



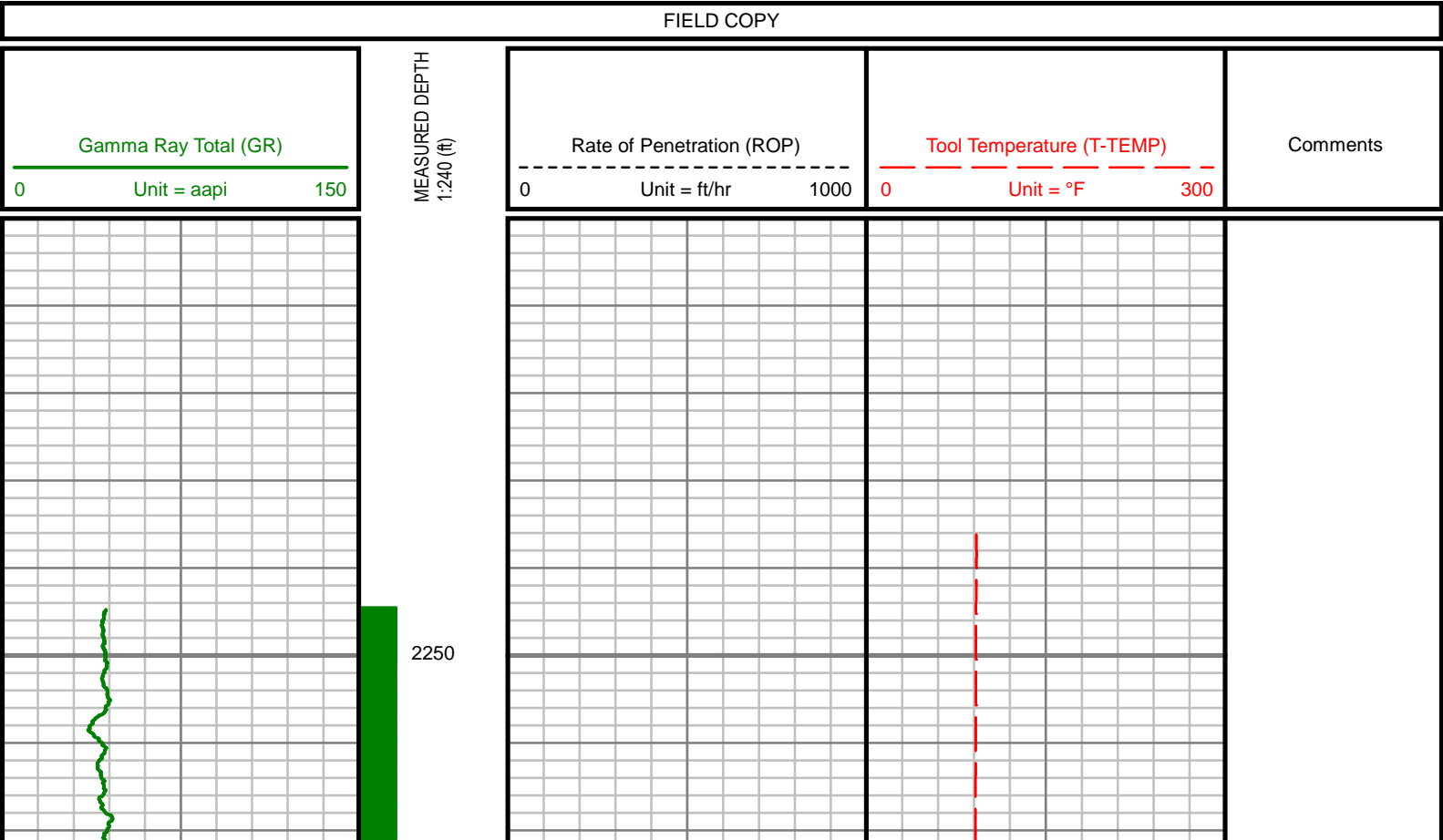
COMPANY : CRESTONE PEAK  
WELL : ECHEVERRIA 21-2H-D267  
FIELD : DJ BASIN  
COUNTY : WELD  
STATE : COLORADO  
COUNTRY : U.S.A.  
UWI :

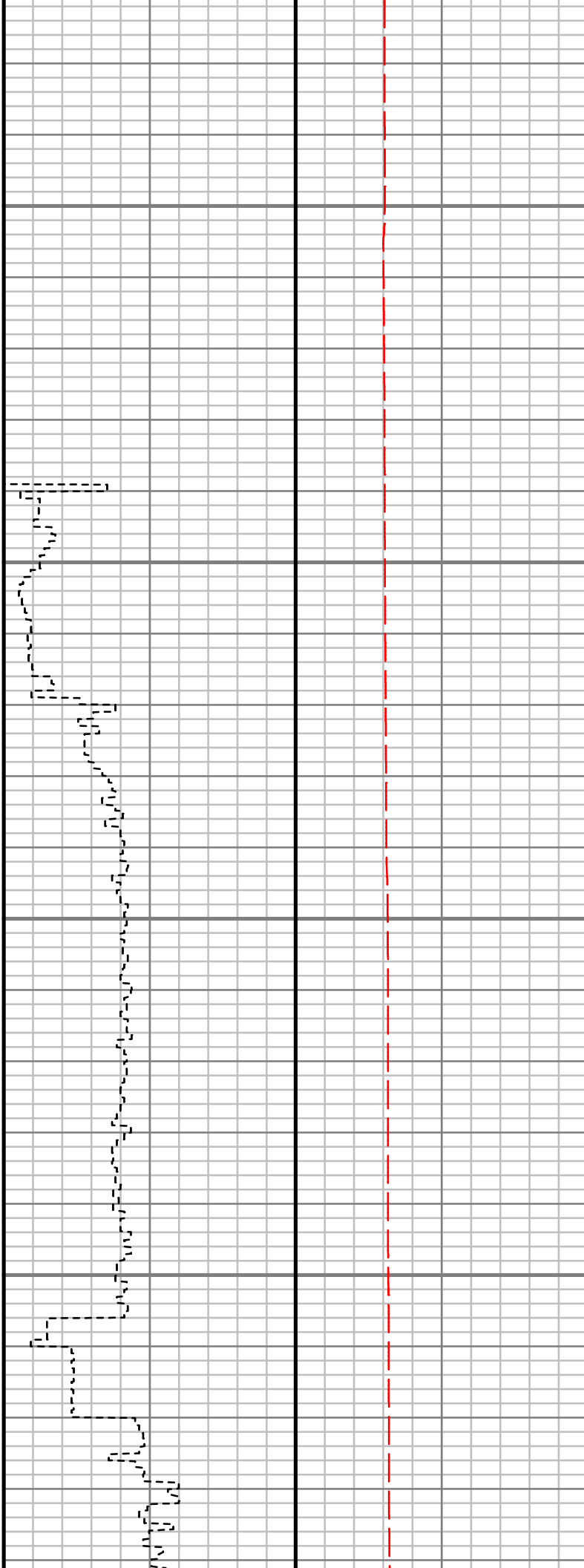
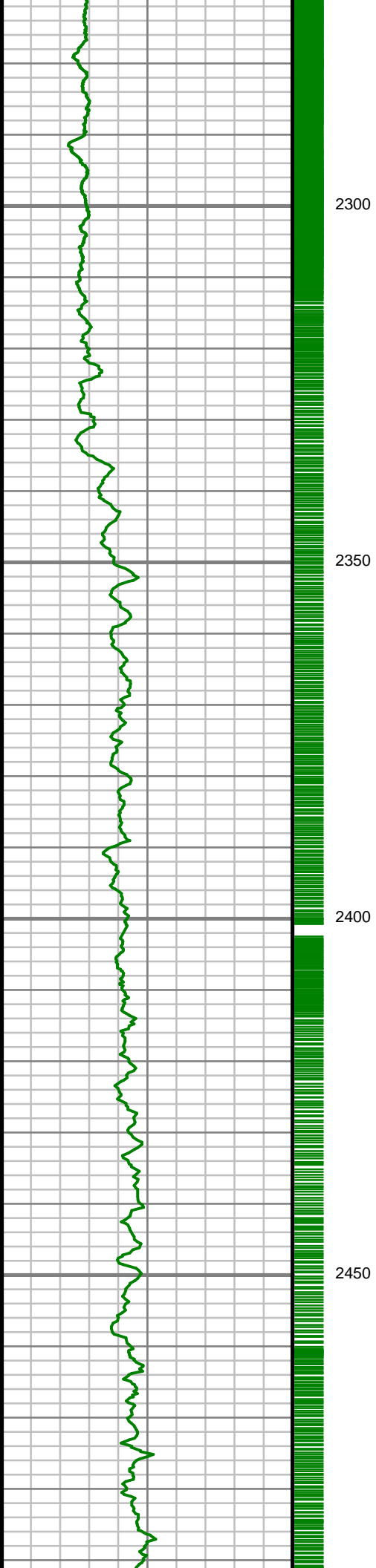
CASING SIZE in	FROM ft	TO ft			
9.625	0	2291			
7	0	12237	DRILLING CO. : ENSIGN		
			RIG : 142		
			LWD UNIT NO. : KIT ELECTRDISTRICT : GRAND JUNCTION		
			SPUD DATE : 4/4/2019		
			LWD START DATE : 4/4/2019	DEPTH : 2236 ft	
			LWD END DATE : 04/07/2019	DEPTH : 12196 ft	
				TOTAL DEPTH : 12247 ft	

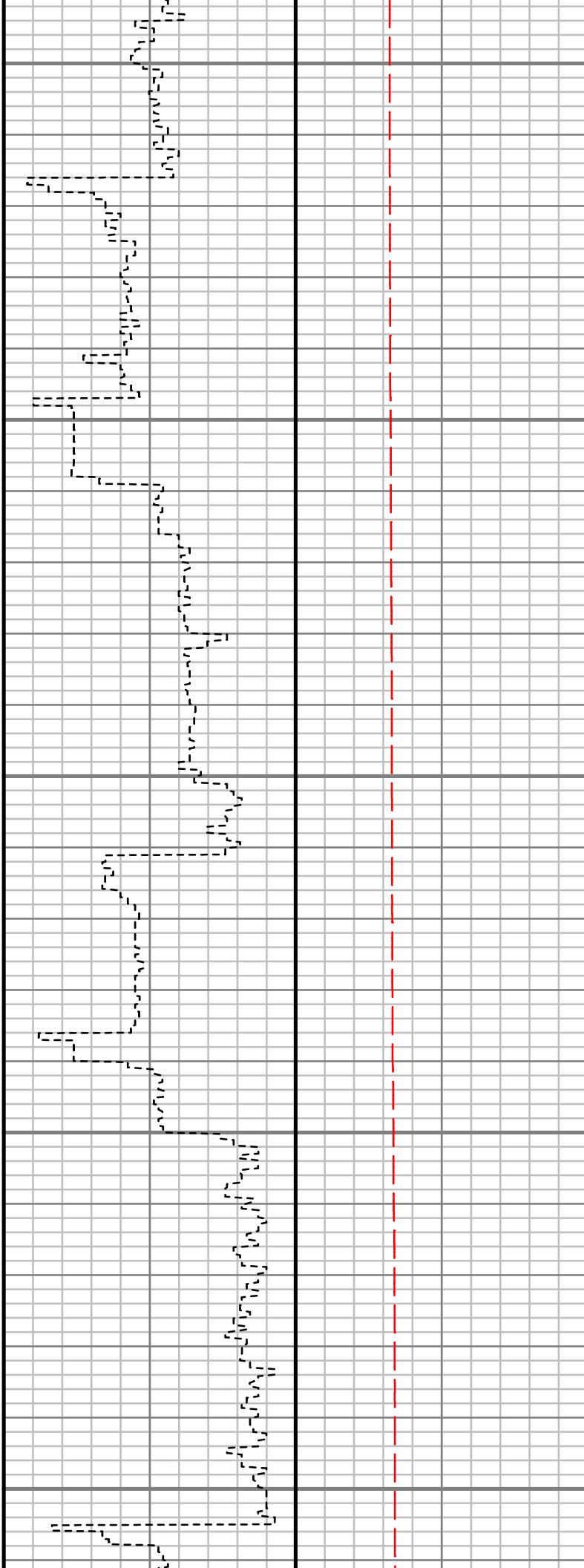
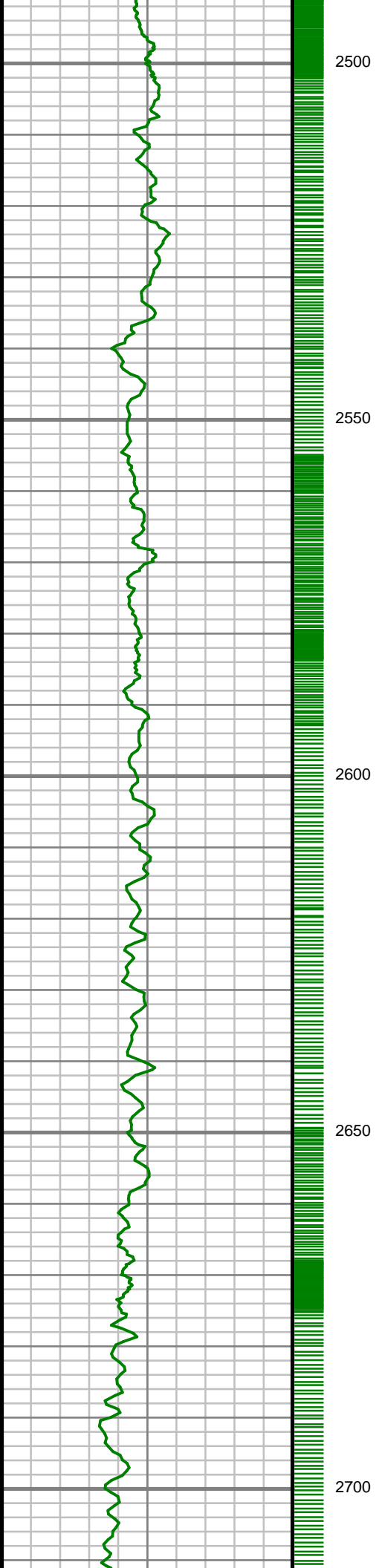
Run Data						
RUN NUMBER	1	2				
START DATE	4/4/2019	4/6/2019				
START TIME	02:45	10:15				
END DATE	4/6/2019	04/07/2019				
END TIME	10:15	18:00				
DEPTH IN (ft)	2339	9843				
DEPTH OUT (ft)	9843	12247				
LOG TOP (ft)	2236	9794				
LOG BOTTOM (ft)	9791	12196				
HOLE SIZE (in)	8.5	8.5				
MUD DATA @ (ft)	8248	9843				
MUD TYPE	NEO FLOW	NEO FLOW				
DENSITY (lb / gal)	10.15	10.3				
VISCOSITY (s / qt)	42	47				
pH	N/A	N/A				
FLUID LOSS (cm3 / 30)	20	20				
SALINITY (ppm)	29,000	29,000				
Rm (ohmm @ deg F)	-	-				
Rmf (ohmm @ deg F)	-	-				
MAX TEMP (deg F)	244	245				
Rm @ MAX TEMP (ohmm)	-	-				
LWD ENGINEER #1	R.CUEVAS	R.CUEVAS				
LWD ENGINEER #2	R.TOMLINSON	R.TOMLINSON				
LWD ENGINEER #3						
LOG WITNESS #1						
LOG WITNESS #2						

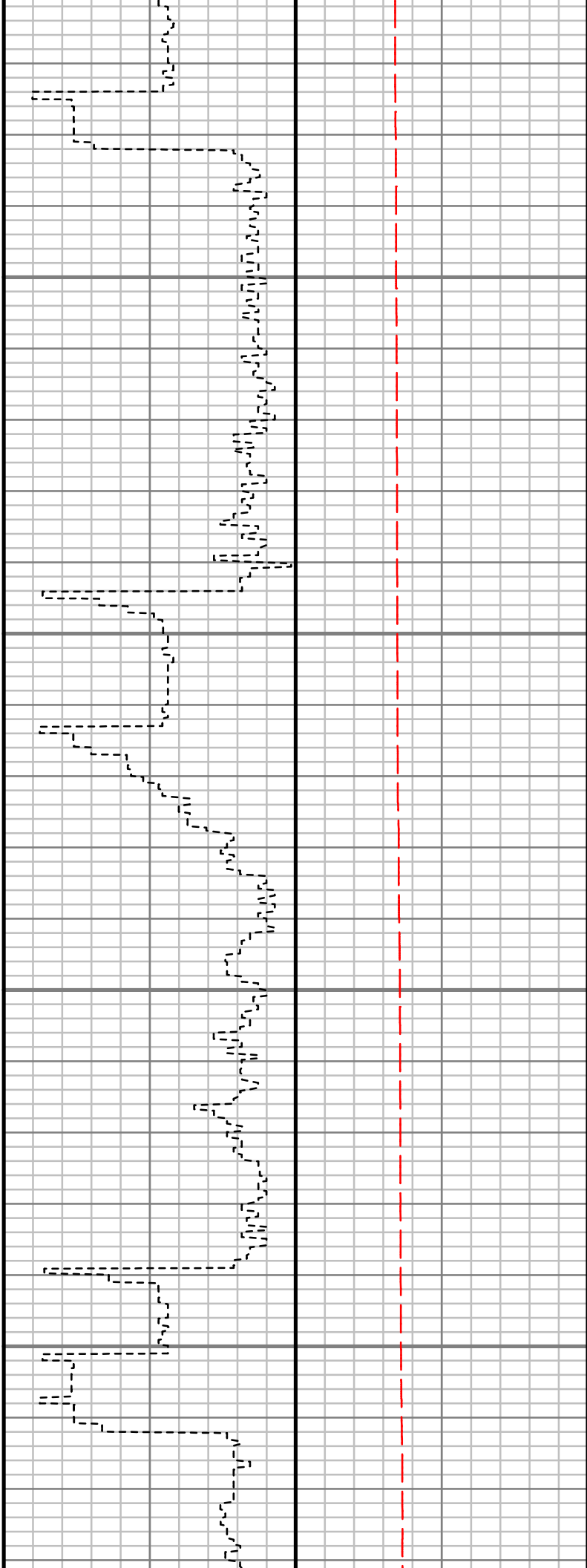
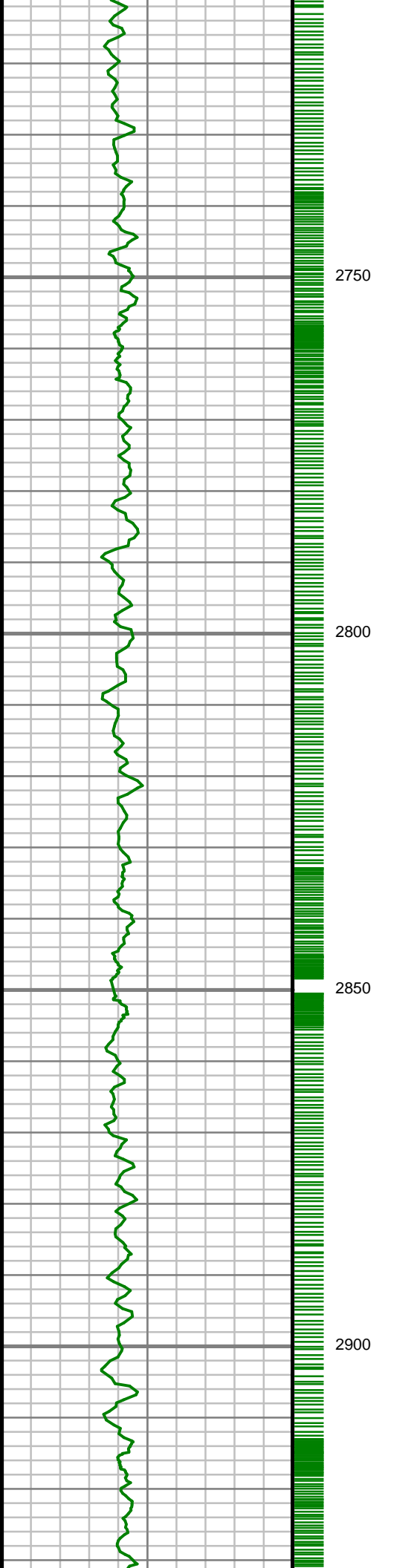
Remarks
CRESTONE PEAK PRODUCTION AFE#
SCIENTIFIC DRILLING INTERNATIONAL JOB# OP.017727
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY TOTAL CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO TOOL TEMPERATURE CURVE
RUN #1: MP / GAMMA RAY
SENSORS S/N: CONTROLLER=247 / MWD EYE=1179 / GAMMA RAY=1476
SENSOR OFFSETS (FT.): CONTROLLER=73.10 / MWD EYE=63.93 / GAMMA RAY=55.28
RUN #2: MP / GAMMA RAY
SENSORS S/N: CONTROLLER=309 / MWD EYE=1136 / GAMMA RAY=1387
SENSOR OFFSETS (FT.): CONTROLLER=68.95 / MWD EYE=60.00 / GAMMA RAY=51.13
MNEMONICS LIST:
GR = GAMMA RAY TOTAL
ROP = RATE OF PENETRATION
T-TEMP = TOOL TEMPERATURE

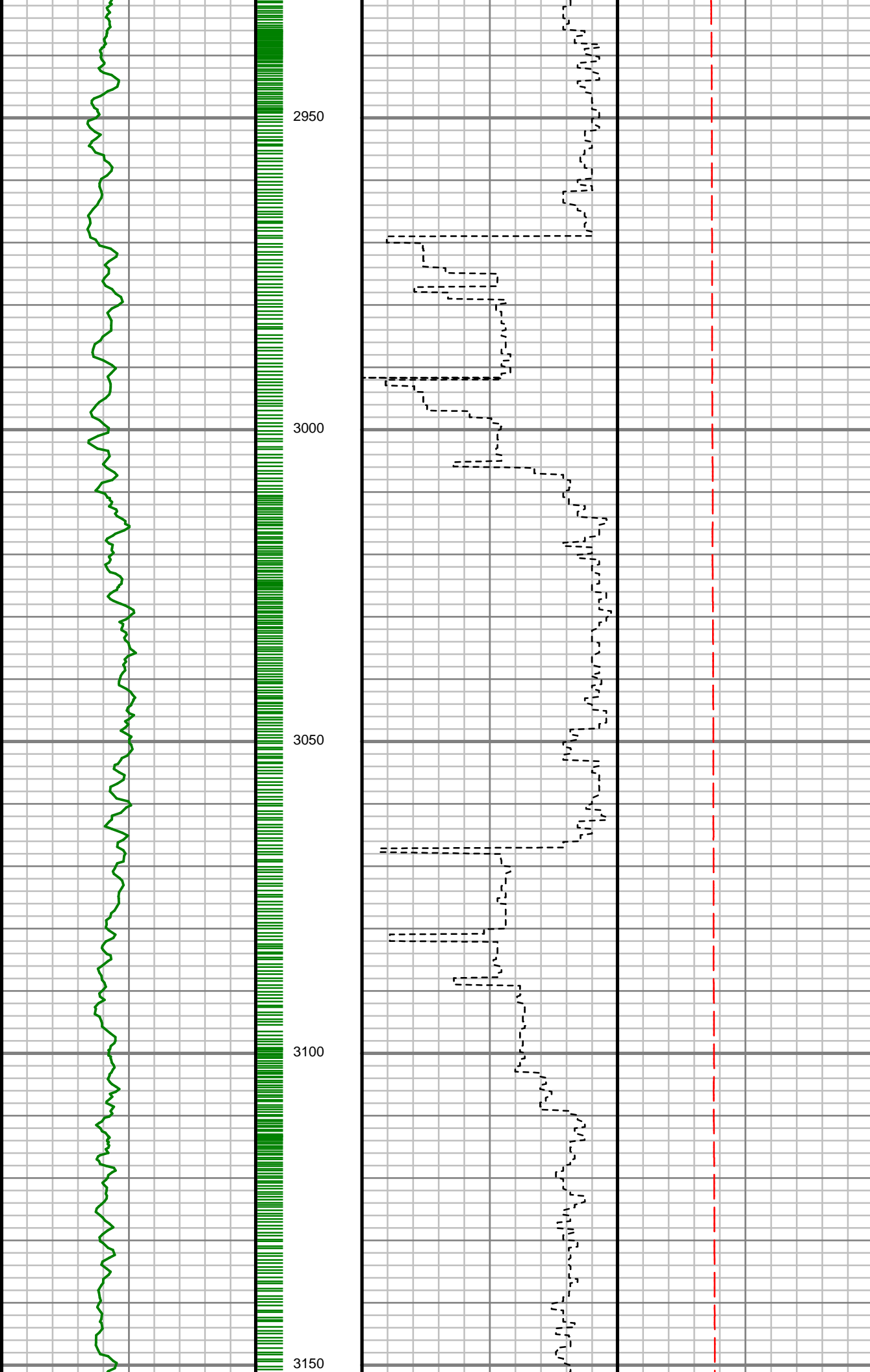
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

