

©"4239"Dcmgt"Jwijgu."c"IG"eqorcp{."NNE"ó"Cnn"tkijvu"tgugtxgf0"Dcmgt"Jwijgu."c"IG"eqorcp{."NNE"cpf"kvu"chhknkcvgu"~ôDJIGö+"rtqkfgu"vjku"kphqtocvkqp"qp"cp"ôcu"kuô"dcuku"hgt"igpgtcn"kphqtocvkqp" purposes and believes it to be accurate as of the date of publication. BHGE does not make any representation as to the accuracy or completeness of the information and makes no warranties of any kind, specific, implied or oral, to the fullest extent permissible by law, including those of merchantability and fitness for a particular purpose or use. BHGE hereby disclaims any and all liability for any direct, indirect, consequential or special damages, claims for lost profits, or third party claims arising from the use of the information, whether a claim is asserted in contract, tort, or otherwise. The BHGE logo is a trademark of Baker Hughes, a GE company, LLC. GE and the GE monogram are trademarks of General Electric Company used under trademark license.

Mud Properties Record											
Date / Time	Run No.	Measured Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2018-01-09 02:30	1	2152.00	Oil Based Mud	9.4	13	N/A	20.7	68.6/31.4	Active Pit	24500	0.00
2018-01-09 13:30	1	3233.00	Oil Based Mud	9.1	11	N/A	18.7	72/28	Active Pit	25500	0.00
2018-01-10 02:30	1	7080.00	Oil Based Mud	9.3	10	N/A	18.5	72.7/27.3	Active Pit	25000	0.00
2018-01-10 13:30	1	9118.00	Oil Based Mud	9.4	10	N/A	19.0	72.8/27.2	Active Pit	24500	0.00
2018-01-11 04:00	1	13138.00	Oil Based Mud	9.4	10	N/A	20.5	74/26	Active Pit	24000	0.00
2018-01-11 13:30	1	15156.00	Oil Based Mud	9.4	10	N/A	24.0	74/26	Active Pit	22500	0.00

Equipment and Service Data							
Run No.	Tool	Serial Number	Measurement	Sensor Offset	Bit Offset	Max O.D.	Min I.D.

				(ft)	(ft)	(in)	(in)
1	ATC_SU	12088420	Near Bit VSS	5.93	6.73	7.000	4.330
1	ATC_SU	12088420	Near Bit Inclination	5.93	6.73	7.000	4.330
1	ATC_MWD	12603327	Gamma (single)	2.19	12.35	7.000	3.250
1	ATC_MWD	12603327	Directional (mag)	12.26	22.42	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC_SU	ATC_SU	Auto Trak Curve Steering Unit
ATC_MWD	ATC_MWD	Auto Trak Curve MWD
ATC_LCPM	ATC_LCPM	Auto Trak Curve LCPM

Comments

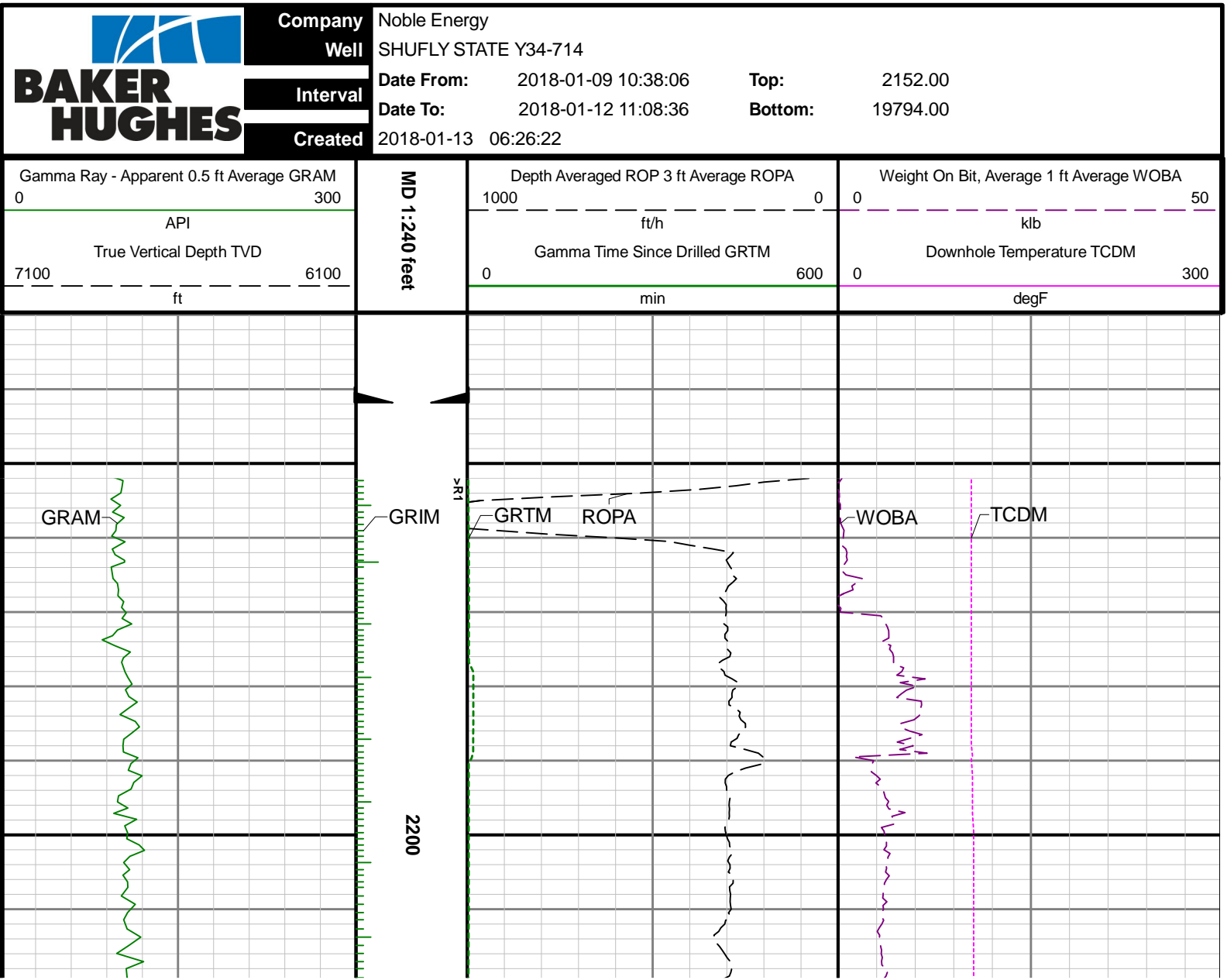
1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to the lack of control by Baker Hughes, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD run 1 utilized a 6.75 inch NaviGamma service (Directional and Gamma Ray) behind a 8.5 inch bit and rotary steerable assembly from 2152 to 19794 feet MD (2152 to 6978 feet TVD).
3	Vertical axis is Depth (ft) and Horizontal axis is Time (min).

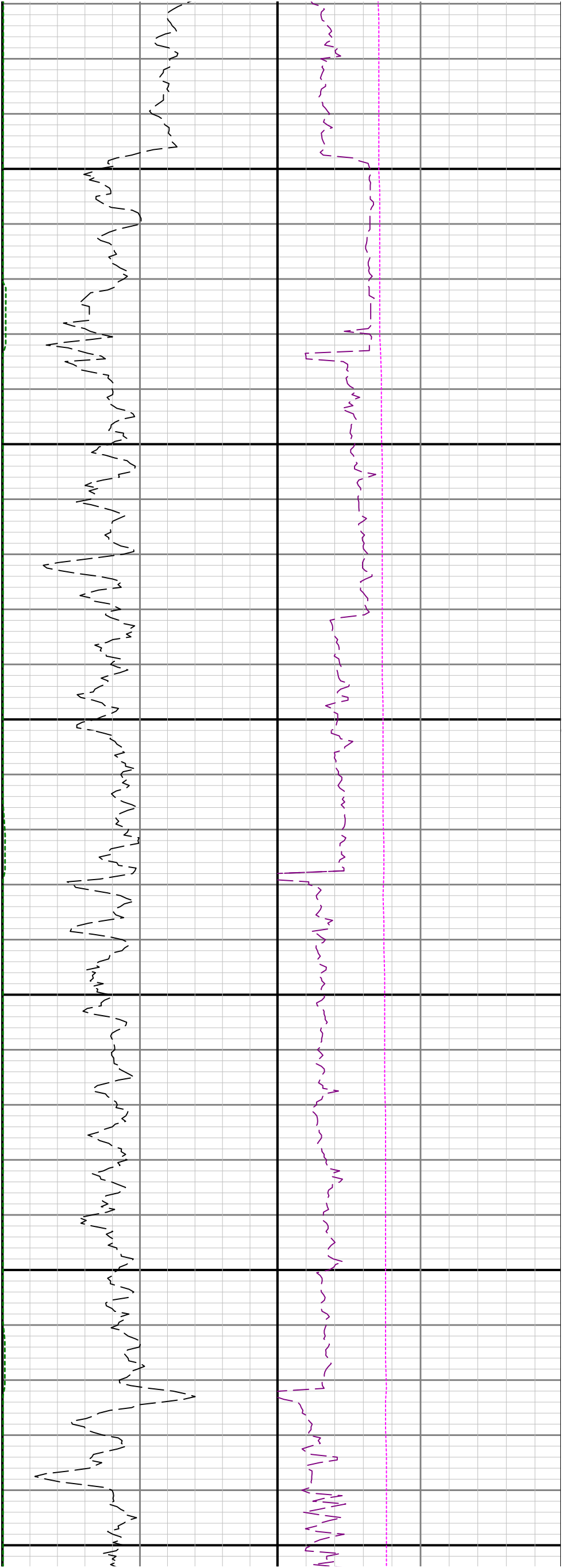
Remarks

Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	19794.00	8.500	1	The interval from 19781 to 19794 feet MD (6978 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
WOBA	Weight On Bit, Average 1 ft Average	klb
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	Downhole Temperature	degF

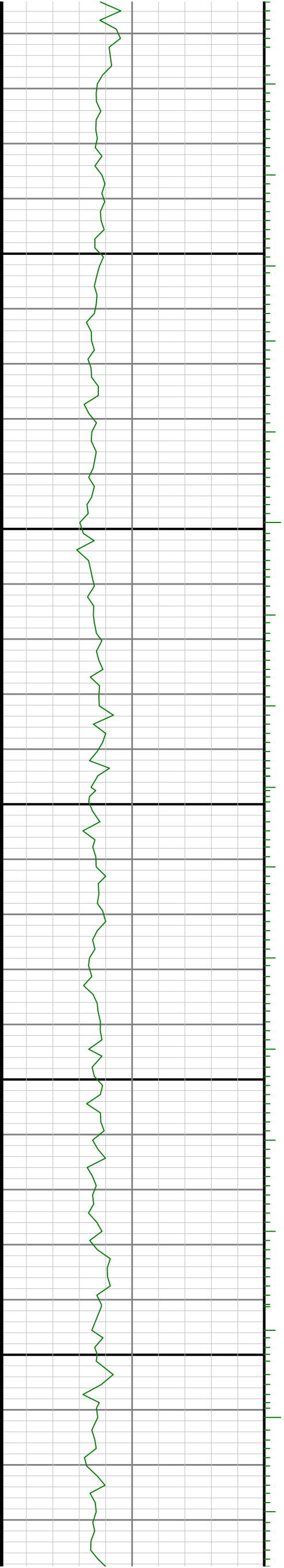
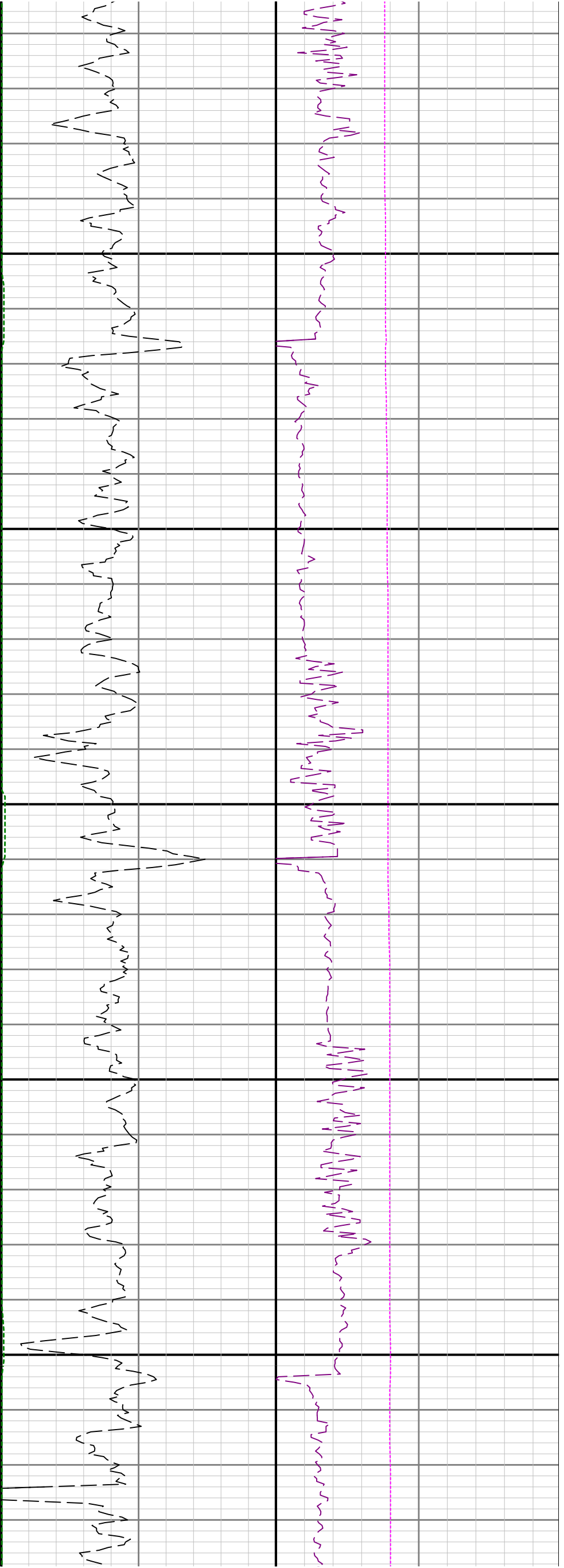


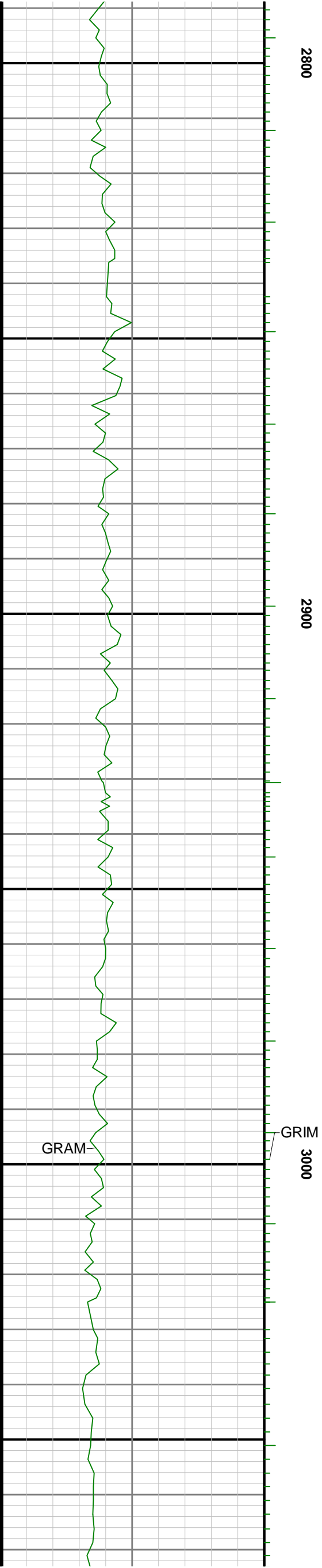
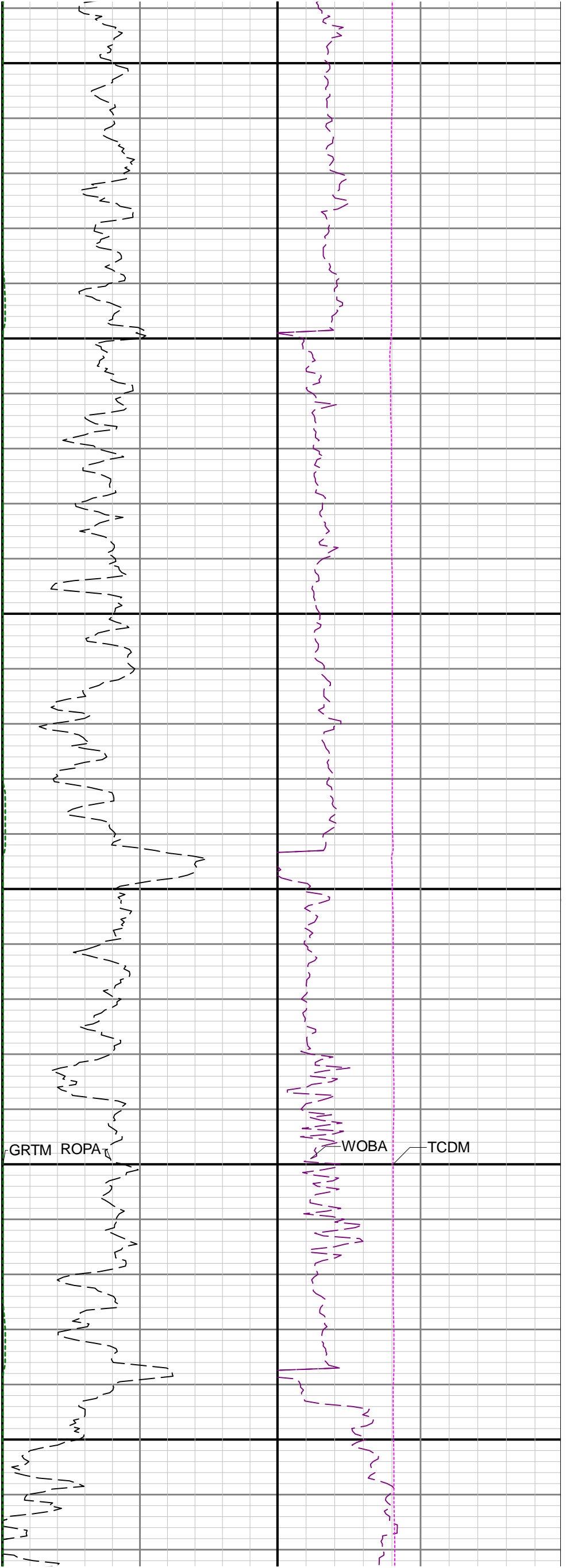


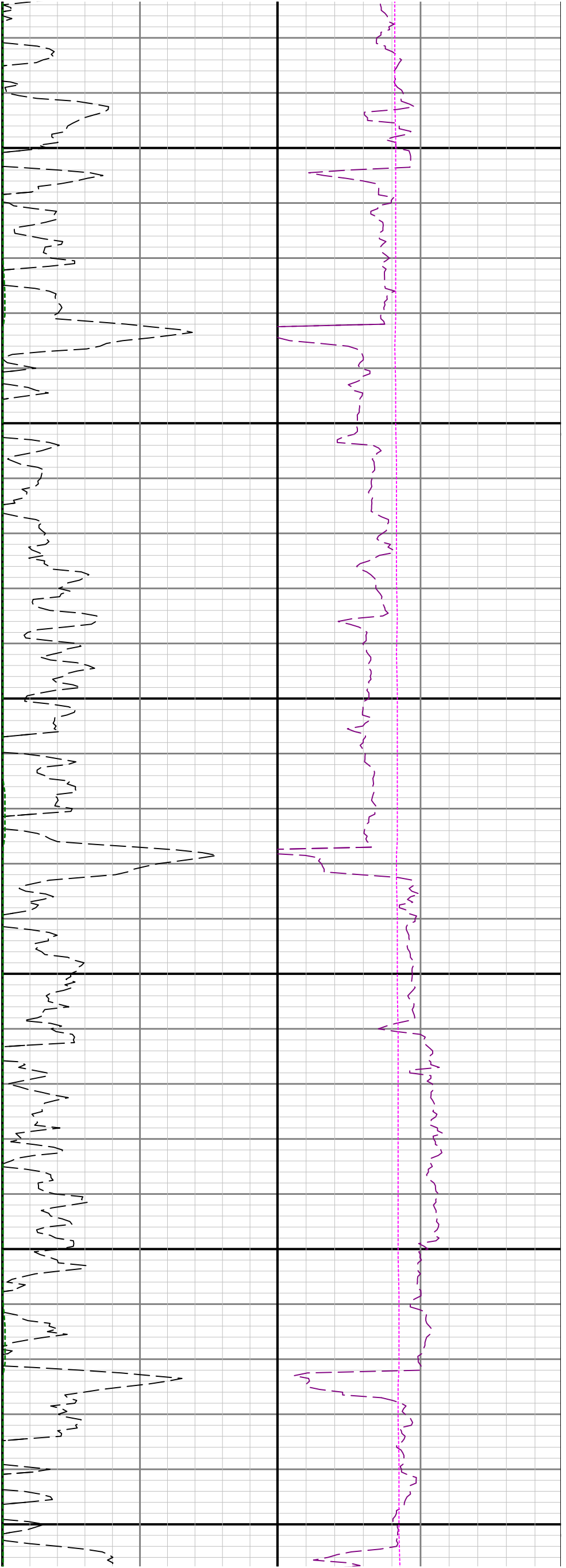
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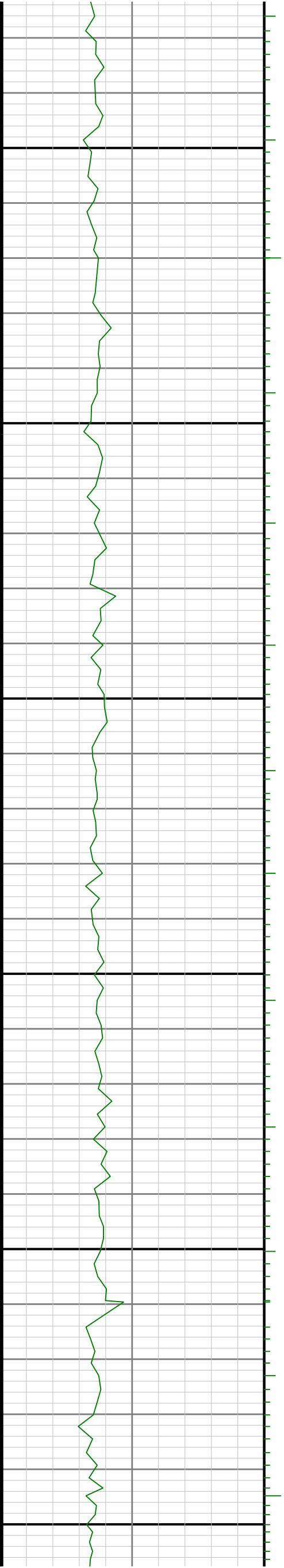


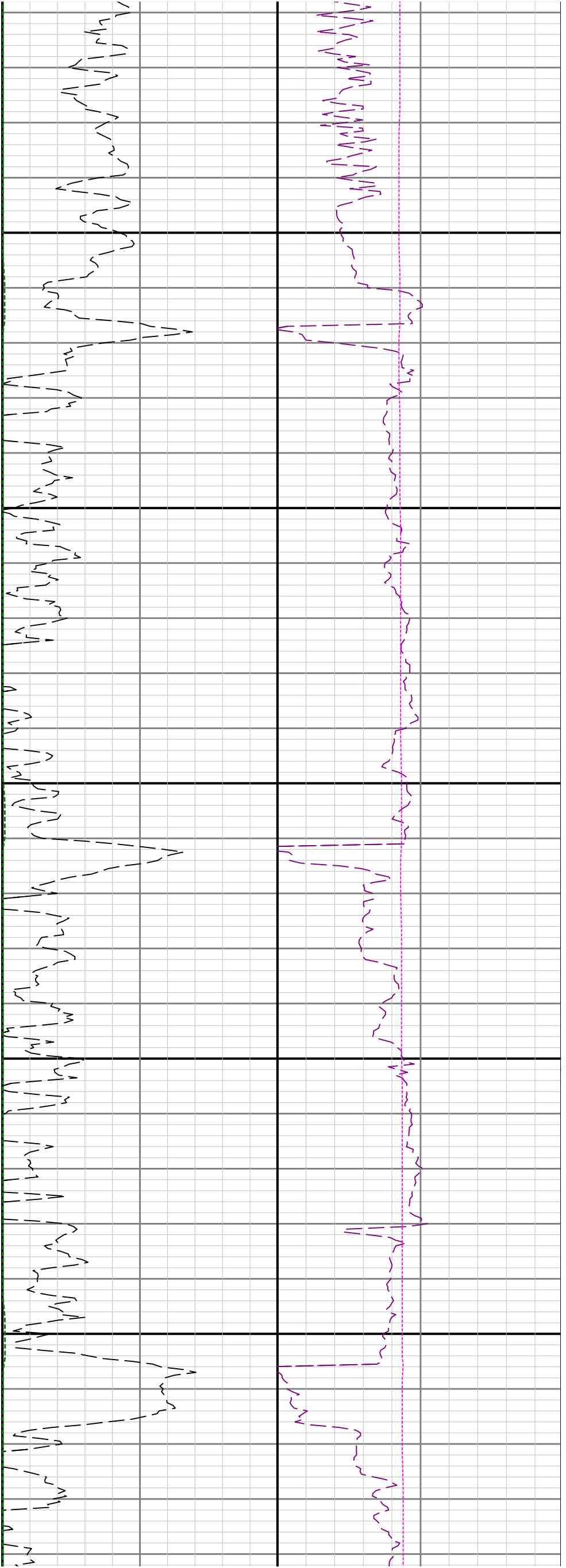


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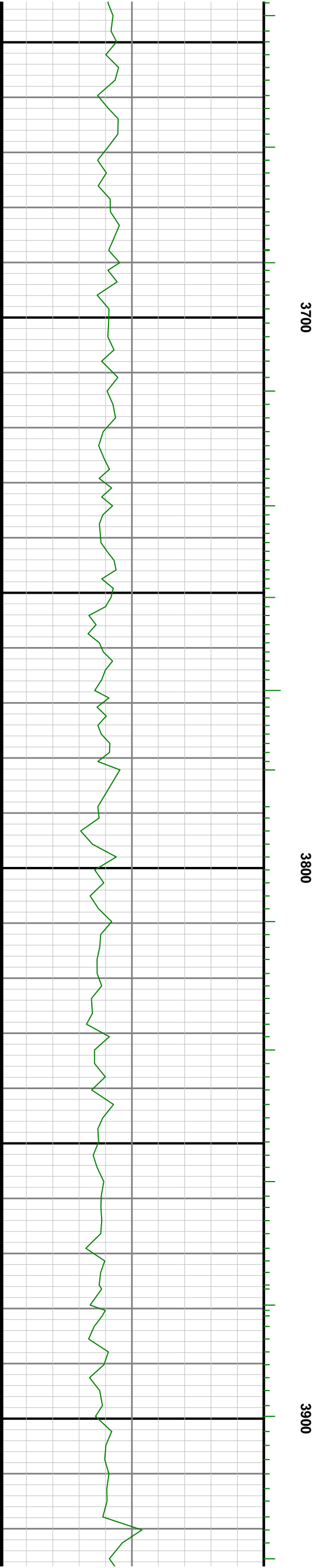
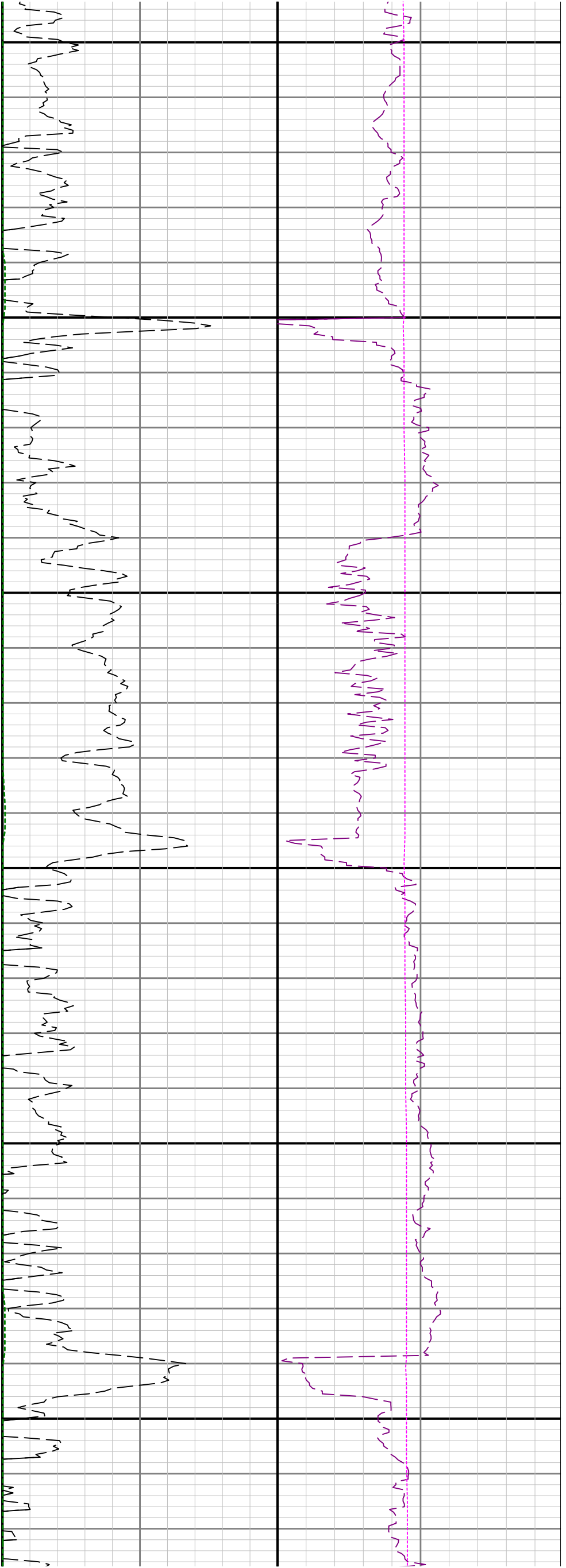


