



Date / Time	Run No.	Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2019-08-23 21:00	1	1820.15	Diesel-Oil Based Mud	10.5	31	N/A	10.0	60/23	Active Pit	24295	0.00
2019-08-24 02:00	1	2707.07	Diesel-Oil Based Mud	10.5	31	N/A	10.0	60/23	Shale Shaker	24295	0.00
2019-08-25 02:00	1	7873.87	Diesel-Oil Based Mud	10.5	27	N/A	10.0	58.1/25	Flow Line	24295	0.00
2019-08-26 02:00	1	11504.08	Diesel-Oil Based Mud	11.0	30	N/A	9.1	60/21	Shale Shaker	22352	0.00

### Equipment and Service Data

Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	AutoTrak Curve Steering Unit	14186737	Near Bit Inclination	5.93	6.77	7.000	4.330
1	AutoTrak Curve Steering Unit	14186737	Near Bit VSS	5.93	6.77	7.000	4.330
1	AutoTrak Curve MWD	11993844	Gamma (single)	2.76	12.96	7.000	3.250
1	AutoTrak Curve MWD	11993844	Directional (mag)	12.27	22.47	7.000	3.250

### Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM

### Comments

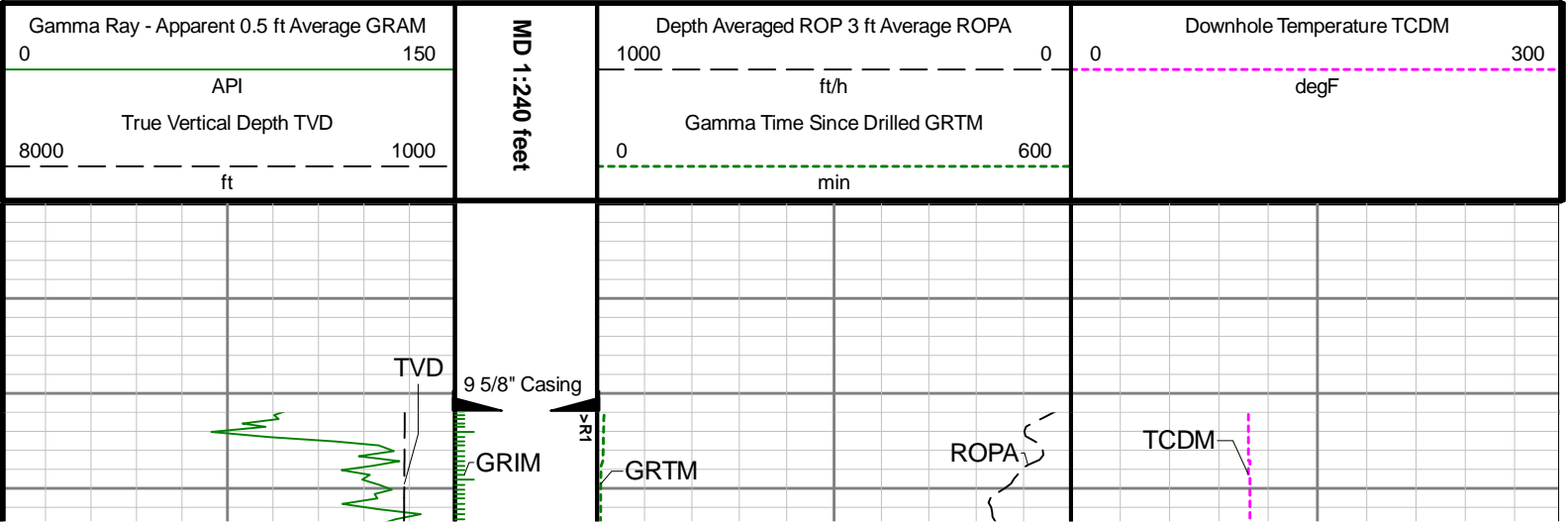
1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes, a GE Company (BHGE). Due to the lack of control by Baker Hughes, depth calibrations and measurements could not be independently verified.
2	BHGE LWD run 1 utilized a 6.75 inch NaviGamma service (Directional and Gamma Ray) behind a 8.5 inch bit and rotary steerable assembly from 1772 to 13772 feet MD (1772 to 7793 feet TVD).
3	"Date To" indicates the date and time the well reached Total Depth (TD) and logging services ended.

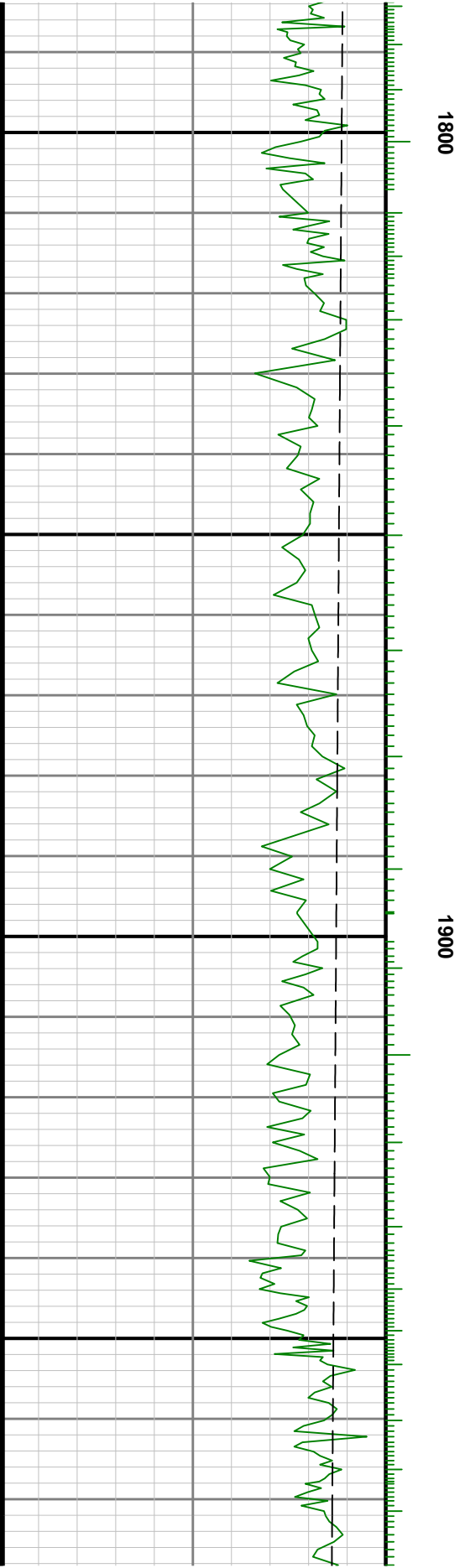
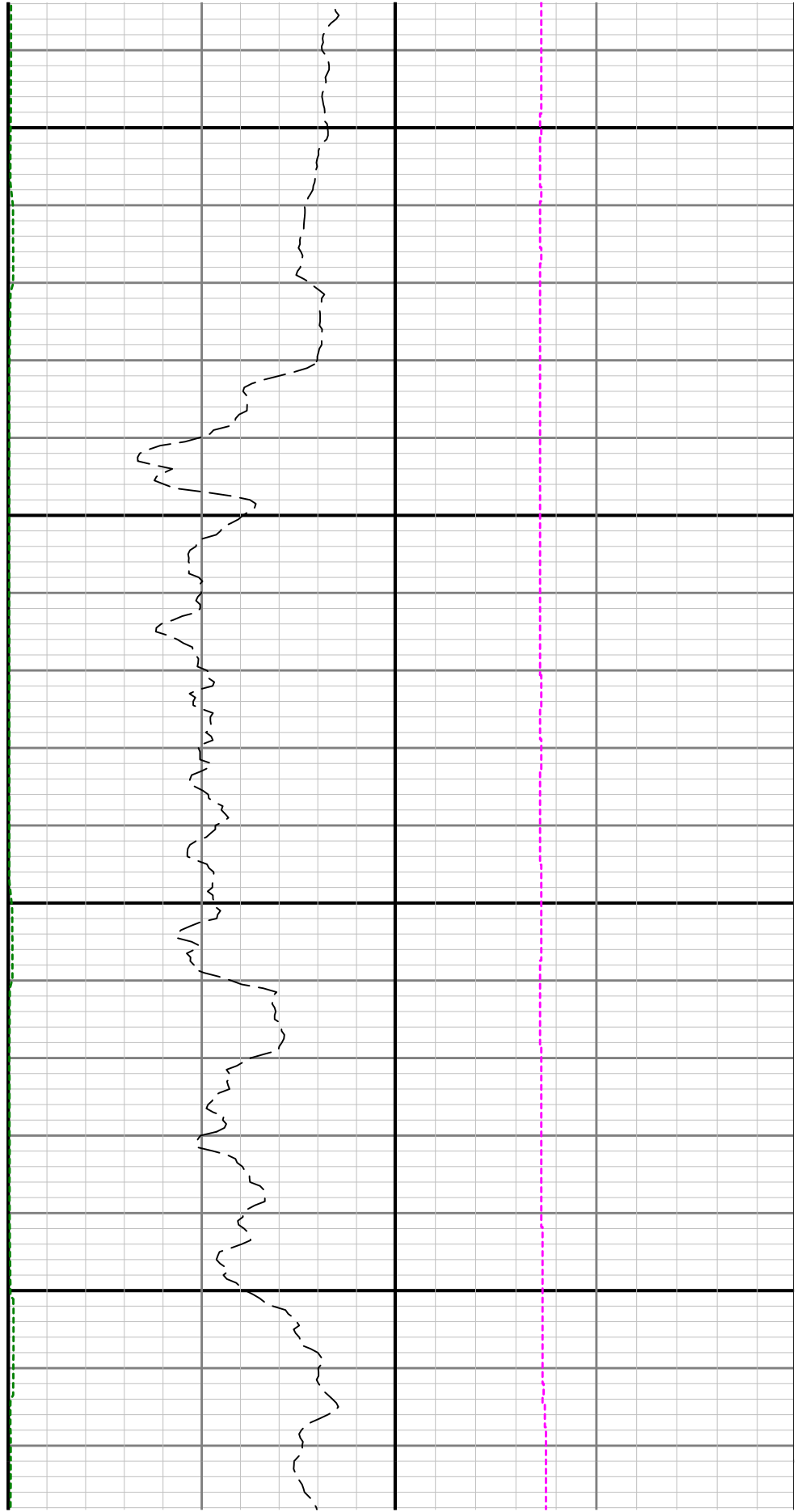
### Remarks

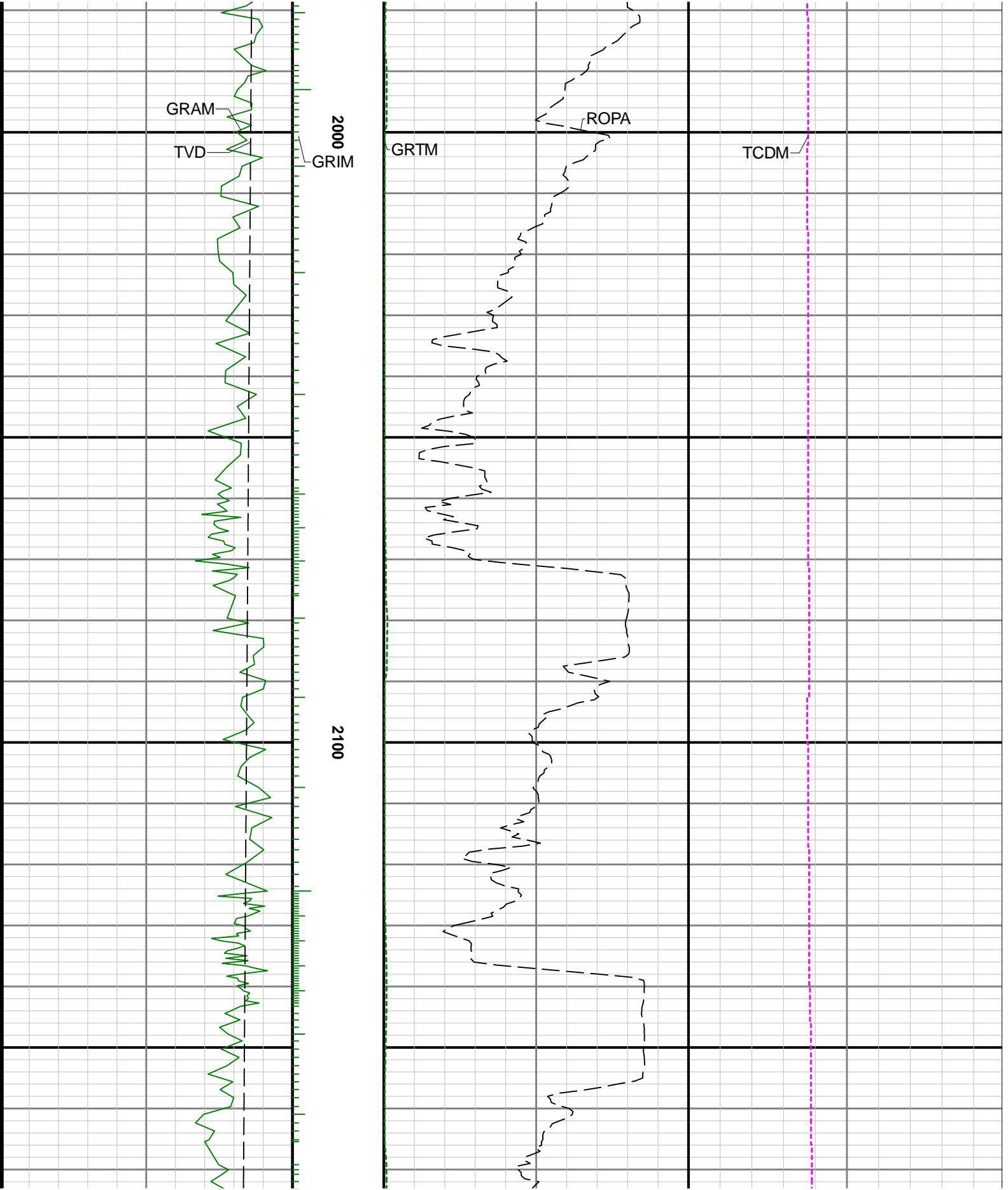
Number	Depth (ft)	Hole Section (in)	Run No.	Remark
1	13757.00	8.500	1	The interval from 13758 to 13772 feet MD (7793 feet TVD) was not logged after being drilled due to sensor to bit offset at well TD.

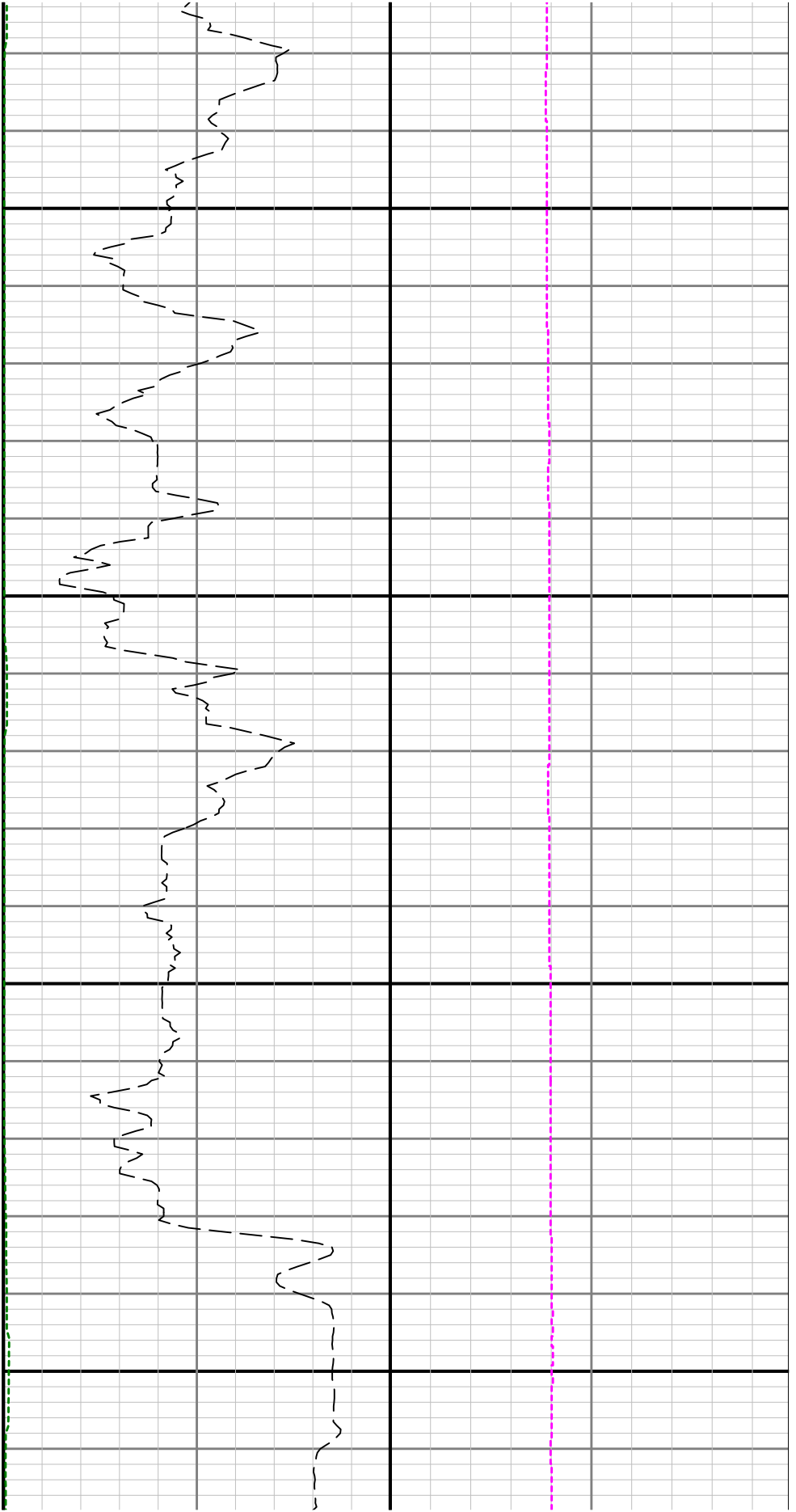
### Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	Gamma Ray - Time Since Drilled - Memory	min
TCDM	Directional Real-Time Survey Temperature	degF



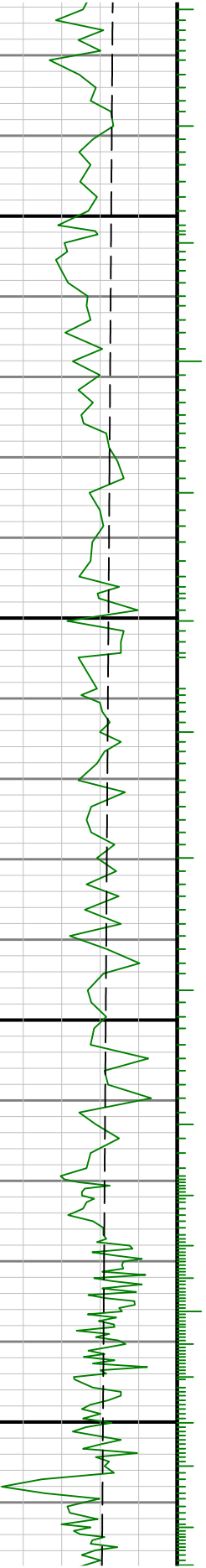






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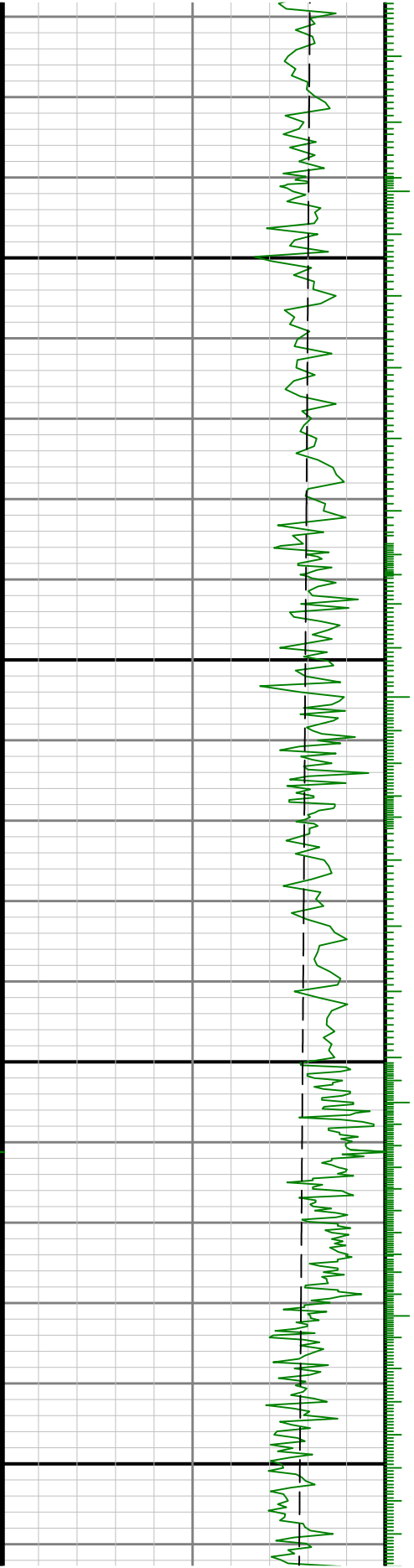
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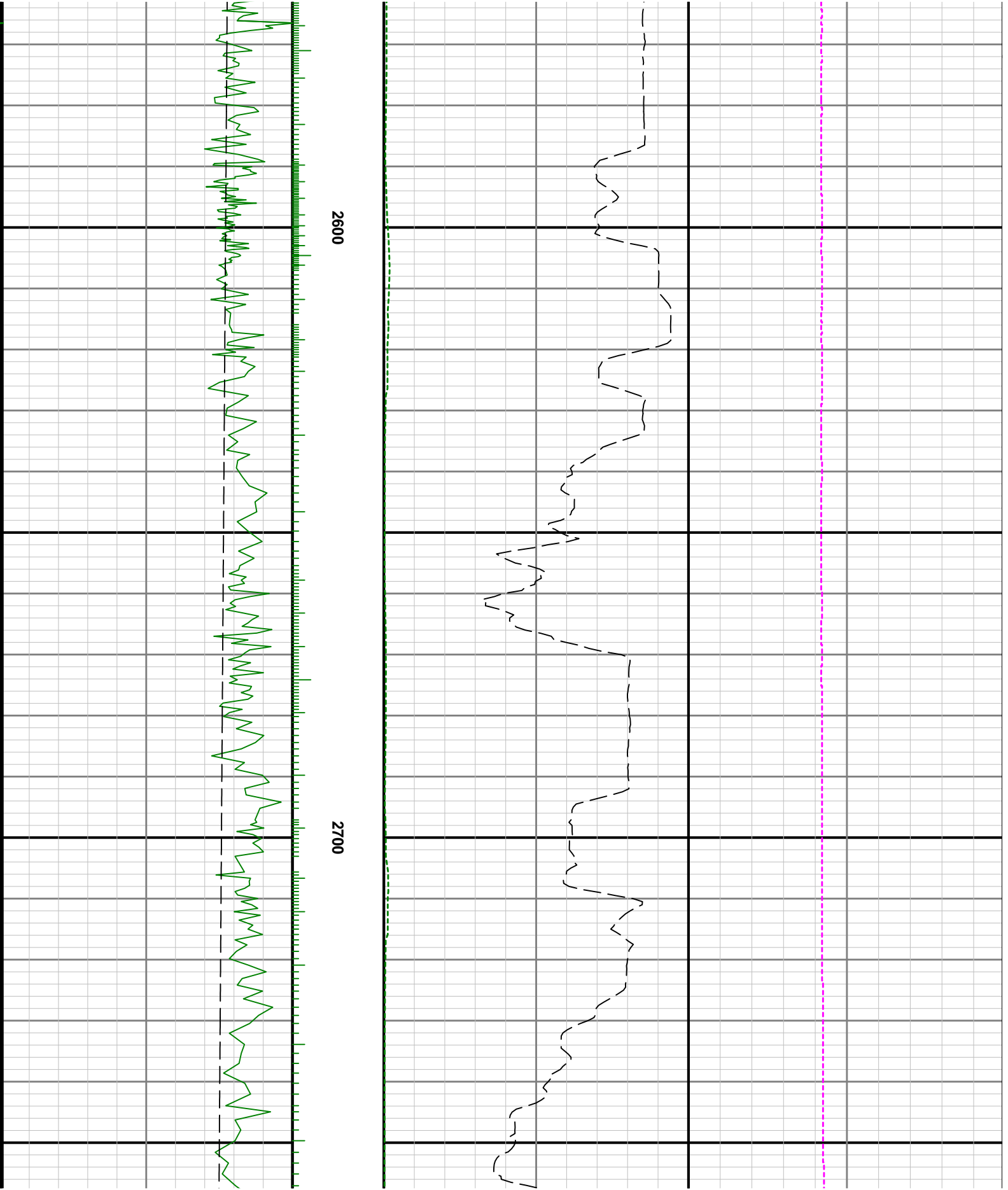


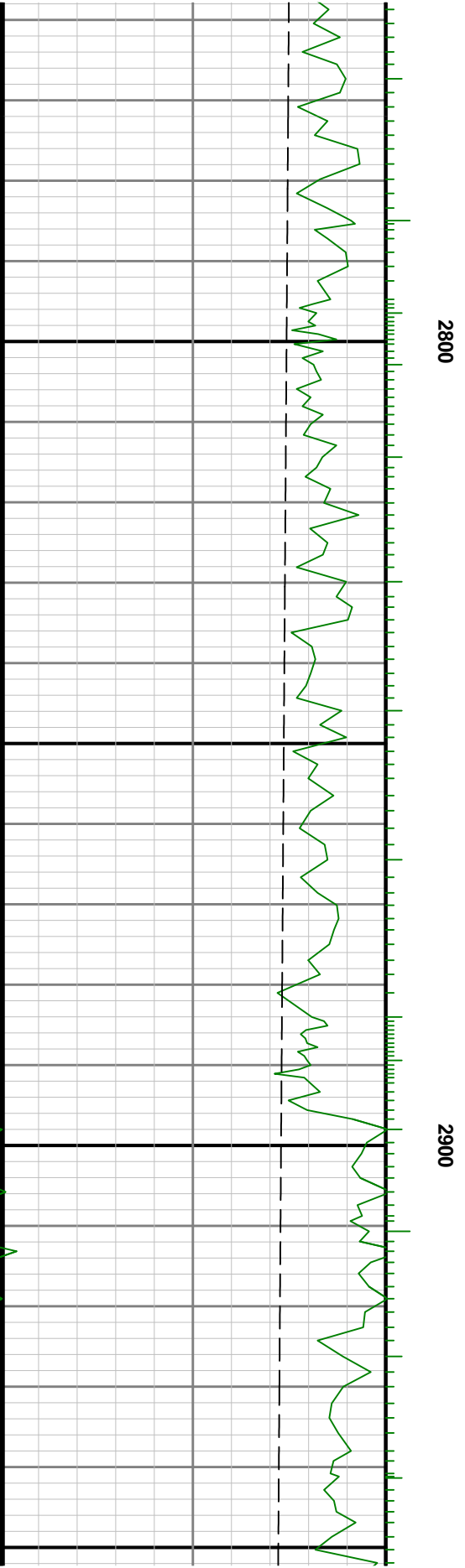
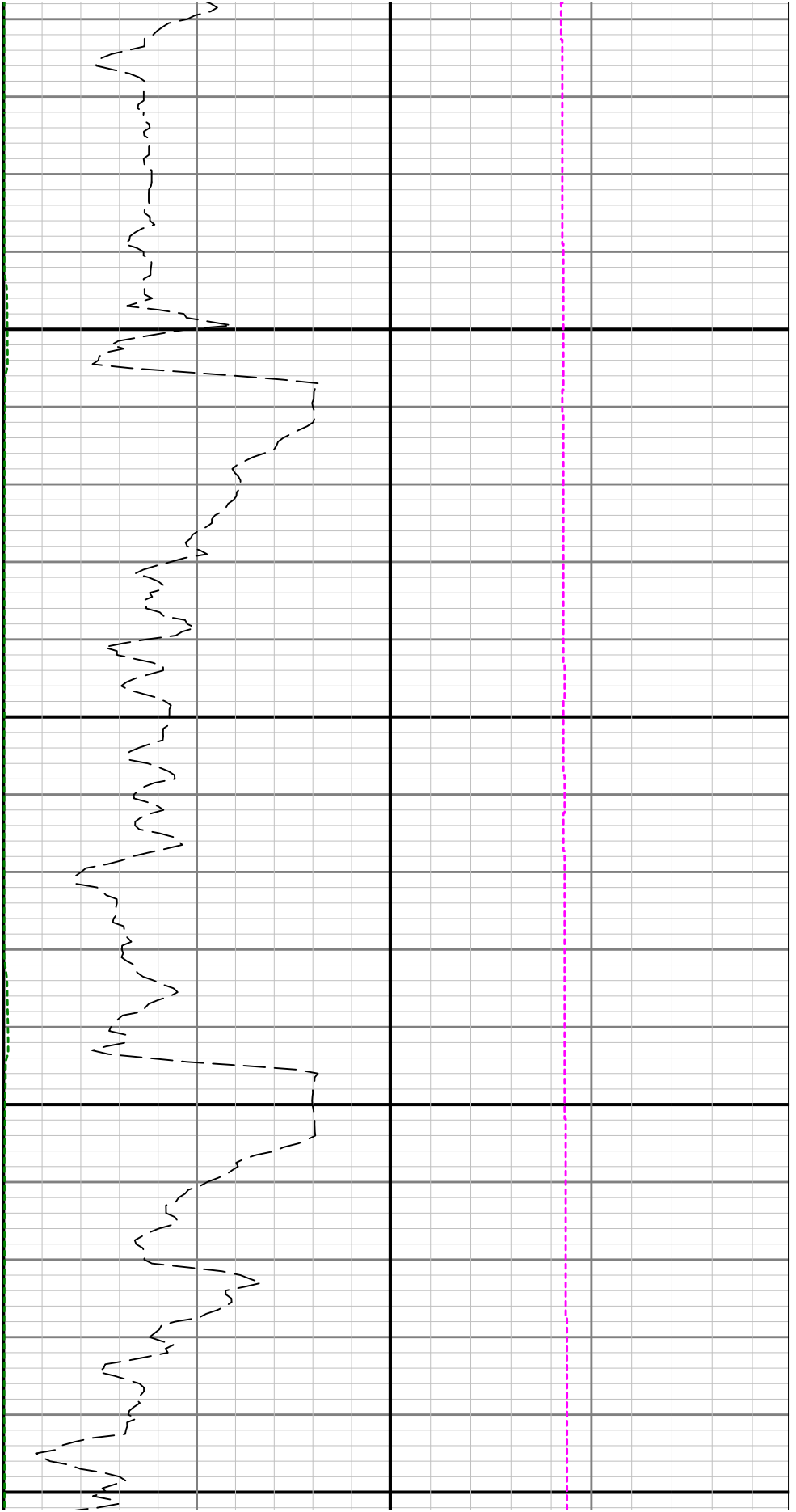


