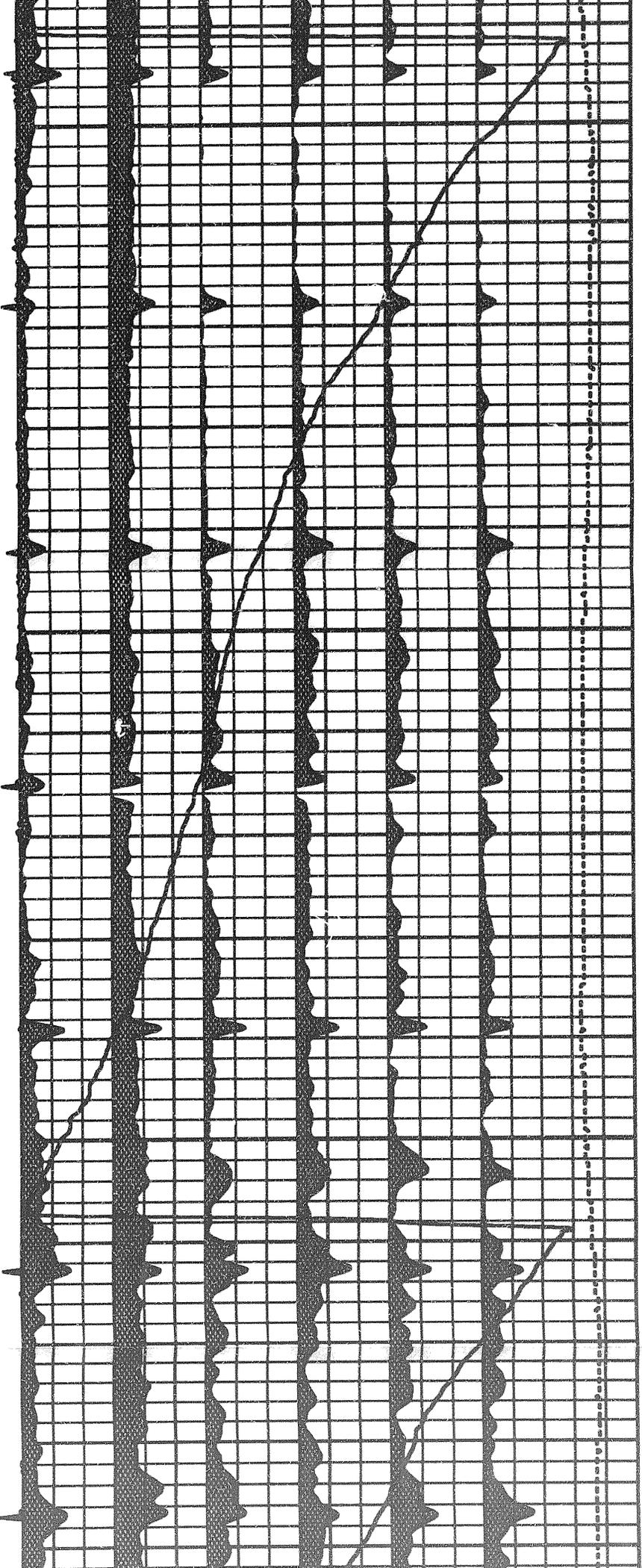


3100

3125

3150

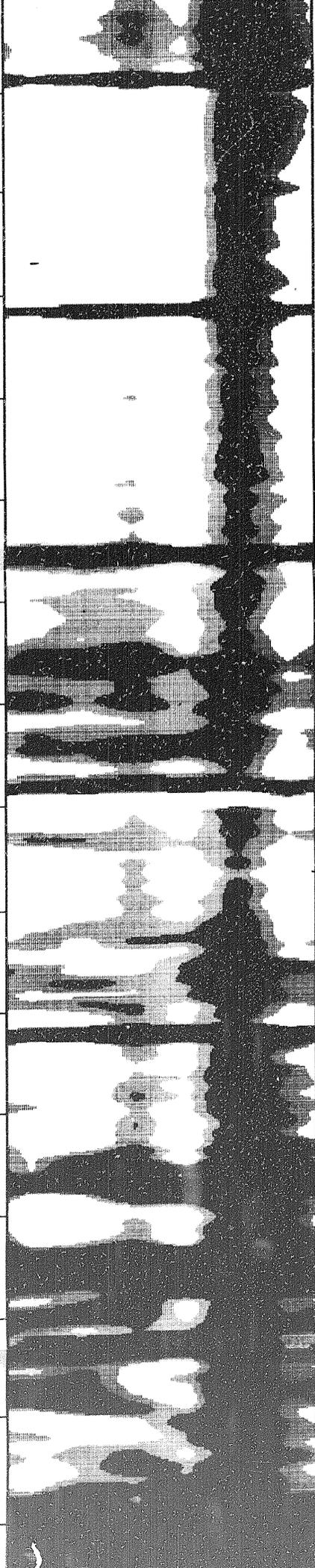


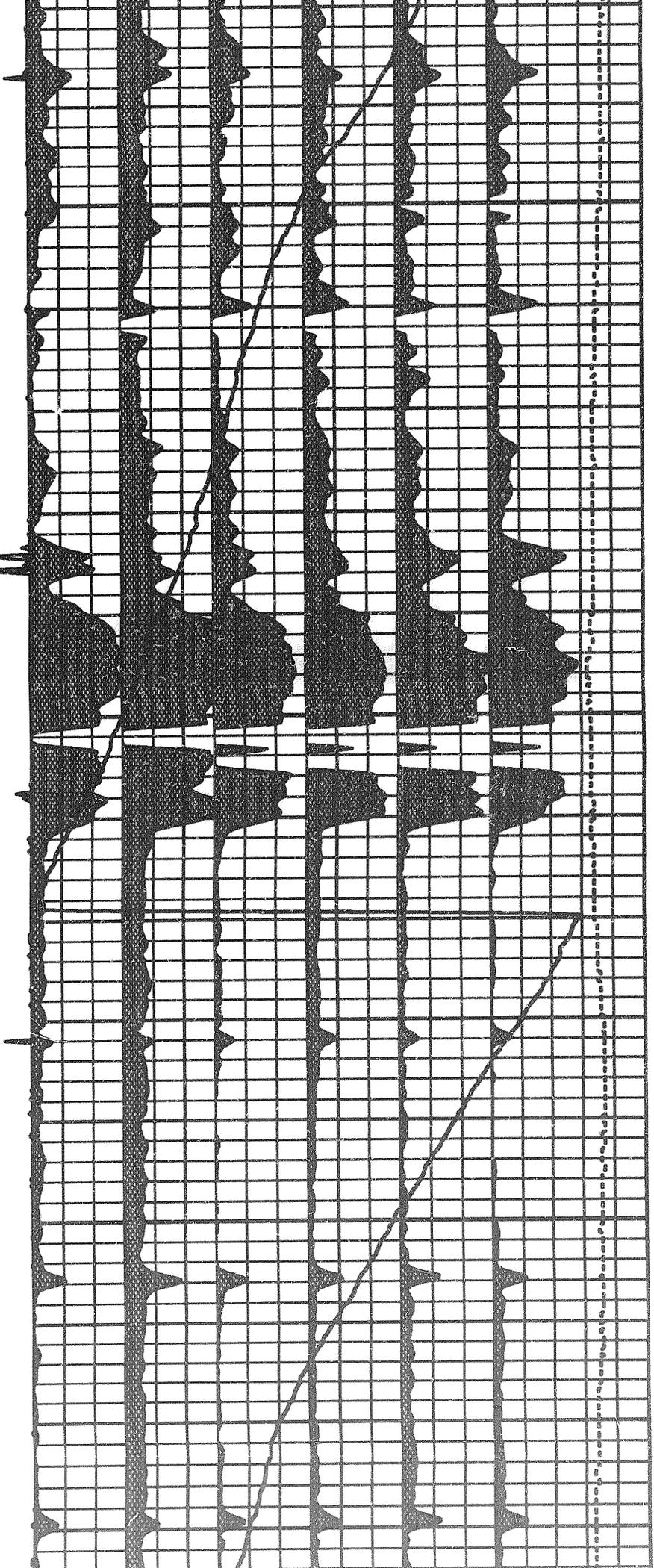


3175

3200

3225

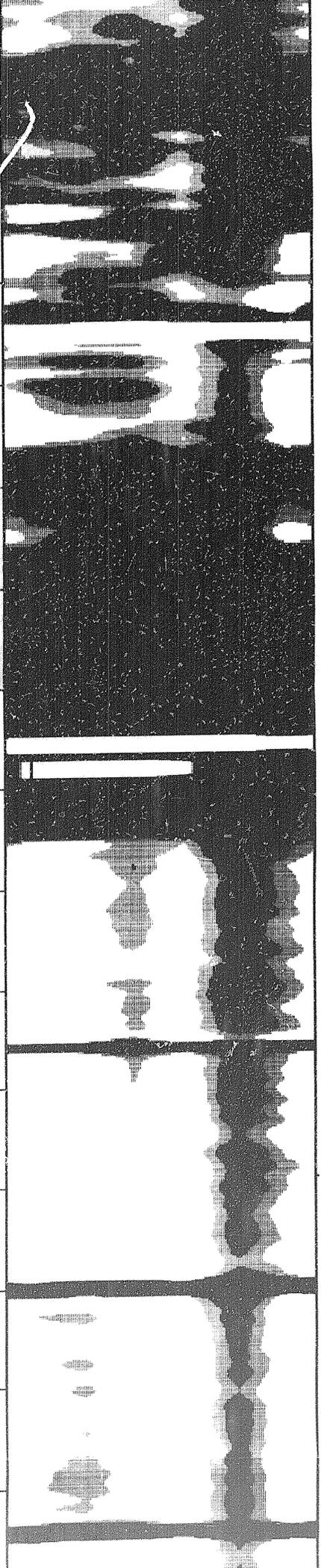


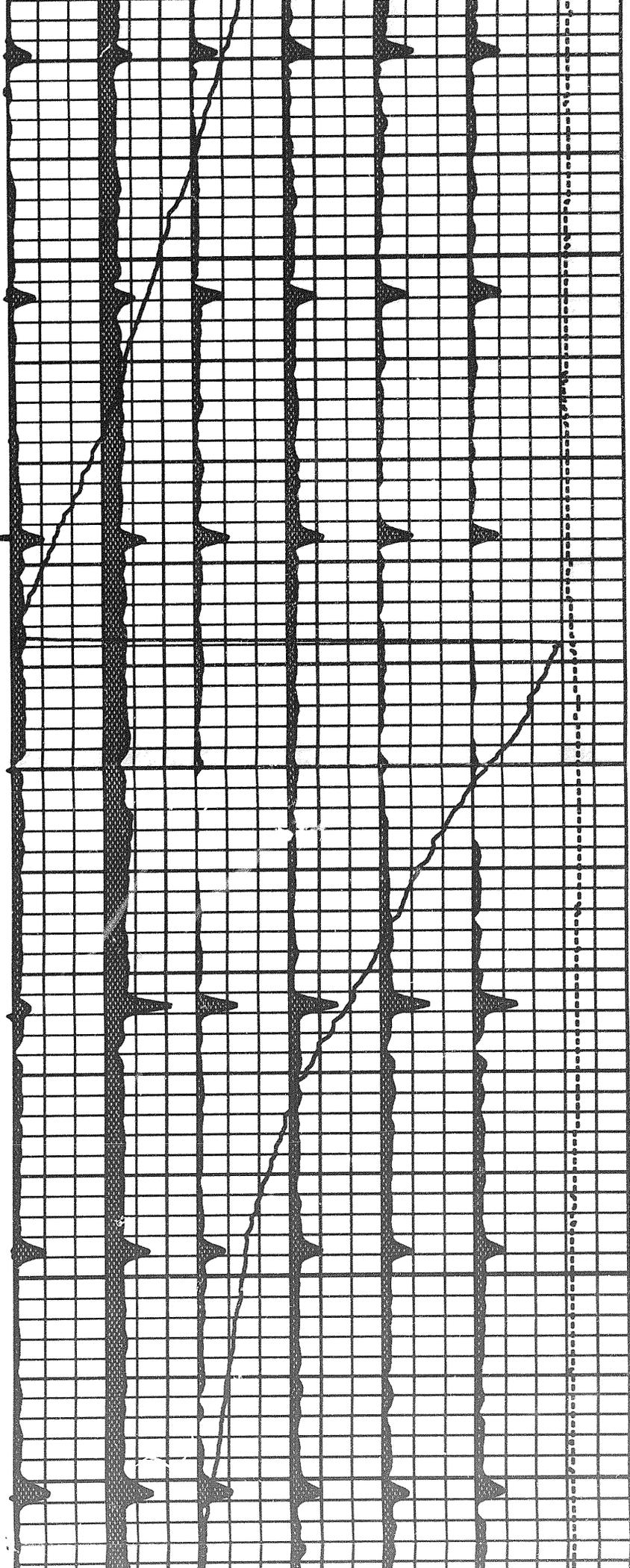


3250

3275

3300

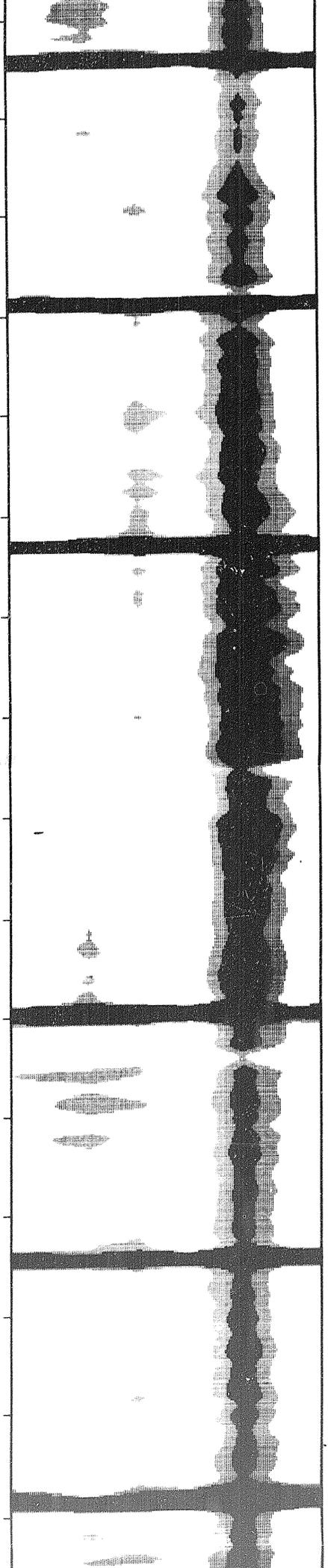


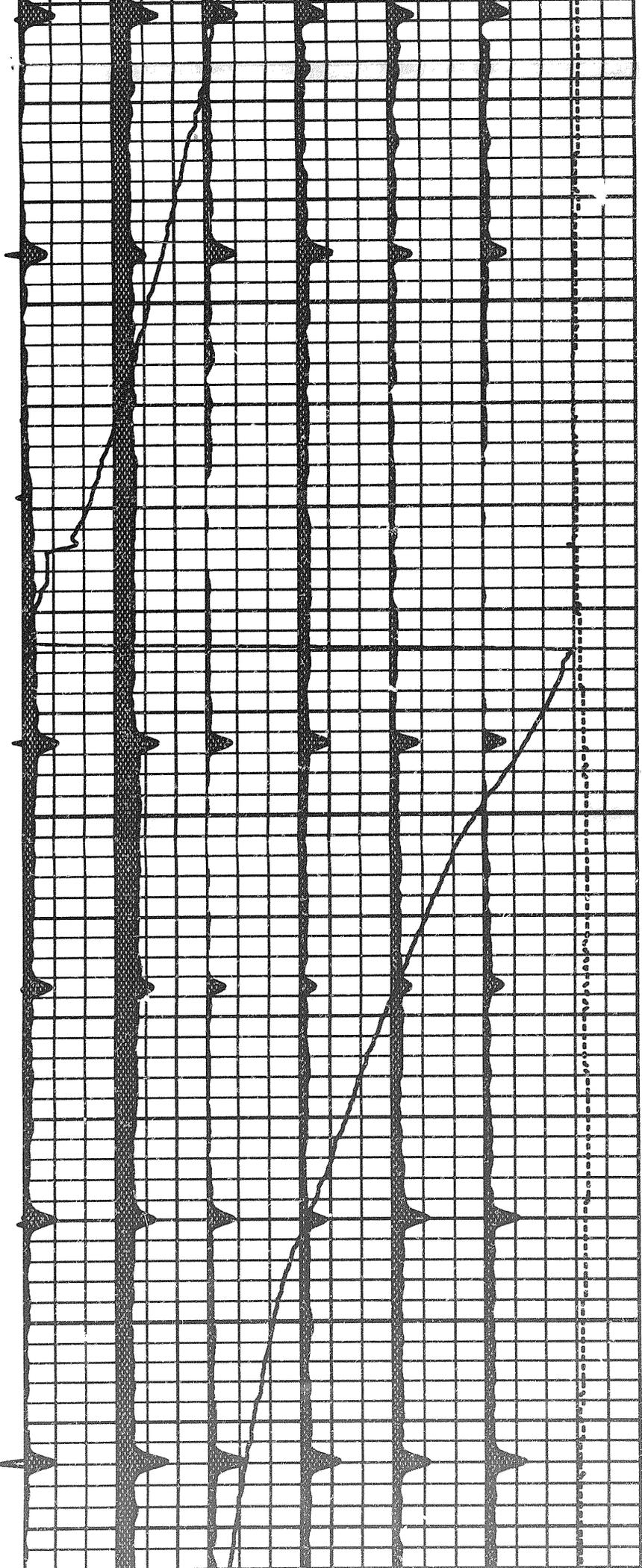


3325

3350

3375

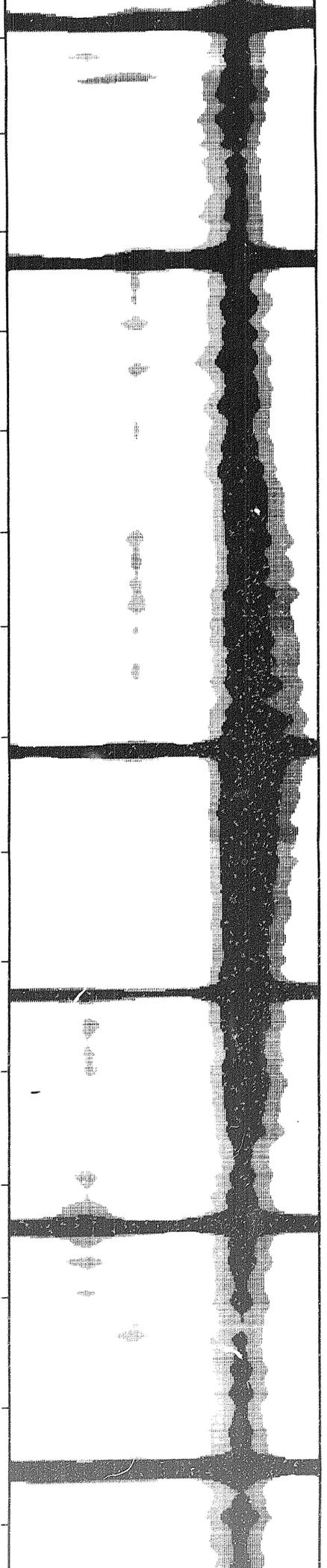


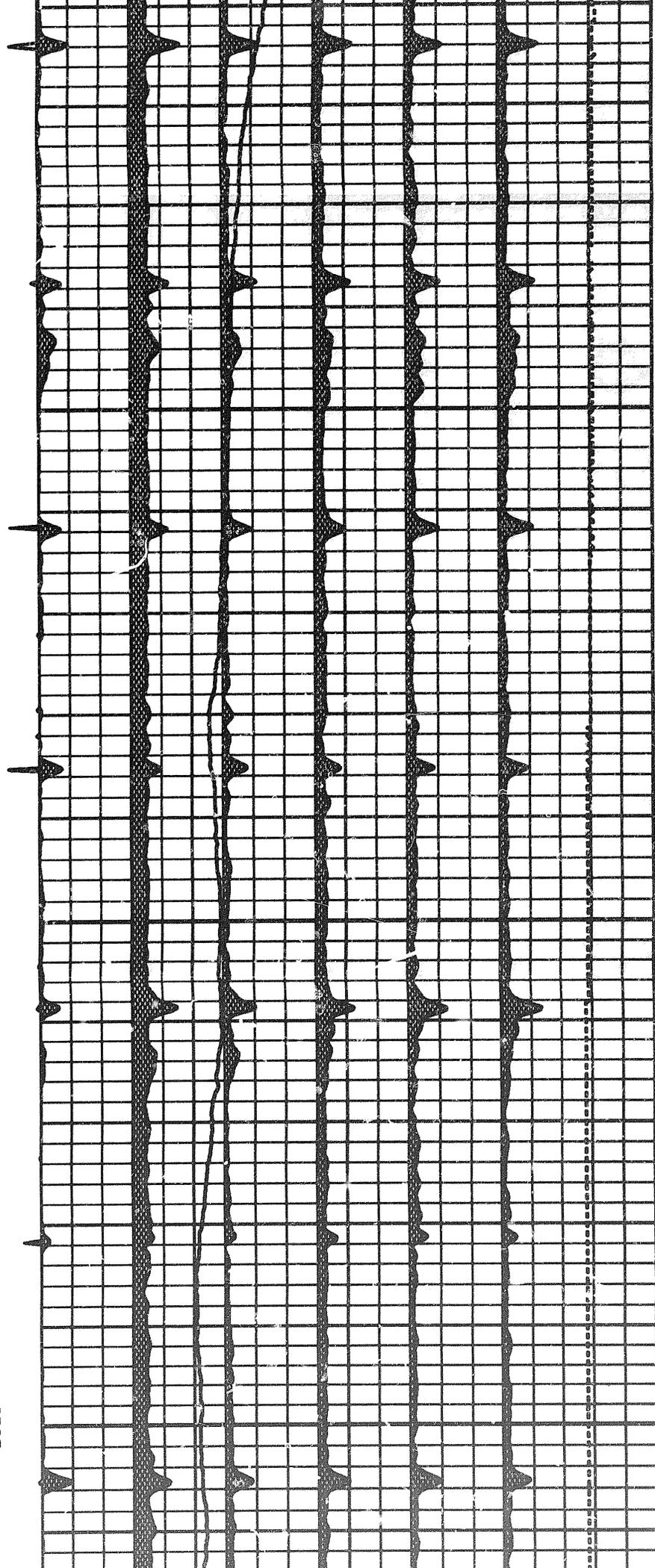


3400

3425

3450

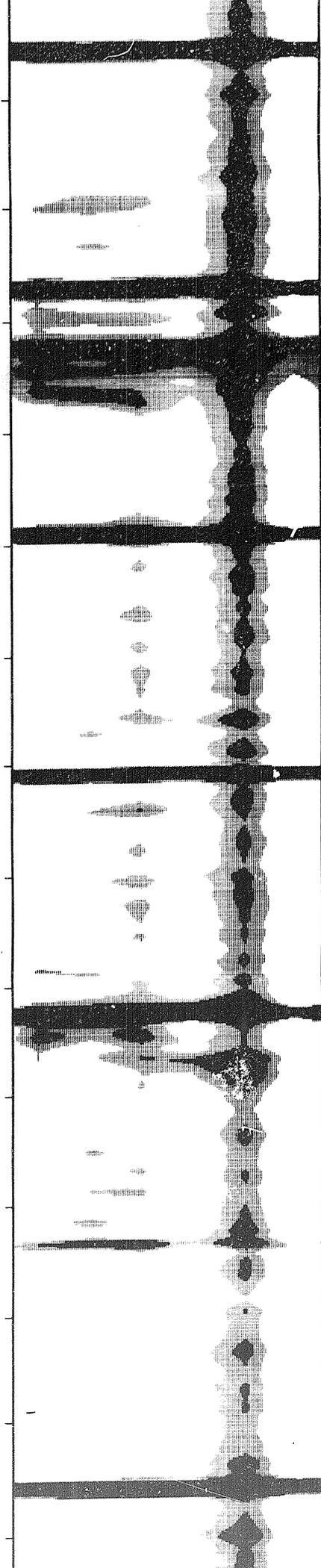




3475

3500

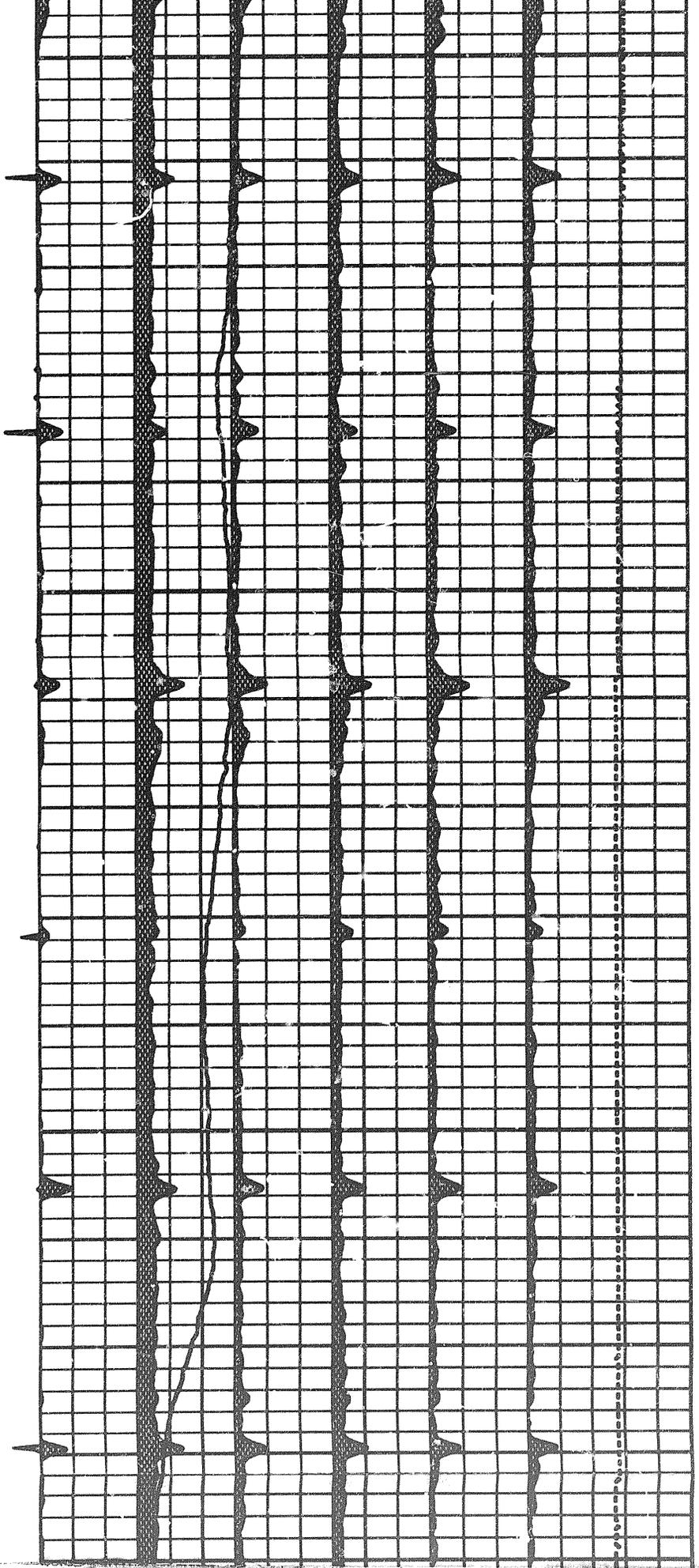
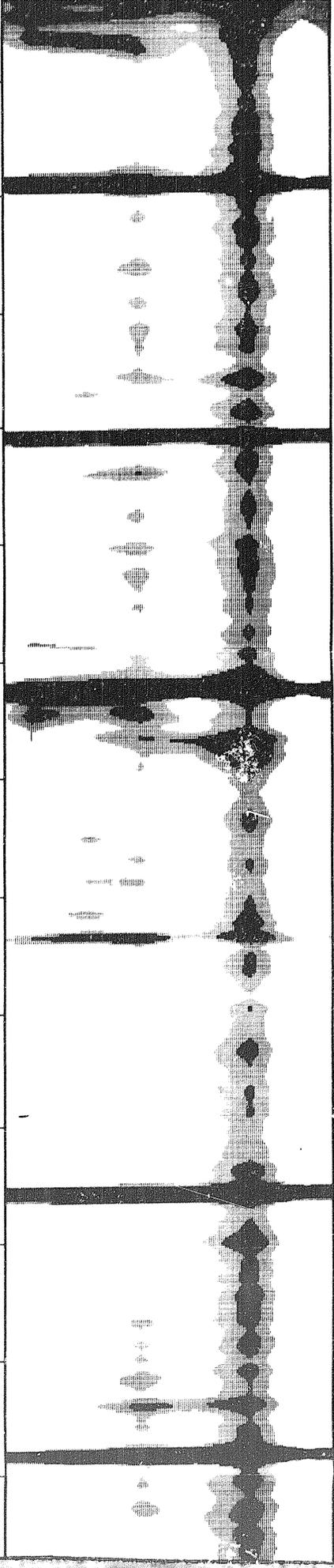
3525

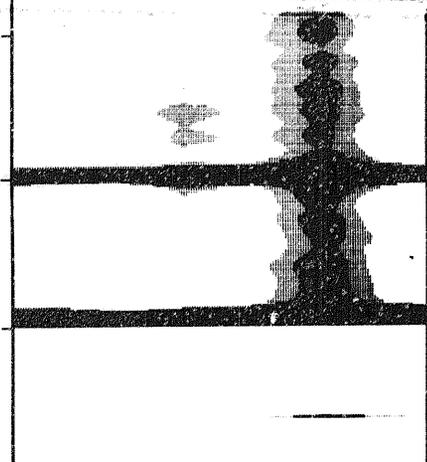


3475

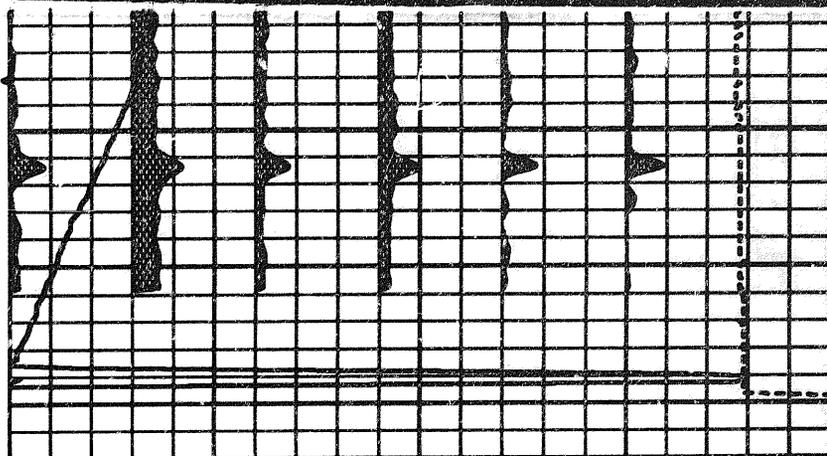
3500

3525





3550



ATC6 (DB/FT)
0 21

ATC5 (DB/FT)
0 21

ATC4 (DB/FT)
0 21

ATC3 (DB/FT)
0 21

ATC2 (DB/FT)
0 21

ATC1 (DB/FT)
0 21

DEV (DEG)
0 40

RB (DEG)
0 360

CCL
1000

FILE: 3

PASS THREE VDL SECTION
7000 KPA PRESSURE PASS

FILE: 5

CURVE DELAY REPORT

CURVE	PHYS. DELAY	UNITS
GR	9.2	METERS
CCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AAT1	3.4	METERS
AAT2	3.4	METERS
AAT3	3.4	METERS

GR	9.2	METERS
CCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AAT1	3.4	METERS
AAT2	3.4	METERS
AAT3	3.4	METERS
AAT4	3.4	METERS
AAT5	3.4	METERS
AAT6	3.4	METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY:	COLUMBIA GAS DEVELOPMENT OF CANADA LTD.	RUN:	1
WELL NAME:	COLUMBIA ET AL KOTANEELEE I-48 YT	TRIP:	1
SERVICE:	L 702A	FILE:	5
		DATE:	01/18/91
		TIME:	06:41:16
REVISION:	FSYS256 REV:002 VER:4.0	MODE:	RECORD

AMAU (MU)

0 100

ATMN (DB/FT)

20 0

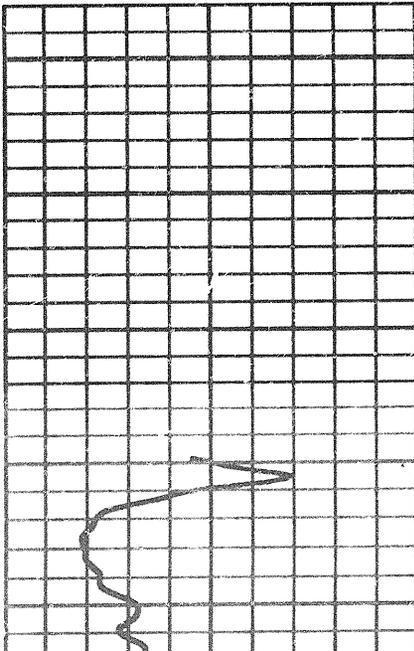
ATAU (DB/FT)

20 0

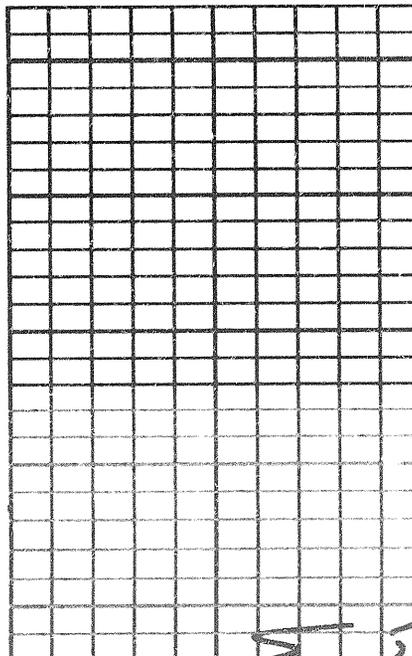
GR (API)

CCL

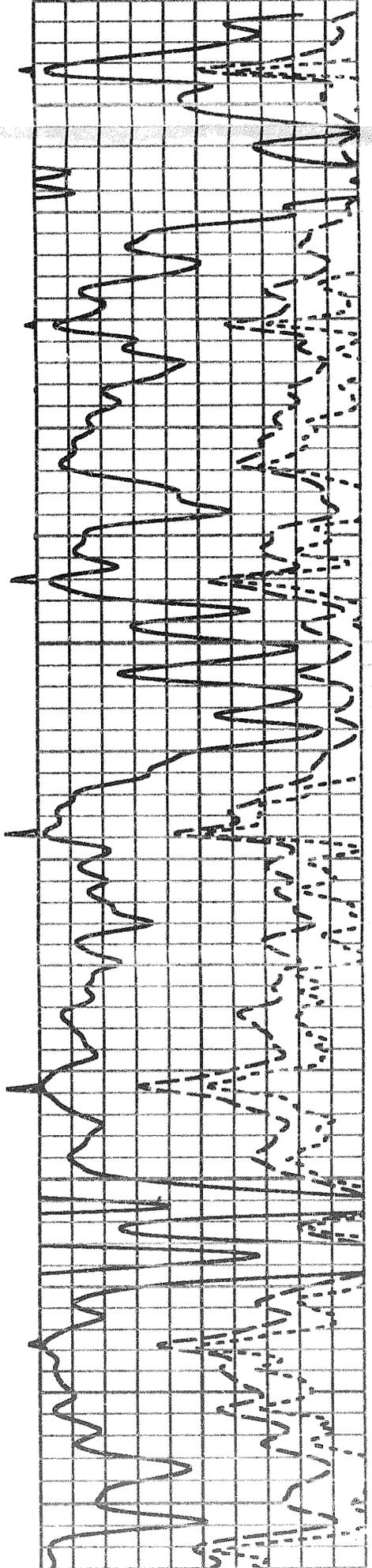
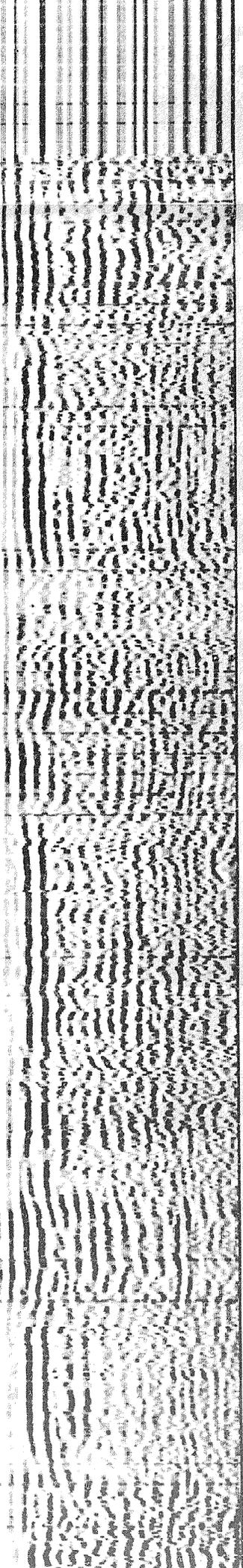
0 150 1000



2475



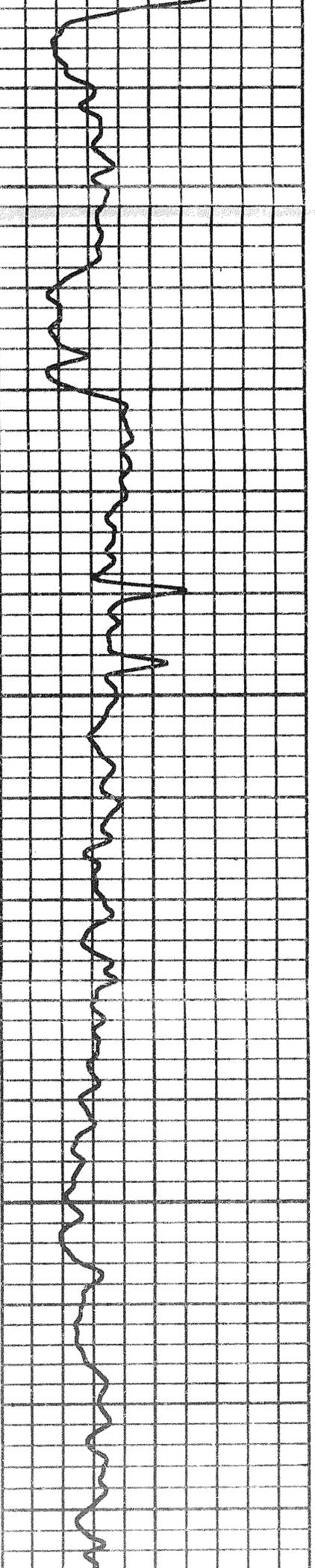
Vertical lines and text at the bottom right of the page, possibly a barcode or technical notes.

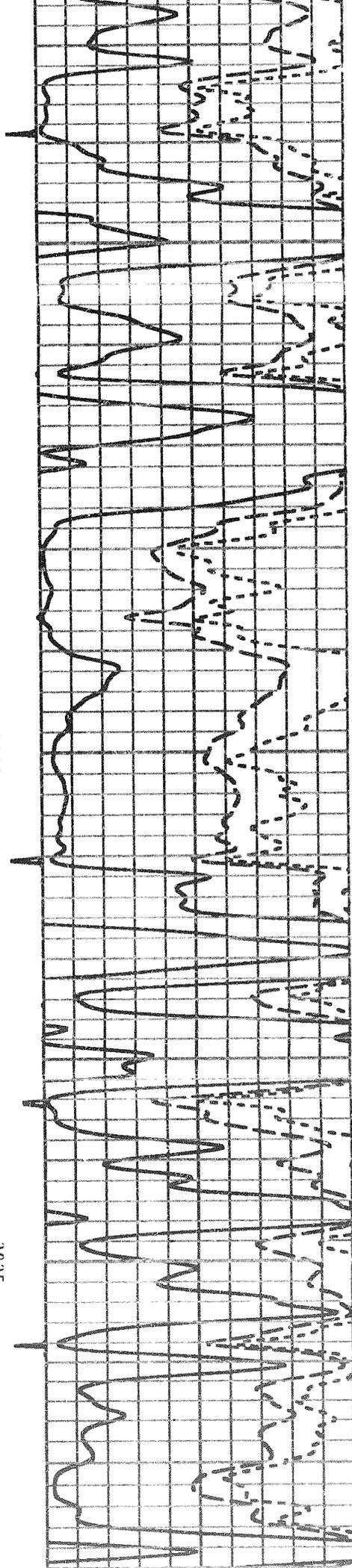
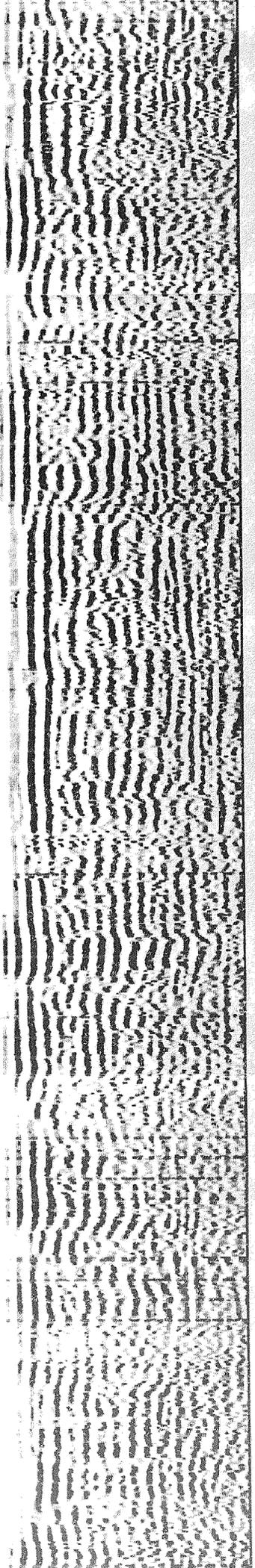


2500

2525

2550

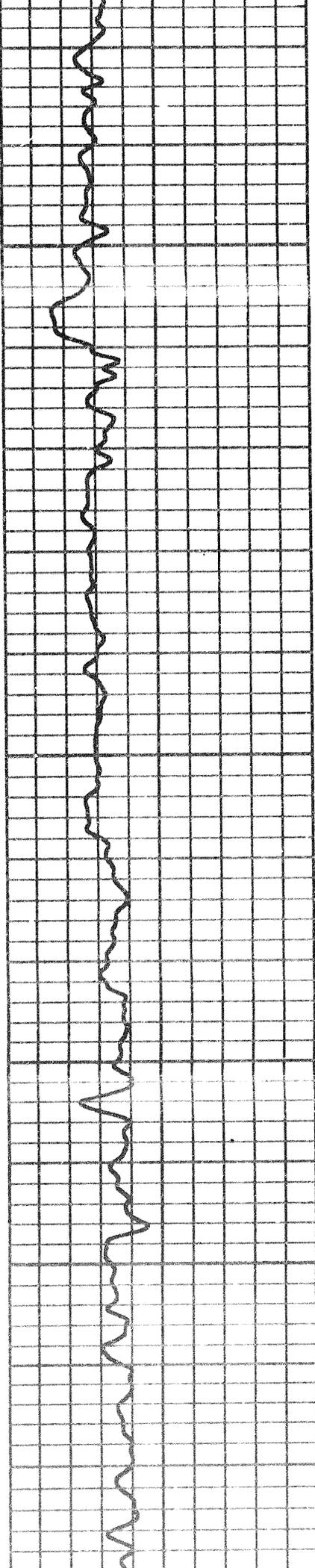


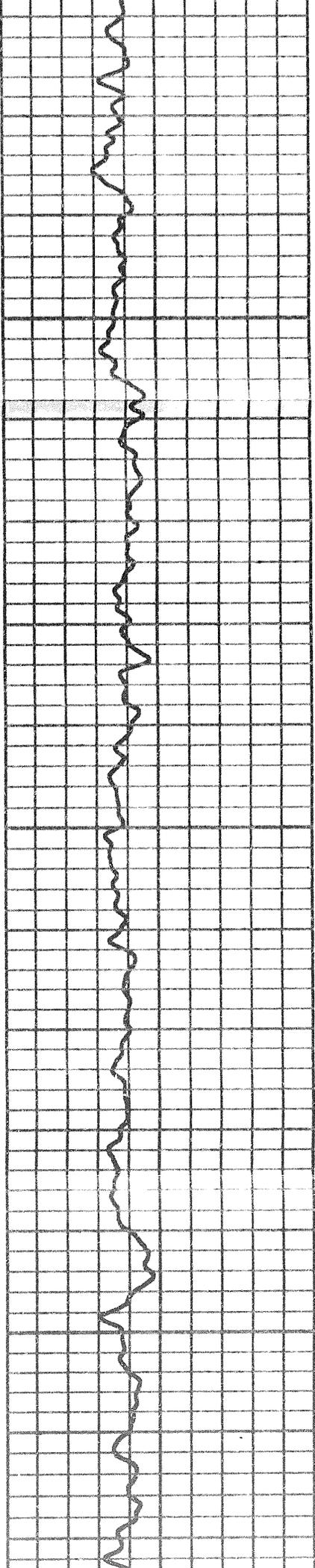


2575

2600

2625

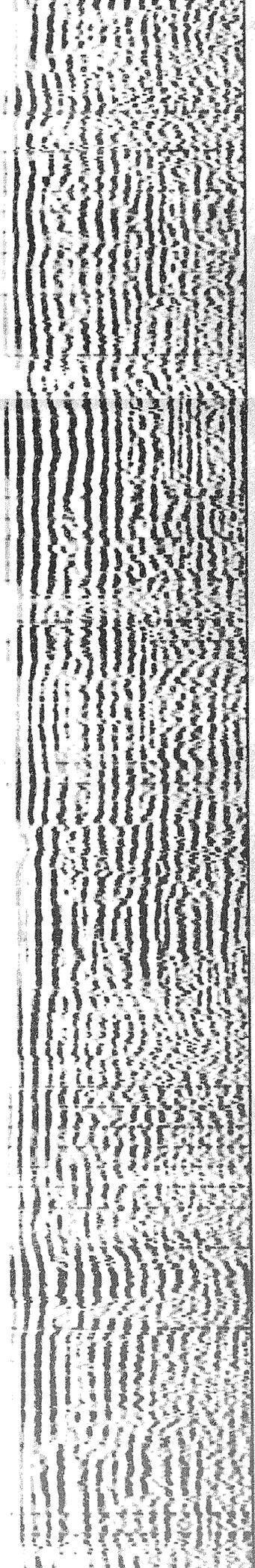
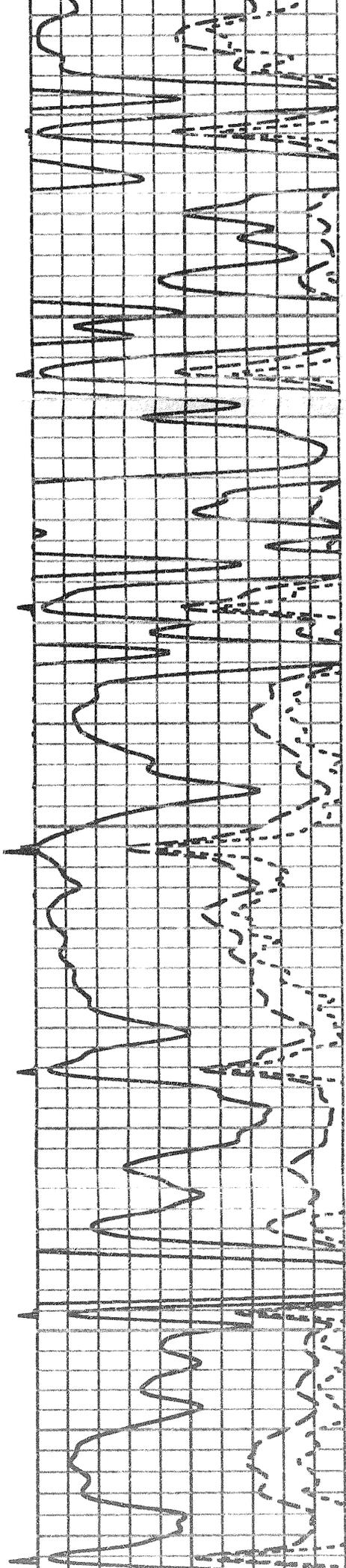


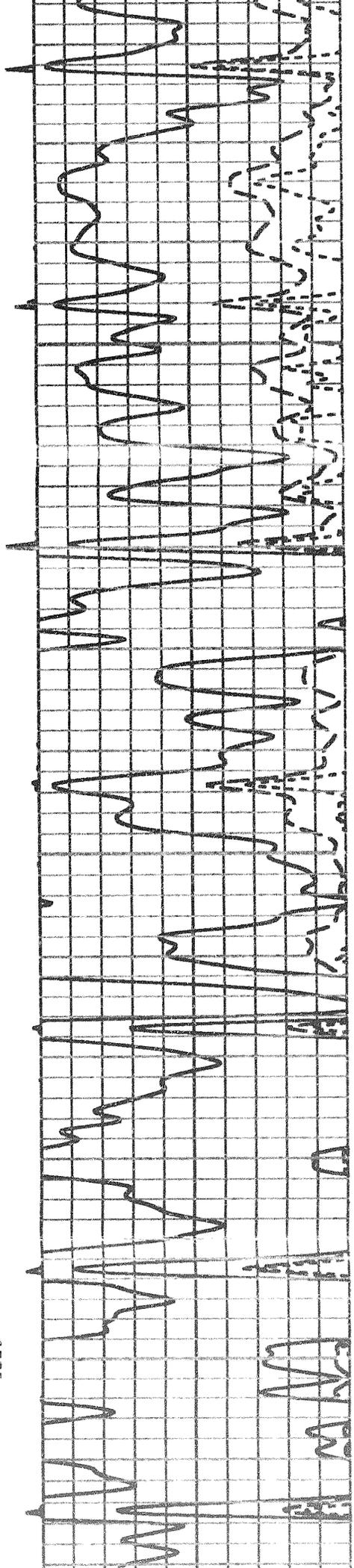
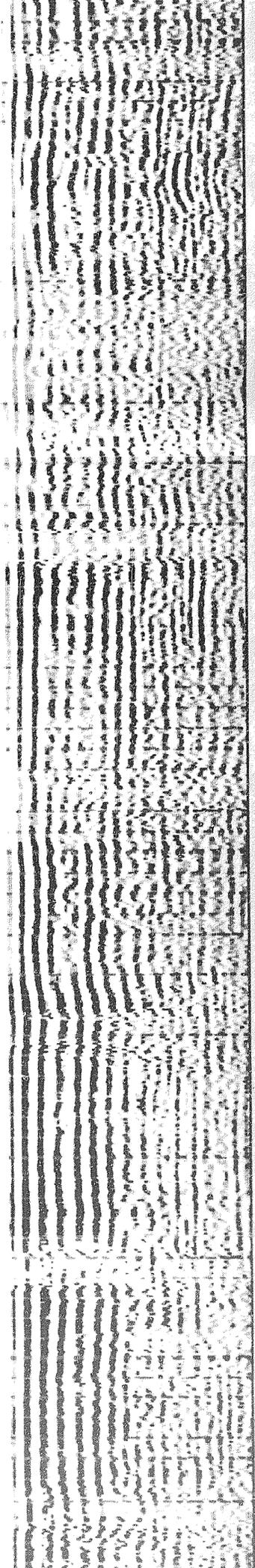


