

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (sec/qt)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (mg/L)	K+
09/Dec/14 18:00	1	2818.0	Drill Water	8.4	27	8.4	N/A	0.3/99.0	Active Pits	1600	N/A
11/Dec/14 18:00	1	7880.0	LSND	9.9	52	8.1	N/A	2.5/90.0	Active Pits	1600	N/A
15/Dec/14 18:00	2	17180.0	LSND	9.4	41	9.3	N/A	5.0/88.5	Flowline	1600	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent 0.5 ft AVG	API
GRIX	Gamma Ray Data Density	points
GRSI	Gamma Ray Sliding Indicator	unitless
GRTX	Gamma Ray Time Since Drilled	min.
ROPA	Rate of Penetration, 3.0 ft Avg	ft/hr
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft.
WOBA	Surface Weight on Bit, 1.0 ft Avg	klbs

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	12323370	Directional	53.91	6.750	2.813
1	SRIG	12131429	Gamma	50.54	6.750	2.813
2	DIR	13099217	Directional	52.15	4.750	2.750
2	SRIG	11732967	Gamma	48.73	4.750	2.750

Service and Tool Mnemonics

Mnemonic	Name	Description
DIR	Directional	Wellbore directional survey
SRIG	Inclination and Gamma	Probe based gamma ray and inclination module

Comments

<p>1.) Baker Hughes Run 1 utilized a 6 1/2 inch NaviGamma (Directional and Gamma Ray) tool behind an 8 3/4 inch bit and steerable assembly from 6668 feet to 7880 feet MD (6641 feet to 7418 feet TVD).</p> <p>2.) Baker Hughes Run 2 utilized a 4 3/4 inch NaviGamma (Directional and Gamma Ray) tool behind a 6 1/8 inch bit and steerable assembly from 7880 feet to 17817 feet MD (7418 feet to 7484 feet TVD).</p> <p>3.) A sliding indicator is shown on the left side of track 1 as a heavy line. This indicator has been depth-shifted to the Gamma Ray sensor offset to correspond with Gamma Ray data acquired while sliding.</p>

Remarks

Number	Measured Depth (ft.)	Hole Section (in.)	LWD Run No.	Remark
1	6664	8.750	1	The interval from surface to 6668 feet MD (6641 feet TVD) was not logged since logging services began at kick off point

1	6654	8.750	1	The interval from surface to 6650 feet MD (6641 feet TVD) was not logged since logging services began at kick on point.
2	7835	8.750	1	The depth from 7829 feet MD (7415 feet TVD) was logged more than 9 hours after drilling due to tripping for casing and picking up lateral BHA.
3	17683	6.125	2	The interval from 17768 feet to 17817 feet MD (7486 feet to 7484 feet TVD) was not logged due to bit sensor offset at TD.

Curve Mnemonics

Curve	Description	Units
GRAX	Gamma Ray - Apparent	API
GRIX	Gamma Ray - Data Point Indicator	unitless
GRSI	Gamma Slide Ind.	unitless
GRTX	Gamma Ray Time Since Drilled	min
ROP_AVG	Depth Averaged ROP	ft/hr
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft
WOB_AVG	AVERAGE Weight On Bit	klbf

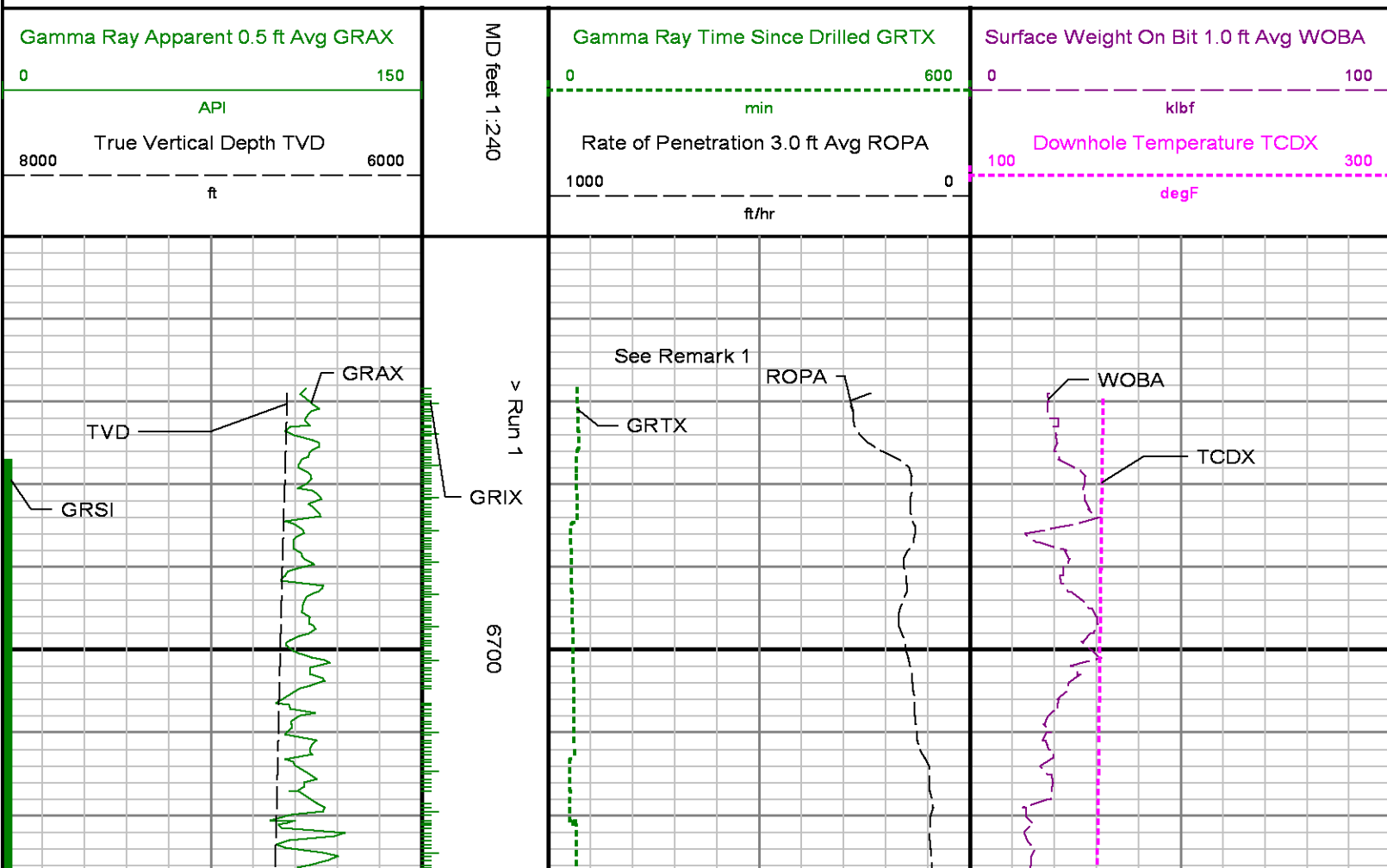


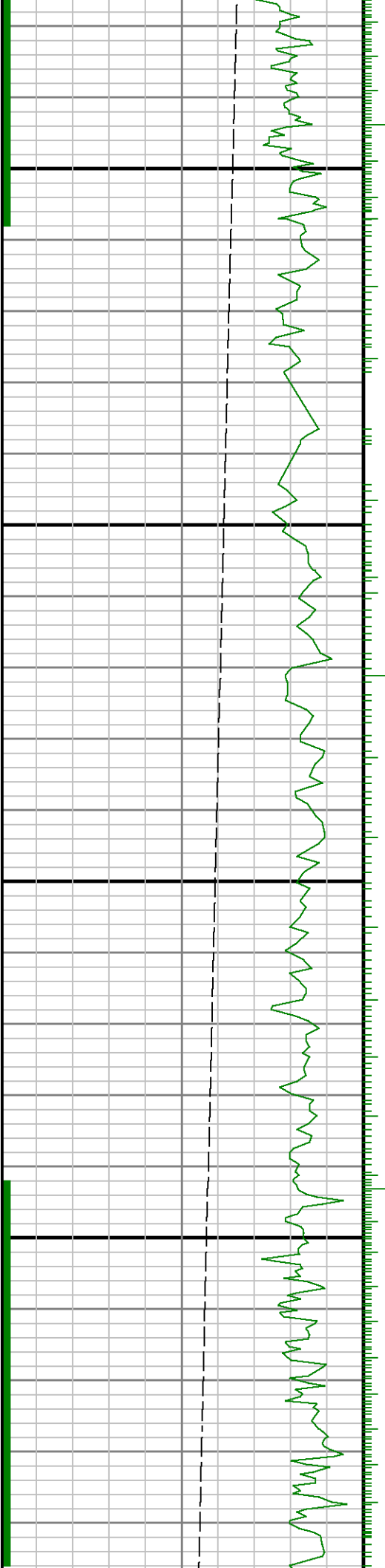
Company : Anadarko

Well : Kerr 14C-25HZ

Interval : 6650.00 - 17830.00 feet

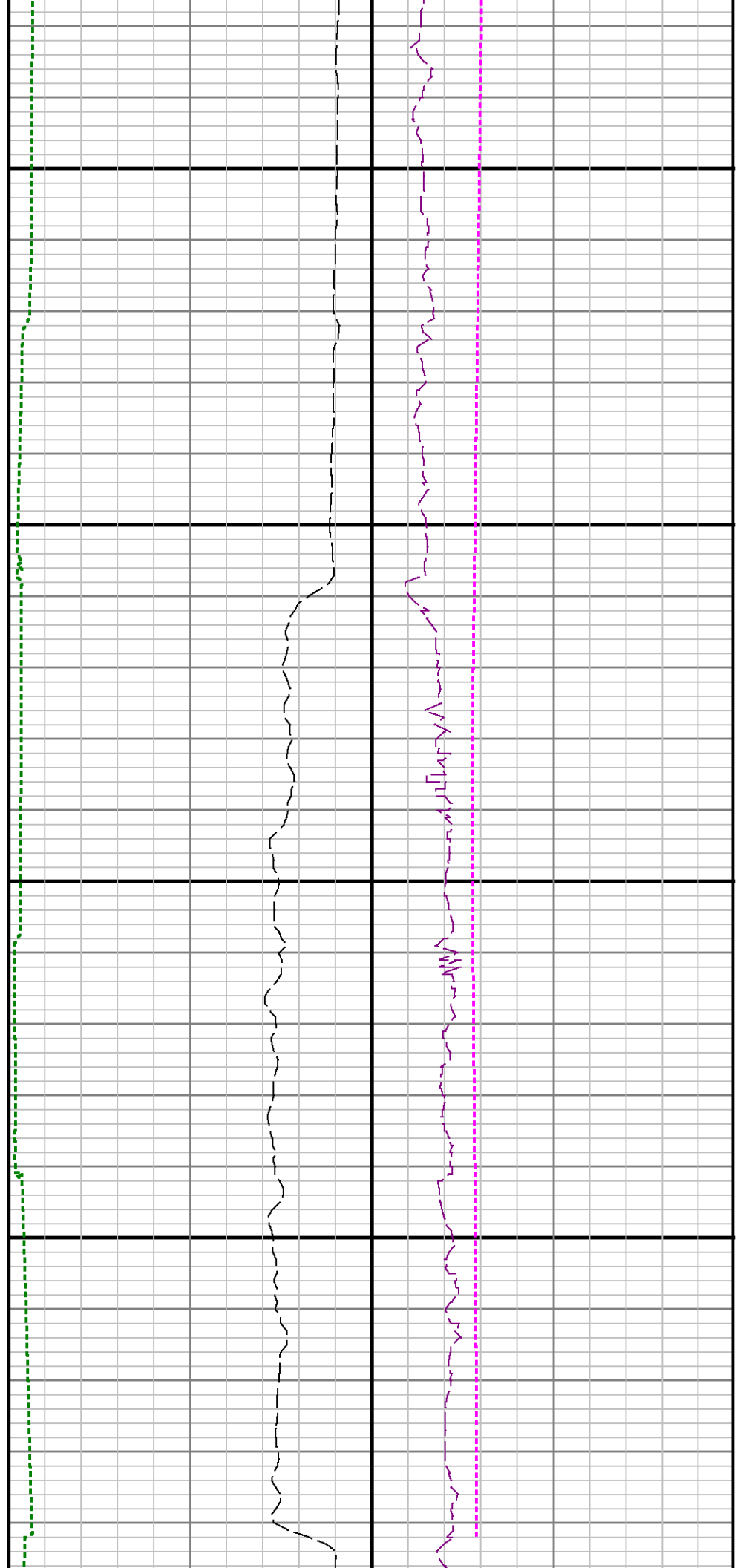
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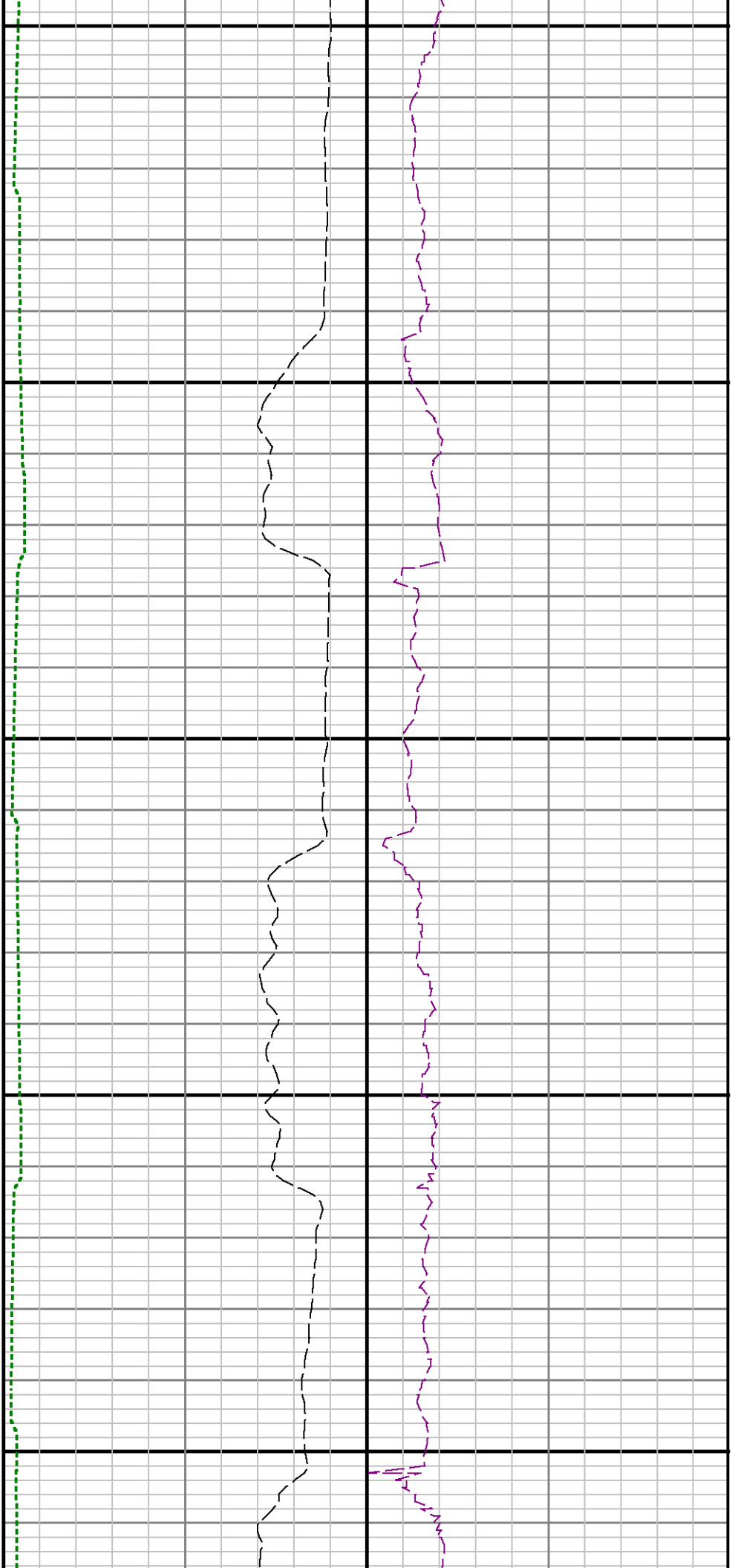




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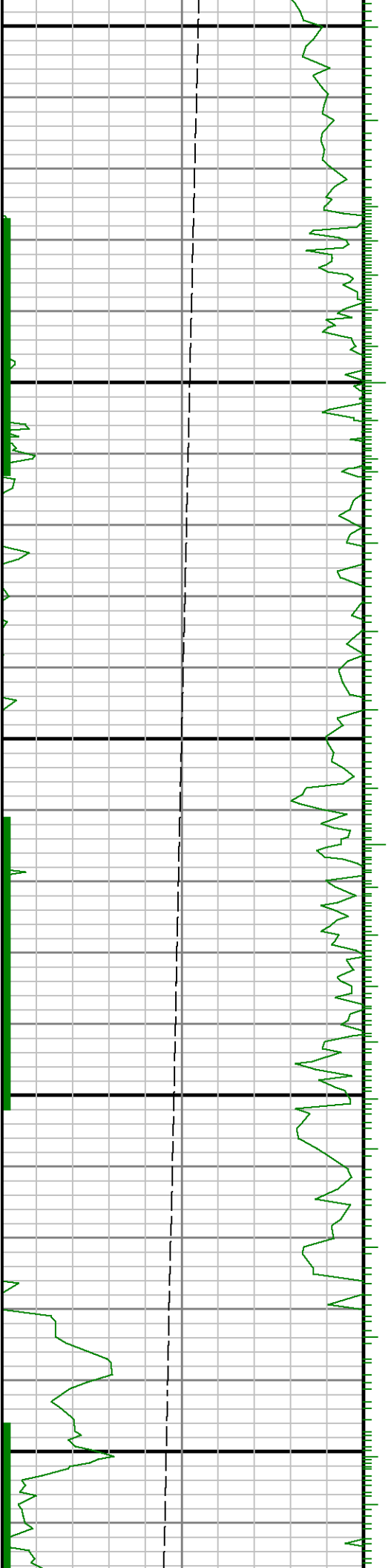
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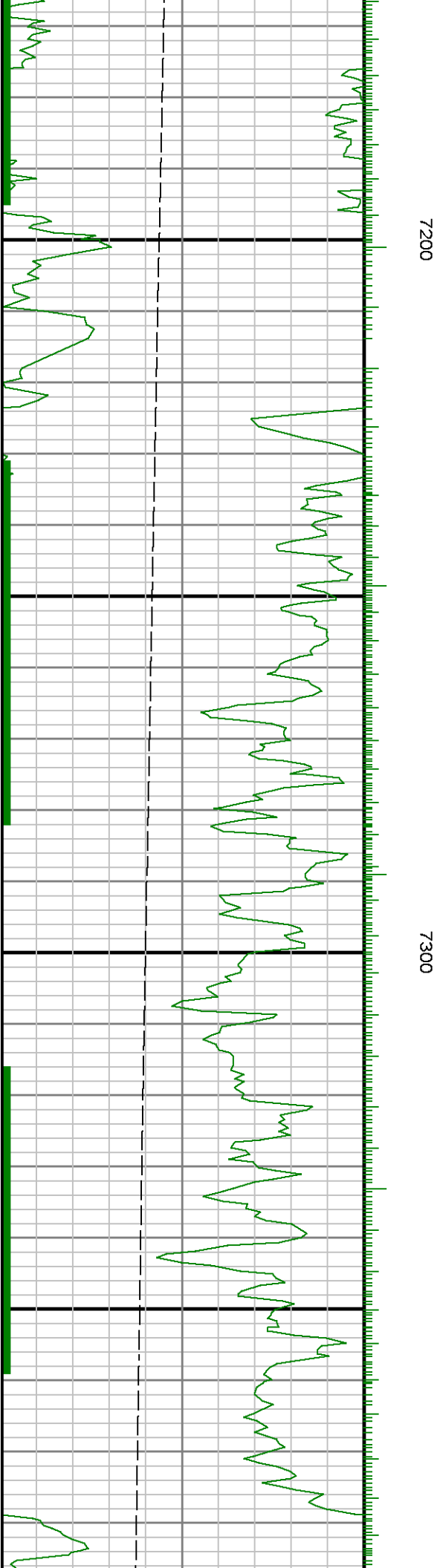
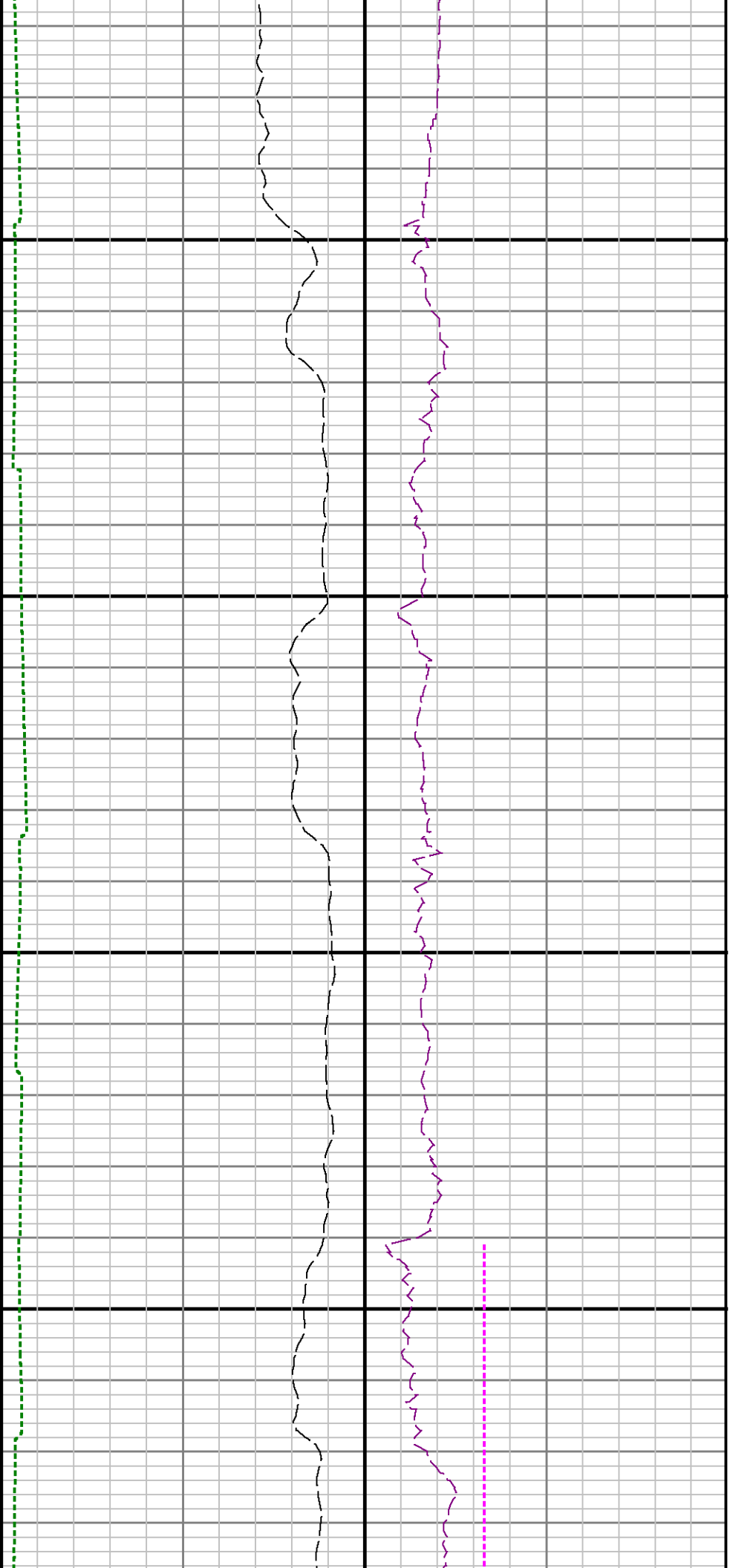