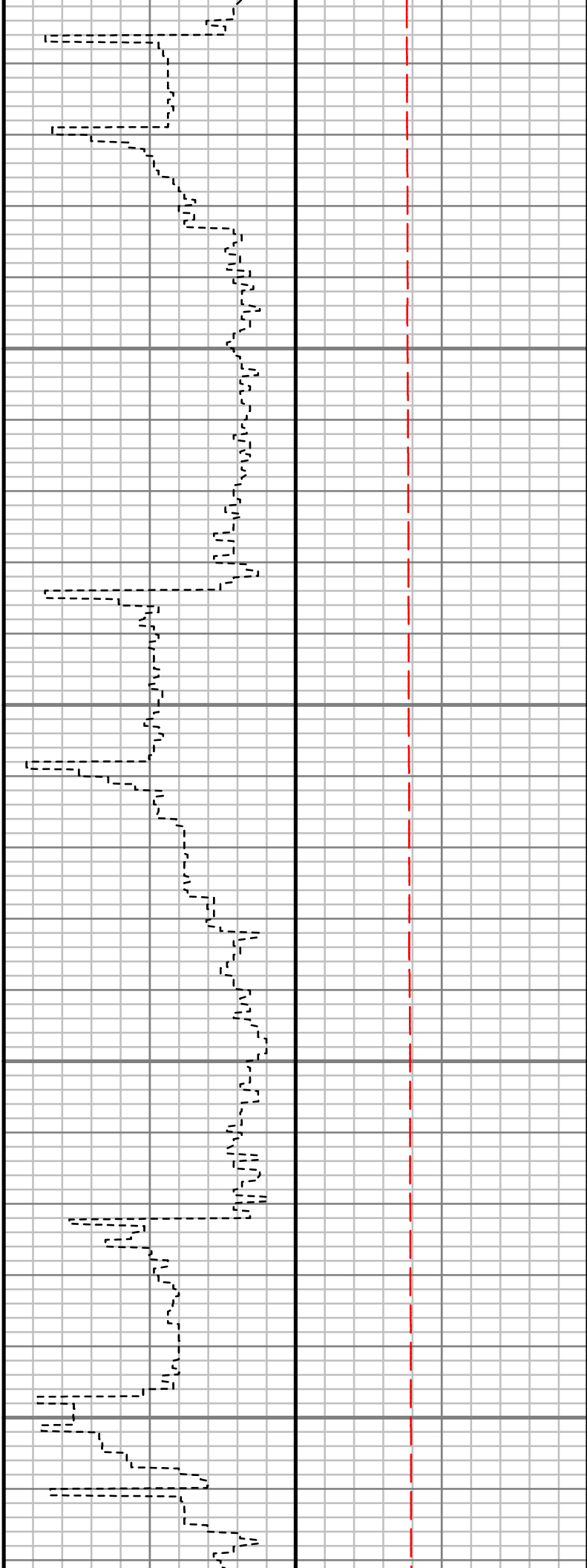
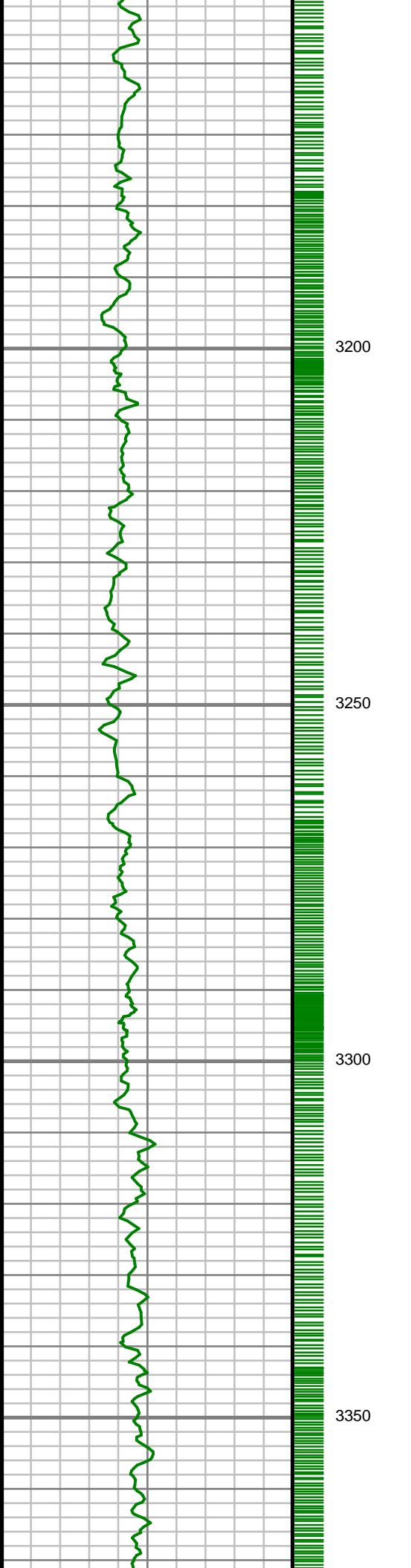


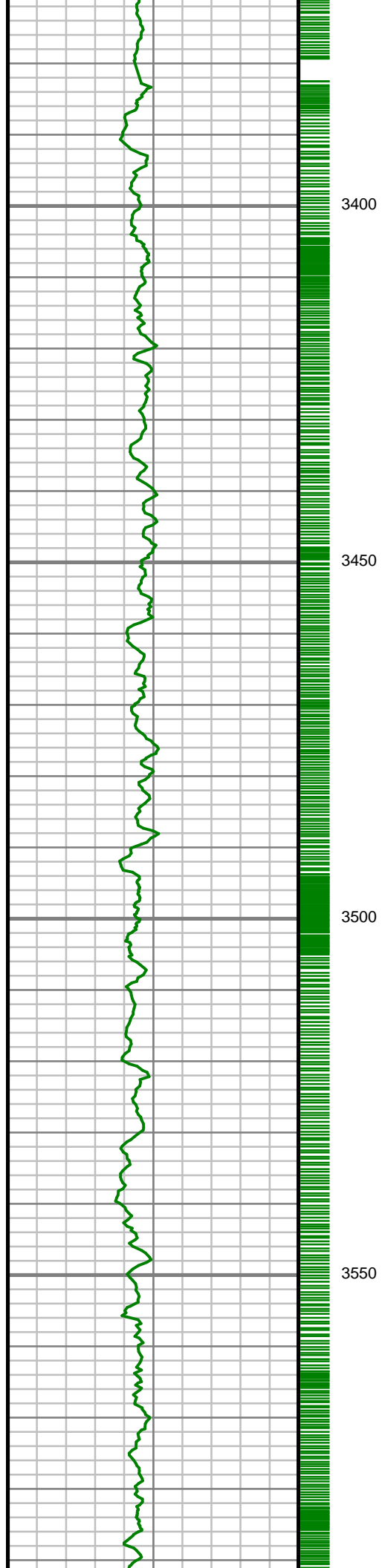










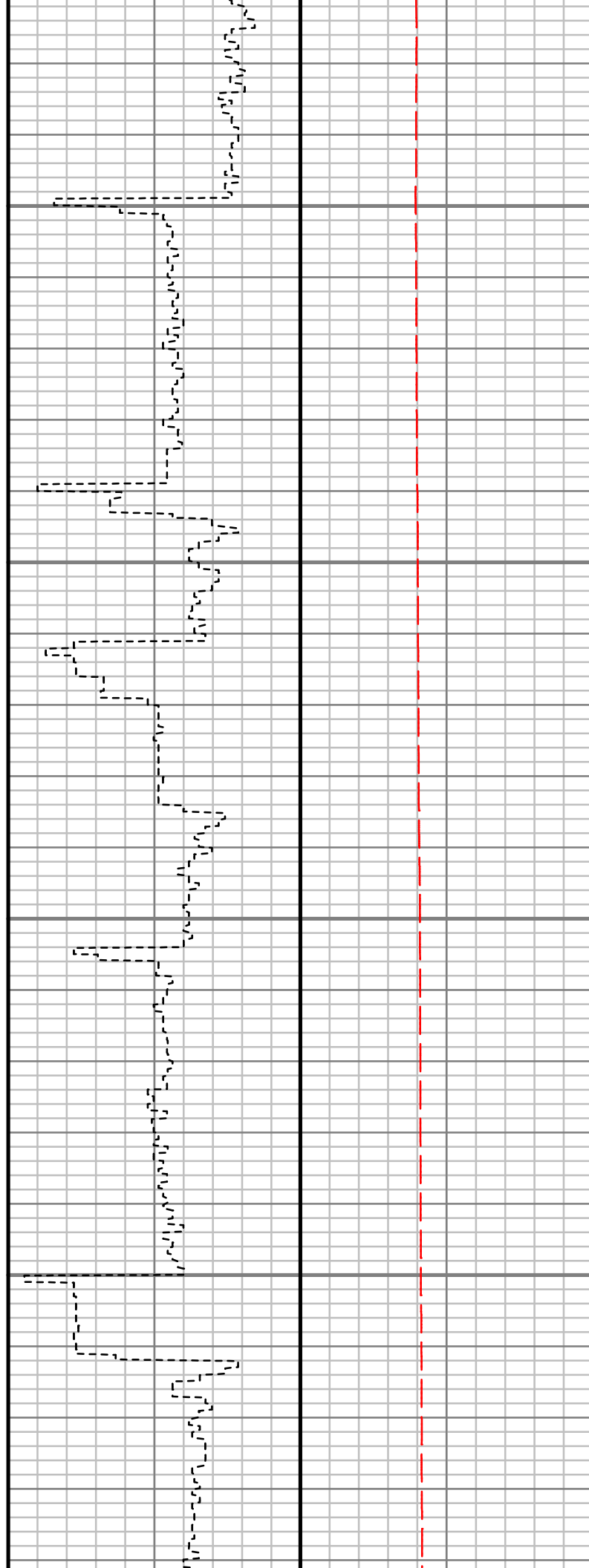


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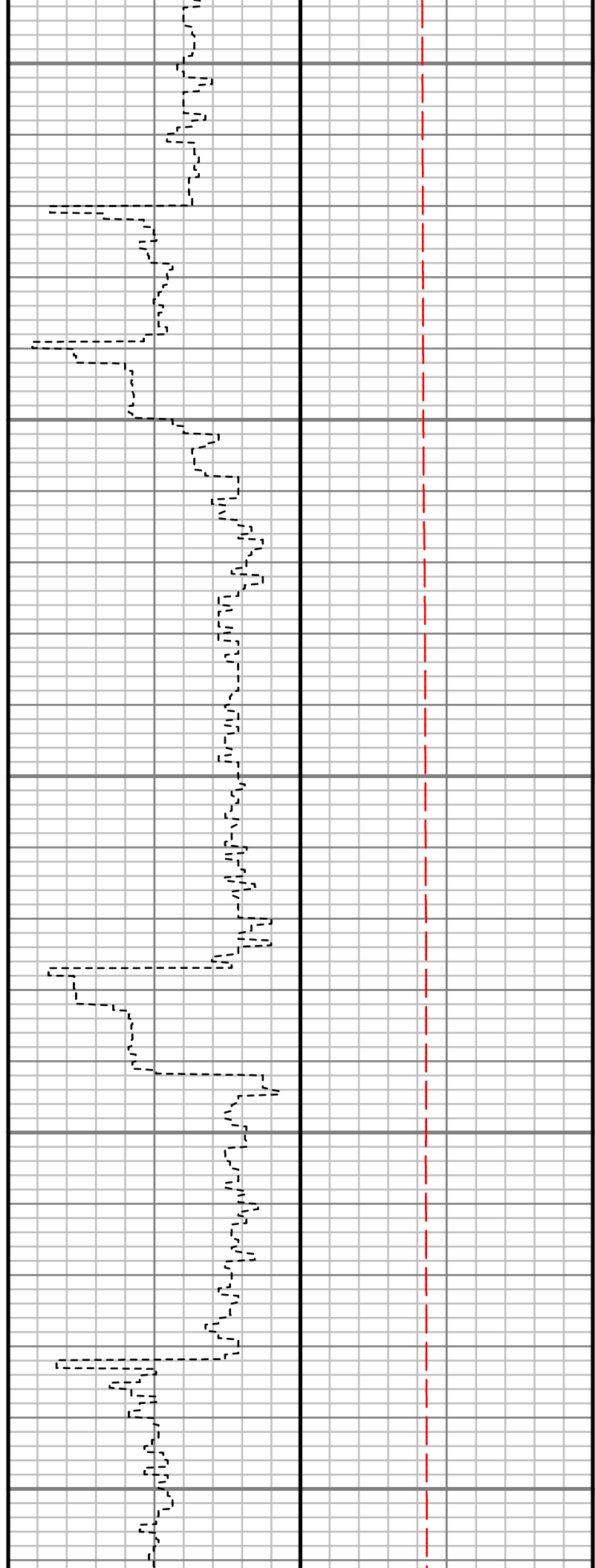
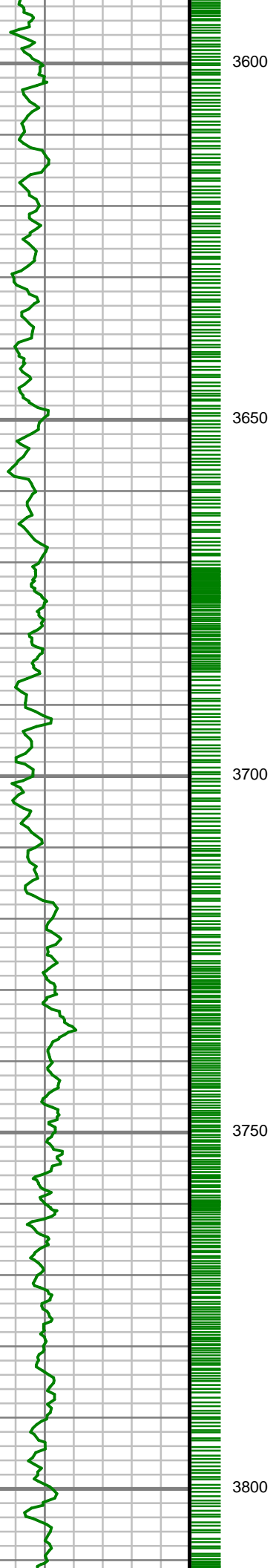
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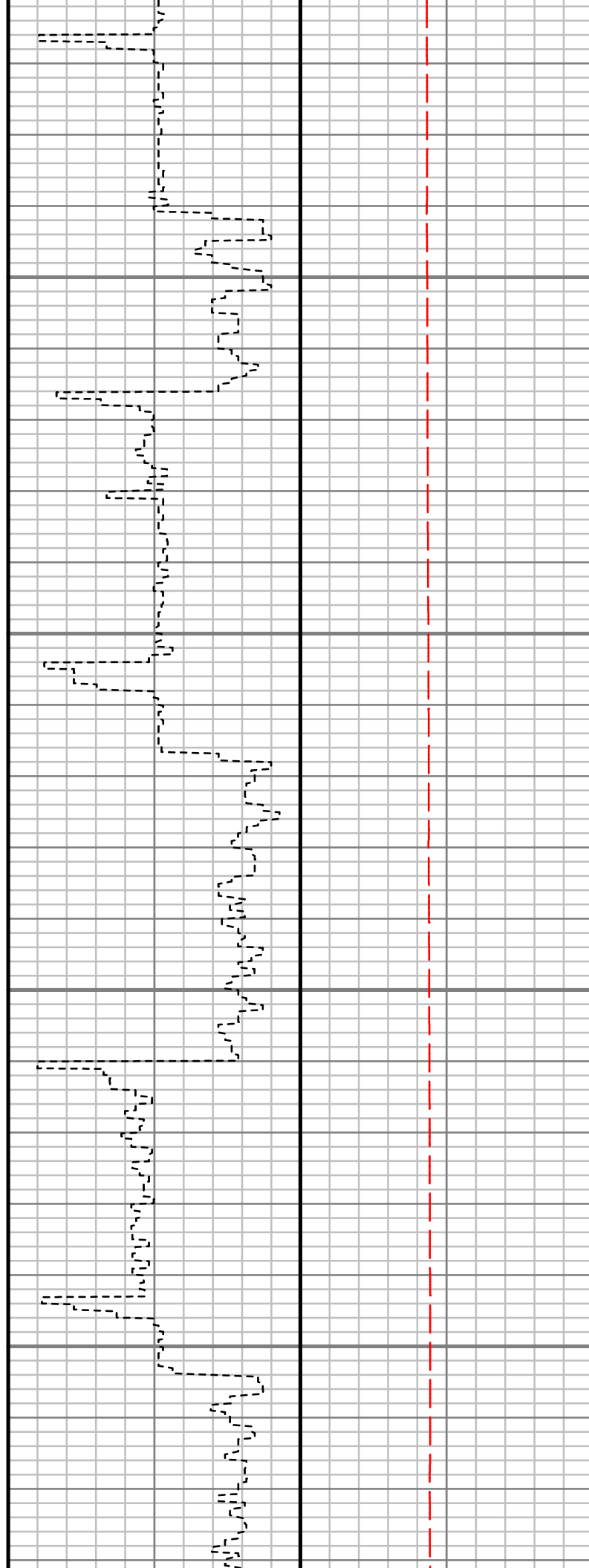
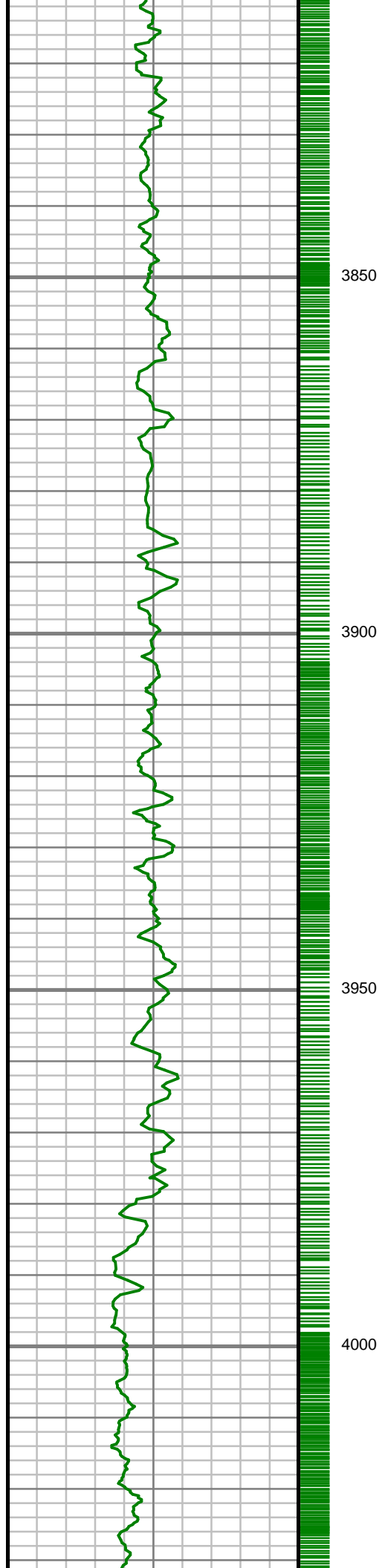
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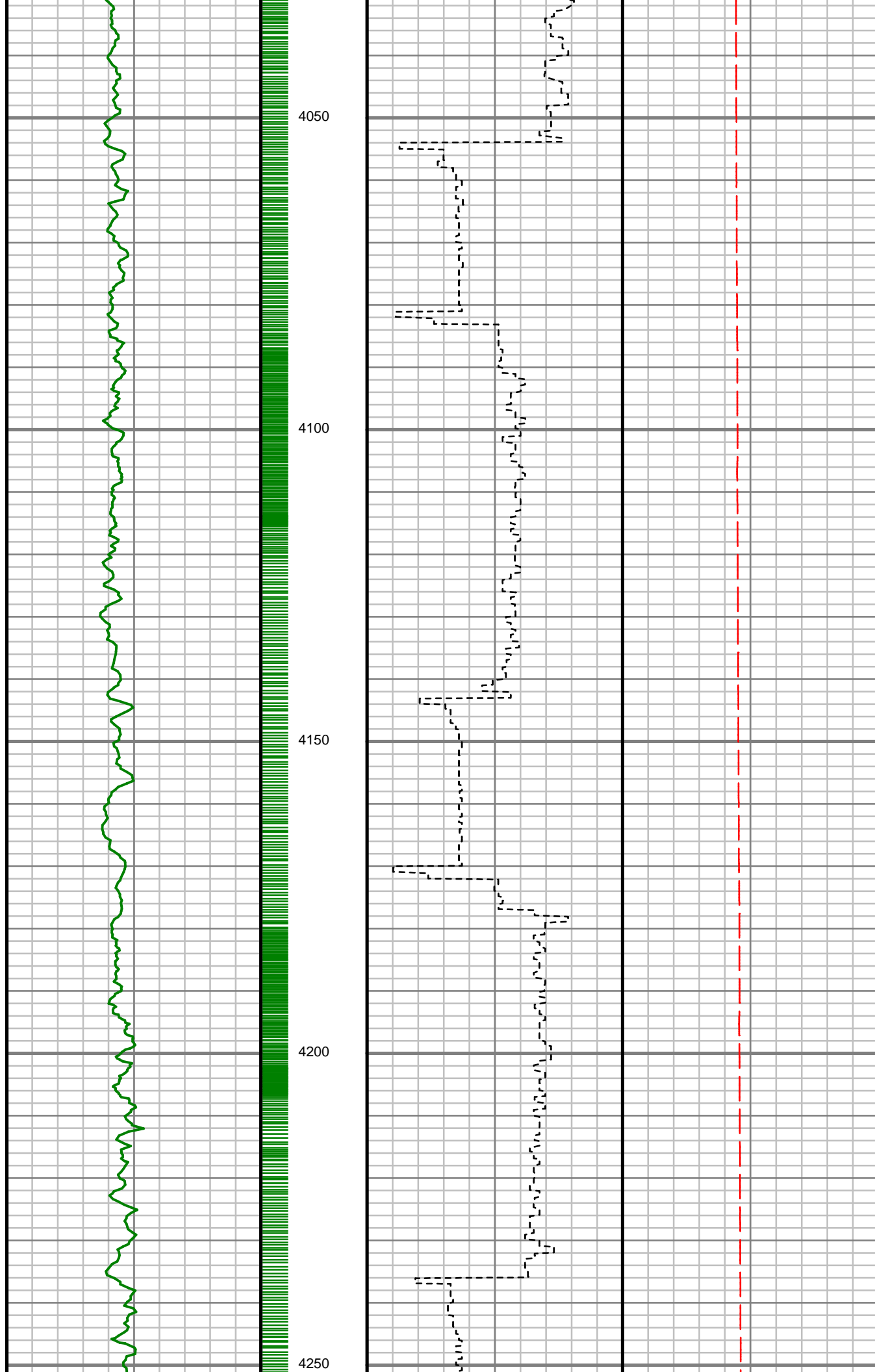
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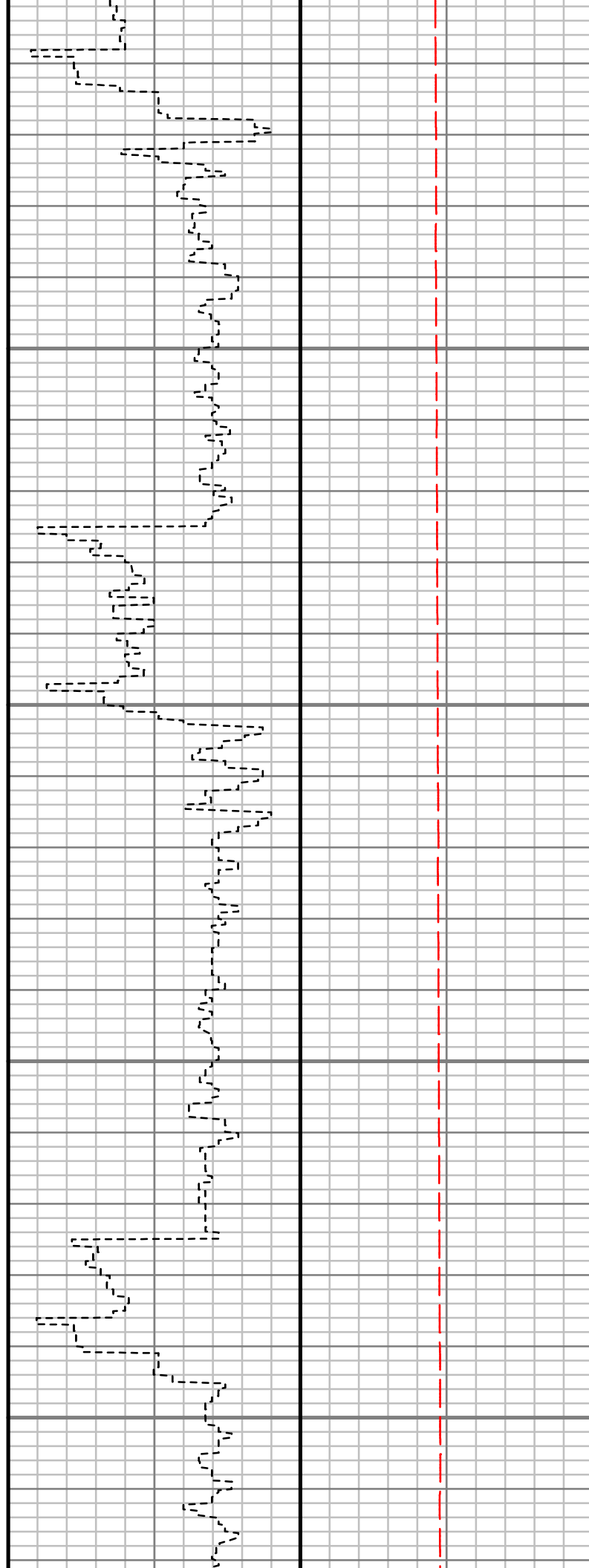
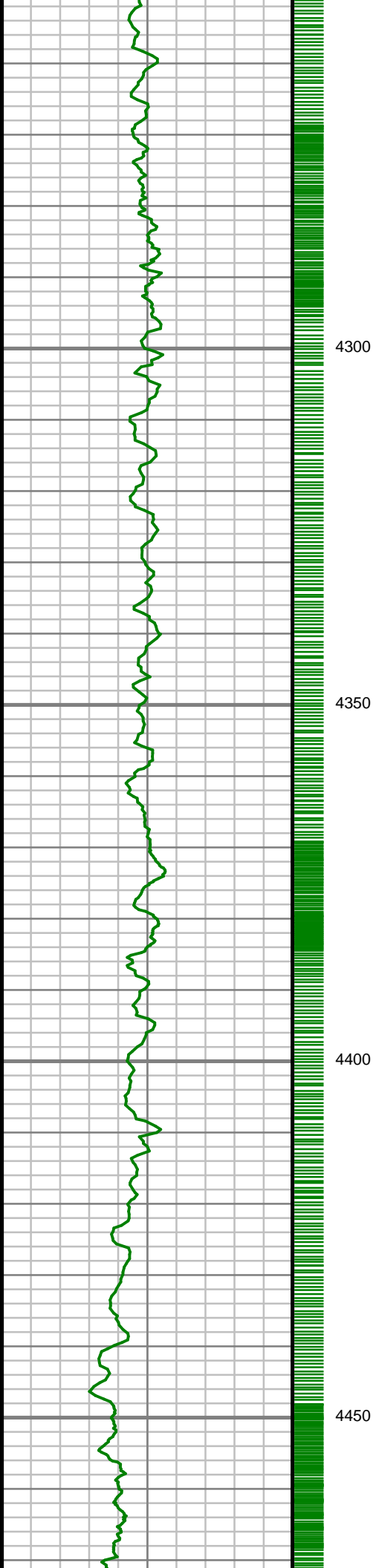