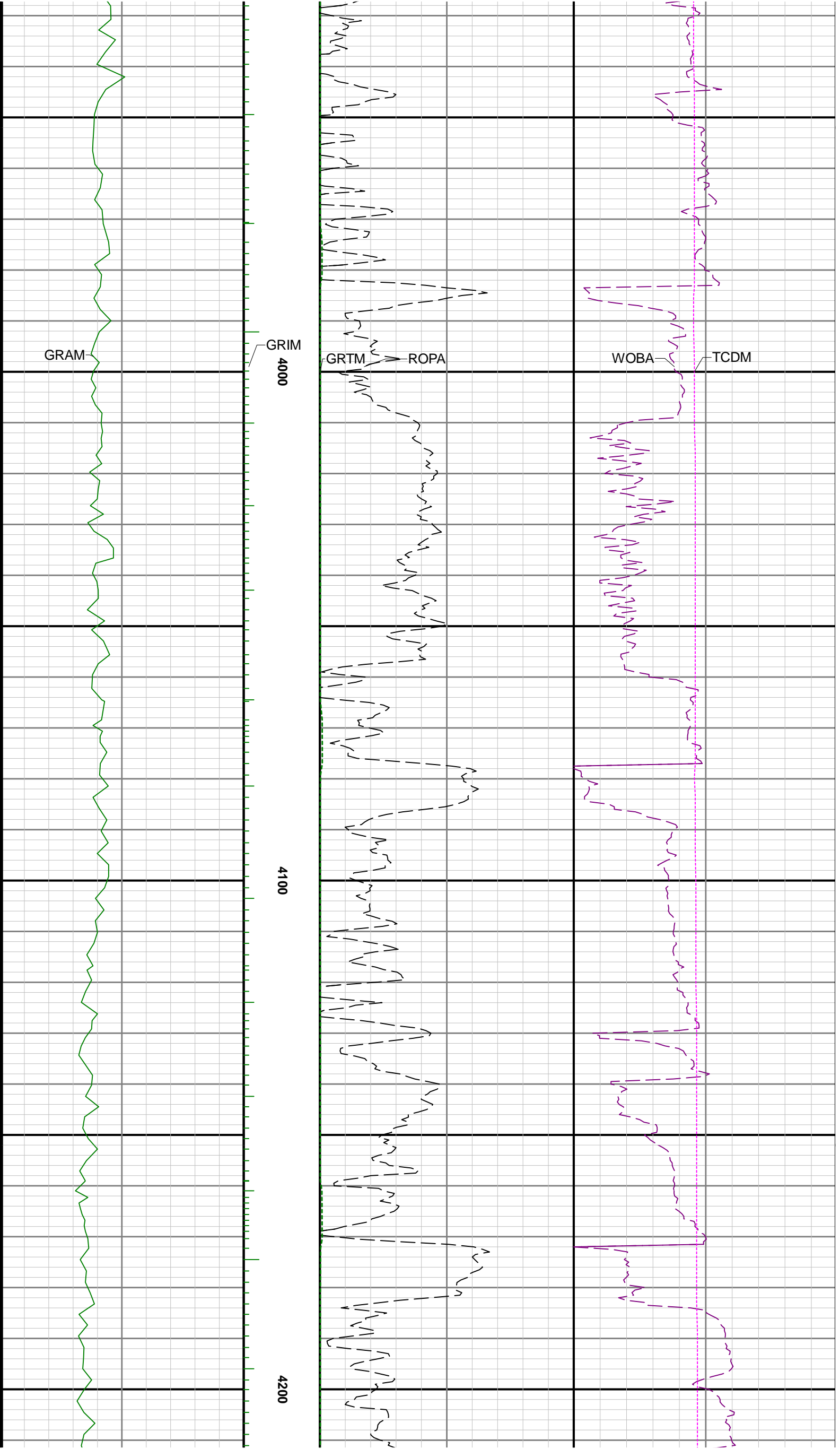


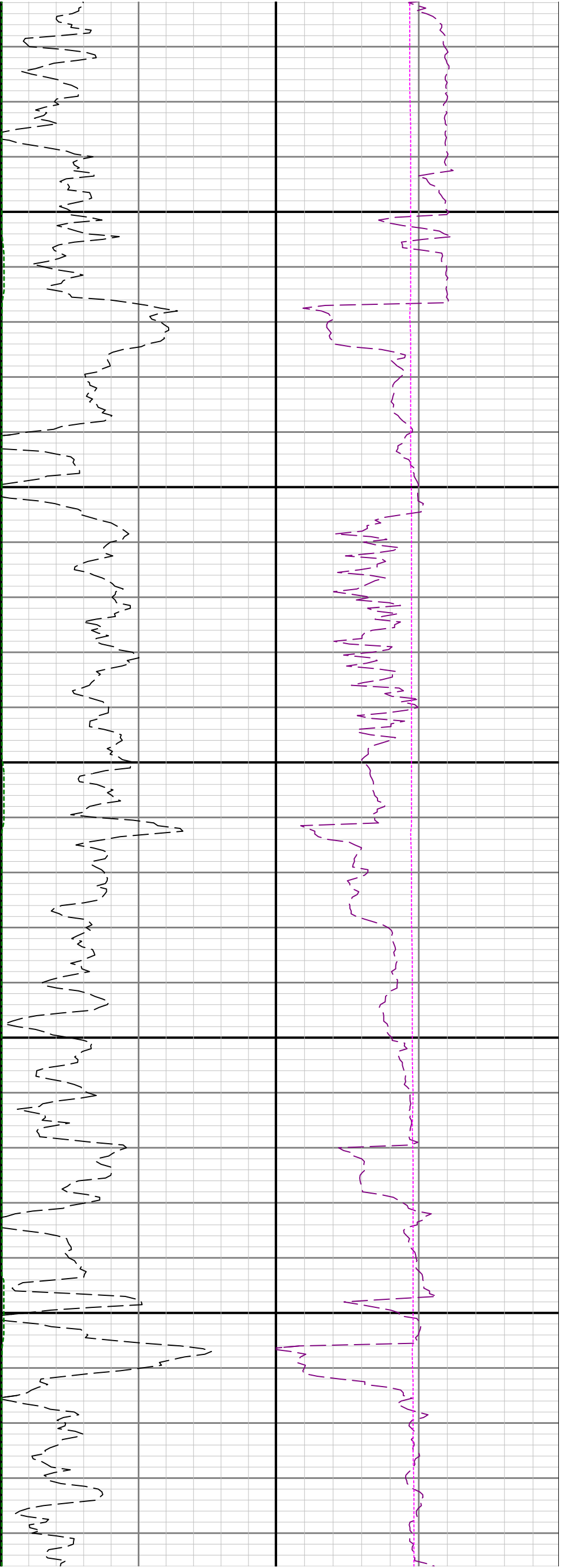
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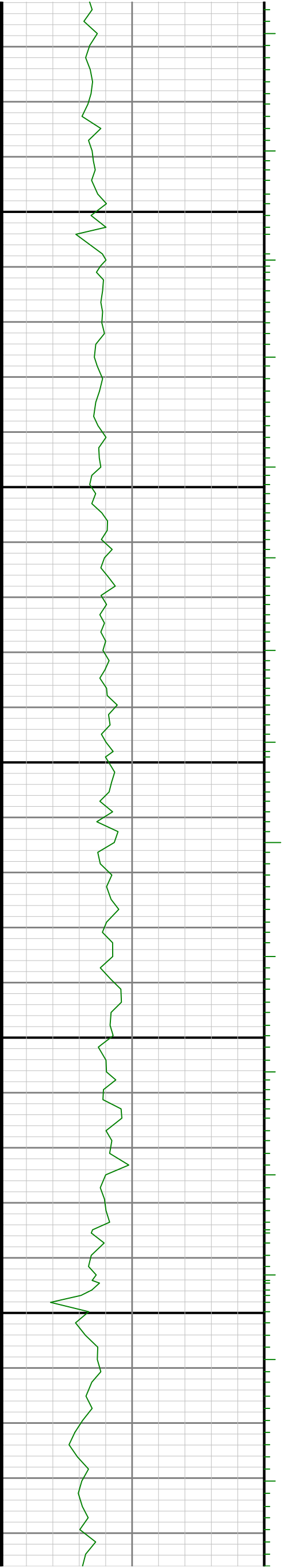


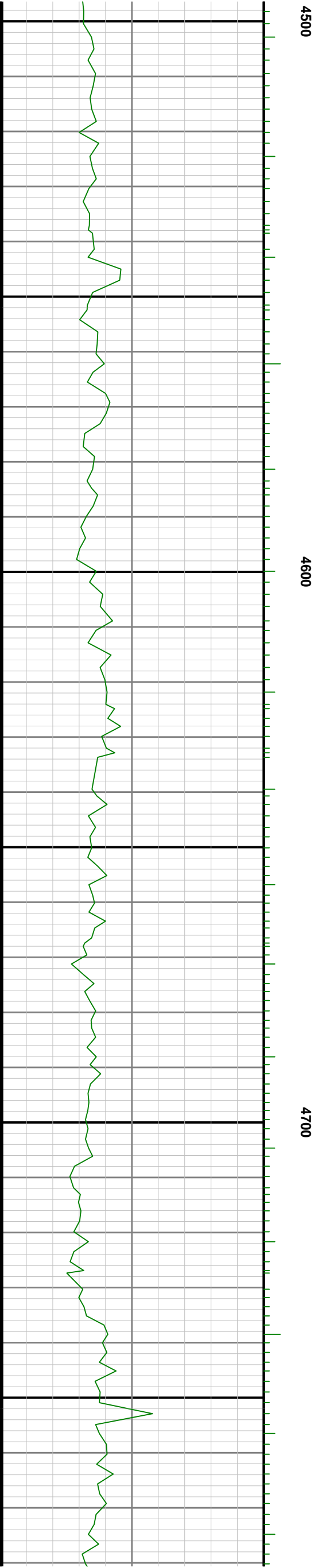
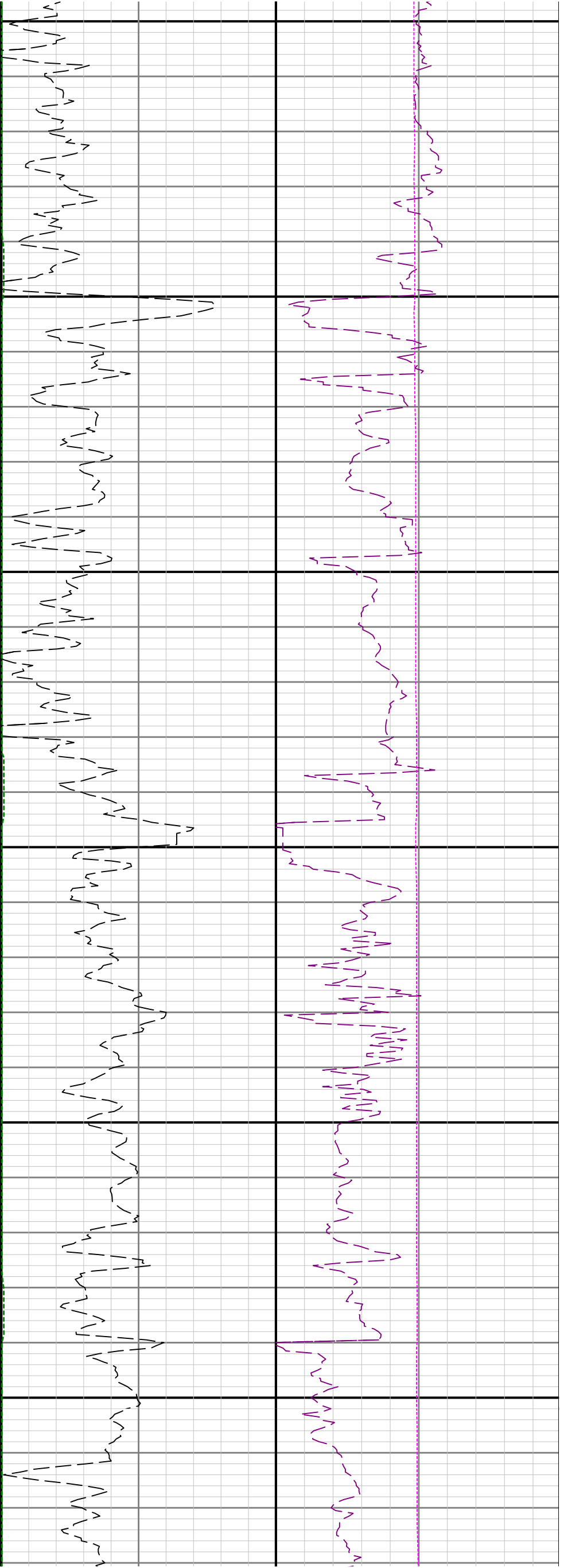


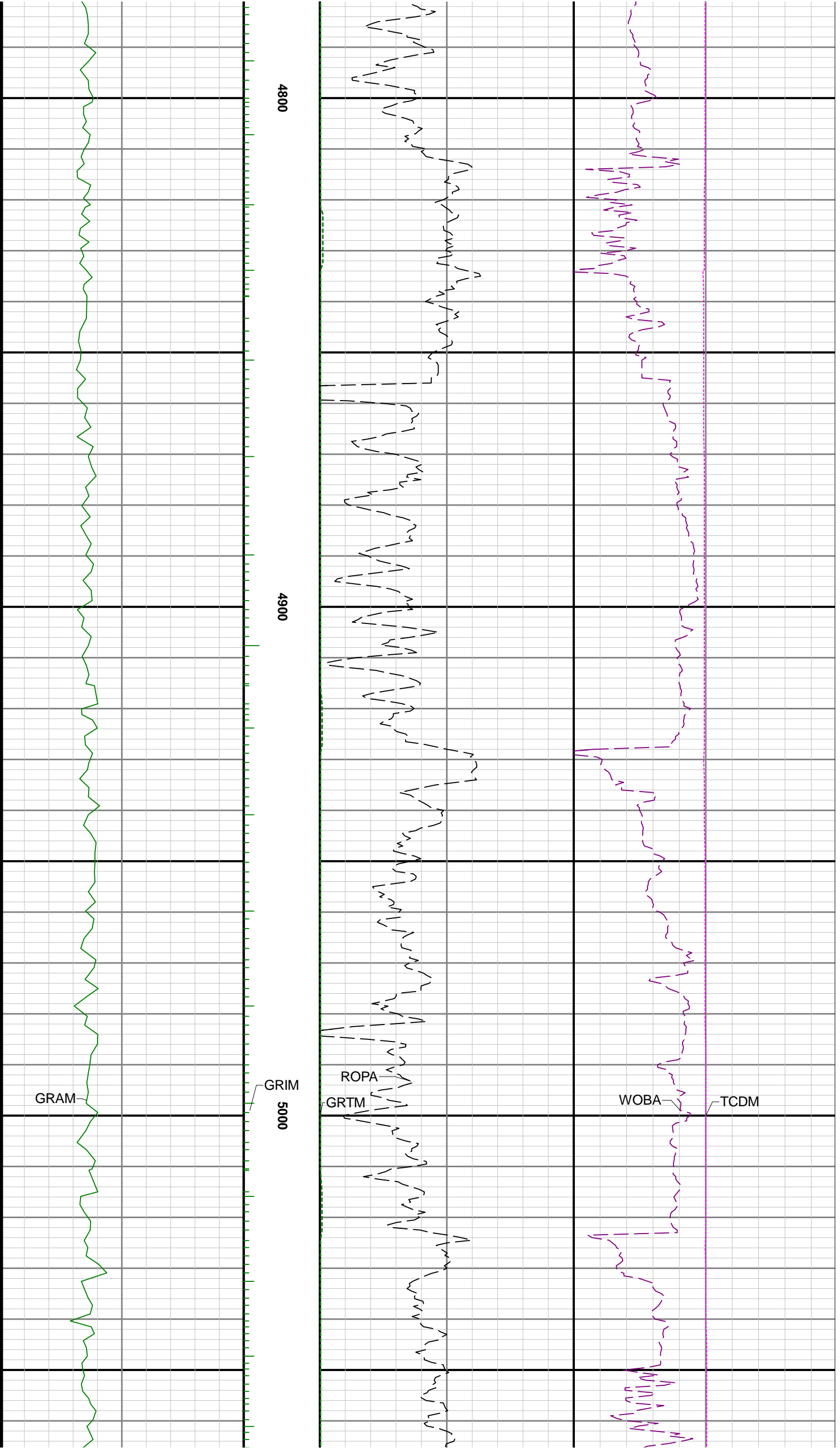


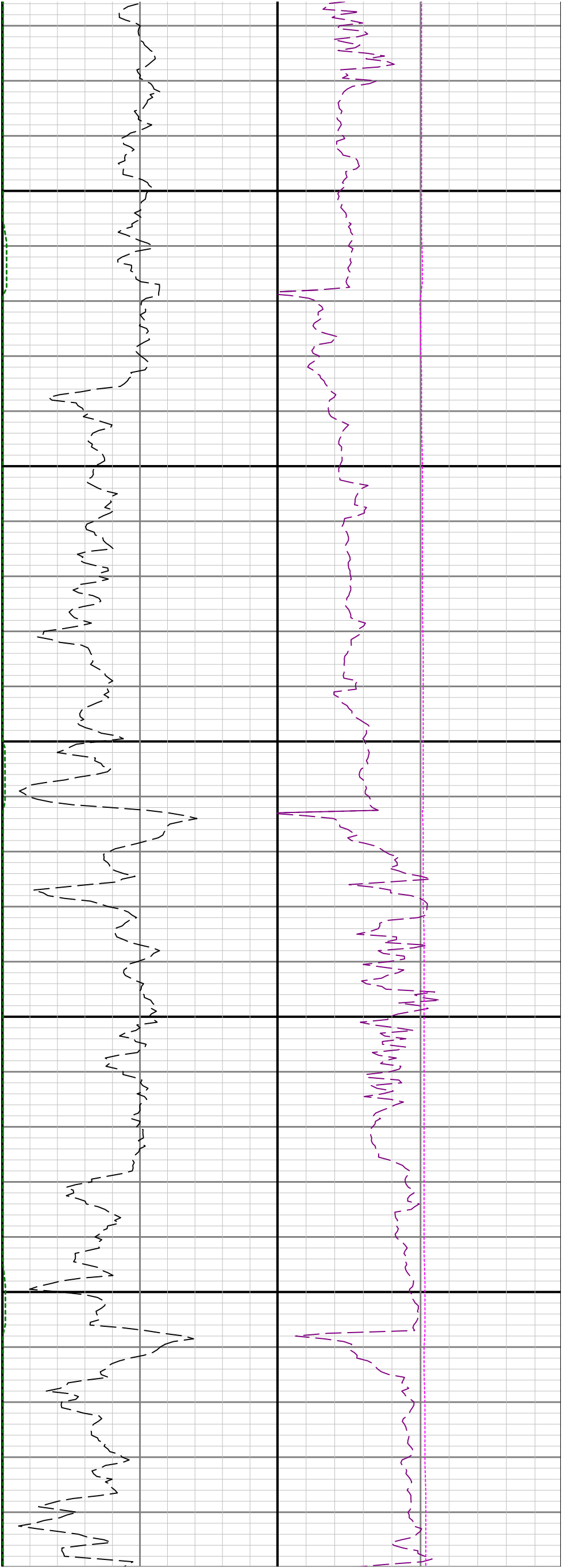
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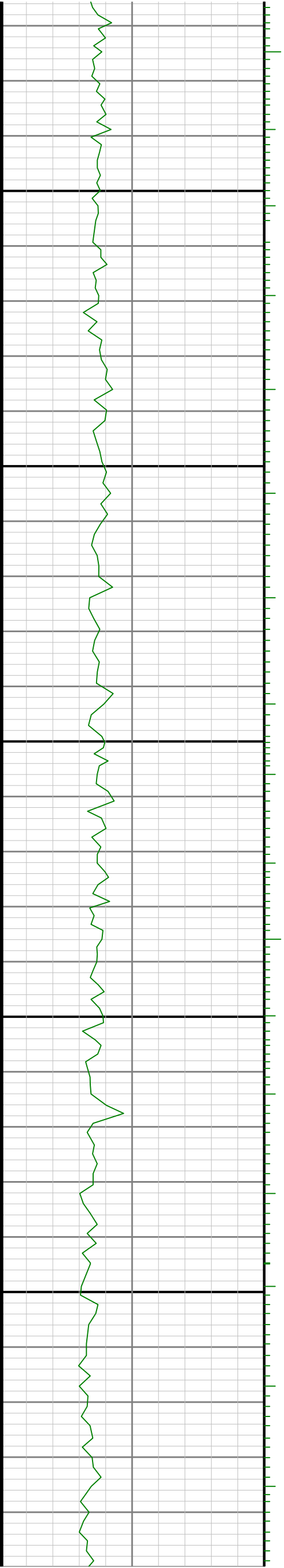


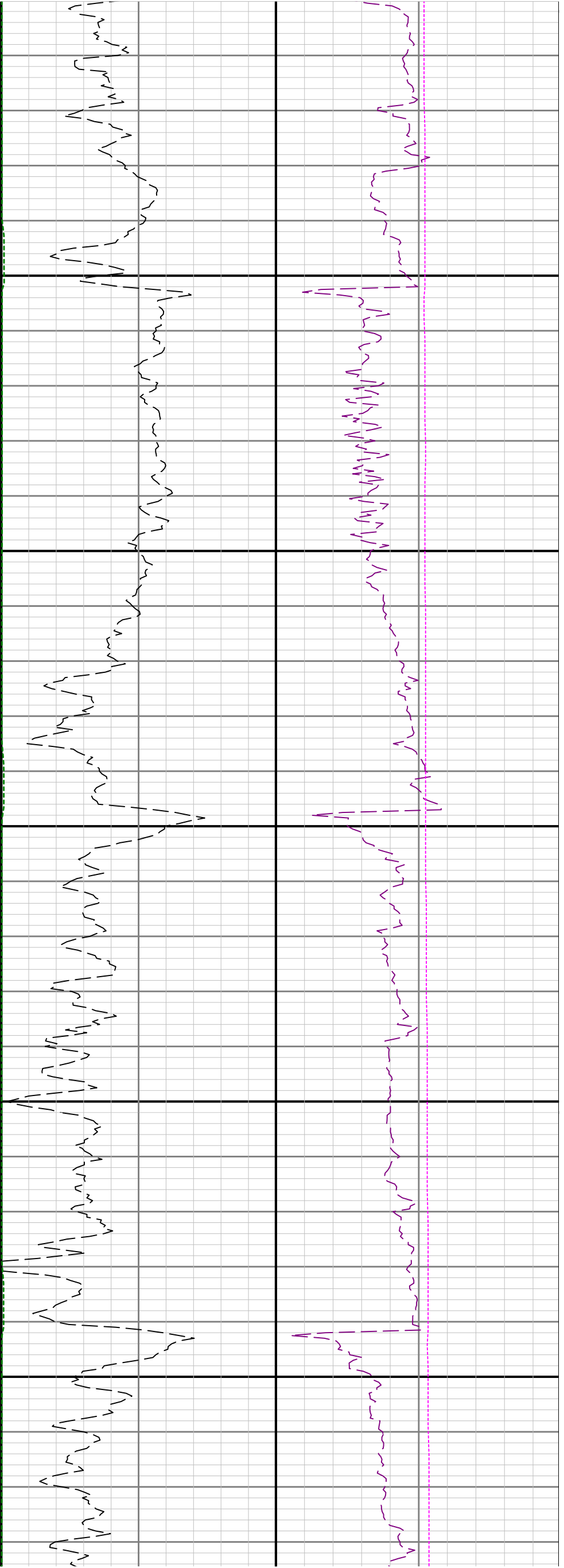


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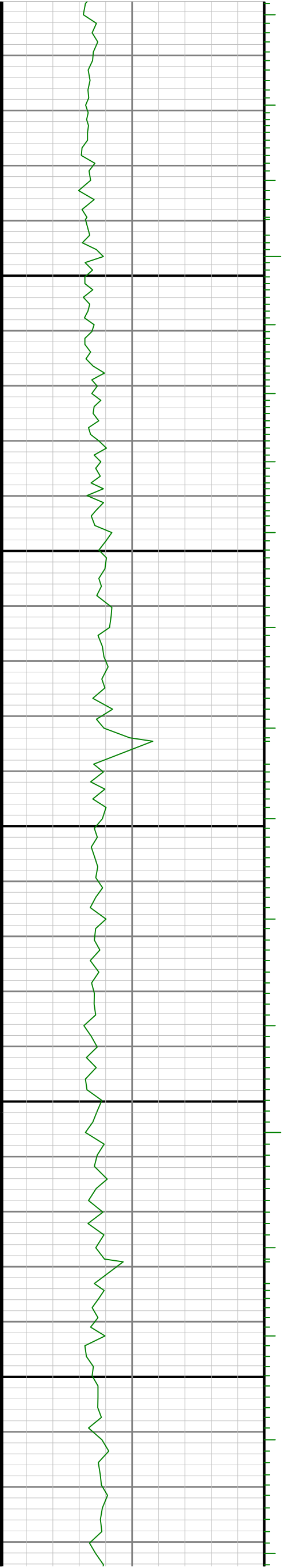


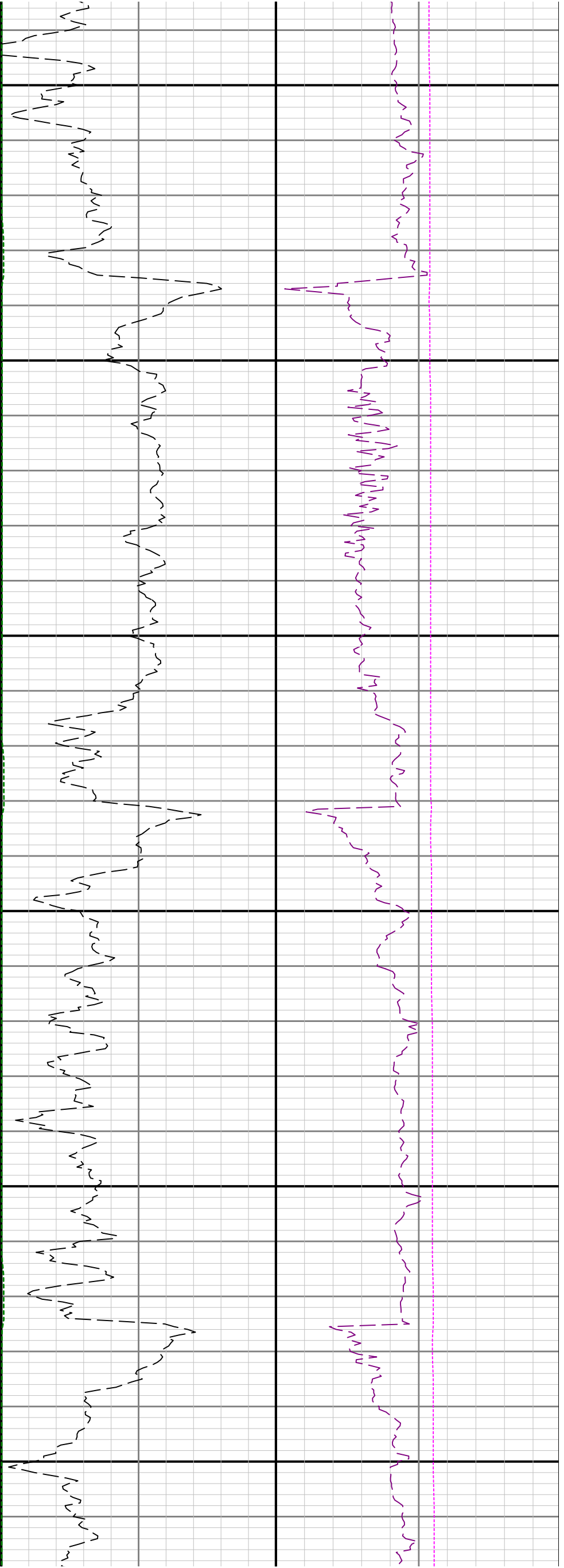


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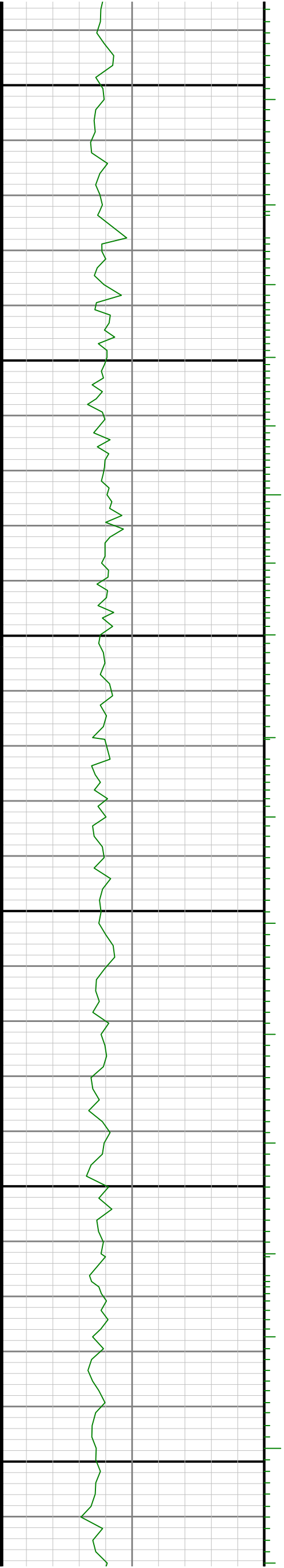