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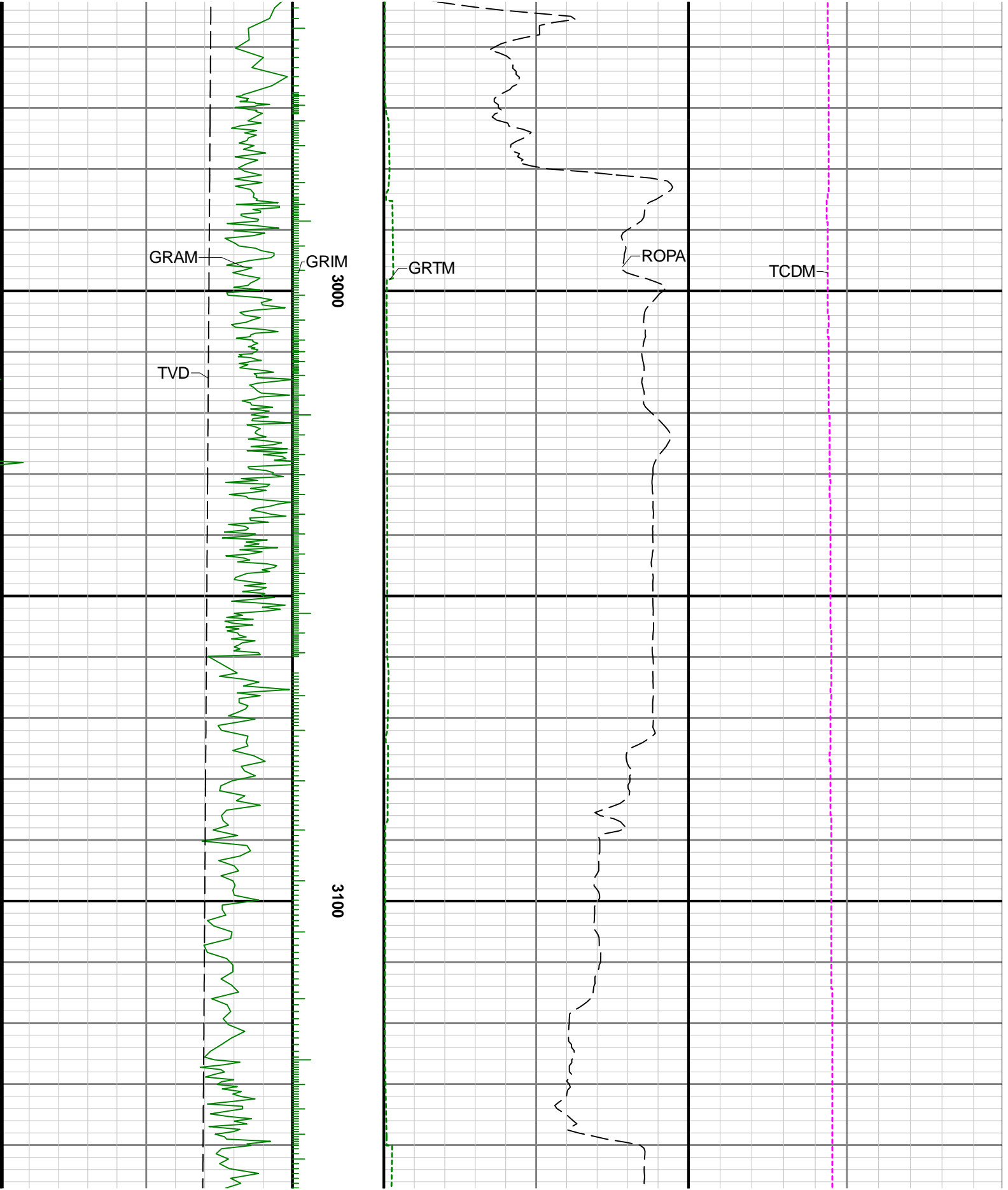
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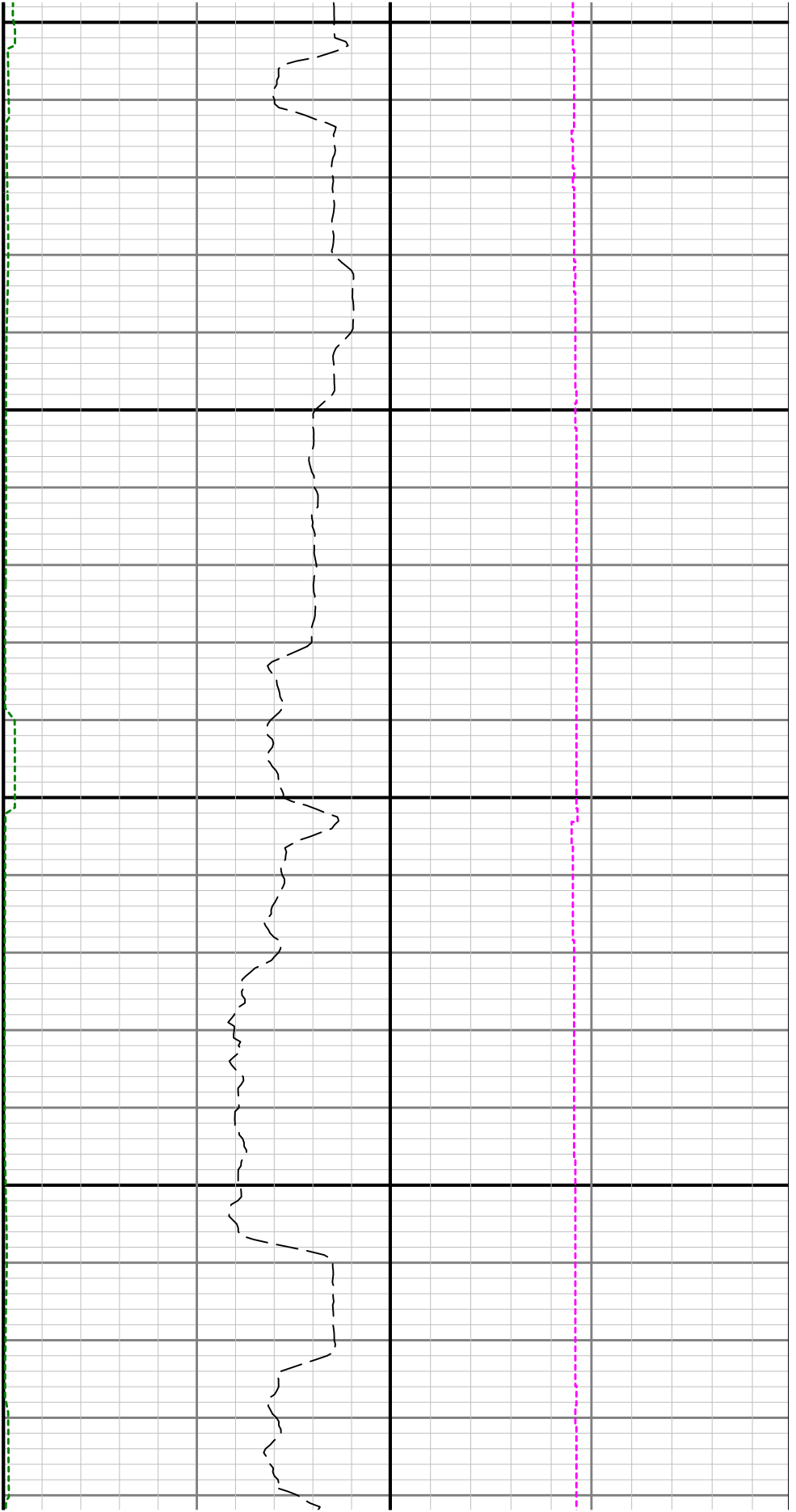








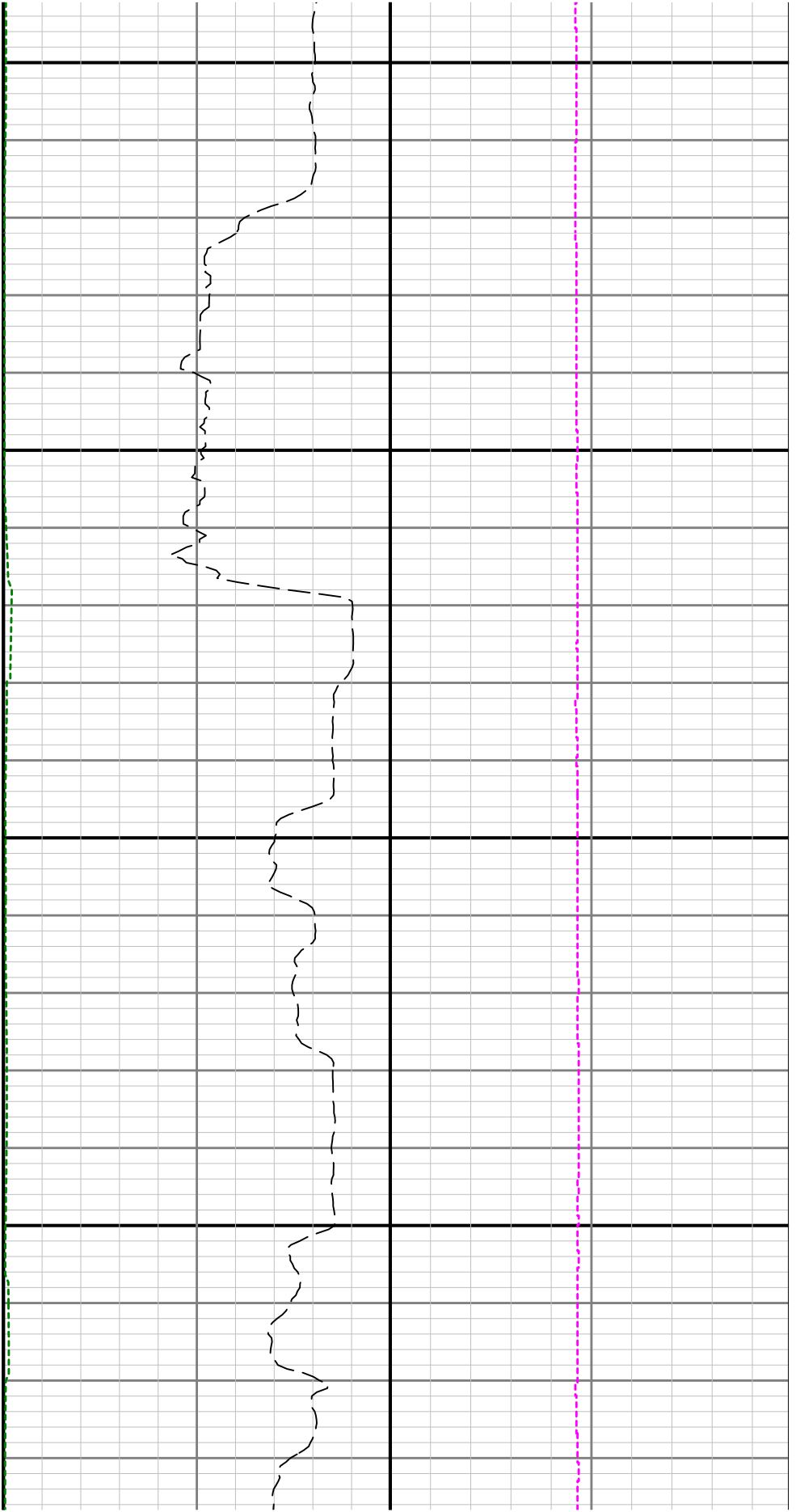




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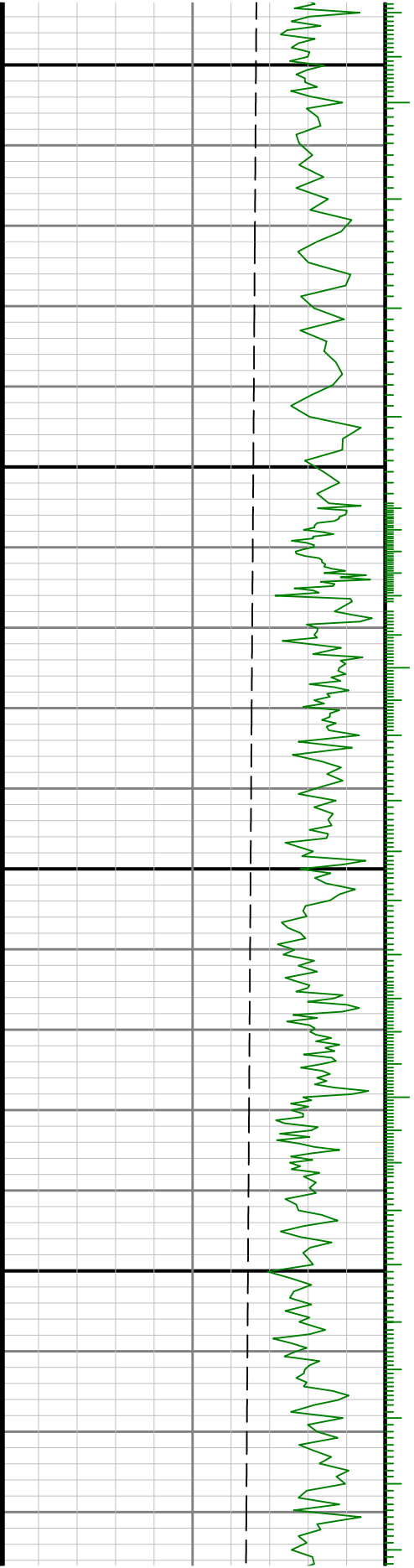
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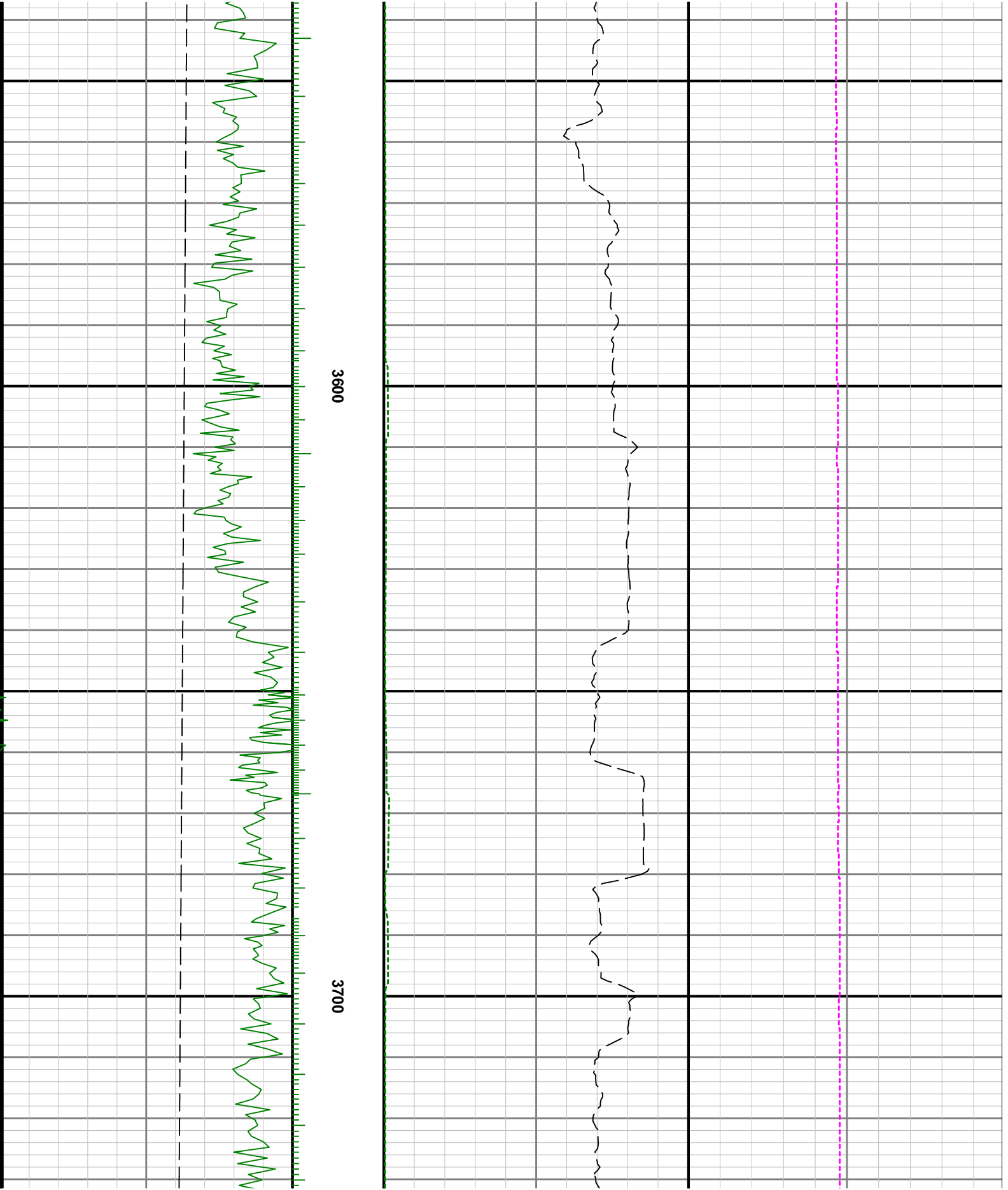


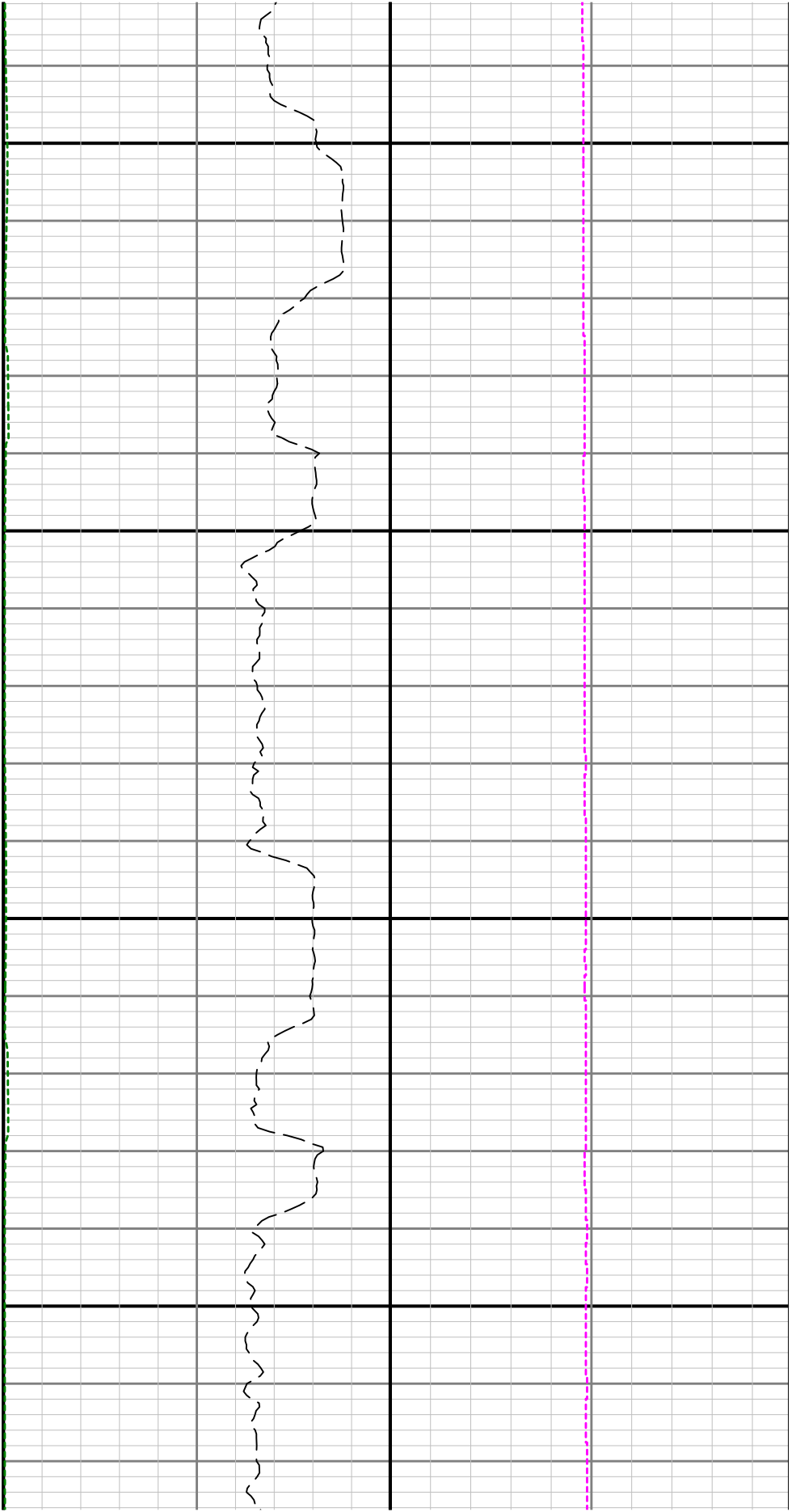


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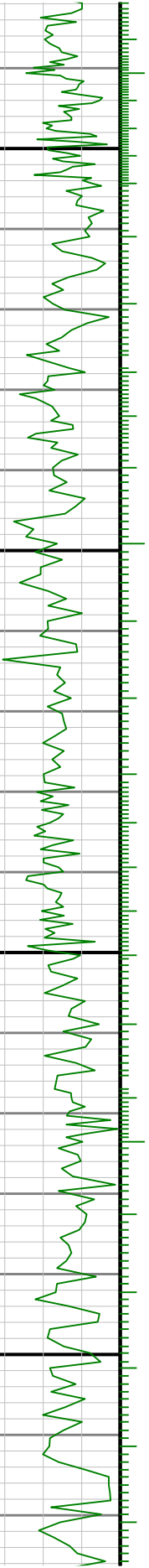


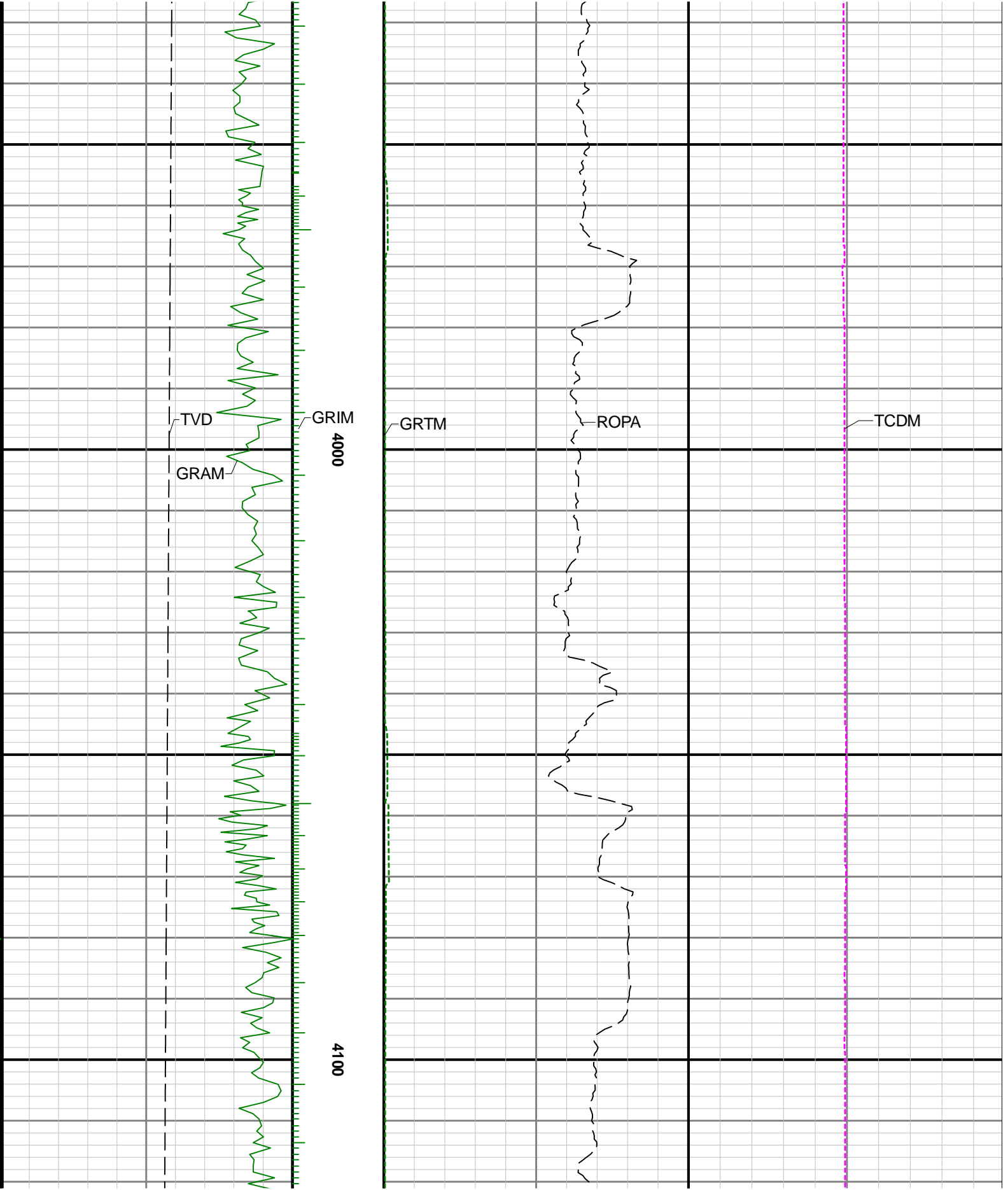


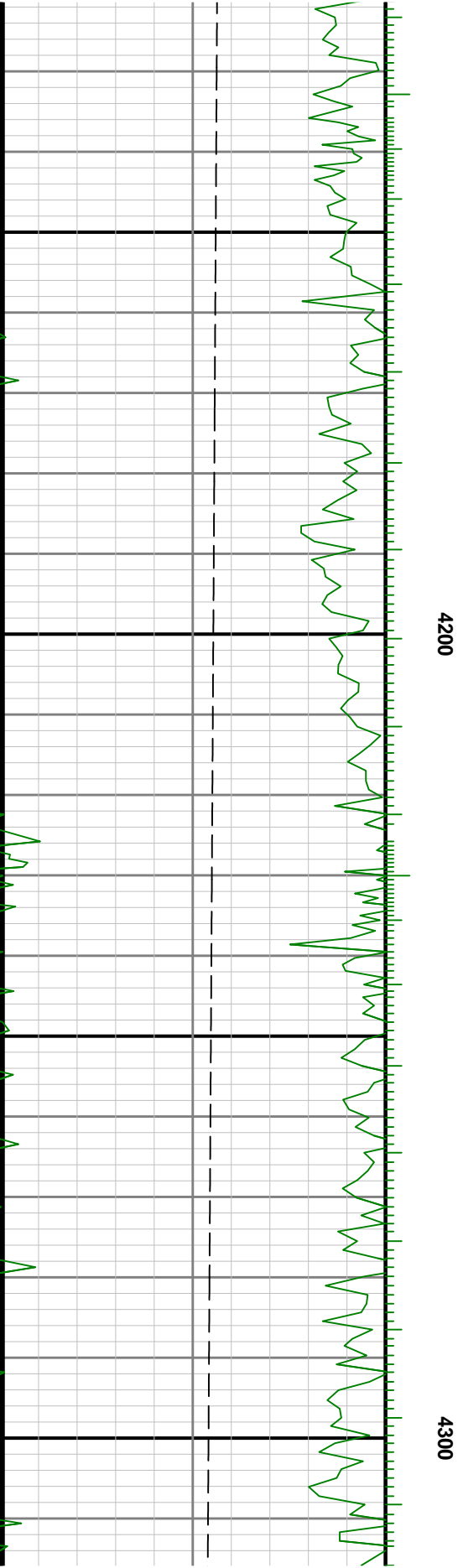
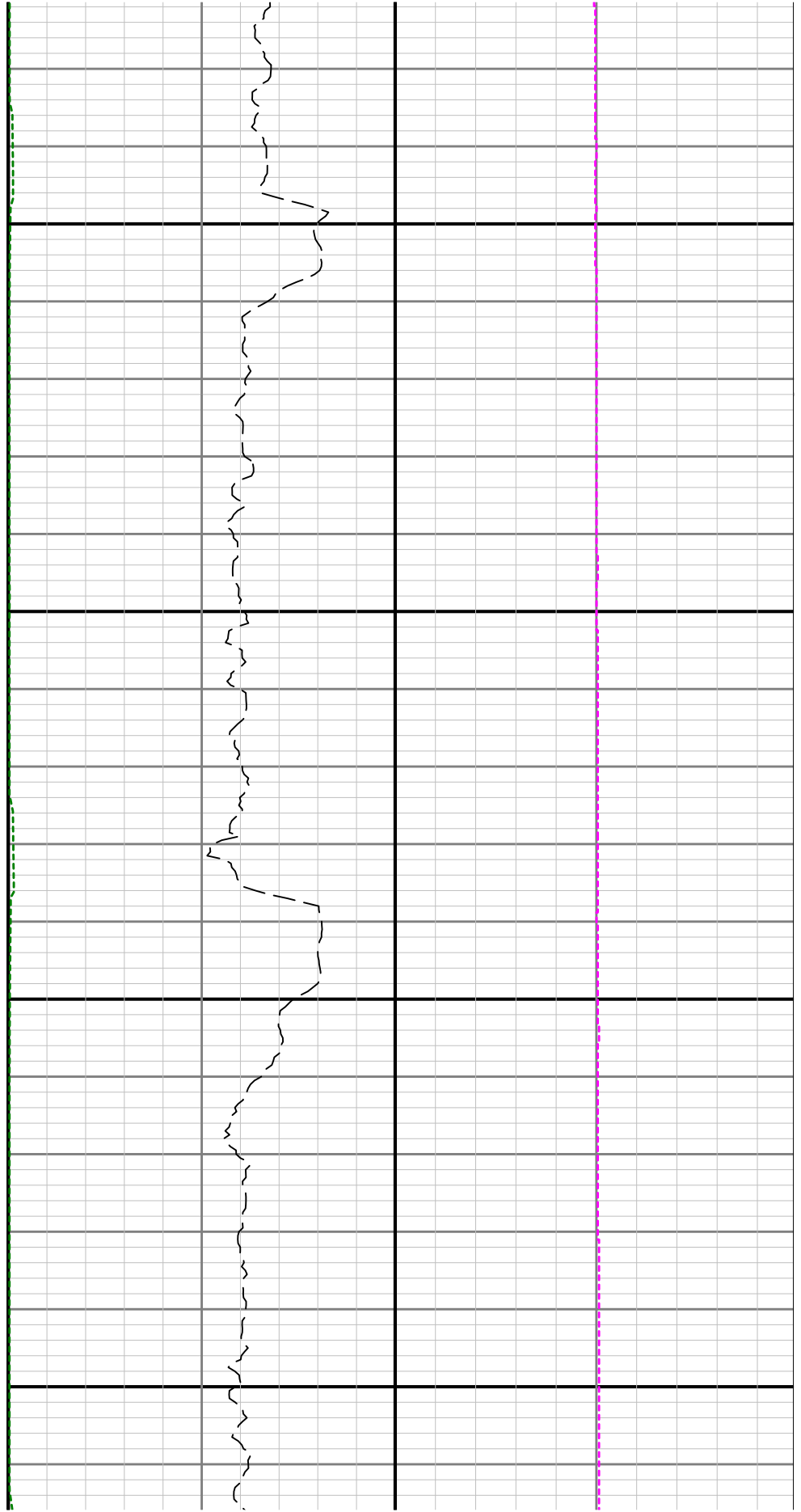