2650

2675

2700

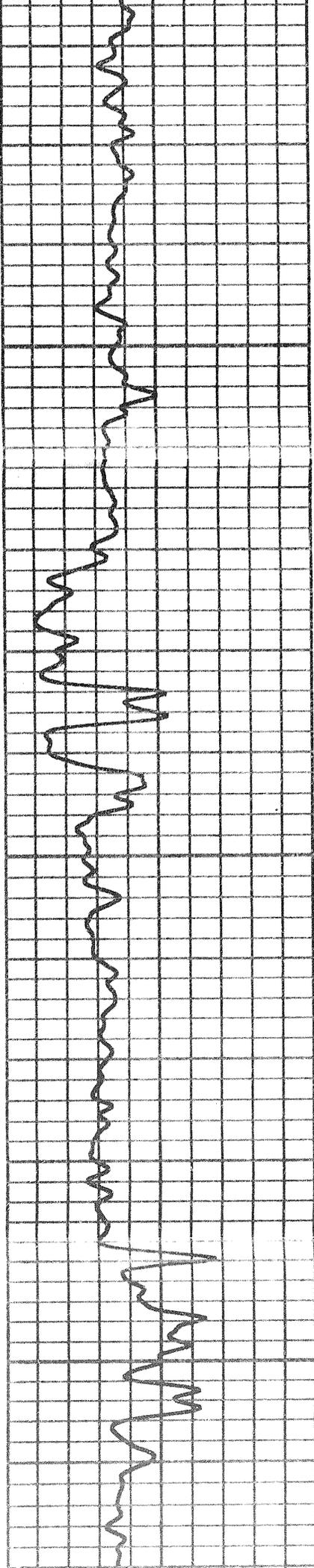


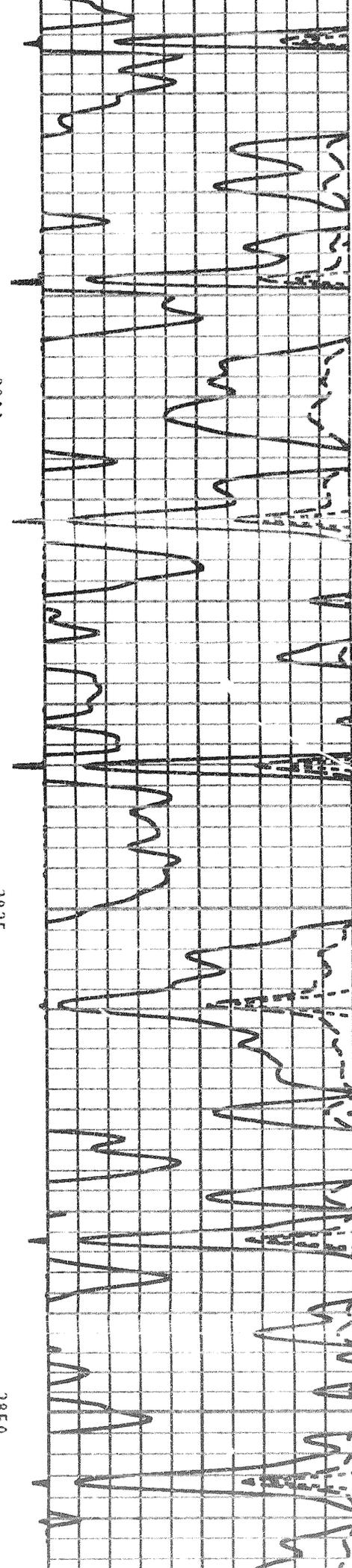
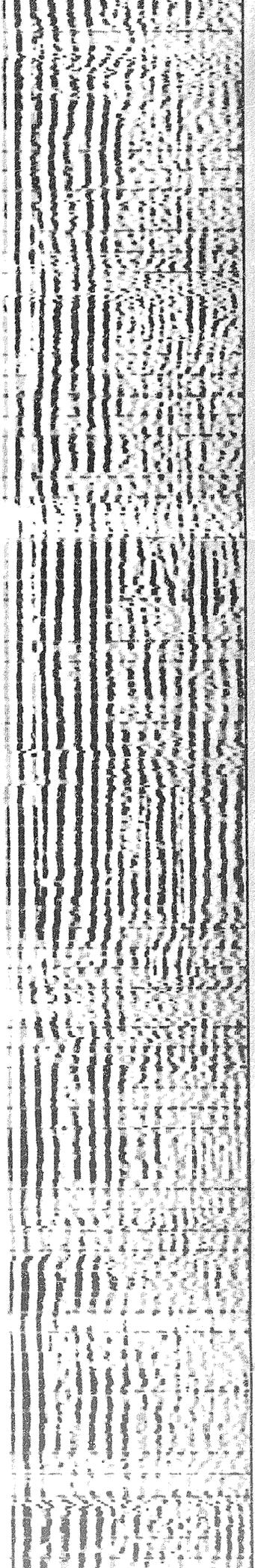


2725

2750

2775

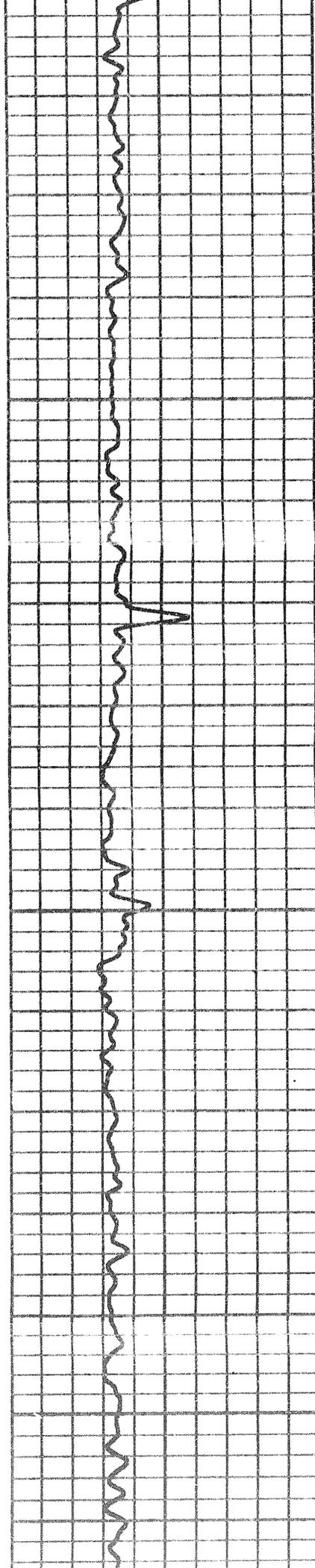


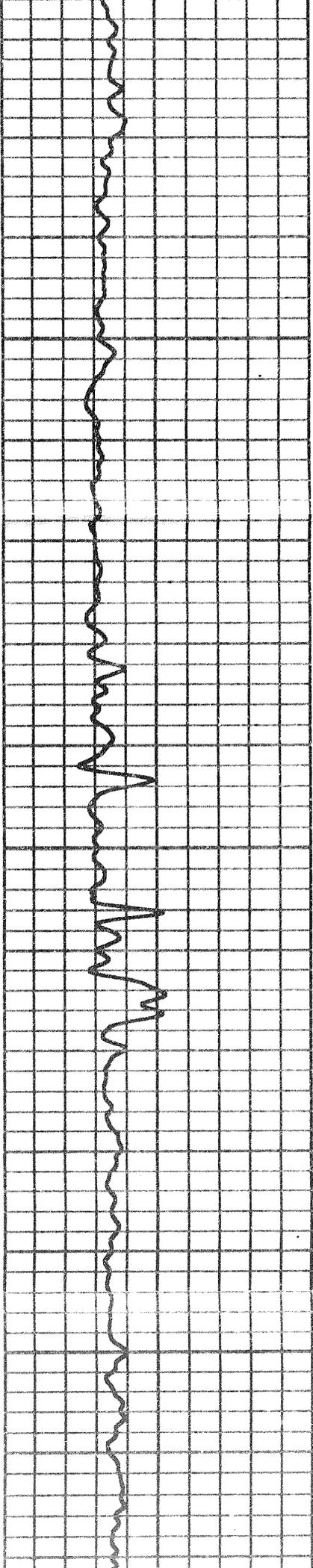


2800

2825

2850

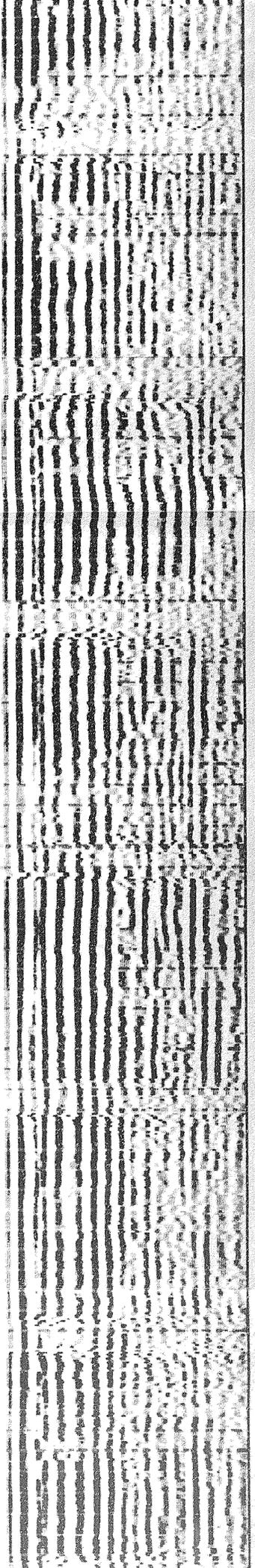
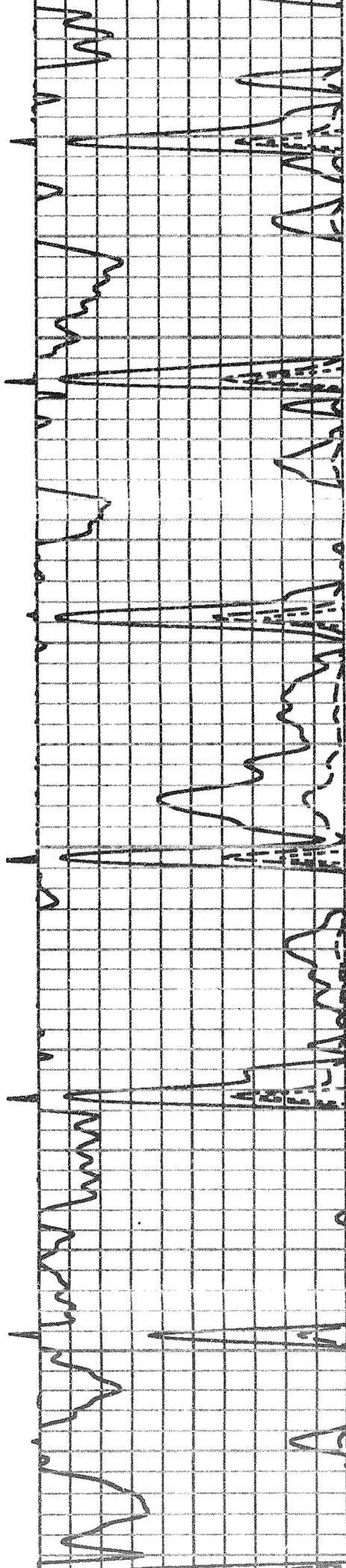


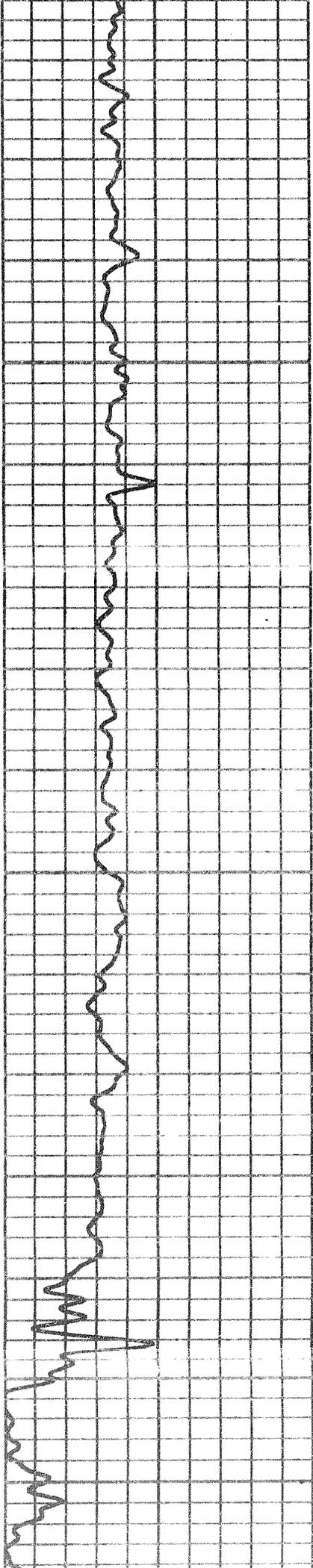


2875

2900

2925

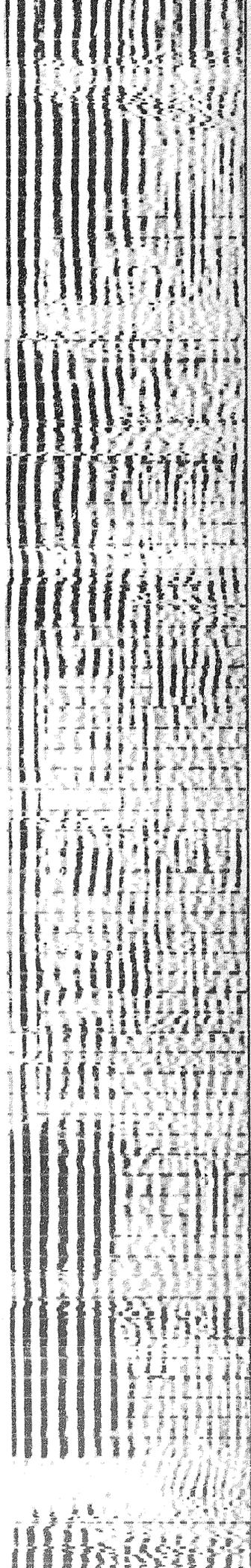
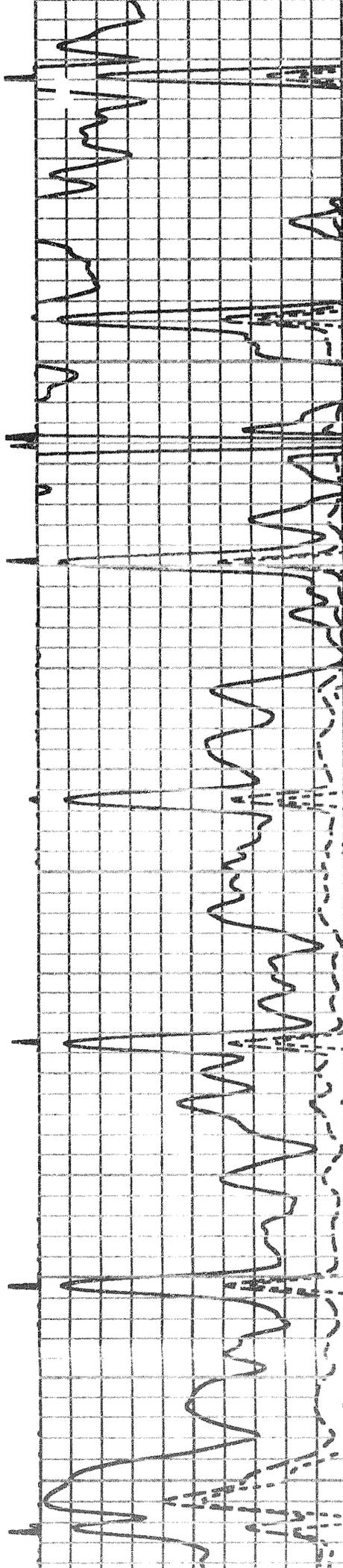


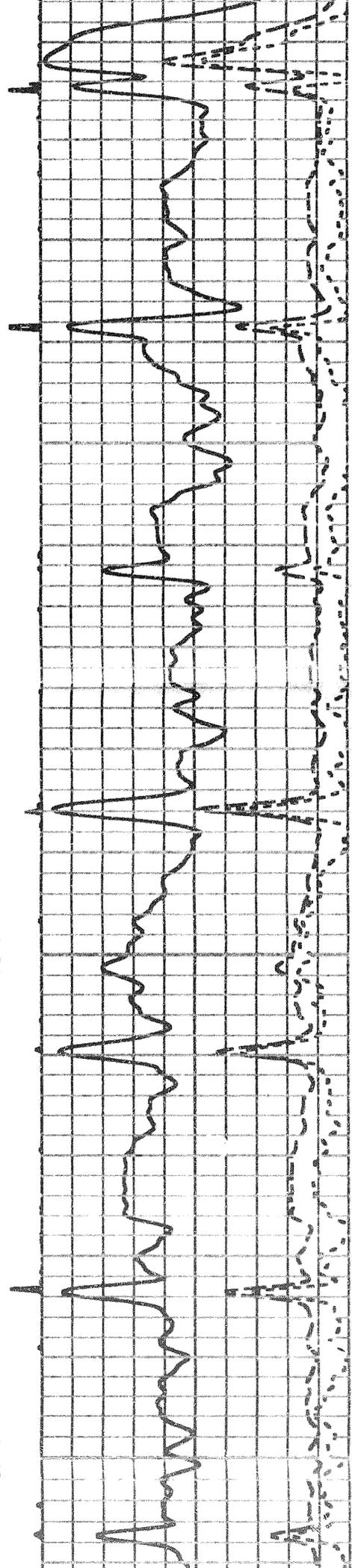
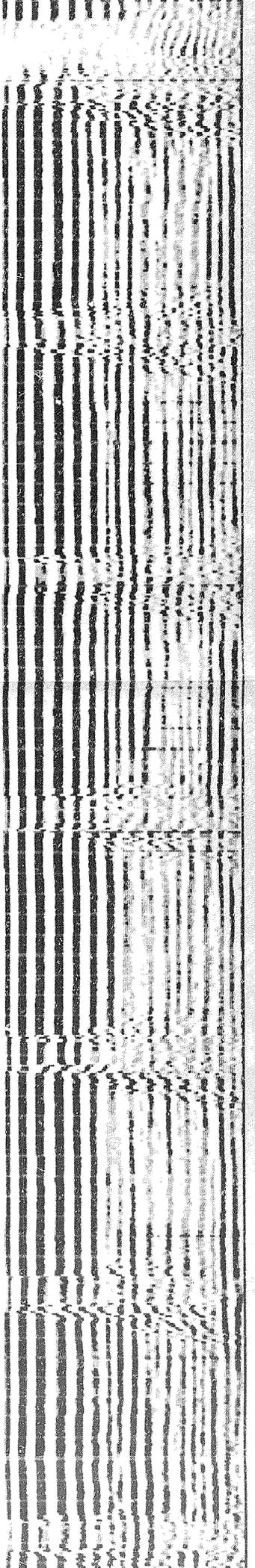


2950

2975

3000

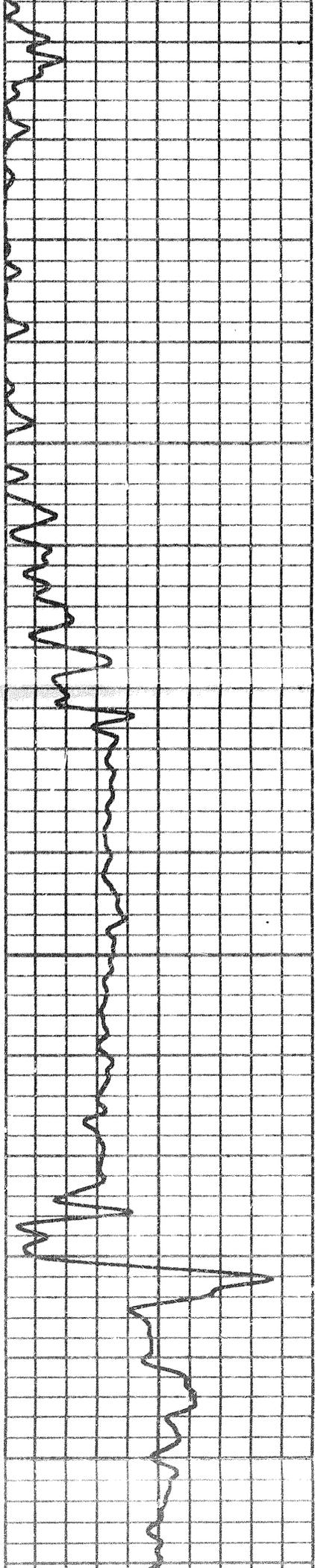


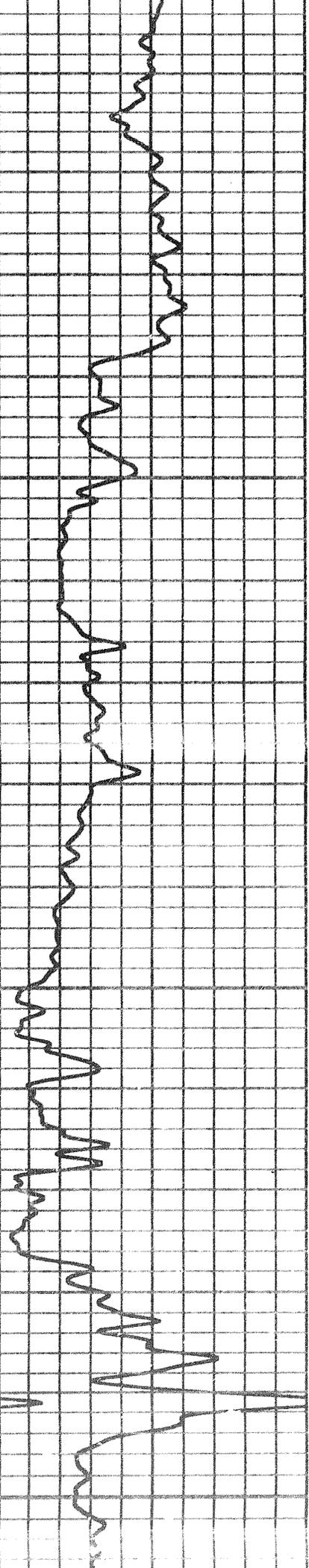


3025

3050

3075

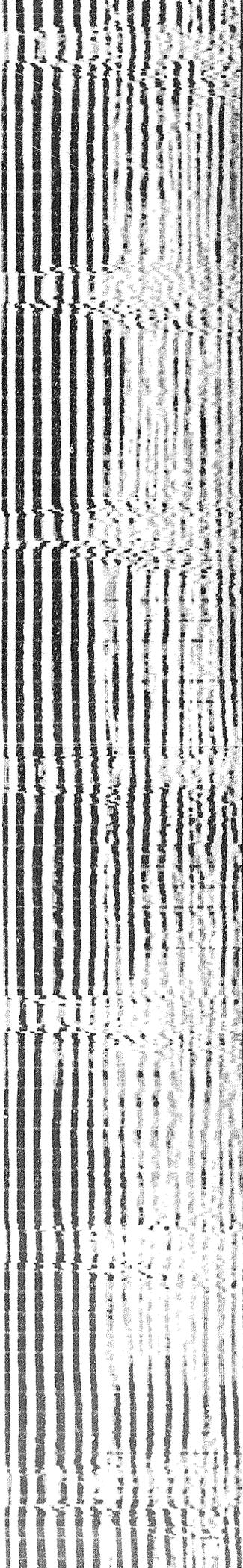
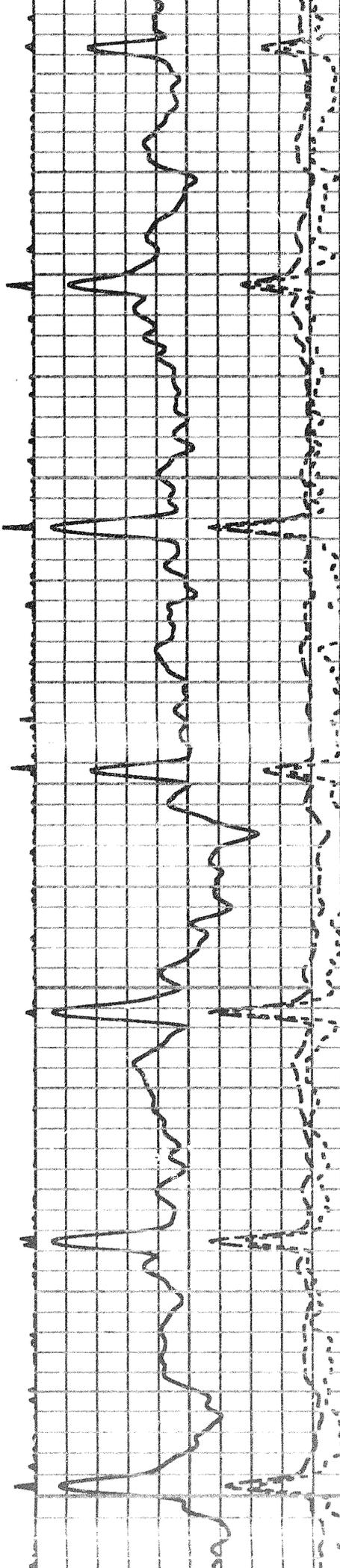