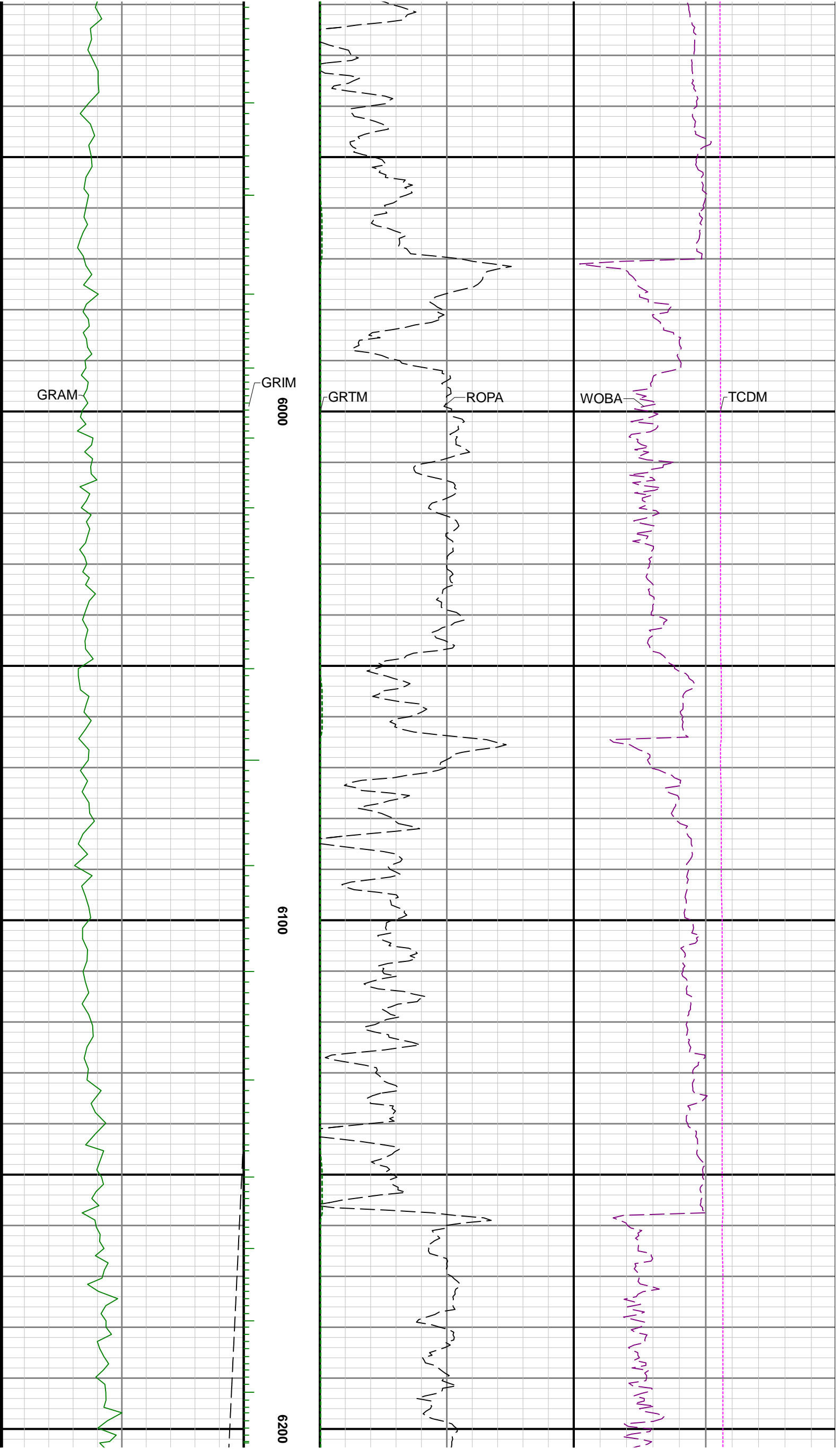


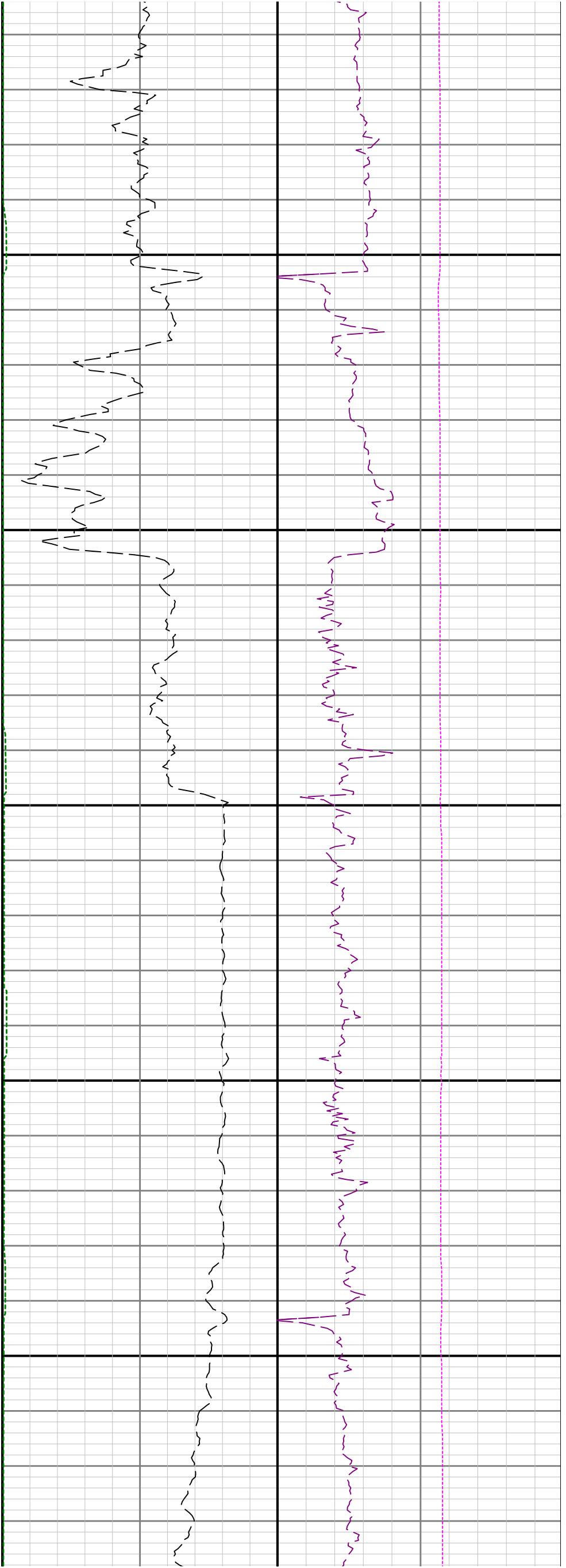
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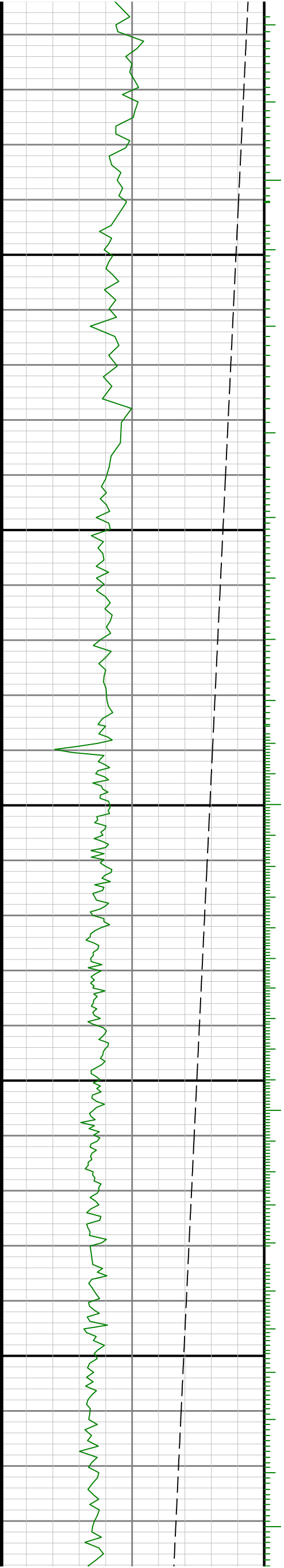


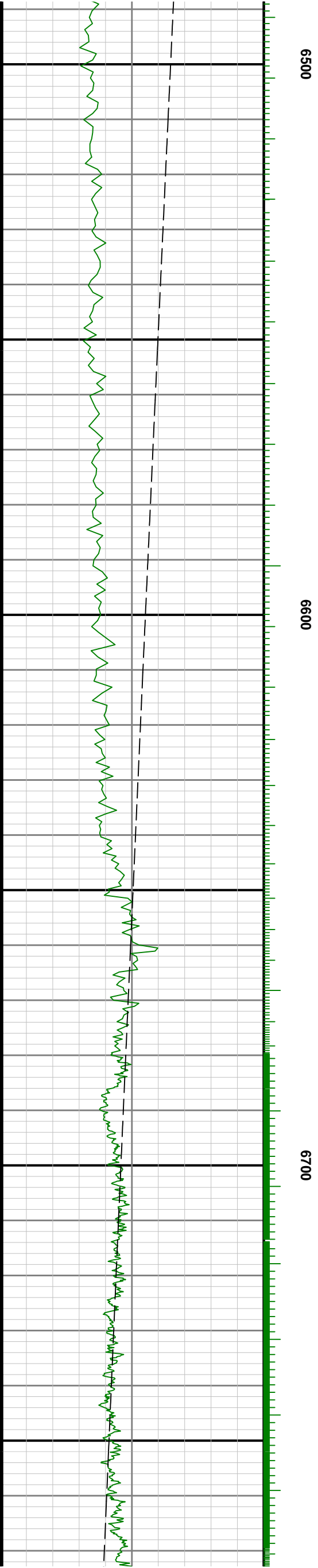
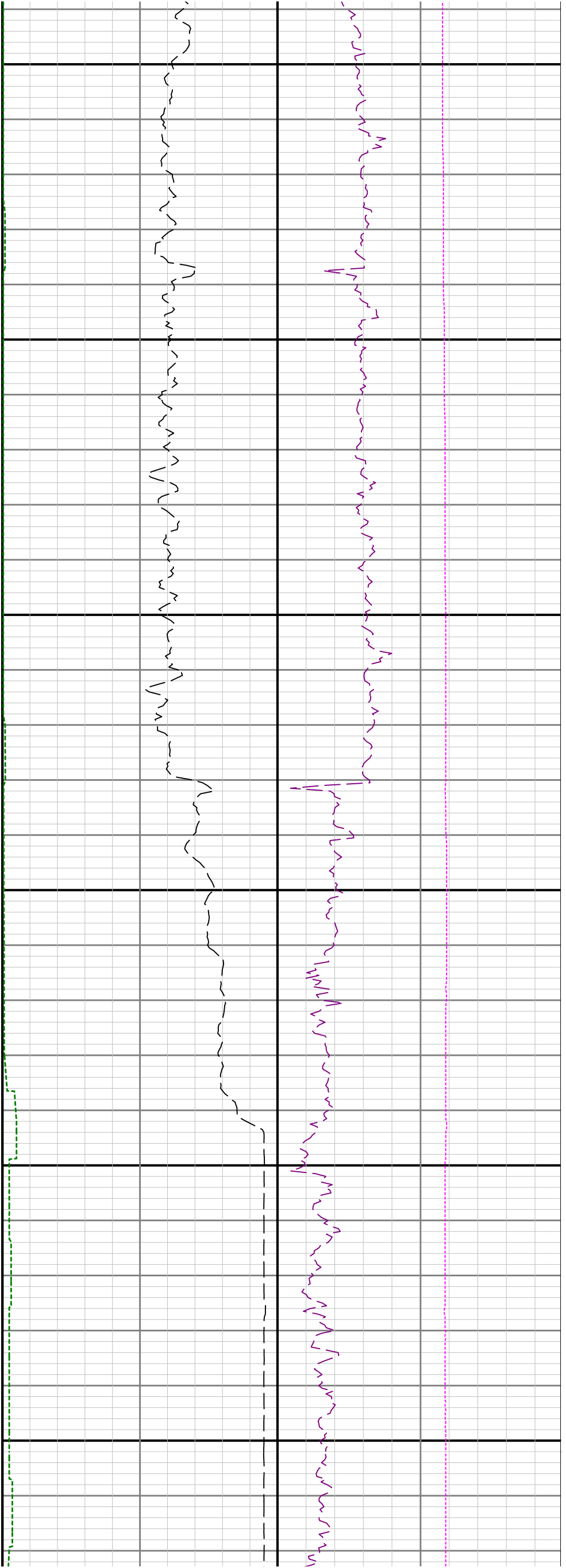


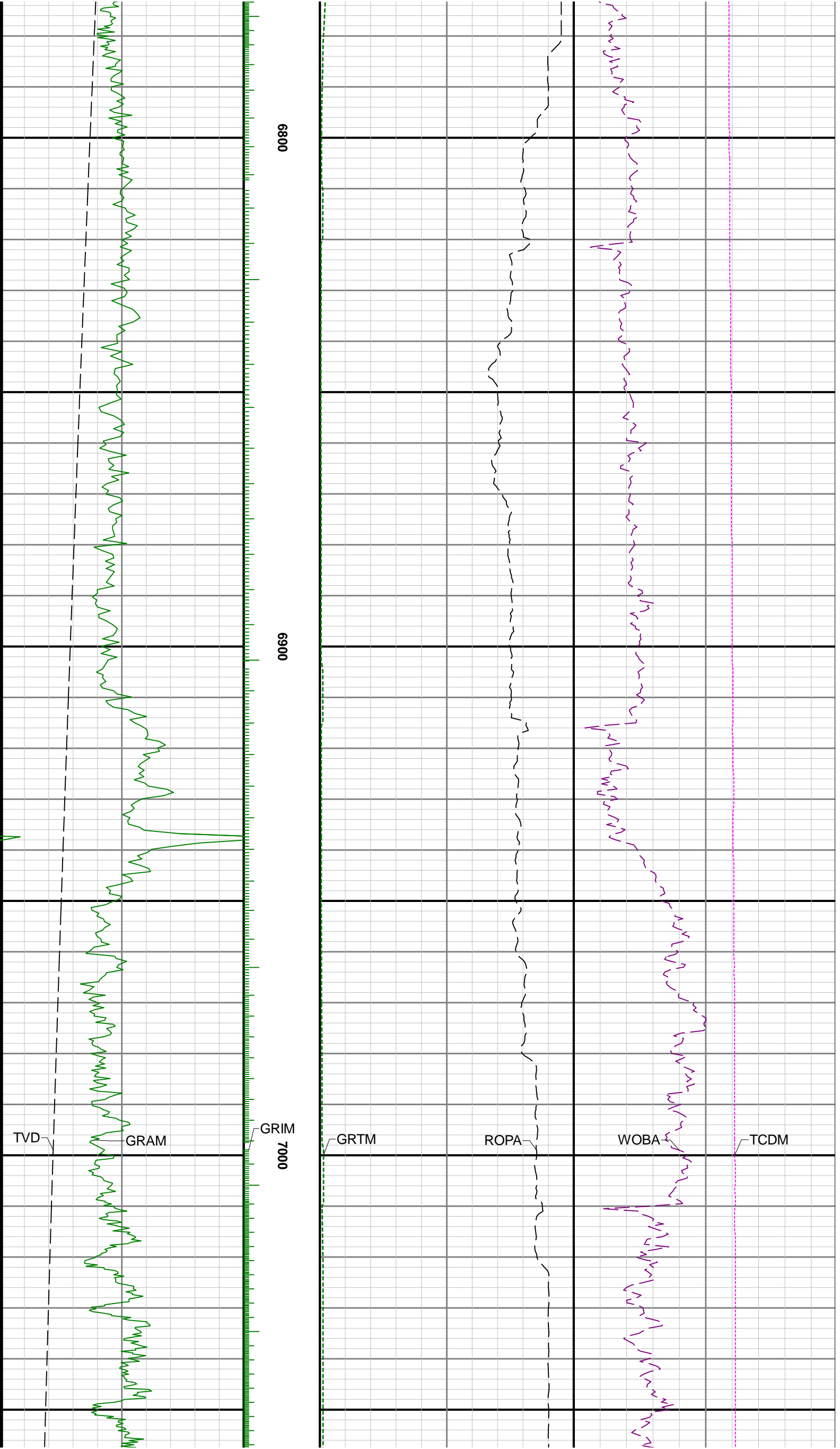


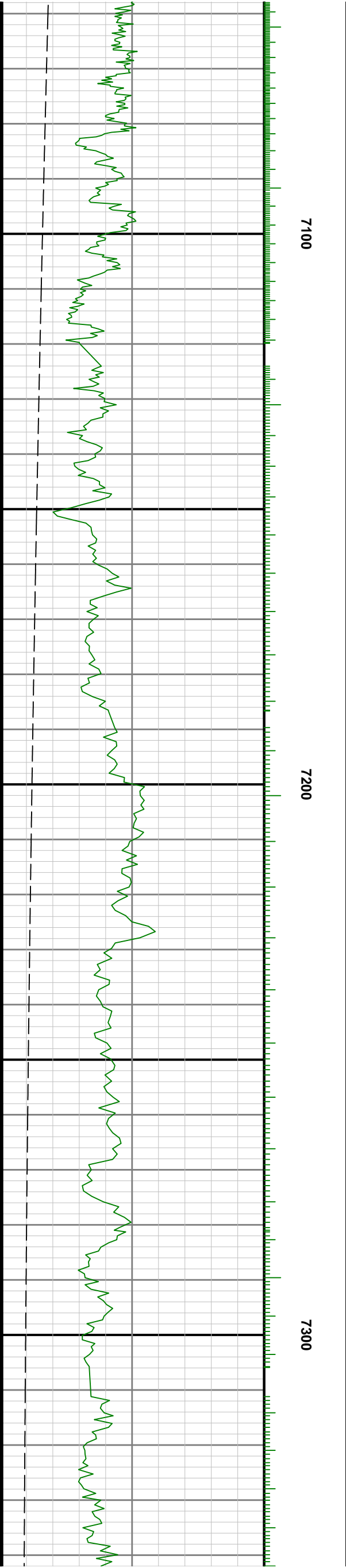
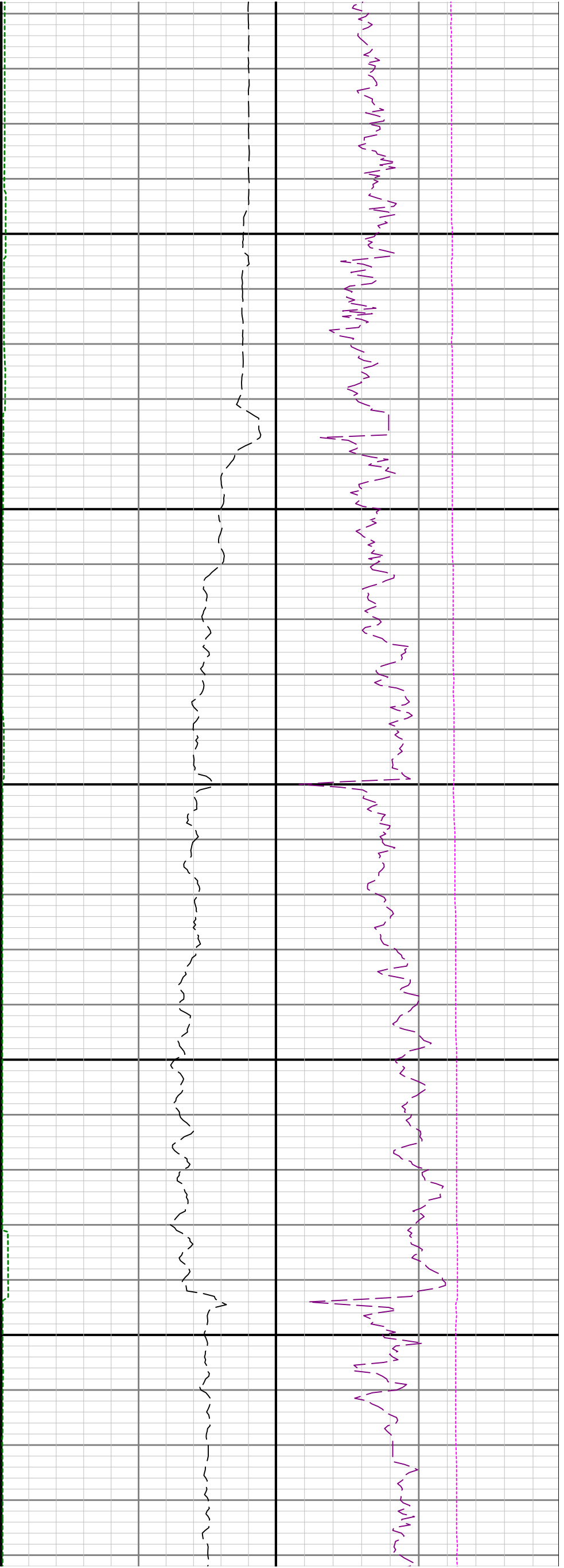
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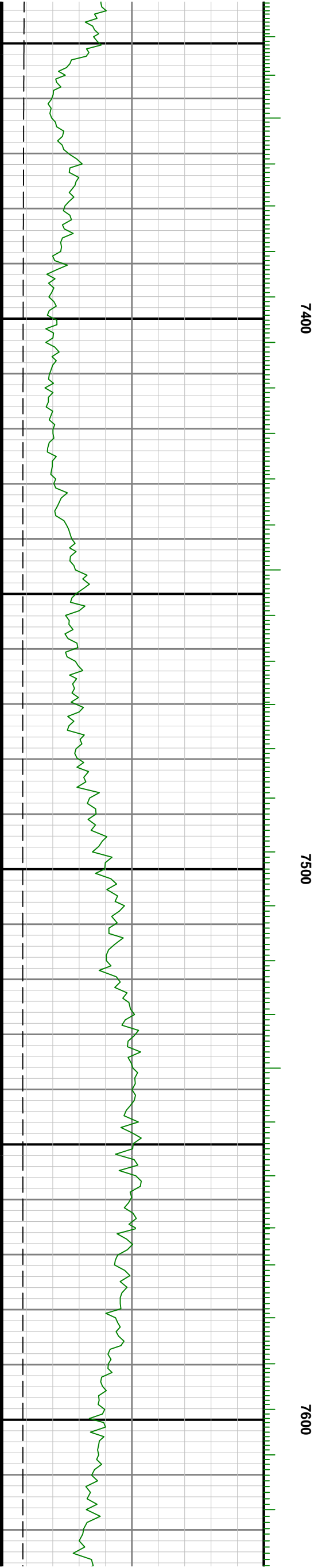
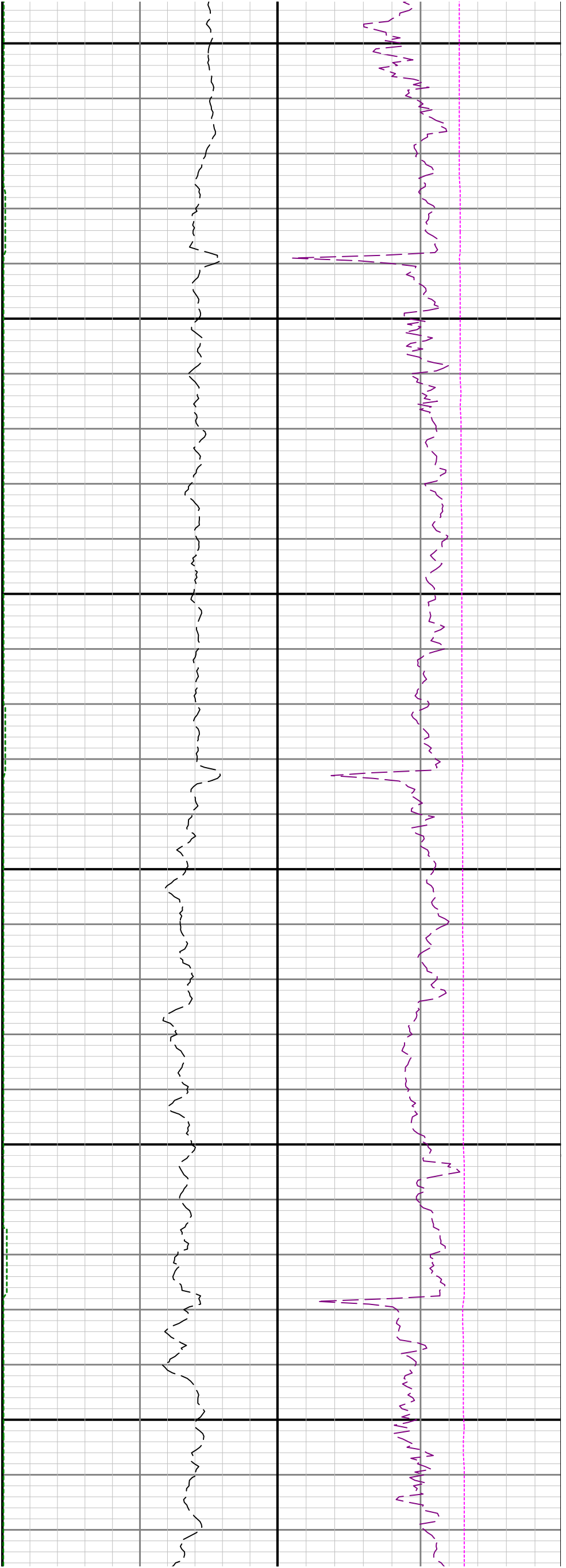
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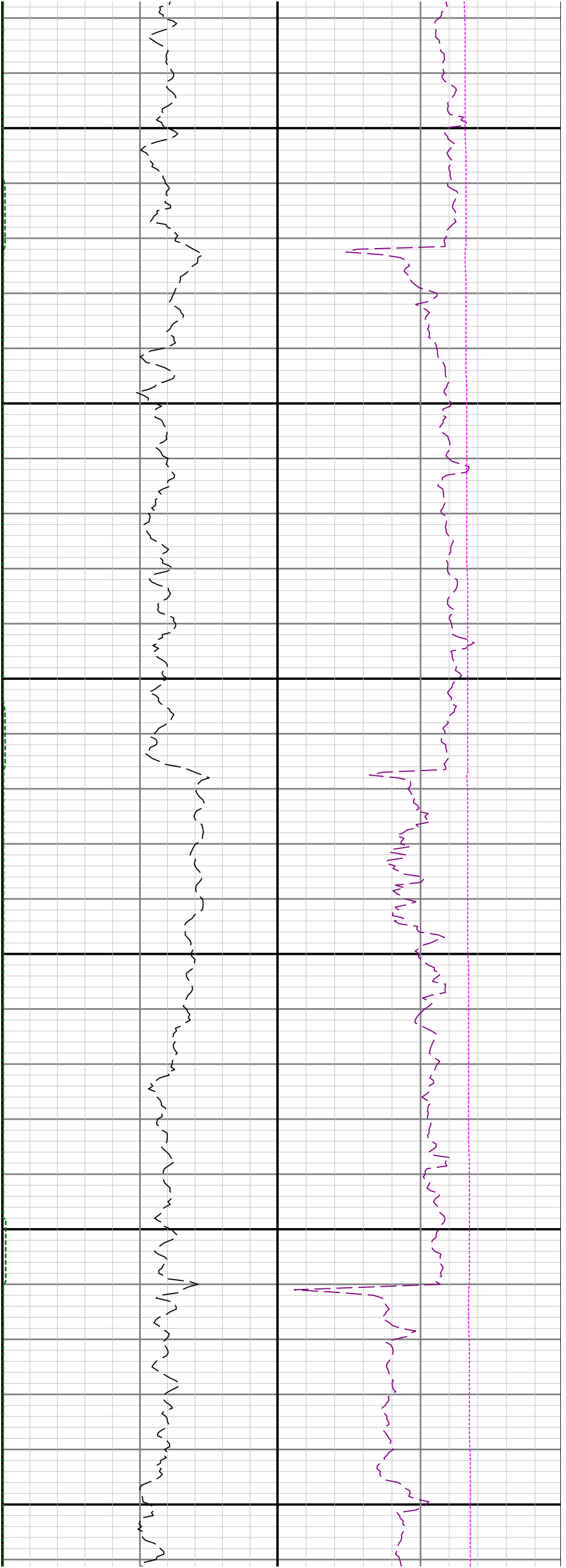








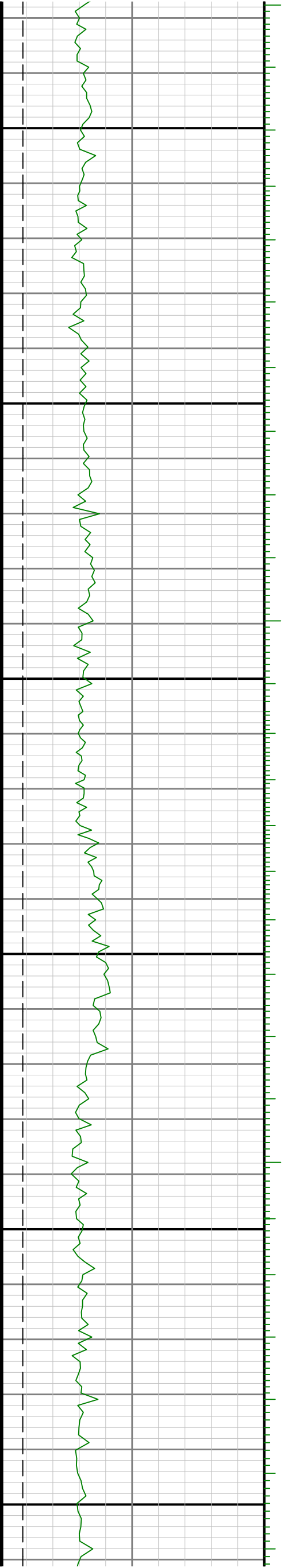


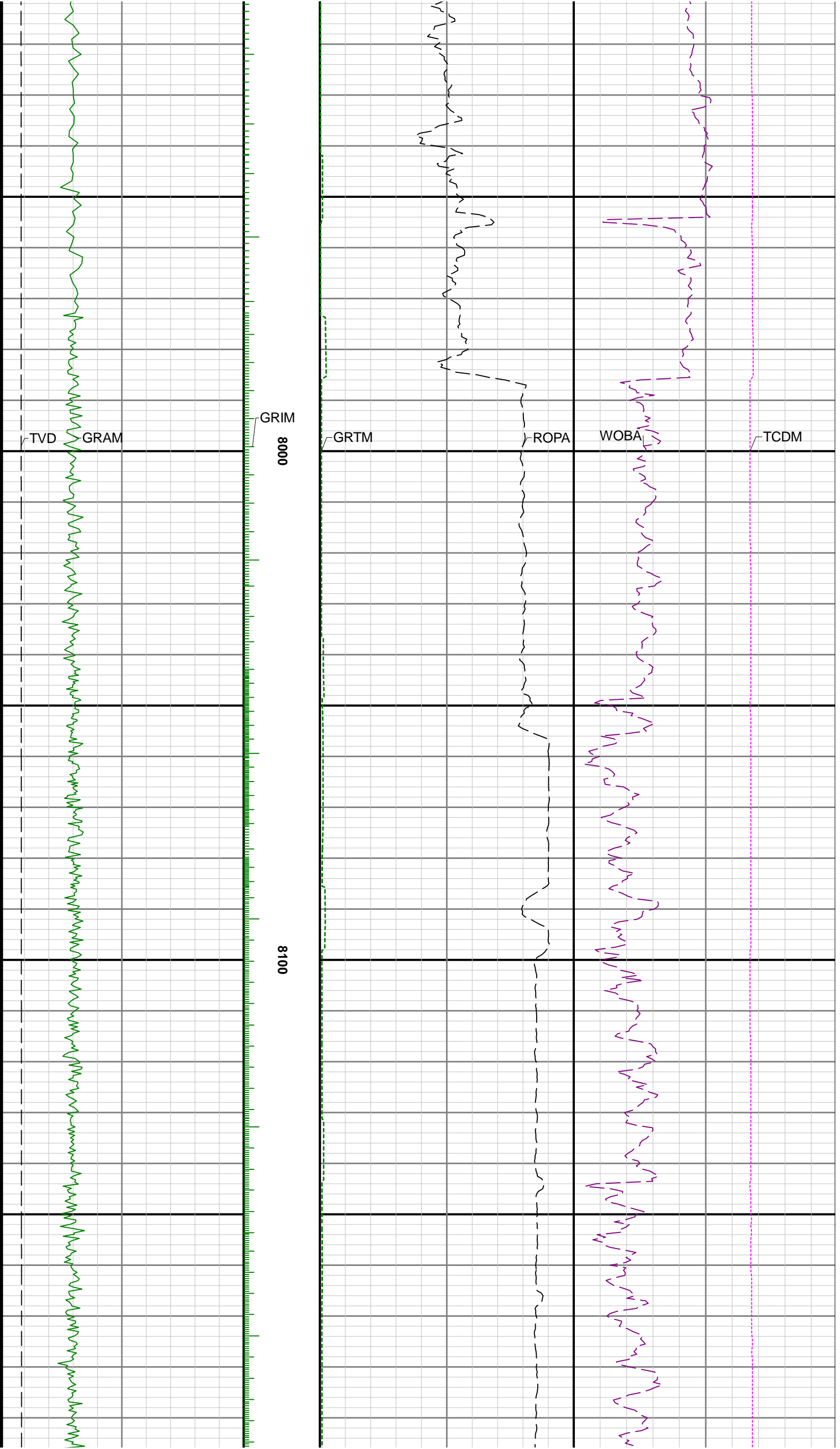


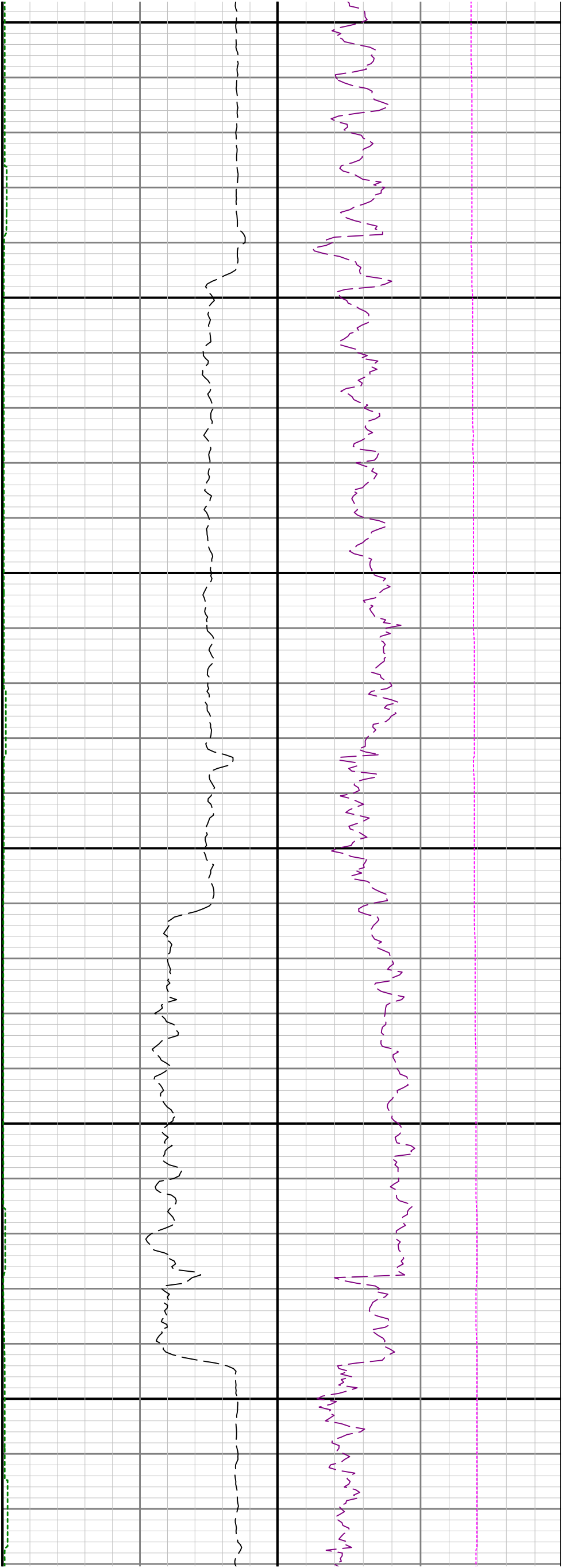
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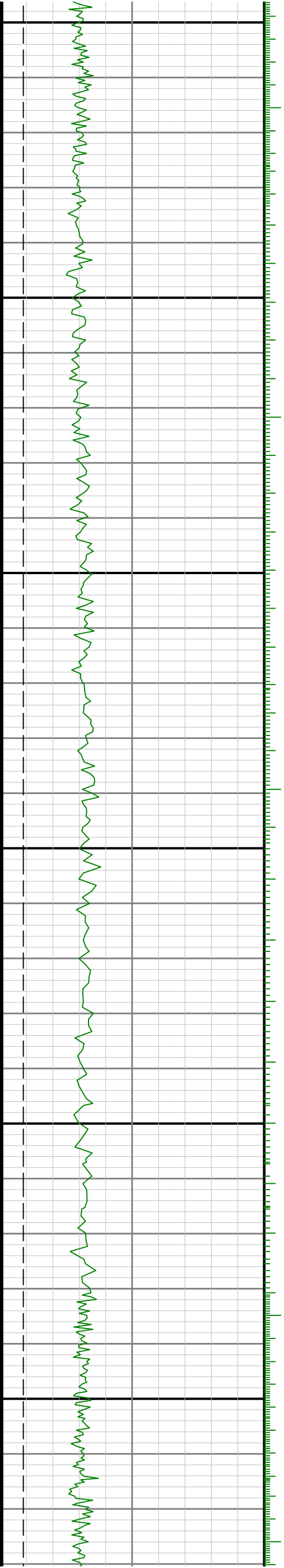


