




LWD REALTIME/MEMORY COMPOSITE LOG

<div><div>BAKER HUGHES</div><div>a GE company</div></div> <div></div>		Gamma Ray	
Scale:	Company: Noble Energy		
1:240		Well: Wells Ranch State AA36-683	
True Vertical Depth		Field: Wattenberg	
Depth Reference:	County:	Weld	Country: United States
Driller's Depth		State: Colorado	
Status:	Surface Location:		Other Services:
Final Print		Latitude:	040° 26' 42.468" N
		Longitude:	104° 21' 13.428" W
API No:	05-123-48163-00		
Job ID:	109764758	SEC:	32 TWN: 6N RGE: 62W
Permanent Datum (P.D.):		Ground Level	Elevation: 4732.00 ft
Log Measured From:		Rig Floor	Above P.D.: 30.00 ft
			Elev. KB: N/A
			Elev. DF: 4762.00 ft
			Elev. GL: 4732.00 ft
Dates		Magnetic Field Reference	
From: 2019-05-10	Drilled (ft)	Logged (ft)	Azi Reference North:
To: 2019-05-13	Top: 1941.00	Top: 1941.00	Grid Dip Angle: (deg)
Spud: 2019-04-27	Bottom: 17177.00	Bottom: 17164.00	Total Magnetic Field Strength: (nT)
		Mag to Reference North Correction: (deg)	
Borehole Record		Casing Record	
Hole Size (in)	From (ft)	To (ft)	Size (in)
13.500	30.00	1941.00	9.625
8.500	1941.00	17177.00	36.00
			30.00
			1931.00
Mud Record			
Type	From (ft)	To (ft)	Hole Size (in)
Oil Based Mud	1941.00	17177.00	8.500
			15236.00
			0.92 56.41
			89.69 267.03
Deviation Record			
Acquisition System			
Software Version		Other	
Cadence	RT 5.2	Rig:	H&P 517
Pilot Studio	5.2.8472.1	Contractor:	Helmerich & Payne Drilling Co
		District:	RMA
			Unit: D&E

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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 (ft)	Bottom (ft)	From (ft)	To (ft)	Start Logging	End Logging	
1	1	8.500	PDC	3.00	Rotary Steerable	1941.00	12138.00	1941.00	12151.00	2019-05-10 17:30	2019-05-12 08:45	35.49
2	2	8.500	PDC	3.00	Rotary Steerable	12138.00	17164.00	12151.00	17177.00	2019-05-13 22:20	2019-05-13 20:00	20.97

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
Adam Schlenz	2019-05-10	2019-05-14						

Mud Properties Record

Date / Time	Run No.	Depth (ft)	Mud Type	Density (ppg)	Viscosity (cP)	pH	Fluid Loss (cm3)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
2019-05-10 13:30	1	1941.00	Oil Based Mud	9.4	14	N/A	20.0	68/20	Active Pit	25267	0.00
2019-05-11 02:00	1	5030.00	Oil Based Mud	9.2	18	N/A	18.0	67.5/22	Active Pit	27992	0.00
2019-05-11 13:00	1	7836.00	Oil Based Mud	9.5	15	N/A	18.0	69/19.5	Active Pit	26239	0.00
2019-05-12 02:00	1	10833.00	Oil Based Mud	9.4	15	N/A	20.0	67.5/20.5	Active Pit	27211	0.00
2019-05-12 14:00	2	12155.00	Oil Based Mud	9.5	15	N/A	19.0	66.5/21	Active Pit	27211	0.00
2019-05-13 02:00	2	12989.00	Oil Based Mud	9.5	15	N/A	16.0	67/20.5	Active Pit	27992	0.00
2019-05-13 13:30	2	15862.00	Oil Based Mud	9.5	14	N/A	15.0	67/20.5	Active Pit	27211	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	AutoTrak Curve Steering Unit	14614039	Near Bit Inclination	5.93	6.73	7.000	4.330
1	AutoTrak Curve Steering Unit	14614039	Near Bit VSS	5.93	6.73	7.000	4.330
1	AutoTrak Curve MWD	14205167	Gamma (single)	2.75	12.90	7.000	3.250
1	AutoTrak Curve MWD	14205167	Directional (mag)	12.27	22.42	7.000	3.250
2	AutoTrak Curve Steering Unit	14236903	Near Bit Inclination	5.93	6.73	7.000	4.330
2	AutoTrak Curve Steering Unit	14236903	Near Bit VSS	5.93	6.73	7.000	4.330
2	AutoTrak Curve MWD	12168749	Gamma (single)	2.77	12.90	7.000	3.250
2	AutoTrak Curve MWD	12168749	Directional (mag)	12.27	22.40	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC SU	AutoTrak Curve SU	Auto Trak Curve Steering Unit
ATC MWD	AutoTrak Curve MWD	Auto Trak Curve MWD
ATC LCPM	AutoTrak Curve LCPM	Auto Trak Curve LCPM

Comments

1	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, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD runs 1 and 2 utilized a 6.75 inch NaviGamma service (Directional and Gamma Ray) behind a 8.5 inch bit and rotary steerable assembly from 1941 to 17177 feet MD (1941 to 6544 feet TVD).
3	The Gamma Ray Apparent (GRAM) data is presented 0 to 300 API, per the customer's request.
4	The interval from 1941 to 12151 feet MD (1941 to 6523 feet TVD) is presented on the log as real-time data (GRAX) due to being unable to dump the memory from the rotary steerable assembly. Since the log is real-time data there is multiple gaps in gamma ray data due to drilling ahead while downlinking to the rotary steerable assembly.

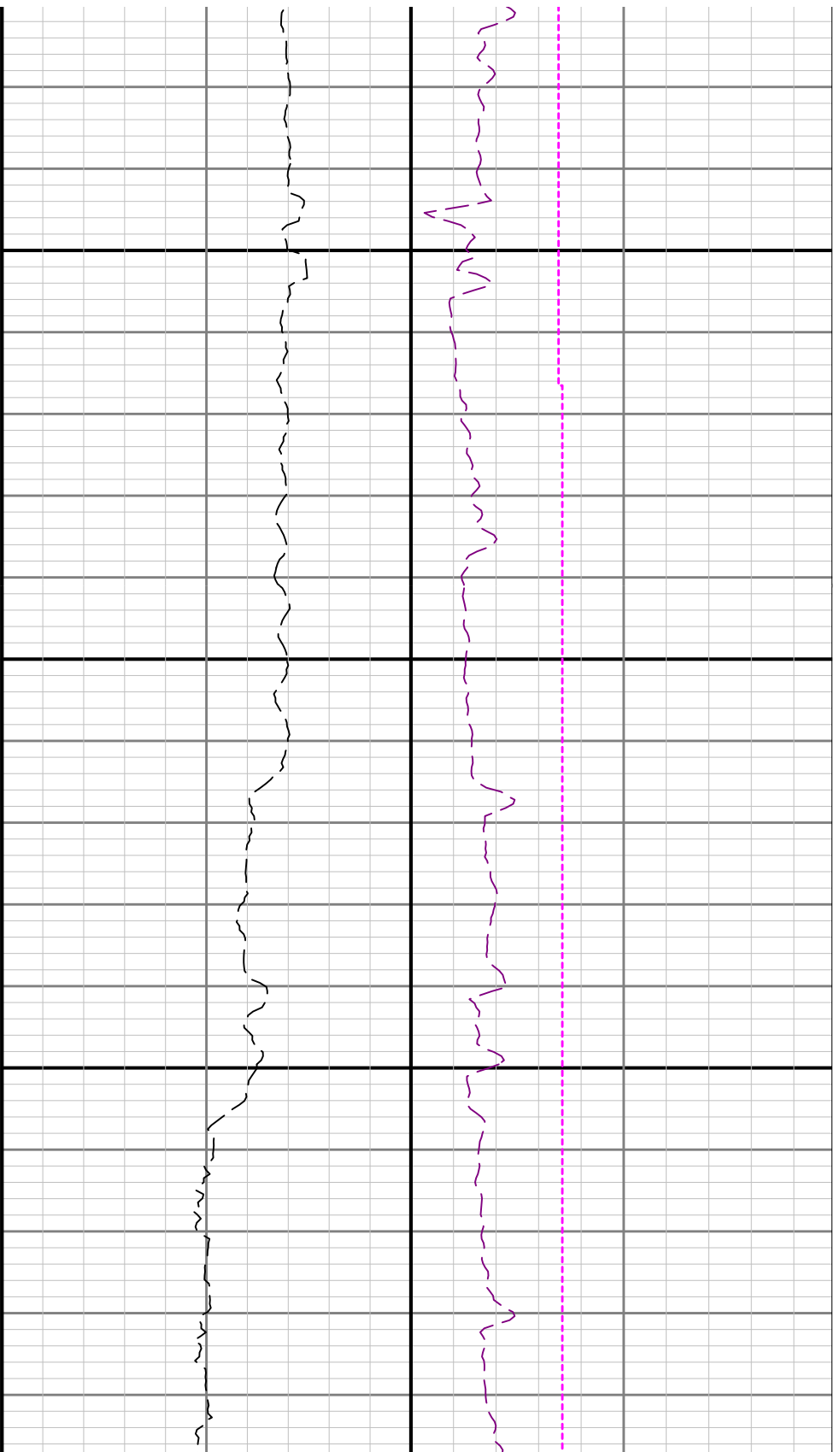
Remarks

Number	Depth (ft)	Hole Section (in)	Run No.	Remark
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Curve Mnemonics

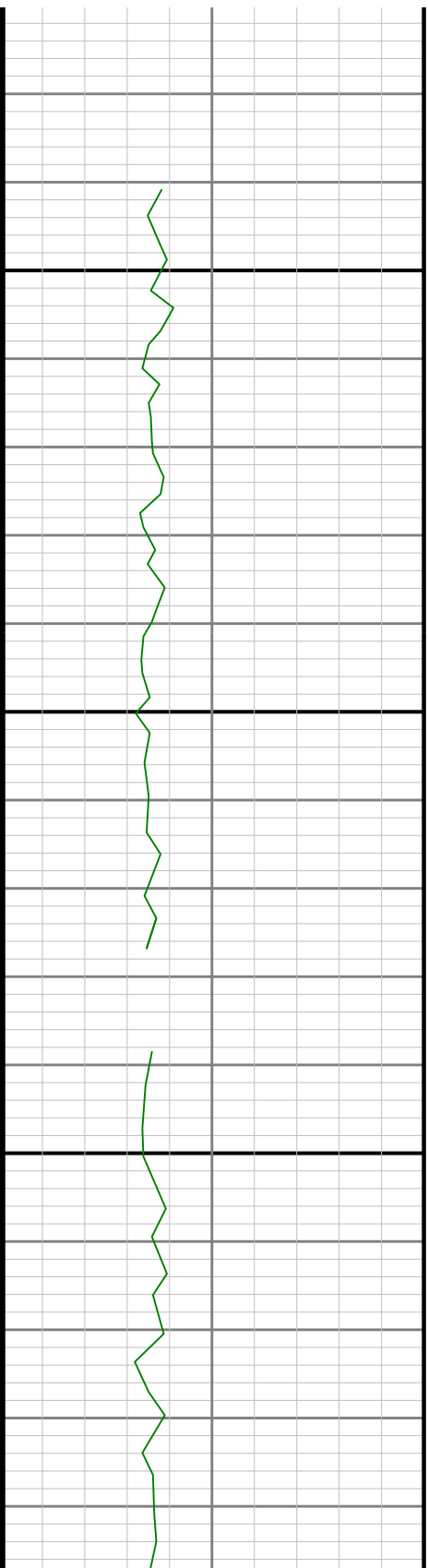
Presented Curves	Description	Units
TCDX	Downhole Temperature	degF
ROPA	Depth Averaged ROP 3 ft Average	ft/h
WOBA	Weight On Bit, Average 1 ft Average	klb

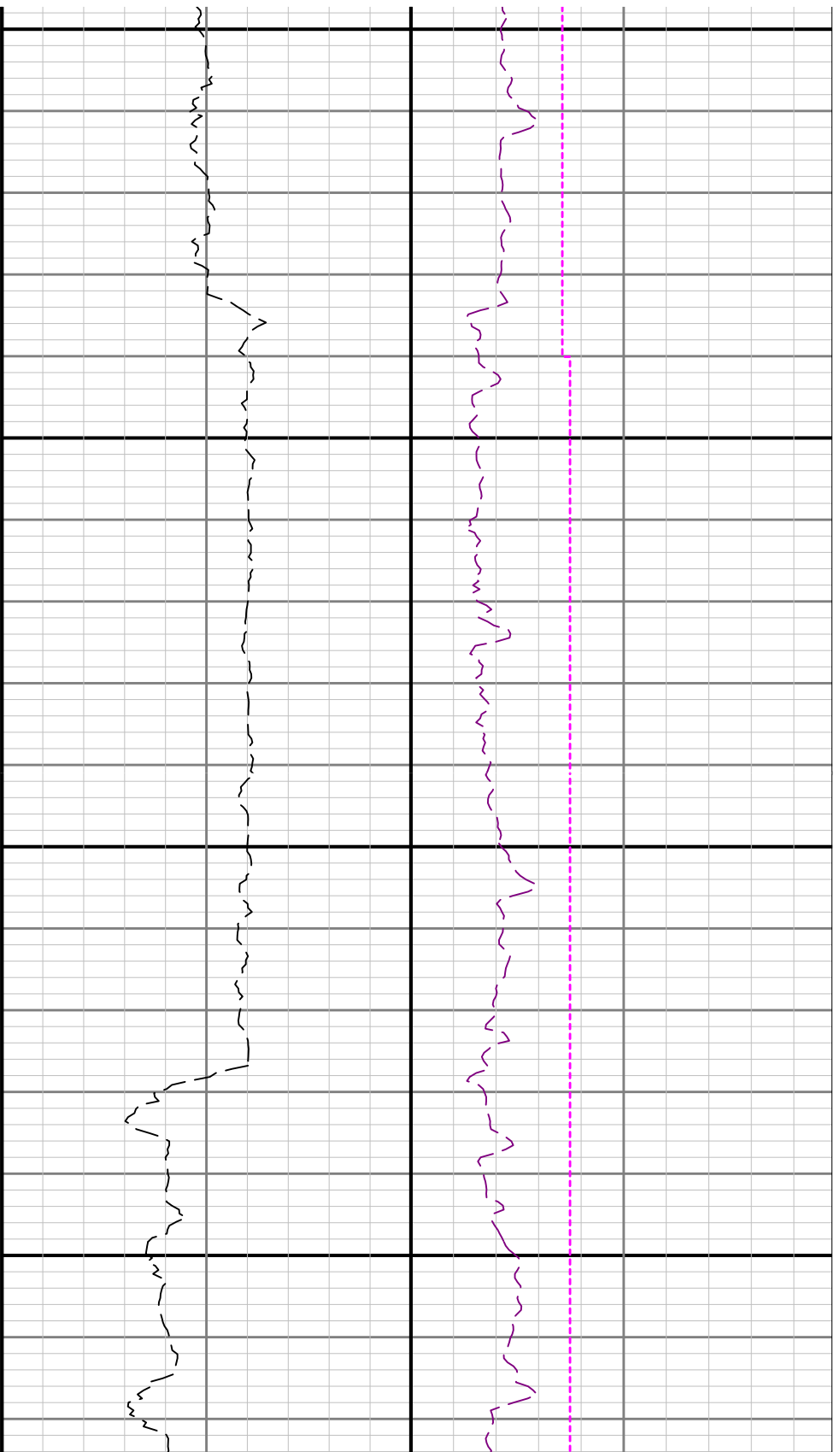
GRAX	Gamma Ray - Apparent - Real-Time 0.5 ft Average	API
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2100

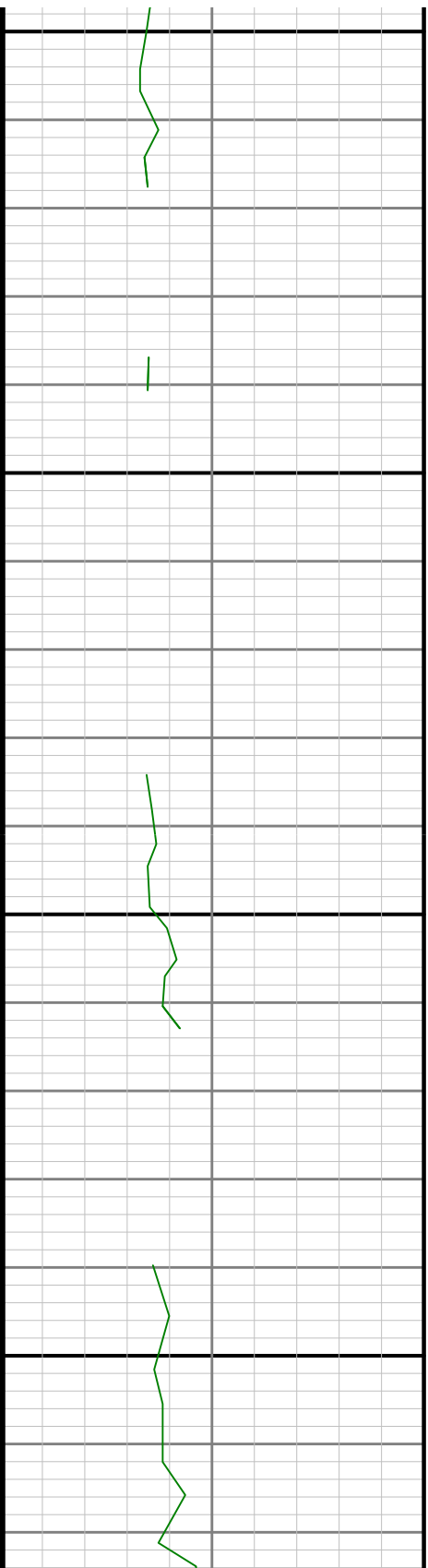
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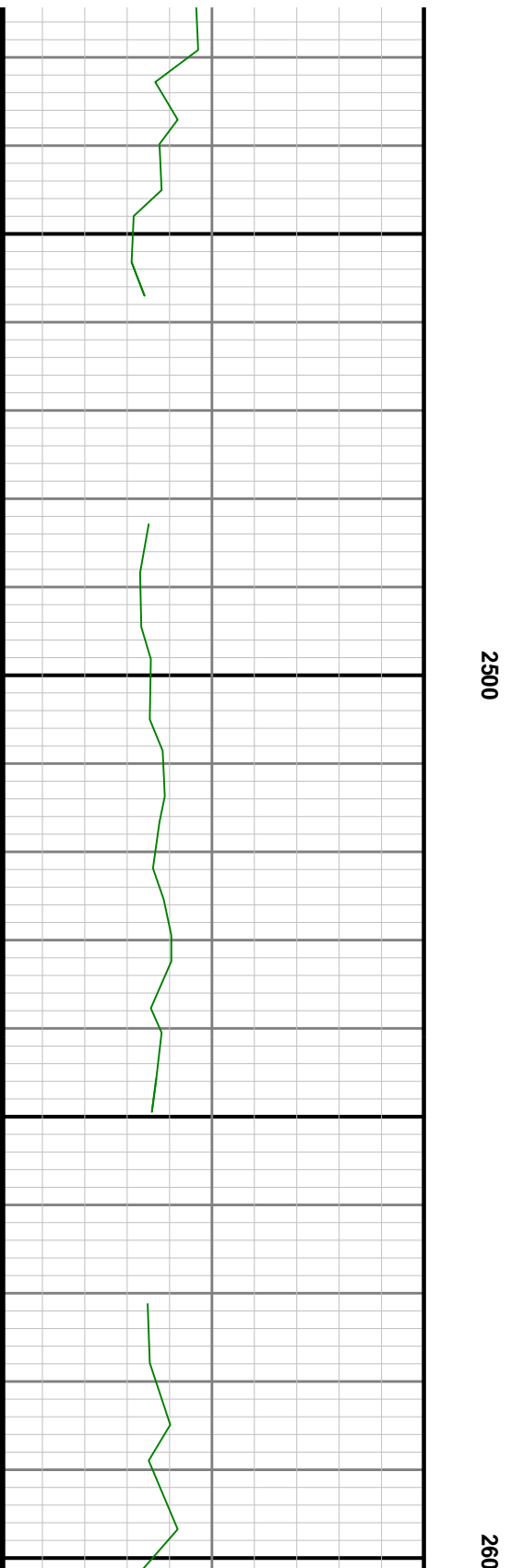
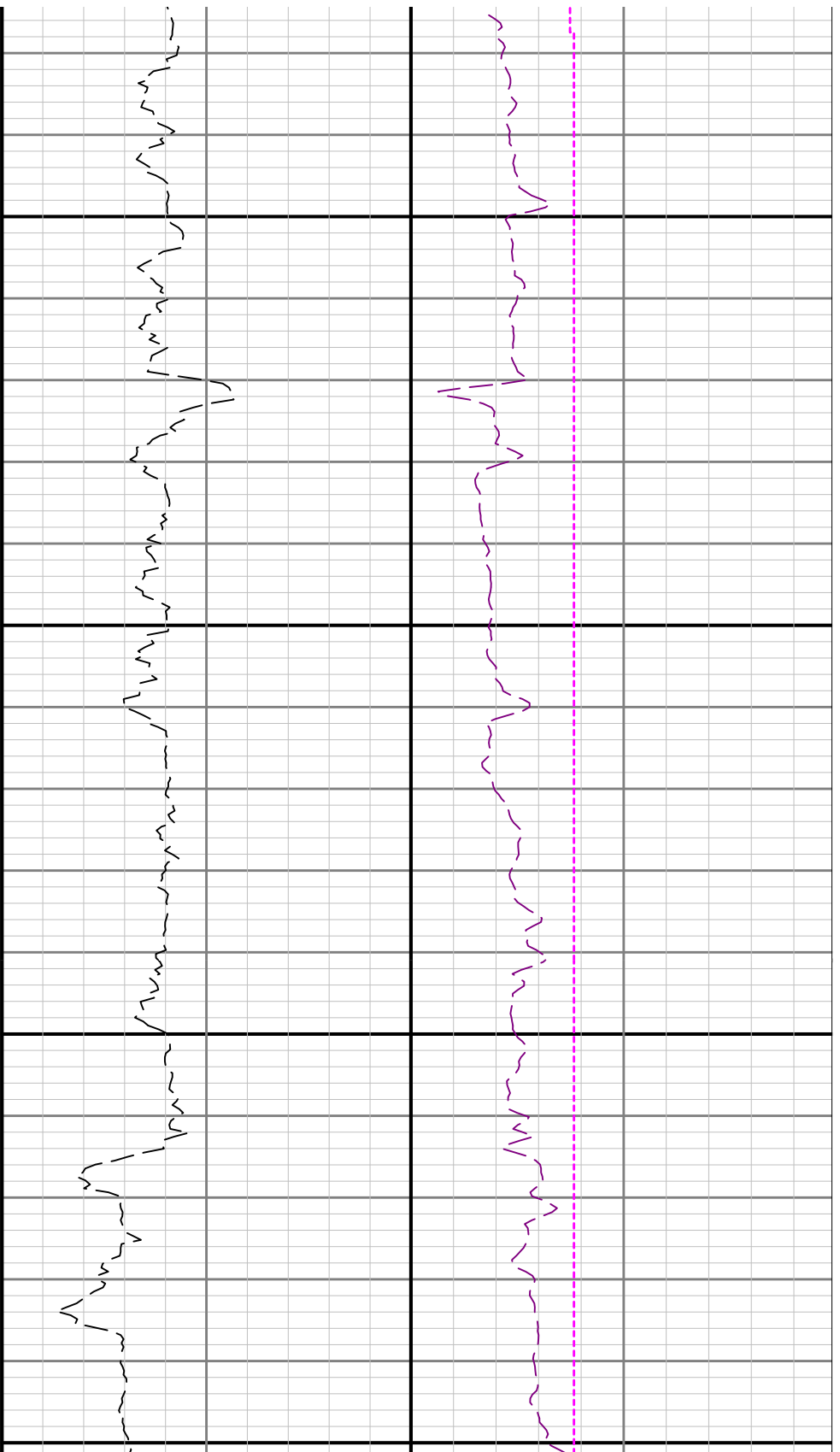


