

Company: **Woodside Energy Limited**

Well: **Thylacine-2**

Field: Permit T/30P

Rig: **Ocean Bounty** State: **Tasmania**

<div><div>CDR – Resistivity</div><div>1:200 Measured Depth</div><div>Recorded Mode</div></div>										<div><div><div>Schlumberger</div></div><div></div></div>									
<div><div><div>Ring:</div><div>Field:</div><div>Location:</div><div>Well:</div><div>Company:</div></div><div><div>Ocean Bounty</div><div>Permit T/30P</div><div>Otway Basin</div><div>Thylacine–2</div><div>Woodside Energy Limited</div></div></div>										<div><div><div>Location</div><div><div>Total depth:</div><div>Spud date:</div><div>Runs:</div><div>Permanent datum:</div><div>Log measured from:</div><div>Depth reference:</div></div><div><div>2109 m</div><div>28 August 2001</div><div>1 To 1</div><div>Least Astronomical Tide</div><div>Drill Floor</div><div>Driller's Depth</div></div><div><div>Elev.</div><div>25.0 m</div><div>0.0 m</div><div>above Perm. datum</div></div></div></div>									
<div><div><div>API serial no.</div><div>Vertical Section</div><div>Longitude</div><div>Latitude</div></div><div><div>0 deg</div><div>E 142 50' 55.000 S 39 13' 42.675</div></div></div>										<div><div><div>Depth logged:</div><div>Date logged:</div></div><div><div>557 m</div><div>31 Aug 01</div></div><div><div>To 2094 m</div><div>To 2 Sept 01</div></div><div><div>Mag decl:</div><div>Mag dip:</div></div><div><div>11.05 deg</div><div>–70.39 deg</div></div><div><div>Other services:</div><div>Directional Surveys</div></div></div>									
<div><div><div>Bore hole record</div></div></div>										<div><div><div>Casing record</div></div></div>									
<div><div><div>Hole size</div><div>from</div><div>to</div><div>Size</div><div>Density</div><div>from</div><div>to</div></div><div><div>12.25 in</div><div>557 m</div><div>2109 m</div><div>13.375 in</div><div>61 lb/ft</div><div>126.0 m</div><div>551.0 m</div></div></div>										<div><div><div>Mud record</div><div>from</div><div>to</div><div>Min</div><div>Max</div><div>from</div><div>to</div></div><div><div></div><div>557 m</div><div>2109 m</div><div>0.59 deg</div><div>1.36 deg</div><div>557 m</div><div>2109 m</div></div></div>									
<div><div><div>Type</div><div>KCl/Polymer</div></div></div>										<div><div><div>Borehole deviation record</div></div></div>									
<div><div><div>Unit</div><div>Depth system</div></div></div>										<div><div><div>IDEAL</div><div>services from</div><div>Anadrill</div></div></div>									
<div><div><div>Surface equipment</div><div>TWIS–EA</div><div>Geograph</div></div></div>										<div><div><div>Software record</div><div>IDEAL Wis</div><div>SPM</div><div>LWD</div><div>MWD</div></div></div>									

DISCLAIMER

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 RUN1 MWD Surveys. 4–Axis vibration / shock monitoring. DWOB/DTORQ. Geologist Display.	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 1 Depth is referenced to the driller's pipe tally. The data presented is from the tool memory. The CDR gamma ray is corrected for mud weight, bit size and collar thickness. The CDR resistivity is borehole compensated but not environmentally corrected.	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

Interval drilled : 557 – 2109m.

Interval drilled : 557 – 2109m.
Interval logged : 557 – 2094m.

Run objective : drill vertically to casing point.
POOH : reached 9 5/8 in. casing point.

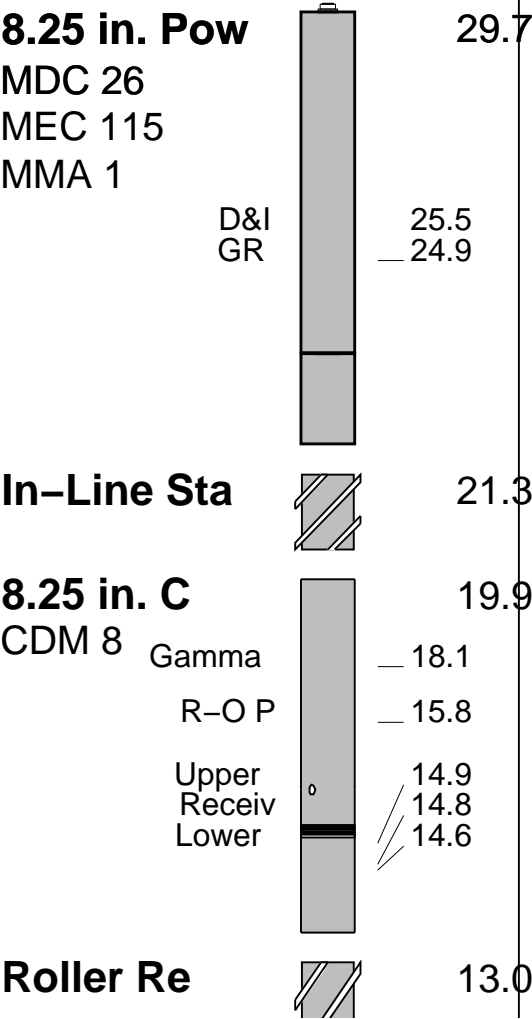
EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

DOWNHOLE EQ



GR										
Mud weight	sg	1.26								
Bit size	in	12.25								
Resistivity										
Neutron porosity										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Recording rate 1	SEC	6 sec	CDR GR							
Recording rate 2	SEC	6 sec	CDR RES							
Filtering GR										
Filtering density										
Filtering Neutron										
Company representative		M.Jackson	J.Trethewie	M.Bilek	G.Westie					
Anadrill personnel		L.Muskett	O.Radicevic	B.Hanson						

6921.5 FT

IDF

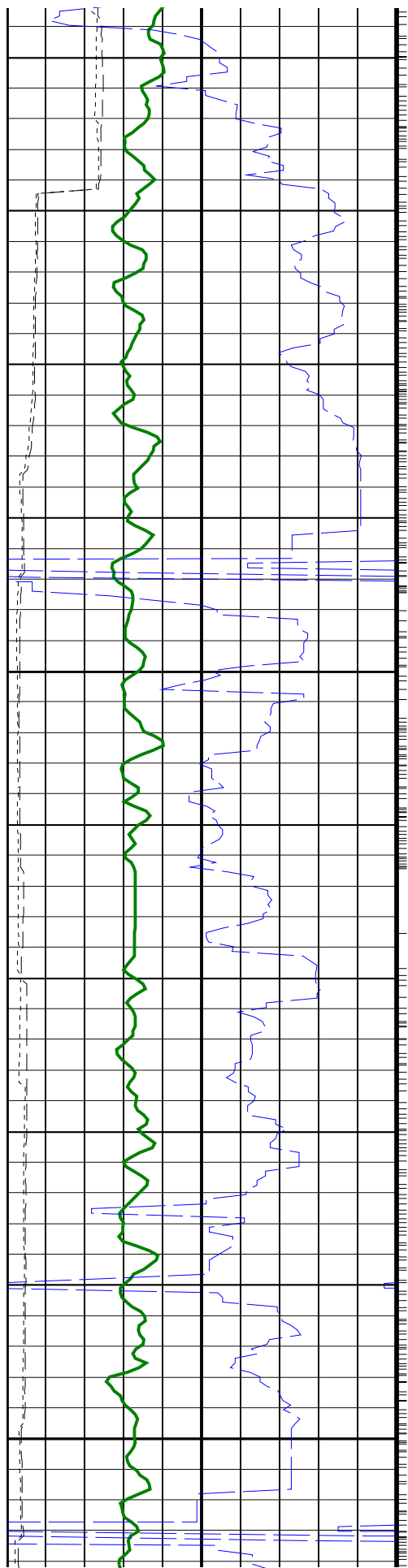
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0.0 m

└ CDR Gamma Ray Samples
└ CDR Resistivity Samples

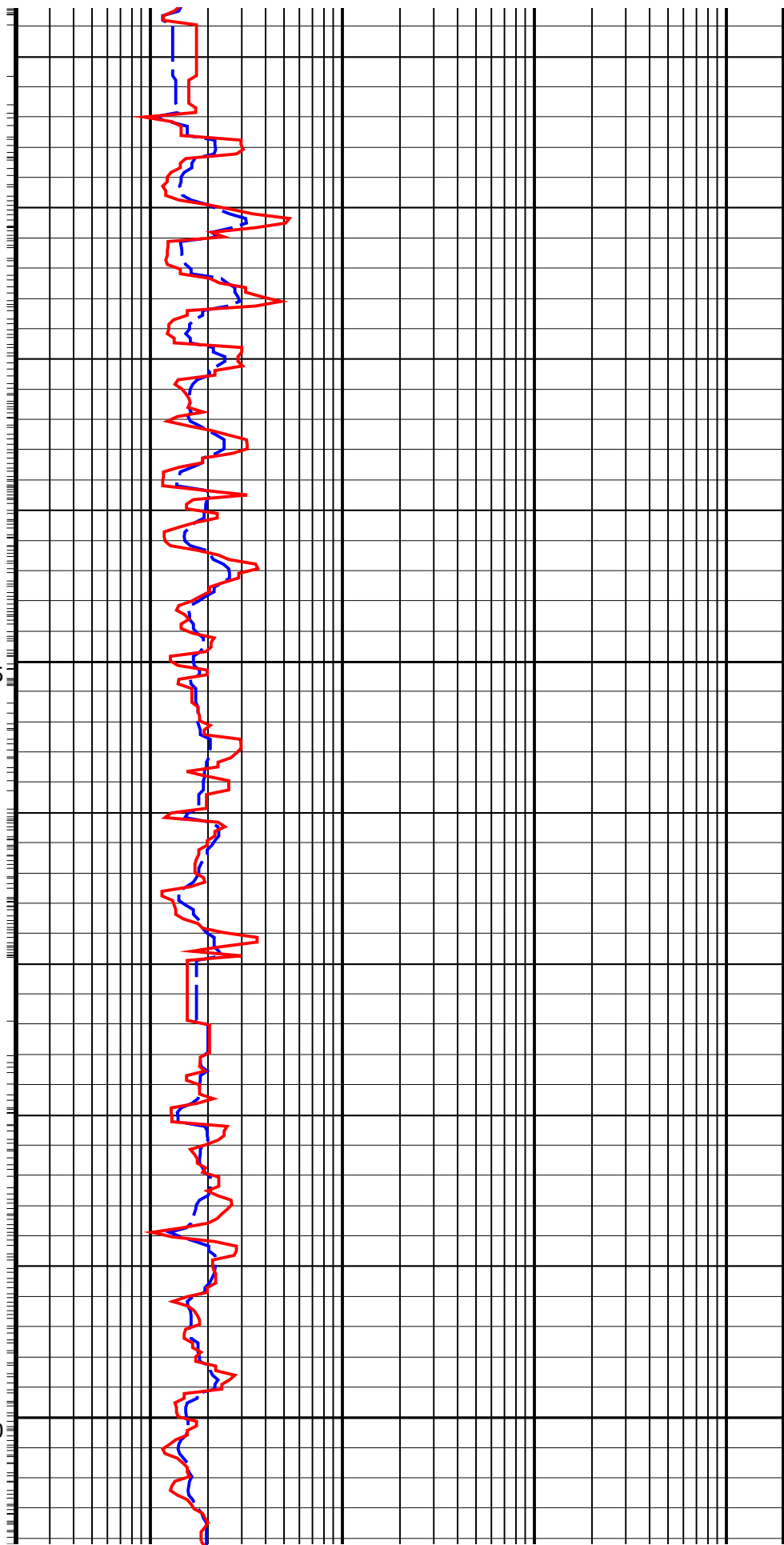
0.2 (OHMM) 2000

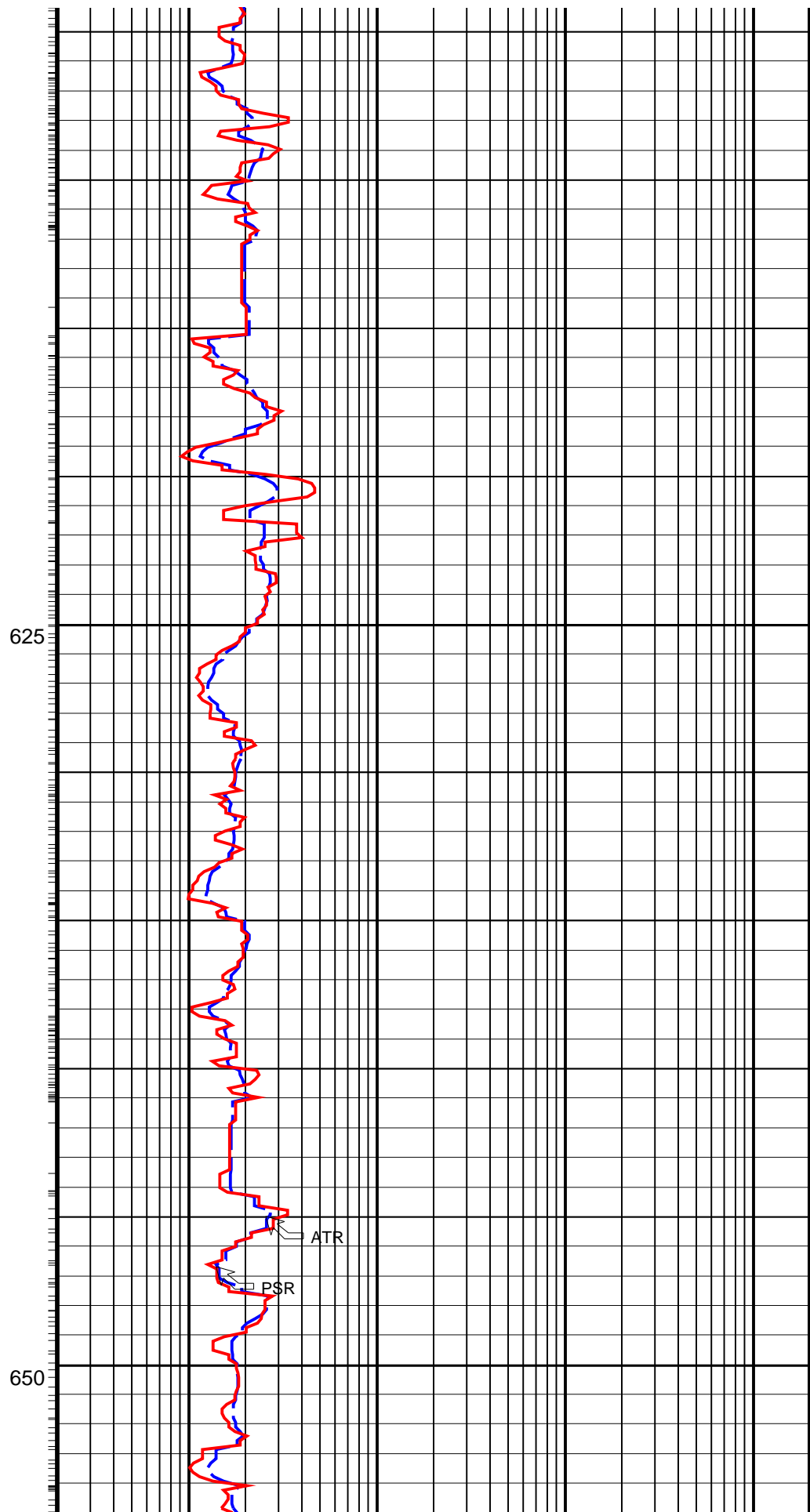
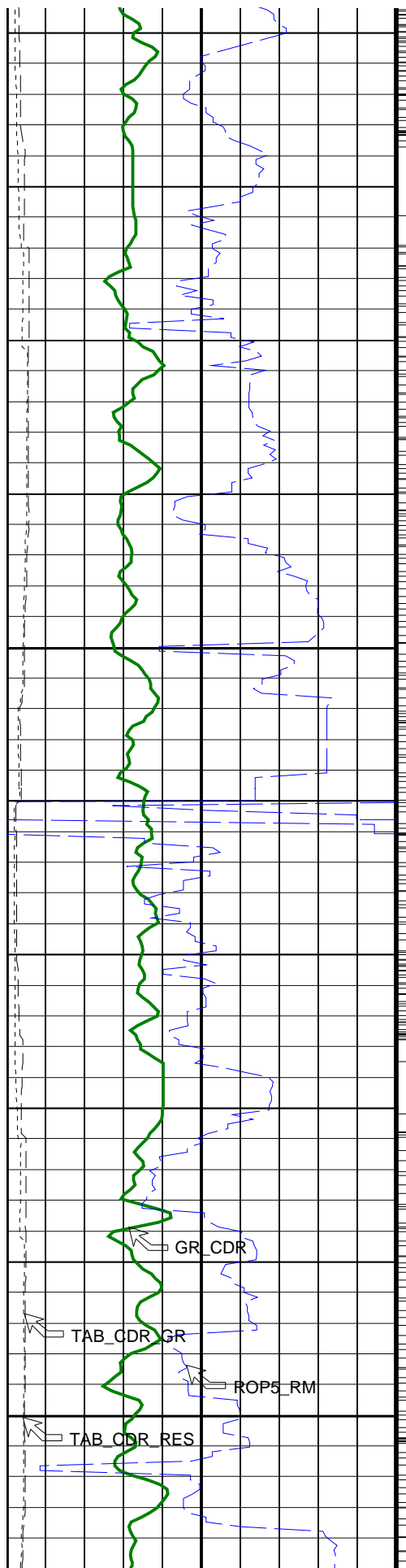
13-3/8" Casing Shoe set at 550.7 m

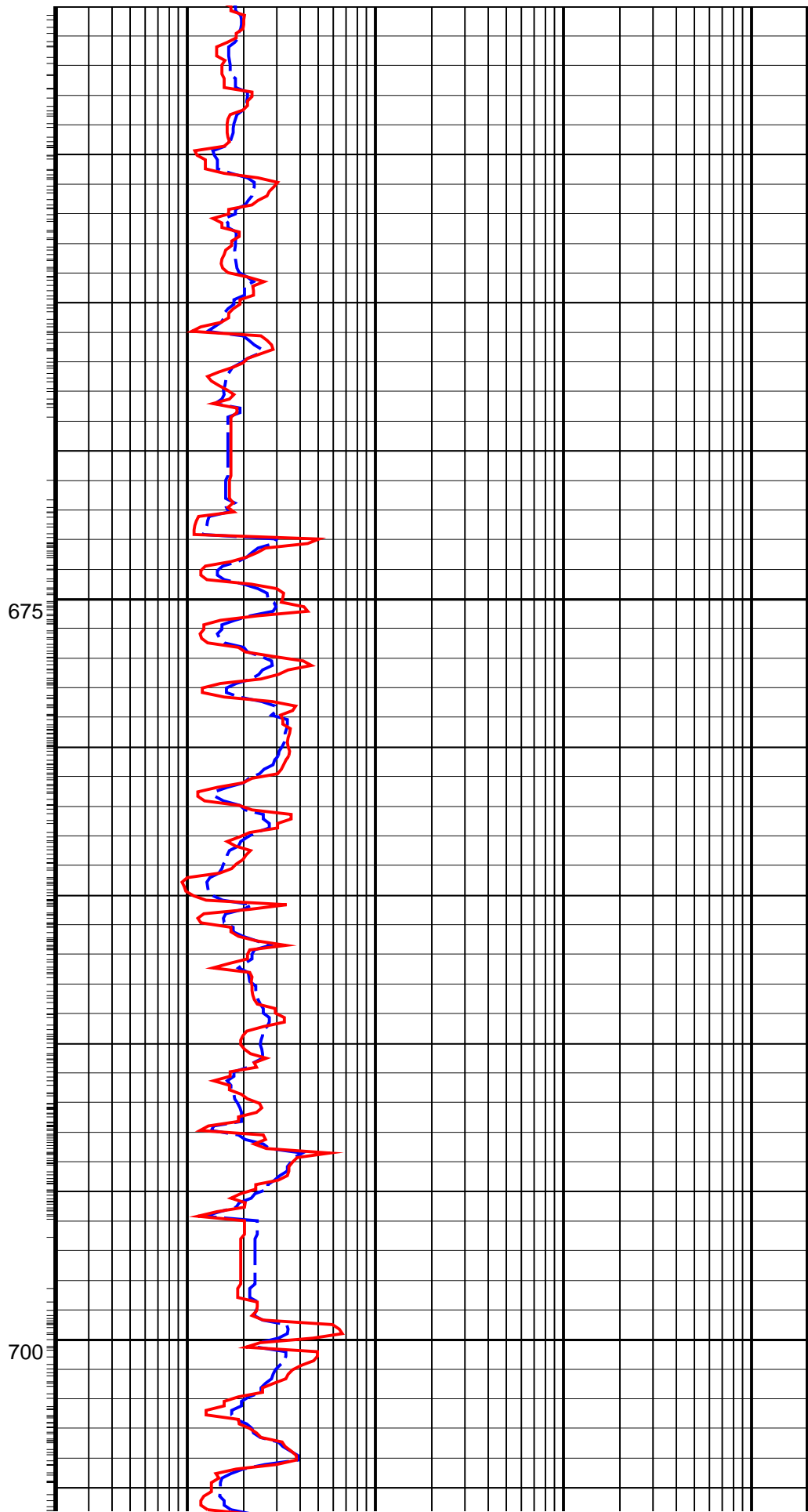
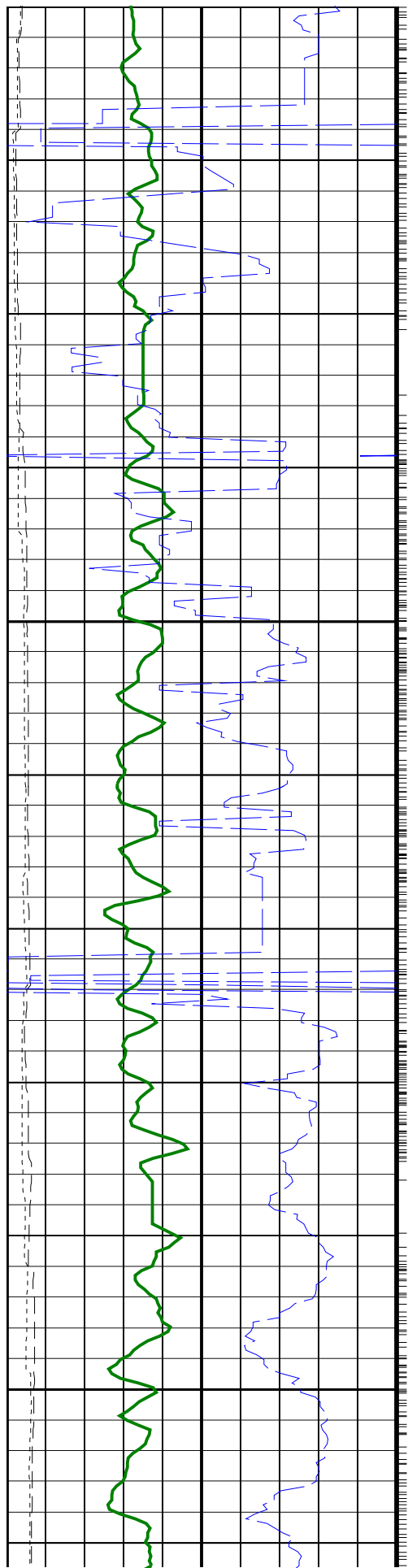