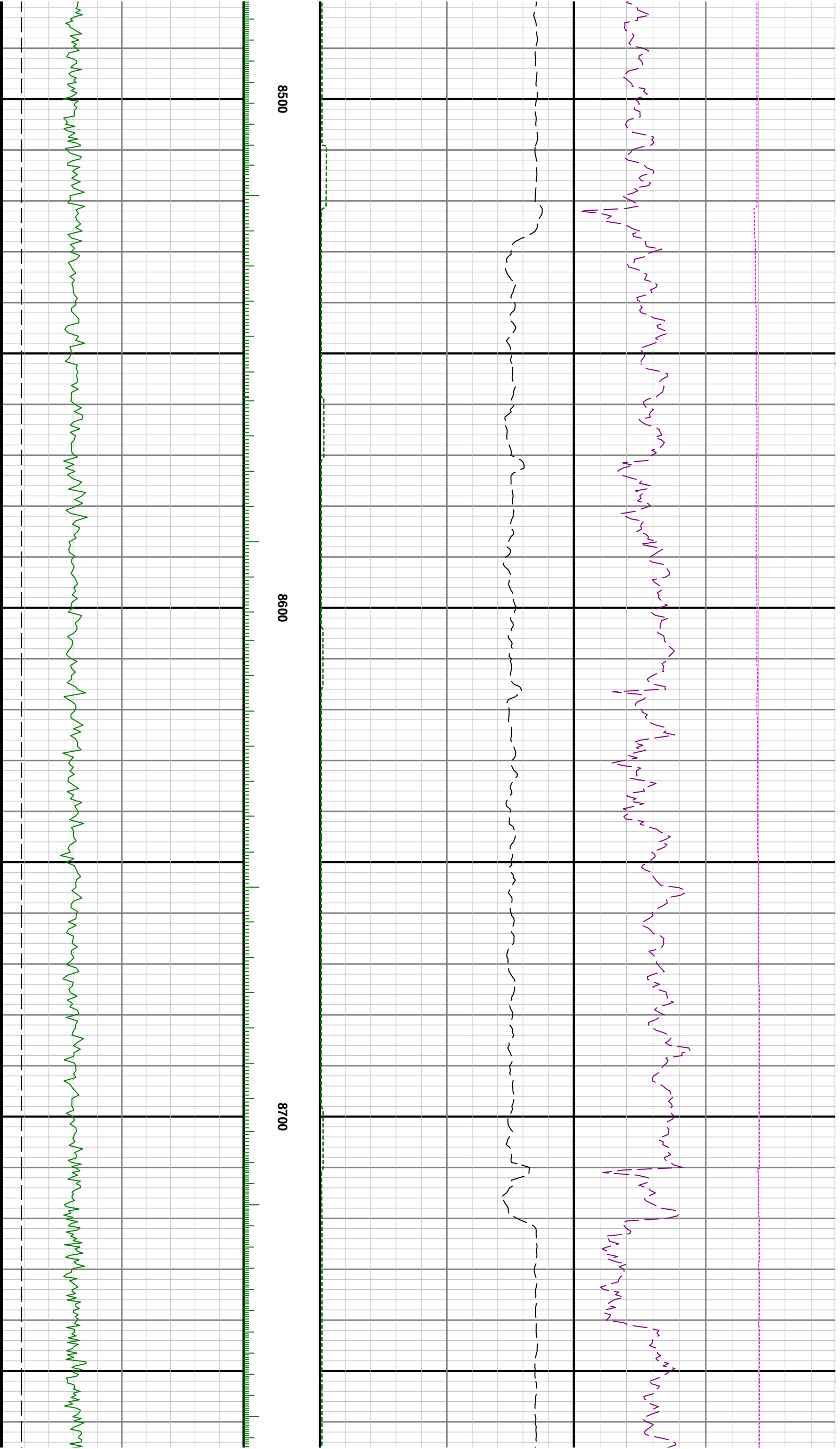


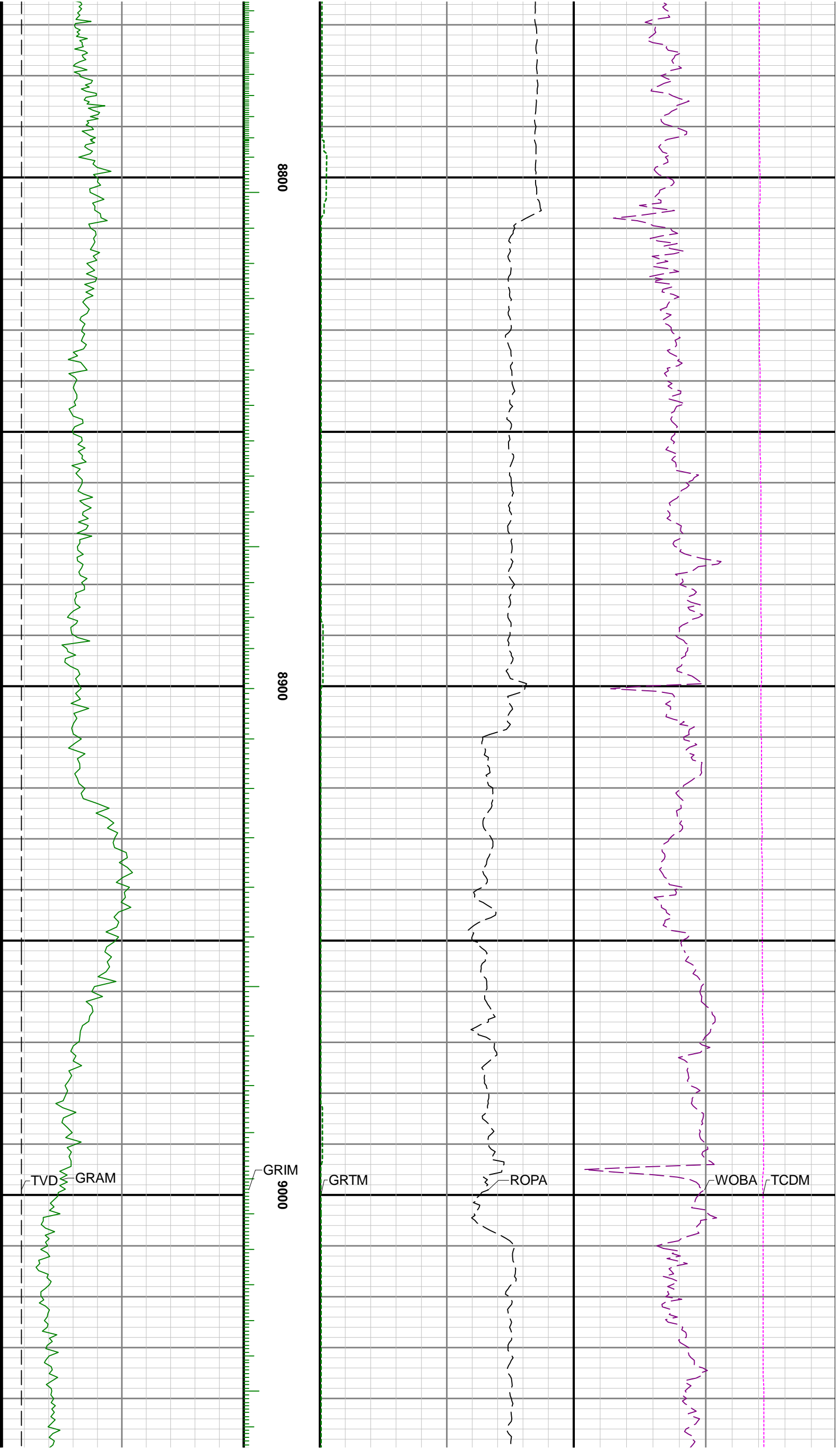
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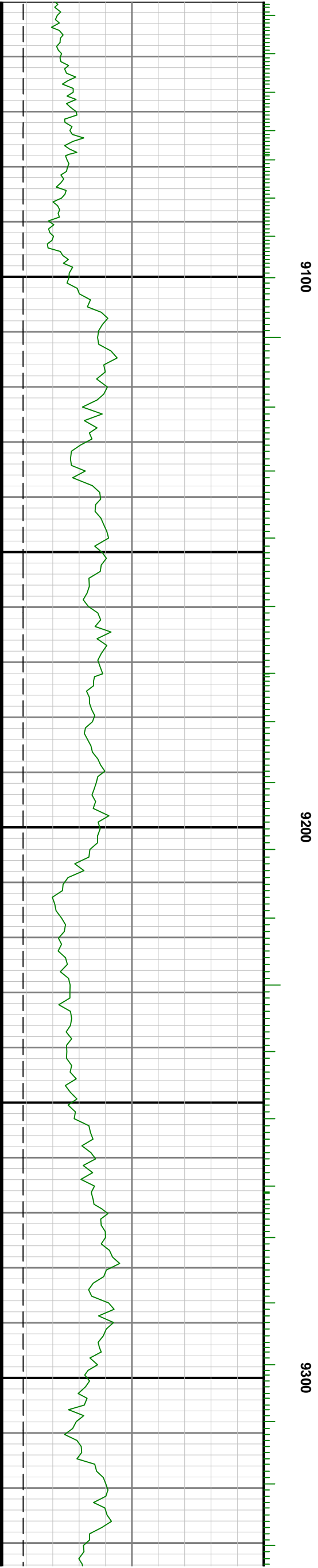
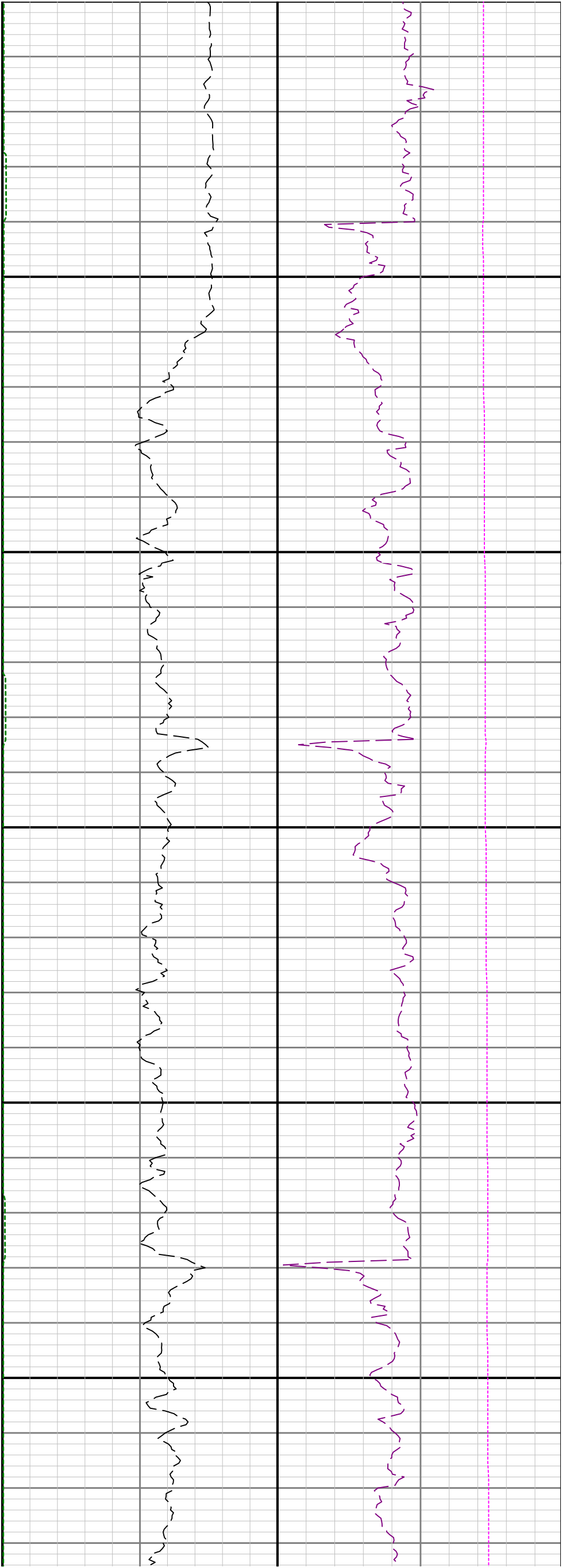
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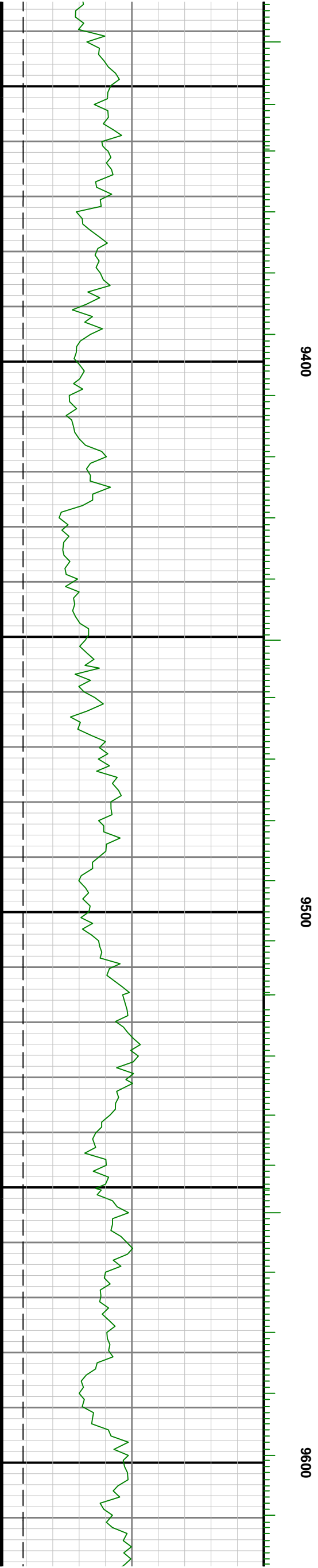
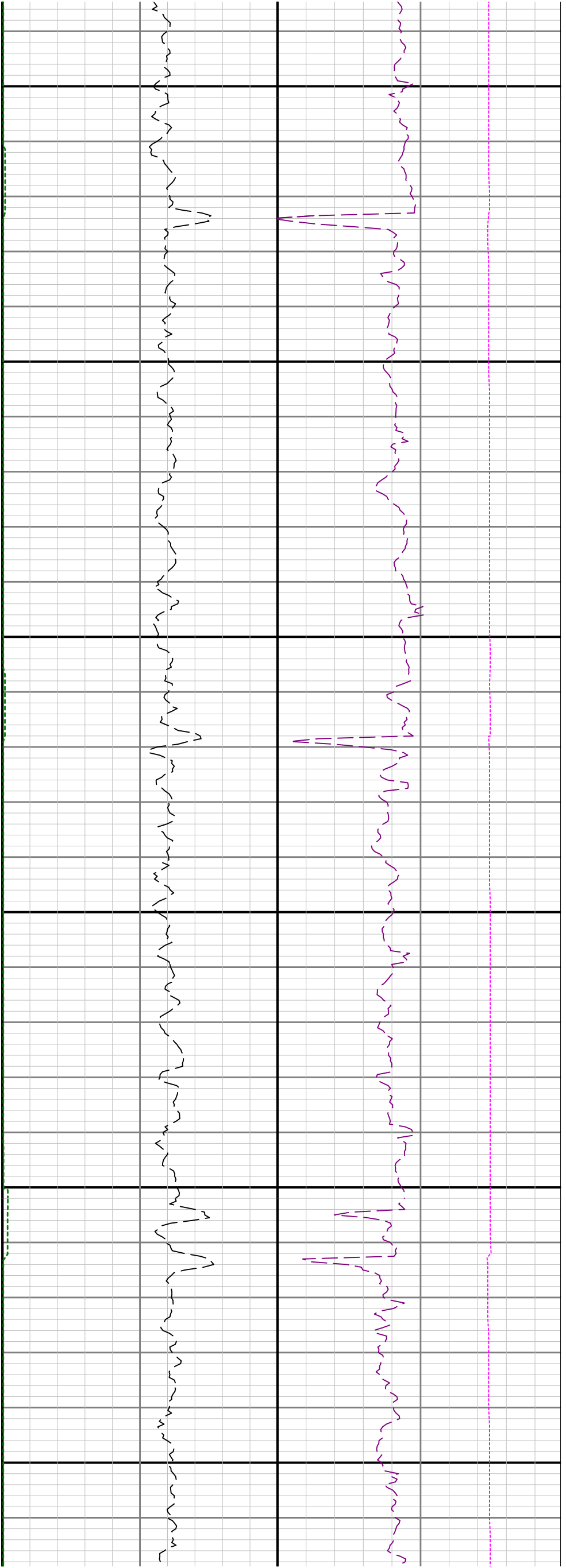
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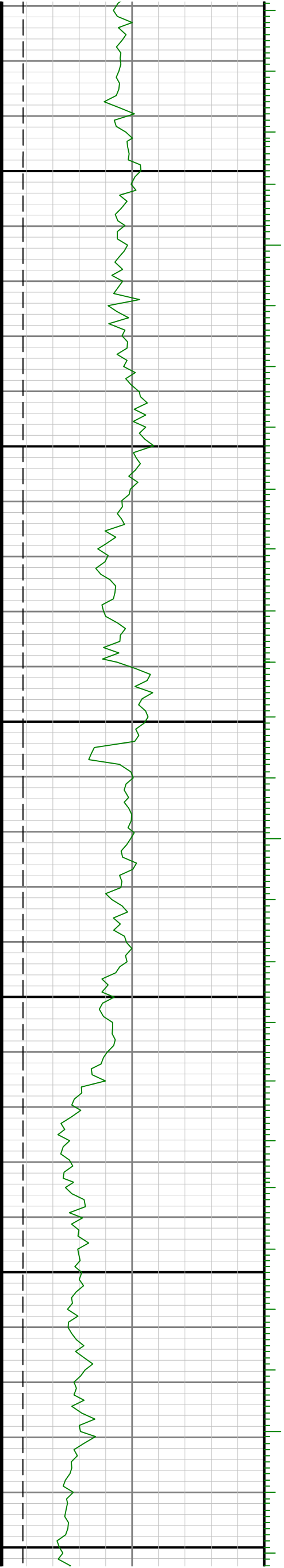








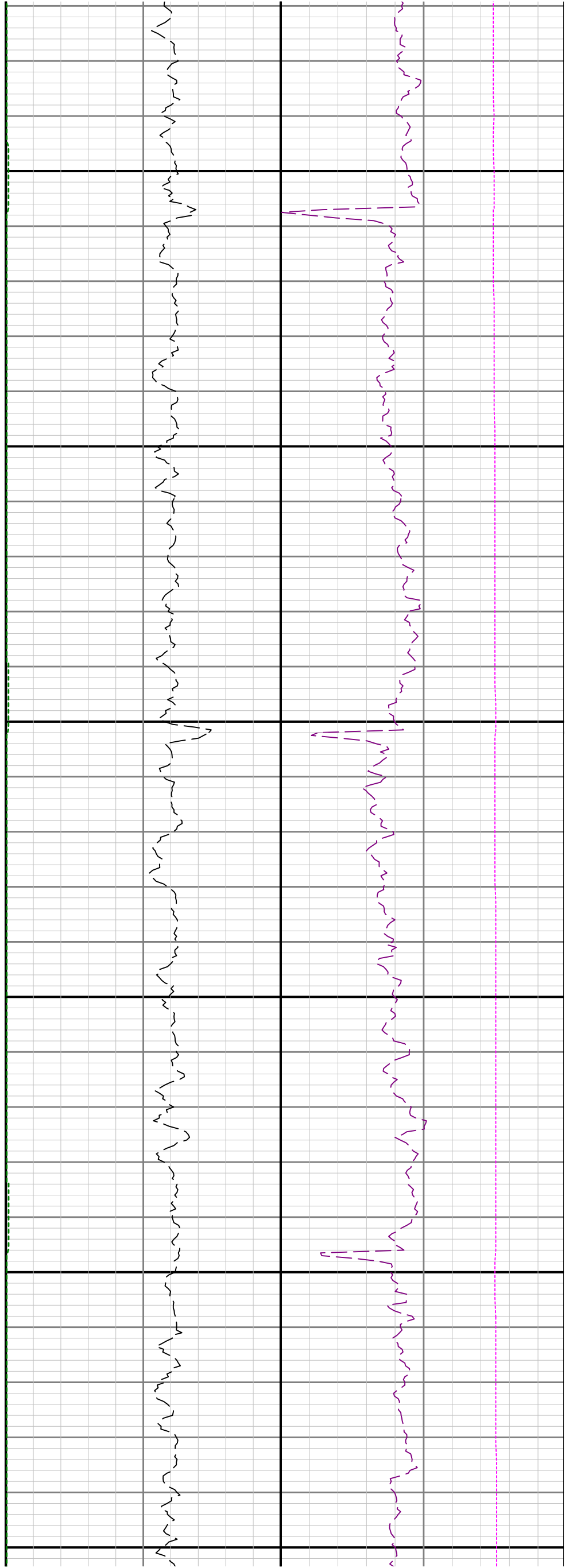


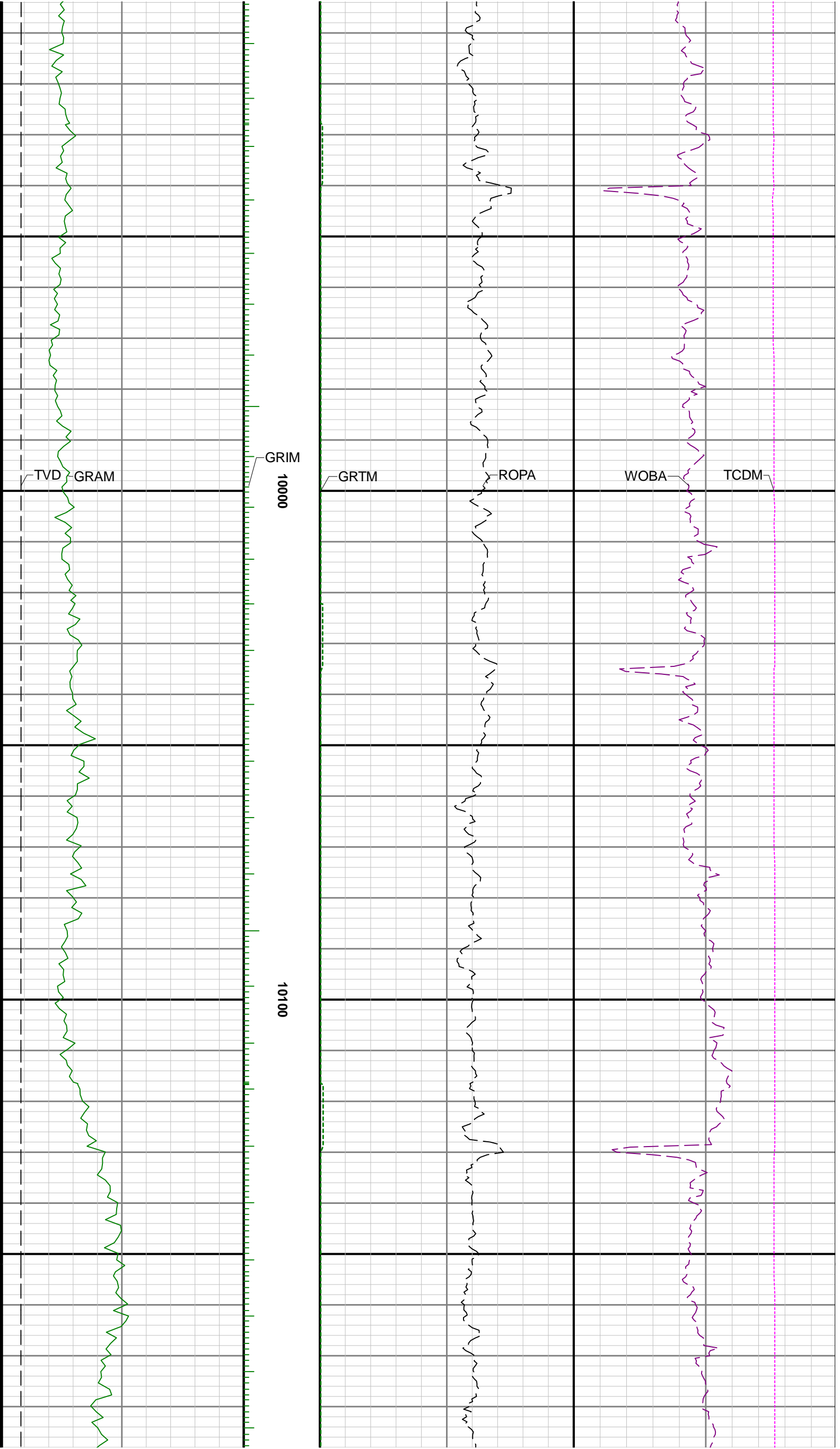


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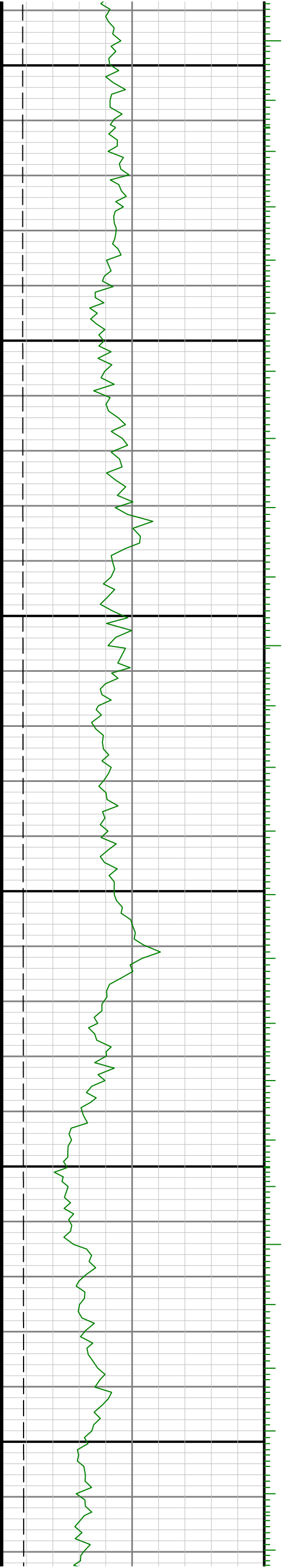