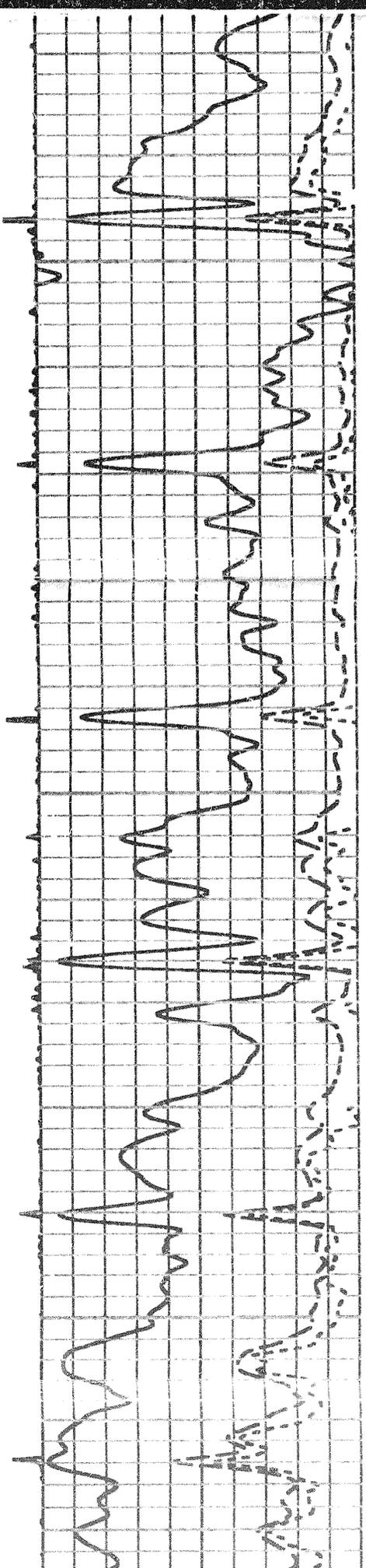
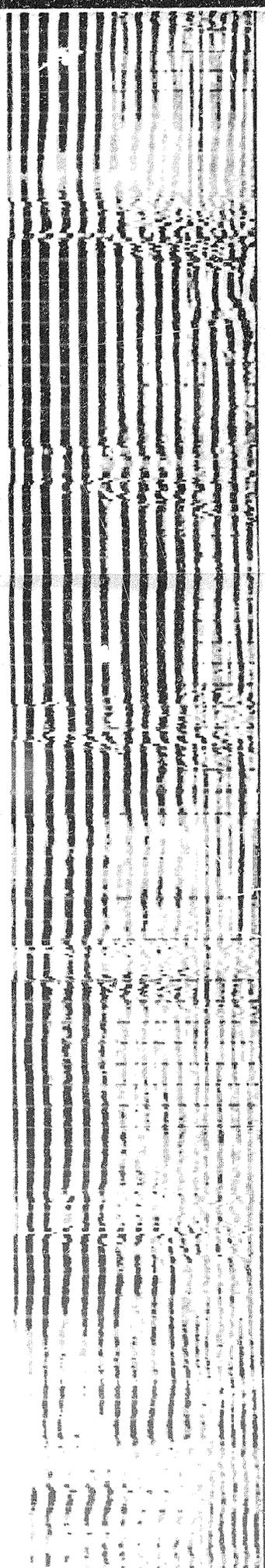


3100

3125

3150

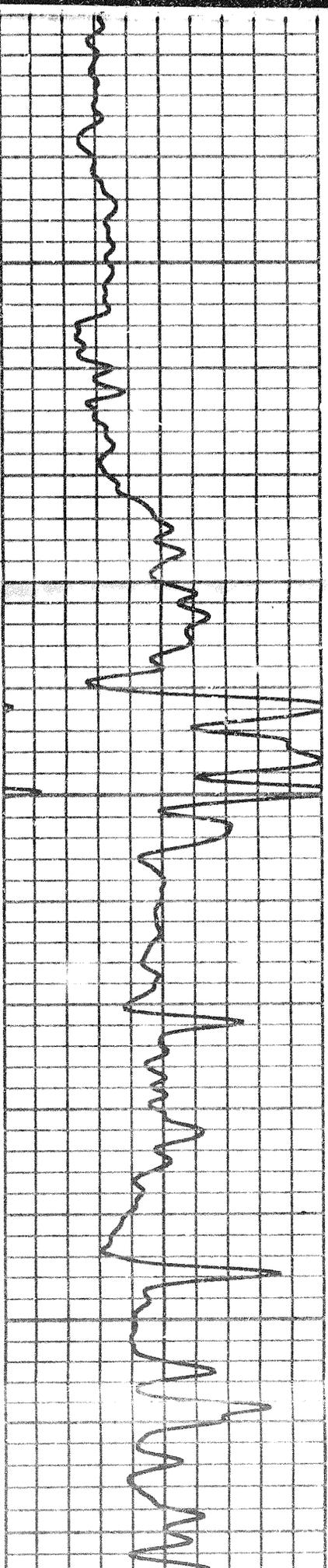




3175

3200

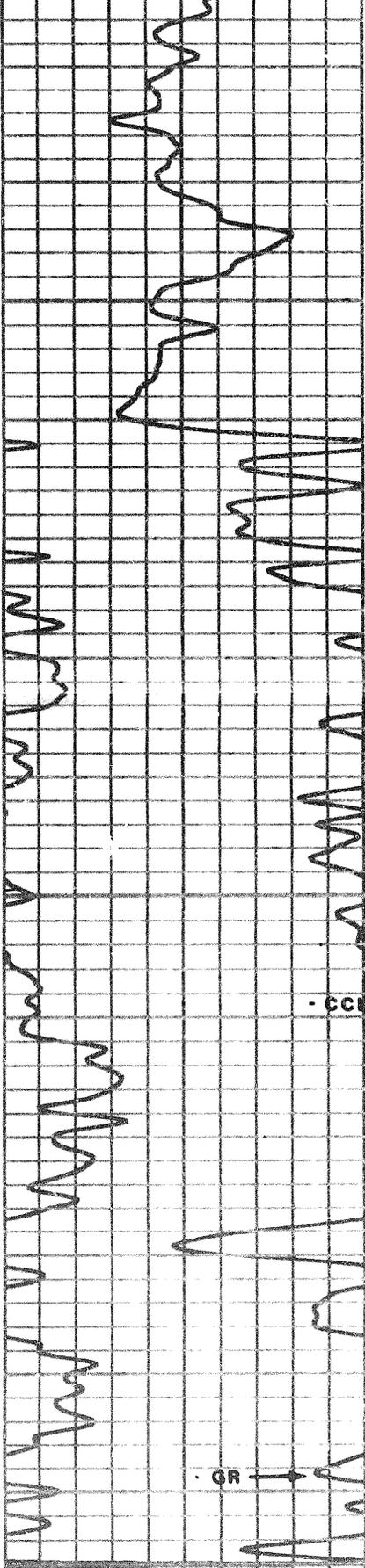
3225



3175

3200

3225



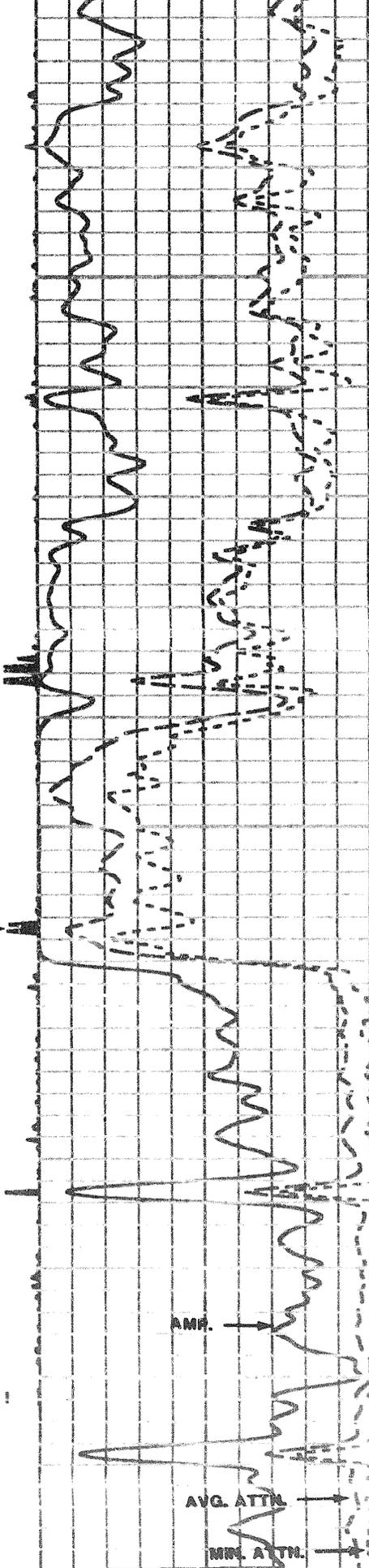
3250

3275

CC

3300

GR

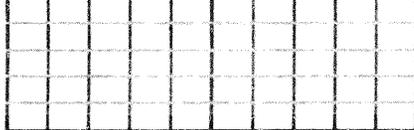
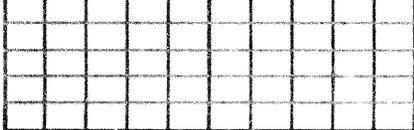


AMP.

AVG. ATTN.

MIN. ATTN.

ECG tracing on a grid. The rhythm is regular. The P waves are upright and narrow. The QRS complexes are narrow. The ST segment is slightly elevated, and the T waves are upright and of moderate amplitude.



AMAU (MU)

0 100

ATMN (DB/FT)

20 0

ATAU (DB/FT)

20 0

GR (API)

CCL

0 150 1000

FILE: 5

PASS TWO VDL SECTION

FILE: 4

CURVE DELAY REPORT

CURVE	PHYS. DELAY	UNITS
GR	9.2	METERS
CCL	11.1	METERS
RB	0	METERS
DEV	0	METERS
AAT1	3.4	METERS
AAT2	3.4	METERS
AAT3	3.4	METERS
AAT4	3.4	METERS
AAT5	3.4	METERS
AAT6	3.4	METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

RUN: 1

WELL NAME: COLUMBIA ET AL KOTANEELEE I-48 YT

TRIP: 1

SERVICE: L 702A

FILE: 4

DATE: 01/18/91

TIME: 04:02:32

REVISION: FSYS256 REV:G002 VER:4.0

MODE: RECORD

AMAU (MU)

0 100

ATMN (DB/FT)

20 0

ATAU (DB/FT)

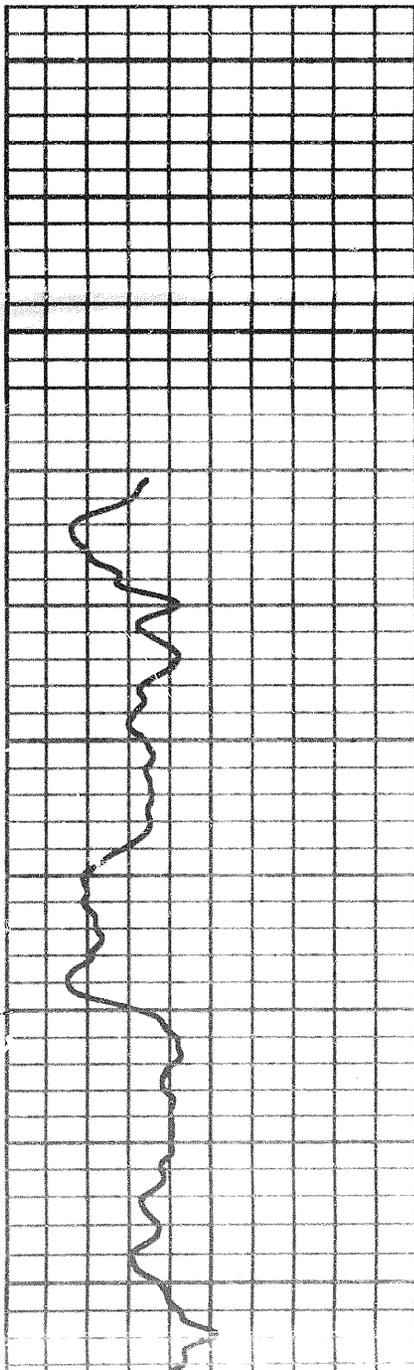
20 0

GR (API)

CCL

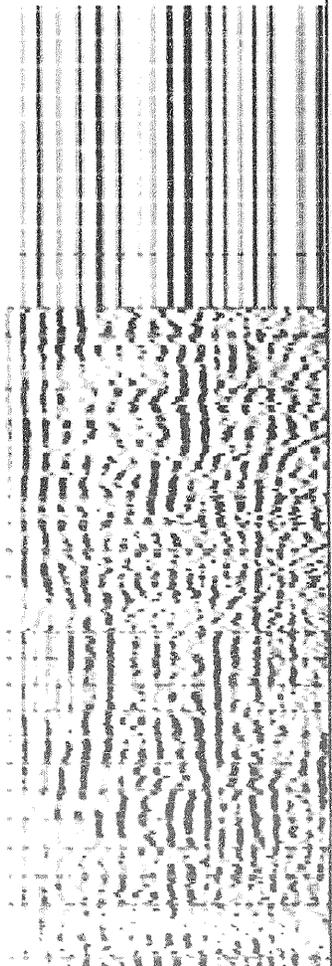
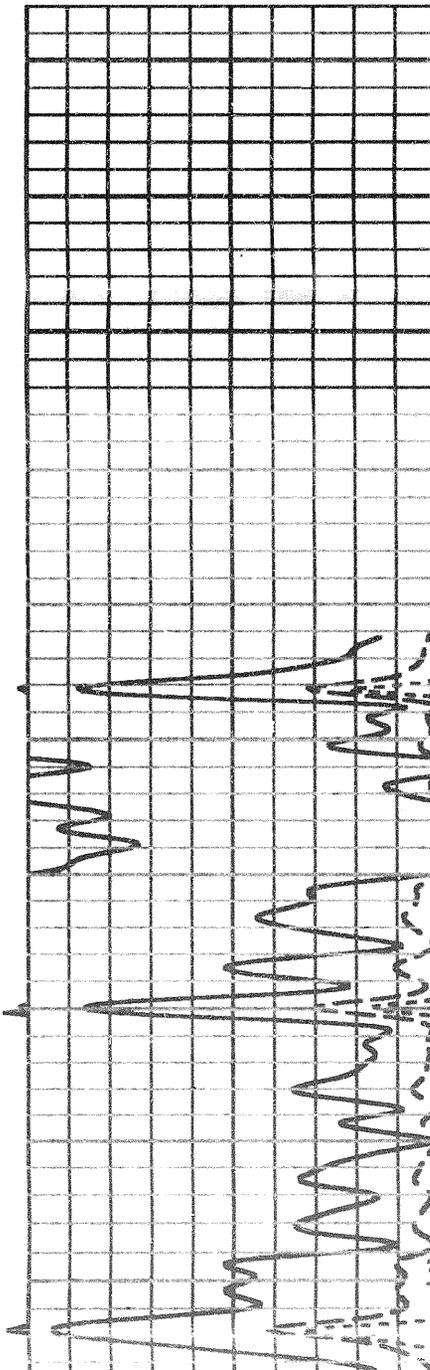
0 150

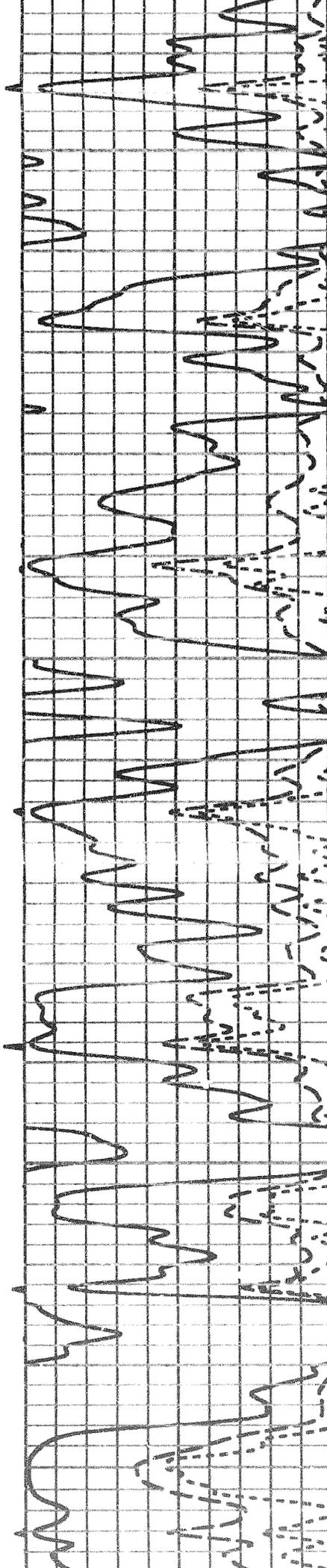
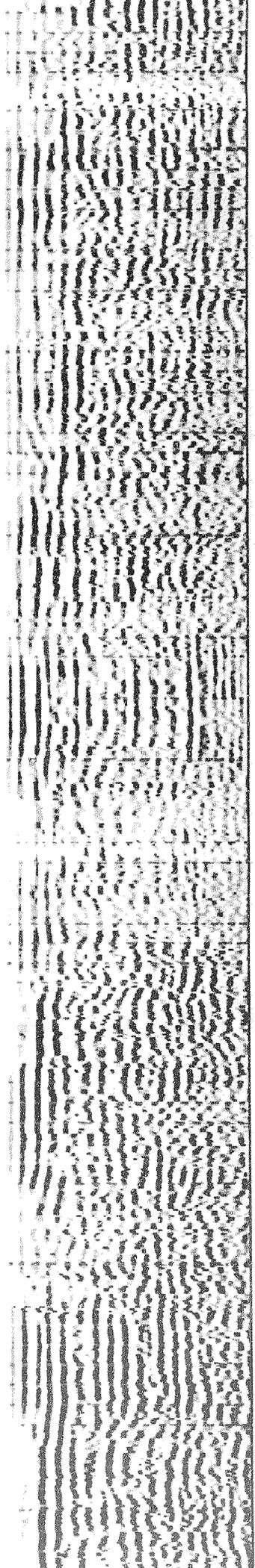
1000



2475

2500

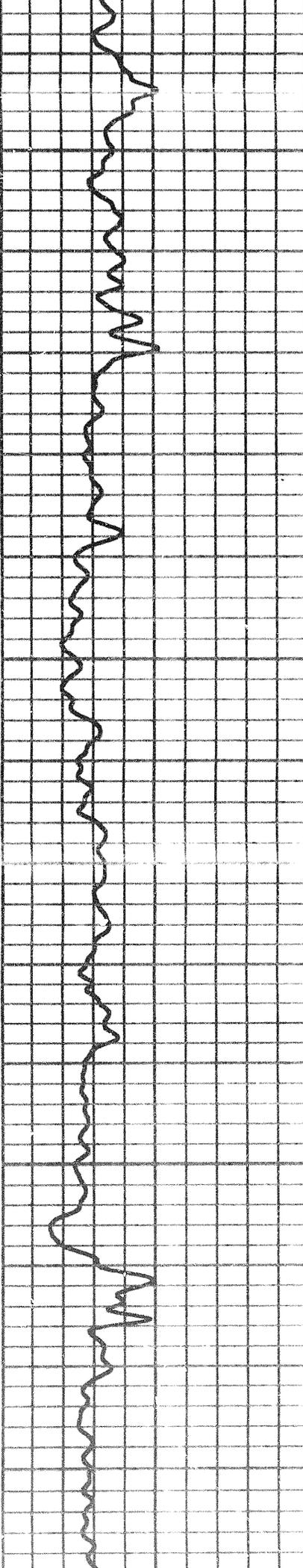


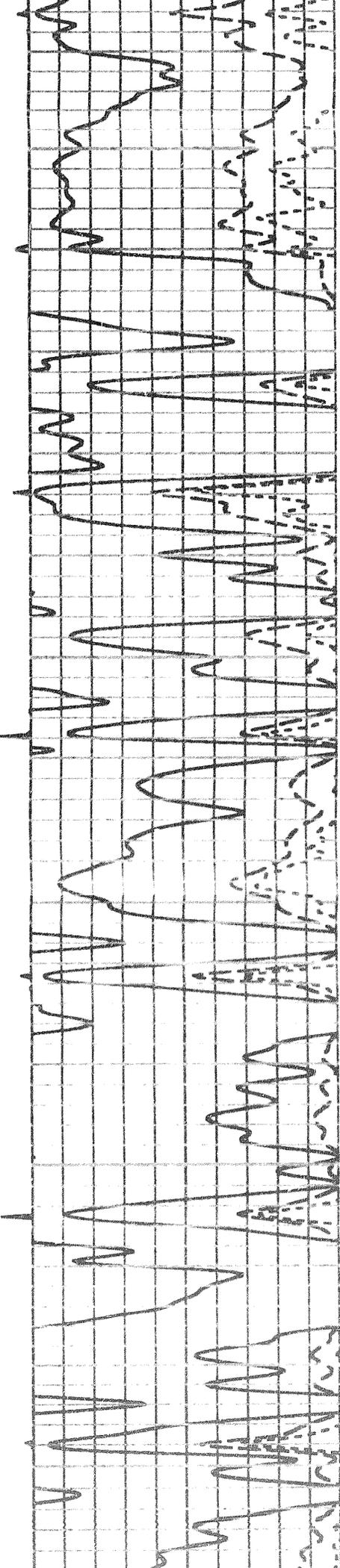
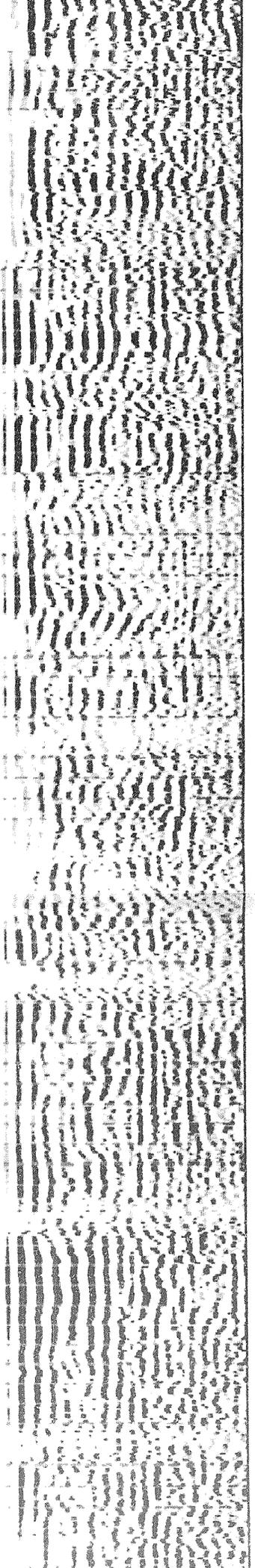


