

10	FLOW DN	4	4	5	20.00	0.00	0.0033	0	4.30	0.70	1.52
11	DIFF TEMP	2	0	8	-1.00	1.00	0.006699	0	4.00	2.00	1.52
12	DIFF PRES	4	1	0	-1000.00	1000.00	6.895	0	4.00	2.00	2.00
13	ELAPSED	1	1	0	0.00	60.00	1	0	0.00	2.00	1.00

TOOL STRING CONFIGURATION

Scale Ratio	Total Length	Max Diameter	Depth Offset From
X 1:20.0	3.67 m	34.93 mm	CCL
Y 1:20.0			

TELEMETRY

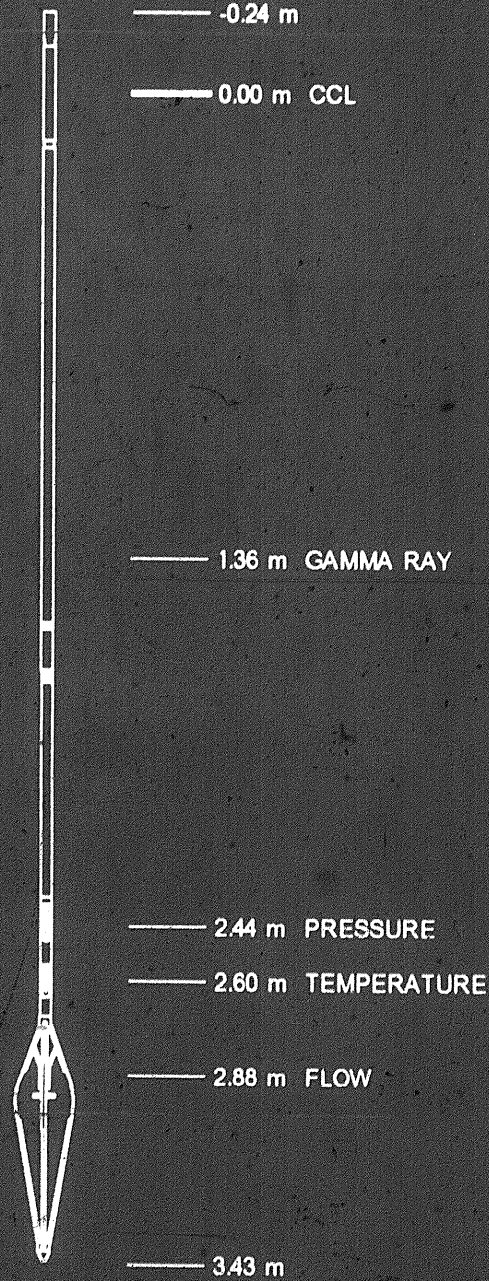
Length: 1.93 m Max Diameter: 34.93 mm

PTF

Length: 1.02 m Max Diameter: 34.93 mm

7" FULL BORE SPINNER

Length: 0.72 m Max Diameter: 34.93 mm



File	Interval(m)	Date	Time	Dir	Spd(m)	Status	Oil M3/Day	Water M3/Day	Gas E3M3/Day
P5	3440.4-3703.8	1998-07-29	15:36	DOWN	19.5		0.0	0.0	0.0
P6	3705.5-3487.6	1998-07-29	15:49	UP	16.3		0.0	0.0	0.0
P7	3487.6-3594.7	1998-07-29	16:04	DOWN	10.7		0.0	0.0	0.0
P8	3600.7-3527.8	1998-07-29	16:08	UP	14.0		0.0	0.0	0.0
START WELL ON PRODUCTION									
T9	3527.8-3527.8	1998-07-29	16:19	TIME ----		FLOWIN	0.0	0.0	560.0
P10	3518.6-3704.5	1998-07-29	16:45	DOWN	17.2	FLOWIN	0.0	0.0	670.0
P11	3706.5-3517.7	1998-07-29	16:56	UP	9.9	FLOWIN	0.0	0.0	670.0
P12	3516.0-3701.6	1998-07-29	17:09	DOWN	17.5	FLOWIN	0.0	0.0	670.0
P13	3703.4-3518.0	1998-07-29	17:20	UP	15.5	FLOWIN	0.0	0.0	670.0
SHUT WELL IN									
T14	3525.0-3525.0	1998-07-29	17:34	TIME ----		SHUTIN	0.0	0.0	0.0

PTF

Length: 1.02 m

Max Diameter: 34.93 mm

7" FULL BORE SPINNER

Length: 0.72 m

Max Diameter: 34.93 mm



2.44 m PRESSURE

2.60 m TEMPERATURE

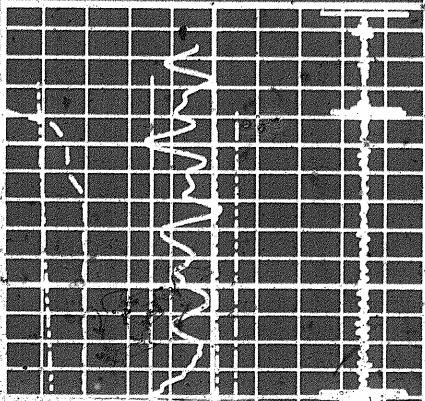
2.88 m FLOW

3.43 m

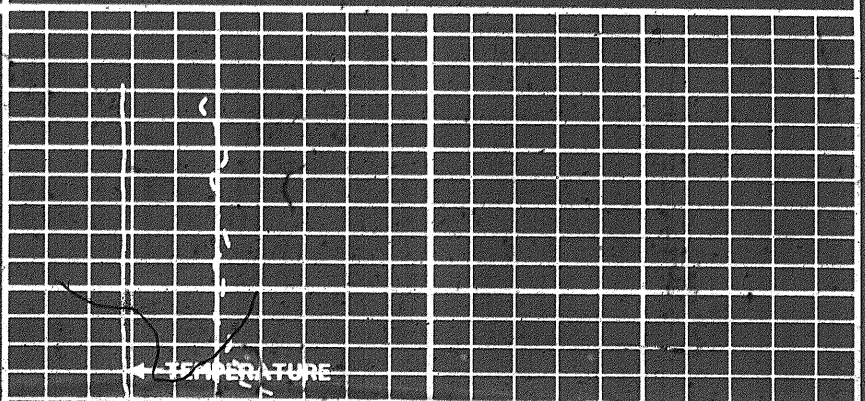
File	Interval(m)	Date	Time	Dir	Spd(m)	Status	Oil M3/Day	Water M3/Day	Gas E3M3/Day
P5	3440.4-3703.8	1998-07-29	15:36	DOWN	19.5		0.0	0.0	0.0
P6	3705.5-3487.6	1998-07-29	15:49	UP	16.3		0.0	0.0	0.0
P7	3487.6-3594.7	1998-07-29	16:04	DOWN	10.7		0.0	0.0	0.0
P8	3600.7-3527.8	1998-07-29	16:08	UP	14.0		0.0	0.0	0.0
START WELL ON PRODUCTION									
T9	3527.8-3527.8	1998-07-29	16:19	TIME ----		FLOWIN	0.0	0.0	560.0
P10	3518.8-3704.5	1998-07-29	16:45	DOWN	17.2	FLOWIN	0.0	0.0	670.0
P11	3706.5-3517.7	1998-07-29	16:56	UP	9.9	FLOWIN	0.0	0.0	670.0
P12	3516.0-3701.6	1998-07-29	17:09	DOWN	17.5	FLOWIN	0.0	0.0	670.0
P13	3703.4-3518.0	1998-07-29	17:20	UP	15.5	FLOWIN	0.0	0.0	670.0
SHUT WELL IN									
T14	3525.0-3525.0	1998-07-29	17:34	TIME ----		SHUTIN	0.0	0.0	0.0

1998-07-29 15:36		
0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESIKPA	40000.00
0.00	PRESIKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 5		

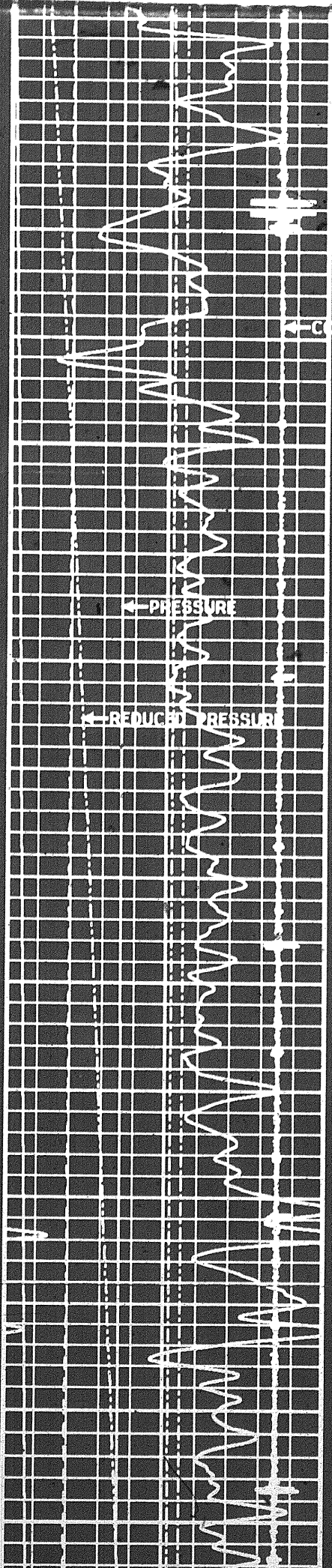
150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	10.00
10.00	FLOW DN	0.00
Logged down File 'P5'		



3450



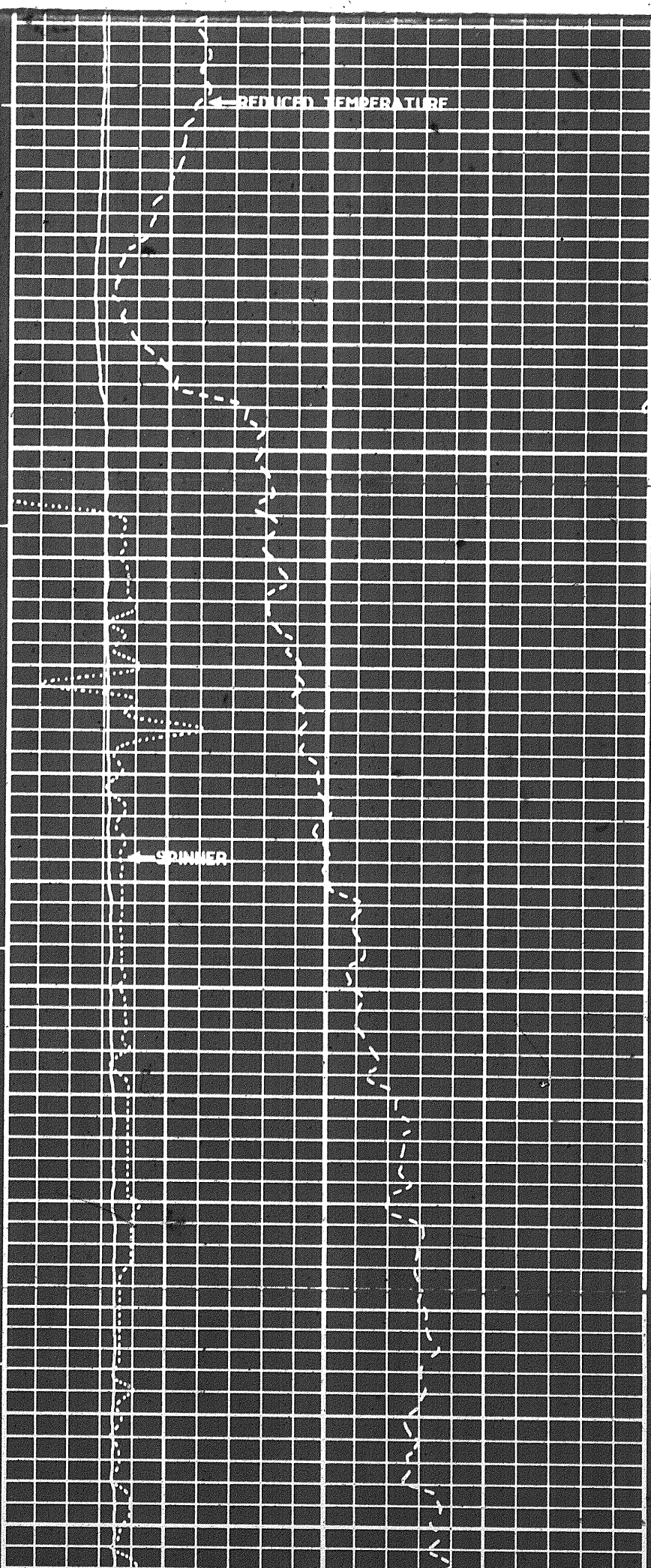
← TEMPERATURE

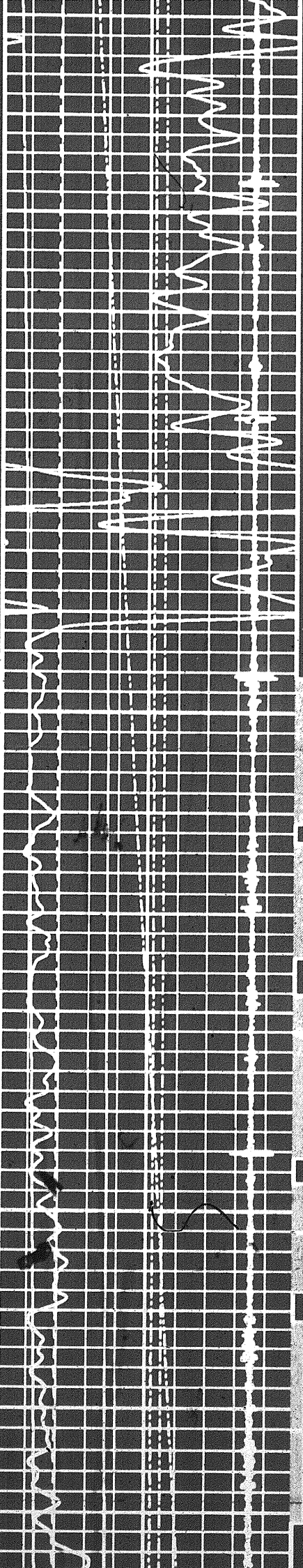


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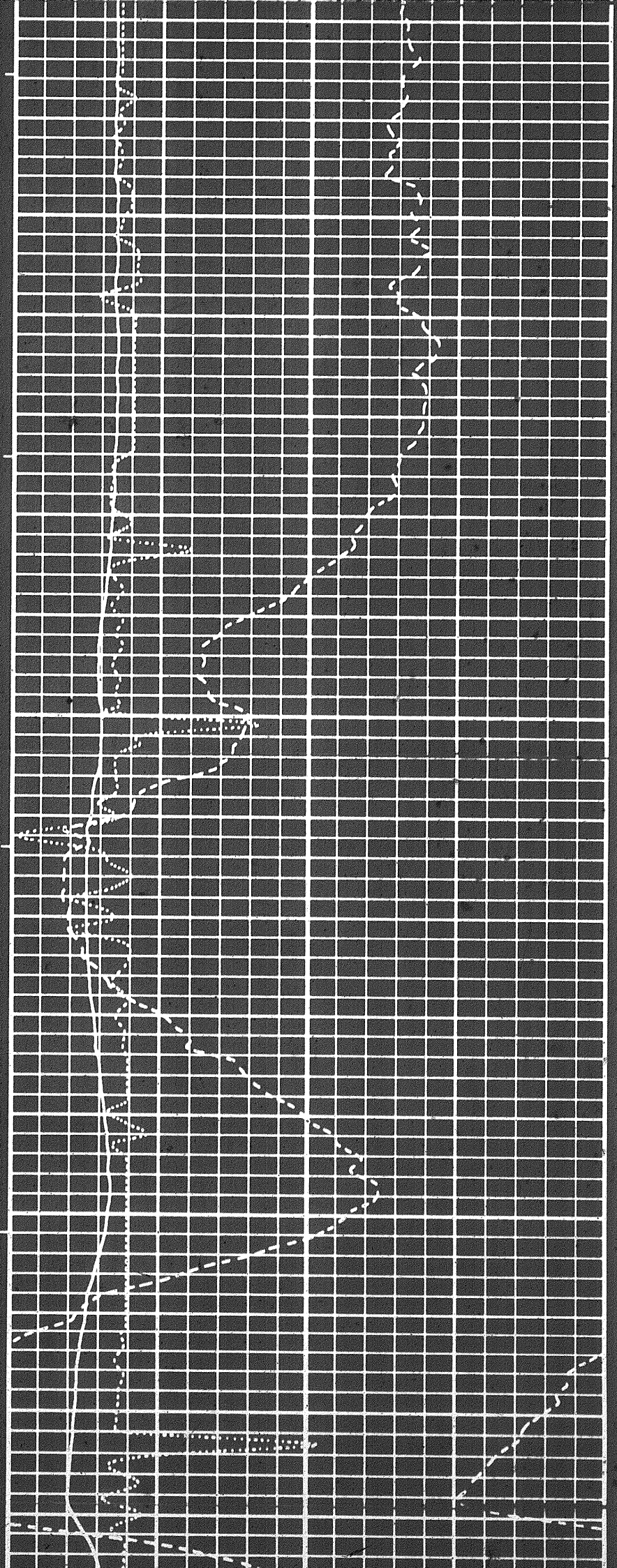


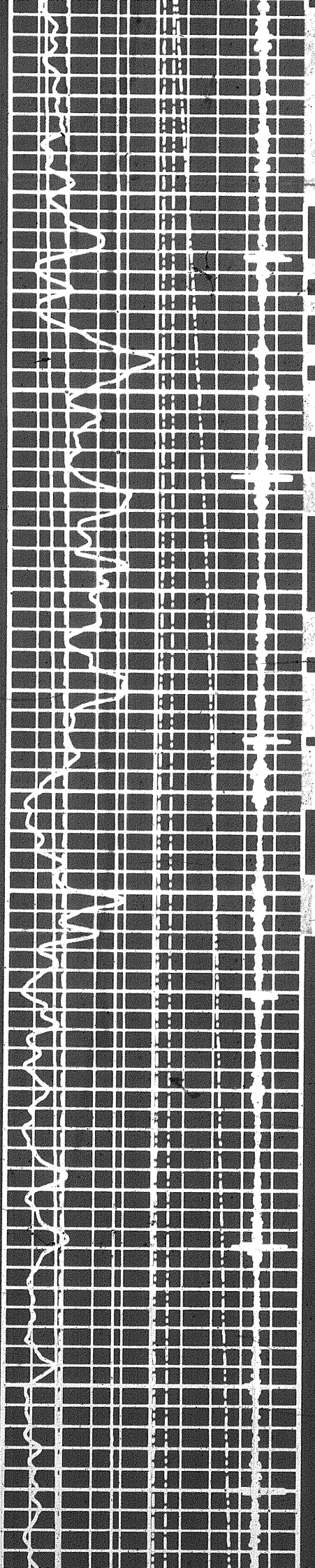


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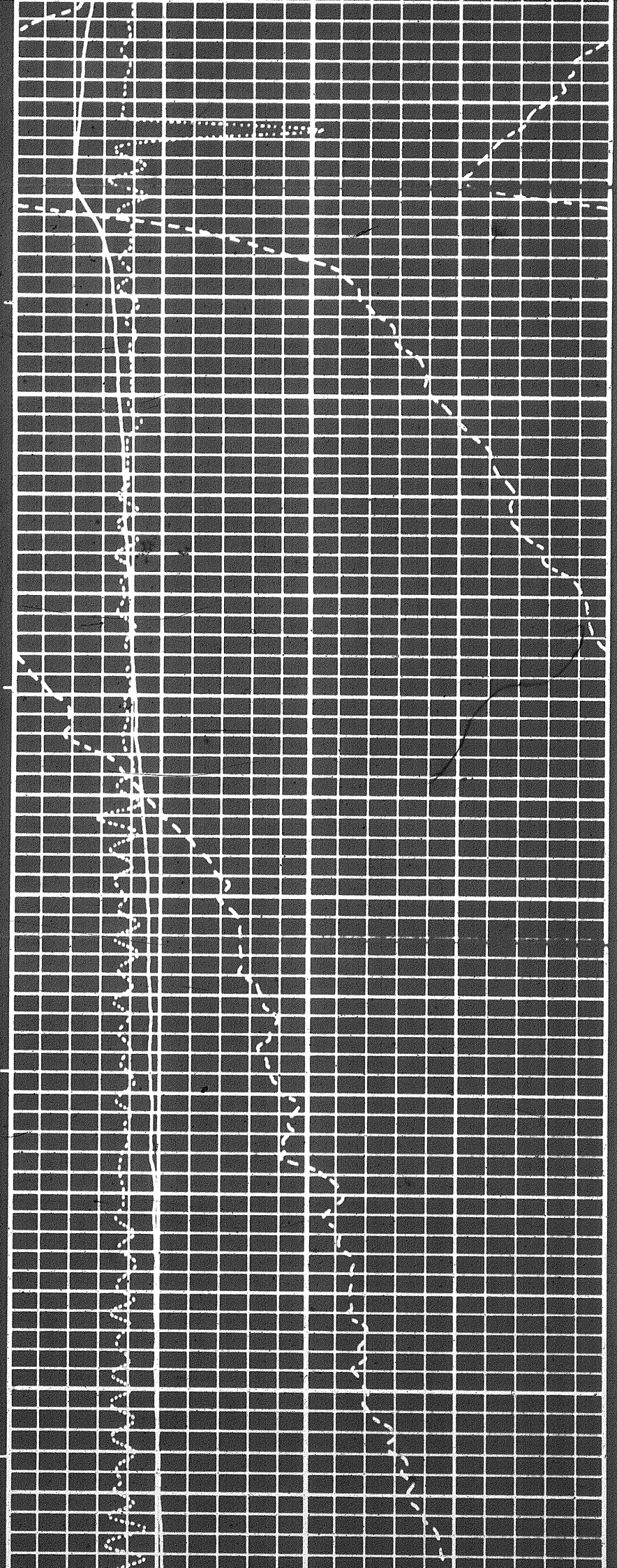


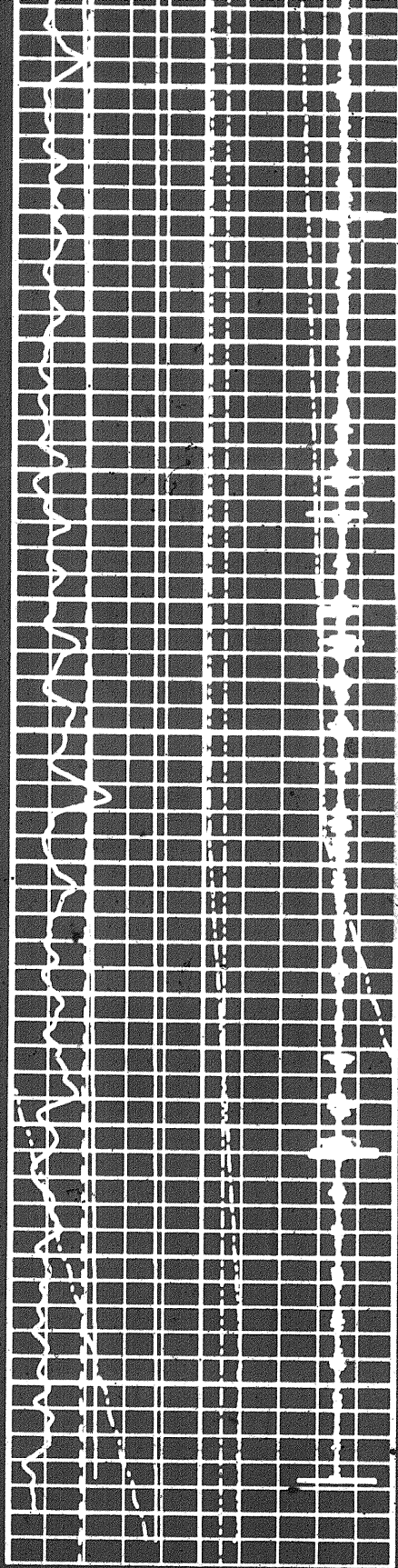


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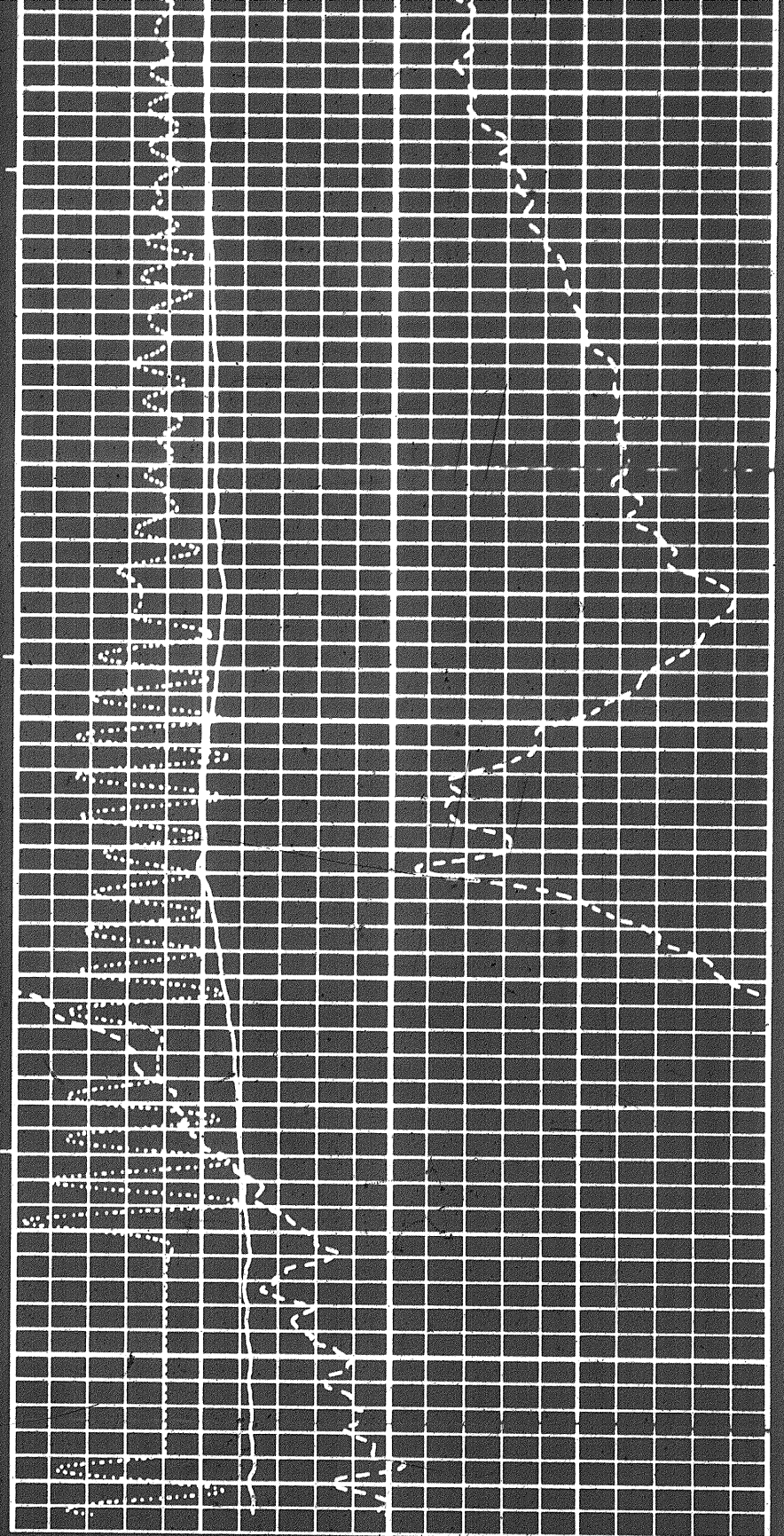




