





2	ATC_SU	12194646	Near Bit Inclination	5.93	6.58	7.000	4.330
2	ATC_SU	12194646	Near Bit VSS	5.93	6.58	7.000	4.330
2	ATC_MWD	12154124	Gamma (single)	2.20	12.20	7.000	3.250
2	ATC_MWD	12154124	Directional (mag)	12.27	22.27	7.000	3.250
3	ATC_SU	11813727	Near Bit VSS	5.93	6.58	7.000	4.330
3	ATC_SU	11813727	Near Bit Inclination	5.93	6.58	7.000	4.330
3	ATC_MWD	12473747	Gamma (single)	2.75	12.75	7.000	3.250
3	ATC_MWD	12473747	Directional (mag)	12.27	22.27	7.000	3.250

### Service and Tool Mnemonics

Mnemonic	Name	Description
GAM	NaviGamma	Probe Based Gamma Module, NaviTrak Platform
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

- Depth measurements were obtained from a depth control system not supplied by or operated by Baker Hughes INTEQ. Due to lack of control by Baker Hughes INTEQ logging engineers, depth calibrations and measurements could not be independently verified and the unverified depths as supplied to INTEQ are being used to present logging data.
- Various intervals of missing logging data are a result of downlinking while drilling.
- Baker Hughes INTEQ run 1 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind a 13 1/2 inch bit and steerable assembly from 23 to 1555 feet MD (23 to 1526 TVD).
- Baker Hughes INTEQ runs 2 and 3 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 3/4 inch bit and rotary steerable assembly from 1555 to 11673 feet MD (1526 to 6832 feet TVD).

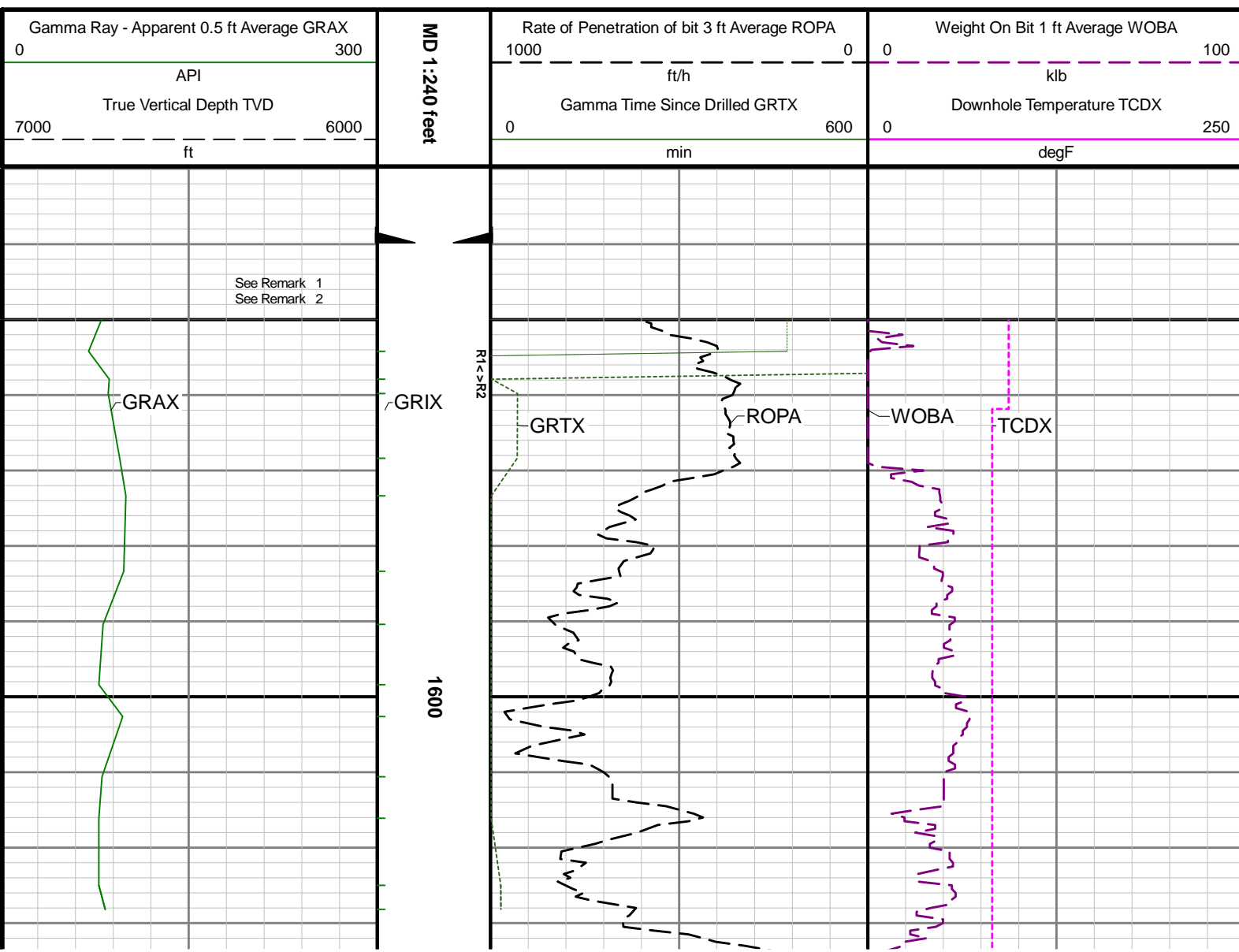
### Remarks

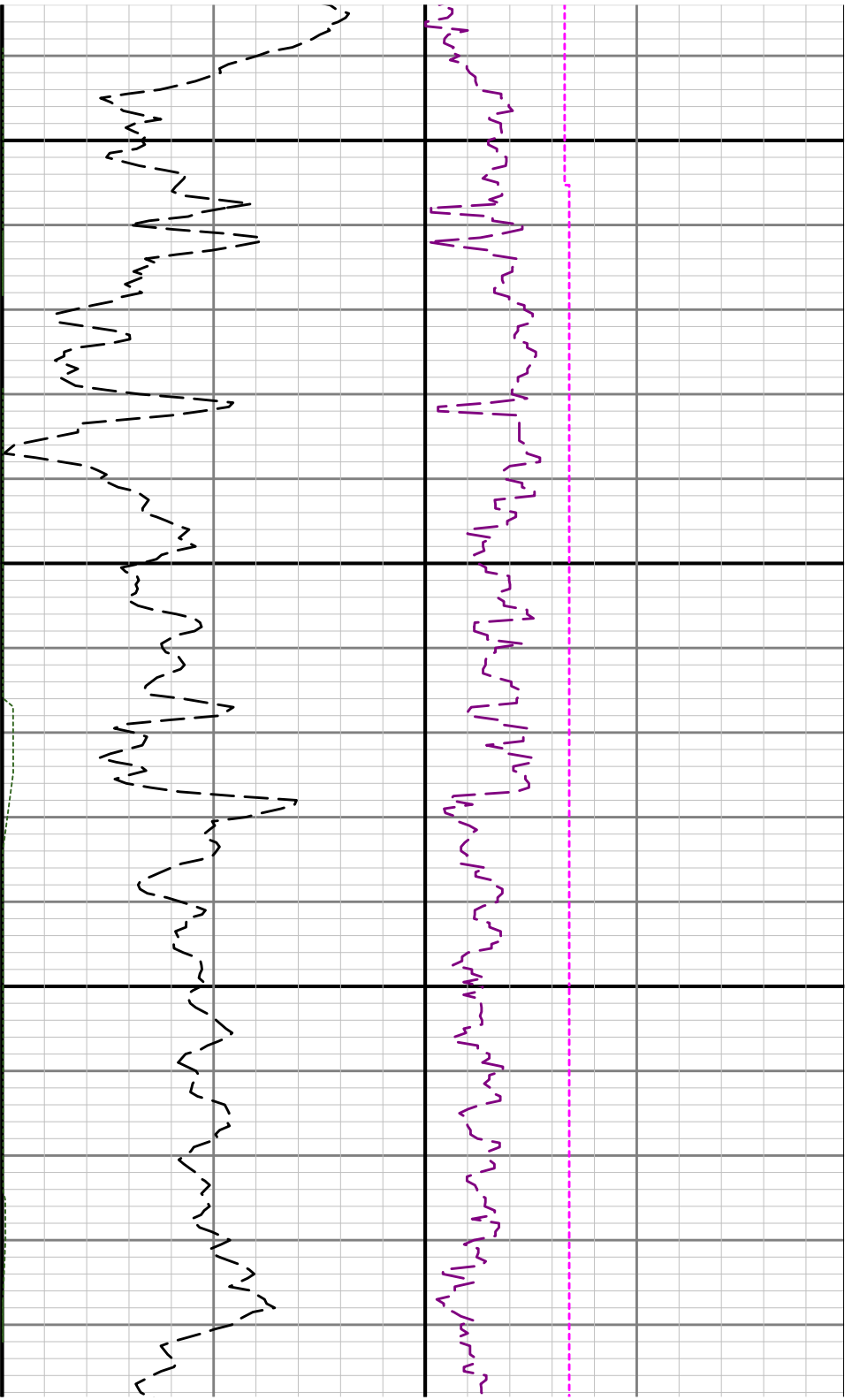
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	1550.00	8.750	2	Gamma Ray logging begins at 1550 feet MD (1526 feet TVD) as per client request.
2	1550.00	8.750	2	The interval from 1550 to 1555 feet MD (1526 to 1526 feet TVD) was logged up to 2 days after being drilled due to a trip out of the hole to change BHA.
3	10037.73	8.750	3	The interval from 10020 to 10053 feet MD (6832 to 6832 feet TVD) was logged up to 16.1 hours after being drilled due to a trip out of the hole caused by downhole motor failure.
4	11670.00	8.750	3	The interval from 11660 to 11673 feet MD (6832 to 6832 feet TVD) was not logged due to sensor offset at well TD.

### Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h

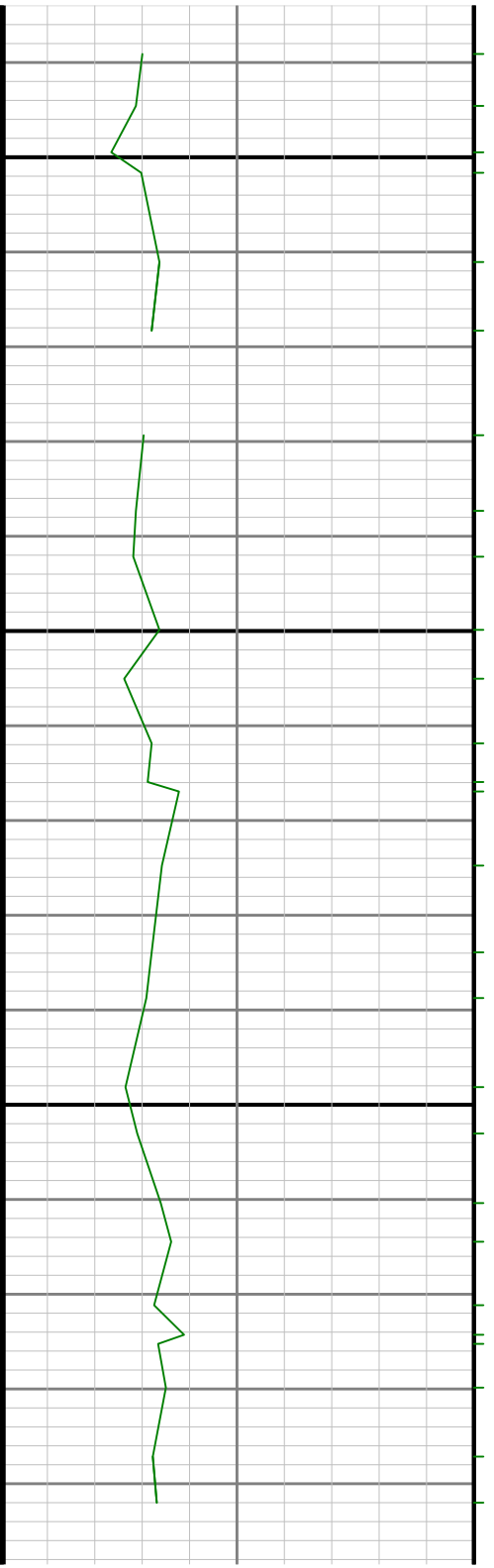
ROPA	Depth Averaged ROP 3 ft Average	ft/n
GRAX	Gamma Ray - Apparent 0.5 ft Average	API
GRIX	Gamma Ray - Data Point Indicator	unitless
GRTX	Gamma Time Since Drilled	min
TCDX	Downhole Temperature	degF
TVD	True Vertical Depth	ft
VS	Vertical section	ft
WOBA	Weight On Bit, Average 1 ft Average	klb





1700

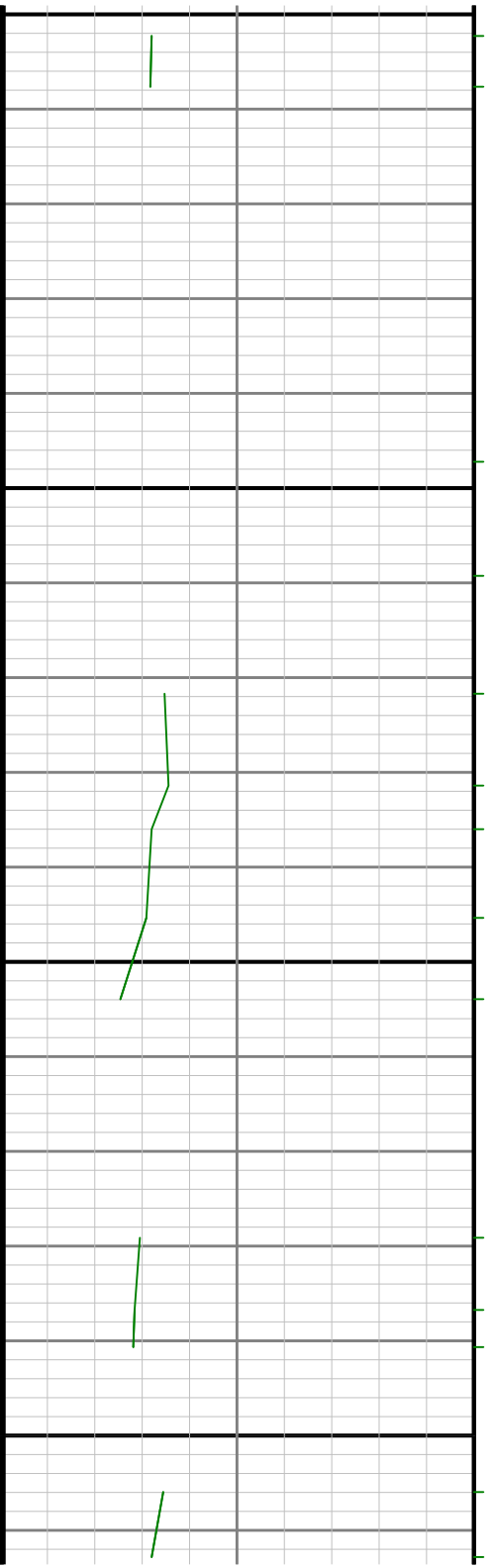
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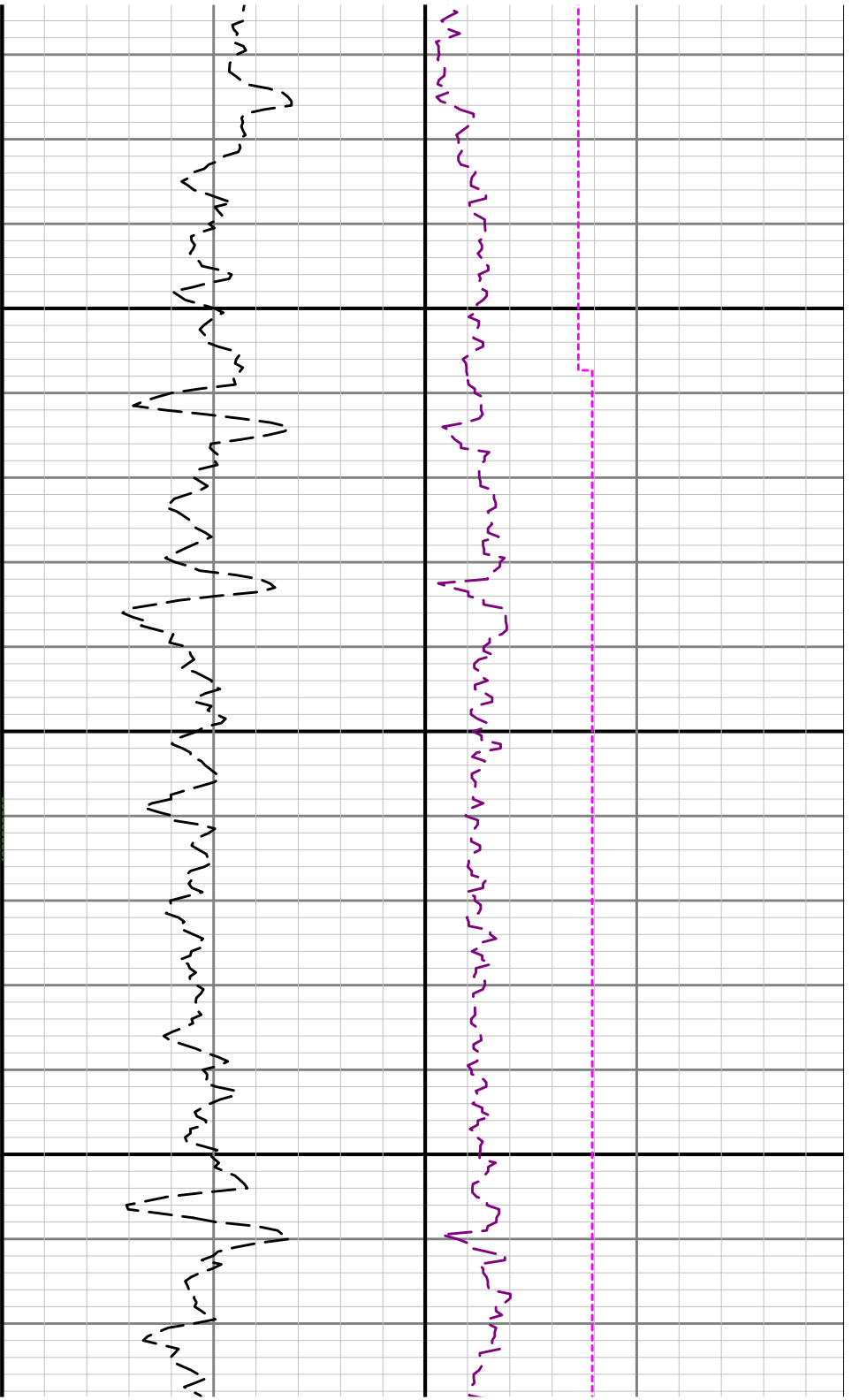




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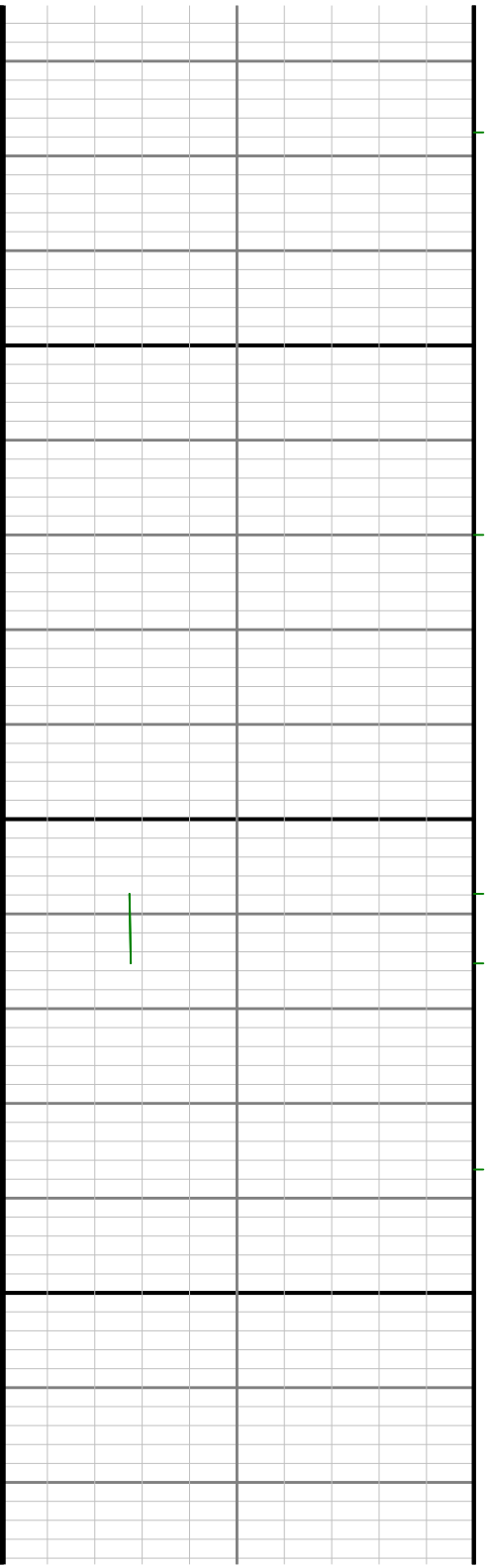
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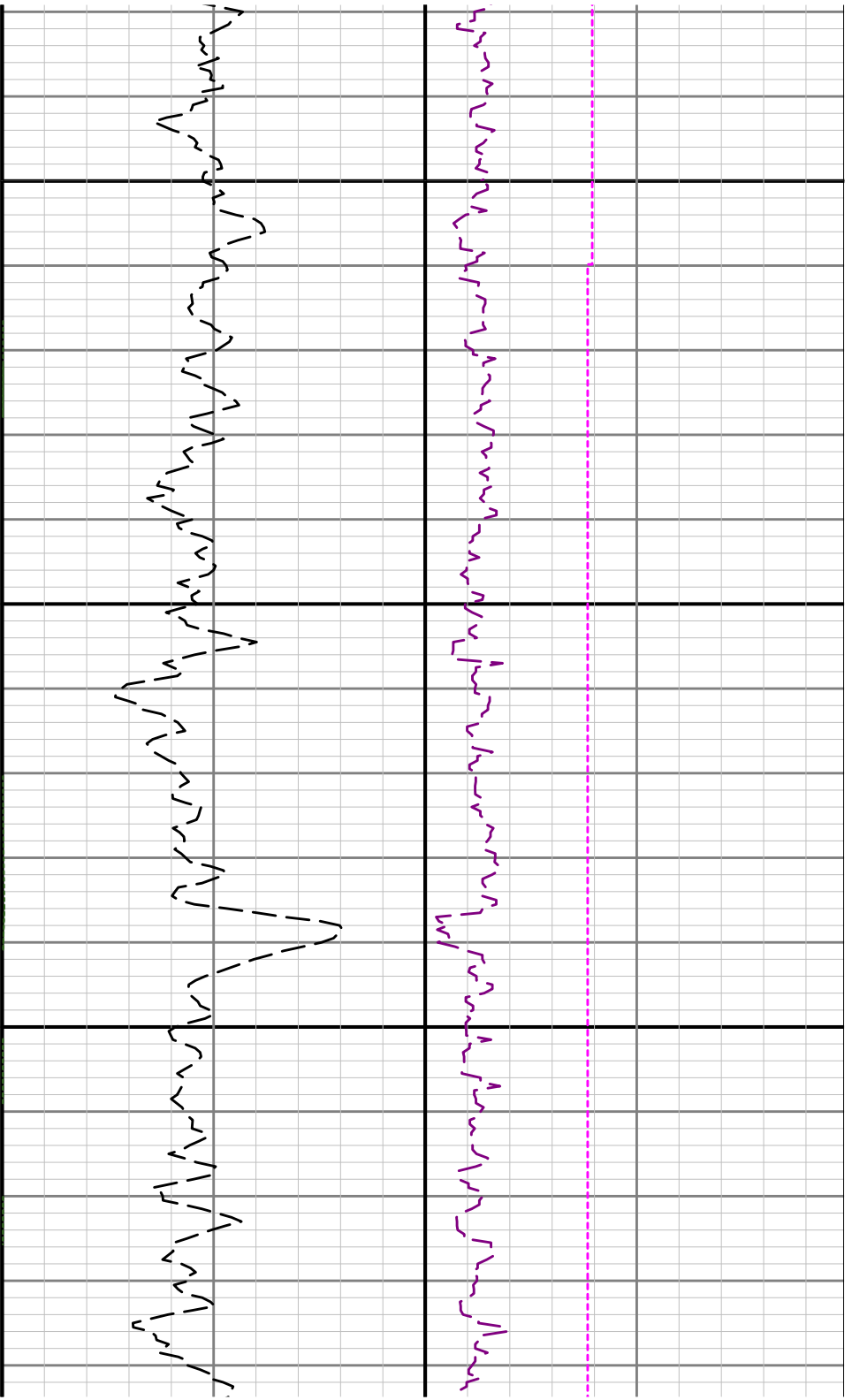




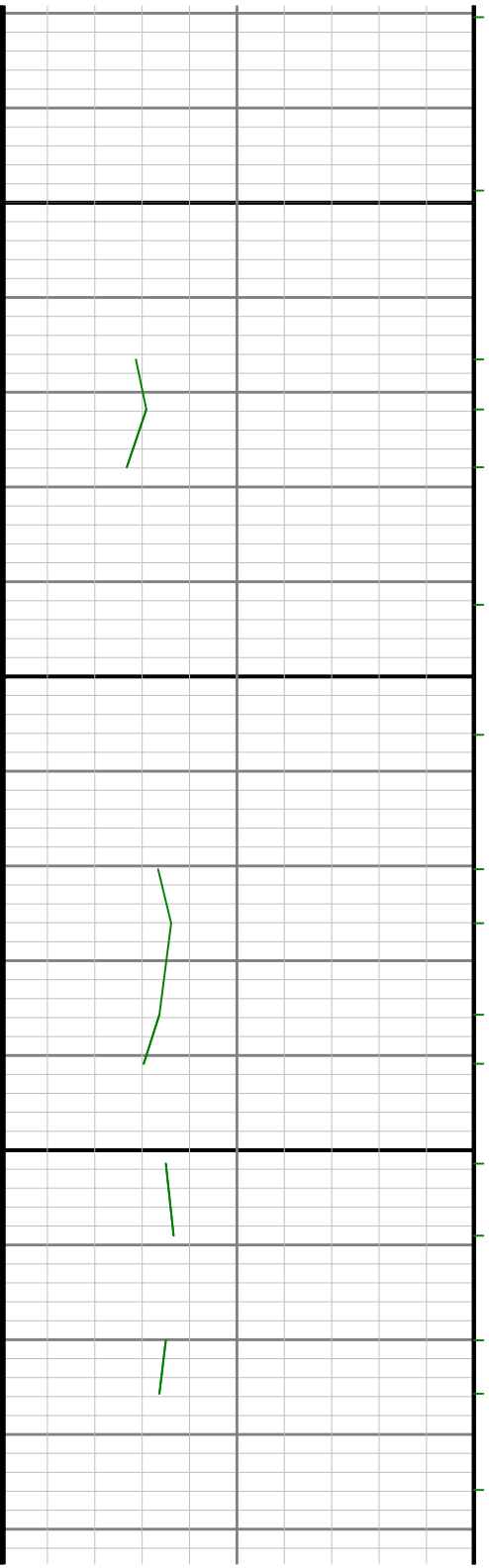
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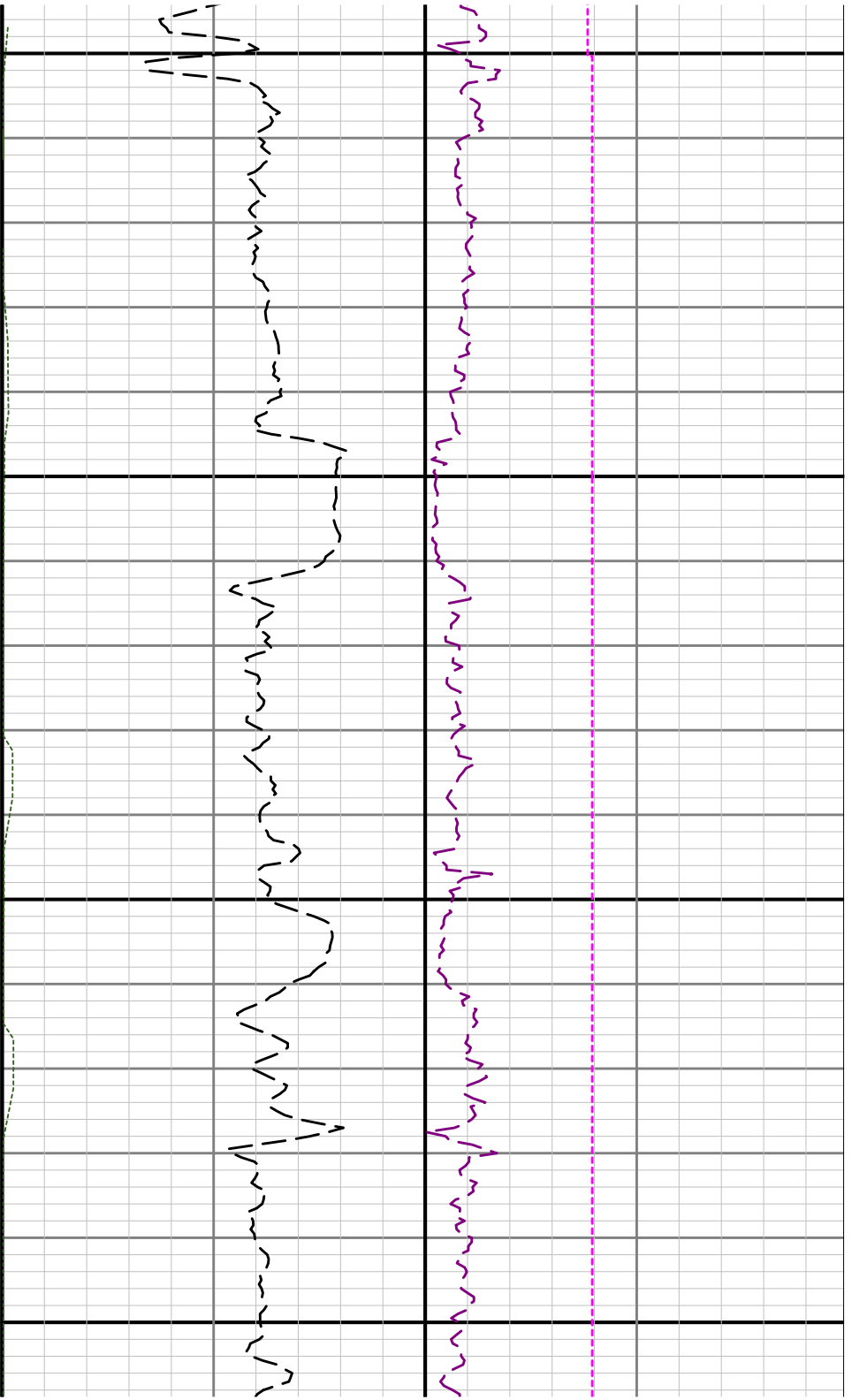
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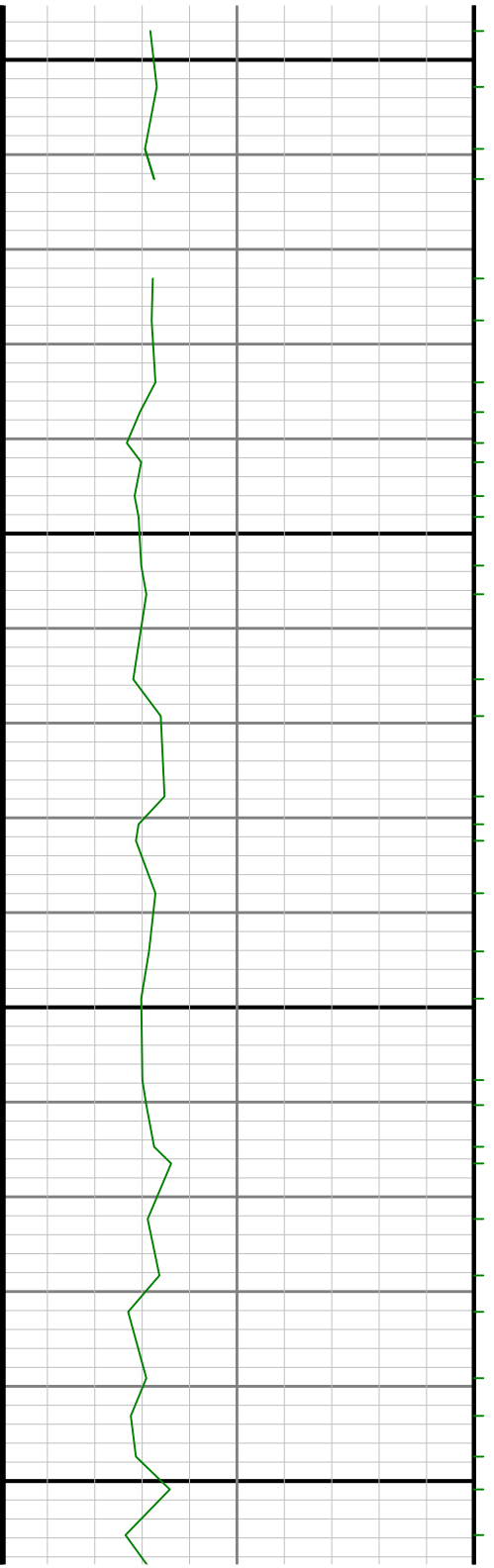
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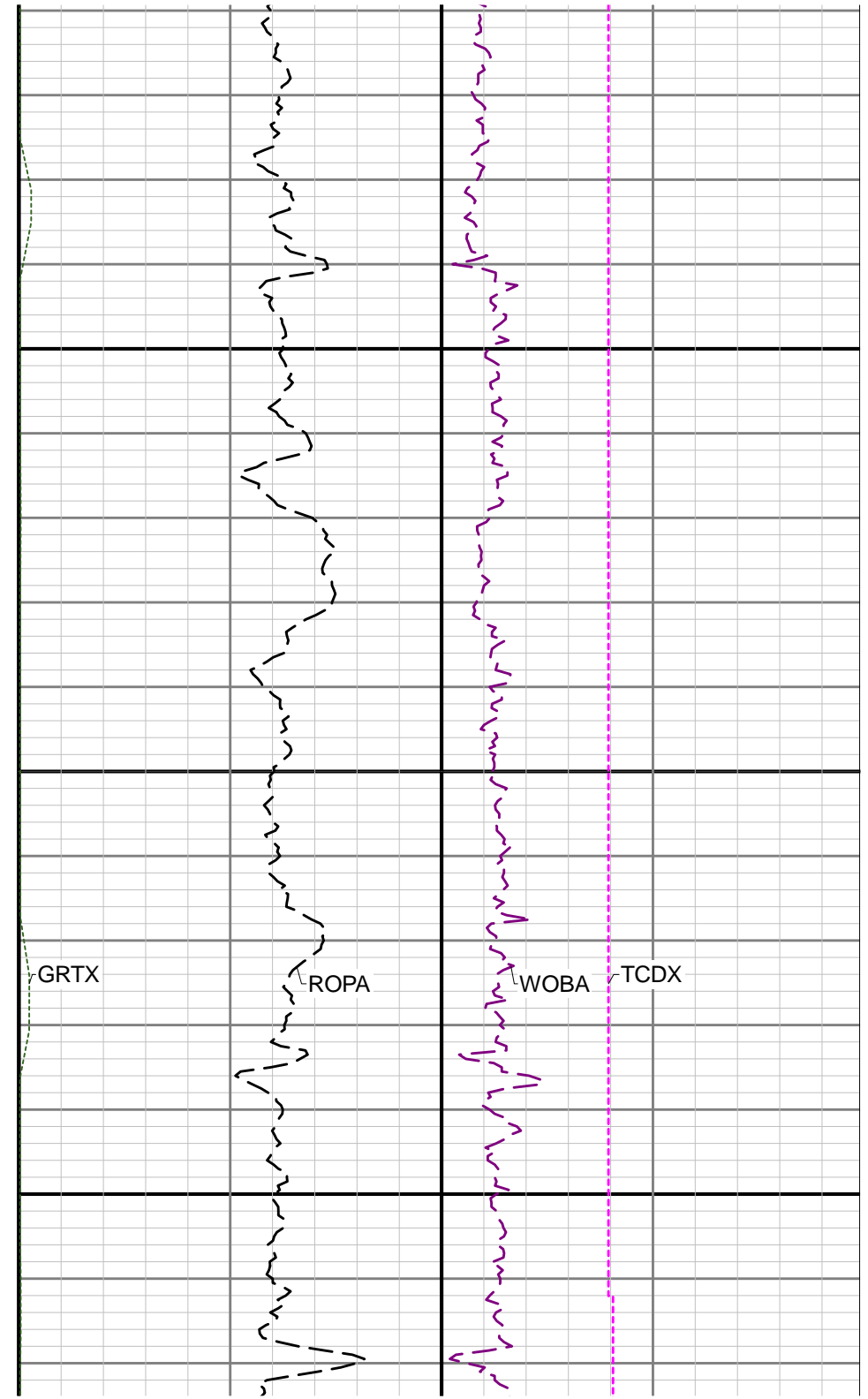
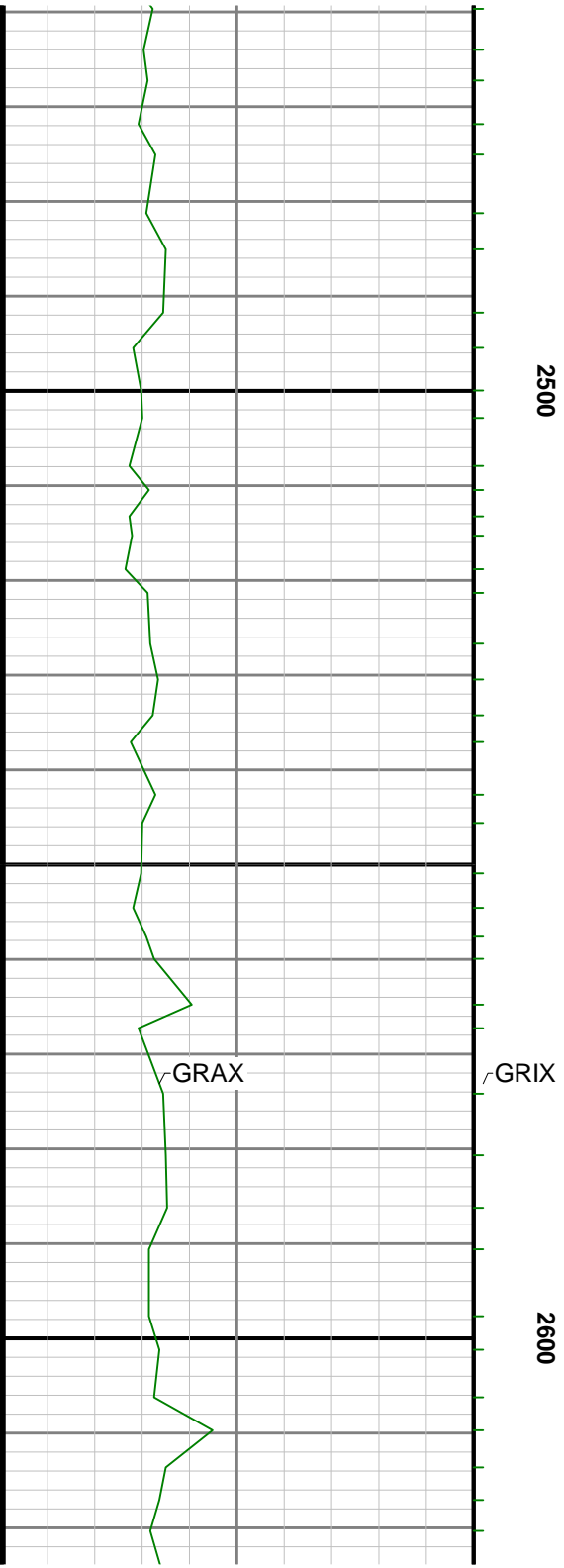


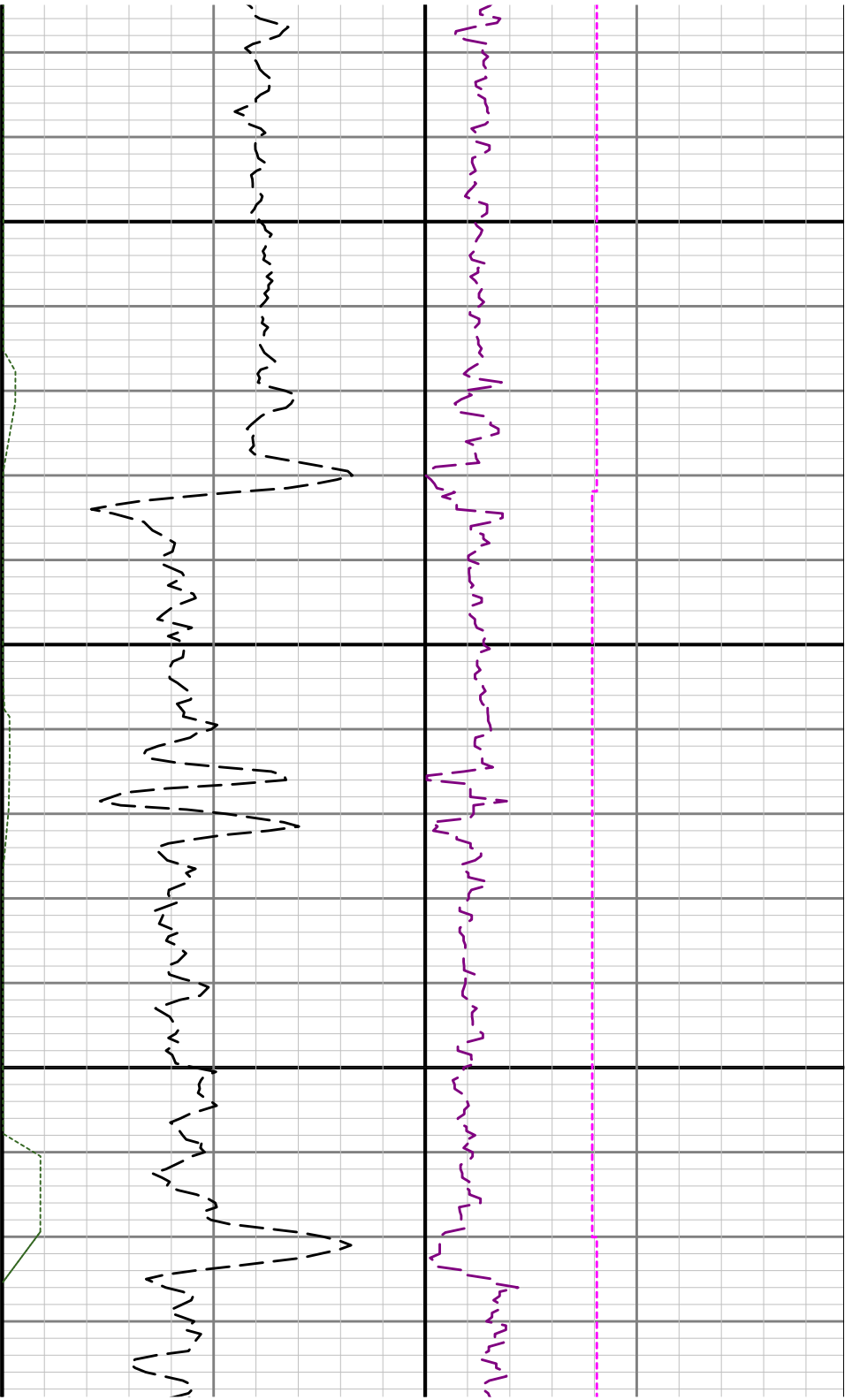


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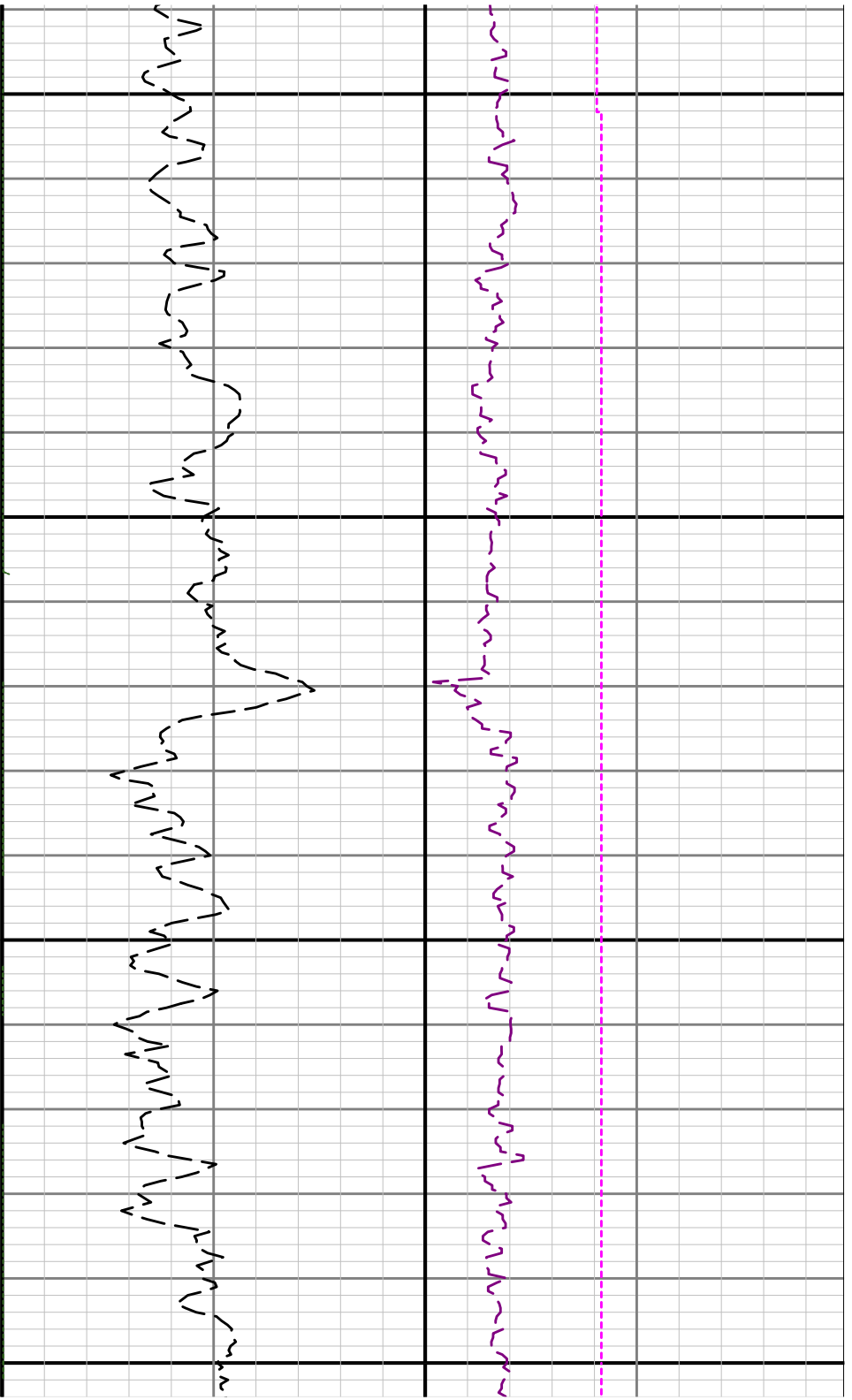






