

	Website	Website		Website	Website		Website	Website
Tien Bui	2019-11-23	2019-11-25	Andrew Hays	2019-11-25	2019-11-27			

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+ (%)
2019-11-23 16:51	1	1932.00	Oil Based Mud	9.2	10	N/A	19.5	76.8/23.2	Active Pit	30000	0.00
2019-11-25 07:07	1	6260.00	Oil Based Mud	9.1	11	N/A	17.6	78/22	Active Pit	33000	0.00
2019-11-26 16:00	1	15267.00	Oil Based Mud	9.7	14	N/A	17.2	68.3/19	Active Pit	29000	0.00
2019-11-27 05:00	1	17224.00	Oil Based Mud	9.6	16	N/A	17.8	67.5/20	Active Pit	29000	0.00

Mud Resistivity Record

Date / Time	Run No.	Depth (ft)	Surface Temp (degF)	Surface			BHCT (degF)	Downhole		
				Rm (ohm.m)	Rmf (ohm.m)	Rmc (ohm.m)		Rm @ BHCT (ohm.m)	Rmf @ BHCT (ohm.m)	Rmc @ BHCT (ohm.m)
2019-11-25 16:00	1	1932.00	98.0	100.000	N/A	N/A	225.0	100.000	N/A	N/A

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	14921839	Near Bit Inclination	5.93	6.78	7.000	4.330
1	AutoTrak Curve Steering Unit	14921839	Near Bit VSS	5.93	6.78	7.000	4.330
1	AutoTrak Curve MWD	14219765	Gamma (single)	2.76	12.95	6.938	3.250
1	AutoTrak Curve MWD	14219765	Directional (mag)	12.27	22.46	6.938	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
BCPM	BCPM	Bi-Directional Communication and Power Module, OnTrak Platform

Comments

1	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD Run 1 utilized a 6.75 inch AutoTrak Curve service (Directional and Gamma Ray) behind an 8.5 inch bit and rotary steerable assembly from 1932 to 17224 feet MD (1932 to 6725 feet TVD).
3	The Gamma Ray Apparent (GRAM) is presented 0 to 300 API, as per the customers request.
4	Several gaps appear in the log due to drilling ahead before the assembly had time to properly power on.

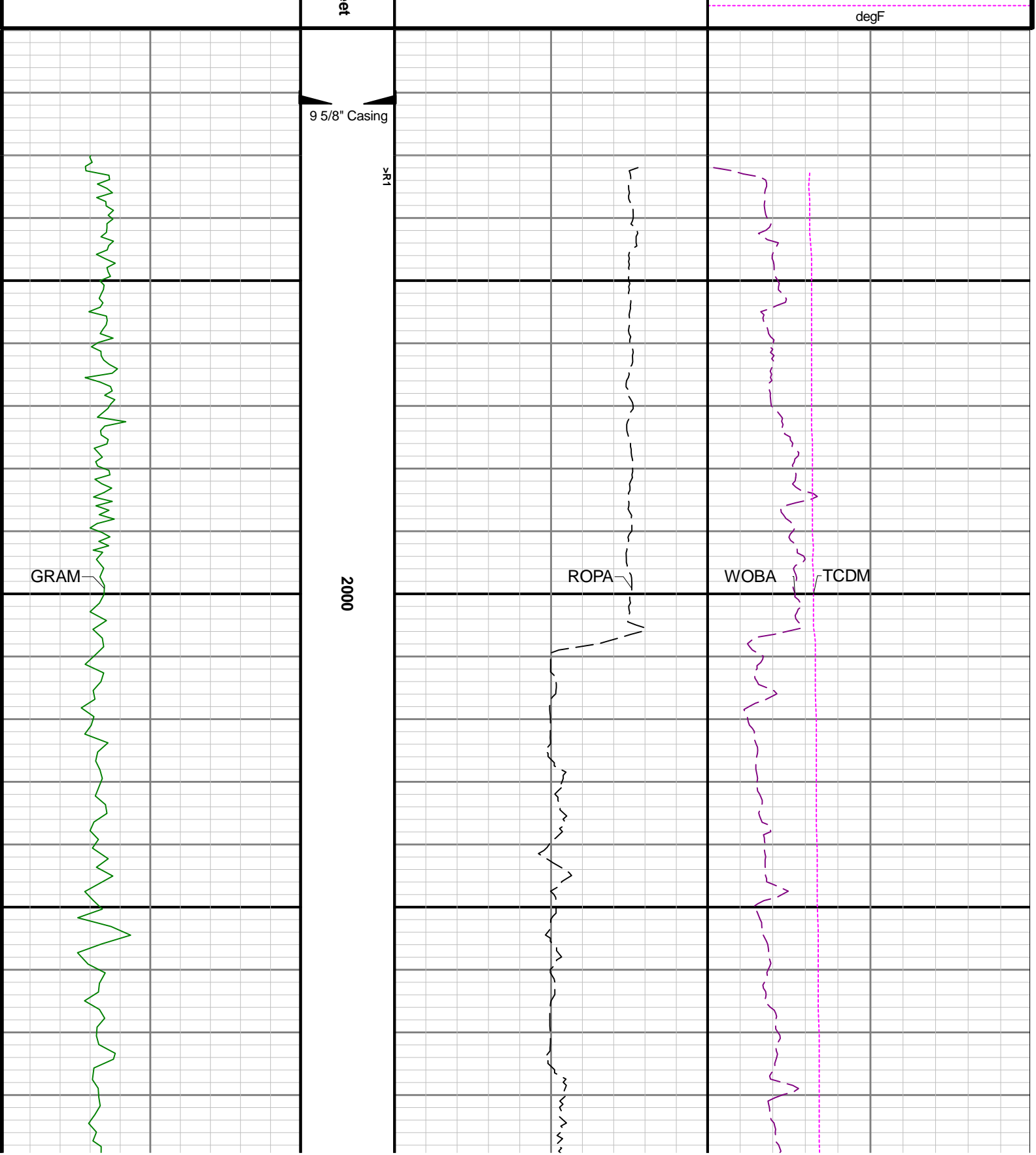
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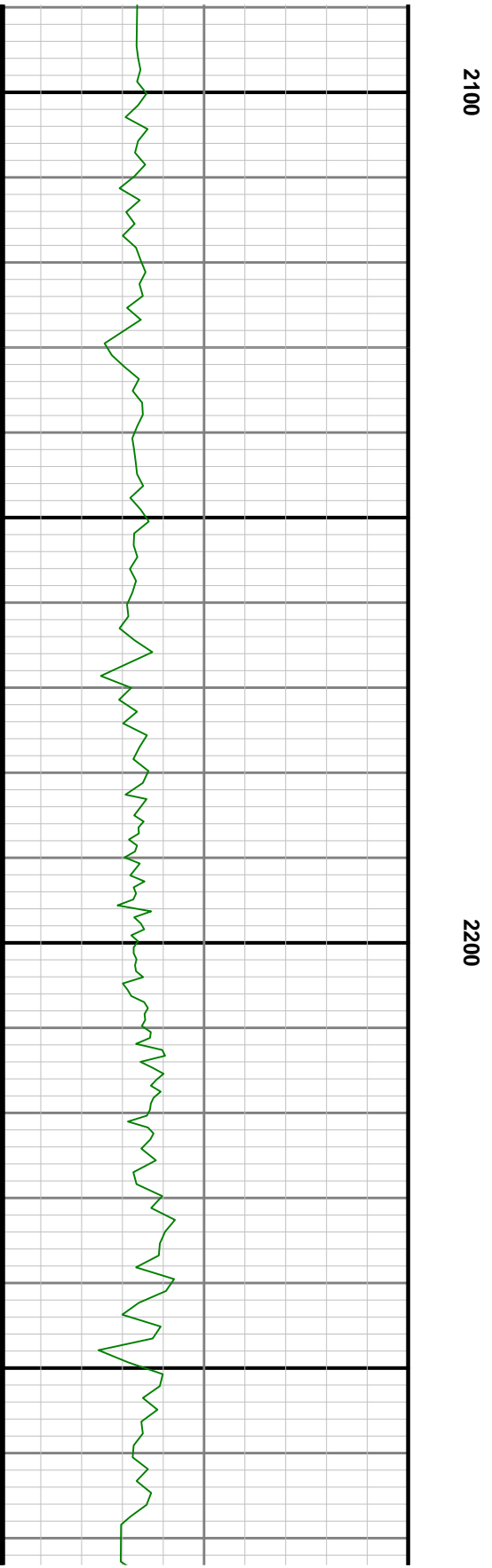
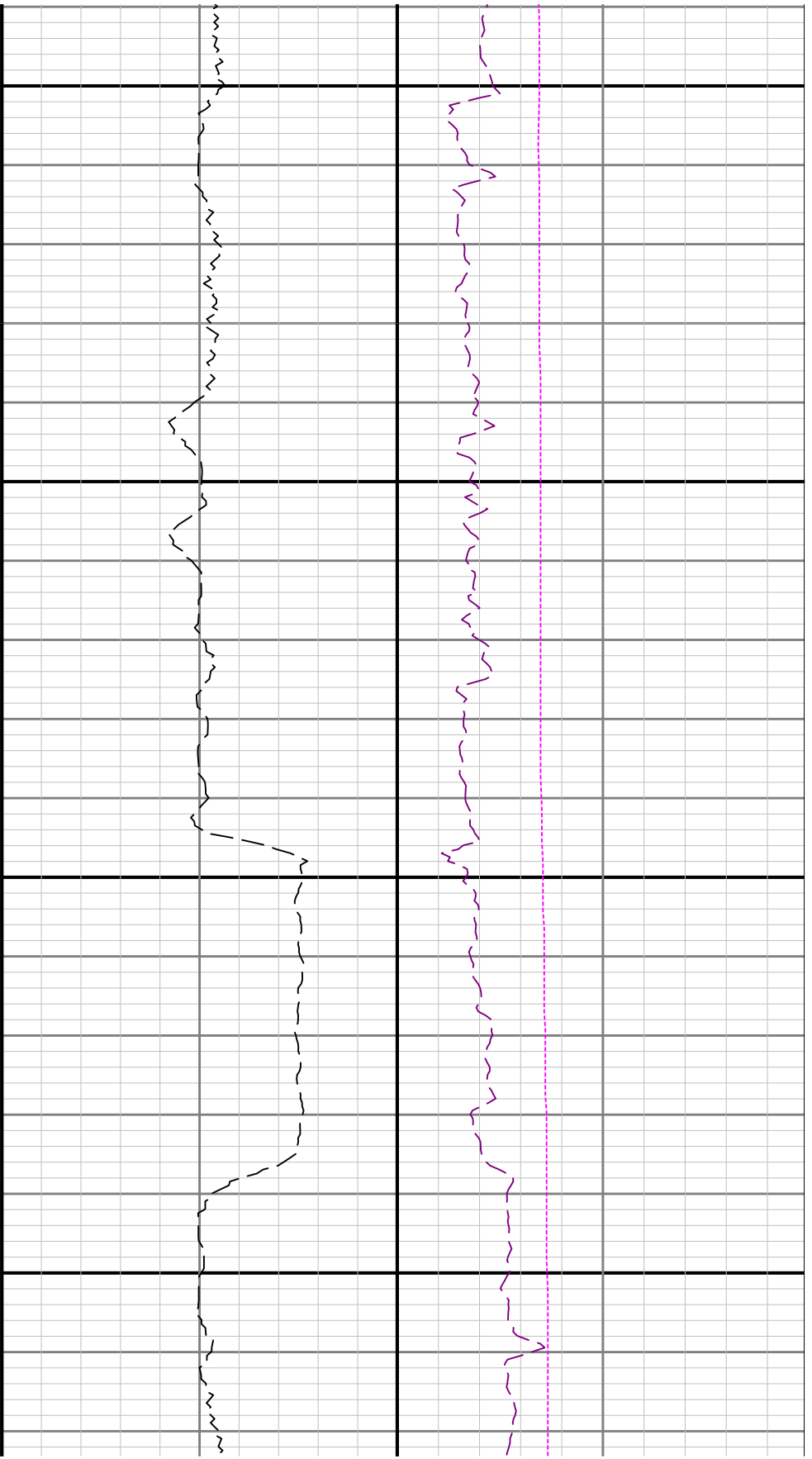
Number	Depth (ft)	Hole Section (in)	Run No.	Remark
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Curve Mnemonics

Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAM	Gamma Ray - Apparent - Memory 0.5 ft Average	API
TCDM	Directional Real-Time Survey Temperature	degF

Gamma Ray - Apparent 0.5 ft Average GRAM 0300	TVD 1:240 feet	Depth Averaged ROP 3 ft Average ROPA 10000	Weight On Bit, Average 1 ft Average WOBA 050
API		ft/h	klb
			Downhole Temperature TCDM 0300

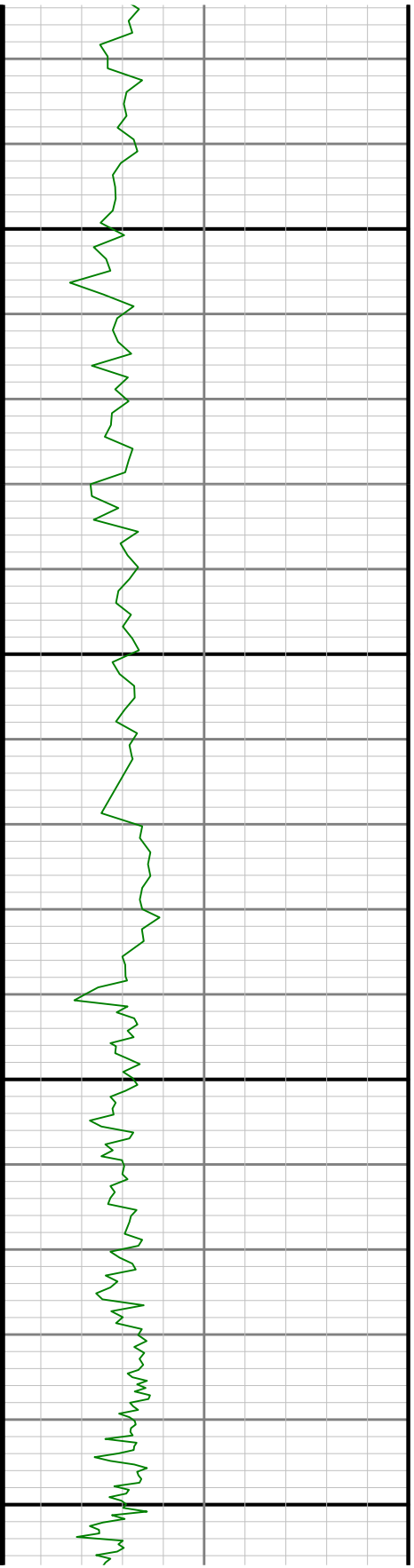


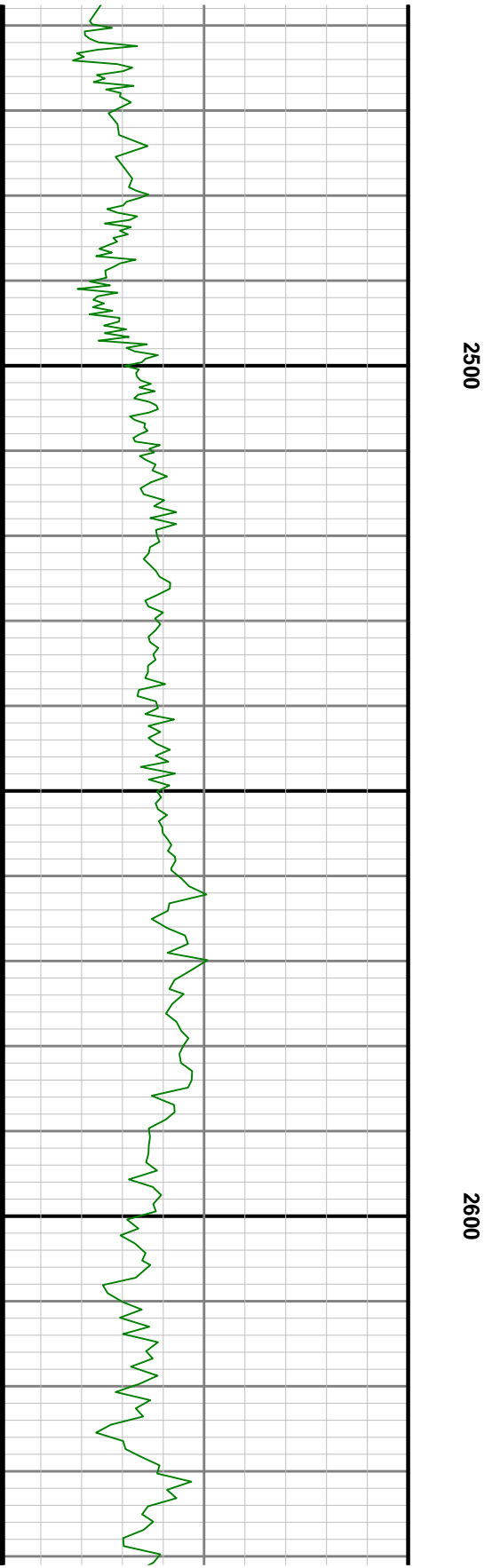
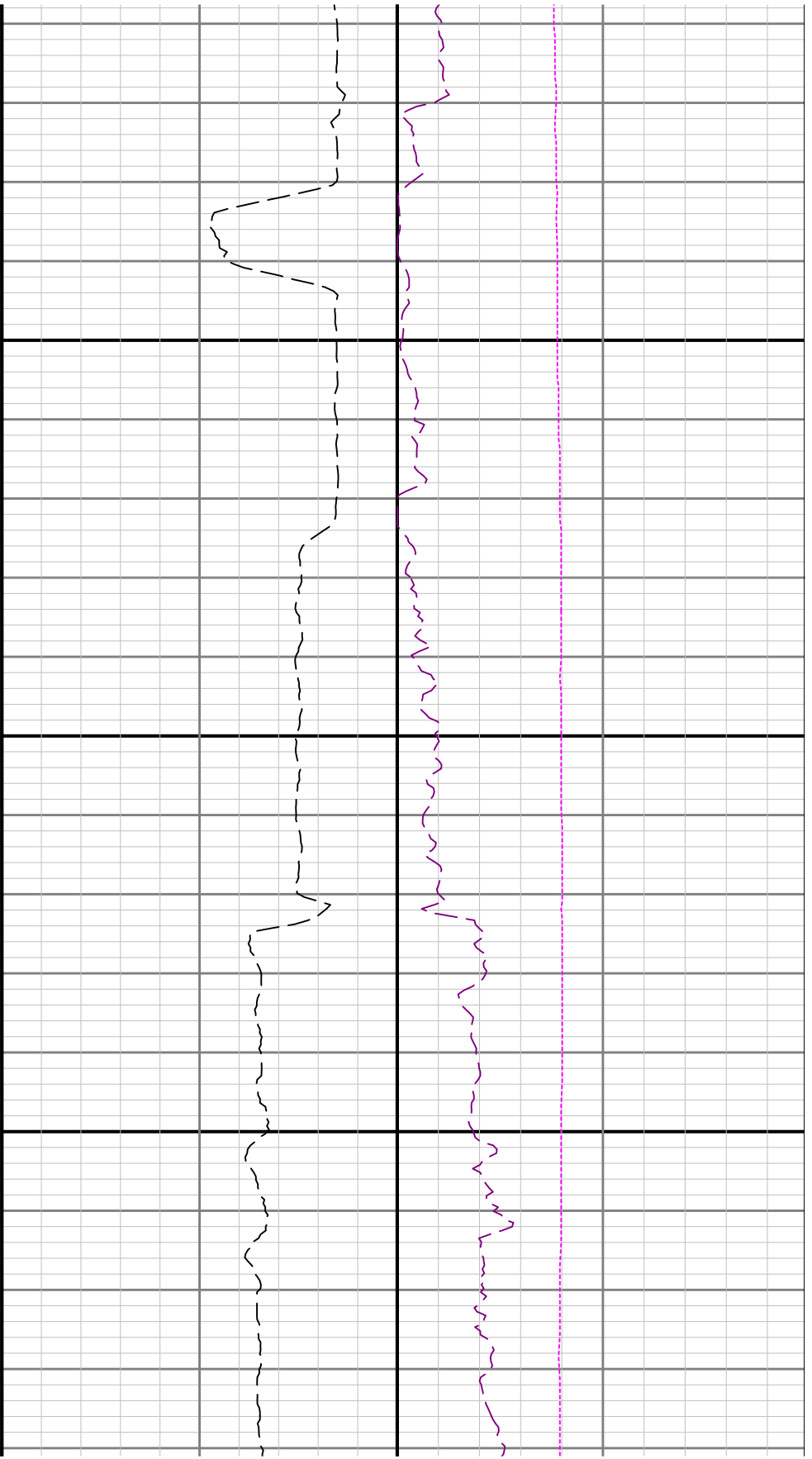


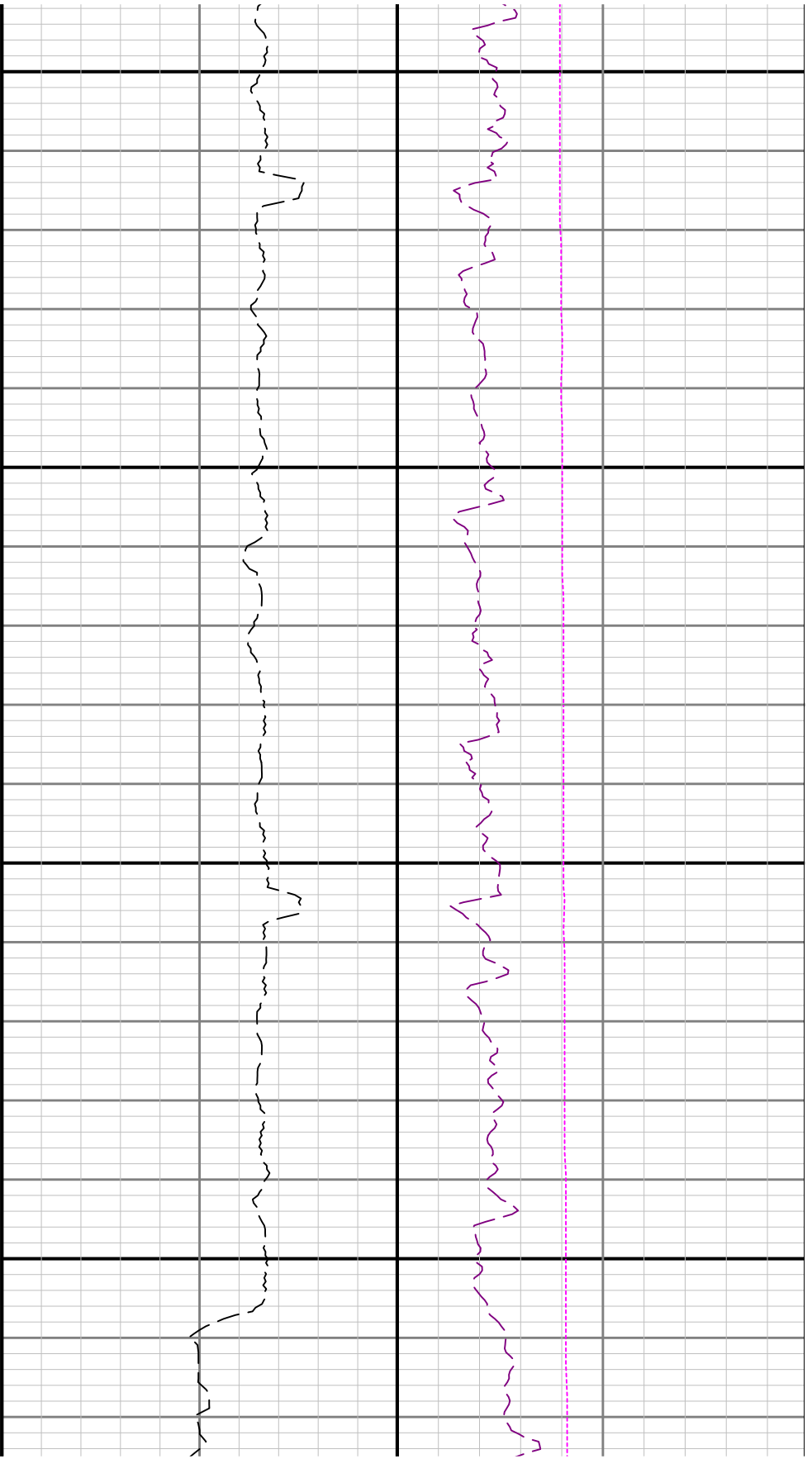


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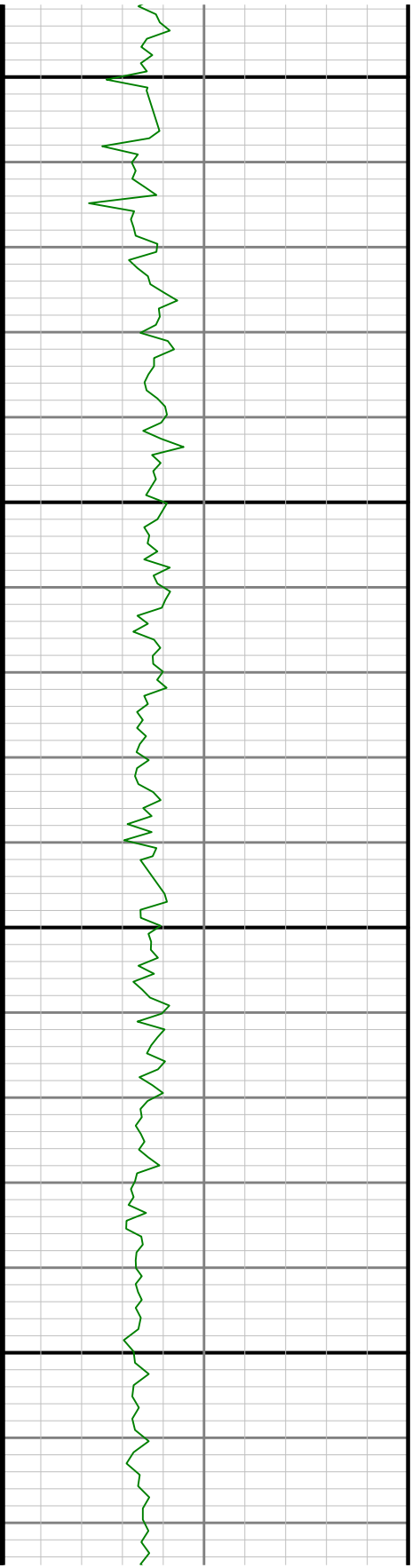