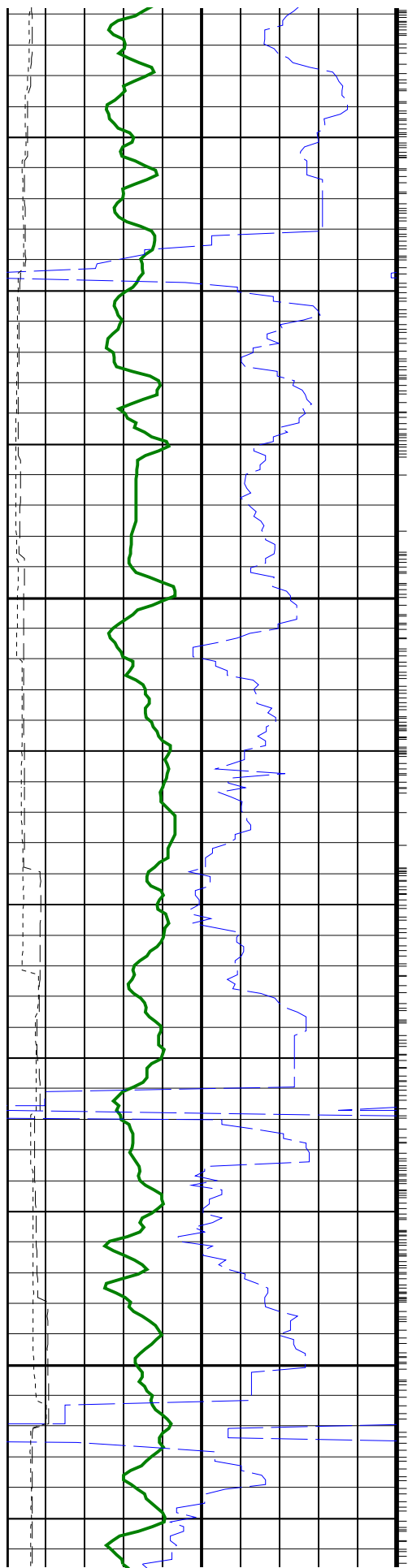
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600



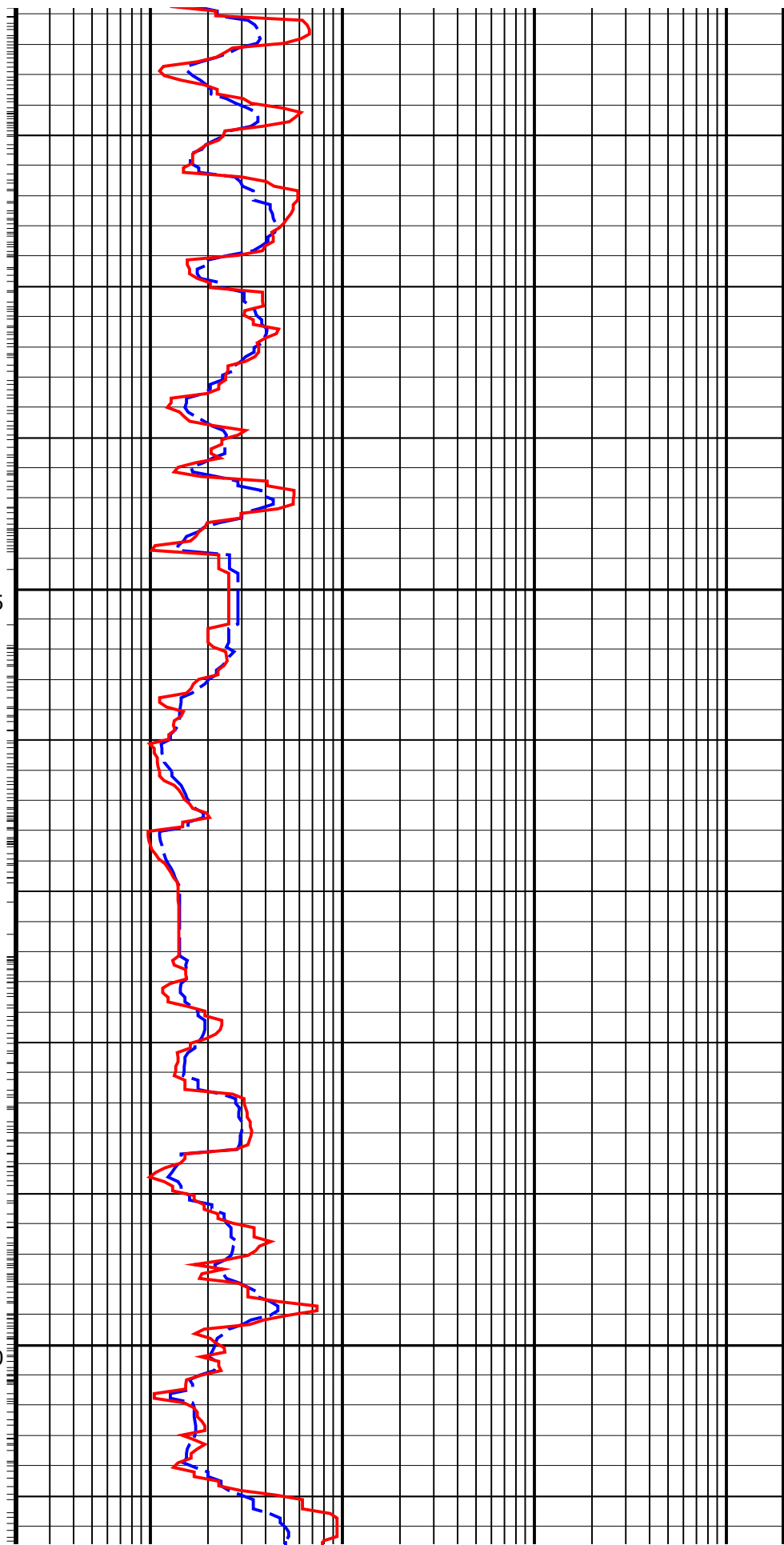


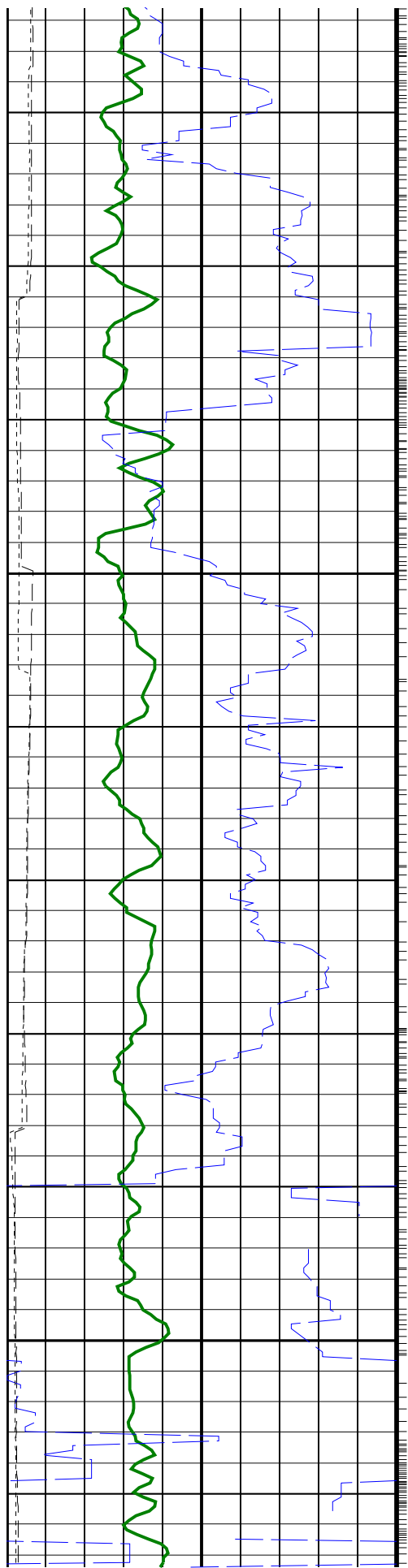




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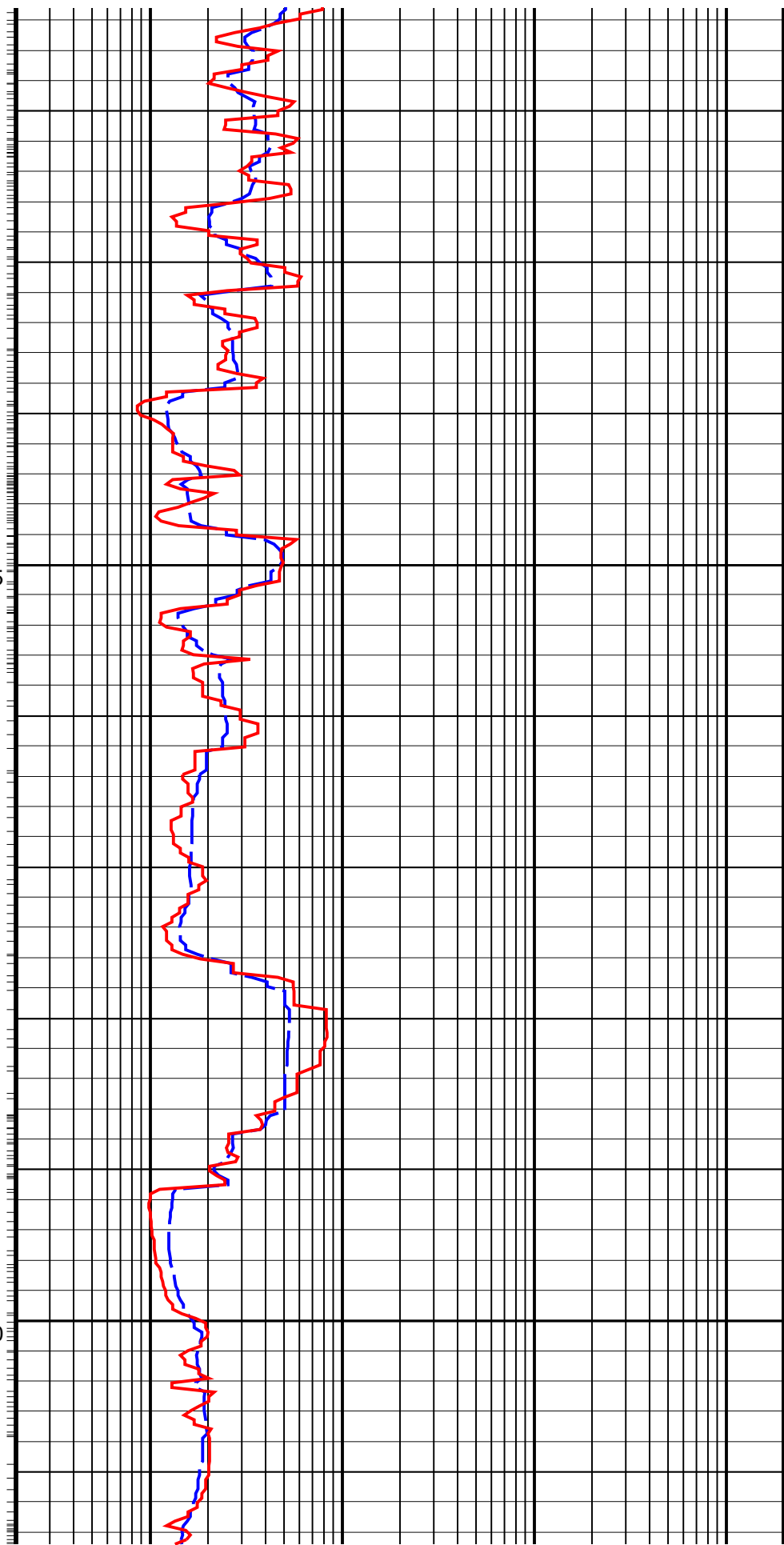
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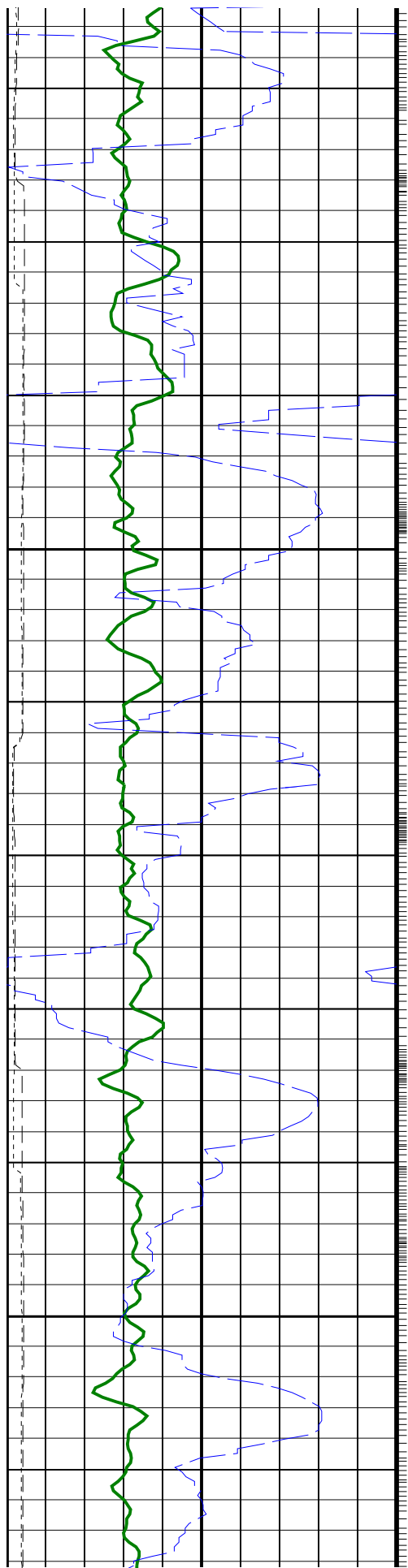




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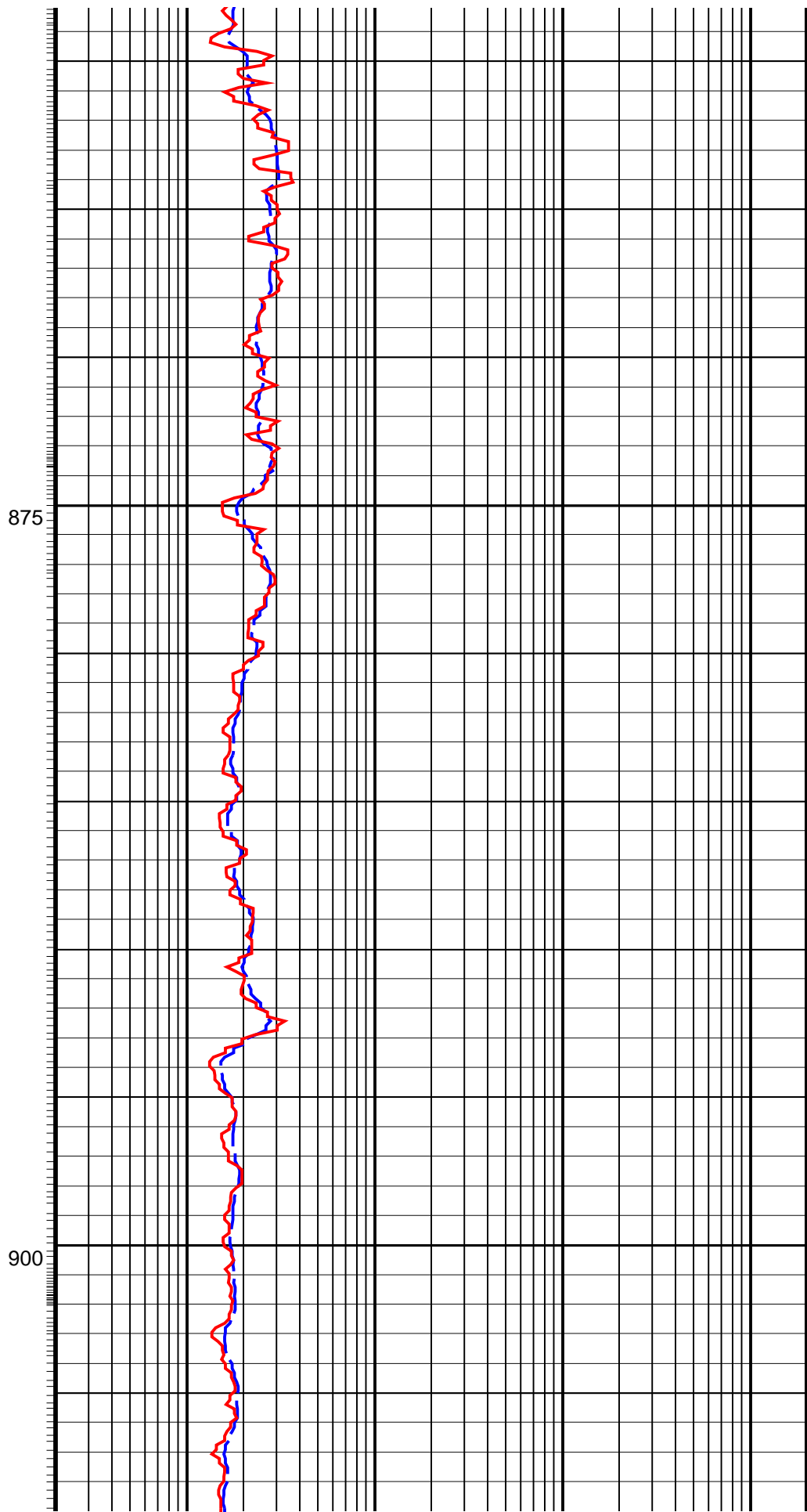
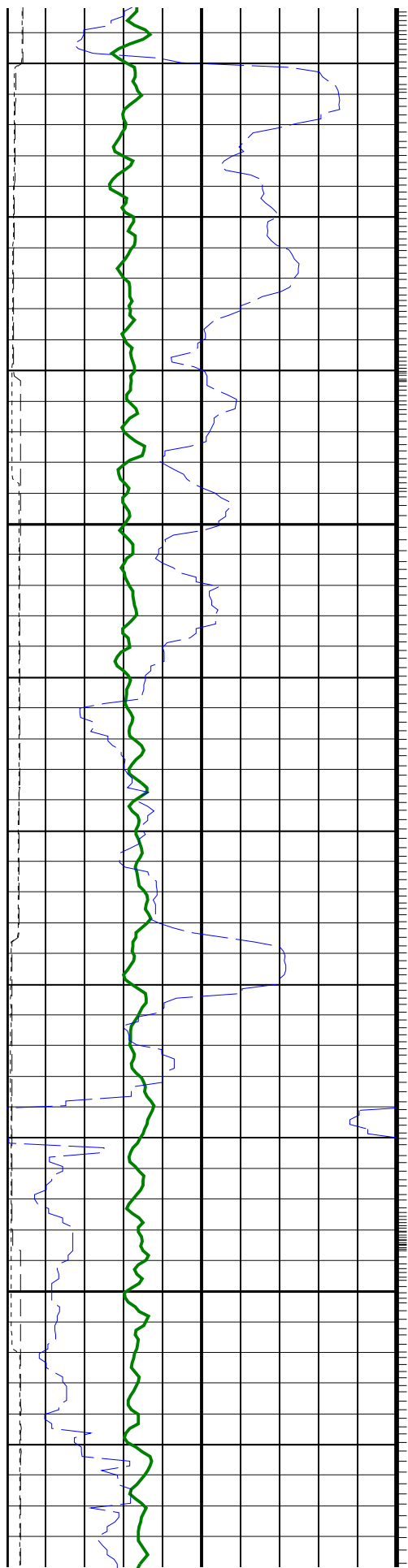


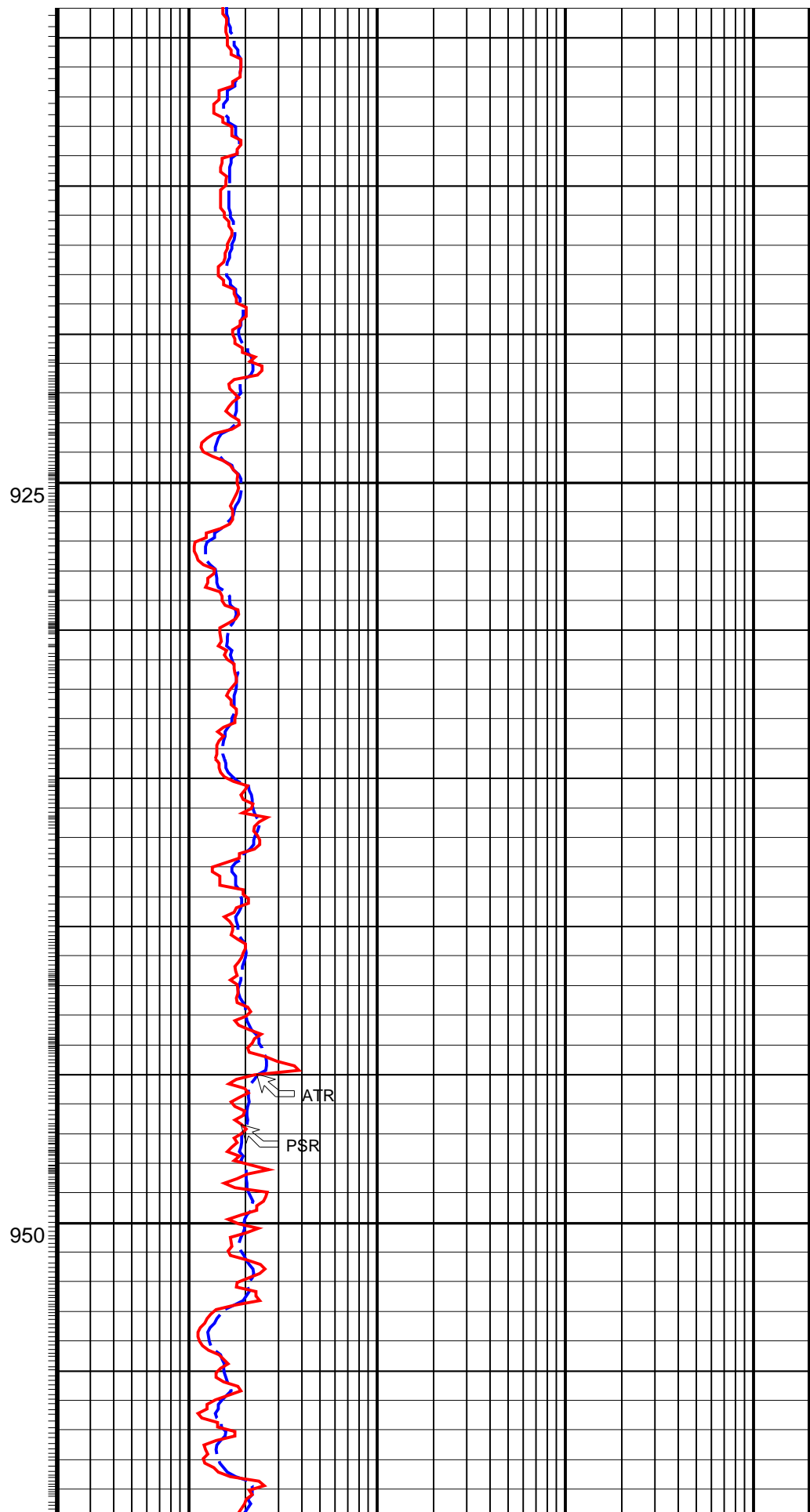
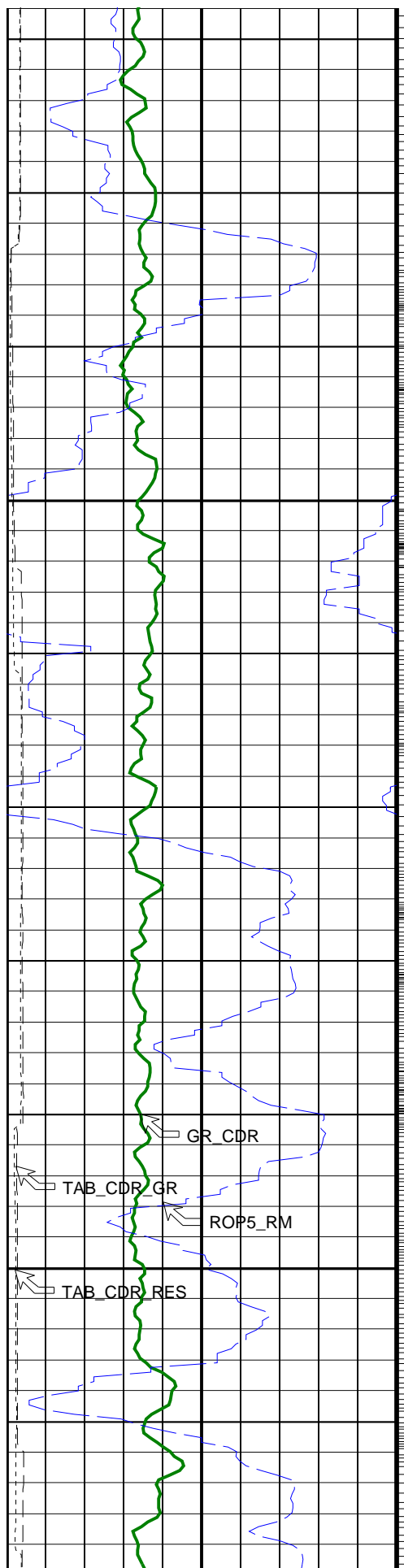


