

LWD REALTIME LOG - RUN 1									
<div> <div> <div>BAKER HUGHES</div> <div>a GE company</div> </div> <div> </div> </div> <div> <div>Drilling Dynamics</div> <div>Gamma Ray</div> </div>				<div> <div>Scale:</div> <div>1:240 MD</div> </div> <div> <div>Depth Reference:</div> <div>Driller's Depth</div> </div>					
<div> <div>Company:</div> <div>Anadarko</div> </div> <div> <div>Well:</div> <div>English Farms 8-11HZ</div> </div> <div> <div>Field:</div> <div>Weld County</div> </div>				<div> <div>County:</div> <div>Weld County</div> </div> <div> <div>Country:</div> <div>United States</div> </div> <div> <div>State:</div> <div>Colorado</div> </div>					
<div> <div>Status:</div> <div>Field Print</div> </div> <div> <div>API No:</div> <div>N/A</div> </div> <div> <div>Job ID:</div> <div>9174916</div> </div>				<div> <div>Surface Location:</div> <div>Latitude: 040° 03' 34.506" N Longitude: 104° 41' 12.347" W</div> </div> <div> <div>SEC:</div> <div>8</div> </div> <div> <div>TWN:</div> <div>1N</div> </div> <div> <div>RGE:</div> <div>65W</div> </div> <div> <div>Other Services:</div> <div>Wellbore Survey</div> </div>					
<div> <div>Permanent Datum (P.D.):</div> <div>Mean Sea Level</div> </div> <div> <div>Elevation:</div> <div>Above P.D.</div> </div> <div> <div>Log Measured From:</div> <div>Rig Floor</div> </div>				<div> <div>0.00 ft</div> <div>4971.00 ft</div> <div>Elev. KB: 4971.00 ft Elev. DF: 4945.00 ft Elev. GL:</div> </div>					
<div> <div>Dates</div> <div>Interval Drilled</div> </div> <div> <div>Date From:</div> <div>2018-06-27</div> </div> <div> <div>Date To:</div> <div>2018-07-01</div> </div> <div> <div>Spud Date:</div> <div>2018-06-27</div> </div>				<div> <div>Magnetic Field Reference</div> <div>Azi Reference North: True</div> <div>Total Magnetic Field Strength: (nT) 52169</div> <div>Mag to Reference North Correction: (deg) 7.88</div> </div>					
<div> <div>Borehole Record</div> <div>Hole Size (in)</div> </div> <div> <div>From (ft)</div> <div>To (ft)</div> </div> <div> <div>Size (in)</div> <div>Weight (lb/ft)</div> </div>				<div> <div>Casing Record</div> <div>From (ft)</div> <div>To (ft)</div> </div>					
<div> <div>Mud Record</div> <div>Type</div> </div> <div> <div>From (ft)</div> <div>To (ft)</div> </div> <div> <div>Hole Size (in)</div> <div>Interval (ft)</div> </div>				<div> <div>Deviation Record</div> <div>Inc Az (Start)</div> <div>Inc Az (End)</div> </div>					
<div> <div>Oil Based Mud</div> <div>0.00</div> <div>20232.63</div> </div> <div> <div>8.500</div> <div>20232.63</div> <div>0.00 98.50</div> </div> <div> <div>89.78 176.95</div> </div>									
<div> <div>Acquisition System</div> <div>Baker Hughes Cadence</div> </div> <div> <div>Software Version</div> <div>RT 4.2</div> </div> <div> <div>Unit: D&E</div> </div>				<div> <div>Other</div> <div>Rig: Precision 564</div> <div>Contractor: Precision Drilling</div> <div>District: N/A</div> </div>					

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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	8.500	PDC	2.00	AutoTrak Curve	1887.19	20219.69	1900.00	20232.50	2018-06-27 09:32	2018-07-01 15:31	89.16

Crew									
Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	

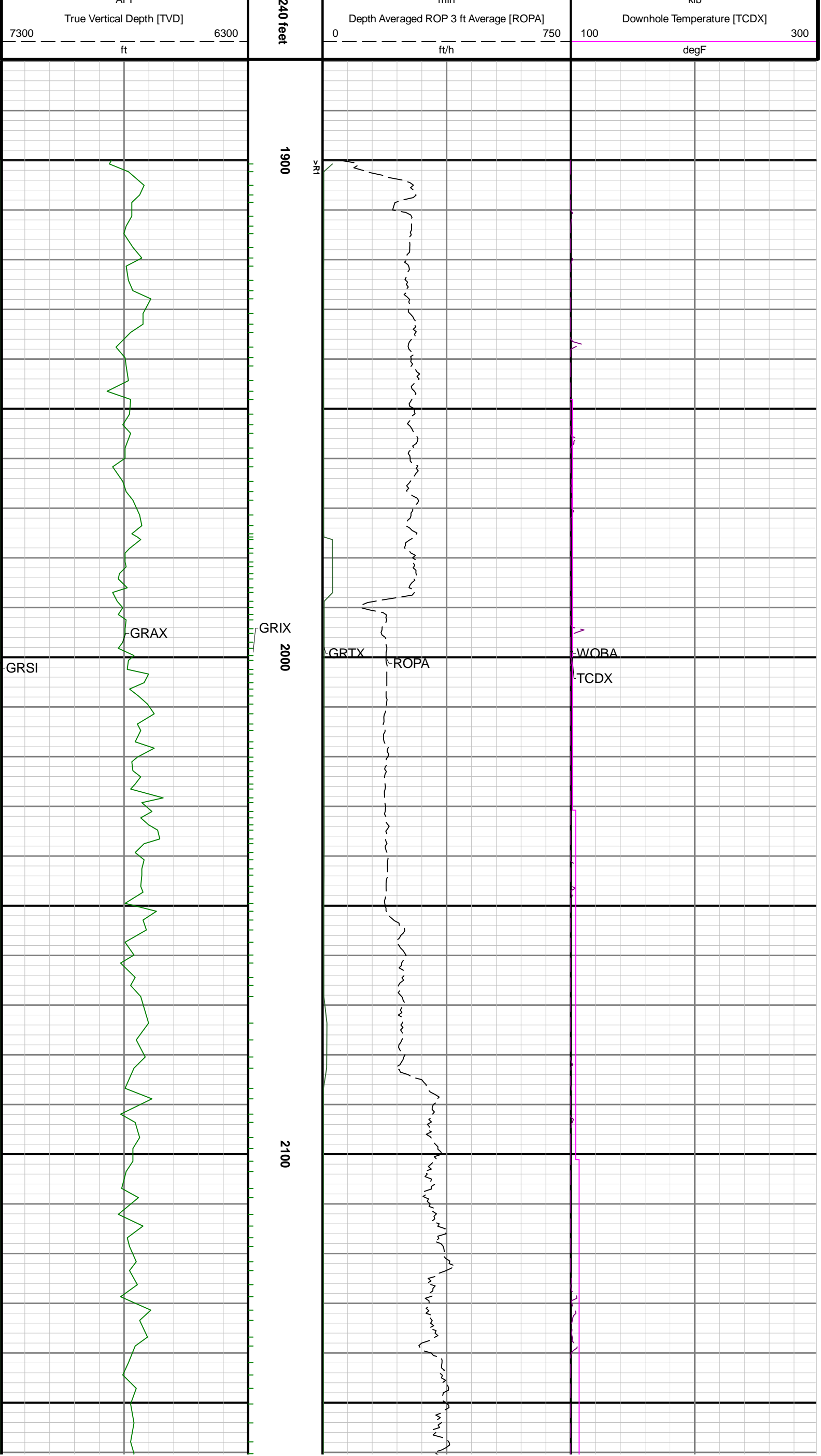
Mud Properties Record											
Date / Time	Run No.	Measured Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2018-06-26 23:51	1	3877.00	Oil Based Mud	8.9	60	N/A	7.8	74/26	Active Pit	26000	0.00
2018-06-29 00:00	1	8071.00	Oil Based Mud	9.0	58	N/A	5.2	75/25	Active Pit	28000	0.00
2018-06-29 23:42	1	12315.00	Oil Based Mud	9.0	51	N/A	4.8	77/23	Active Pit	28000	0.00
2018-06-30 23:41	1	16497.00	Oil Based Mud	9.0	59	N/A	5.6	74/26	Active Pit	33000	0.00

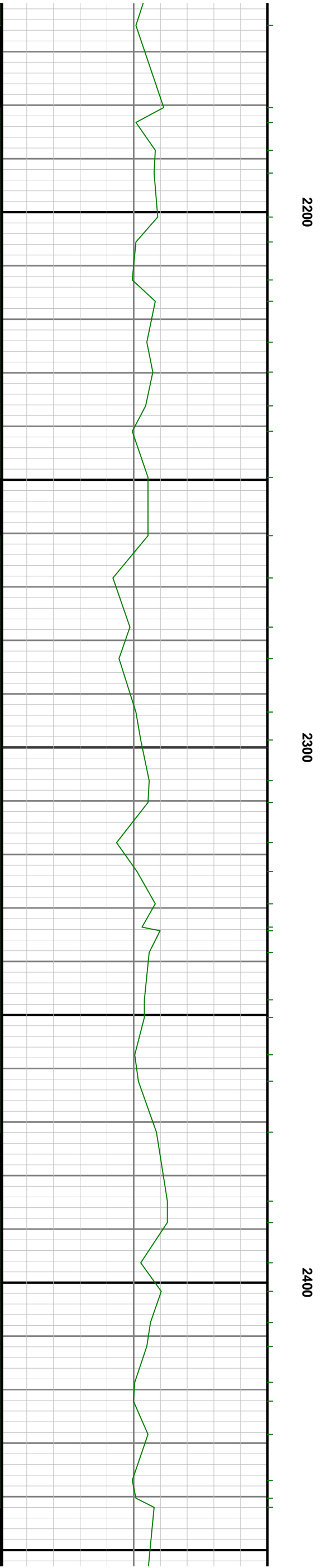
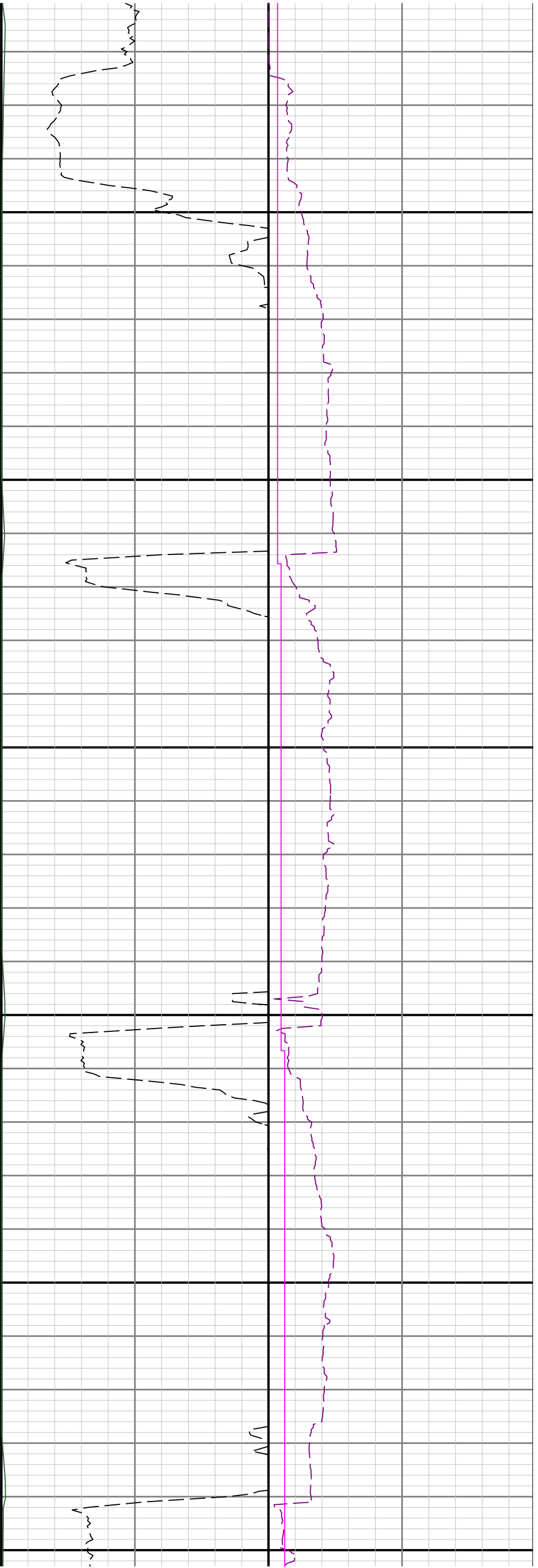
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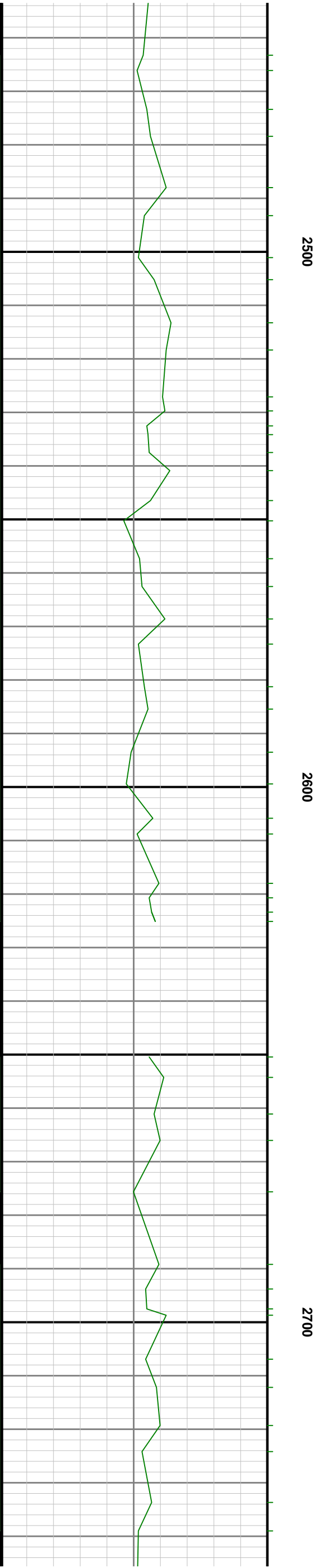
Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
1	ATC_SU	14299702	Near Bit VSS	5.93	6.63	7.000	4.330
1	ATC_SU	14299702	Near Bit Inclination	5.93	6.63	7.000	4.330
1	ATC_MWD	14219765	Gamma (single)	2.76	12.81	7.000	3.250
1	ATC_MWD	14219765	Directional (mag)	12.27	22.32	7.000	3.250

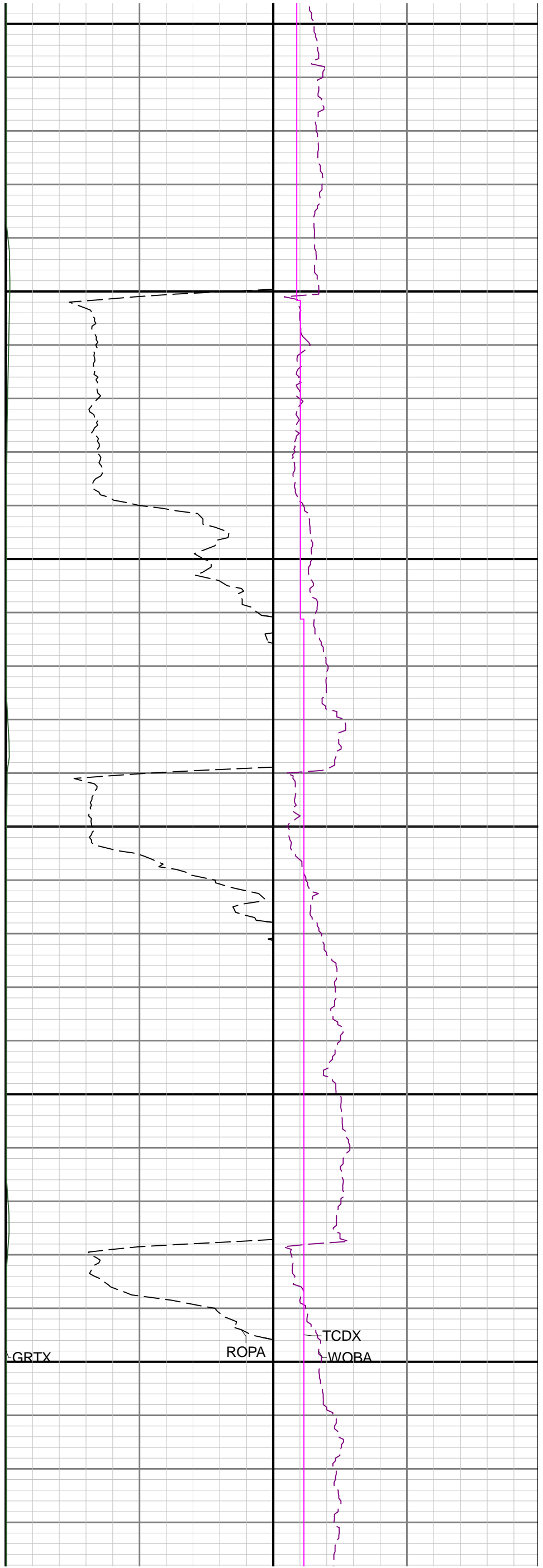
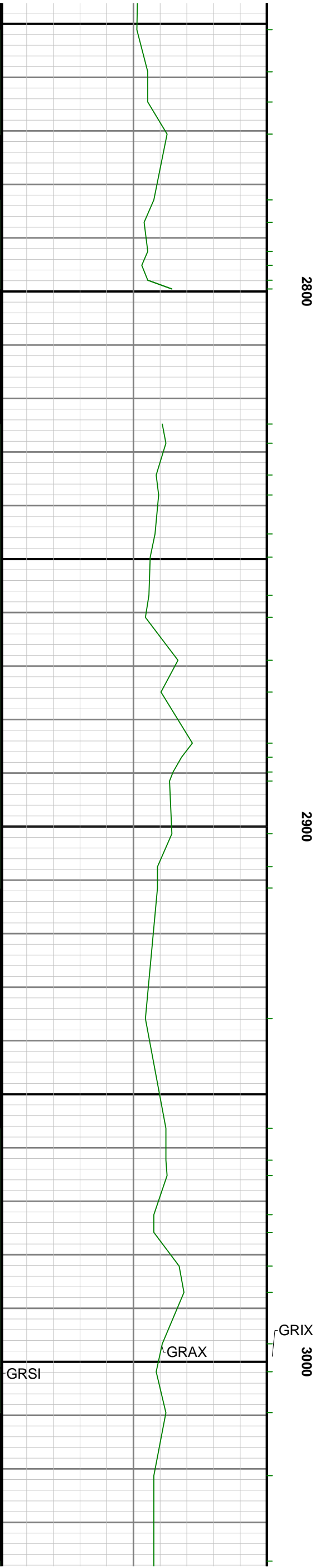
Service and Tool Mnemonics		
Mnemonic	Name	Description
ATC_SU	ATC_SU	Auto Trak Curve Steering Unit
ATC_MWD	ATC_MWD	Auto Trak Curve MWD
ATC_LCPM	ATC_LCPM	Auto Trak Curve LCPM

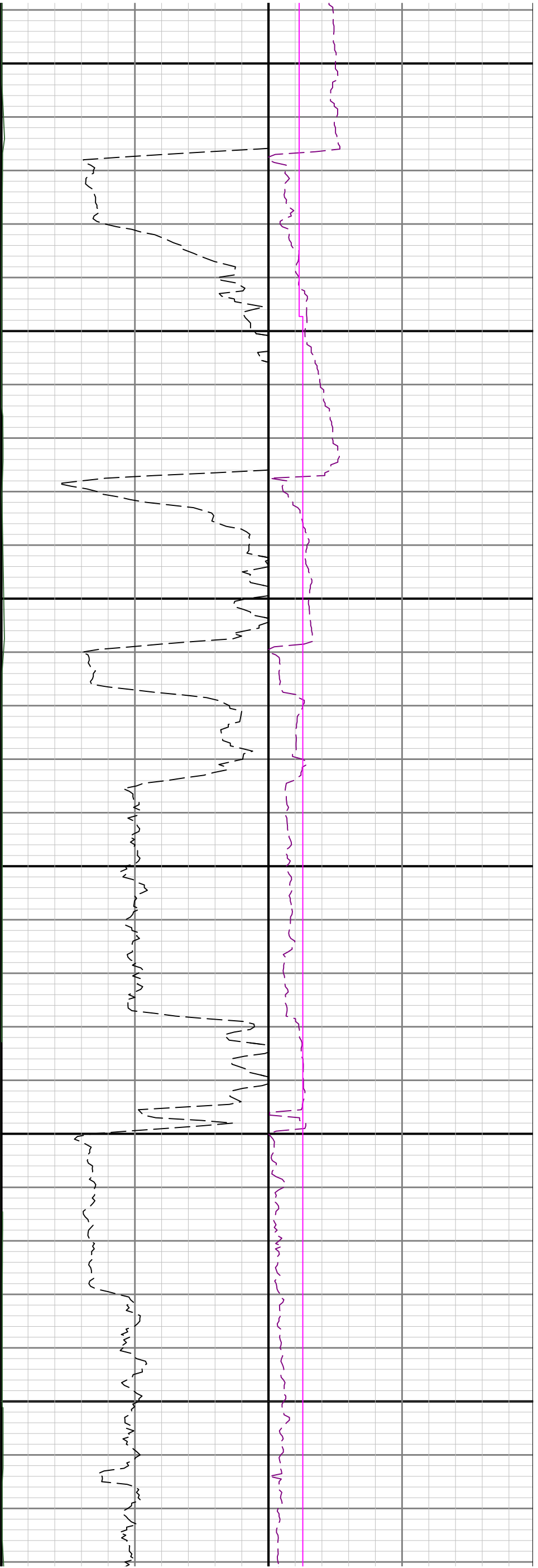
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<div>Gamma Ray - Apparent 0.5 ft Average [GRAX]</div> <div>0200</div>		<div>MD 1:2</div>	<div>Gamma Time Since Drilled</div> <div>0600</div>	<div>Weight On Bit, Average 1 ft Average [WOBA]</div> <div>0100</div>
<div>API</div>			<div>min</div>	<div>klb</div>







