



Natural Formation Evaluation  
Gamma Ray

Scale:

1:240 MD

Company: Anadarko

Well: English Farms 16N-8HZ

Depth Reference:

Field: Weld County

Driller's Depth

County: Weld

State: Colorado

Status:

Final Print

Surface Location:

Latitude:

Longitude:

Other Services:

API No: 05123415020000

Longtitude:

Directional & VSS

Job ID: 7307316

SEC: 8

TWN: 1N

RGE: 65W

Permanent Datum (P.D.): Ground Level

Elevation:

4948.00 ft

KB:

N/A

Log Measured From: Rig Floor

Above P.D.

16.00 ft

DF:

4964.00 ft

GL:

4948.00 ft

Dates

Interval Logged

Magnetic Field Reference

Date From: 2015-06-13

Top: (ft)

6600.00

Azi Reference North:

True

Dip Angle: (deg)

66.57

Date To: 2015-06-14

Bottom: (ft)

13181.00

Total Magnetic Field Strength: (nT)

52677

Spud Date: 2015-06-10

Mag to Reference North Correction: (deg)

8.10 E

Borehole Record

Casing Record

Hole Size (in)

From (ft)

To (ft)

Size (in)

Weight (lb/ft)

From (ft)

To (ft)

13.500

119.00

1885.59

9.630

36.00

50.00

1874.00

7.875

1885.00

13181.46

Mud Record

Deviation Record

Type

From (ft)

To (ft)

Hole Size (in)

Interval (ft)

Inc | Az (Start)

Inc | Az (End)

Water Based Mud

119.00

13181.46

13.500

1766.59

0.39 |

217.74

25.09 |

36.60

7.875

11296.46

25.09 |

36.60

Acquisition System

Software Version

Other

Baker Hughes Cadence

1.0.6955.1

Rig:

Xtreme 24

Contractor:

Xtreme Drilling

District:

RMA

Unit:

D & E

Prior Studio

1.0.7056.2

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## Log Run Summary

Run No	Bit Run No.	Bit Size  (in)	Bit Type	Bit Gauge Length (in)	Assembly Type	Logged Interval		Bit Depth Interval		Date / Time		Circ. Hours  (h)
						Top	Bottom	From	To	Start Logging	End Logging	
						(ft)	(ft)	(ft)	(ft)			
1	1	13.500	PDC	4.00	Steerable	71.39	1837.98	119.00	1885.59	2015-06-10 13:29	2015-06-10 23:39	8.36
2	2	7.875	PDC	3.00	Steerable	1843.51	13139.97	1885.00	13181.46	2015-06-12 06:16	2015-06-14 16:27	48.68

## Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Adam Harris	2015-06-10	2015-06-15	Andrew Overbey	2015-06-10	2015-06-14	Jason Cross	2015-06-10	2015-06-15
Osagie Otoikhine	2015-06-10	2015-06-15	Stefani Moore	2015-06-14	2015-06-15			

## 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+ (%)
2015-06-12 04:18	1	1885.59	Water Based Mud	9.2	61	N/A	4.2	72.0/28.0	Active Pits	65	0.00


## Equipment and Service Data

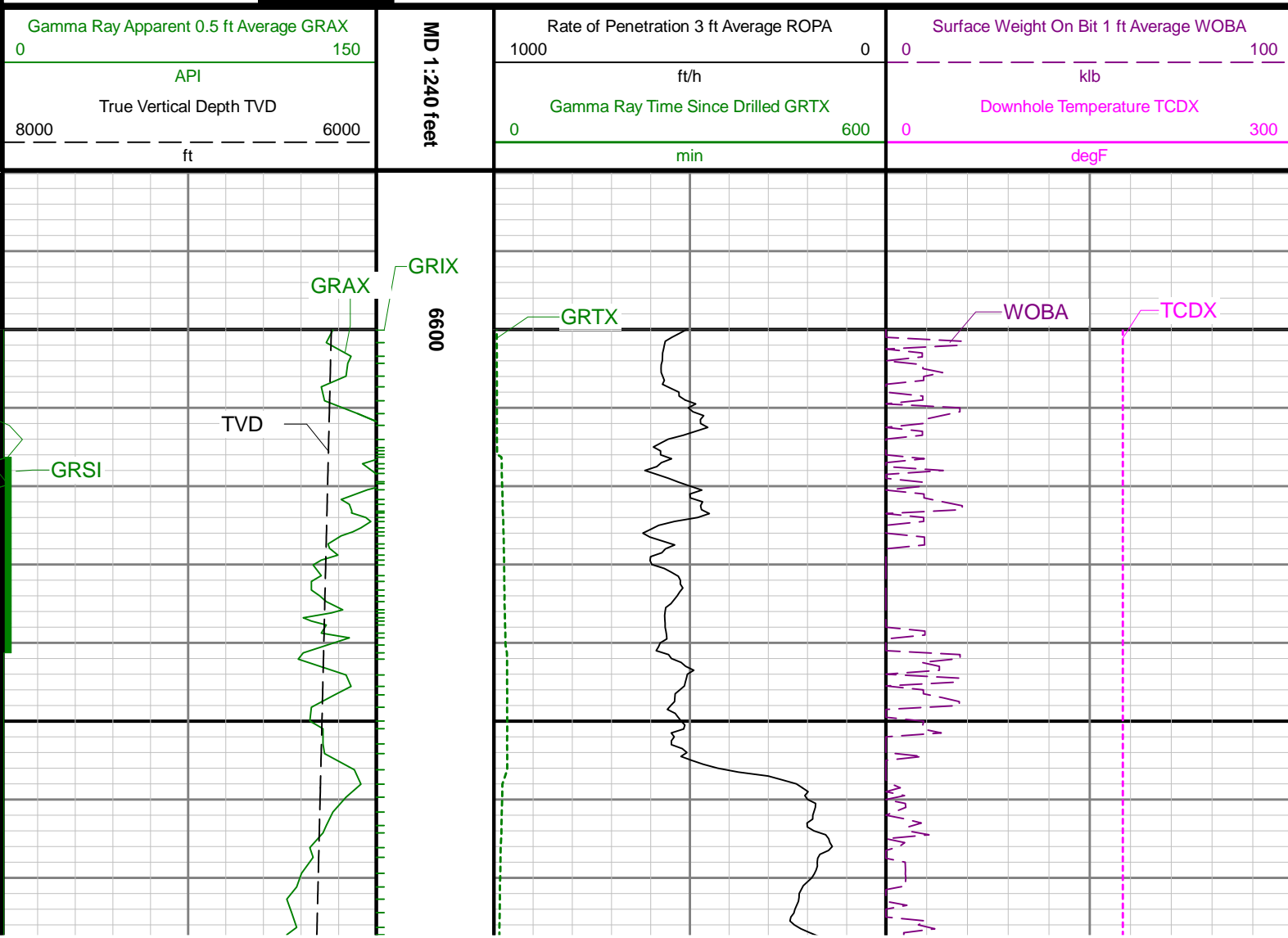
Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	NaviGamma	13022836	Gamma (single)	11.51	47.61	6.750	3.375
1	NaviGamma	13022836	Directional (mag)	14.89	50.99	6.750	3.375
1	NaviGamma	13022836	VSS	14.89	50.99	6.750	3.375
2	NaviGamma	12738922	Gamma (single)	10.54	41.49	6.500	2.875
2	NaviGamma	12738922	VSS	13.88	44.83	6.500	2.875
2	NaviGamma	12738922	Directional (mag)	13.88	44.83	6.500	2.875

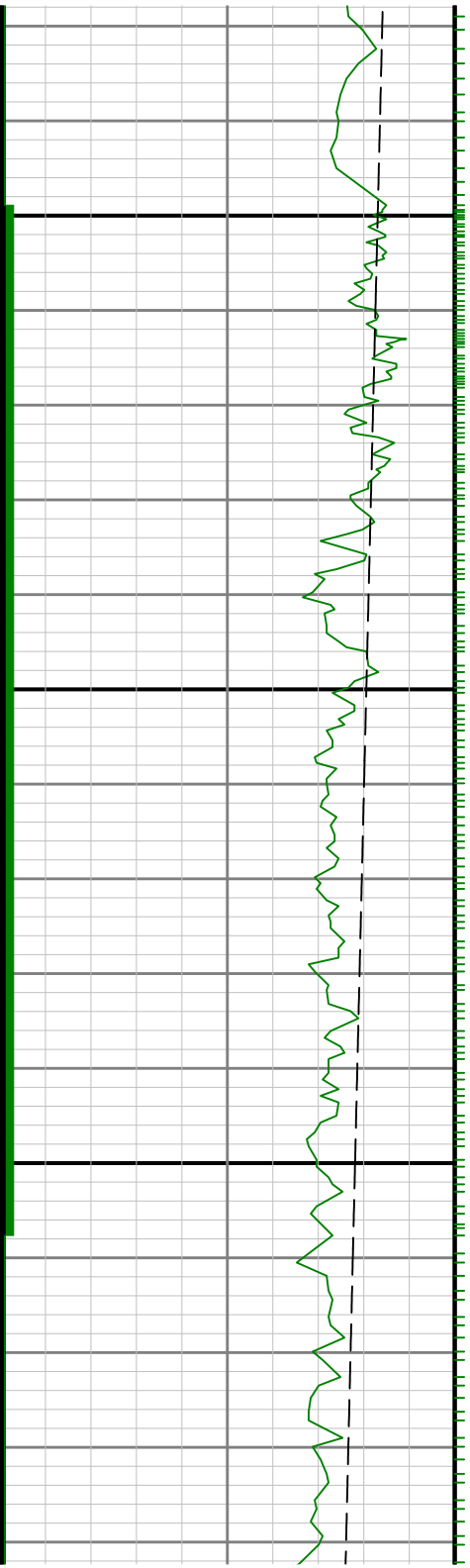
## Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
GRAX	Gamma Ray - Apparent 0.5 ft Average	API
GRIX	Gamma Ray - Data Point Indicator	unitless

GRTX	Gamma Time Since Drilled	min
GRSI	Sliding Indicator Flag	unitless
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb

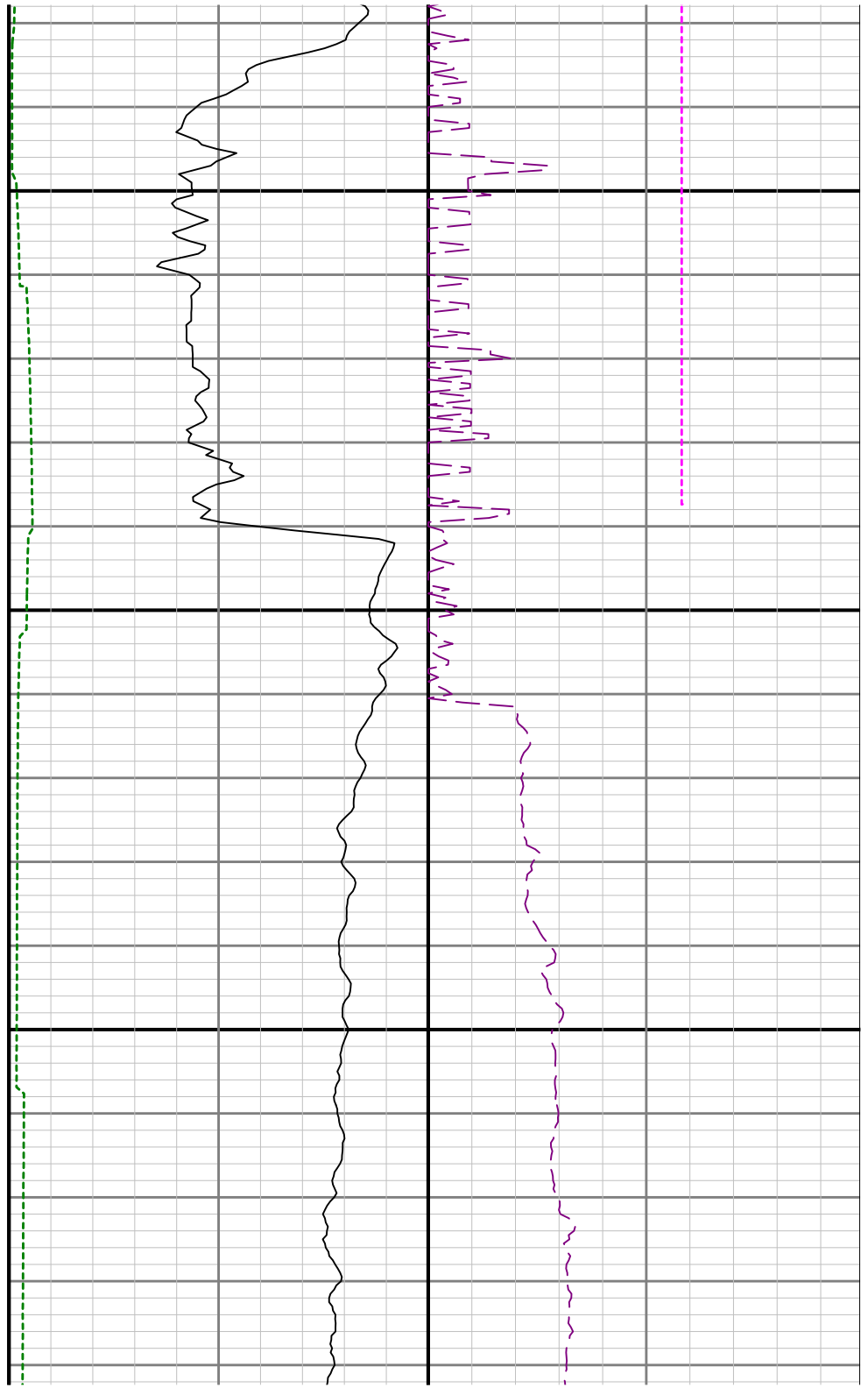
	Company	Anadarko			
	Well	English Farms 16N-8HZ			
	Interval	Date From:	2015-06-13 01:02	Top:	6600.00
		Date To:	2015-06-14 16:27	Bottom:	13181.00
	Created	2015-06-15 07:16			

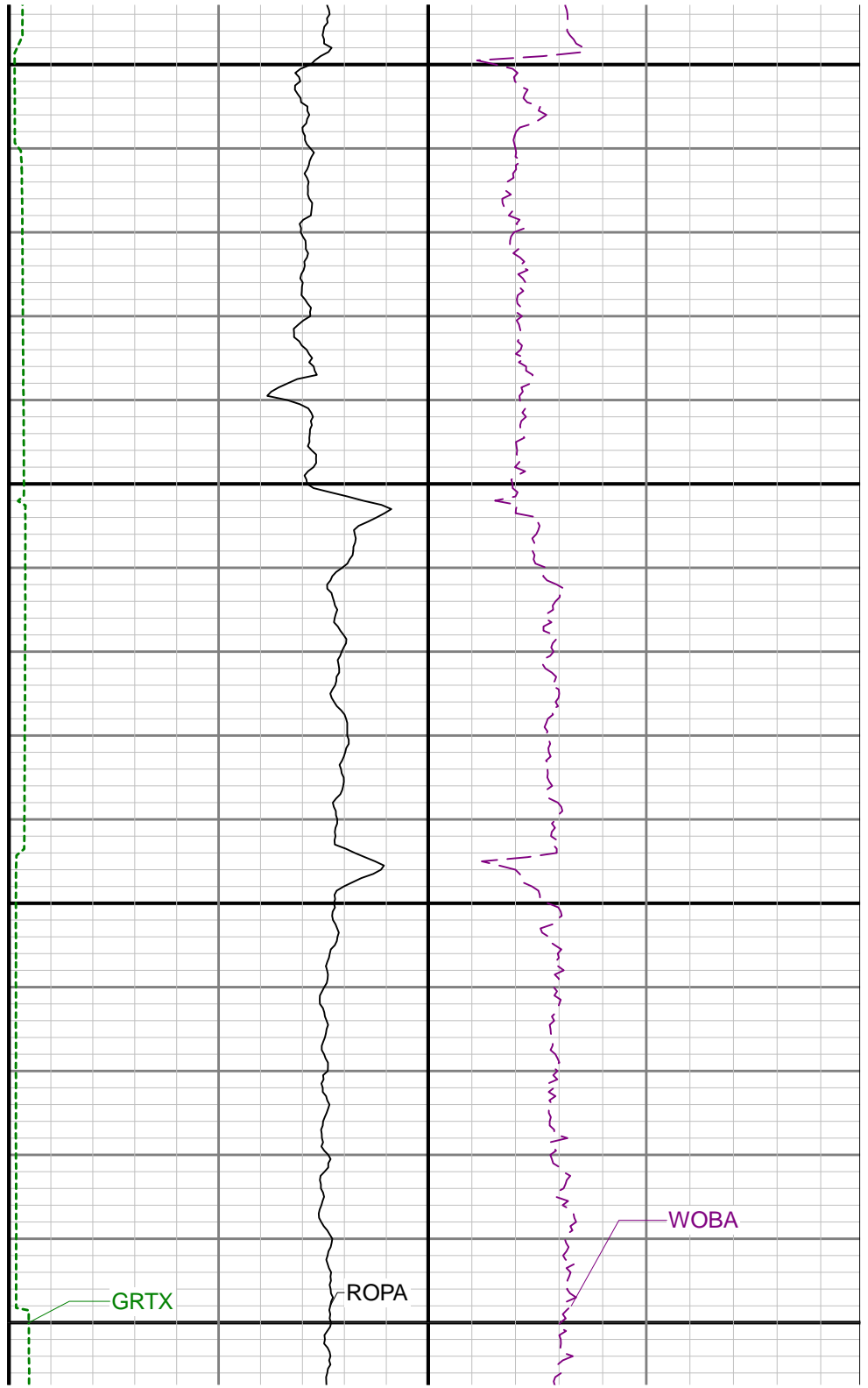
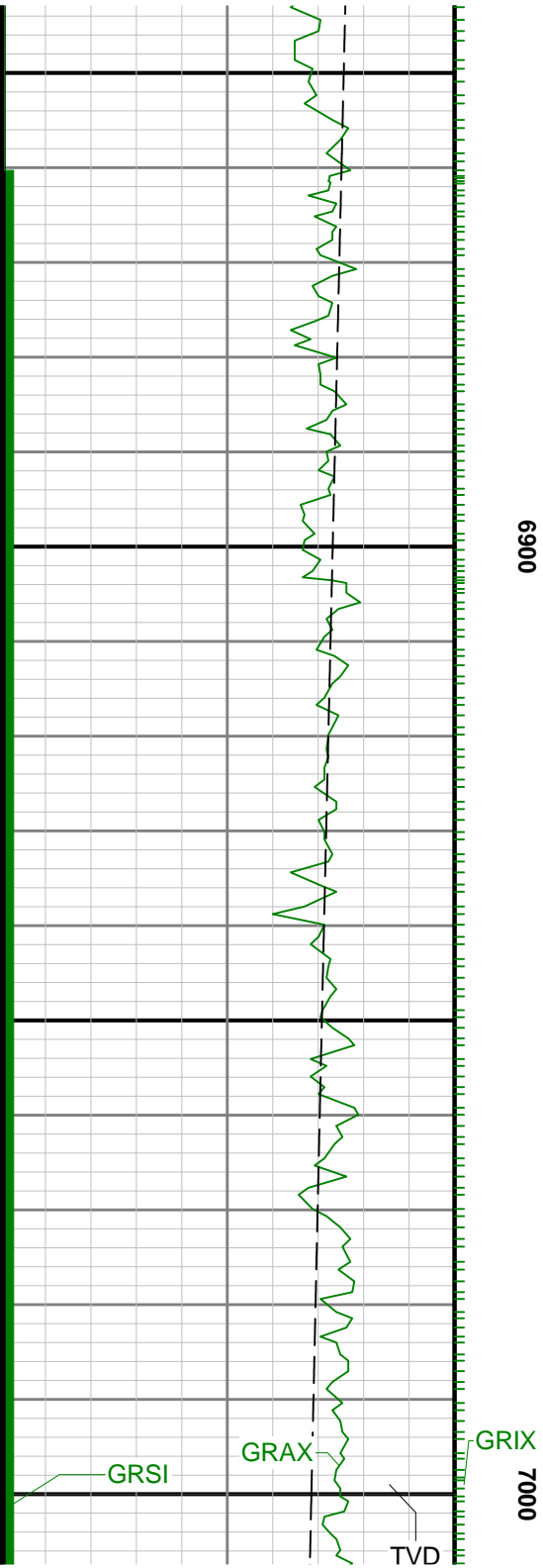