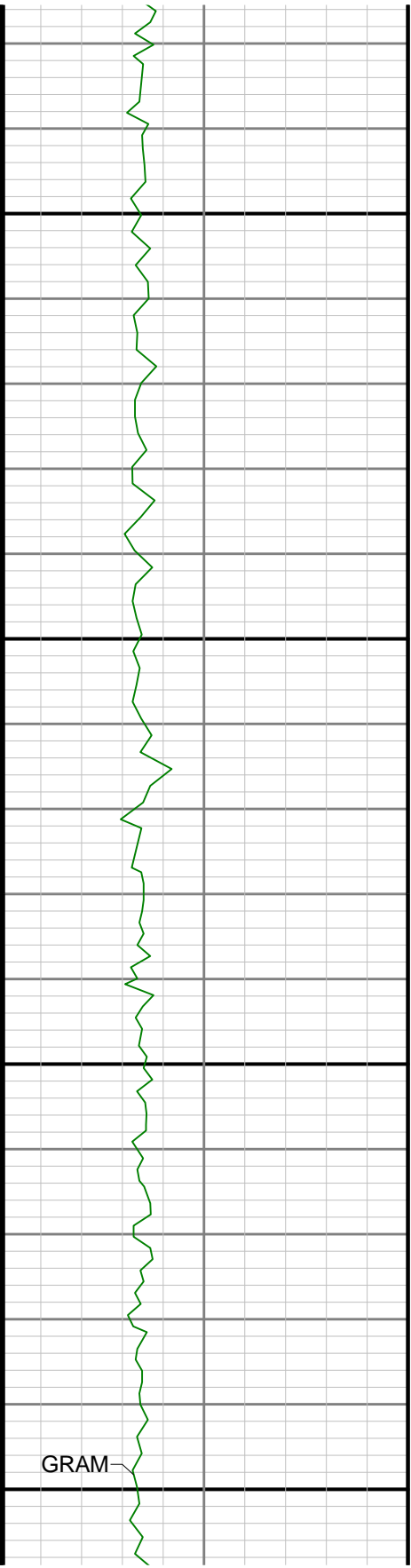




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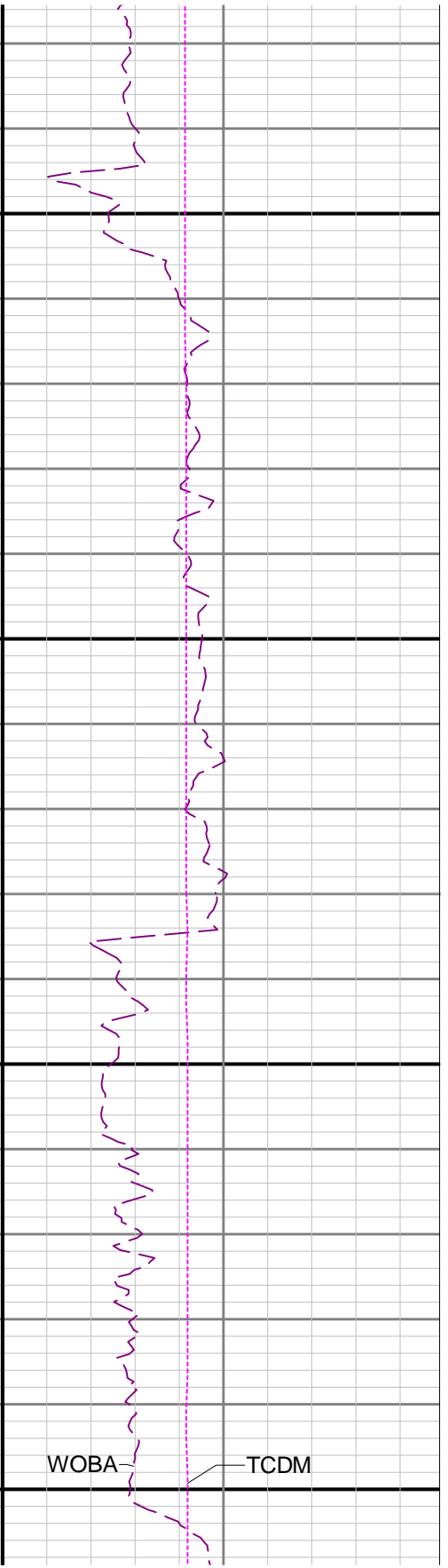
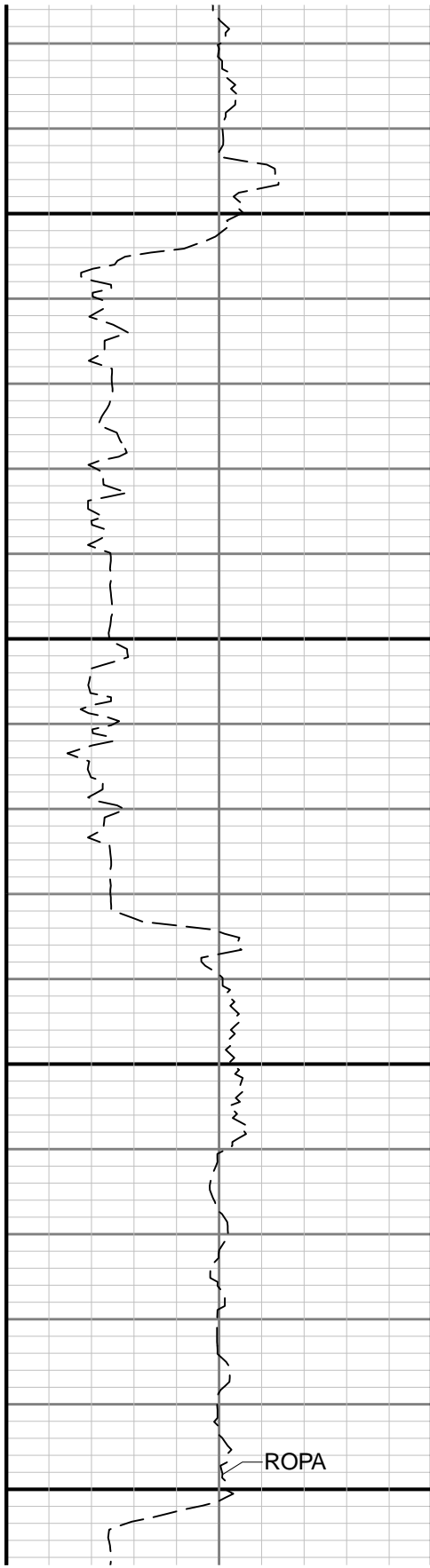
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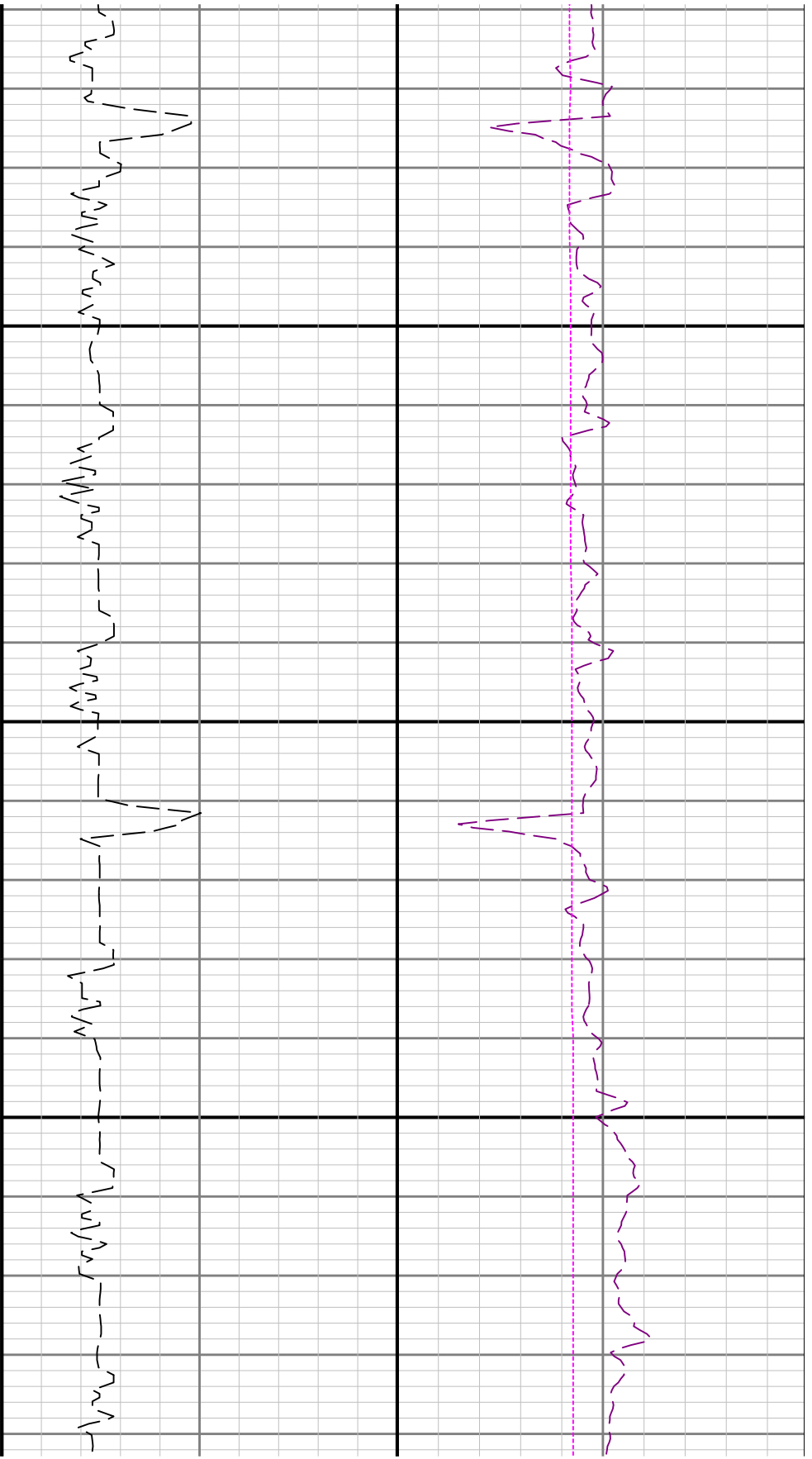