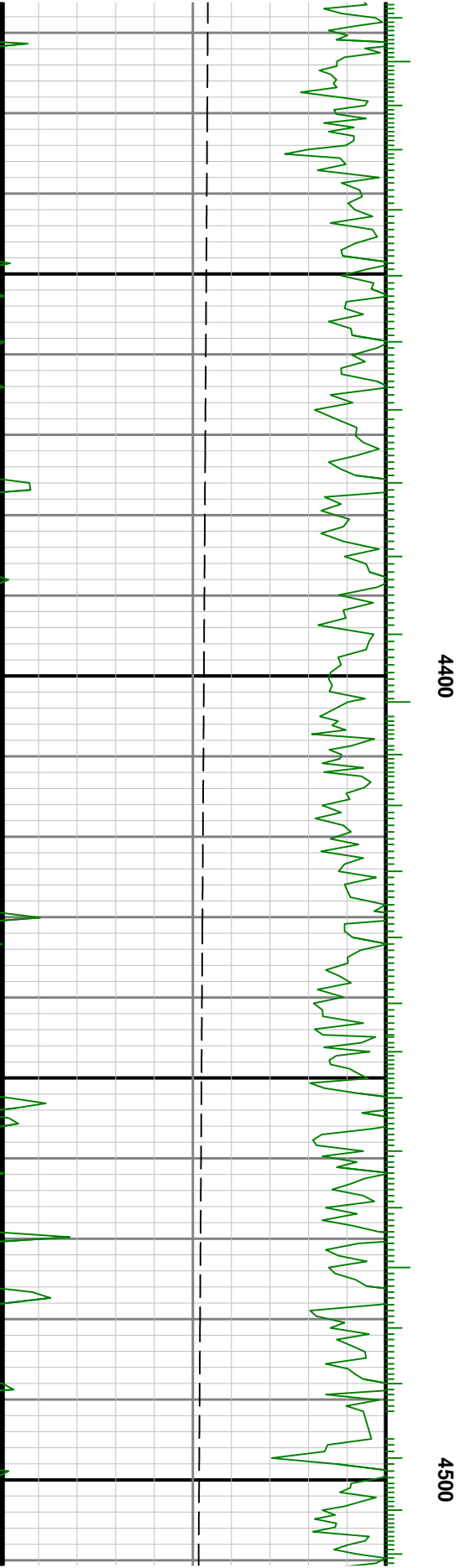
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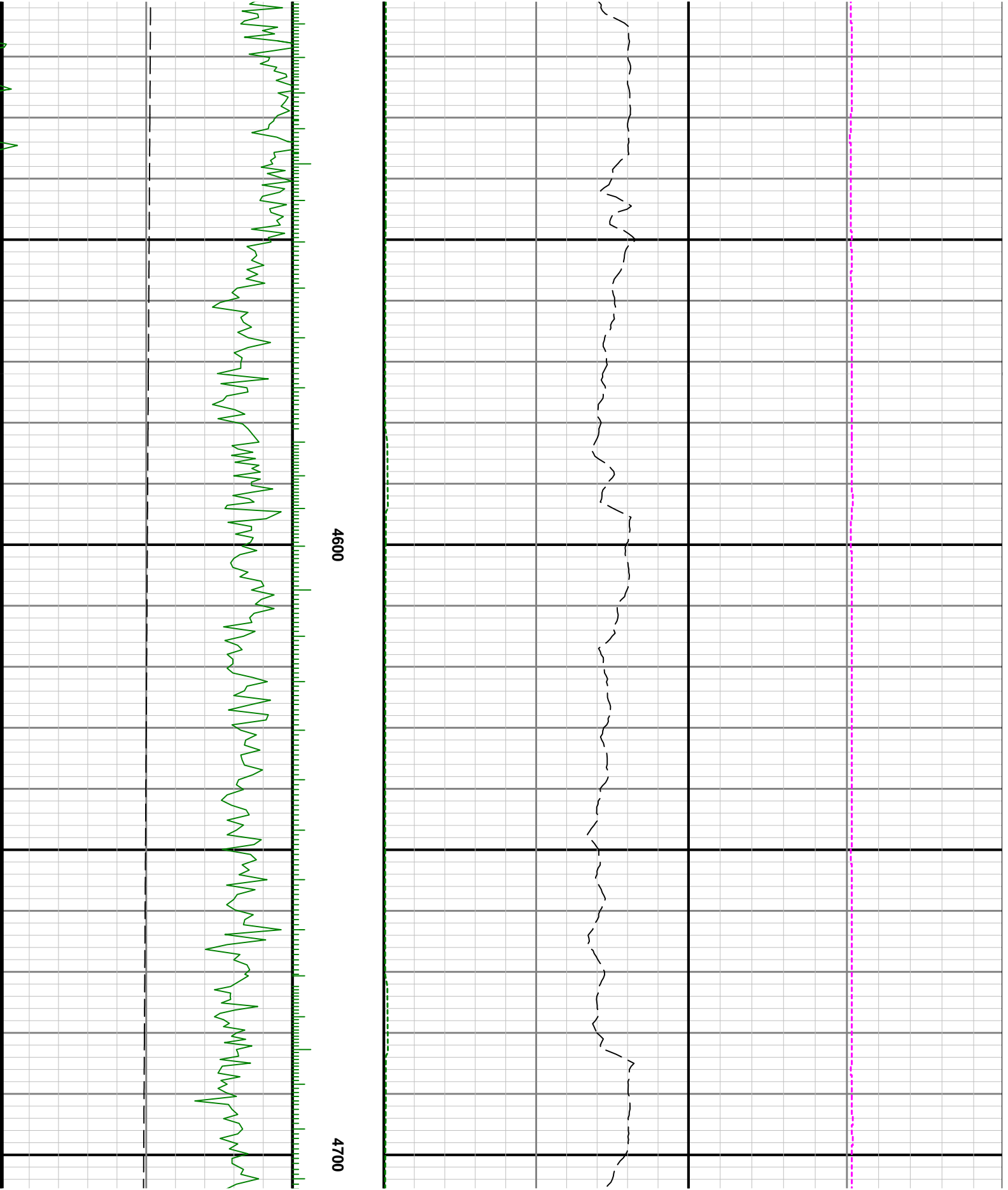




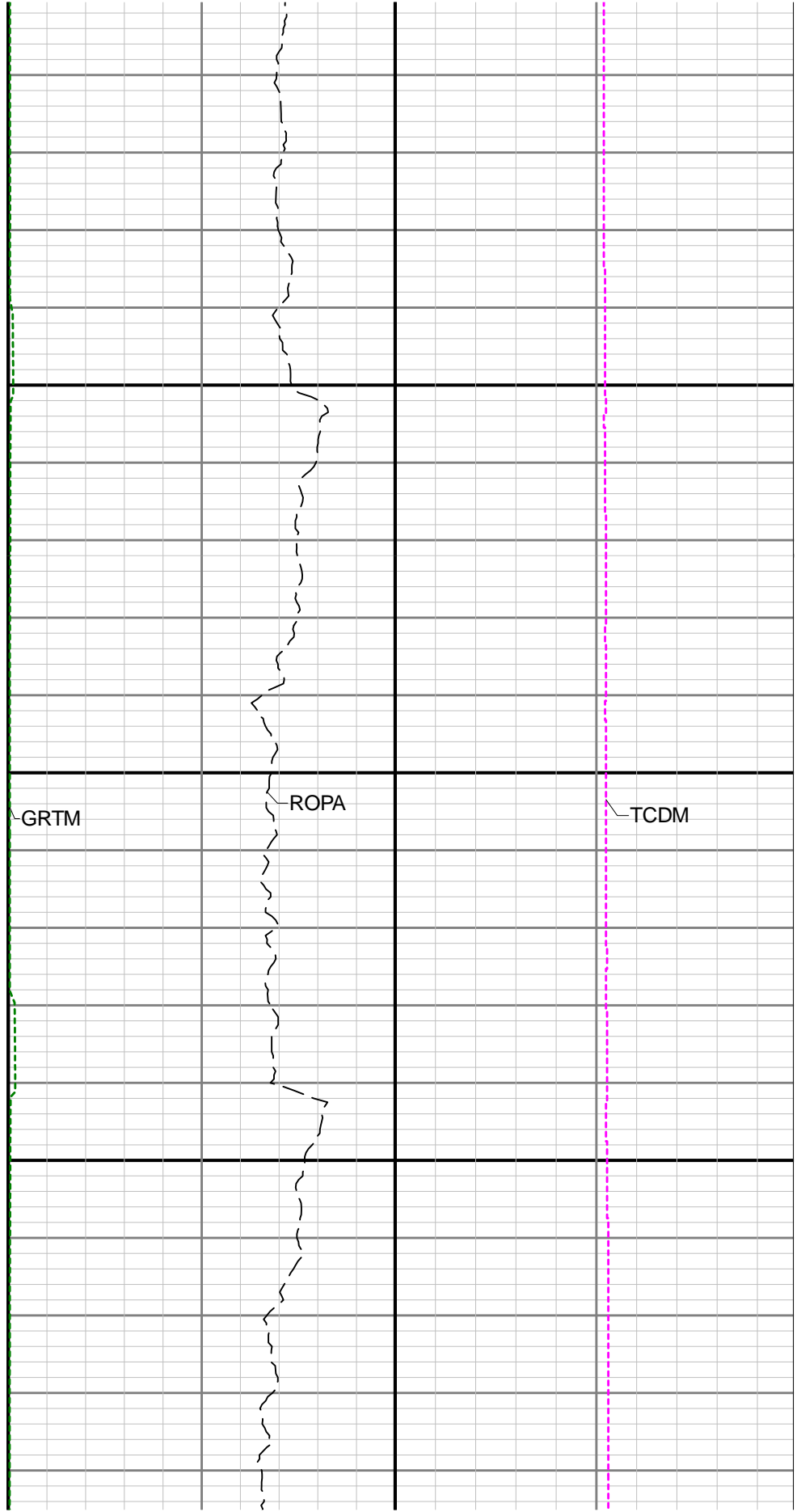
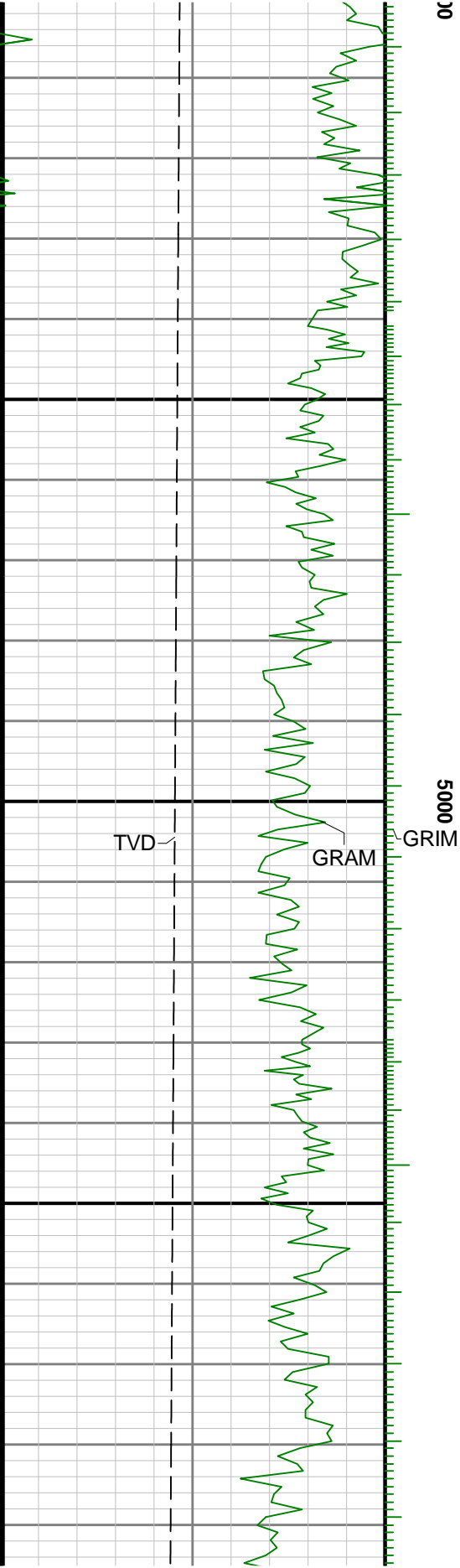


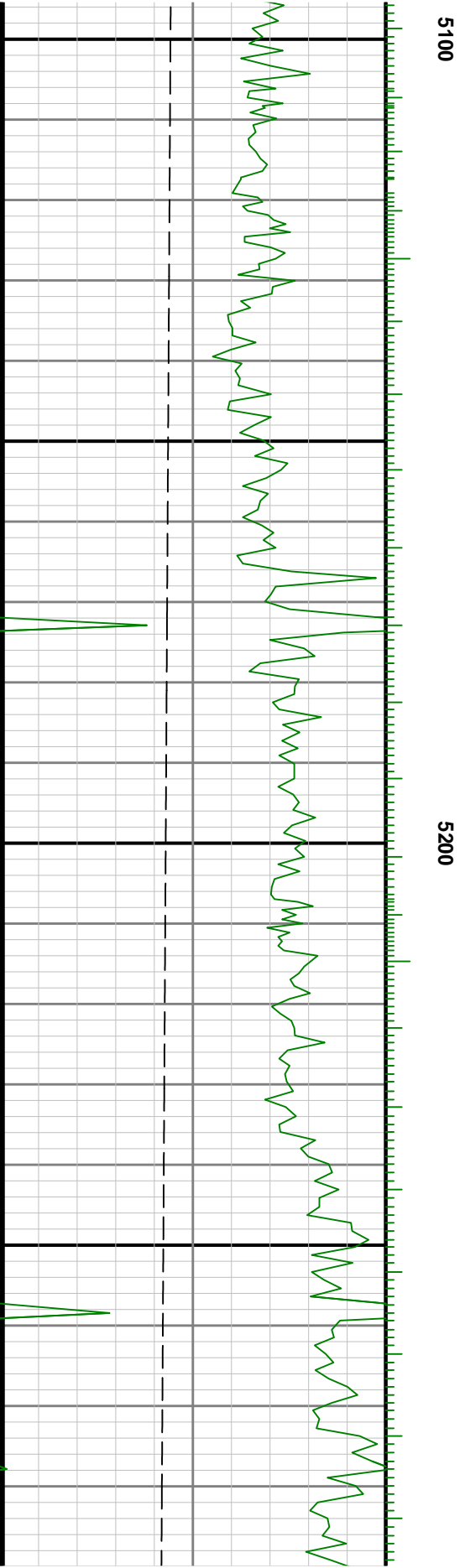
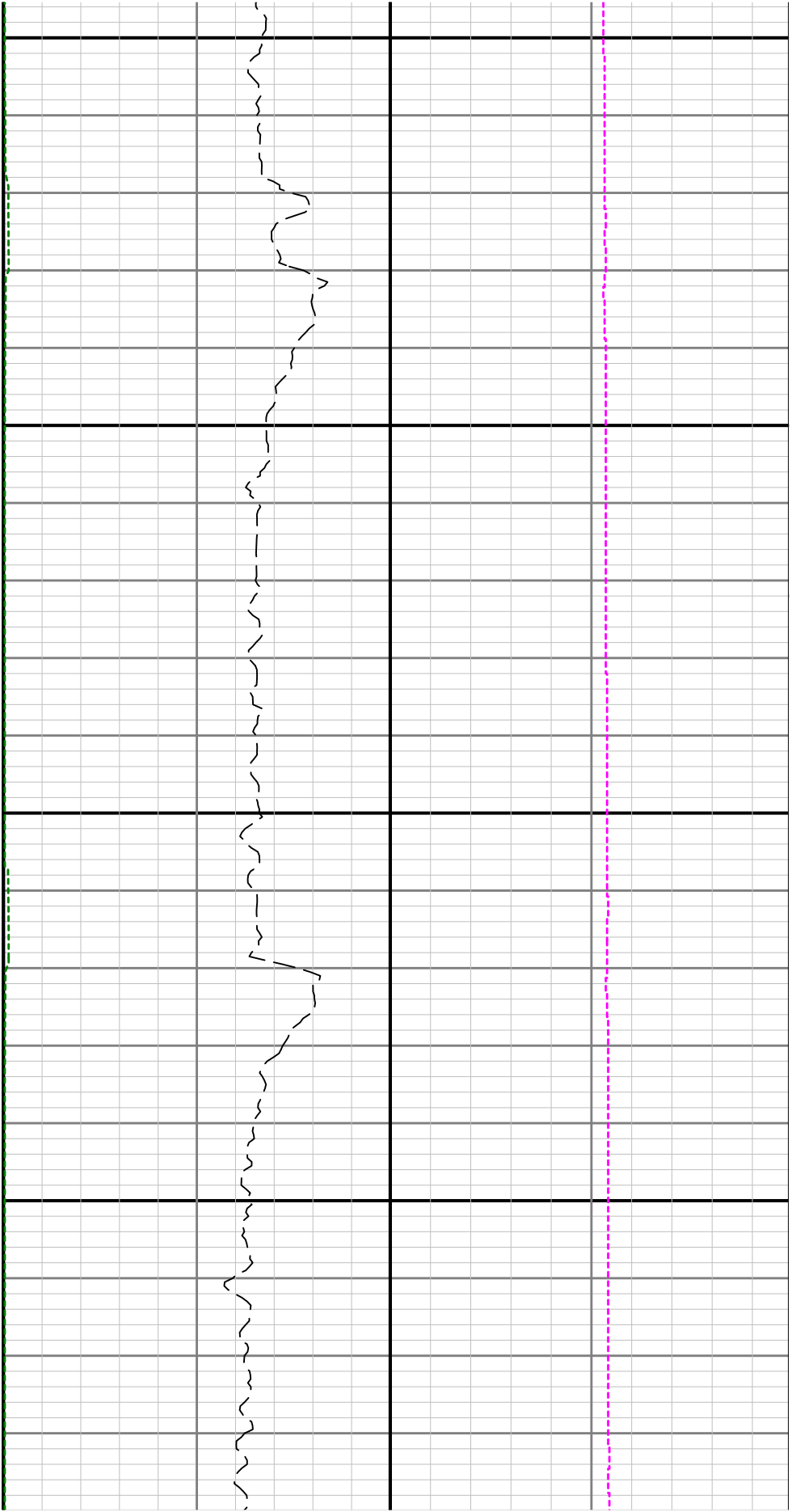


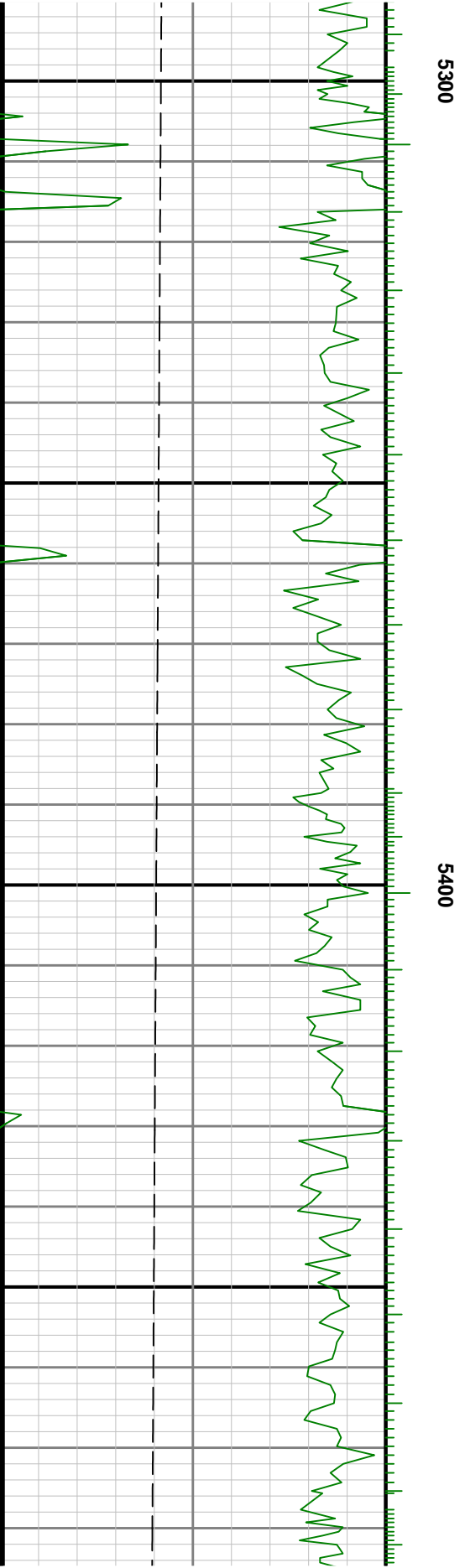
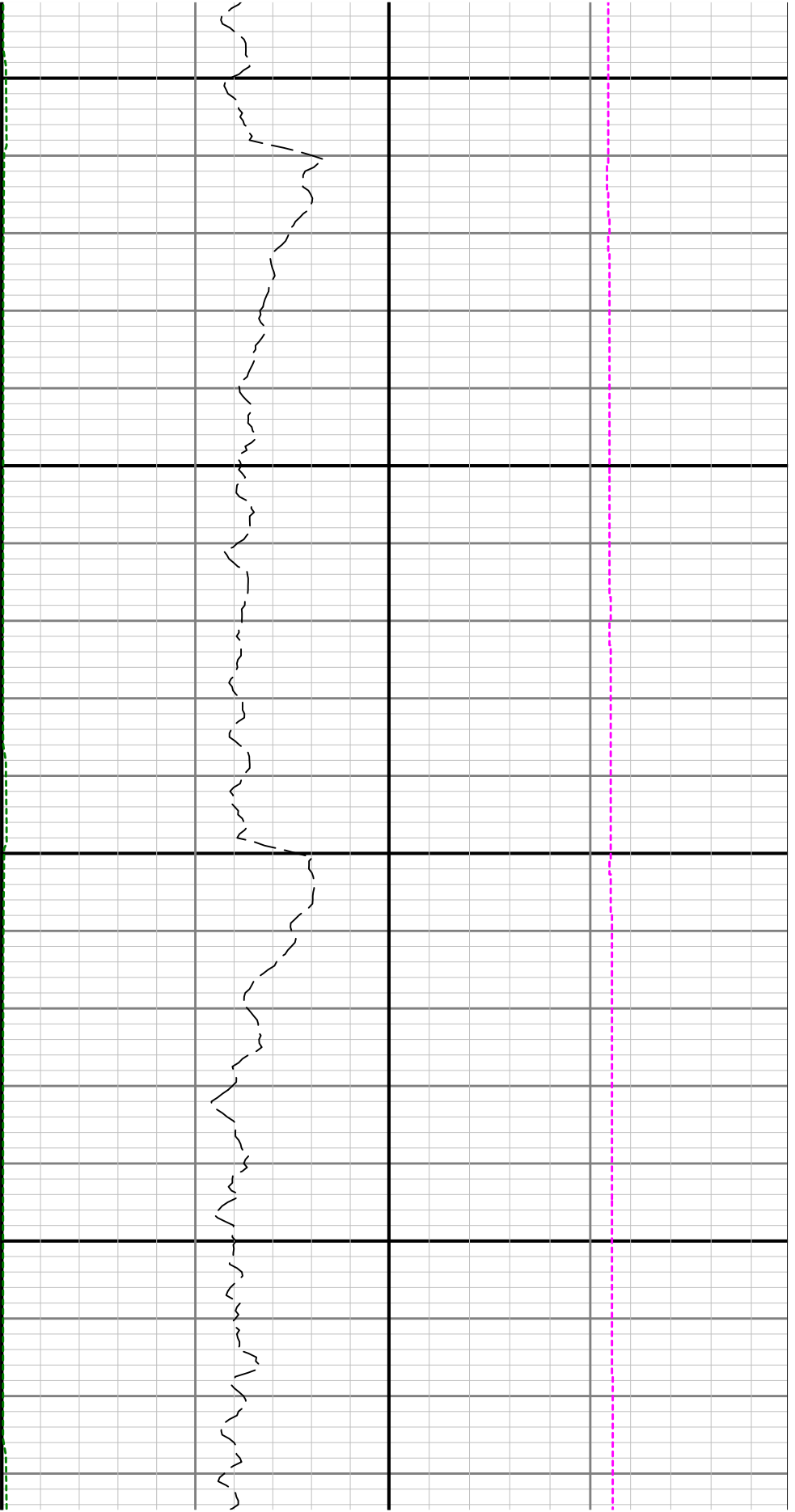