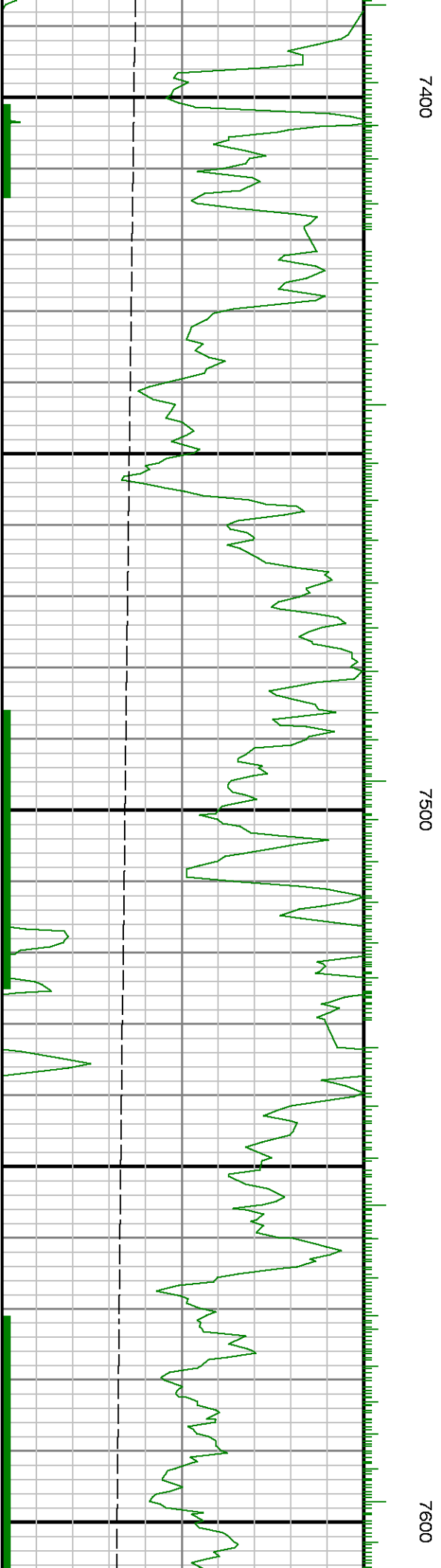
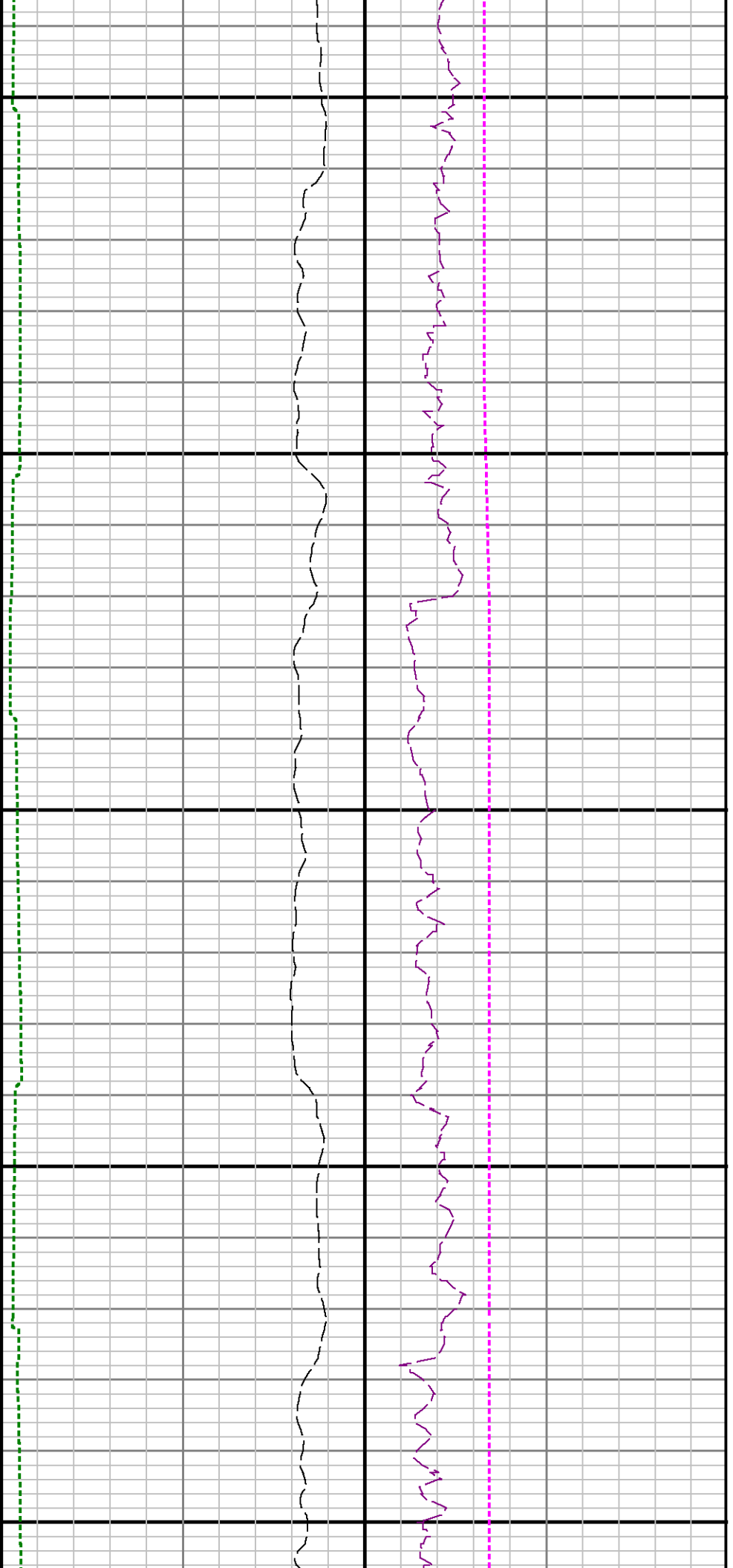


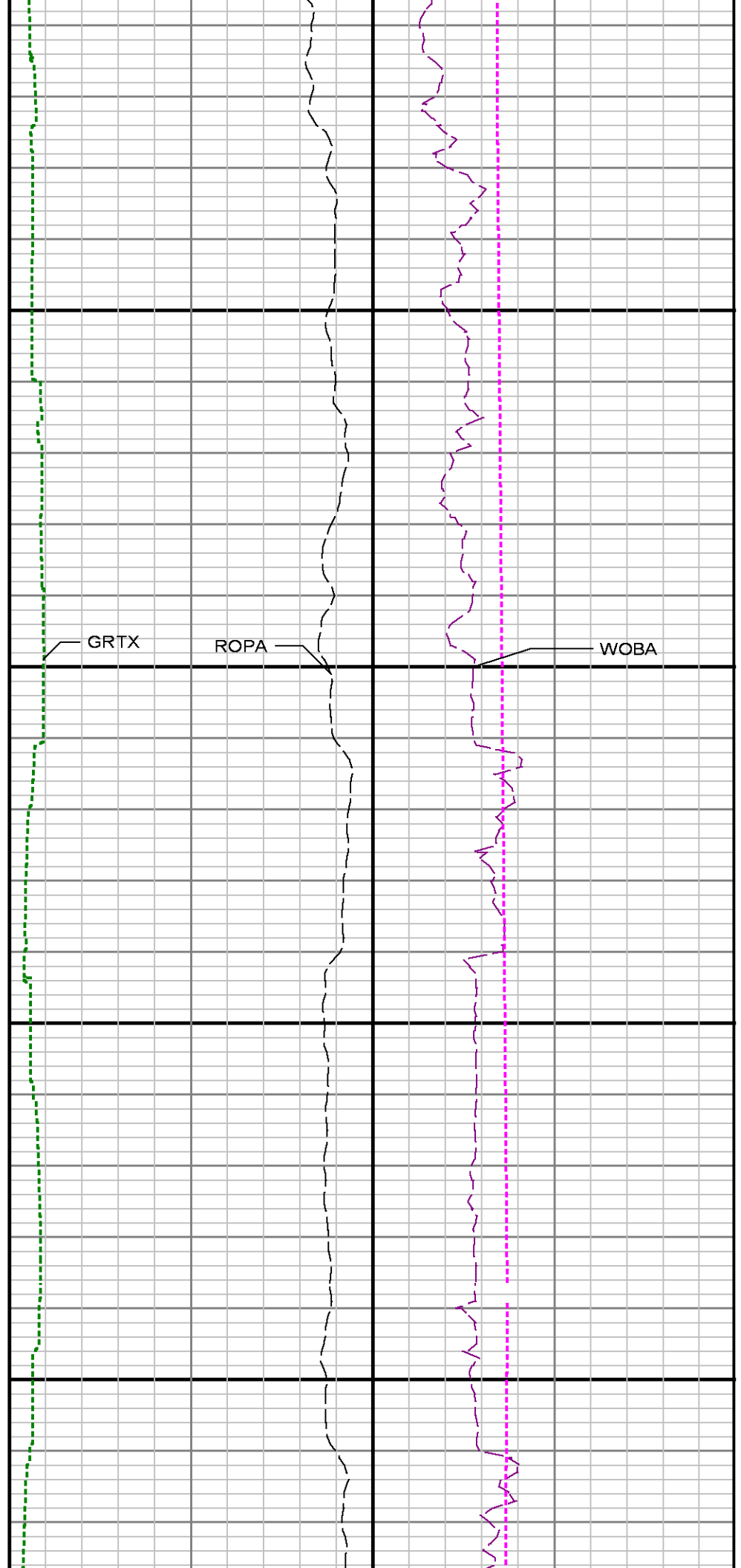
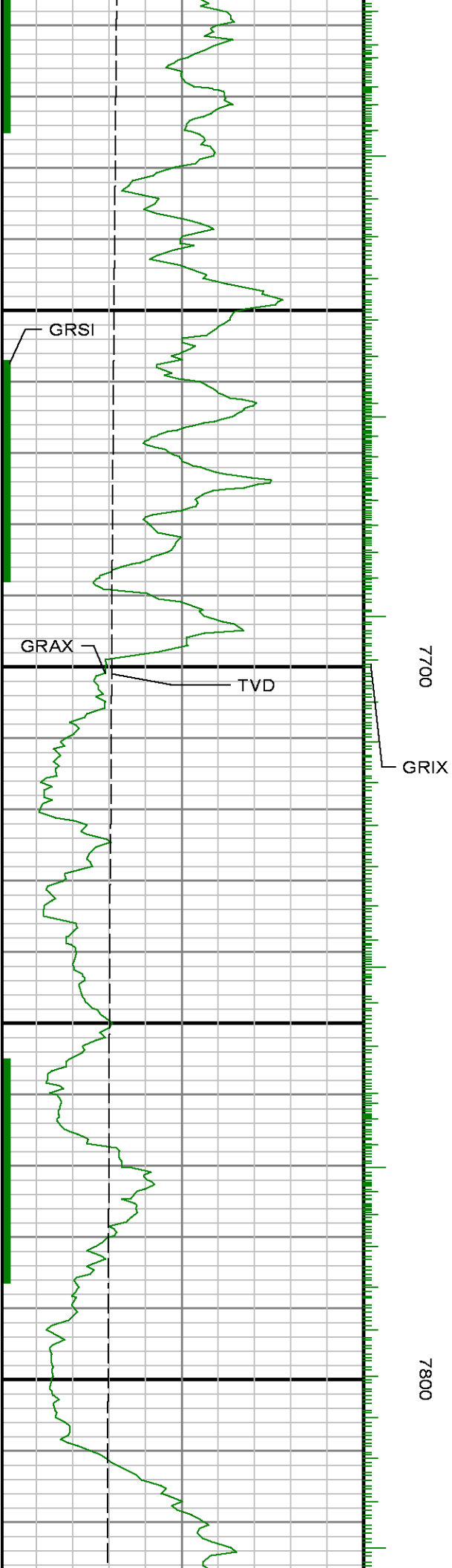
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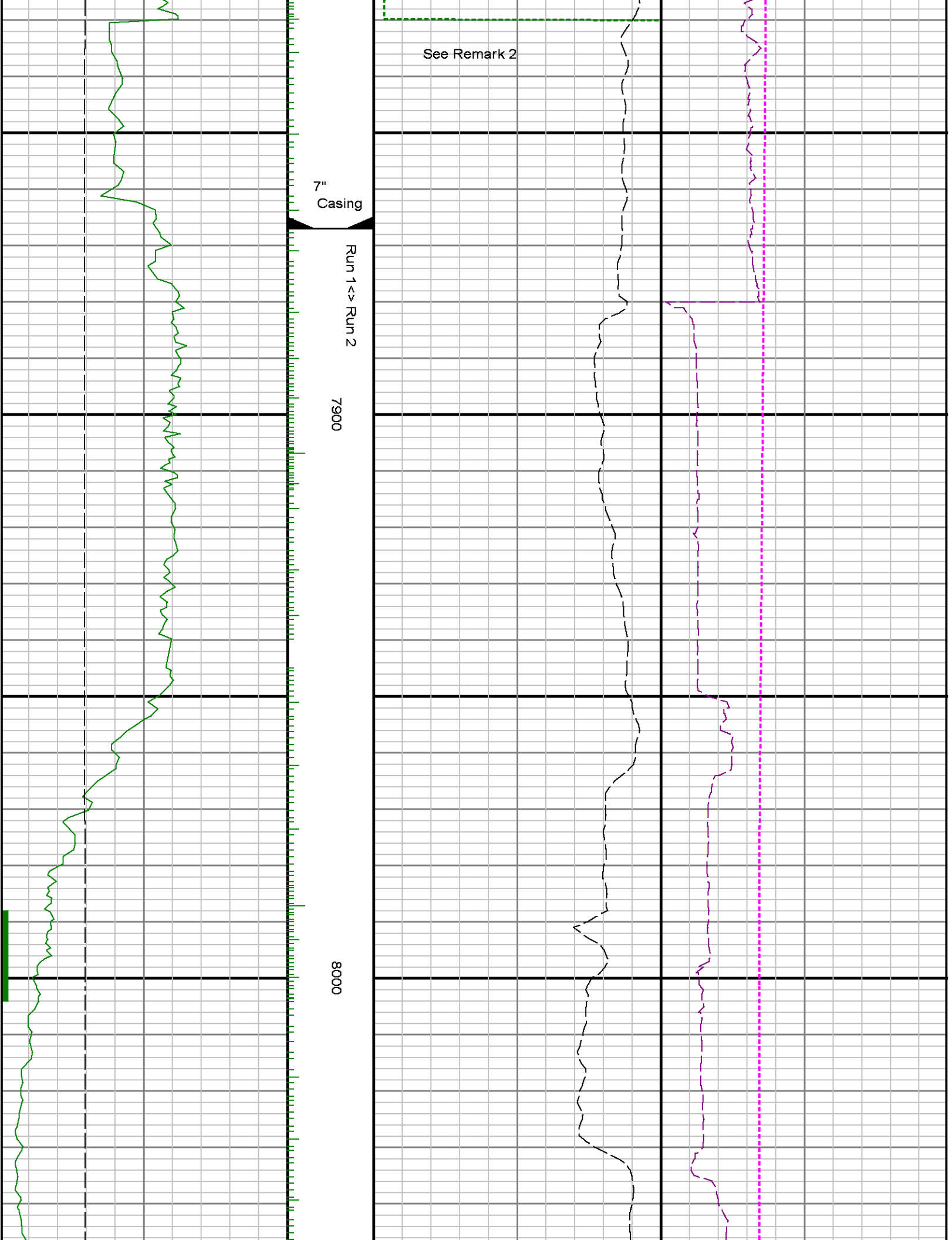
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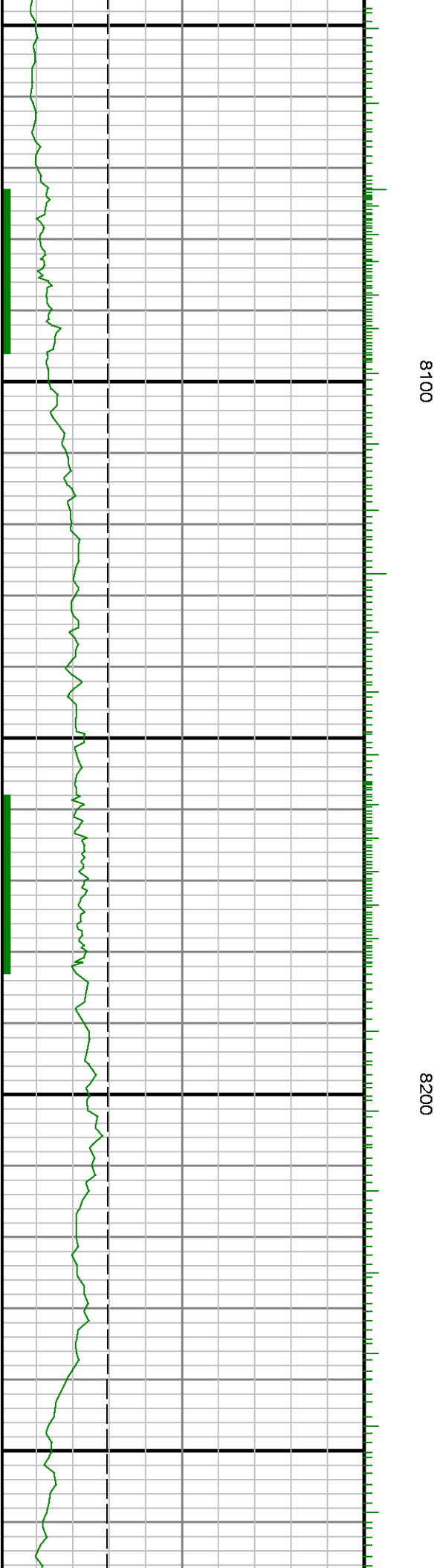
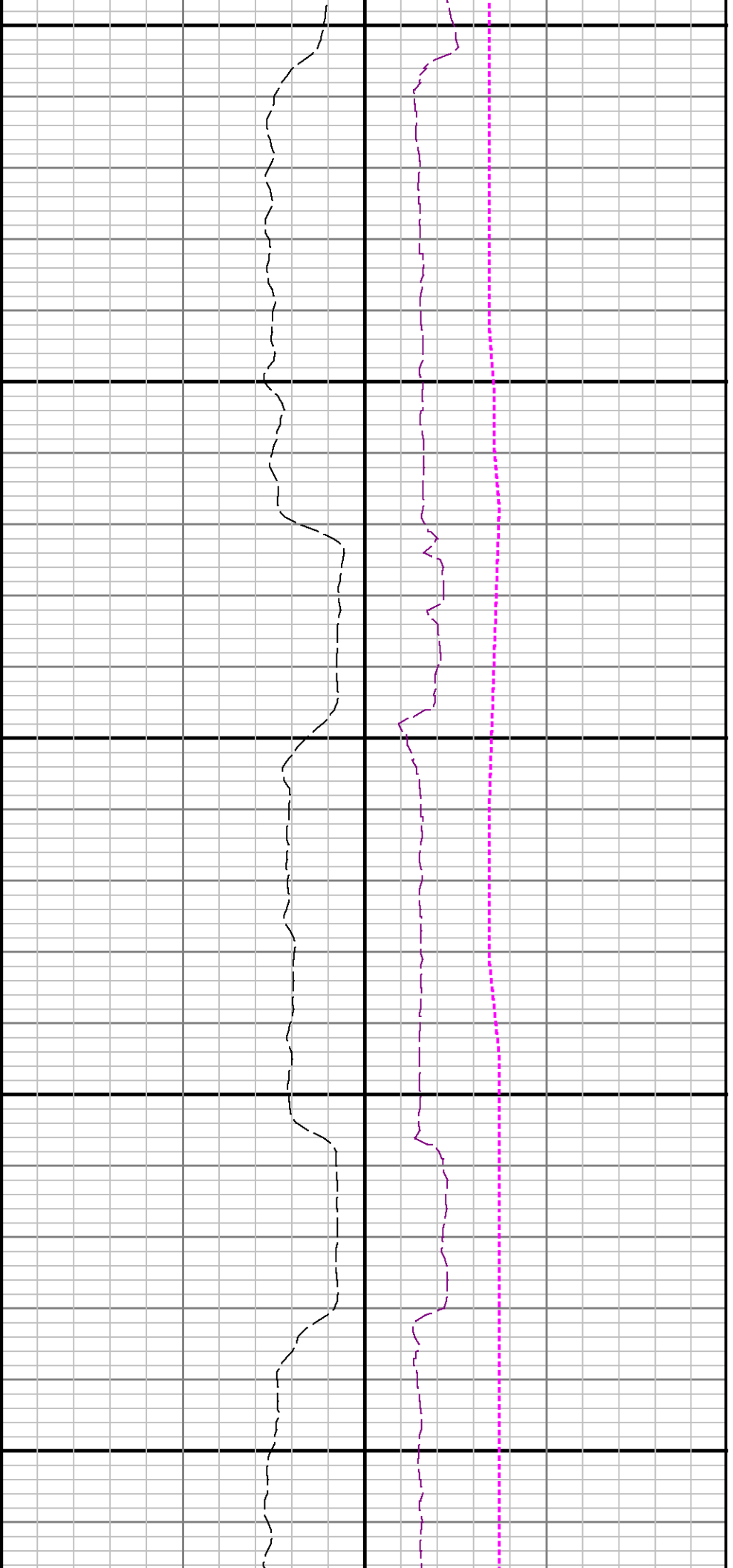


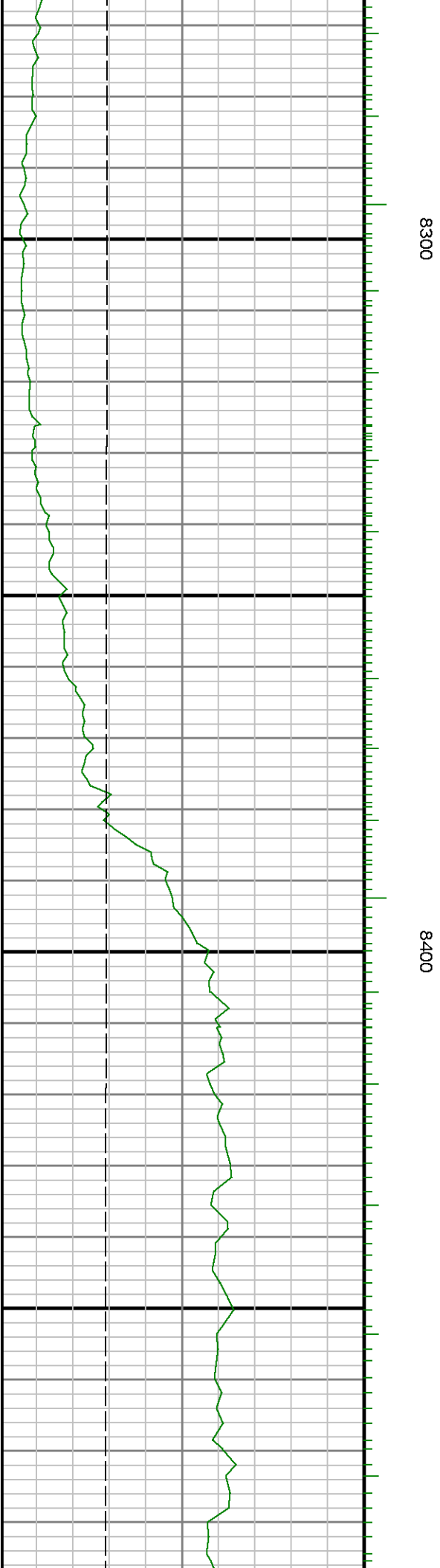
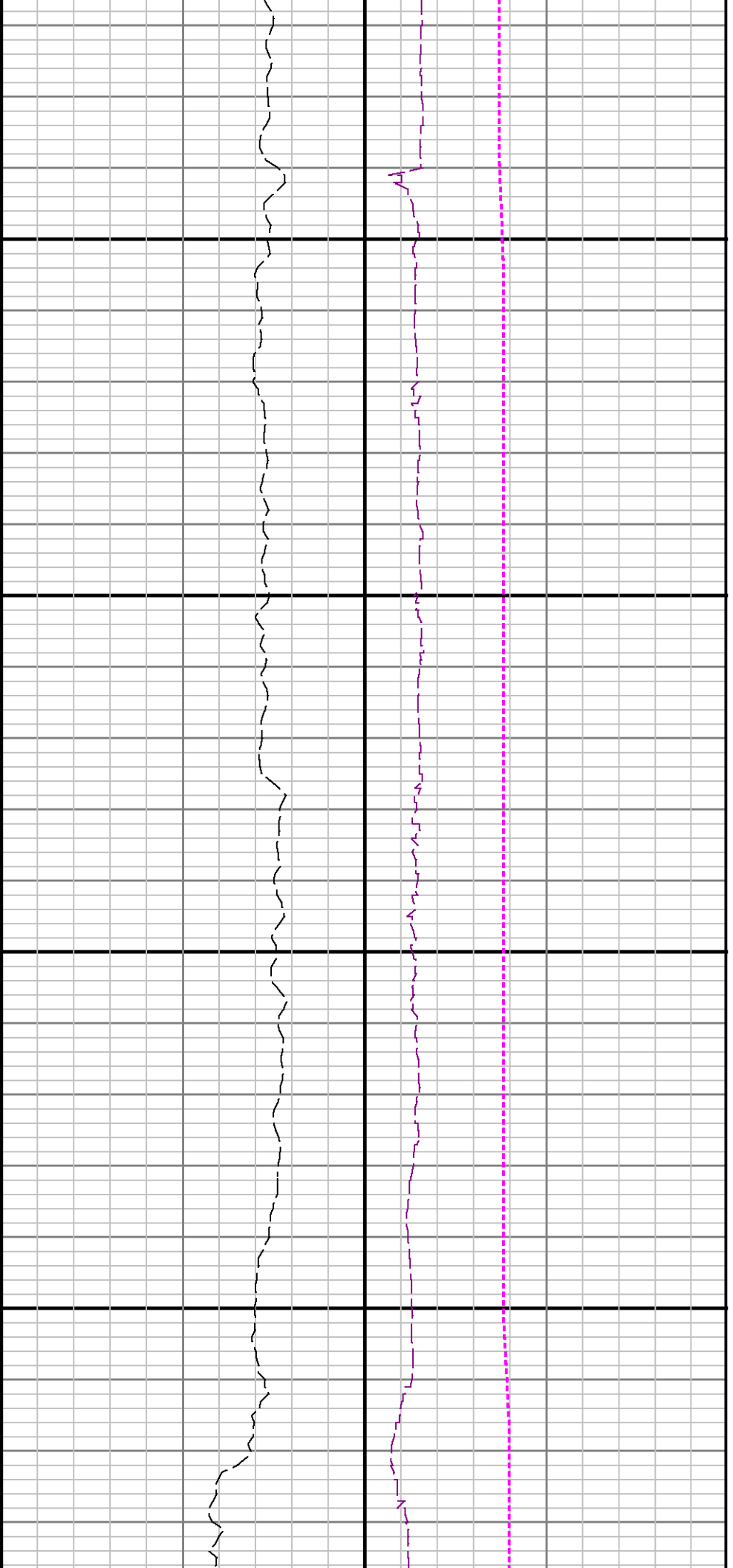


