

Date / Time		LWD	Measured	Mud	Density	Viscosity	pH	Fluid	Oil /	Source	Total	K+
		Run No.	Depth	Type				Loss	Water		Chlorides	
			(ft.)		(ppg)	(cp)		(cc)			(ppm)	(%)
06 Jan 15	18:00	1	2121.0	Water-Based	8.5	28	8.0	10.0	1/98	Active pits	3500	N/A
07 Jan 15	18:00	1	6536.0	Water-Based	10.0	45	9.3	4.8	1/90	Active pits	3000	N/A
08 Jan 15	14:00	1	7809.0	Water-Based	10.2	55	9.2	4.8	1/89	Active pits	3000	N/A
09 Jan 15	20:00	1	7808.0	Water-Based	10.1	48	9.2	4.8	1/90	Active pits	3000	N/A
11 Jan 15	18:00	2	11300.0	Water-Based	9.7	44	9.0	4.8	1/91	Active pits	3500	N/A

Mnemonics

Curve	Description	Units
GRAX	Gamma Ray Apparent, 0.5 ft. avg.	API
GRIX	Gamma Ray Density	Points
ROPA	Rate of Penetration, 3.0 ft. avg.	ft/hr
TCDX	Downhole Temperature	deg F
TVD	True Vertical Depth	ft.
WOB_AVG	Surface Weight On Bit, 1.0 ft. avg.	klbf

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft)	Max O.D. (in.)	Min I.D. (in.)
1	DIR	11924683	Directional	56.39	6.750	0.000
1	SRIG	10585205	Gamma	53.02	6.750	0.000
2	DIR	11941435	Directional	64.18	4.750	0.000
2	SRIG	11734848	Gamma	60.80	4.750	0.000

Service and Tool Mnemonics

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

Comments

1) Baker Hughes INTEQ run 1 utilized a 6.5 inch NaviGamma (Gamma Ray and Directional) tool behind a 8 3/4inch bit and steerable assembly from 1633 to 7809 ft. MD (1632 to 7402 ft. TVD).
2) Baker Hughes INTEQ run 2 utilized a 4.75 inch NaviGamma (Gamma Ray and Directional) tool behind a 6 1/8 inch bit and steerable assembly from 7809 to 13103 ft. MD (7402 to 7405 ft. TVD).

Remarks

Number	Measured Depth (ft)	Hole Section (in.)	LWD Run No.	Remark
1	6886	8.750	1	The interval from surface to 6886 feet MD (6821 feet TVD) was not logged due to gamma logging services begining at the start of the curve.
2	7758	8.750	1	The interval from 7758 to 7809 feet MD (7398 to 77402 feet TVD) was logged up to 53 hours after drilling due to tripping out of the hole from remaining part of the wellbore. No logs were taken during this time. Gamma data is attempted due to logging behind casing.

note for a reaming run of the wellbore, casing, cement operations. Gamma data is attenuated due to logging behind casing.

3

13036

6.125

2

The interval from 13036 to 13103 feet MD (7404 to 7405 feet TVD) was not logged due to sensor offsets to bit at TD.



Company : Kerr-McGee Oil & Gas Onshore LP

Well : Steward 14C-6HZ

Interval : 6860.00 - 13121.11 feet

Created : 12/Jan/2015 10:49:18 AM

Gamma Ray Apparent 0.5 ft Avg GRAX

0 150

API

True Vertical Depth TVD

6000 10000

ft

MD feet 1:240

Rate of Penetration 3.0 ft Avg ROPA

0 1000

ft/hr

Surface Weight On Bit 1.0 ft Avg WOBA

0 150

klbf

Downhole Temperature TCDX

100 300

degF

See Remark 1

TVD

GRAX

GRIX

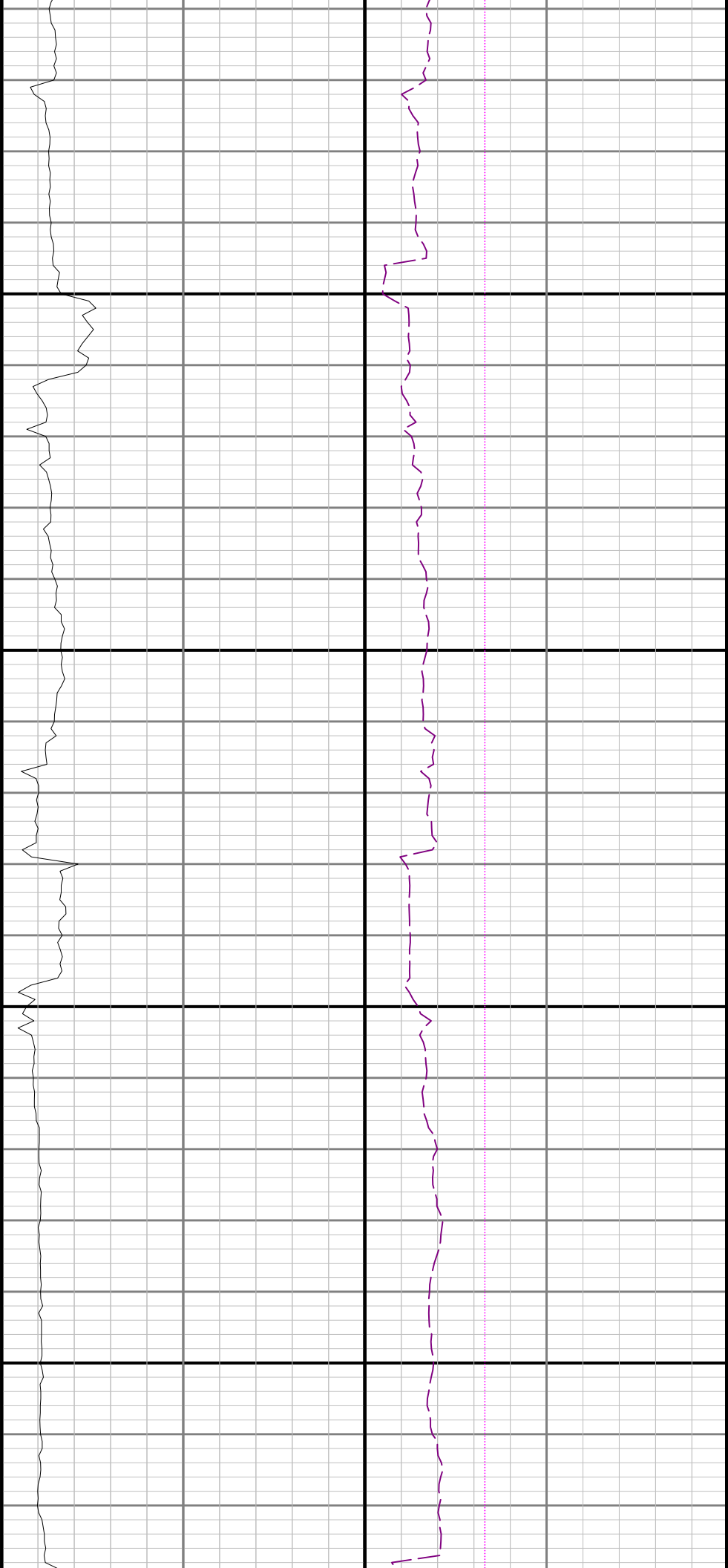
ROPA

WOBA

TCDX

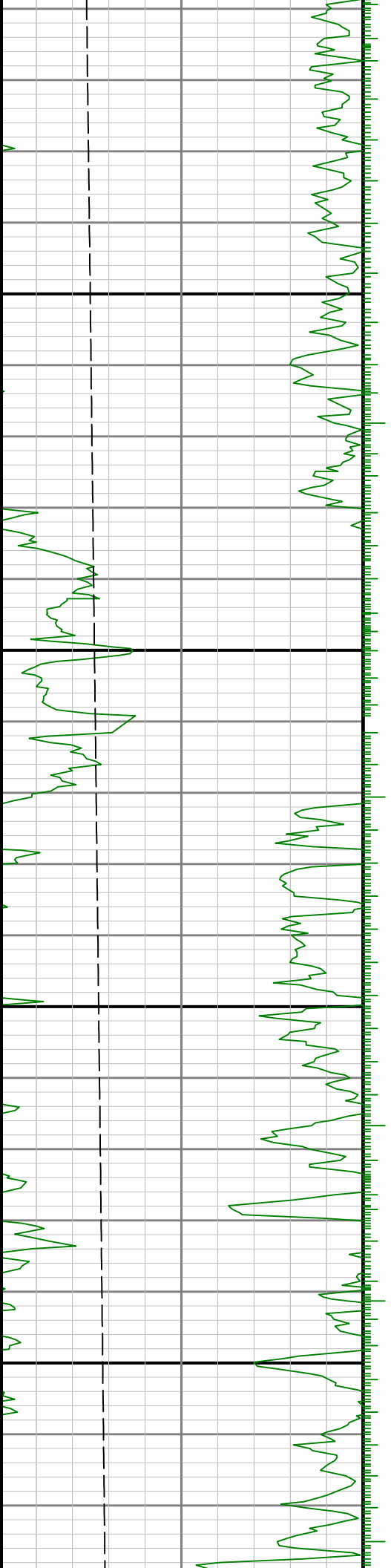
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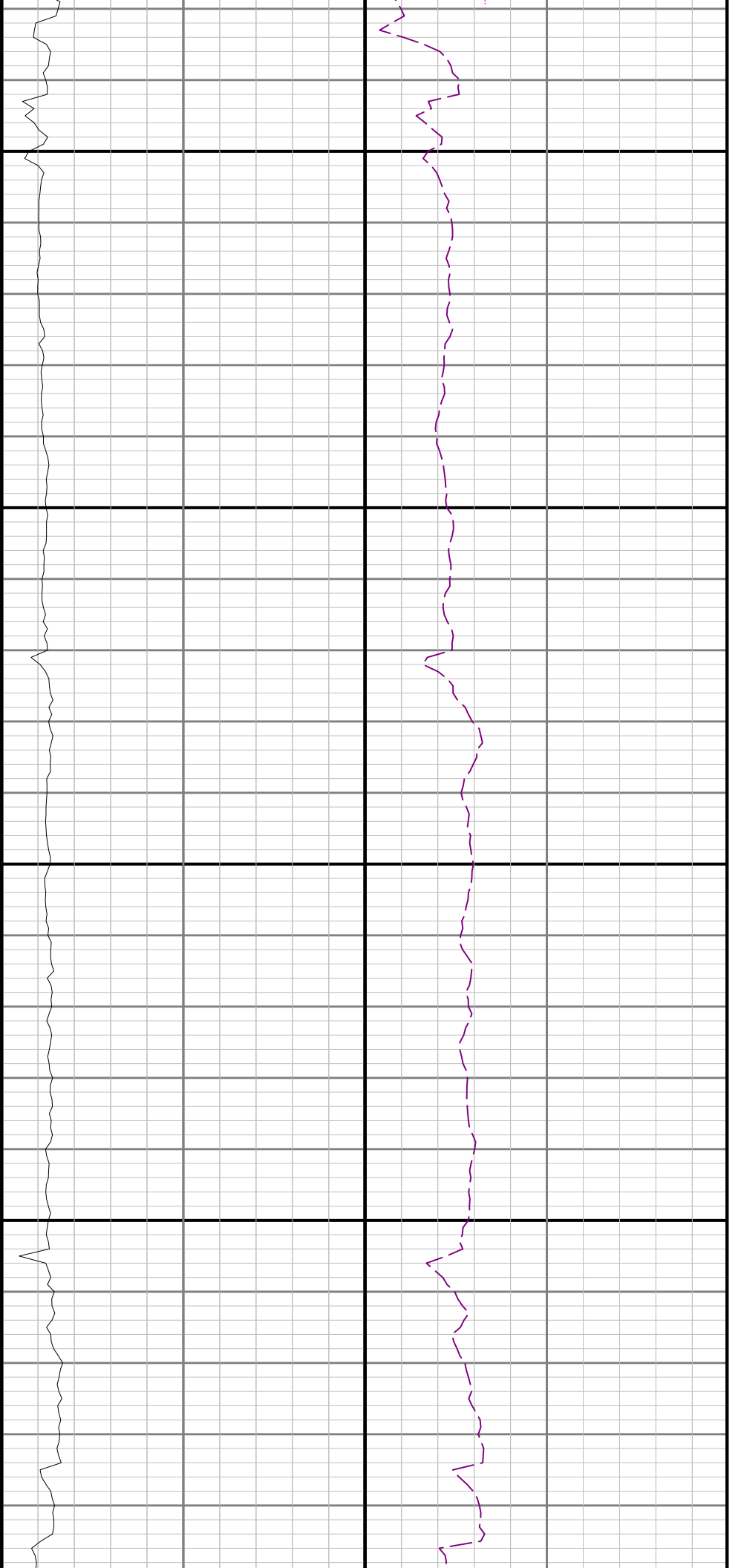
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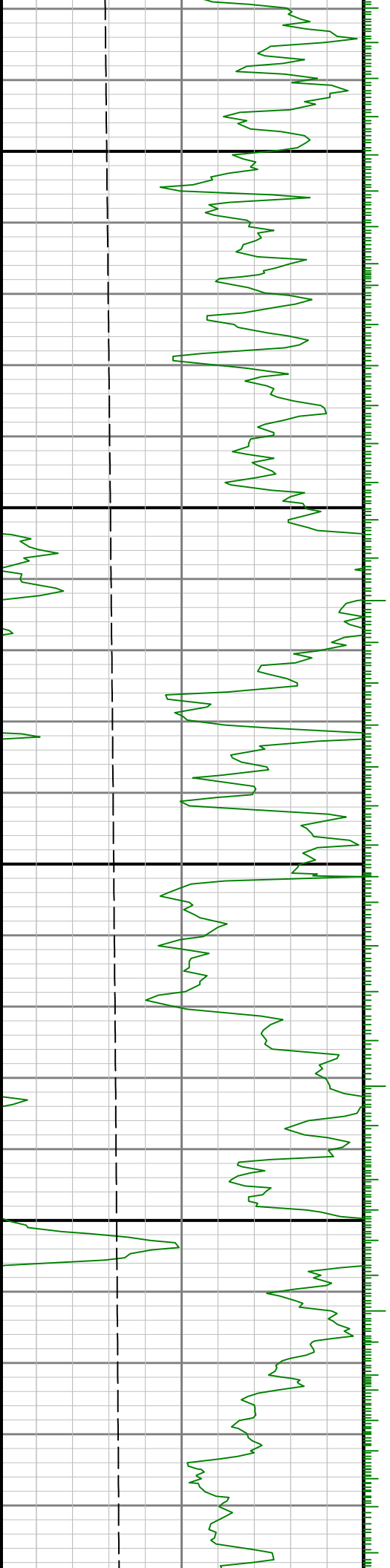
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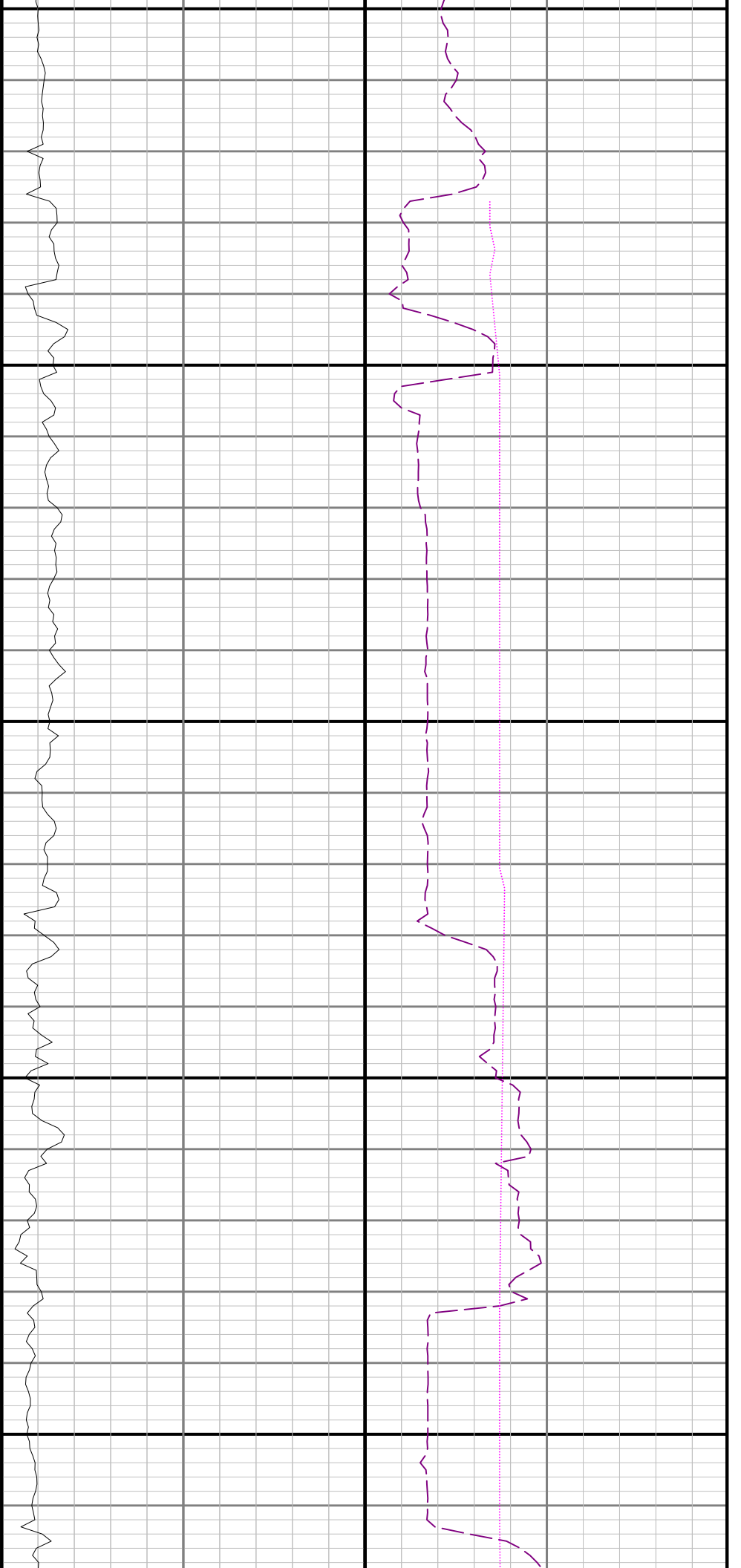




