



ATLAS WIRELINES SERVICES

SEGMENTED BOND
GAMMA RAY CCL

FILE NO.

COMPANY OXY USA, INC.

WELL TANNER F. NO. 1 LD5N 401

FPI NO. 05-009-06115

FIELD CRMP0

COUNTY BROA STATE COLO.

FINRL PRINT

LOCATION : E/2 NE NW 660' FNL & 2180' FWL

OTHER SERVICES
NONE

PERMANENT DATUM GROUND LEVEL ELEV. 4125

ELEVATIONS
KB 4137
DF 4135
GL 4125

LOGGING MEASURED FROM K.B. 12' FT. ABOVE P.D.

DRILLING MEASURED FROM KELLY BUSHING

DATE JULY 15, 1992

RUN 1

SERVICE ORDER 116843

DEPTH-DRILLER 4165

DEPTH-LOGGER 4162

BOTTOM LOGGED INTERVAL 4155

TOP LOGGED INTERVAL 1700

TYPE FLUID IN HOLE MTR.

SRLINITY PPM Q. N/R

DENSITY LB/GAL. N/R

LEVEL FULL

MAX. REC. TEMP. DEG. F 112 F.

OPR. RIG TIME 4 1/2

EQUIP. NO. / LOC. HL 6313 GT. BEND

RECORDED BY FISHER T.

WITNESSED BY MR. BOON

NO. BIT FROM 10

WELL FILE

BOREHOLE RECORD

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES 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.



Western Atlas International
A Division of Conoco

ATLAS WIRELINES SERVICES

CASTING RECORD

SIZE	WGT	FROM	TO
8 5/8	24.0	0	1790
5 1/2	14.0	0	6165

REMARKS RUN (1)

RESET TO HALLIBURTON DUAL IND. LOG DATED 6-9-92
 DV TOOL AT 3102
 RUN SBT UNDER 1,000 PSI.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	SBT	118057	1424 XA	CENT.
1	1	GR	41821	1309 XA	CENT.
1	1	VDL	118033	1424 PA	CENT.
1	1	PCM	117100	1633 EA	CENT.
1	1	CCL	350210	2315 NA	CENT.

LOG RAN UNDER 1,000 POUNDS PRESSURE

MAIN LOG
 CEMENT MAP

 FILE: 3

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
GR	29,0	FT., IN
CCL	36,0	FT., IN
RB	0	FT., IN
DEV	0	FT., IN
AAT1	10,6	FT., IN
AAT2	10,6	FT., IN
AAT3	10,6	FT., IN
AAT4	10,6	FT., IN
AAT5	10,6	FT., IN
AAT6	10,6	FT., IN

PARAMETERS

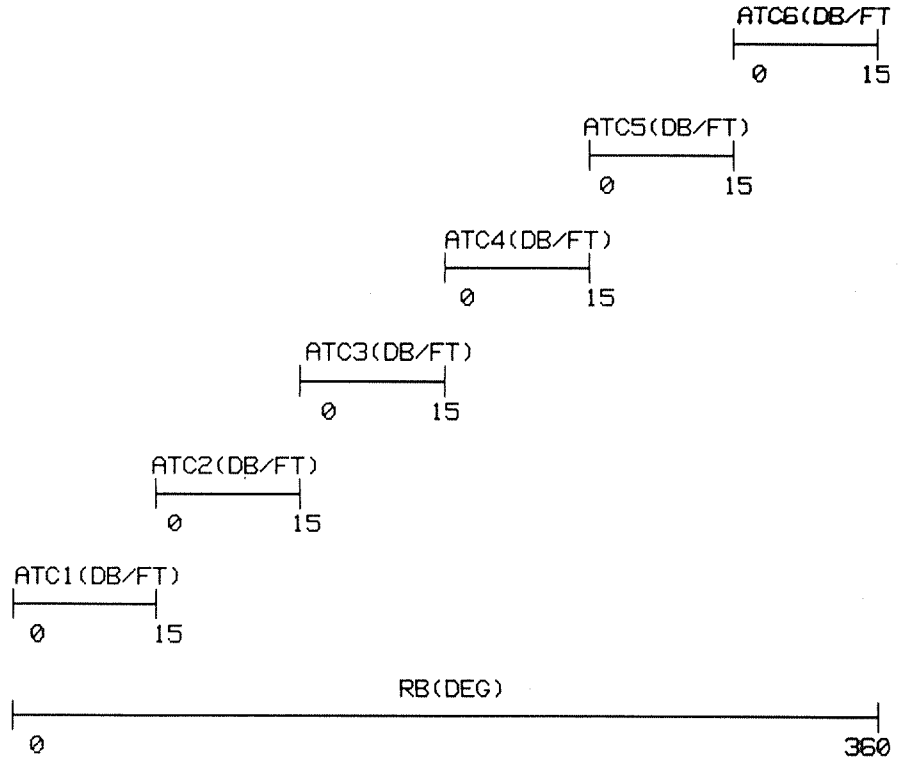
NAME DEPTH INTERVAL VALUE UNITS

NAME	DEPTH	INTERVAL	VALUE	UNITS
AFREE	4186	TO 1653	78.731	
CEM MAP RB	4186	TO 1653	CORR ON	
CEMENT STR	4186	TO 1653	2000.000	PSI
DBSPRD	4186	TO 1653	4.500	DB/FT
PIPE OD	4186	TO 1653	5.500	INCH
REC SPACE	4186	TO 1653	0.642	FT

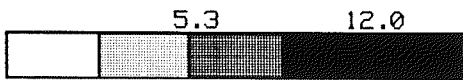
DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: OXY USA, INC. RUN: 1
WELL NAME: TANNER F. NO. 1 TRIP: 1
SERVICE: XSBTE1 FILE: 3 DATE: 07/15/92 TIME: 10:47:13
REVISION: FSYS256 REV:0002 VER:5.1 MODE: RECORD



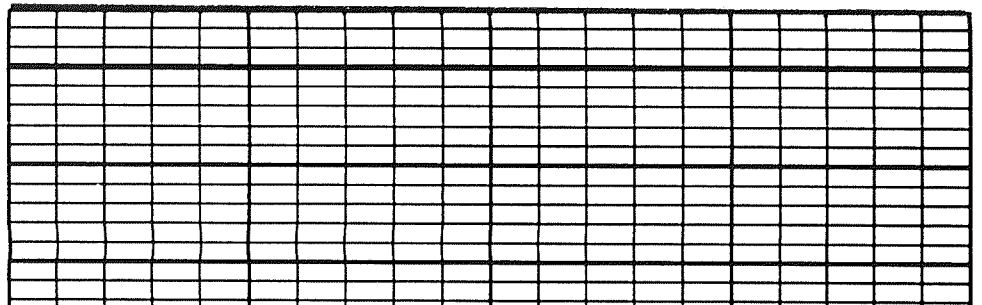
CCL
1030



2.0 8.7

CEMENT MAP

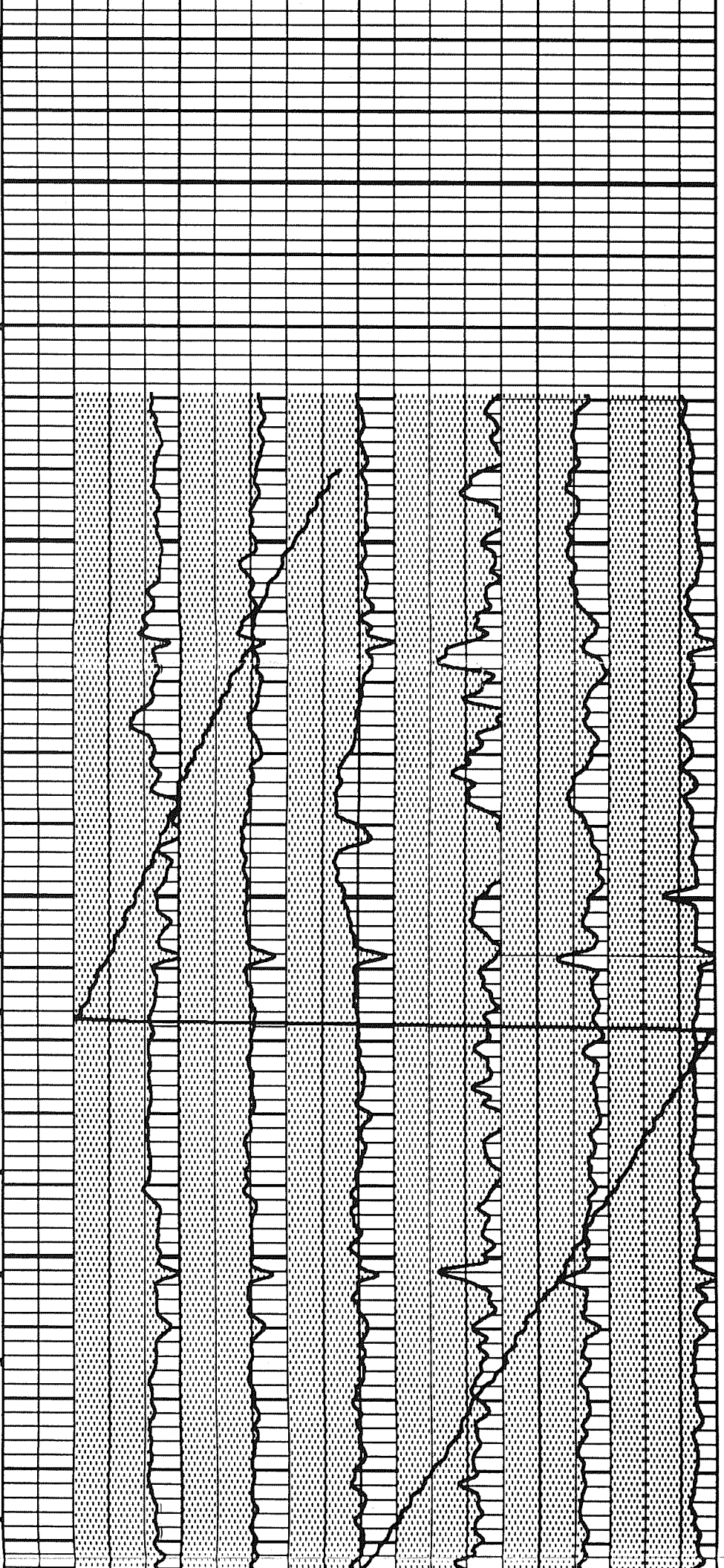
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CASING COLLAR

