

Rig:	ISDL 453
Field:	Turrum
Location:	Bass Strait
Well:	MLA-A10A
Company:	ESSO Australia Pty. Ltd.

Gamma Ray Service 1:500 Measured Depth Real Time Log

Total depth:	3248.0 m	K.B. Top Drive
Spud date:	03-Aug-04	G.L. -59.00 m
Runs:	1 To 5	D.F. 27.91 m
		Elevation

API serial no.	Y = 5767920.06m N X = 606868.95m E	Longitude E148°13'15.712"	Latitude S38°13'49.320"
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Depth logged:	643.0 m	To	3228.4 m	Mag decl:	13.14 deg.	Other services:
Date logged:	09-Aug-04	To	23-Aug-04	Mag dip:	-68.73 deg.	Directional Drilling, D&I

Bore hole record			Casing record			
Hole size	from	to	Size	Density	from	to
17-1/2 in.	Surface	642.0 m	13-3/8 in.	54.5 lb/ft	Surface	642.0 m
Type	Mud record		Borehole deviation record			
	from	to	Min	Max	from	to
KCl/HPA/Glycol	643.0 m	3248.0 m	35.6 deg.	44.2 deg.	645.0 m	1276.9 m
			43.1 deg.	45.5 deg.	1276.9 m	1909.8 m
			28.9 deg.	44.2 deg.	1909.8 m	2540.7 m
			8.9 deg.	28.9 deg.	2540.7 m	3248.0 m

Surface equipment	Software record
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Unit	OLU-FB-924	IDEAL W/Is	ID8_1C_01	
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Depth system	DES-AB-980	SPM	HSPM_1C_07	
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	LWD		
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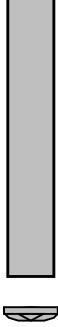


	MWD	V7.0C00	
















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SERVICES FOR RUN1	OTHER SERVICES FOR RUN2	OTHER SERVICES FOR RUN3
Directional Drilling Directional Surveys	Directional Drilling Directional Surveys	Directional Drilling Directional Surveys
REMARKS: RUN NUMBER 1 8-1/2 in. hole was drilled from 644.0m to 1459.0m MD Depth is referenced to Driller's Depth Gamma Ray corrected for Tool Size, Bit Size and Mud Weight Mud type KCl/PHPA/Glycol POOH to check BHA connections	REMARKS: RUN NUMBER 2 8-1/2 in. hole was drilled from 754.0m to 763.0m MD Depth is referenced to Driller's Depth Gamma Ray corrected for Tool Size, Bit Size and Mud Weight Mud type KCl/PHPA/Glycol POOH to set cement plug	REMARKS: RUN NUMBER 3 8-1/2 in. hole was drilled from 643.0m to 1459.0m MD Depth is referenced to Driller's Depth Gamma Ray corrected for Tool Size, Bit Size and Mud Weight Mud type KCl/PHPA/Glycol Data gap between 685-687m due to rig drill line not spooling correctly requiring draw-works calibration POOH for bit change

EQUIPMENT DESCRIPTION		
RUN1	RUN2	RUN3
<div>DOWNHOLE E</div> <div> <div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>24.6</div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>D&I</div> <div>GR</div> <div>— 20.2</div> <div>— 19.6</div> </div> <div> <div></div> <div></div> </div> </div>	<div>DOWNHOLE E</div> <div> <div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>24.6</div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>D&I</div> <div>GR</div> <div>— 20.2</div> <div>— 19.6</div> </div> <div> <div></div> <div></div> </div> </div>	<div>DOWNHOLE E</div> <div> <div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>24.6</div> <div>6-3/4 in. Pow</div> <div>MDC: 40</div> <div>MEC: 10</div> <div>MDI: 1</div> <div>MGR: 14</div> <div>DHS: 7.1</div> </div> <div> <div>D&I</div> <div>GR</div> <div>— 20.2</div> <div>— 19.6</div> </div> <div> <div></div> <div></div> </div> </div>
<div>6-1/2 in. N</div> <div>S/N: L7</div> <div> <div></div> <div></div> </div>	<div>6-1/2 in. N</div> <div>S/N: L7</div> <div> <div></div> <div></div> </div>	<div>6-1/2 in. N</div> <div>SN#L7</div> <div> <div></div> <div></div> </div>
<div>6-9/16 in. NM R</div> <div>S/N: GU2</div> <div> <div></div> <div></div> </div>	<div>6-9/16 in. NM R</div> <div>S/N: GU2</div> <div> <div></div> <div></div> </div>	<div>6-9/19 in. NM R</div> <div>SN#GU2:</div> <div>8-3/8 in. Stab</div> <div> <div></div> <div></div> </div>
<div>6-1/2 in. N</div> <div>S/N: ANA9</div> <div> <div></div> <div></div> </div>	<div>6-1/2 in. N</div> <div>S/N: ANA9</div> <div> <div></div> <div></div> </div>	<div>6-1/2 in. PMDC</div> <div>SN#ANA9</div> <div> <div></div> <div></div> </div>
<div>6-11/16 in. F</div> <div>S/N: CMF</div> <div> <div></div> <div></div> </div>	<div>6-11/16 in. F</div> <div>S/N: CMF</div> <div> <div></div> <div></div> </div>	<div>6-11/16 in. F</div> <div>SN#CMP</div> <div> <div></div> <div></div> </div>
<div>7 in. PowerPa</div> <div>A700G1</div> <div>S/N: N7</div> <div>1.41 deg. Bent</div> <div>8-3/8 in. Mot</div> <div> <div></div> <div></div> </div>	<div>7 in. PowerPa</div> <div>A700G1</div> <div>S/N: N7</div> <div>1.41 deg. Bent</div> <div>8-3/8 in. Mot</div> <div> <div></div> <div></div> </div>	<div>7 in. PowerPa</div> <div>A700GT</div> <div>SN#N7:</div> <div>1.41 dep. Bent</div> <div>8-3/8 in. Mot</div> <div> <div></div> <div></div> </div>

 <p>REED Hycalo OD: 8-1 RSX163 S/N</p> <p>Maximum string dia All lengths in</p>	 <p>REED Hycalo OD: 8-1 RSX163 S/N</p> <p>Maximum string dia All lengths in</p>	 <p>GeoDiamond OD 8-1 SN#207</p> <p>Maximum string dia All lengths in</p>
<p>DISCLAIMER</p> <p>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.</p>		
<p>OTHER SERVICES FOR RUN4</p> <p>Directional Drilling Directional Surveys</p>	<p>OTHER SERVICES FOR RUN5</p> <p>Directional Drilling Directional Surveys</p>	<p>OTHER SERVICES FOR RUN</p>
<p>REMARKS: RUN NUMBER 4</p> <p>8-1/2 in. hole was drilled from 1459.0m to 1839.0m MD</p> <p>Depth is referenced to Driller's Depth</p> <p>Gamma Ray corrected for Tool Size, Bit Size and Mud Weight</p> <p>Mud type is KCI/PHPA/Glycol</p> <p>POOH for bit change</p>	<p>REMARKS: RUN NUMBER 5</p> <p>8-1/2 in. hole was drilled from 1839.0m to 3248.0m MD</p> <p>Depth is referenced to Driller's Depth</p> <p>Gamma Ray corrected for Tool Size, Bit Size and Mud Weight</p> <p>Mud type is KCI/PHPA/Glycol</p> <p>POOH due to reaching TD of MLA-A10A</p>	<p>REMARKS: RUN NUMBER</p>
<p>EQUIPMENT DESCRIPTION</p>		
<p>RUN4</p>	<p>RUN5</p>	<p>RUN</p>
<p>DOWNHOLE E</p>	<p>DOWNHOLE E</p>	

6-3/4 in. Pow MDC: 40 MEC: 10 MDI: 1 MGR: 14 DHS: 7.1		24.6 6-3/4 in. Pow MDC: 40 MEC: 10 MDI: 1 MGR: 14 DHS: 7.1		24.6 6-3/4 in. Pow MDC: 40 MEC: 10 MDI: 1 MGR: 14 DHS: 7.1
D&I GR		20.2 19.6	D&I GR	20.2 19.6
6-1/2 in. N S/N: L		16.1 6-1/2 in. N S/N: L		16.1 6-1/2 in. N S/N: L
6-9/16 in. NM R S/N: GU2		14.6 6-9/16 in. NM R S/N: GU2		14.6 6-9/16 in. NM R S/N: GU2
6-1/2 in. N S/N: ANA		12.4 6-1/2 in. N S/N: ANA		12.4 6-1/2 in. N S/N: ANA
6-11/16 in. F S/N: CMF		9.6 6-11/16 in. F S/N: CMF		9.6 6-11/16 in. F S/N: CMF
7 in. PowerPa A700G1 S/N: N7 1.41 deg. Bent 8-3/8 in. Mot		9.2 7 in. PowerPa A700G1 S/N: N7 1.41 deg. Bent 8-3/8 in. Mot		9.2 7 in. PowerPa A700G1 S/N: N7 1.41 deg. Bent 8-3/8 in. Mot
REED Hycalo OD: 8-1 RSX163 S/N		0.2 REED Hycalo OD: 8-1 RSX163 S/N		0.2 REED Hycalo OD: 8-1 RSX163 S/N

Maximum string dia
All lengths in

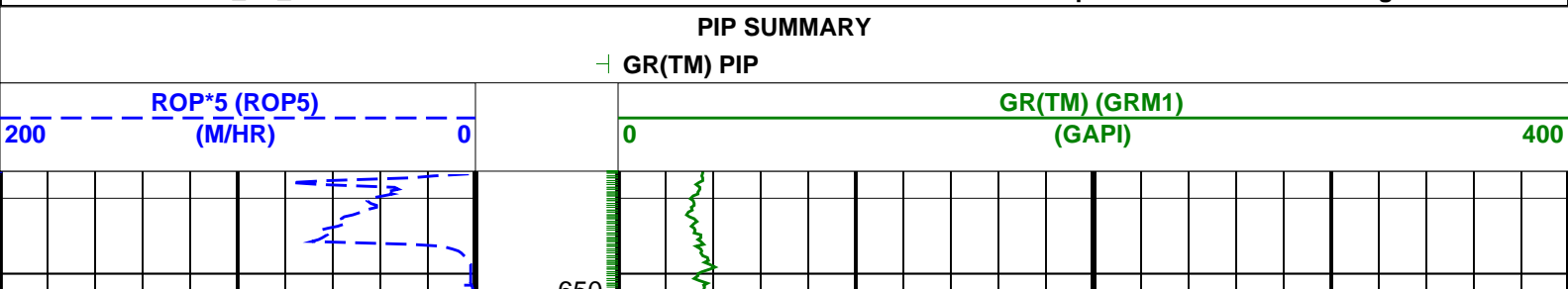
Maximum string dia
All lengths in

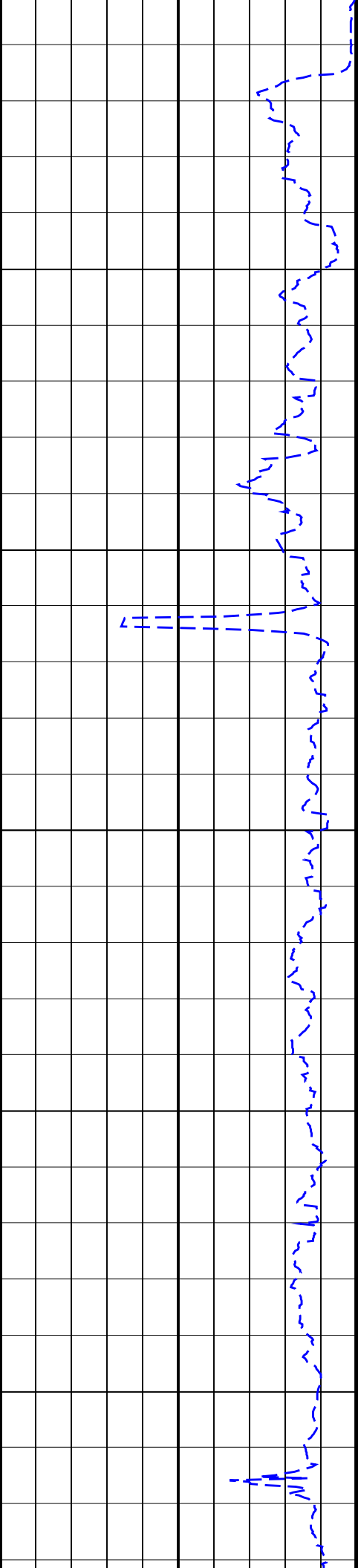
Bit Run Summary

Run number		1	2	3	4	5					
Bit size	in.	8.5	8.5	8.5	8.5	8.5					
Bit start depth	m	644.0	754.0	643.0	1459.0	1839.0					
Bit end depth	m	754.0	763.0	1459.0	1839.0	3248.0					
Top interval logged	m	644.0	734.4	643.0	1439.4	1819.4					
Bottom interval logged	m	734.4	743.4	1439.4	1819.4	3228.4					
Begin log: time		00:00	08:35	07:10	15:23	06:50					
Begin log: date		09-Aug-04	10-Aug-04	11-Aug-04	14-Aug-04	17-Aug-04					
End log: time		18:56	09:00	04:30	18:00	05:10					
End log: date		09-Aug-04	10Aug-04	14-Aug-04	15-Aug-04	23-Aug-04					
Mud data											
Depth	m	754.0	754.0	1410.0	1838.0	3164.0					
Type		KCI/PHPA/Glycol	KCI/PHPA/Glycol	KCI/PHPA/Glycol	KCI/PHPA/Glycol	KCI/PHPA/Glycol					
Mud weight	ppg	9.2	9.2	9.9	10.0	9.7					
Solids	%	3.0	3.0	7.9	8.3	6.6					
Chlorides	mg/L	36,000	36,000	42,000	42,000	43,500					
Rm											
Rmf											
Rmc											
Potassium	%	4.1	4.1	4.2	4.2	4.1					
Environmental data											
GR											
Mud weight	ppg	9.2	9.2	9.9	10.0	9.7					
Bit size	in.	8.5	8.5	8.5	8.5	8.5					
Resistivity											
Neutron porosity											
Hole Size											
Mud weight											
Temperature											
Mud salinity											
Formation salinity											
Recording rate 1	SEC	3.9	3.9	3.9	3.9	3.9					
Recording rate 2	SEC										
Filtering GR		3 pt.	3 pt.	3 pt.	3 pt.	3 pt.					
Filtering density											
Filtering Neutron											
Company representative		R. Bain	B. Davis								
Anadrill personnel		J. Dolan	R. Borjas	C. Soper	D. Hay	L. Johnston					