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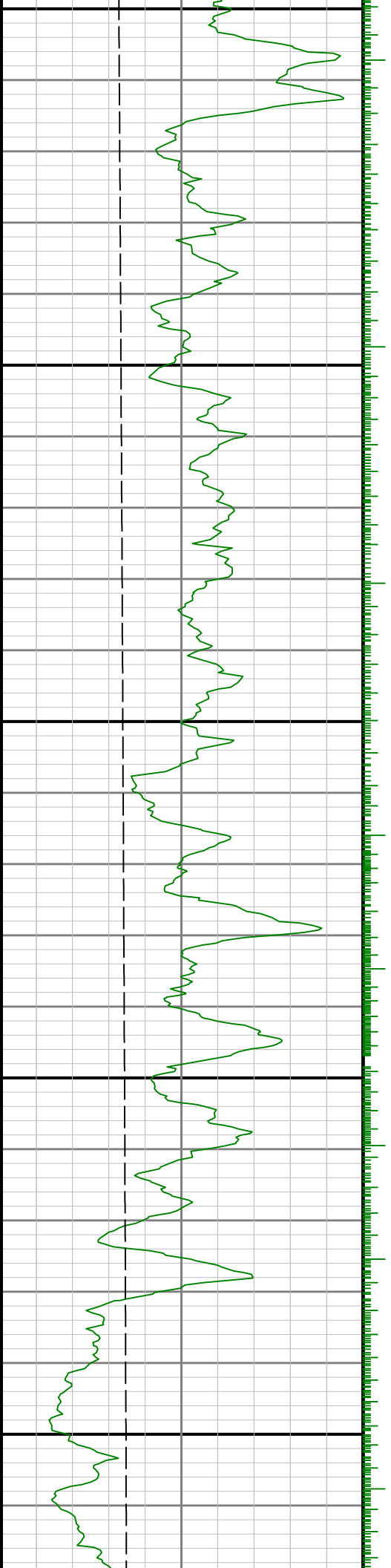
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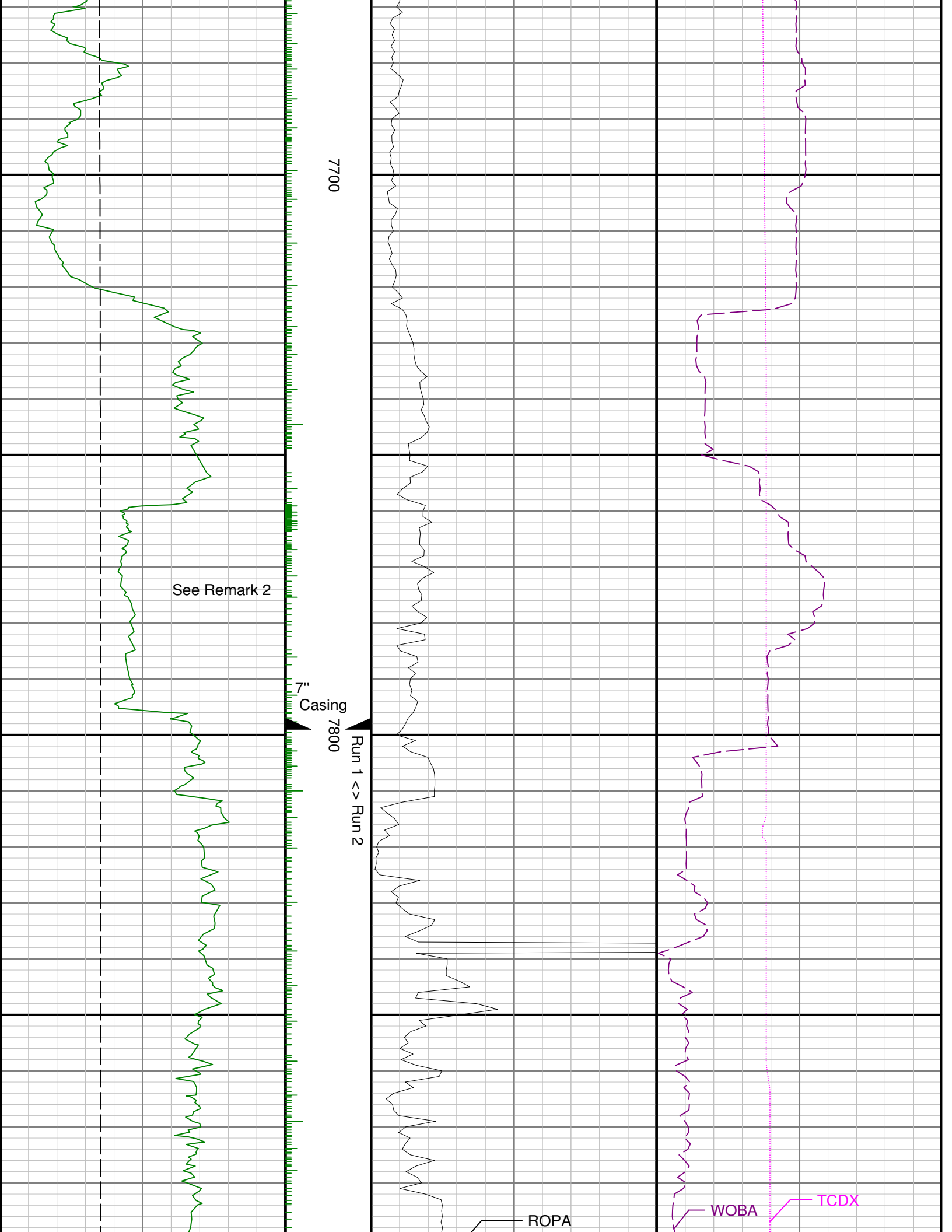