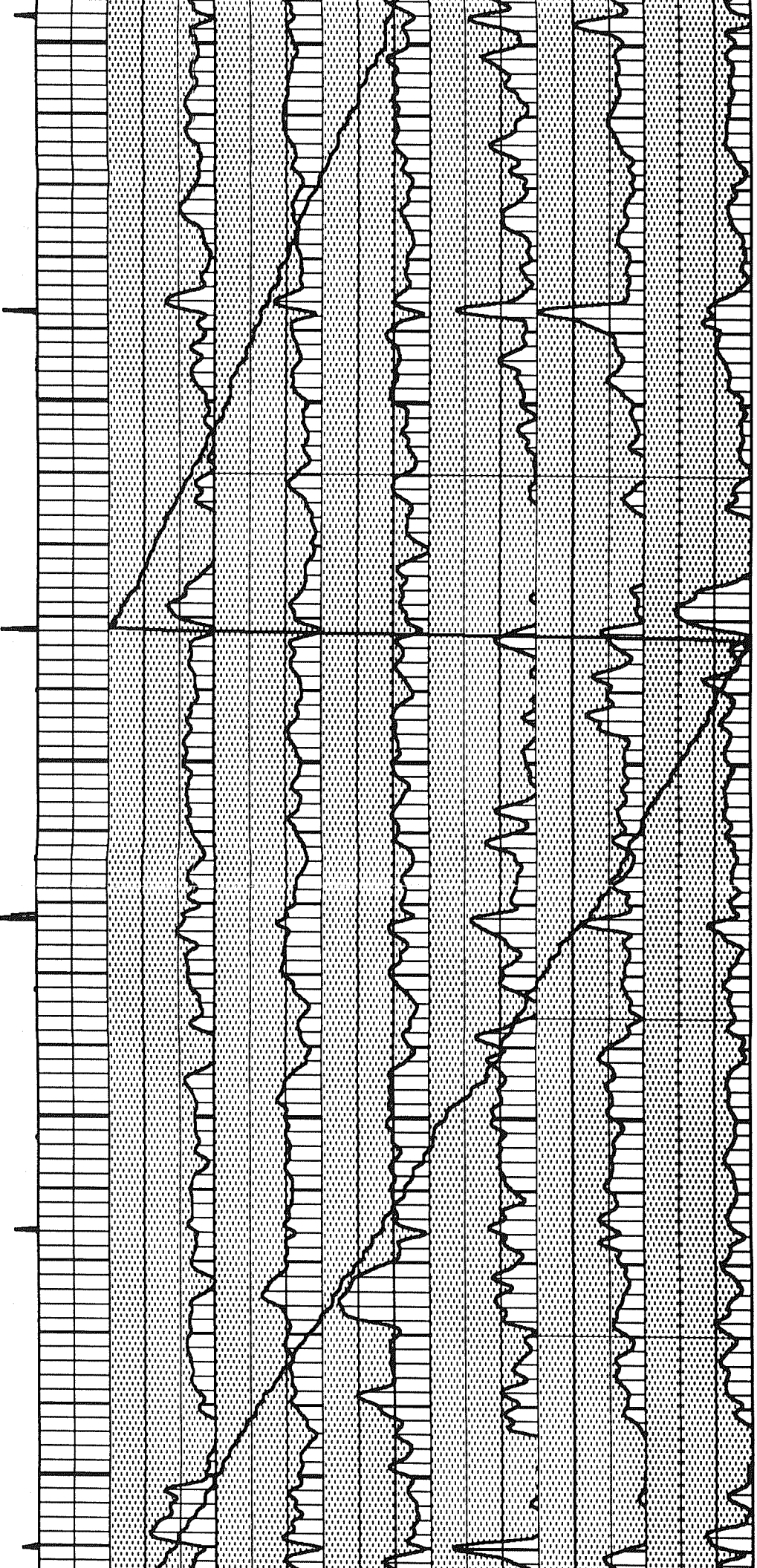
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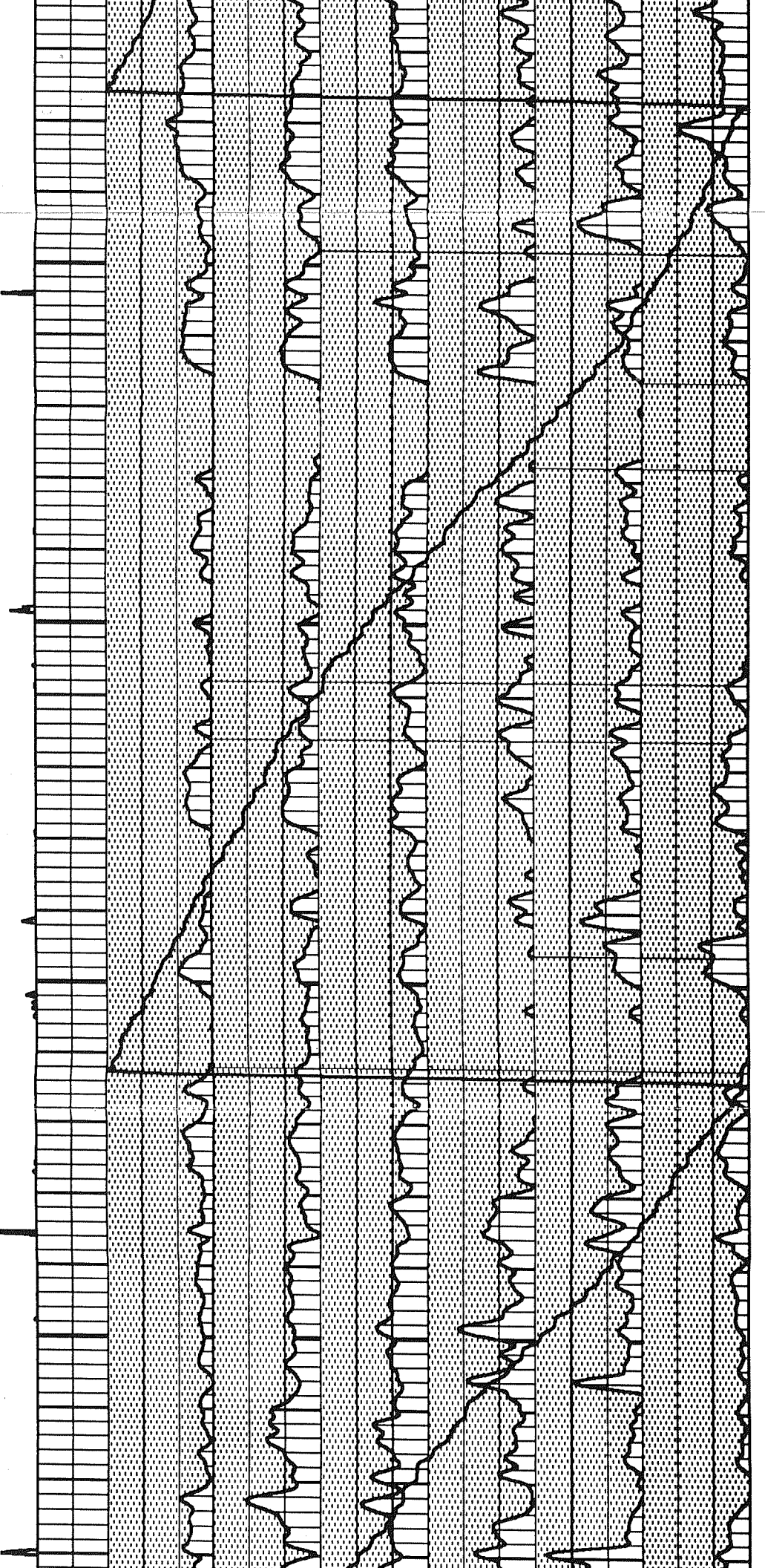
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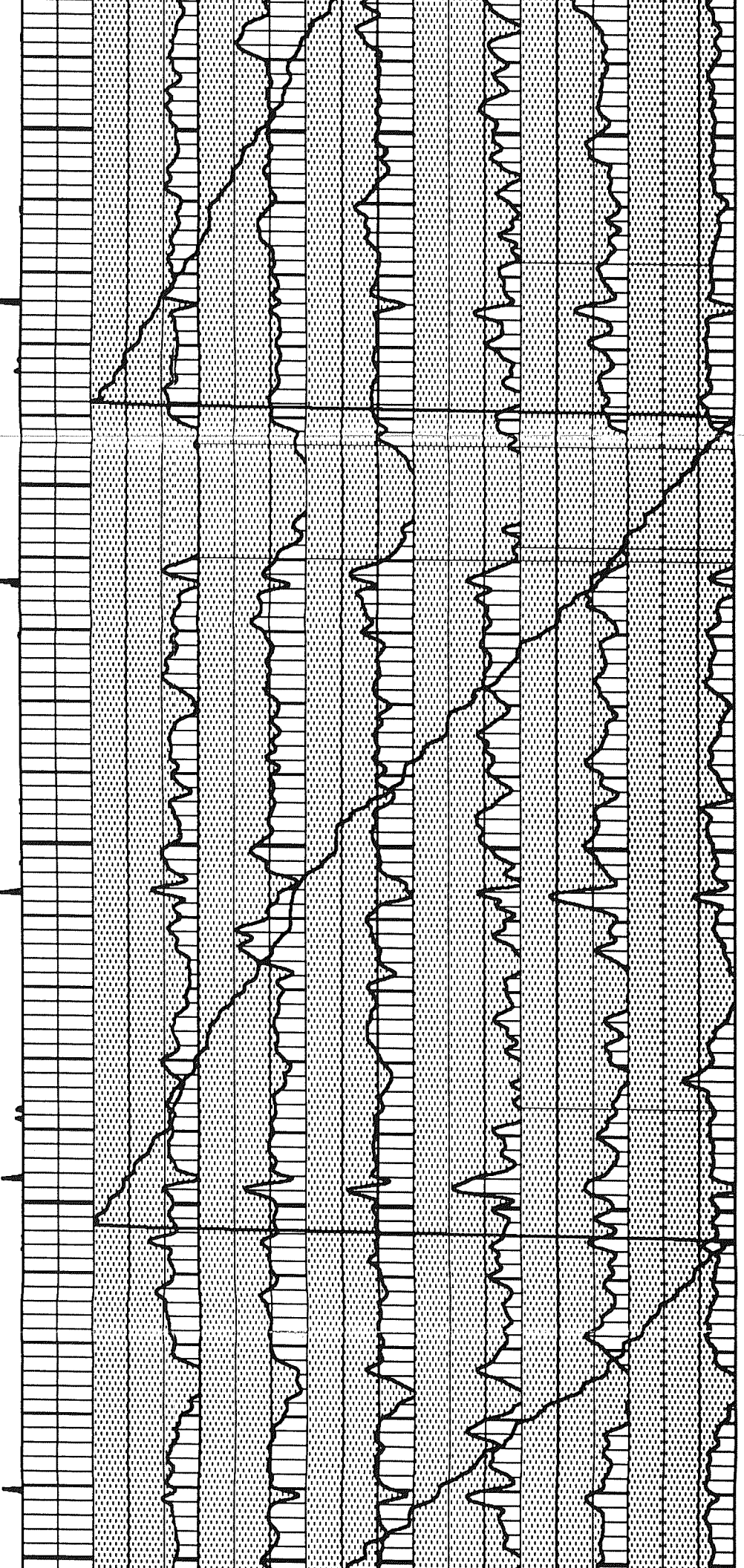
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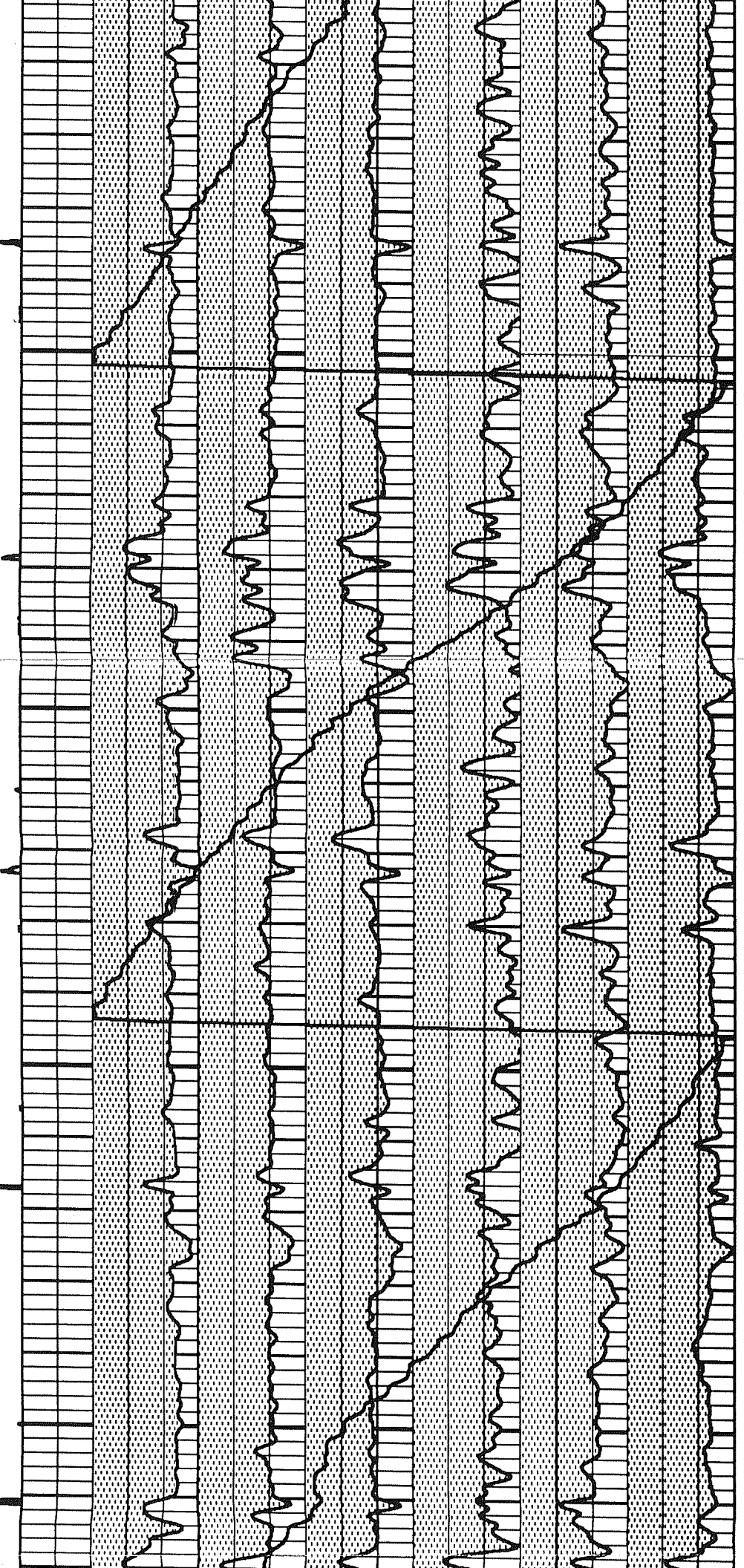
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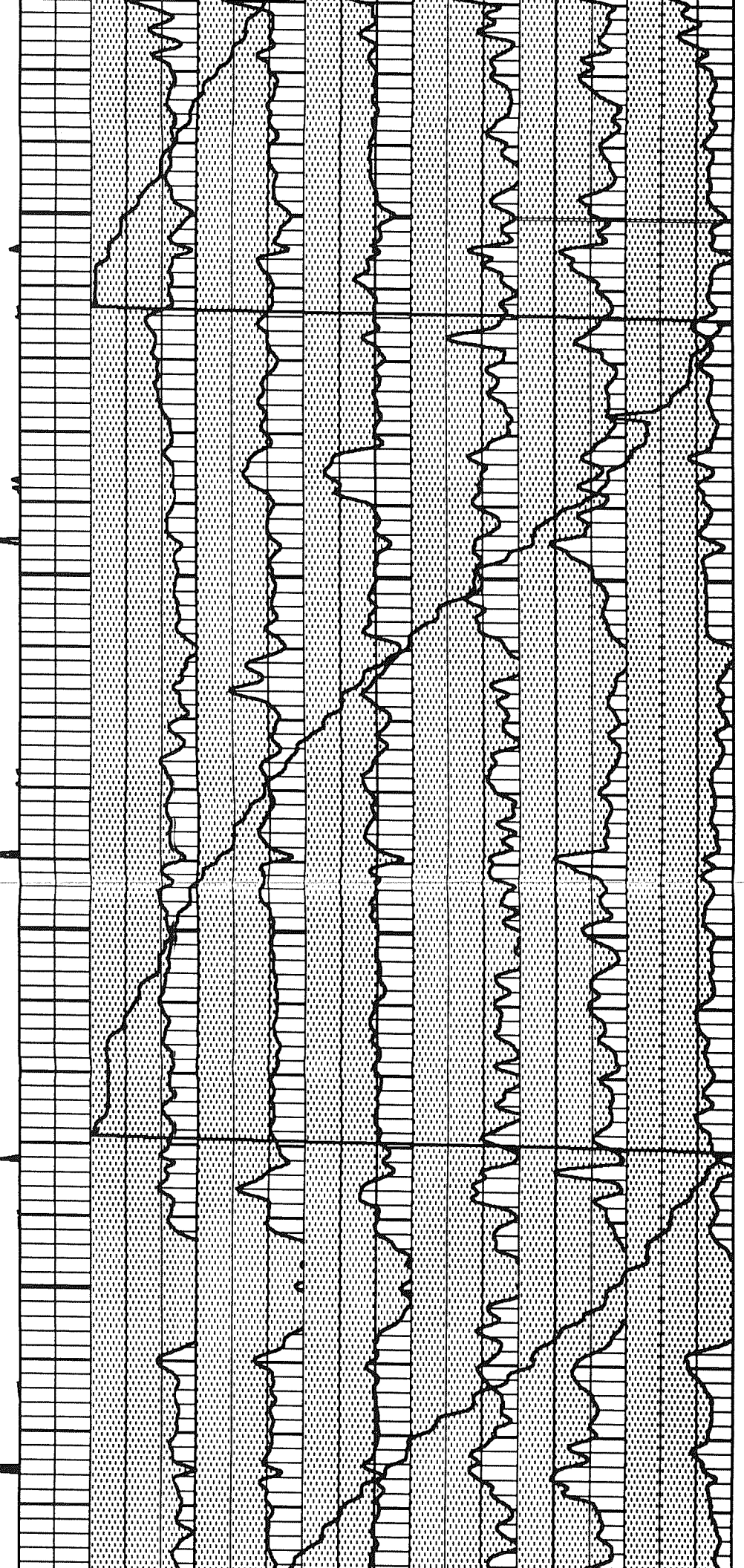
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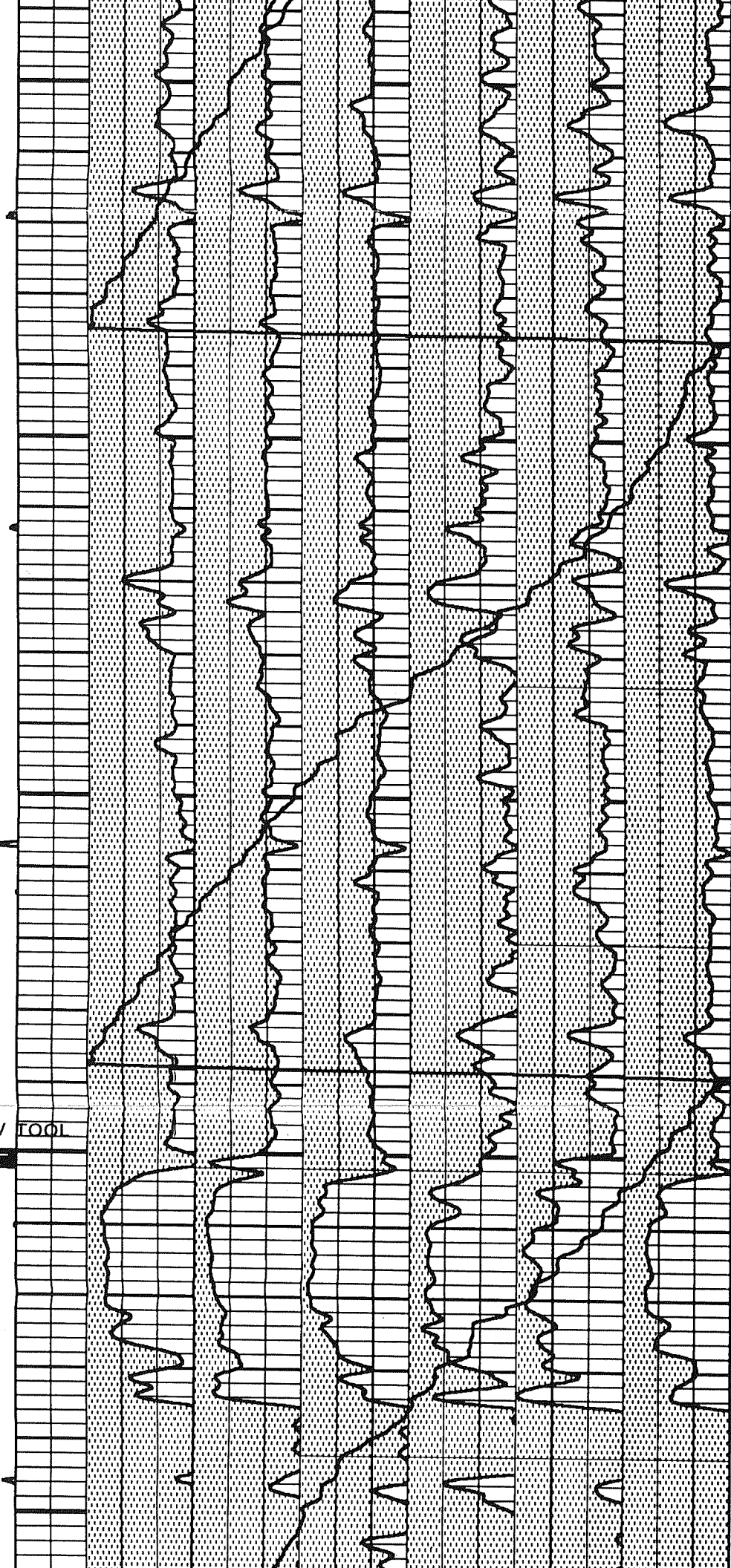
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03000