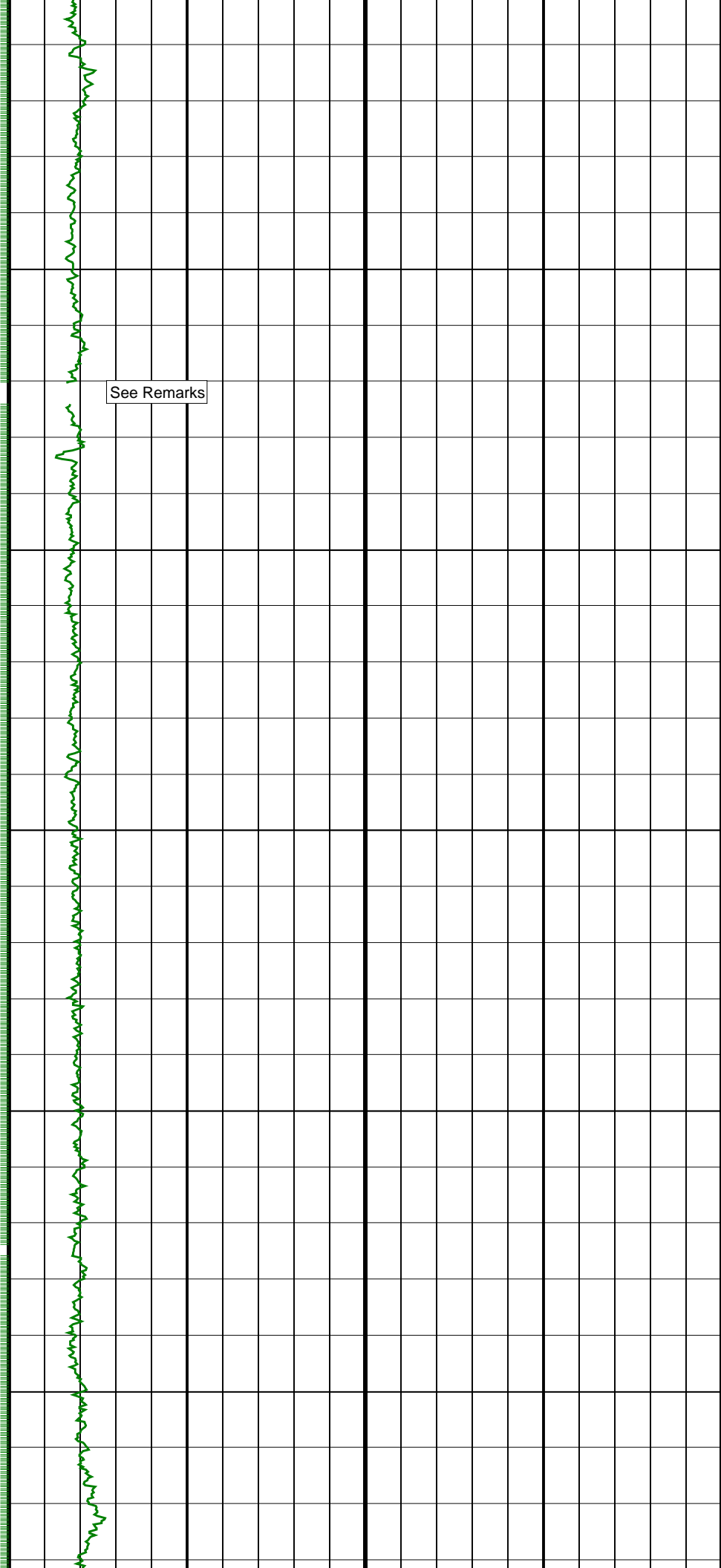
MLA-A10A RT 500MD

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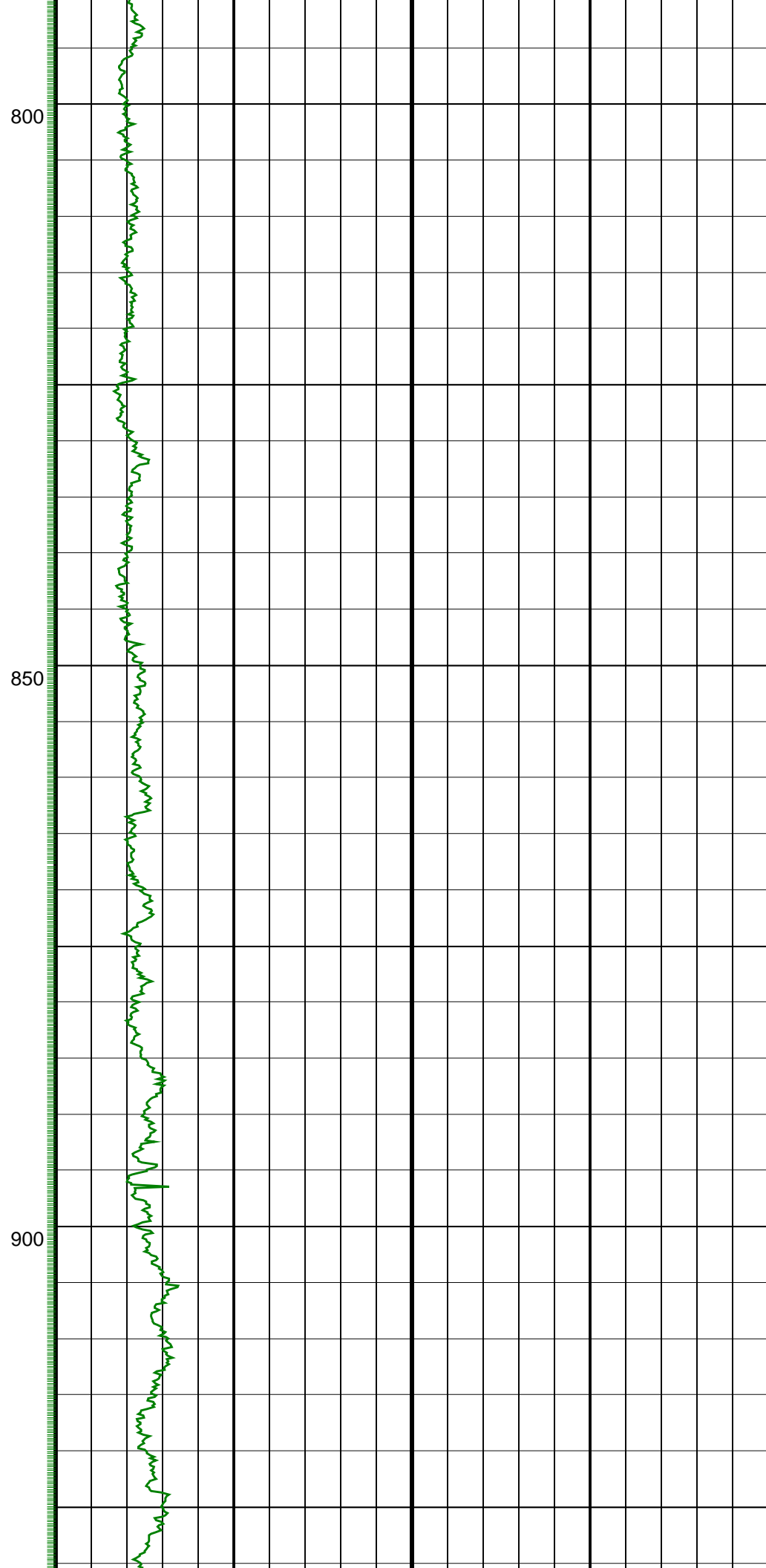
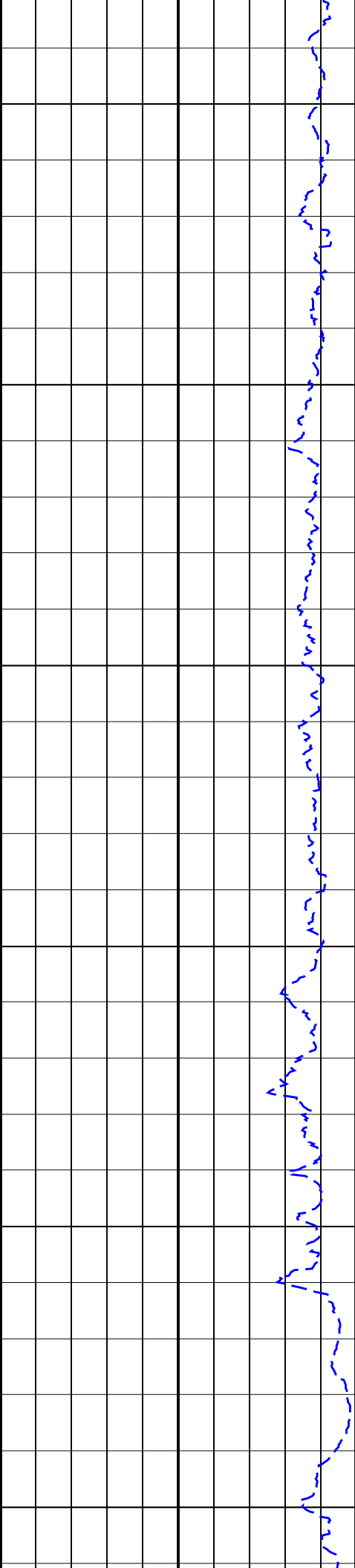


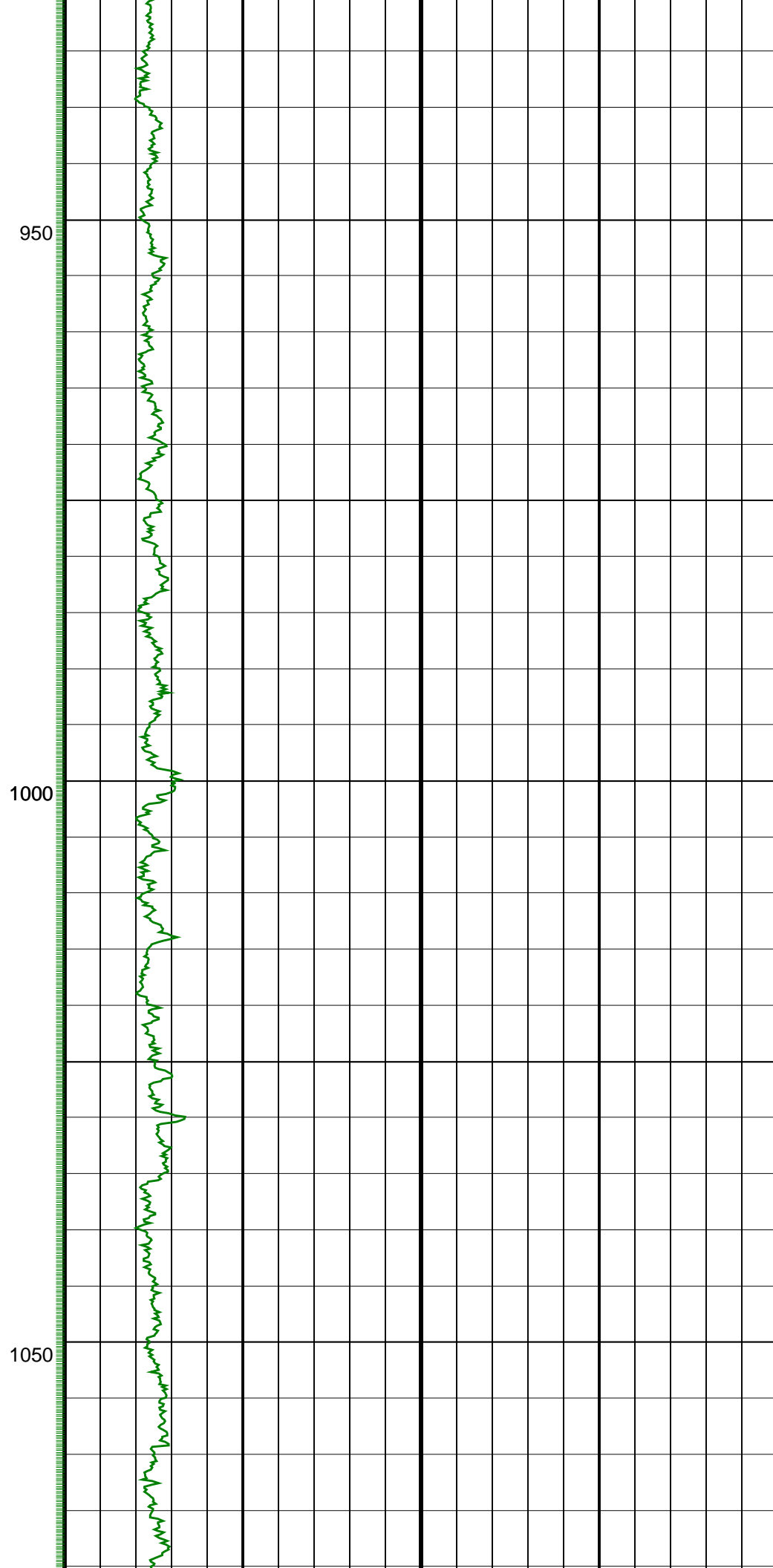
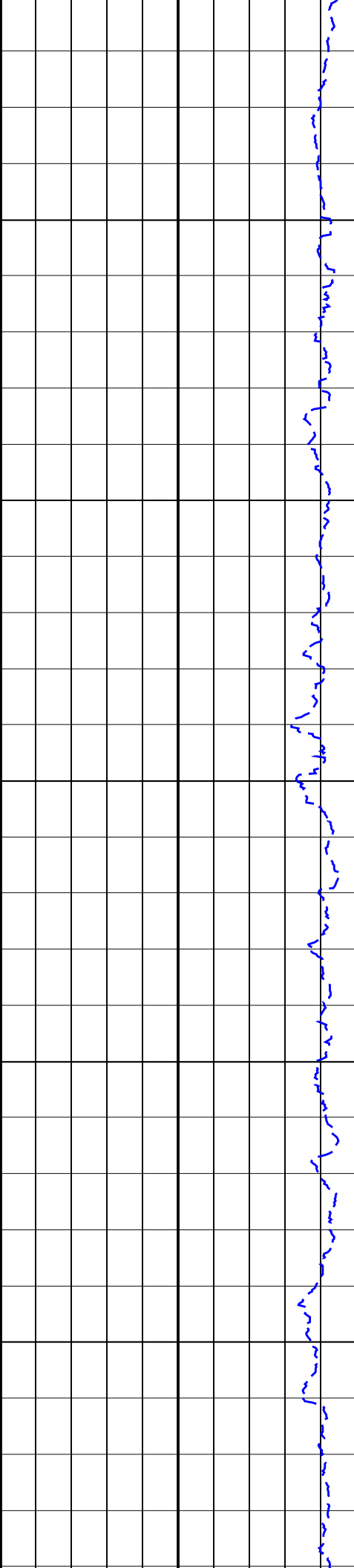