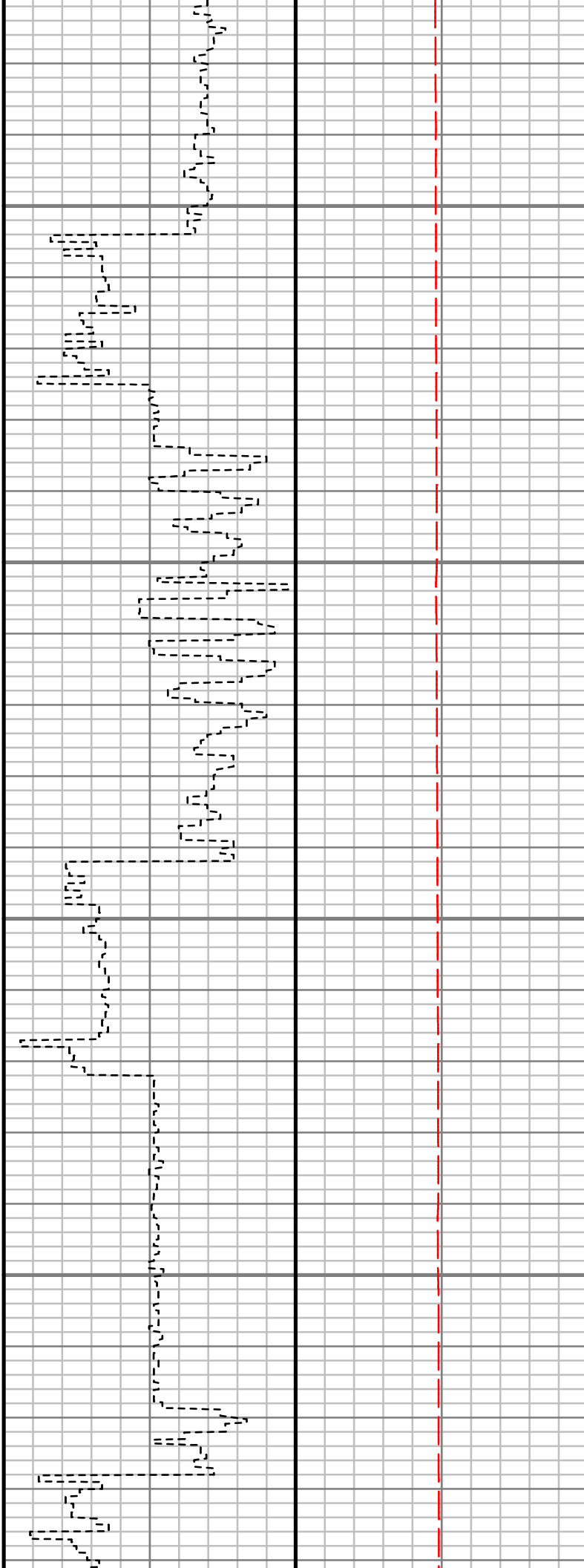
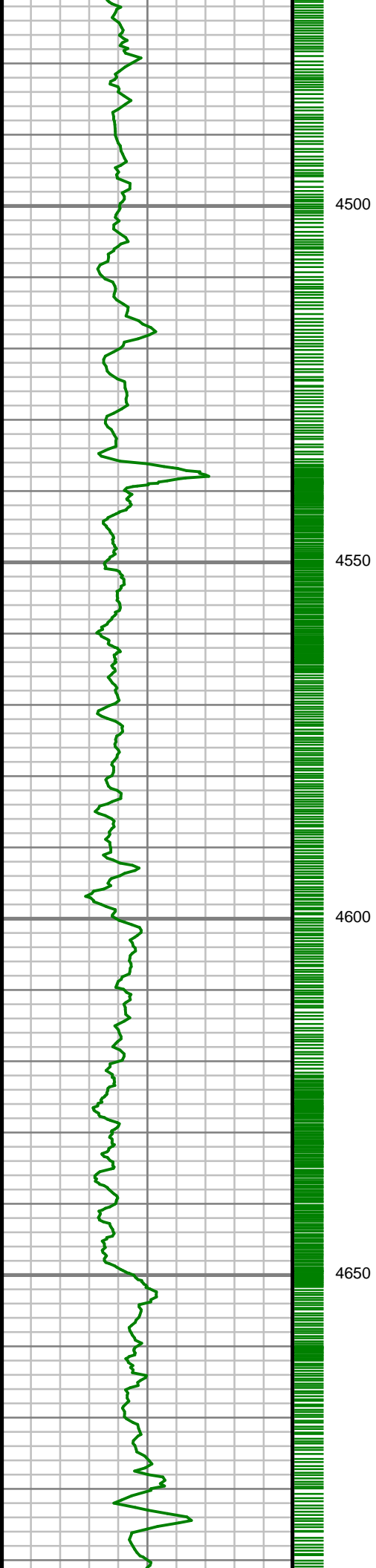


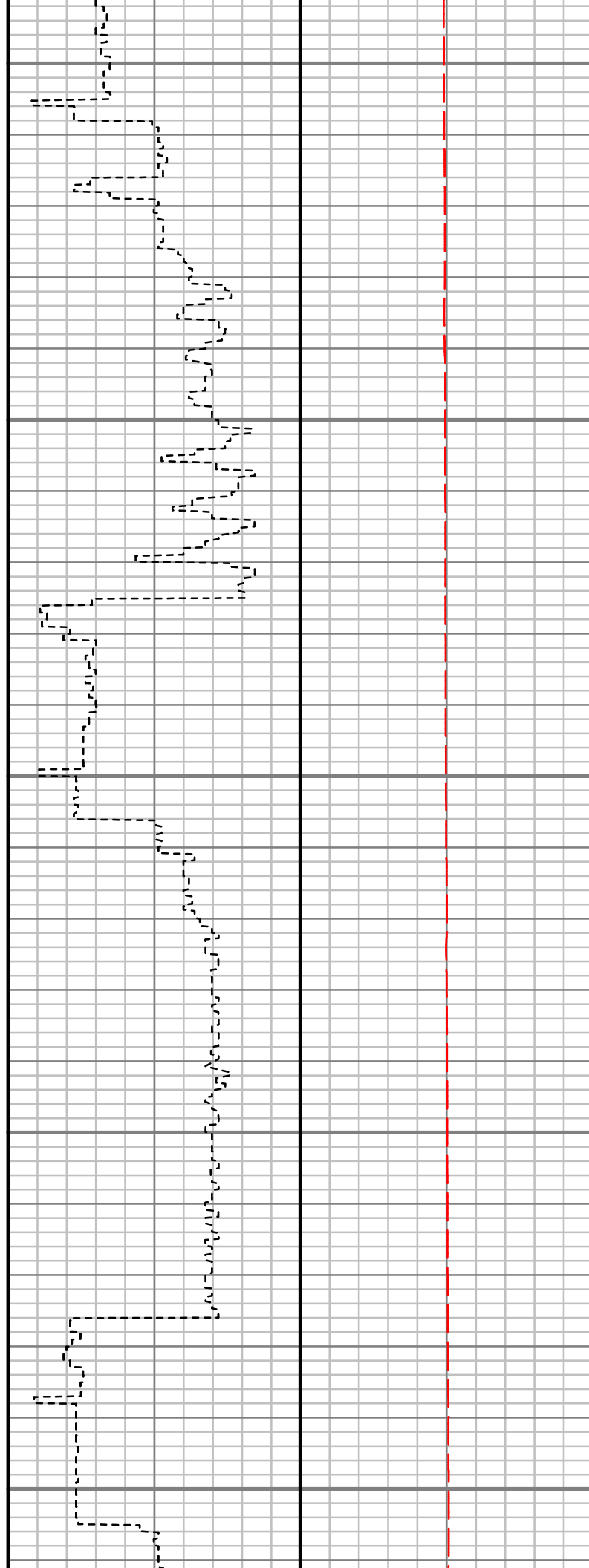
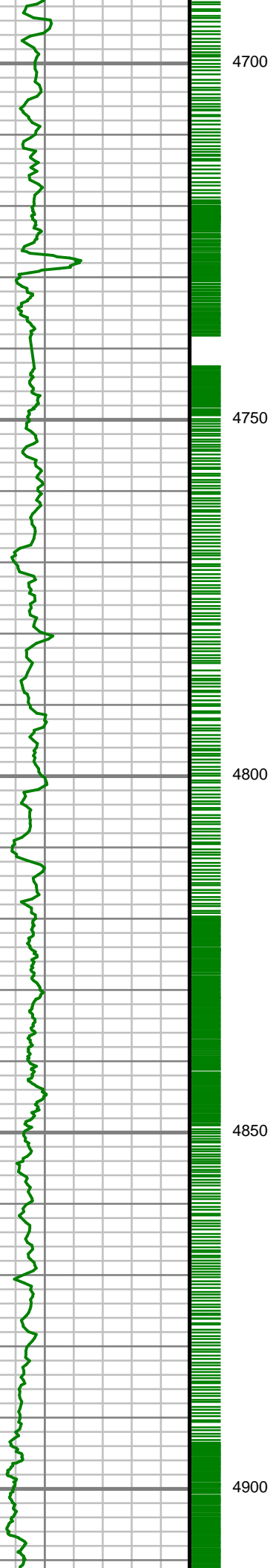


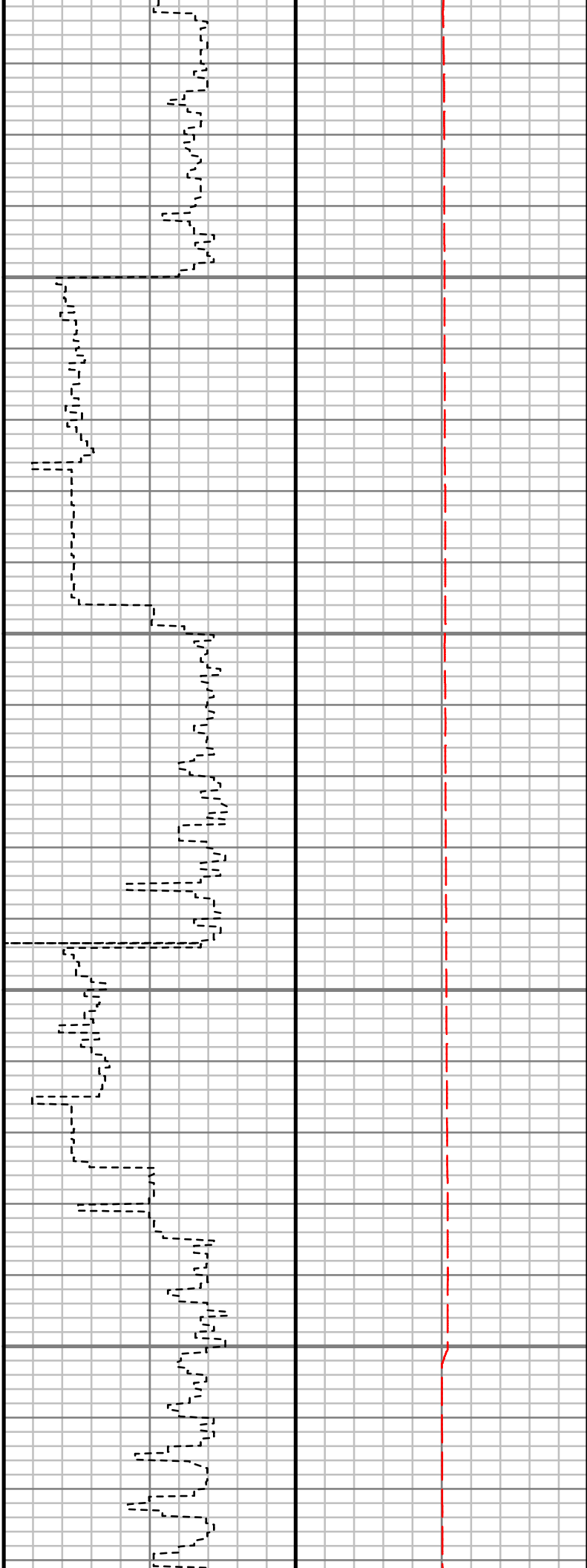
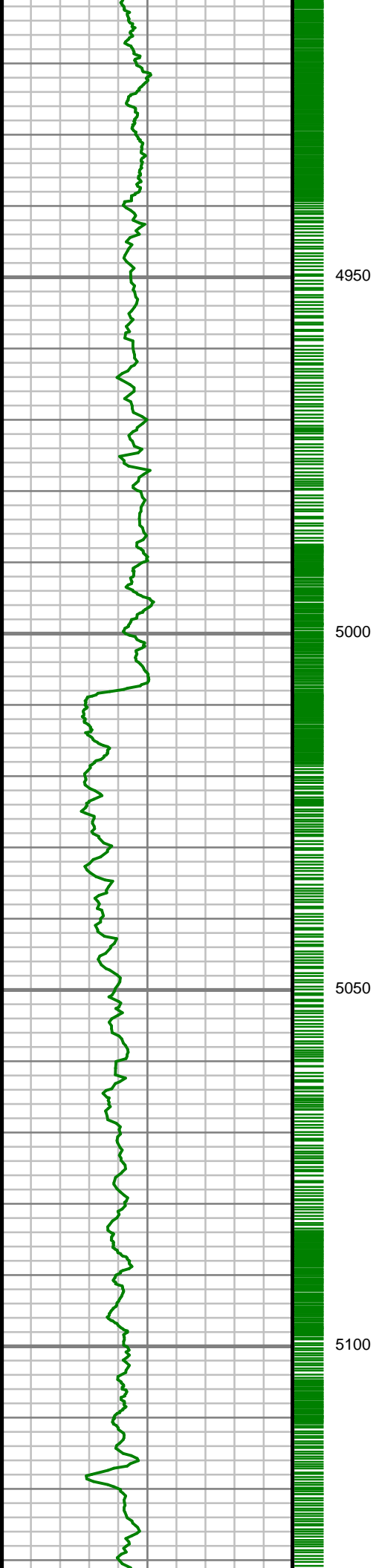


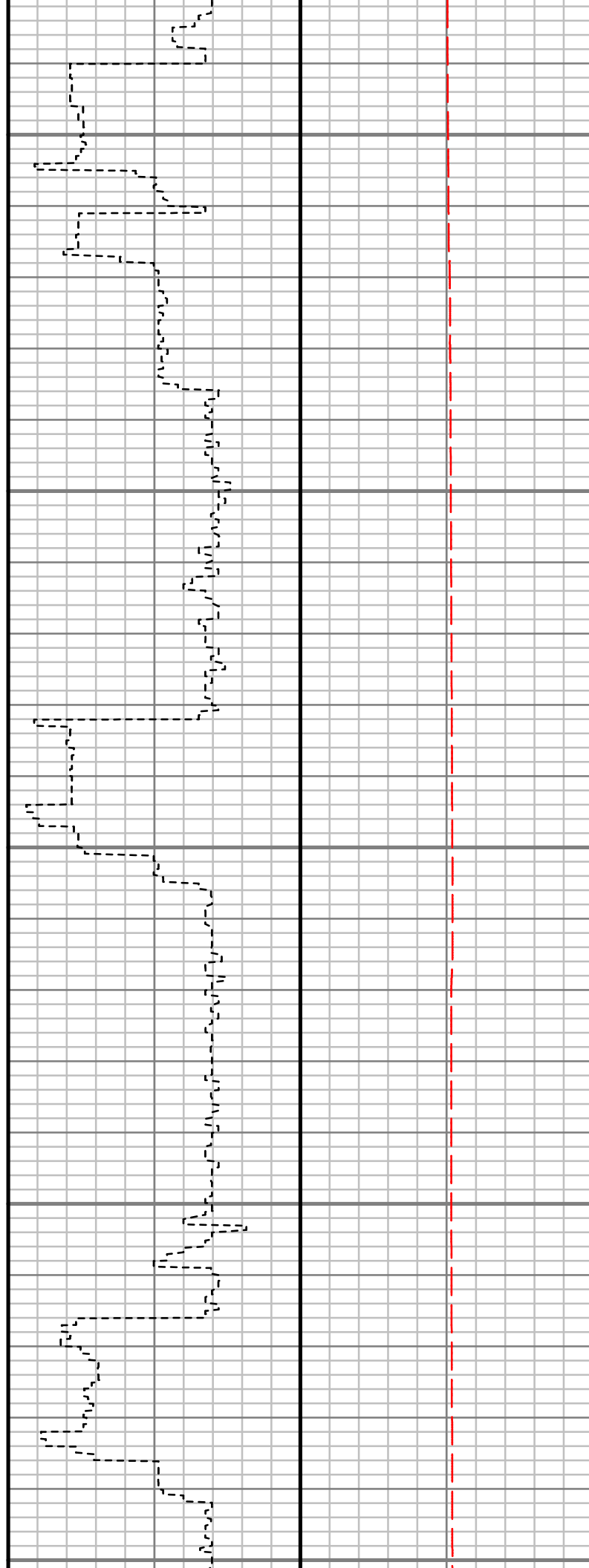
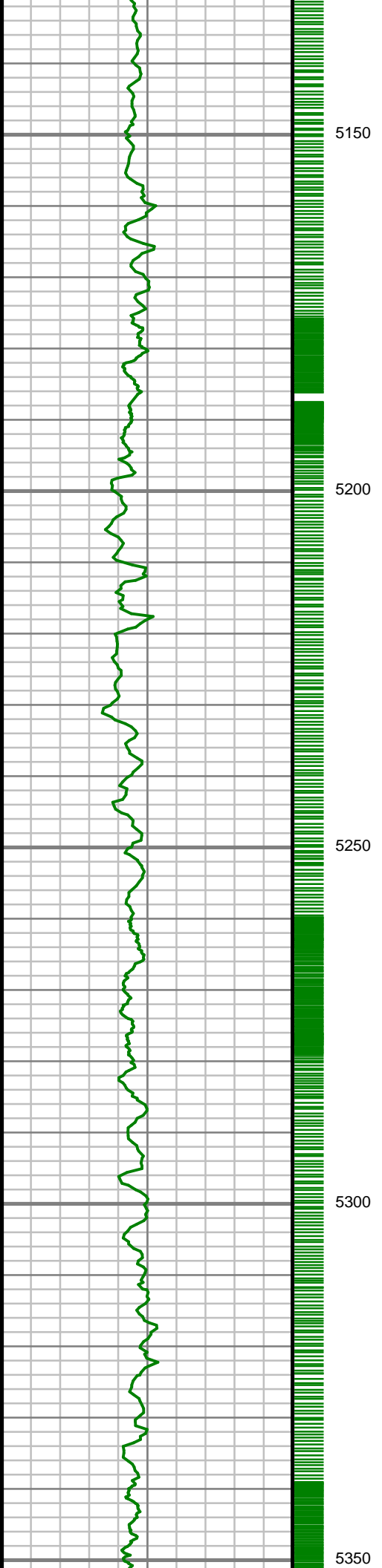




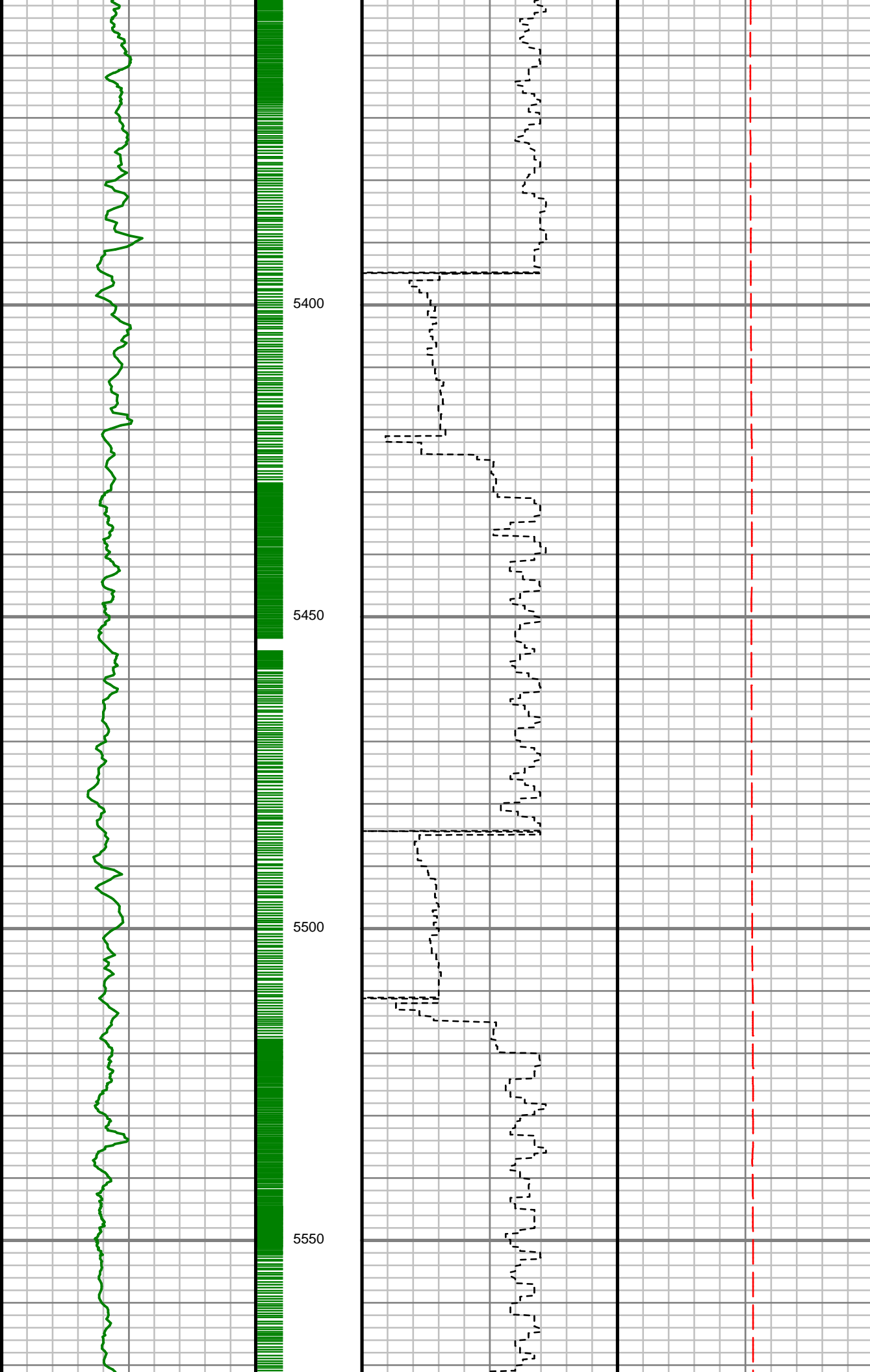


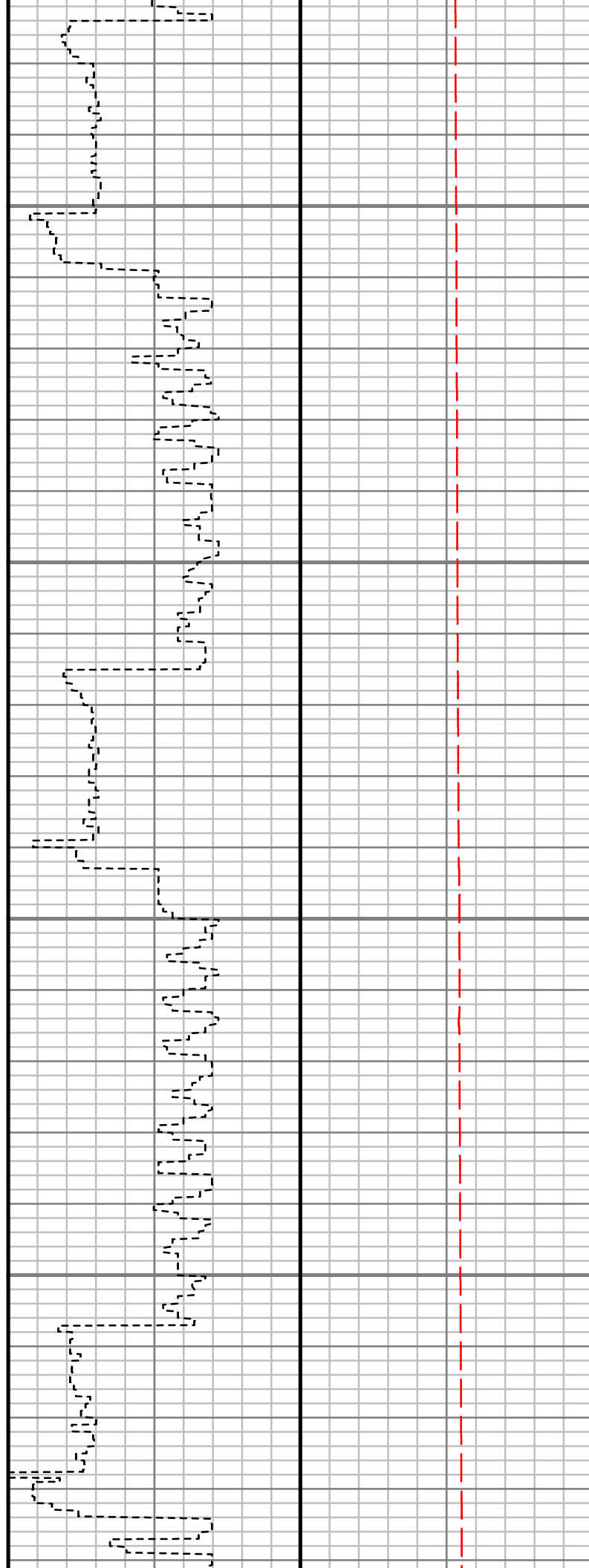
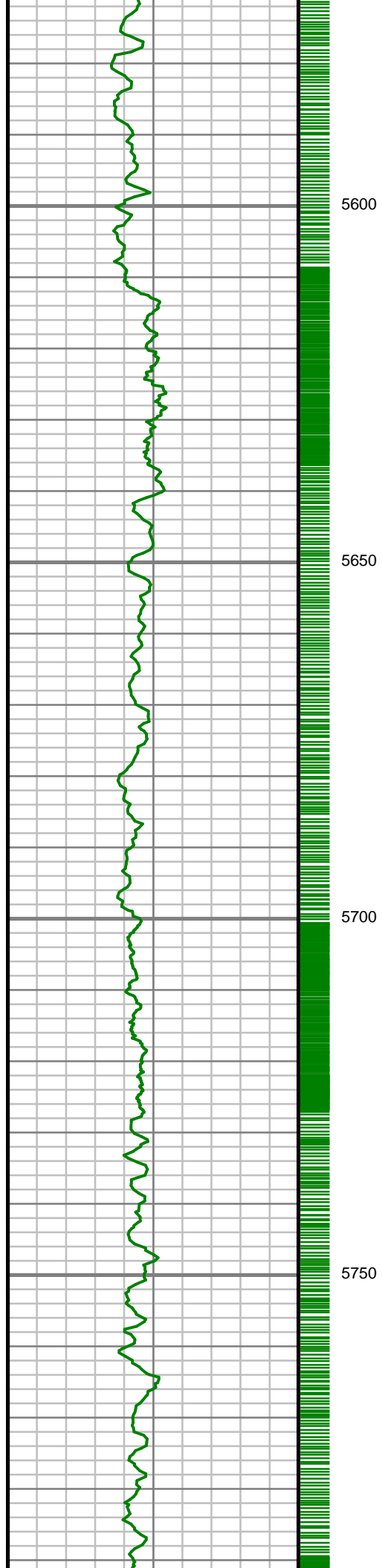