03100

DV TOOL



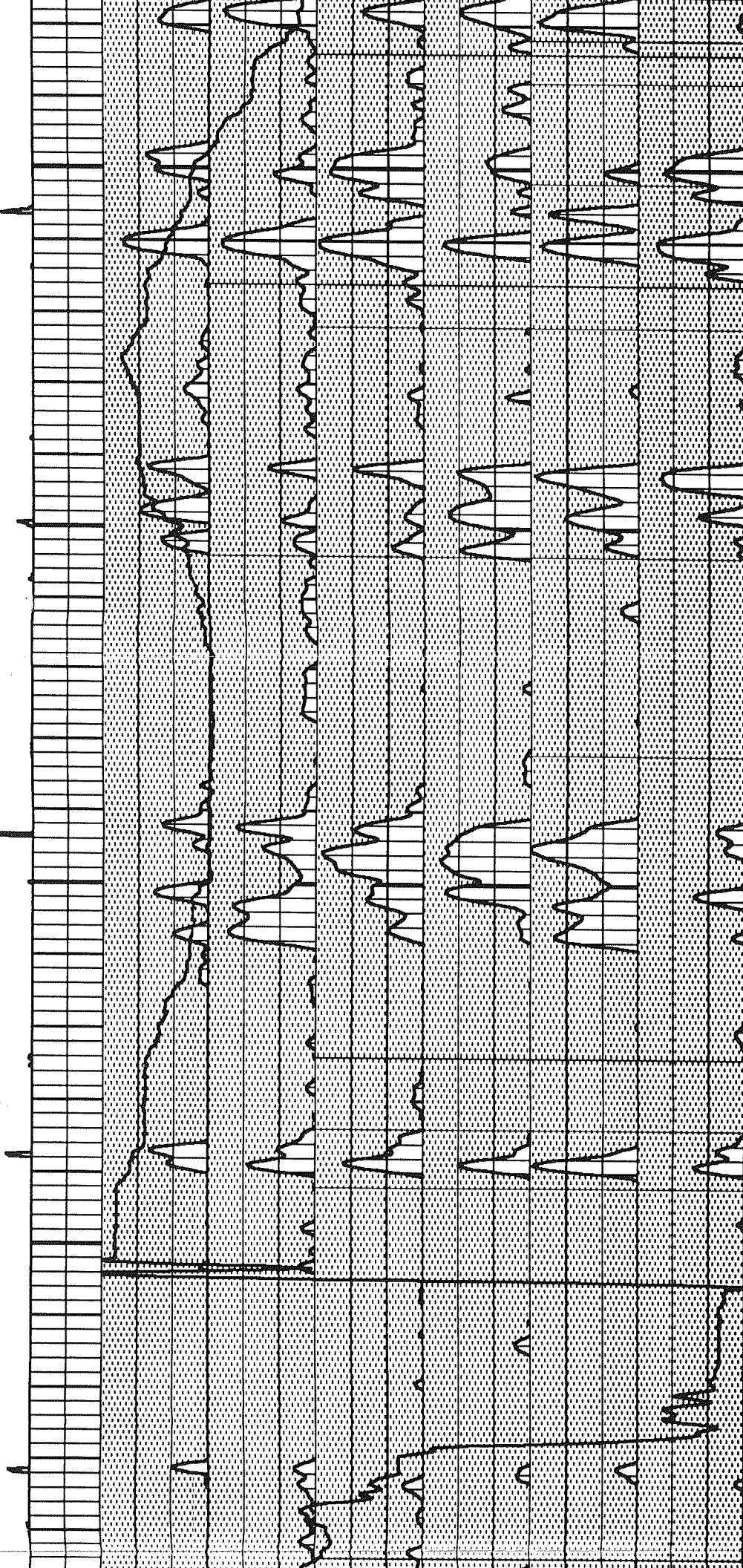
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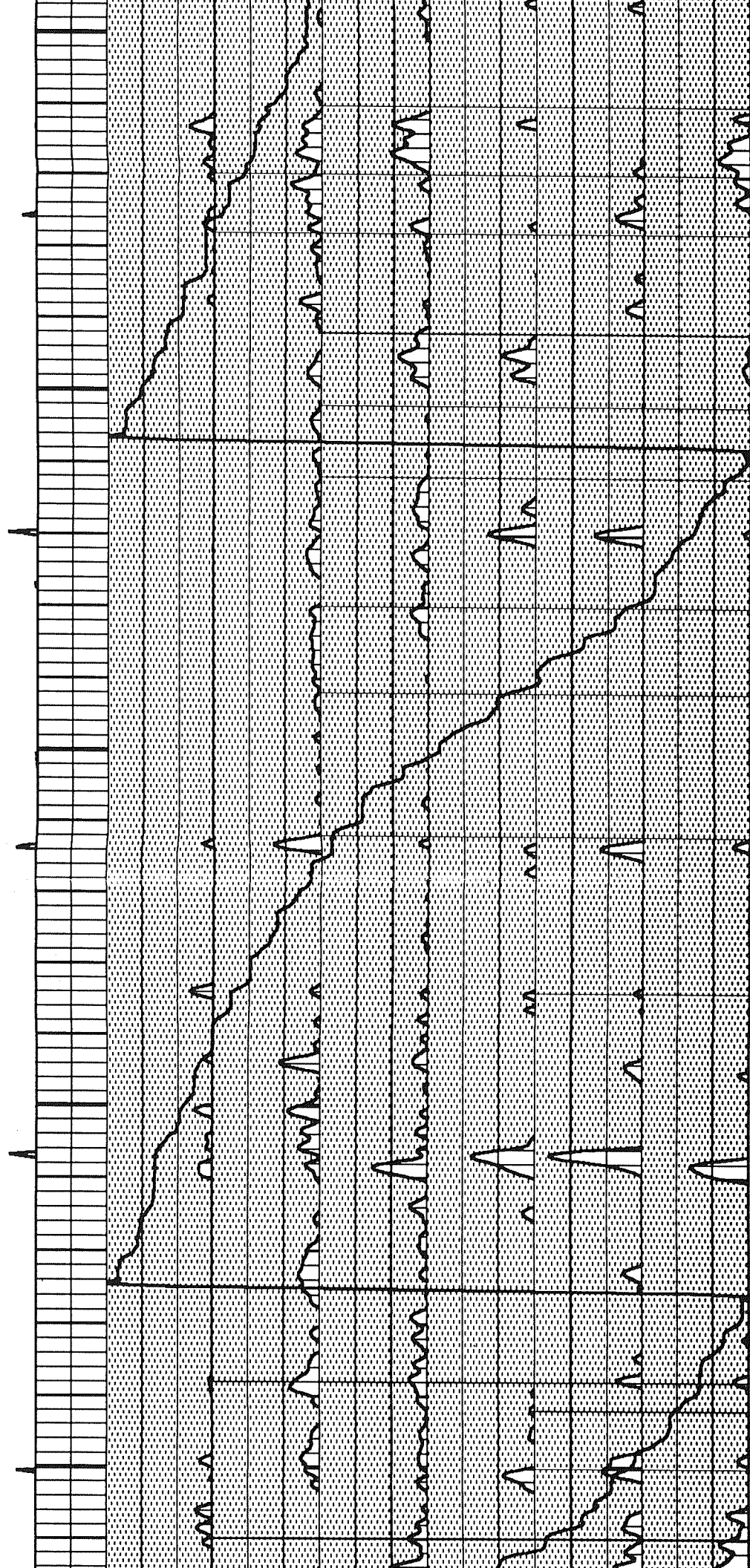
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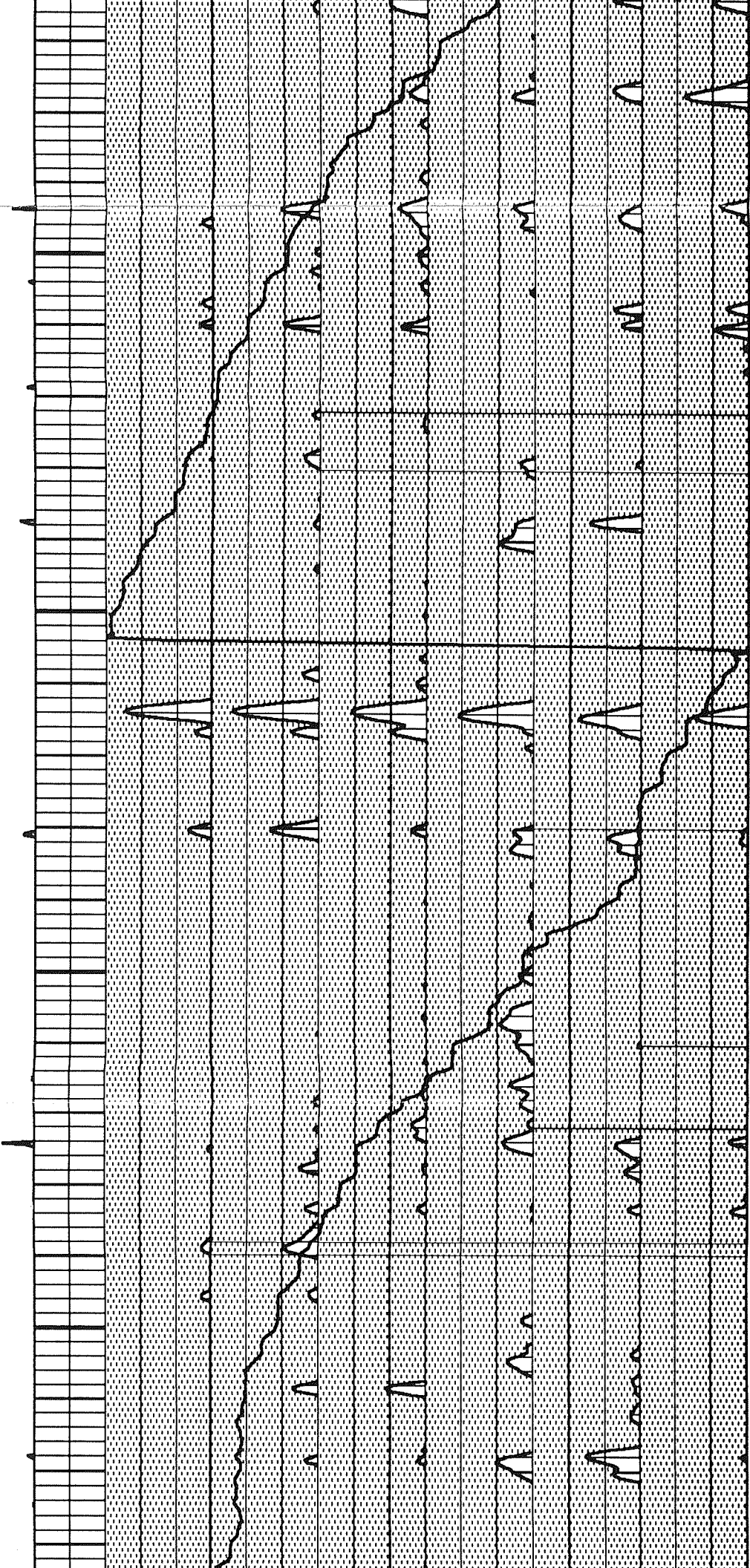
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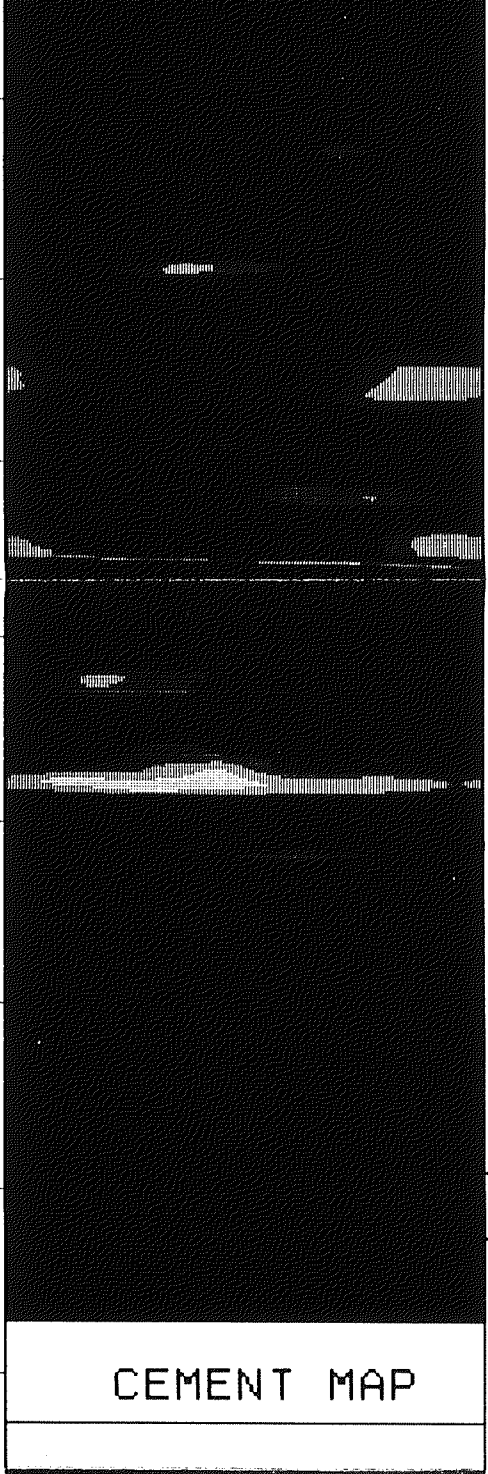
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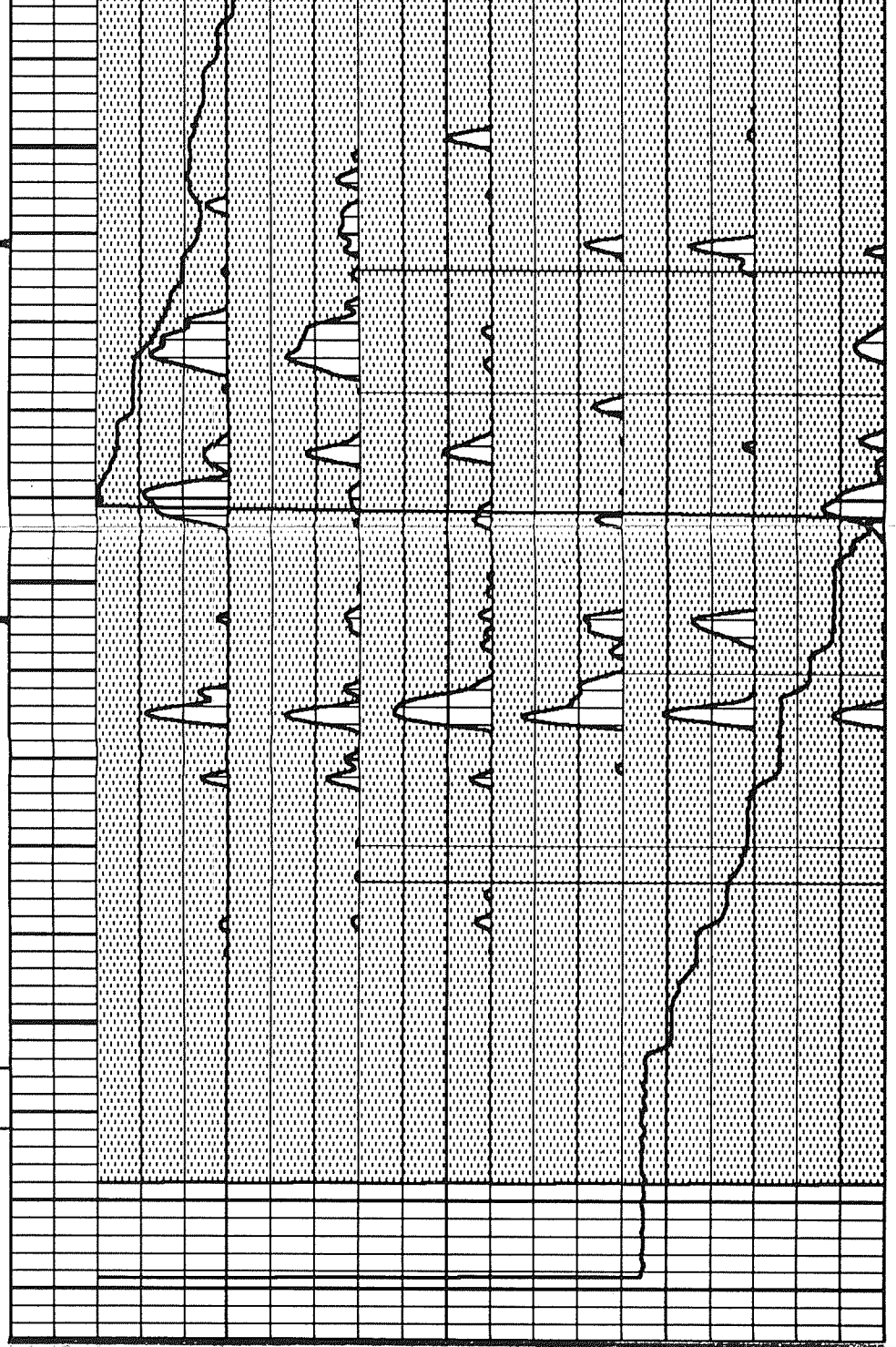
CEMENT MAP

04100

CASING COLLAR

F. R.

T. D.



ATC6 (DB/FT)
0 15

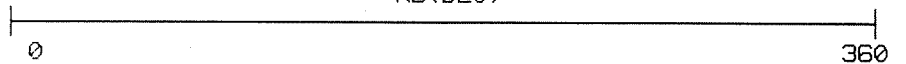
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ATC4 (DB/FT)
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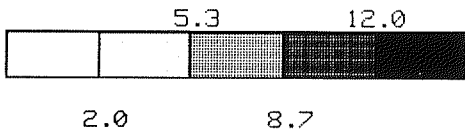
ATC3 (DB/FT)
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ATC2 (DB/FT)
0 15

ATC1 (DB/FT)



CCL
1030



□
□

FILE: 3

MAIN LOG VARIABLE DENSITY

FILE: 3

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
GR	29,0	FT, IN
CCL	36,0	FT, IN
RB	0	FT, IN
DEV	0	FT, IN
AAT1	10,6	FT, IN
AAT2	10,6	FT, IN
AAT3	10,6	FT, IN
AAT4	10,6	FT, IN
AAT5	10,6	FT, IN
AAT6	10,6	FT, IN

PARAMETERS

<u>NAME</u>	<u>DEPTH INTERVAL</u>	<u>VALUE</u>	<u>UNITS</u>
AFREE	4186 TO 1653	78.731	
CEM MAP RB	4186 TO 1653	CORR ON	
CEMENT STR	4186 TO 1653	2000.000	PSI
DBSPRD	4186 TO 1653	4.500	DB/FT
PIPE OD	4186 TO 1653	5.500	INCH
REC SPACE	4186 TO 1653	0.642	FT

*** NONE ***

COMPANY: OXY USA, INC.