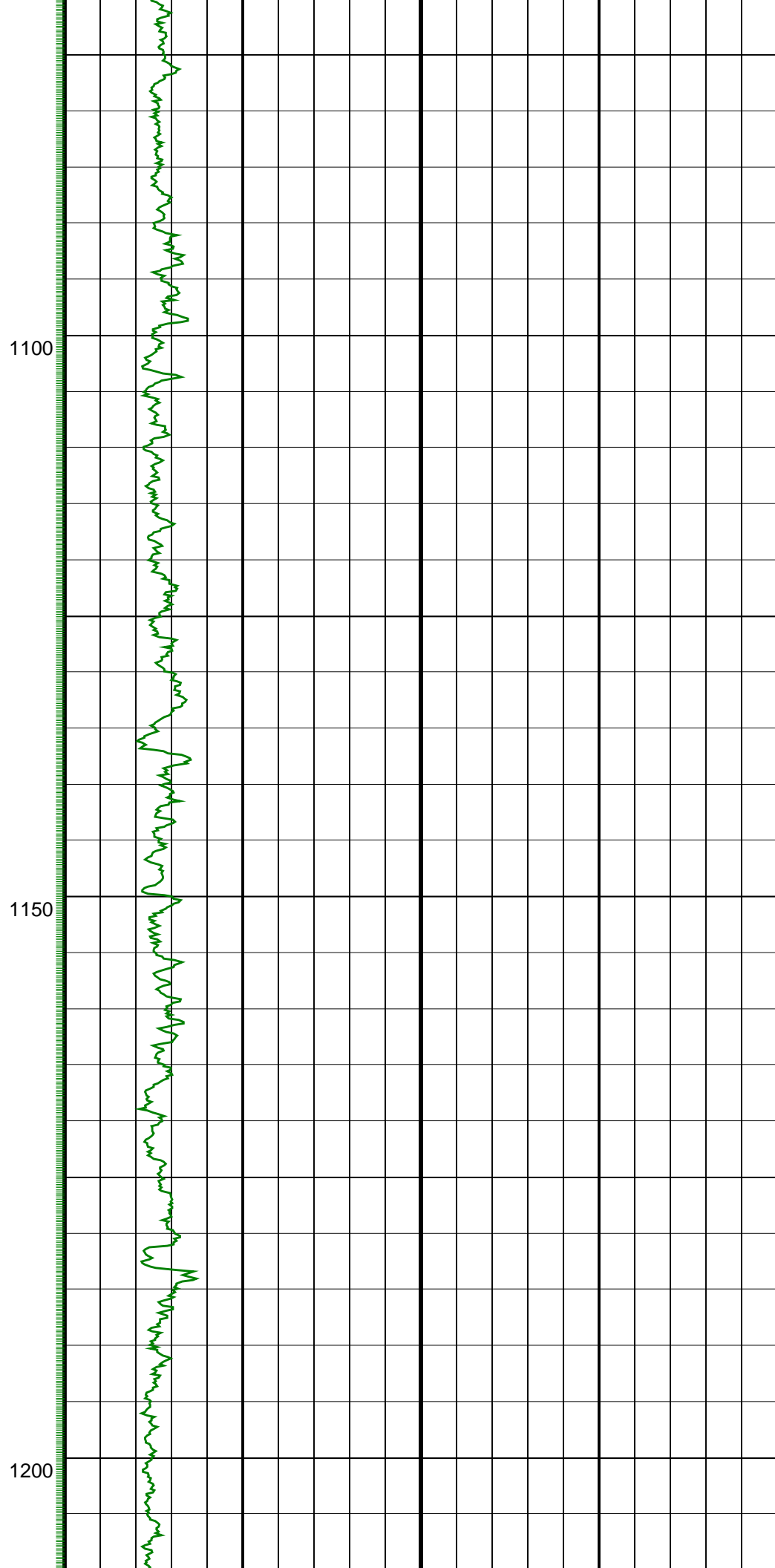
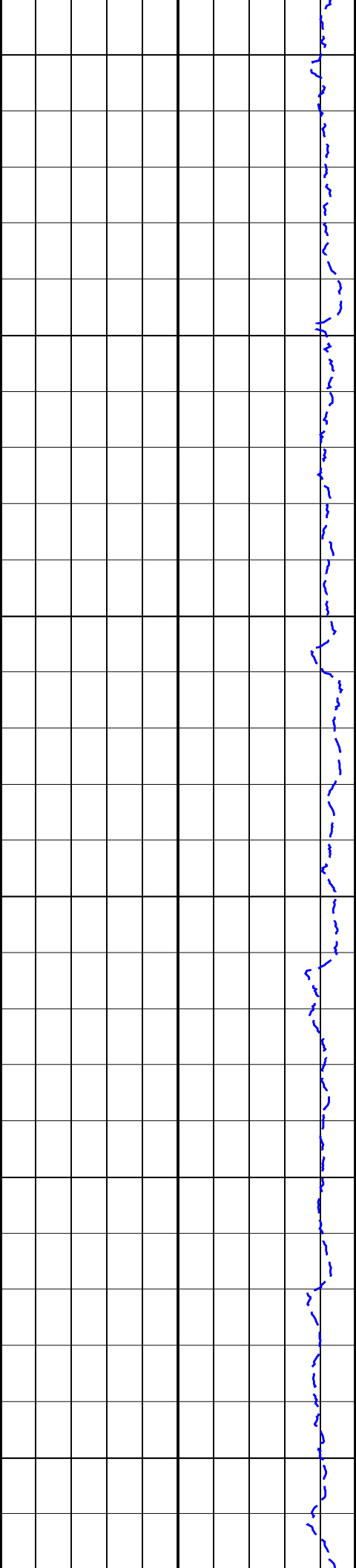
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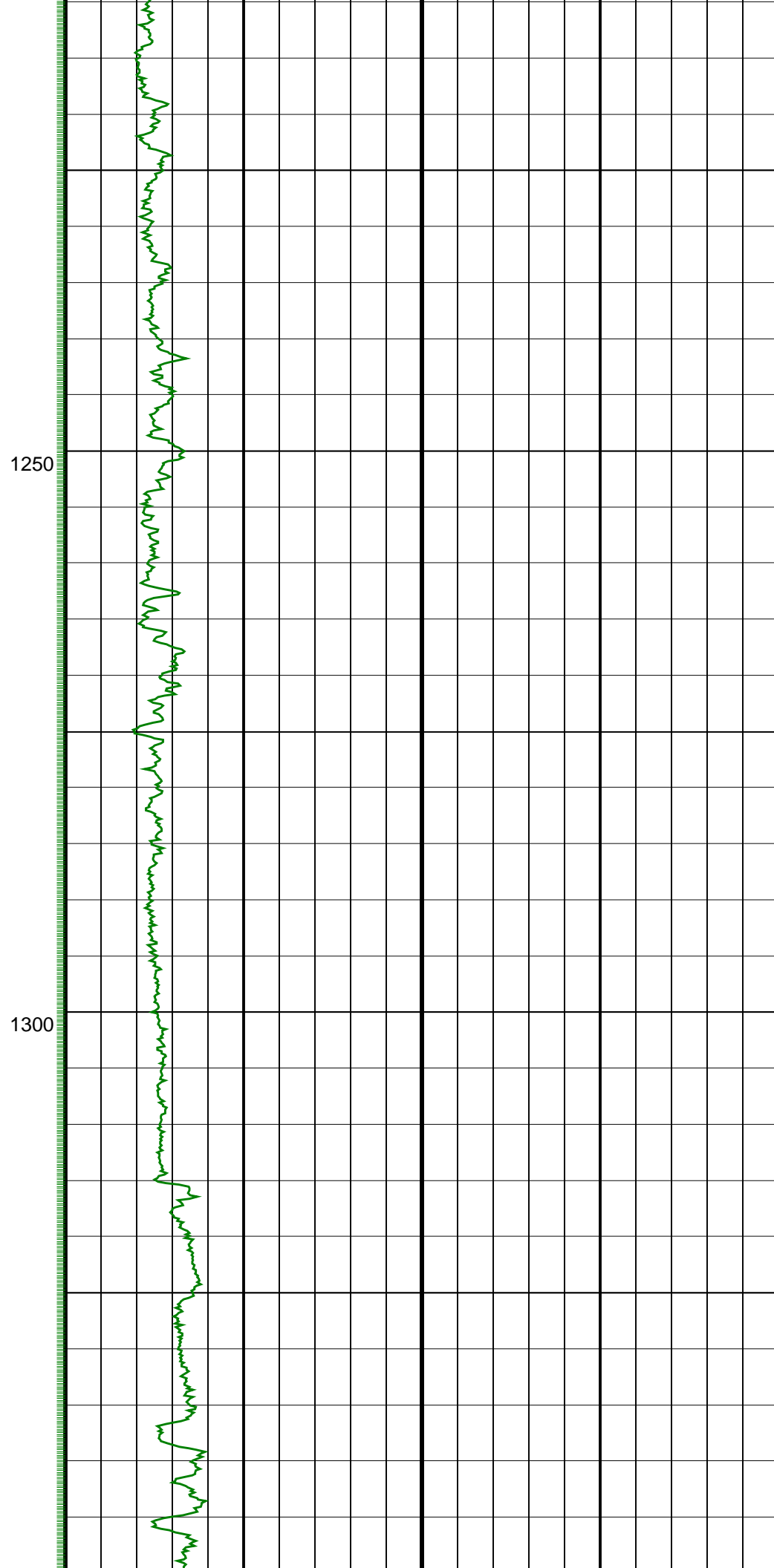
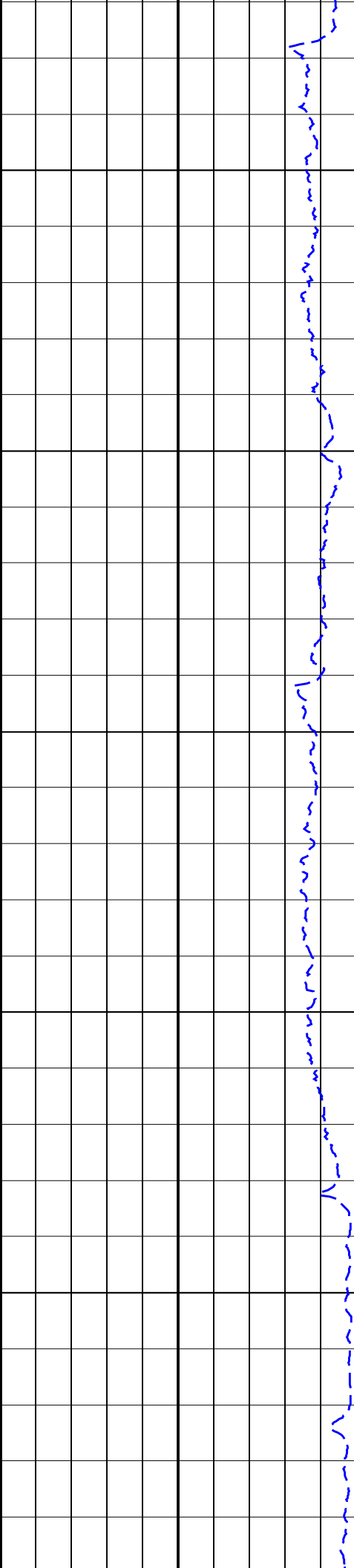