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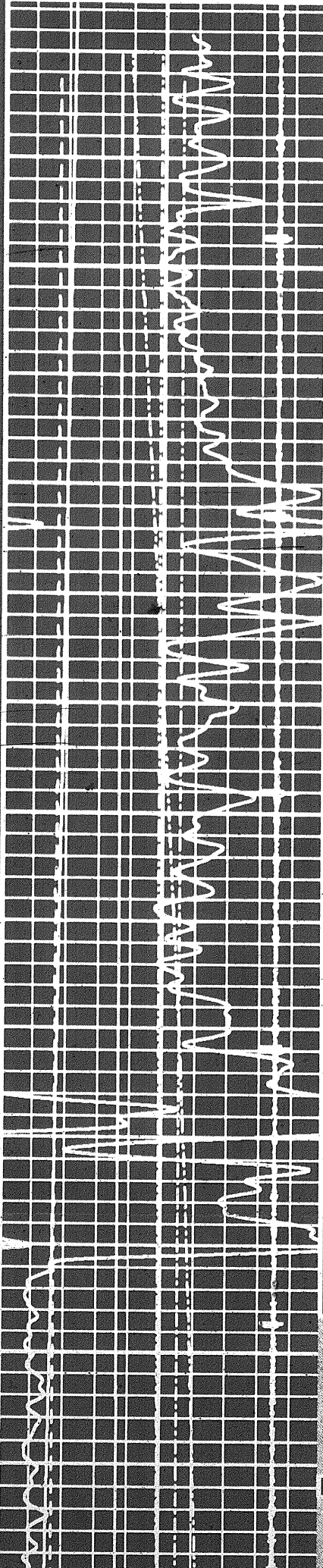
1998-07-29 15:49		
0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESIKPA	40000.00
0.00	PRESIKPA2	500.00
1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 6		

150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	10.00
10.00	FLOW DN	0.00
Logged up		File 'P6'



0.00	PRESIKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00

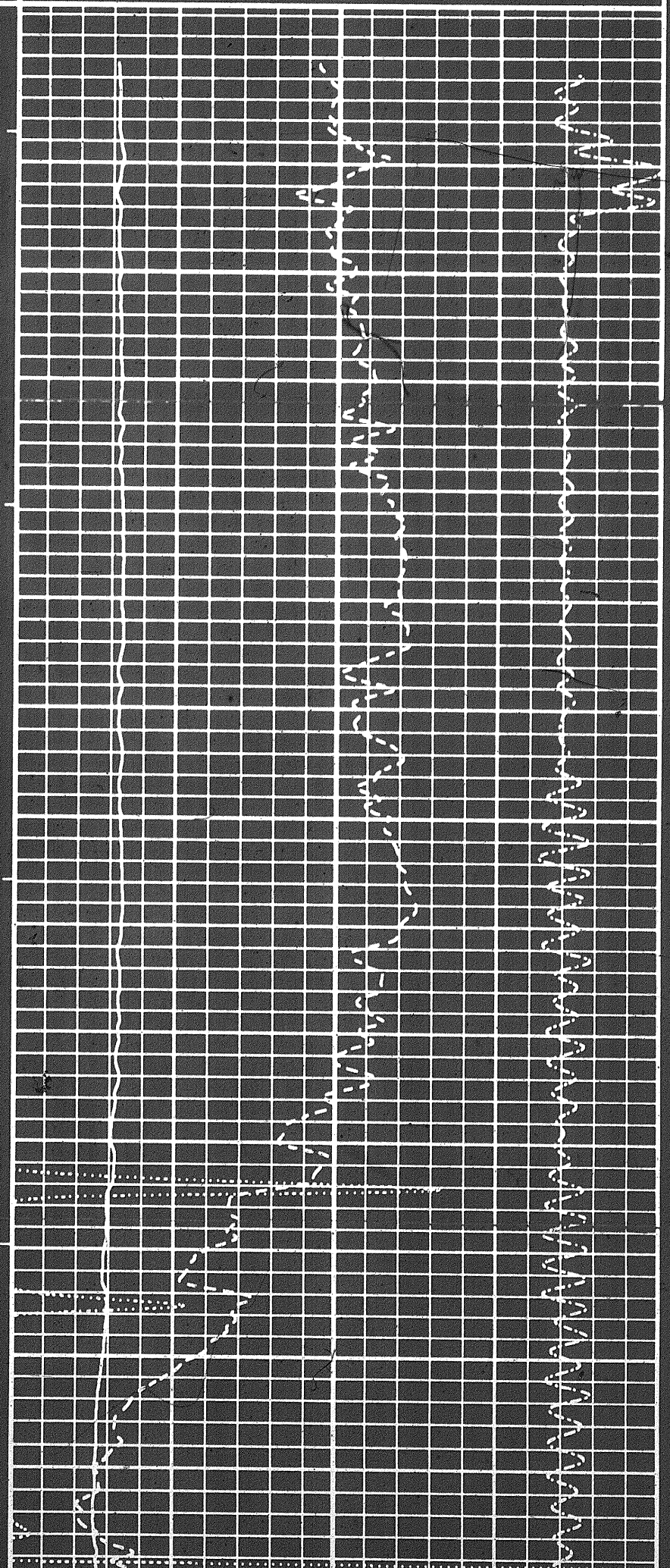
R Pass No. 6



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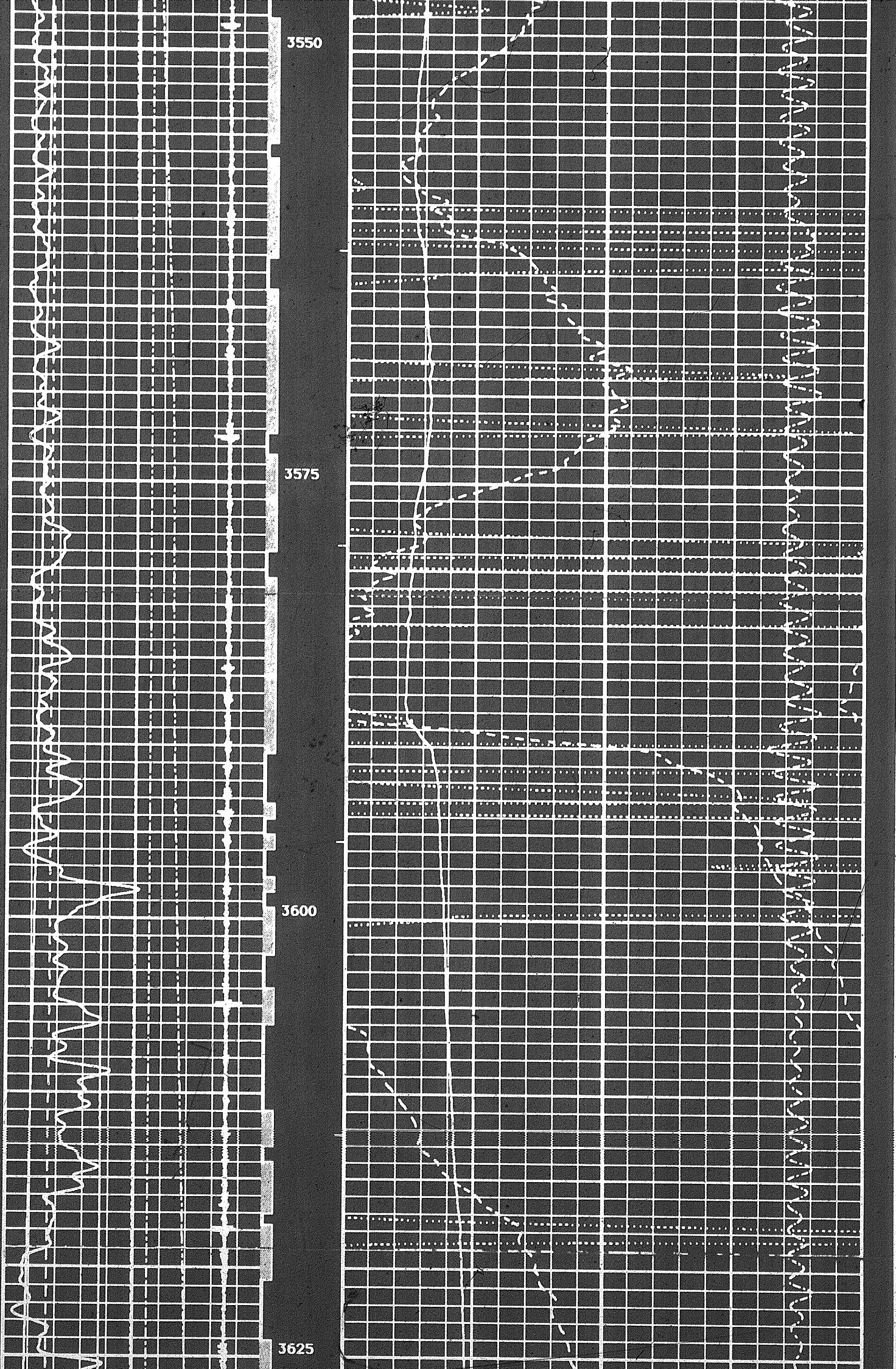


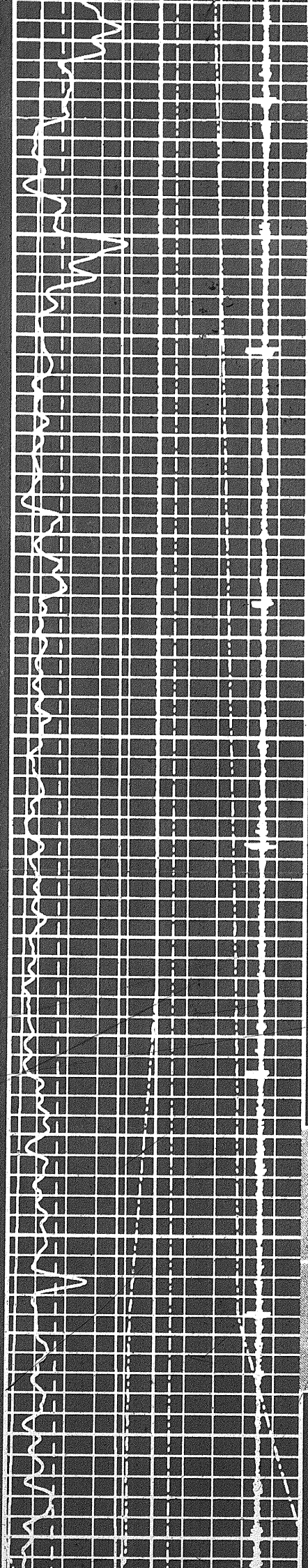
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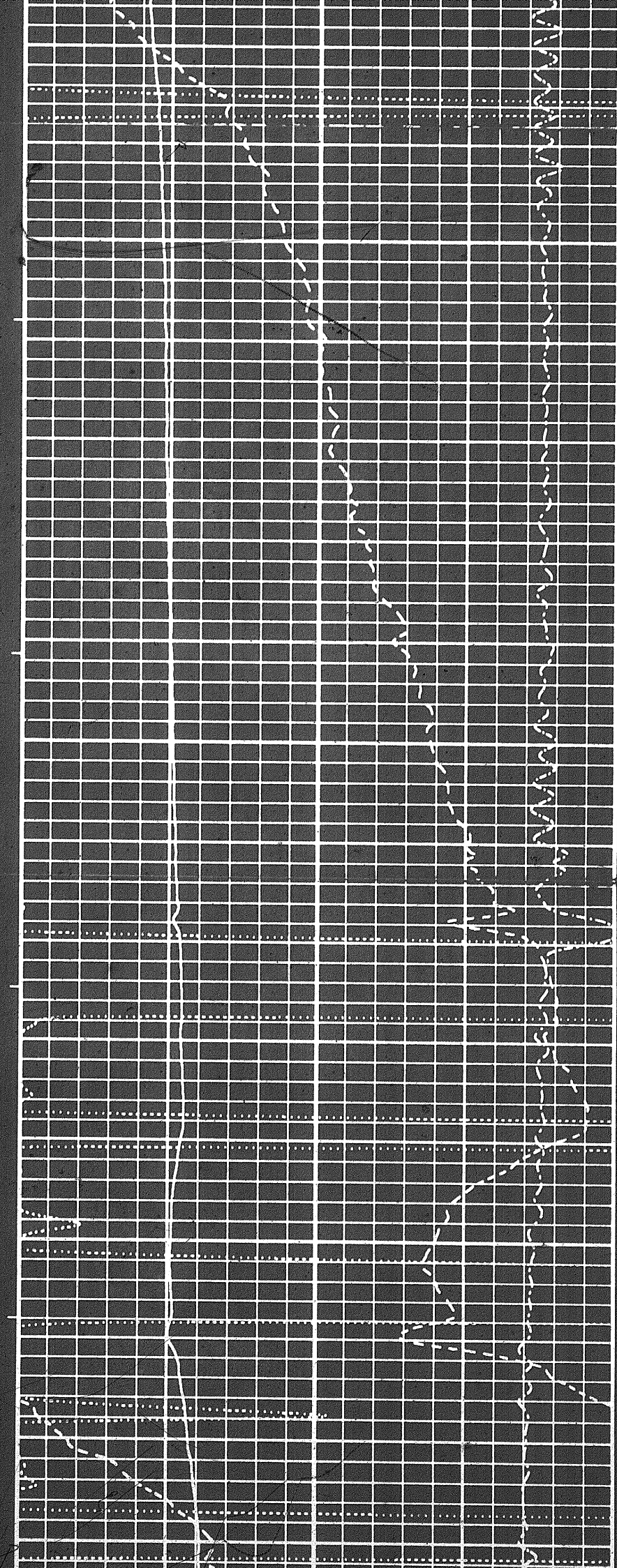


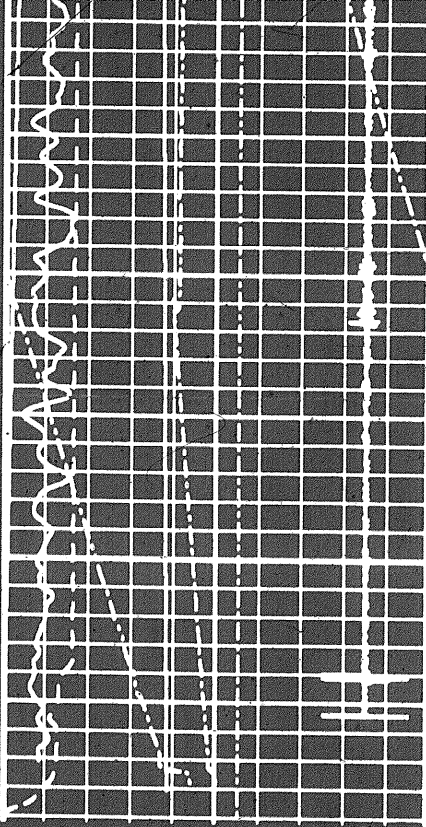


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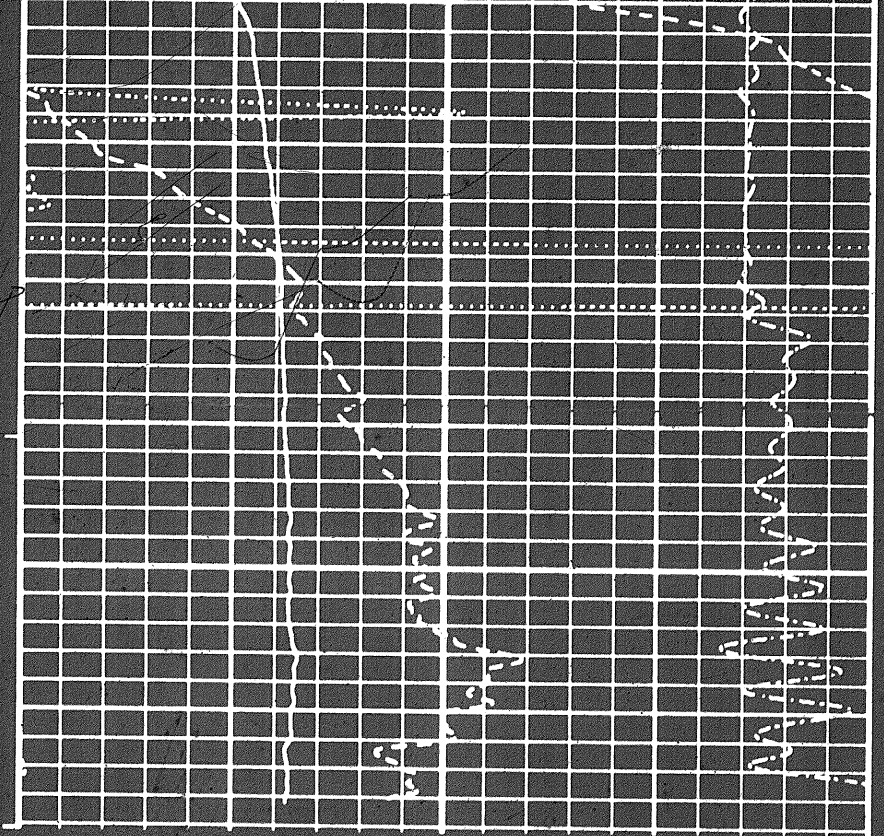
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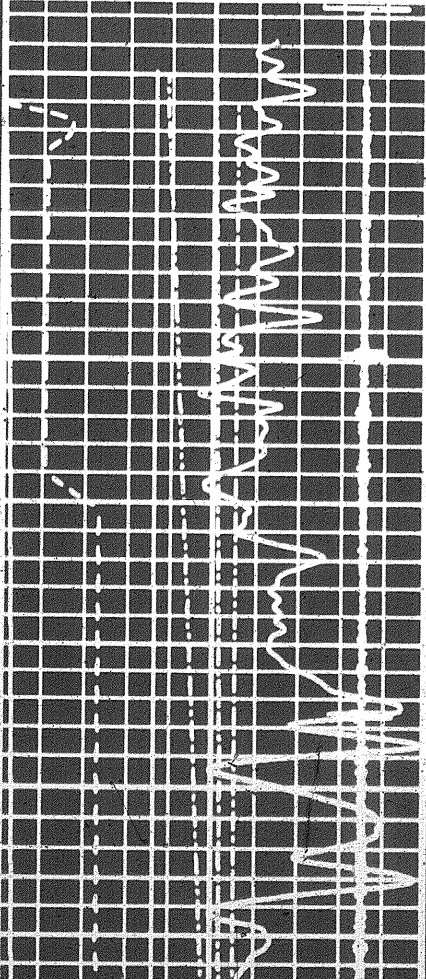
1998-07-29 16:04

0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESIKPA	40000.00
0.00	PRESIKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00

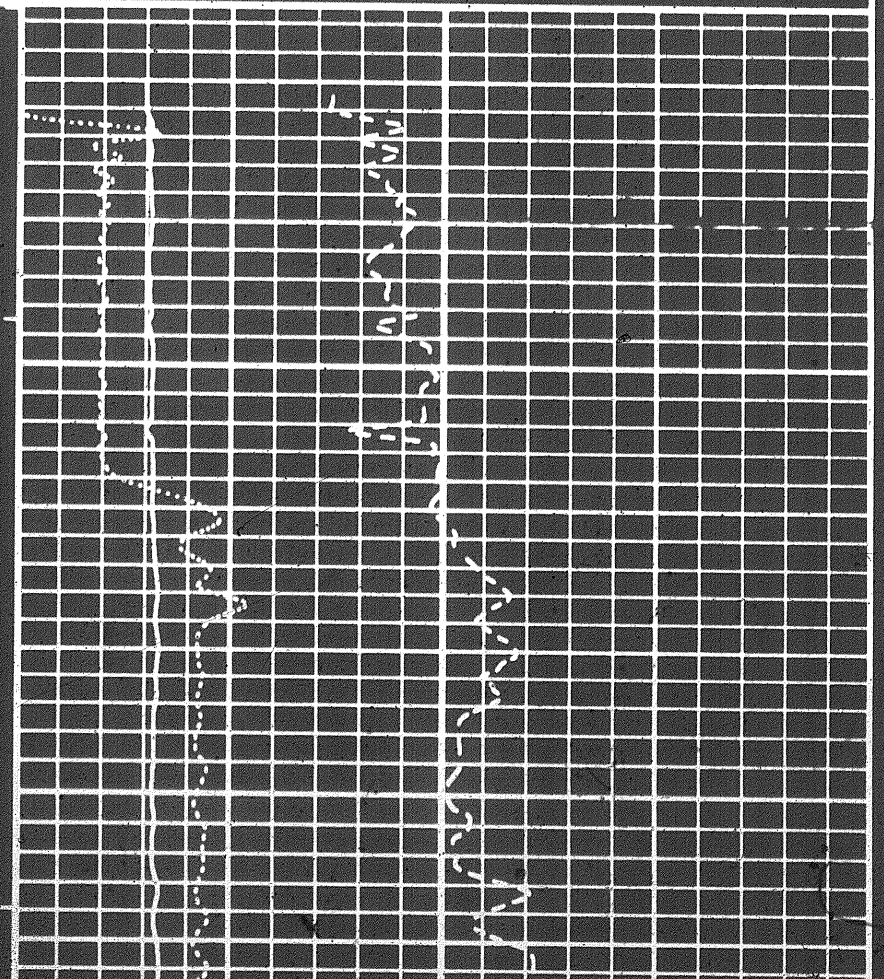
R Pass No. 7

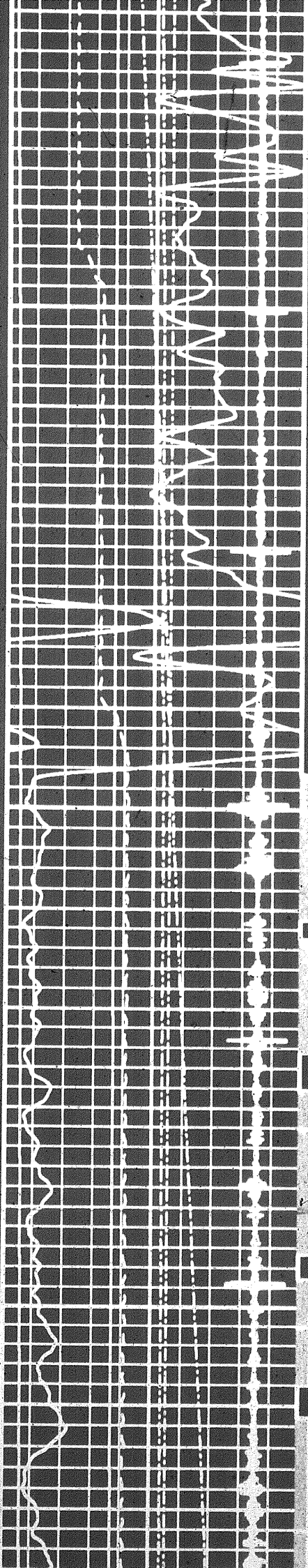
150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	10.00
10.00	FLOW DN	0.00

Logged down File 'P7'