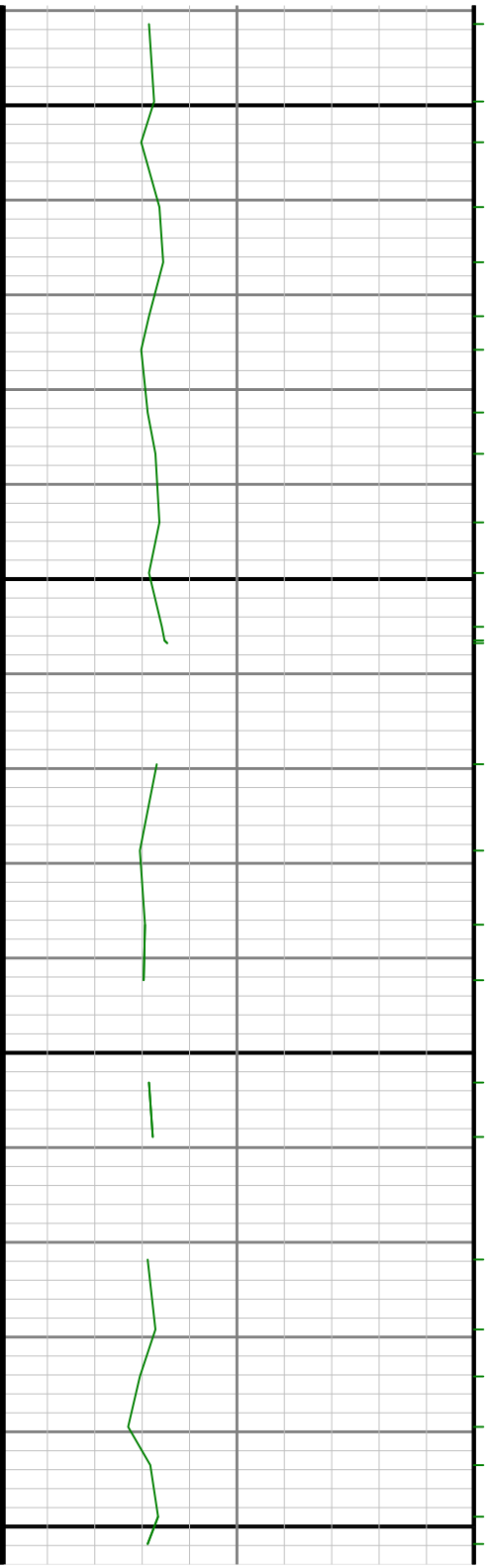
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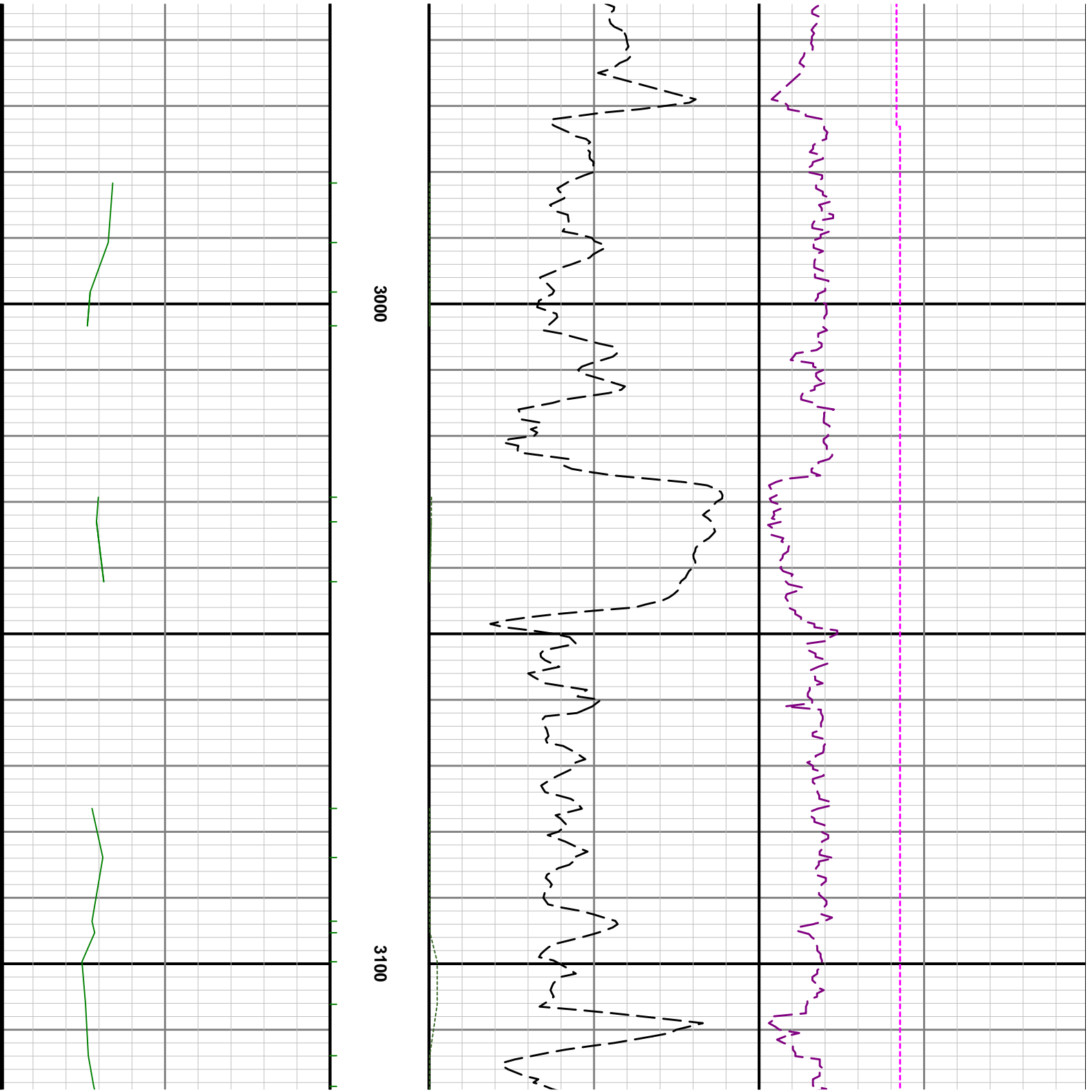




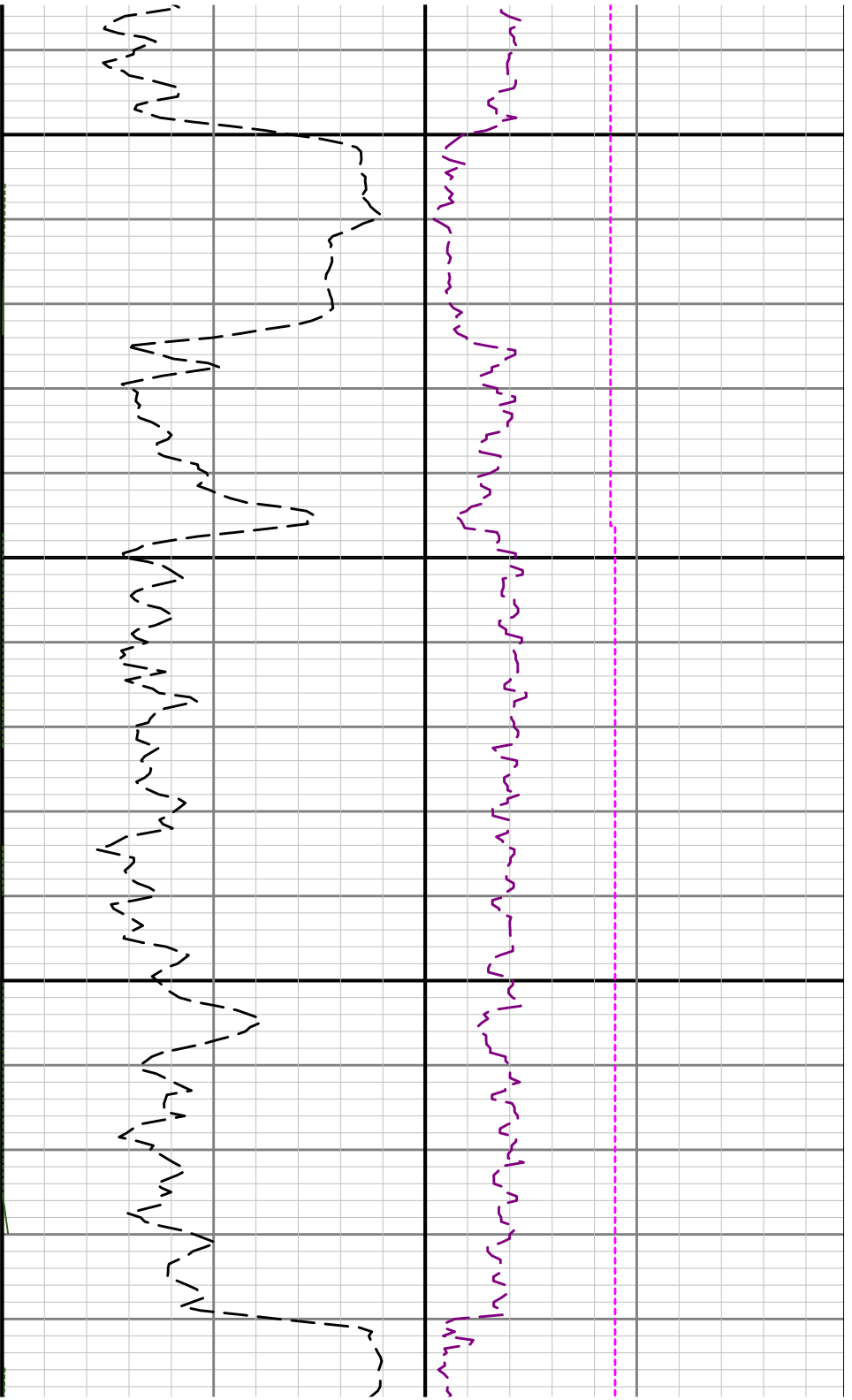
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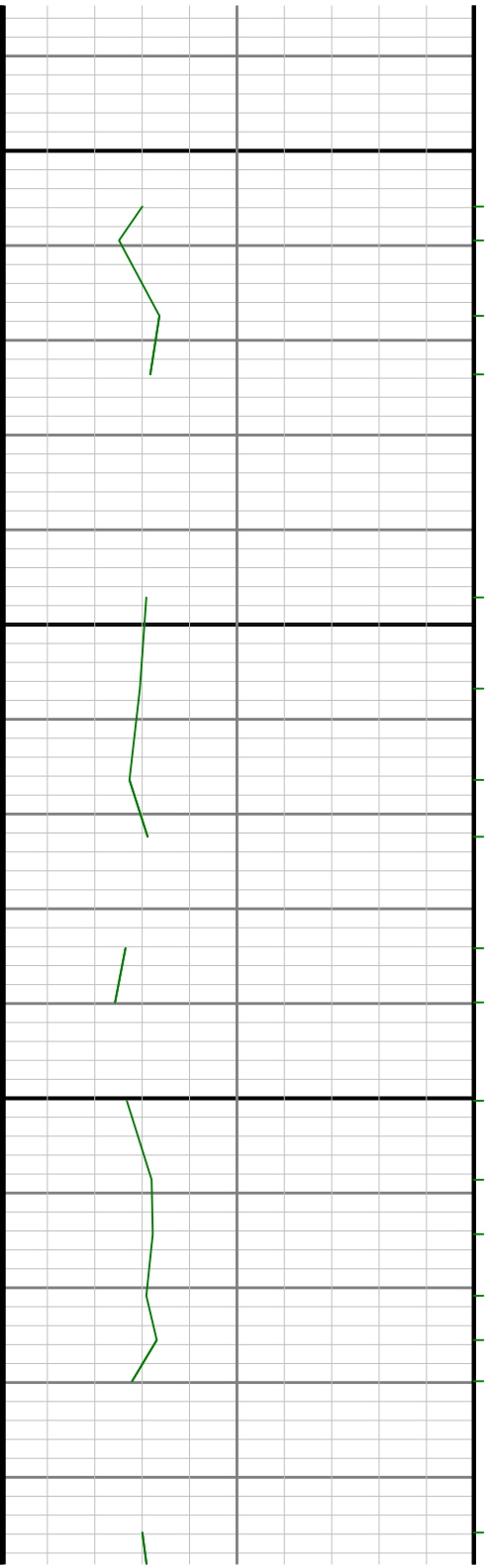






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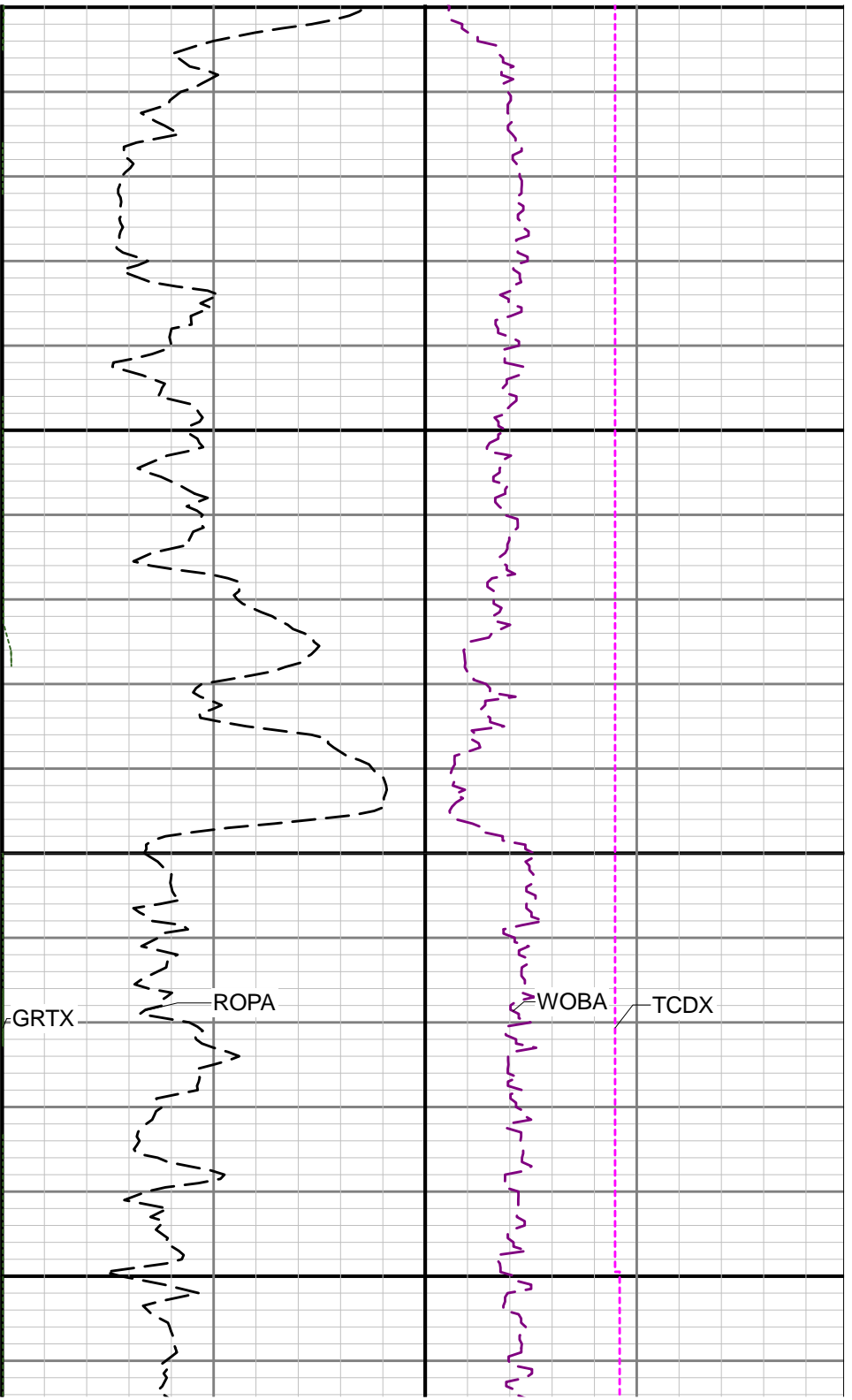




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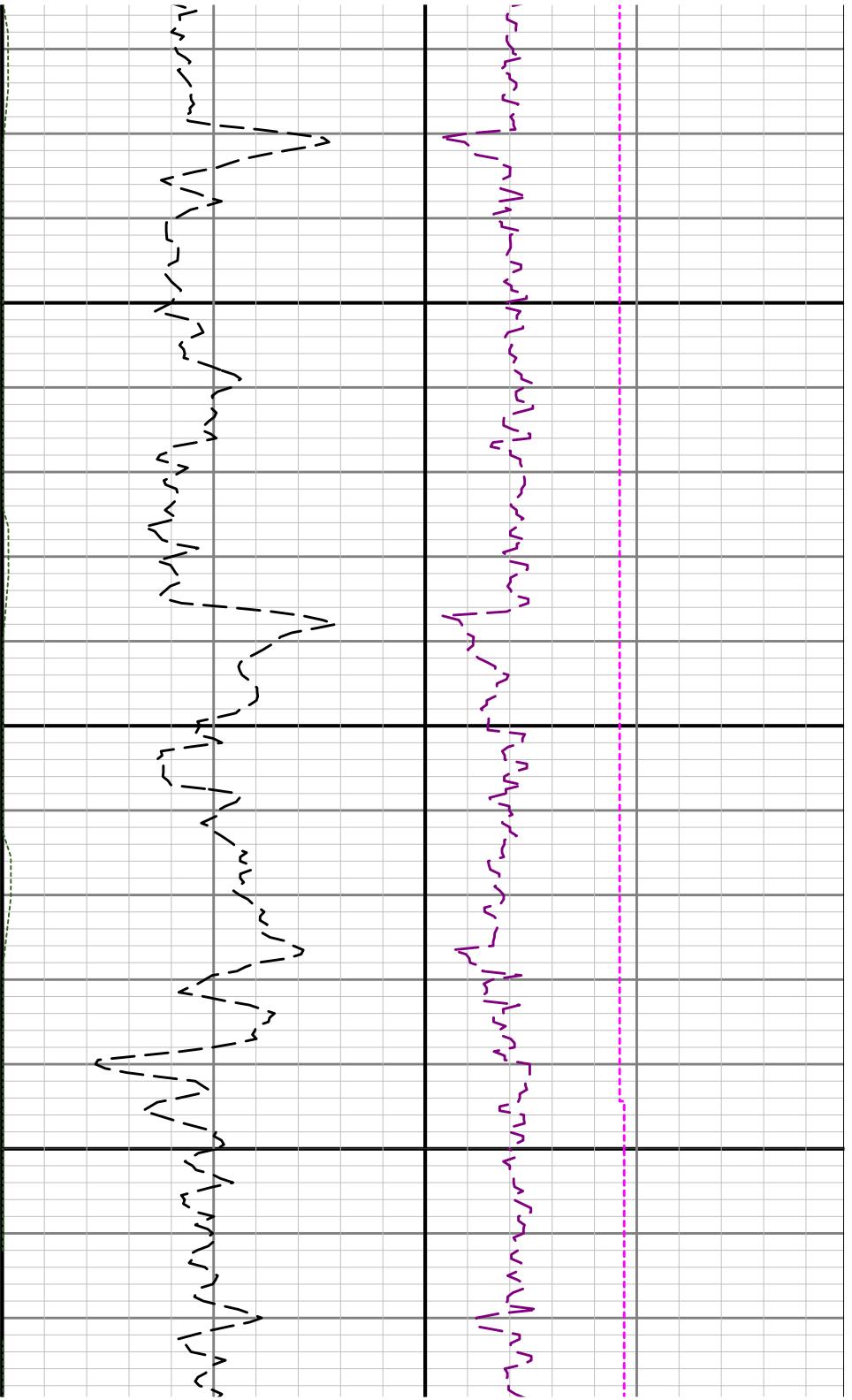


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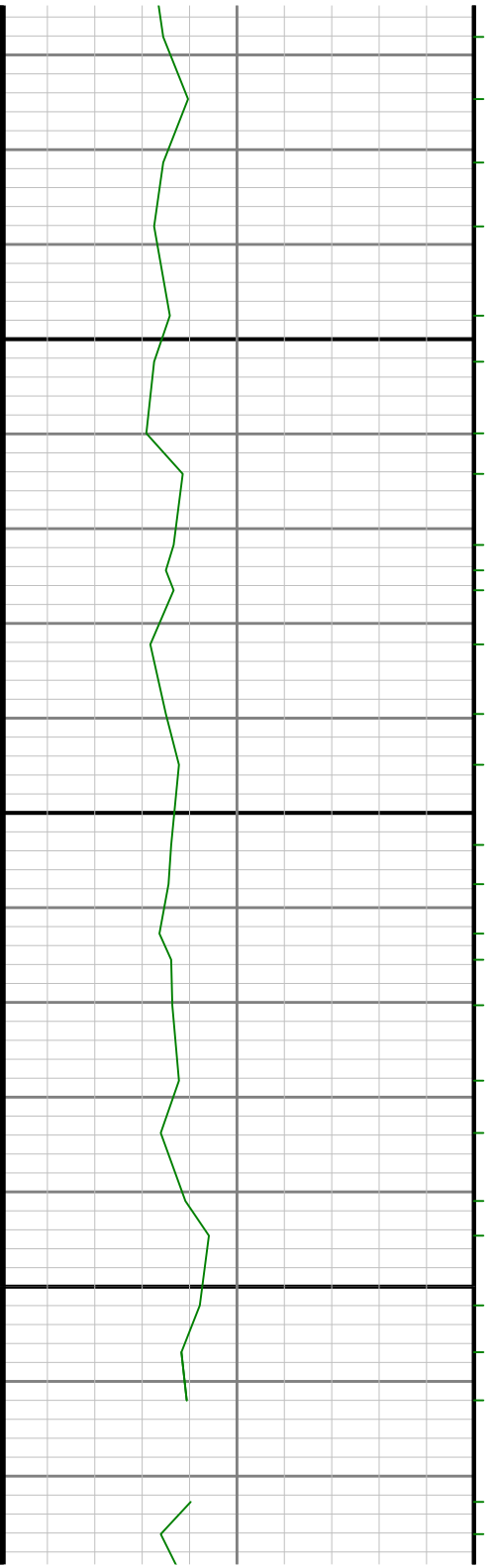
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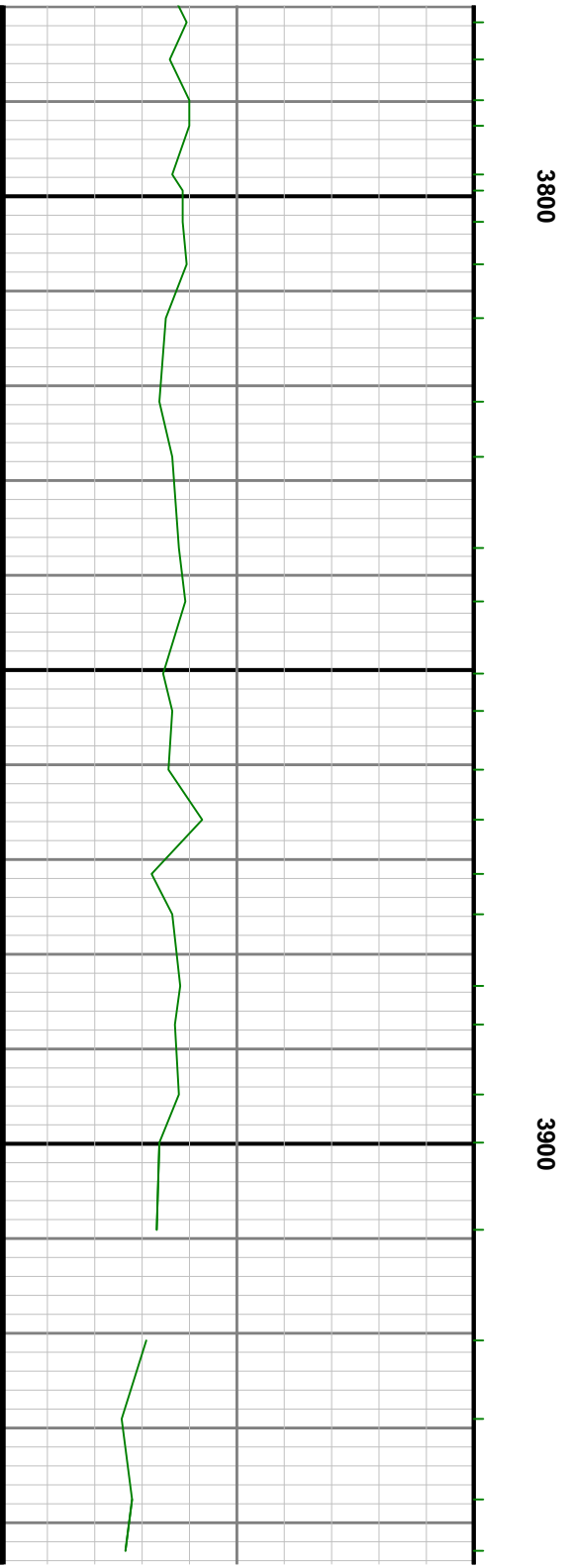
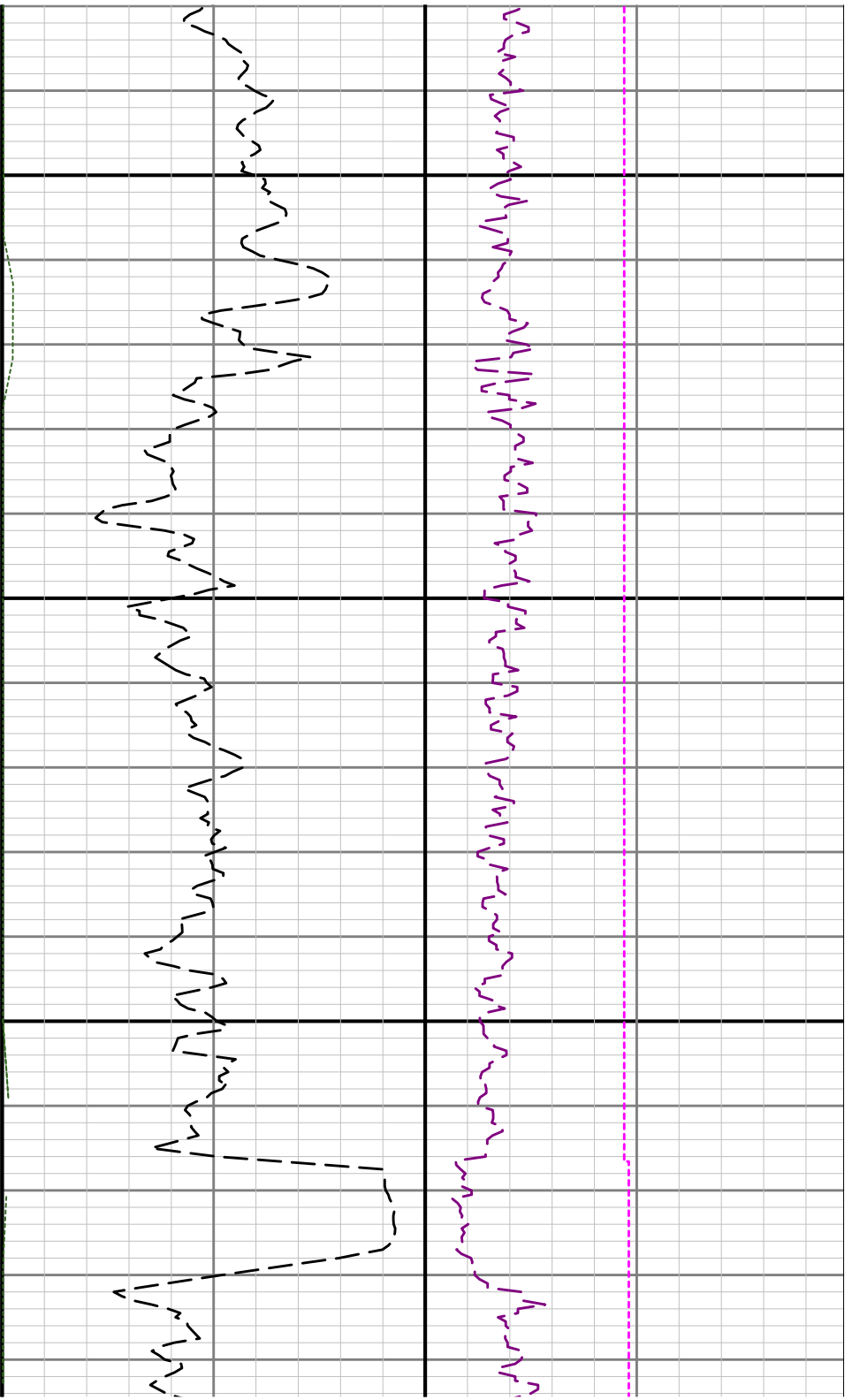
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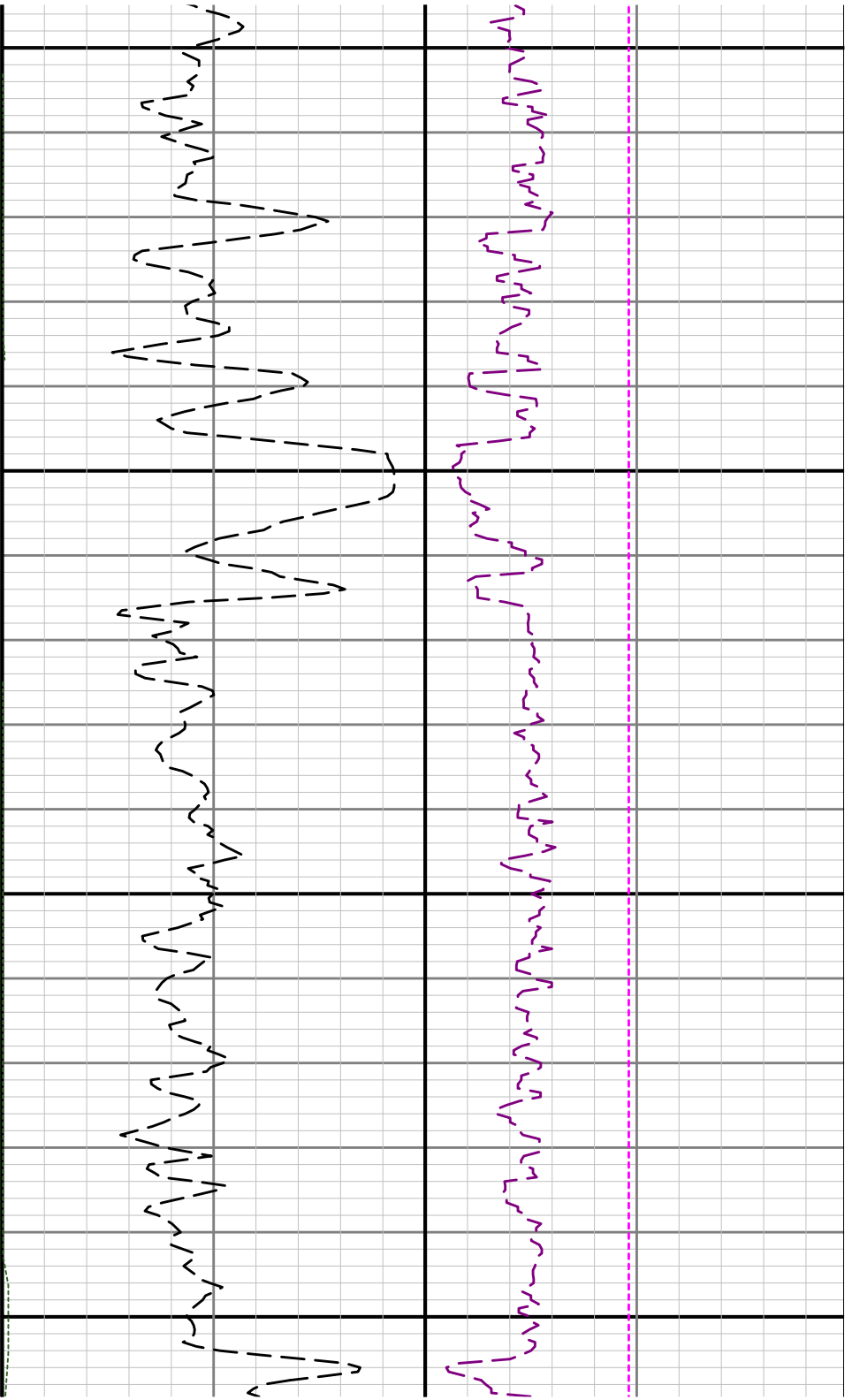
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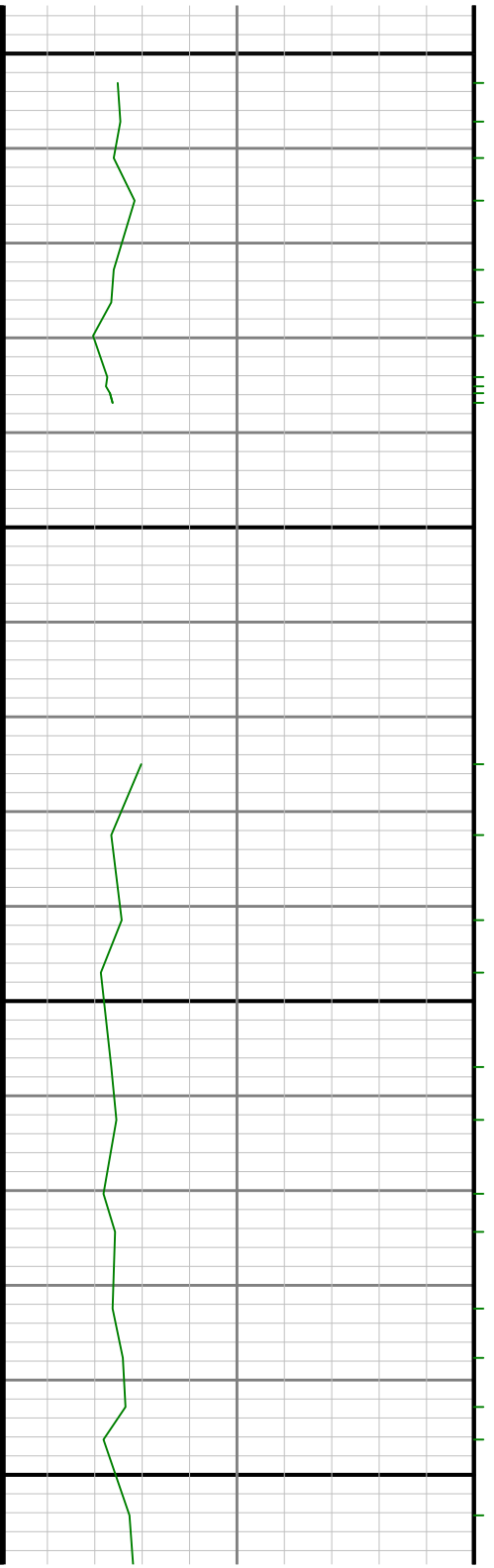