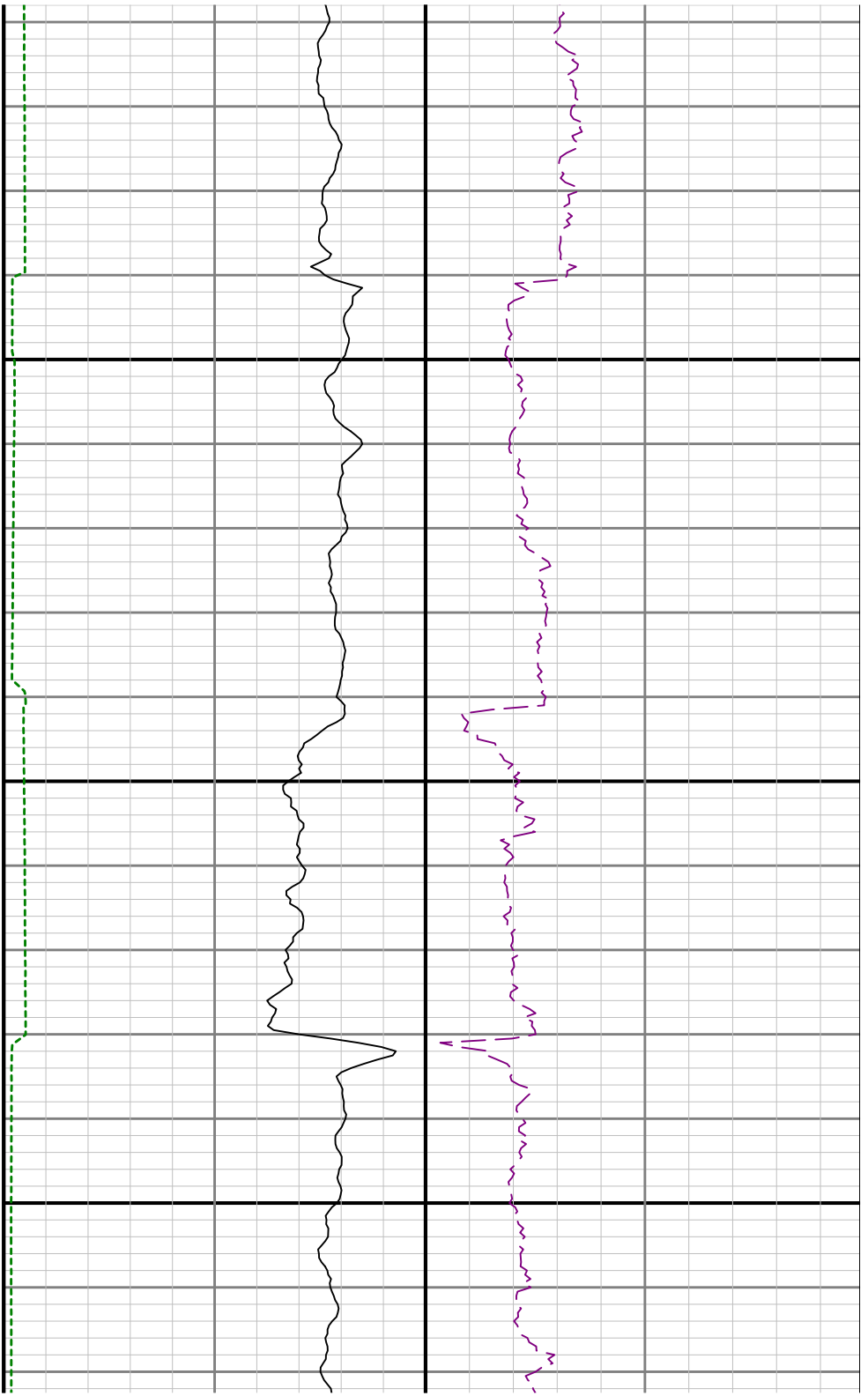


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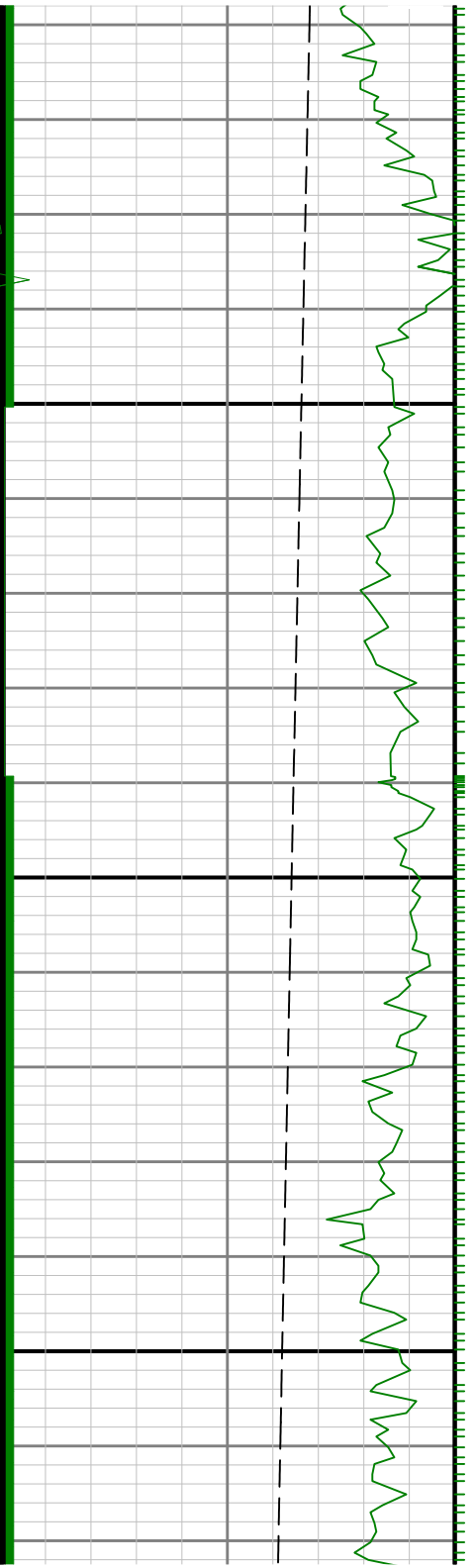
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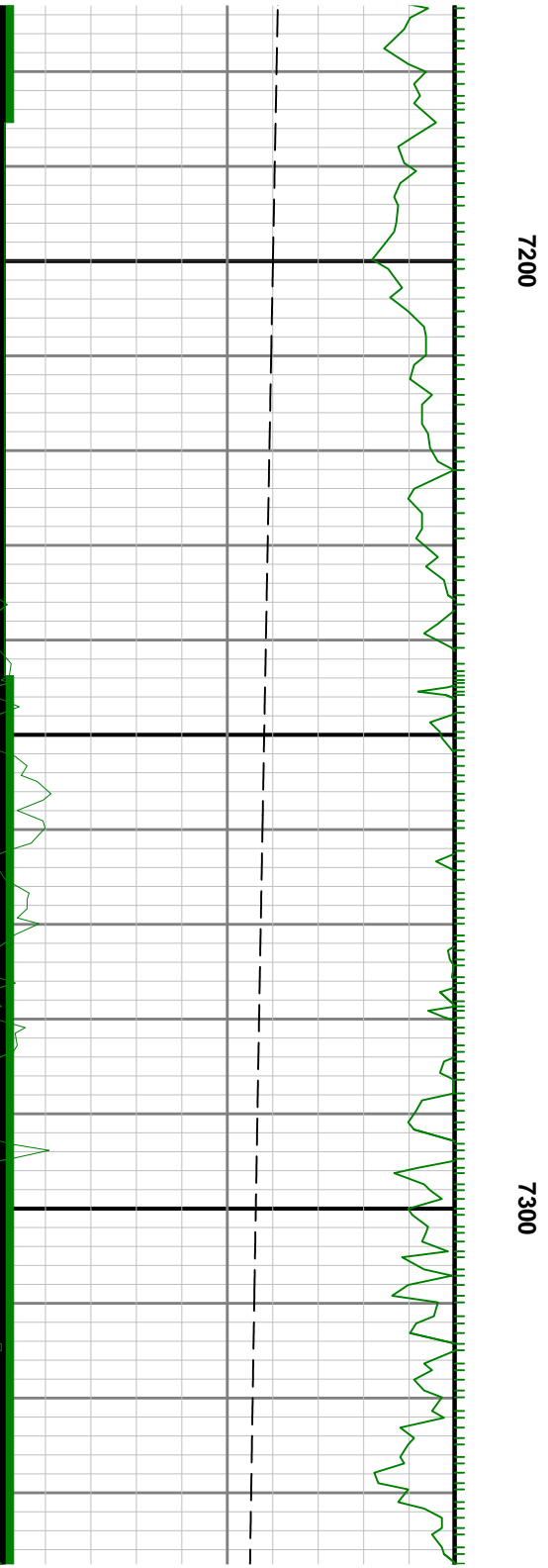
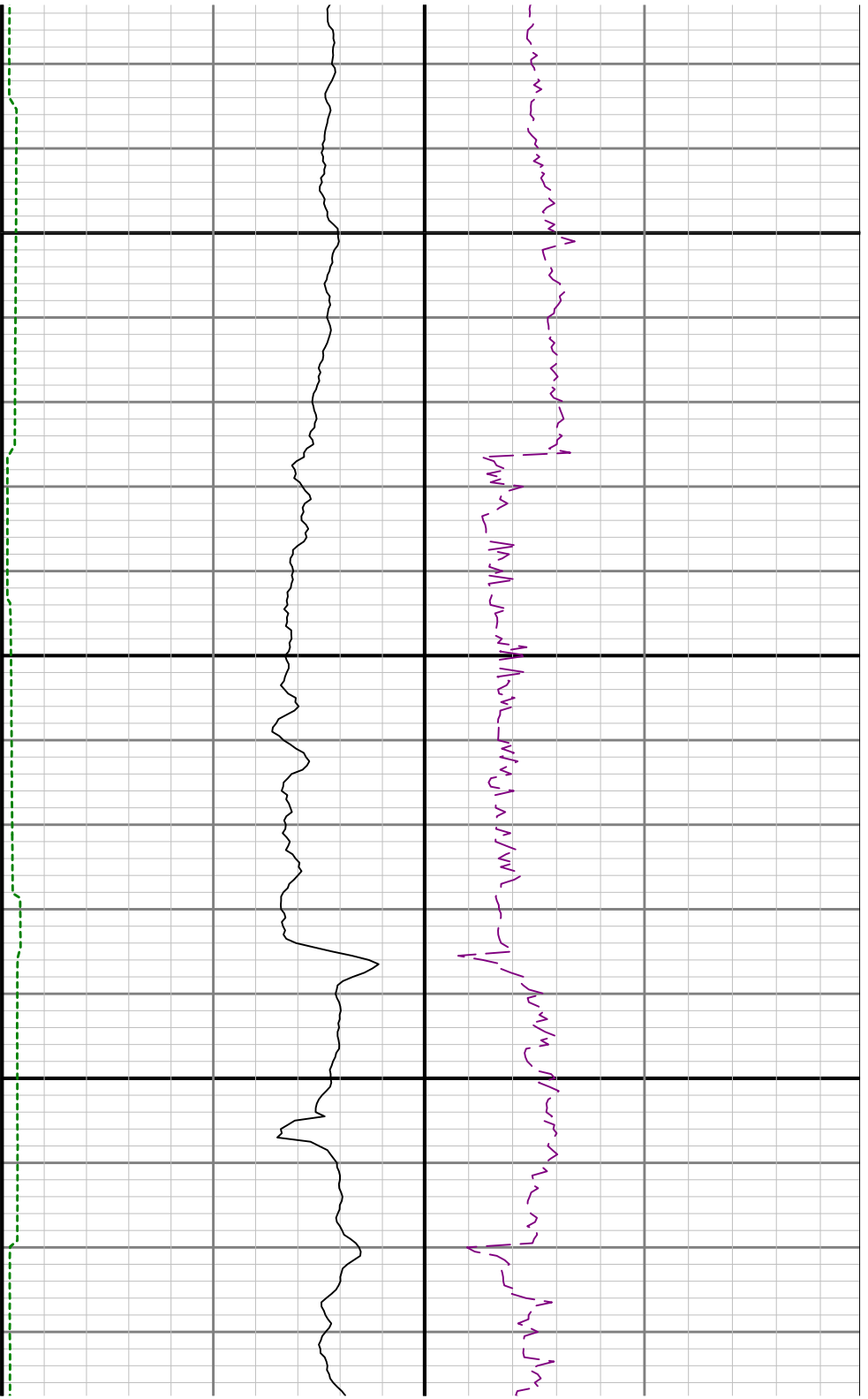


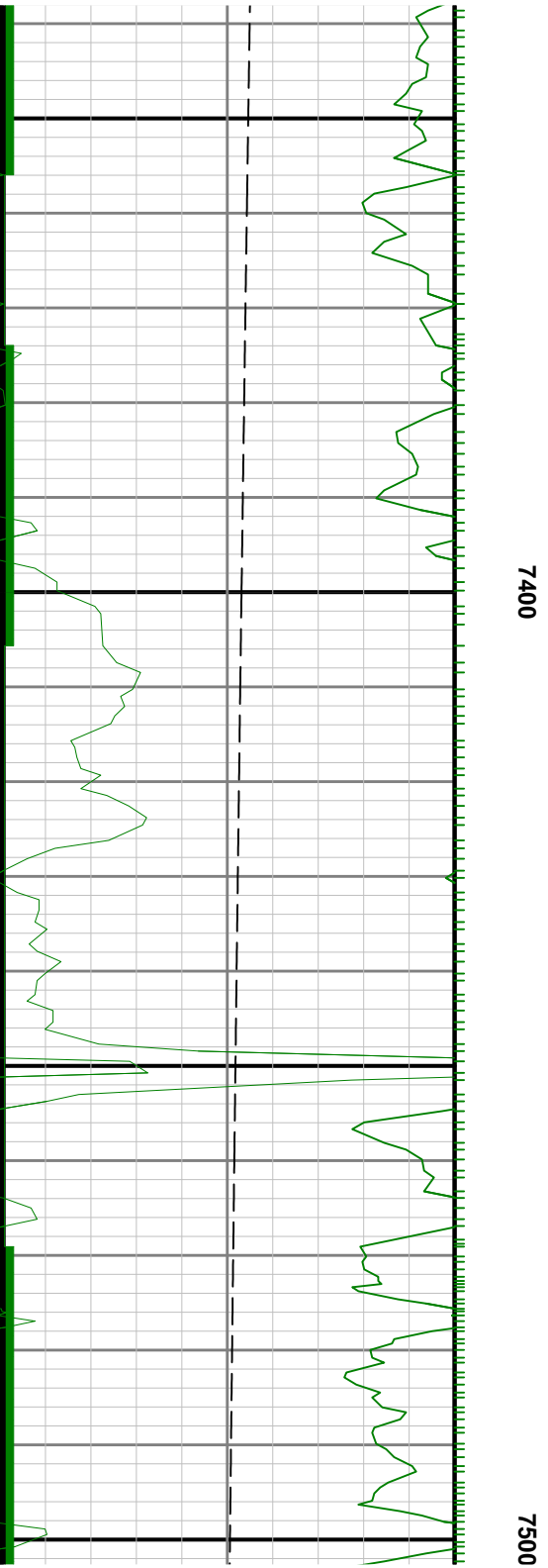
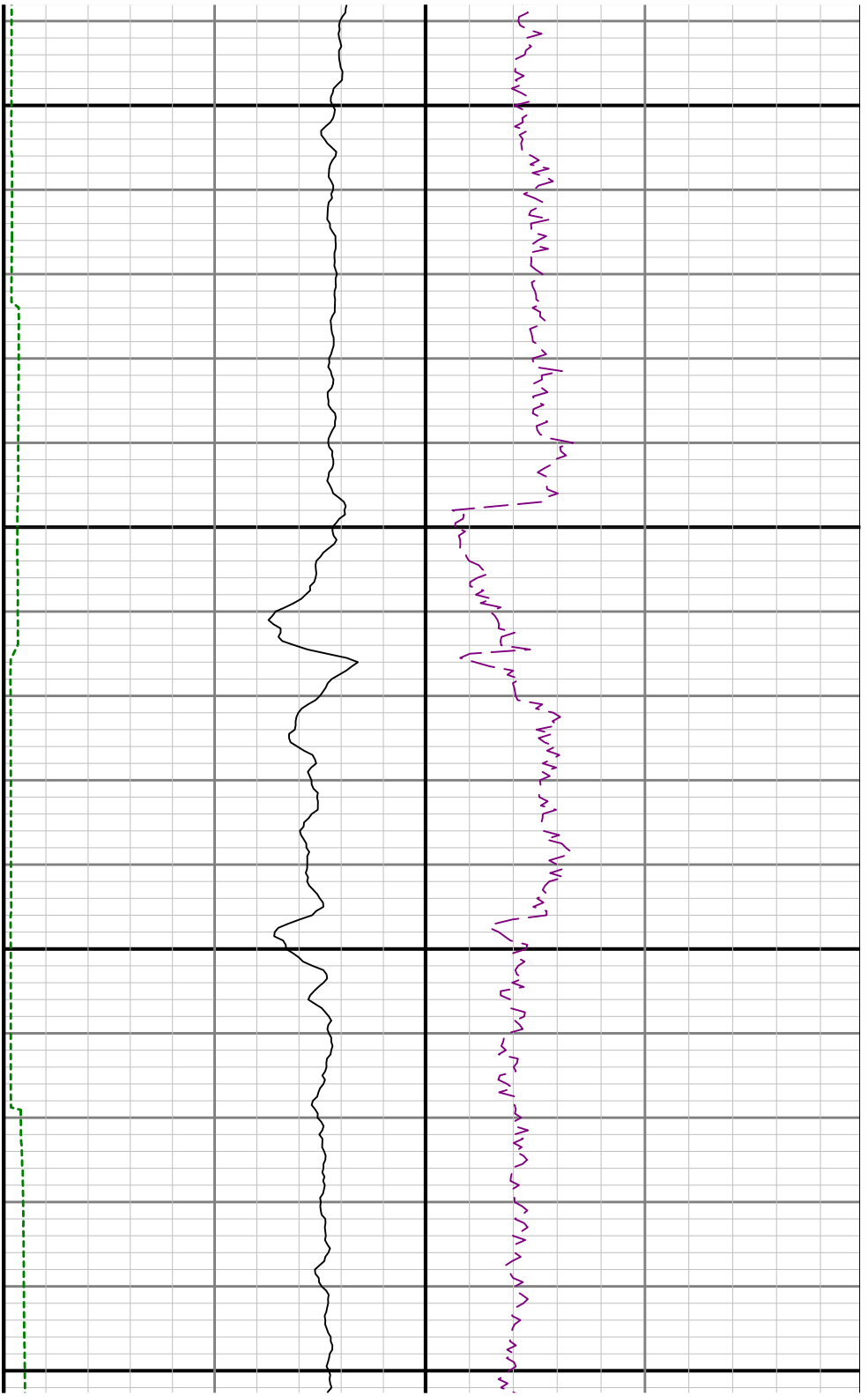




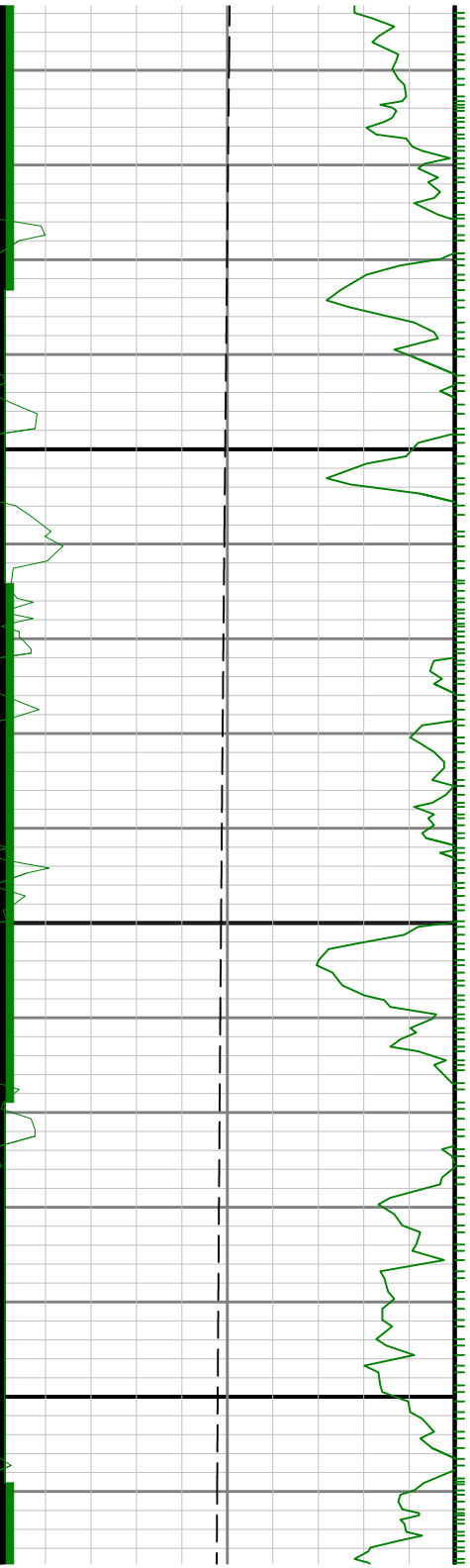
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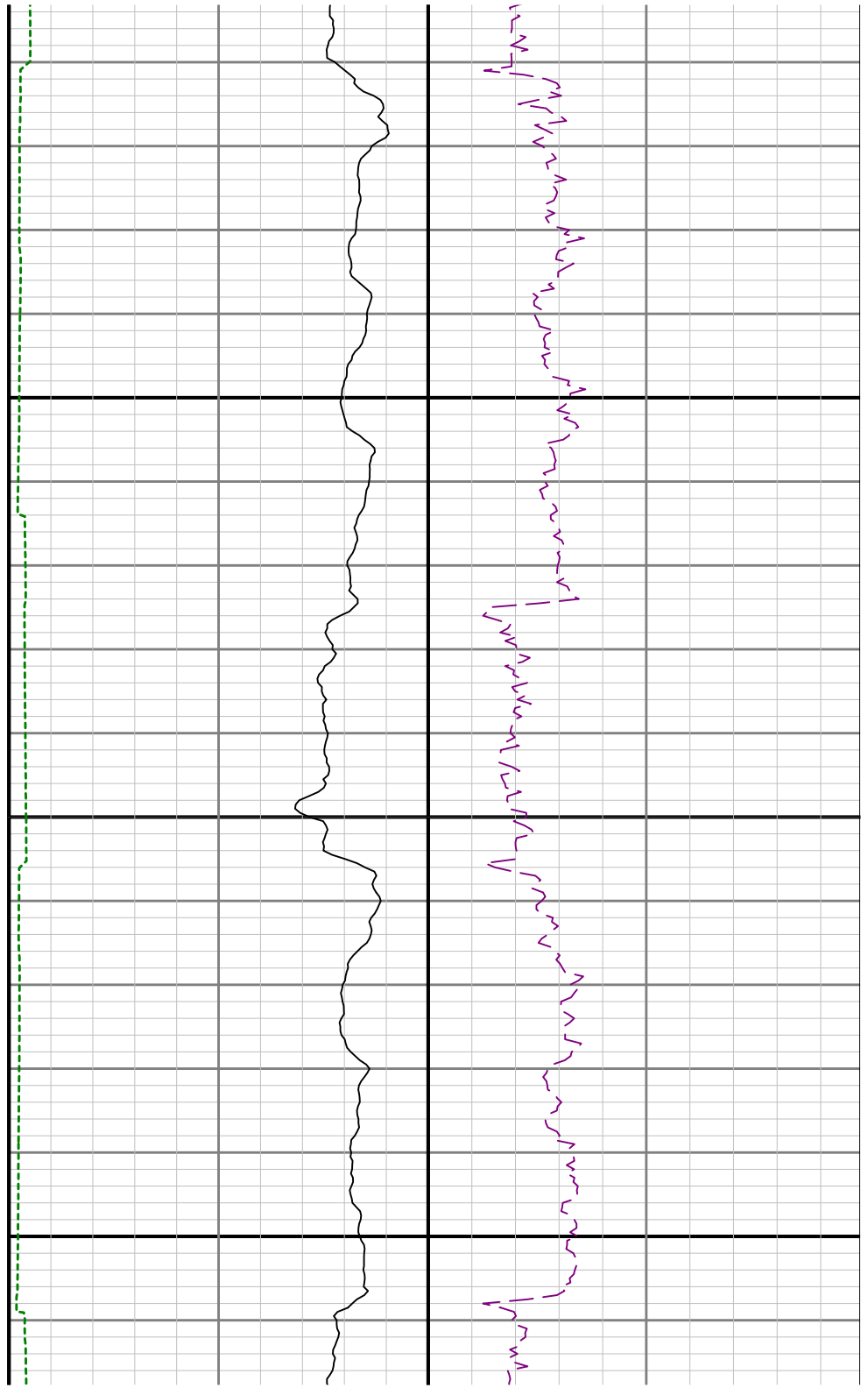


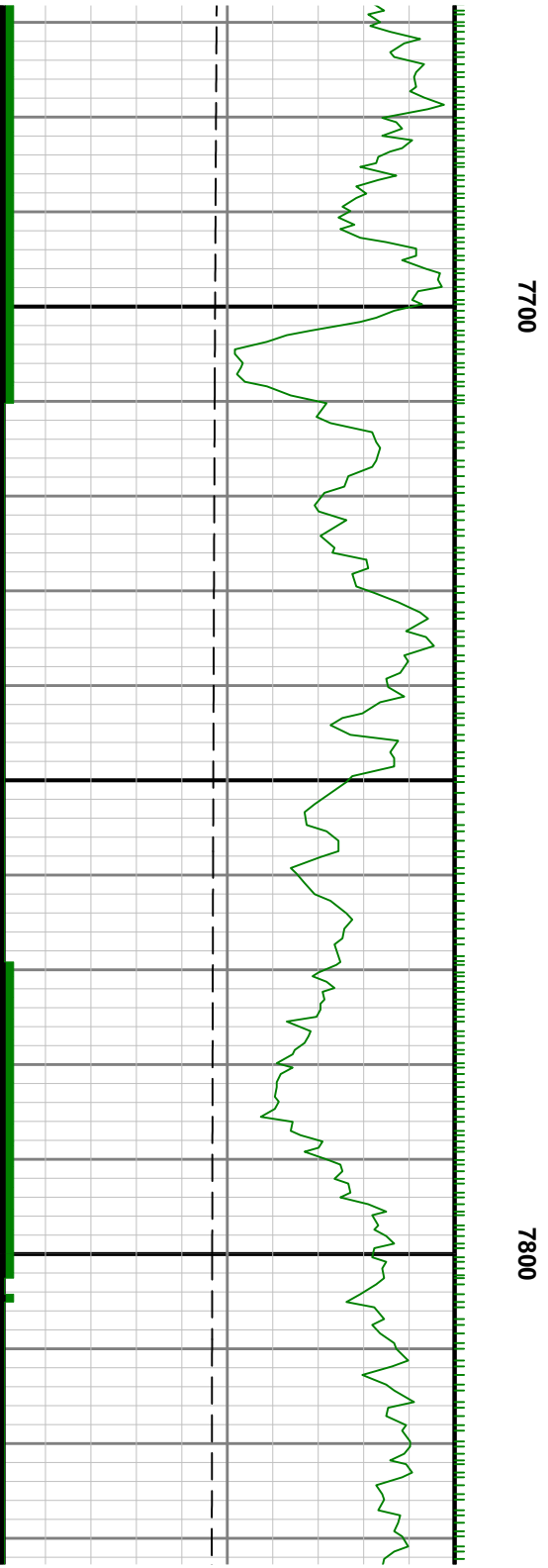
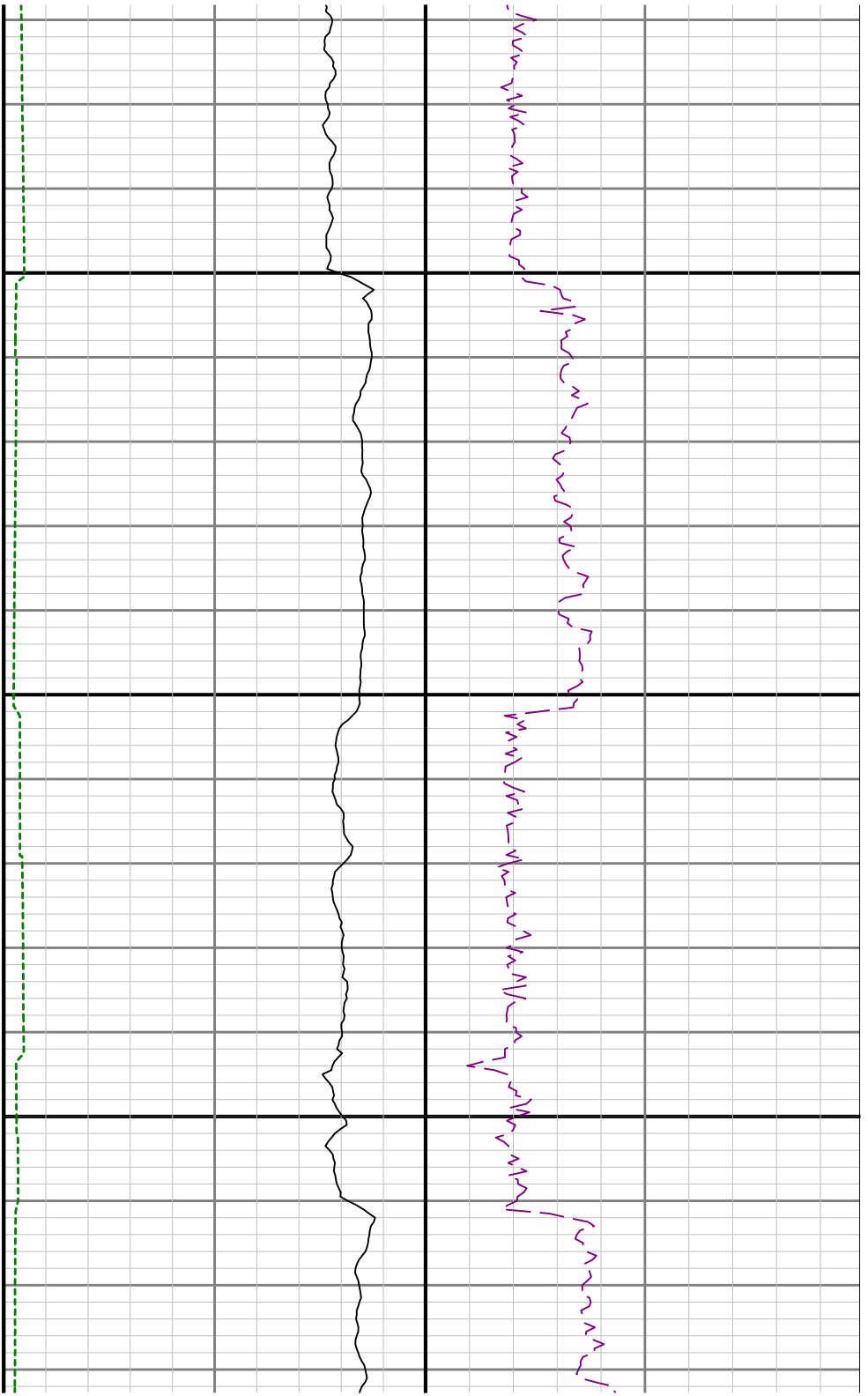