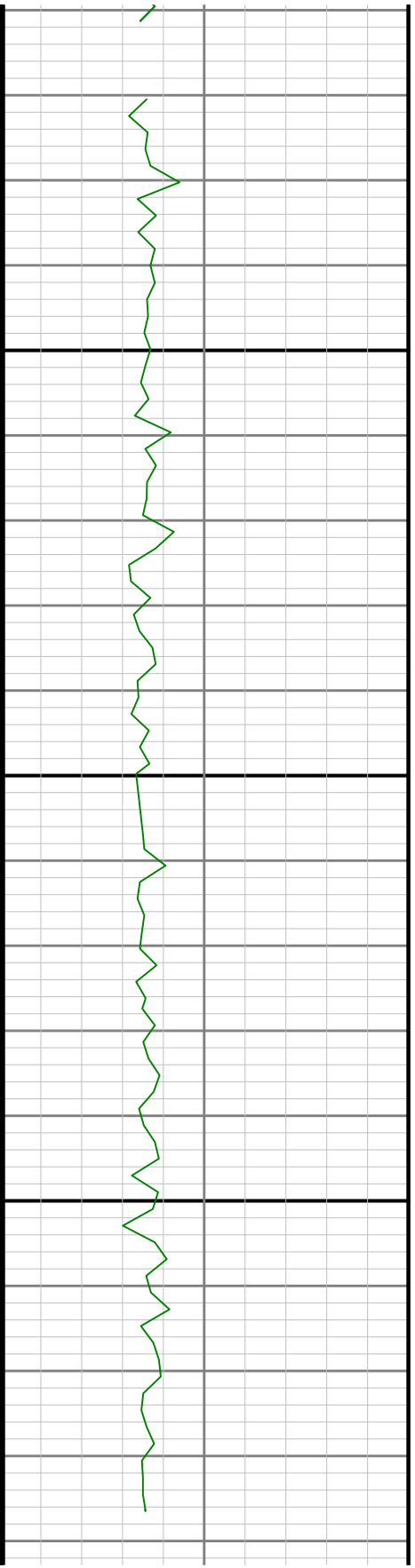
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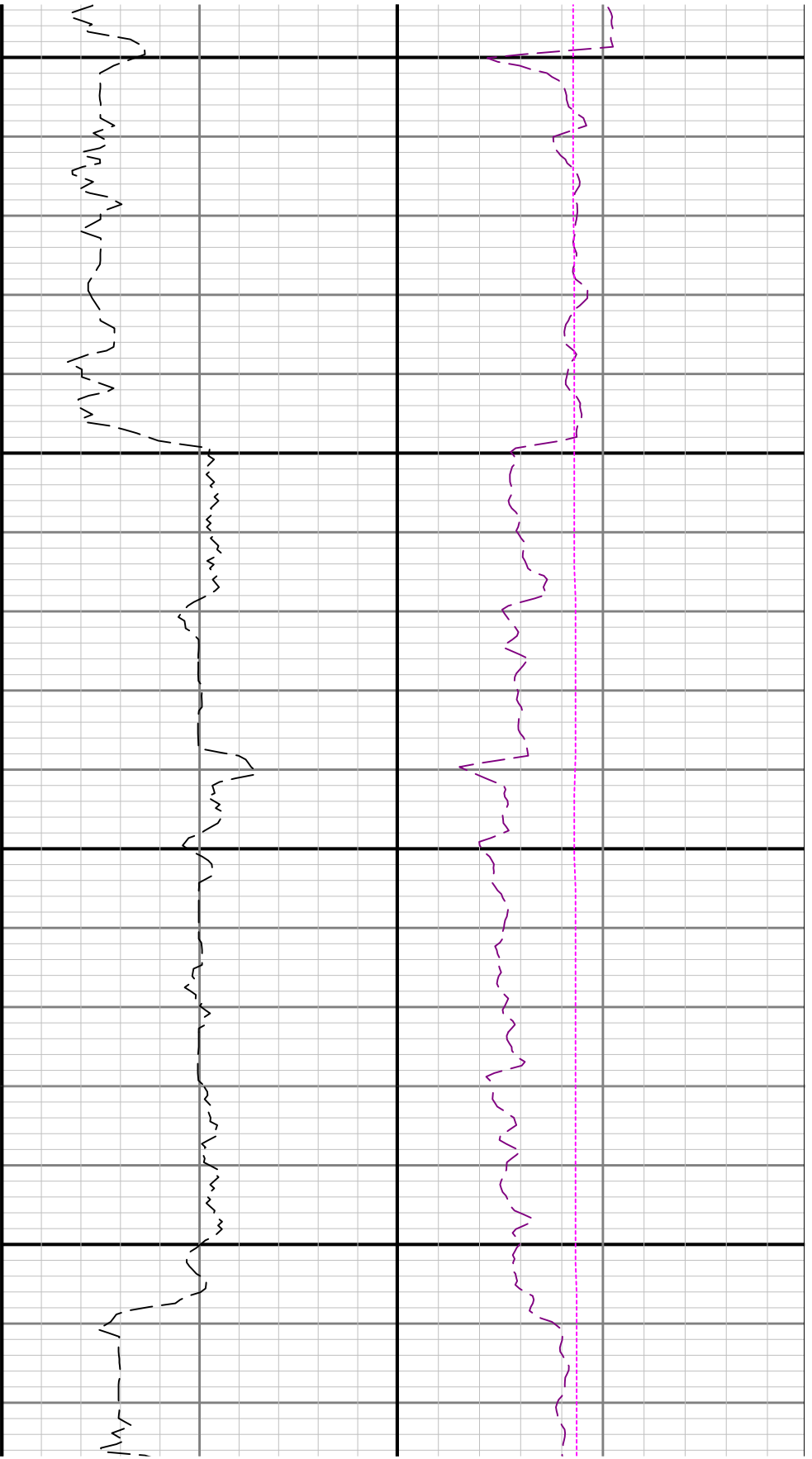
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