RUN: 1

WELL NAME: TANNER F. NO. 1

TRIP: 1

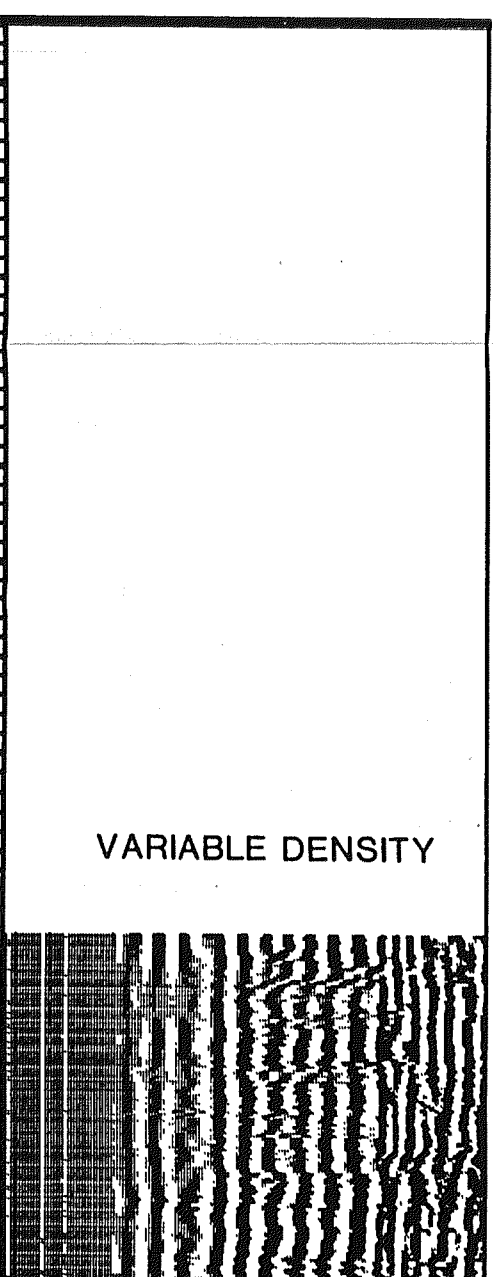
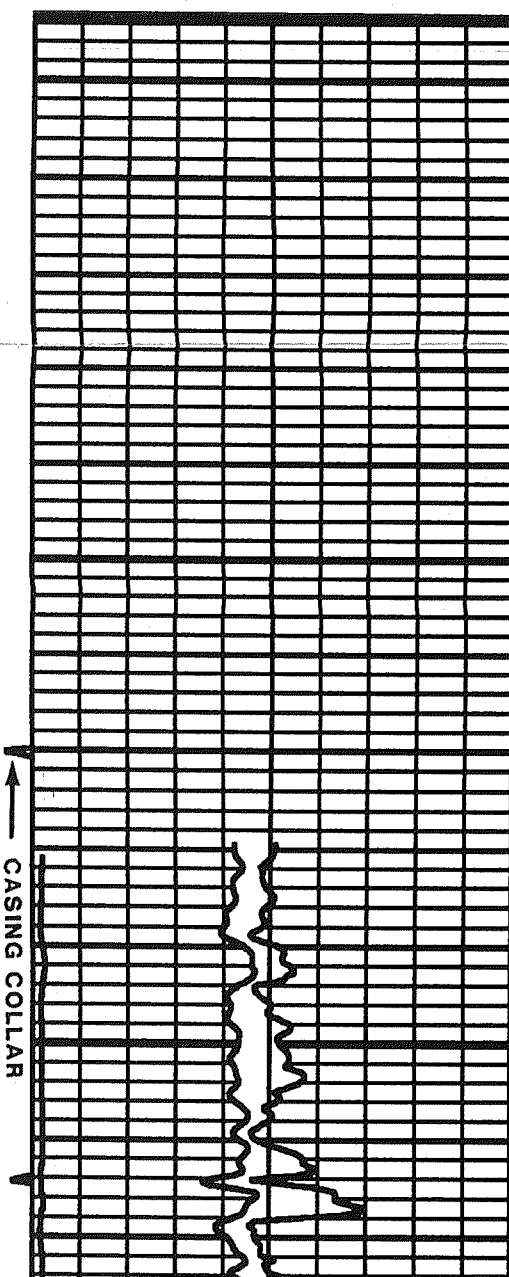
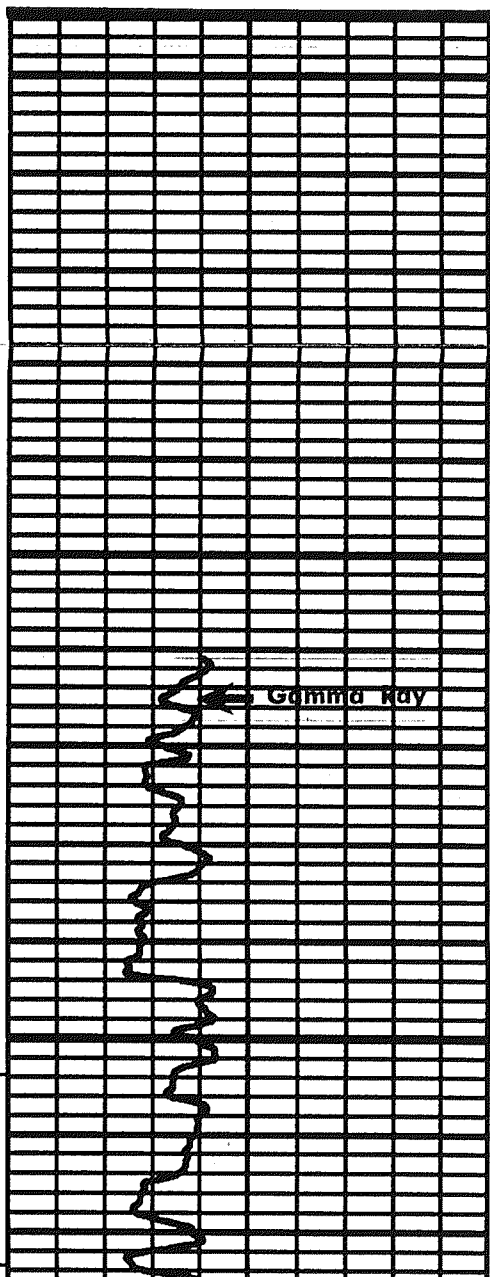
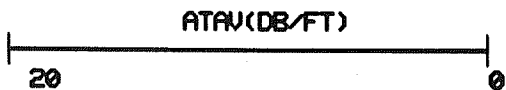
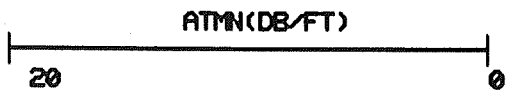
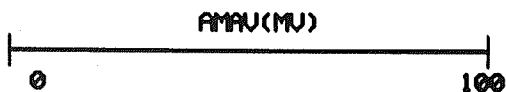
SERVICE: XSBTE1 FILE: 3

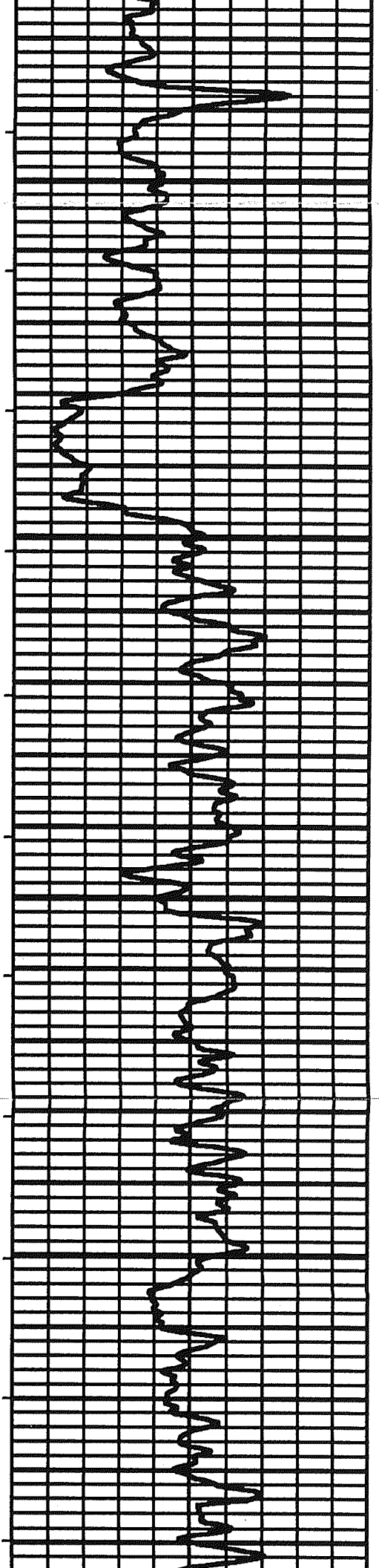
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TIME: 10:47:13

REVISION: FSYS256 REV:0002 VER:5.1

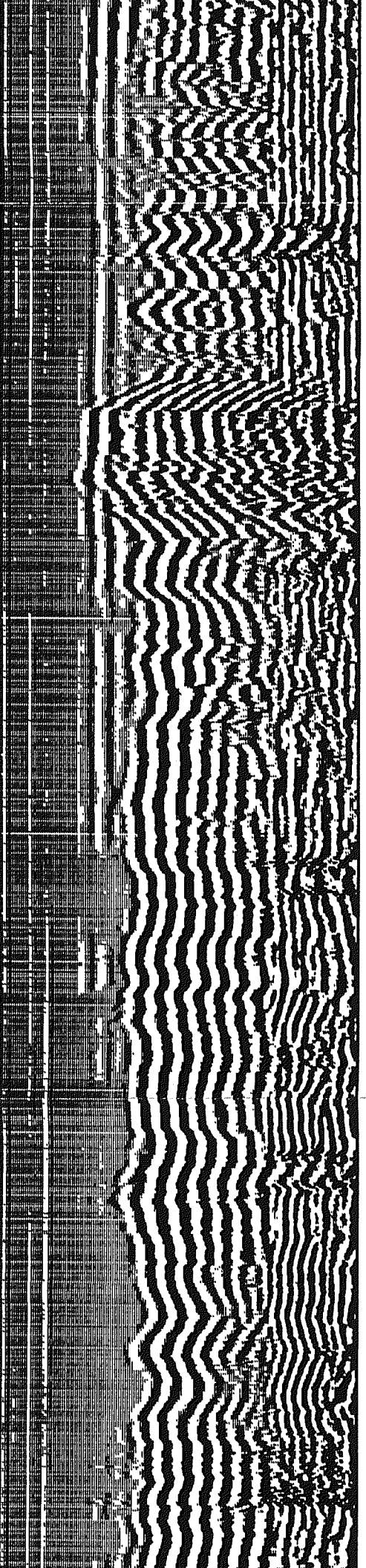
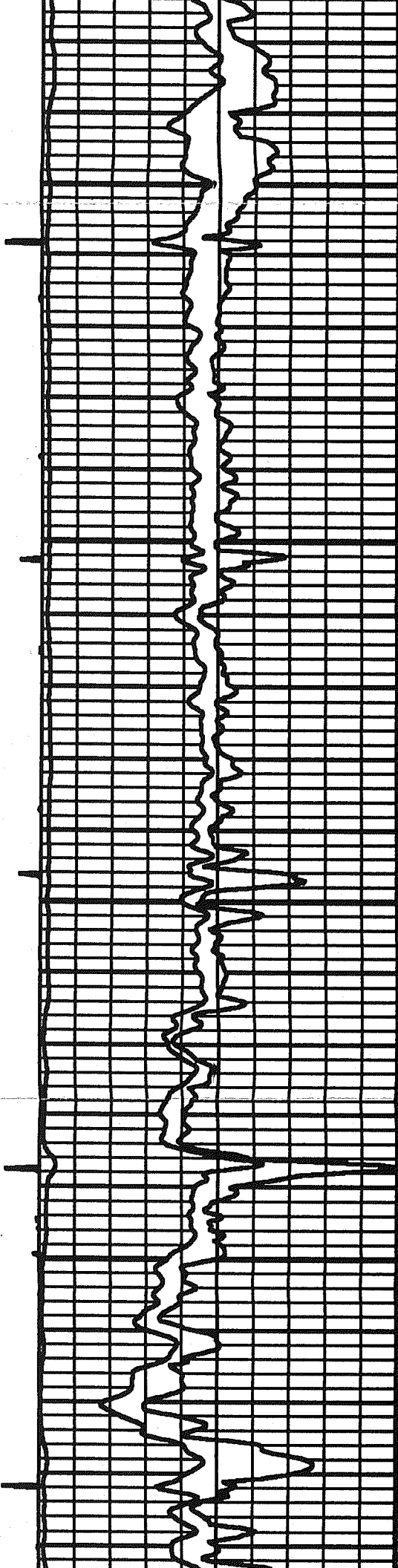
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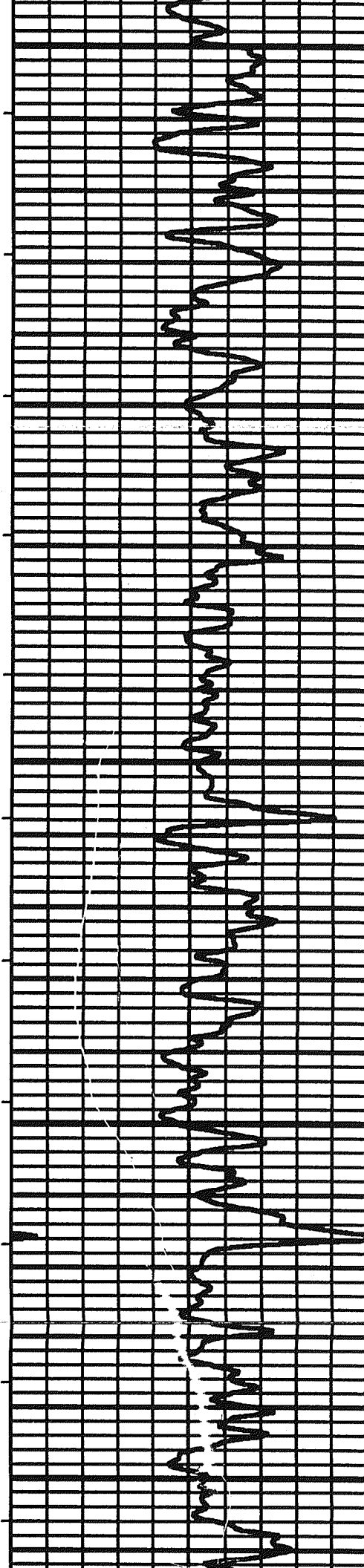