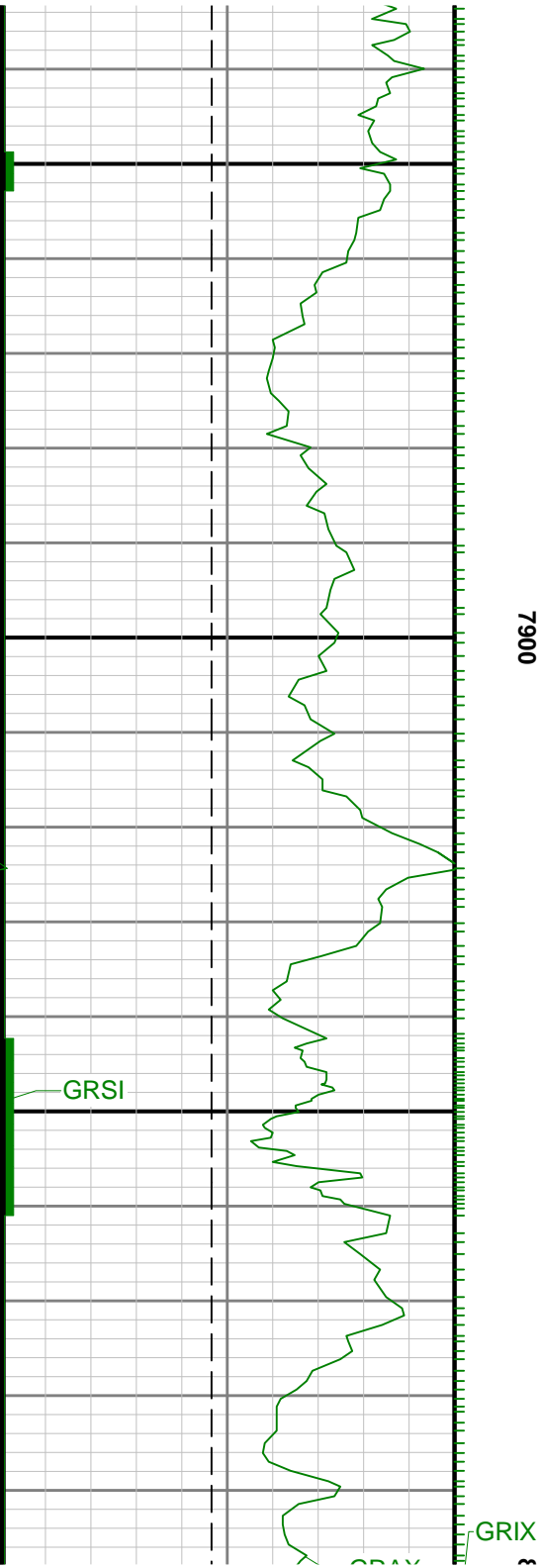


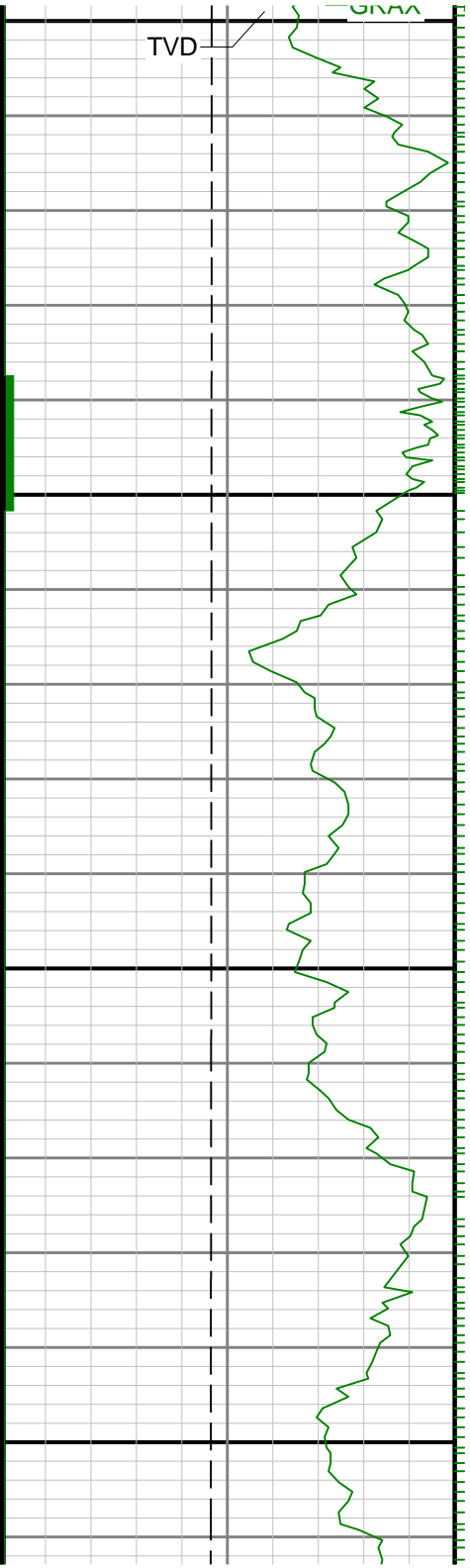


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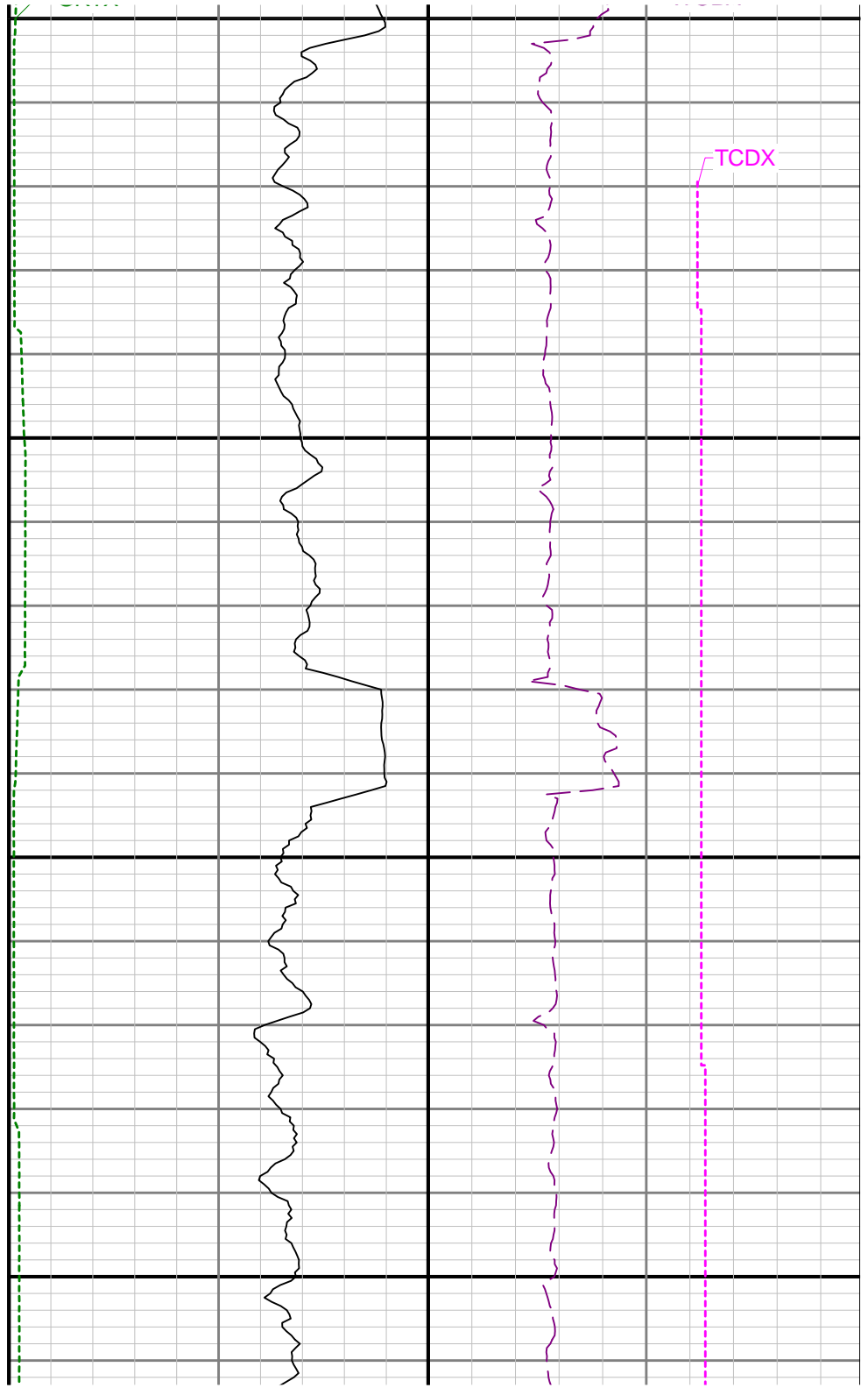


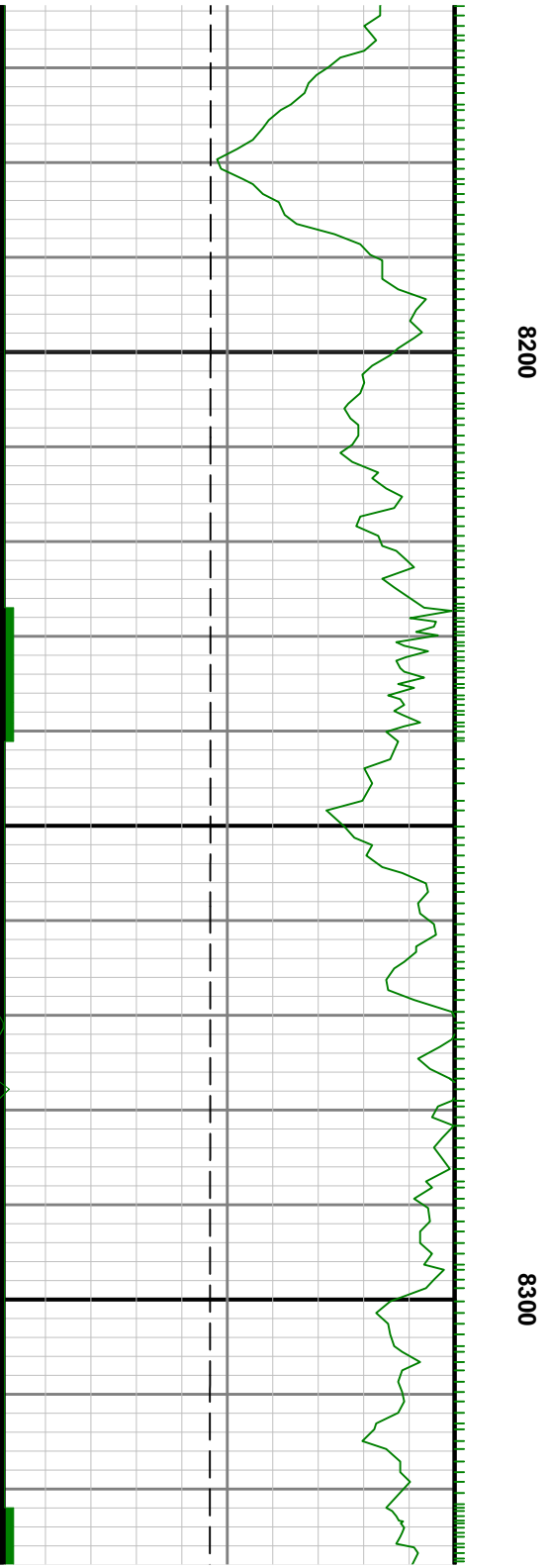
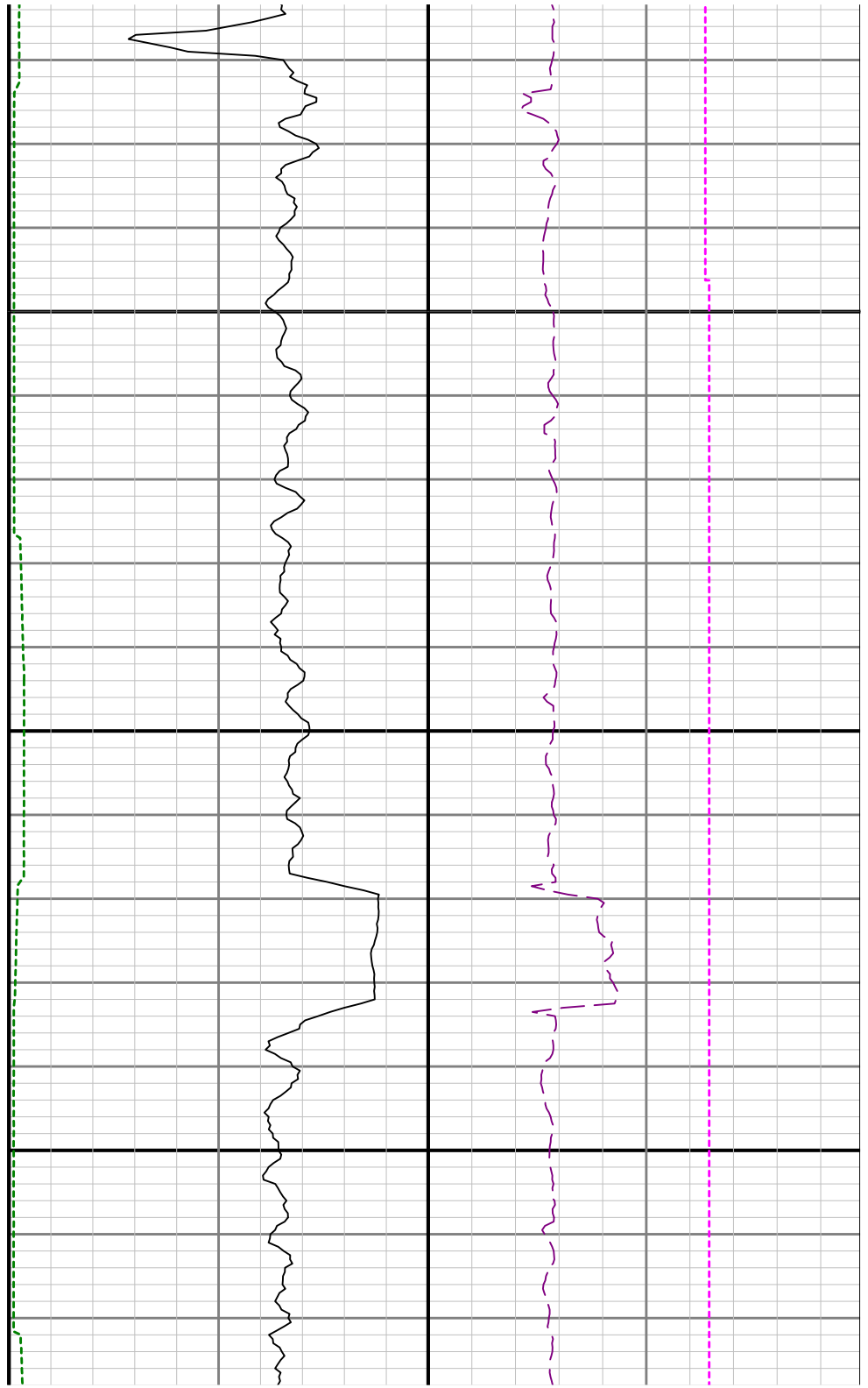


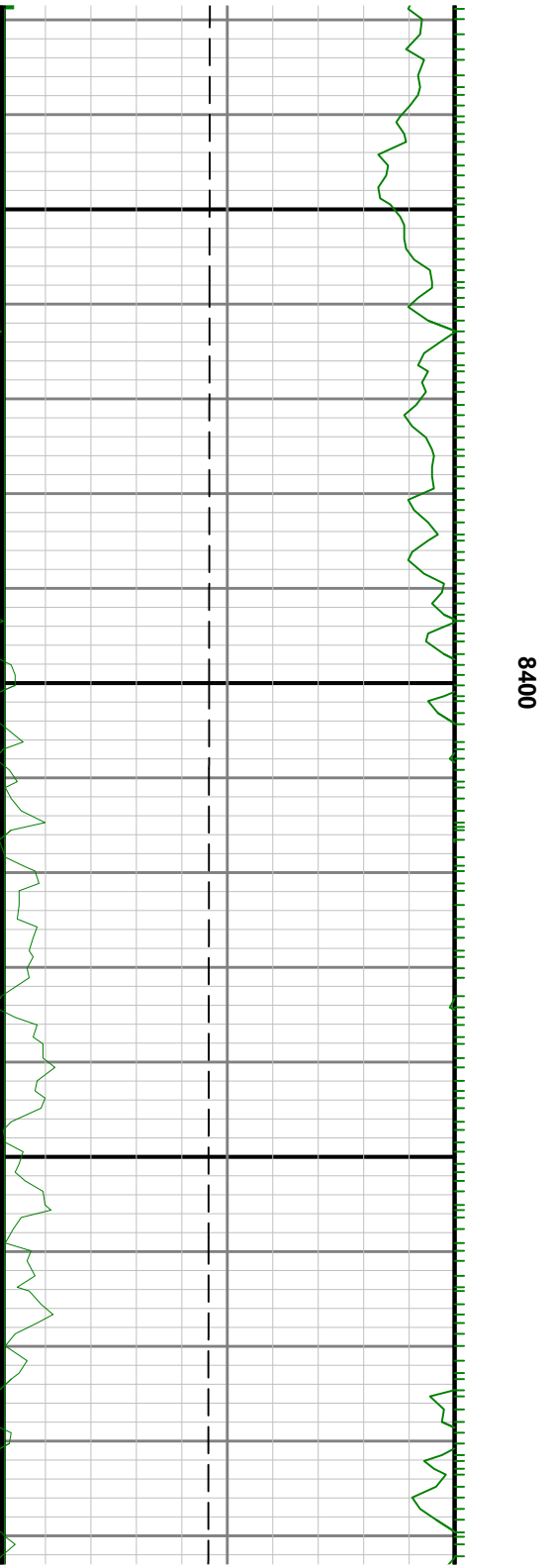
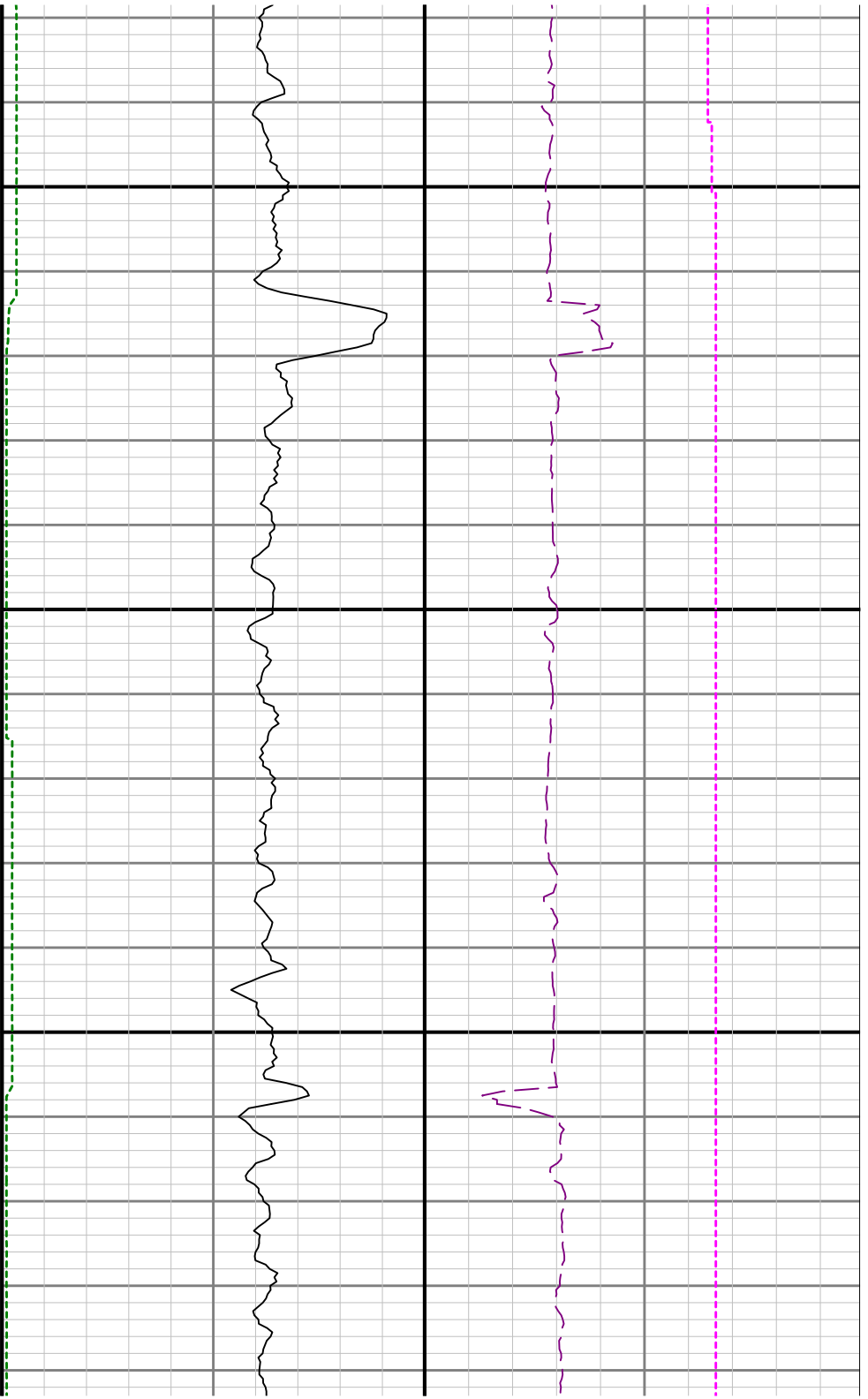


