



Mud Properties Record

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (lb/gal)	Viscosity (sec/qt)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
10/Jul/2015 06:00	1	3480.0	Oil Based	9.2	58	N/A	4.8	71/29	Suction	N/A	N/A
11/Jul/2015 18:00	1	7270.0	Oil Based	9.3	56	N/A	3.6	73/27	Suction	N/A	N/A
12/Jul/2015 17:00	1	10036.0	Oil Based	9.6	57	N/A	3.8	74/26	Suction	N/A	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent, 0.5 ft. Avg.	API
GRTX	Gamma Ray Time Since Drilled	min.
GRIX	Gamma Ray Data Density	points
GRSI	Gamma Ray Slide Indicator	unitless
ROPA	Rate of Penetration 3.0 ft. Avg.	ft./hr
TCDX	Downhole Temperature	Deg. F
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 (m.)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	12546349	Directional	61.19	6.750	2.750
1	SRIG	11732967	Gamma	57.85	6.750	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 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 1/2 inch bit and steerable assembly from 1923 to 12776 feet MD (1876.60 to 6992.58 feet TVD).</p> <p>2.) 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 logging engineers, depth calibrations and measurements could not be independently verified.</p> <p>3.) A sliding indicator is shown on the left edge 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>
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Remarks

Number	Measured Depth (ft.)	Hole Section (in.)	LWD Run No.	Remark
1	12740	8.500	1	The interval from 12745 to 12776 feet MD (6994.20 to 6992.58 feet TVD) contains no logging data due to bit to sensor offset

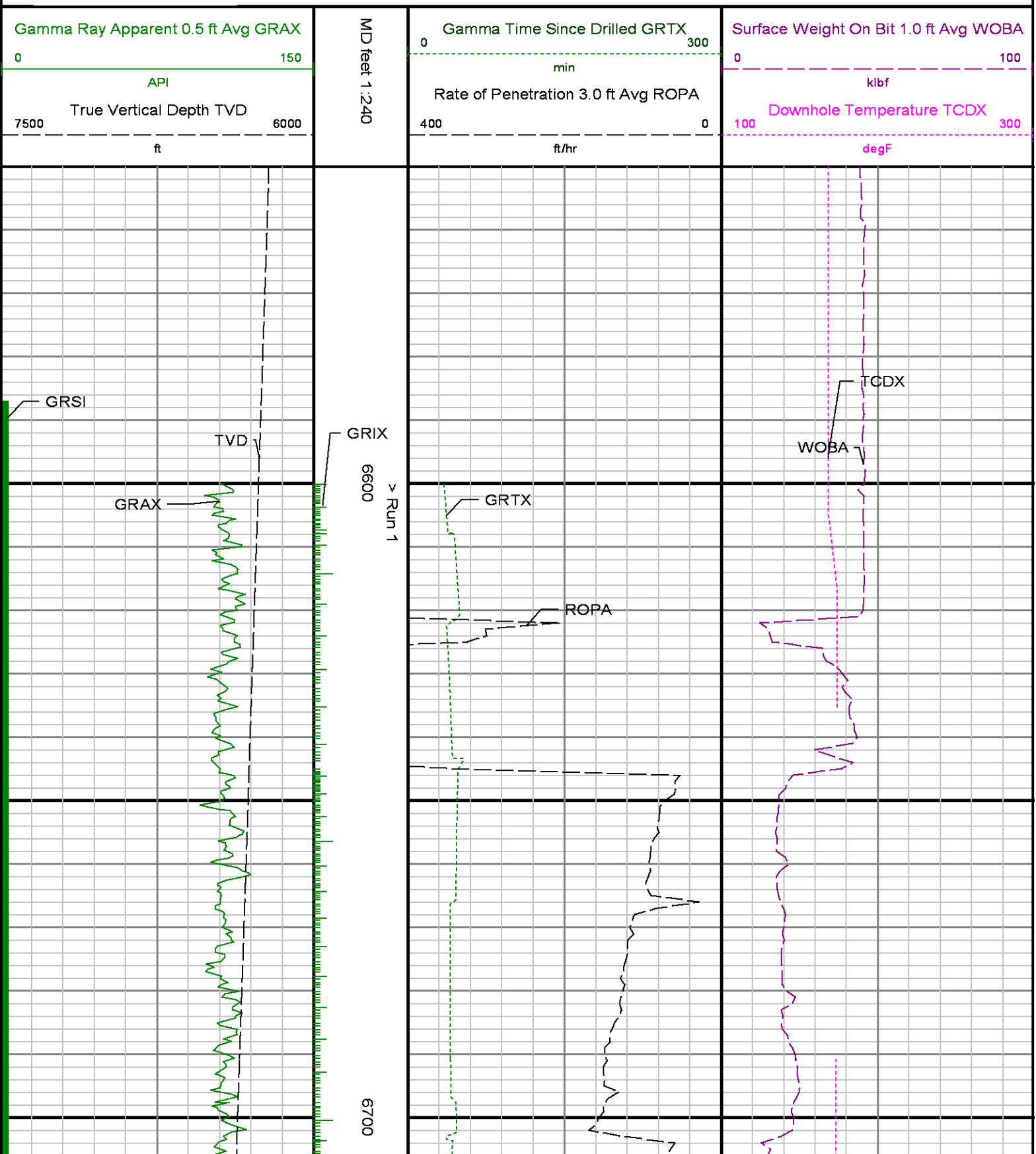


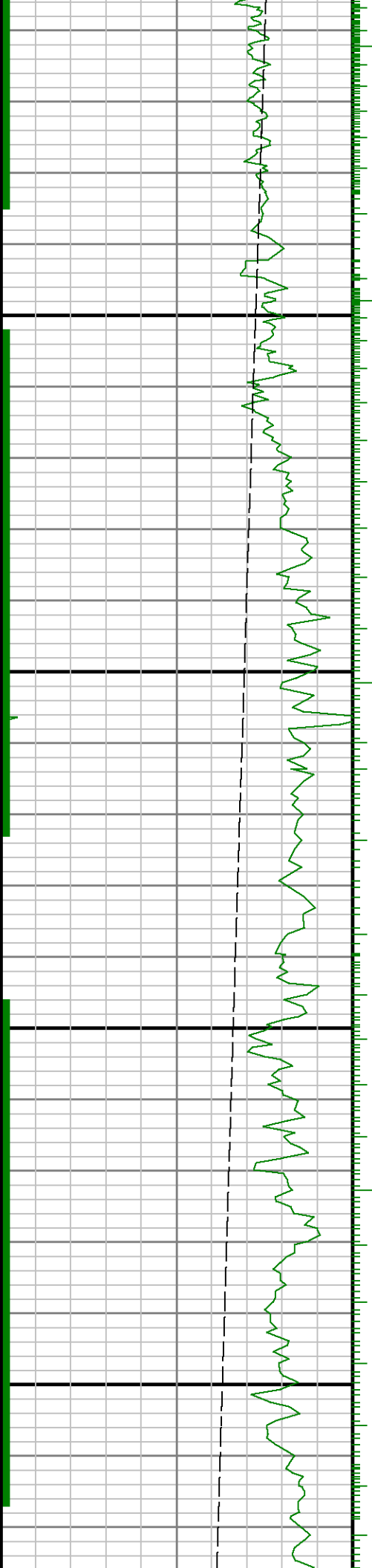
Company : Anadarko E&P Company

Well : Viper Pyro 39N2-10HZX

Interval : 6550.00 - 12810.00 feet

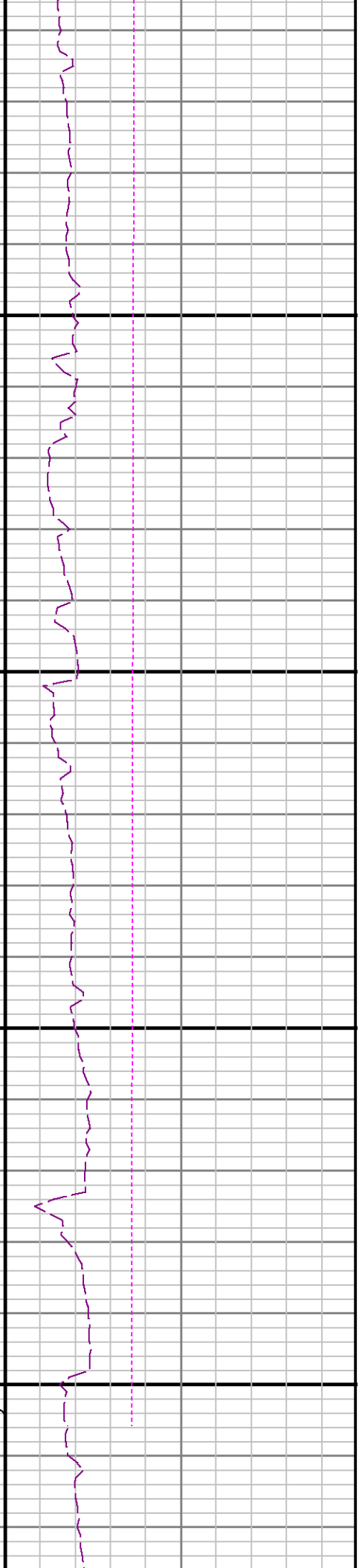
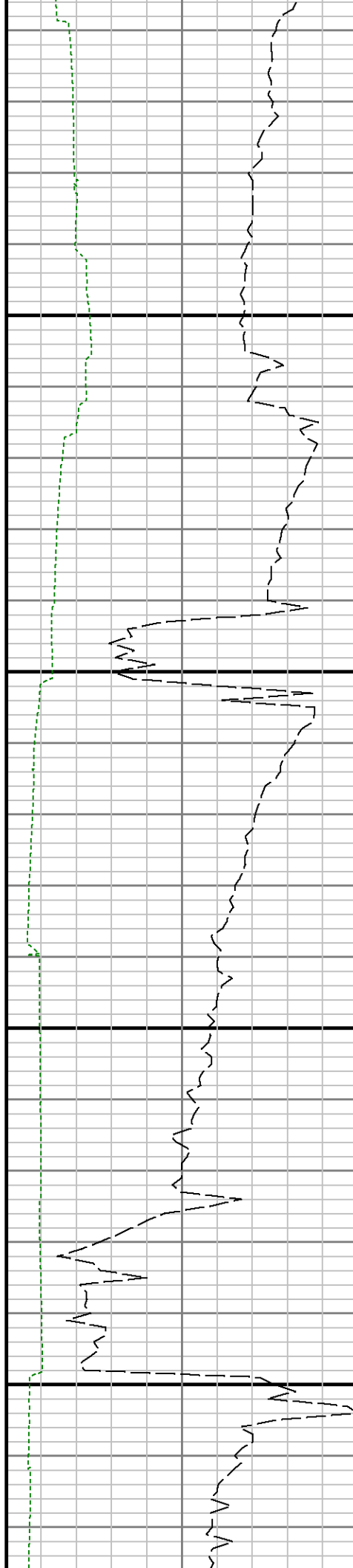
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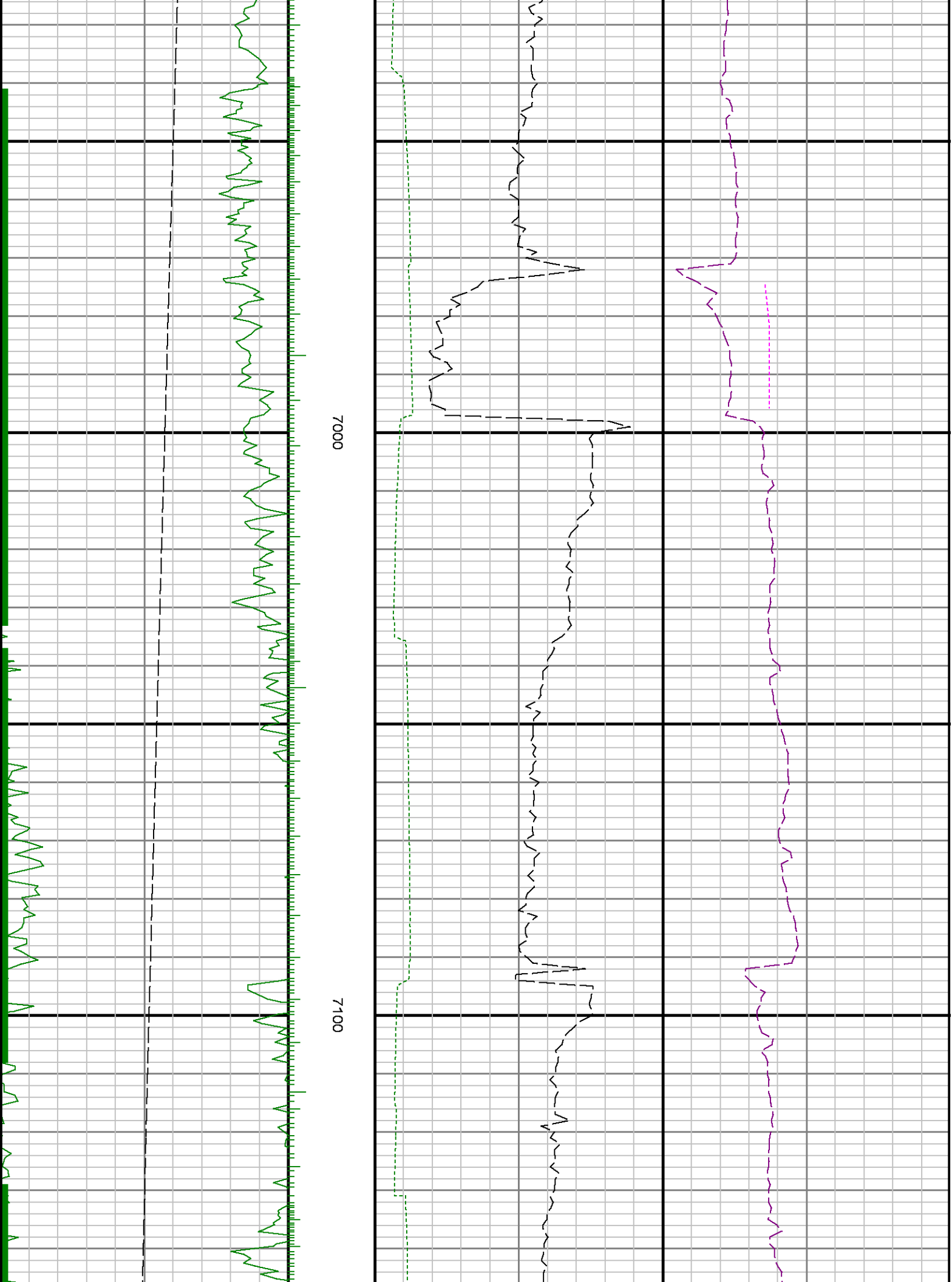