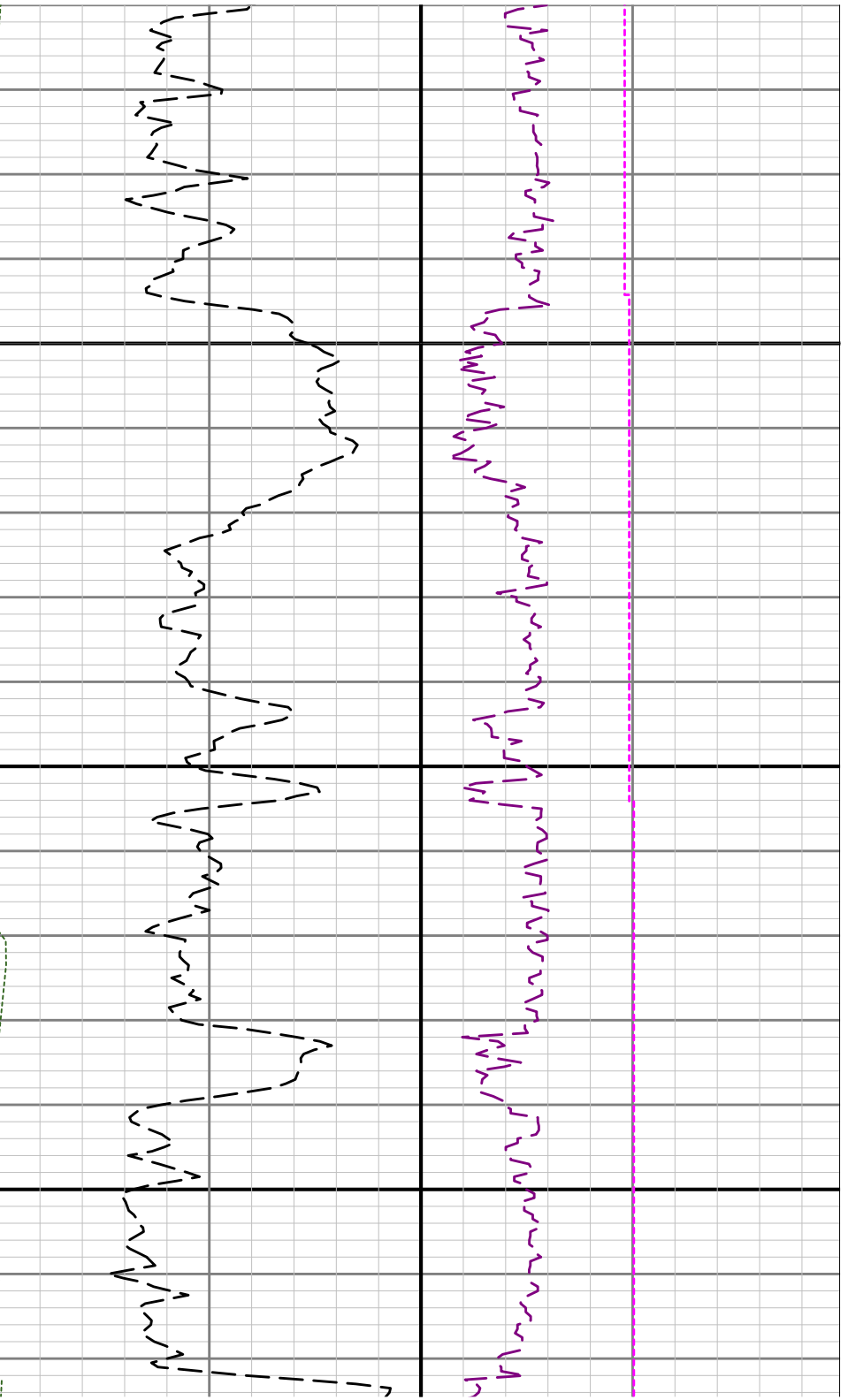




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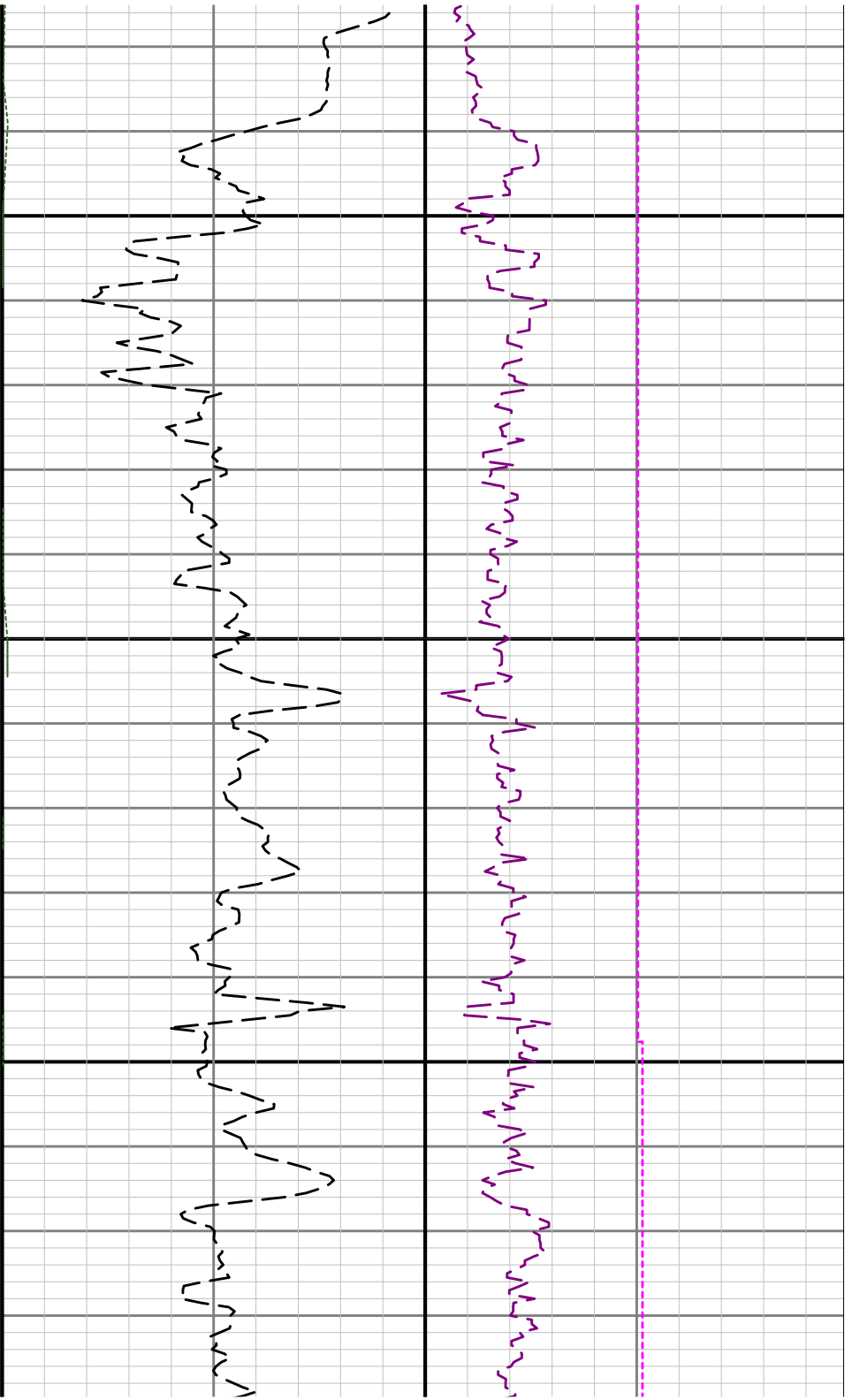
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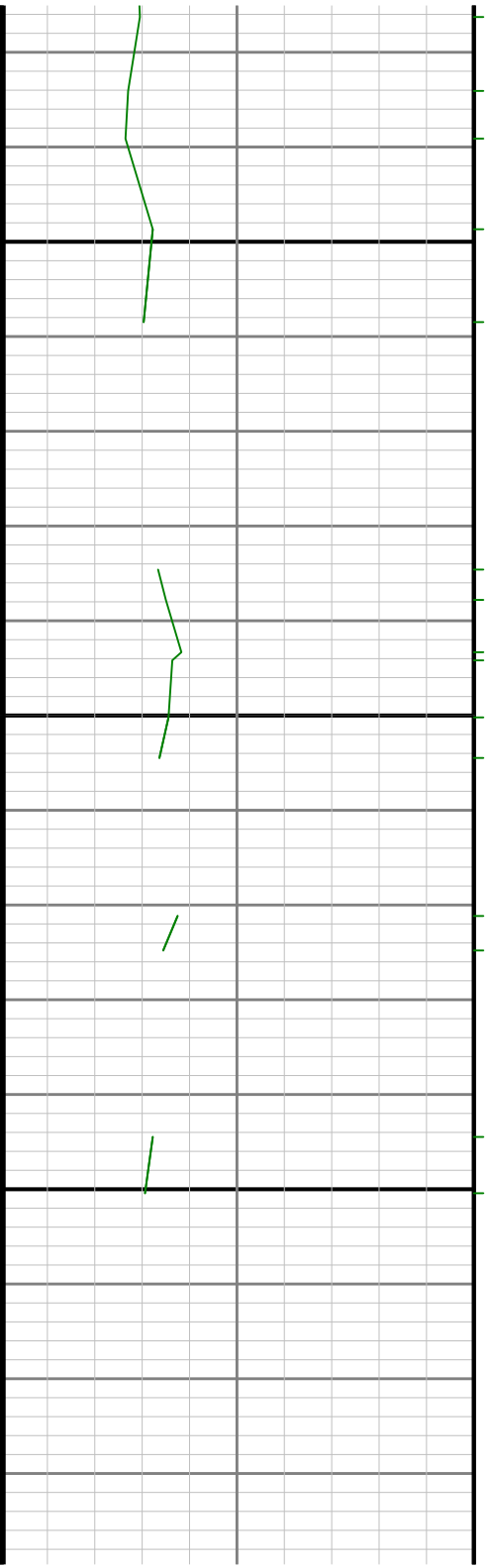
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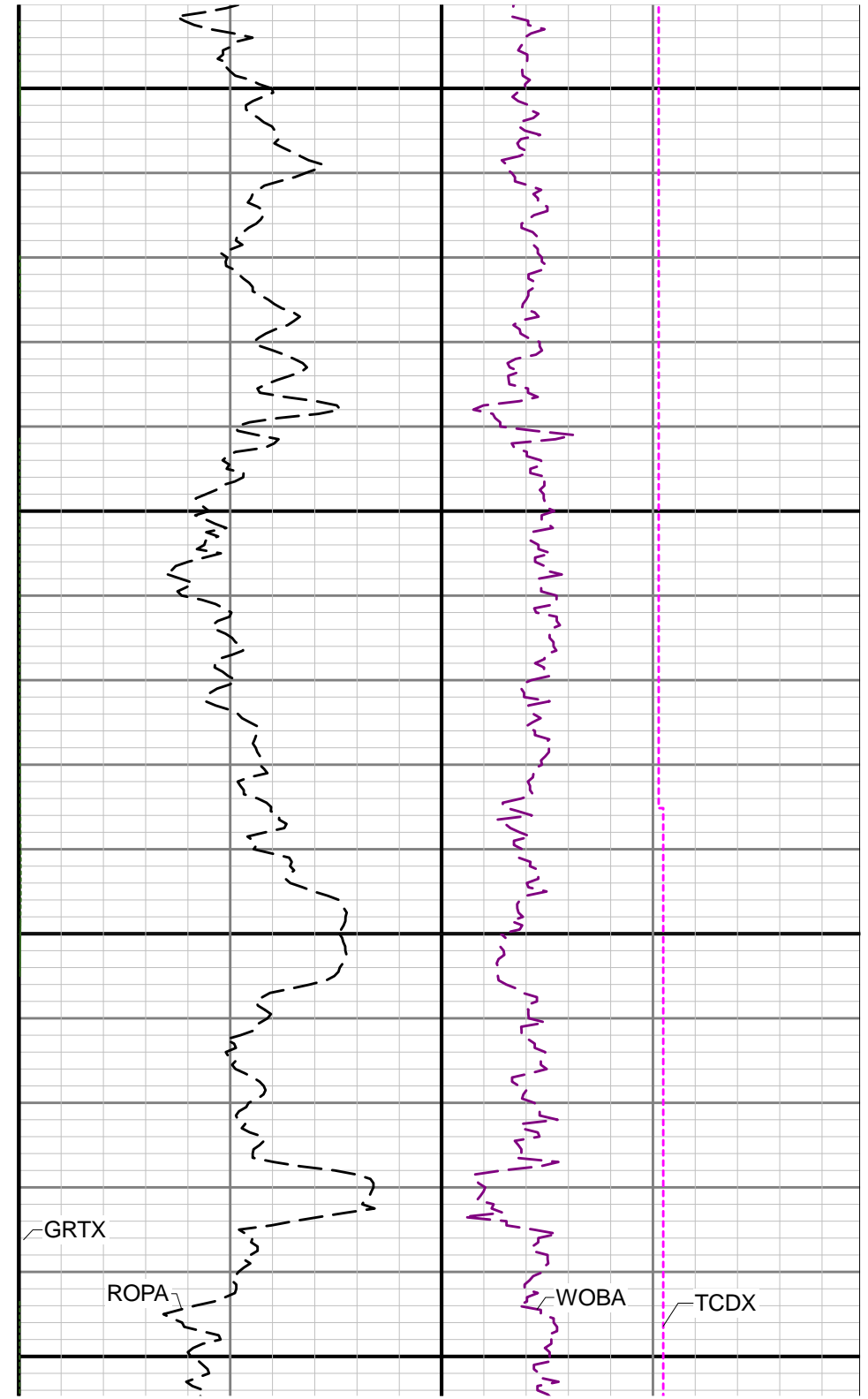
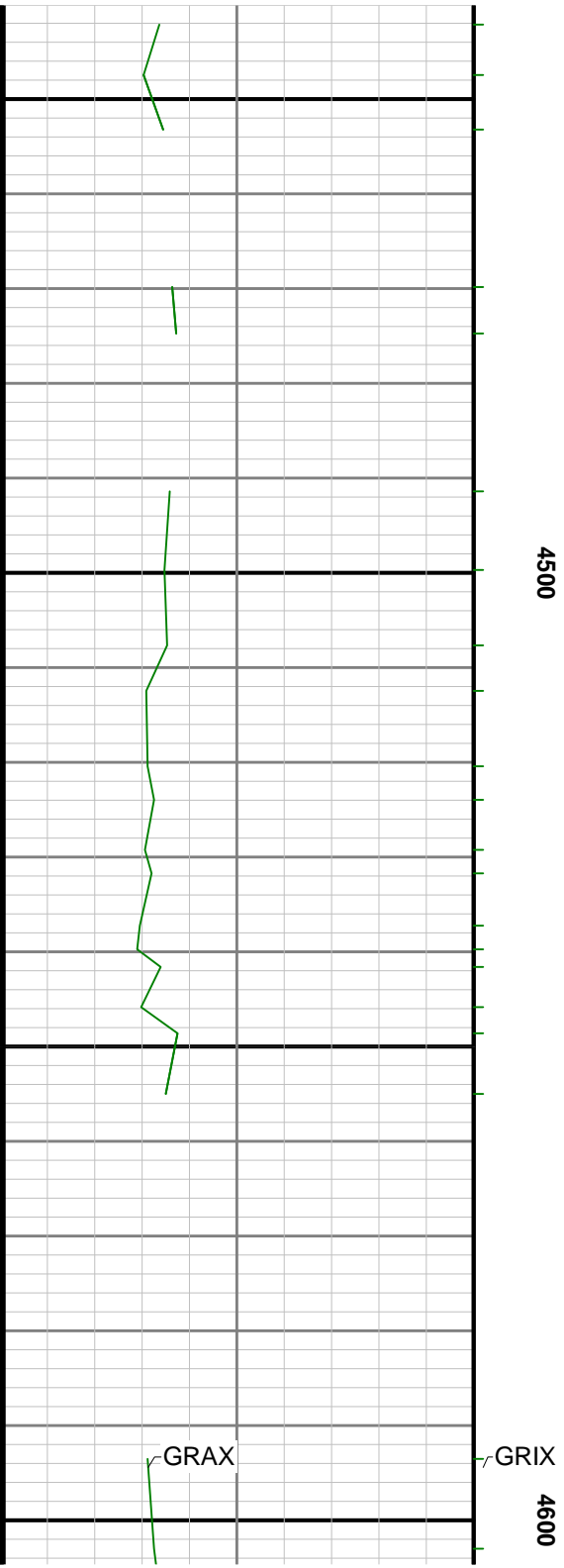


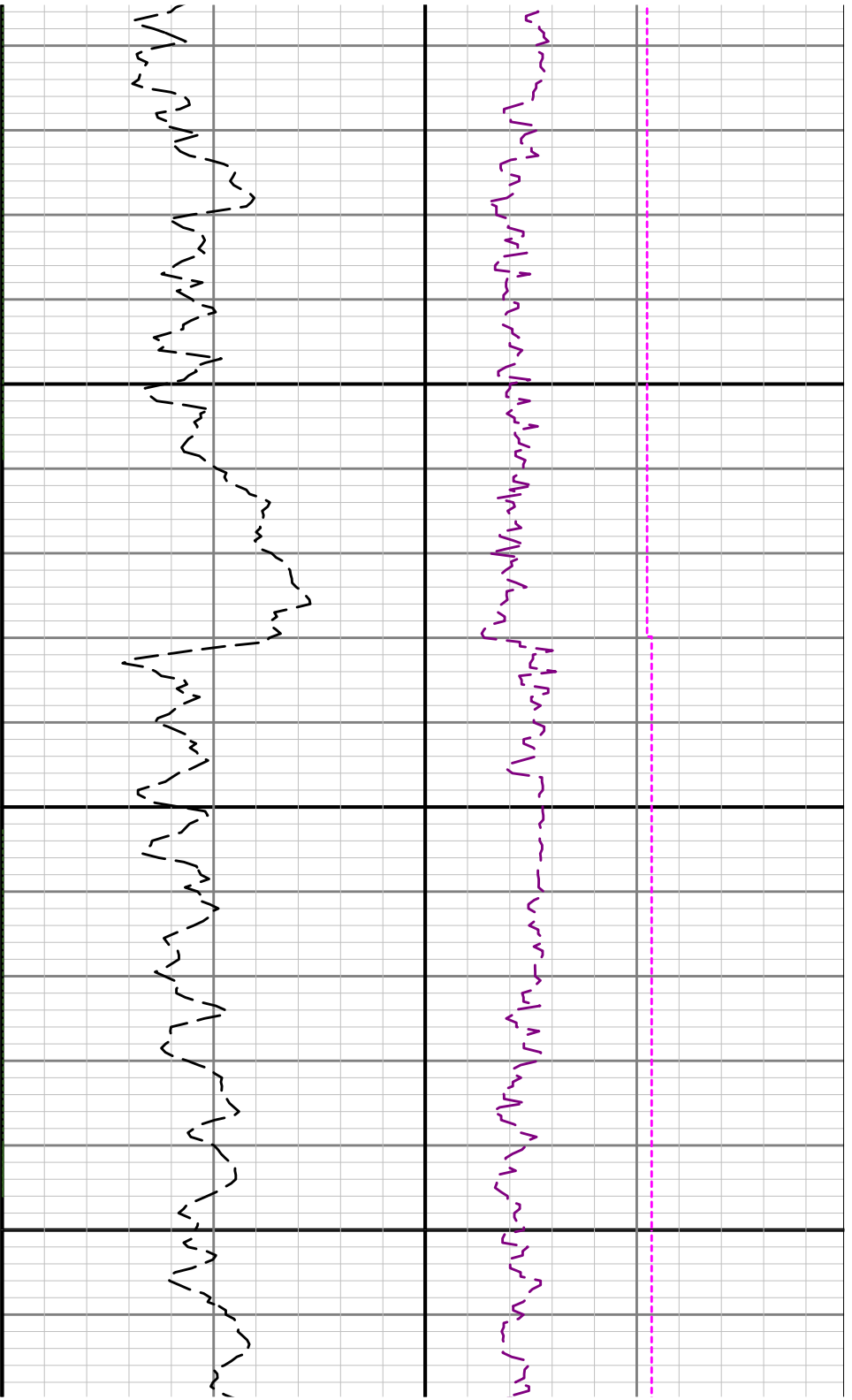


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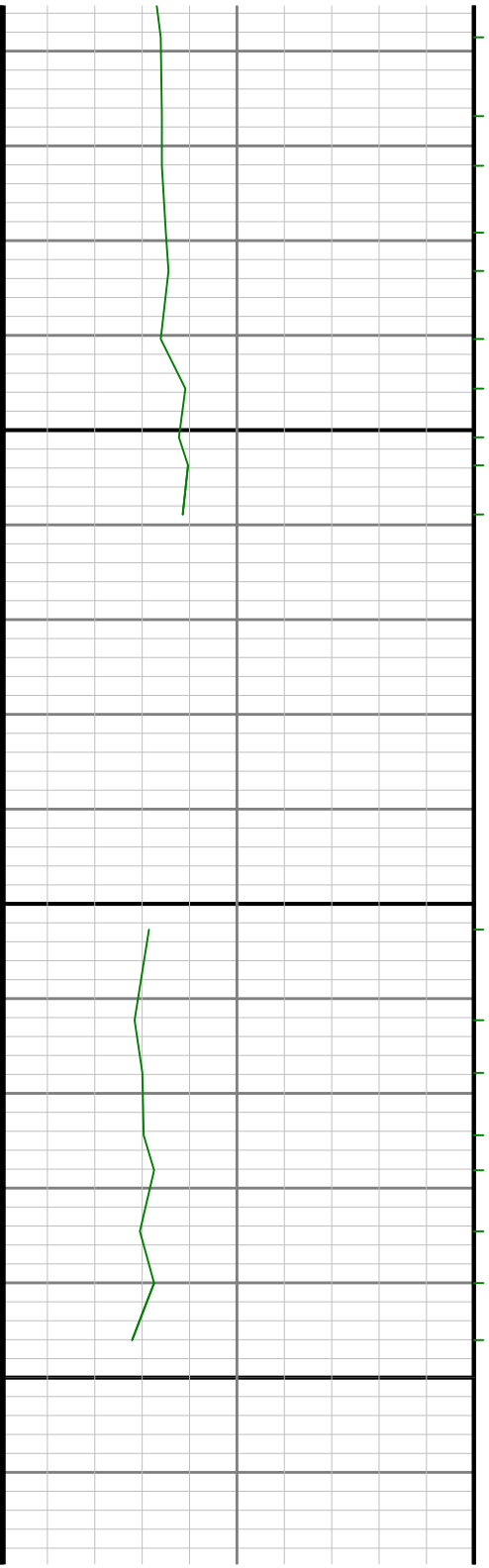
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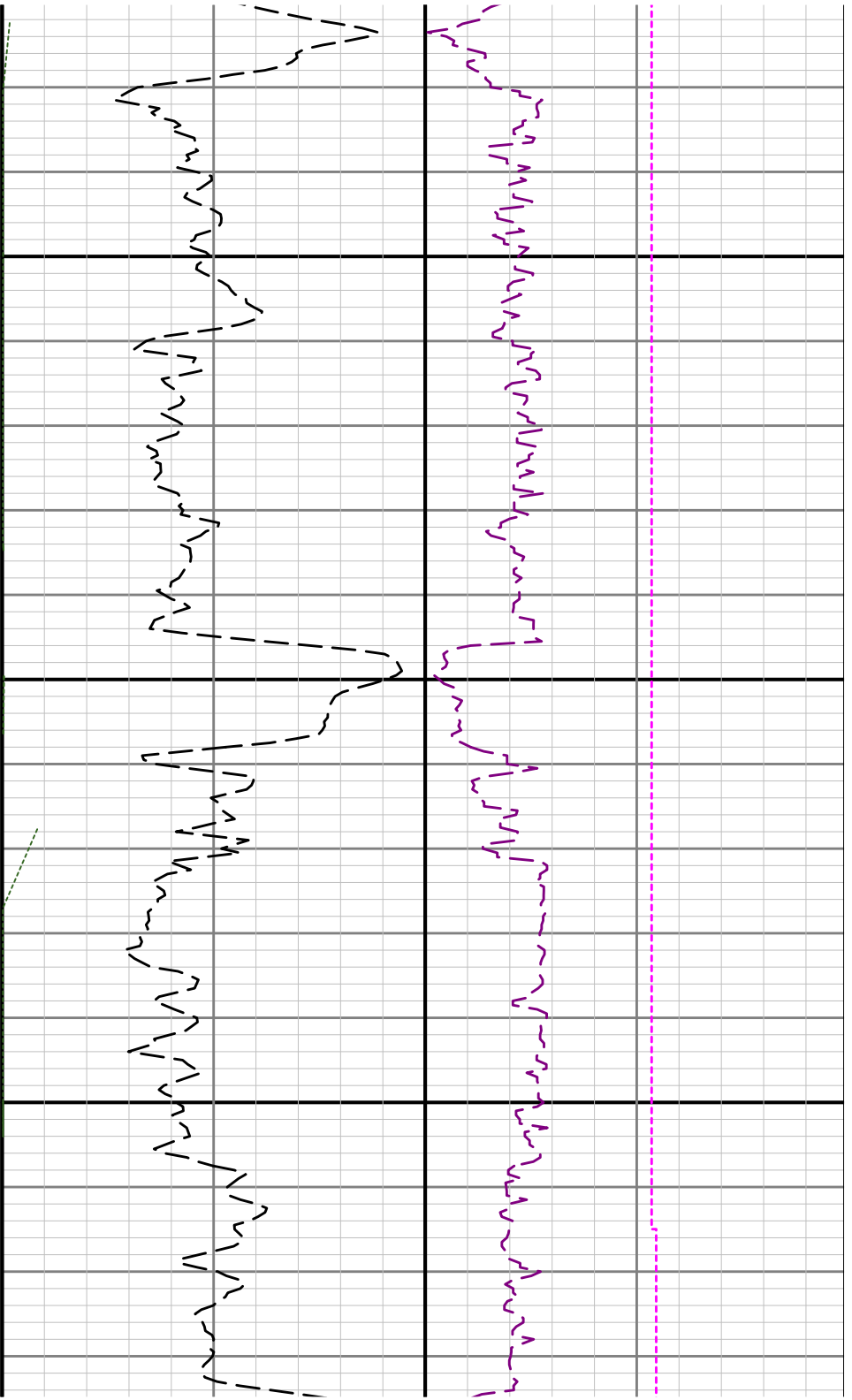






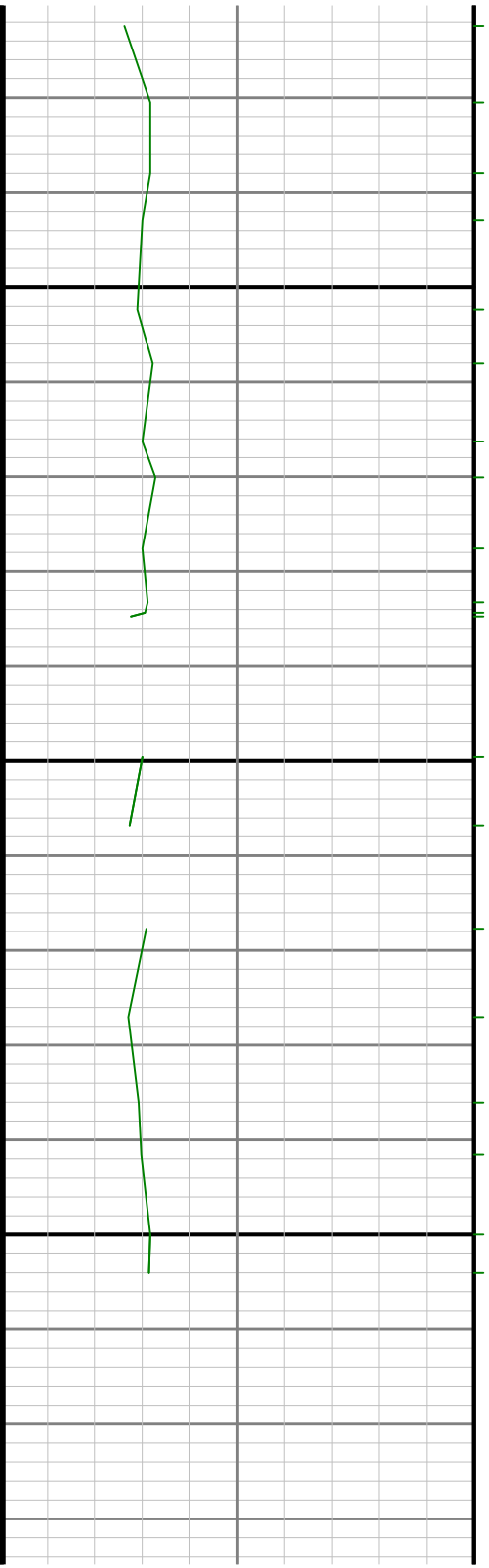
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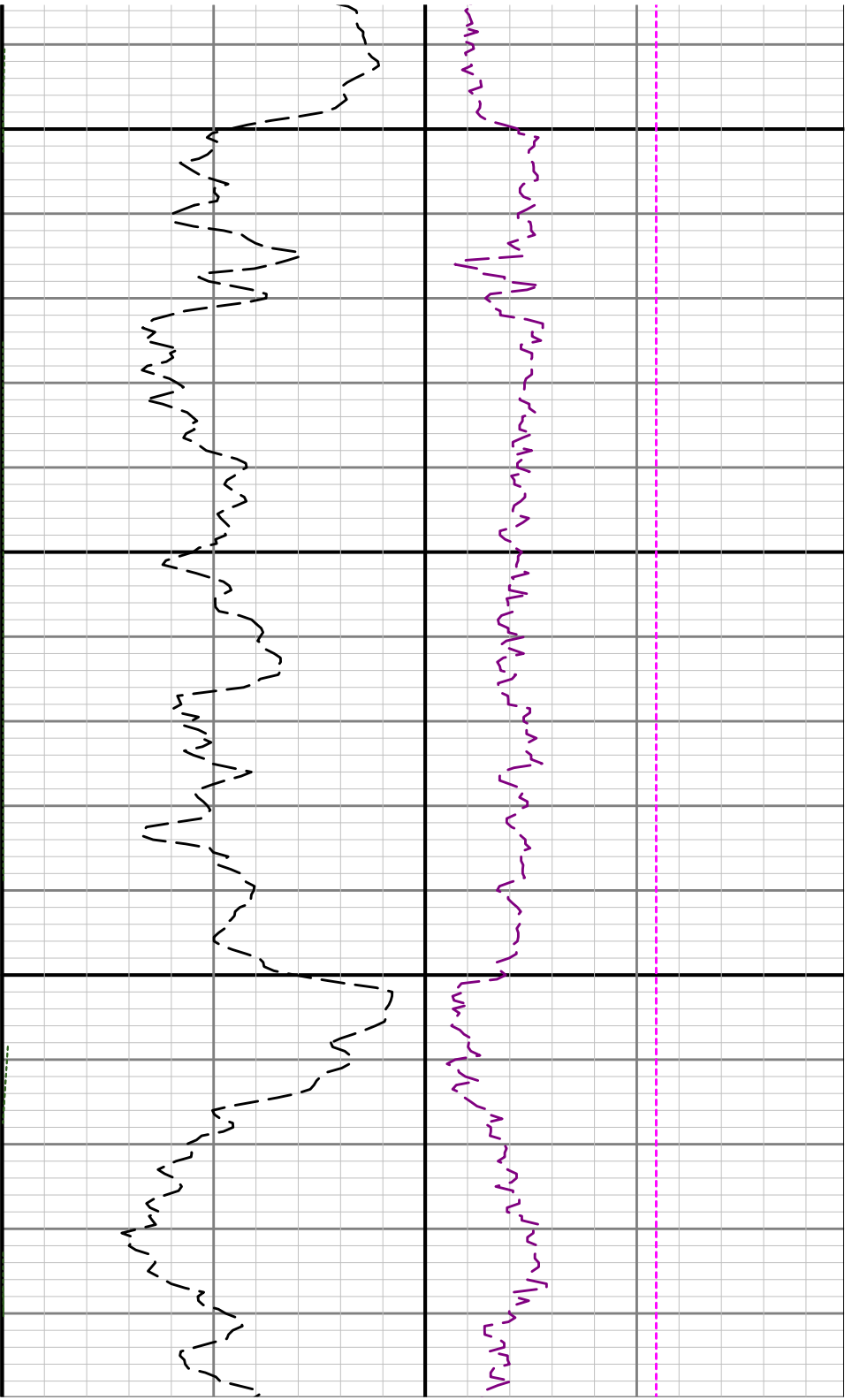




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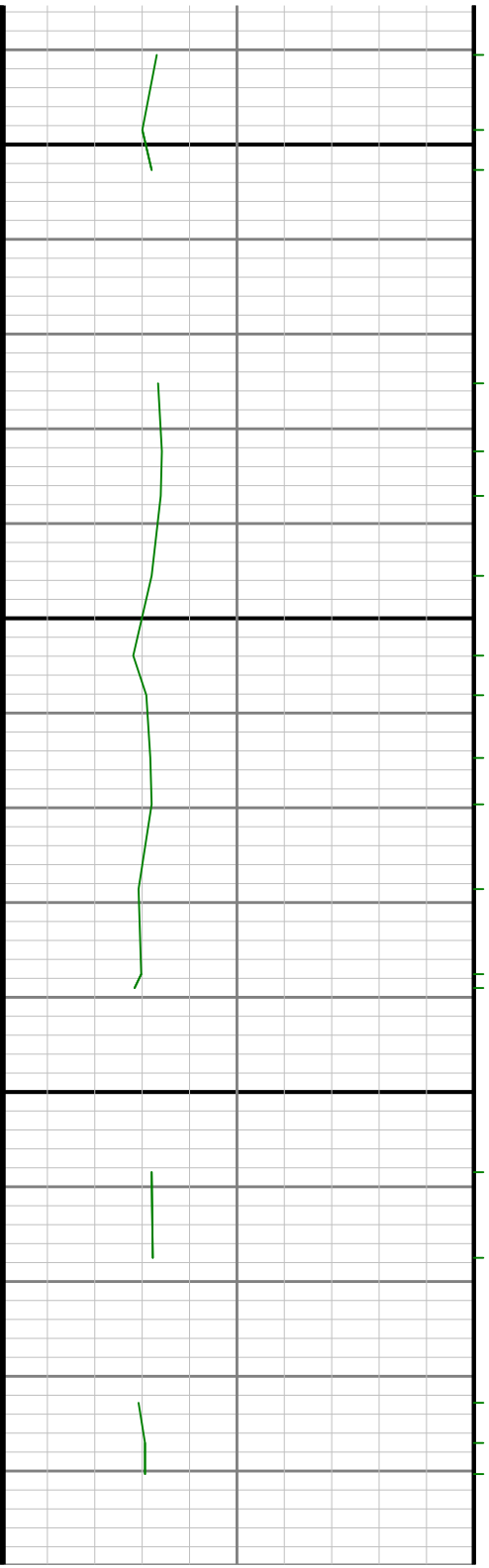
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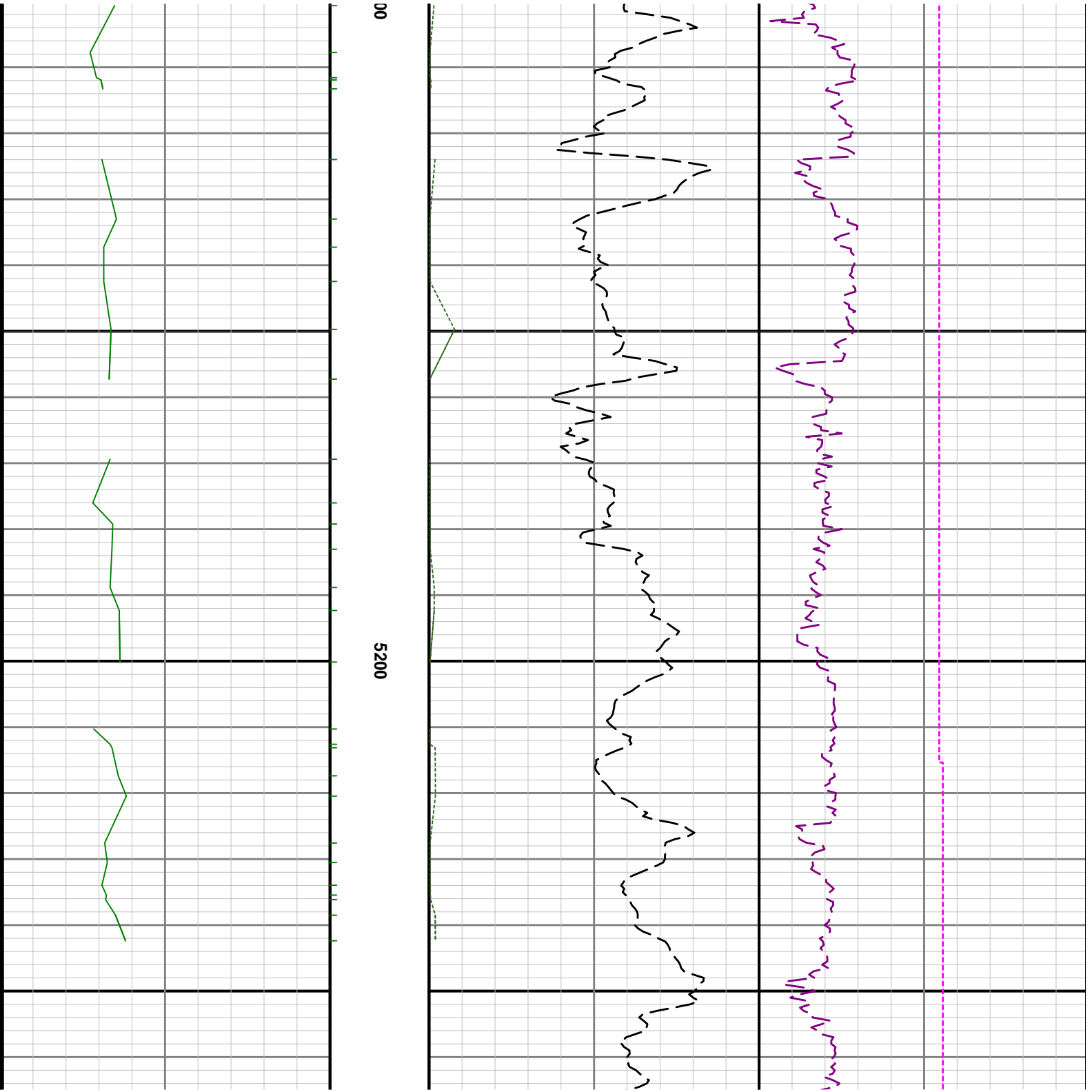


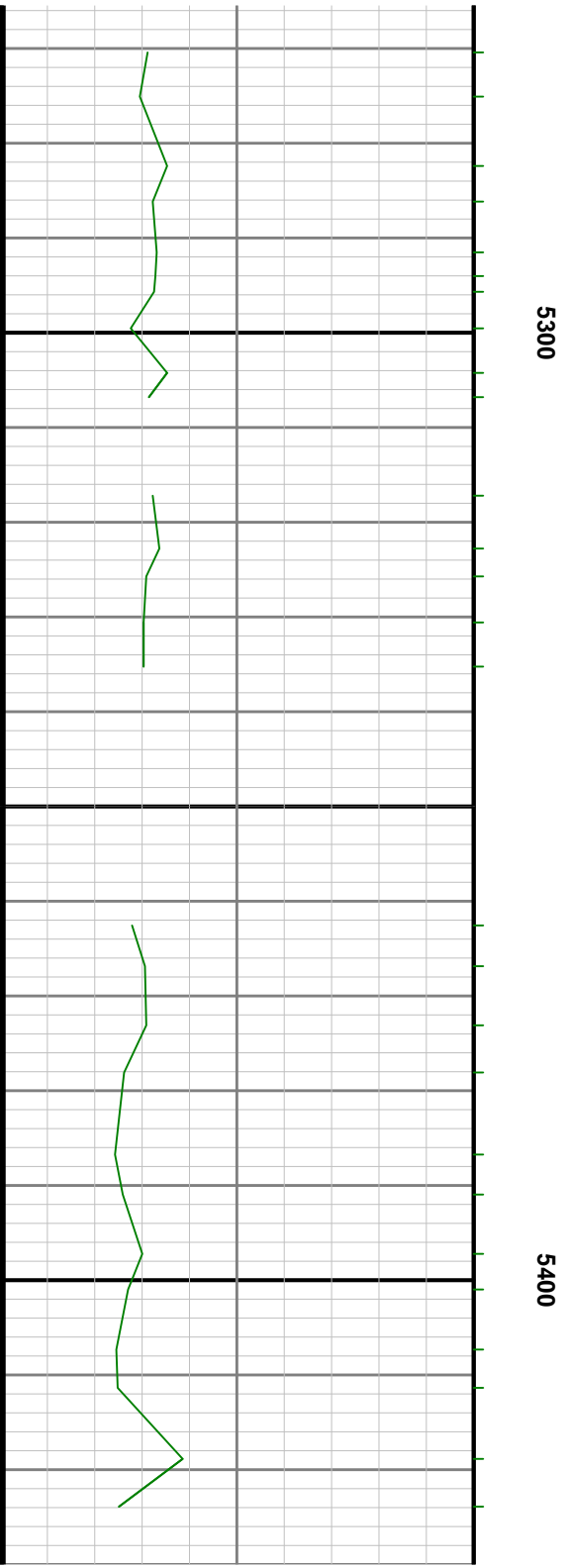
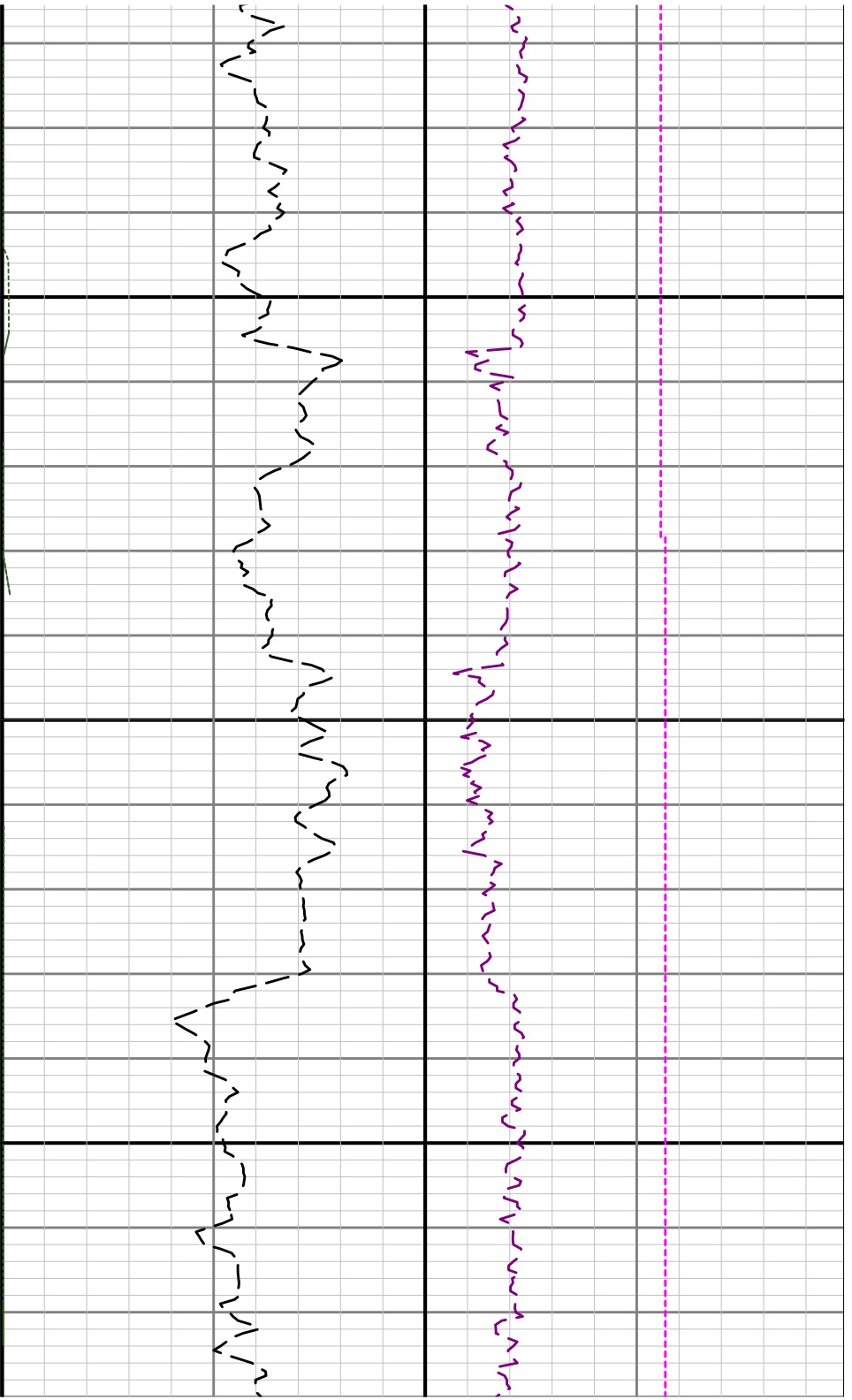


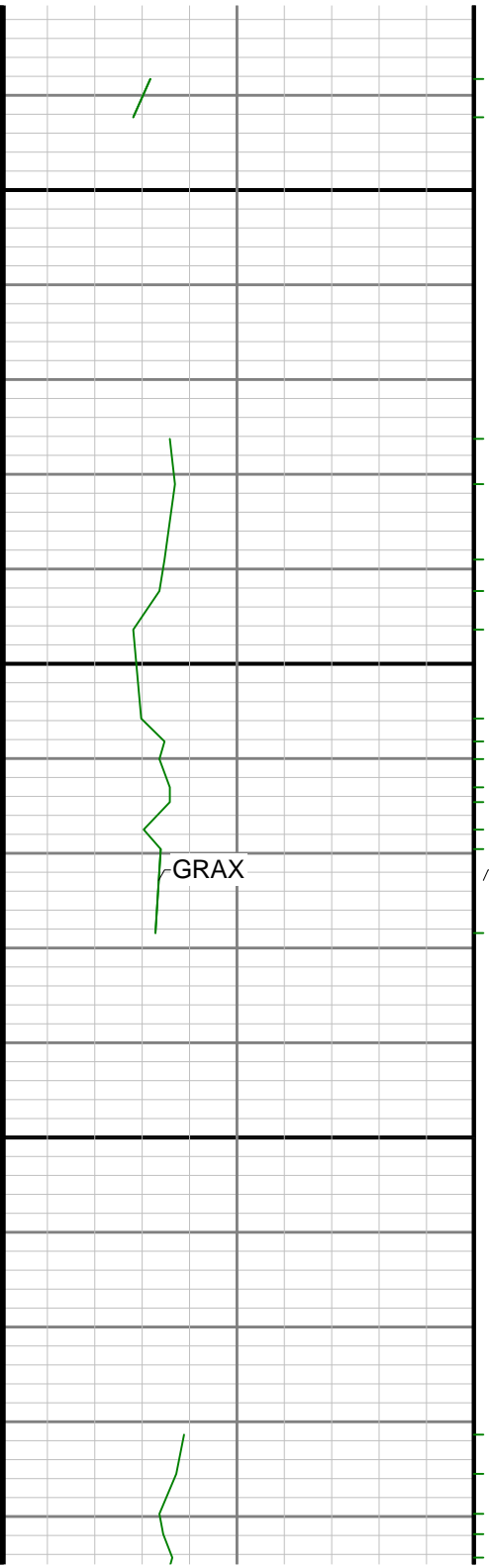
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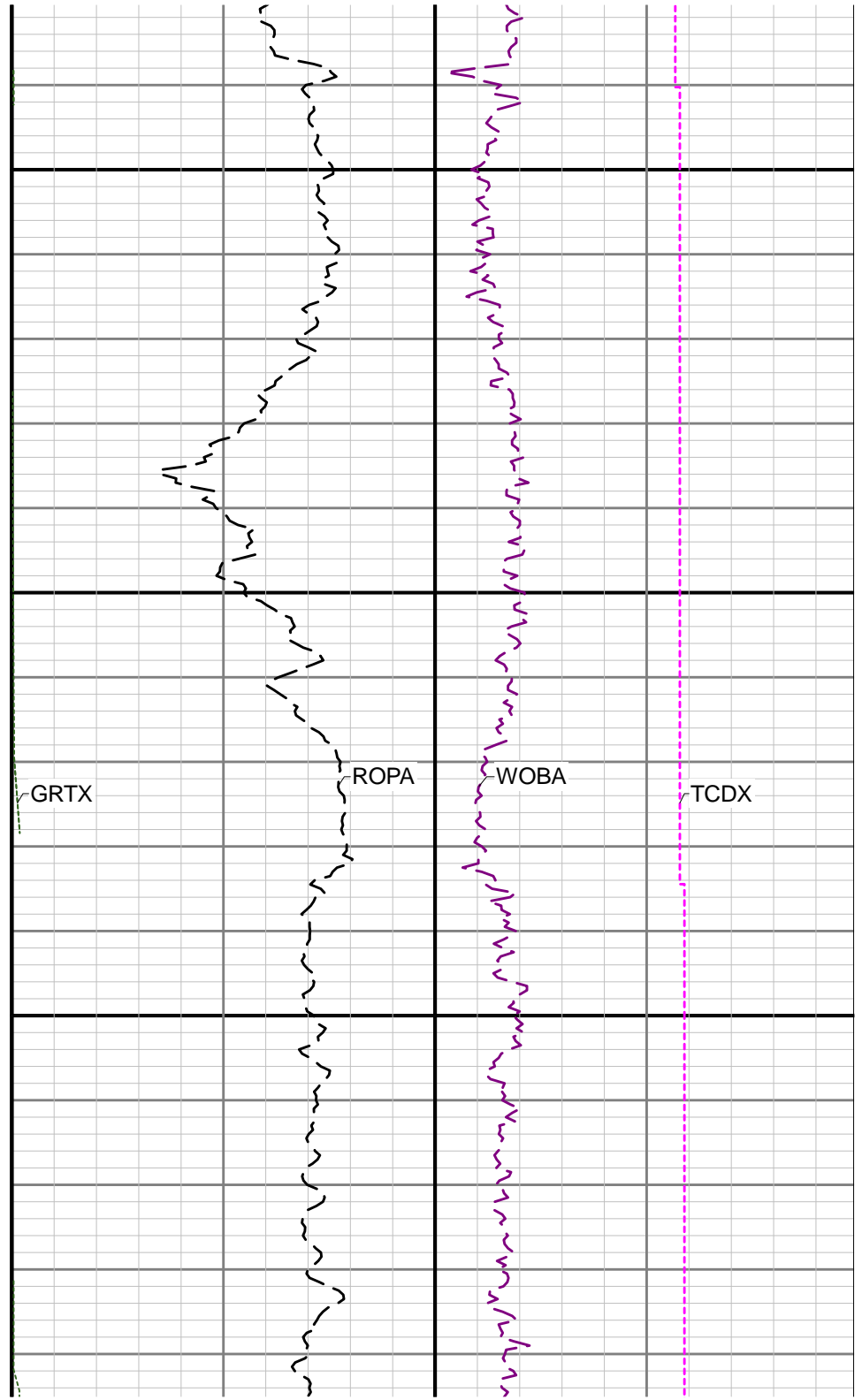