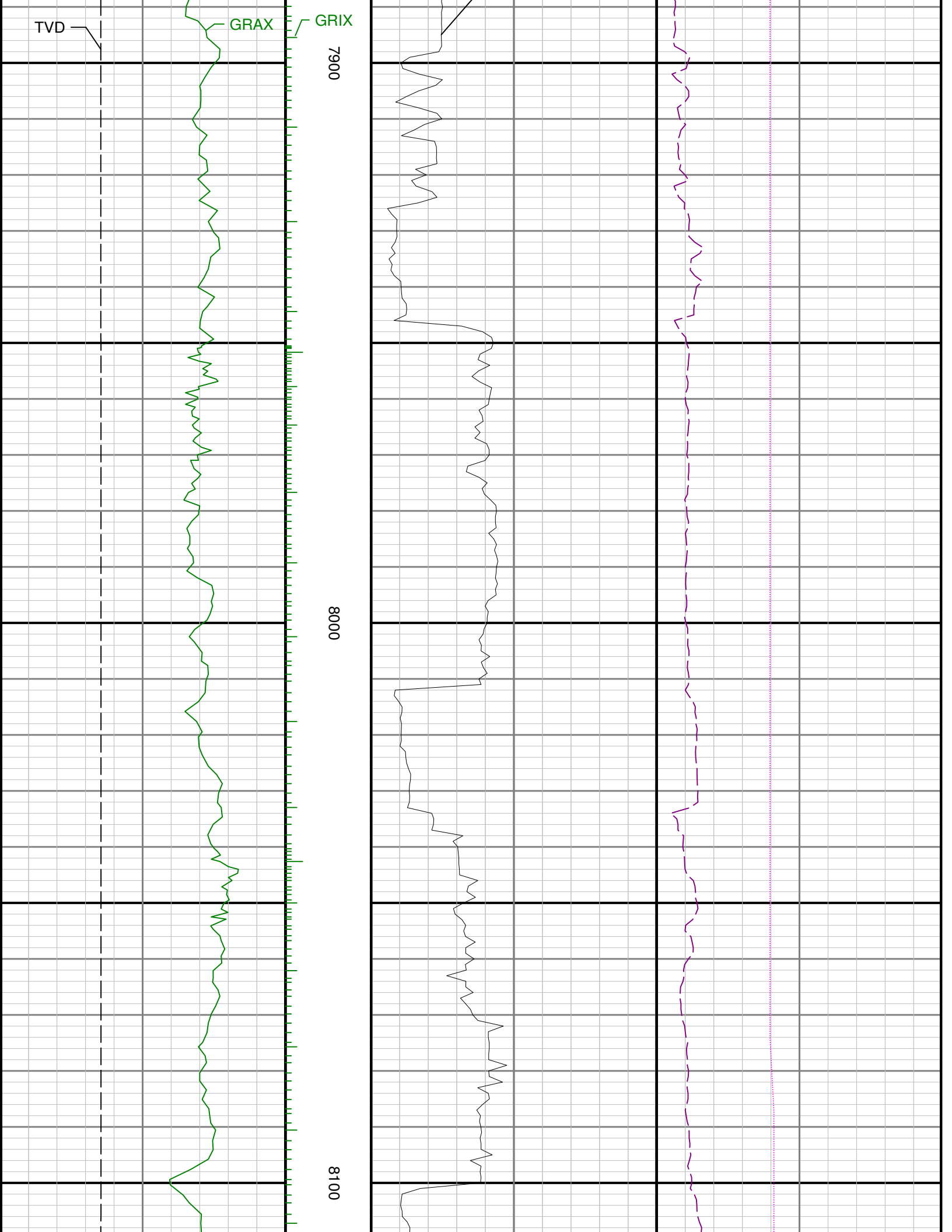


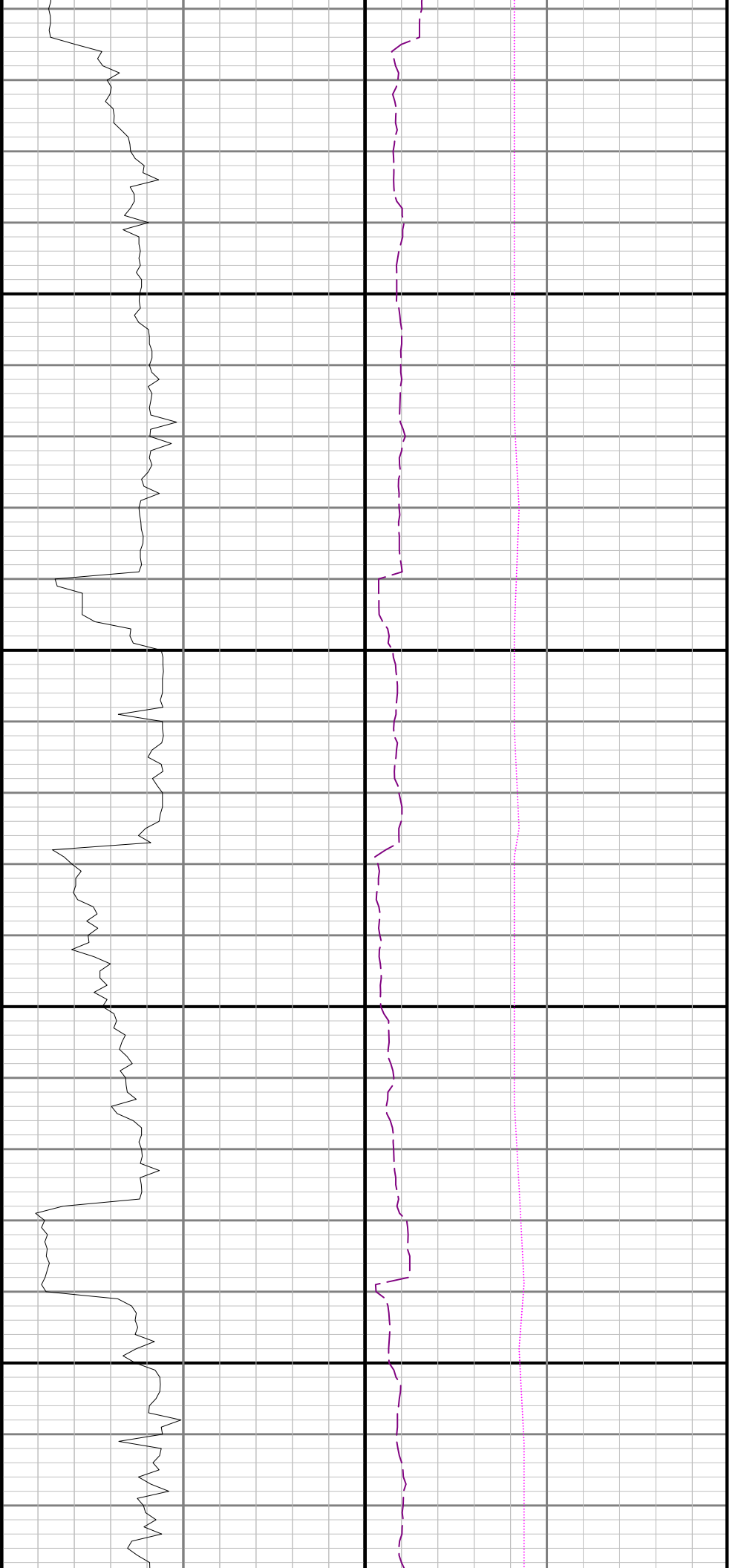
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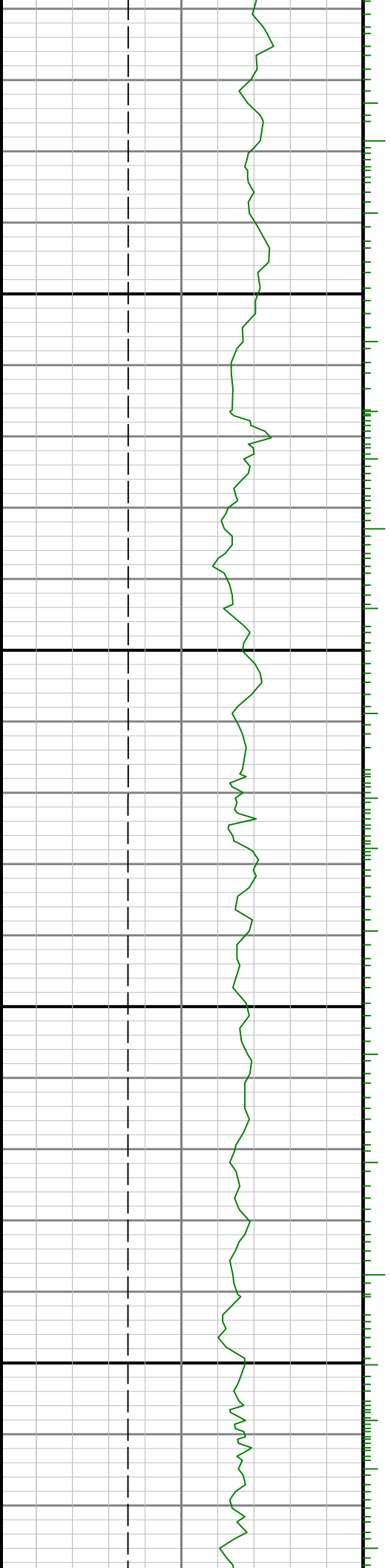


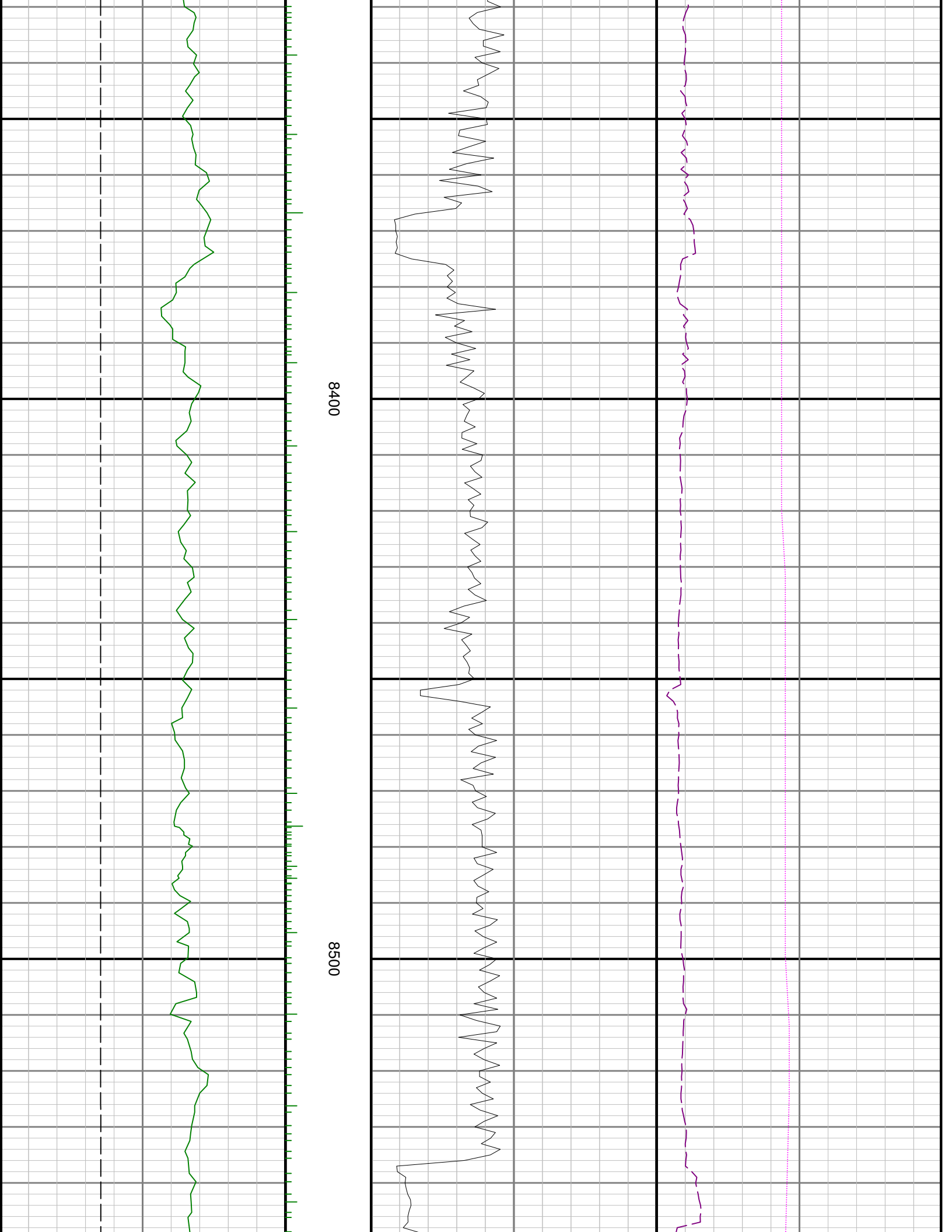


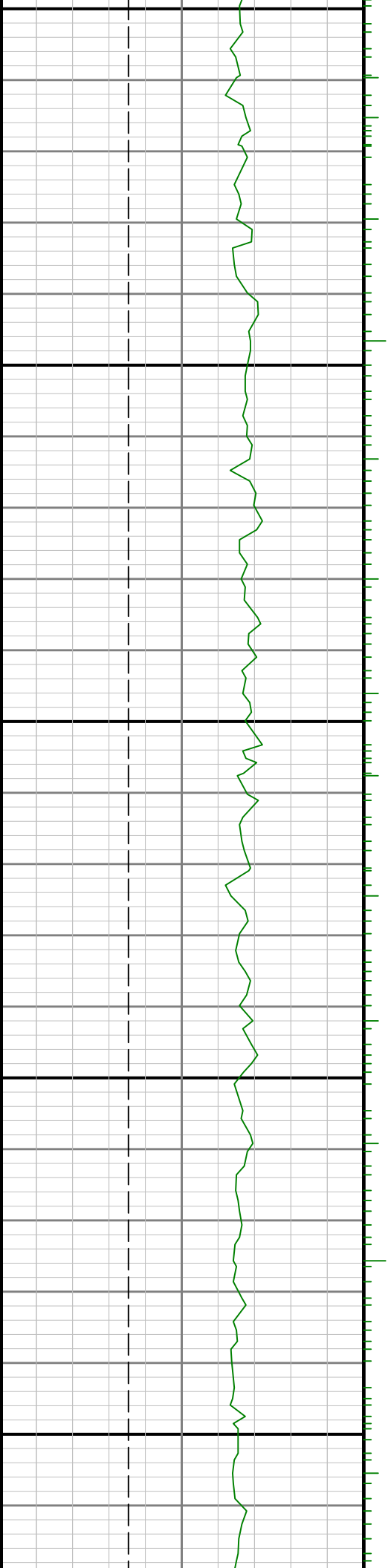


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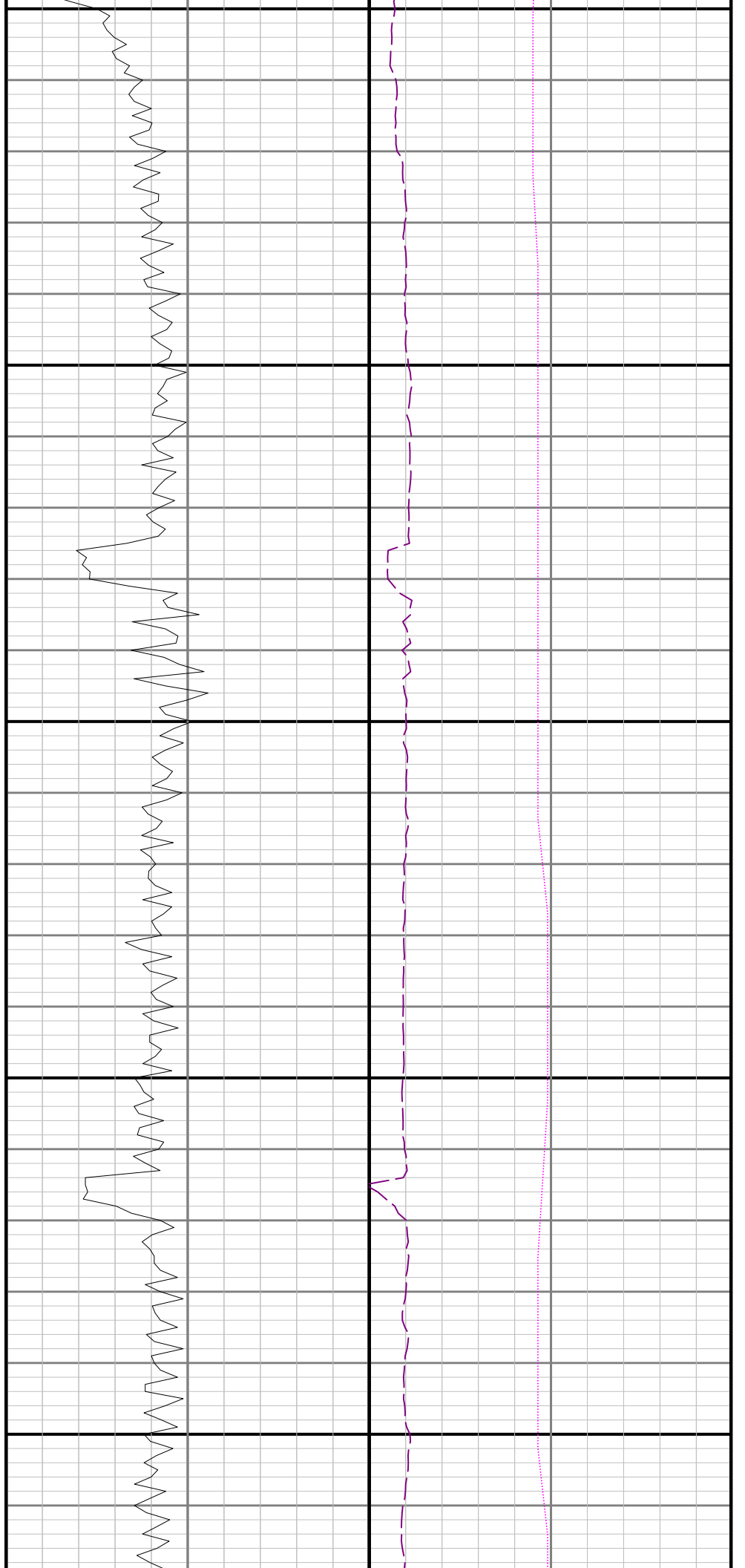


