

TEMPERATURE
CCL LOG

COMPANY BILL BARRETT CORPORATION
WELL MILLER FEDERAL
24D-31-691
FIELD GIBSON GULCH
CNTY GARFIELD STATE CO

COMPANY BILL BARRETT CORPORATION
WELL MILLER FEDERAL 24D-31-691
FIELD GIBSON GULCH
COUNTY GARFIELD STATE COLORADO

LOCATION:
SHL: 2' FNL, 2437' FEL
BHL: 1140' FSL, 1998' FWL
SEC. 6 TWP. 7S RGE 91W
OTHER SERVICES:
NONE

PERM. DATUM GROUND LEVEL ELEV. 6266'
LOG MEASURED FROM K.B. 23 FT. ABOVE PERMANENT DATUM ELEV.: K.B. 6288'
D.RILLING MEASURED FROM KELLY BUSHING D.F. 6287'
G.L. 6266'

DATE	13-DEC-2010	APL:	05-045-18660
DEPTH DRILLER	ONE		
DEPTH LOGGER	7626'		
BIT. LOG INTERVAL	7538'		
TOP LOG INTERVAL	7538'		
OPEN HOLE SIZE	8.75"		
TYPE FLUID	WATER		
DENS.	8.3	0.00	
MAX. REC. TEMP.	F 186 DEG F		
EST. CEMENT TOP	2530'		
TIME WELL READY	ROA		
TIME LOGGER ON BIT.	SEE LOG		
EQUIP. NO.	14068		
LOCATION	GRAND JUNCTION		
RECORDED BY	A. MacPHERSON		
WITNESSED BY	JIM BOYD		
BOREHOLE RECORD		TUBING RECORD	
RUN NO.	BIT FROM	TO	SIZE WGT. FROM TO
TWO	8.750	768'	4246'
THREE	7.875	4246'	7625'
CASING RECORD		TOP	
SURFACE STRING	SIZE 9.625"	WT/FT 36	GRADE TYPE JOINT
PROT. STRING			
PROD. STRING	4.500"	11.6	SURF SURF
LINER			

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

REMARKS Rig: PATTERSON 313 Service Order # 167808
LOG RAN ON WIRELINE DEPTH WITH 23' K.B. BHT 168.0 °F
PLUG BUMPED @ 16:30 HRS ON 13-DEC-2010
ETOC OF 2530' REACHED @ 22:30 HRS ON 13-DEC-2010
LOG RAN BEFORE CASING WAS SET. SYSTEM SPIKE 3785'. Prints: 2
YOUR CREW TODAY IS: MANUEL COBO
THANK YOU FOR CHOOSING WEATHERFORD WIRELINE SRVC GRD. JUNCTION (790)263-8501

		EQUIPMENT DATA			
Bit Size	7.875"	Run No.	Tool Type	Tool No.	Other
Well Status	NEW DRILL	ONE	CCL	133	
Surface Pressure		ONE	TMPEB	133	
Shut In	Flowing				
ZERO	ZERO				

DEPTH SCALE: 1":100'

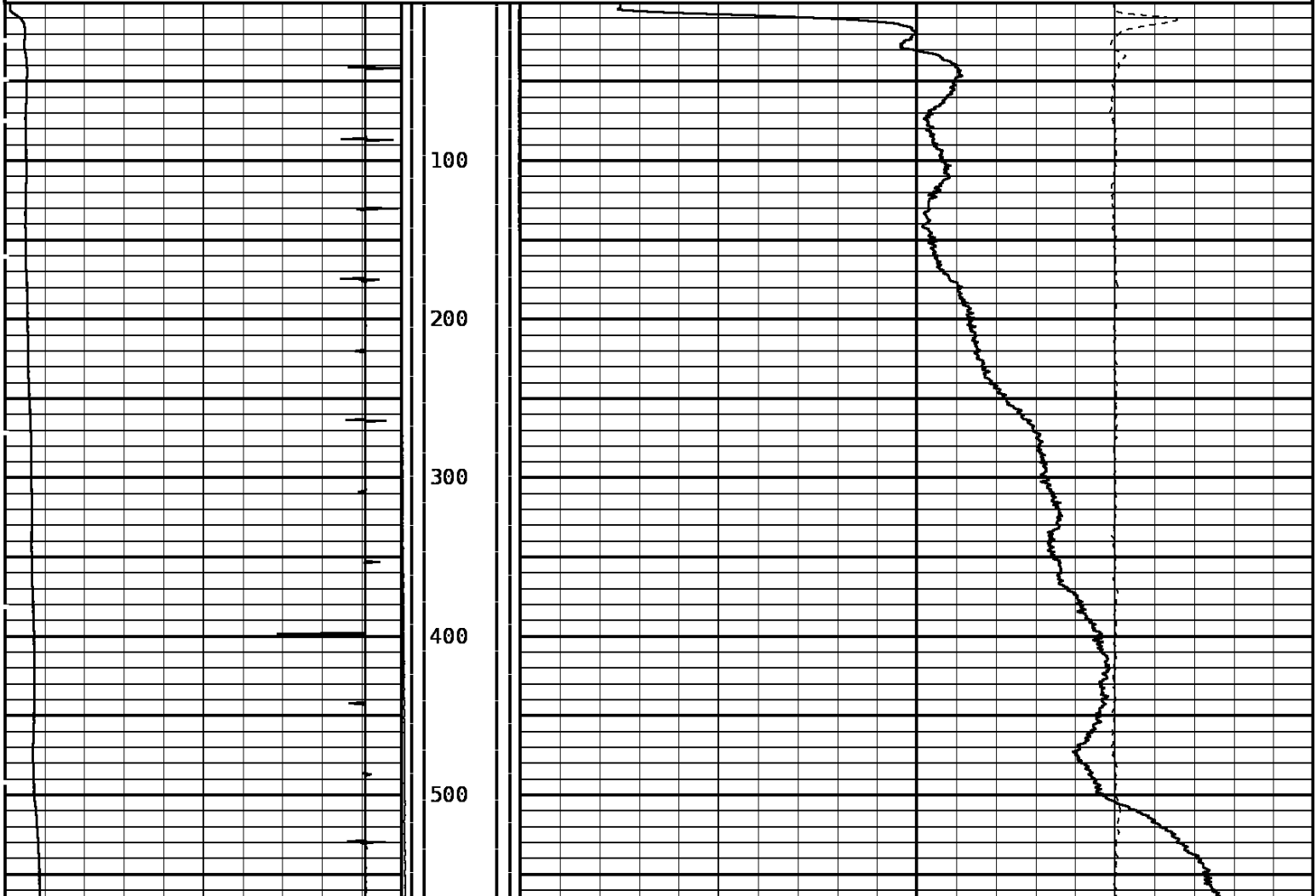
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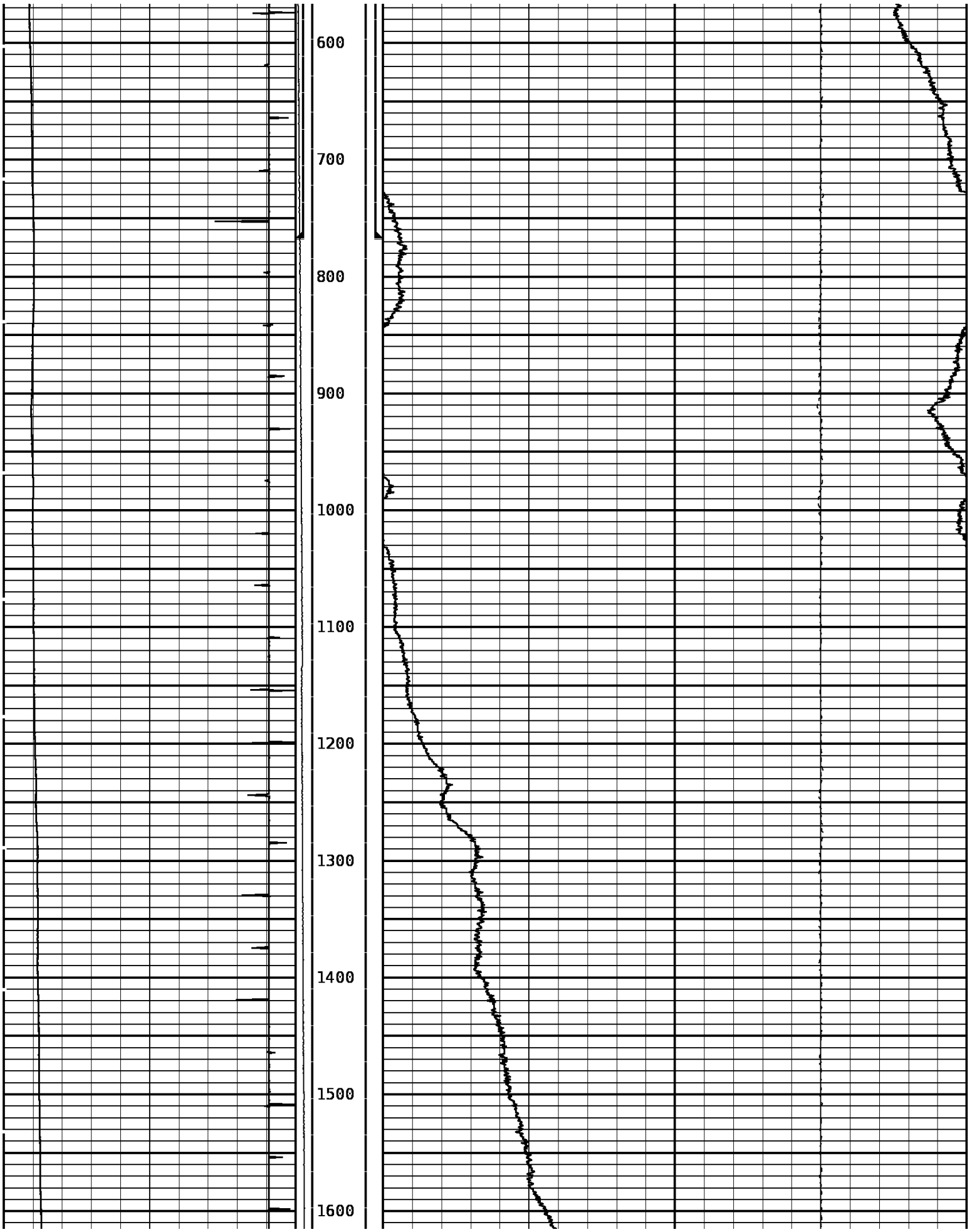
MAIN PASS

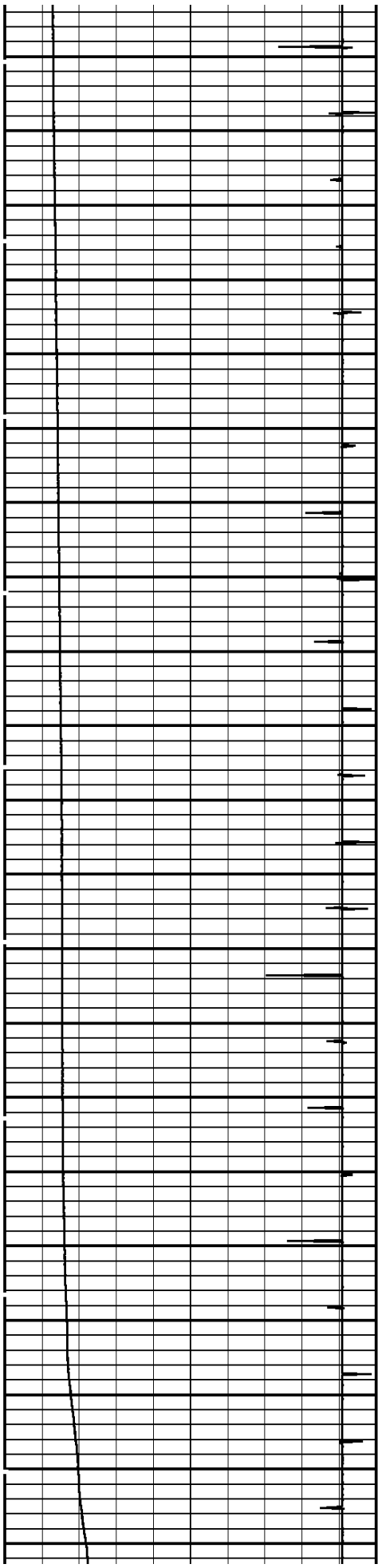
167808 TLTMP

FINISH DEPTH: 1.7 Feet DIRECTION: UP DATE: 12/13/2010 TIME: 23:04 MODE: TRACE PLAYBACK

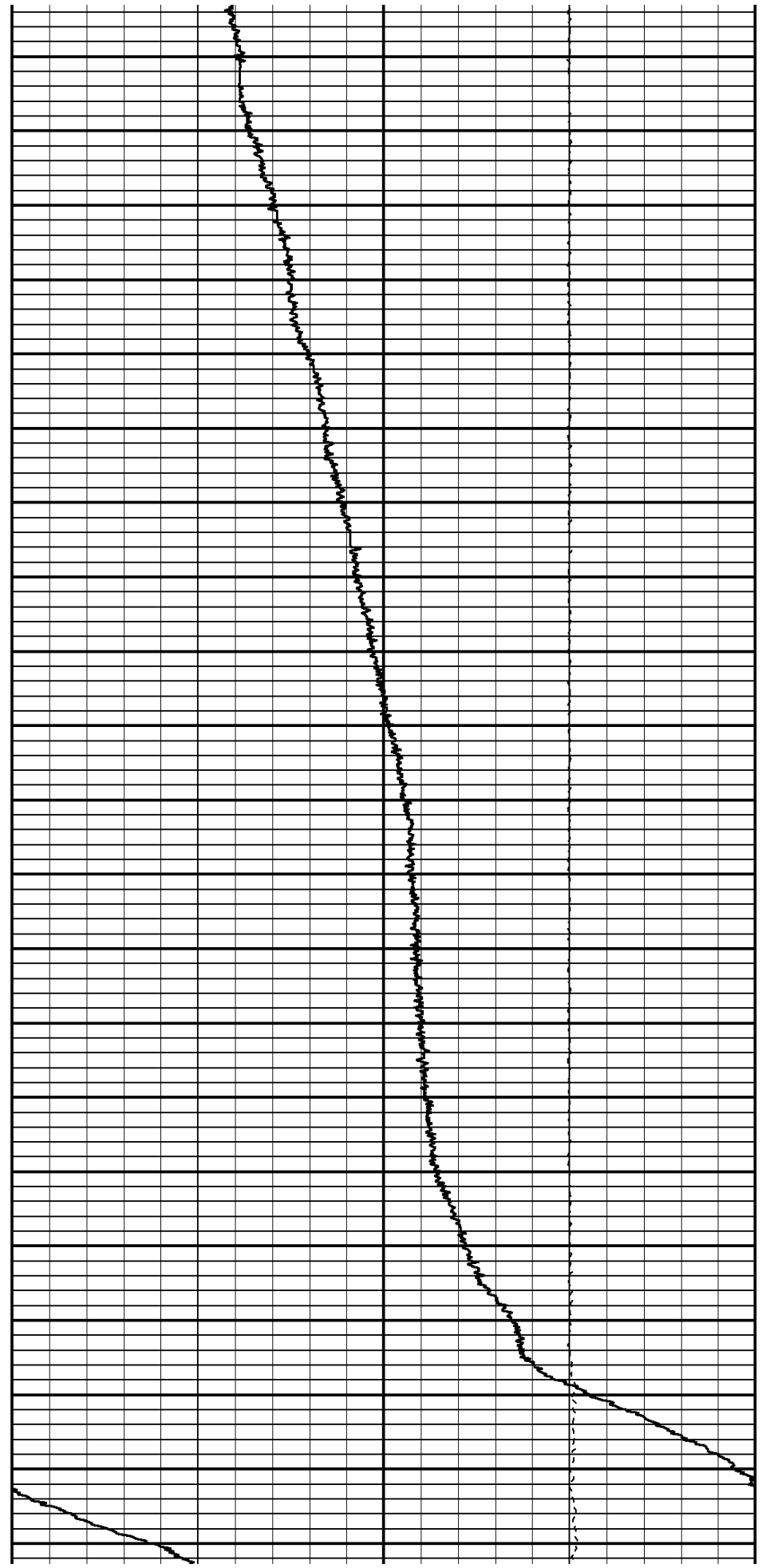
Collar Locator			DELTA TEMPERATURE		
-8000.0	Millivolts	800.0	-1.500	DegF/Foot	1.500
TEMPERATURE			Tension	AMP. TEMPERATURE	
60.0	DegreesFarenheit	260.0	0 1800 0.0	DegreesFarenheit 20.0	

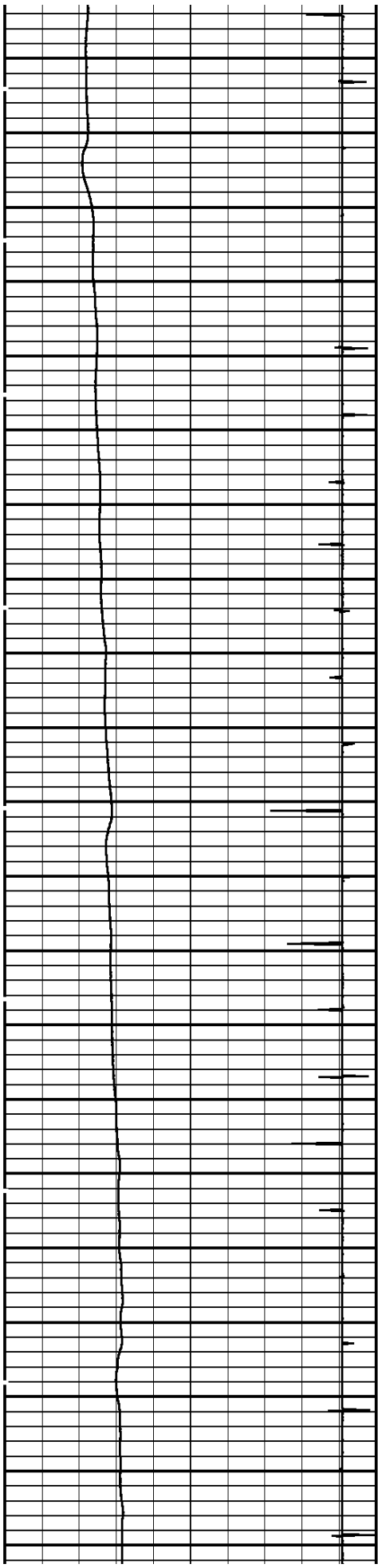




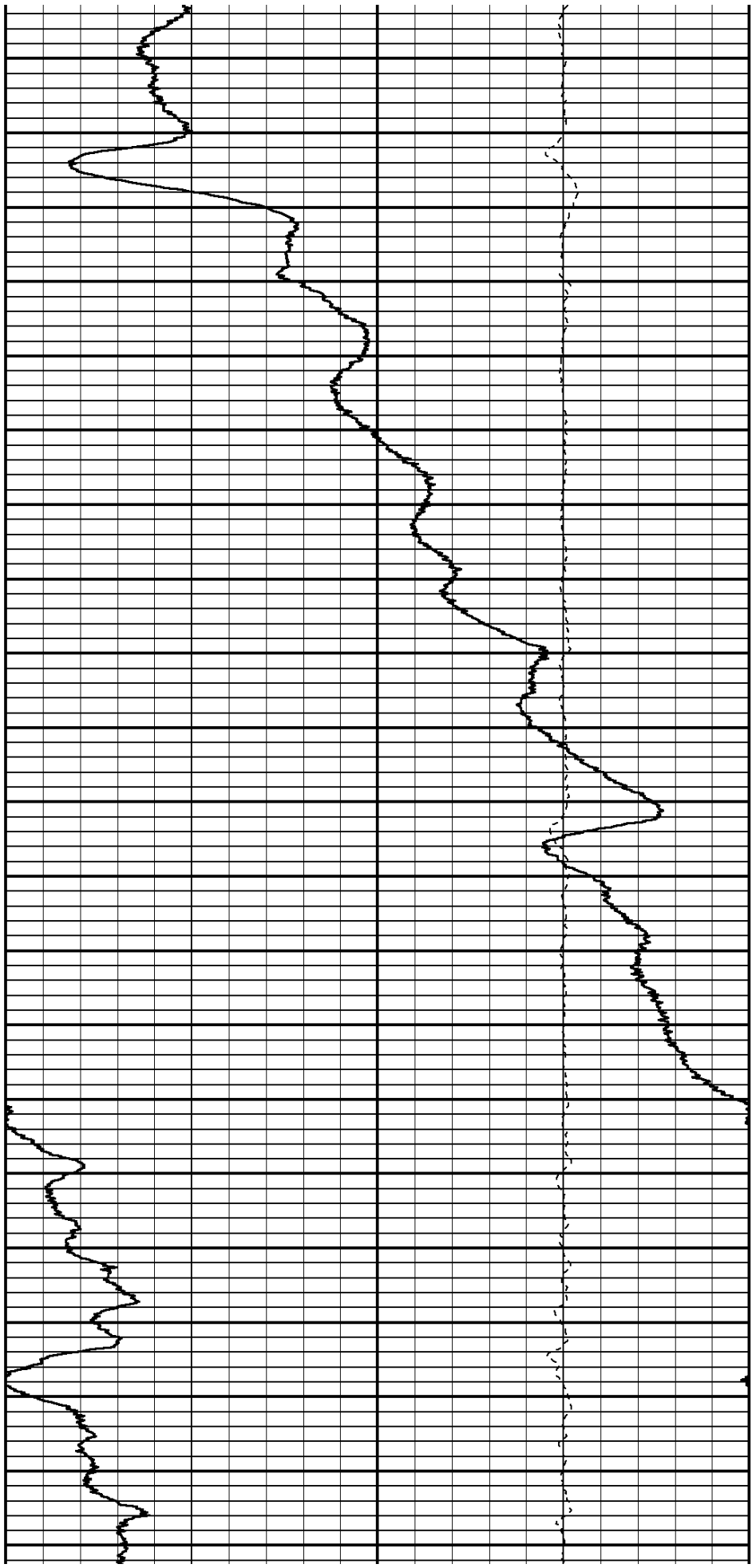


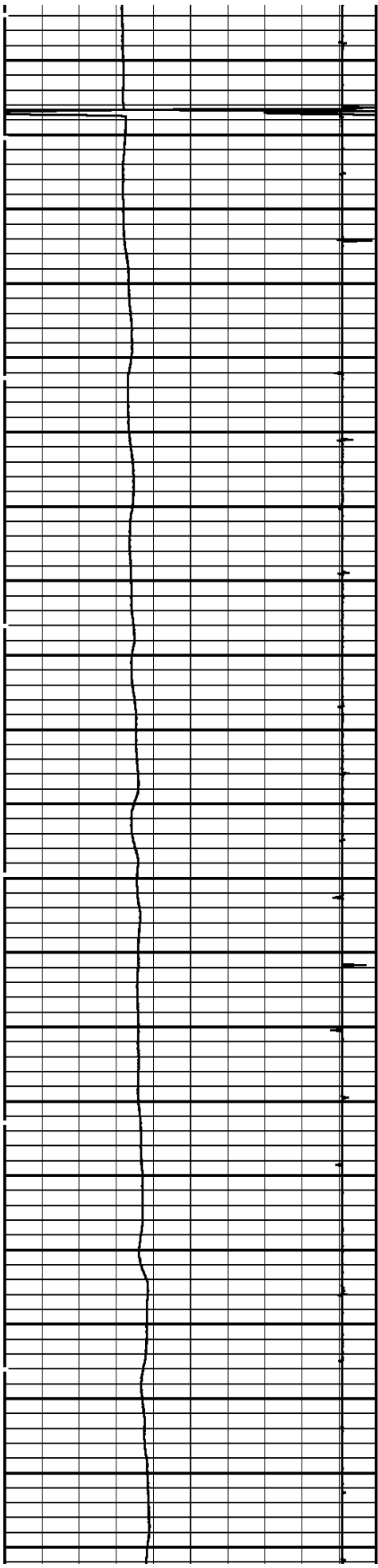
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1800
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2100
2200
2300
2400
2500
2600



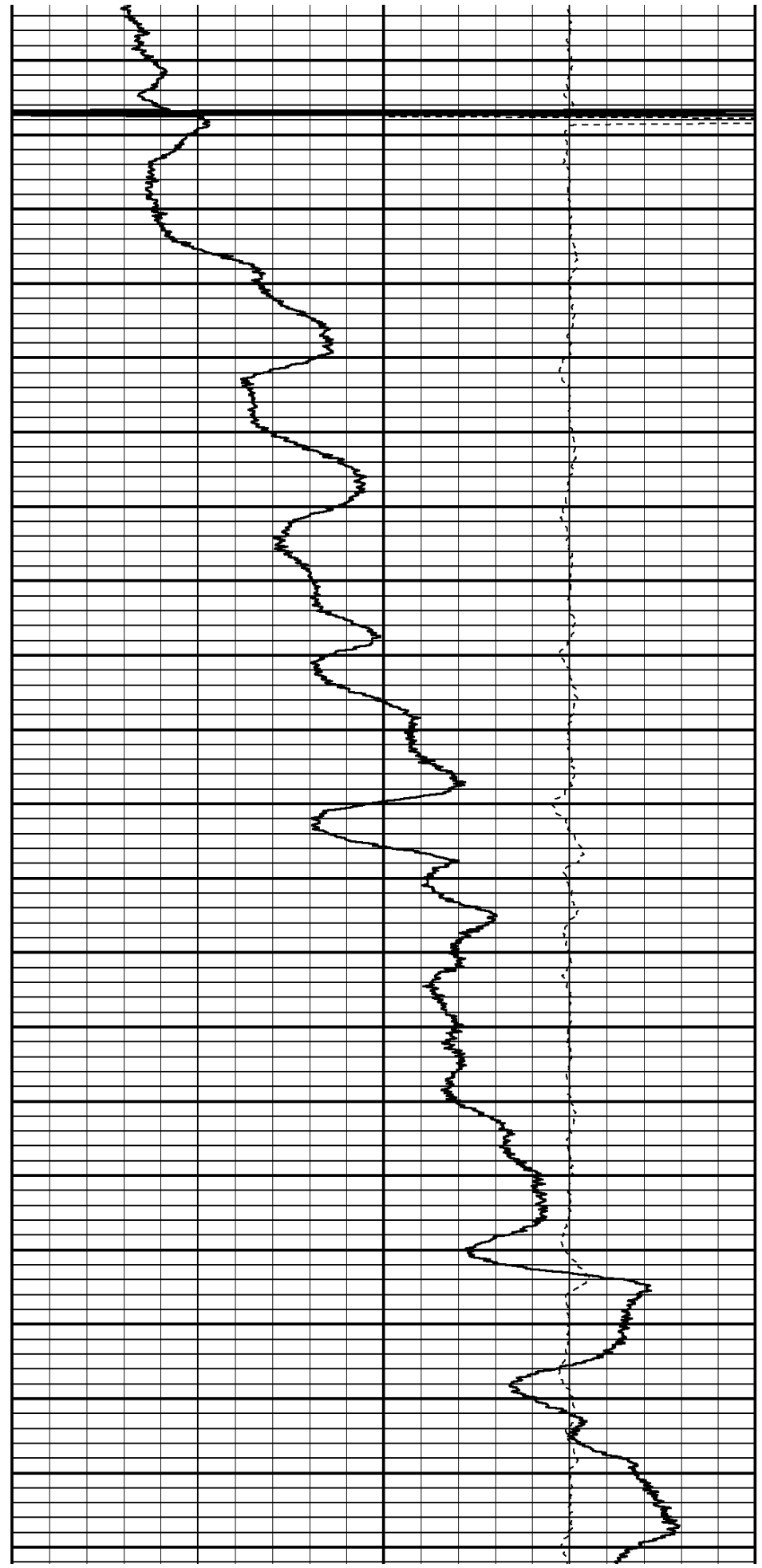


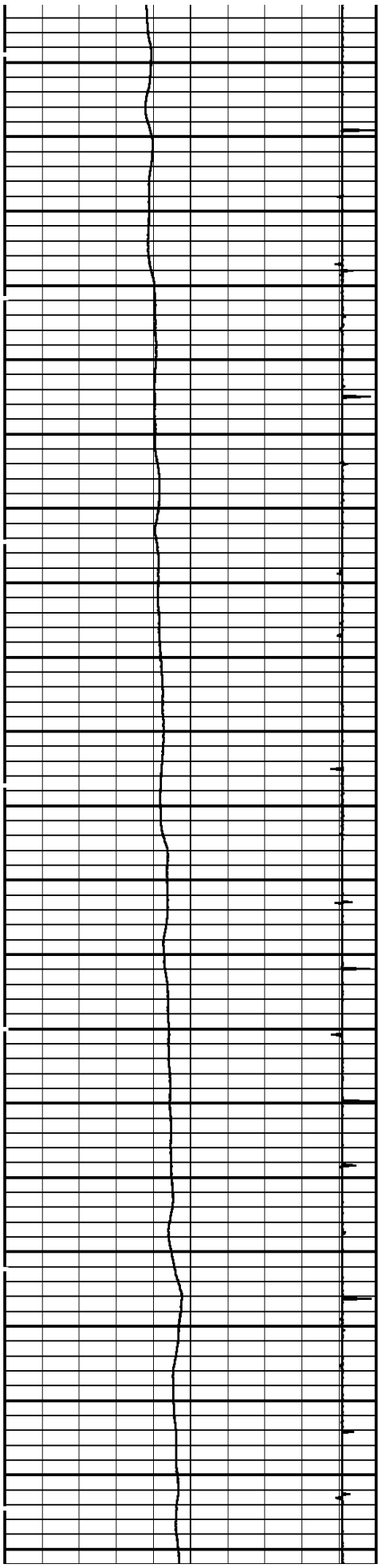
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3000
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3300
3400
3500
3600
3700