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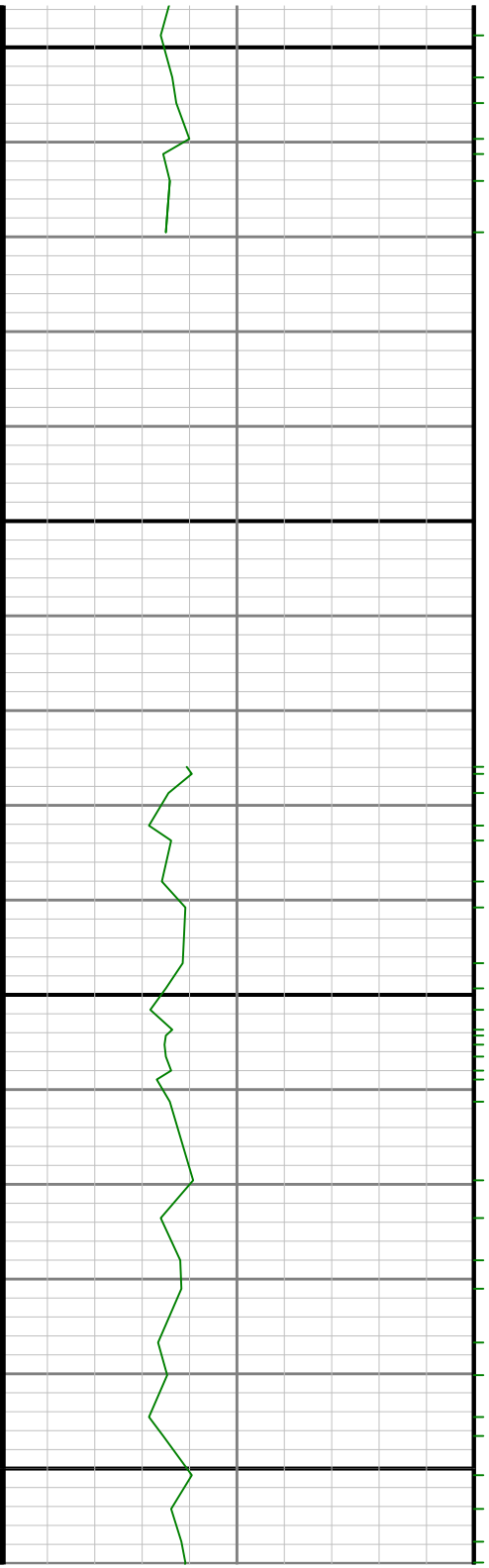


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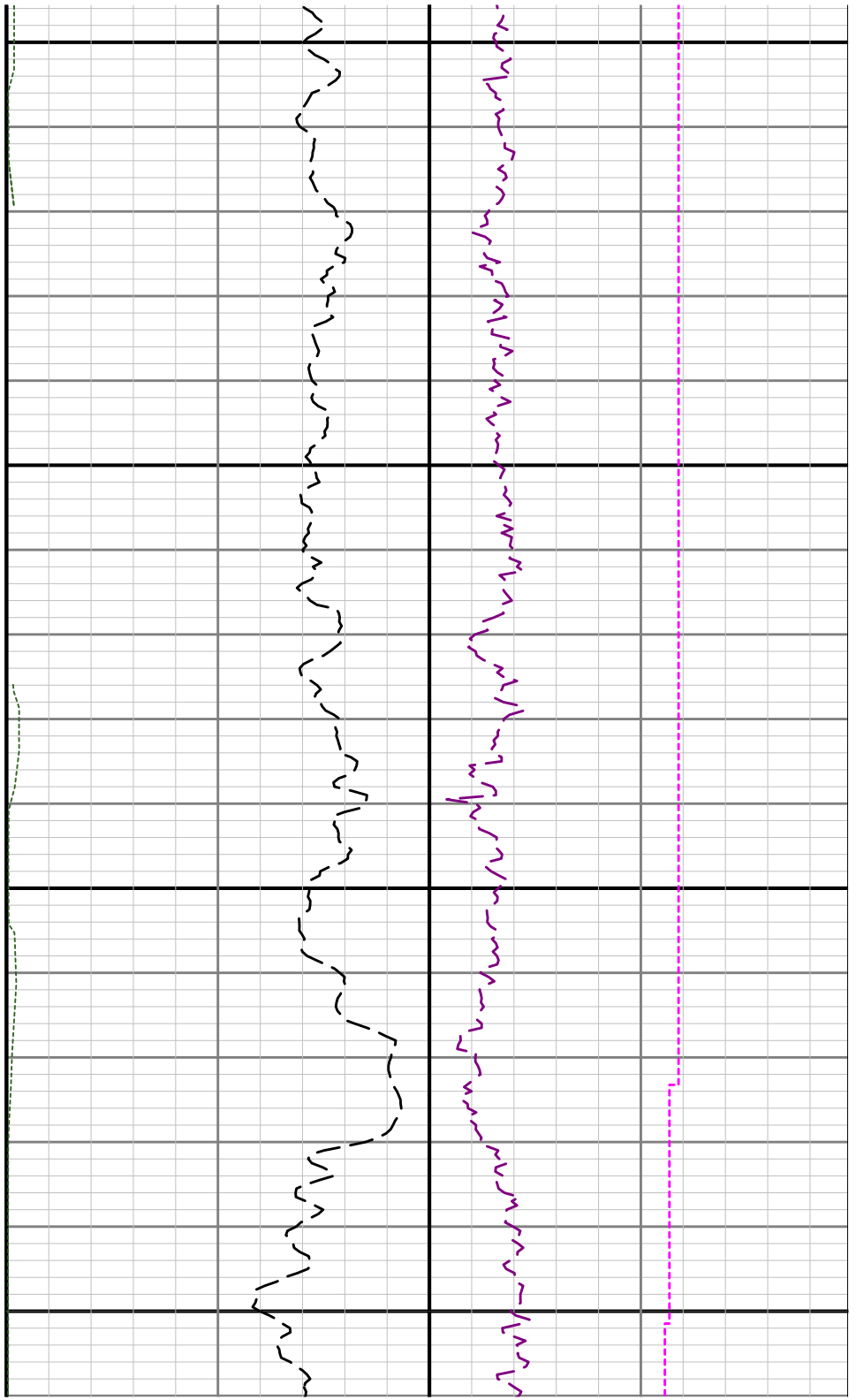
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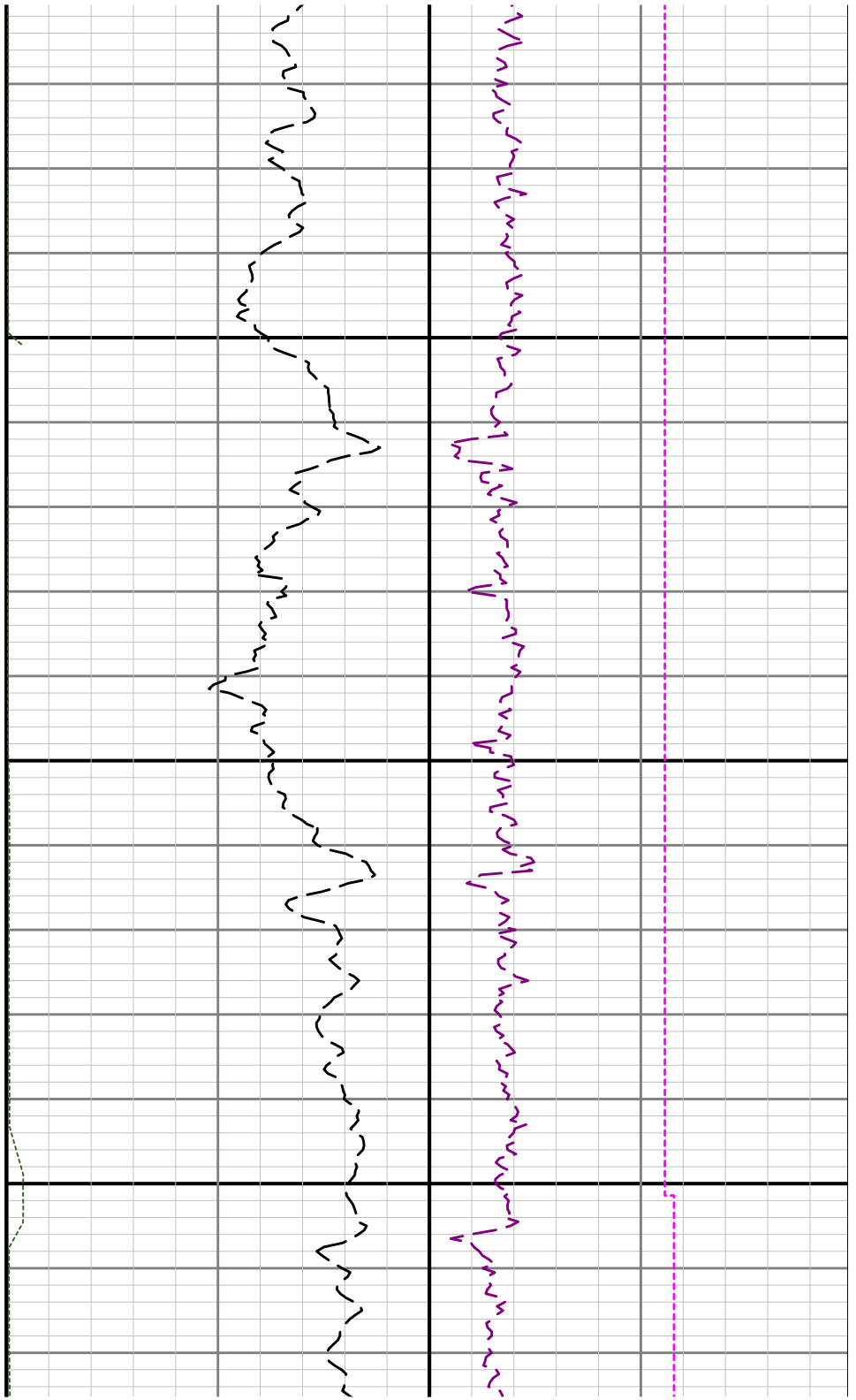
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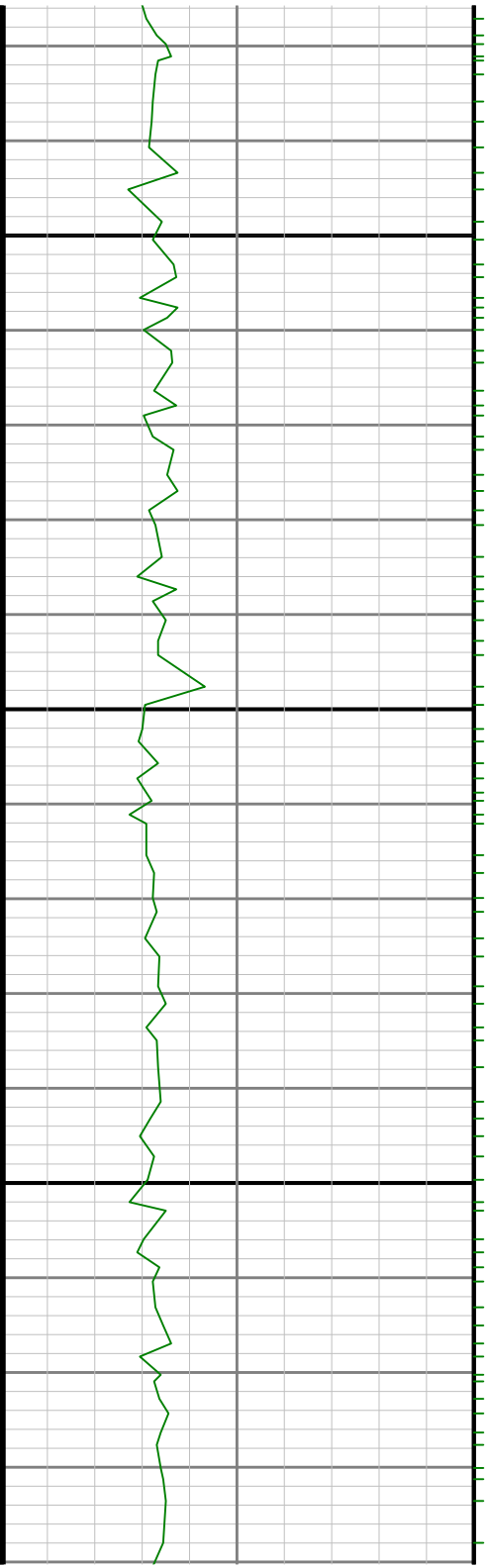




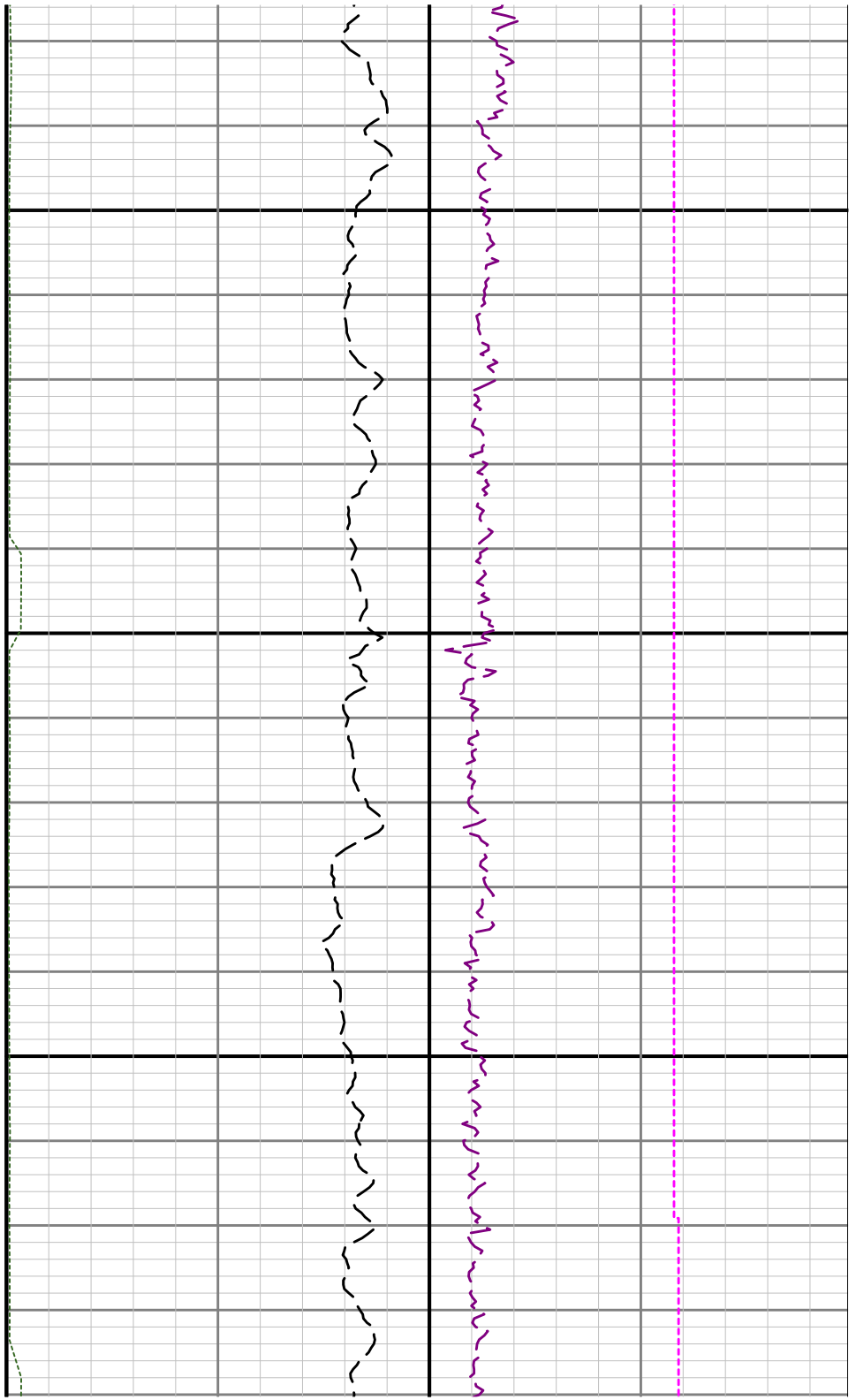
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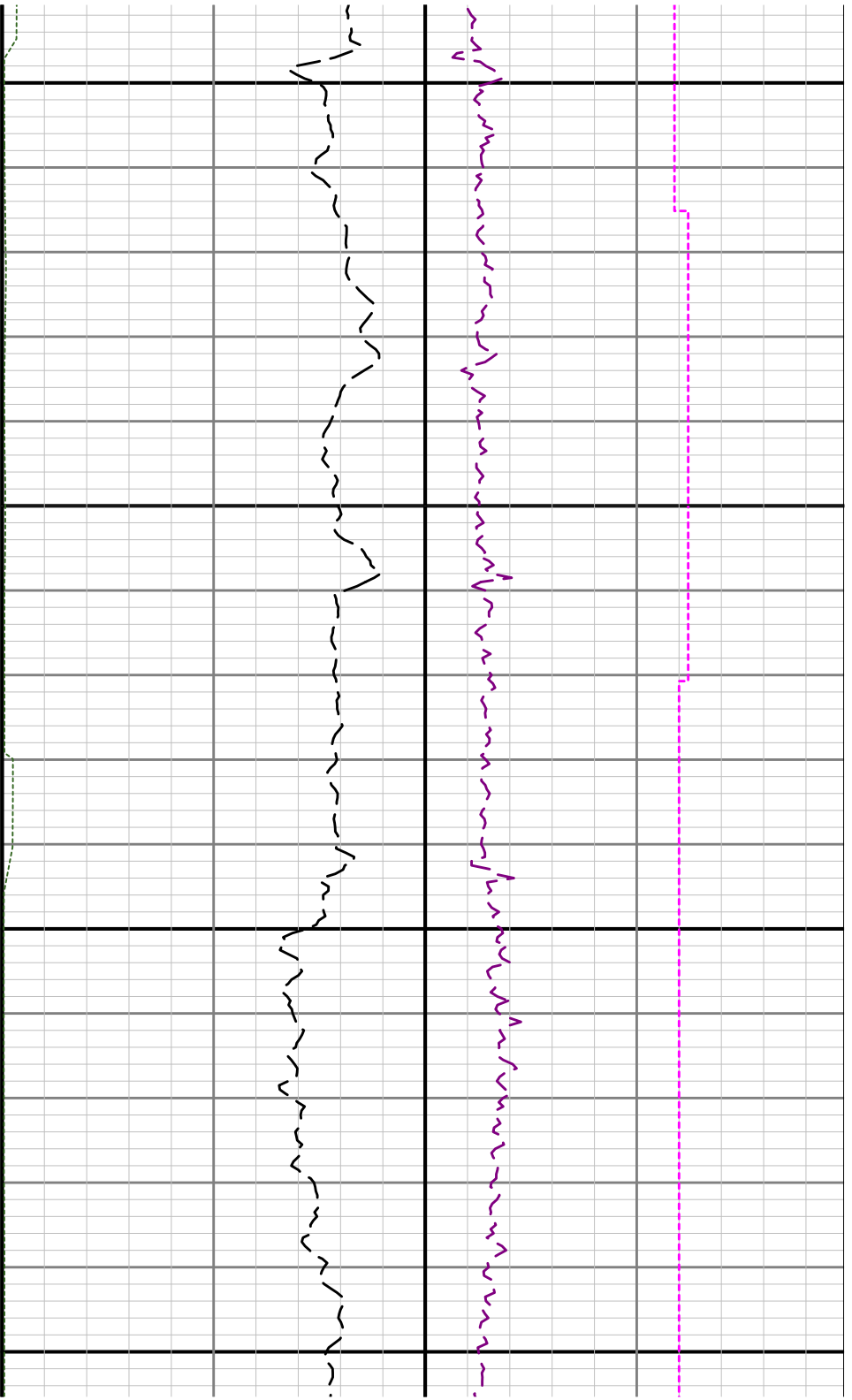
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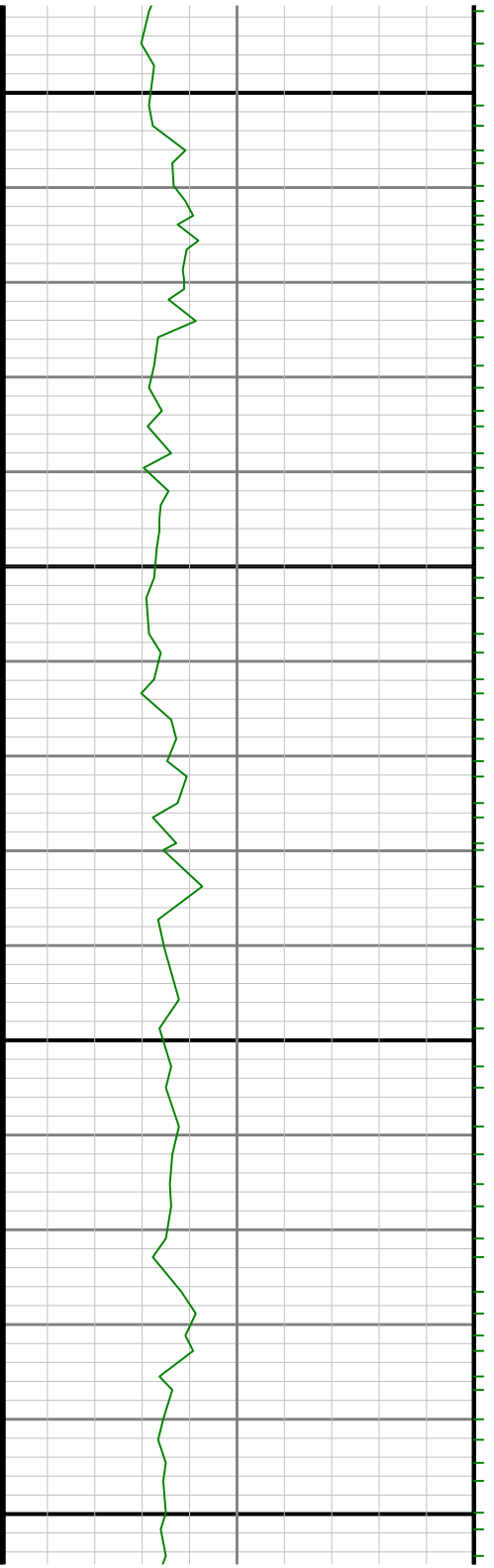
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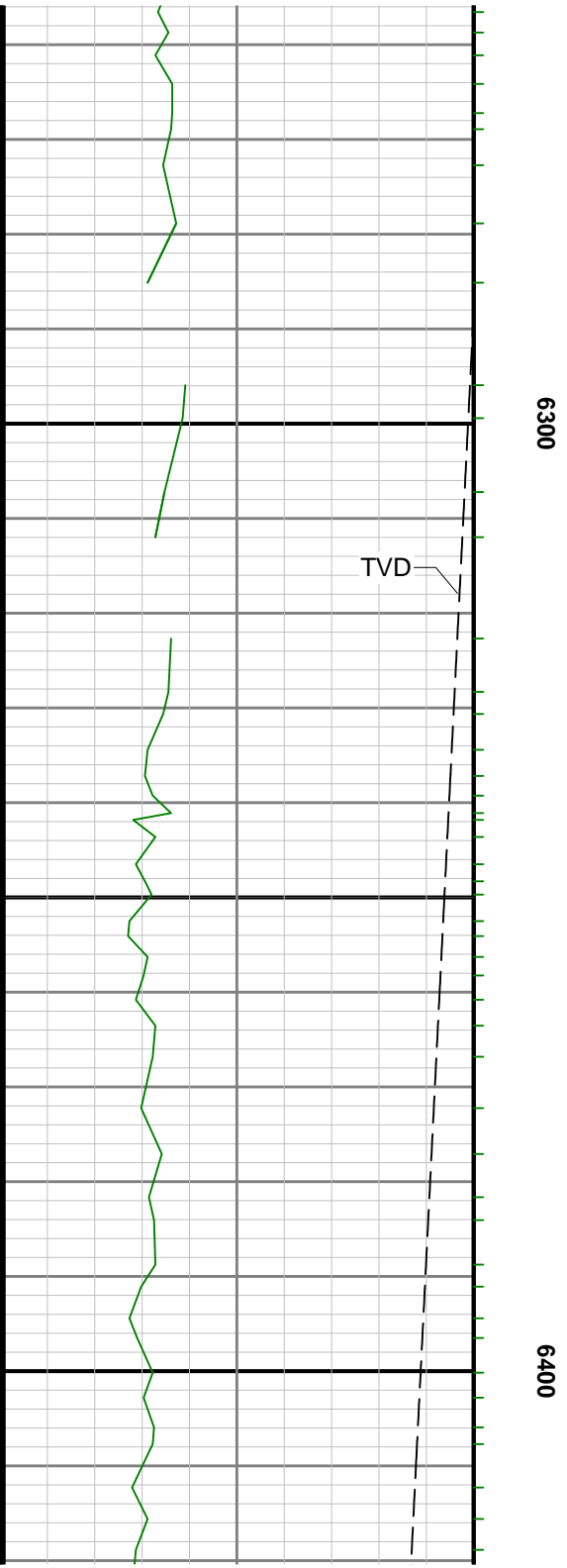
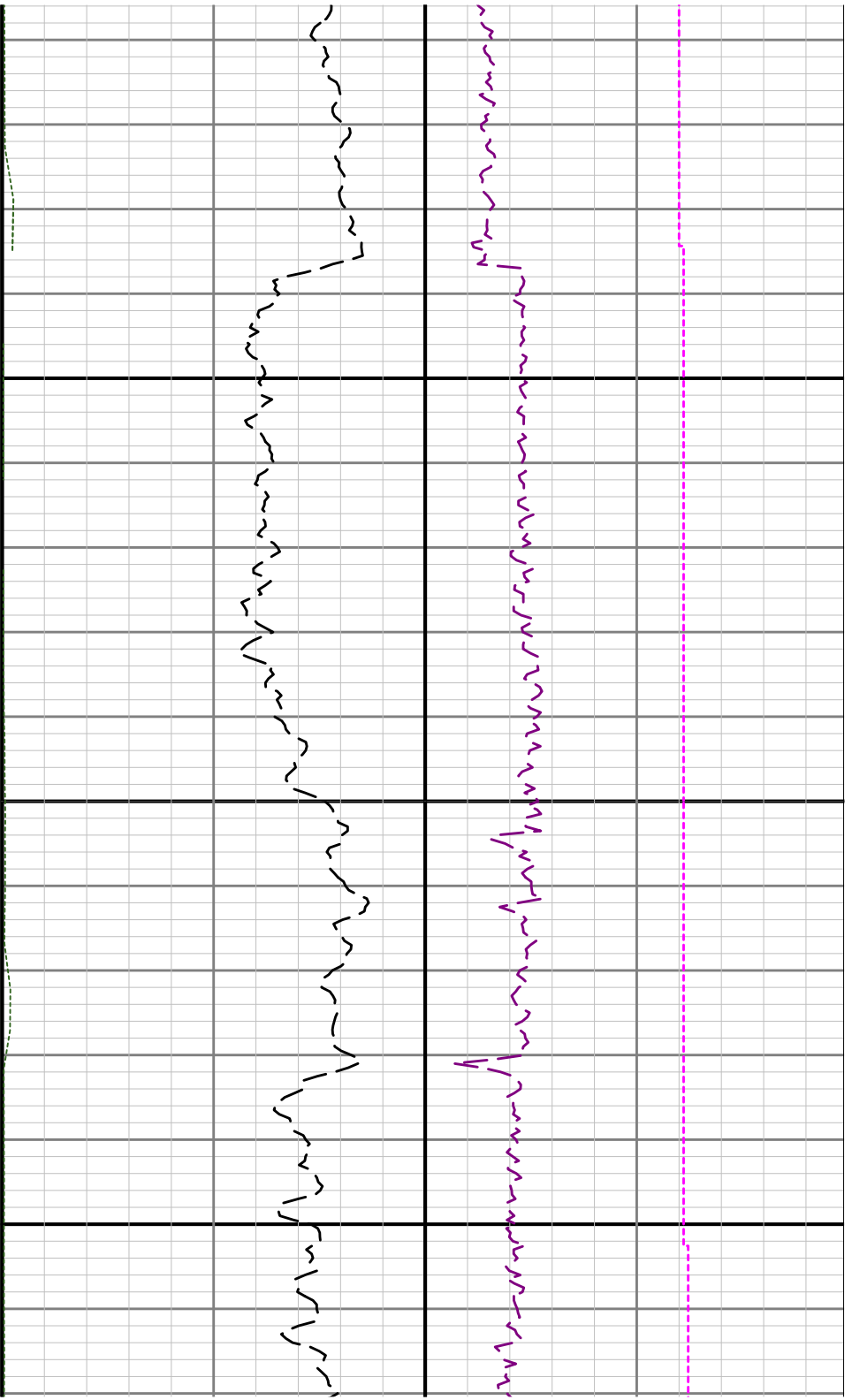


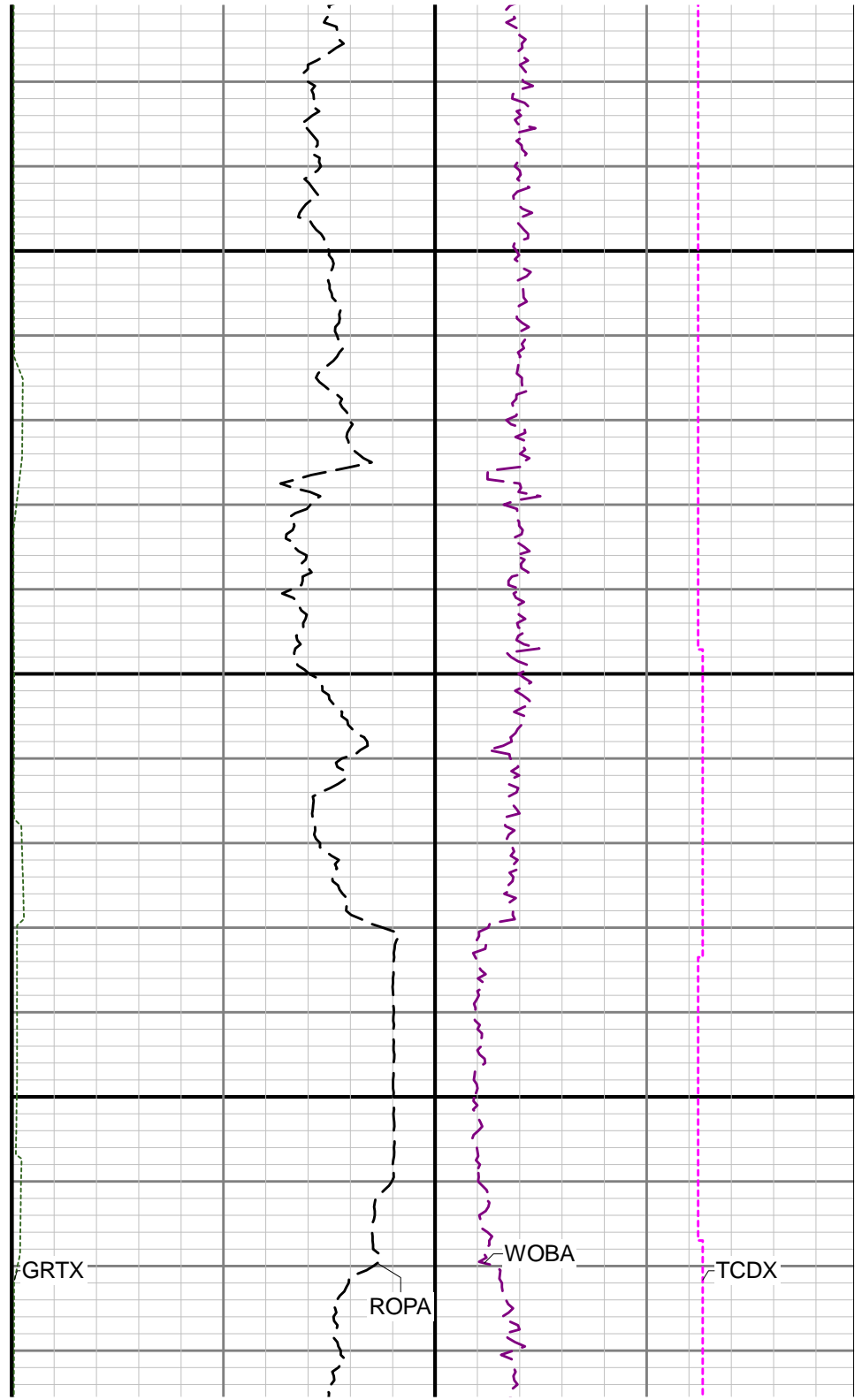
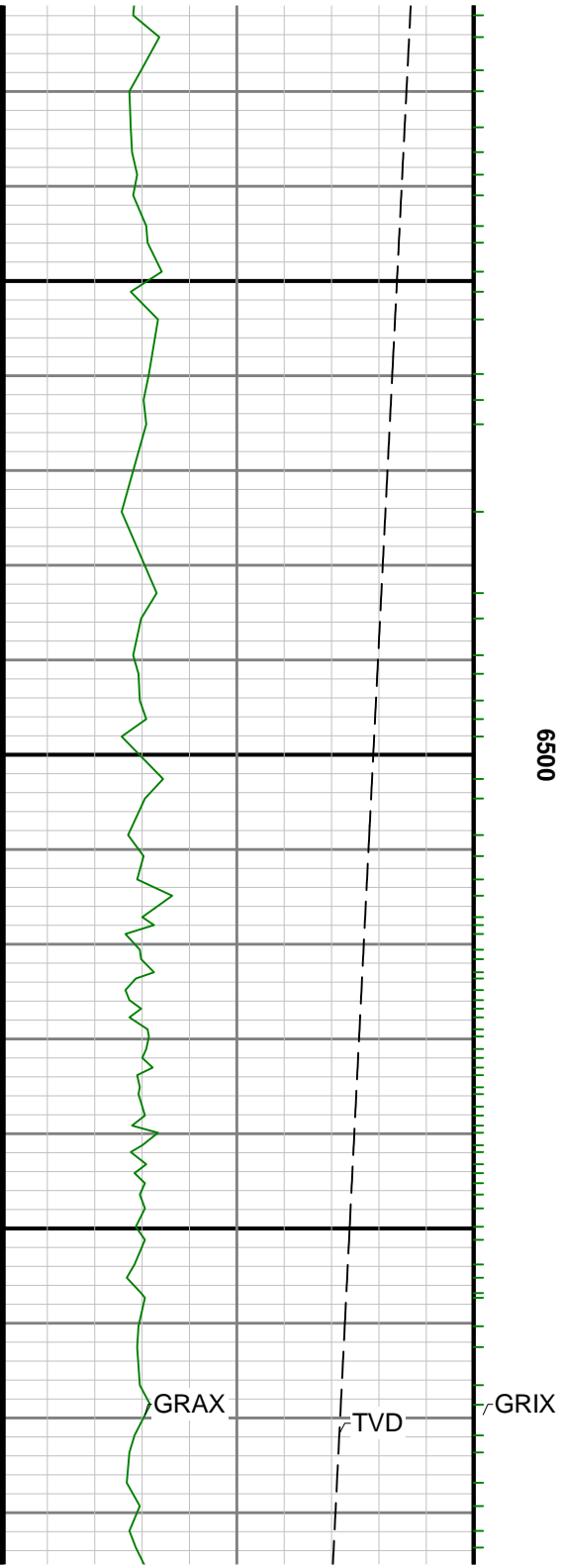


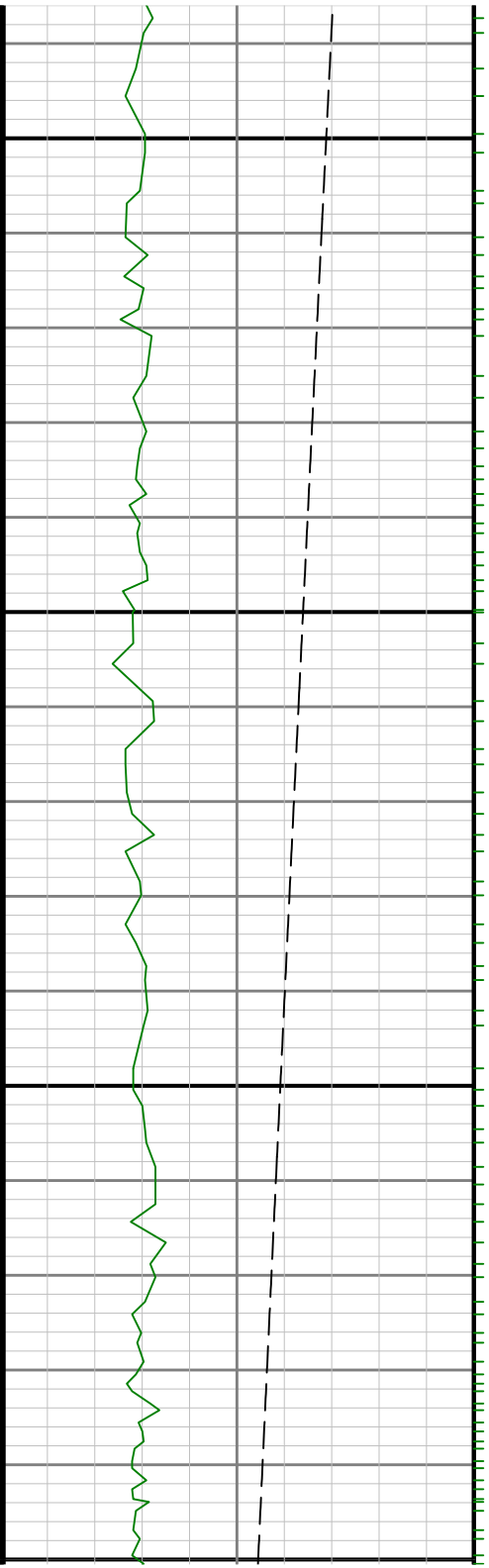
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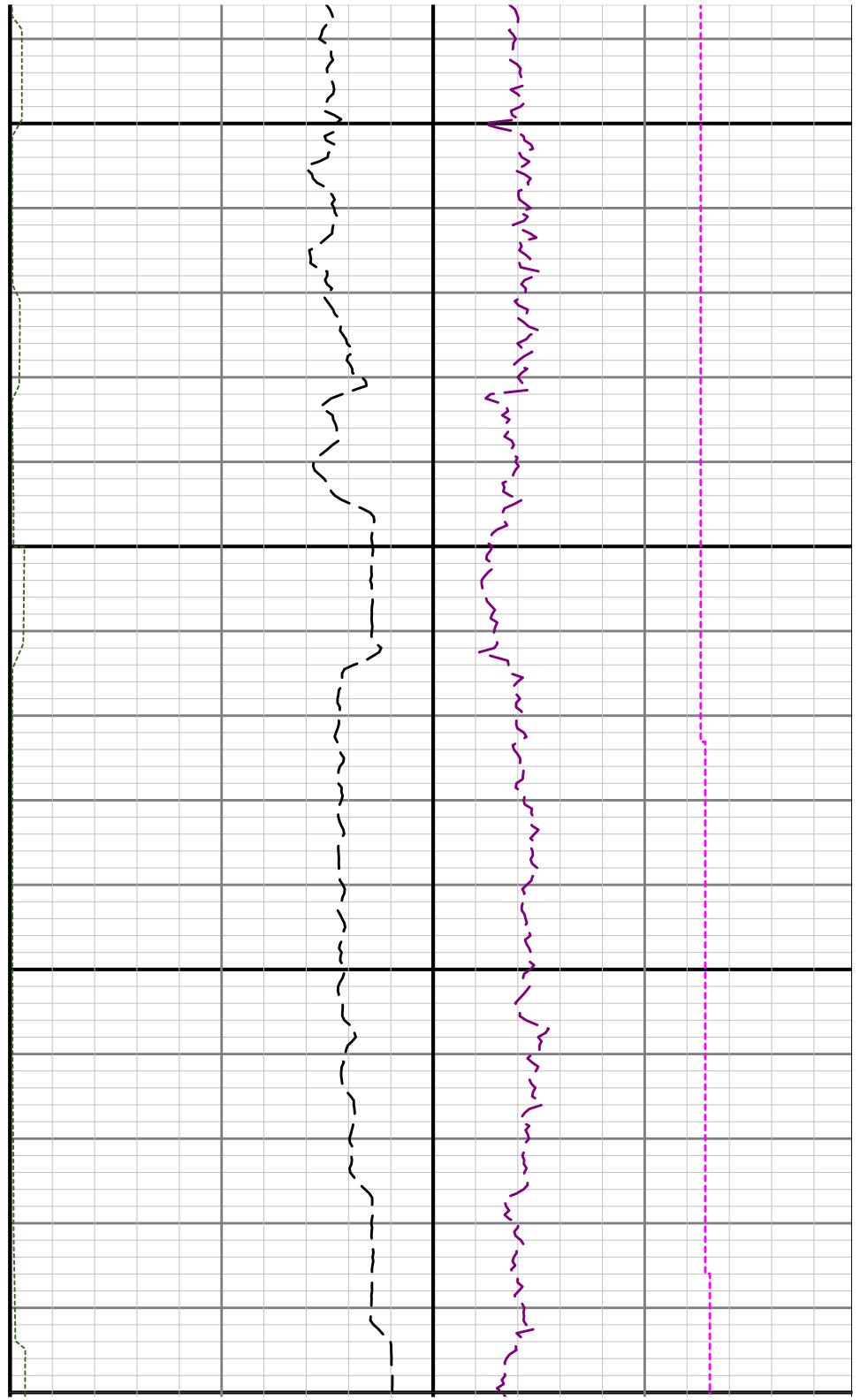