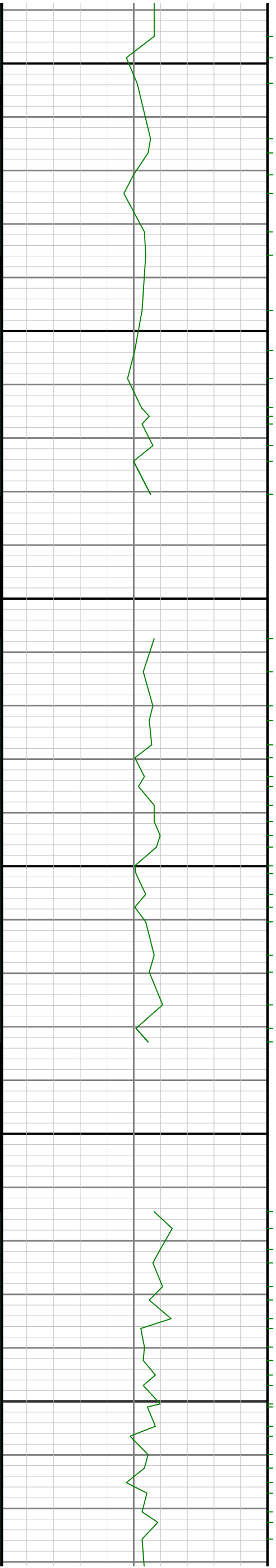


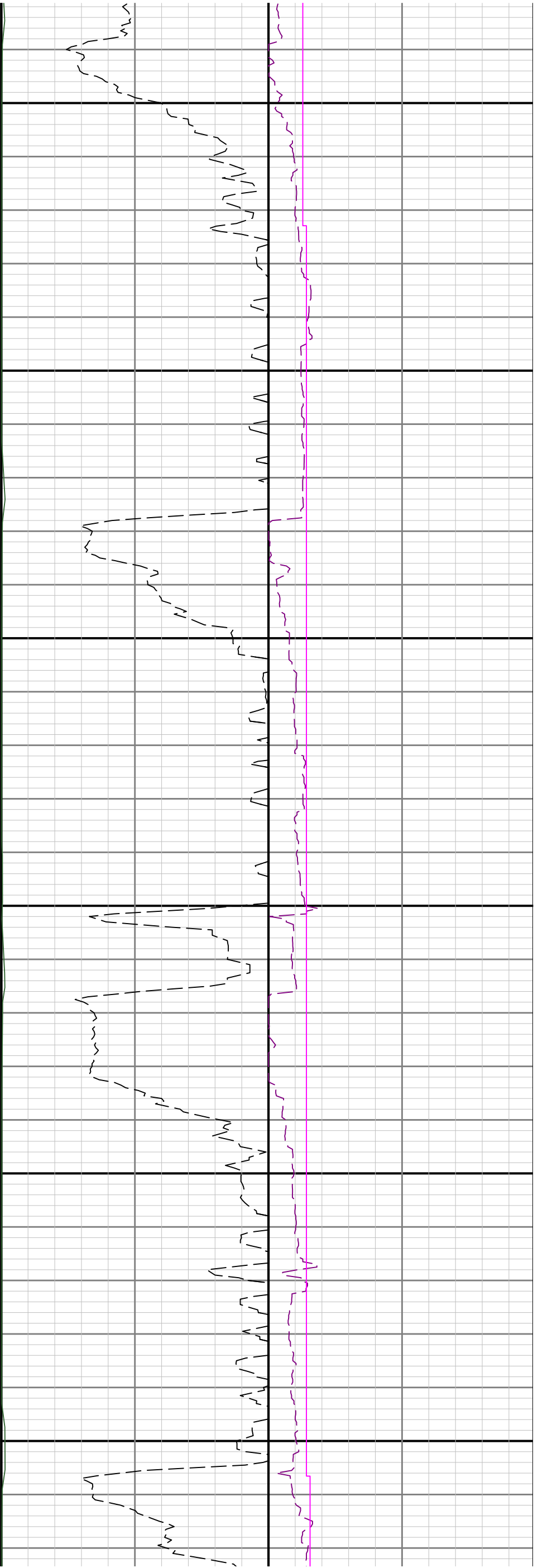


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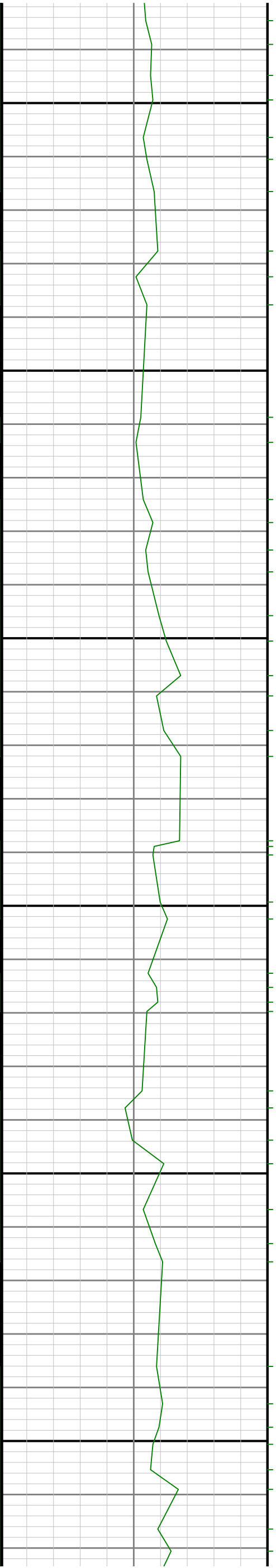


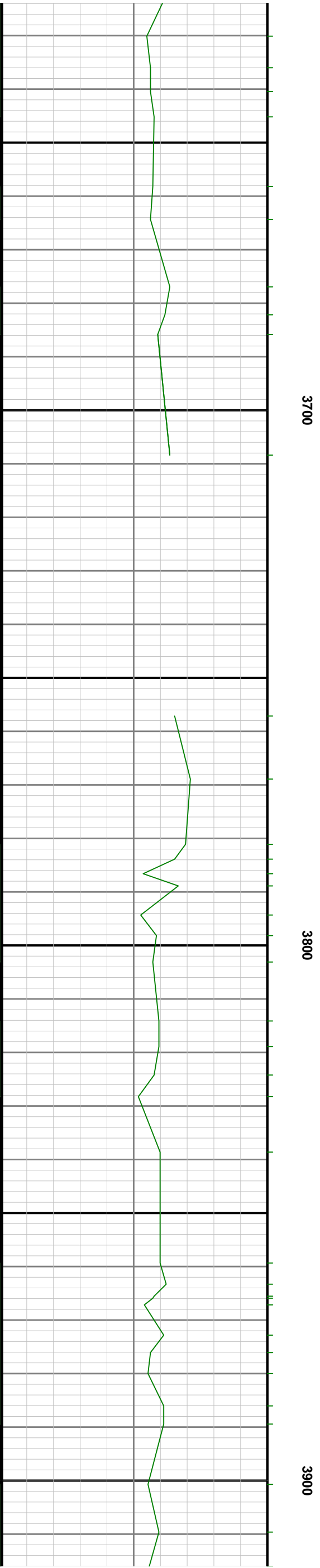
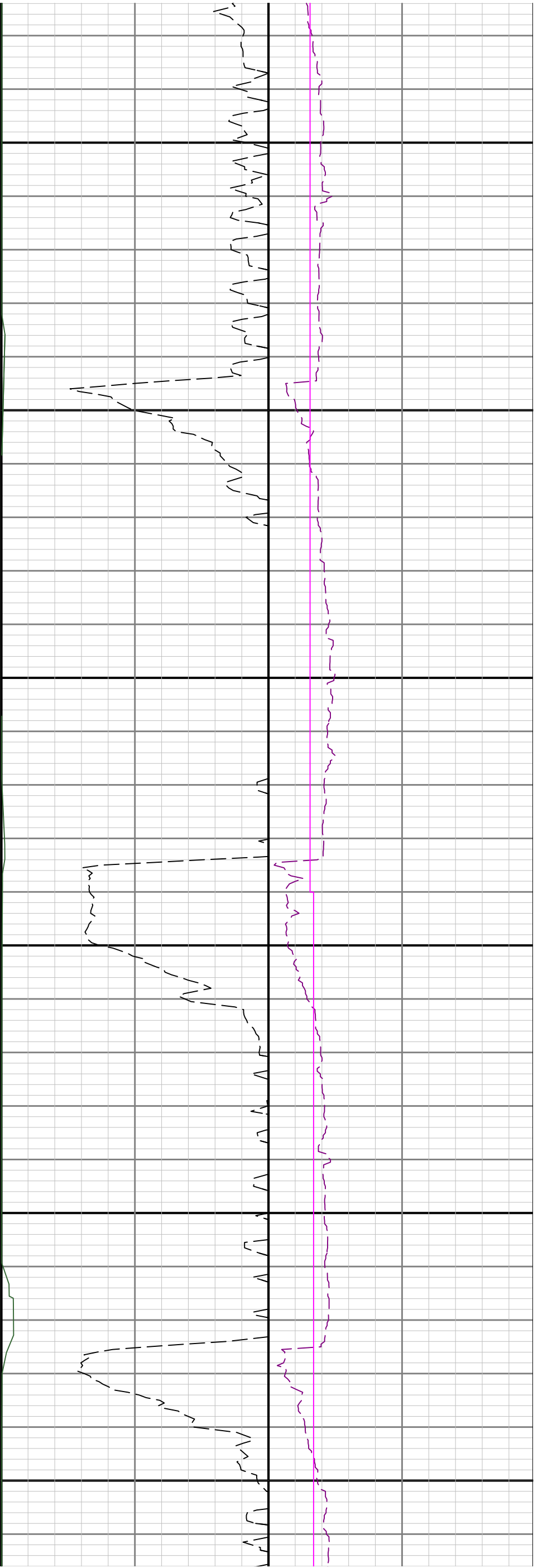


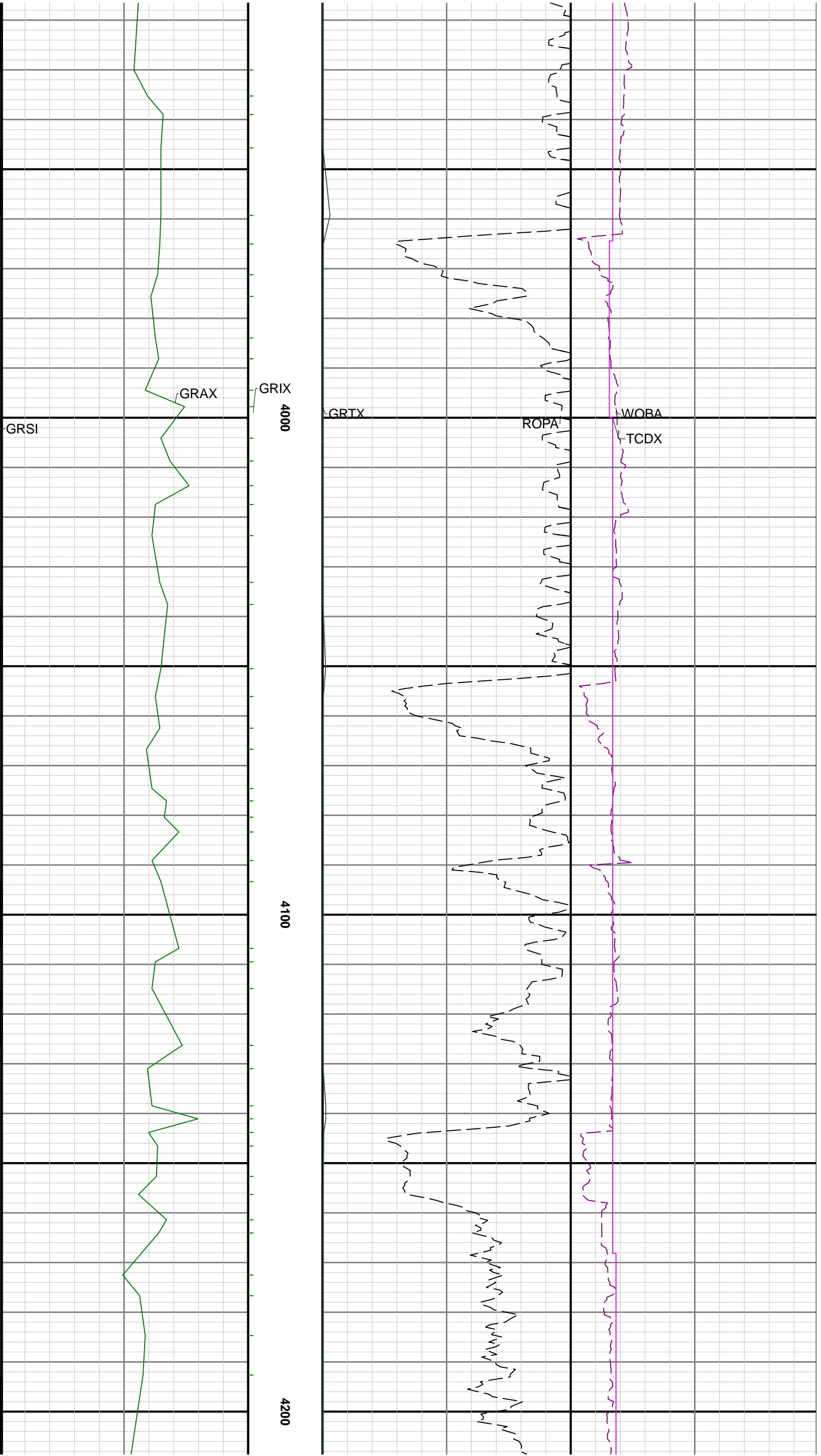
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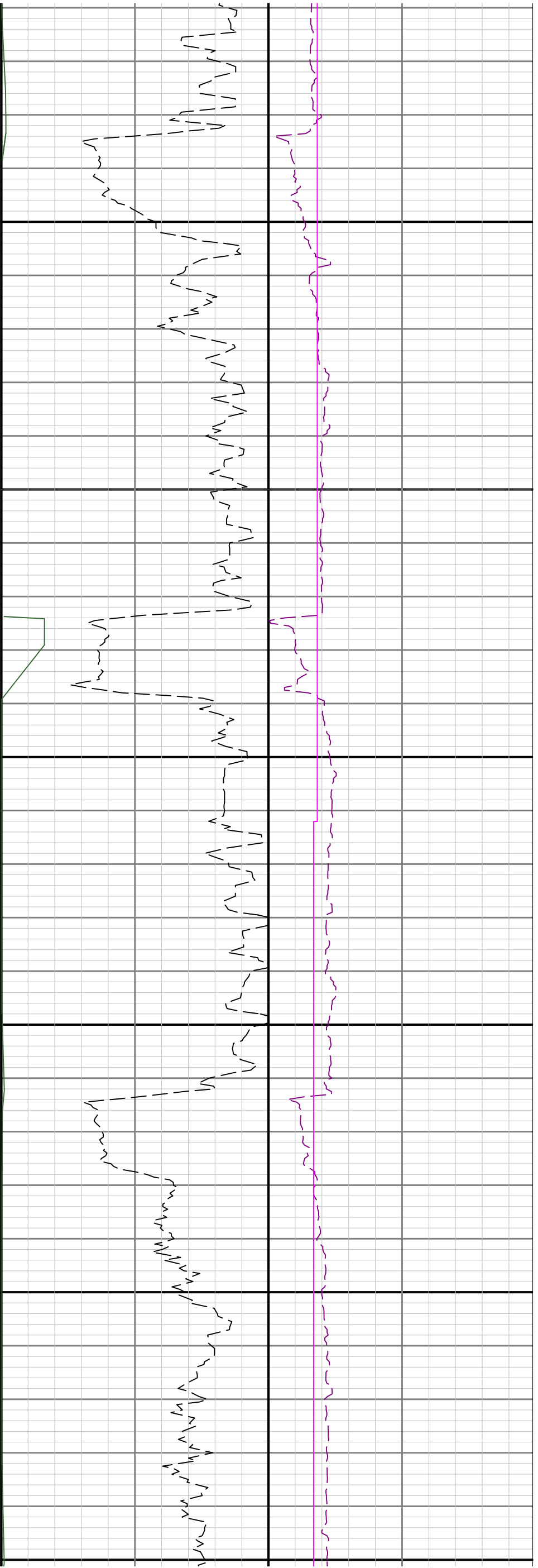
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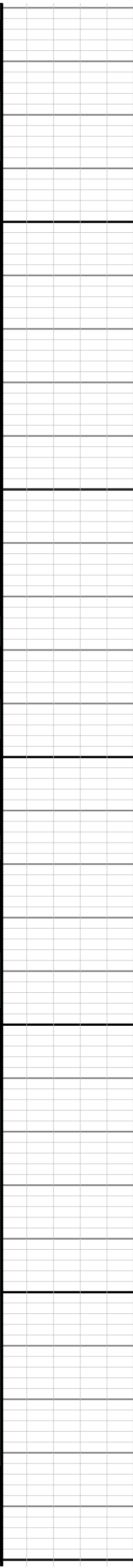
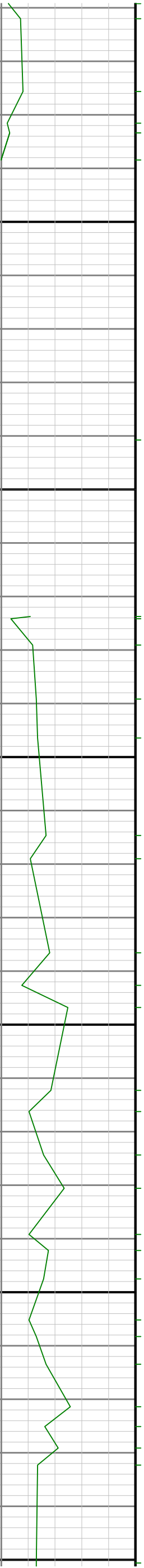


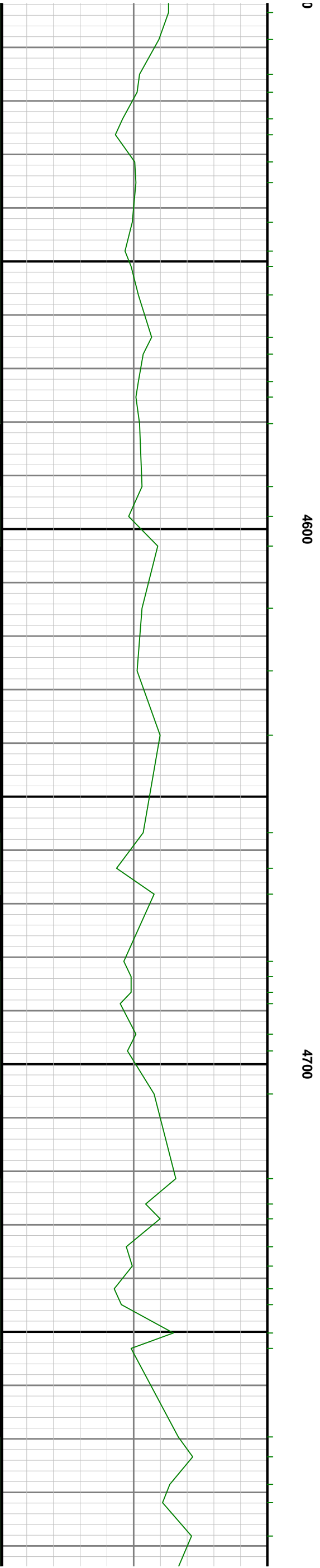
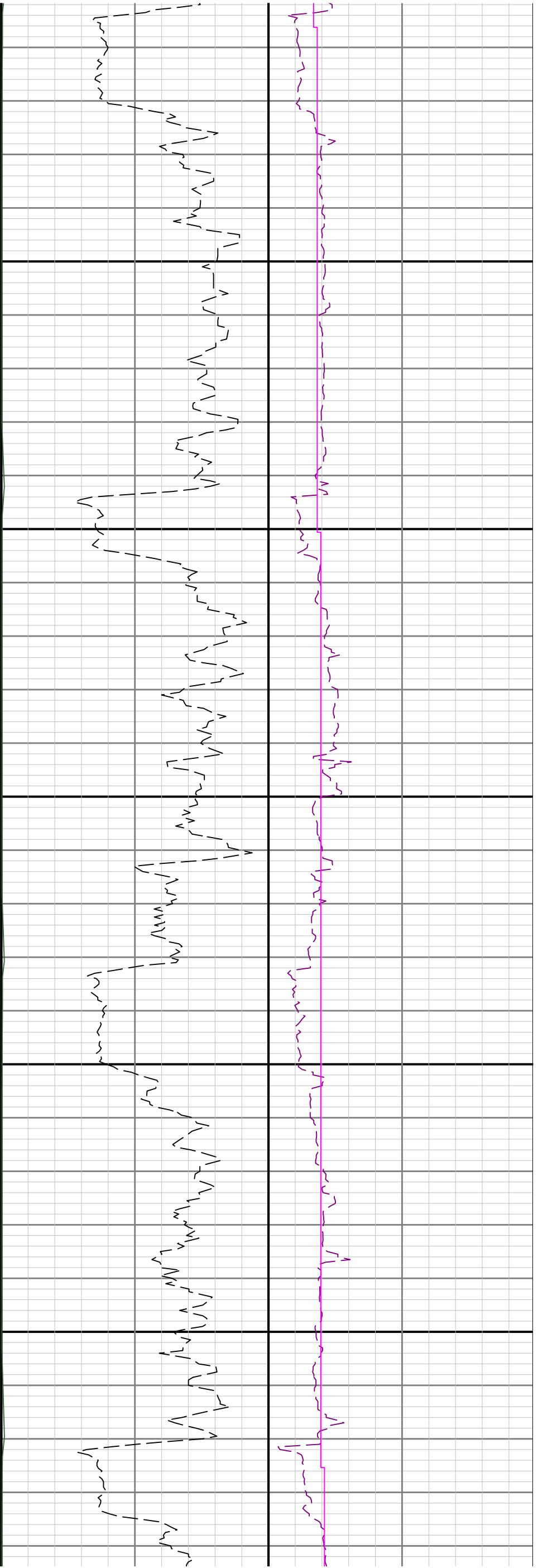