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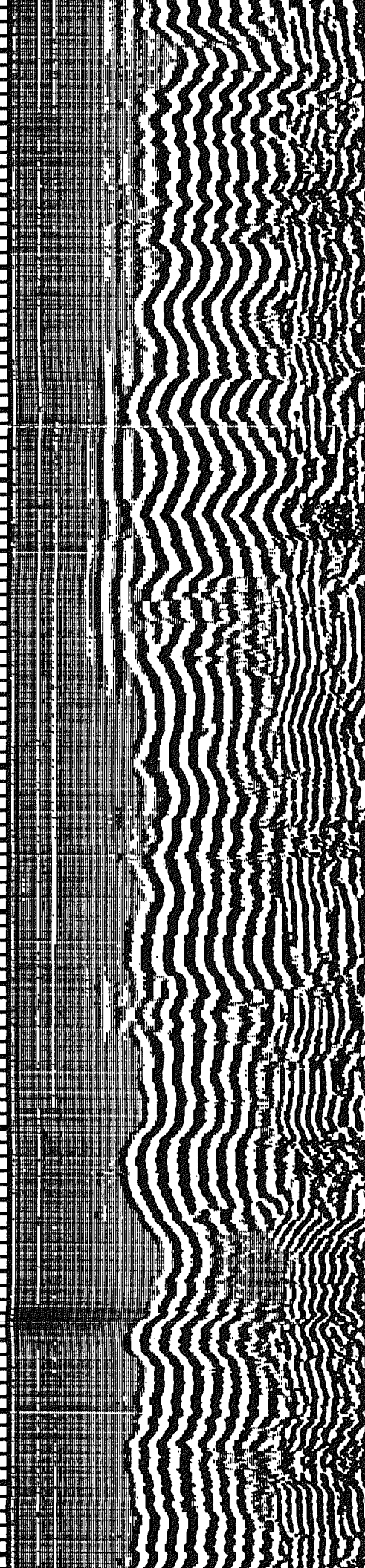
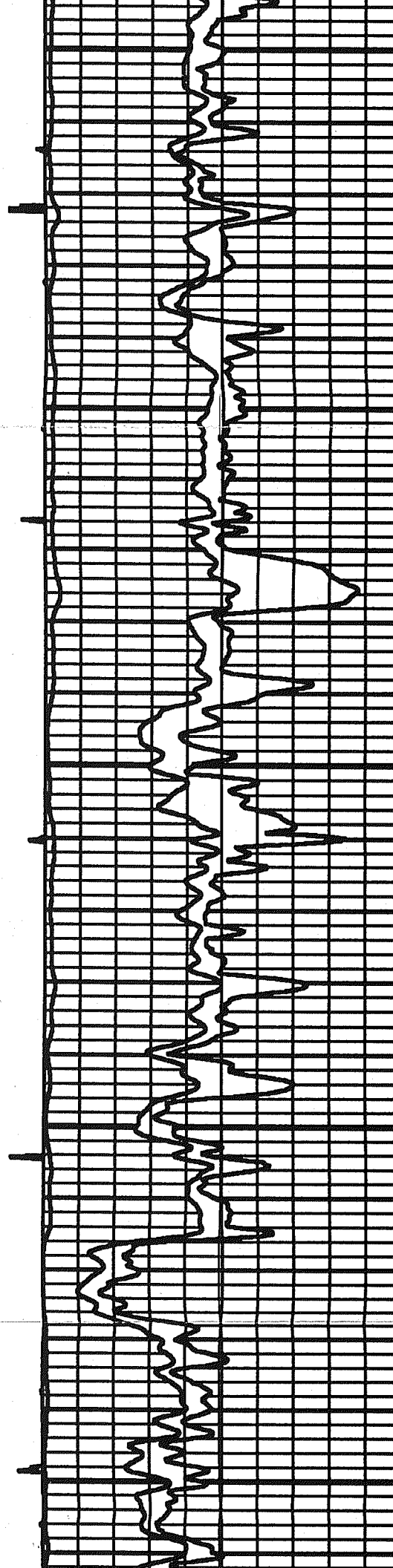
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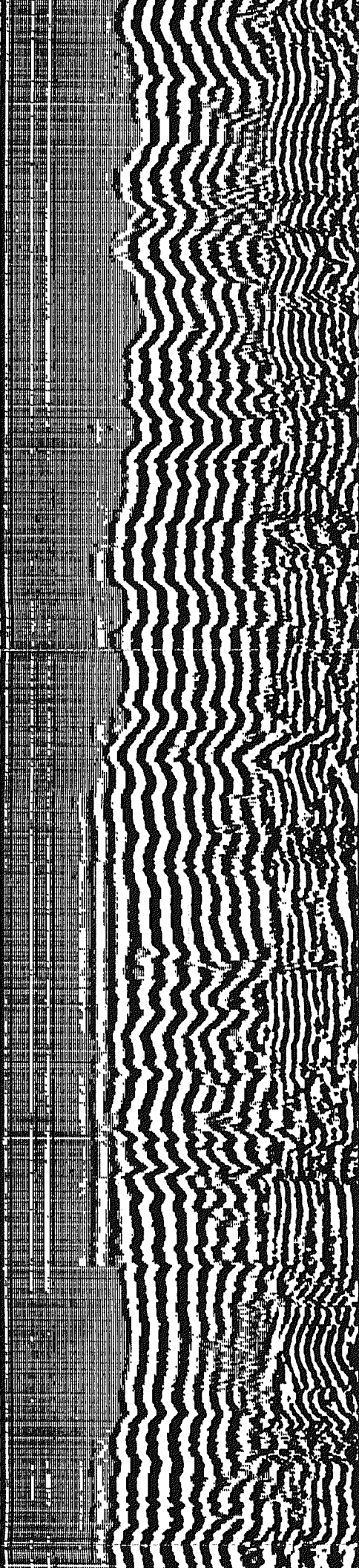
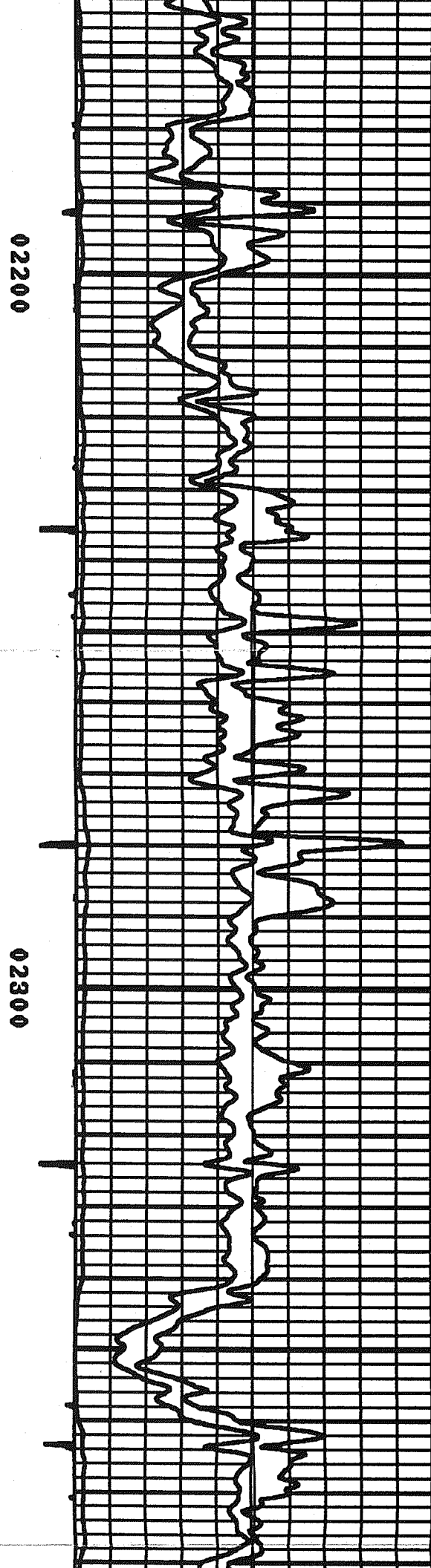
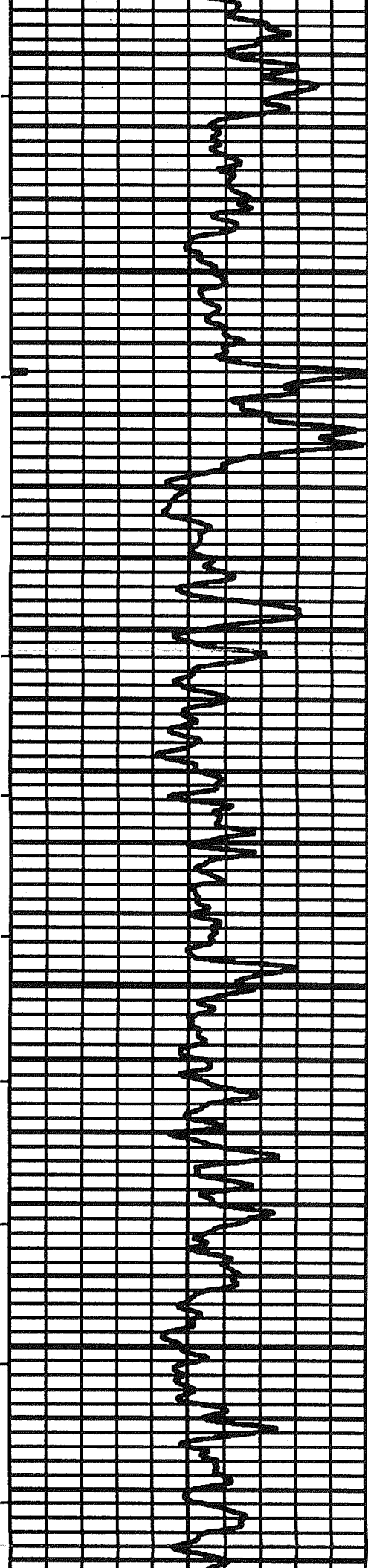


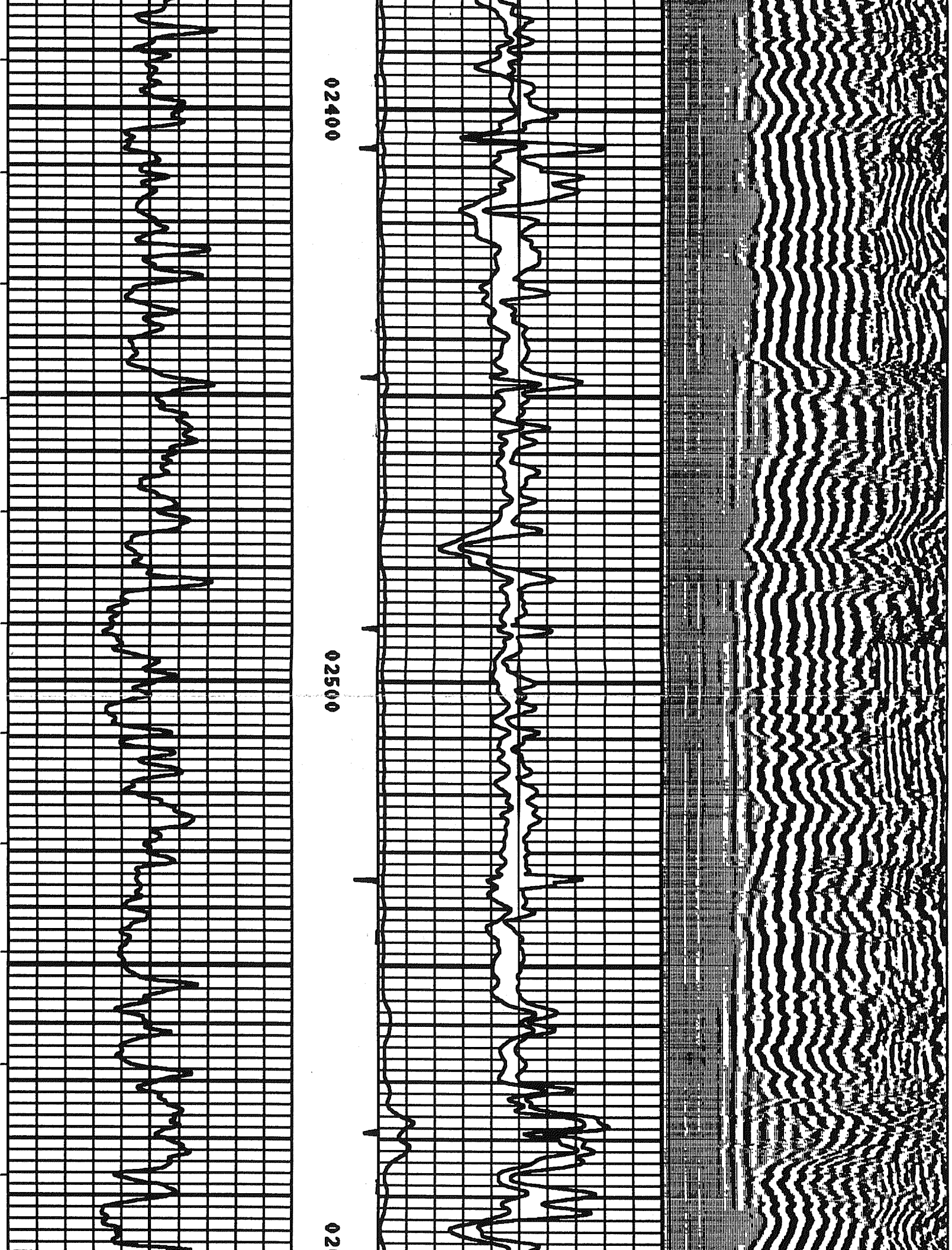


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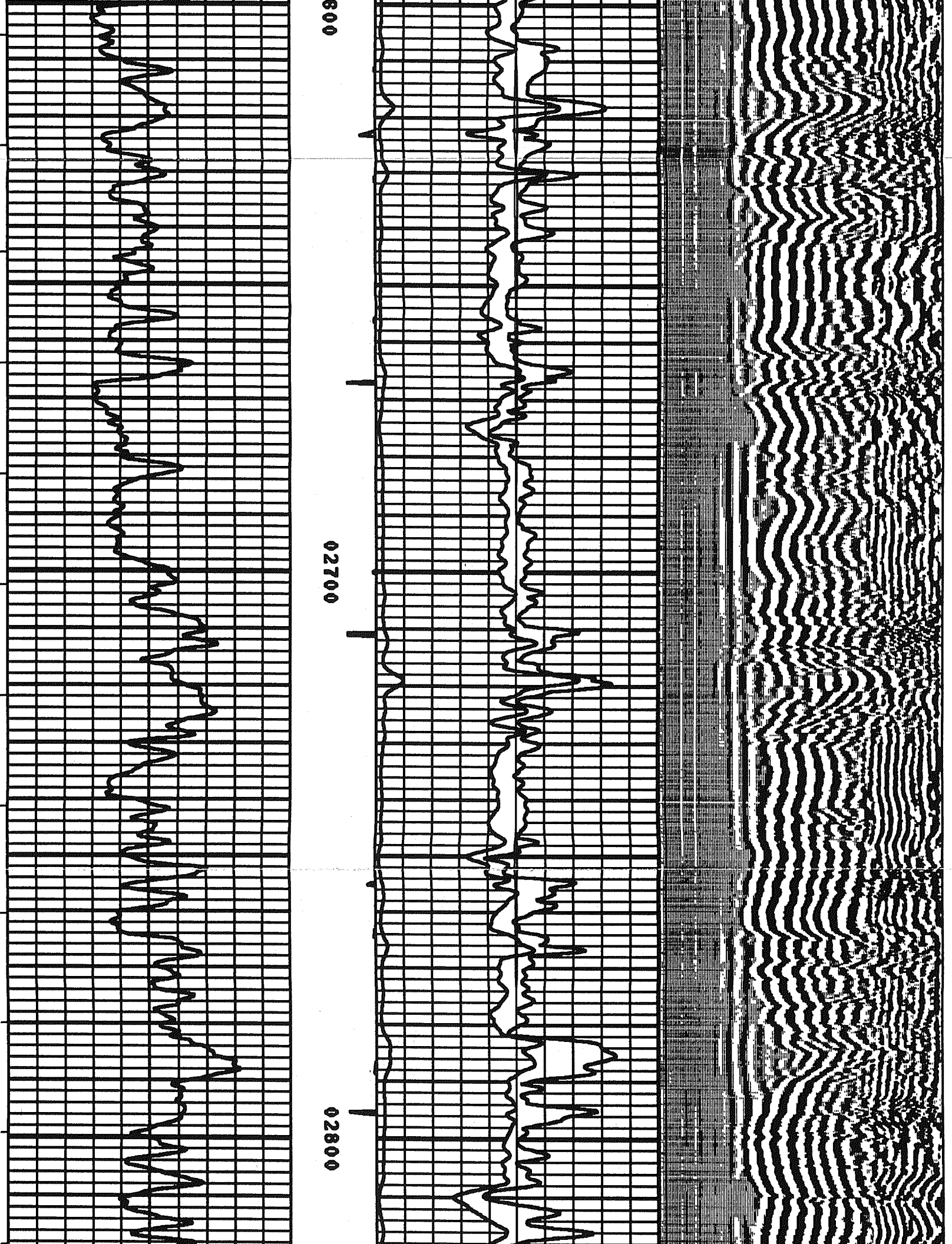
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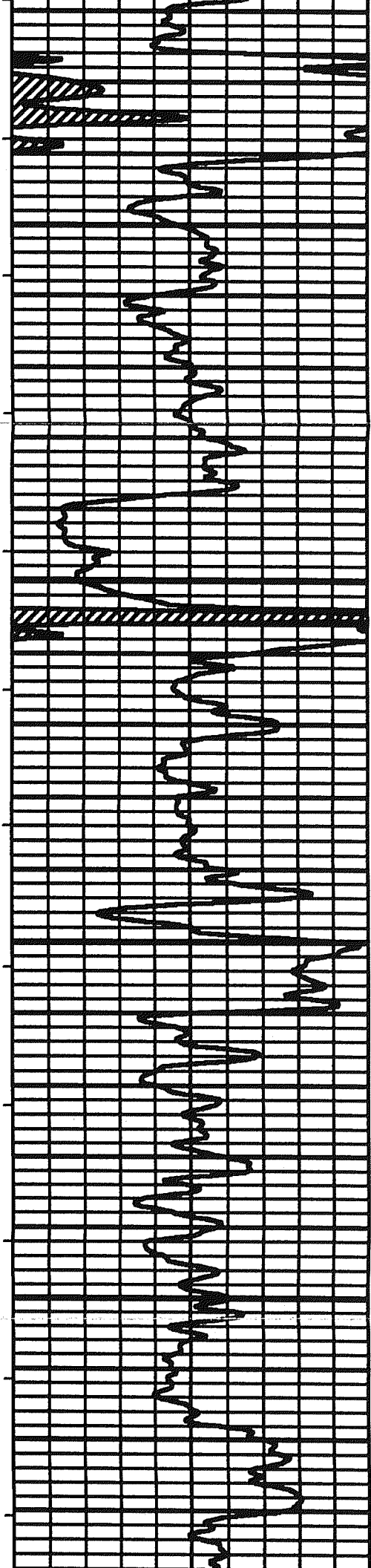
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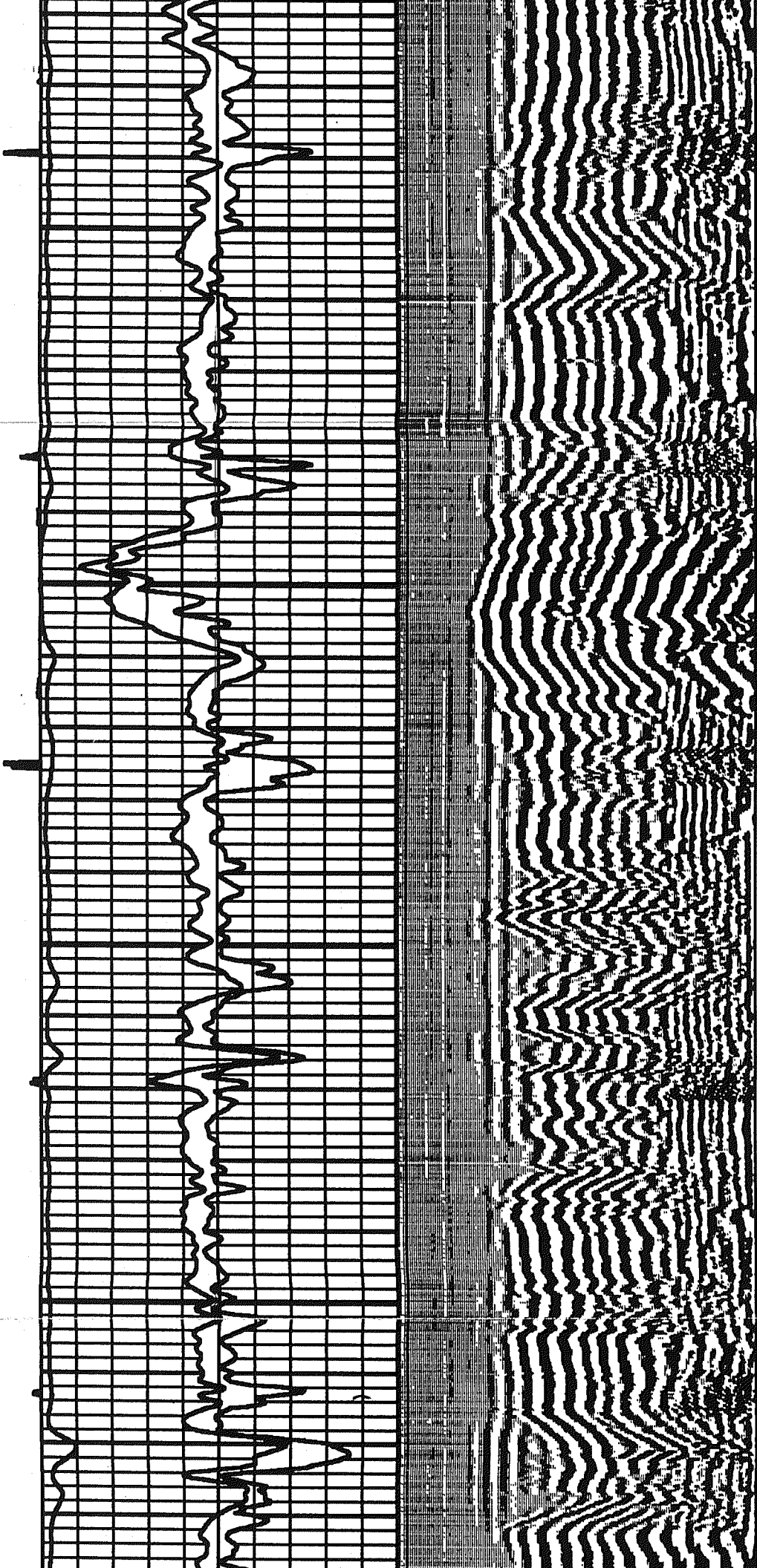
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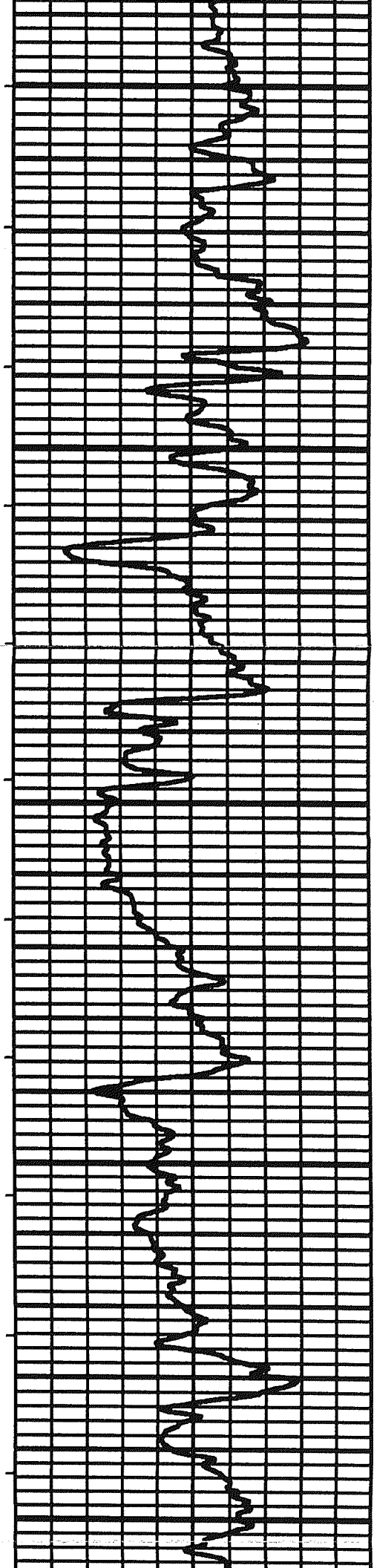