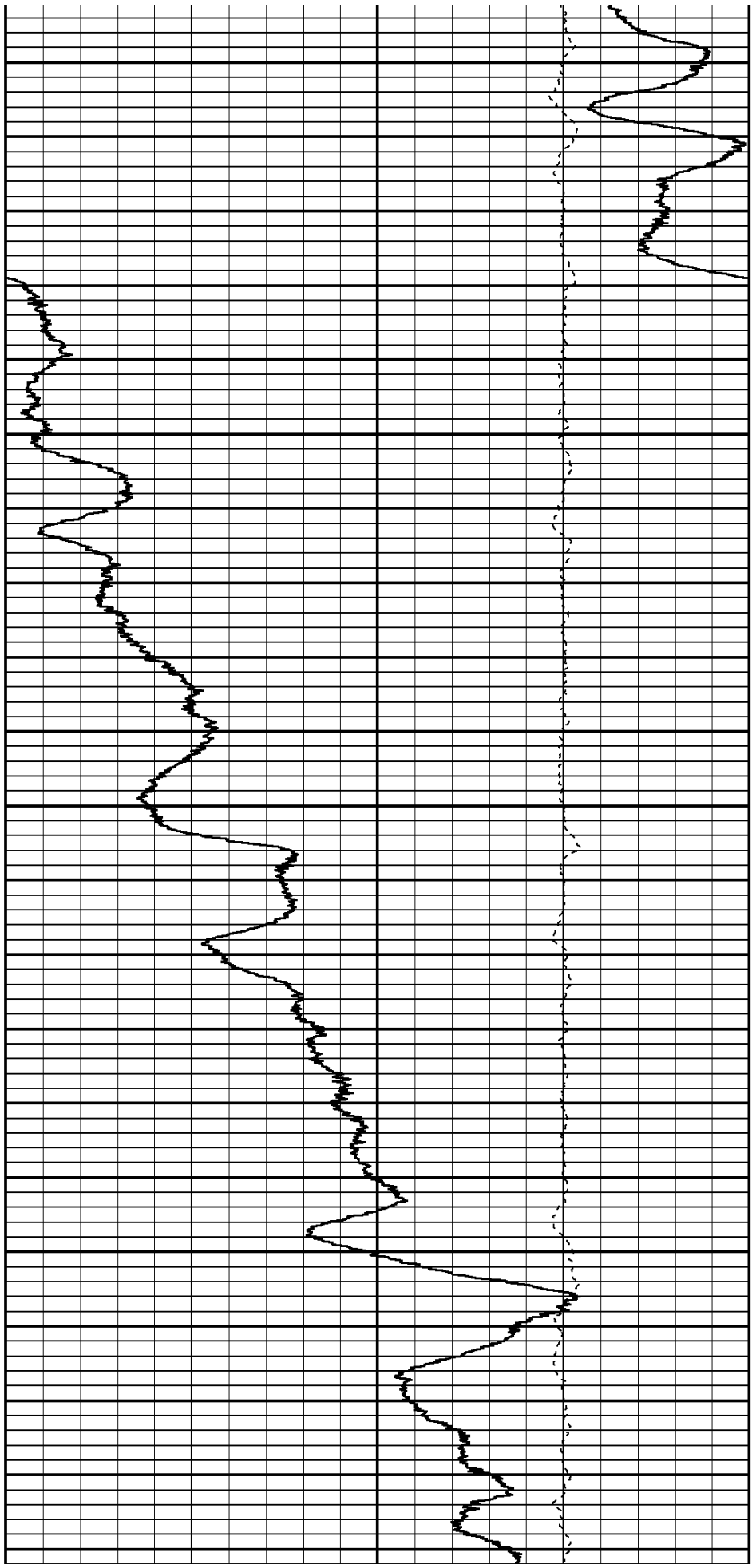


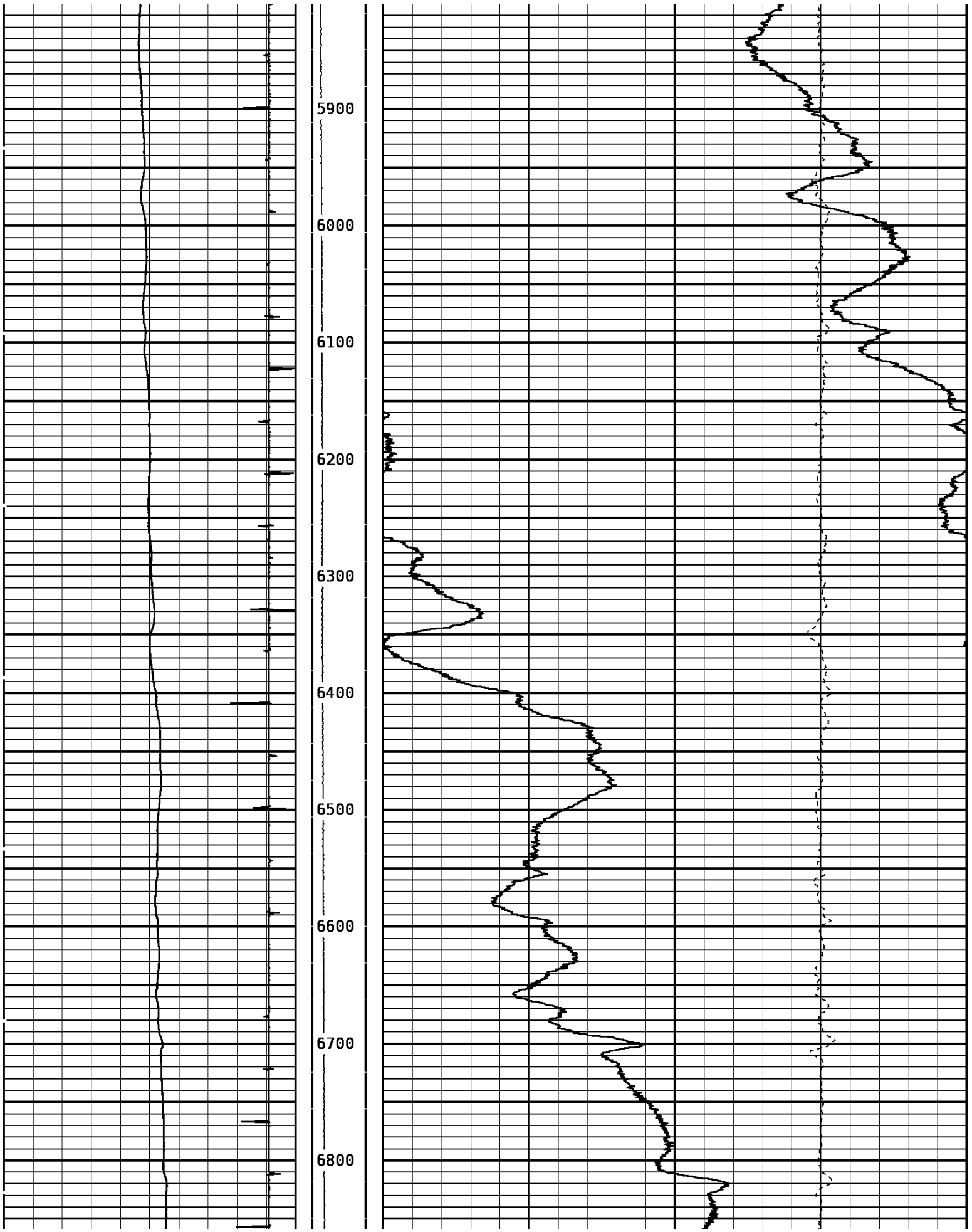
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4300
4400
4500
4600
4700





4800
4900
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5100
5200
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5400
5500
5600
5700
5800





DEPTH SCALE: 5":100'

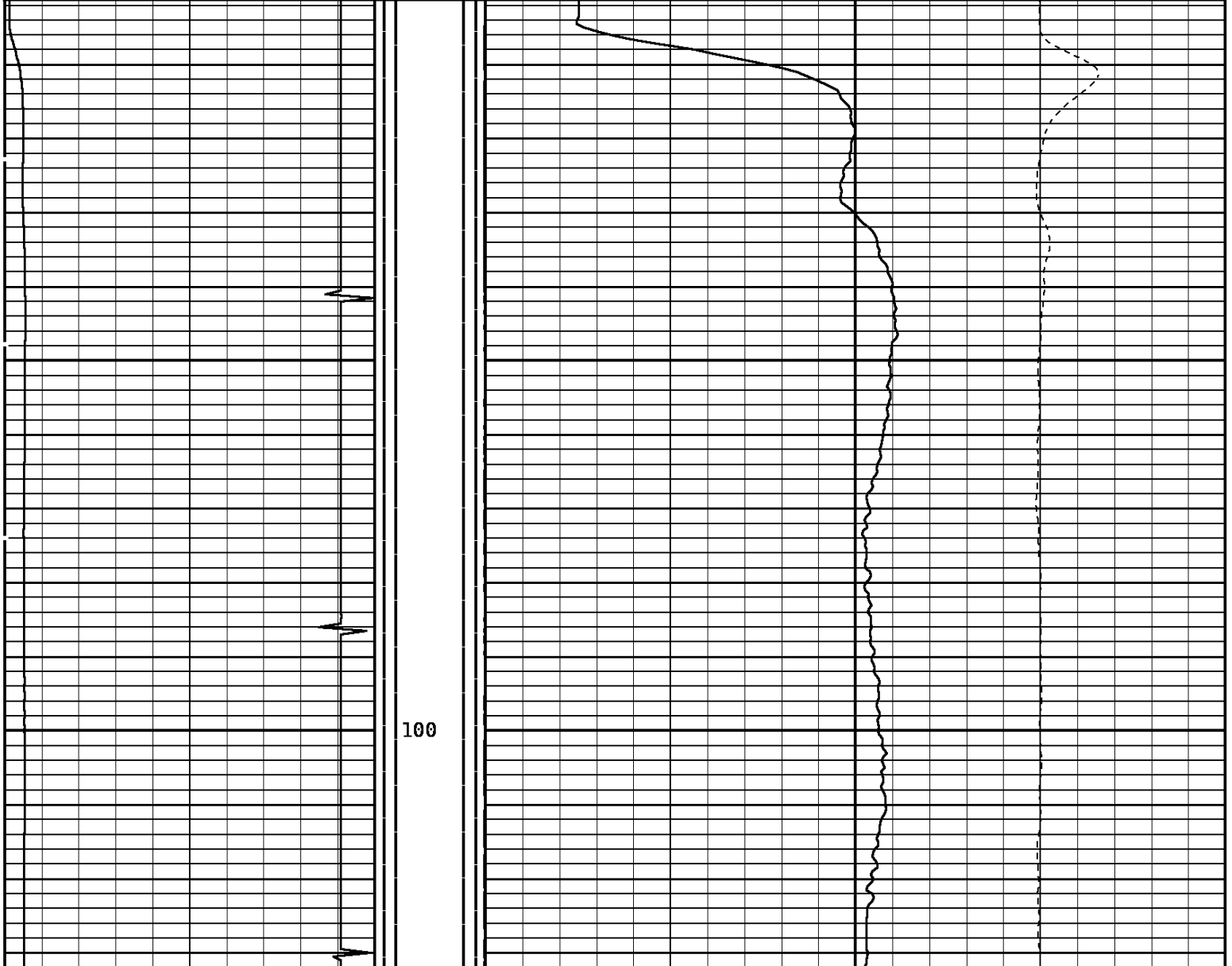
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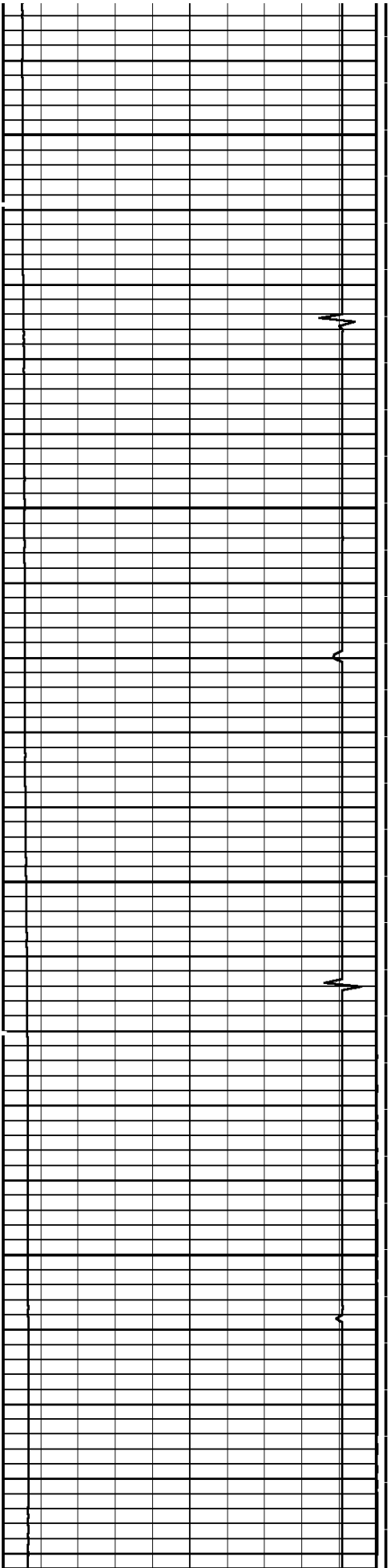
MAIN PASS

167808 TLTMP

FINISH DEPTH: 1.7 Feet DIRECTION: UP DATE: 12/13/2010 TIME: 23:04 MODE: TRACE PLAYBACK

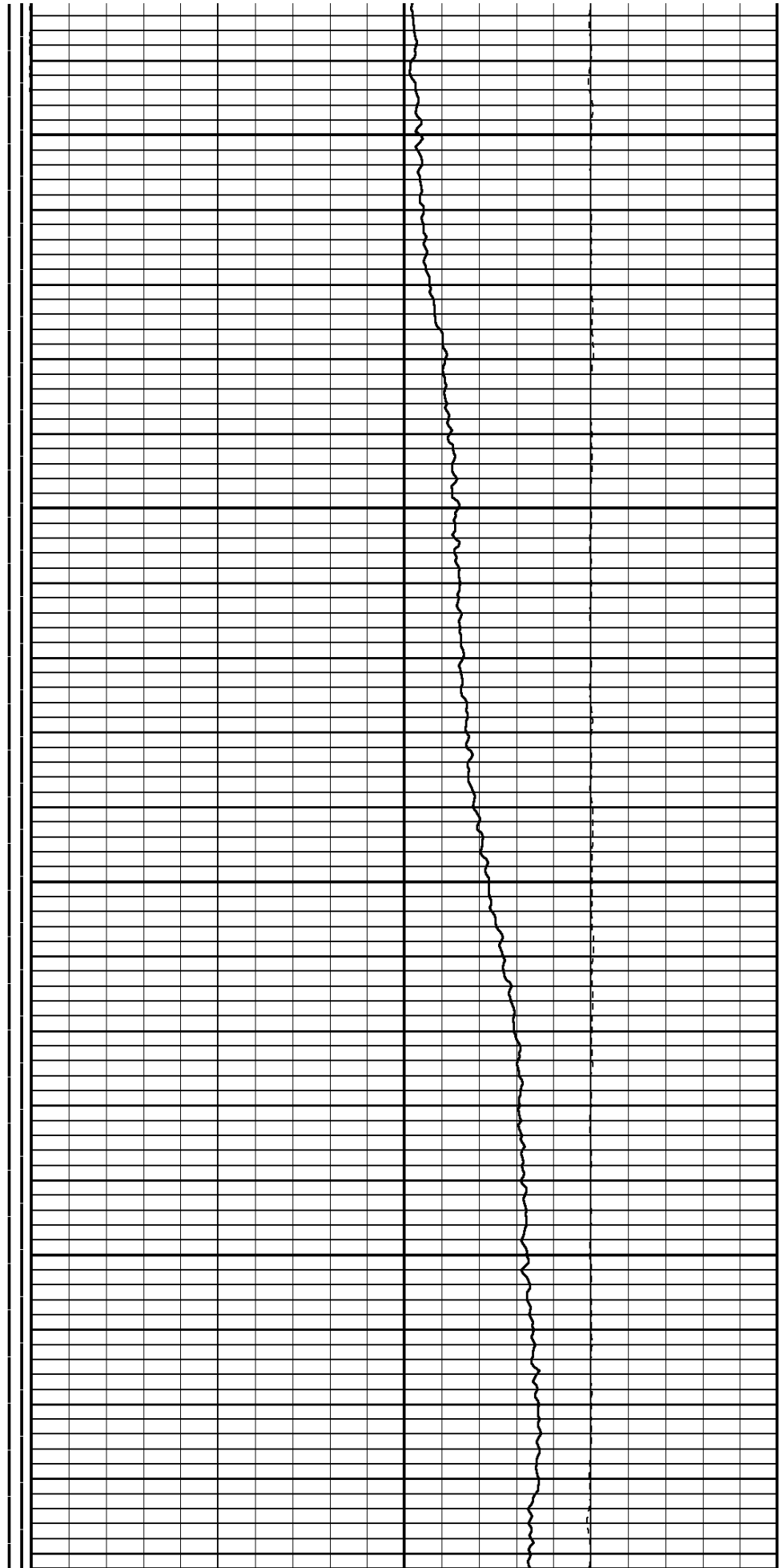
Collar Locator			DELTA TEMPERATURE		
-8000.0	Millivolts	800.0	-1.500	DegF/Foot	1.500
TEMPERATURE			AMP. TEMPERATURE		
60.0	DegreesFahrenheit	260.0	0	DegreesFahrenheit	20.0

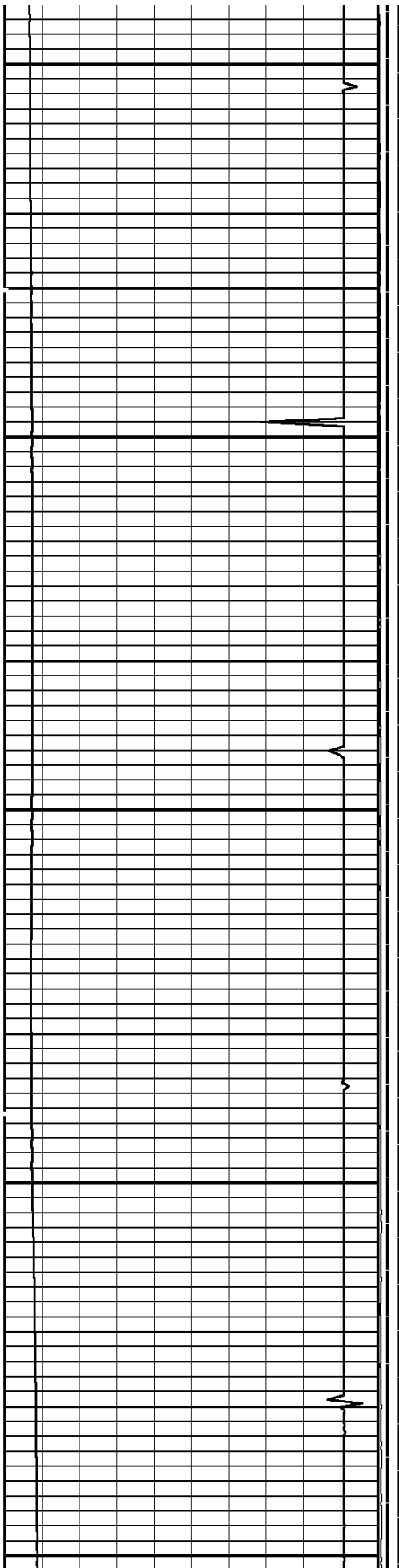




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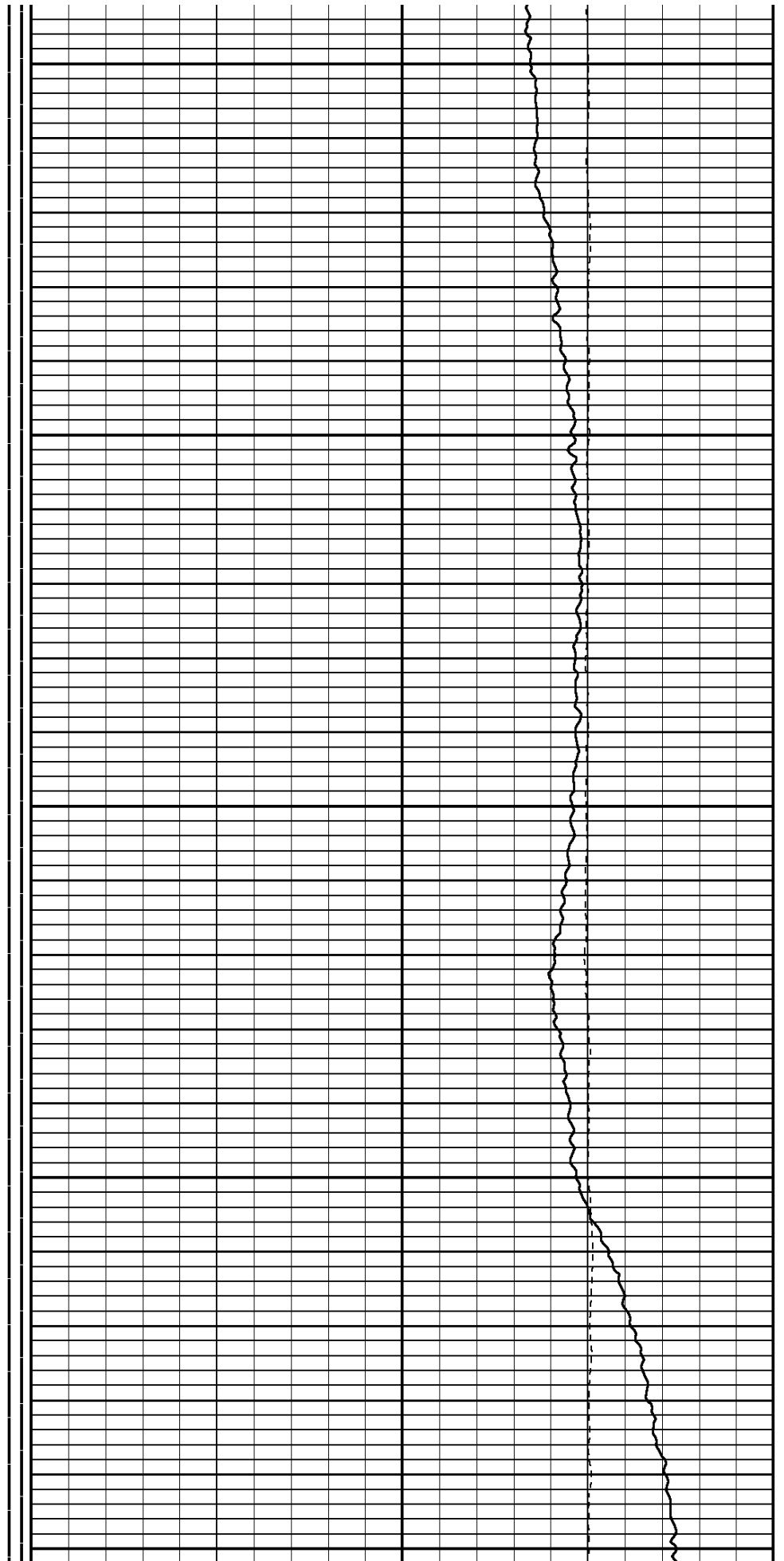
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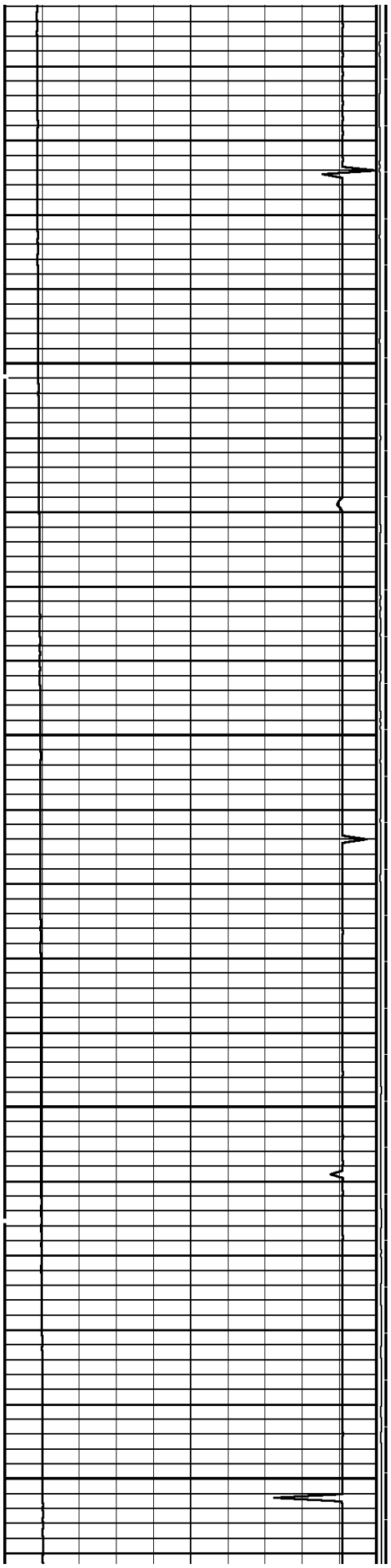




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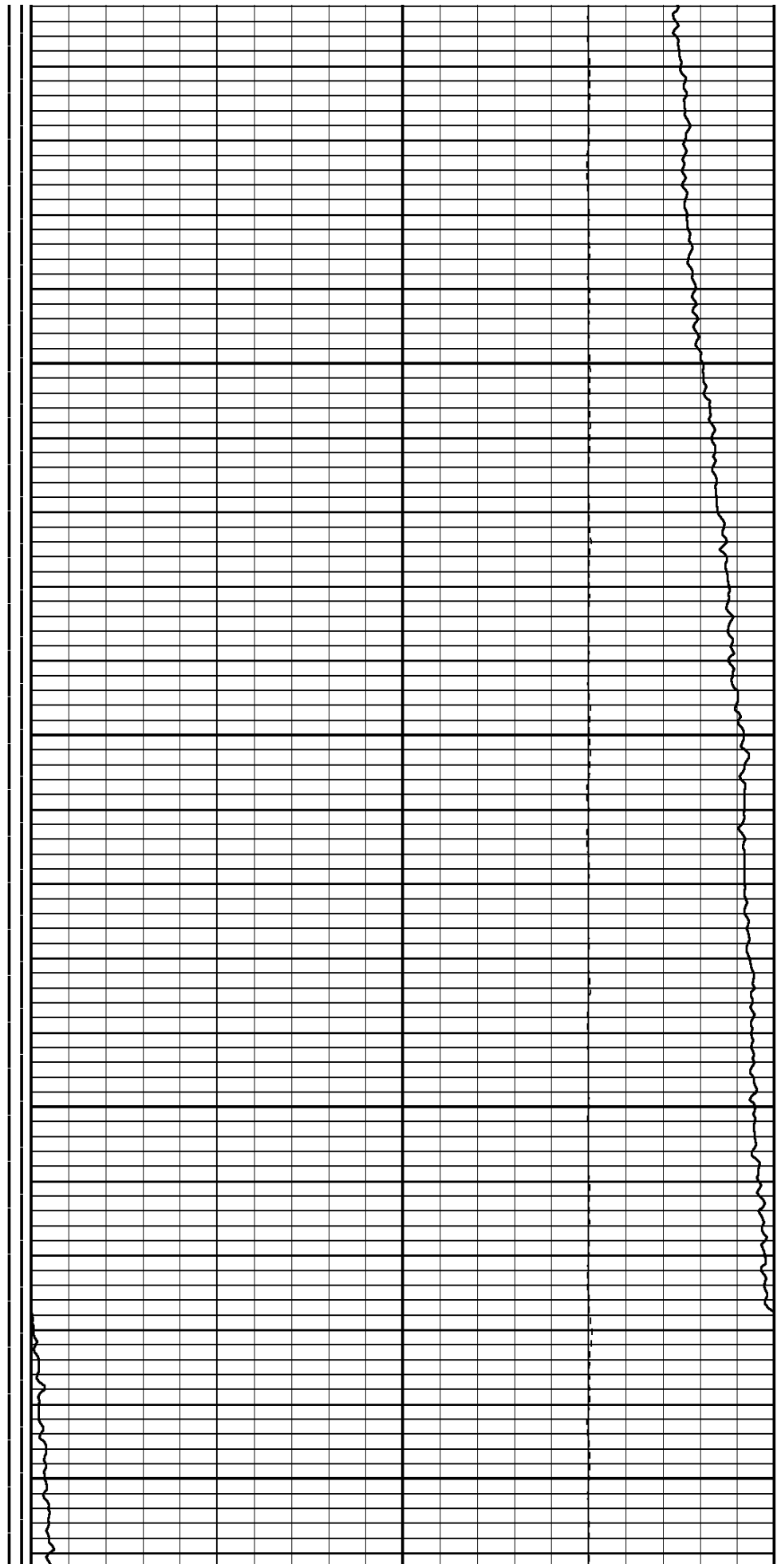
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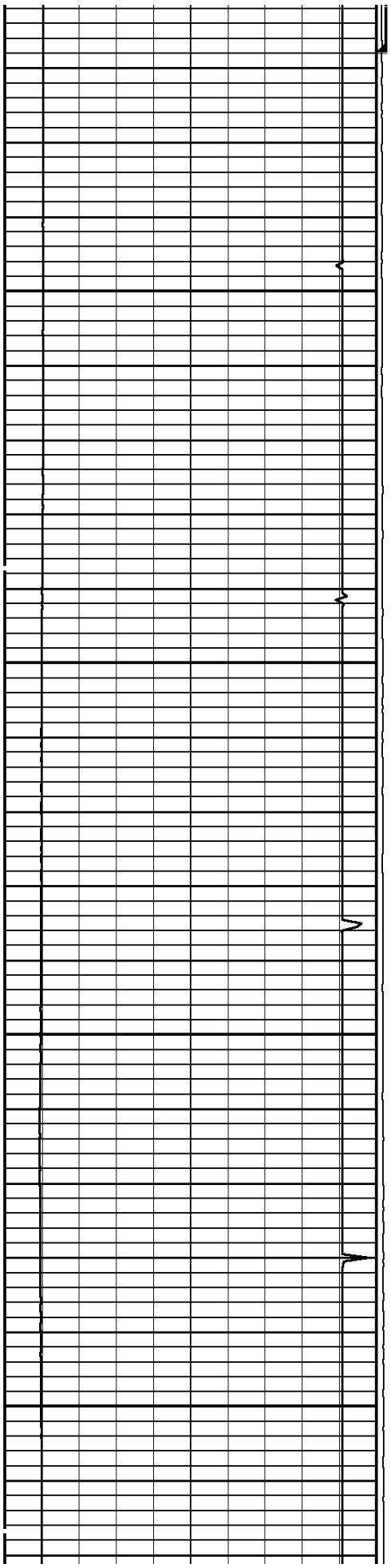