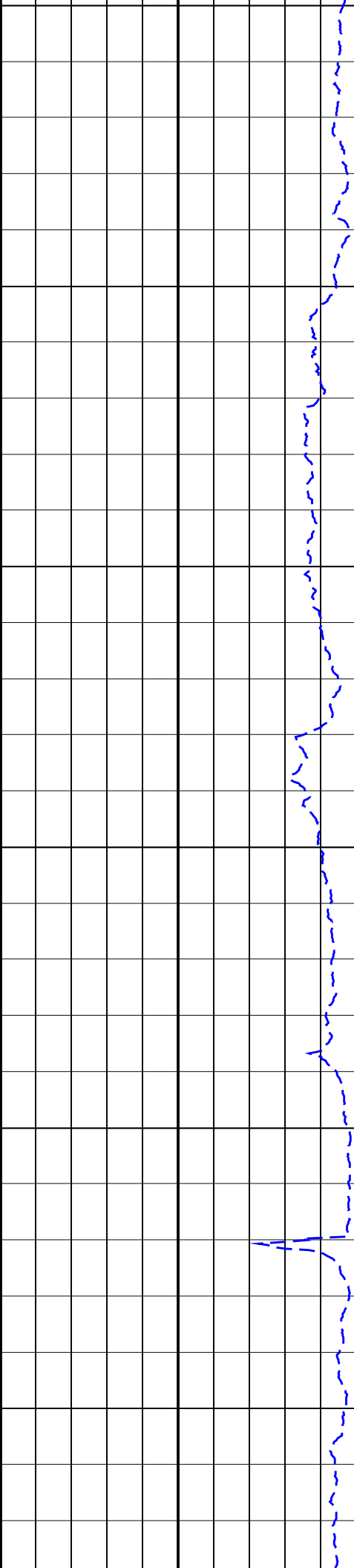
See Remarks







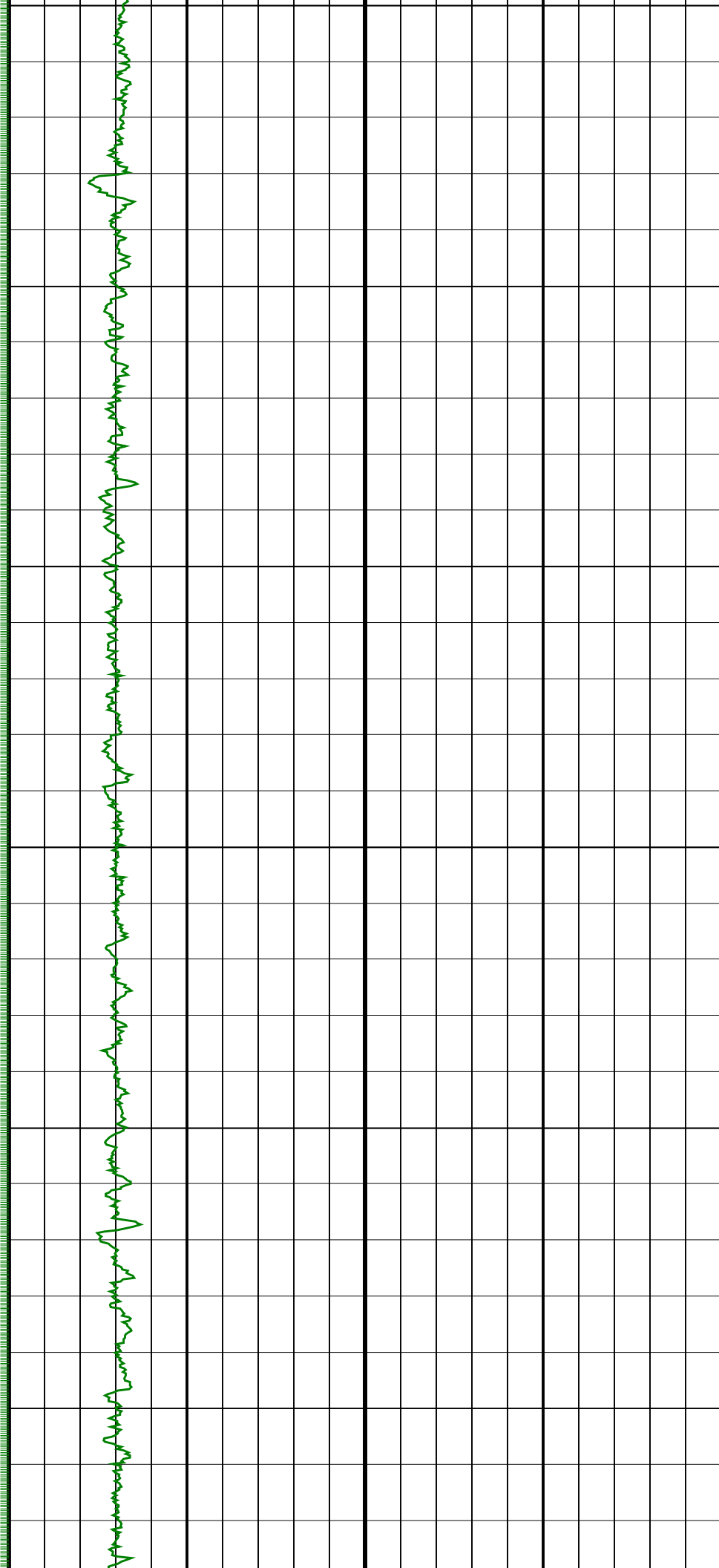


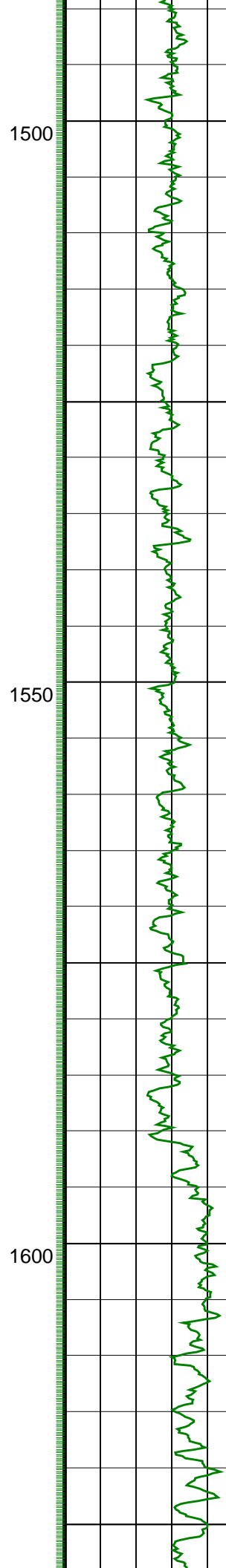
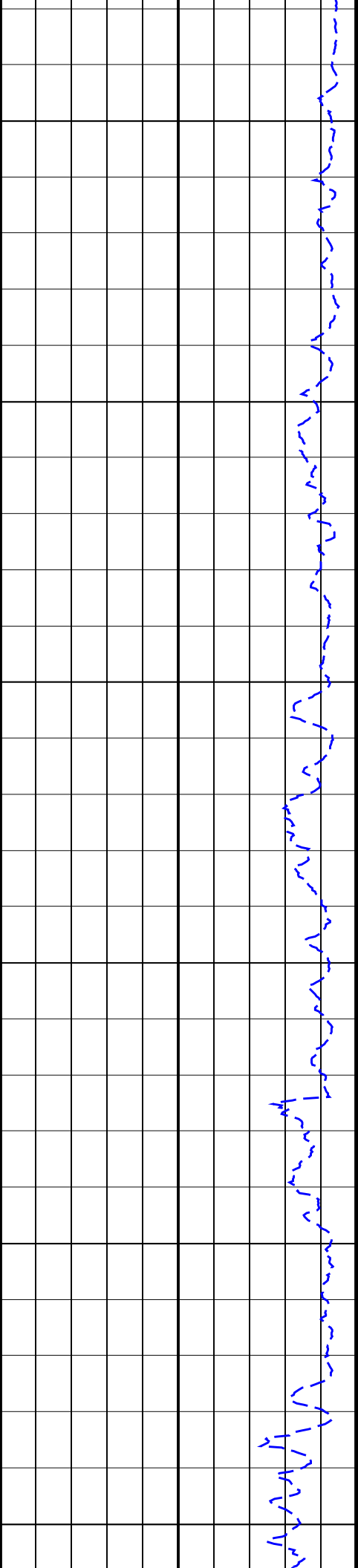


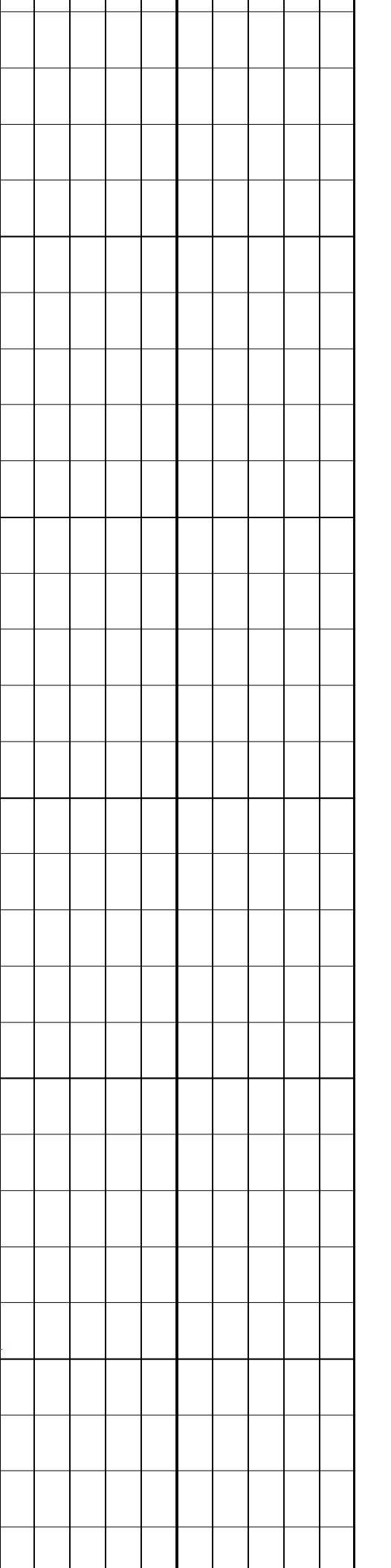
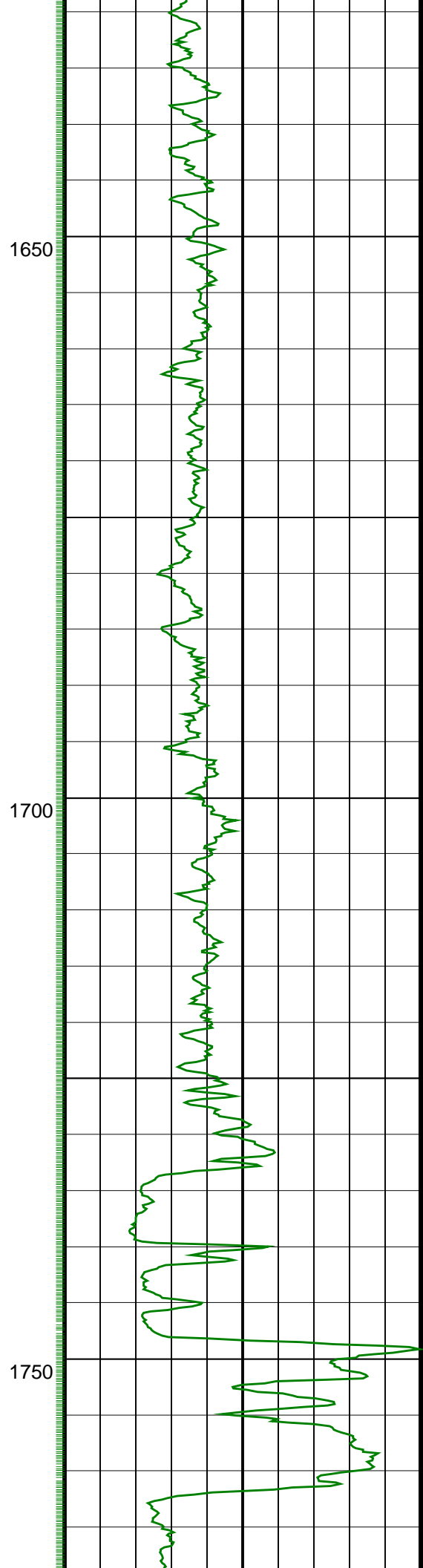
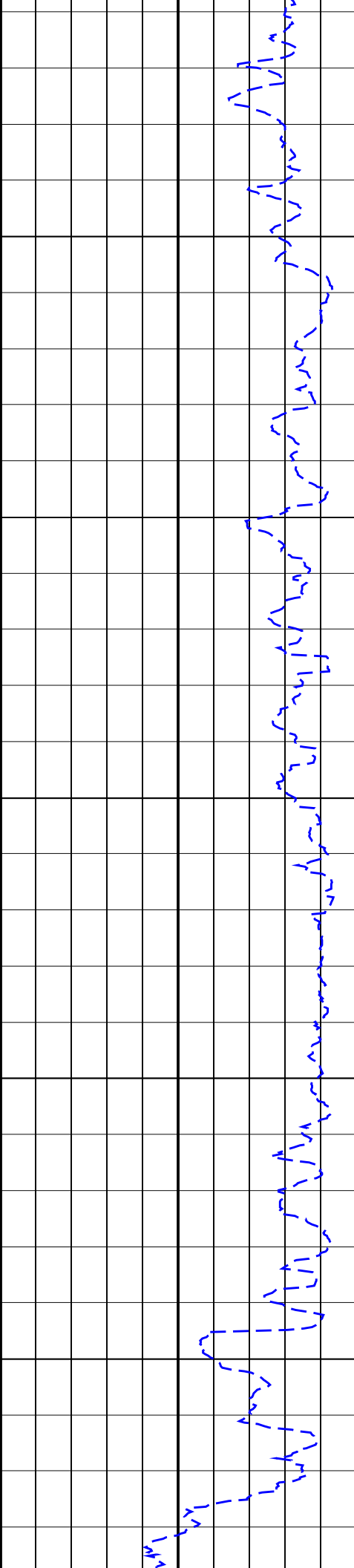
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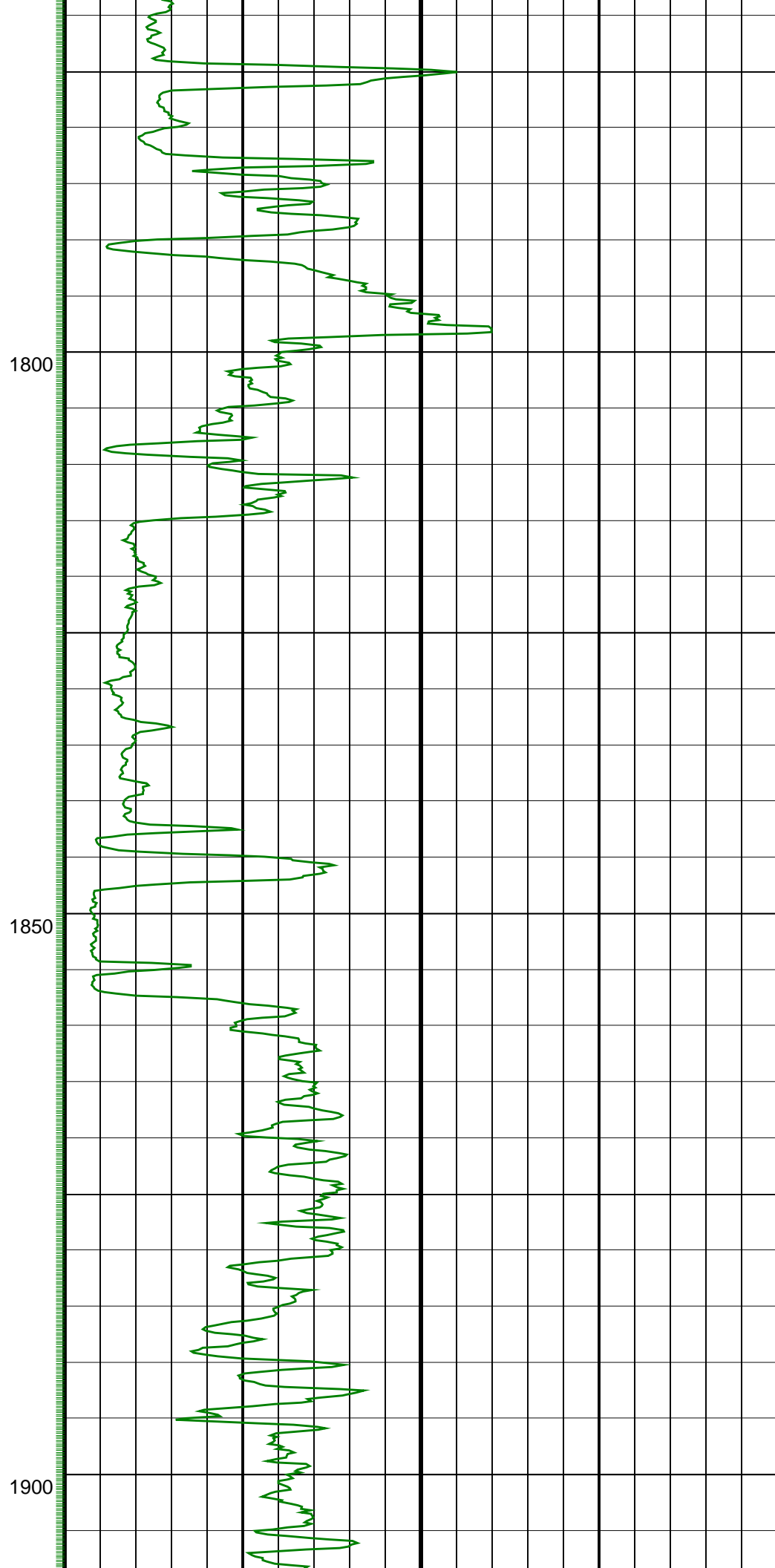
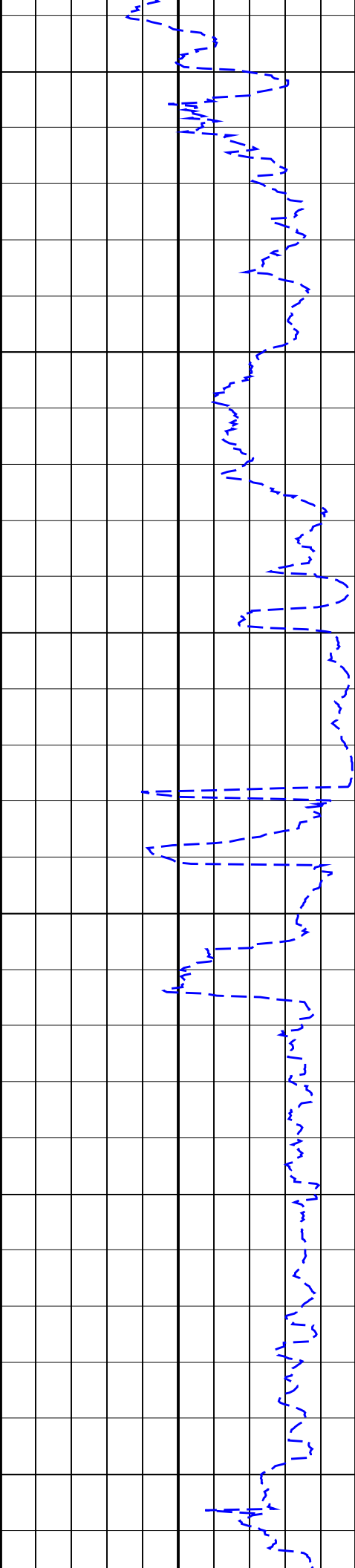
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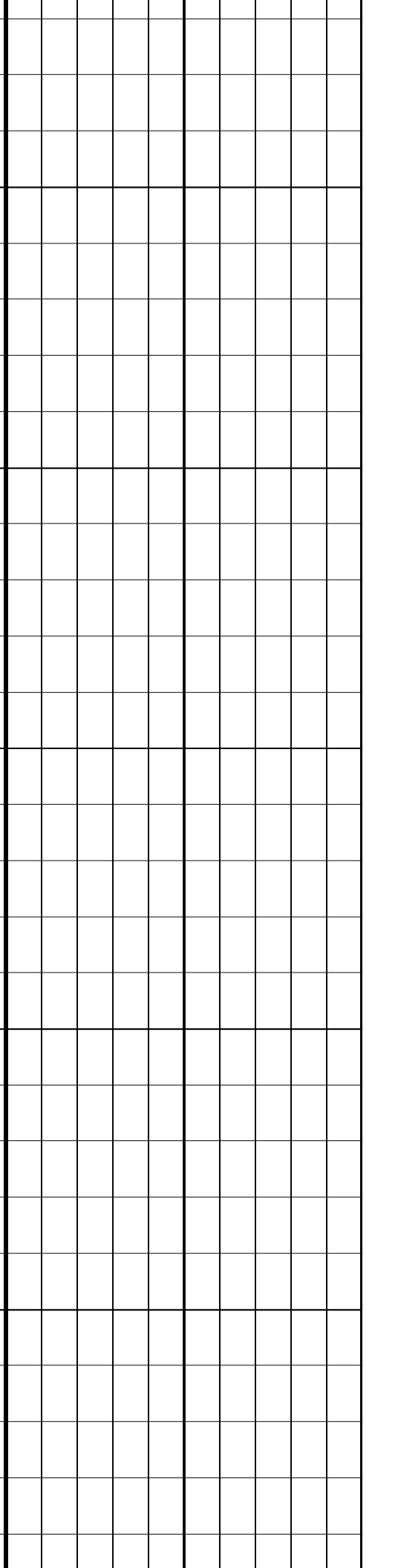
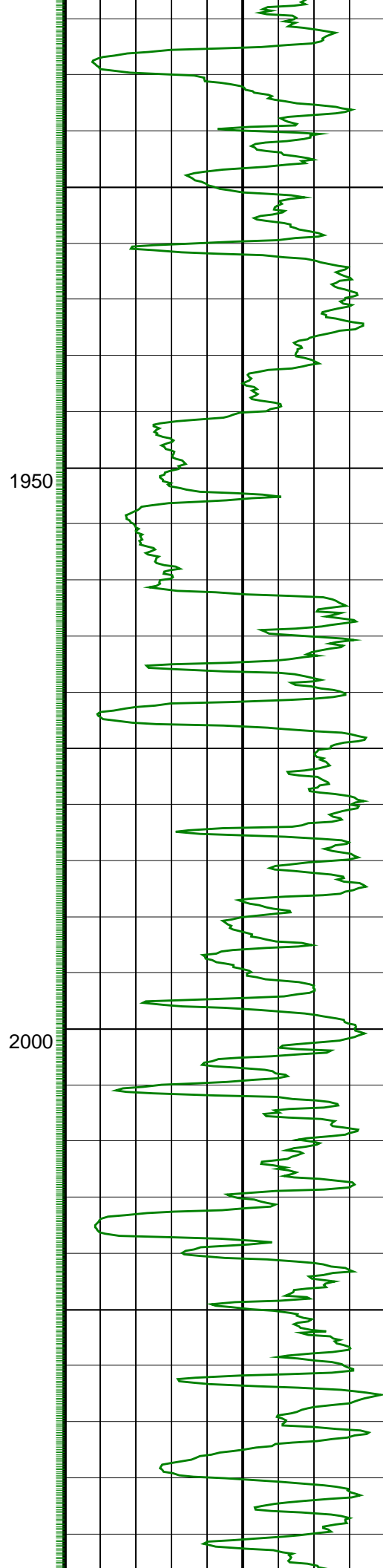
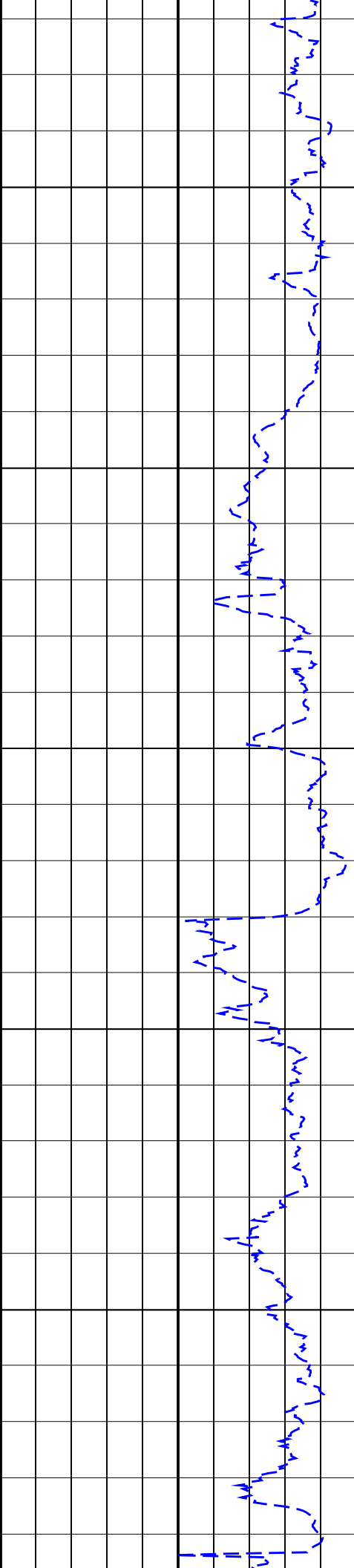
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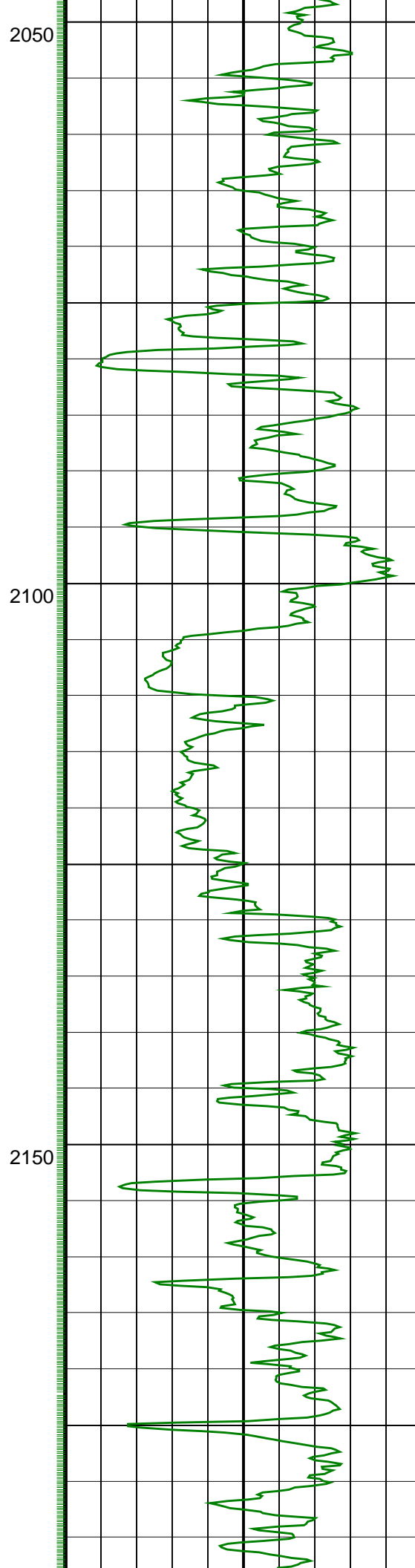
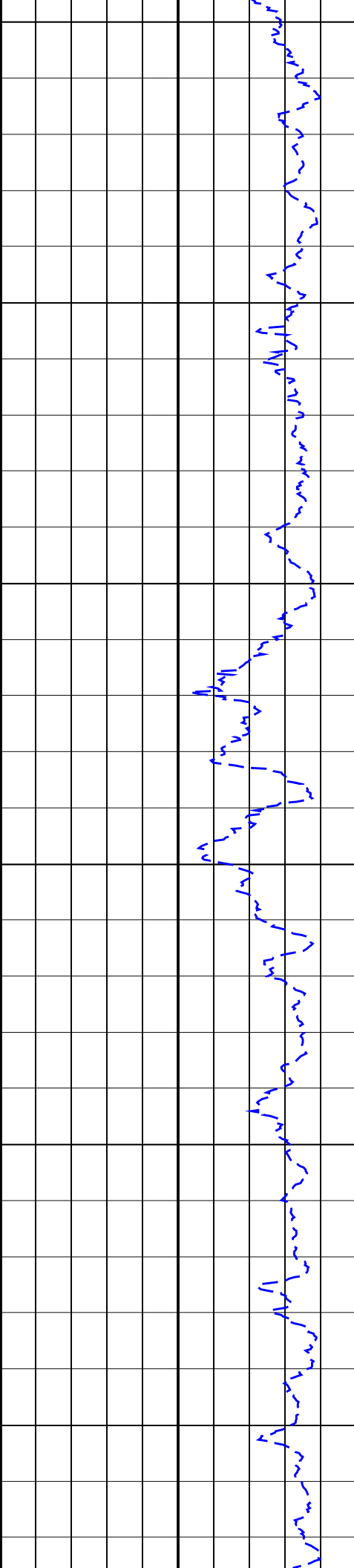