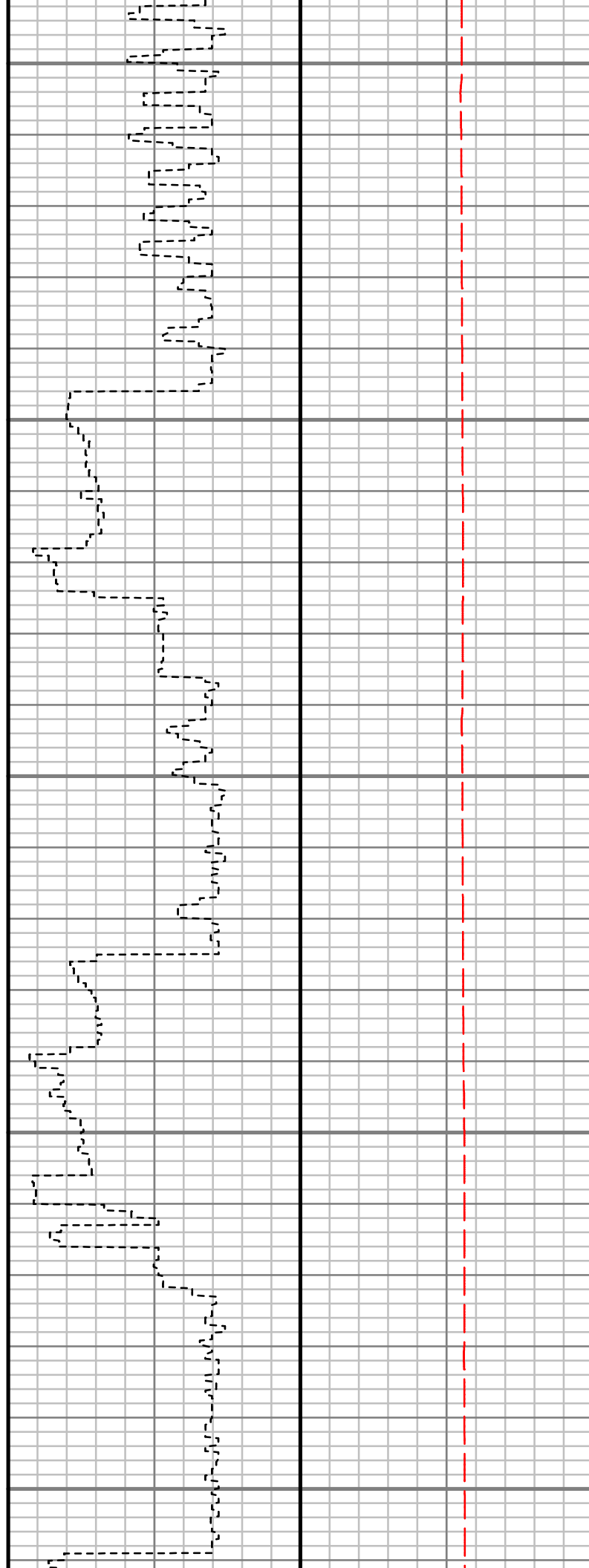
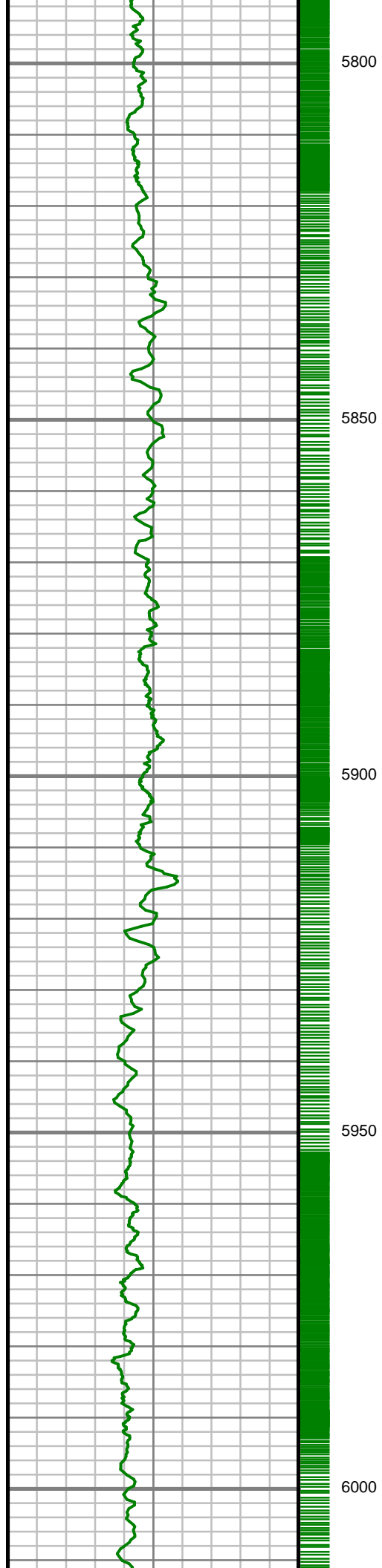


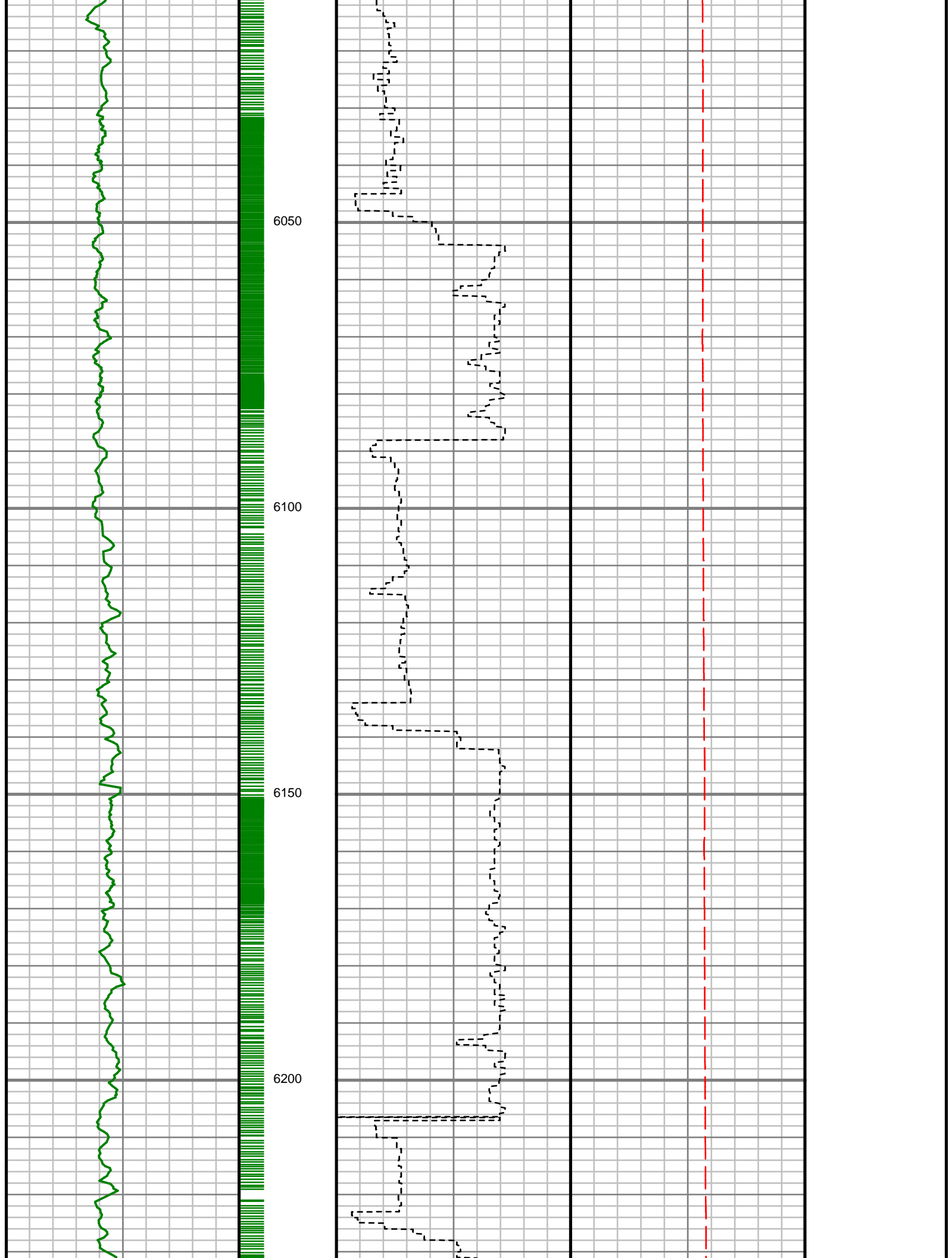


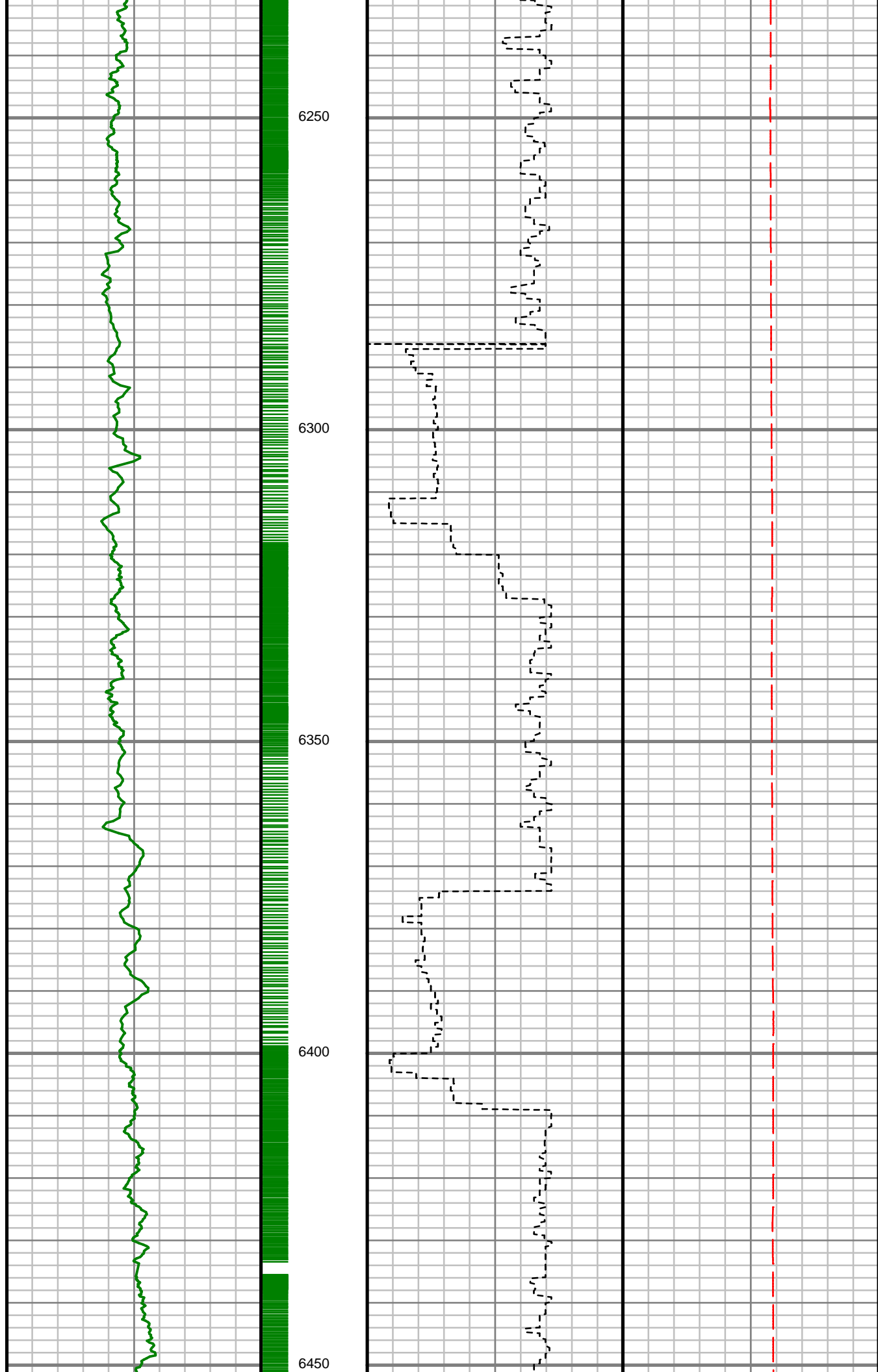


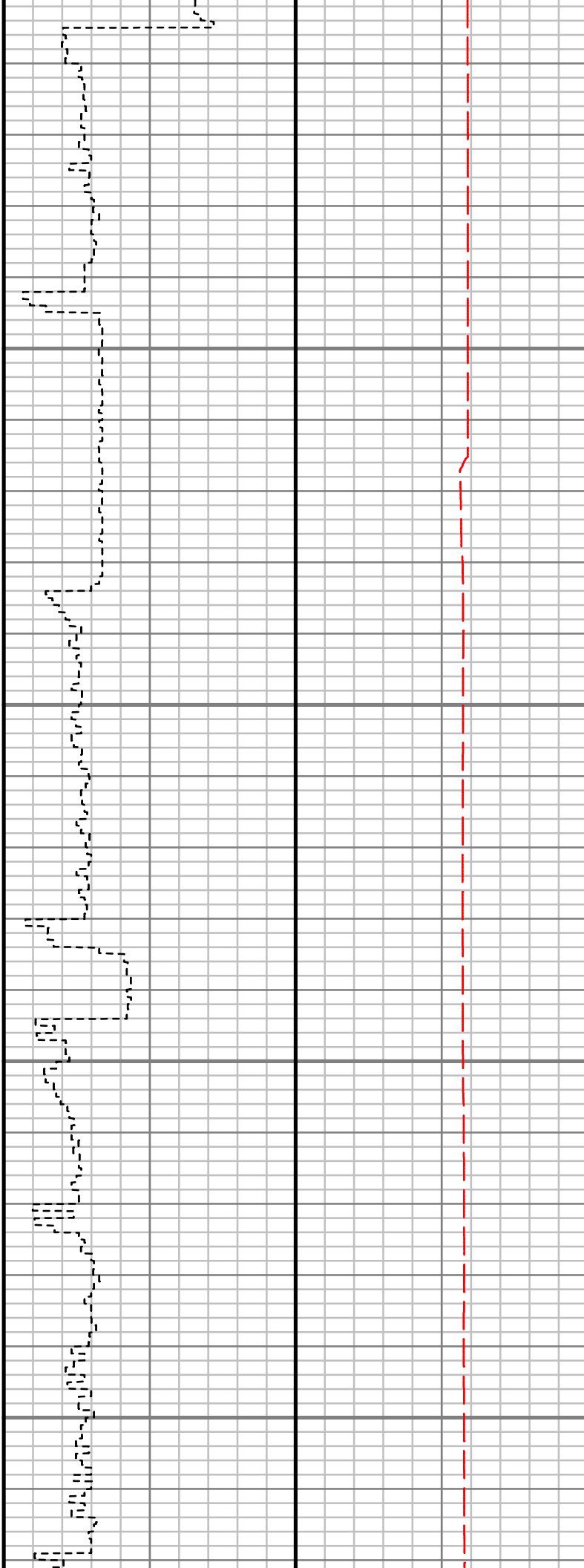
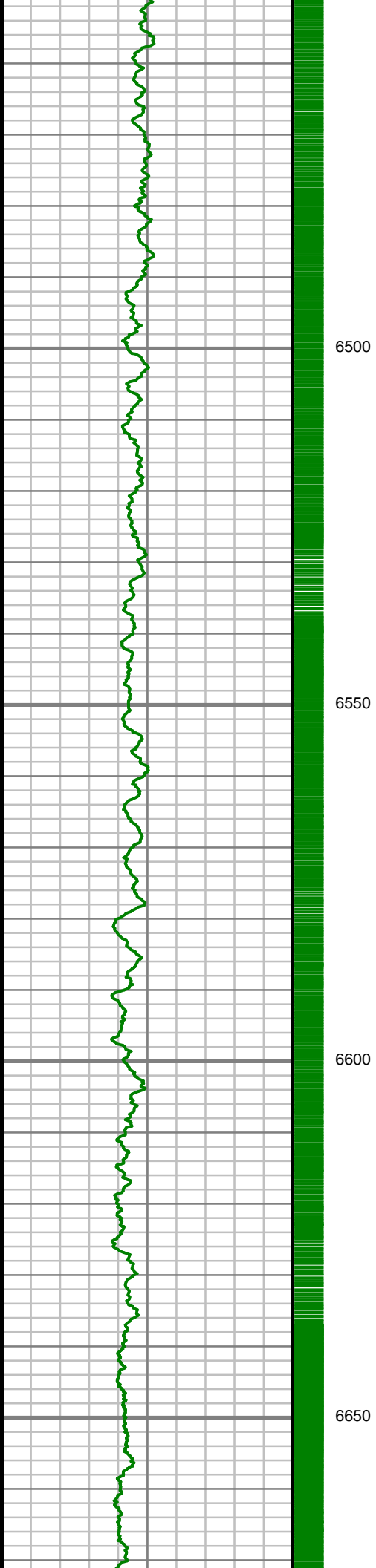


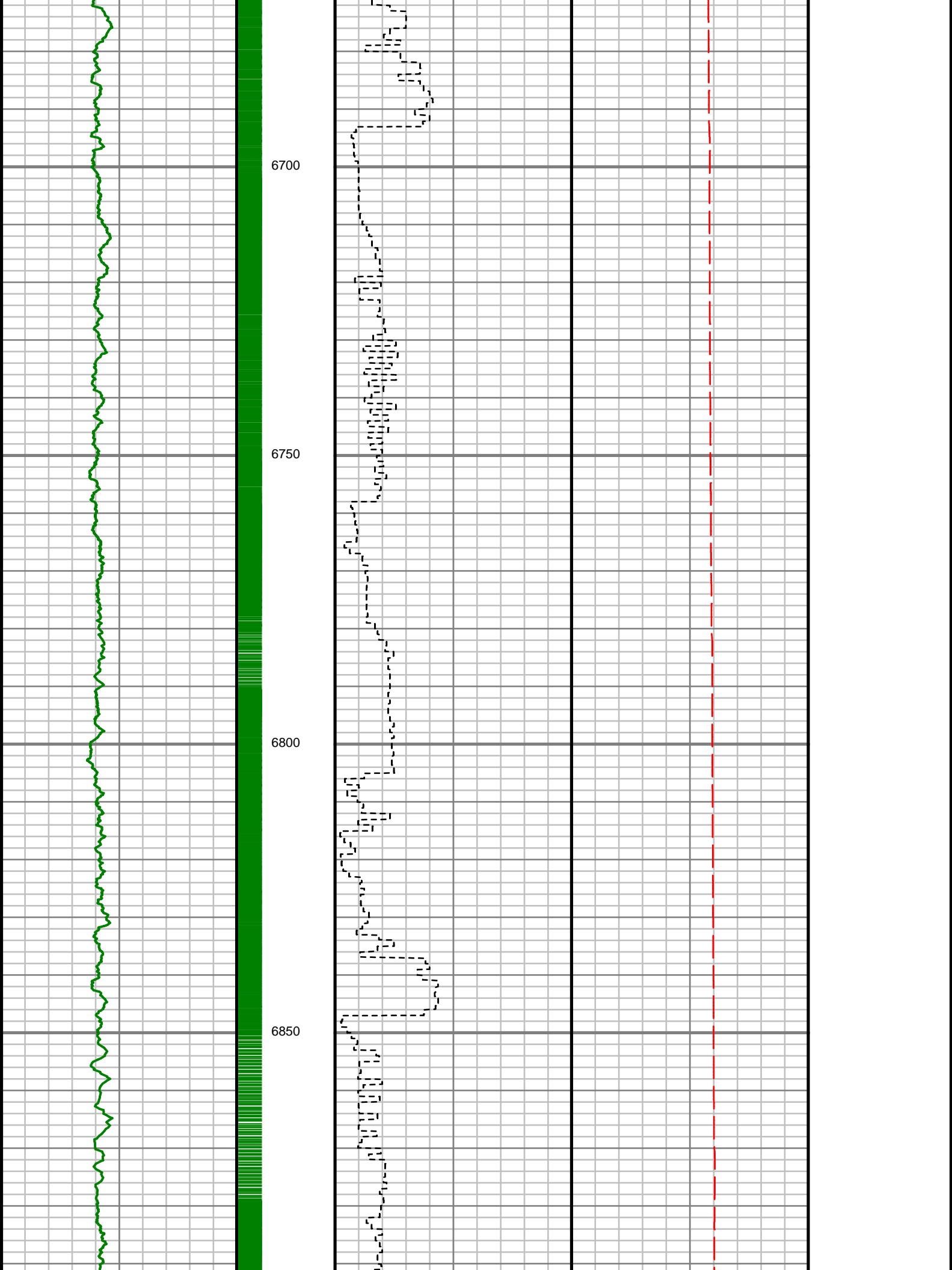


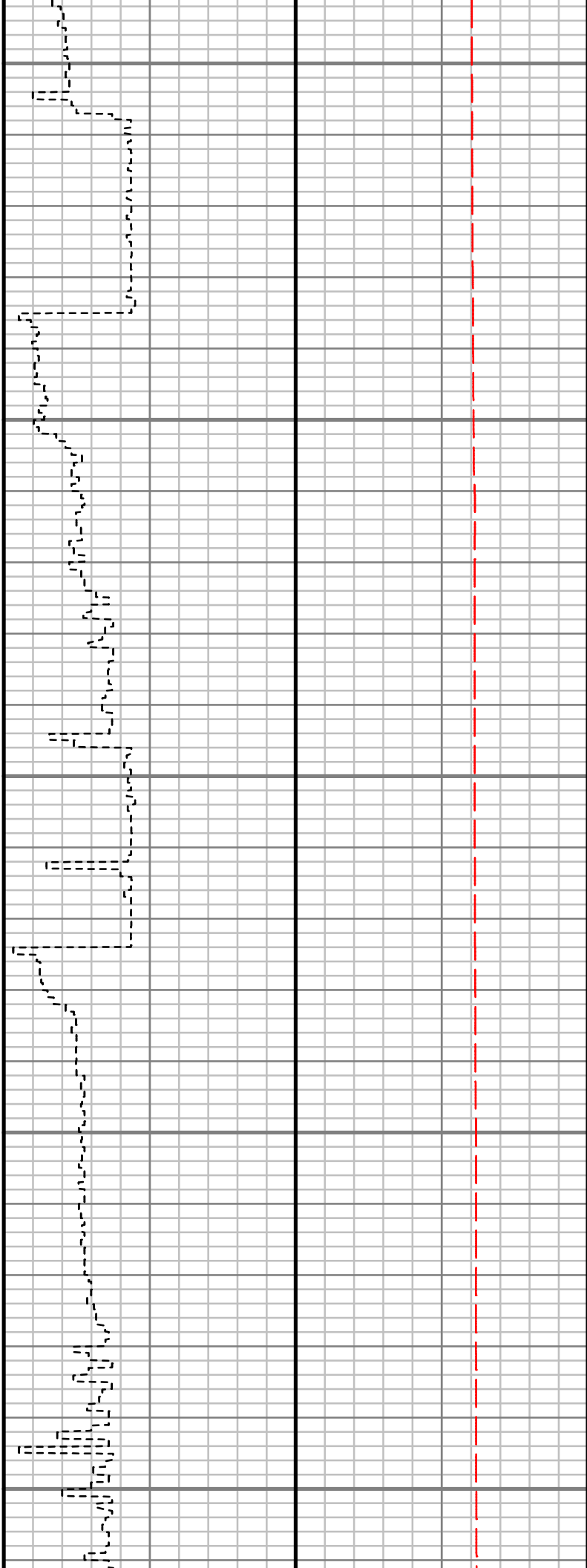
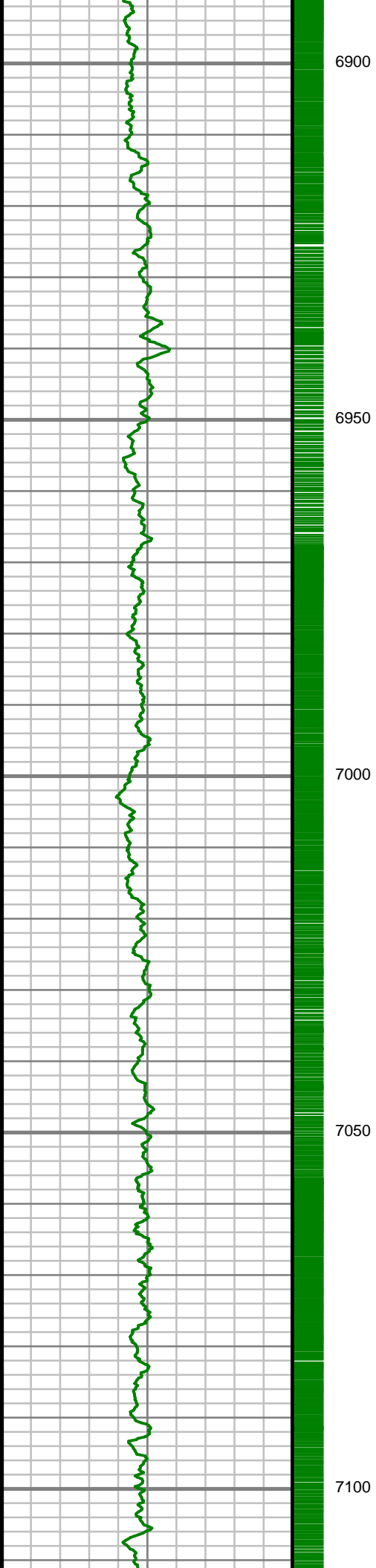