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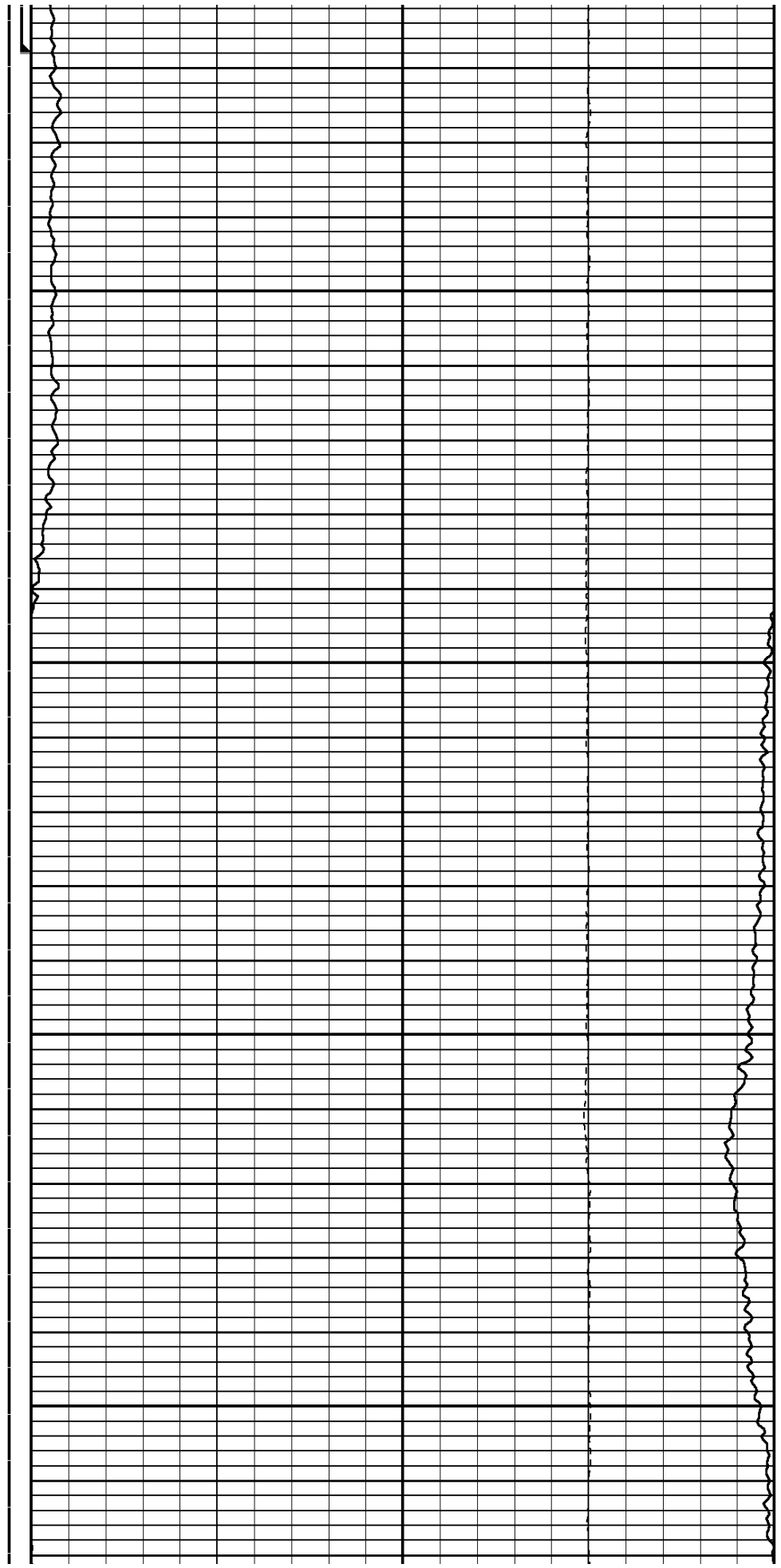
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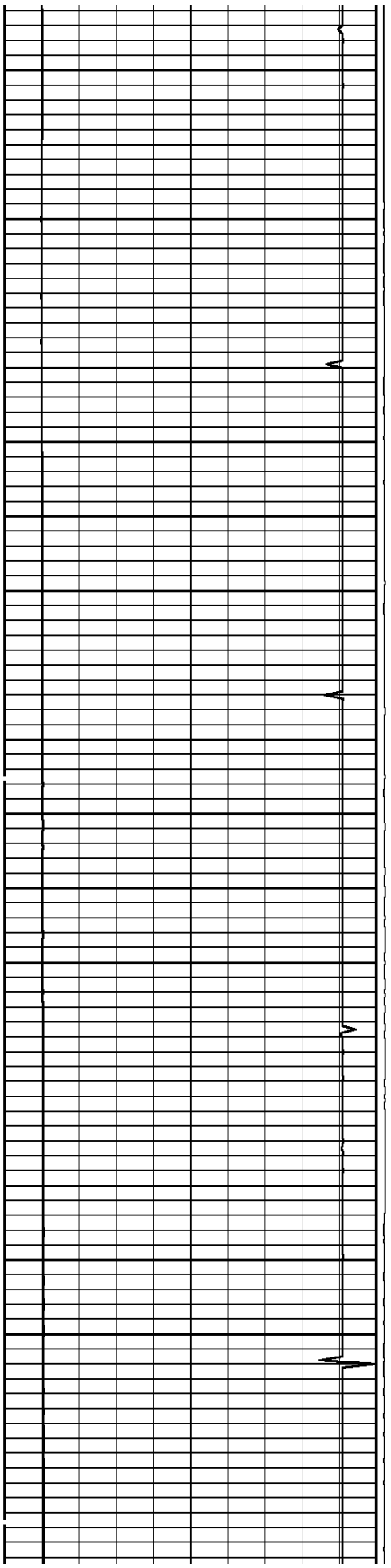




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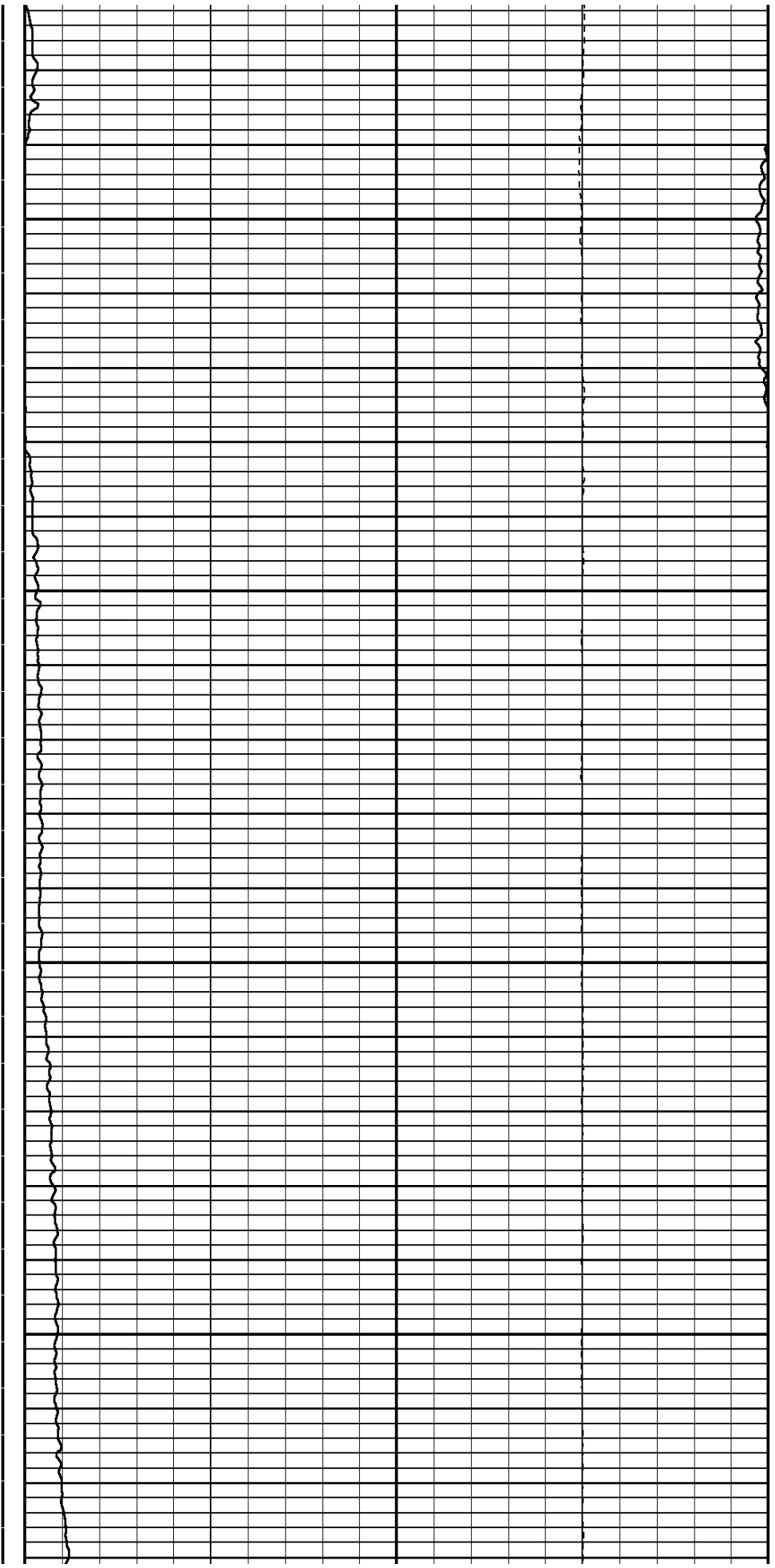
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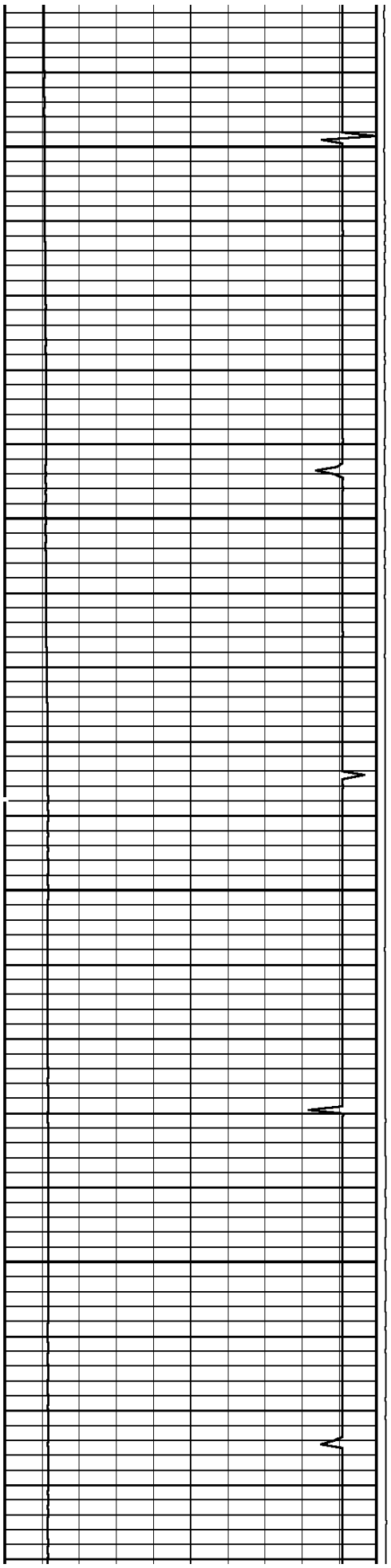




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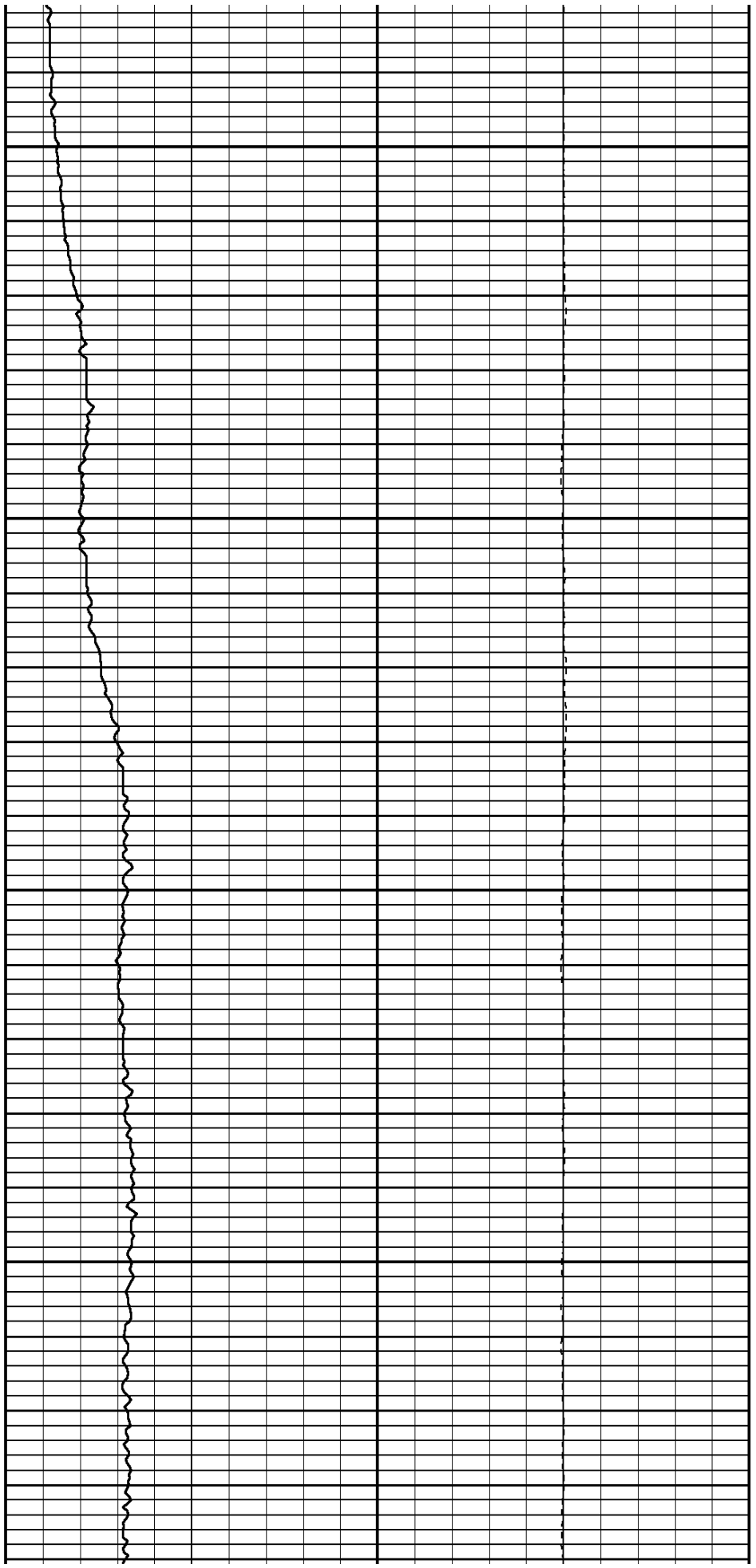
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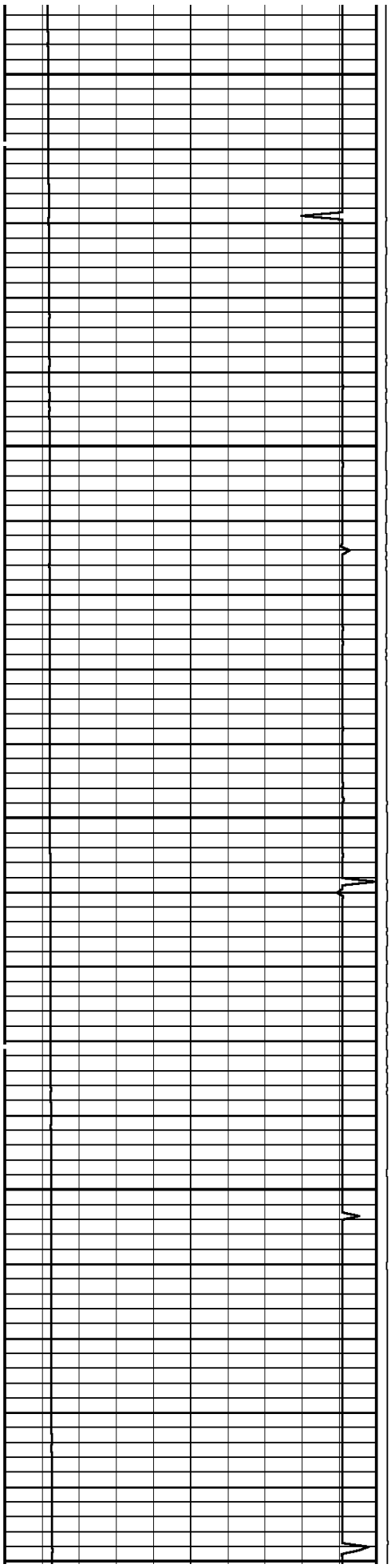




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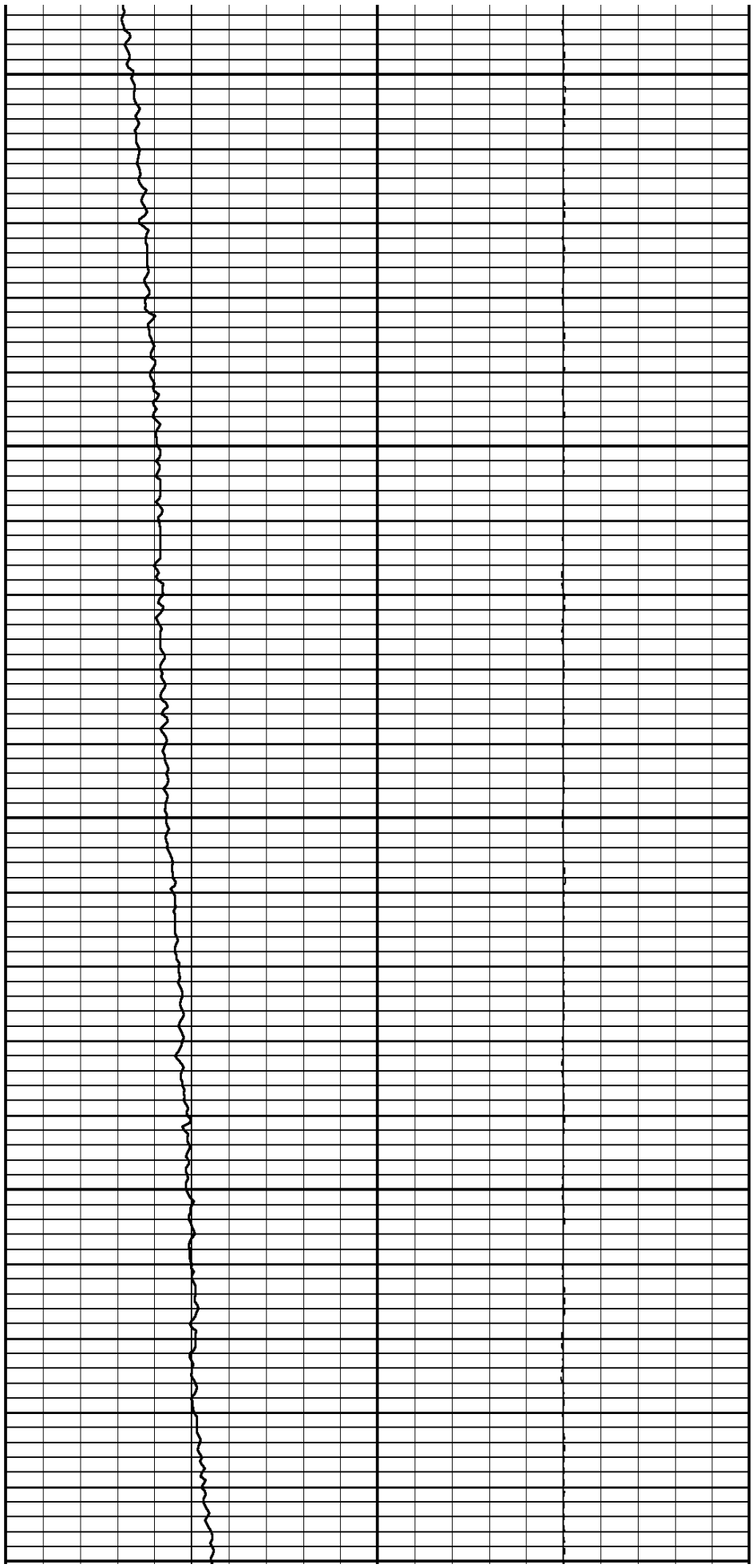


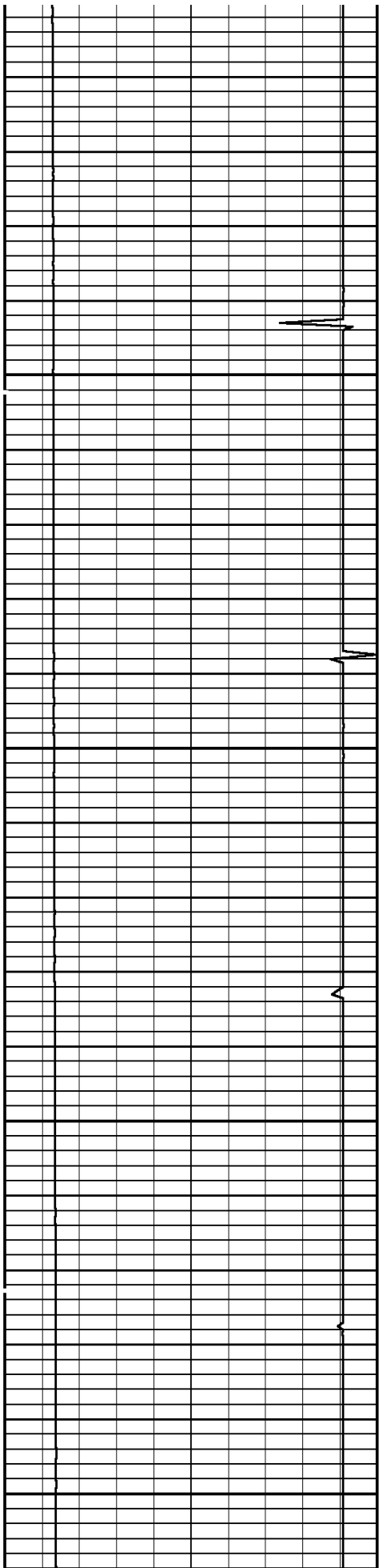


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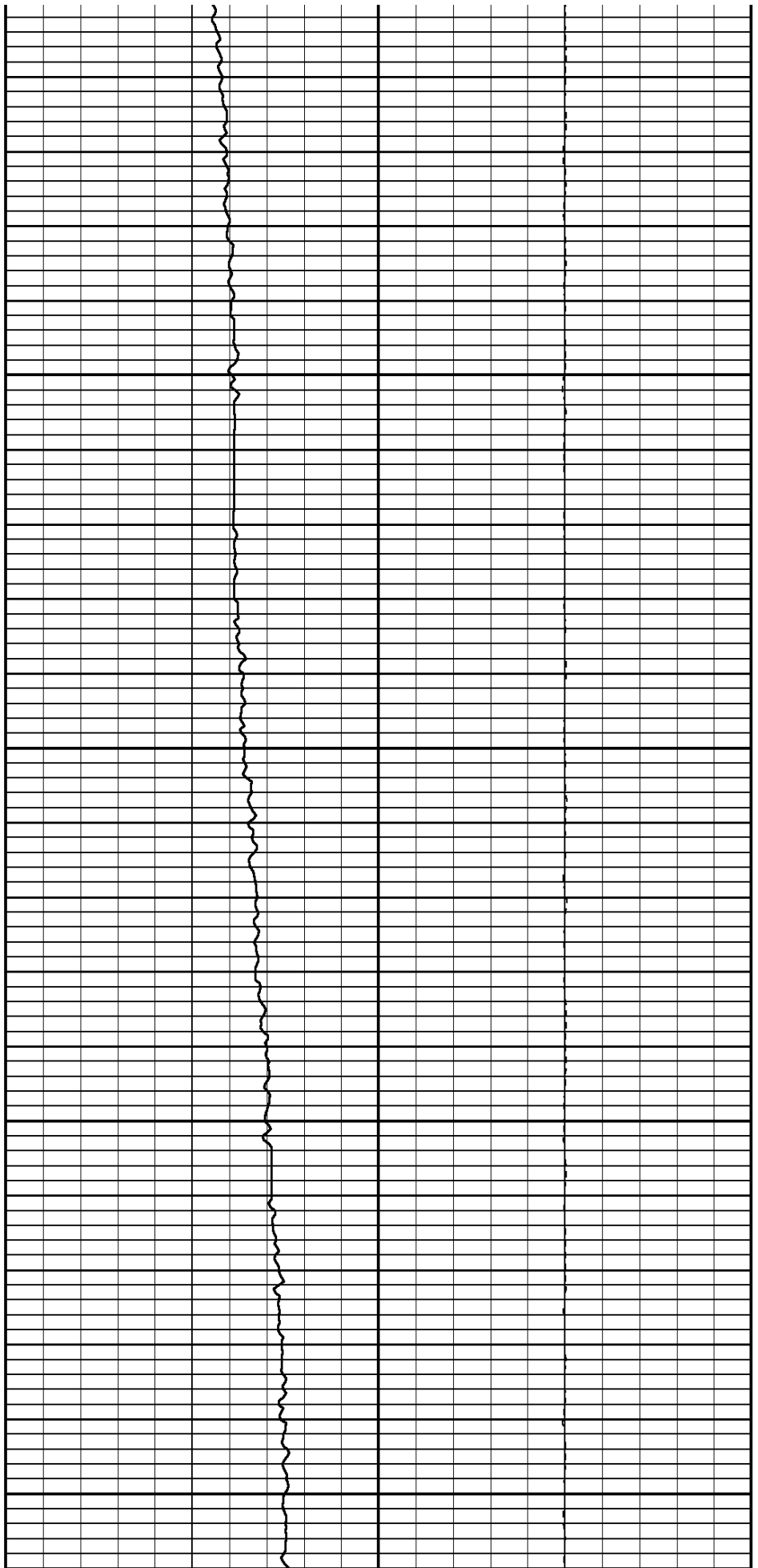
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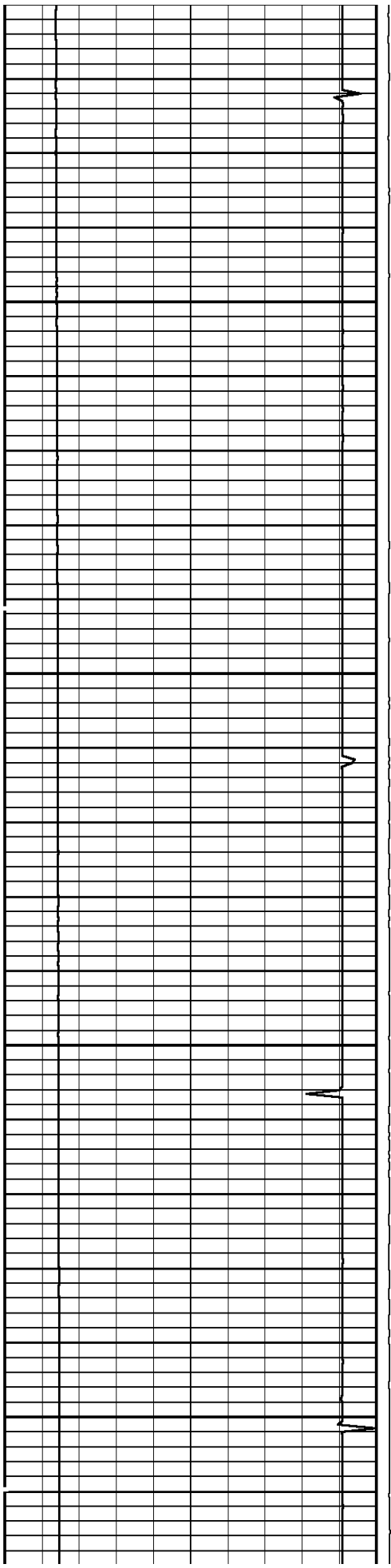
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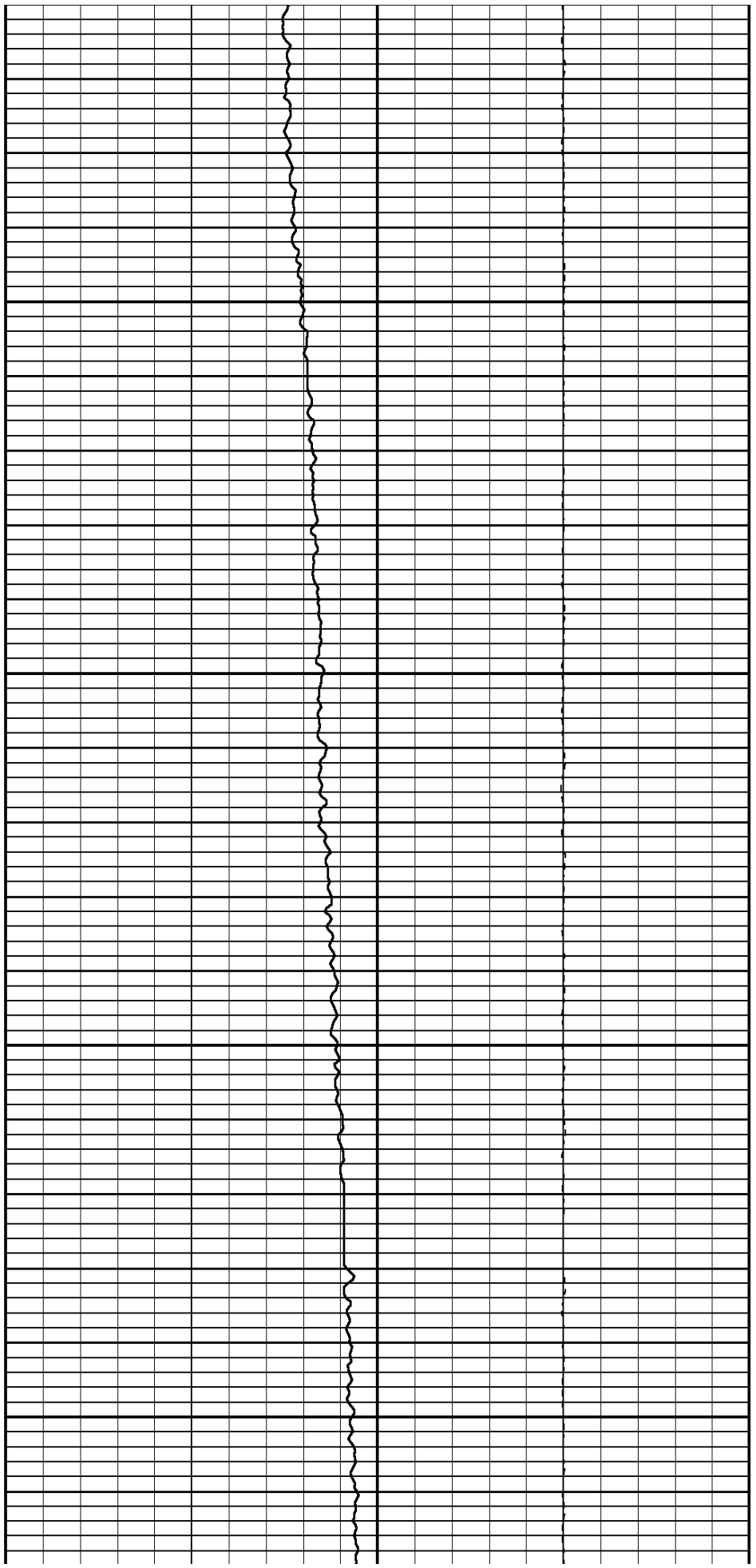
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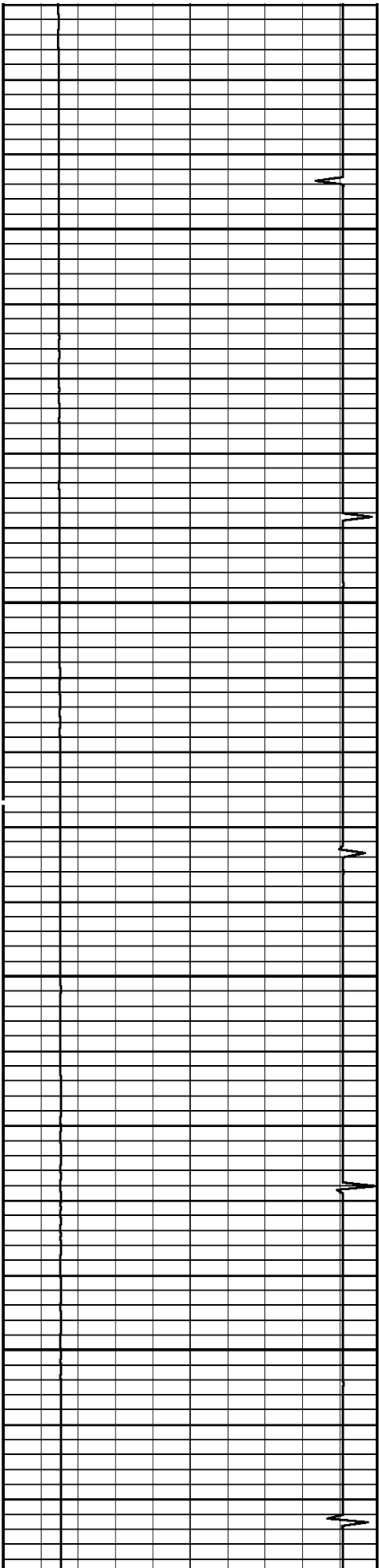