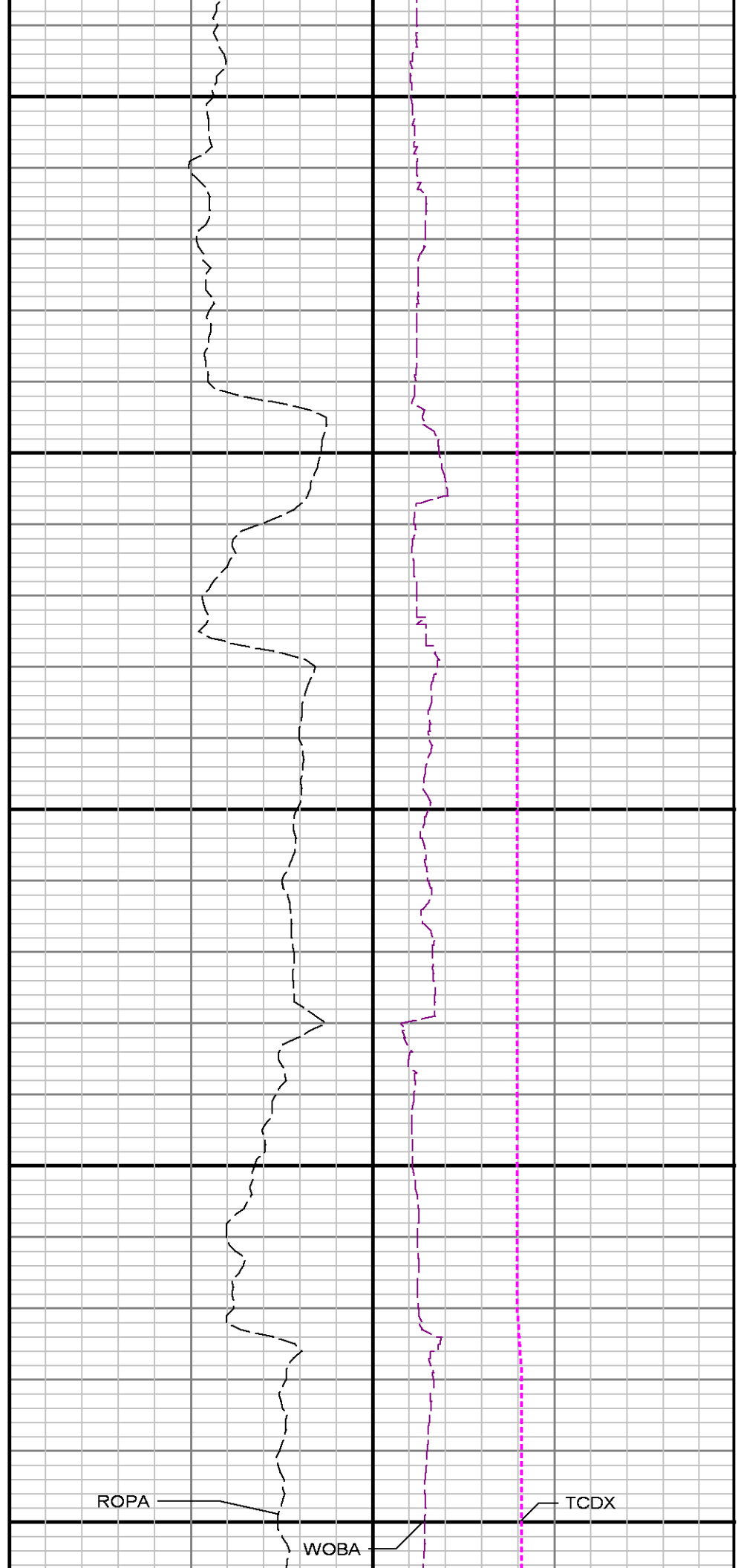
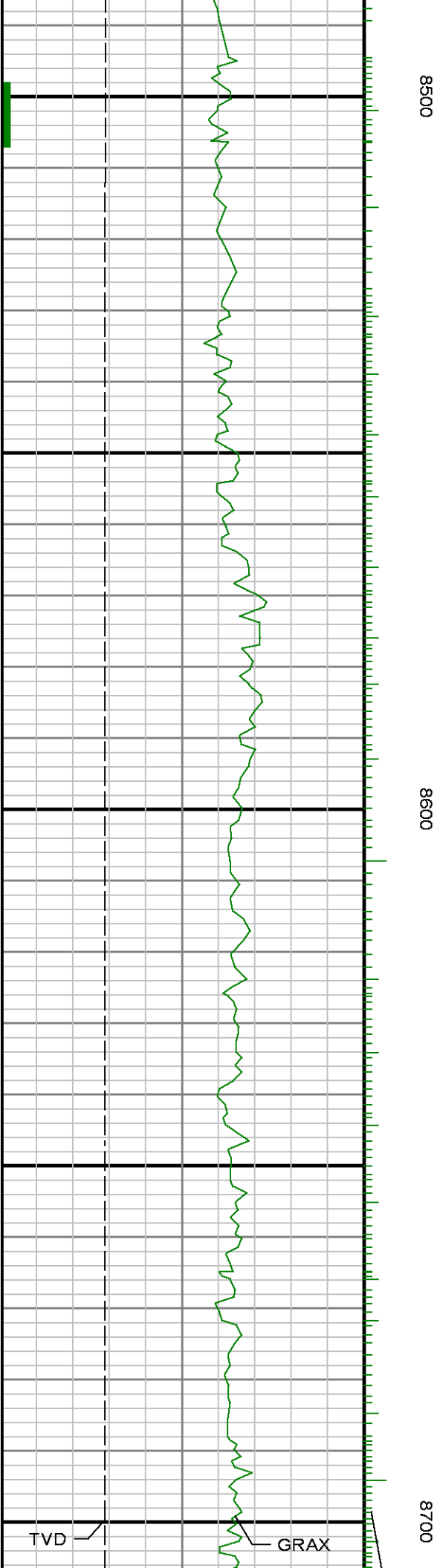


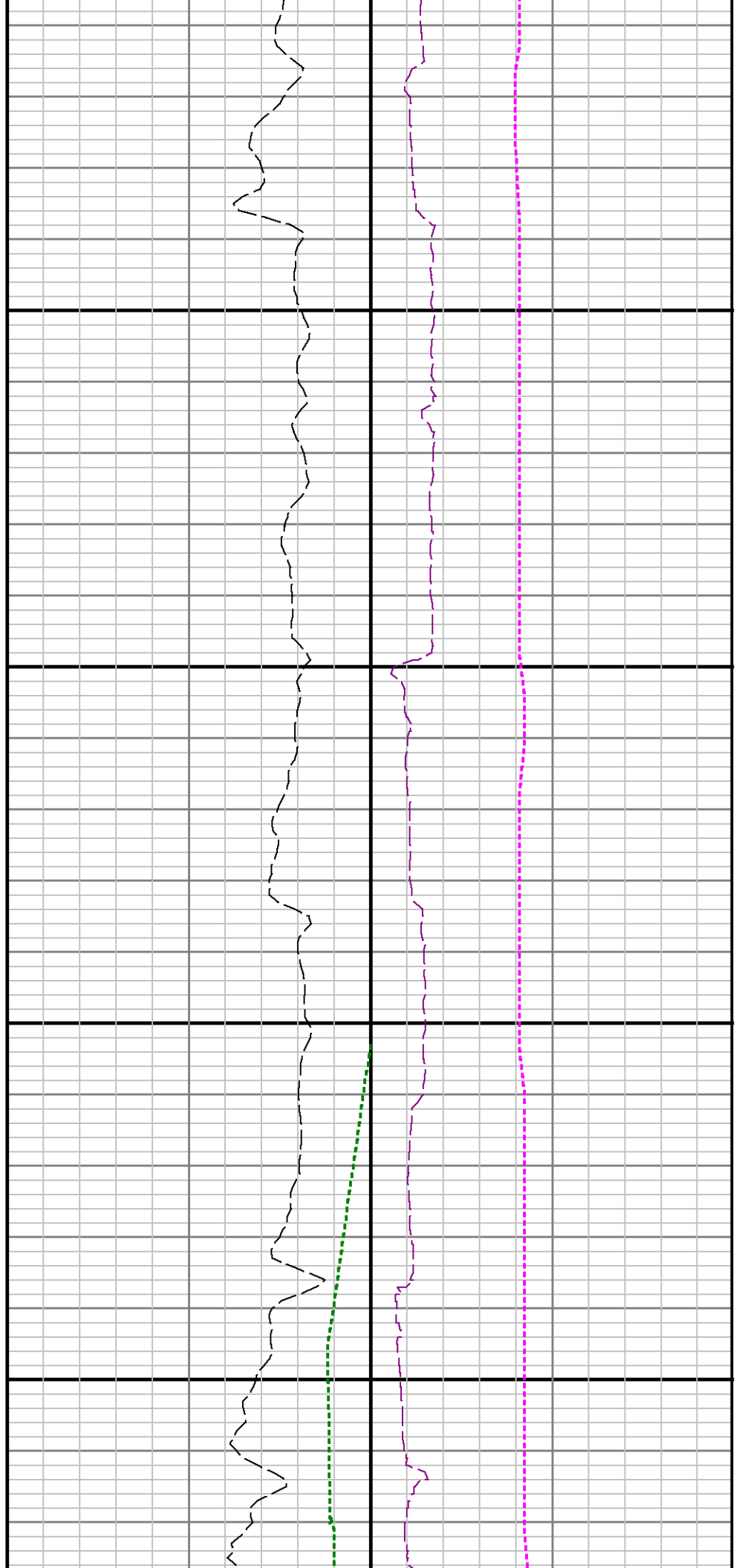
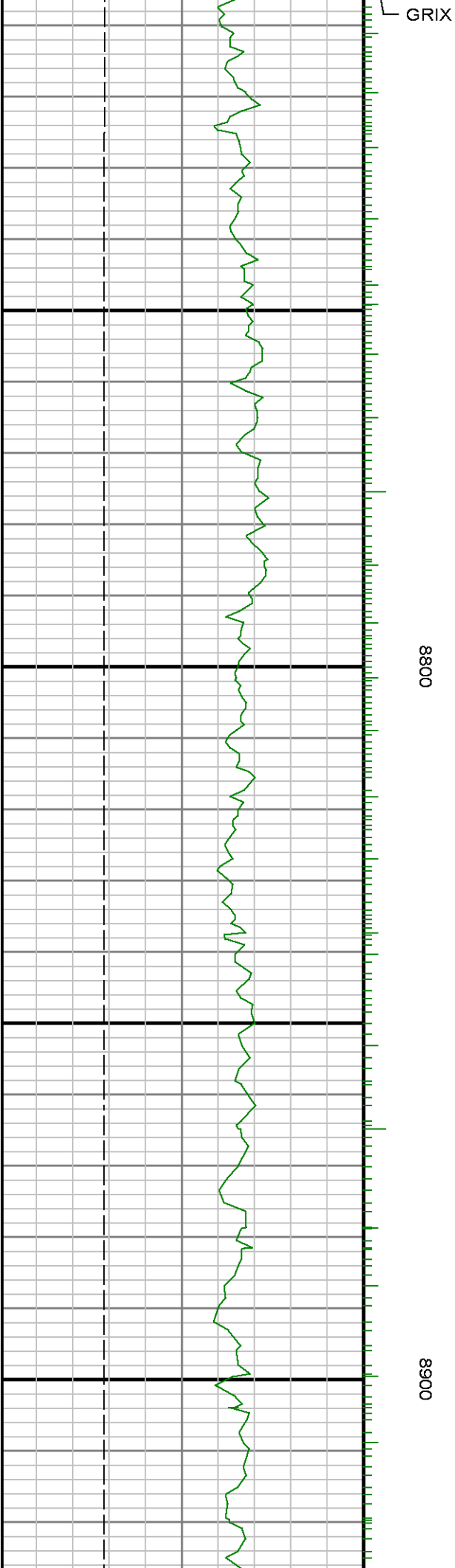