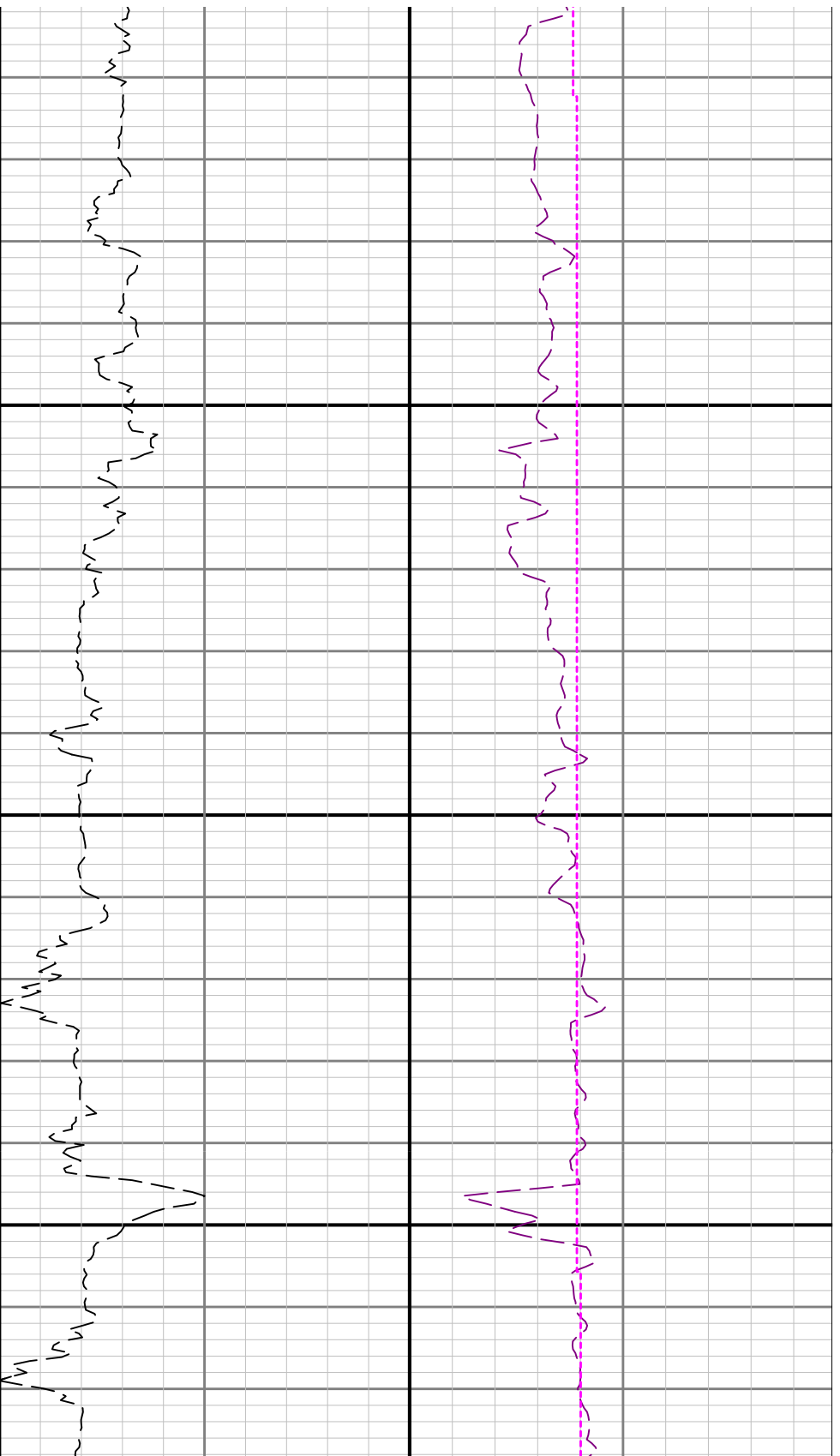


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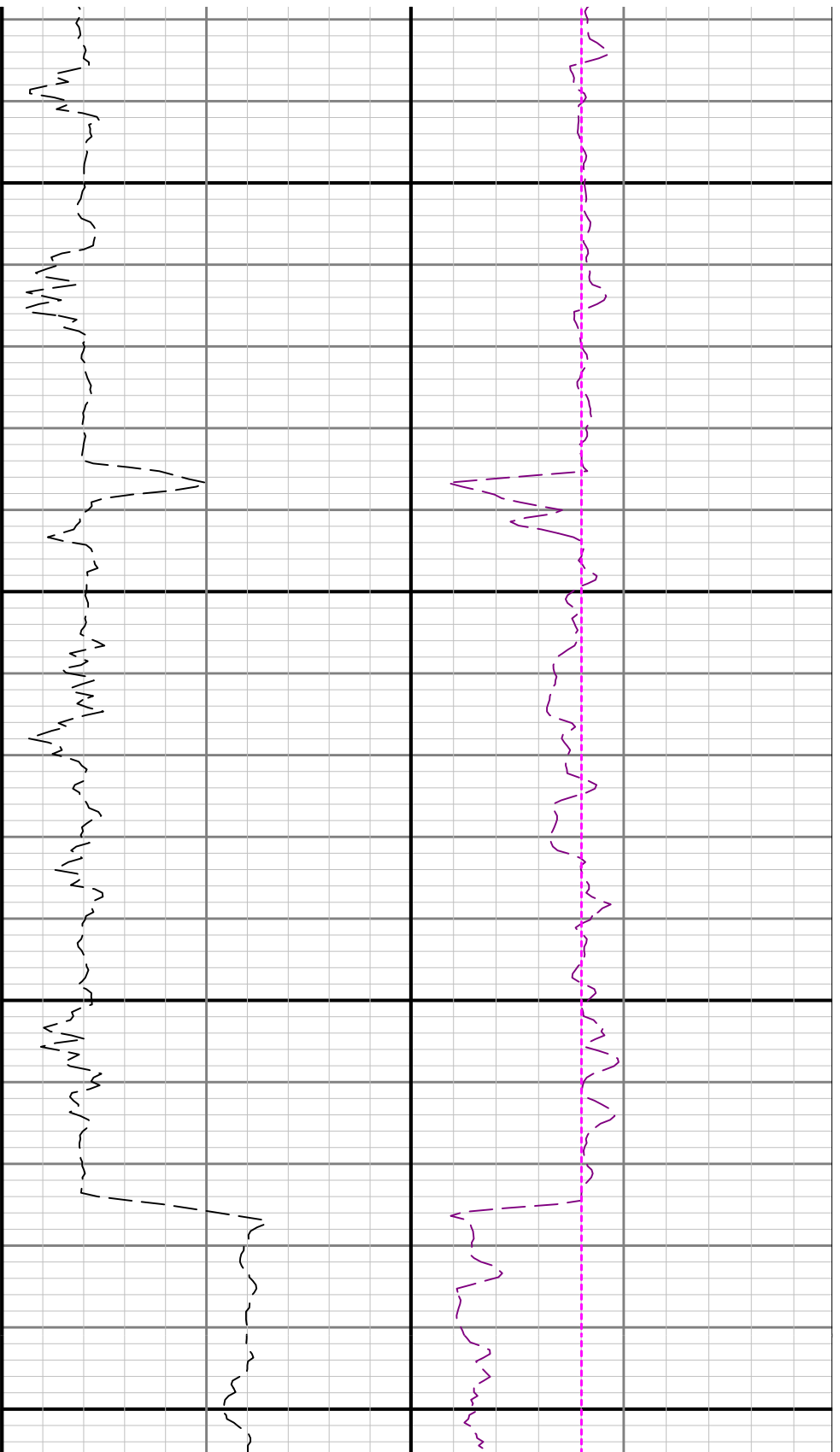




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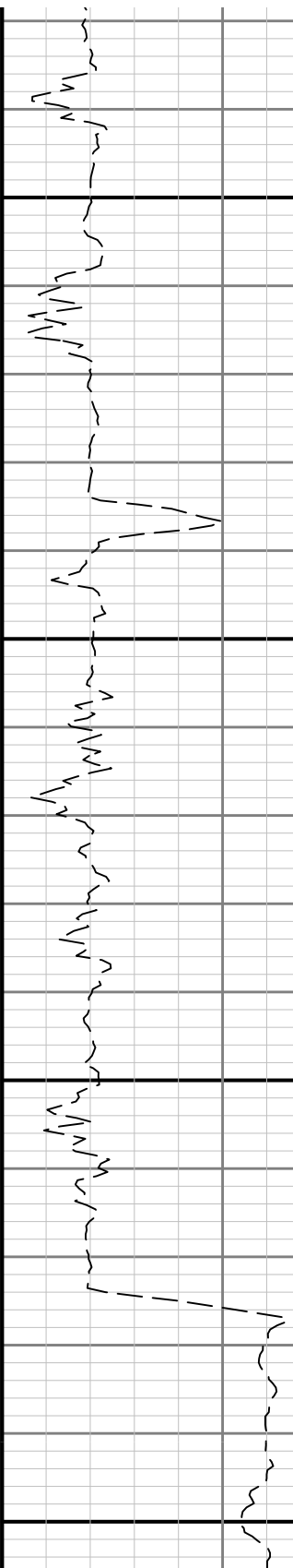
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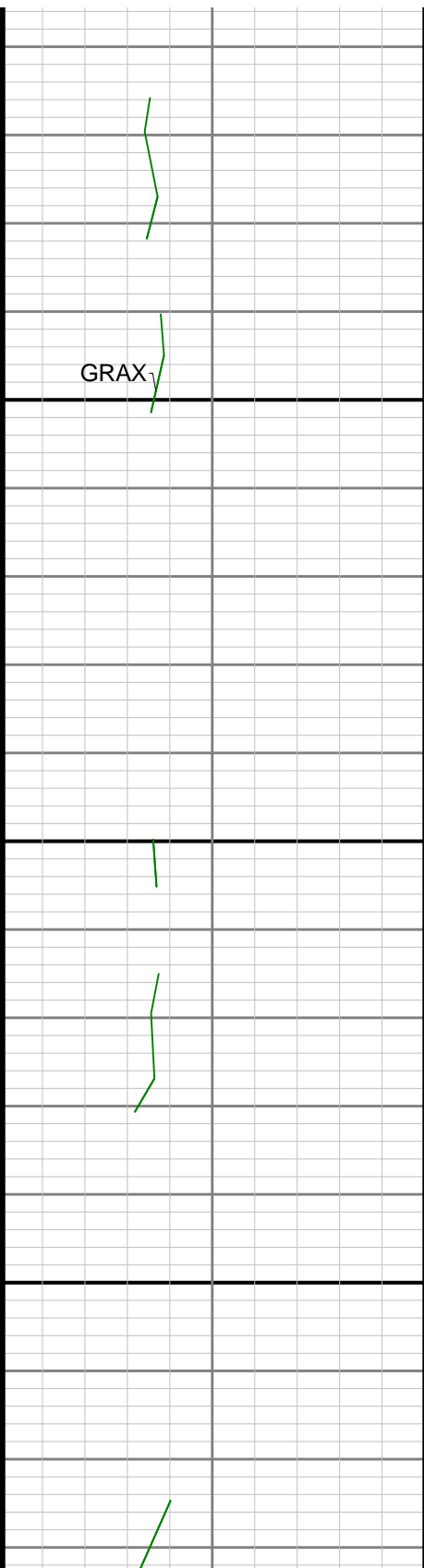




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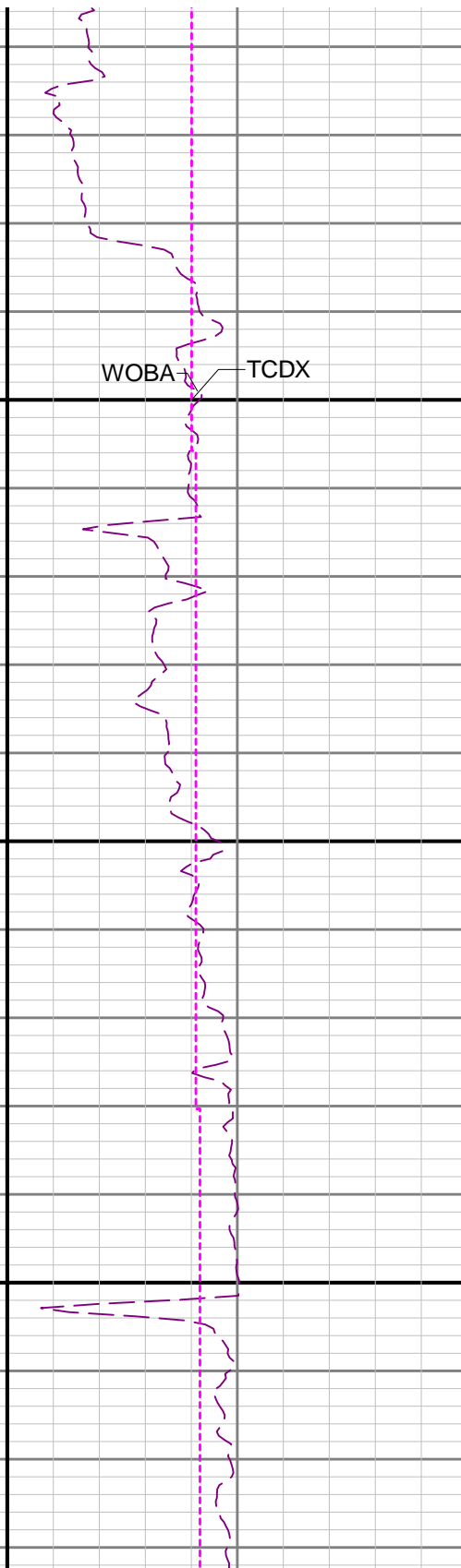
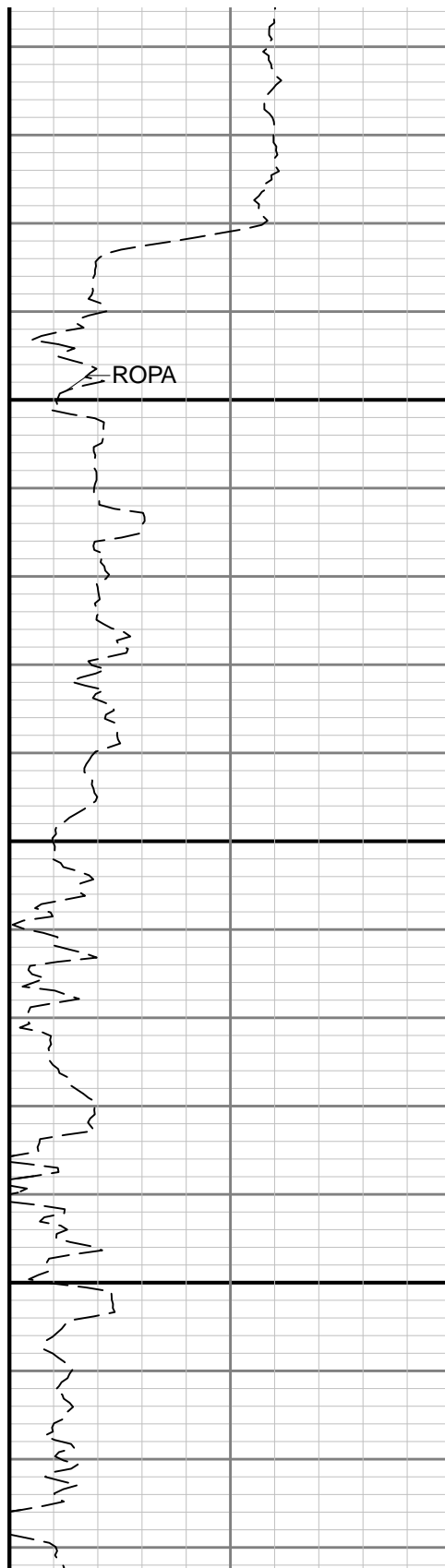
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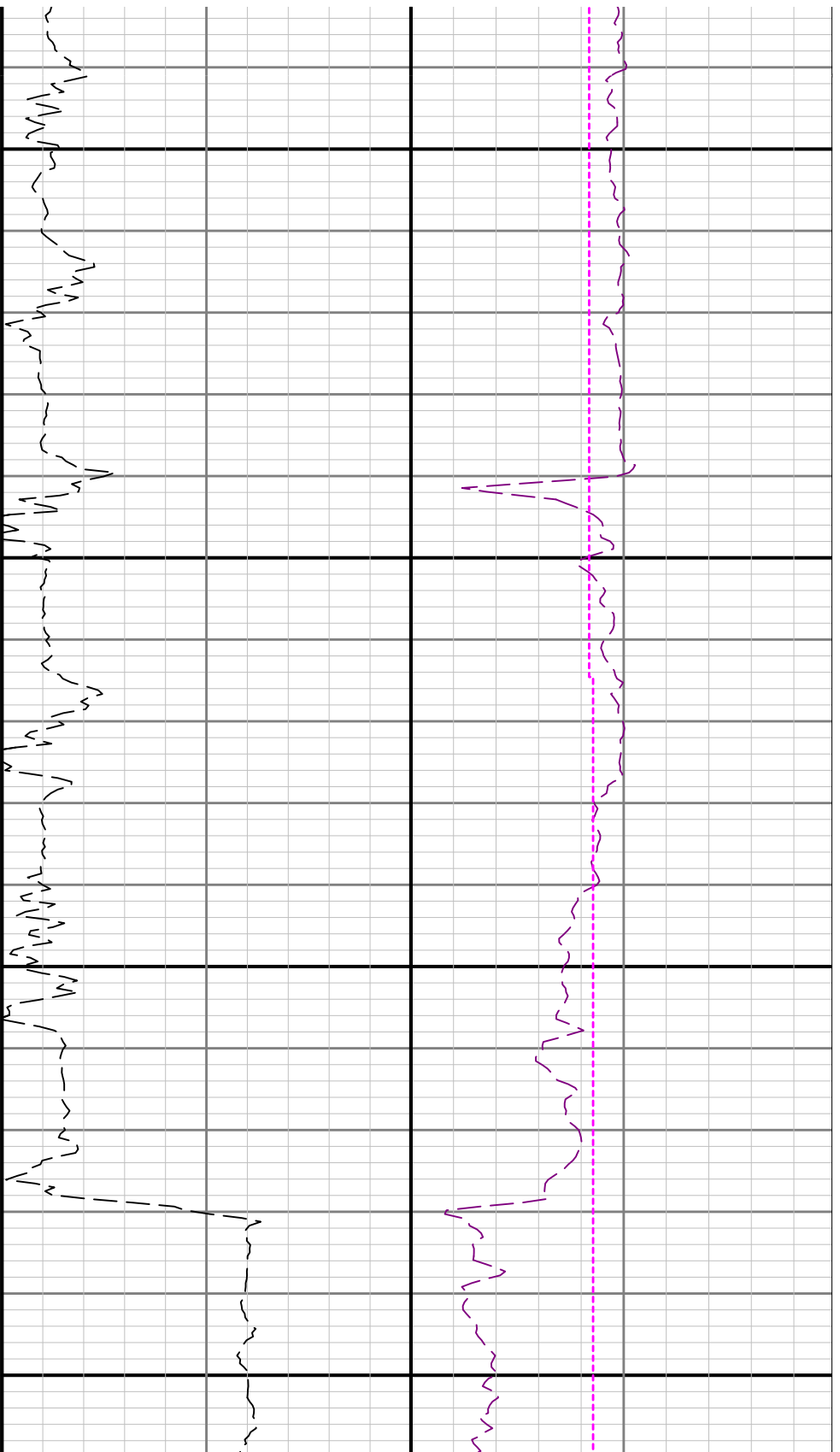




