

Gamma Ray Service
1:200 Measured Depth
Real Time Log

API serial no.	Y = 5774411.33m X = 624343.51m	Longitude E148°25'10.192"	Latitude S38°10'10.687"
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Bore hole record

Casing record

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Mud record

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THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES for RUN2

Directional Drilling

Directional Surveys

REMARKS: RUN NUMBER 2

8-1/2 in. hole was drilled from 3048.0m to 3101.0m MD.

Depth is referenced to Driller's Depth.

Gamma ray corrected for Tool Size,
Bit Size and Mud Weight.

Mud type is KCl/PHPA/Glycol.

POOH to change BHA.

Directional Drilling
Directional Surveys

REMARKS: RUN NUMBER 1
8-1/2 in. hole was drilled from 829.0m to
3048.0m MD.

Depth is referenced to Driller's Depth.

Gamma ray corrected for Tool Size,
Bit Size and Mud Weight.

Mud type is KCl/PHPA/Glycol.

POOH due to reaching programmed TD of
TNA A31A.

Thank You for Choosing Schlumberger

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EQUIPMENT DESCRIPTION

RUN1

RUN2

RUN3

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse* 23.72
MDC: Z408-AC
MEC: 1540-BB
MDI: 1556-CA
MGR: 146-AA
DHS: V7.0C00

D&I — 19.42
GR — 18.77



6-5/8 in. NM Pony 15.27
S/N: ASS15700



8-3/8 in. NM Roller Reamer 13.71
S/N: GU2317R



6-7/16 in. NM Pony 11.62
S/N: 9612058



7 in. PowerPak* Motor 9.16
A700GT 7:8
S/N: 07062
1.5 deg. Bent Housing
8-3/8 in. Motor Sleeve



6-3/4 in. PowerPulse* 21.91
MDC: Z408-AC
MEC: 1540-BB
MDI: 1556-CA
MGR: 146-AA
DHS: V7.0C00

D&I — 17.61
GR — 16.96



8-3/8 in. NM Roller Reamer 13.46
S/N: GU2317R



6-5/8 in. NM Drill Collar 11.37
S/N: M364



6-3/4 in. PowerPulse* 23.75
MDC: Z408-AC
MEC: 1540-BB
MDI: 1556-CA
MGR: 146-AA
DHS: V7.0C00

D&I — 19.45
GR — 18.80



6-5/8 in. NM Pony 15.30
S/N: ASS15700



6-7/16 in. NM Pony 13.74
S/N: 9612058




8-3/8 in. NM Roller Reamer 11.29
S/N: GU2317R



7in. PowerPak* Motor 9.20
A700GT 7:8
S/N N7268
1.15 deg. Bent Housing
8-3/8 in. Motor Sleeve






Smith PDC Bit
OD: 8–1/2 in.
S73PX S/N: JT0016


0.00 0.22

8–1/4 in. NB Stabilizer
S/N: DOTS3231



Smith Insert Bit
OD: 8–1/2 in.
GUI11 YODVPD S/N: MR6363

0.00 0.25



Reed-Hycalog PDC Bit
OD: 8–1/2 in.
RSX163 S/N: 207785

0.00 0.22

Maximum string diameter 8.50 in.
All lengths in Meters

Maximum string diameter 8.50 in.
All lengths in Meters

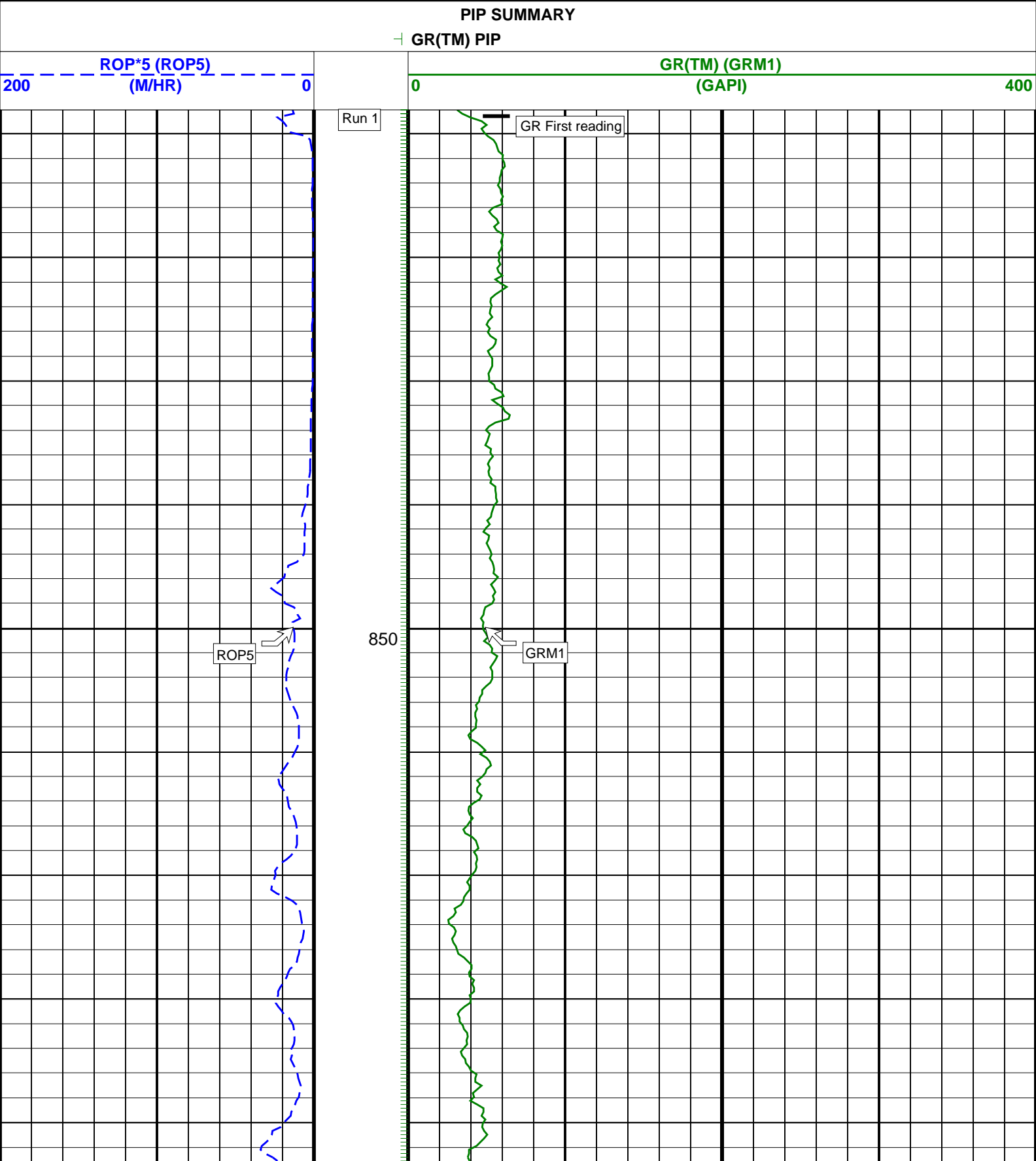
Maximum string diameter 8.50 in.
All lengths in Meters

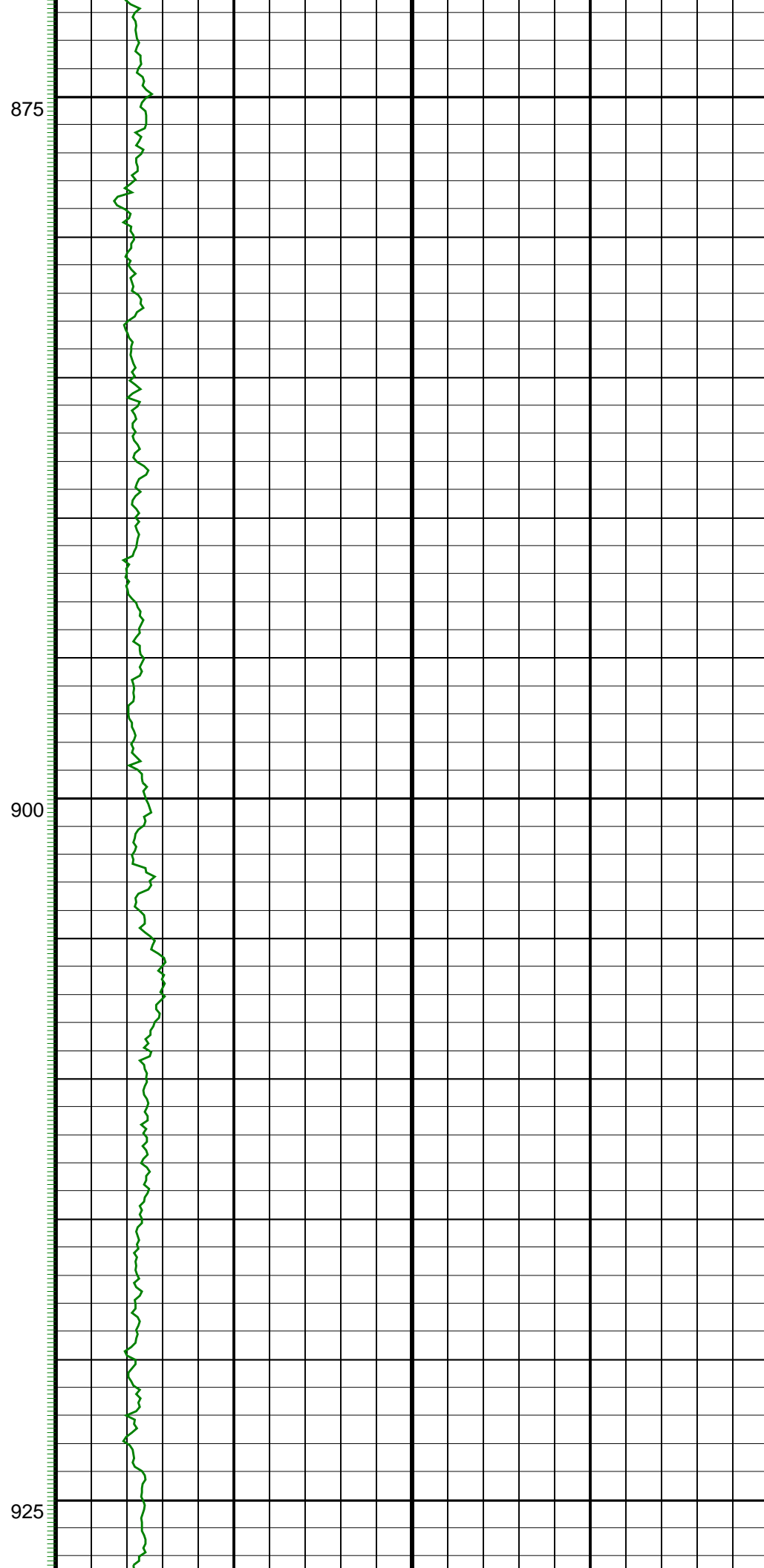
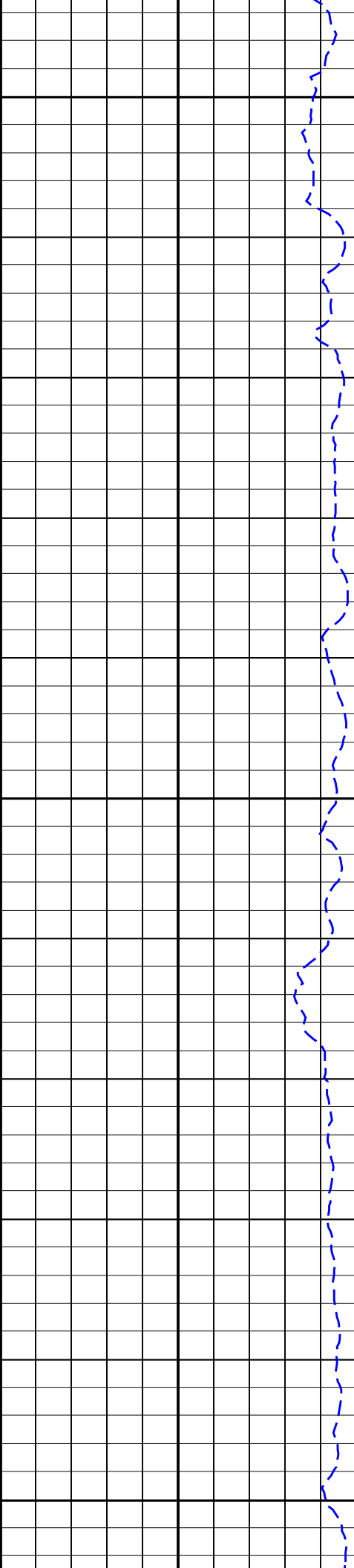
Bit Run Summary

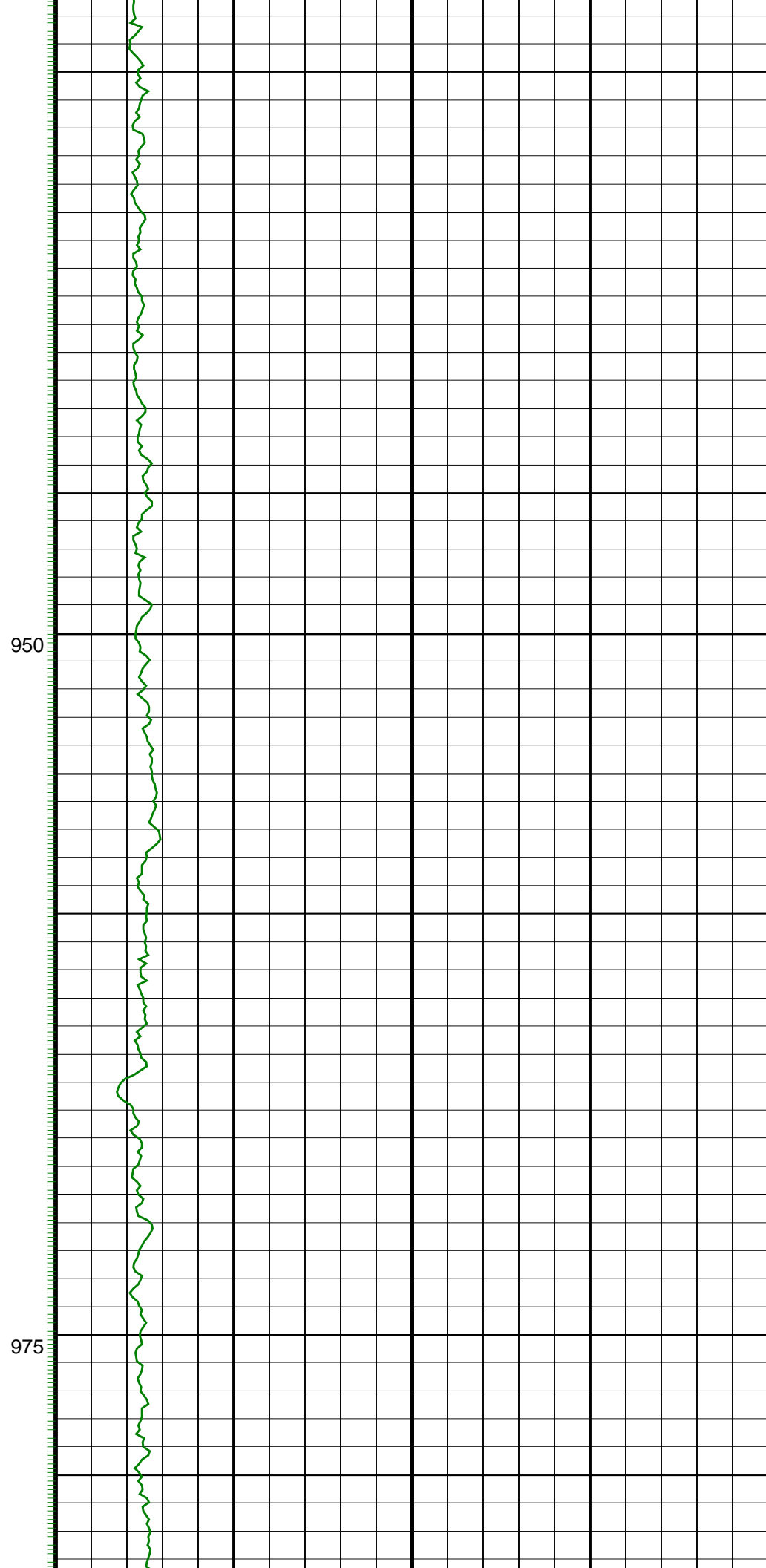
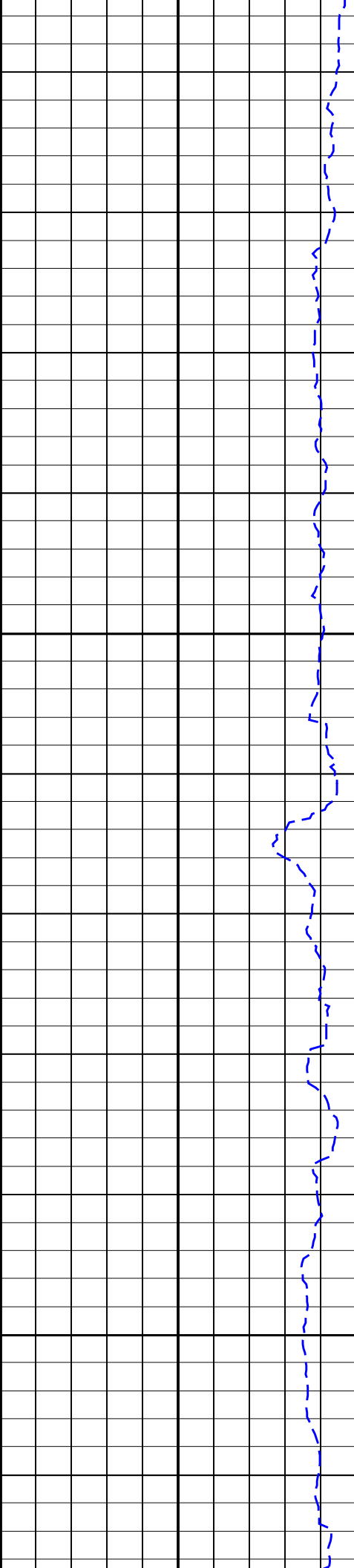
Run number		1	2	3						
Bit size	in	8.5	8.5	8.5						
Bit start depth	m	829.0	3048.0	3101.0						
Bit end depth	m	3048.0	3101.0	3406.0						
Top interval logged	m	829.0	3029.2	3084.0						
Bottom interval logged	m	3029.2	3084.0	3387.2						
Begin log: time		22:42	10:30	20:08						
Begin log: date		31-Dec-04	11-Jan-05	13-Jan-05						
End log: time		09:38	17:45	20:08						
End log: date		08-Jan-05	12-Jan-05	14-Jan-05						
Mud data										
Depth	m	3048.0	3101.0	3397.0						
Type		KCI/PHPA/Gly.	KCI/PHPA/Gly.	KCI/PHPA/Gly.						
Mud weight	ppg	10.05	10.25	10.15						
Solids	%	8.1	9.2	9.6						
Chlorides	mg/L	40,400	39,000	32,000						
Rm	OHHM@°C	N/A	N/A	N/A						
Rmf	OHHM@°C	N/A	N/A	N/A						
Rmc	OHHM@°C	N/A	N/A	N/A						
Potassium	%	3.877	3.896	3.522						
Environmental data										
GR										
Mud weight	ppg	10.05	10.25	10.15						
Bit size	in	8.5	8.5	8.5						
Resistivity										
Neutron porosity										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Recording rate 1	SEC	4.36	4.36	4.36						
Recording rate 2	SEC	N/A	N/A	N/A						
Filtering GR		3 pt	3 pt	3 pt						
Filtering density										
Filtering Neutron										
Company representative		T. Bassett	B. Davis	B. Steel						
Anadrill personnel		A. De Castro	D. Hastie	C. Cocks	T. Auger					

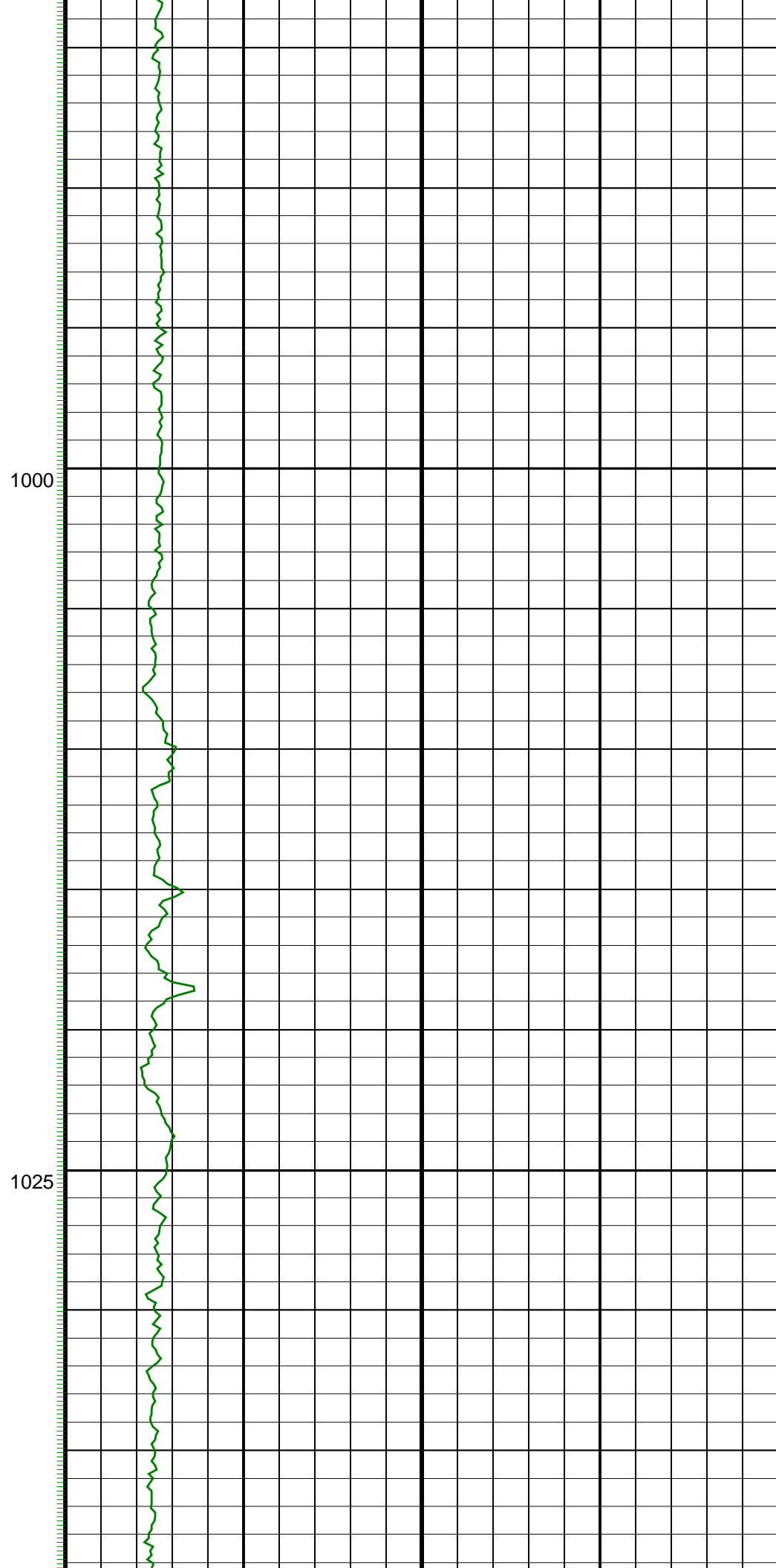
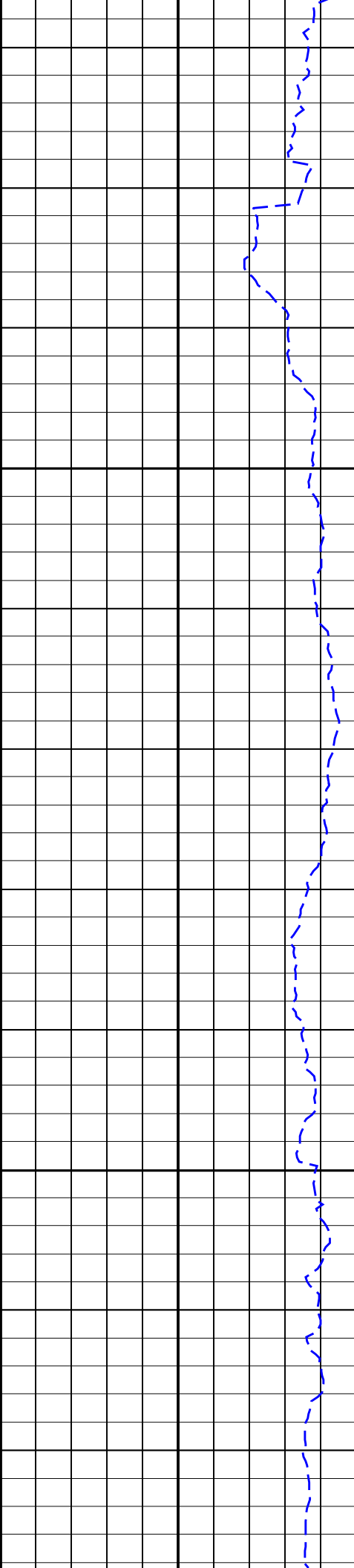
TNA A31A RT 1:200MD