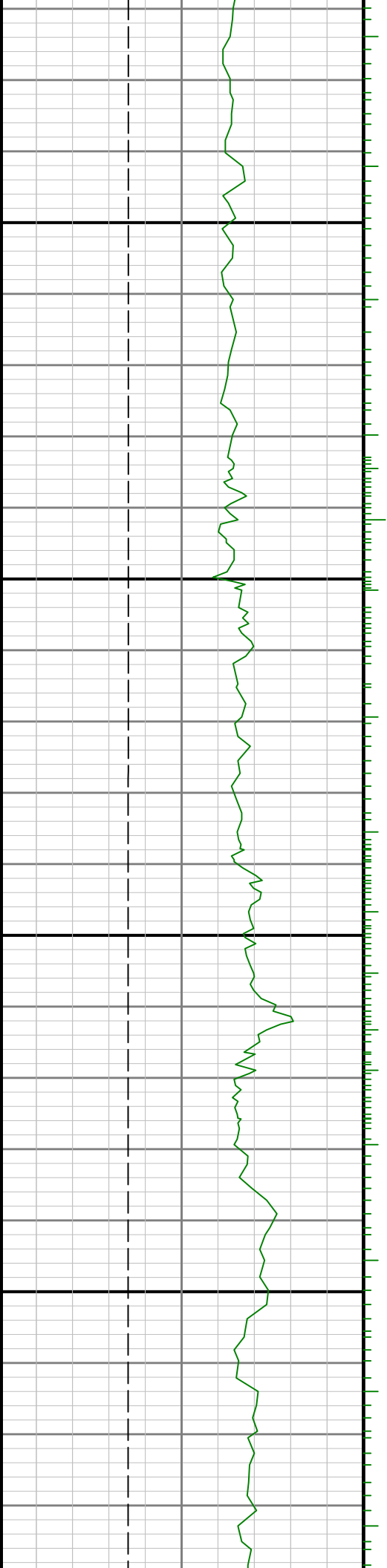




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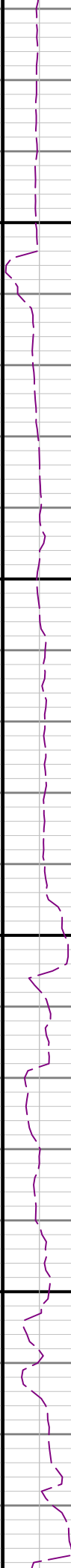
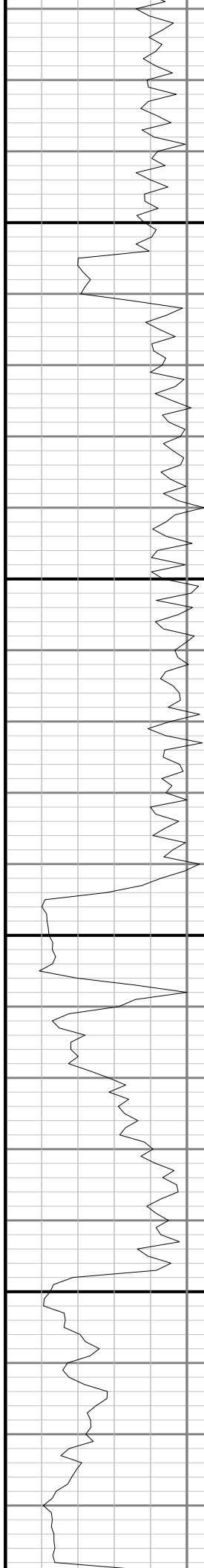
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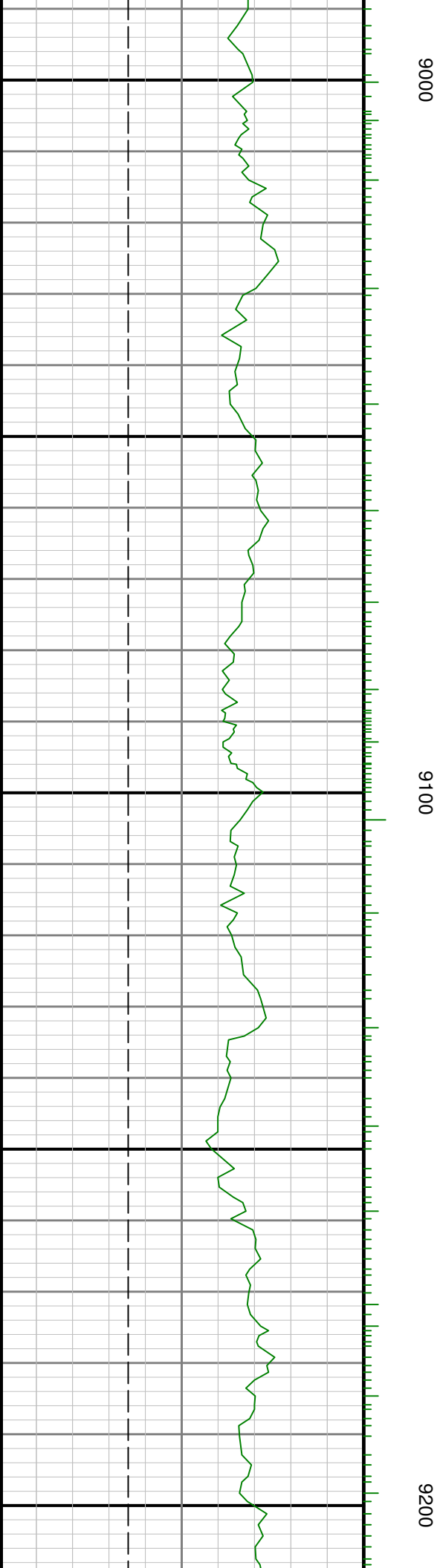
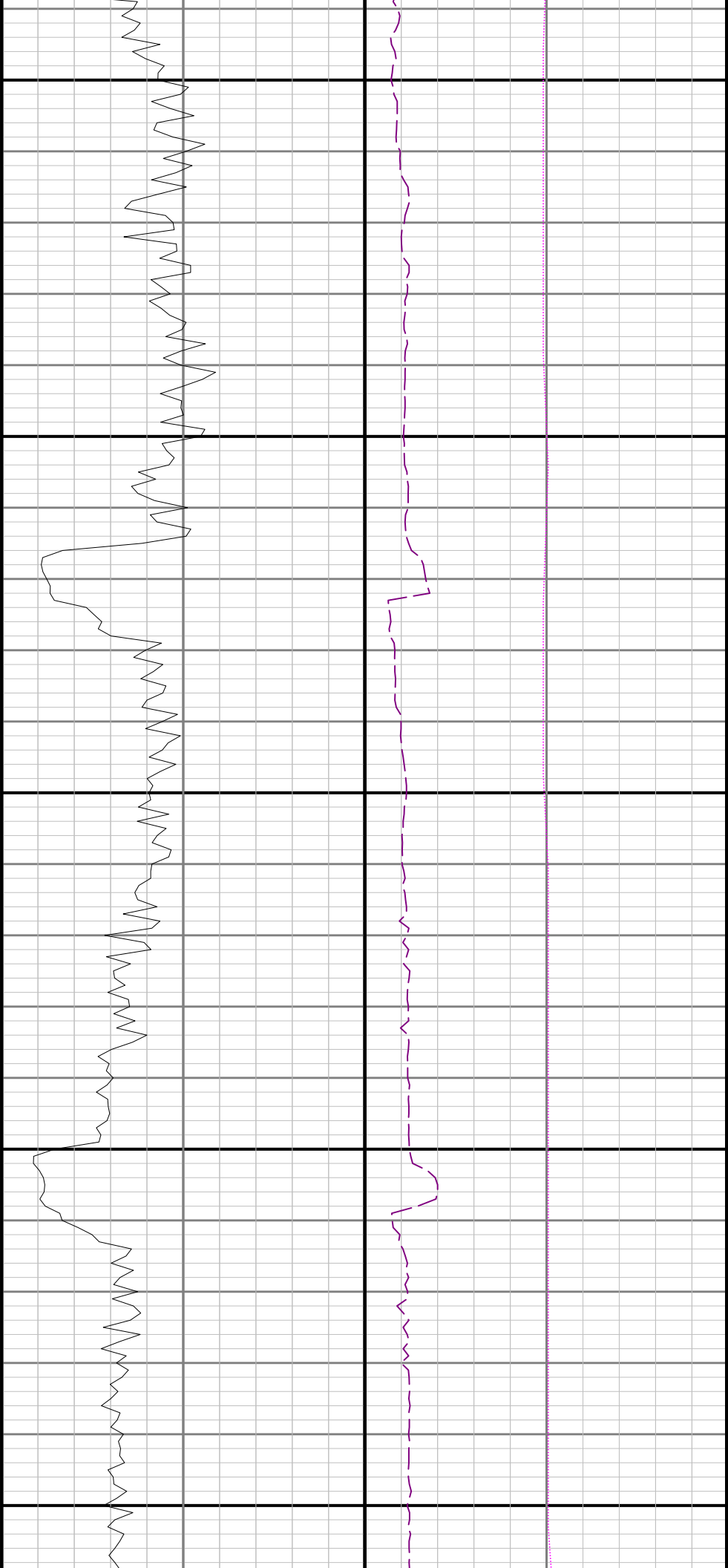


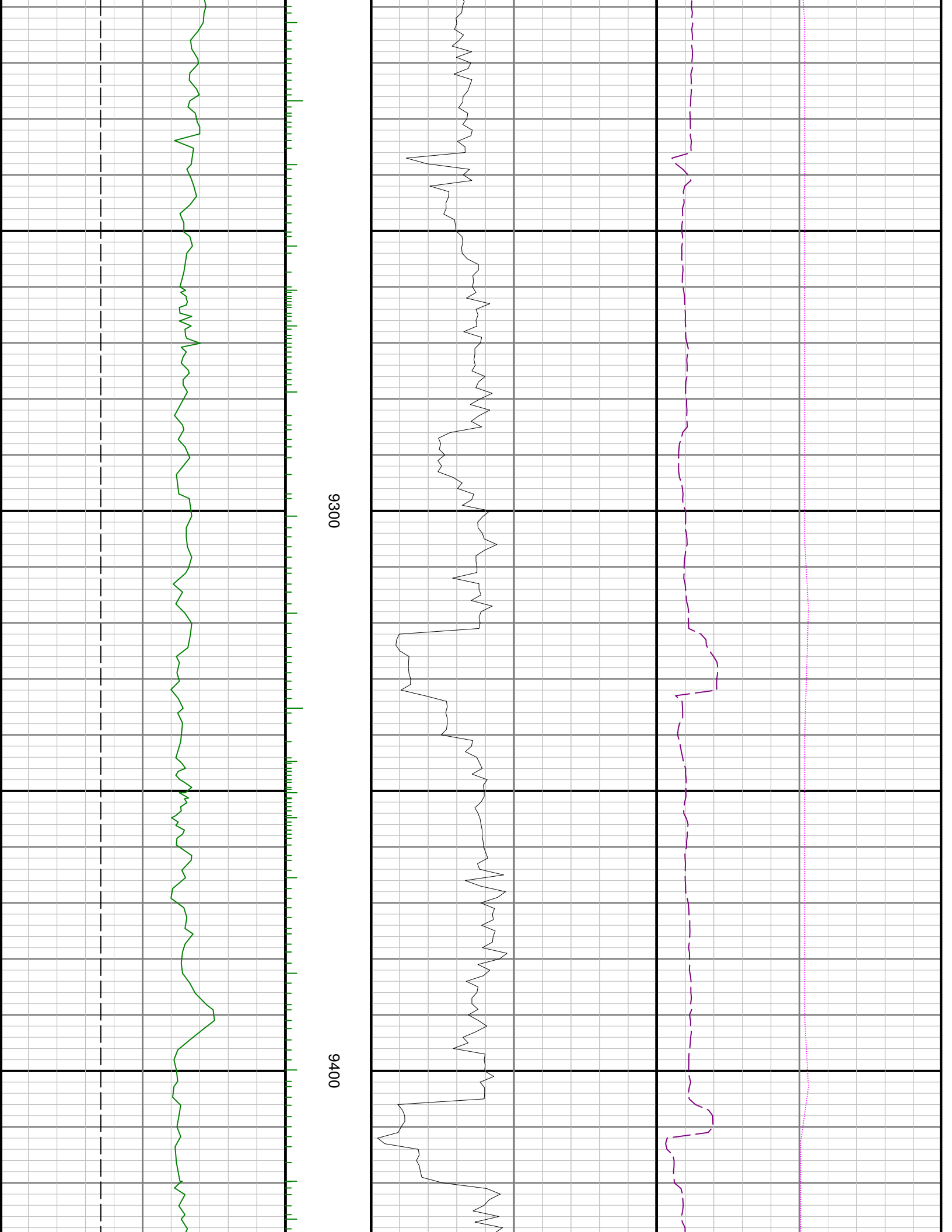


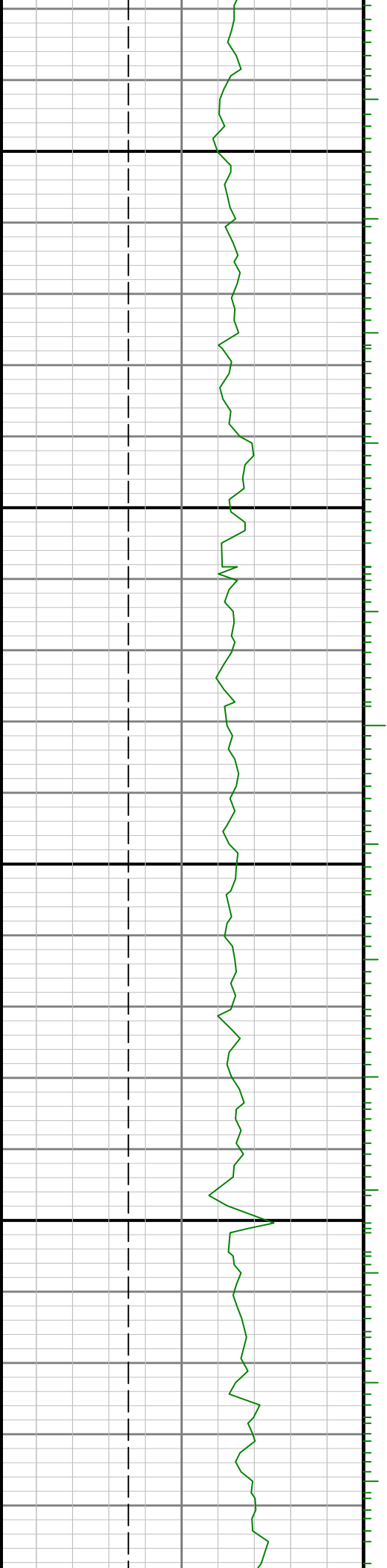
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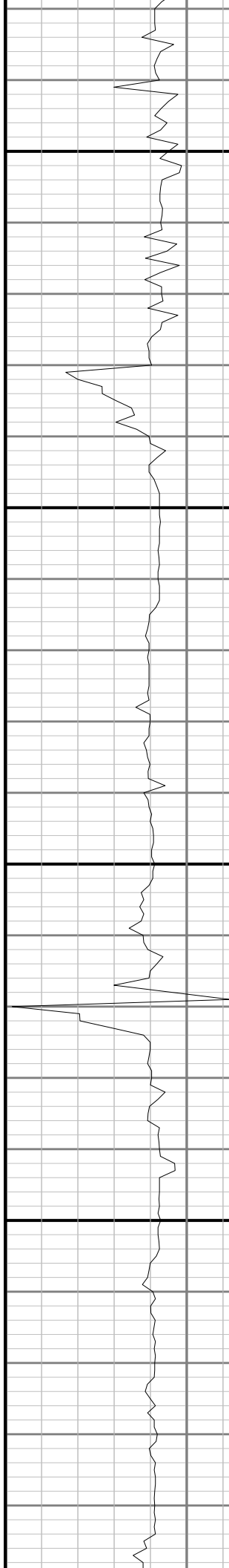