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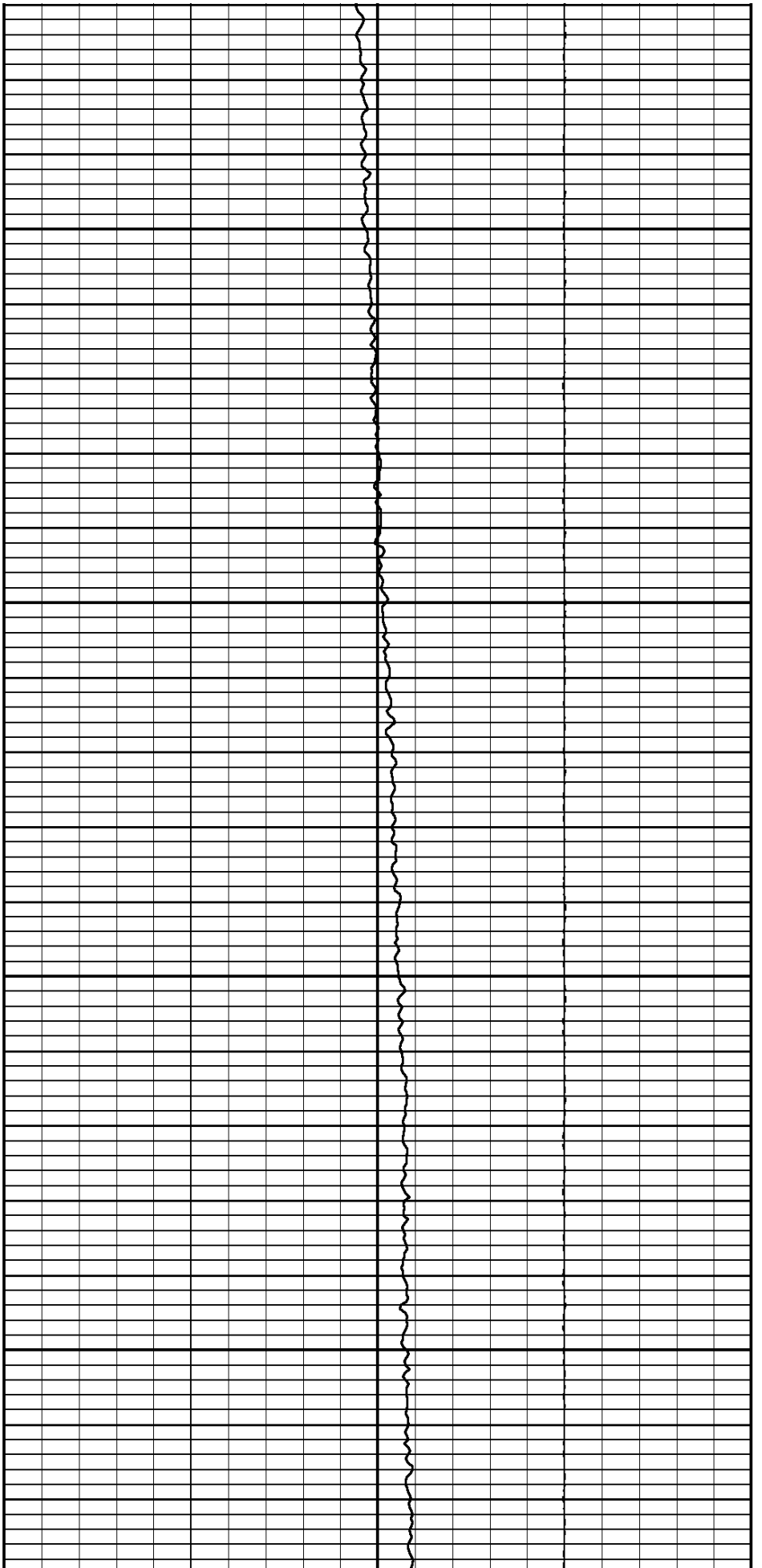
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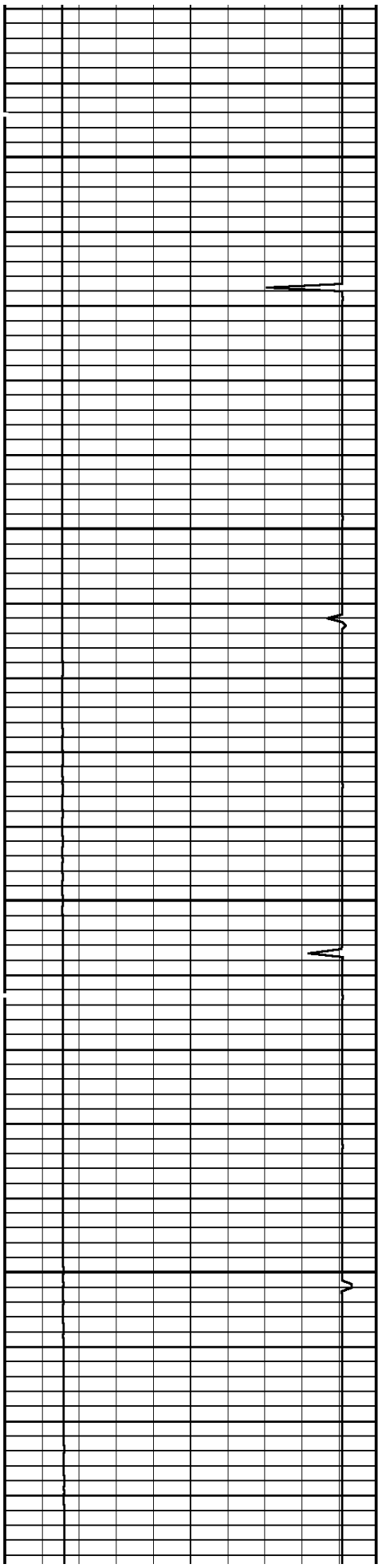




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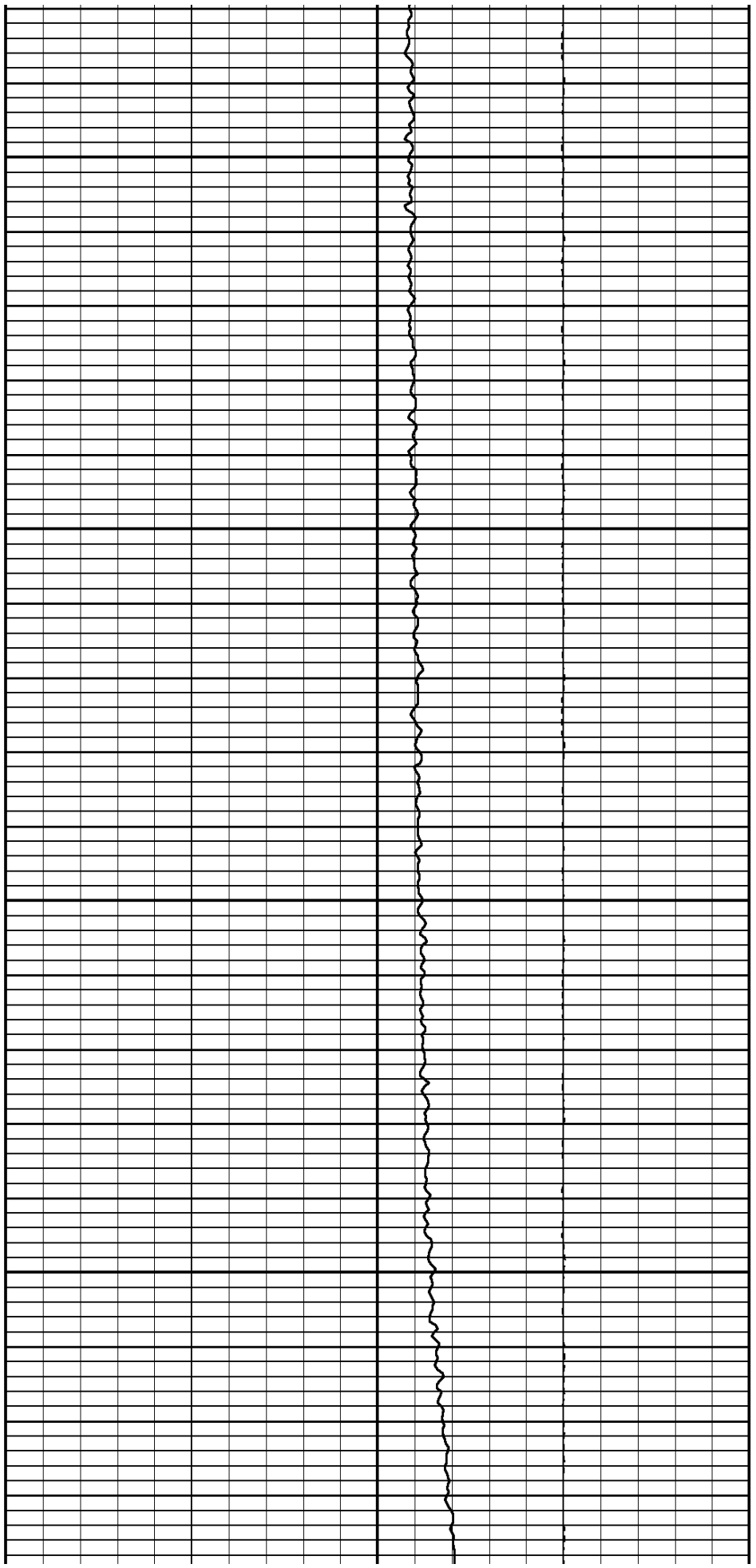
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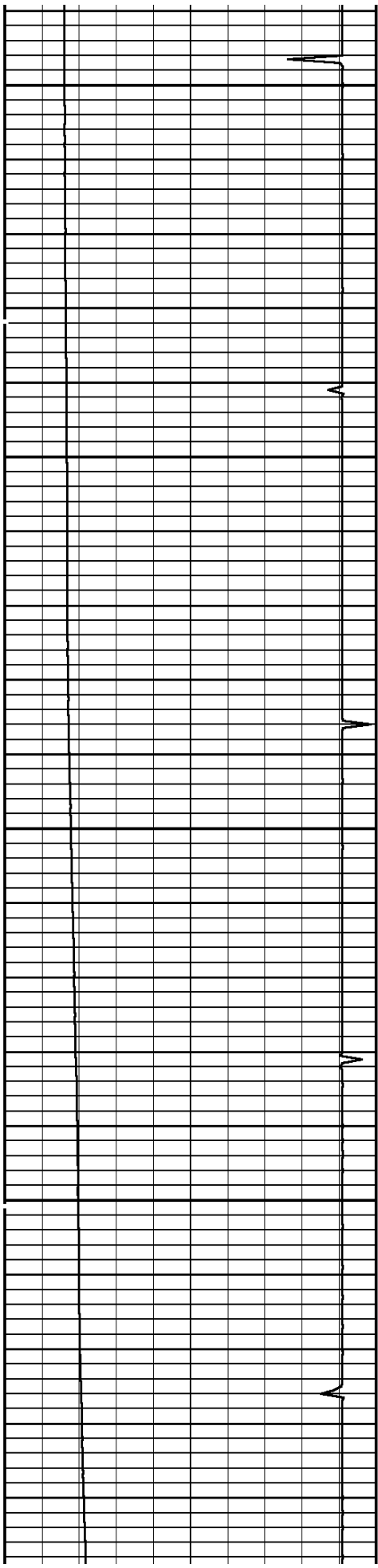




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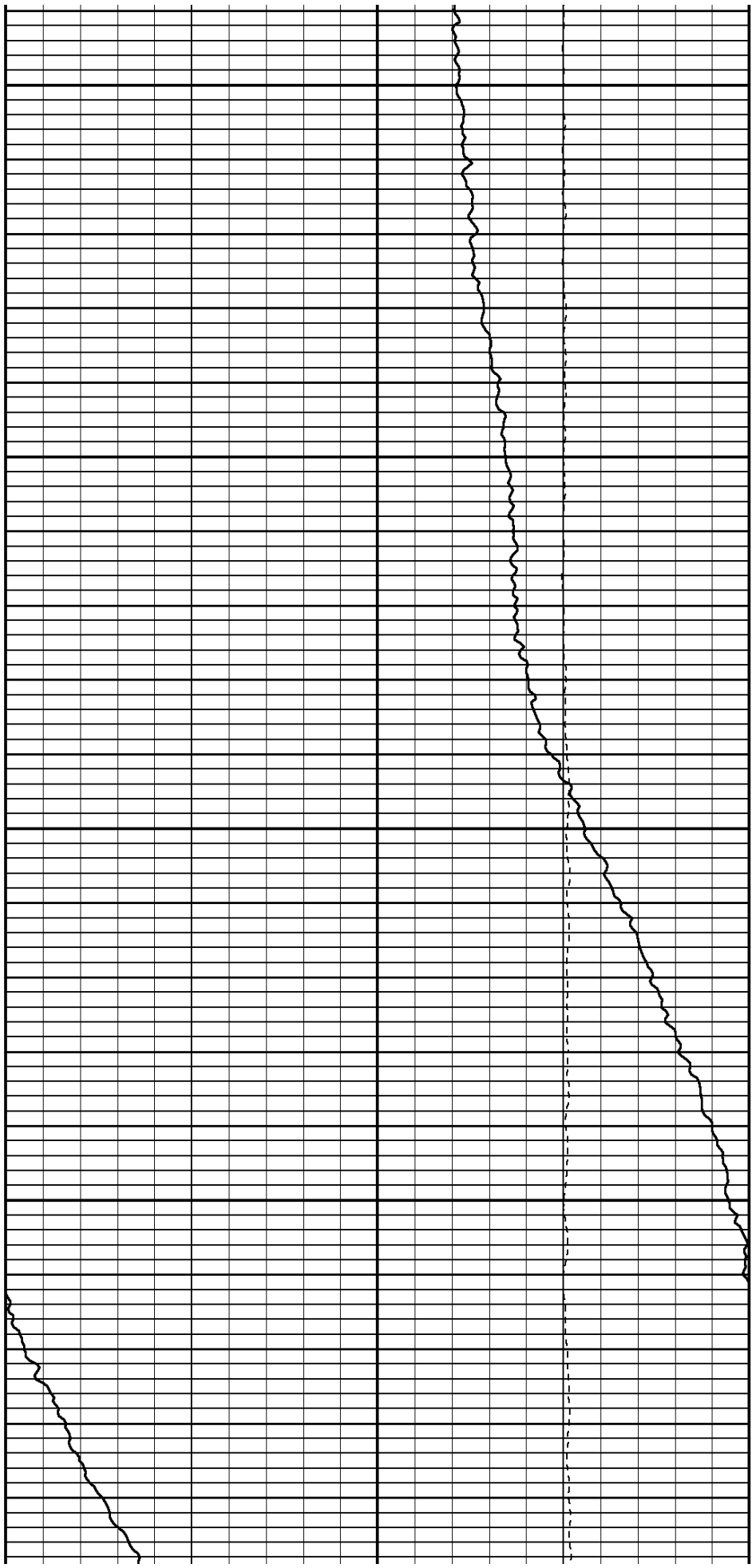
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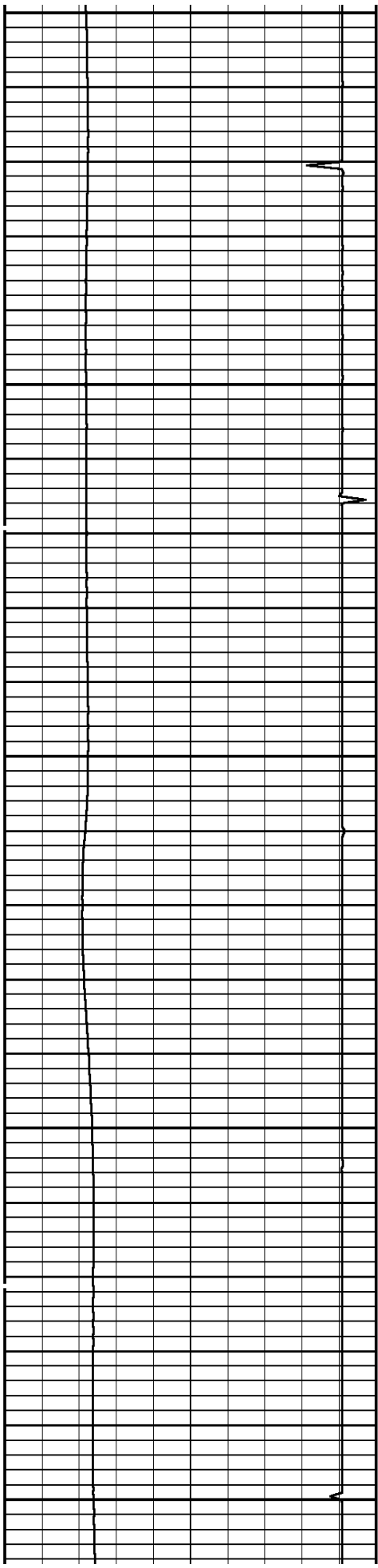




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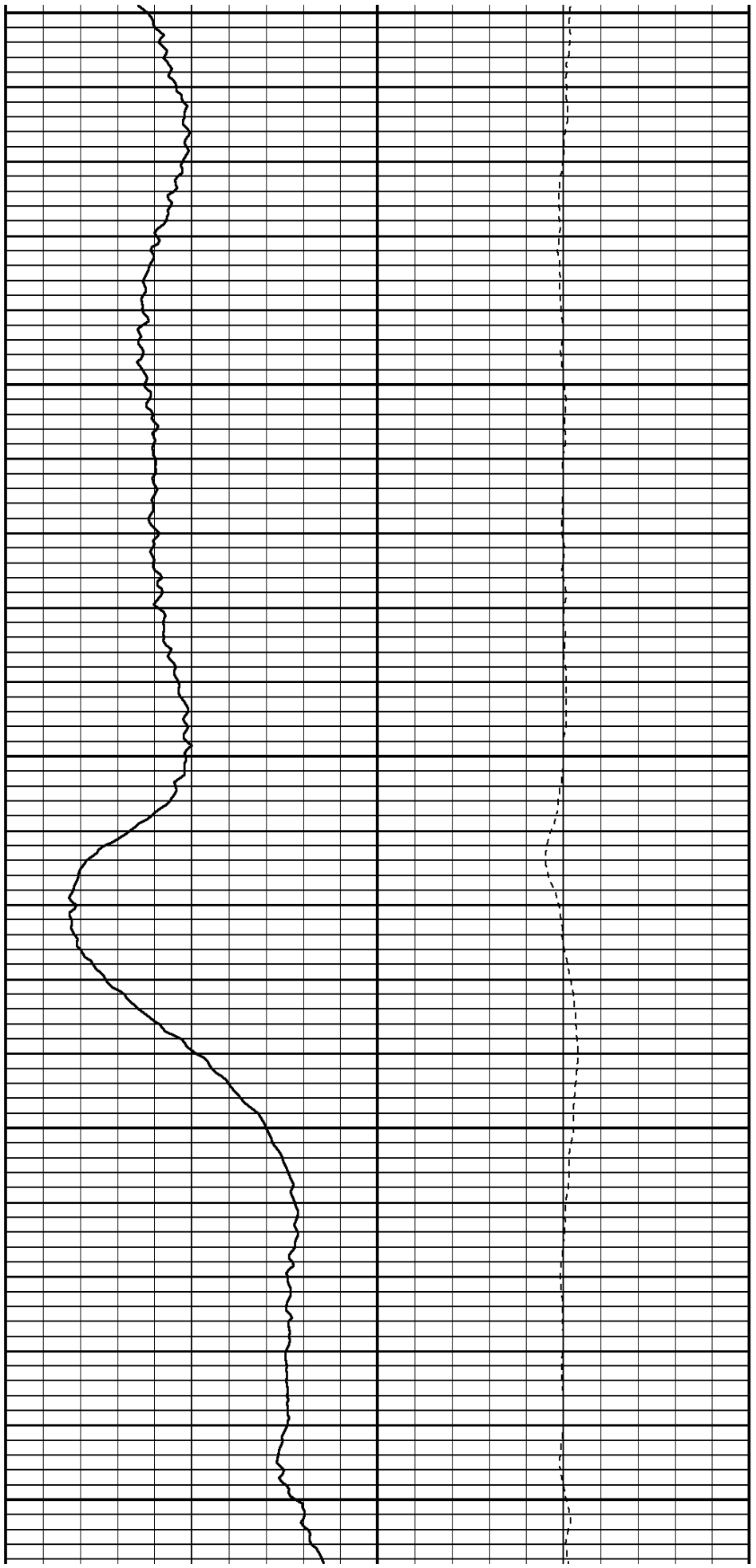
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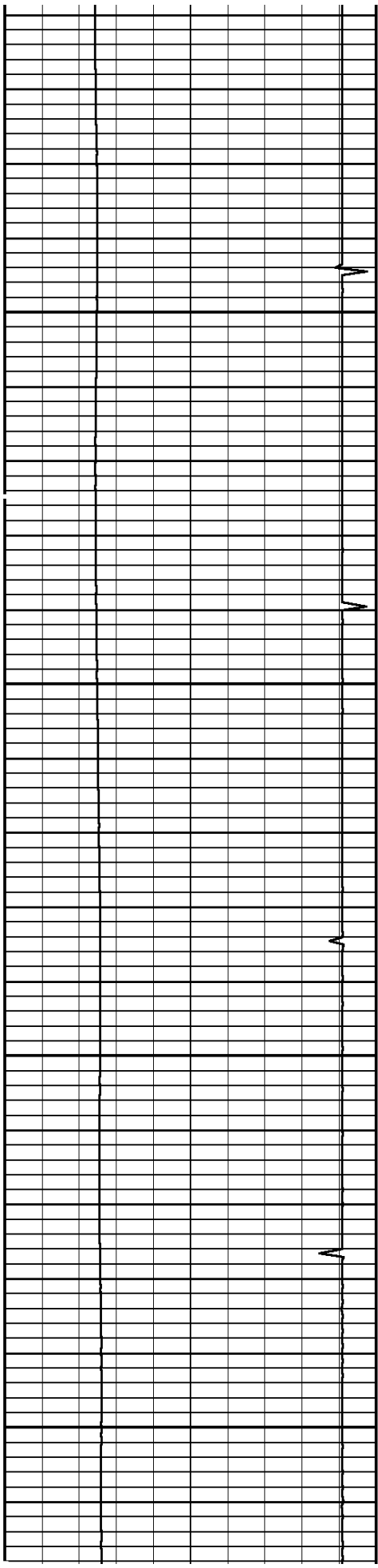




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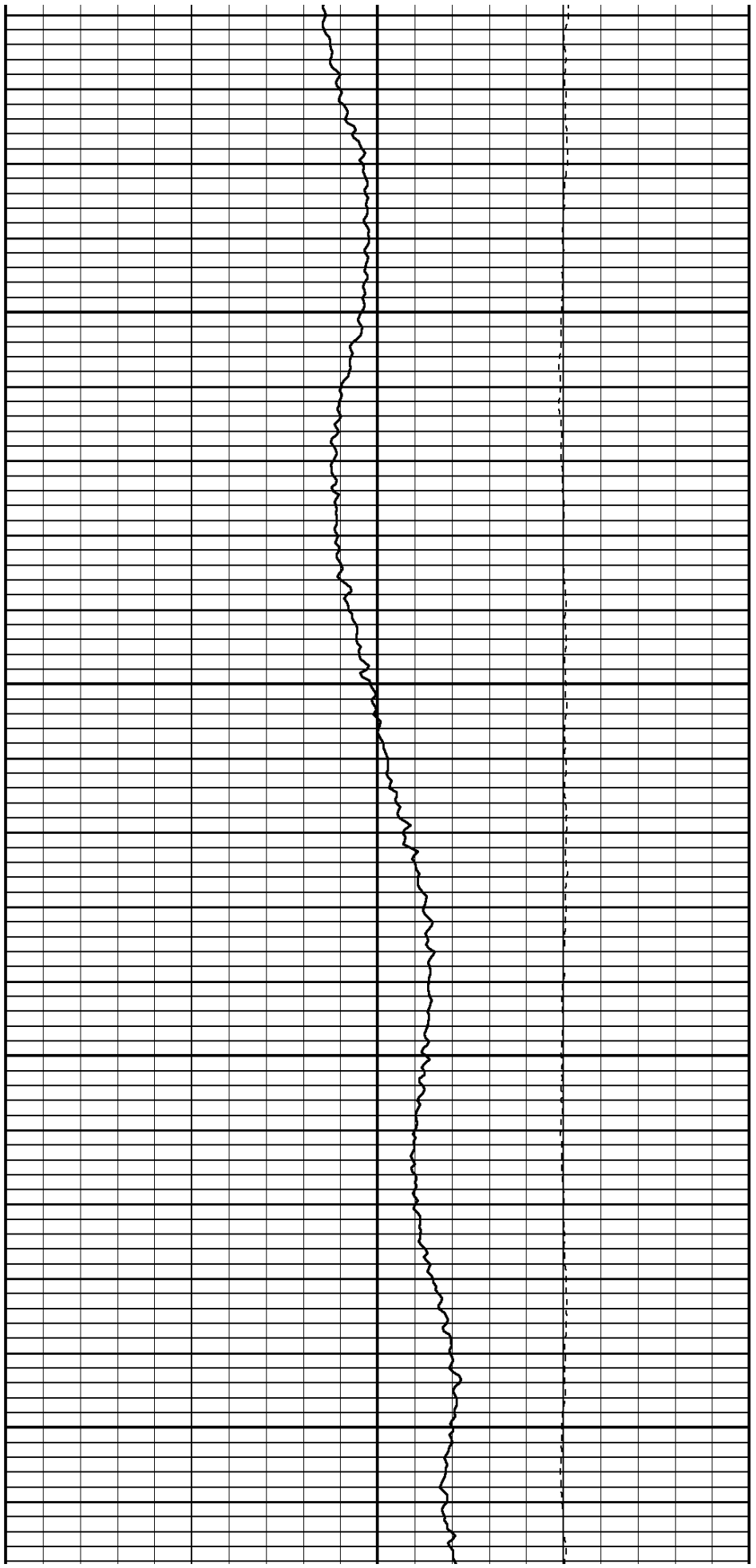
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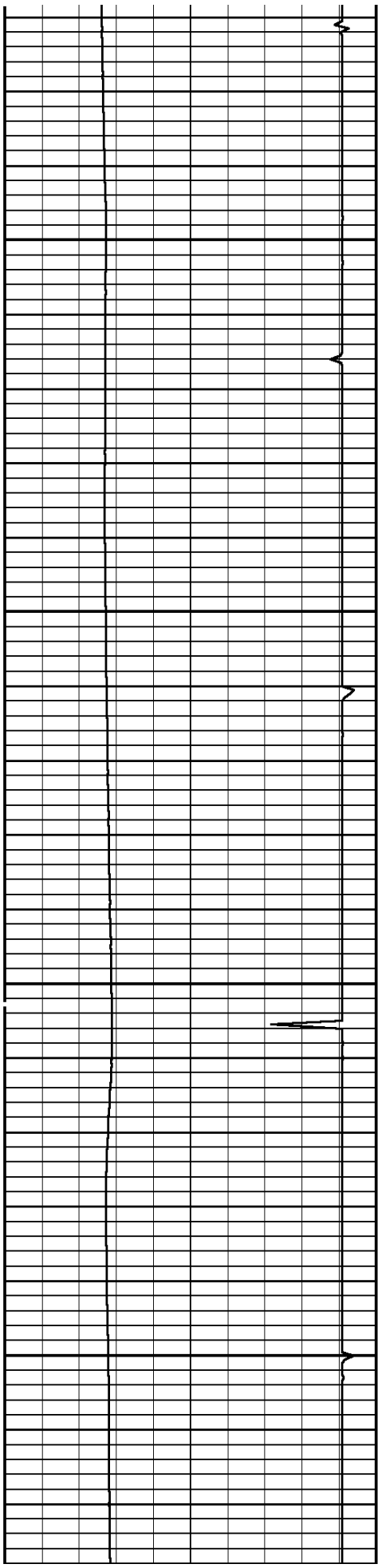