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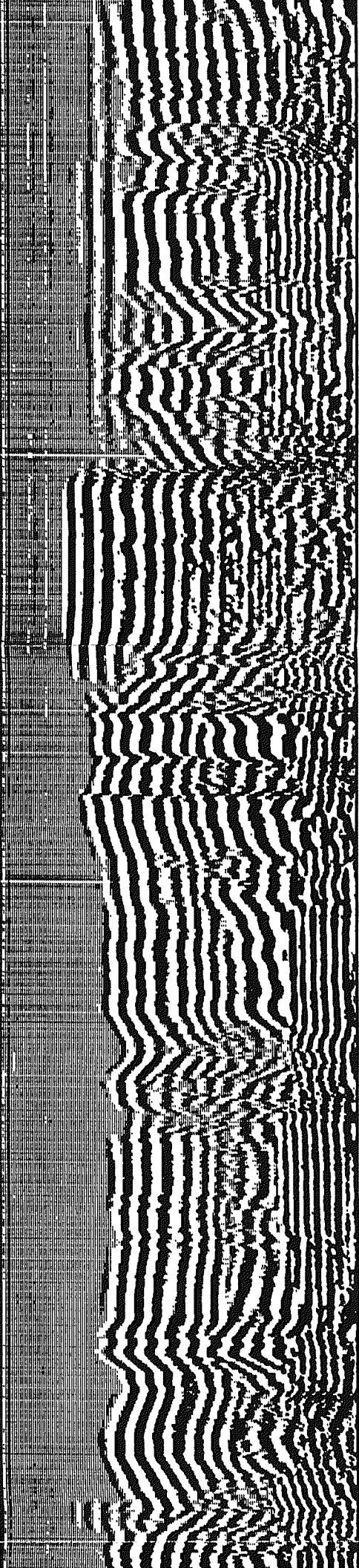
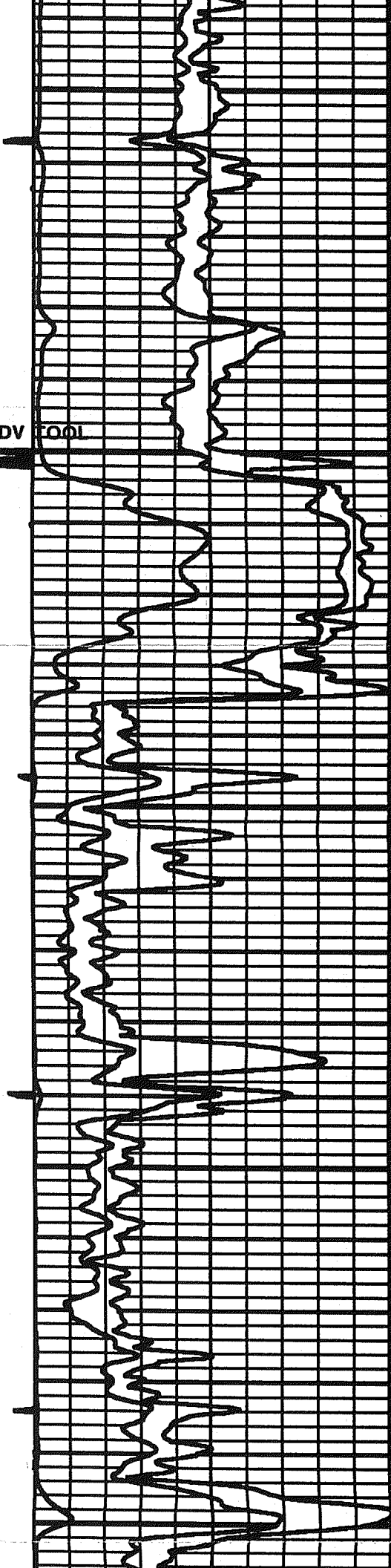