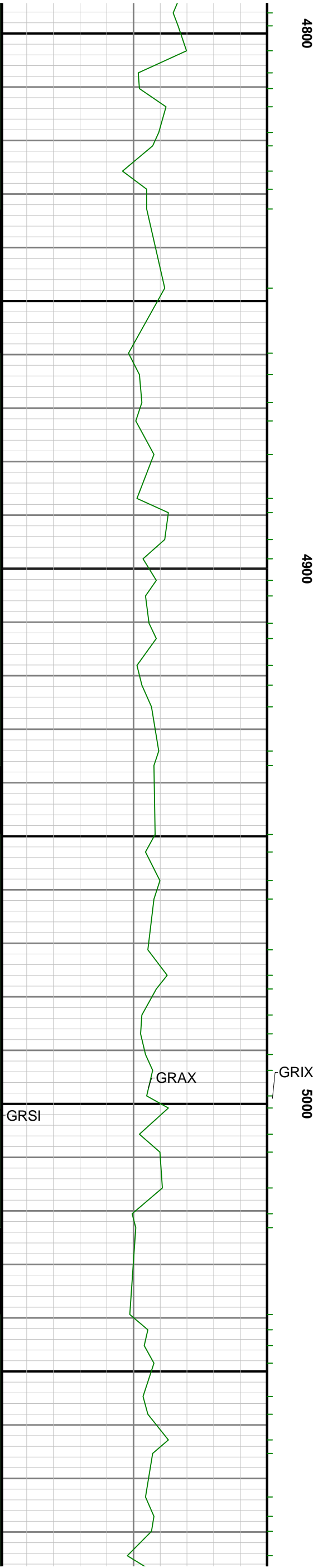
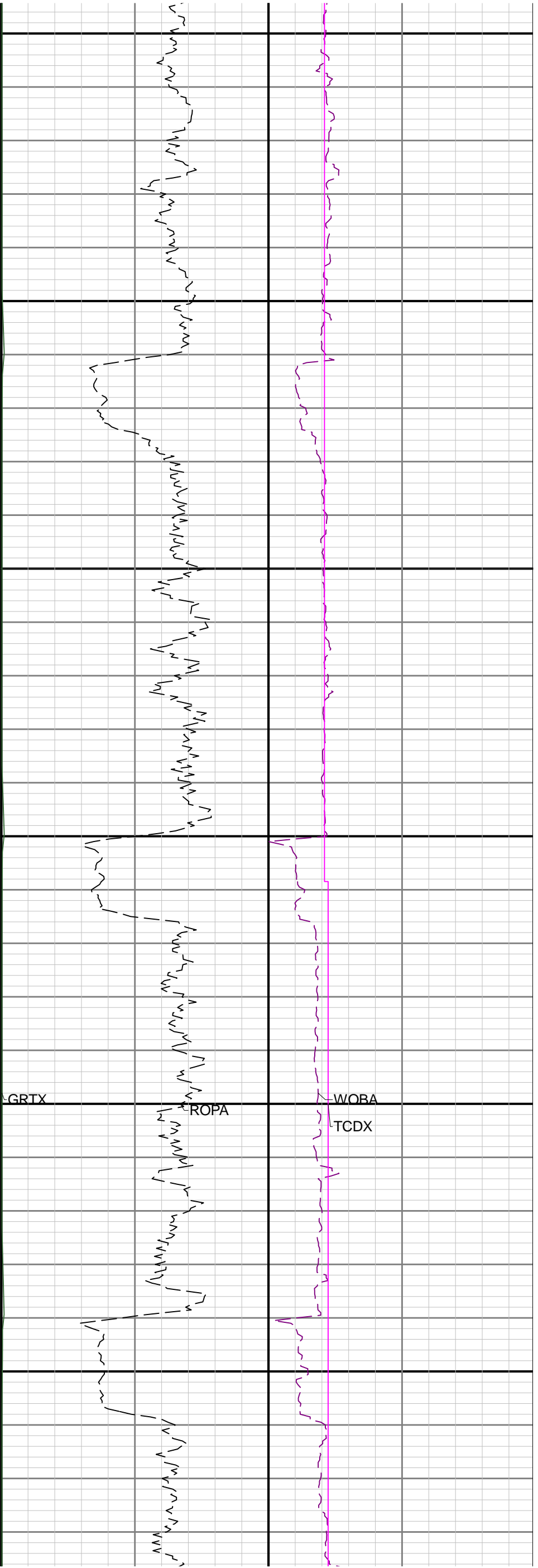
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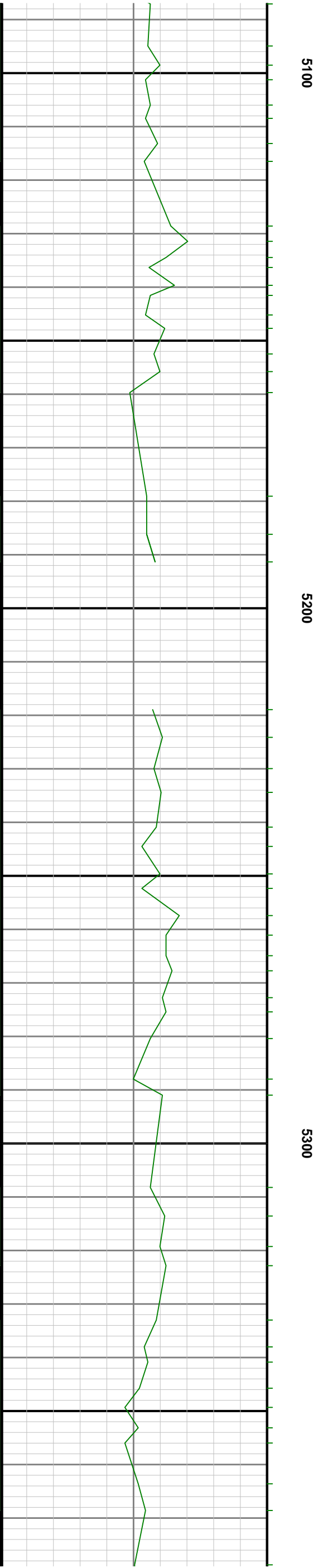
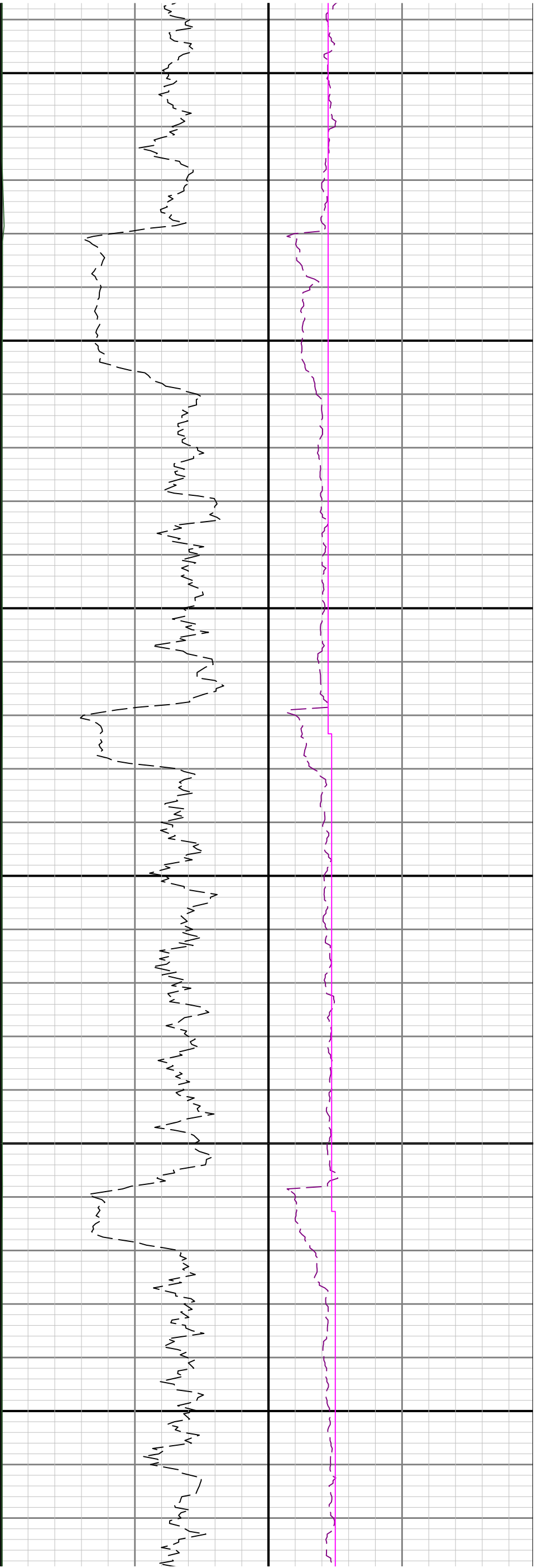
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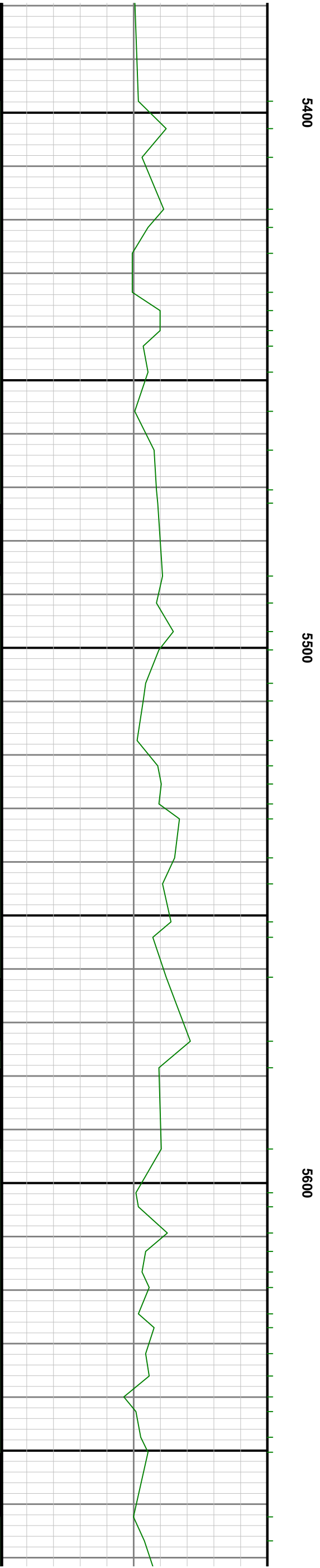
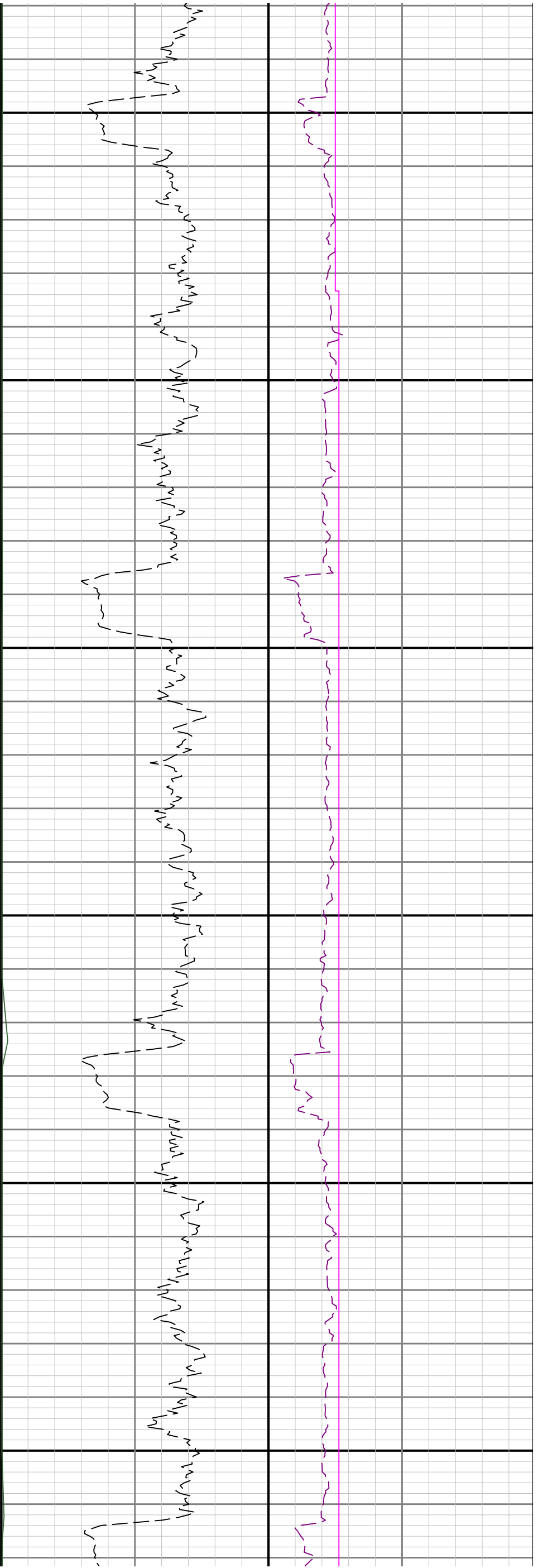
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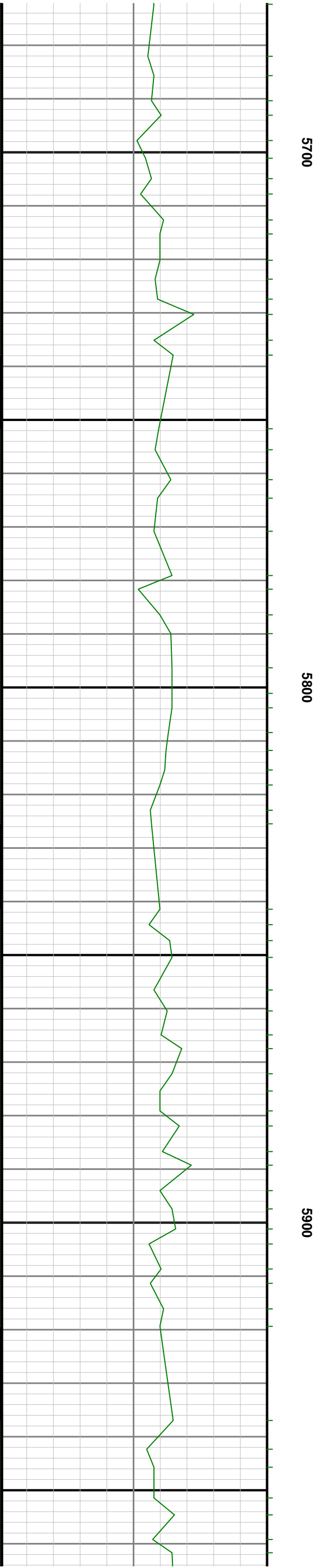
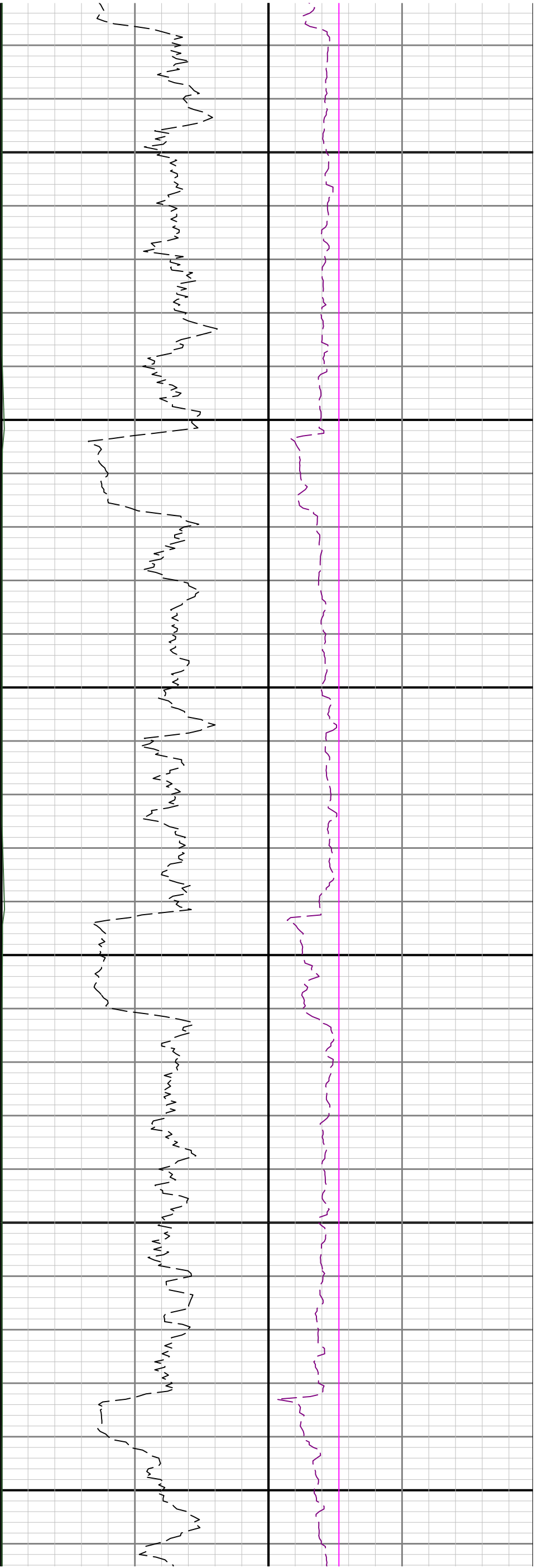


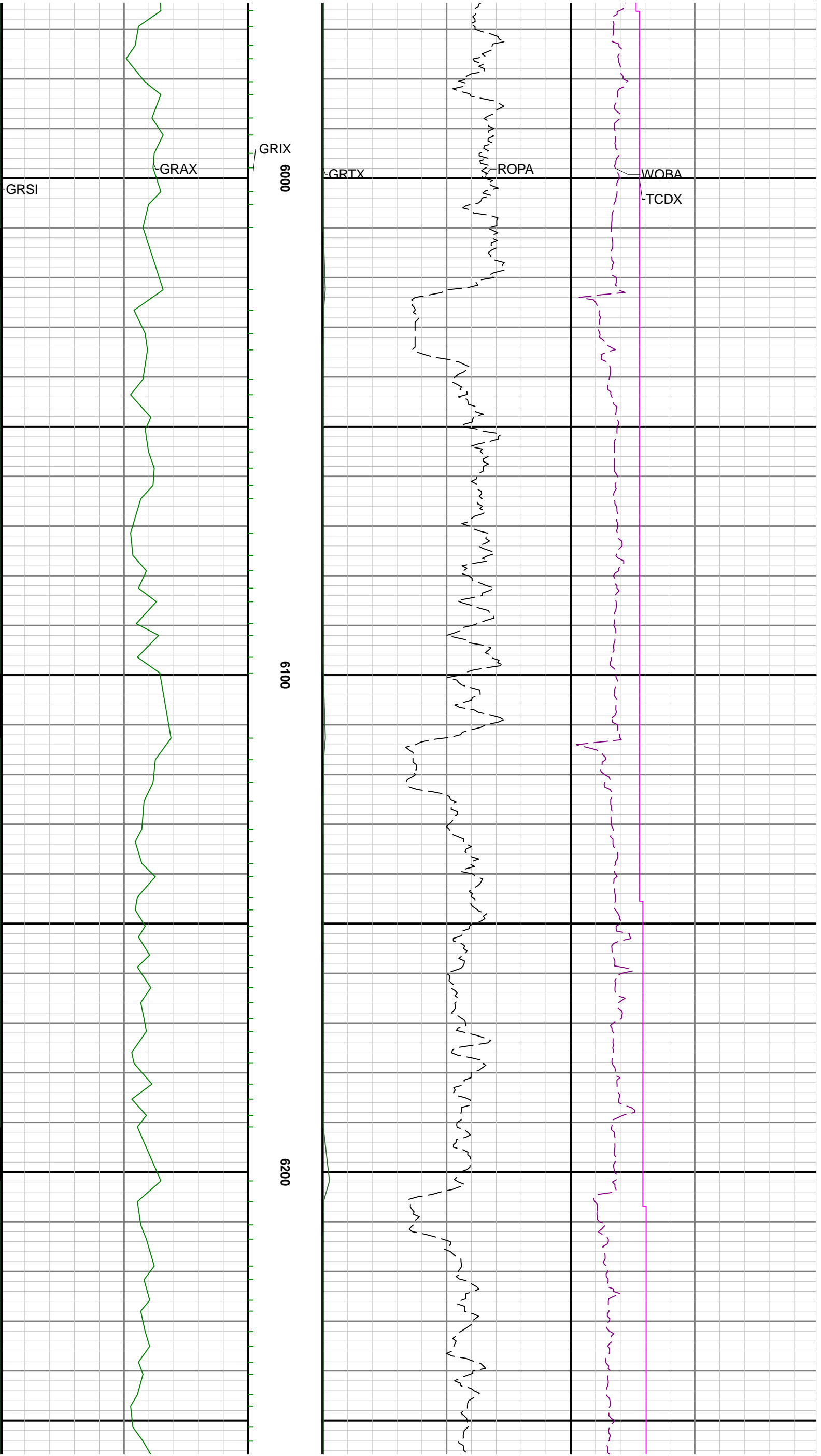


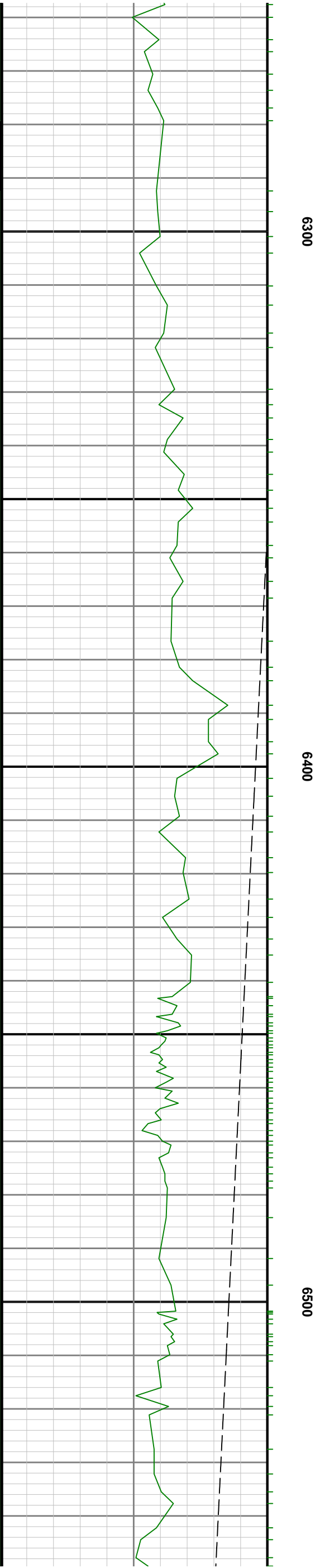
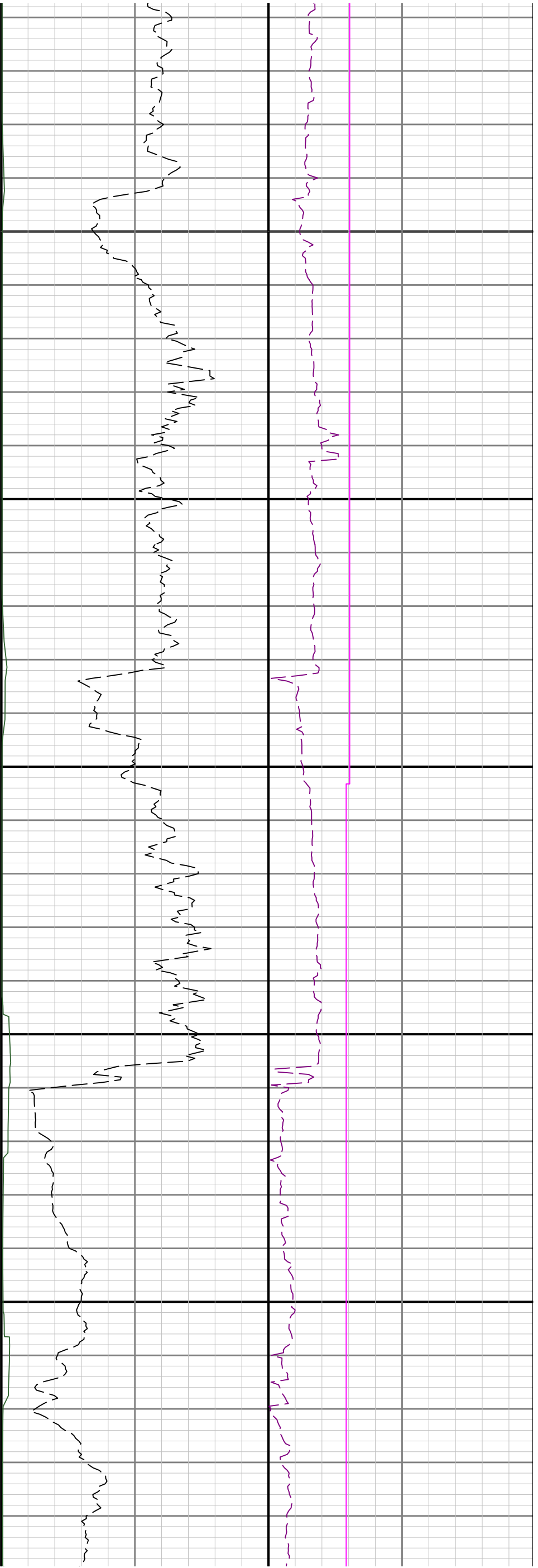


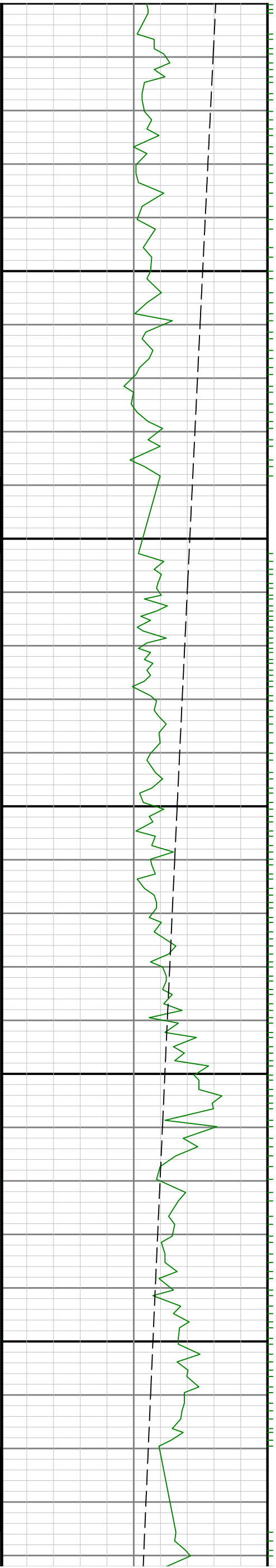










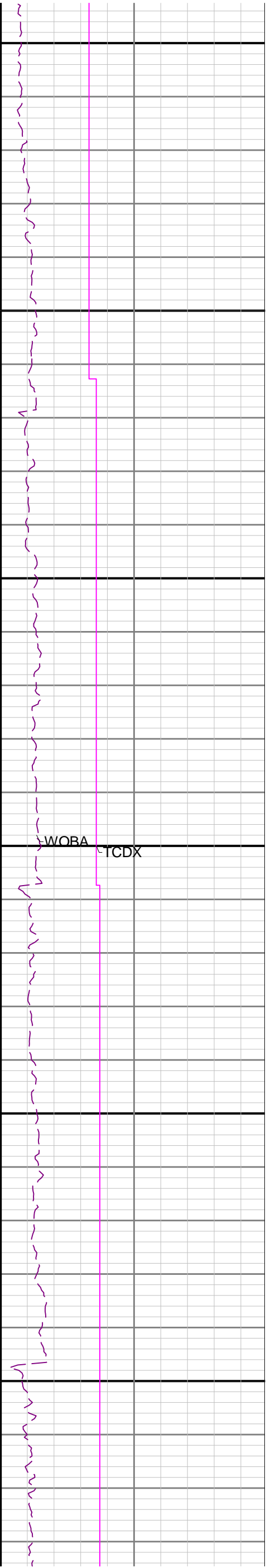
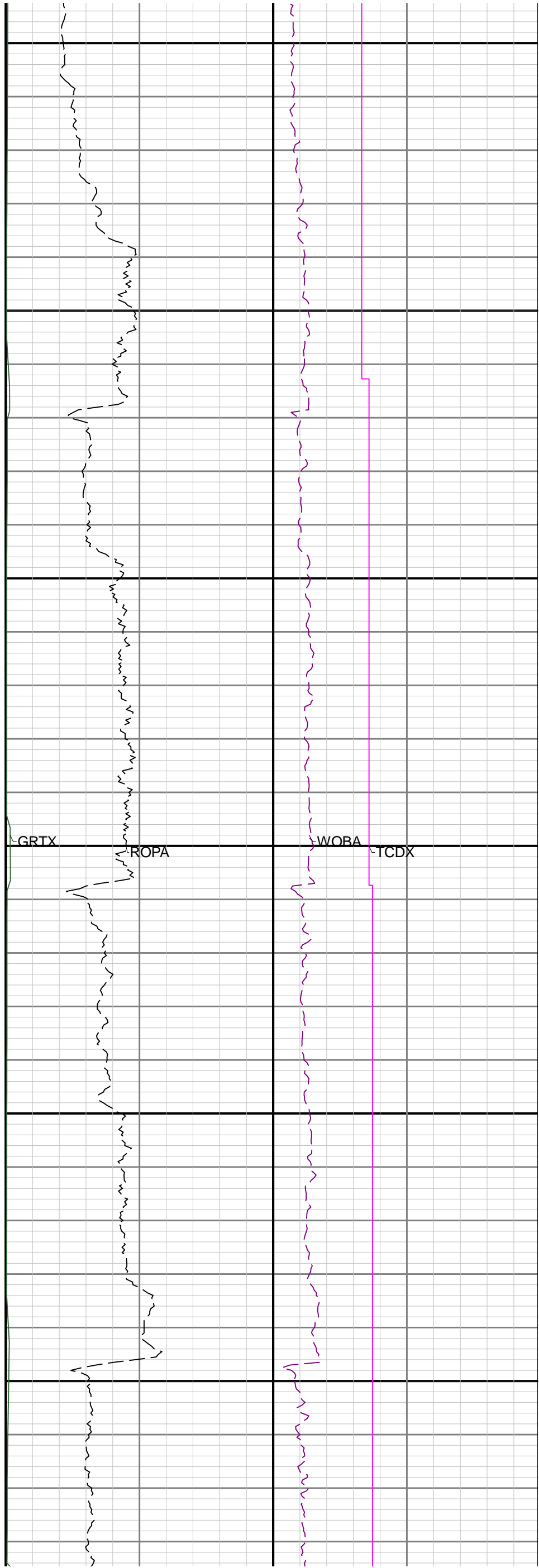
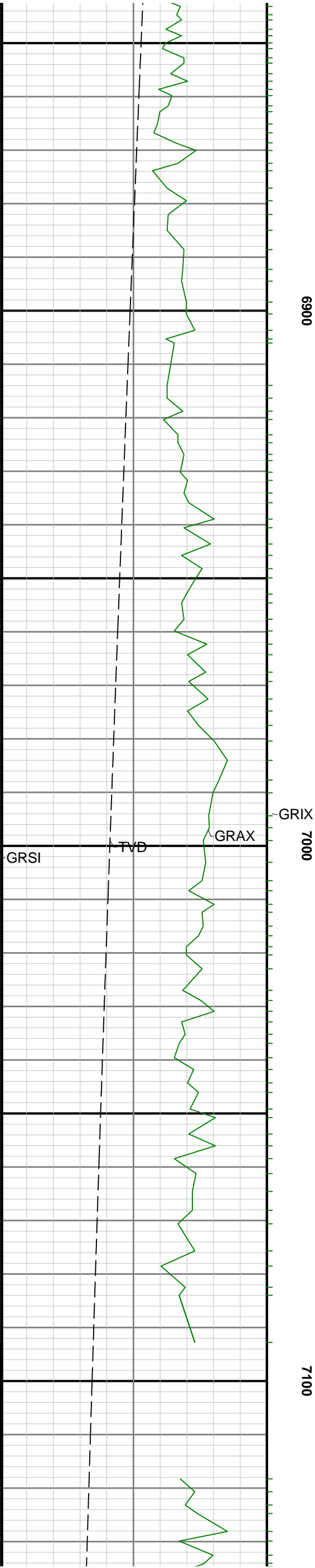