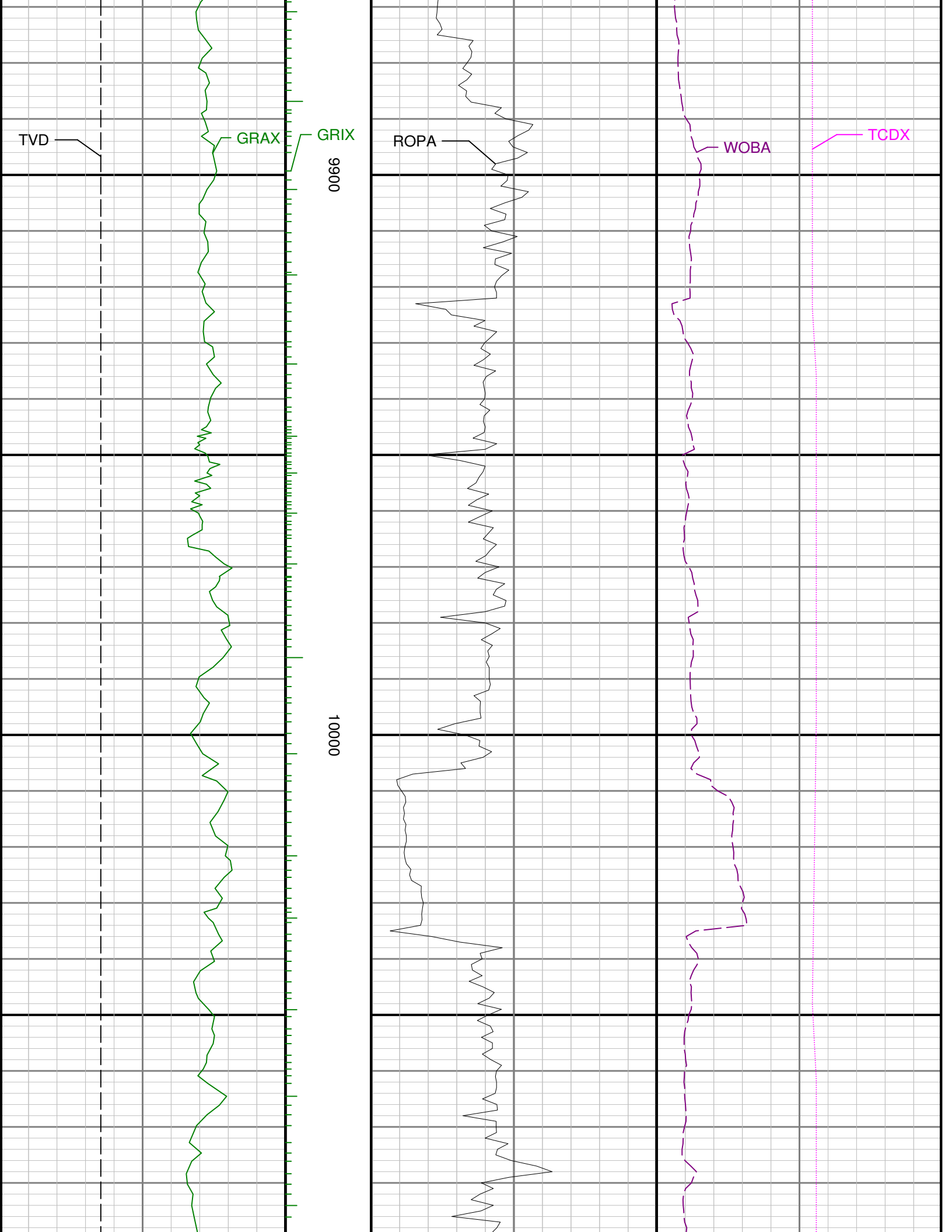


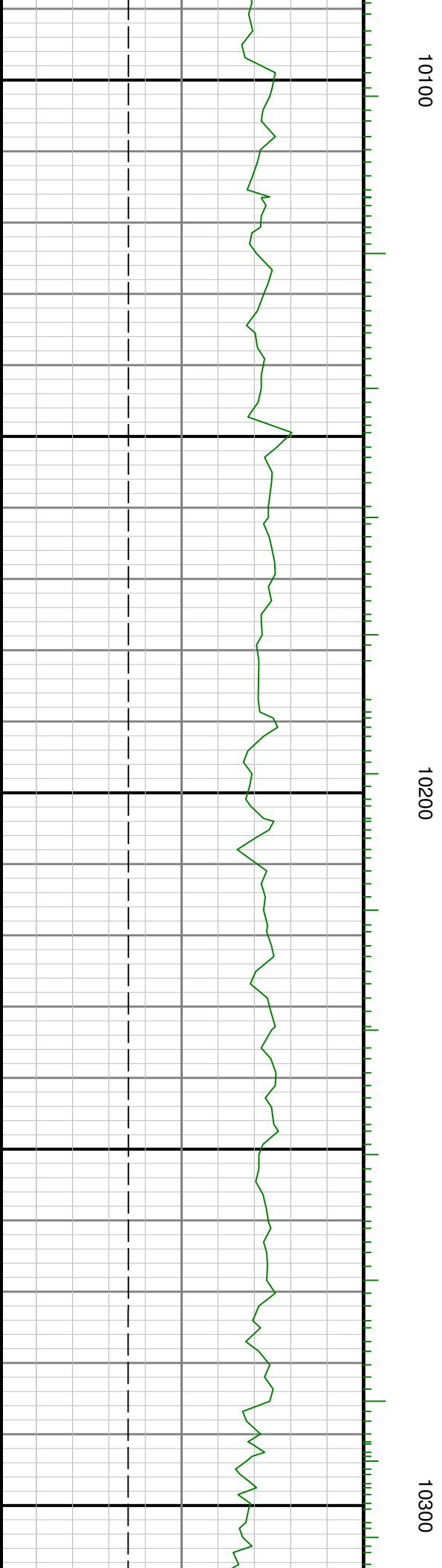
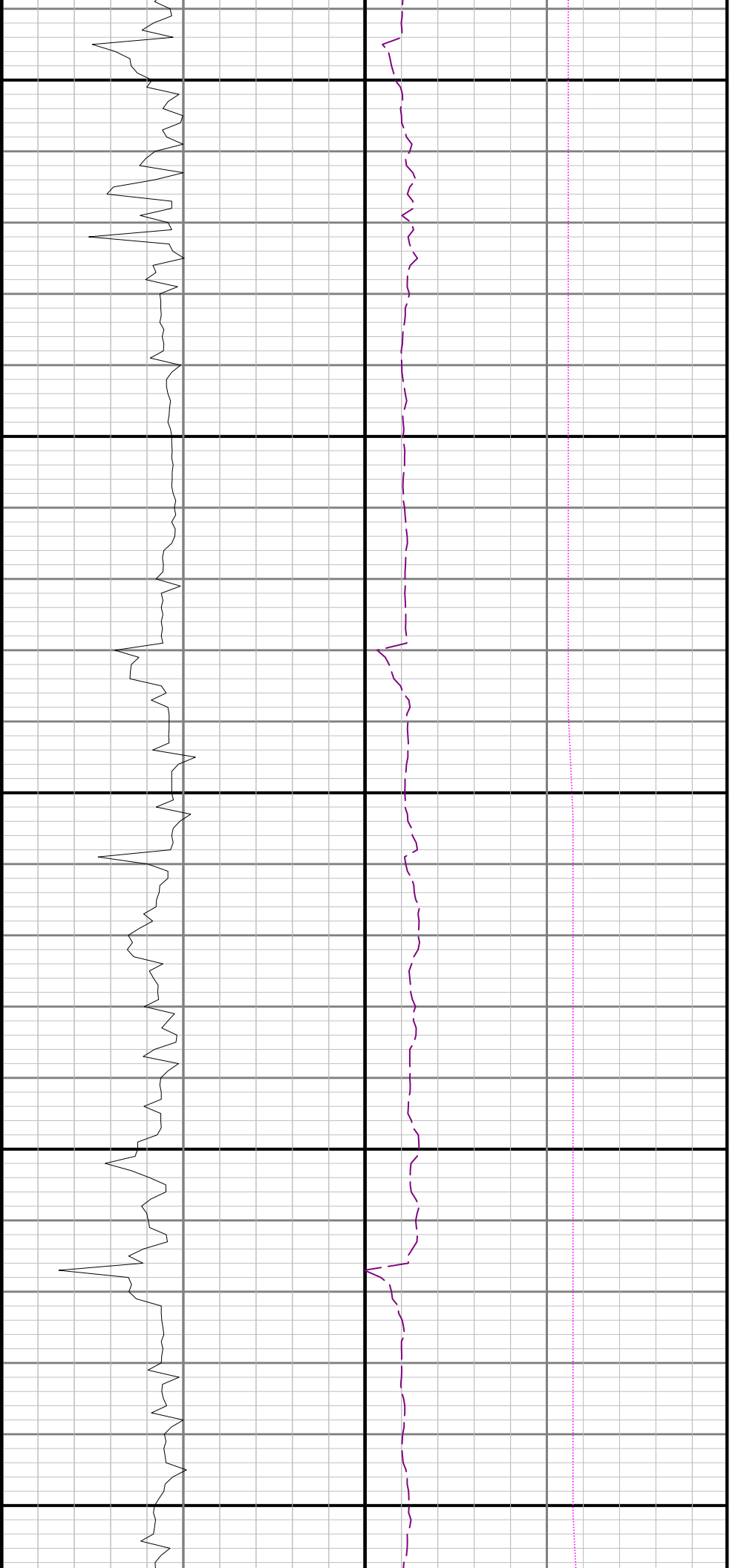


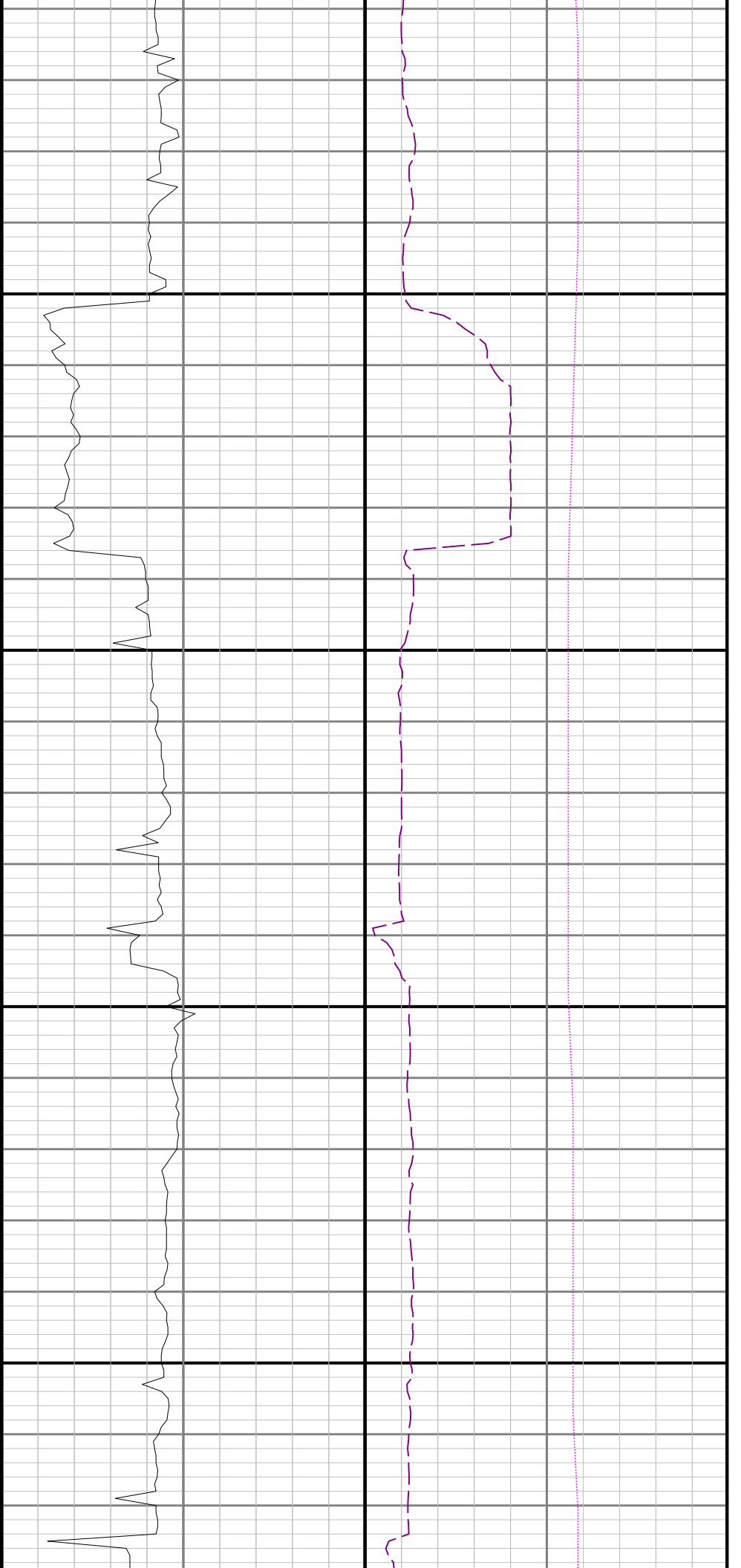
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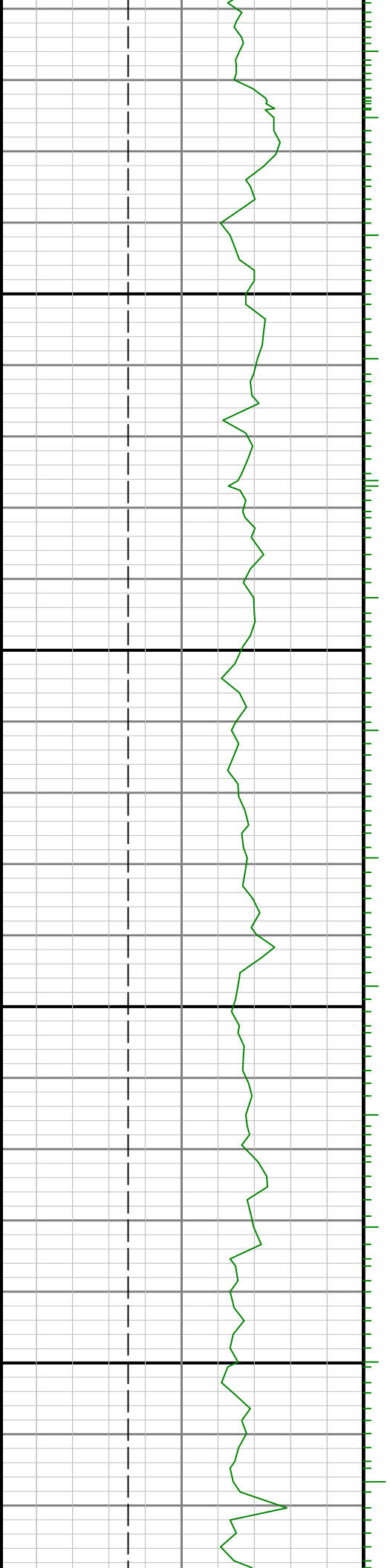