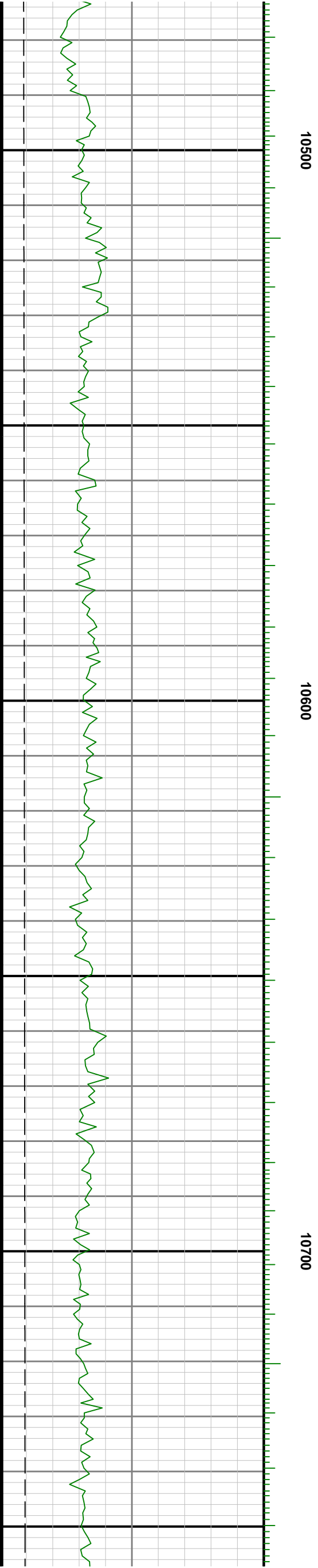
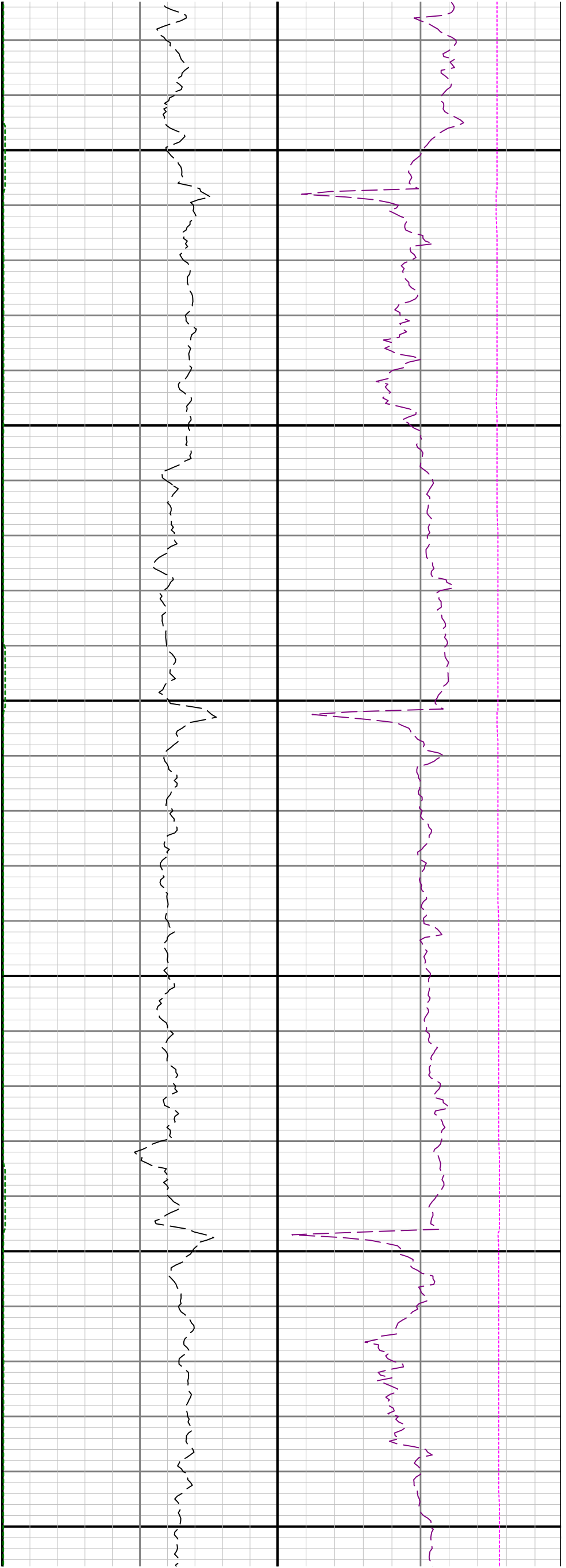


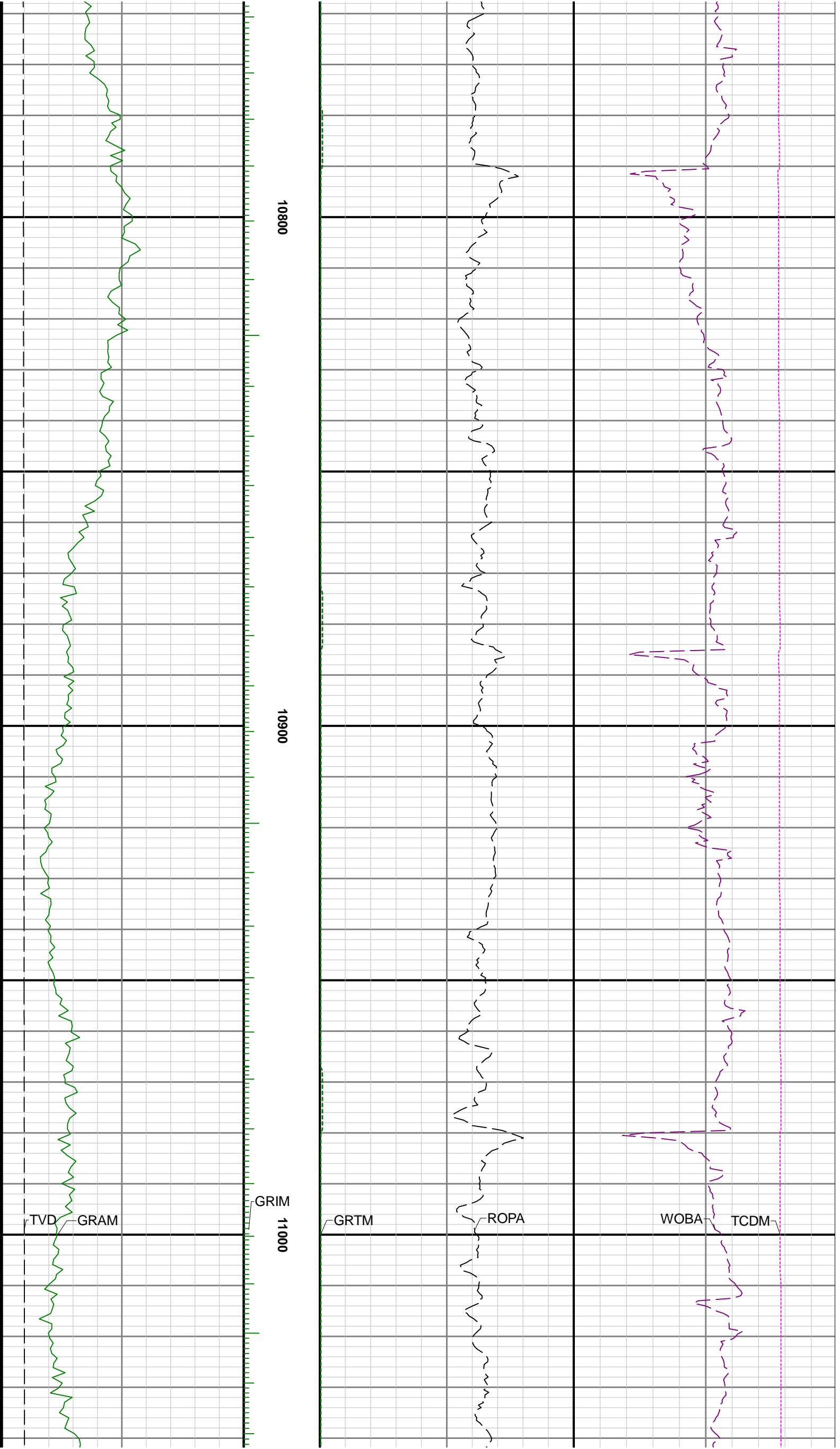
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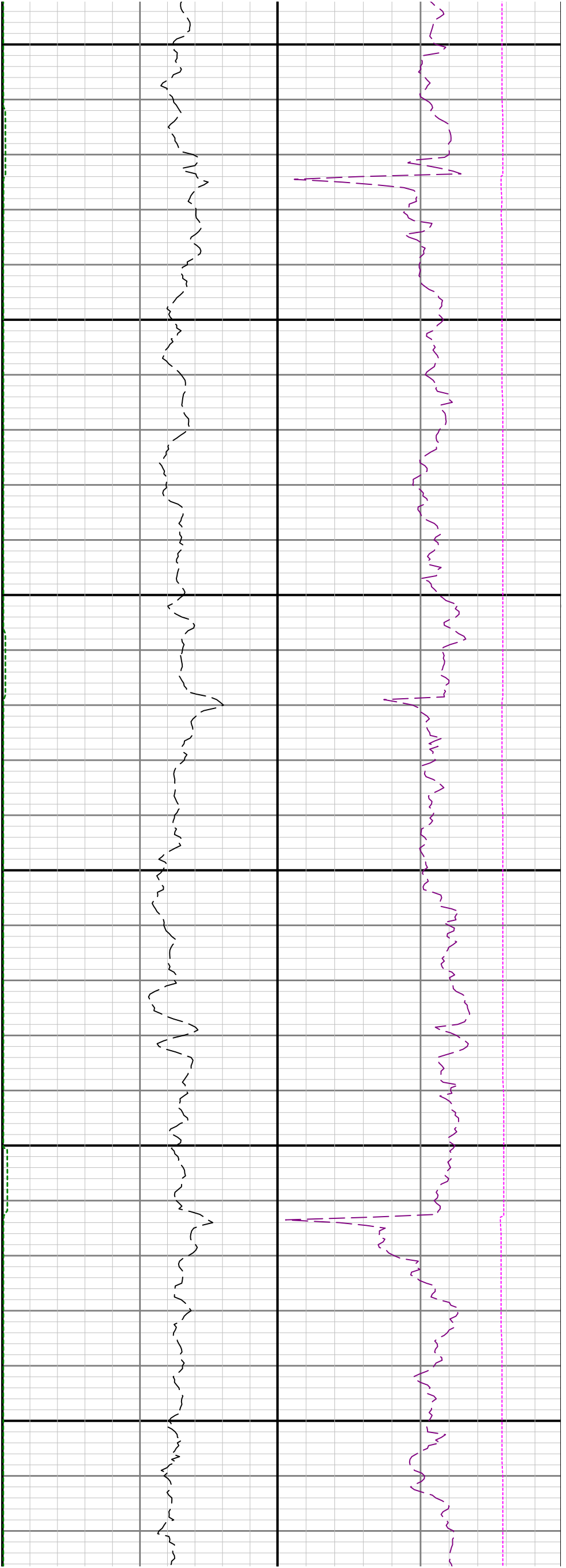
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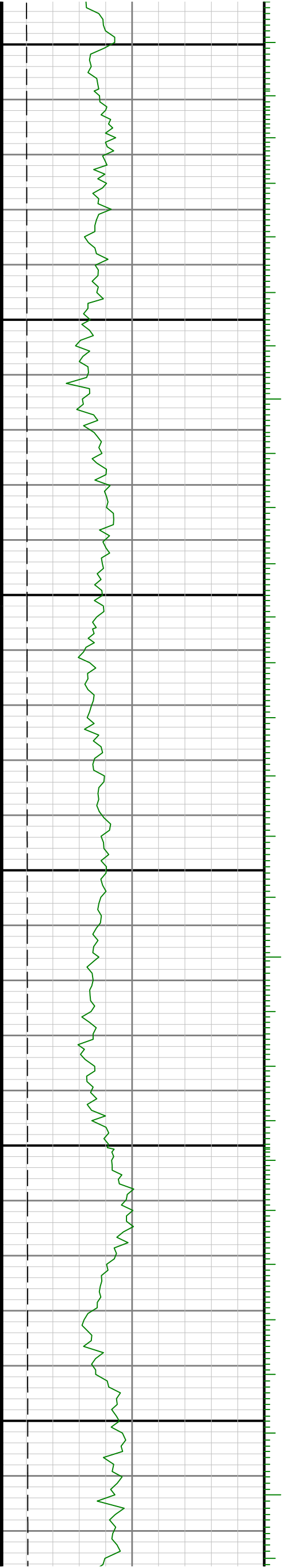


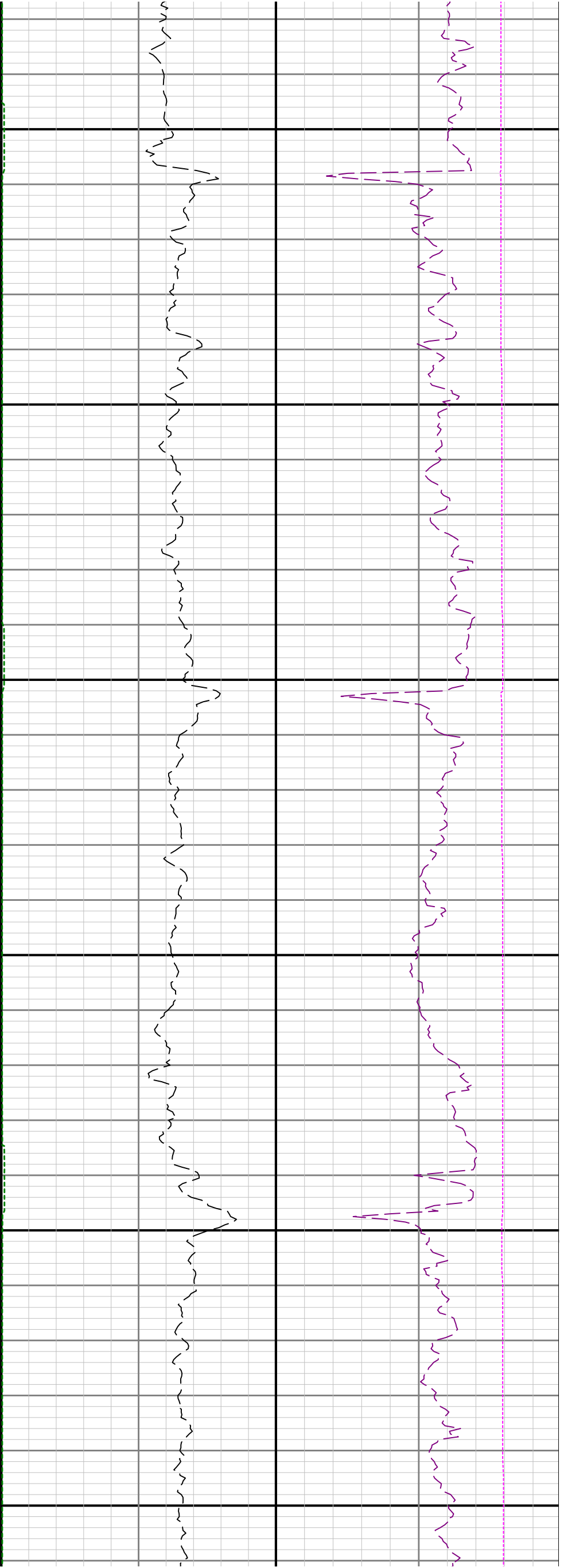


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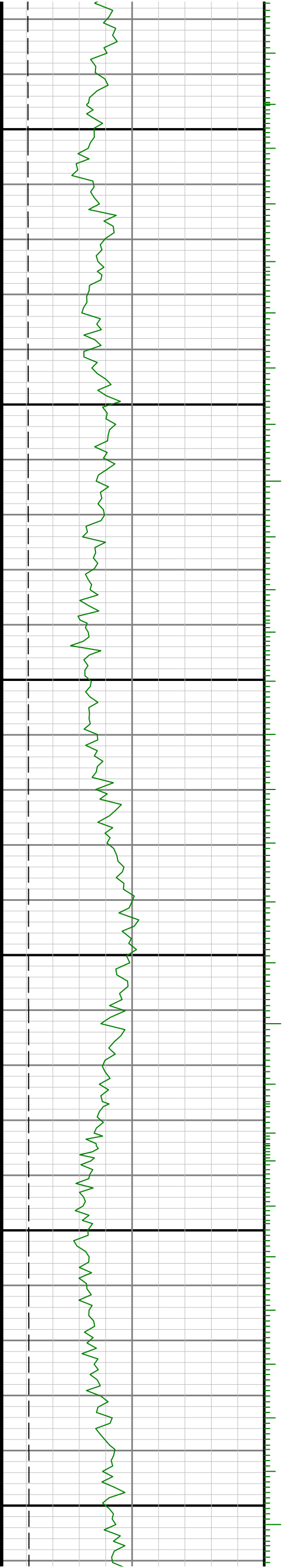


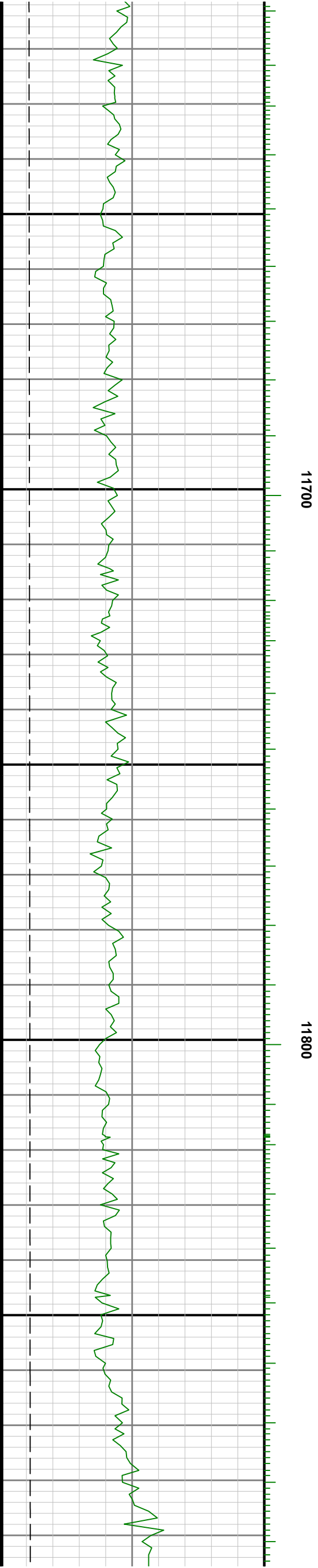
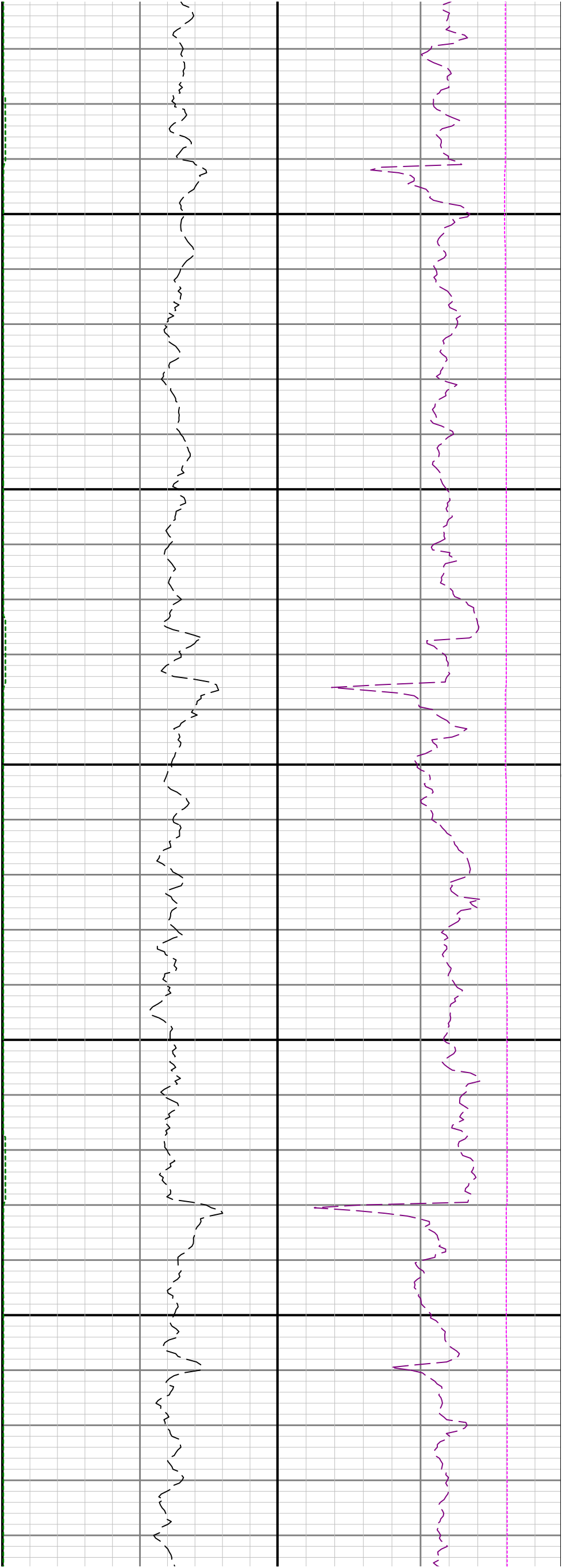


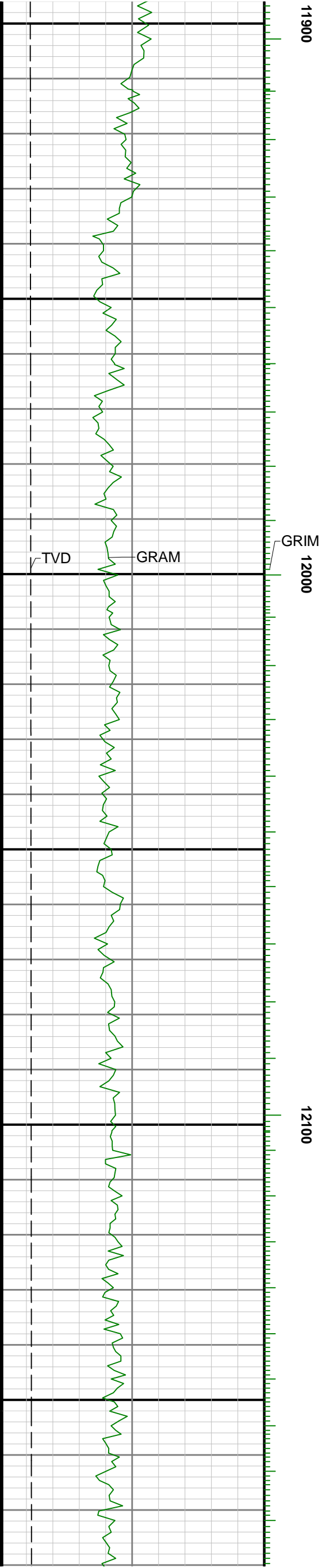
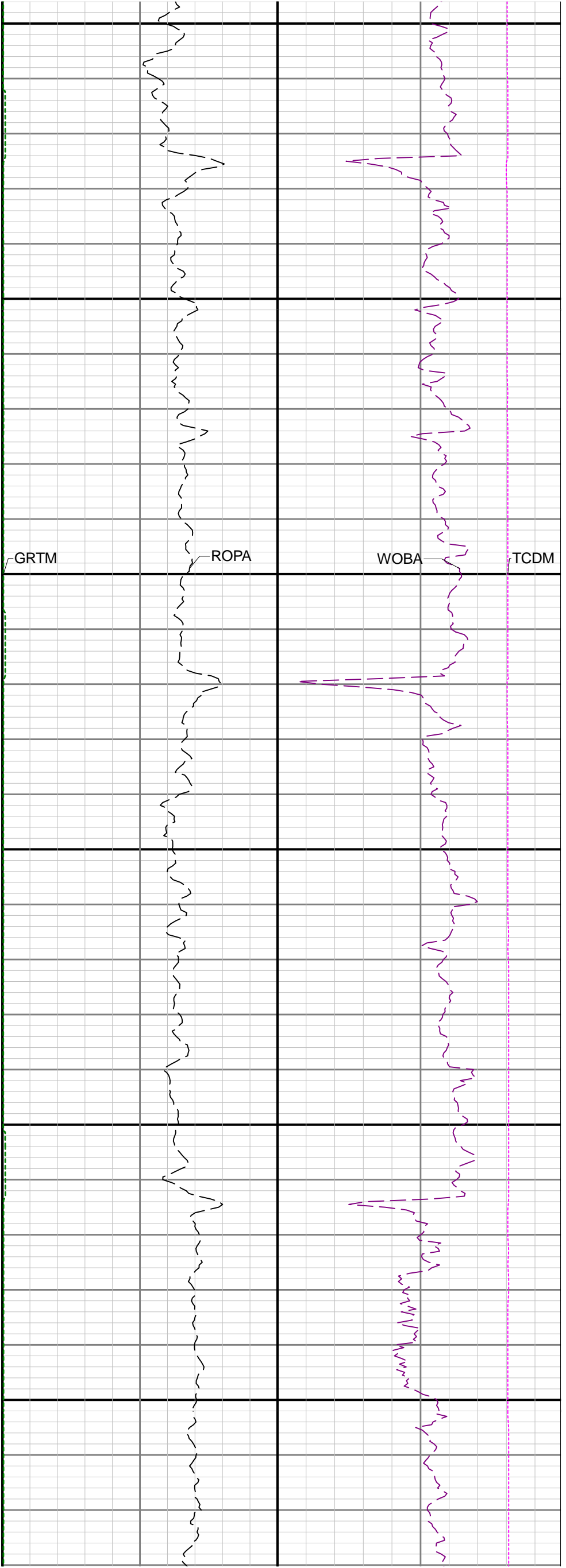
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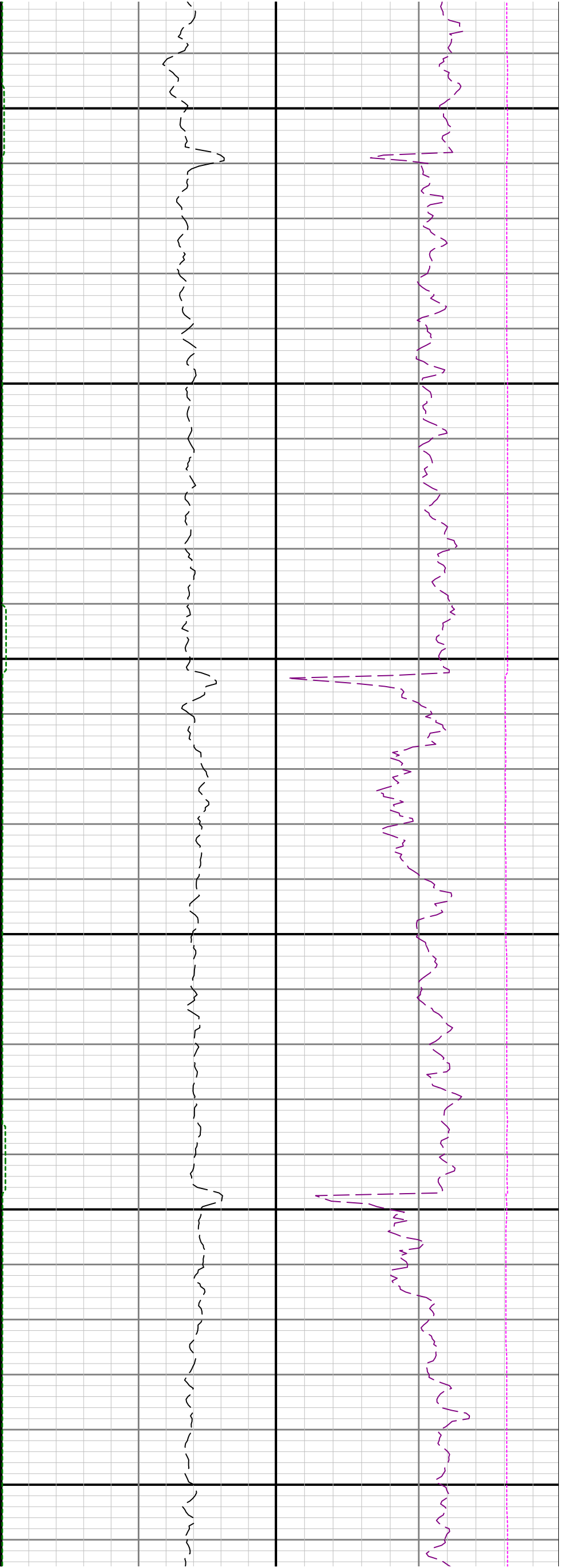
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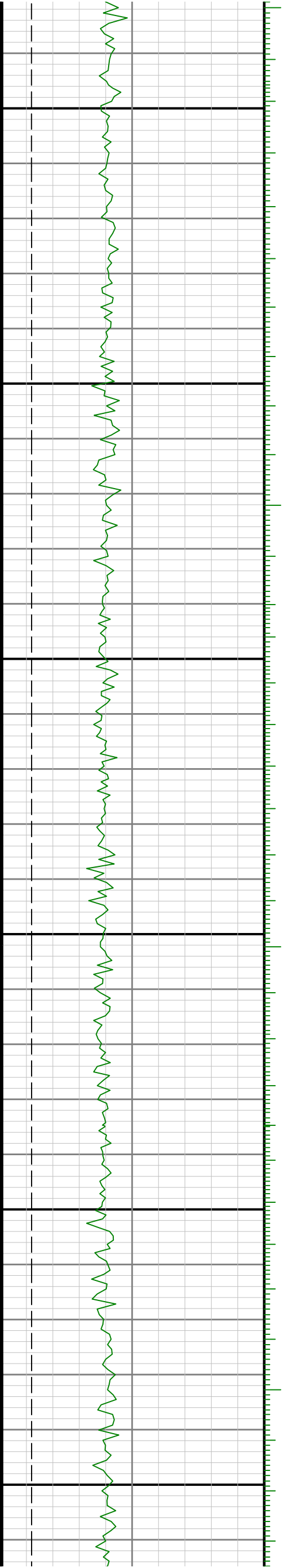


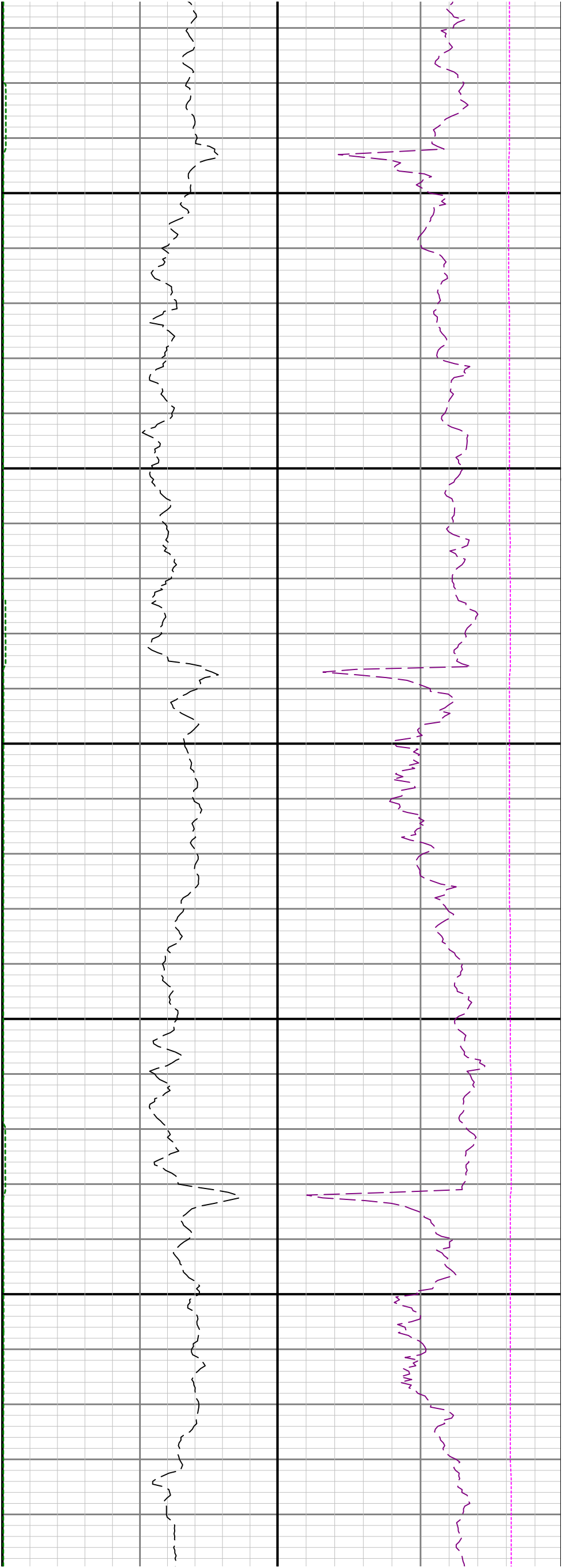


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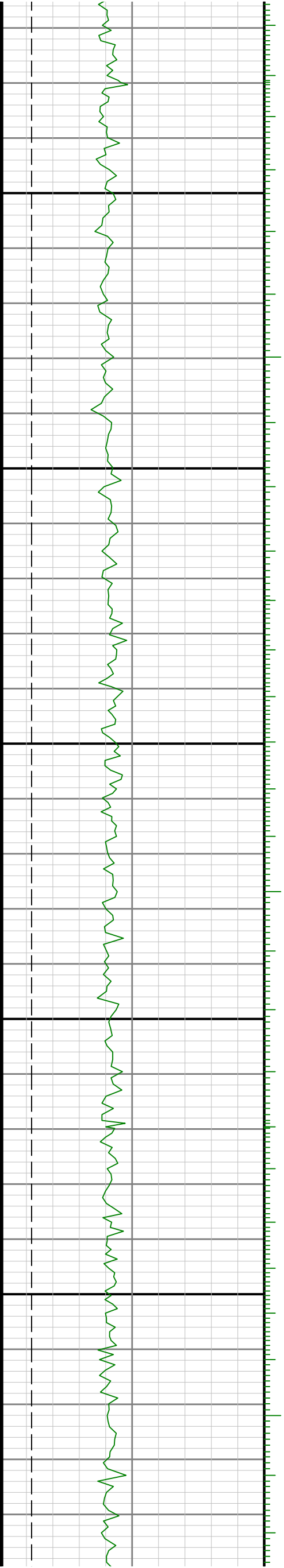