3500

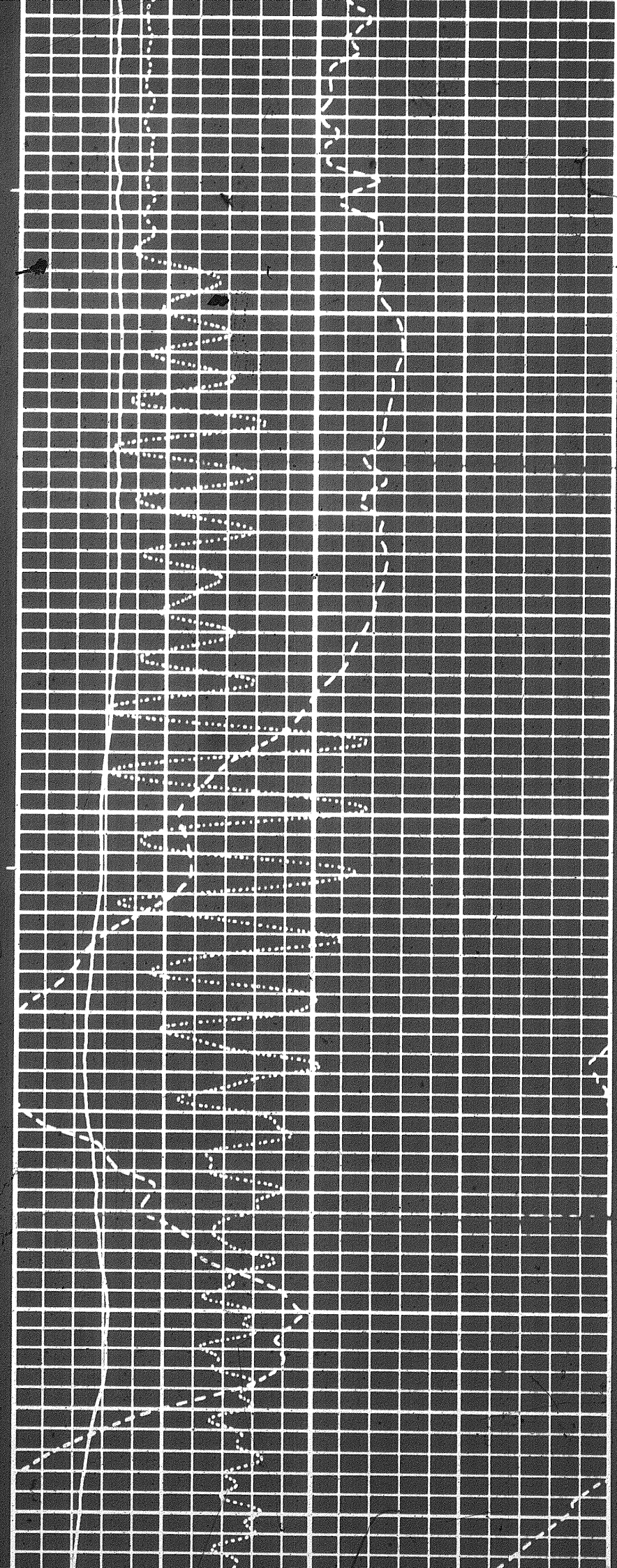


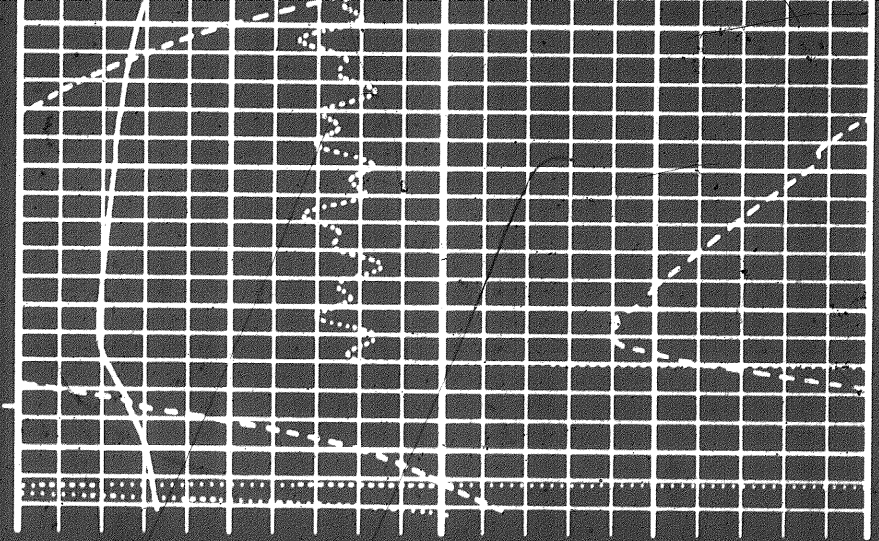
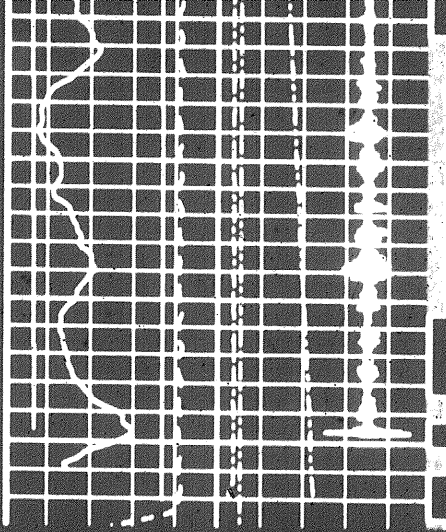


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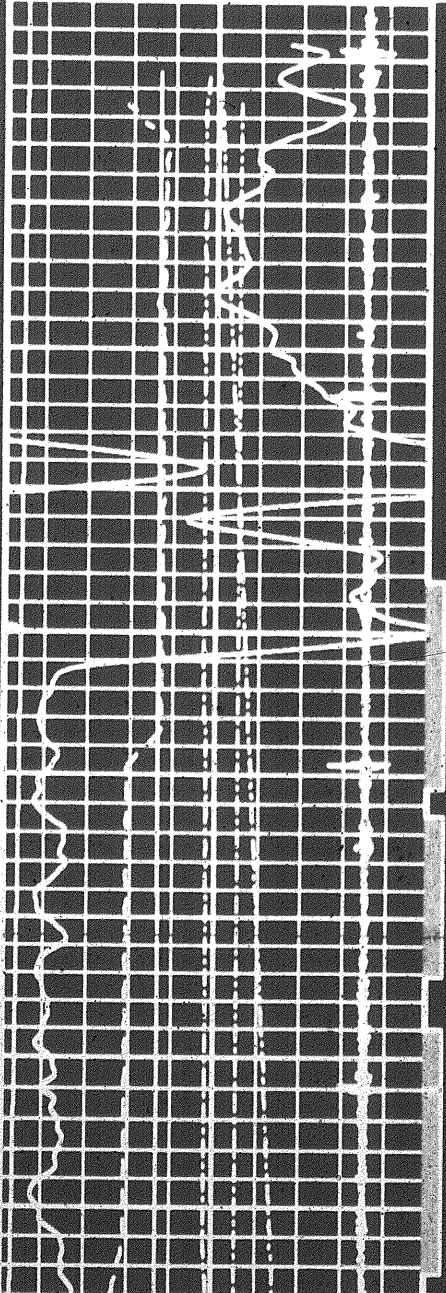
3575



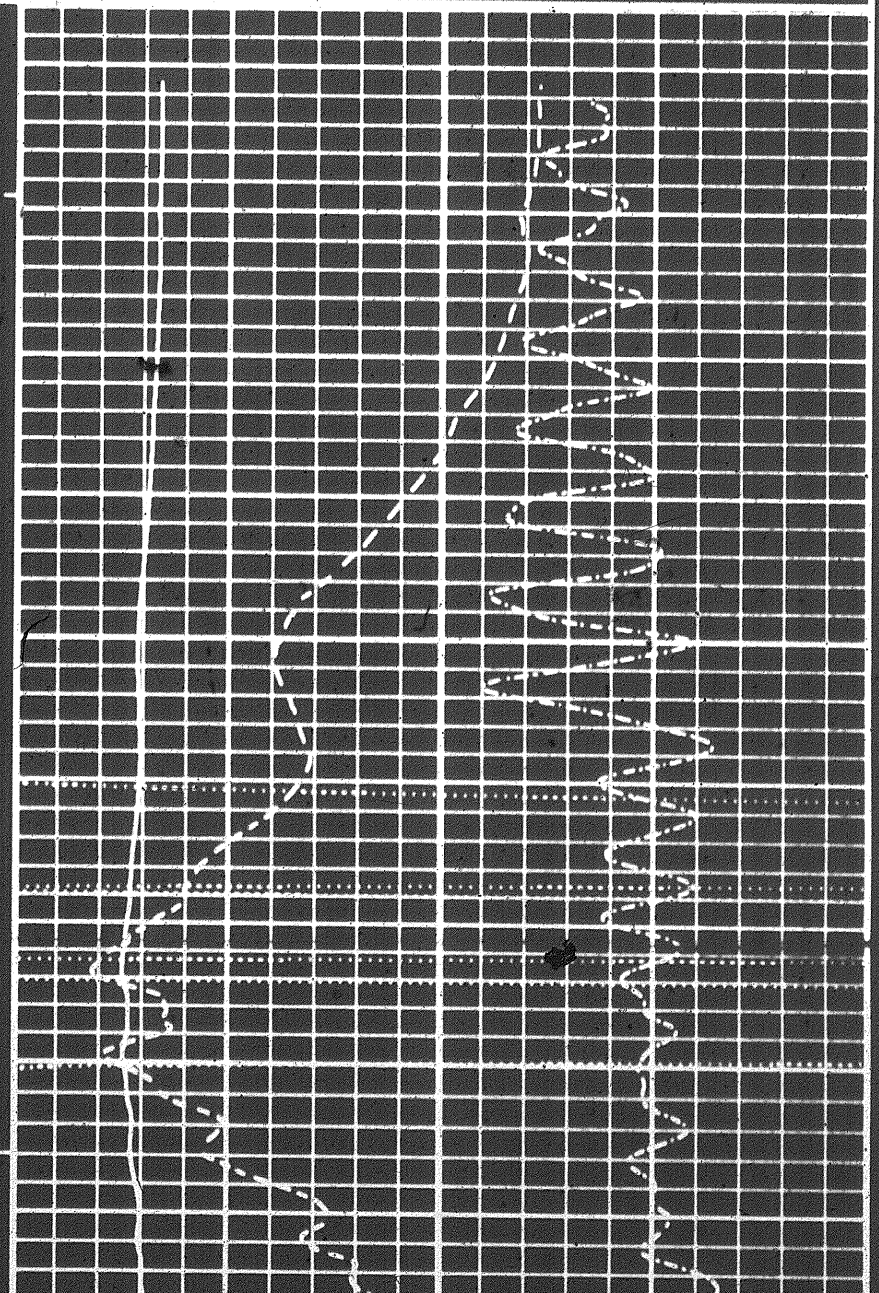


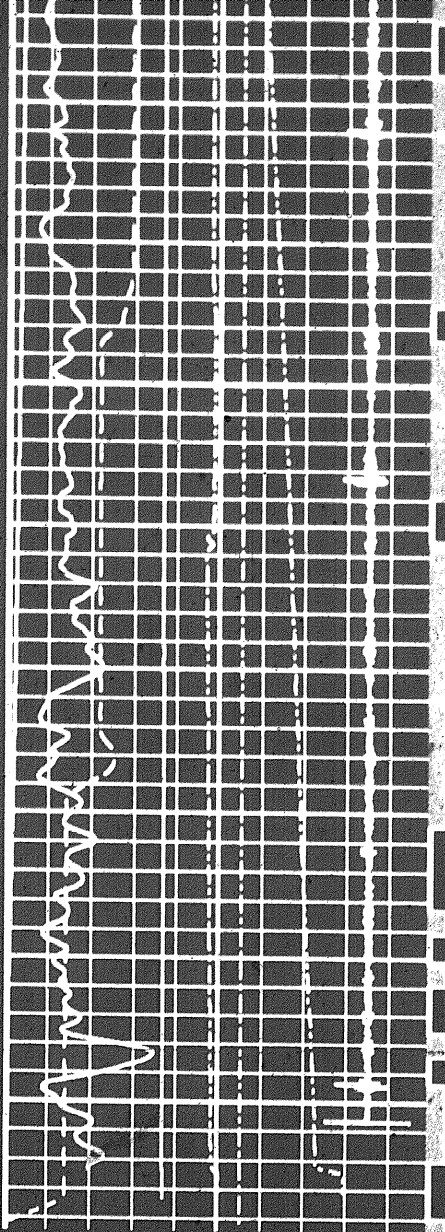
1998-07-29 16:08		
0.00	DCCL	100.00
0.00	LISPD	100.00
0.00	TEMP	2000.00
0.00	GR	150.00
20000.00	PRESKPA	40000.00
0.00	PRESKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 8		

150.00	TEKDE0XC	200.00
0.00	TEZ(06)XC	4.00
0.00	FLOW UP	10.00
10.00	FLOW DN	0.00
Logged up		File 'P6'



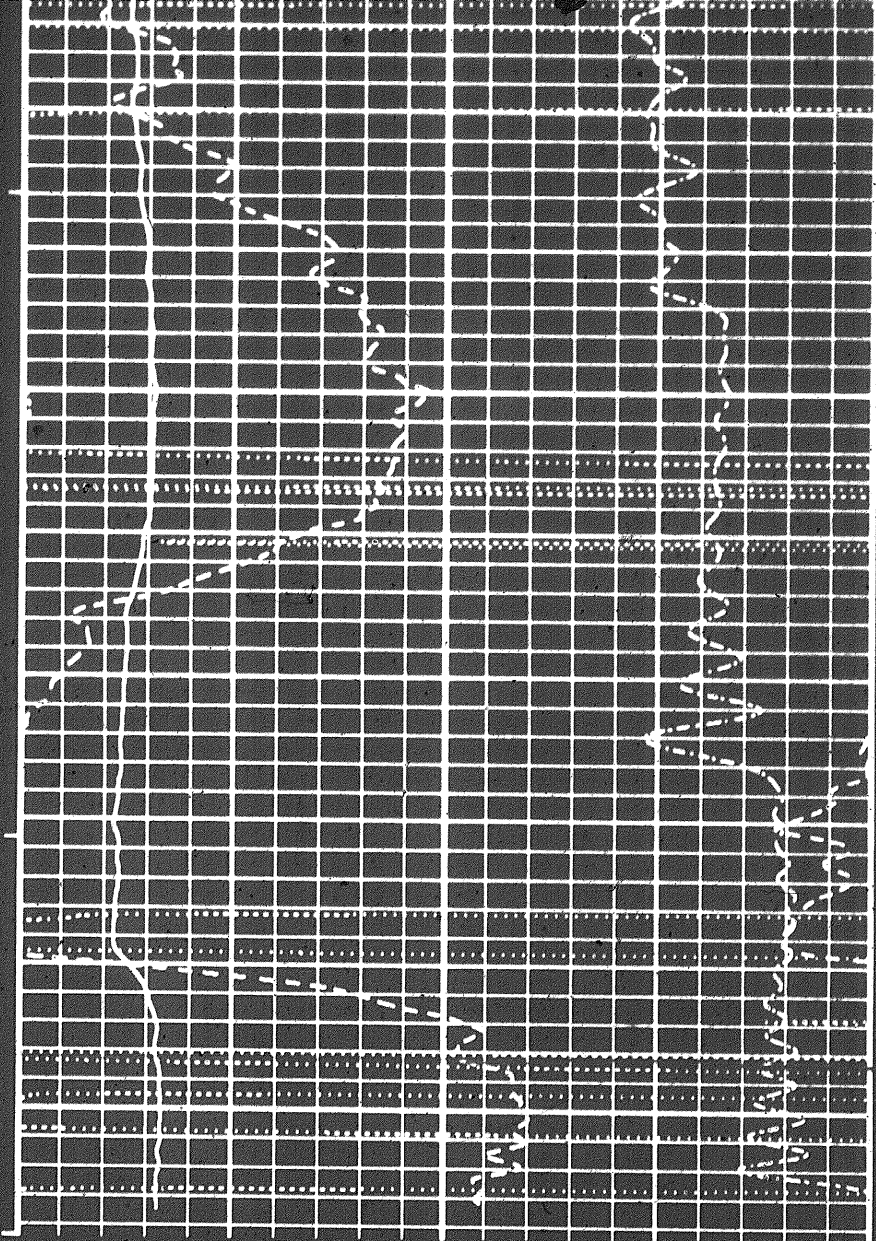
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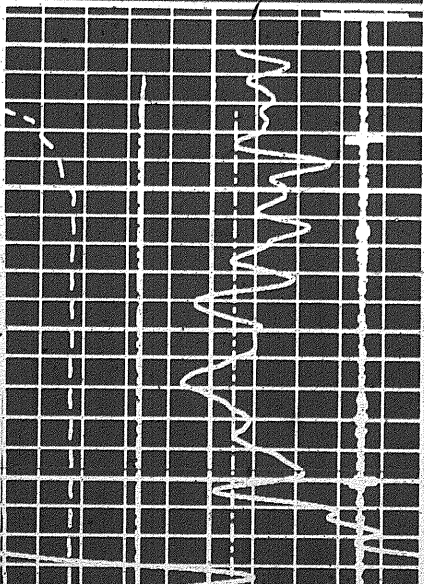
3575

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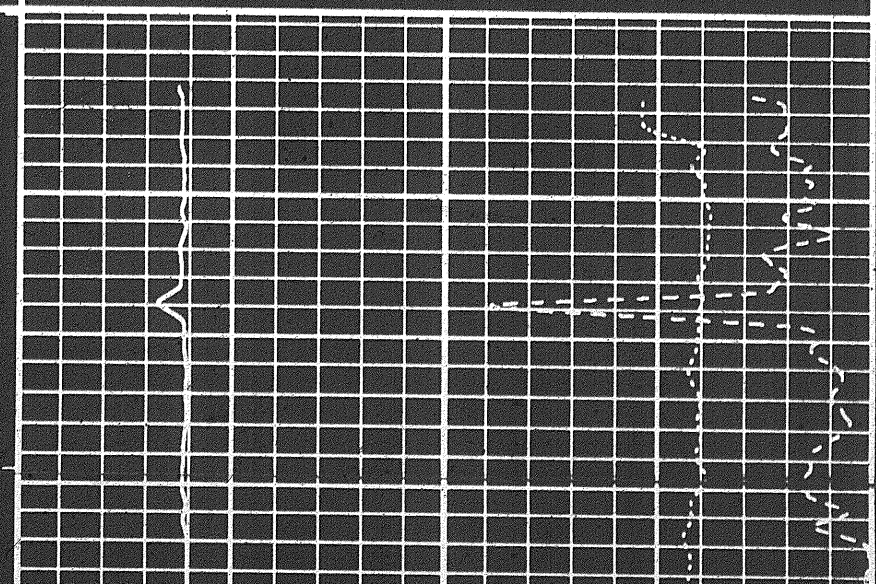


1998-07-29 16:45		
0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESIKPA	40000.00
0.00	PRESIKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 10		

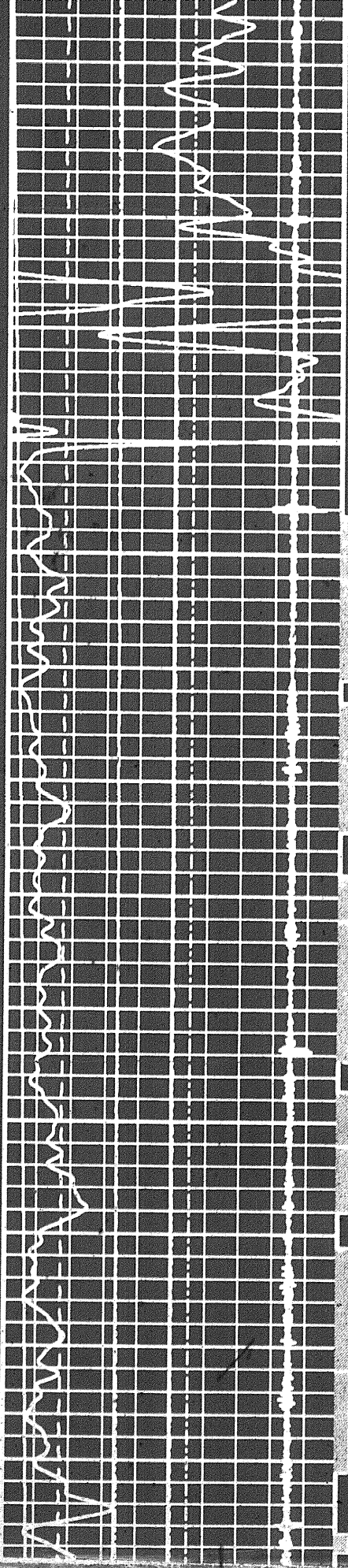
150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	20.00
20.00	FLOW DN	0.00
Logged down	File 'PI0'	
FLOWING	670	E3M3 GAS GAS



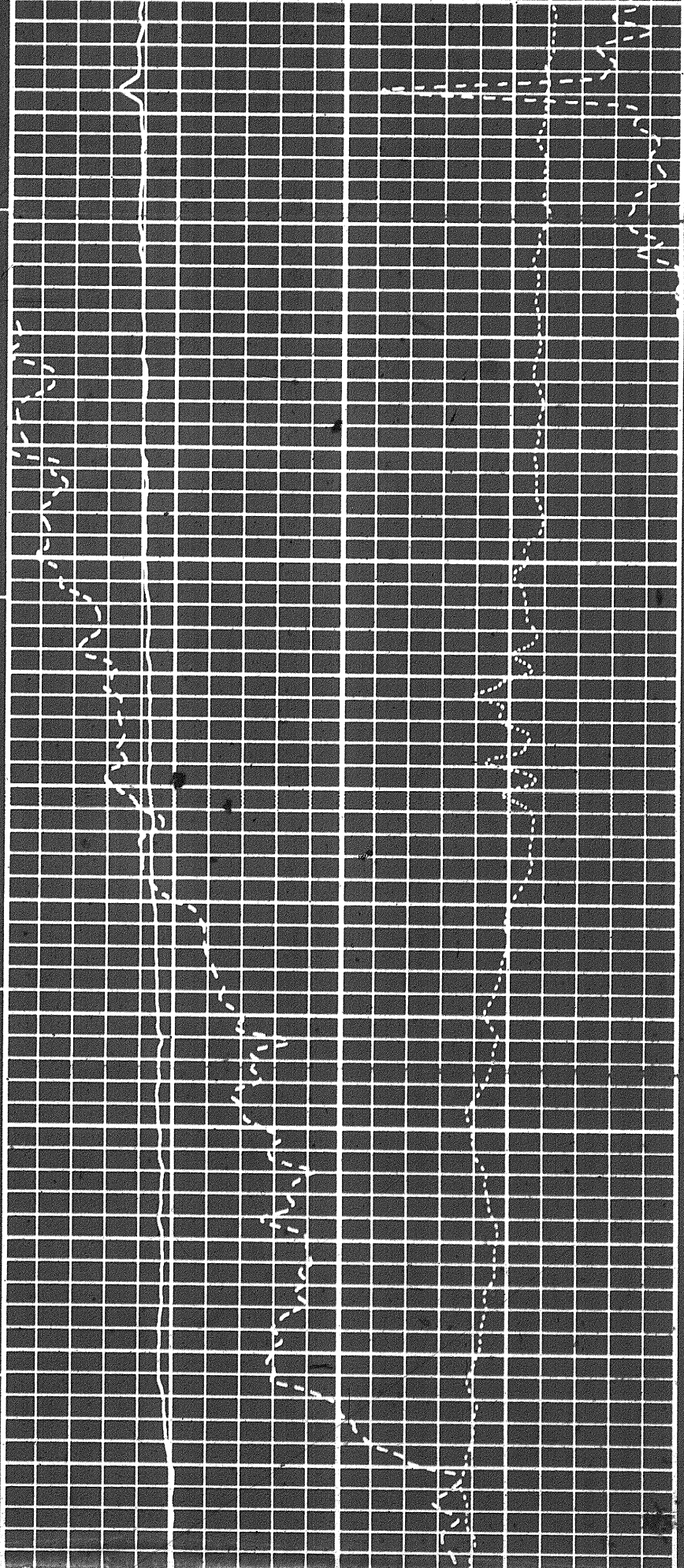
3525



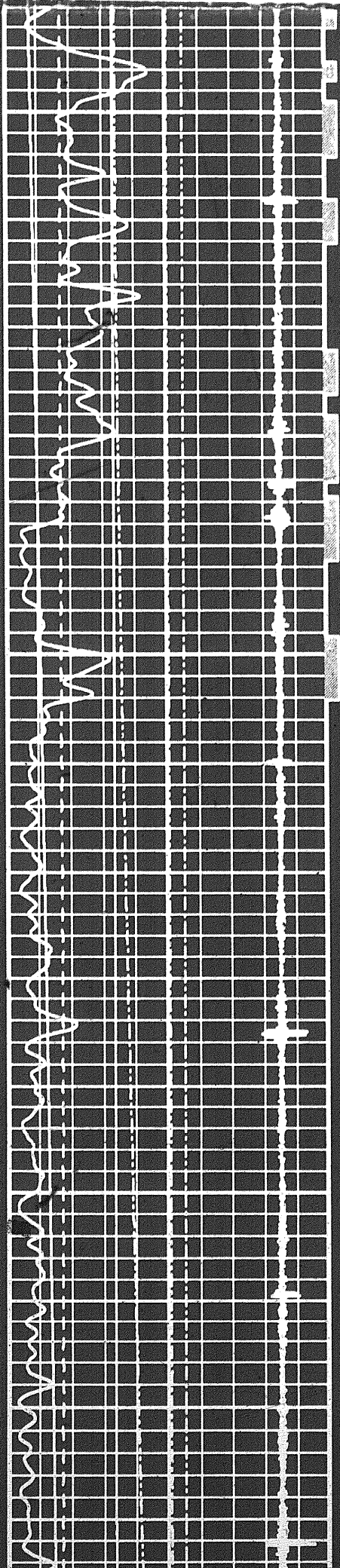
3525



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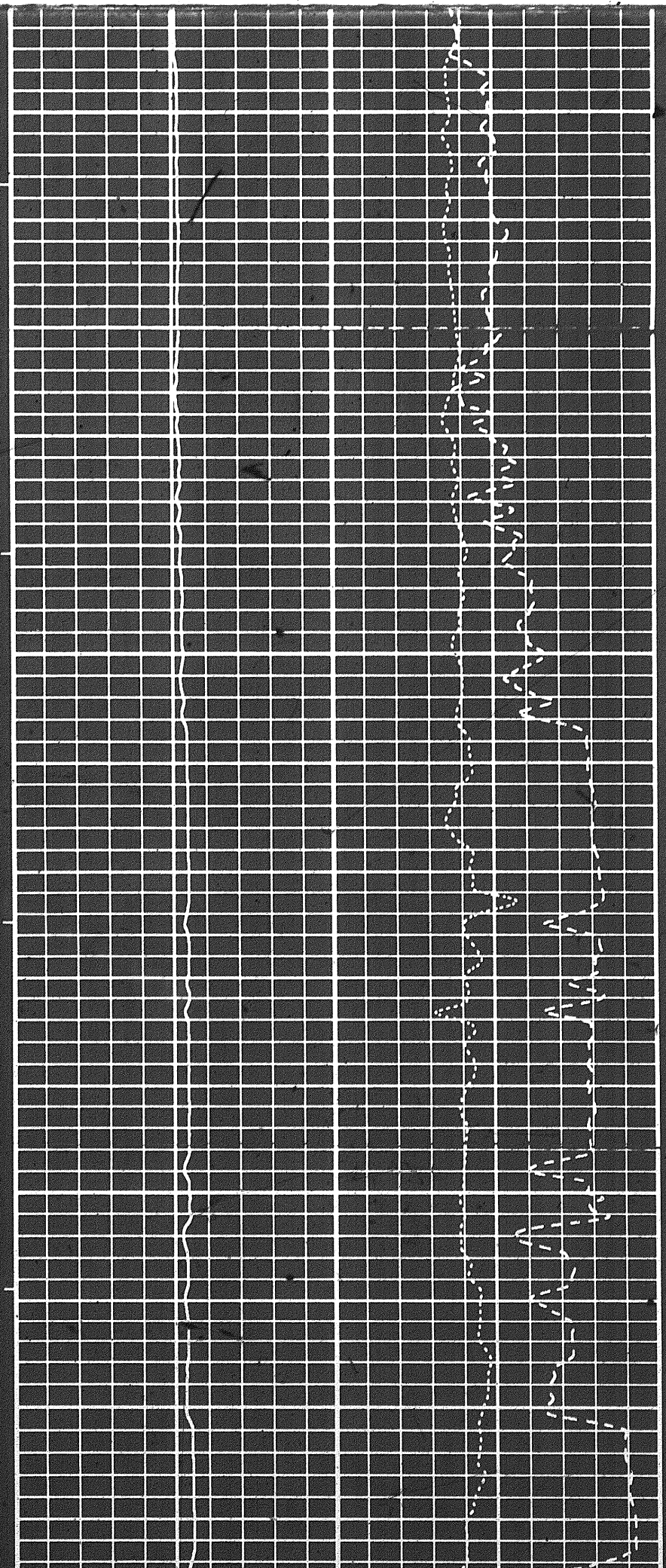
3575

