



GAMMA RAY

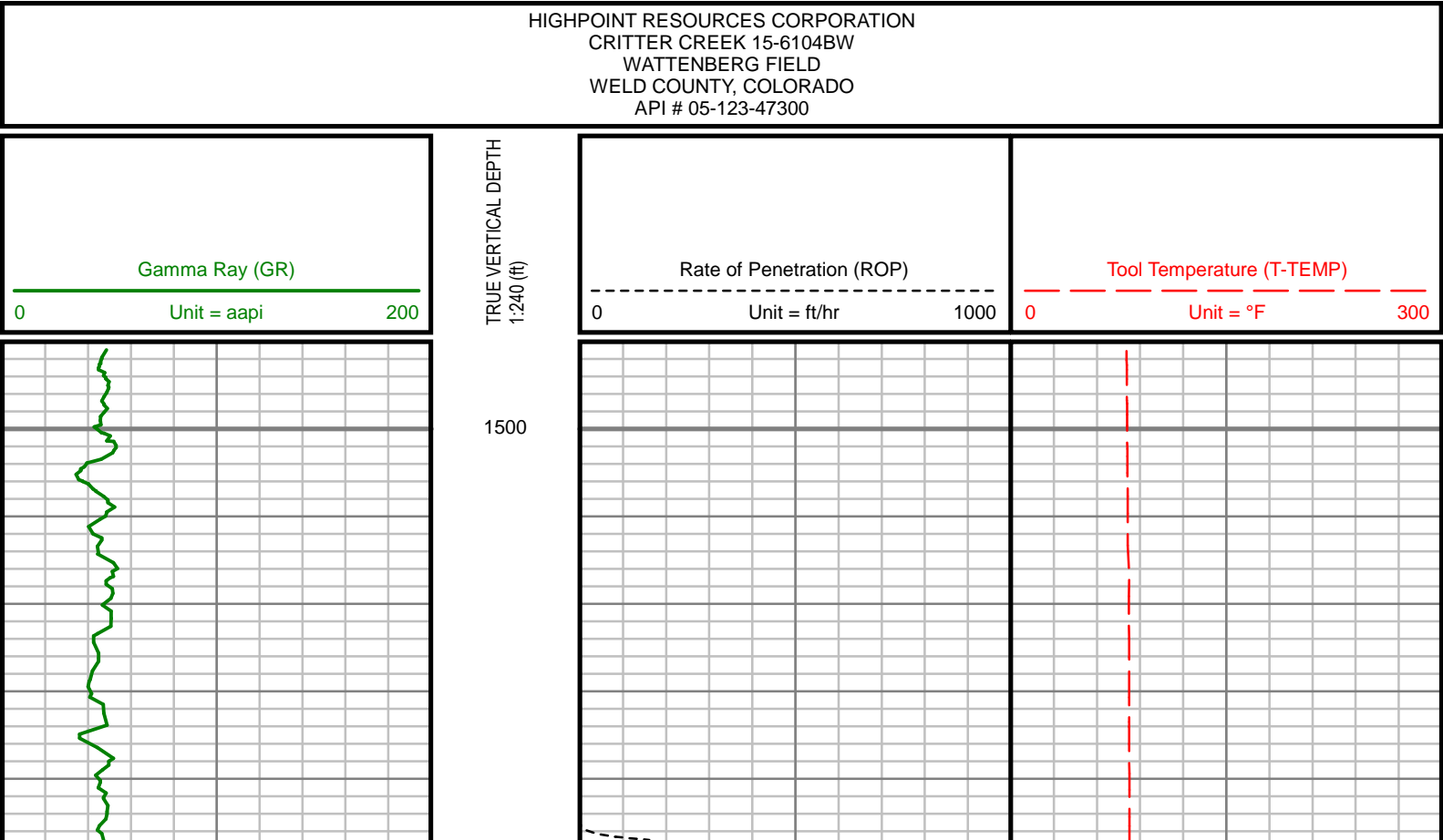
5" = 100' TVD

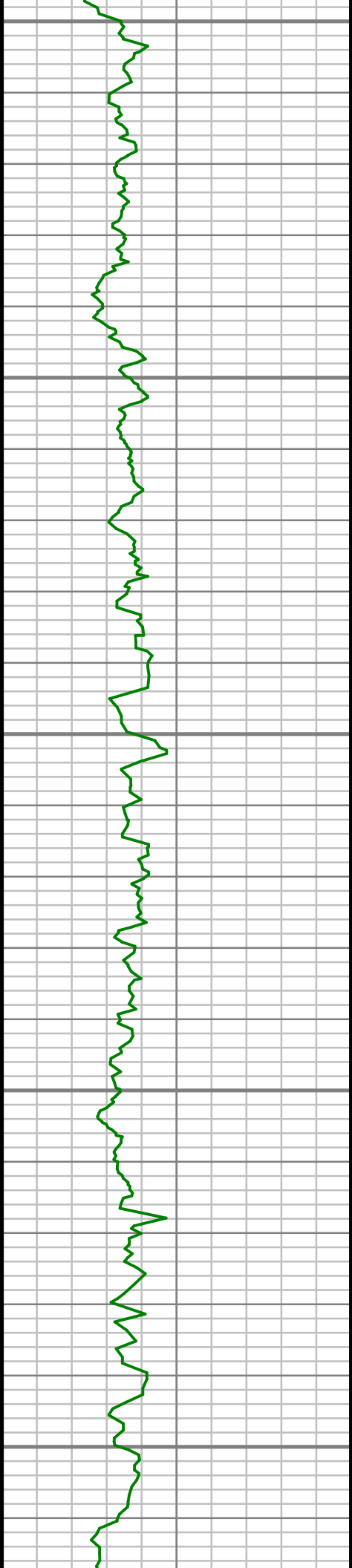
COMPANY : HIGH POINT WELL : CRITTER CREEK 15-6104BW FIELD : WATTENBERG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-47300											
COMPANY : HIGH POINT WELL : CRITTER CREEK 15-6104BW FIELD : WATTENBERG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-47300											
DEPTH REF. : RKB REF. HEIGHT : 16.500 ft GROUND LEVEL : 5242.300 ft						RKB to Ground Level G.L. to MEAN SEA LEVEL					
BOREHOLE RECORD						DEVIATION RECORD					
HOLE SIZE	in	FROM	ft	TO	ft	INCLINATION	deg	FROM	ft	TO	ft
12		0		1549		0-22		0		3932	
8.75		1549		7910		22-0		3932		5806	
6.125		7910		17886		0-90		5806		7910	
						90 +/- 3		7910		17886	
CASING RECORD											
CASING SIZE	in	FROM	ft	TO	ft						
9.625		0		1533							
7		0		7877							
DRILLING CO. : CADE RIG : 24 LMD UNIT NO. : KIT MUD PLDISTRICT : CASPER SPUD DATE : 07/16/2018 LMD START DATE : 08/30/2018 LMD END DATE : 09/06/2018 DEPTH : 1500 ft DEPTH : 17835 ft TOTAL DEPTH : 17886 ft											

Run Data						
RUN NUMBER	1	2	3			
START DATE	8/30/2018	09/02/2018	09/03/2018			
START TIME	08:45	06:30	04:30			
END DATE	8/31/2018	09/03/2018	09/06/2018			
END TIME	09/01/2018	03:00	20:00			
DEPTH IN (ft)	1549	7910	9912			
DEPTH OUT (ft)	7910	9912	17886			
LOG TOP (ft)	1549	7910	9862			
LOG BOTTOM (ft)	7854	9862	17835			
HOLE SIZE (in)	8.75	6.125	6.125			
MUD DATA @ (ft)	7128	9950	17886			
MUD TYPE	WATER BASED	WATER BASED	WATER BASED			
DENSITY (lb / gal)	9.8	8.4	8.5			
VISCOSITY (s / qt)	34	28	28			
pH	7.5	7.5	7.5			
FLUID LOSS (cm3 / 30)	-	-	-			
SALINITY (mg/L)	350	200	500			
Rm (ohmm @ deg F)	-	-	-			
Rmf (ohmm @ deg F)	-	-	-			
MAX TEMP (deg F)	180	203	255			
Rm @ MAX TEMP (ohmm)	-	-	-			
LWD ENGINEER #1	J. PARISEE	J. PARISEE	J. PARISEE			
LWD ENGINEER #2	M. BAILY	M. BAILY	M. BAILY			
LWD ENGINEER #3	M. OGLESBY	M. POTTER	-			
LOG WITNESS #1	D. MOORE	D. MOORE	D. MOORE			
LOG WITNESS #2						

Remarks
HIGH POINT RESOURCES AFE# 20196D
SCIENTIFIC DRILLING INTERNATIONAL JOB#
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN #1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER=128-384 / CONTROLLER=323 / MWD EYE=1405 / GAMMA RAY=1272
BIT TO SENSOR OFFSETS: MWD EYE=59.66 FT. / GAMMA RAY=55.96 FT.
RUN #2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER=78-321 / CONTROLLER=275 / MWD EYE=1716 / GAMMA RAY=1180
BIT TO SENSOR OFFSETS: MWD EYE=54.73 FT. / GAMMA RAY= 50.73 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER=78-124 / CONTROLLER=323 / MWD EYE=1405 / GAMMA RAY=1272
BIT TO SENSOR OFFSETS: MWD EYE=54.73 FT. / GAMMA RAY= 50.73 FT.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION
T-TEMP = TOOL TEMPERATURE

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.