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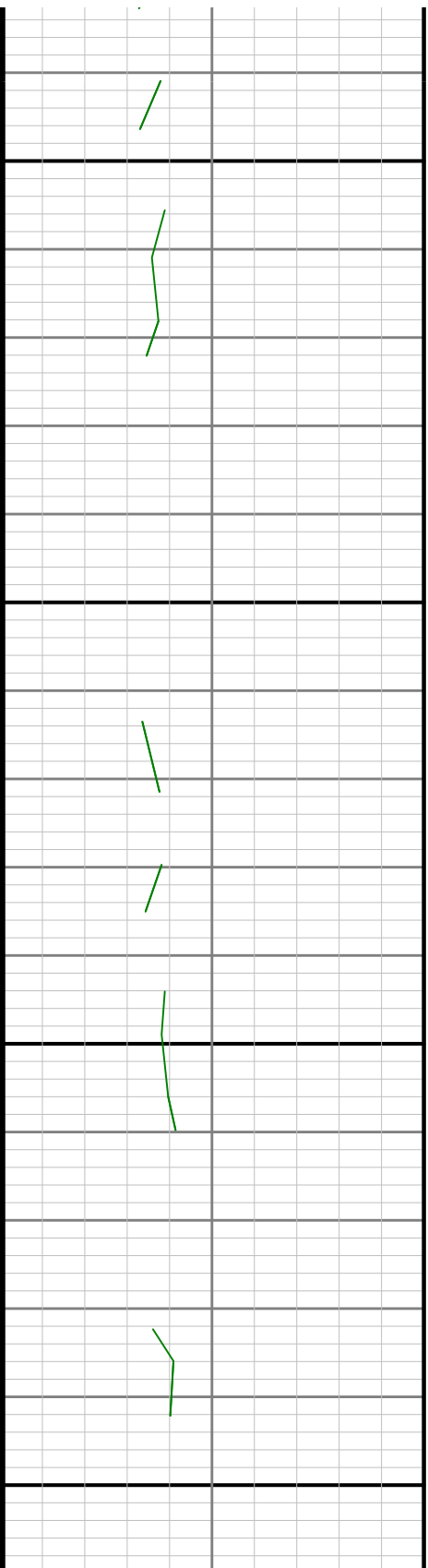
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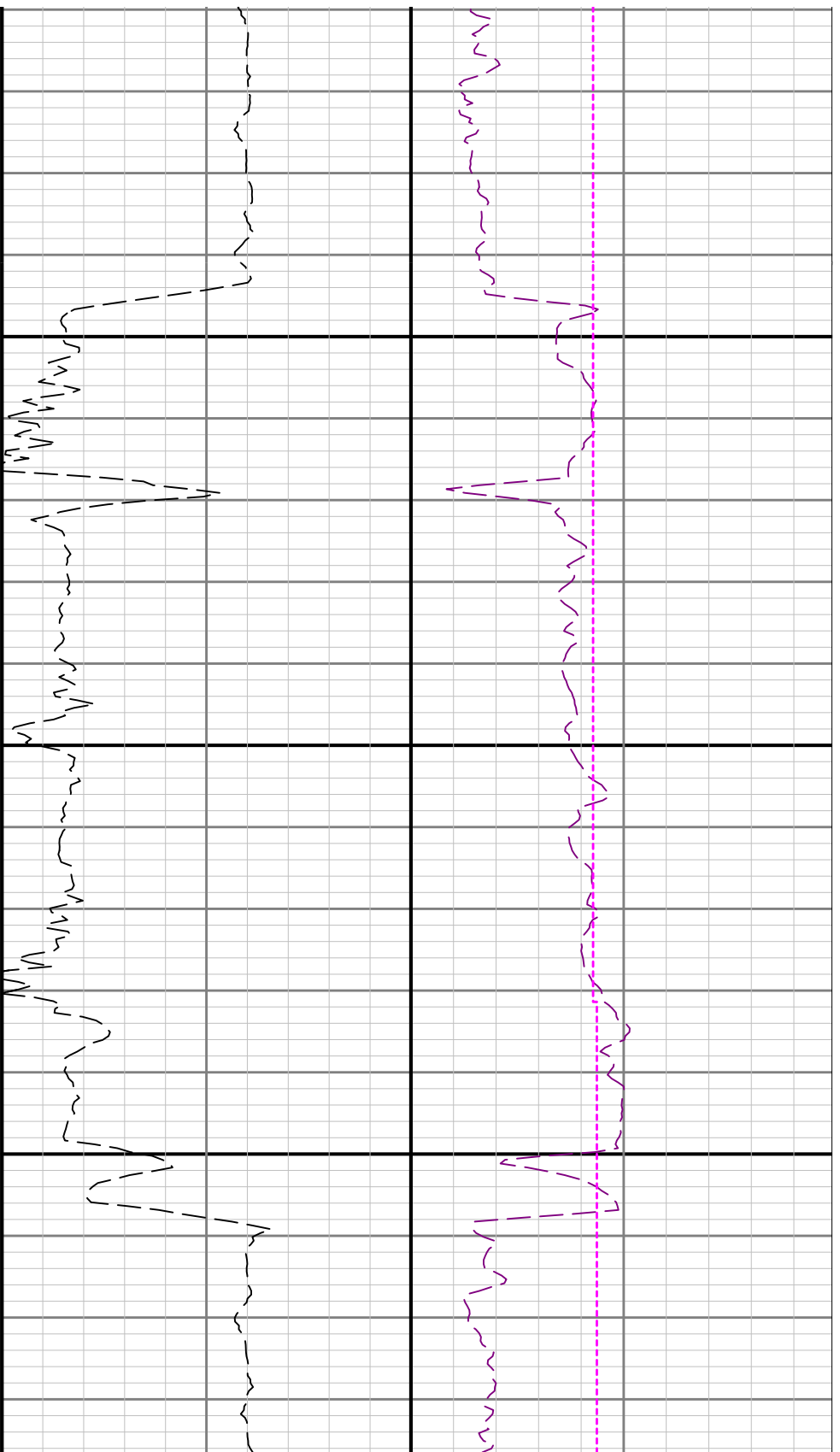




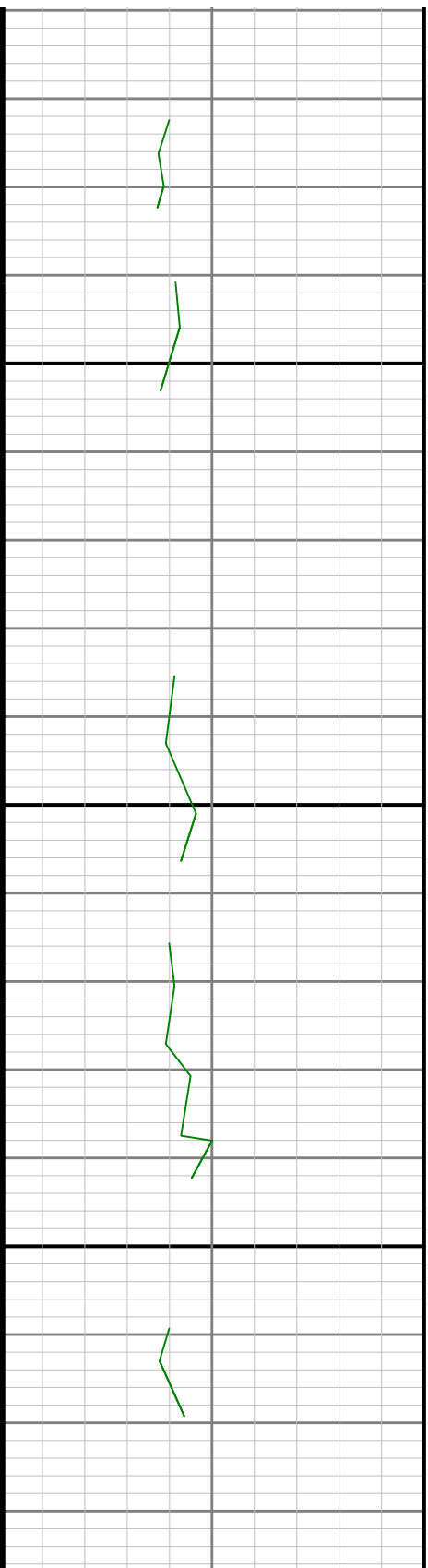
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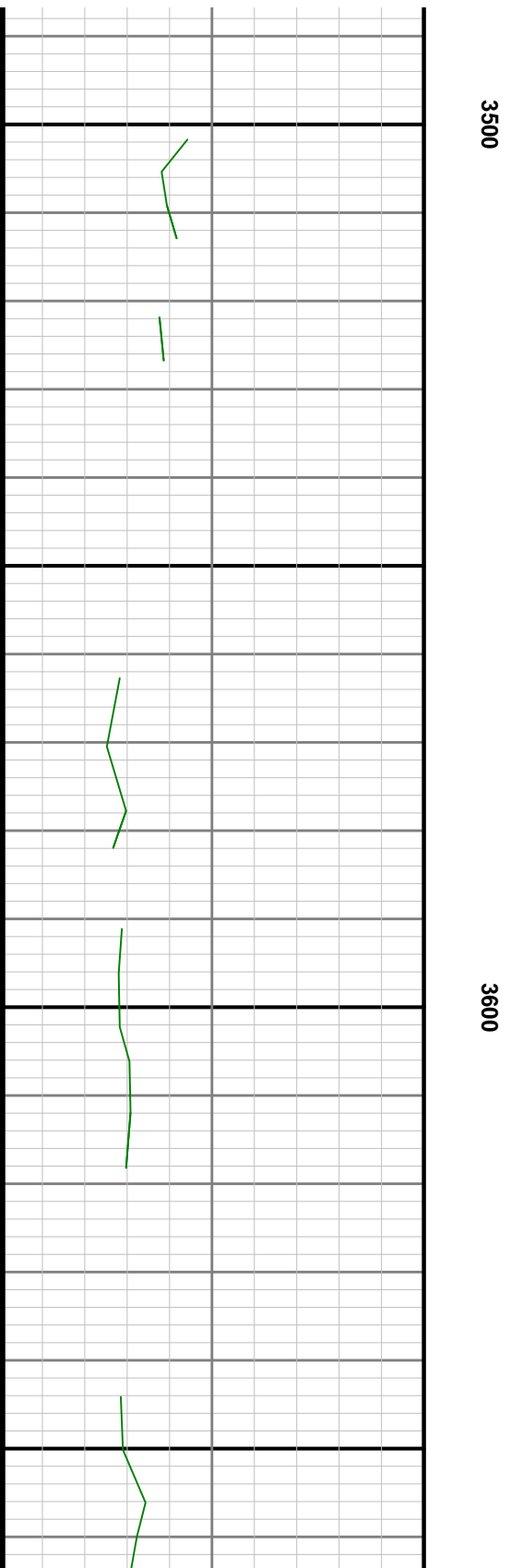
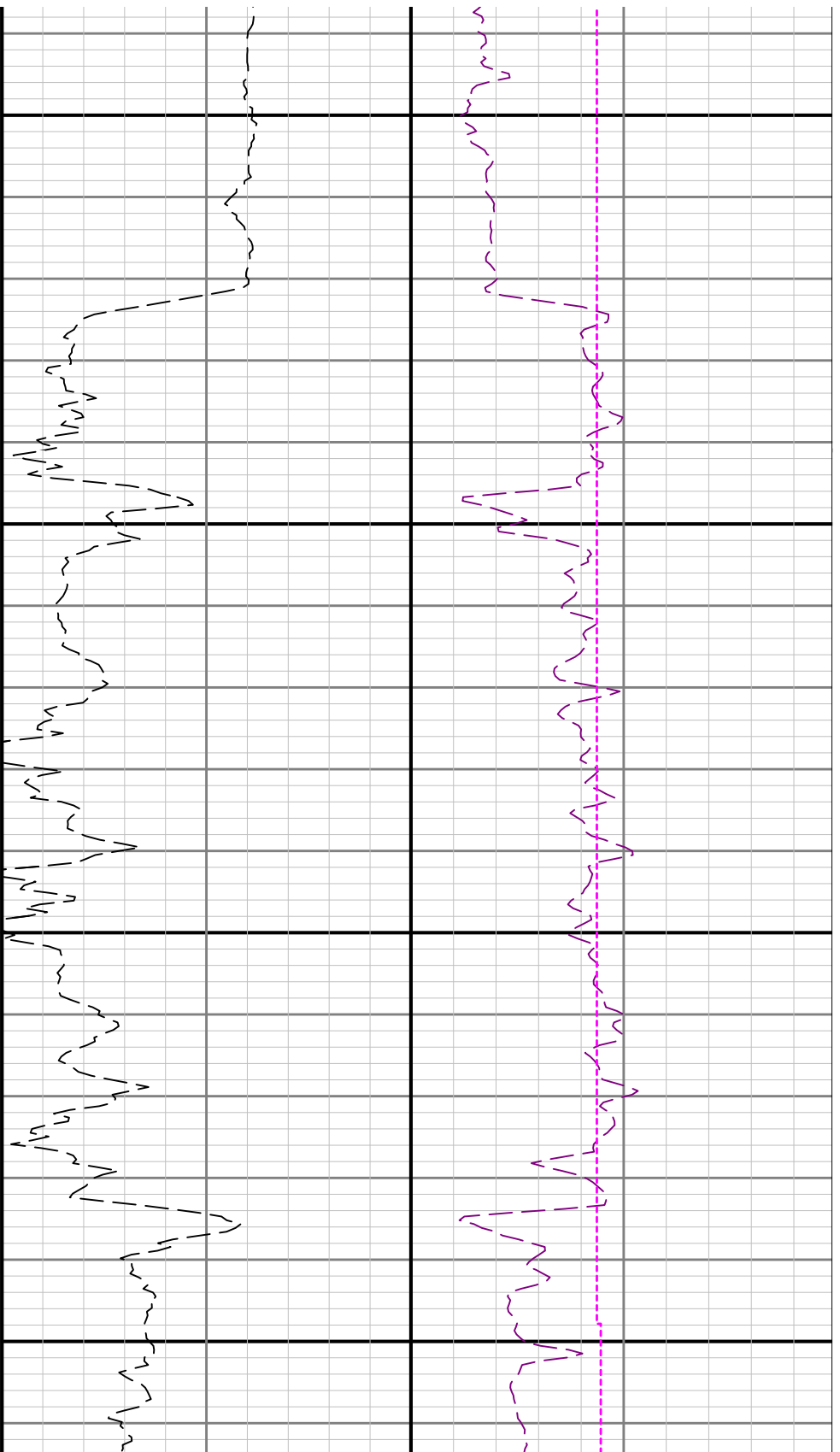
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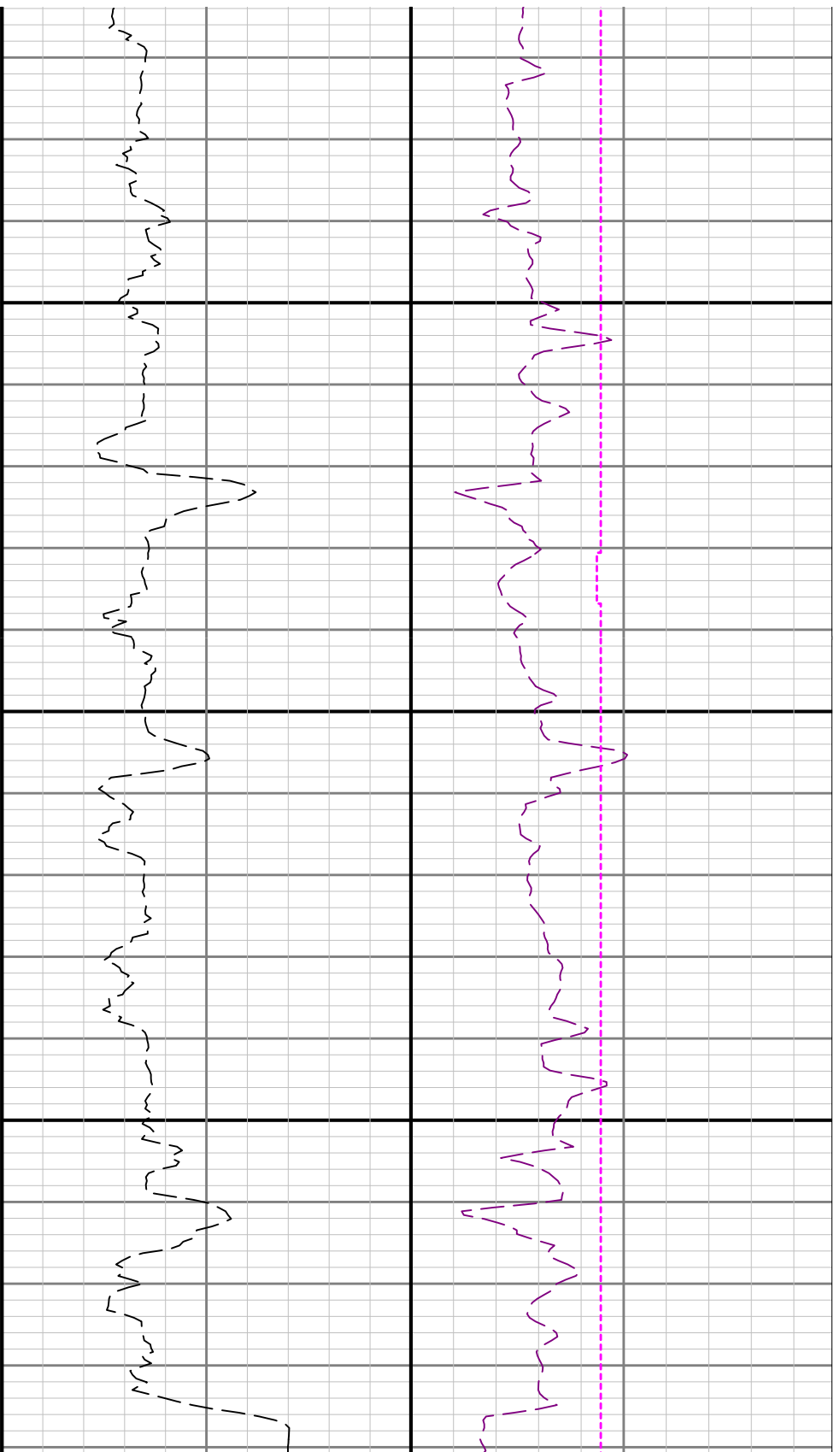




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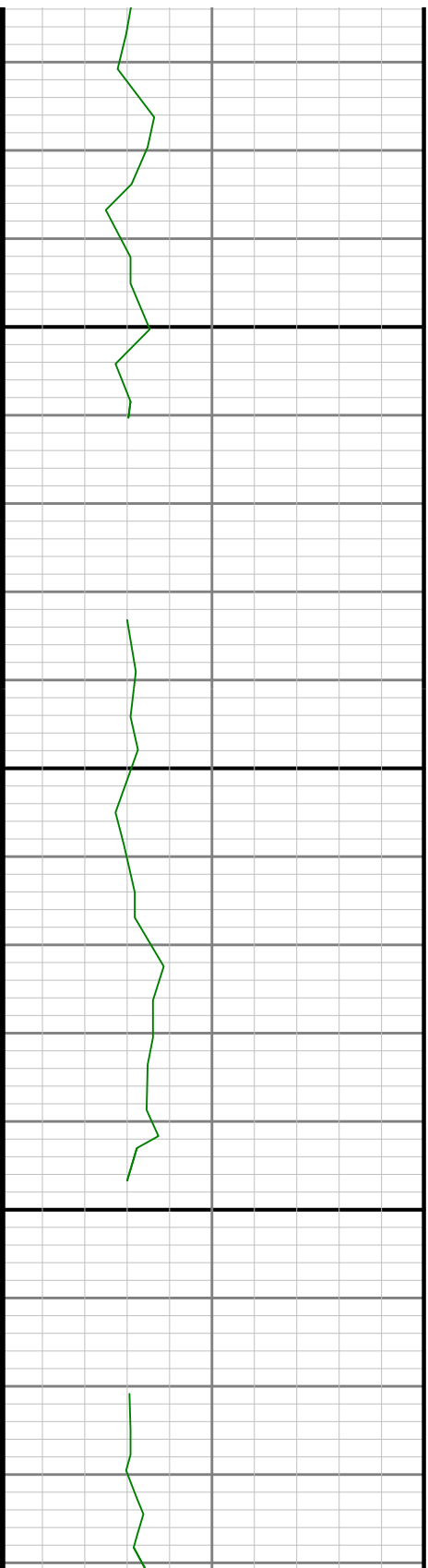