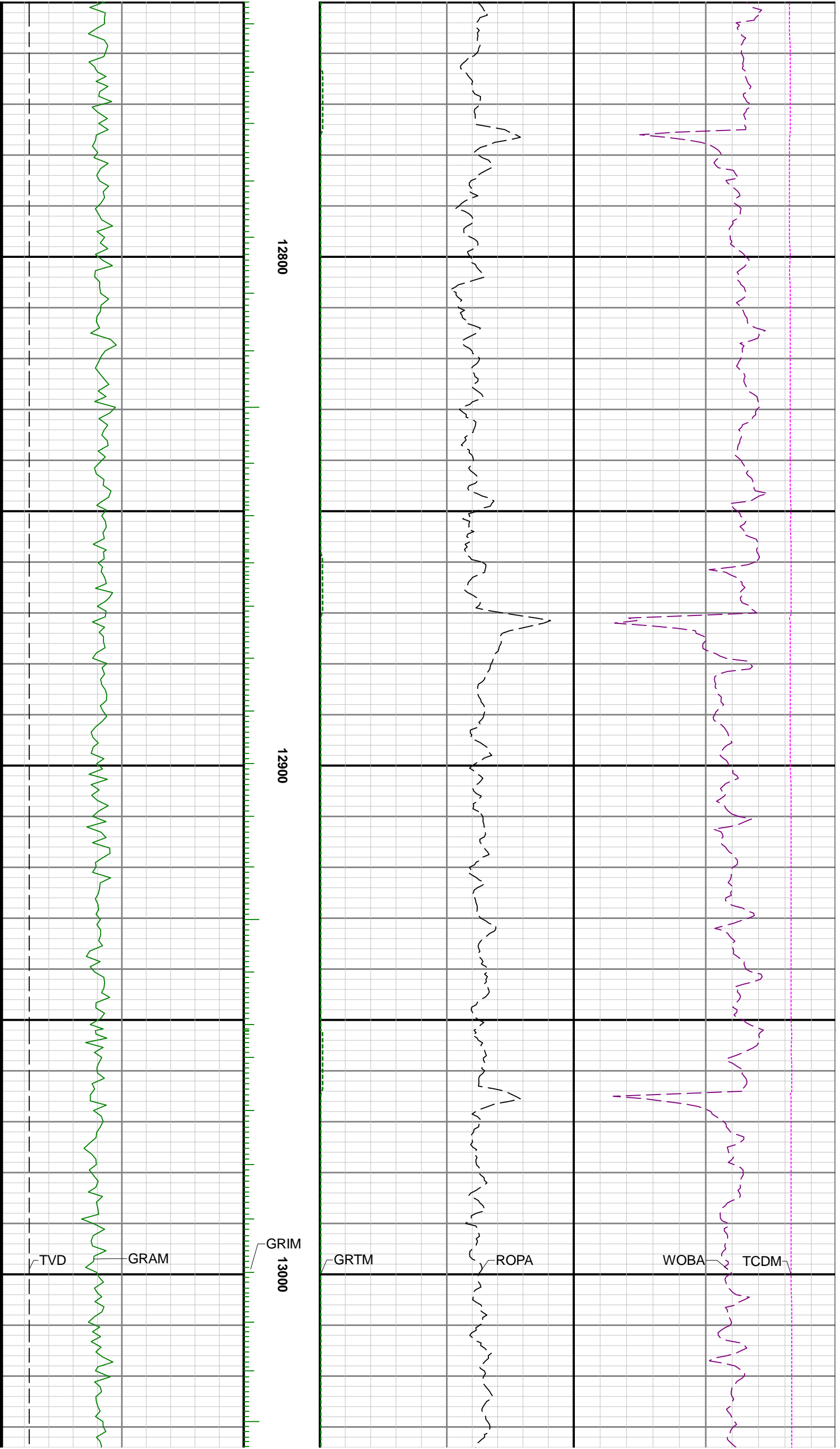


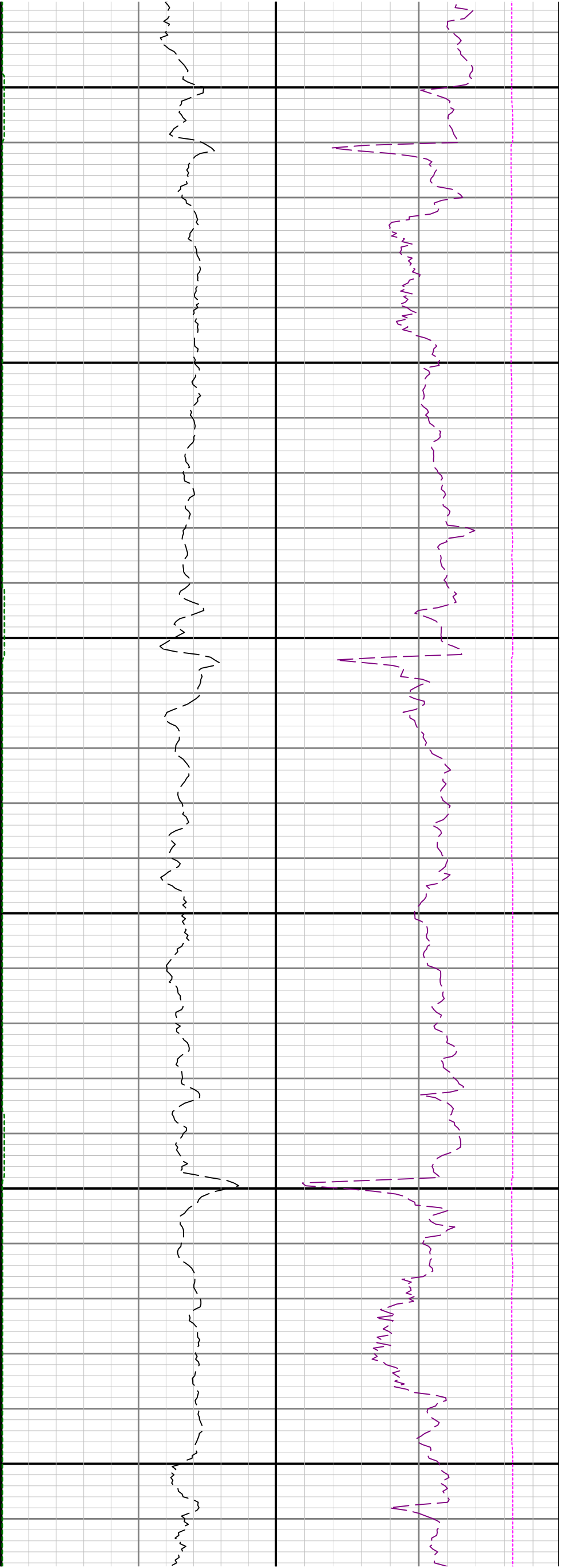
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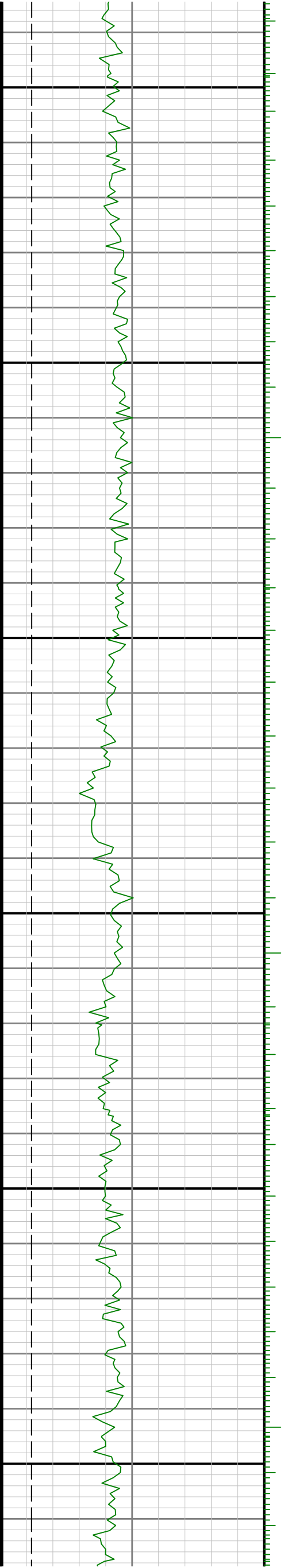


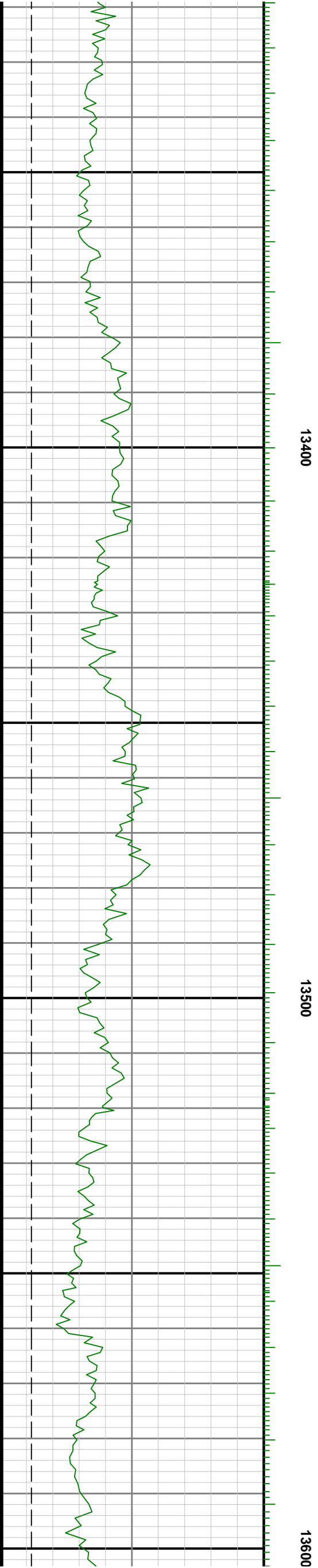
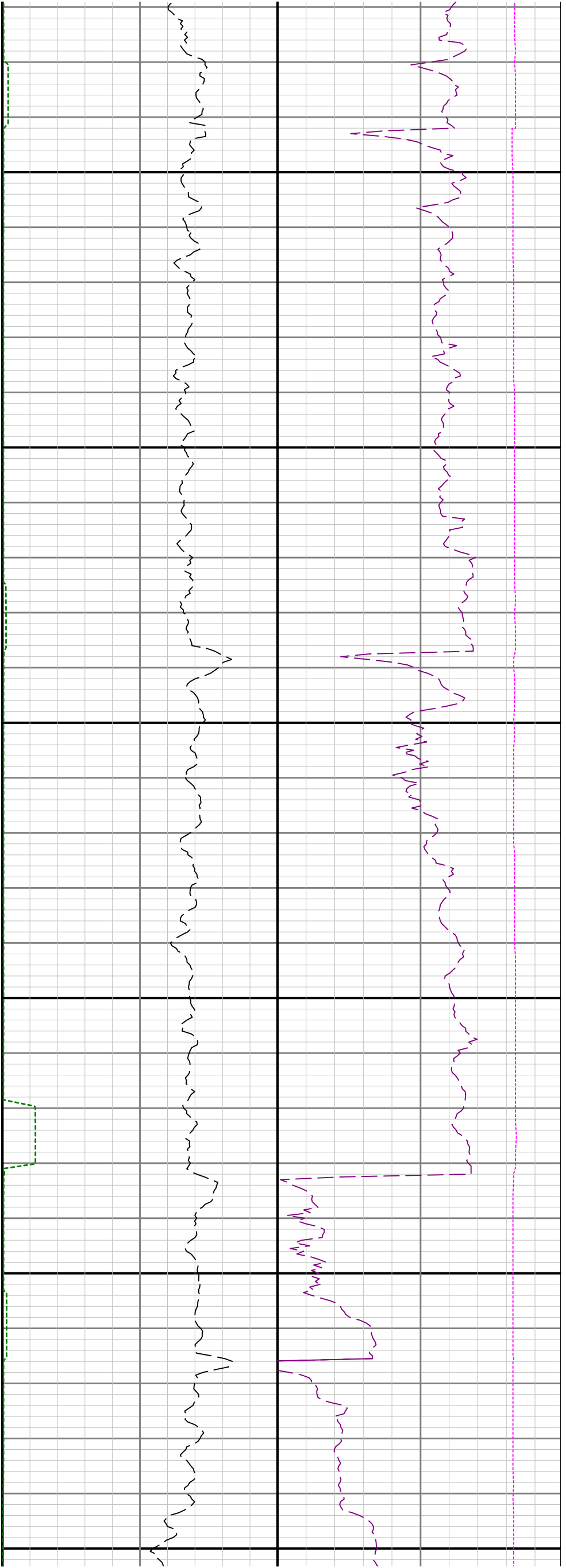


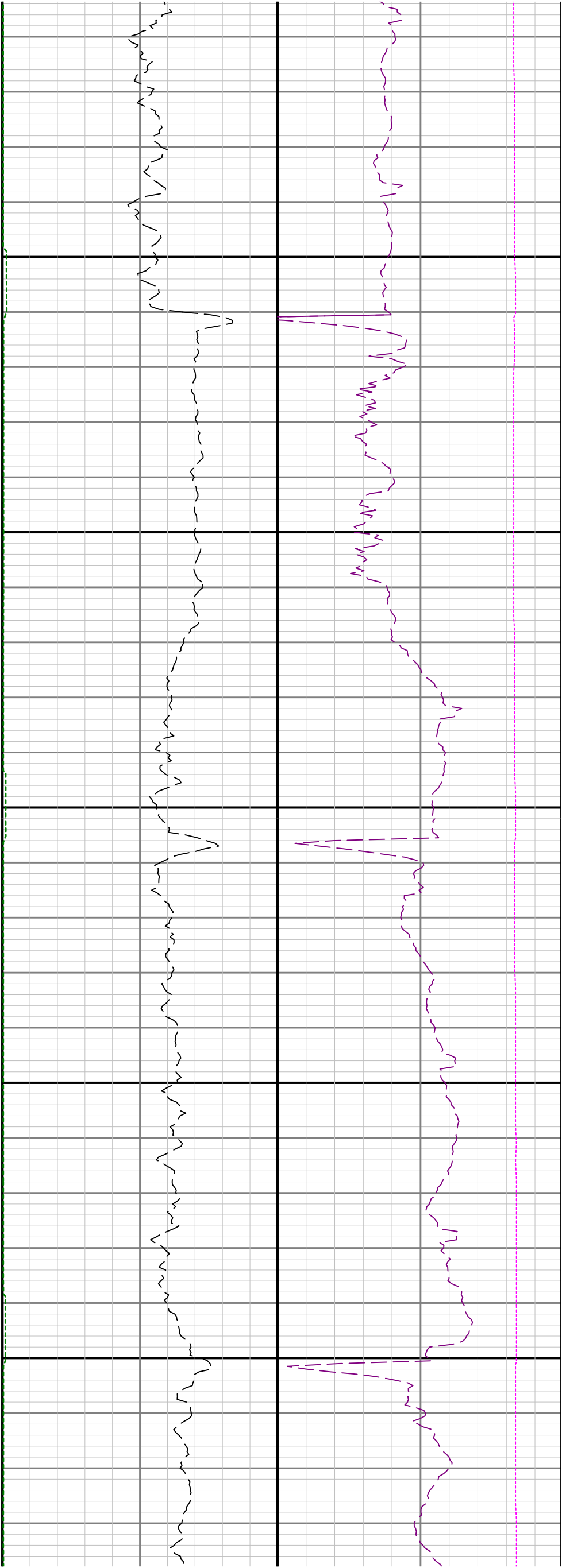
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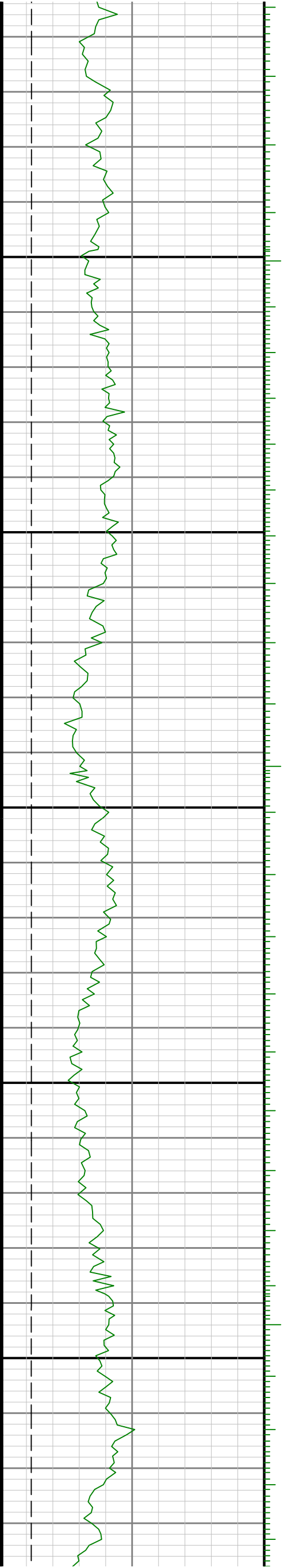


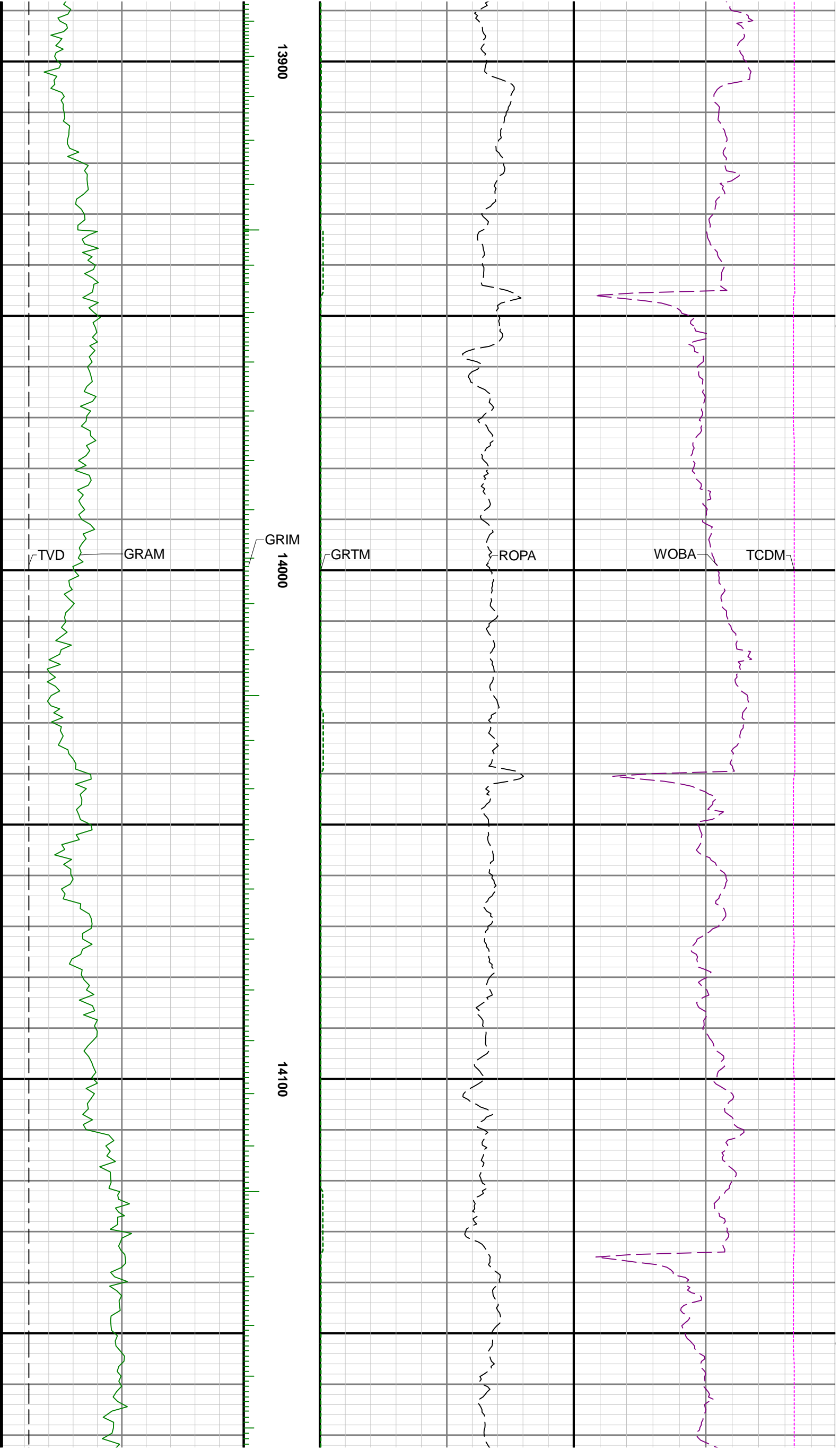


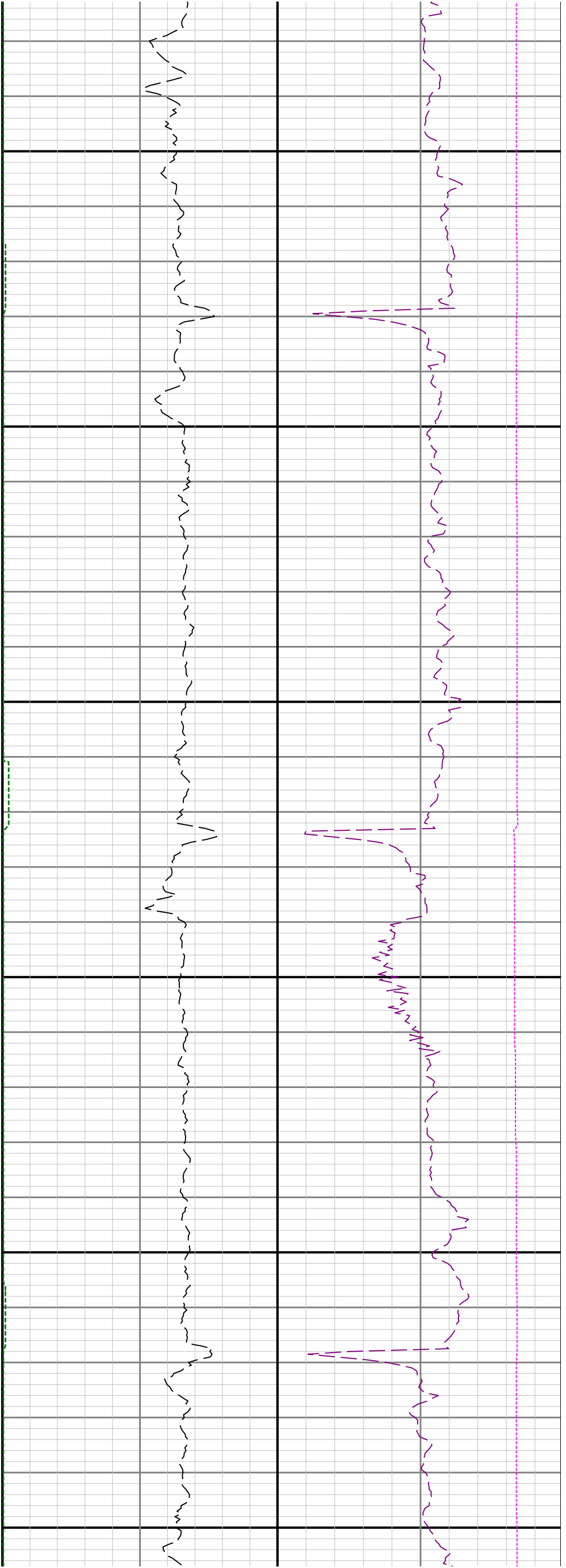


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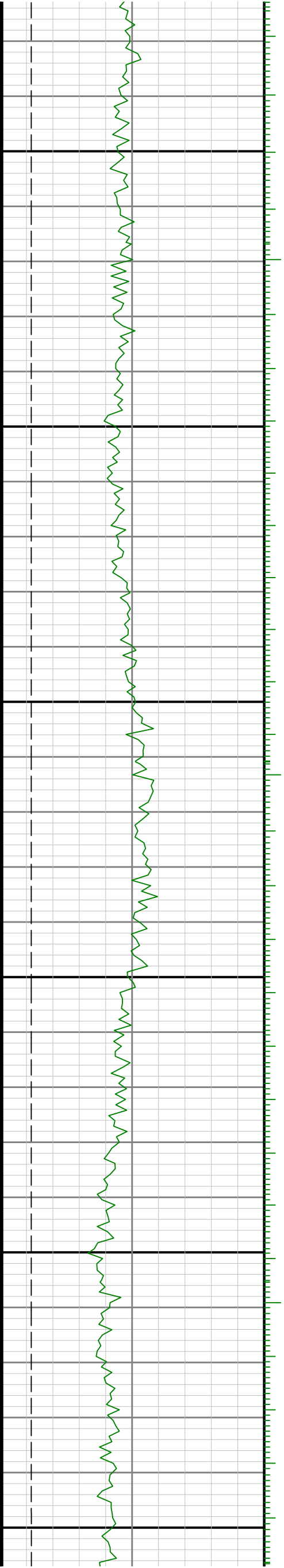


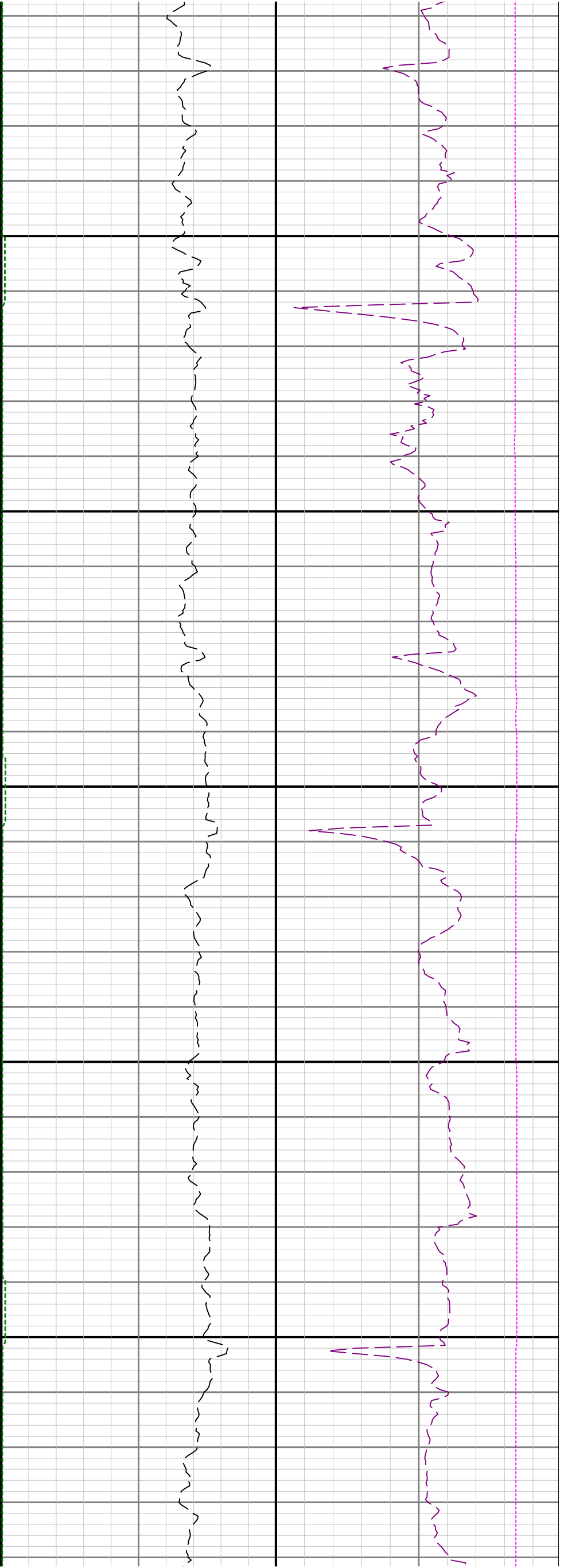


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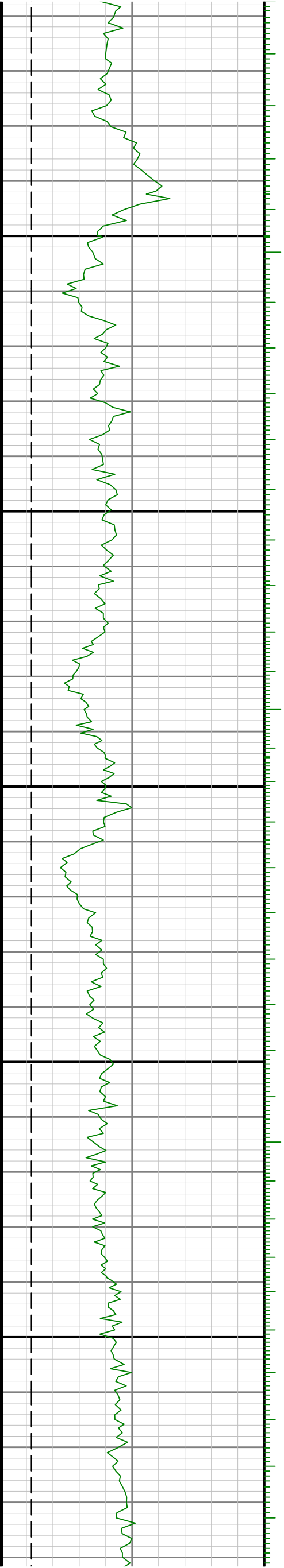