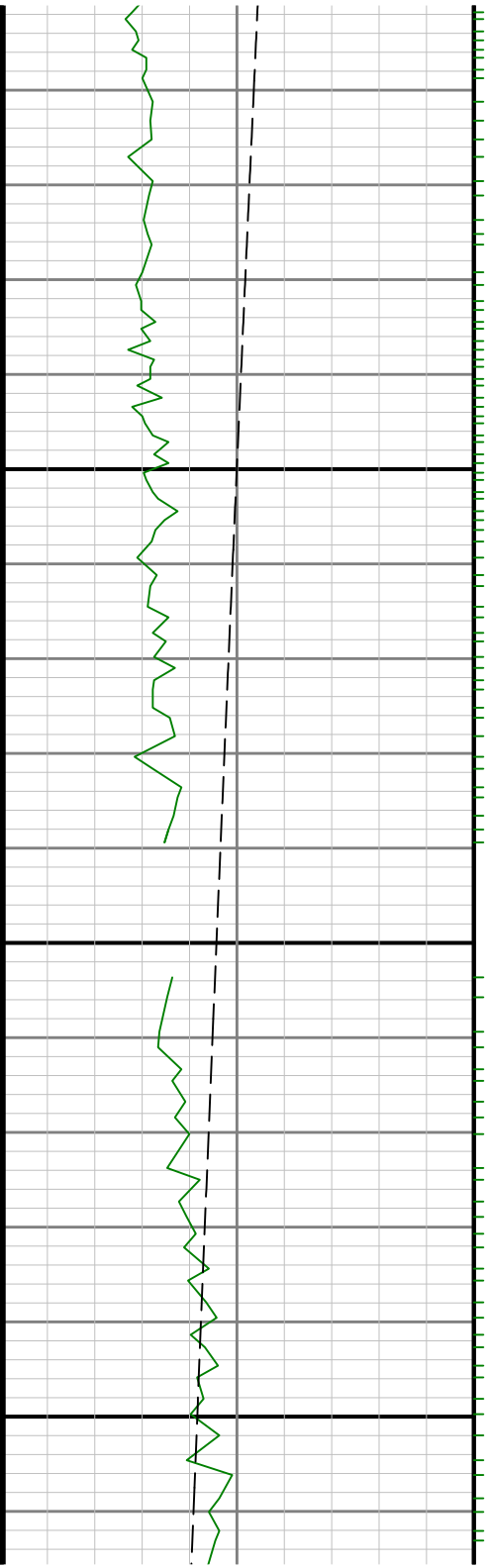




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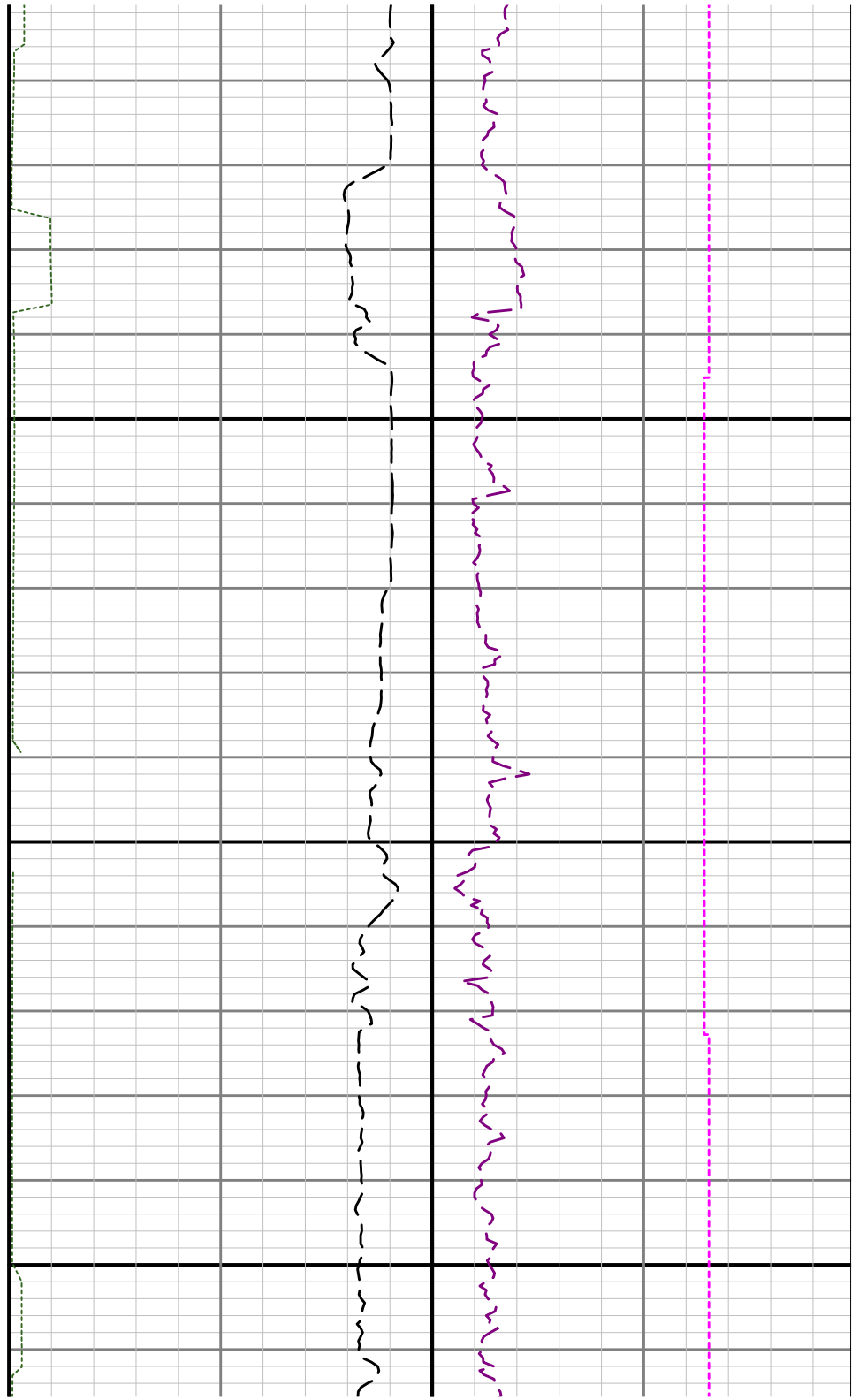
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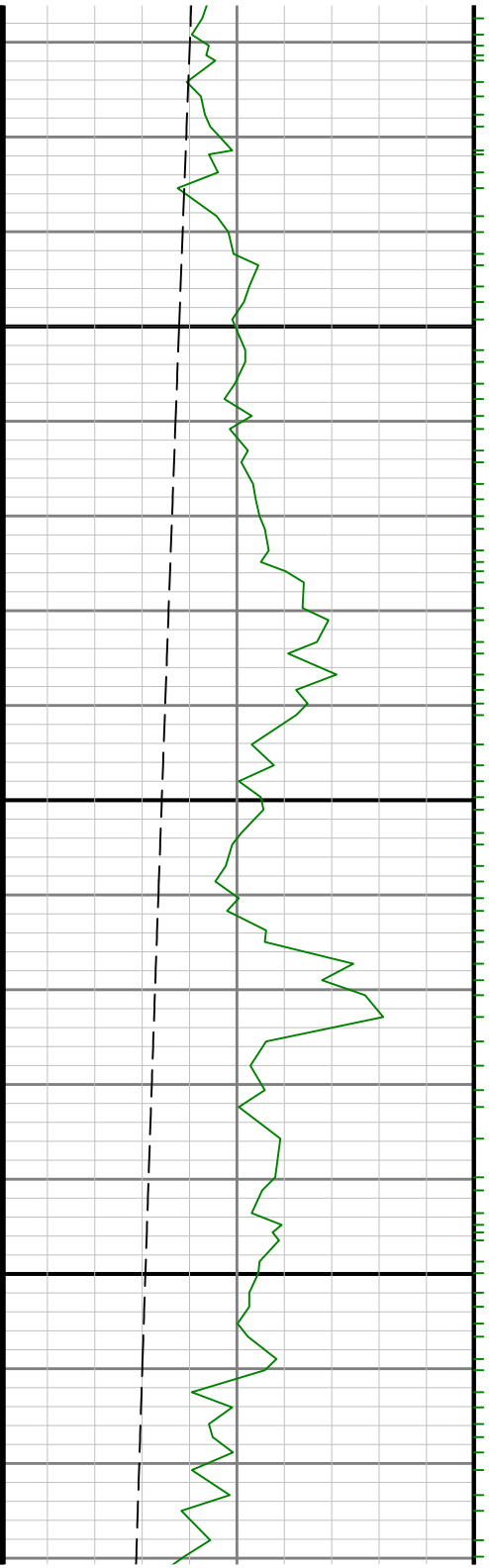




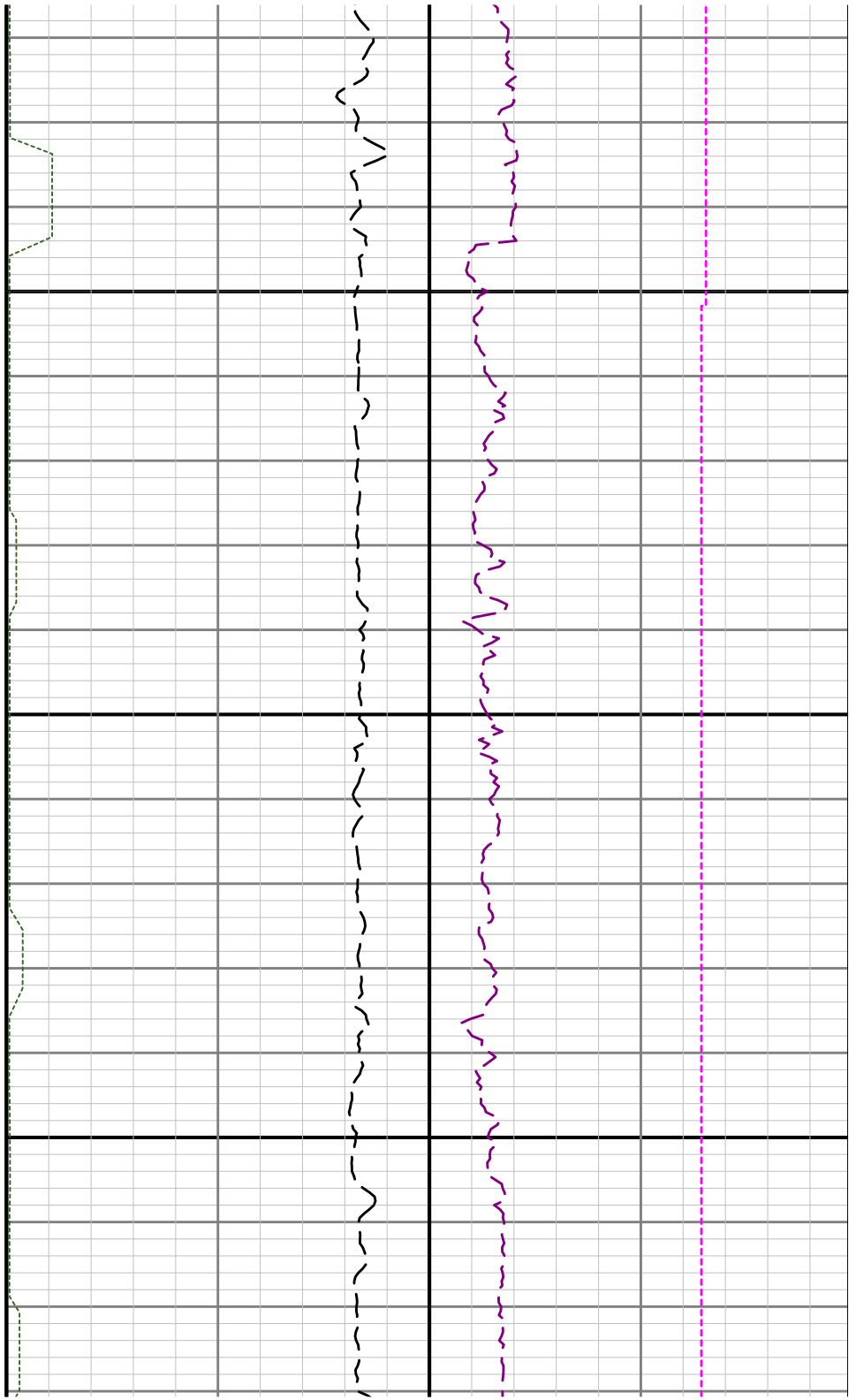
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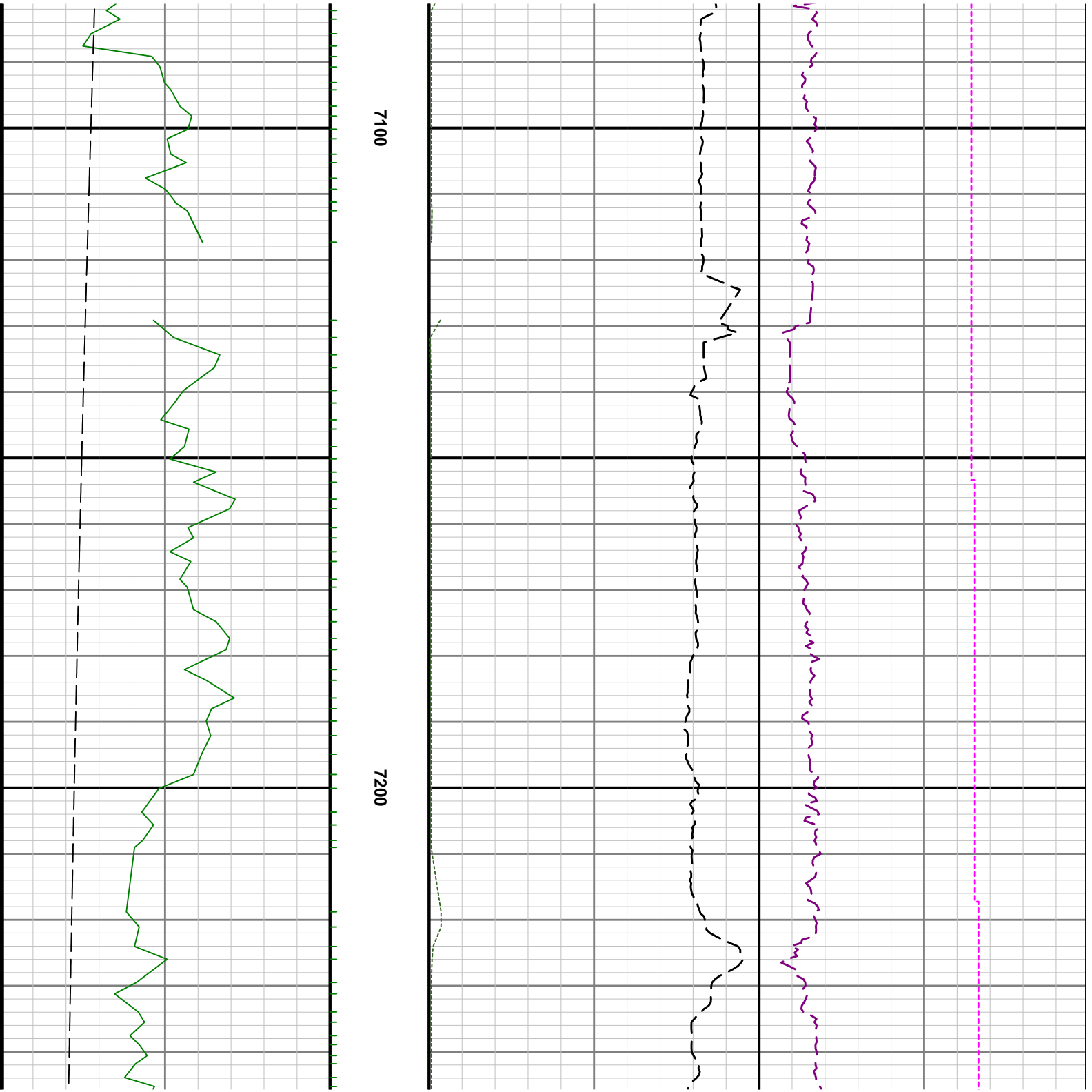
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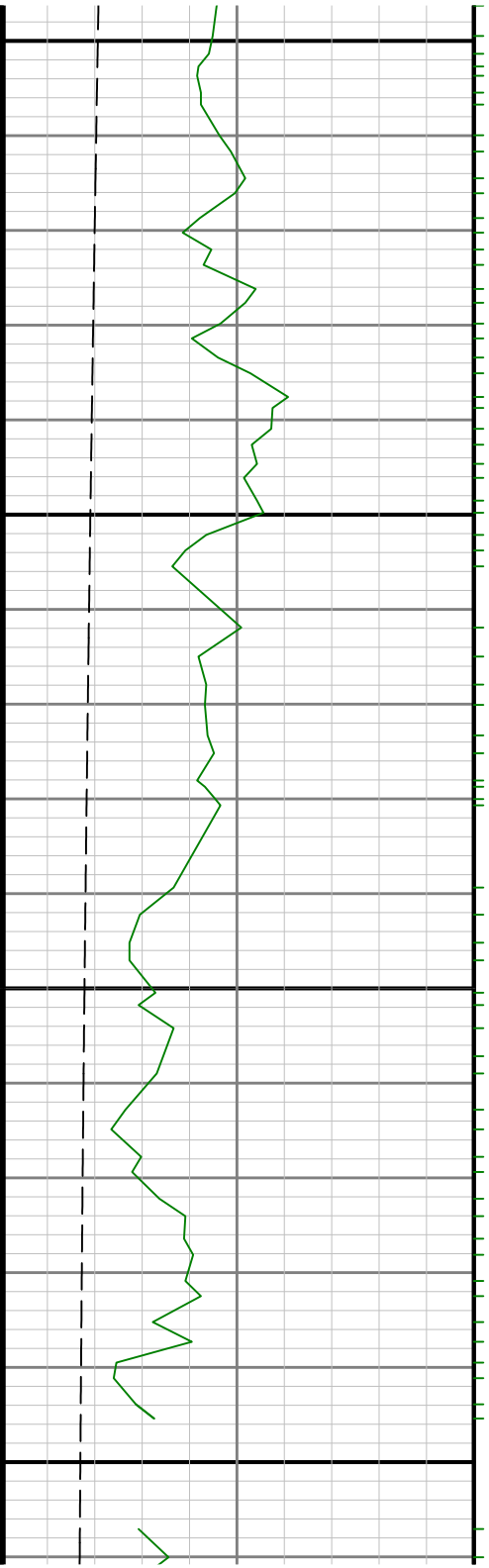




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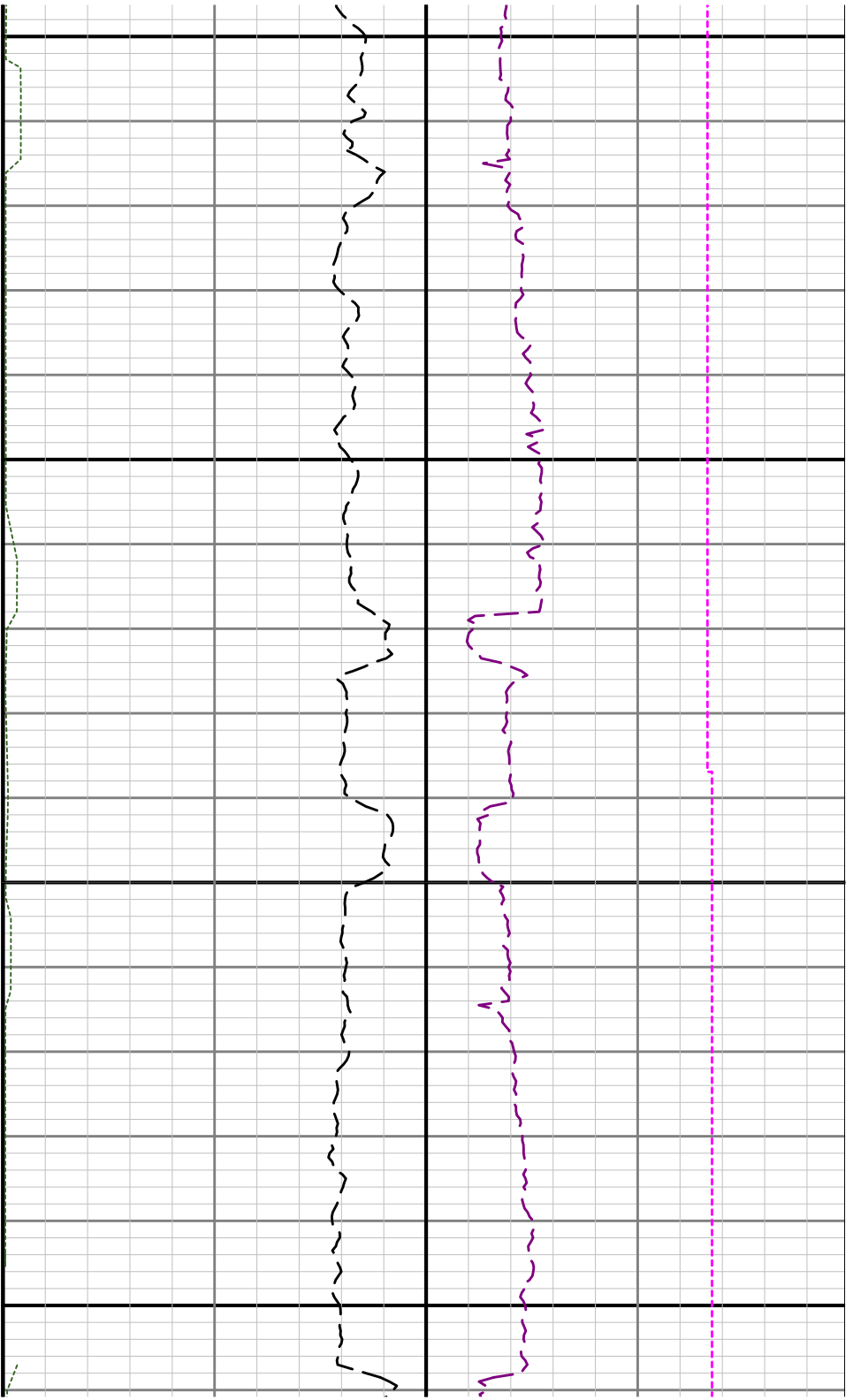


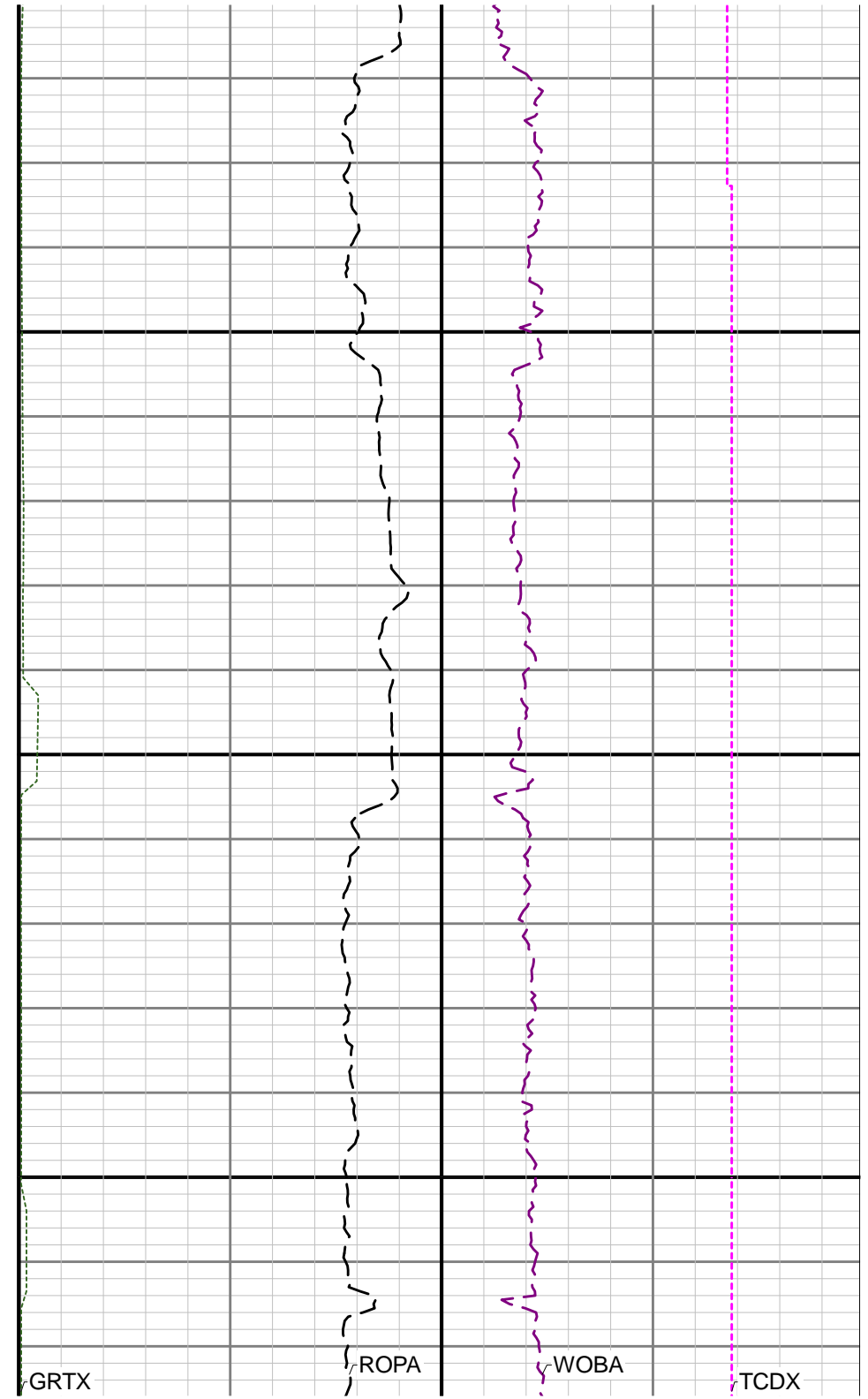
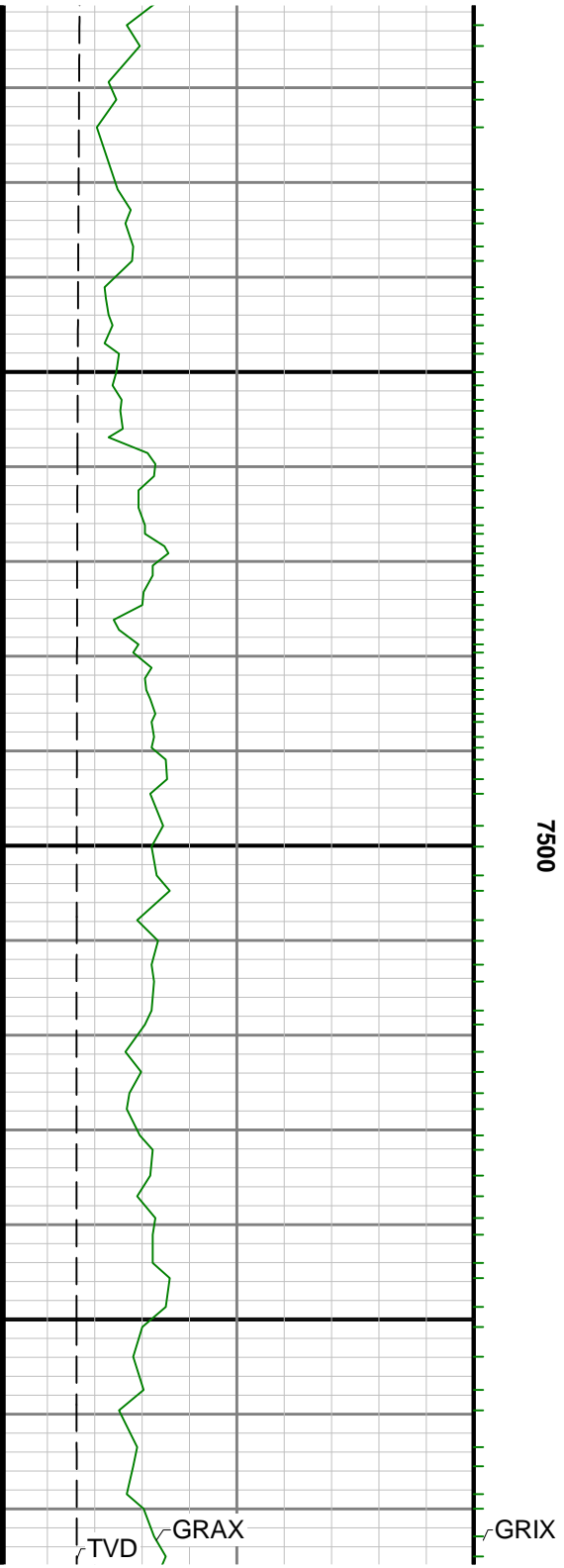


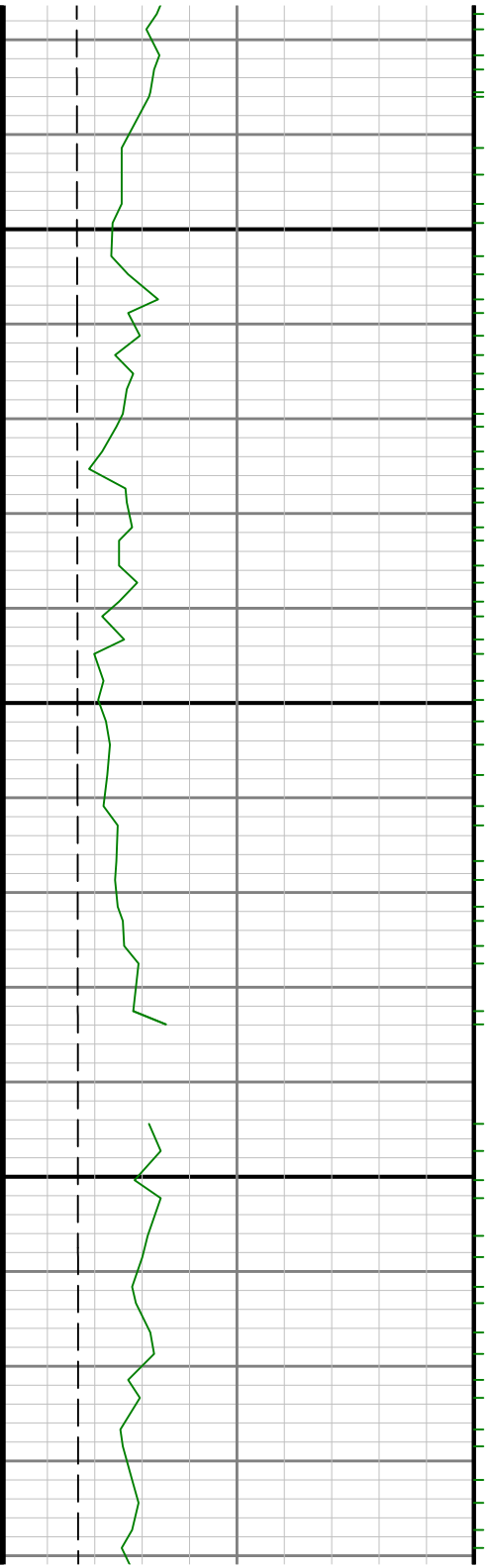


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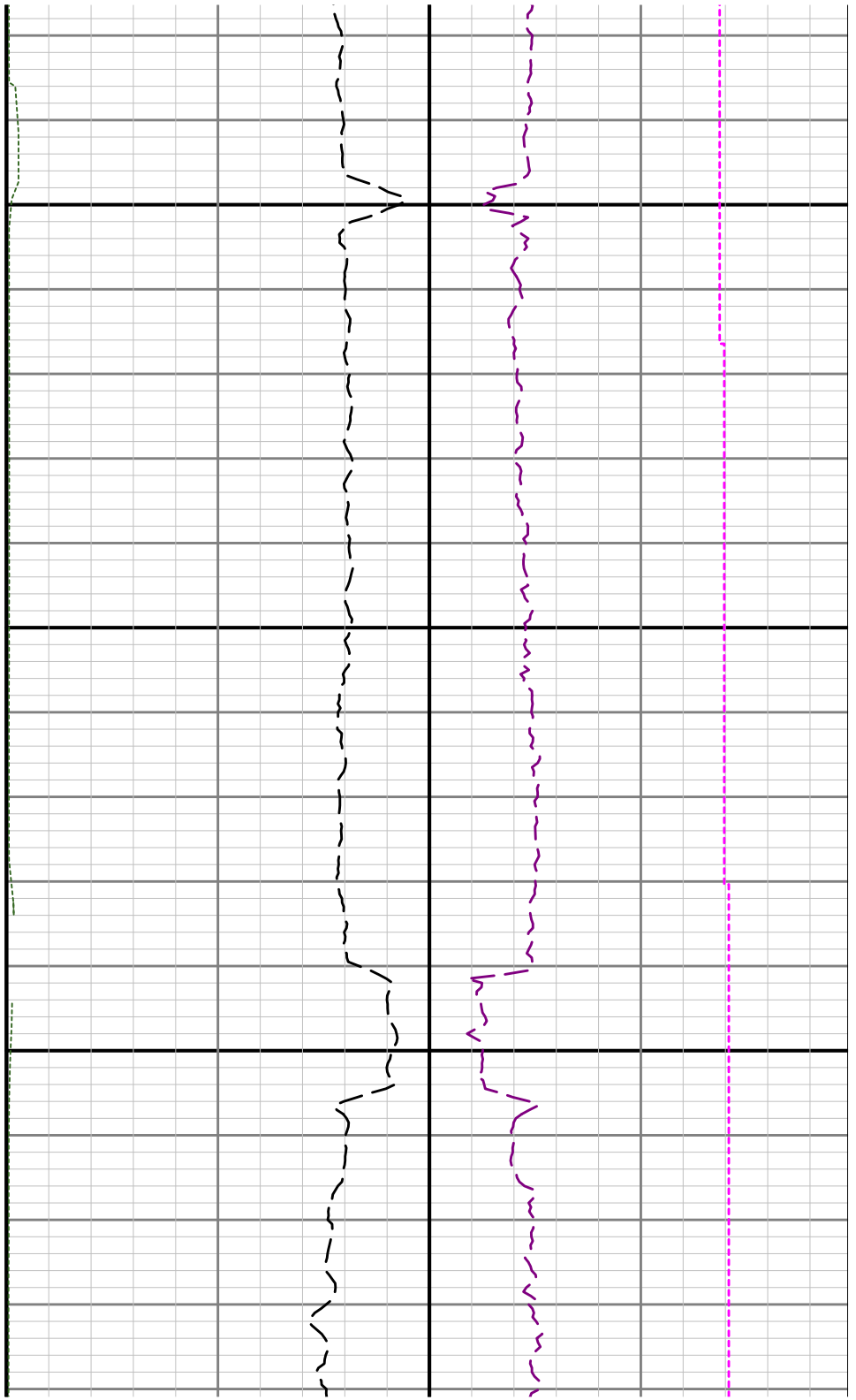


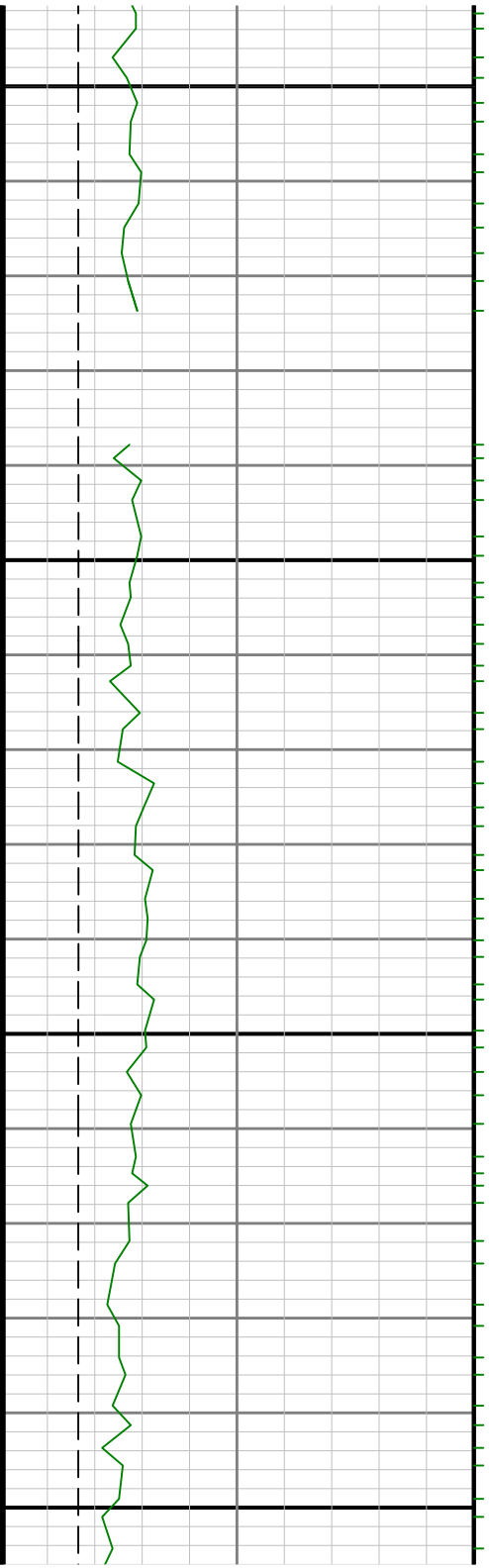




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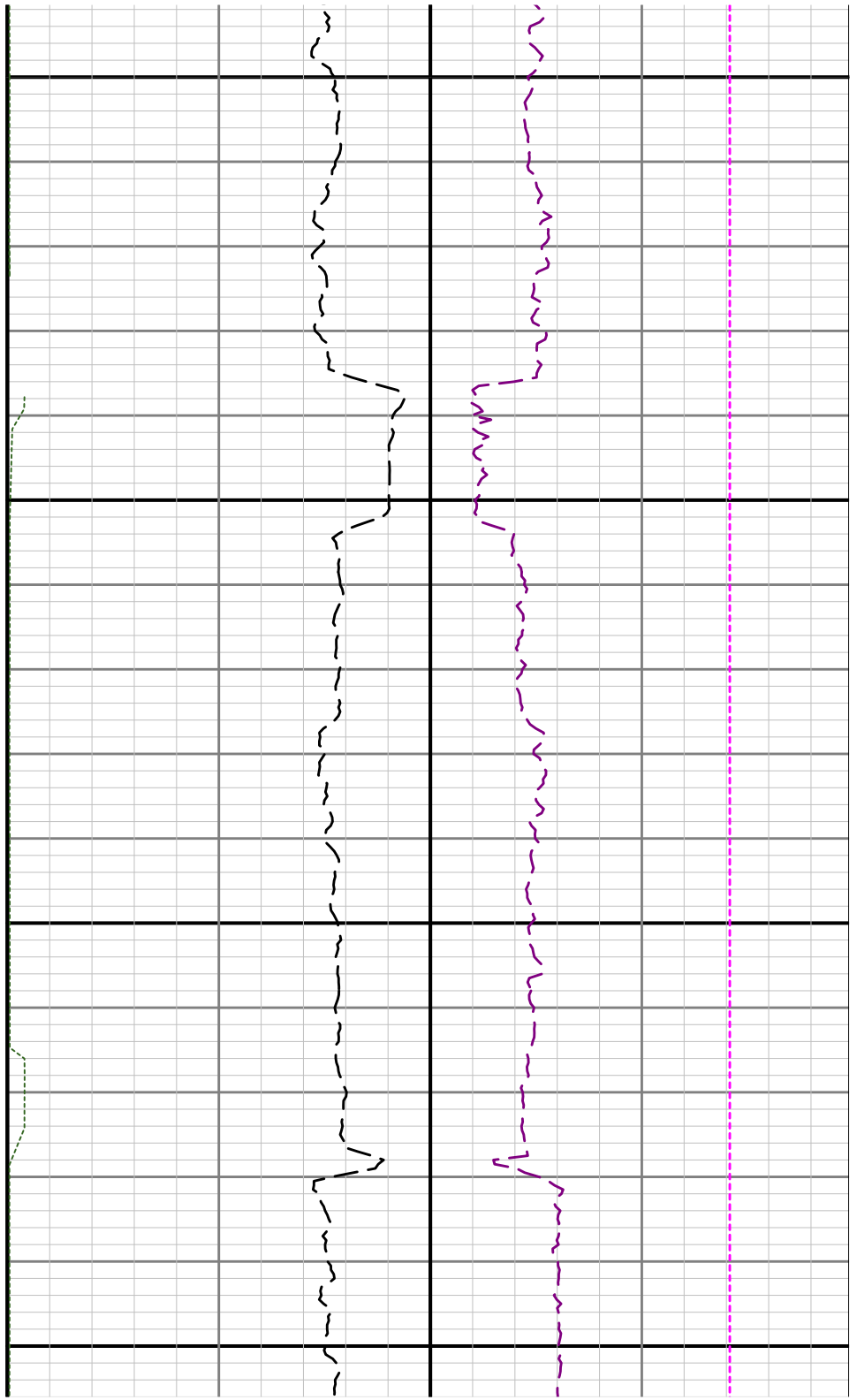
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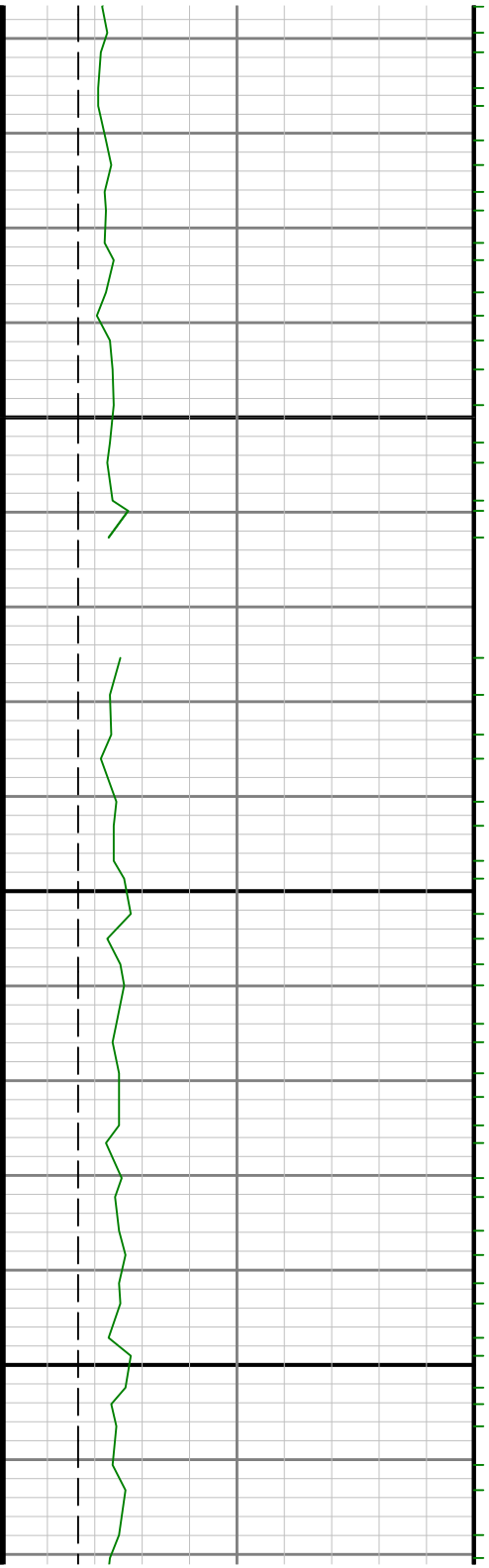