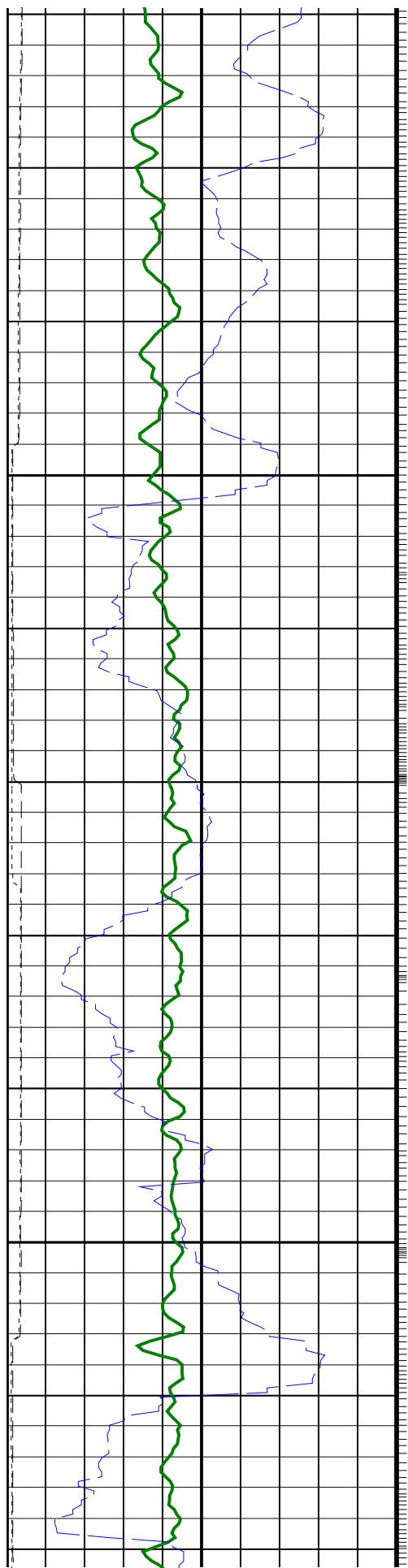
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850

Geograph Installed

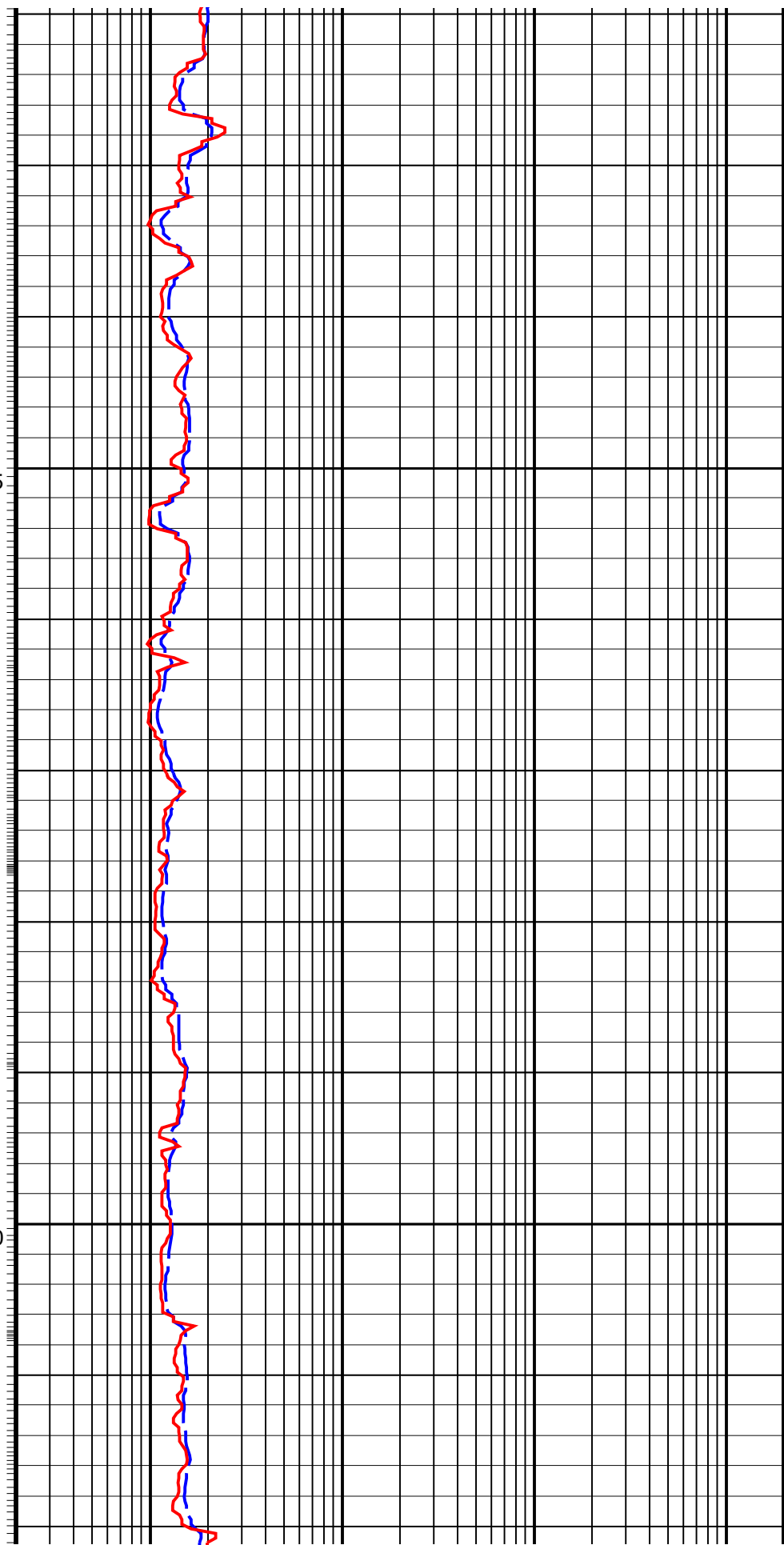


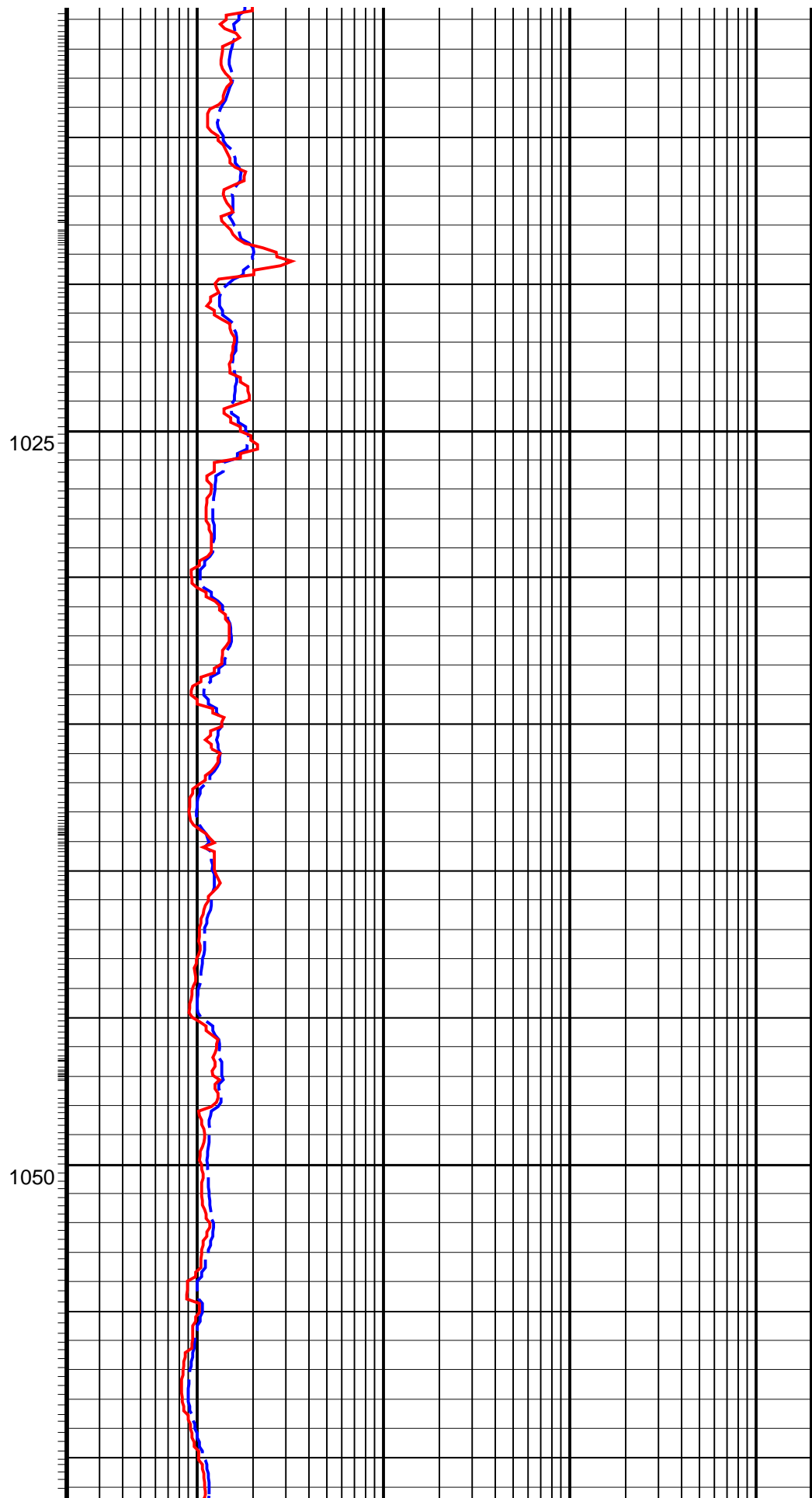
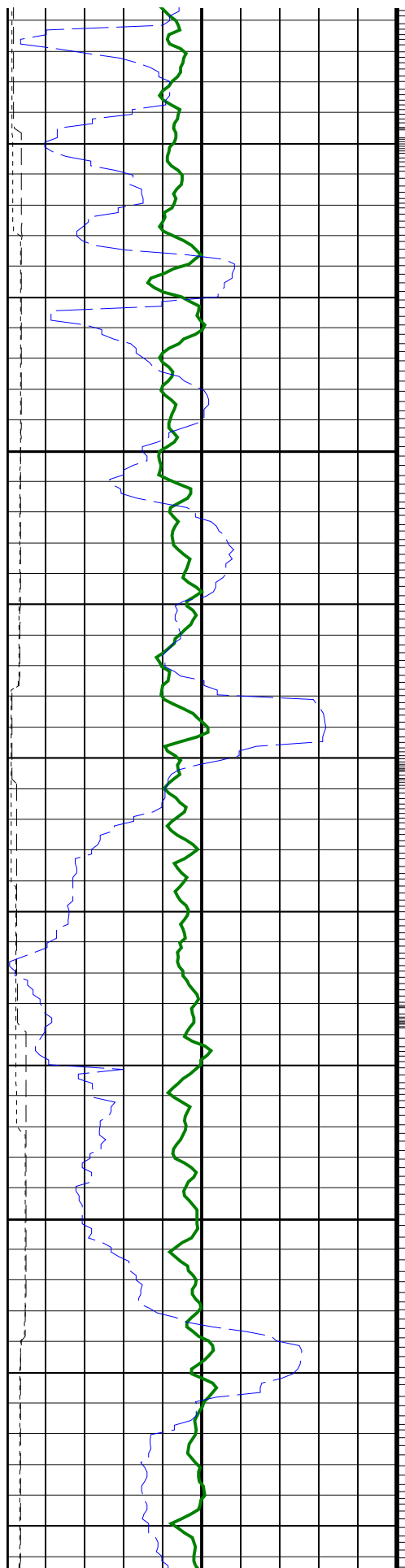


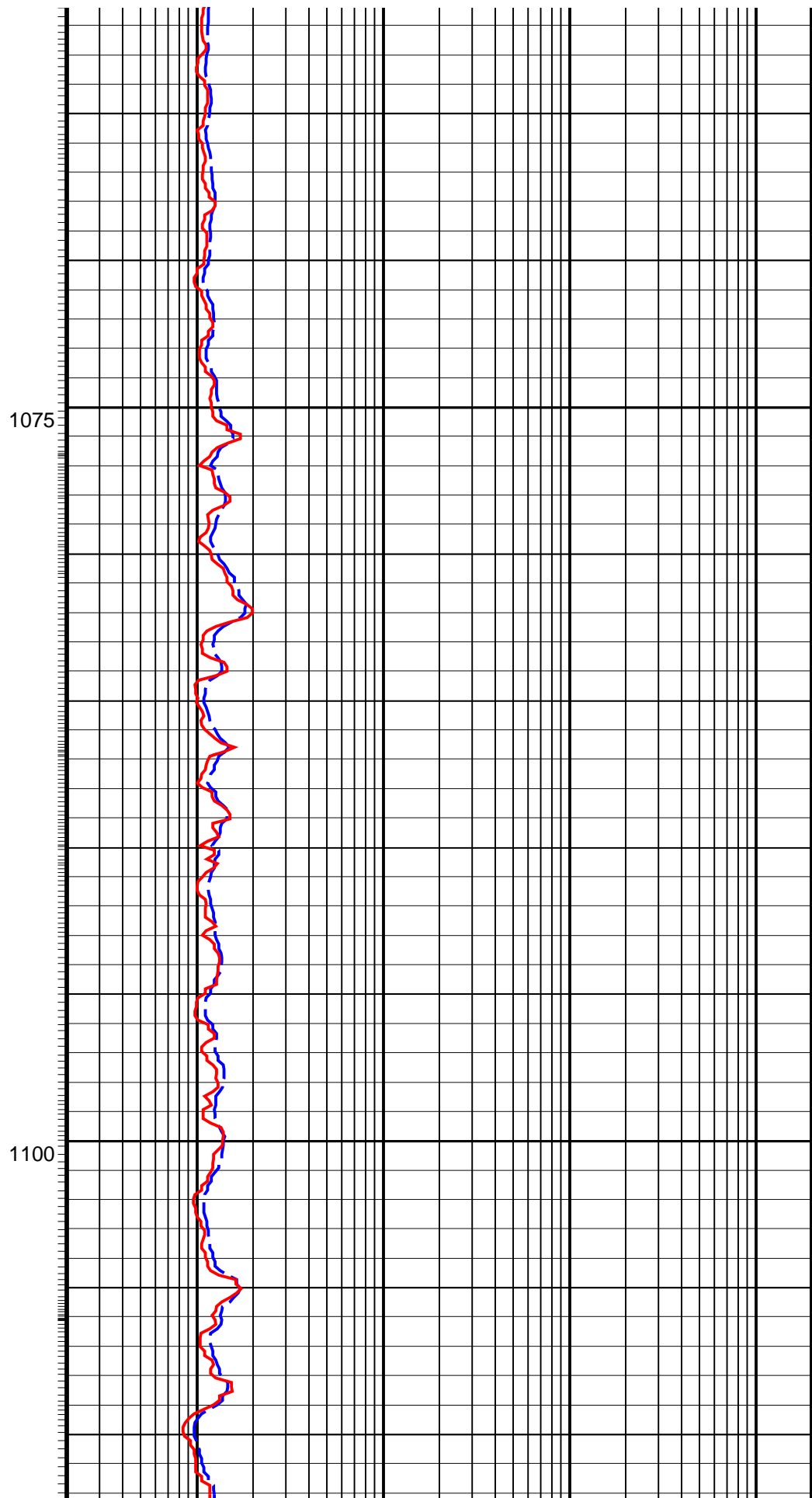
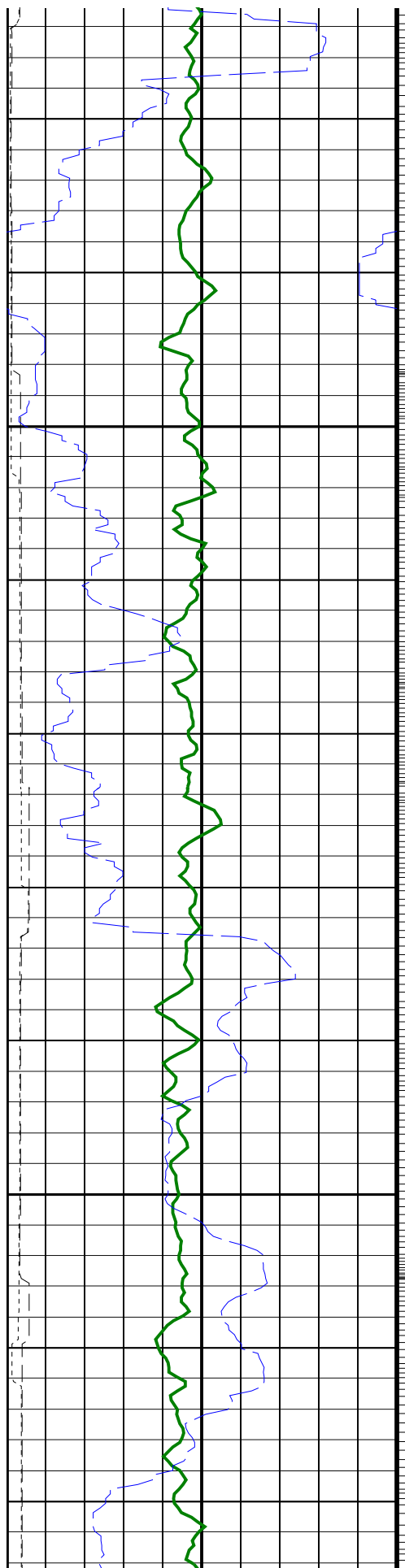


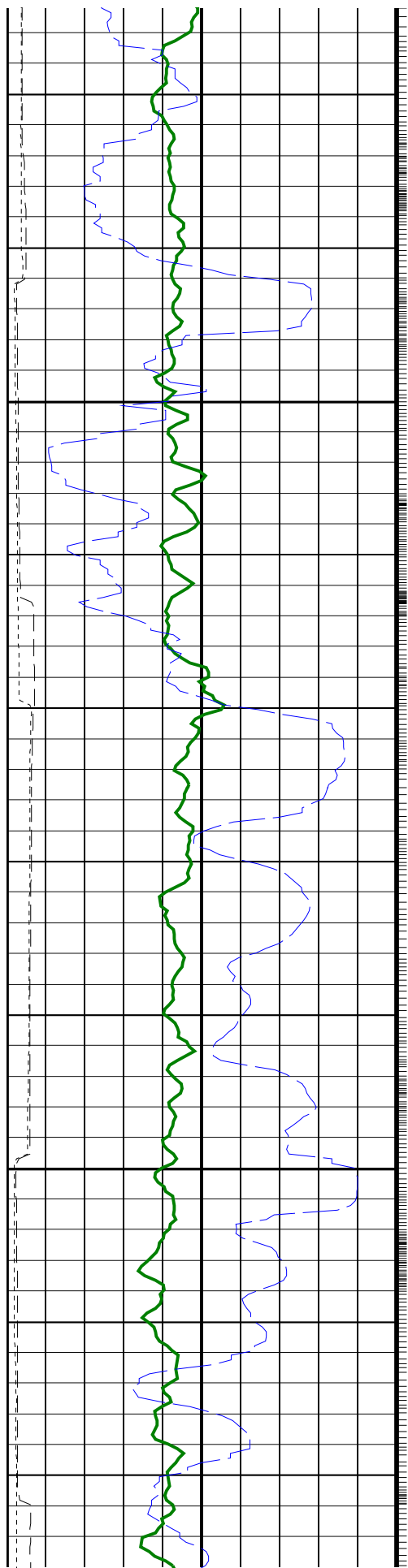
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1000