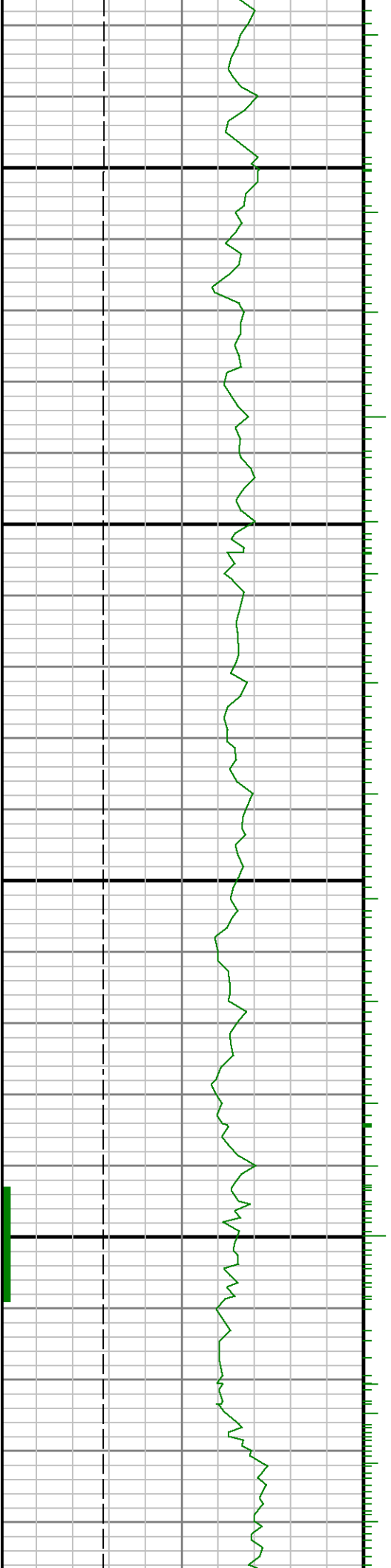


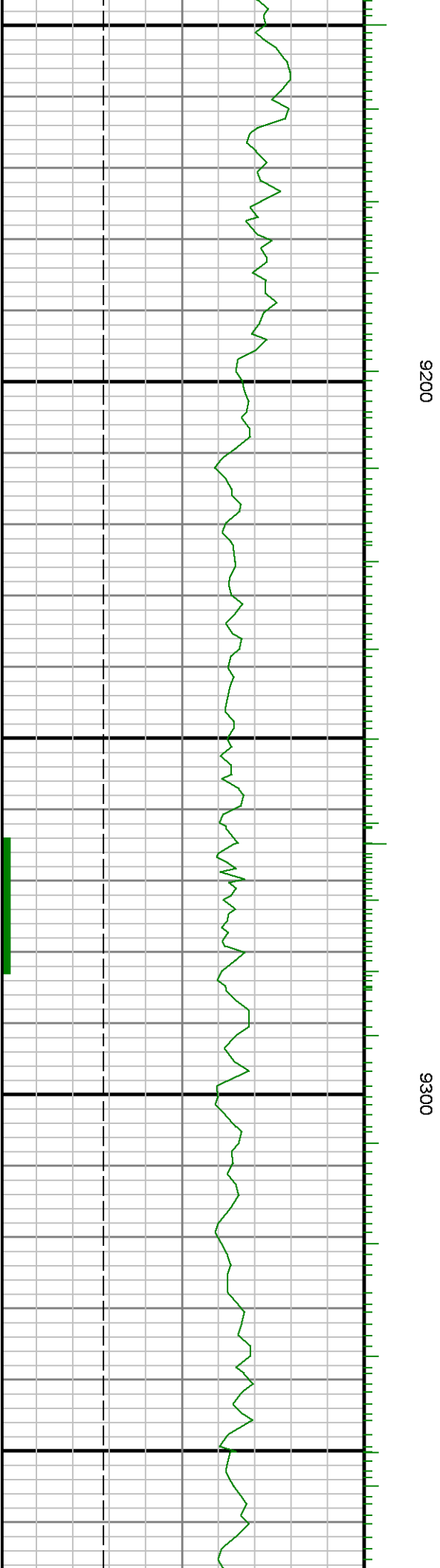


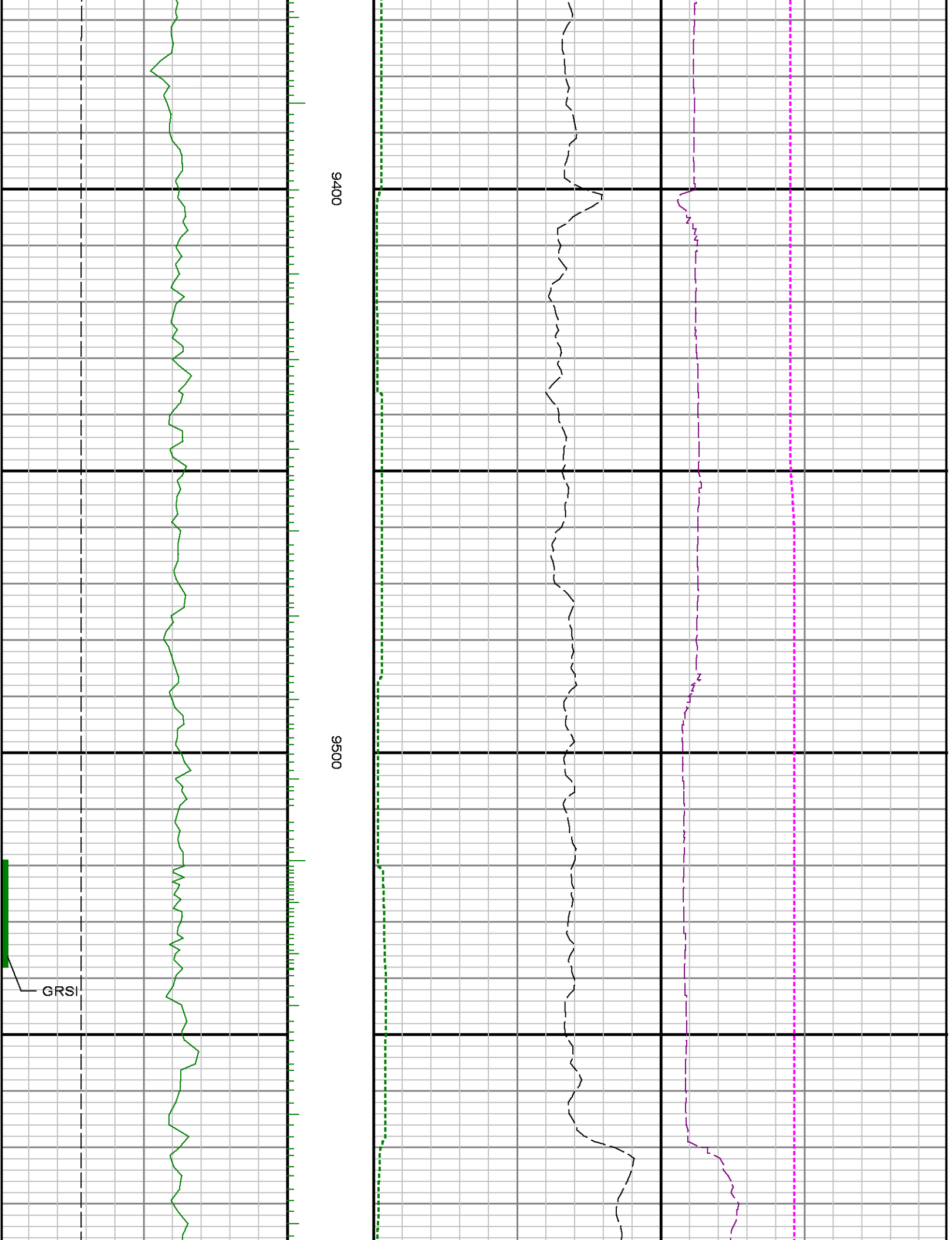


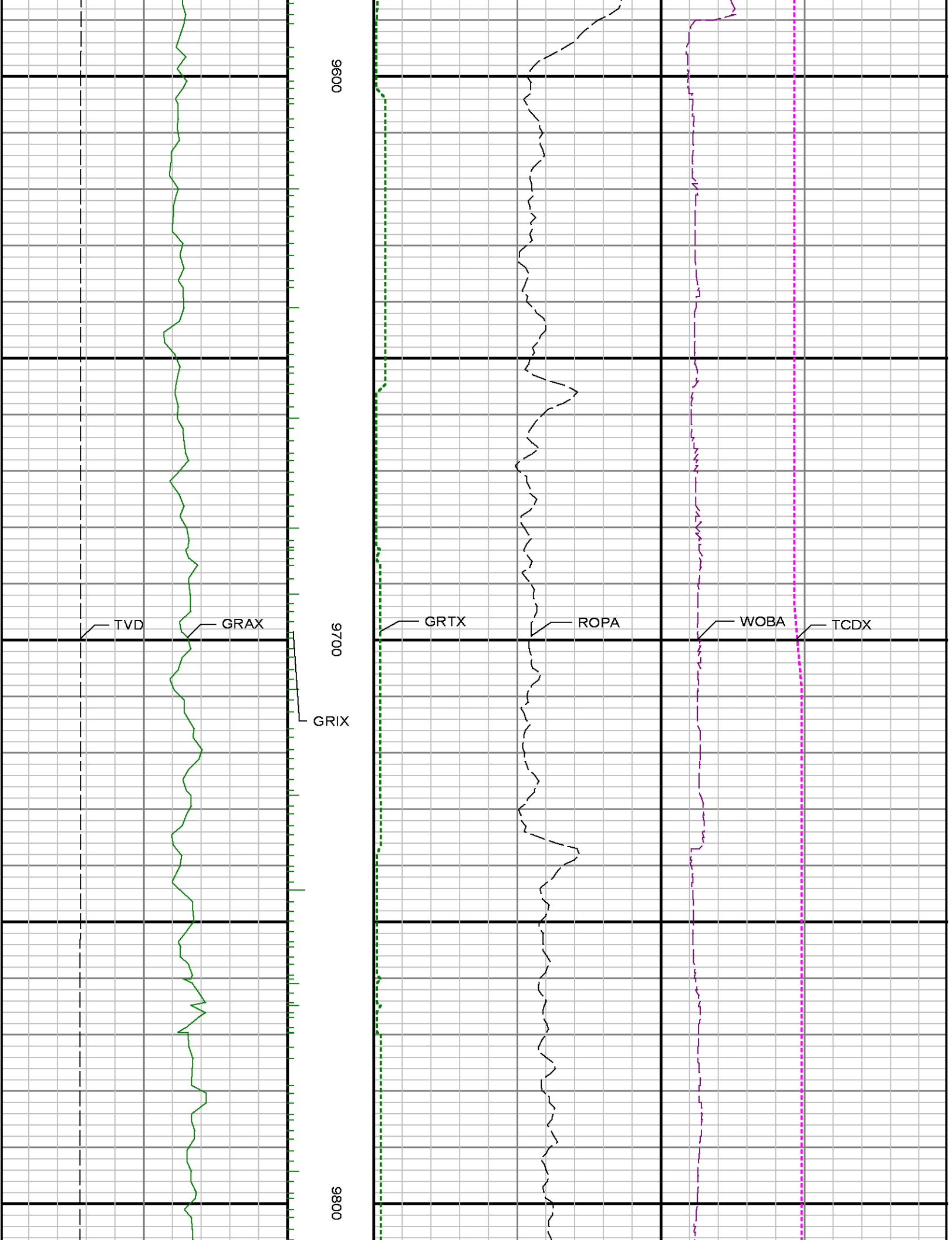


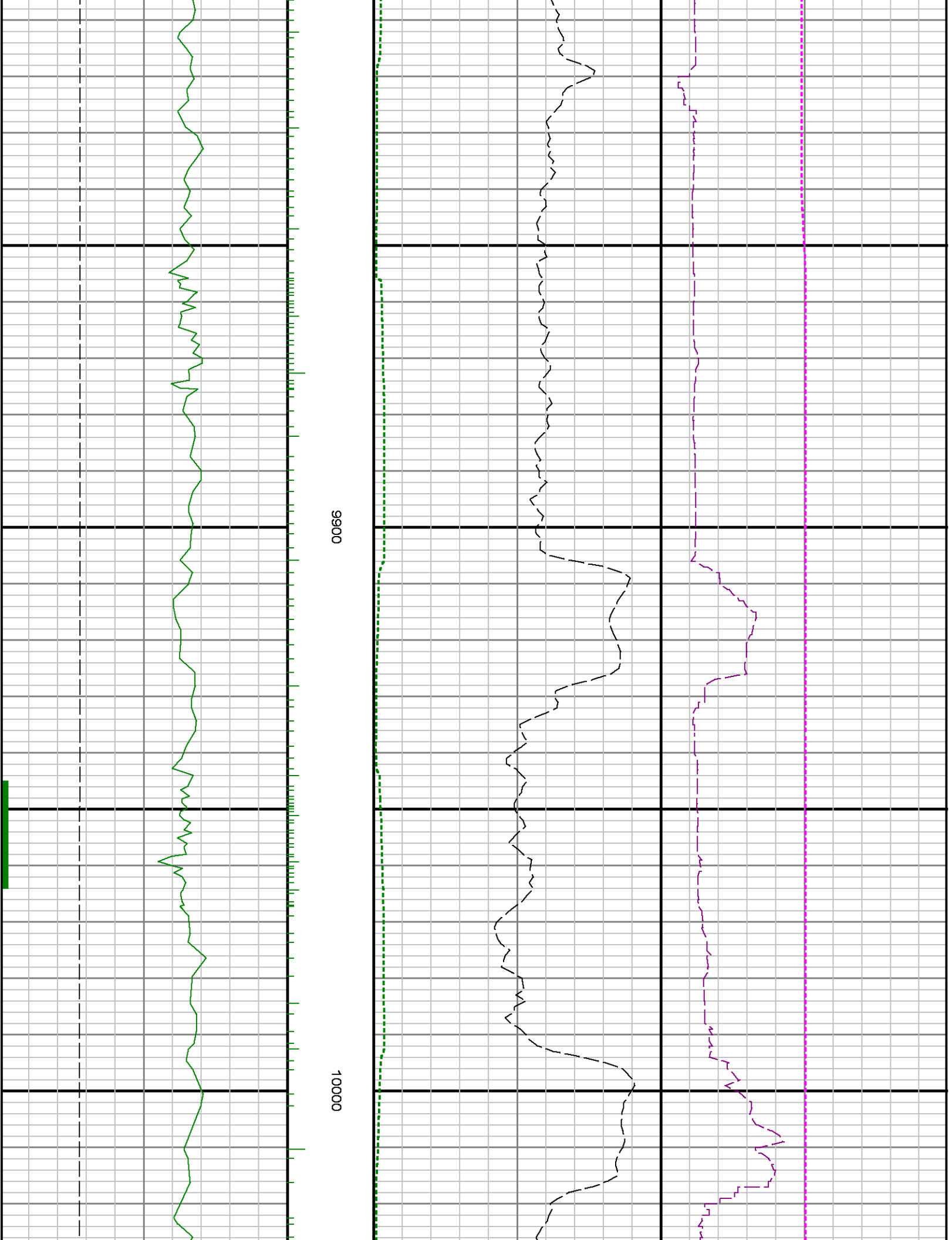








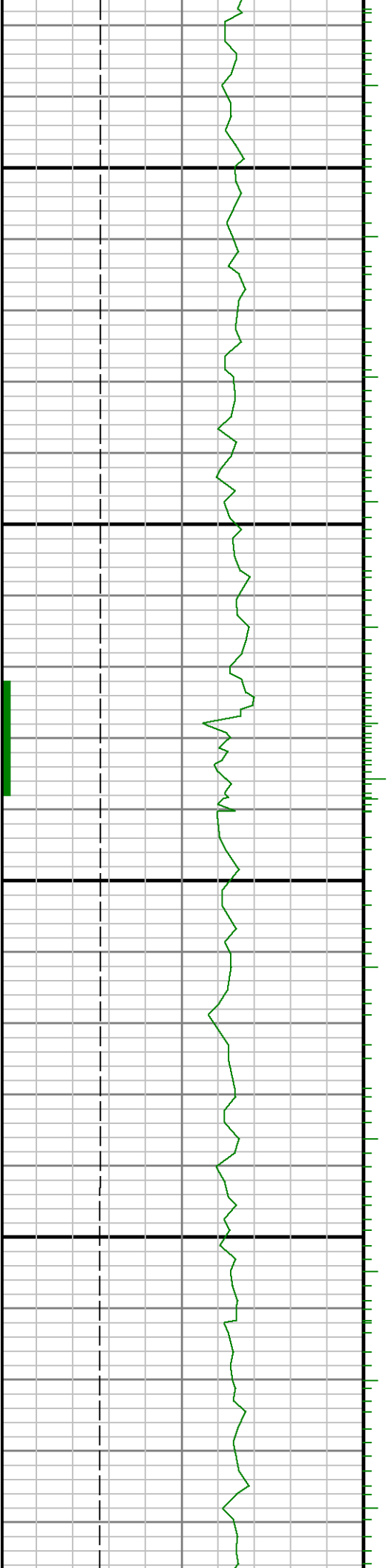


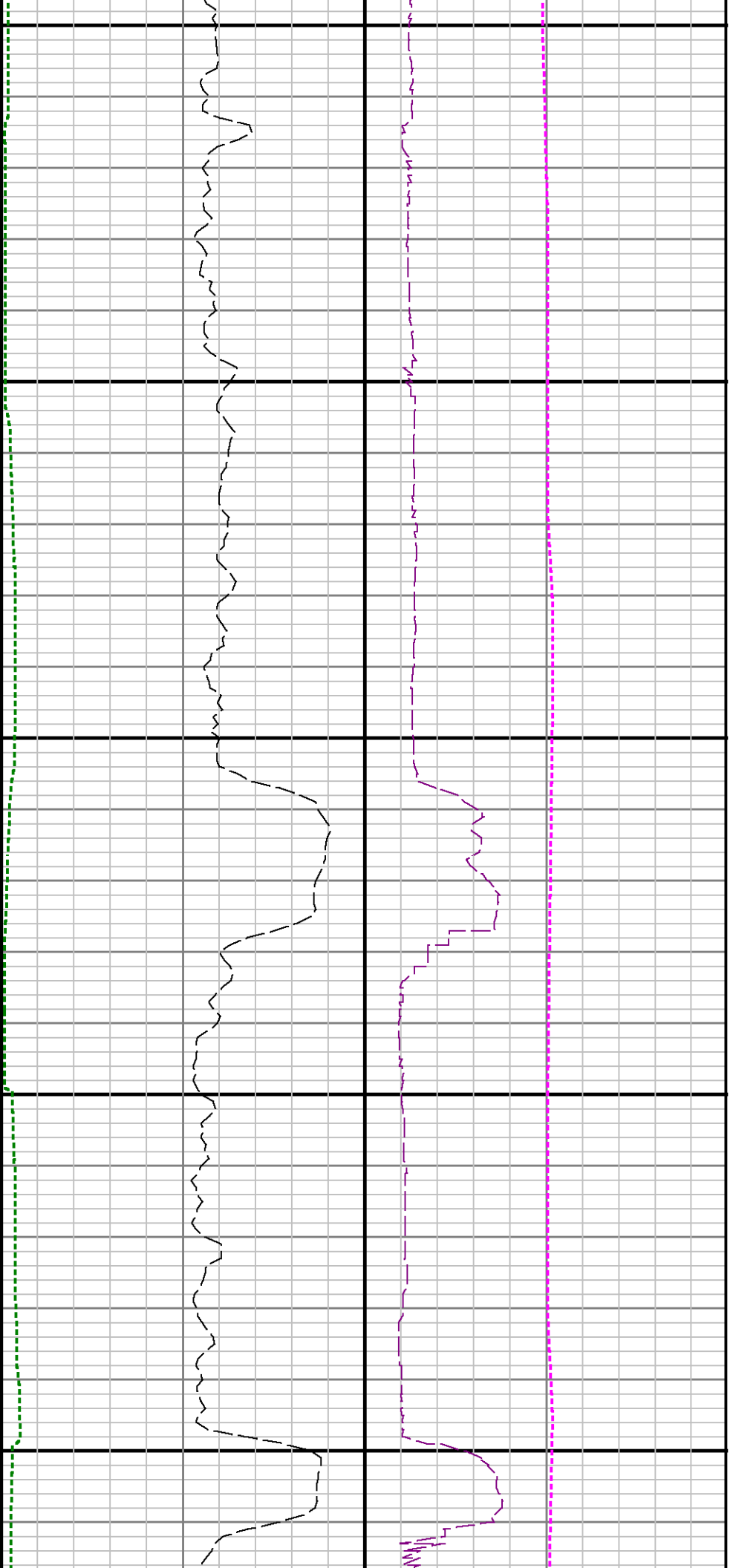




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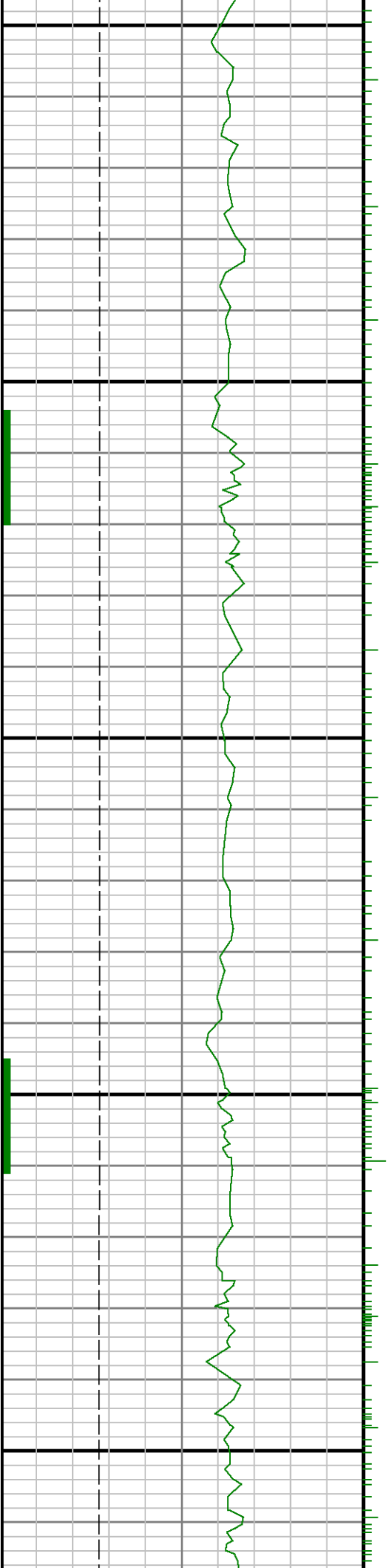
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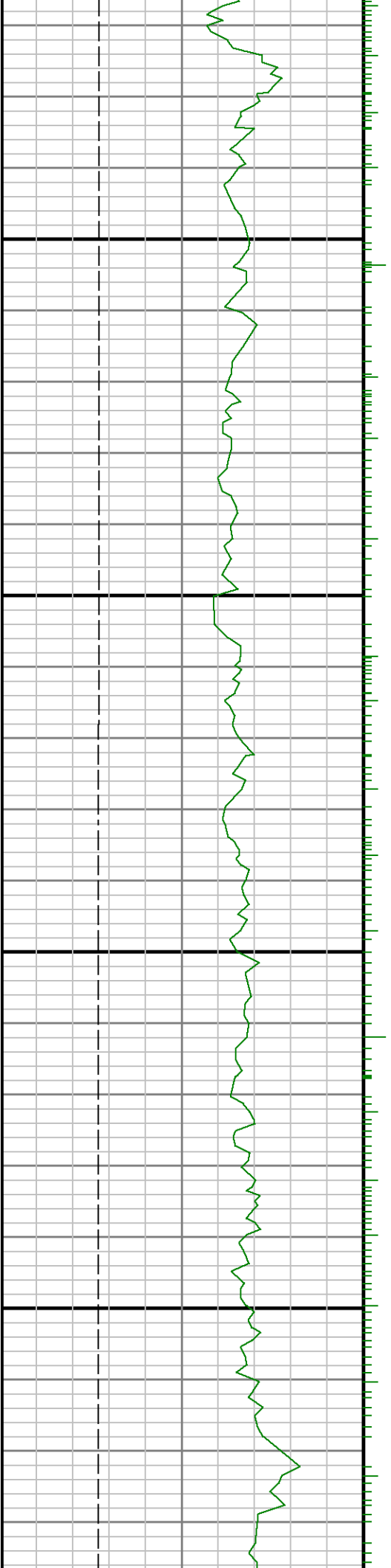
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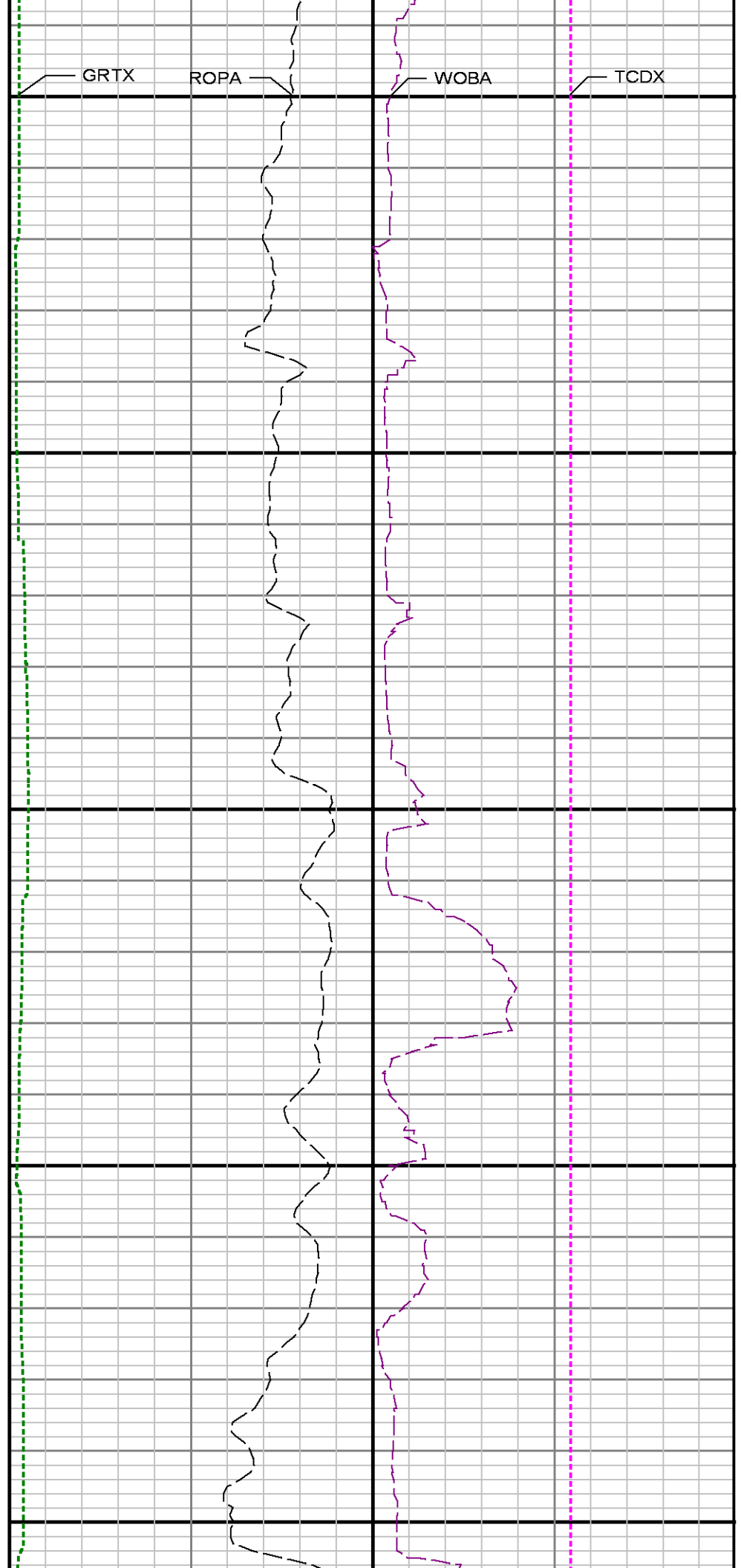
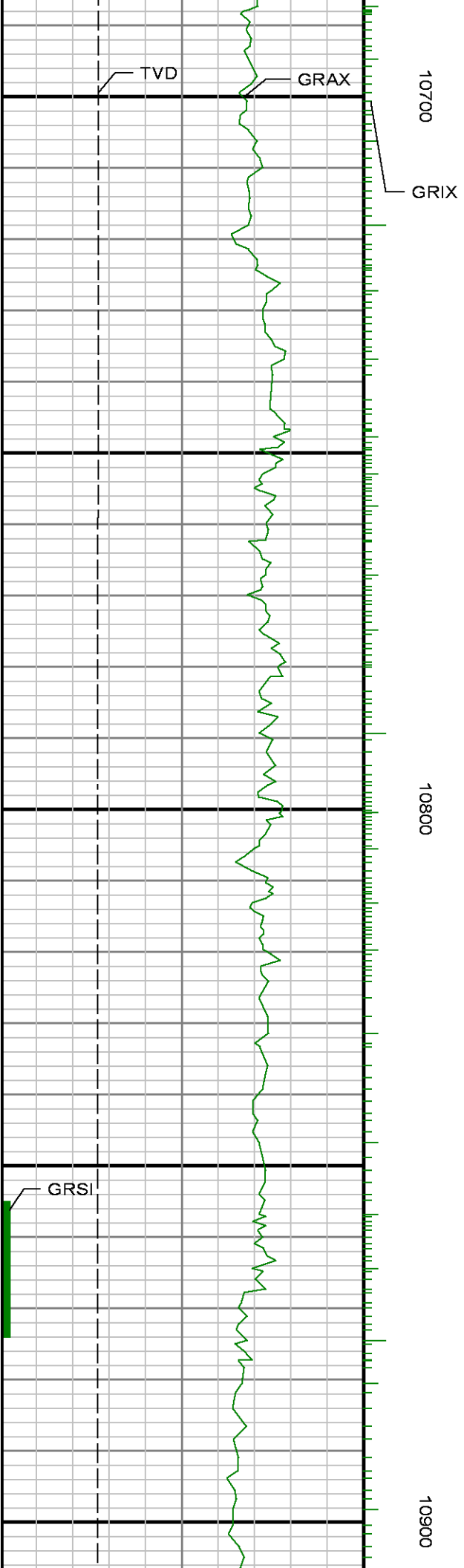


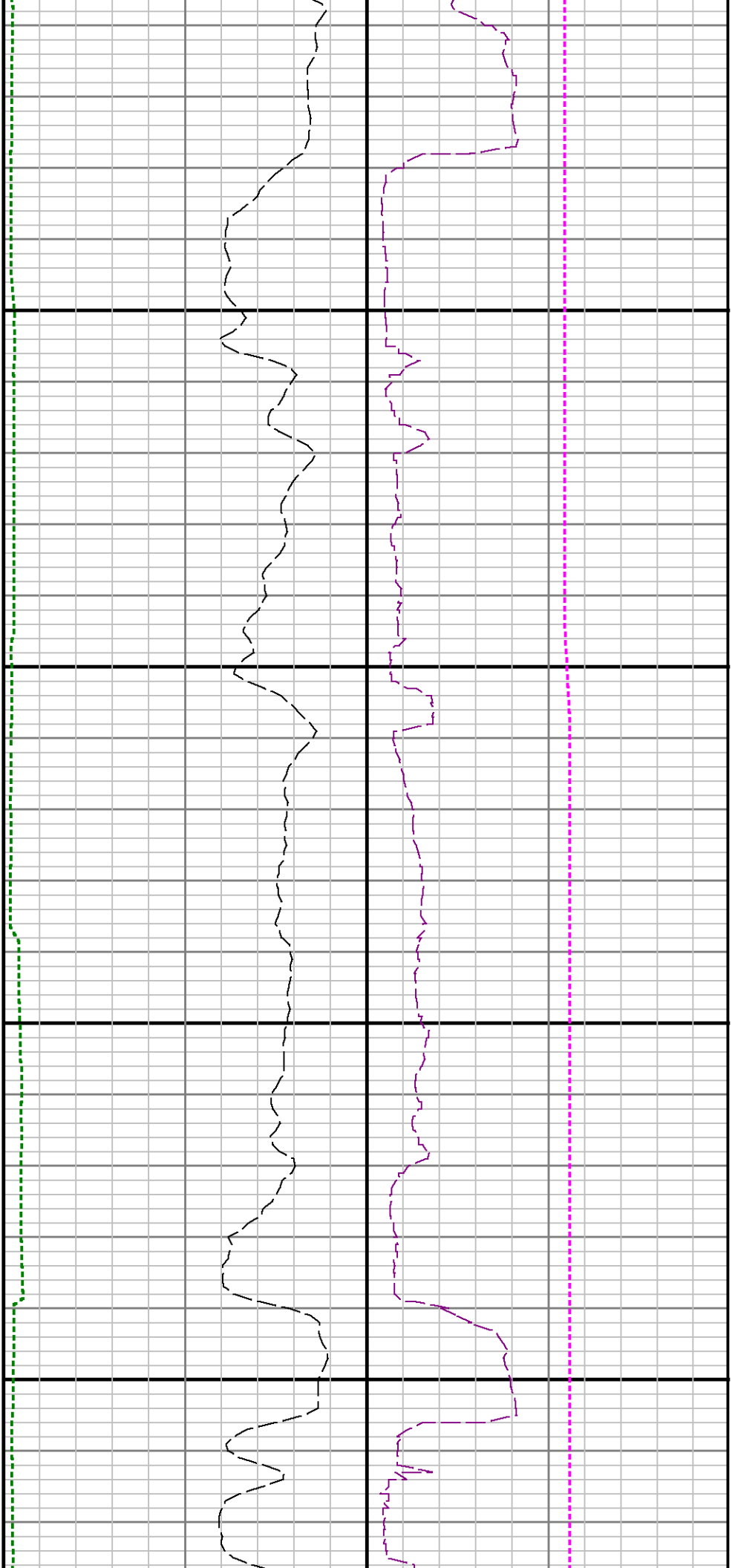


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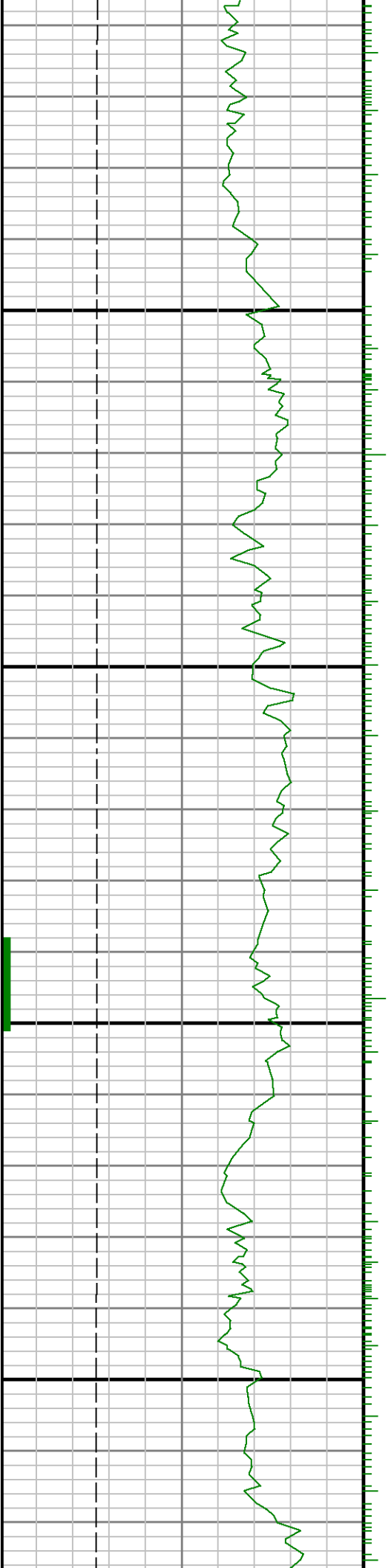


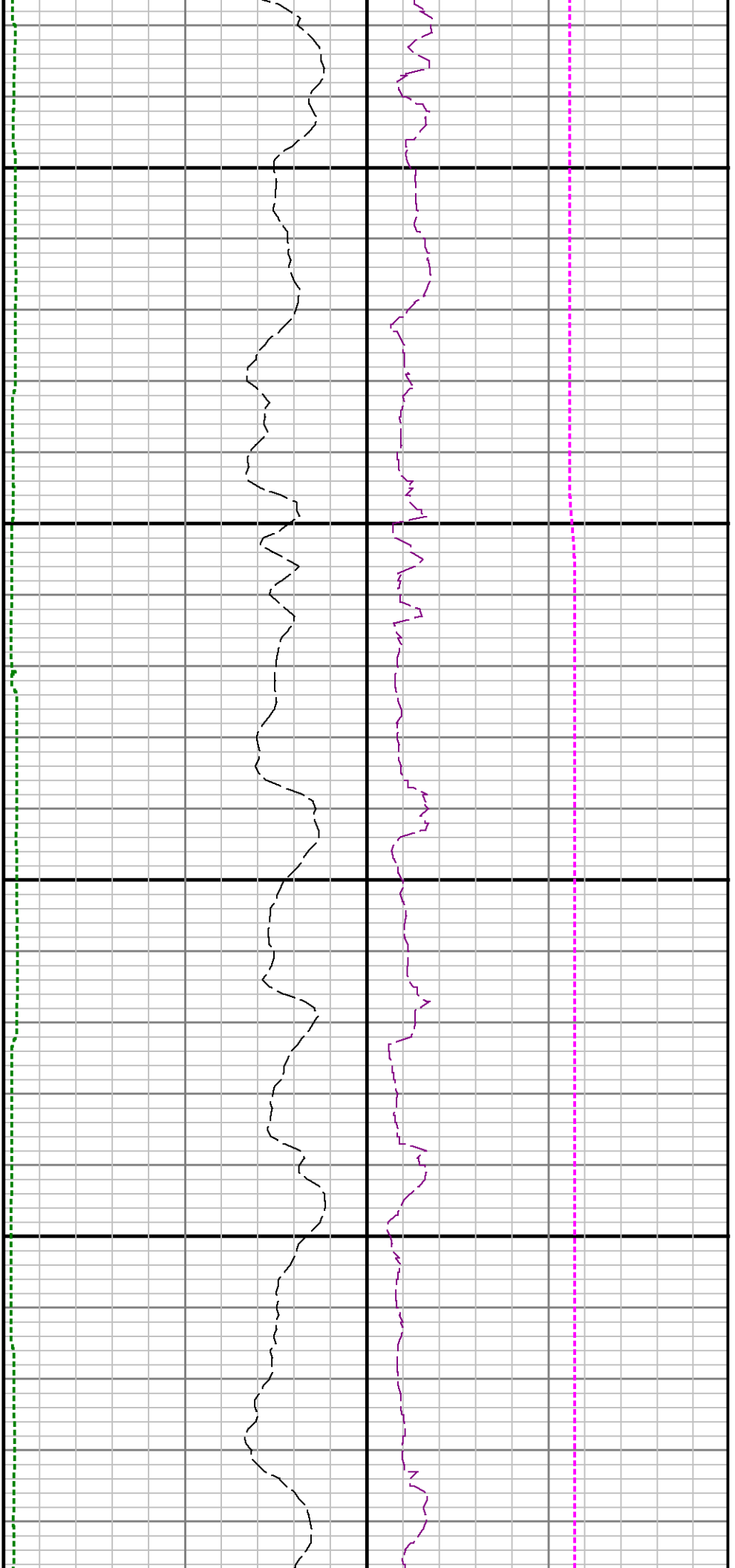




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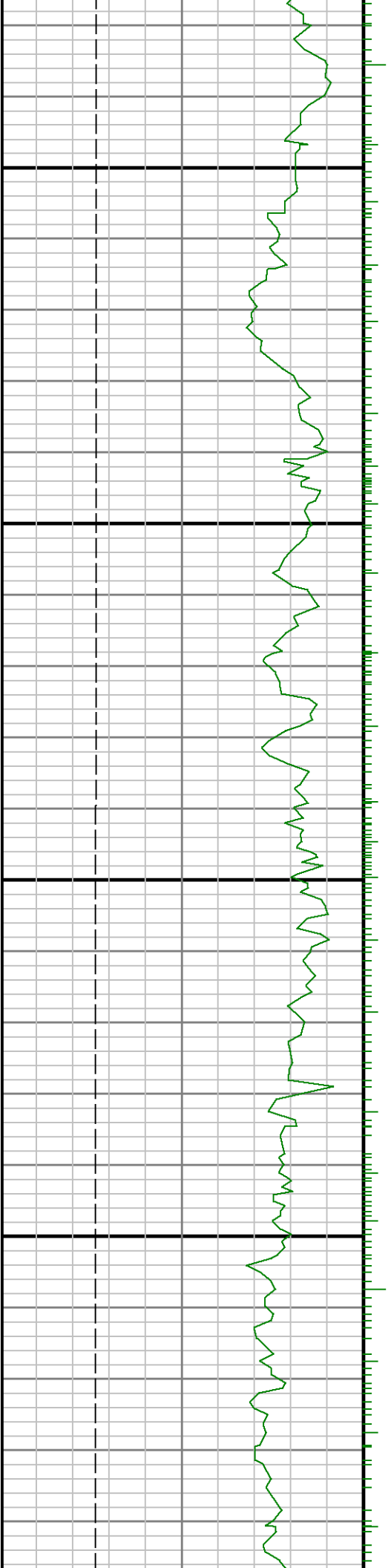
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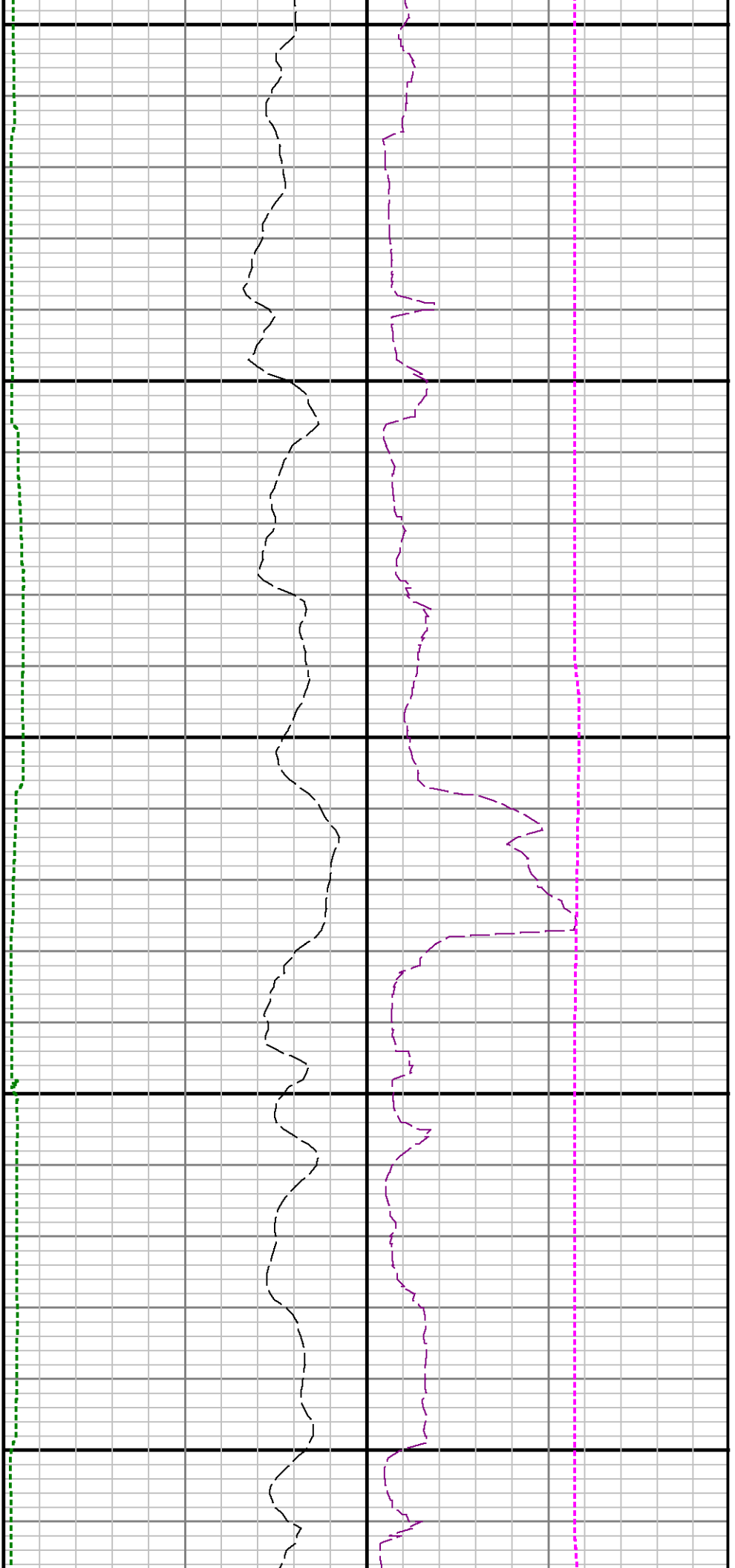