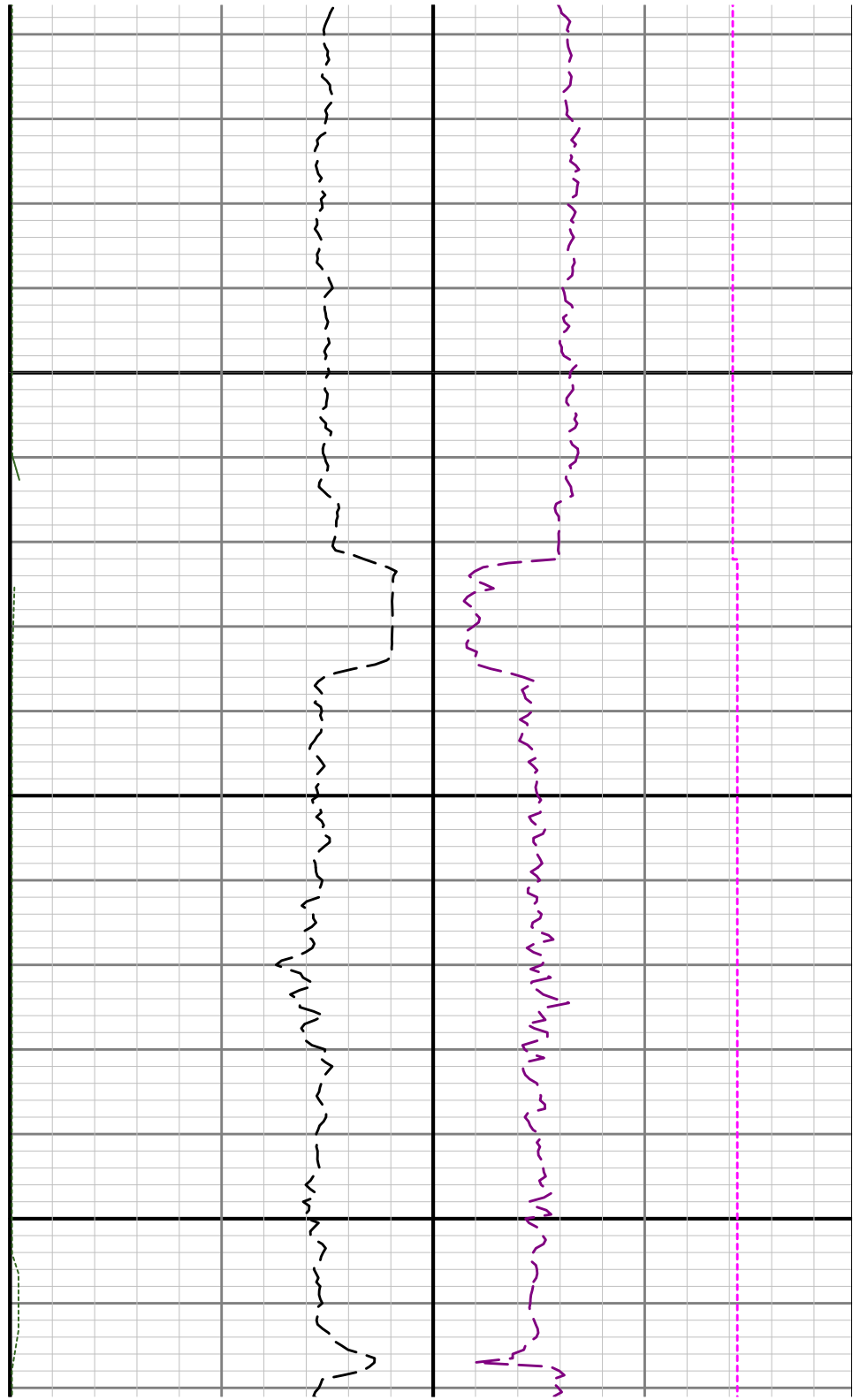
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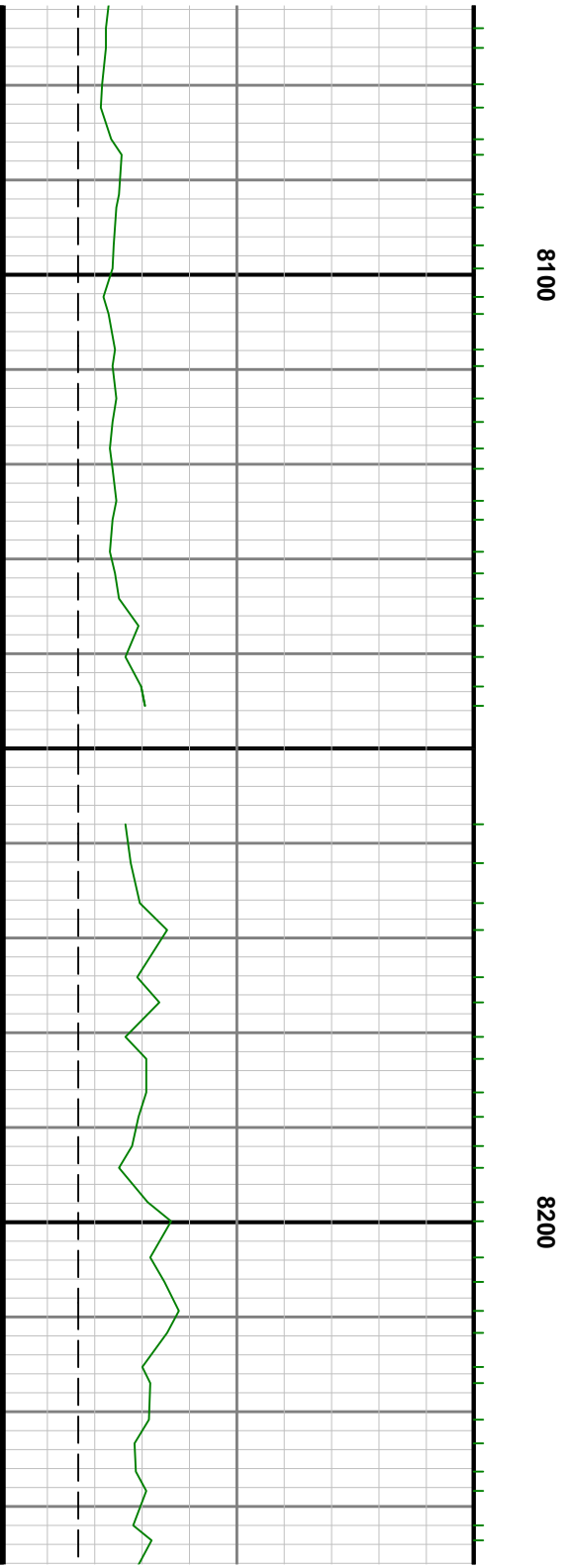
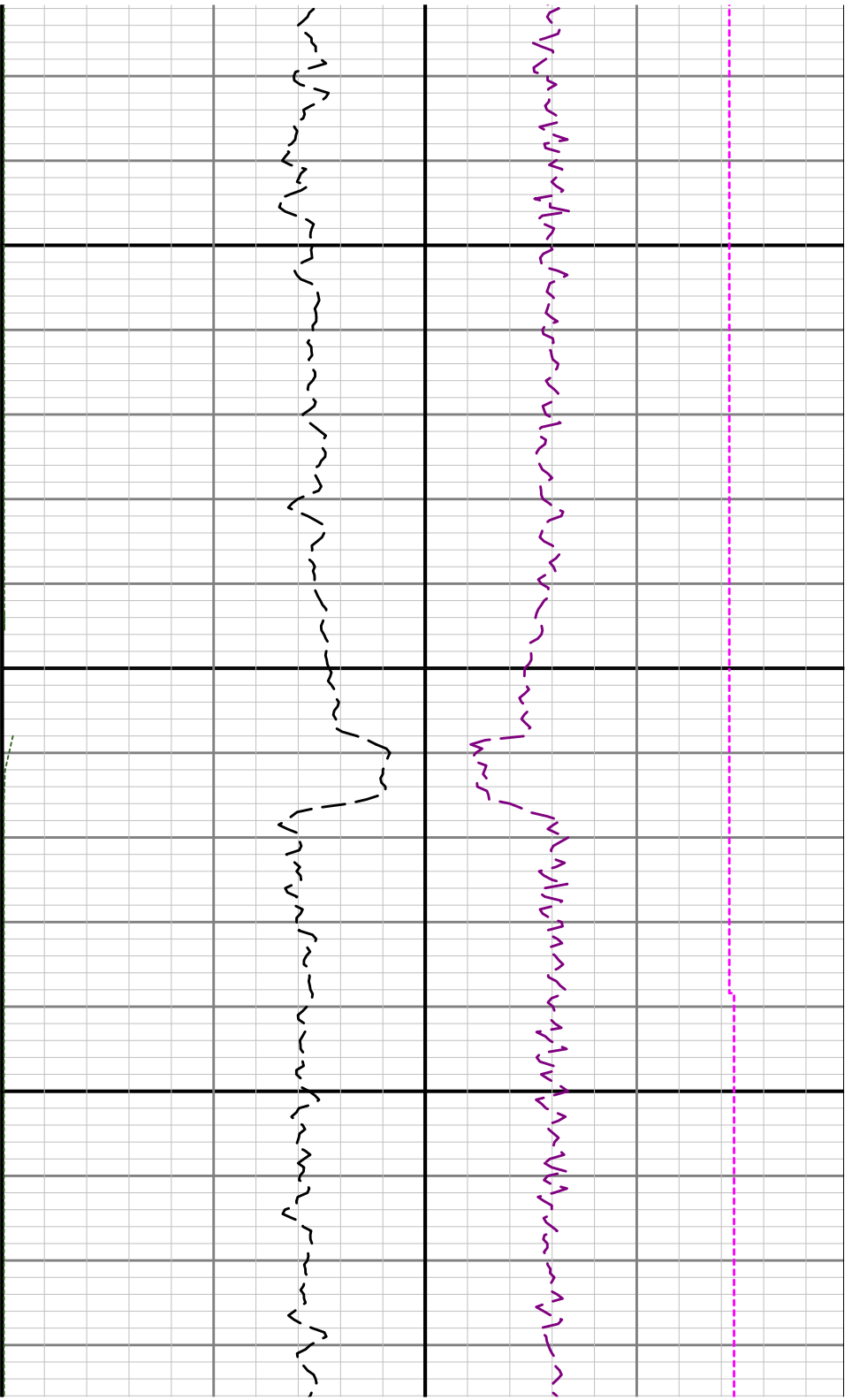
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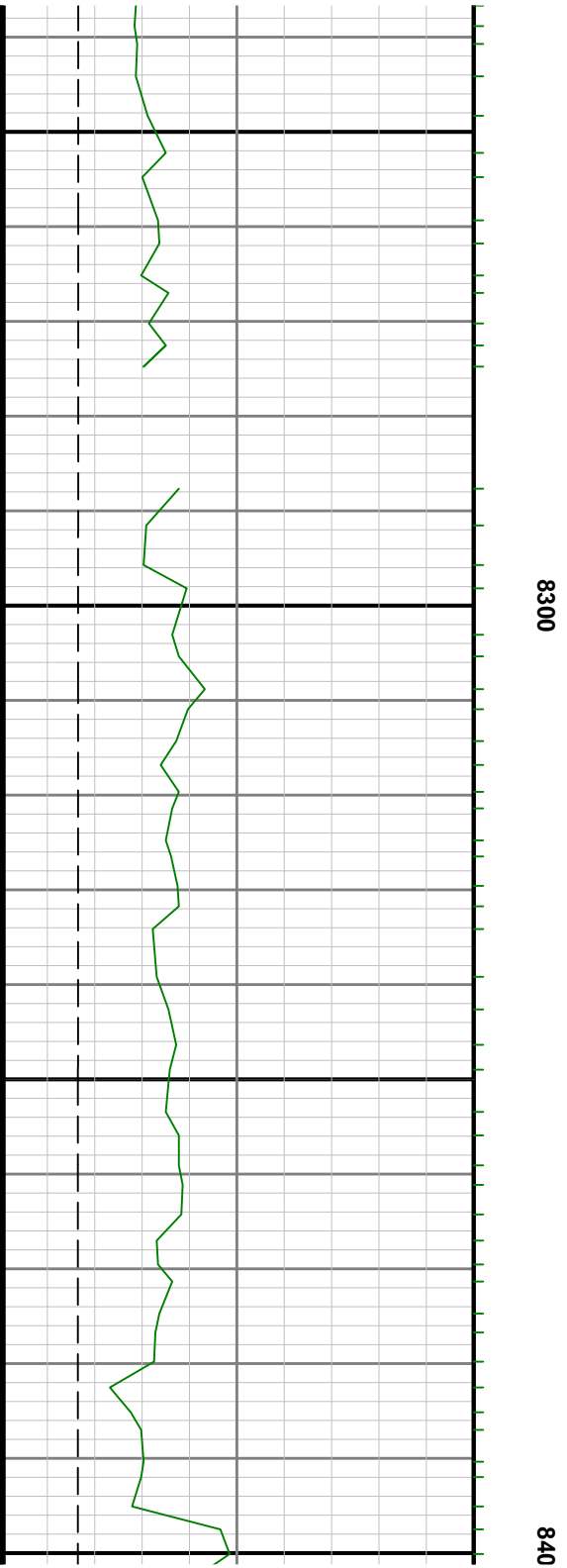
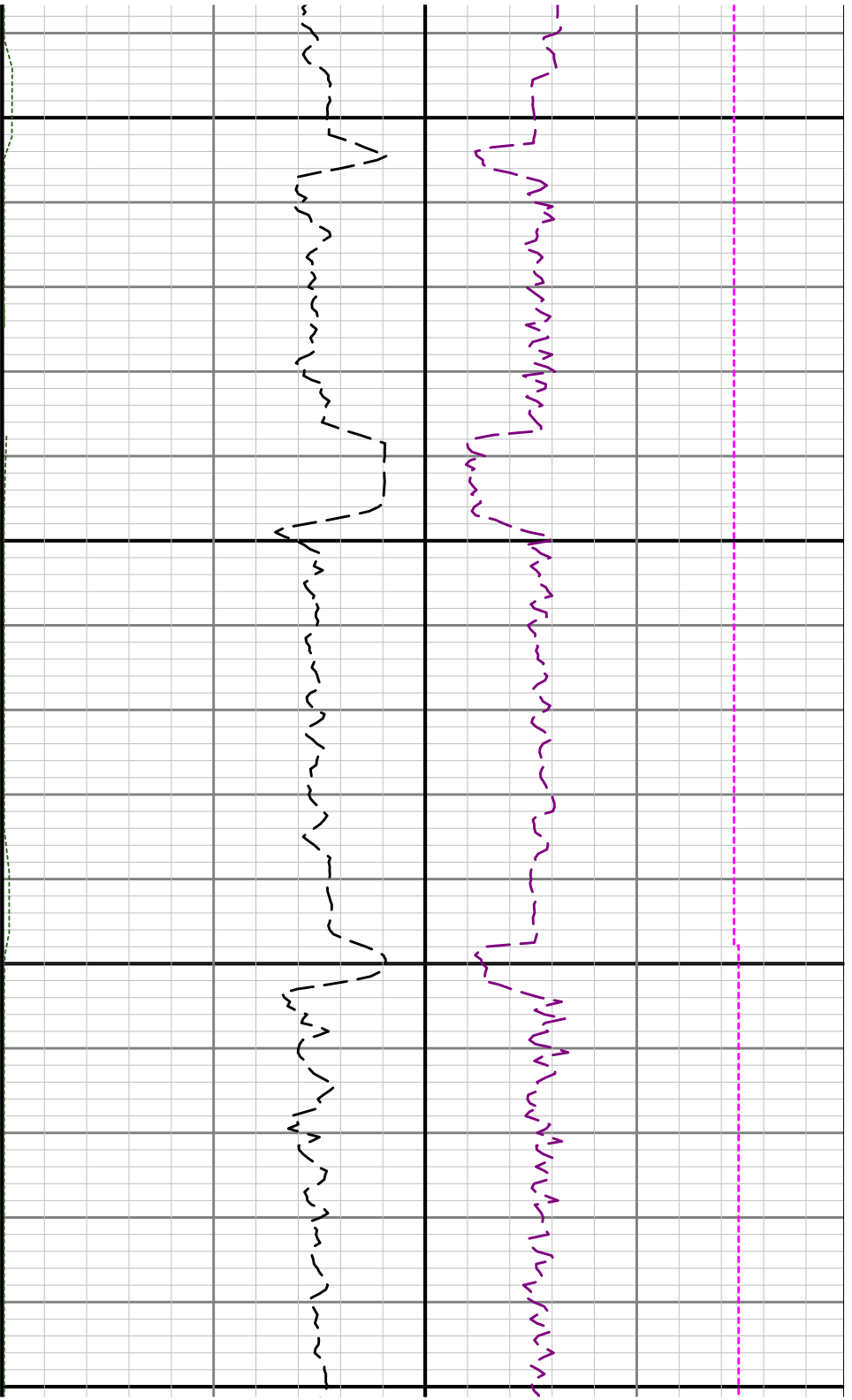


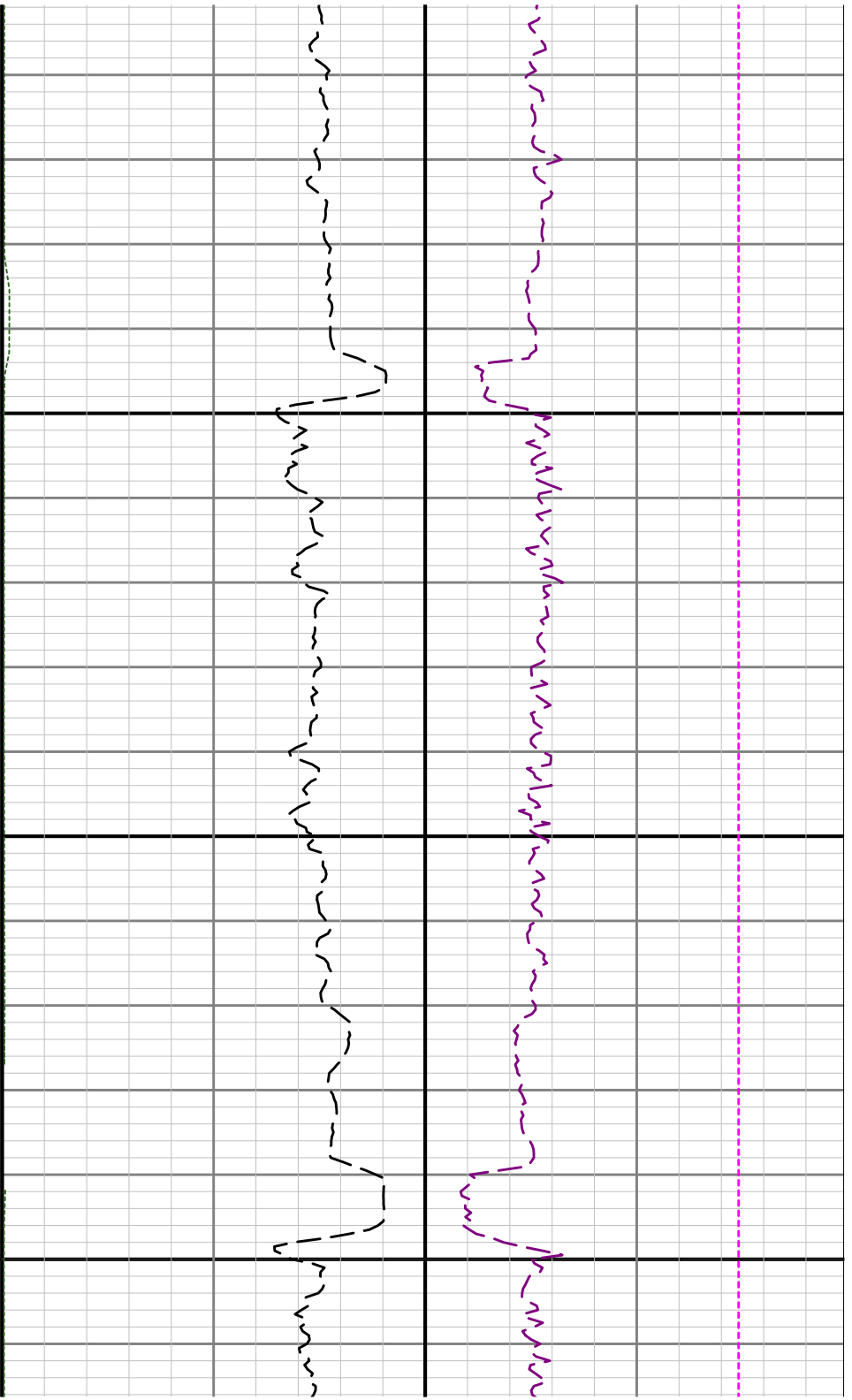


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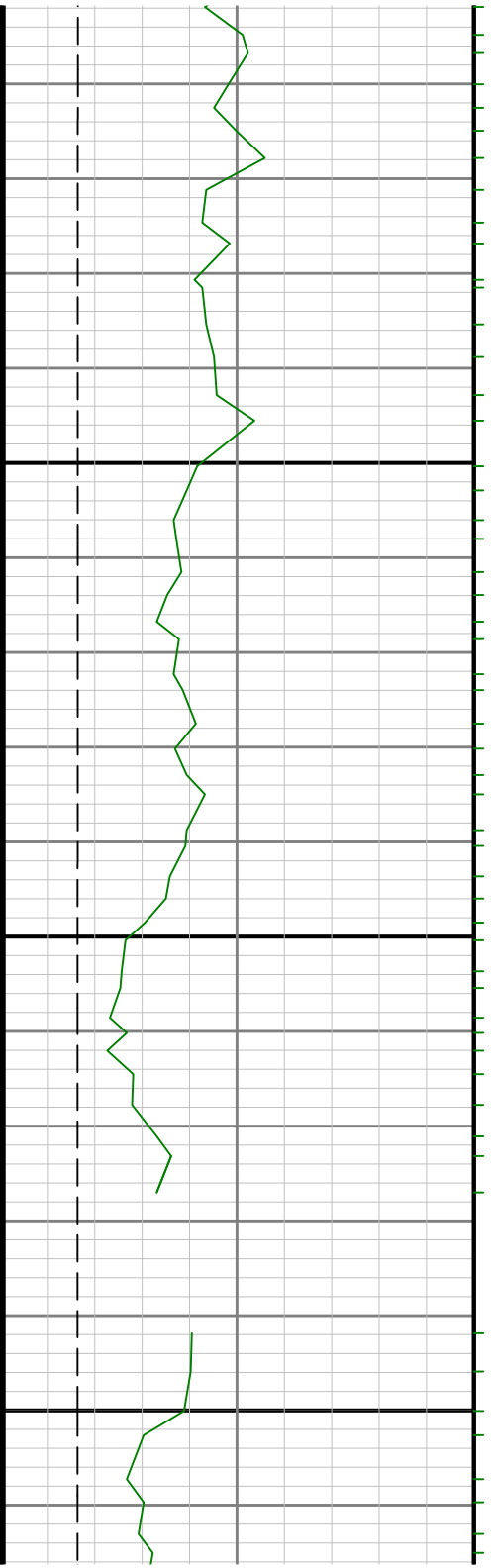


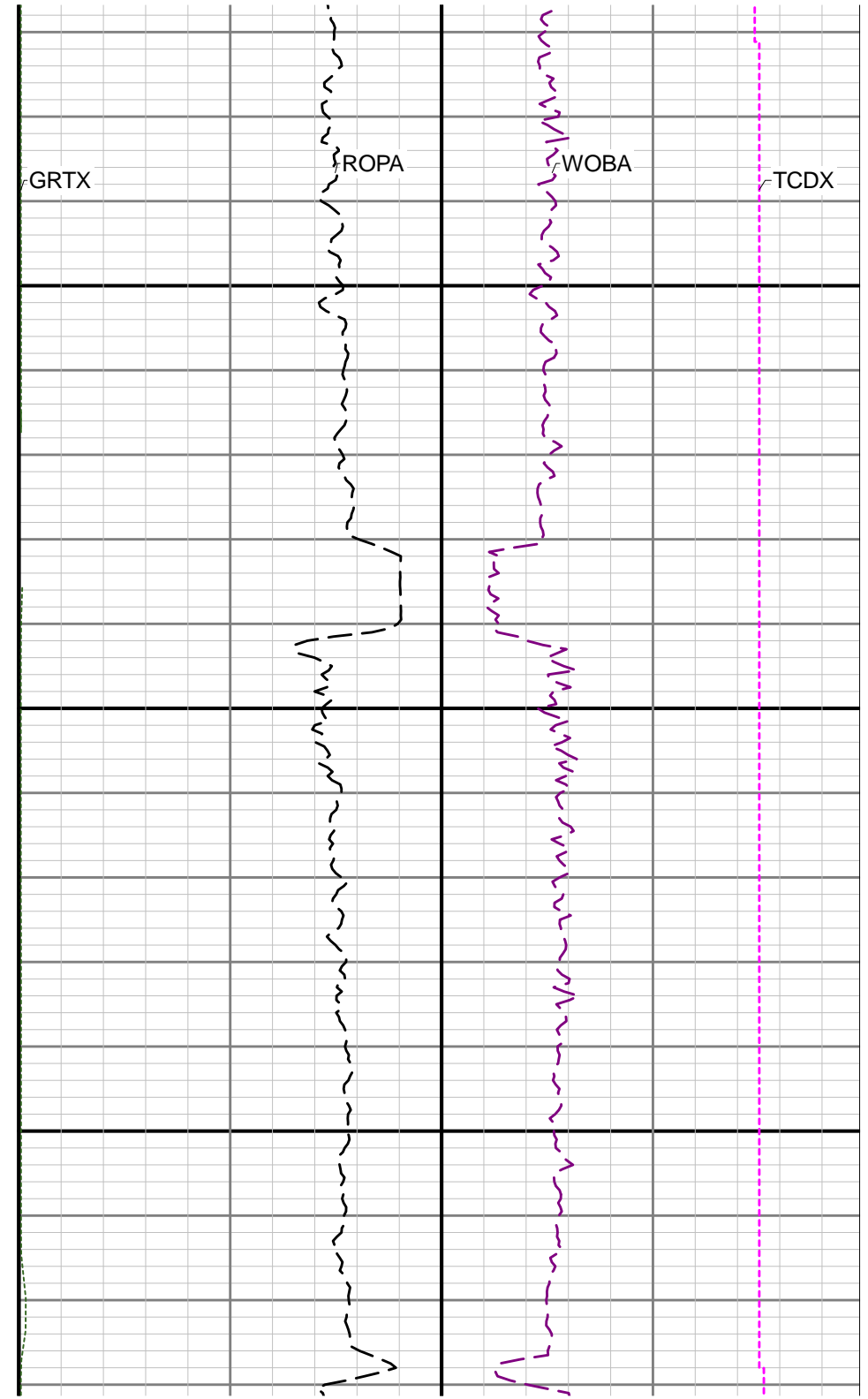
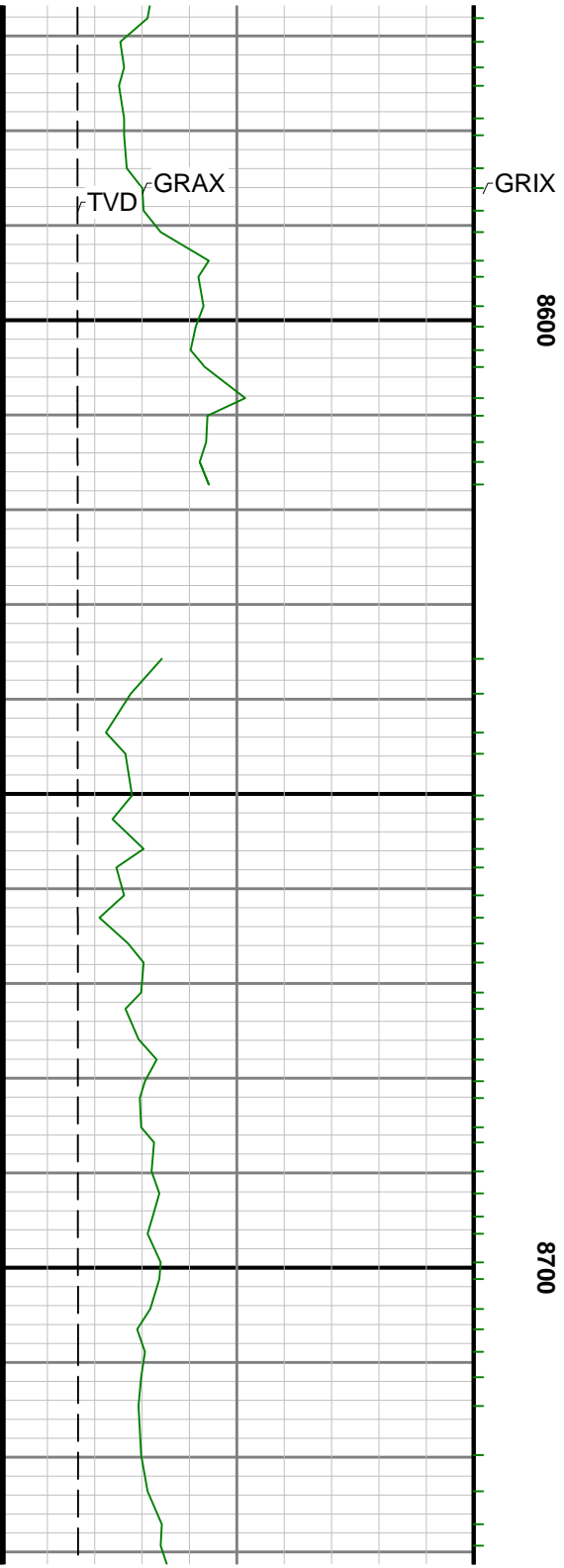


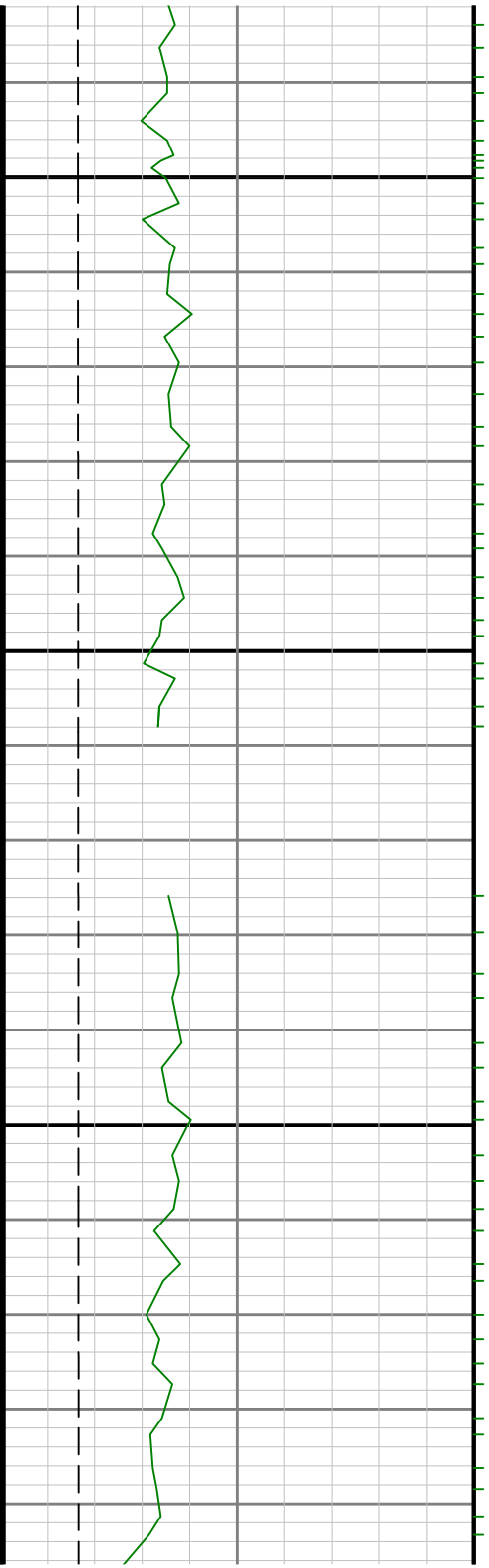


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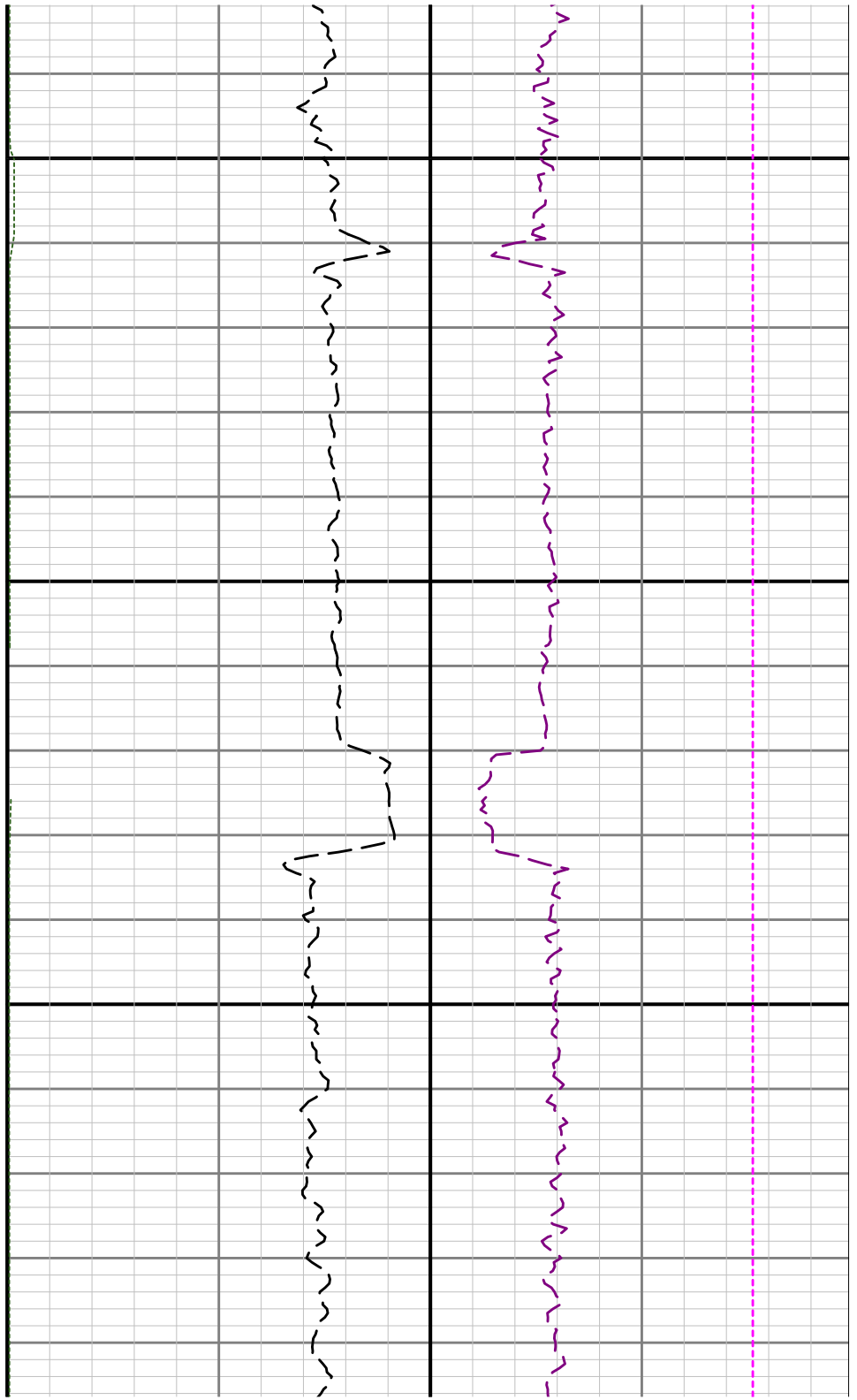
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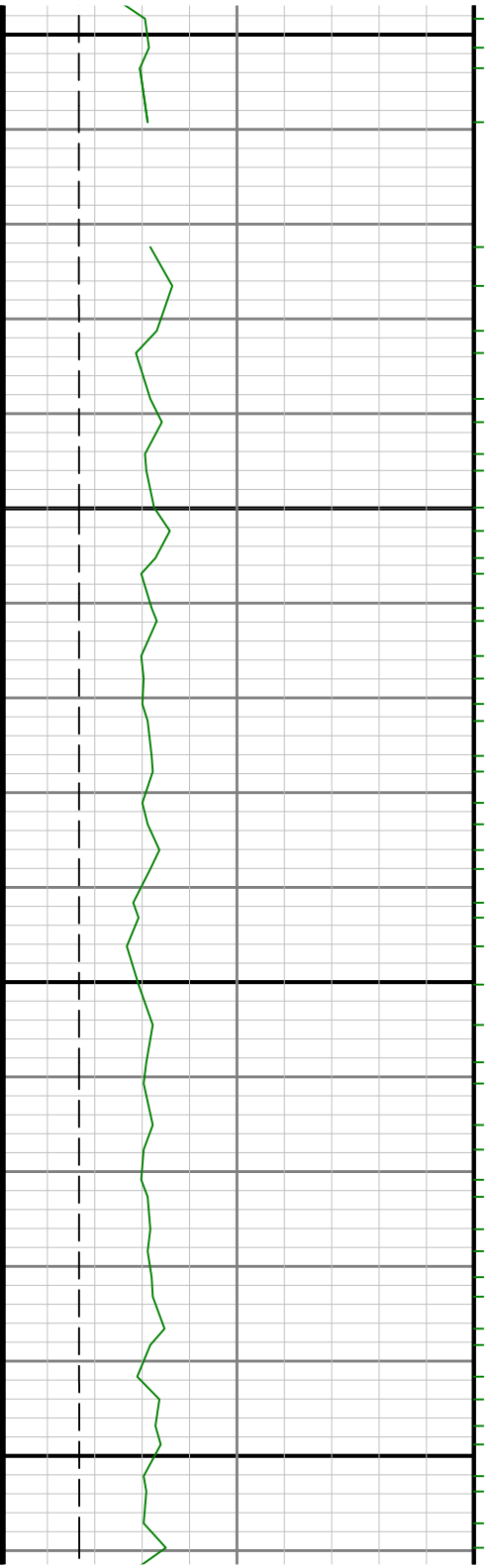






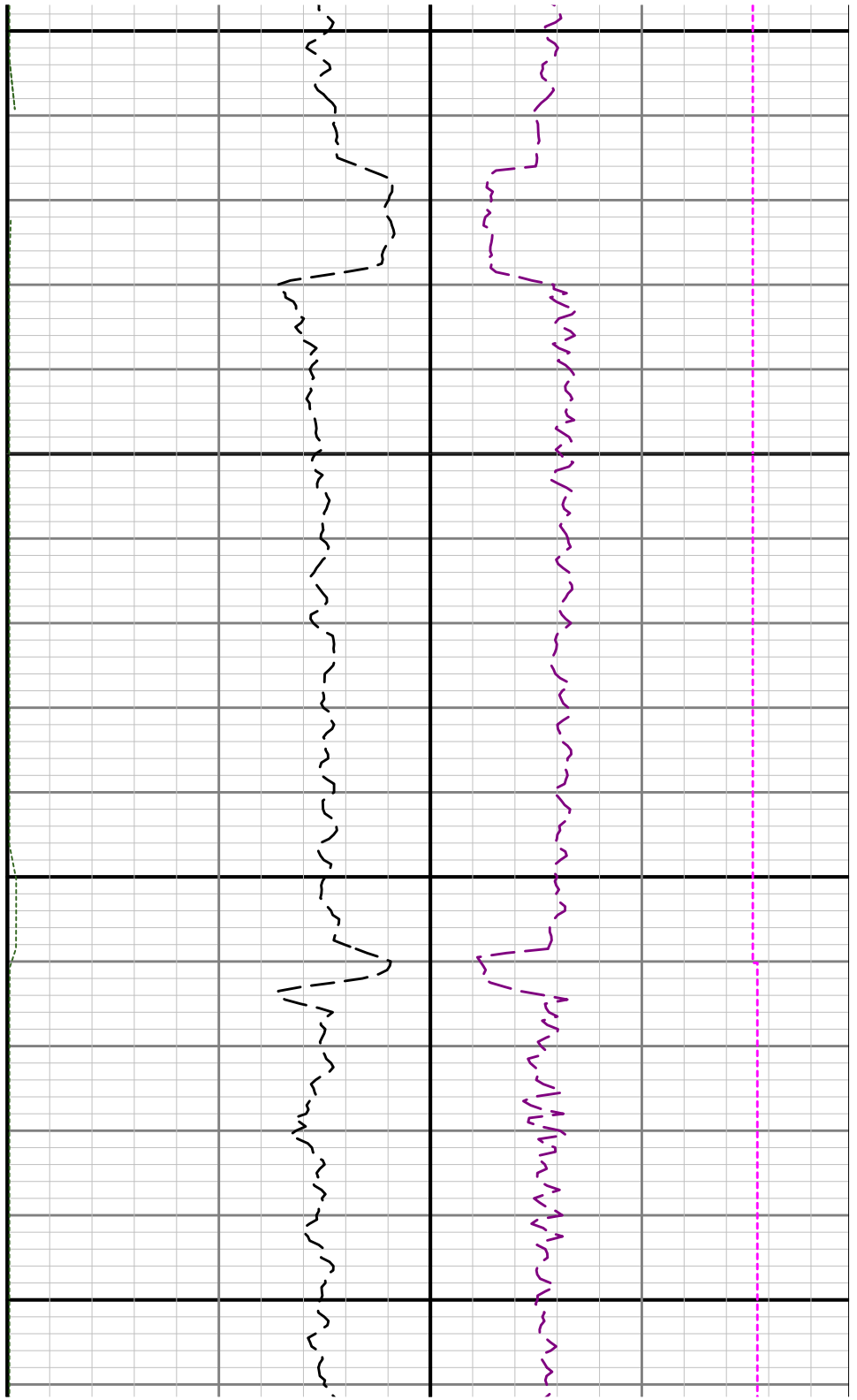
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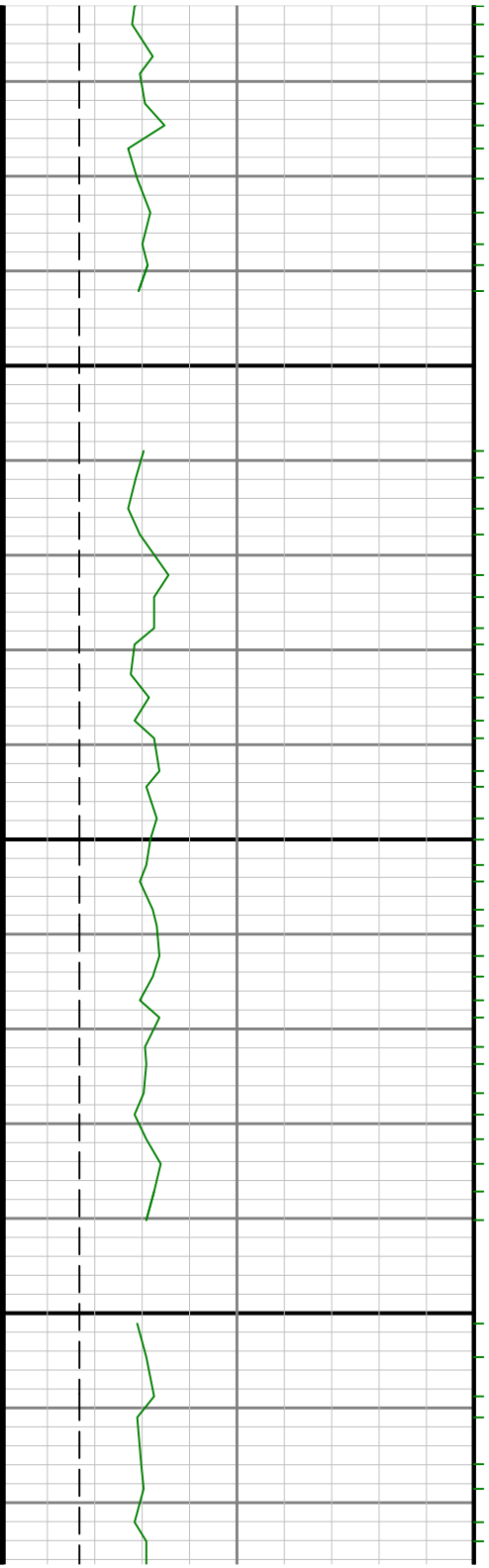