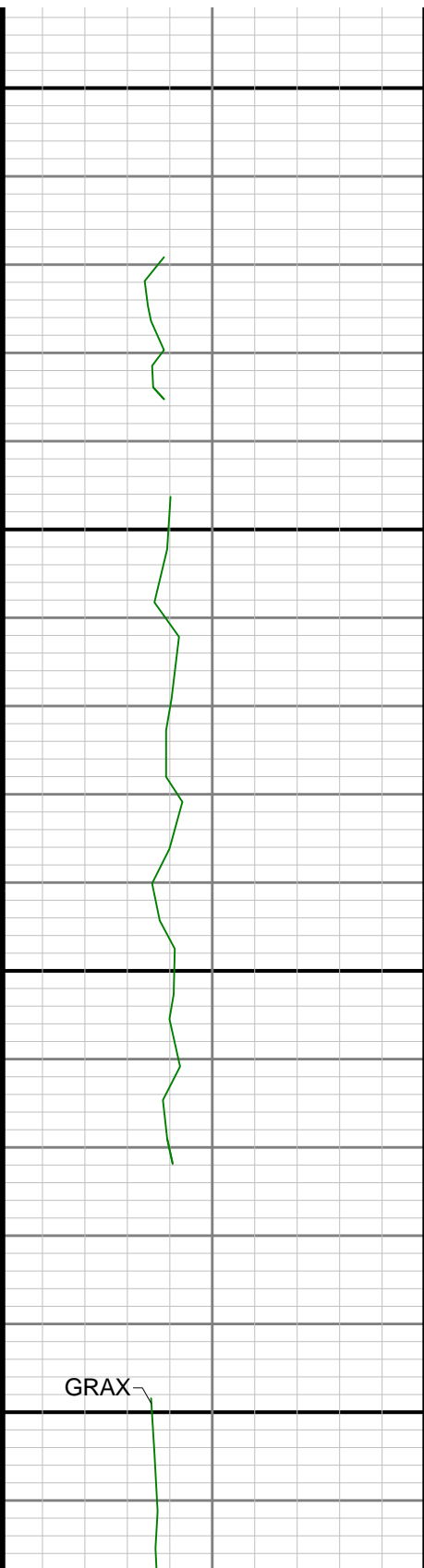




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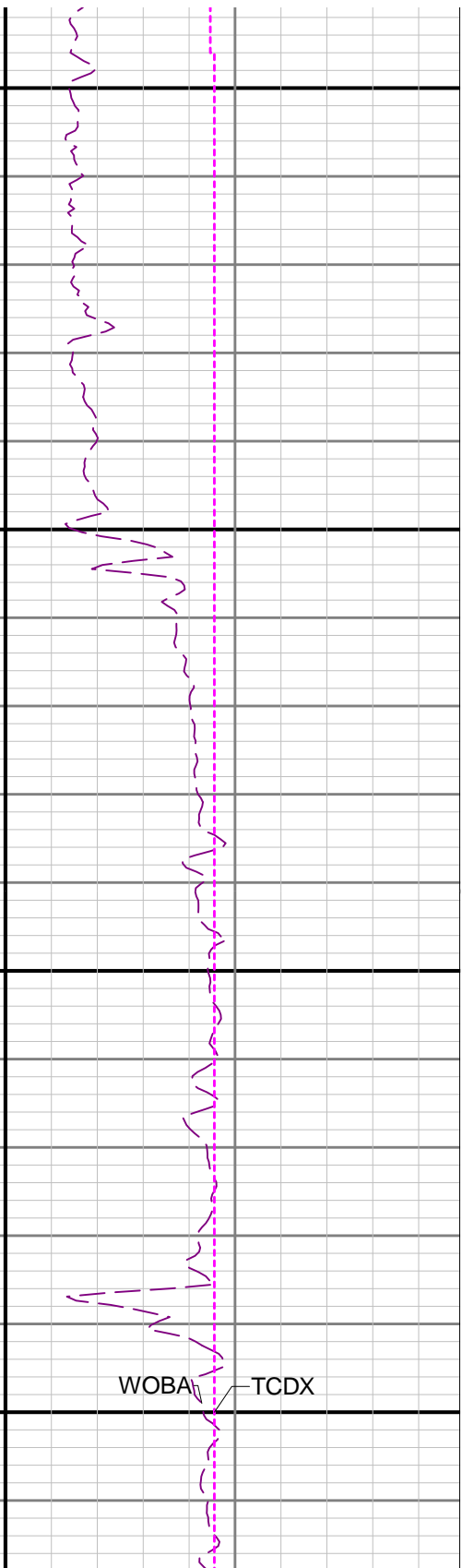
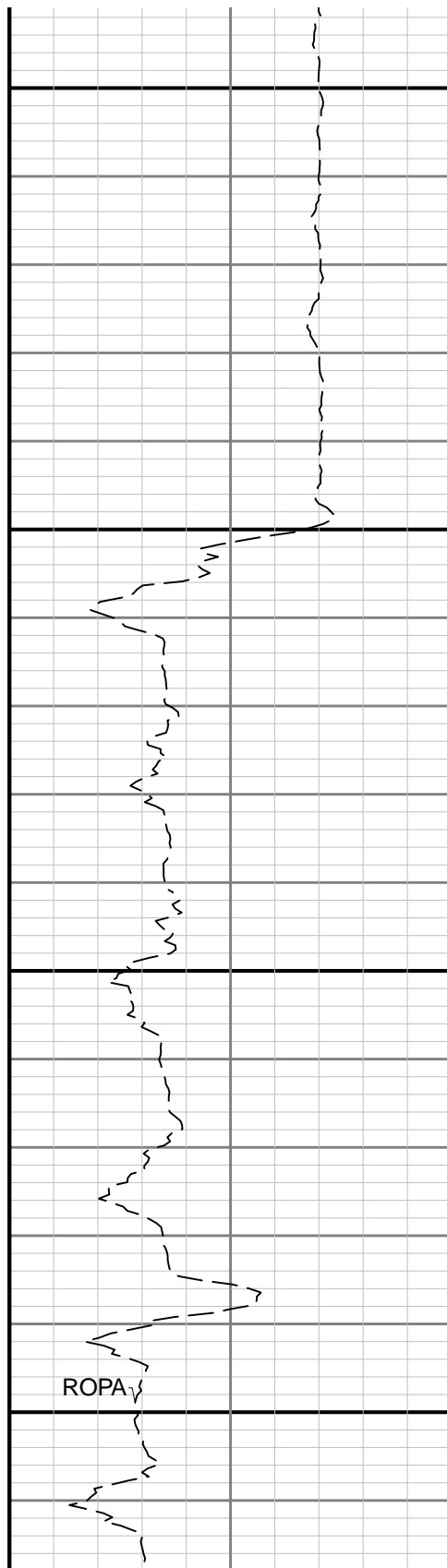
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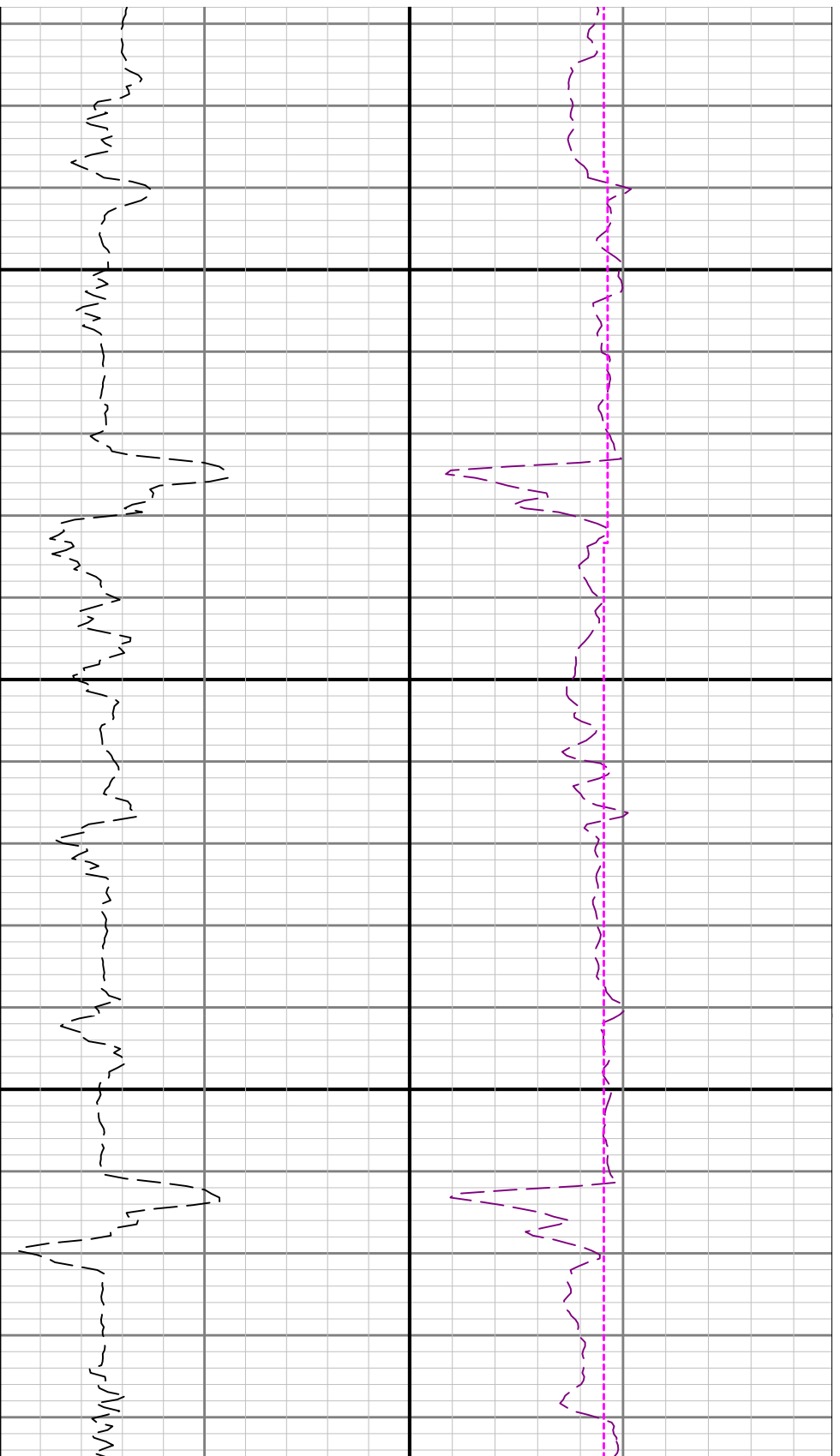




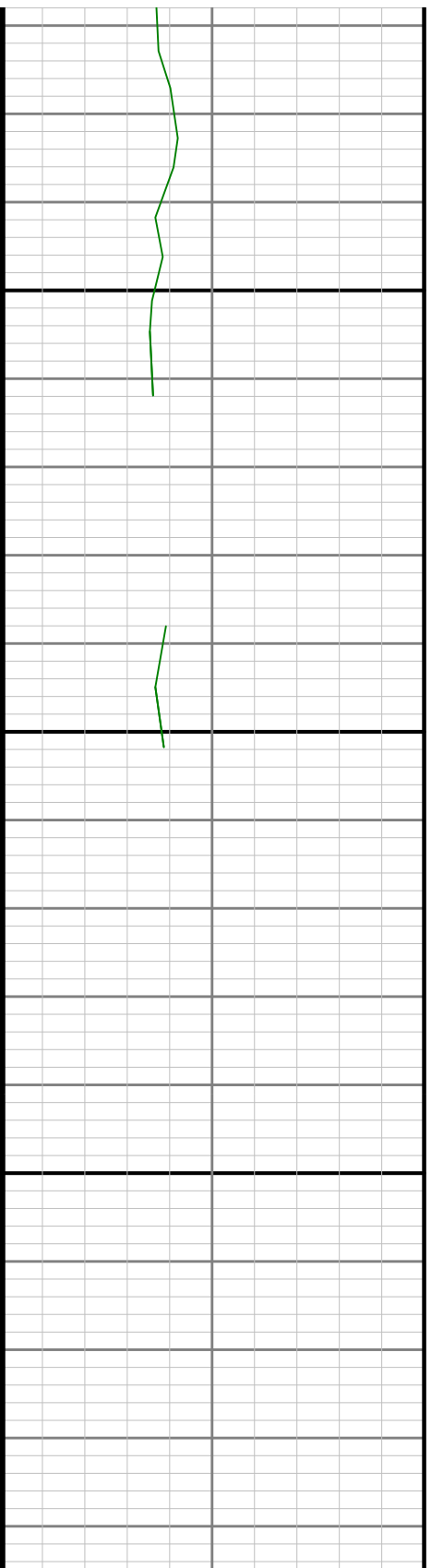
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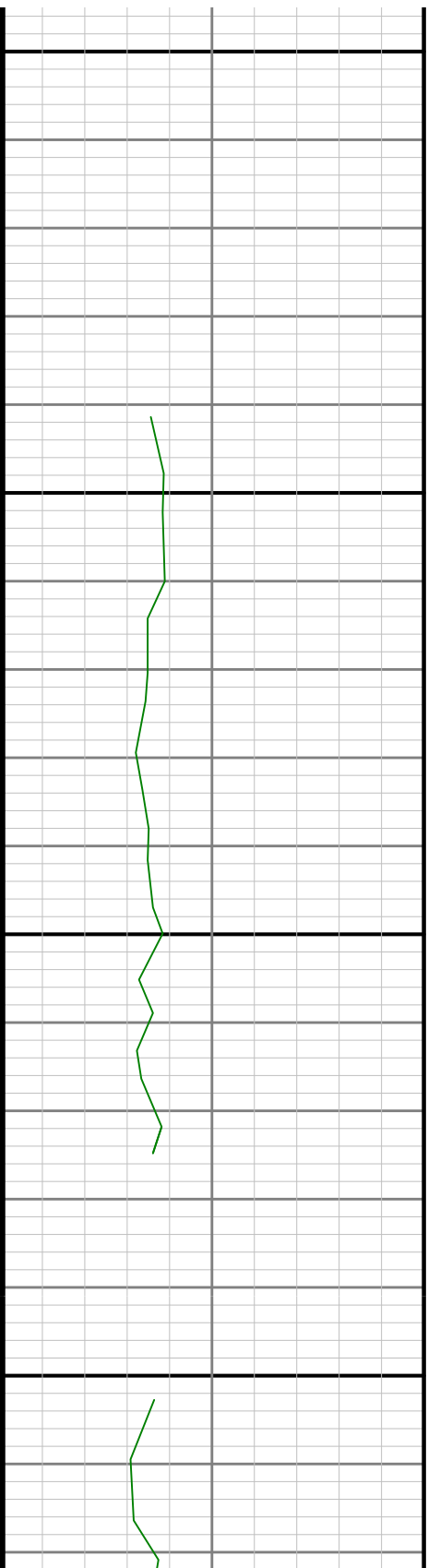
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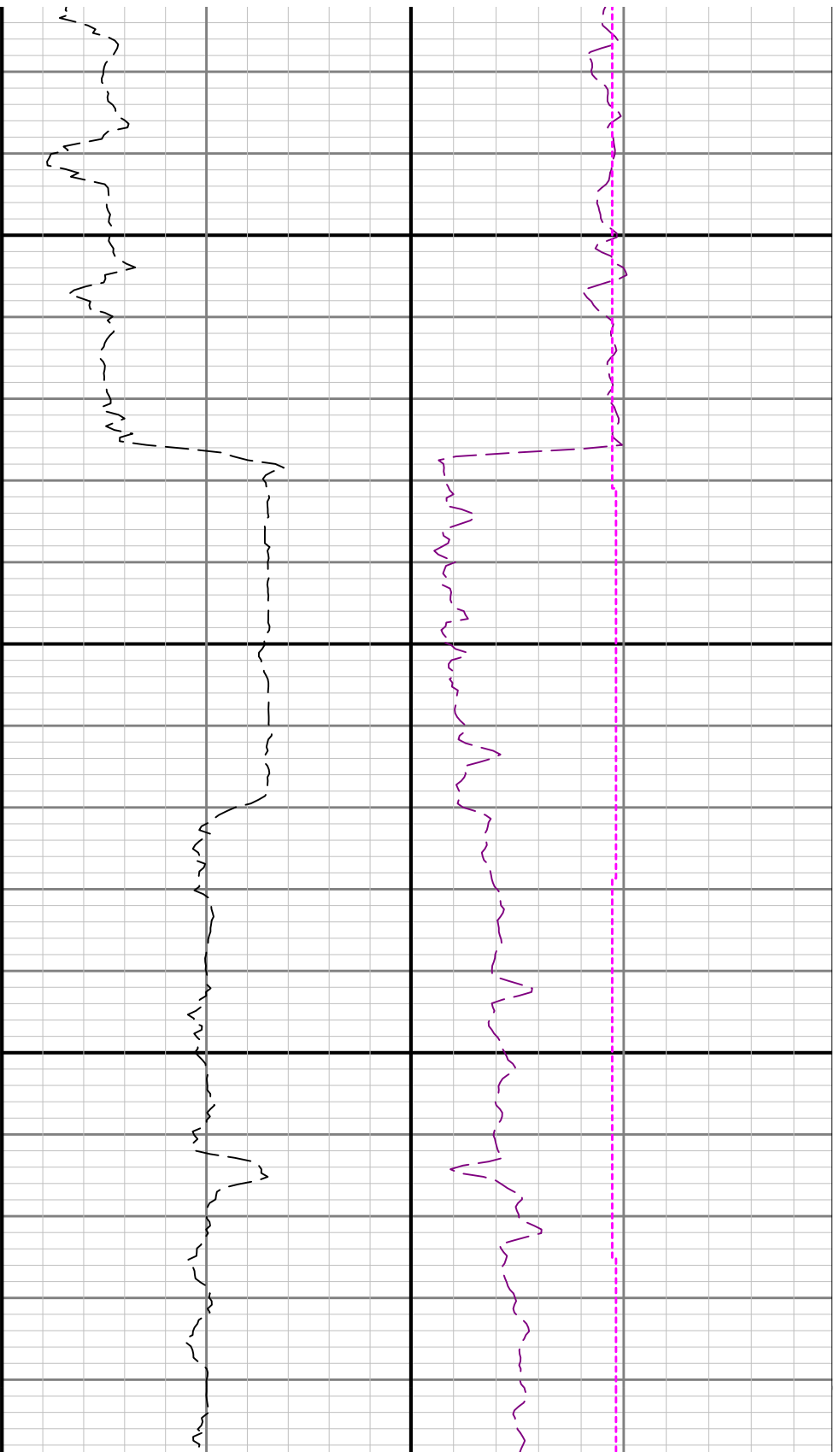




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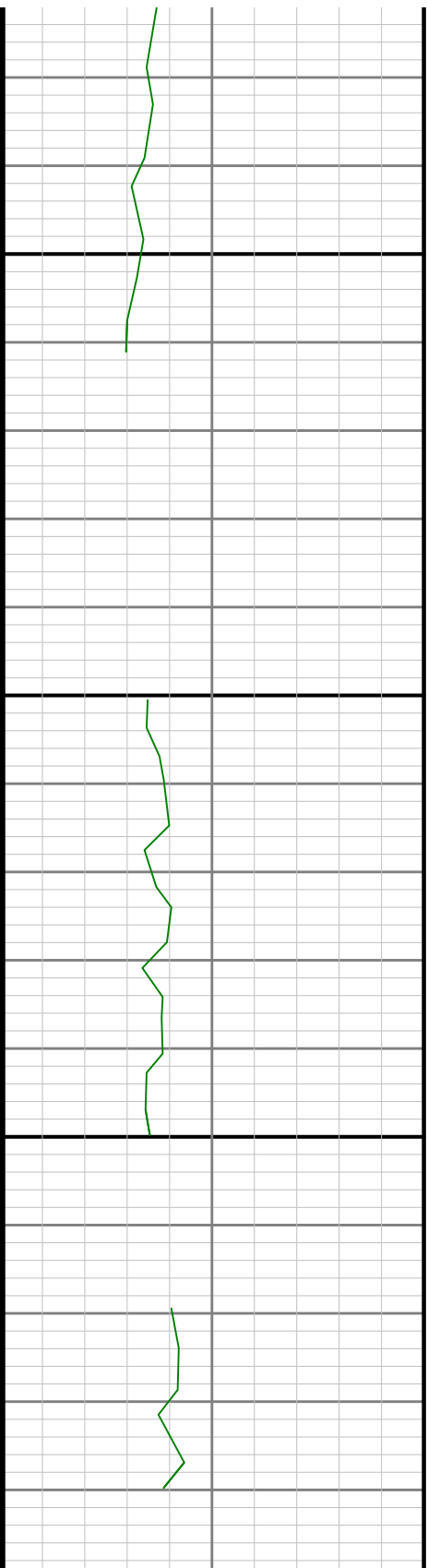
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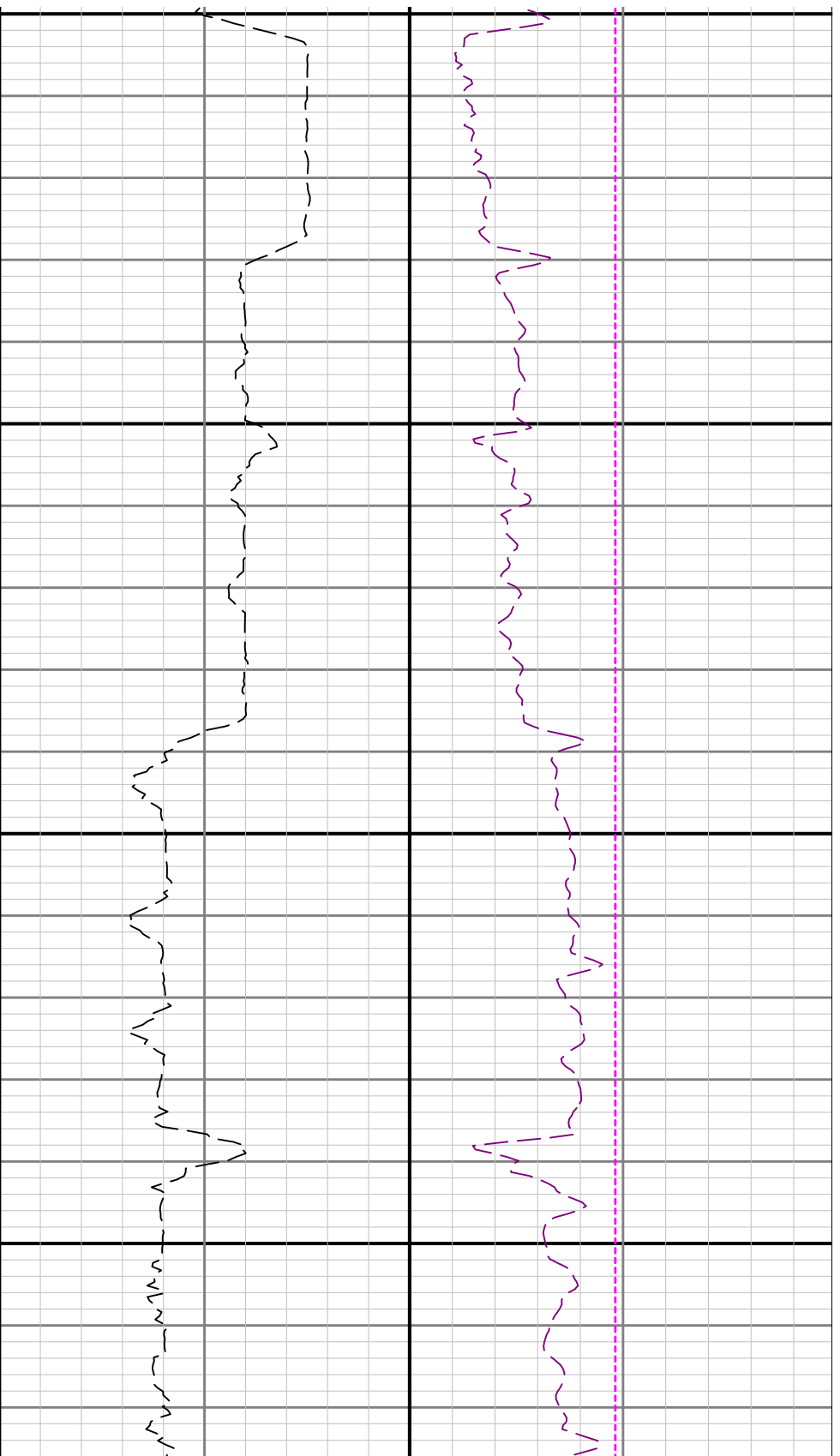