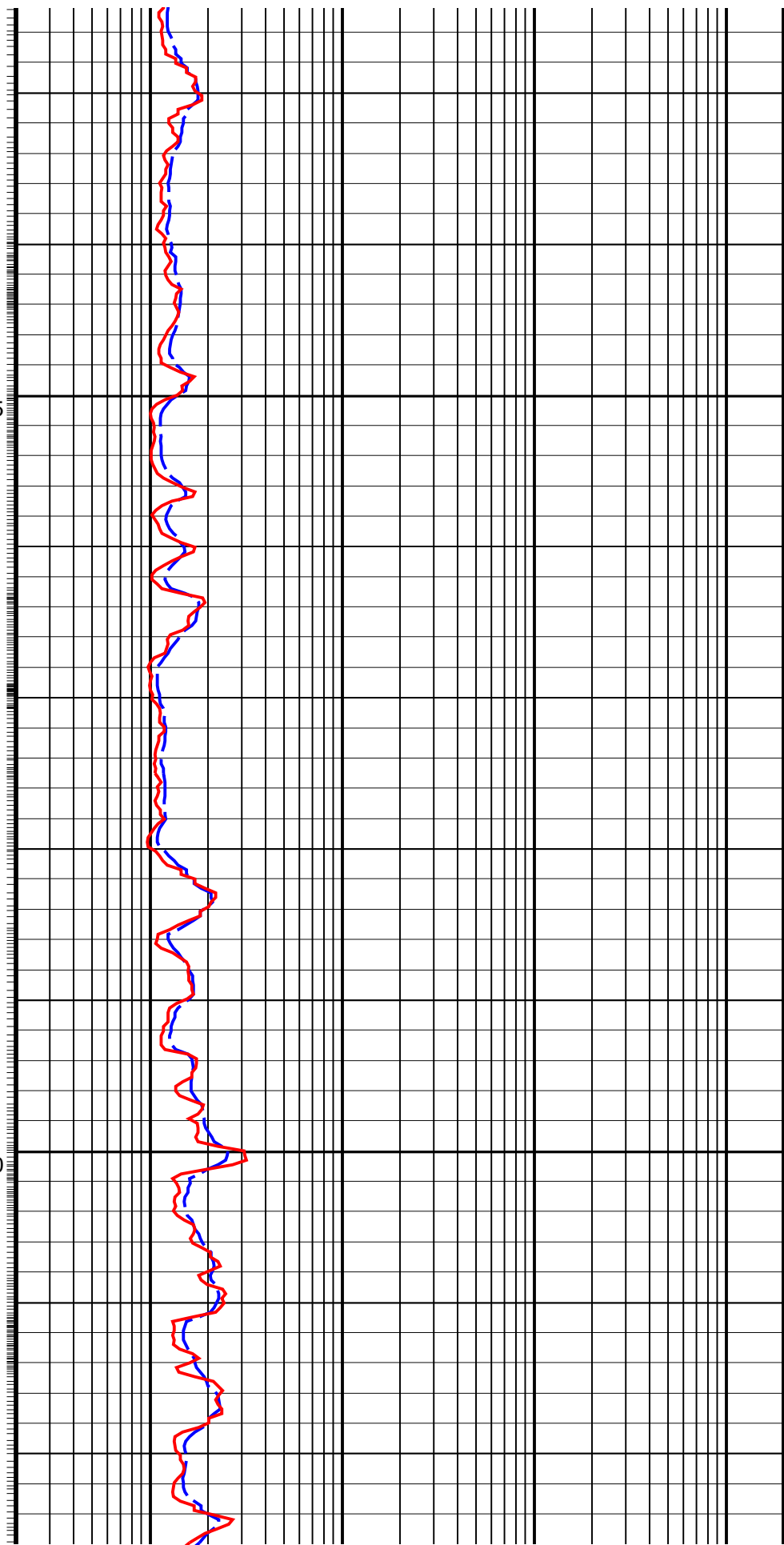


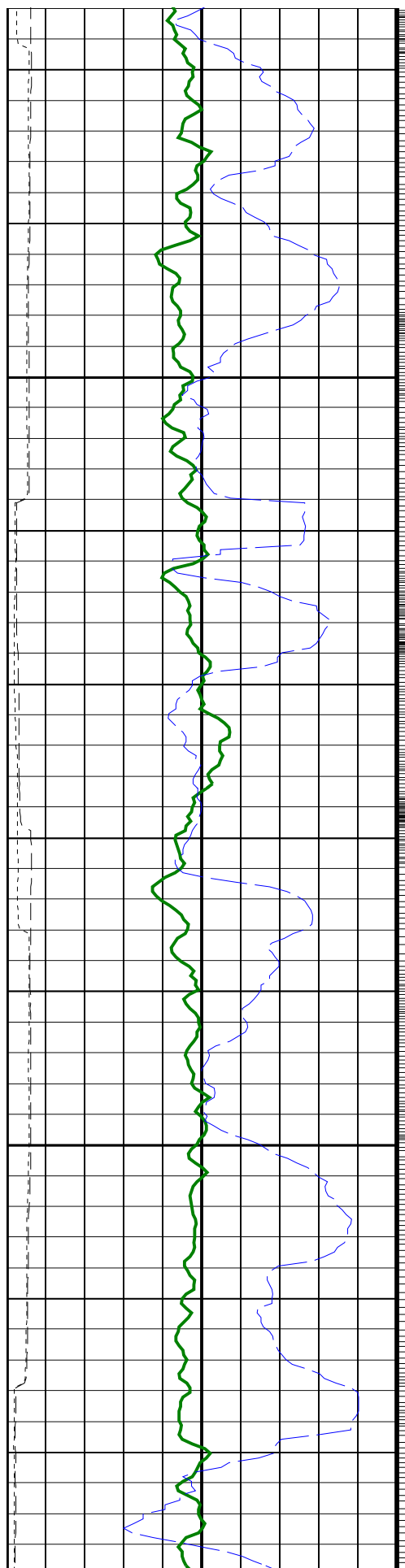




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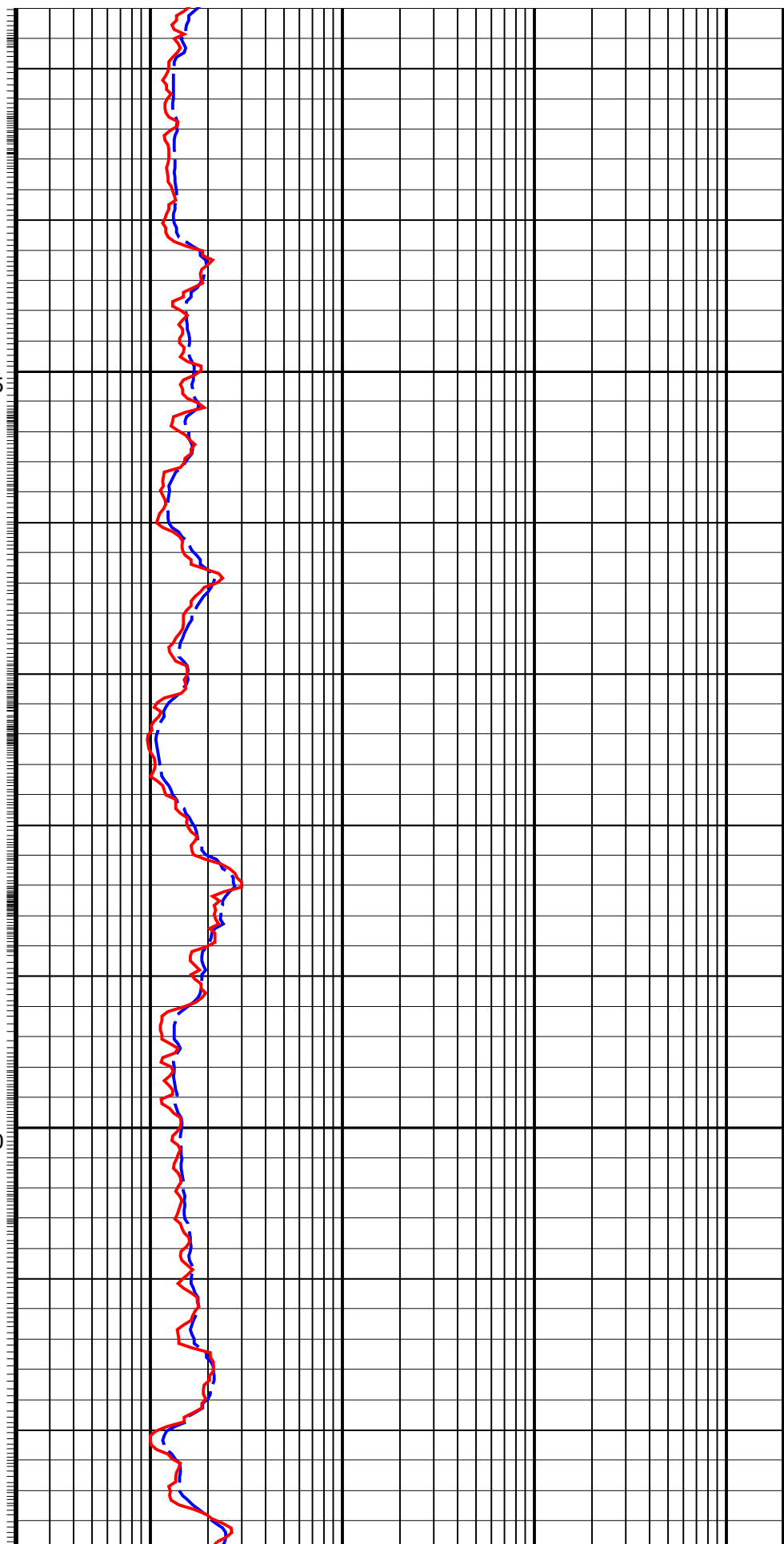
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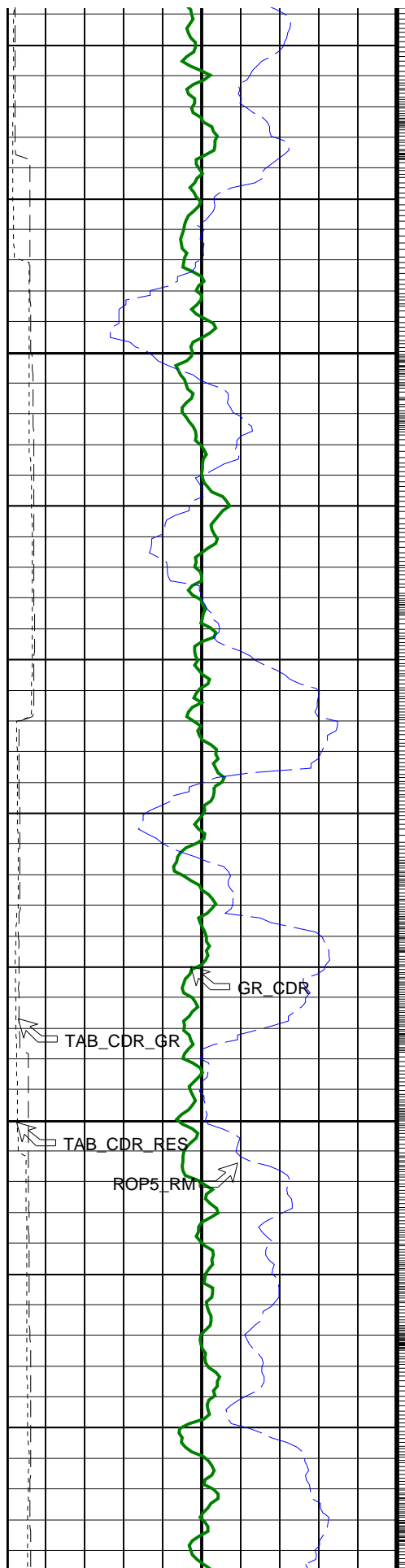




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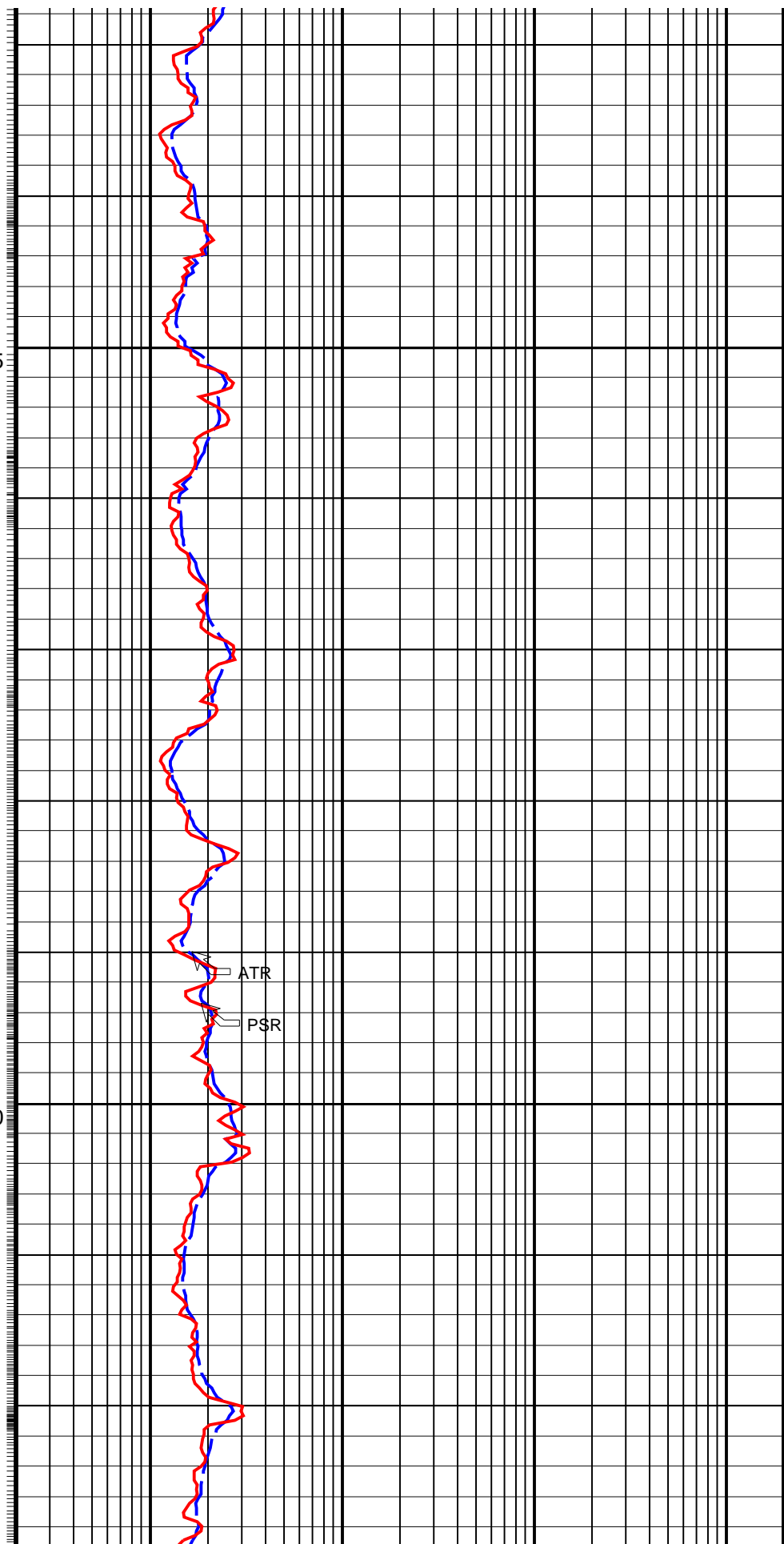
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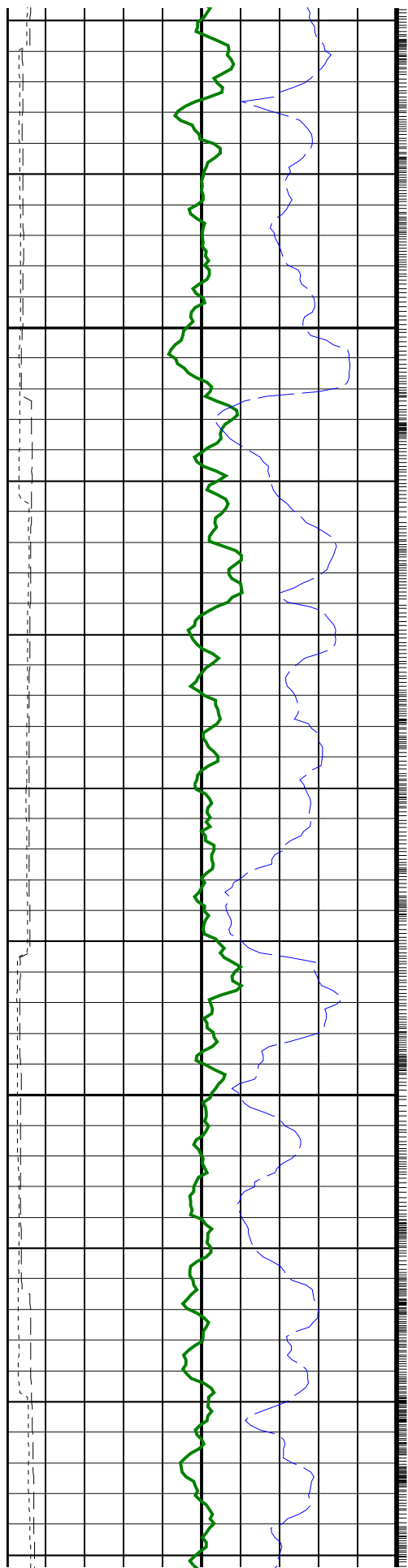




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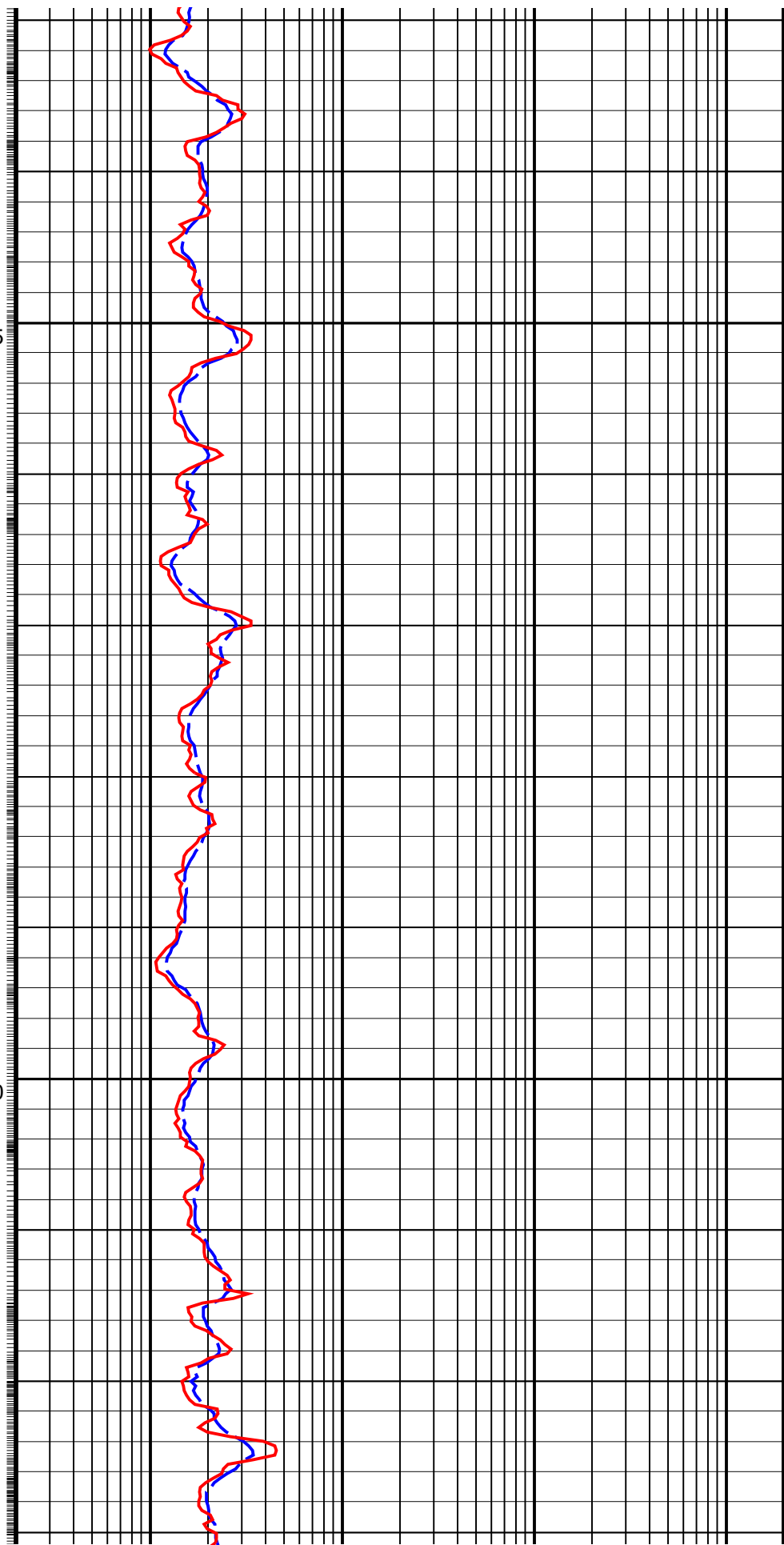
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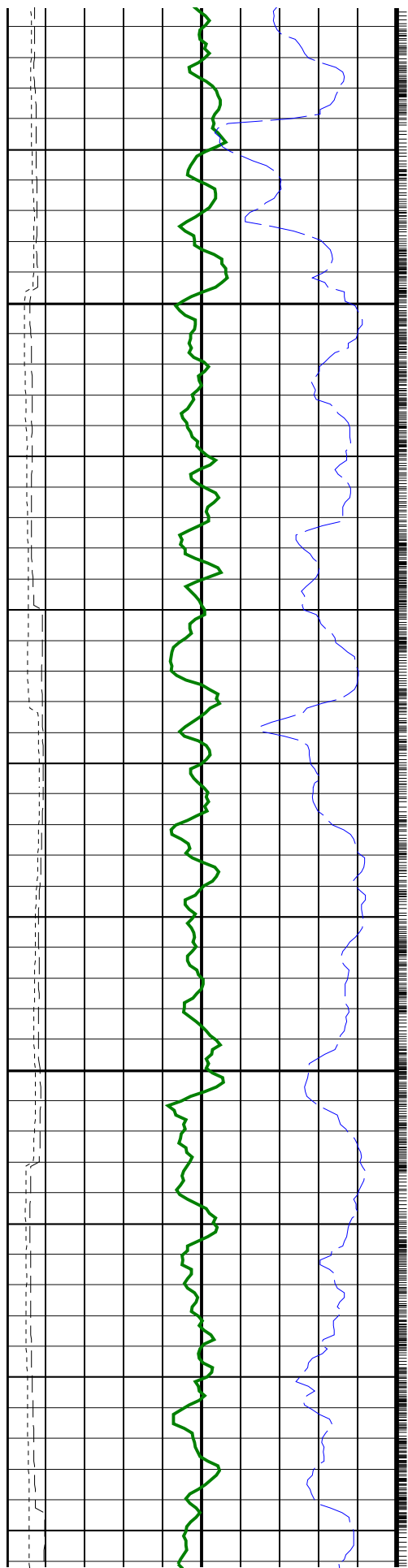