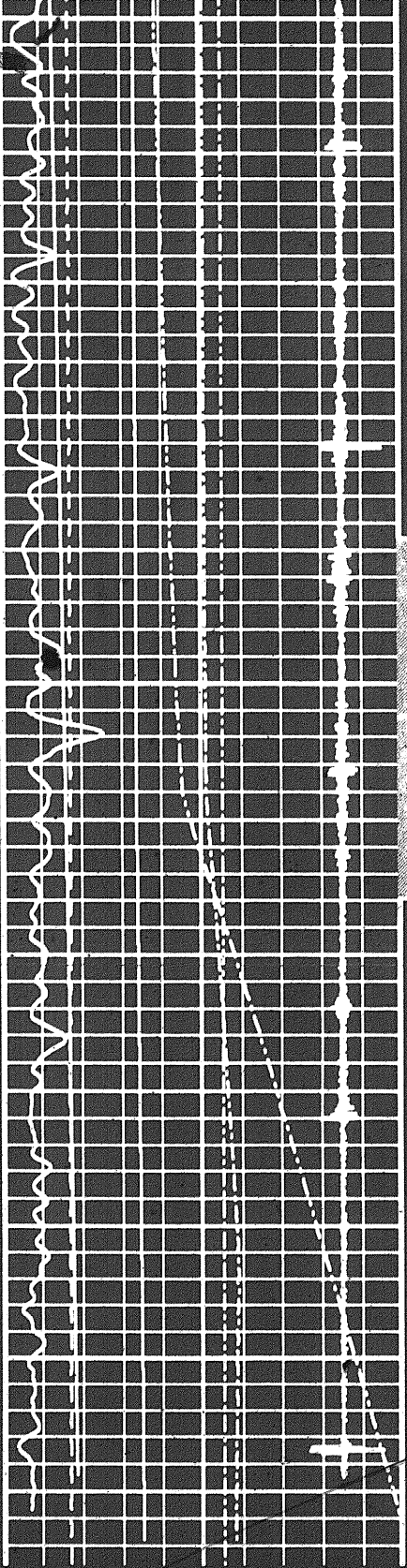


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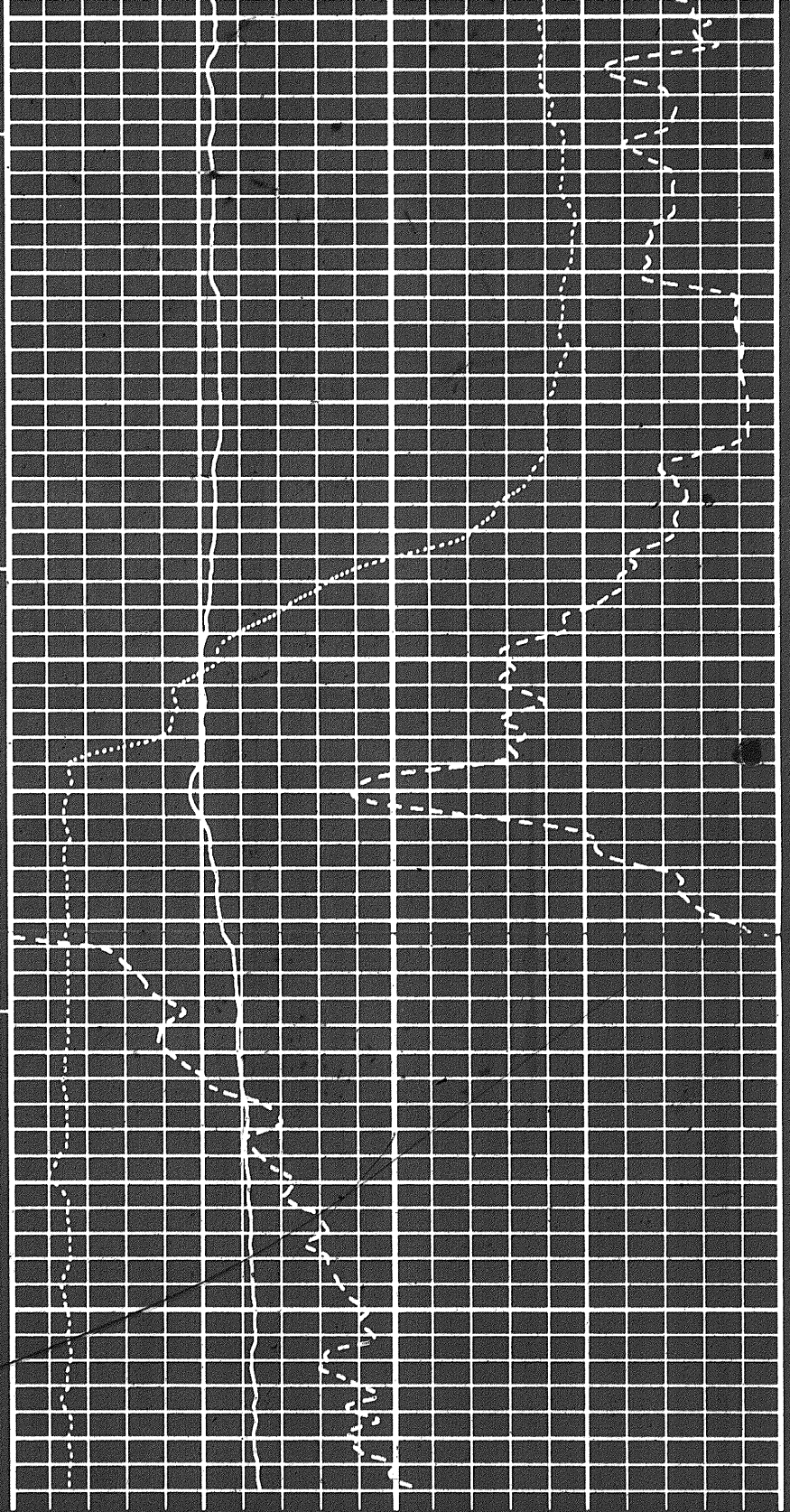




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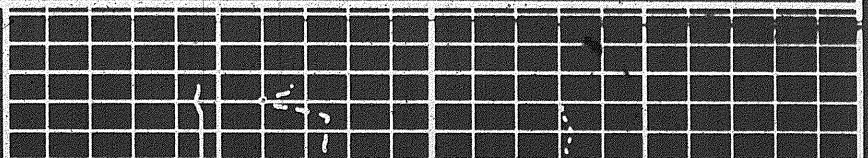
3675

3700



1998-07-29 16:56		
0.00	DCCL	100.00
0.00	LN SPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRES1KPA	40000.00
0.00	PRES1KPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 11		

150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	20.00
20.00	FLOW DN	0.00
Logged up	File 'PI1'	
FLOWING	670	E3M3 GAS GAS



0.00	GR	150.00
20000.00	PRESKPA	40000.00
0.00	PRESKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00

R Pass No. 11

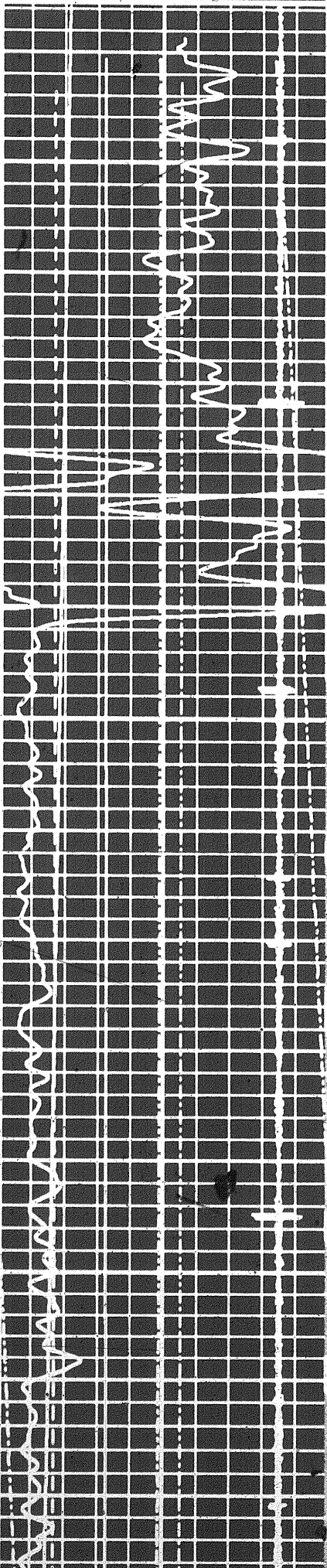
Logged up
FLOWING

File 'PI1'
670

E3M3

GAS

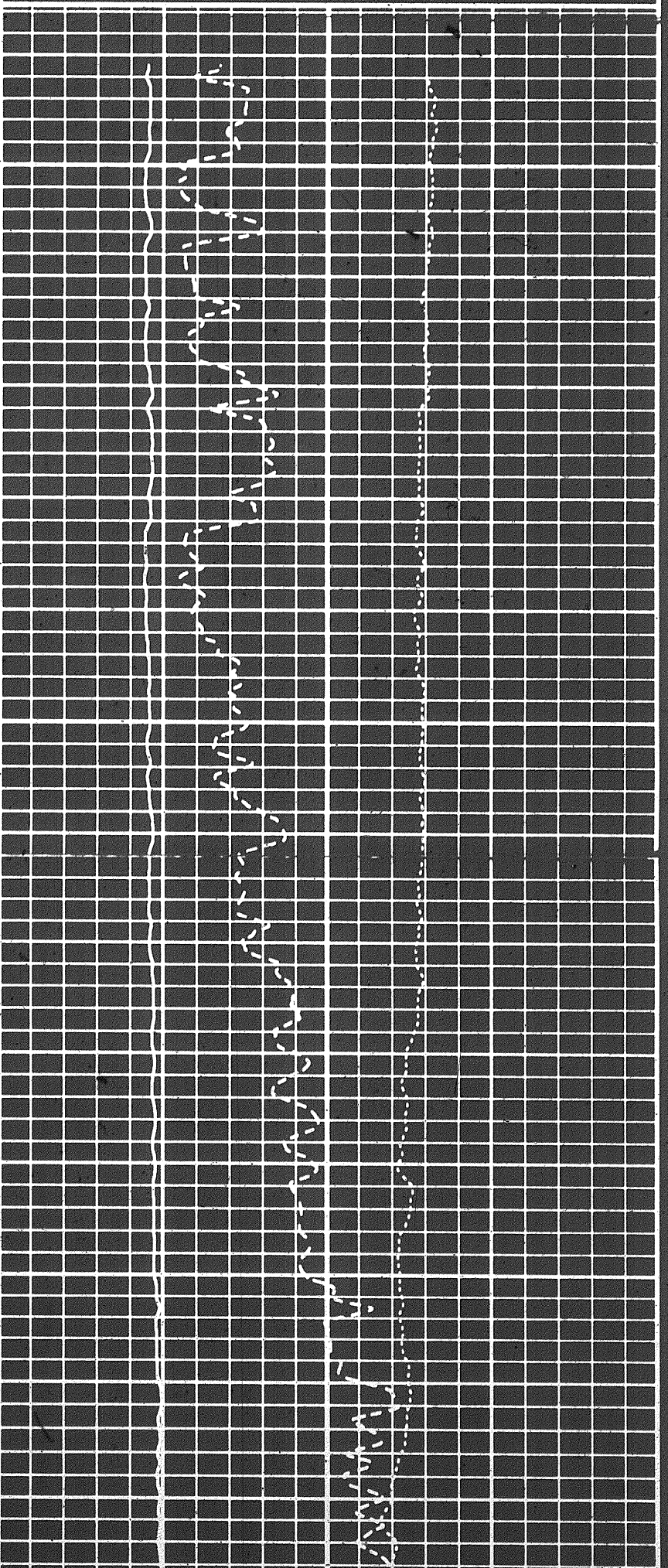
GAS

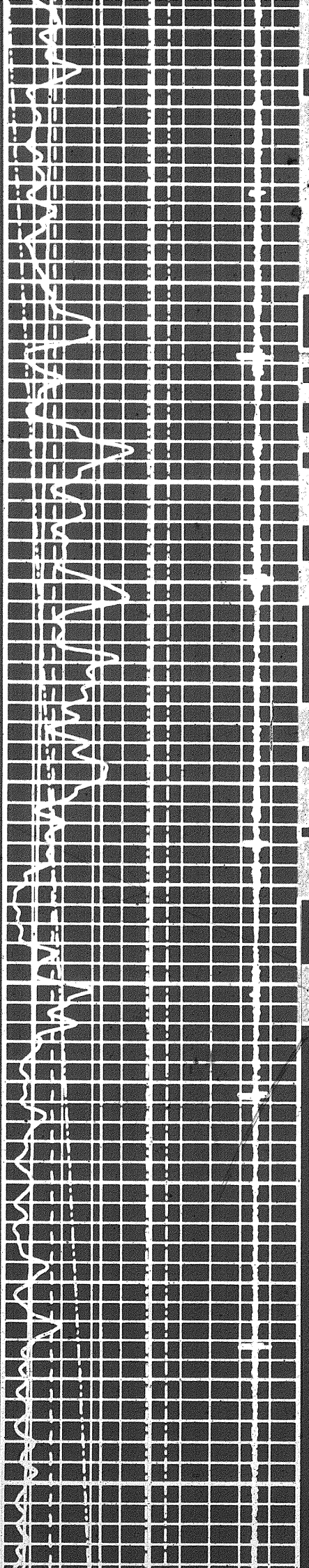


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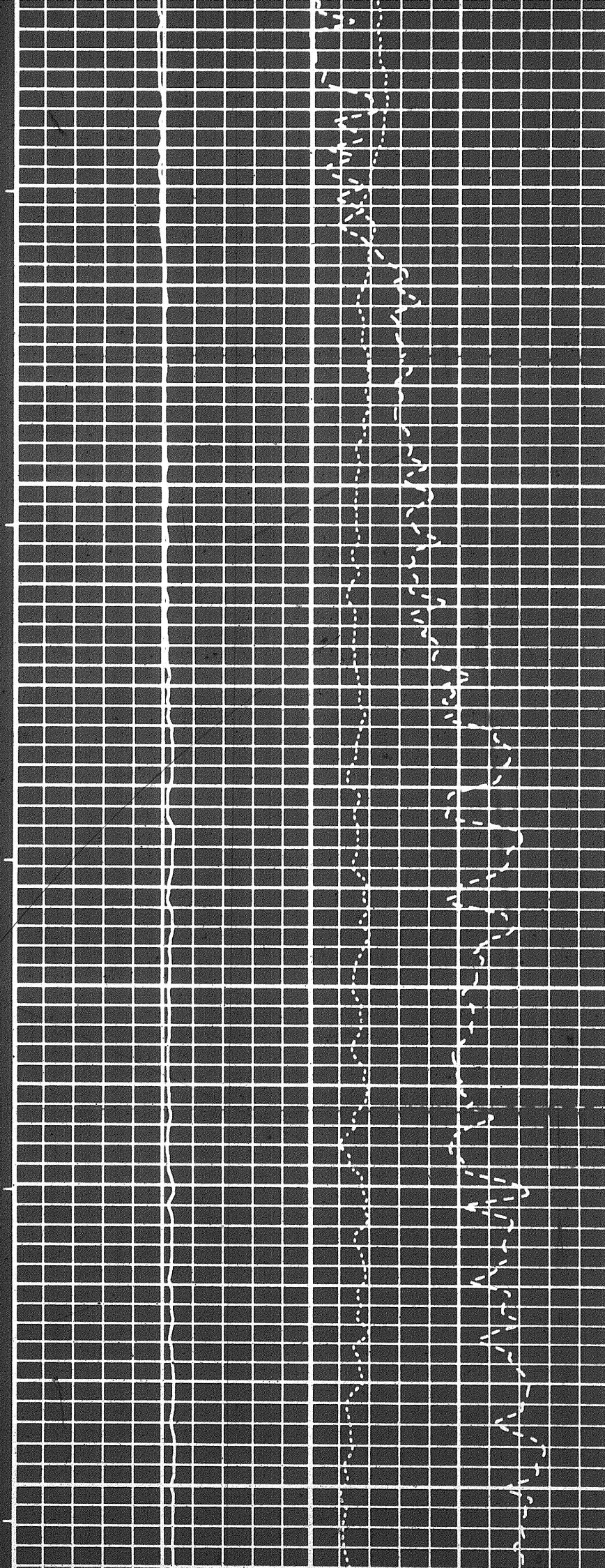


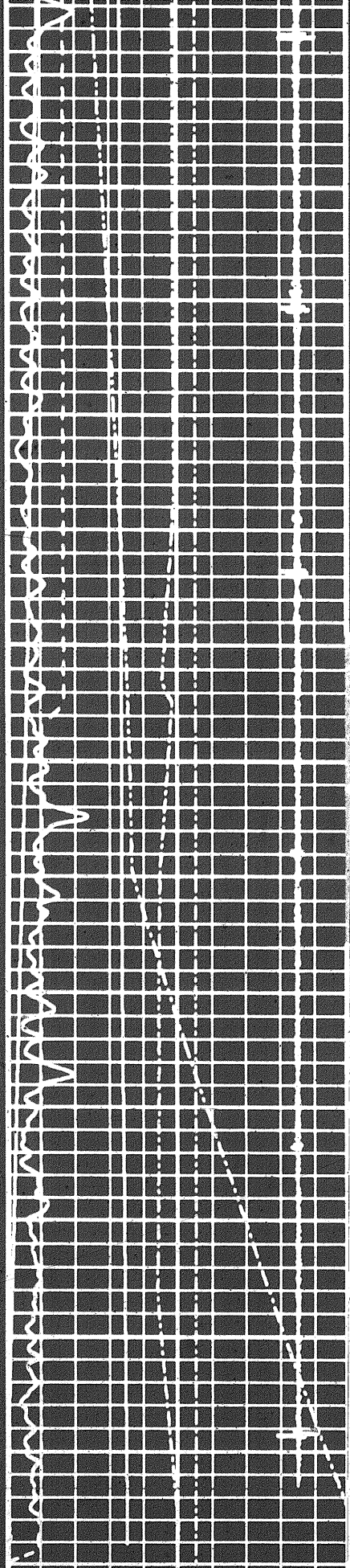


3600

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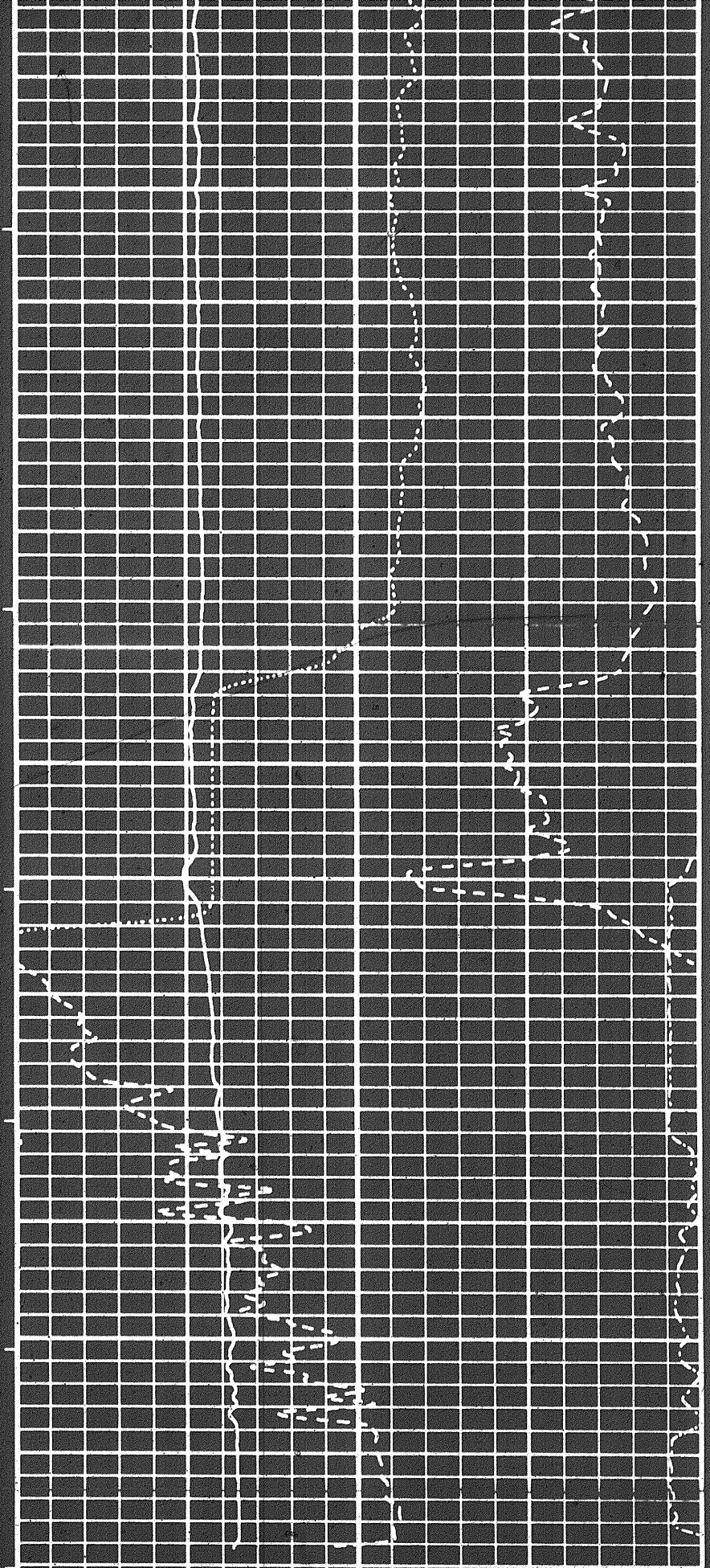




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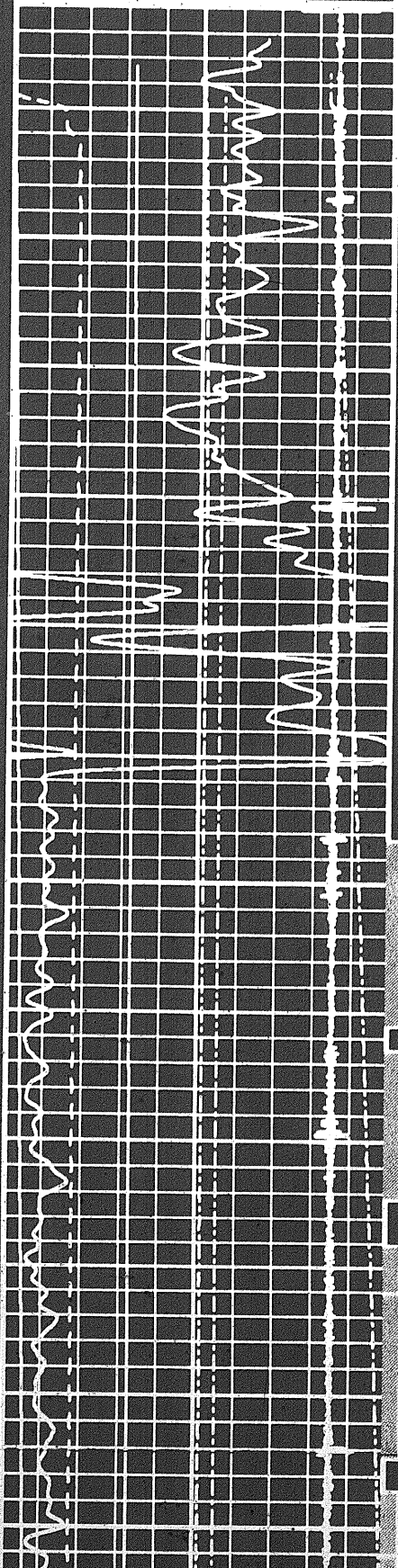