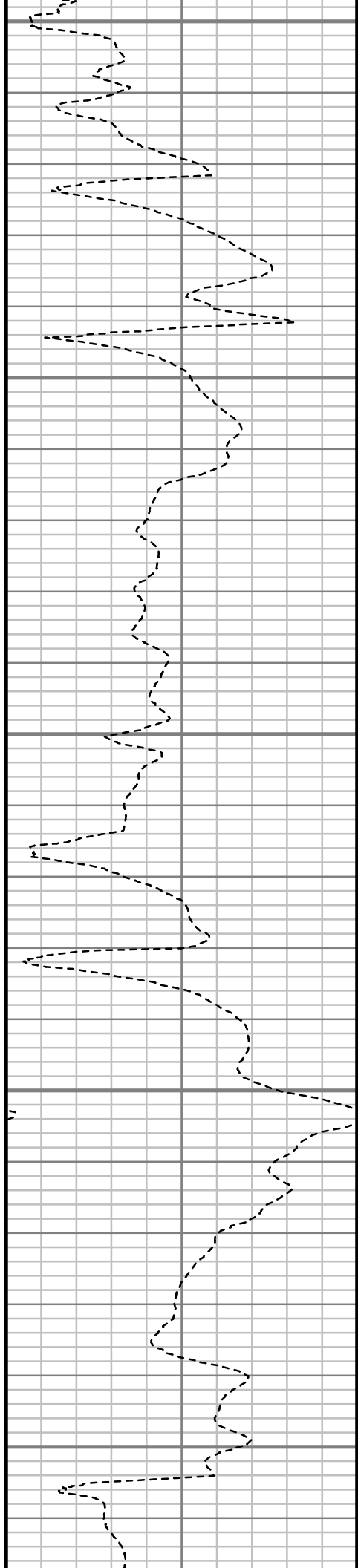
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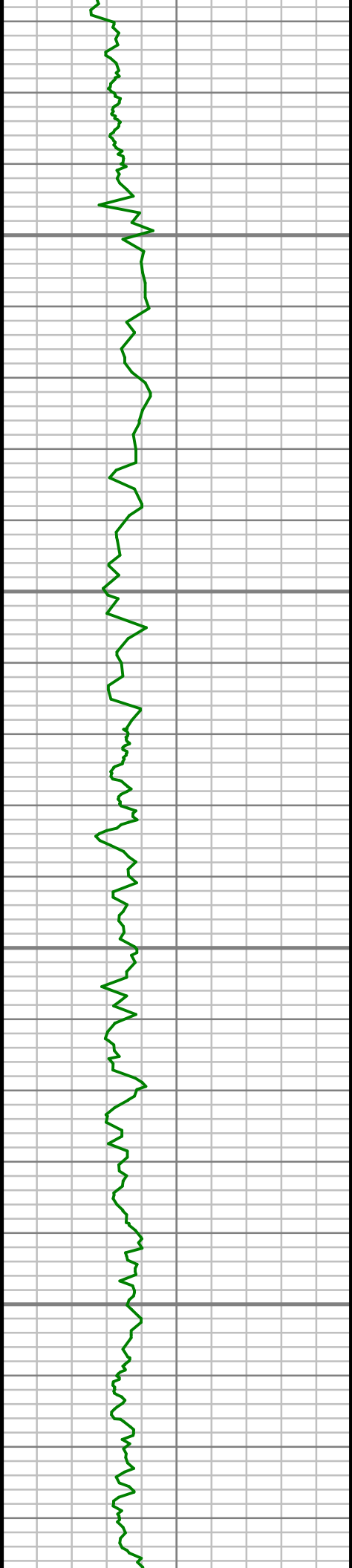
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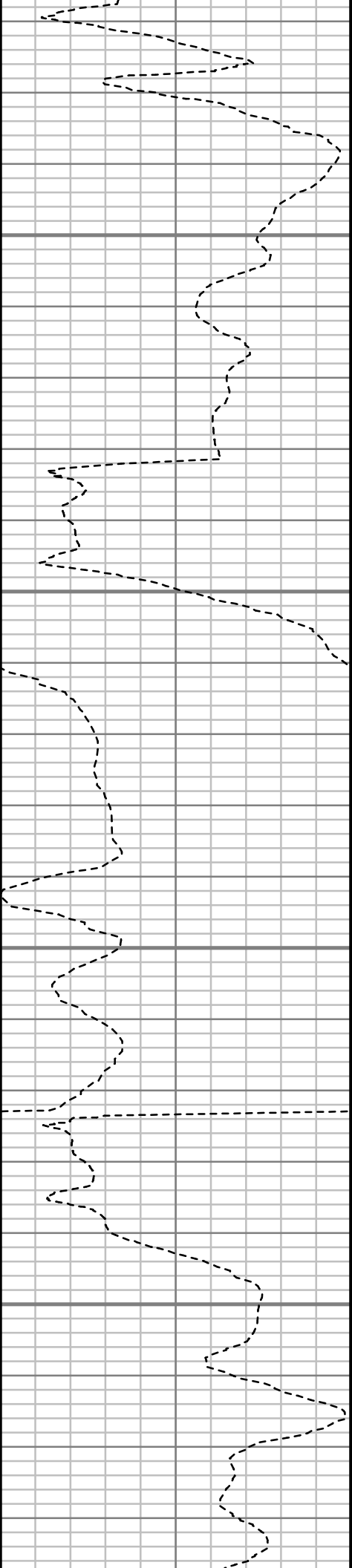


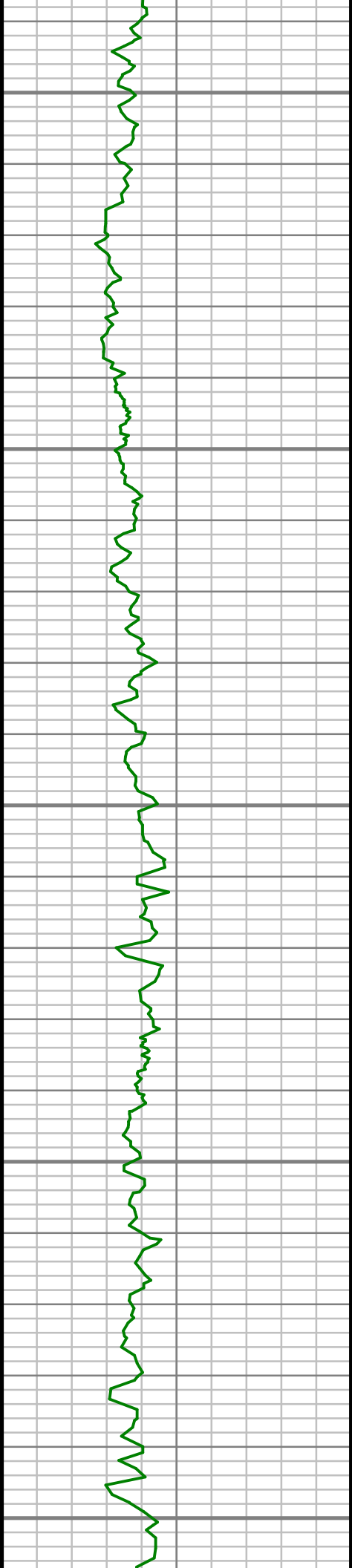
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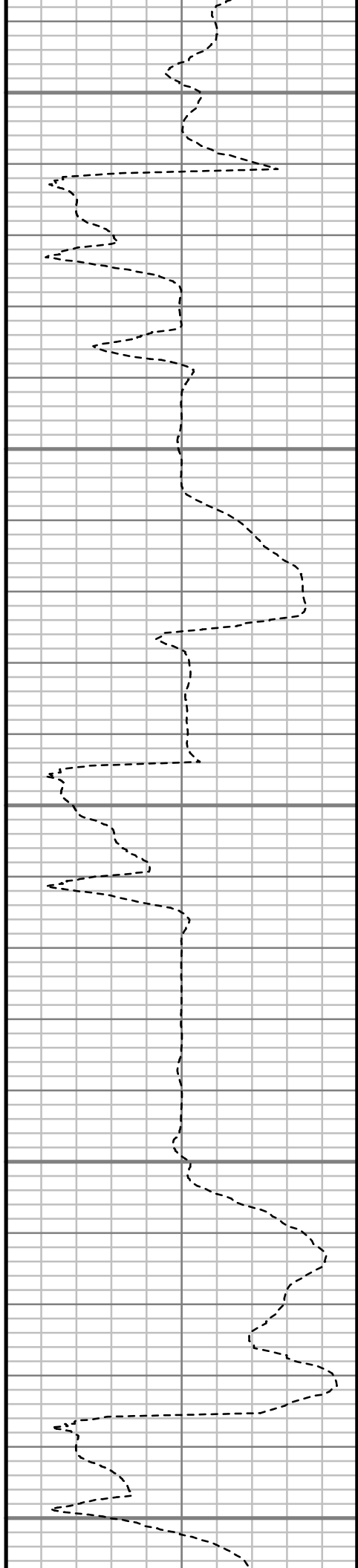
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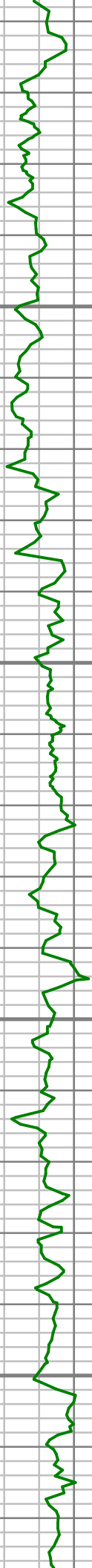
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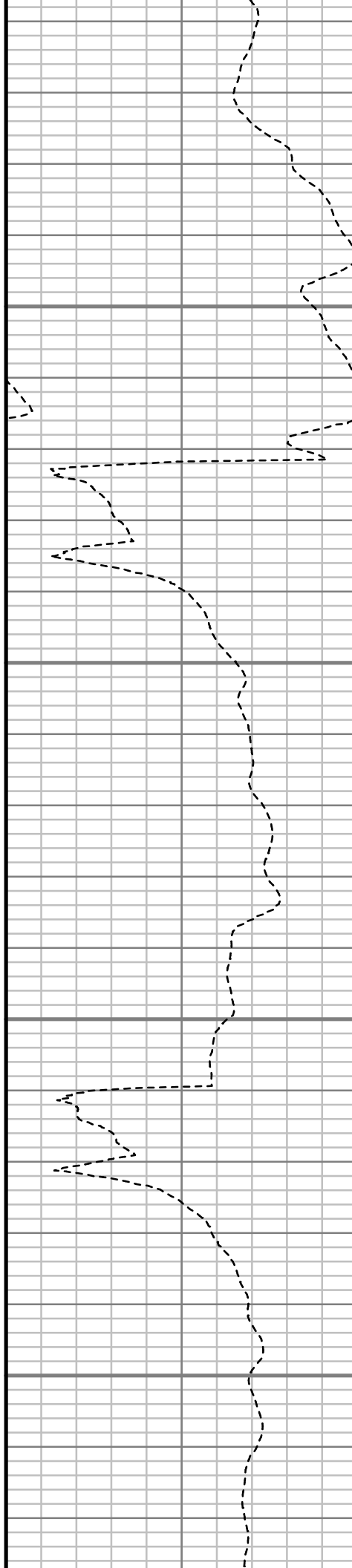


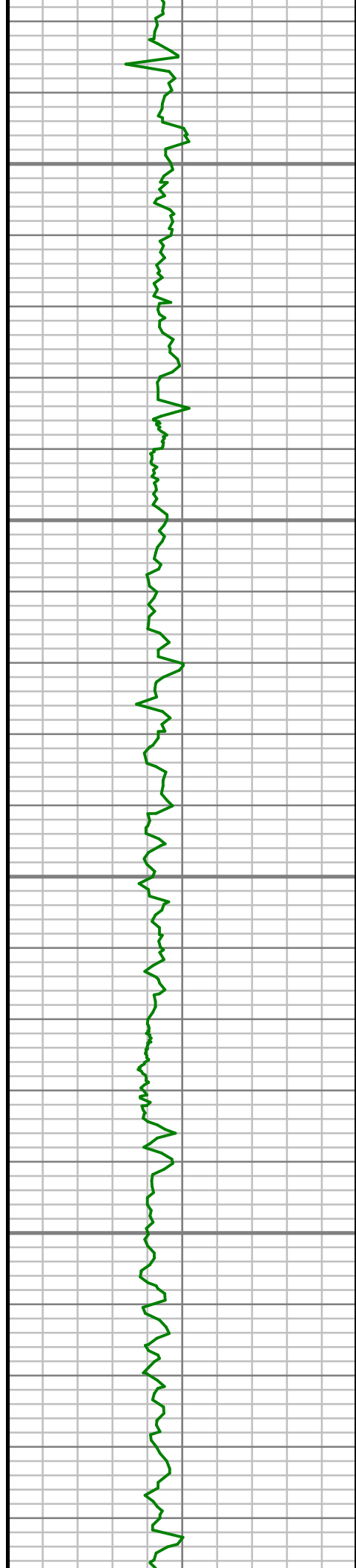
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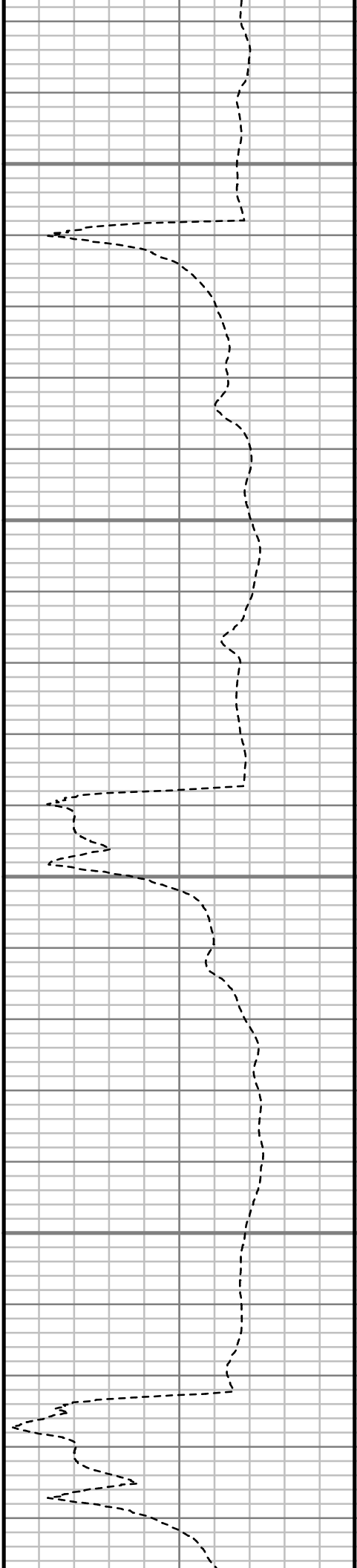