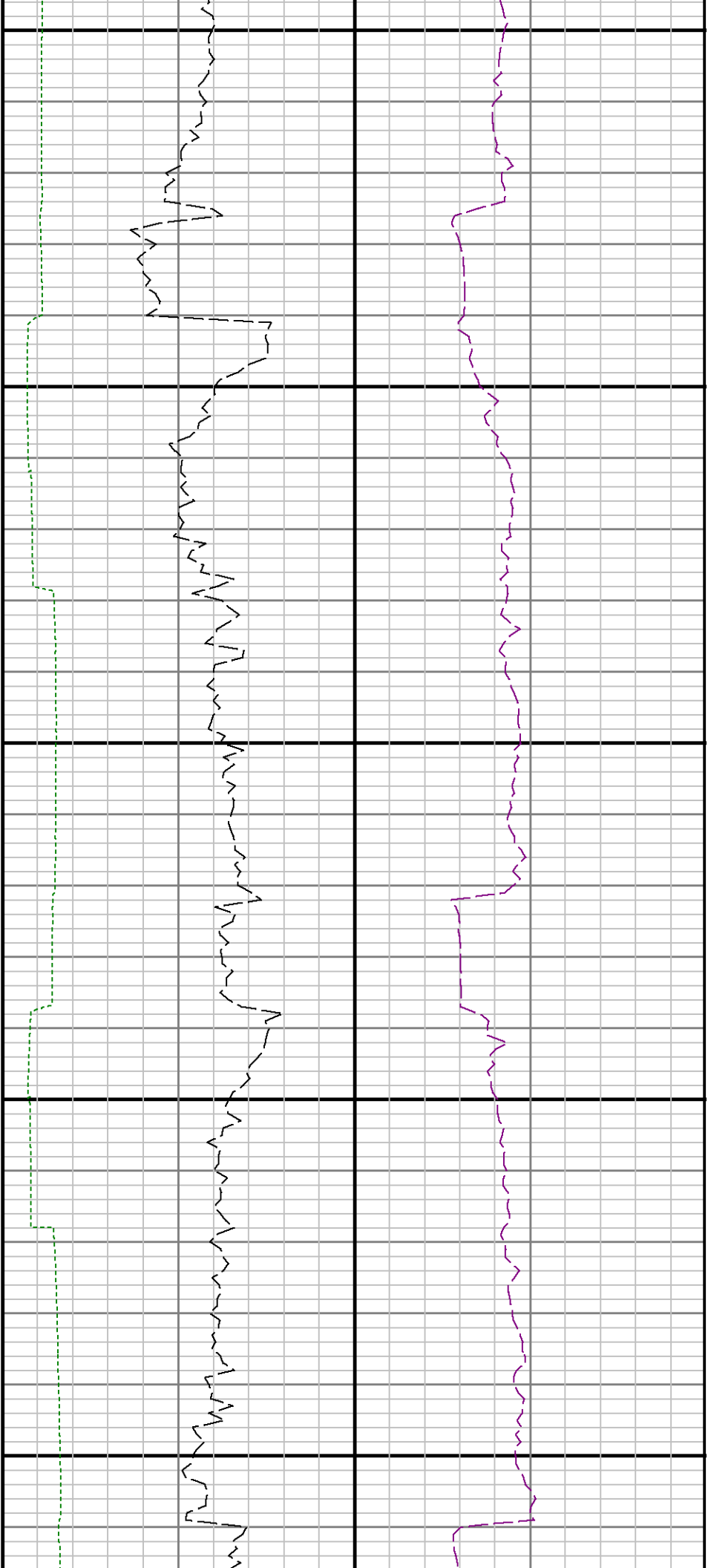


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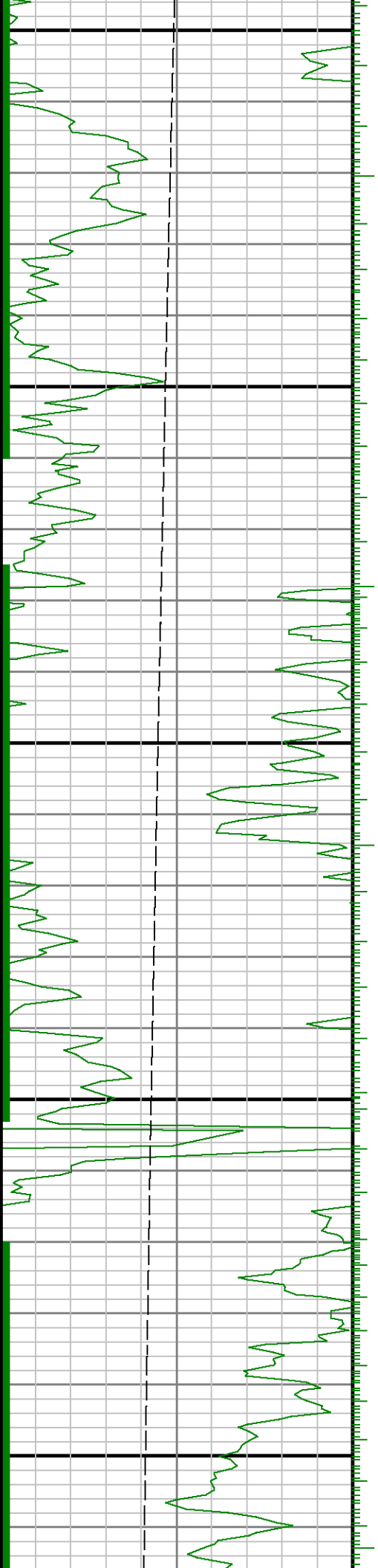