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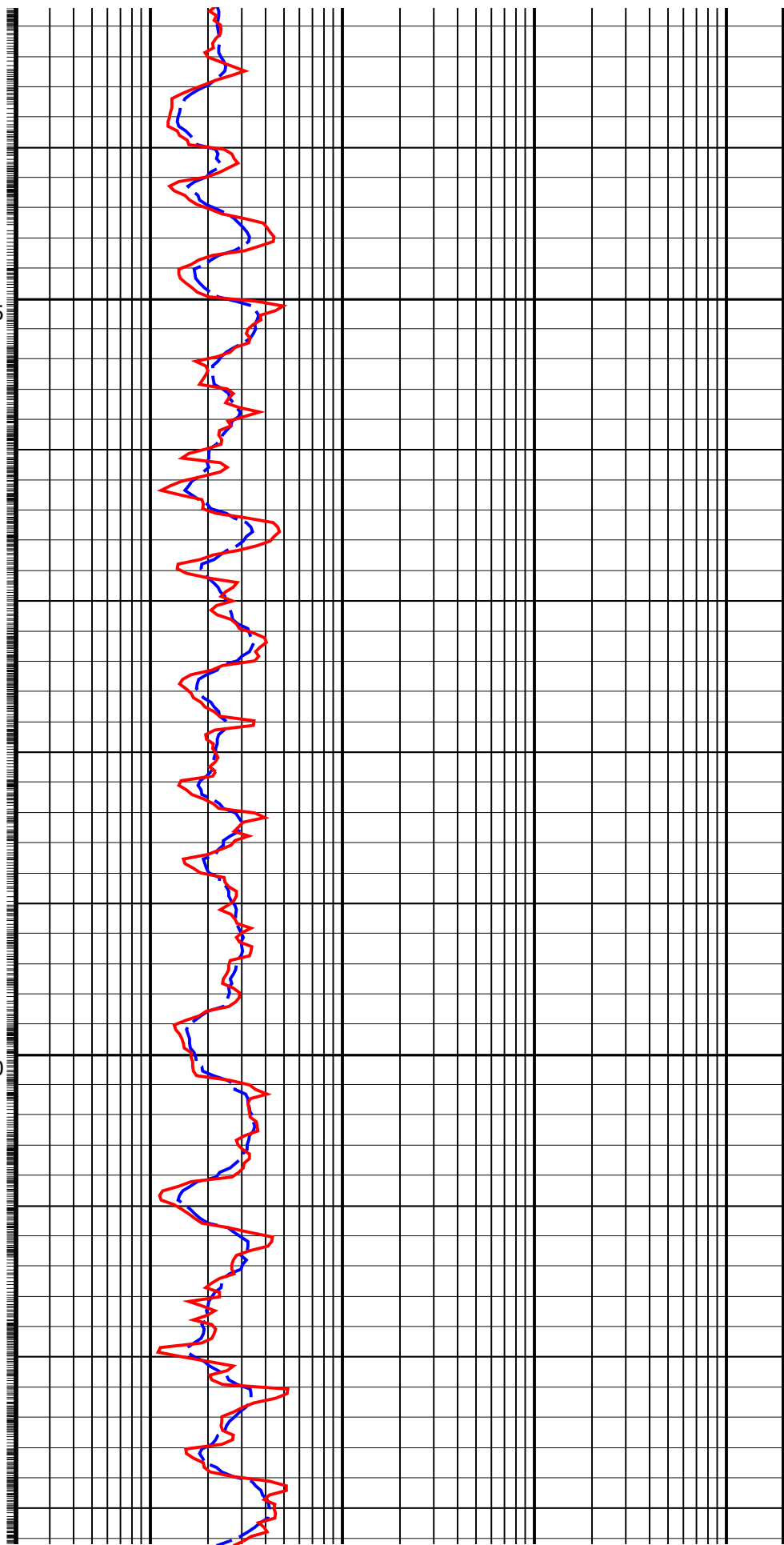
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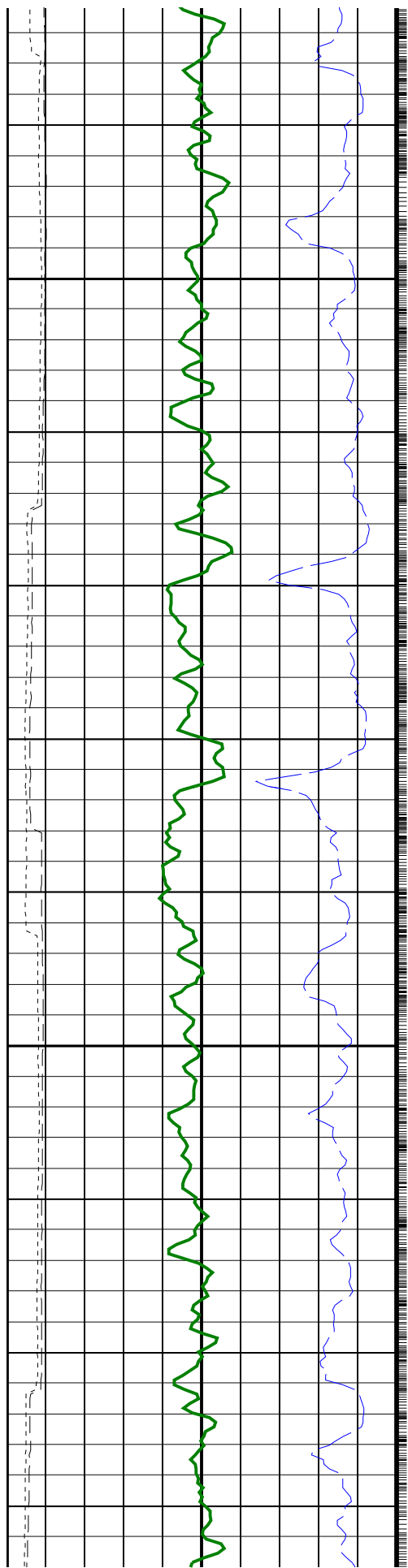




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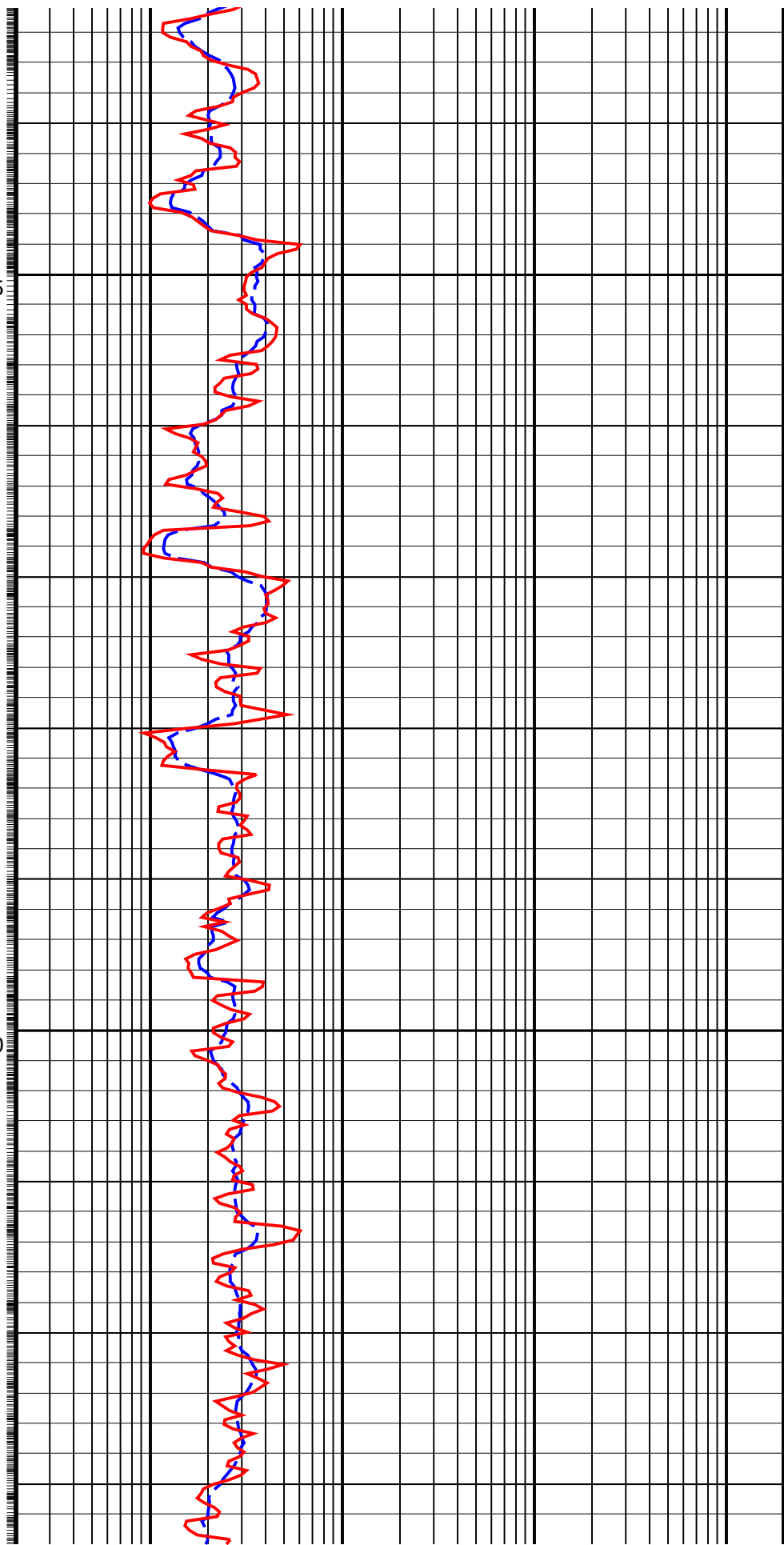
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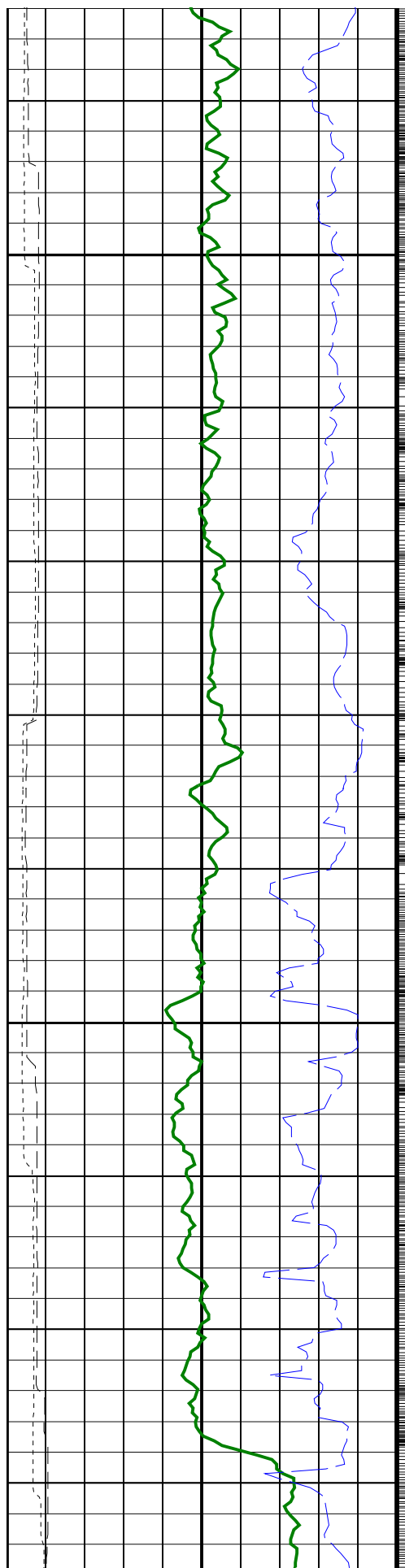




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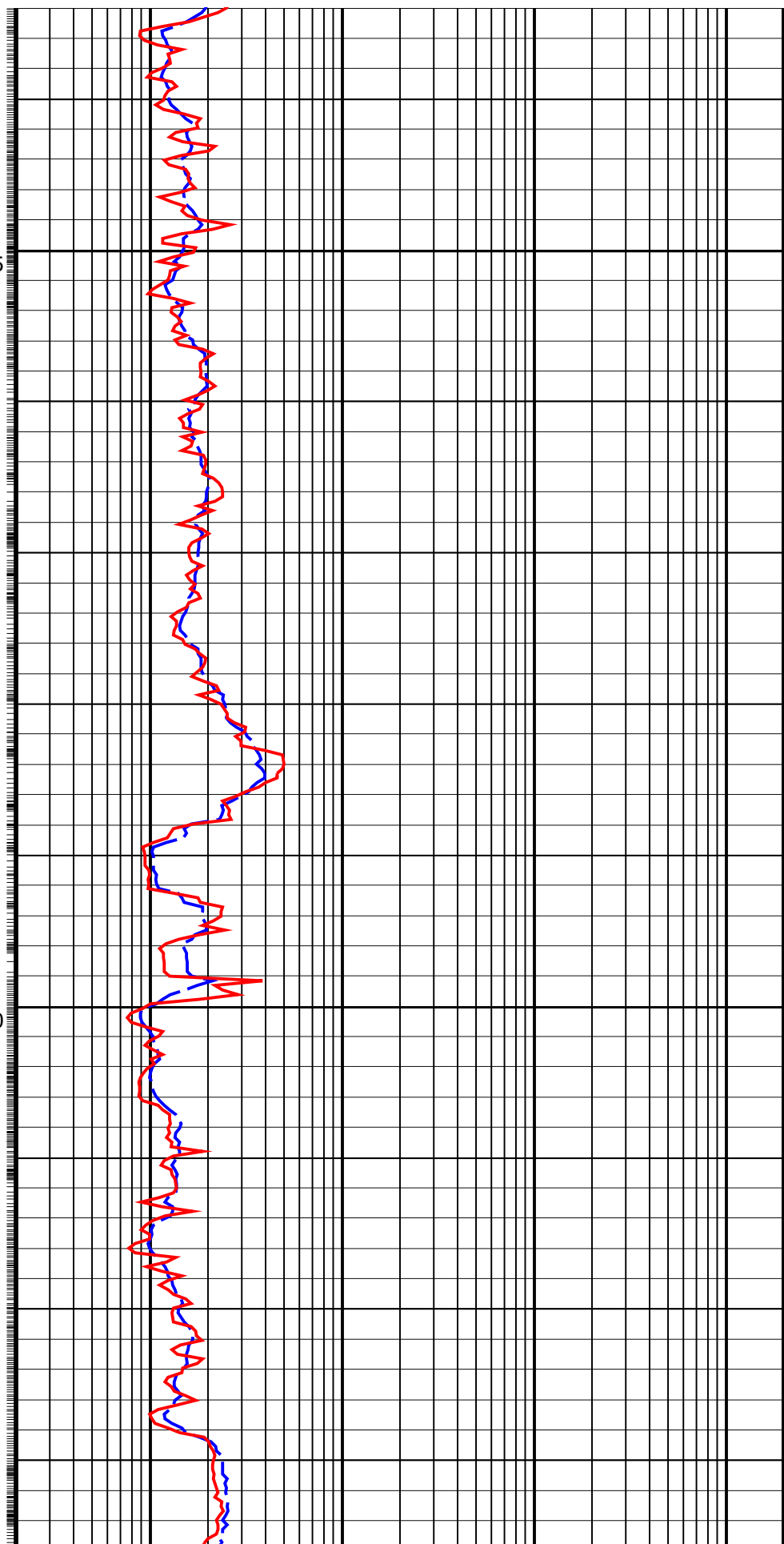
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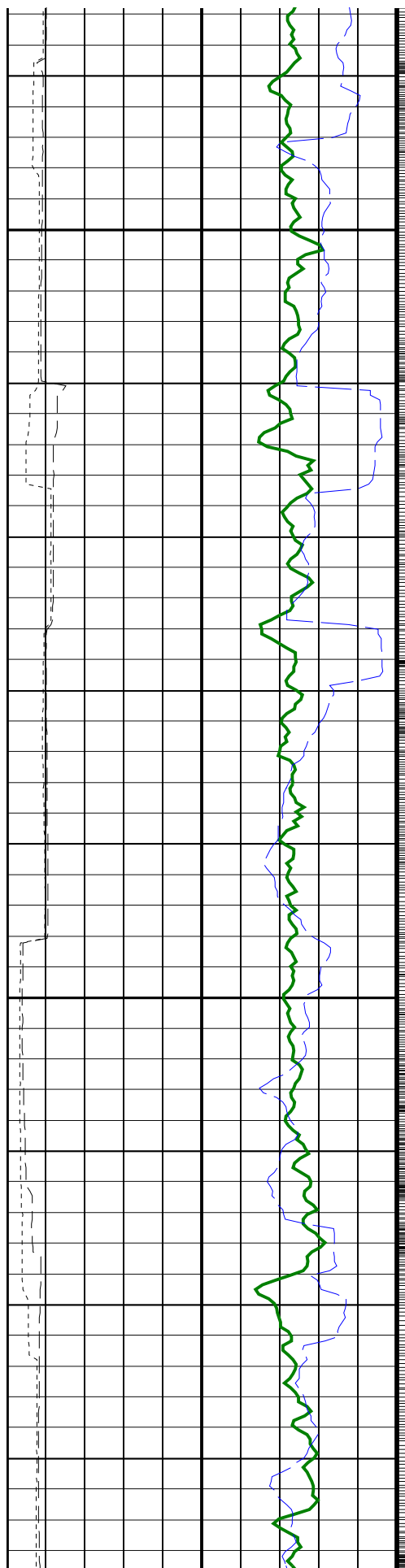




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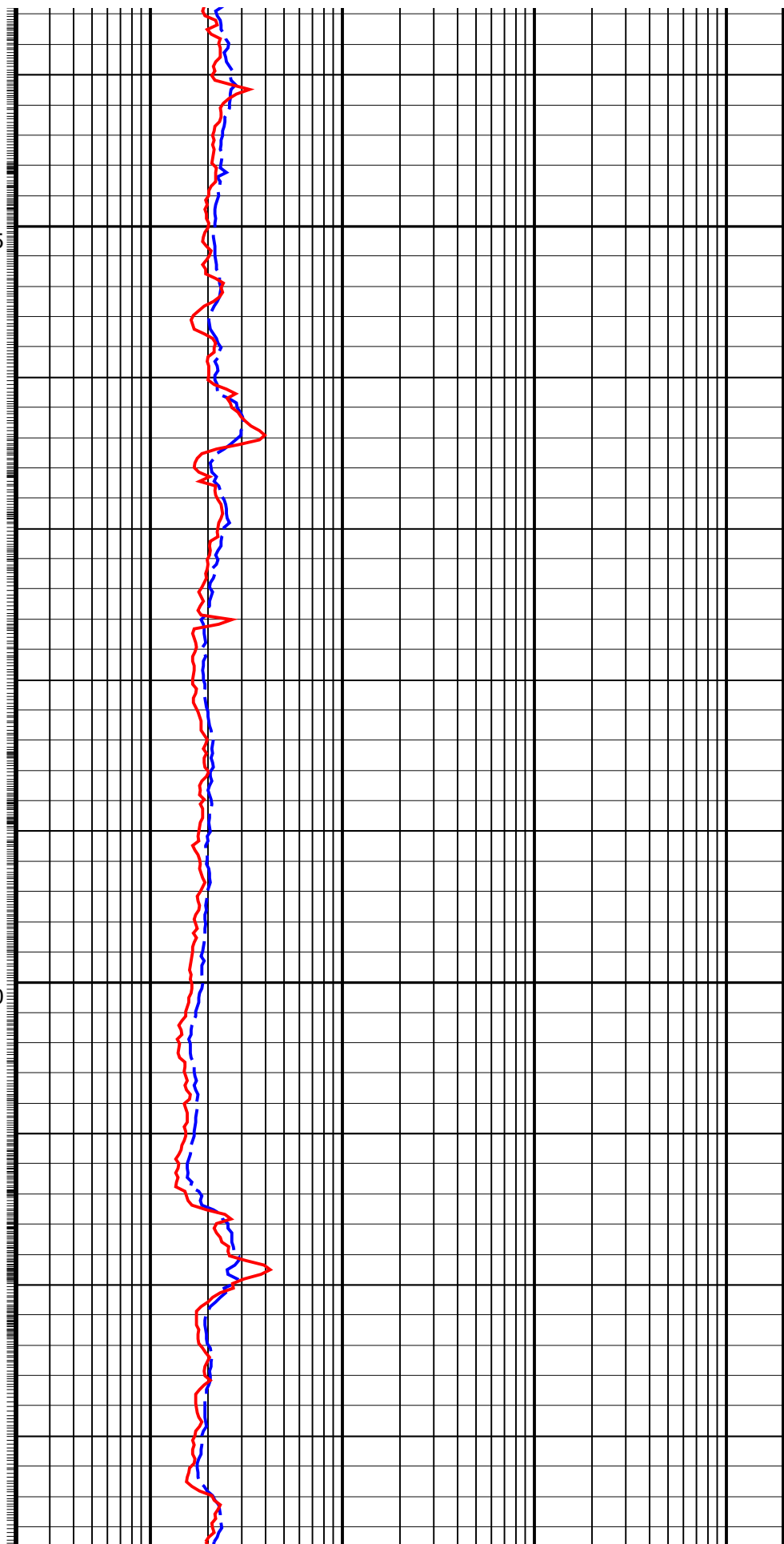
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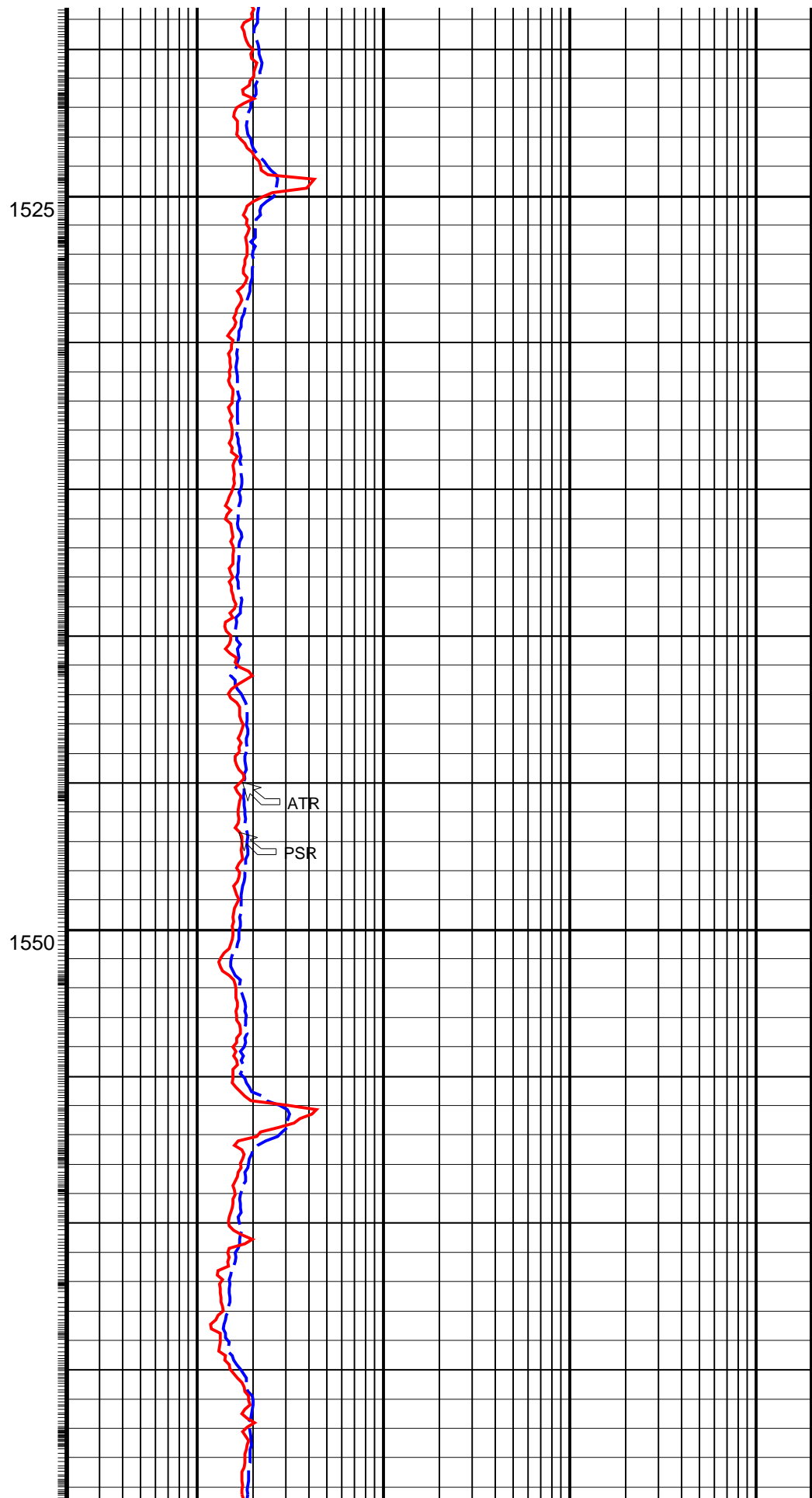
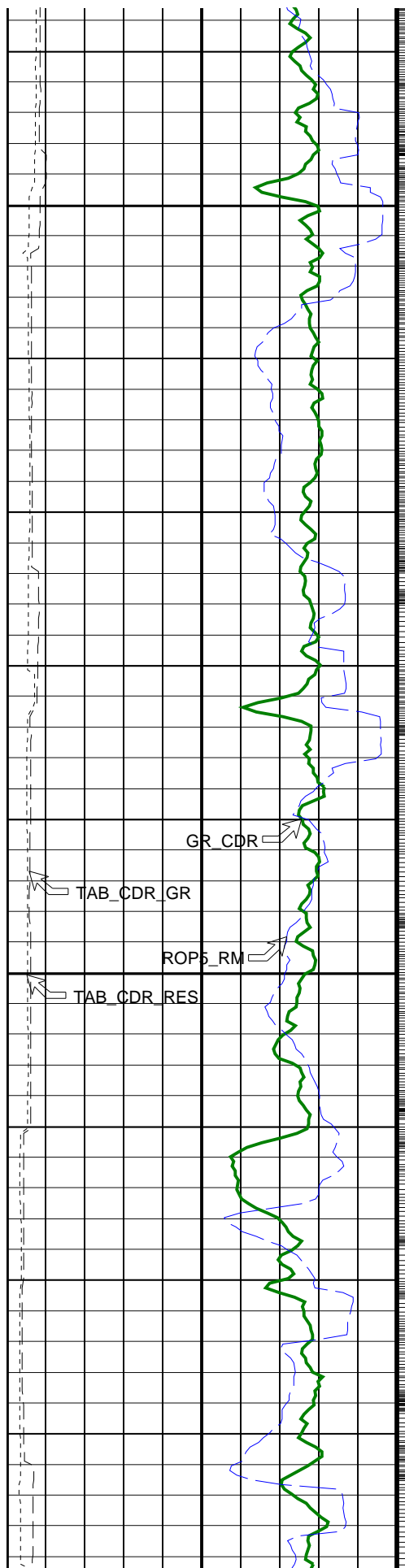