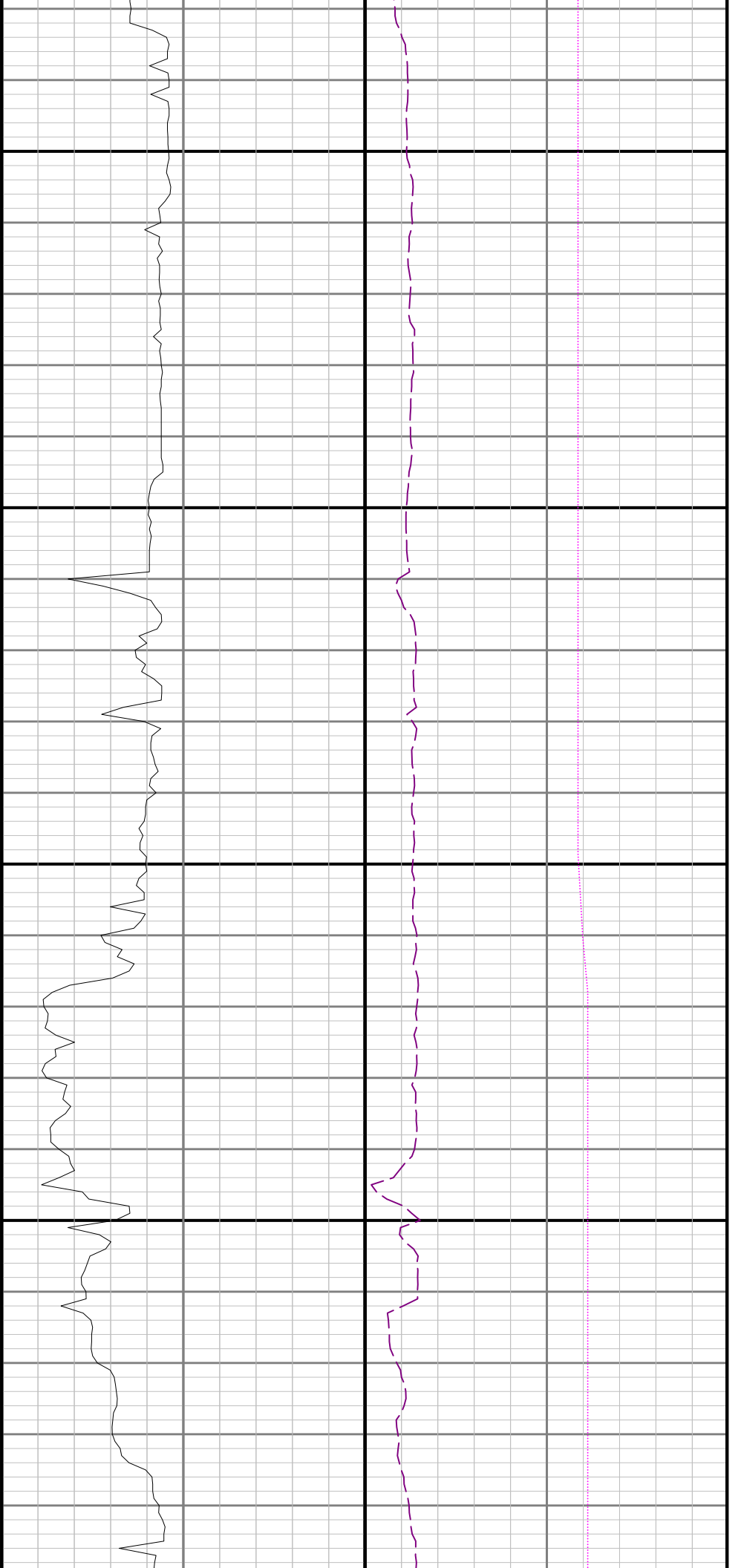




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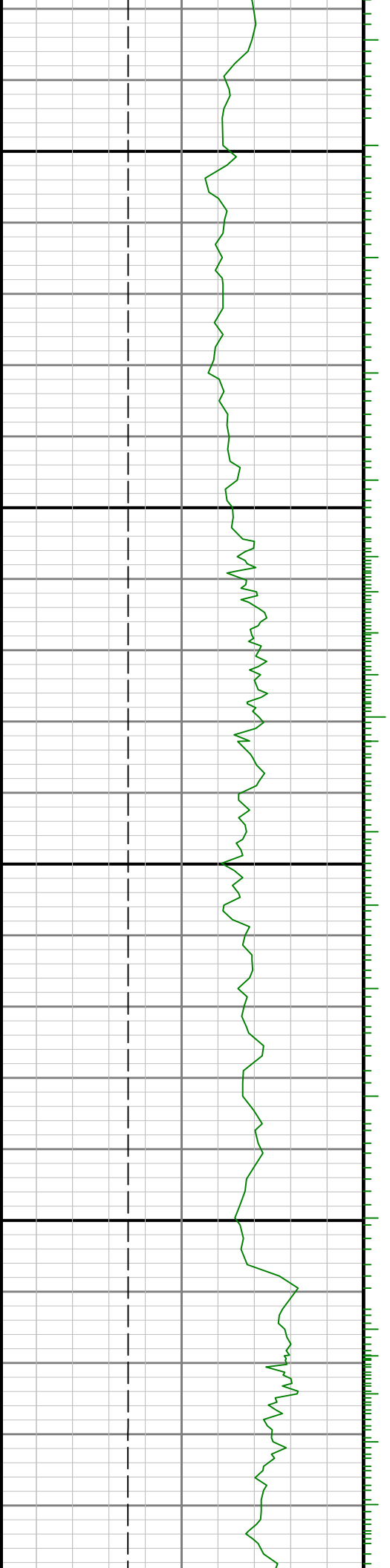
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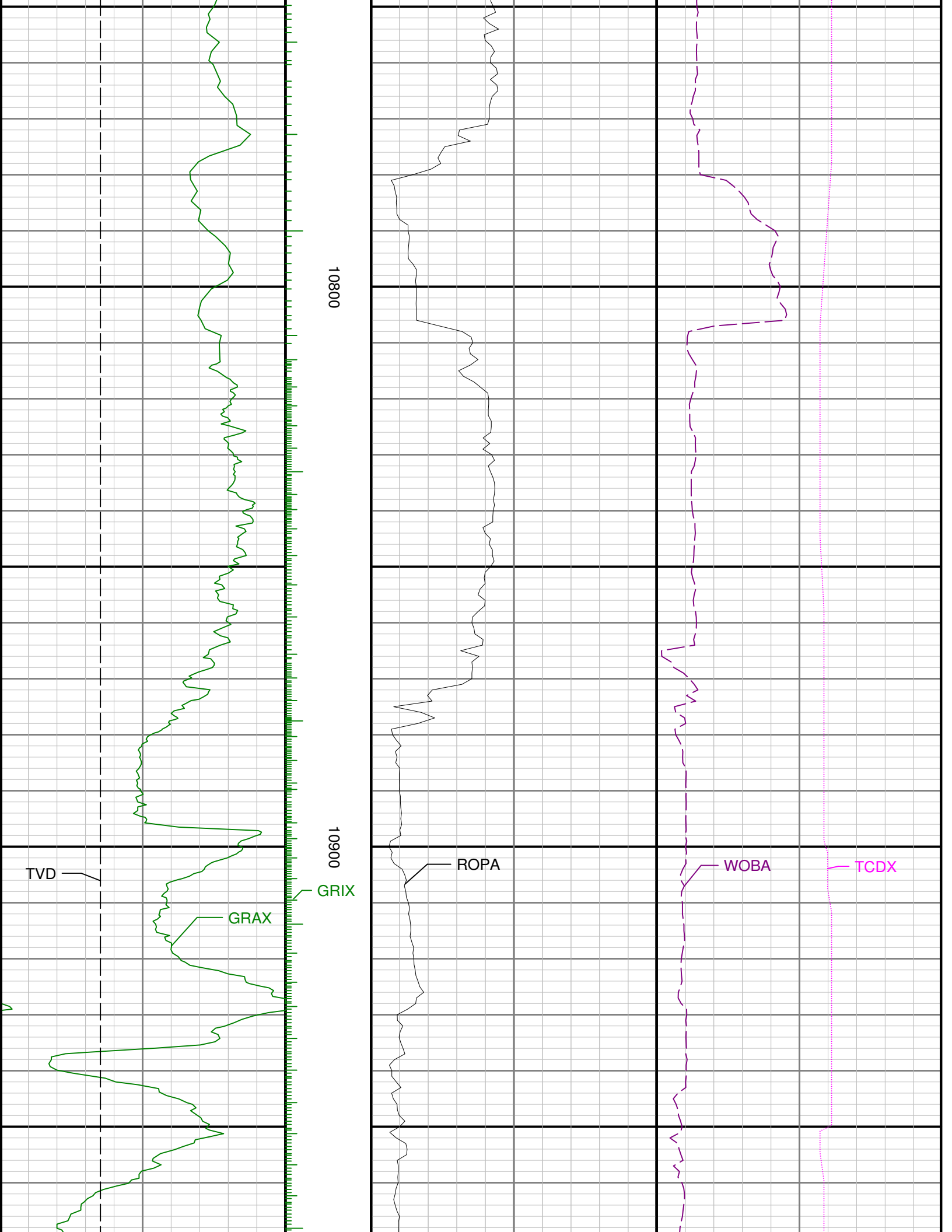


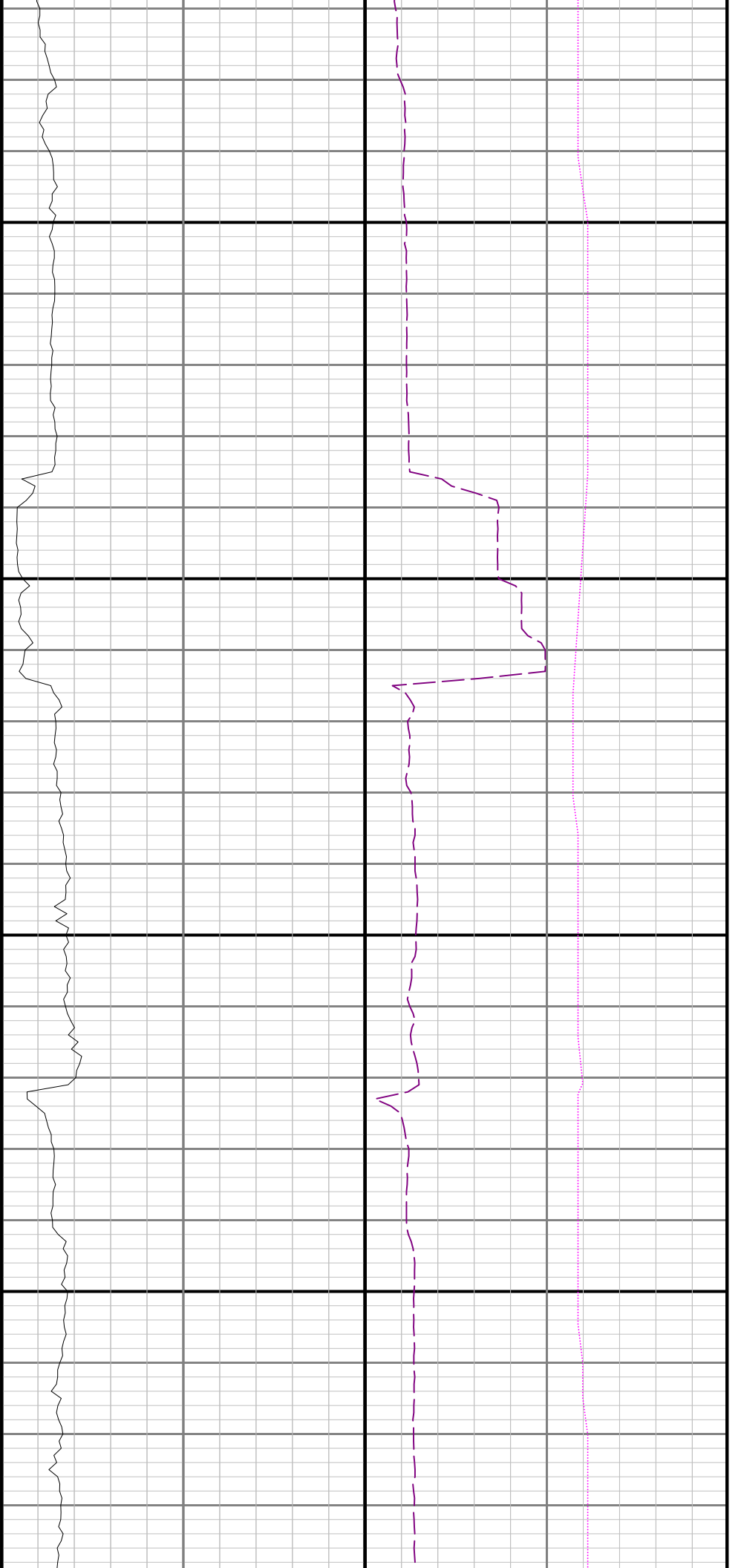


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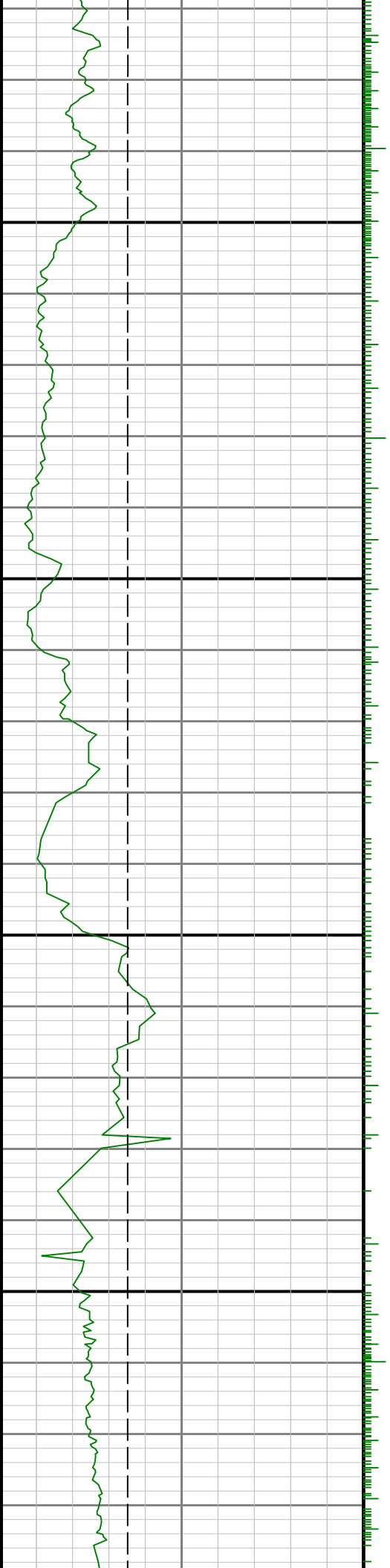