25 25

25 50

25 75

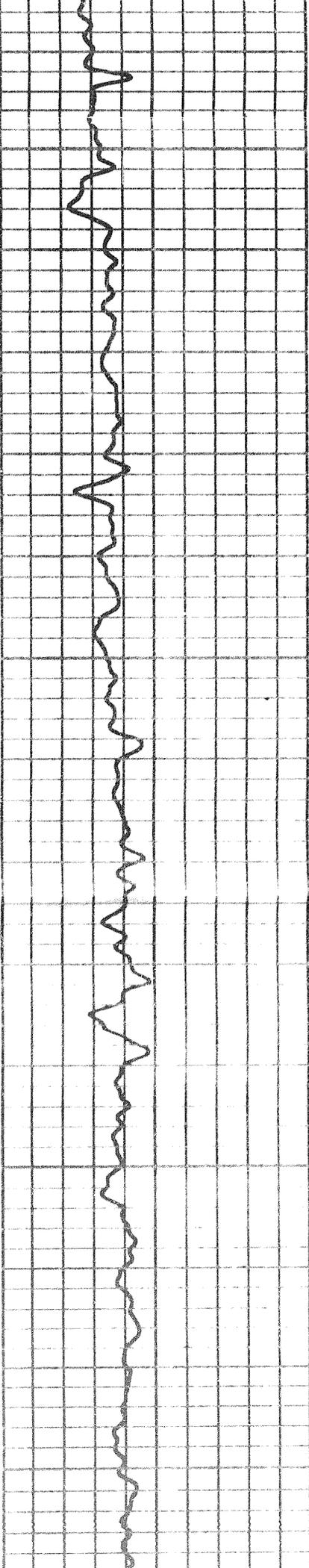


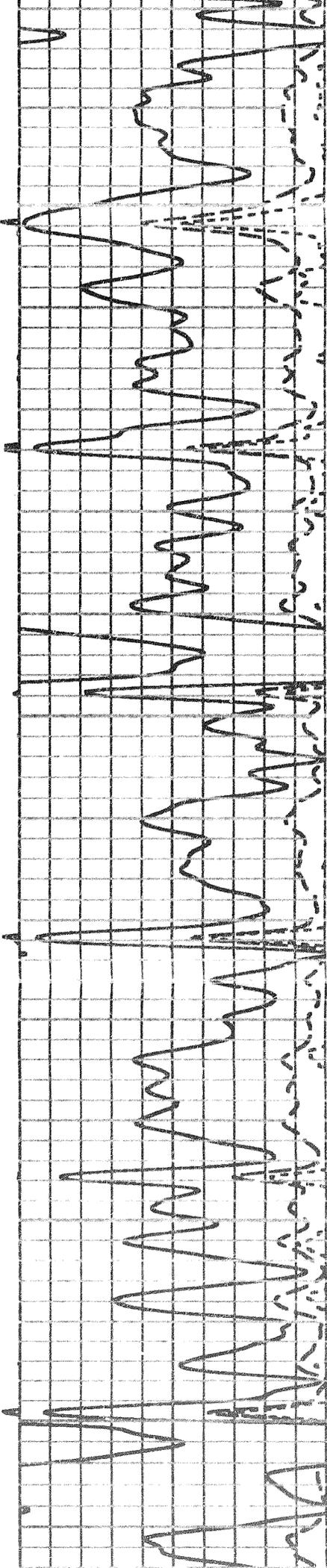
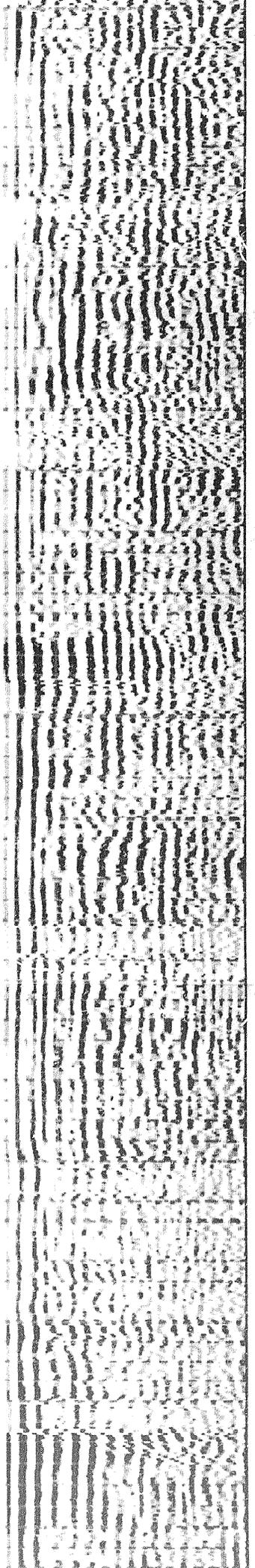


2600

2625

2650

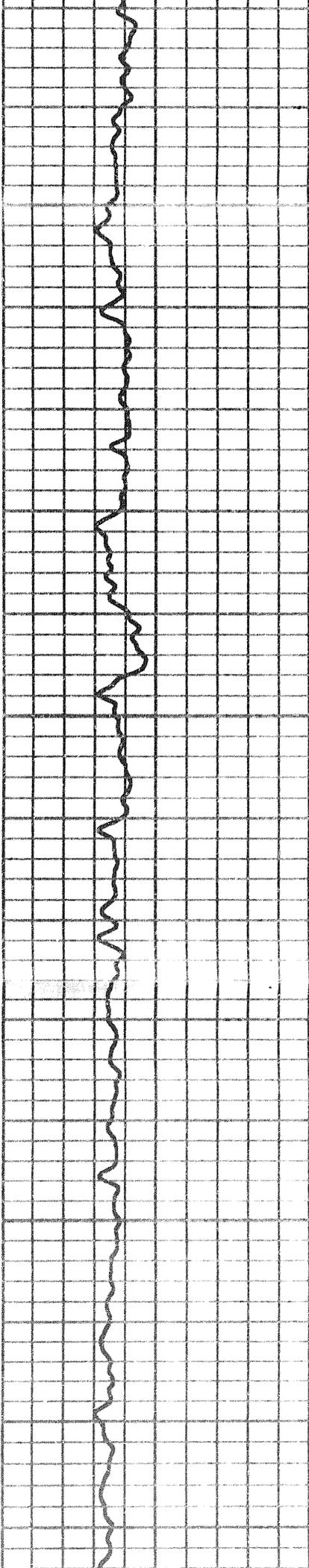


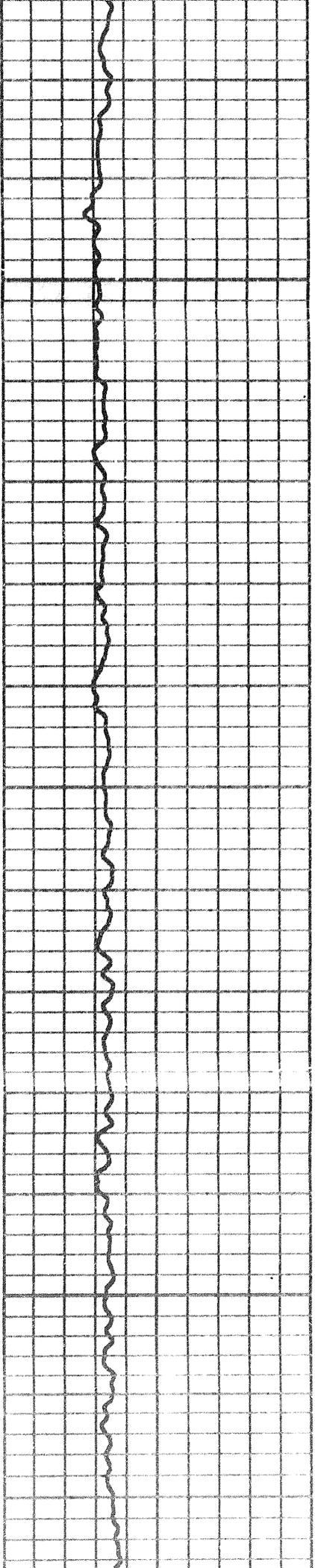


2675

2700

2725

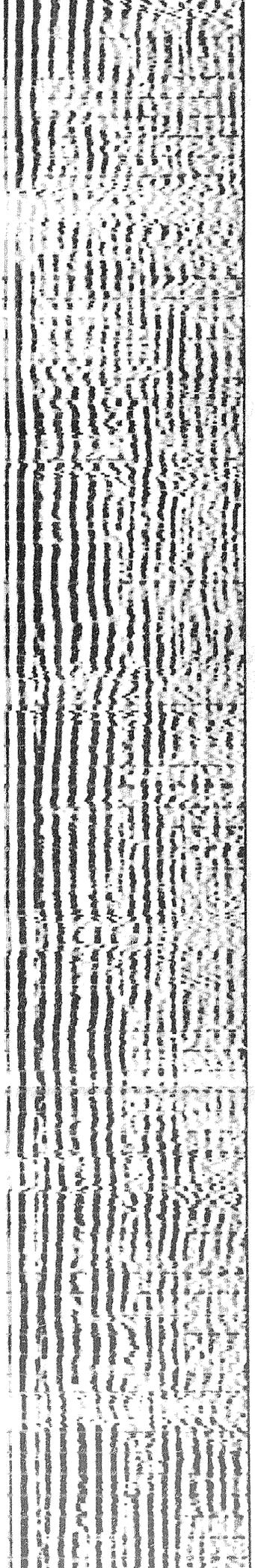
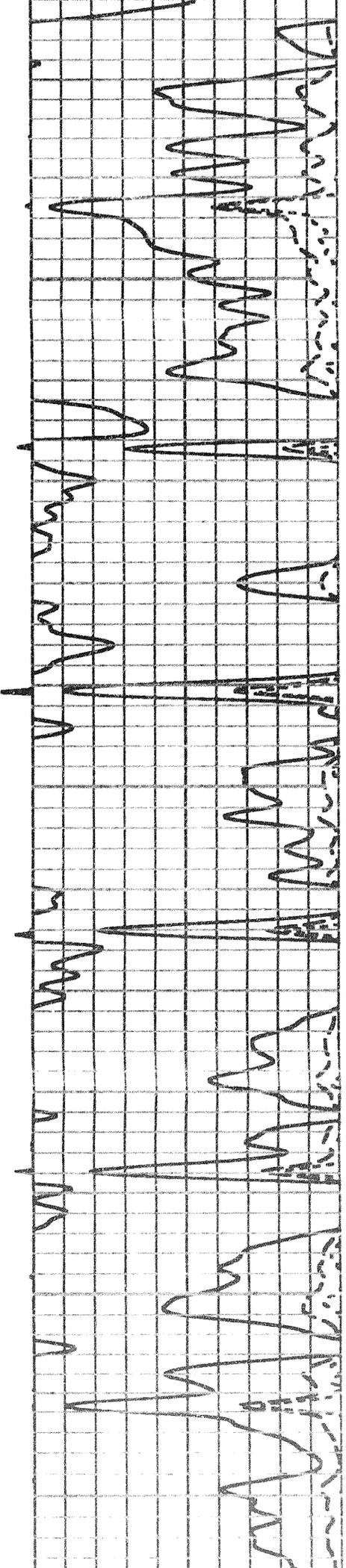


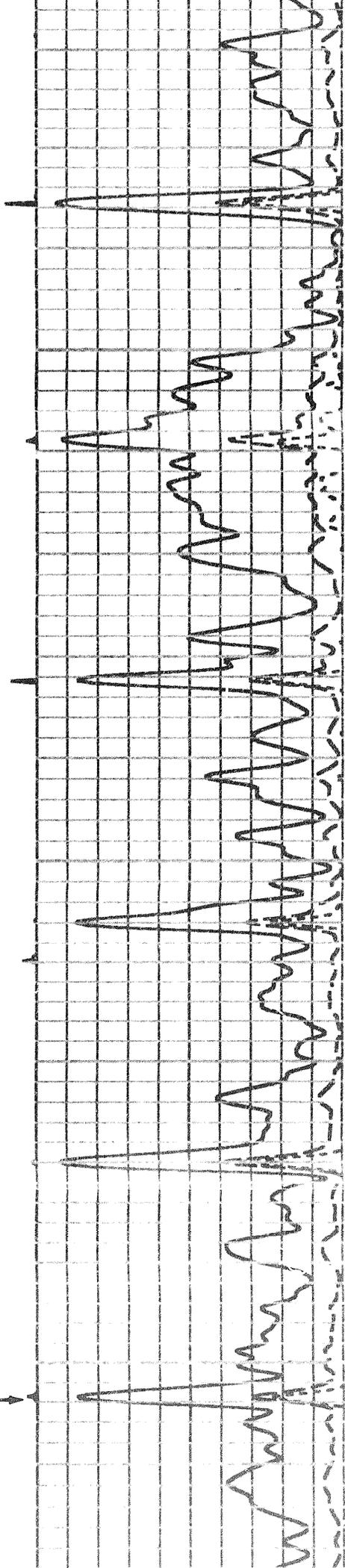
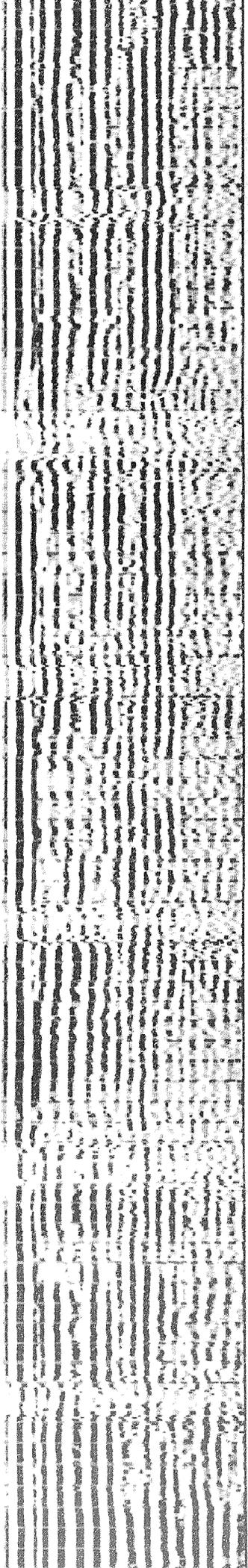


2750

2775

2800



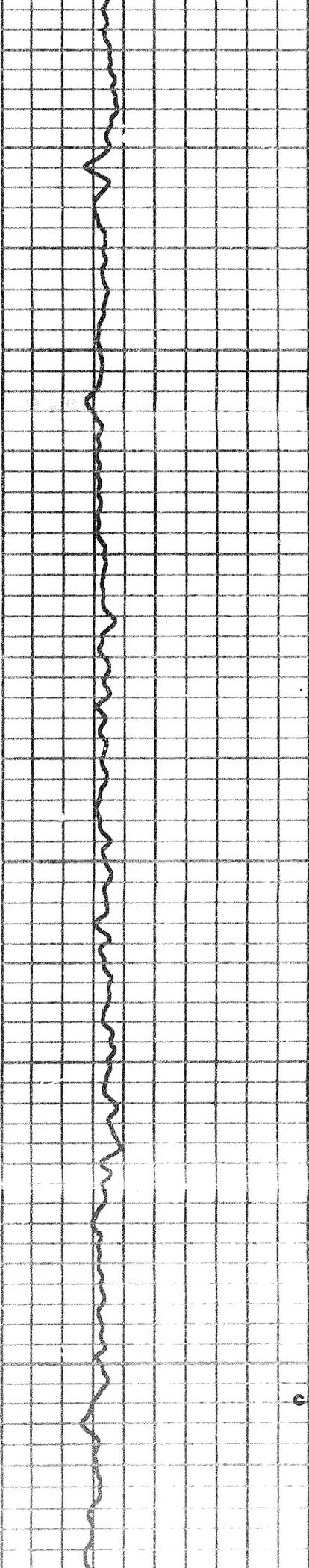


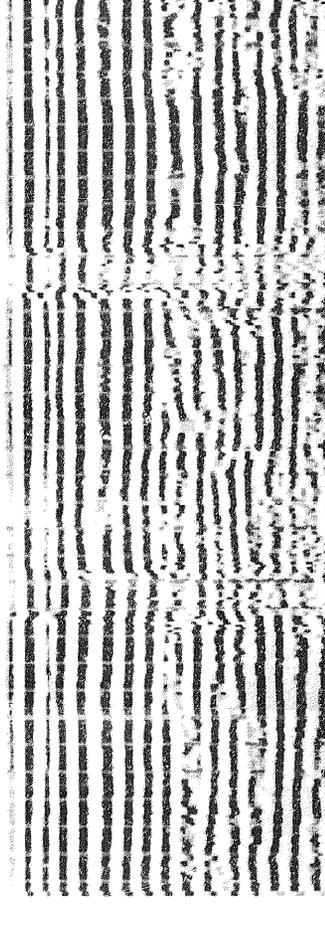
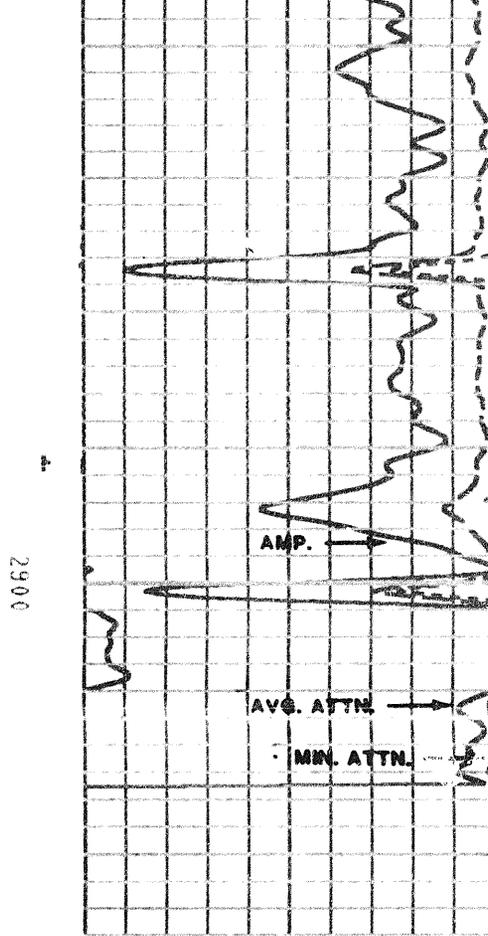
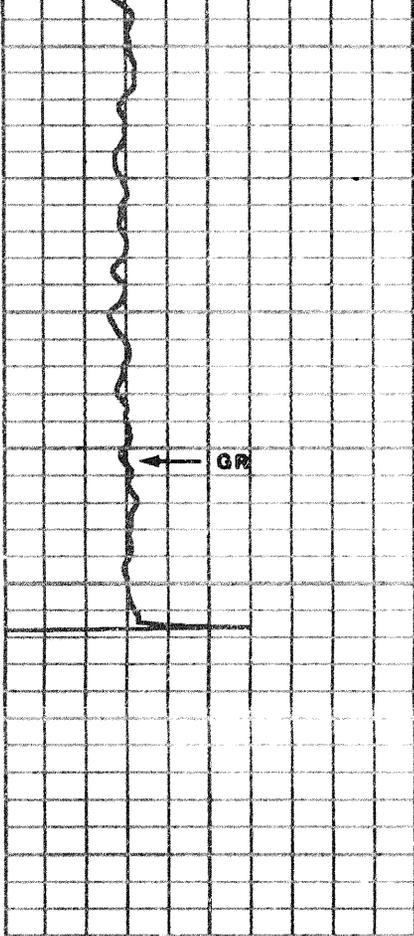
2825

2850

2875

31





AMAU (MU)

0 100

ATMN (DB/FT)

20 0

ATAU (DB/FT)

20 0

GR (API)

CCL

0

150

1000

FILE: 4

PASS ONE VOL SECTION

FILE: 3

CURVE DELAY REPORT

CURVE	PHYS. DELAY	UNITS
GR	9.2	METERS
CCL	11.1	METERS

GR 9.2 METERS
 CCL 11.1 METERS
 RB 0 METERS
 DEV 0 METERS
 AAT1 3.4 METERS
 AAT2 3.4 METERS
 AAT3 3.4 METERS
 AAT4 3.4 METERS
 AAT5 3.4 METERS
 AAT6 3.4 METERS

PARAMETERS

*** NONE ***

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: COLUMBIA GAS DEVELOPMENT OF CANADA LTD. RUN: 1
 WELL NAME: COLUMBIA ET AL KOTANEELEE I-48 YT TRIP: 1
 SERVICE: L 702A FILE: 3 DATE: 01/18/91 TIME: 01:14:23
 REVISION: FSYS256 REV:G002 UER:4.0 MODE: RECORD

AMAU (MU)

0 100

ATMN (DB/FT)

20 0

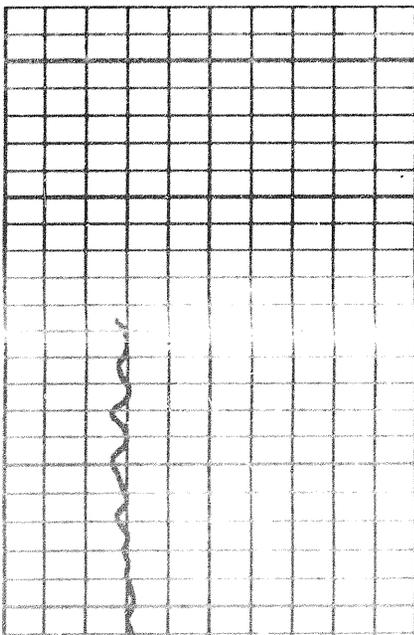
ATAU (DB/FT)

20 0

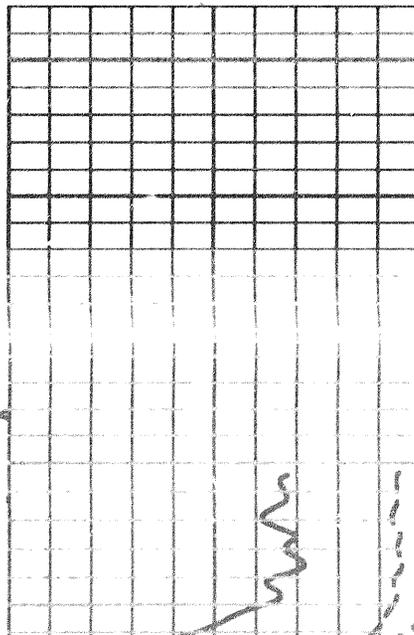
GR (API)

CCL

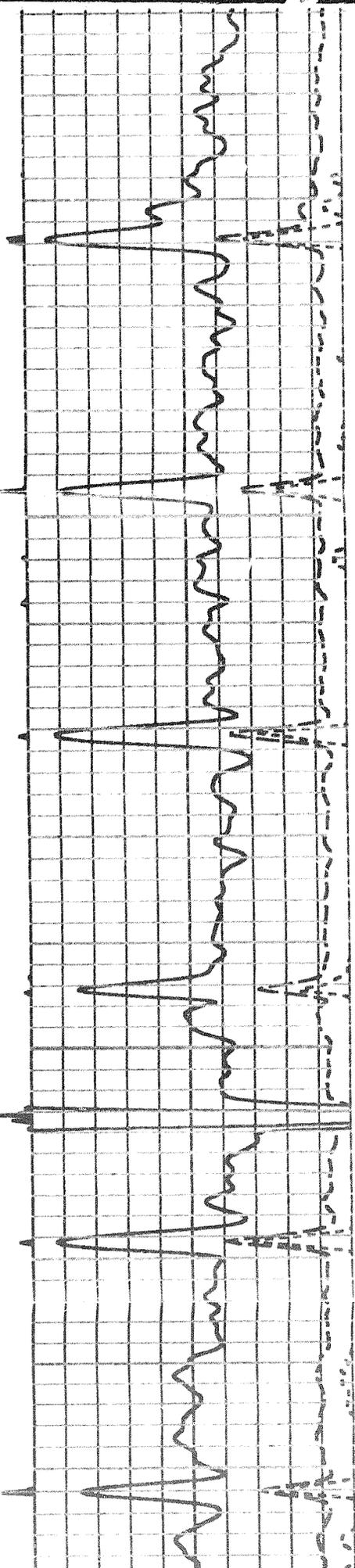
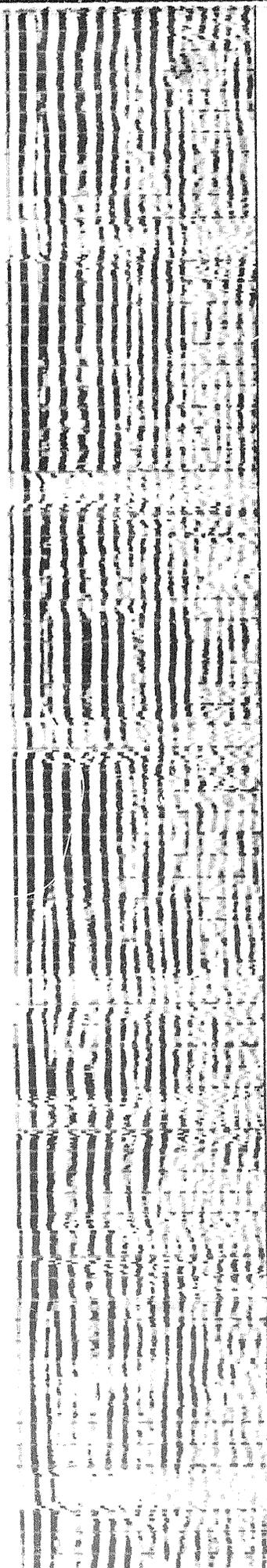
0 150 1000



2875



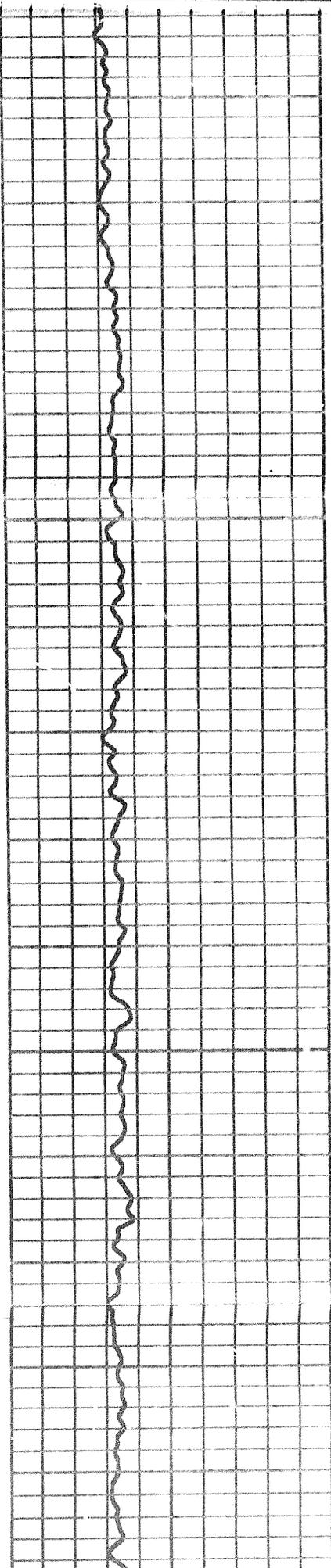
Vertical text on the right side of the page, possibly a page number or reference code.