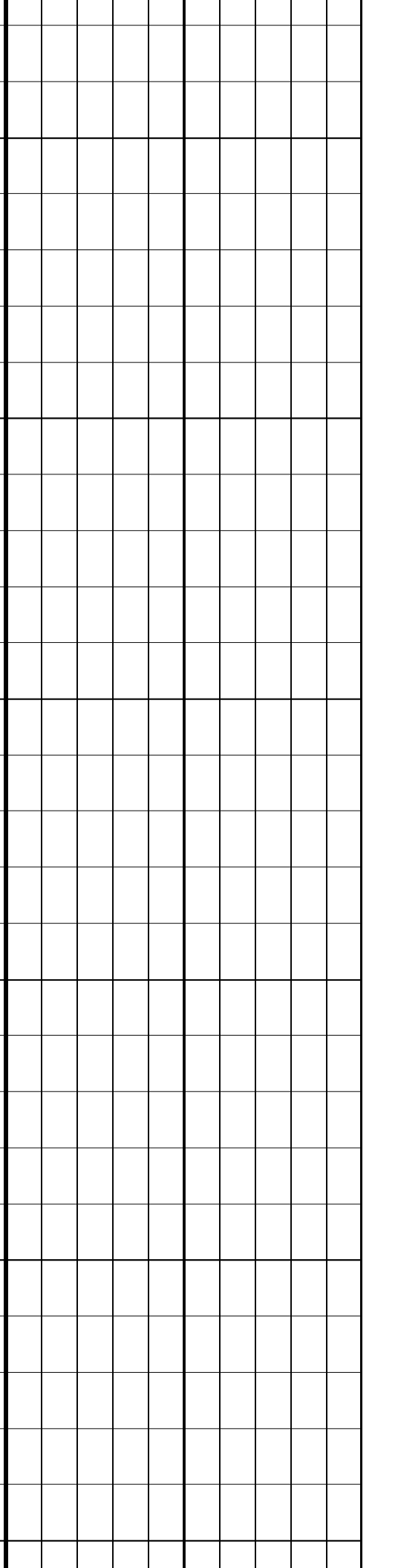
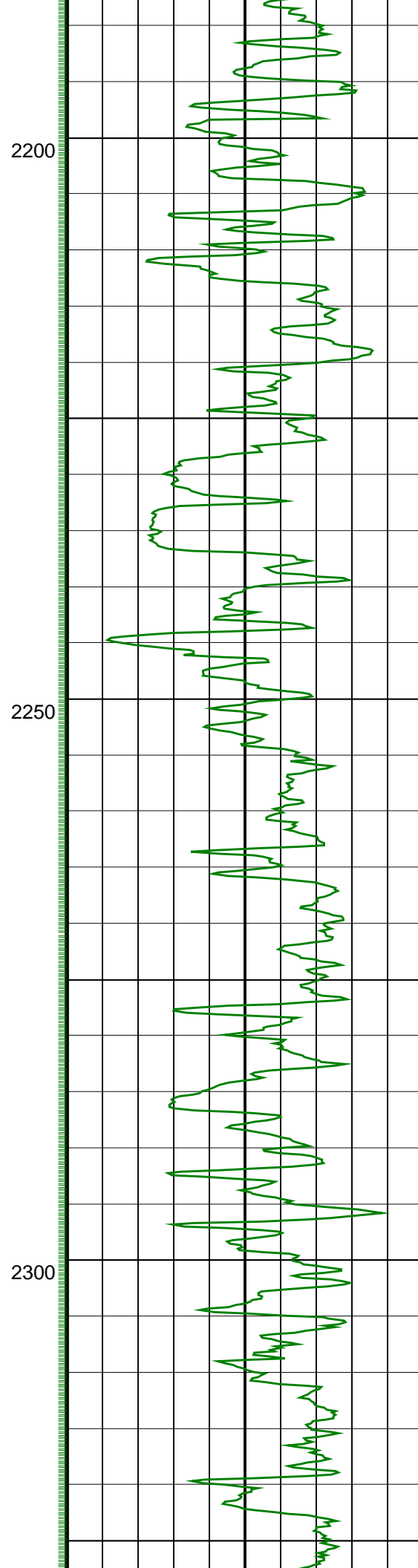
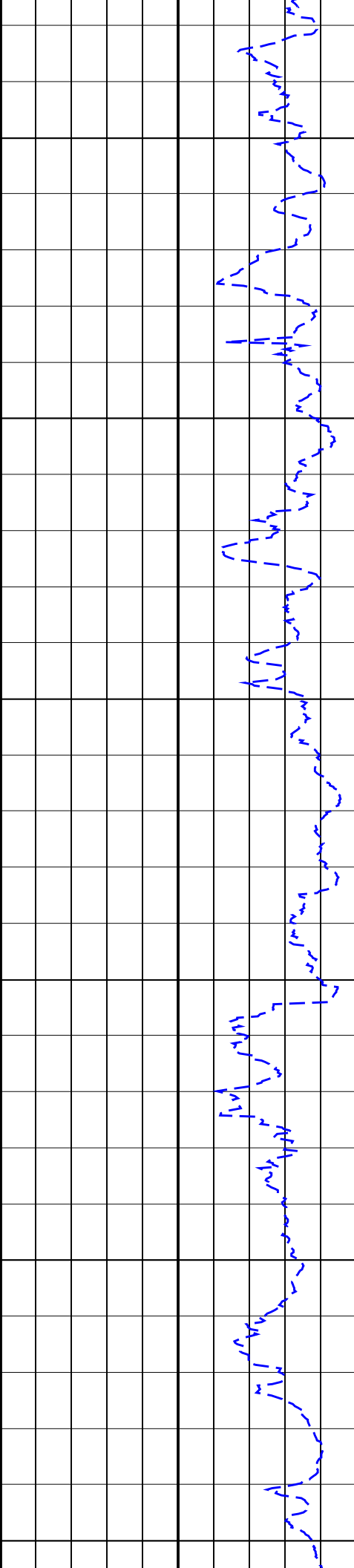