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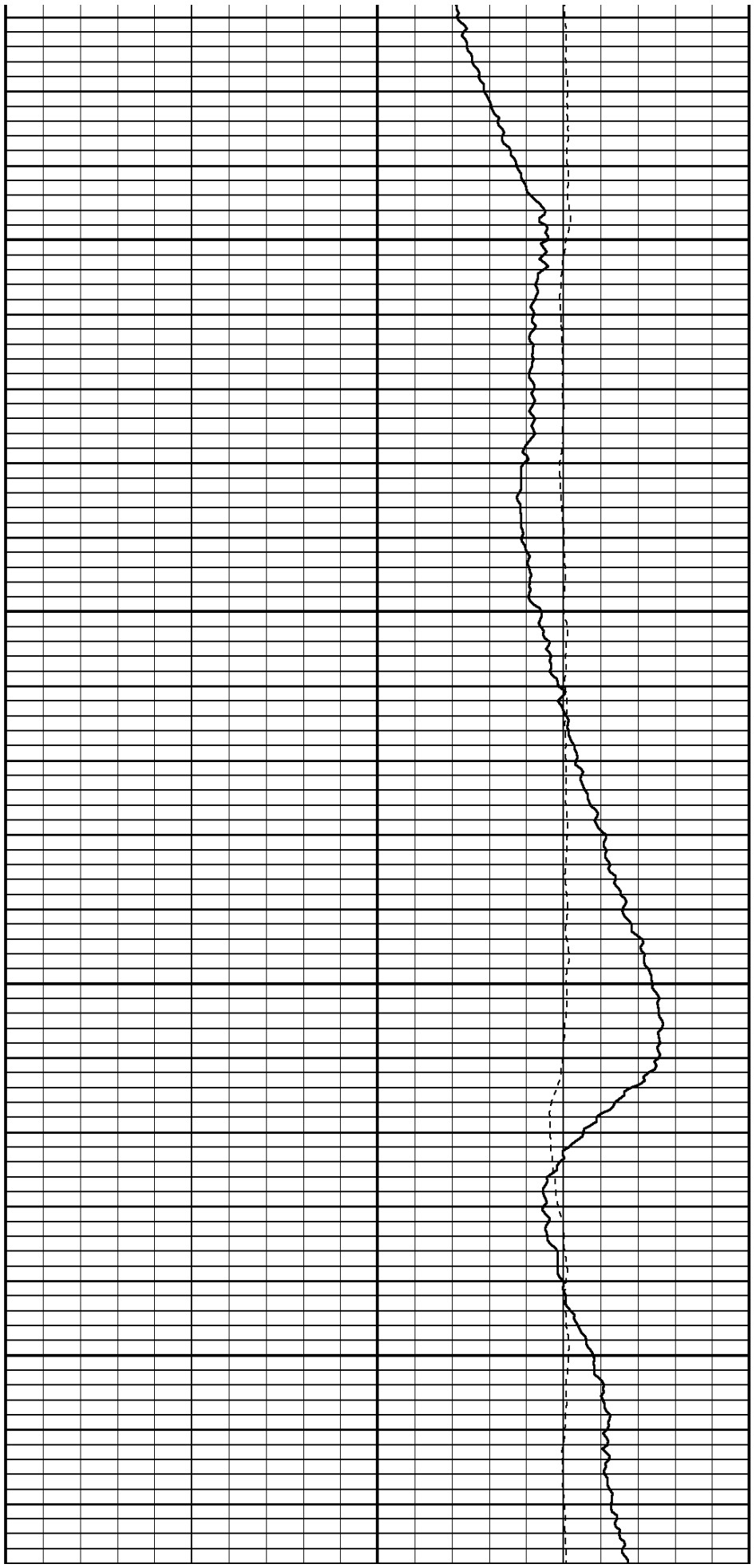
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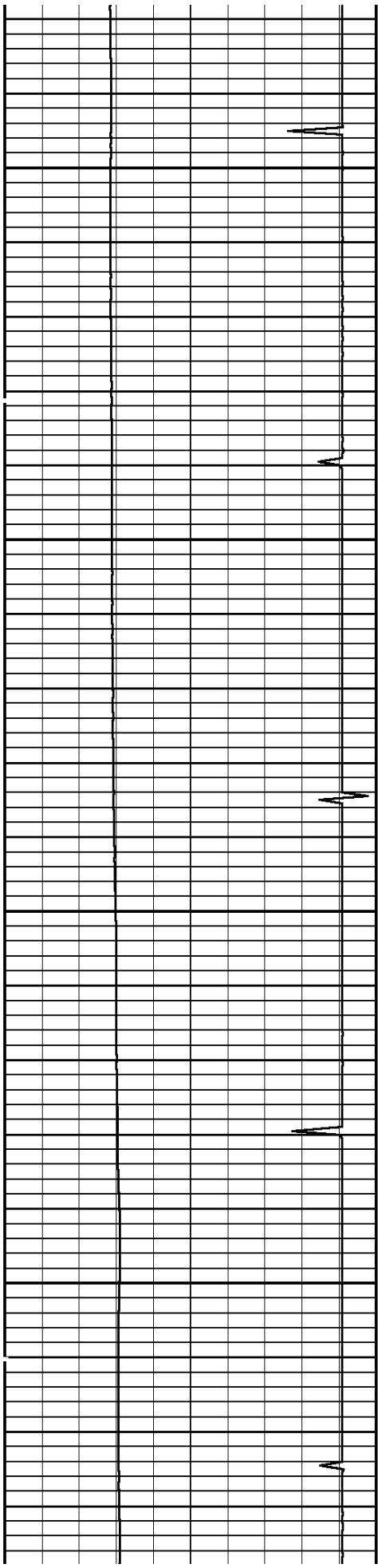




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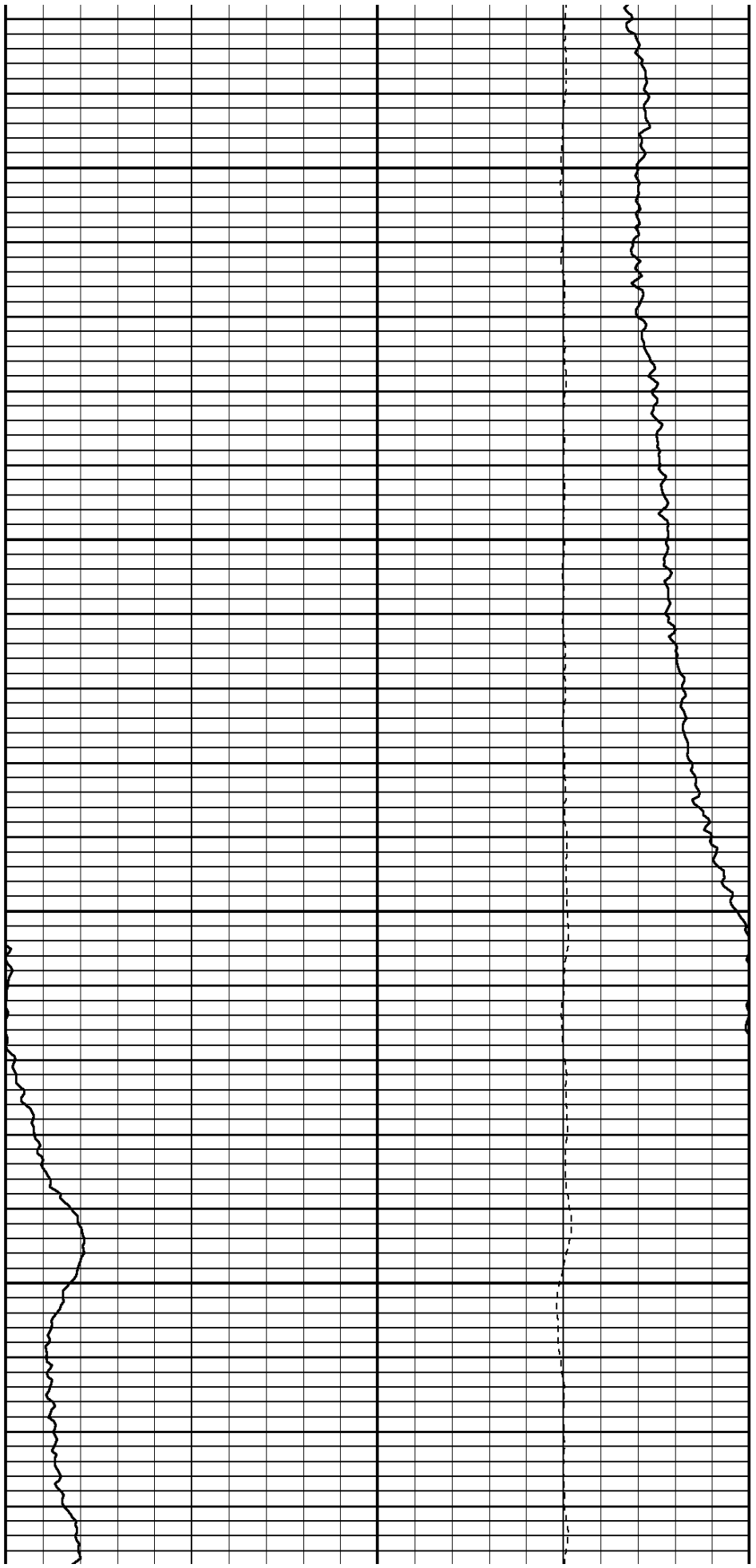
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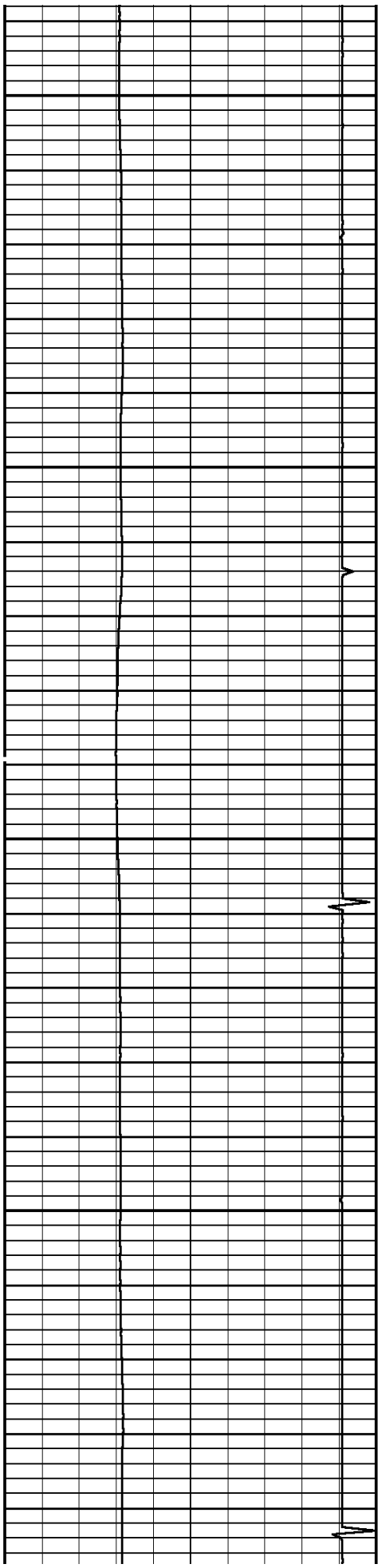




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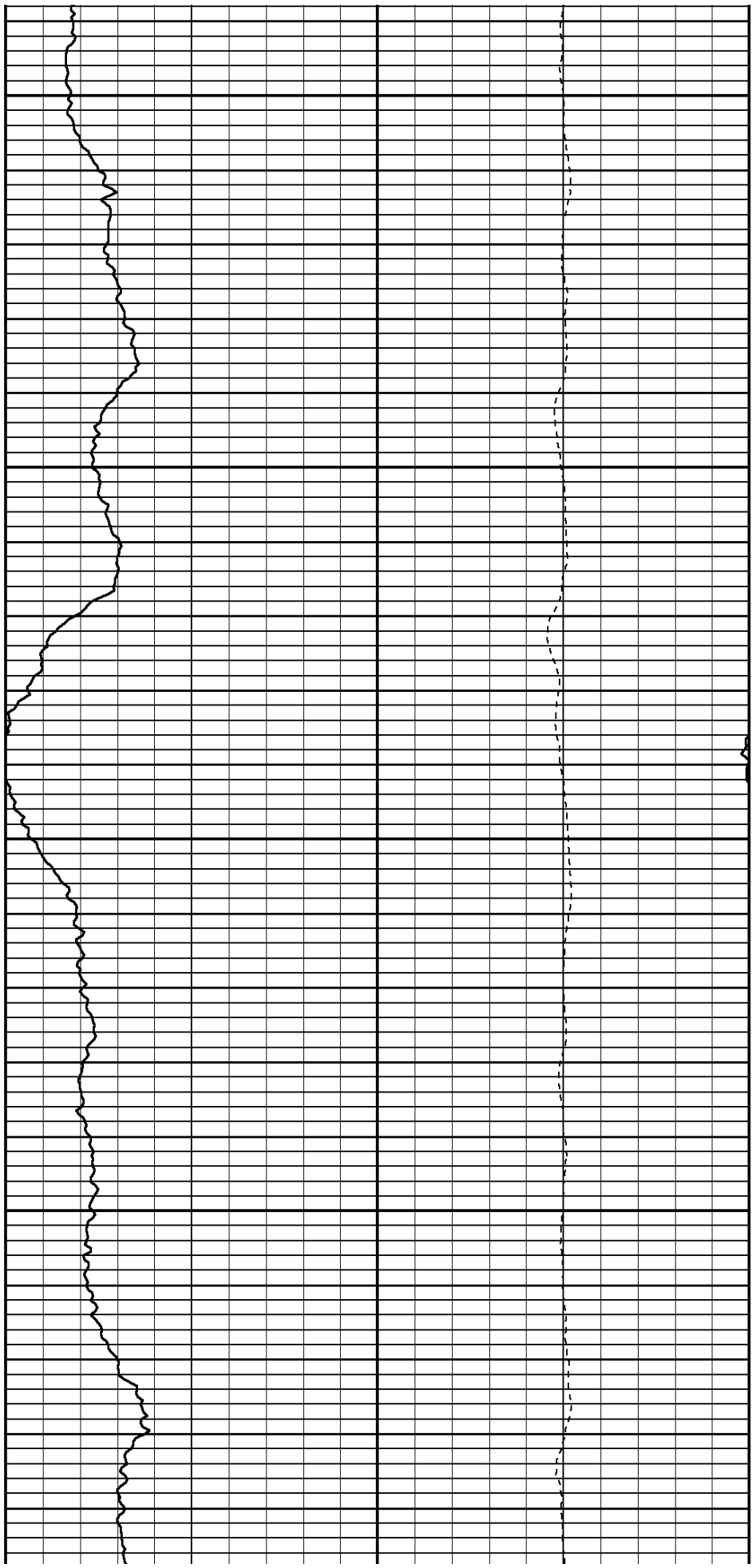
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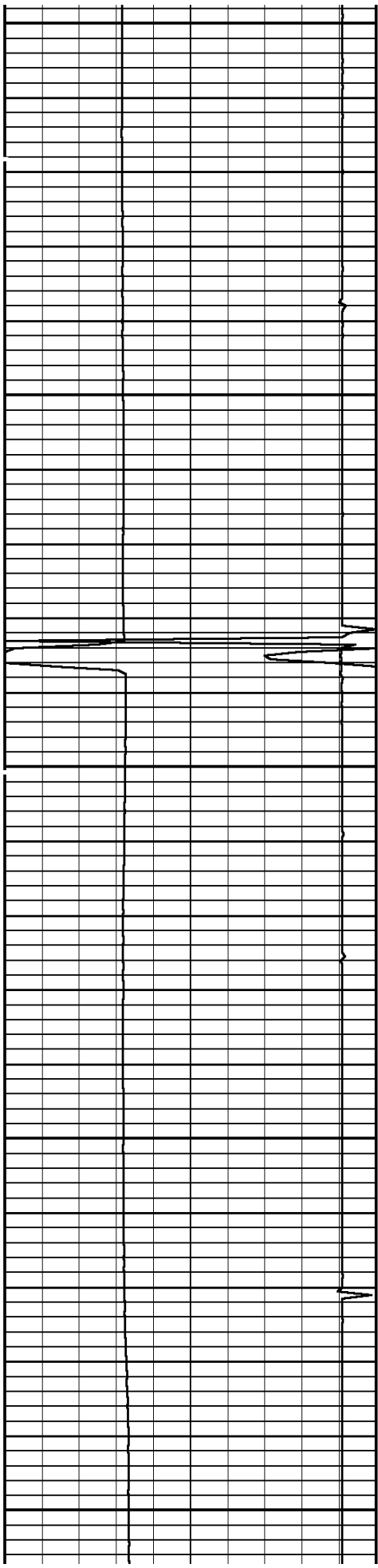




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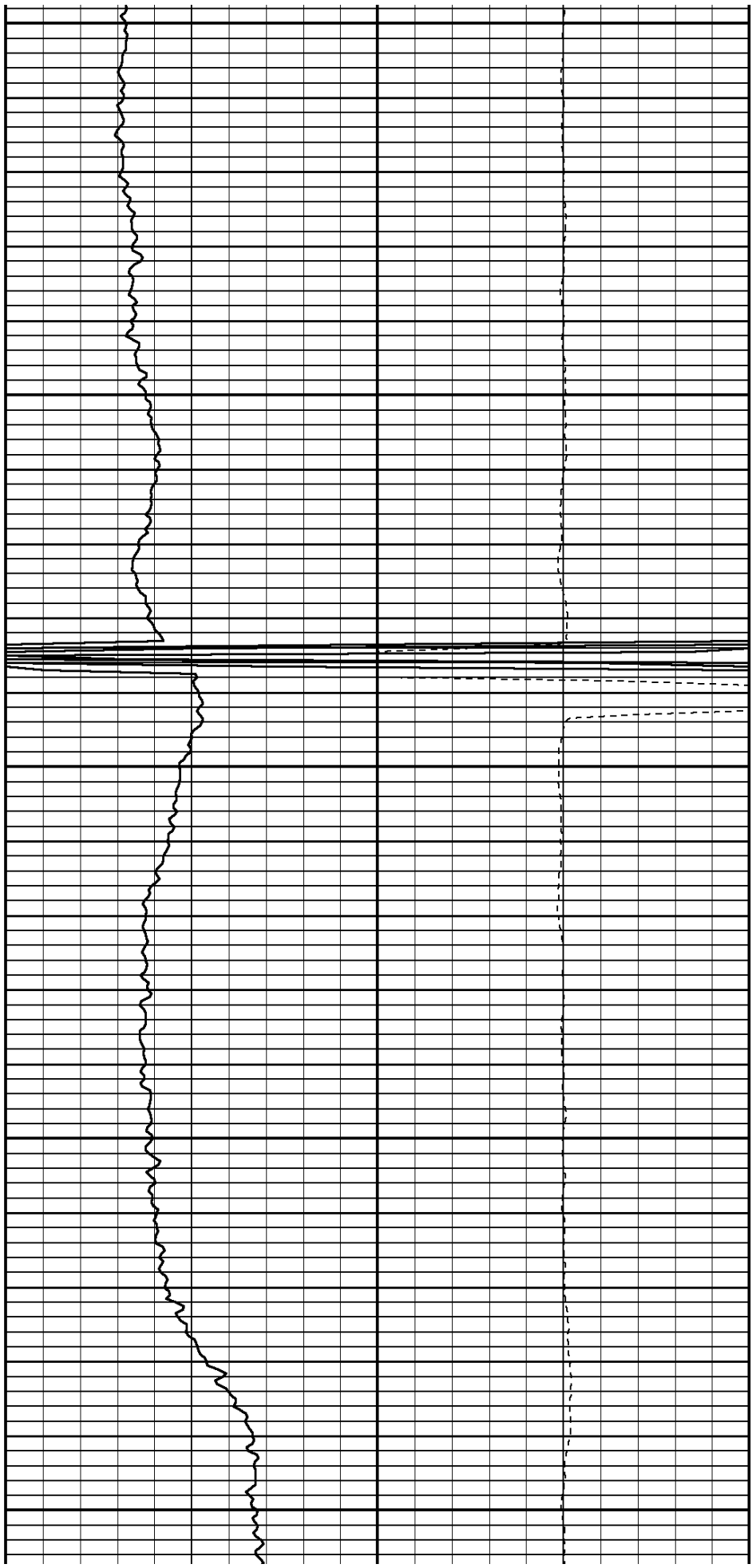


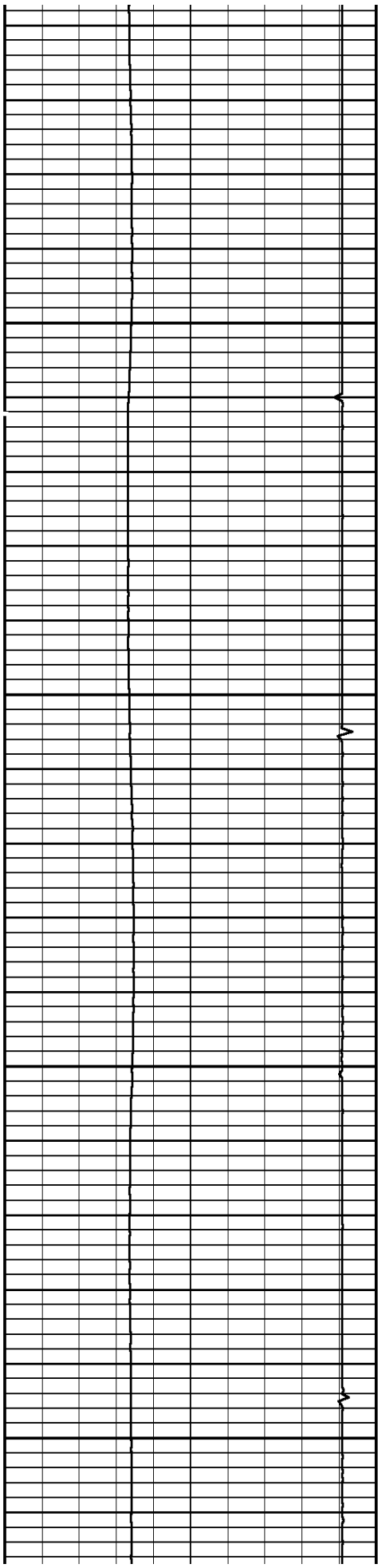


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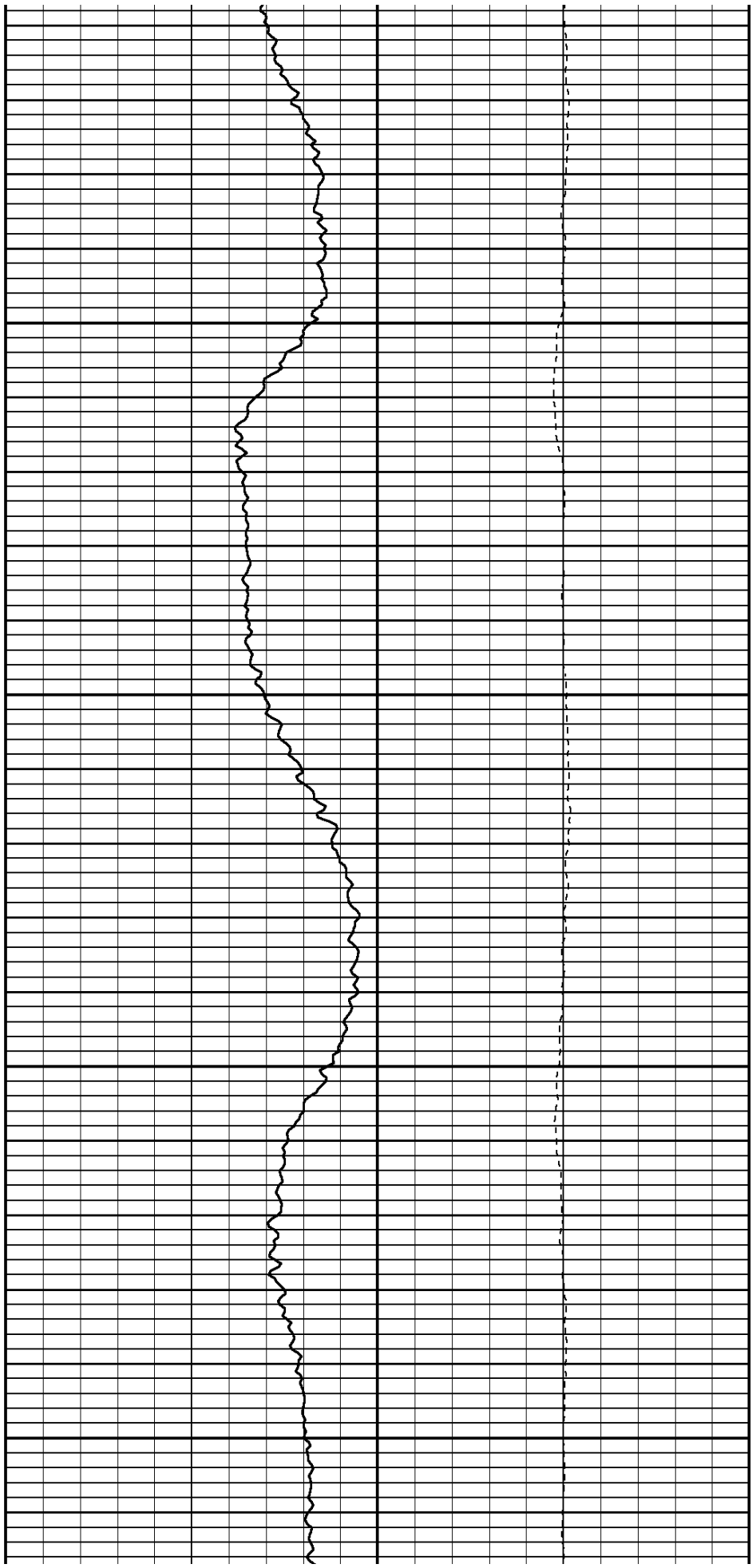
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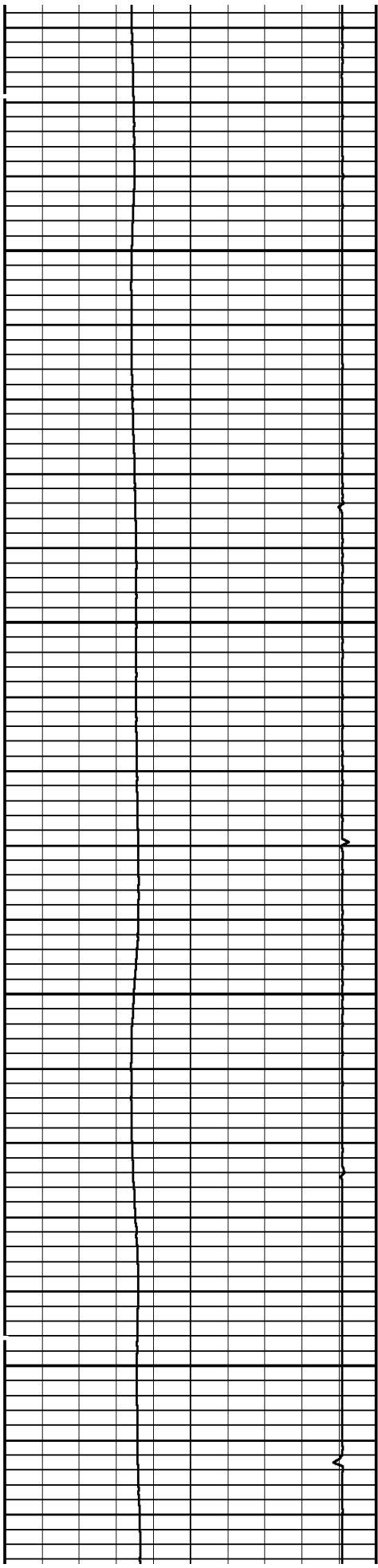