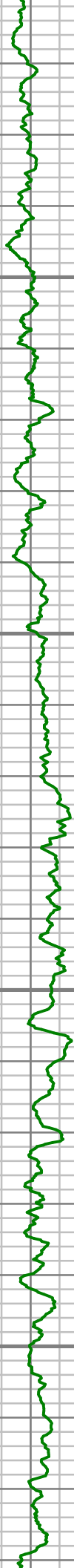










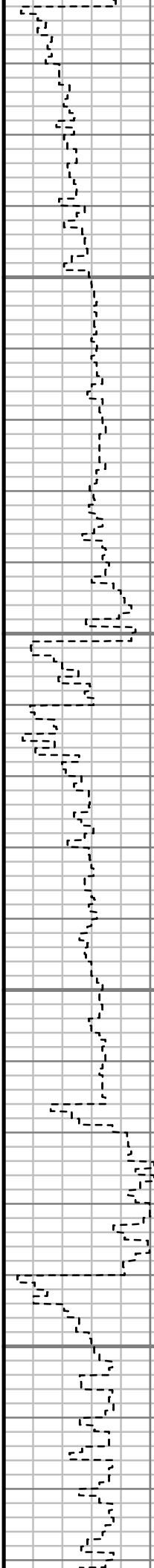


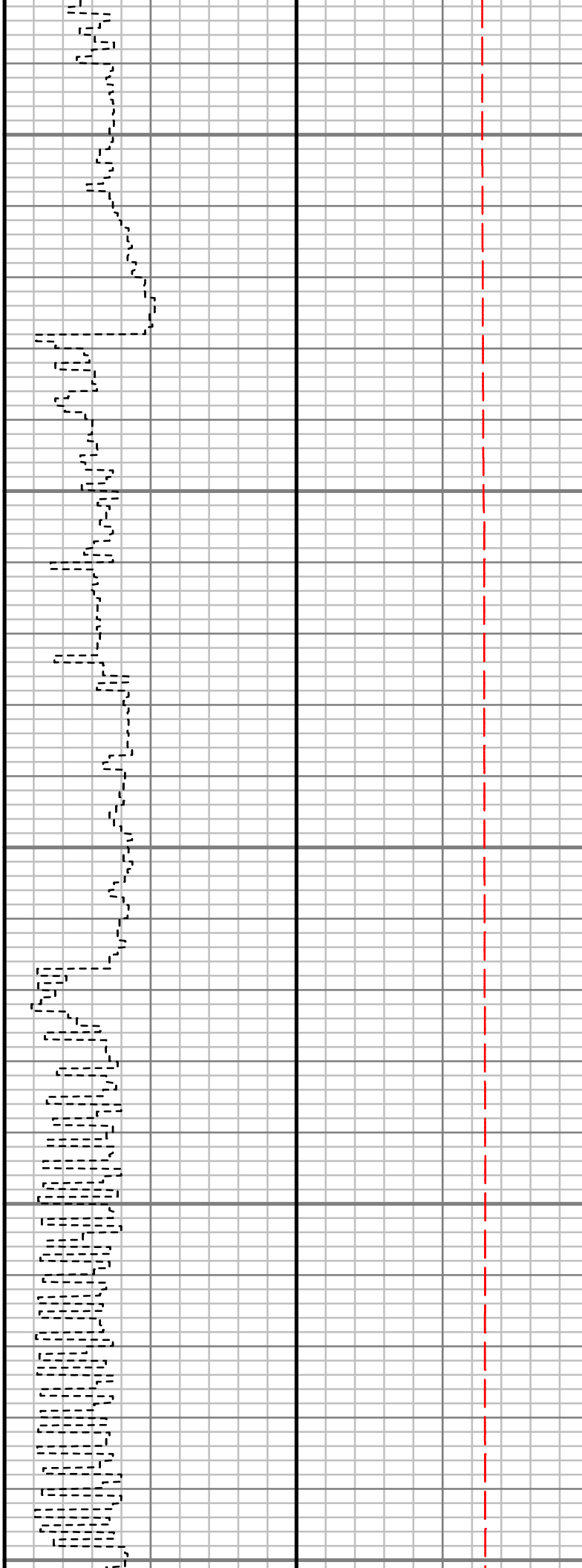
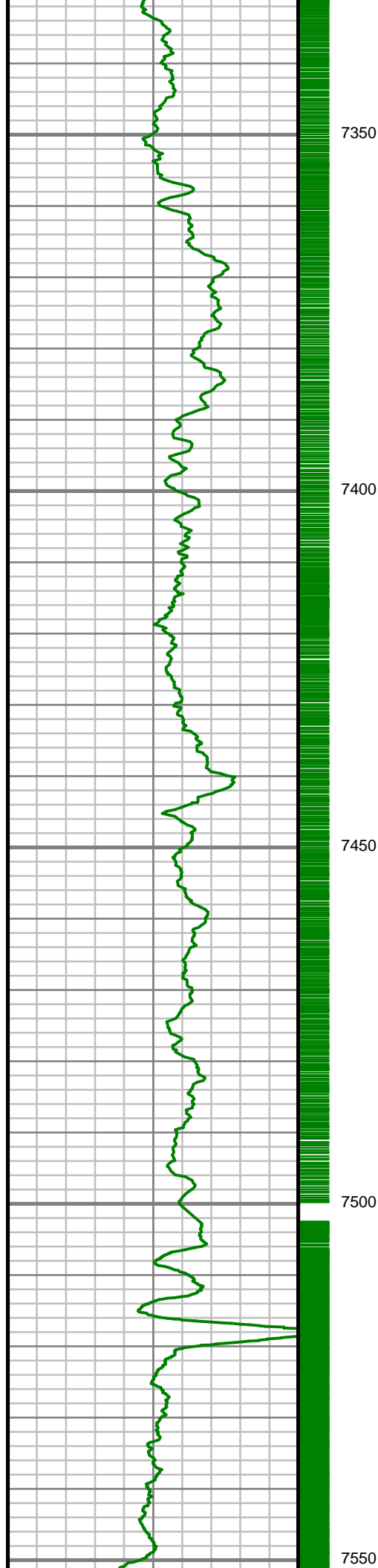
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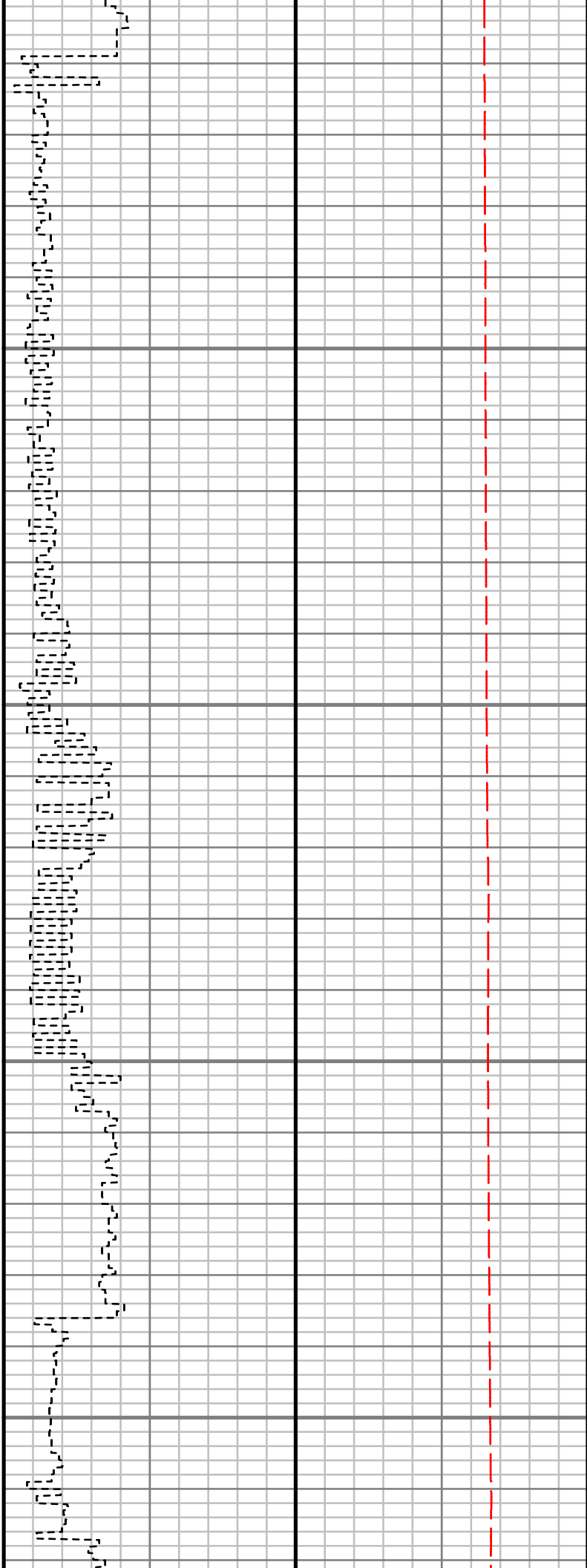
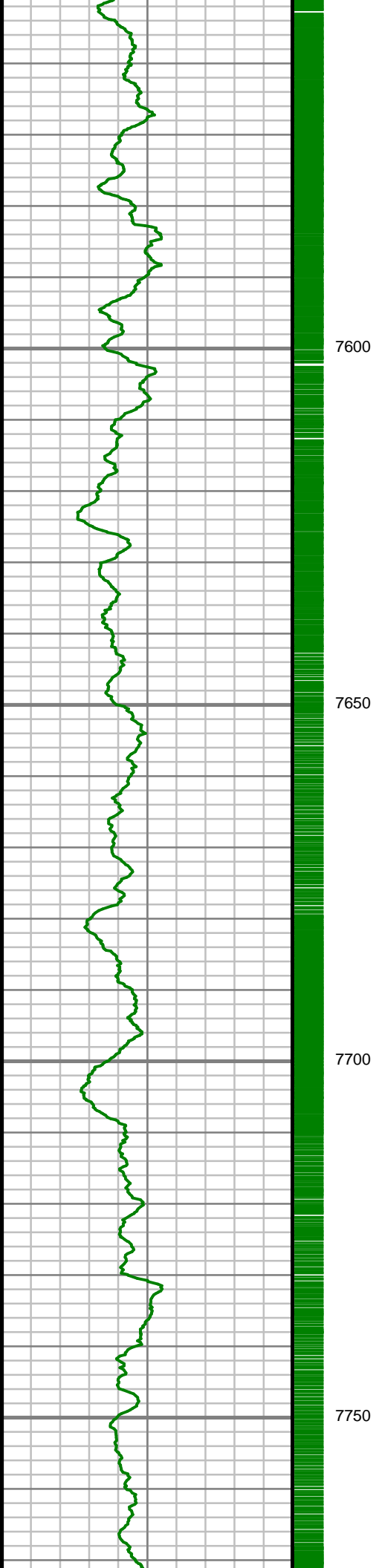
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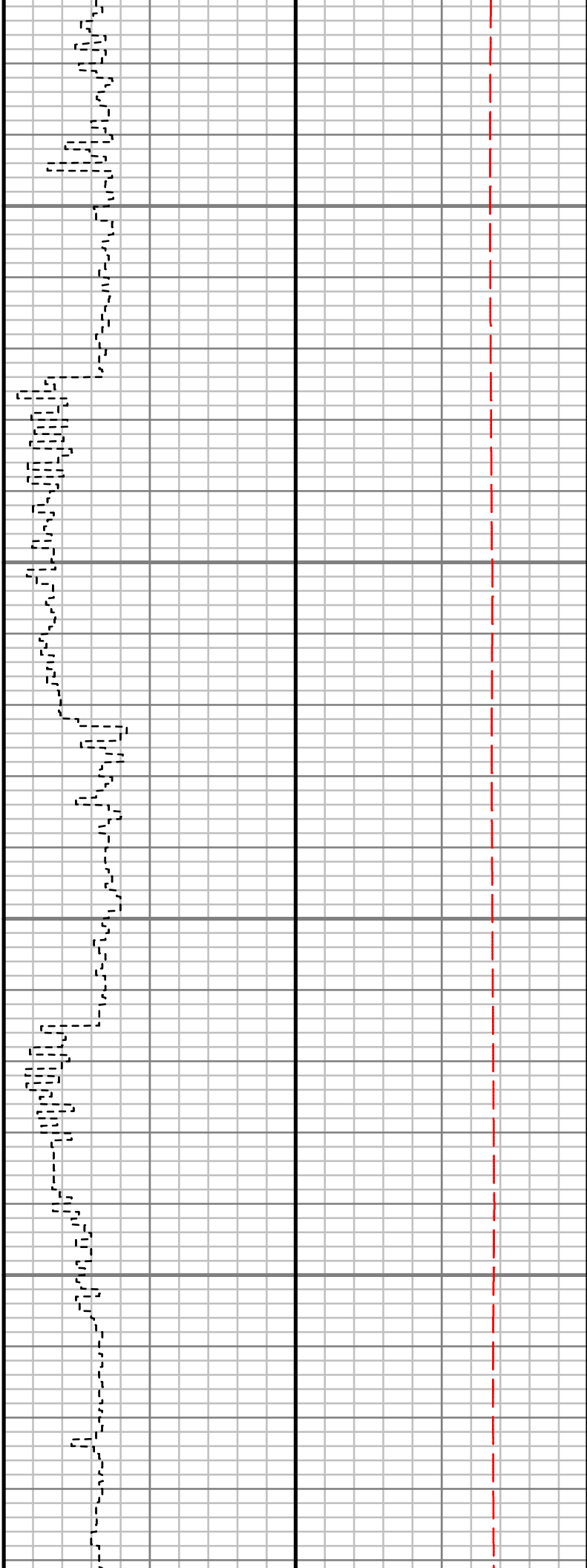
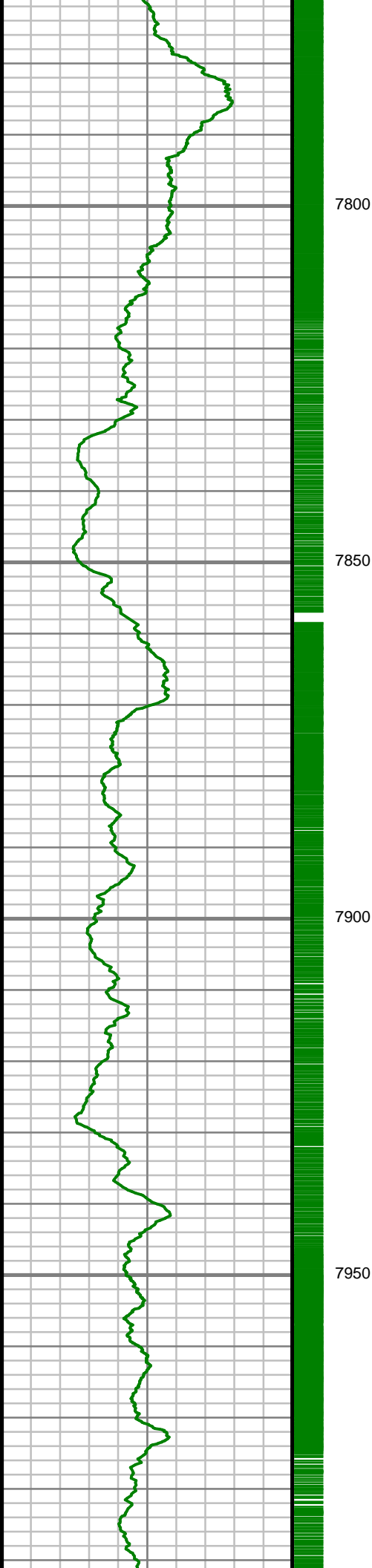
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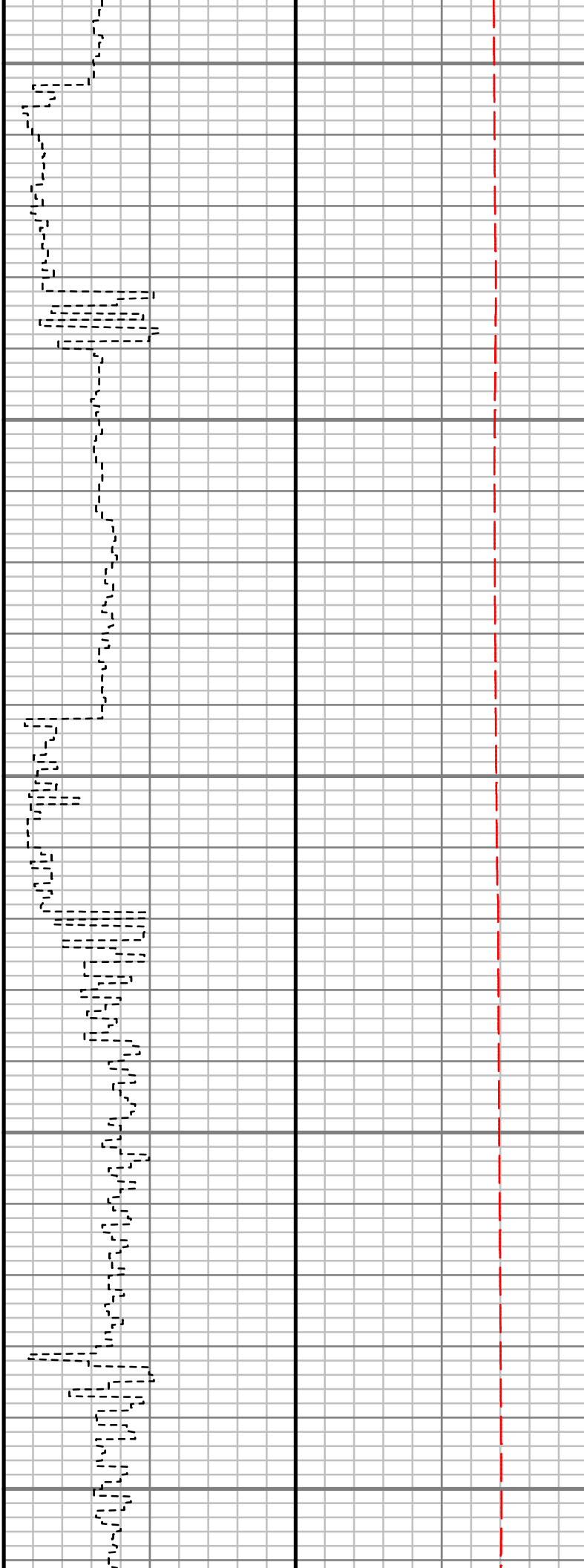
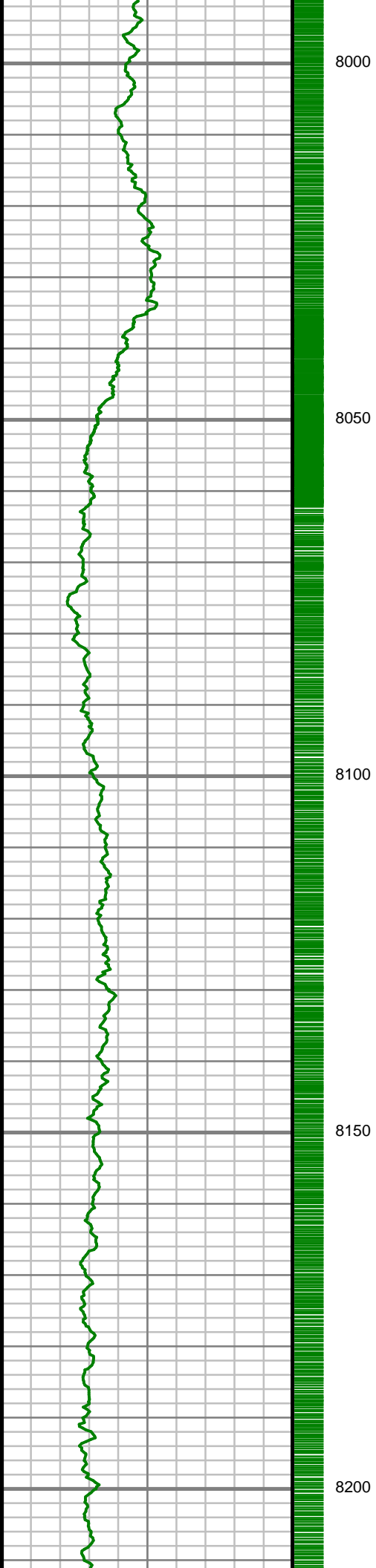
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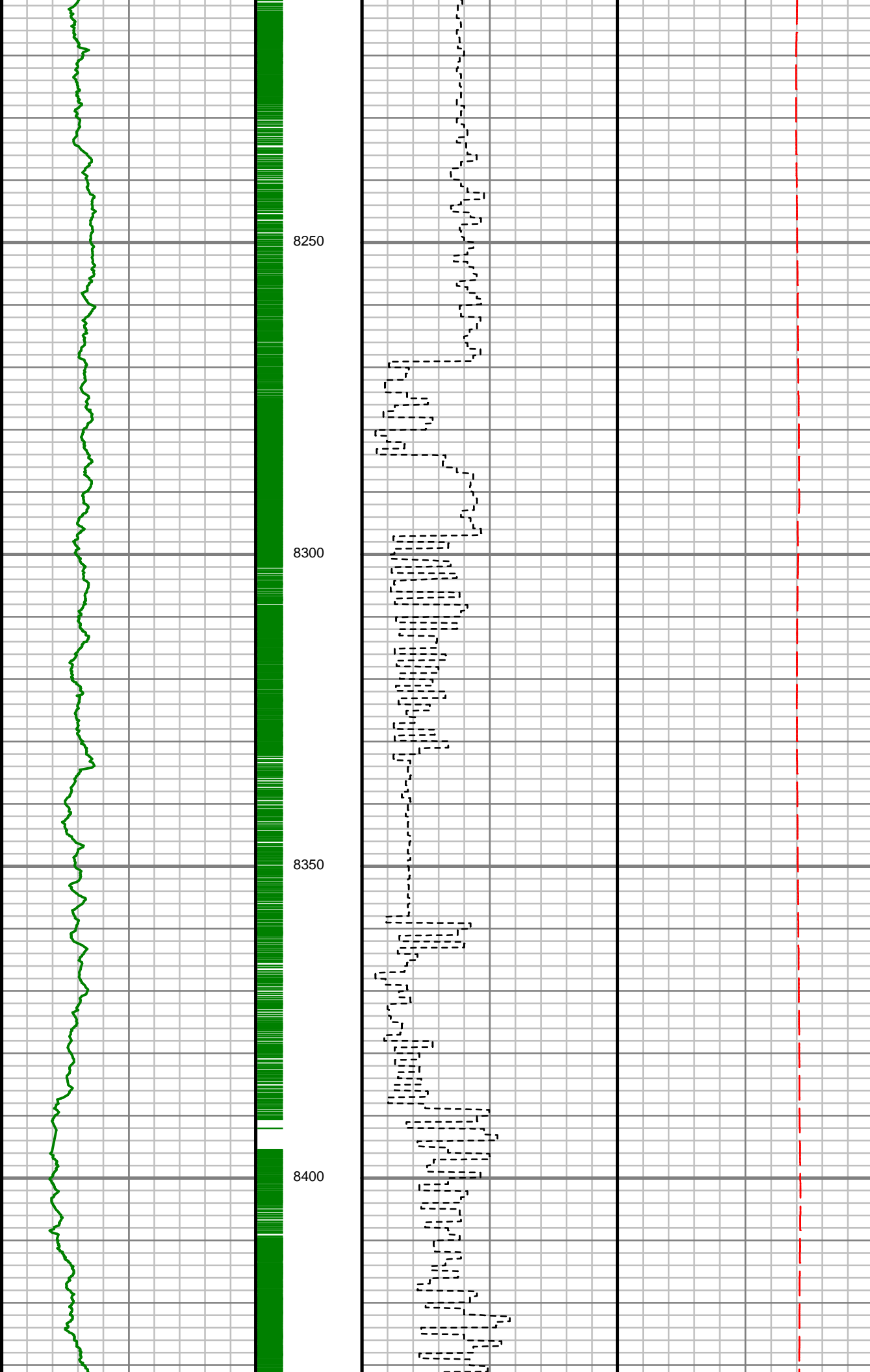