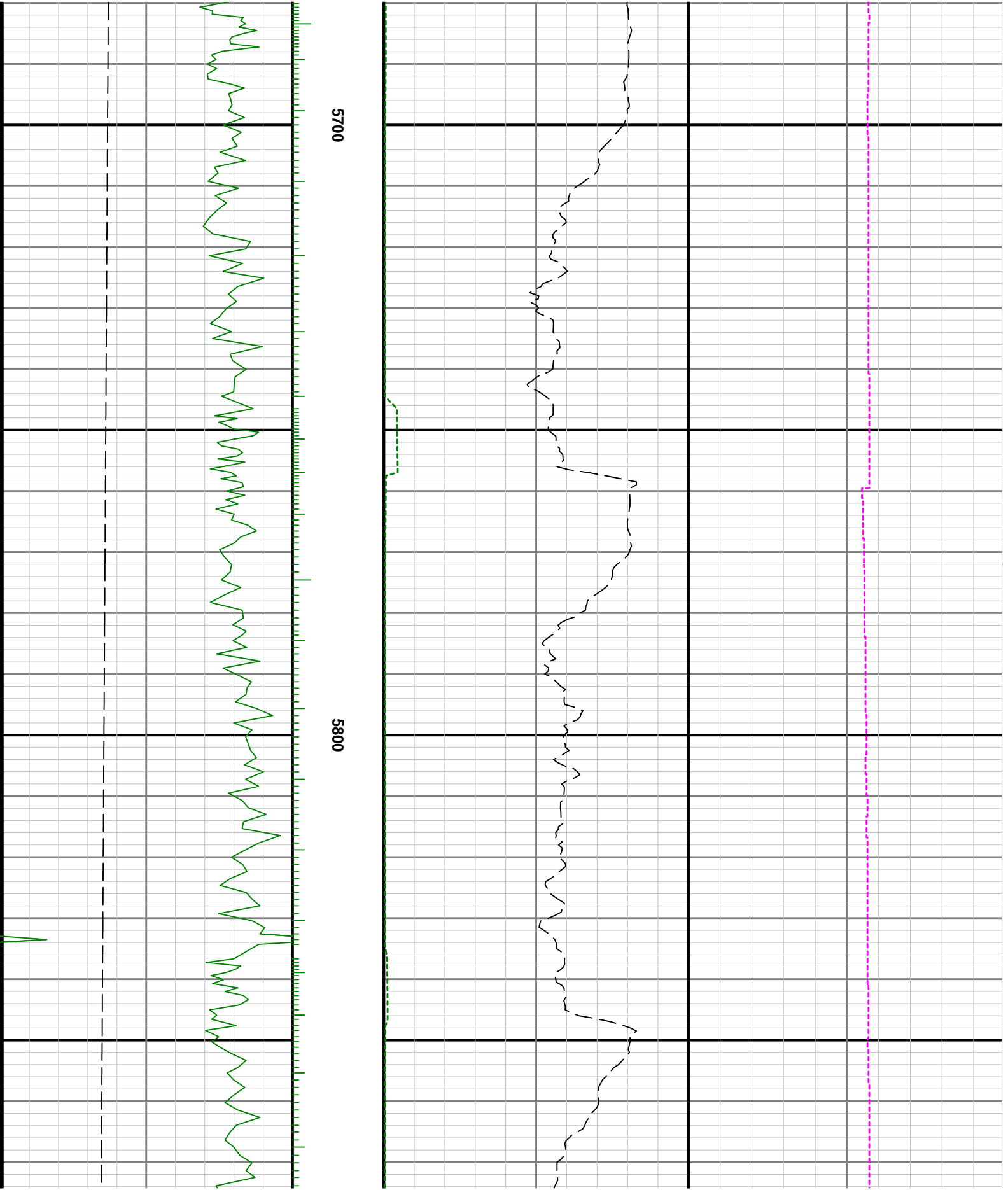


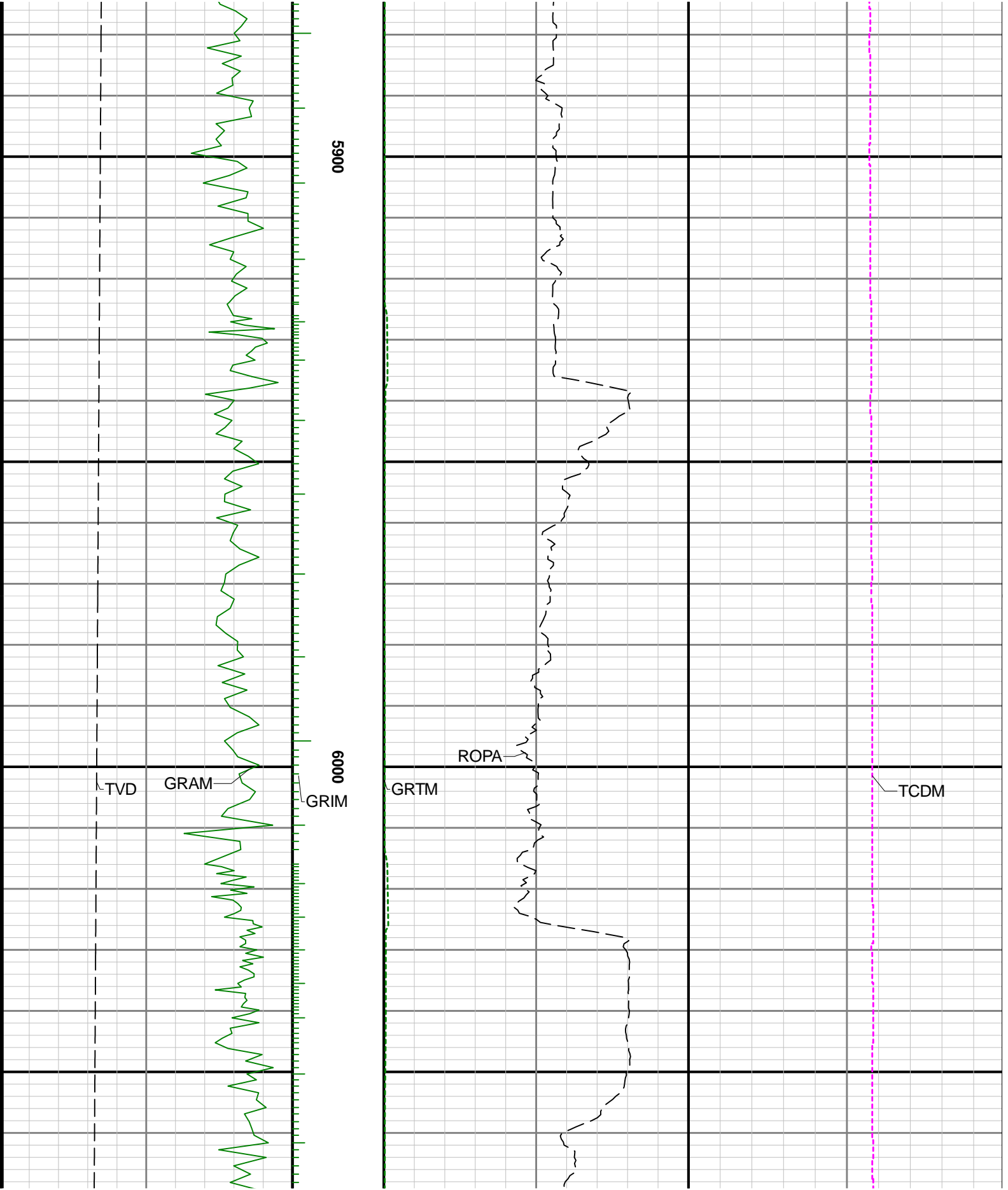




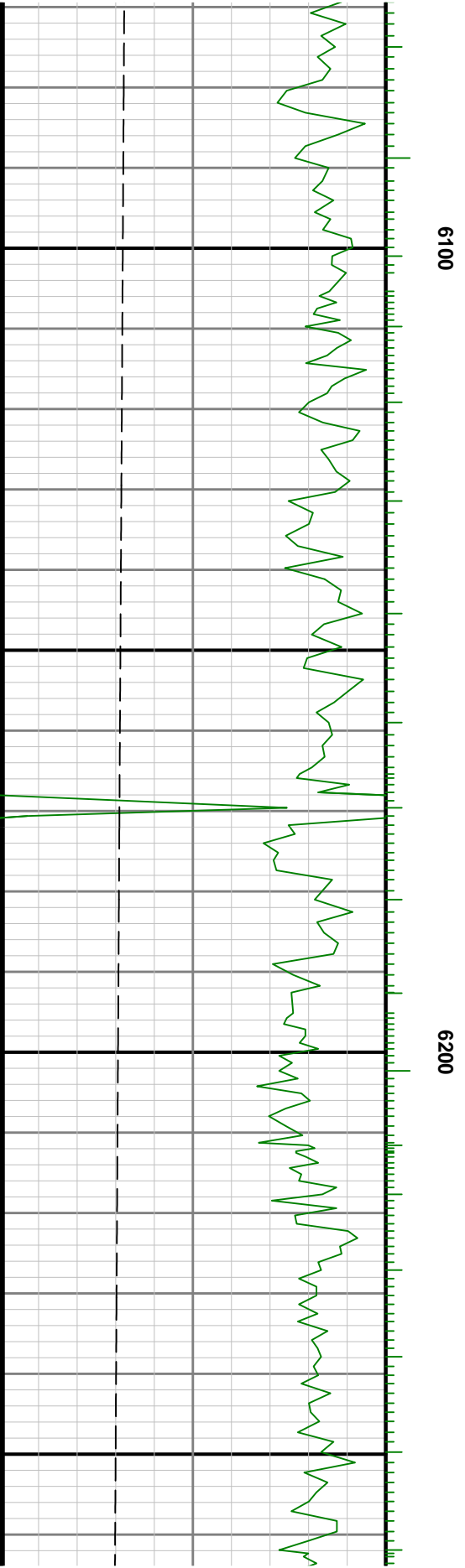
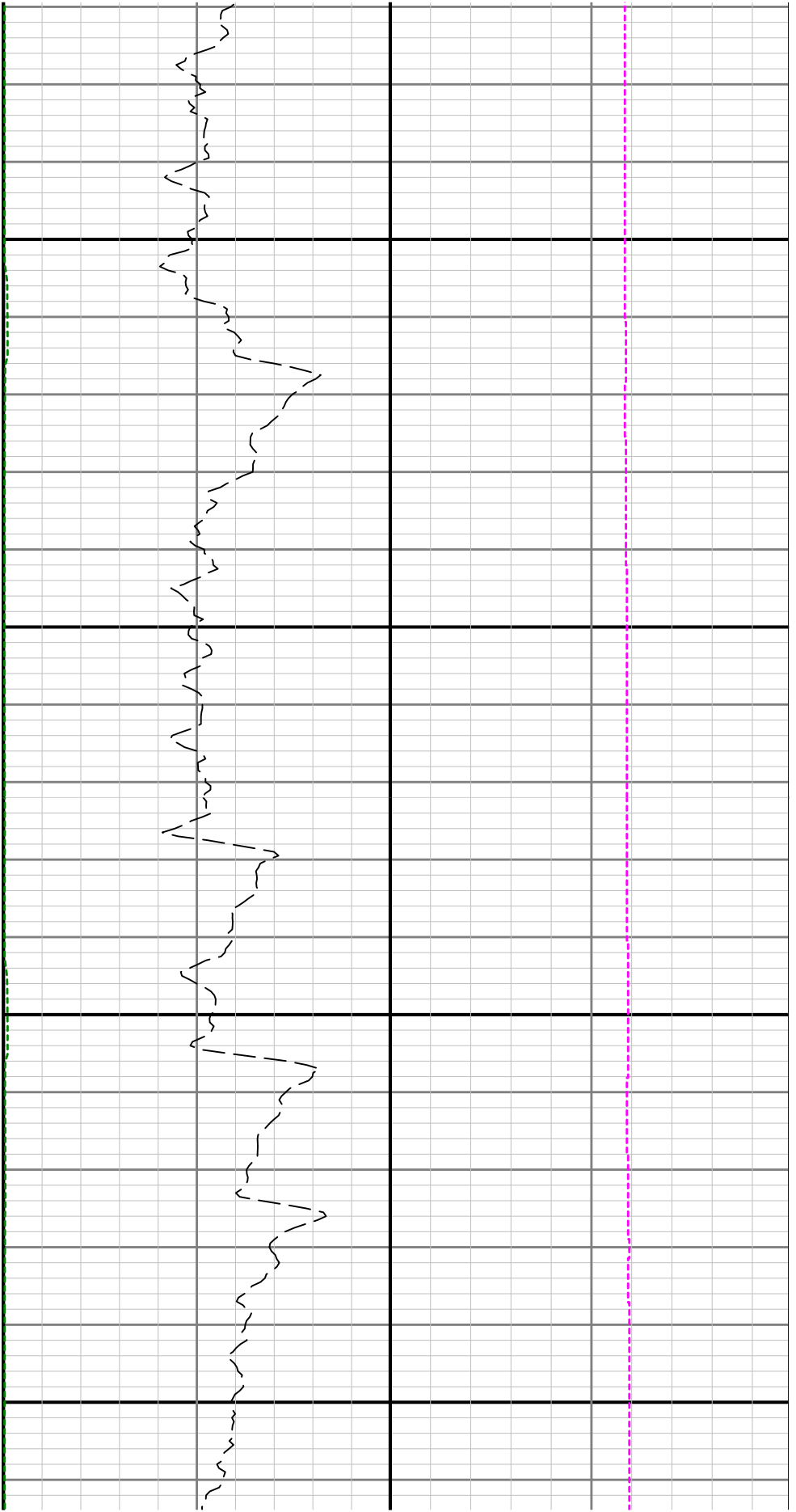


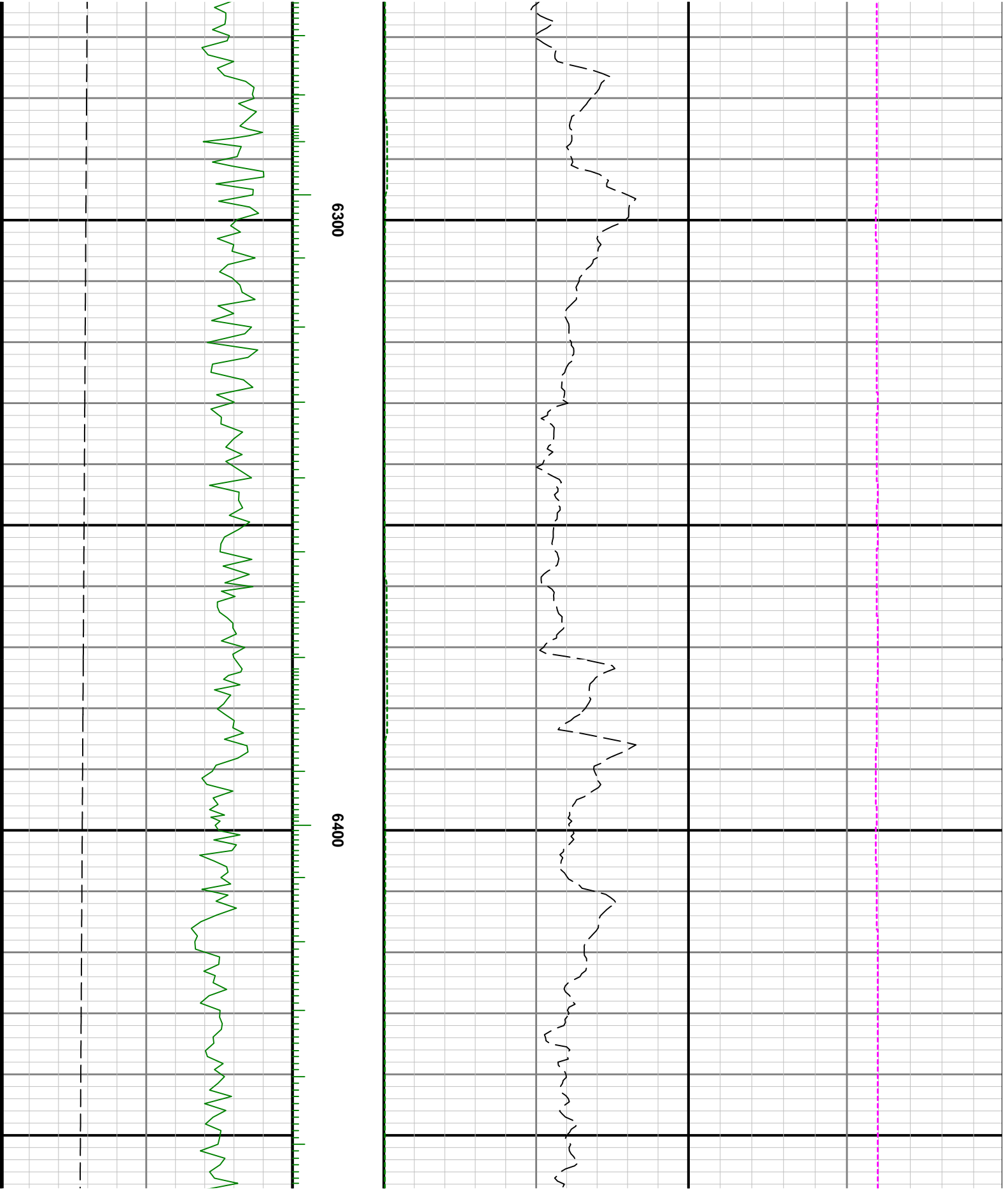


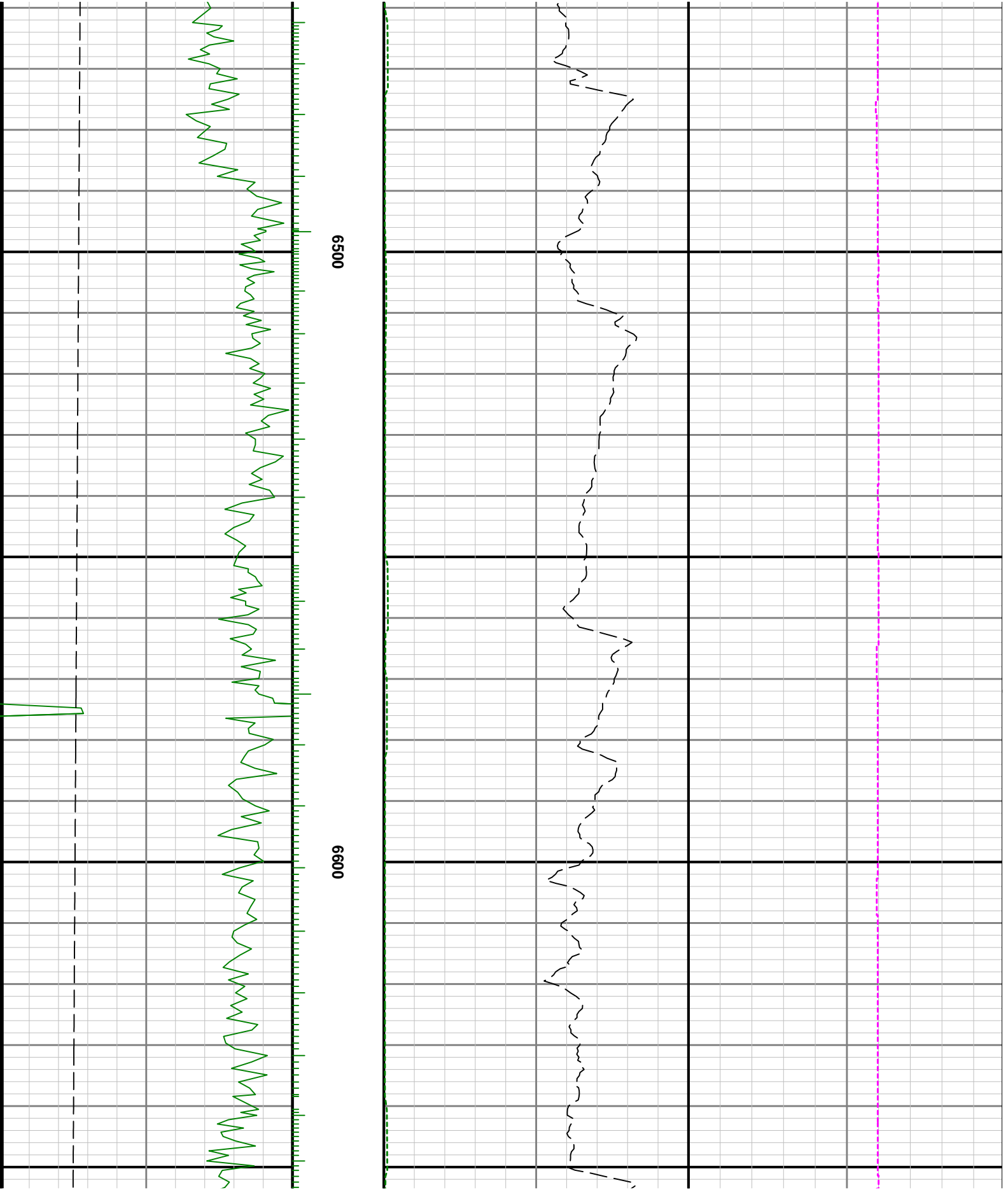


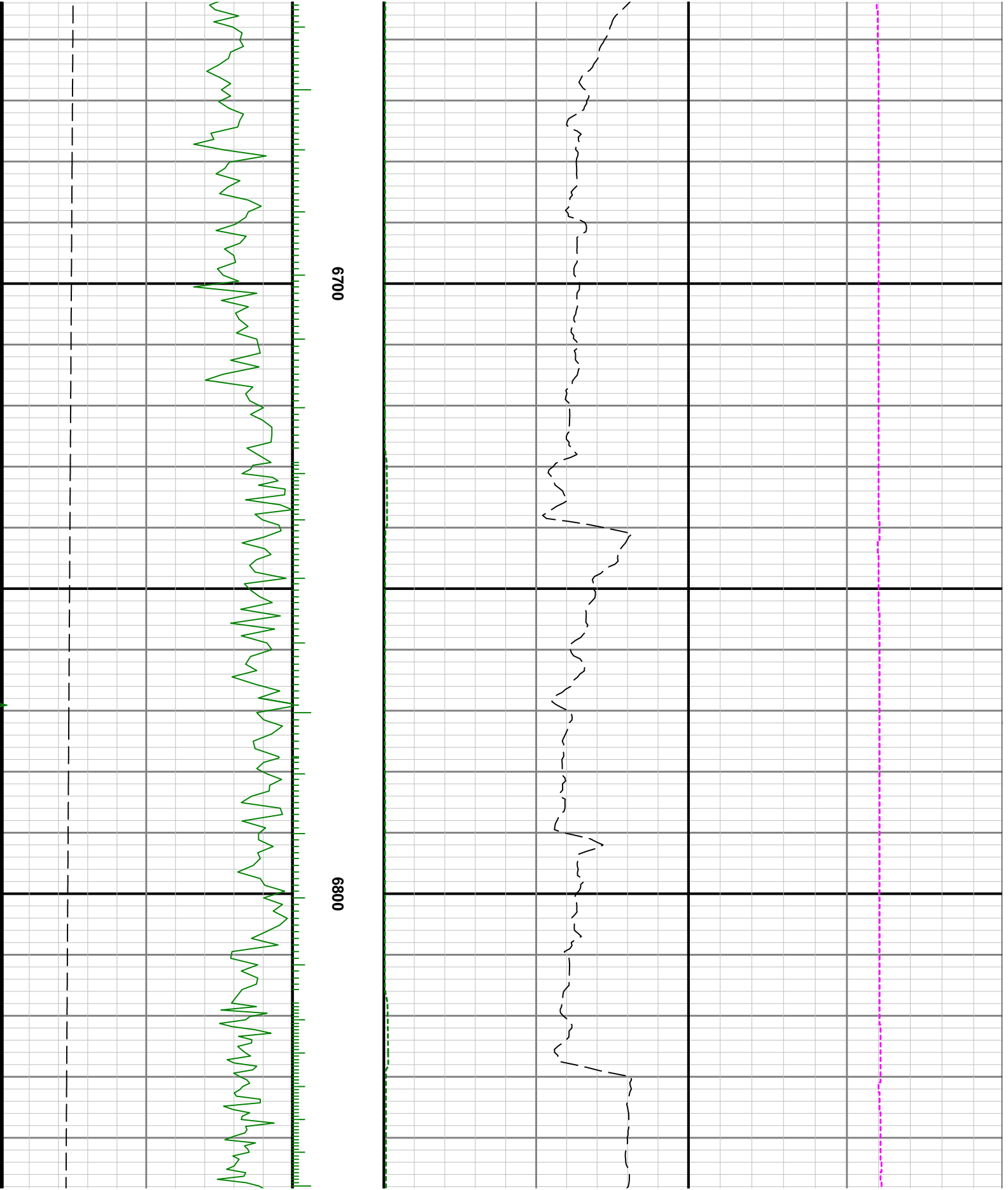


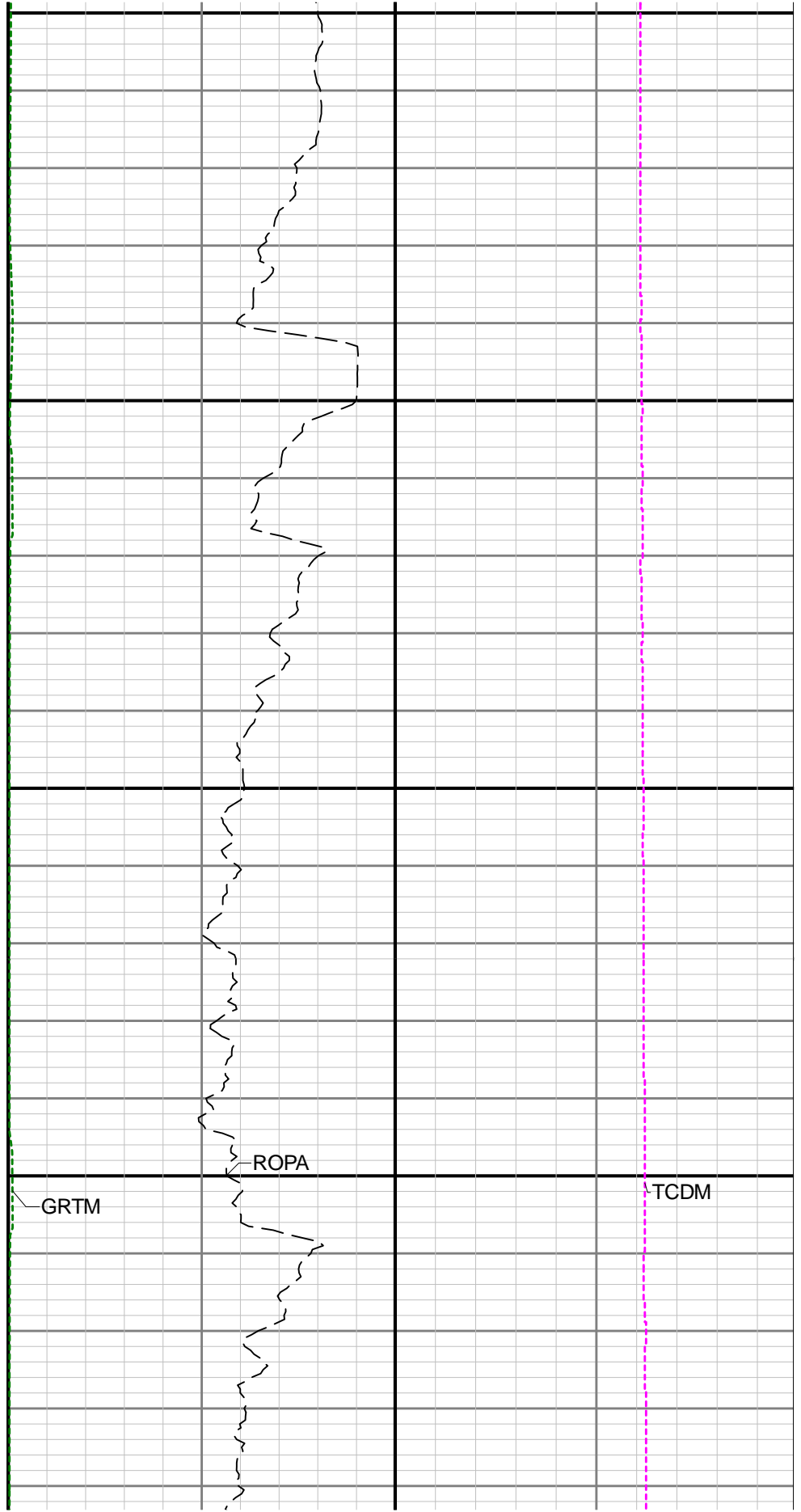
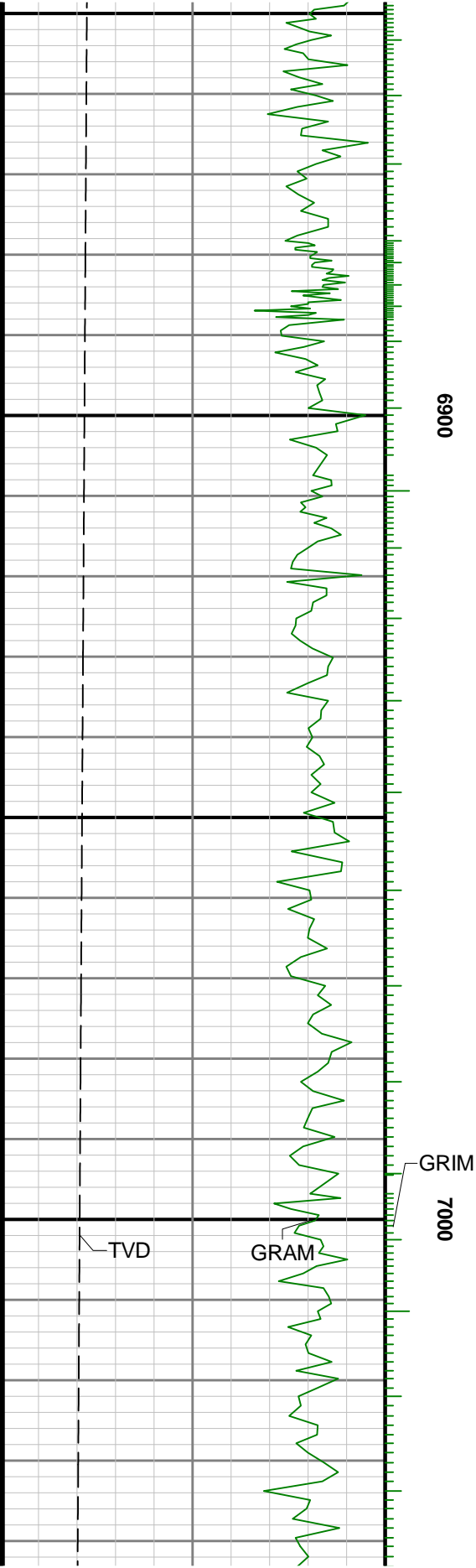