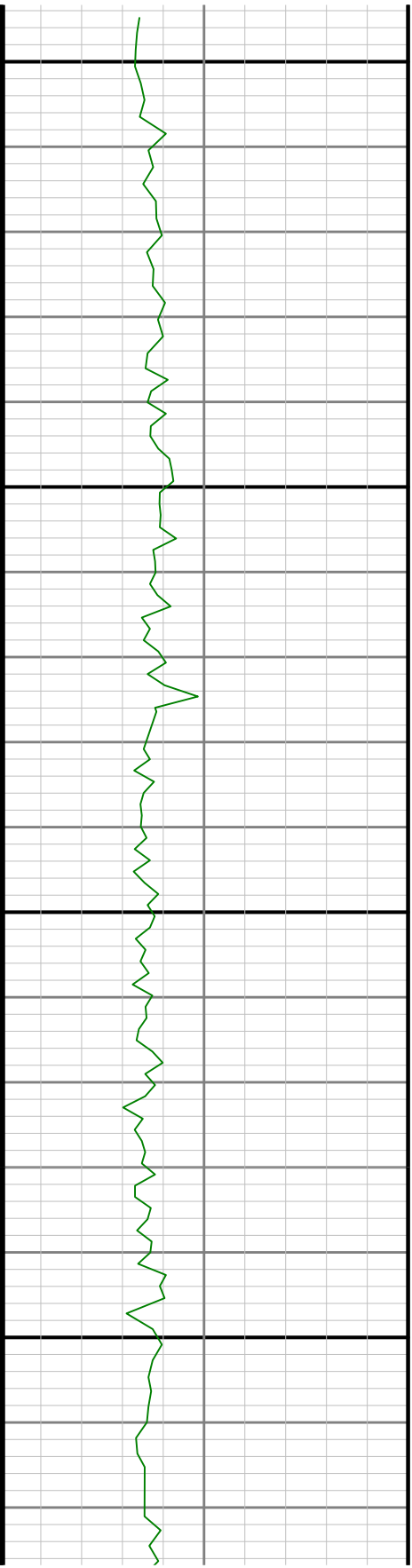
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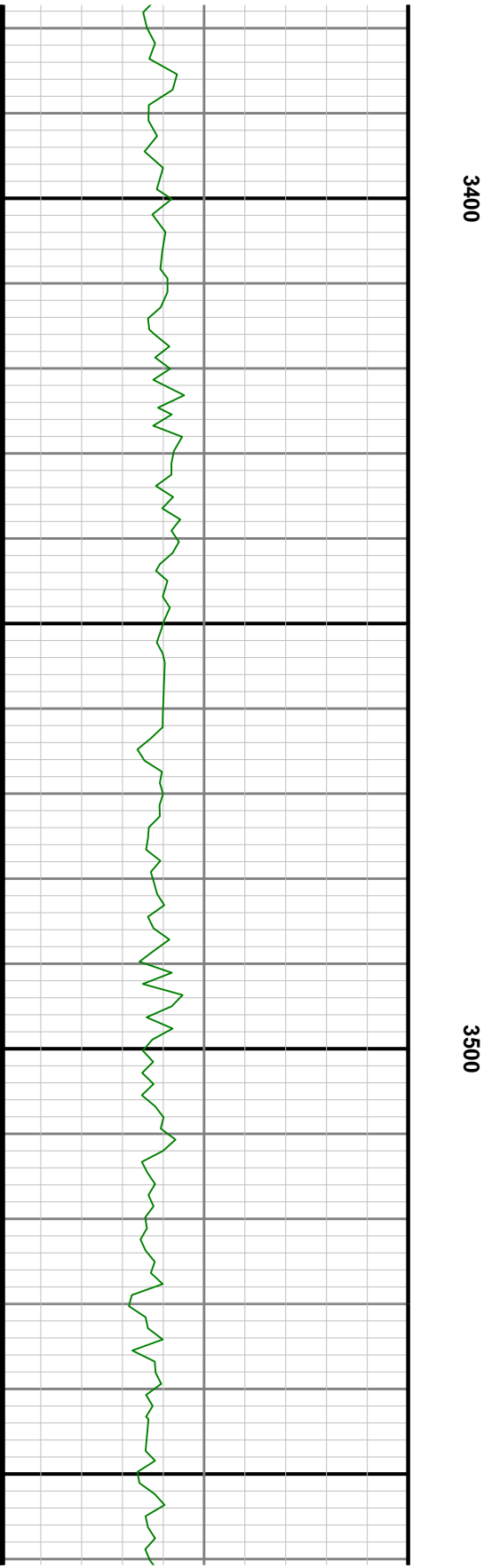
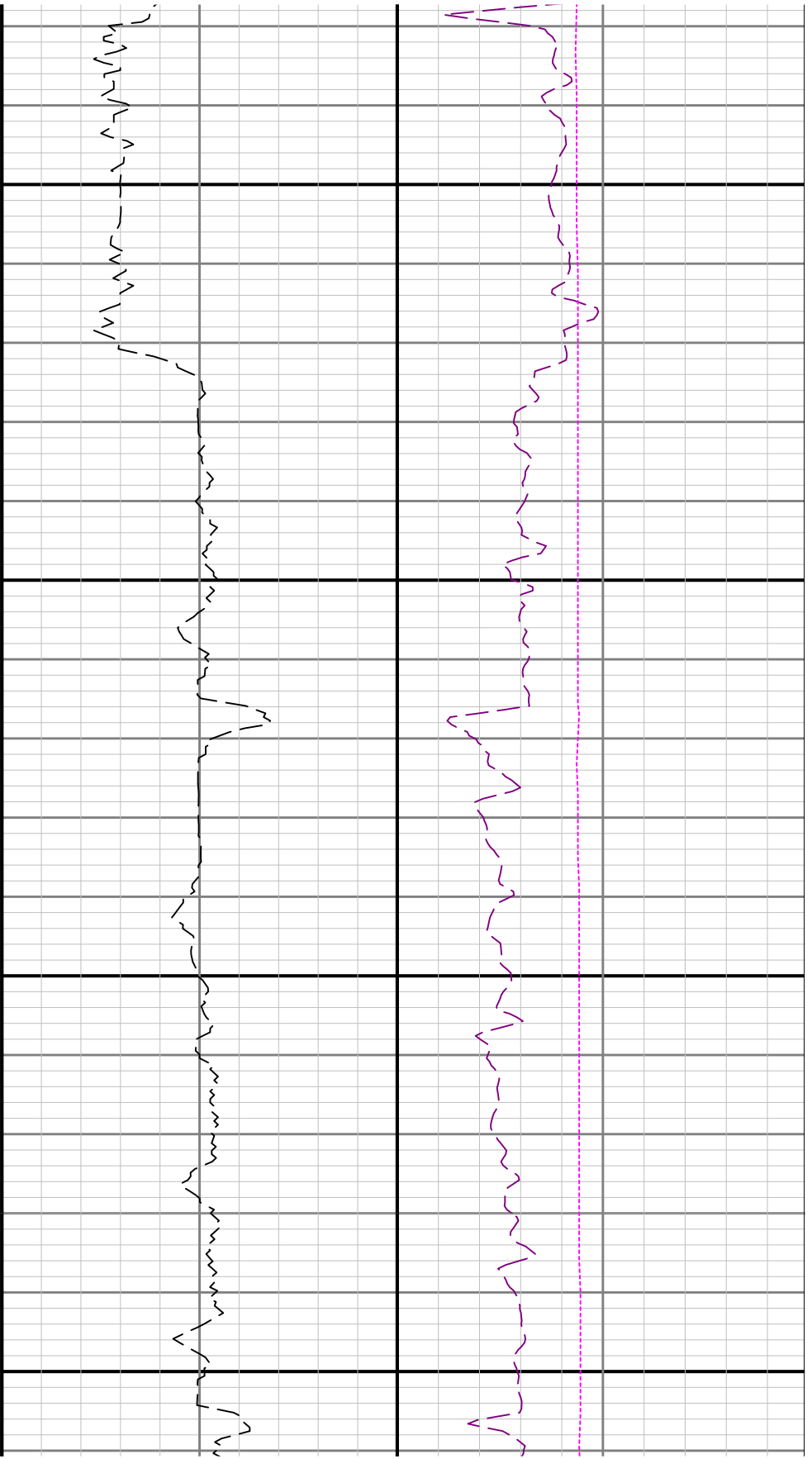