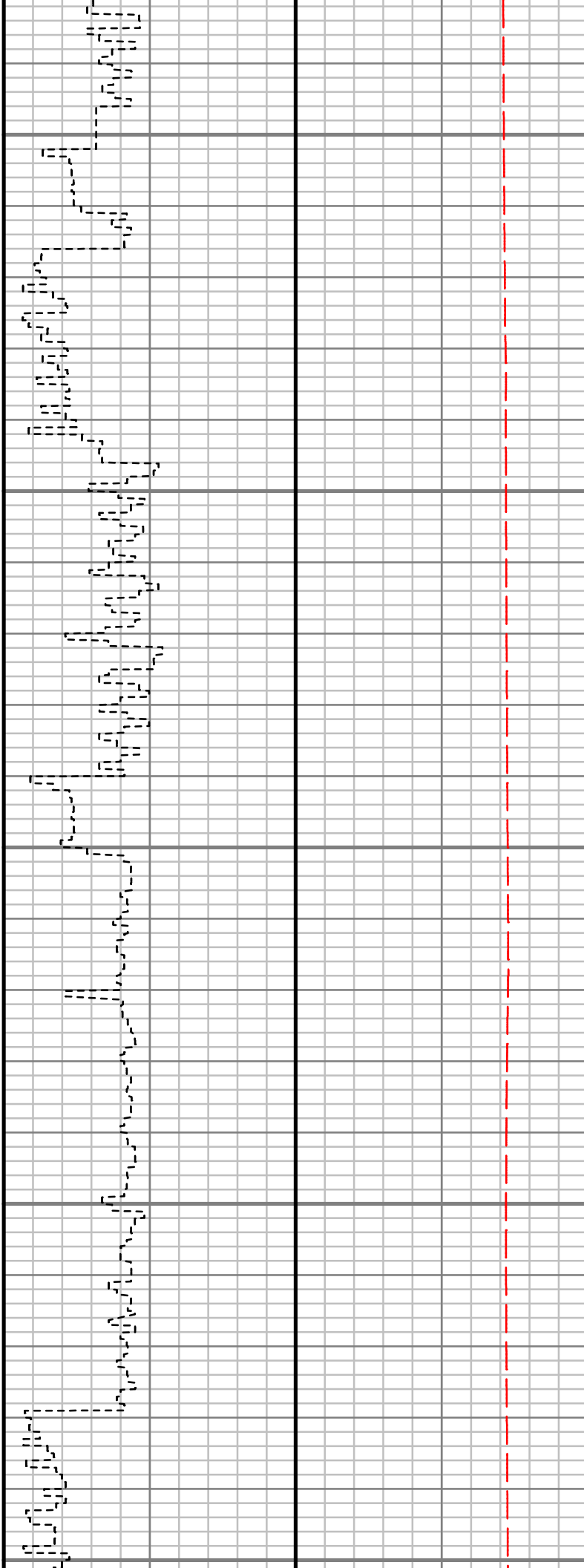
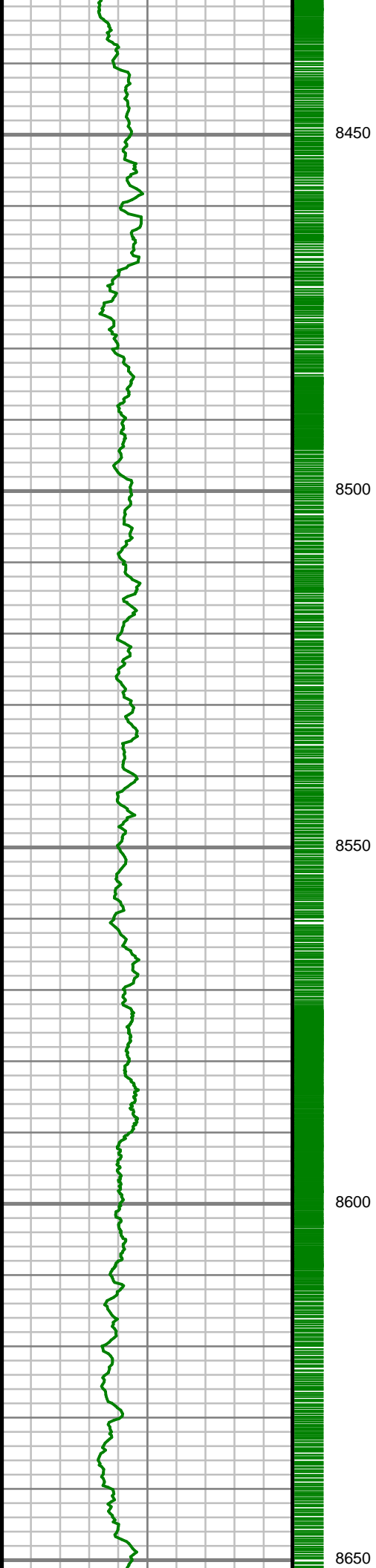


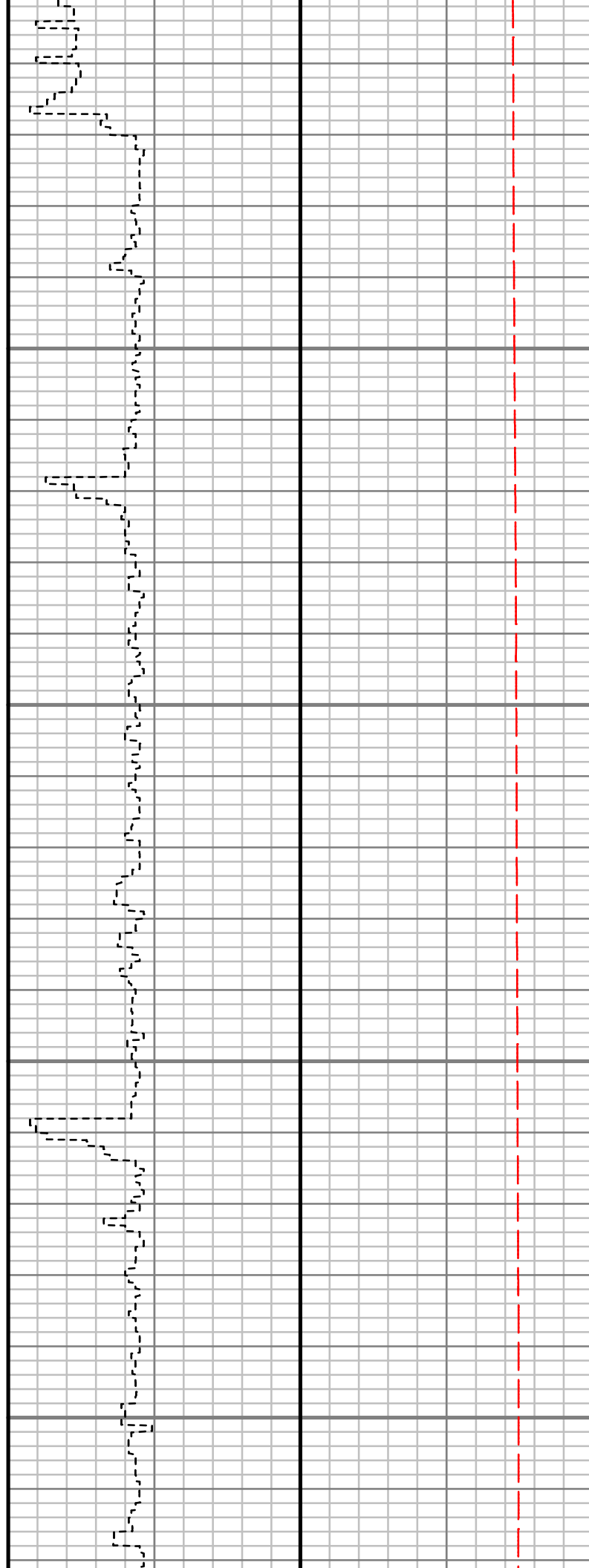
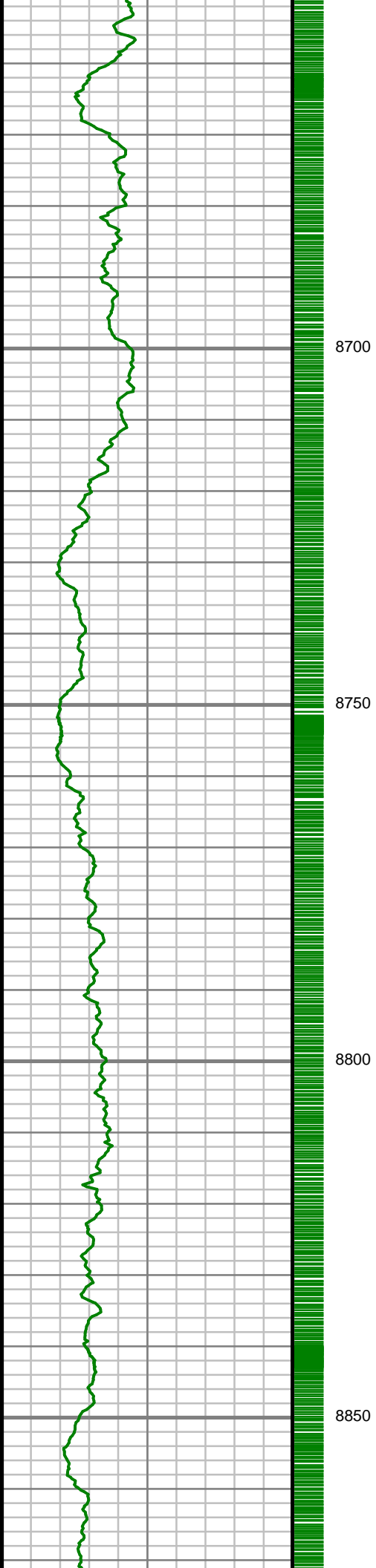




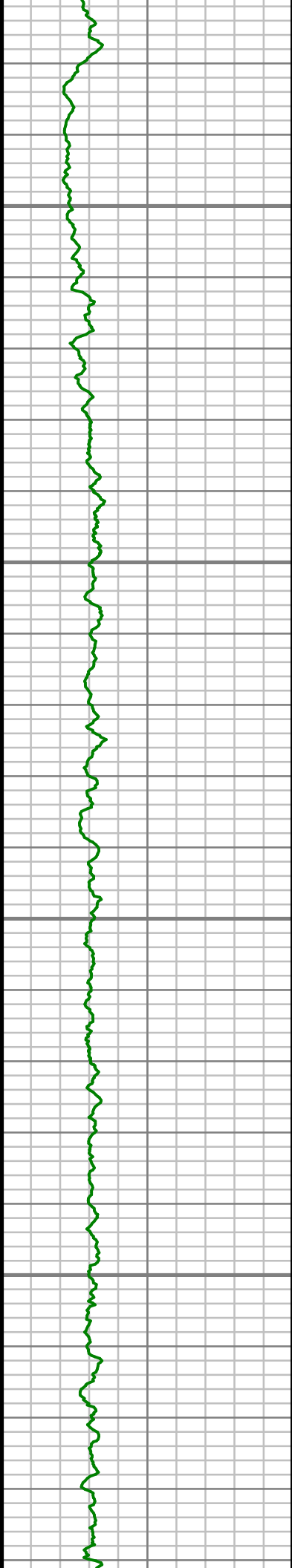










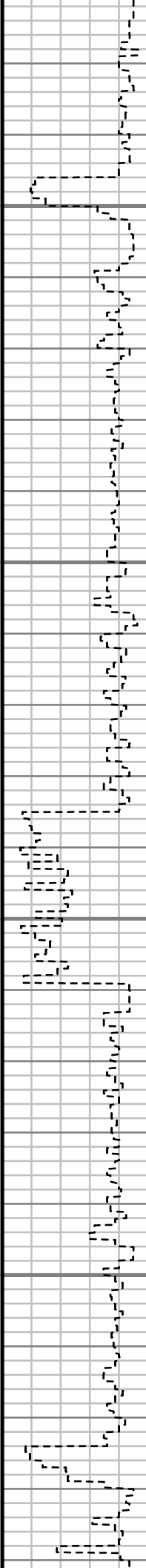


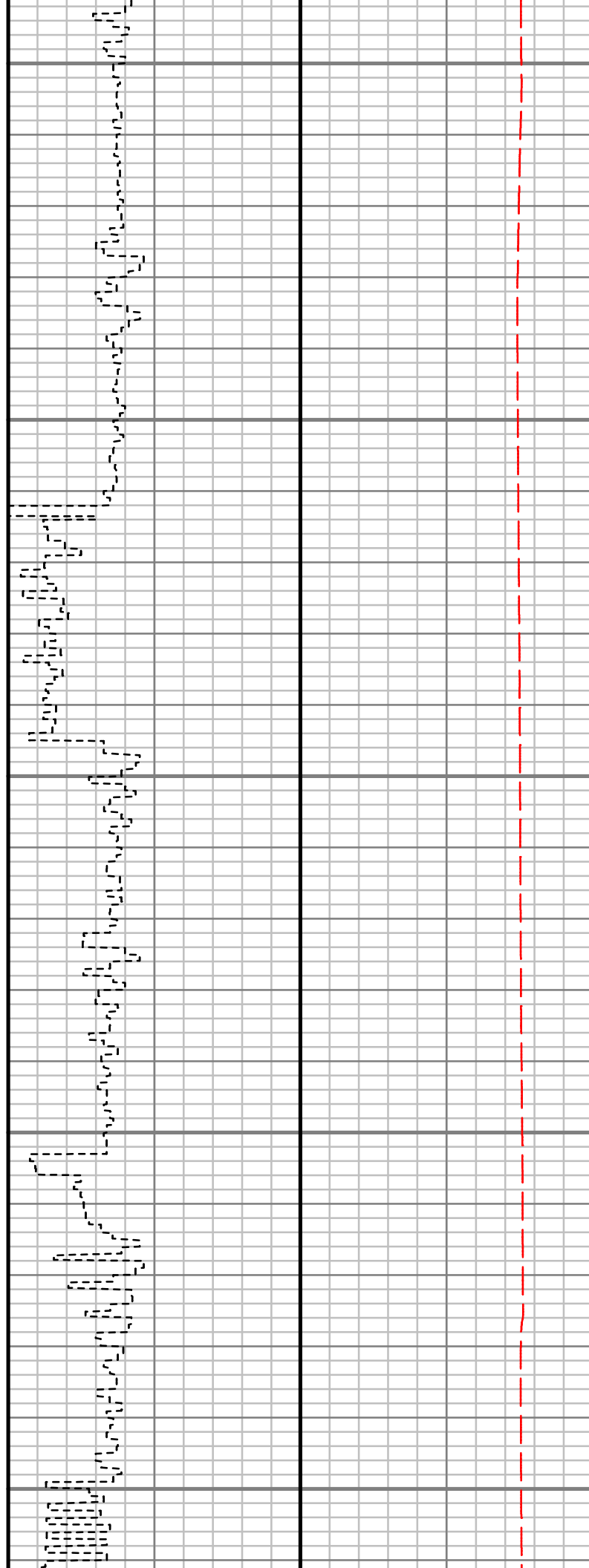
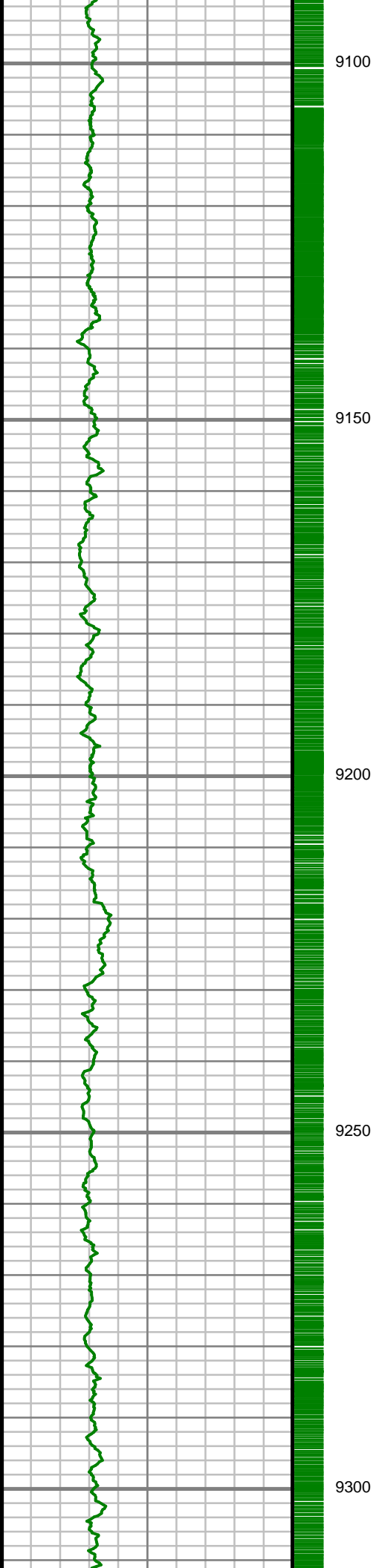
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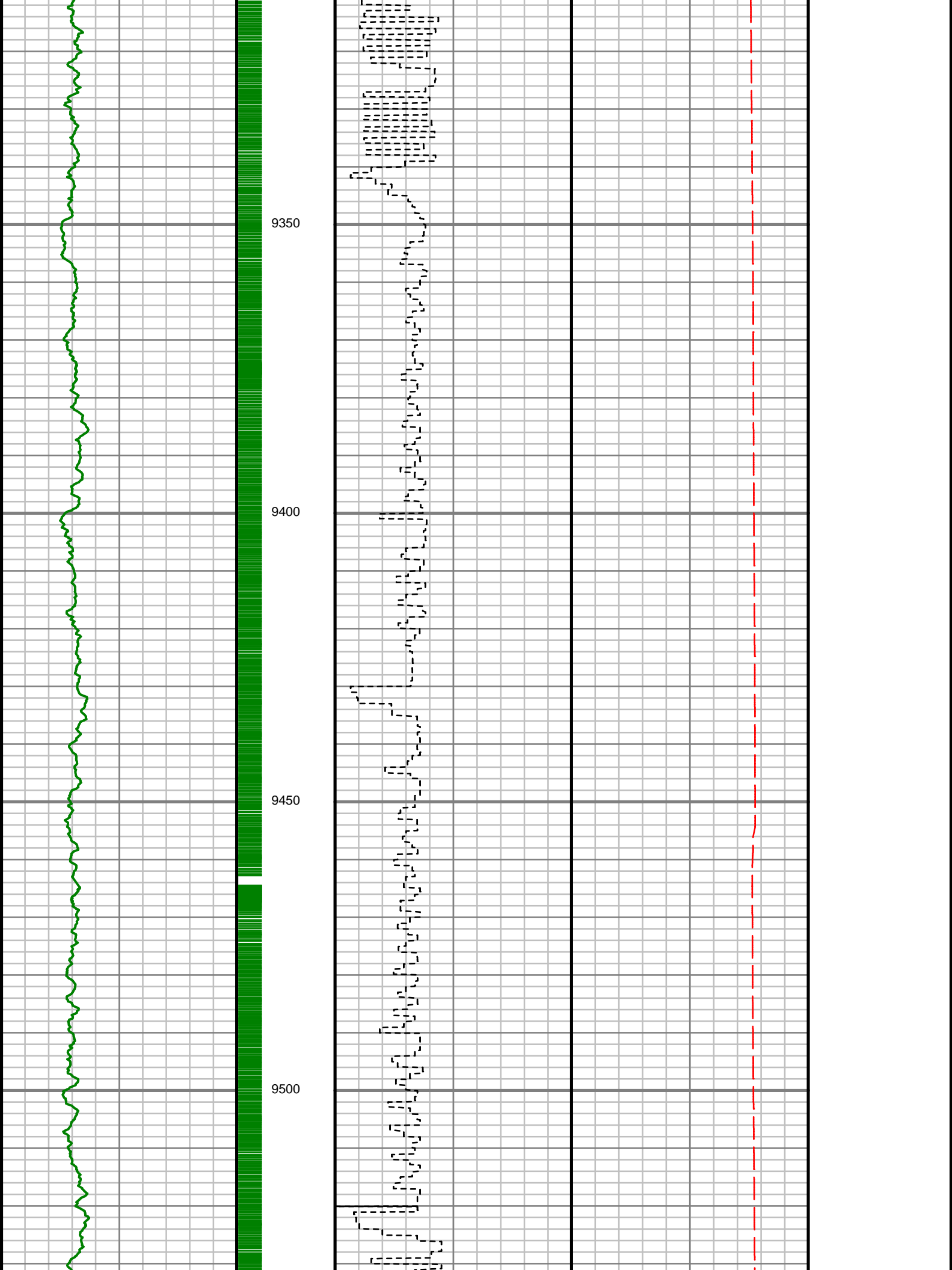
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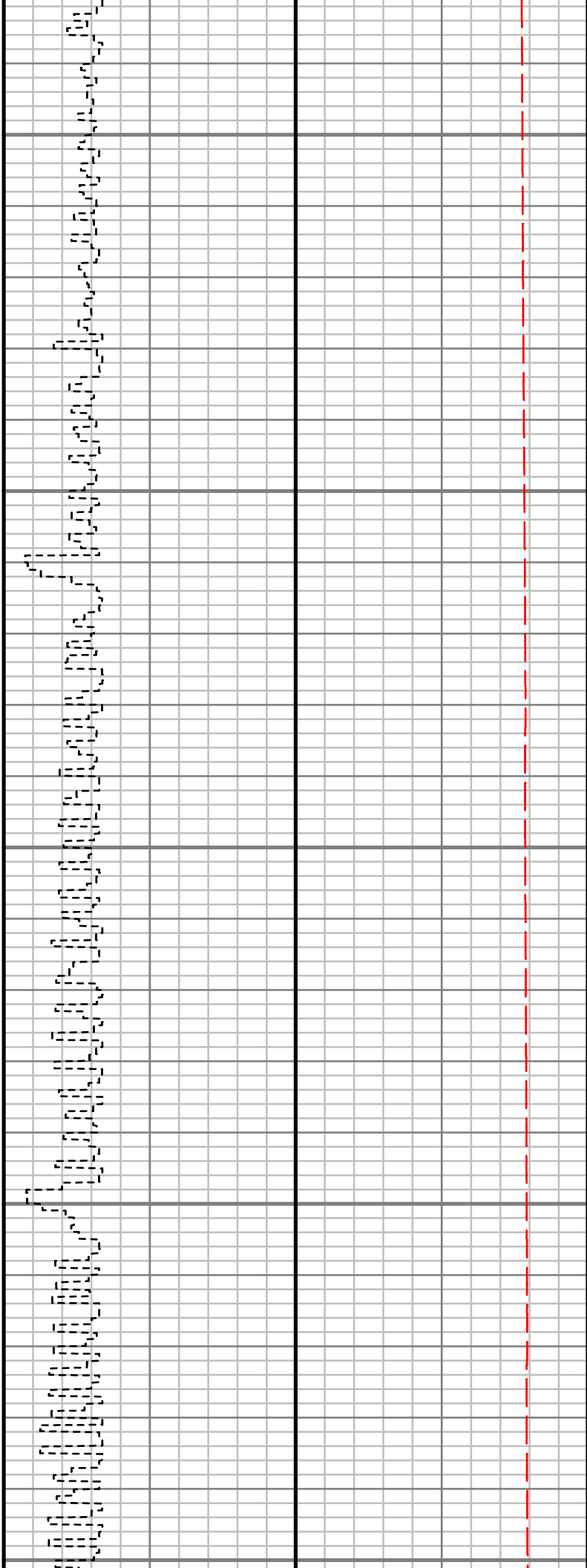
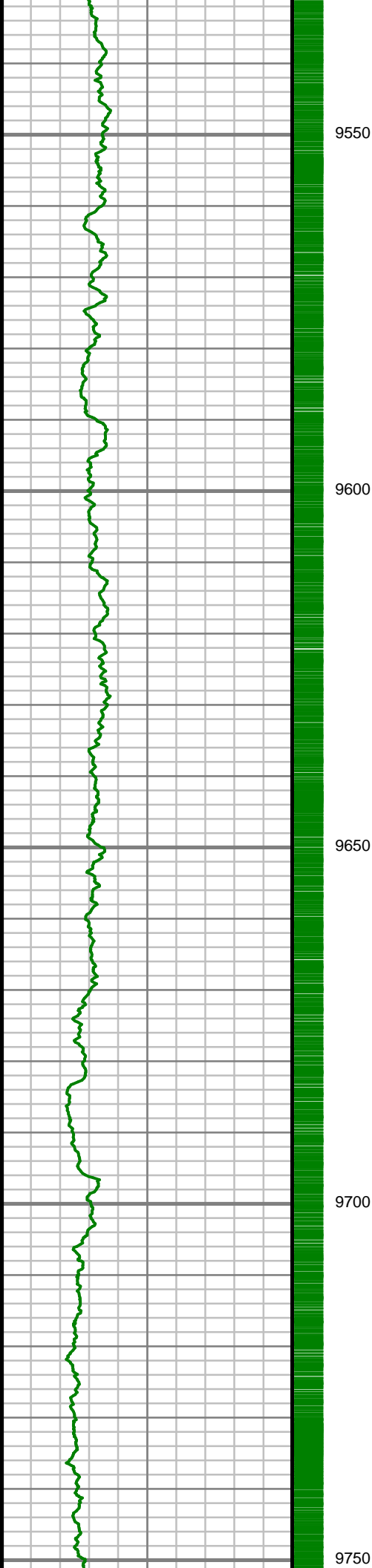
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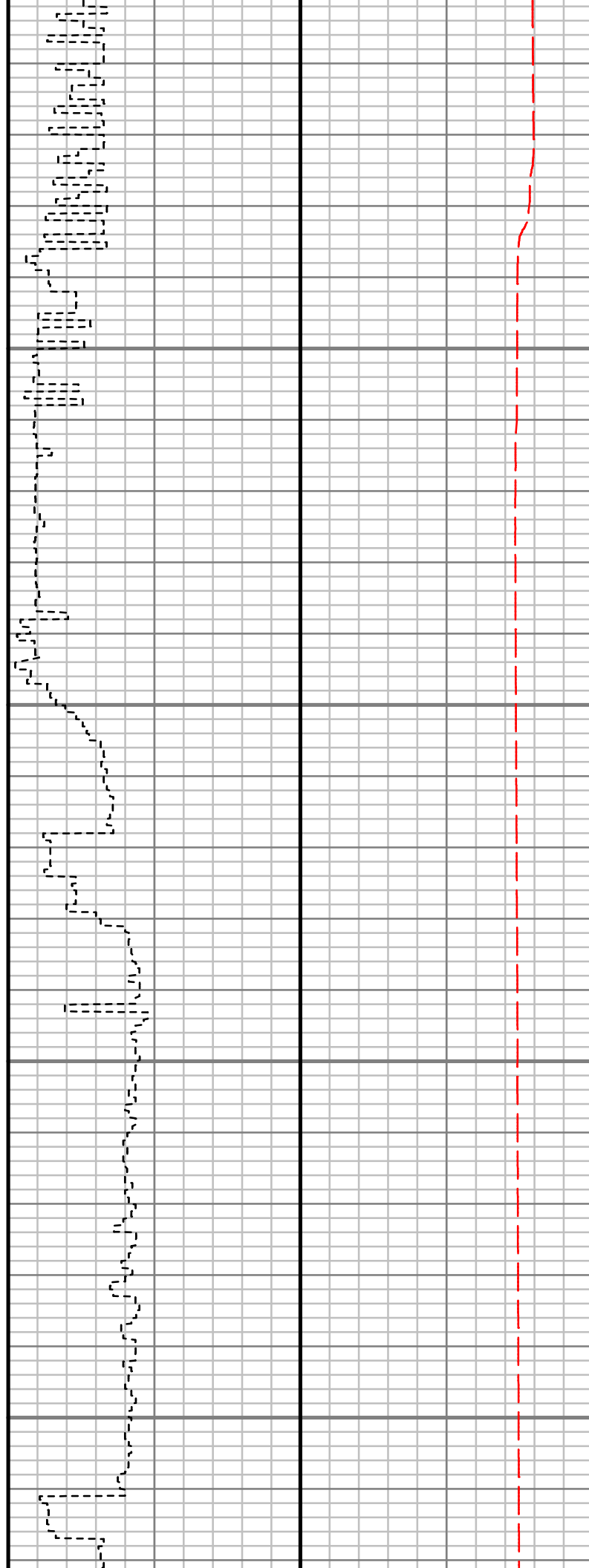
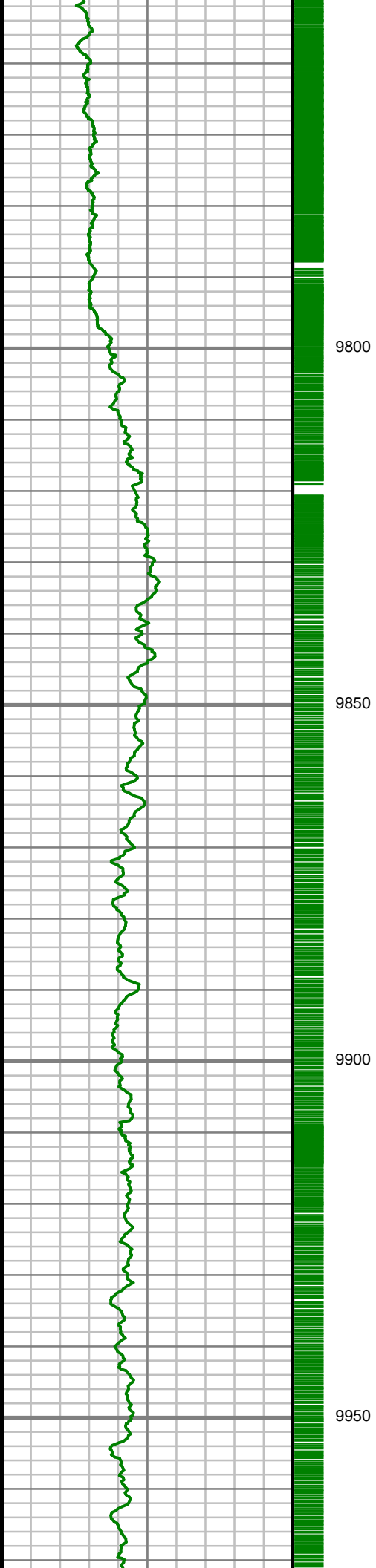
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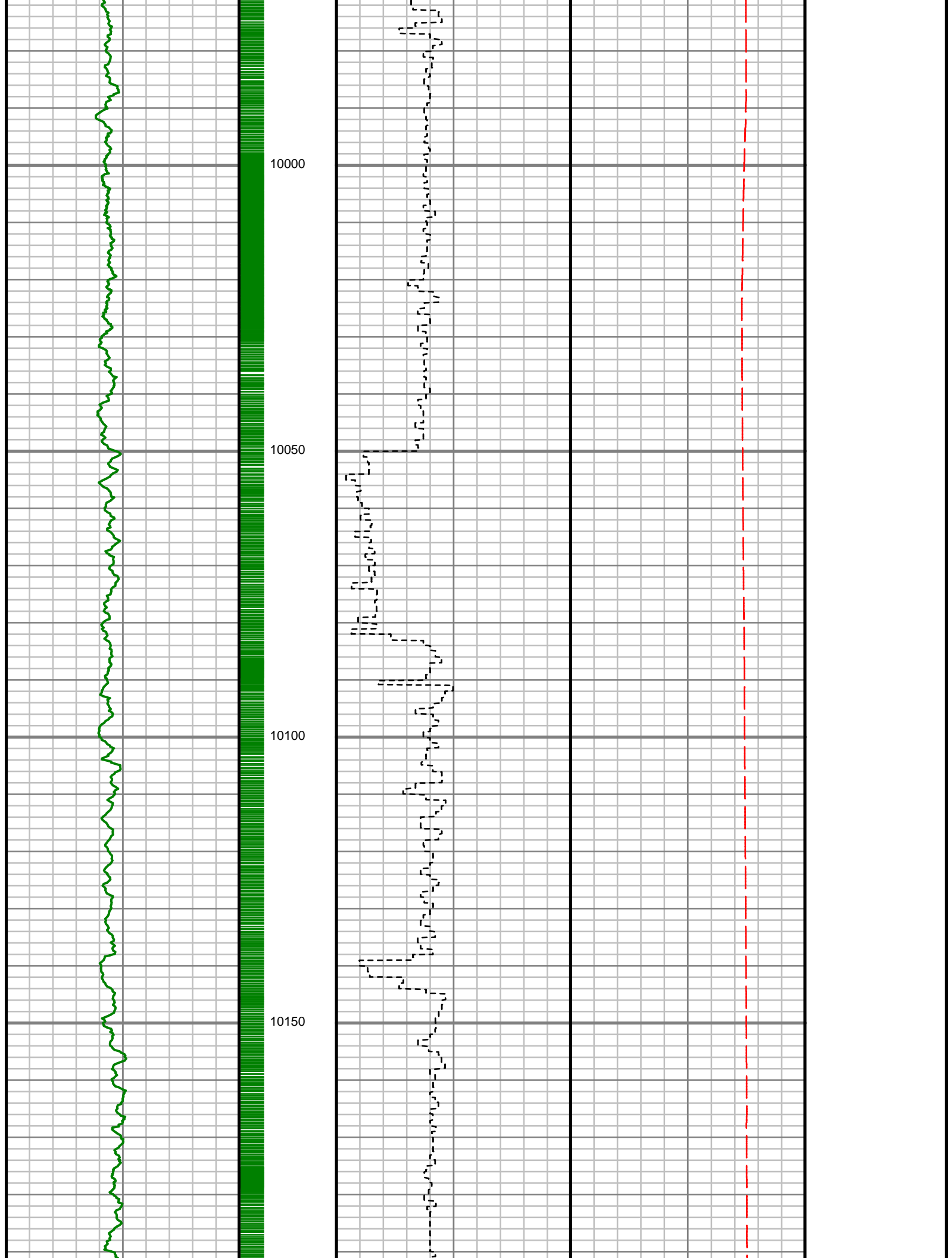