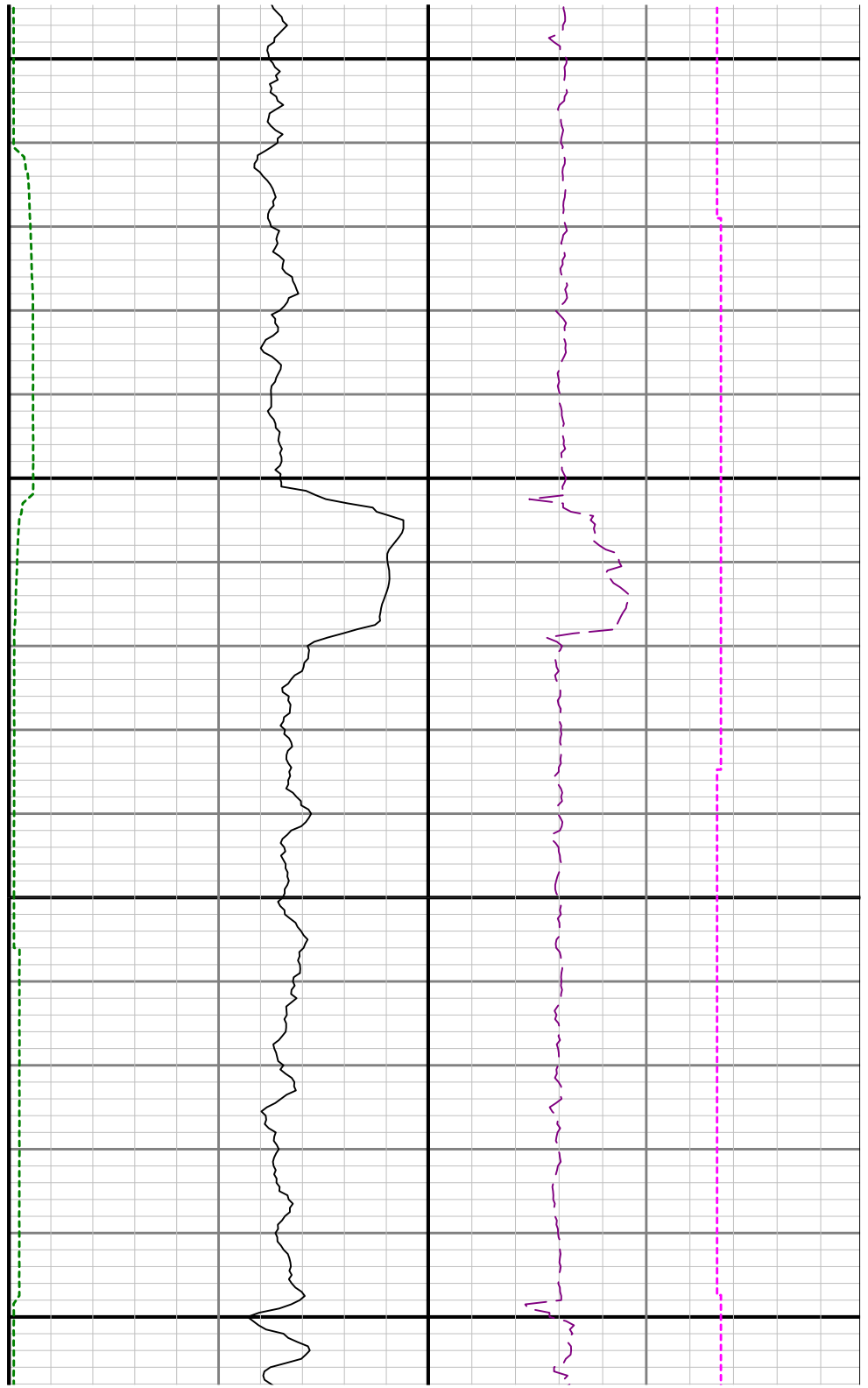
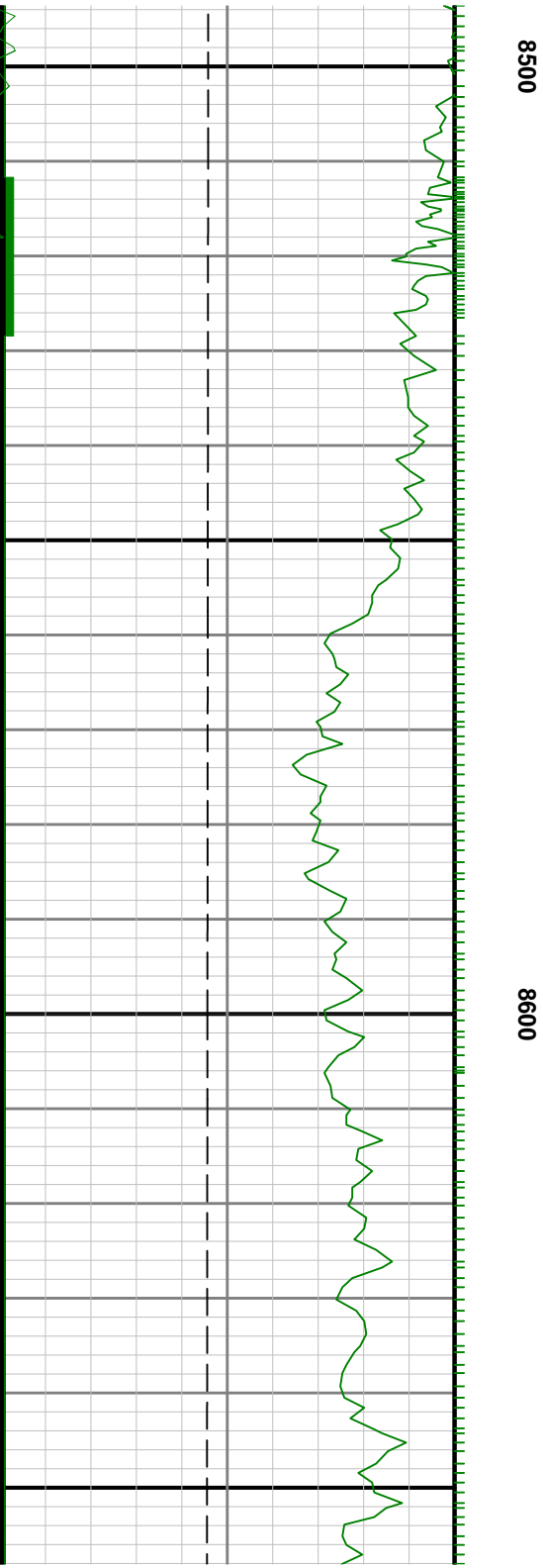
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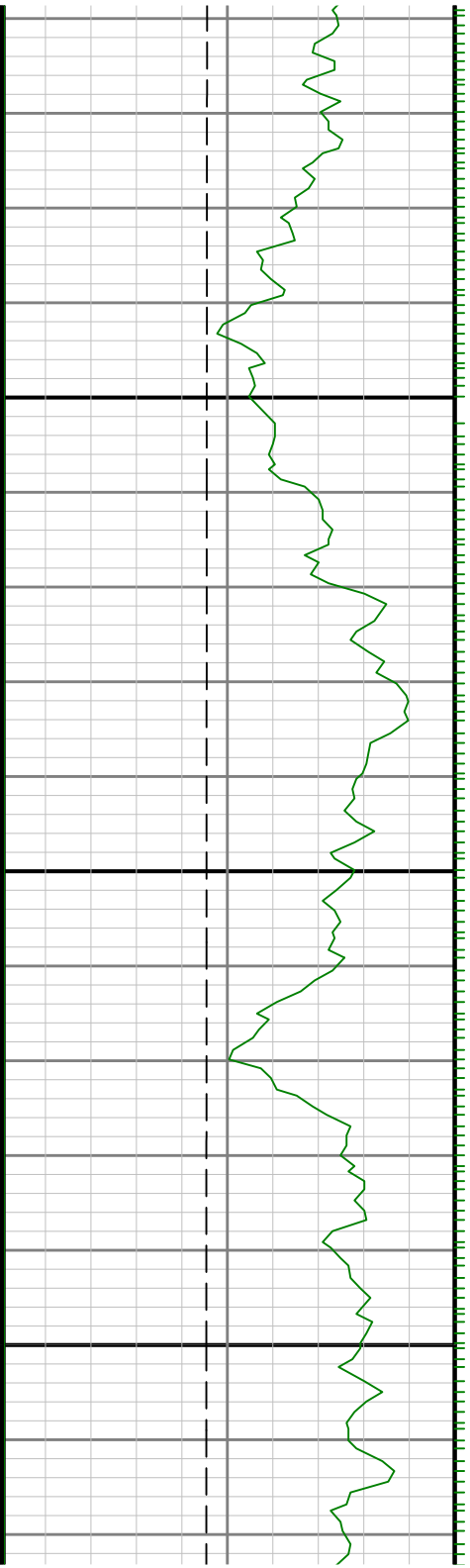
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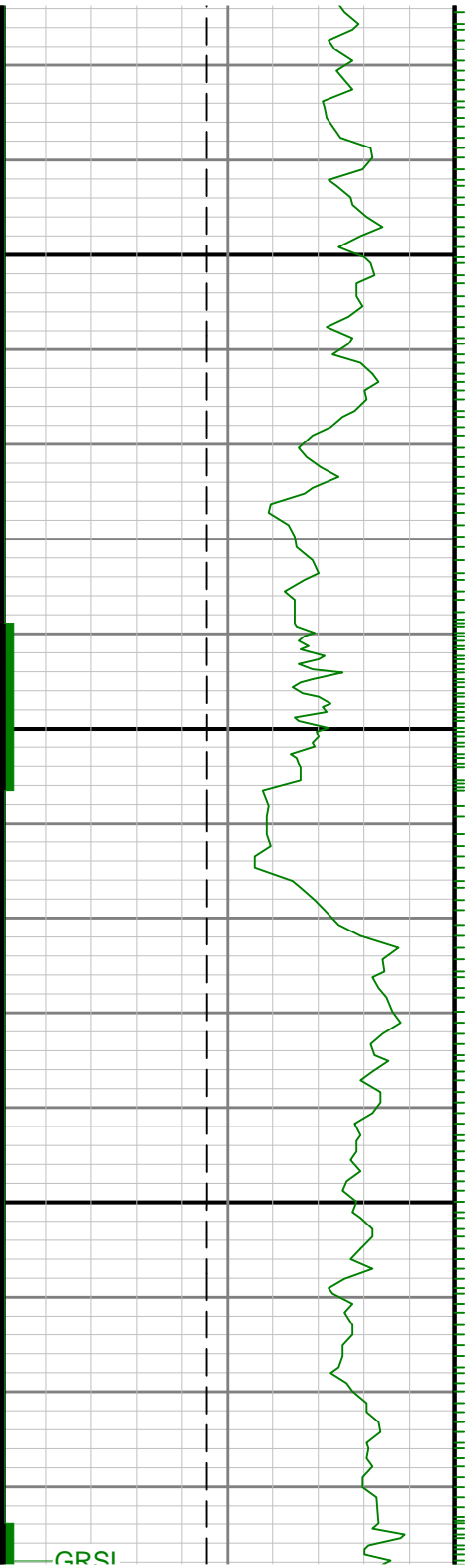


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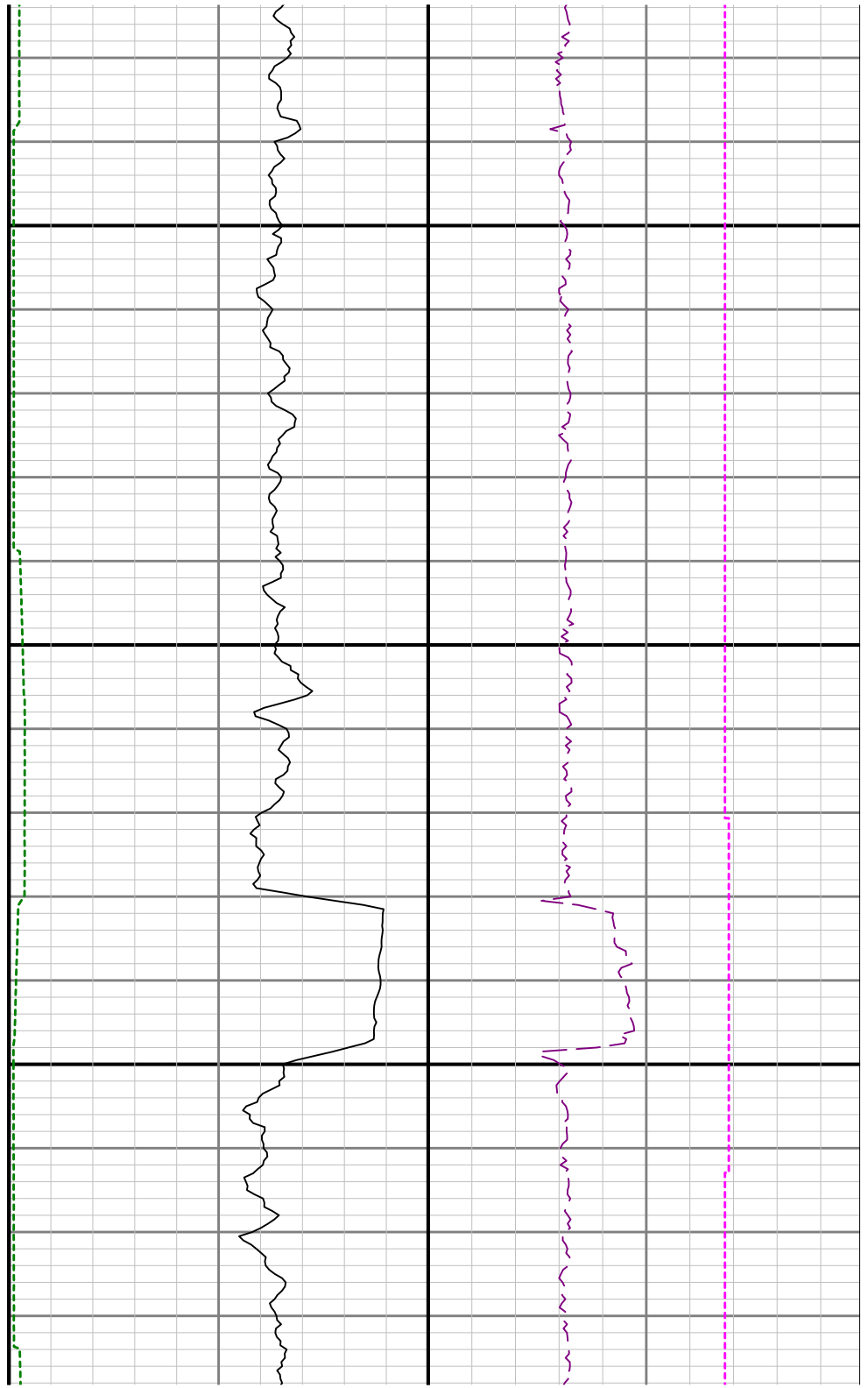
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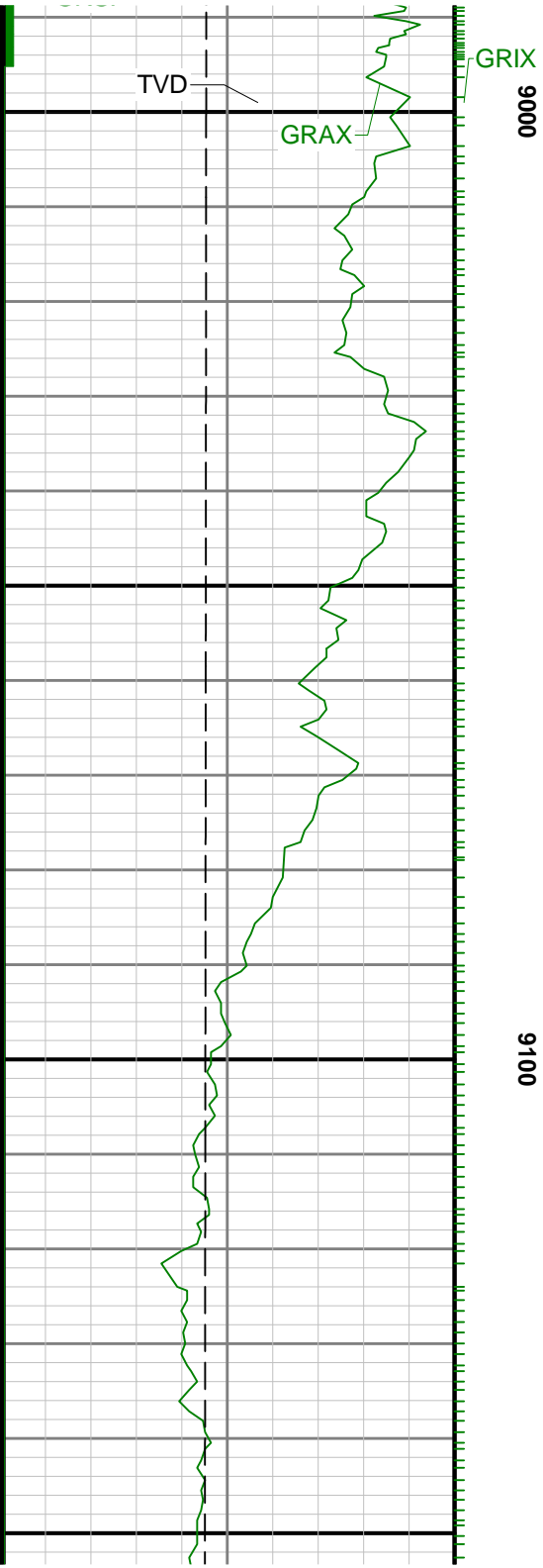


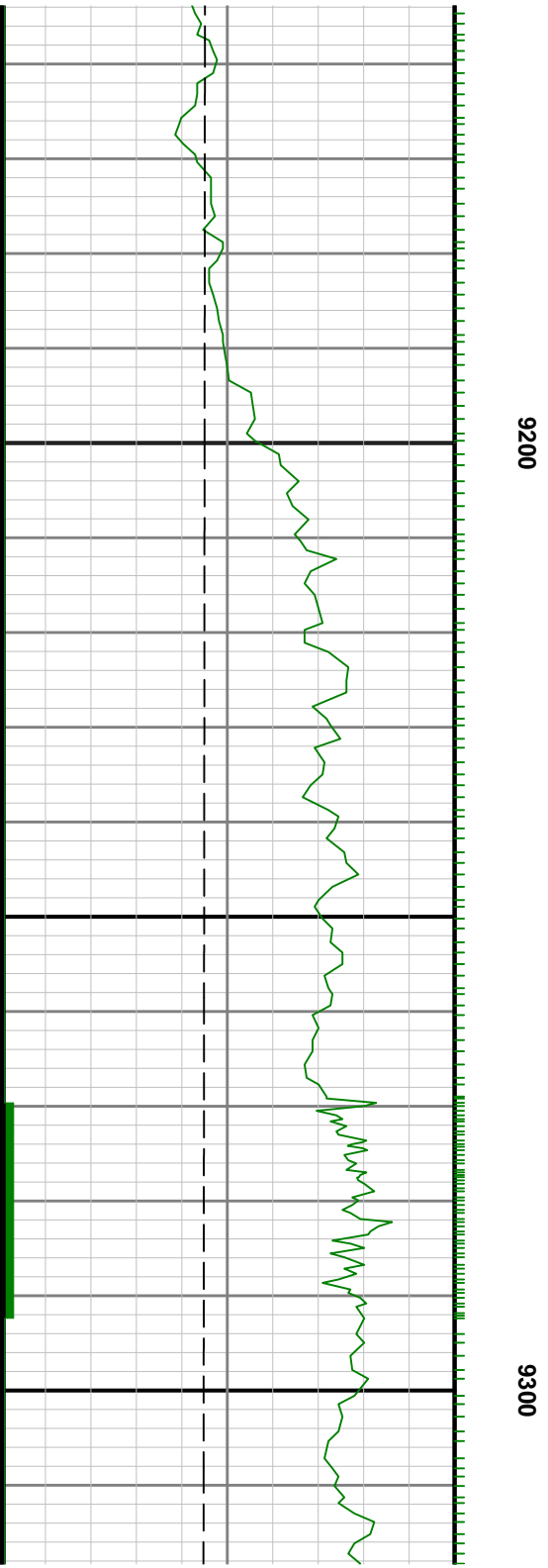


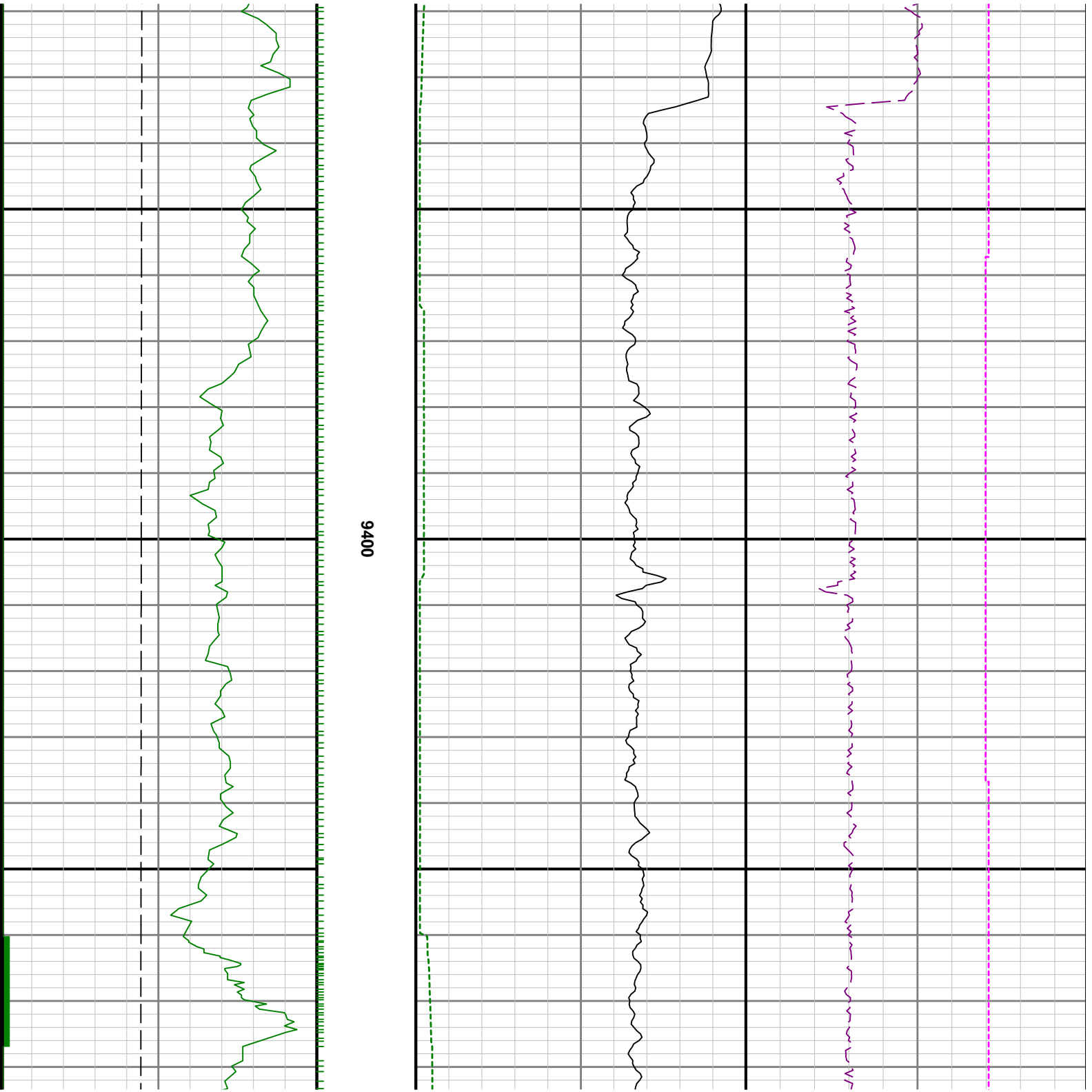


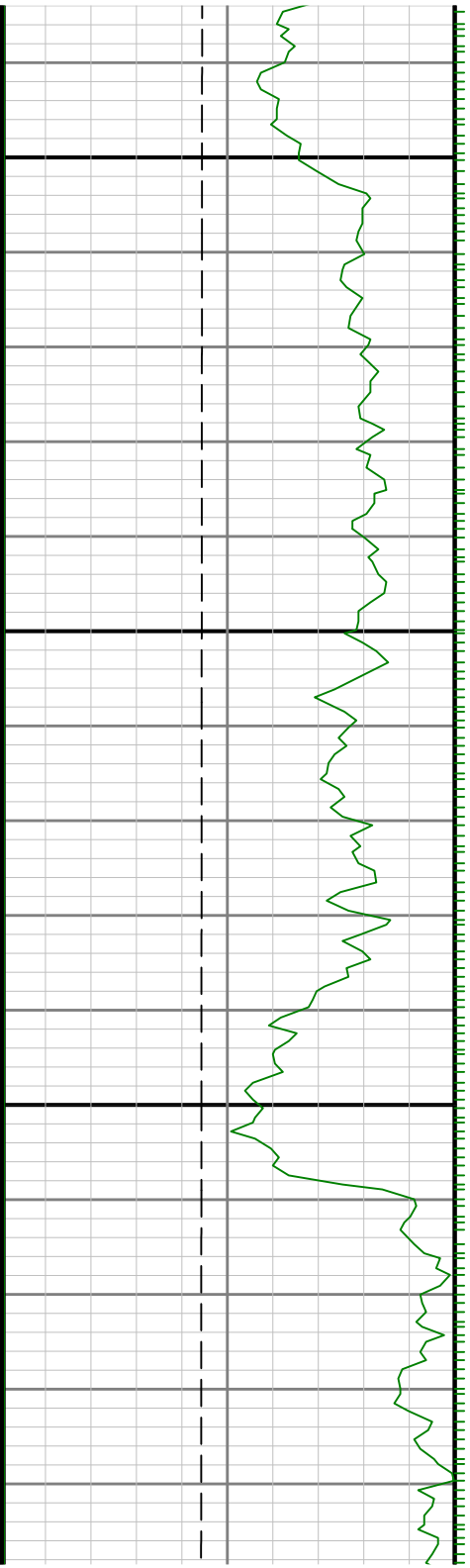
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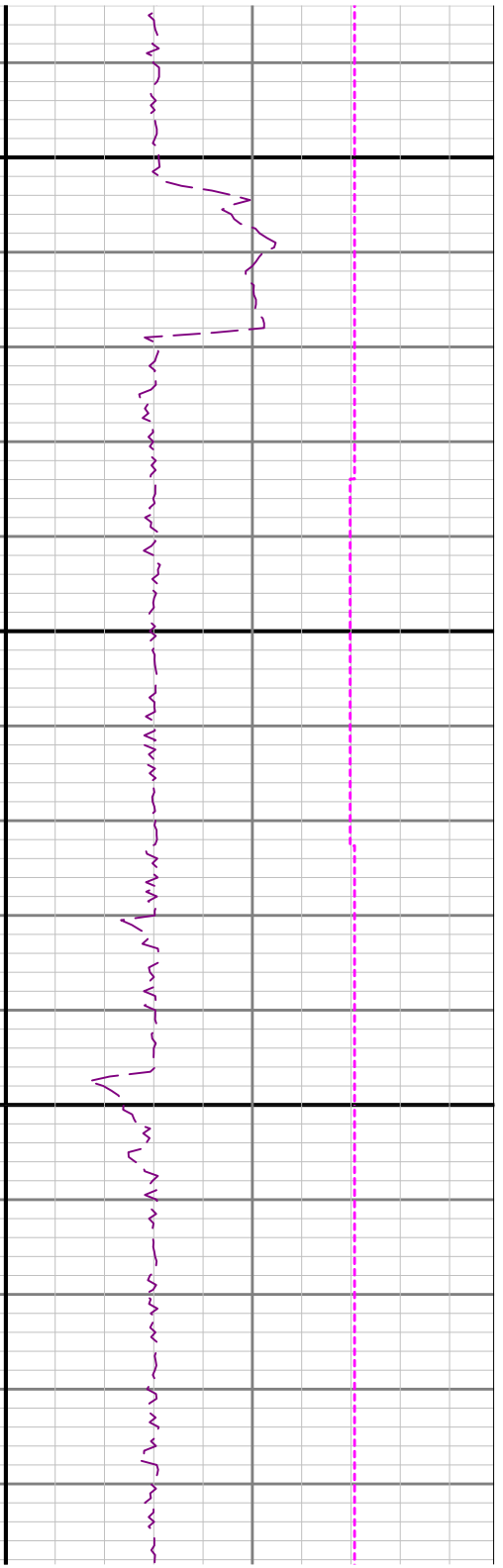