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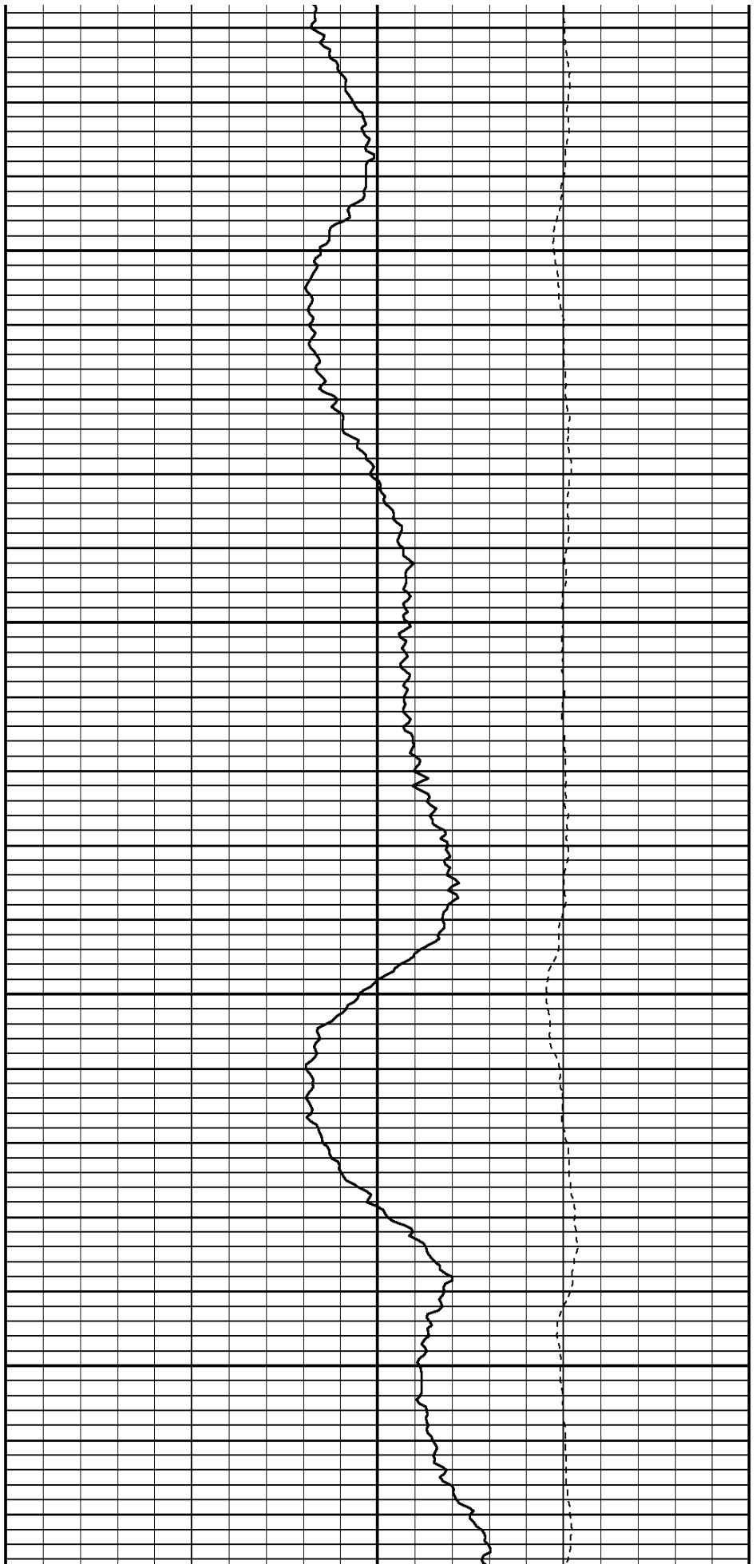
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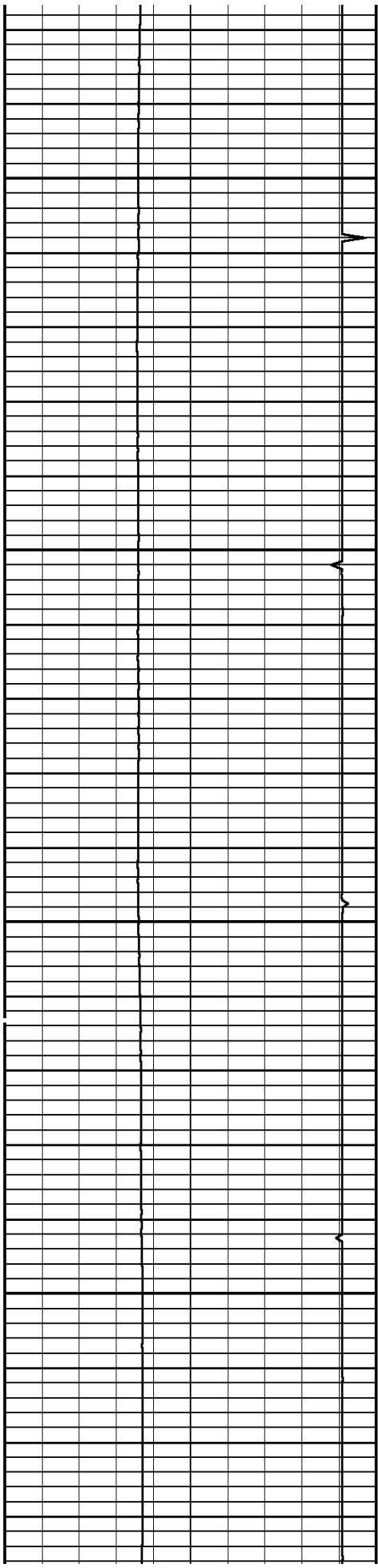




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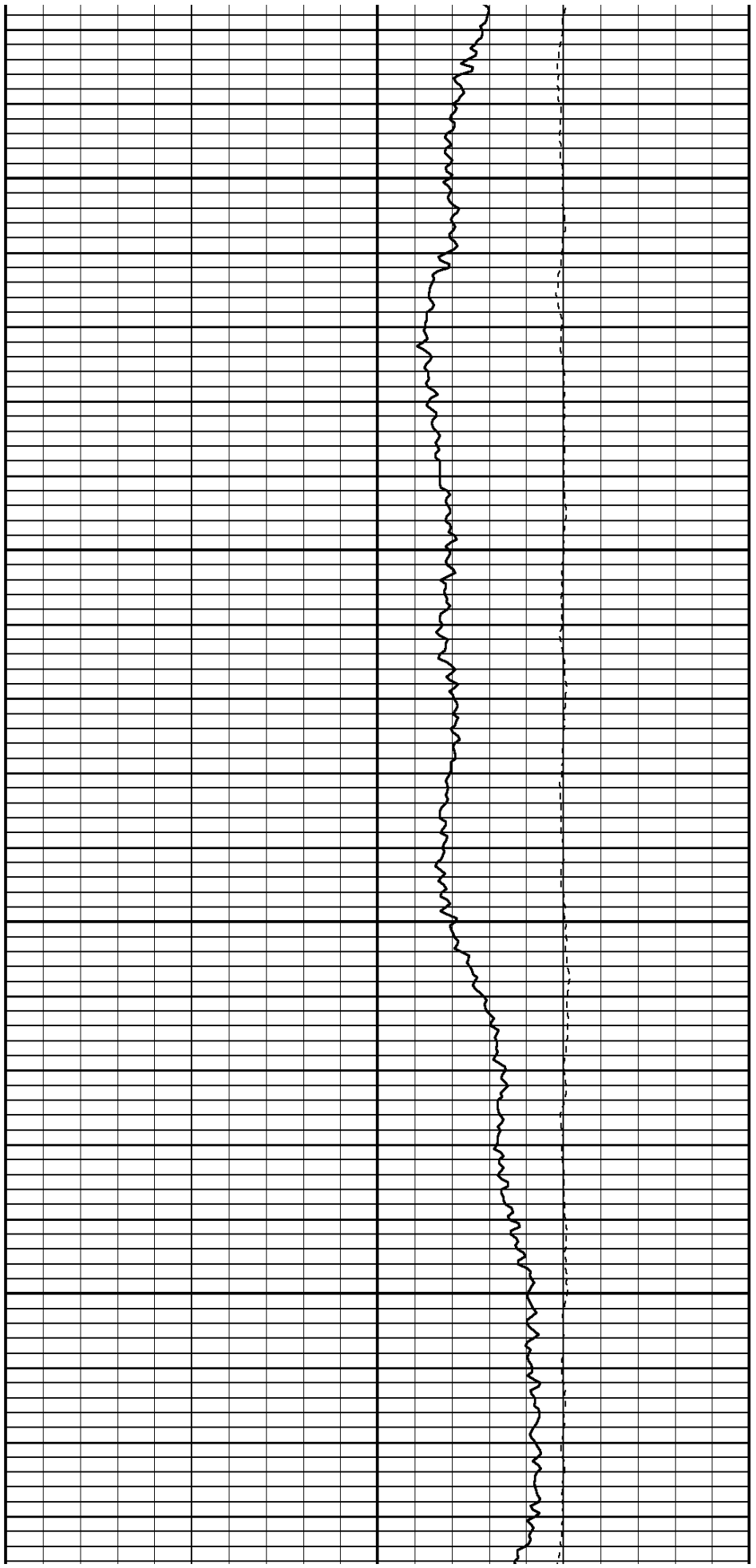
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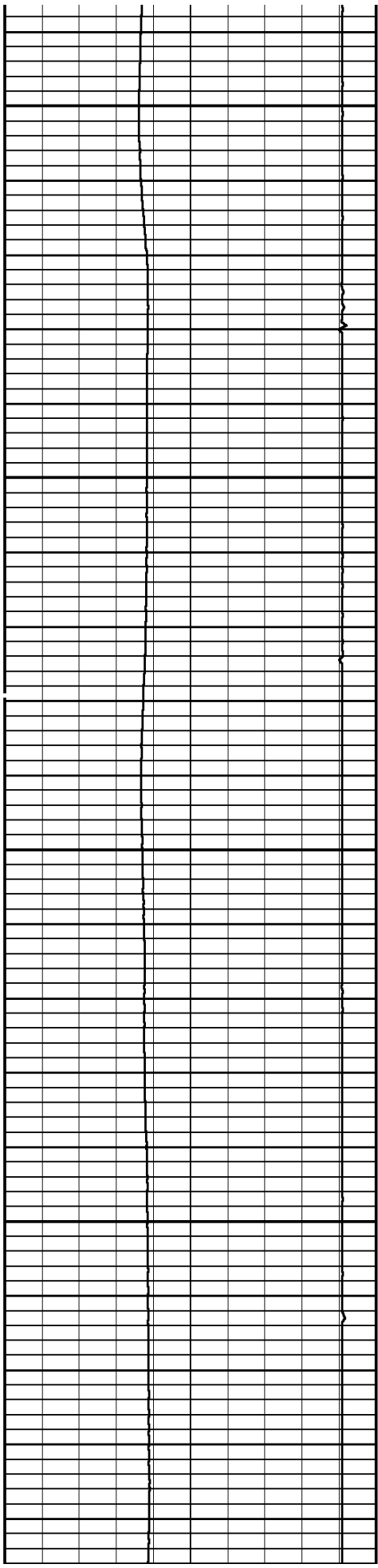




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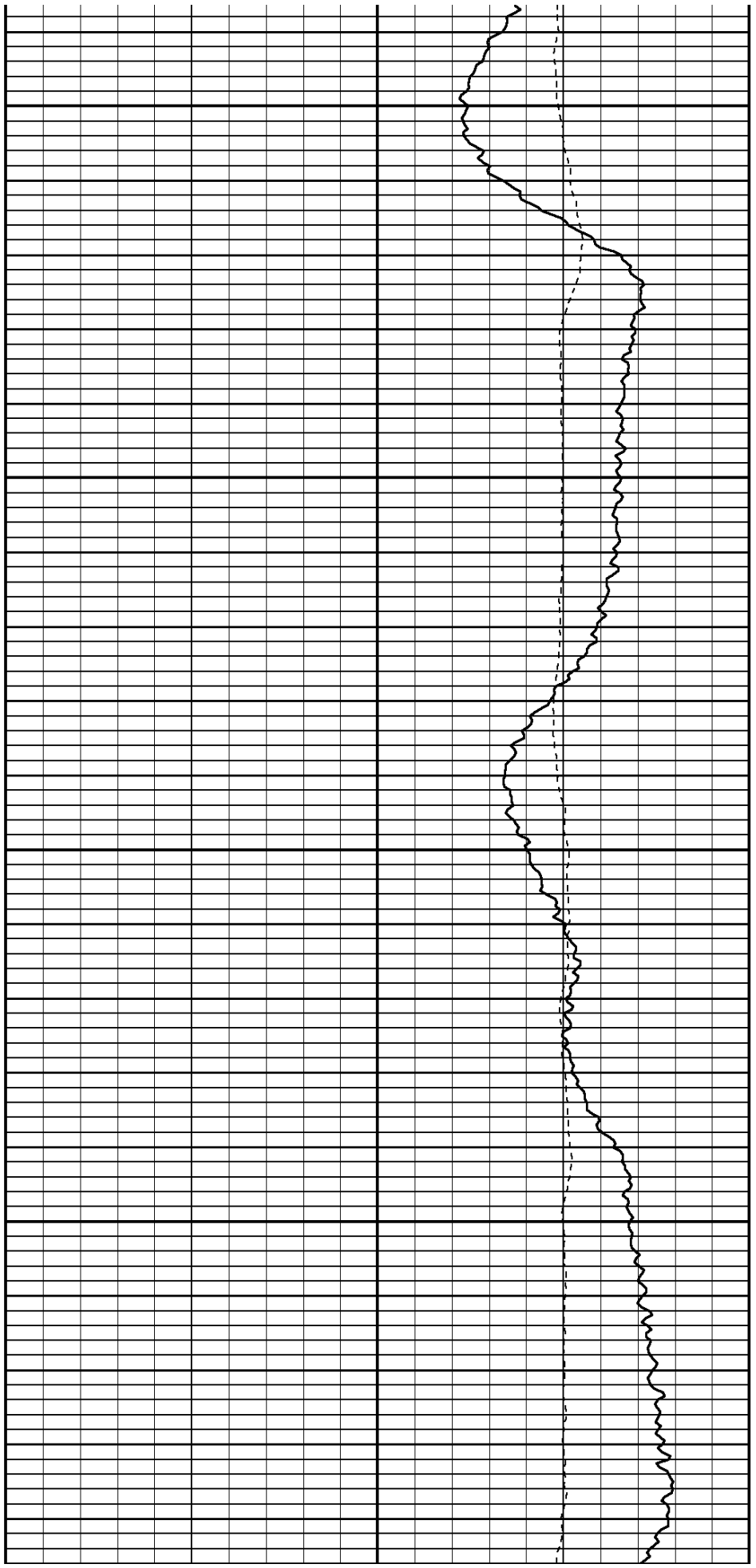
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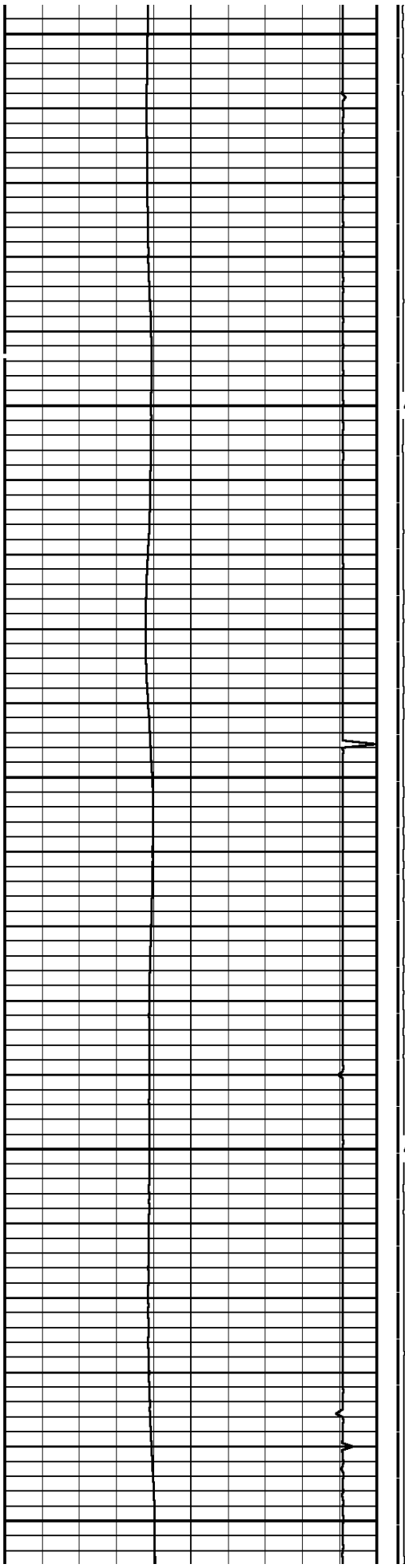




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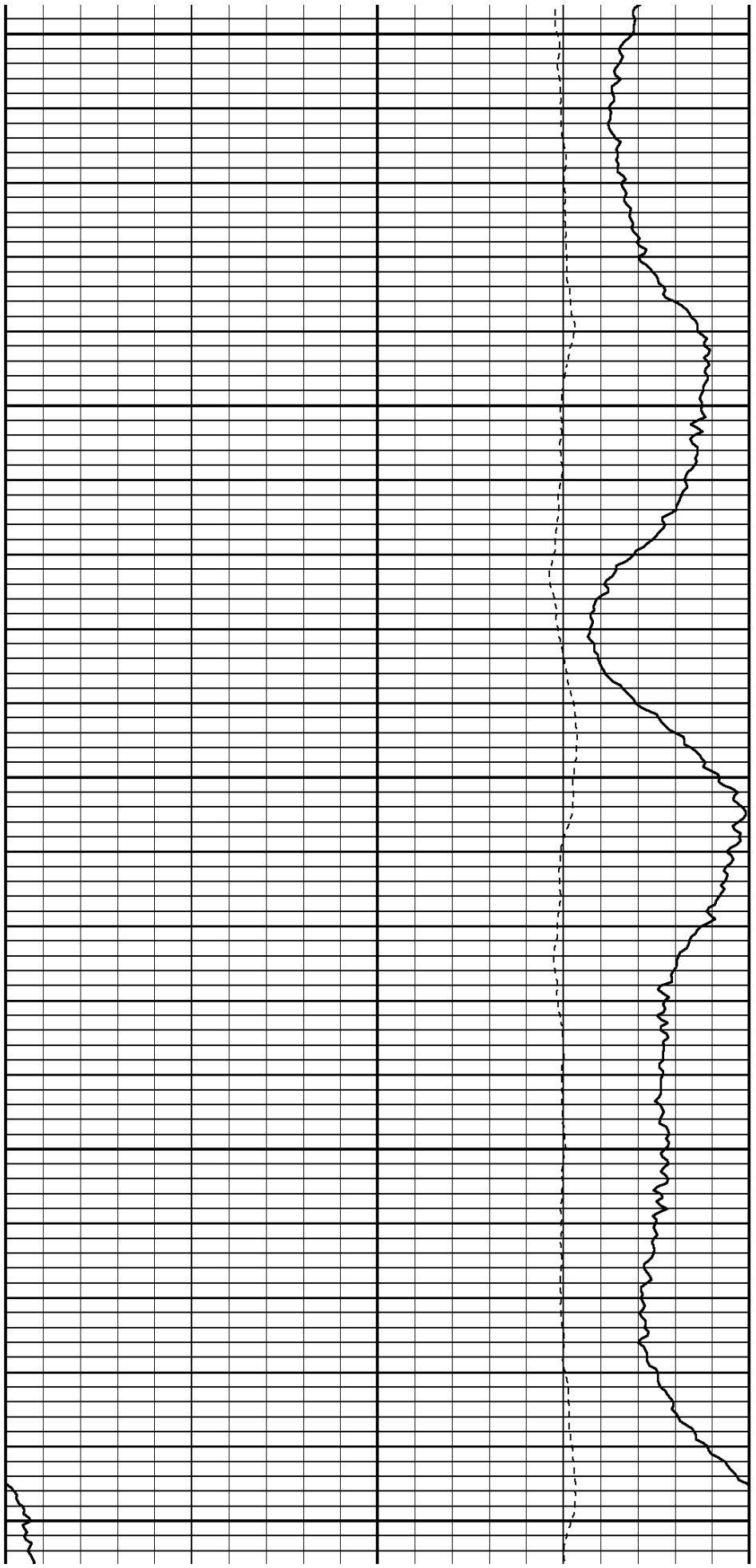
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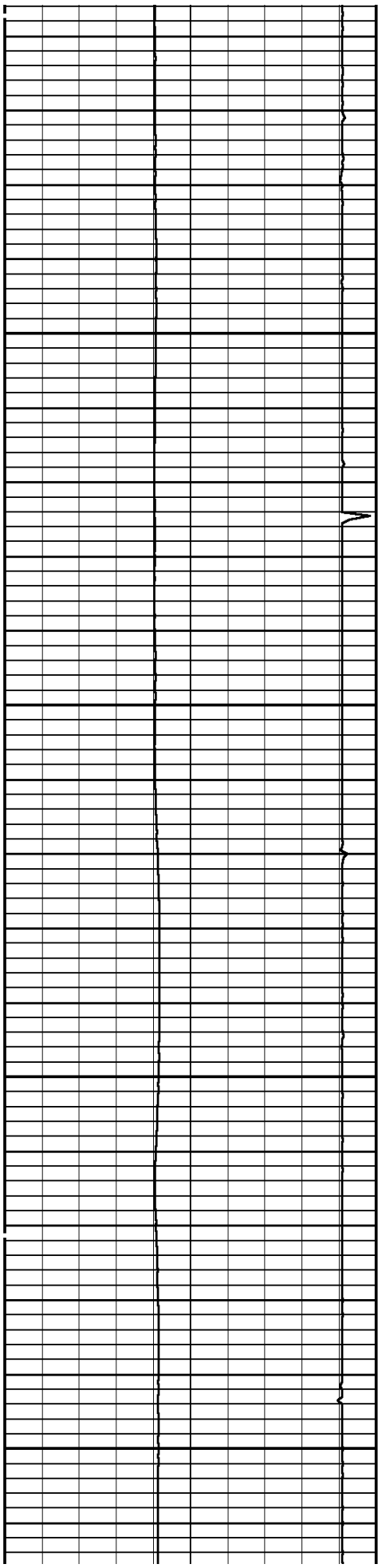




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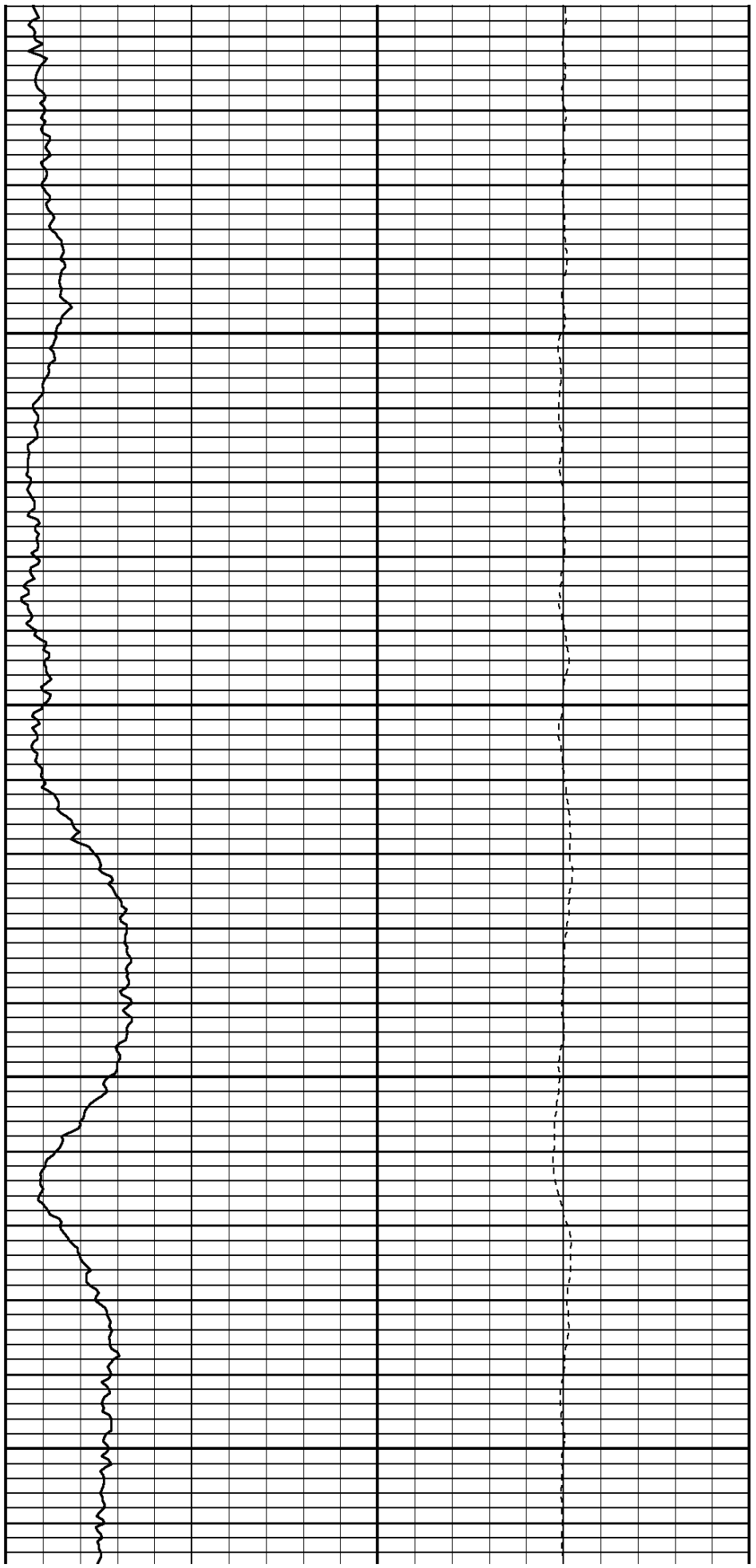
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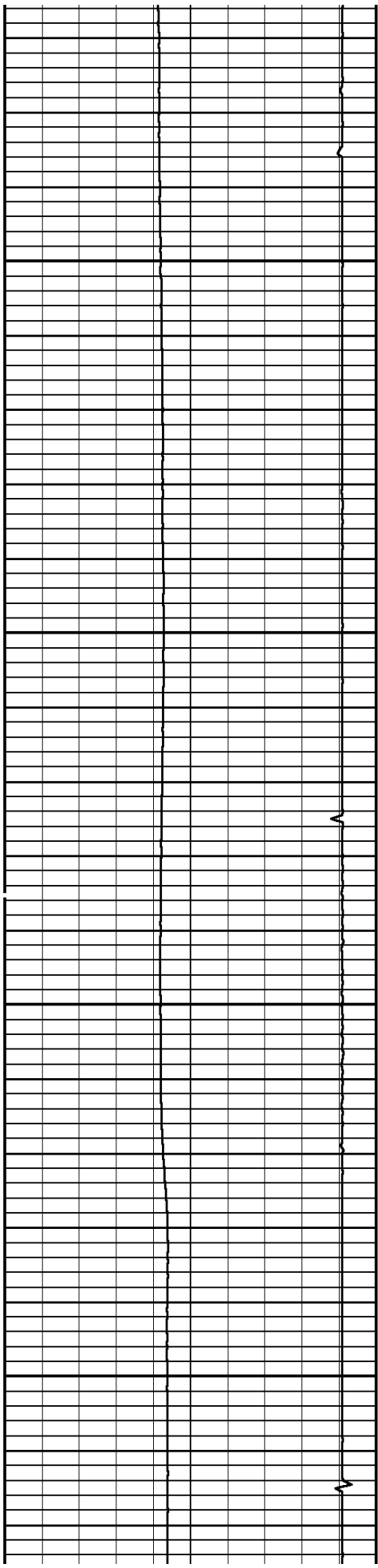




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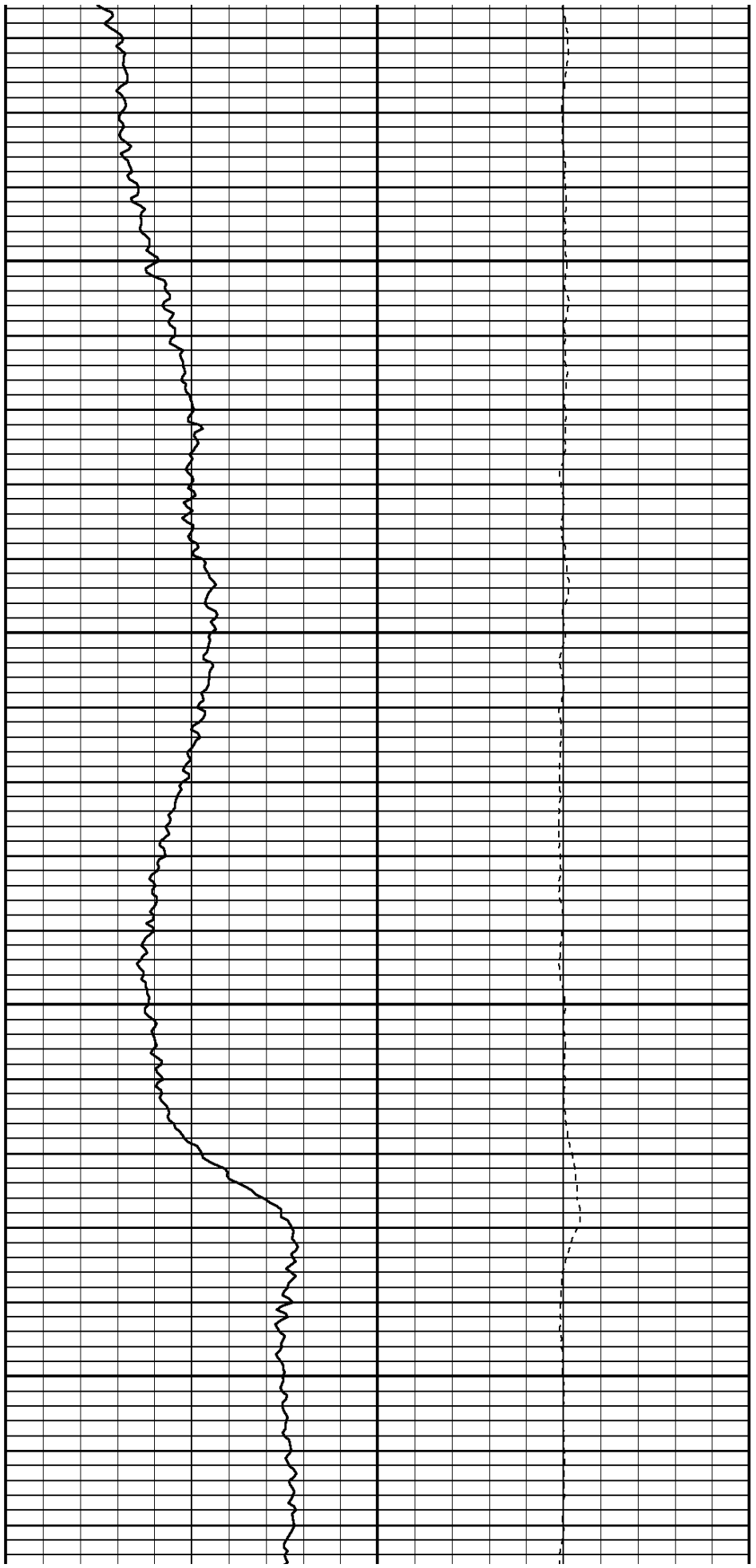
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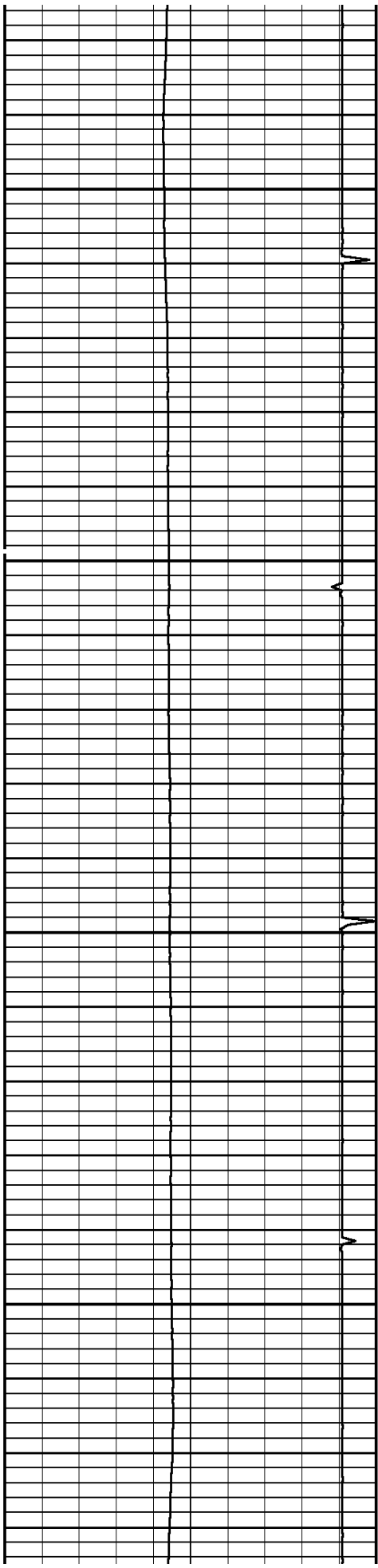