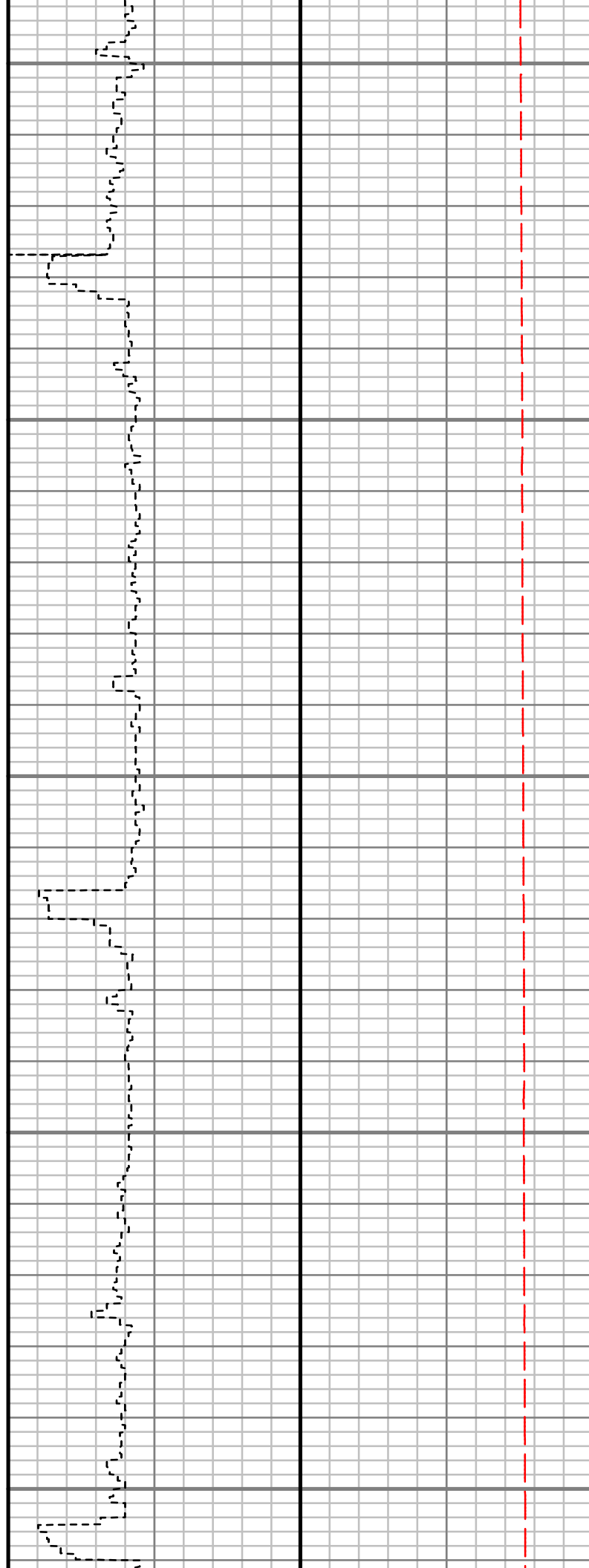
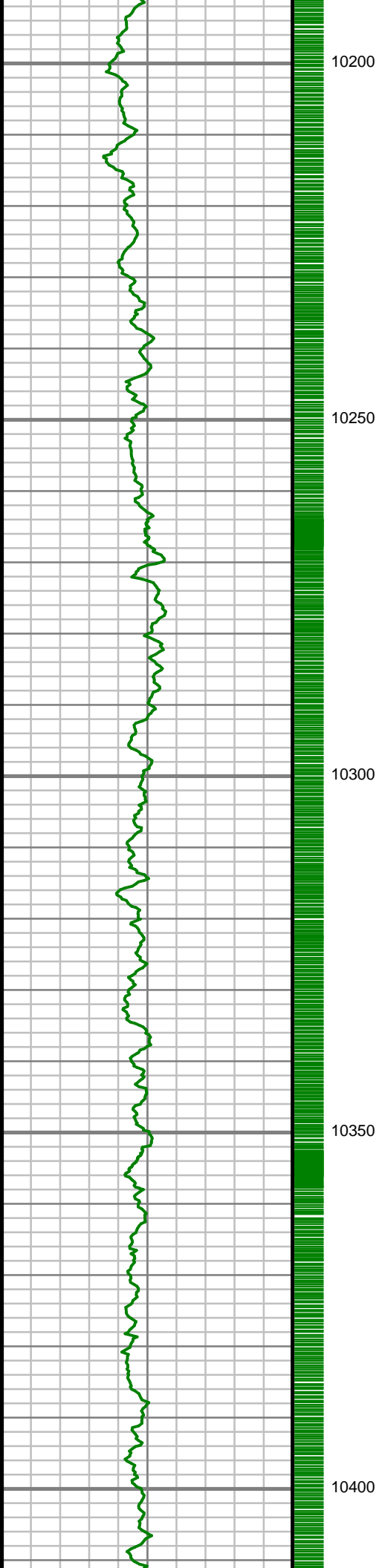


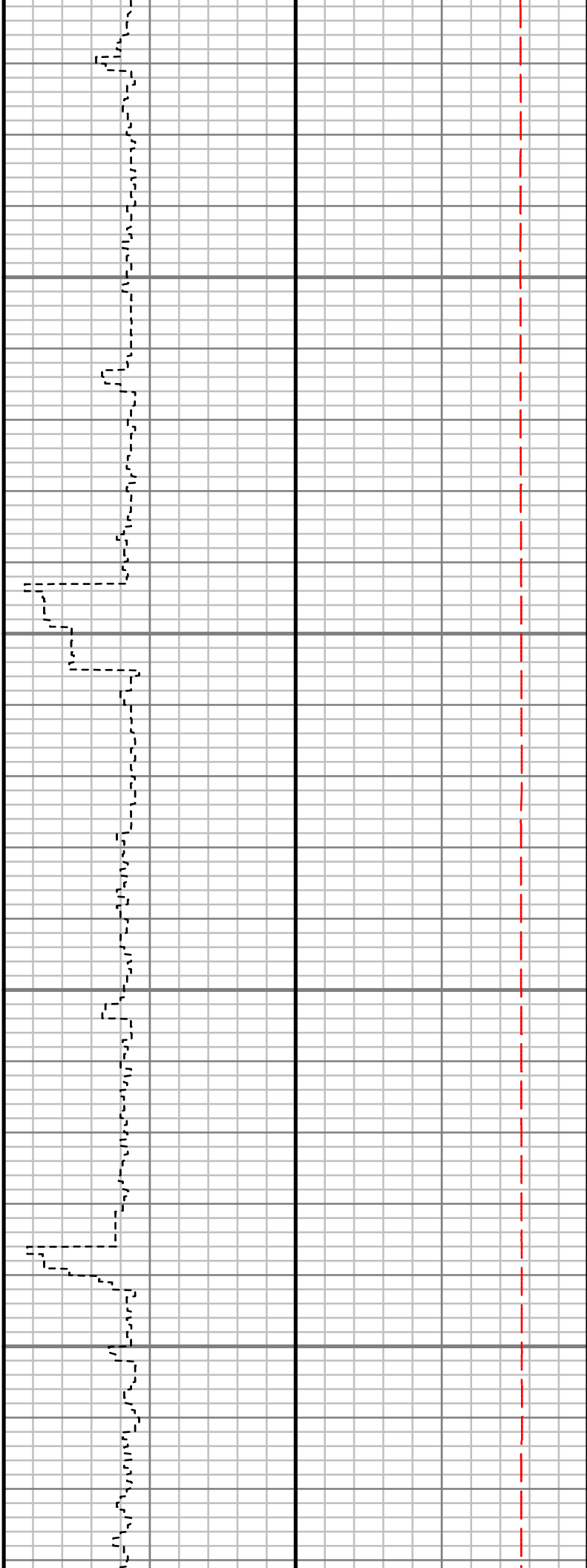
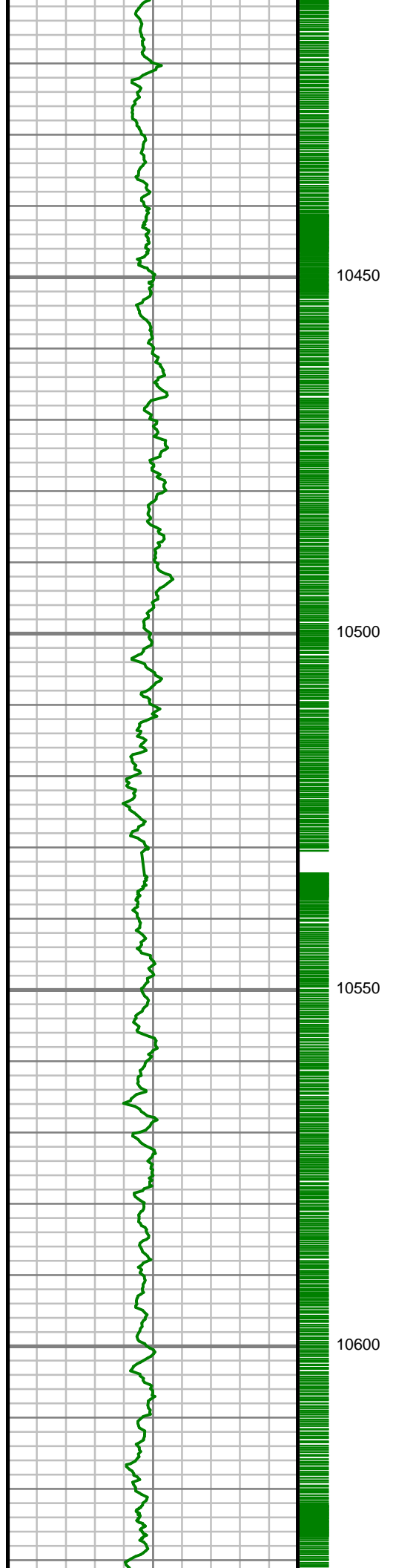




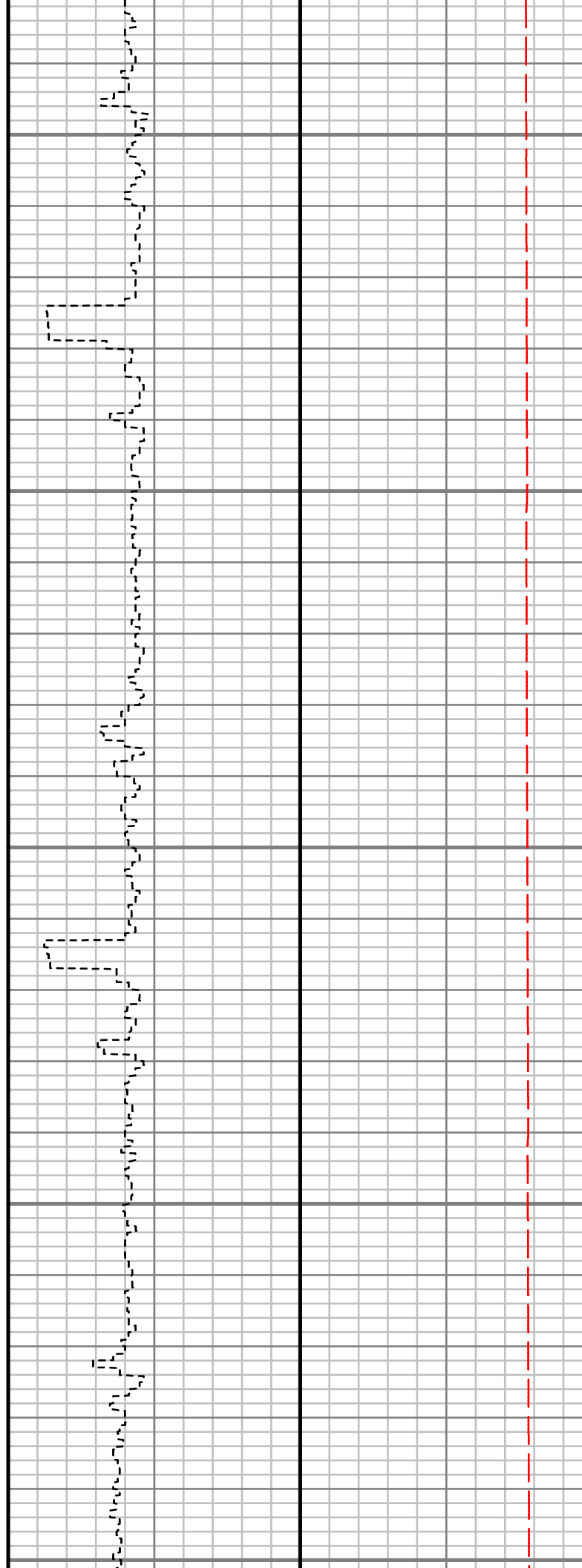
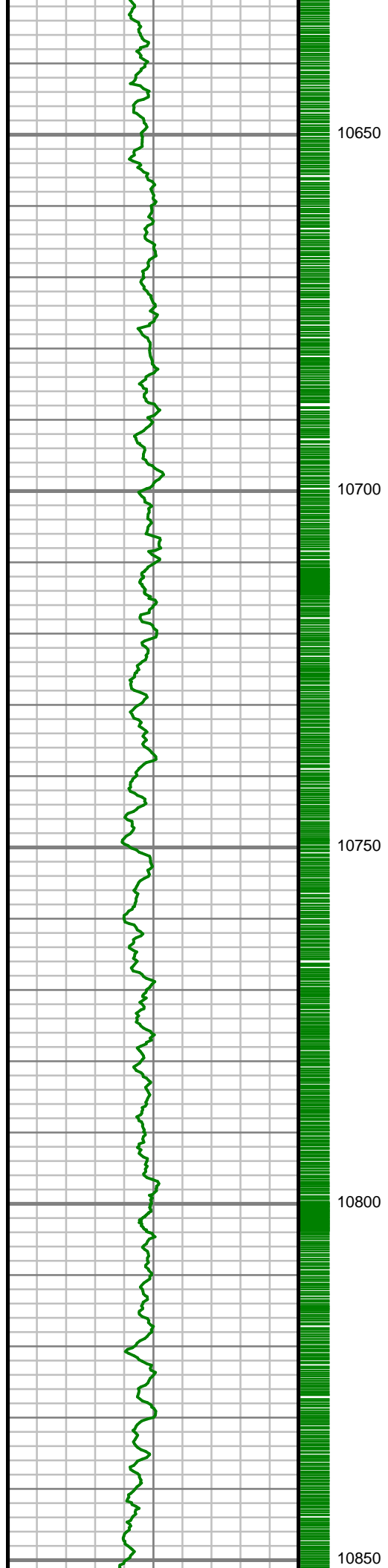


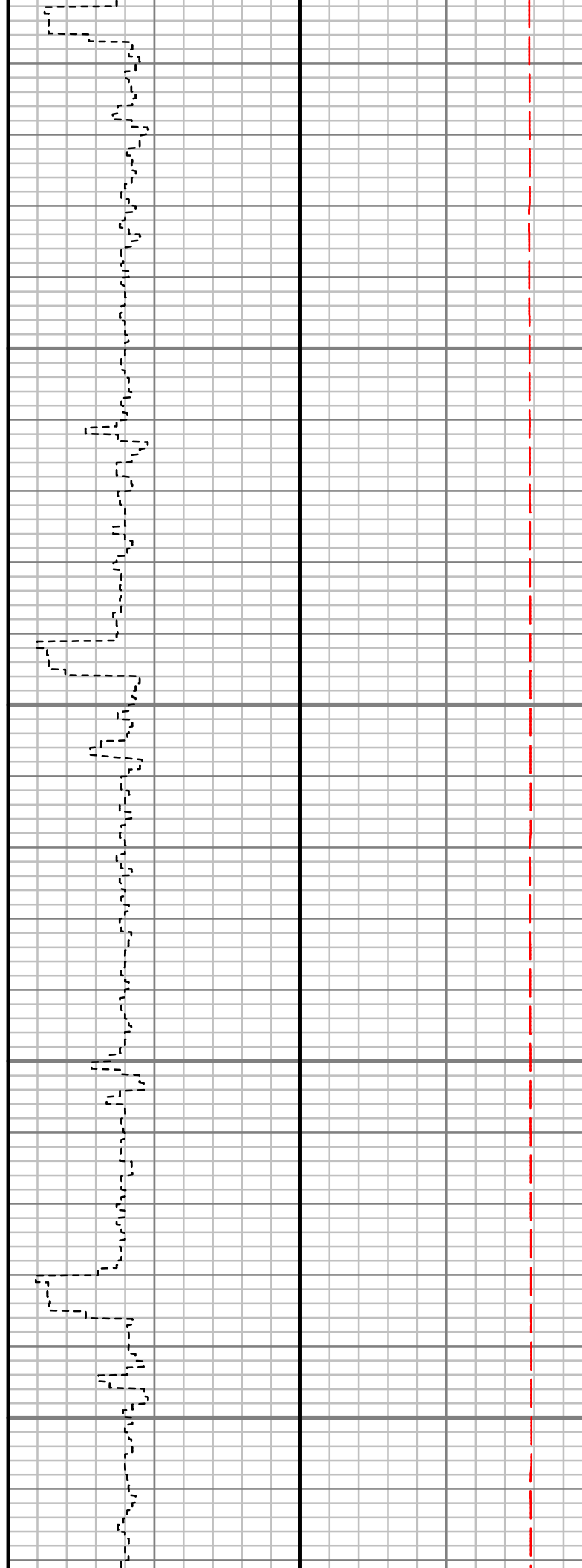
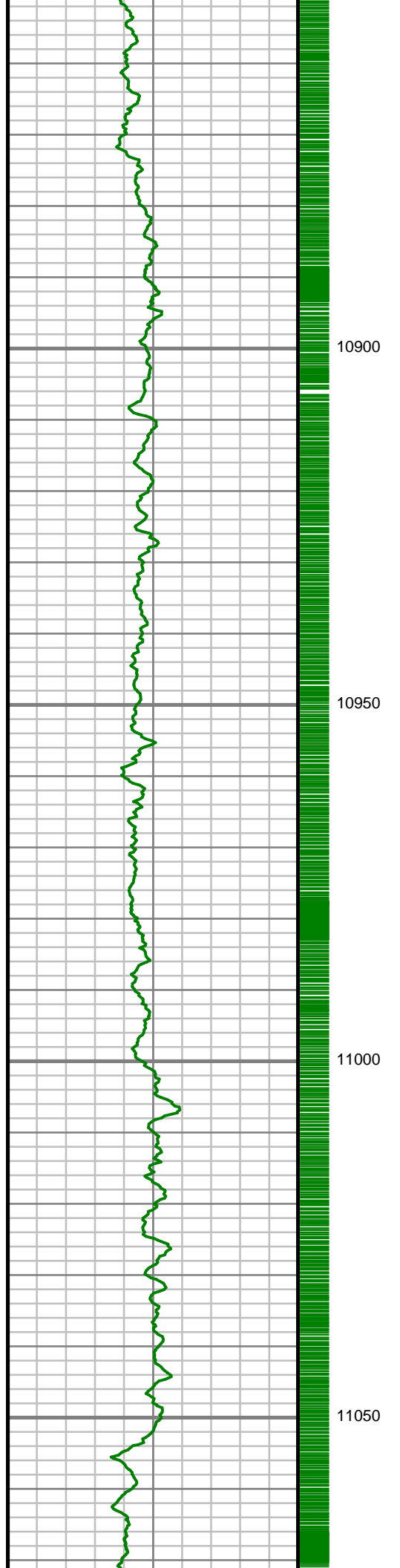