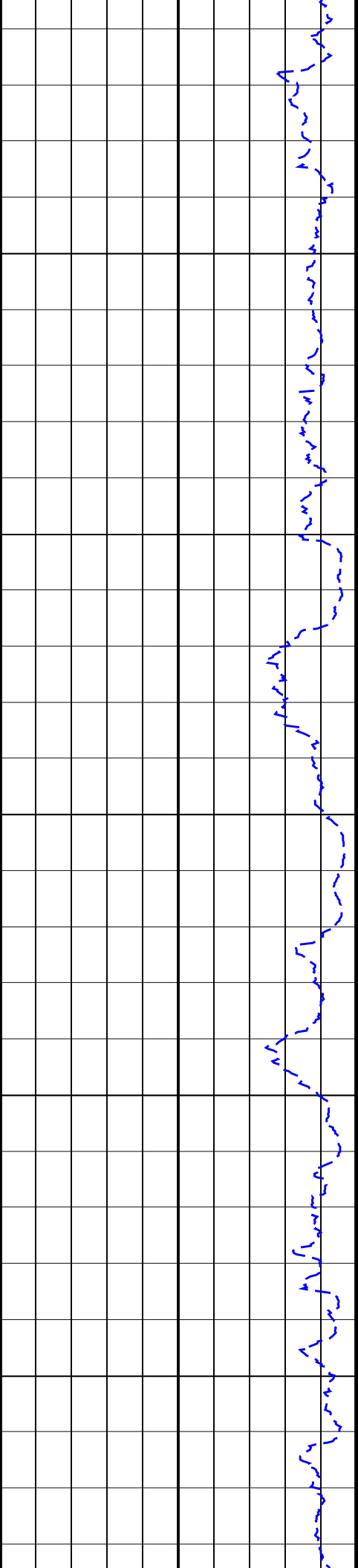








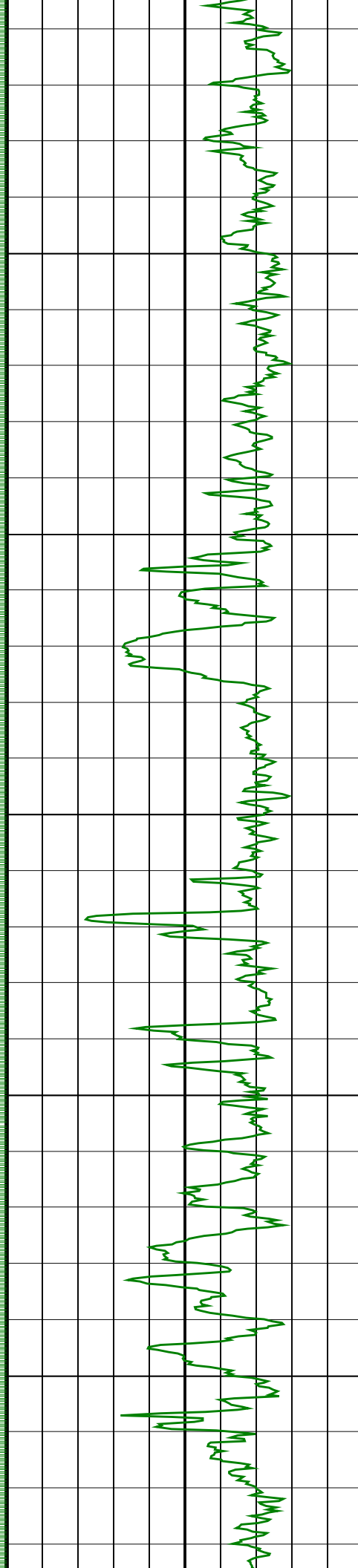


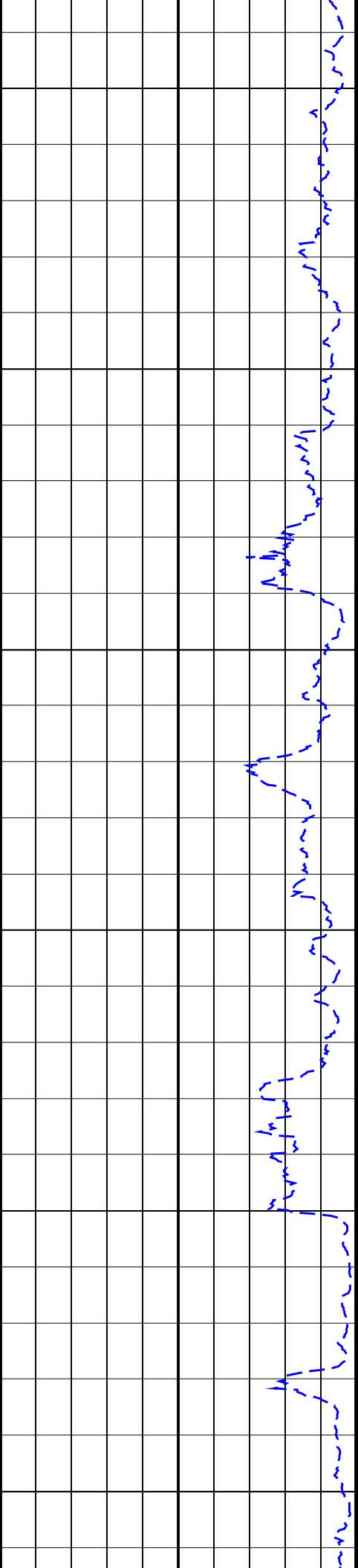


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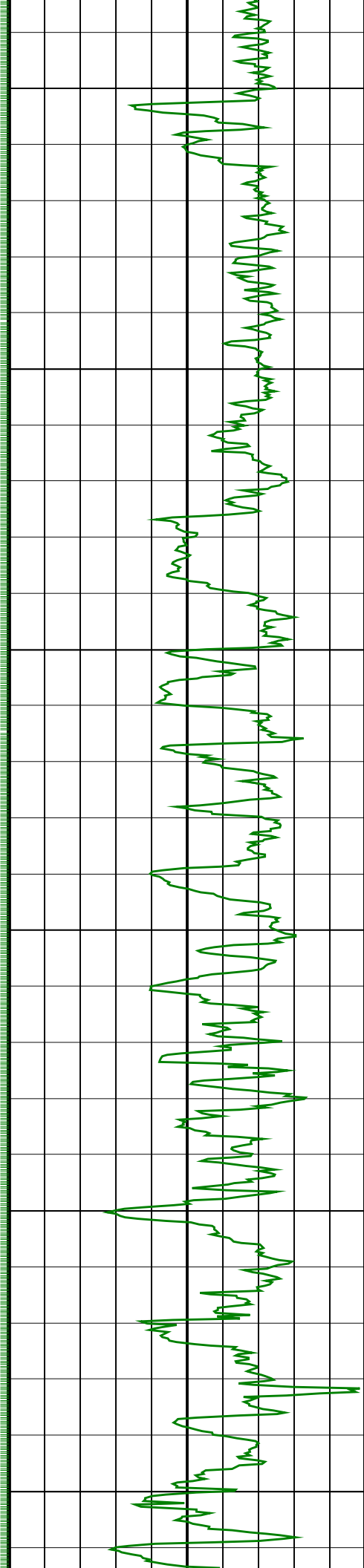


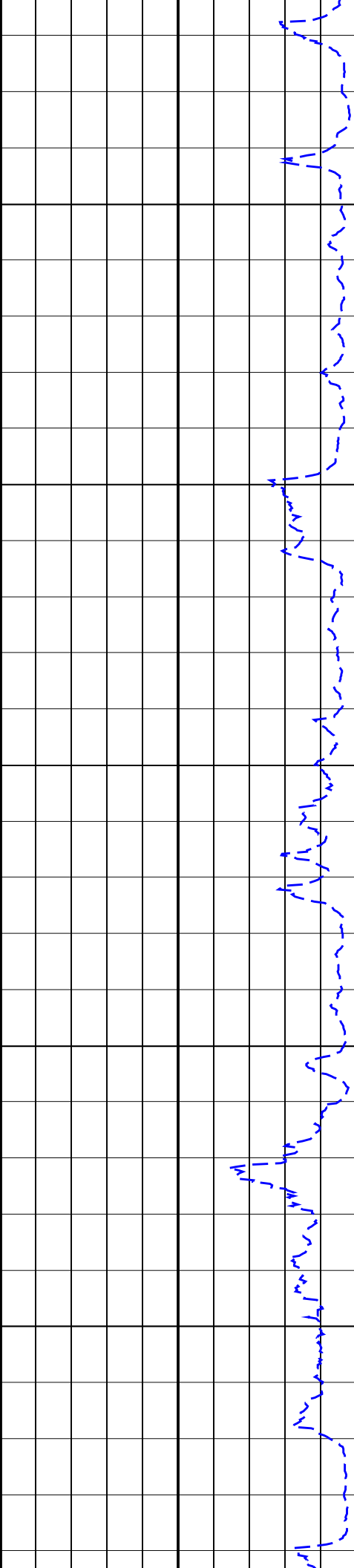


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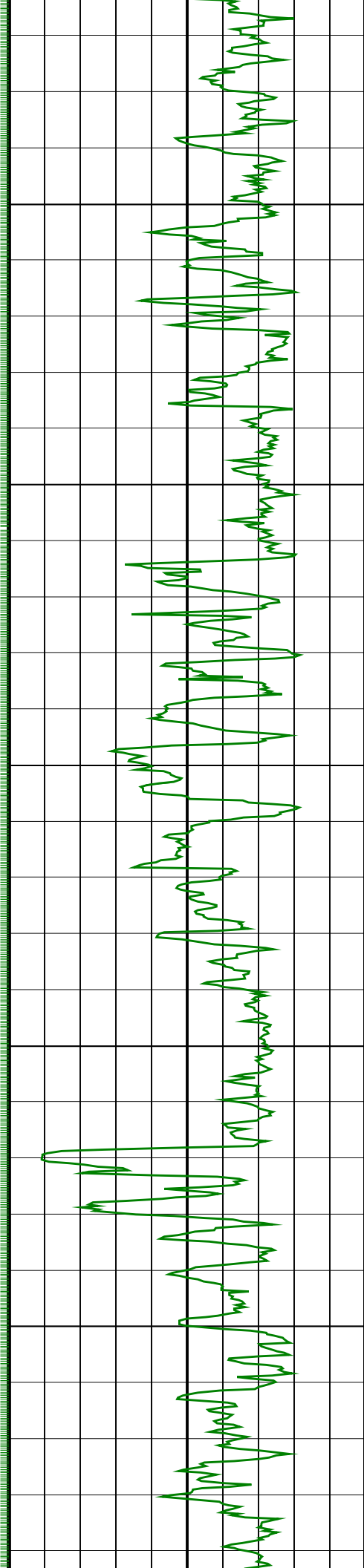
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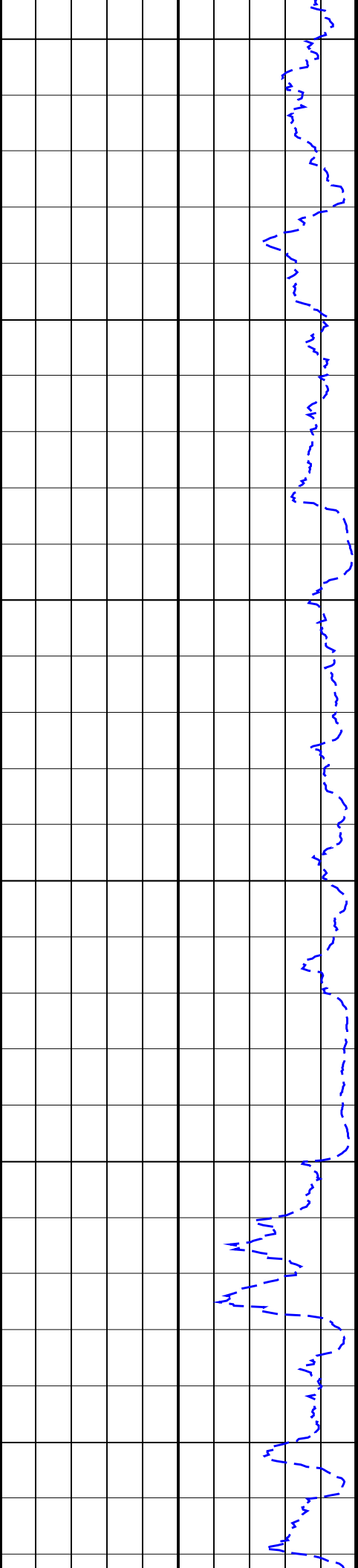




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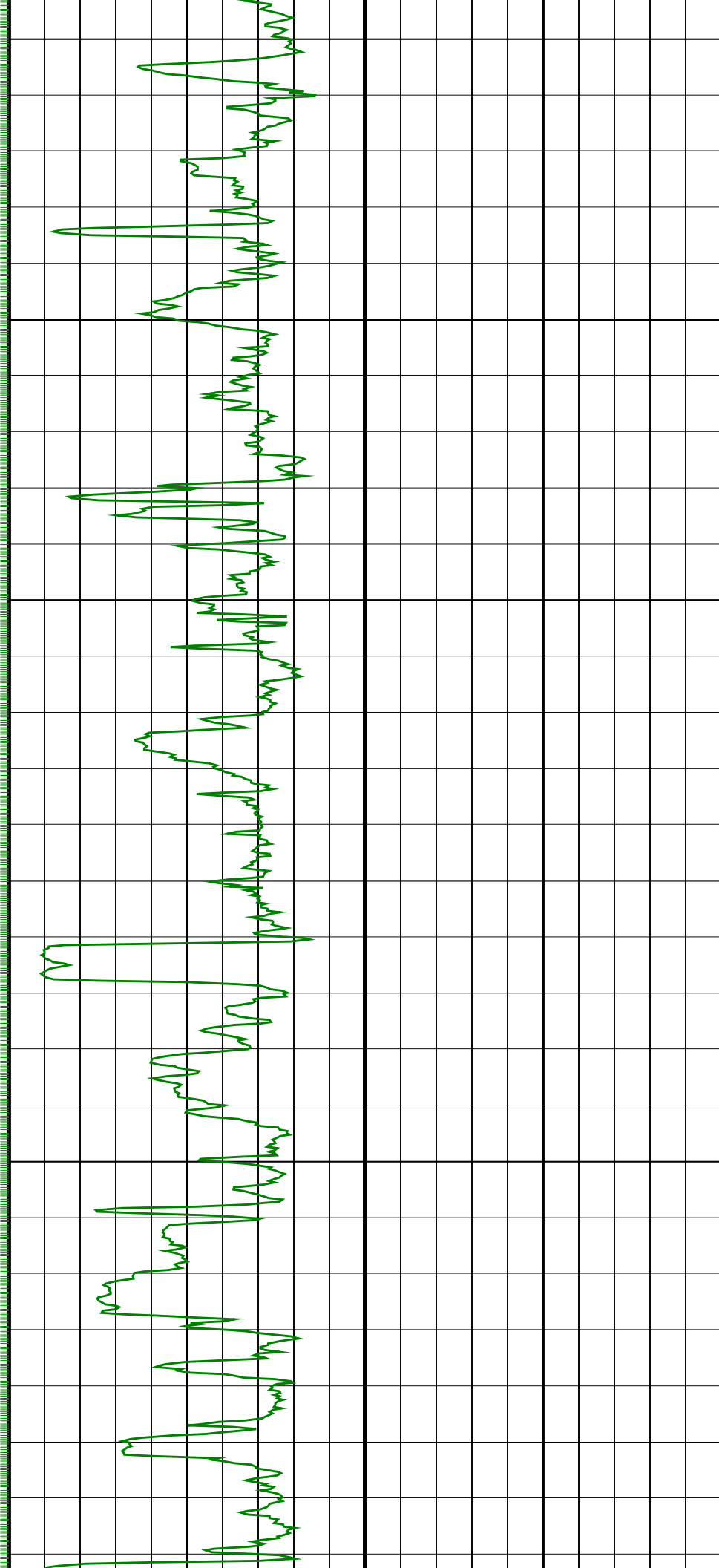