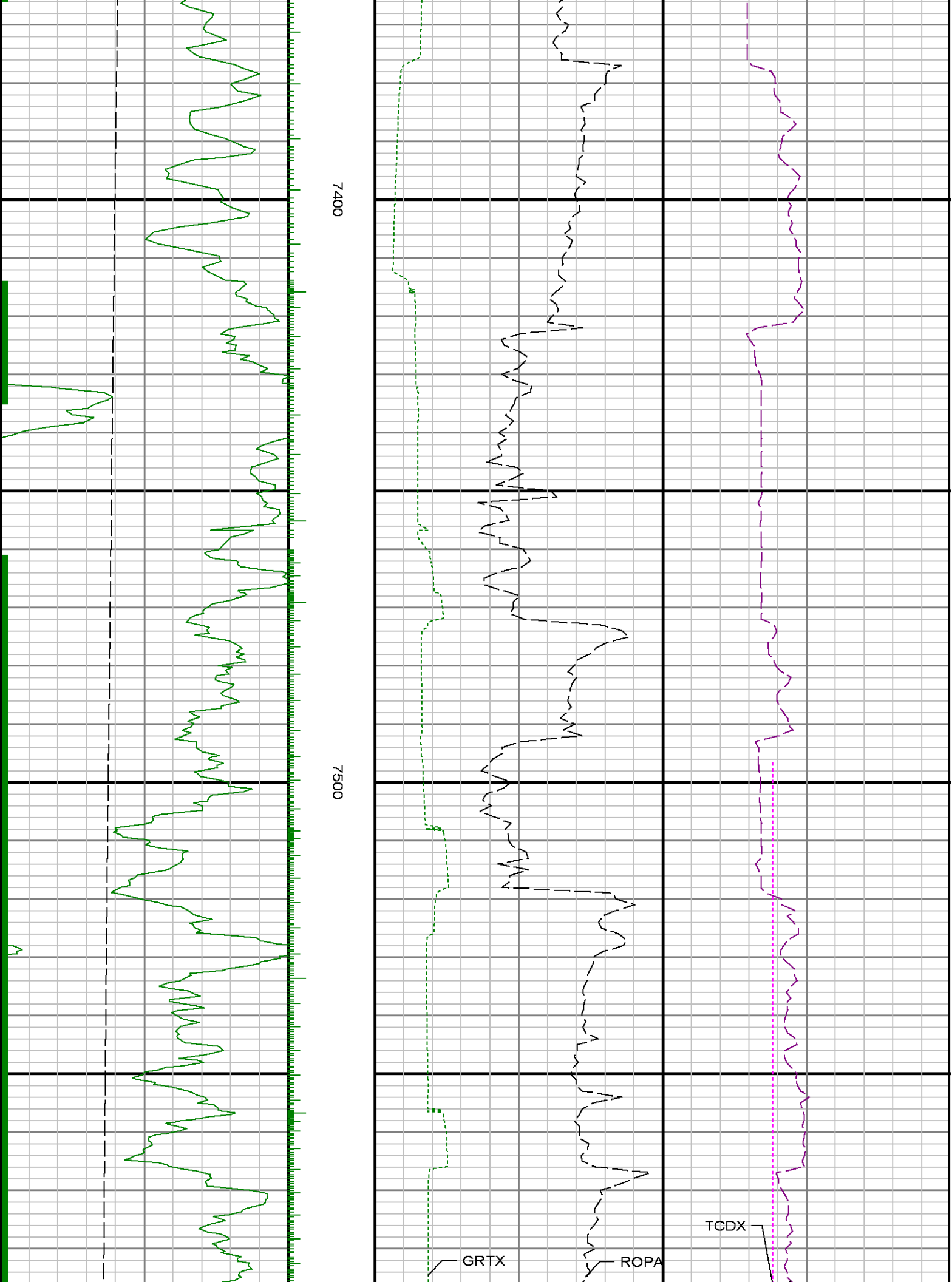




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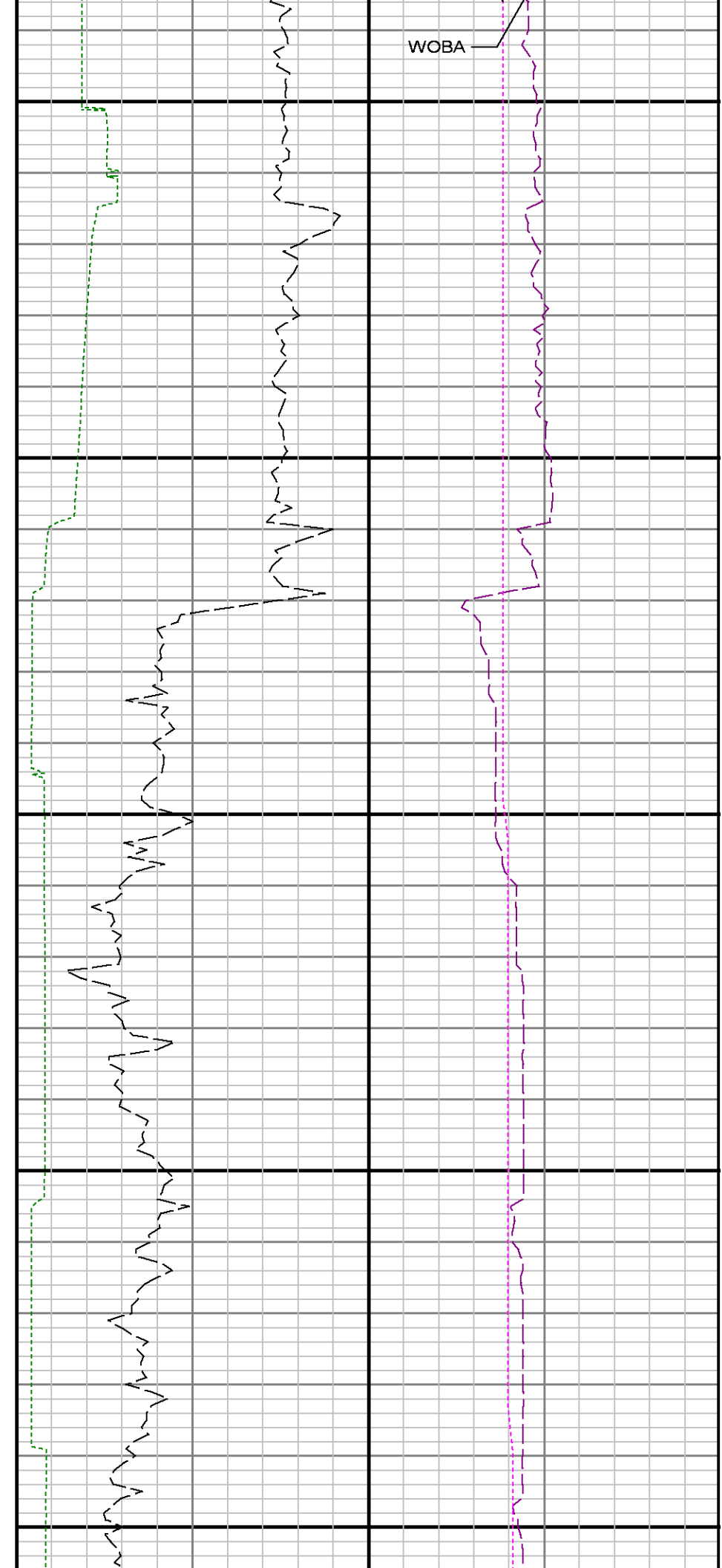
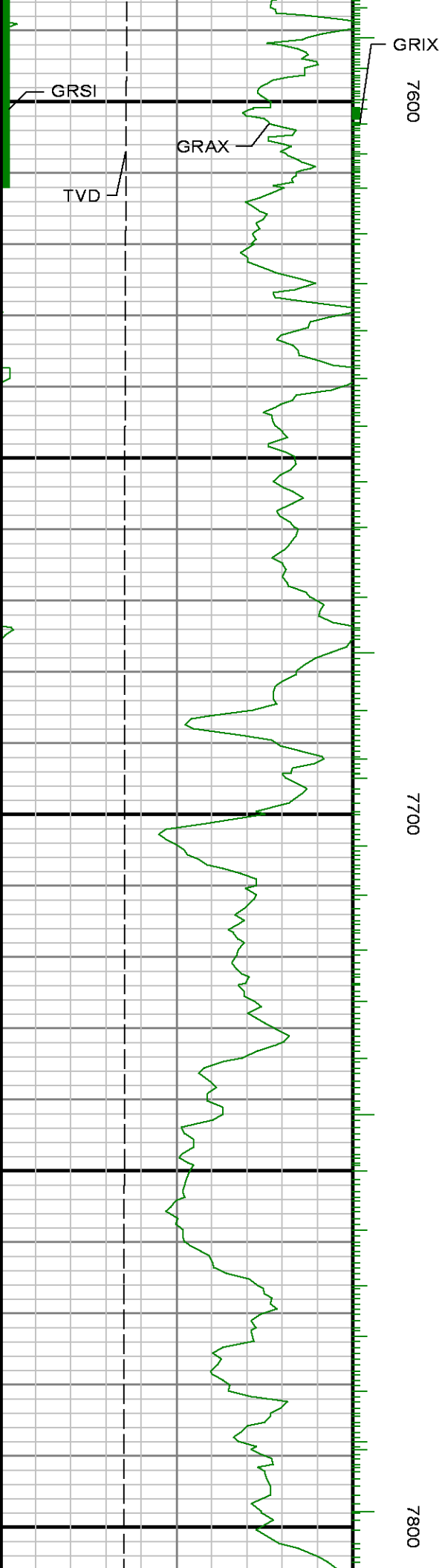
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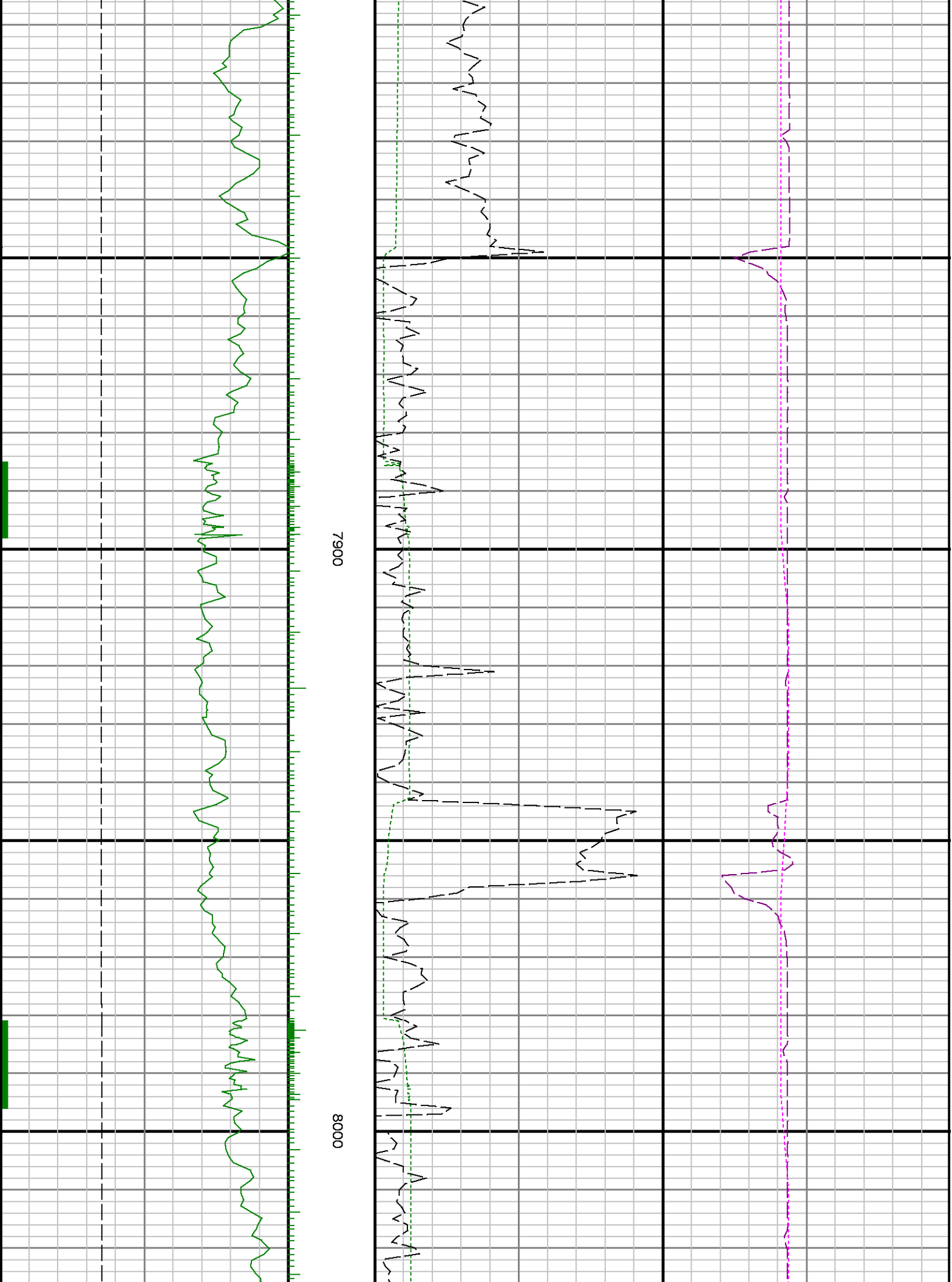
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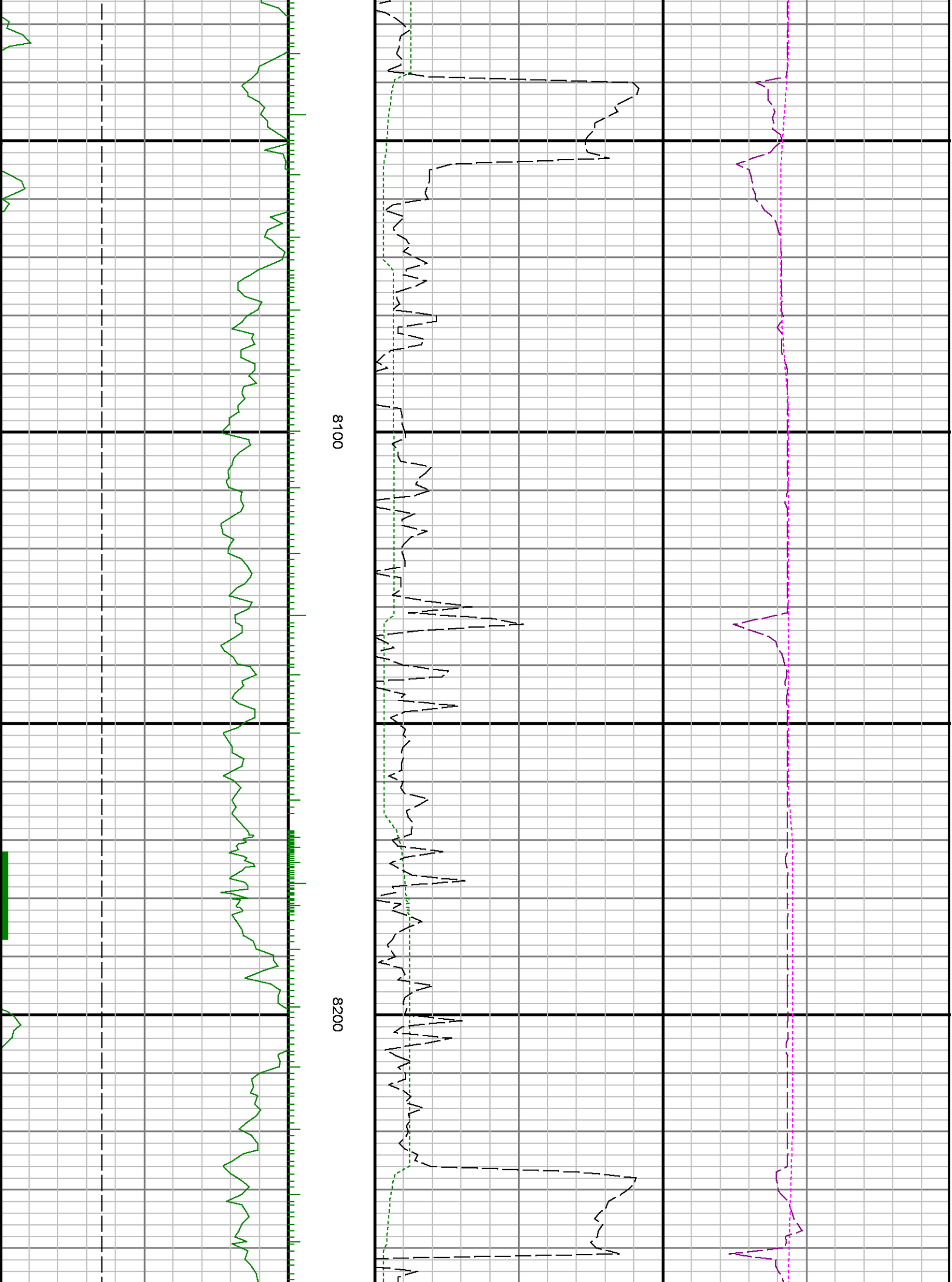