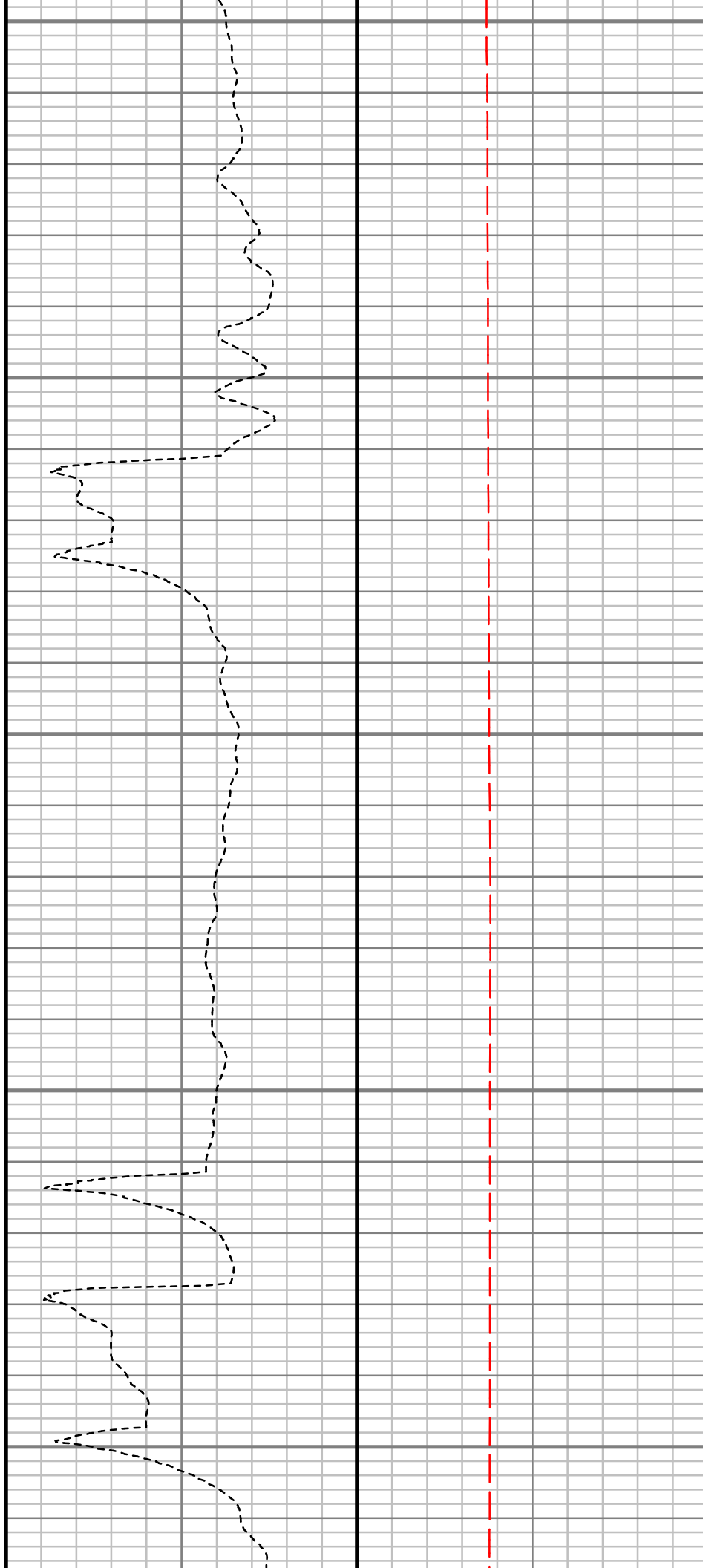
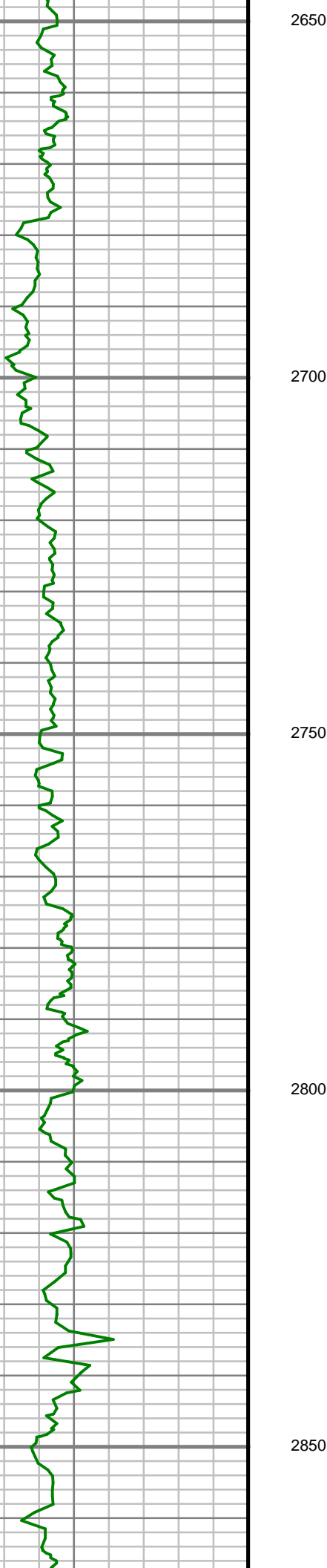
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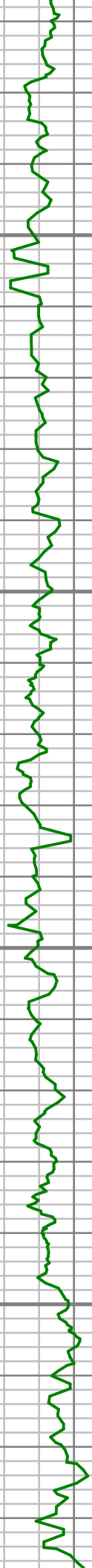
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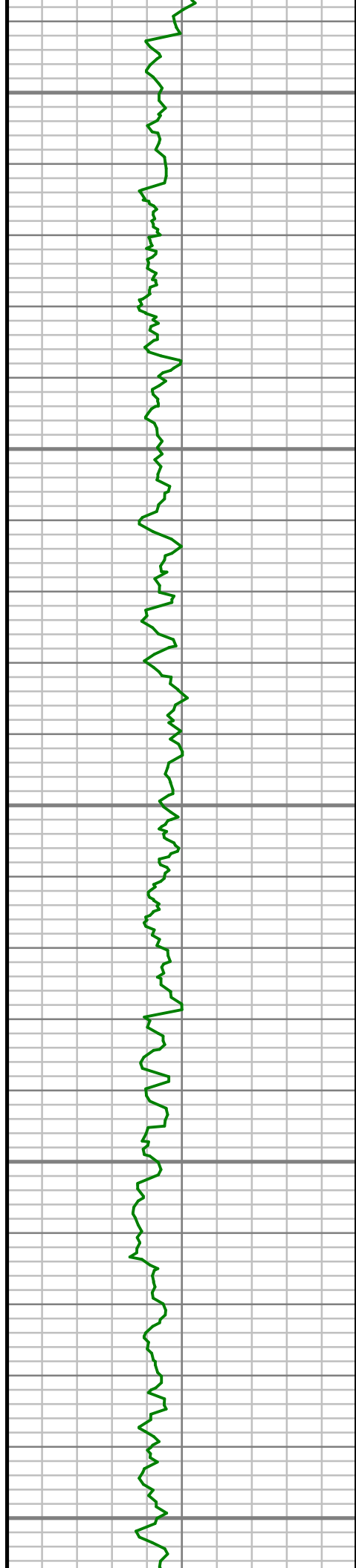
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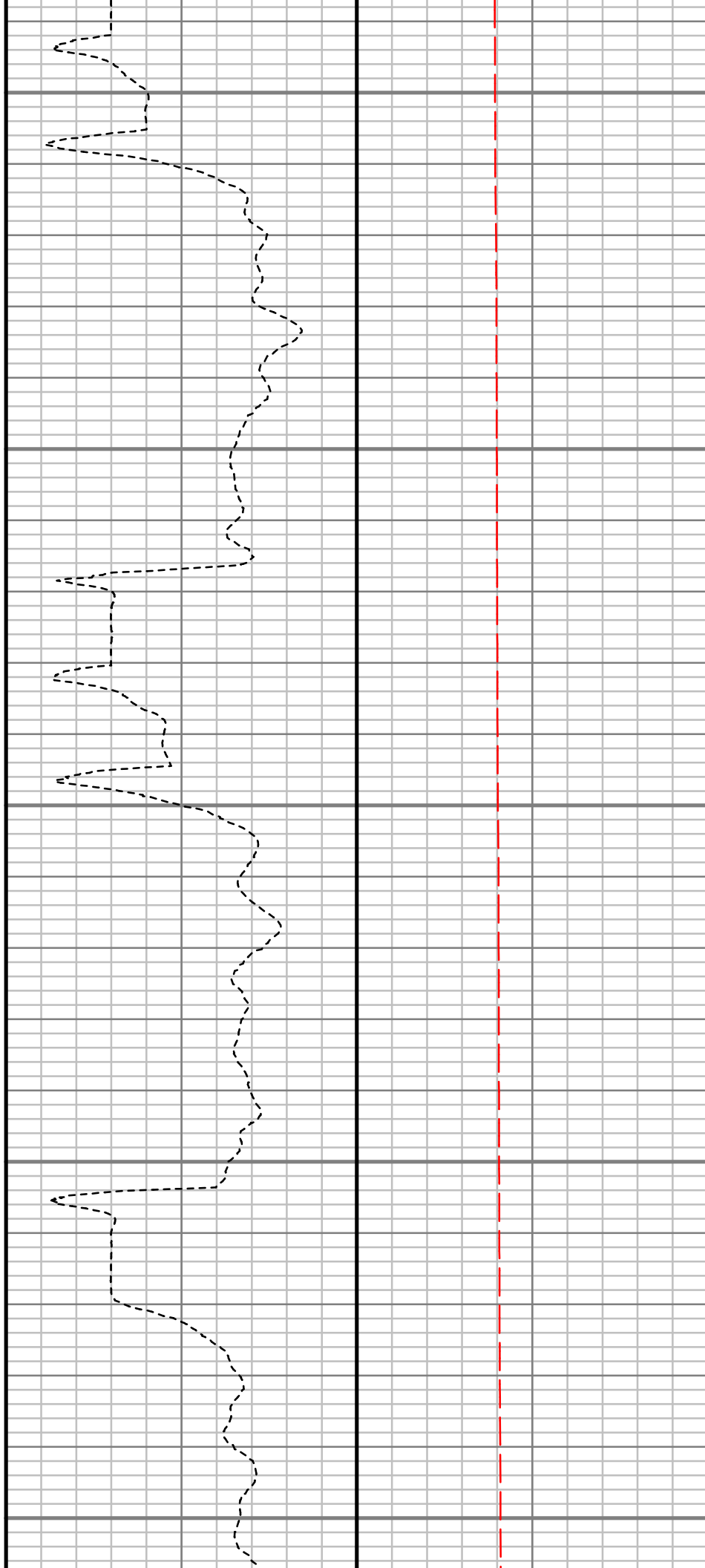
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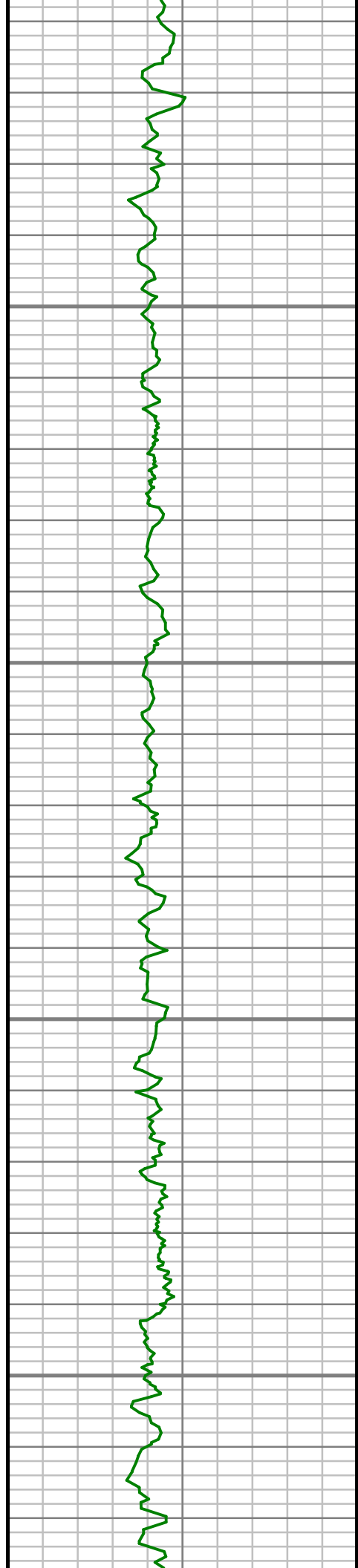
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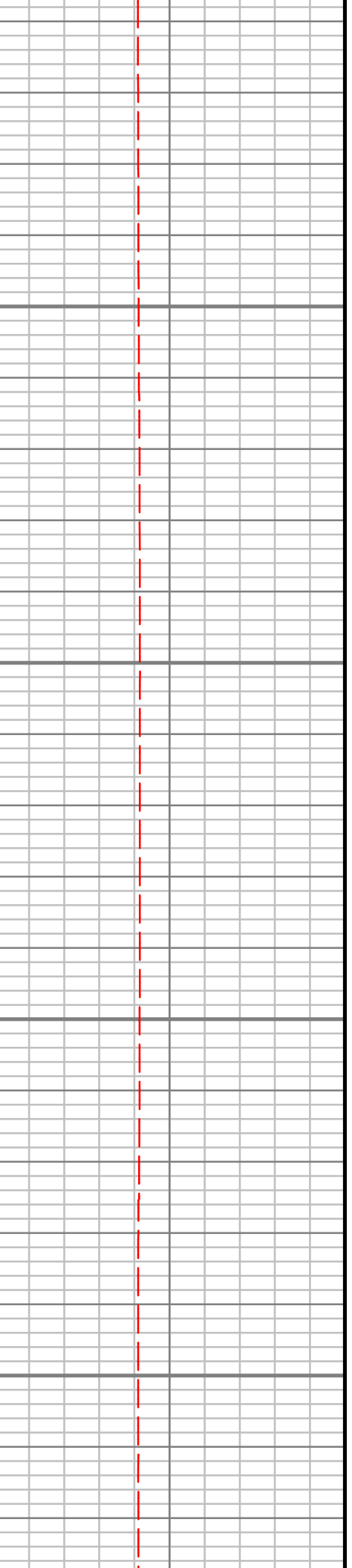
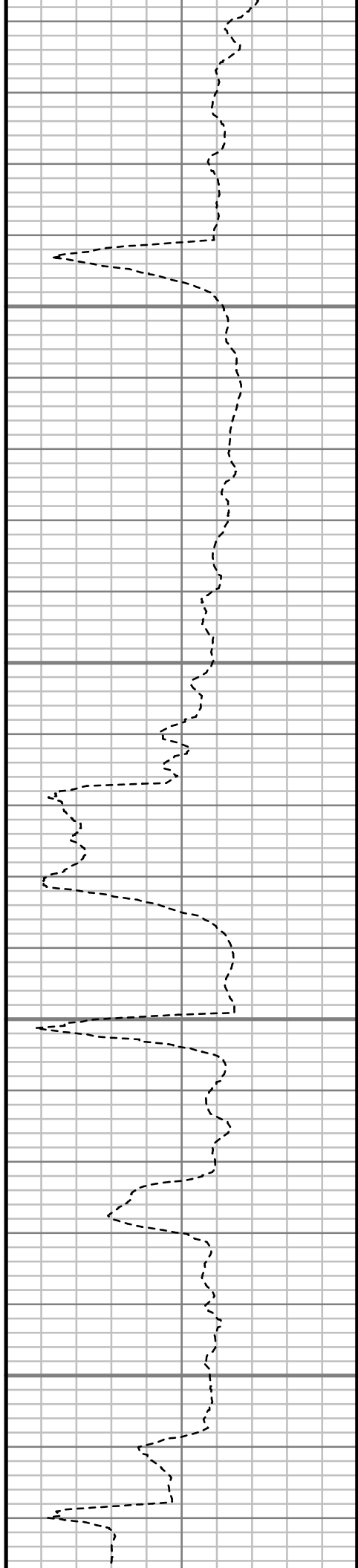