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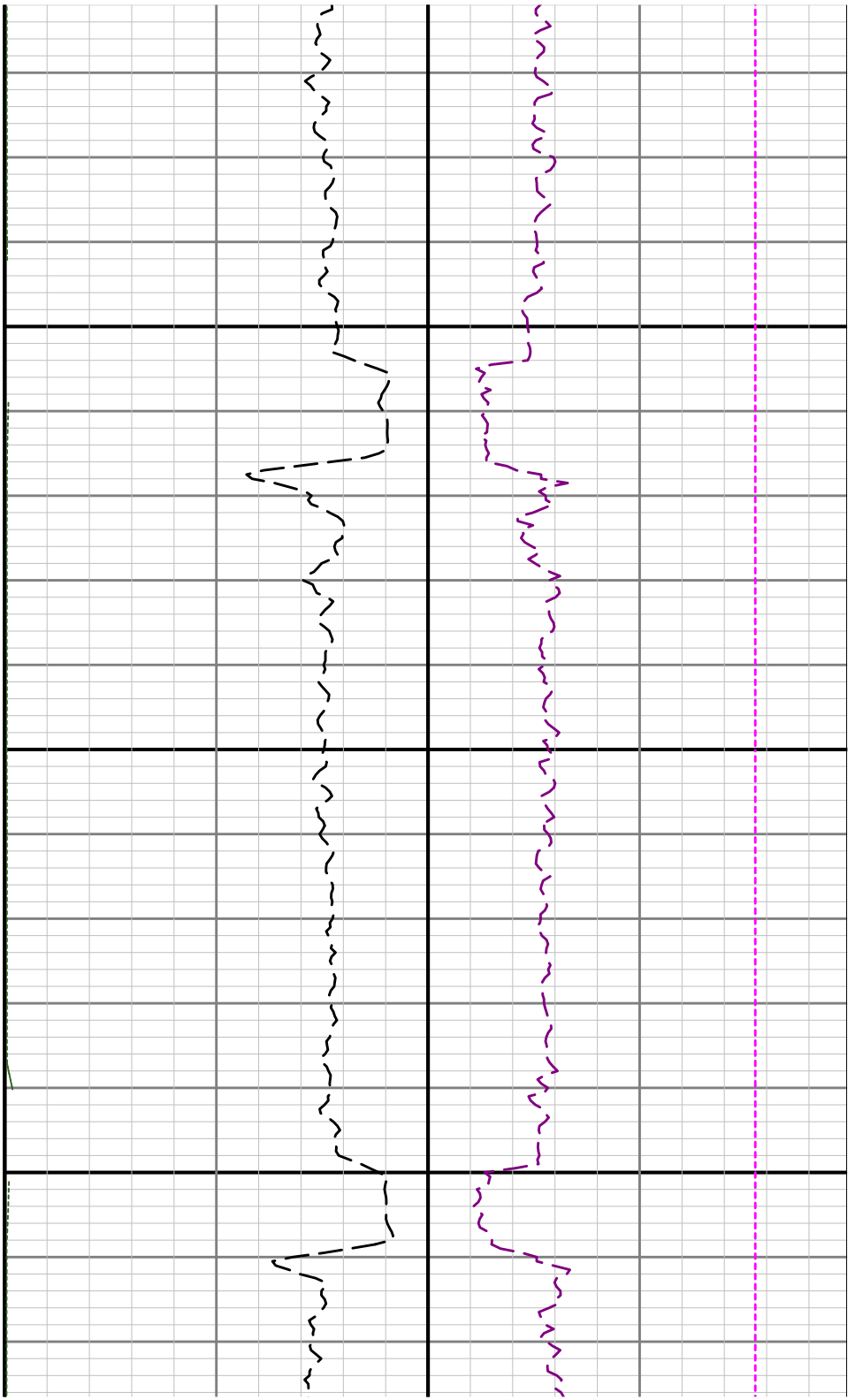
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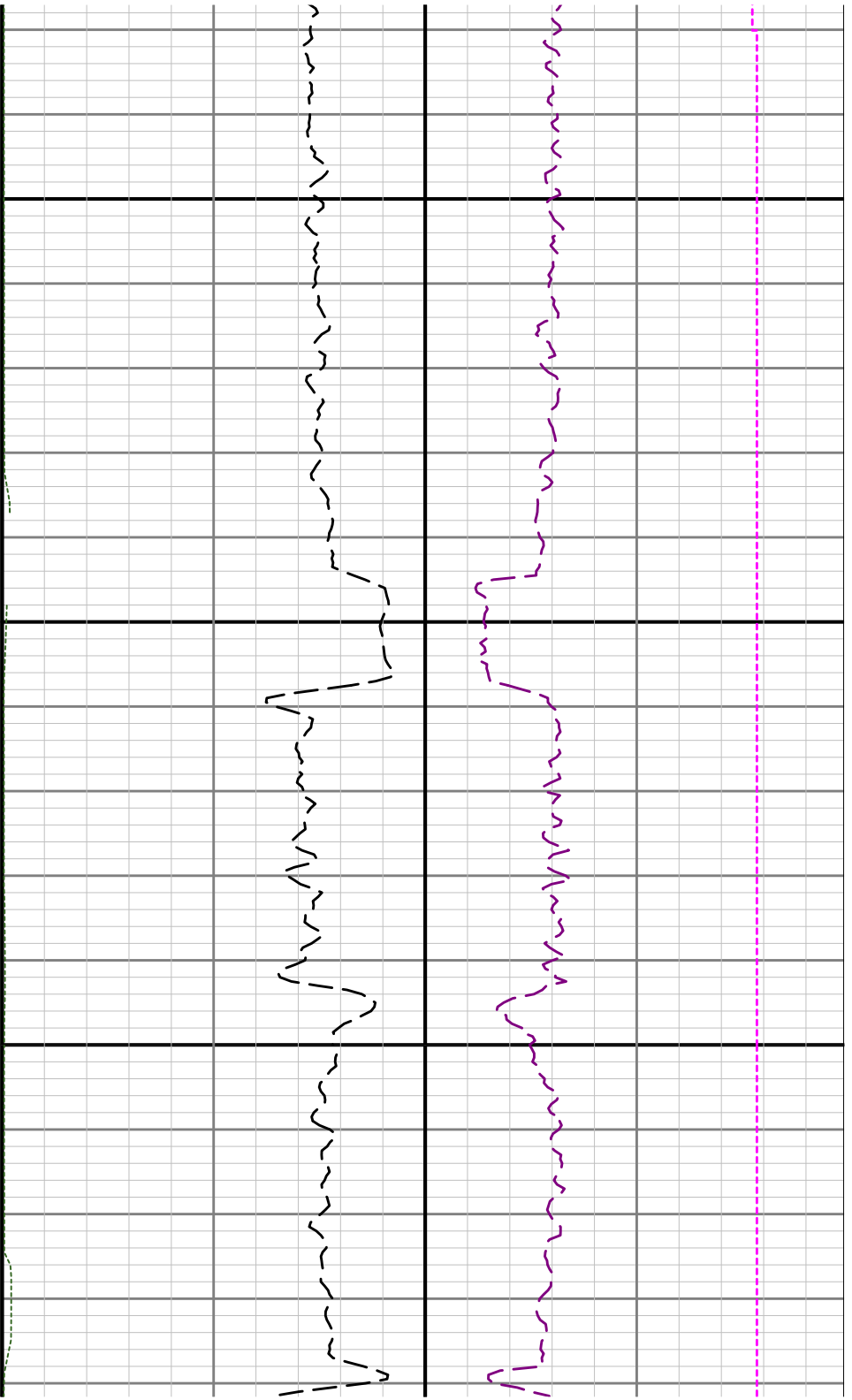




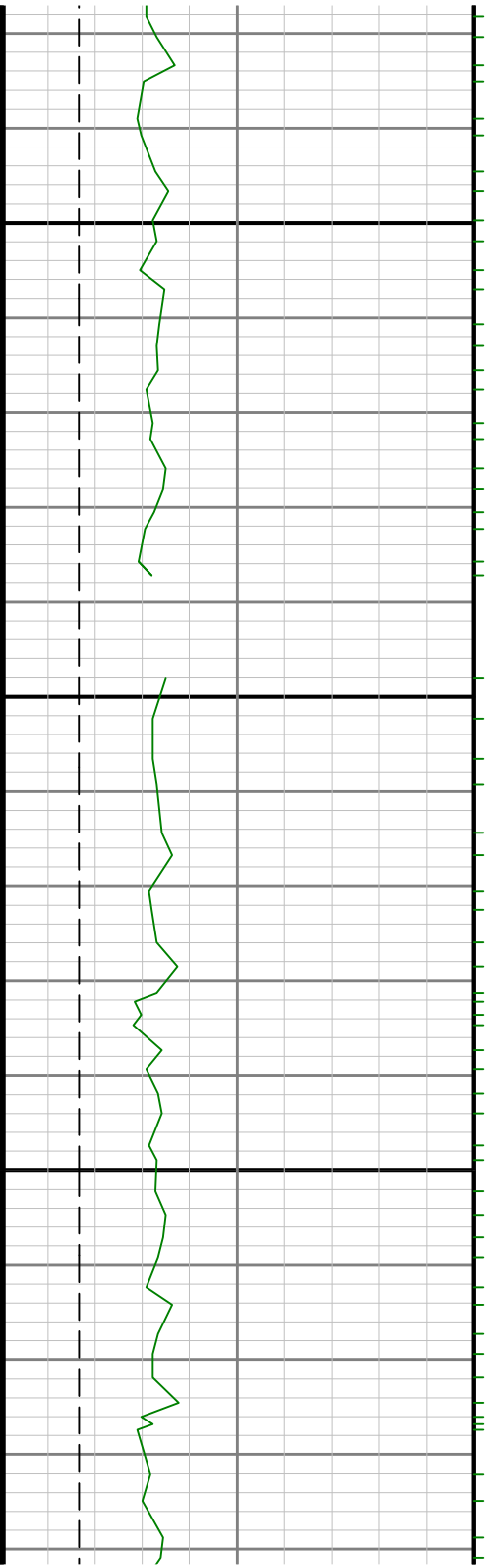
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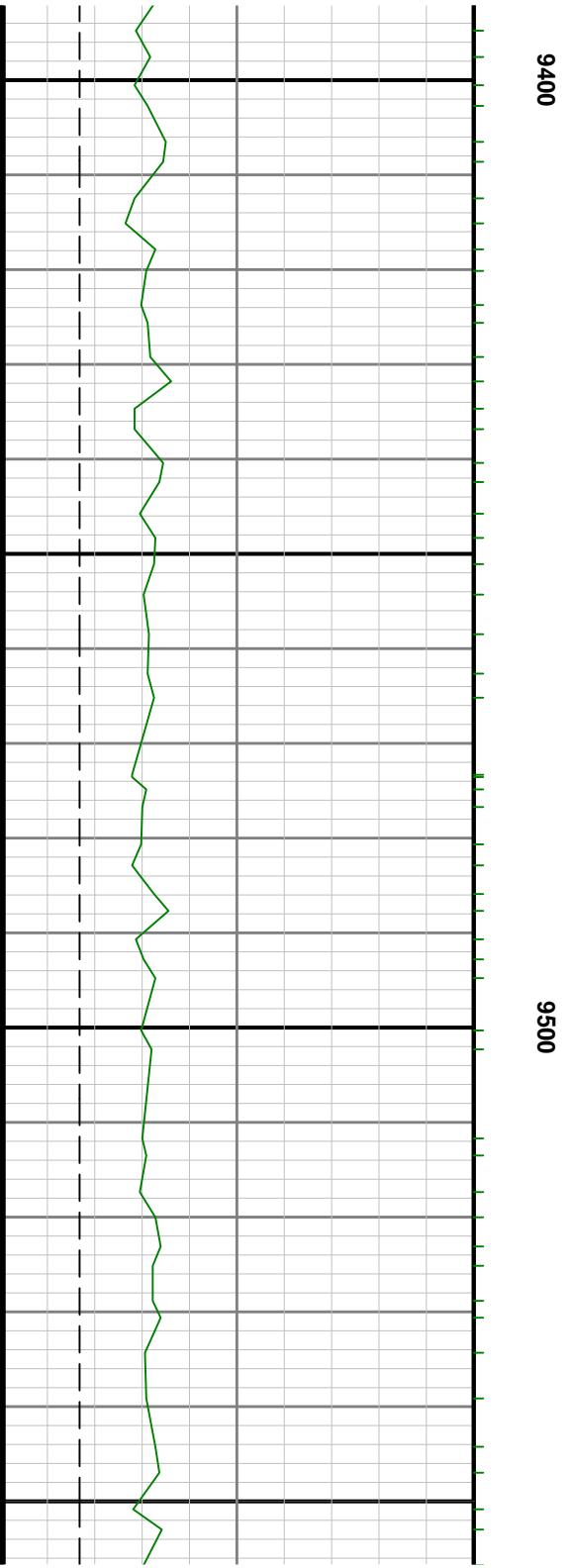
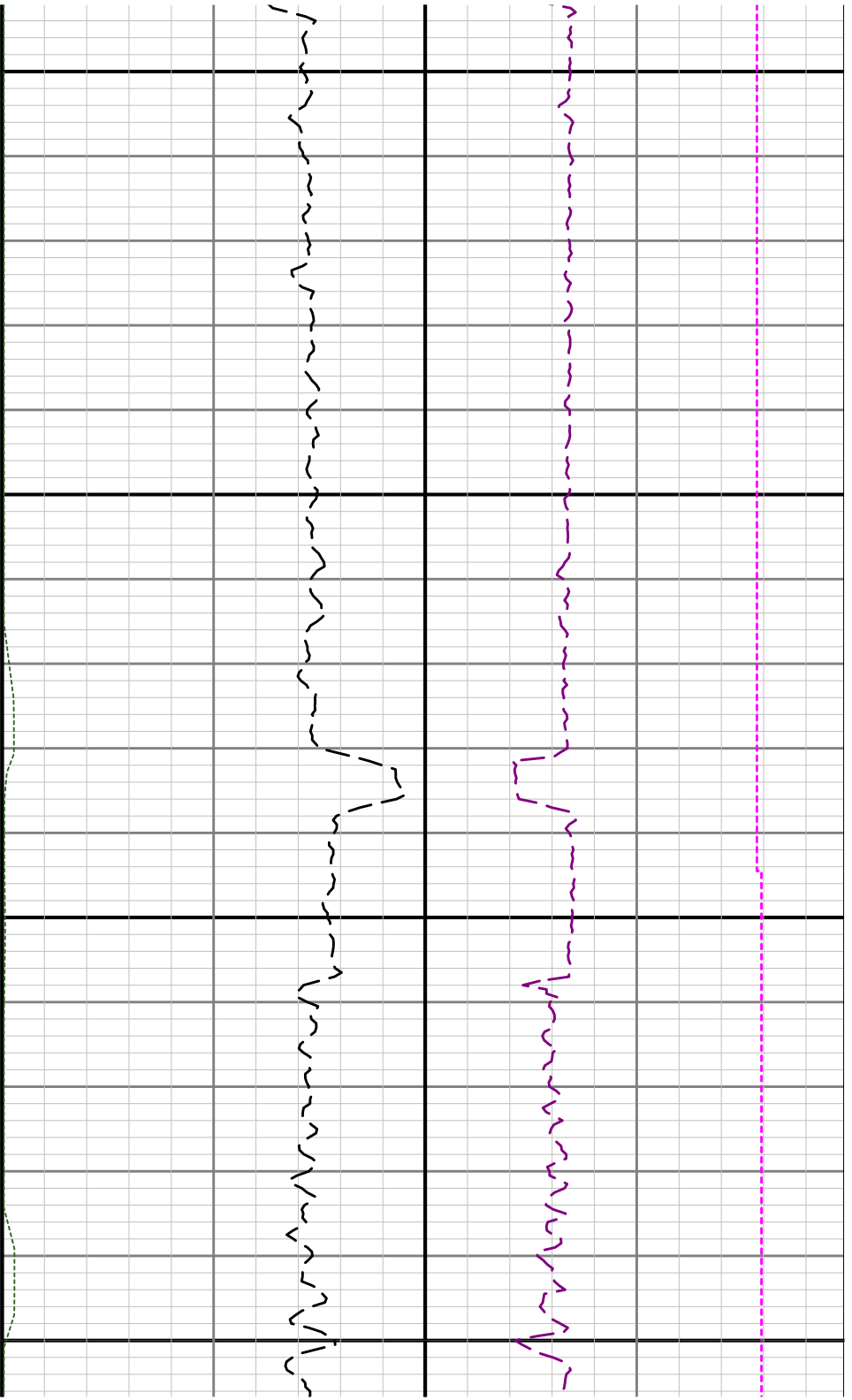
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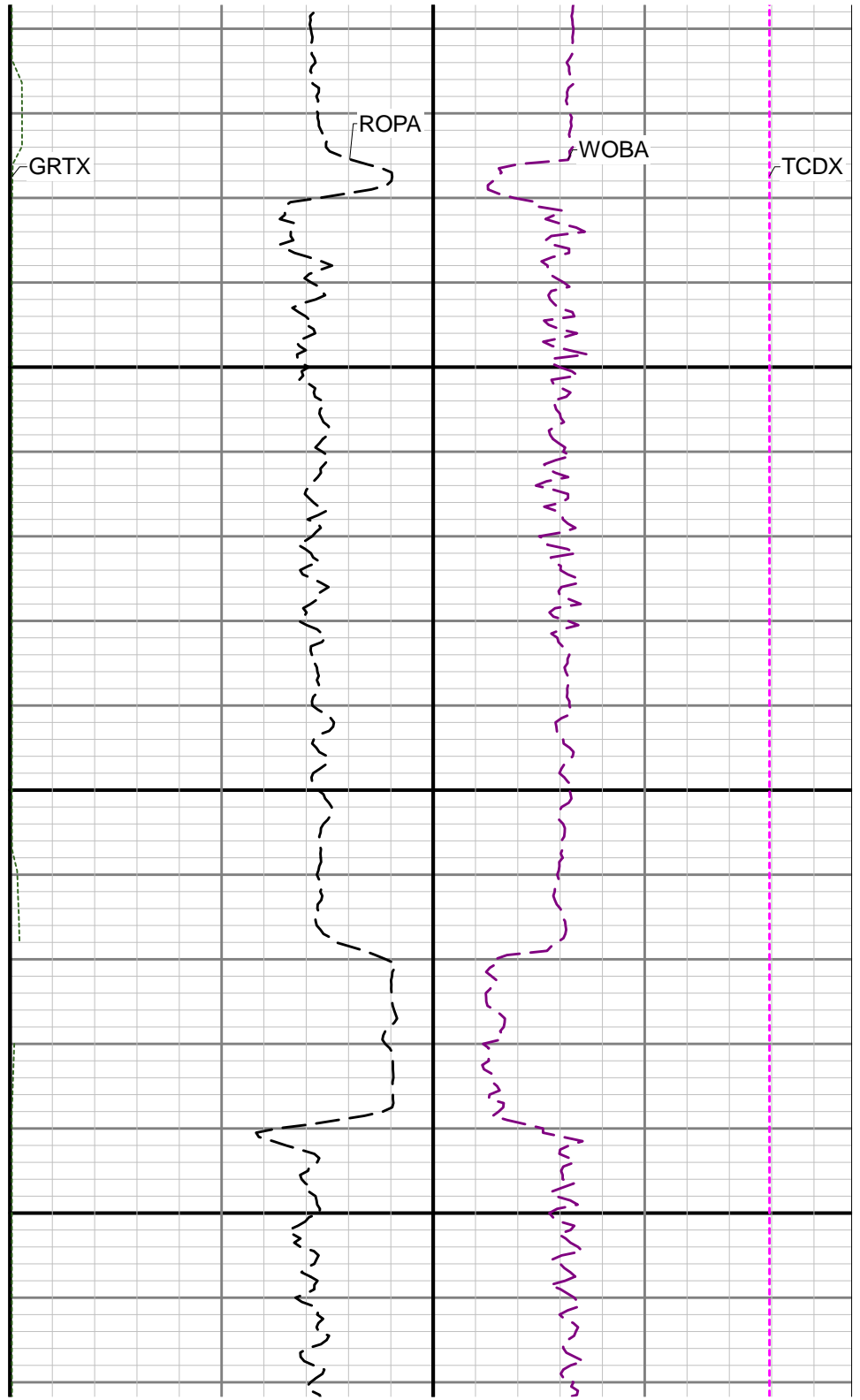
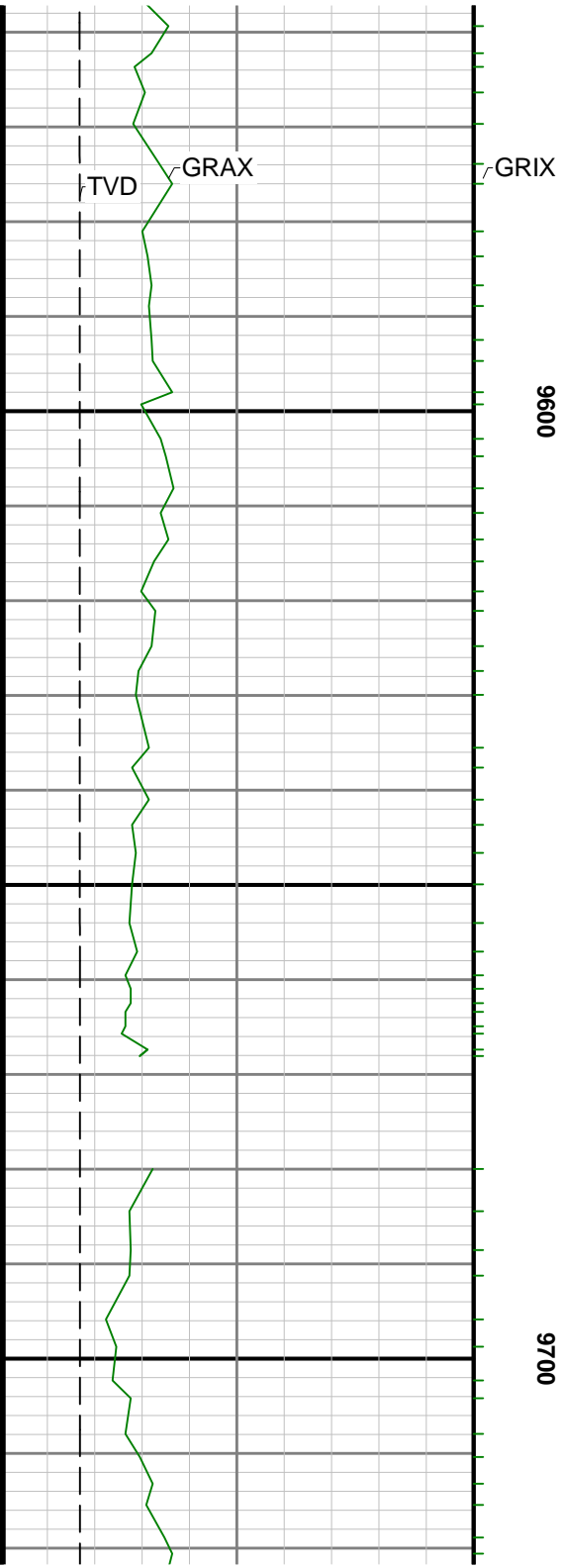


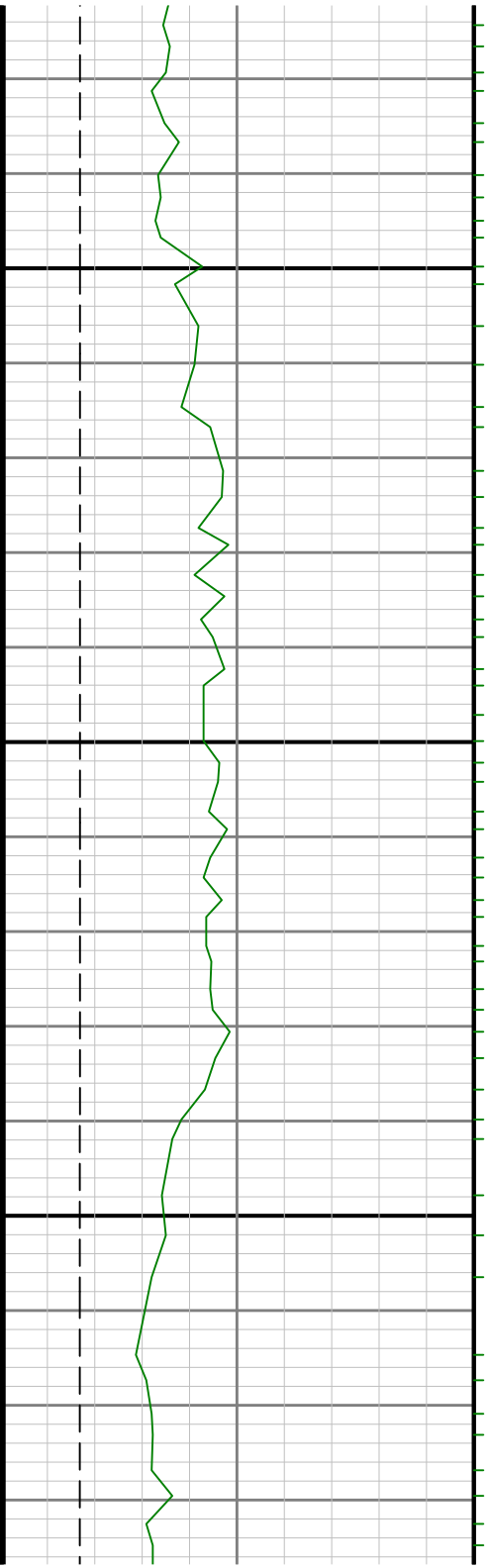


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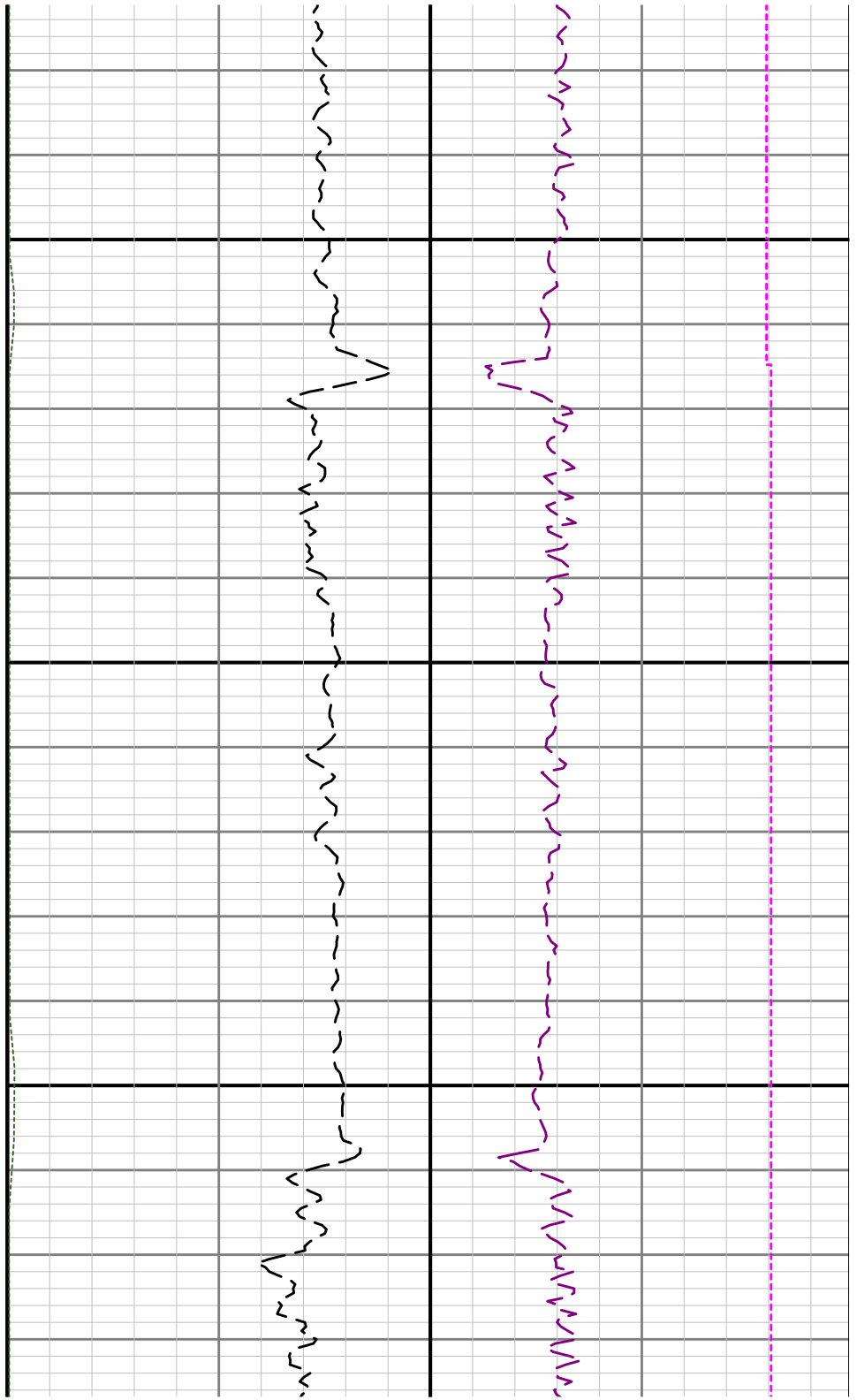


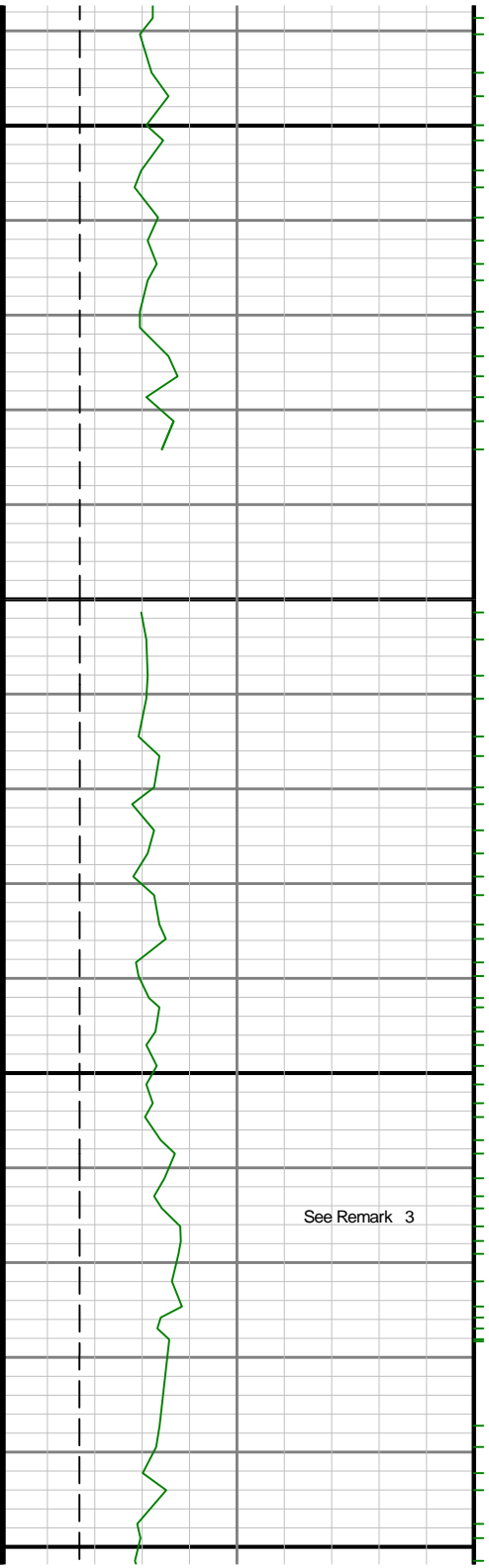






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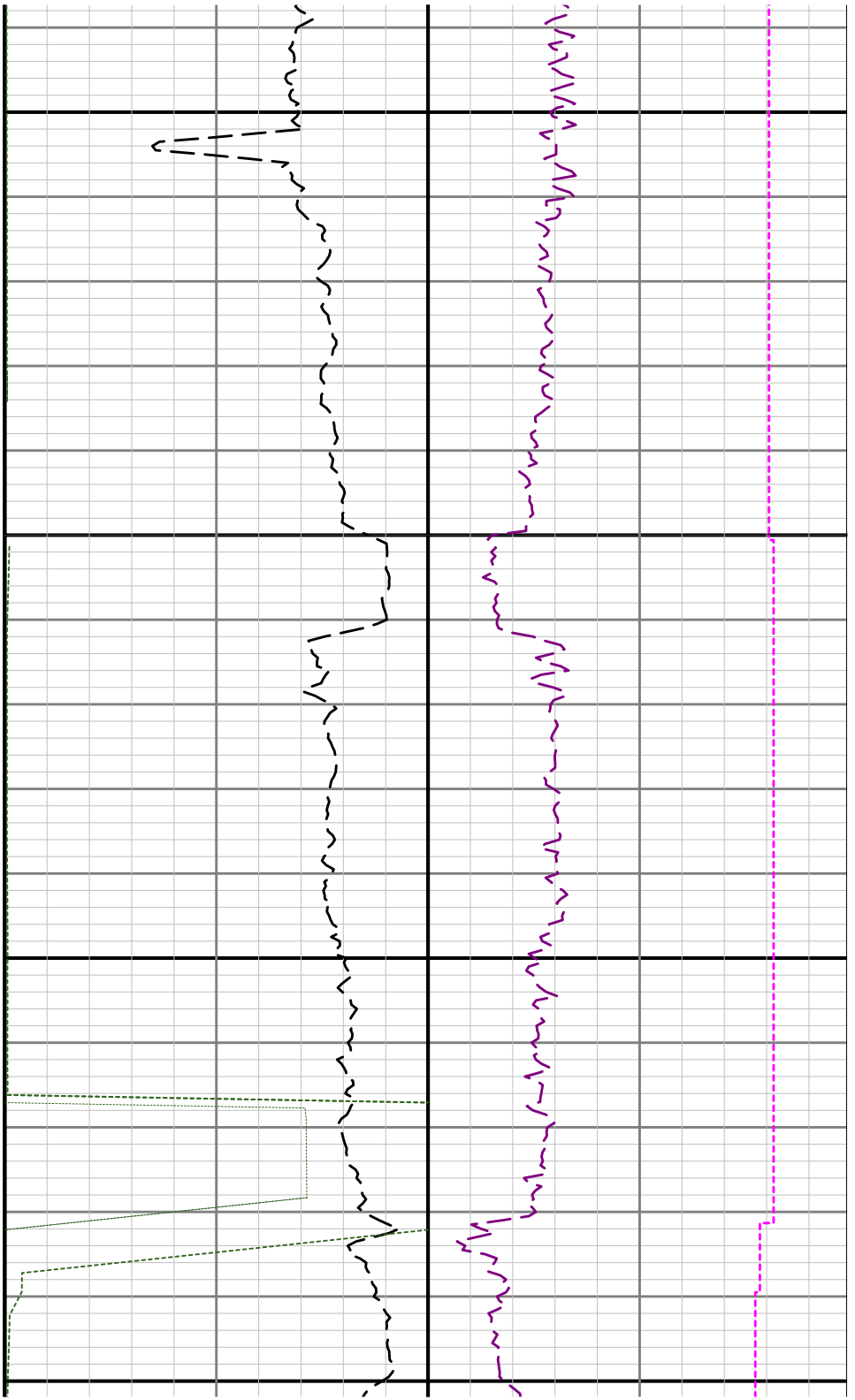