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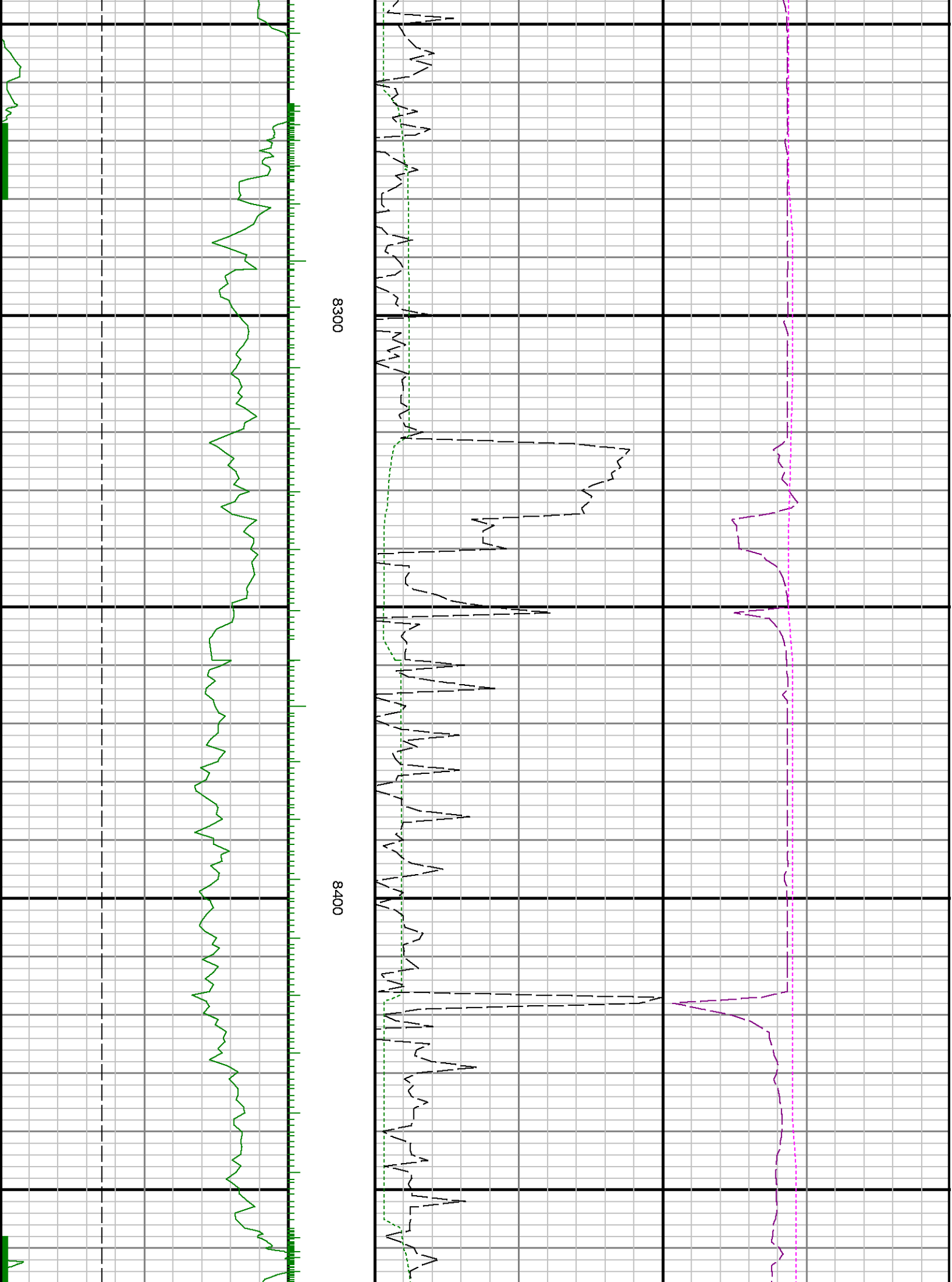
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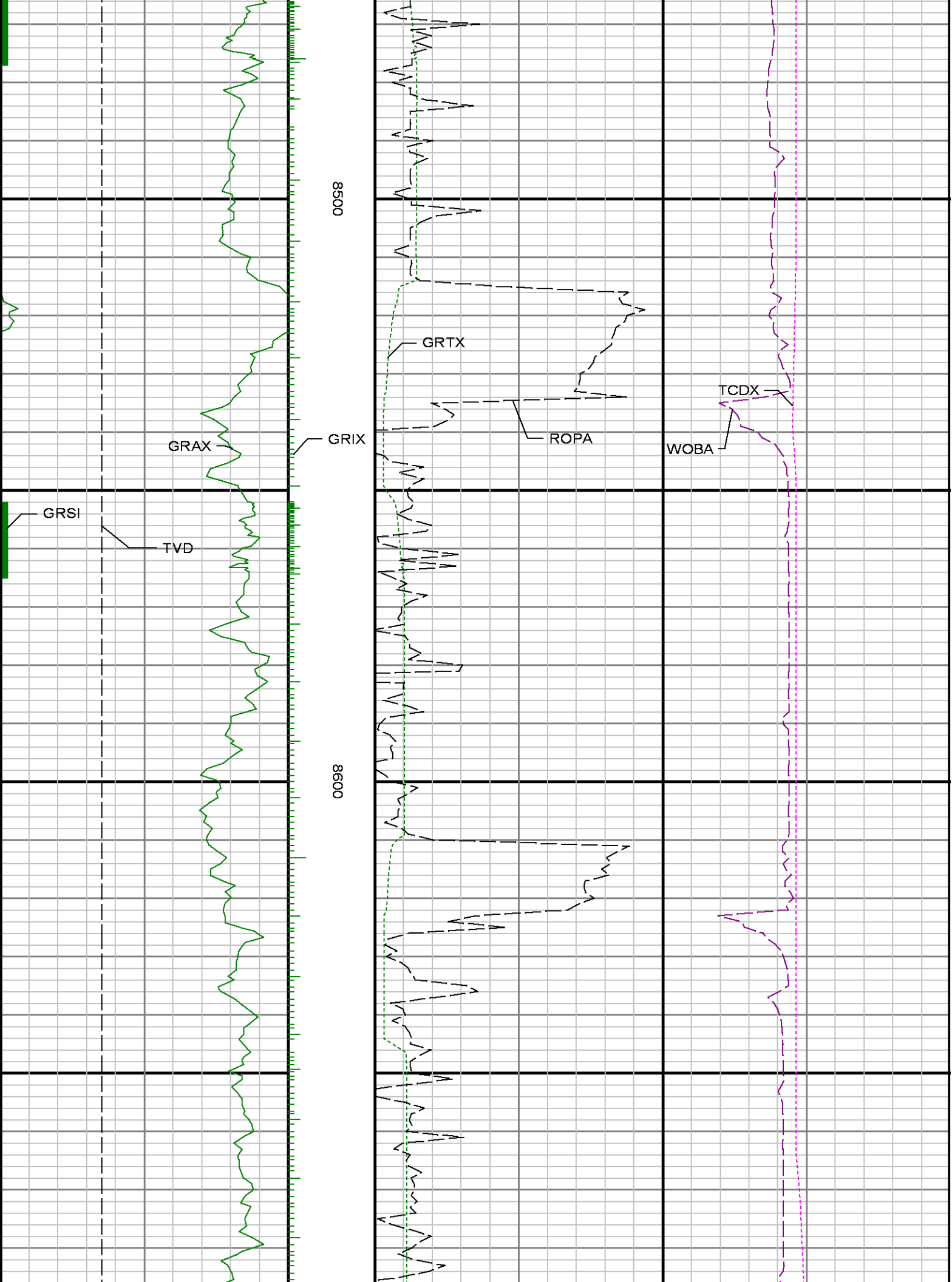
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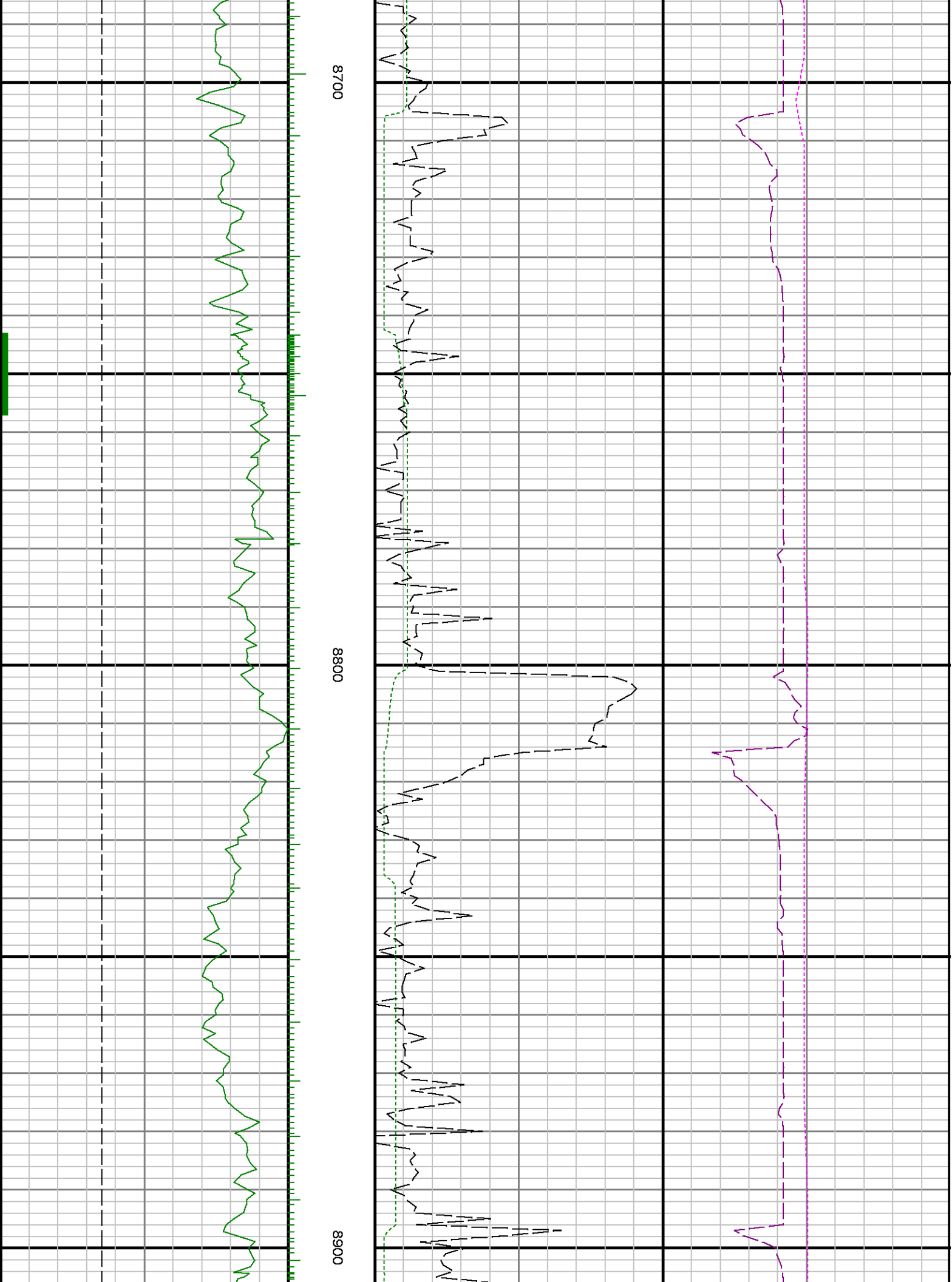