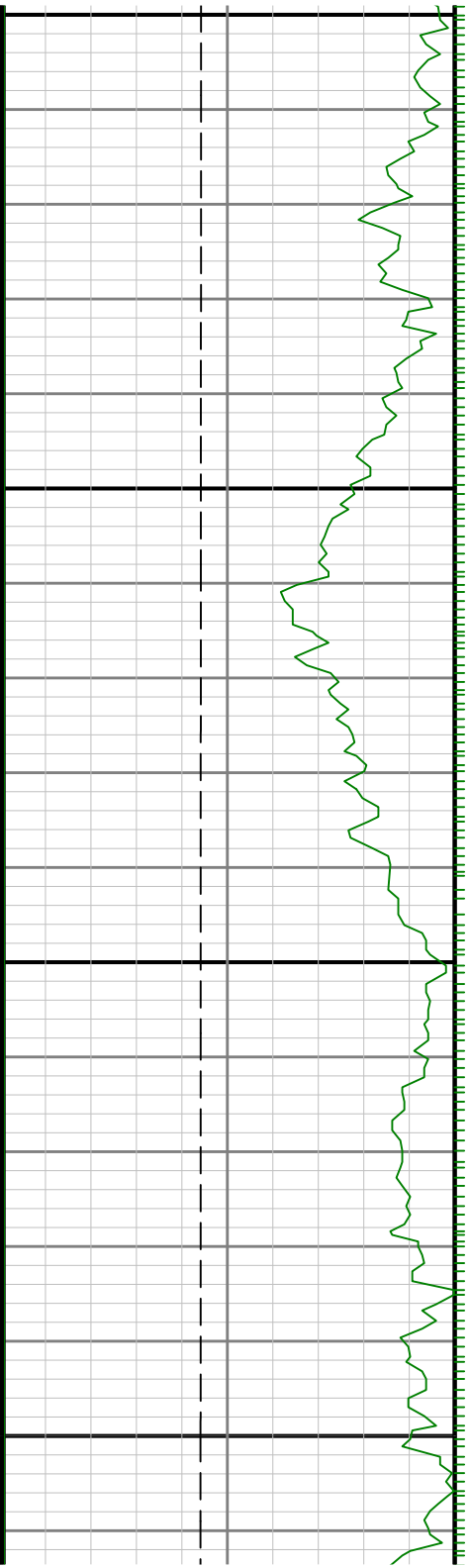




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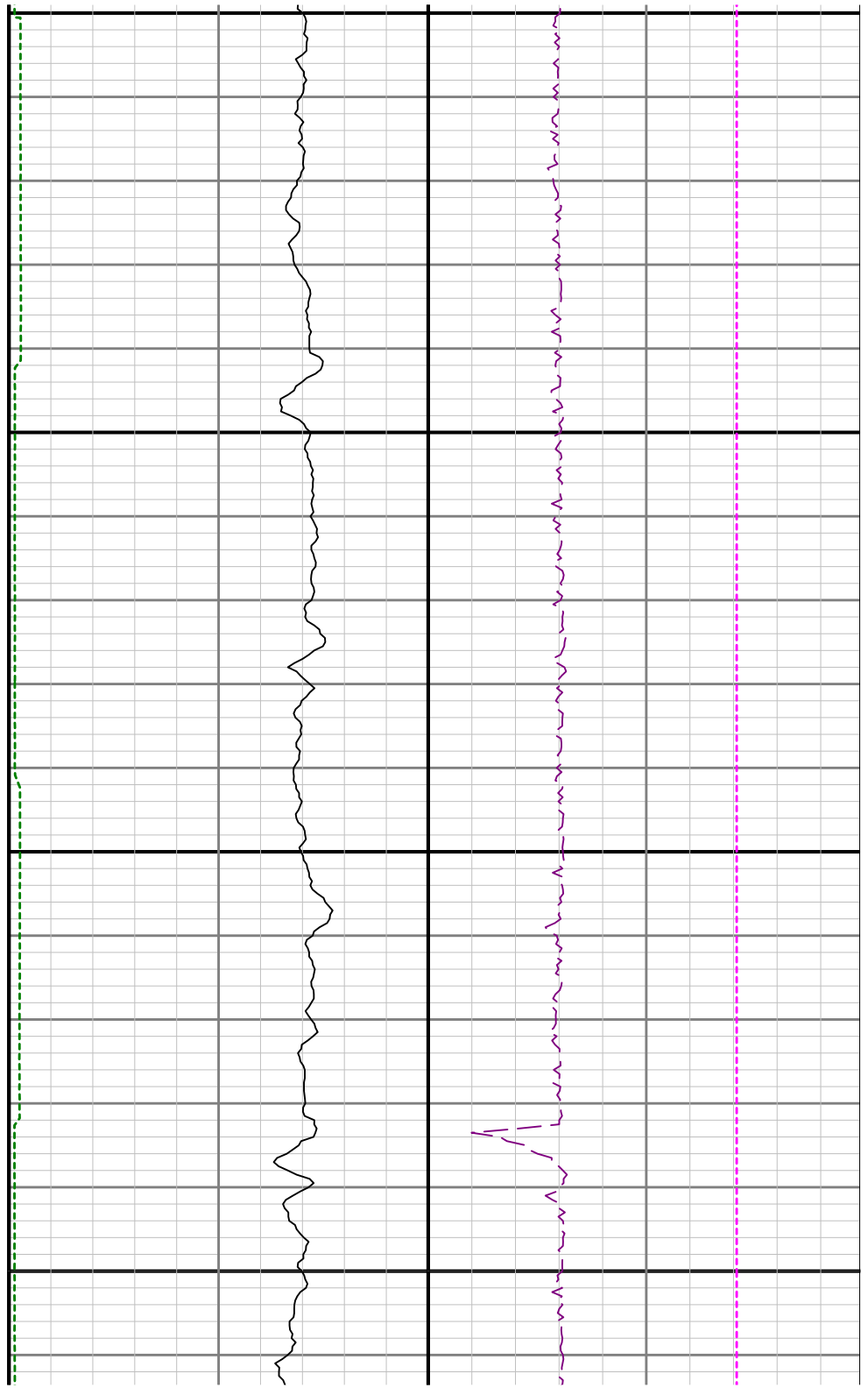
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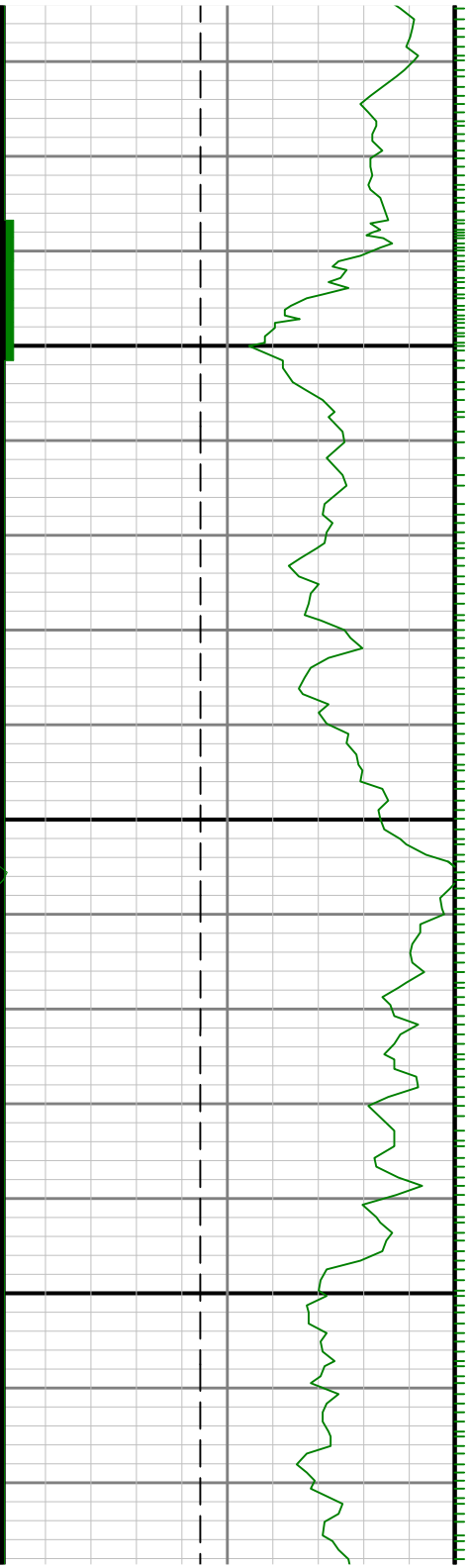




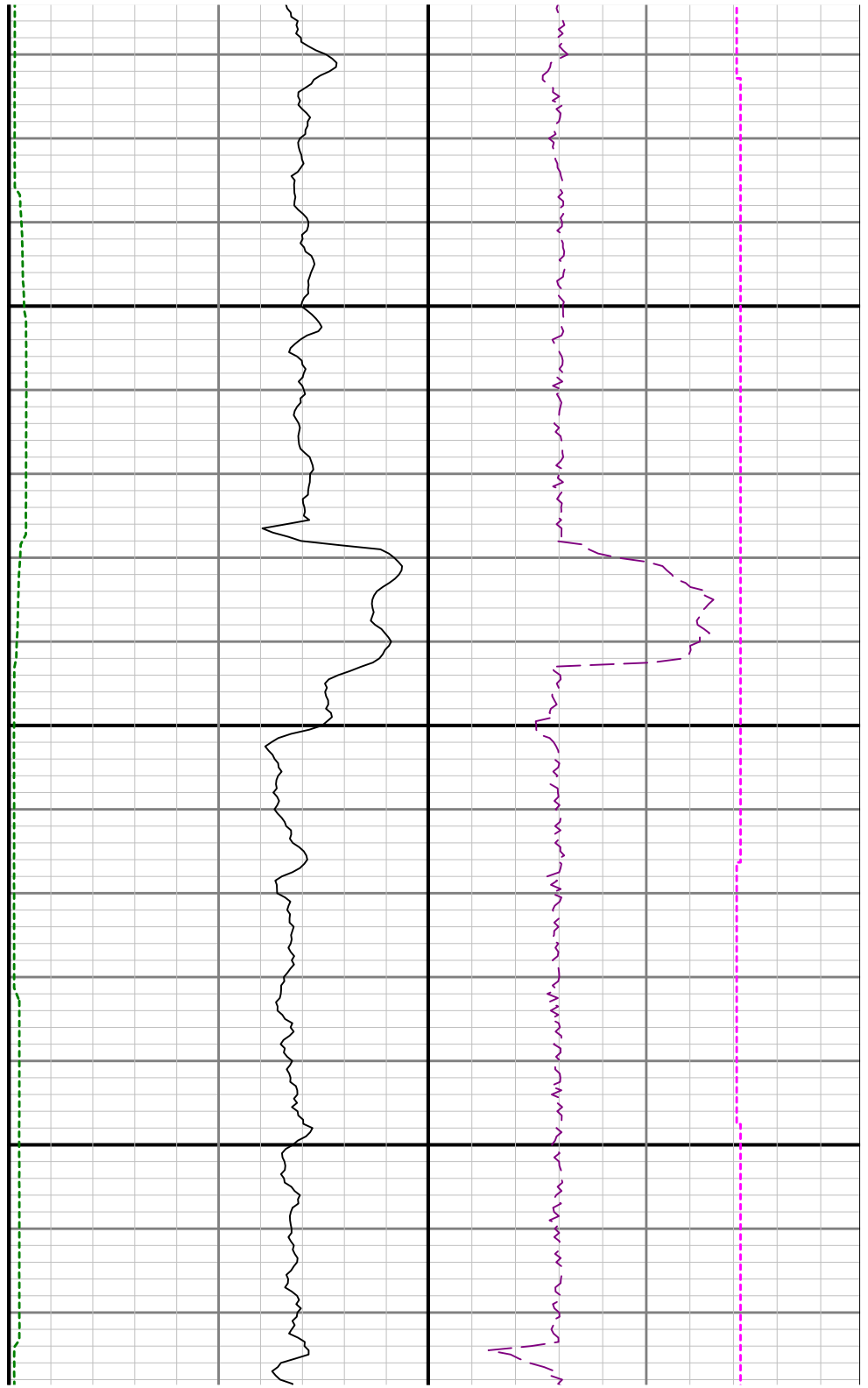
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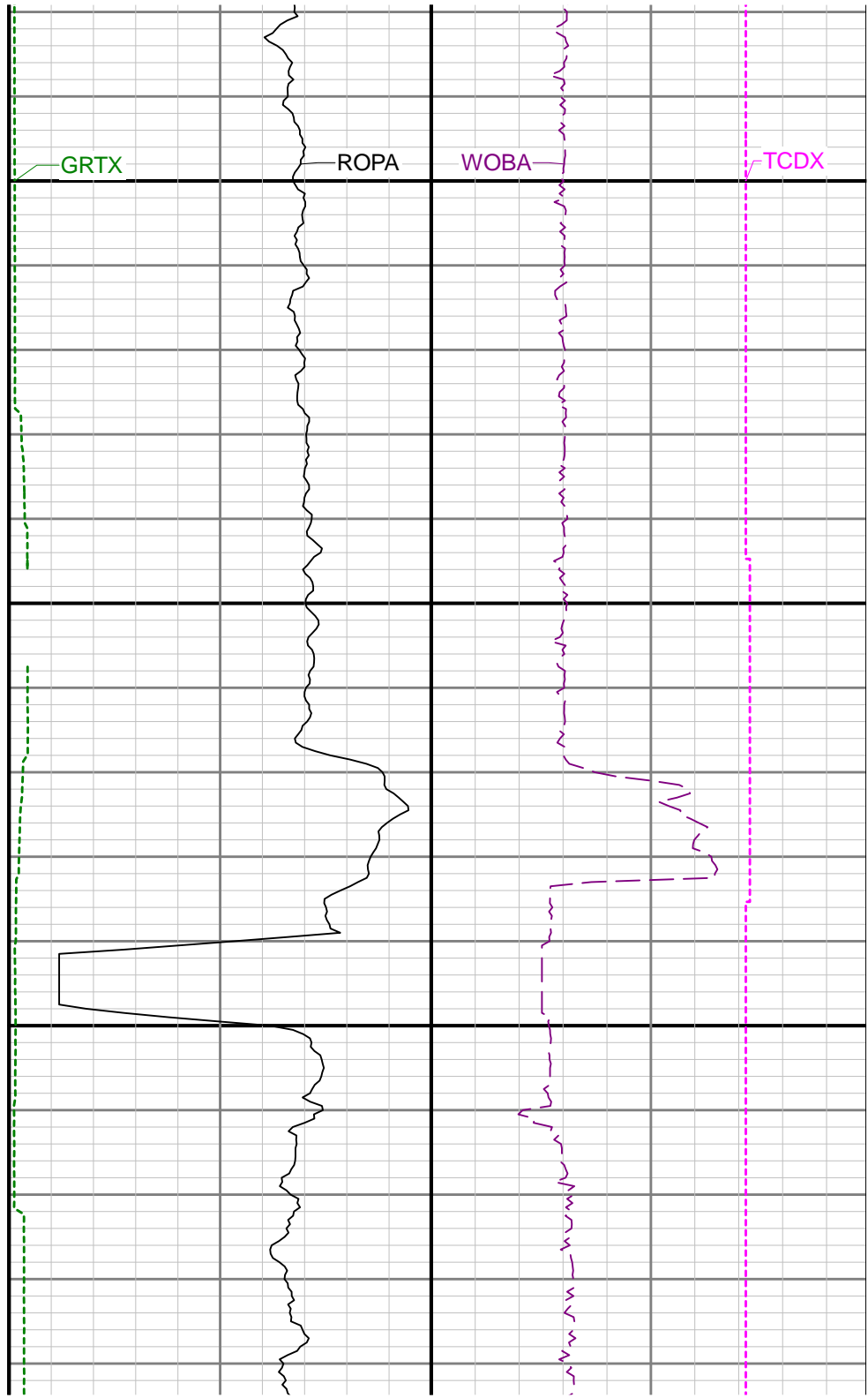
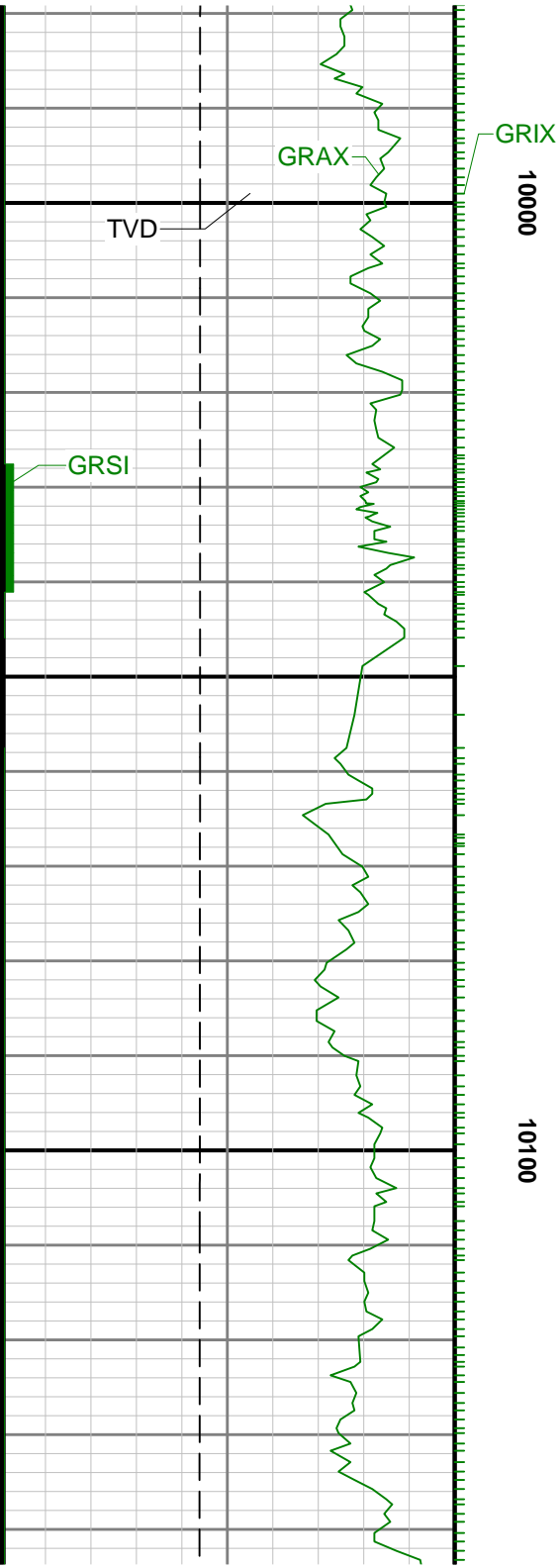
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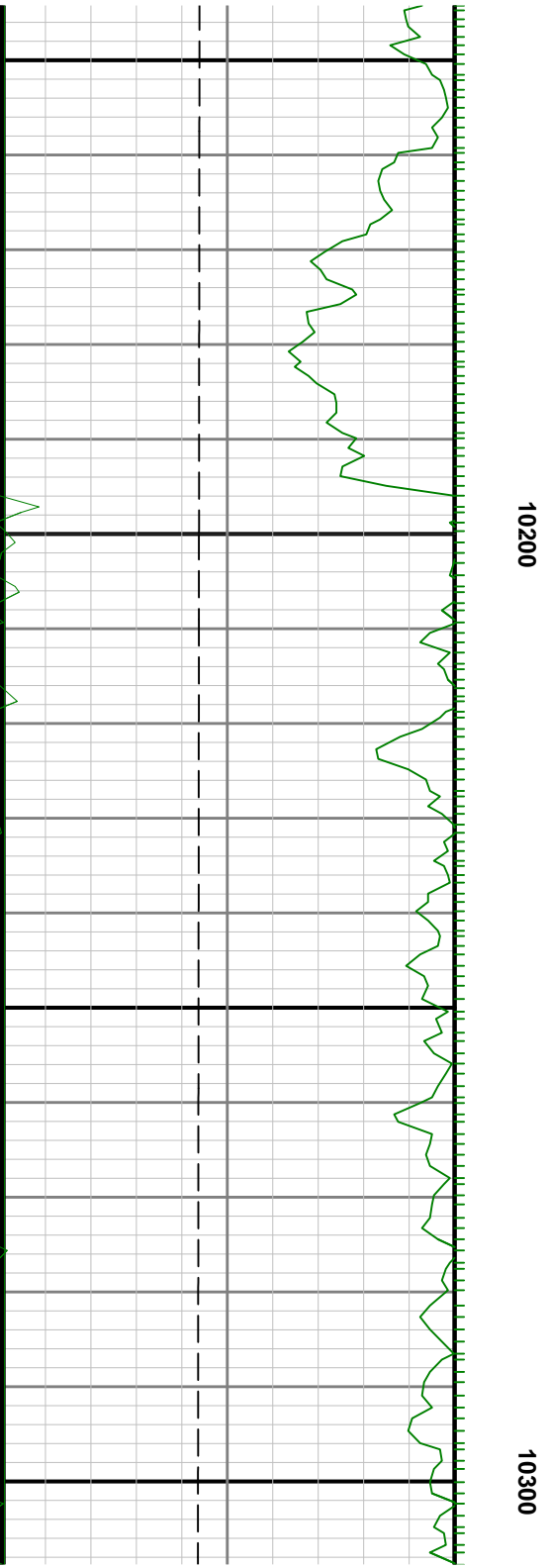
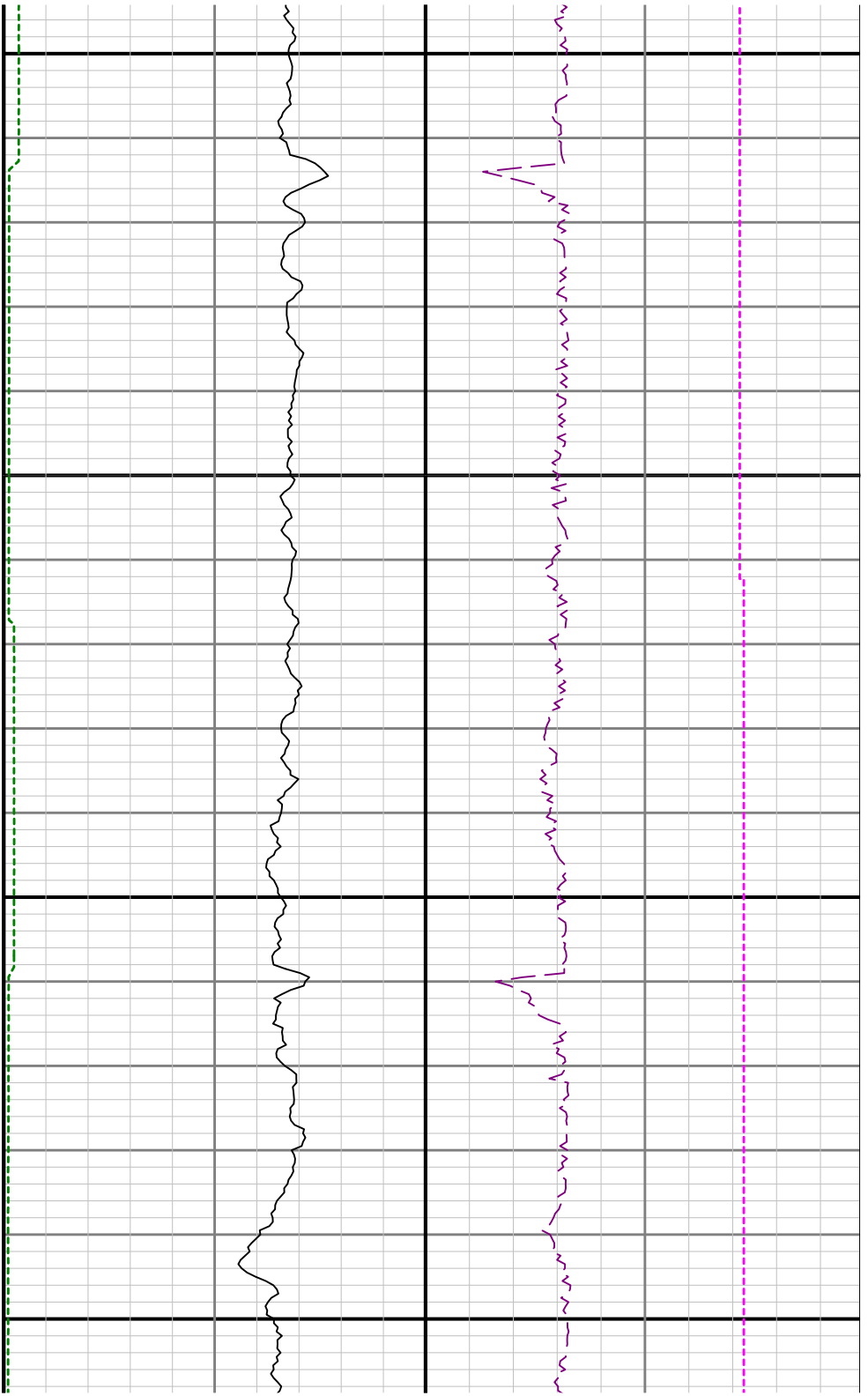