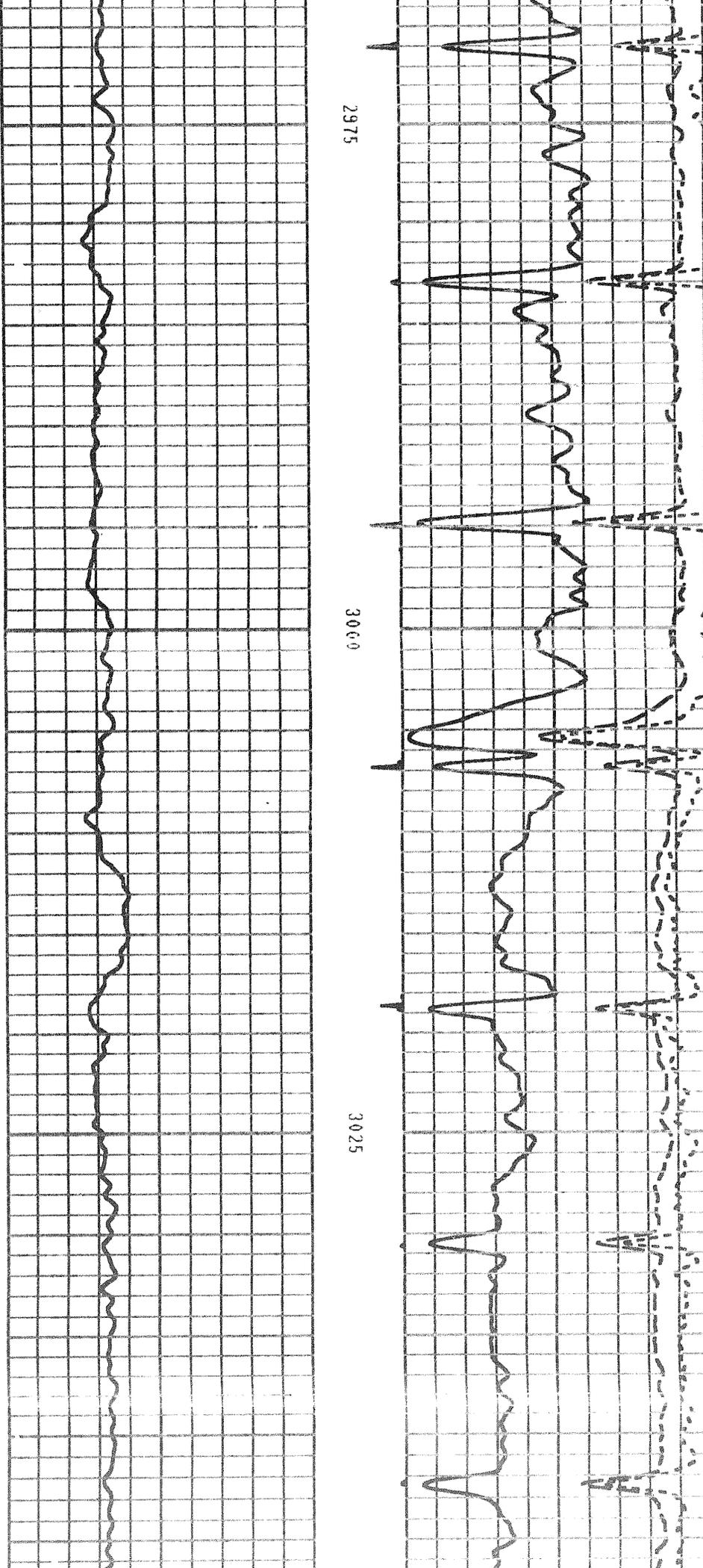
2925

2950

29



Handwritten notes on the right side of the page, including a vertical list of numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

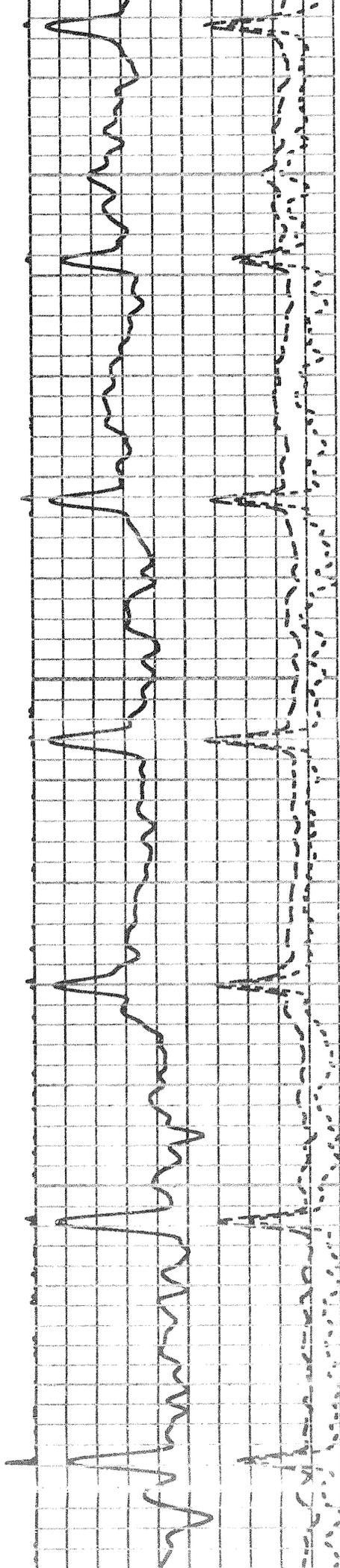


2975

3000

3025

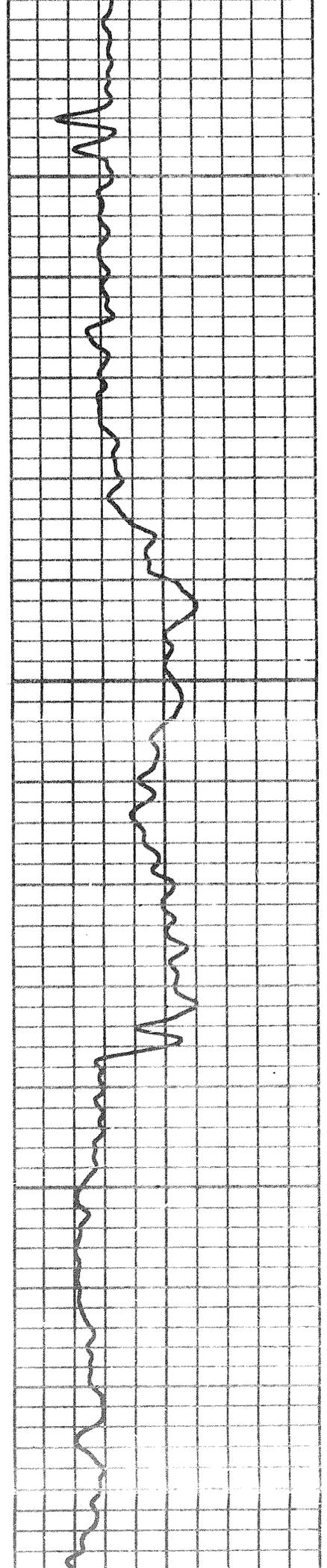
Handwritten notes and bleed-through from the reverse side of the page, including illegible text and a large, faint number '1'.

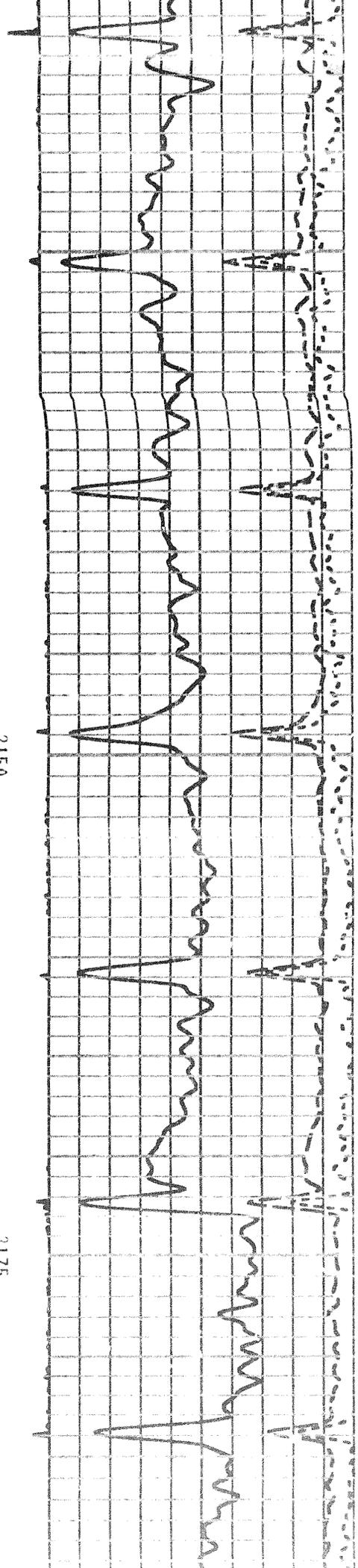
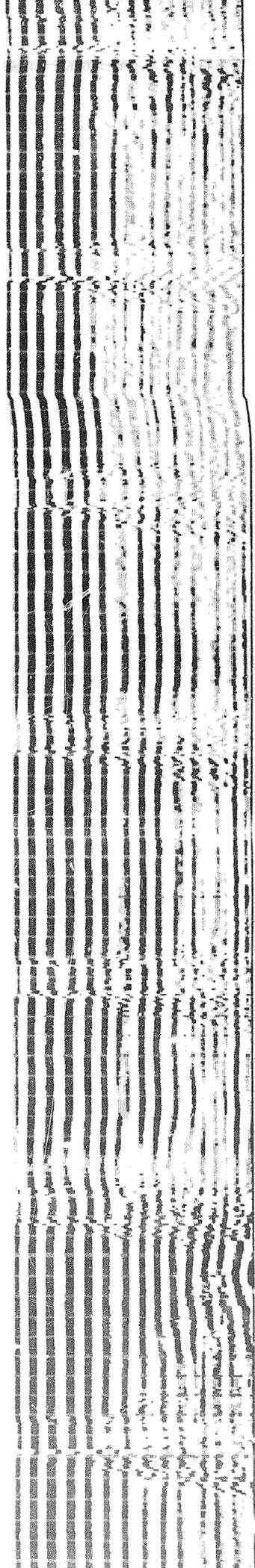


3050

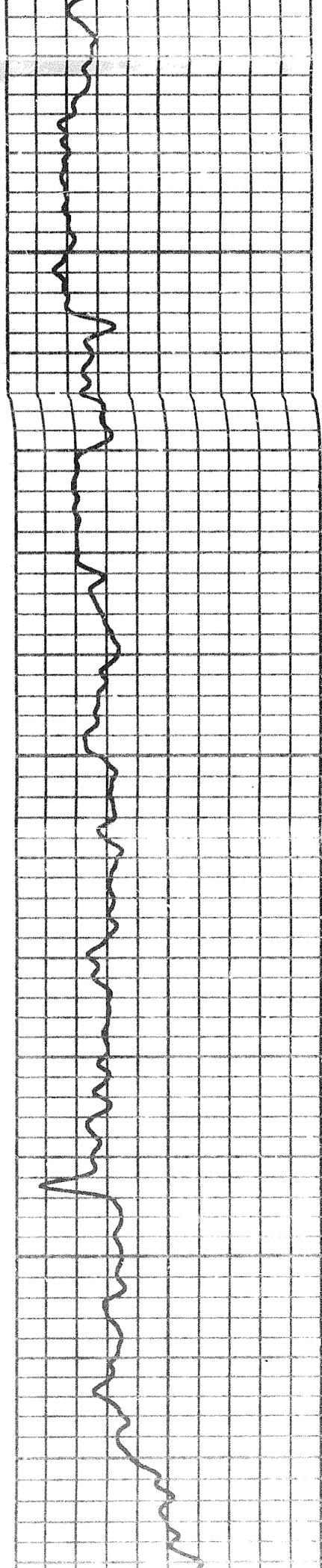
3075

3100



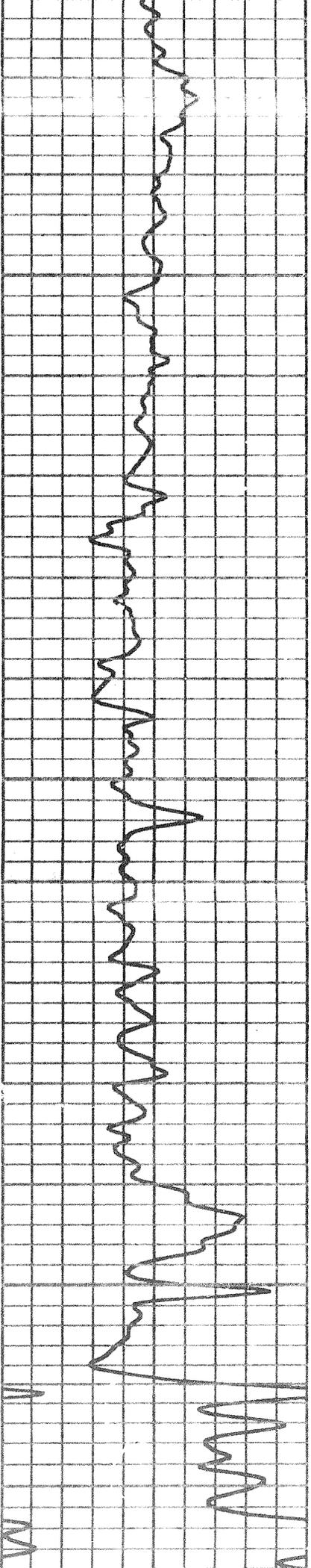


3125



3150

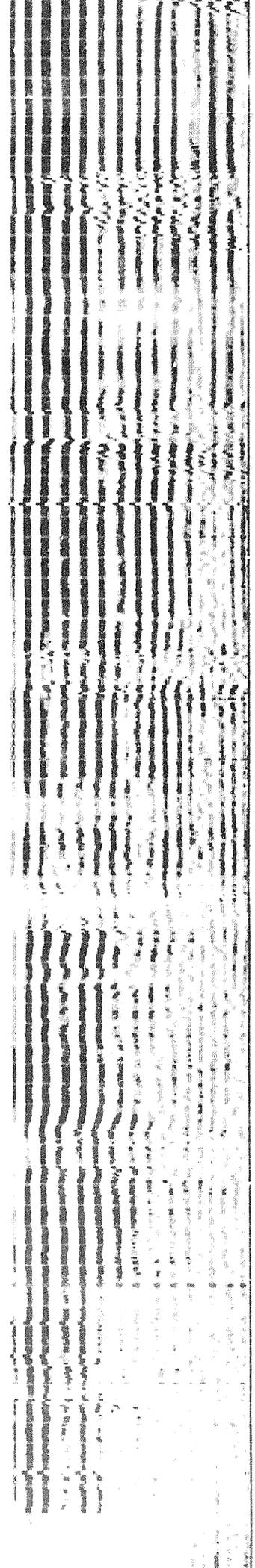
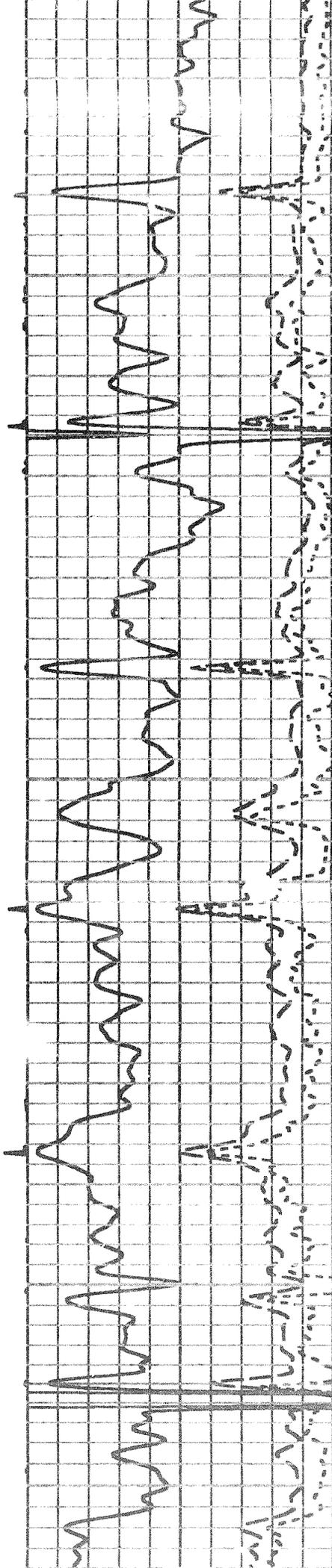
3175



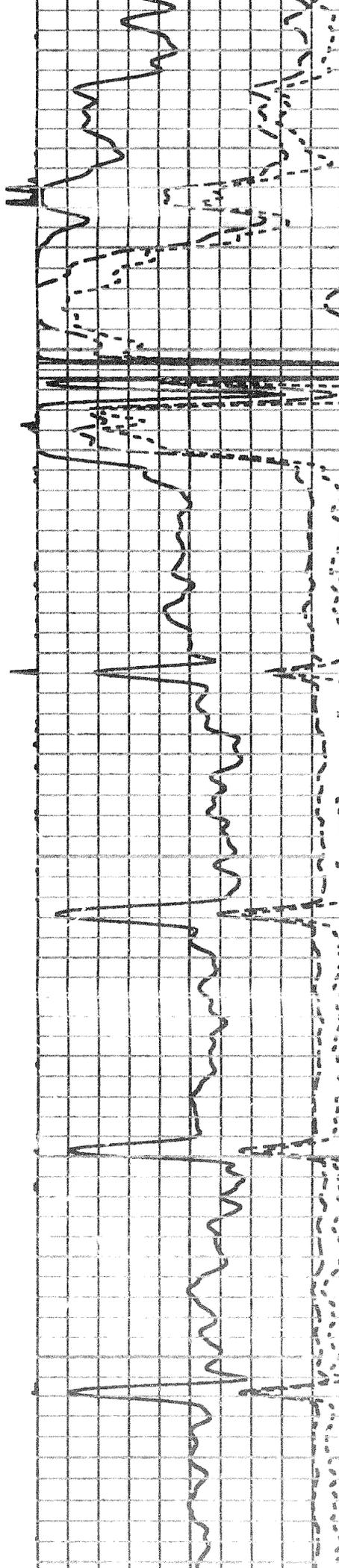
3200

3225

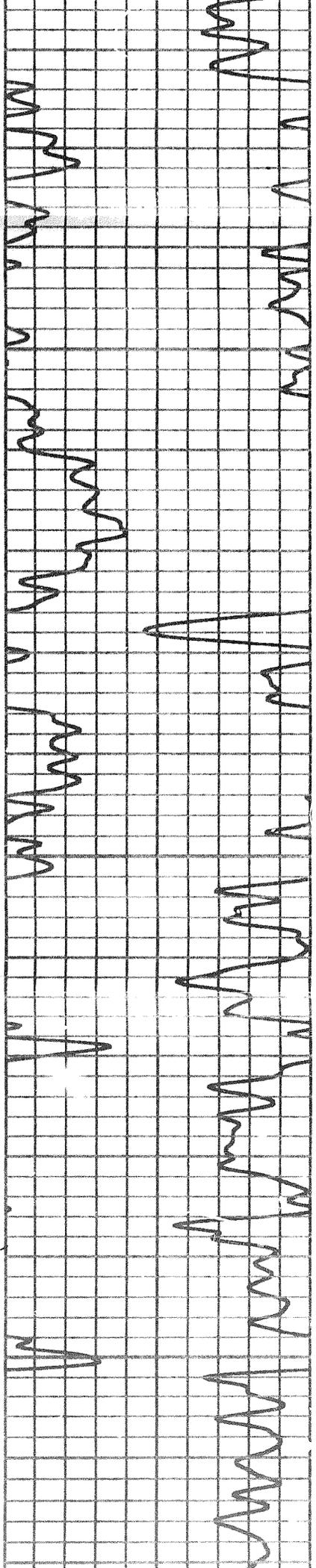
3250



Handwritten notes and text at the top of the page, including a header with a date and time, and several lines of illegible text.

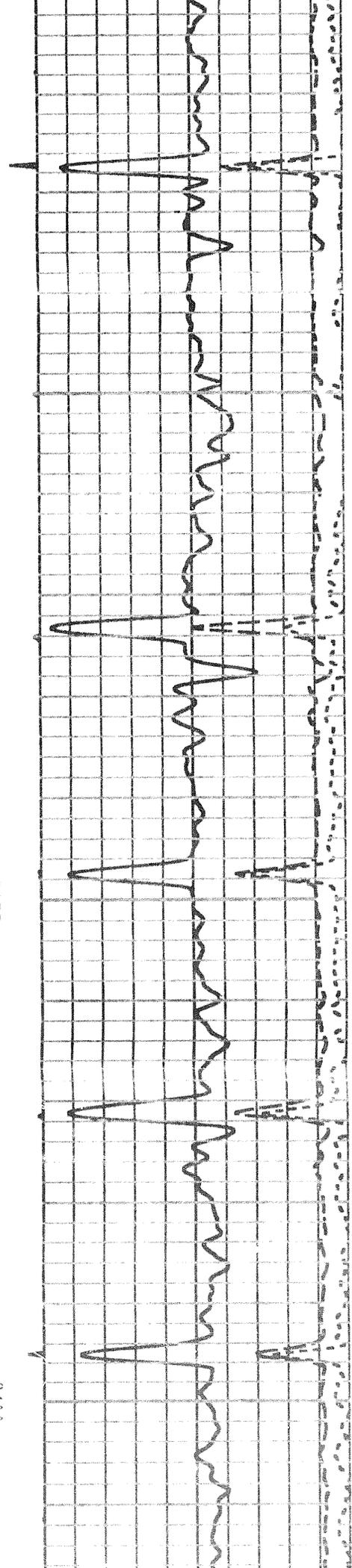
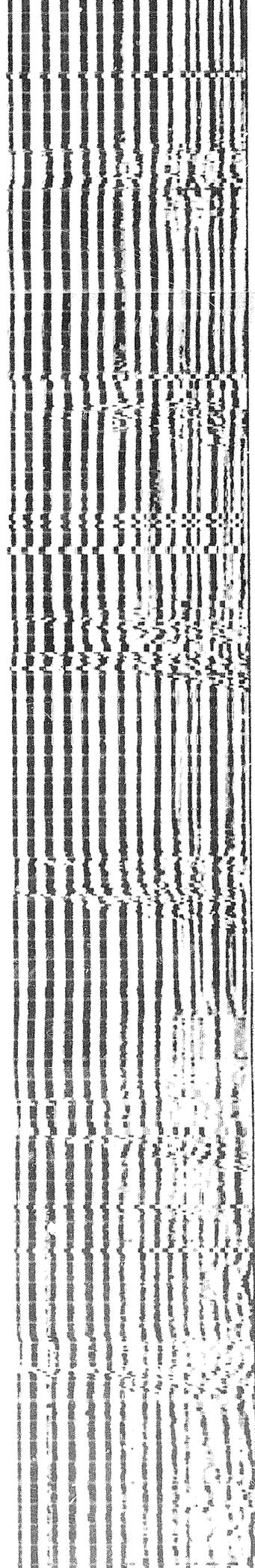