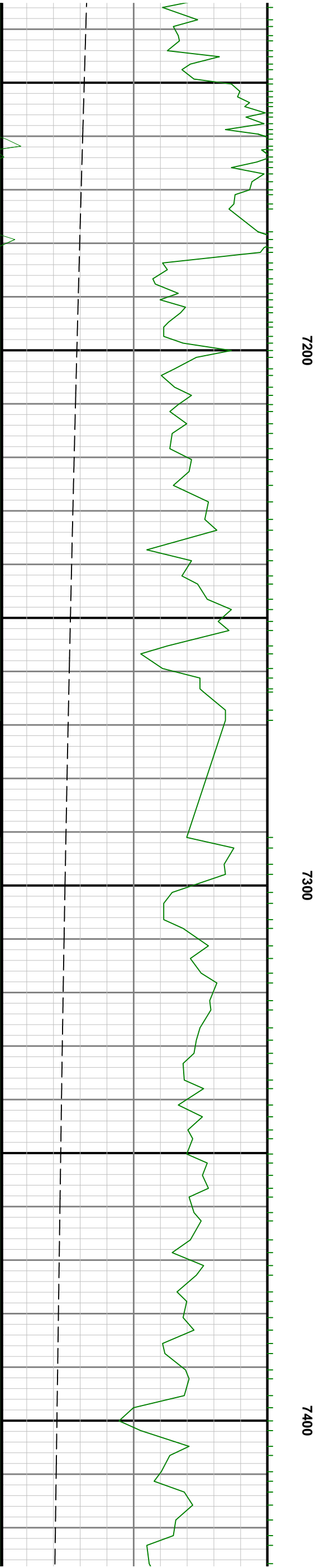
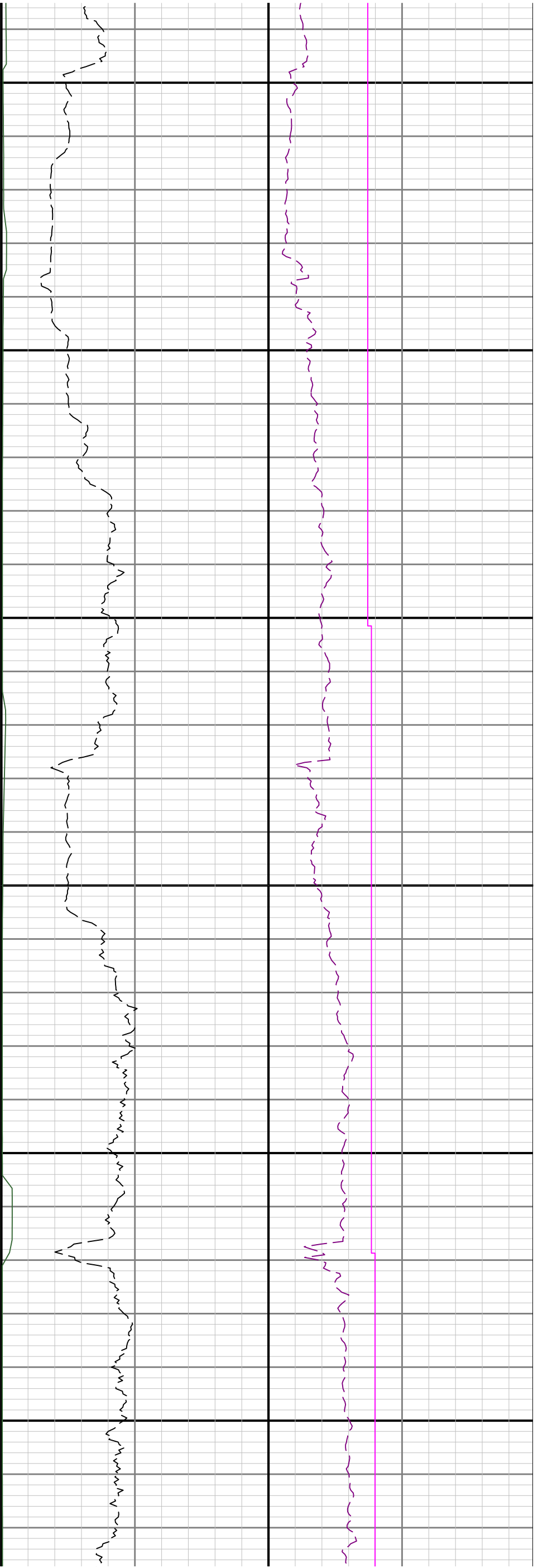
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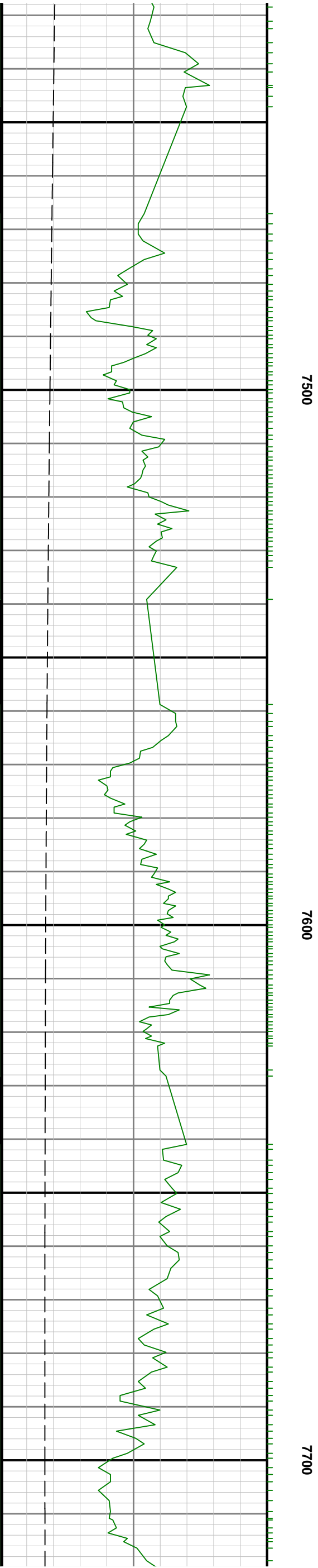
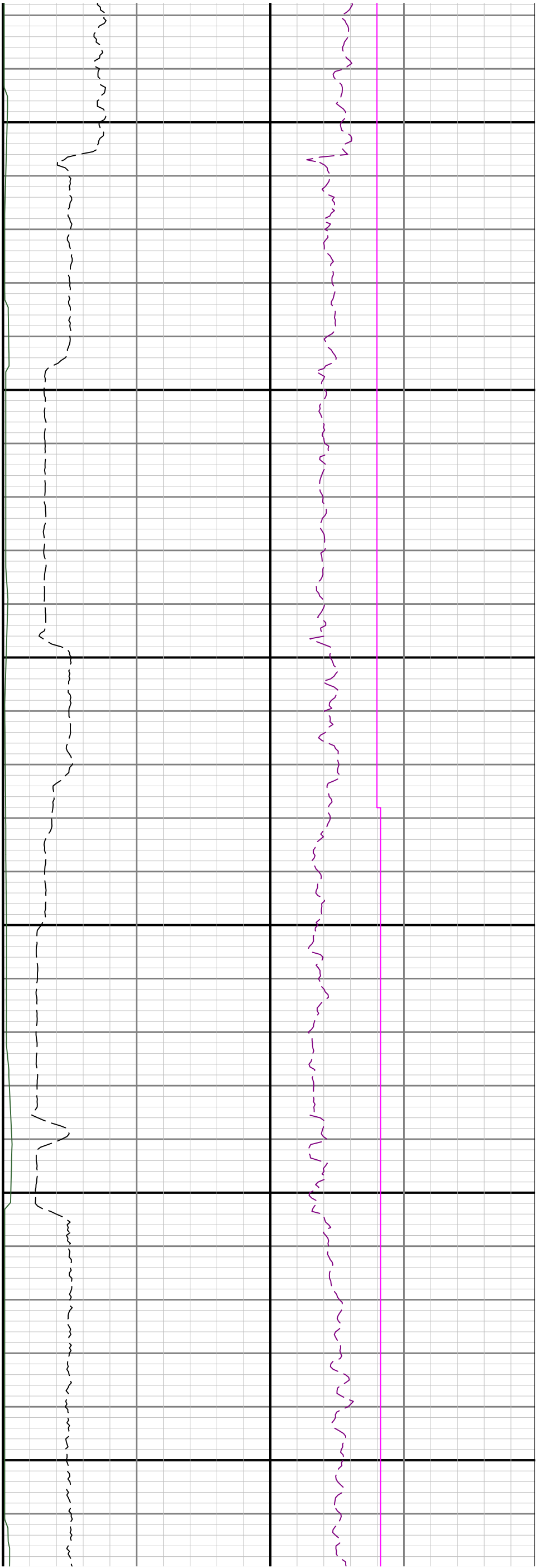
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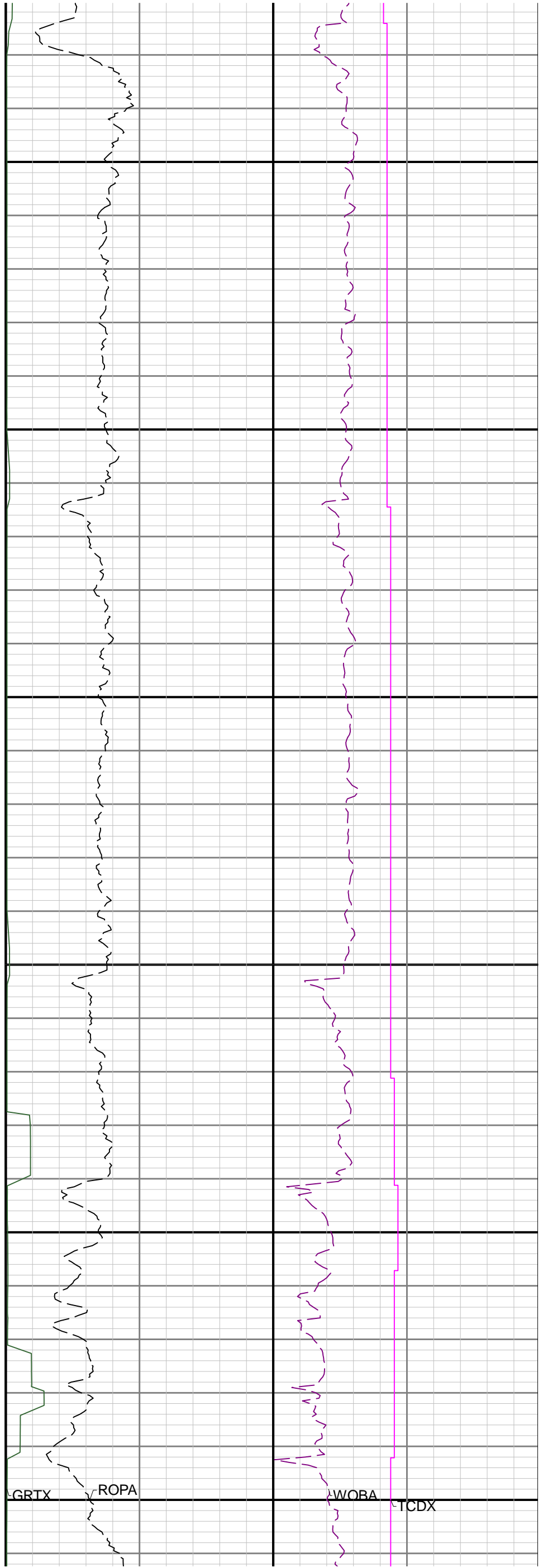
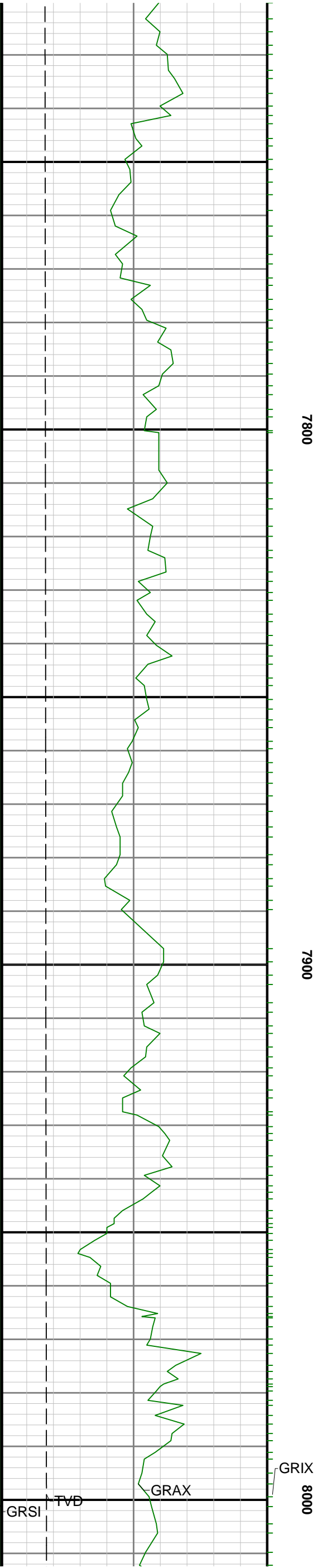
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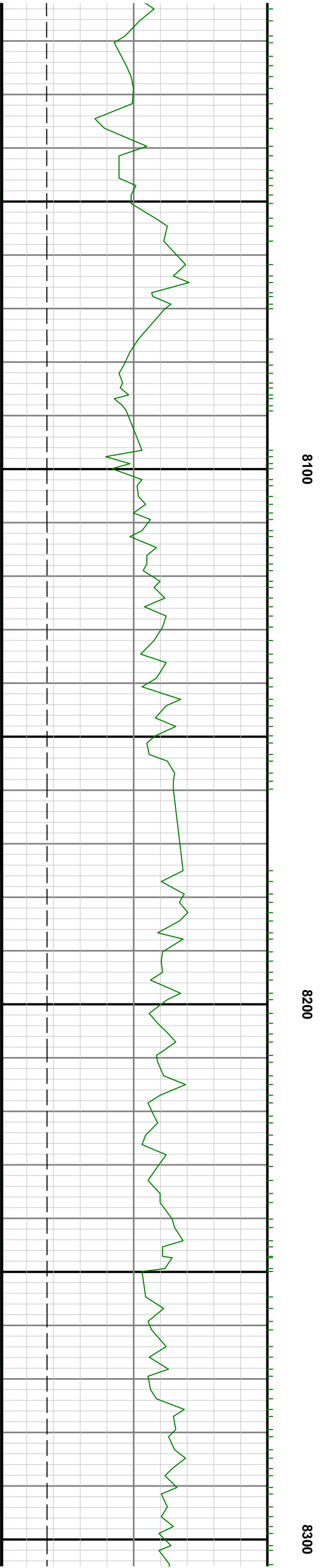
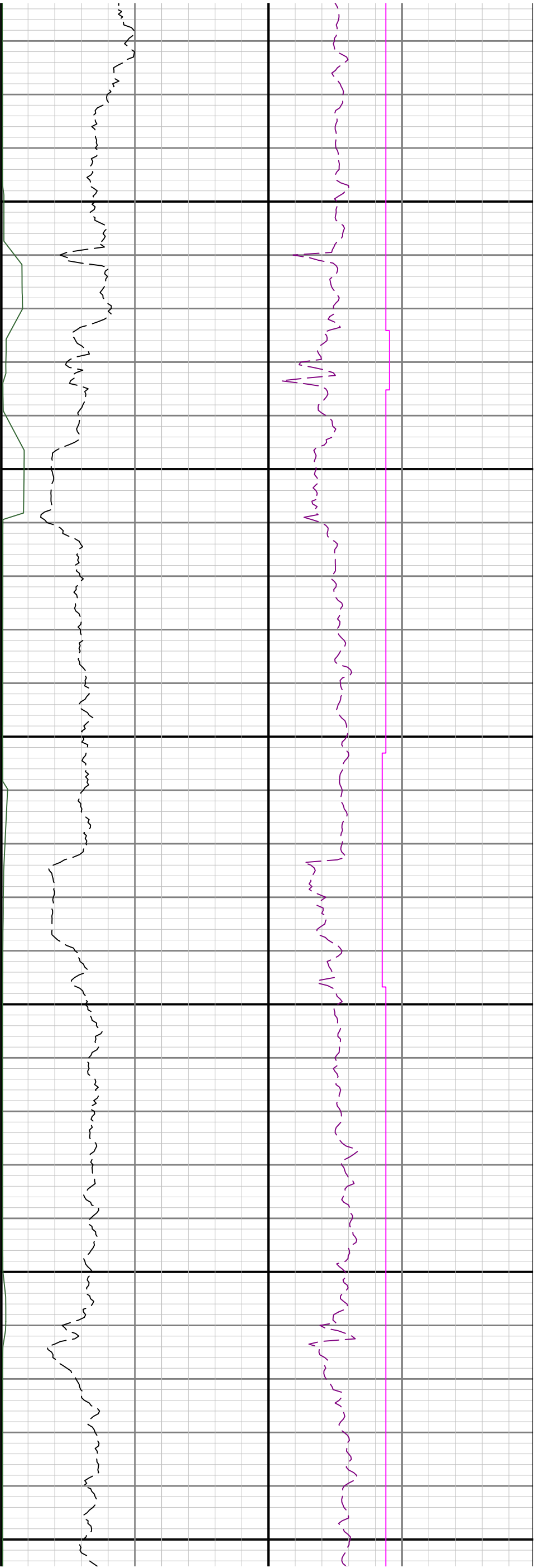


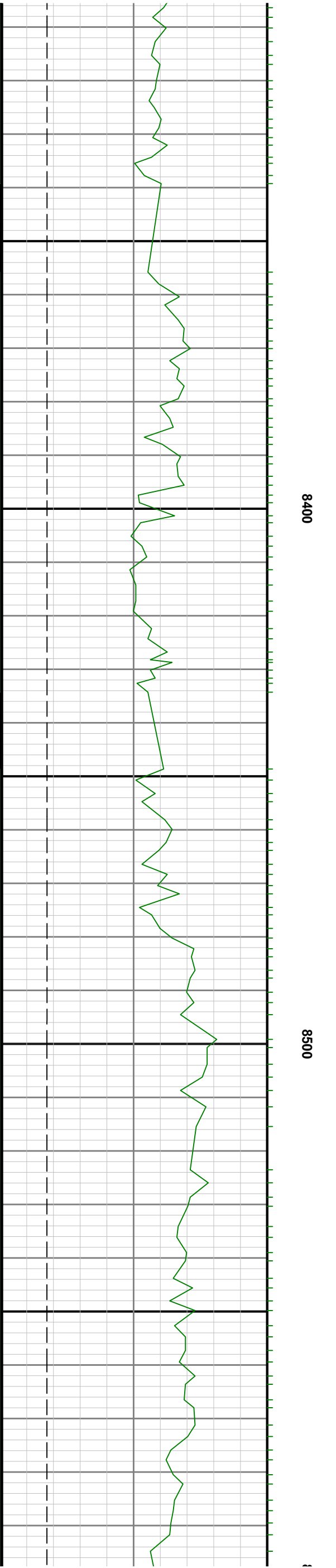
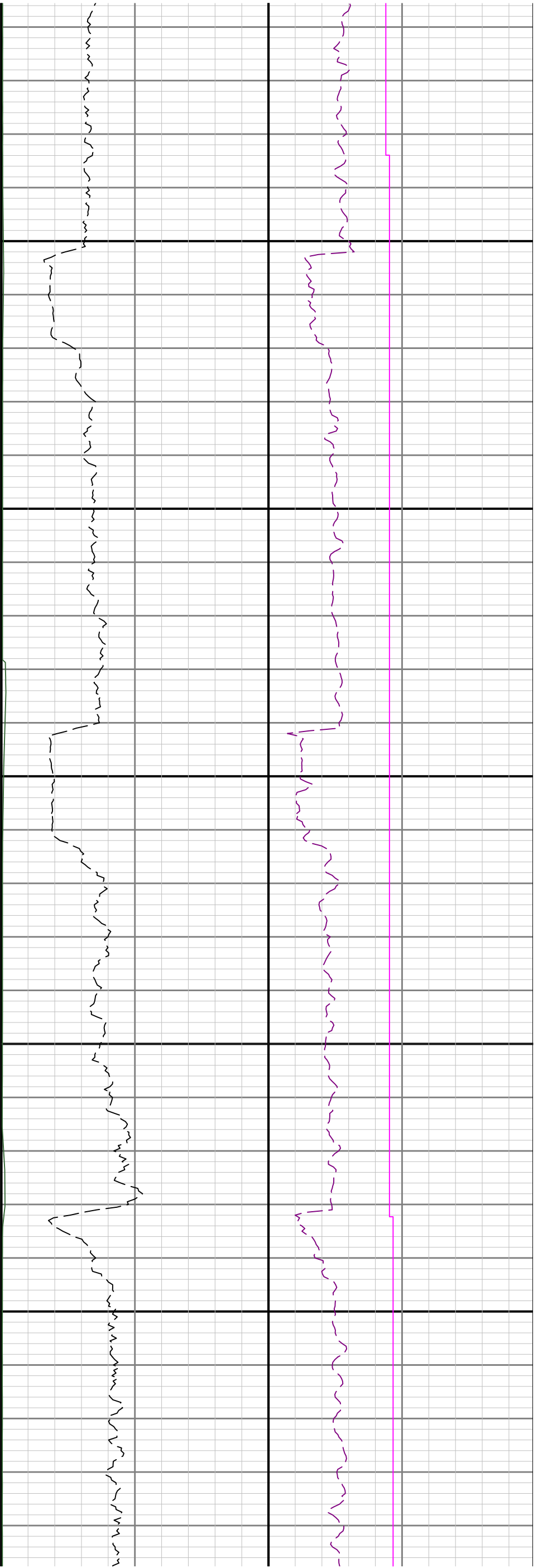