1998-07-29 17:09		
0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESIKPA	40000.00

150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	20.00
20.00	FLOW DN	0.00
Logged down	File 'P12'	
FLOWING	670	E3M3 GAS GAS

1998-07-29 17:09		
0.00	DCCL	100.00
0.00	LNSPD	100.00
0.00	TENS	2000.00
0.00	6R	150.00
20000.00	PRESIKPA	40000.00
0.00	PRESIKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 12		

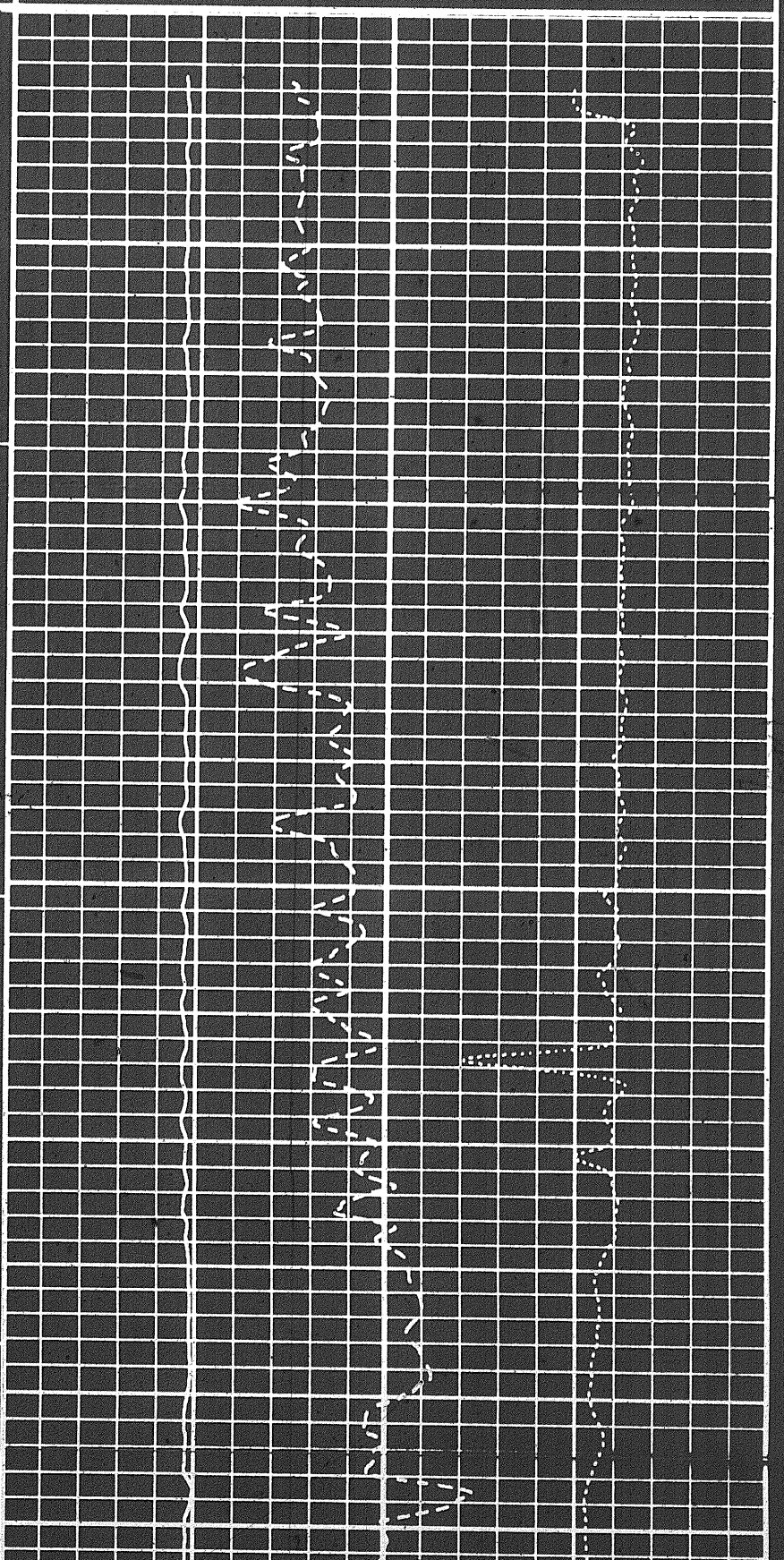
150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	20.00
20.00	FLOW DN	0.00
Logged down	File 'PIZ'	
FLOWING	670	E3M3 GAS GAS

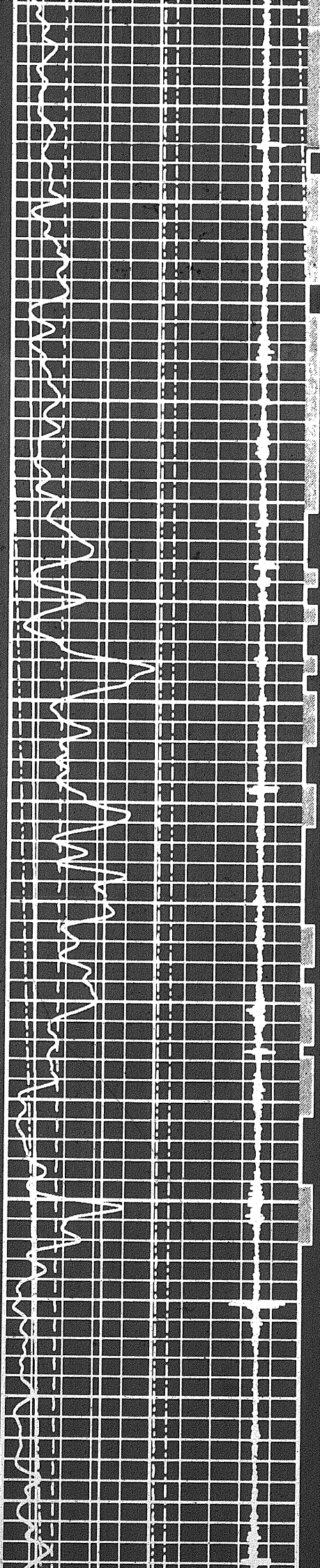


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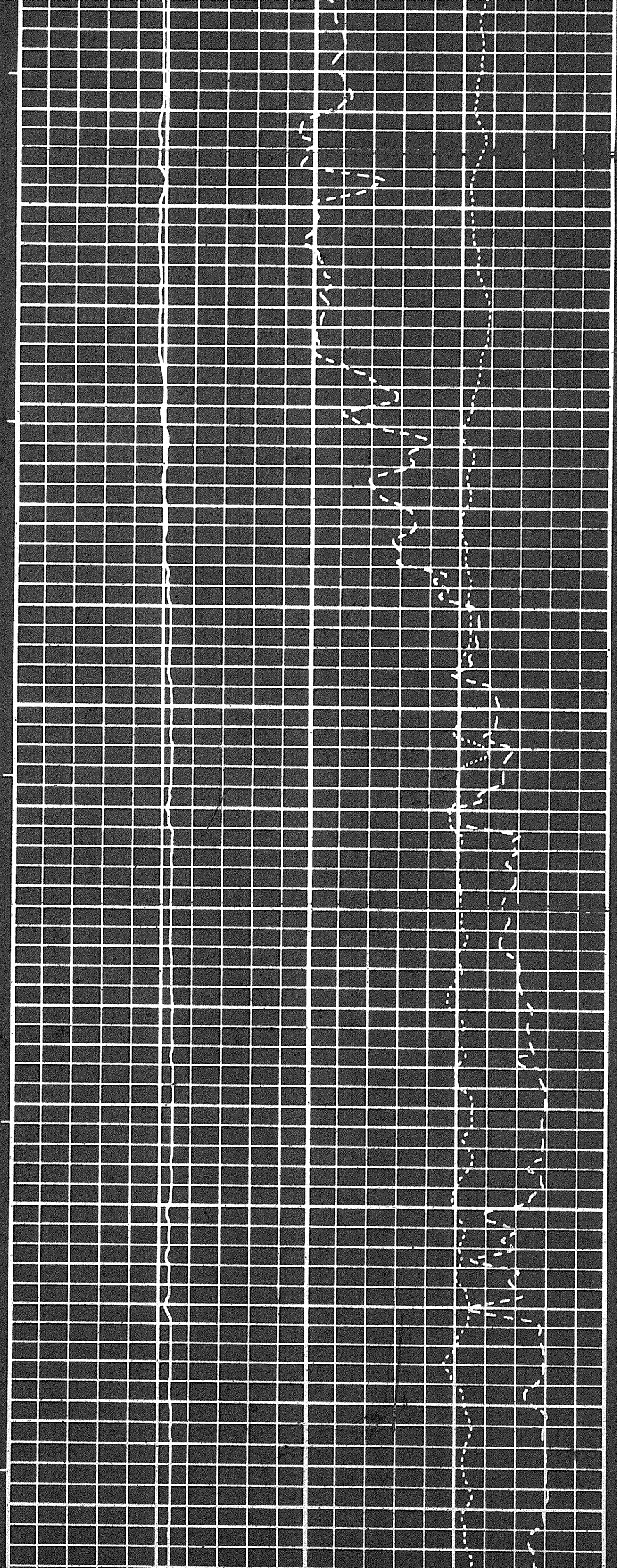


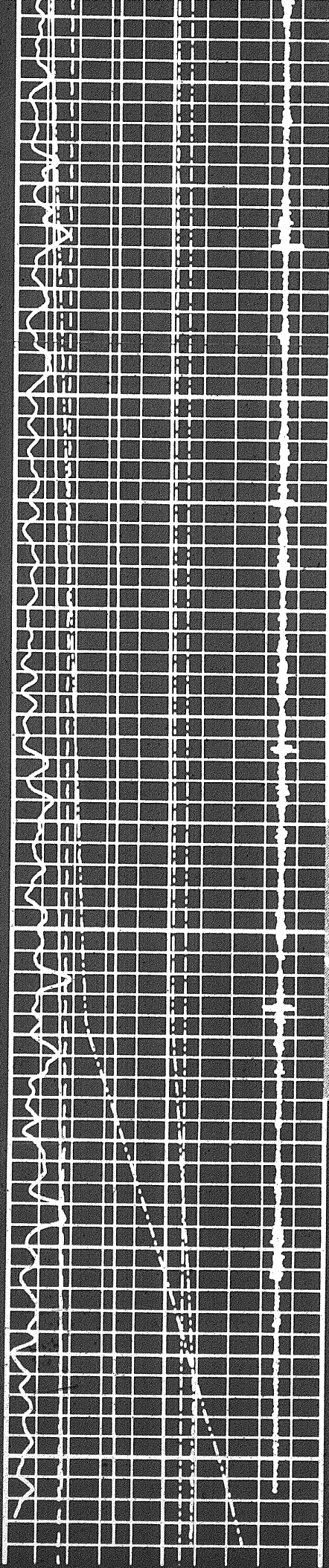


3575

3600

3625

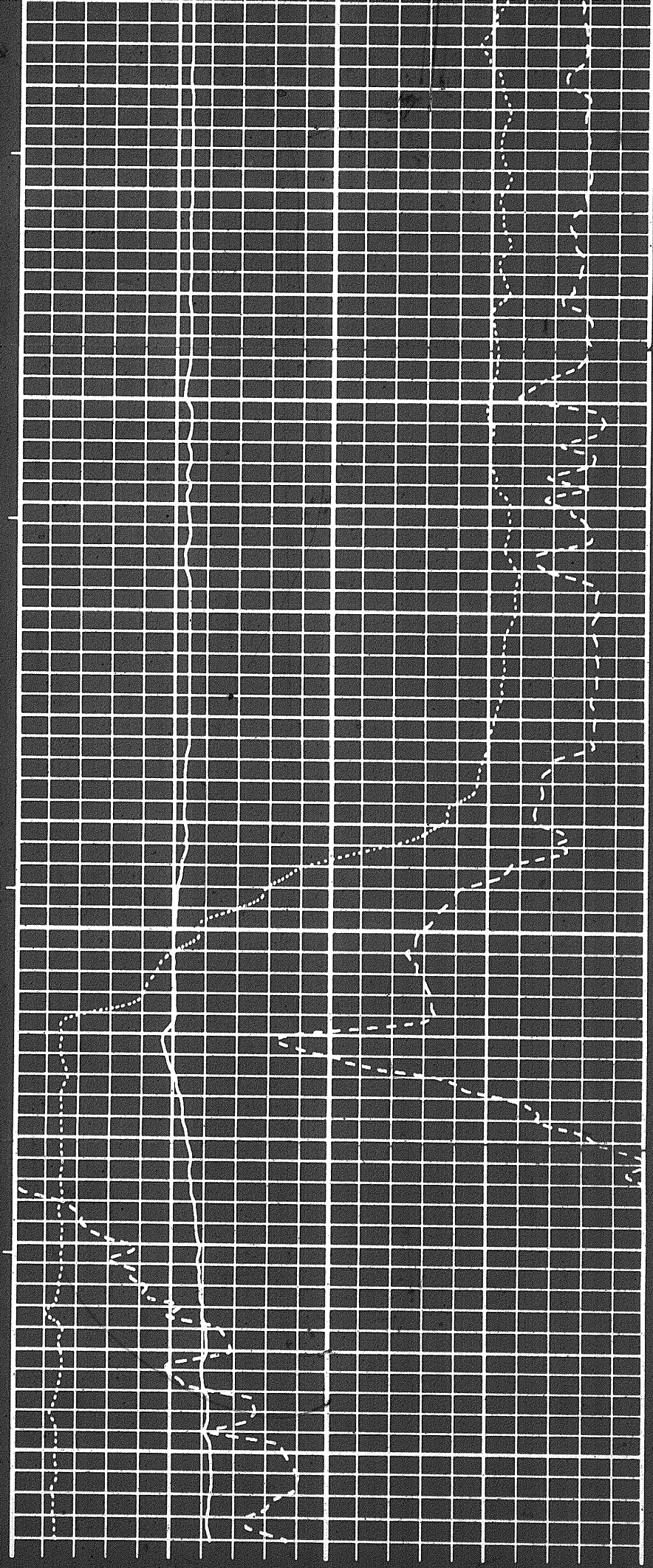




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3700



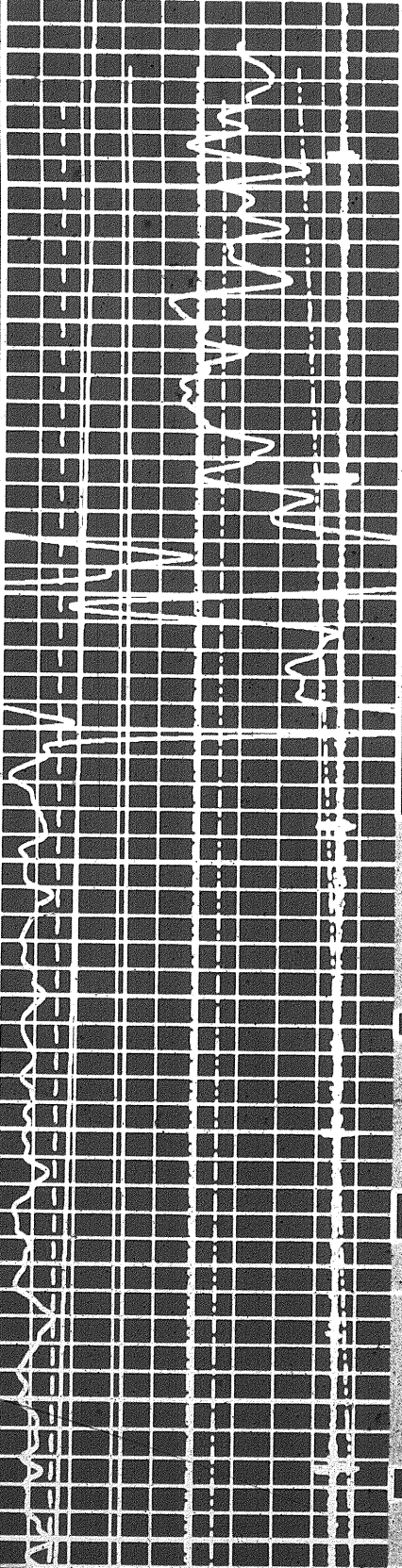
1998-07-29 17:20
 0.00 DCCL 100.00
 0.00 LAMPD 100.00

150.00 TE1(DEG)C 200.00
 0.00 TE2(DEG)C 4.00

3700

1998-07-29 17:20		
0.00	DCCL	100.00
0.00	LNBPD	100.00
0.00	TENS	2000.00
0.00	GR	150.00
20000.00	PRESKPA	40000.00
0.00	PRESKPA2	500.00
-1000.00	DIFF PRES	1000.00
0.00	ELAPSED	60.00
R Pass No. 13		

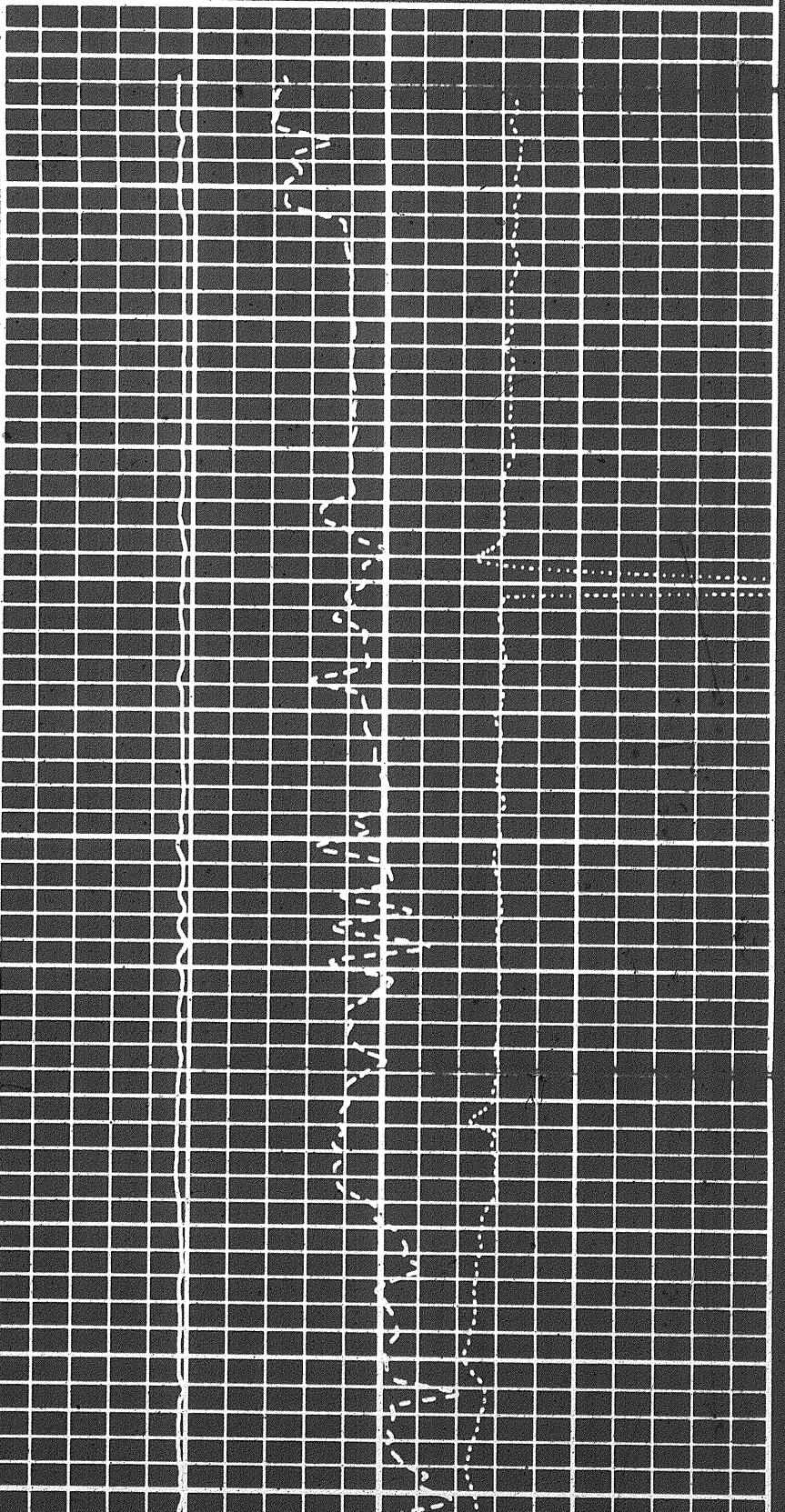
150.00	TE1(DEG)C	200.00
0.00	TE2(DEG)C	4.00
0.00	FLOW UP	20.00
20.00	FLOW DN	0.00
Logged up	File 'P13'	
FLOWING	670	ES13 GAS GAS

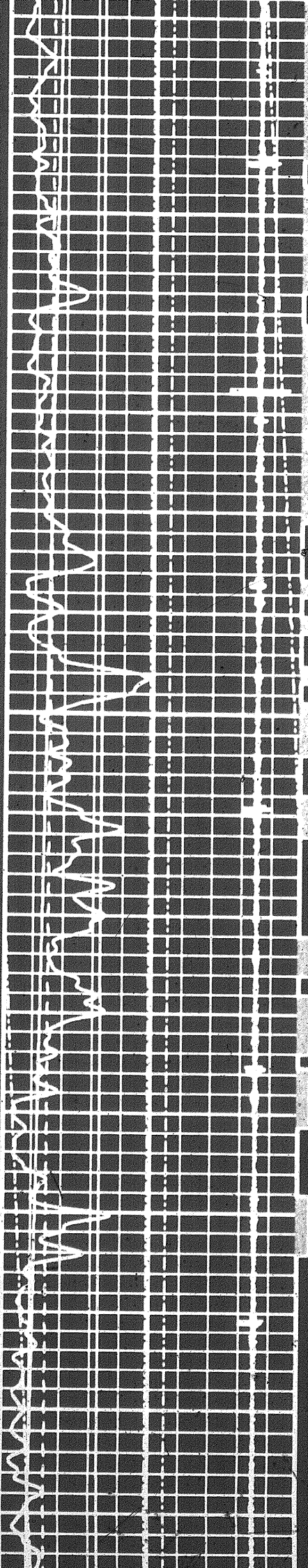


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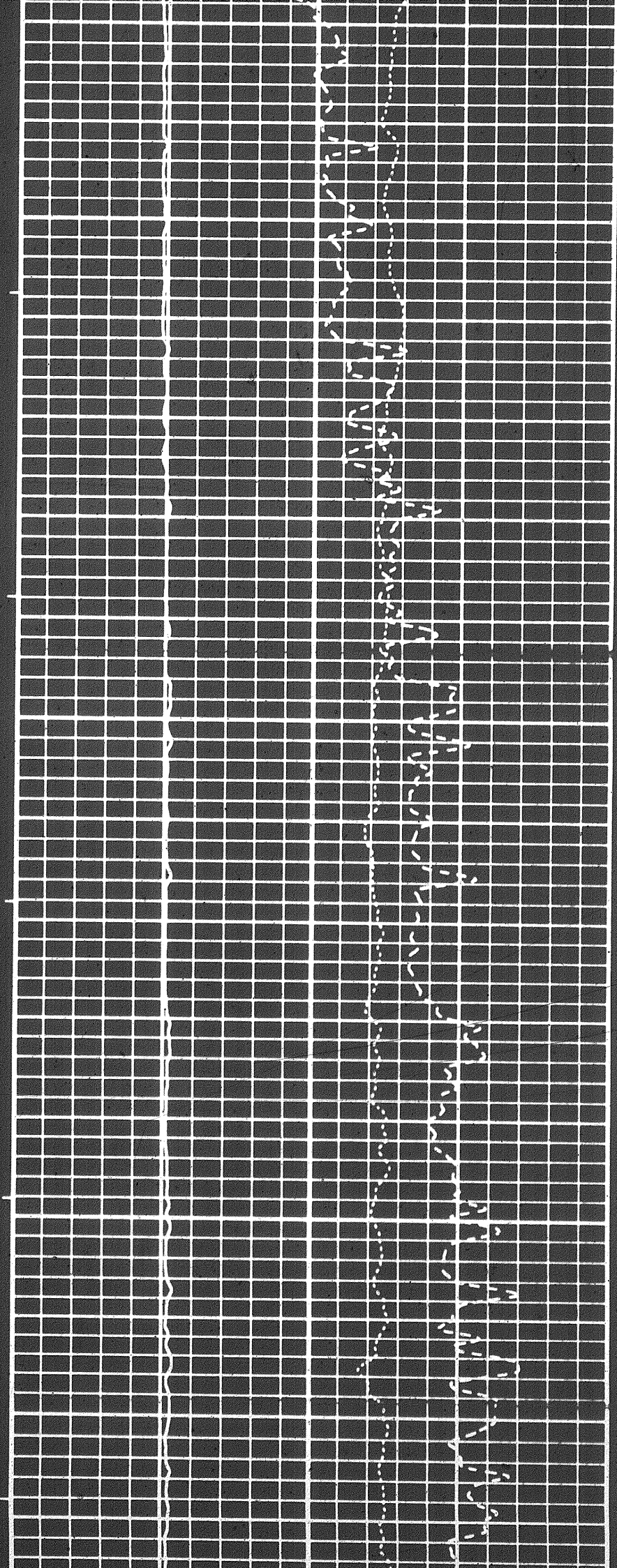