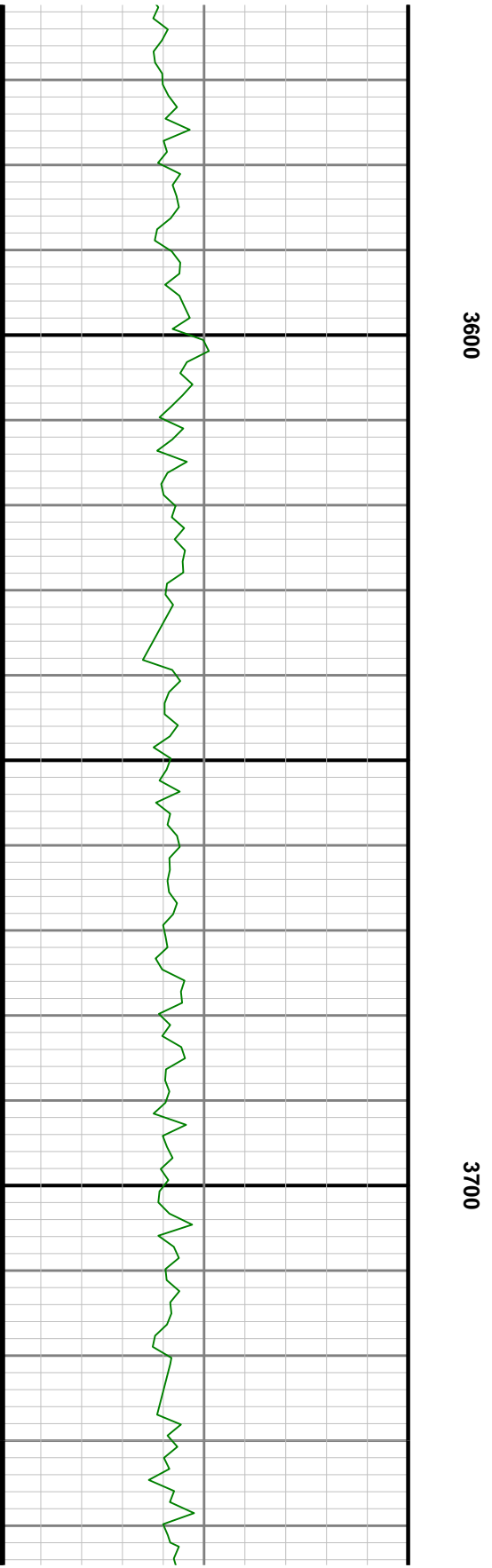
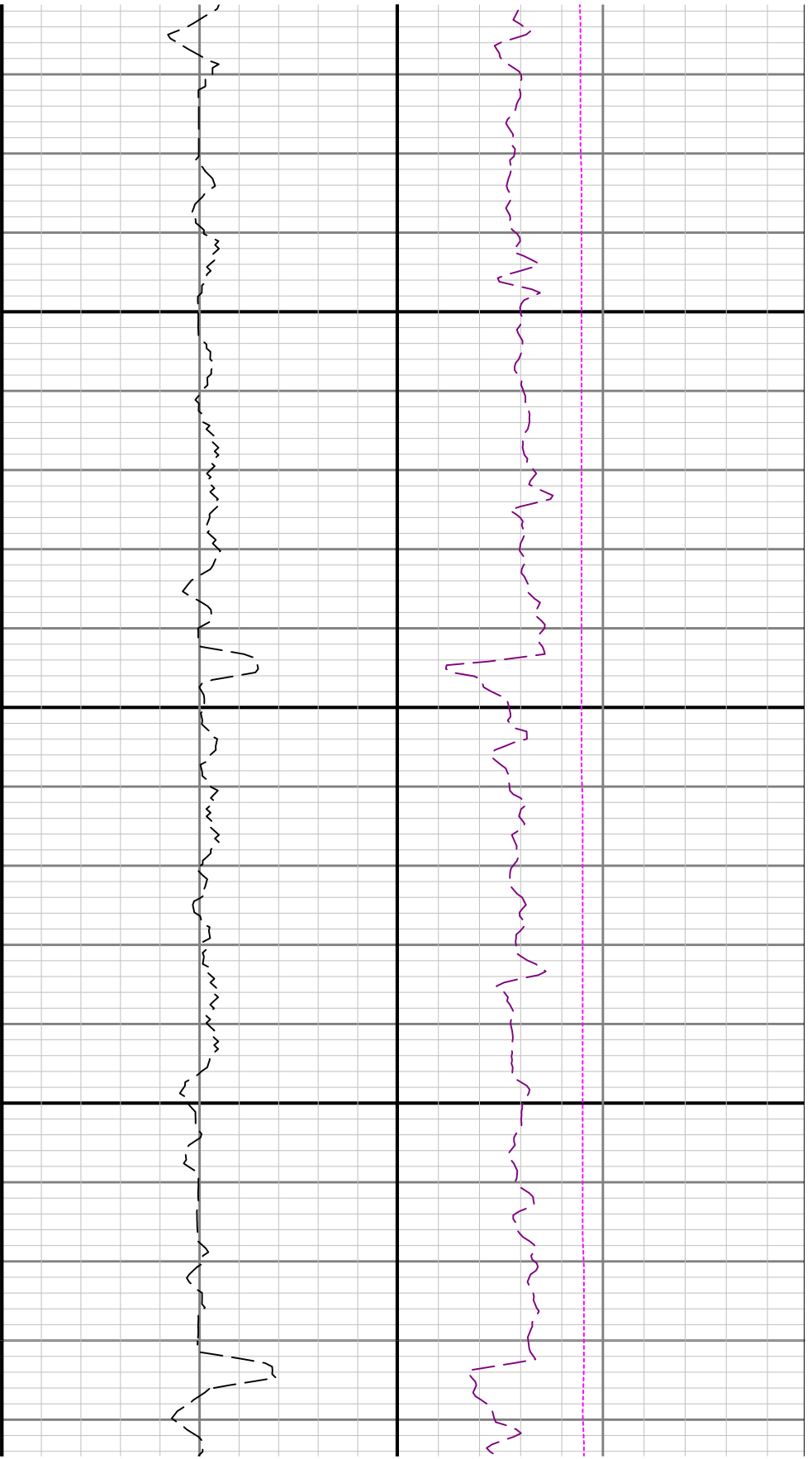