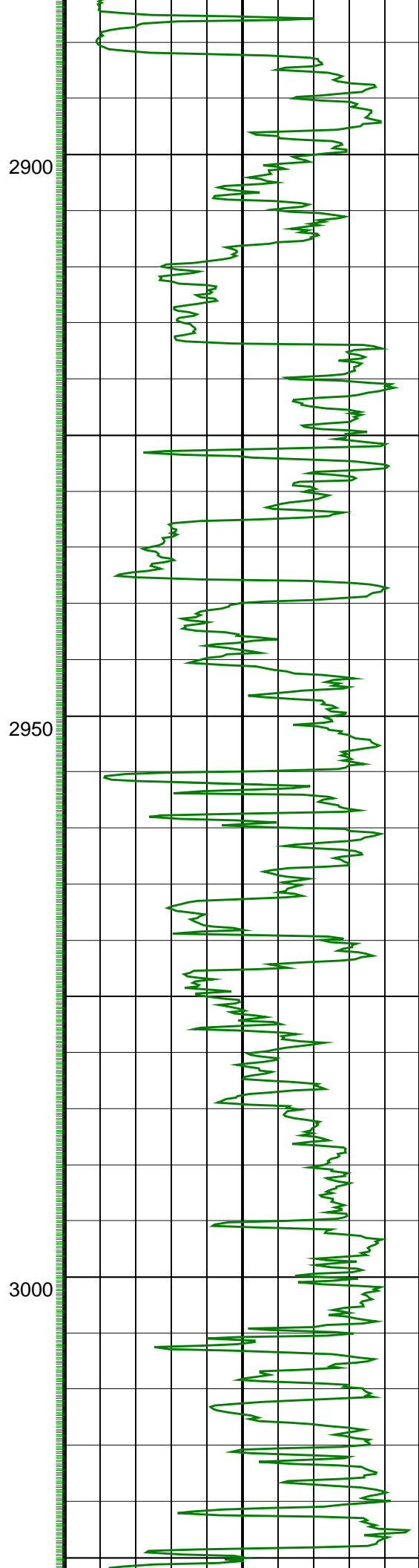
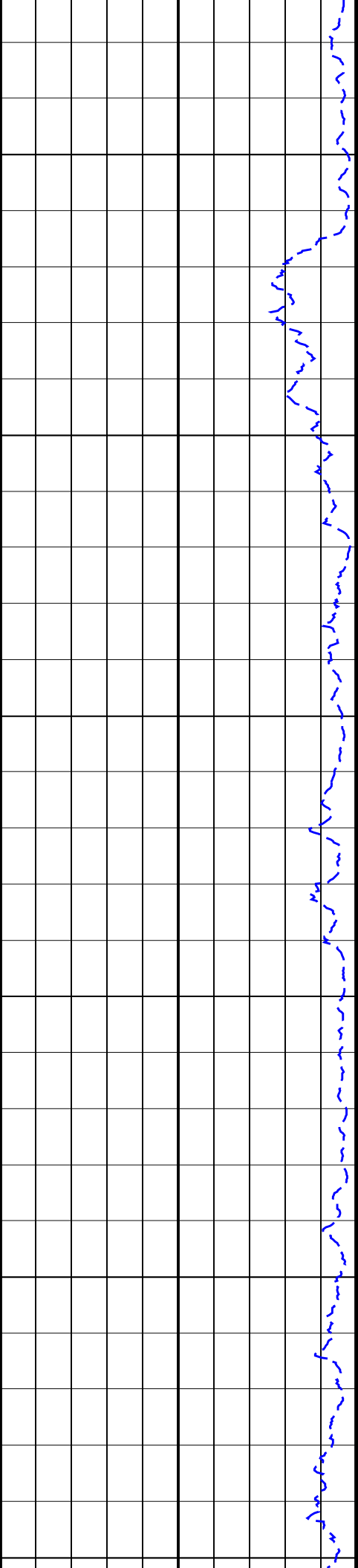


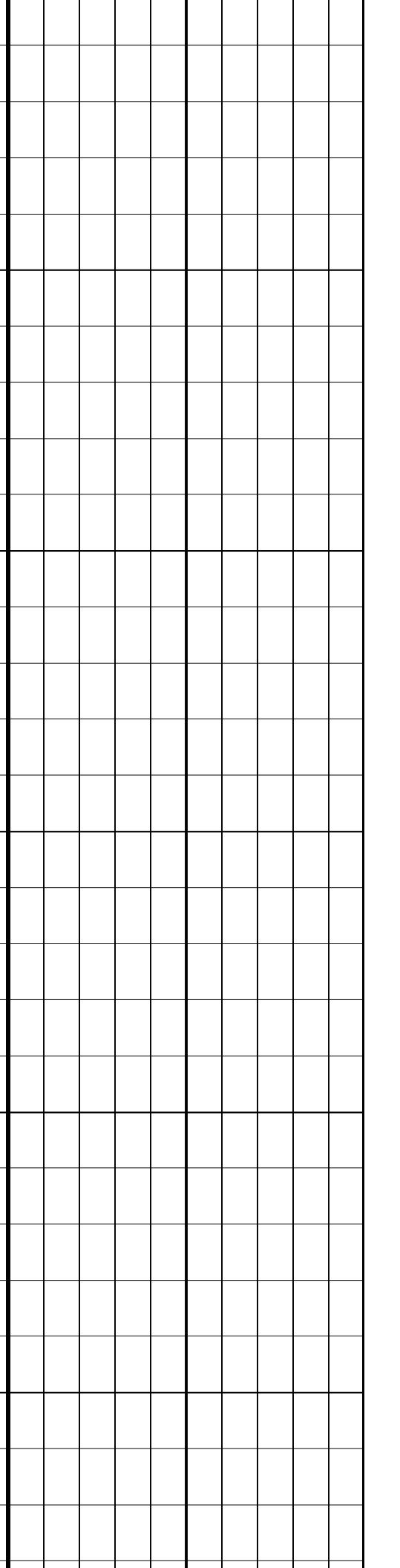
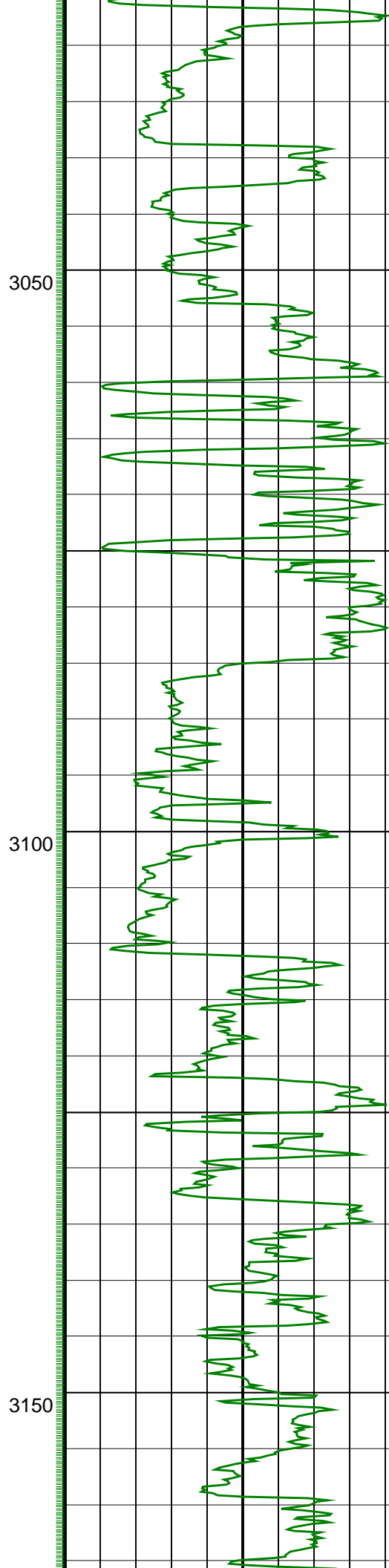
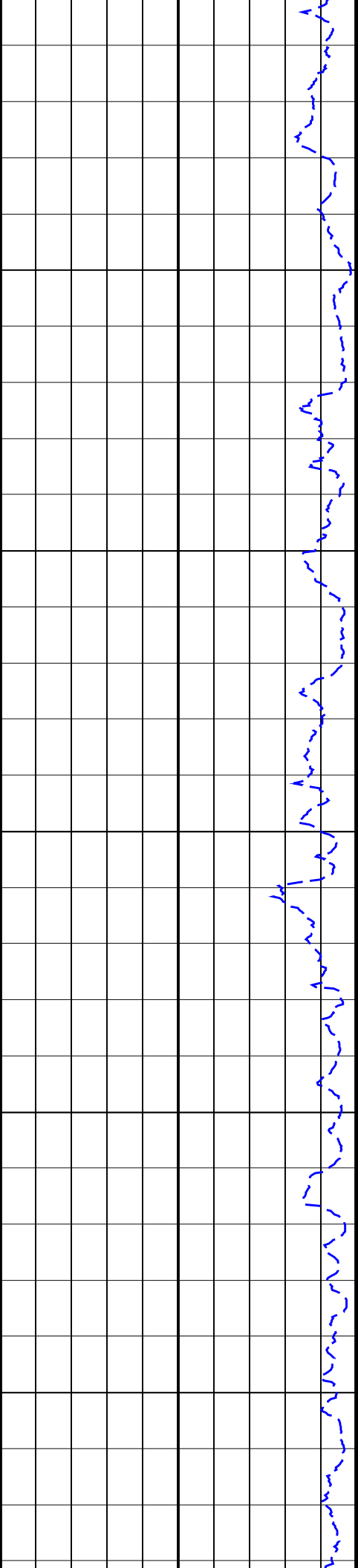
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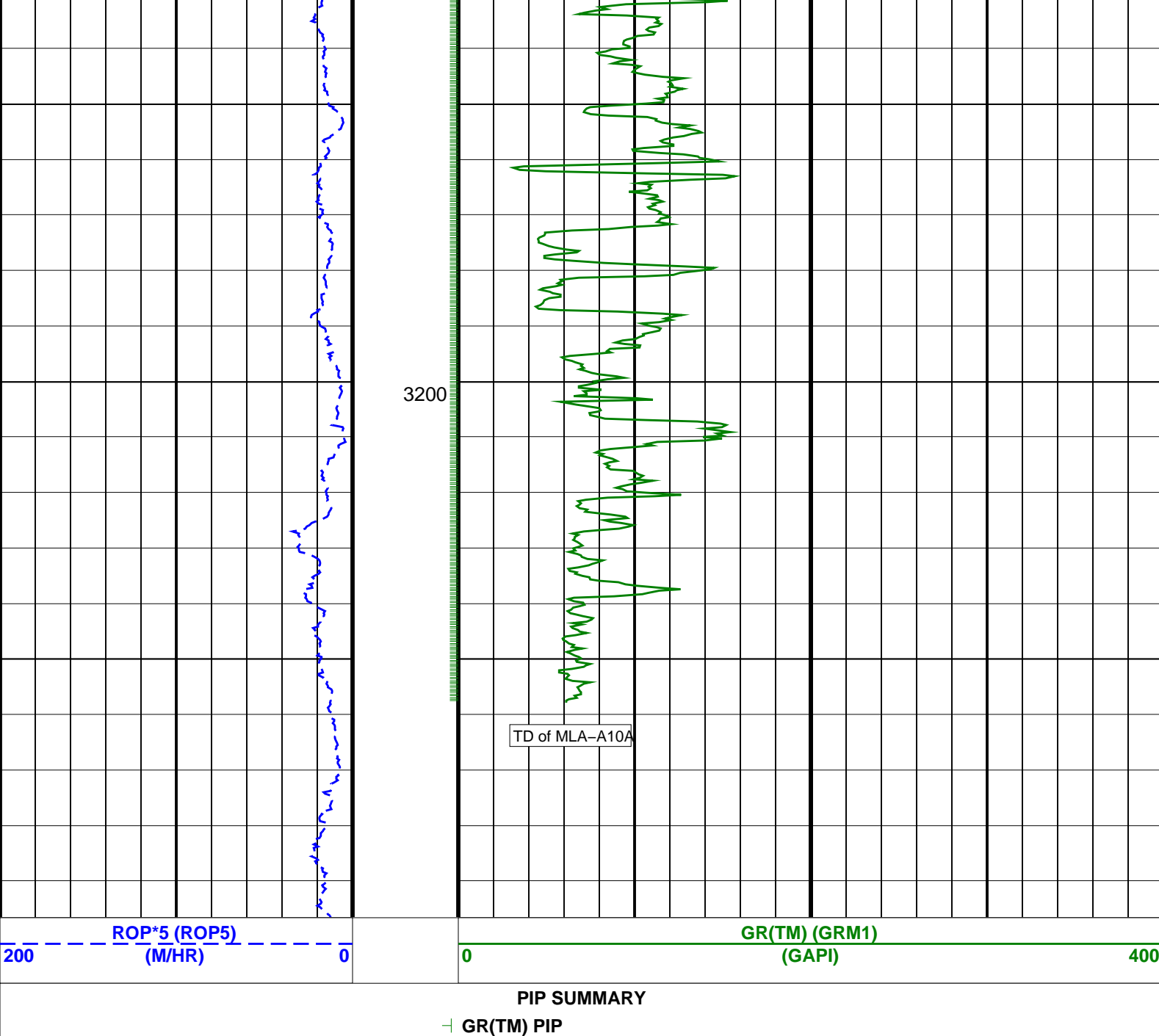
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2850