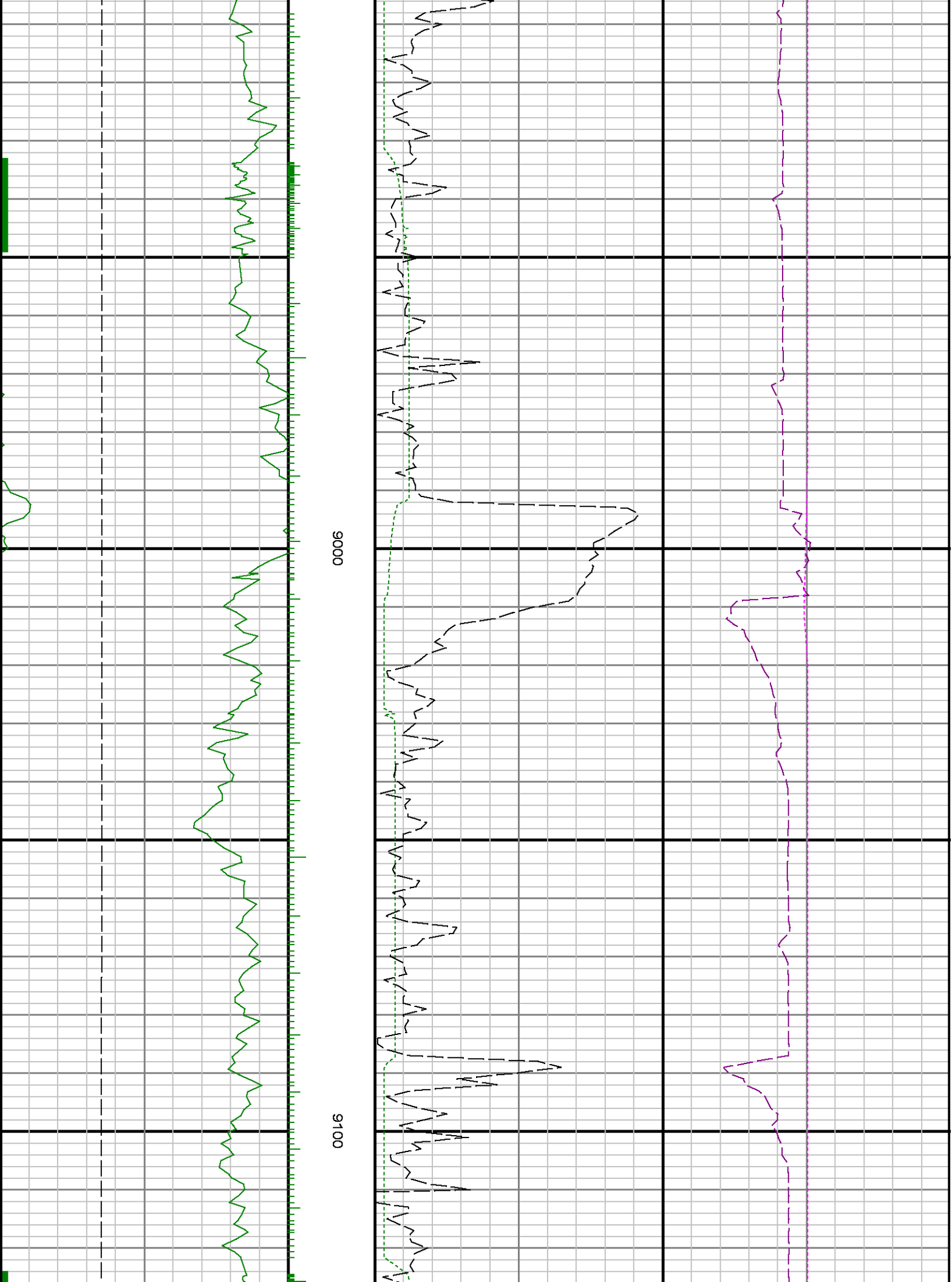


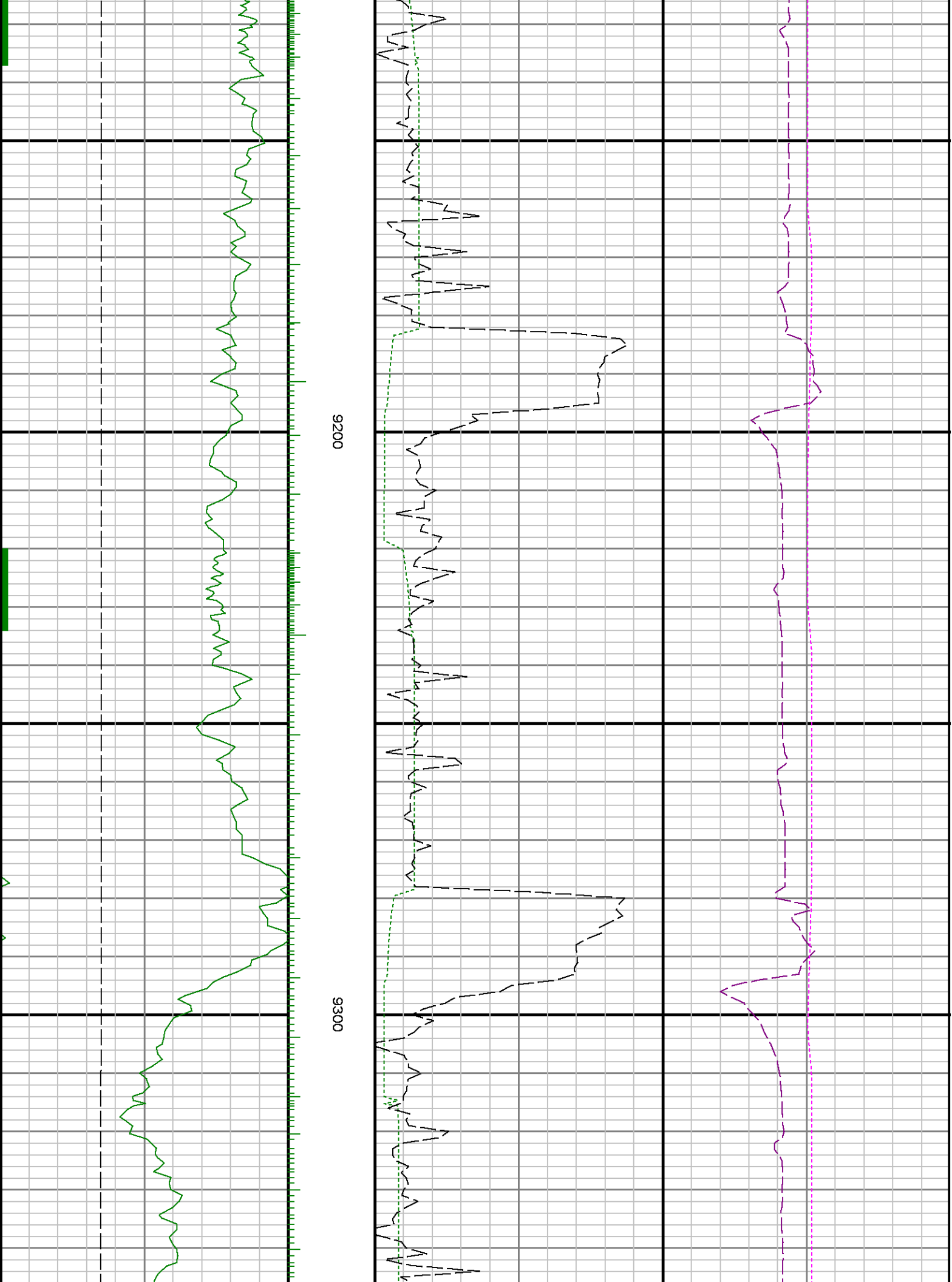


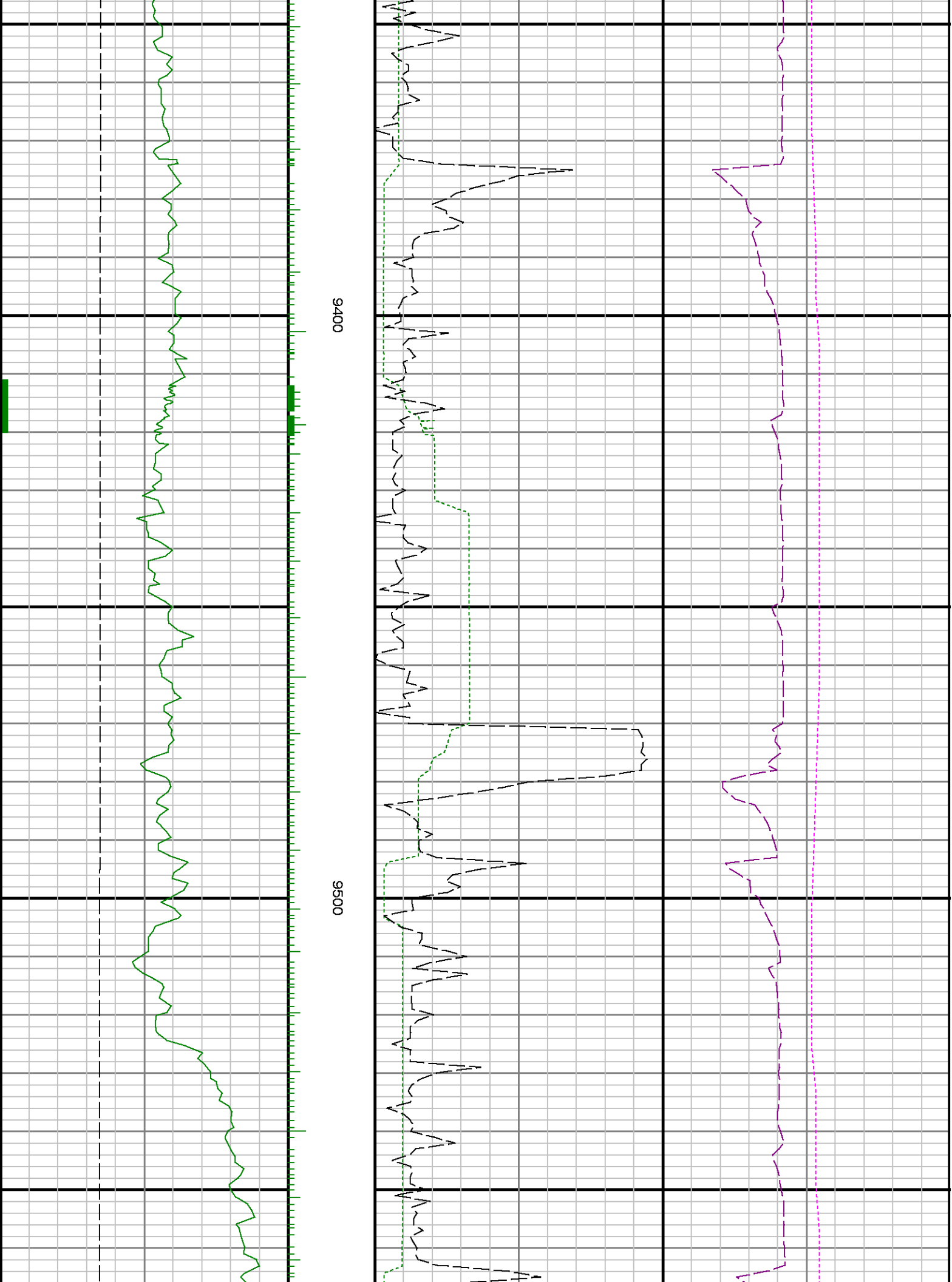


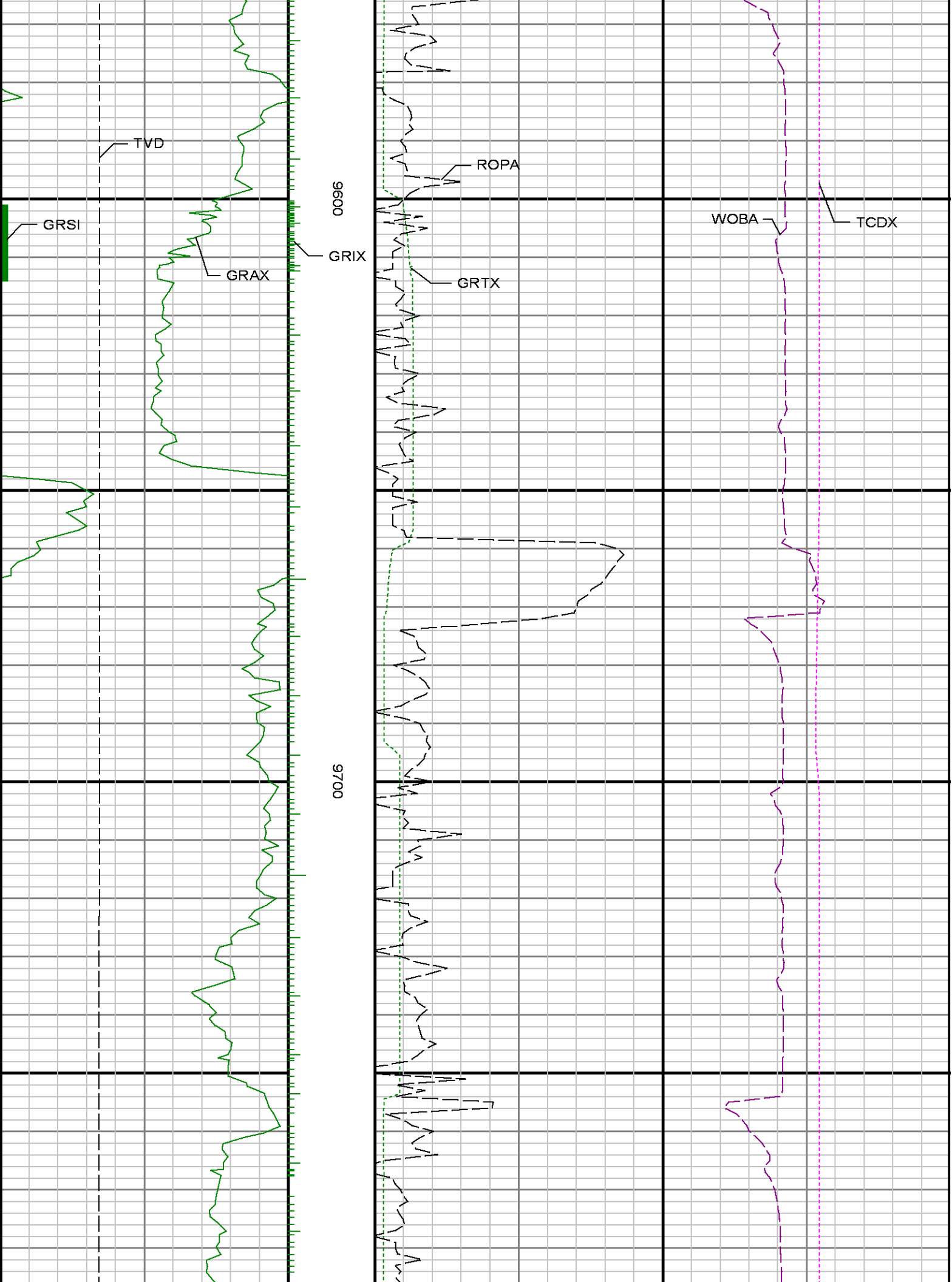


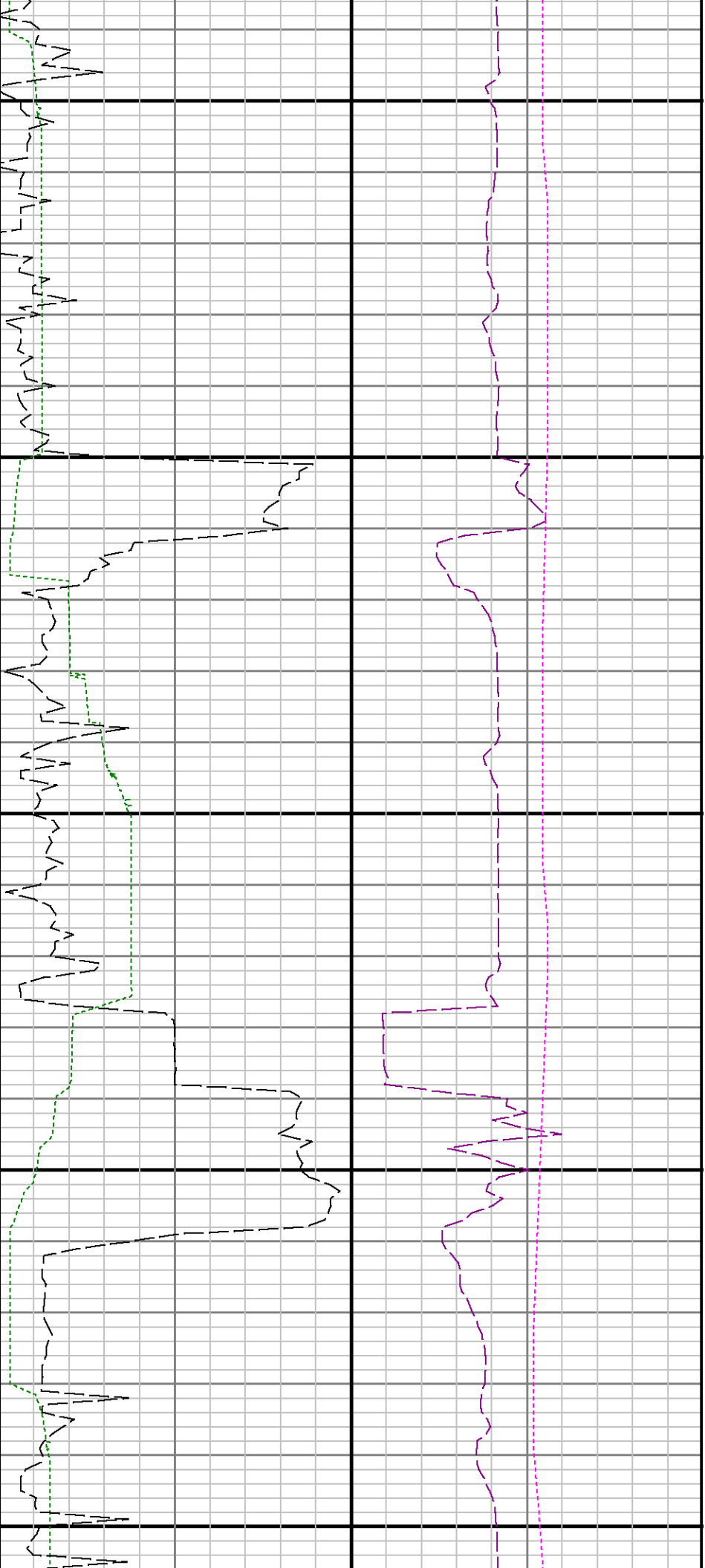








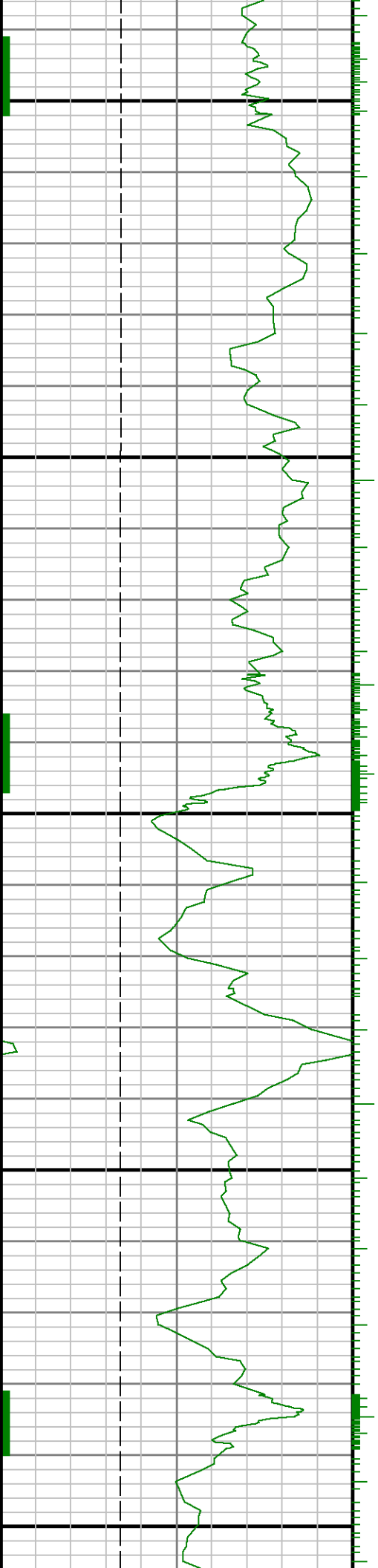