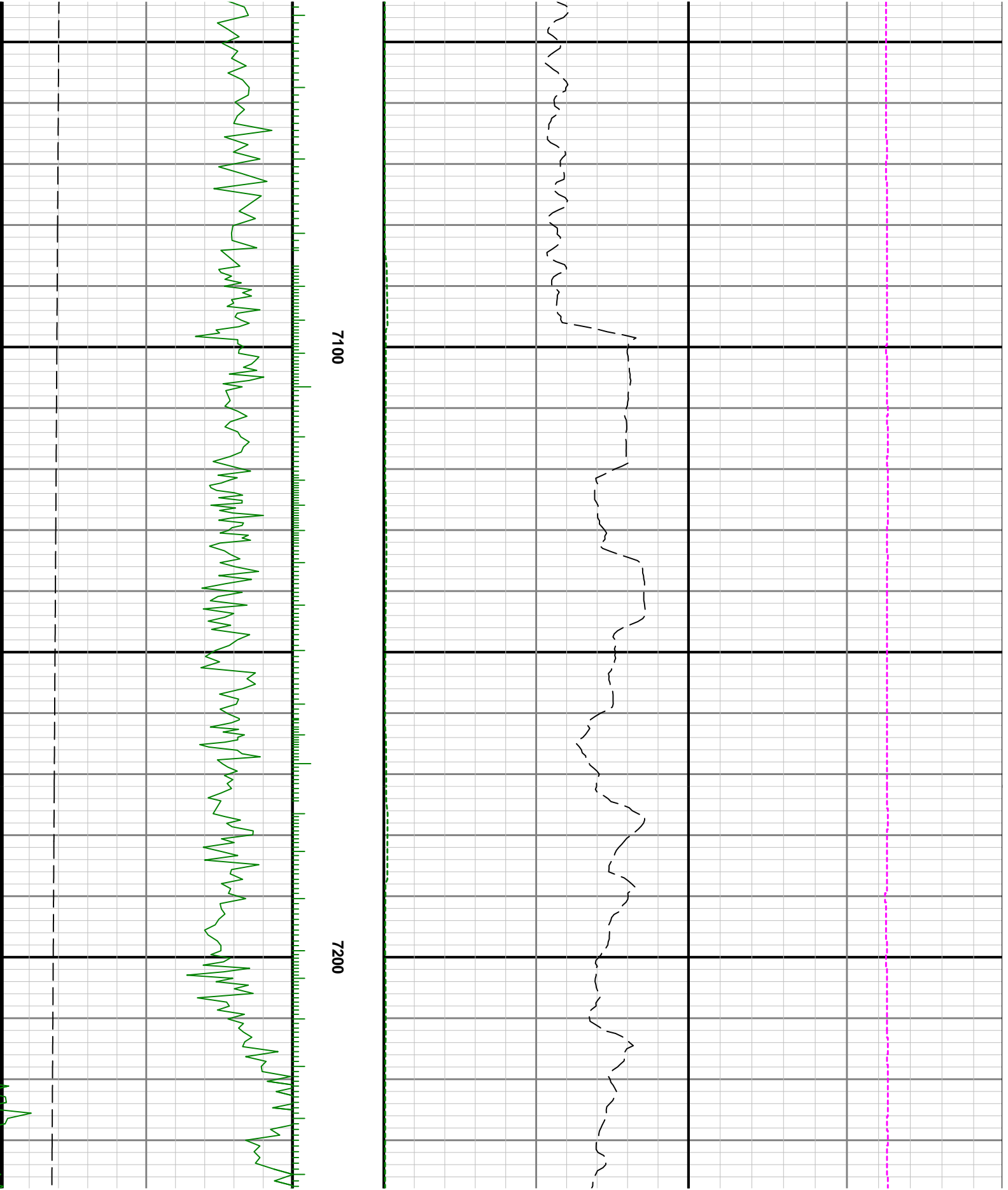


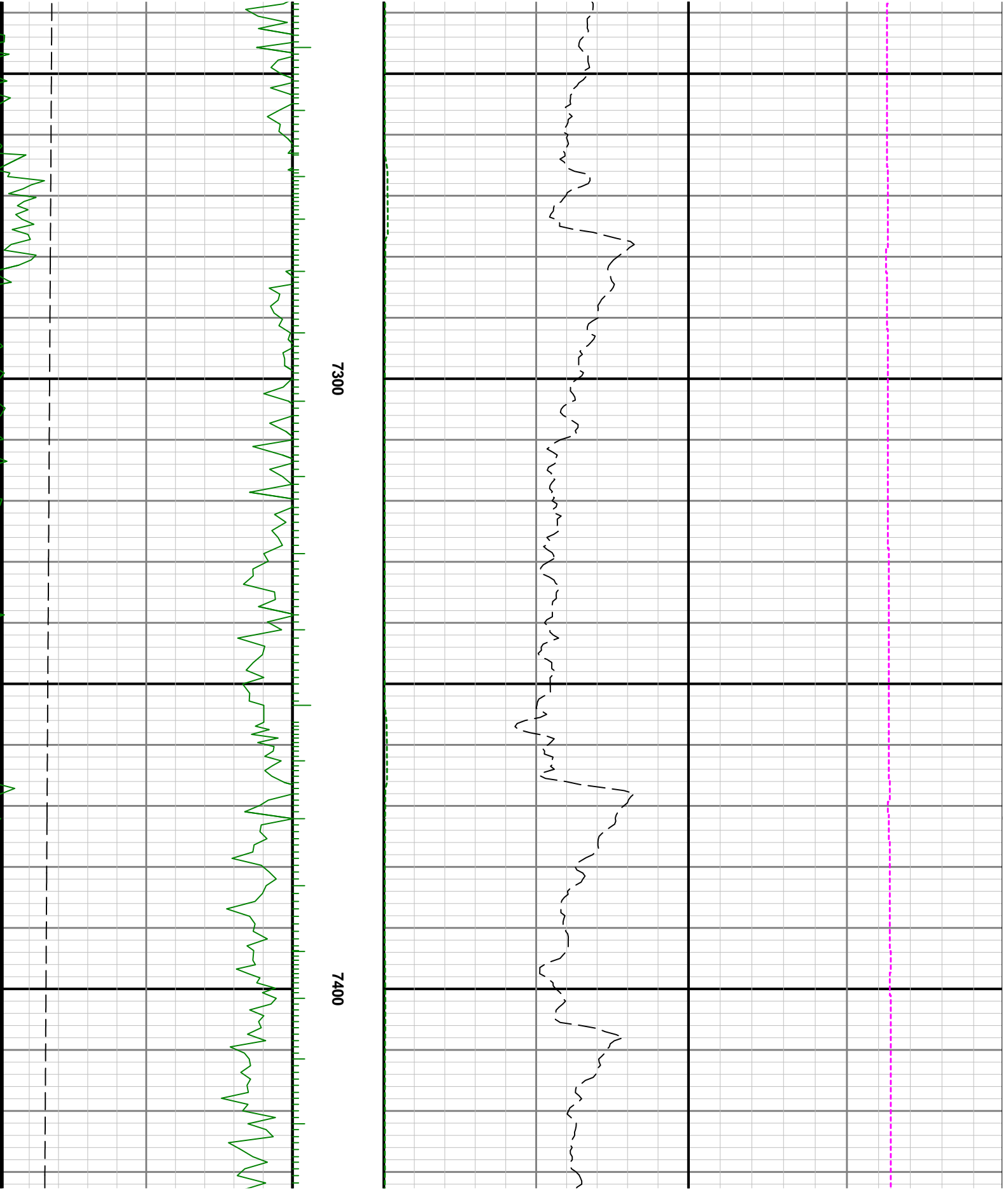


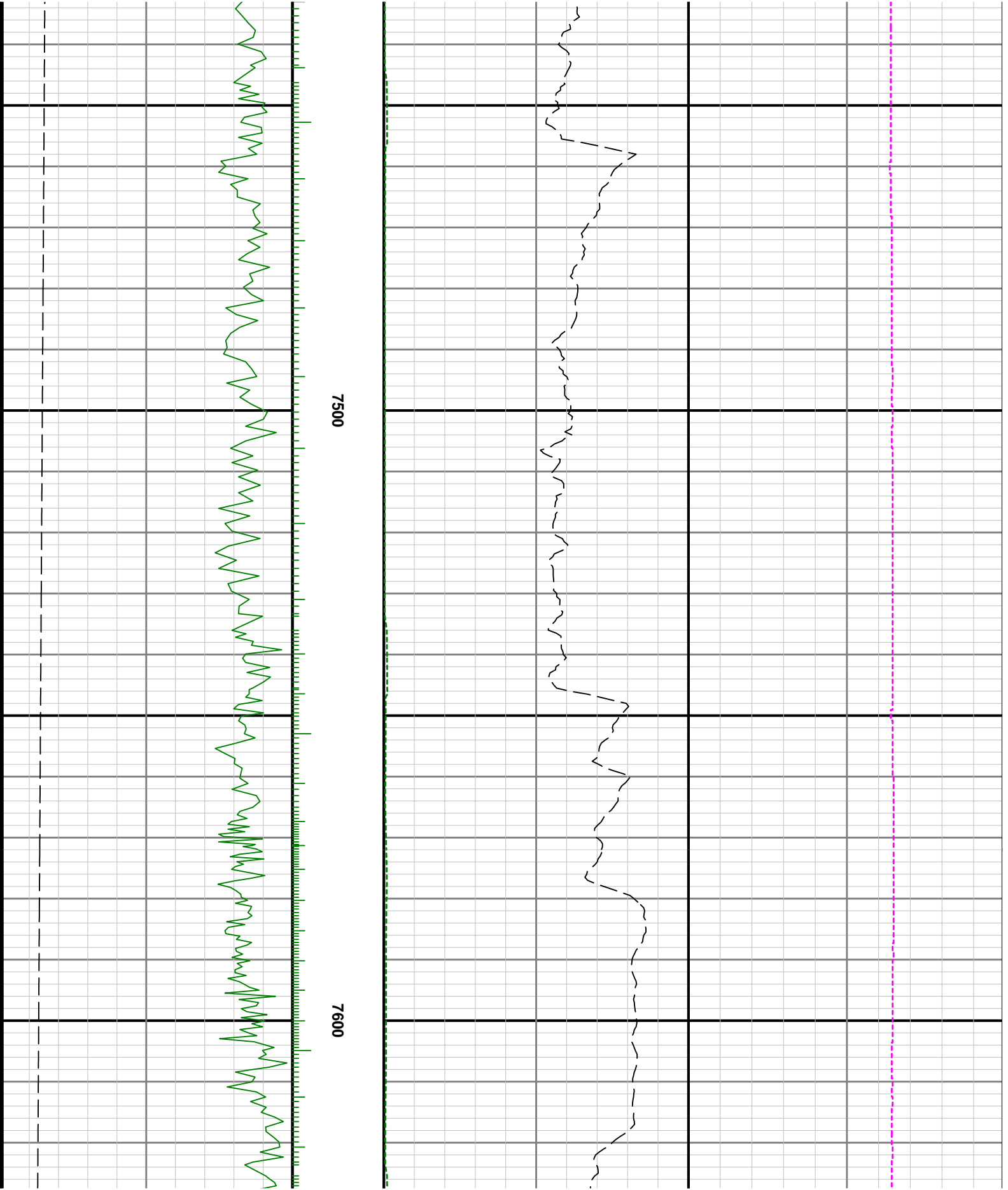




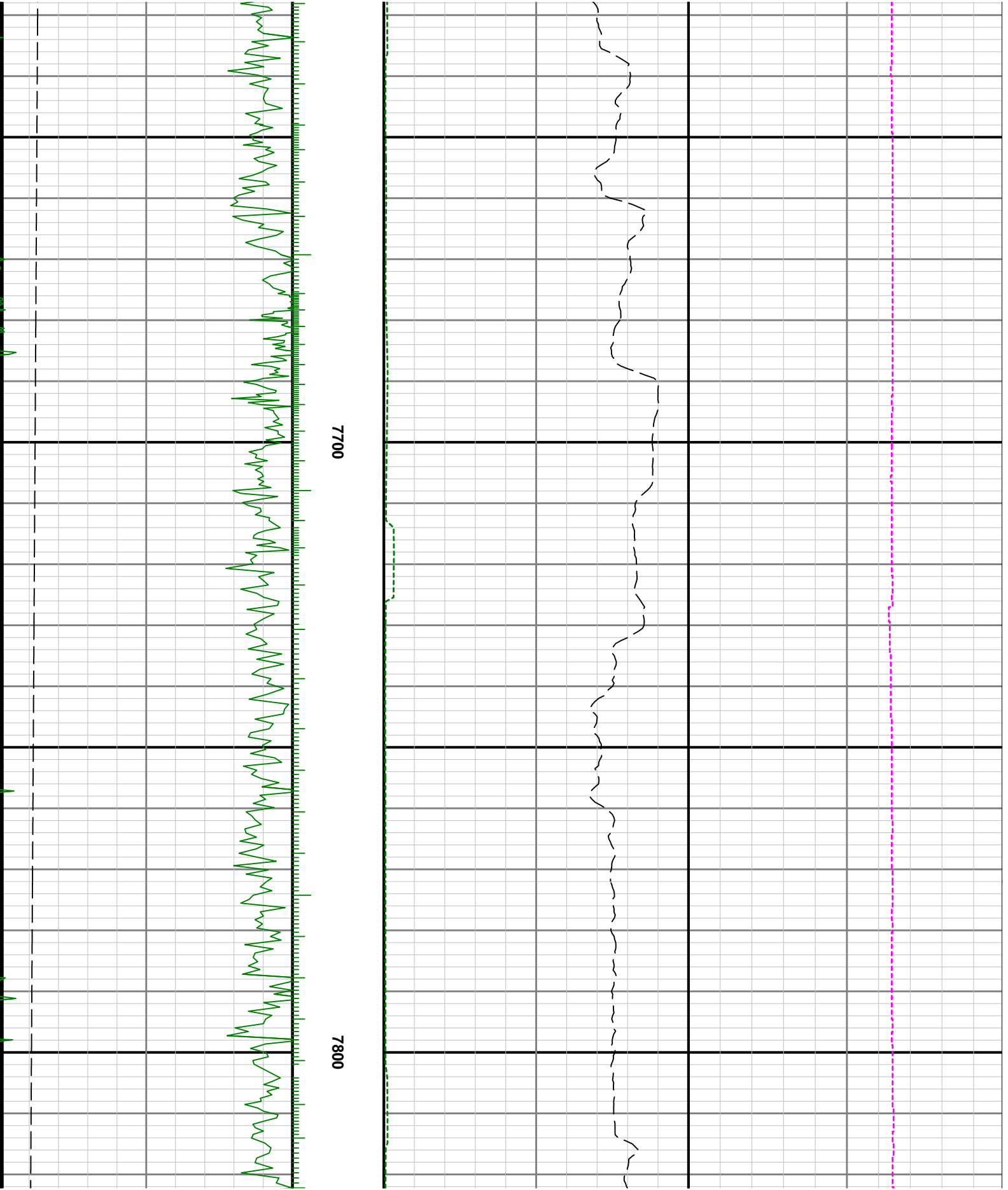


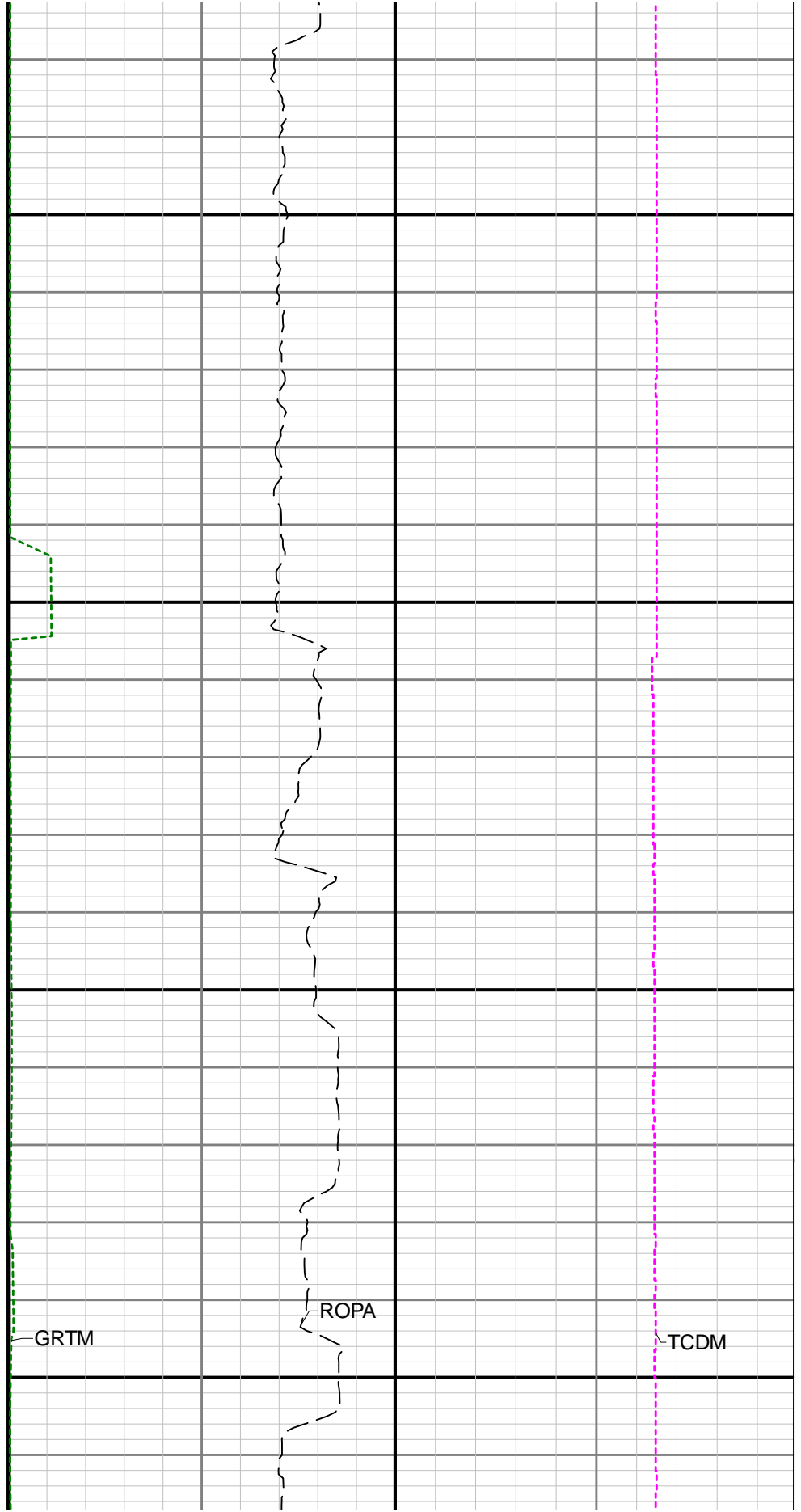
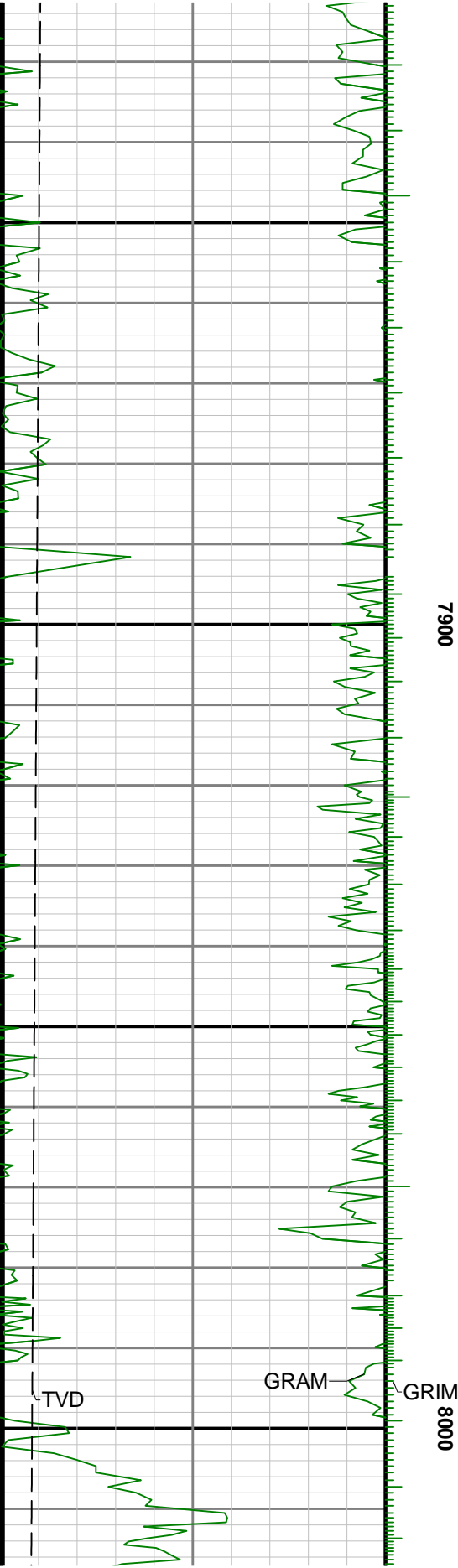


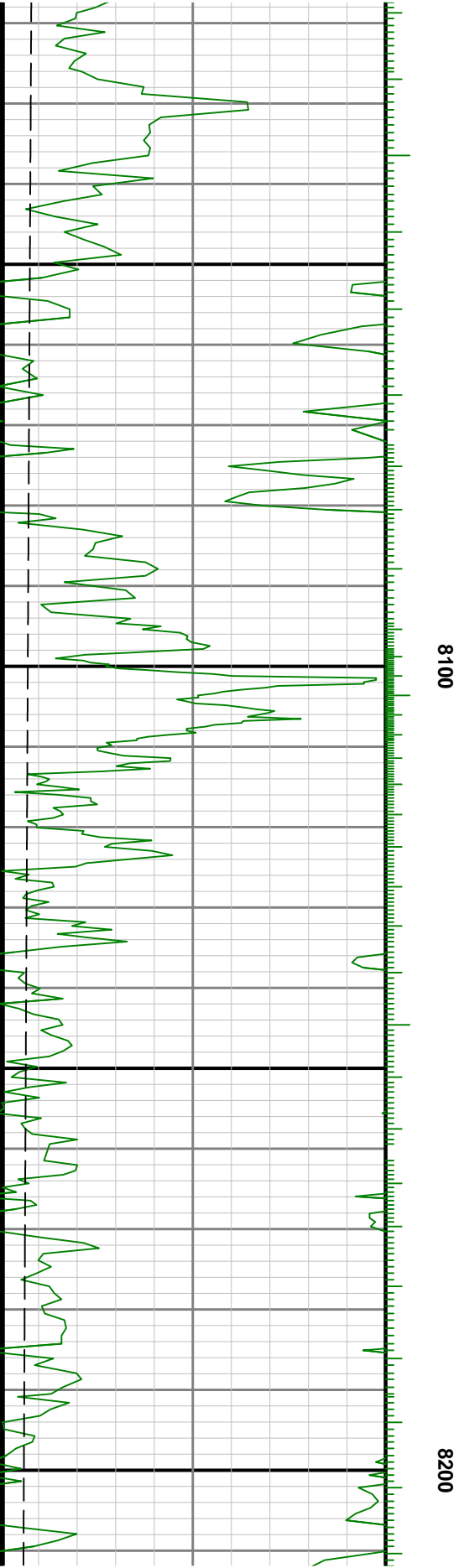
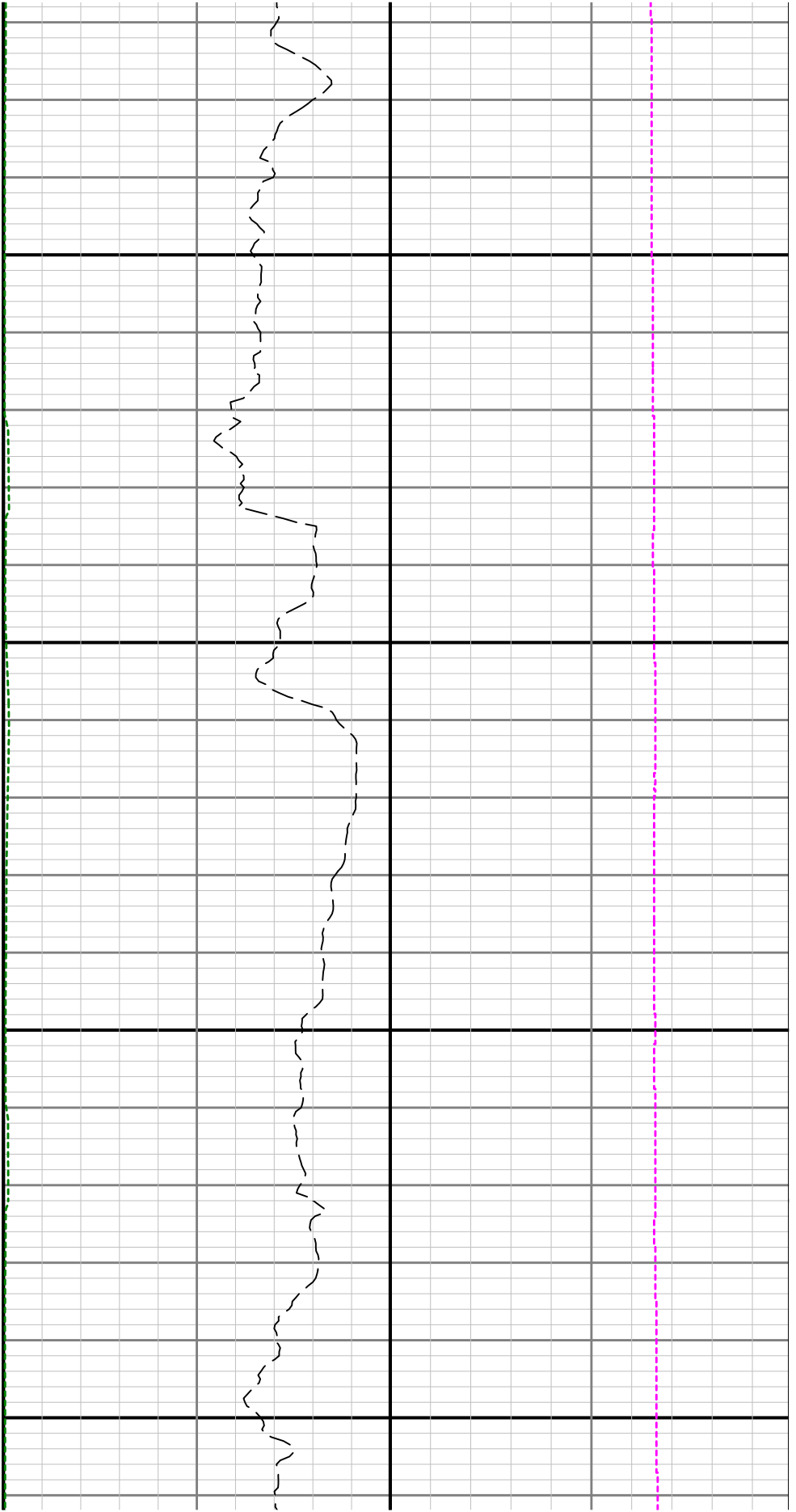


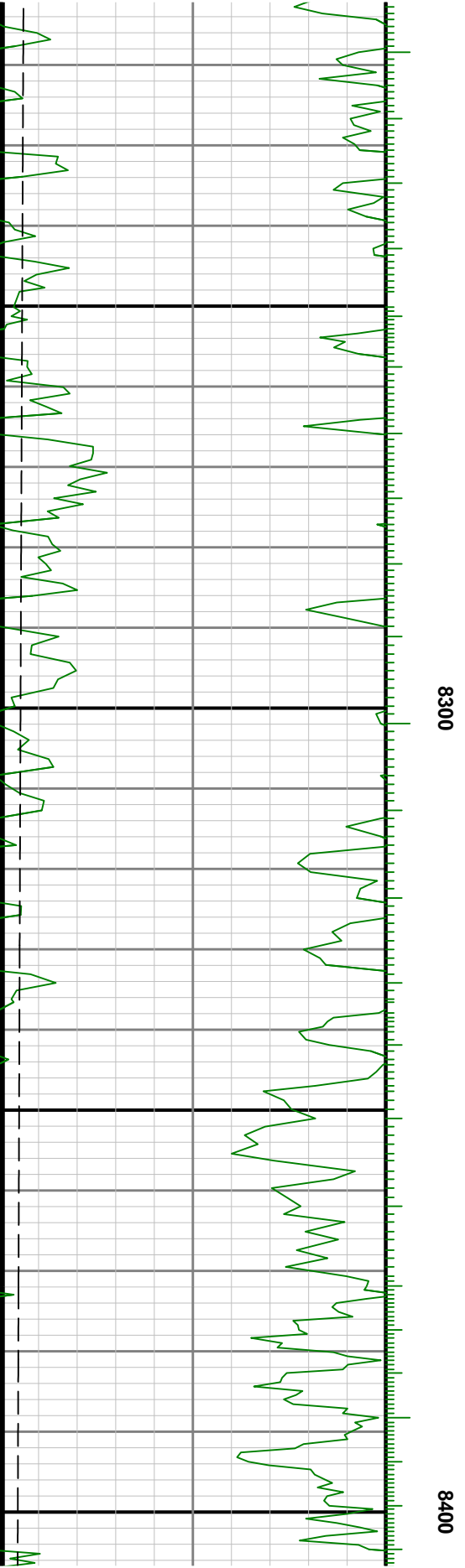
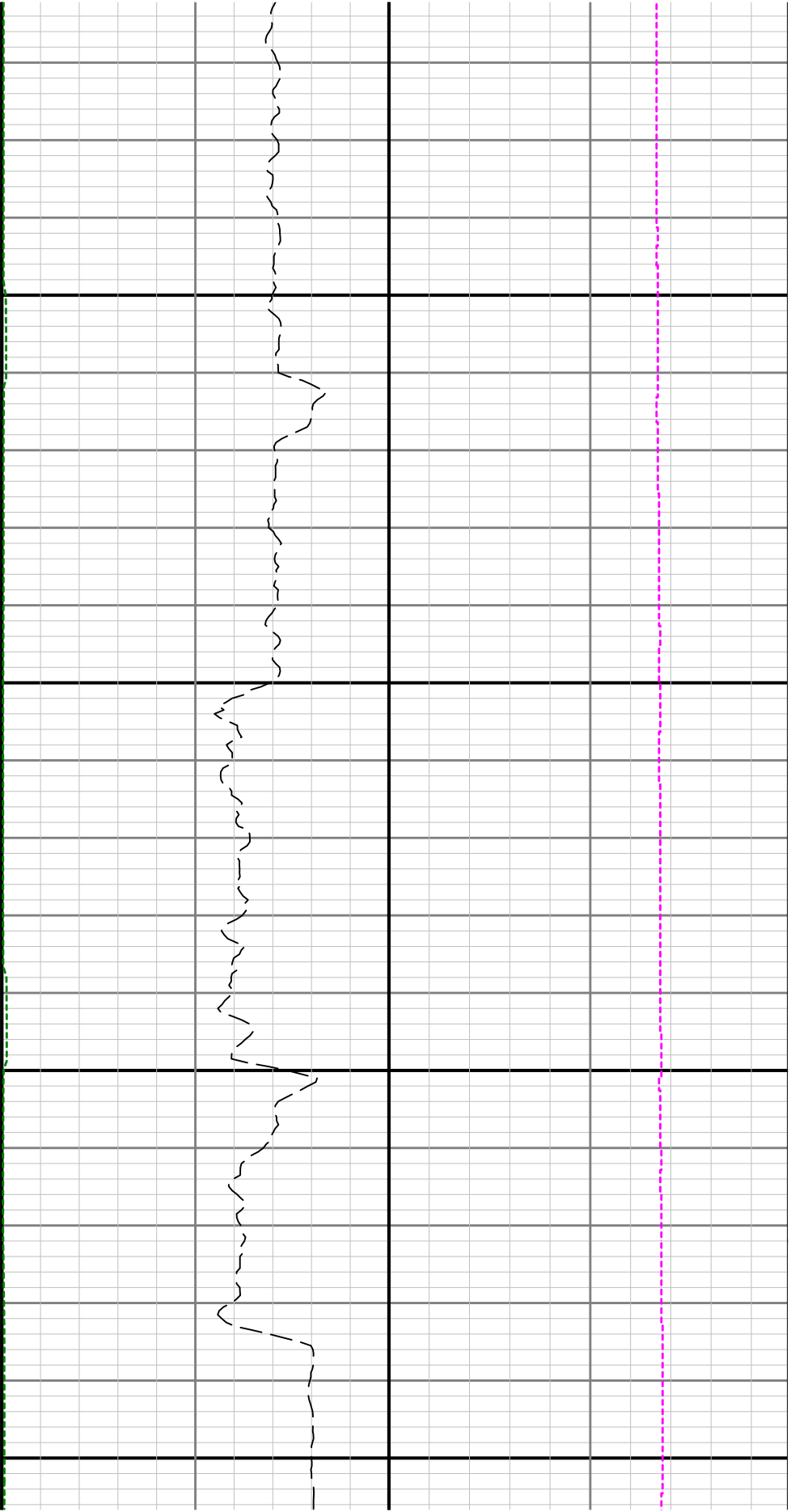