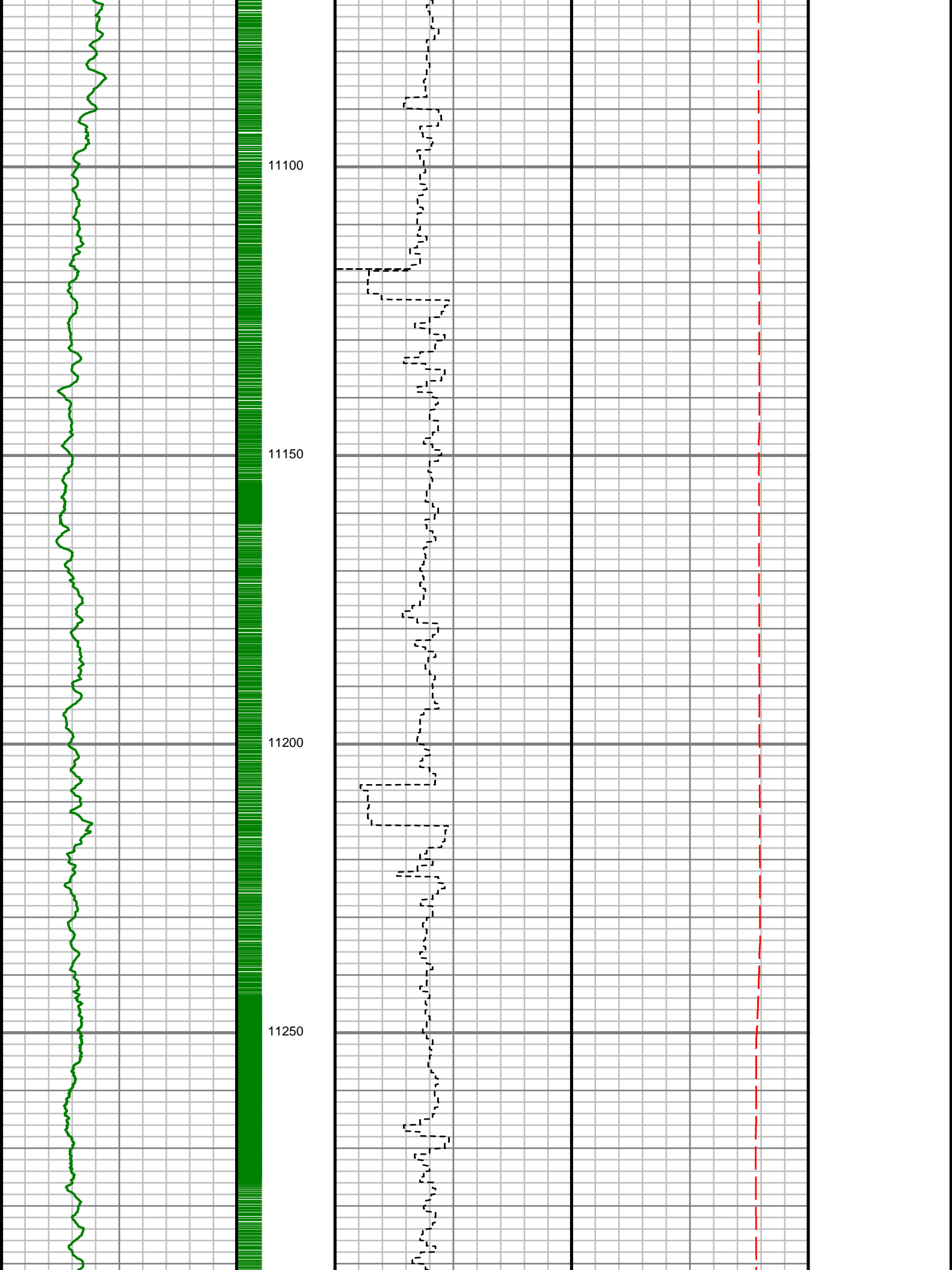


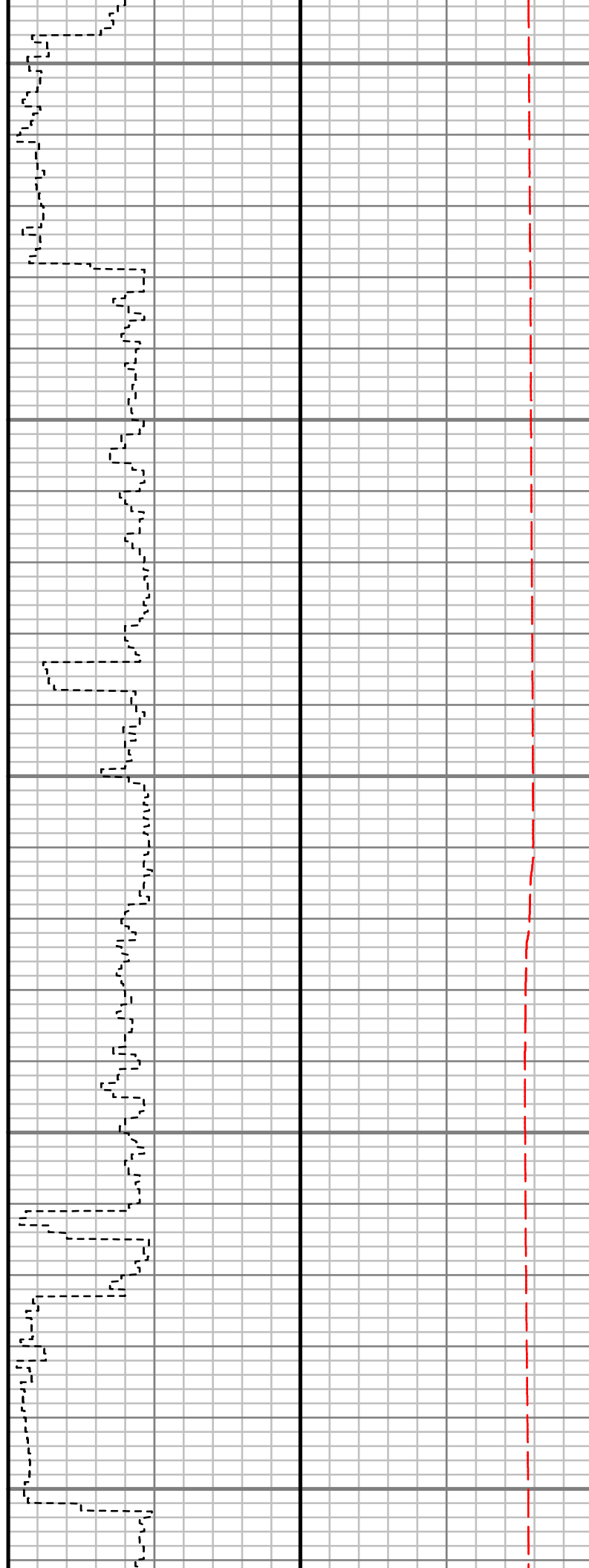
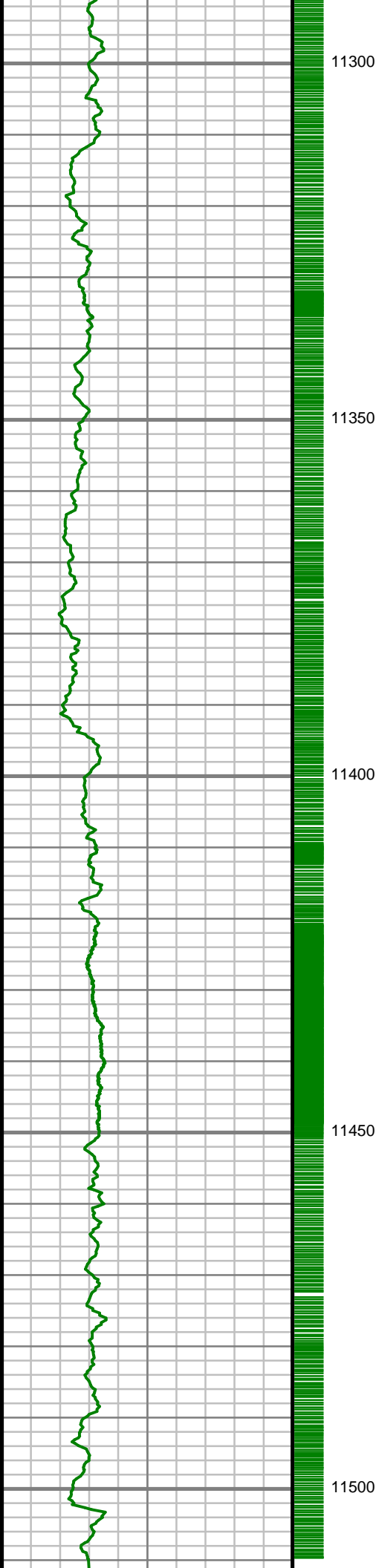


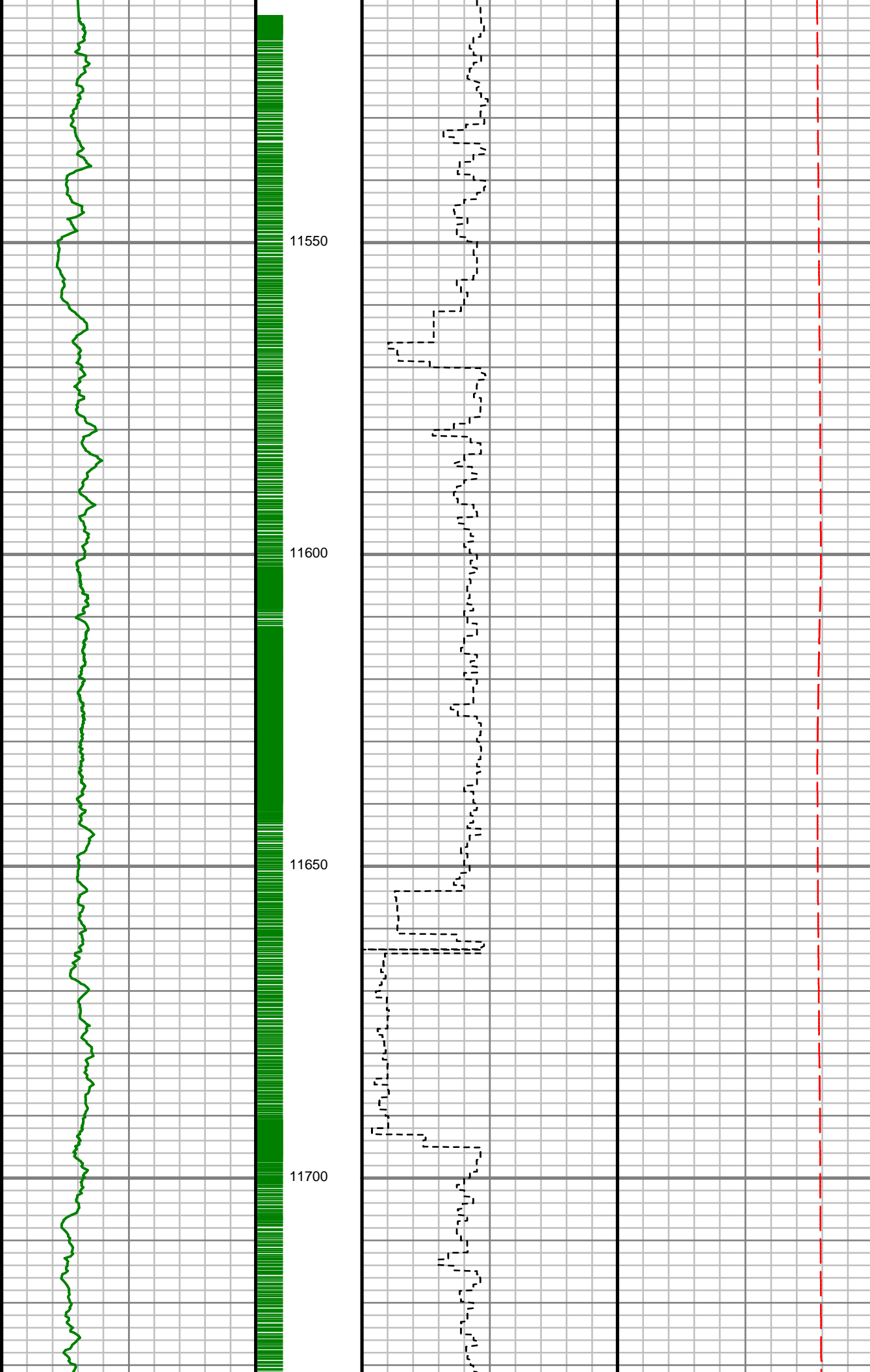


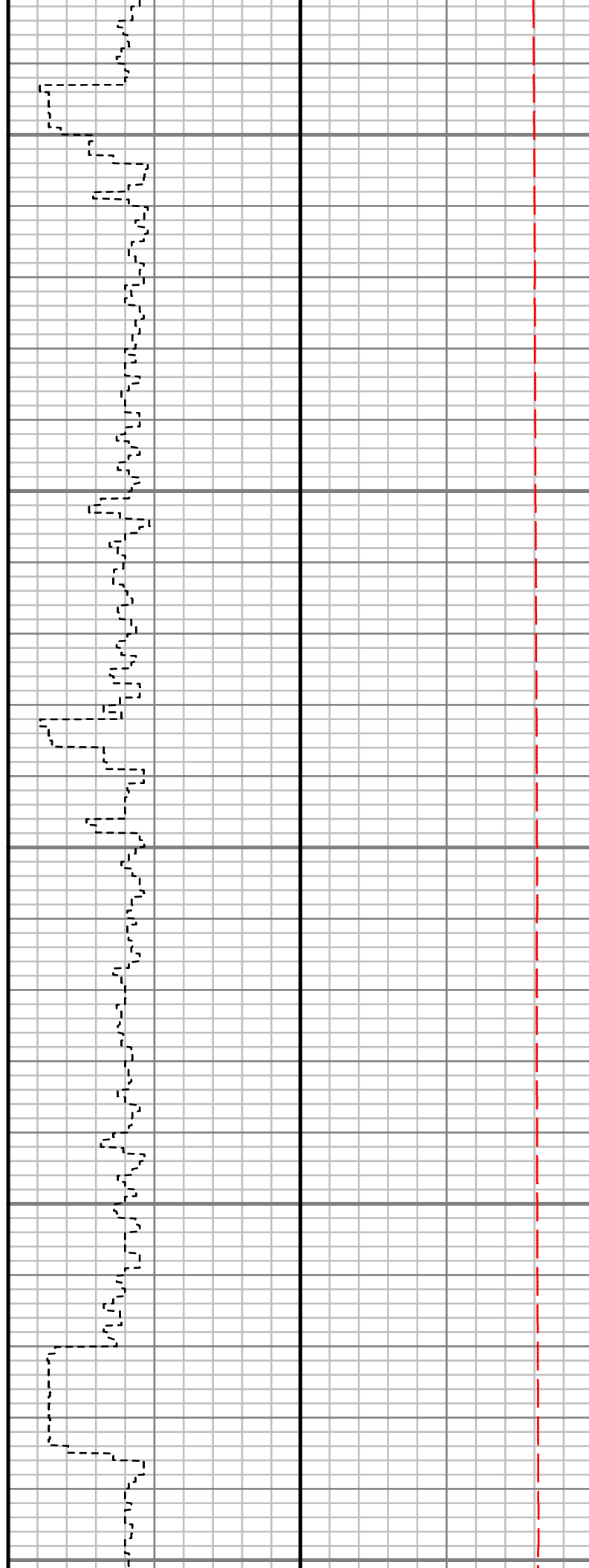
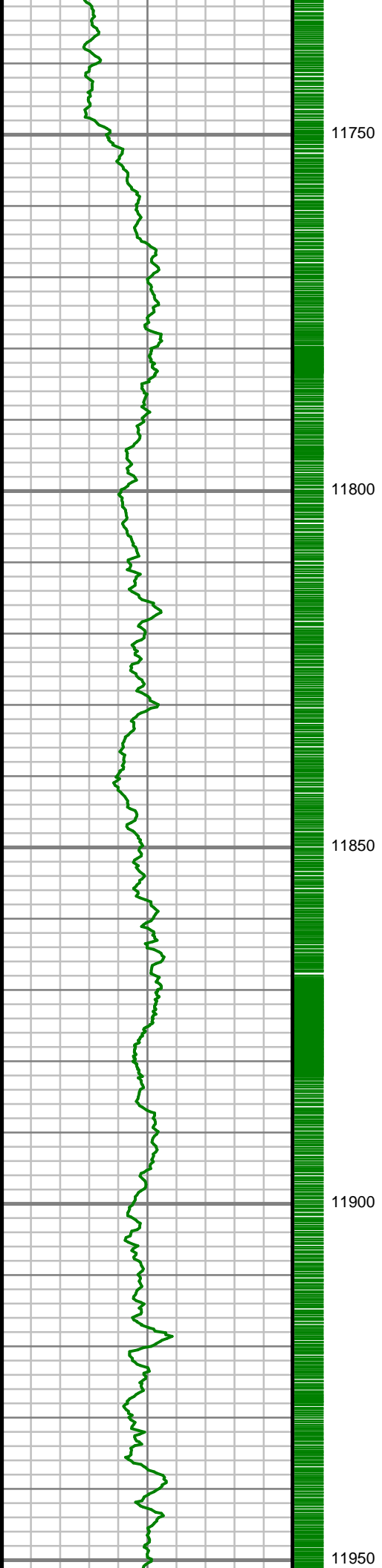


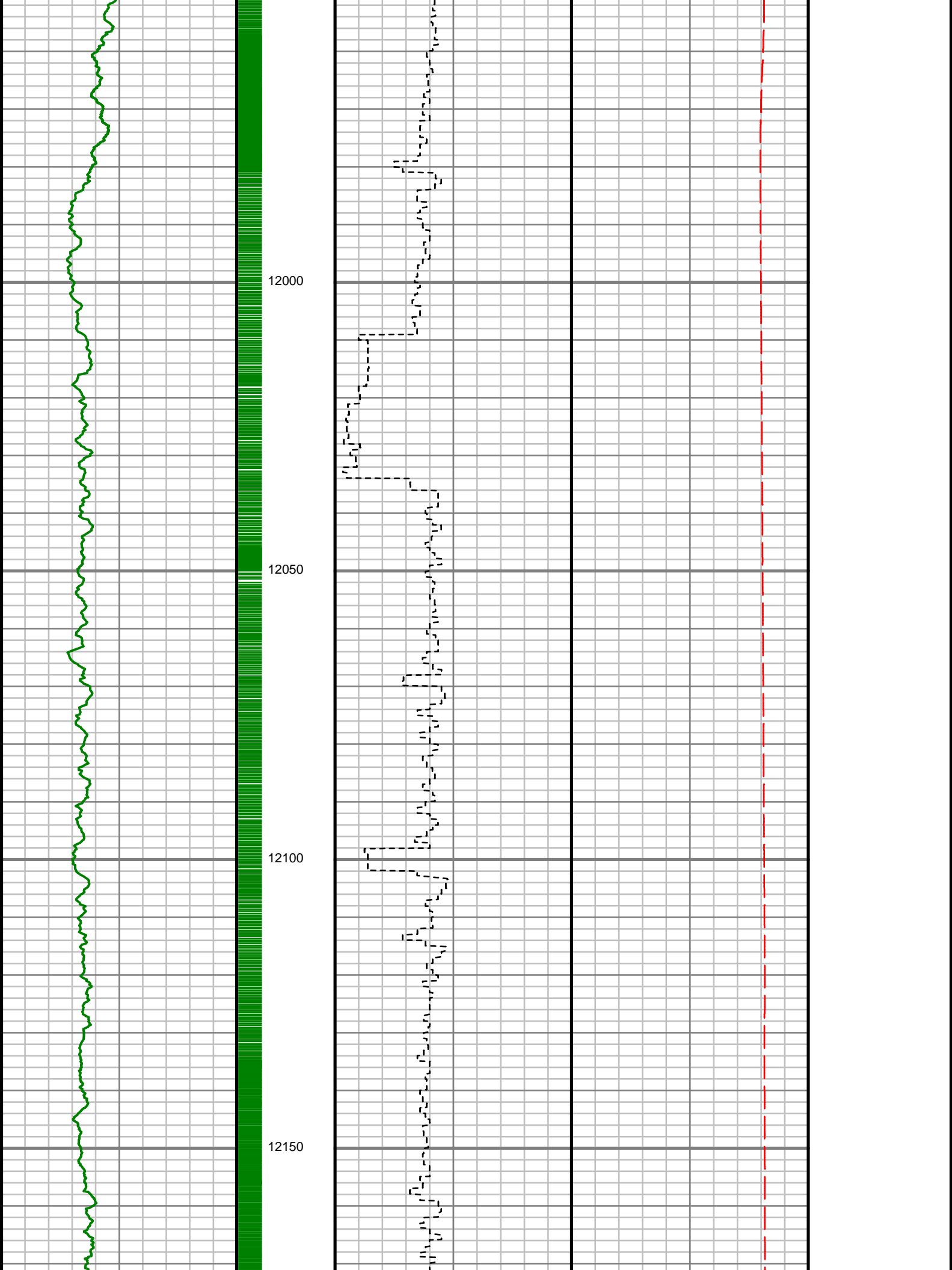


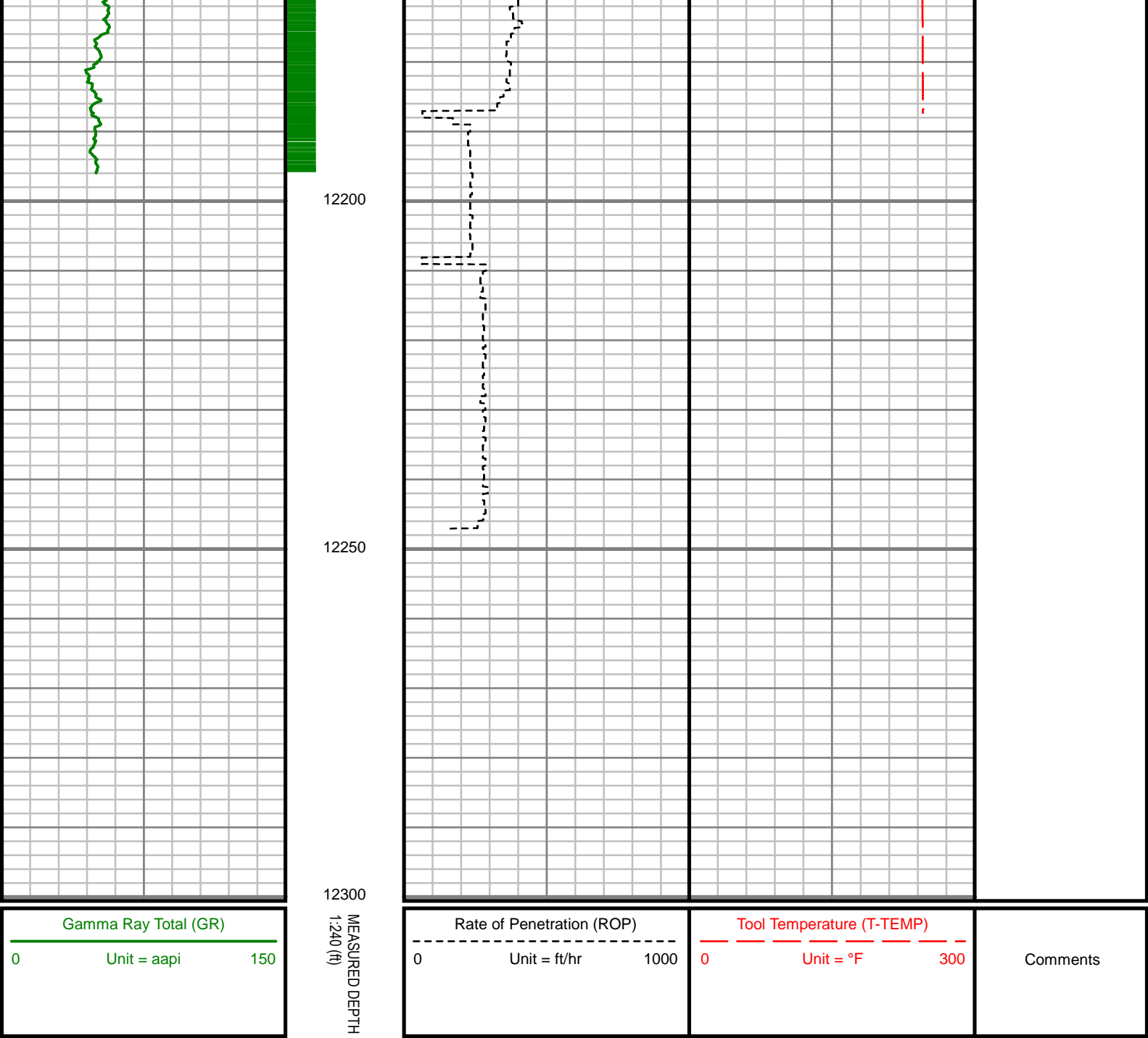












GAMMA RAY

5" = 100' MD