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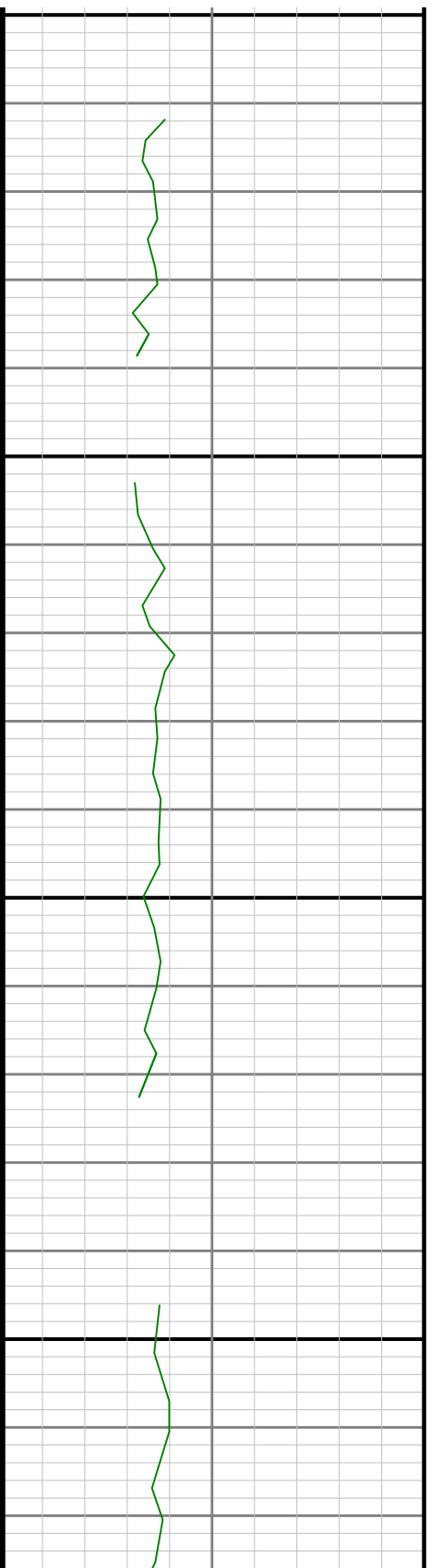
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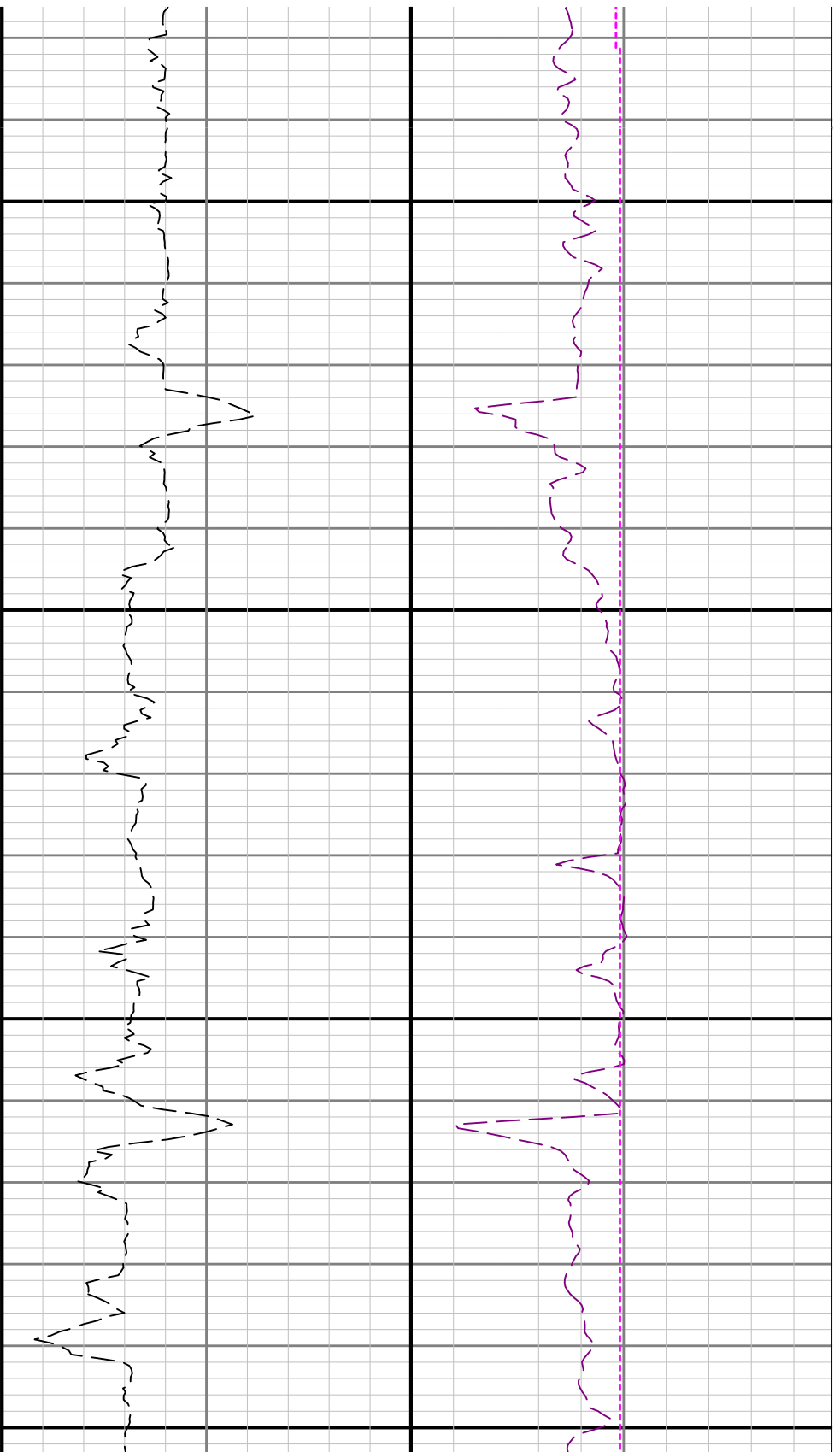




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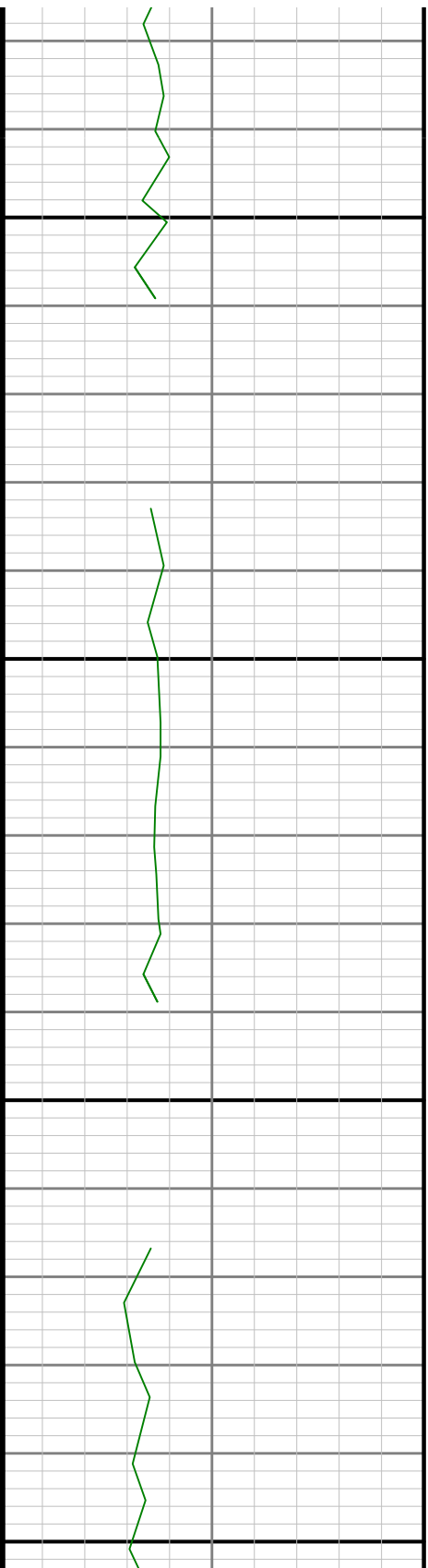
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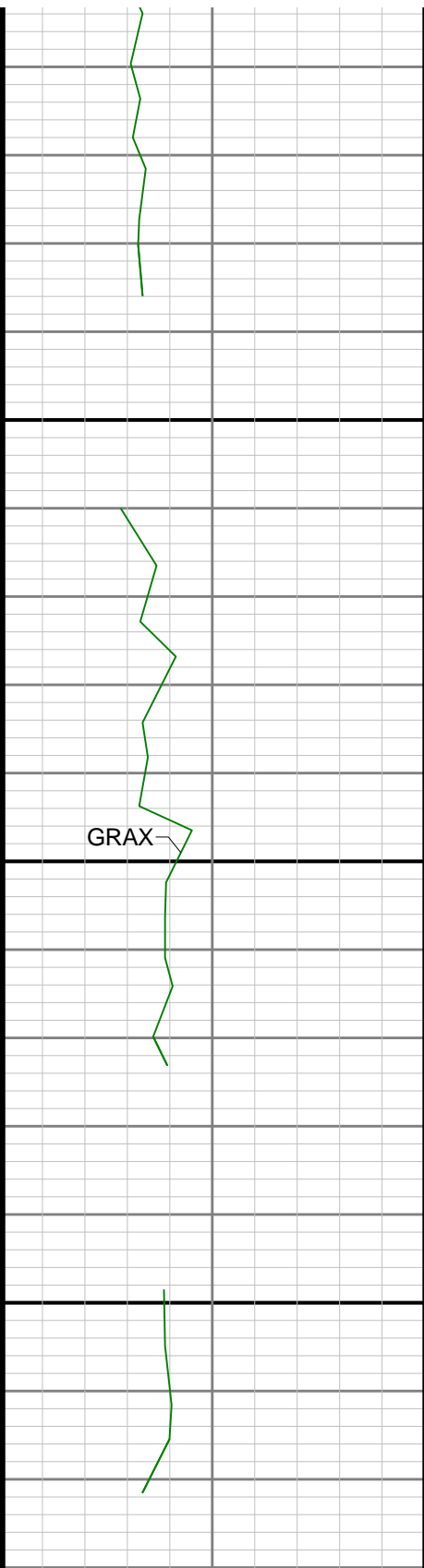




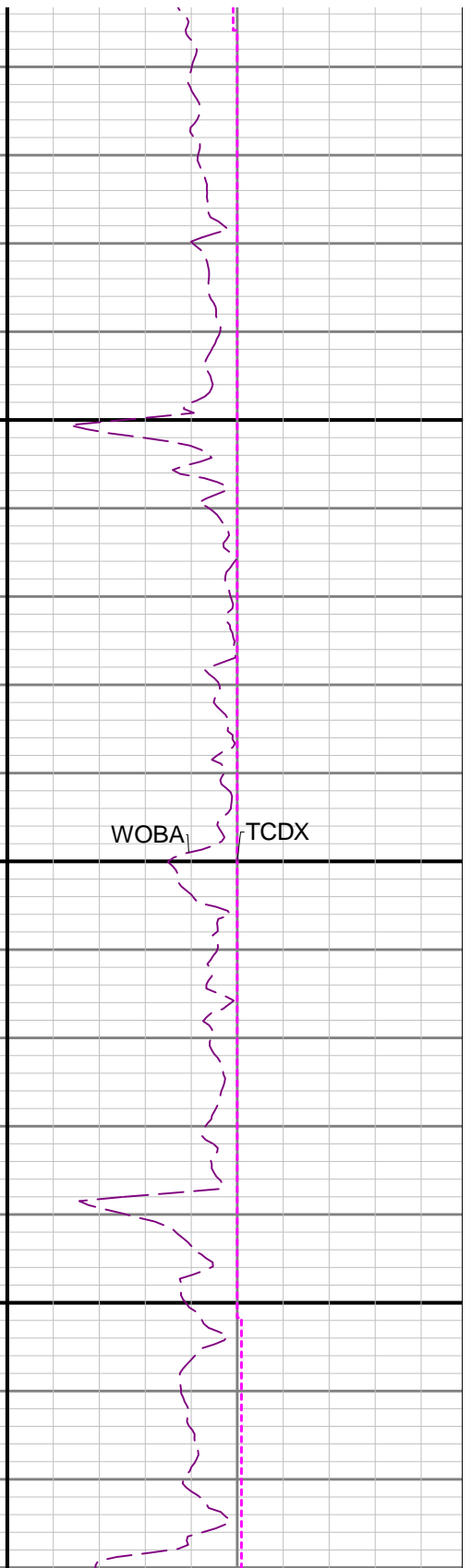
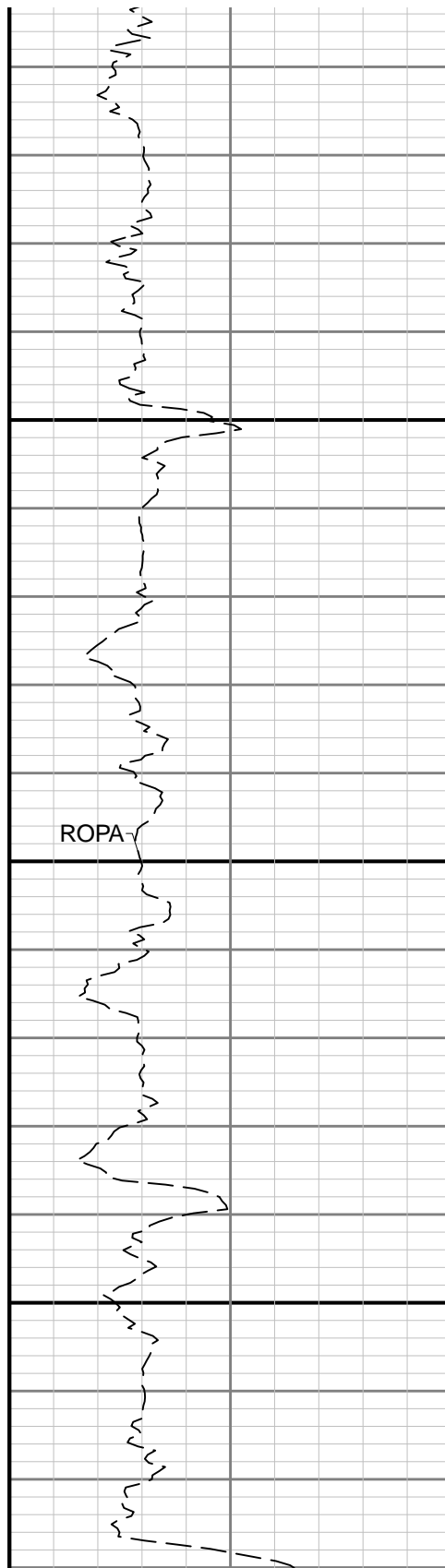
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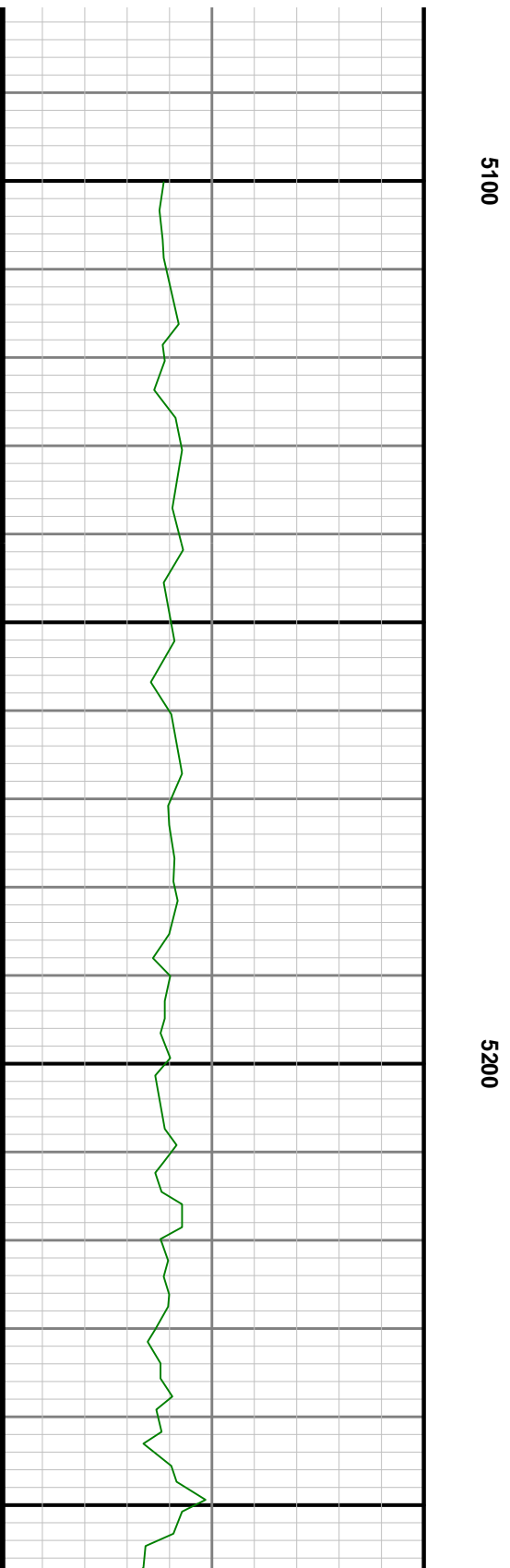
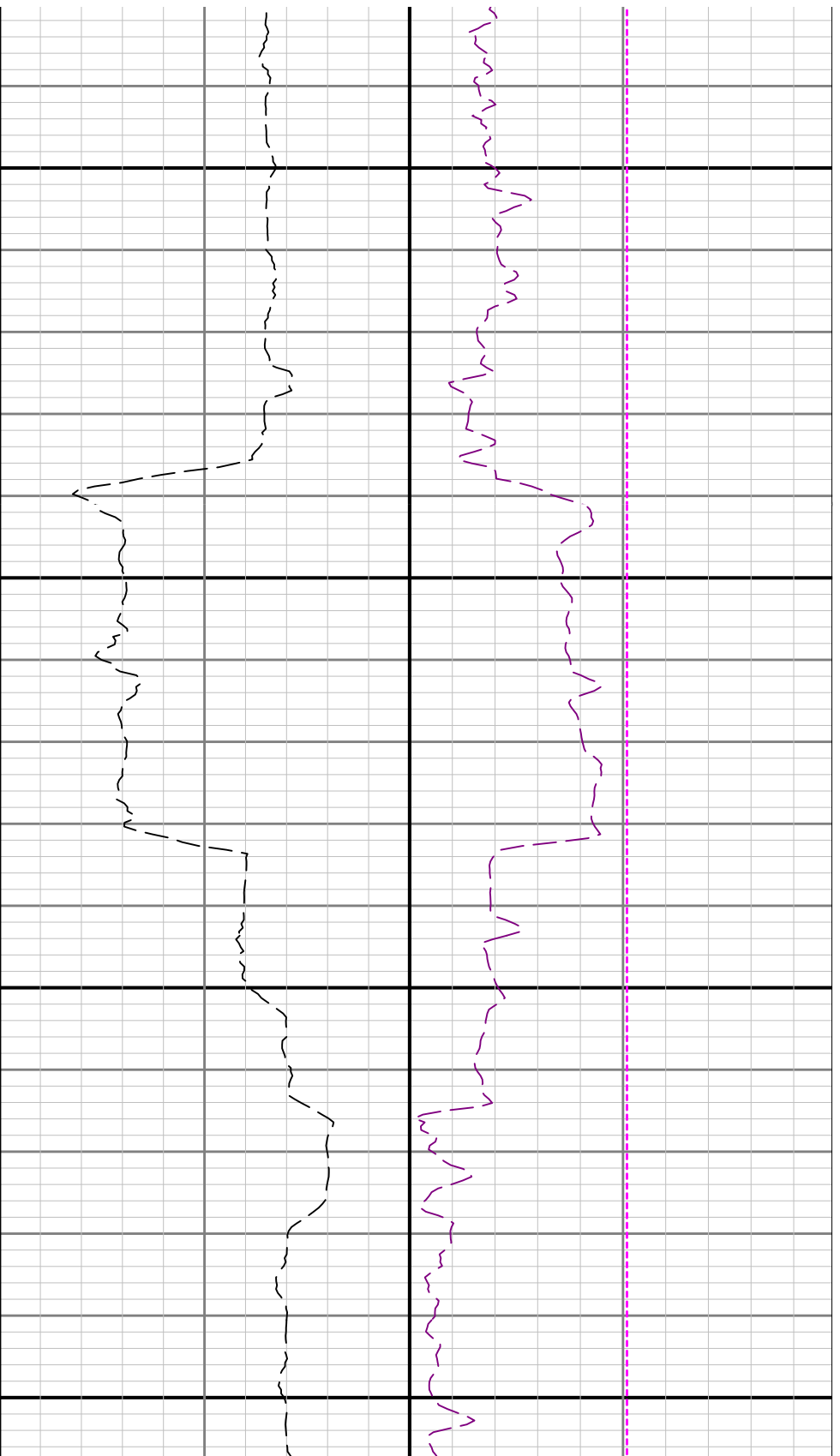