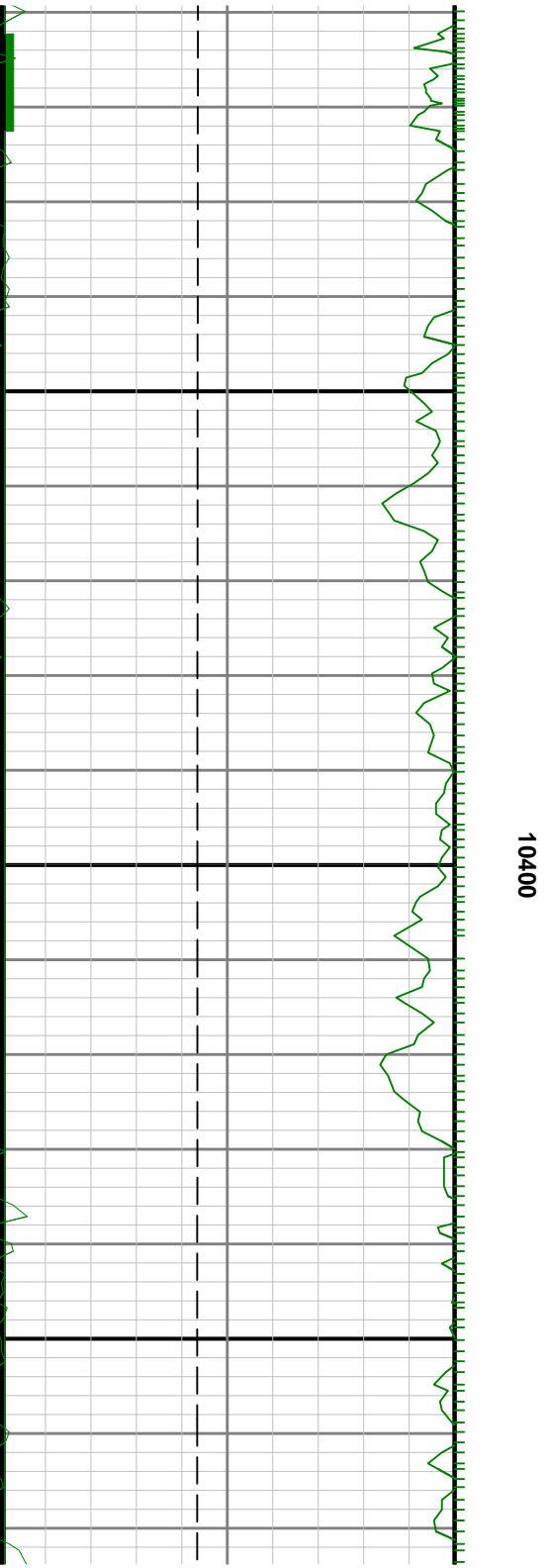
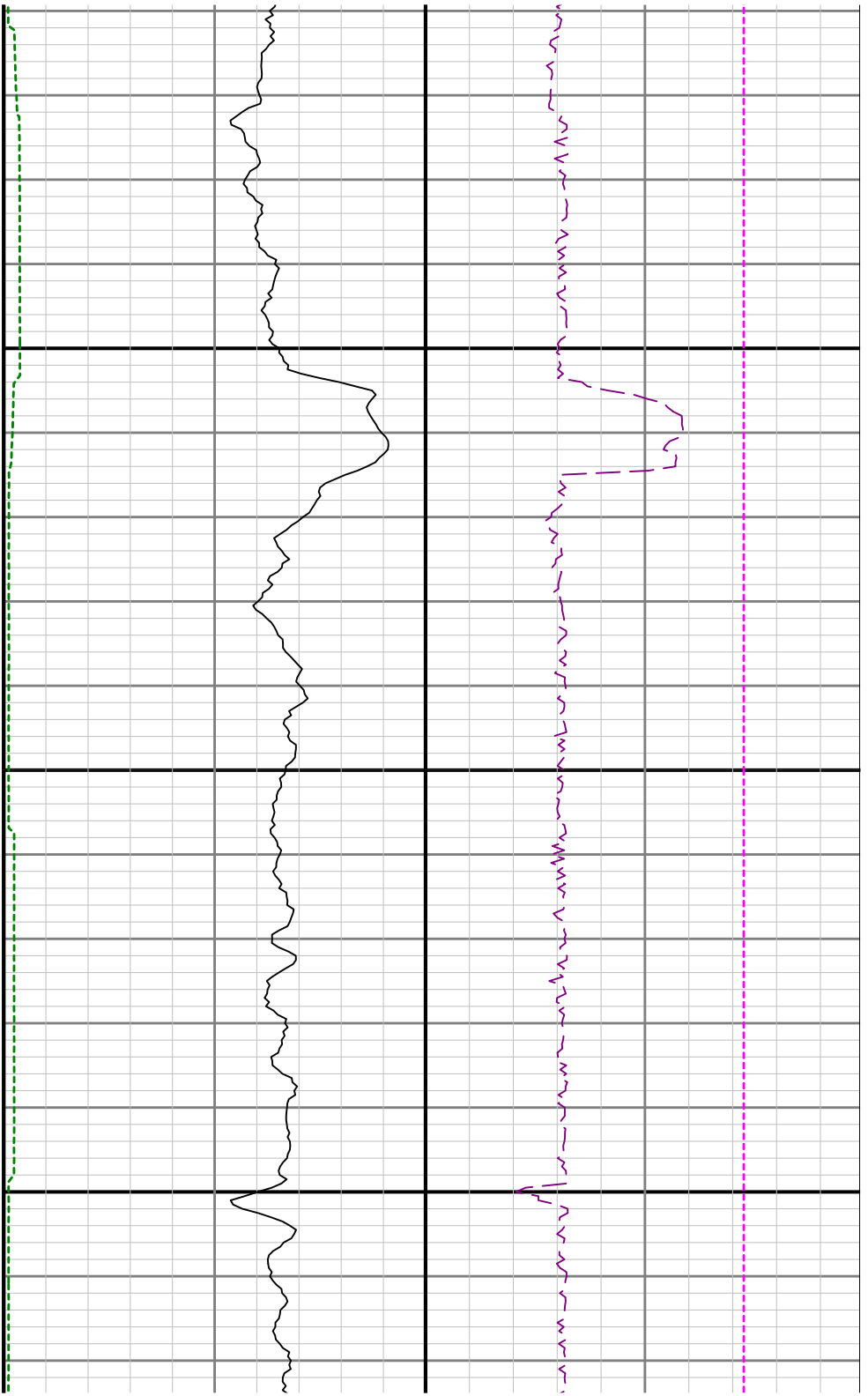
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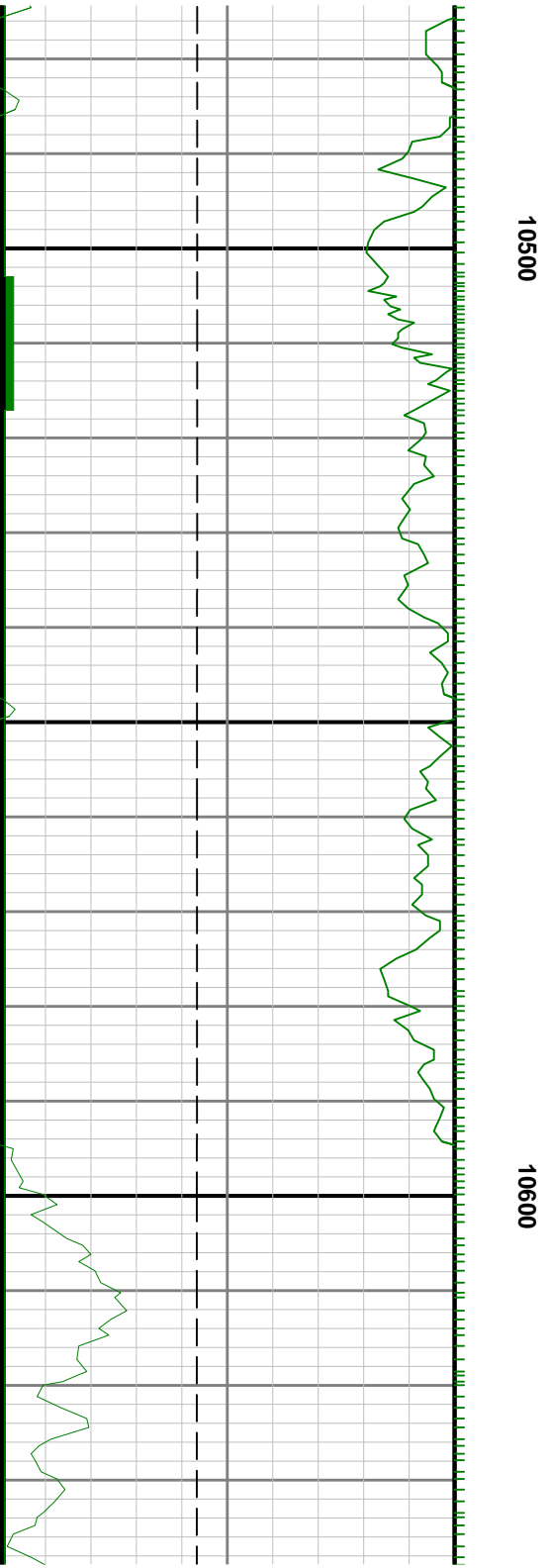
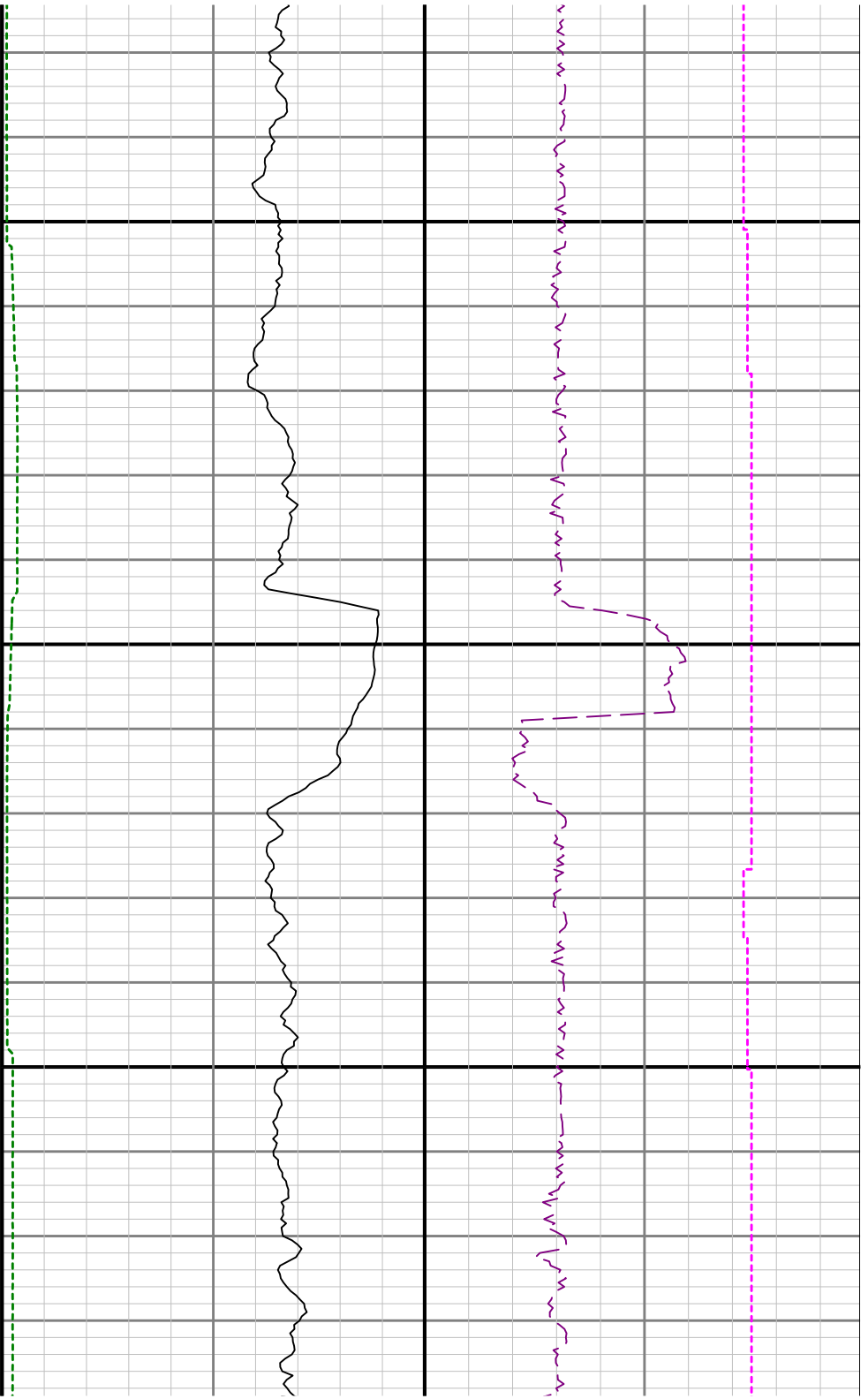


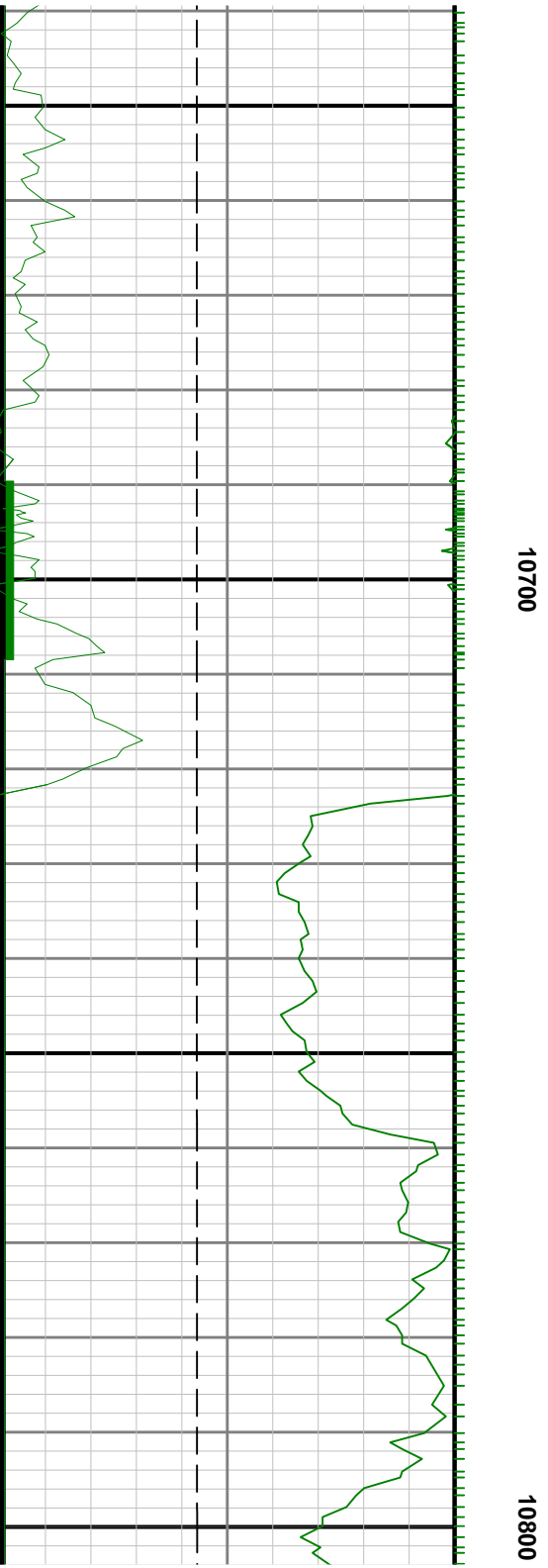
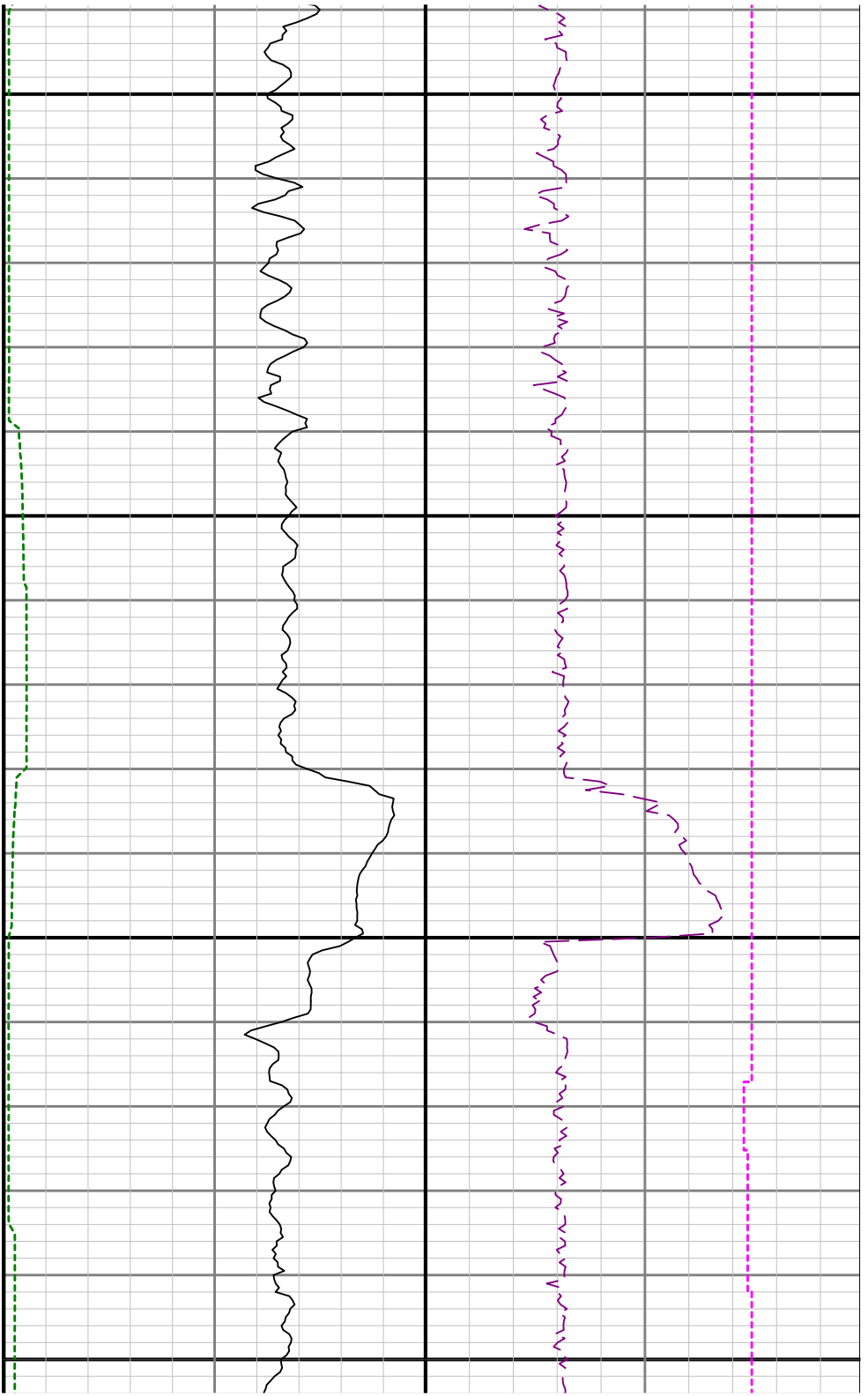


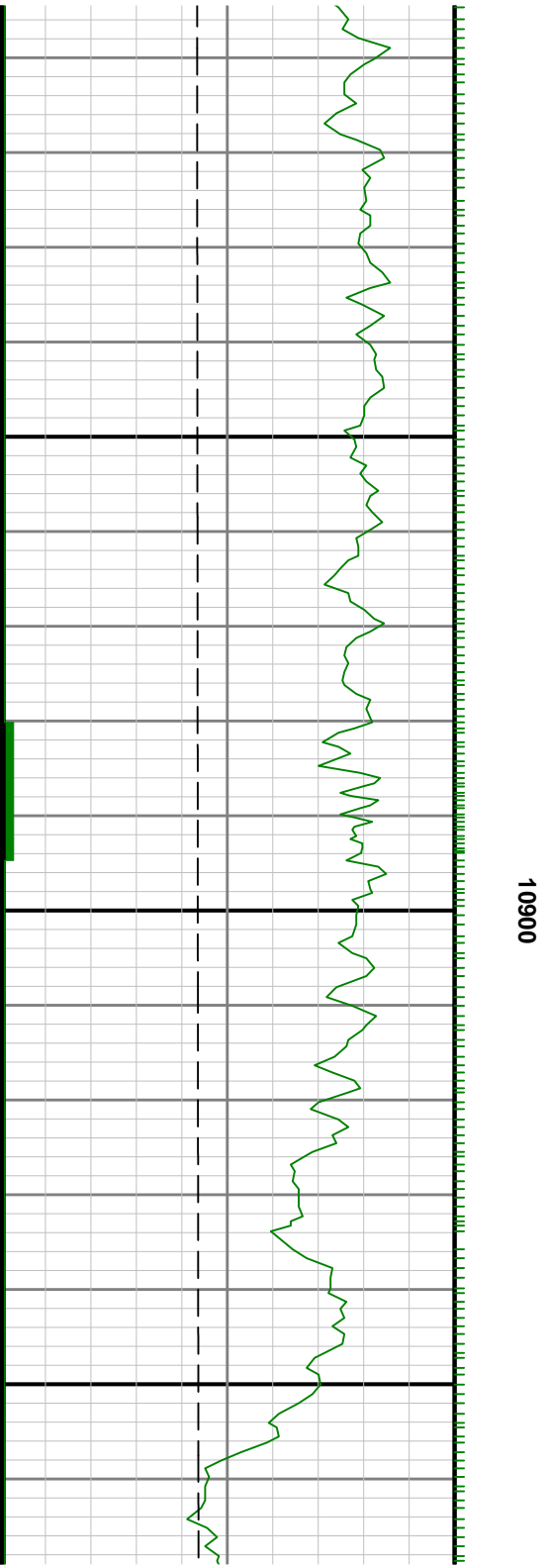
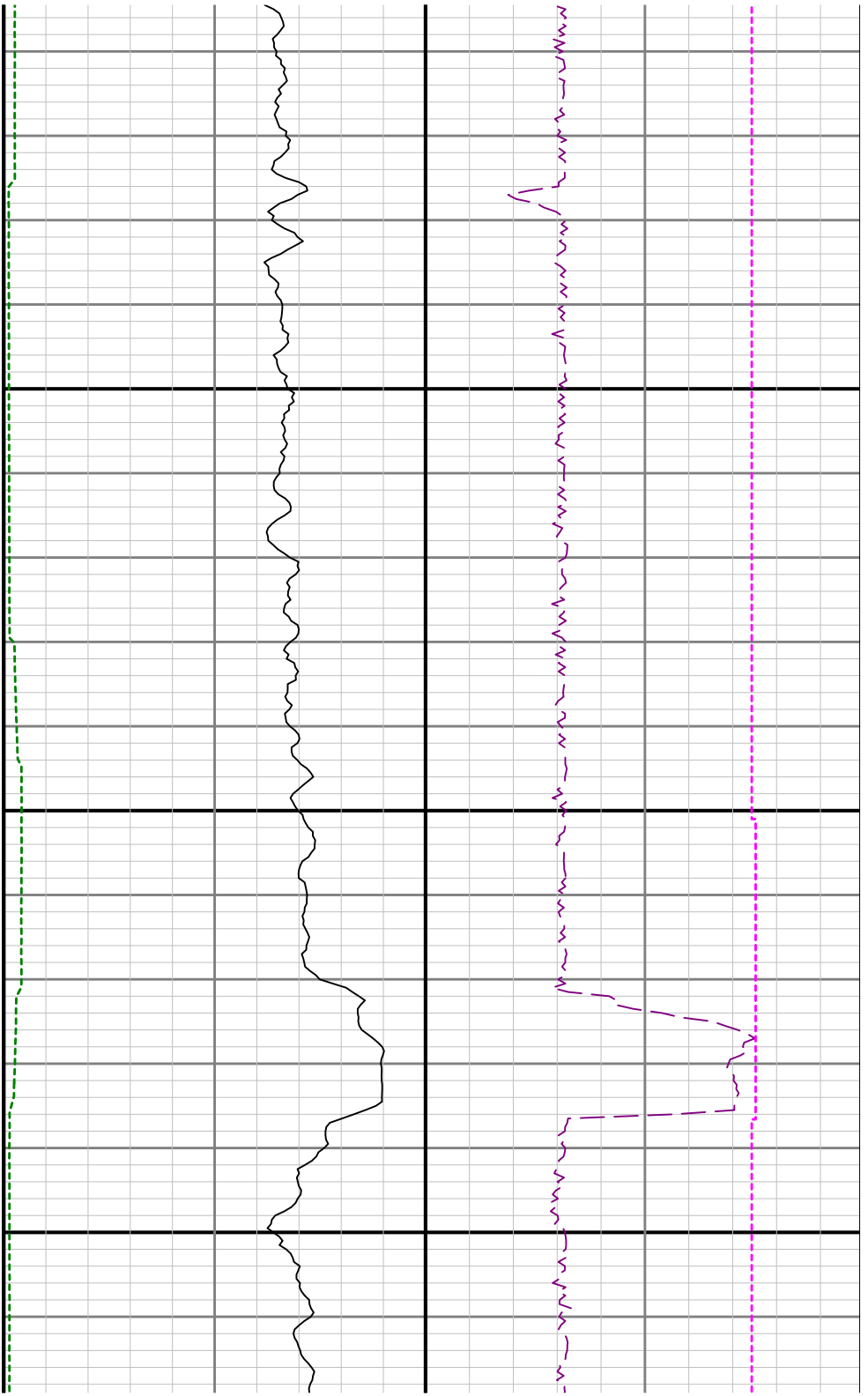


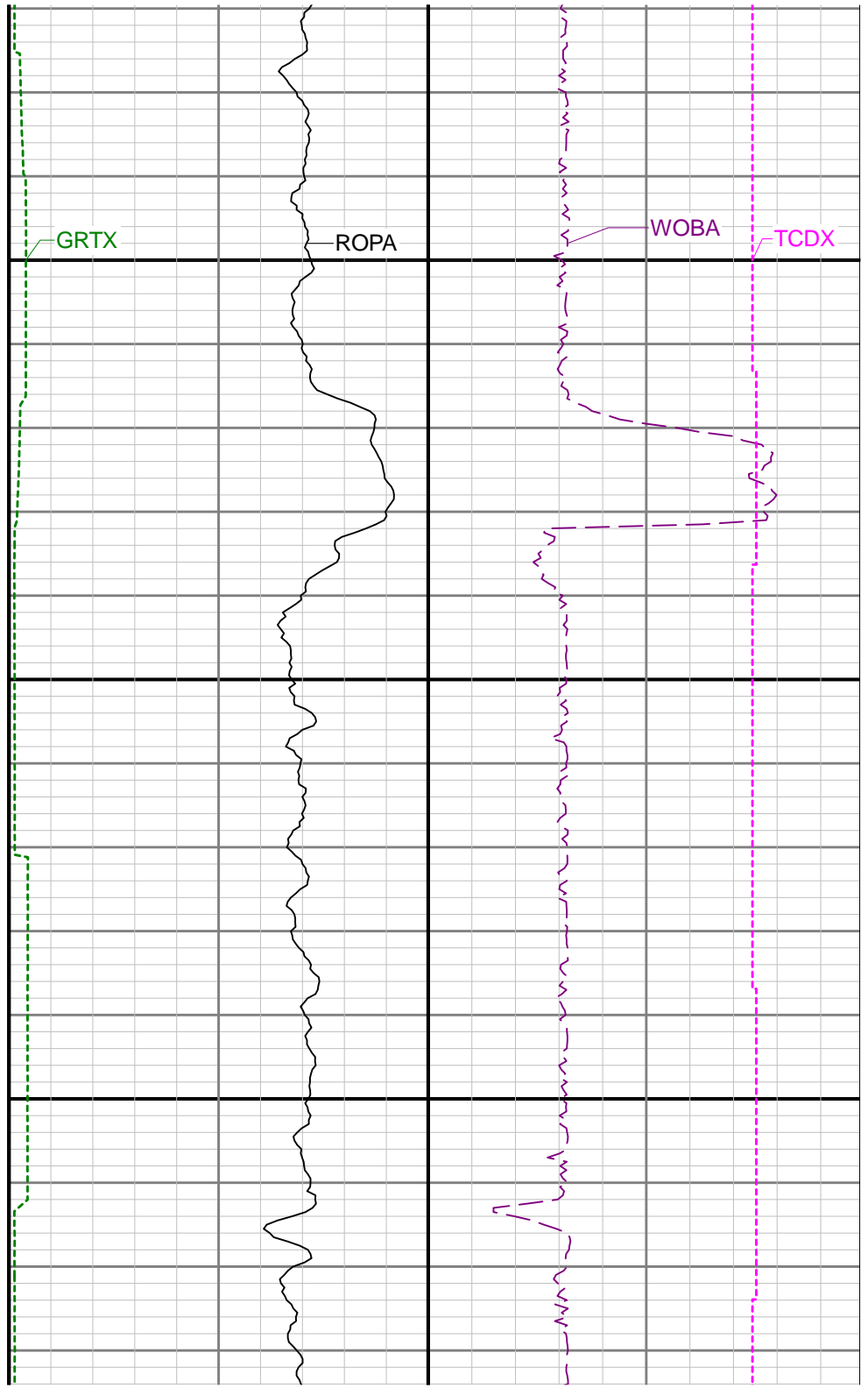
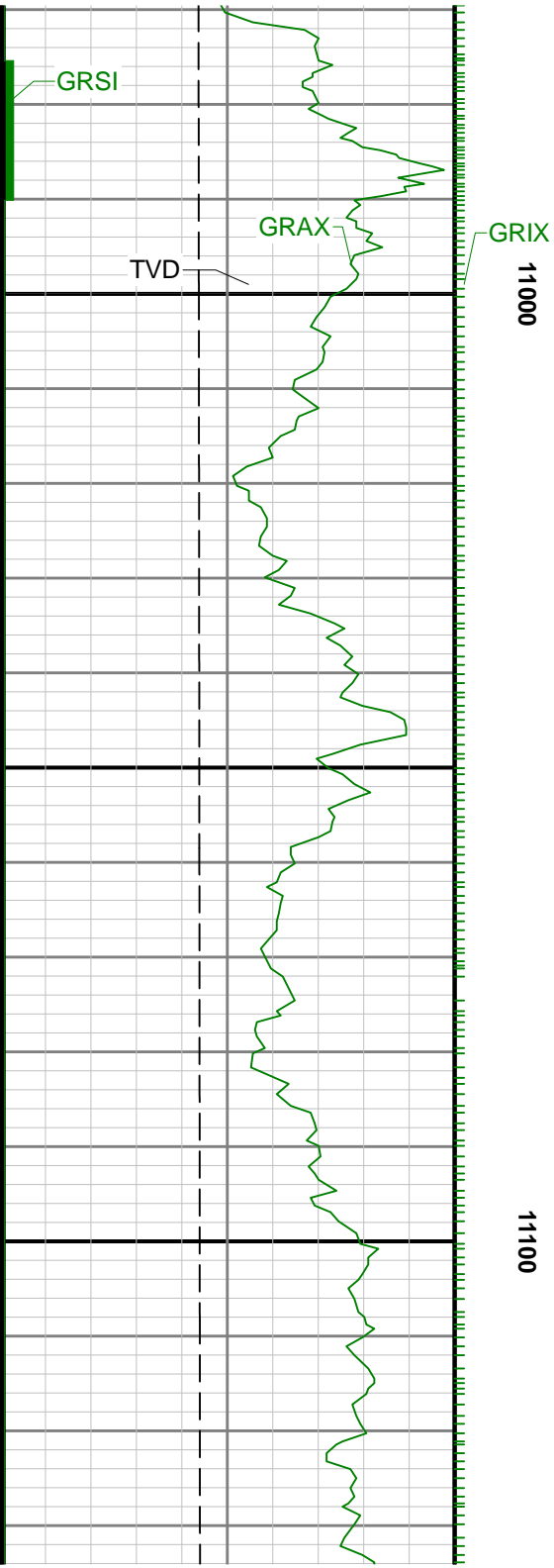