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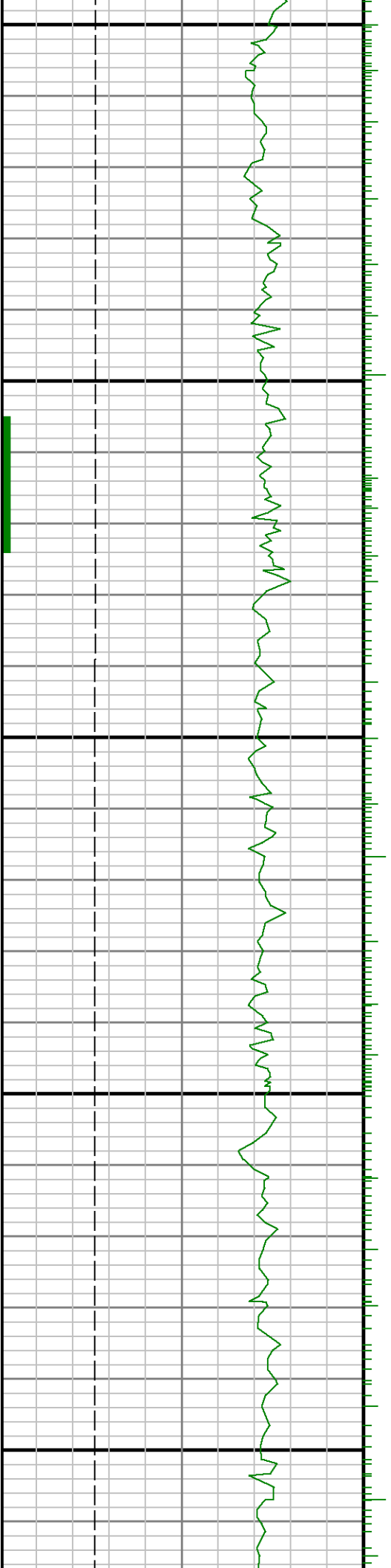
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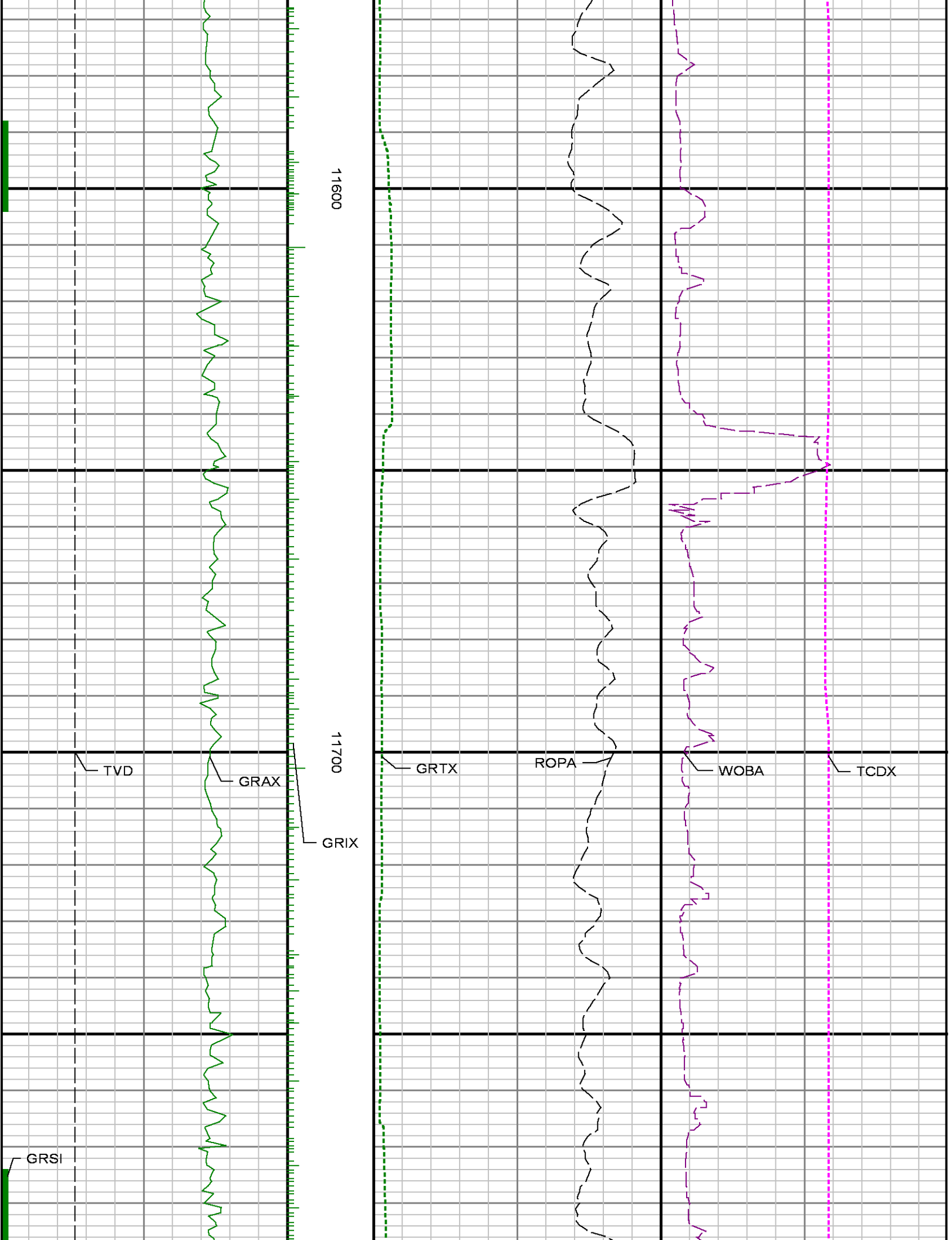


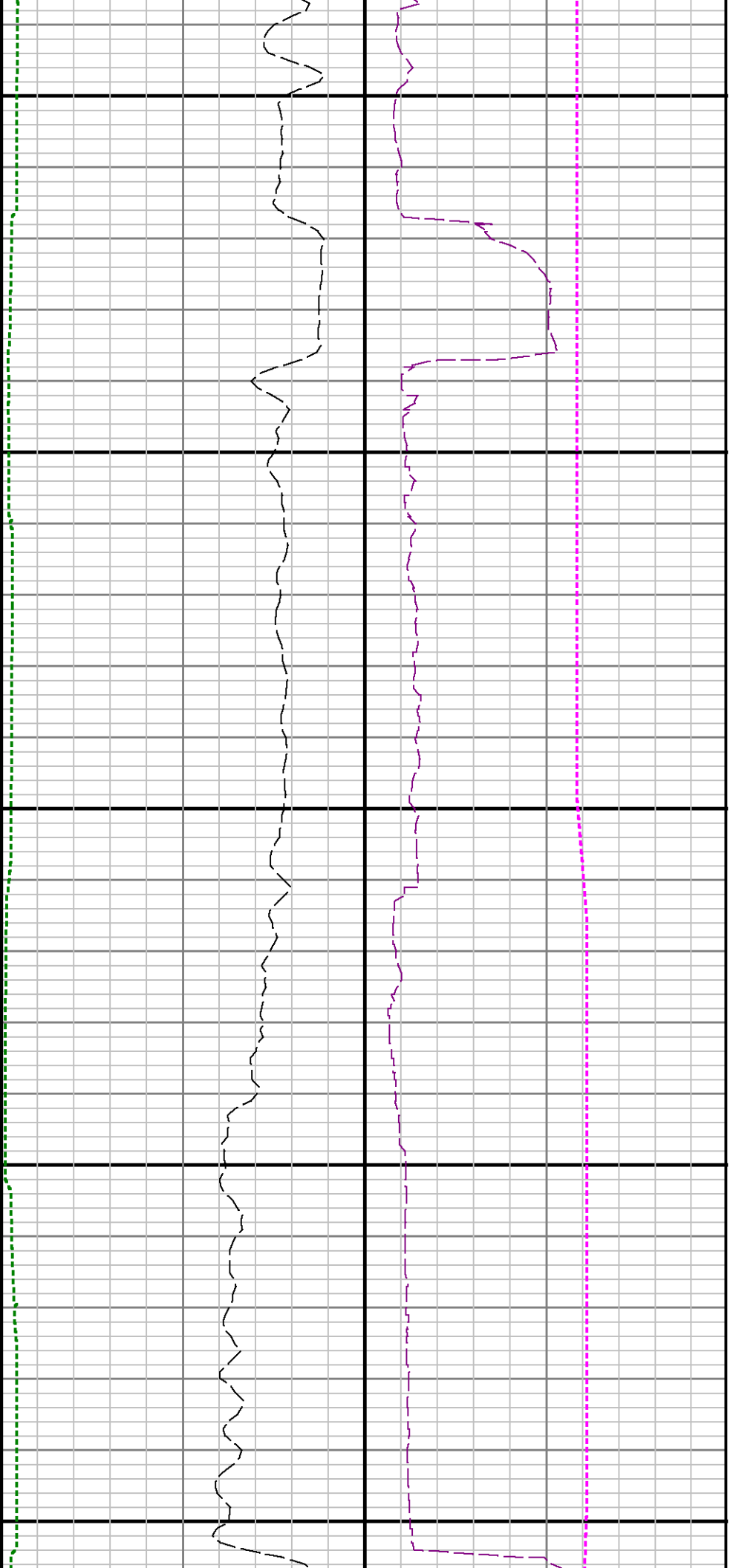


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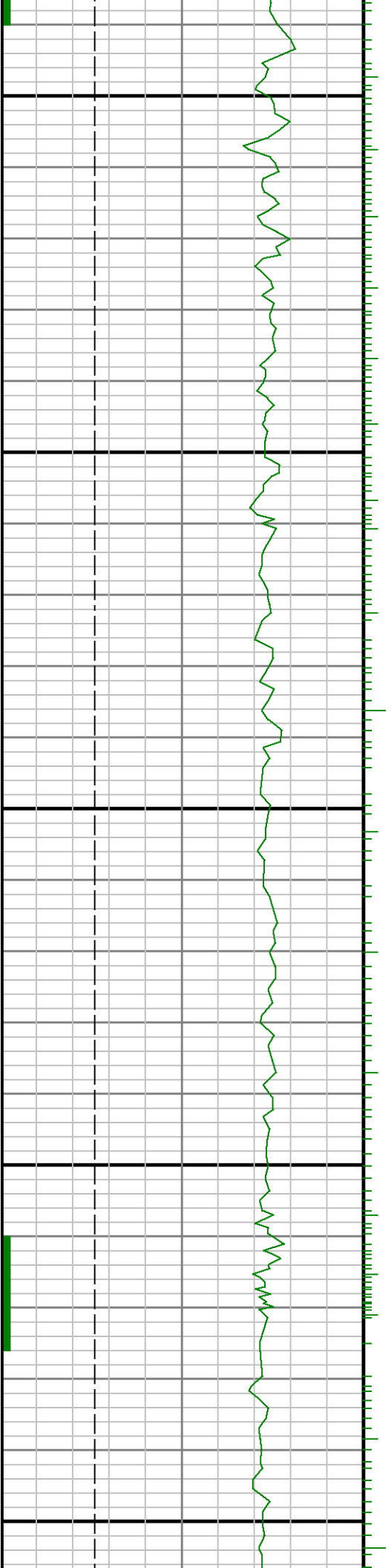




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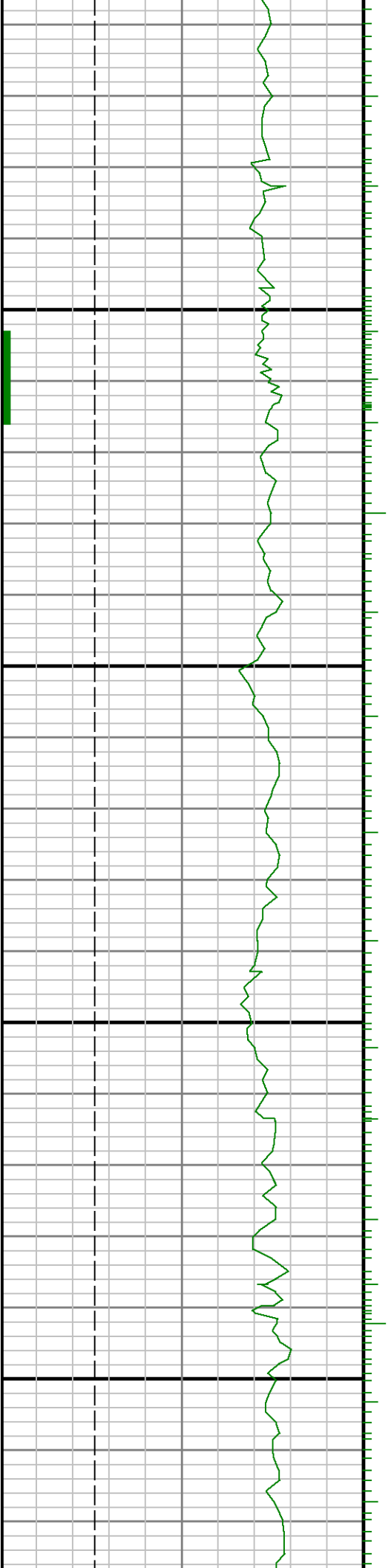
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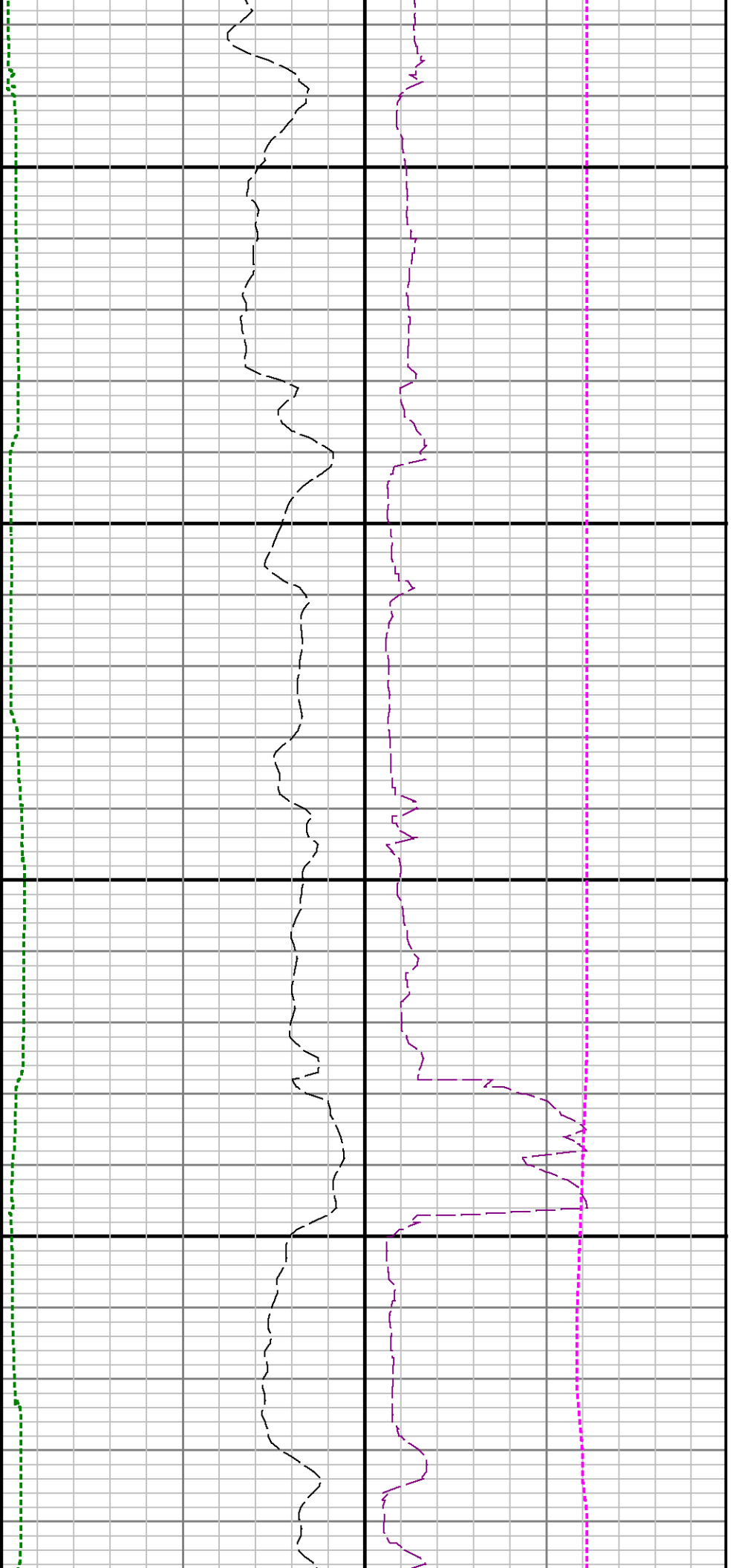




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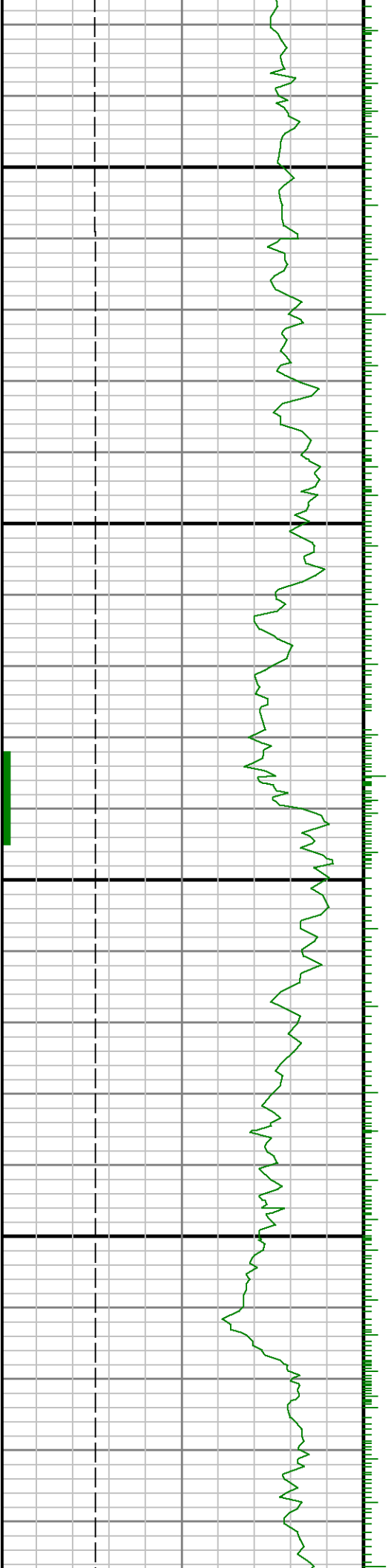
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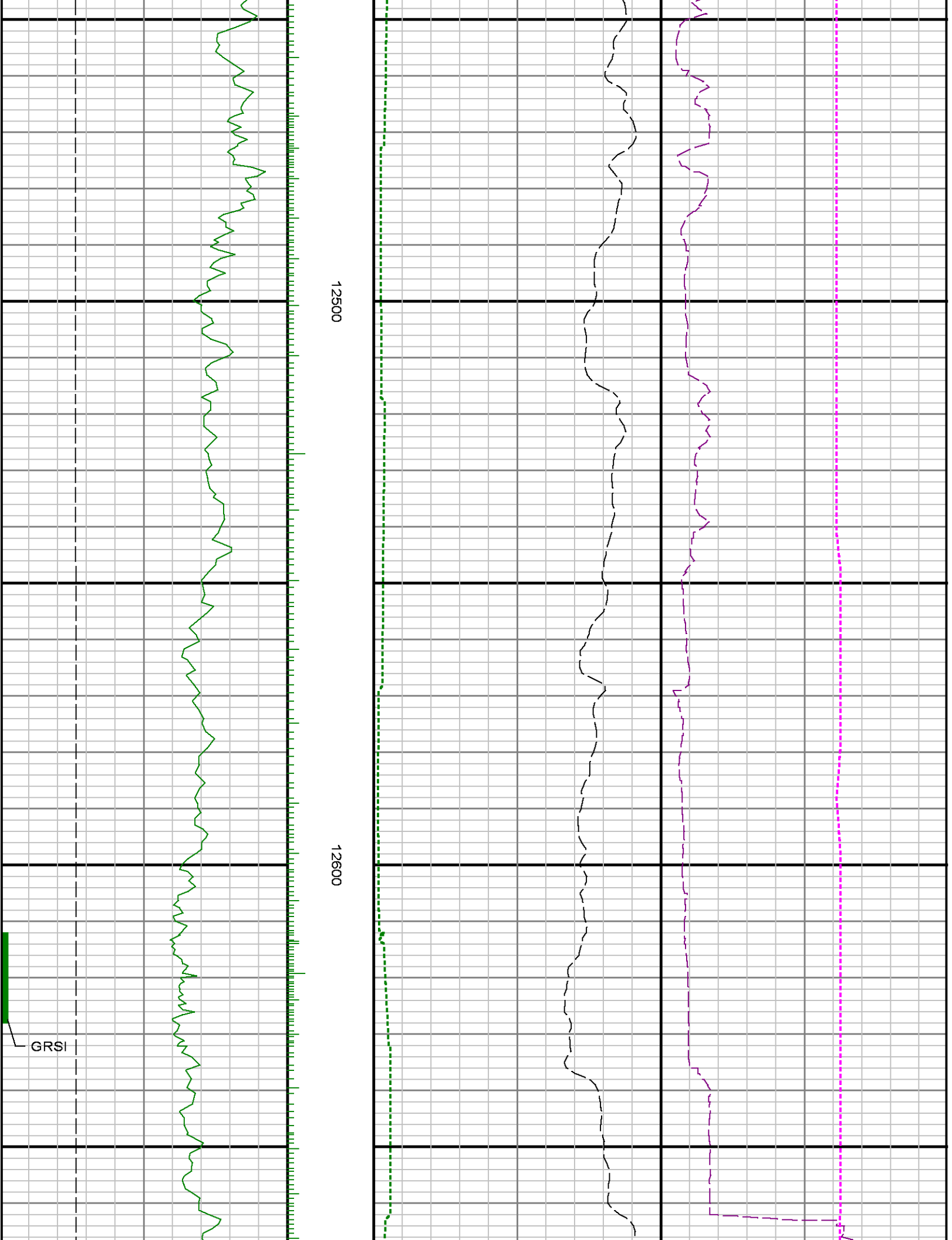