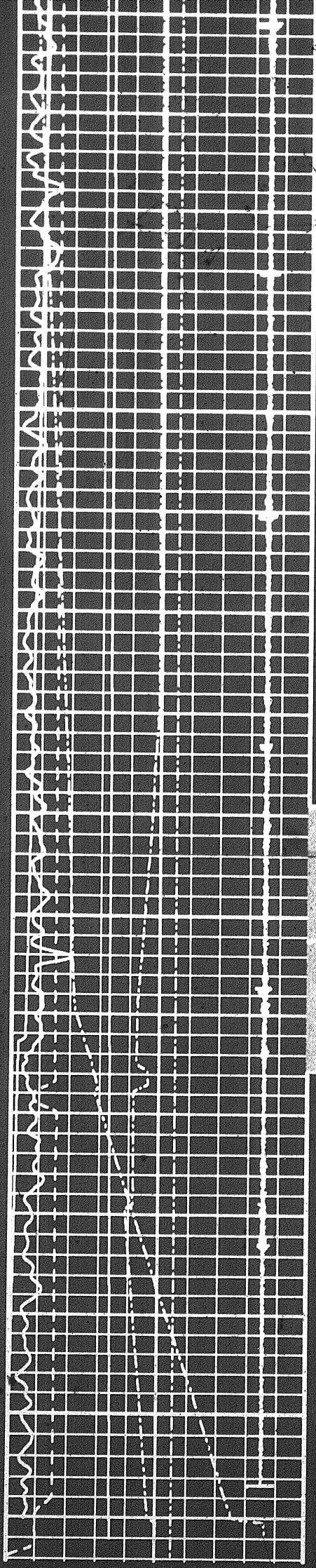


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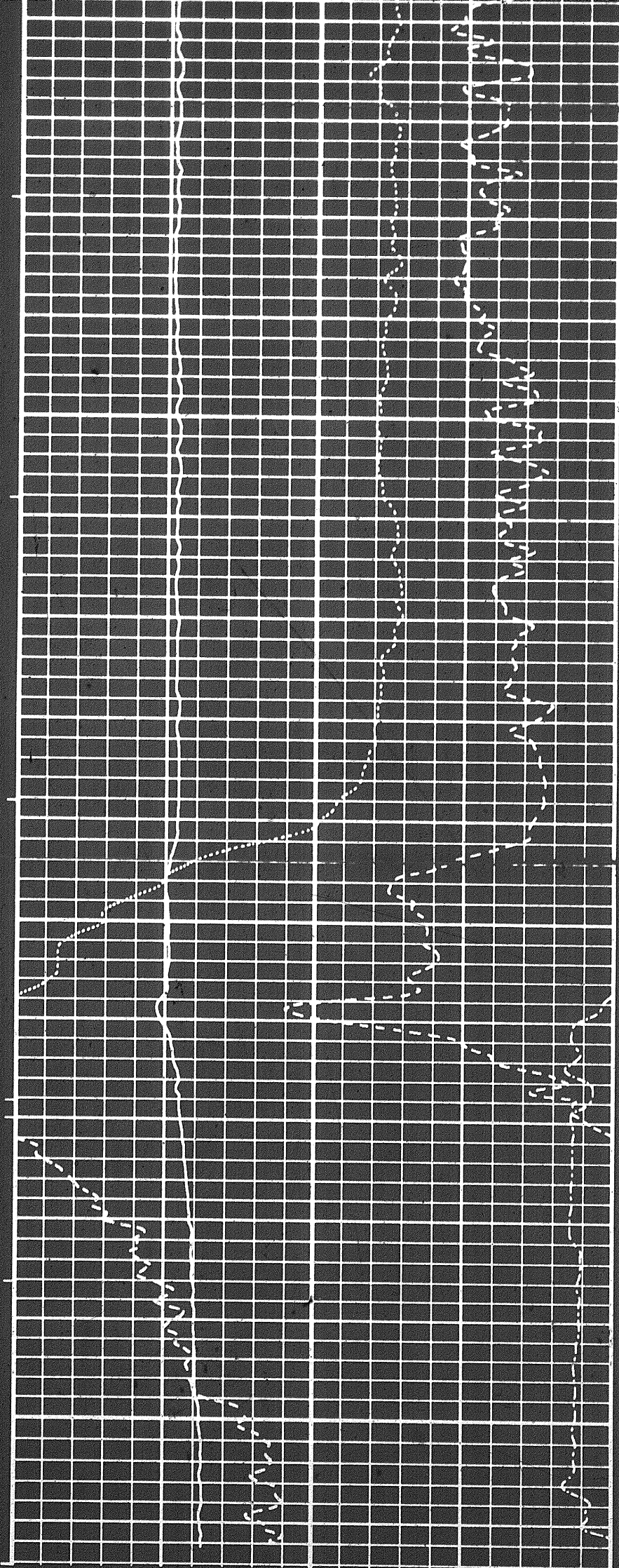


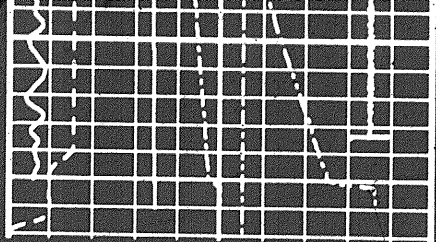


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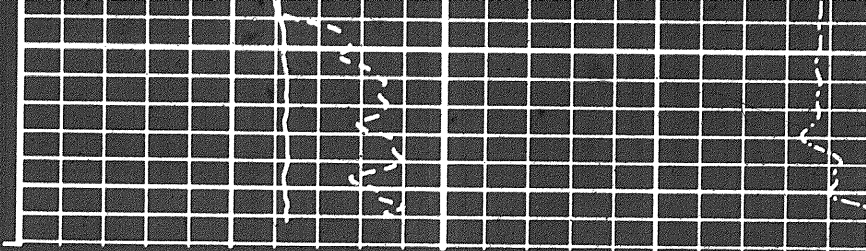
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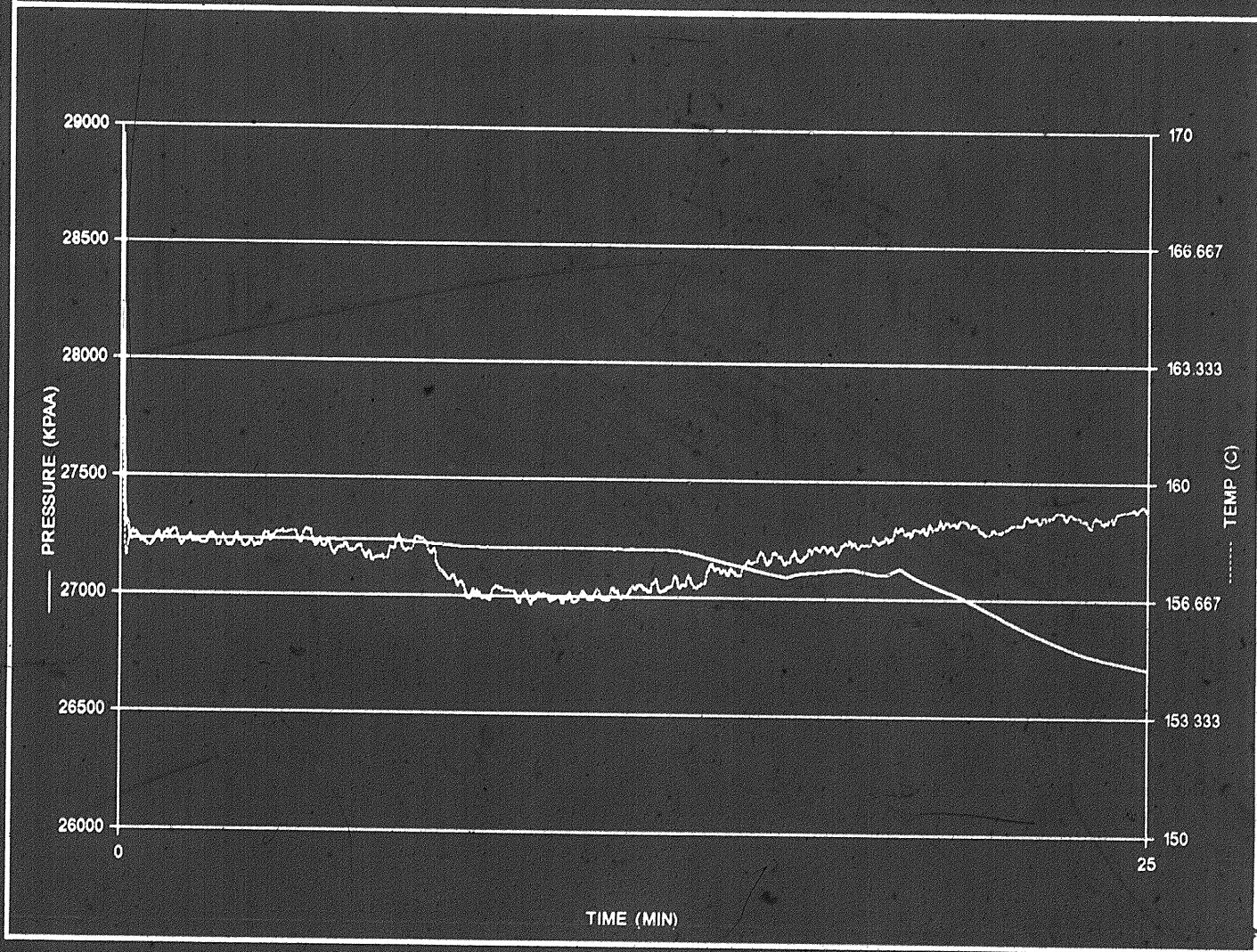




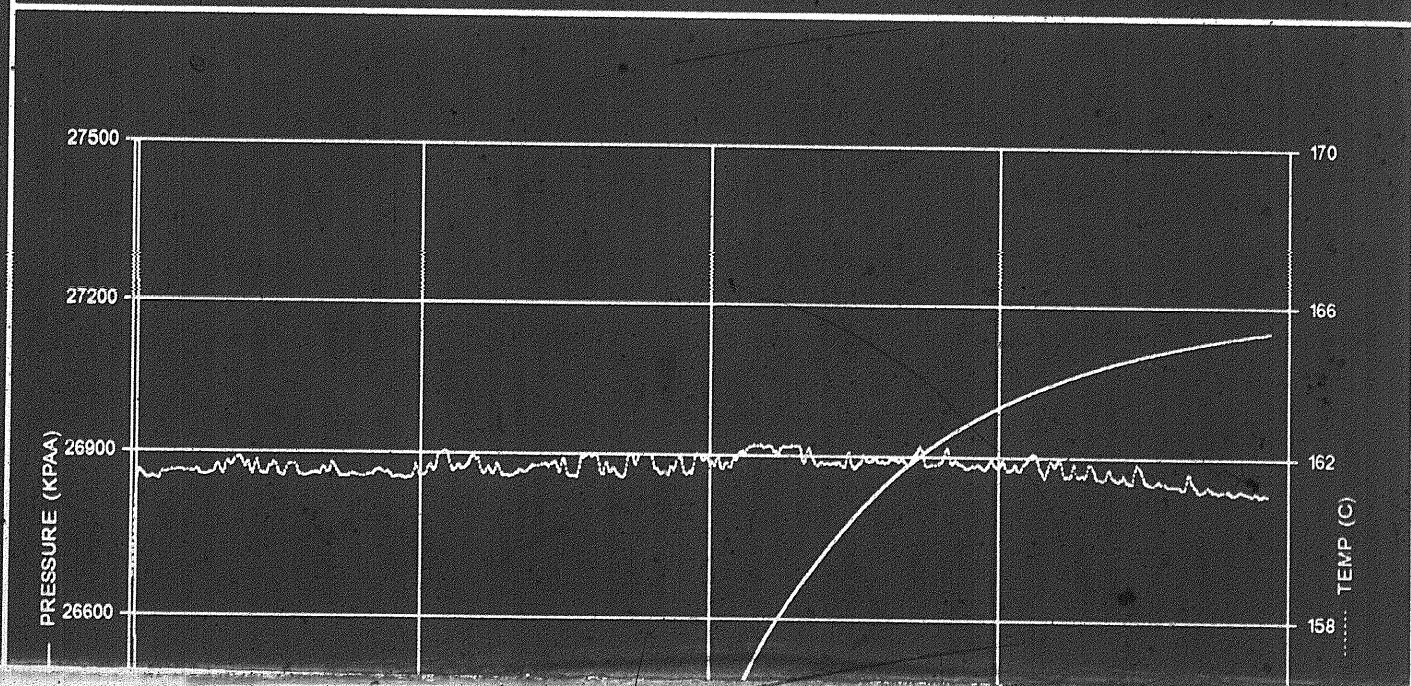
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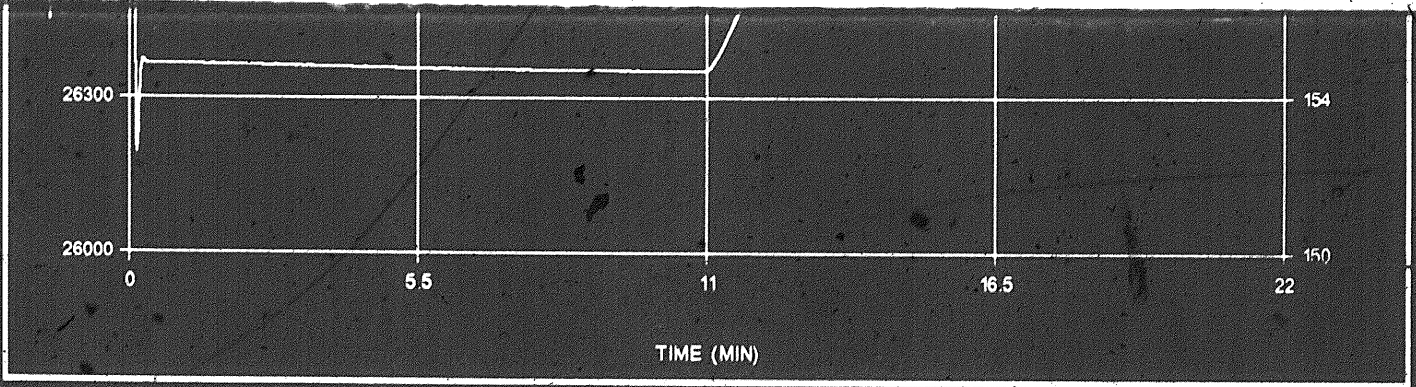


START PRODUCTION AT MPP



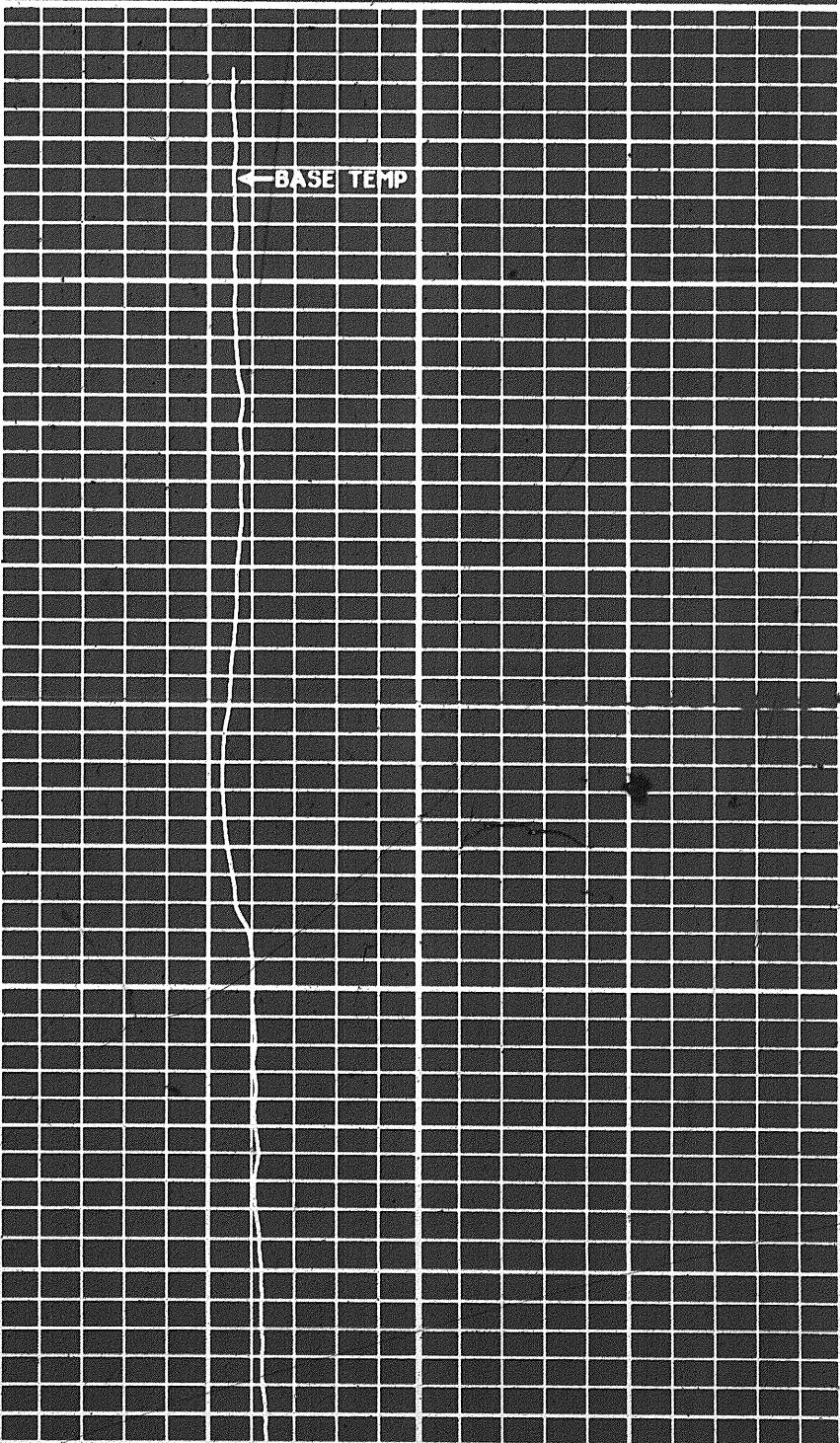
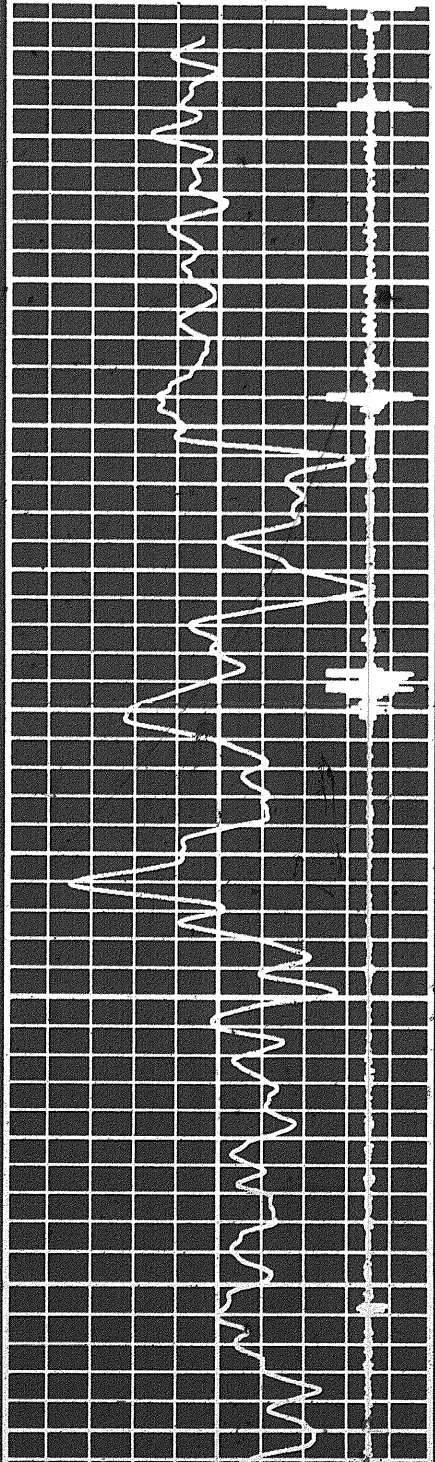
SHUT IN PRODUCTION (MPP)

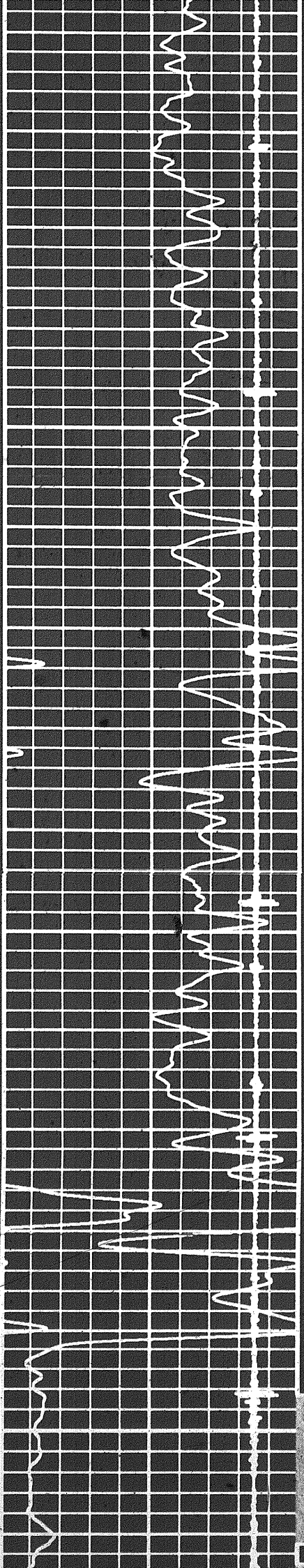




1998-07-29 21:36
 0.00 DCCL 100.00
 0.00 GR 150.00
 R Pass No. 0

150.00 TEMP 1 C 175.00
 150.00 TEMPIO C 175.00
 150.00 - - - - - TEMP 12 C 175.00
 Logged down File 'TEMP'

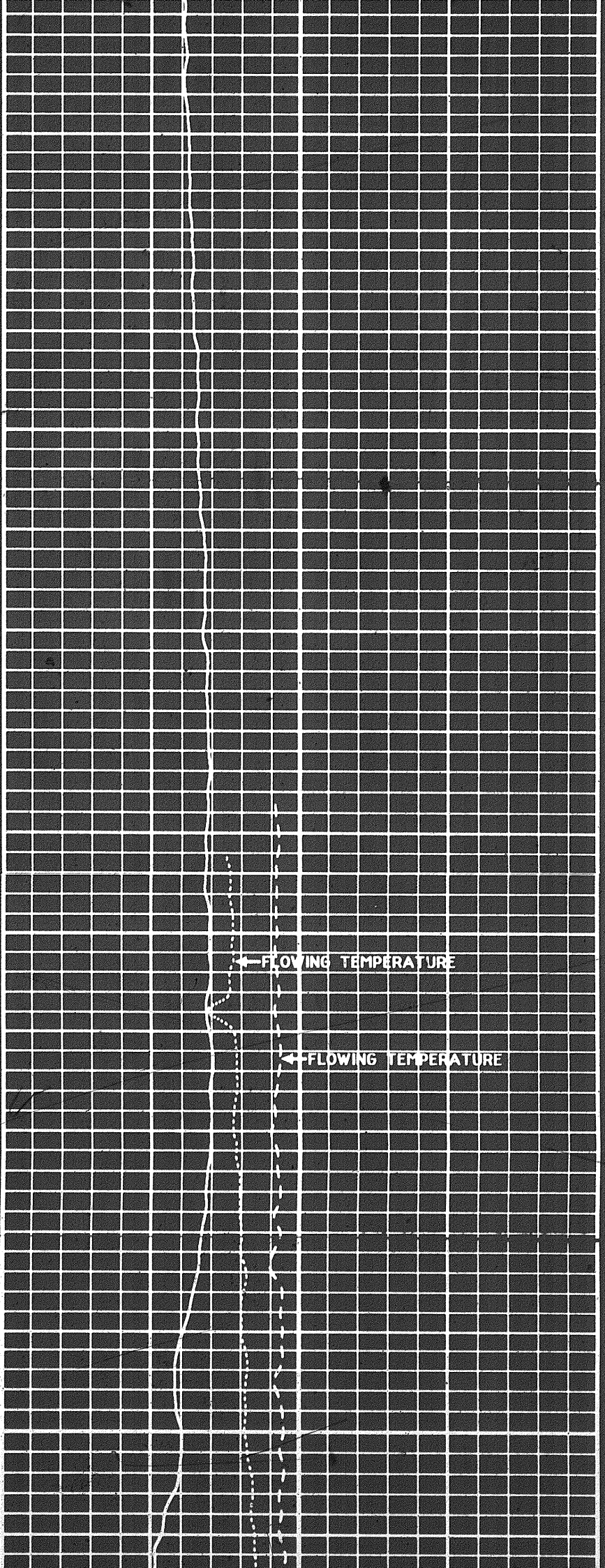




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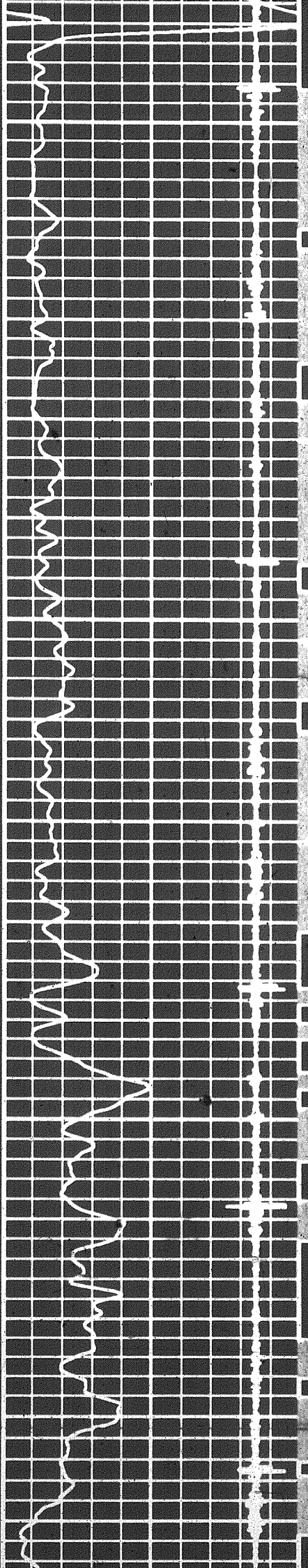
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← FLOWING TEMPERATURE