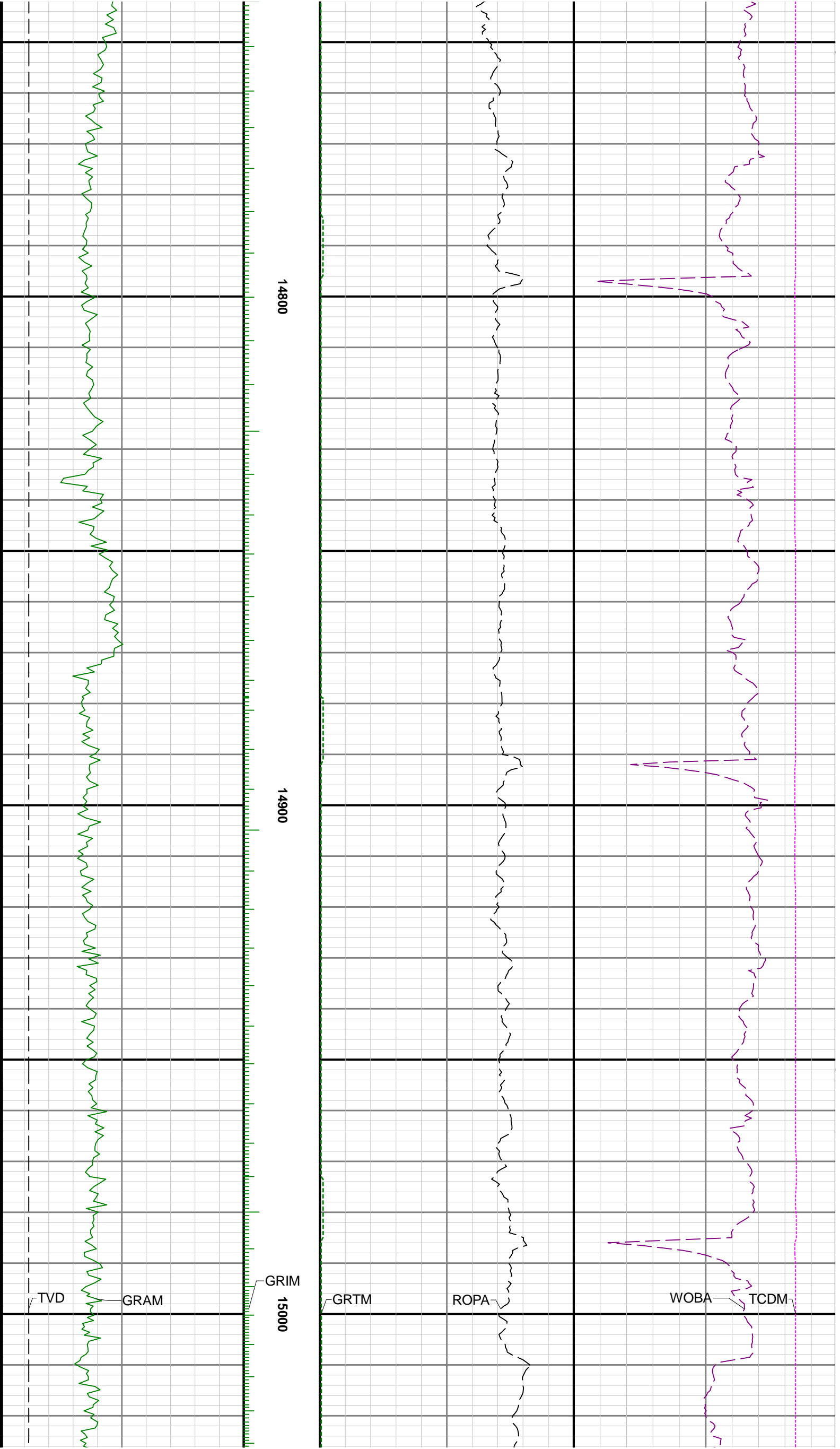


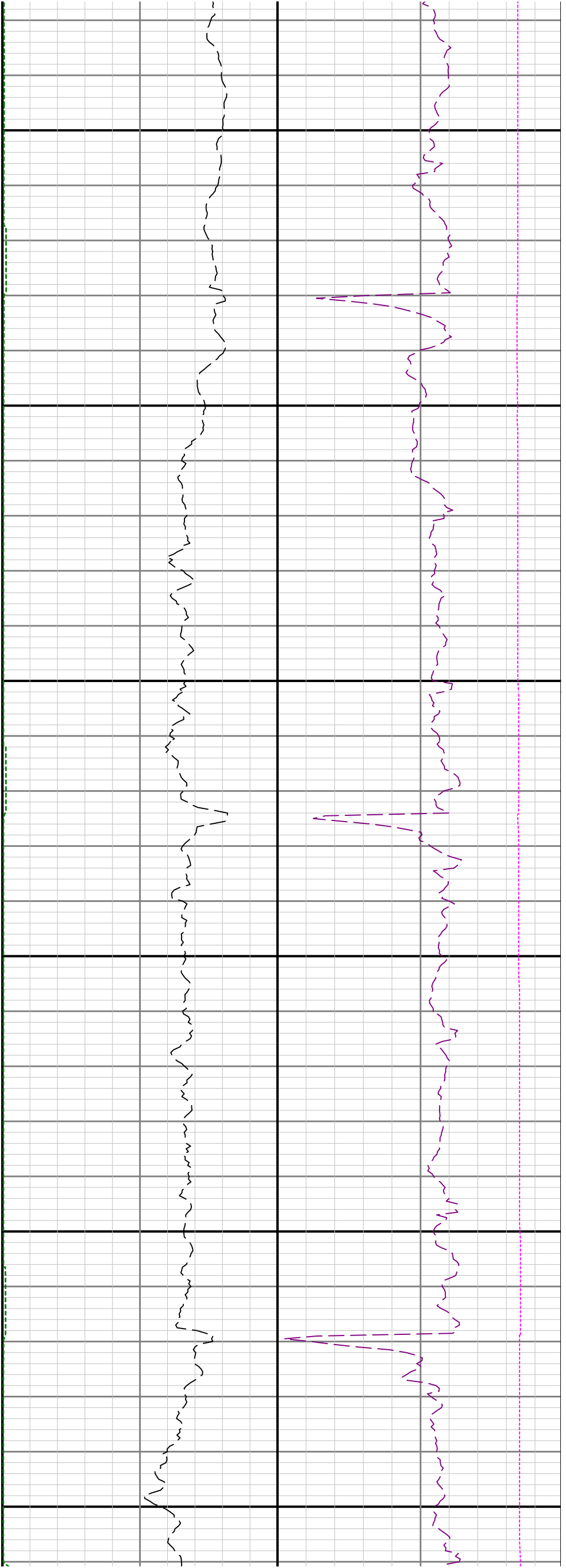
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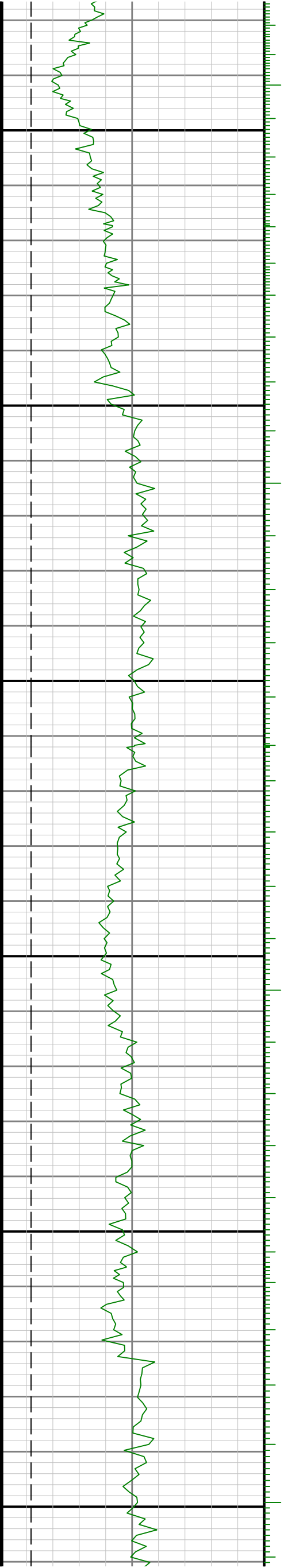


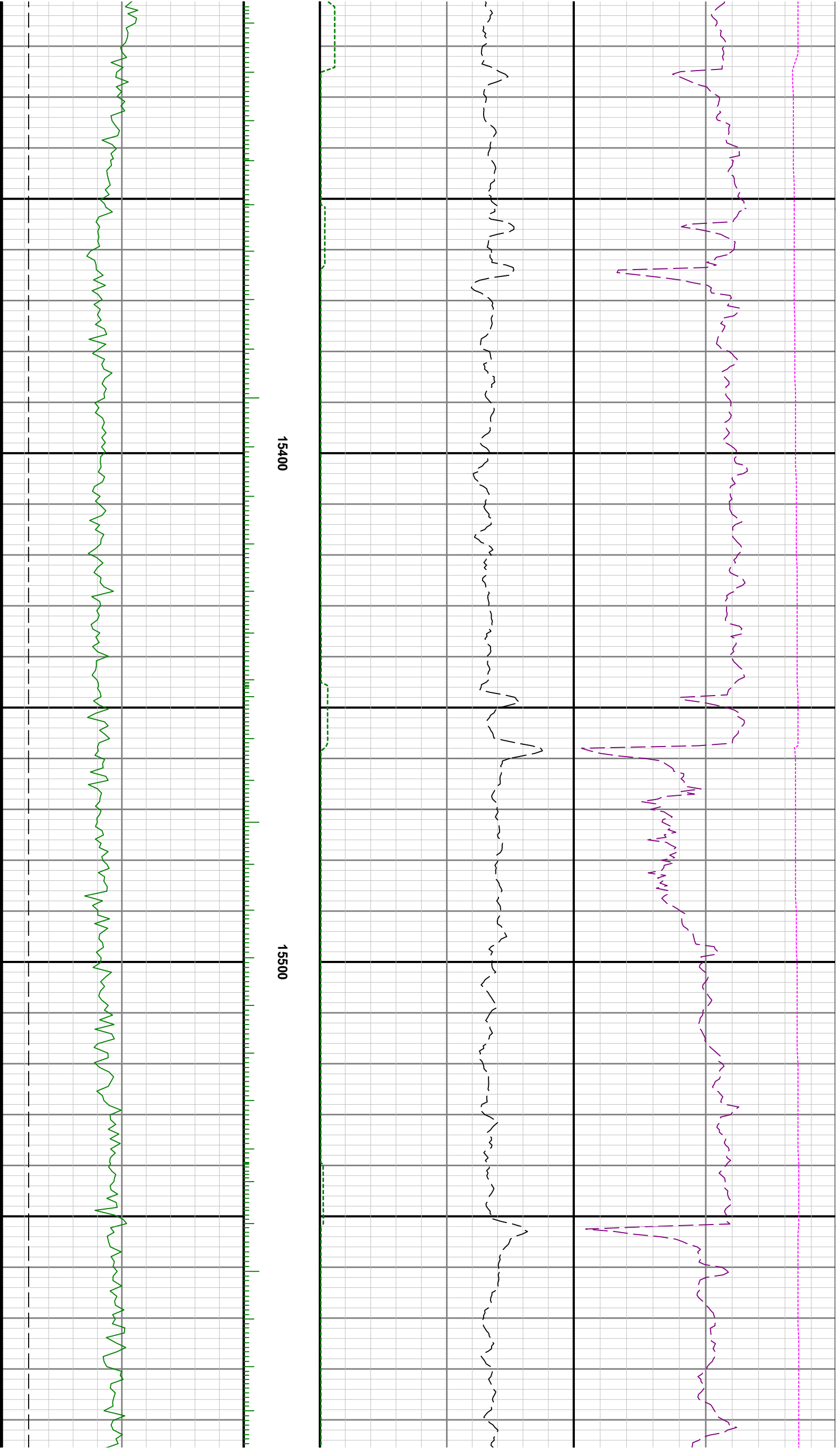


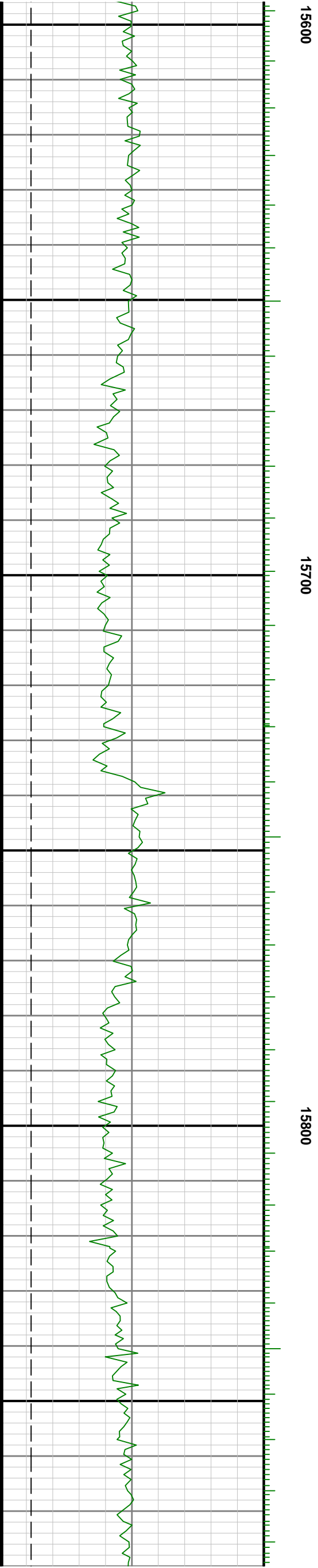
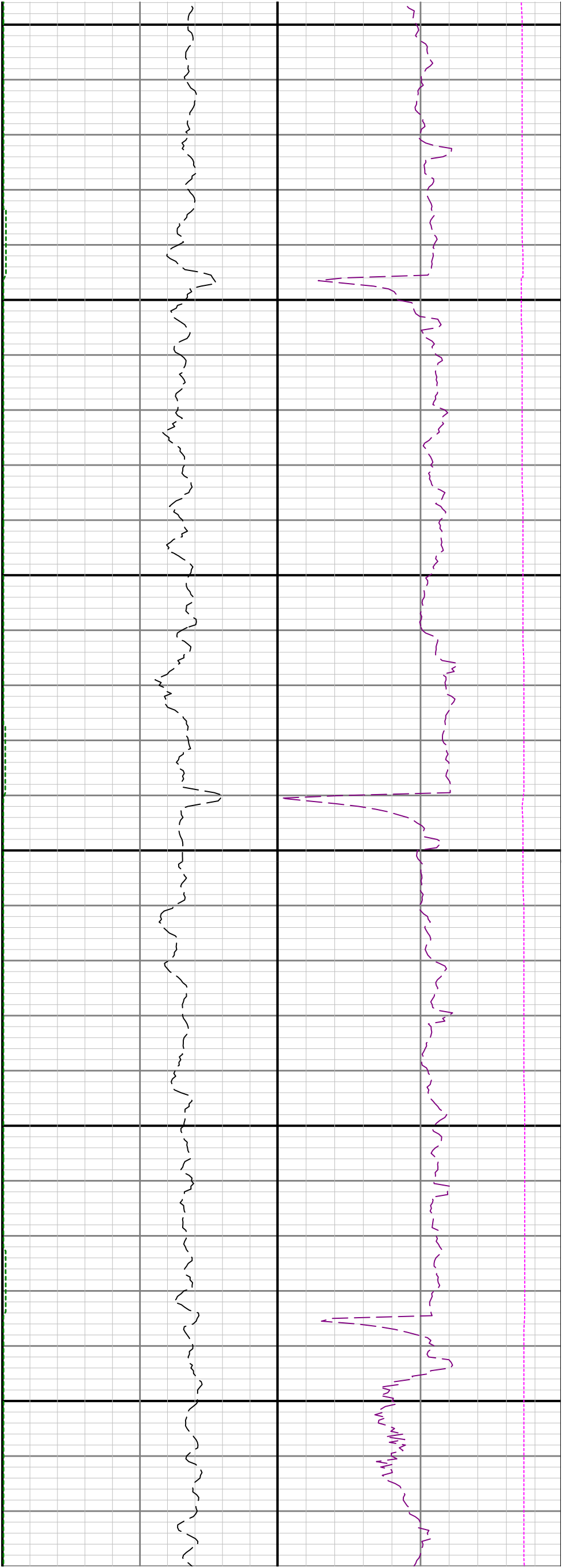
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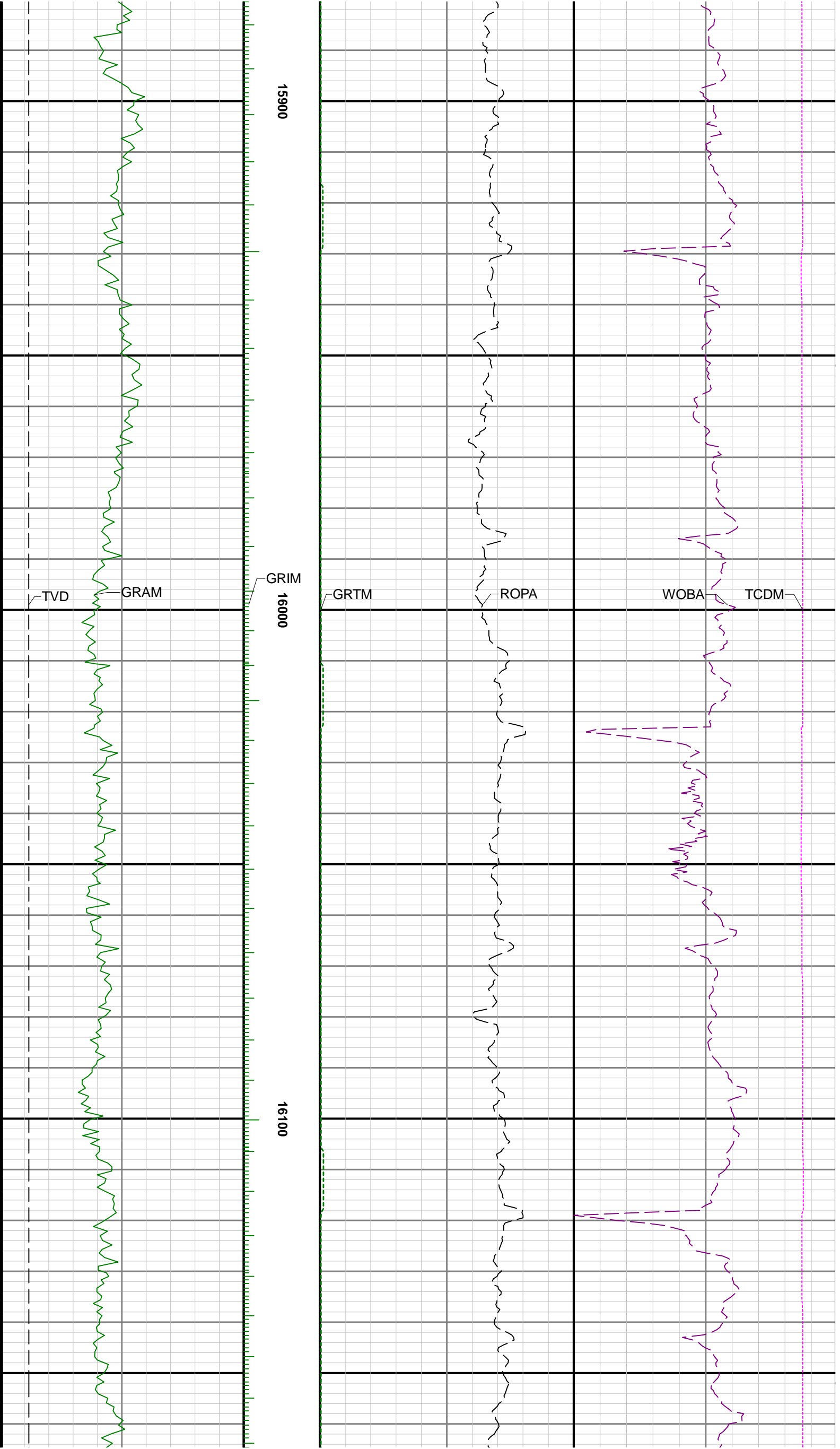
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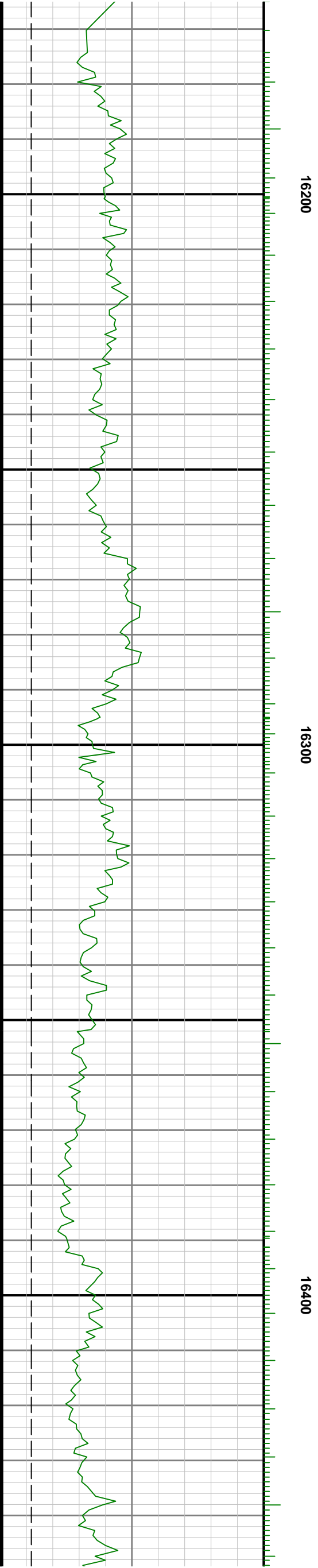
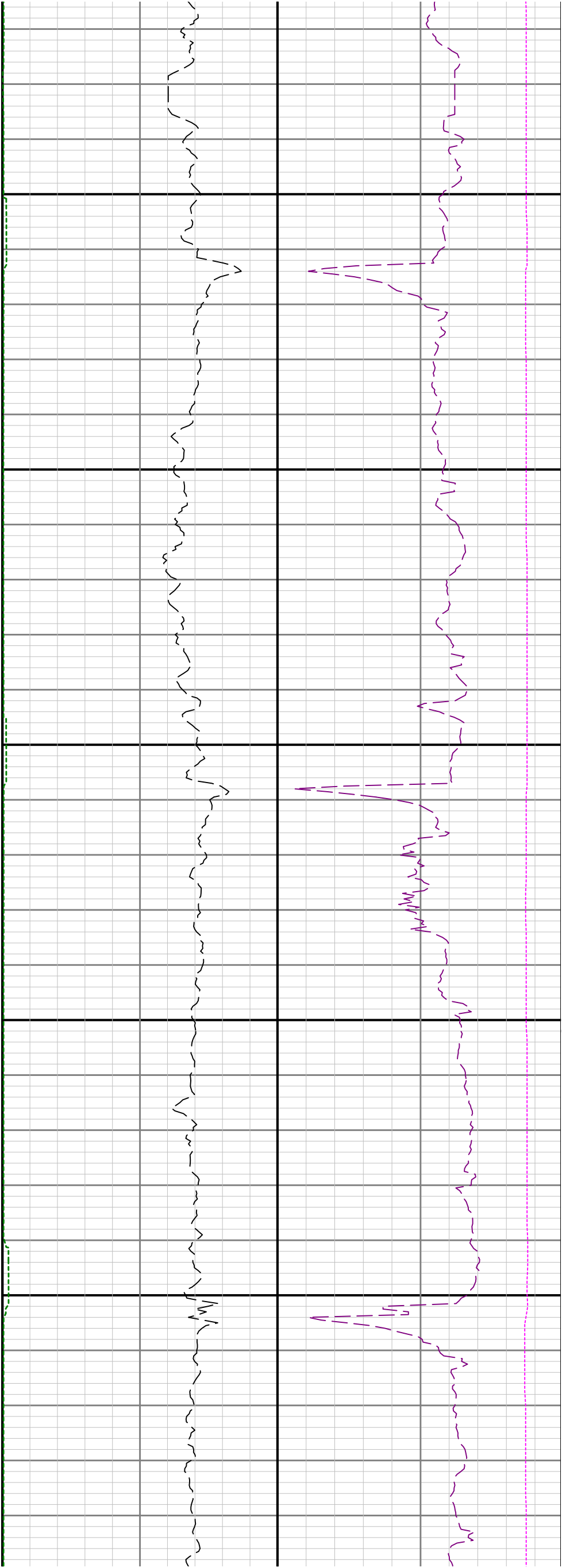
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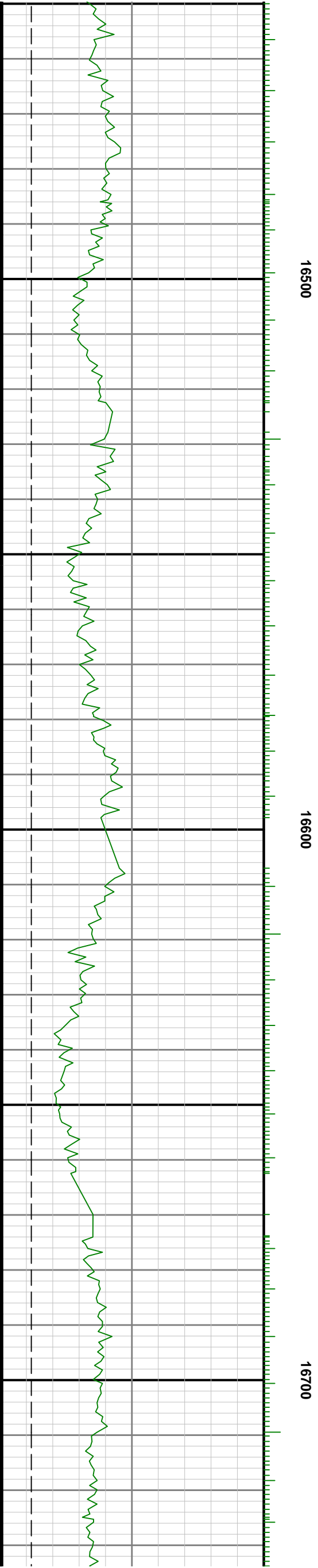
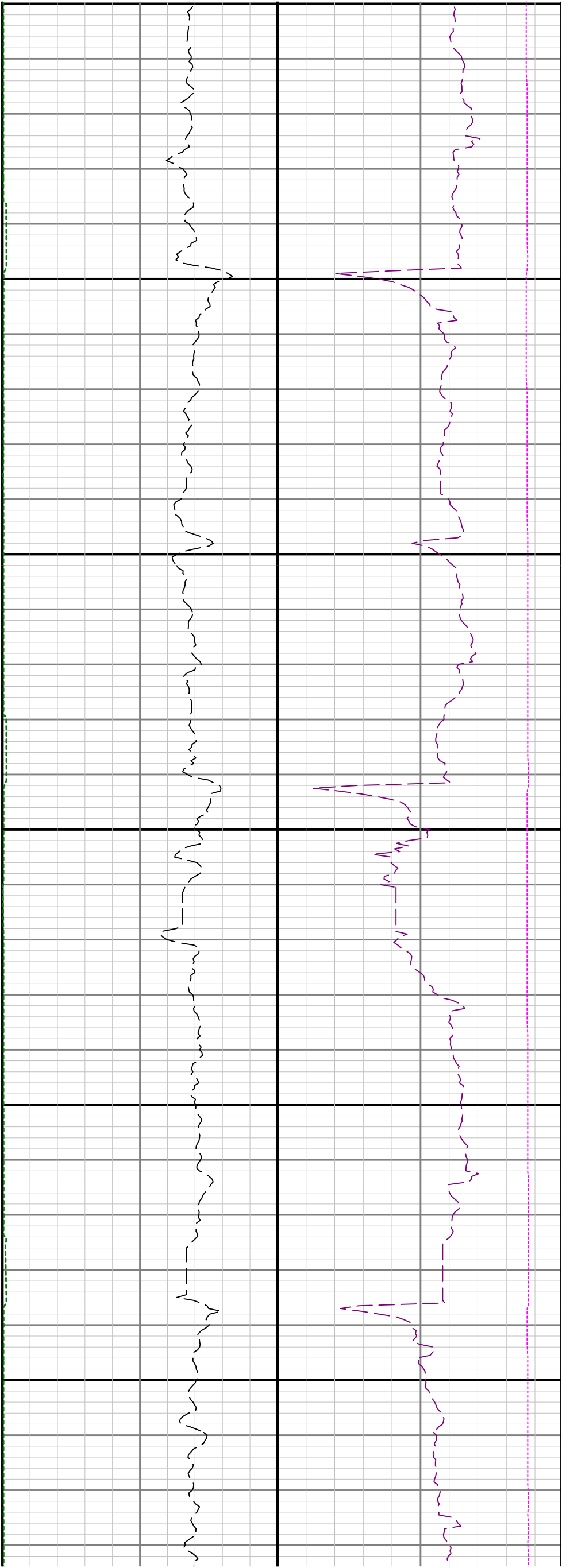