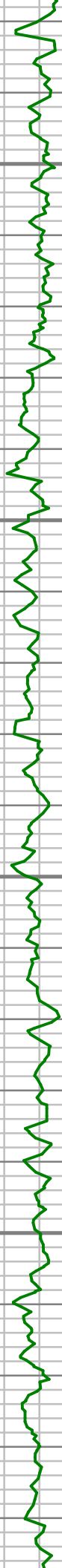
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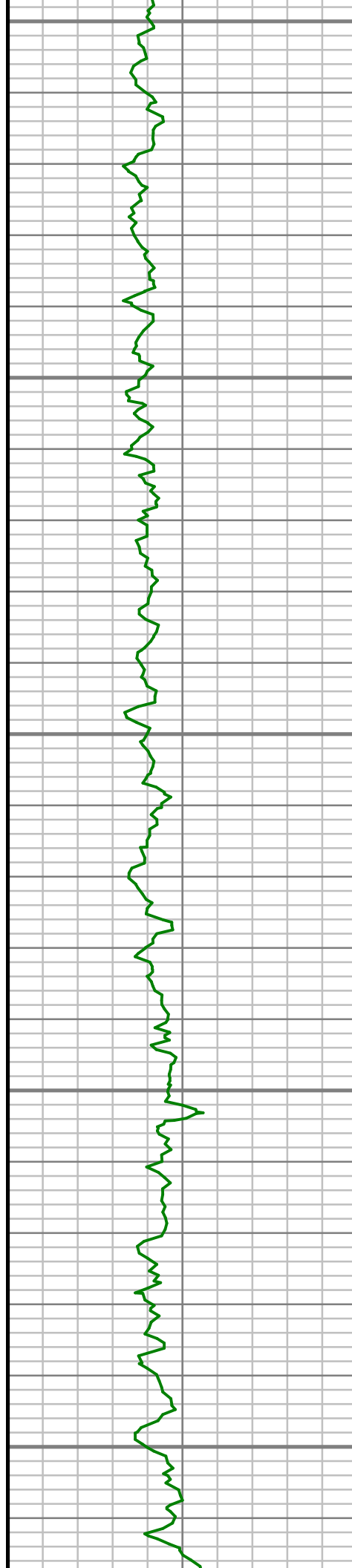
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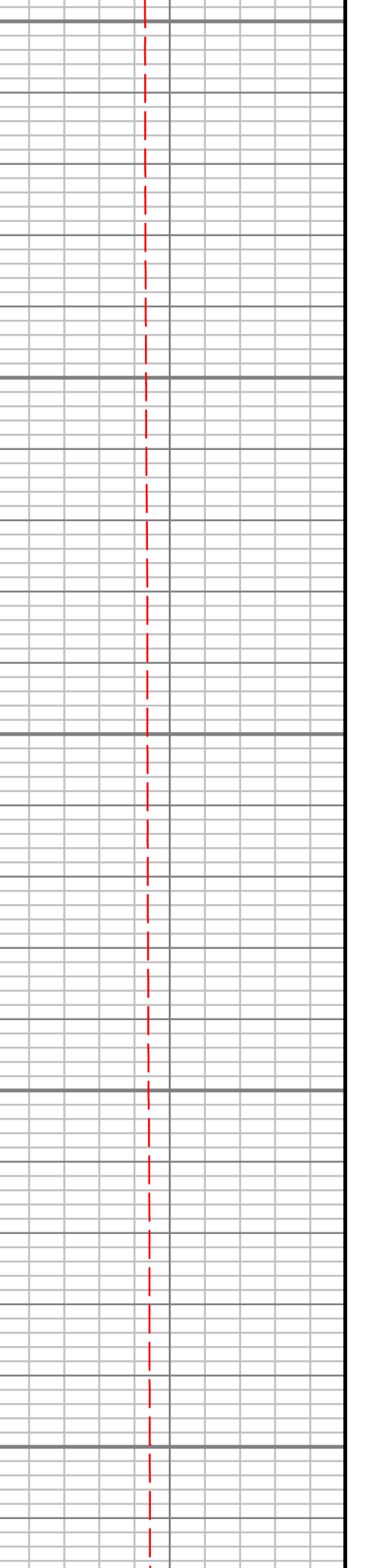
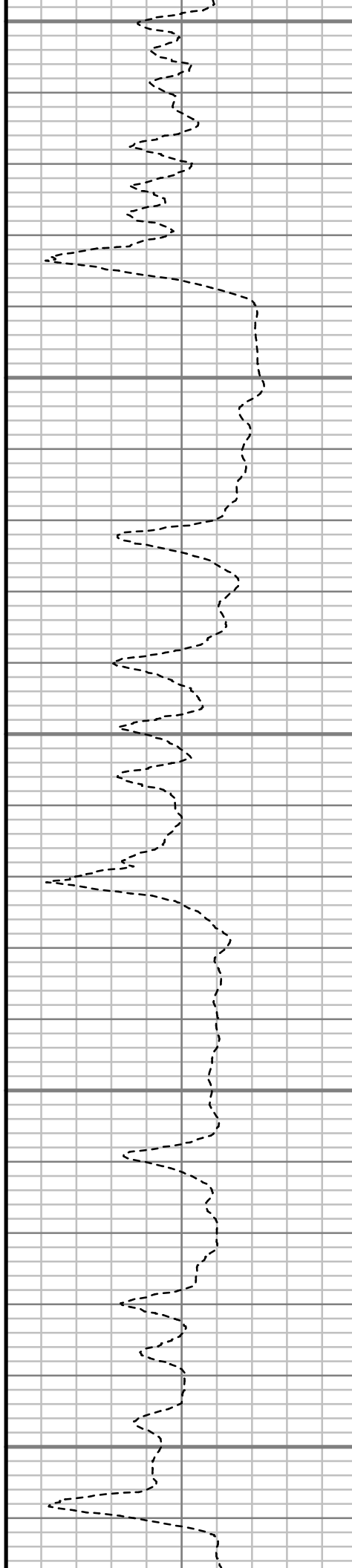
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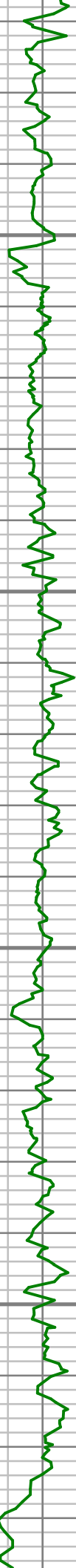
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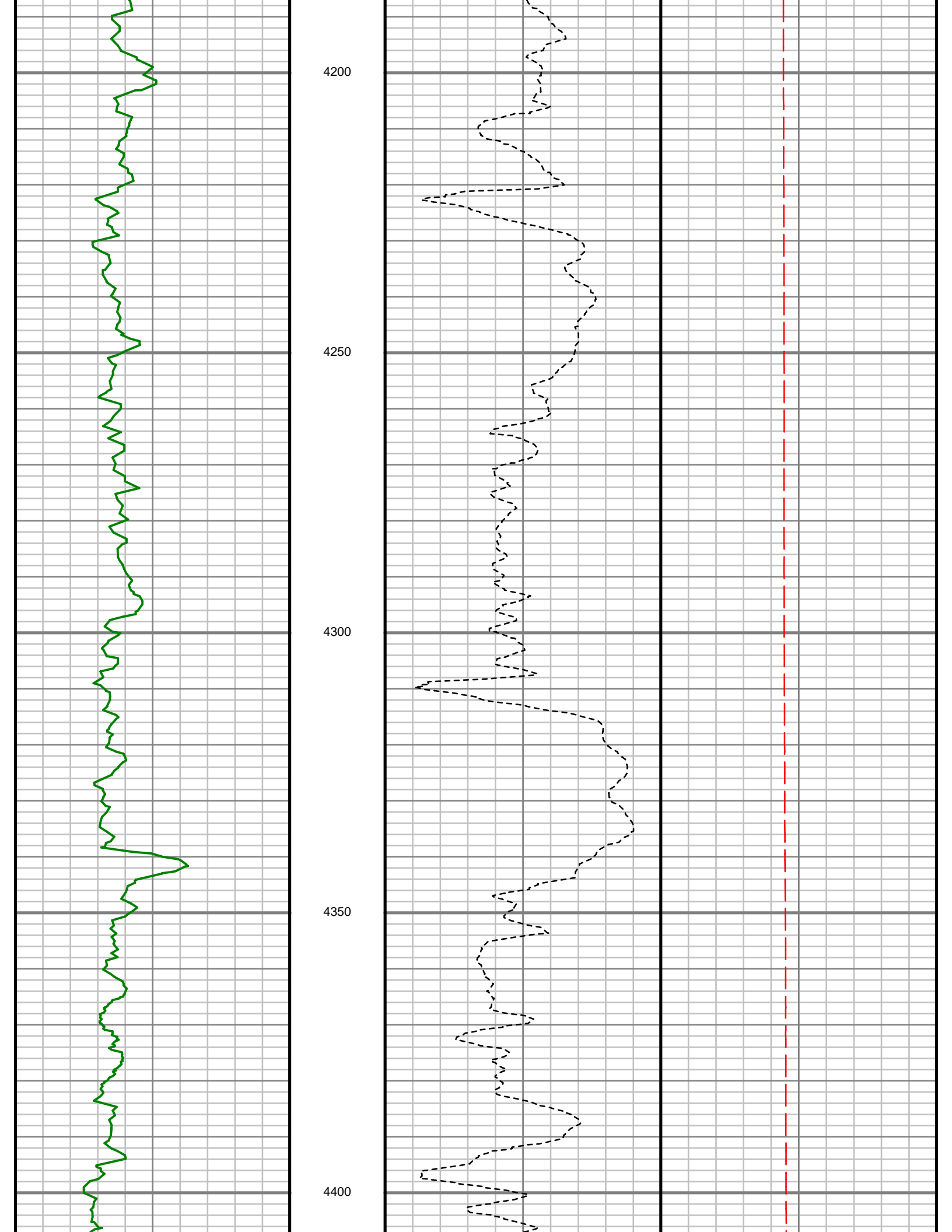
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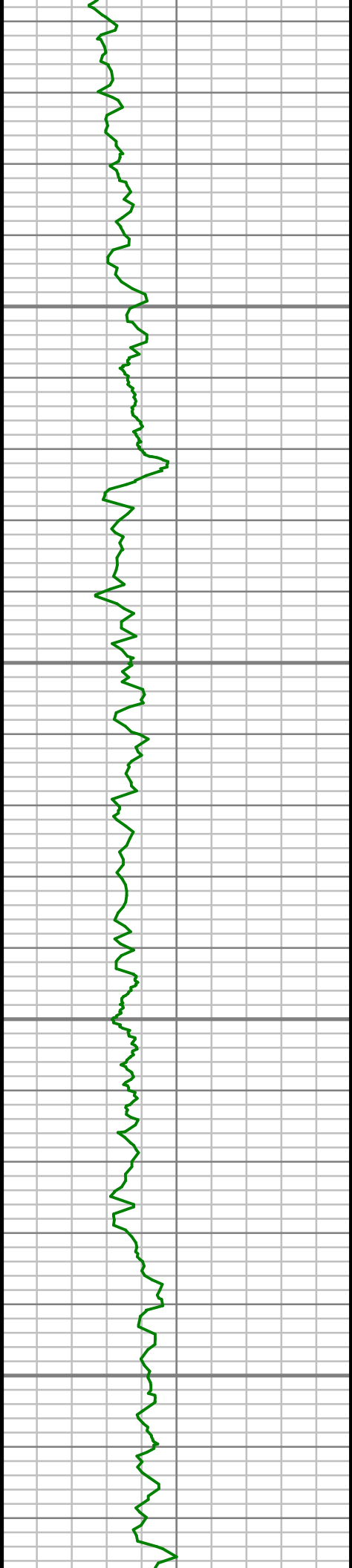
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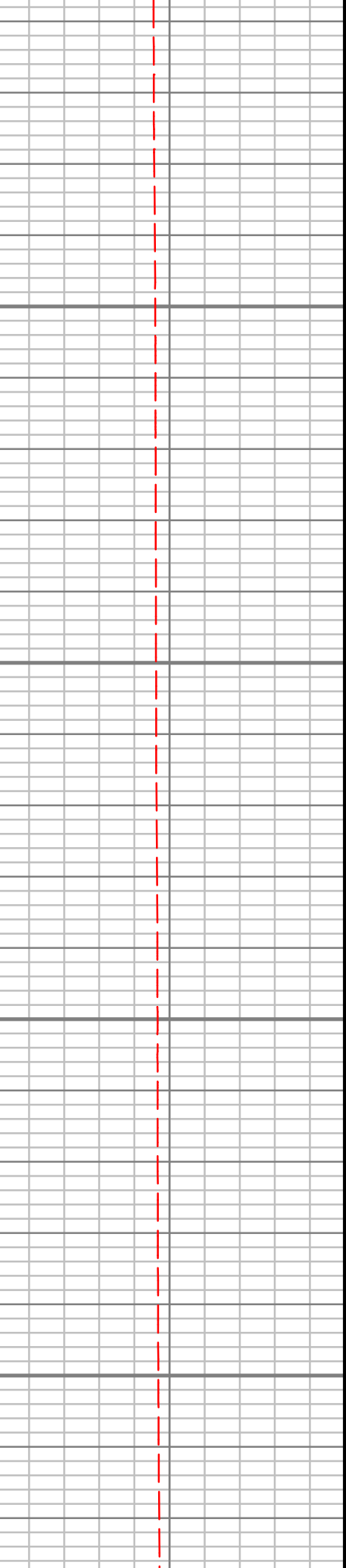
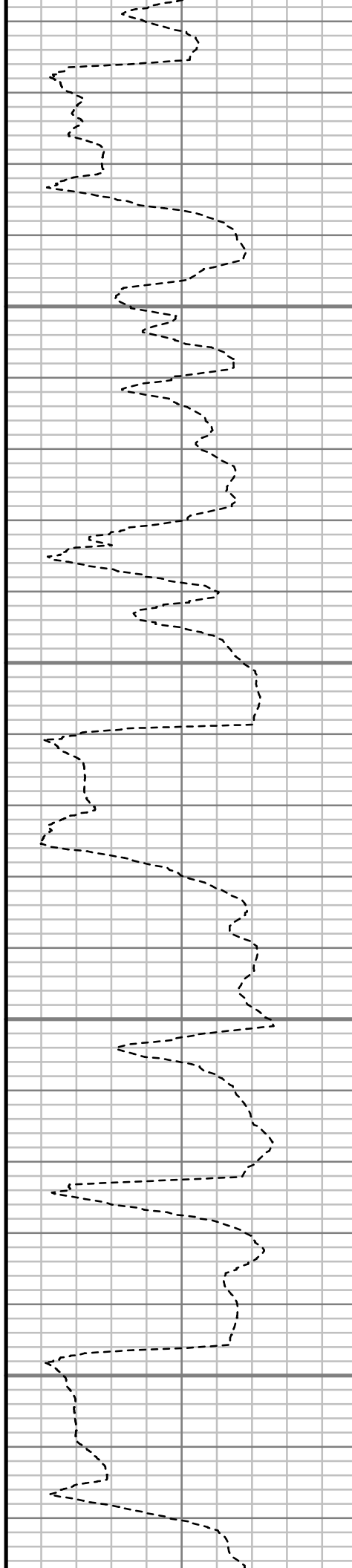