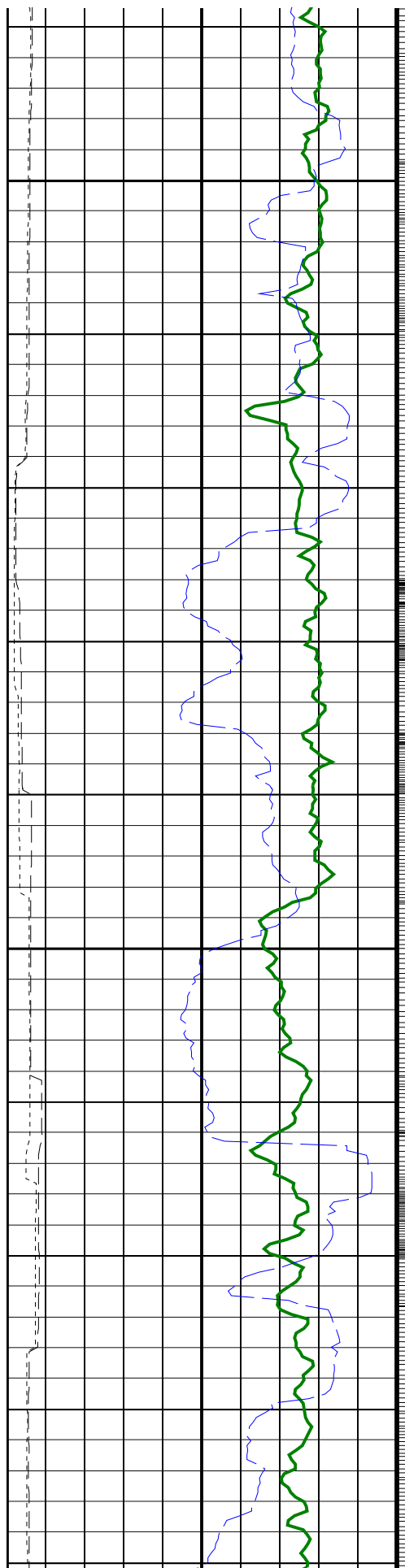


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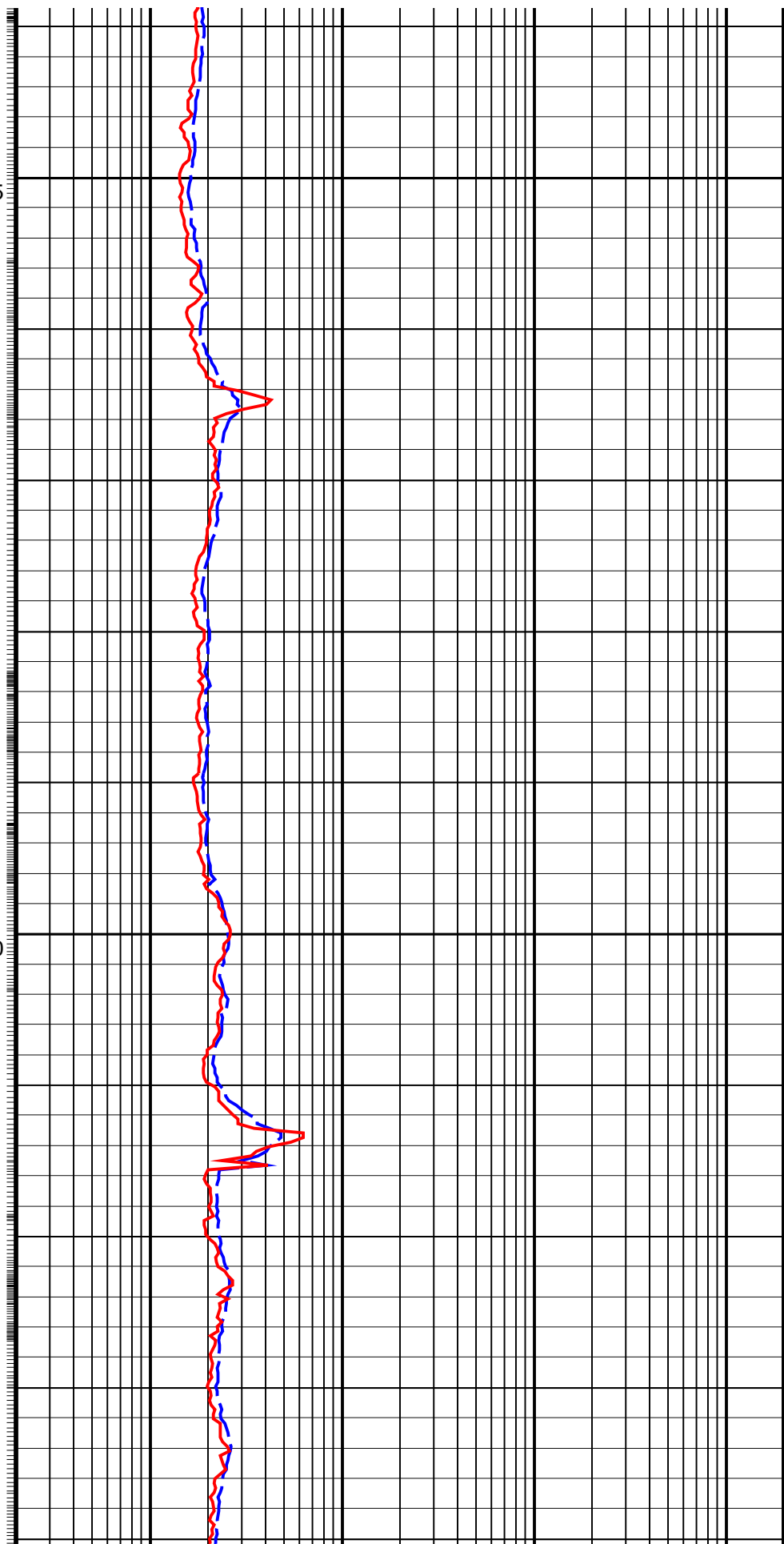


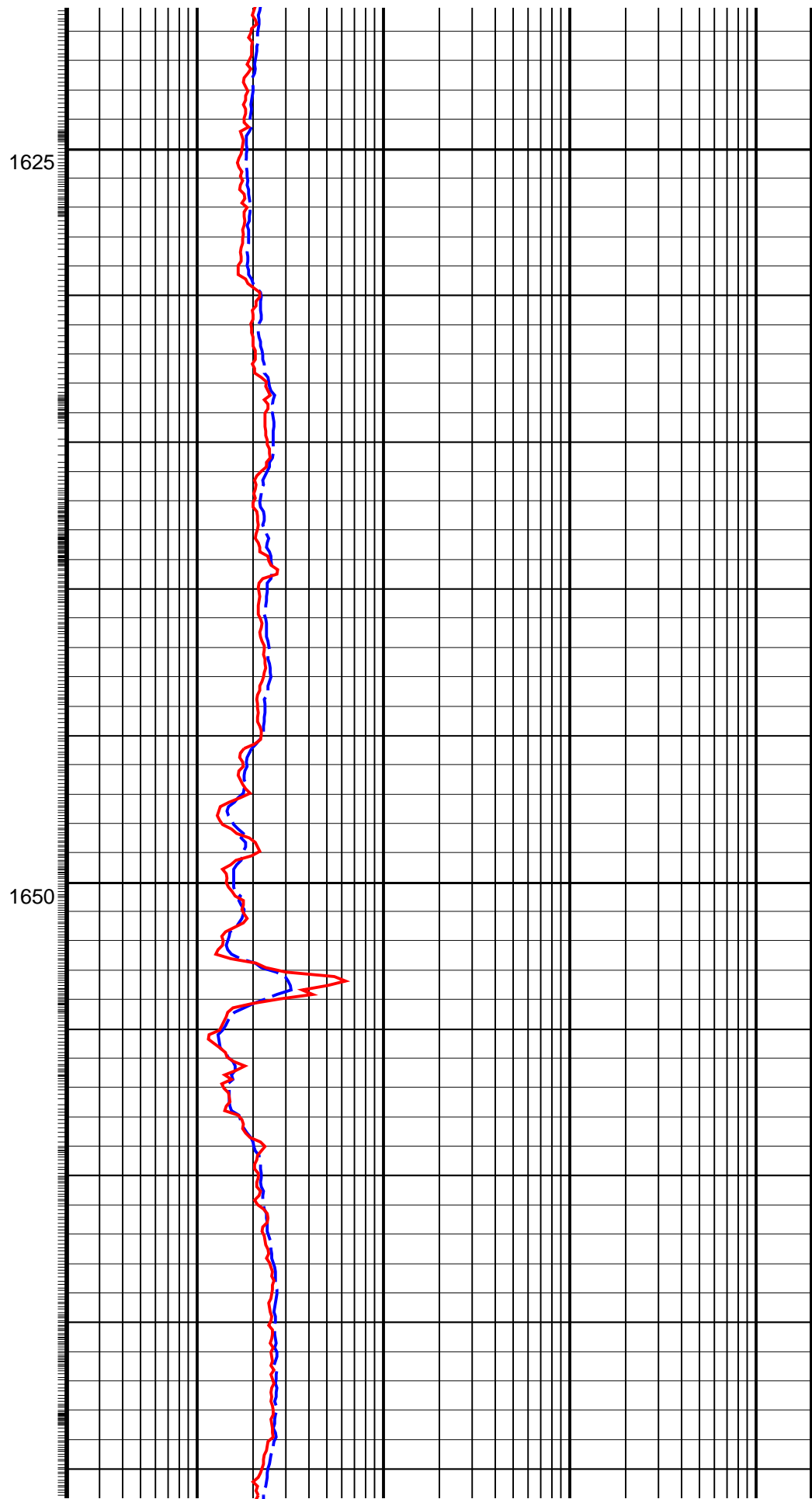
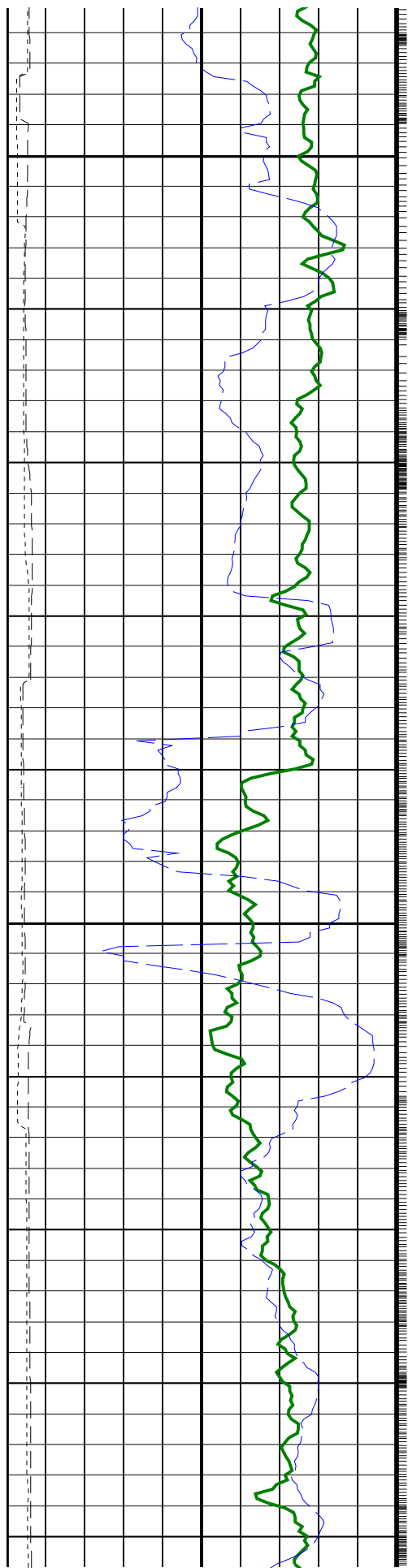


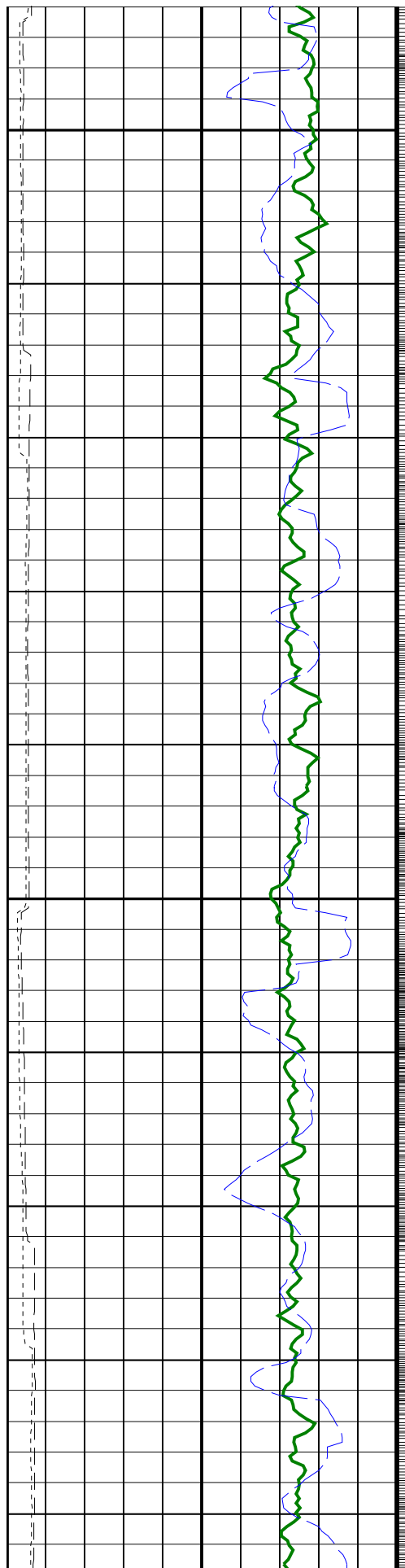


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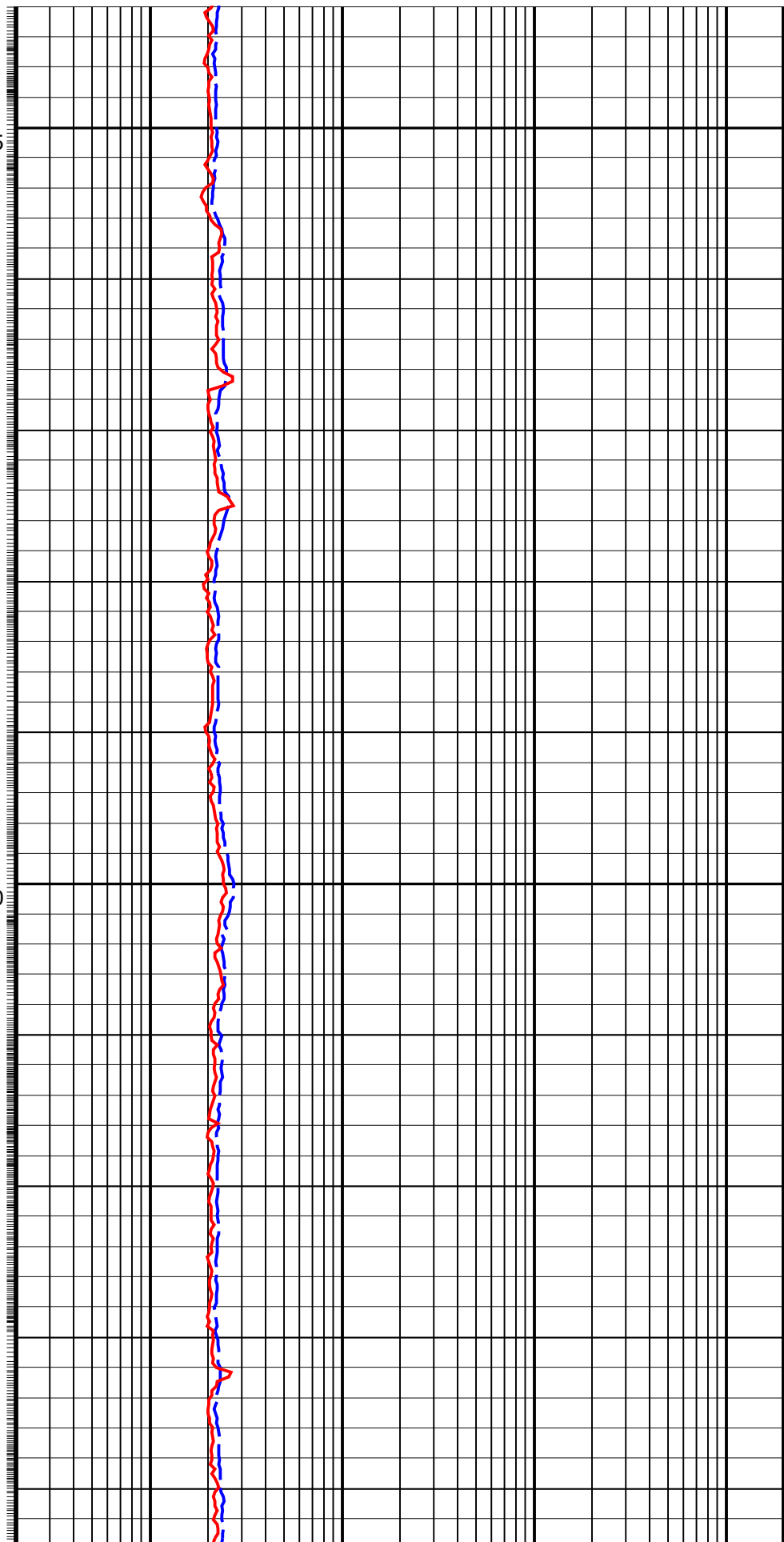


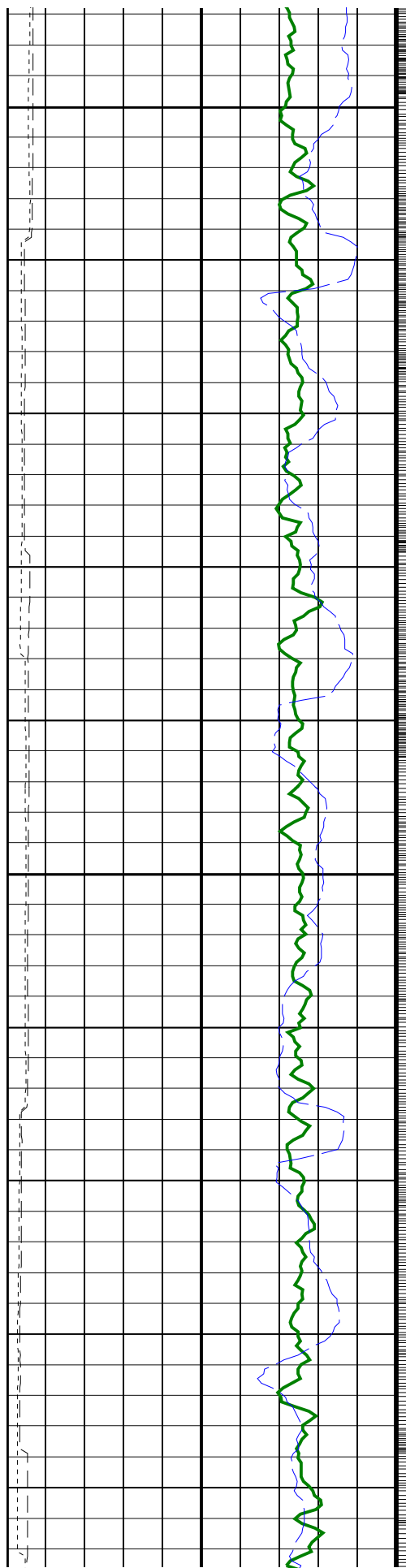




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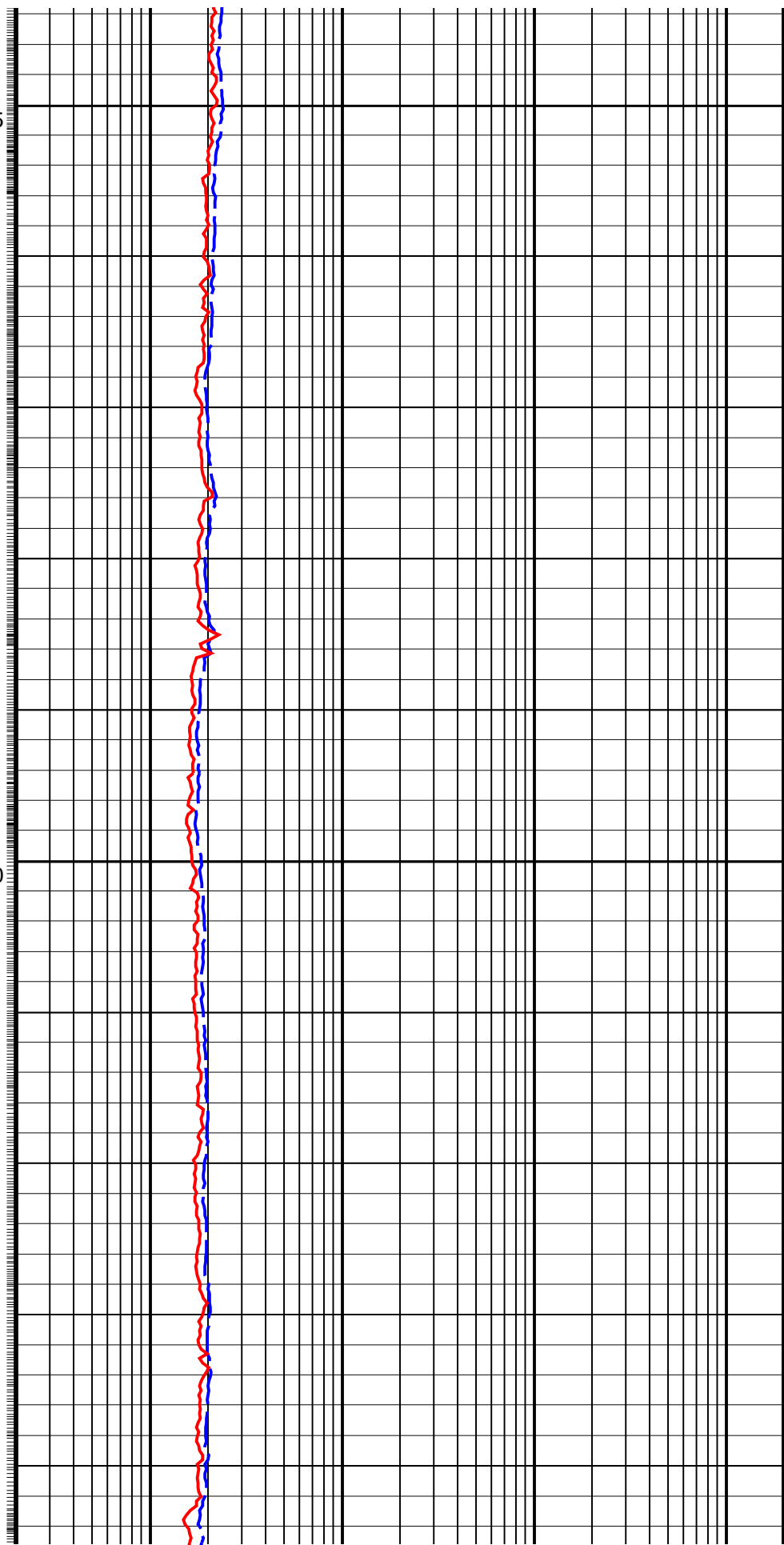
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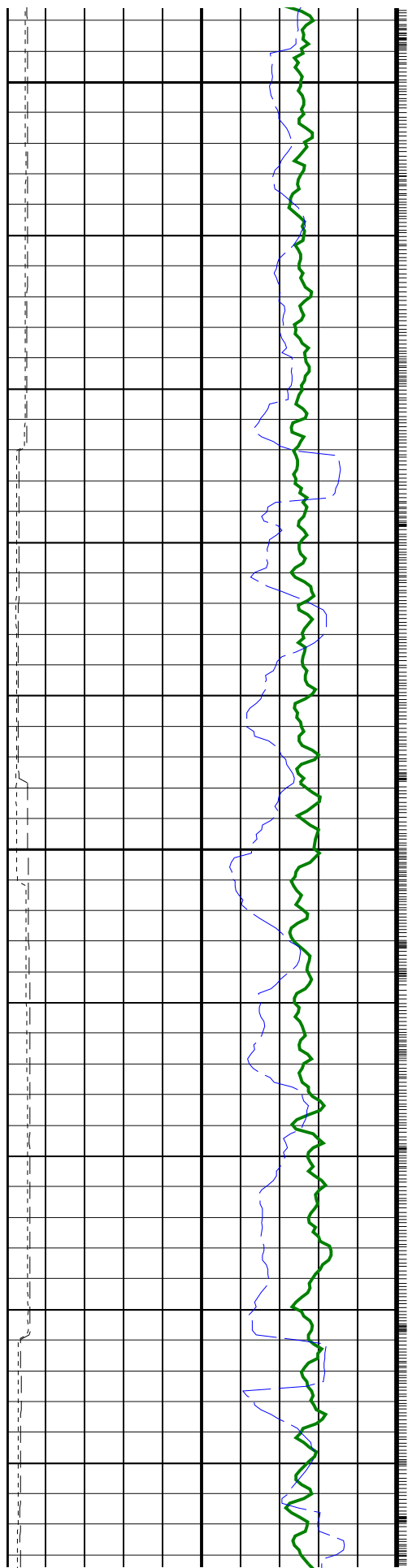