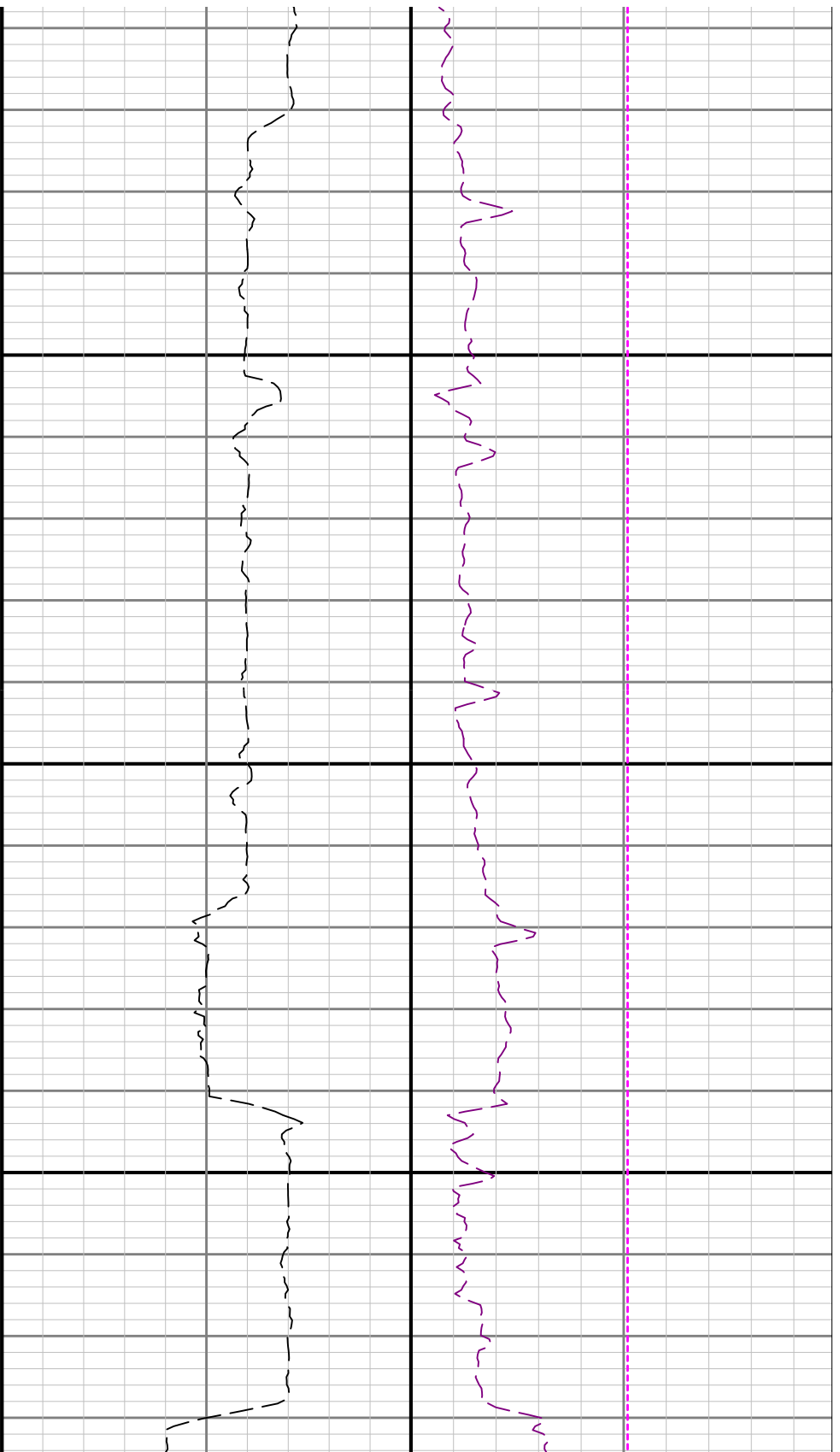


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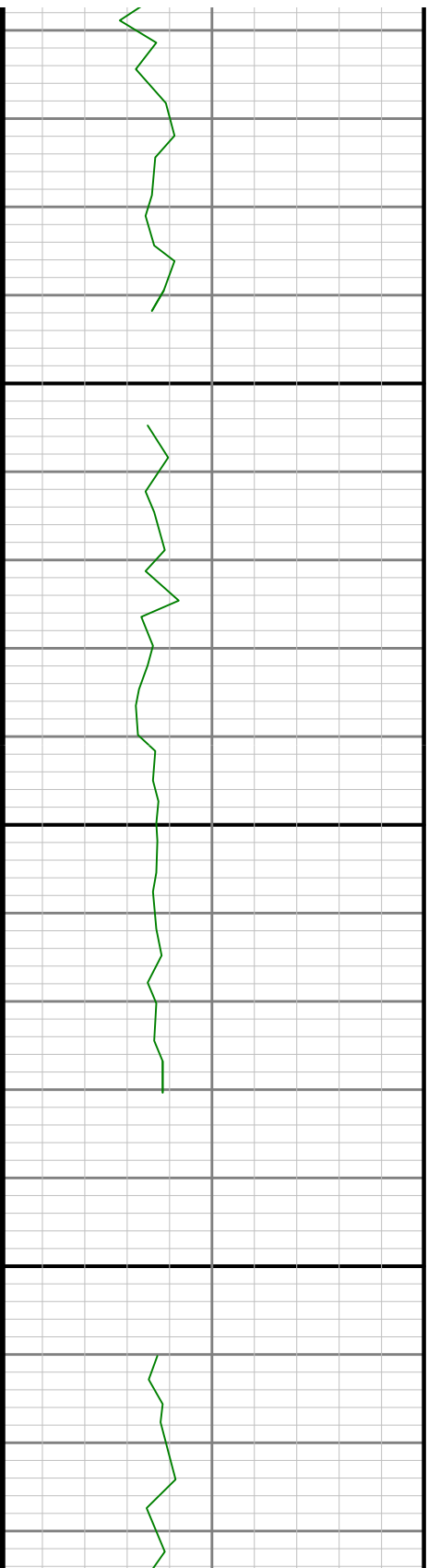
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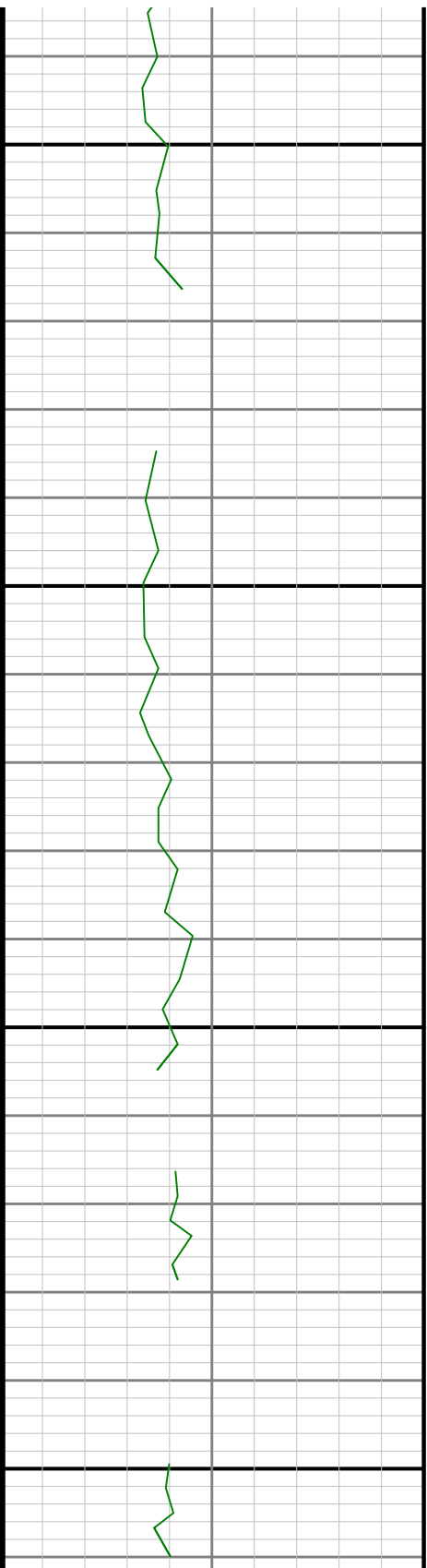




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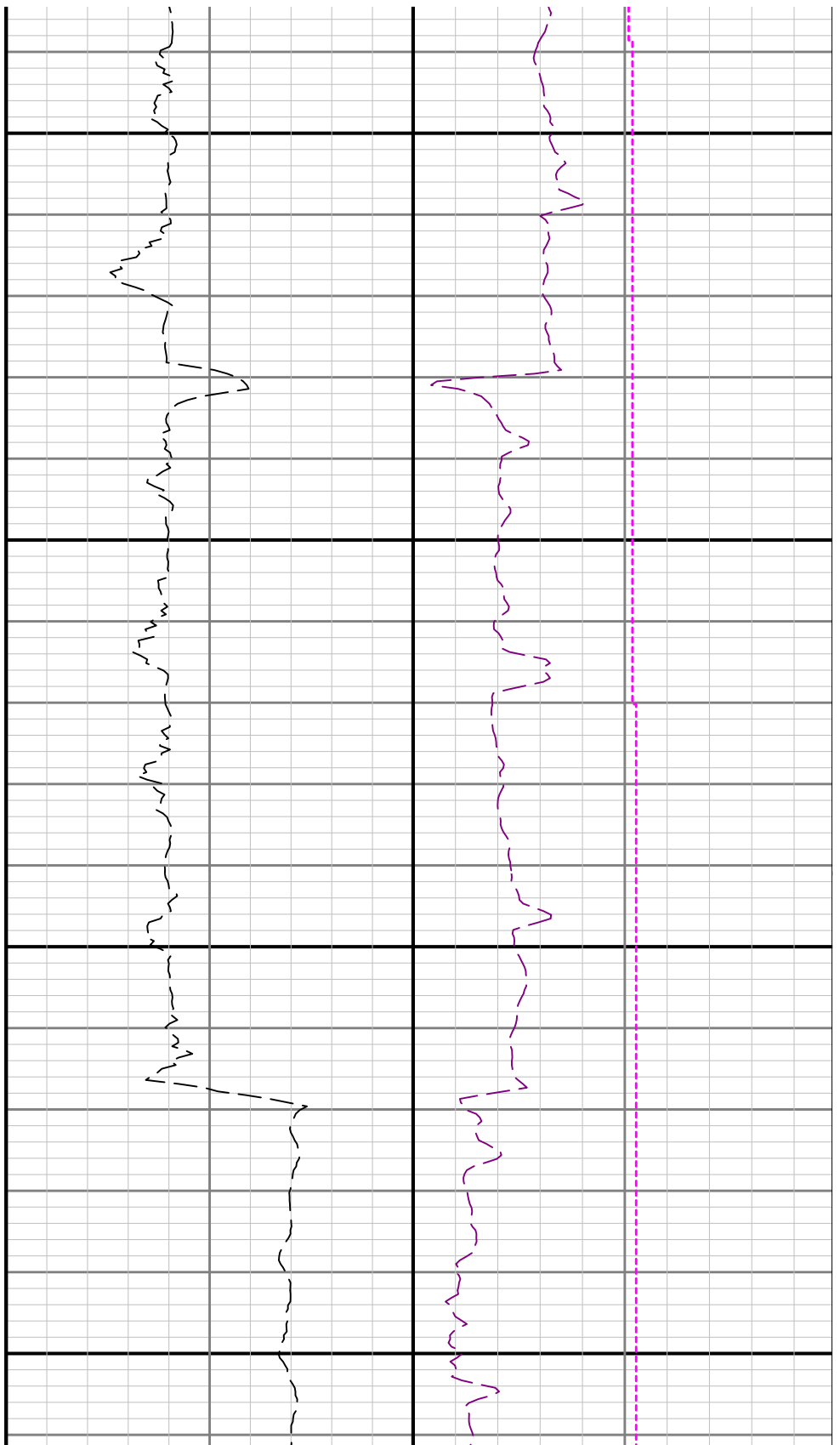
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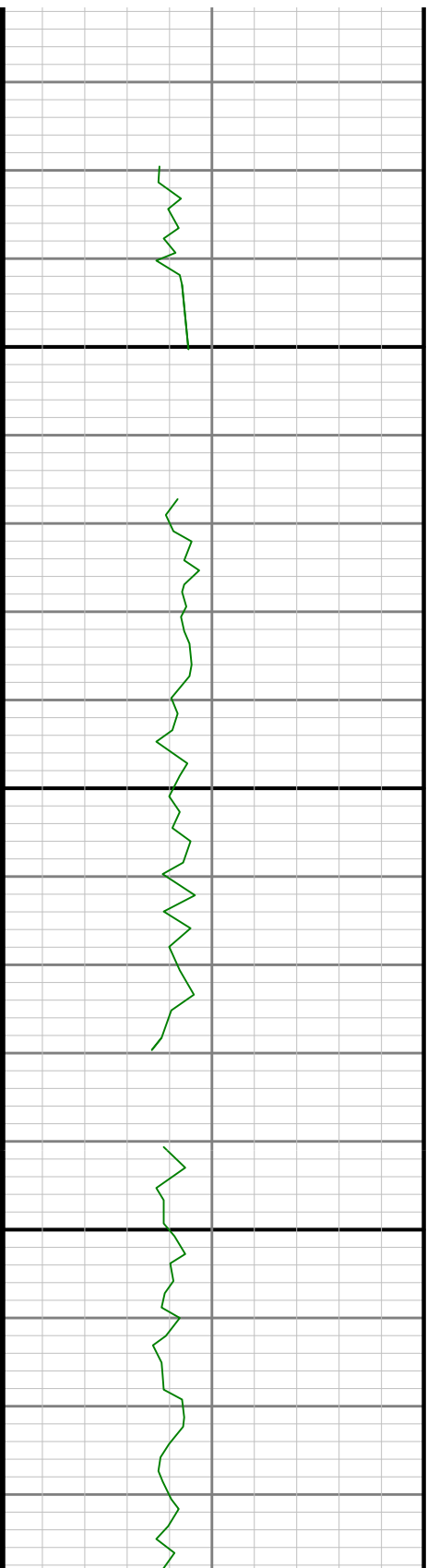




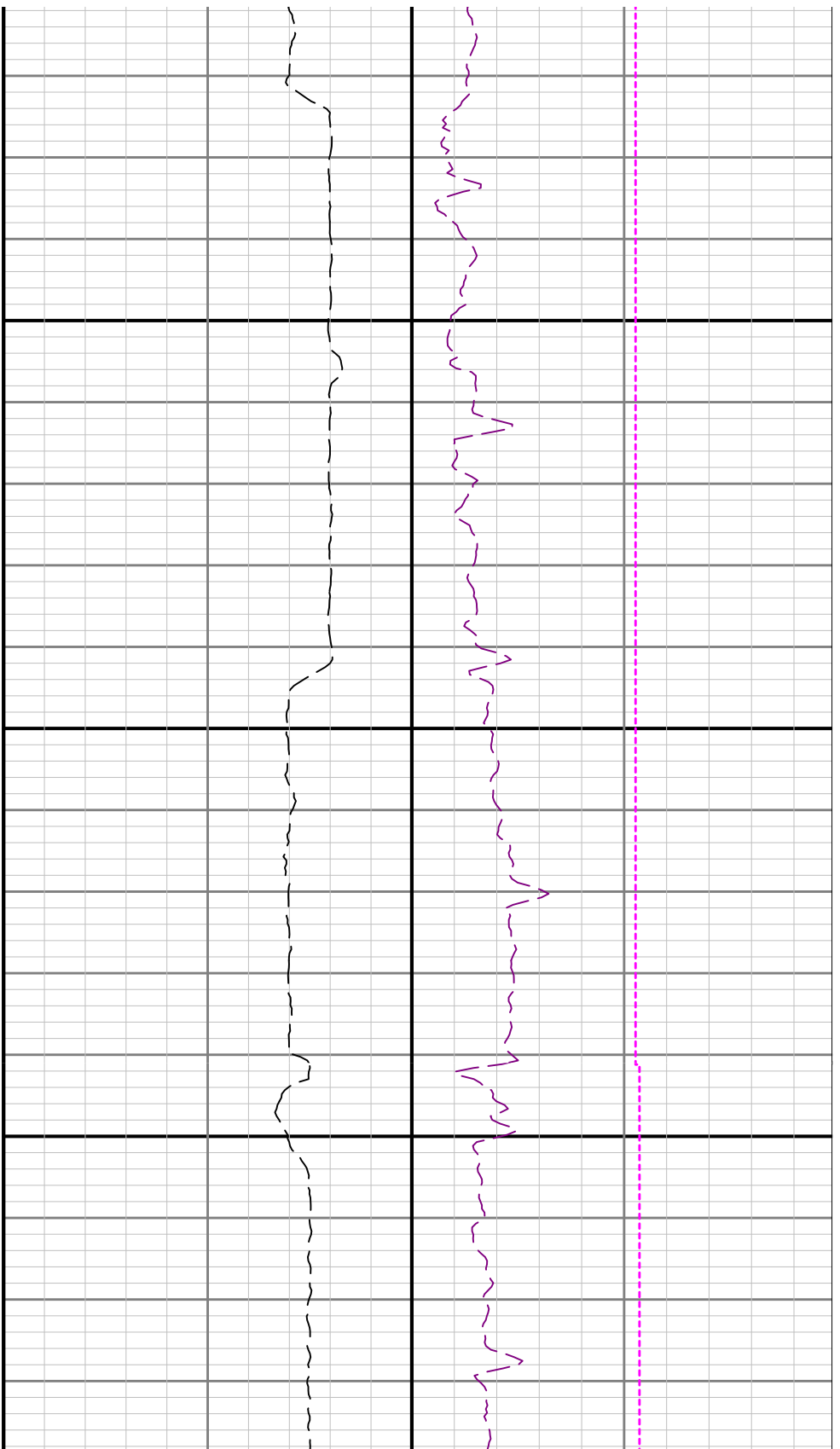
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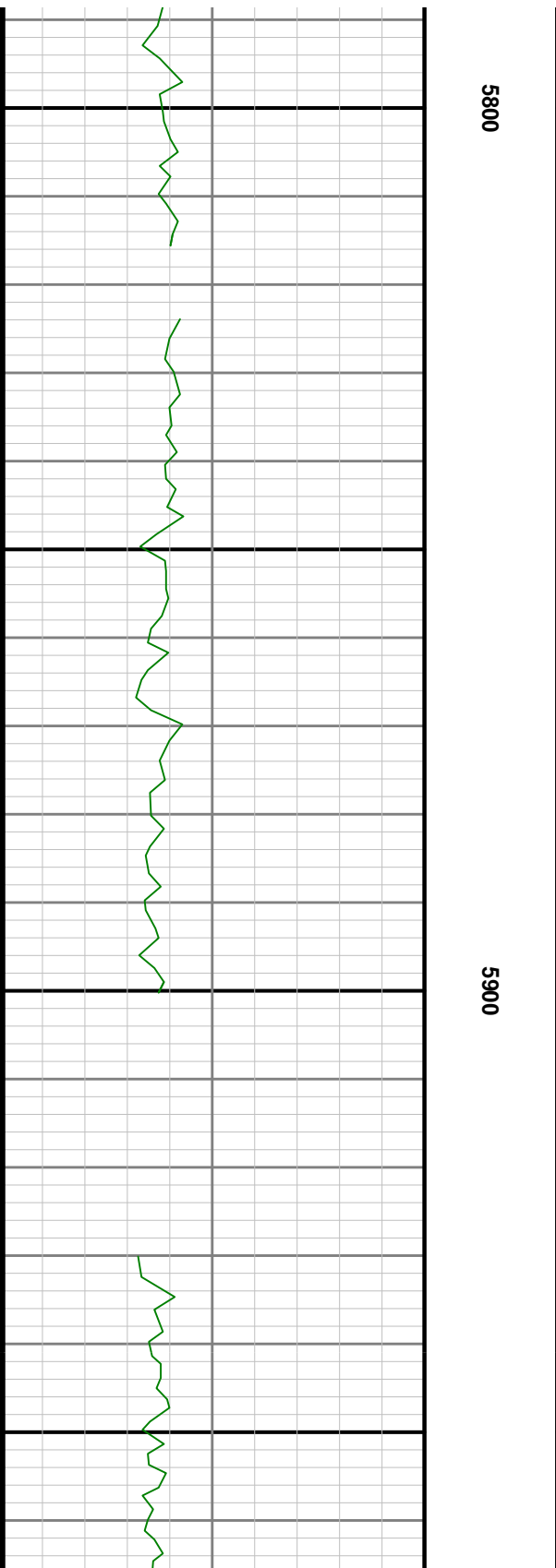
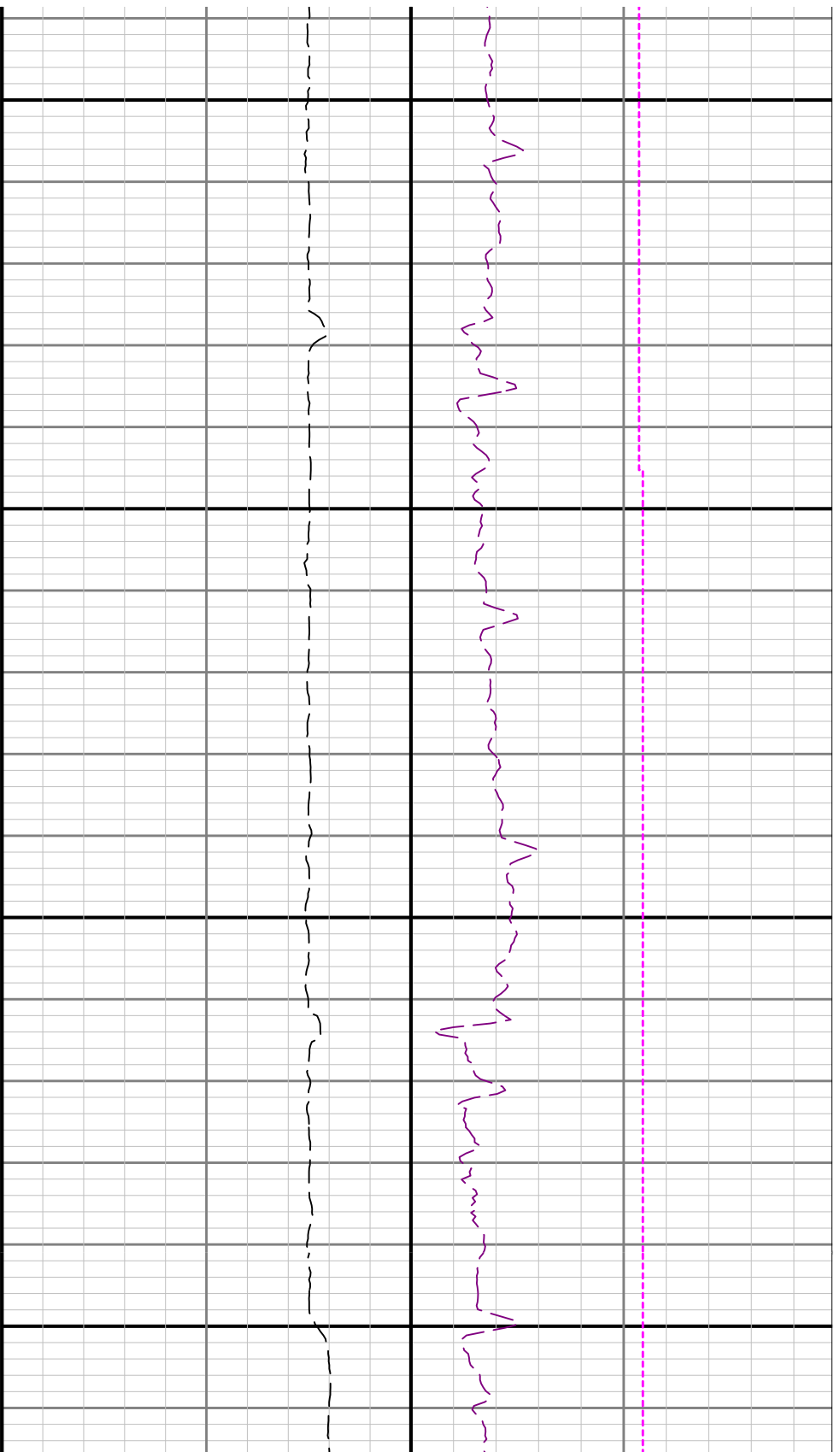
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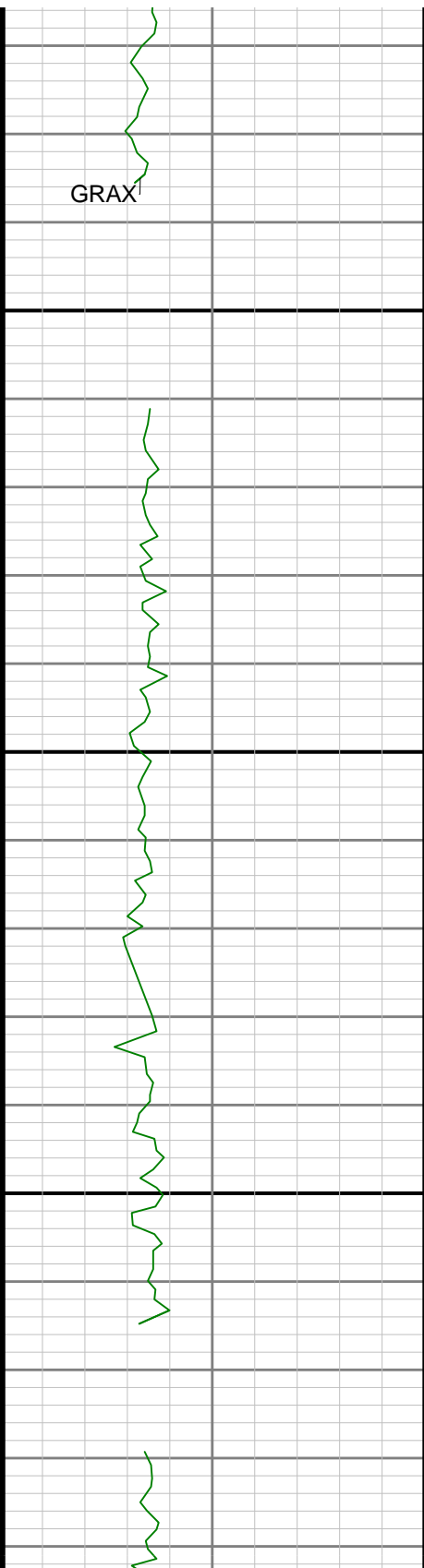