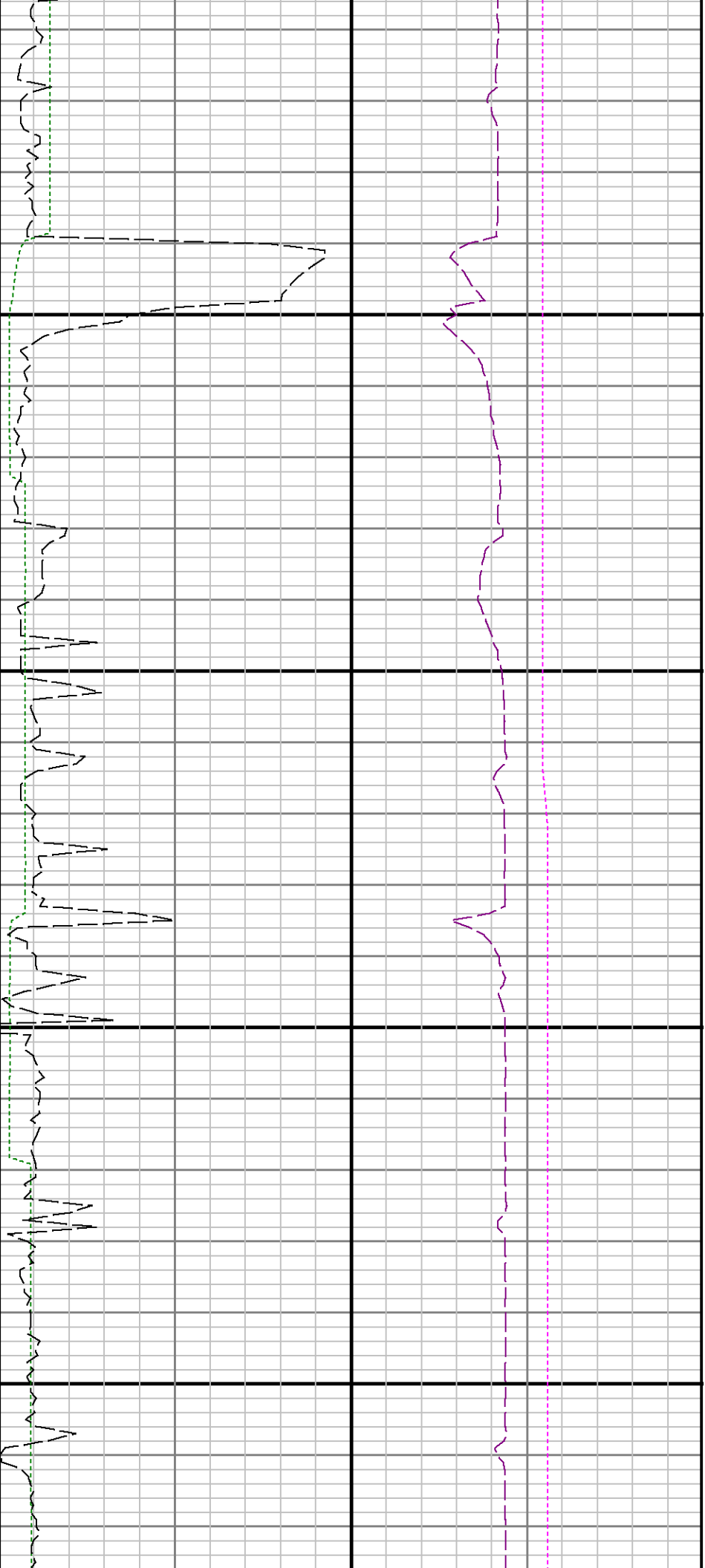


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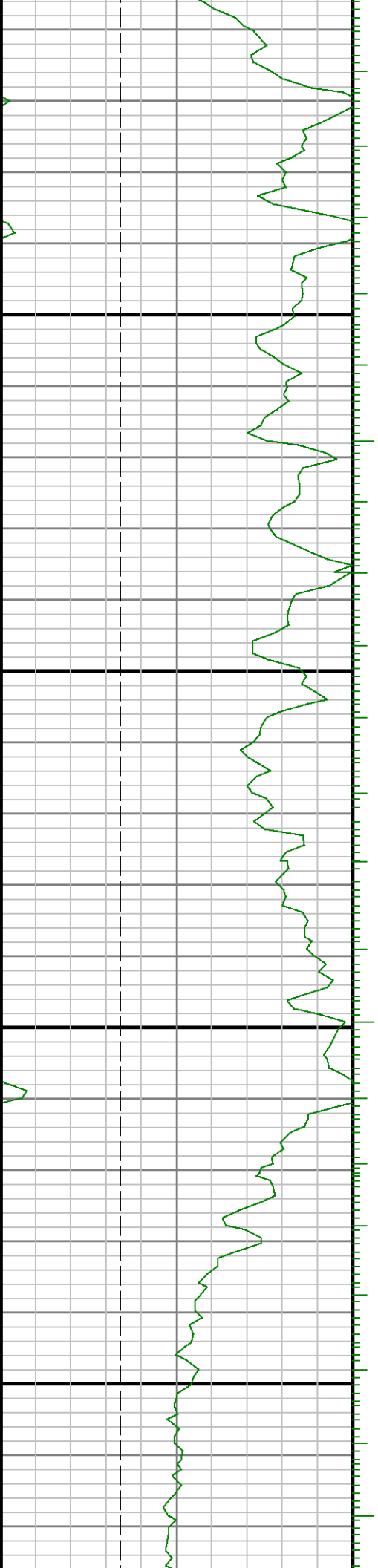
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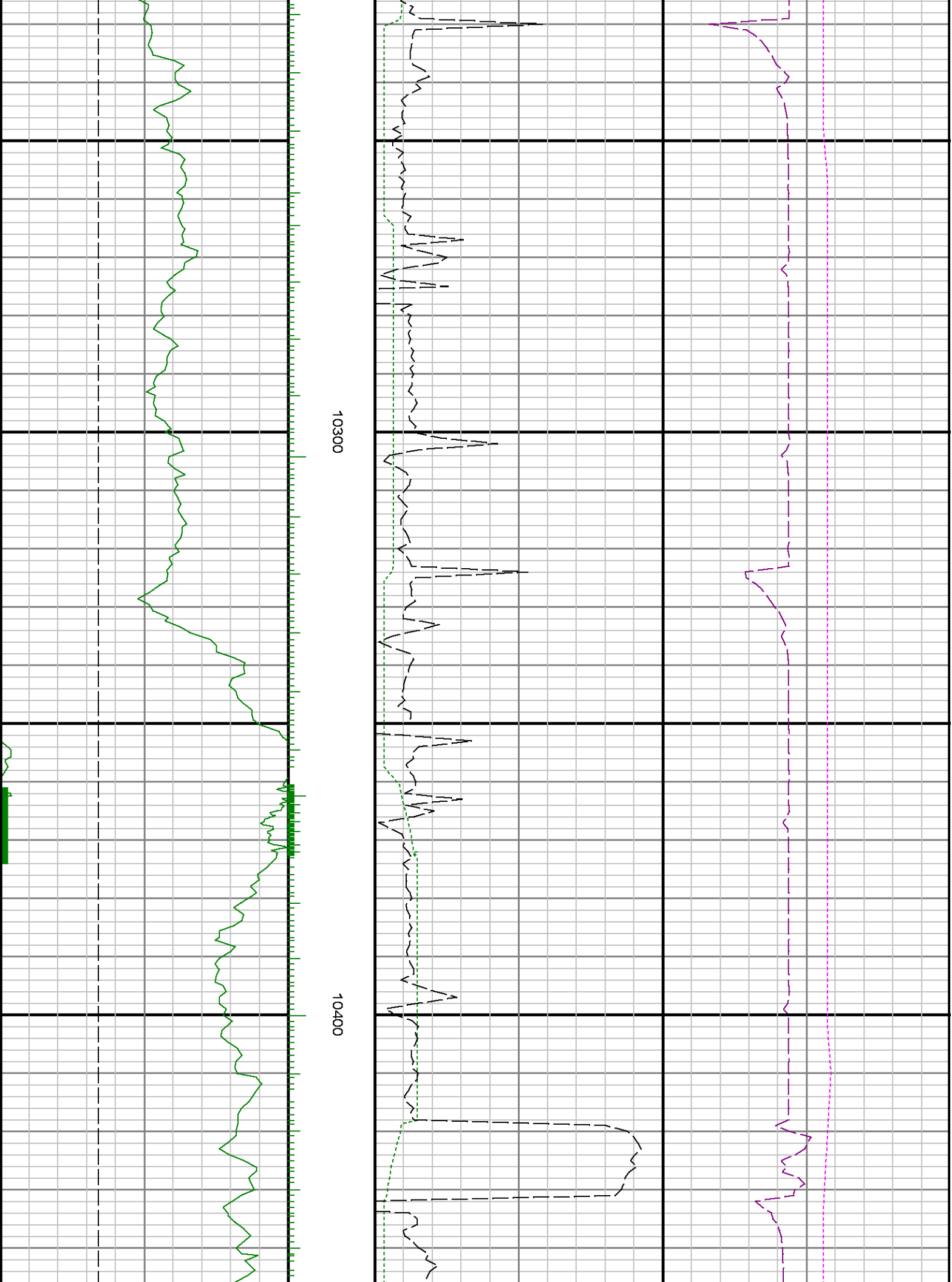