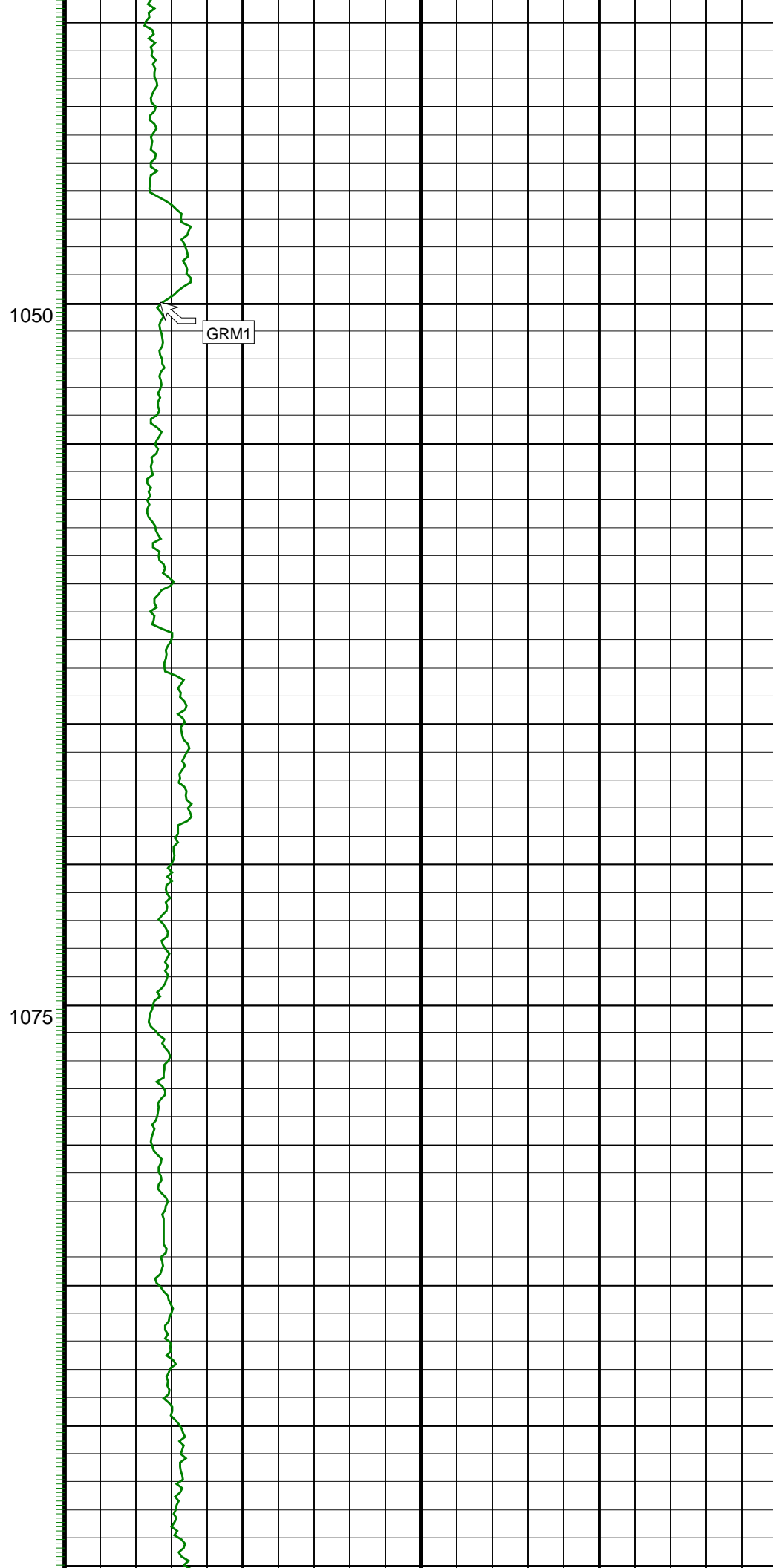
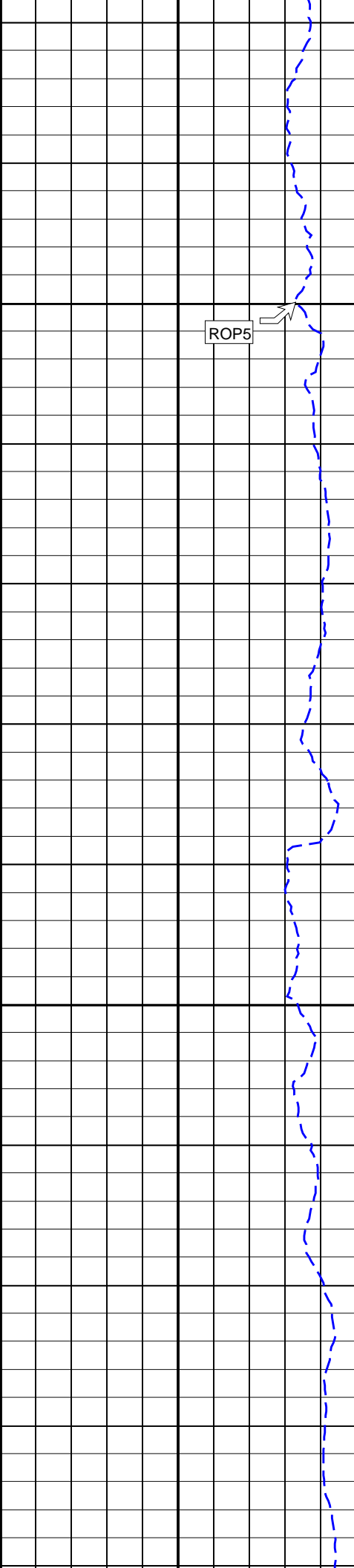
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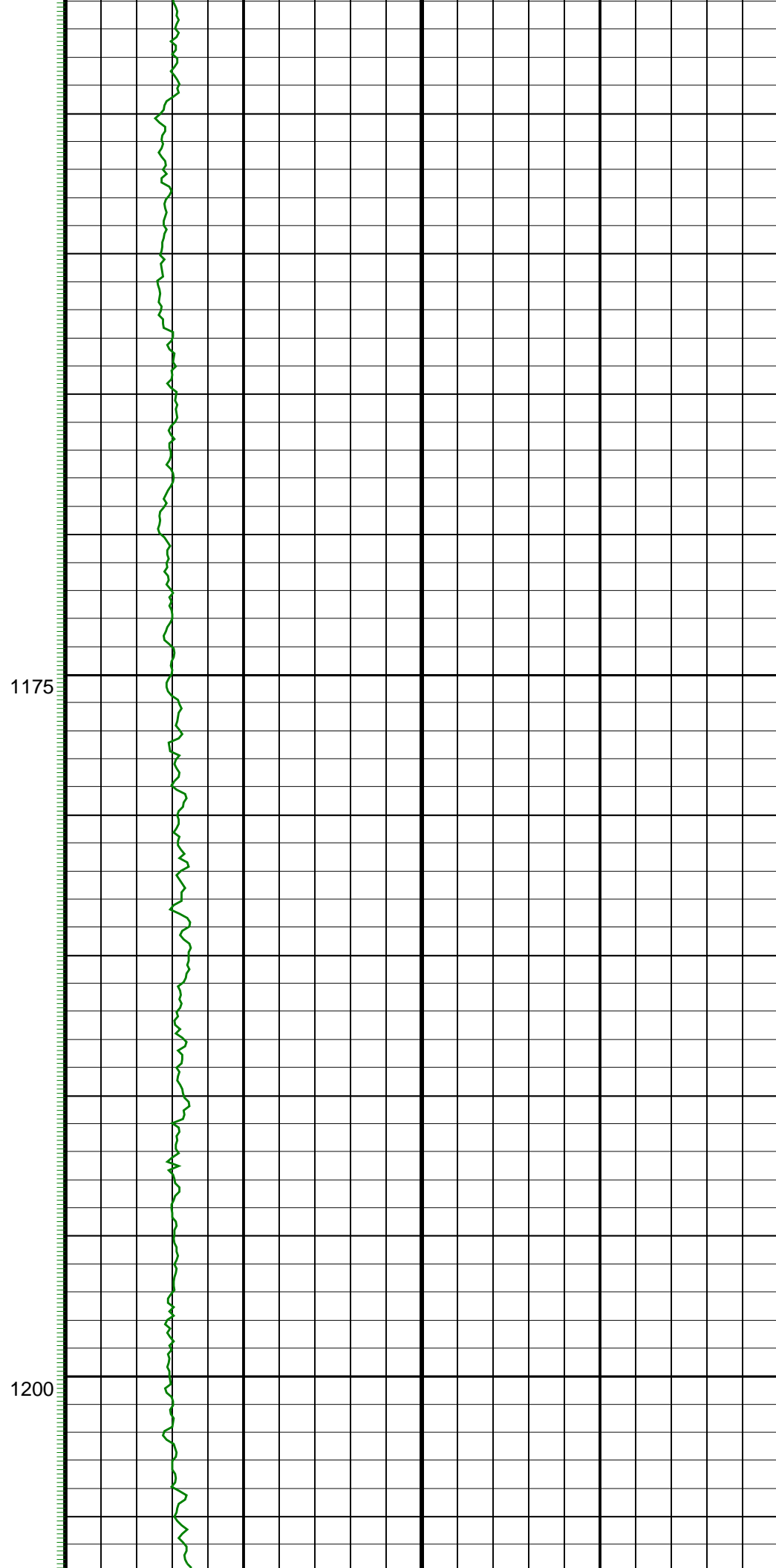
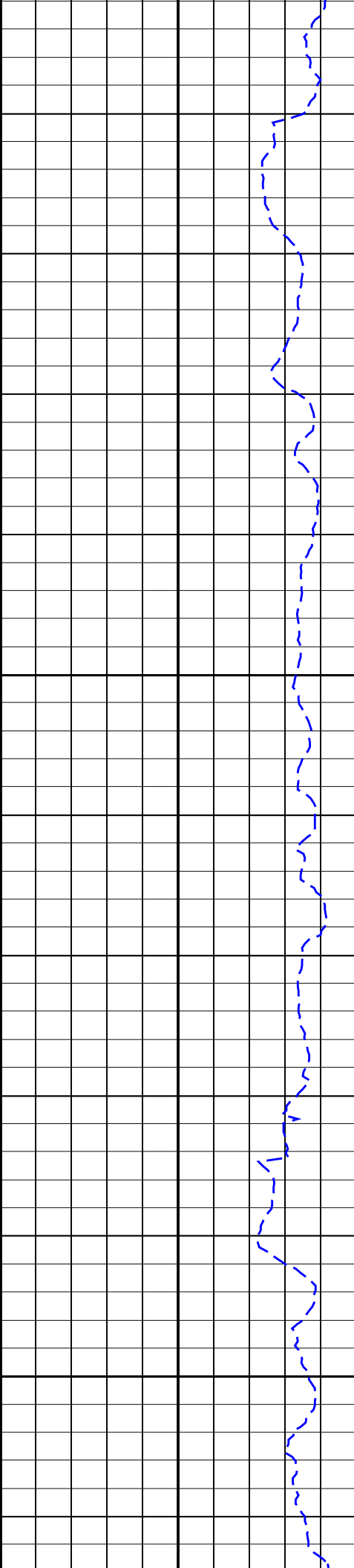


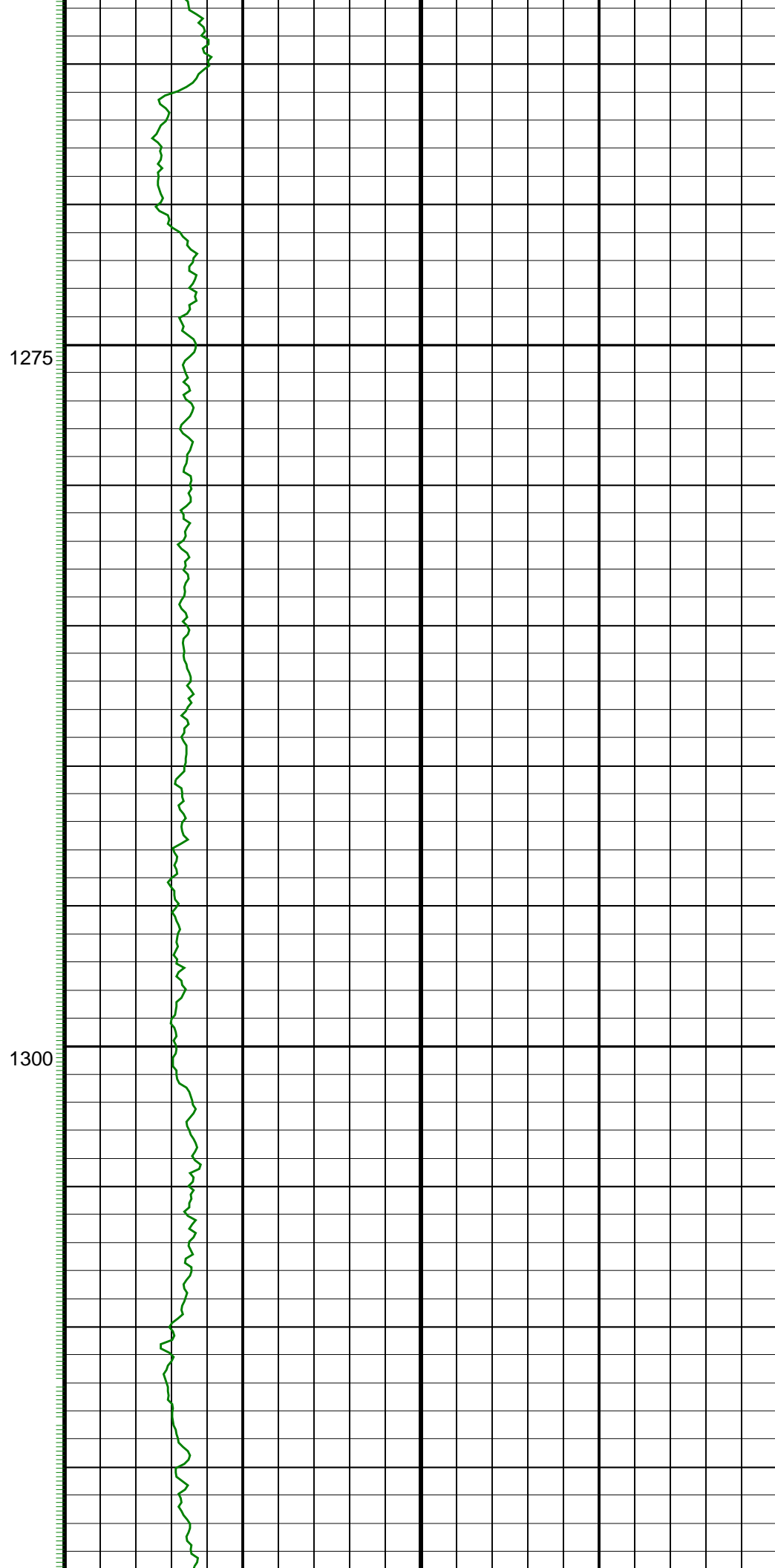
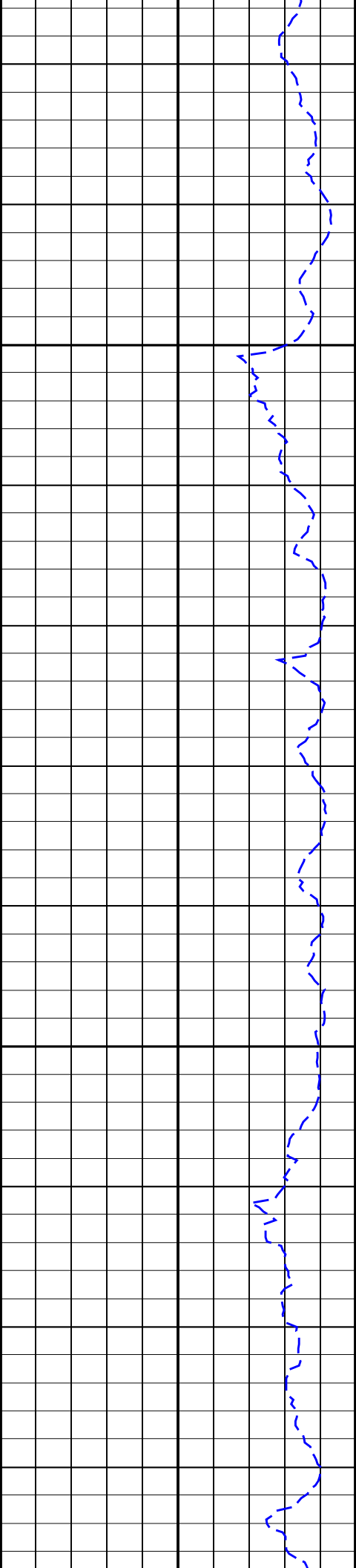


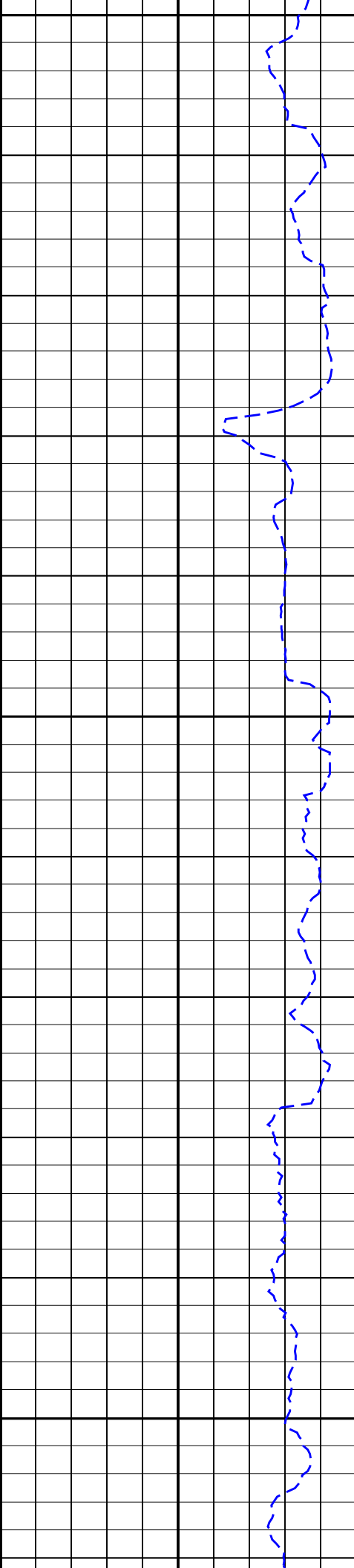








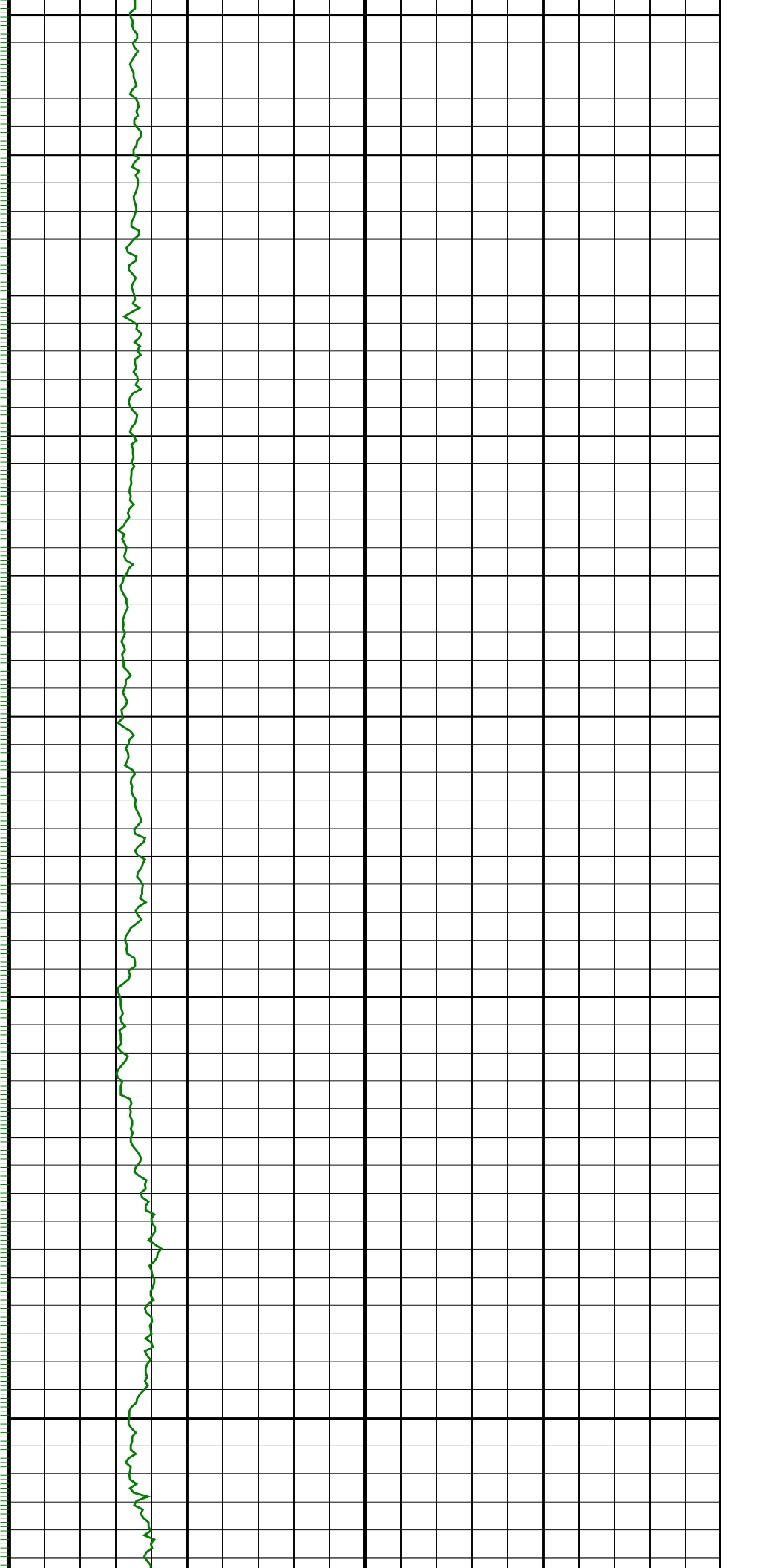




1375

1400

1425

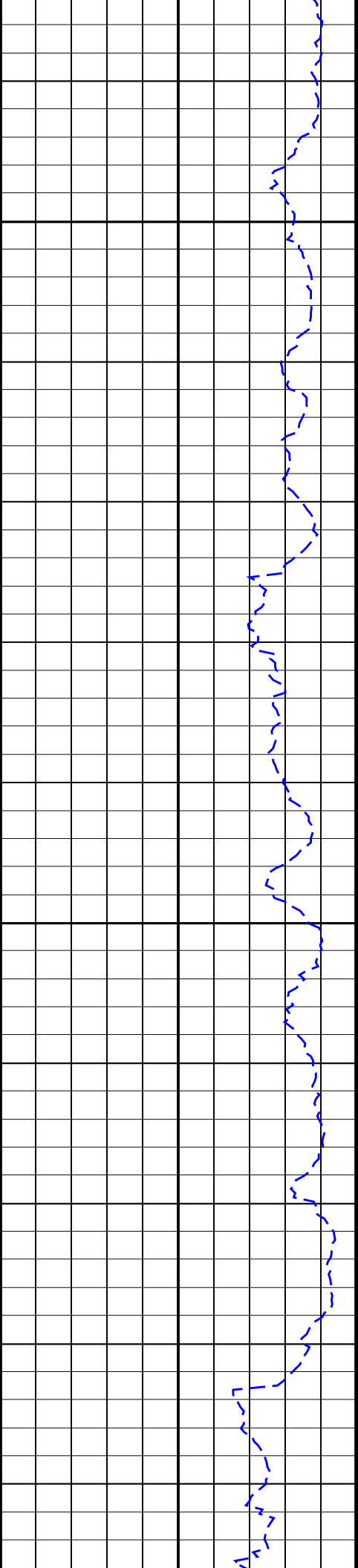




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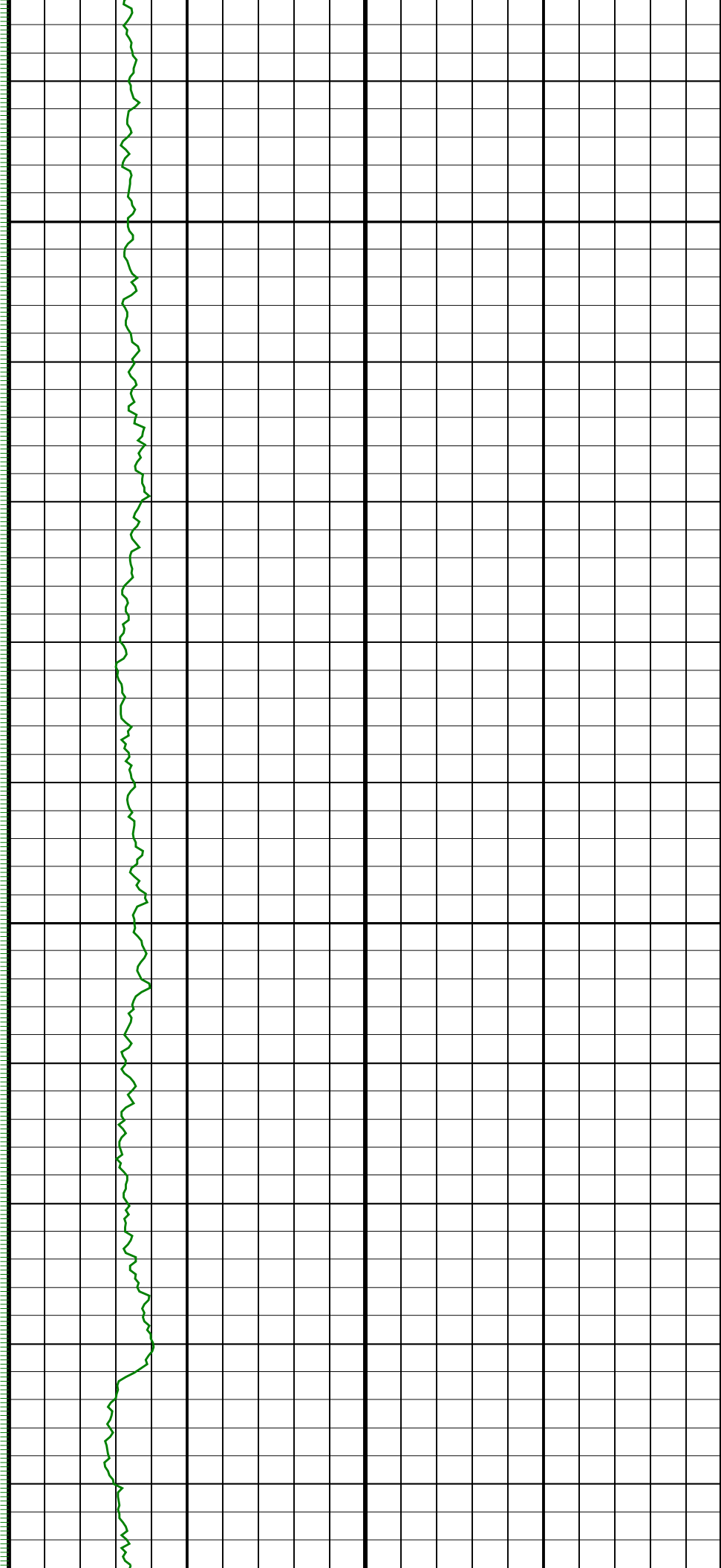