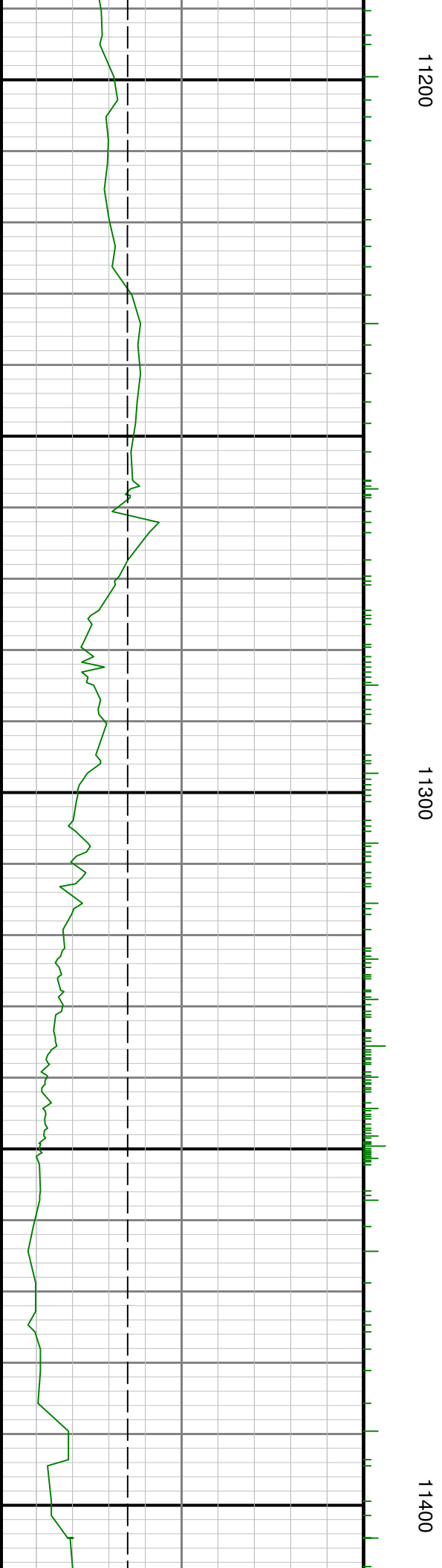
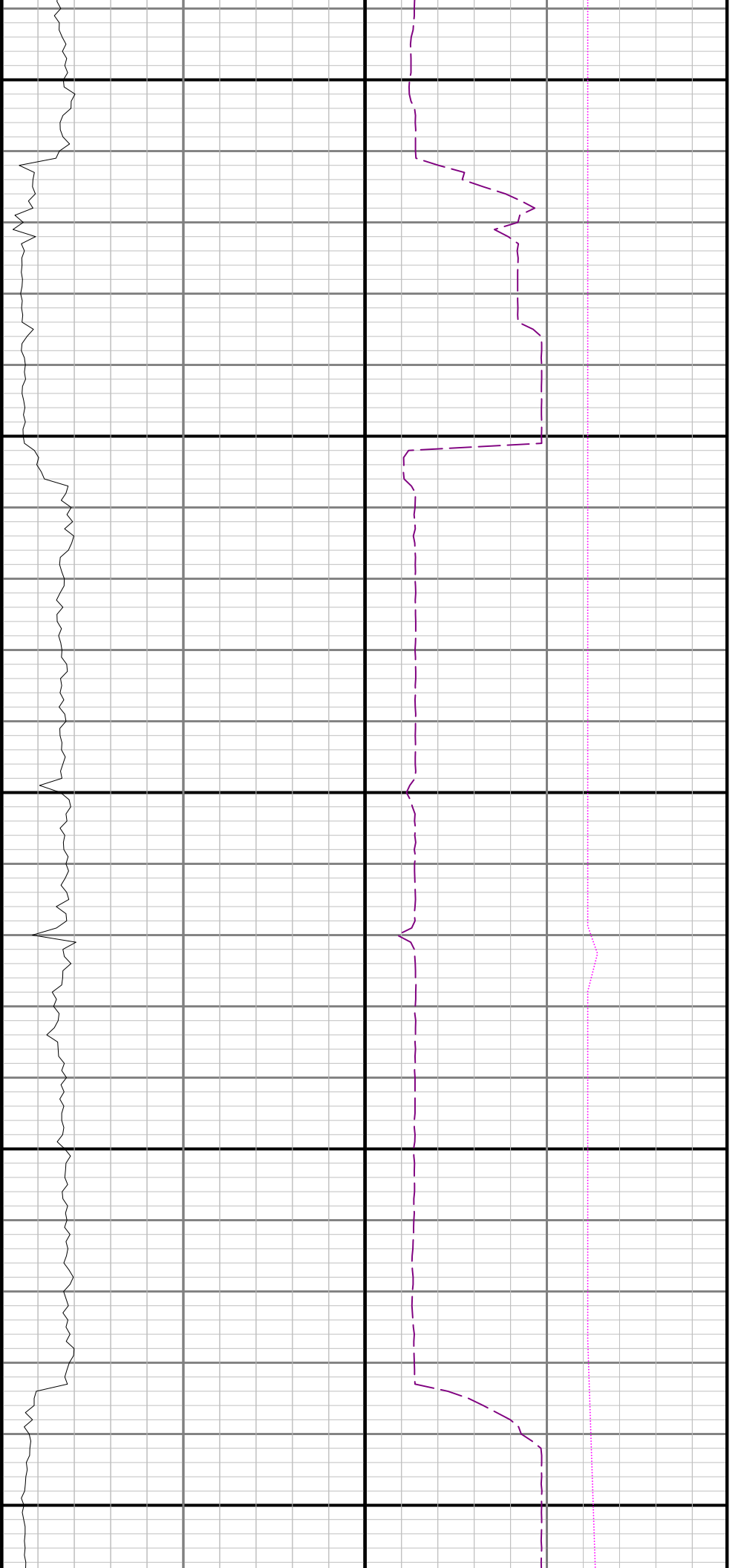