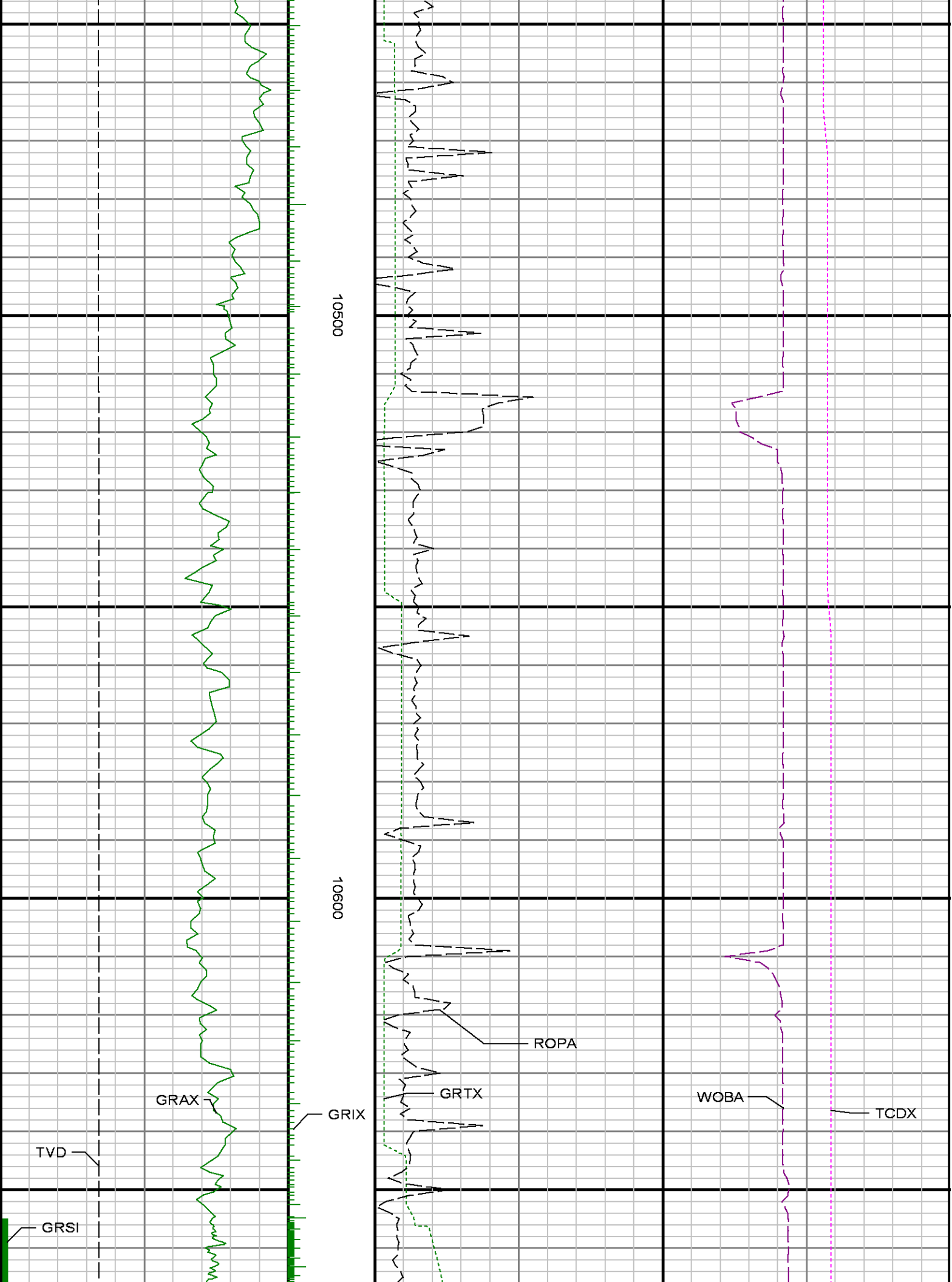


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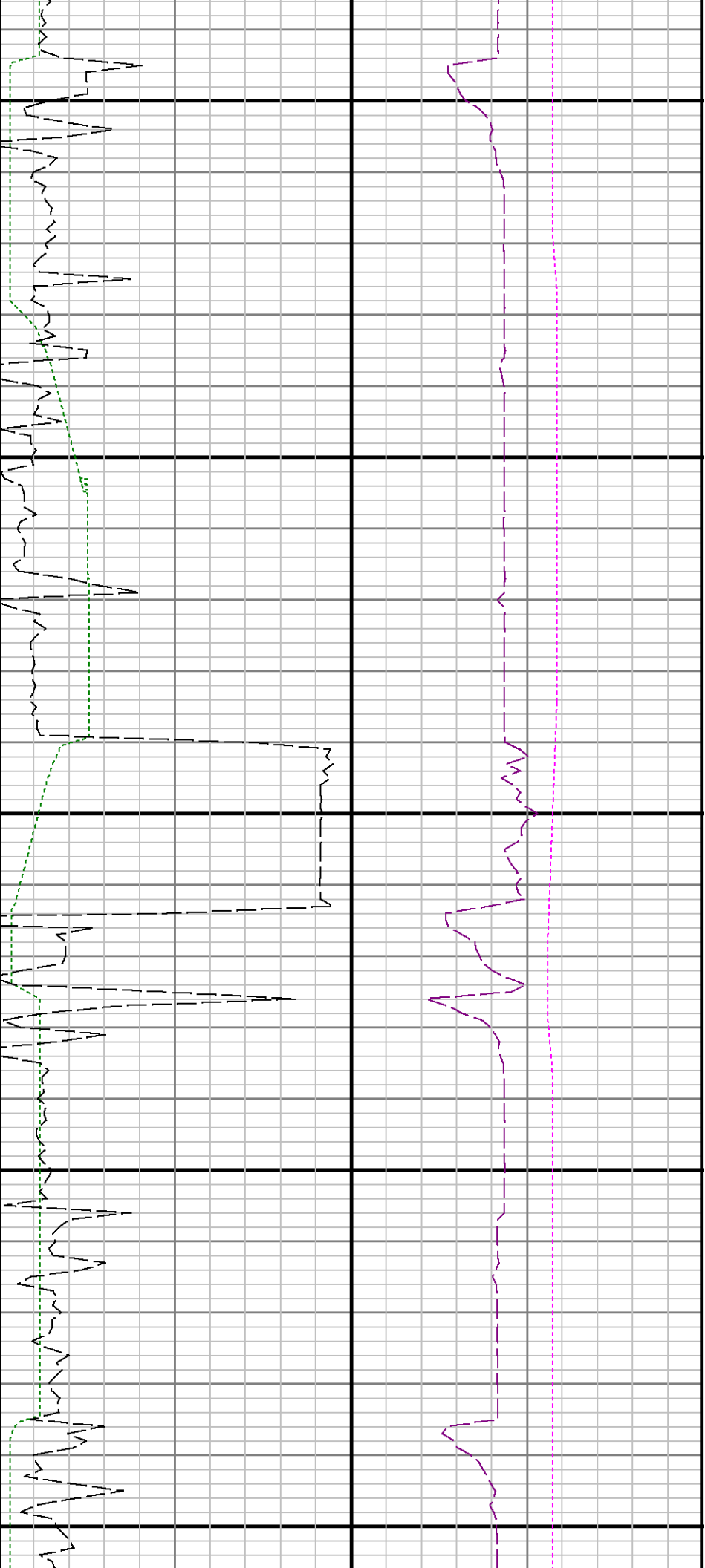
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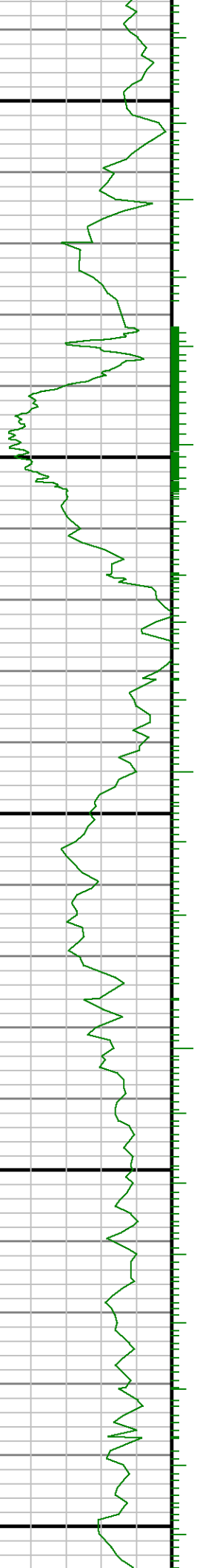
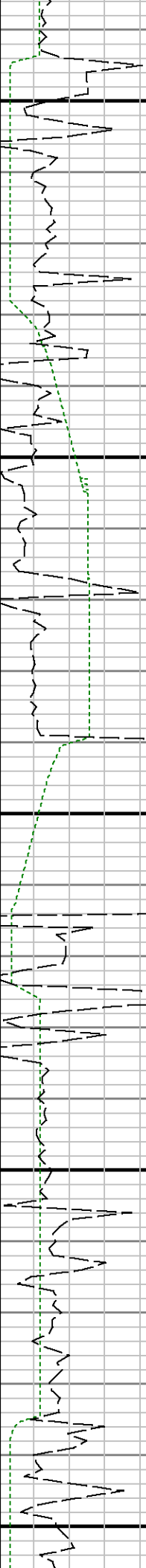


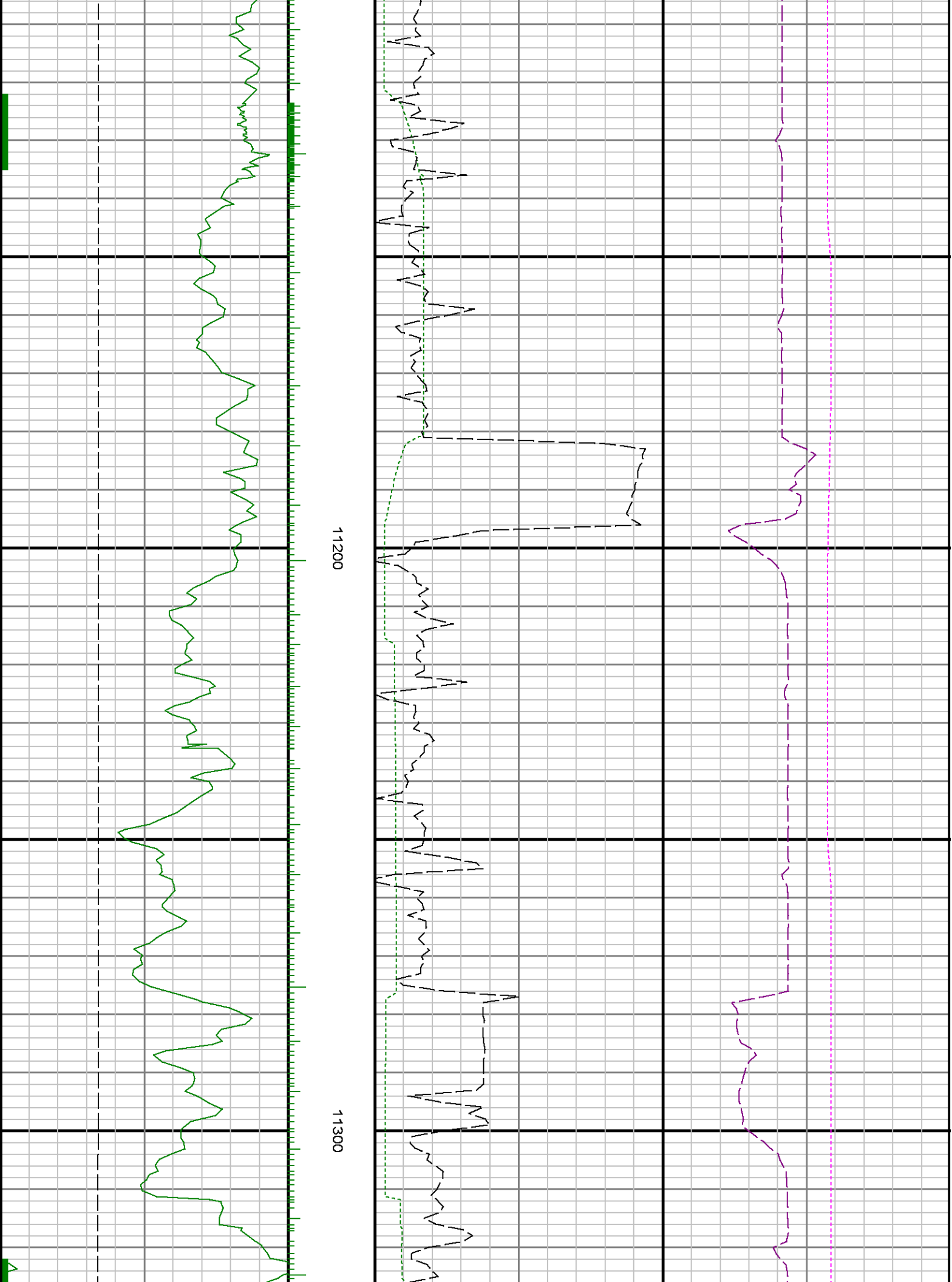


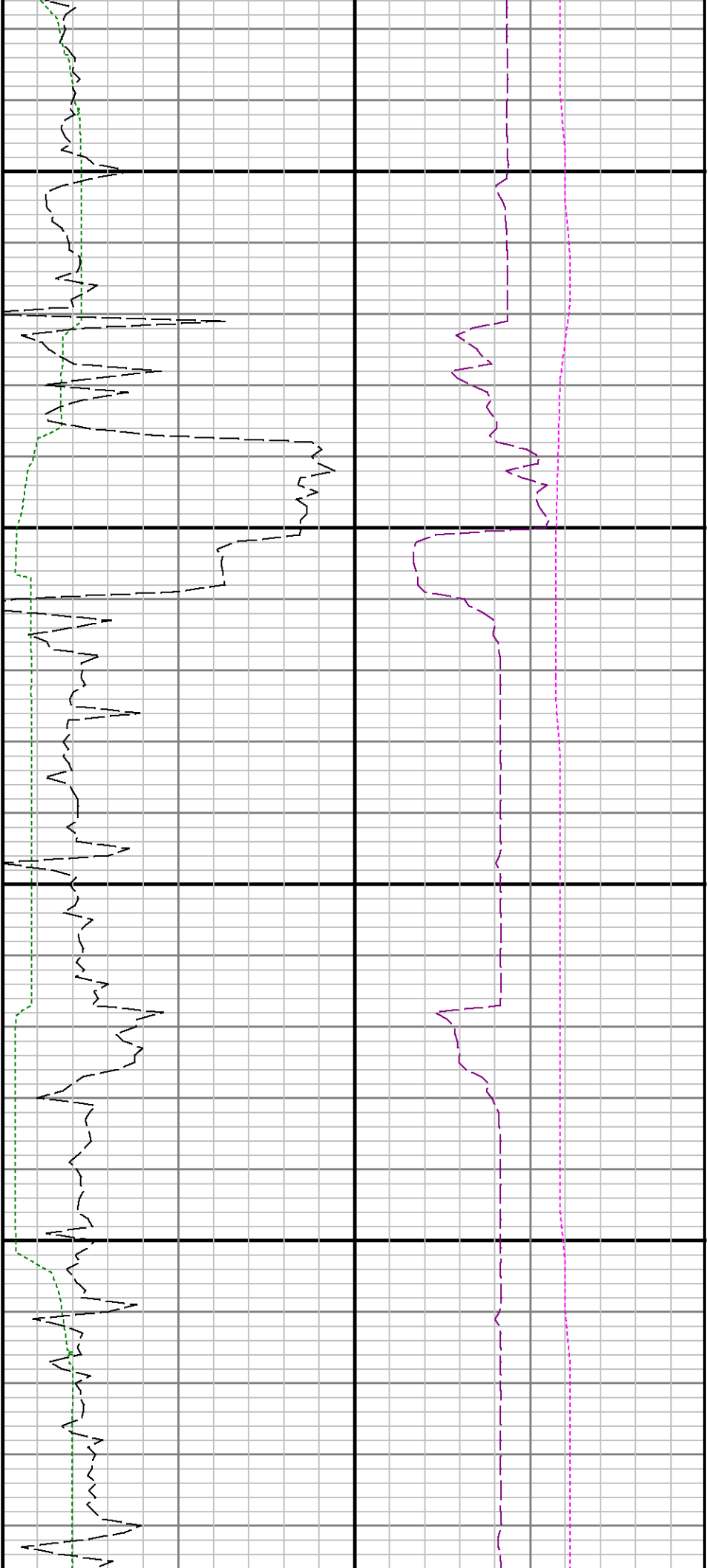
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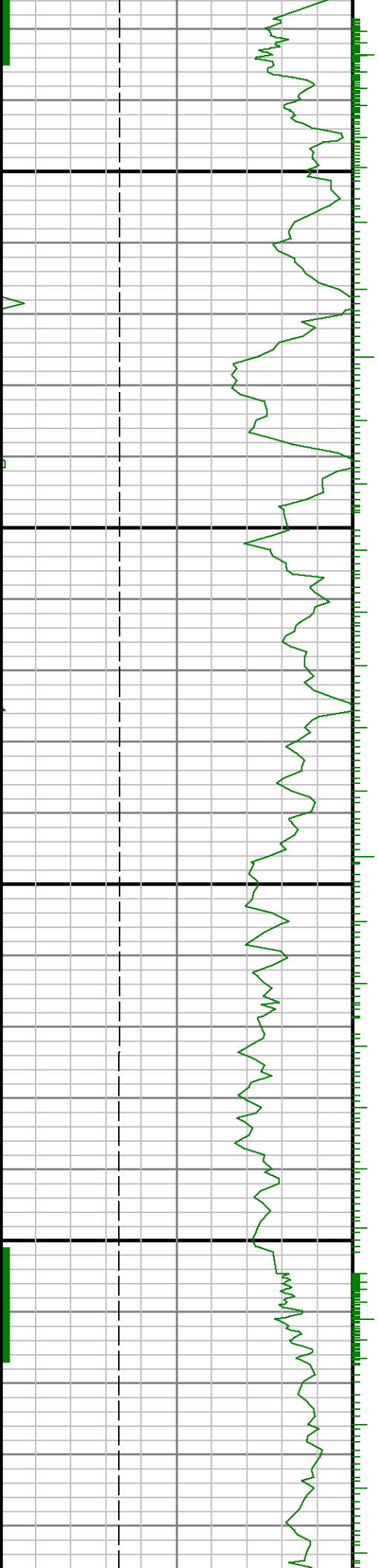