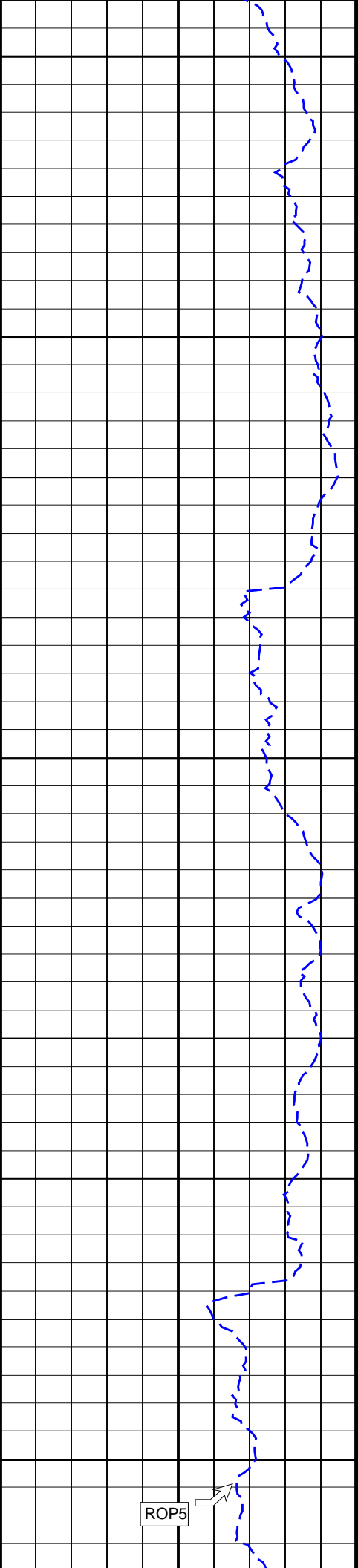
GRM1



1550

1575



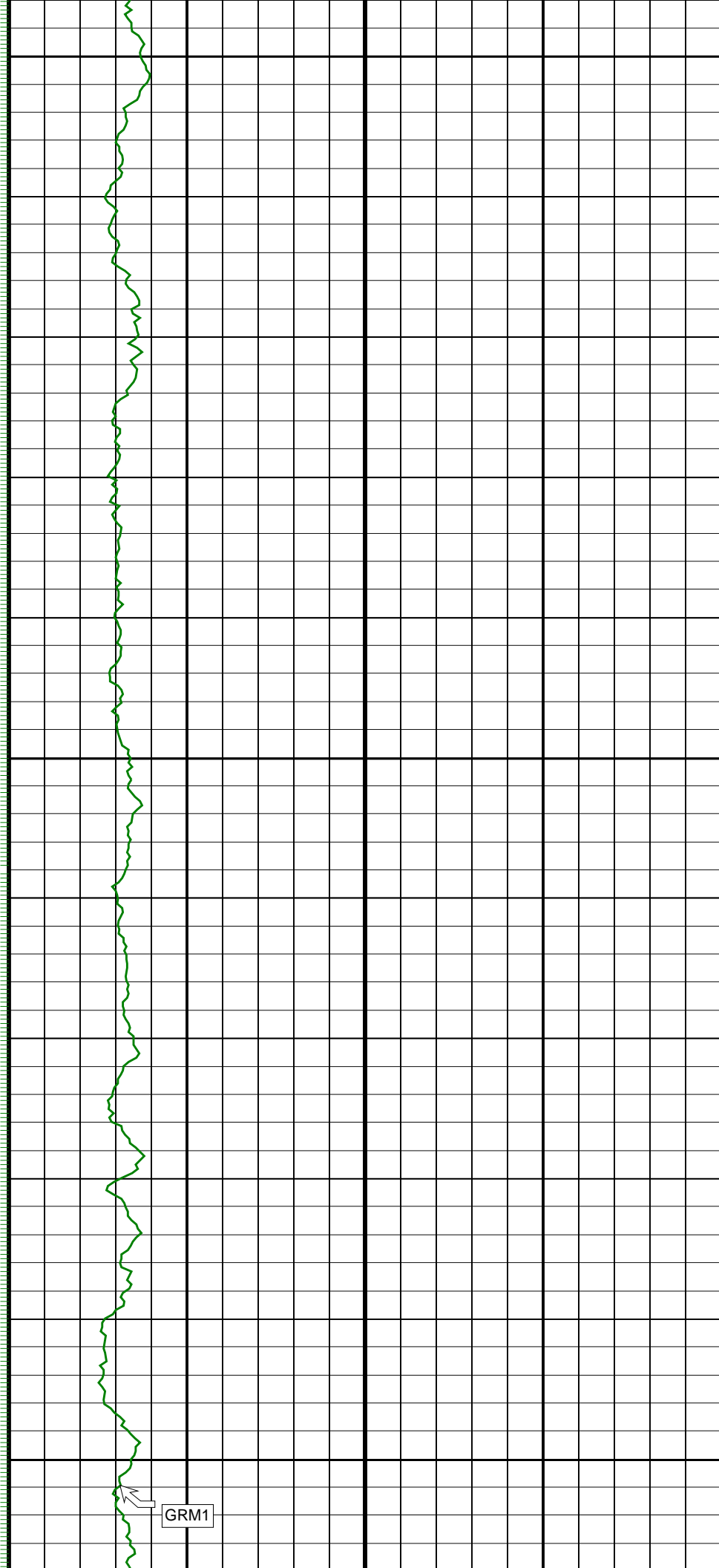


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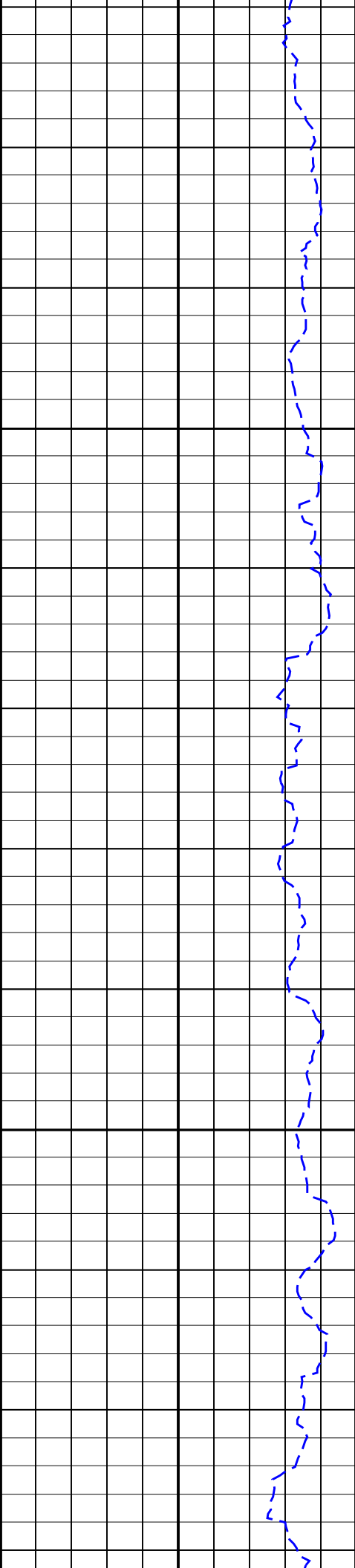
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ROP5

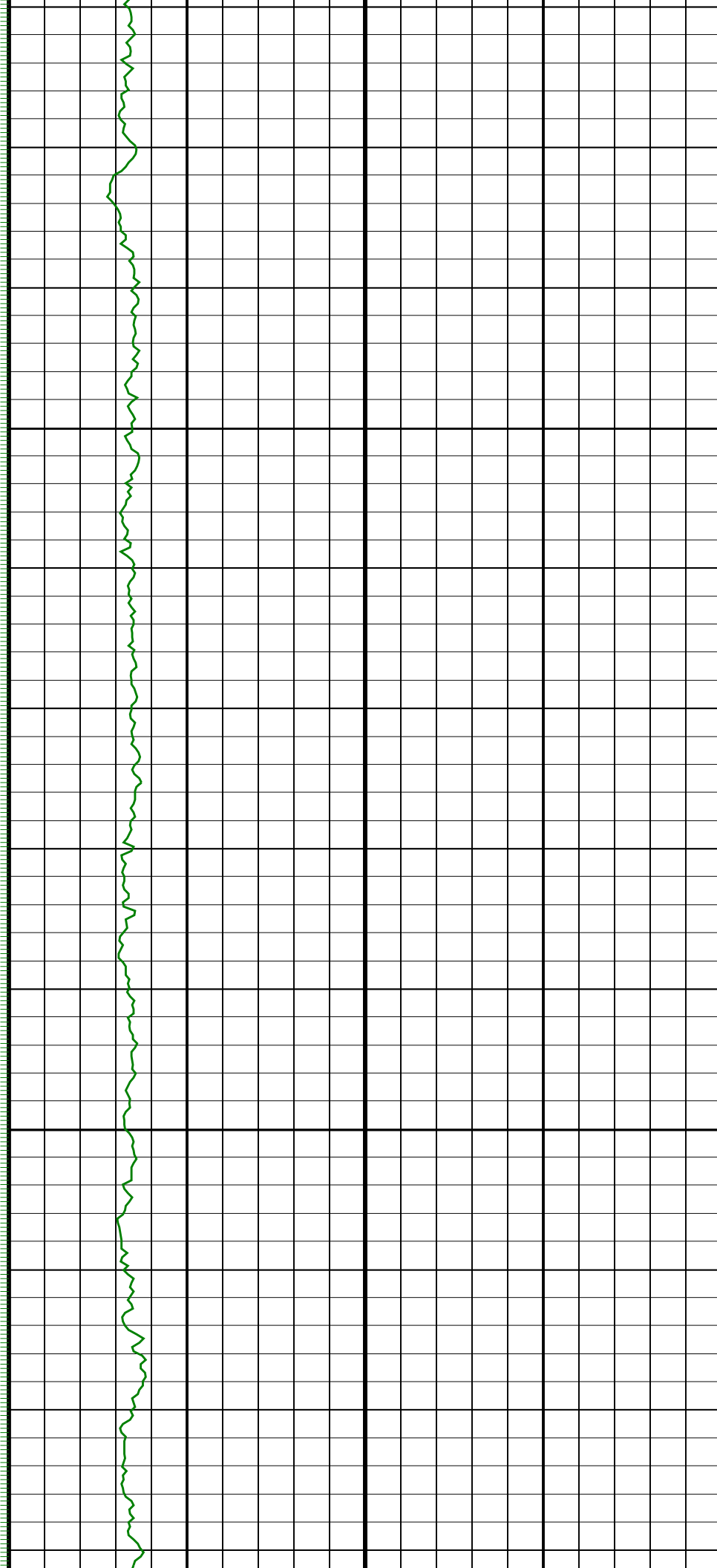


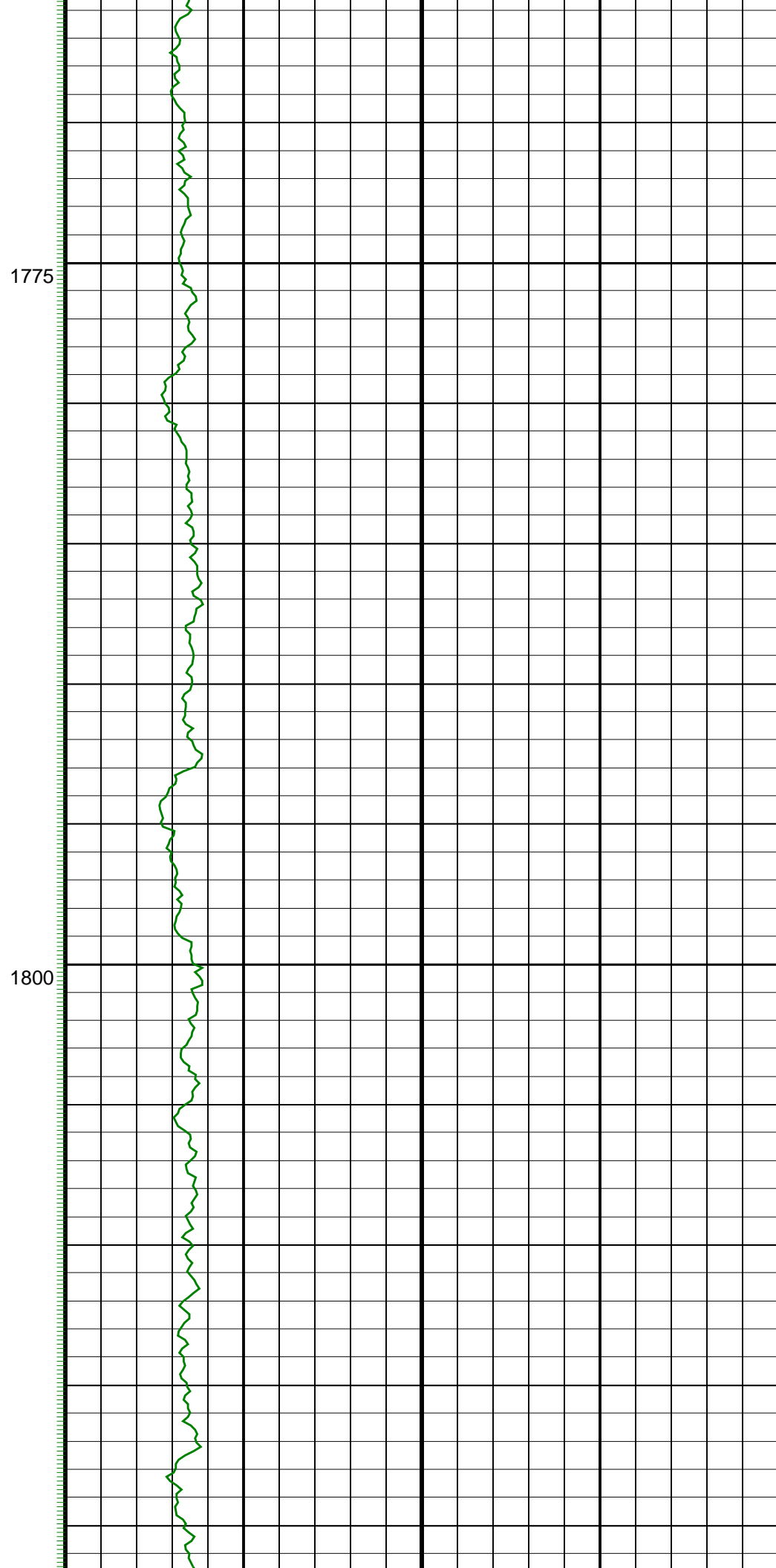
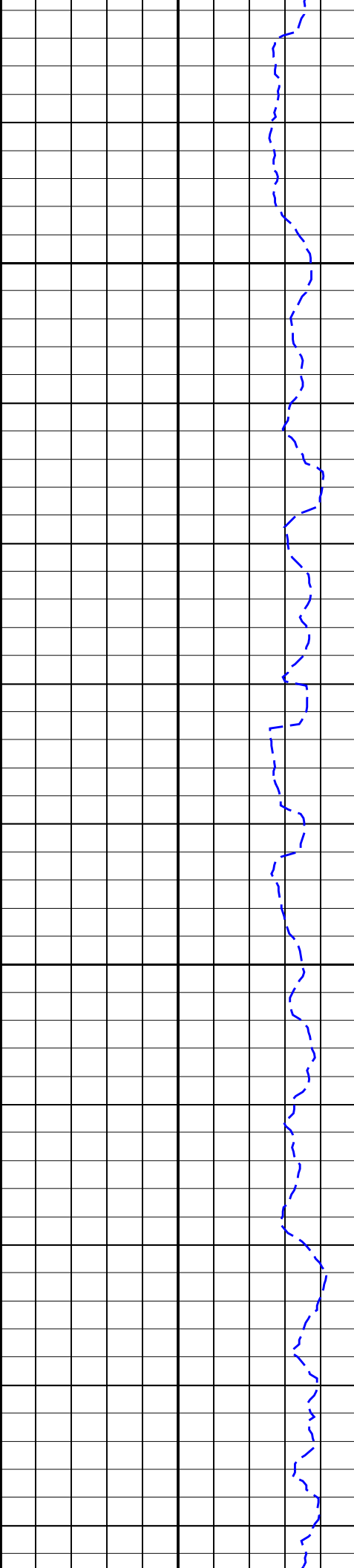
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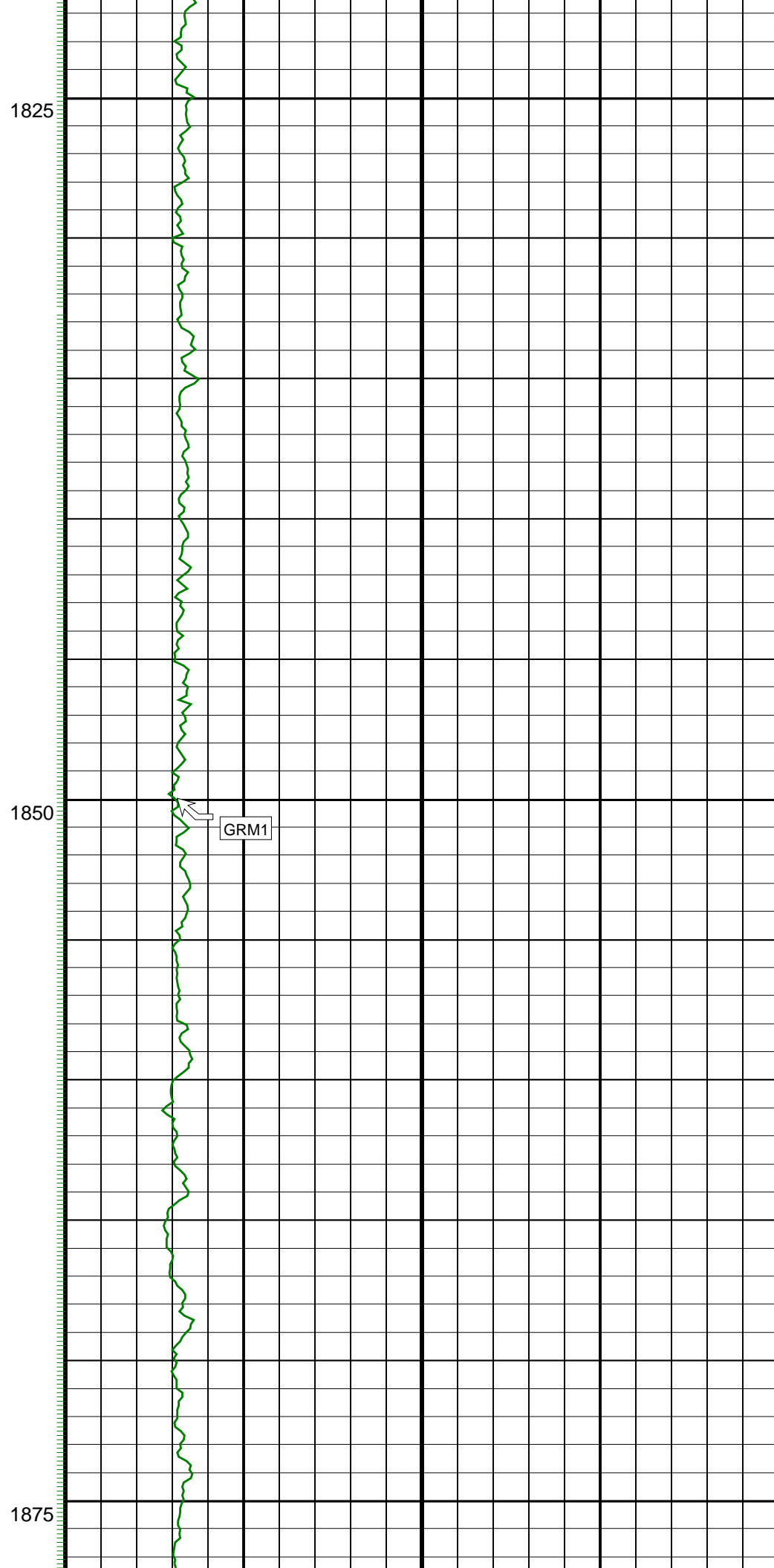
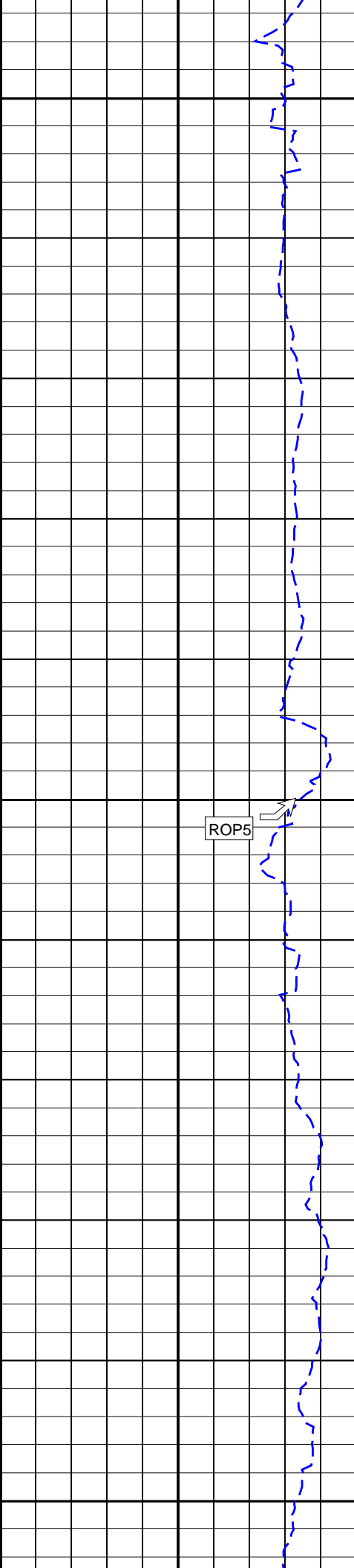