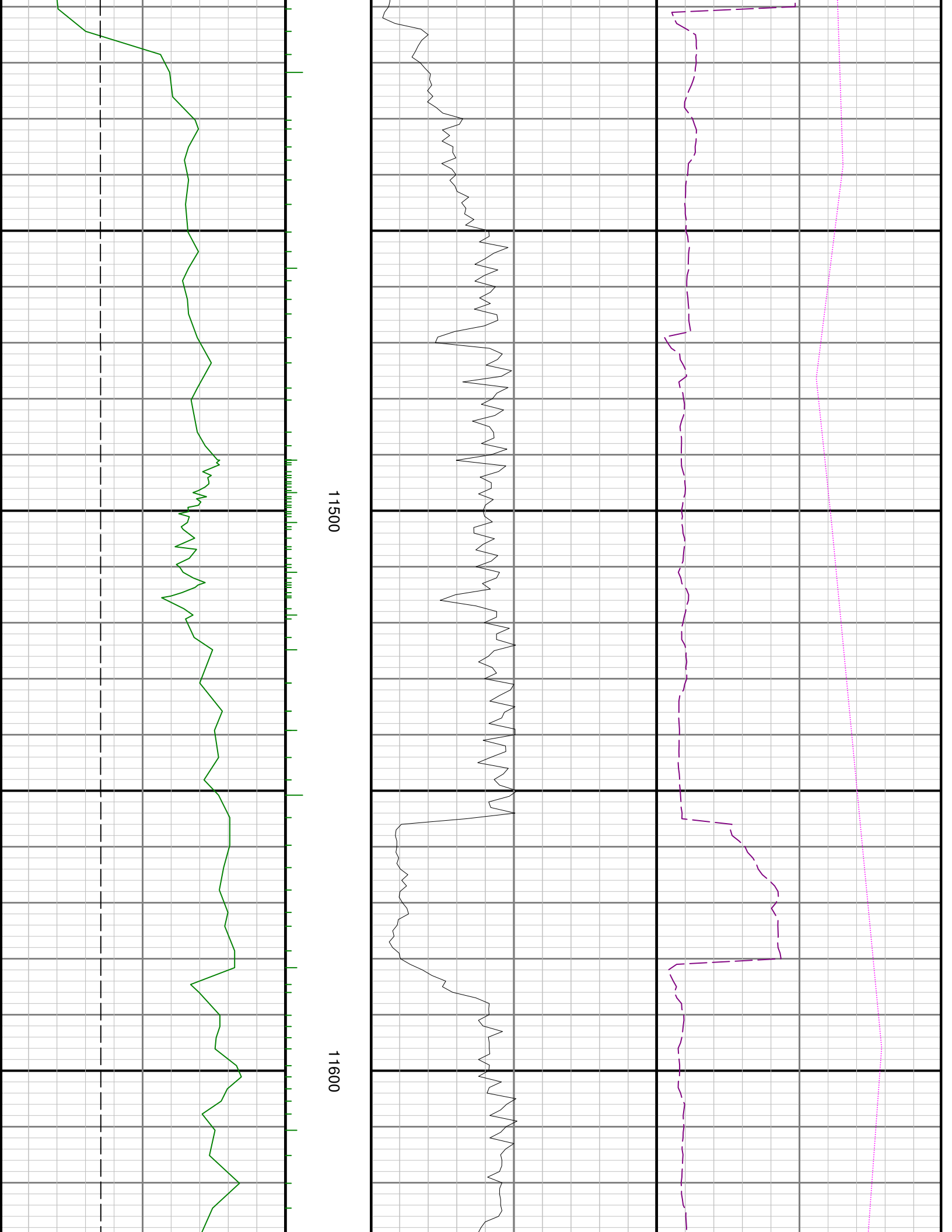


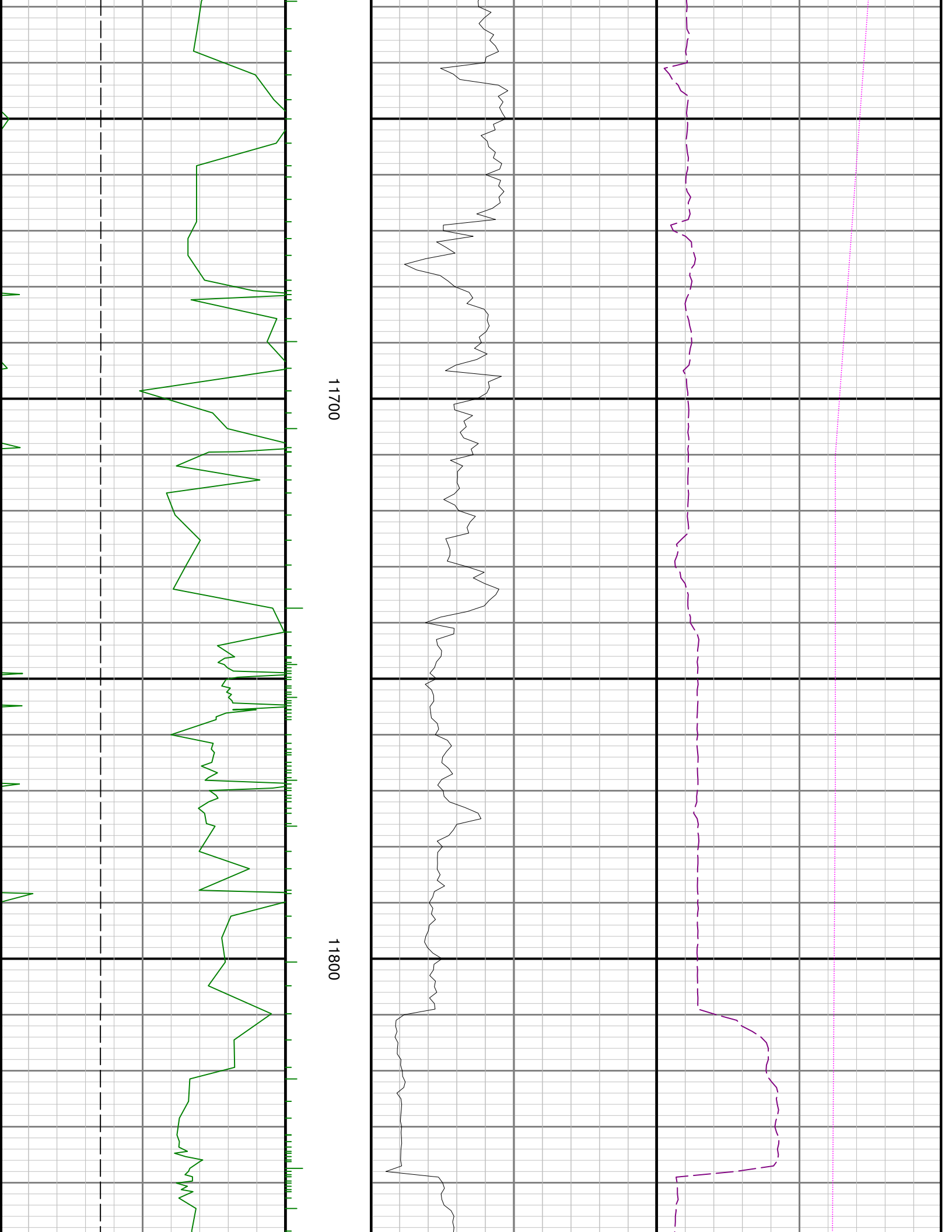
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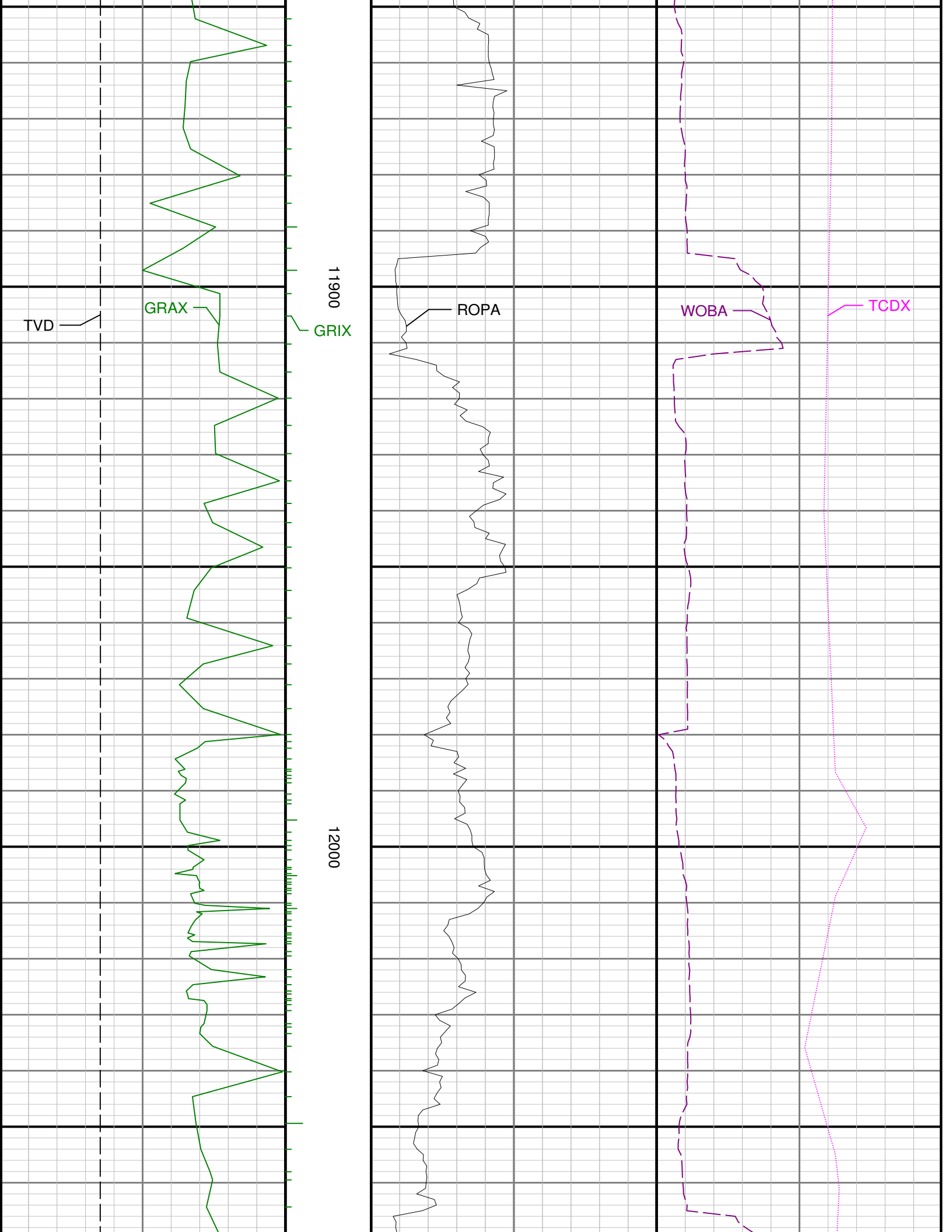
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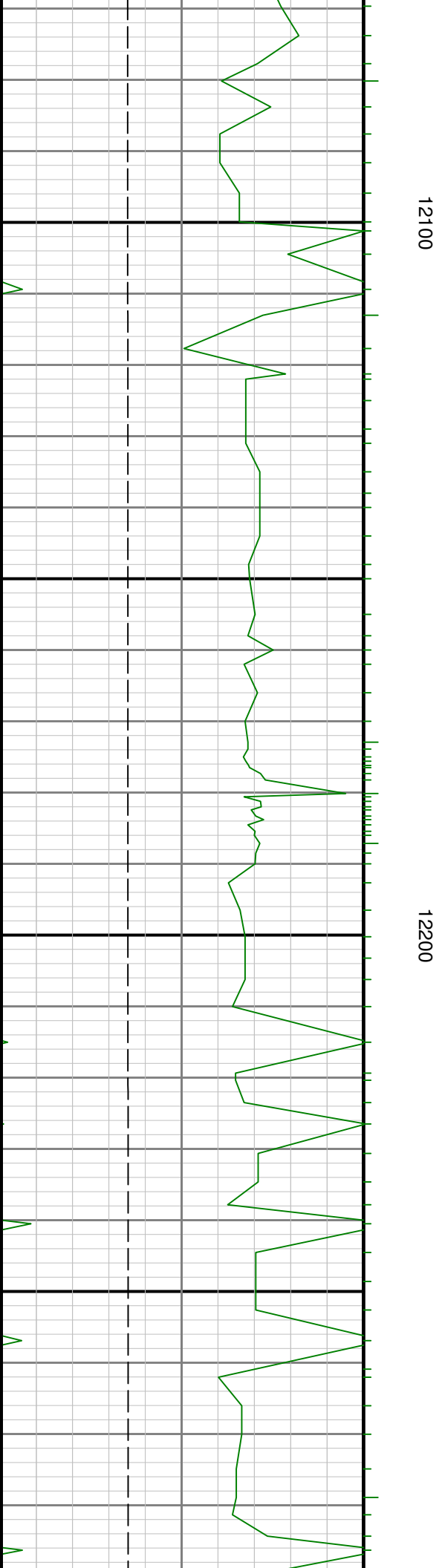
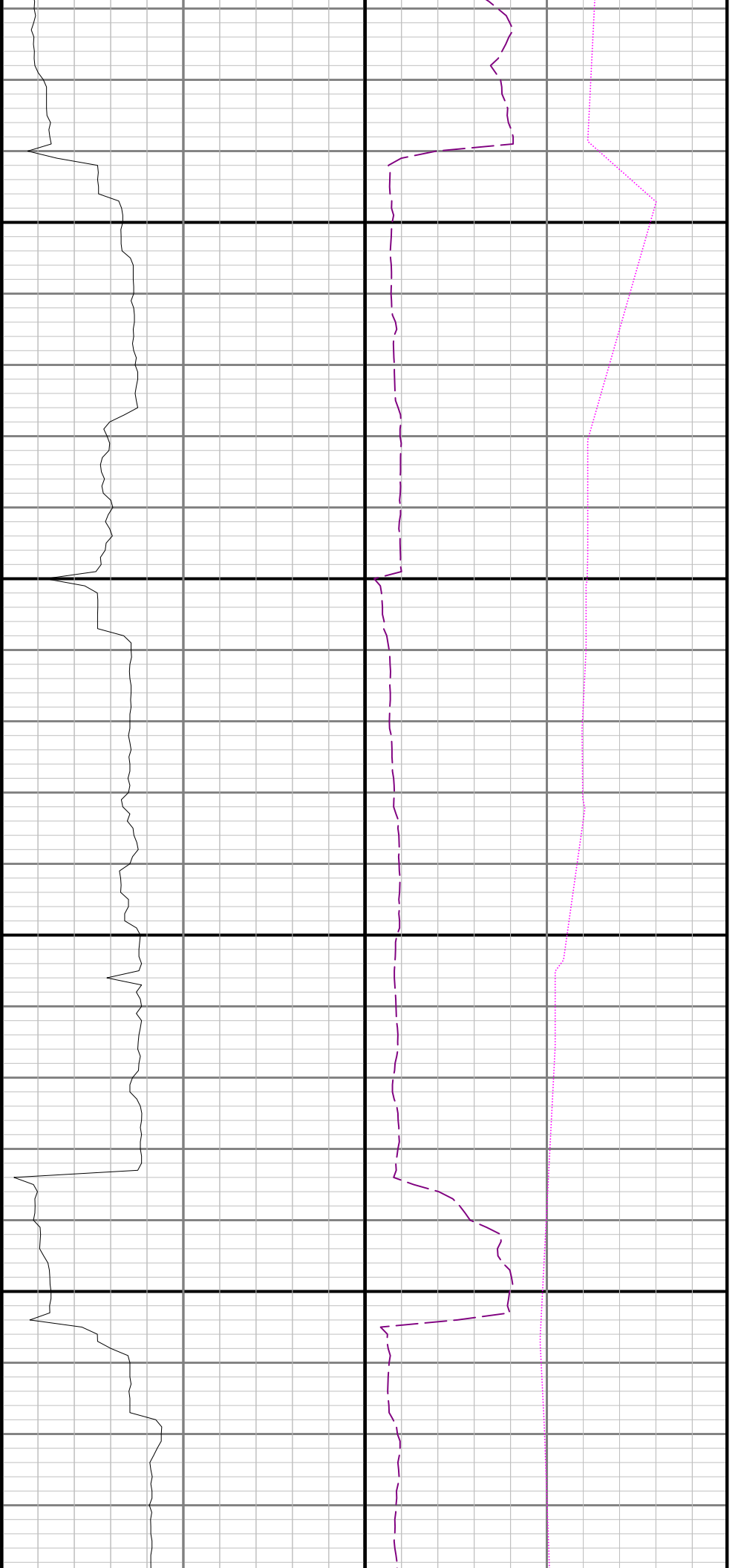


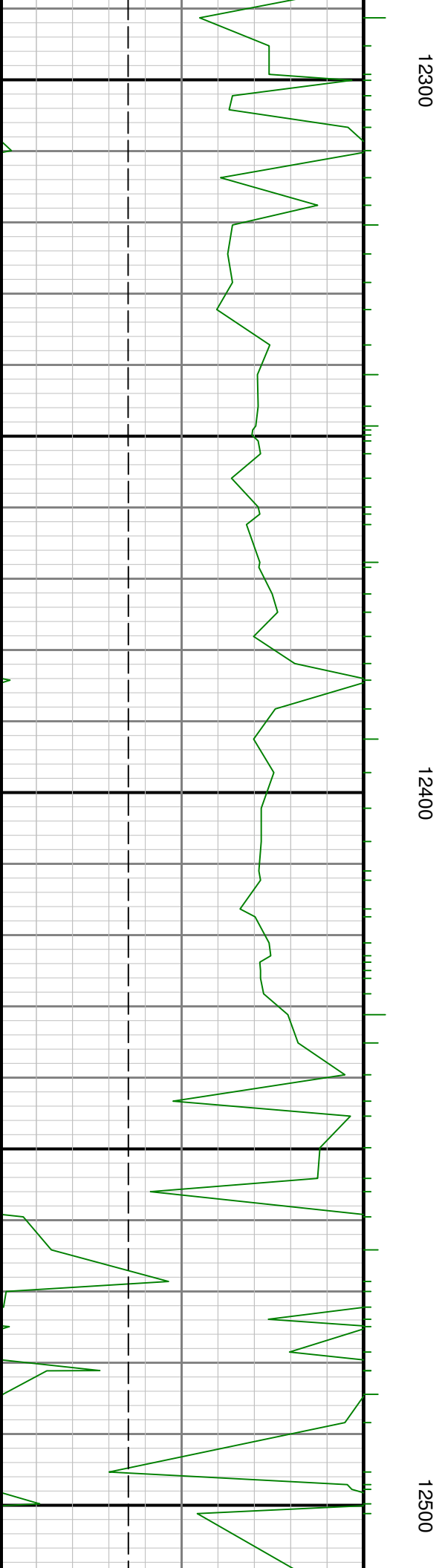
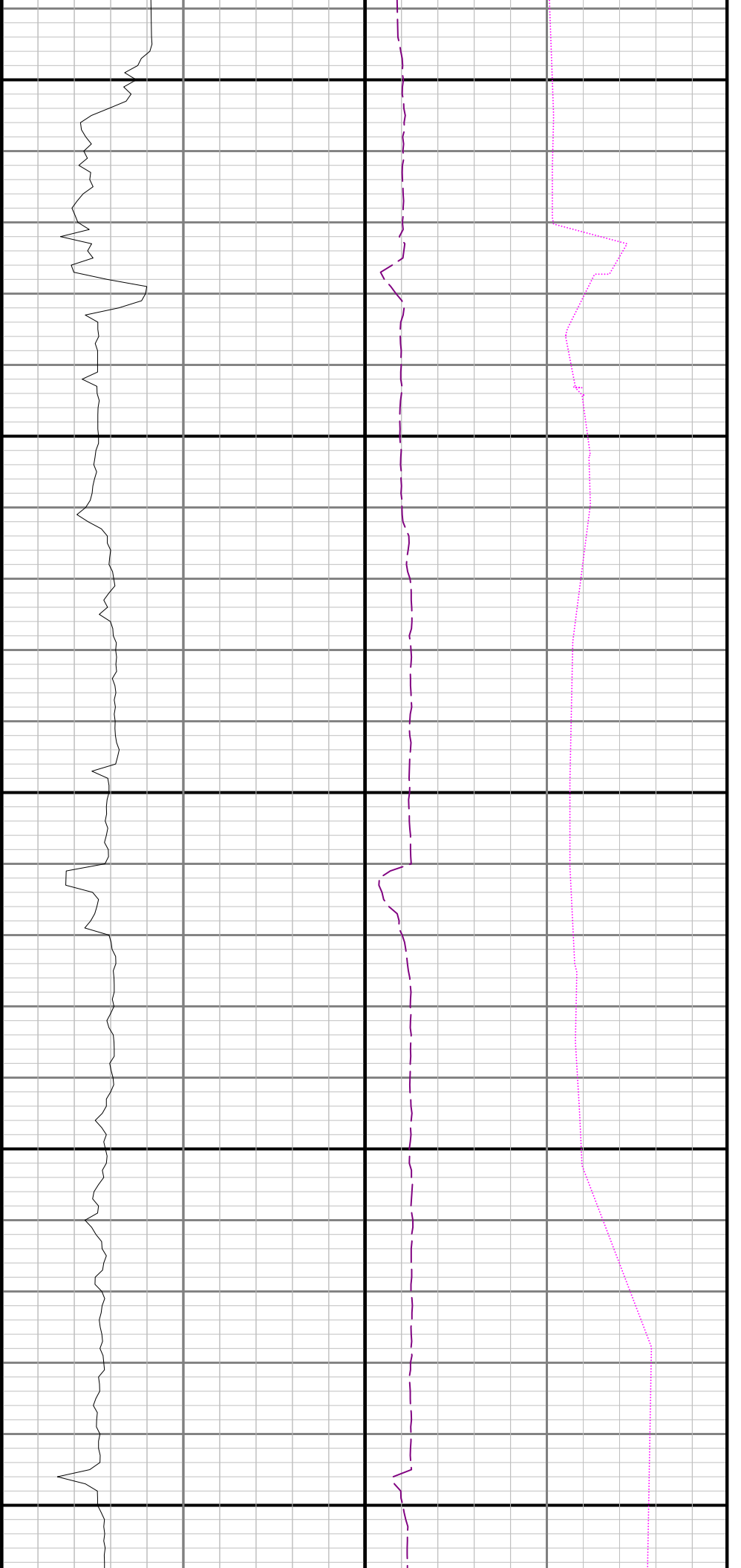


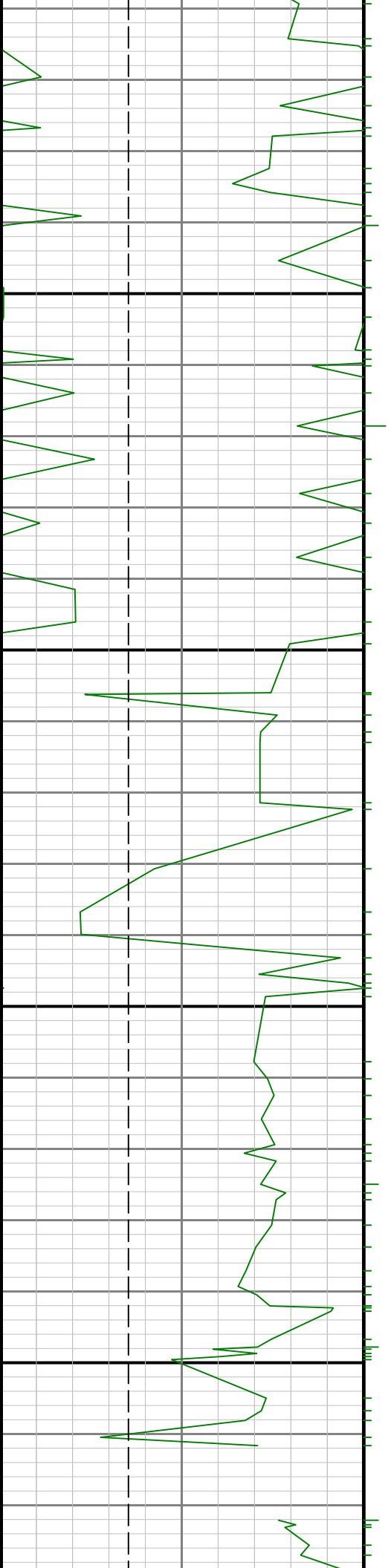












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