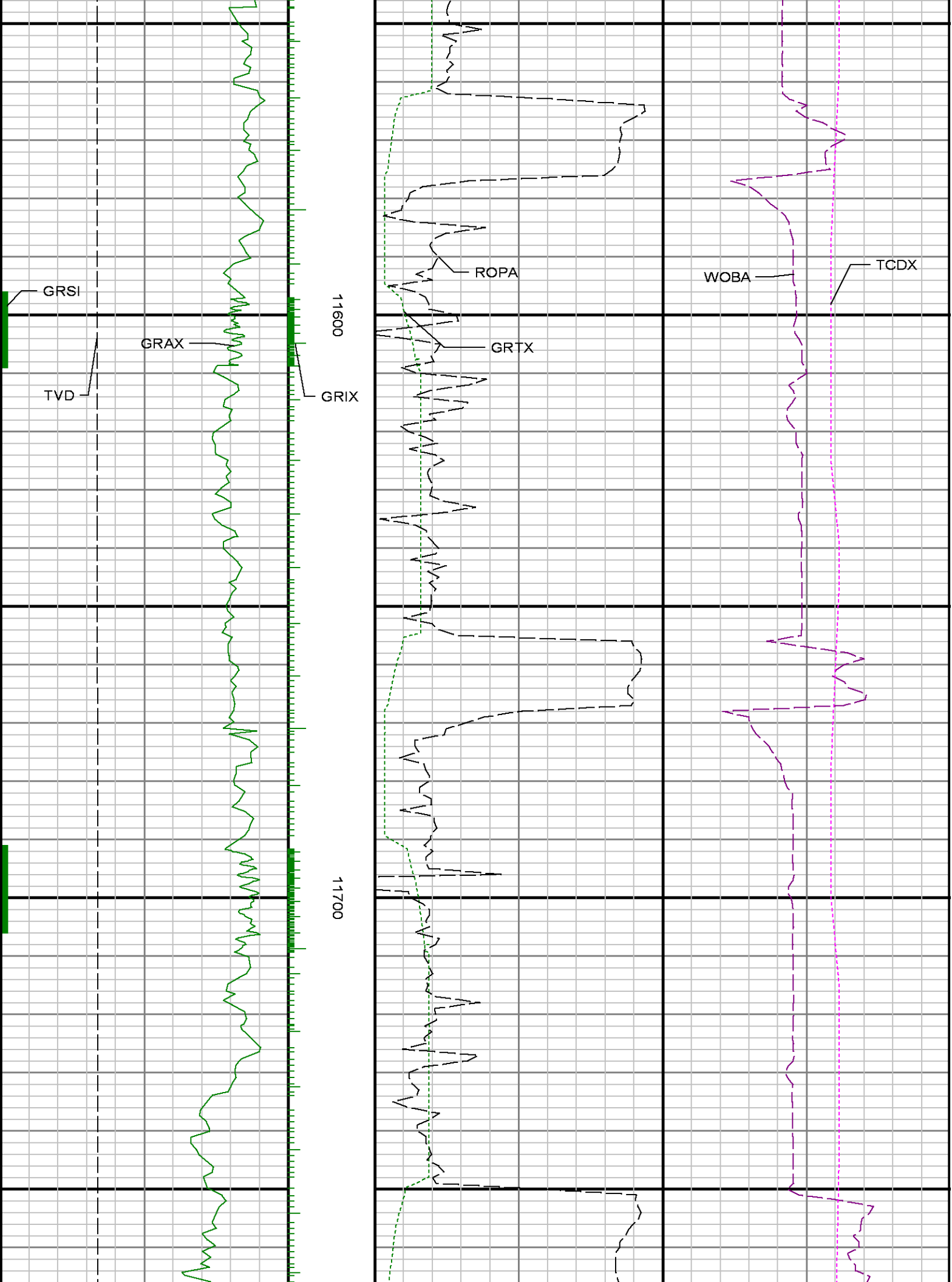


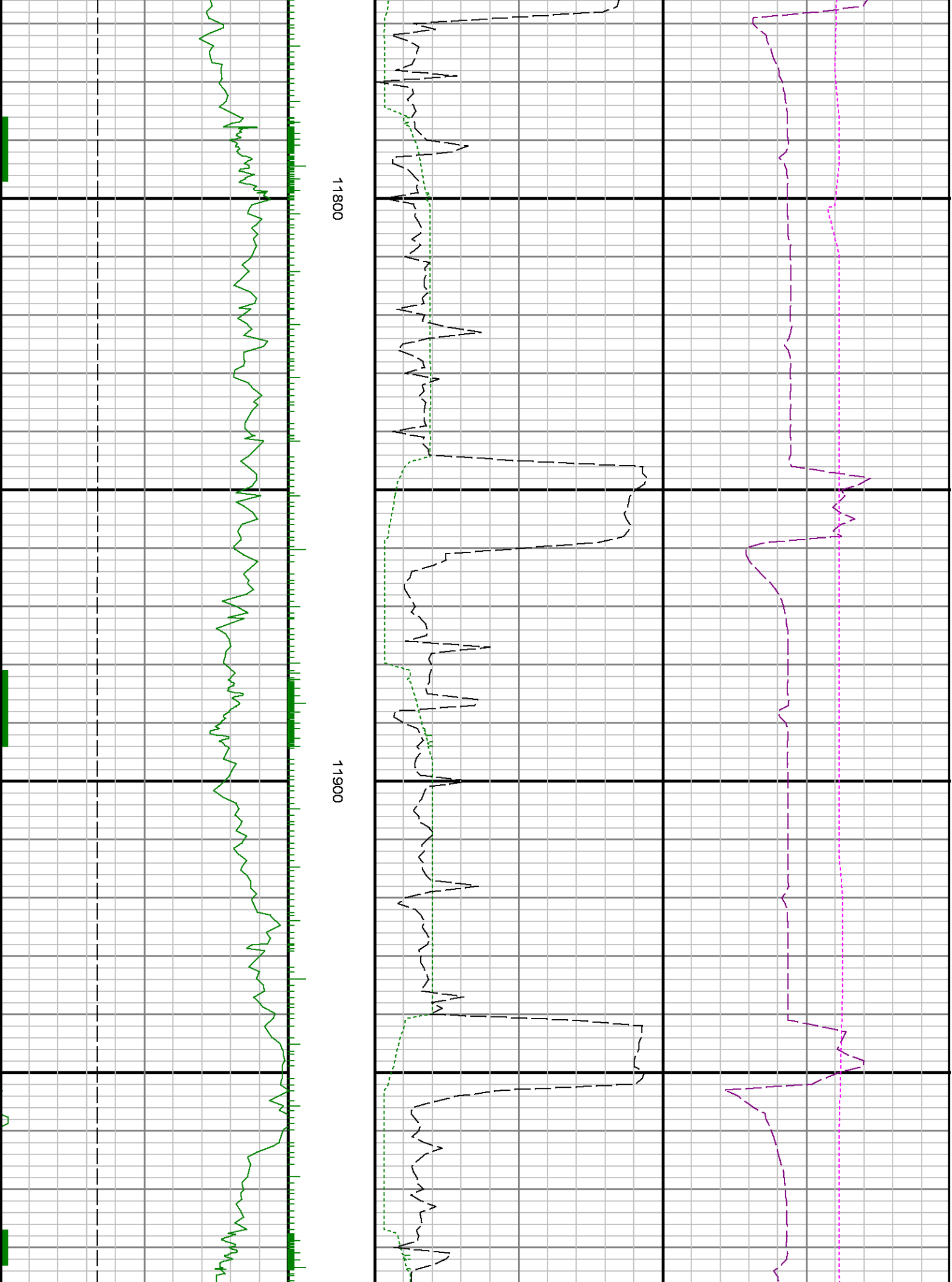


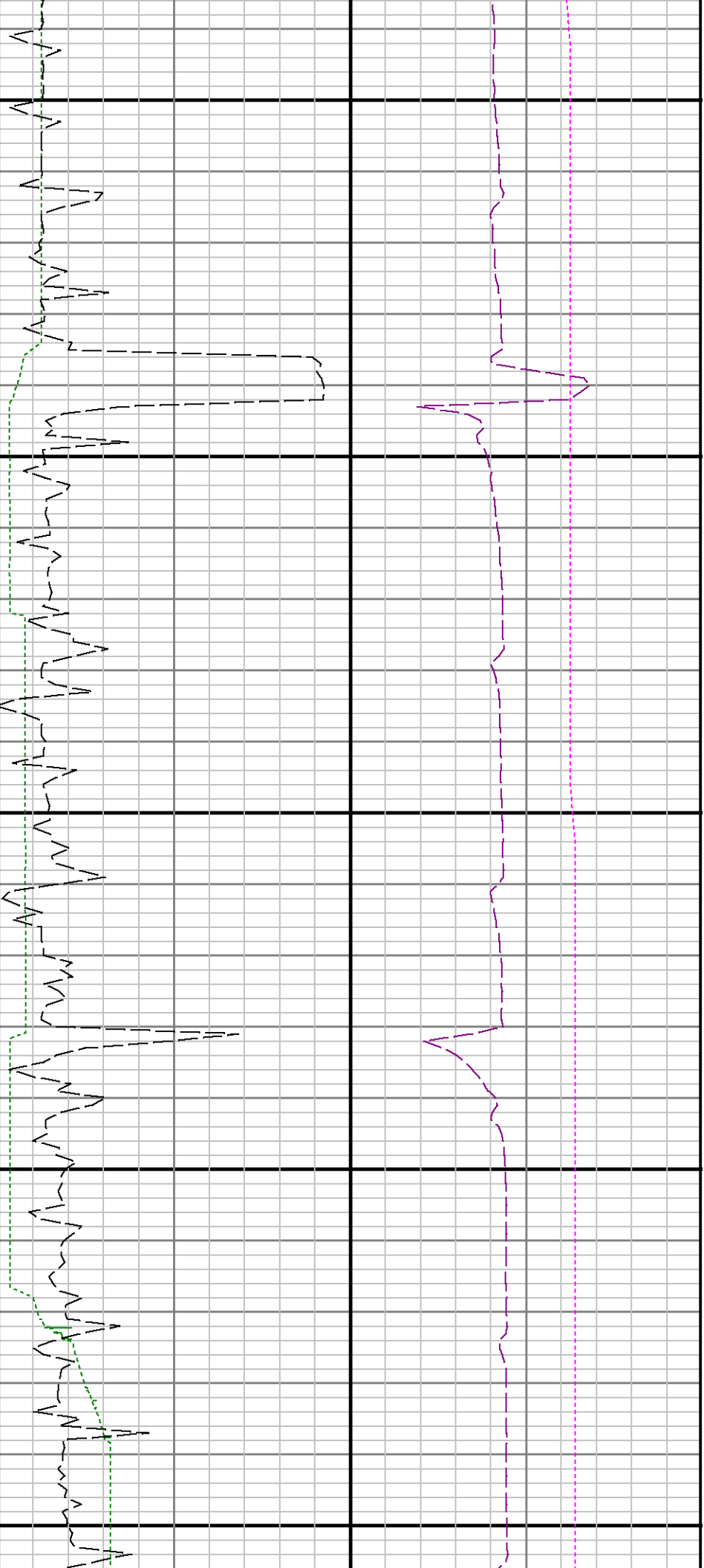
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