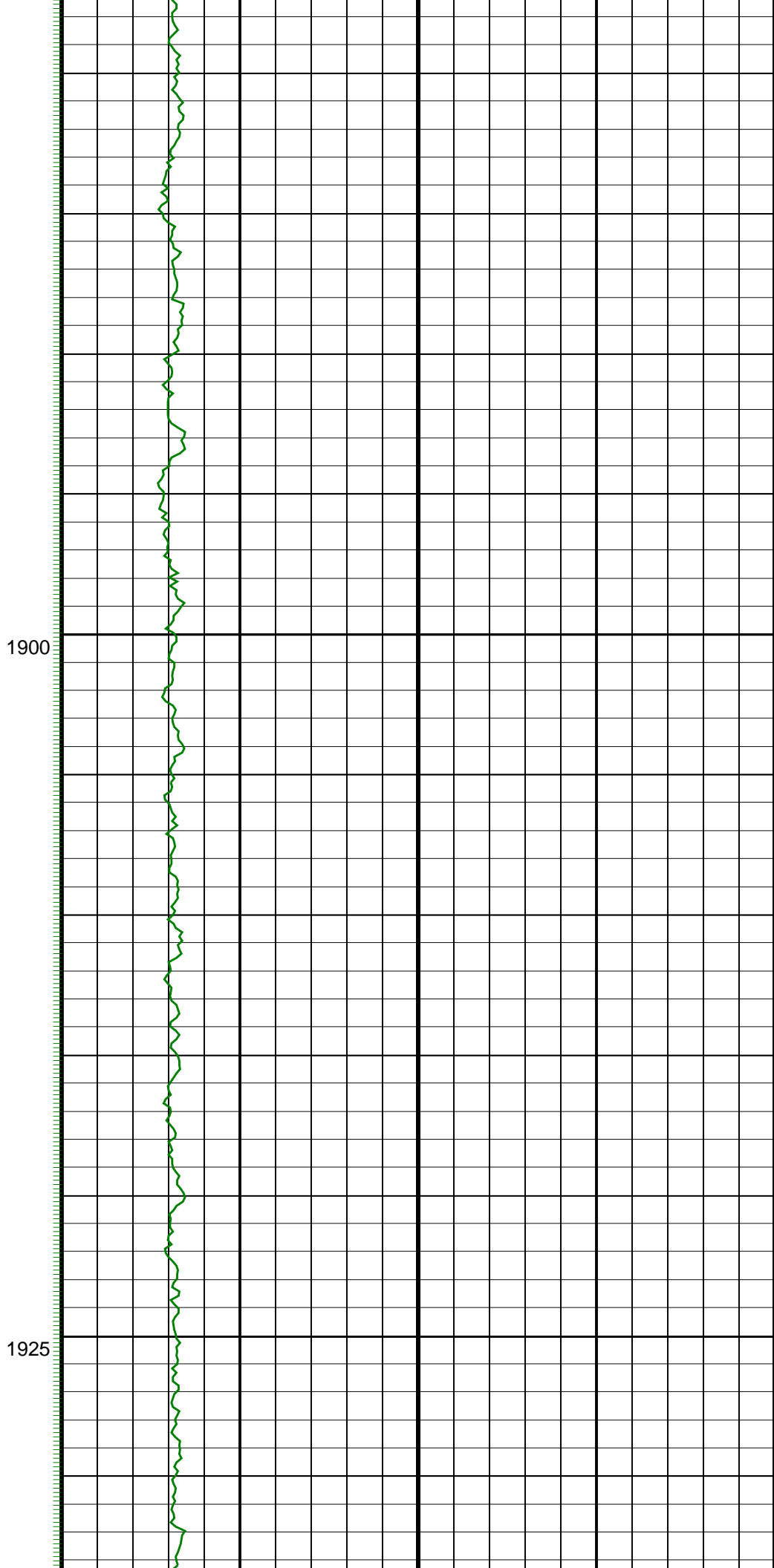
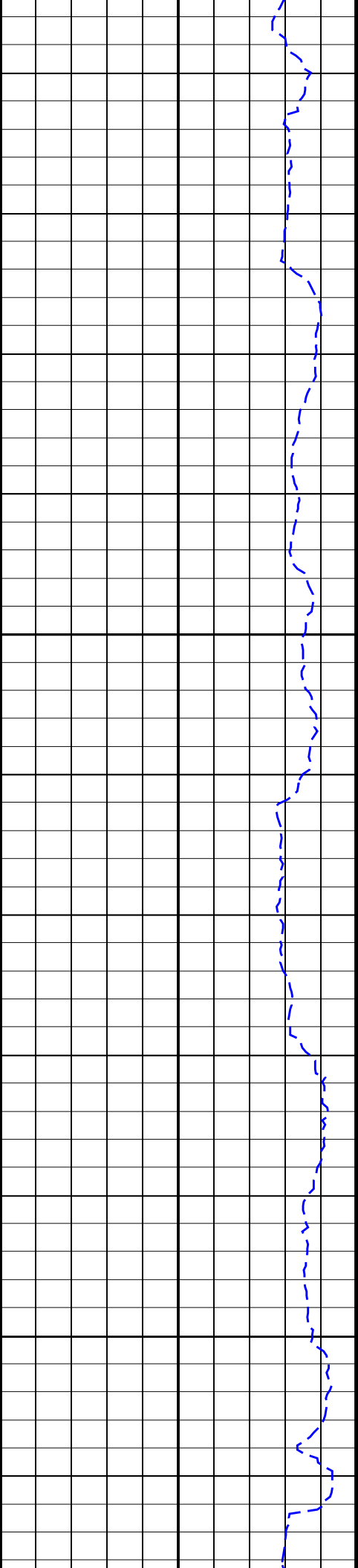
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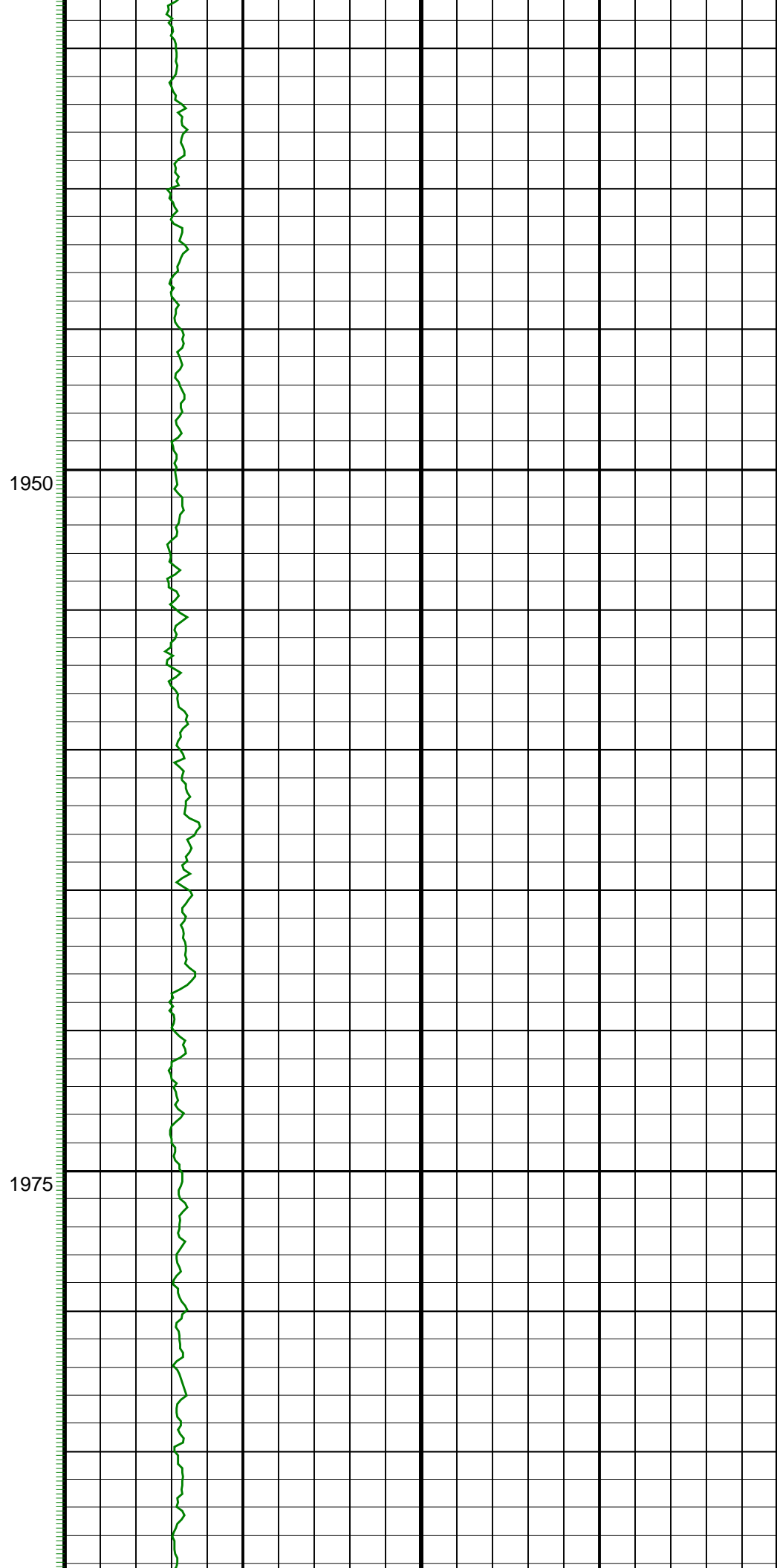
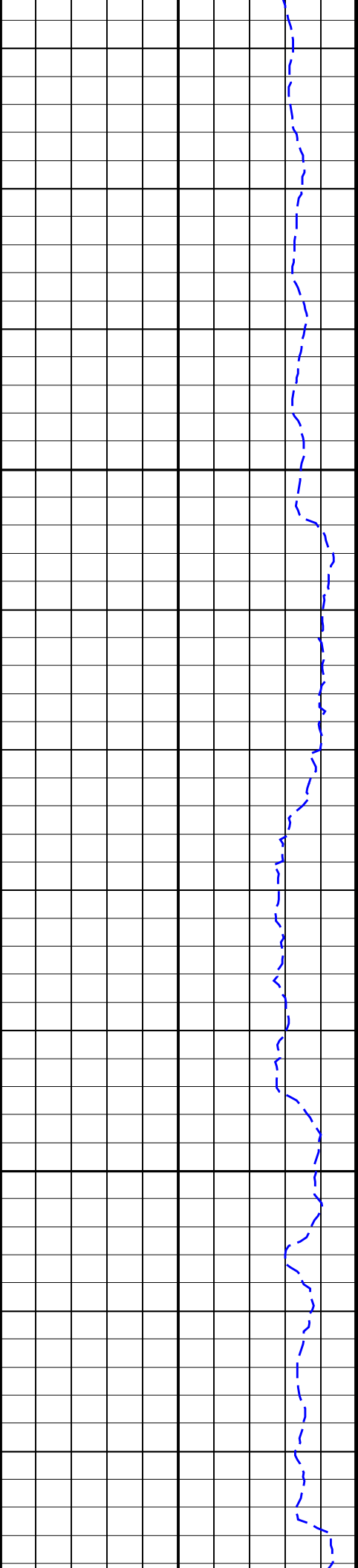
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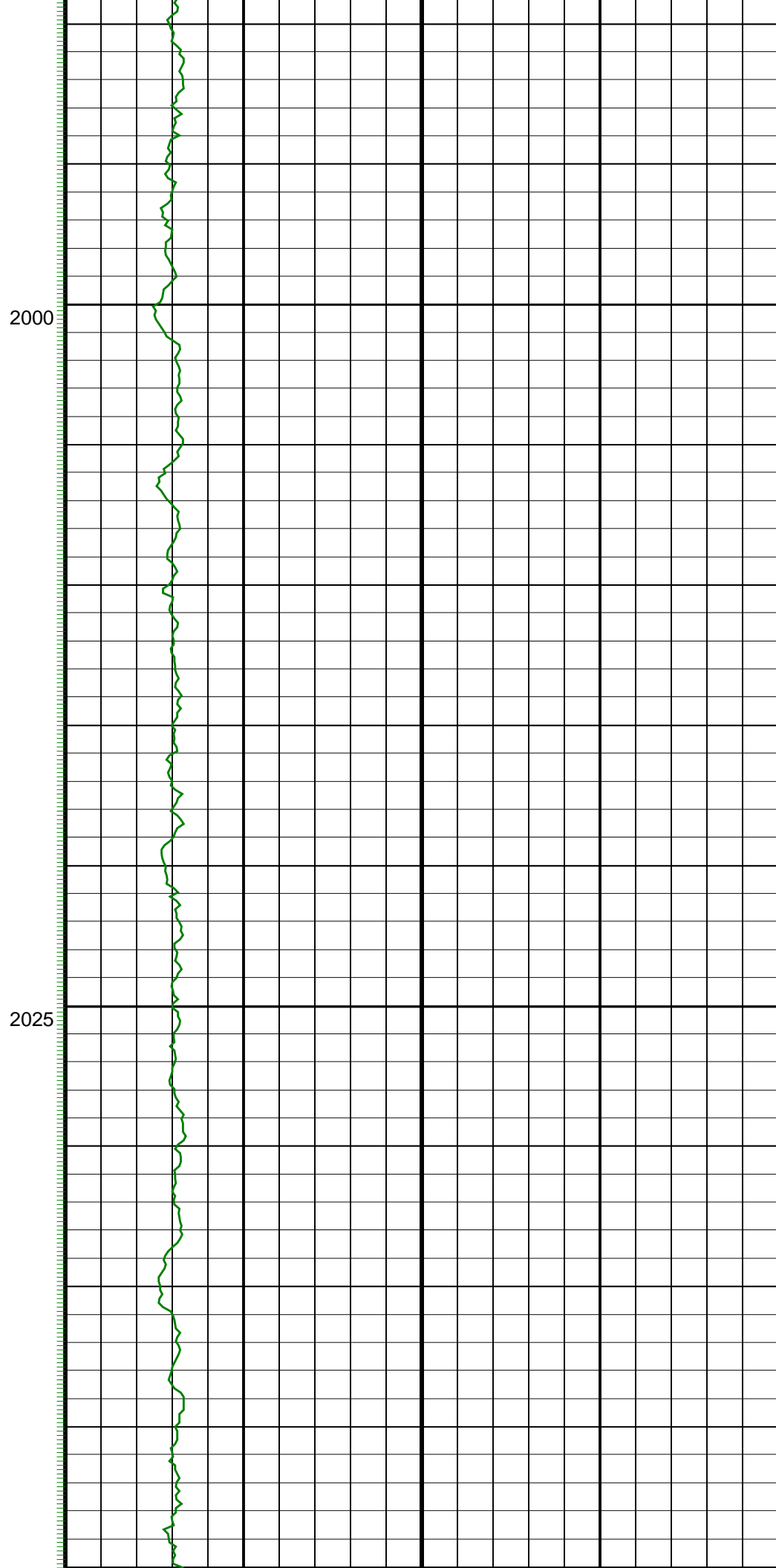
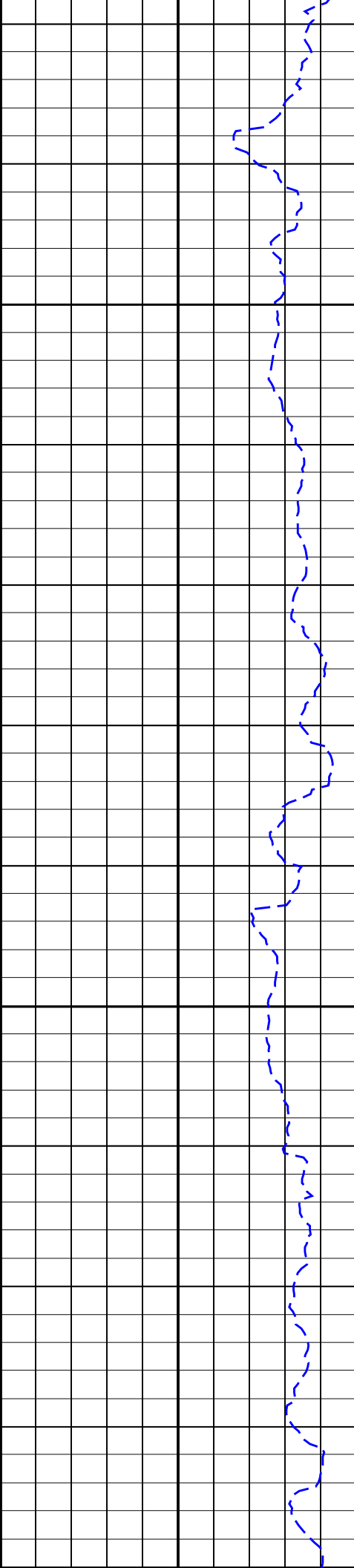


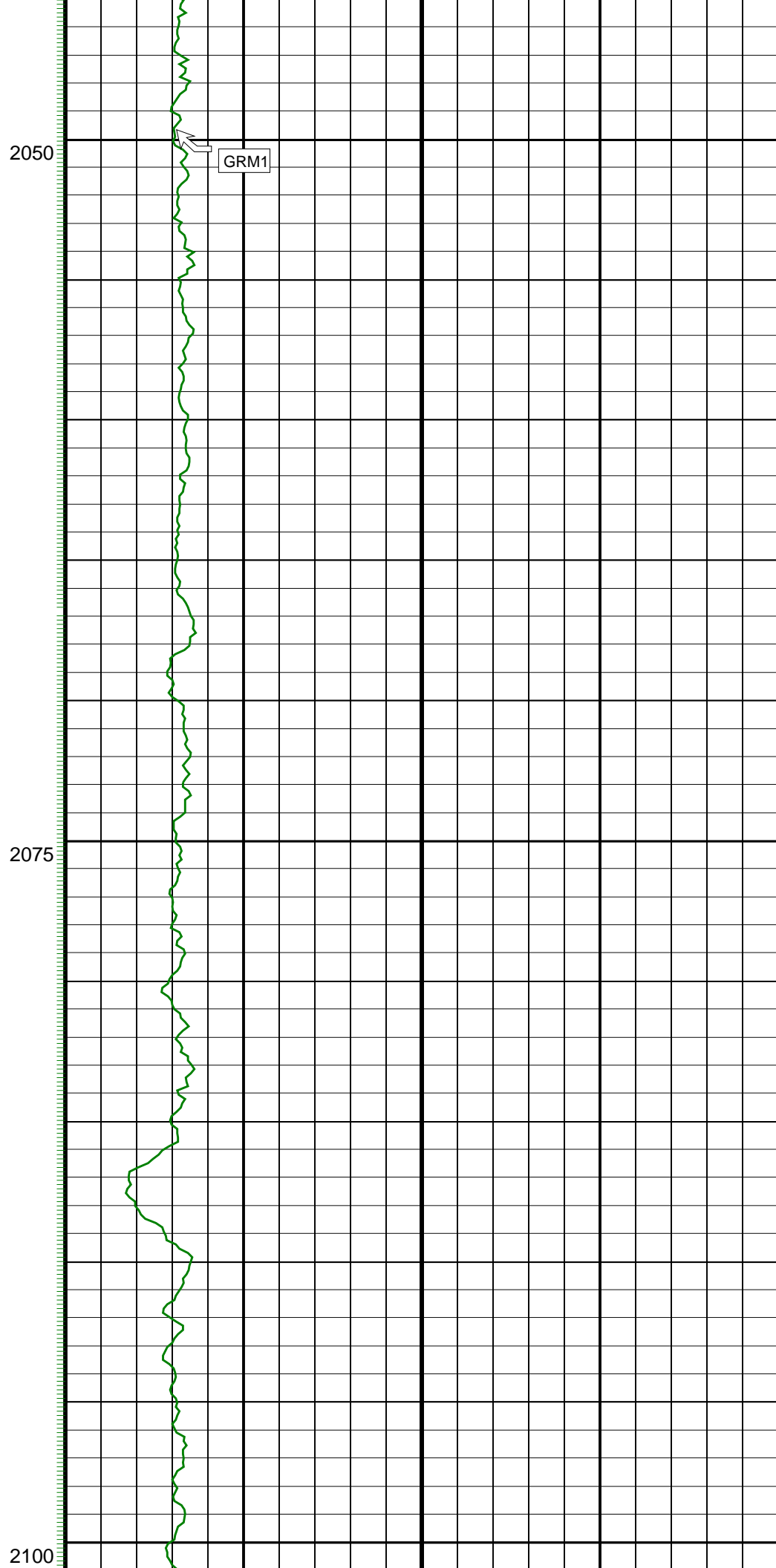
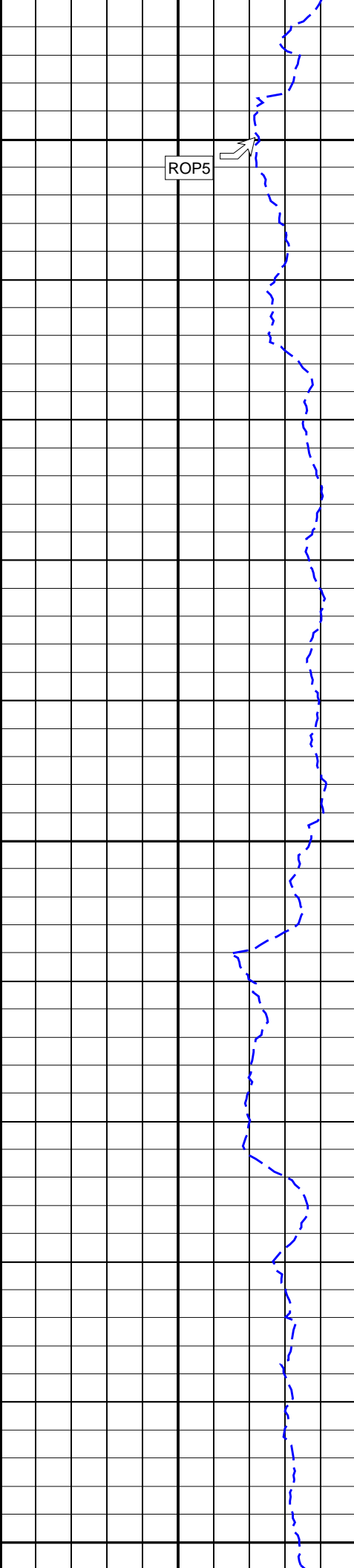


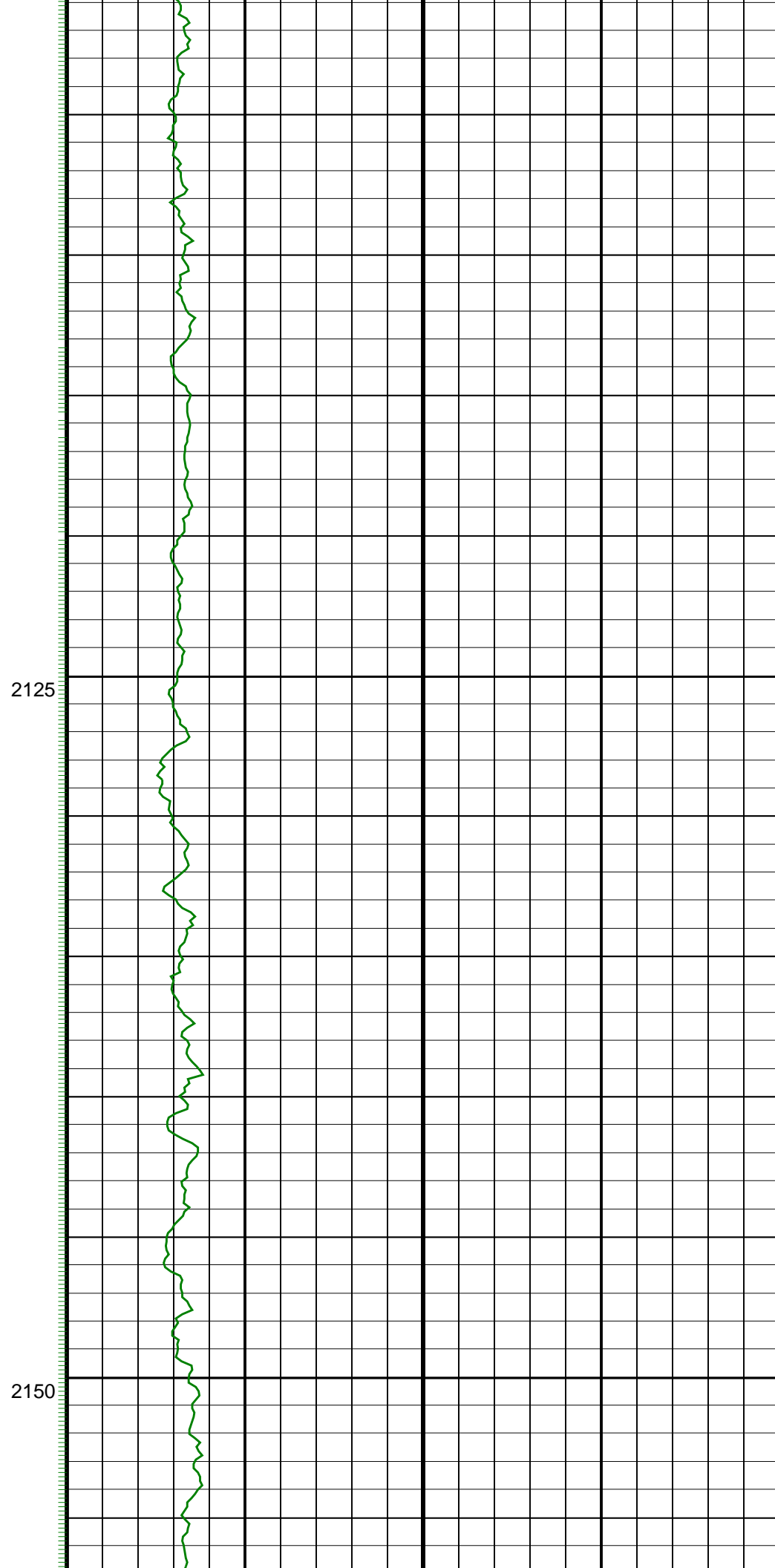
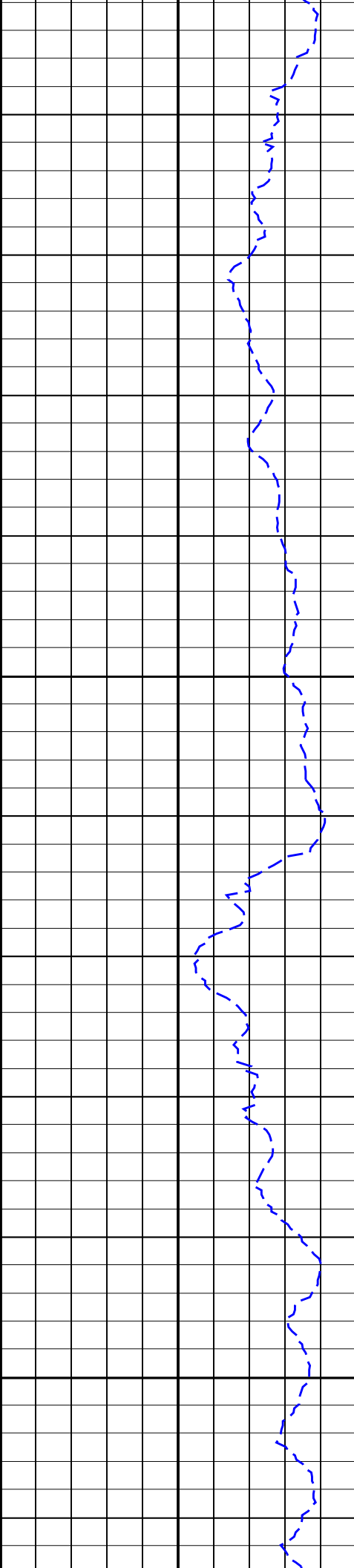


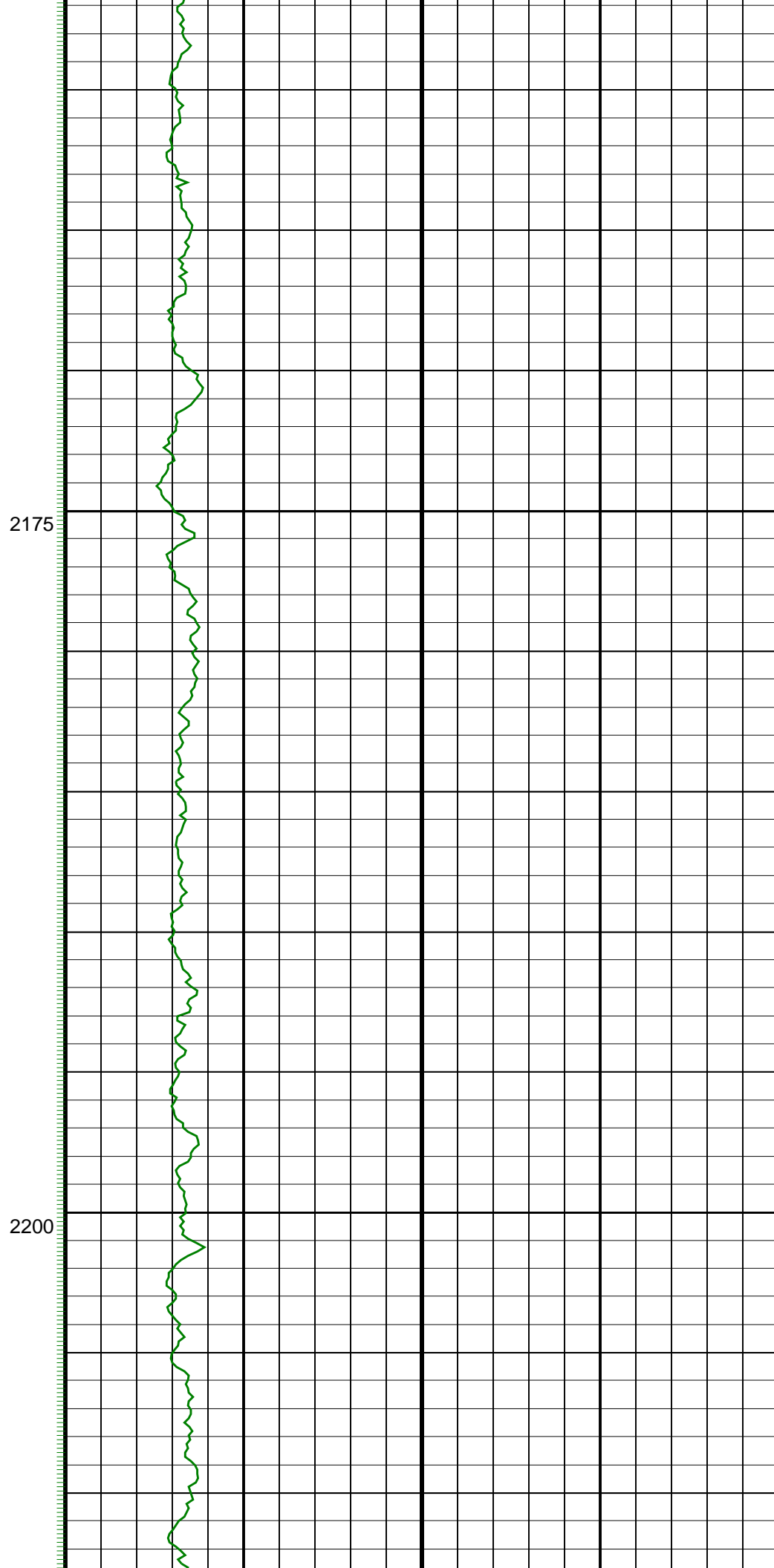
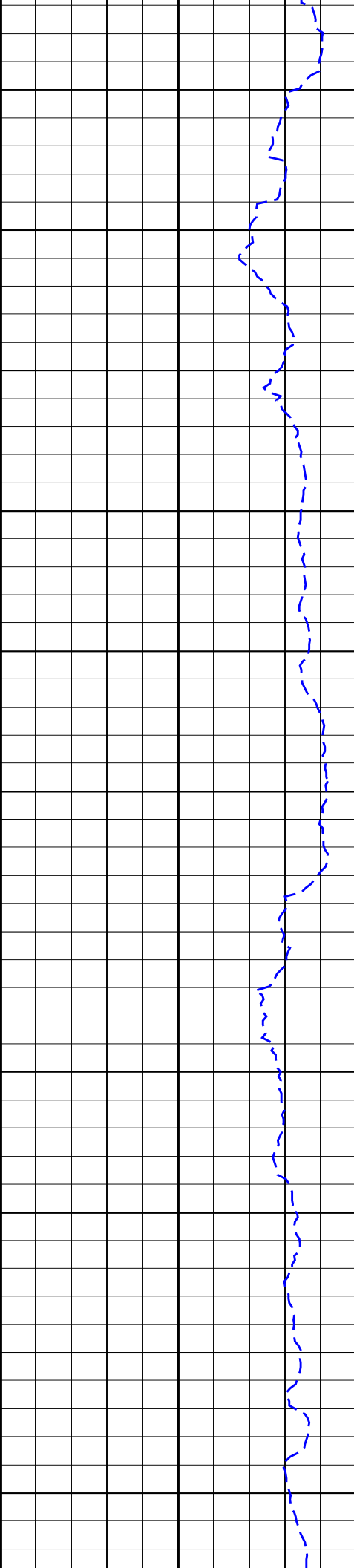