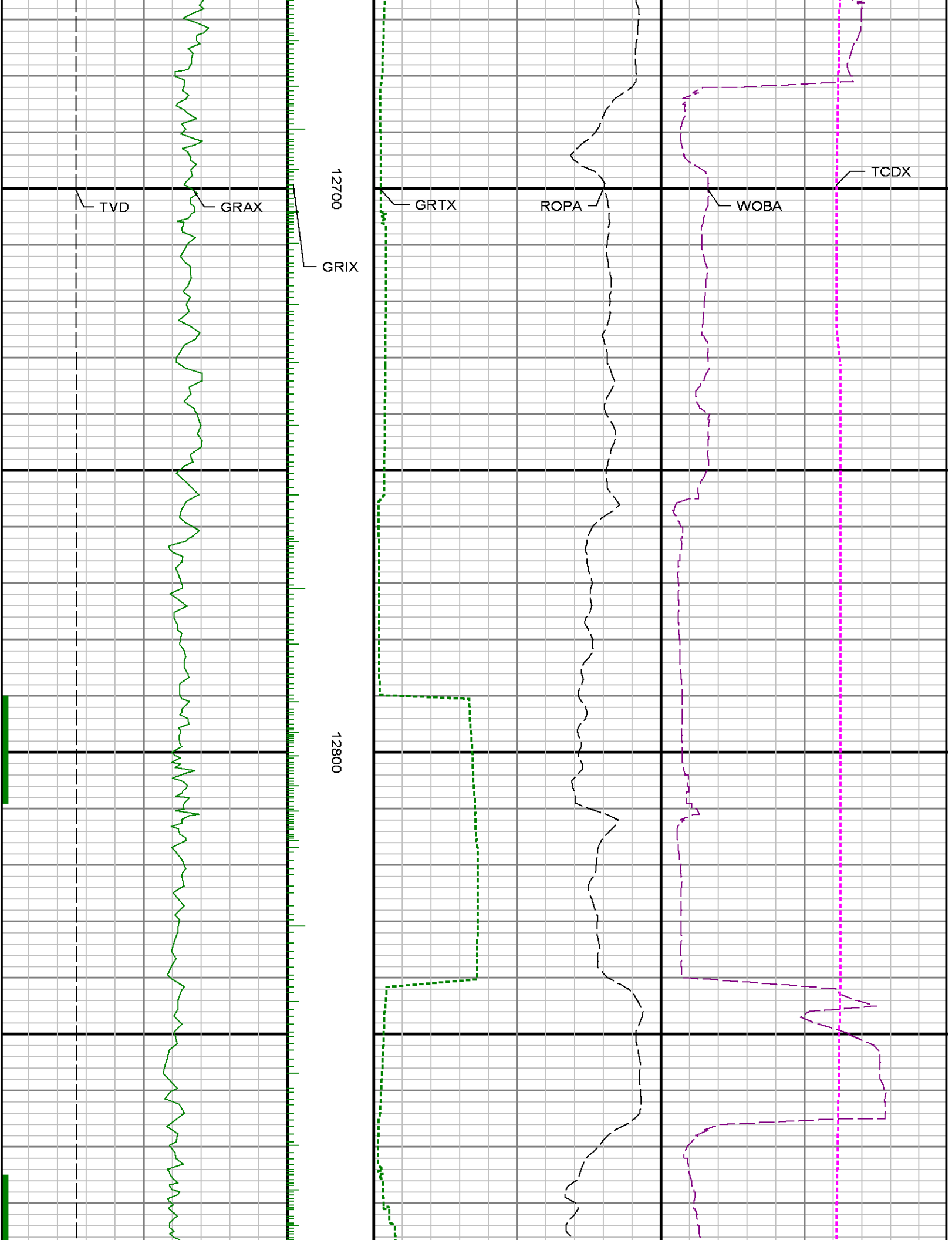


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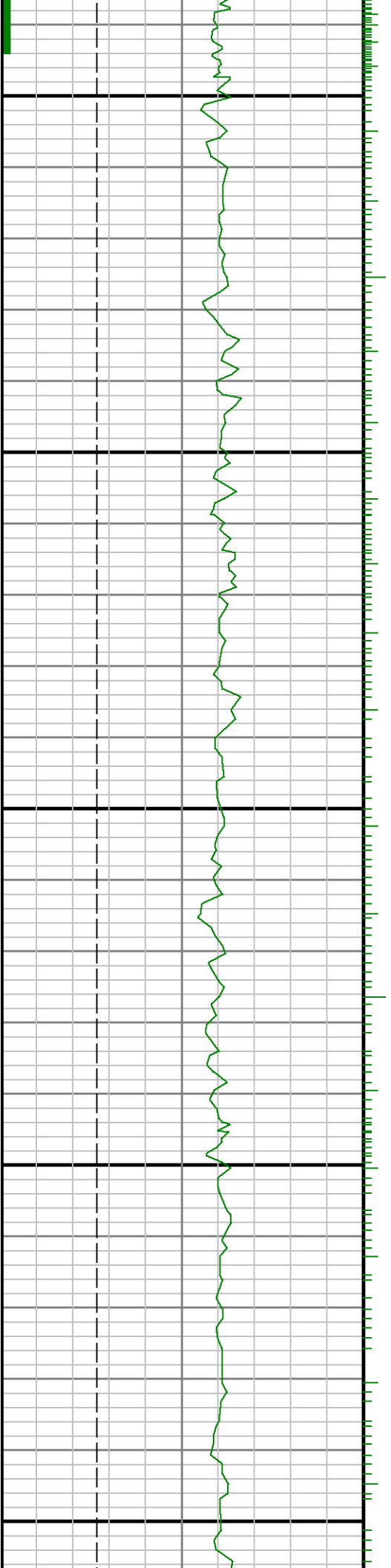




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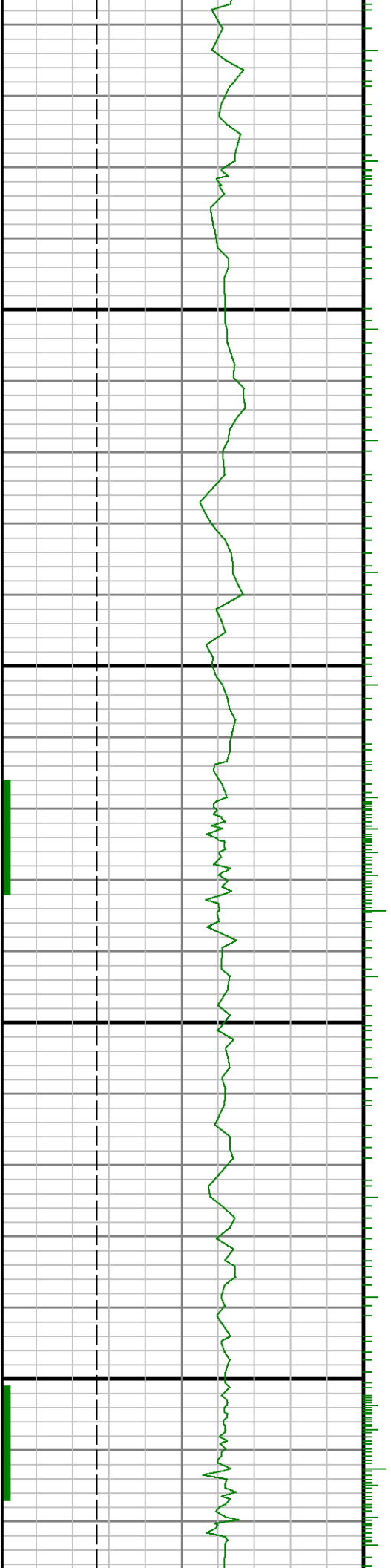
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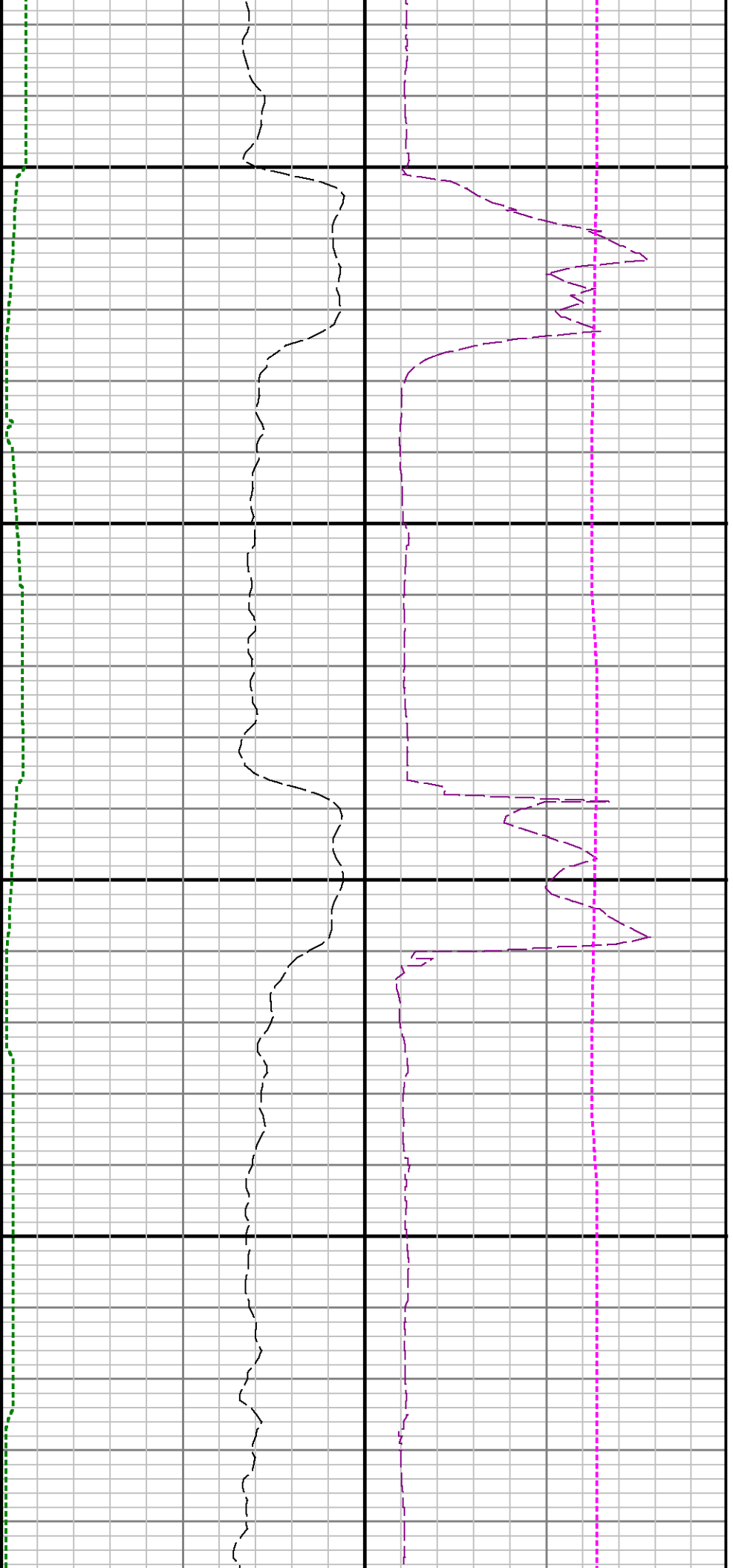




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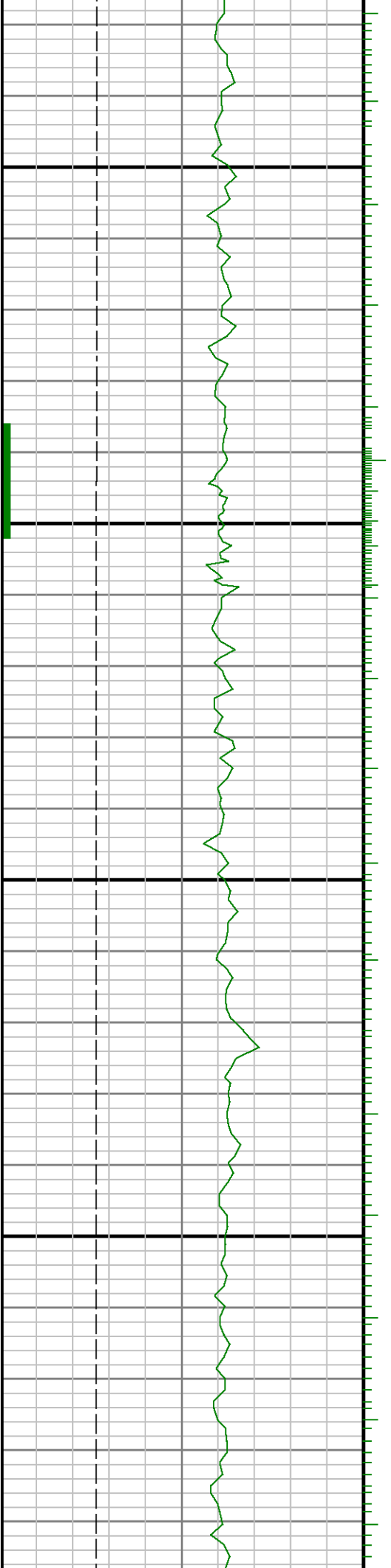
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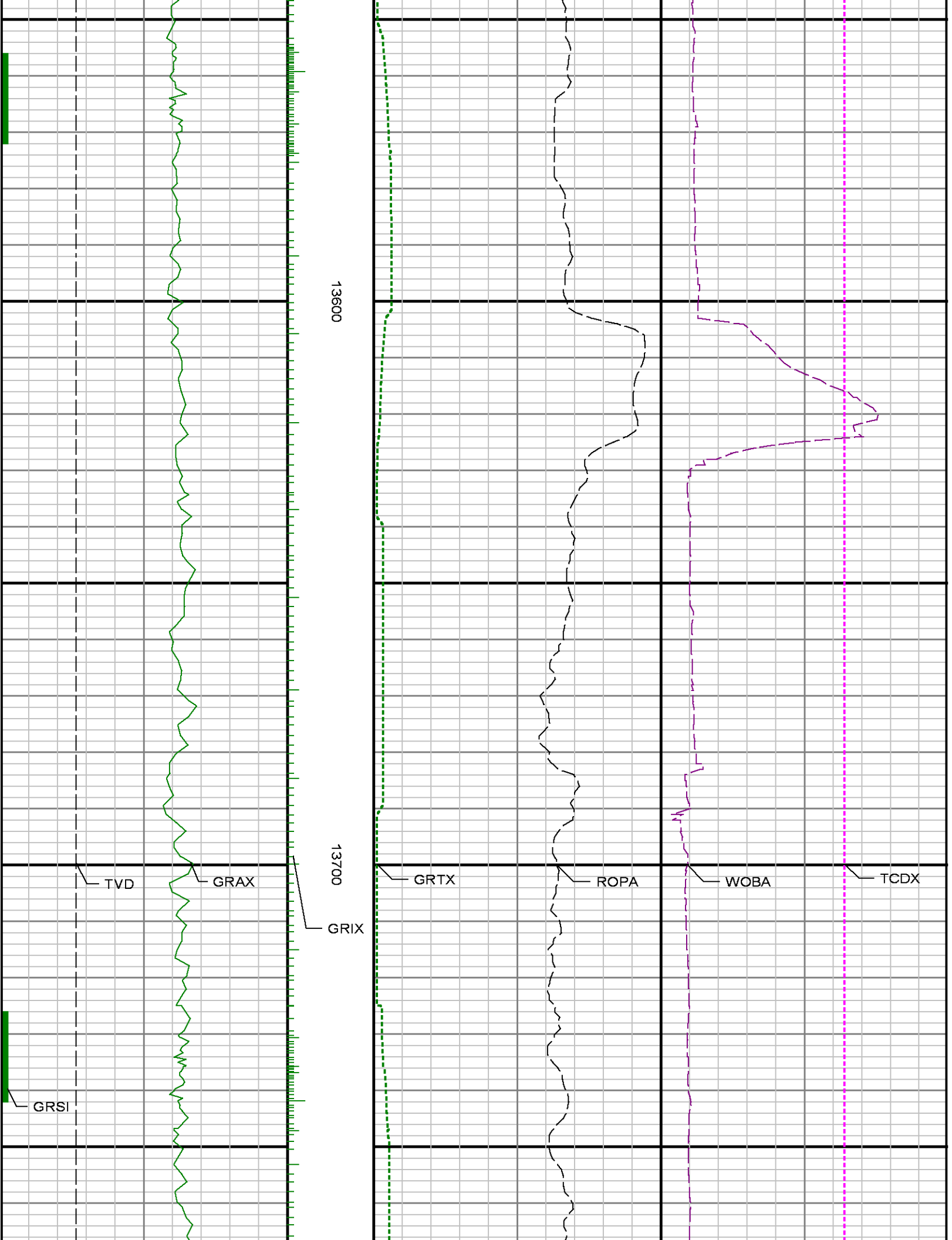




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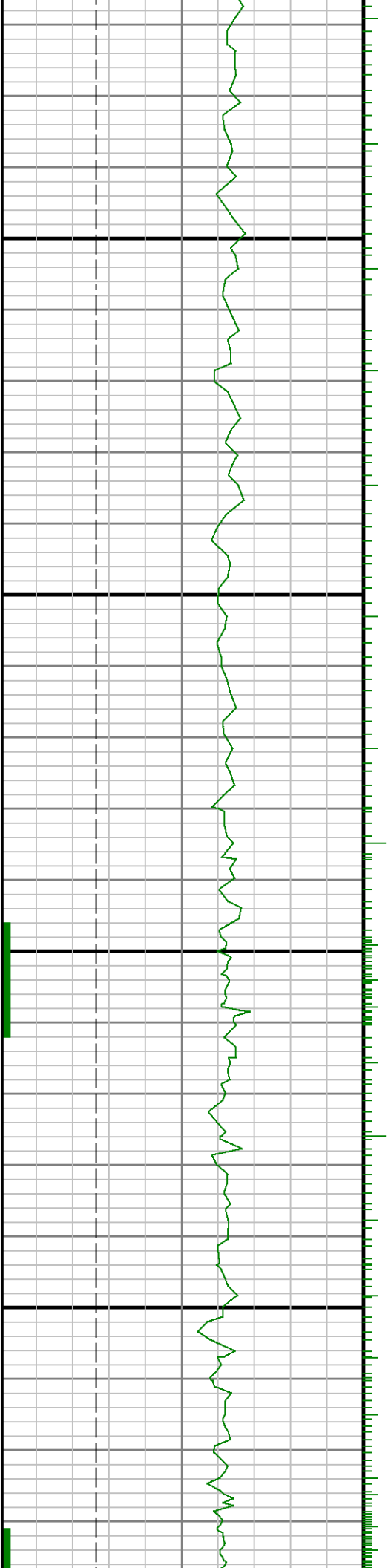


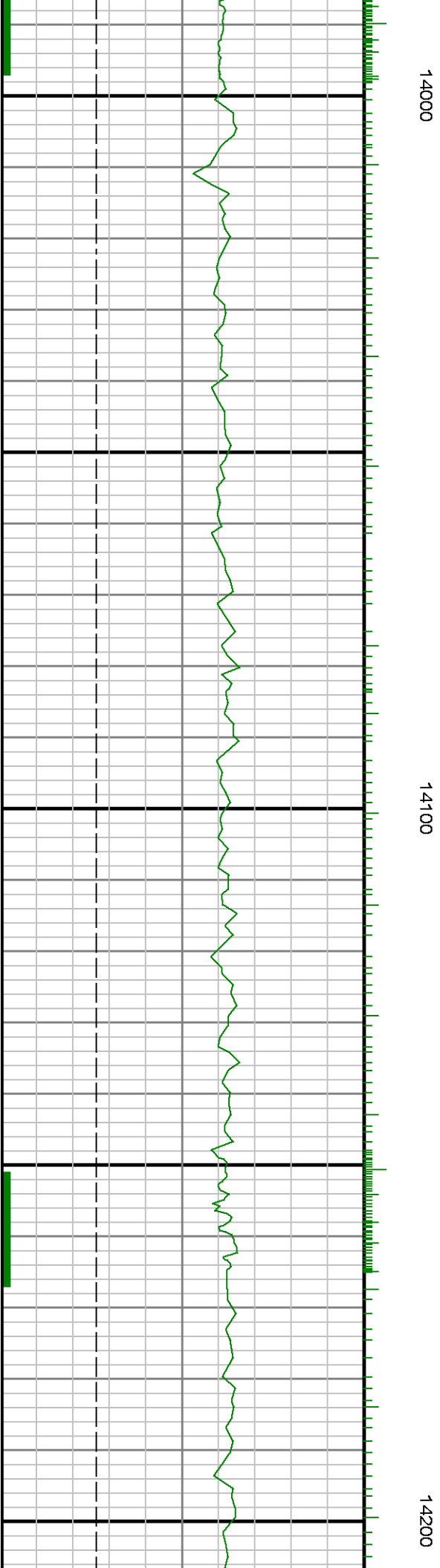
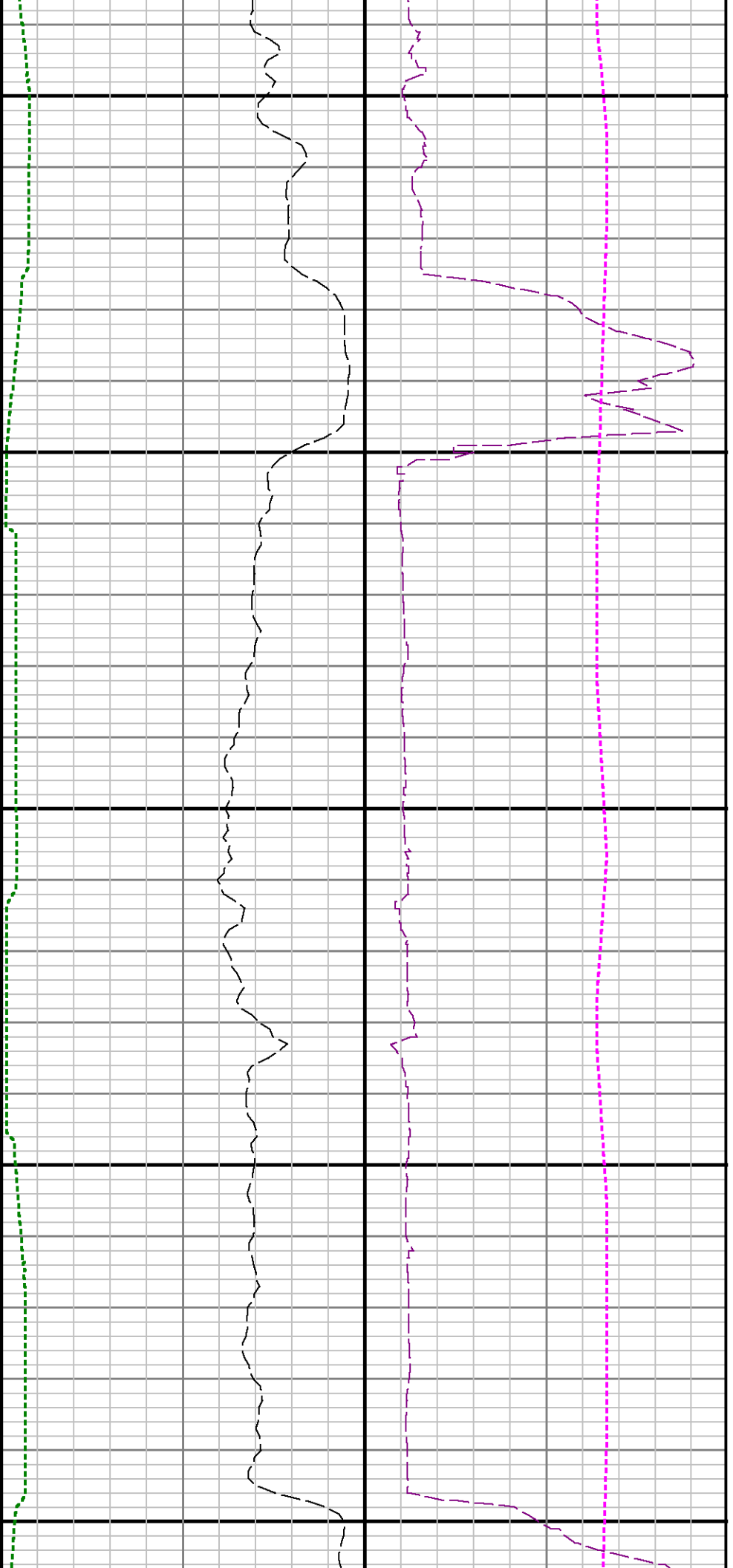


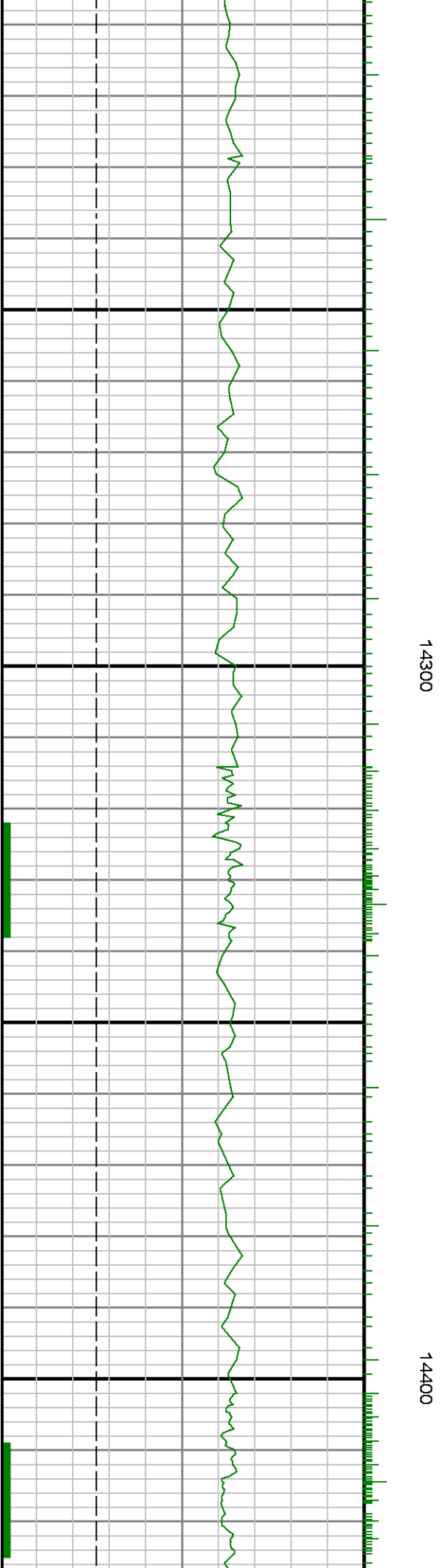


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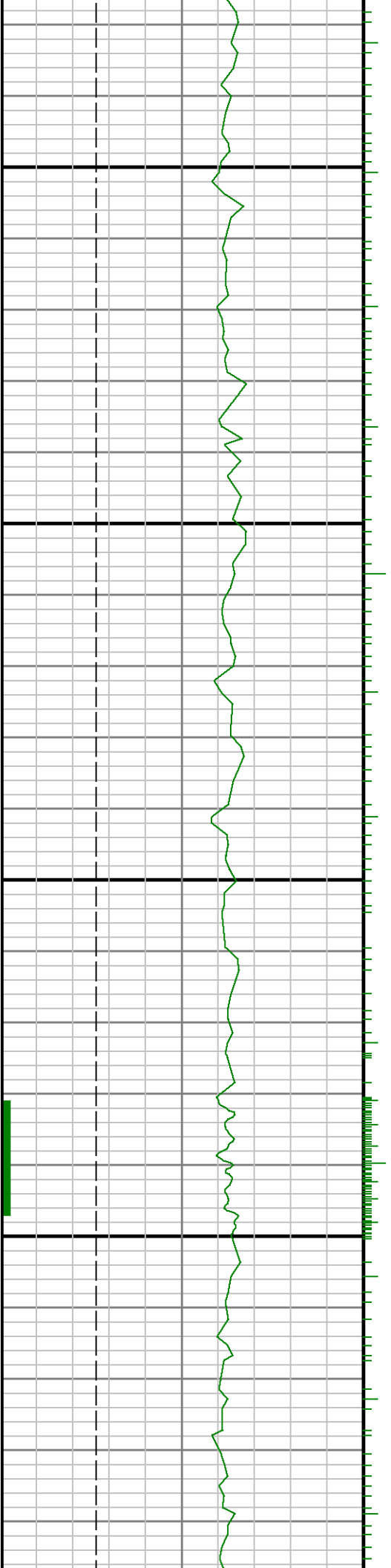