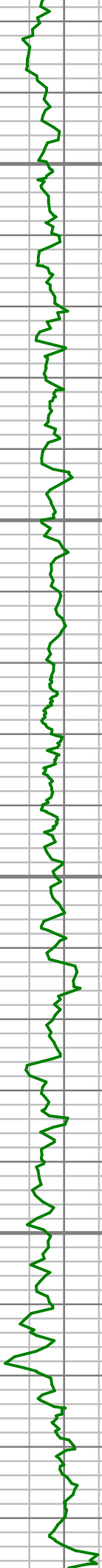
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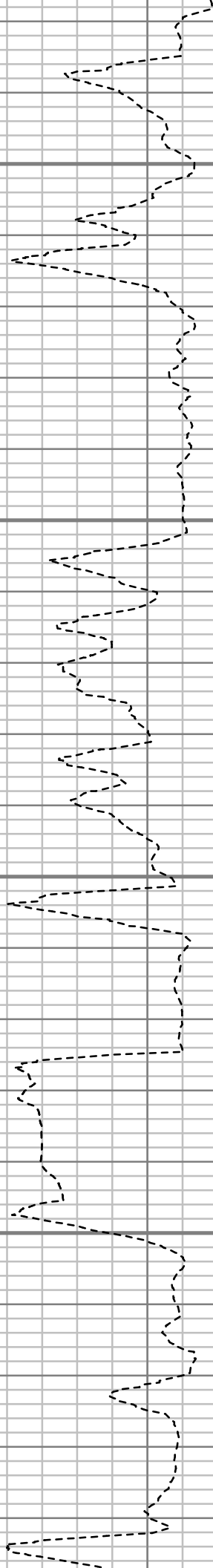