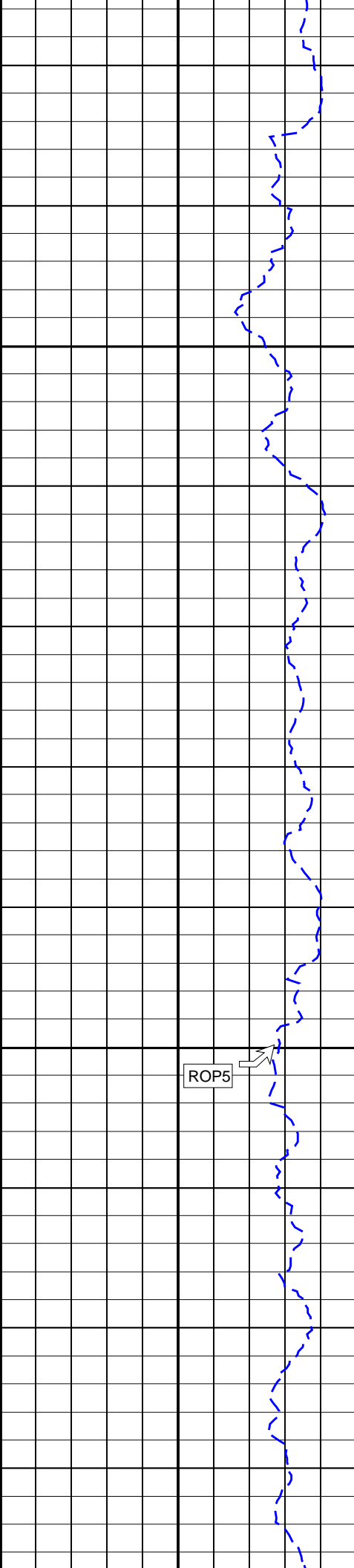






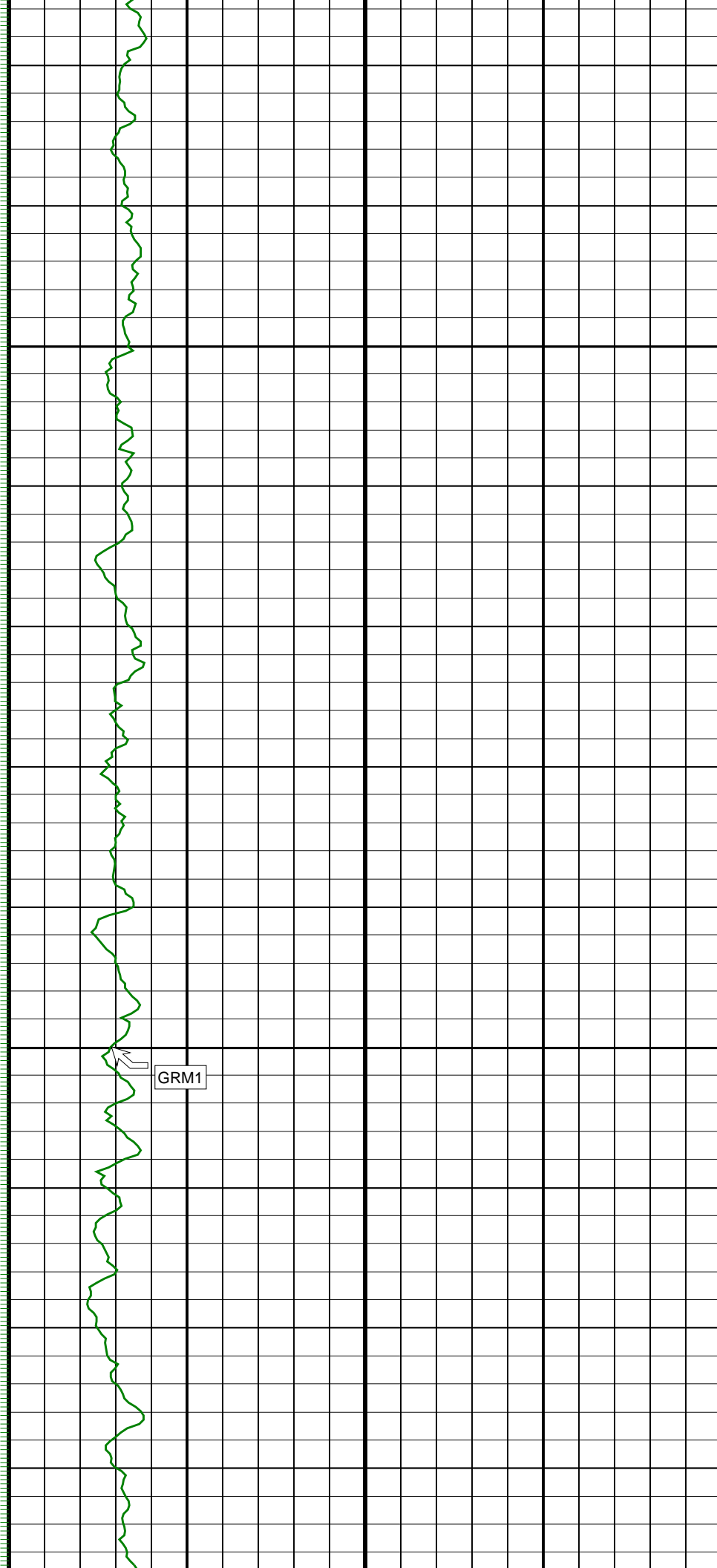


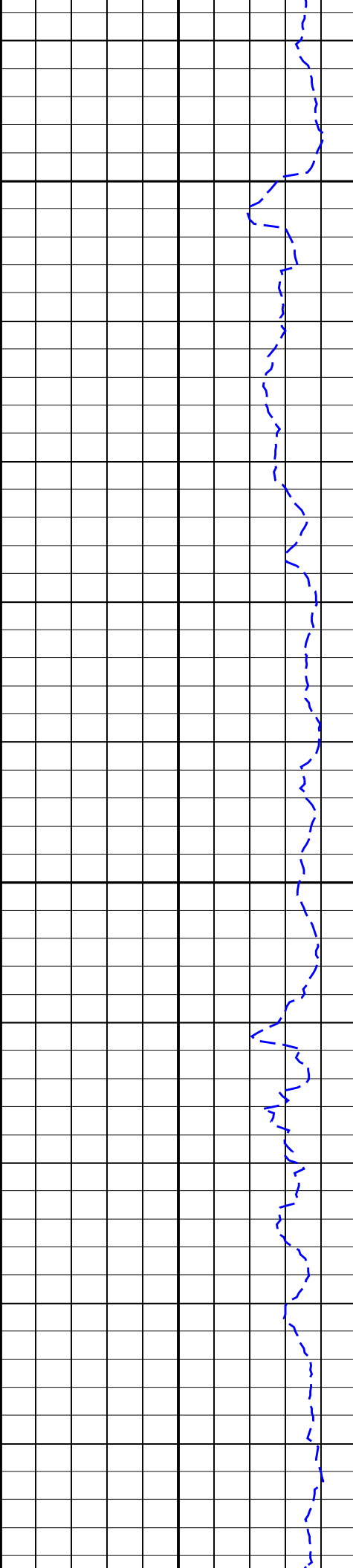


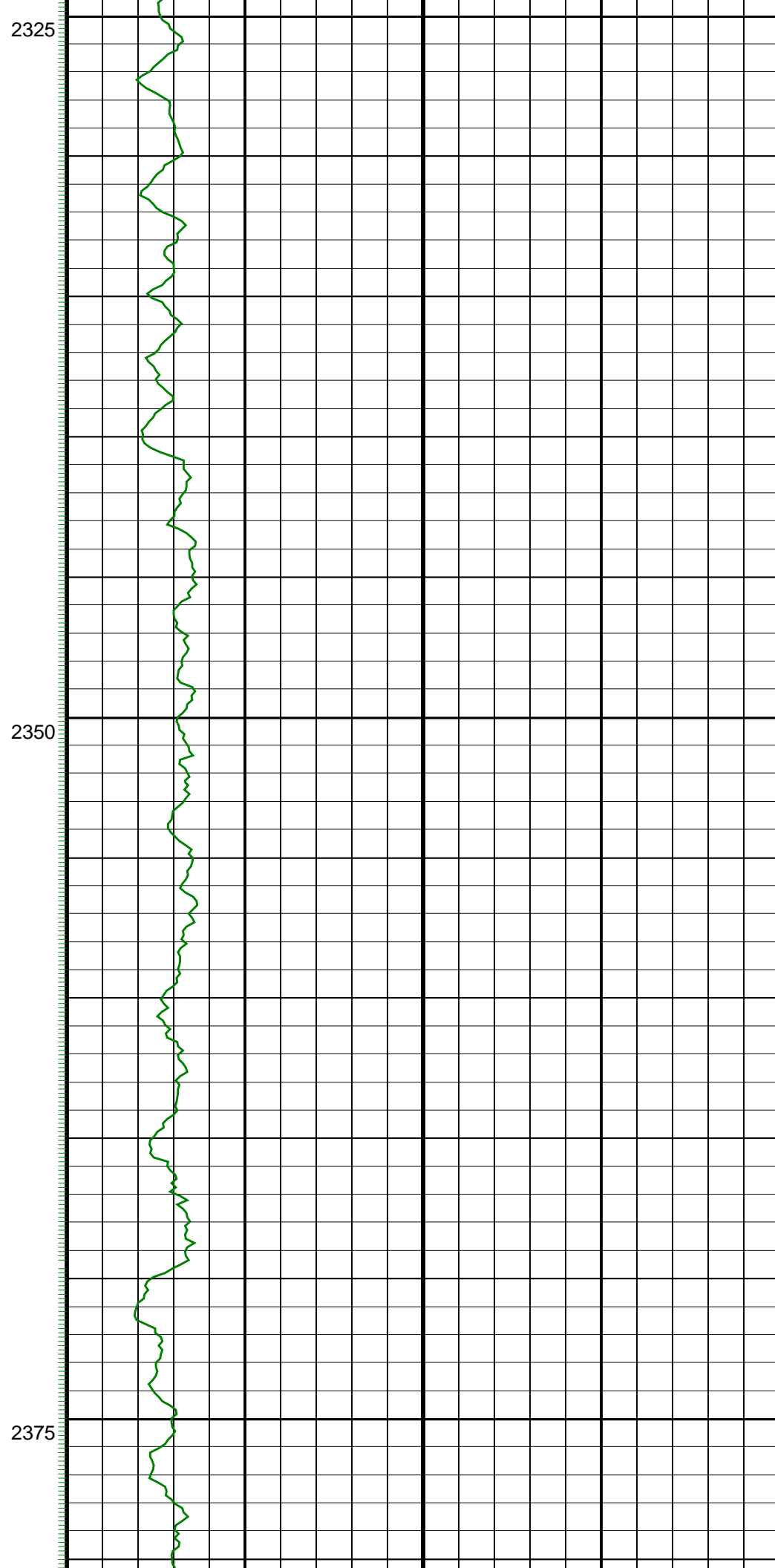
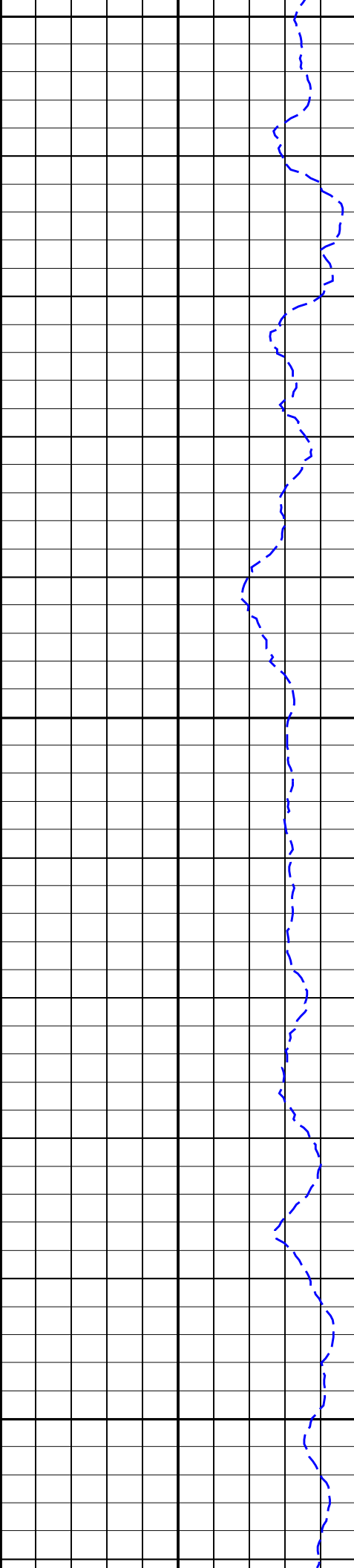


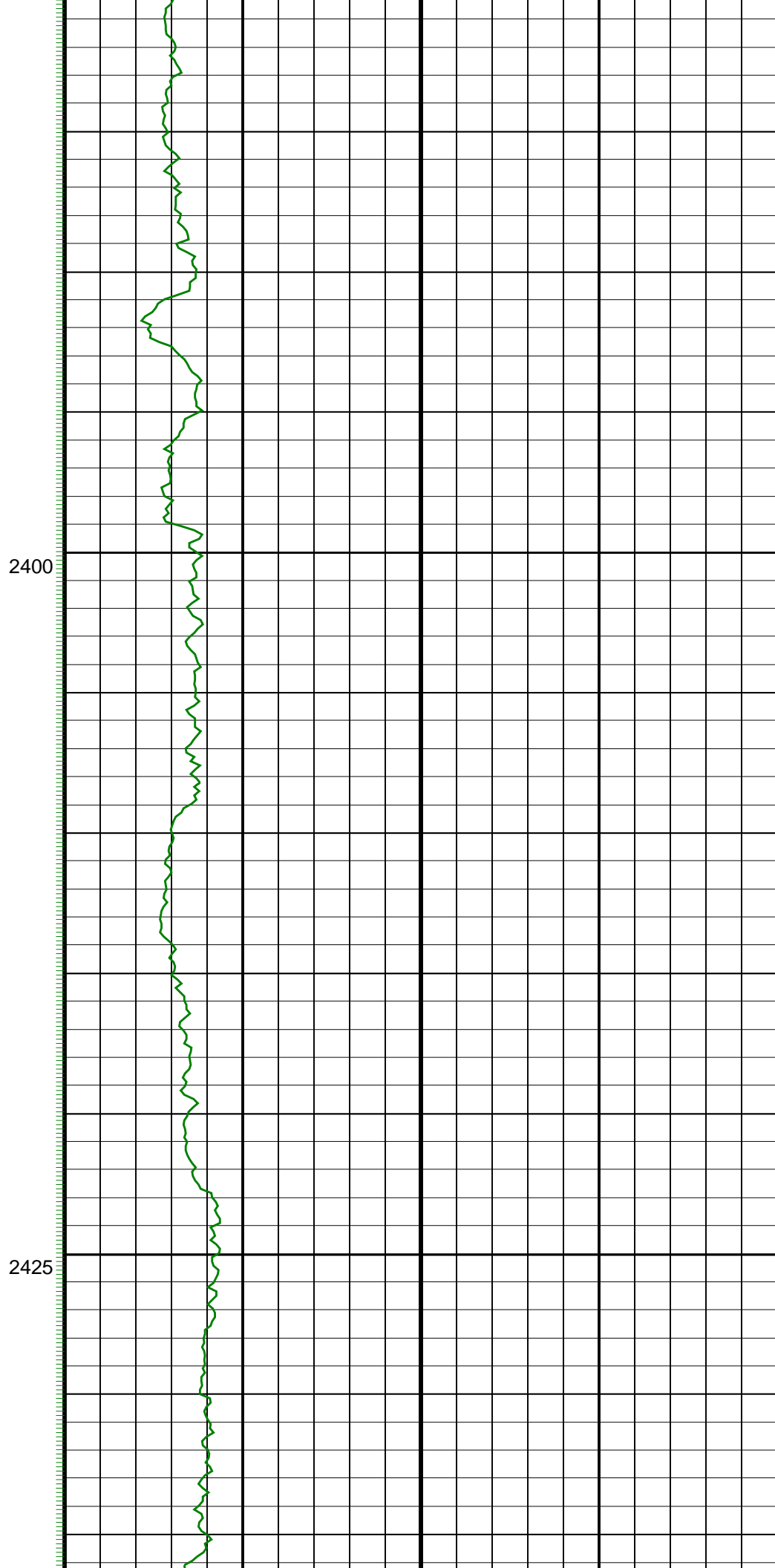
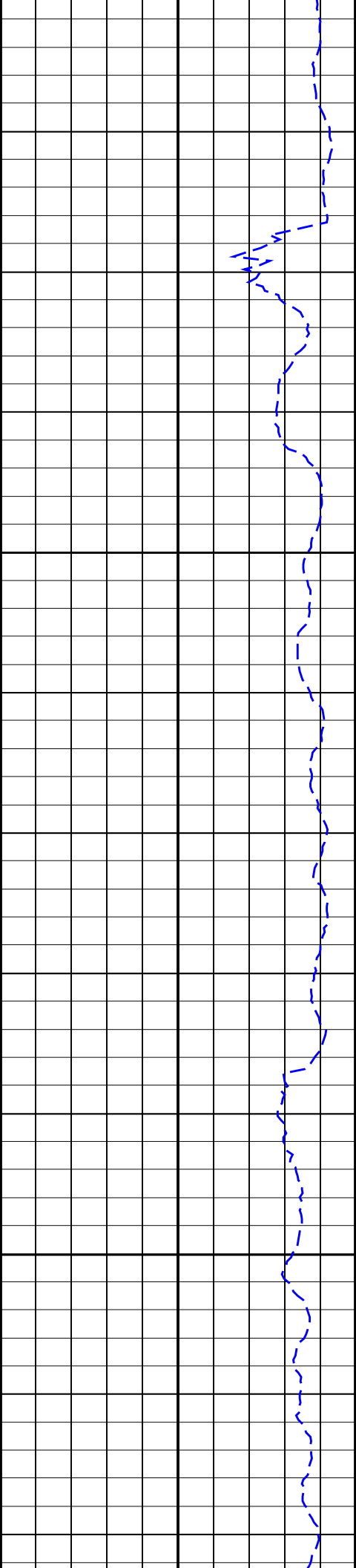
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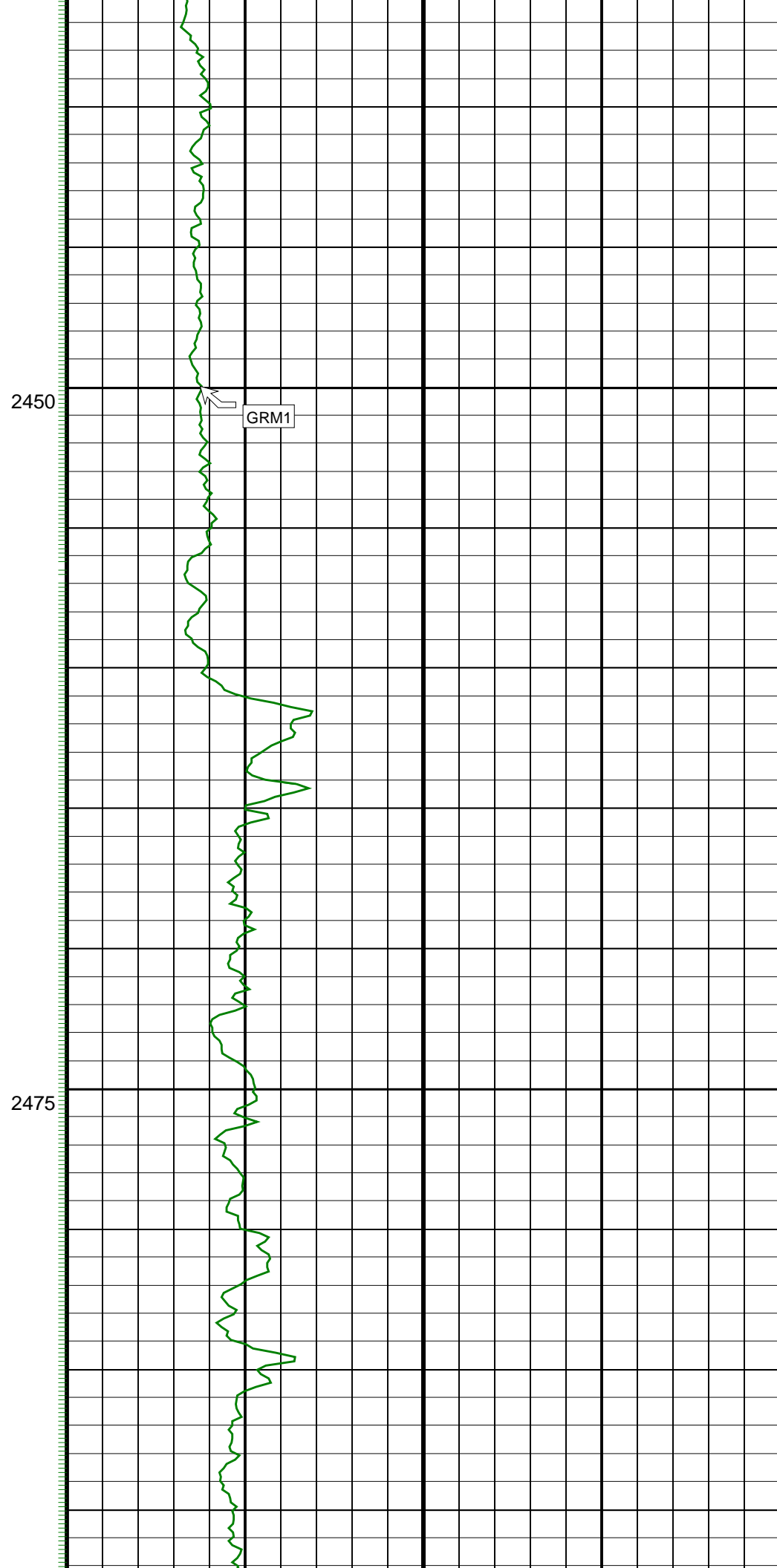
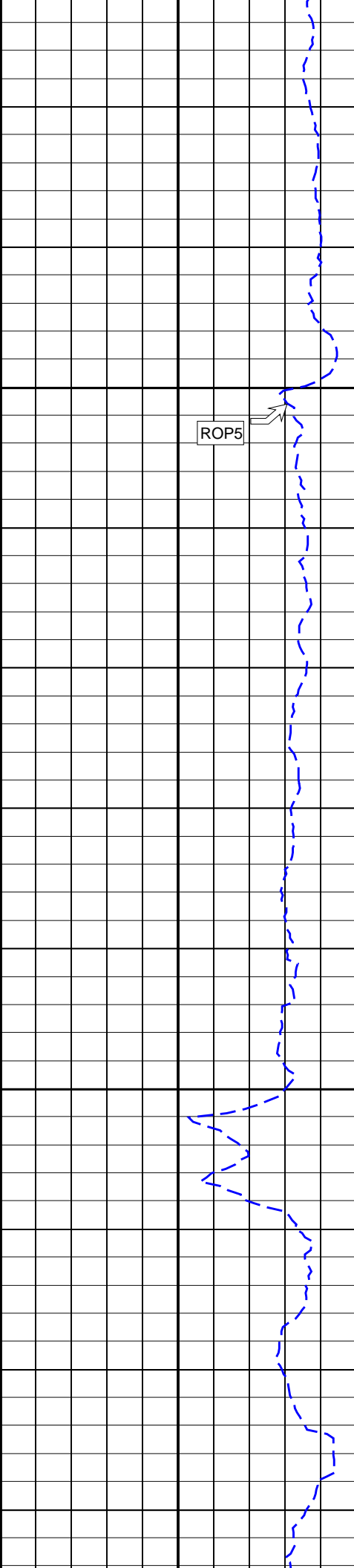
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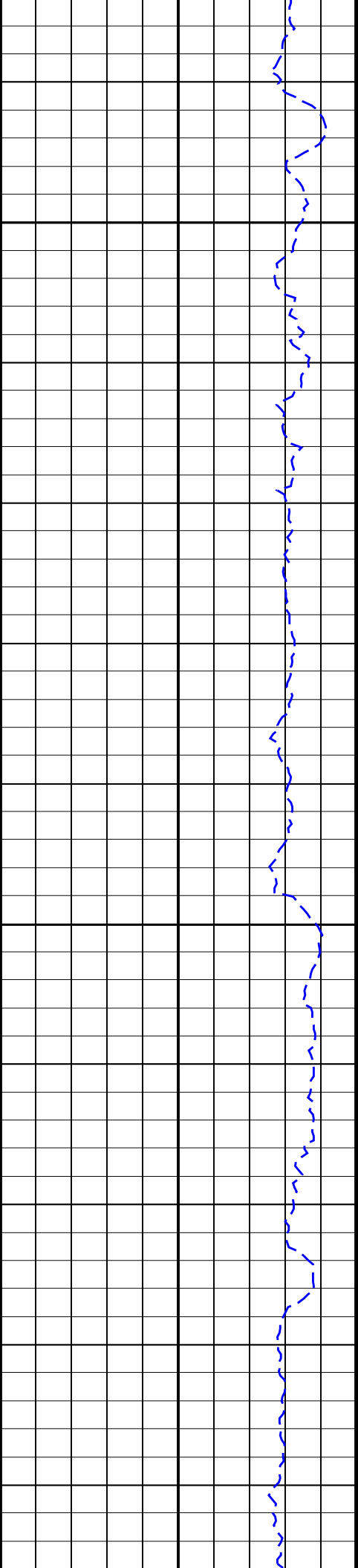