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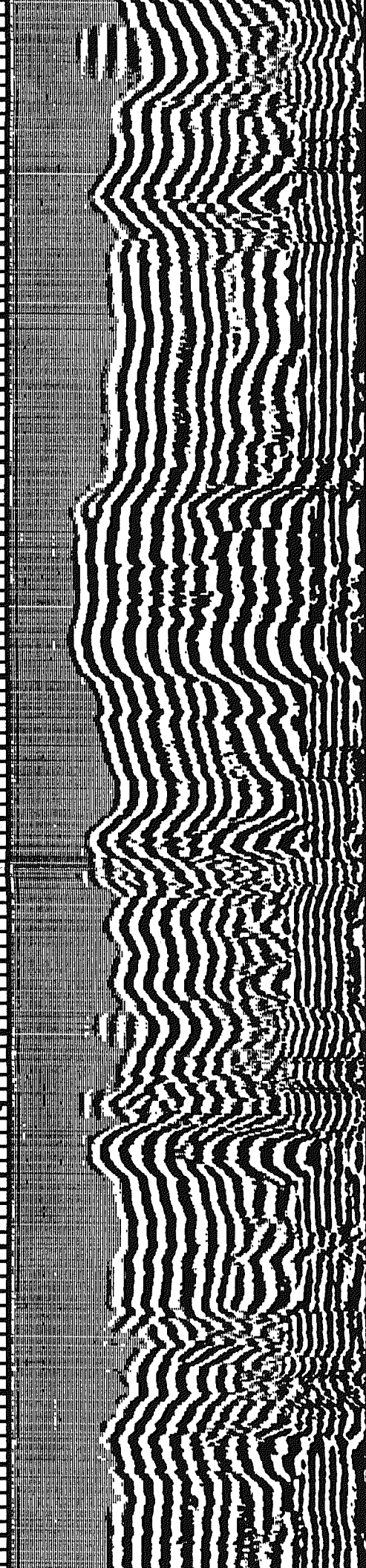
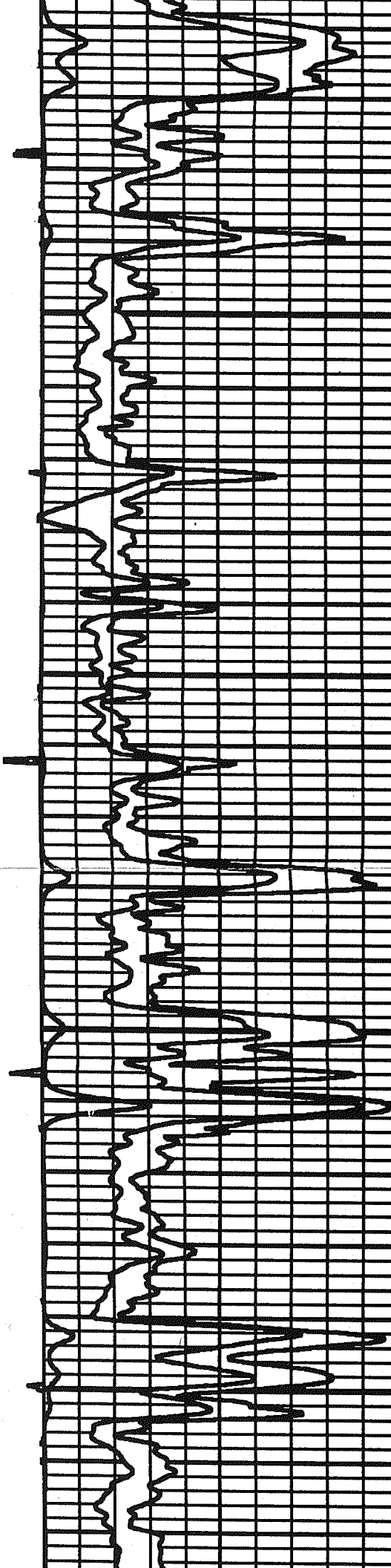
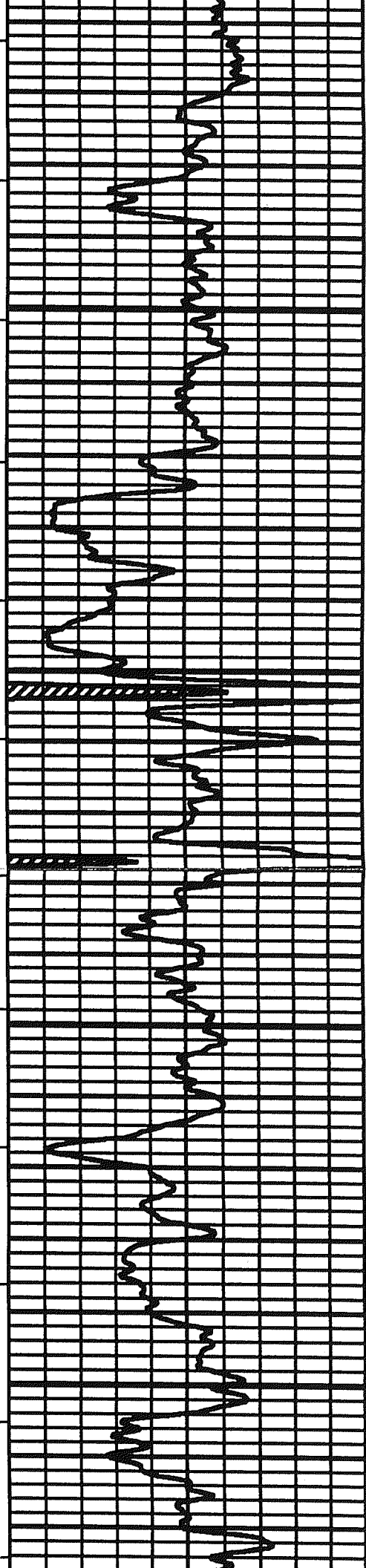
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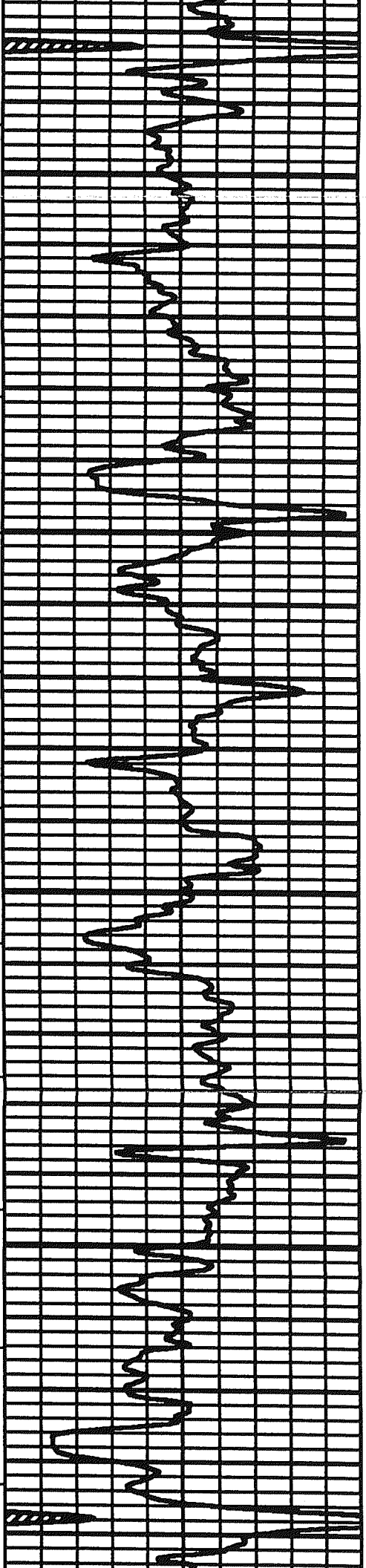
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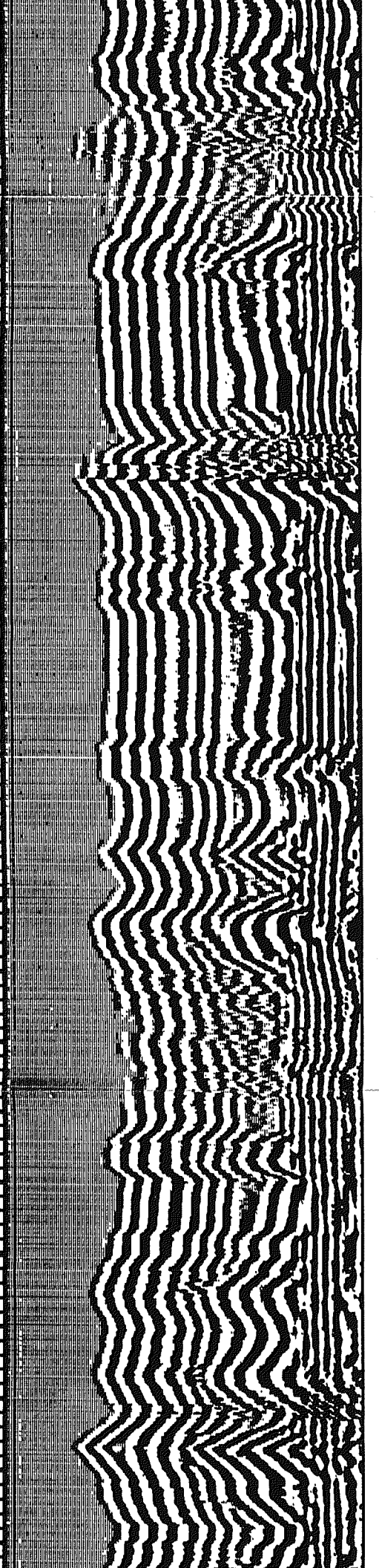
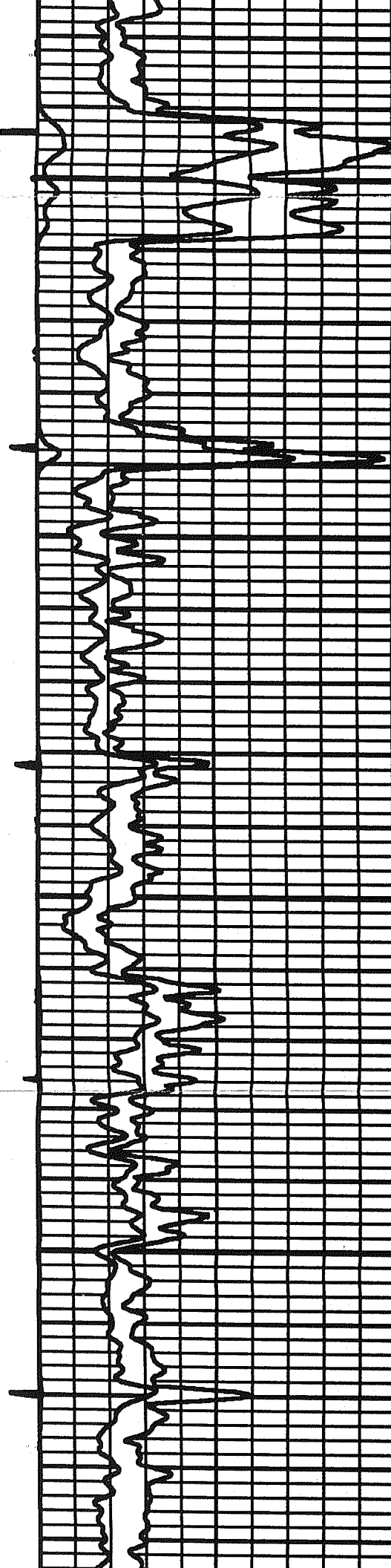
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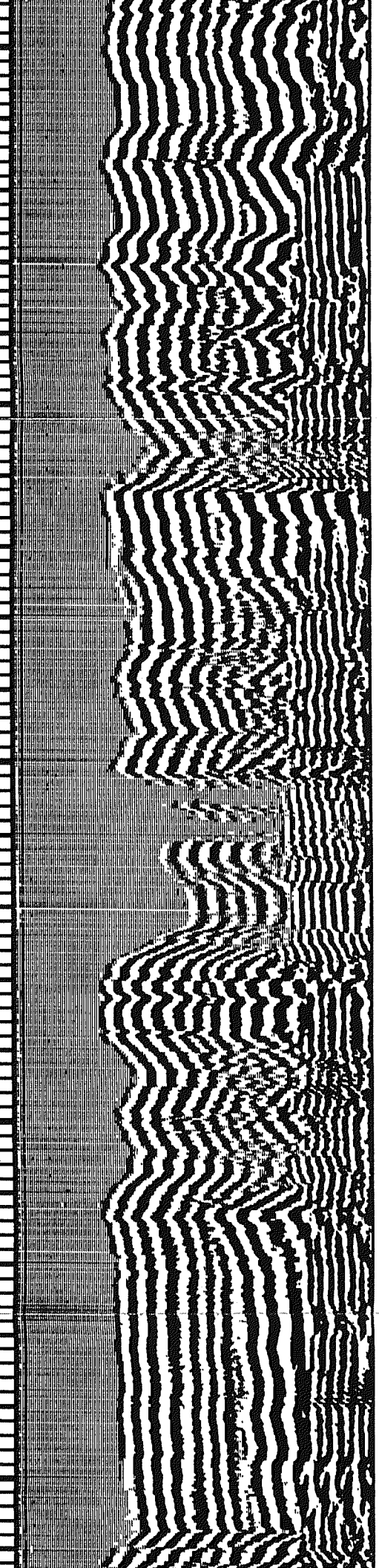
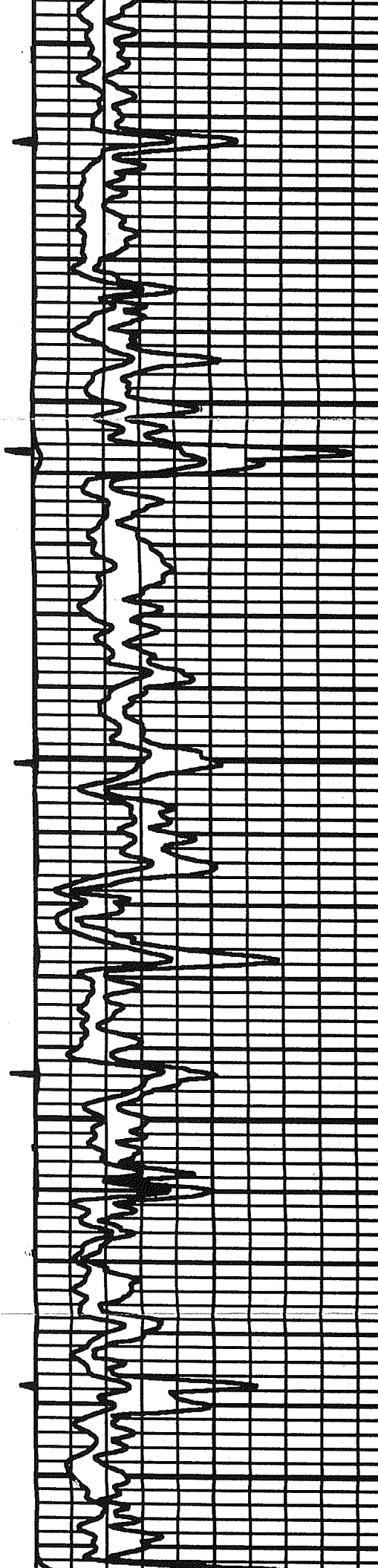
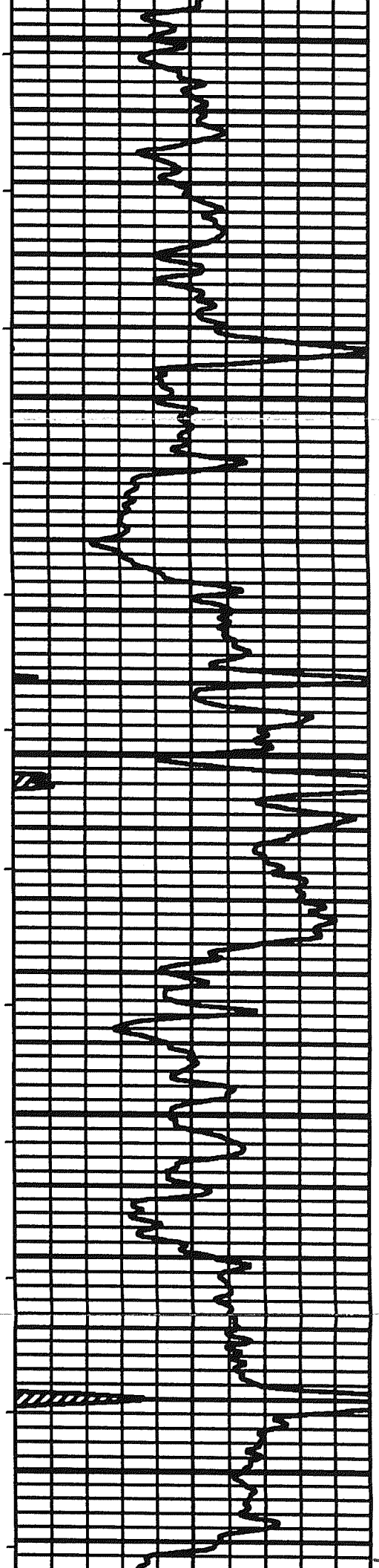
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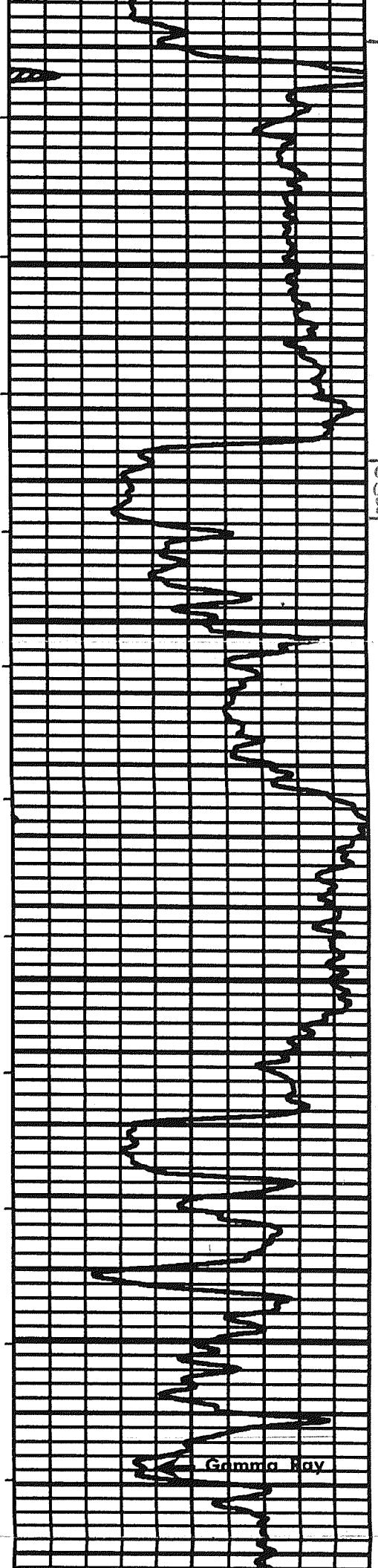


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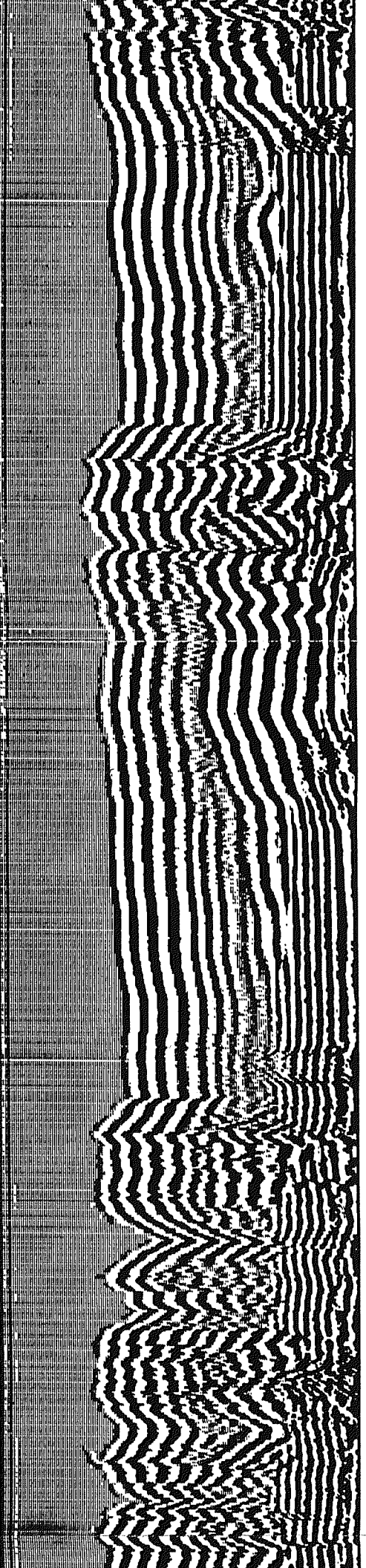
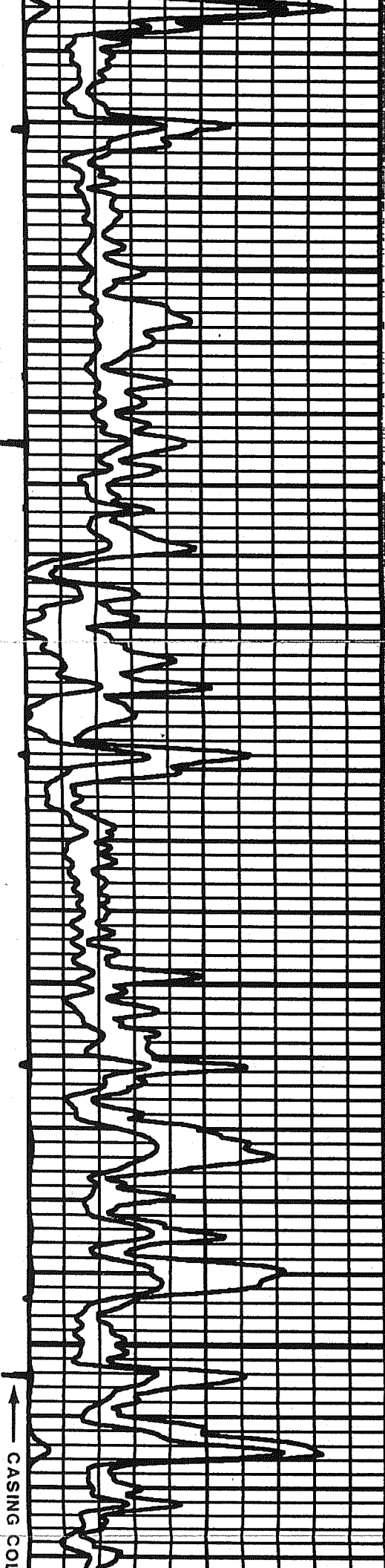
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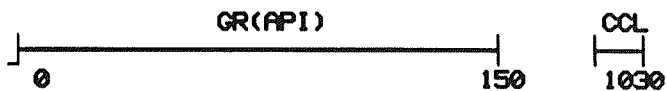
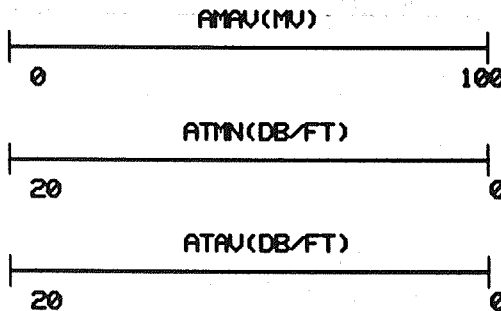
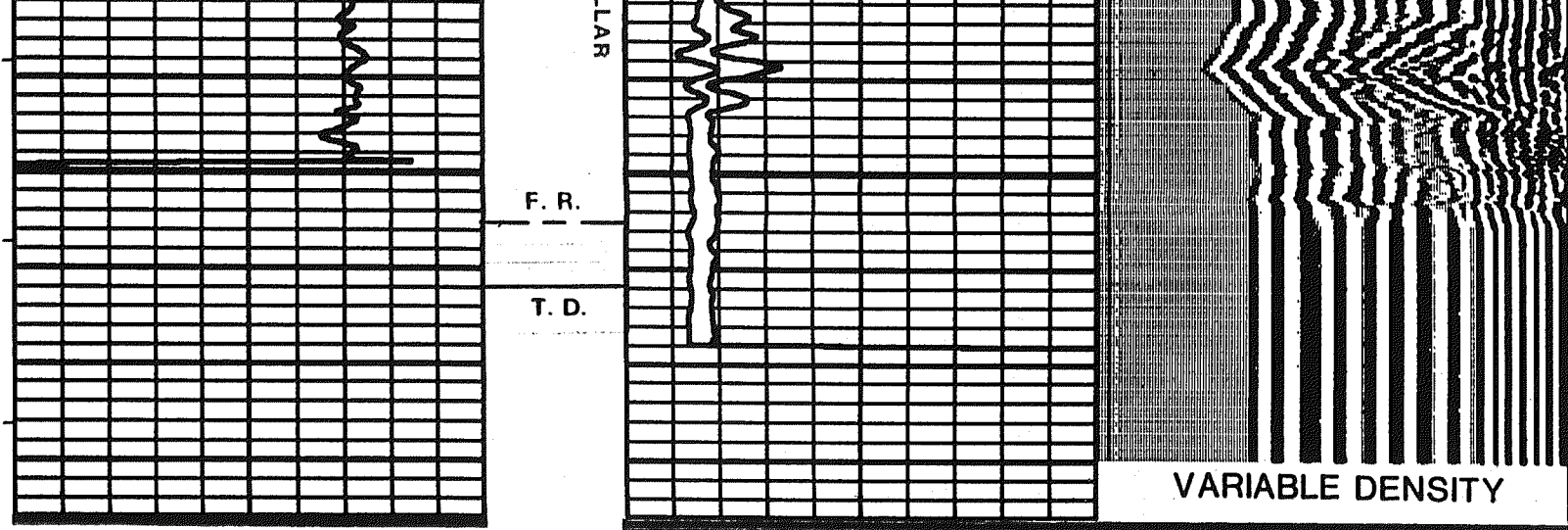
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04100