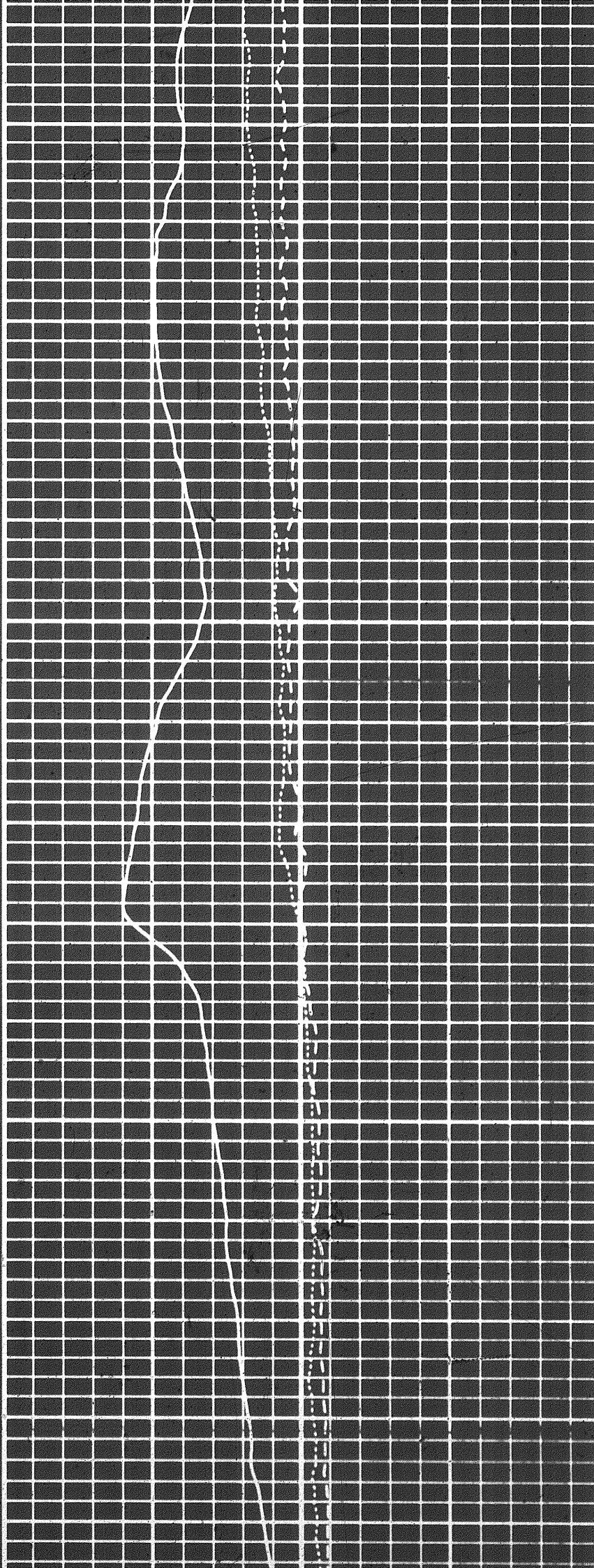
← FLOWING TEMPERATURE

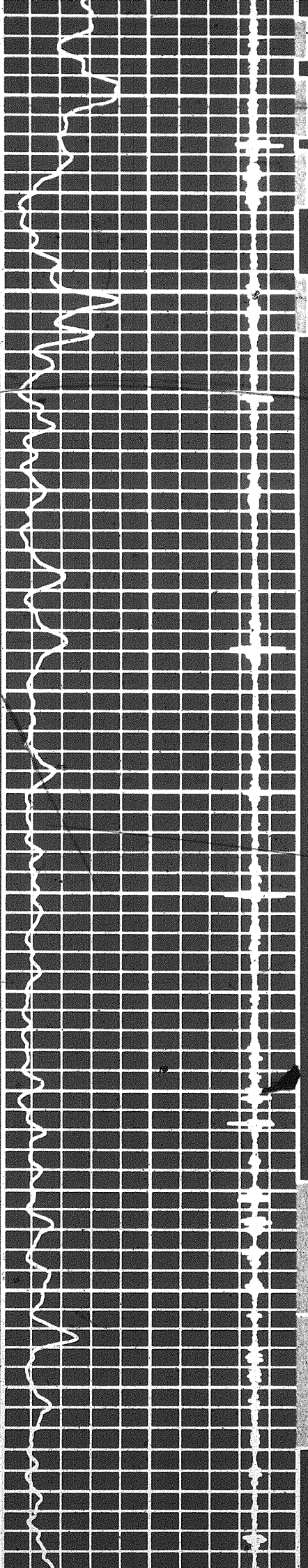


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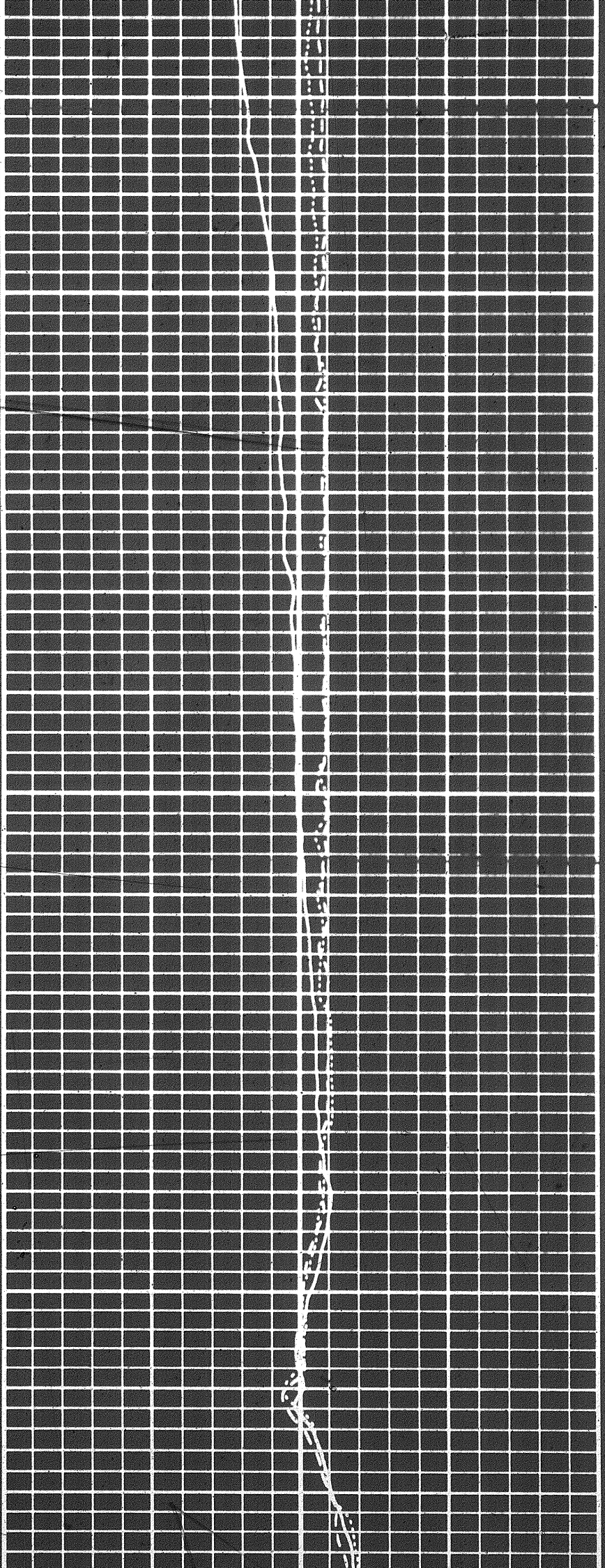


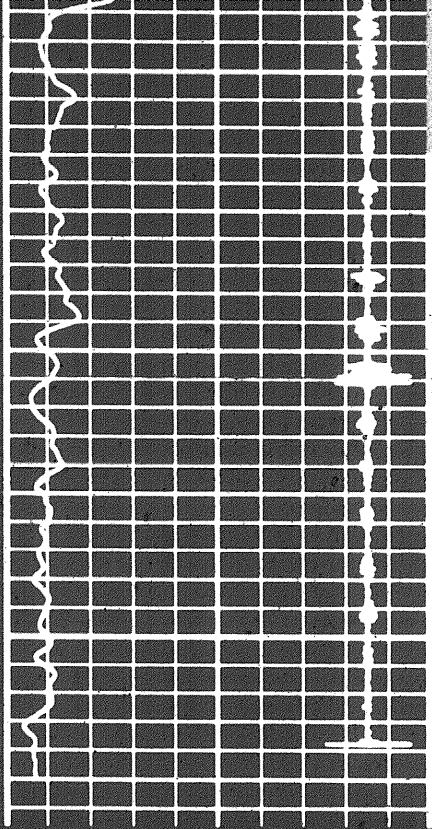


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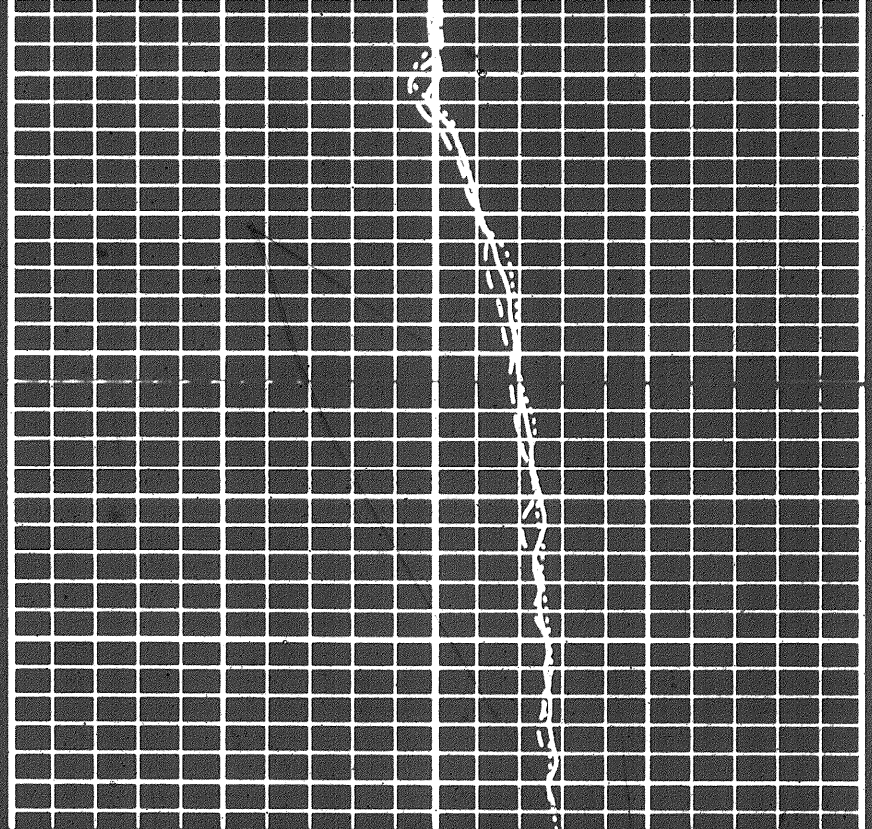
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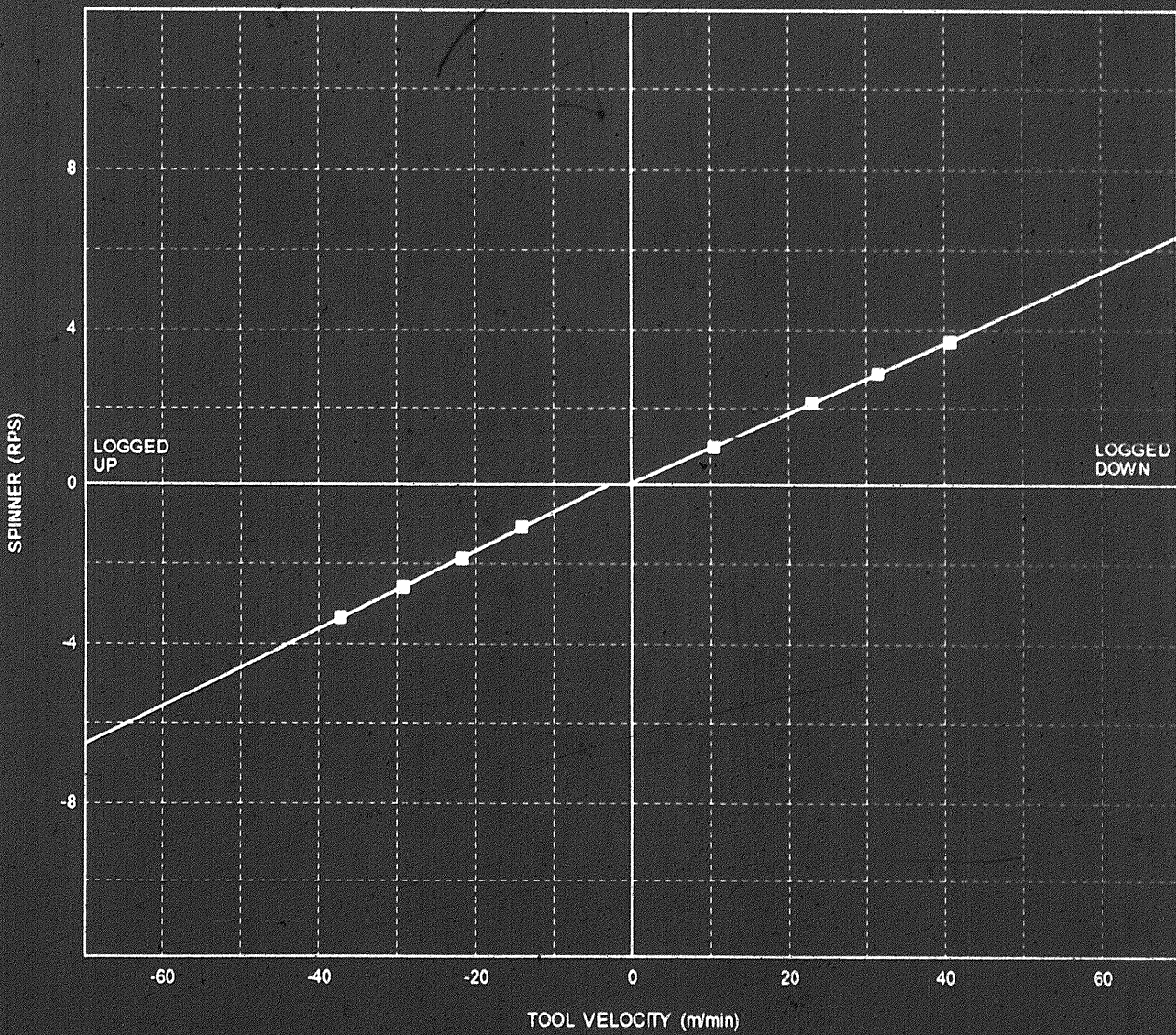




3700



SPINNER RESPONSE



INTERVAL	BU	BD	VU	VD	FITU	FITD
■	098	090	-2.94	-.66	1.000	1.000

INTERVAL	FILE	FEOM(m)	TO(m)	TOOL V(m/min)	RPS
----------	------	---------	-------	---------------	-----

-60 -40 -20 0 20 40 60

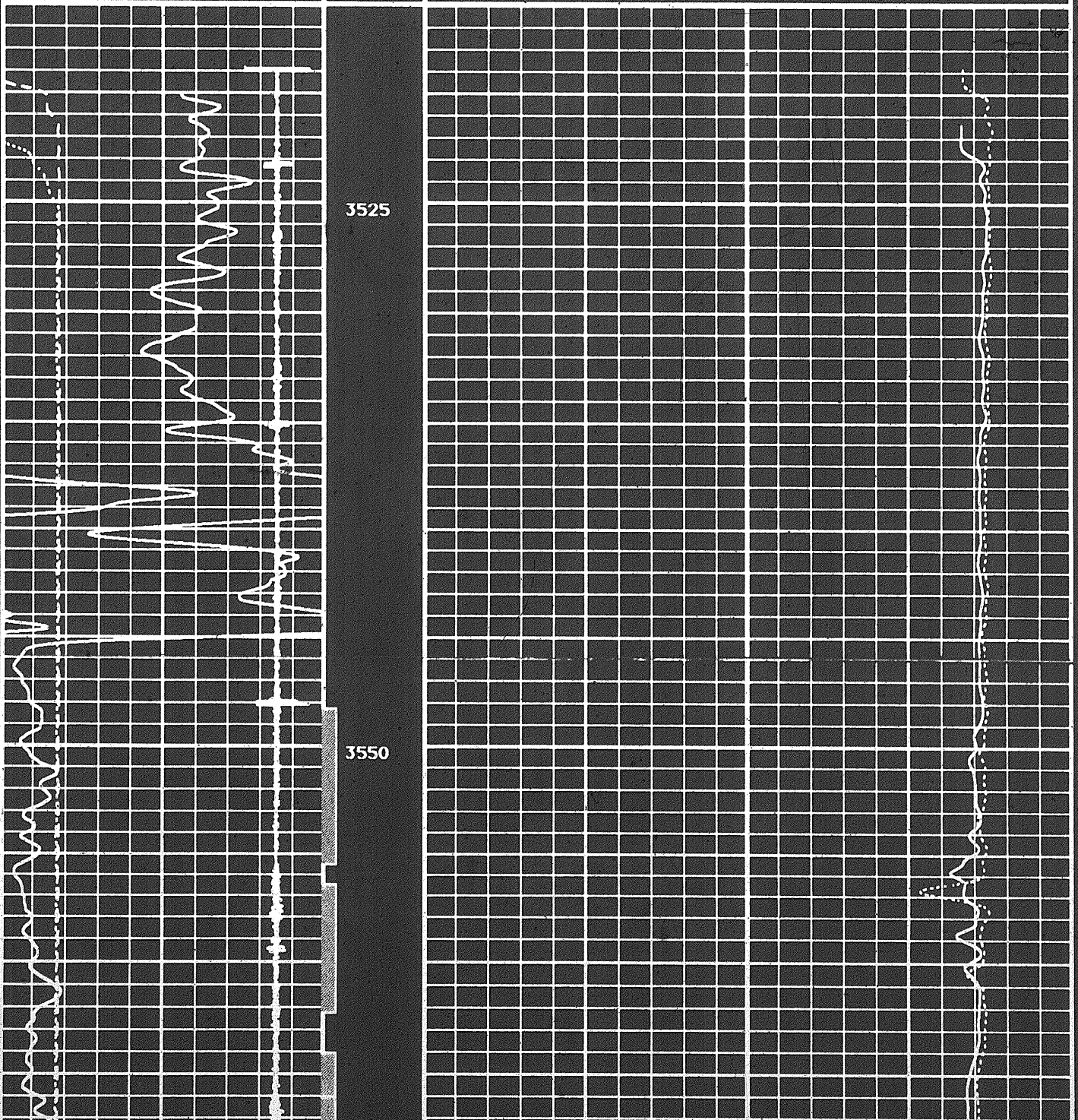
TOOL VELOCITY (m/min)

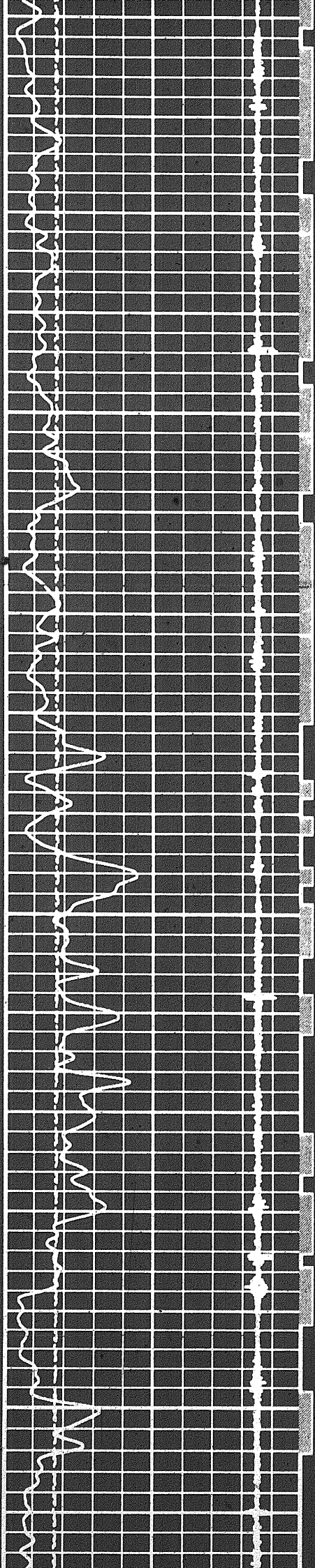
INTERVAL BU BD VU VD FITU FTD
 ■ 098 .090 -2.94 -66 1000 1000

INTERVAL	FILE	FROM(m)	TO(m)	TOOL V(m/min)	RPS
■	P7	3497.00	3503.00	10.6	1.0
■	P8	3535.00	3545.00	-37.2	-3.3
■	P7	3510.00	3520.00	23.1	2.2
■	P8	3555.00	3565.00	-29.1	-2.6
■	P7	3525.00	3540.00	31.5	2.9
■	P8	3575.00	3585.00	-21.8	-1.9
■	P7	3575.00	3585.00	40.9	3.7
■	P8	3590.00	3600.00	-14.1	-1.1

1998-07-29 21:36
0.00 DCCL 100.00
0.00 LNSPD10 100.00
0.00 GR 150.00
0.00 LNSPD12 100.00
R Pass No. 0

-18.58 FLOW UP10 21.72
-18.56 FLOW UP12 21.44
Logged down File 'SPIN'
FLOWING 670 E3M3 GAS GAS

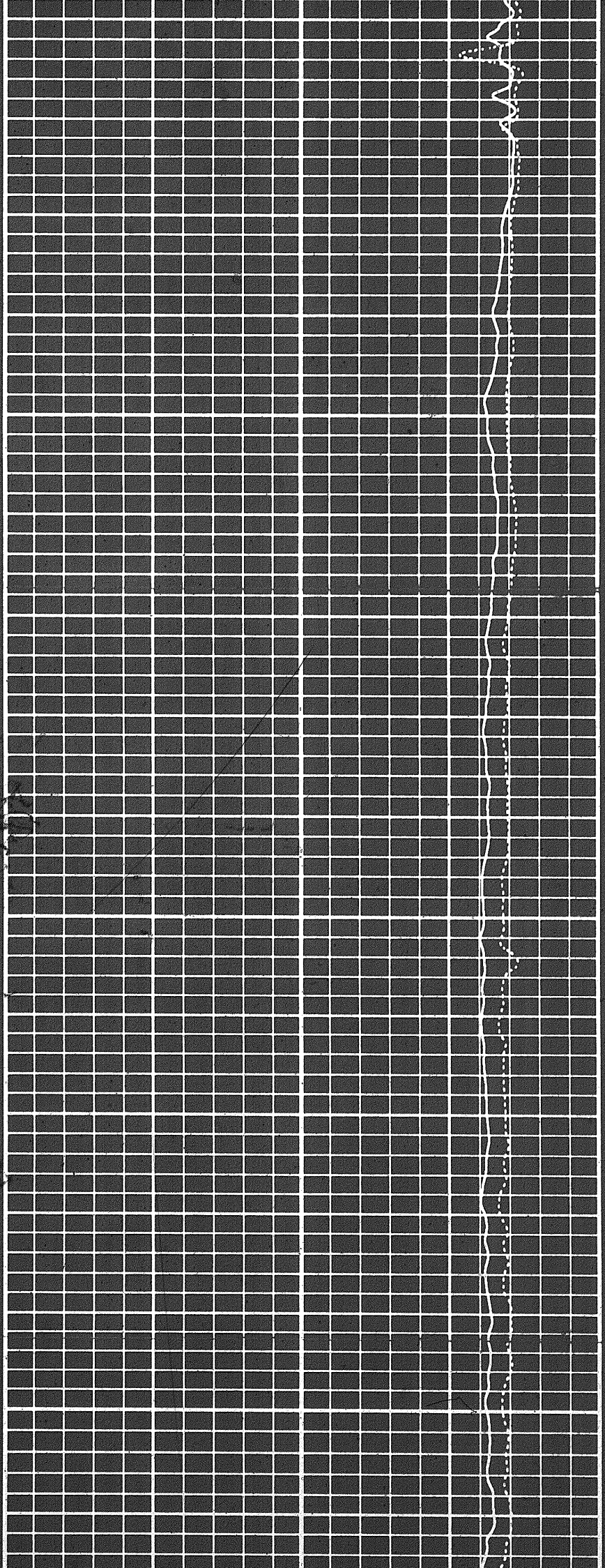


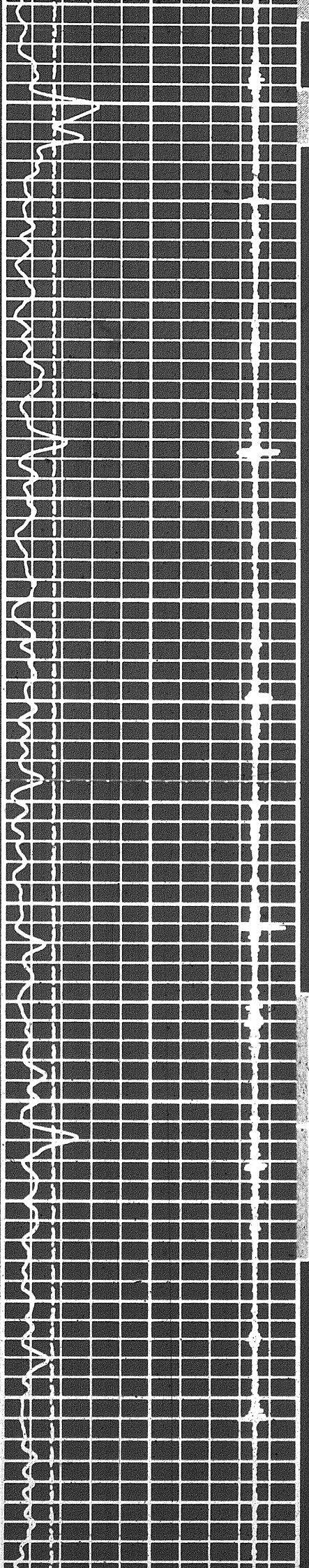


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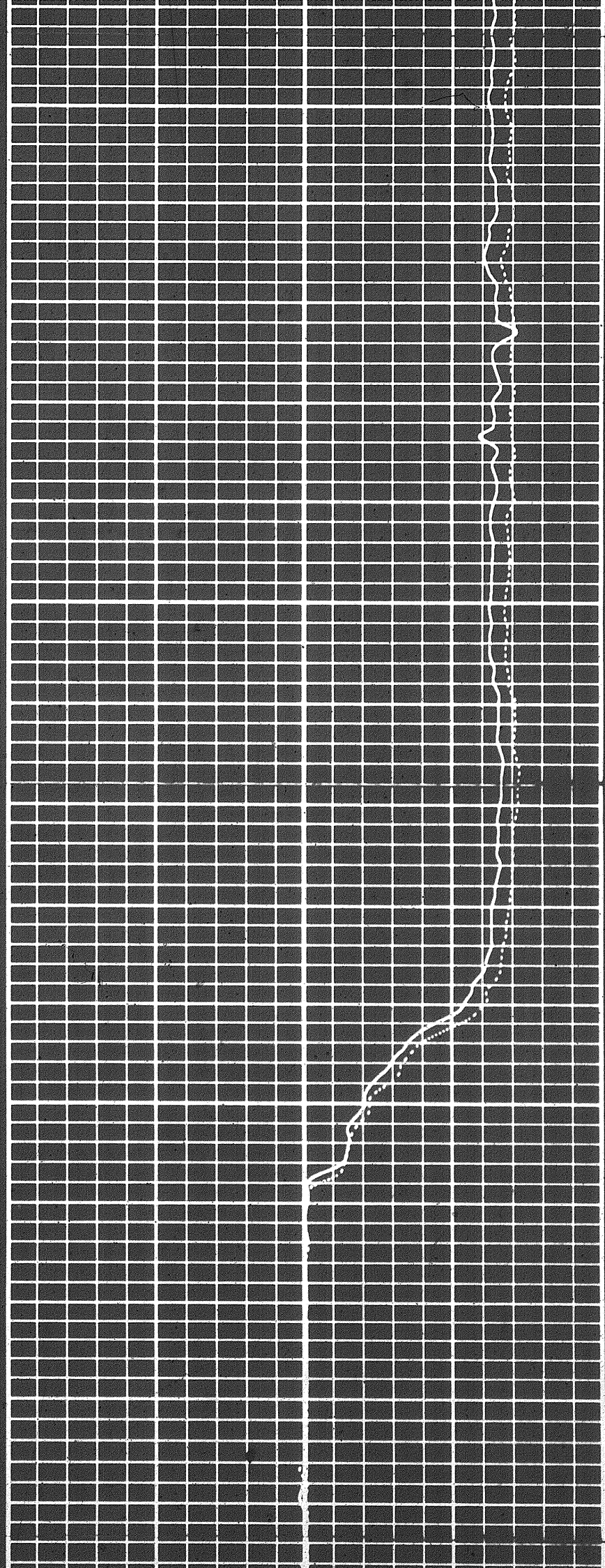