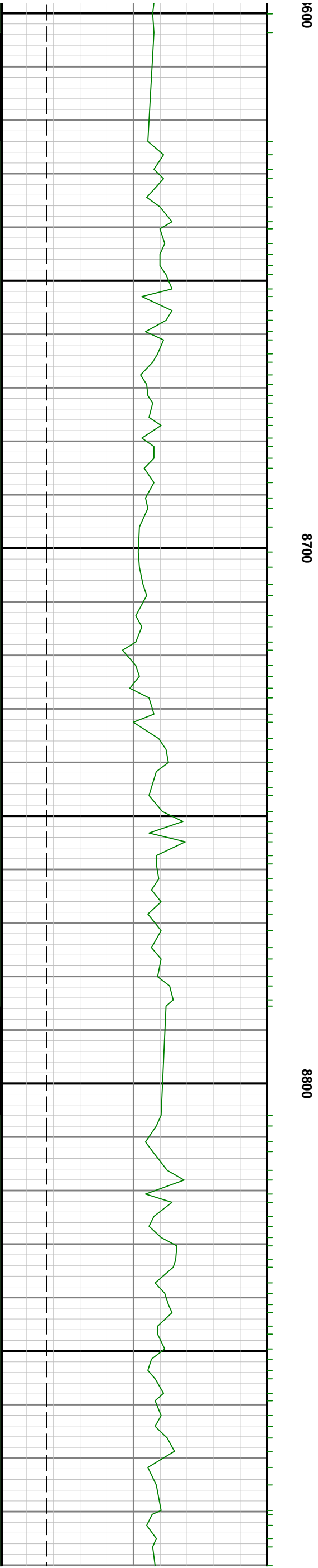
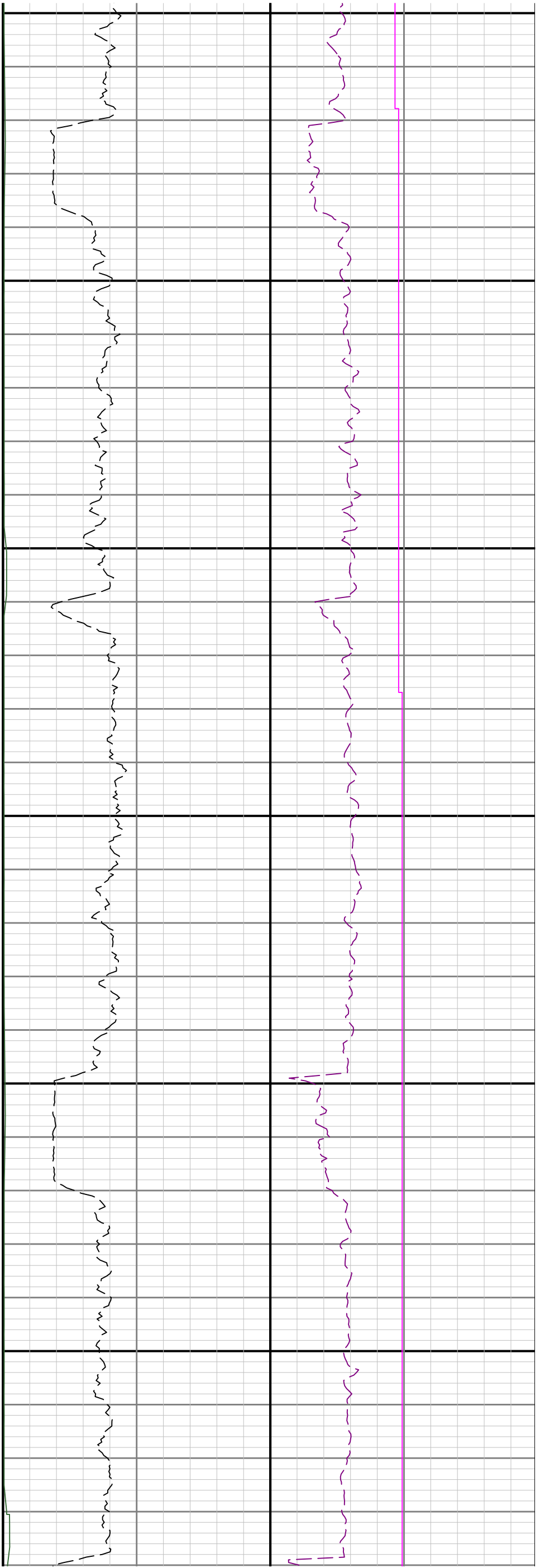


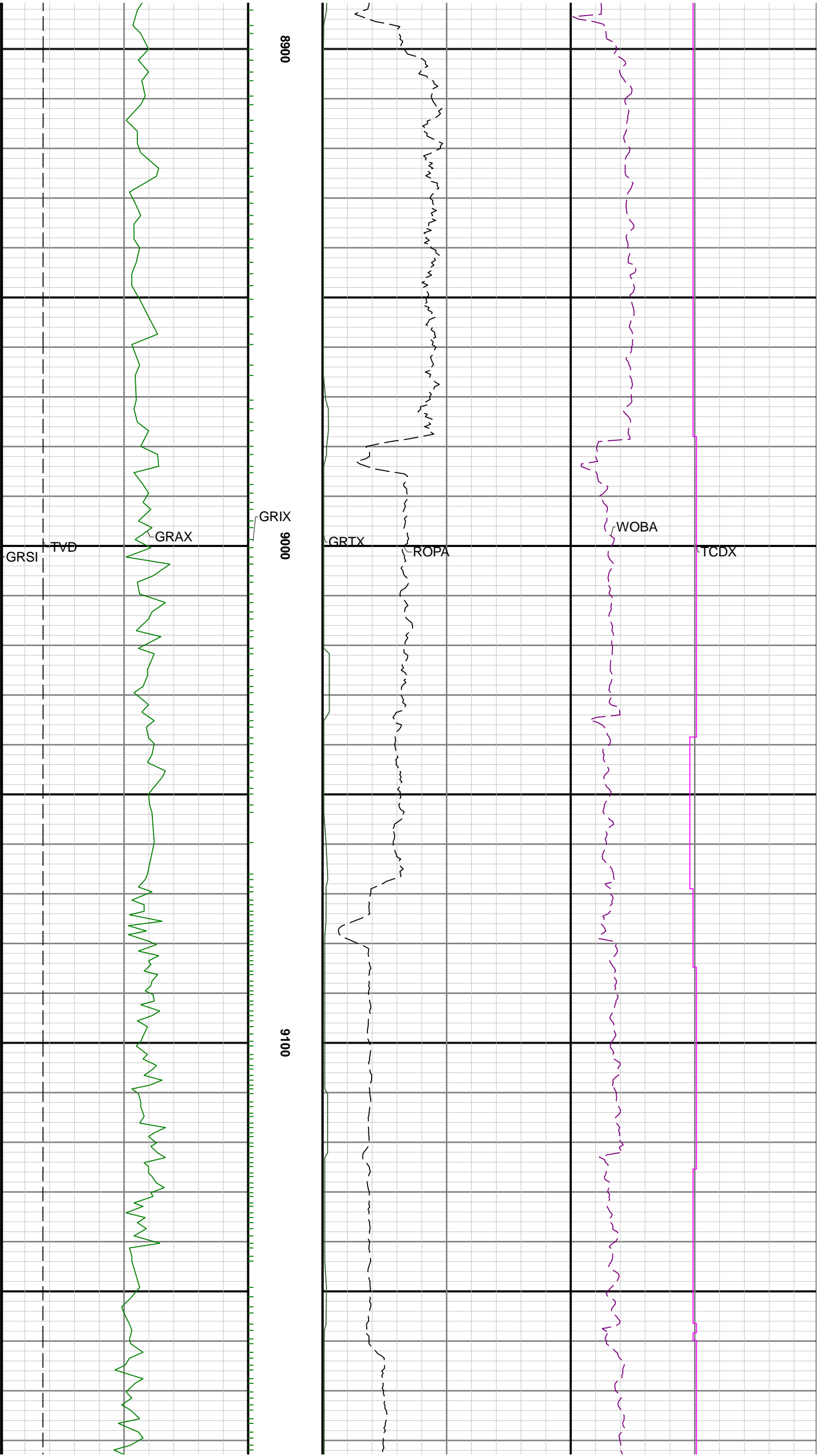


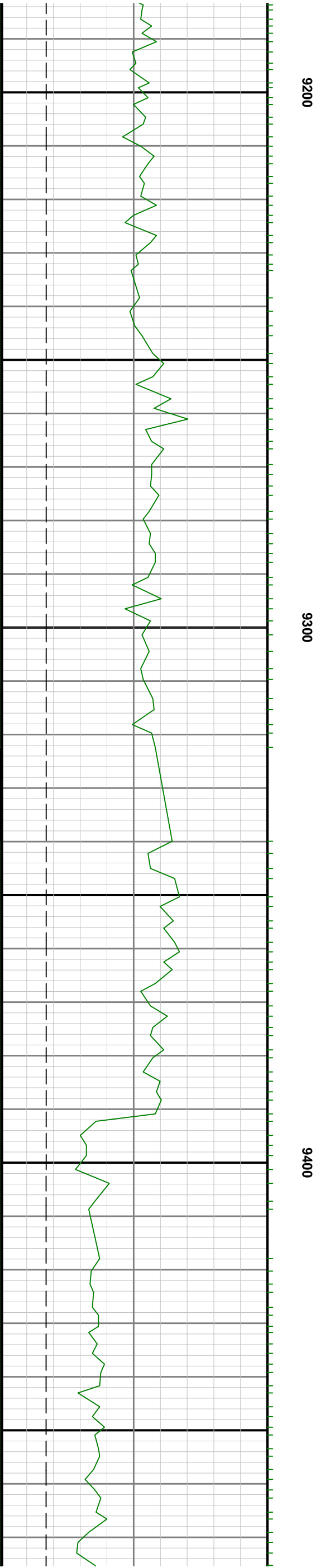
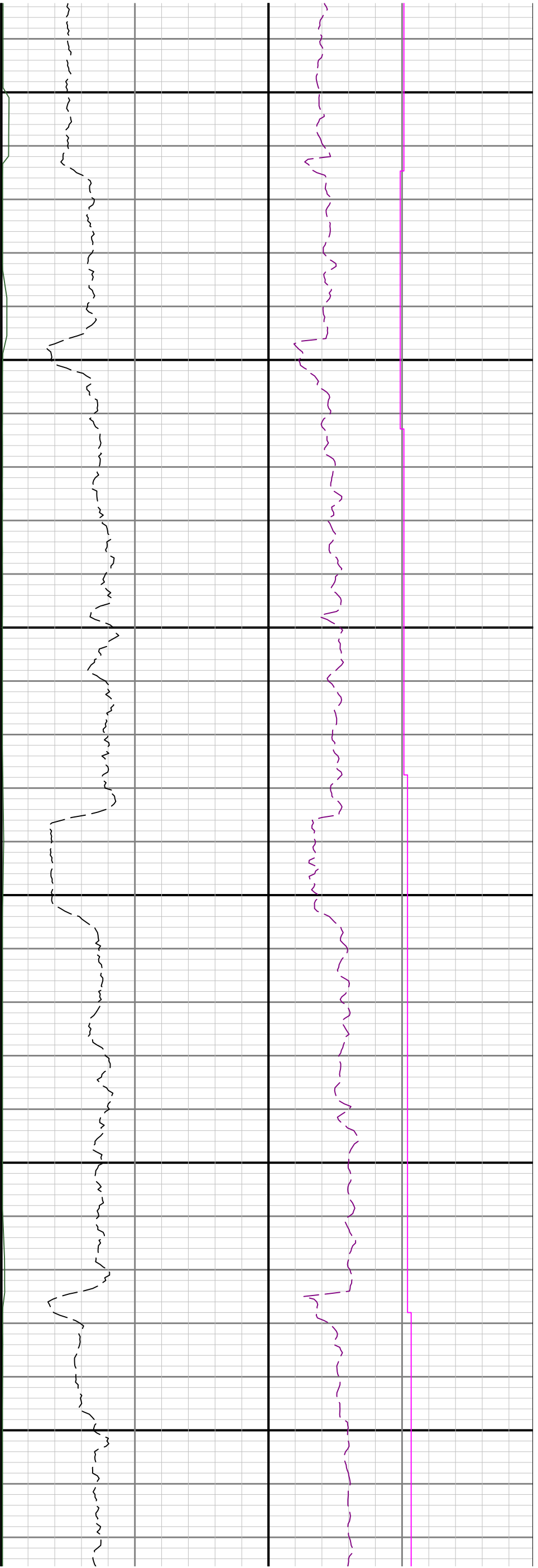


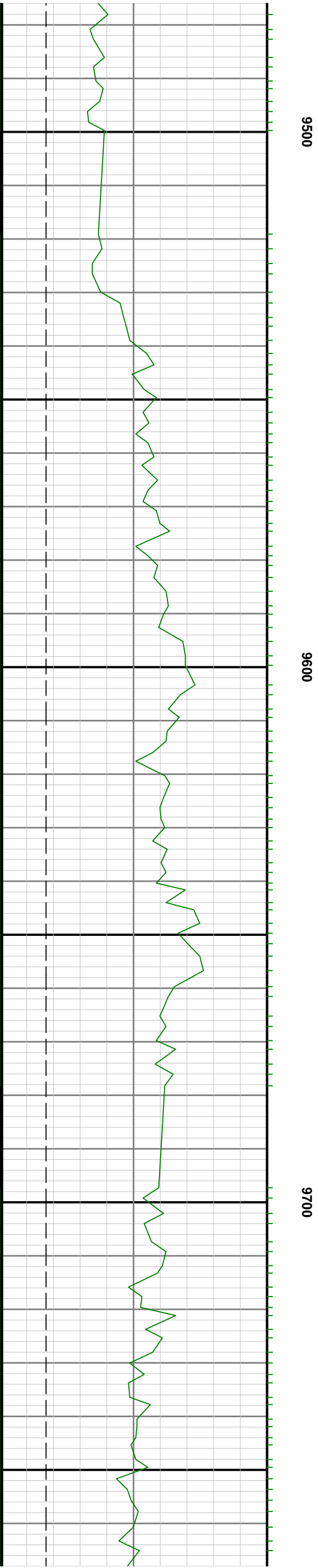
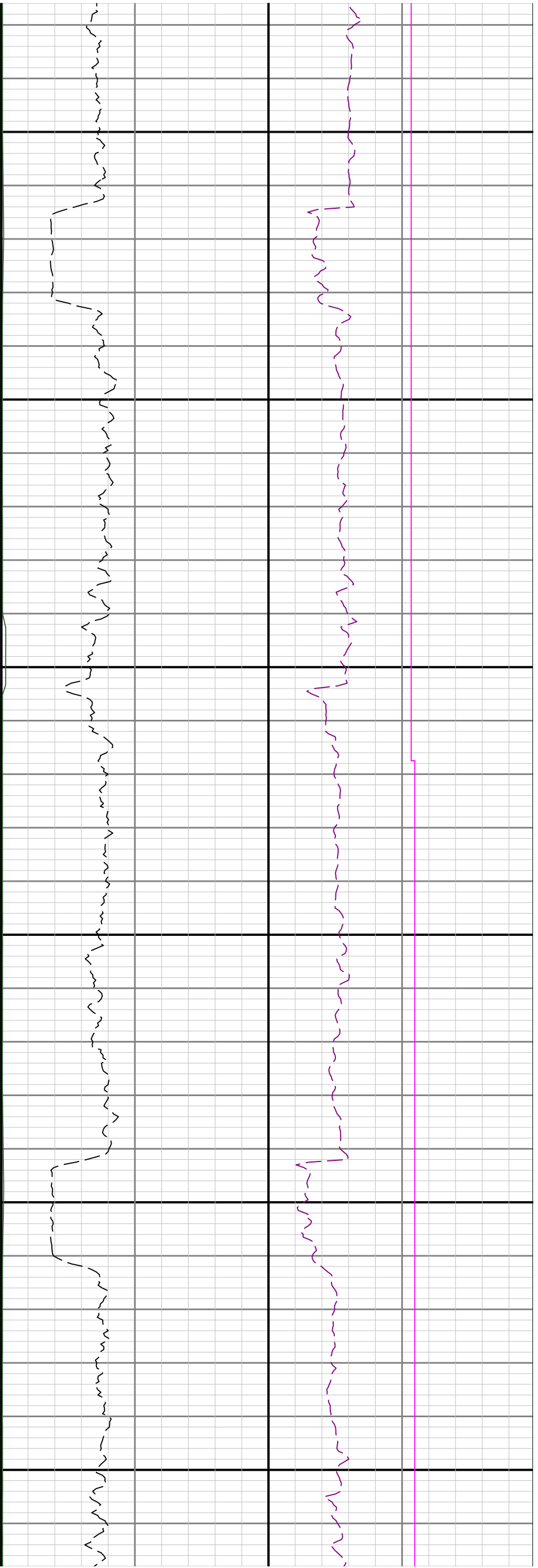


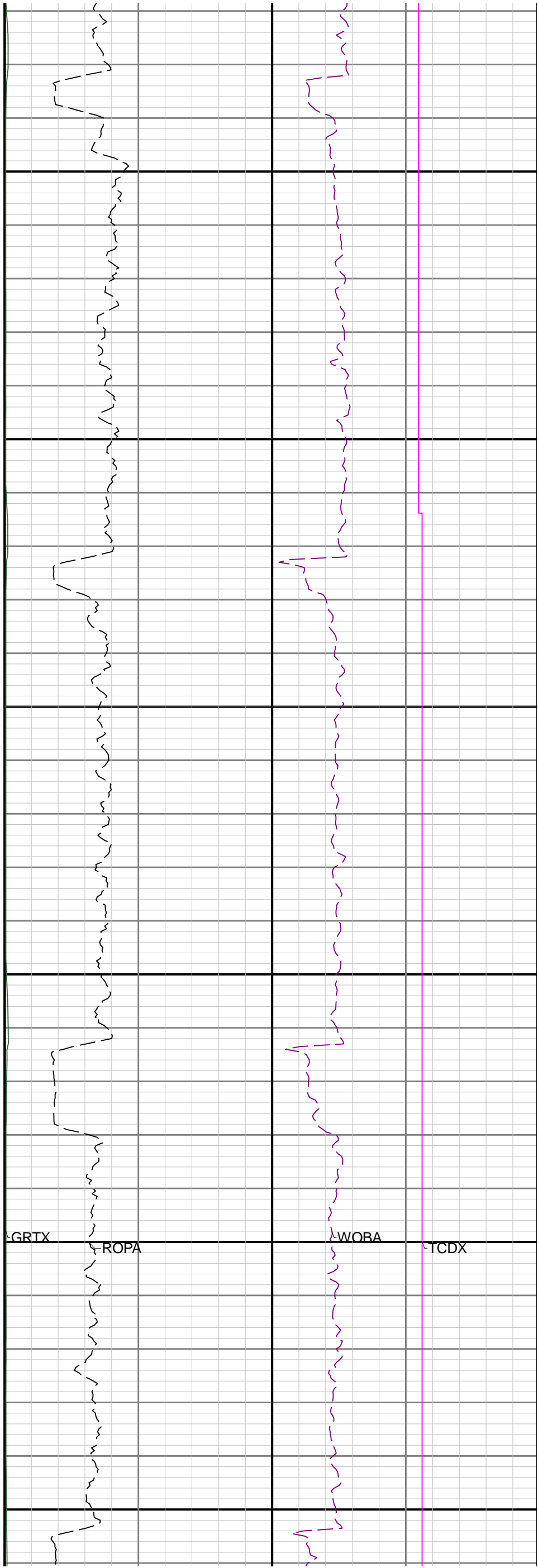
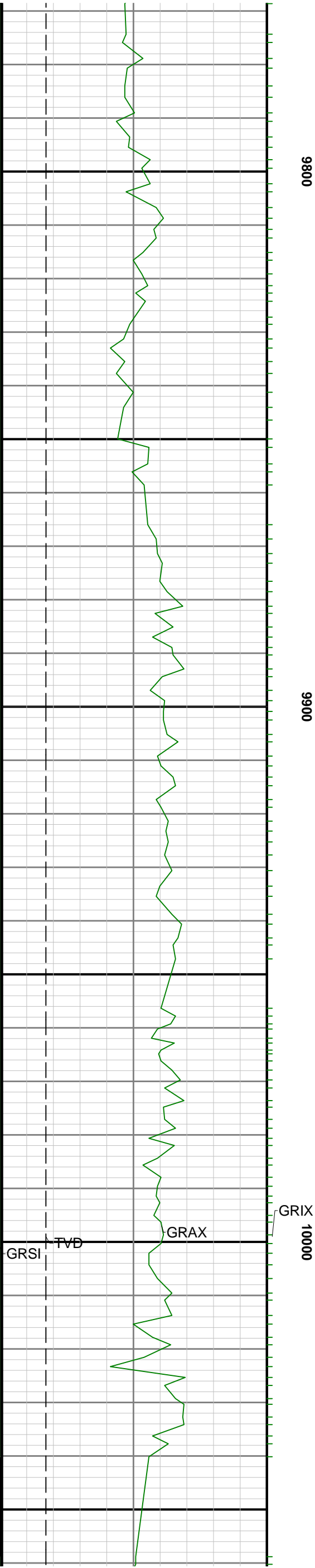


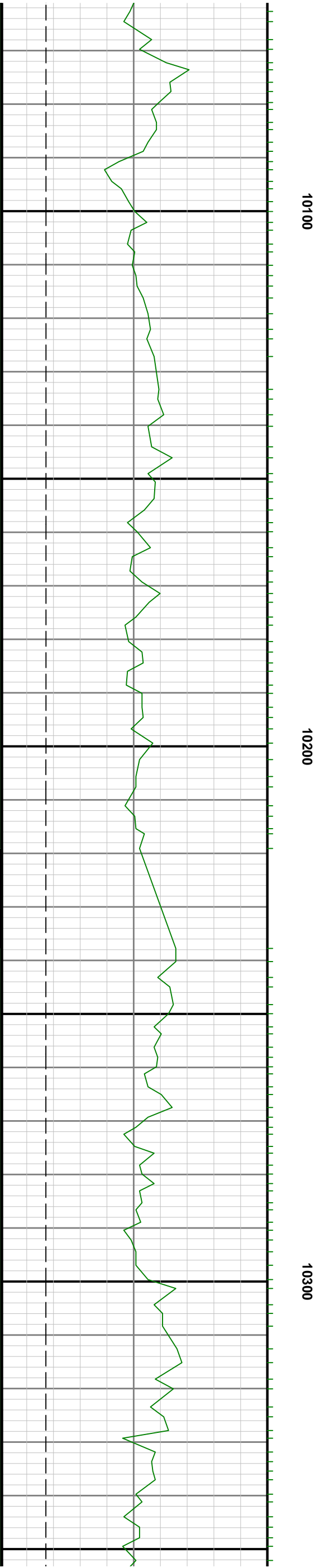
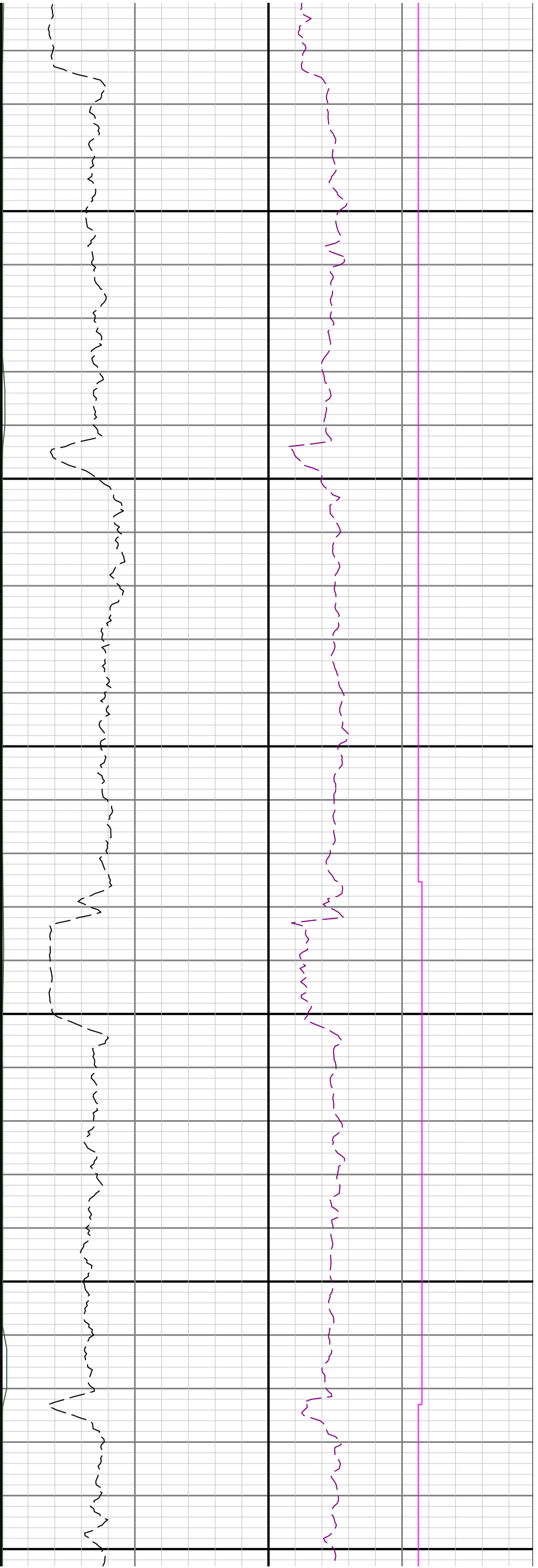