Gamma Ray

CASING CODE



FILE: 3

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FILE: 2

CURVE DELAY REPORT

<u>CURVE</u>	<u>PHYS. DELAY</u>	<u>UNITS</u>
GR	29,0	FT, IN
CCL	36,0	FT, IN
RB	0	FT, IN
DEV	0	FT, IN
AAT1	10,6	FT, IN
AAT2	10,6	FT, IN
AAT3	10,6	FT, IN
AAT4	10,6	FT, IN
AAT5	10,6	FT, IN
AAT6	10,6	FT, IN

REPEAT SECTION

PARAMETERS

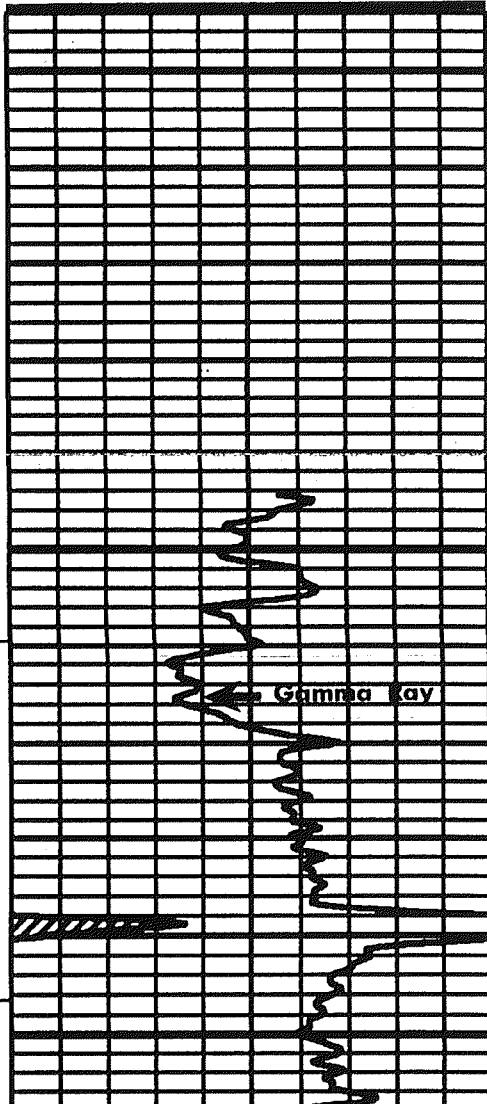
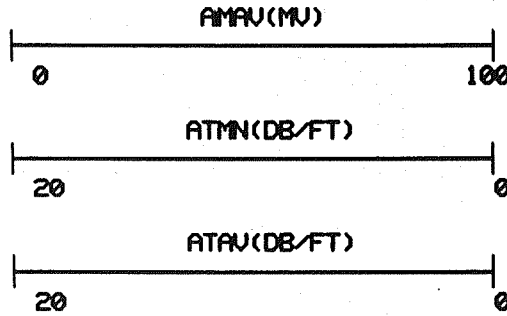
<u>NAME</u>	<u>DEPTH INTERVAL</u>	<u>VALUE</u>	<u>UNITS</u>
AFREE	4183 TO 3836	78.731	
CEM MAP RB	4183 TO 3836	CORR ON	
CEMENT STR	4183 TO 3836	2000.000	PSI
DBSPRD	4183 TO 3836	4.500	DB/FT
PIPE OD	4183 TO 3836	5.500	INCH
REC SPACE	4183 TO 3836	0.642	FT

DISPLAY SCALE CHANGES

*** NONE ***

COMPANY: OXY USA, INC.
WELL NAME: TANNER F. NO. 1
SERVICE: XSBTE1 FILE: 2
REVISION: FSYS256 REV:G002 VER:5.1

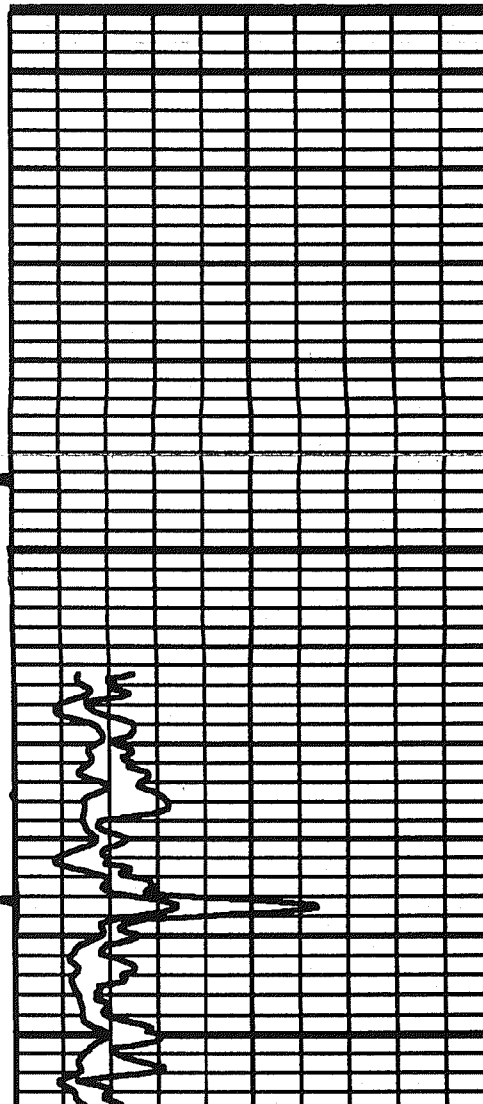
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TRIP: 1
DATE: 07/15/92 TIME: 10:28:11
MODE: RECORD



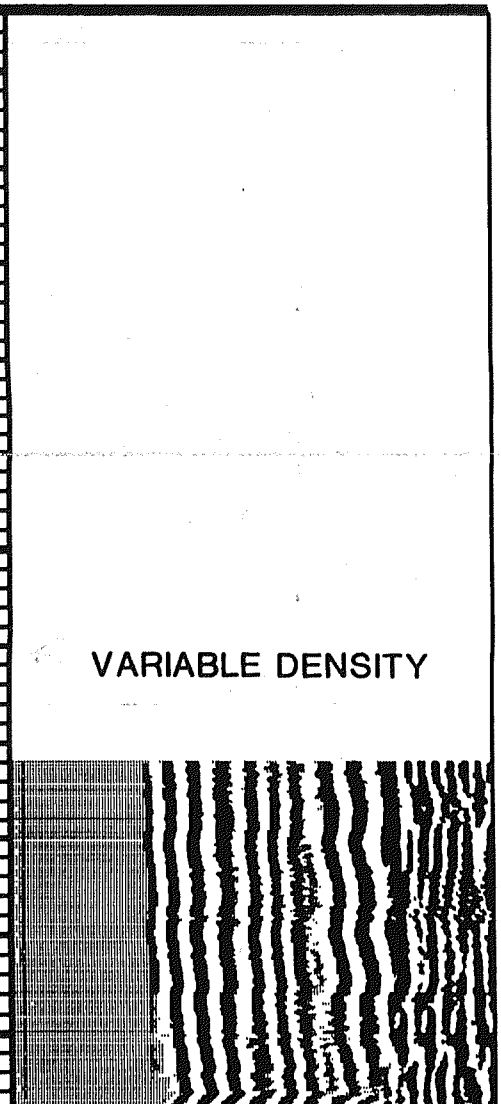
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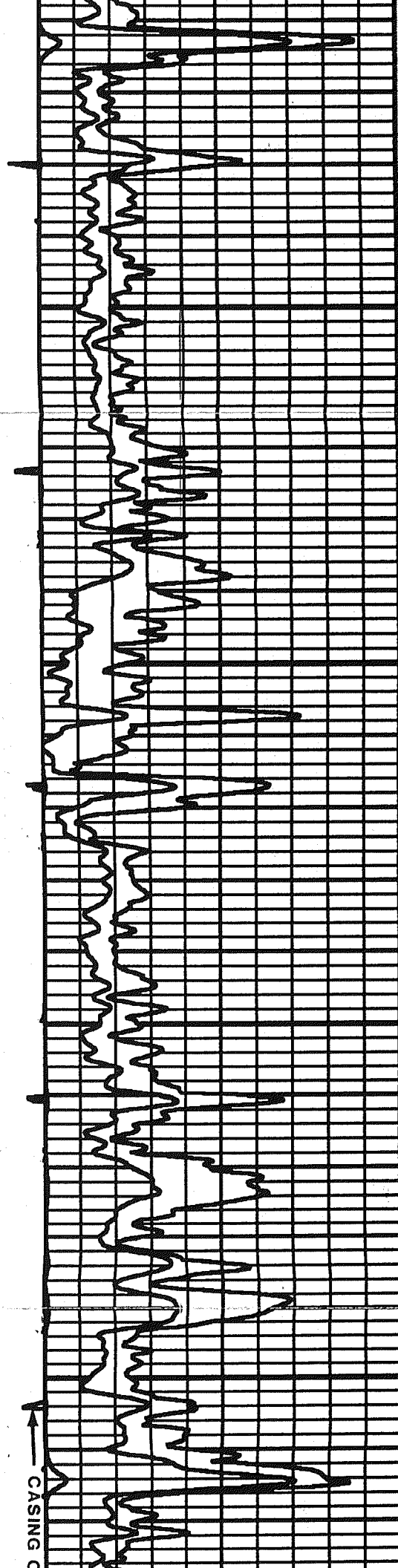
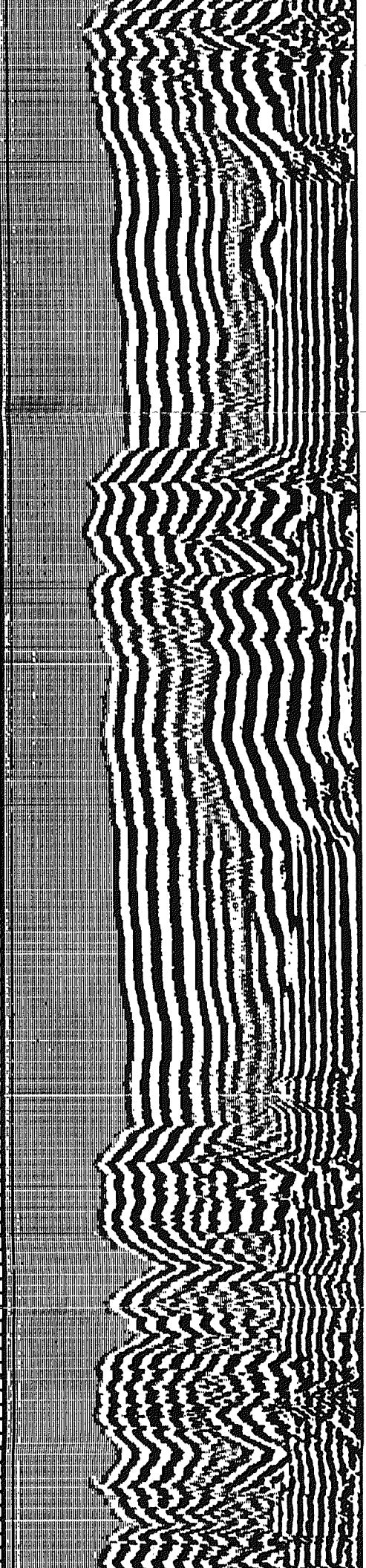
REPEAT SECTION

03900



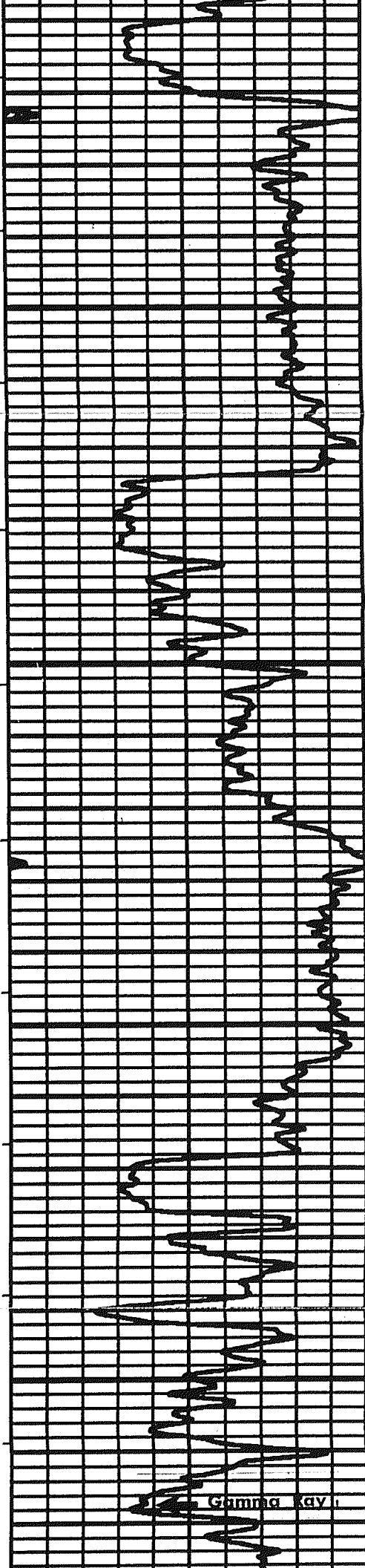
VARIABLE DENSITY

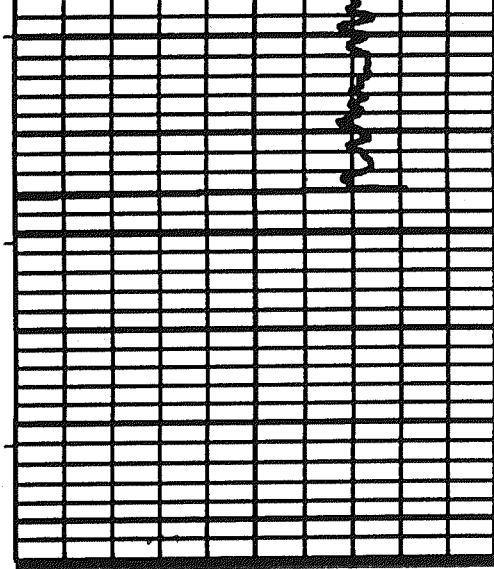




04000 REPEAT SECTION

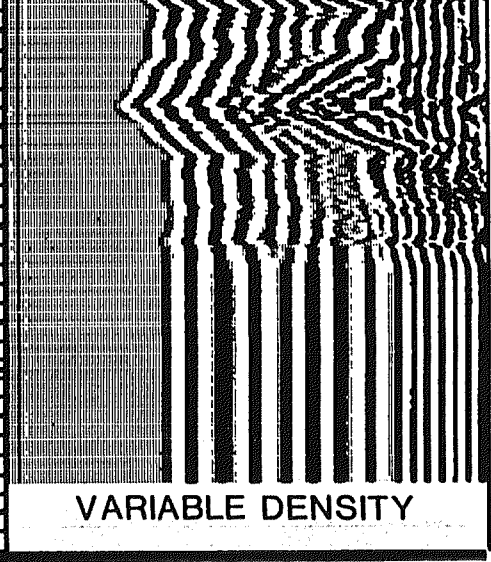
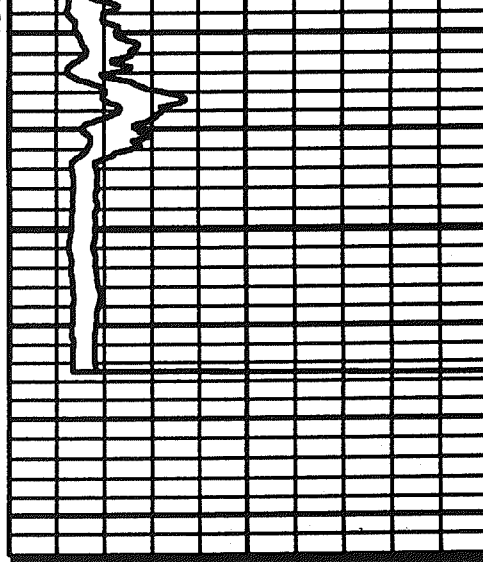
04100 REPE





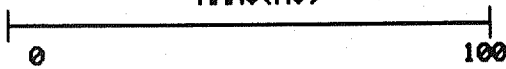
FLAT SECTION

COLLAR

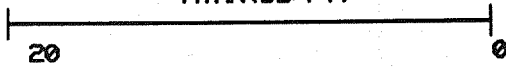


VARIABLE DENSITY

AMAU(MV)



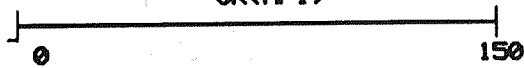
ATMN(DB/FT)



ATAU(DB/FT)



GR(API)



CCL



FILE: 2