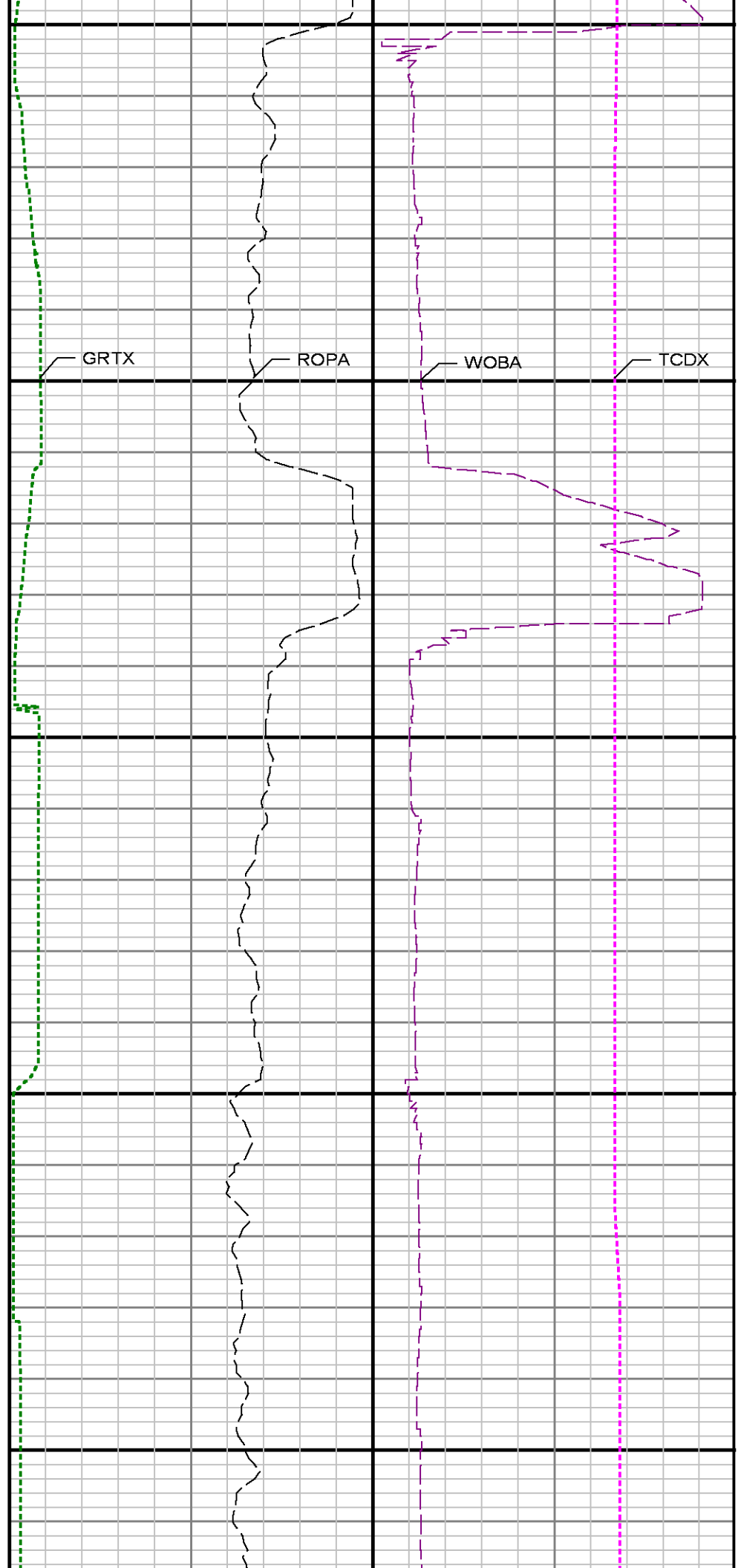
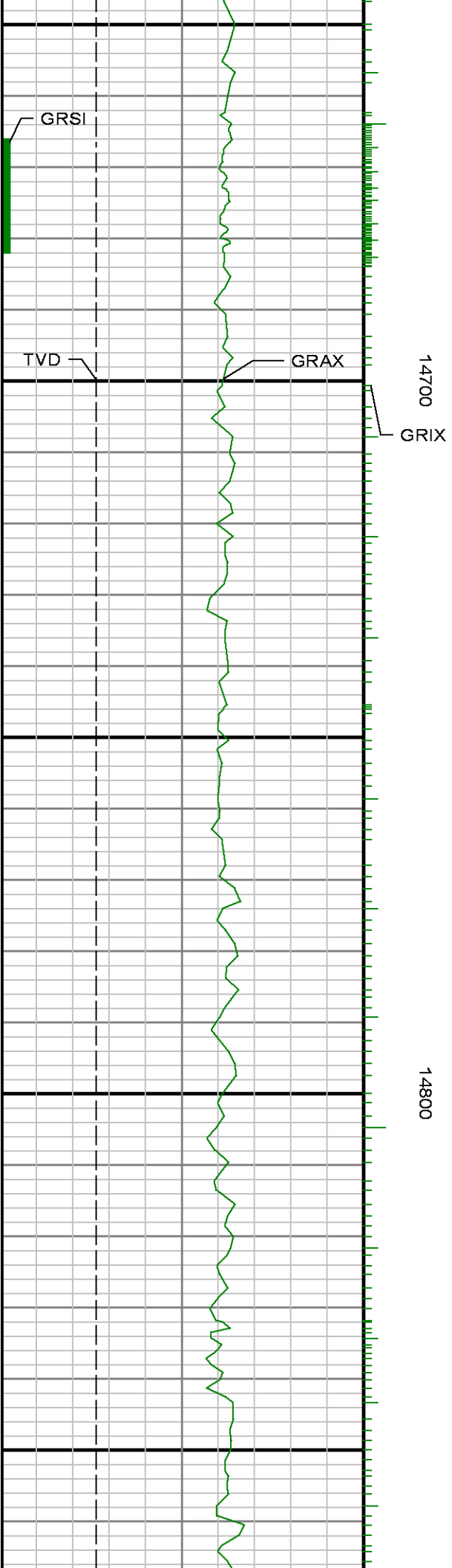


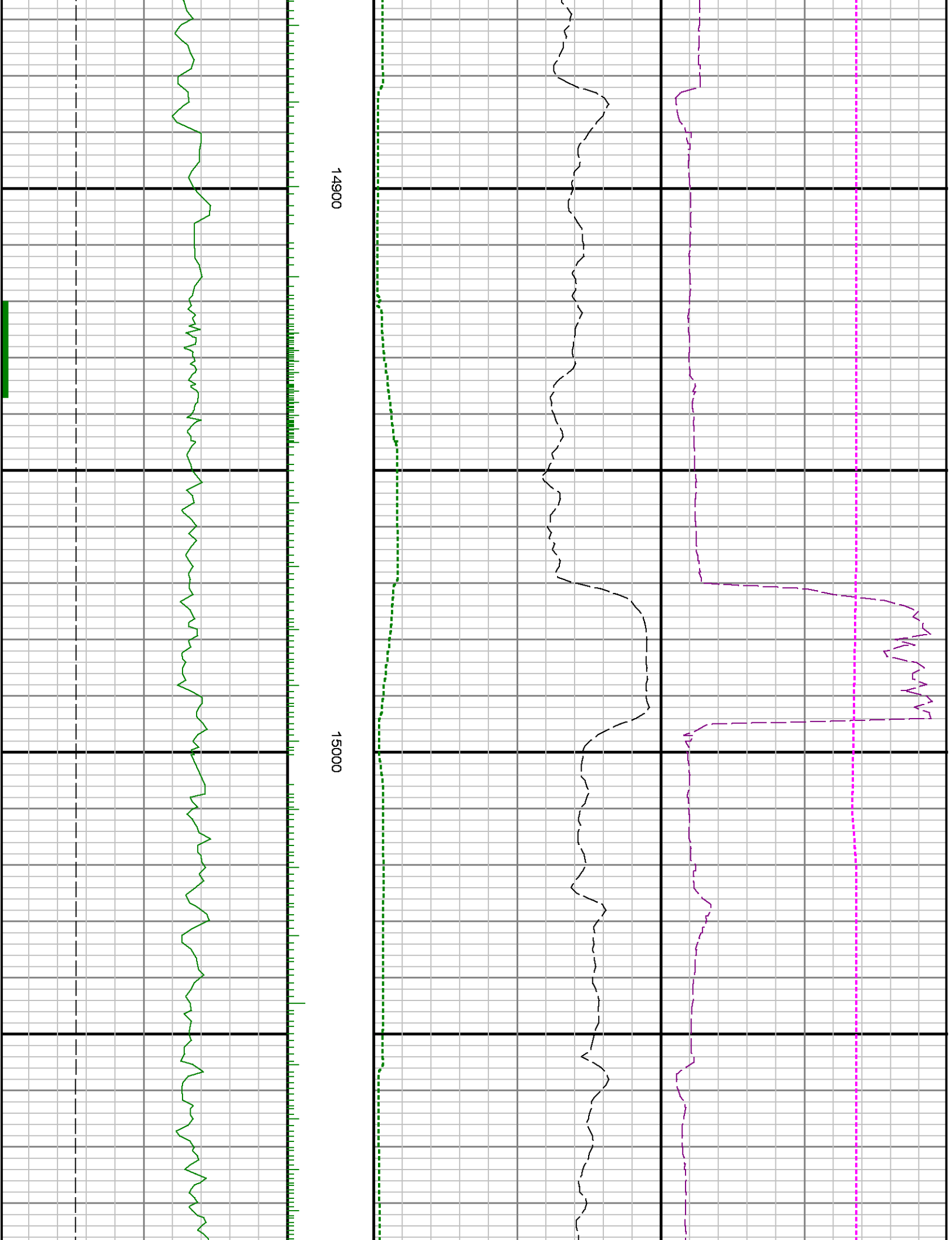


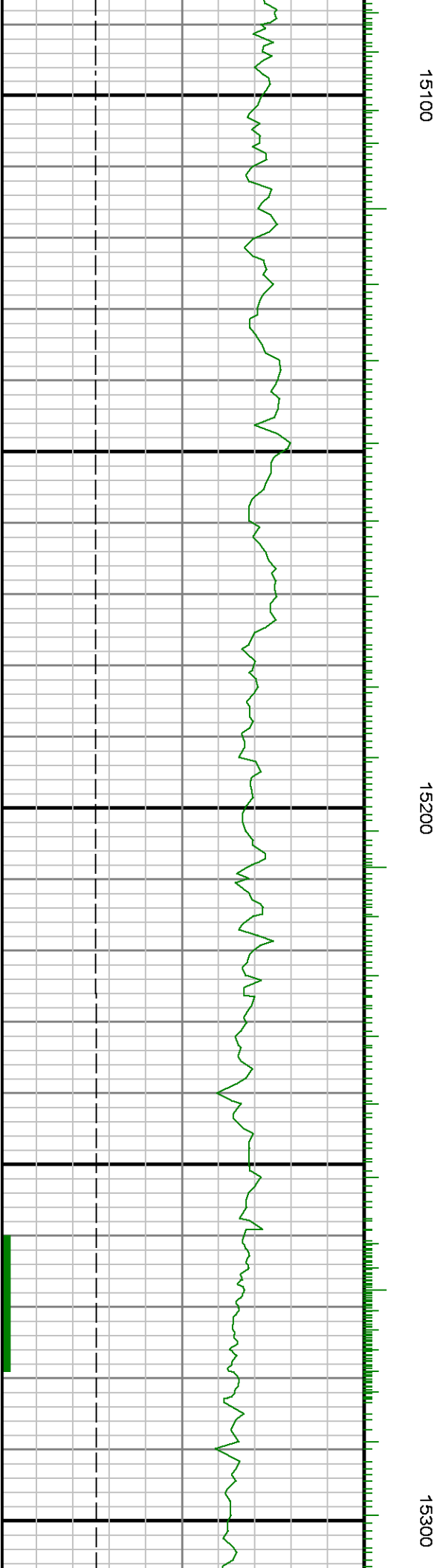
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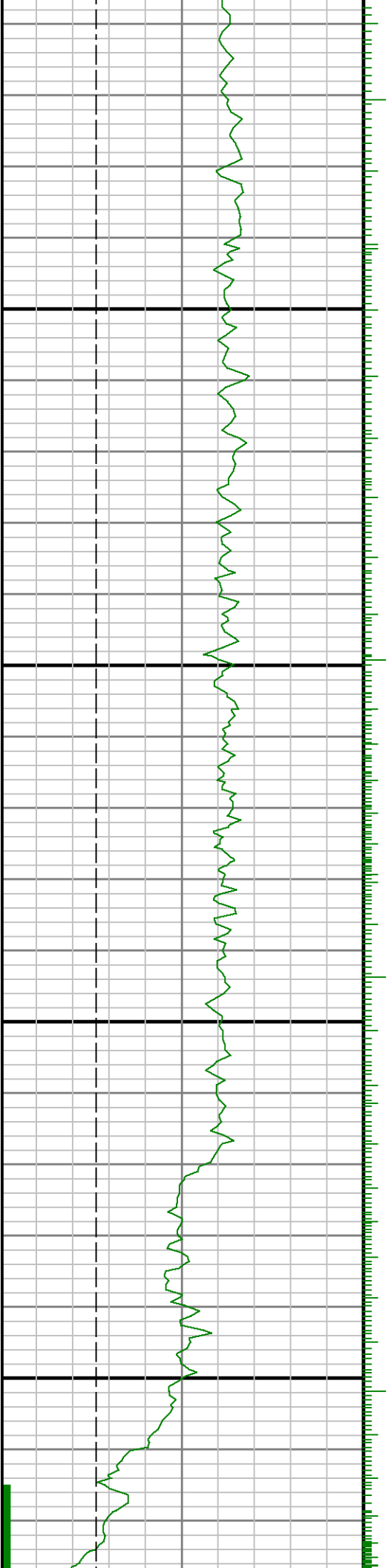


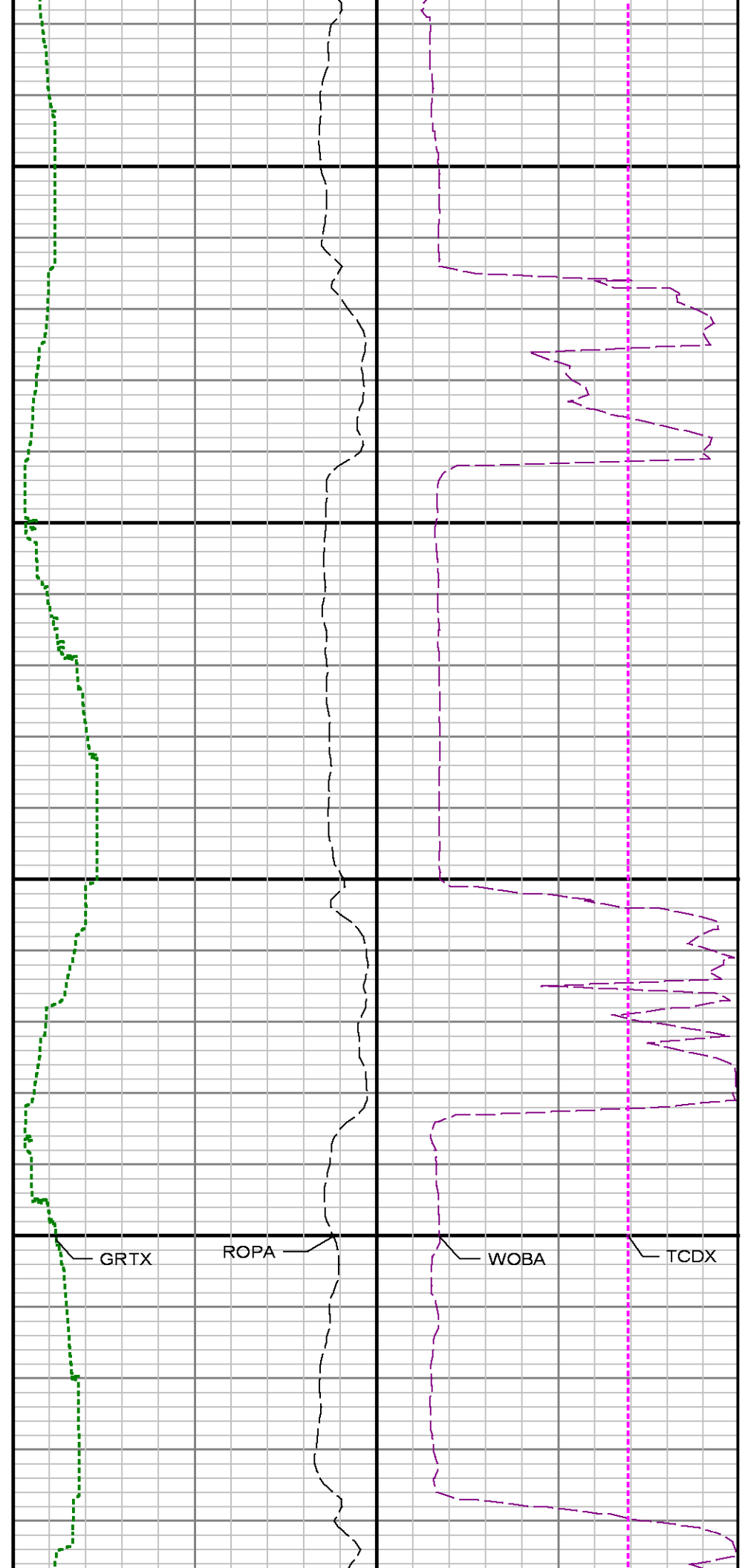
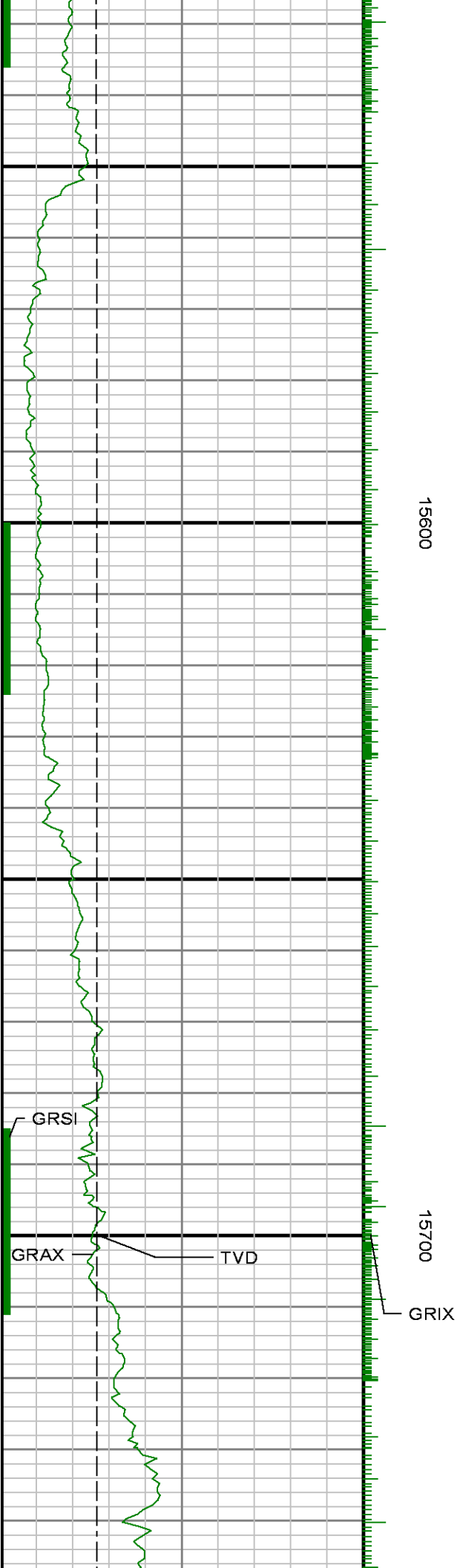


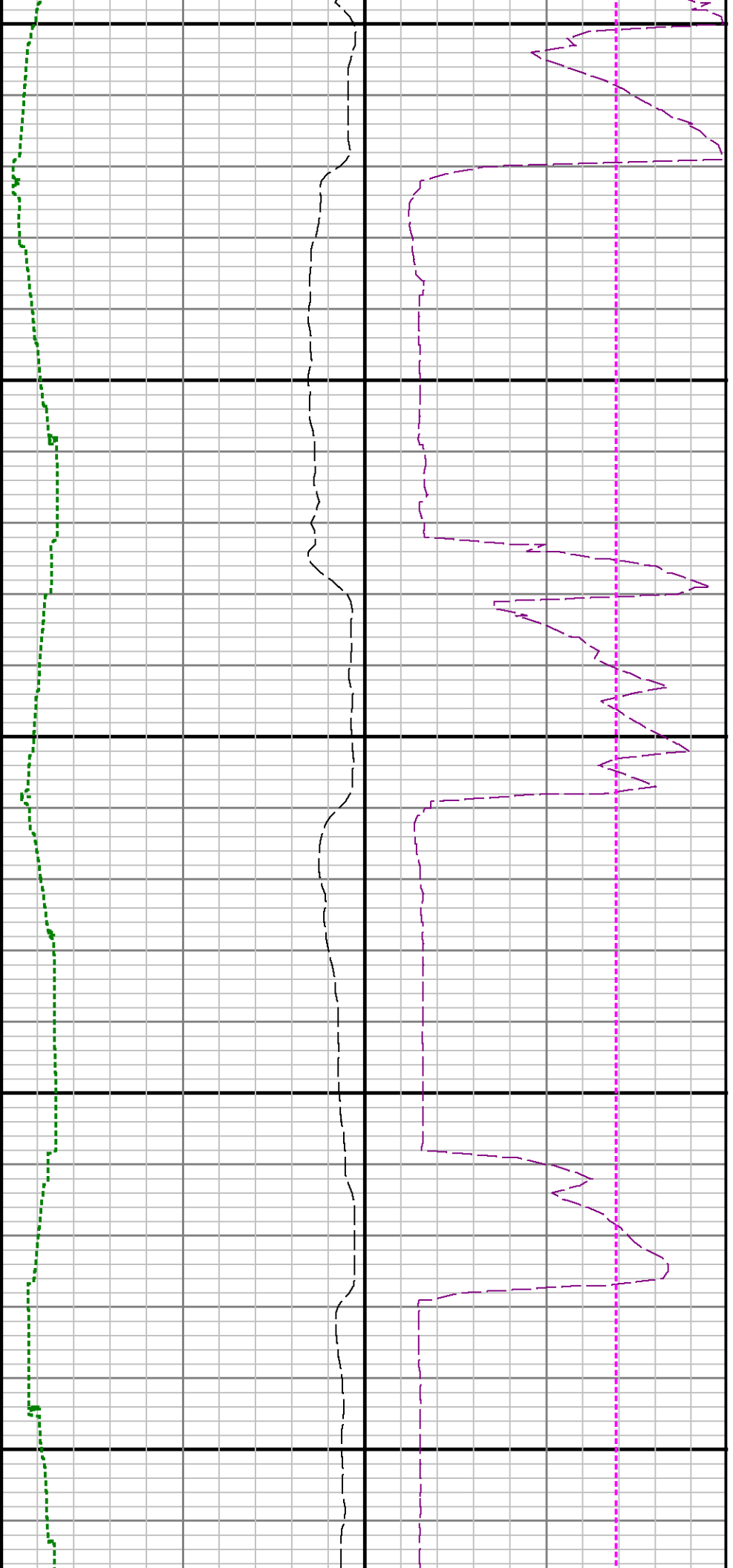


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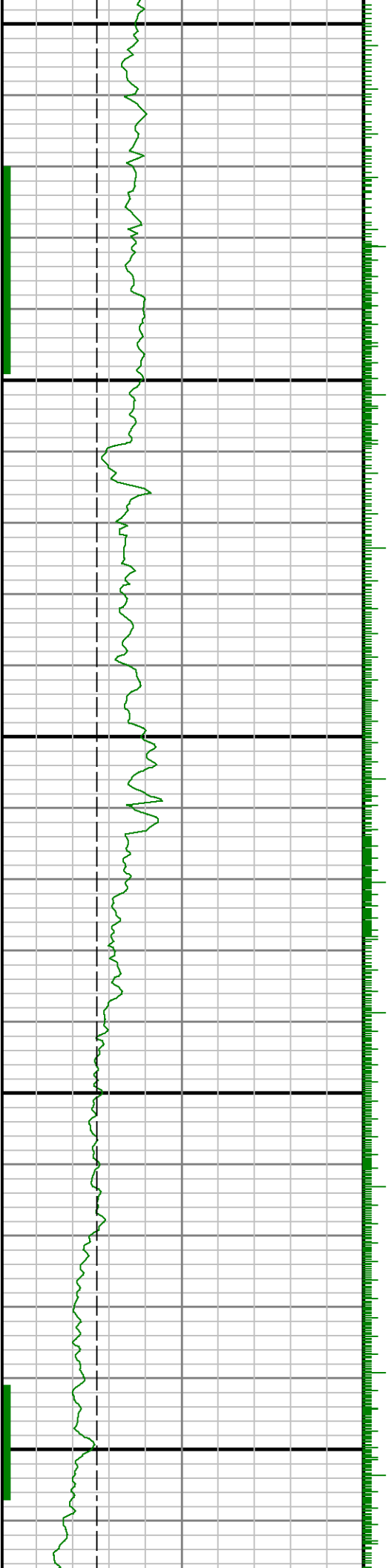