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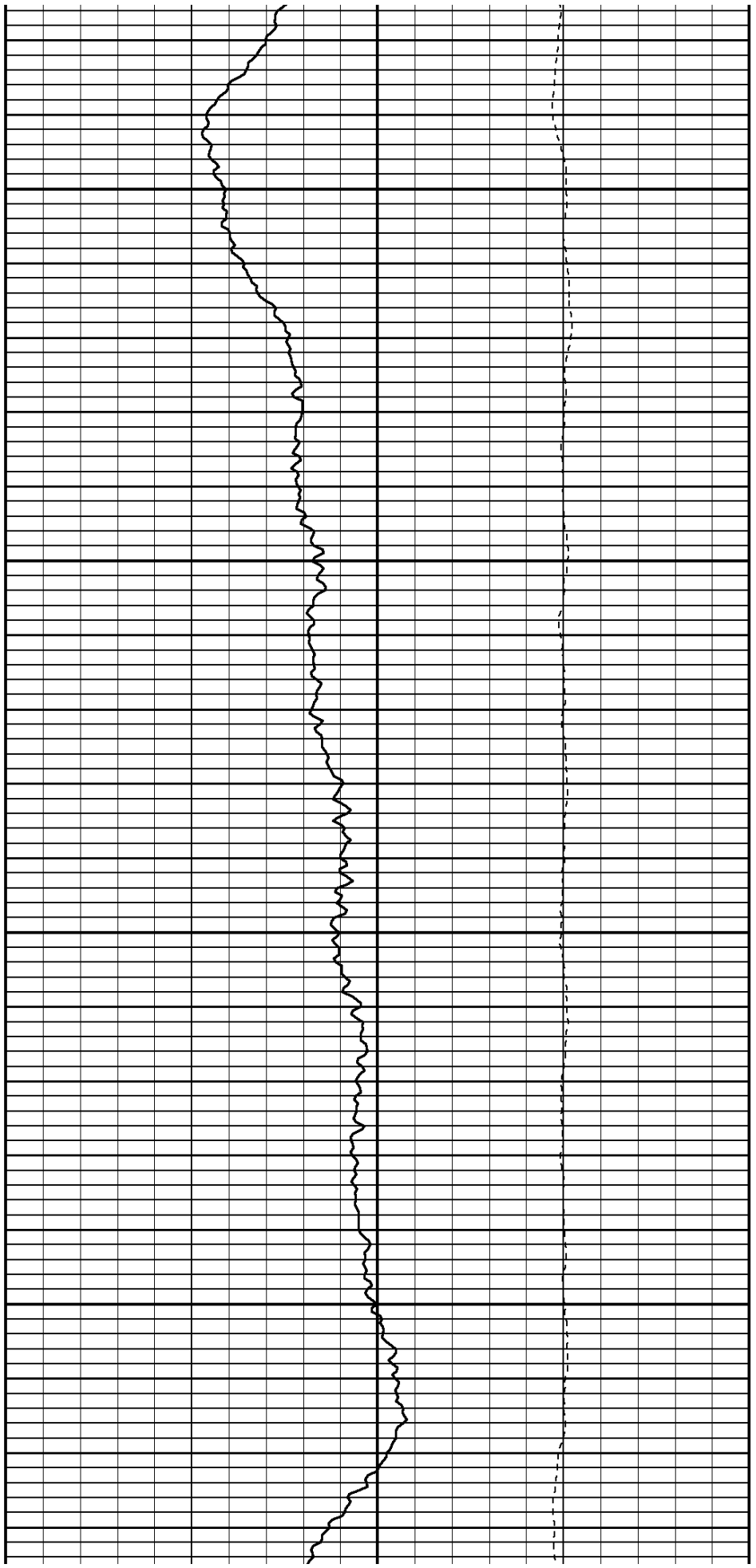
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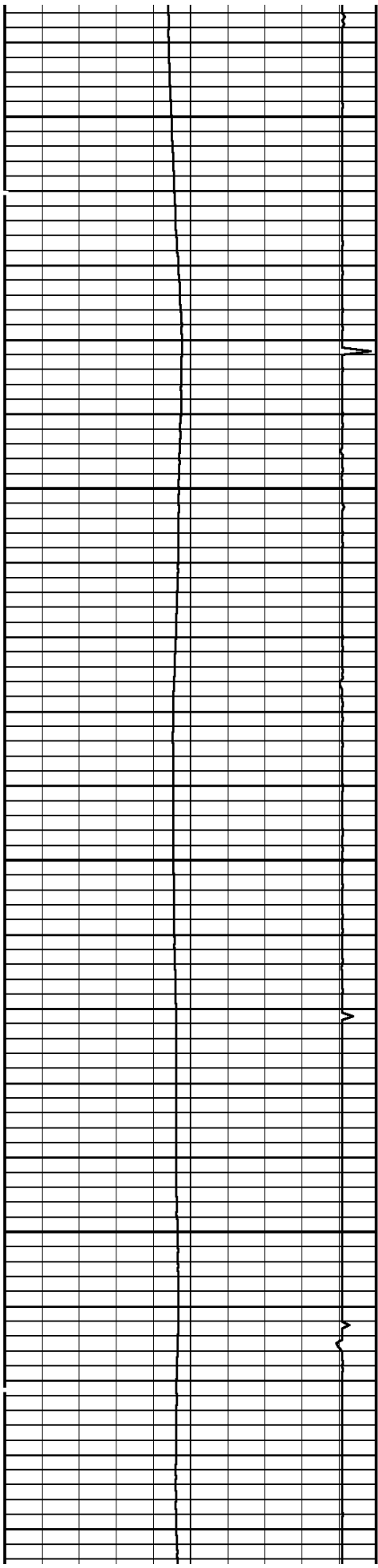




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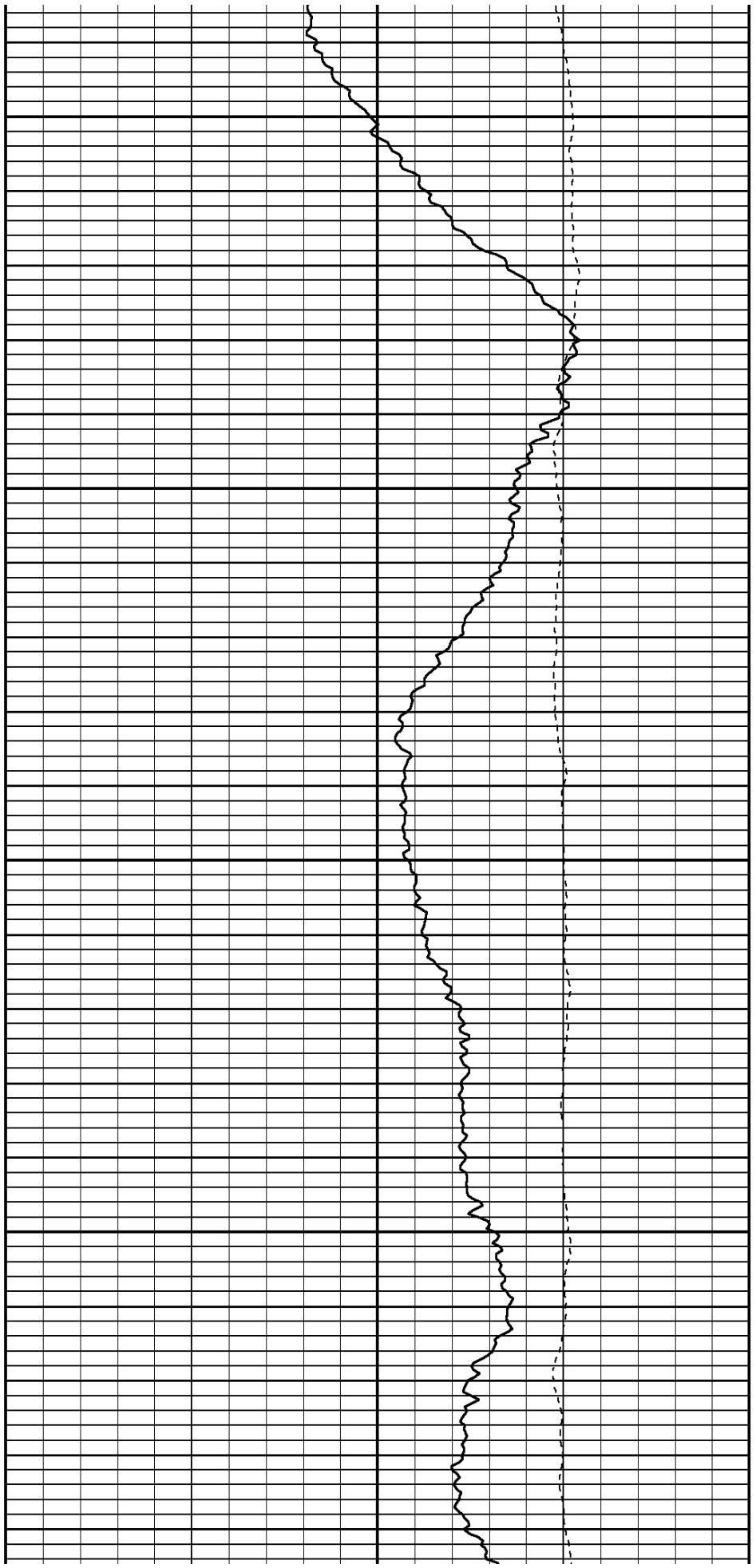
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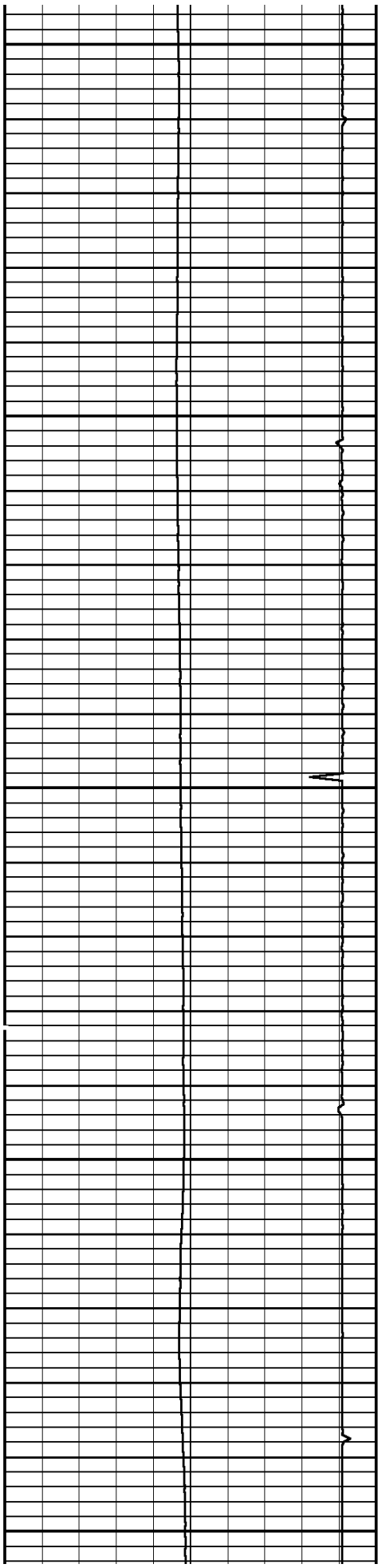




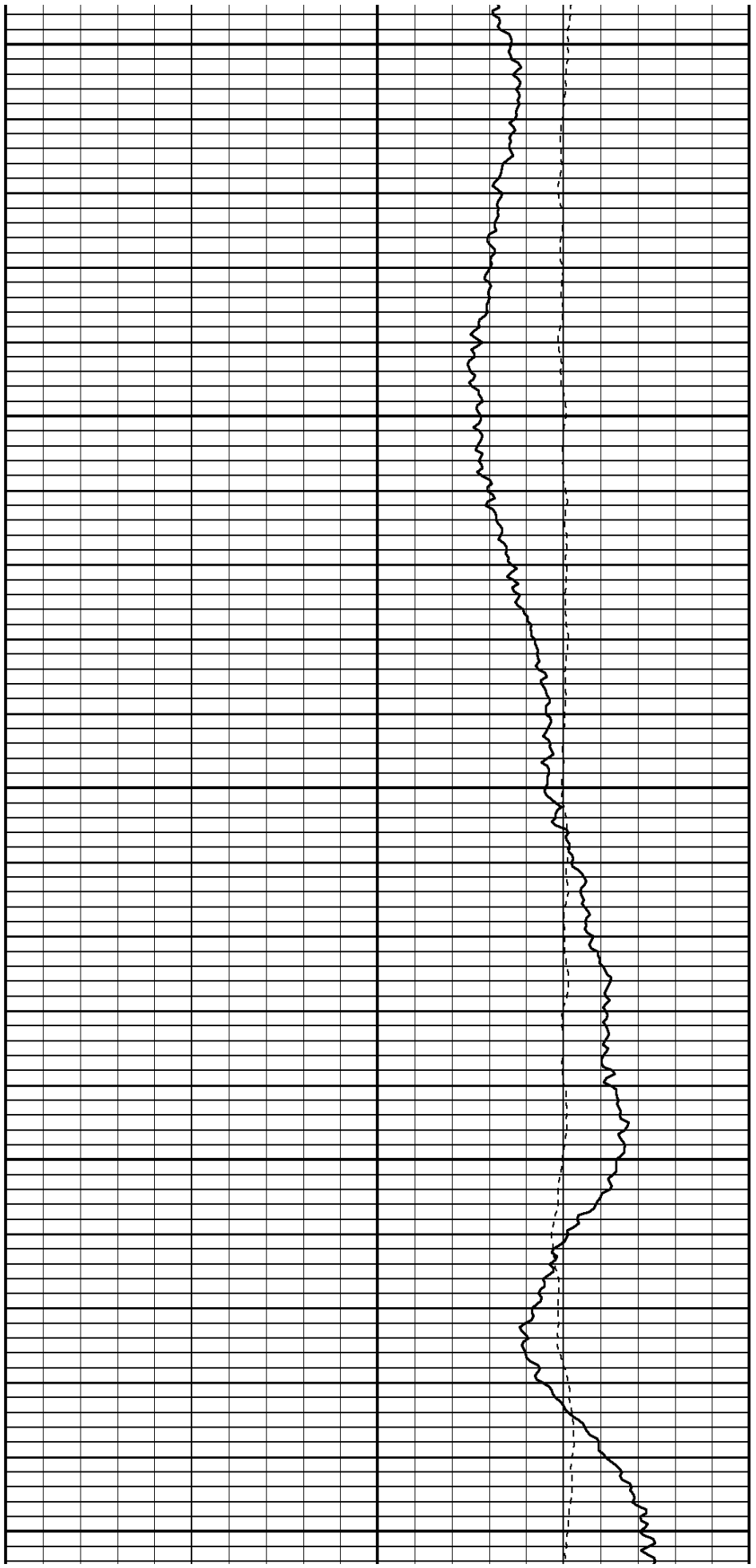
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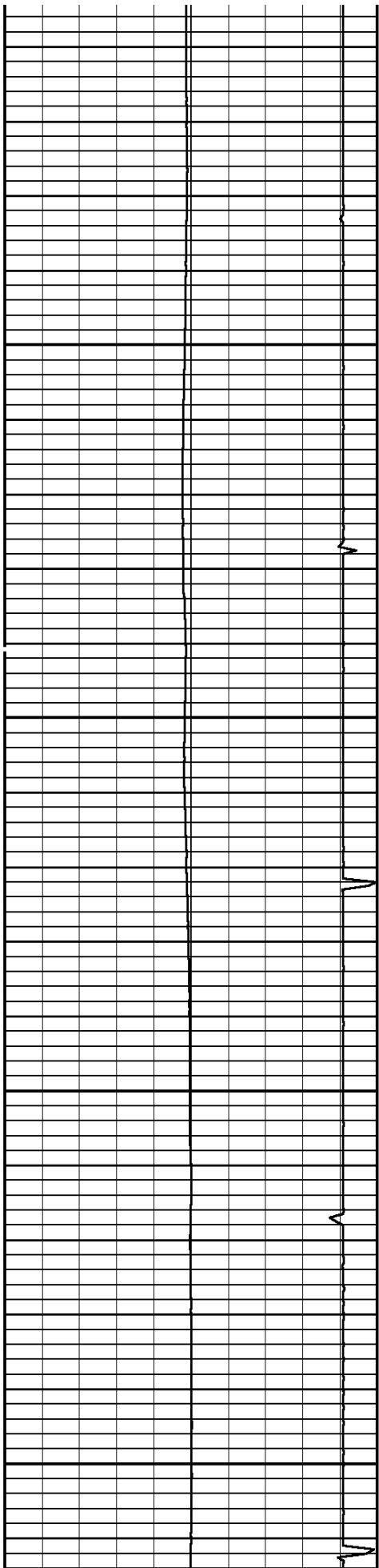
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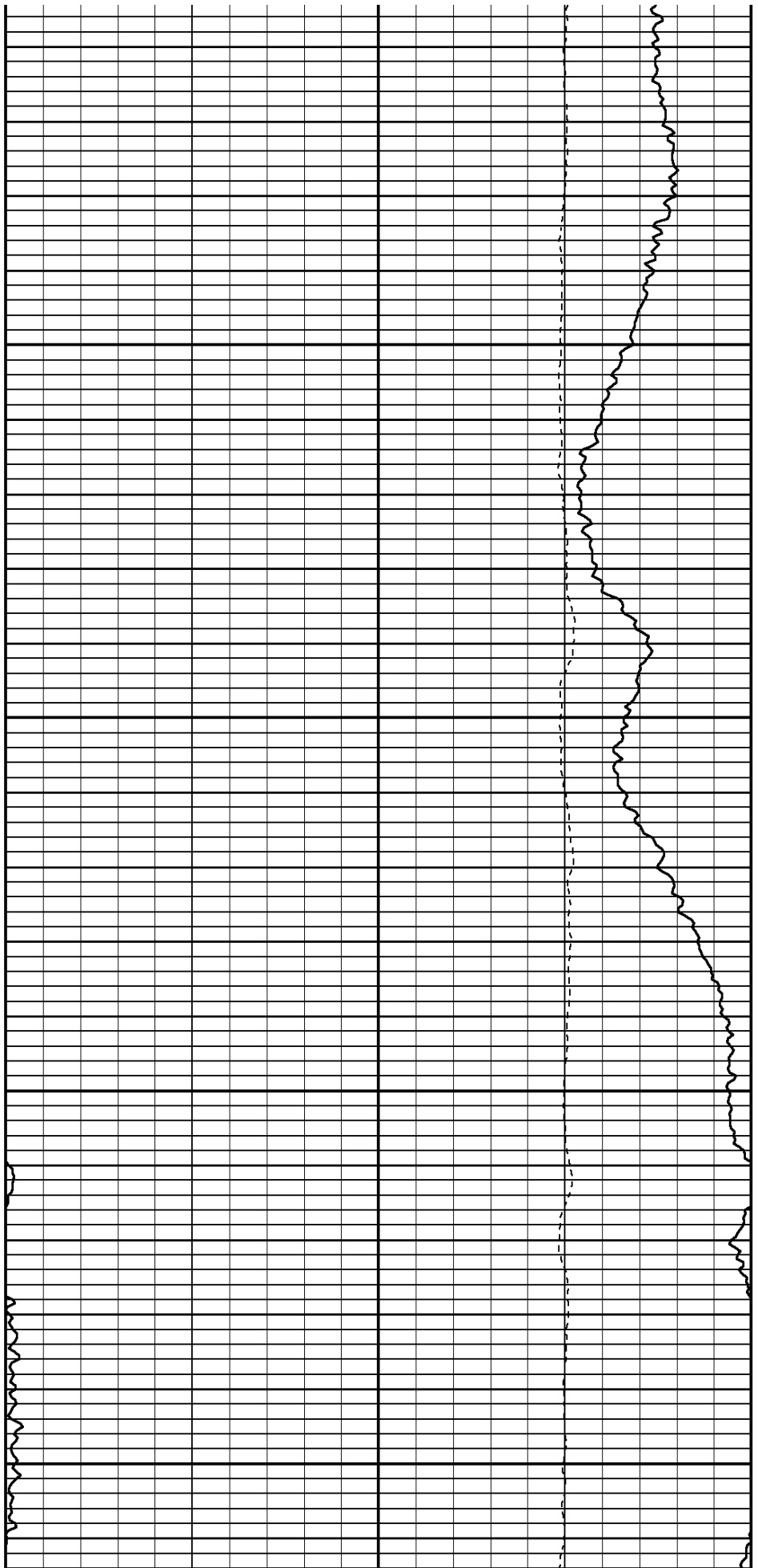
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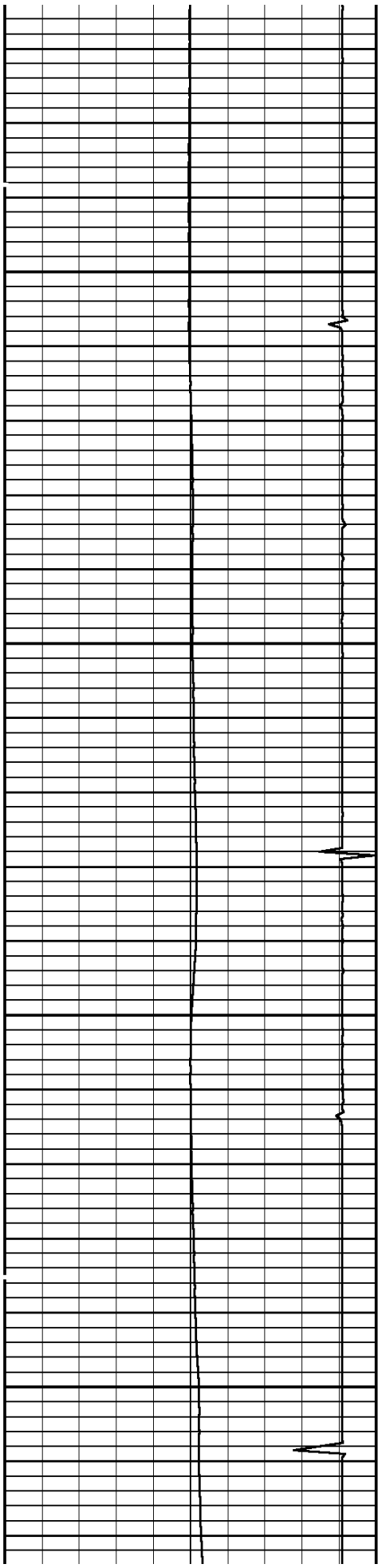




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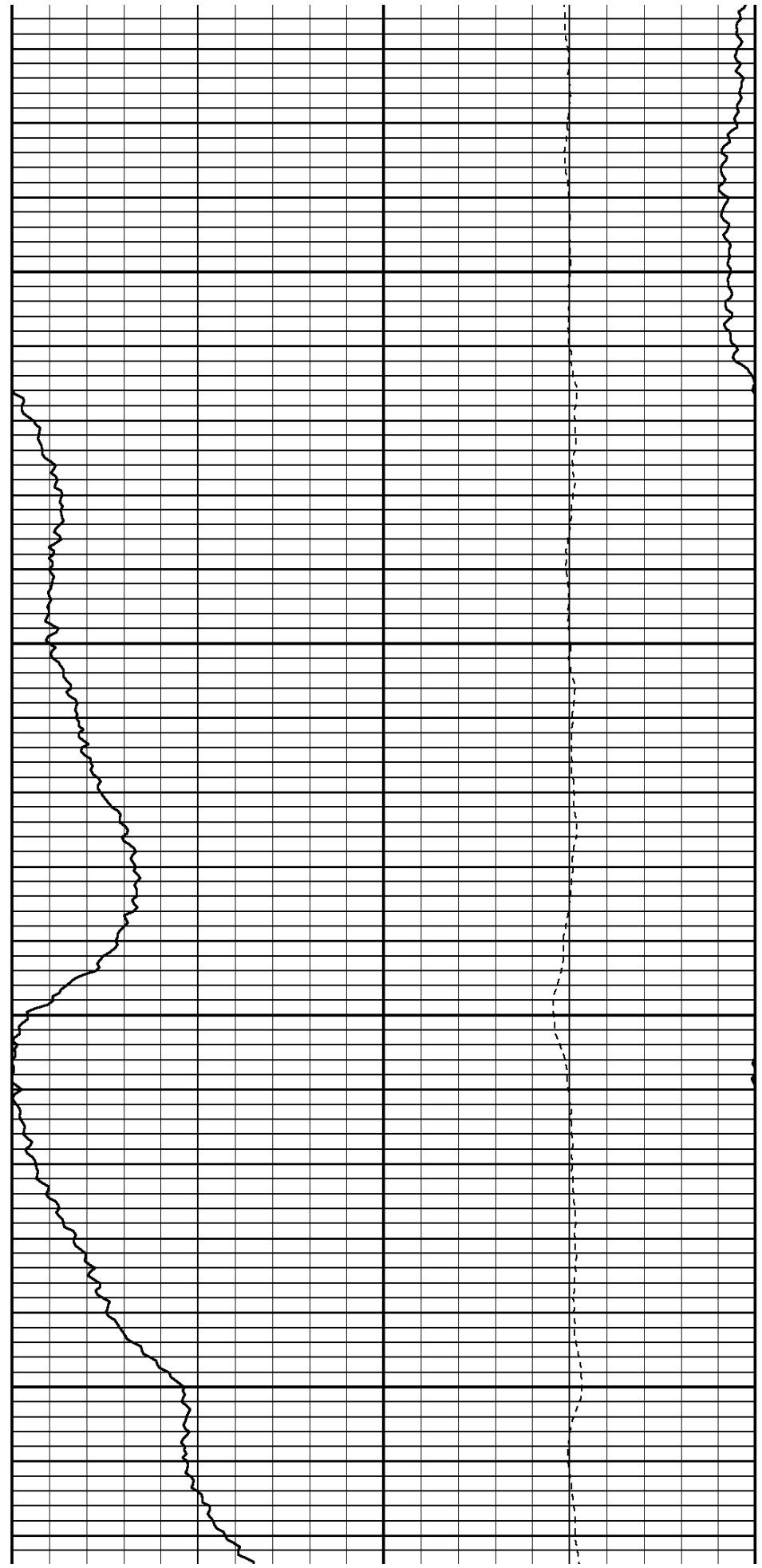
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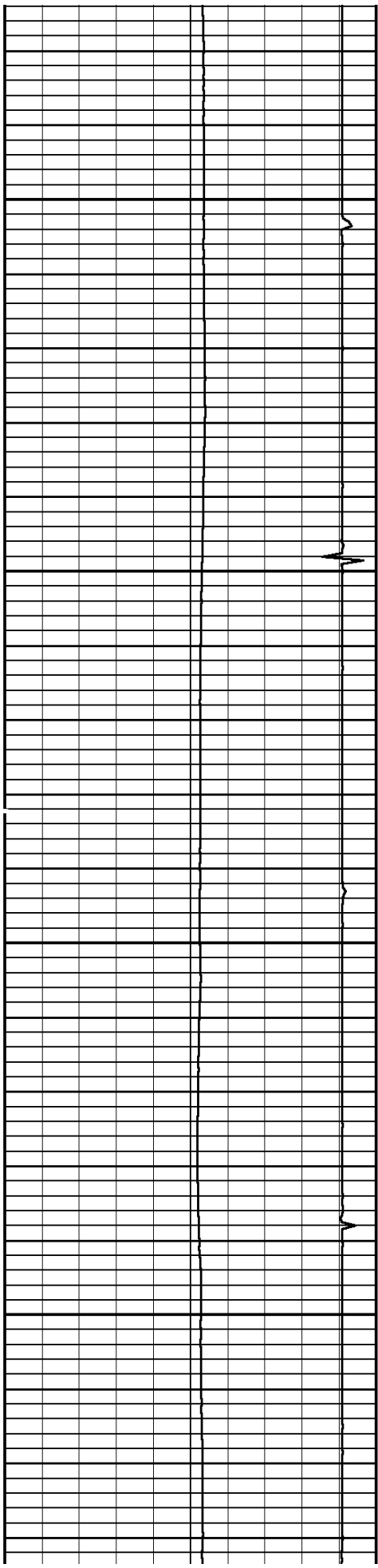