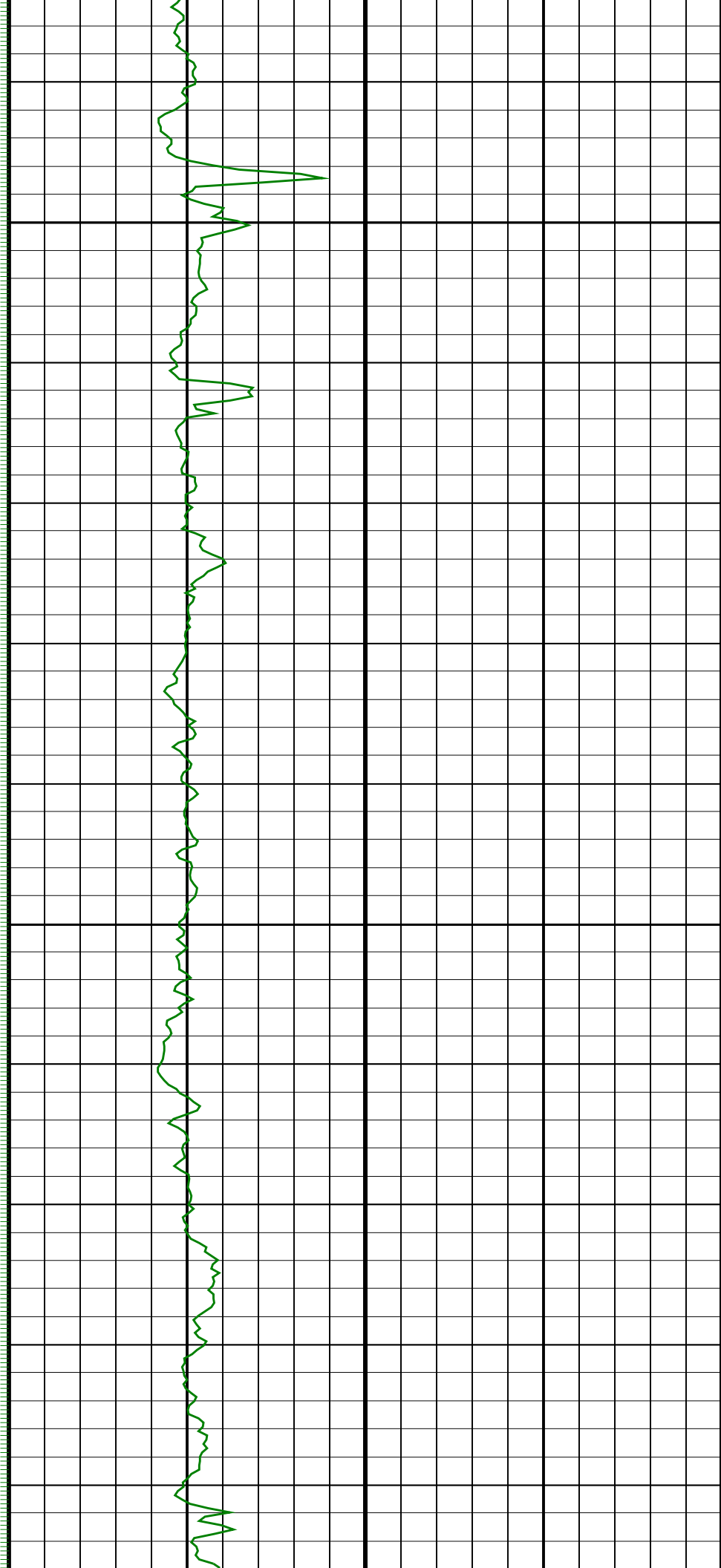


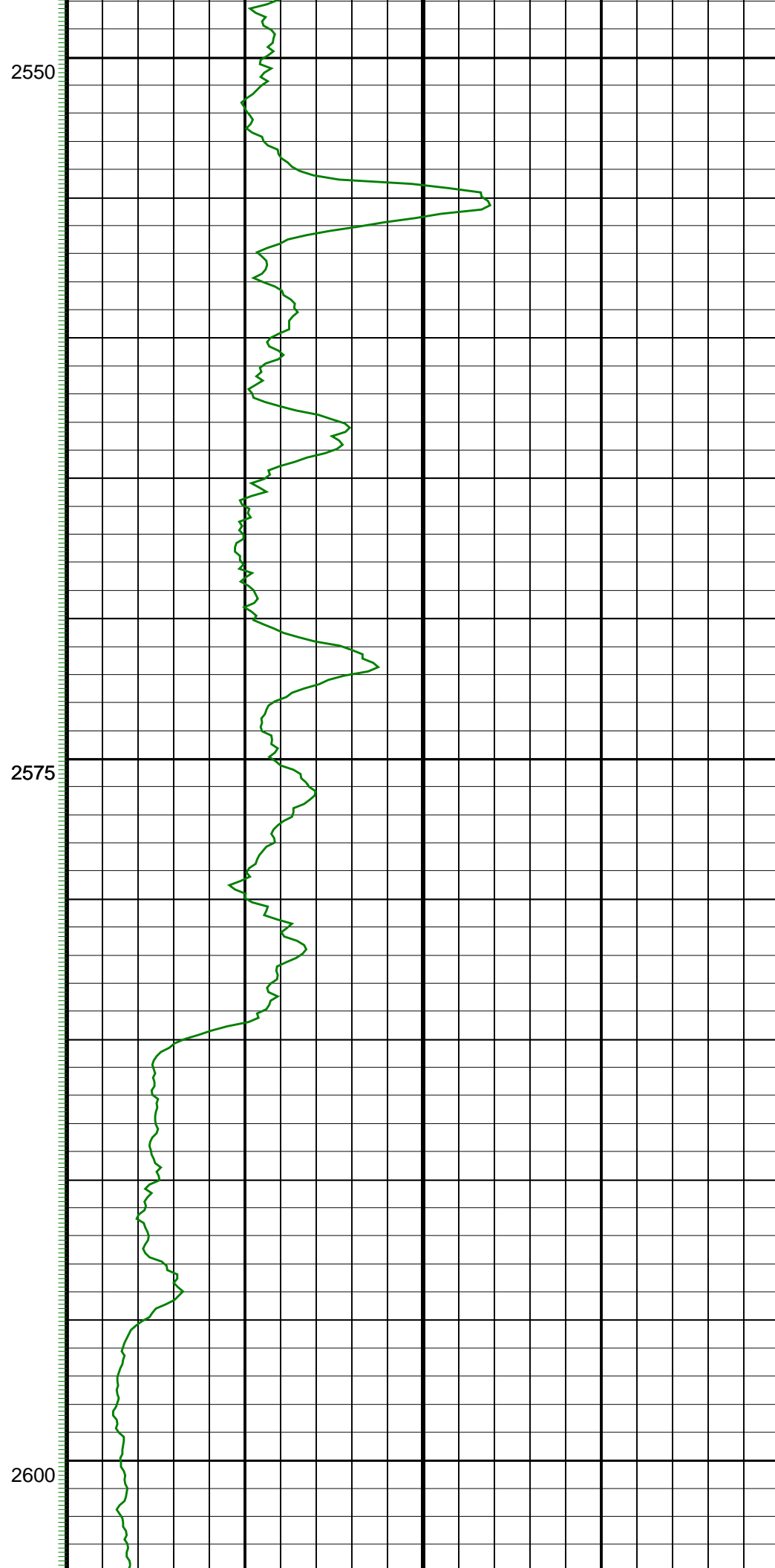
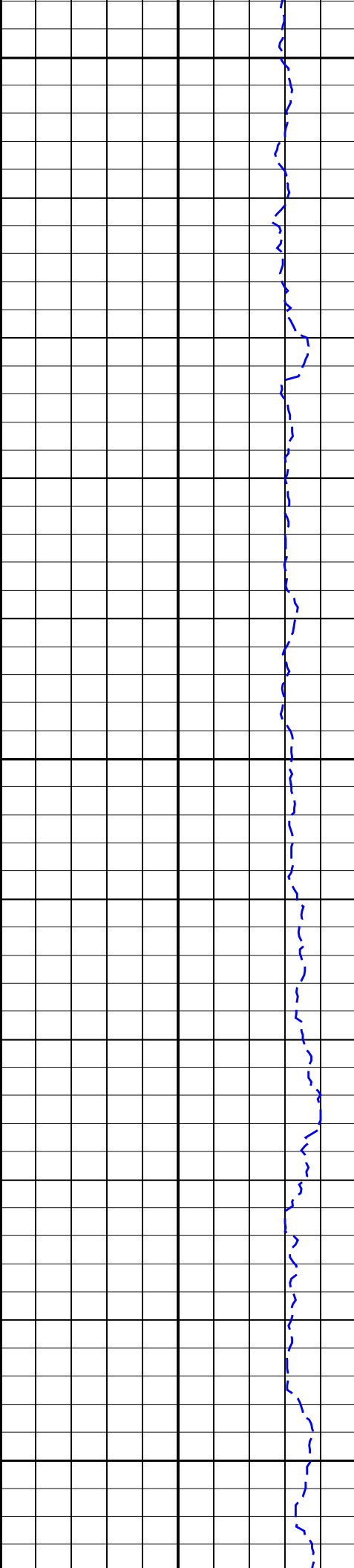


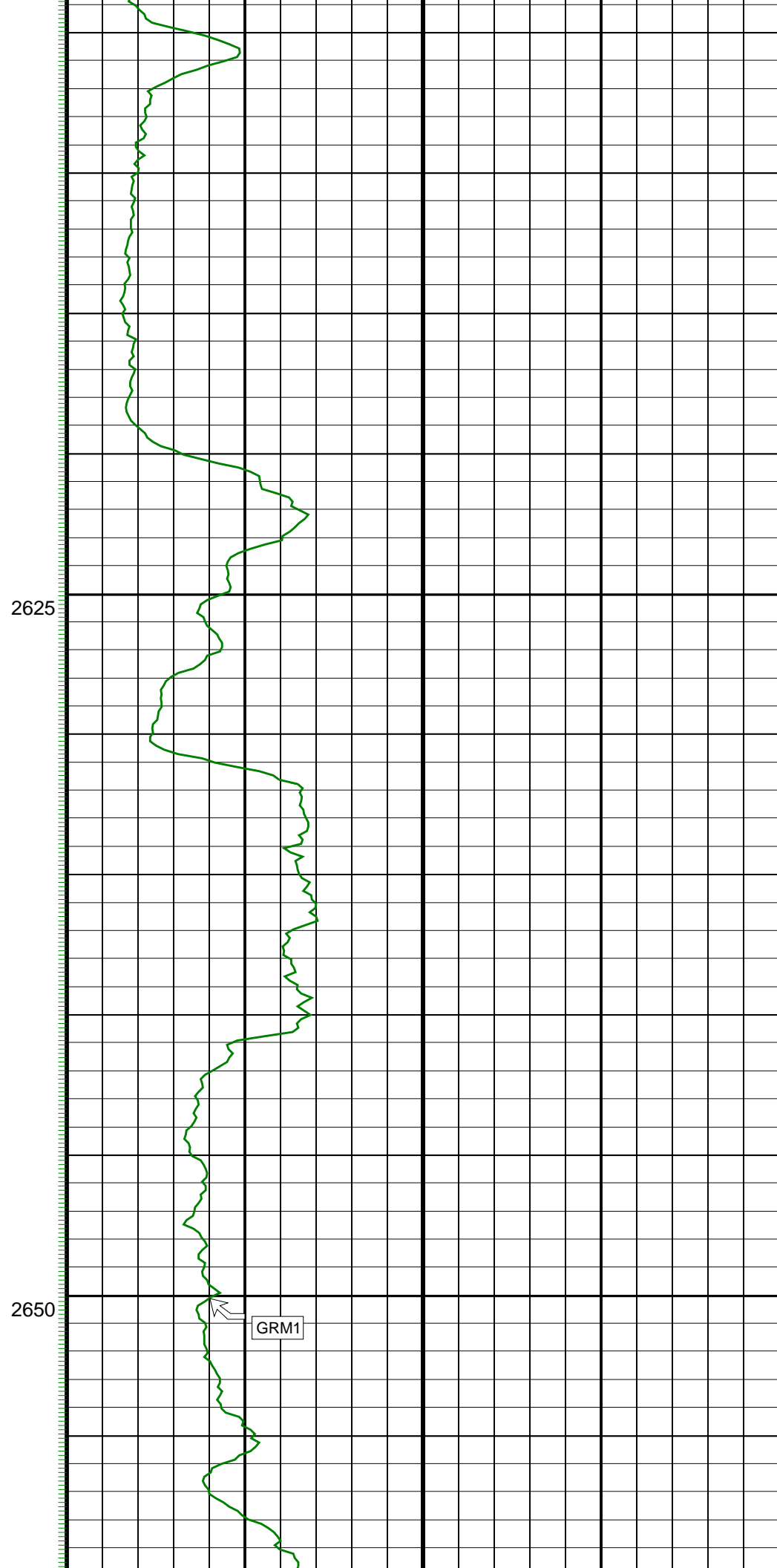
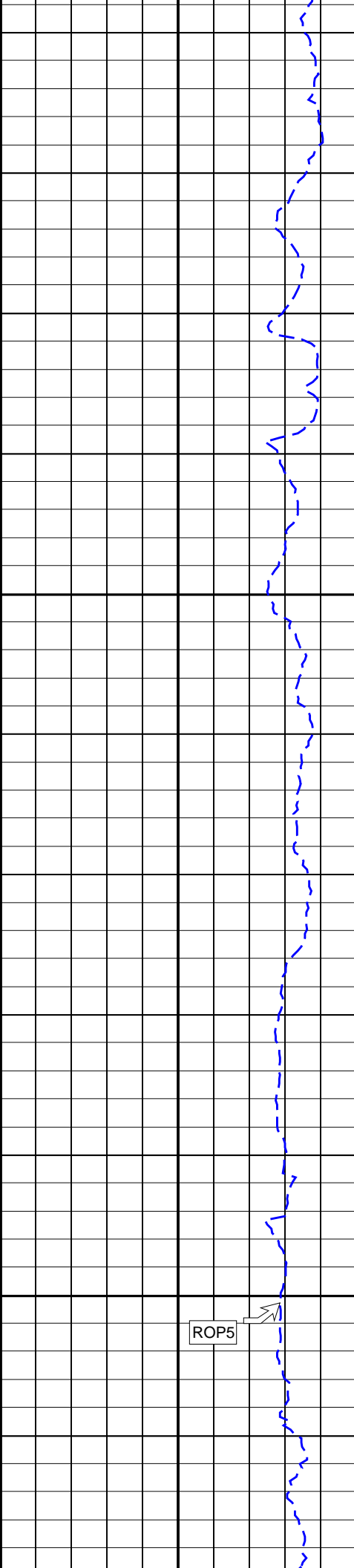


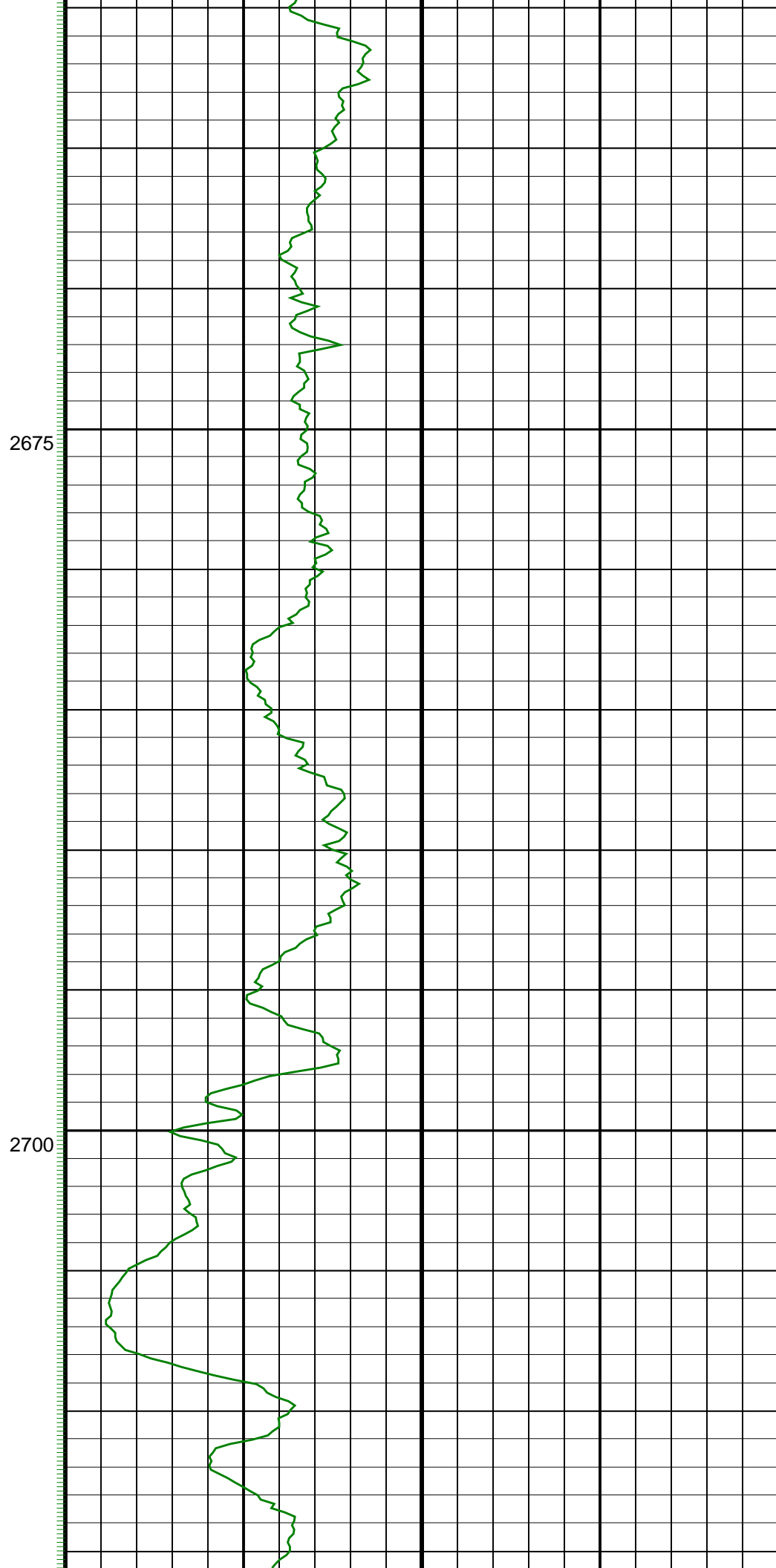
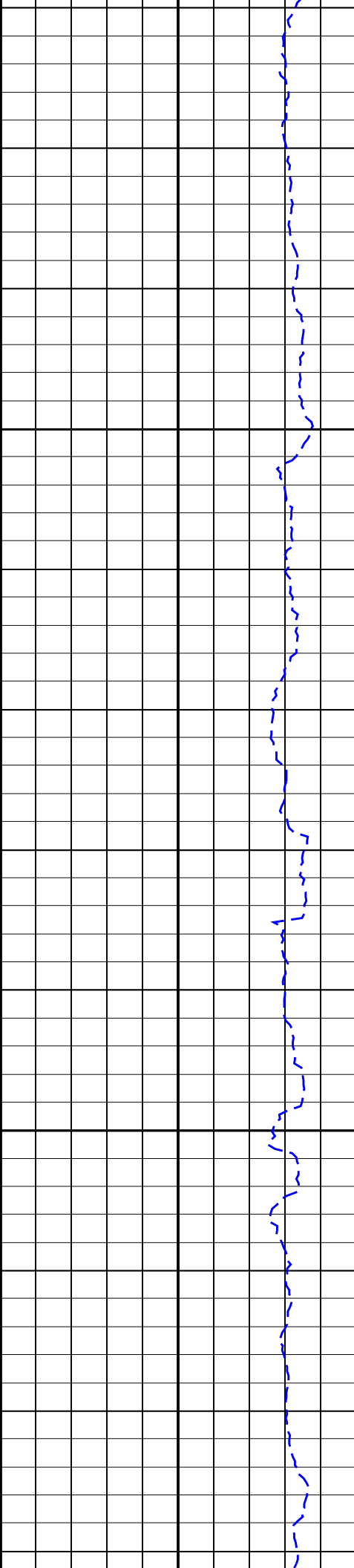
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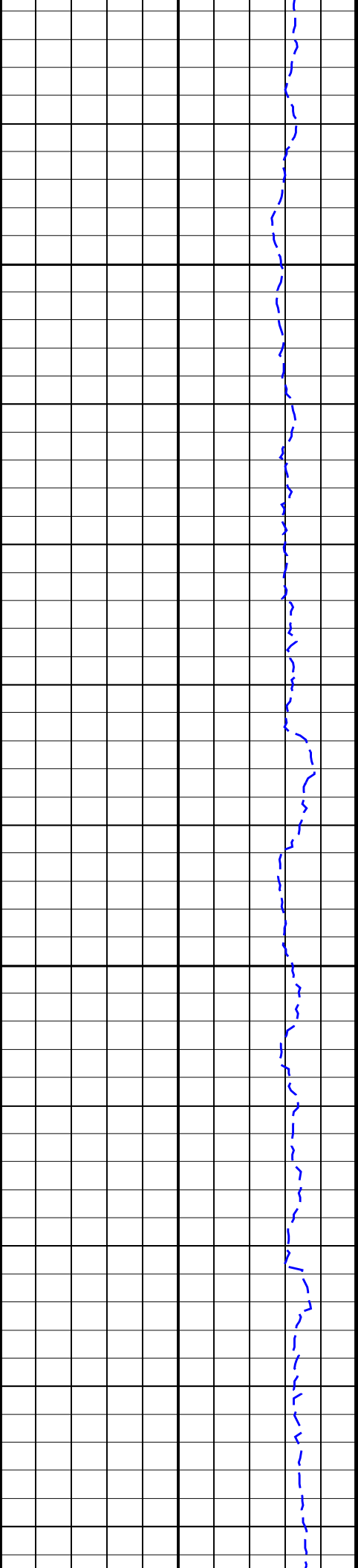
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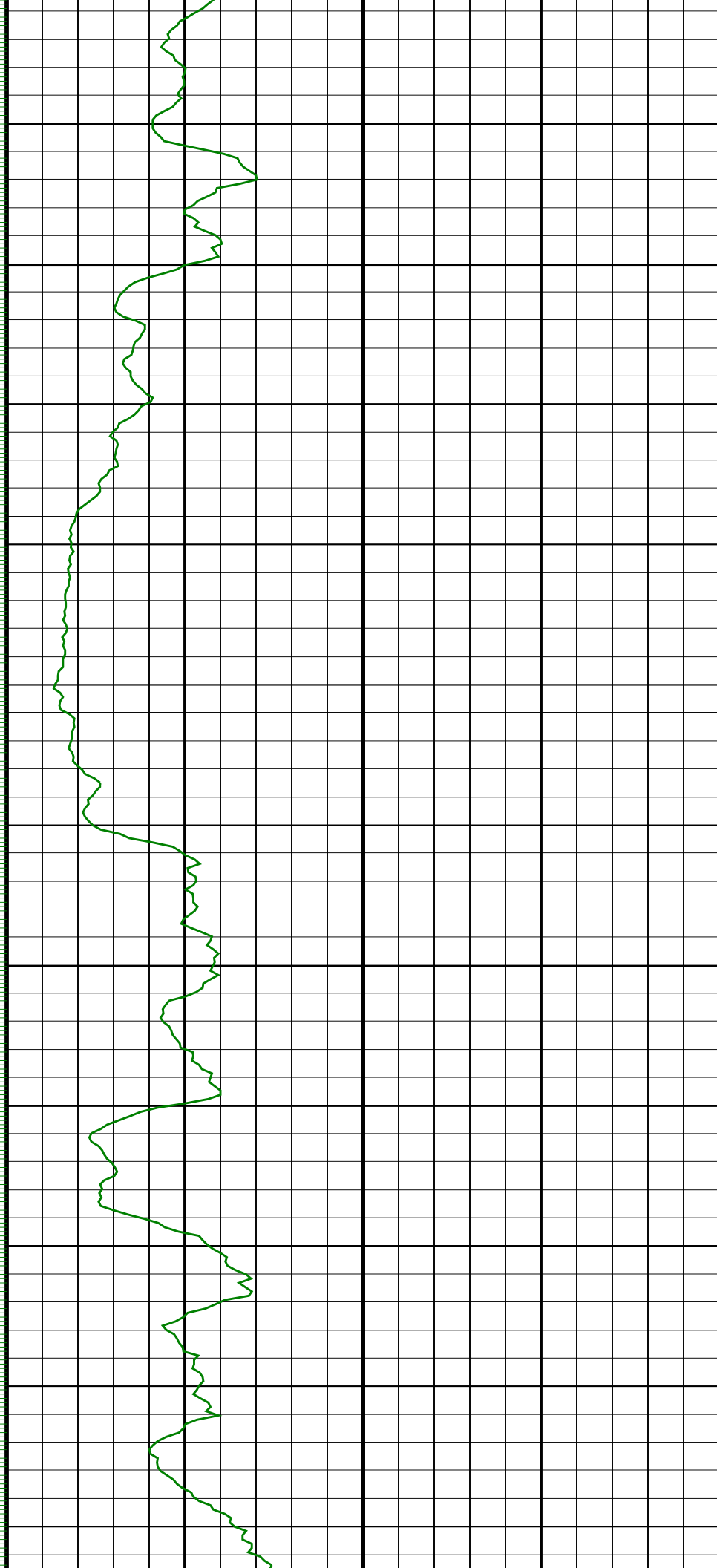