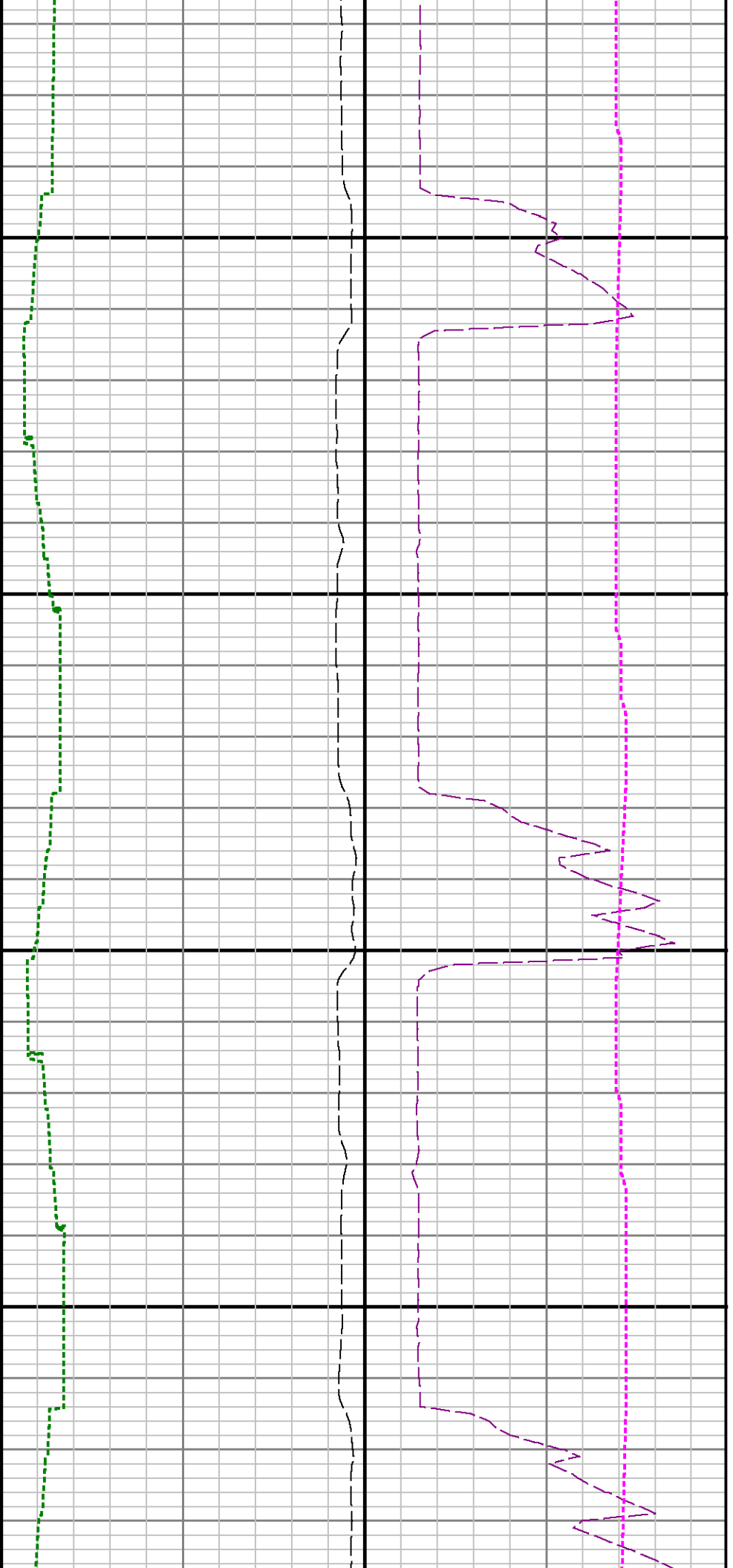




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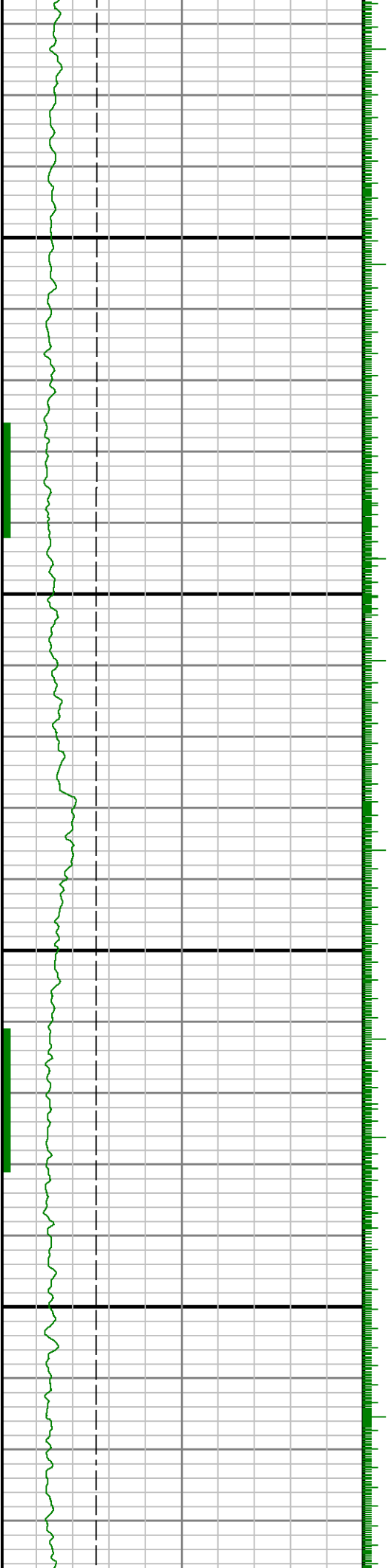
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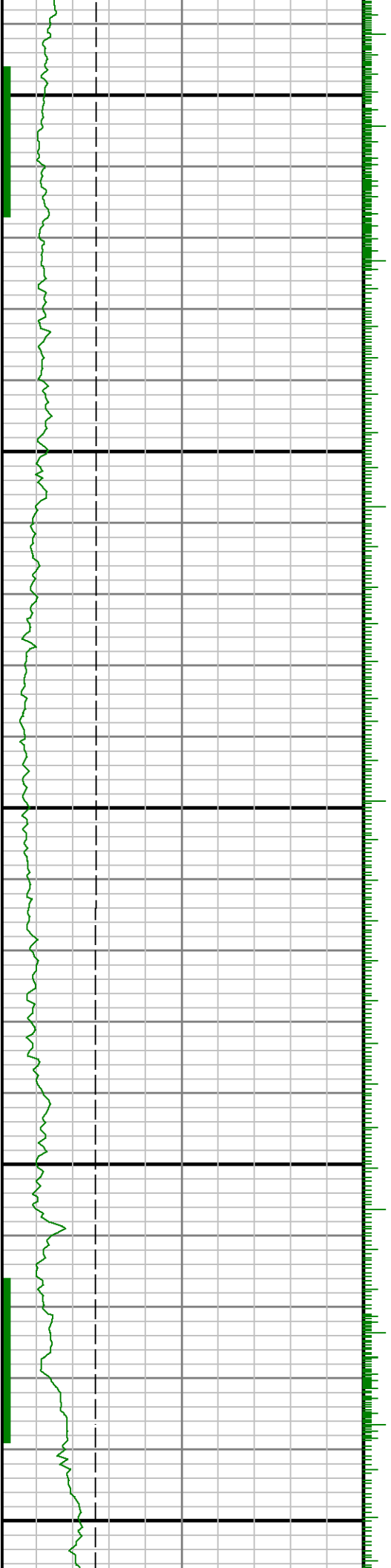


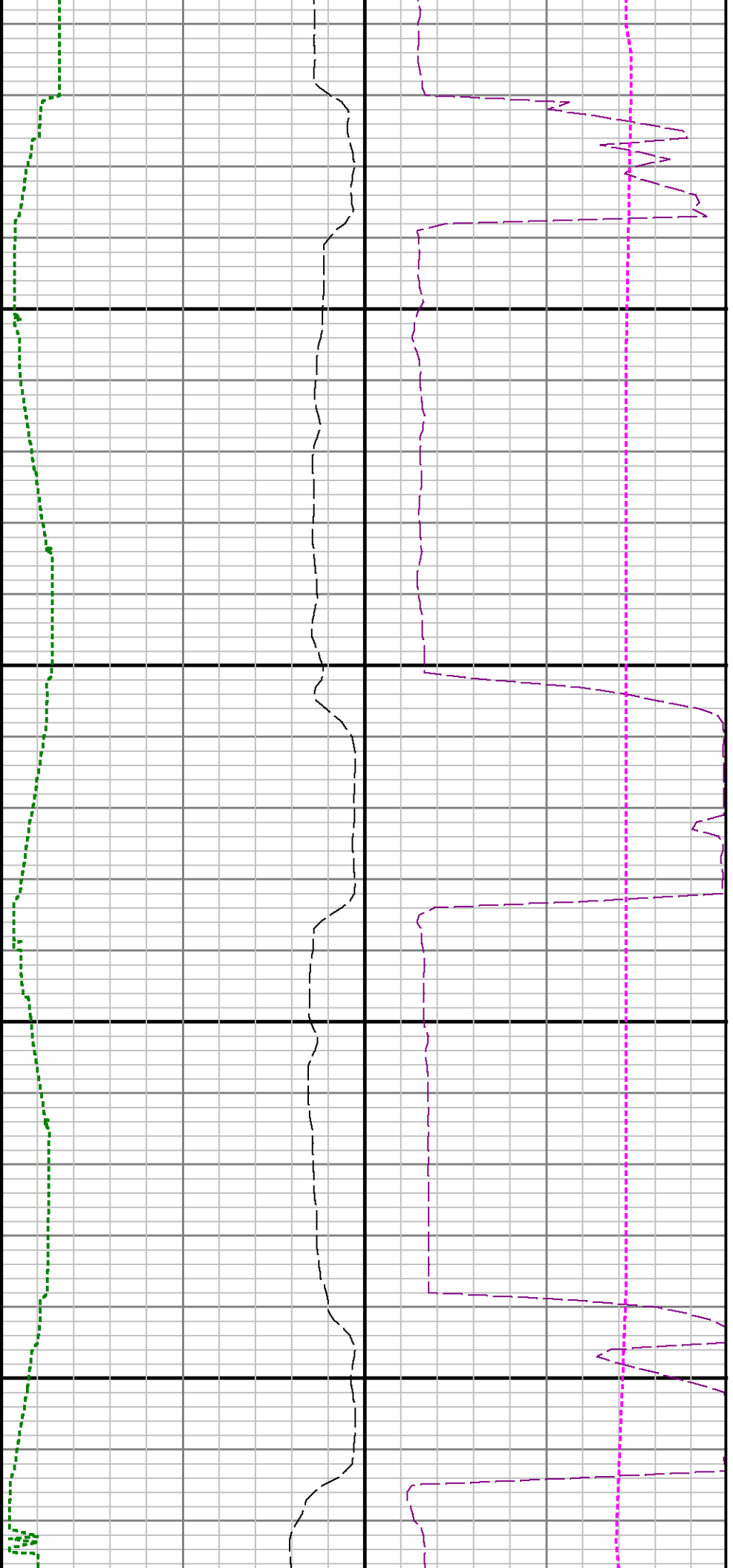


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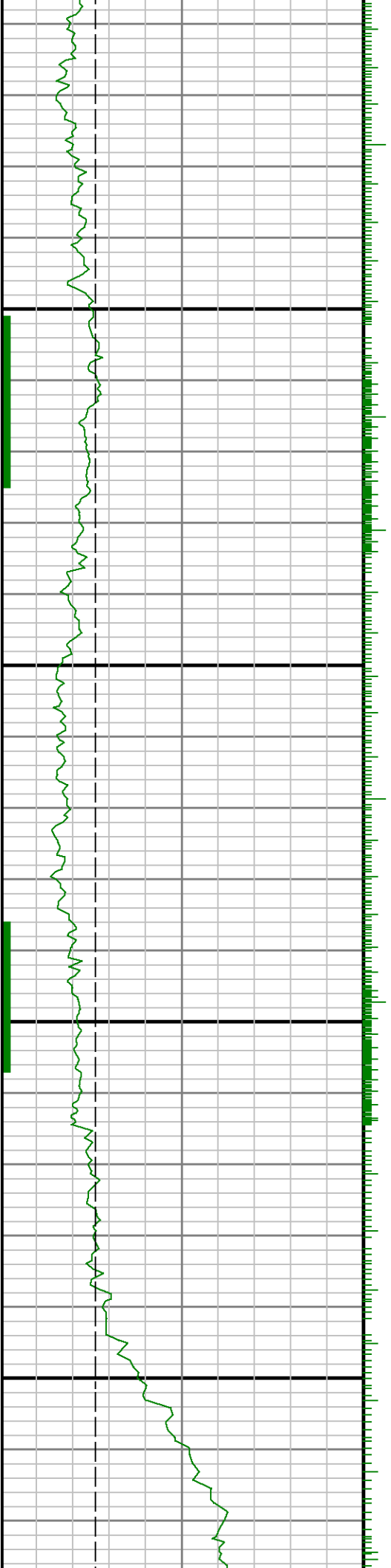
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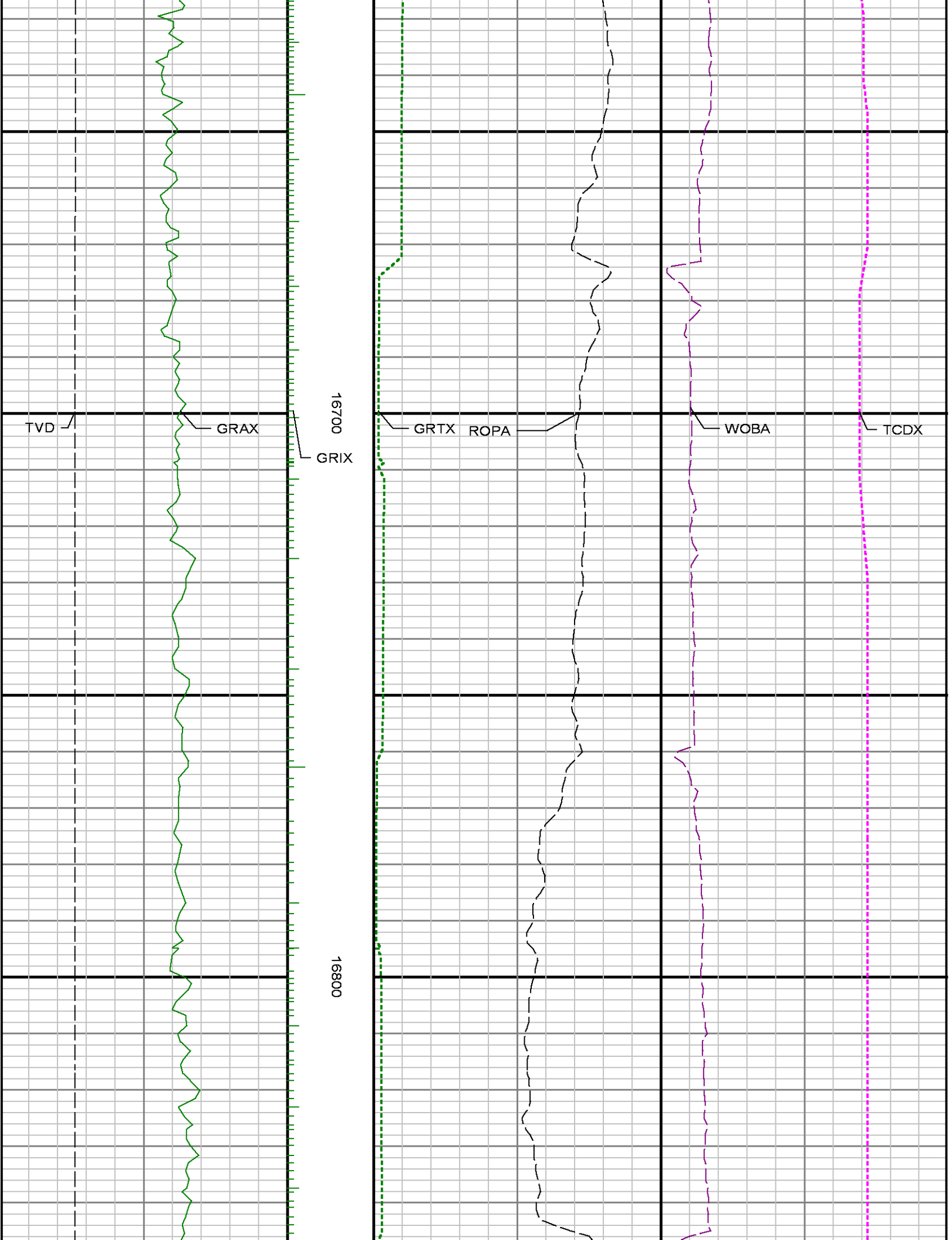


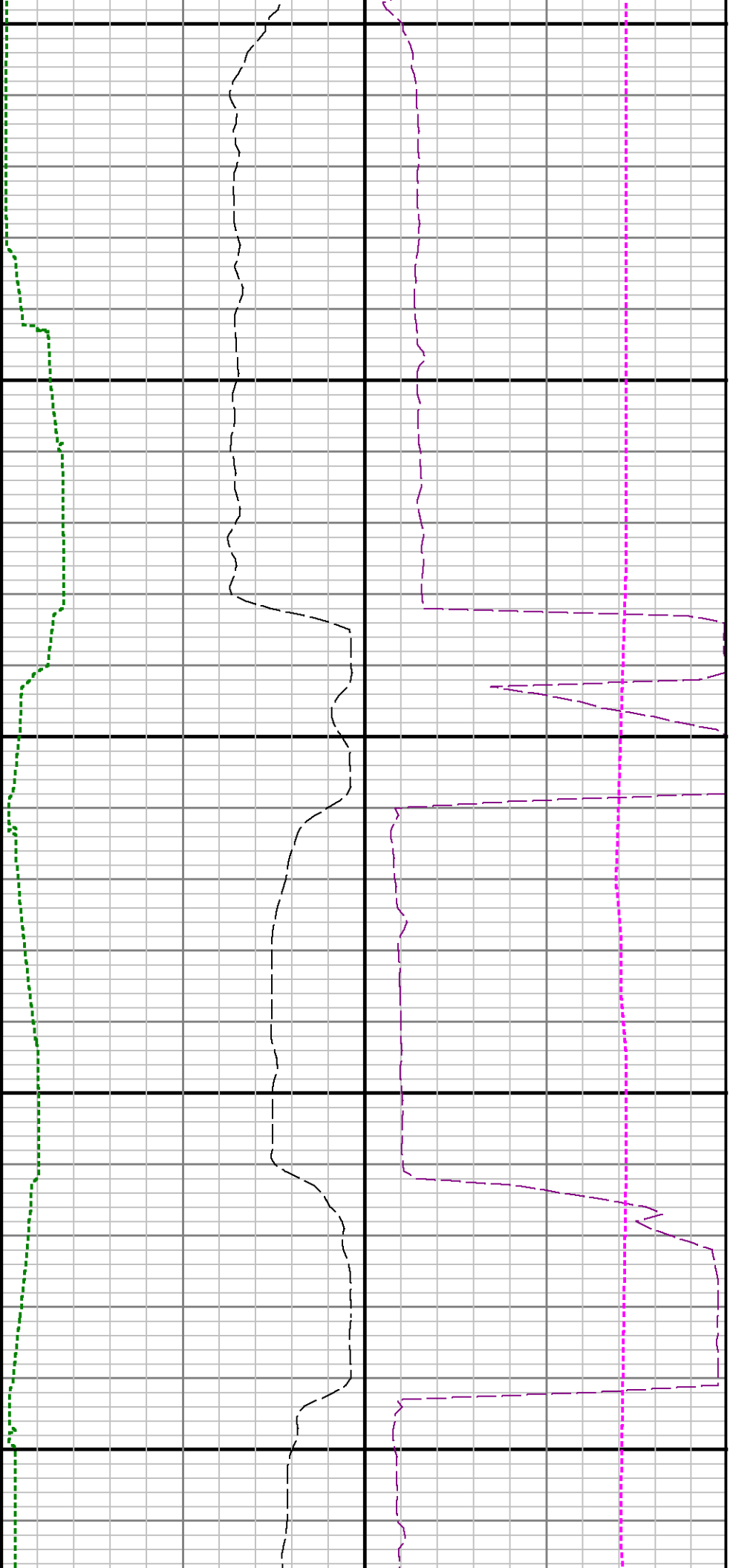


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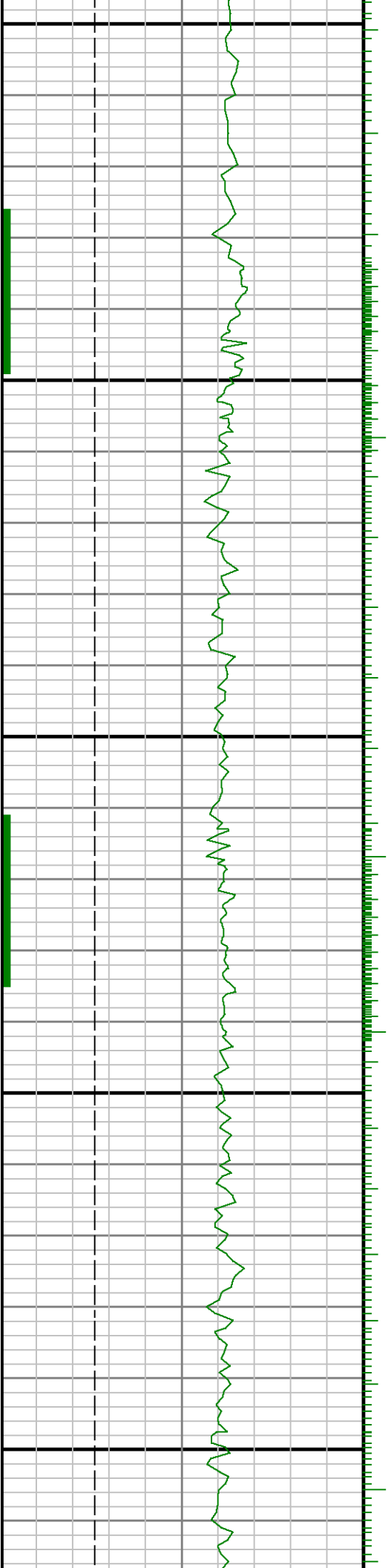


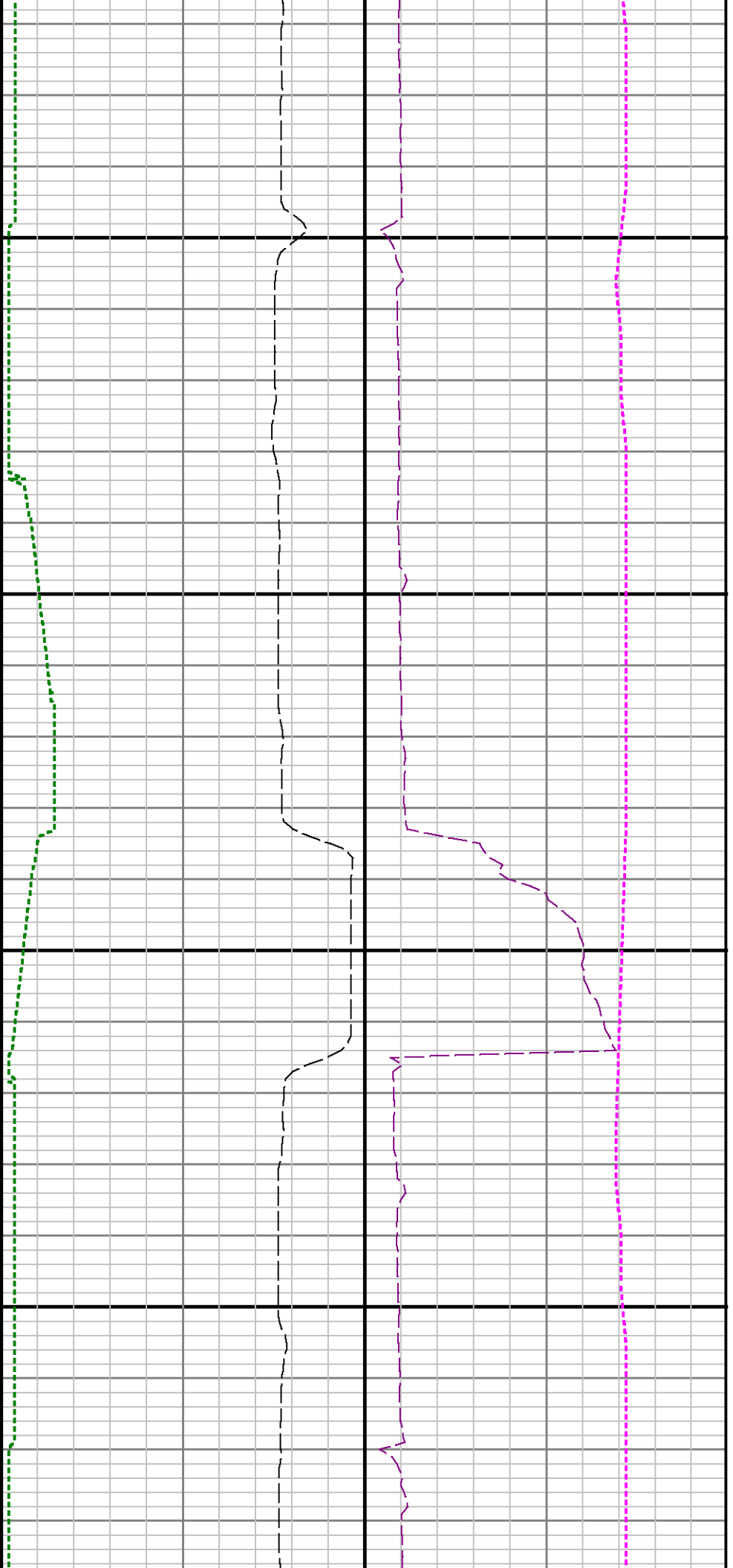




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