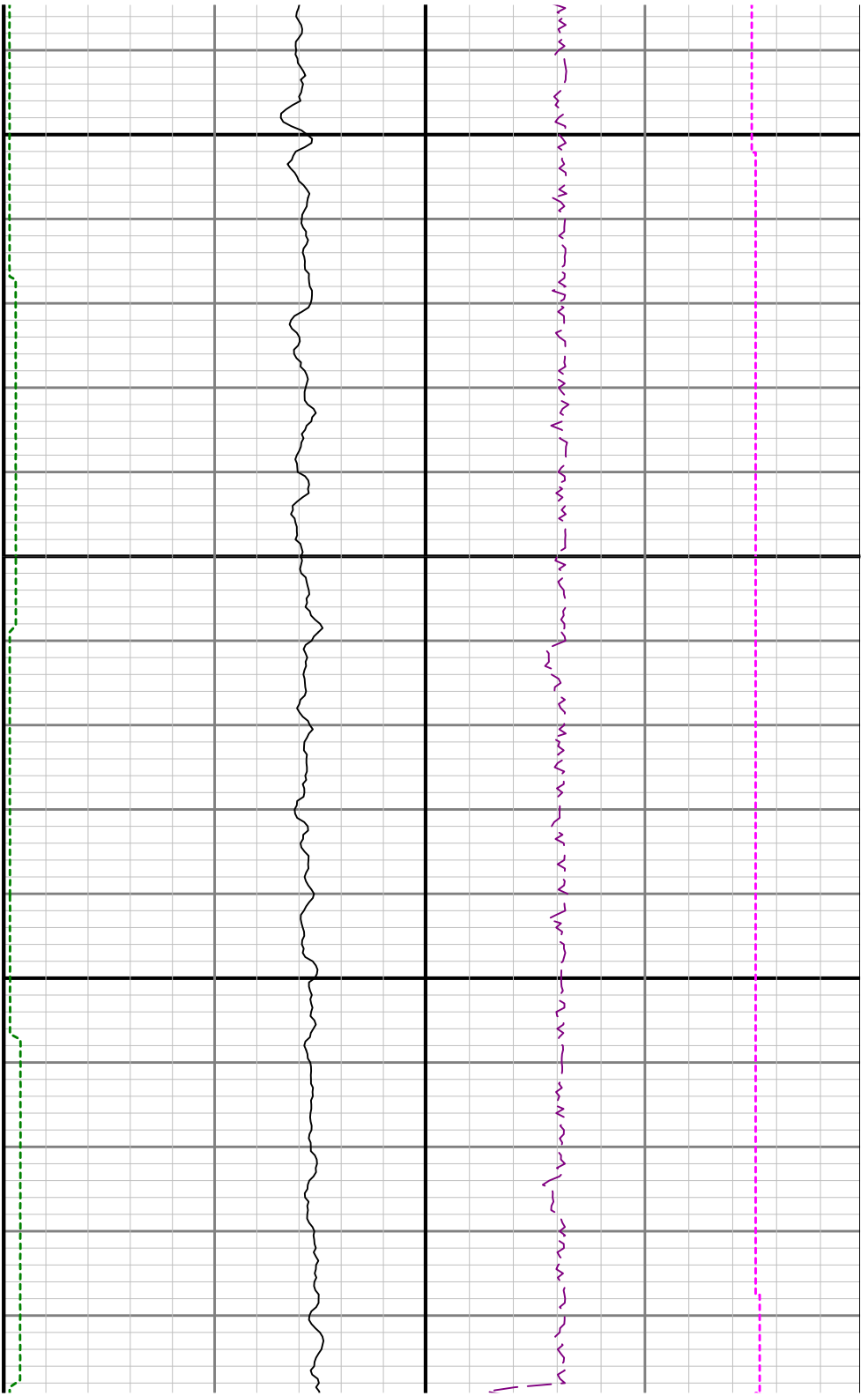






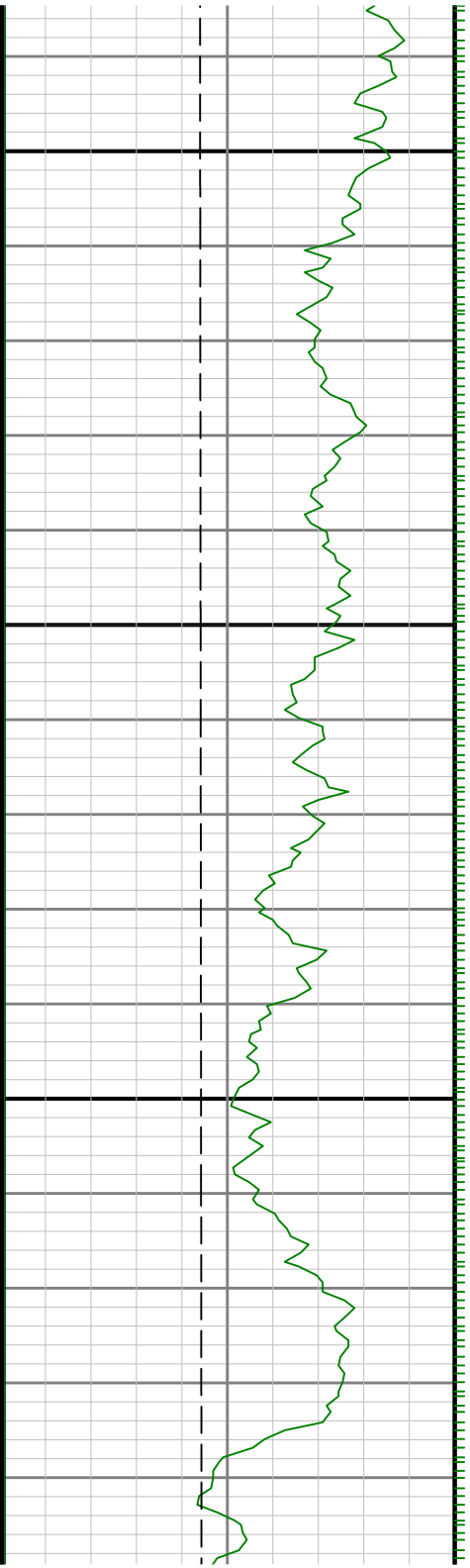


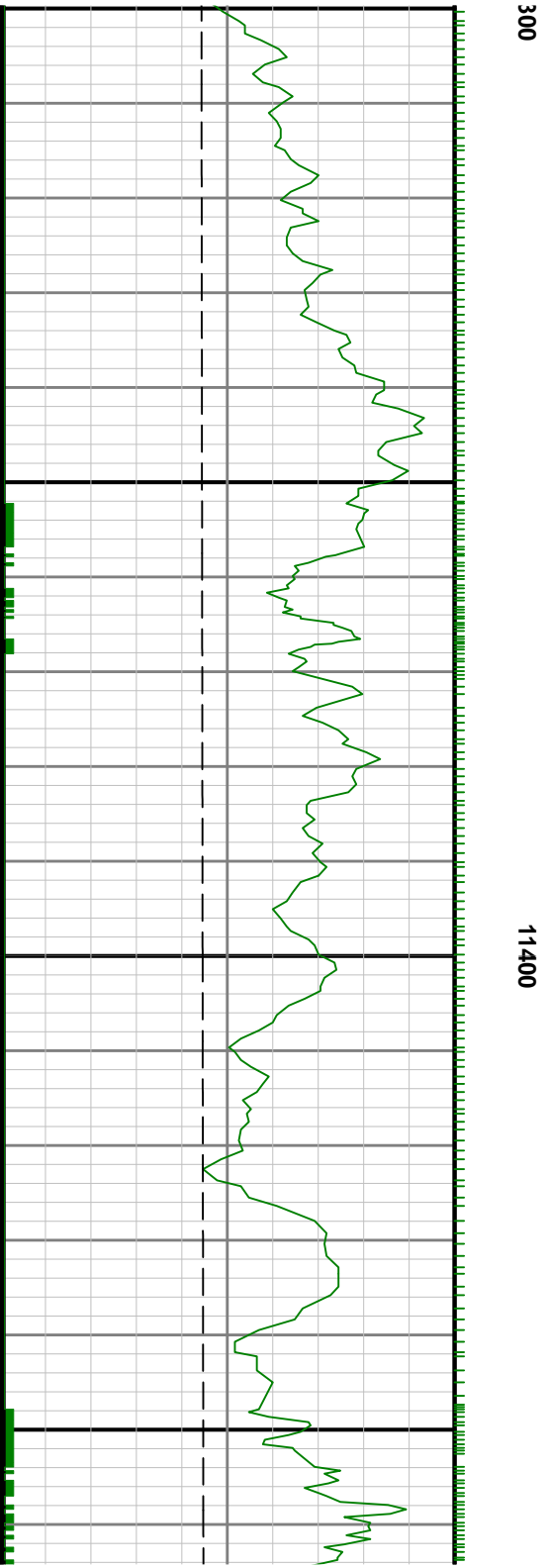
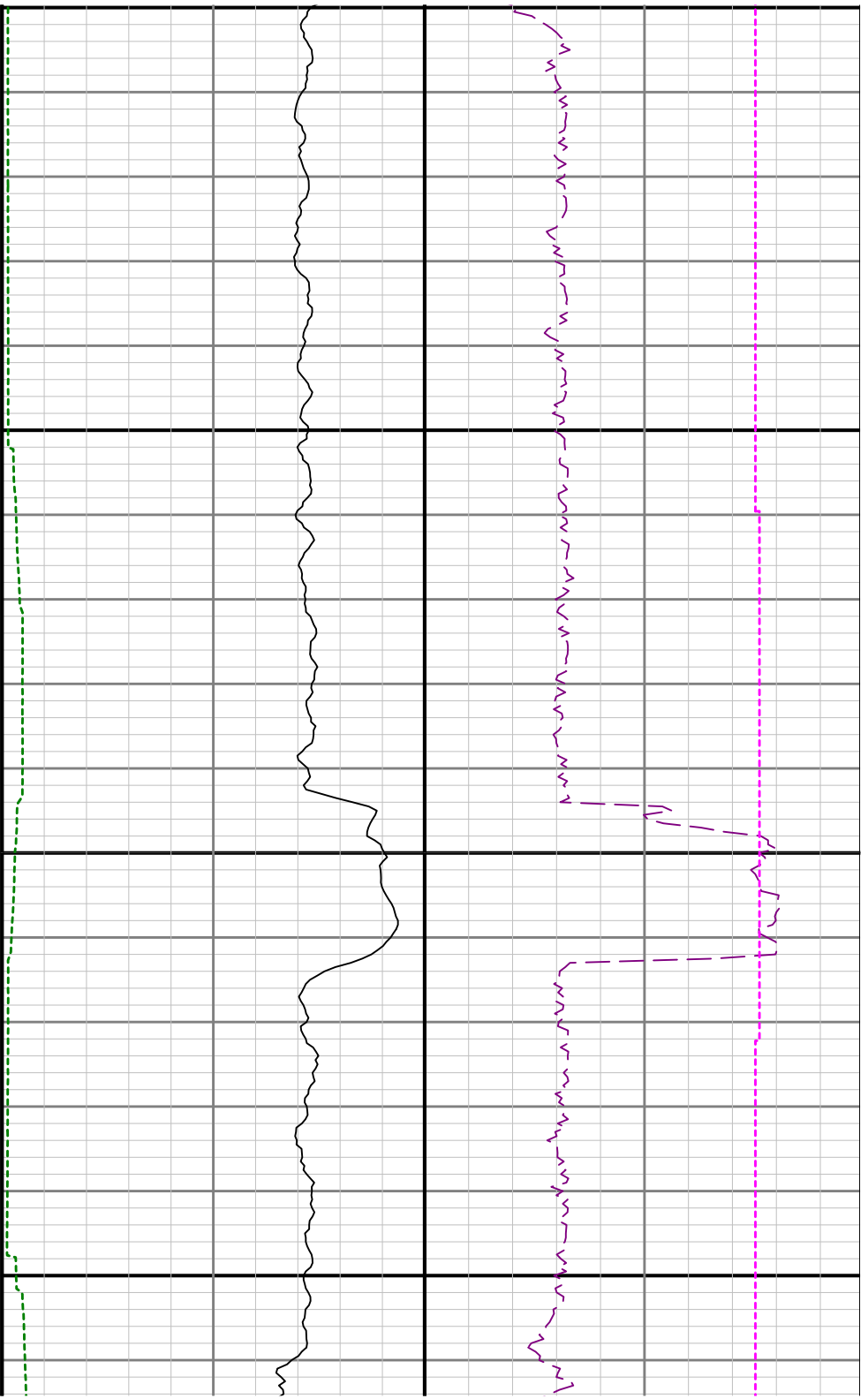




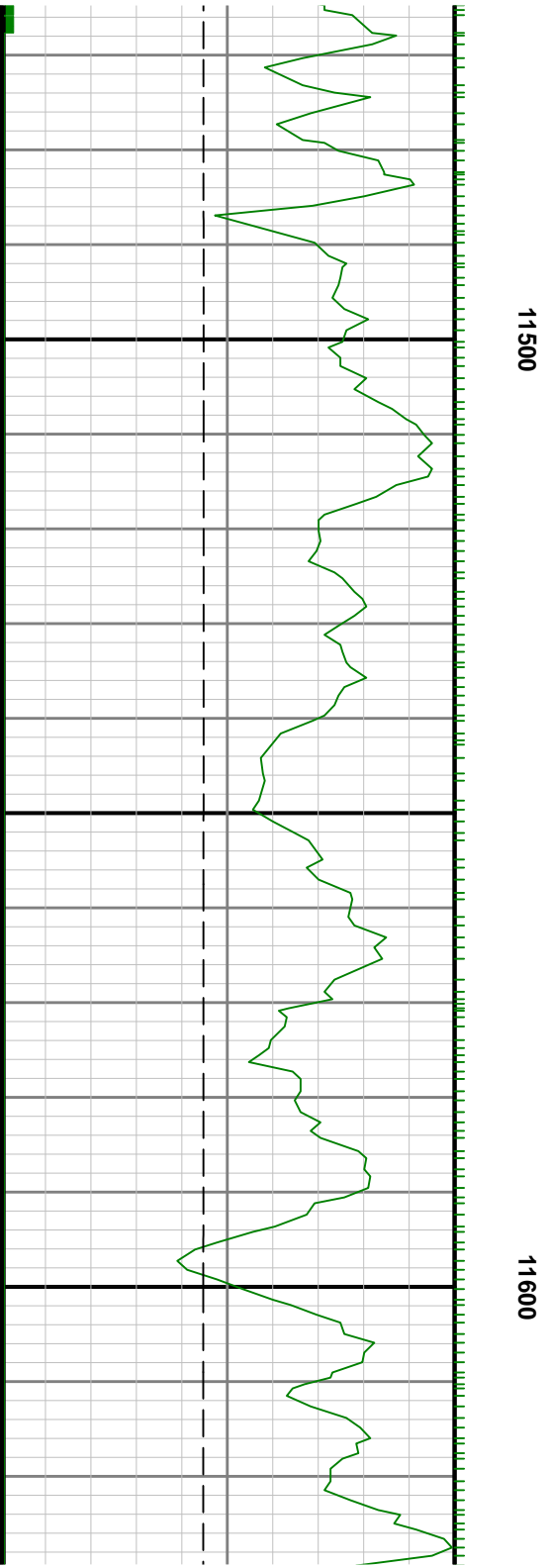
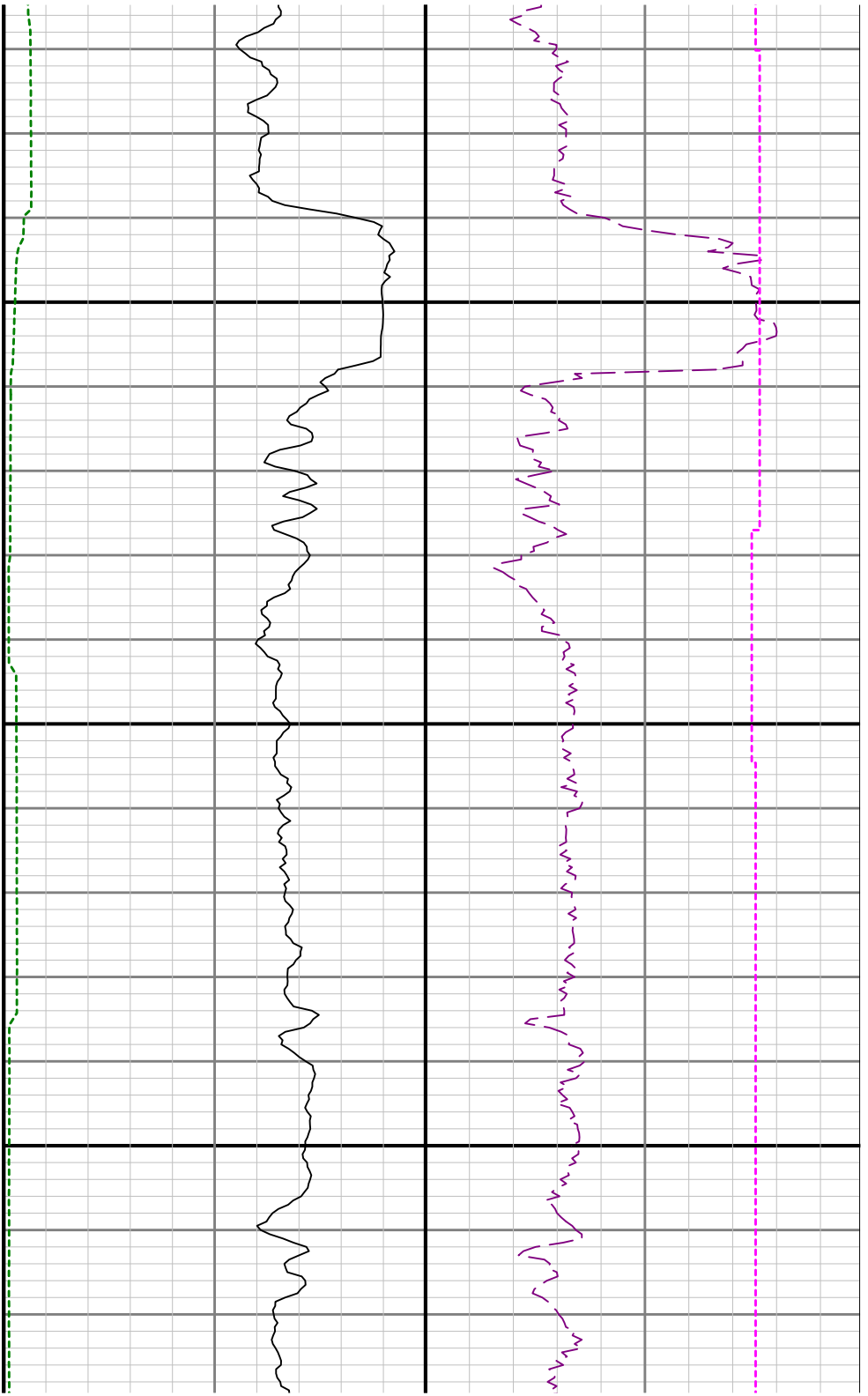
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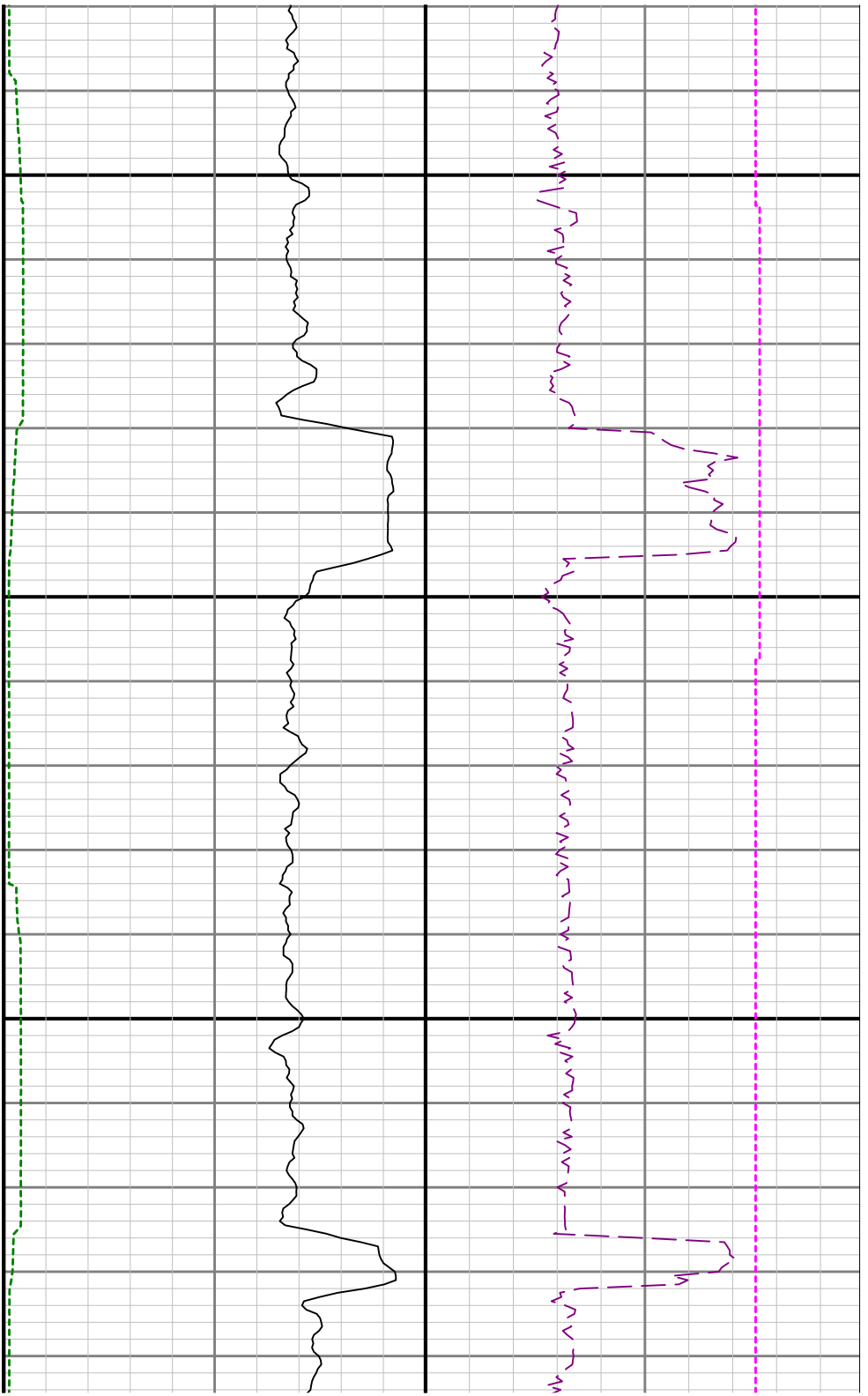
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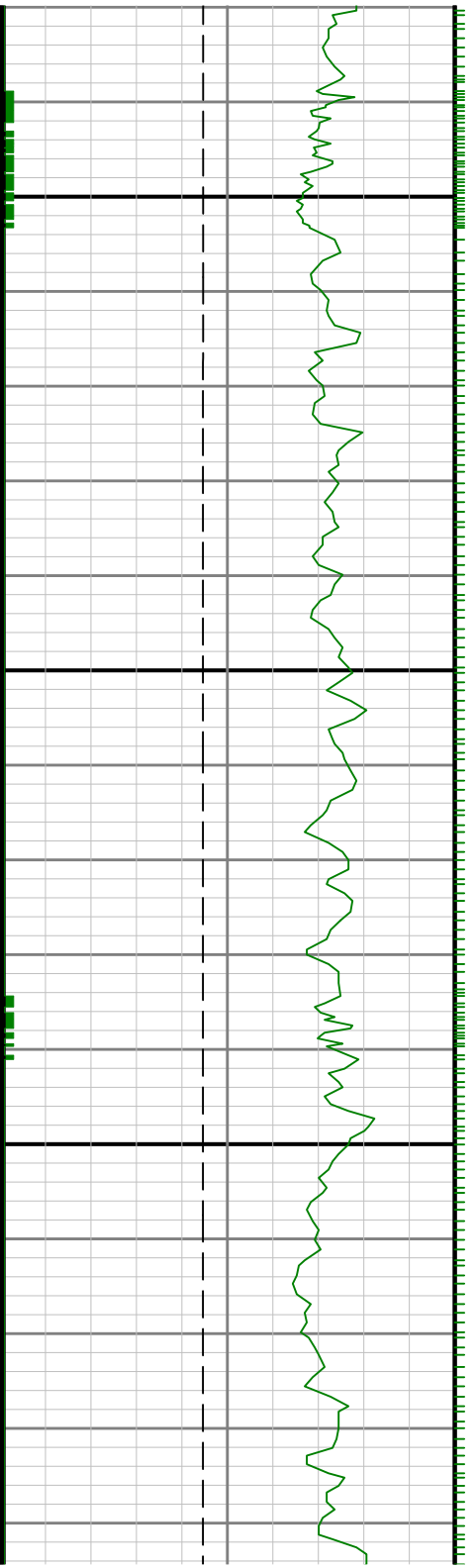