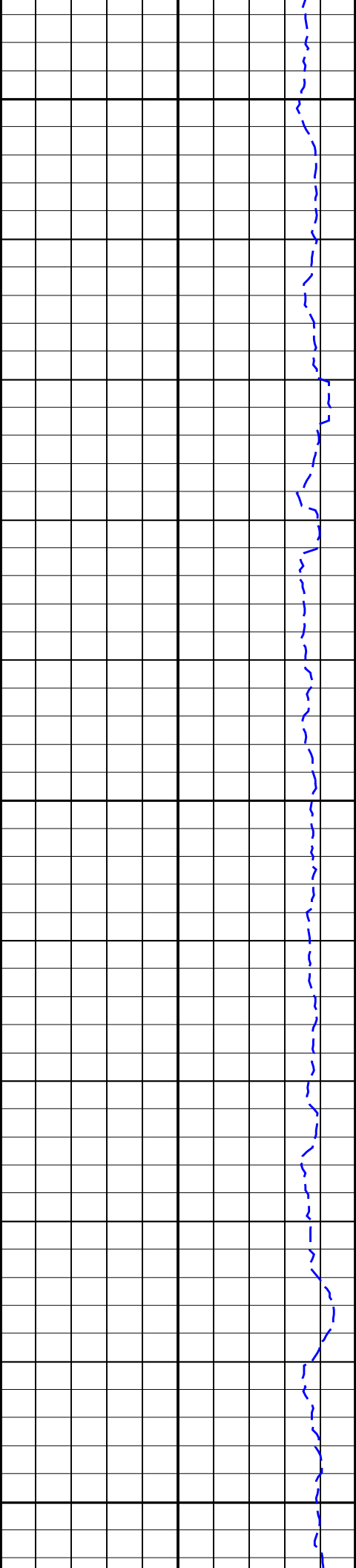




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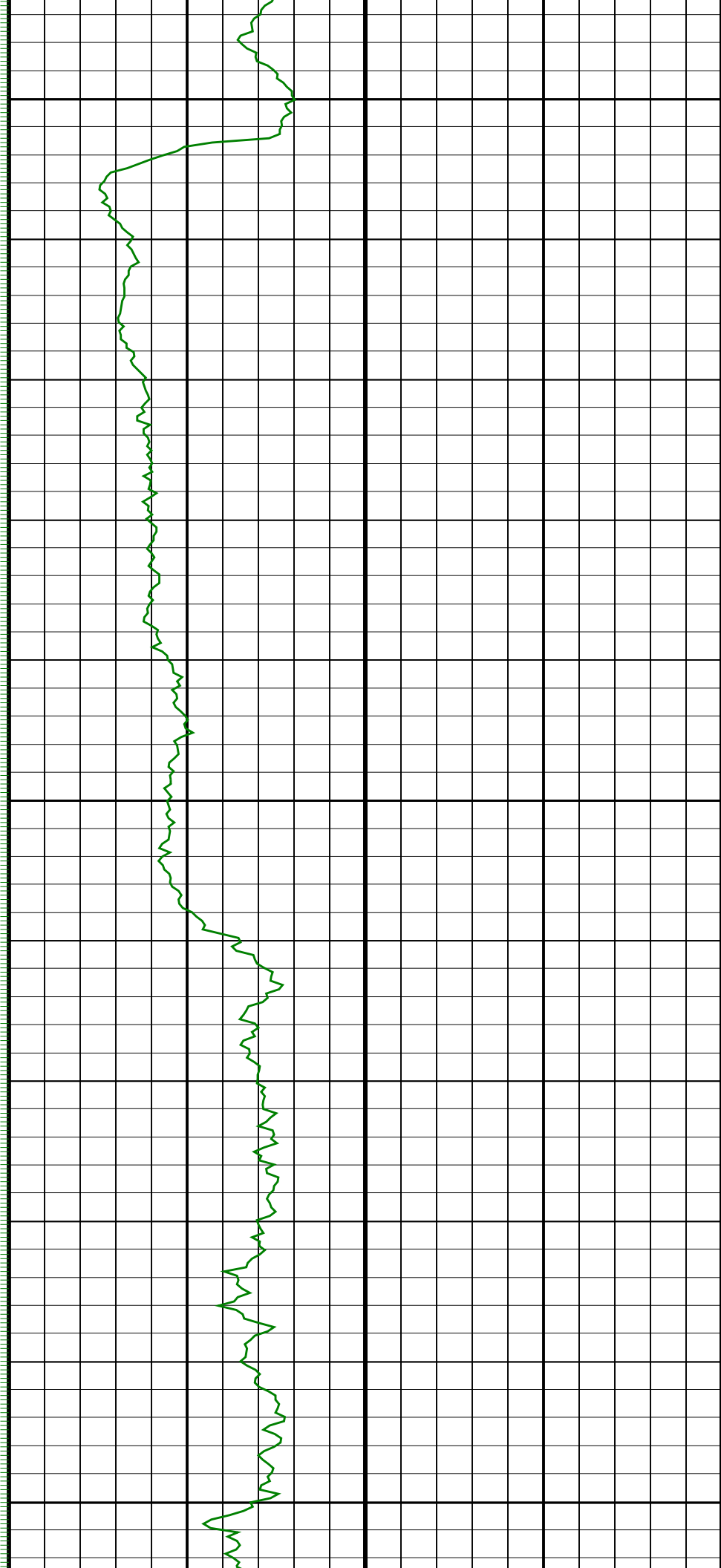


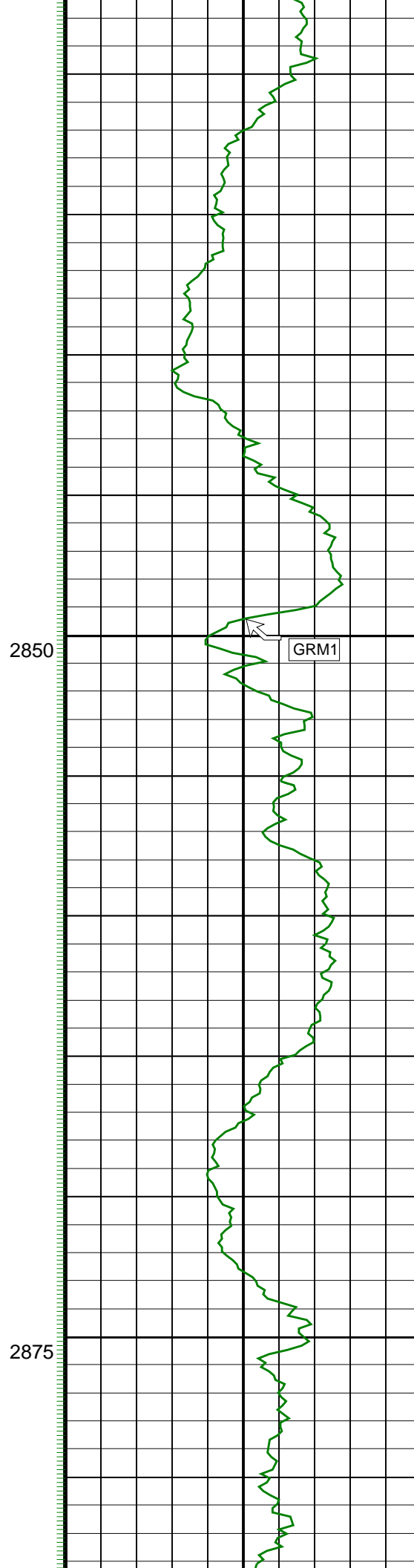
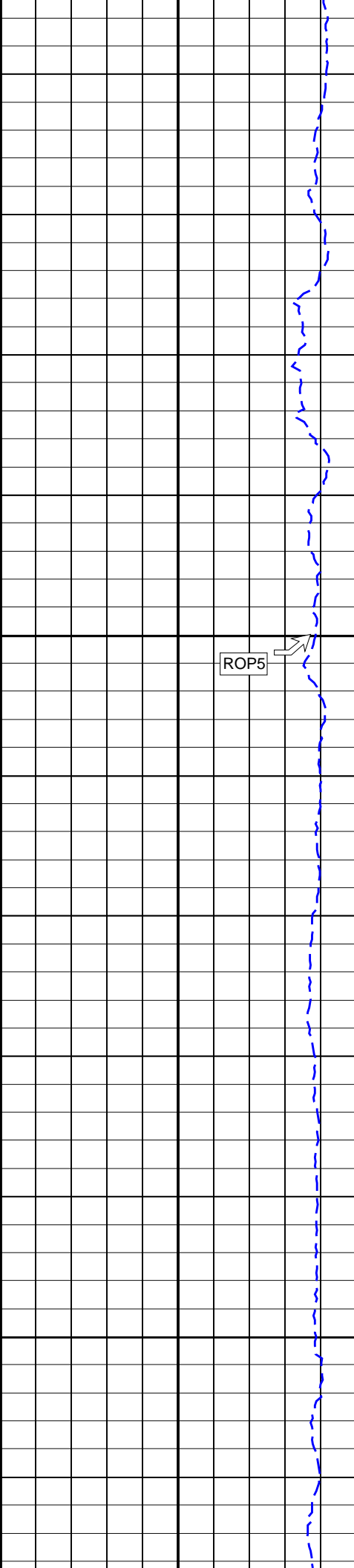


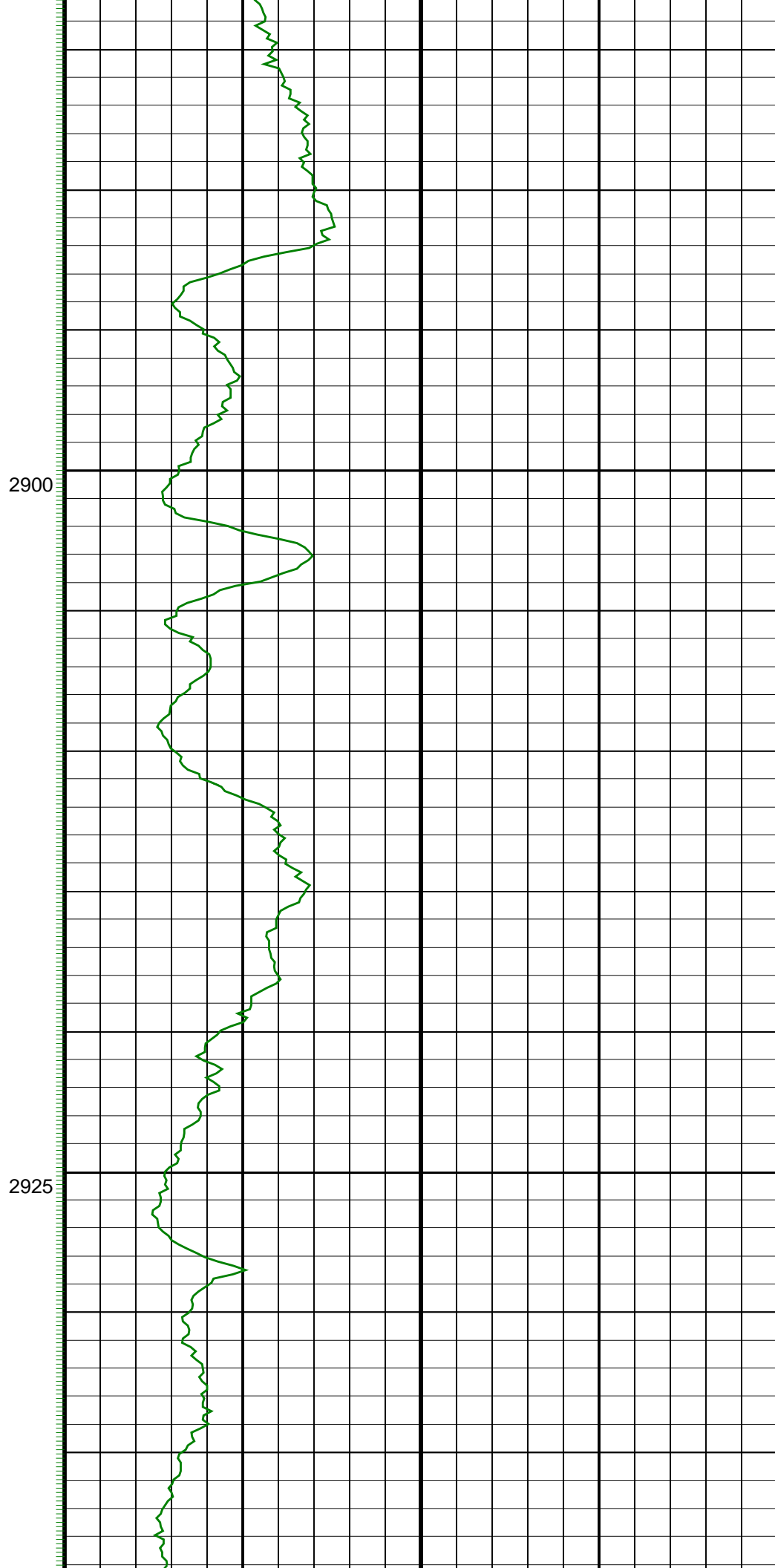
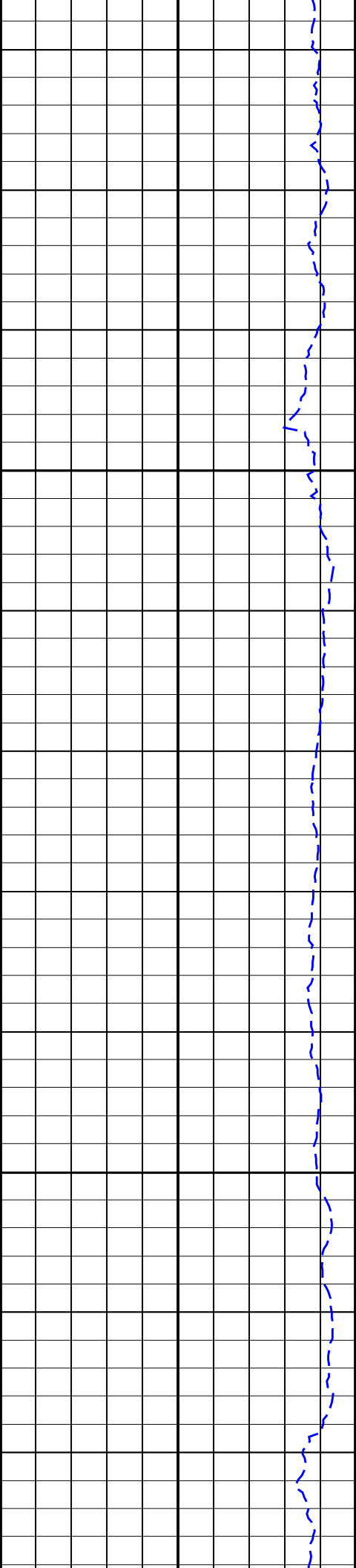
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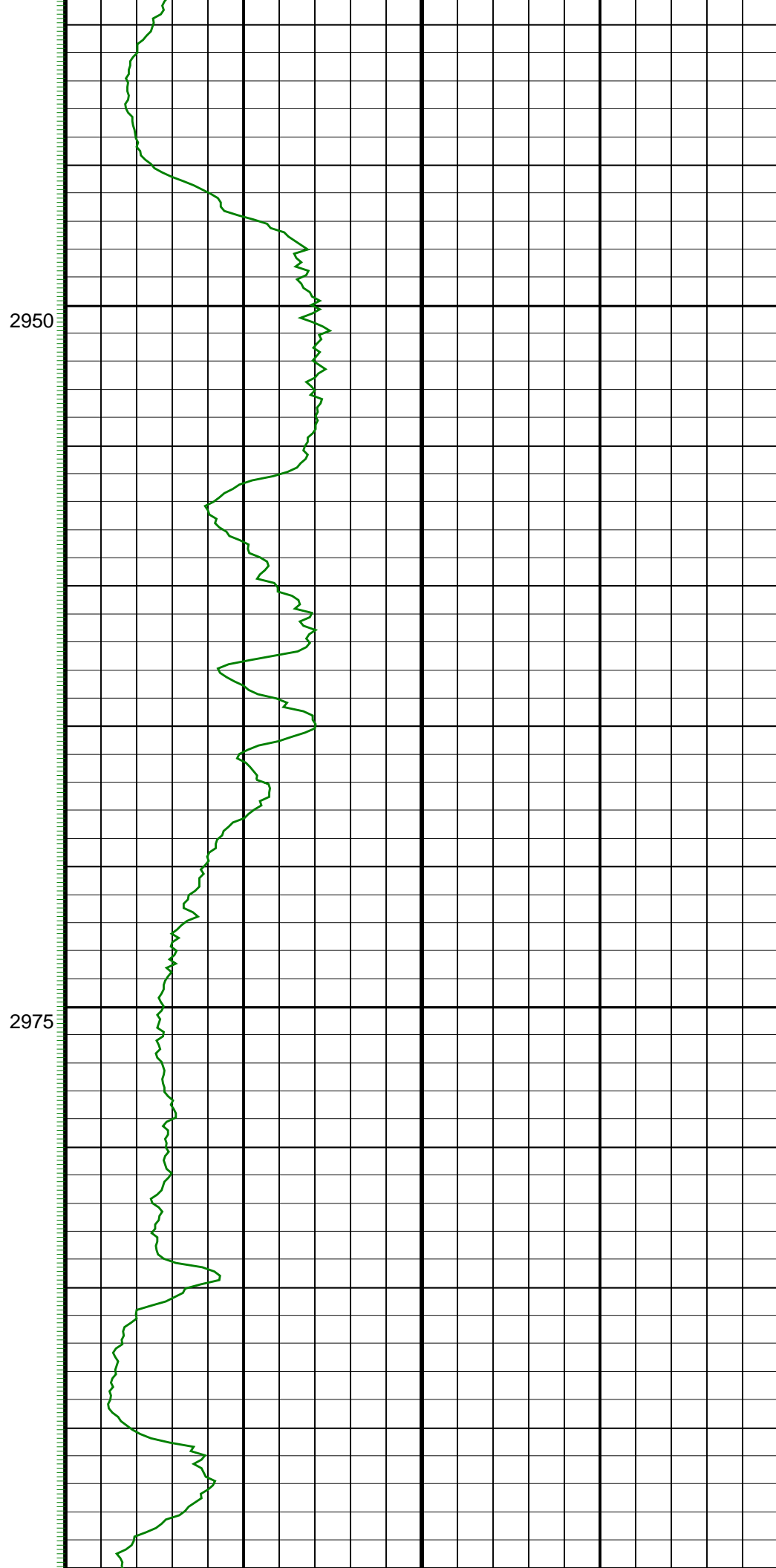
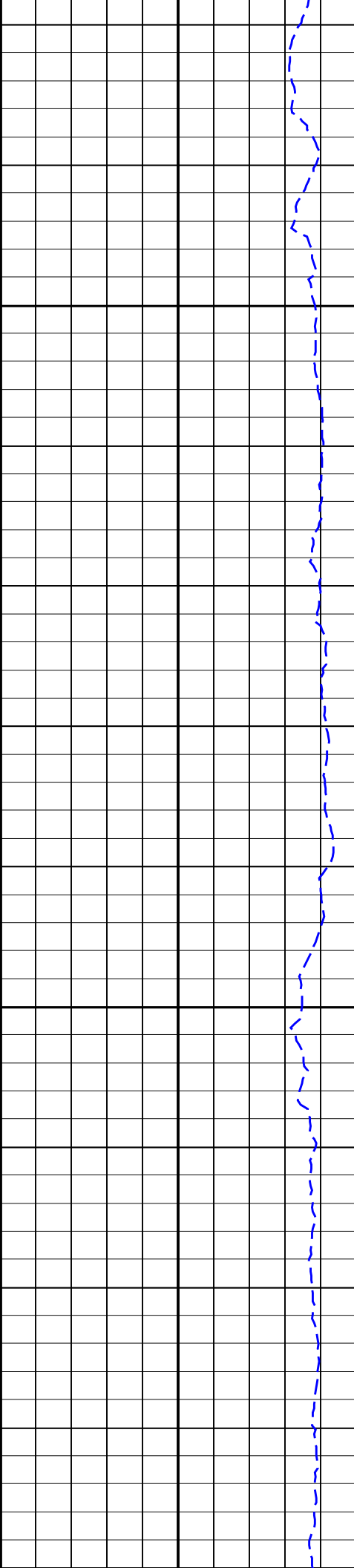
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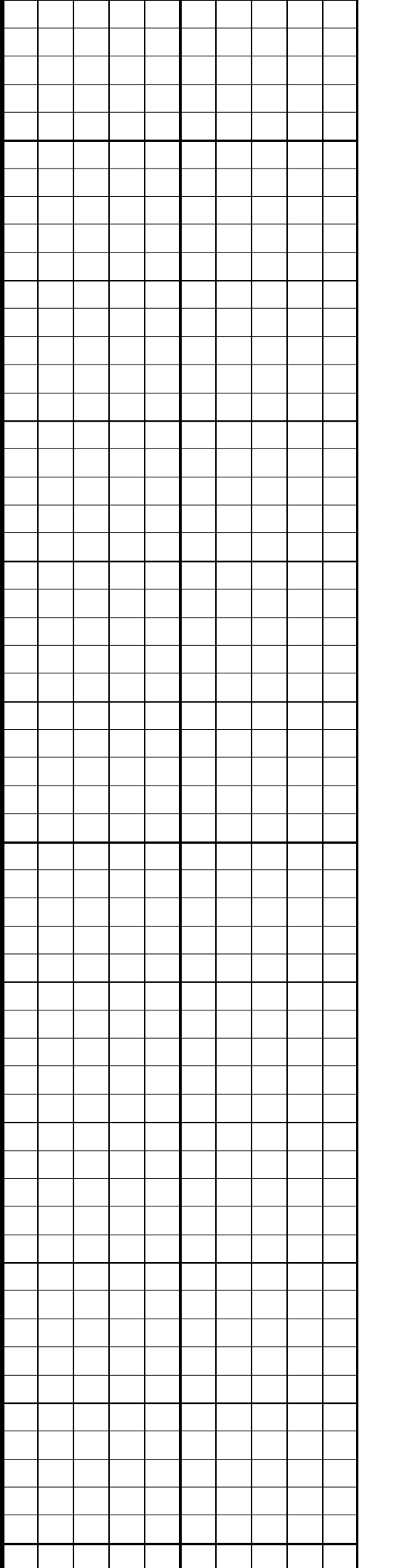
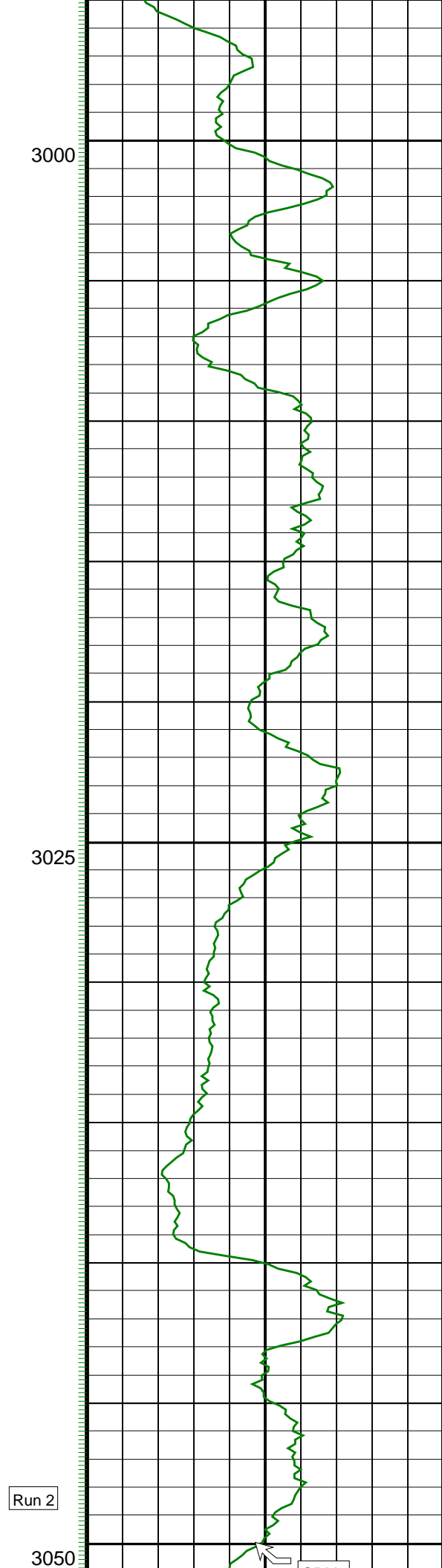
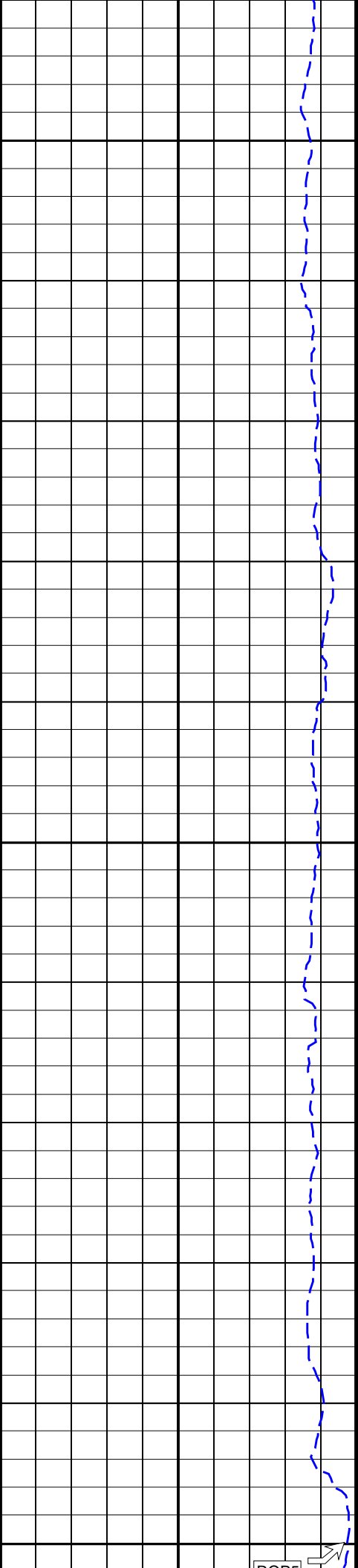
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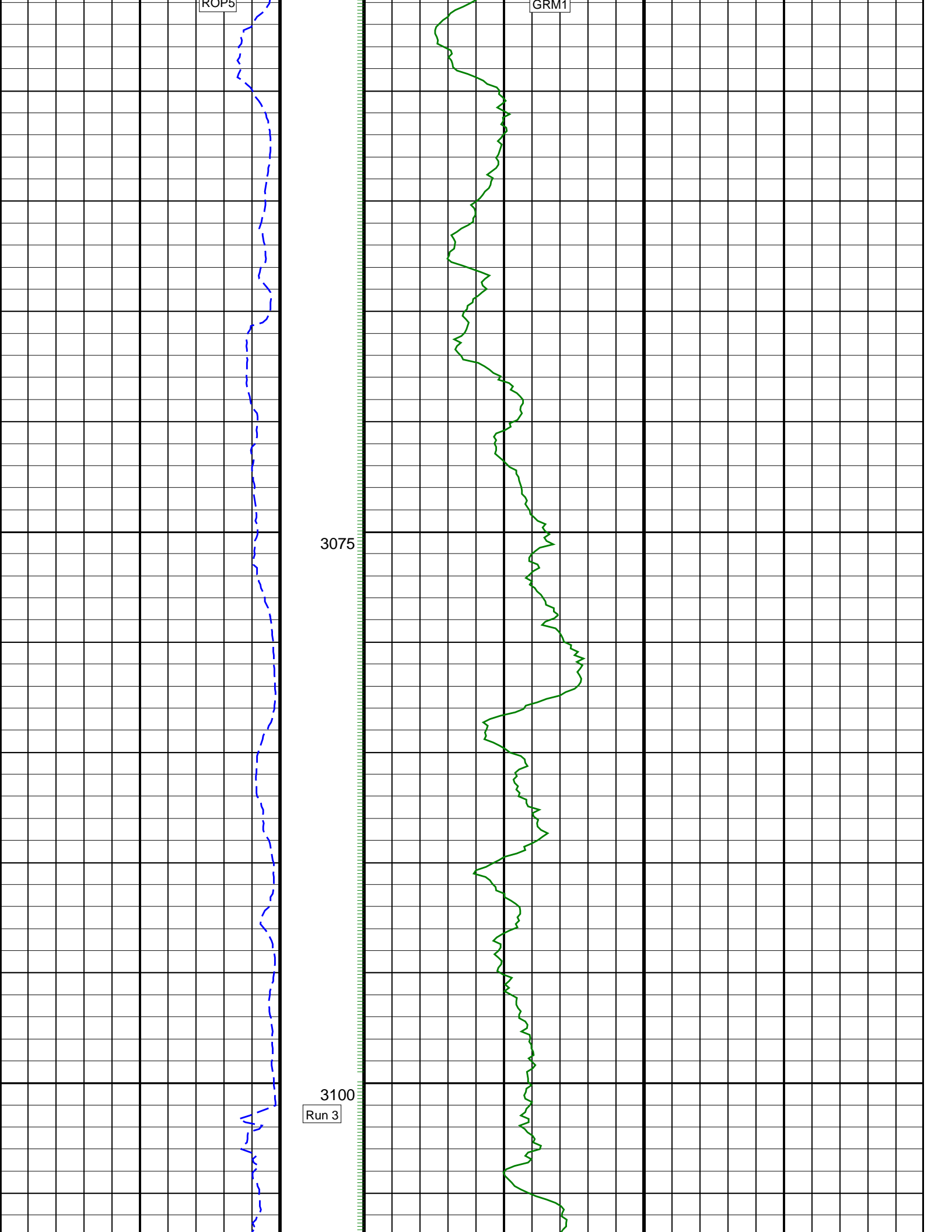
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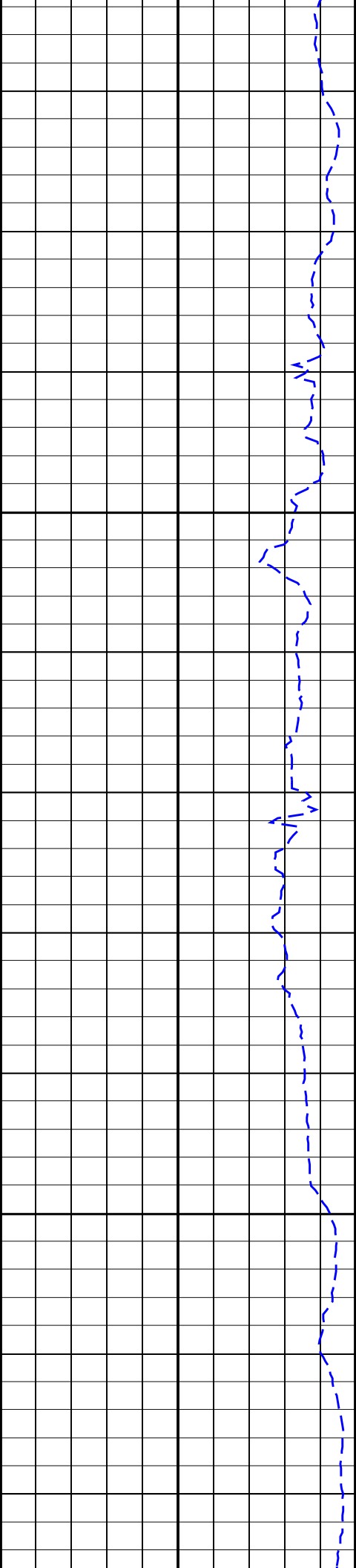
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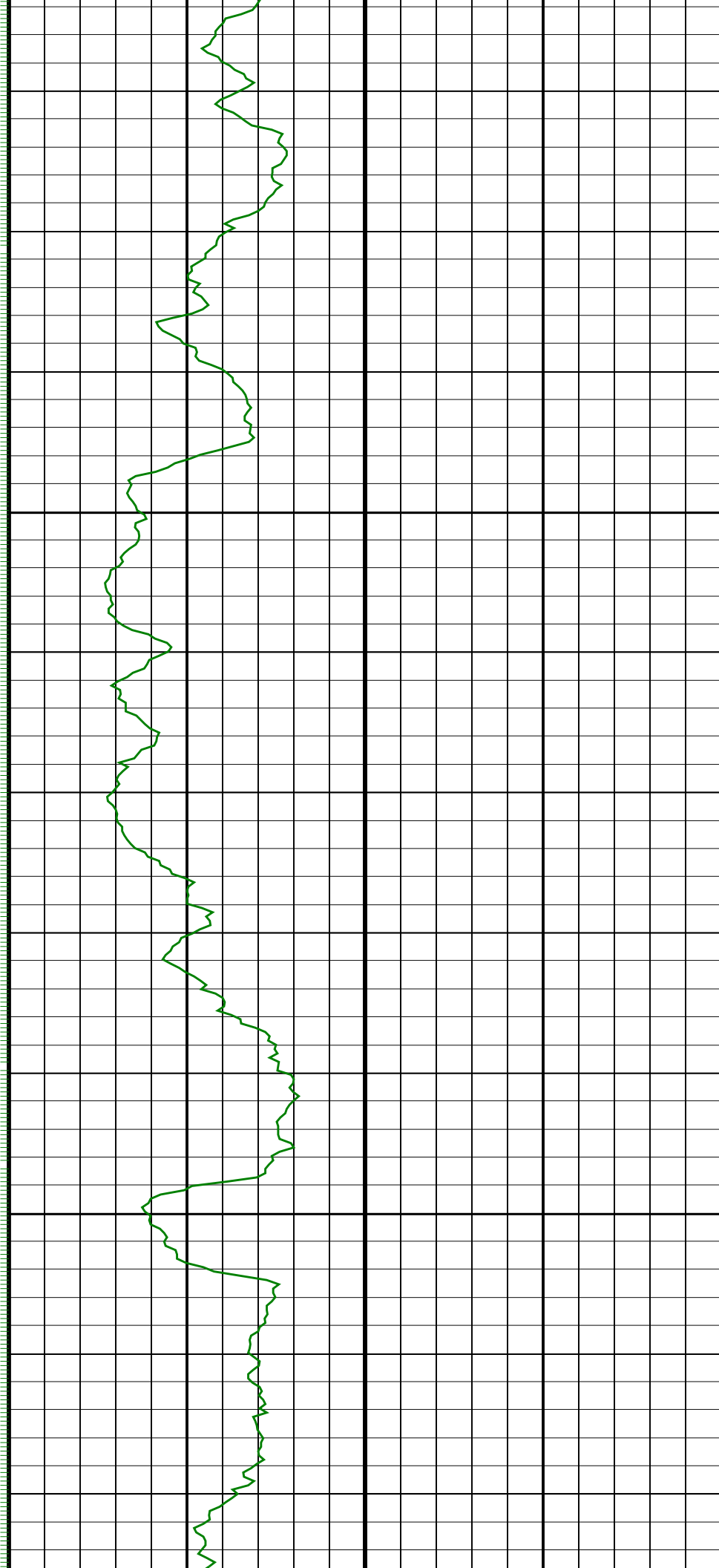
Run 3