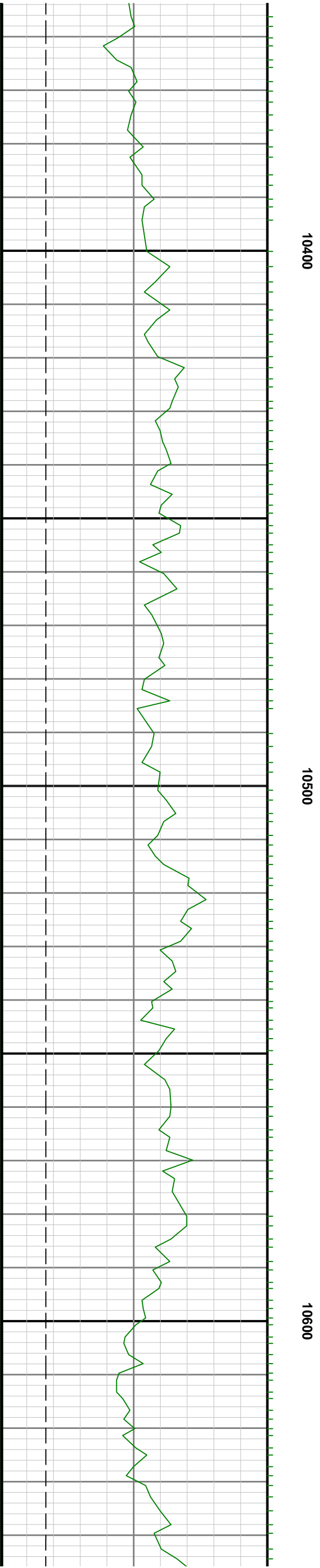
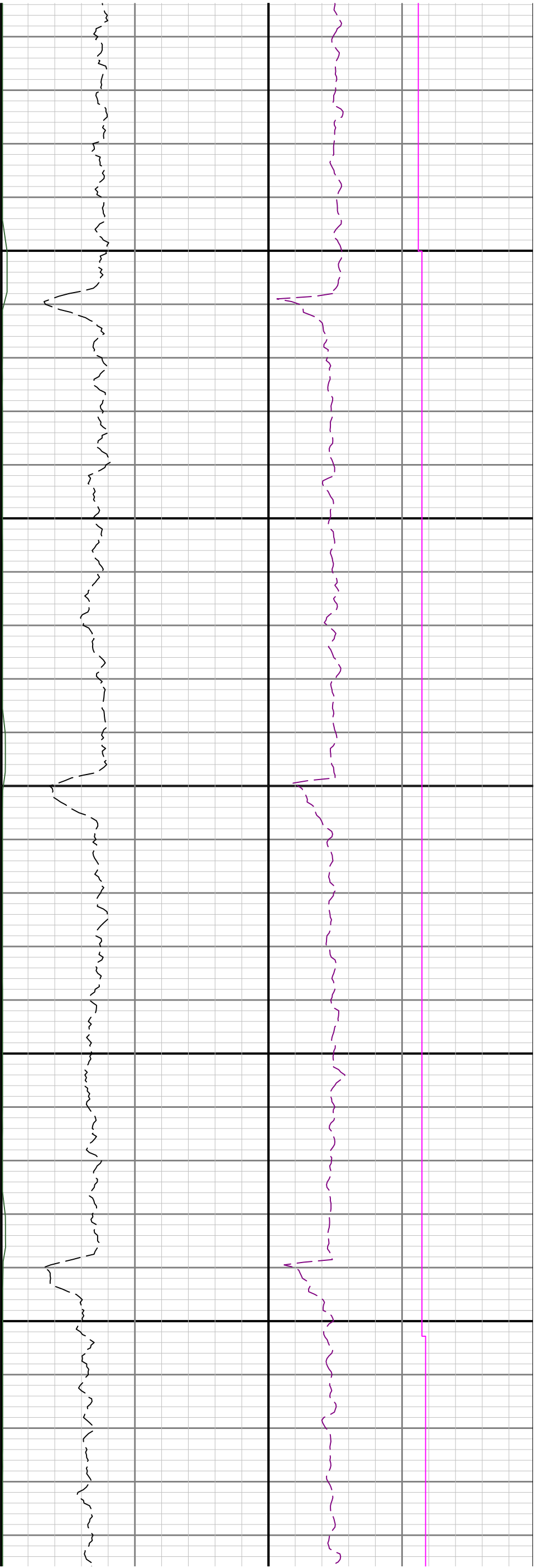


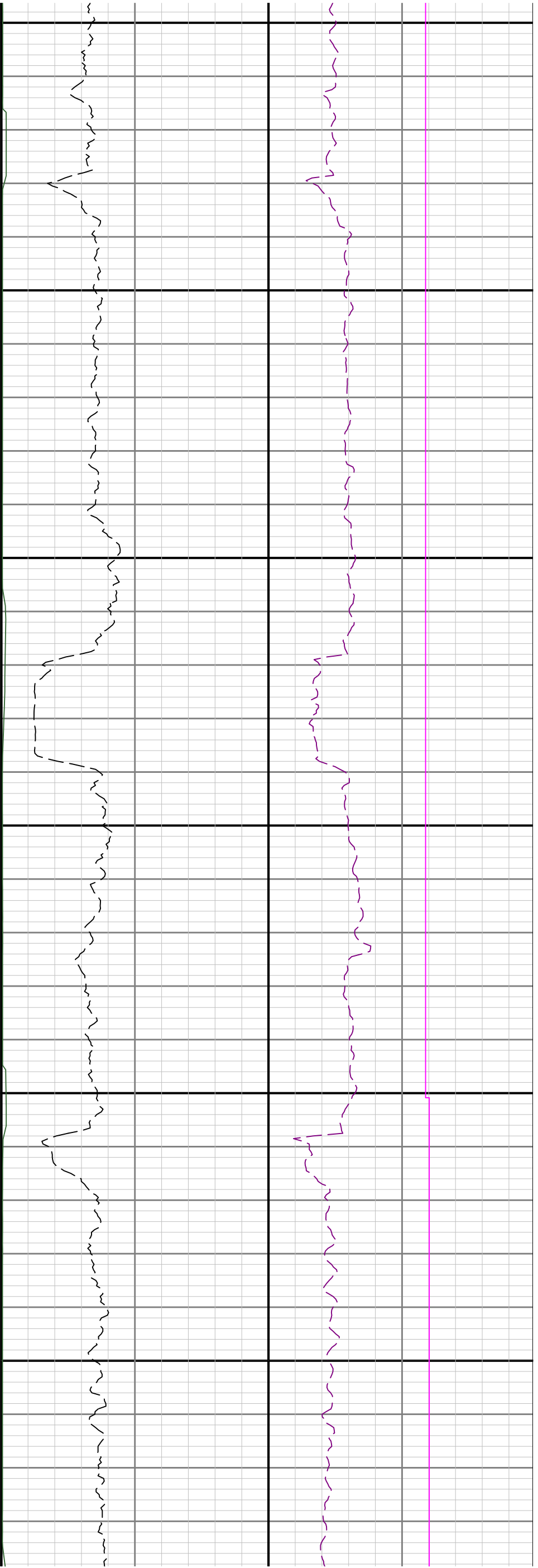








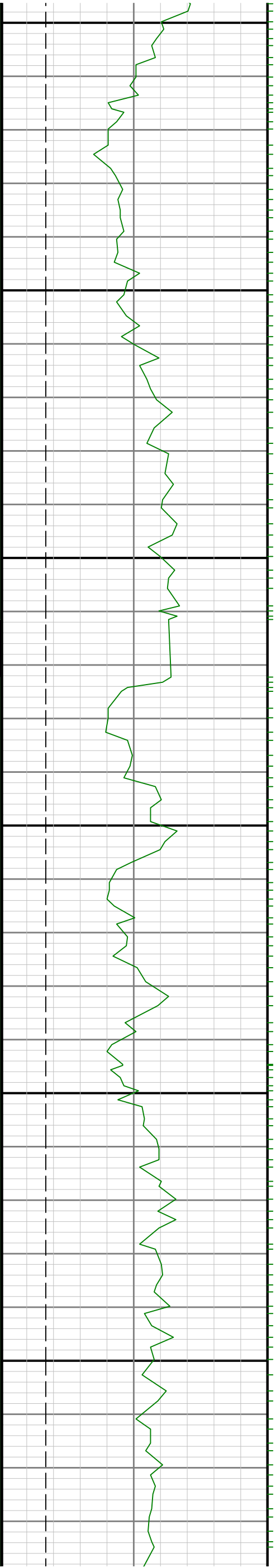
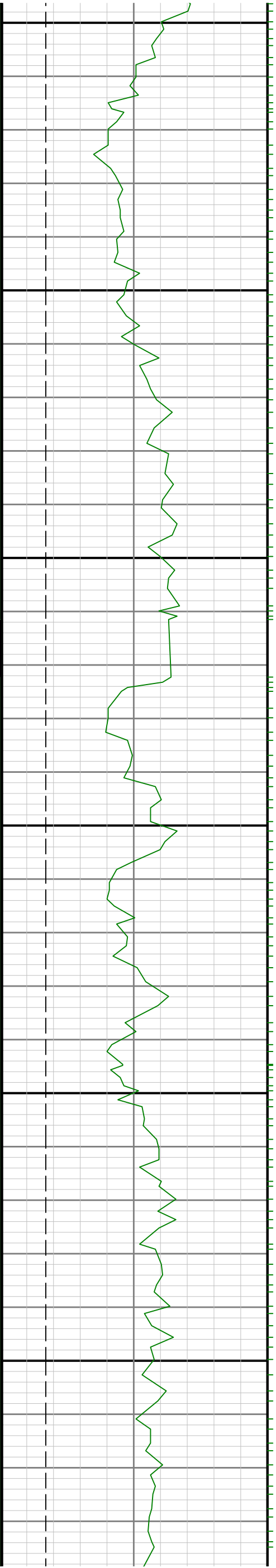


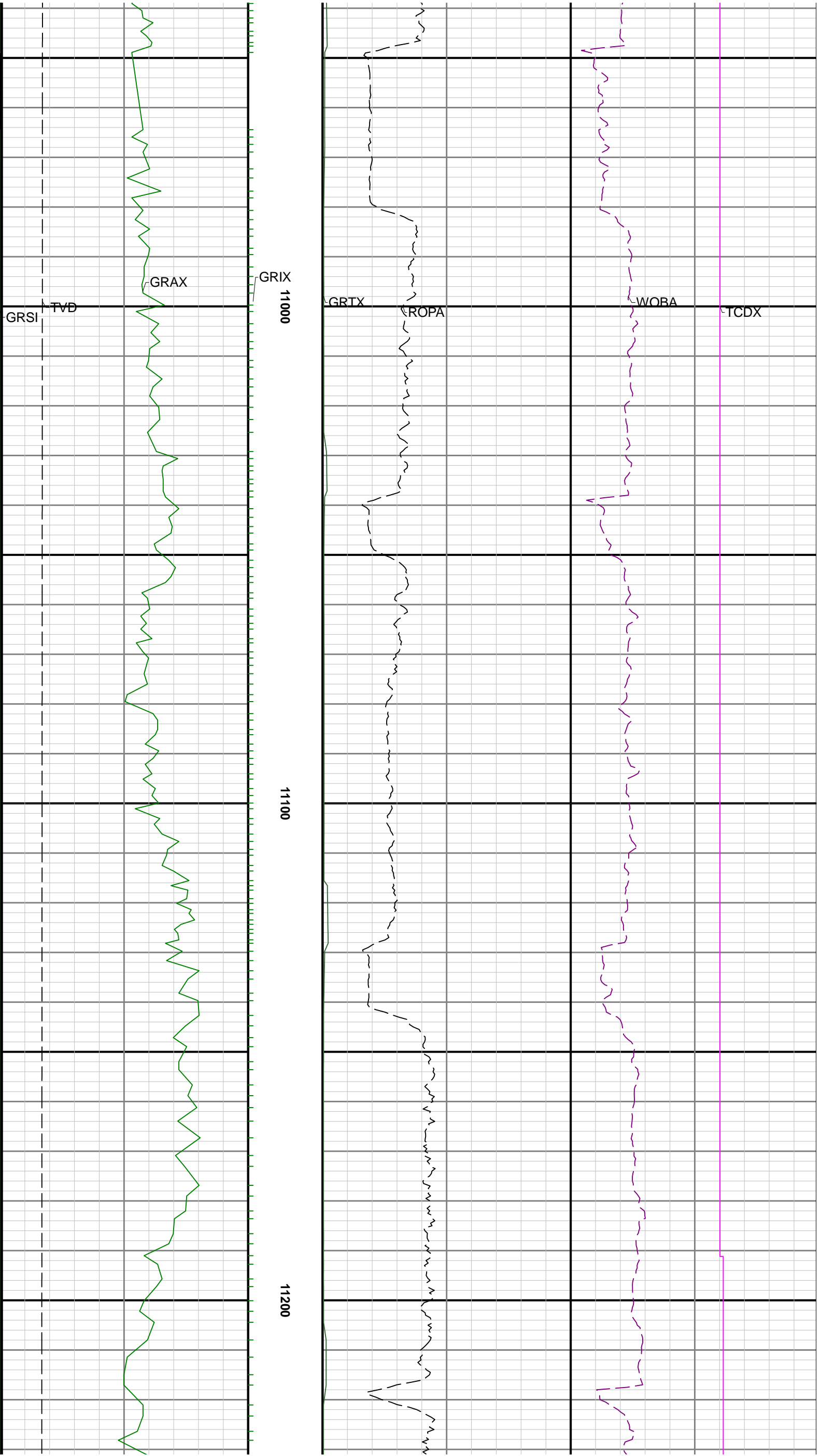


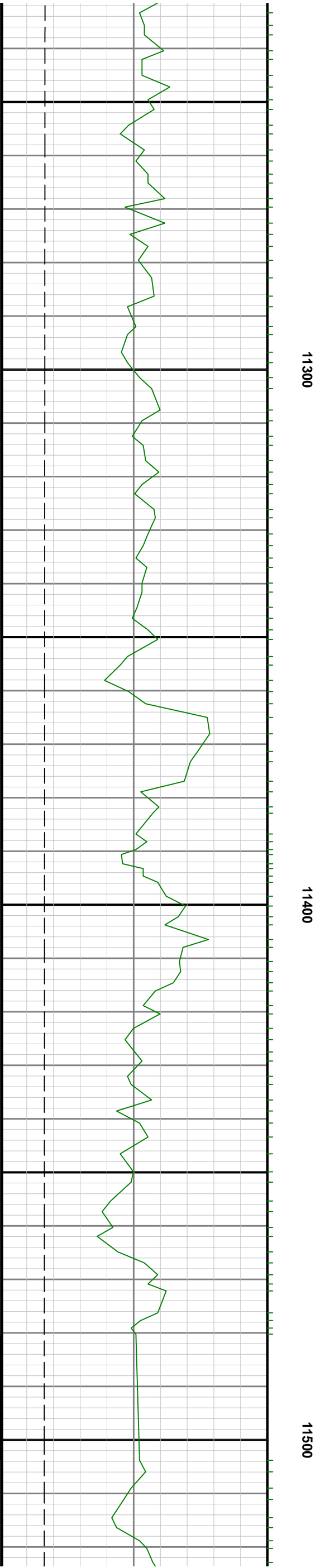
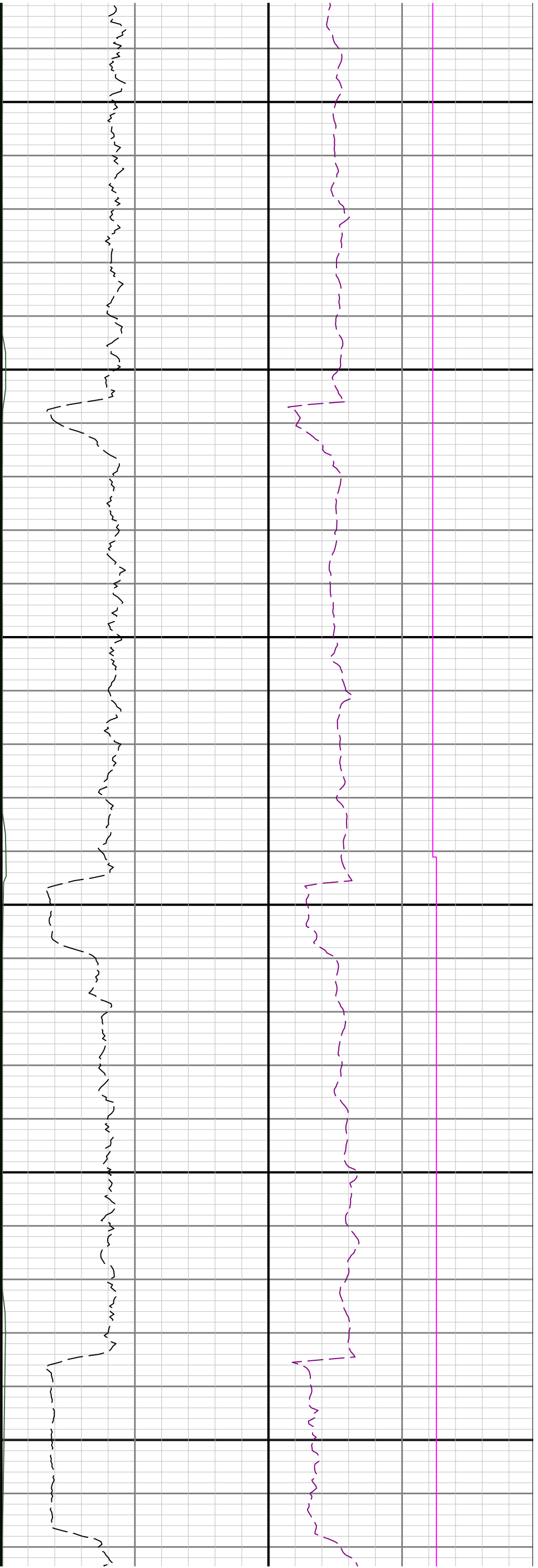
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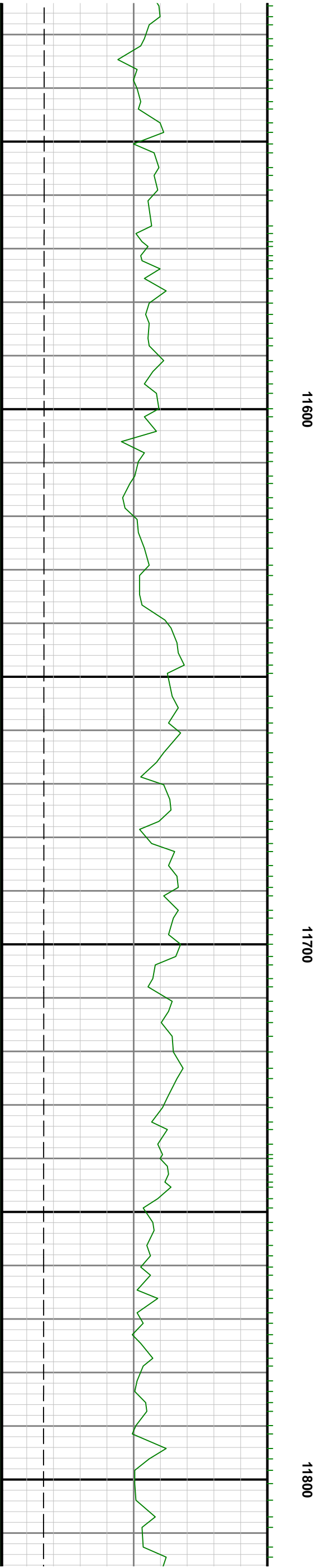
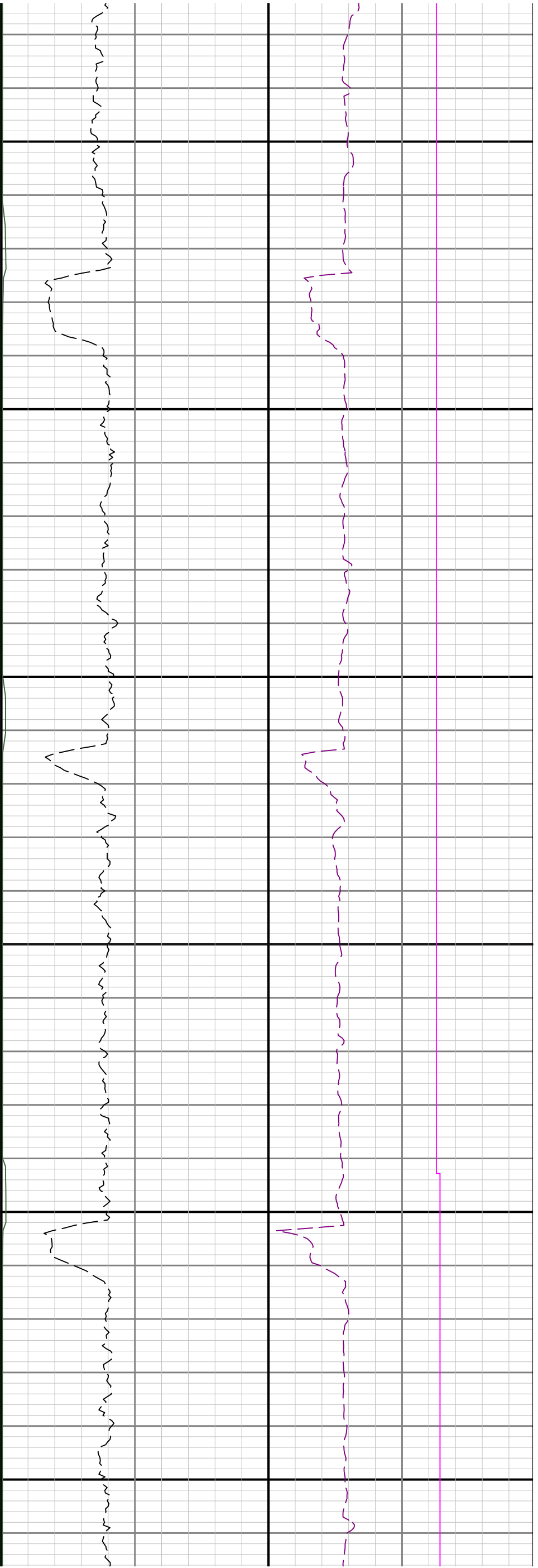
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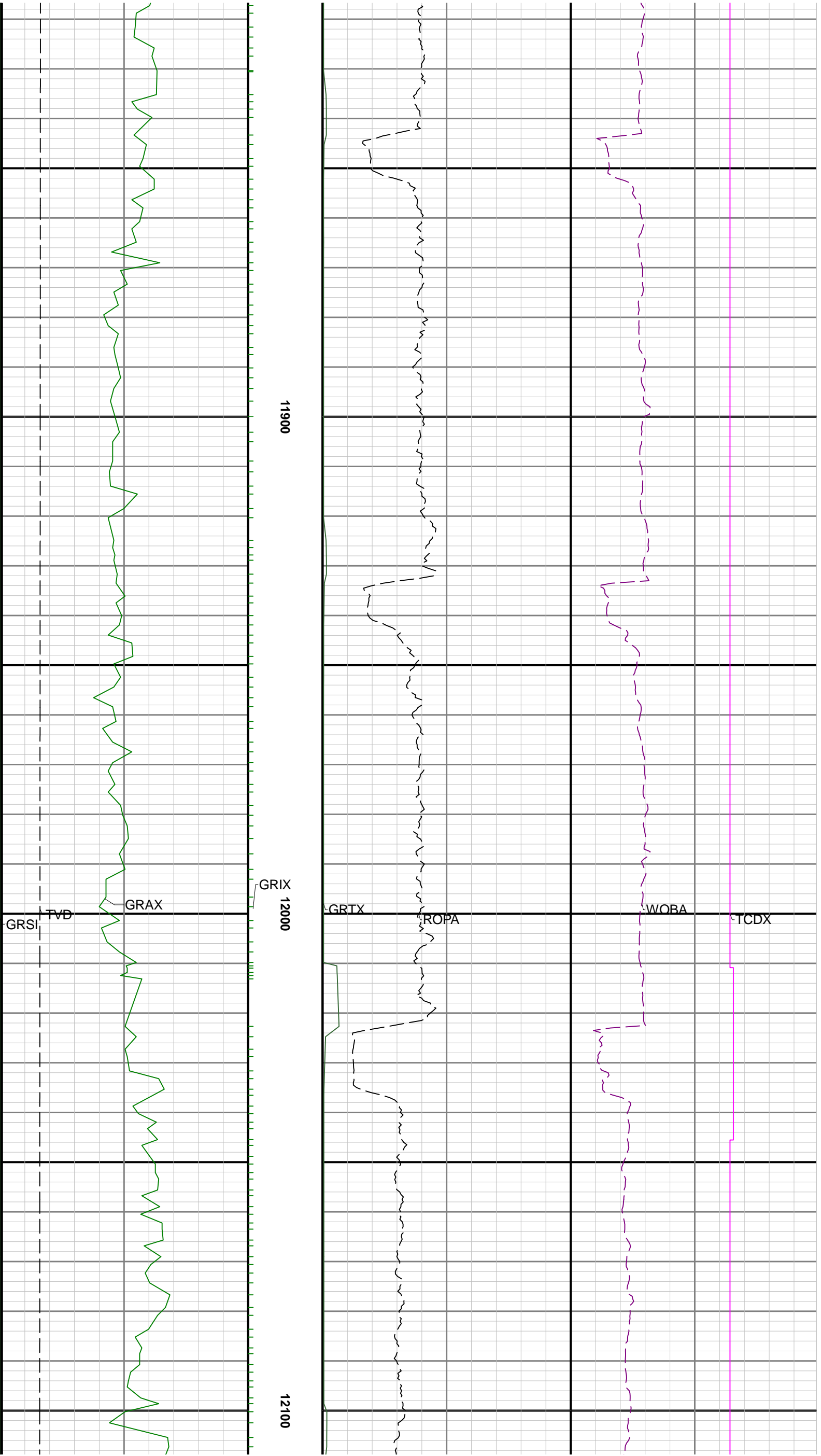
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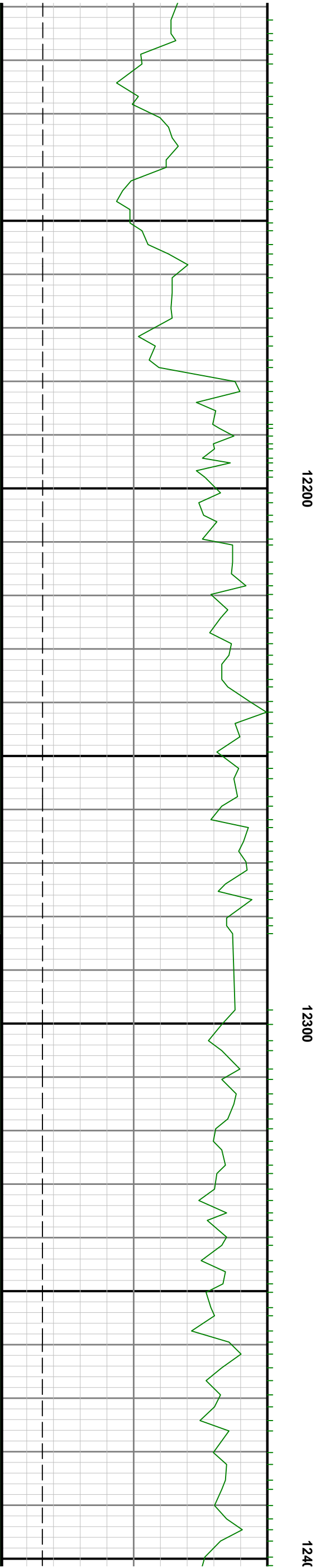
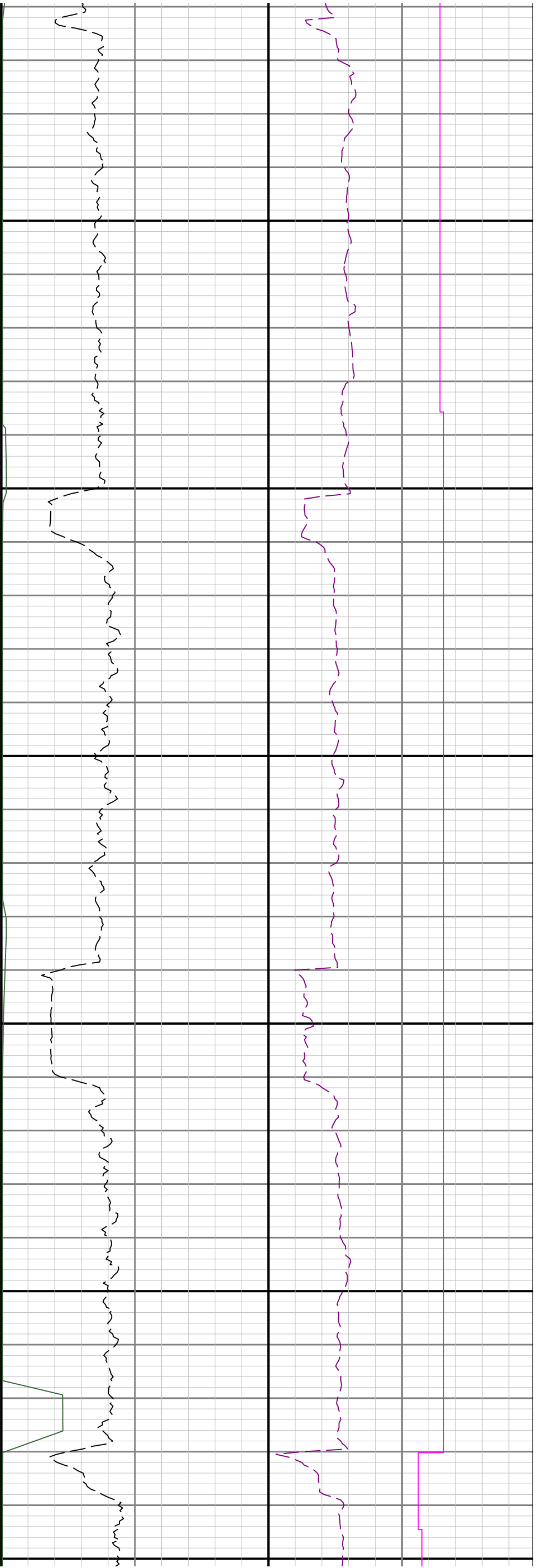