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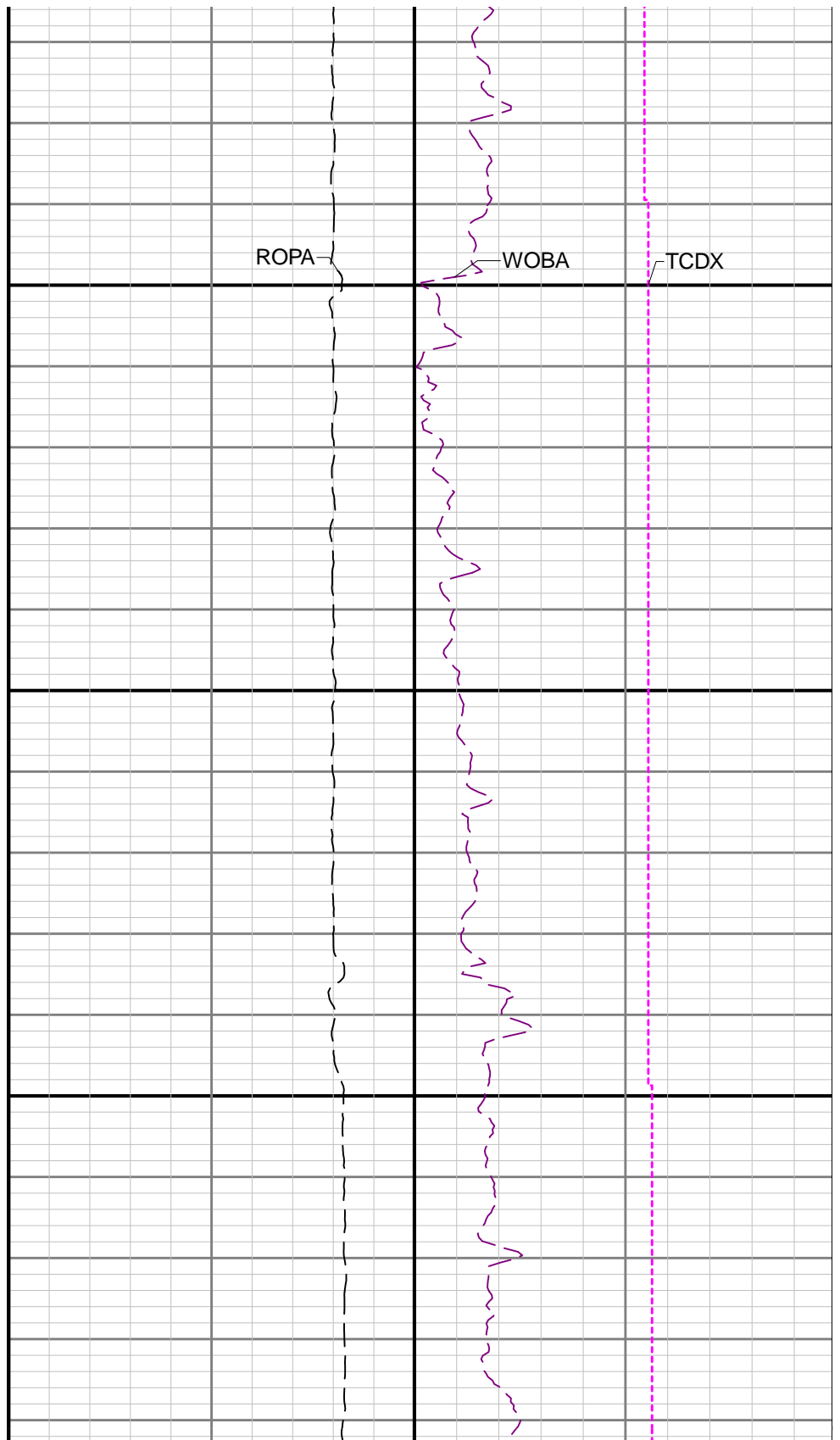


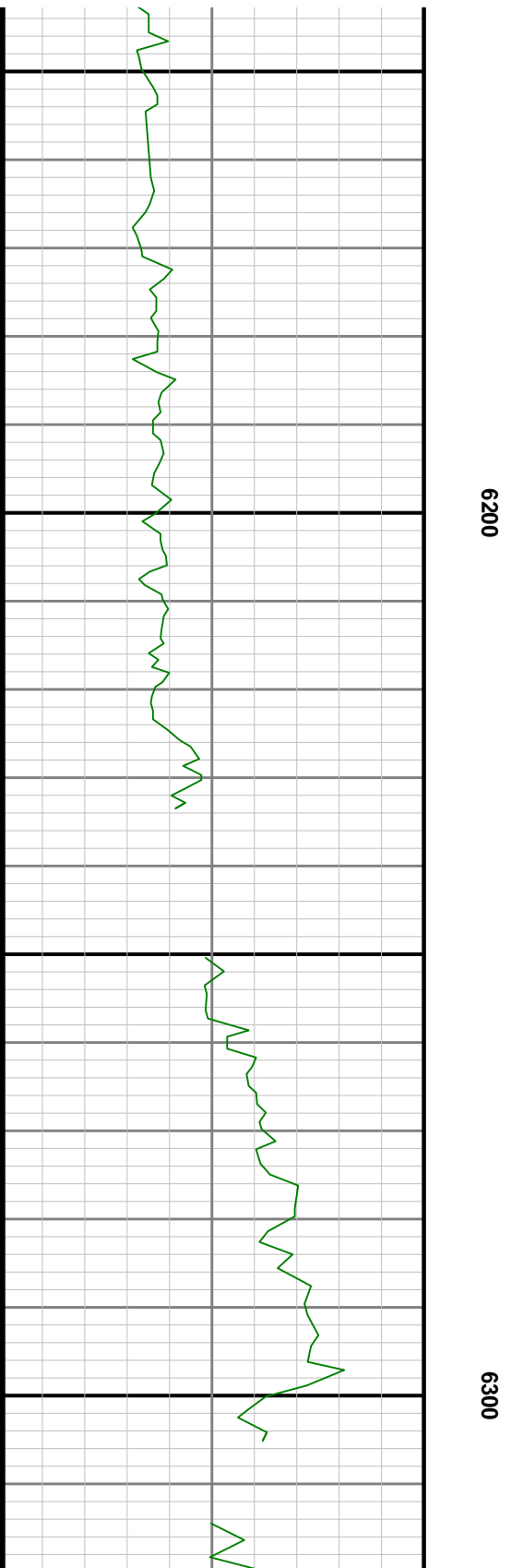
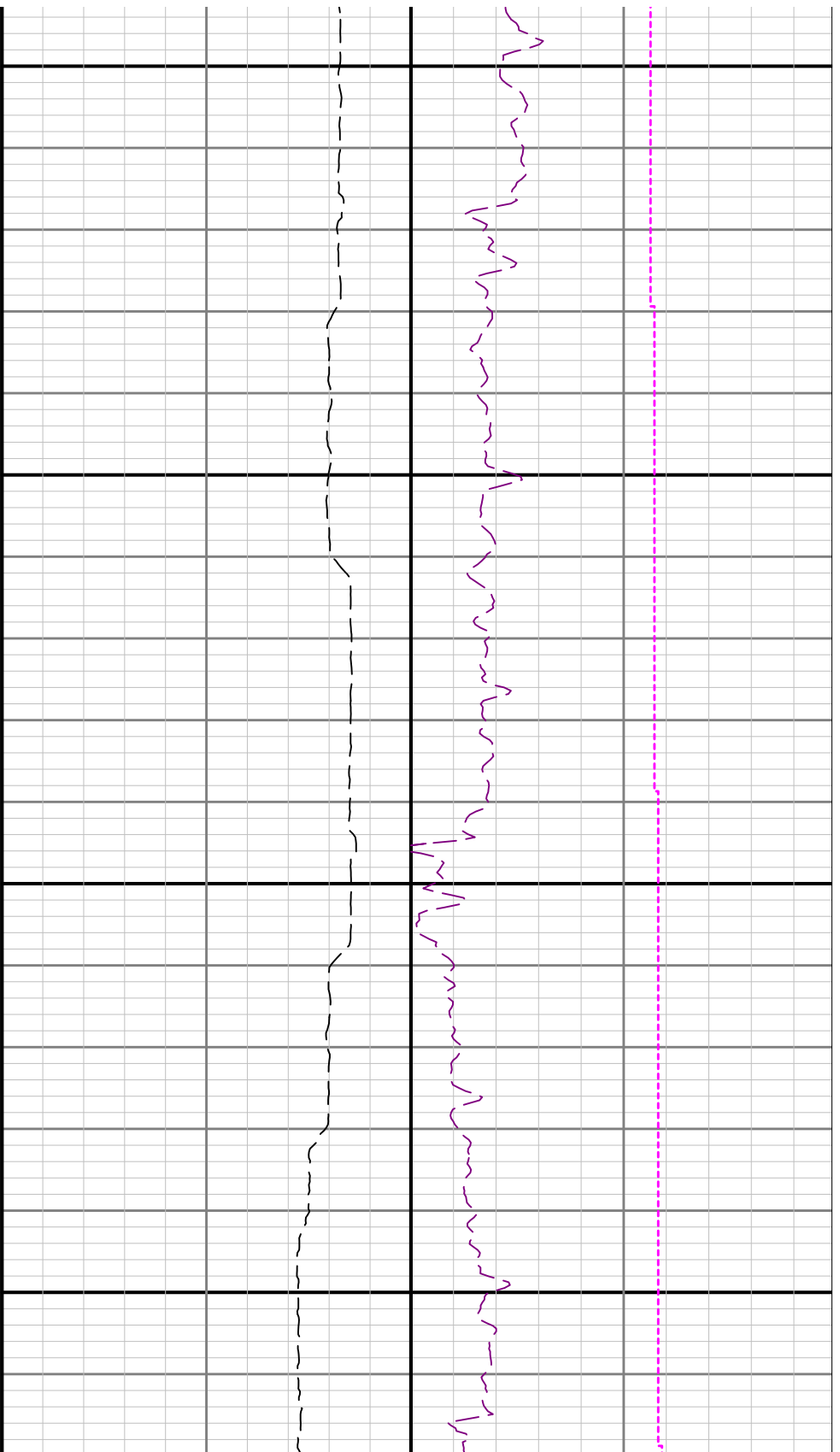