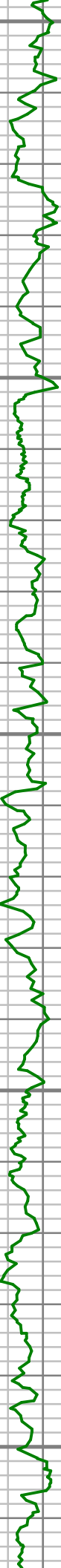
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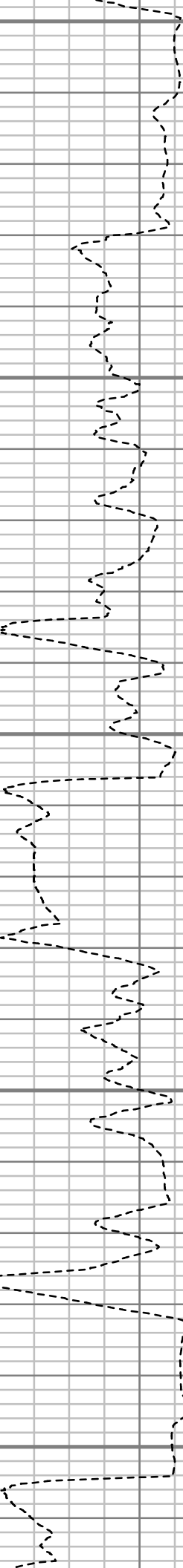
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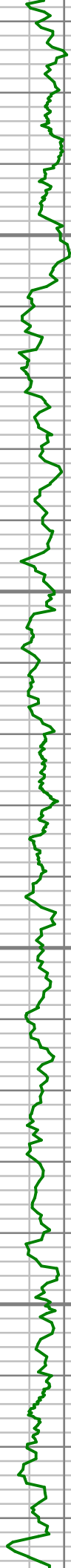
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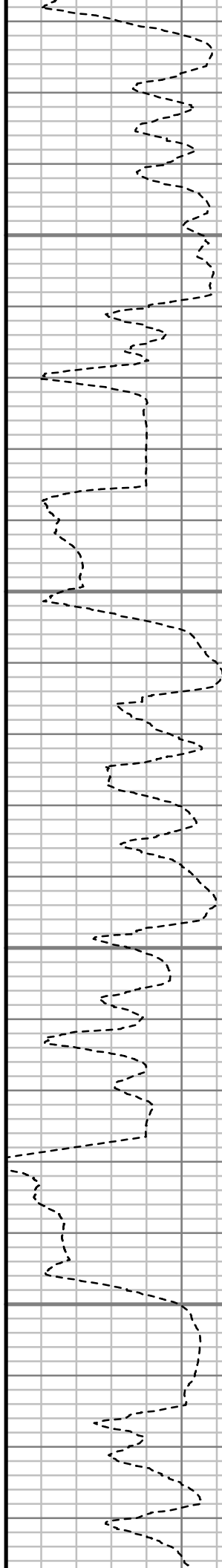


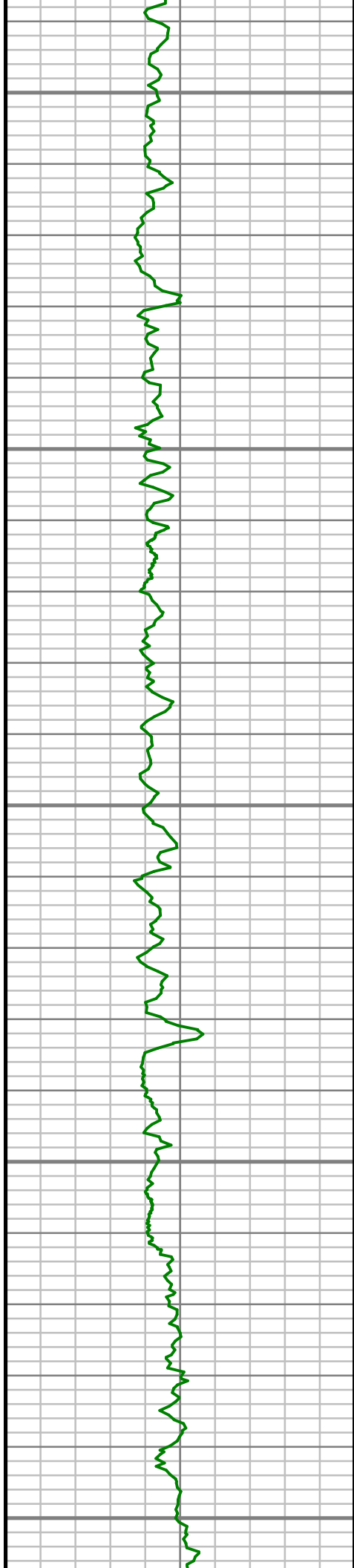
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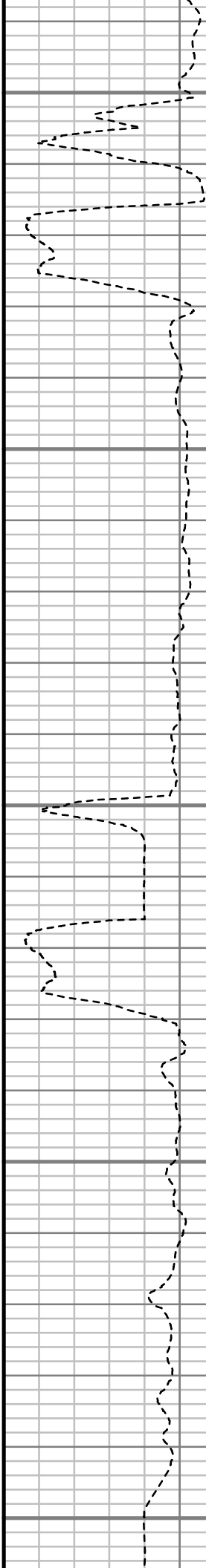
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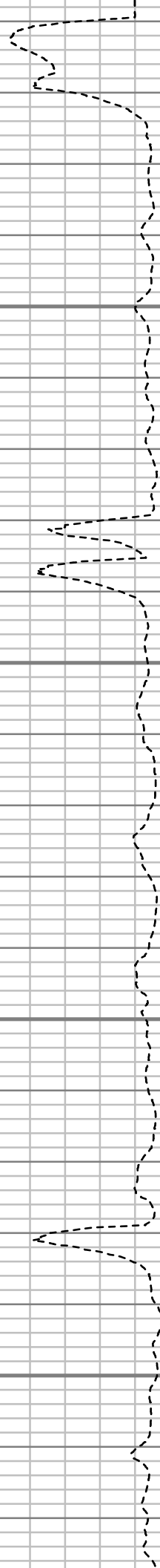


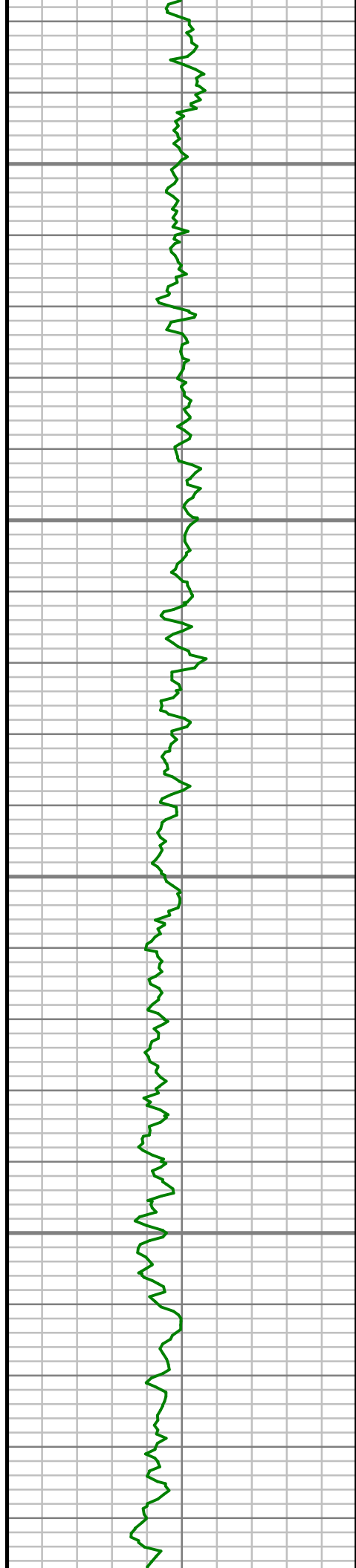
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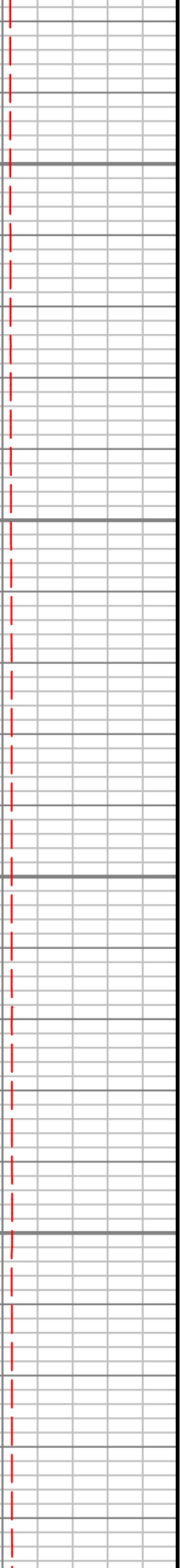
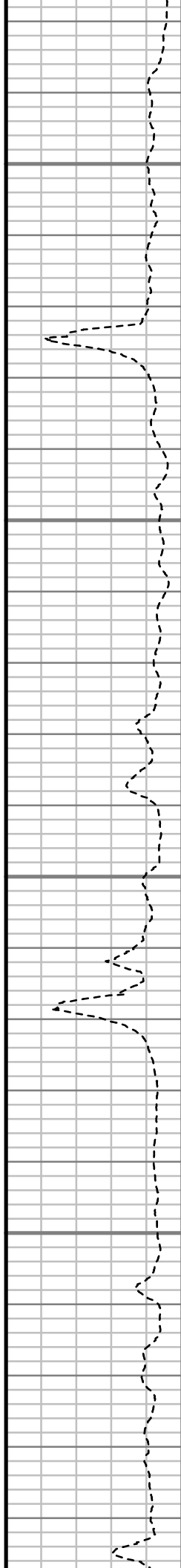