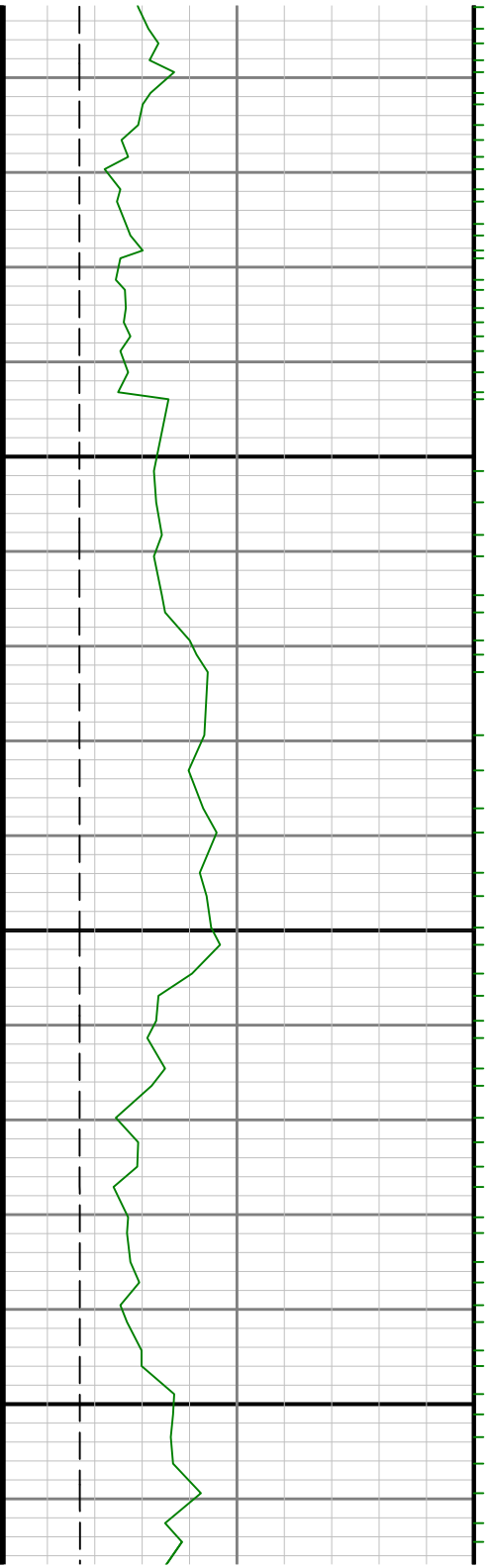
See Remark 3

9900

10000

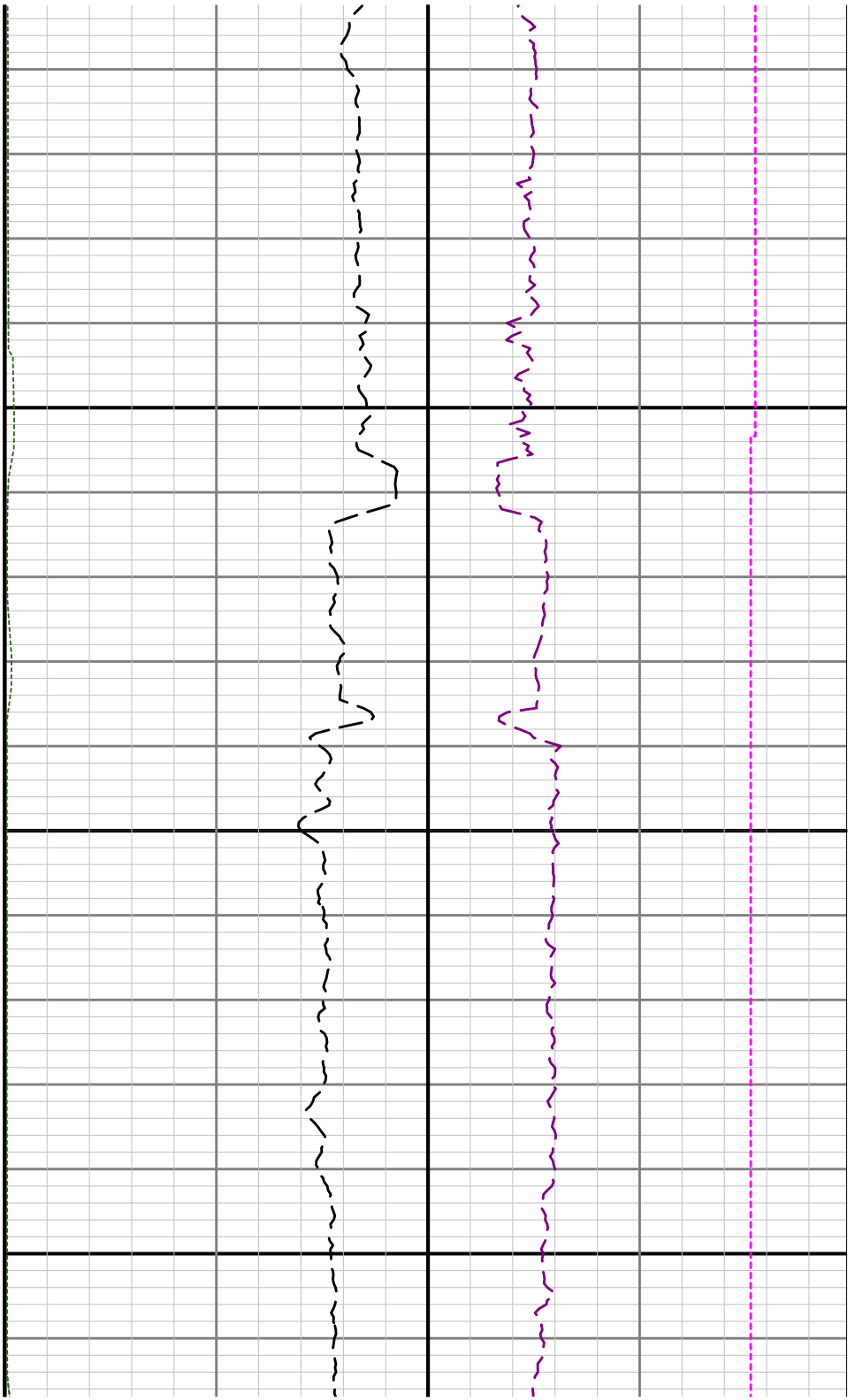
R2 < R3





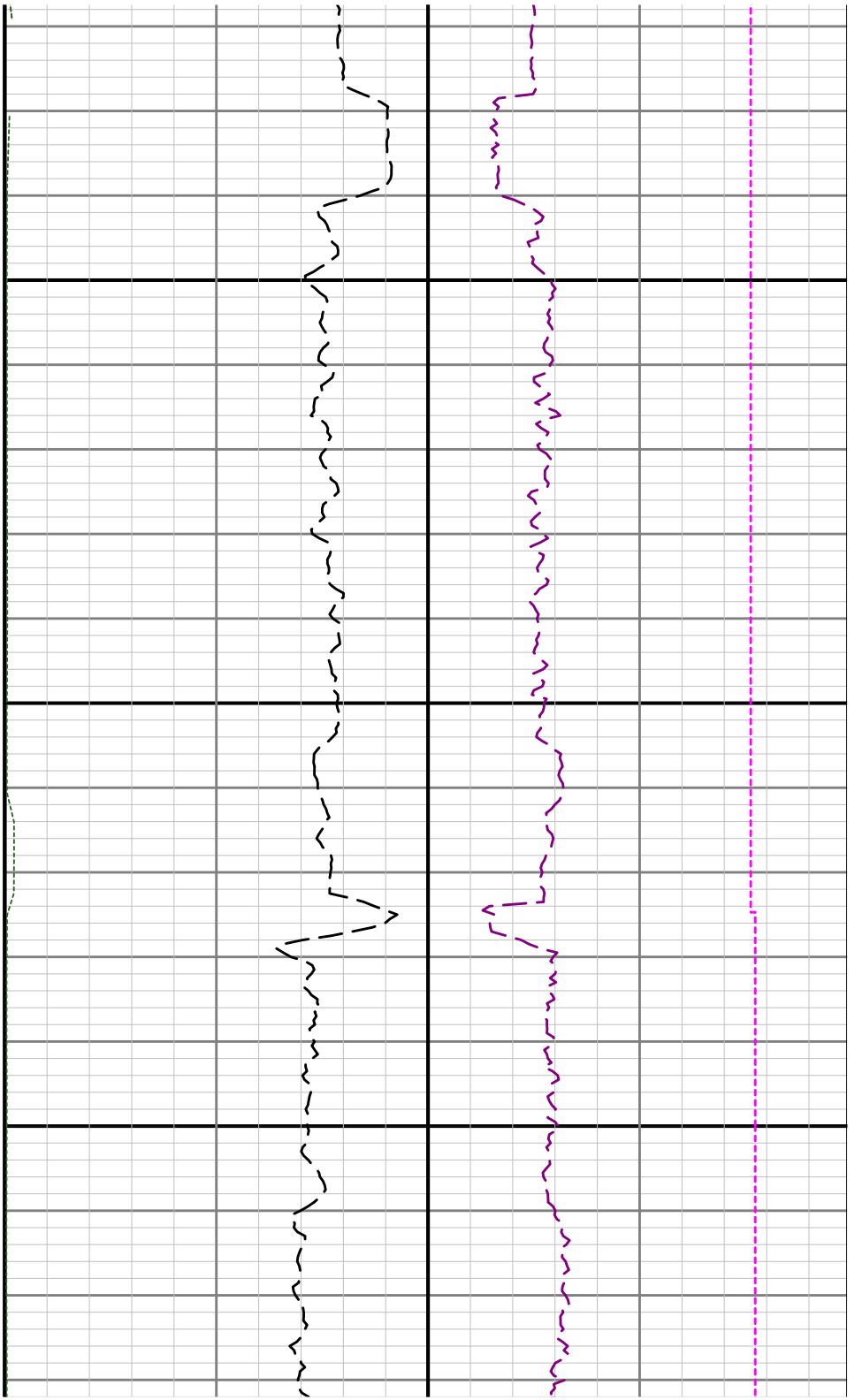
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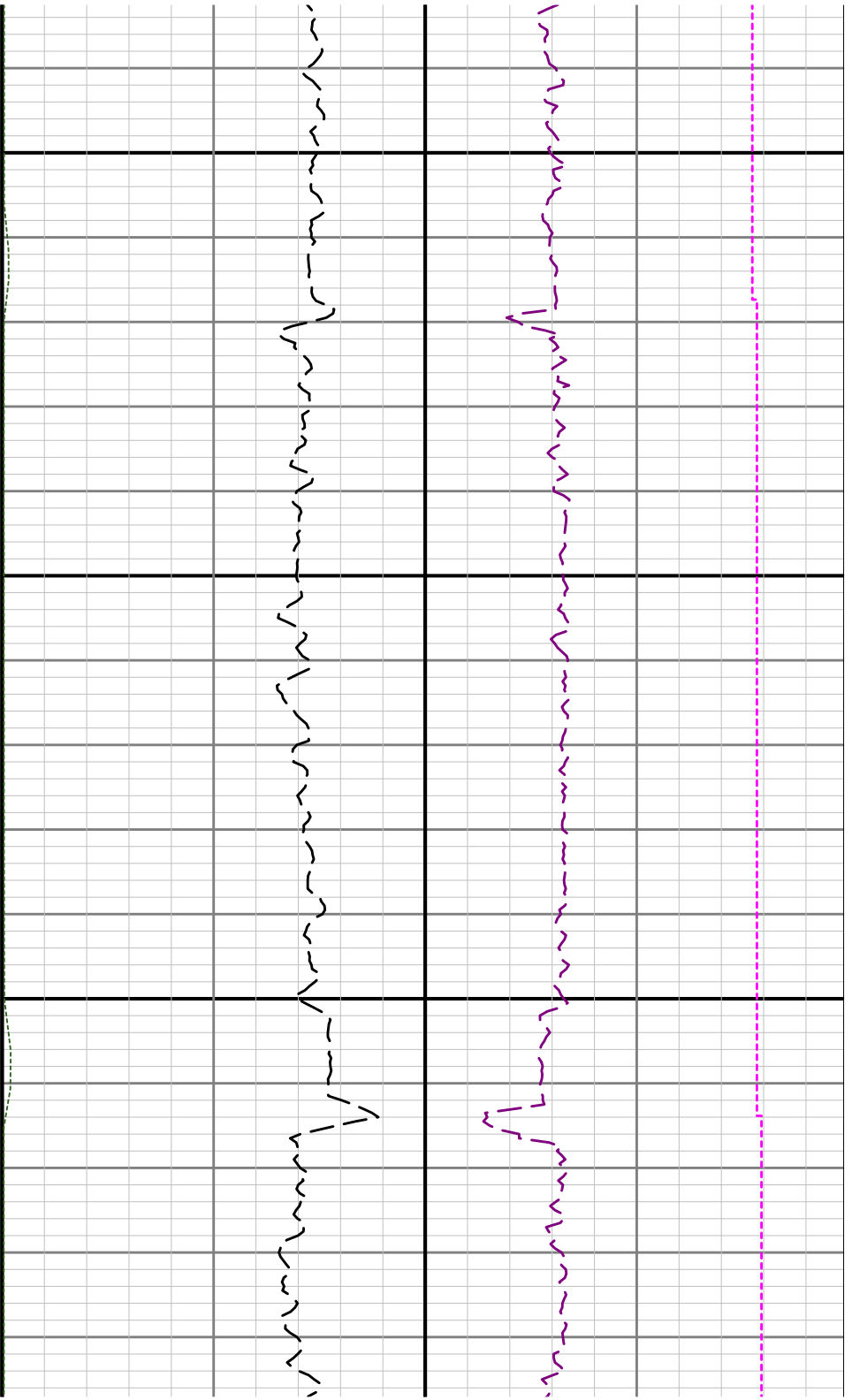
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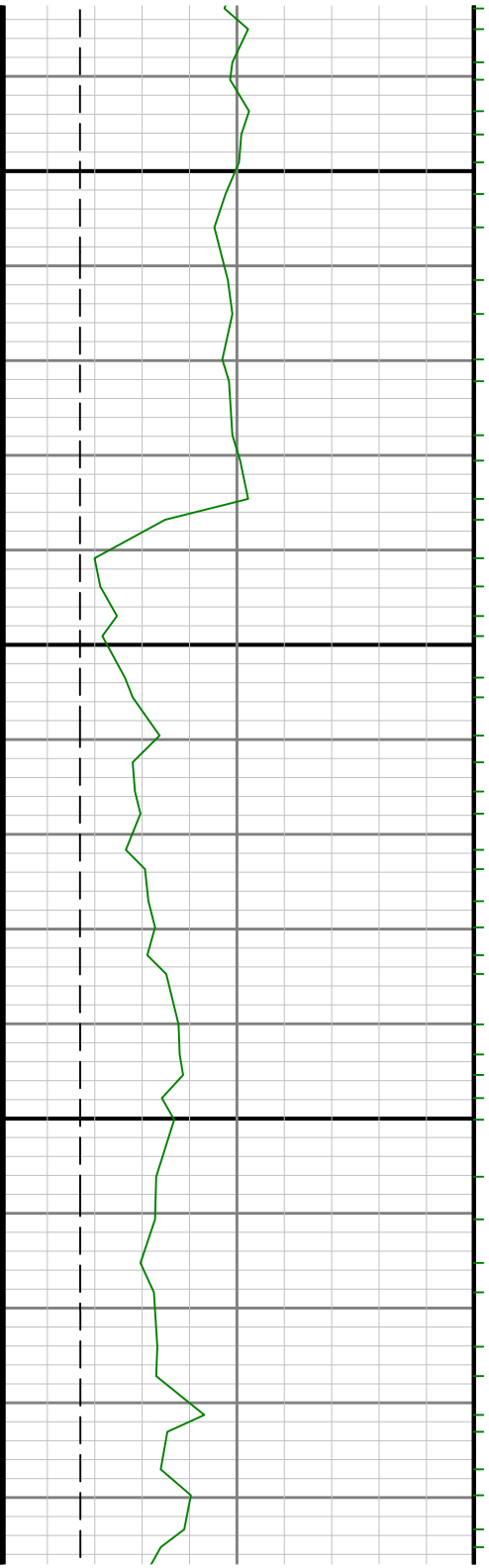
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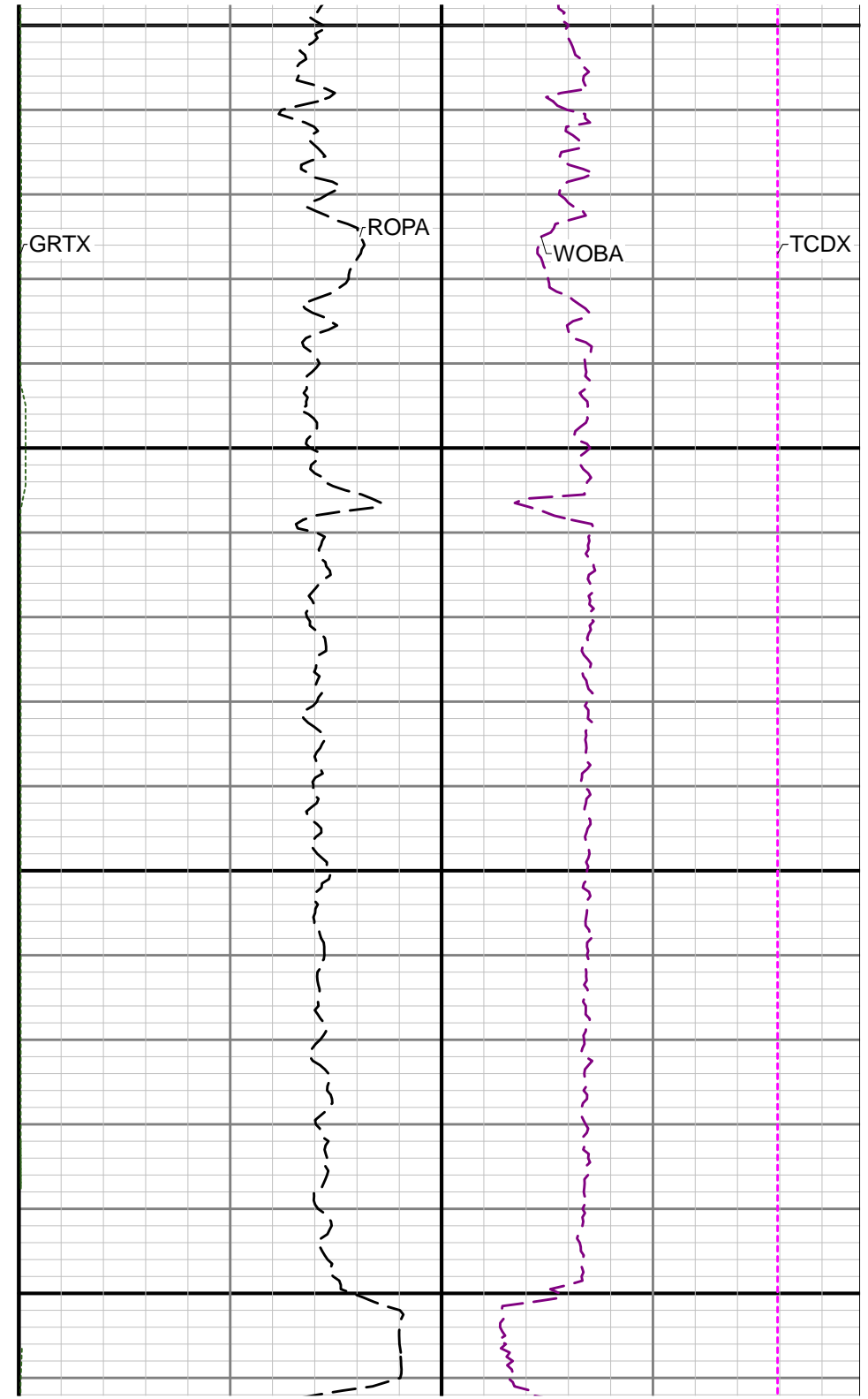
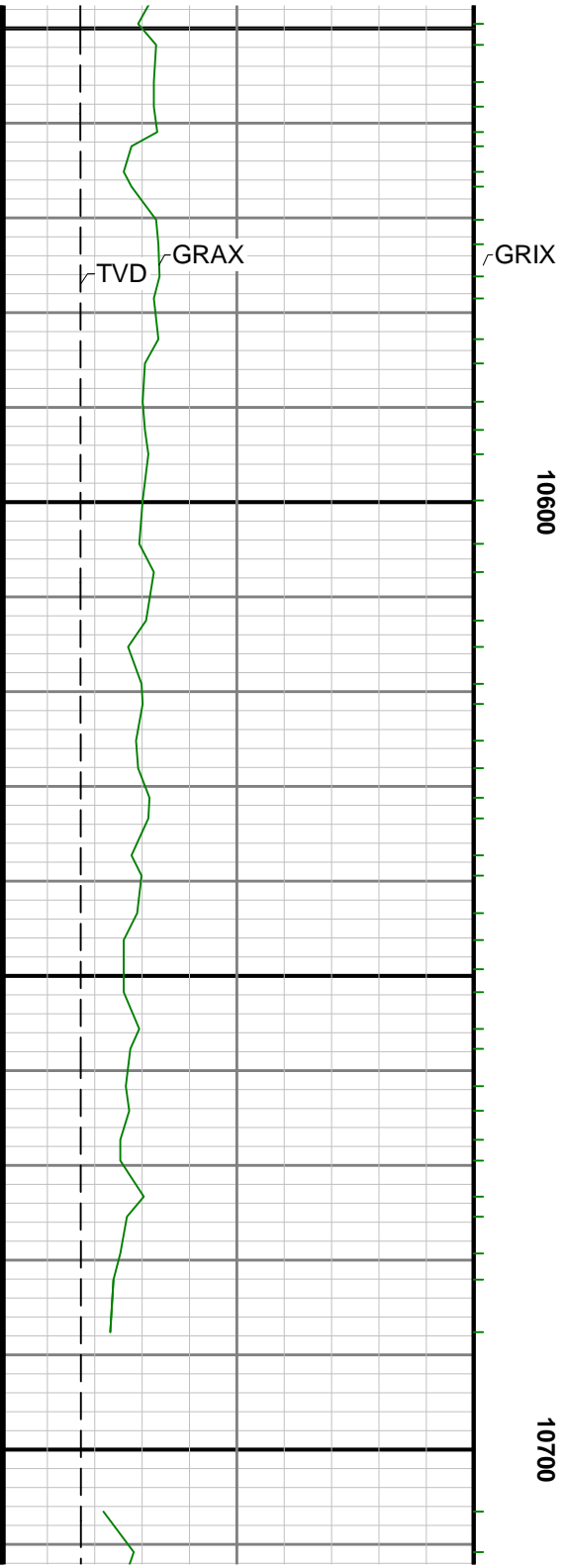


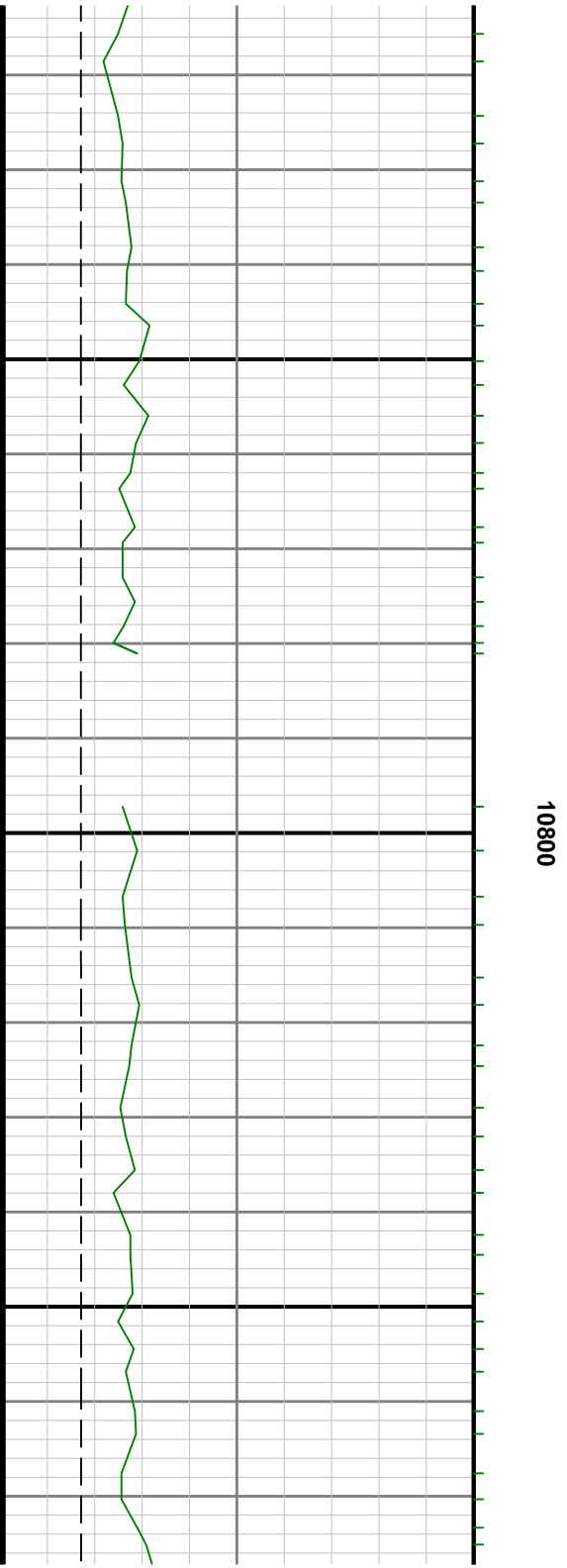


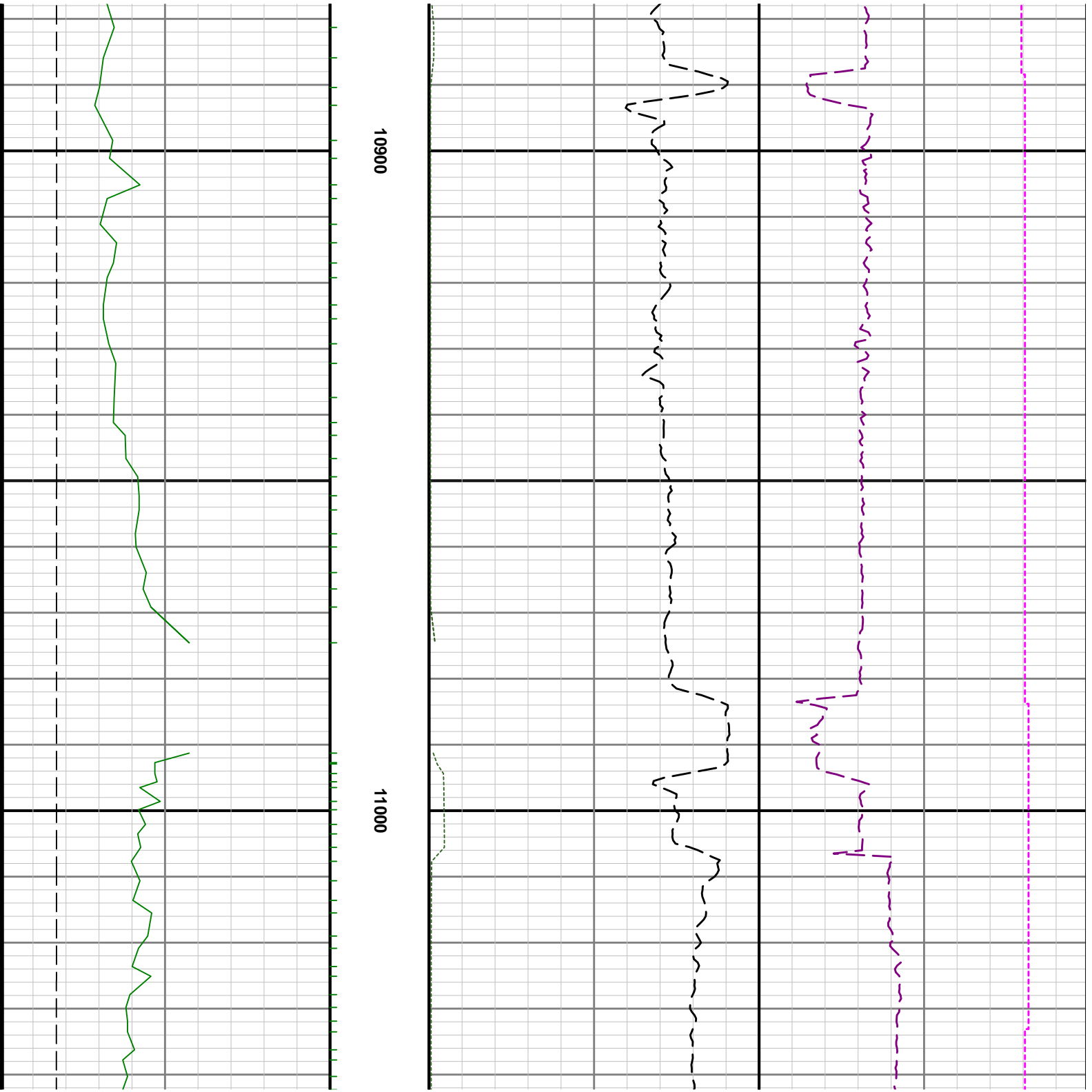
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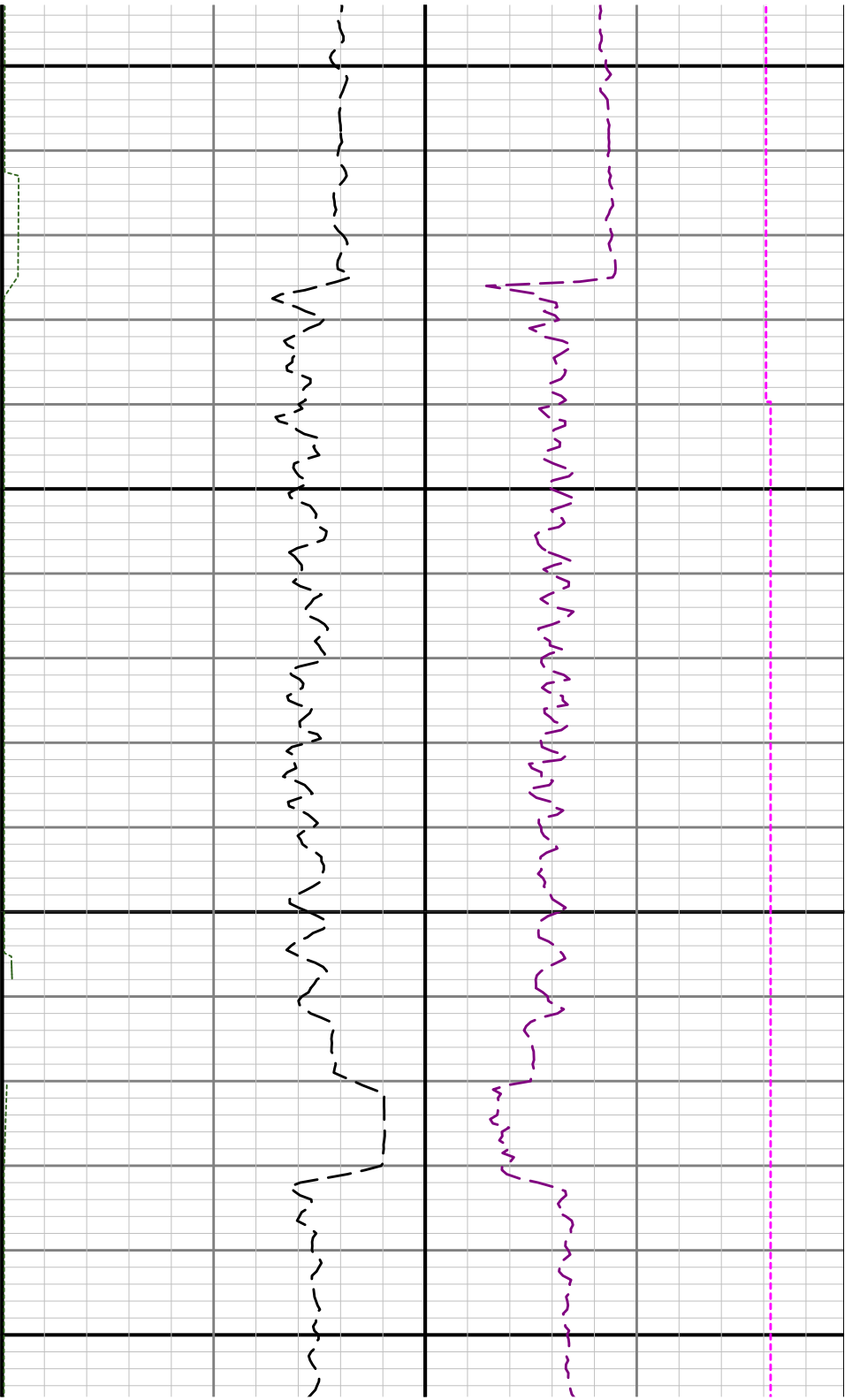
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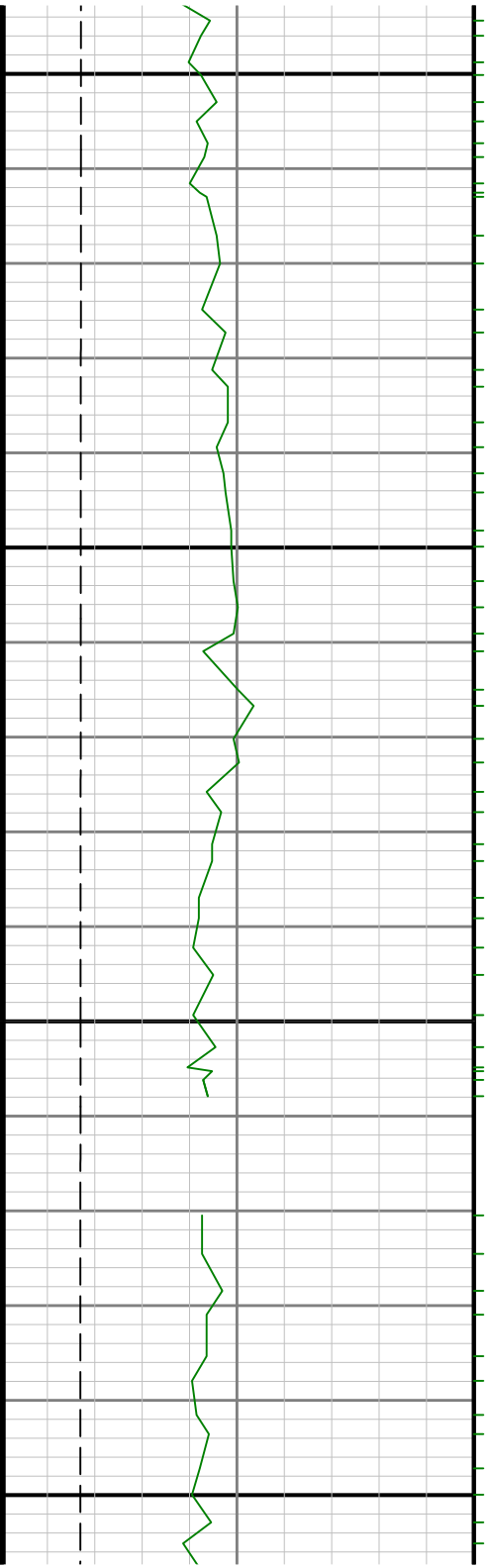


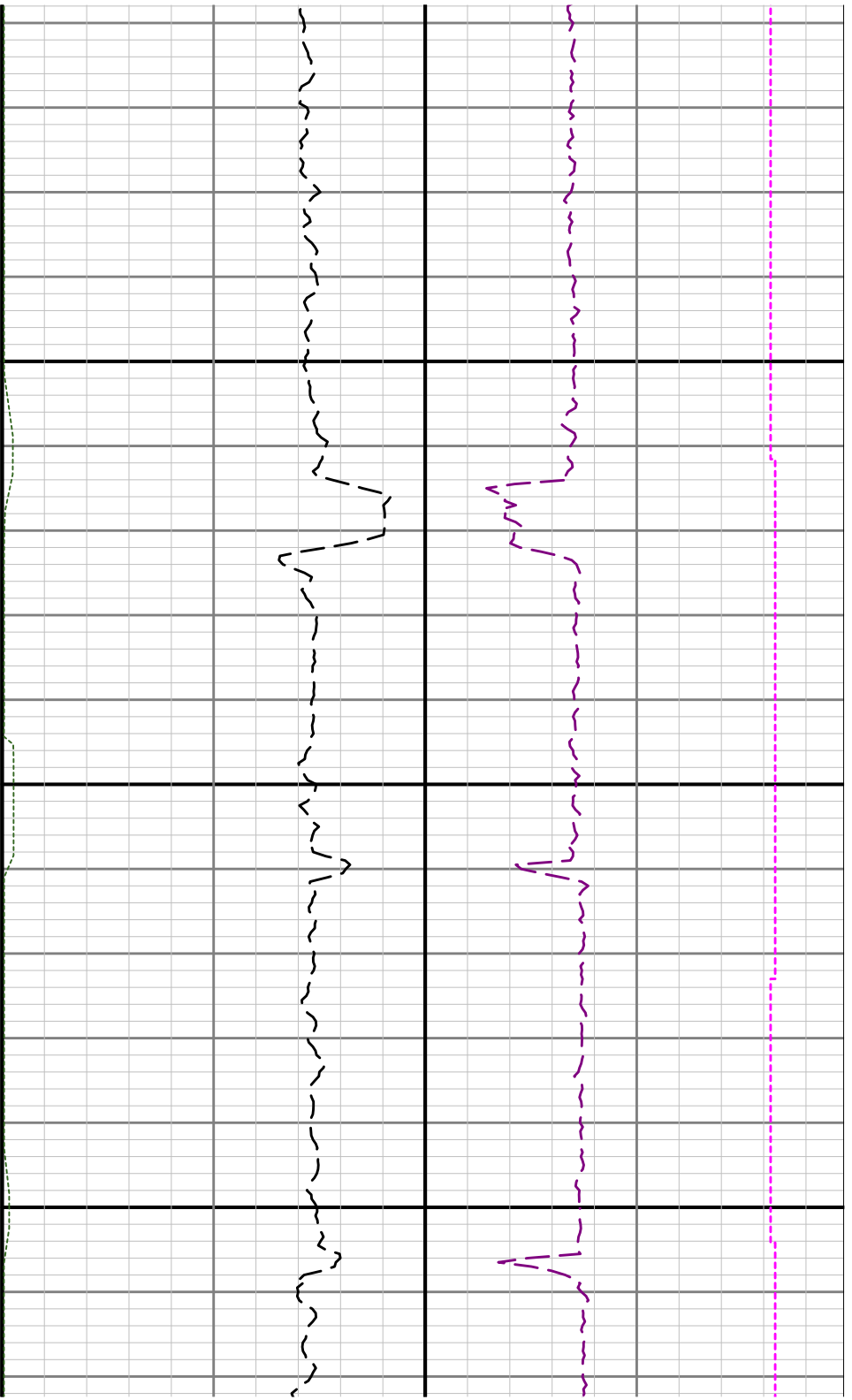




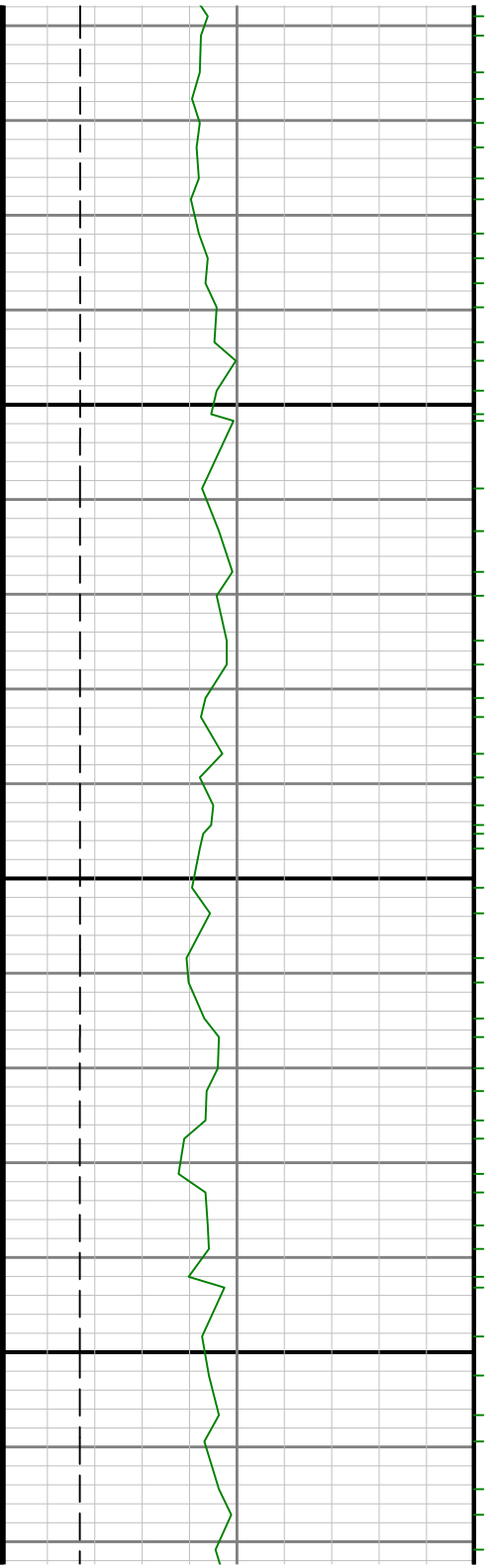
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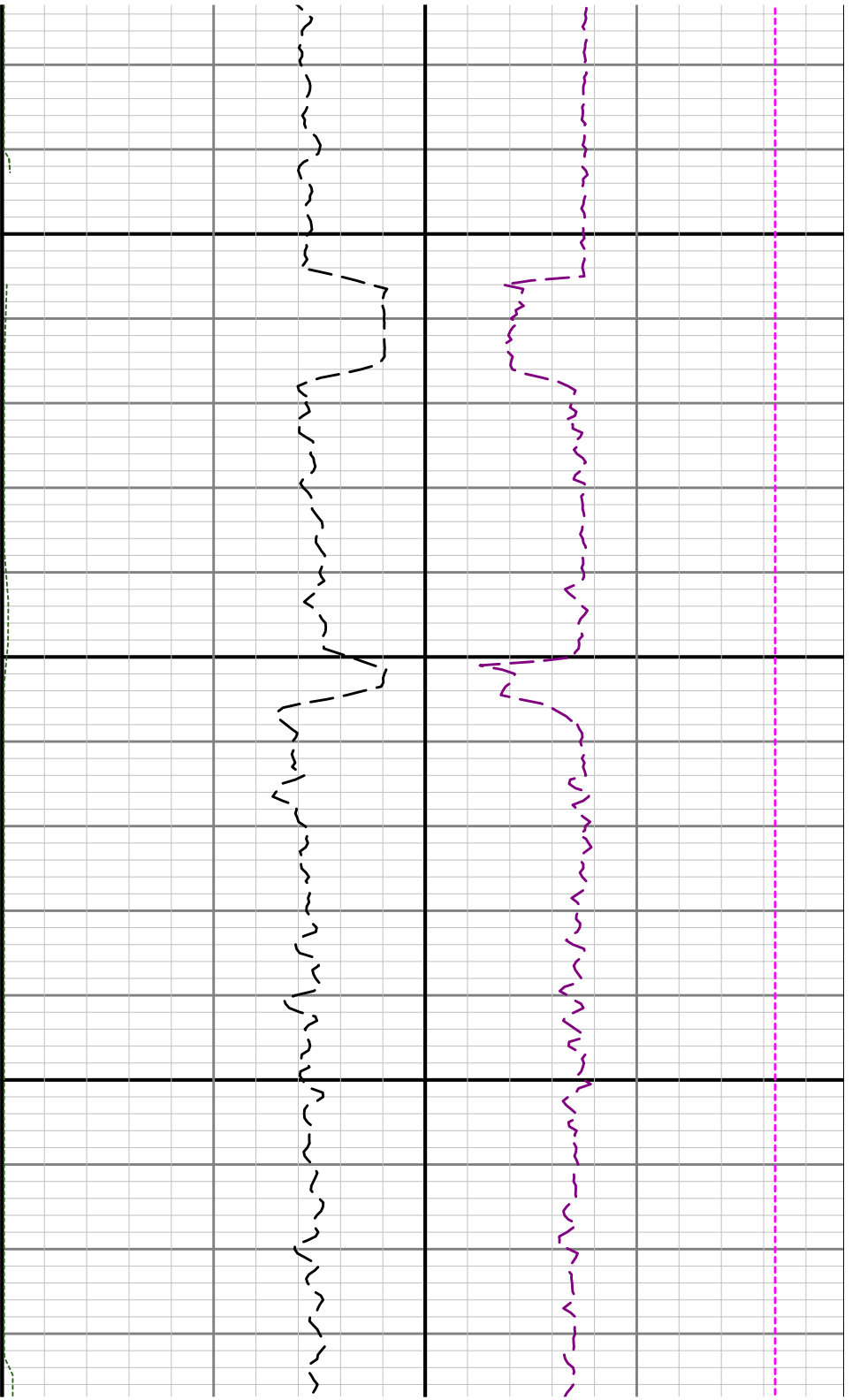
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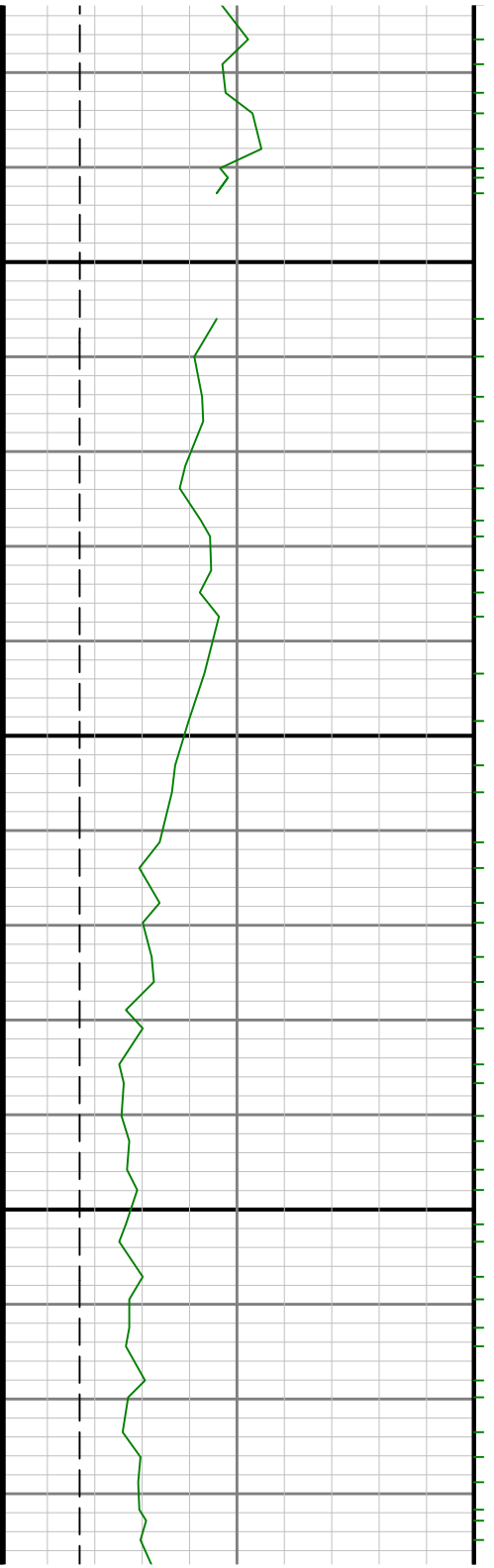
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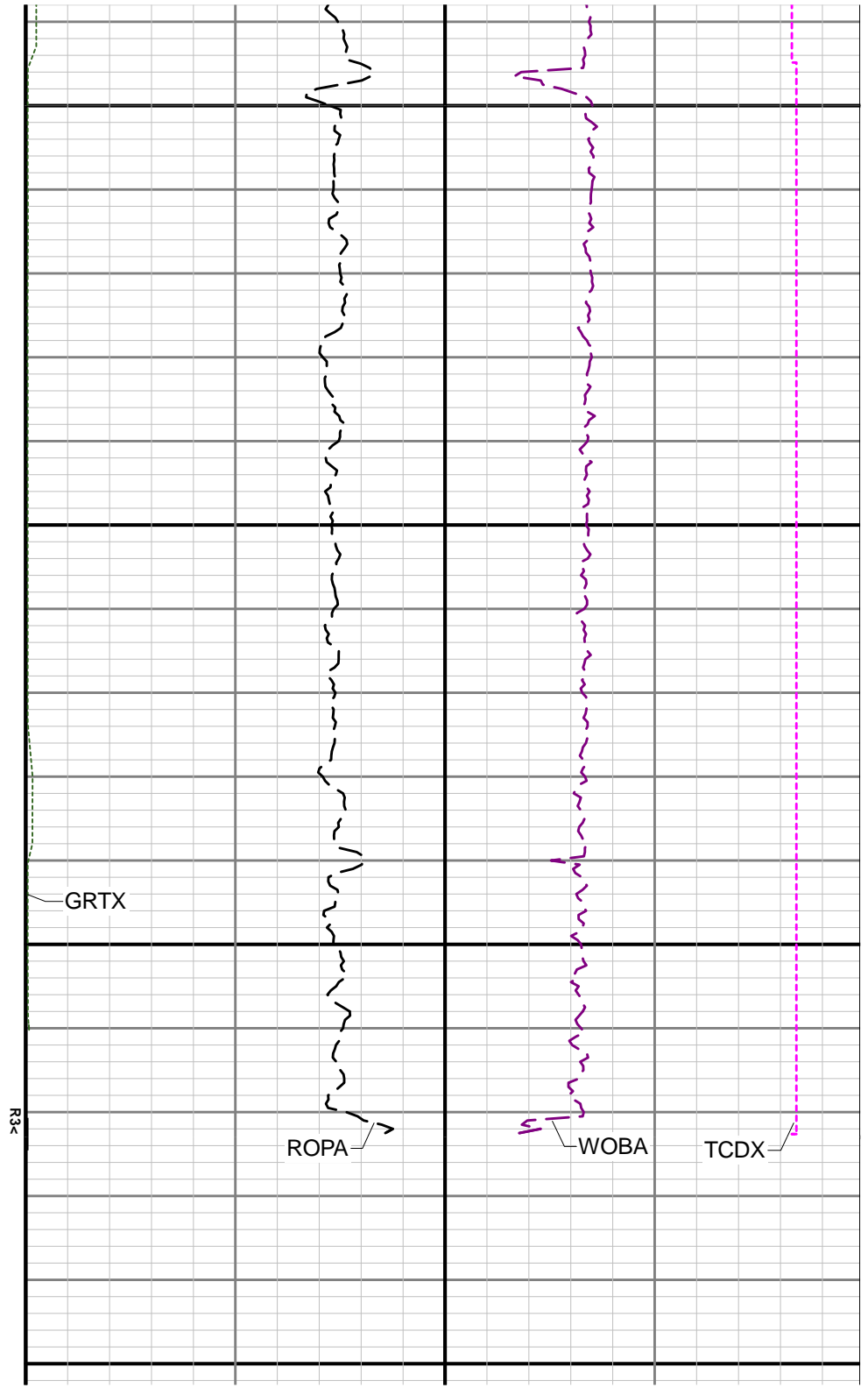
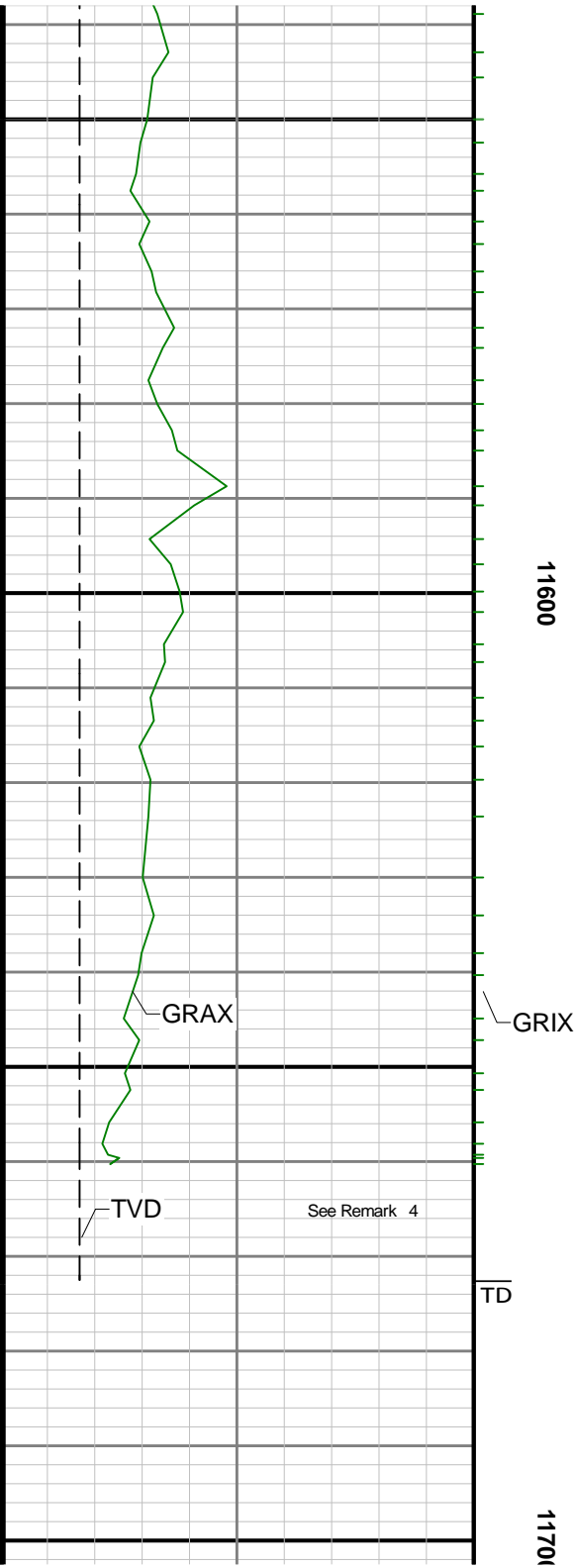




11400

11500





<p>Gamma Ray - Apparent 0.5 ft Average GRAX</p> <p>0 <span style="float: right;">300</span></p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>MD 1:240 feet</b></p>	<p>Rate of Penetration of bit 3 ft Average ROPA</p> <p>1000 <span style="float: right;">0</span></p>	<p>Weight On Bit 1 ft Average WOBA</p> <p>0 <span style="float: right;">100</span></p>
<p>API</p> <p>True Vertical Depth TVD</p> <p>7000 <span style="float: right;">6000</span></p>		<p>ft/h</p> <p>Gamma Time Since Drilled GRTX</p> <p>0 <span style="float: right;">600</span></p>	<p>klb</p> <p>Downhole Temperature TCDX</p> <p>0 <span style="float: right;">250</span></p>
<p>ft</p>		<p>min</p>	<p>degF</p>