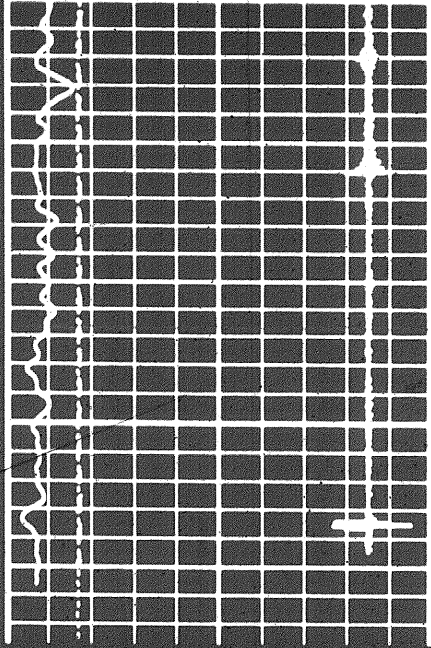


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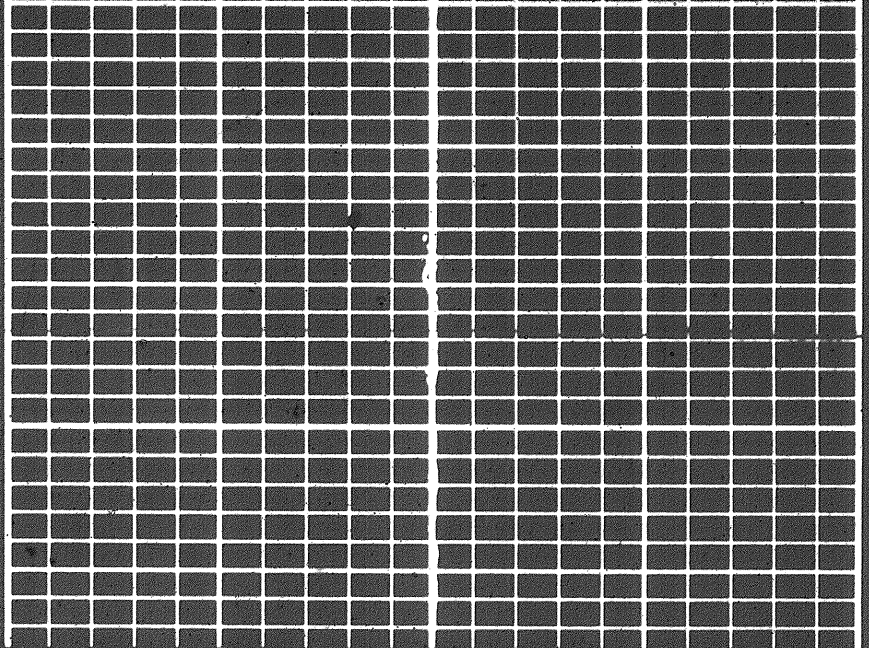
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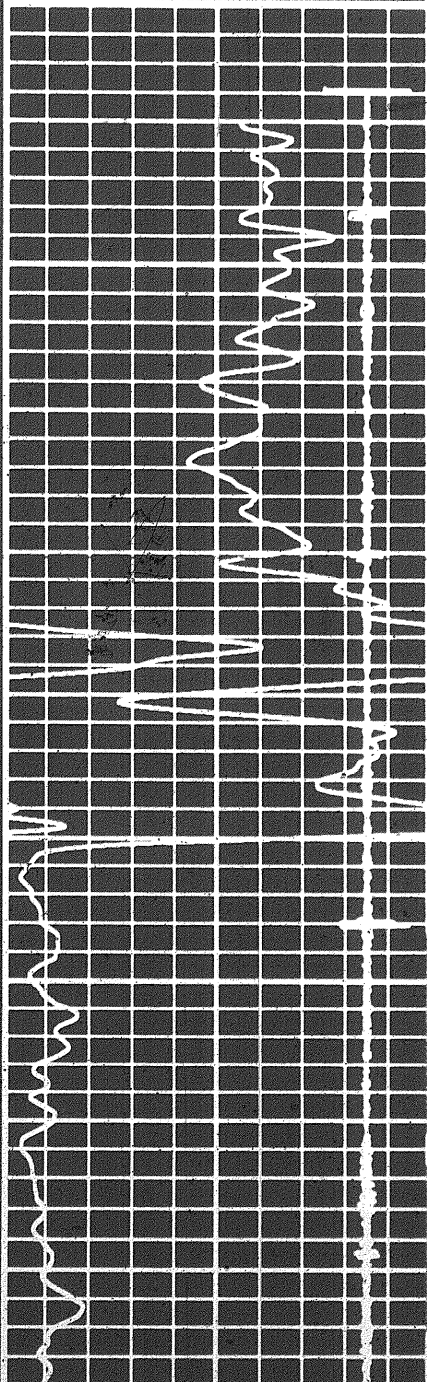


3700

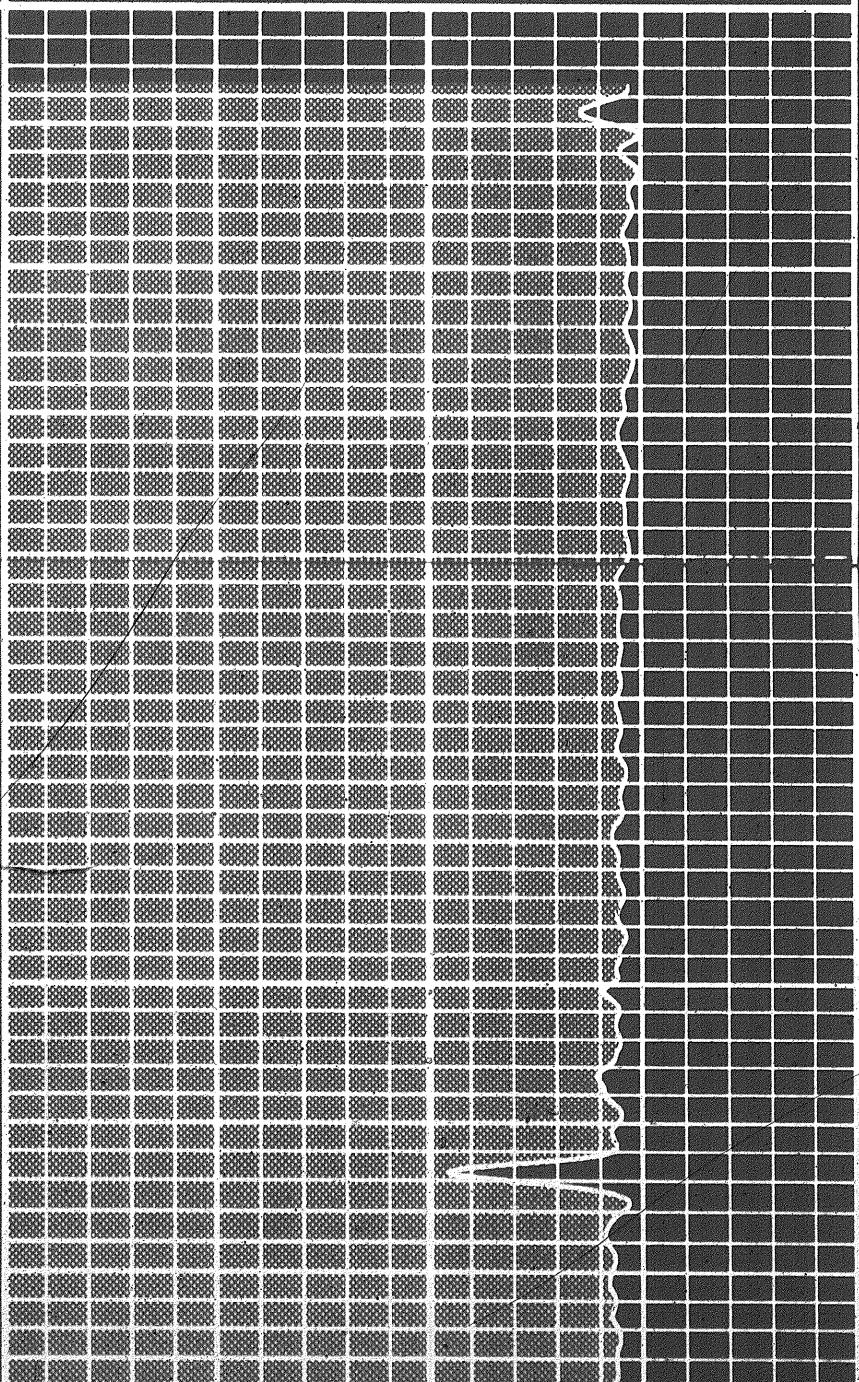


1998-07-29 21:39		
0.00	DCCL	100.00
0.00	GR	150.00
R Pass No. 0		

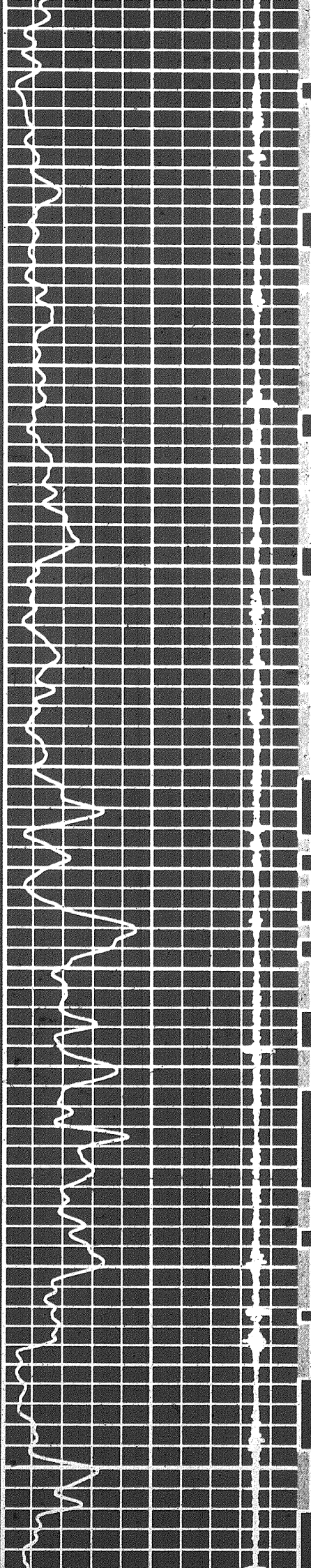
0.00	Q TOTAL			1000.00
Logged down	File 'PRO'			
FLOWING	670	E3M3	GAS	GAS



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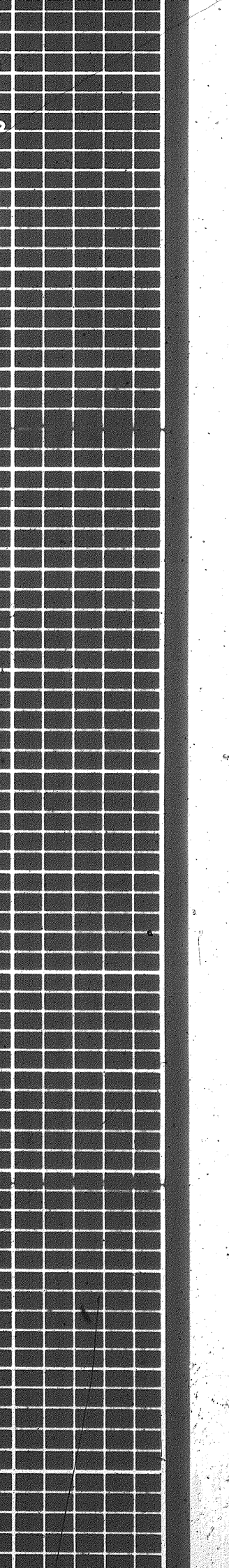
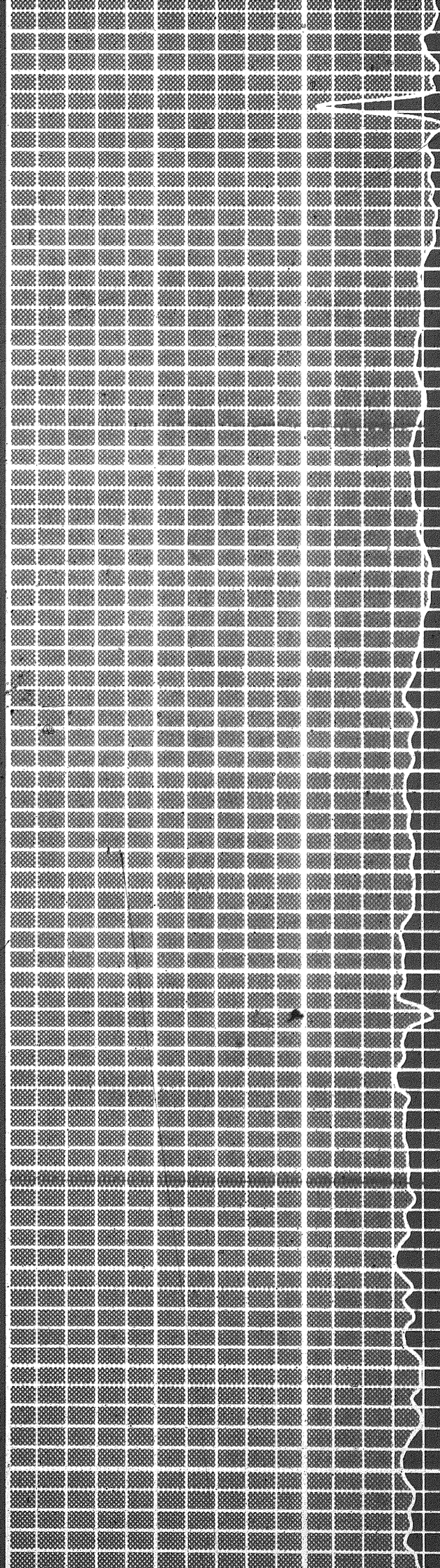
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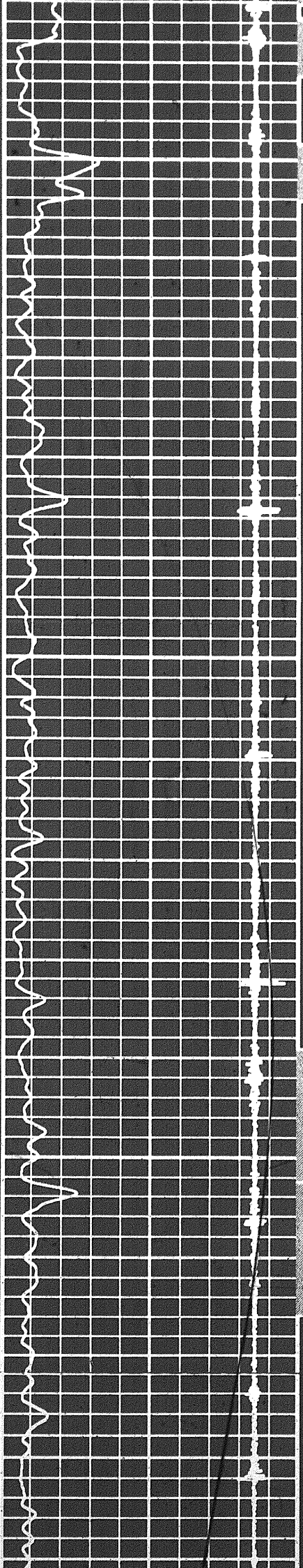


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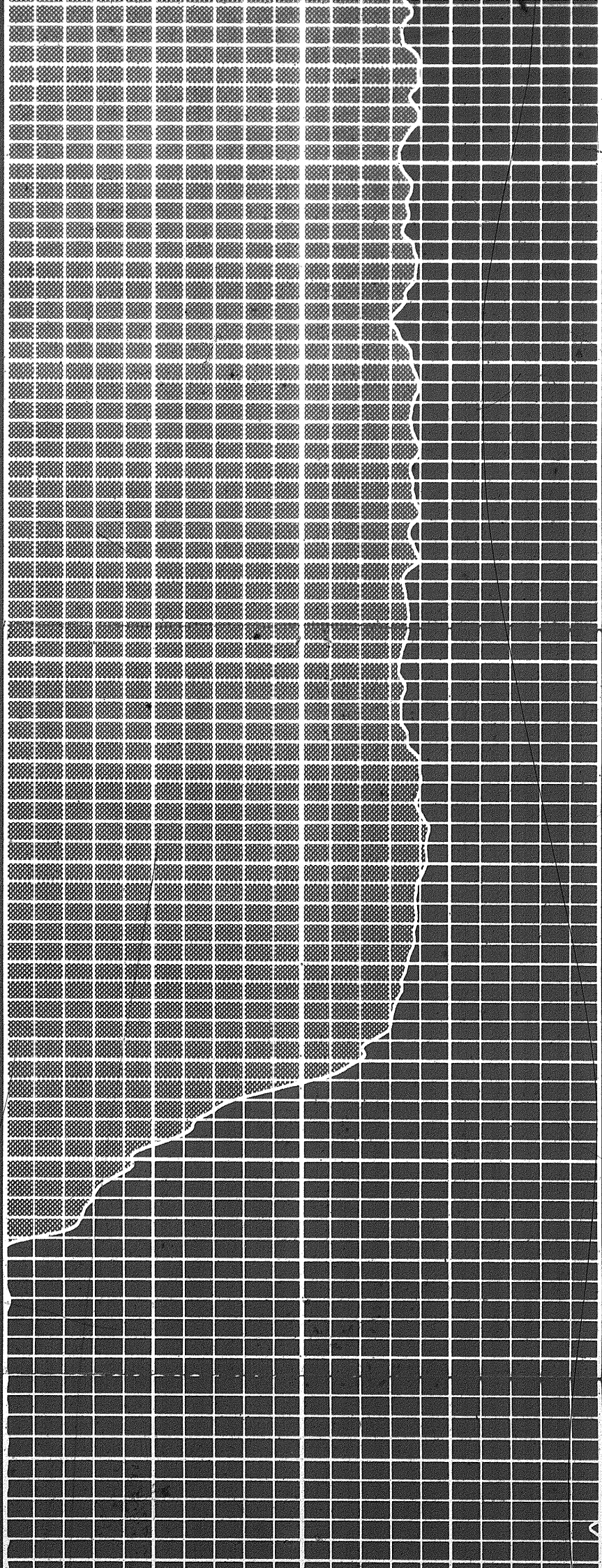


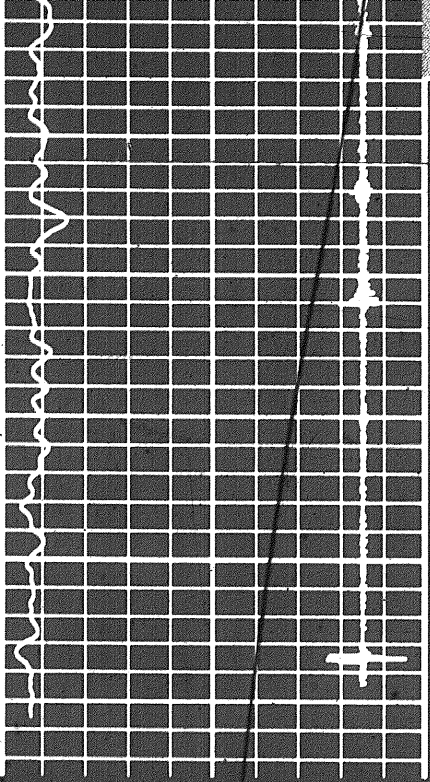


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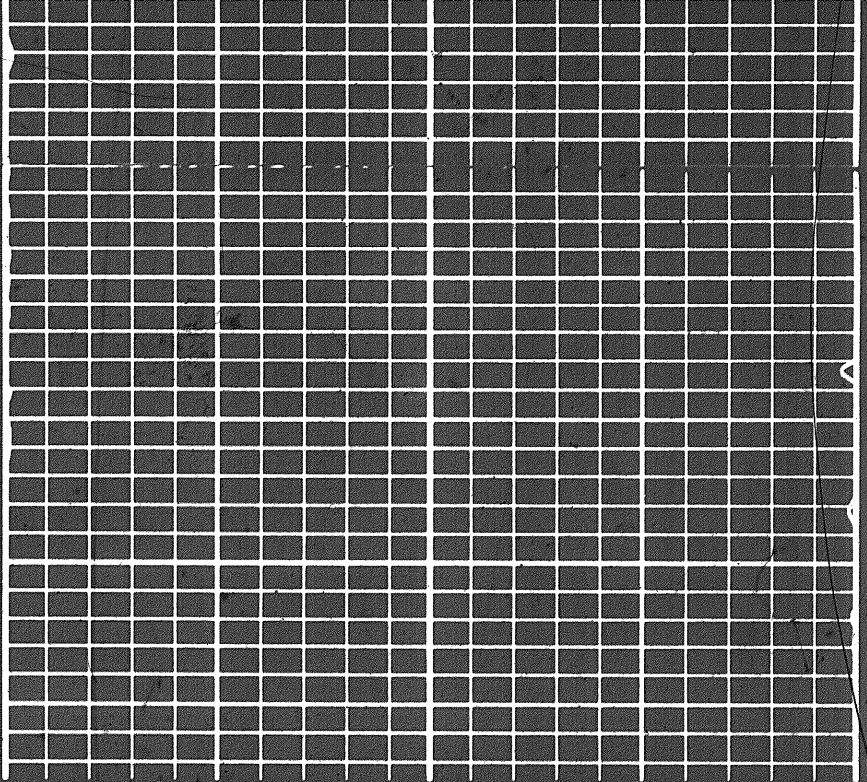
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OBJECTIVE: TO DETERMINE PRODUCTION PROFILE,
TO DETERMINE IF CROSSFLOW IS PRESENT.

METHOD: A PRODUCTION LOGGING STRING INCLUDING A GR/CCL FOR DEPTH CONFORMATION,
A TEMPERATURE TOOL TO HELP DETERMINE TEMP PROFILE,
A PRESSURE TOOL TO DETERMINE STABLE PRODUCTION,
AND A SPINNER TO DETERMINE THE PROFILE WERE USED TO MEET THE OBJECTIVE.

CONCLUSIONS: THE SPINNER SHOWS THAT NO CROSSFLOW IS PRESENT,
THE SPINNER ALSO SHOWS THAT 95 PERCENT OF THE PRODUCTION IS
ENTERING THE PERFORATIONS FROM 3670 TO 3680 MKB,
5 PERCENT IS ENTERING IN THE TOP 25 METERS OF PERFORATIONS.



COMPANY-	ANDERSON OIL & GAS INC.	FR 3690.0
WELL-	COLUMBIA ET AL KOTANEELEE YT B-38	LR 3500.0
FIELD-	KOTANEELEE	Elev: KB 685.80
PROVINCE-	YUKON	GL 678.18

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