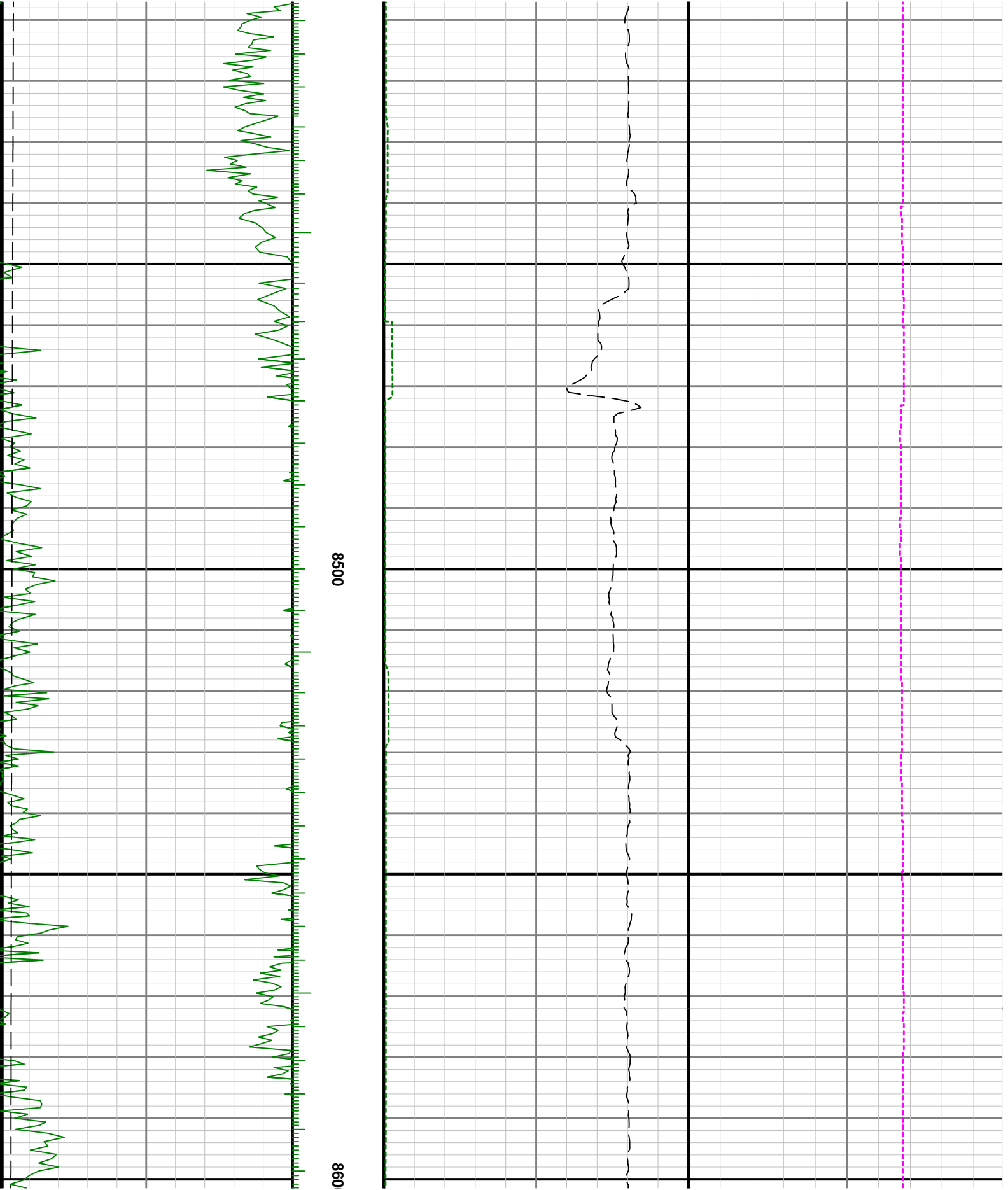






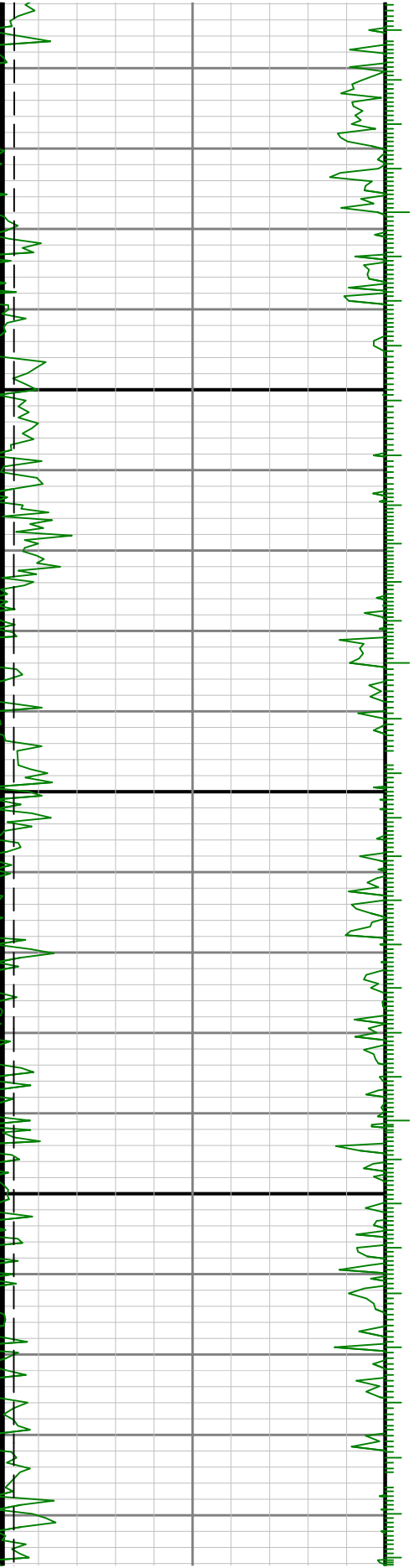


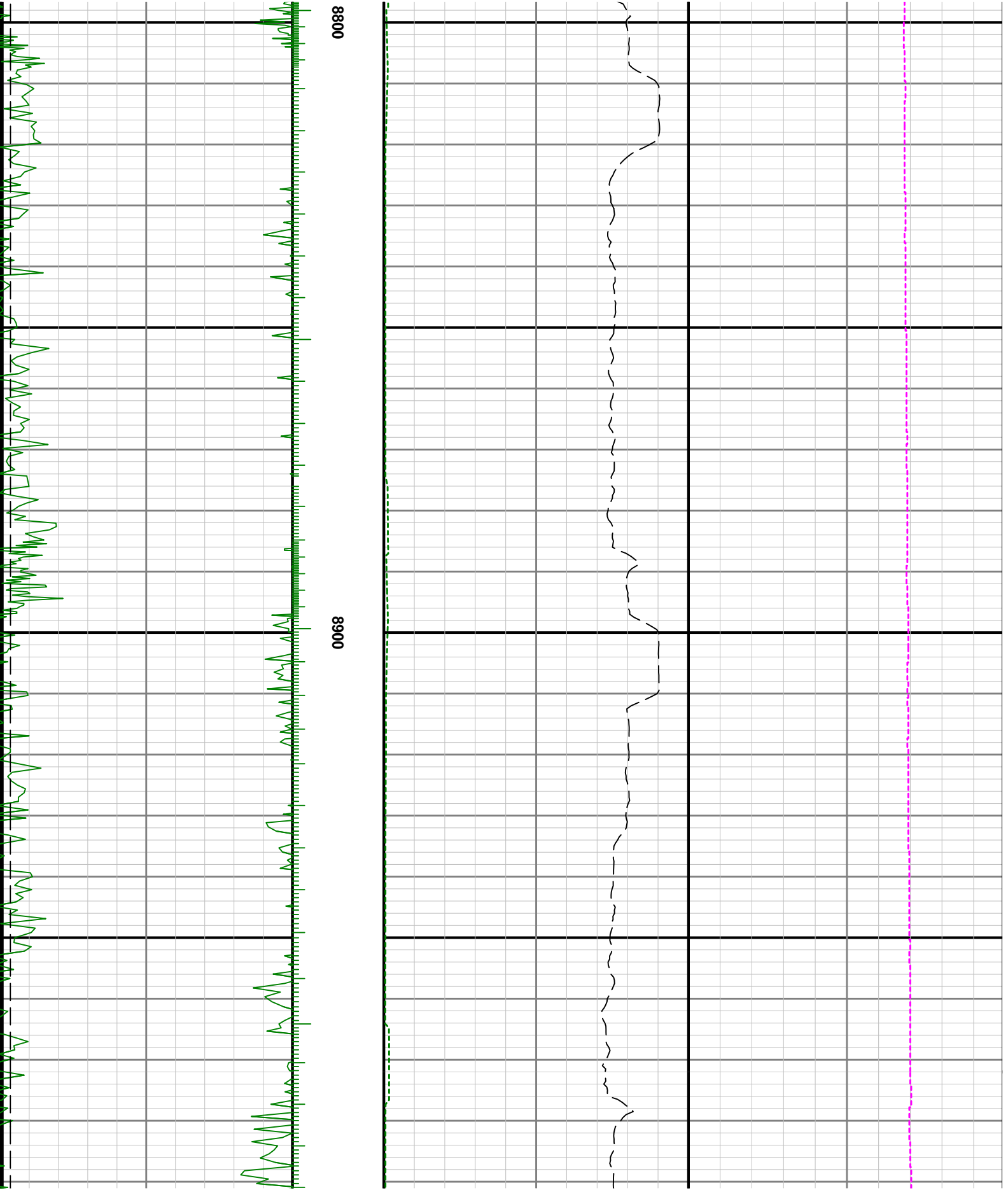


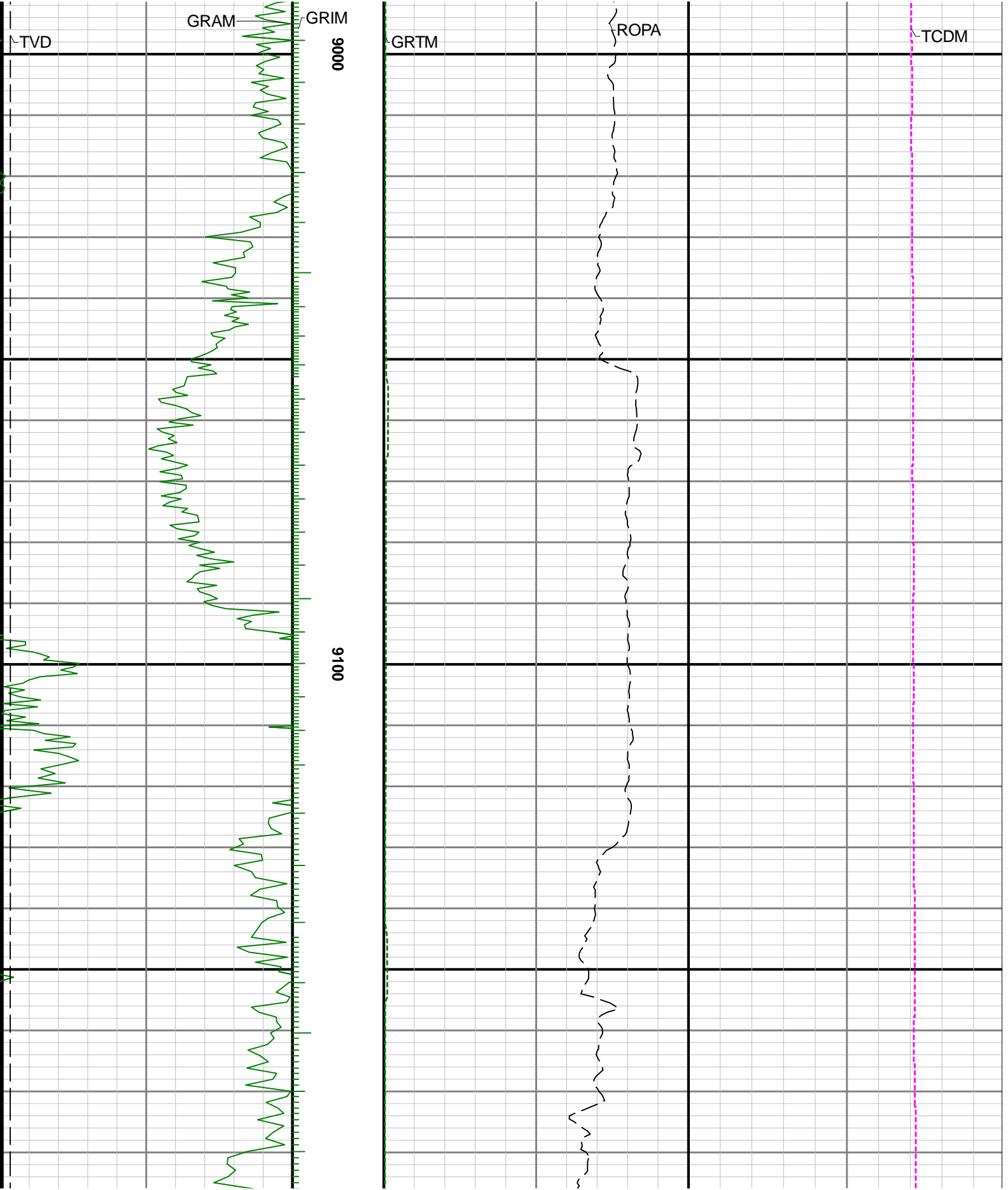




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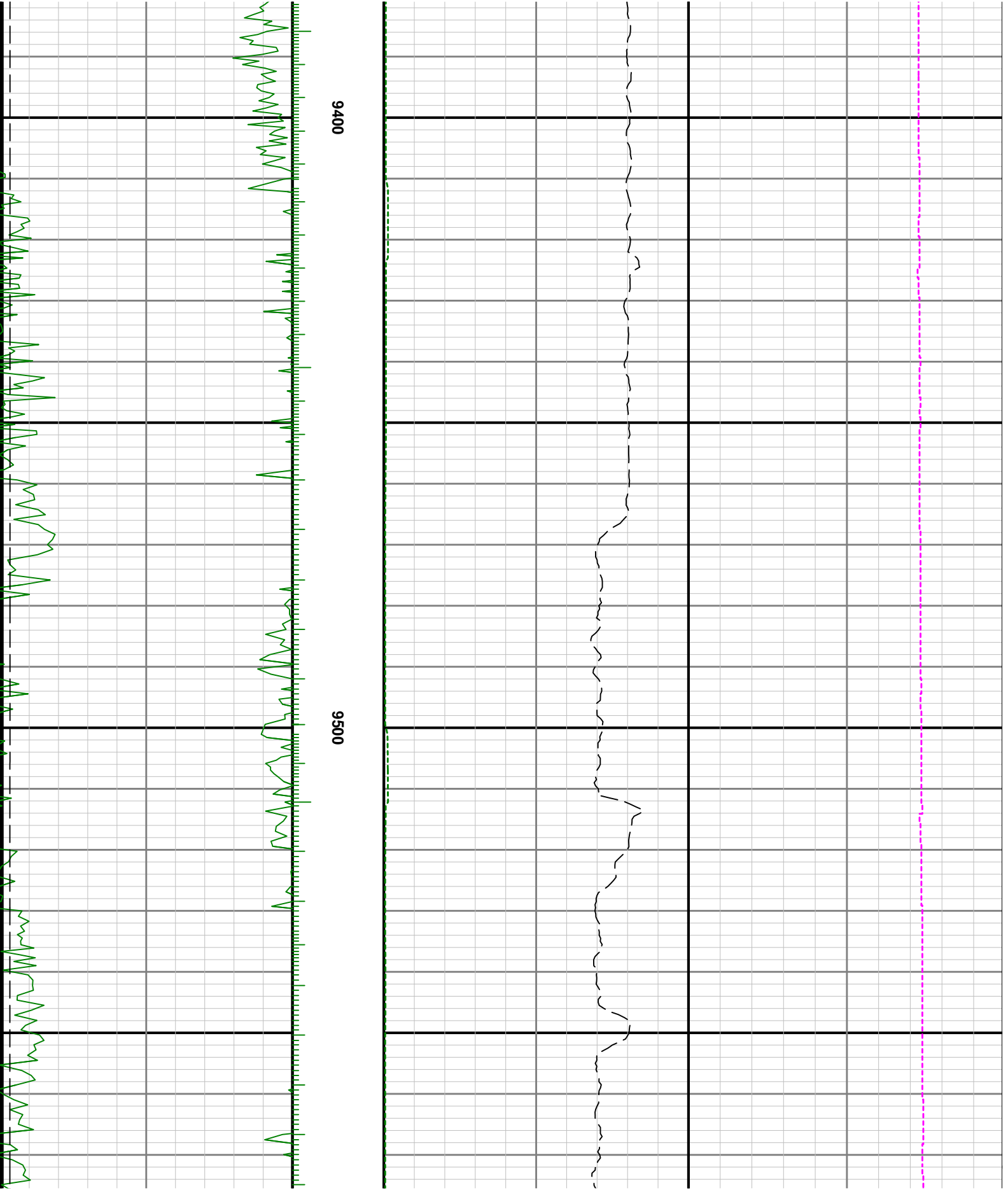


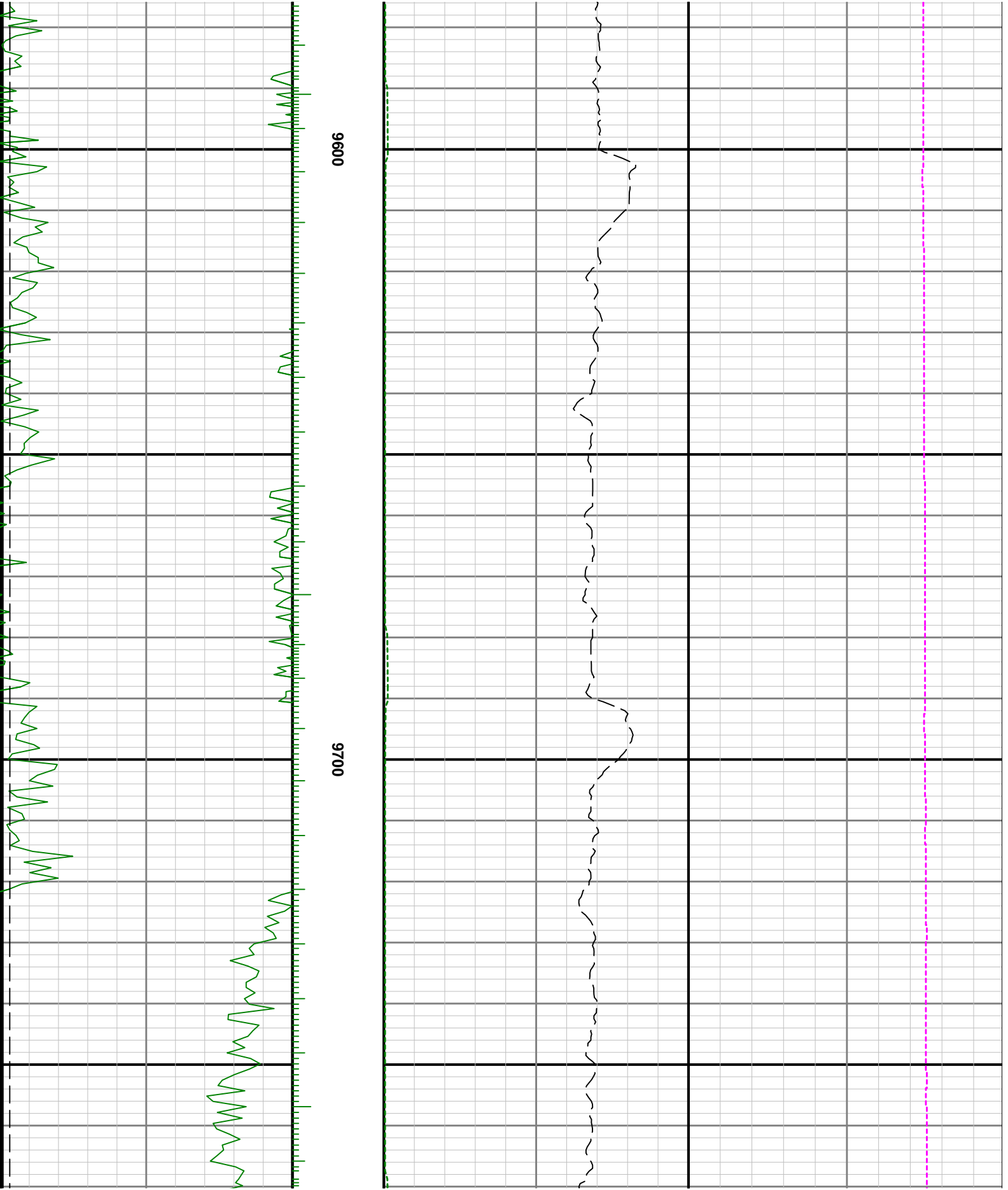


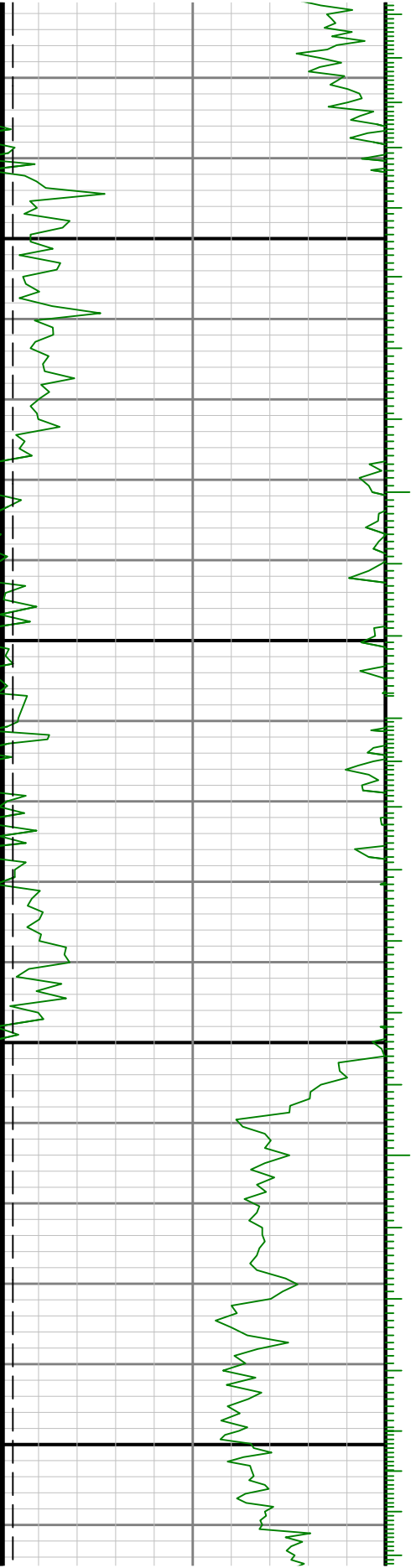






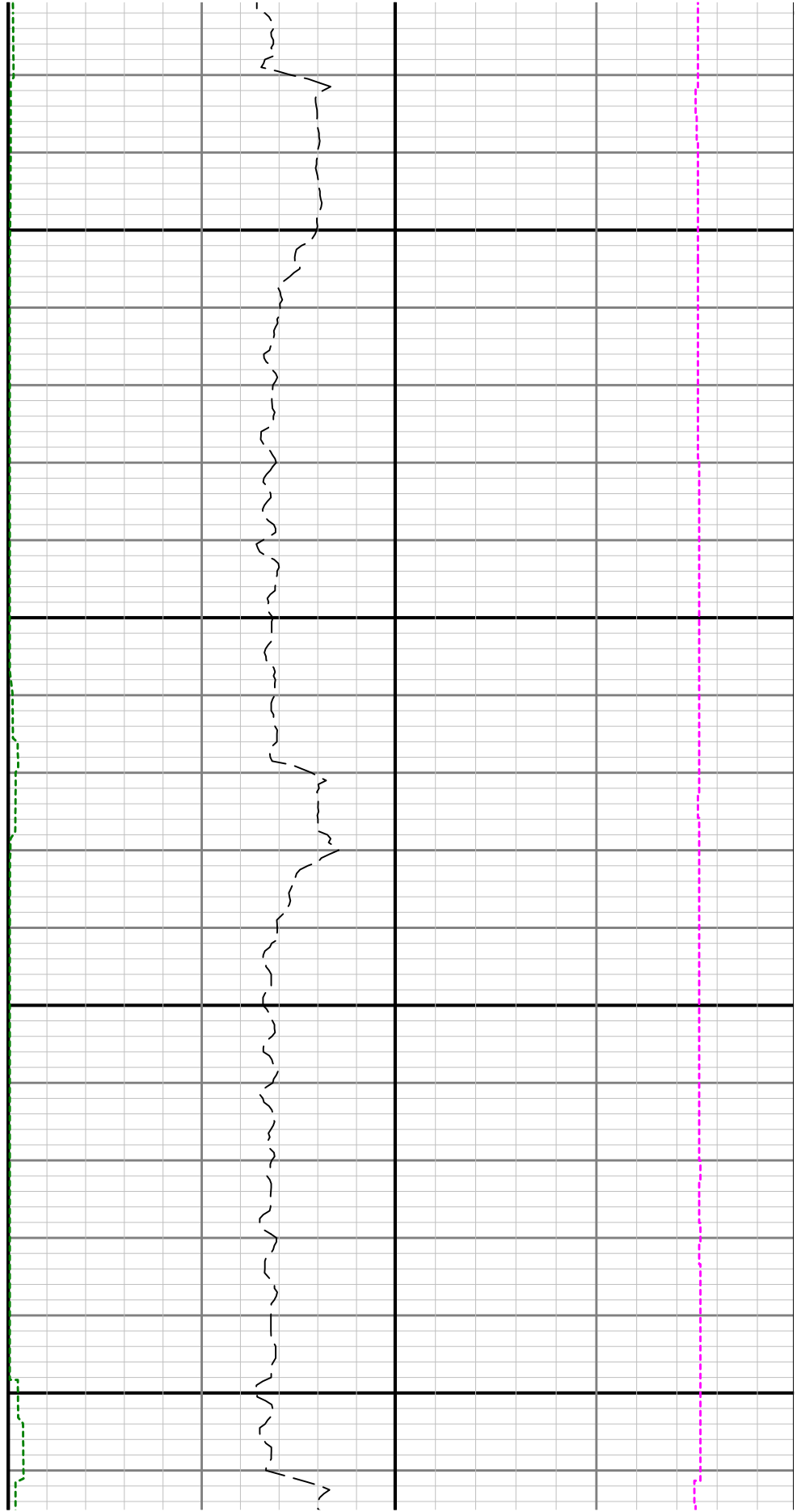


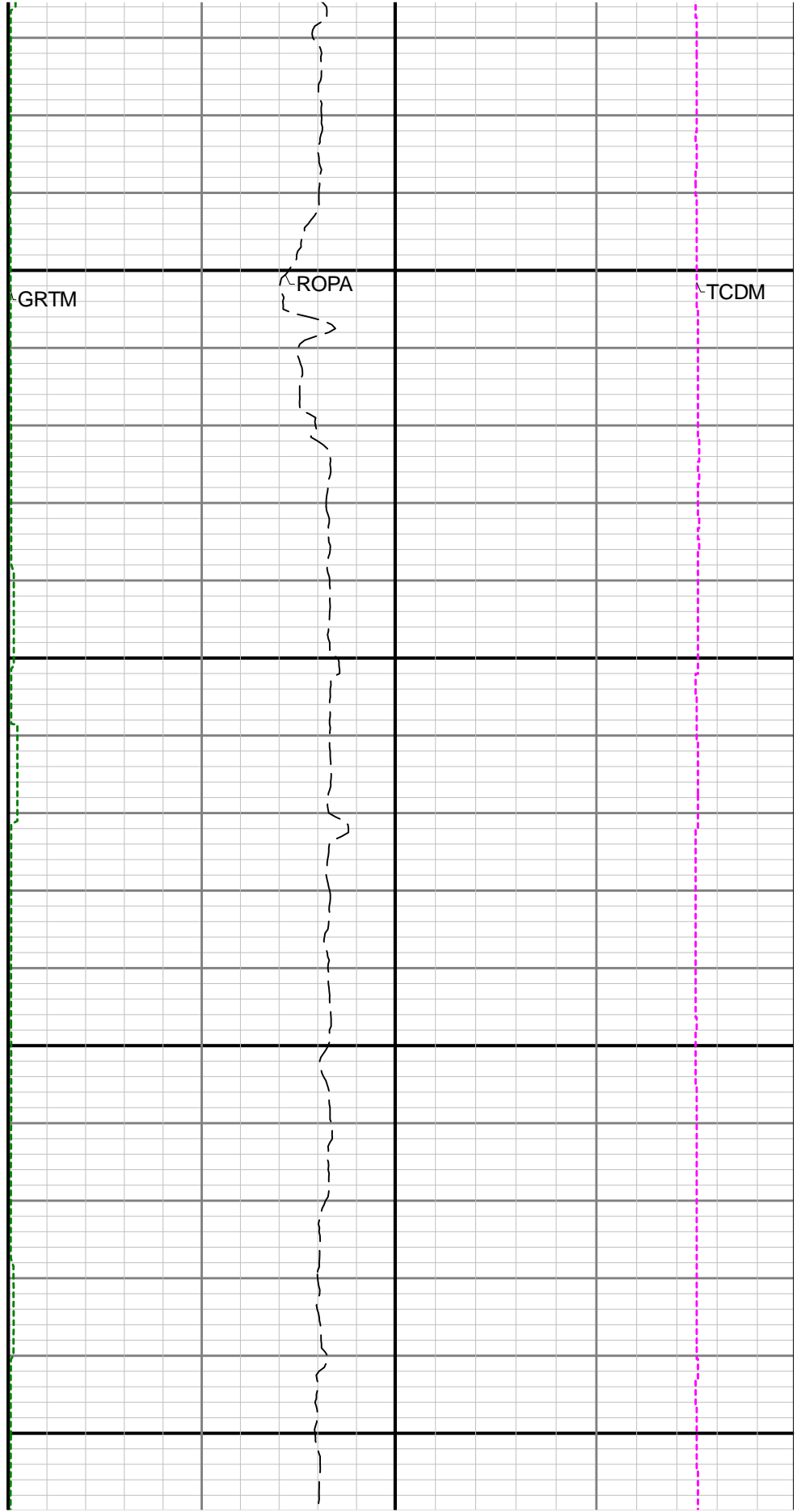
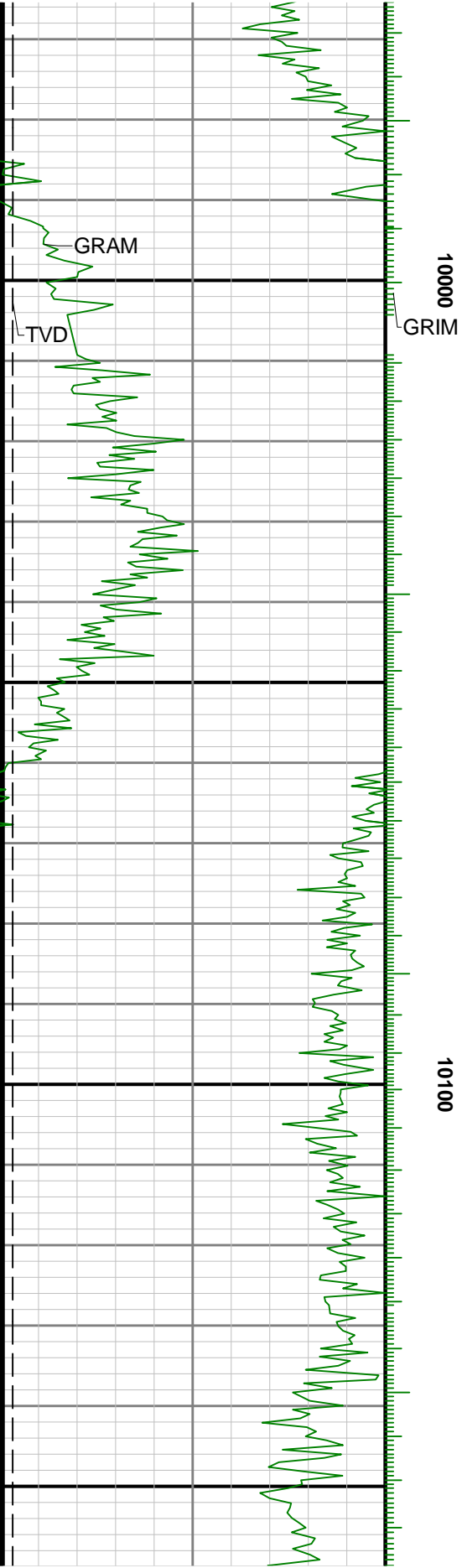