SCHLUMBERGER

Survey report 23-Aug-2004 06:48:55 Page 1 of 5

Client.....: ESSO Australia Pty. Ltd.
Field.....: Turrum

Well.....: MLA-A10A Spud date.....: 03-Aug-04
API number.....: Last survey date.....: 23-Aug-04
Engineer.....: R. Borjas/J. Dolan/L. Johnston Total accepted surveys...: 91
MD of first survey.....: 703.90 m
RIG.....: ISDL 453 MD of last survey.....: 3248.00 m
STATE.....: Victoria

----- Survey calculation methods-----	----- Geomagnetic data -----
Method for positions.....: Minimum curvature	Magnetic model.....: BGGM version 2003
Method for DLS.....: Mason & Taylor	Magnetic date.....: 03-Aug-2004
	Magnetic field strength...: 1199.63 HCNT
----- Depth reference -----	Magnetic dec (+E/W-).....: 13.14 degrees
Permanent datum.....: Mean Sea Level	Magnetic dip.....: -68.73 degrees
Depth reference.....: Driller's Depth	
GL above permanent.....: -59.00 m	----- MWD survey Reference Criteria -----
KB above permanent.....: 27.91 m	Reference G.....: 1000.03 mGal
DF above permanent.....: 27.91 m	Reference H.....: 1199.63 HCNT
	Reference Dip.....: -68.73 degrees
----- Vertical section origin-----	Tolerance of G.....: (+/-) 2.50 mGal

Latitude (+N/S-):..... 0.00 m Tolerance of H..... (+/-) 6.00 HCN1
Departure (+E/W-):..... 0.00 m Tolerance of Dip..... (+/-) 0.45 degrees
----- Corrections -----

Magnetic dec (+E/W-):..... 13.14 degrees
Grid convergence (+E/W-):..... -0.76 degrees
Total az corr (+E/W-):..... 13.90 degrees
Azimuth from rotary table to target: 120.20 degrees (Total az corr = magnetic dec - grid conv)
Survey Correction Type
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (deg)	At Azim (deg)	DLS (deg/100f)	Srvy tool	Tool Corr
1	645.00	35.55	160.36	0.00	618.78	138.61	-135.85	81.31	158.32	149.10	0.00	TIP	None
2	703.90	40.14	144.21	58.90	665.39	169.13	-167.47	98.22	194.15	149.61	5.63	MWD	None
3	732.14	40.55	141.06	28.24	686.92	186.02	-182.00	109.31	212.30	149.01	2.24	MWD	None
4	761.57	40.68	142.73	29.43	709.26	203.82	-197.07	121.13	231.32	148.42	1.13	MWD	None
5	790.20	41.02	143.18	28.63	730.92	221.09	-212.02	132.42	249.97	148.01	0.48	MWD	None
6	818.78	41.08	138.63	28.58	752.48	238.64	-226.58	144.24	268.60	147.52	3.19	MWD	None
7	847.90	41.36	134.42	29.12	774.38	257.05	-240.49	157.44	287.45	146.79	2.92	MWD	None
8	876.11	41.48	127.82	28.21	795.55	275.35	-252.75	171.49	305.44	145.84	4.72	MWD	None
9	904.81	42.40	122.89	28.70	816.90	294.44	-263.84	187.12	323.46	144.65	3.63	MWD	None
10	932.86	43.46	120.24	28.05	837.44	313.54	-273.83	203.40	341.11	143.40	2.27	MWD	None
11	961.92	43.74	119.87	29.06	858.49	333.58	-283.87	220.75	359.60	142.13	0.40	MWD	None
12	990.86	43.60	119.86	28.94	879.42	353.56	-293.82	238.08	378.17	140.98	0.15	MWD	None
13	1019.22	43.67	119.61	28.36	899.94	373.13	-303.53	255.07	396.47	139.96	0.20	MWD	None
14	1048.10	43.59	119.59	28.88	920.85	393.06	-313.37	272.40	415.21	139.00	0.09	MWD	None
15	1076.57	44.20	120.95	28.47	941.36	412.79	-323.32	289.44	433.95	138.16	1.20	MWD	None
16	1105.41	44.22	120.79	28.84	962.04	432.90	-333.64	306.70	453.19	137.41	0.12	MWD	None
17	1133.86	44.16	120.71	28.45	982.44	452.73	-343.78	323.75	472.22	136.72	0.09	MWD	None
18	1162.44	43.94	120.88	28.58	1002.98	472.60	-353.95	340.82	491.36	136.08	0.27	MWD	None
19	1191.10	43.77	120.76	28.66	1023.64	492.46	-364.12	357.87	510.55	135.50	0.20	MWD	None
20	1219.70	43.60	120.49	28.60	1044.33	512.21	-374.19	374.87	529.66	134.95	0.27	MWD	None
21	1248.31	43.43	120.24	28.61	1065.07	531.91	-384.14	391.86	548.75	134.43	0.26	MWD	None
22	1276.86	43.32	120.49	28.55	1085.83	551.52	-394.06	408.78	567.79	133.95	0.22	MWD	None
23	1305.91	43.14	120.26	29.05	1106.99	571.42	-404.12	425.95	587.15	133.49	0.25	MWD	None
24	1334.56	43.88	121.50	28.65	1127.77	591.14	-414.24	442.88	606.41	133.09	1.20	MWD	None
25	1362.97	43.95	121.60	28.41	1148.24	610.84	-424.55	459.67	625.73	132.73	0.11	MWD	None
26	1391.85	43.62	121.88	28.88	1169.09	630.81	-435.07	476.66	645.36	132.39	0.40	MWD	None
27	1420.66	43.21	121.88	28.81	1190.01	650.61	-445.52	493.48	664.84	132.08	0.43	MWD	None
28	1450.71	43.22	121.88	30.05	1211.91	671.17	-456.39	510.95	685.10	131.77	0.01	MWD	None
29	1479.58	44.21	123.67	28.87	1232.78	691.10	-467.19	527.72	704.81	131.52	1.67	MWD	None
30	1508.27	44.15	123.85	28.69	1253.36	711.06	-478.30	544.34	724.63	131.31	0.15	MWD	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (deg)	At Azim (deg)	DLS (deg/100f)	Srvy tool	Tool Corr
31	1536.77	44.13	123.83	28.51	1273.82	730.87	-489.36	560.83	744.32	131.11	0.03	MWD	None
32	1565.03	44.15	123.85	28.25	1294.09	750.51	-500.32	577.18	763.84	130.92	0.03	MWD	None
33	1594.24	43.93	123.85	29.21	1315.09	770.77	-511.63	594.04	783.99	130.74	0.23	MWD	None
34	1622.84	43.75	123.89	28.60	1335.72	790.54	-522.67	610.49	803.66	130.57	0.19	MWD	None
35	1651.34	43.46	123.89	28.50	1356.35	810.16	-533.63	626.80	823.19	130.41	0.31	MWD	None
36	1679.44	43.51	123.98	28.10	1376.74	829.45	-544.42	642.85	842.41	130.26	0.09	MWD	None
37	1708.34	44.04	123.25	28.90	1397.61	849.41	-555.49	659.50	862.27	130.11	0.77	MWD	None
38	1736.89	44.00	123.04	28.55	1418.14	869.22	-566.34	676.11	881.96	129.95	0.16	MWD	None
39	1765.56	44.26	122.92	28.67	1438.72	889.16	-577.20	692.86	901.78	129.80	0.29	MWD	None
40	1794.14	44.76	122.09	28.58	1459.10	909.18	-587.97	709.75	921.66	129.64	0.82	MWD	None
41	1823.71	45.45	122.24	29.57	1479.97	930.12	-599.12	727.48	942.43	129.47	0.72	MWD	None
42	1852.95	44.04	122.56	29.23	1500.73	950.68	-610.15	744.86	962.86	129.32	1.49	MWD	None
43	1880.92	43.53	122.31	27.98	1520.93	970.02	-620.53	761.20	982.08	129.19	0.59	MWD	None
44	1909.80	43.11	122.55	28.88	1541.94	989.82	-631.15	777.92	1001.76	129.05	0.48	MWD	None
45	1938.87	43.09	122.69	29.07	1563.17	1009.67	-641.86	794.65	1021.50	128.93	0.11	MWD	None
46	1964.78	43.75	122.35	25.91	1581.99	1027.46	-651.43	809.67	1039.19	128.82	0.83	MWD	None
47	1996.00	43.67	122.25	31.22	1604.56	1049.02	-662.96	827.90	1060.63	128.69	0.10	MWD	None
48	2024.60	43.18	122.11	28.60	1625.33	1068.66	-673.43	844.54	1080.17	128.57	0.53	MWD	None
49	2053.10	43.26	121.90	28.50	1646.10	1088.17	-683.78	861.09	1099.56	128.45	0.18	MWD	None
50	2082.05	43.39	121.91	28.95	1667.16	1108.03	-694.27	877.95	1119.29	128.34	0.14	MWD	None

51	2110.79	43.74	122.04	28.74	1687.98	1127.82	-704.76	894.75	1138.98	128.23	0.38	MWD	None
52	2139.52	44.20	121.99	28.73	1708.66	1147.76	-715.34	911.67	1158.81	128.12	0.49	MWD	None
53	2168.19	43.87	122.07	28.67	1729.27	1167.68	-725.91	928.56	1178.63	128.02	0.36	MWD	None
54	2195.93	43.58	122.31	27.74	1749.32	1186.84	-736.12	944.79	1197.71	127.92	0.37	MWD	None
55	2225.38	43.20	122.34	29.45	1770.72	1207.06	-746.94	961.88	1217.84	127.83	0.39	MWD	None
56	2253.34	43.84	122.56	27.96	1790.99	1226.30	-757.27	978.13	1237.01	127.75	0.72	MWD	None
57	2282.79	43.44	122.67	29.45	1812.30	1246.60	-768.22	995.25	1257.26	127.66	0.42	MWD	None
58	2311.17	42.99	122.68	28.38	1832.99	1266.02	-778.72	1011.61	1276.62	127.59	0.48	MWD	None
59	2339.70	42.24	122.92	28.53	1853.98	1285.31	-789.18	1027.85	1295.87	127.52	0.82	MWD	None
60	2368.21	41.26	123.08	28.51	1875.25	1304.28	-799.52	1043.77	1314.79	127.45	1.05	MWD	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (deg)	At Azim (deg)	DLS (100f)	Srvy tool type	Tool Corr
61	2396.80	42.45	123.60	28.59	1896.55	1323.32	-810.00	1059.70	1333.82	127.39	1.32	MWD	None
62	2425.38	39.14	121.62	28.58	1918.18	1341.97	-820.07	1075.42	1352.43	127.33	3.79	MWD	None
63	2454.28	37.00	118.22	28.90	1940.94	1359.79	-828.97	1090.86	1370.09	127.23	3.16	MWD	None
64	2483.13	35.18	116.54	28.85	1964.25	1376.76	-836.79	1105.94	1386.84	127.11	2.19	MWD	None
65	2511.94	32.27	114.92	28.81	1988.21	1392.70	-843.74	1120.35	1402.52	126.98	3.22	MWD	None
66	2540.74	28.93	111.27	28.80	2013.00	1407.25	-849.51	1133.81	1416.76	126.84	4.04	MWD	None
67	2569.71	27.16	106.89	28.97	2038.57	1420.61	-853.97	1146.67	1429.73	126.68	2.86	MWD	None
68	2598.39	25.54	103.63	28.68	2064.27	1432.90	-857.33	1158.95	1441.59	126.49	2.31	MWD	None
69	2626.92	22.22	100.97	28.53	2090.35	1443.89	-859.81	1170.22	1452.13	126.31	3.73	MWD	None
70	2655.76	20.27	92.04	28.84	2117.24	1453.45	-861.02	1180.57	1461.20	126.10	3.99	MWD	None
71	2684.07	20.16	81.42	28.31	2143.81	1461.58	-860.47	1190.30	1468.75	125.86	3.95	MWD	None
72	2713.00	19.76	77.75	28.93	2171.01	1469.08	-858.69	1200.01	1475.59	125.59	1.39	MWD	None
73	2741.62	19.40	76.77	28.62	2197.97	1476.10	-856.57	1209.36	1481.99	125.31	0.52	MWD	None
74	2770.13	18.28	77.13	28.51	2224.95	1482.80	-854.49	1218.33	1488.12	125.04	1.20	MWD	None
75	2798.77	17.51	77.18	28.64	2252.21	1489.23	-852.54	1226.91	1494.03	124.79	0.82	MWD	None
76	2827.33	17.29	76.90	28.56	2279.46	1495.46	-850.62	1235.24	1499.79	124.55	0.25	MWD	None
77	2856.42	18.68	72.75	29.09	2307.13	1501.76	-848.26	1243.90	1505.60	124.29	1.98	MWD	None
78	2884.76	17.92	71.45	28.34	2334.04	1507.70	-845.53	1252.36	1511.07	124.03	0.93	MWD	None
79	2913.49	18.61	64.18	28.73	2361.32	1513.18	-842.13	1260.68	1516.08	123.74	2.52	MWD	None
80	2942.44	17.74	65.89	28.95	2388.83	1518.34	-838.31	1268.87	1520.79	123.45	1.07	MWD	None
81	2970.95	16.77	68.09	28.51	2416.05	1523.40	-835.00	1276.65	1525.47	123.19	1.25	MWD	None
82	2999.52	15.81	69.75	28.57	2443.48	1528.41	-832.12	1284.12	1530.16	122.94	1.14	MWD	None
83	3028.29	14.08	73.13	28.77	2471.27	1533.29	-829.74	1291.15	1534.78	122.73	2.05	MWD	None
84	3056.82	13.45	75.98	28.53	2498.98	1538.03	-827.93	1297.69	1539.31	122.54	0.99	MWD	None
85	3085.62	11.70	83.42	28.80	2527.09	1542.77	-826.79	1303.84	1543.88	122.38	2.52	MWD	None
86	3114.46	11.31	84.29	28.84	2555.35	1547.40	-826.17	1309.56	1548.39	122.25	0.45	MWD	None
87	3143.17	10.33	87.65	28.71	2583.55	1551.85	-825.79	1314.93	1552.73	122.13	1.24	MWD	None
88	3172.07	9.47	95.13	28.90	2612.02	1556.19	-825.89	1319.89	1556.99	122.04	1.63	MWD	None
89	3200.78	9.03	99.46	28.71	2640.36	1560.43	-826.47	1324.47	1561.17	121.96	0.87	MWD	None
90	3226.24	8.98	101.24	25.46	2665.51	1564.18	-827.19	1328.38	1564.88	121.91	0.34	MWD	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (deg)	At Azim (deg)	DLS (100f)	Srvy tool type	Tool Corr
91	3248.00	8.94	102.66	21.76	2687.00	1567.40	-827.89	1331.70	1568.07	121.87	0.31	Projection to TD	

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Company: **ESSO Australia Pty. Ltd.**

Well: **MLA-A10A**
Field: **Turrum**
Rig: **ISDL 453**
State: **Victoria**



Gamma Ray Service

1:500 Measured Depth

Real Time Log