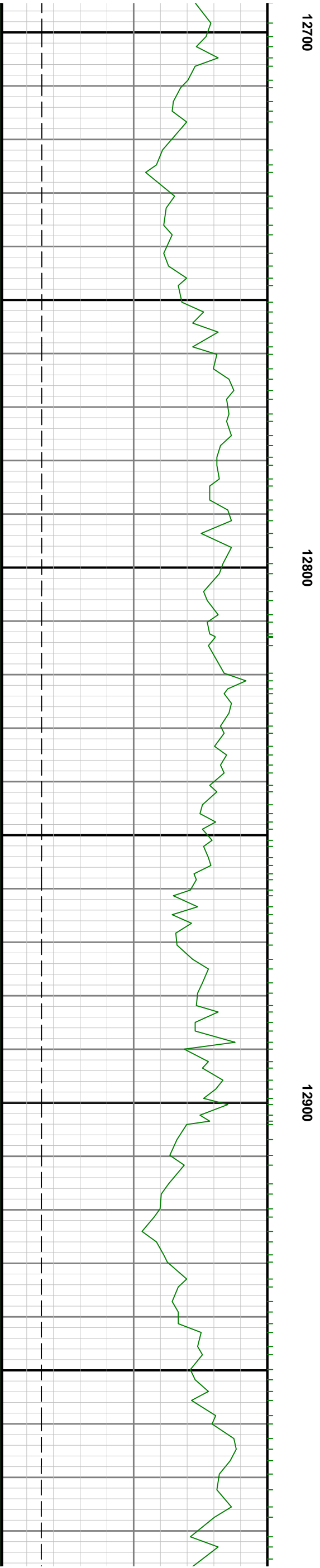
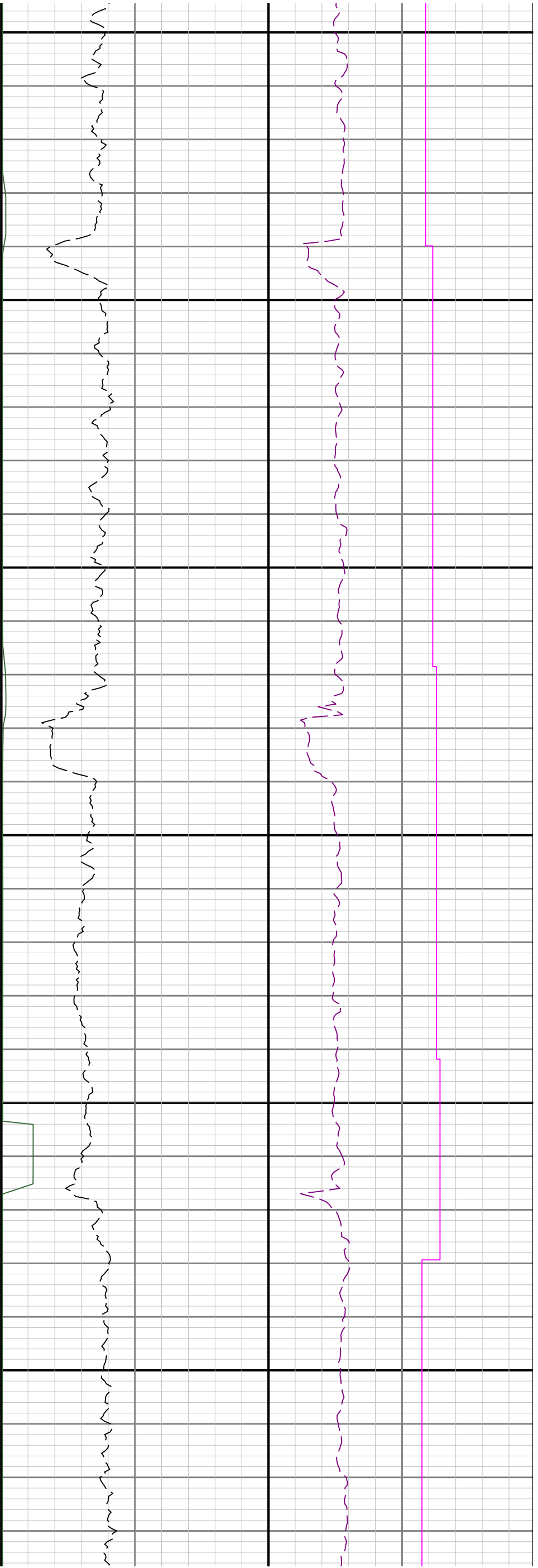


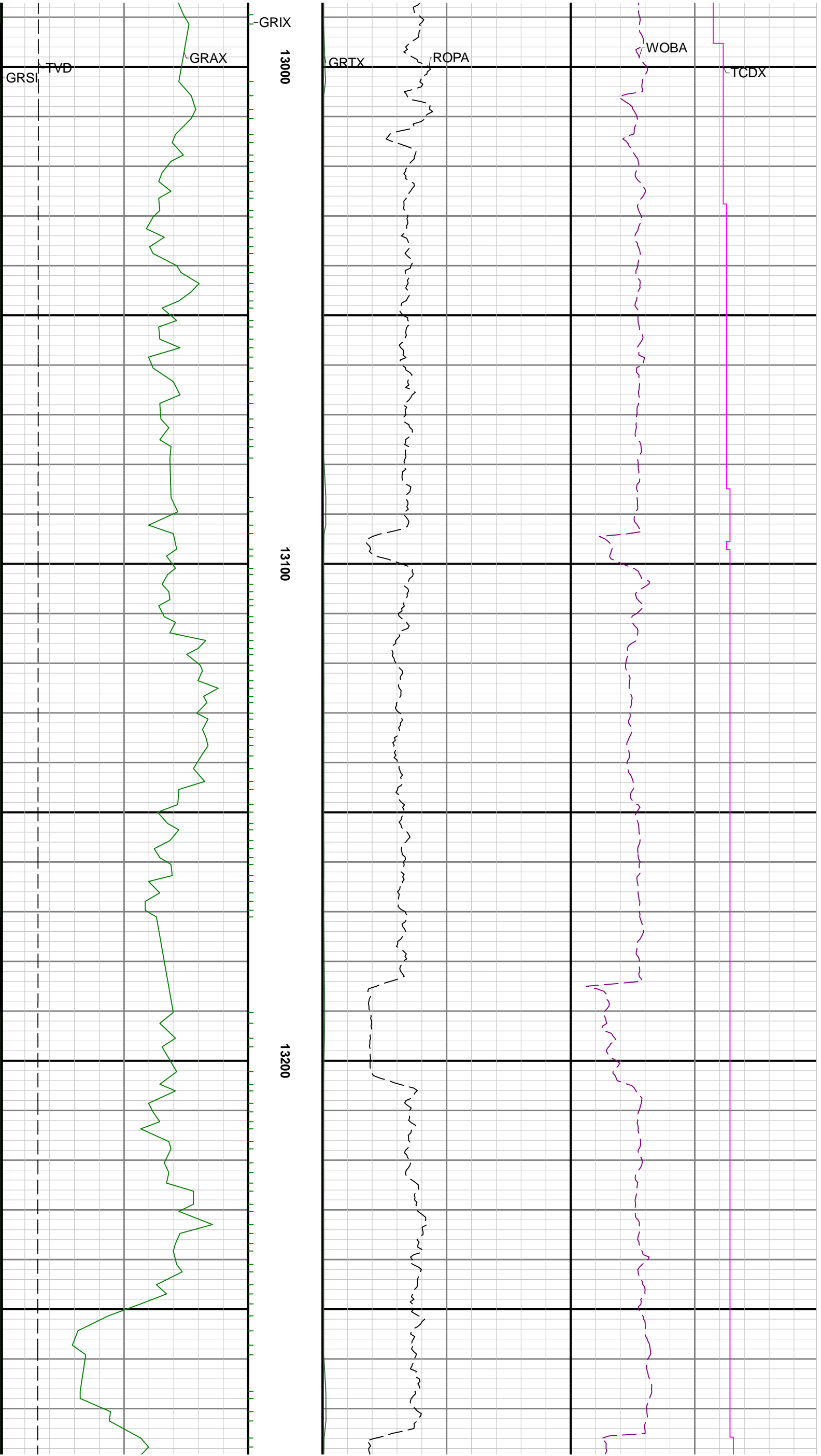


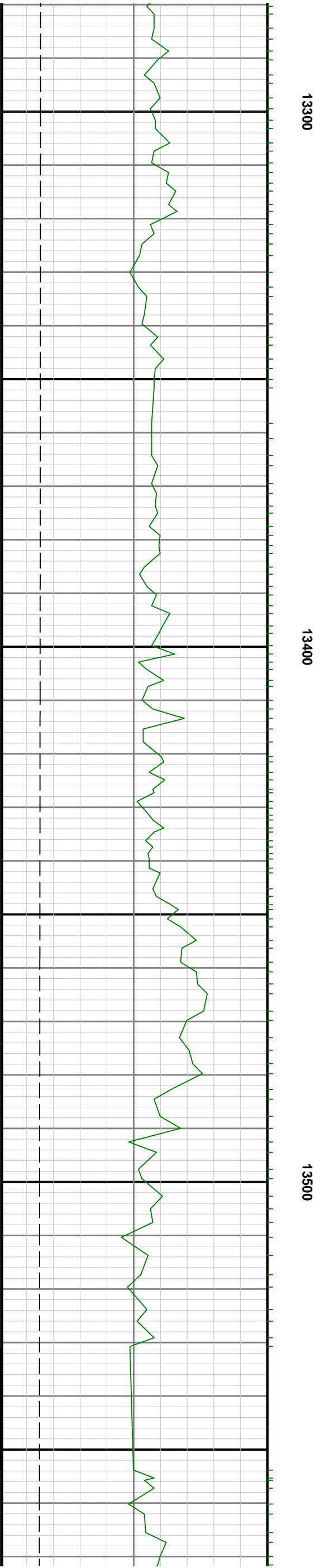
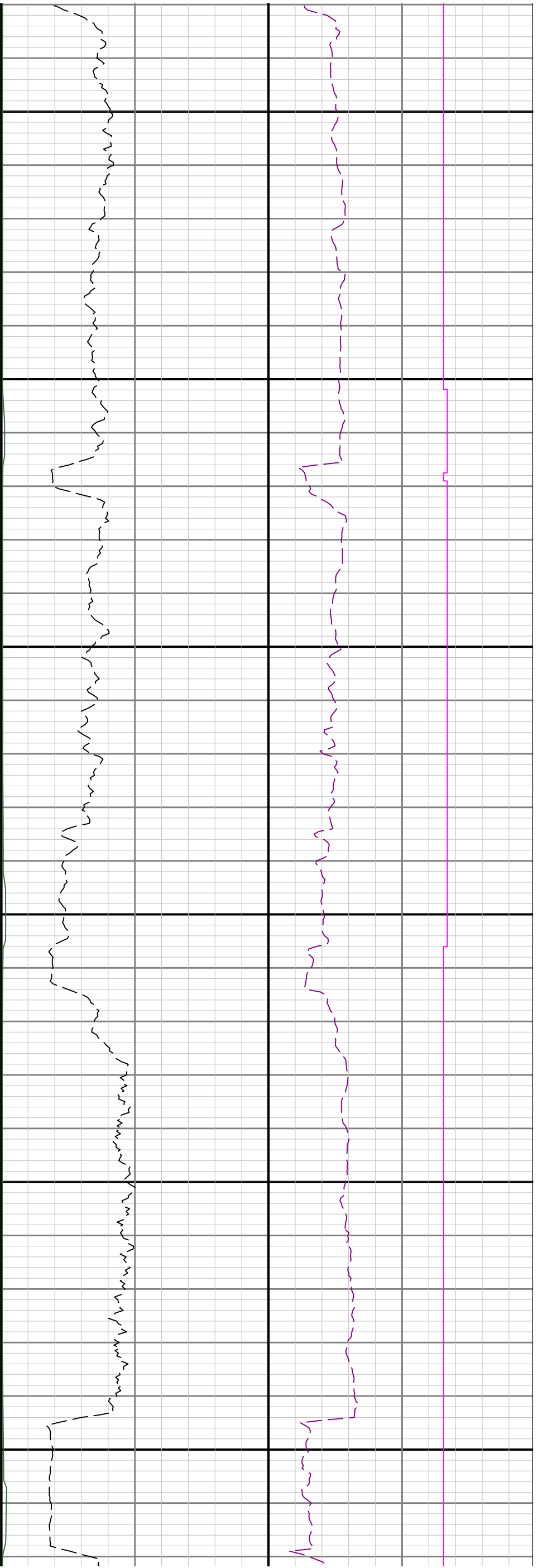