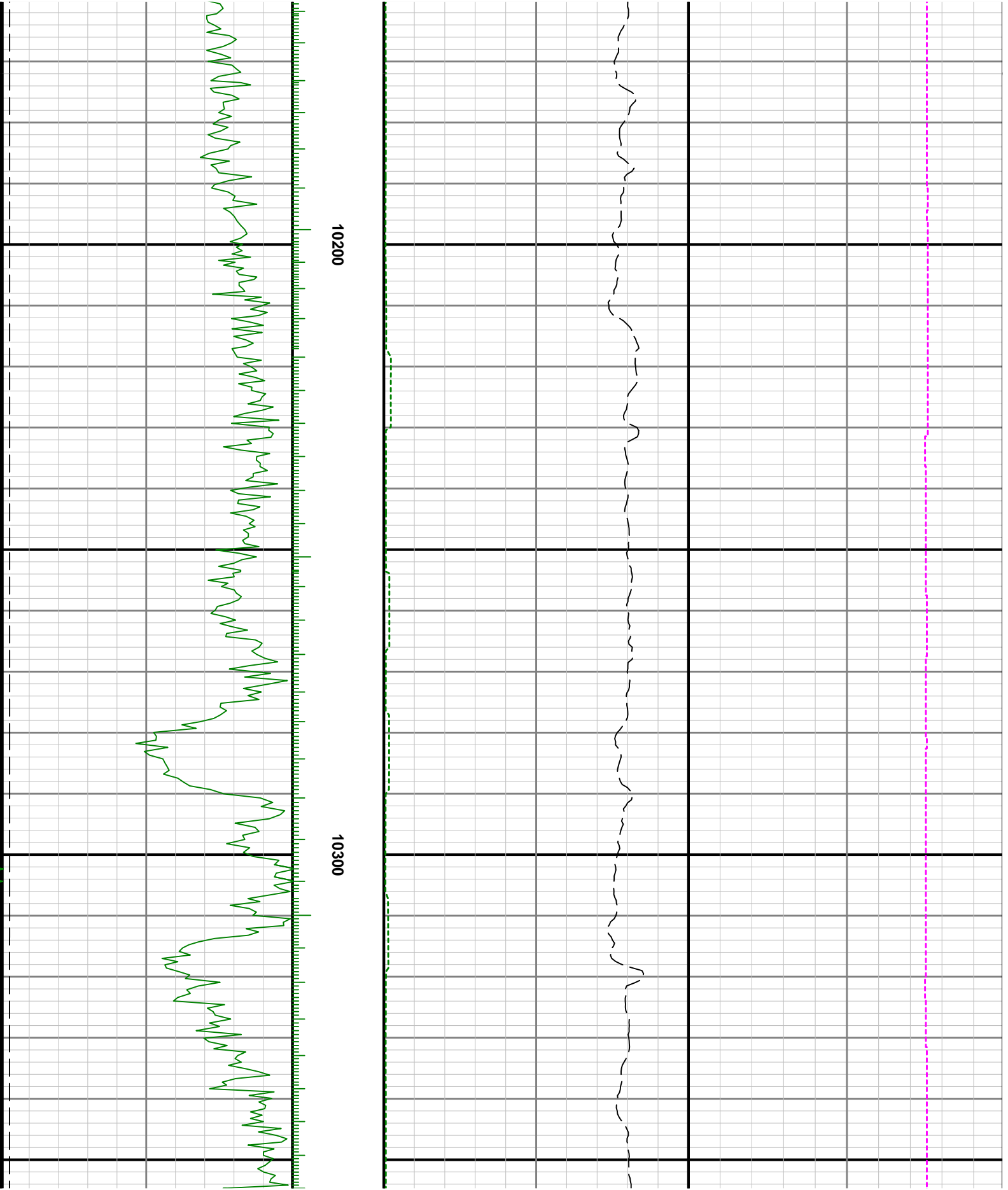


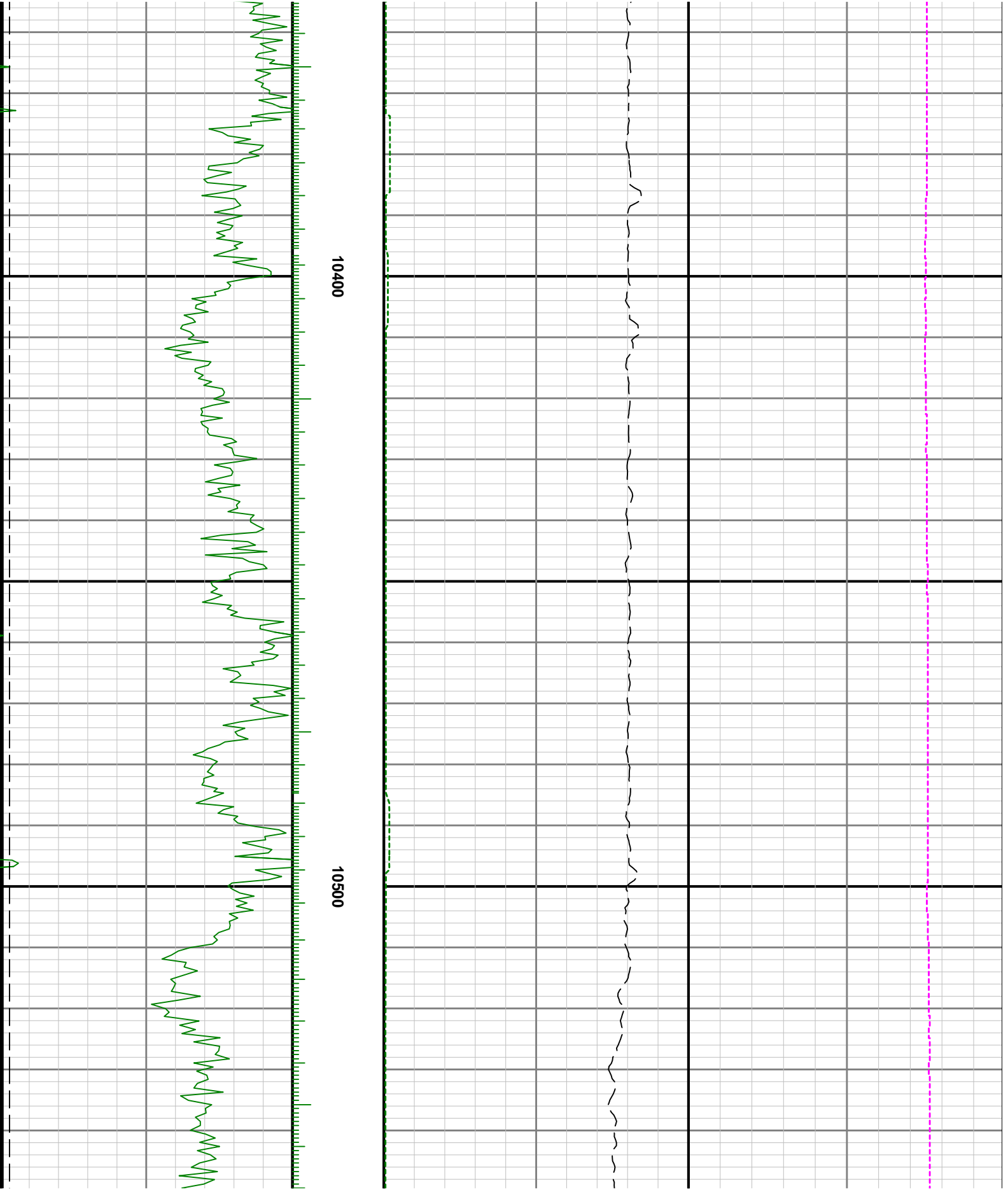
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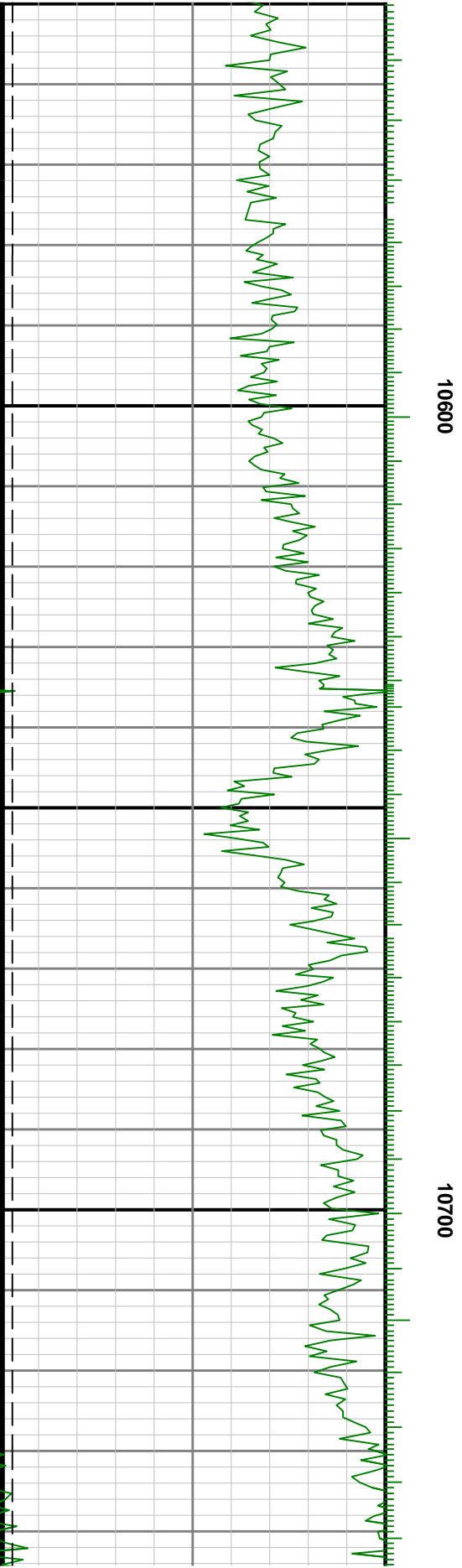
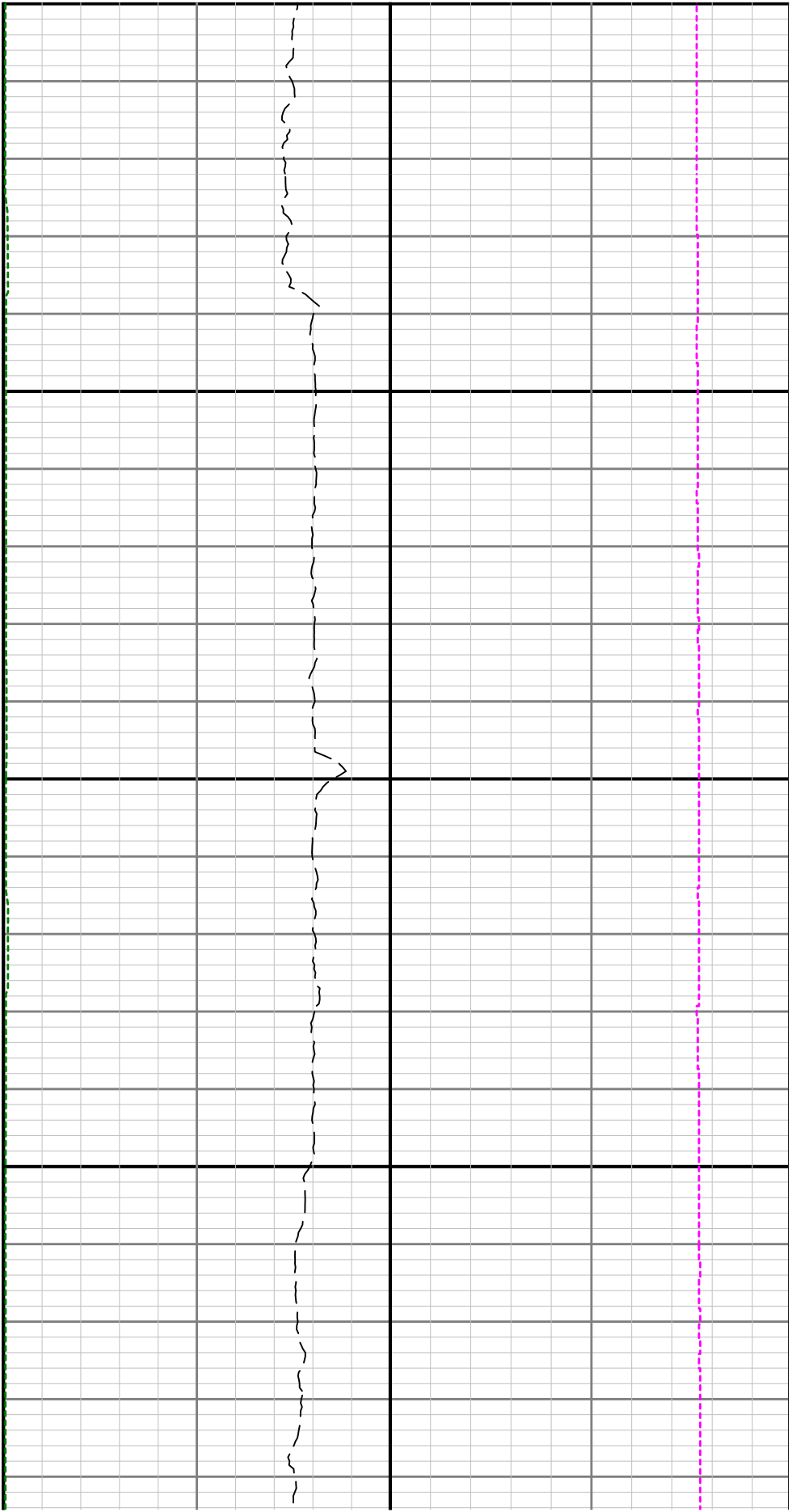
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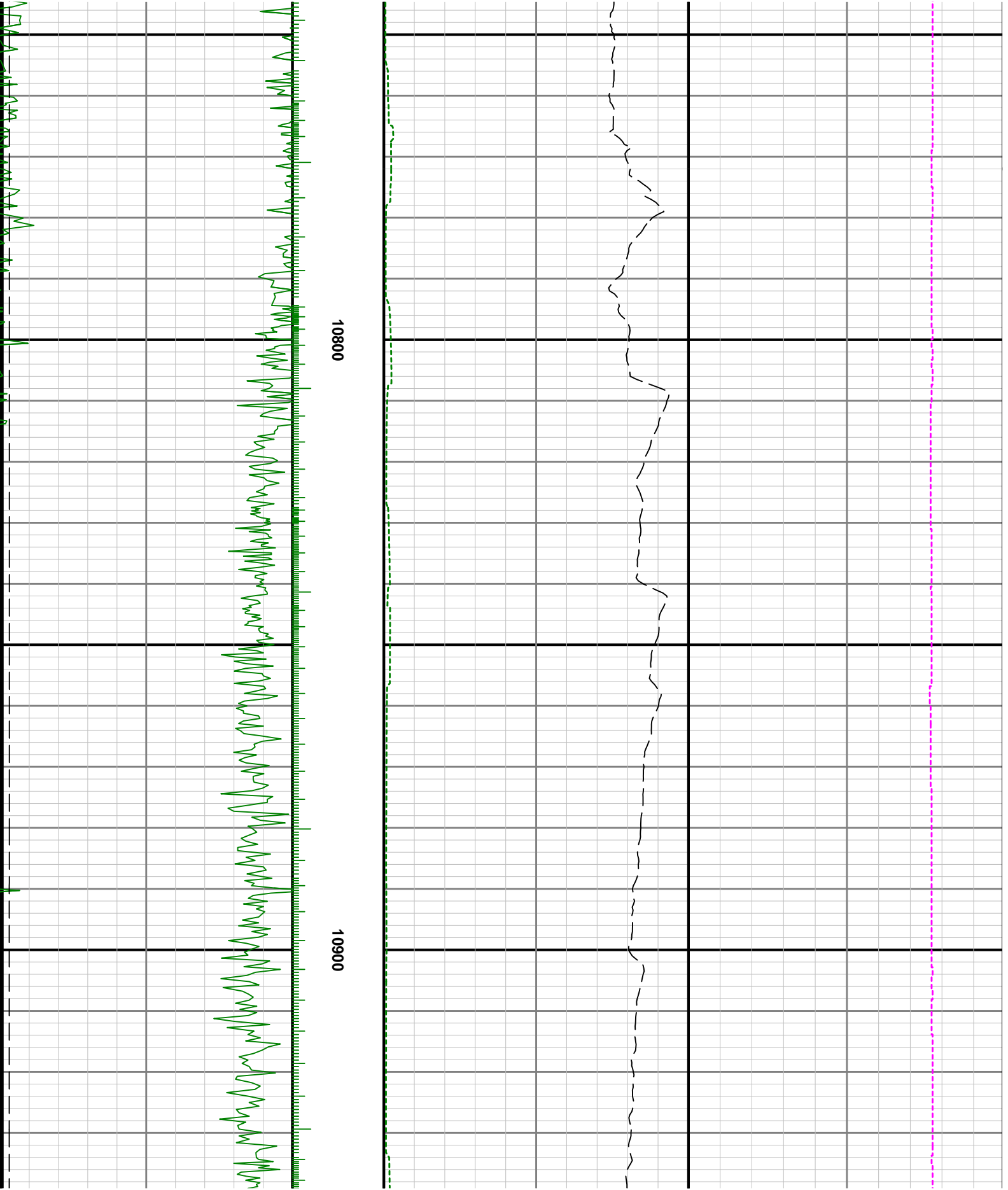


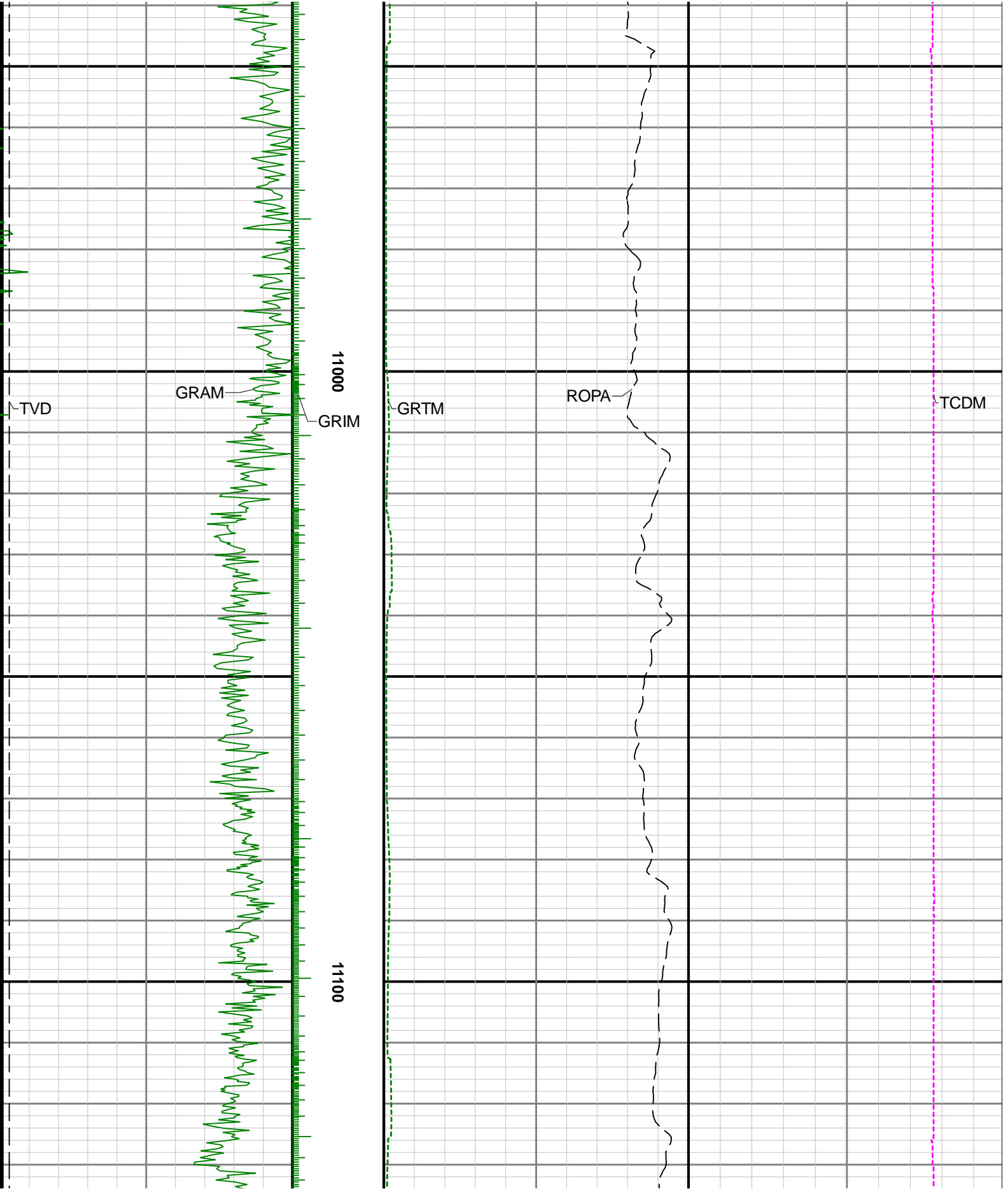






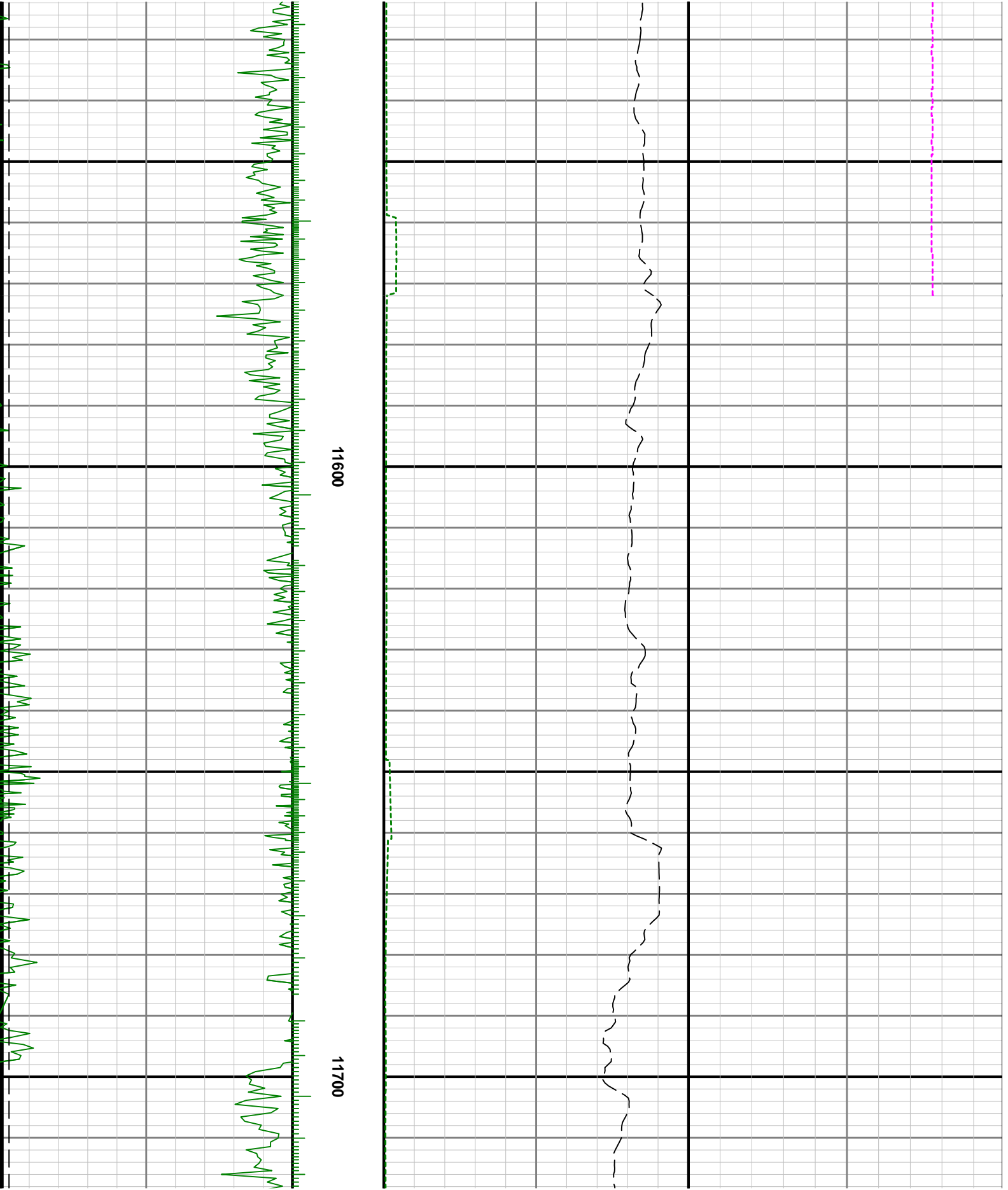




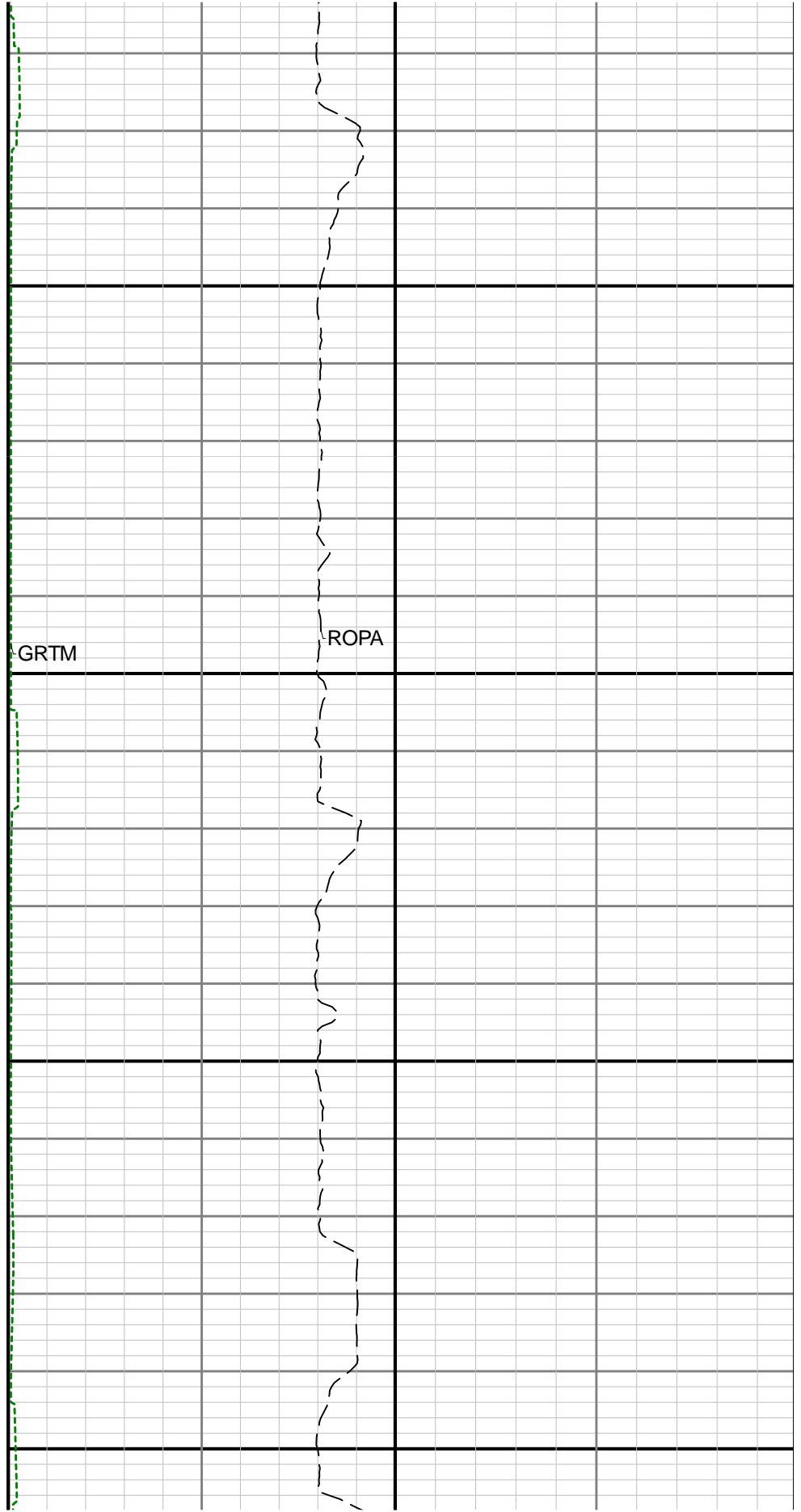
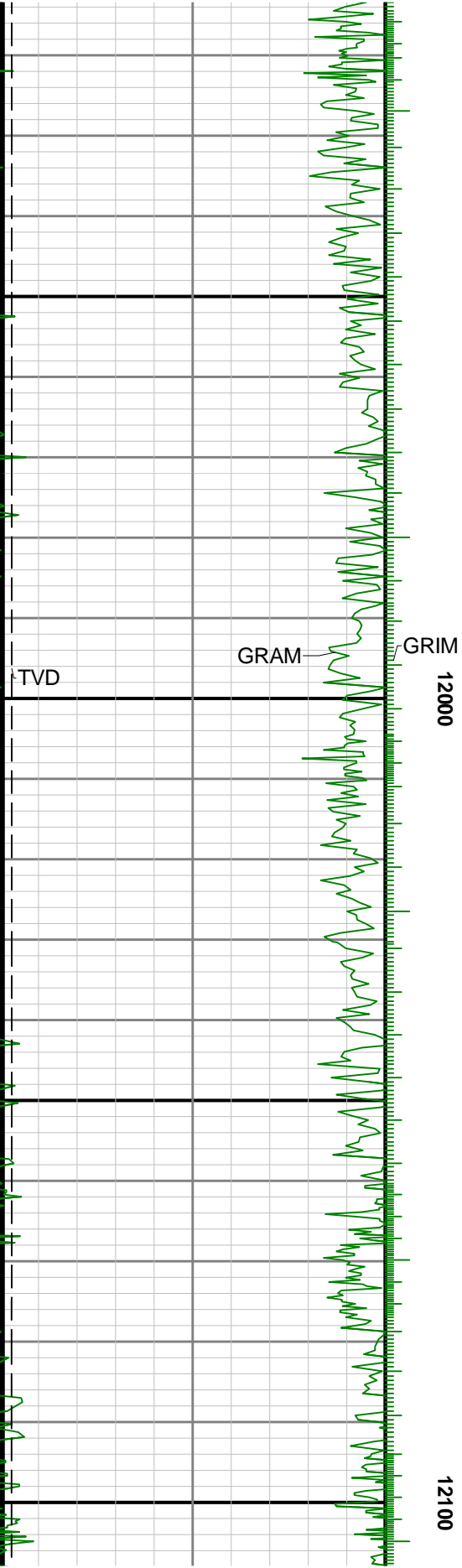