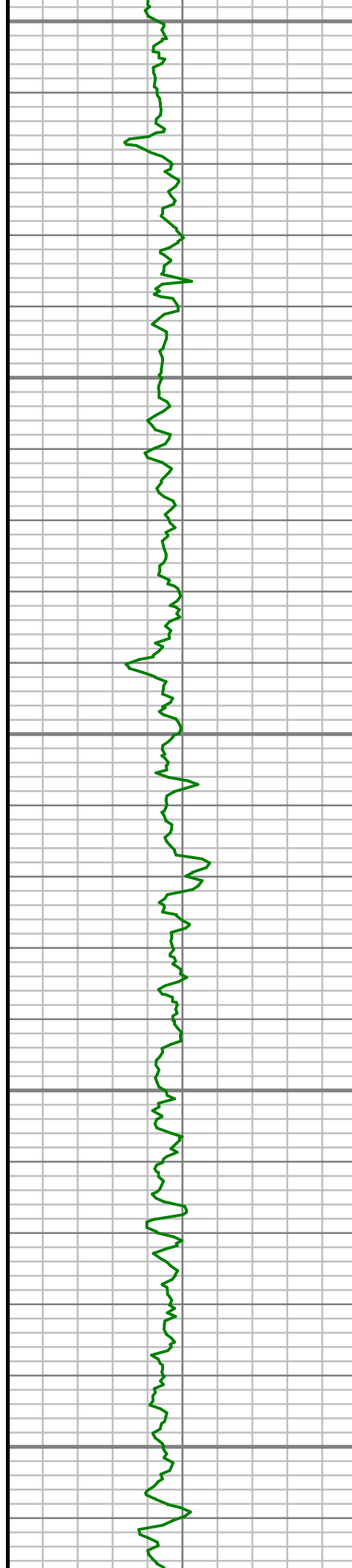
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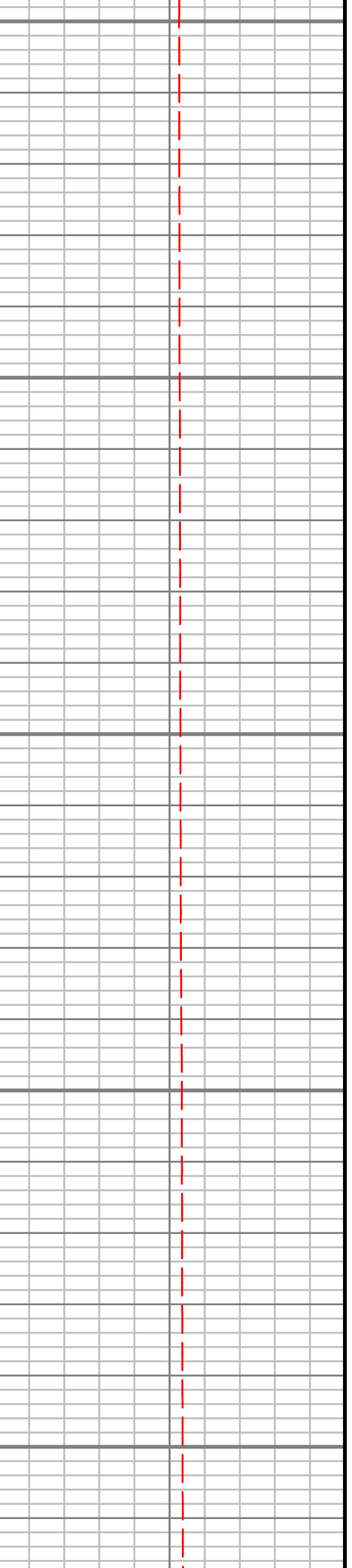
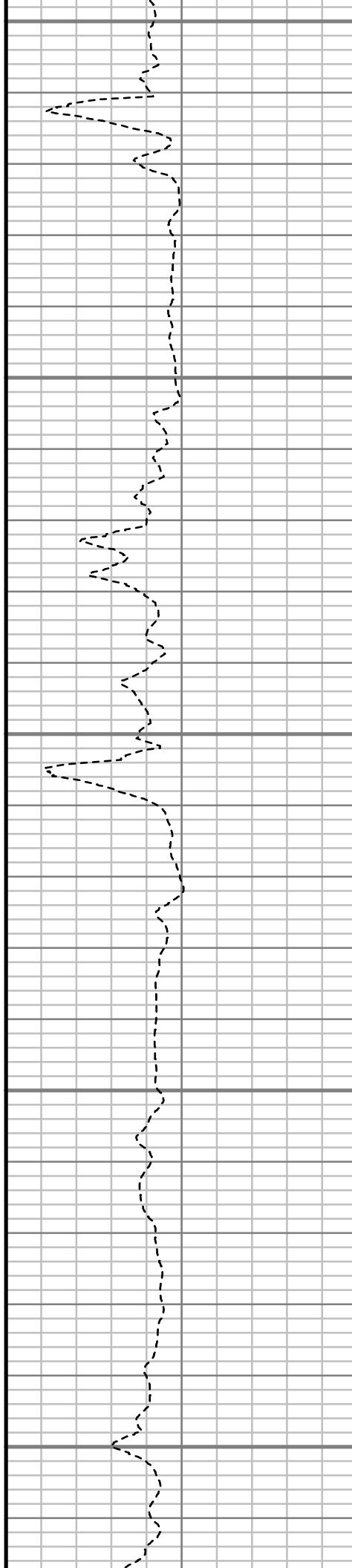
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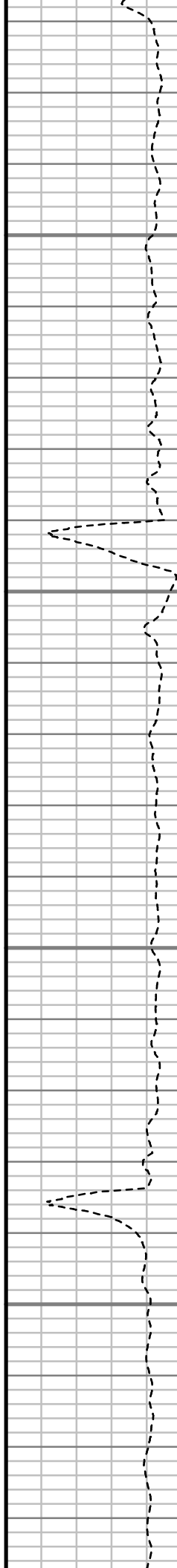


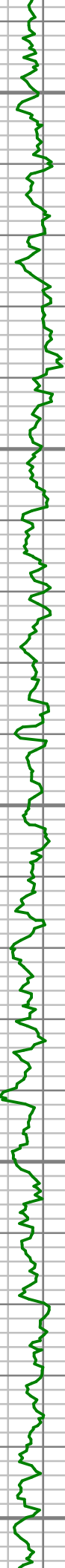
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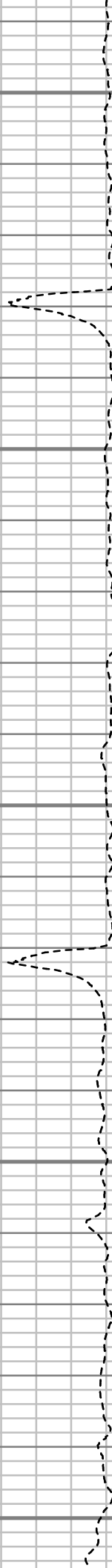
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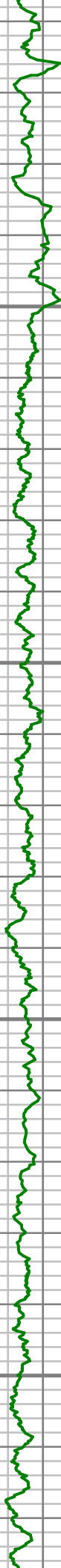
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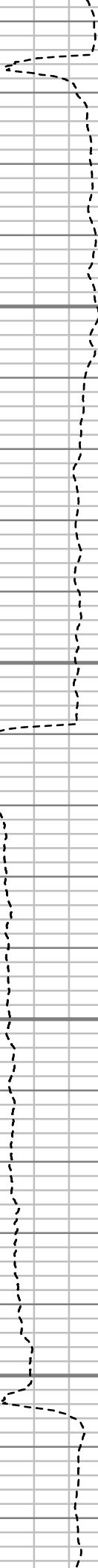


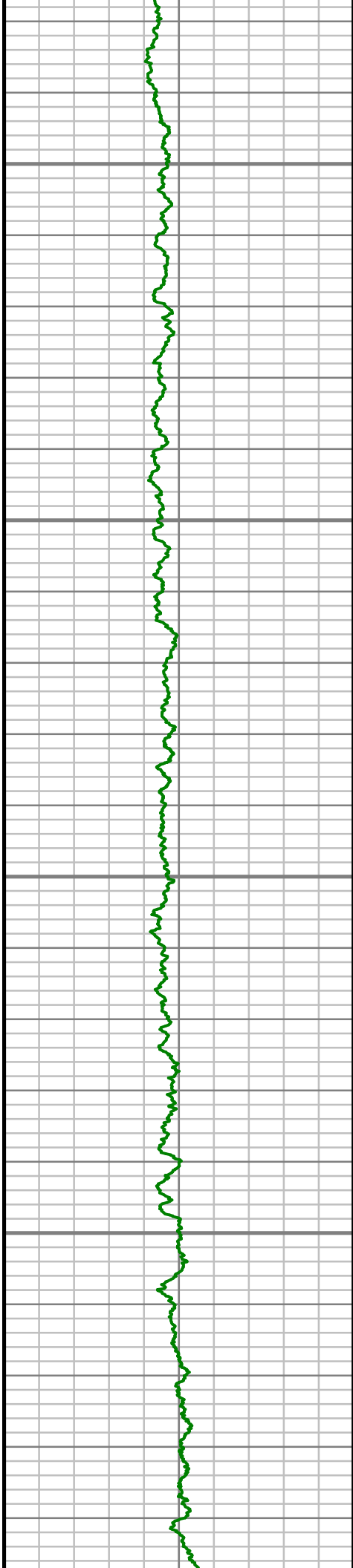
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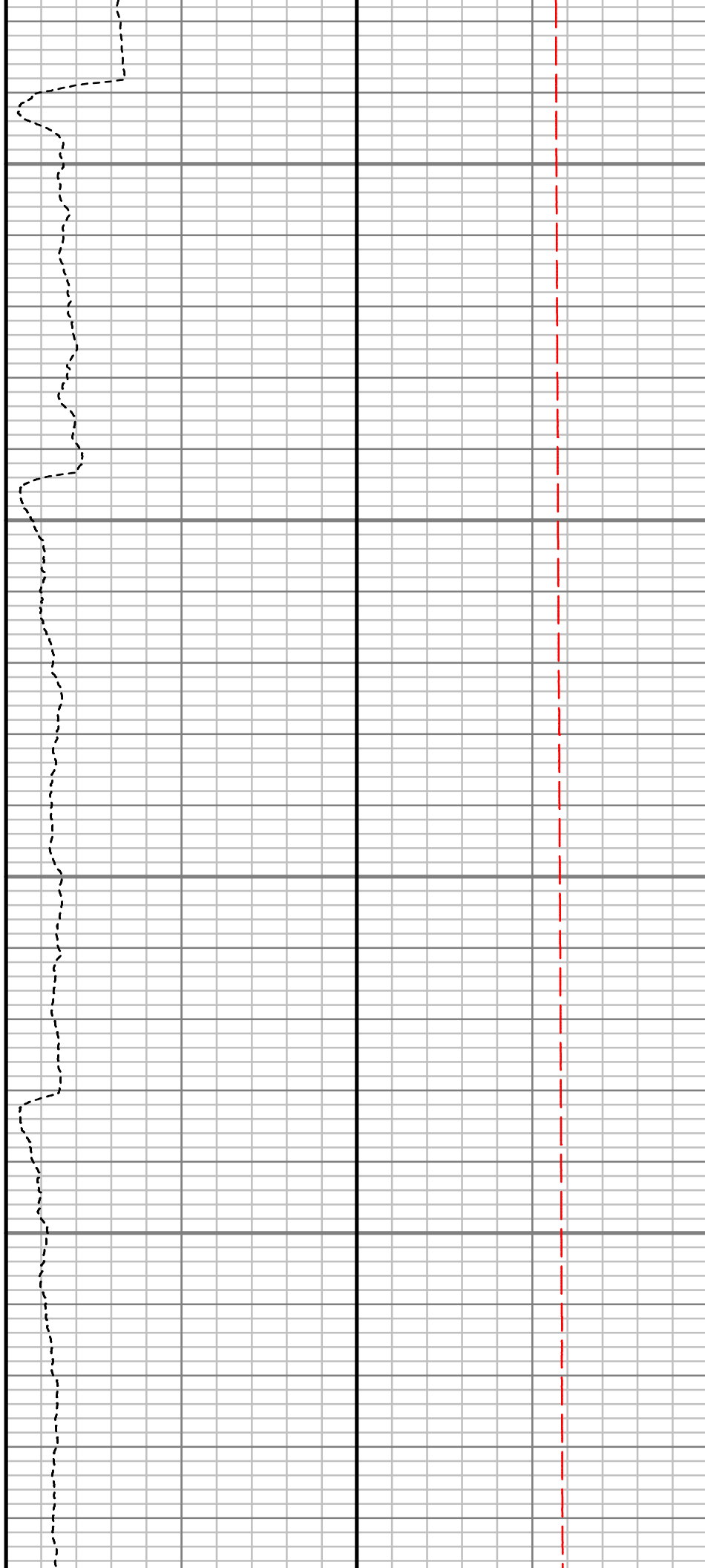