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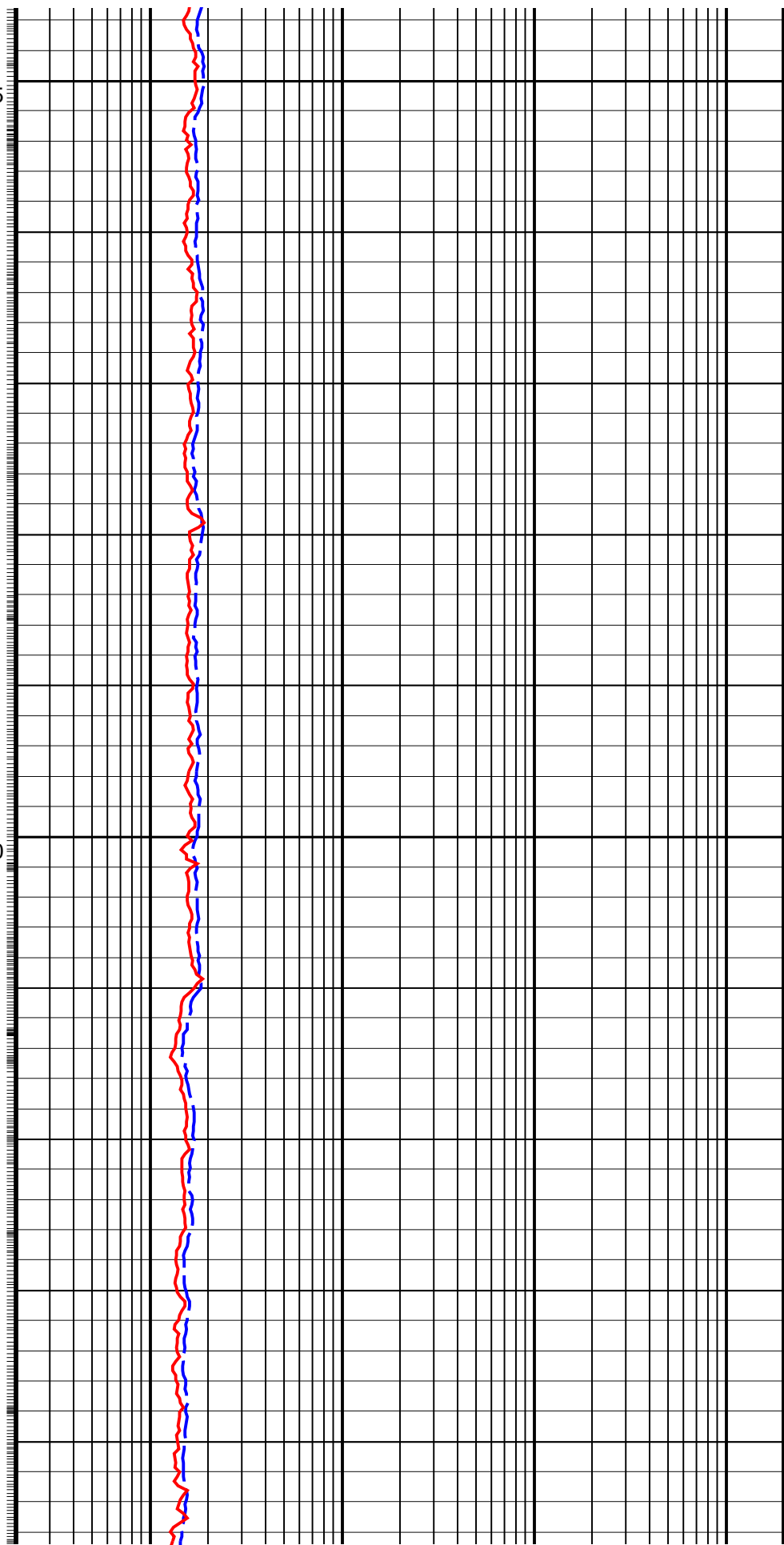
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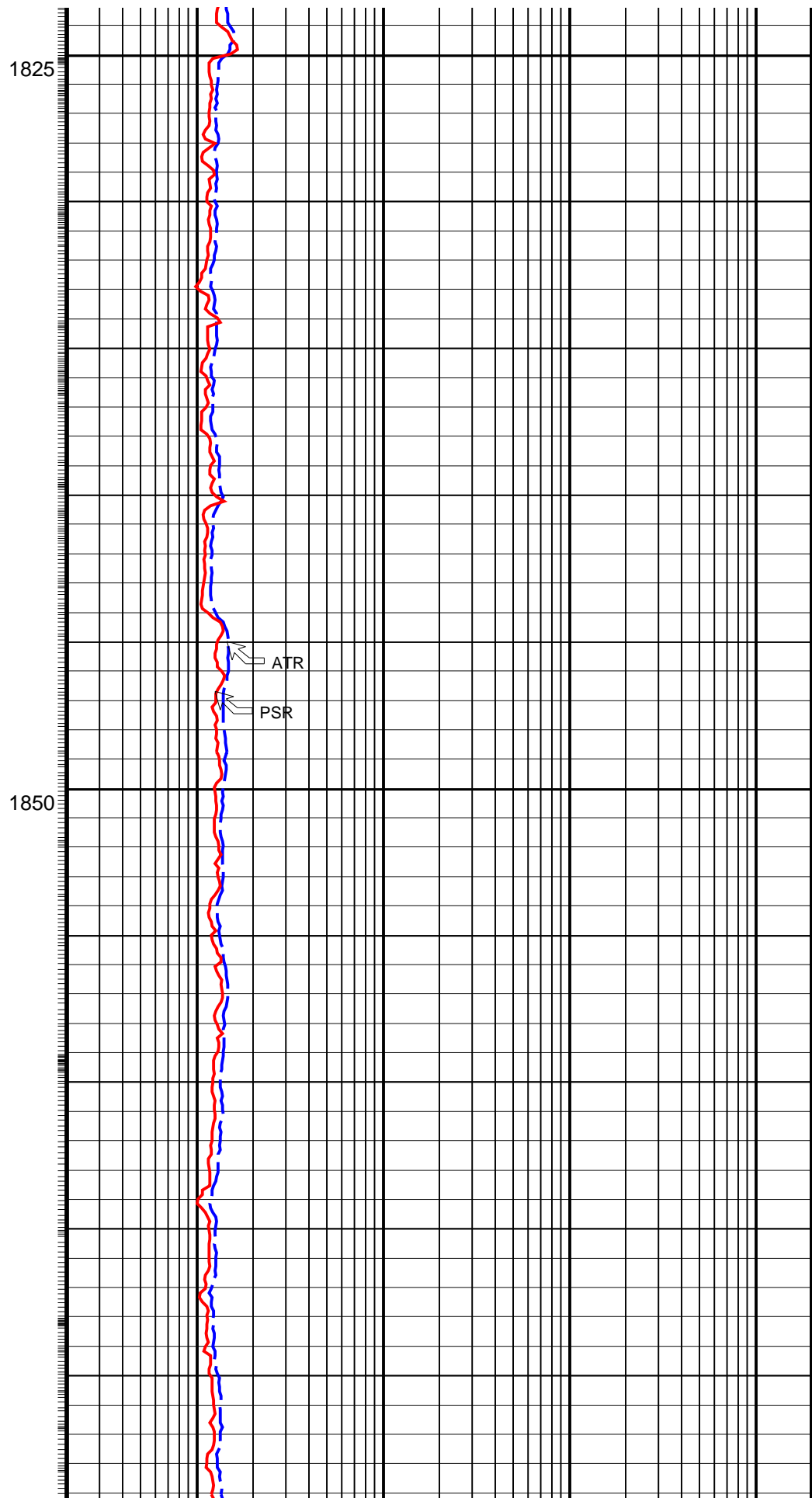
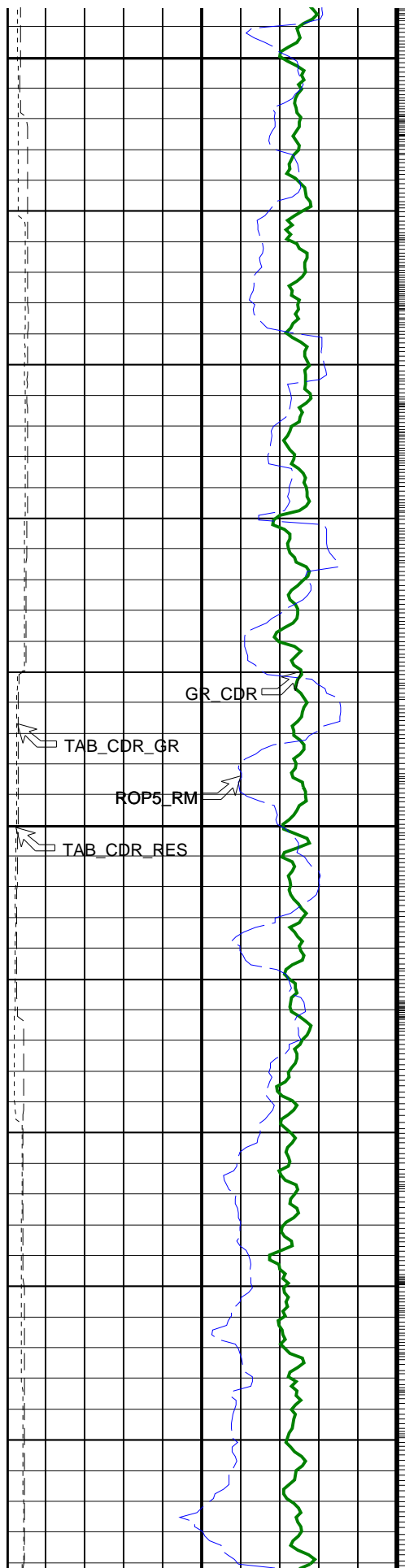


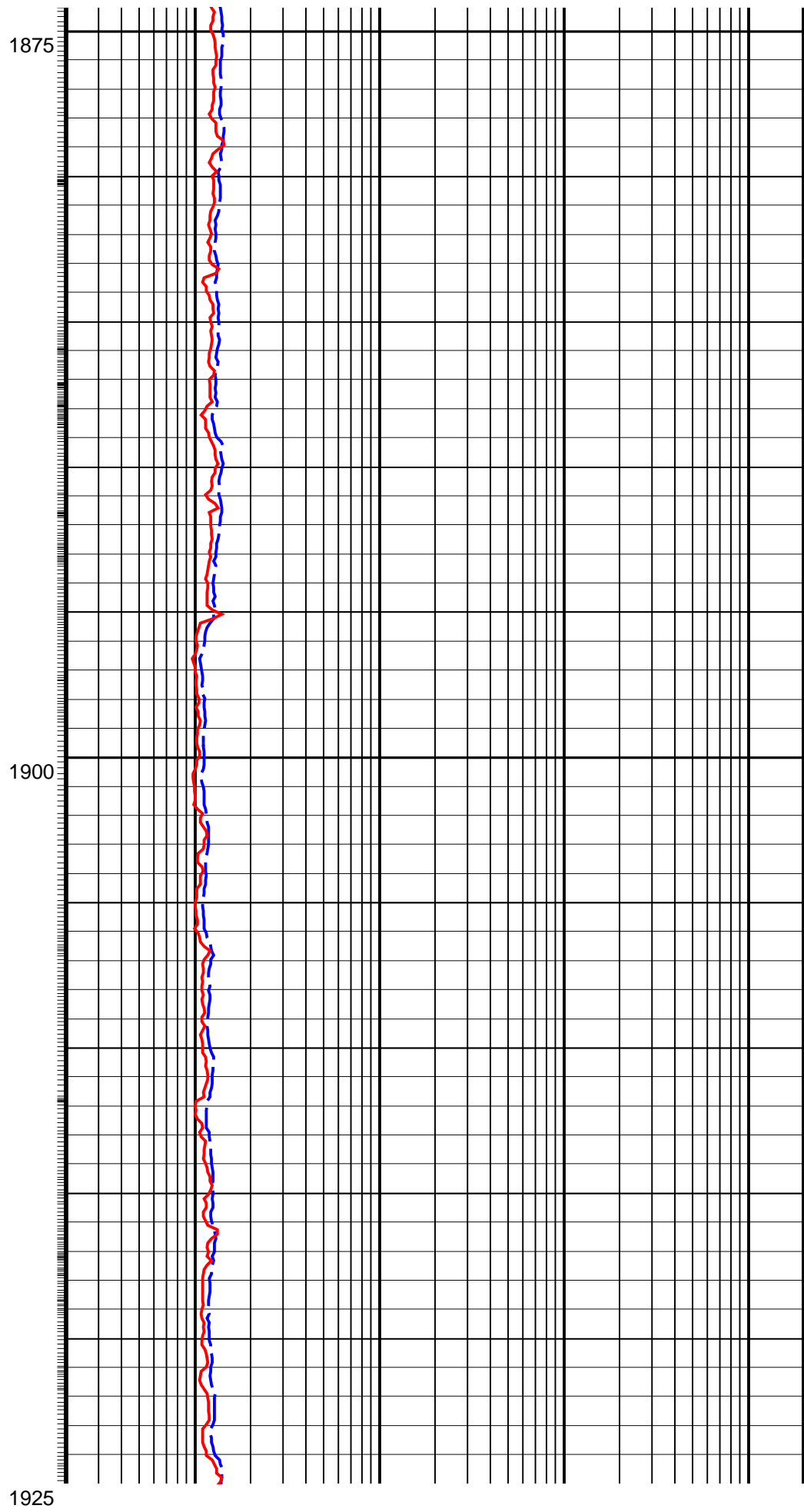
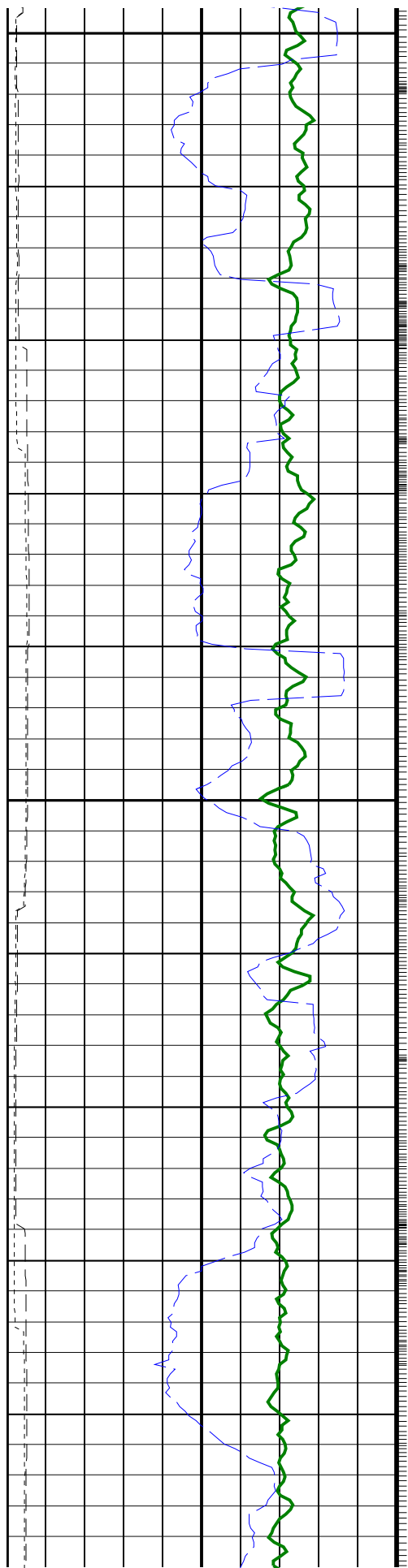