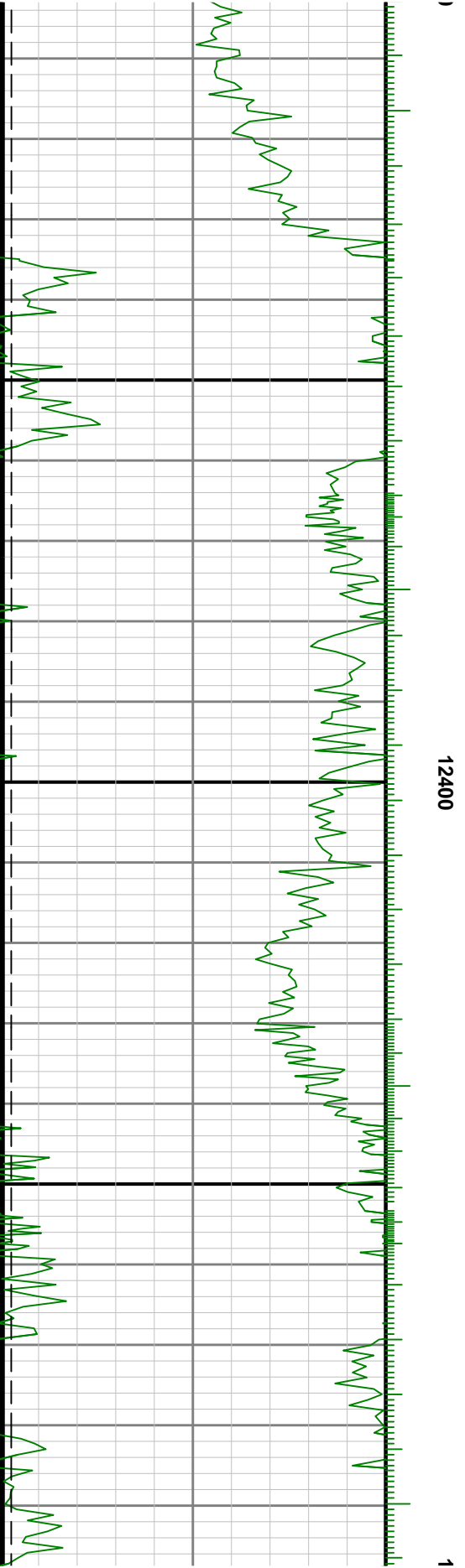
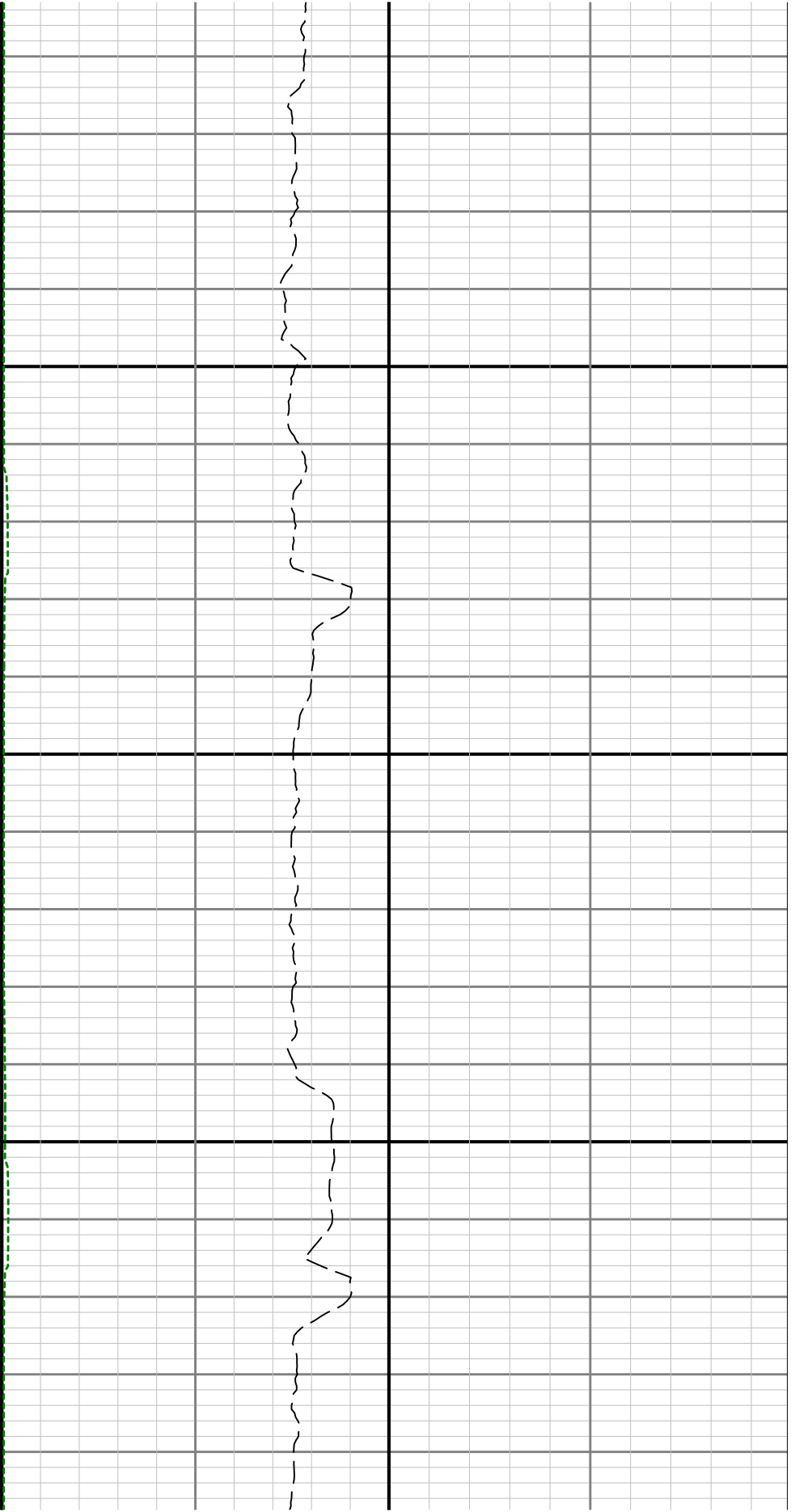


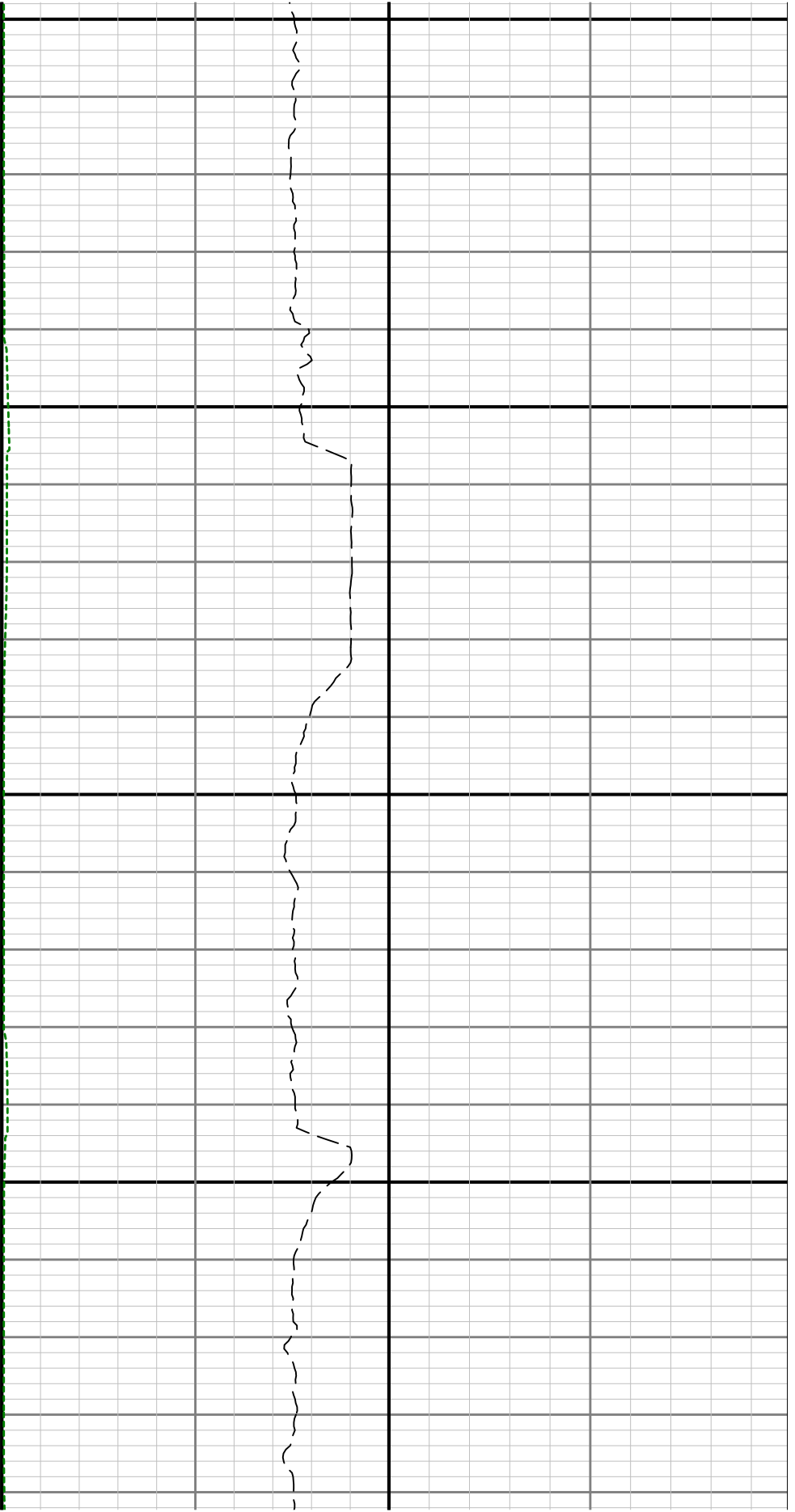






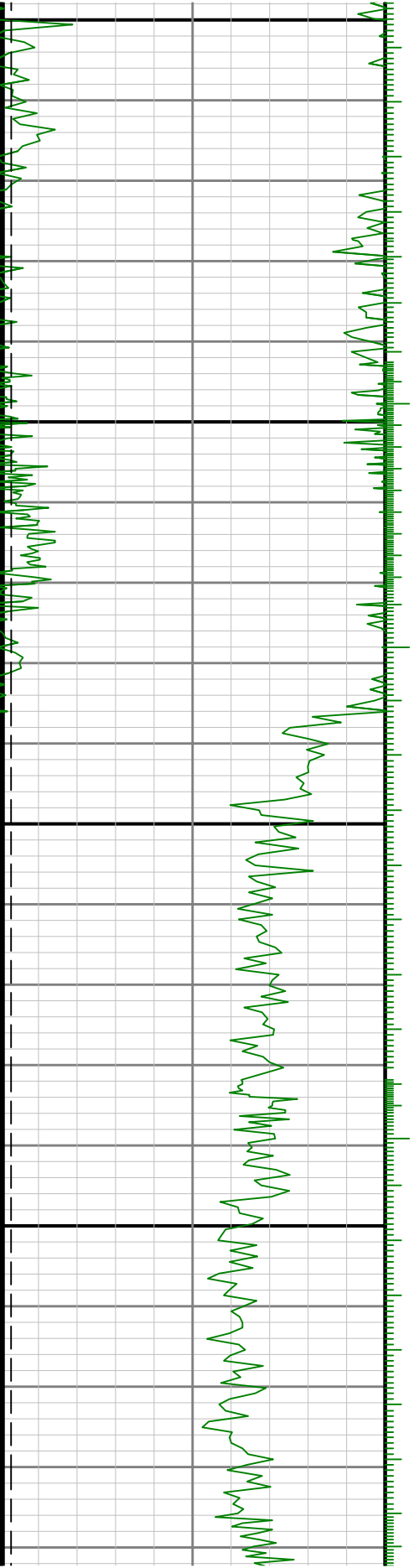


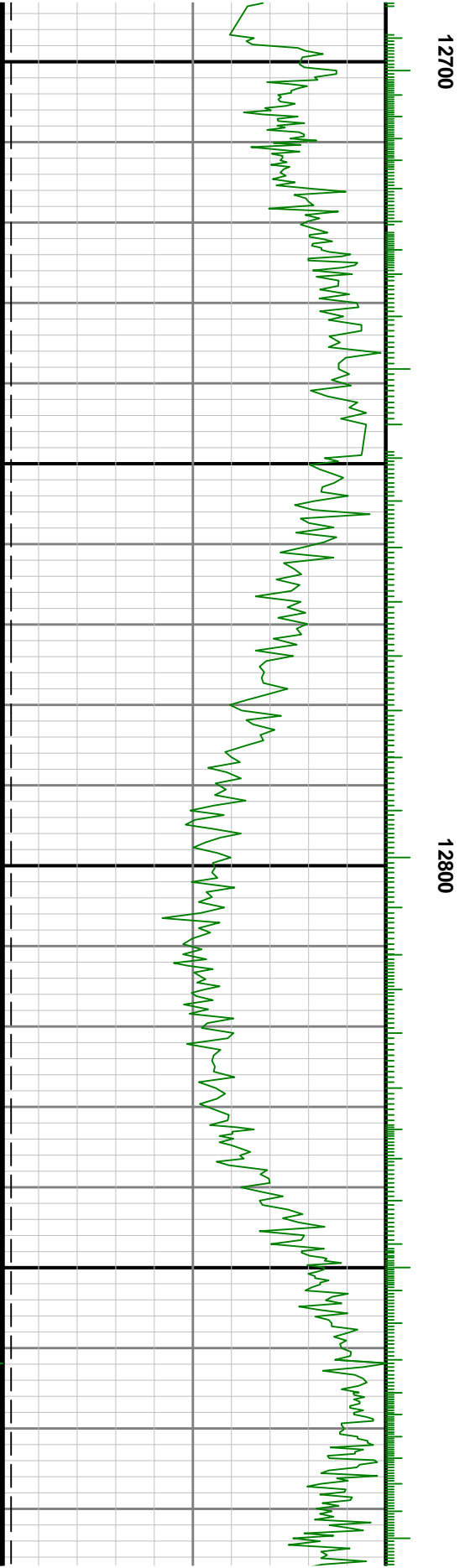
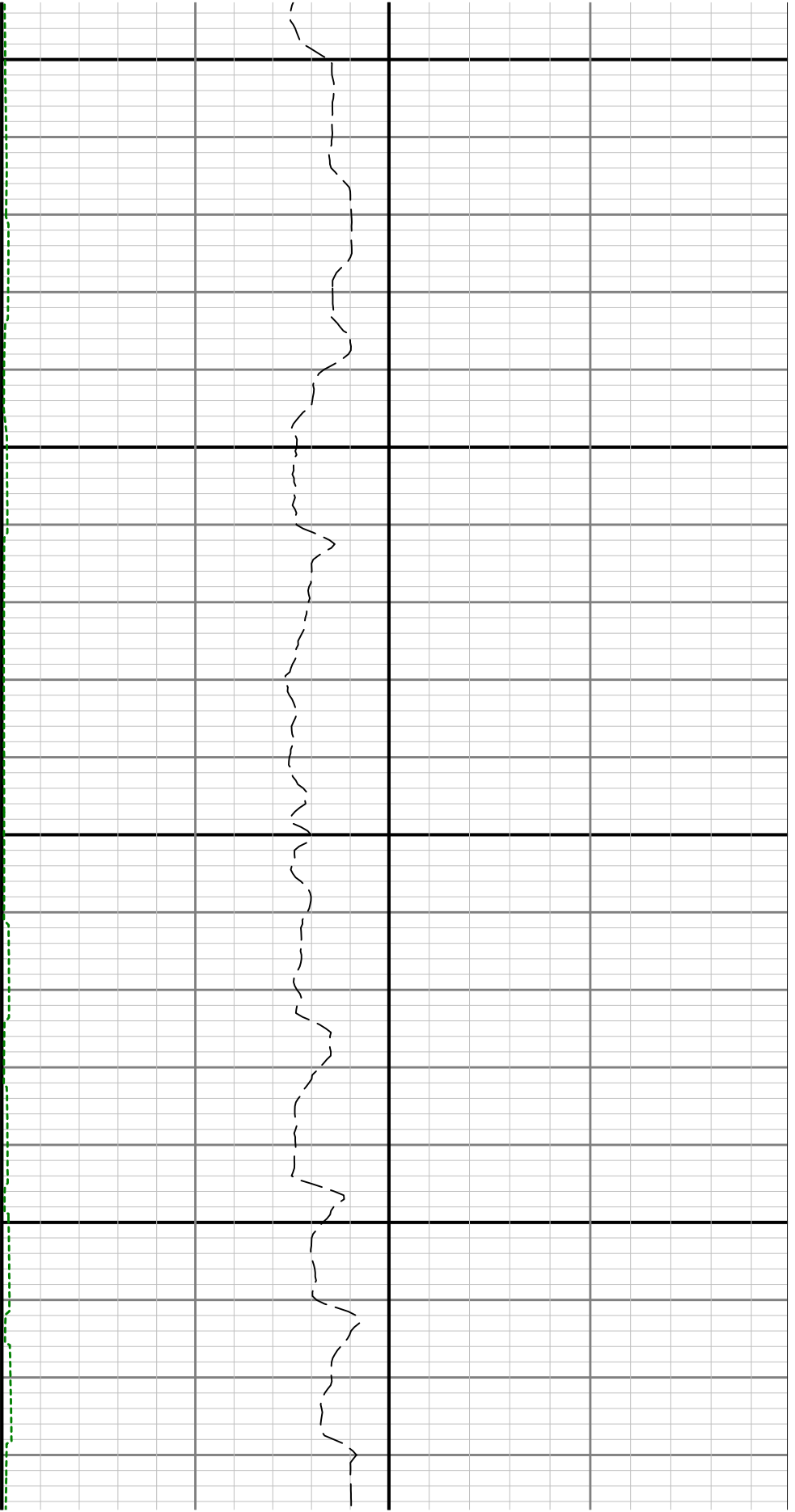


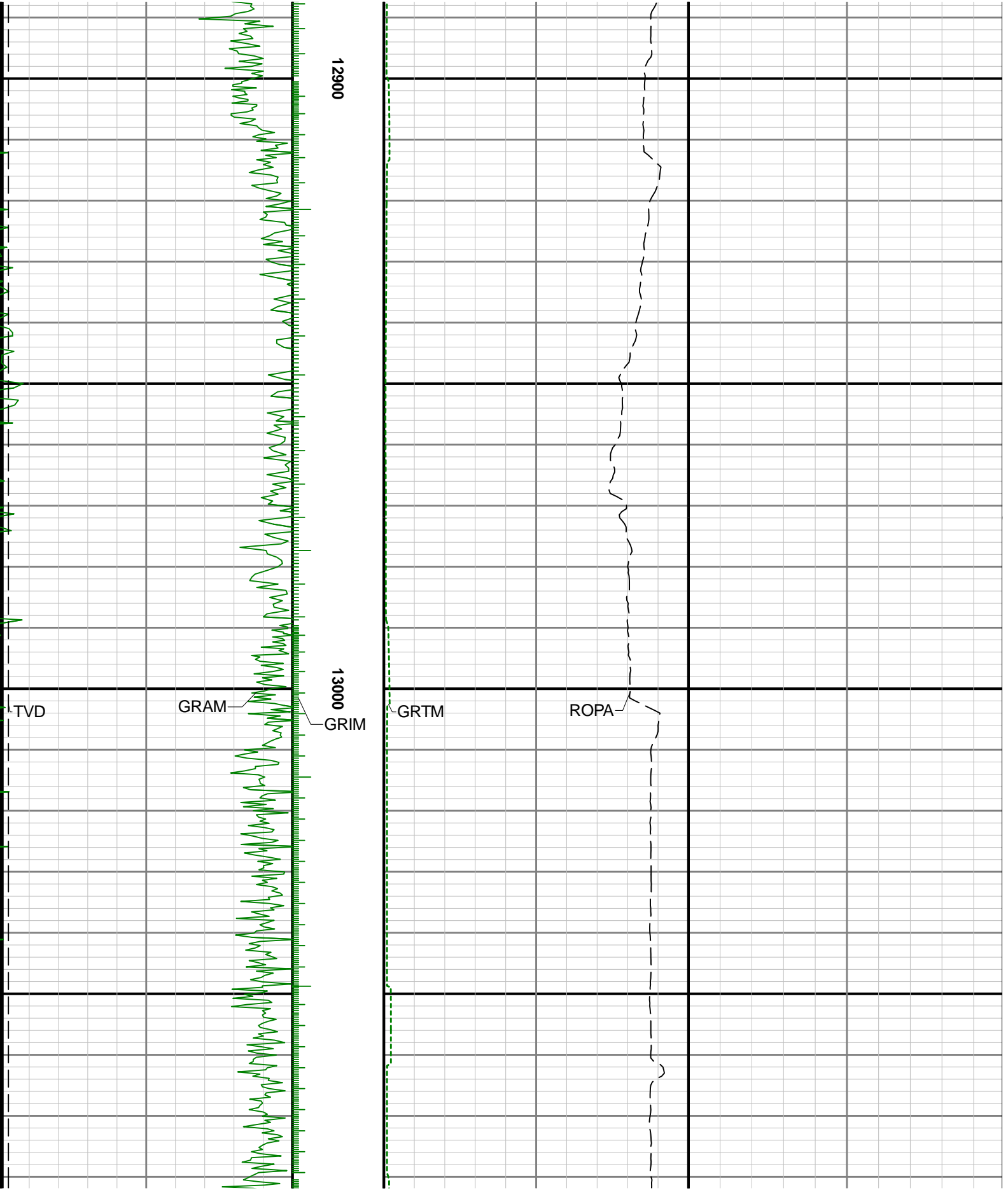


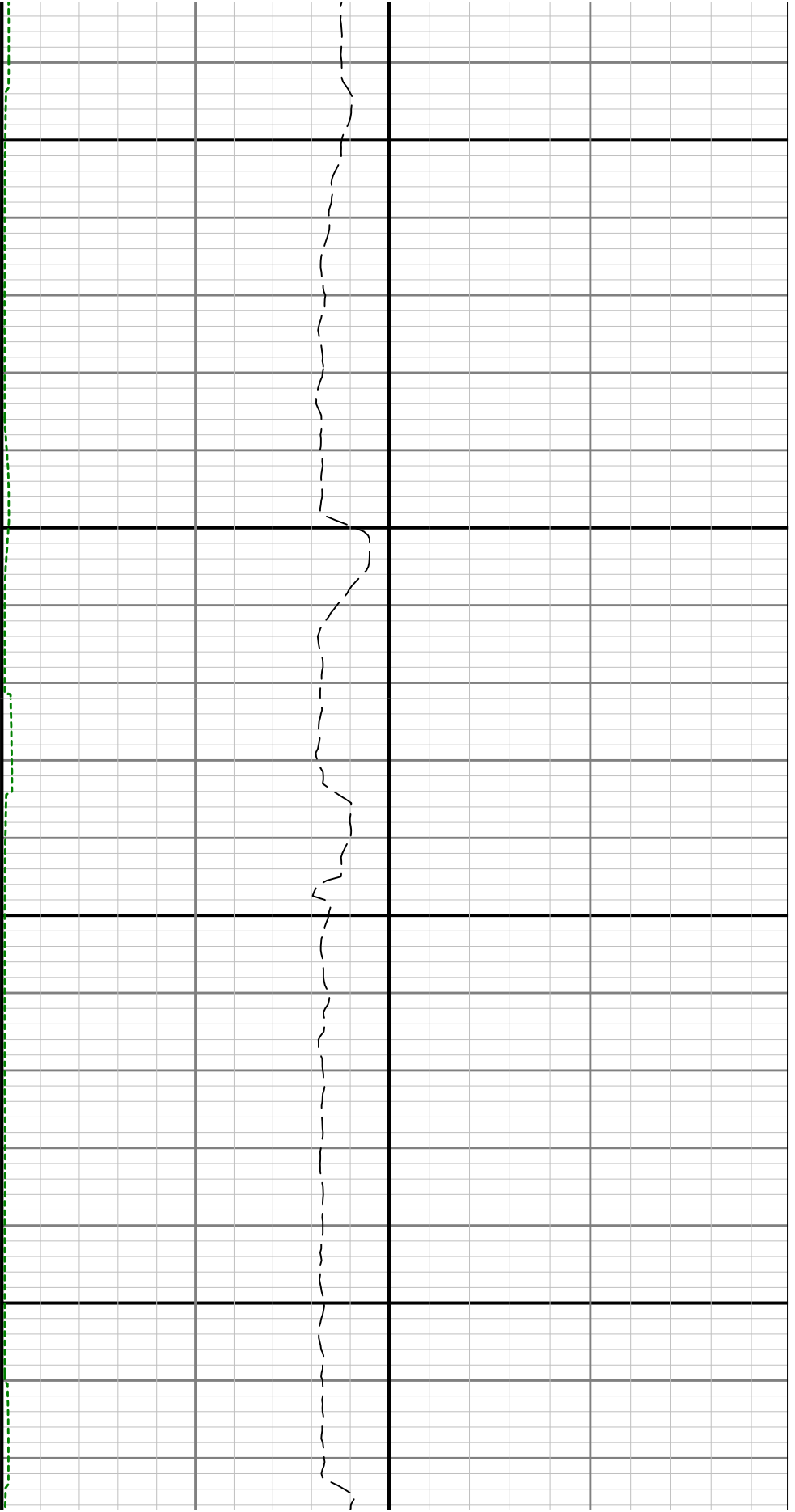
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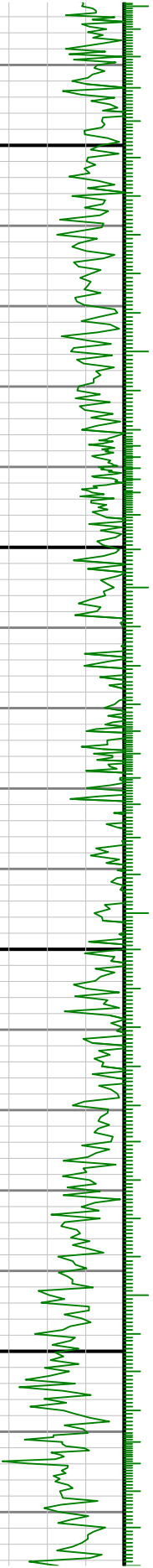


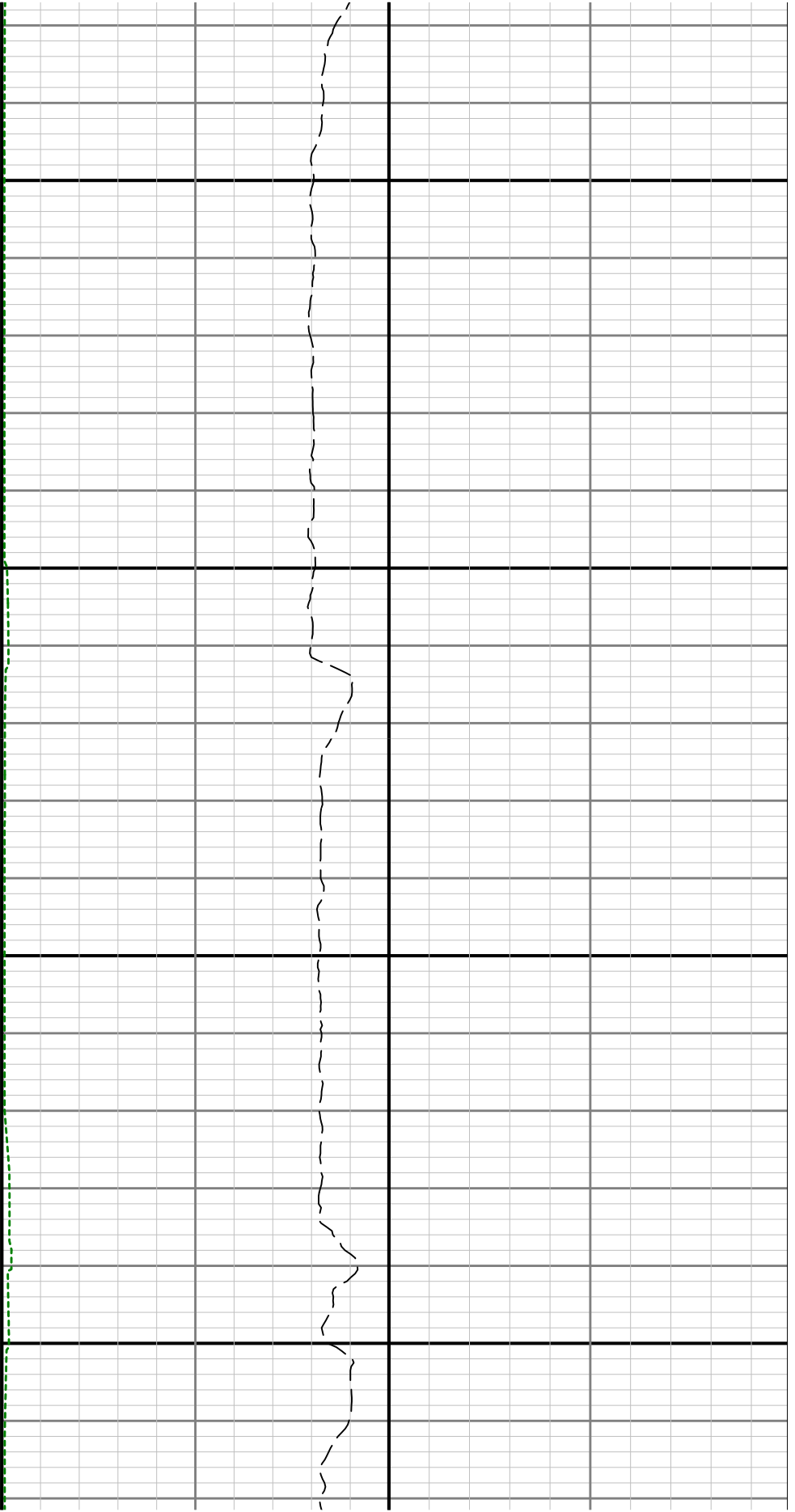




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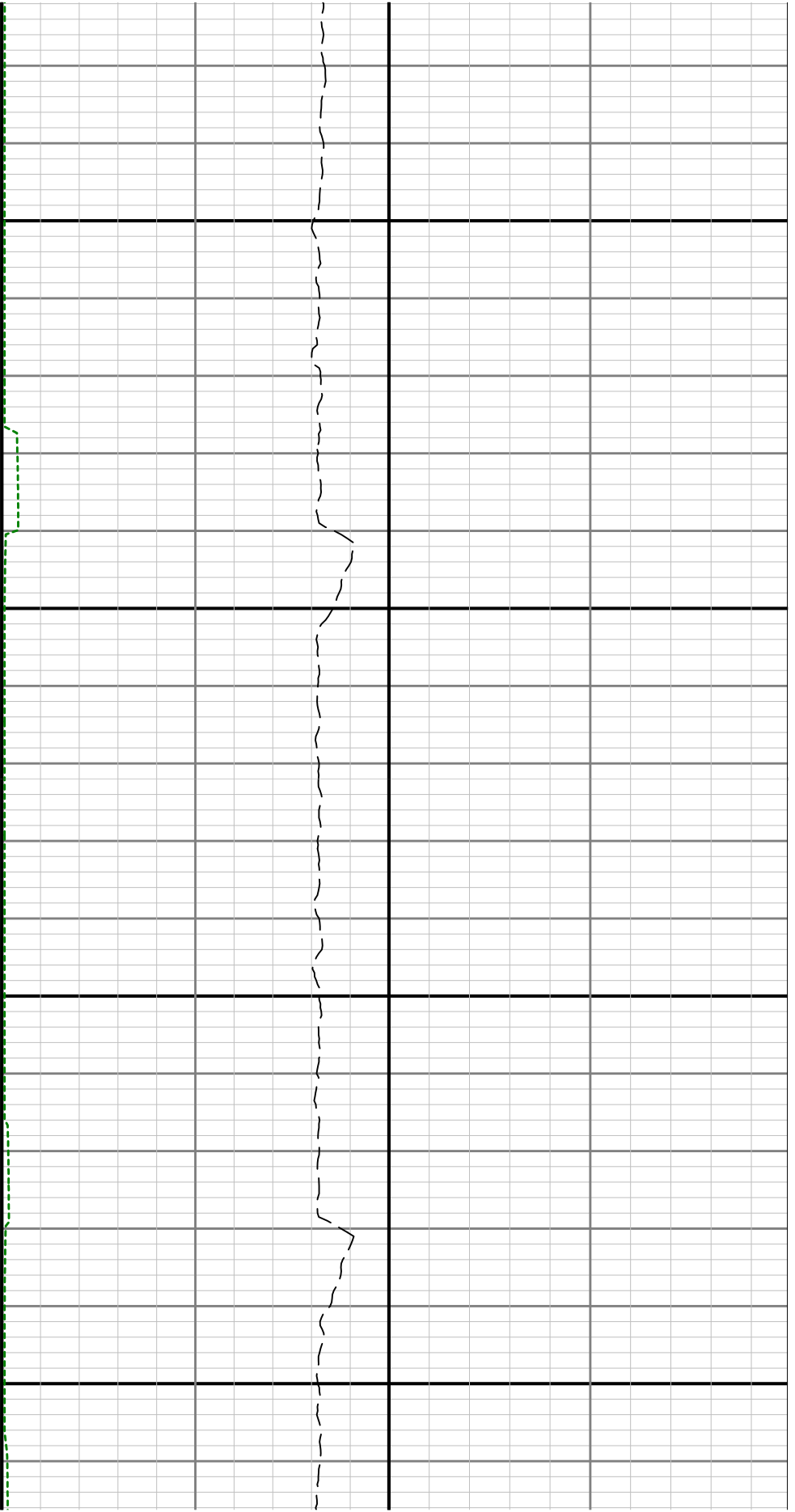




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13400





13500

13600