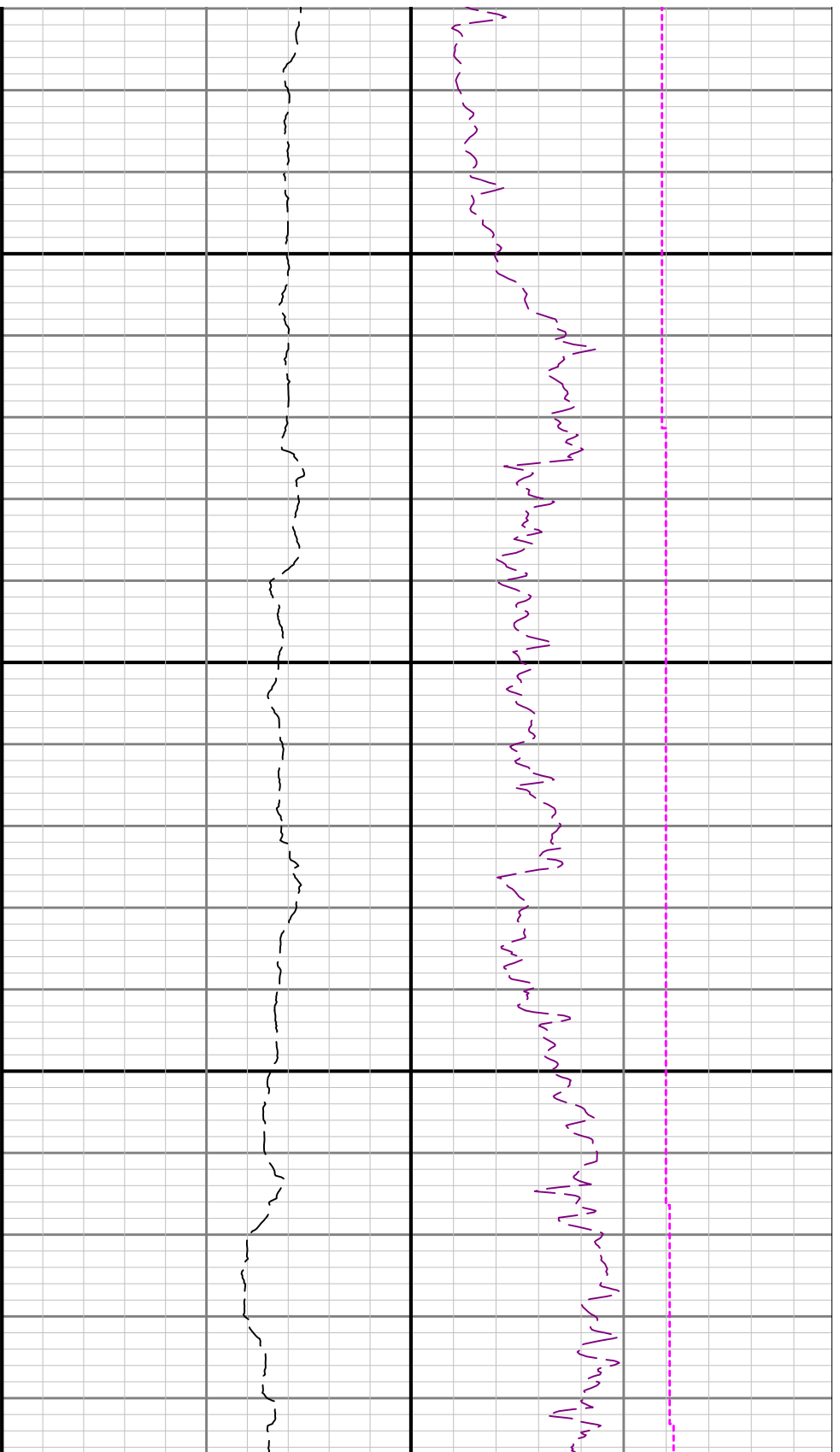


6000

6100







6400



		1121.00	0.47	103.34	N/A	0.71	2.27	1121.00	-3641.00	-2.18	95.00	0.50	0.43	92.62
		1216.00	0.23	65.40	N/A	0.69	2.83	1215.99	-3546.01	-2.73	95.00	0.34	-0.25	-40.15
		1310.00	0.13	90.20	N/A	0.77	3.10	1309.99	-3452.01	-3.00	94.00	0.13	-0.11	26.38
		1405.00	0.16	60.29	N/A	0.84	3.33	1404.99	-3357.01	-3.22	95.00	0.08	0.03	-31.48
		1500.00	0.24	59.60	N/A	1.00	3.61	1499.99	-3262.01	-3.48	95.00	0.08	0.08	-0.73
		1594.00	0.23	42.14	N/A	1.24	3.91	1593.99	-3168.01	-3.75	94.00	0.08	-0.01	-18.57
		1689.00	0.12	17.68	N/A	1.48	4.07	1688.99	-3073.01	-3.88	95.00	0.14	-0.12	-25.75
		1784.00	0.61	60.94	N/A	1.82	4.54	1783.99	-2978.01	-4.32	95.00	0.56	0.52	45.54
		1878.00	1.20	88.05	N/A	2.10	5.96	1877.98	-2884.02	-5.70	94.00	0.76	0.63	28.84
Tie-In		1926.00	1.11	76.70	N/A	2.22	6.92	1925.97	-2836.03	-6.64	48.00	0.51	-0.19	-23.65
		1980.00	0.92	56.47	101.4	2.58	7.79	1979.96	-2782.04	-7.46	54.00	0.75	-0.35	-37.46
		2075.00	2.46	357.16	104.1	5.04	8.32	2074.92	-2687.08	-7.73	95.00	2.25	1.62	-62.43
		2170.00	5.21	346.26	106.8	11.27	7.20	2169.70	-2592.30	-5.93	95.00	2.98	2.89	-11.47
		2264.00	7.72	350.33	106.8	21.64	5.12	2263.09	-2498.91	-2.74	94.00	2.71	2.67	4.33
		2359.00	9.76	347.84	112.2	35.80	2.35	2356.99	-2405.01	1.55	95.00	2.18	2.15	-2.62
		2453.00	11.48	343.50	114.9	52.56	-1.98	2449.37	-2312.63	7.67	94.00	2.02	1.83	-4.62
		2548.00	13.37	340.44	114.9	71.98	-8.34	2542.15	-2219.85	16.11	95.00	2.11	1.99	-3.22
		2642.00	14.92	338.96	387.9	93.51	-16.33	2633.29	-2128.71	26.38	94.00	1.69	1.65	-1.57
		2737.00	15.98	336.46	117.6	116.92	-25.94	2724.86	-2037.14	38.48	95.00	1.32	1.12	-2.63
		2832.00	17.77	333.95	120.3	141.93	-37.53	2815.77	-1946.23	52.71	95.00	2.03	1.88	-2.64
		2926.00	19.85	332.74	120.3	169.01	-51.14	2904.74	-1857.26	69.18	94.00	2.25	2.21	-1.29
		3021.00	21.26	330.49	123.0	198.34	-67.02	2993.69	-1768.31	88.14	95.00	1.70	1.48	-2.37
		3115.00	20.91	330.46	125.7	227.76	-83.68	3081.40	-1680.60	107.90	94.00	0.37	-0.37	-0.03
		3210.00	21.34	329.48	125.7	257.40	-100.82	3170.02	-1591.98	128.15	95.00	0.59	0.45	-1.03
		3305.00	20.50	330.09	128.4	286.71	-117.89	3258.75	-1503.25	148.31	95.00	0.91	-0.88	0.64
		3399.00	20.97	332.02	128.4	315.83	-133.99	3346.66	-1415.34	167.47	94.00	0.88	0.50	2.05
		3494.00	18.70	338.09	131.1	344.98	-147.65	3436.03	-1325.97	184.22	95.00	3.22	-2.39	6.39
		3589.00	21.33	343.84	131.1	375.72	-158.15	3525.30	-1236.70	197.98	95.00	3.45	2.77	6.05
		3683.00	21.43	337.73	131.1	408.03	-169.41	3612.84	-1149.16	212.69	94.00	2.37	0.11	-6.50
		3778.00	21.41	329.76	133.8	439.08	-184.73	3701.30	-1060.70	231.28	95.00	3.06	-0.02	-8.39
		3873.00	21.44	324.97	133.8	468.28	-203.43	3789.74	-972.26	253.04	95.00	1.84	0.03	-5.04
		3967.00	21.84	322.91	136.5	496.29	-223.83	3877.11	-884.89	276.37	94.00	0.91	0.43	-2.19
		4062.00	22.30	326.82	136.5	525.48	-244.35	3965.16	-796.84	299.94	95.00	1.62	0.48	4.12
		4157.00	22.02	331.45	139.2	556.21	-262.73	4053.15	-708.85	321.54	95.00	1.86	-0.29	4.87
		4346.00	21.49	344.03	136.5	620.65	-289.20	4228.78	-533.22	354.85	189.00	2.48	-0.28	6.66
		4441.00	22.21	346.70	139.2	654.85	-298.12	4316.96	-445.04	367.43	95.00	1.29	0.76	2.81
		4535.00	22.36	349.11	141.9	689.70	-305.59	4403.94	-358.06	378.63	94.00	0.99	0.16	2.56
		4630.00	22.79	351.71	141.9	725.65	-311.65	4491.66	-270.34	388.56	95.00	1.14	0.45	2.74
		4725.00	22.70	350.97	144.6	761.96	-317.18	4579.27	-182.73	398.00	95.00	0.32	-0.09	-0.78
		4819.00	22.85	348.59	144.6	797.77	-323.64	4665.95	-96.05	408.30	94.00	0.99	0.16	-2.53
		4914.00	22.53	345.68	147.3	833.49	-331.79	4753.60	-8.40	420.28	95.00	1.23	-0.34	-3.06
		5009.00	22.82	342.62	147.3	868.70	-341.80	4841.26	79.26	434.05	95.00	1.28	0.31	-3.22
		5104.00	22.66	336.43	150.0	903.06	-354.62	4928.89	166.89	450.53	95.00	2.52	-0.17	-6.52
		5199.00	22.18	332.04	150.0	935.68	-370.35	5016.71	254.71	469.70	95.00	1.83	-0.51	-4.62
		5293.00	21.87	335.12	152.7	967.23	-386.03	5103.85	341.85	488.72	94.00	1.27	-0.33	3.28
		5388.00	17.96	333.53	152.7	996.41	-400.01	5193.16	431.16	505.78	95.00	4.15	-4.12	-1.67
		5483.00	20.45	339.12	152.7	1025.03	-412.46	5282.87	520.87	521.26	95.00	3.26	2.62	5.88
		5672.00	22.52	348.79	155.4	1091.41	-431.27	5458.78	696.78	547.16	189.00	2.17	1.10	5.12
		5767.00	22.58	356.57	158.1	1127.47	-435.90	5546.54	784.54	555.68	95.00	3.14	0.06	8.19
		5861.00	22.75	356.95	158.1	1163.64	-437.94	5633.28	871.28	561.64	94.00	0.24	0.18	0.40
		5956.00	24.72	348.91	160.8	1201.49	-442.74	5720.26	958.26	570.51	95.00	3.98	2.07	-8.46
		6051.00	24.61	341.19	160.8	1239.71	-452.95	5806.62	1044.62	584.80	95.00	3.39	-0.12	-8.13
		6145.00	24.72	333.69	163.5	1275.87	-467.97	5892.06	1130.06	603.66	94.00	3.33	0.12	-7.98
		6240.00	24.76	327.18	166.2	1310.40	-487.56	5978.36	1216.36	626.89	95.00	2.87	0.04	-6.85
		6335.00	25.98	309.96	166.2	1340.52	-514.33	6064.32	1302.32	656.77	95.00	7.85	1.28	-18.13
		6429.00	29.42	286.18	168.9	1360.25	-552.41	6147.78	1385.78	696.76	94.00	12.23	3.66	-25.30
		6524.00	36.37	272.62	174.3	1368.06	-603.09	6227.61	1465.61	747.99	95.00	10.62	7.32	-14.27
		6619.00	44.59	269.23	174.3	1368.90	-664.68	6299.82	1537.82	809.31	95.00	8.95	8.65	-3.57
		6714.00	52.60	273.12	179.7	1370.51	-735.84	6362.61	1600.61	880.22	95.00	8.97	8.43	4.09
		6808.00	59.83	272.46	179.7	1374.29	-813.82	6414.85	1652.85	958.15	94.00	7.71	7.69	-0.70

	6808.00	59.63	272.46	179.7	1374.29	-813.82	6414.85	1682.85	958.15	94.00	7.71	7.69	-0.70
	6903.00	68.18	270.65	179.7	1376.55	-899.10	6456.45	1694.45	1043.17	95.00	8.95	8.79	-1.91
	6998.00	74.96	271.51	182.5	1378.27	-989.16	6486.47	1724.47	1132.88	95.00	7.19	7.14	0.91
	7092.00	83.43	272.04	185.2	1381.13	-1081.36	6504.08	1742.08	1224.85	94.00	9.03	9.01	0.56
	7187.00	89.85	271.73	187.9	1384.25	-1176.10	6509.64	1747.64	1319.37	95.00	6.77	6.76	-0.33
	7282.00	90.18	270.11	190.6	1385.77	-1271.08	6509.62	1747.62	1413.96	95.00	1.74	0.35	-1.71
	7376.00	89.85	270.21	193.3	1386.03	-1365.08	6509.59	1747.59	1507.43	94.00	0.37	-0.35	0.11
	7471.00	90.00	268.86	196.0	1385.26	-1460.07	6509.72	1747.72	1601.78	95.00	1.43	0.16	-1.42
	7566.00	89.88	267.85	198.7	1382.54	-1555.03	6509.82	1747.82	1695.88	95.00	1.07	-0.13	-1.06
	7661.00	90.28	266.77	201.4	1378.08	-1649.93	6509.68	1747.68	1789.73	95.00	1.21	0.42	-1.14
	7756.00	89.88	265.57	201.4	1371.73	-1744.71	6509.55	1747.55	1883.27	95.00	1.33	-0.42	-1.26
	7850.00	90.06	266.16	196.0	1364.95	-1838.47	6509.60	1747.60	1975.74	94.00	0.66	0.19	0.63
	7945.00	88.89	265.79	196.0	1358.29	-1933.23	6510.47	1748.47	2069.21	95.00	1.29	-1.23	-0.39
	8040.00	89.72	266.36	201.4	1351.78	-2028.00	6511.62	1749.62	2162.72	95.00	1.06	0.87	0.60
	8135.00	91.32	268.67	204.1	1347.66	-2122.89	6510.76	1748.76	2256.61	95.00	2.96	1.68	2.43
	8229.00	89.29	268.66	204.1	1345.48	-2216.86	6510.26	1748.26	2349.78	94.00	2.16	-2.16	-0.01
	8324.00	89.60	268.09	204.1	1342.78	-2311.82	6511.18	1749.18	2443.89	95.00	0.68	0.33	-0.60
	8419.00	89.78	269.07	206.8	1340.43	-2406.79	6511.69	1749.69	2538.04	95.00	1.05	0.19	1.03
	8513.00	89.60	269.64	206.8	1339.37	-2500.78	6512.20	1750.20	2631.36	94.00	0.64	-0.19	0.61
	8608.00	89.72	270.08	206.8	1339.14	-2595.78	6512.77	1750.77	2725.77	95.00	0.48	0.13	0.46
	8702.00	89.72	271.38	209.5	1340.33	-2689.77	6513.23	1751.23	2819.33	94.00	1.38	0.00	1.38
	8797.00	89.85	270.14	209.5	1341.59	-2784.76	6513.58	1751.58	2913.90	95.00	1.31	0.14	-1.31
	8892.00	89.91	268.85	209.5	1340.76	-2879.75	6513.78	1751.78	3008.24	95.00	1.36	0.06	-1.36
	8986.00	90.03	269.53	212.2	1339.43	-2973.74	6513.83	1751.83	3101.53	94.00	0.73	0.13	0.72
	9081.00	89.75	269.29	212.2	1338.45	-3068.73	6514.01	1752.01	3195.86	95.00	0.39	-0.29	-0.25
	9176.00	89.69	267.58	212.2	1335.86	-3163.69	6514.48	1752.48	3289.98	95.00	1.80	-0.06	-1.80
	9270.00	89.75	267.65	209.5	1331.94	-3257.61	6514.94	1752.94	3382.92	94.00	0.10	0.06	0.07
	9365.00	89.72	268.01	209.5	1328.35	-3352.54	6515.38	1753.38	3476.90	95.00	0.38	-0.03	0.38
	9460.00	89.69	268.81	209.5	1325.71	-3447.50	6515.87	1753.87	3571.01	95.00	0.84	-0.03	0.84
	9555.00	89.78	269.70	212.2	1324.48	-3542.49	6516.30	1754.30	3665.31	95.00	0.94	0.09	0.94
	9650.00	89.97	270.05	214.9	1324.27	-3637.49	6516.51	1754.51	3759.72	95.00	0.42	0.20	0.37
	9839.00	89.82	274.94	214.9	1332.49	-3826.26	6516.86	1754.86	3948.26	189.00	2.59	-0.08	2.59
	9934.00	89.91	273.87	217.6	1339.79	-3920.97	6517.08	1755.08	4043.21	95.00	1.13	0.09	-1.13
	10029.00	89.97	273.37	220.3	1345.79	-4015.78	6517.18	1755.18	4138.11	95.00	0.53	0.06	-0.53
	10123.00	89.91	272.02	220.3	1350.21	-4109.68	6517.28	1755.28	4231.93	94.00	1.44	-0.06	-1.44
	10218.00	90.09	271.97	223.0	1353.52	-4204.62	6517.28	1755.28	4326.67	95.00	0.20	0.19	-0.05
	10313.00	89.85	270.08	223.0	1355.21	-4299.60	6517.33	1755.33	4421.28	95.00	2.01	-0.25	-1.99
	10408.00	89.97	268.18	225.7	1353.77	-4394.59	6517.48	1755.48	4515.54	95.00	2.00	0.13	-2.00
	10502.00	89.82	265.20	225.7	1348.35	-4488.42	6517.65	1755.65	4608.23	94.00	3.17	-0.16	-3.17
	10597.00	89.60	264.95	225.7	1340.19	-4583.07	6518.13	1756.13	4701.44	95.00	0.35	-0.23	-0.26
	10692.00	89.63	264.45	228.4	1331.41	-4677.66	6518.77	1756.77	4794.52	95.00	0.53	0.03	-0.53
	10787.00	89.69	264.67	228.4	1322.41	-4772.23	6519.33	1757.33	4887.55	95.00	0.24	0.06	0.23
	10881.00	89.75	264.81	228.4	1313.79	-4865.83	6519.79	1757.79	4979.67	94.00	0.16	0.06	0.15
	10976.00	89.75	264.48	225.7	1304.92	-4960.42	6520.21	1758.21	5072.73	95.00	0.35	0.00	-0.35
	11071.00	89.69	265.89	228.4	1296.95	-5055.08	6520.67	1758.67	5165.97	95.00	1.49	-0.06	1.48
	11166.00	89.48	265.87	228.4	1290.13	-5149.83	6521.36	1759.36	5259.42	95.00	0.22	-0.22	-0.02
	11260.00	89.32	264.10	231.1	1281.91	-5243.46	6522.35	1760.35	5351.61	94.00	1.89	-0.17	-1.88
	11355.00	90.09	266.77	231.1	1274.35	-5338.15	6522.83	1760.83	5444.91	95.00	2.93	0.81	2.81
	11450.00	90.25	270.31	233.8	1271.93	-5433.10	6522.55	1760.55	5539.04	95.00	3.73	0.17	3.73
	11545.00	90.06	270.52	233.8	1272.62	-5528.10	6522.30	1760.30	5633.56	95.00	0.30	-0.20	0.22
	11639.00	90.06	270.03	233.8	1273.07	-5622.10	6522.20	1760.20	5727.05	94.00	0.52	-0.00	-0.52
	11734.00	90.15	270.58	233.8	1273.57	-5717.10	6522.02	1760.02	5821.54	95.00	0.59	0.09	0.58
	11828.00	90.25	270.22	233.8	1274.23	-5811.09	6521.69	1759.69	5915.05	94.00	0.40	0.11	-0.38
	11923.00	89.82	270.34	236.5	1274.69	-5906.09	6521.64	1759.64	6009.54	95.00	0.47	-0.45	0.13
	12018.00	89.63	270.95	236.5	1275.76	-6001.08	6522.09	1760.09	6104.09	95.00	0.67	-0.20	0.64
	12206.00	89.51	268.87	231.1	1275.47	-6189.07	6523.50	1761.50	6290.93	188.00	1.11	-0.06	-1.11
	12301.00	90.12	268.66	228.4	1273.42	-6284.04	6523.81	1761.81	6385.12	95.00	0.68	0.64	-0.22
	12396.00	90.06	268.08	228.4	1270.72	-6379.01	6523.66	1761.66	6479.23	95.00	0.61	-0.06	-0.61
	12490.00	90.18	267.44	231.1	1267.05	-6472.93	6523.46	1761.46	6572.21	94.00	0.69	0.13	-0.68
	12585.00	90.00	266.72	233.8	1262.21	-6567.81	6523.32	1761.32	6666.00	95.00	0.78	-0.19	-0.76

	12585.00	90.00	266.72	233.8	1262.21	-6667.61	6523.32	1761.32	6866.00	95.00	0.78	-0.19	-0.76
	12680.00	89.94	266.89	233.8	1256.91	-6662.66	6523.37	1761.37	6759.71	95.00	0.19	-0.06	0.18
	12775.00	89.63	267.55	233.8	1252.30	-6757.55	6523.72	1761.72	6853.54	95.00	0.77	-0.33	0.69
	12869.00	89.54	269.06	233.8	1249.52	-6851.50	6524.40	1762.40	6946.64	94.00	1.61	-0.10	1.61
	12964.00	89.51	270.43	236.5	1249.10	-6946.50	6525.19	1763.19	7041.02	95.00	1.44	-0.03	1.44
	13059.00	89.48	272.45	236.5	1251.49	-7041.46	6526.03	1764.03	7135.68	95.00	2.13	-0.03	2.13
	13153.00	89.72	273.26	239.2	1256.17	-7135.34	6526.68	1764.68	7229.52	94.00	0.90	0.26	0.86
	13248.00	89.69	272.31	239.2	1260.79	-7230.22	6527.17	1765.17	7324.34	95.00	1.00	-0.03	-1.00
	13343.00	89.91	275.07	239.2	1266.90	-7325.02	6527.50	1765.50	7419.24	95.00	2.91	0.23	2.91
	13438.00	89.91	275.72	239.2	1275.83	-7419.59	6527.65	1765.65	7514.23	95.00	0.68	-0.00	0.68
	13532.00	90.09	272.87	241.9	1282.87	-7513.32	6527.65	1765.65	7608.17	94.00	3.04	0.19	-3.03
	13627.00	89.85	270.35	241.9	1285.54	-7608.27	6527.70	1765.70	7702.85	95.00	2.66	-0.25	-2.65
	13722.00	89.66	270.32	241.9	1286.09	-7703.27	6528.11	1766.11	7797.35	95.00	0.20	-0.20	-0.03
	13817.00	89.69	270.89	244.6	1287.10	-7798.27	6528.65	1766.65	7891.89	95.00	0.60	0.03	0.60
	13911.00	89.78	270.70	244.6	1288.40	-7892.26	6529.08	1767.08	7985.46	94.00	0.22	0.10	-0.20
	14006.00	90.06	270.55	244.6	1289.44	-7987.25	6529.22	1767.22	8080.01	95.00	0.33	0.29	-0.16
	14100.00	89.85	269.07	247.3	1289.13	-8081.25	6529.29	1767.29	8173.42	94.00	1.59	-0.22	-1.57
	14195.00	89.91	266.22	247.3	1285.22	-8176.16	6529.49	1767.49	8267.34	95.00	3.00	0.06	-3.00
	14290.00	90.15	266.65	247.3	1279.32	-8270.97	6529.44	1767.44	8360.96	95.00	0.52	0.25	0.45
	14384.00	89.60	267.04	247.3	1274.14	-8364.83	6529.64	1767.64	8453.70	94.00	0.72	-0.59	0.41
	14479.00	89.57	266.87	250.0	1269.10	-8459.69	6530.33	1768.33	8547.45	95.00	0.18	-0.03	-0.18
	14574.00	89.60	266.39	250.0	1263.51	-8554.52	6531.02	1769.02	8641.12	95.00	0.51	0.03	-0.51
	14669.00	89.57	268.35	250.0	1259.15	-8649.42	6531.71	1769.71	8734.98	95.00	2.06	-0.03	2.06
	14764.00	89.72	270.81	250.0	1258.46	-8744.41	6532.30	1770.30	8829.33	95.00	2.59	0.16	2.59
	14858.00	89.69	270.17	250.0	1259.26	-8838.40	6532.78	1770.78	8922.86	94.00	0.68	-0.03	-0.68
	14953.00	89.94	269.45	252.7	1258.95	-8933.40	6533.09	1771.09	9017.26	95.00	0.80	0.26	-0.76
	15048.00	89.69	270.89	250.0	1259.23	-9028.40	6533.39	1771.39	9111.73	95.00	1.54	-0.26	1.52
	15143.00	89.94	271.38	252.7	1261.11	-9123.38	6533.70	1771.70	9206.35	95.00	0.58	0.26	0.52
	15238.00	89.72	271.45	252.7	1263.45	-9218.35	6533.98	1771.98	9301.02	95.00	0.24	-0.23	0.07
	15333.00	89.75	272.16	255.4	1266.45	-9313.30	6534.42	1772.42	9395.73	95.00	0.75	0.03	0.75
	15427.00	89.88	271.73	255.4	1269.64	-9407.24	6534.73	1772.73	9489.47	94.00	0.48	0.14	-0.46
	15522.00	89.88	270.68	252.7	1271.64	-9502.22	6534.93	1772.93	9584.10	95.00	1.11	-0.00	-1.11
	15617.00	89.69	269.51	250.0	1271.79	-9597.22	6535.28	1773.28	9678.55	95.00	1.25	-0.20	-1.23
	15712.00	89.54	268.58	255.4	1270.21	-9692.20	6535.92	1773.92	9772.80	95.00	0.99	-0.16	-0.98
	15806.00	89.82	269.40	255.4	1268.55	-9786.18	6536.45	1774.45	9866.05	94.00	0.92	0.30	0.87
	15901.00	89.69	272.50	258.1	1270.13	-9881.16	6536.85	1774.85	9960.64	95.00	3.27	-0.14	3.26
	15996.00	89.57	271.80	255.4	1273.69	-9976.09	6537.46	1775.46	10055.39	95.00	0.75	-0.13	-0.74
	16091.00	89.57	266.46	258.1	1272.25	-10071.04	6538.18	1776.18	10149.63	95.00	5.62	-0.00	-5.62
	16186.00	89.57	262.69	258.1	1263.27	-10165.60	6538.89	1776.89	10242.65	95.00	3.97	0.00	-3.97
	16280.00	89.51	263.40	258.1	1251.89	-10258.90	6539.65	1777.65	10334.17	94.00	0.76	-0.06	0.76
	16375.00	89.48	266.34	258.1	1243.39	-10353.51	6540.48	1778.48	10427.29	95.00	3.09	-0.03	3.09
	16469.00	89.57	266.89	258.1	1237.84	-10447.34	6541.26	1779.26	10519.97	94.00	0.59	0.10	0.59
	16564.00	89.69	268.24	260.8	1233.81	-10542.25	6541.88	1779.88	10613.88	95.00	1.43	0.13	1.42
	16659.00	89.91	270.63	255.4	1232.87	-10637.24	6542.21	1780.21	10708.21	95.00	2.53	0.23	2.52
	16753.00	89.69	269.55	258.1	1233.02	-10731.23	6542.54	1780.54	10801.67	94.00	1.17	-0.23	-1.15
	16848.00	89.82	268.37	260.8	1231.29	-10826.22	6542.94	1780.94	10895.90	95.00	1.25	0.14	-1.24
	16942.00	89.97	268.65	260.8	1228.85	-10920.18	6543.11	1781.11	10989.05	94.00	0.34	0.16	0.30
	17037.00	89.38	266.05	260.8	1224.46	-11015.07	6543.65	1781.65	11082.90	95.00	2.81	-0.62	-2.74
	17132.00	89.69	267.03	260.8	1218.73	-11109.89	6544.42	1782.42	11176.54	95.00	1.08	0.33	1.03
Projection	17177.00	89.69	267.03	N/A	1216.39	-11154.83	6544.67	1782.67	11220.96	45.00	0.00	-0.01	-0.00