3275



3300

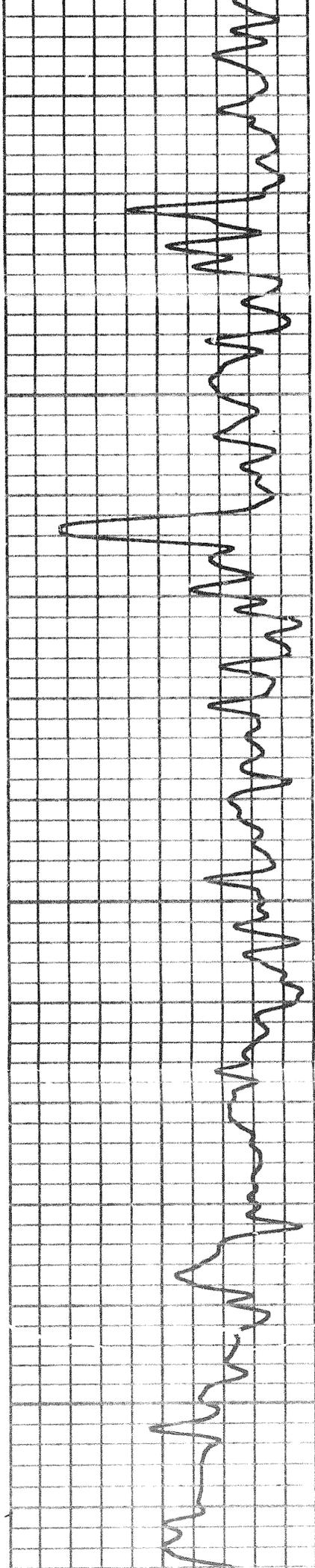
3325

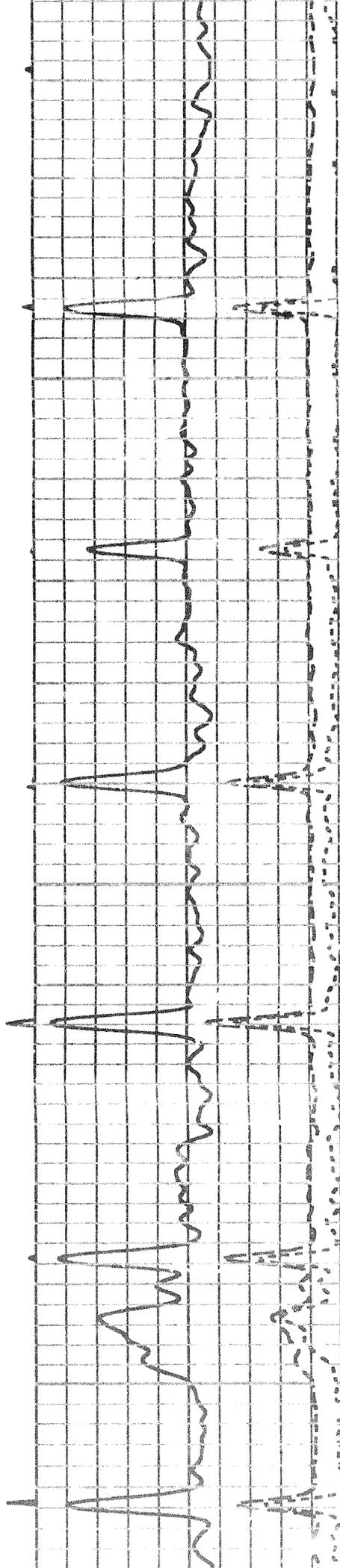
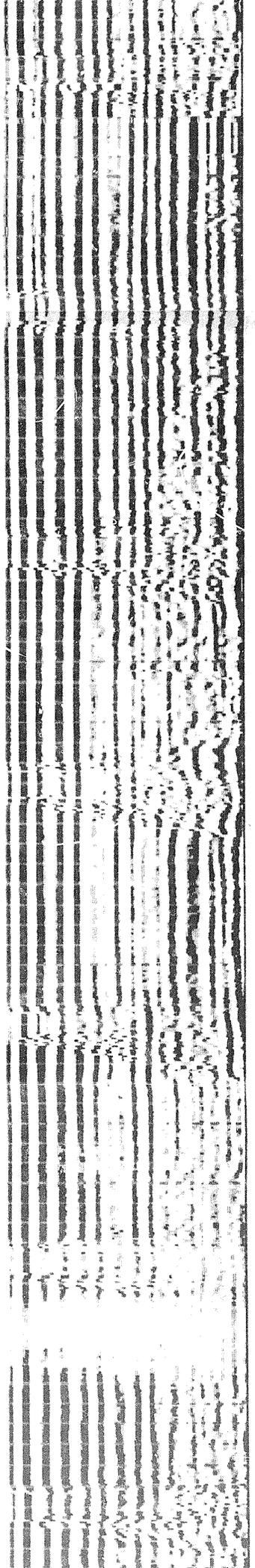


3350

3375

3400

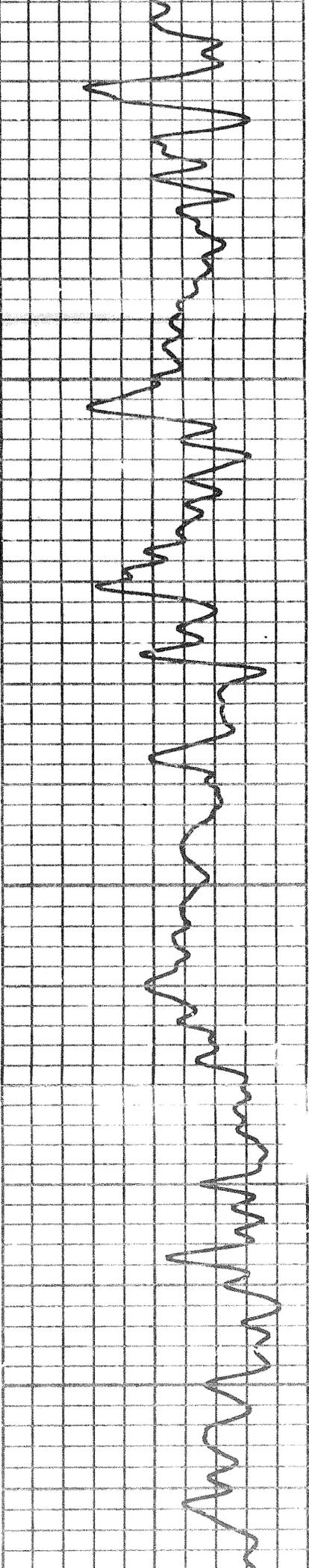


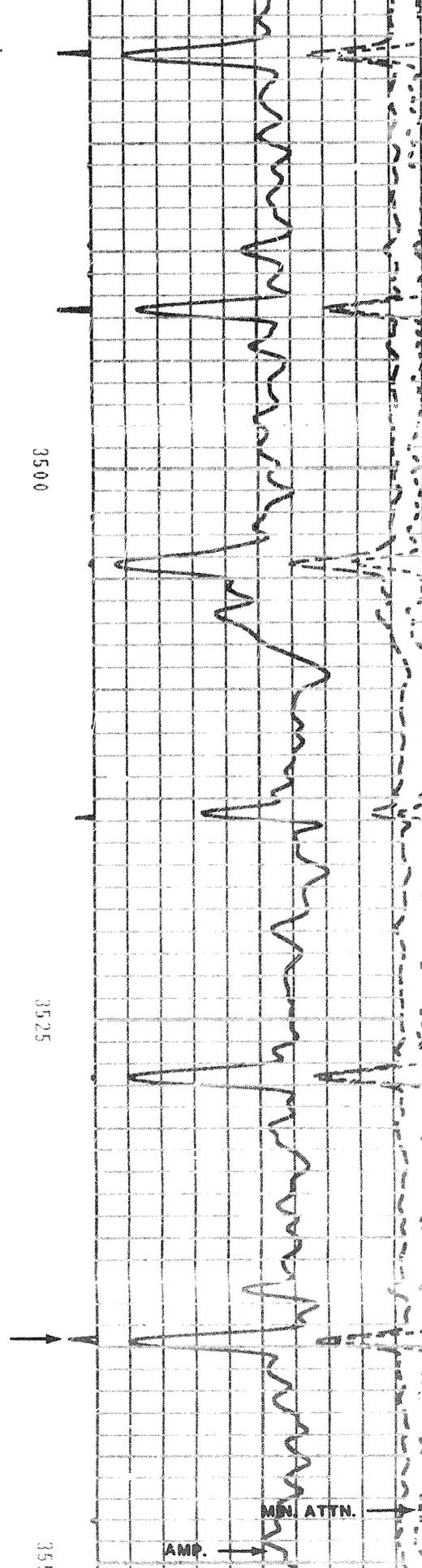
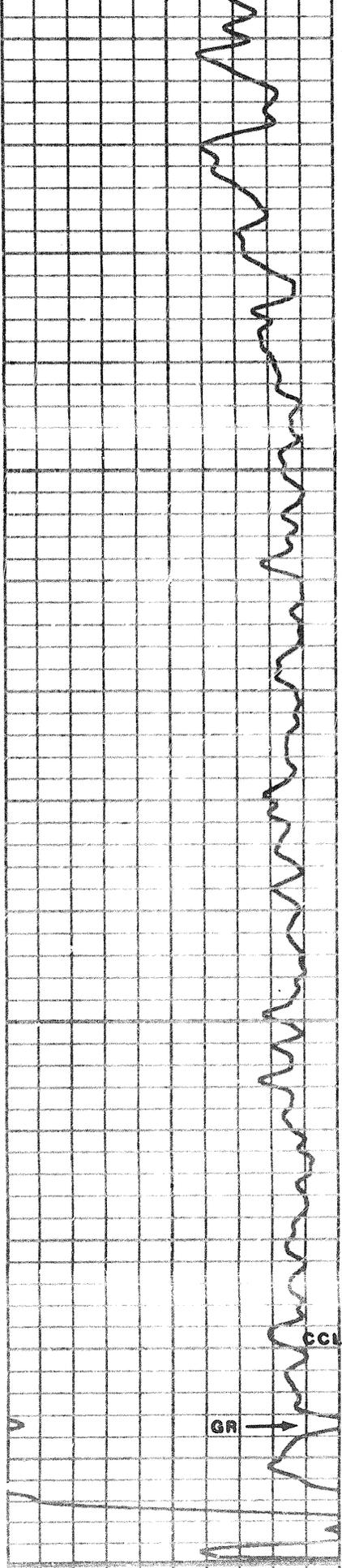


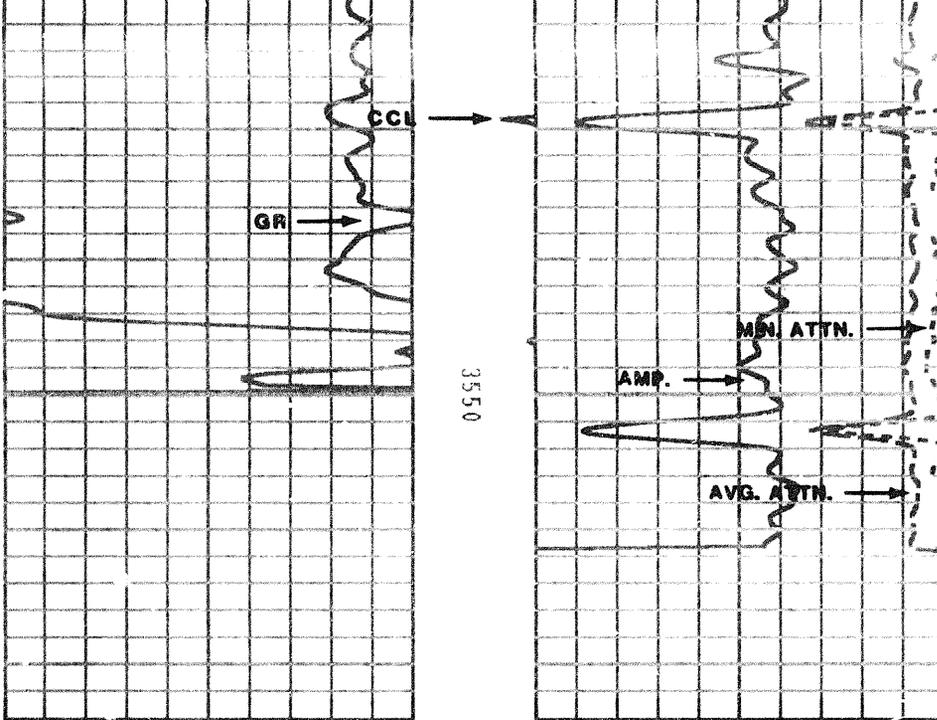
3425

3450

3475







AMAU (MU)

0 100

ATMN (DB/FT)

20 0

ATAU (DB/FT)

20 0

GR (API)

CCL

0

150

1000

FILE: 3

60-10-124.00/R

44-28-3-1
Schlumberger

COMPLETION RECORD

PROVINCE YUKON
 FIELD KOTANEELEE
 WELL COLUMBIA ET AL KOTANEELEE Y.T.
 COMPANY COLUMBIA GAS DEVELOPMENT CO.

COMPANY COLUMBIA GAS DEVELOPMENT CO. LTD.
 WELL COLUMBIA ET AL KOTANEELEE Y.T. 148
 FIELD KOTANEELEE
 PROVINCE YUKON RIG KENTING #7

LOCATIONS
FINAL LOG
 60 07'35.917"N
 124 07'36.45"W

API SERIAL NO. SECT. TWP. RANGE
 Other Services:
 DDL
 GAUGE R. & J
 PLUG
 CEMENT
 PACKER
 CIS

Permanent Datum Ground Level Elev. 851.7 M
 Log Measured From Kelly Bushing 7.6 M above Perm. Datum
 Drilling Measured From Kelly Bushing Elev.: K.B. 859.3 M
 D.F.
 G.L. 851.7 M

Date	17-MAY-1991	17-MAY-1991		
Run No.	PLUG	PACKER		
Depth Driller	4450.0 M	4450.0 M		
Depth Logger (Schl.)	3336.0 M	3271.4 M		
Blm. Log Interval	3325.0 M	3271.4 M		
Top Log Interval	3232.0 M	3271.4 M		
Type Fluid in Hole	DRILLING MUD			
Salinity Meq/l				
Density	1190. K/M3			
Fluid Level	0.0 M			
Max. Rec. Temp.				
Deviation				
Logger on Bottom	00:30 17-MAY-1991	12:49 17-MAY-1991		
Equip. Location	323 FRONTIER			
Recorded By	PAUL MANNING			
Witnessed By	HAROLD RUGG			
Bit Size	SURFACE	INTER	INTER	PRODUCTION
Depth				
Size	540 MM	339 MM	244.5 MM	177.8 MM
Weight	140,000 KG/M	107,100 KG/M	69,900 KG/M	43,1000 KG/M
Casing Top-Driller	0.0 M	0.0 M	0.0 M	0.0 M
Casing Top-Logger	216.0 M	1052.0 M	3265.0 M	4428.0 M
Casing Shoe-Driller				
Casing Shoe-Logger				

NATIONAL ENERGY BOARD
 MEMBERSHIP BRANCH
 OCT 1 8 1991

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	PLUG	PACKER
Service Order No.	242159	242159
Logging Speed	550.0 M/HR	550.0 M/HR
EQUIPMENT DATA		
Tool Number 1	PLUG	PACKER
Tool Number 2	CAL-B 2459	CAL-B 2459
Tool Number 3	SHM-AA 508	SHM-AA 508
Tool Number 4		
Tool Number 5		
Tool Number 6		
Tool Number 7		
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:
 Correlated to Lee Tool Gamma Ray Perforating Record dated 30-OCT-1990.
 Run #1 : Collar log with 5.961" gauge ring and junk basket.
 Run #2 : 177.8 mm Baker Model S Bridge Plug set at 3331.0 mK
 Run #3 : Two cement dump balls runs to set 8 m cement plug.
 Run #4 : 5.961 " gauge ring and junk basket.
 Run #5 : Whipstock packer set at 3271.4 mKB

Record dated 30-OCT-1990.
 Run #1 : Collar log with 5.981" gauge ring and junk basket.
 Run #2 : 177.8 mm Baker Model S Bridge Plug set at 3331.0 mK
 Run #3 : Two cement dump balls runs to set 8 m cement plug.
 Run #4 : 5.981 " gauge ring and junk basket.
 Run #5 : Whipstock packer set at 3271.4 mKB
 Run #6 : Run Sperry Sun tools.

PLUG-PACKER SUMMARY

DESCENT: 2

17 MAY 91

TYPE: PLUG

PRESSURE RATING: 101 KPA

SIZE: 177.8 MM

DEVICE	STATUS	TOOL ZERO	TOP OF DEVICE	TIME
	SET	3333.8 m	3331.0 m	01:04

CP 32.4 FILE 6 17-MAY-1991 01:33 (UP)

CHANGED PARAMETERS

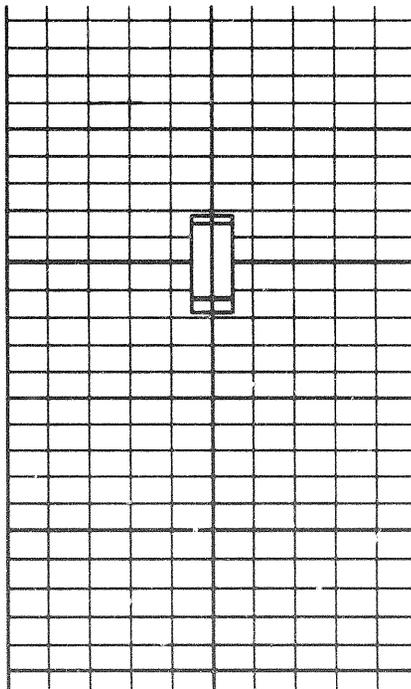
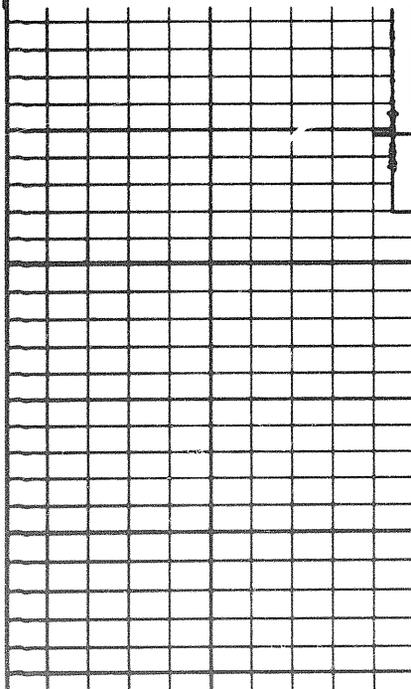
NAME	VALUE	UNIT	DEPTH (M)	NAME	VALUE	UNIT	DEPTH (M)
CSIZ	139.700	MM	3311.8	CSIZ	177.800	MM	3223.3

CCL	
10.00	10000

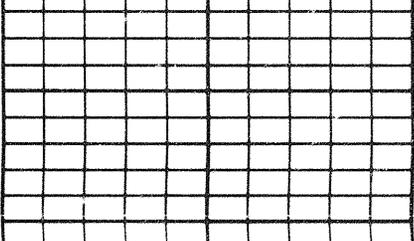
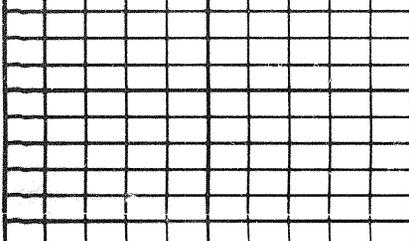
CCL

CP 32.4 FILE 6 17-MAY-1991 01:32 (UP)

1/240



PLUG
 177.8 MM
 SET
 2.8 M FROM CCL
 TO TOP OF PLUG
 3333.8 m ZERO (CCL)
 3331.0 m PLUG DEPTH



1/240

CP 32.4

FILE 6

17-MAY-1991 01:30

(UP)

CCL	
-----	--

CCL	
-19.00	10000

SENSOR MEASURE POINT TO TOOL ZERO

CCL 0.0 METER
SCCL 0.0 METER

TENS 0.0 METER

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SDC	0.0	M	BS	200.000	MM
BHS	CASE		CSIZ	177.800	MM

AFTER SETTING PLUG CORRELATION LOG

CSU

CCL		TENS(LDF)
-19.00	1.0000	5000.0 0.0

CP 32.4

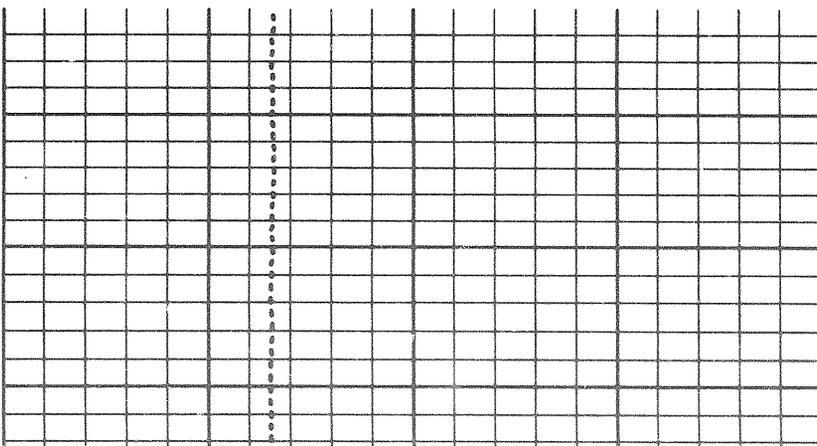
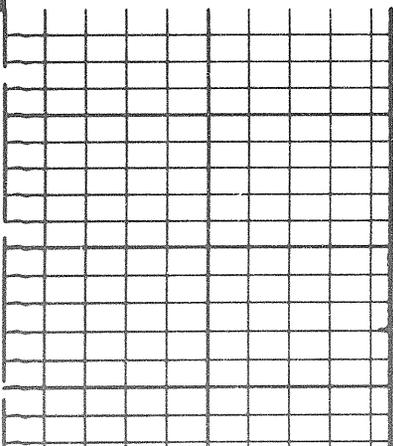
FILE 4