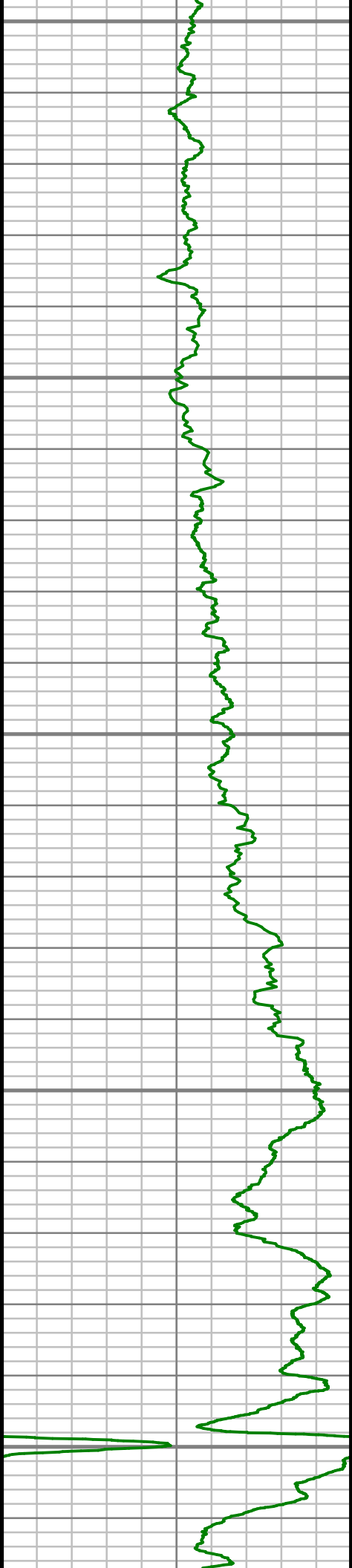
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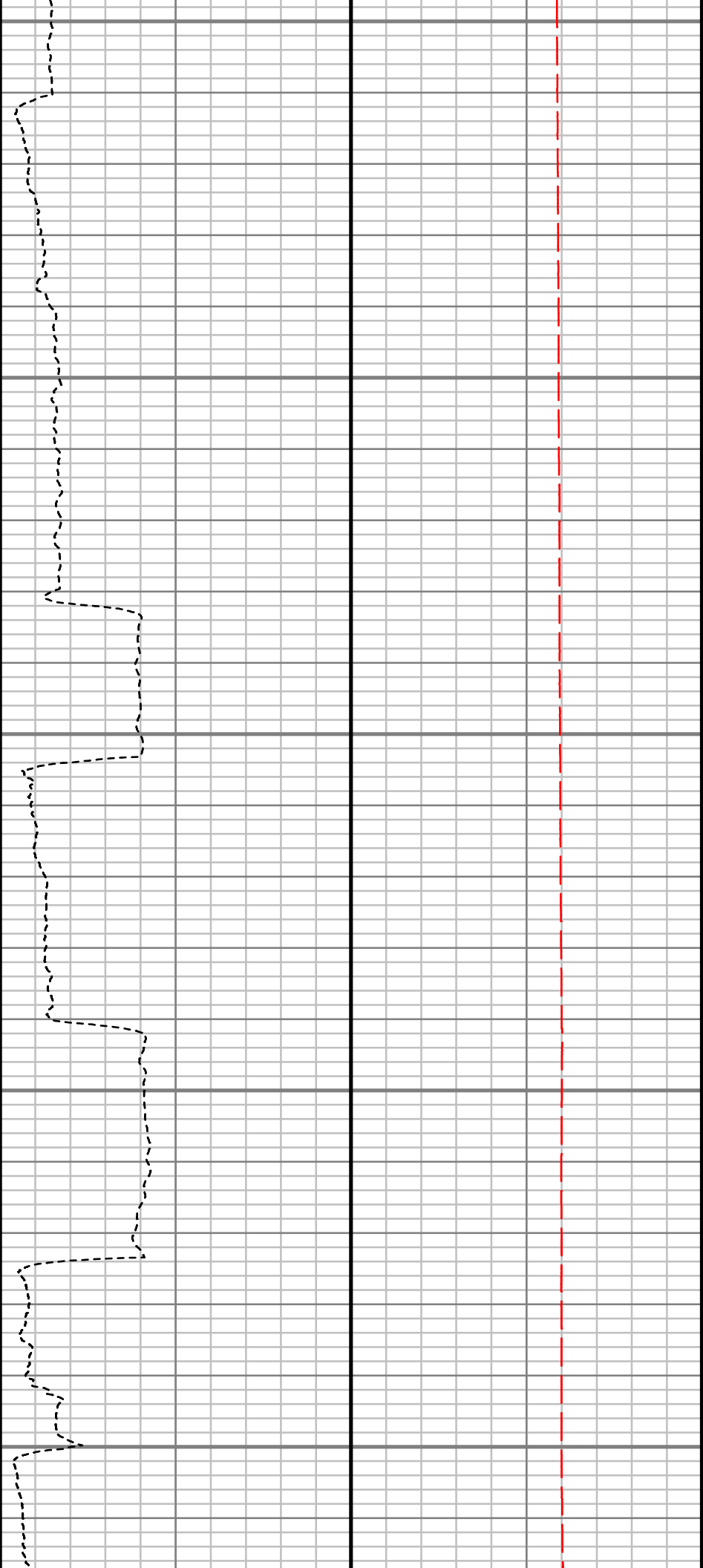
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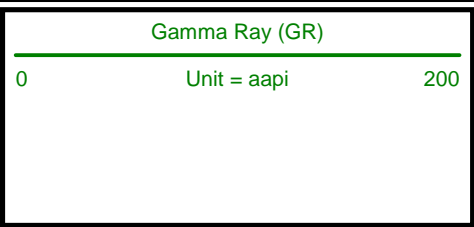
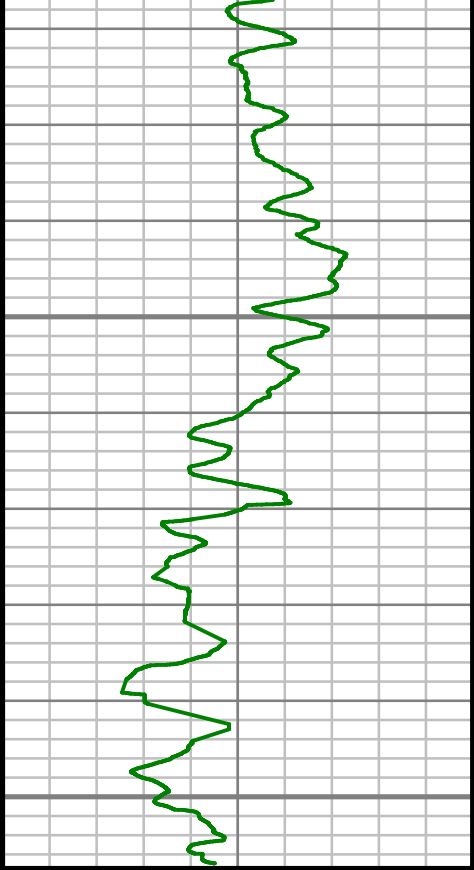
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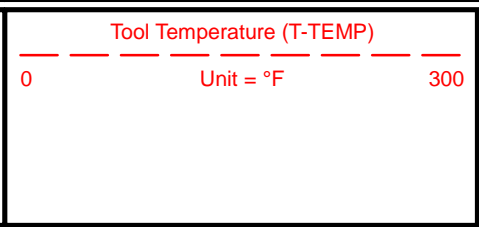
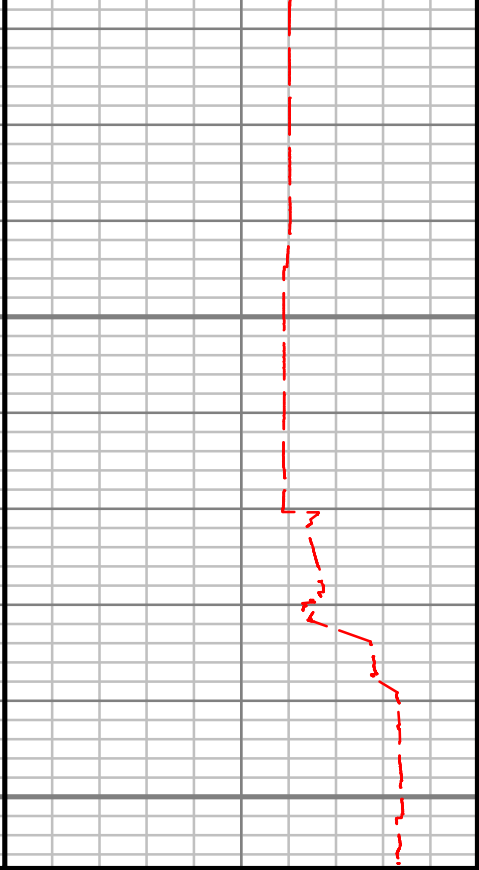
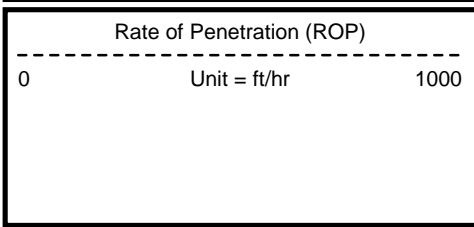
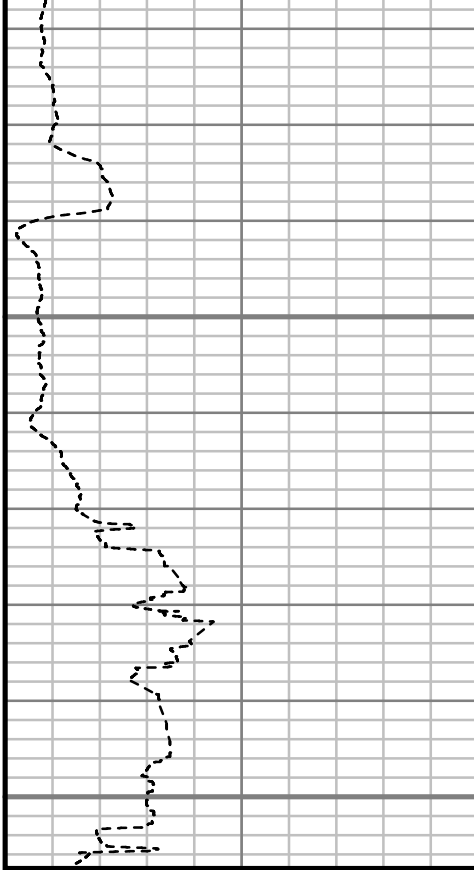




7300

7350

TRUE VERTICAL DEPTH
1240 (ft)



GAMMA RAY



5" = 100' TVD