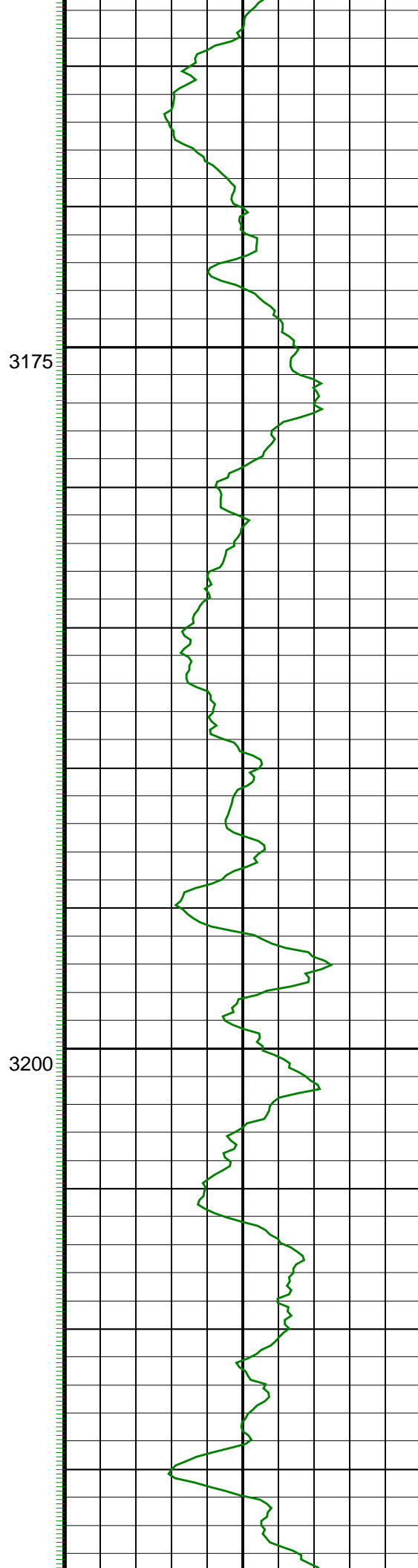
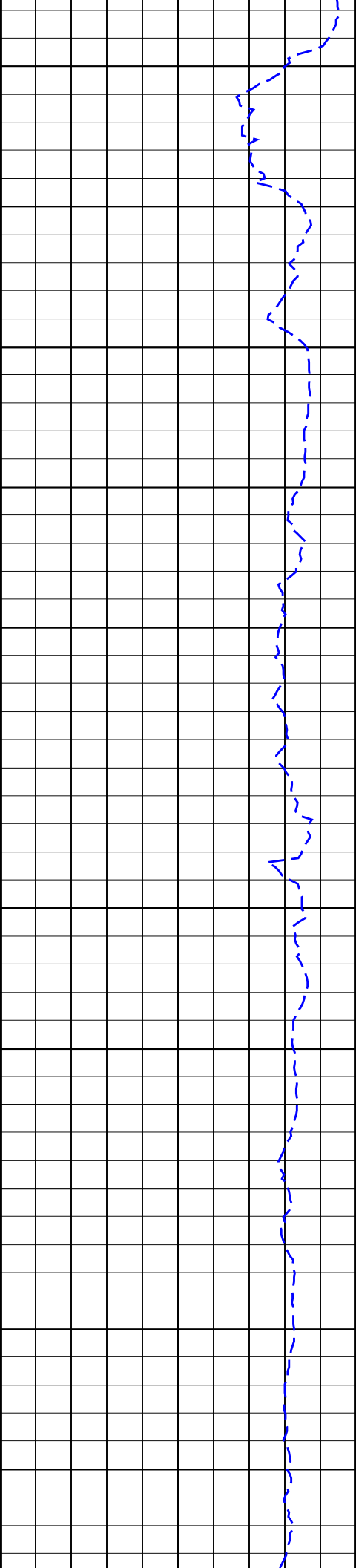




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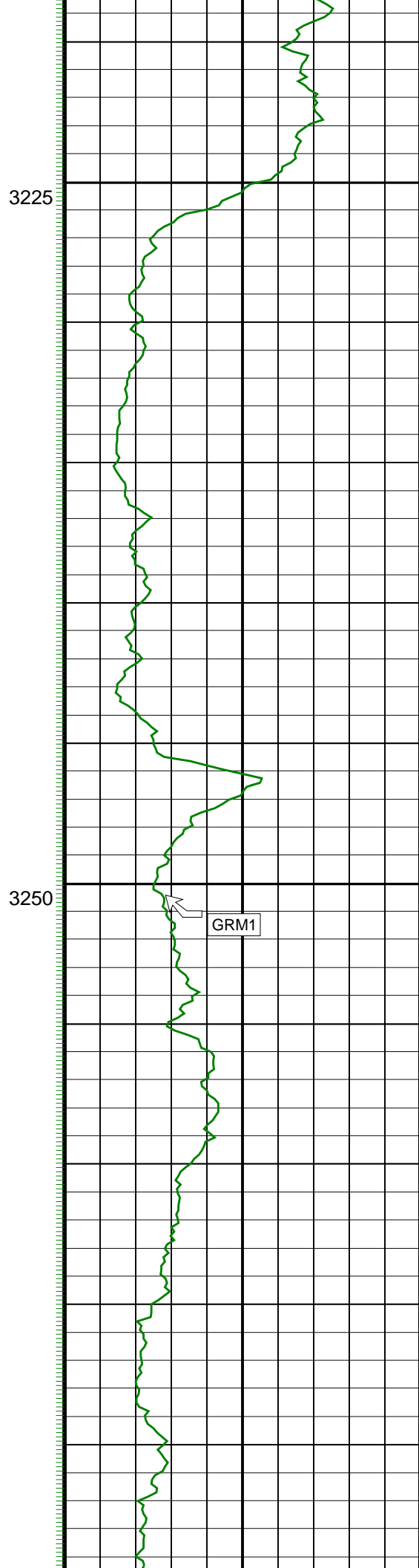
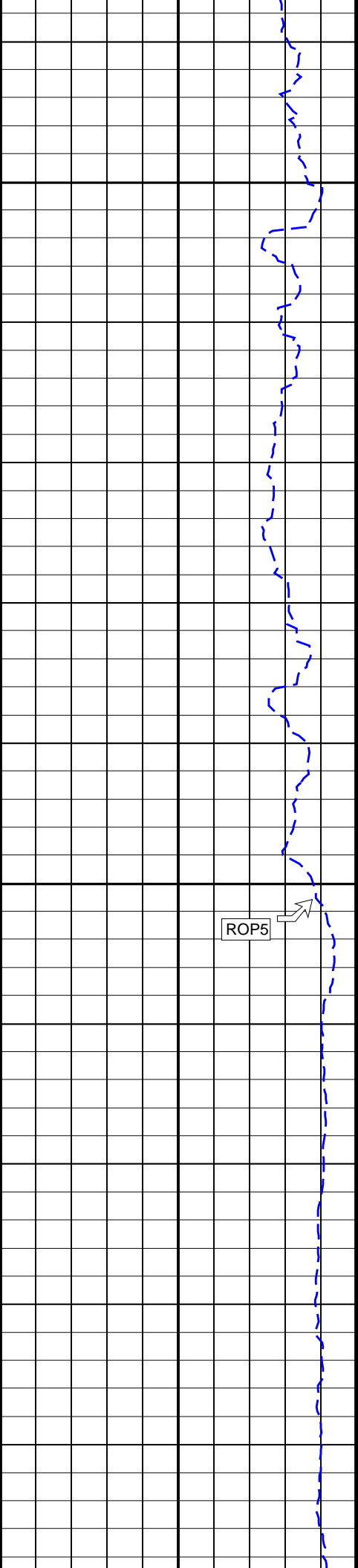
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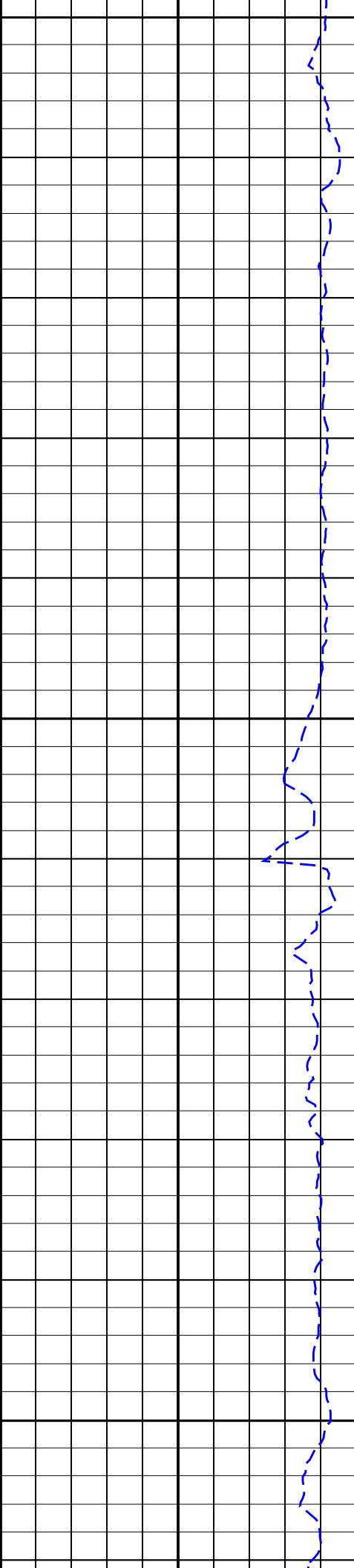




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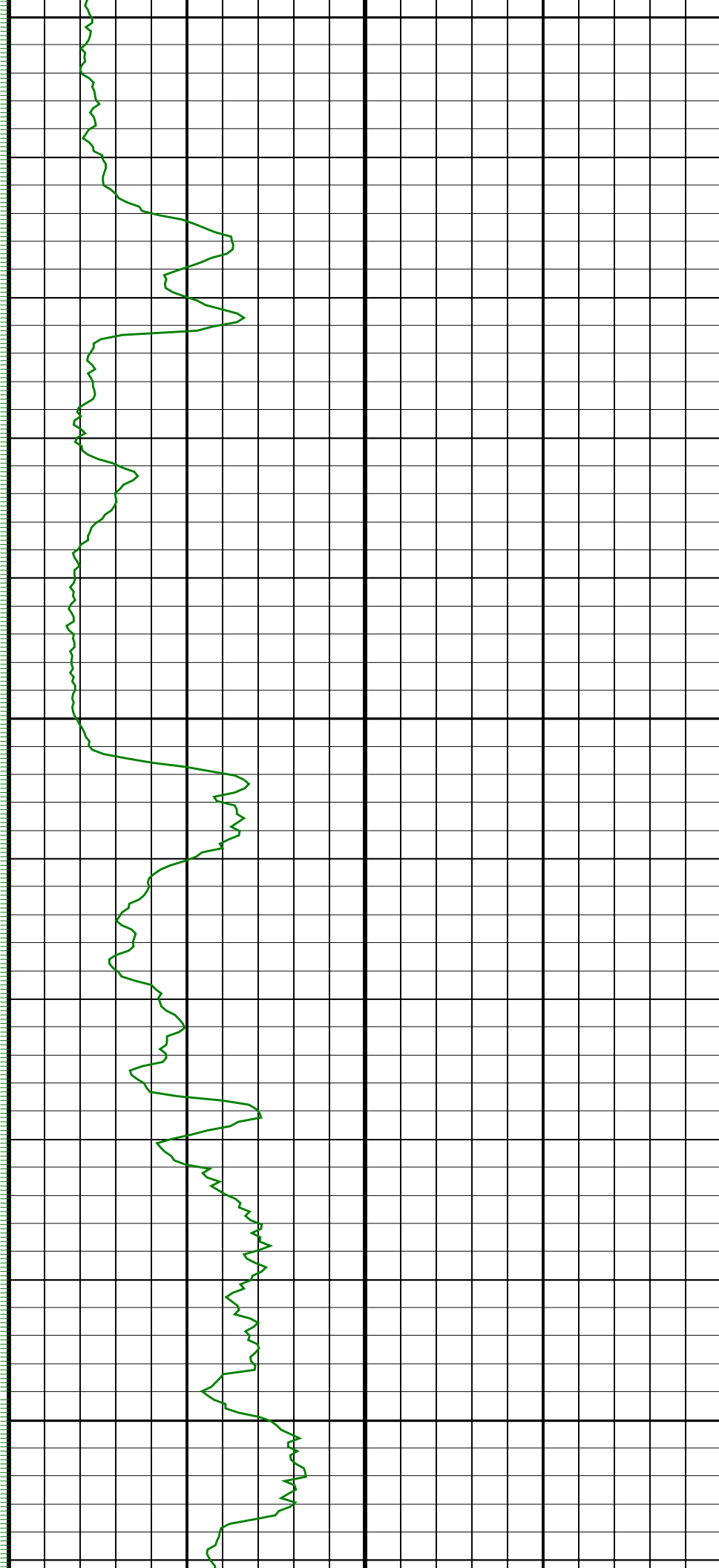


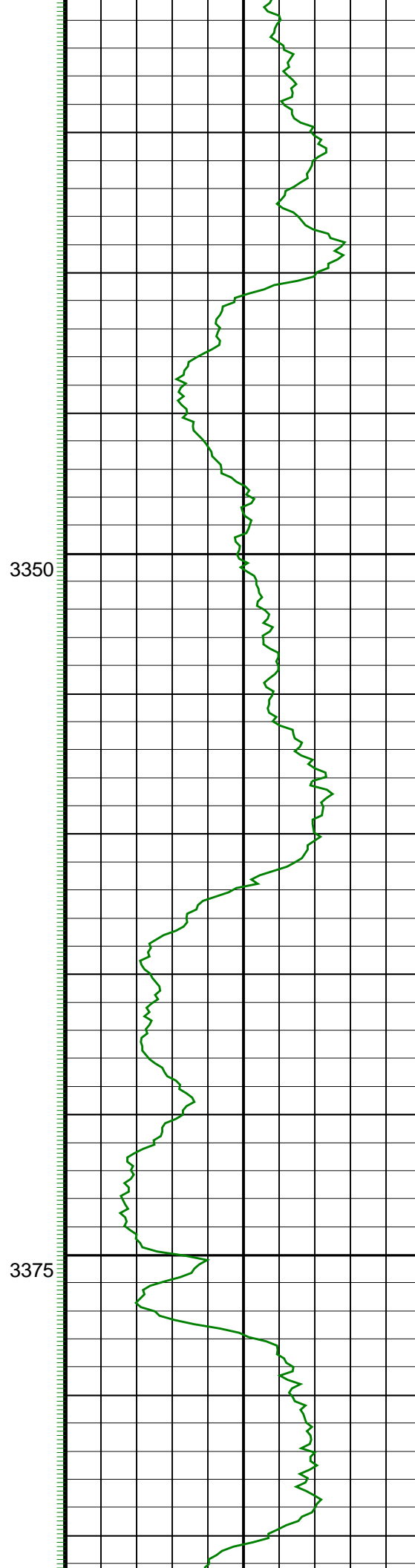
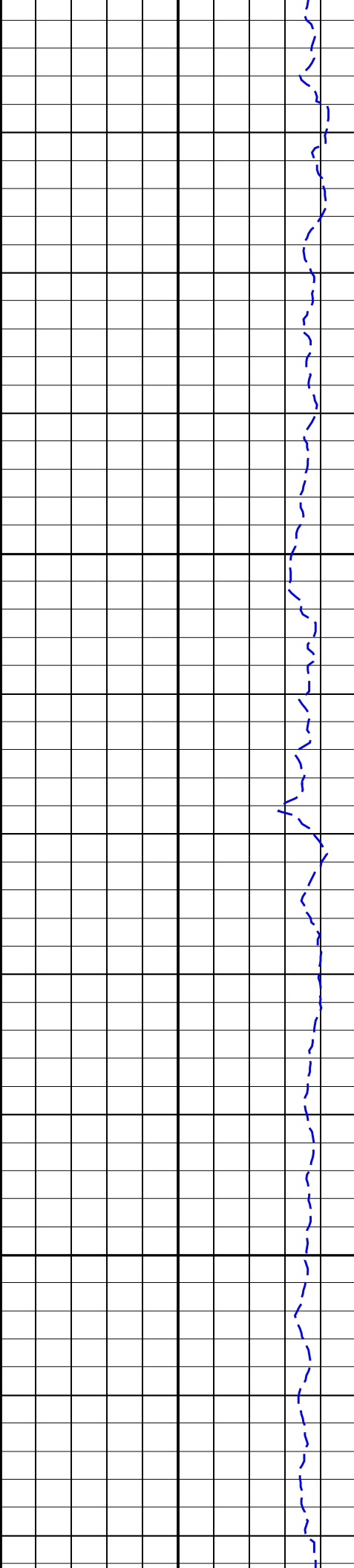


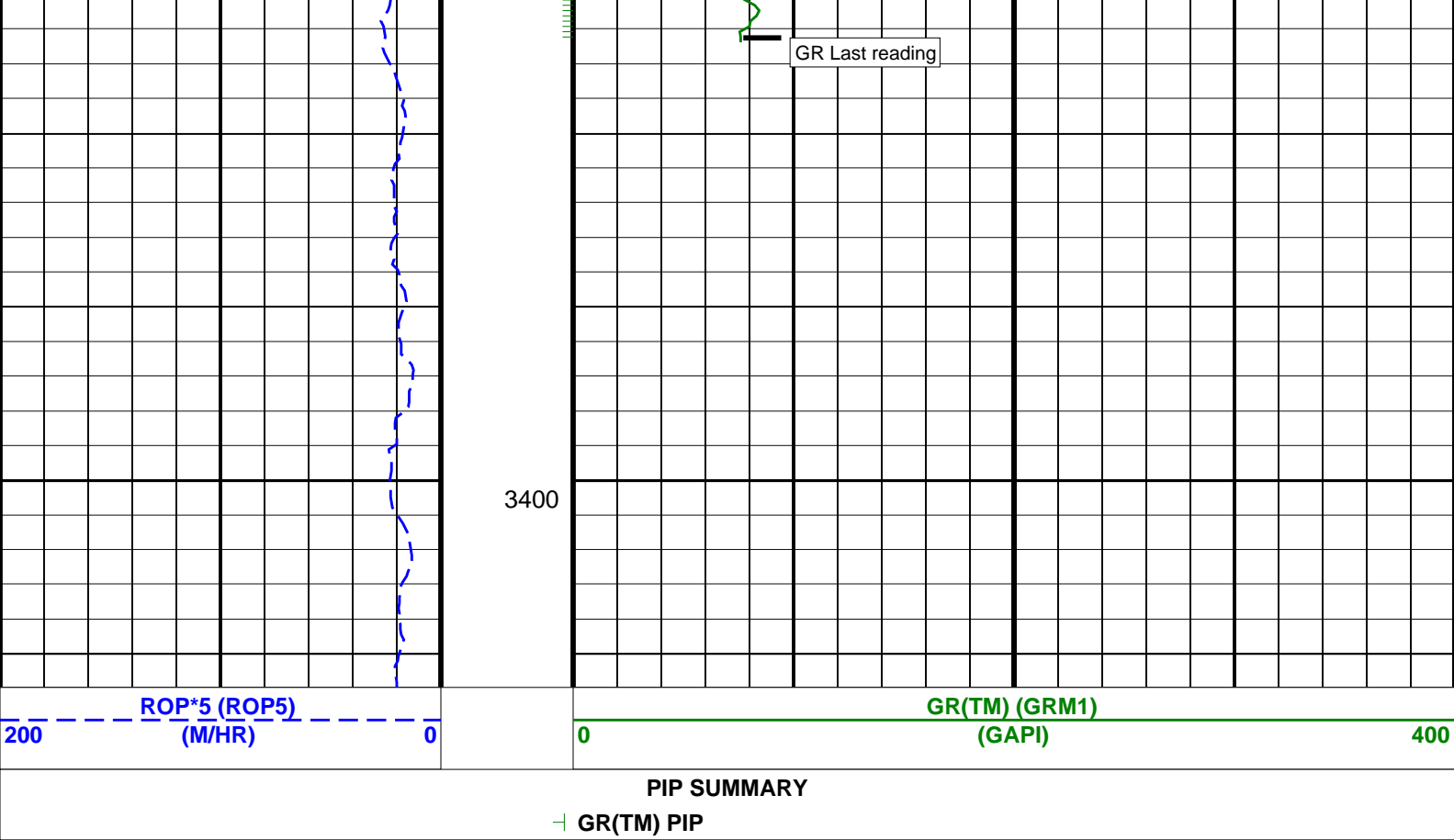
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3300

3325







Company:	ESSO Australia Pty. Ltd.	Schlumberger
Well:	TNA A31A	
Field:	Tuna	
Rig:	ISDL 453	
State:	Victoria	
Gamma Ray Service 1:200 Measured Depth Real Time Log		