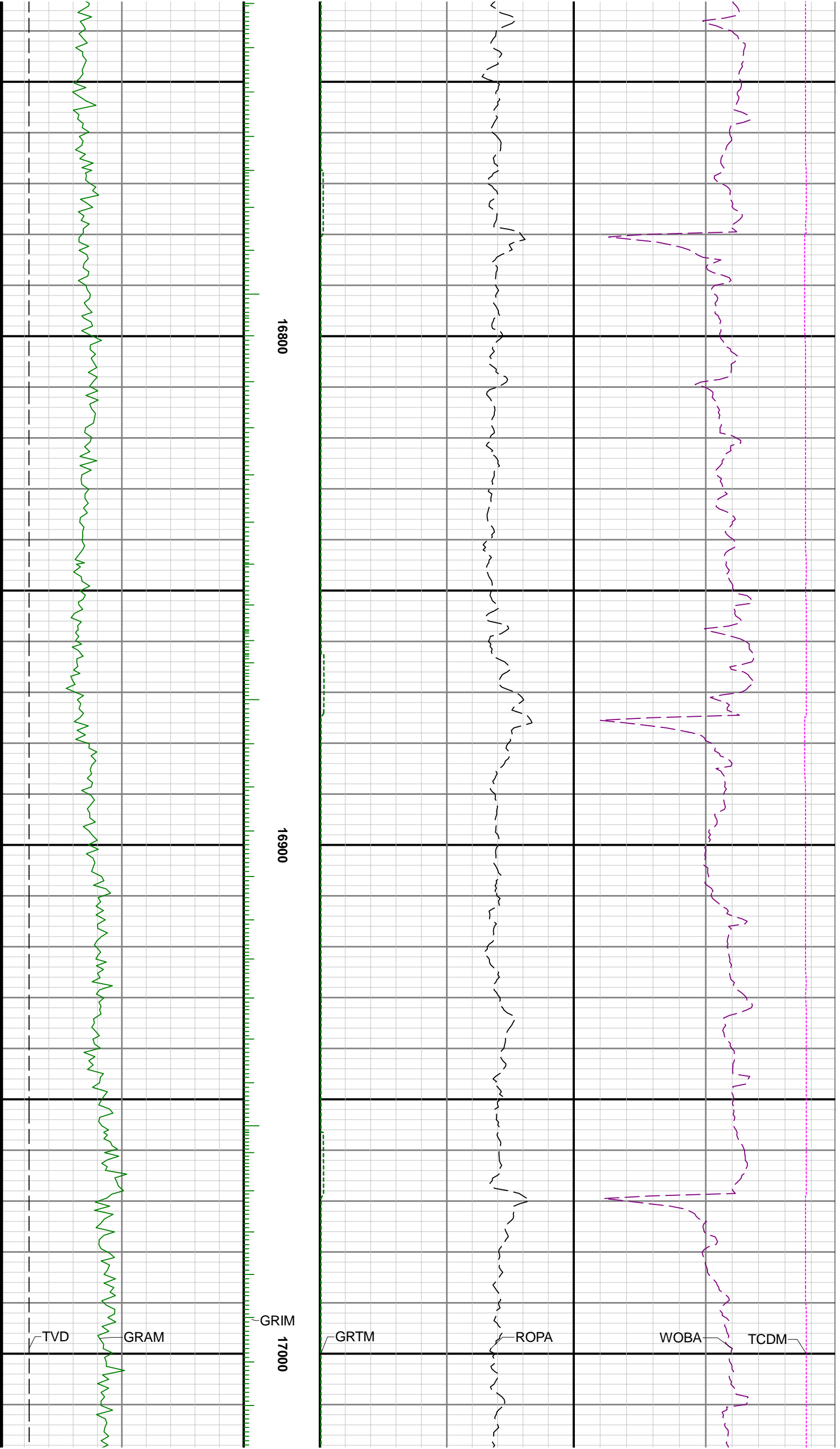


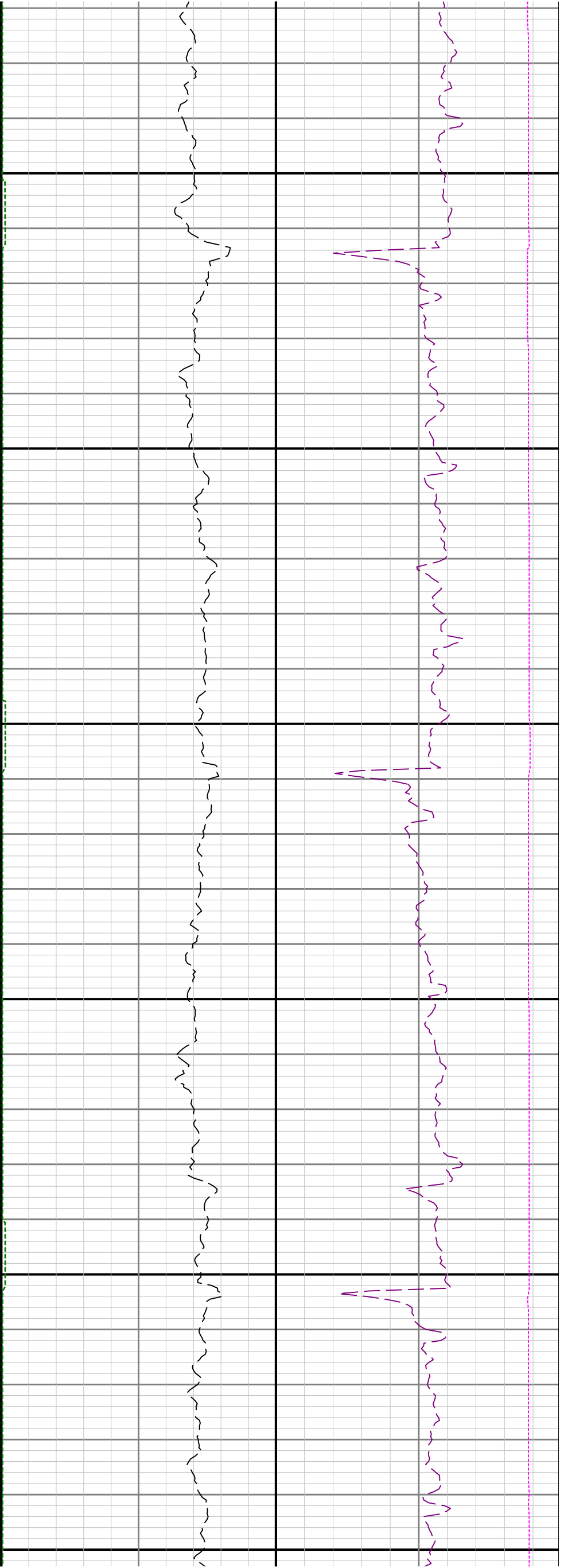








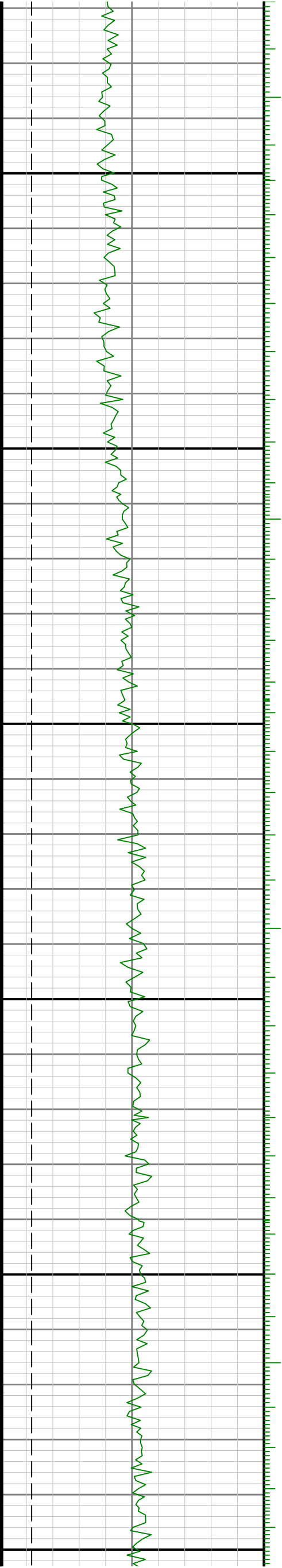


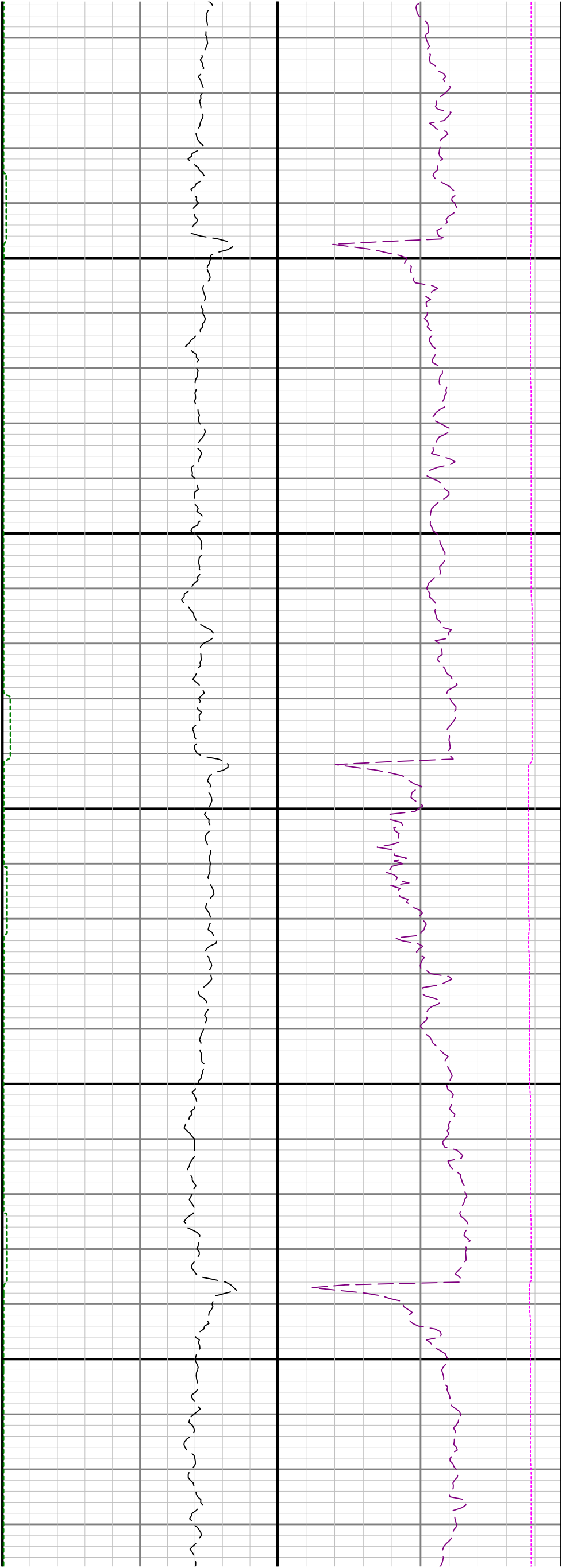


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17200

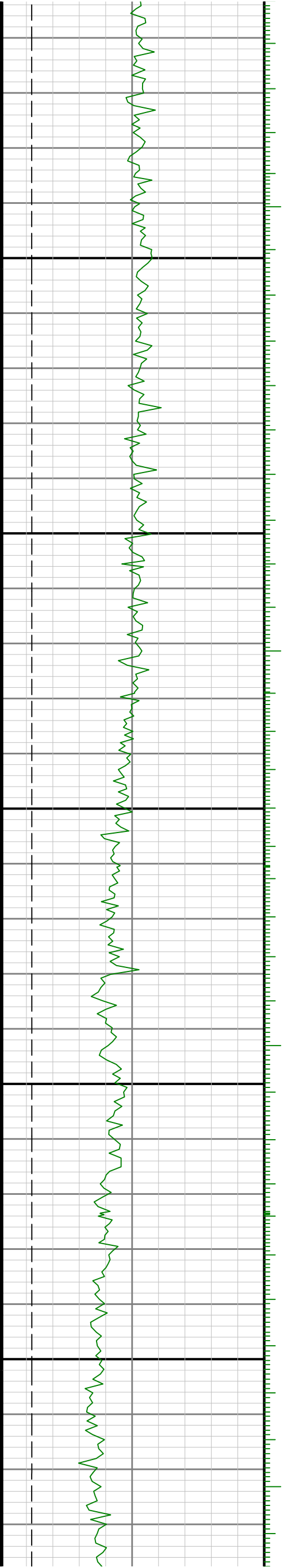
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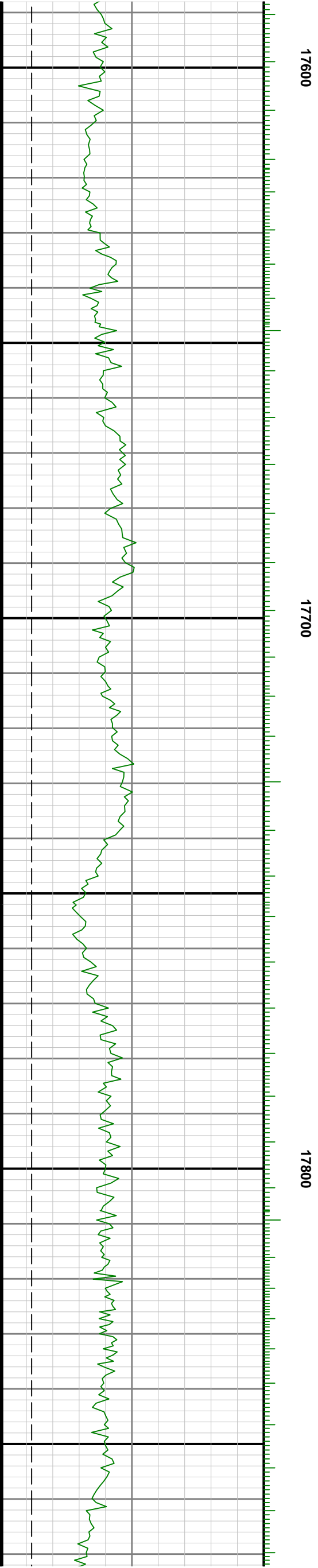
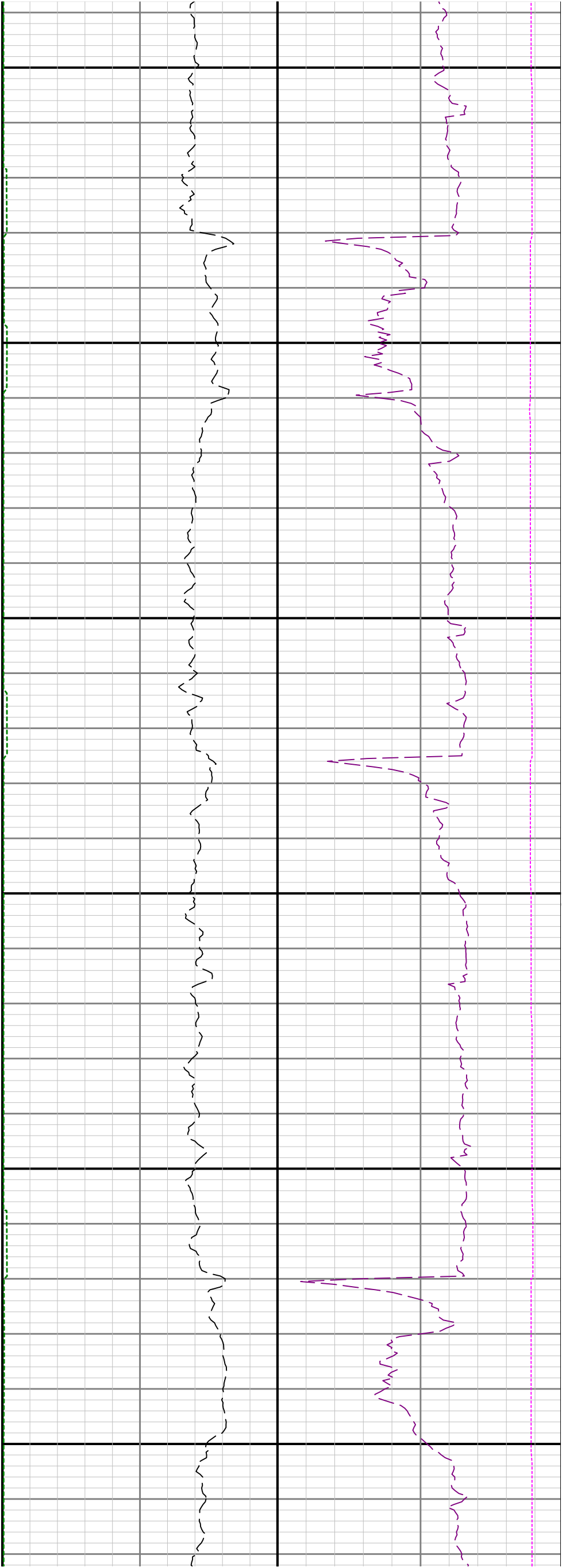


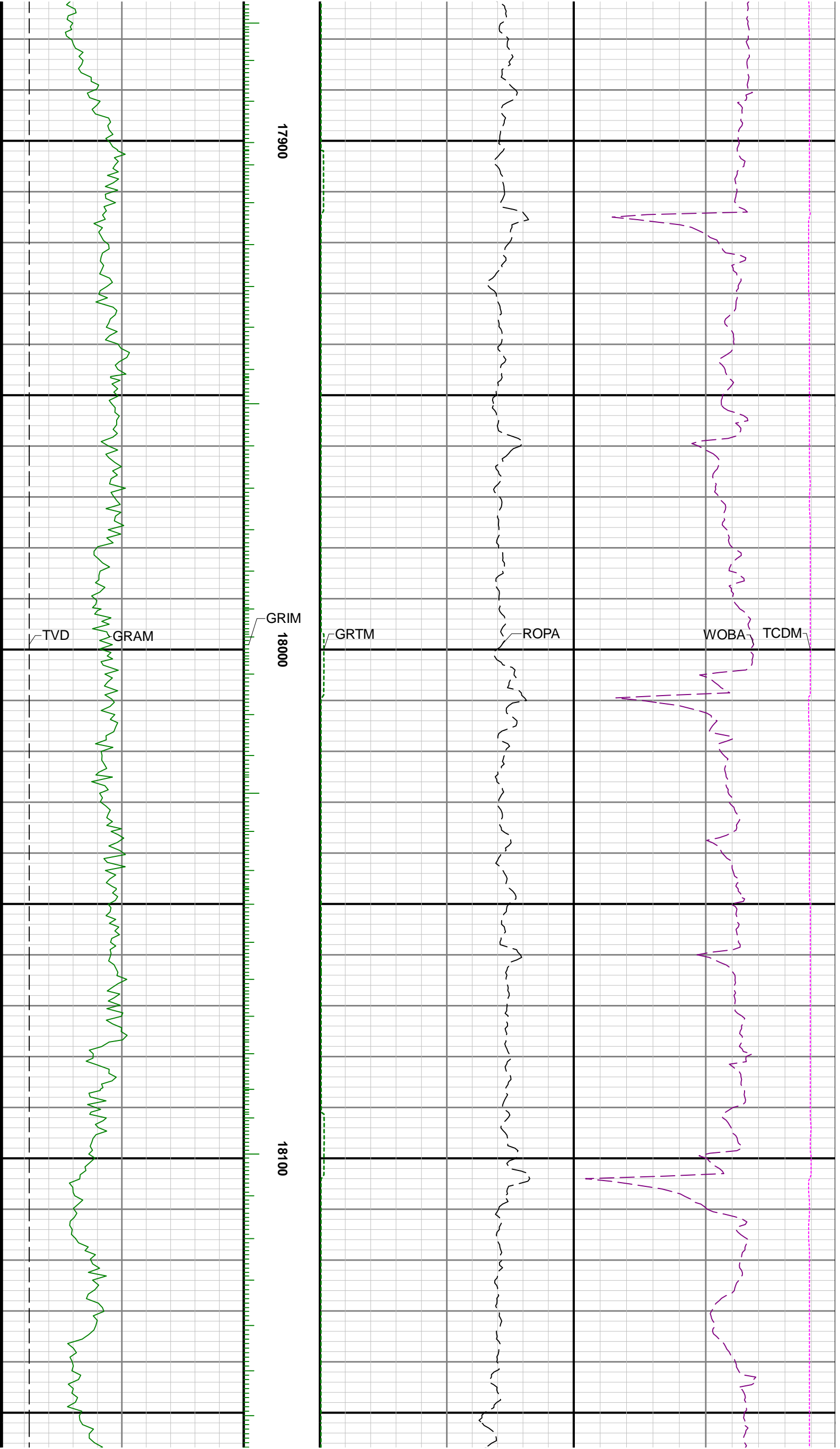


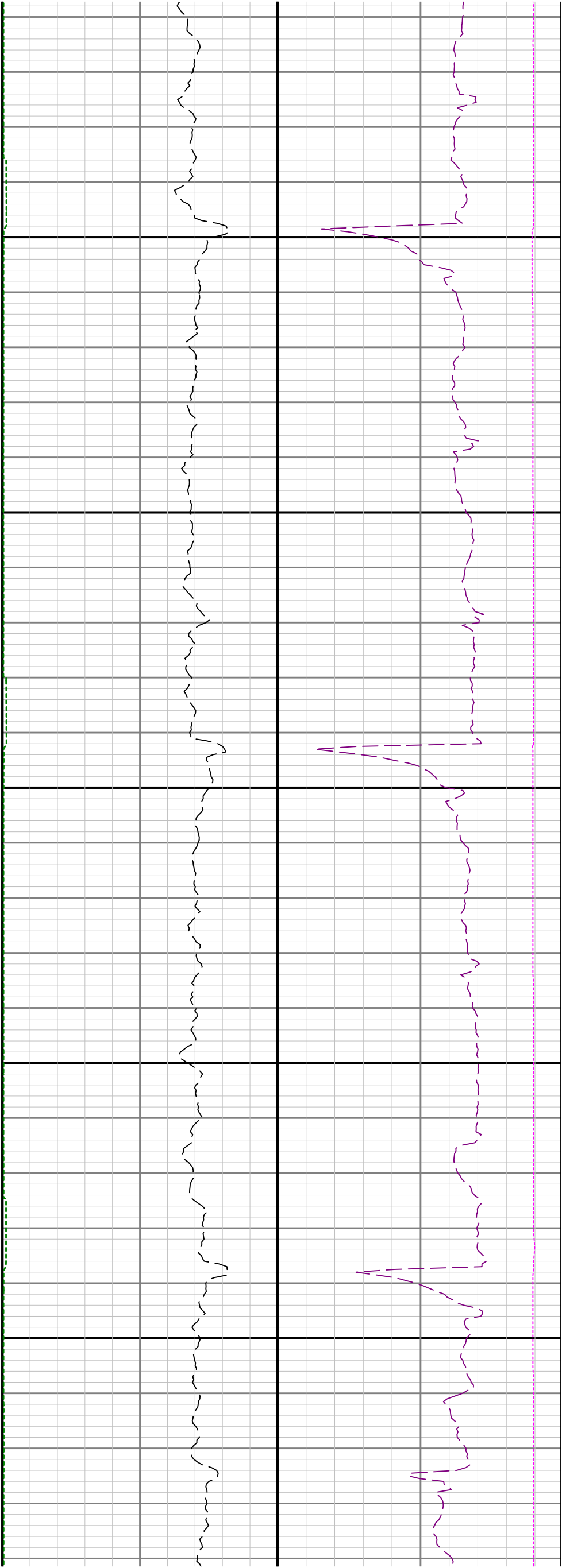
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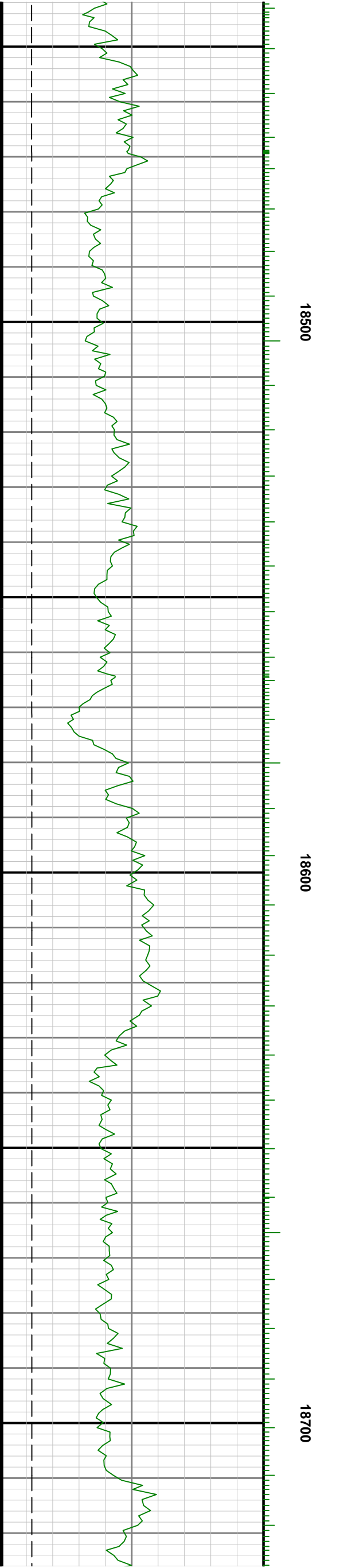
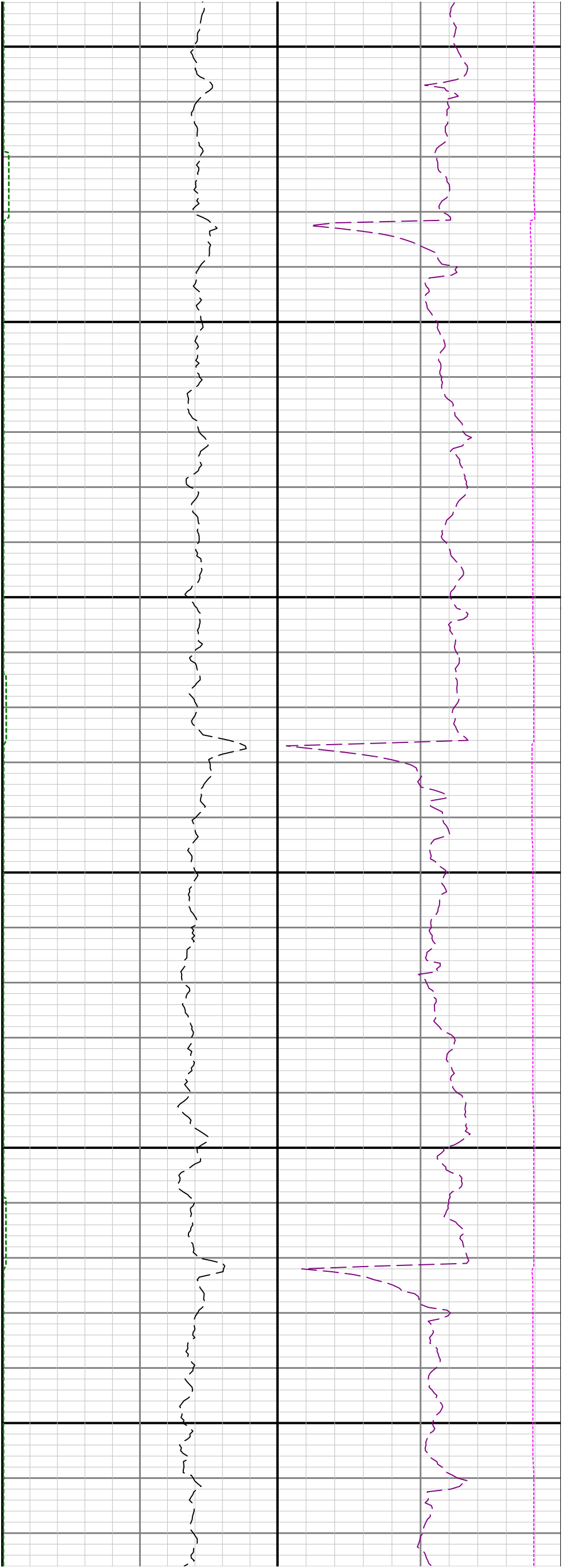


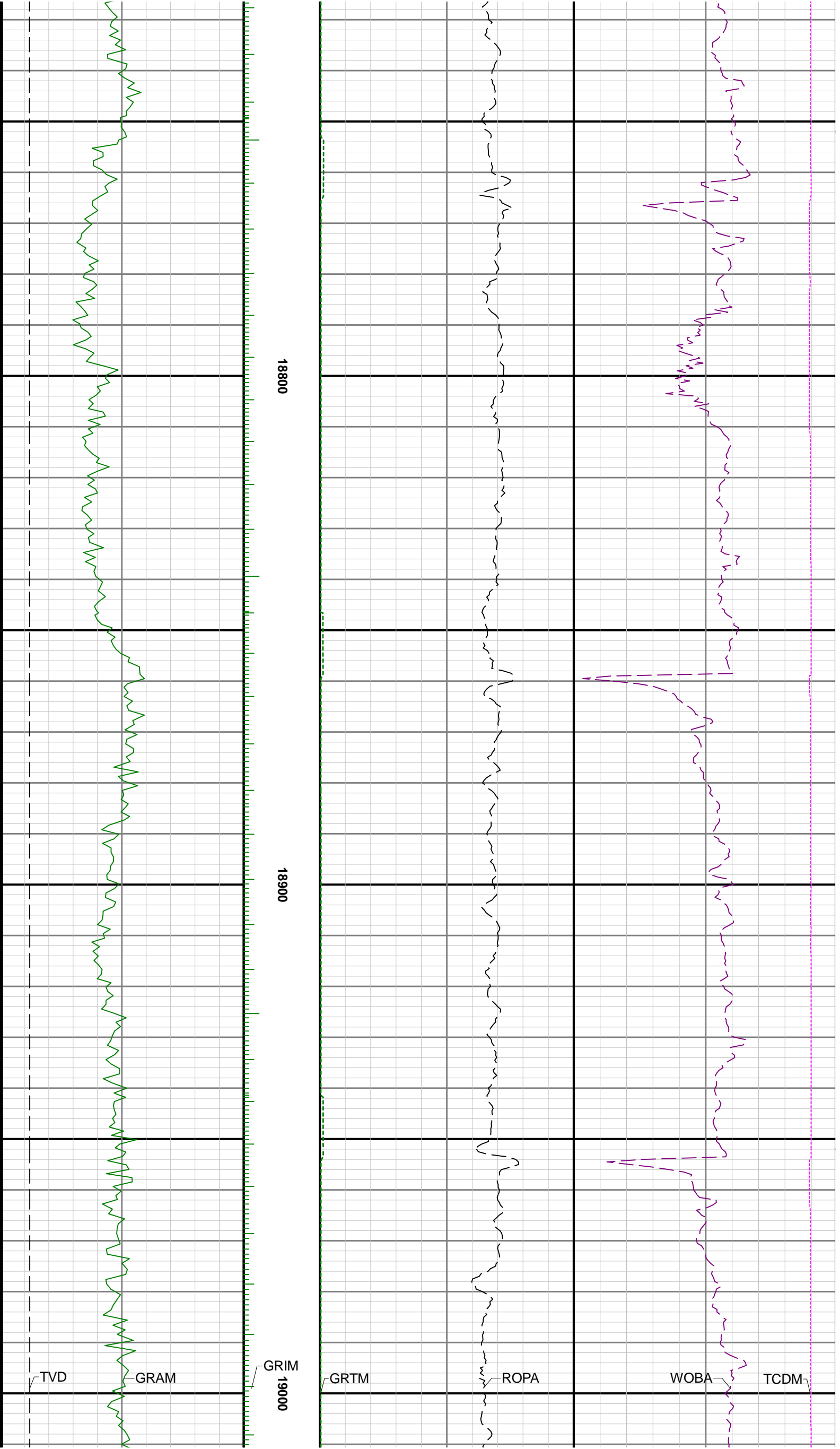


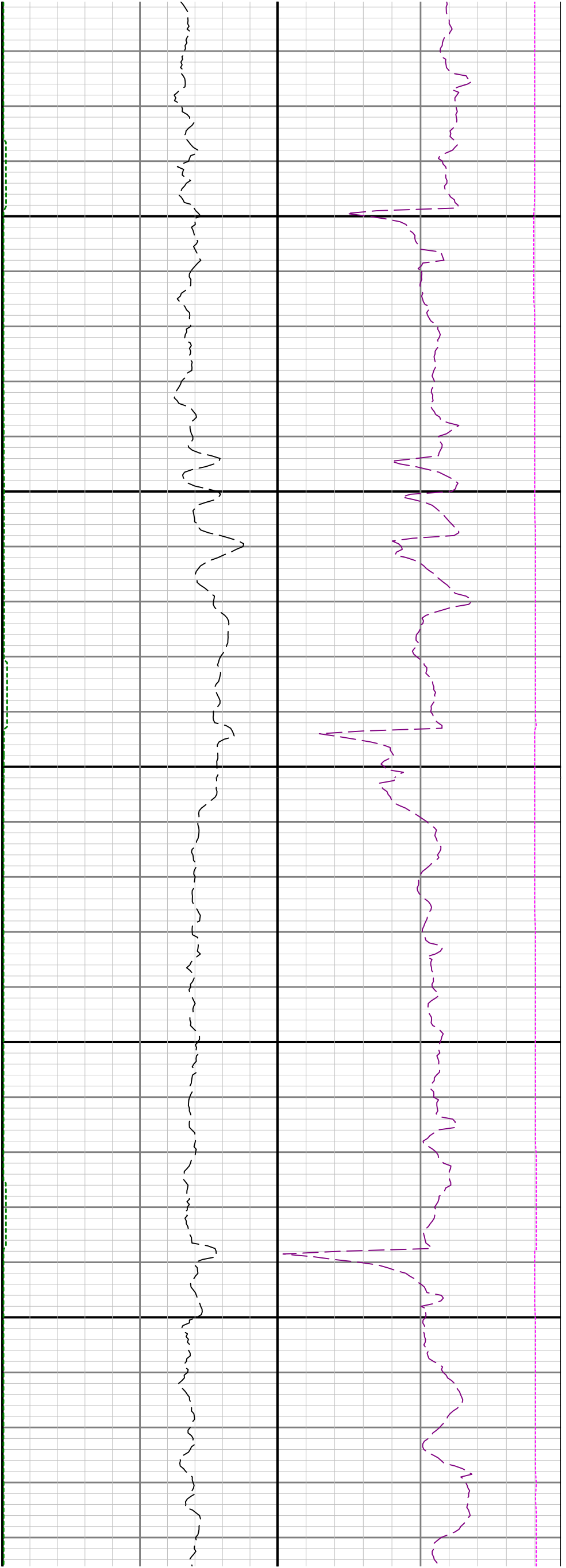
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18300

18400







19100

19200