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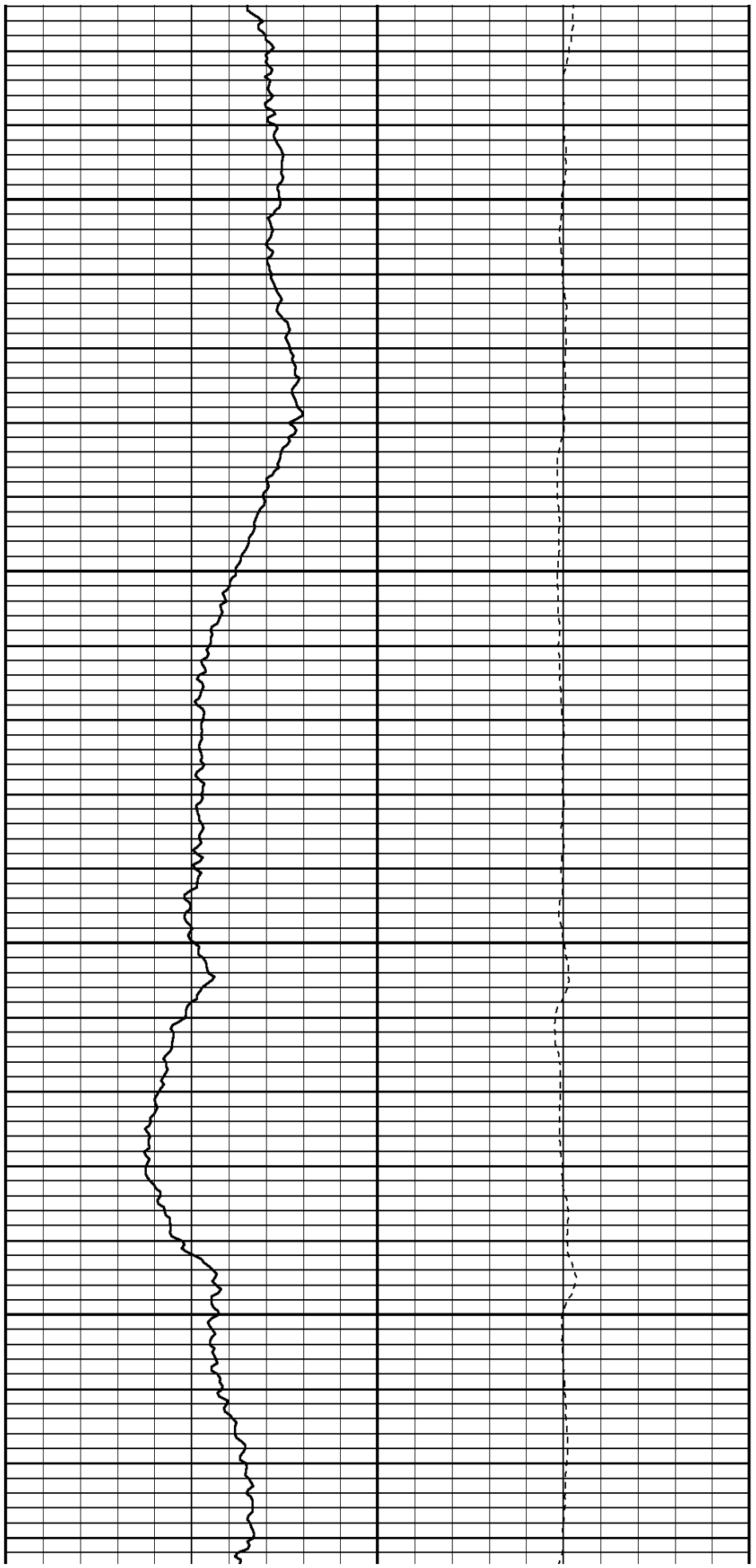
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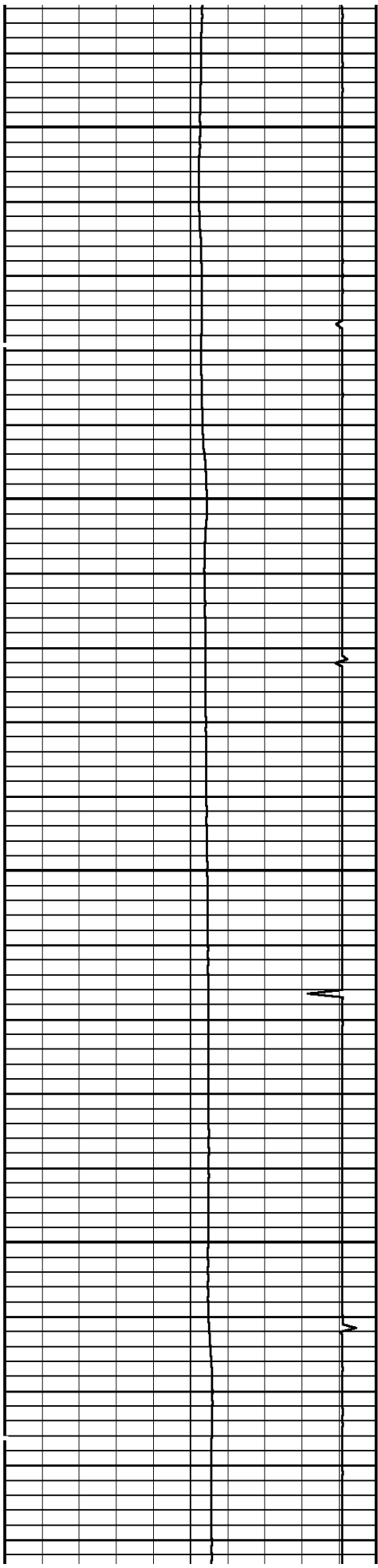




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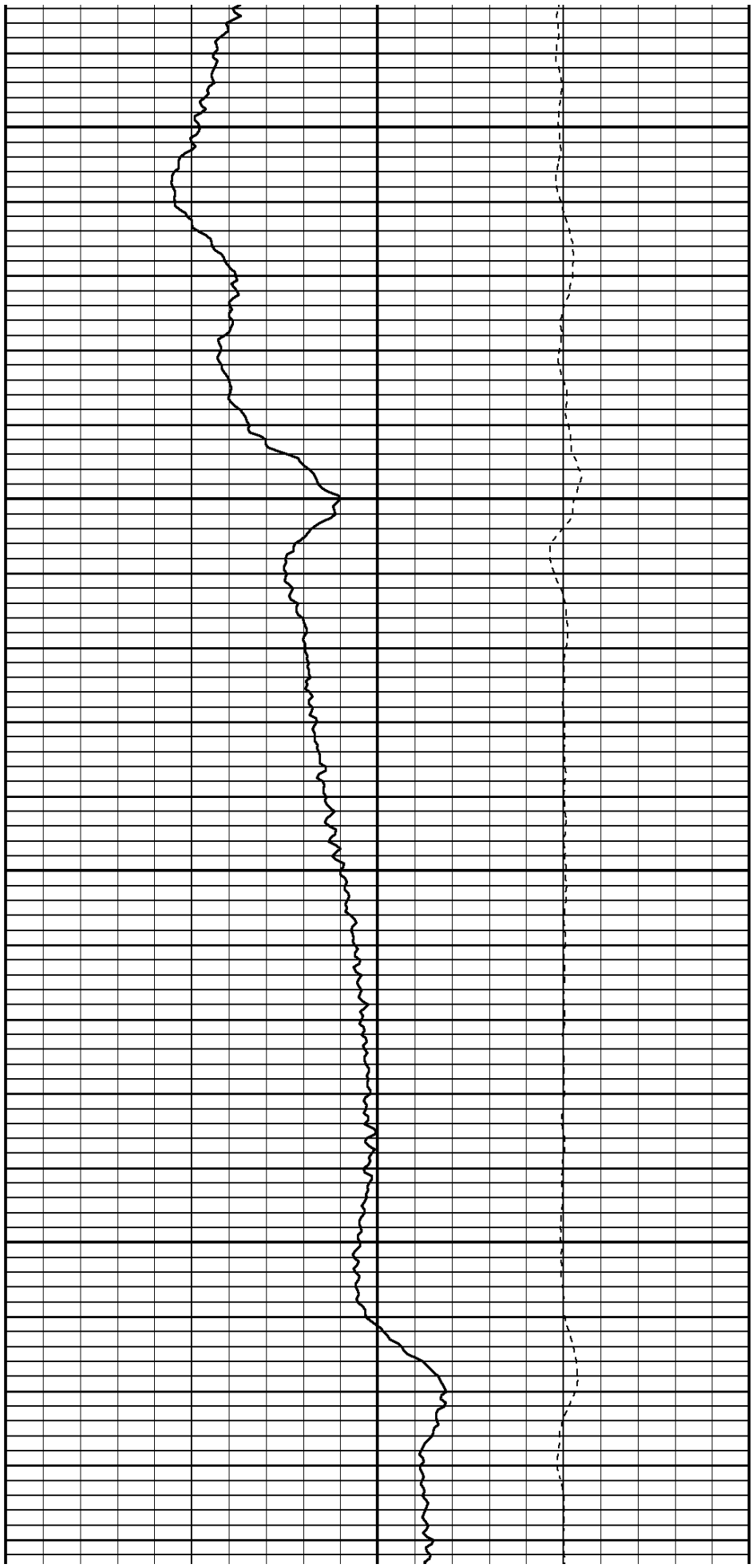
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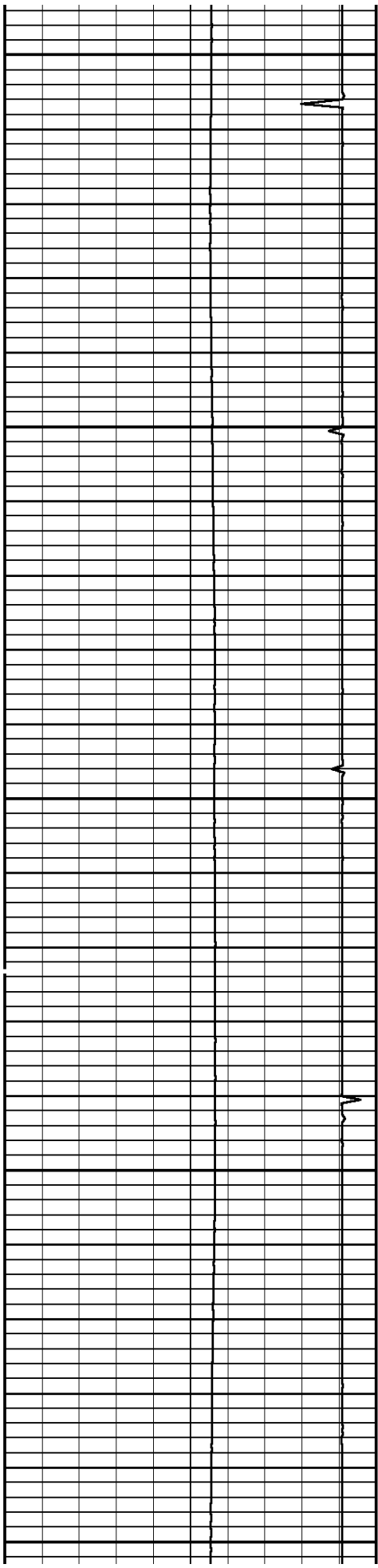




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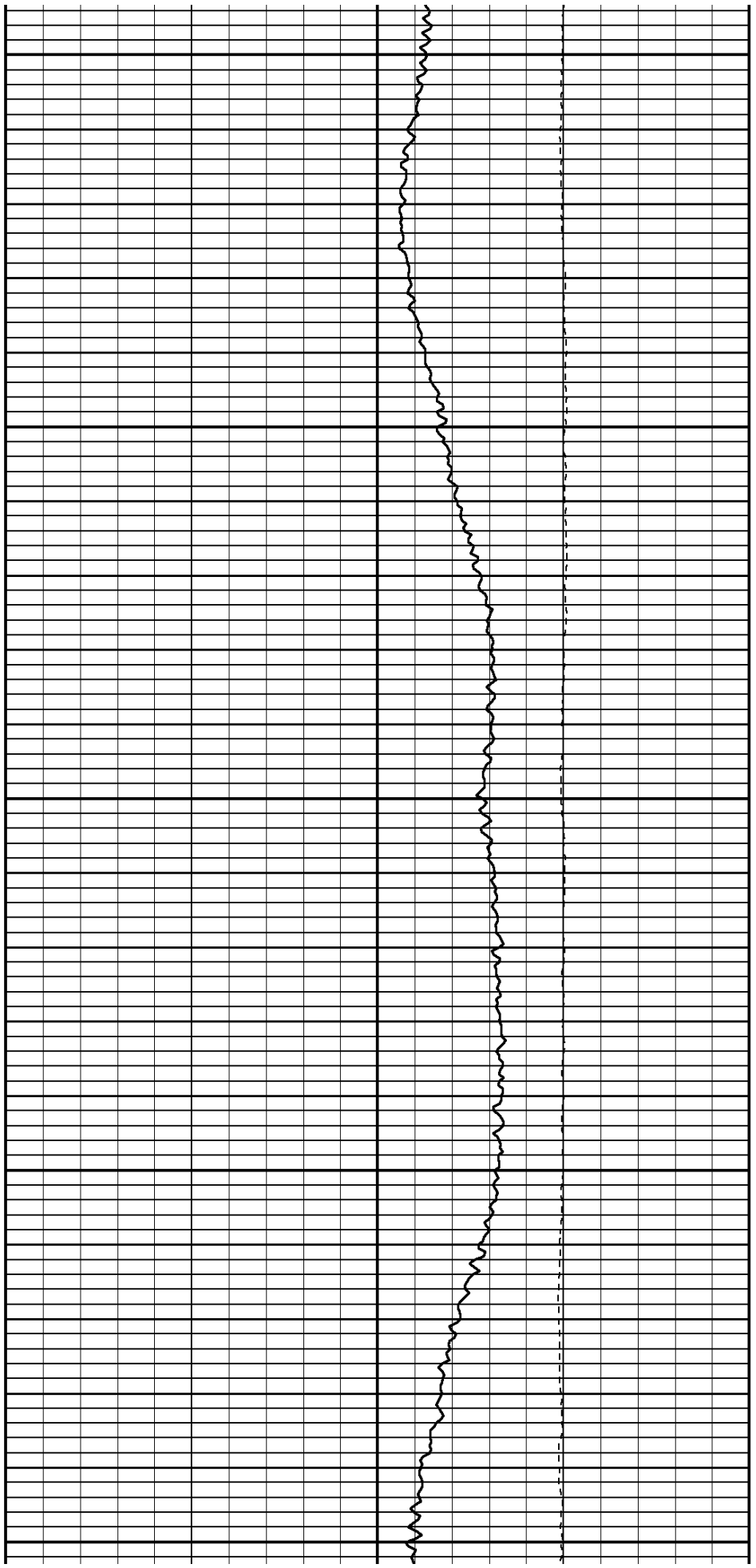
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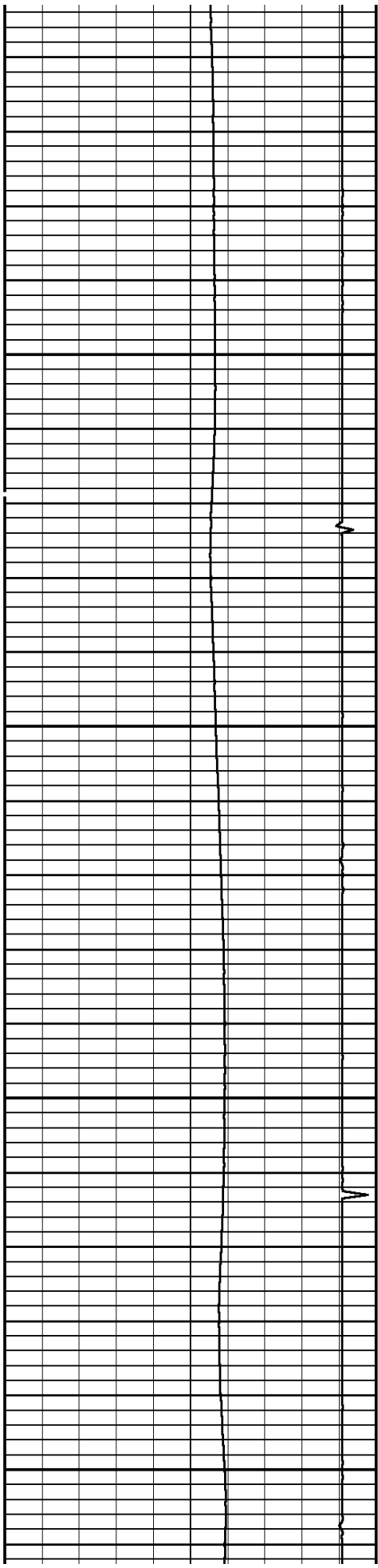




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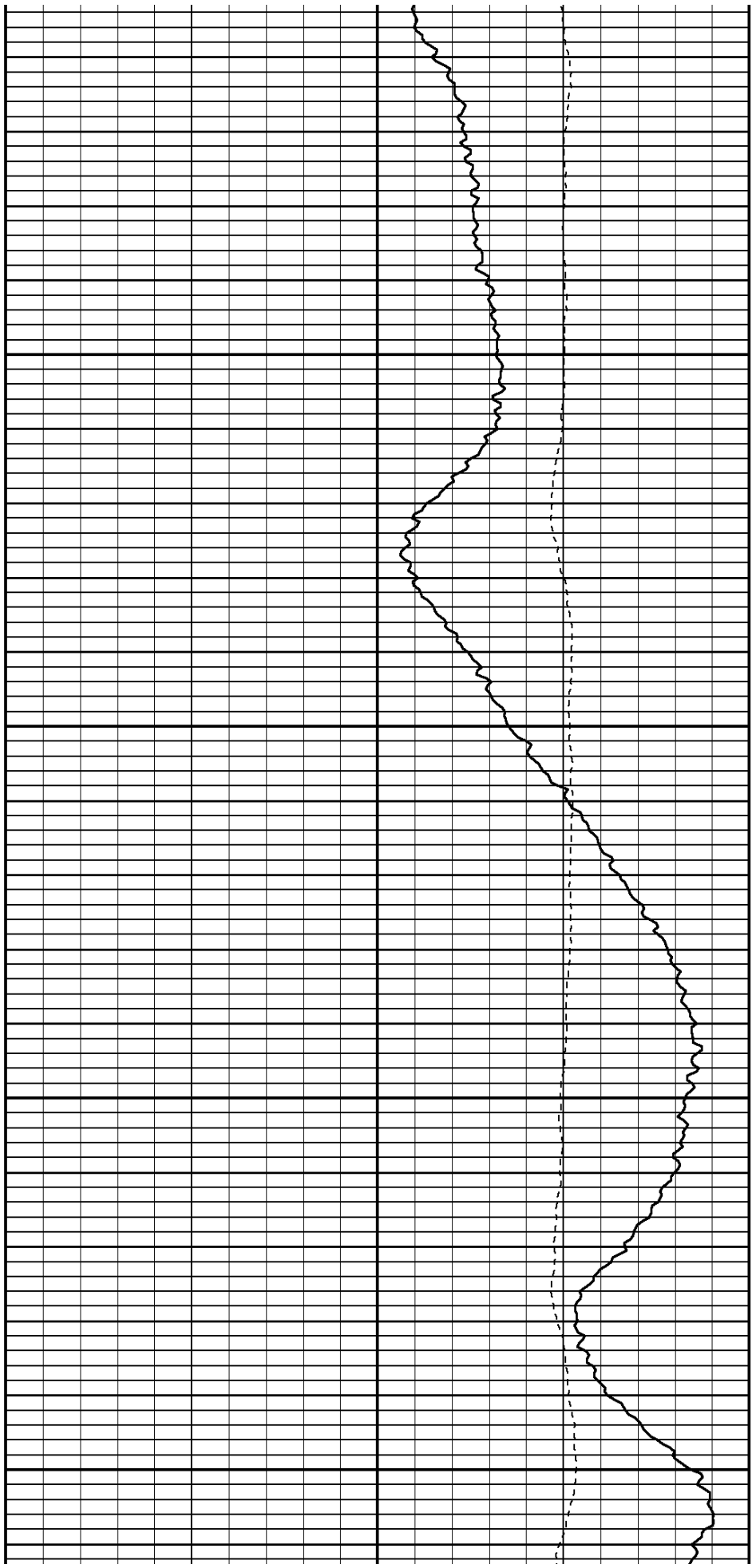
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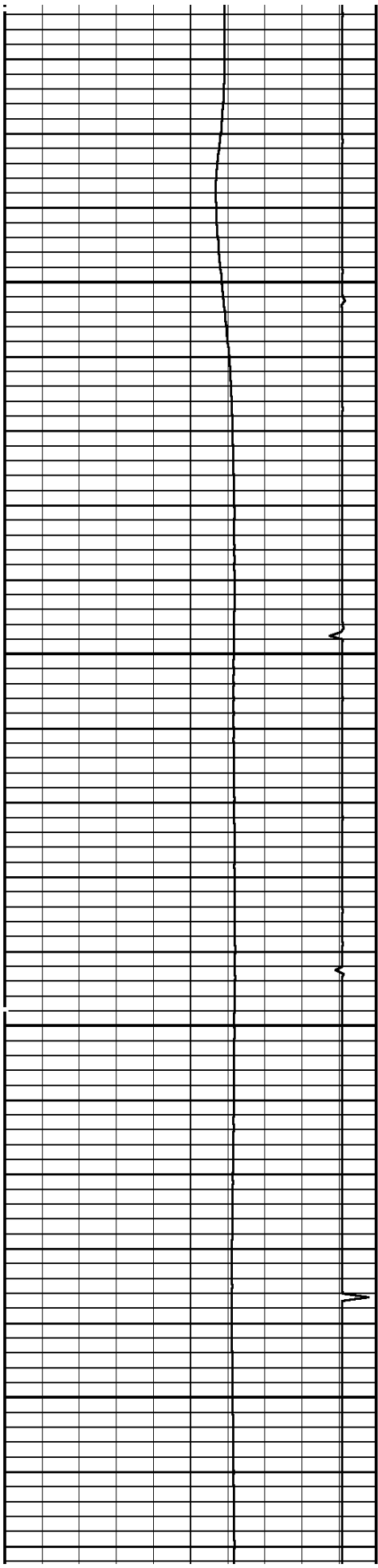




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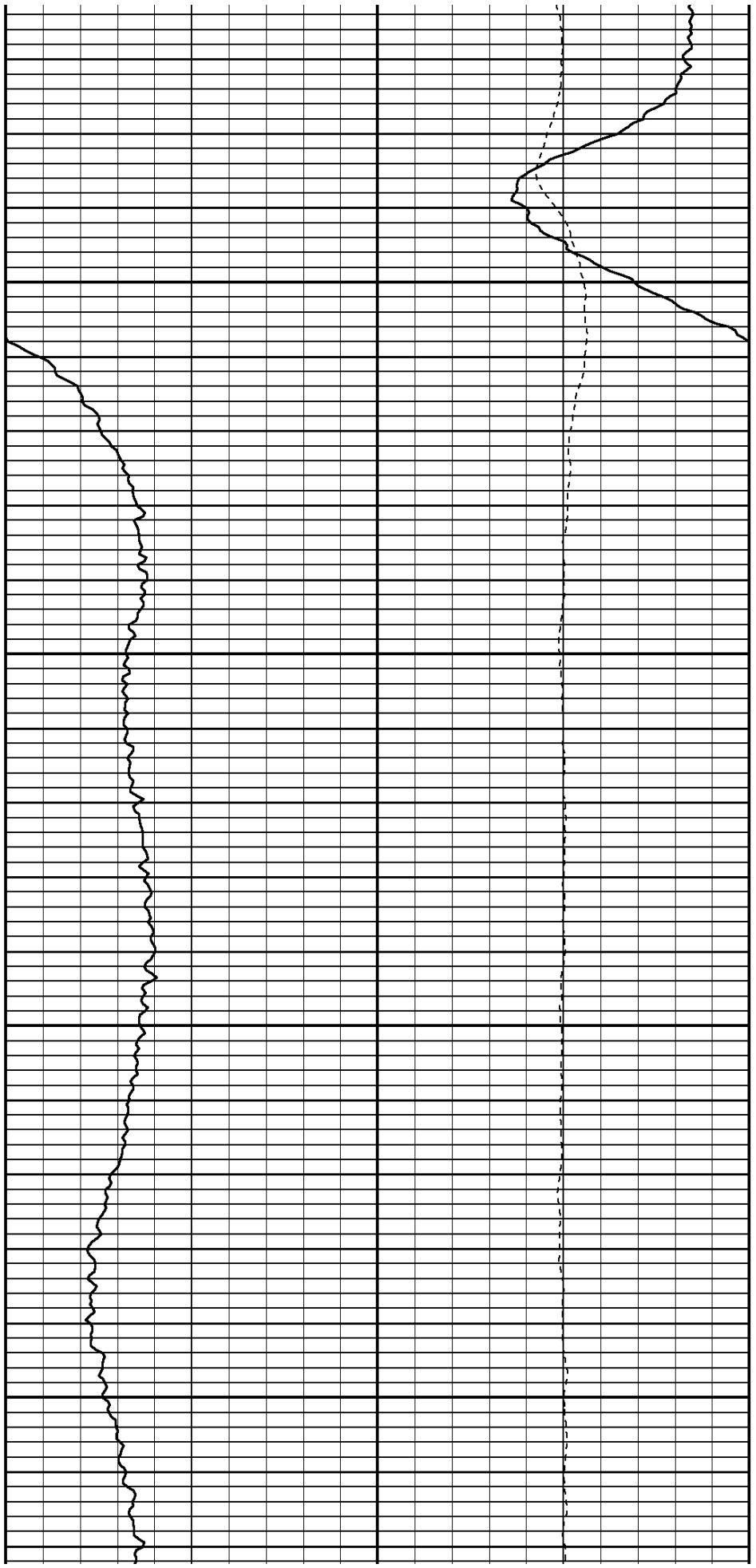
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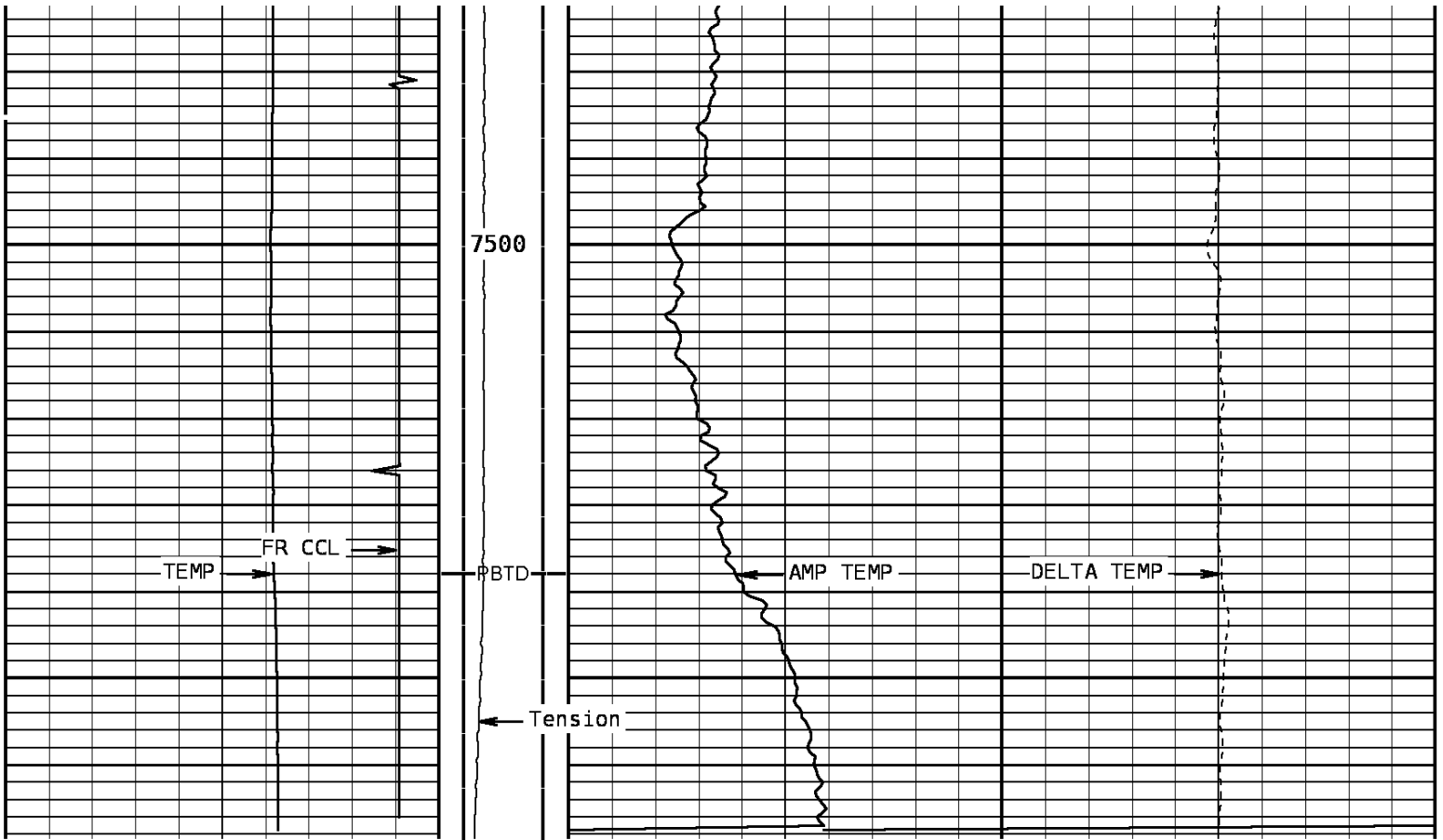




7300

7400





TEMPERATURE			Tension	AMP. TEMPERATURE		
60.0	DegreesFahrenheit	260.0	0 1800 0.0	DegreesFahrenheit		20.0
Collar Locator				DELTA TEMPERATURE		
-8000.0	Millivolts	800.0		-1.500	DegF/Foot	1.500

START DEPTH: **7569.0** DIRECTION: **UP** DATE: **12/13/2010** TIME: **23:04** MODE: **TRACE PLAYBACK**
167808 TLTMP

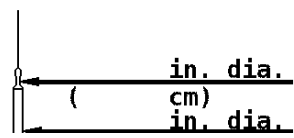
MAIN PASS

DEPTH SCALE: **5":100'** VERSION: **80214133R''**

Cased Hole Cablehead

Weight 2.2 lb
 Length 1.02 ft
 Max. Diameter 1.685 in

Total Stack Weight 2.2 lb in air
 Total Stack Length 4.88 ft



Sinker Bar

Weight 37.5 lbs/17 kg
Length 5.0 ft/1.53 m
Max. Diameter 1.375 in/34.93 mm

Casing Collar Locator

Length

Temperature

Weight 4.8 lbs
Length 2.20 ft
Max. Diameter 1.688 in

CCL

Temp. 0.10 ft

(cm)

1.375 in. dia.
(3.493 cm)

1.688 in. dia.
(4.286 cm)

1.688 in. dia.
(4.286 cm)

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FIELD GIBSON GULCH
COUNTY GARFIELD STATE COLORADO



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