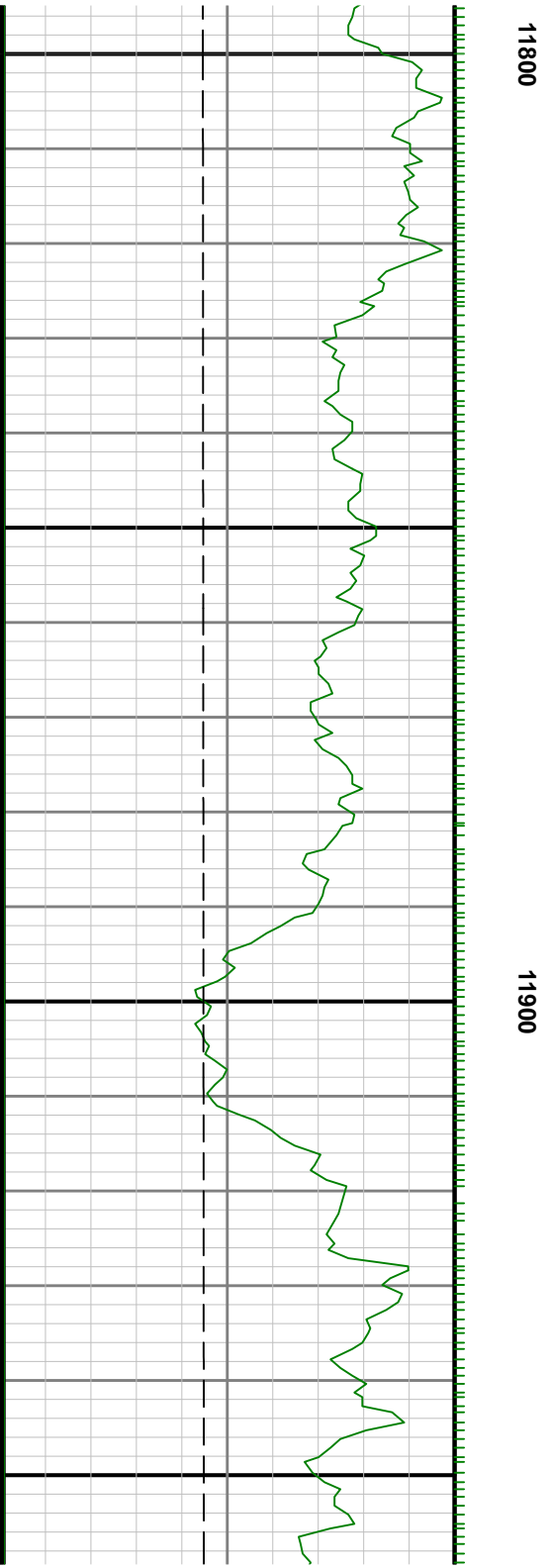


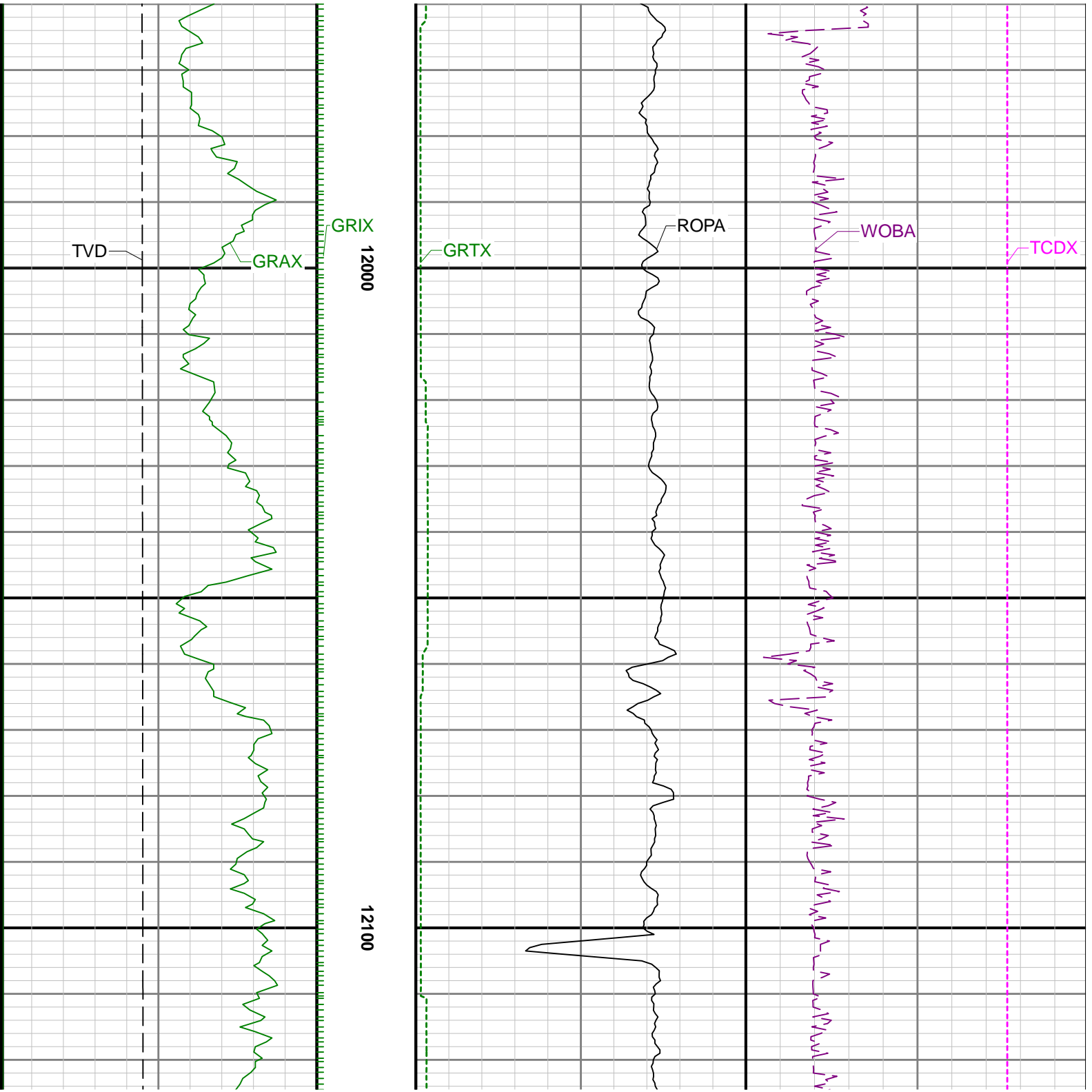




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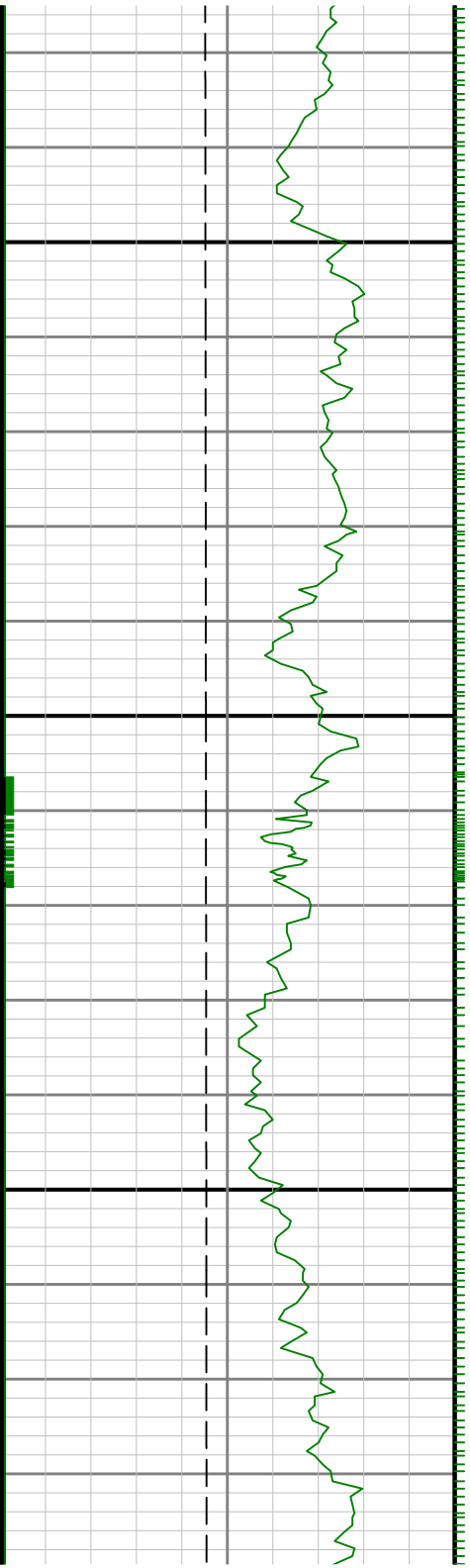


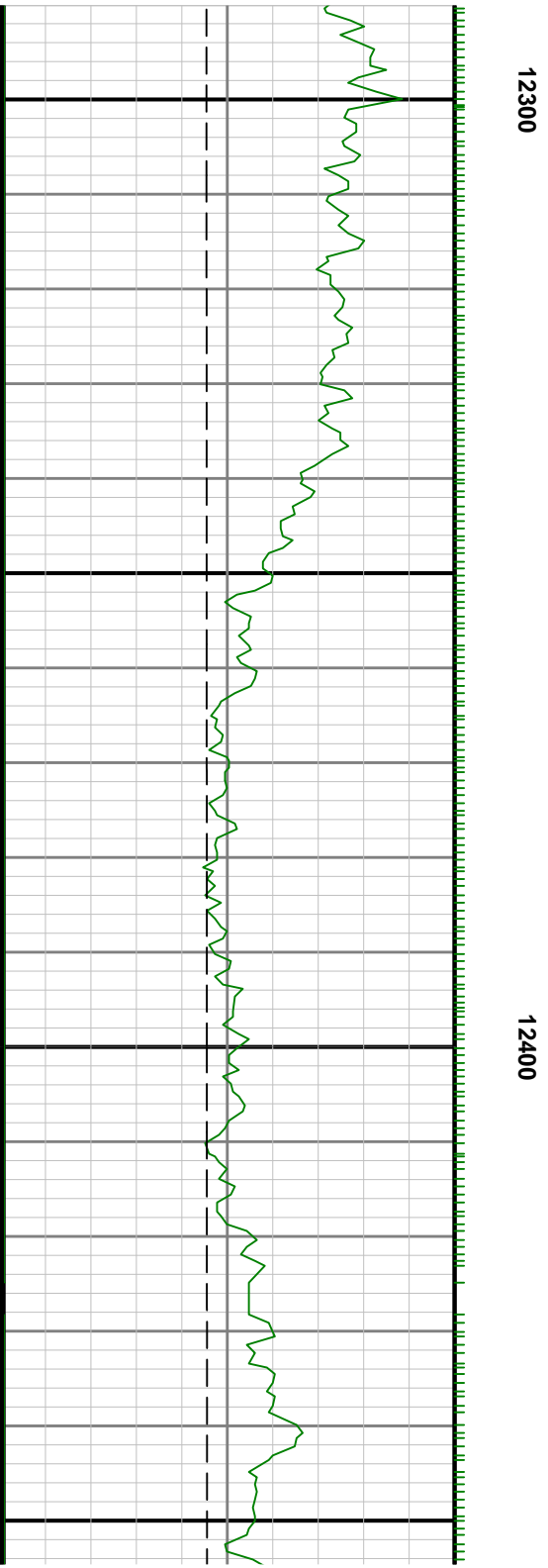


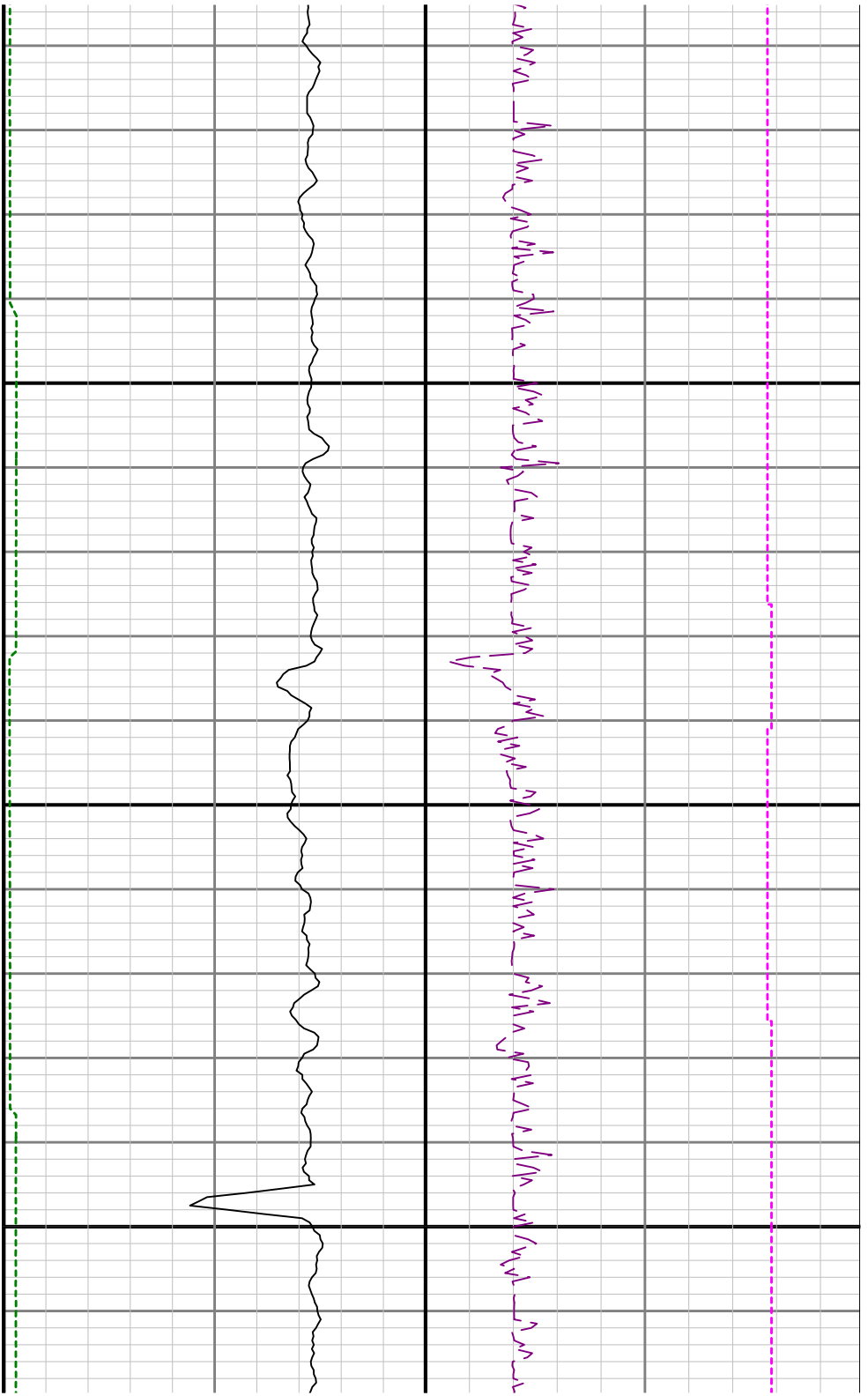




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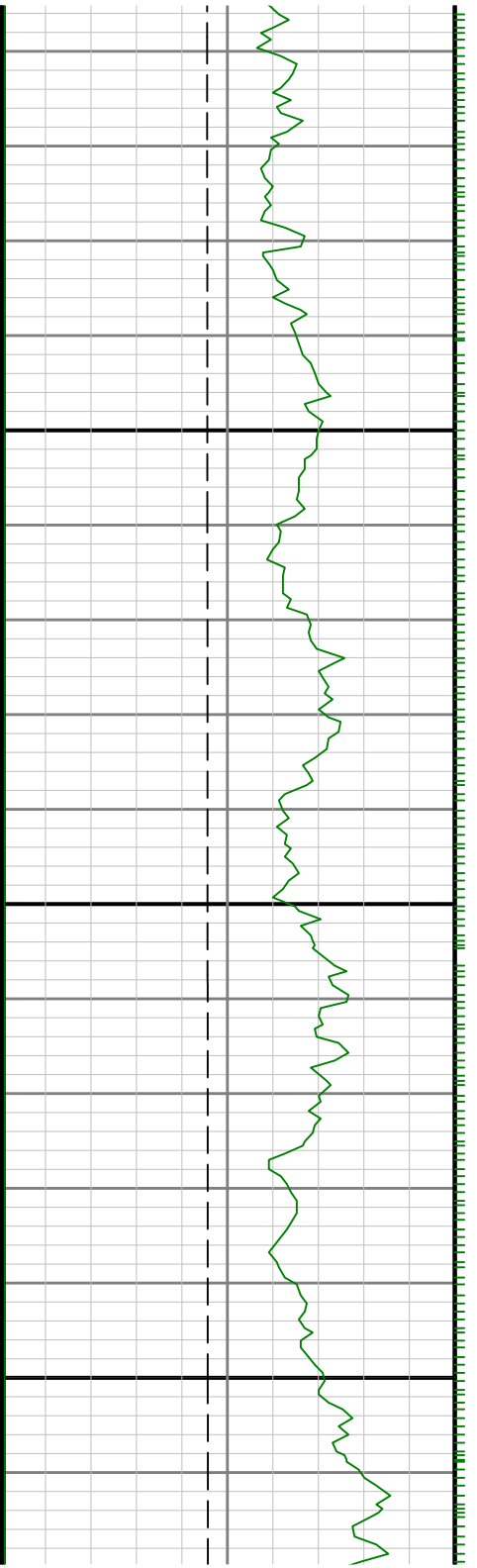


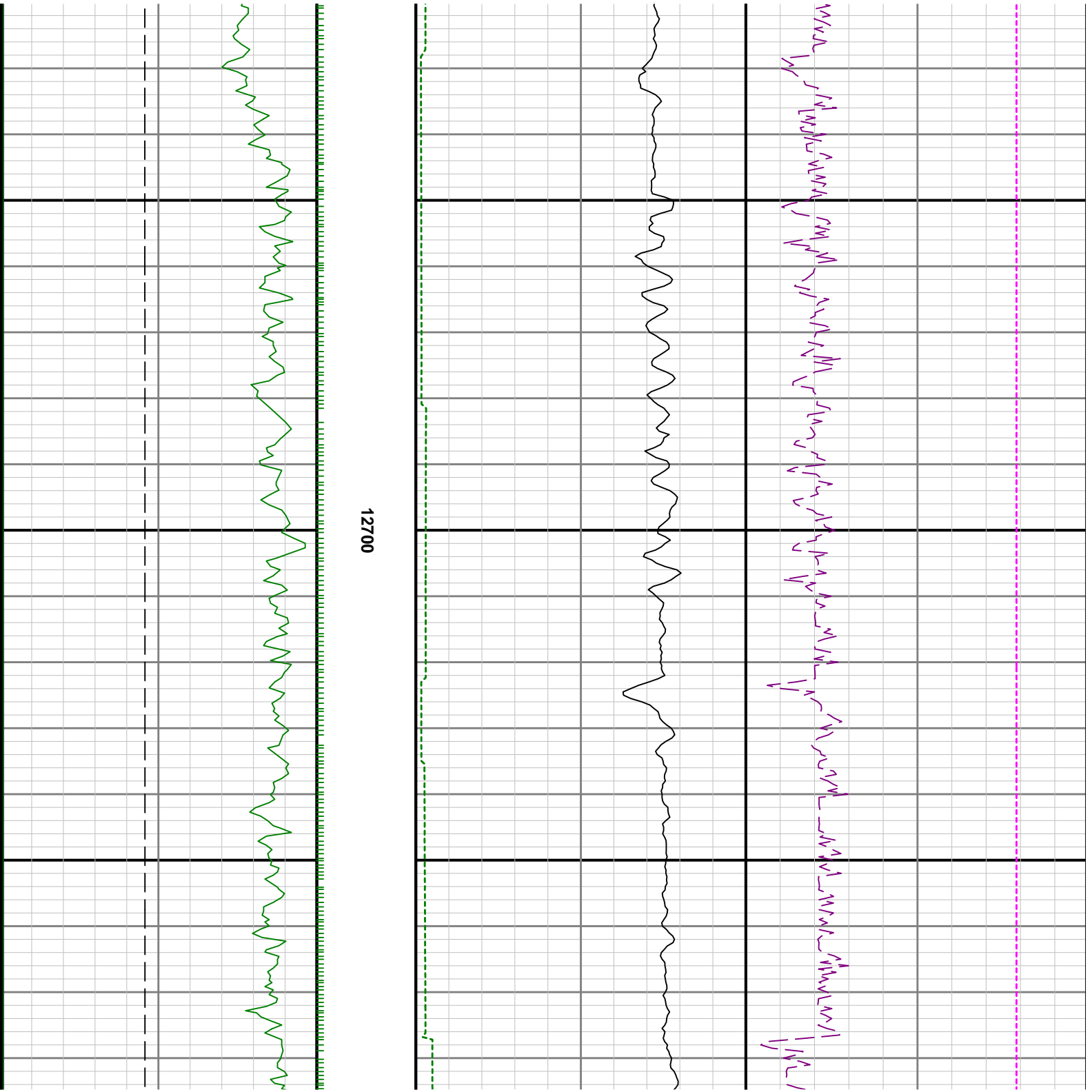


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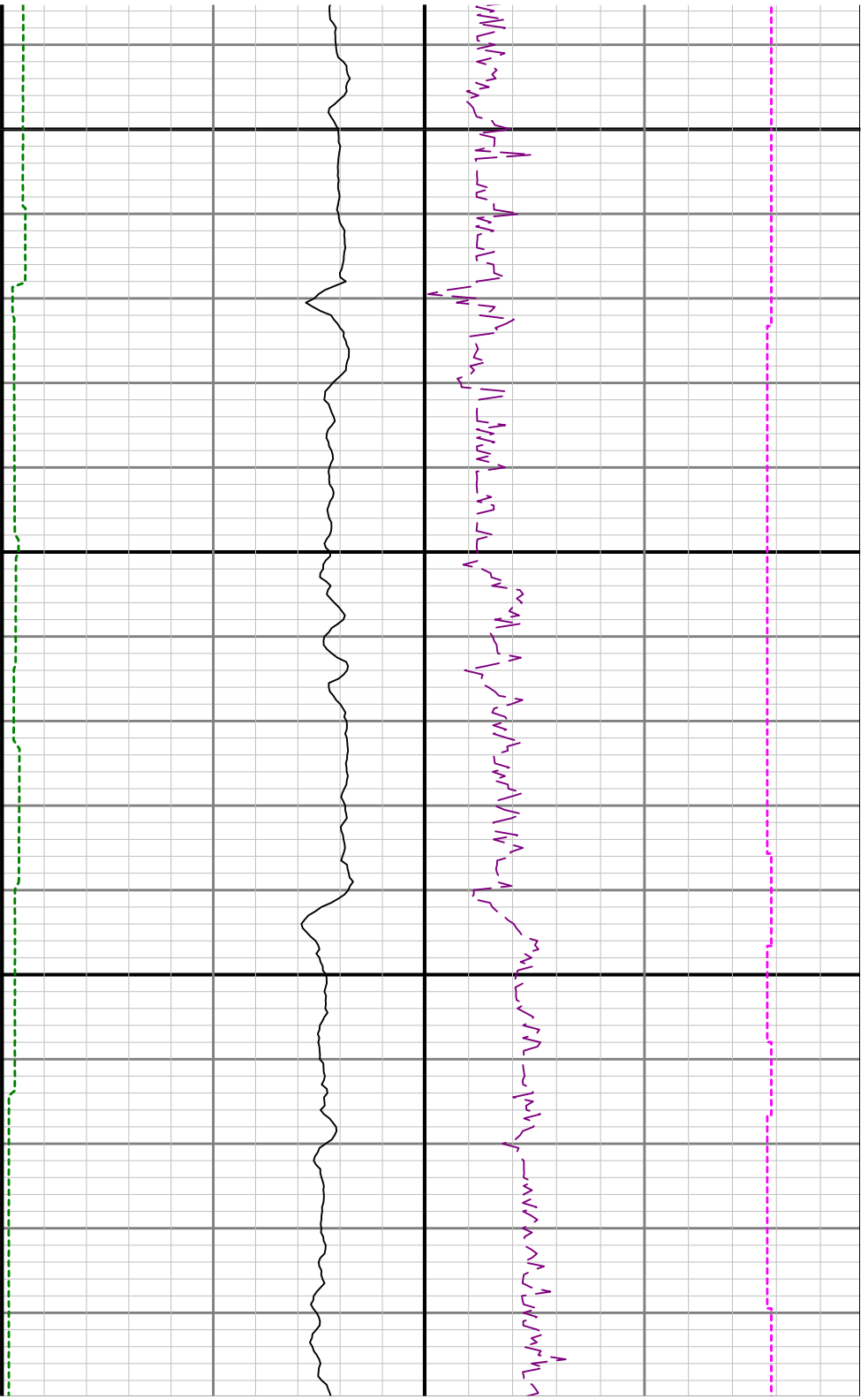
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**12800**

12900