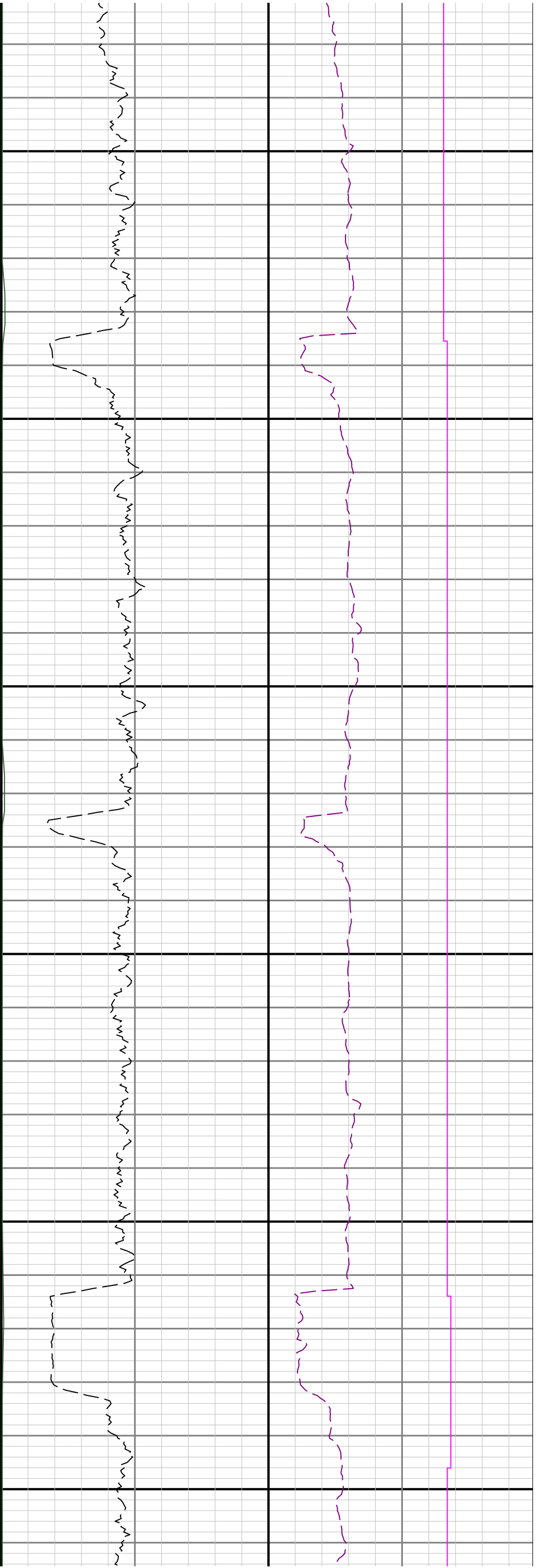








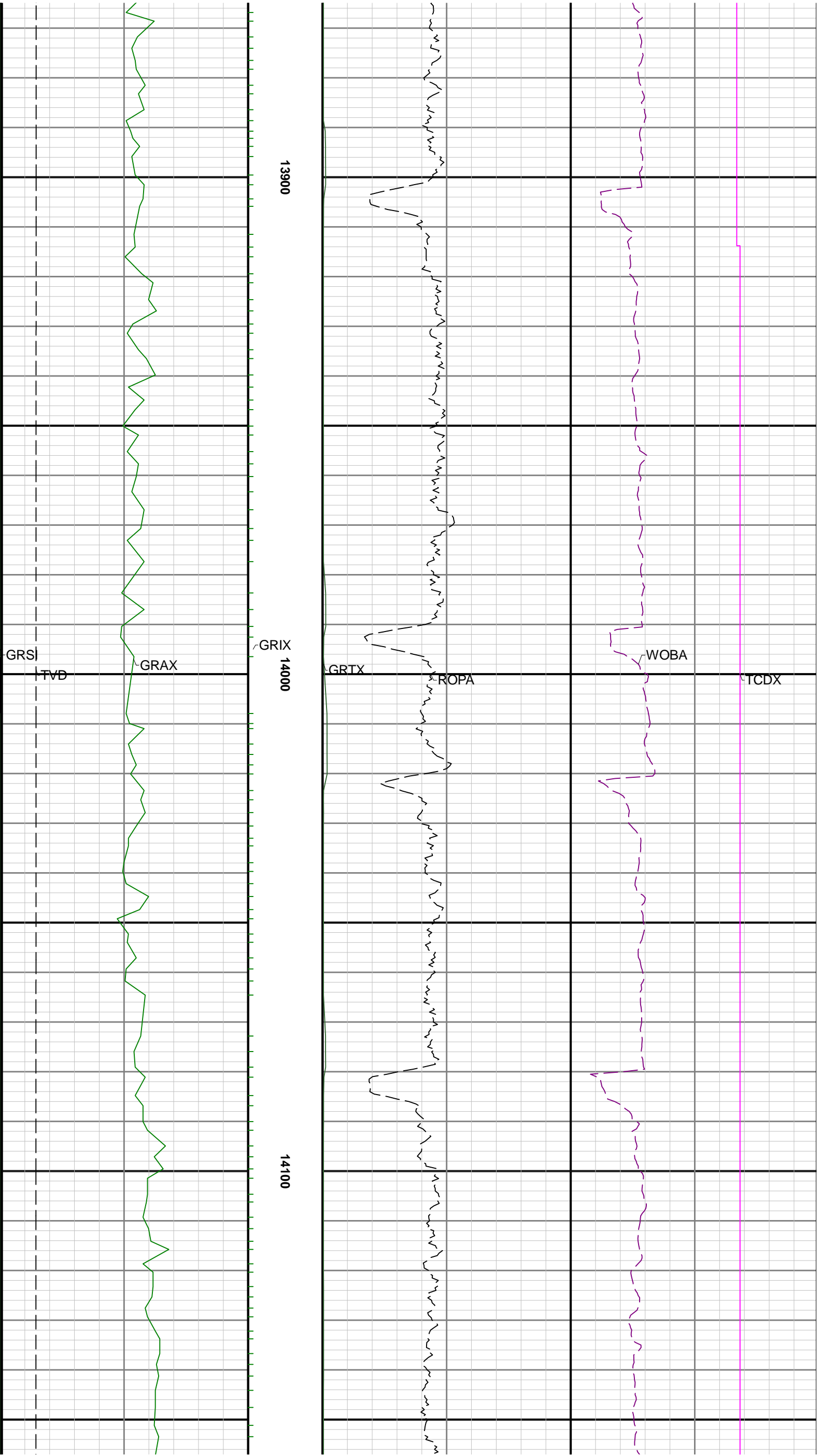


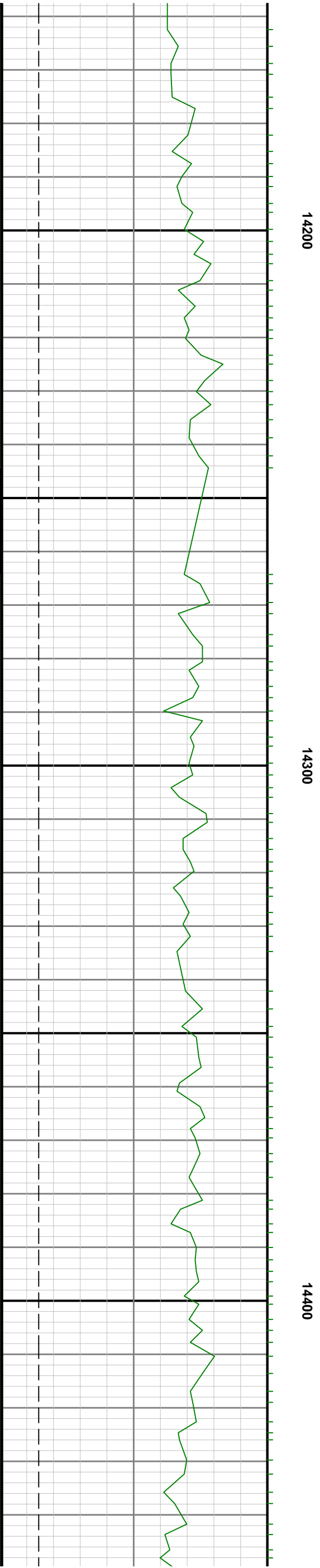
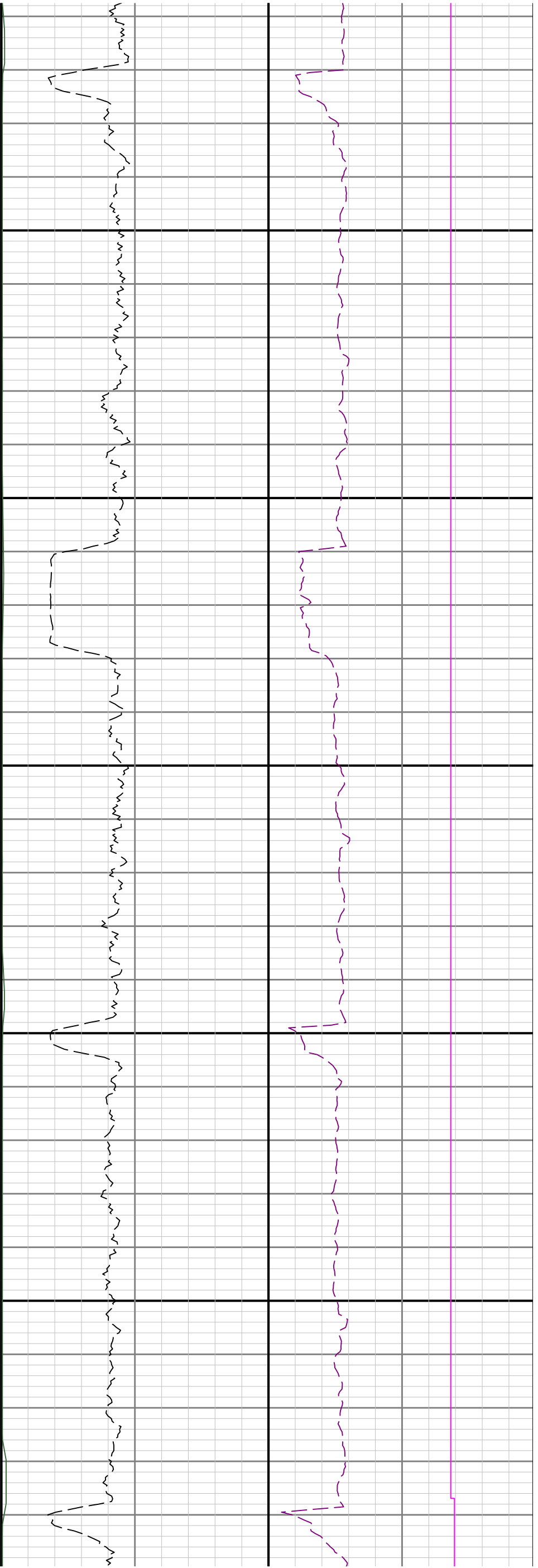


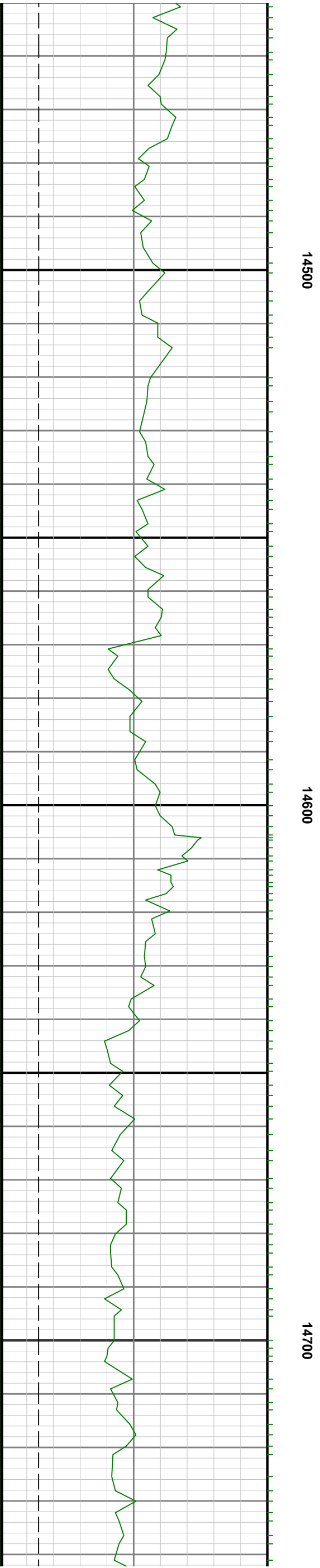
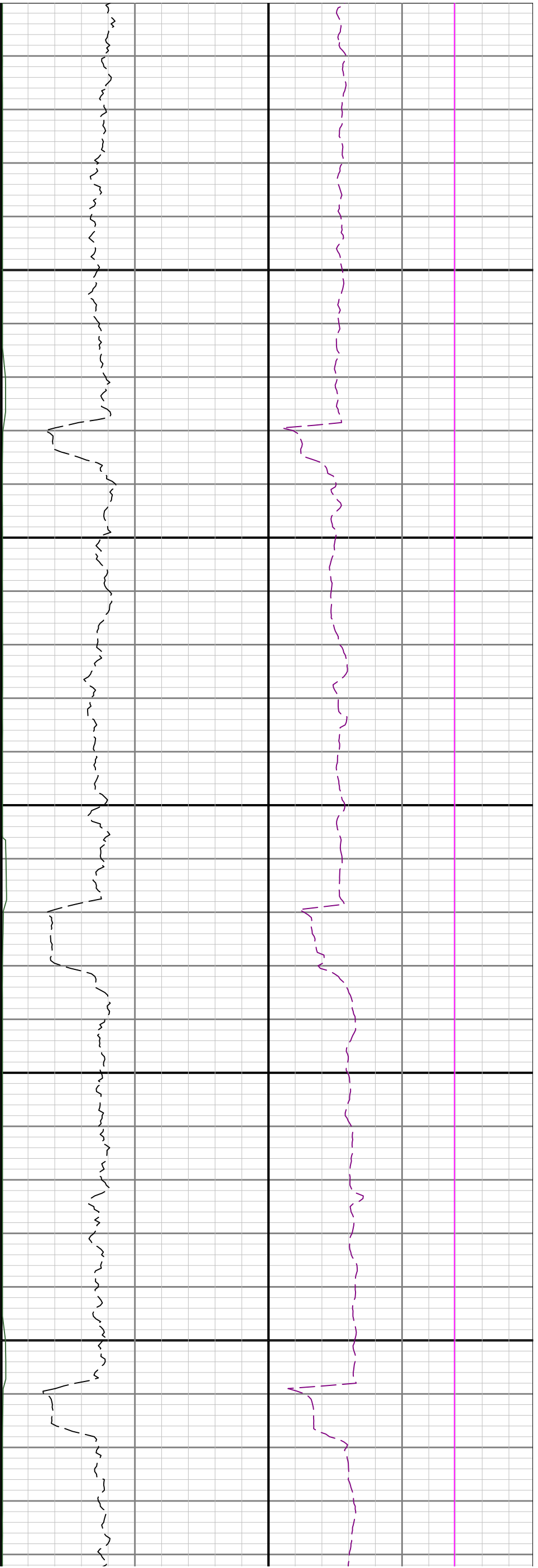
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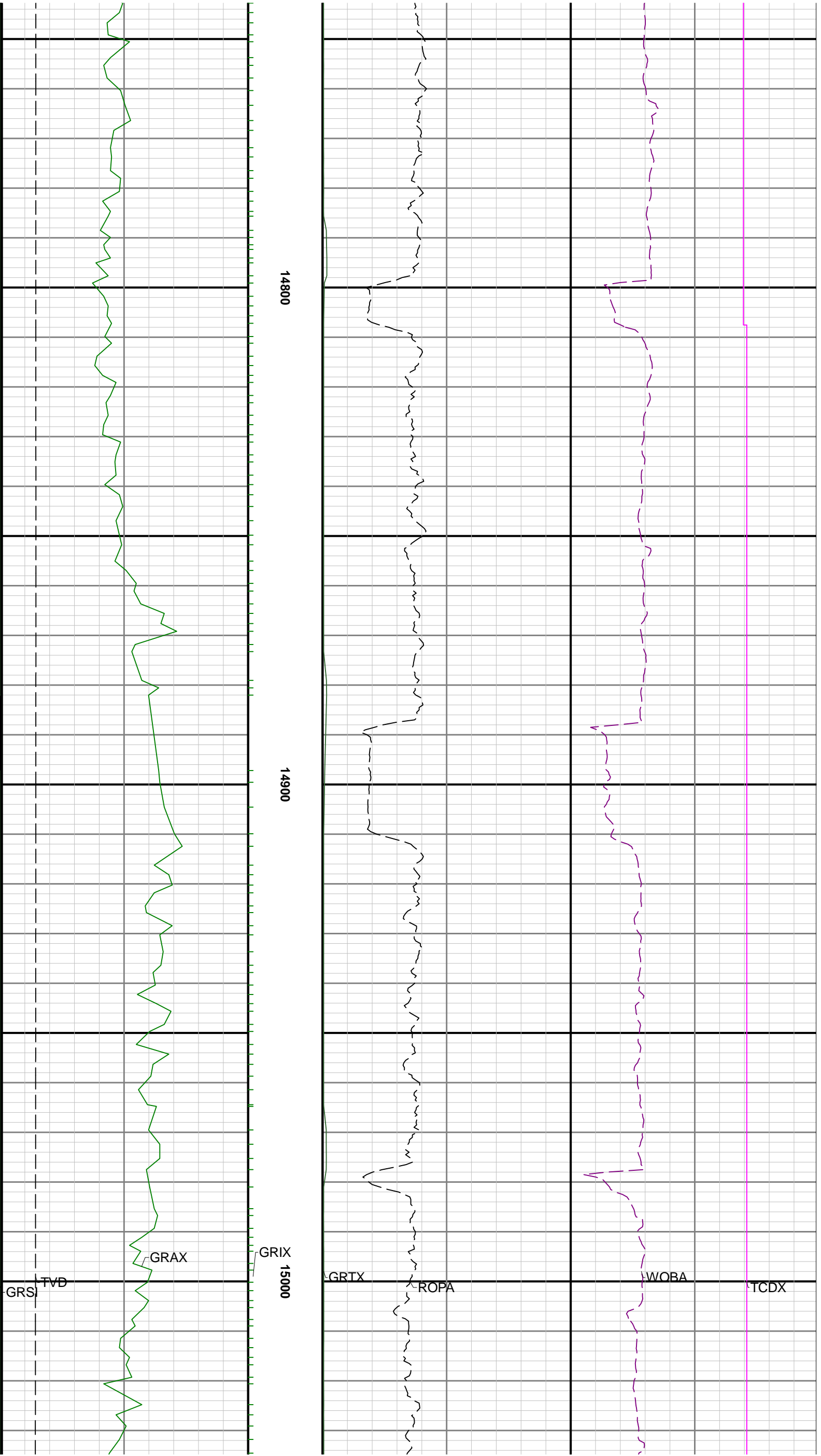
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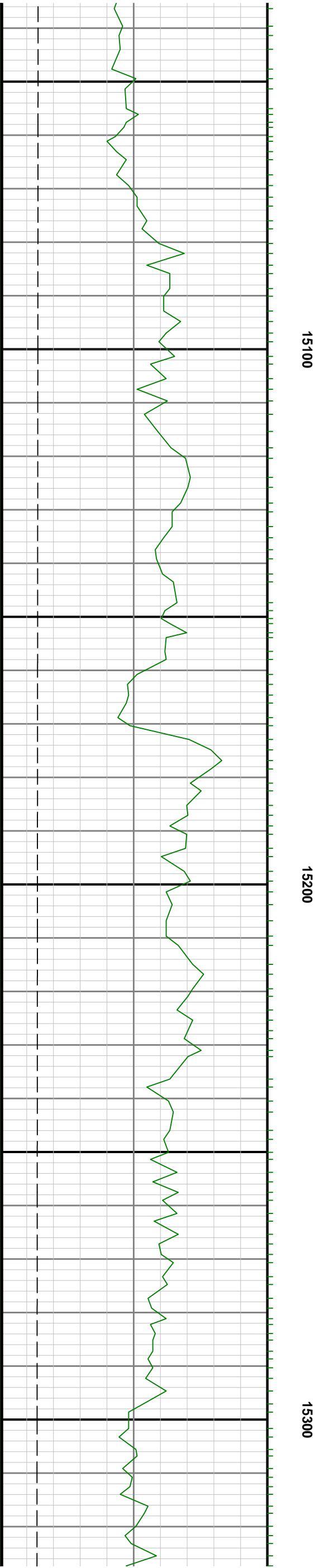
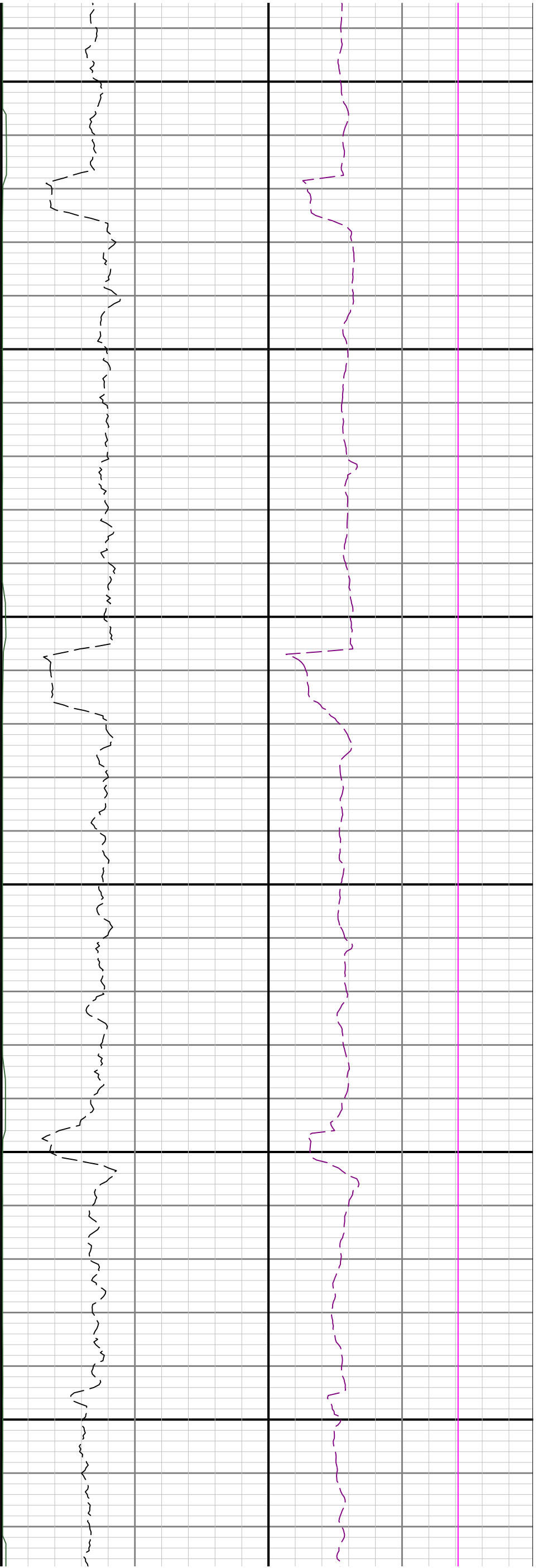
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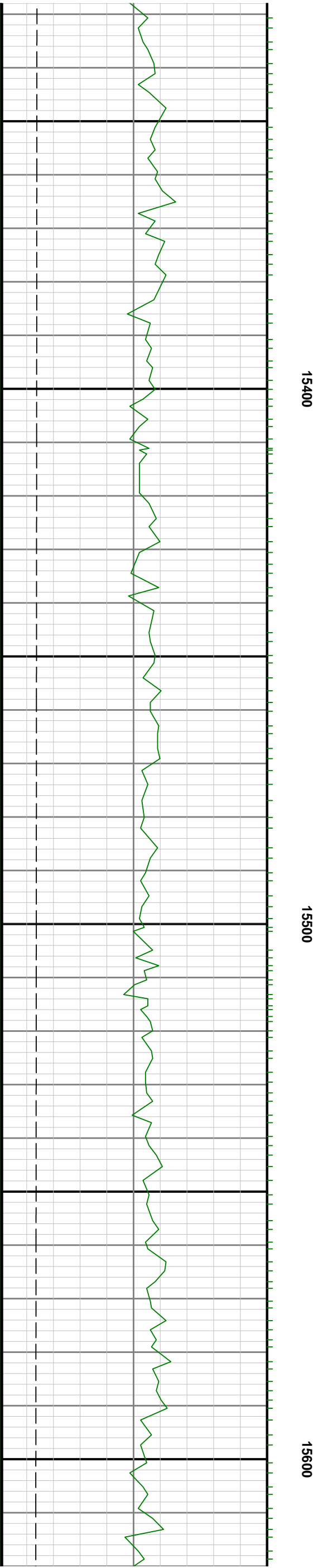
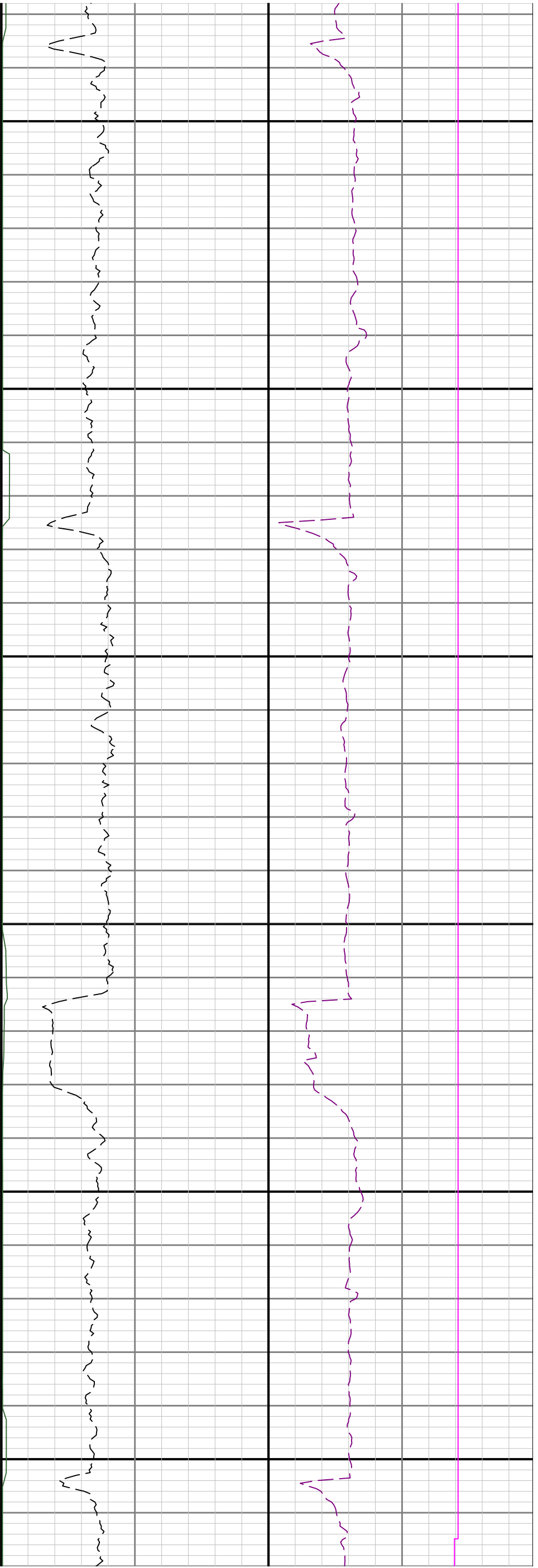


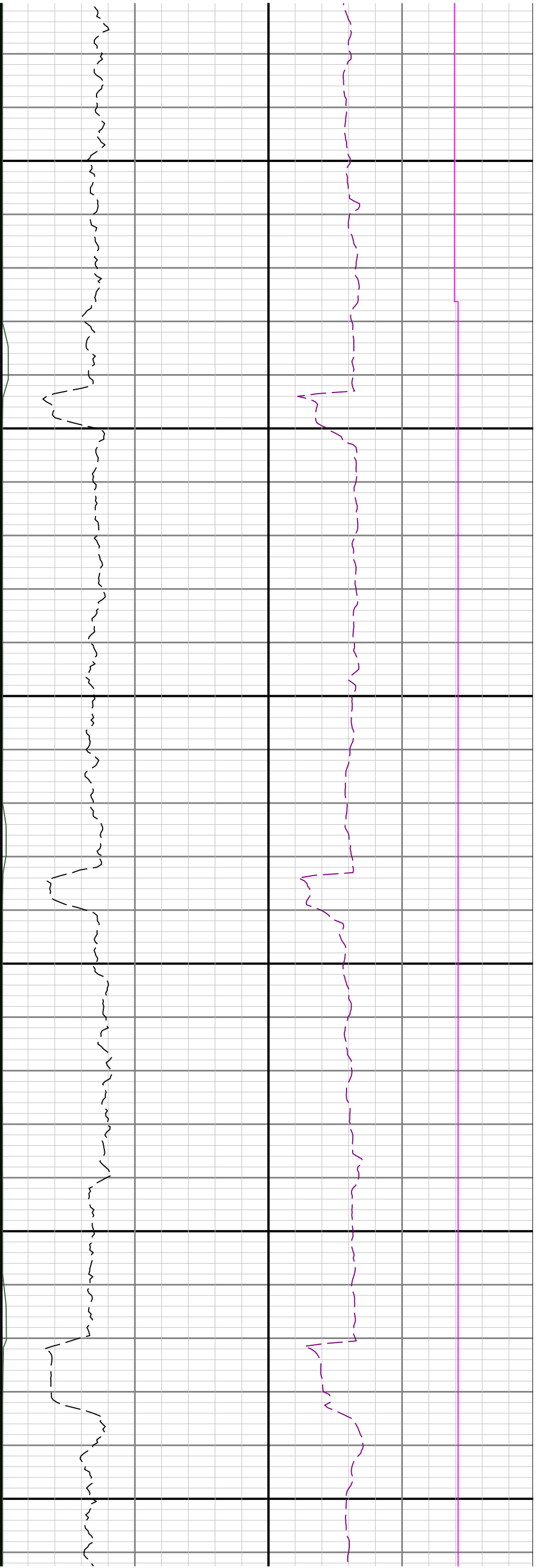












15700

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