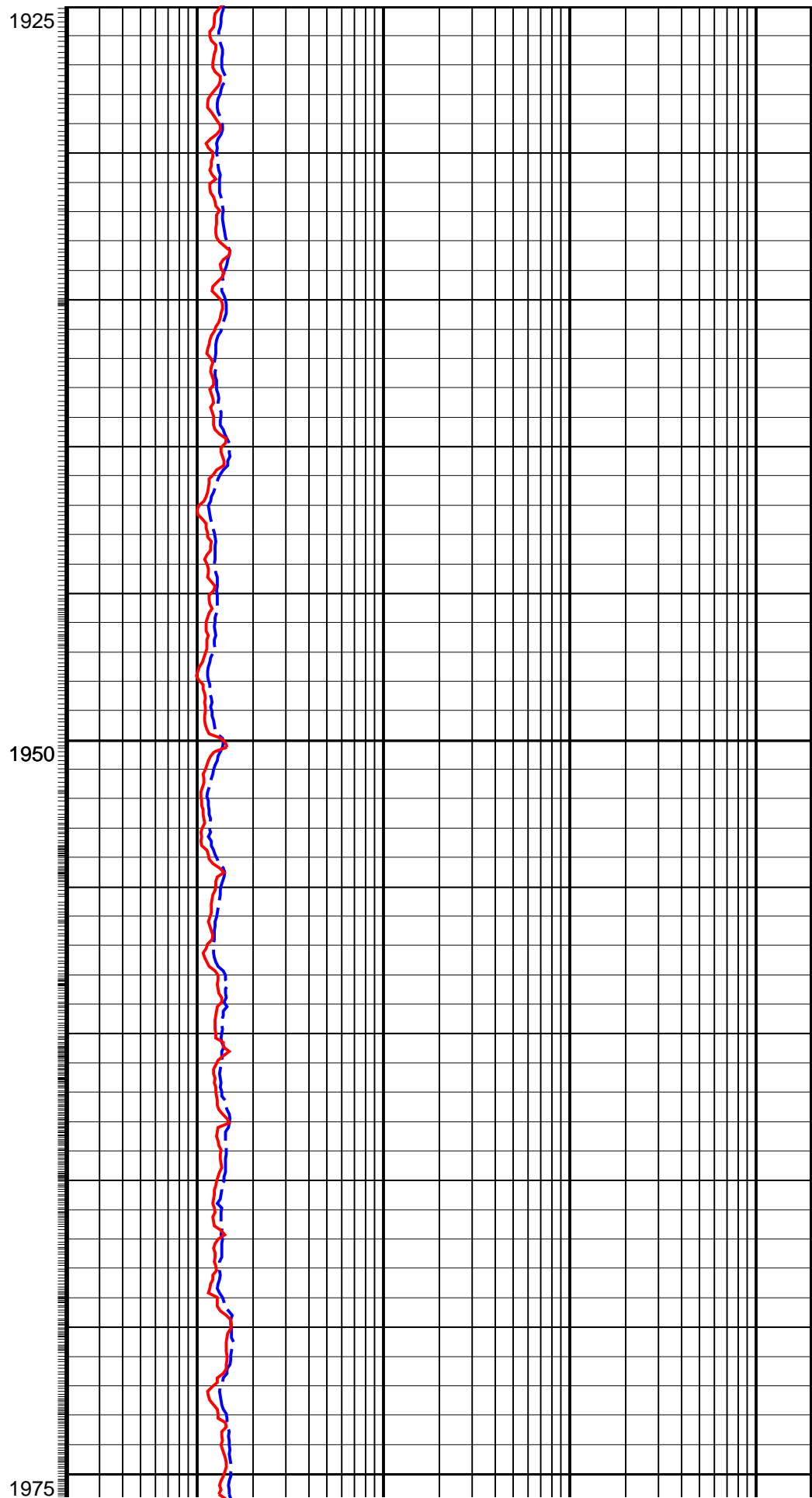
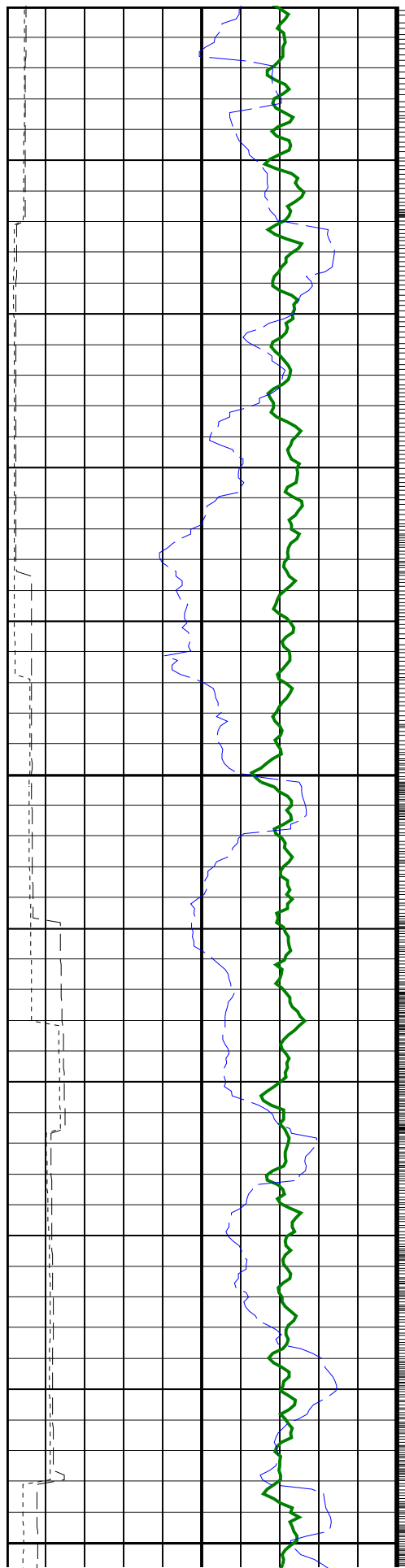
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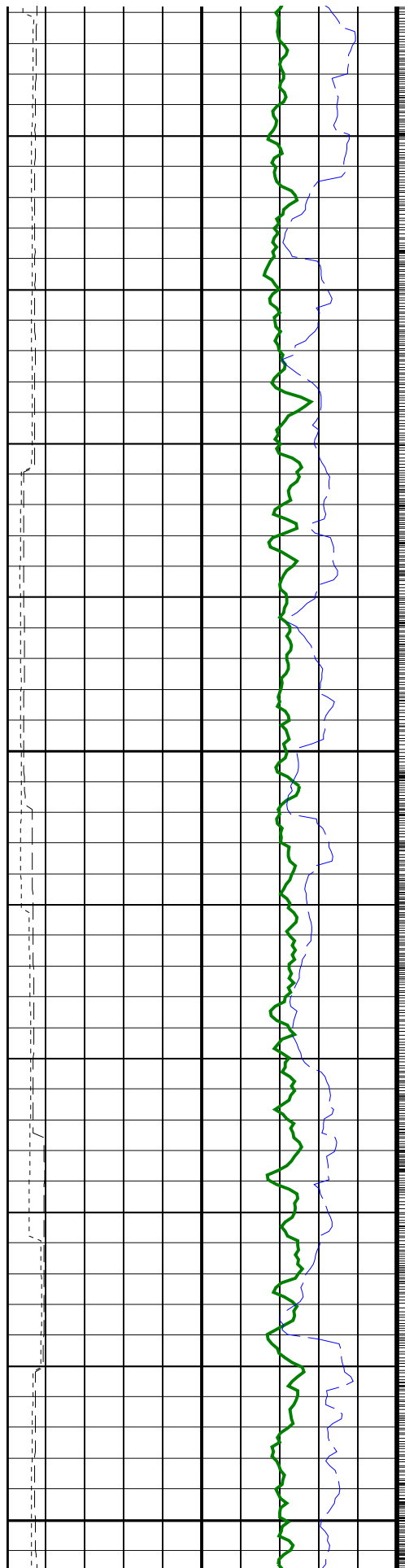
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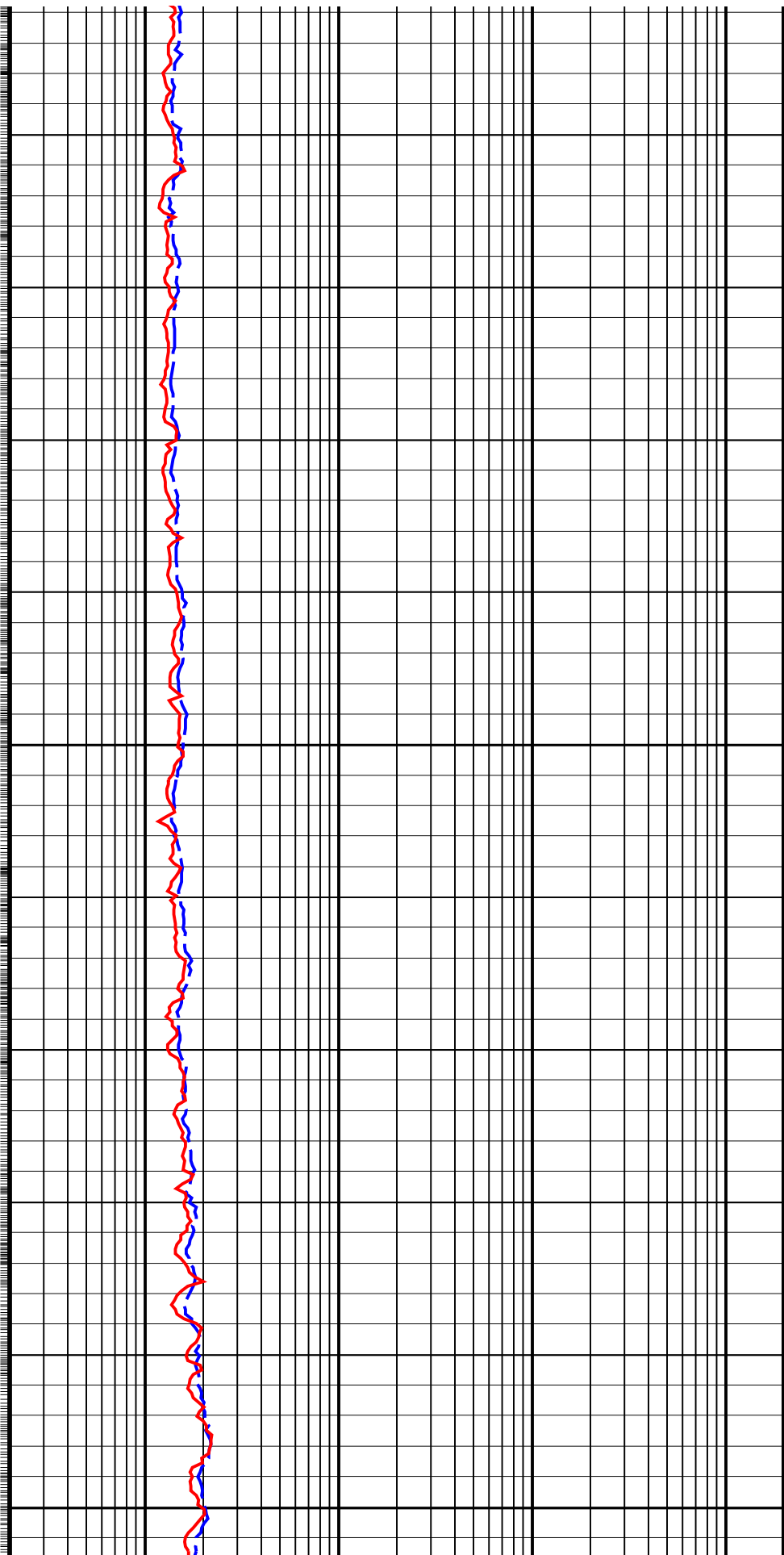


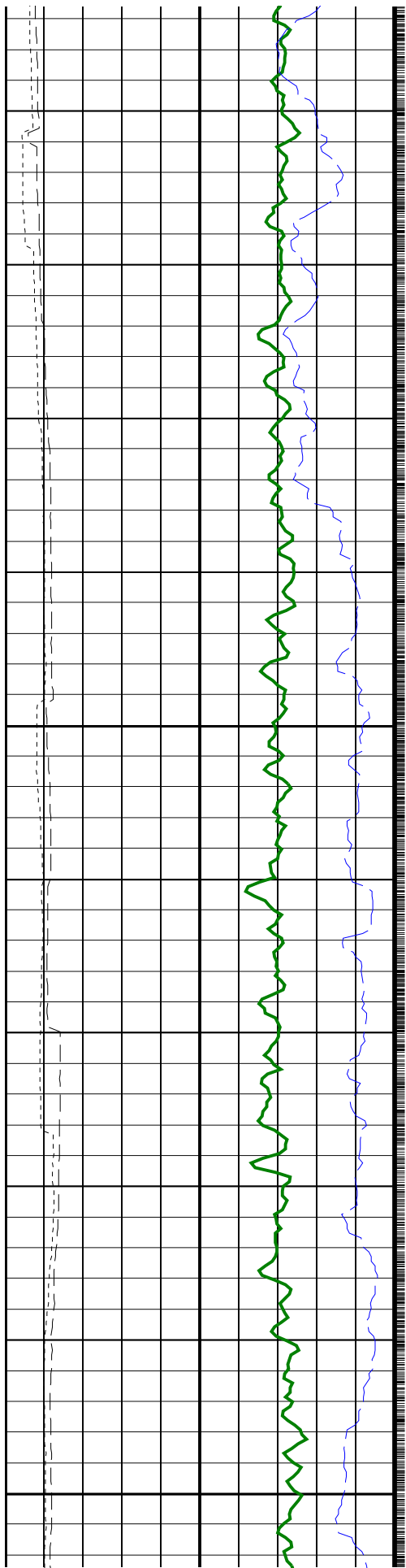


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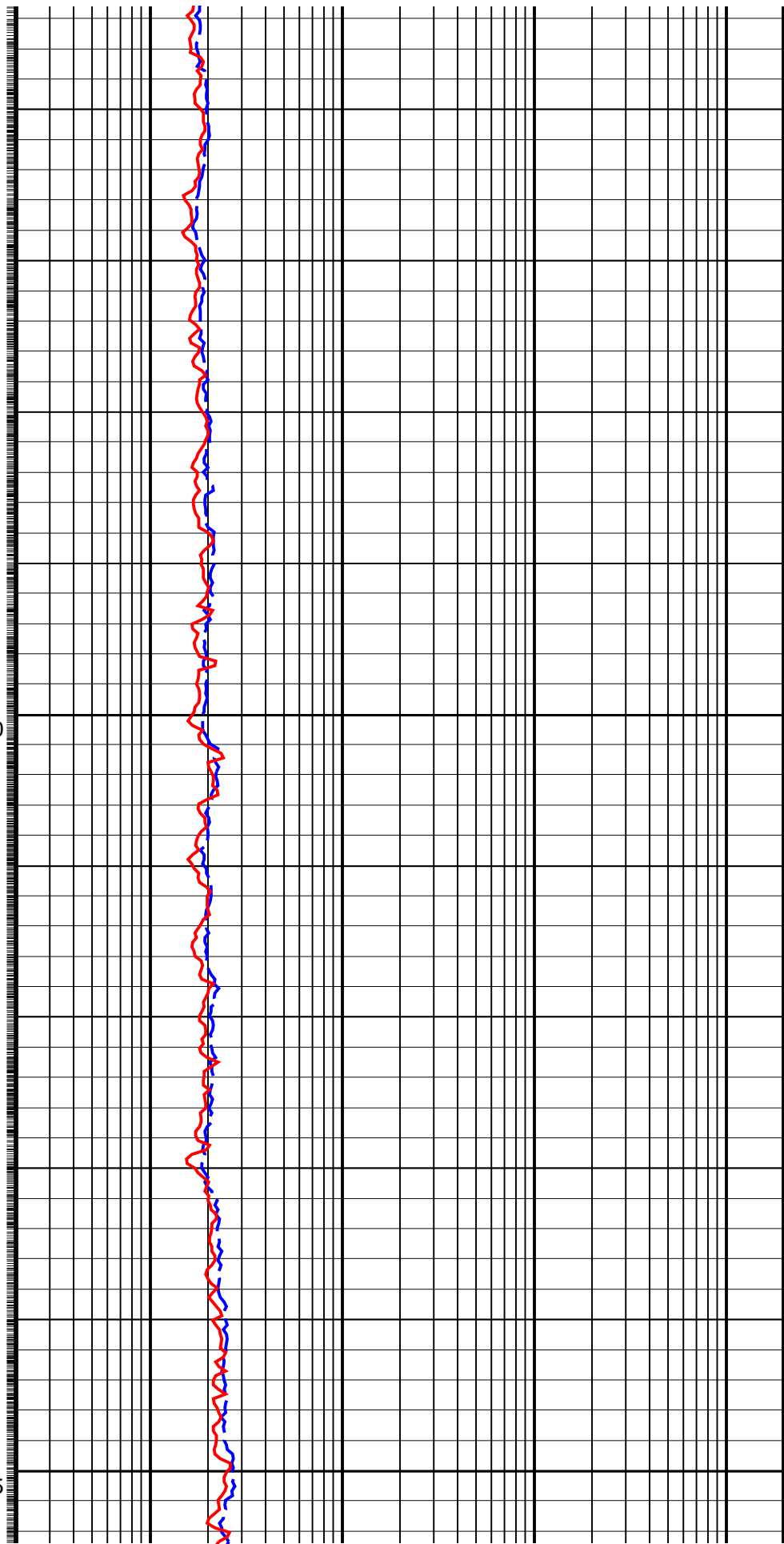
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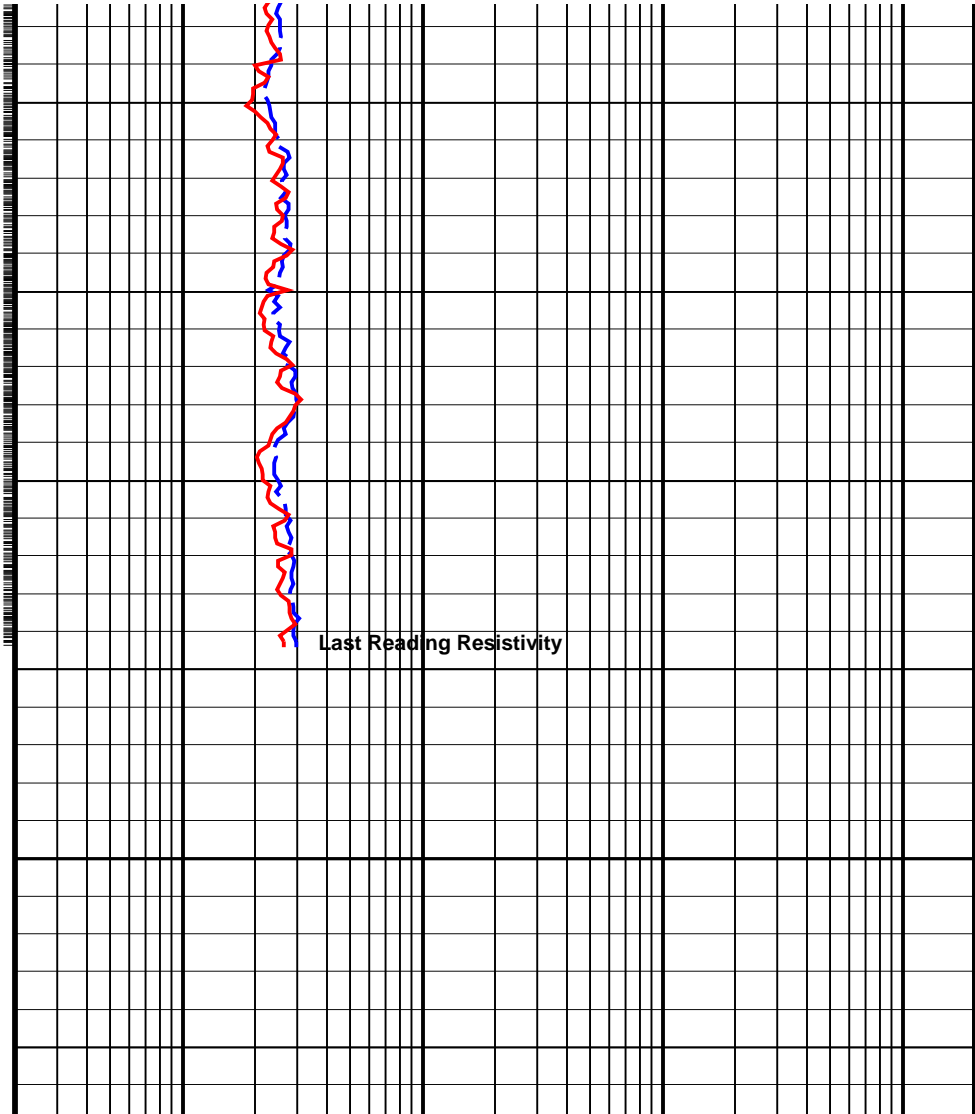
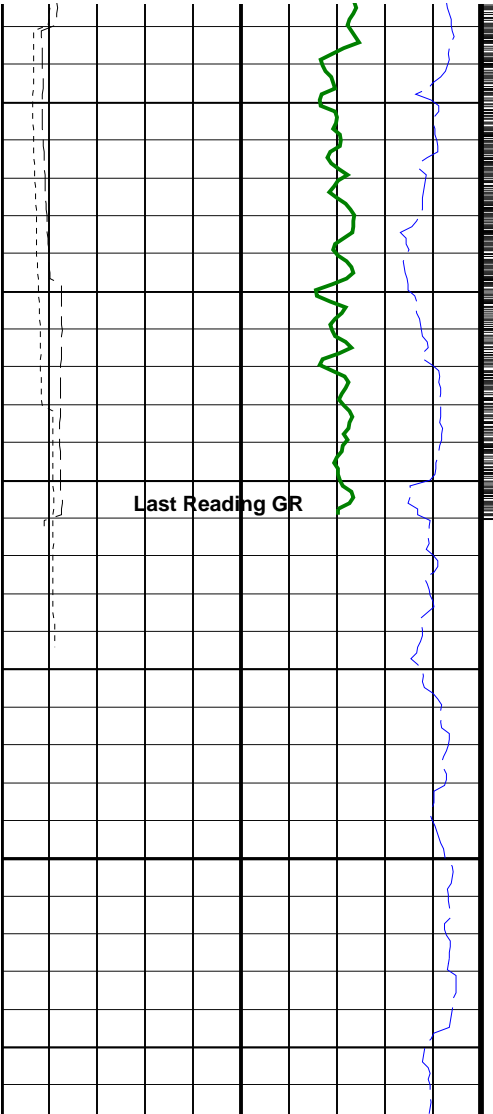




2050

2075





CDR Gamma Ray (GR_CDR)		
0	(GAPI)	200
CDR Gamma Ray Time After Bit (TAB_CDR_GR)		
0	(HR)	10
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)		
200	(M/HR)	0
CDR Resistivity Time After Bit (TAB_CDR_RES)		
0	(HR)	10

Uncorrected Attenuation Resistivity (ATR)		
0.2	(OHMM)	2000
Uncorrected Phase Shift Resistivity (PSR)		
0.2	(OHMM)	2000

PIP SUMMARY		
└ CDR Gamma Ray Samples		
└ CDR Resistivity Samples		

IDEAL Version: ID6_1C_10		
IDF		

Input DLIS Files		
CDR .091	FN:102	05-Sep-2001 15:57
1555.0 FT	6921.5 FT	

8.25-in. Compensated Dual Resistivity / Equipment Identification




Primary Equipment:
Tool Name and Serial Number
Gamma Ray Type
Calibration Status

CDR8 – AA 8134
Plat – GR
Valid

Master: 19-JUL-2001 12:00

8.25-in. Compensated Dual Resistivity Calibration




Resistivity: Air

Phase	Attenuation down DB	Value	Phase	Attenuation up DB	Value	Phase	BHC attenuation DB	Value
Master		4.931	Master		5.008	Master		4.970
	4.400 (Minimum)	5.000 (Nominal)		4.400 (Minimum)	5.000 (Nominal)		4.900 (Minimum)	5.100 (Maximum)

Master: 19-JUL-2001 12:00

8.25-in. Compensated Dual Resistivity Calibration

Resistivity: Air

Phase	Phase shift down DEG	Value	Phase	Phase shift up DEG	Value	Phase	BHC phase shift DEG	Value
Master		0.3130	Master		0.02900	Master		0.1710
	-2.400 (Minimum)	0.1000 (Nominal)		-2.400 (Minimum)	0.1000 (Nominal)		-0.9000 (Minimum)	1.100 (Maximum)

Master: 19-JUL-2001 12:00

8.25-in. Compensated Dual Resistivity Calibration

Gamma Ray: Blanket

Phase	Gain	Value
Master		1.005
	0.8000 (Minimum)	1.000 (Nominal)

ANADRILL

SCHLUMBERGER

Survey report 2-Sep-2001 05:08:50 Page 1 of 2

Client.....: Woodside Energy Limited
Field.....: Otway Basin

Well.....: Thylacine-2
API number.....:
Engineer.....: L.Muskett, O.Radicevic

STATE:.....: Tasmania

Spud date.....: 28-Aug-01
Last survey date.....: 02-Sep-01
Total accepted surveys...: 16
MD of first survey.....: 595.5 m
MD of last survey.....: 2109.00 m

----- Survey calculation methods-----
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Depth reference -----
Permanent datum.....: Lowest Astronomical Tide
Depth reference.....: Driller's Depth
GL above permanent: -101.00 m
KB above permanent.....: 25.00 m
DF above permanent.....: 25.00 m

----- Vertical section origin-----
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

----- Platform reference point-----
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

Azimuth from rotary table to target: 0.00 degrees

----- Geomagnetic data -----
Magnetic model.....: BGM version 2000
Magnetic date.....: 28-Aug-2001
Magnetic field strength..: 1224.35 HCNT
Magnetic dec (+E/W-).....: 11.05 degrees
Magnetic dip.....: -70.39 degrees

----- MWD survey Reference Criteria -----
Reference G.....: 1000.12 mGal
Reference H.....: 1224.35 HCNT
Reference Dip.....: -70.39 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-).....: 11.05 degrees
Grid convergence (+E/W-)..: -1.17 degrees
Total az corr (+E/W-)....: 12.22 degrees
(Total az corr = magnetic dec - grid conv)
Sag applied (Y/N).....: No degree: 0.00

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 (m)	At Azim (deg)	DLS (deg/ 10m)	Srvy tool type	Tool qual type
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	-
2	126.00	0.00	0.00	126.00	126.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD	-
3	595.50	0.59	190.42	469.50	595.49	-2.38	-2.38	-0.44	2.42	190.42	0.01	MWD	6-axis
4	684.37	0.51	189.27	88.87	684.36	-3.22	-3.22	-0.58	3.27	190.28	0.01	MWD	6-axis
5	739.73	0.41	177.78	55.36	739.72	-3.66	-3.66	-0.62	3.71	189.55	0.02	MWD	6-axis
6	860.59	0.55	136.09	120.86	860.57	-4.51	-4.51	-0.20	4.51	182.50	0.03	MWD	6-axis
7	1093.36	0.27	141.66	232.77	1093.34	-5.74	-5.74	0.92	5.82	170.92	0.01	MWD	6-axis
8	1209.46	0.50	75.88	116.10	1209.43	-5.83	-5.83	1.58	6.04	164.85	0.04	MWD	6-axis
9	1384.16	0.64	113.39	174.70	1384.13	-6.04	-6.04	3.21	6.84	151.97	0.02	MWD	6-axis
10	1499.15	0.61	112.19	114.99	1499.11	-6.52	-6.52	4.37	7.85	146.18	0.00	MWD	6-axis
11	1528.39	0.59	99.50	29.24	1528.35	-6.61	-6.61	4.66	8.09	144.78	0.05	MWD	6-axis
12	1557.20	0.63	94.58	28.81	1557.16	-6.64	-6.64	4.97	8.29	143.21	0.02	MWD	6-axis
13	1702.37	0.89	105.20	145.17	1702.31	-7.00	-7.00	6.85	9.80	135.63	0.02	MWD	6-axis
14	1963.05	1.36	50.96	260.68	1962.95	-5.58	-5.58	11.21	12.52	116.49	0.04	MWD	6-axis
15	2082.91	1.02	4.82	119.86	2082.78	-3.63	-3.63	12.40	12.92	106.30	0.08	MWD	6-axis
16	2109.00	1.02	4.82	26.09	2108.87	-3.16	-3.16	12.44	12.84	104.26	0.00	MWD	PROJECTION

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Company: Woodside Energy Limited

Well: Thylacine-2

Field: Permit T/30P

Rig: Ocean Bounty

State: Tasmania

IDEAL services from Anadrill

CDR – Resistivity
1:200 Measured Depth
Recorded Mode

Schlumberger