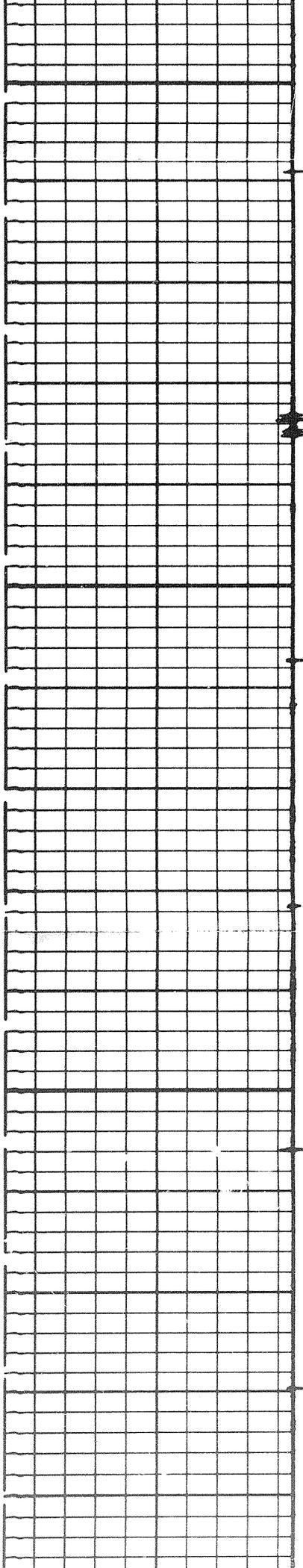
17-MAY-1991 14:45

INPUT FILE(S)
5

DATA ACQUIRED

1/240

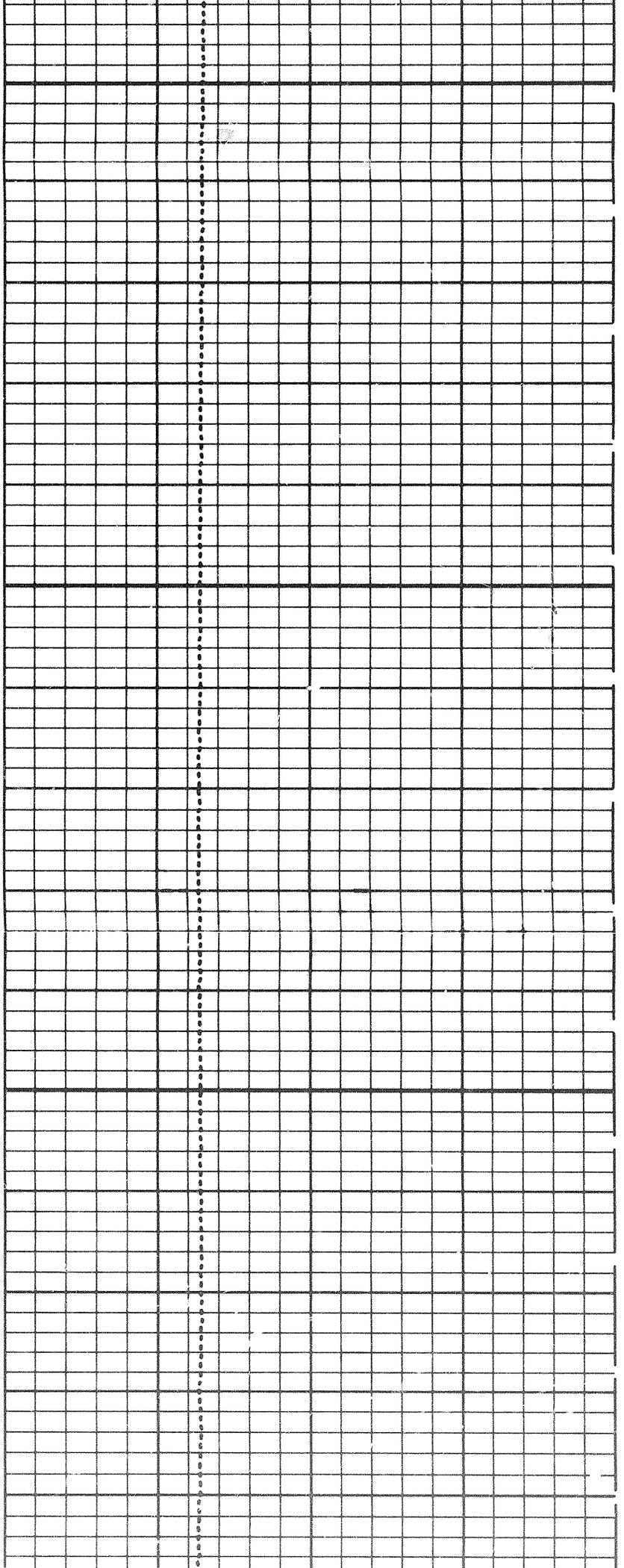


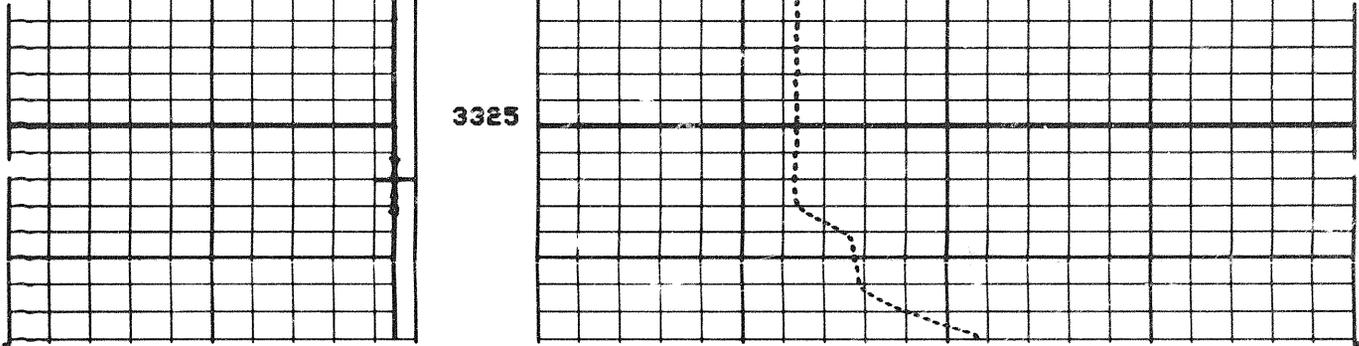


3250

3275

3300





1/240

CP 32.4 FILE 4 17-MAY-1991 14:45

INPUT FILE(S) DATA ACQUIRED

5

CCL		TENS(LBF)	
-19.00	1.0000	5000.0	0.0

PLUG-PACKER SUMMARY

DESCENT: 5 17 MAY 91

TYPE: PACKER PRESSURE RATING: 101 KPA

SIZE: 177.8 MM

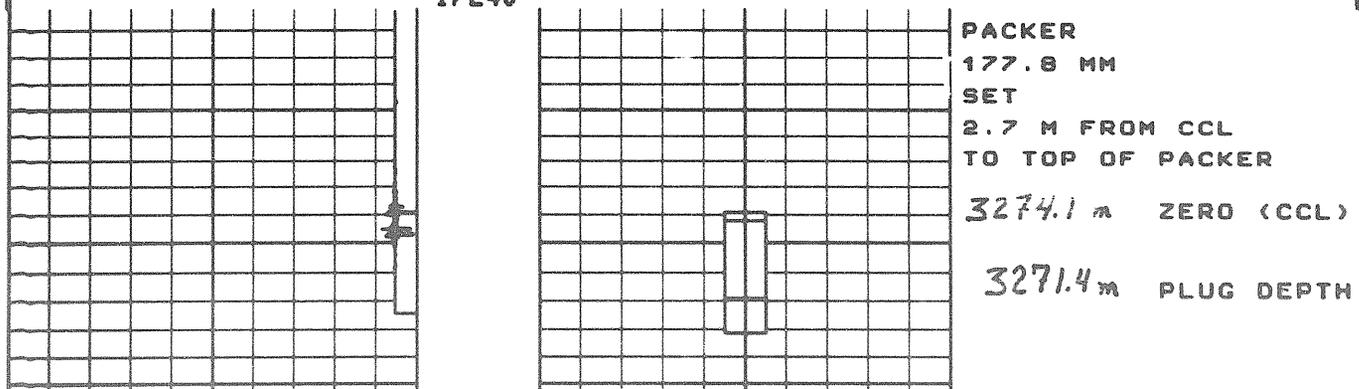
DEVICE	STATUS	TOOL ZERO	TOP OF DEVICE	TIME
	SET	3274.1m	3271.4m	13:02

CP 32.4 FILE 9 17-MAY-1991 13:25 (UP)

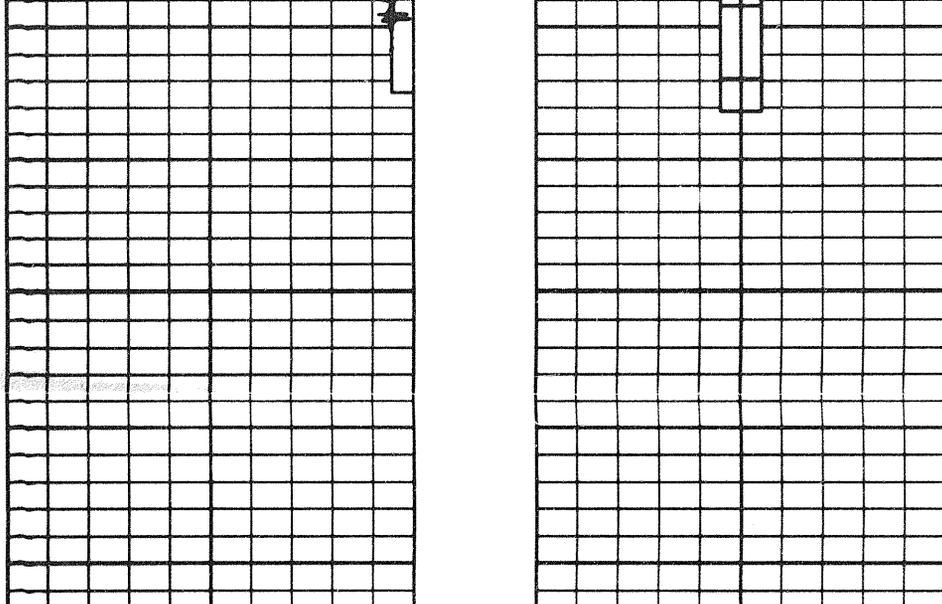
CCL			
-19.00	10000		
CCL			

CP 32.4 FILE 9 17-MAY-1991 13:24 (UP)

1/240



3271.4m PLUG DEPTH



1/240

CP 32.4

FILE 9

17-MAY-1991 13:23

(UP)

CCL	
CCL	
10.00	10000

AFTER SETTING PACKER CORRELATION LOG

CSU

CCL		TENS(LBF)
10.00	10000	5000.0 0.0
CCL		

CP 32.4

FILE 1

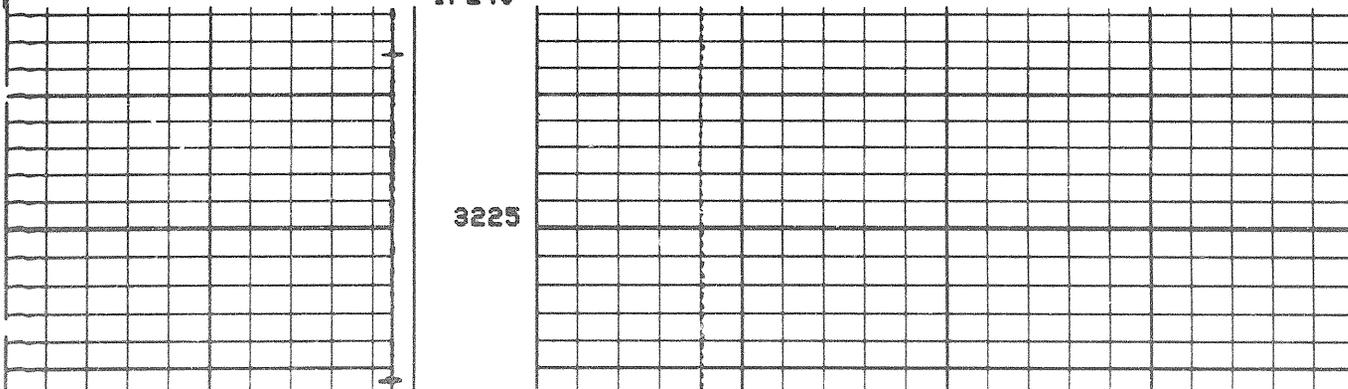
17-MAY-1991 13:50

INPUT FILE(S)

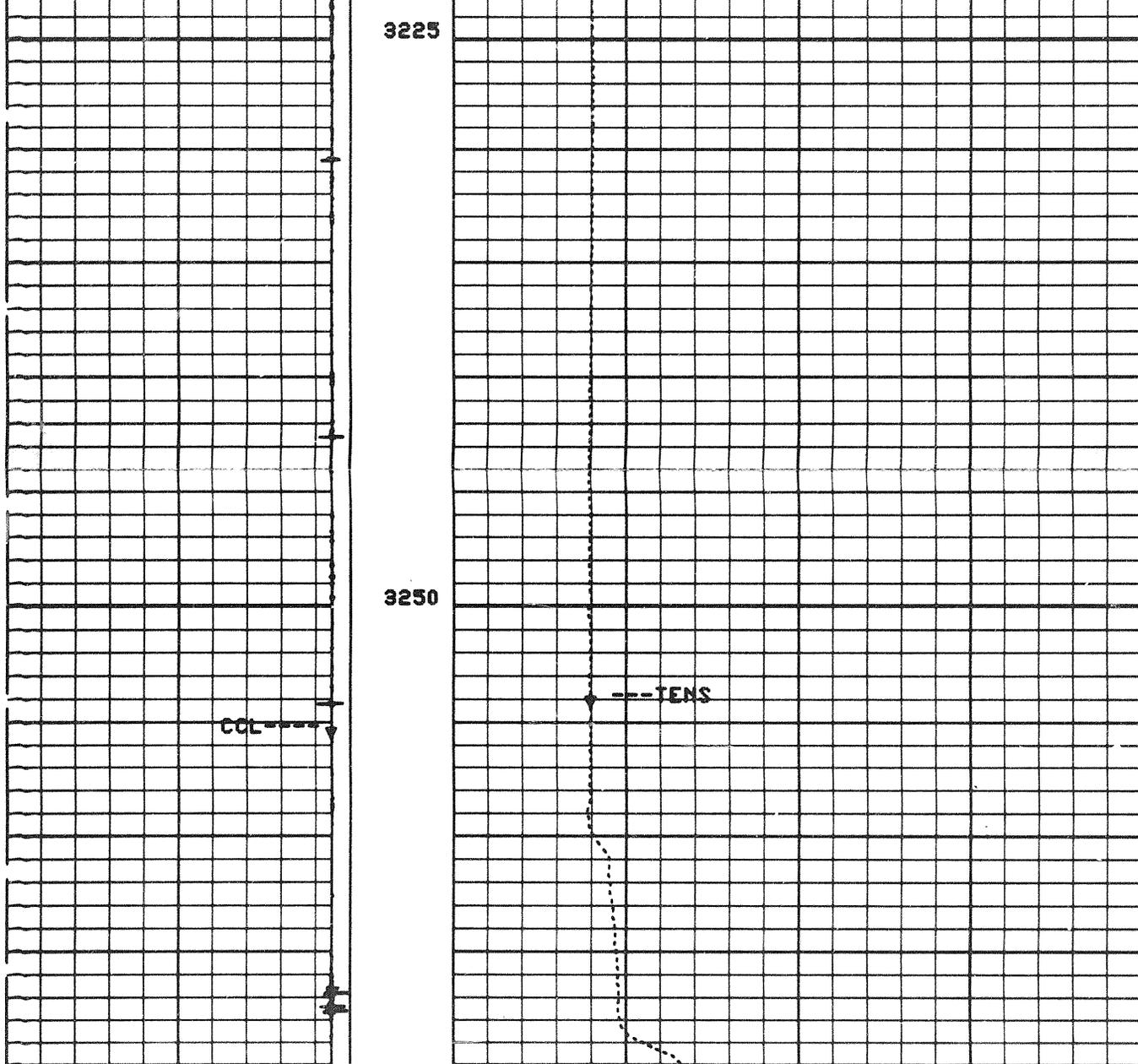
DATA ACQUIRED

8

1/240



3225



1/240

CP 32.4

FILE 1

17-MAY-1991 13:49

INPUT FILE(S)
8

DATA ACQUIRED

CCL			
CCL		TENS(LBF)	
-19.00	10000	5000.0	0.0

DEPTH DETERMINATION LOG



CCL		TENS(LBF)	
-19.00	1.0000	5000.0	0.0

CCL		TENS(LBF)
-19.00	1.0000	5000.0 0.0

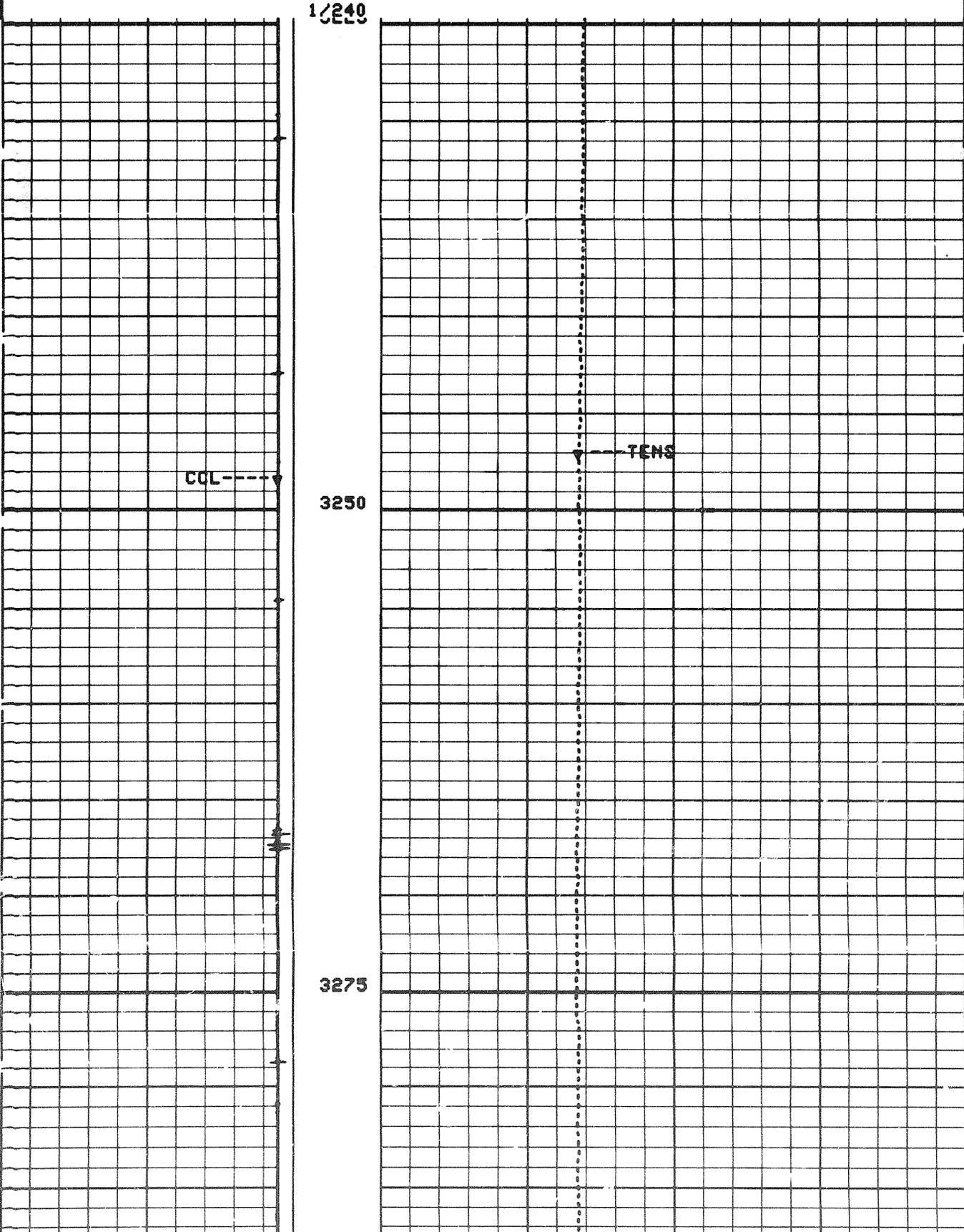
CP 32.4

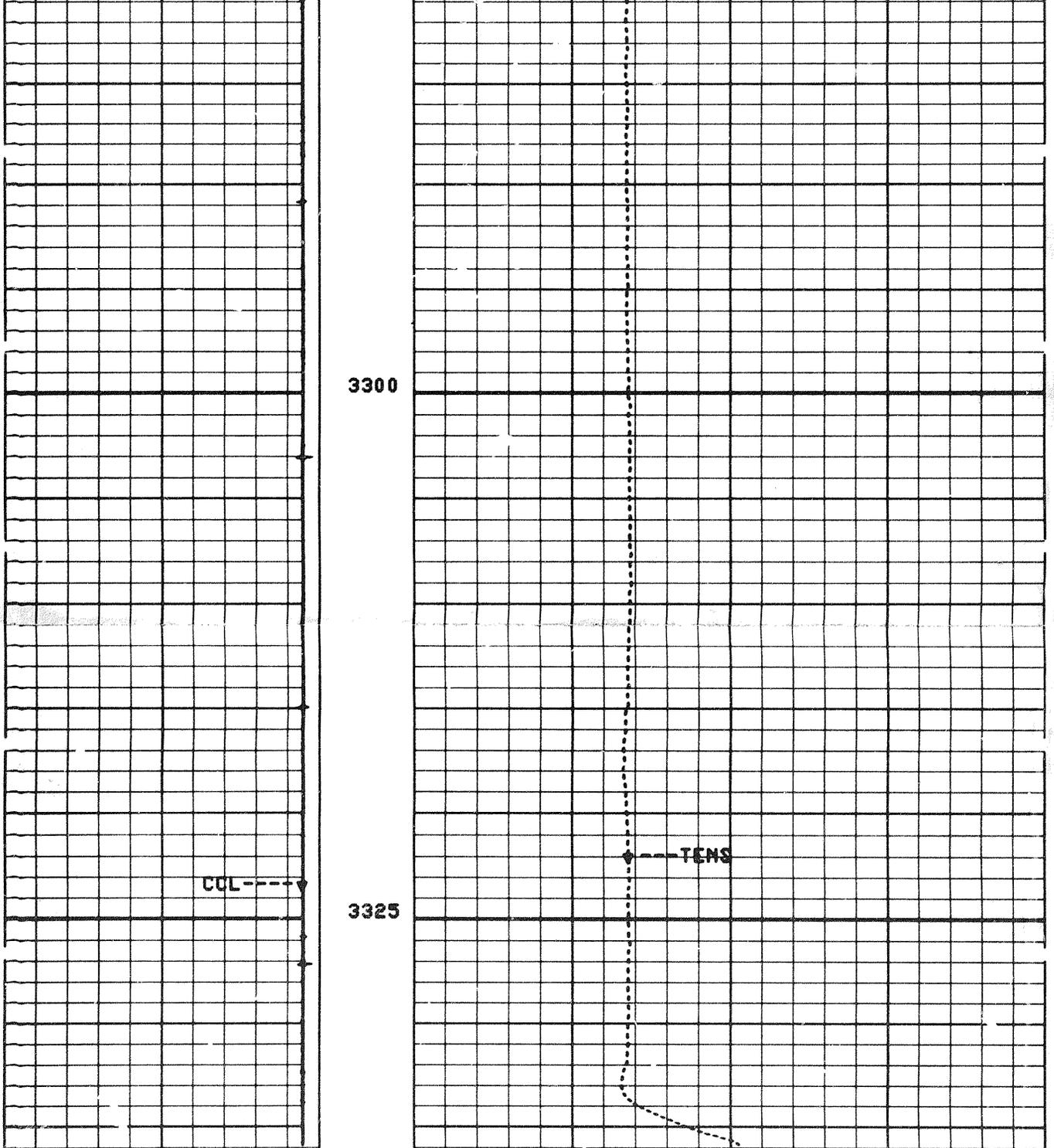
FILE 2

17-MAY-1991 14:24

INPUT FILE(S)
2

DATA ACQUIRED





1/240

CP 32.4

FILE 2

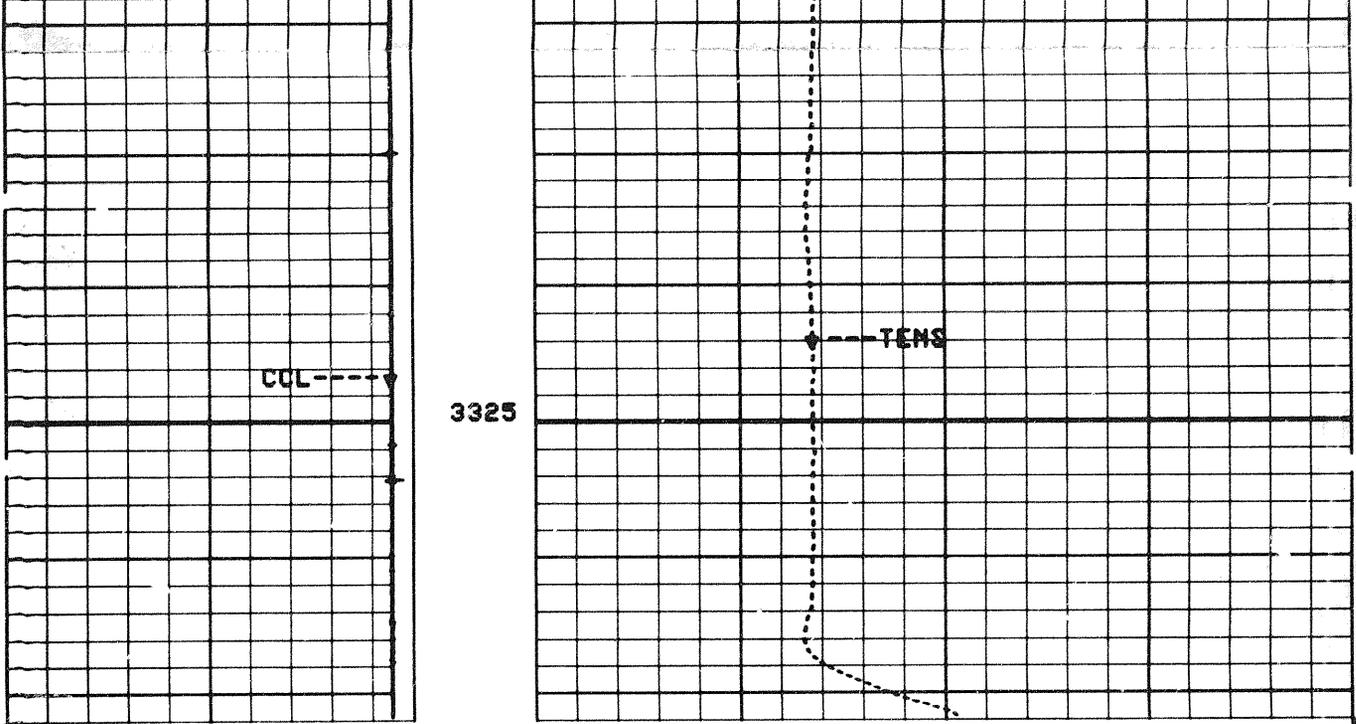
17-MAY-1991 14:23

INPUT FILE(S)
2

DATA ACQUIRED

CCL		TENS(LDF)
-19.00	1.0000	5000.0 0.0

COMPANY	COLUMBIA GAS DEVELOPMENT CO. LTD.	SCHL. FR	3325.0 M
WELL	COLUMBIA ET AL KOTANEELEE Y.T. I-48	SCHL. TD	3335.0 M
FIELD	KOTANEELEE	DRLR. TD	4450.0 M
PROVINCE	YUKON	RIG	KENTING #7
		Elev:	KB 859.3 M
			DF
			GL 851.7 M



1/240

CP 32.4

FILE 2

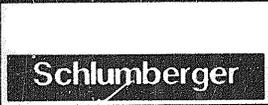
17-MAY-1991 14:23

INPUT FILE(S)
2

DATA ACQUIRED

CCL		TENS(LBF.)	
-19.00	1.0000	5000.0	0.0

COMPANY	COLUMBIA GAS DEVELOPMENT CO. LTD.	SCHL. FR	3325.0 M
WELL	COLUMBIA ET AL KOTANEELEE Y.T. I-48	SCHL. TD	3335.0 M
FIELD	KOTANEELEE	DRLR. TD	4450.0 M
PROVINCE	YUKON	RIG	KENTING #7
		Elev:	KB 859.2 M
		DF	
		GL	851.7 M



COMPLETION RECORD