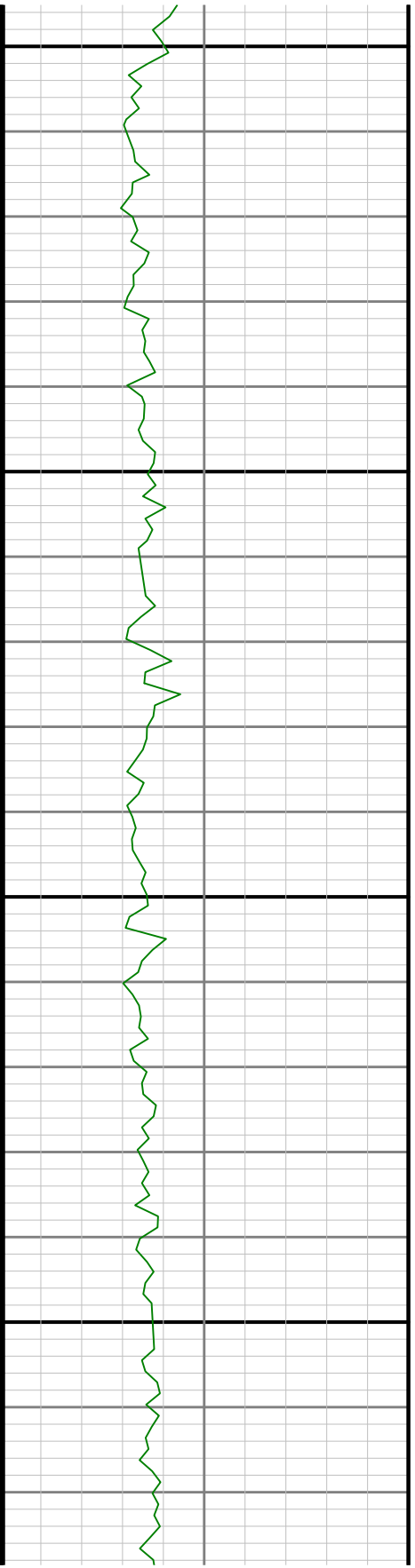
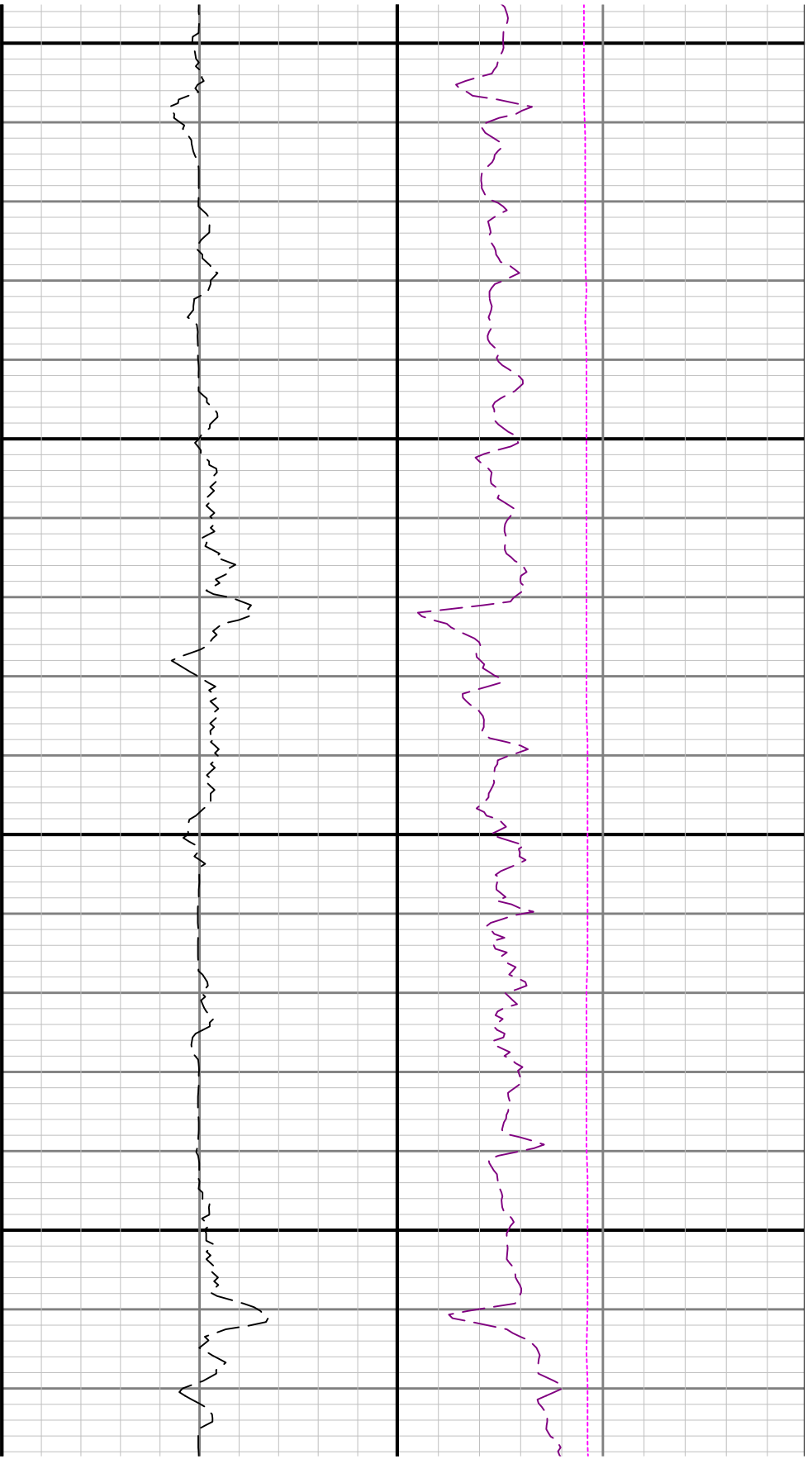
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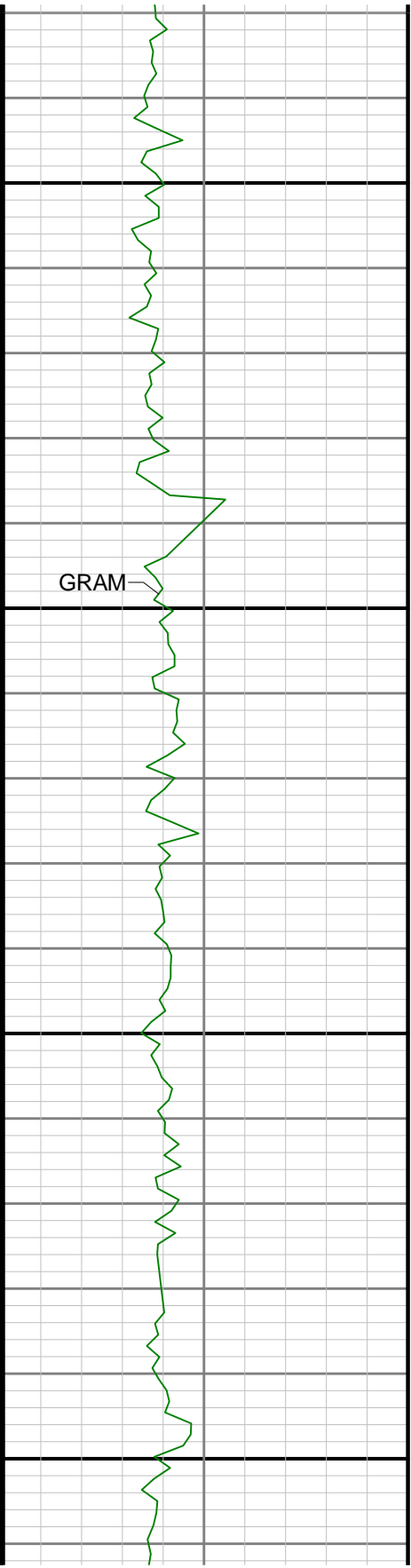
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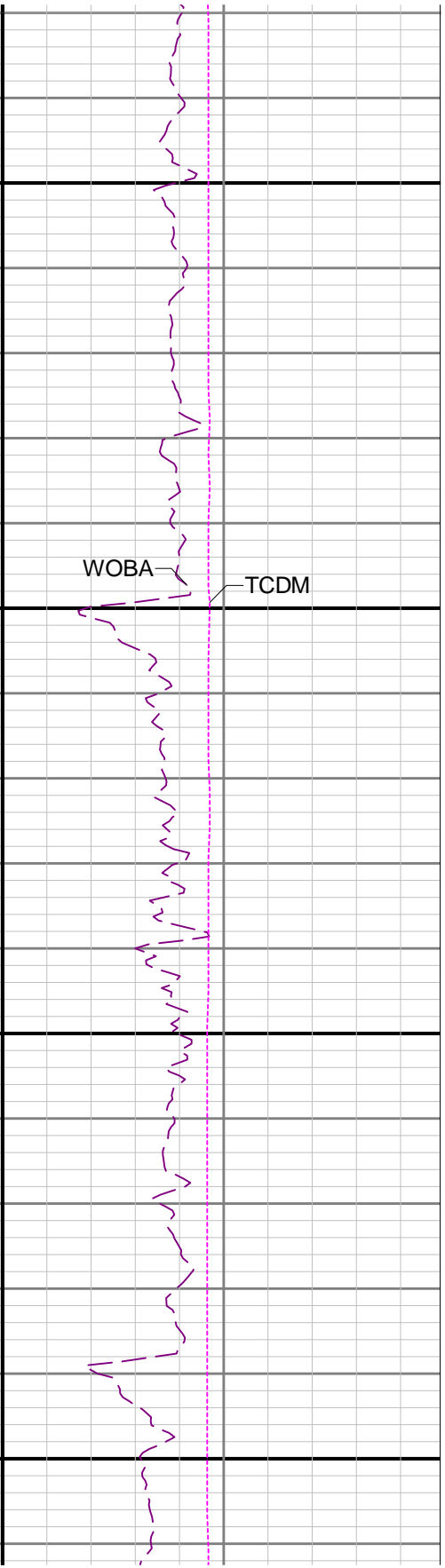
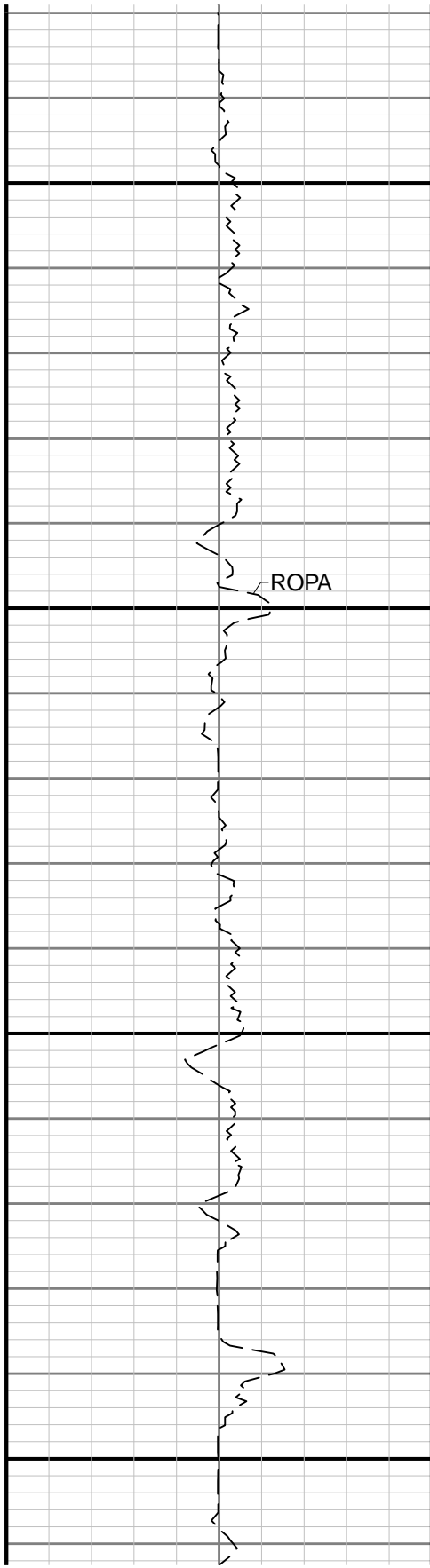


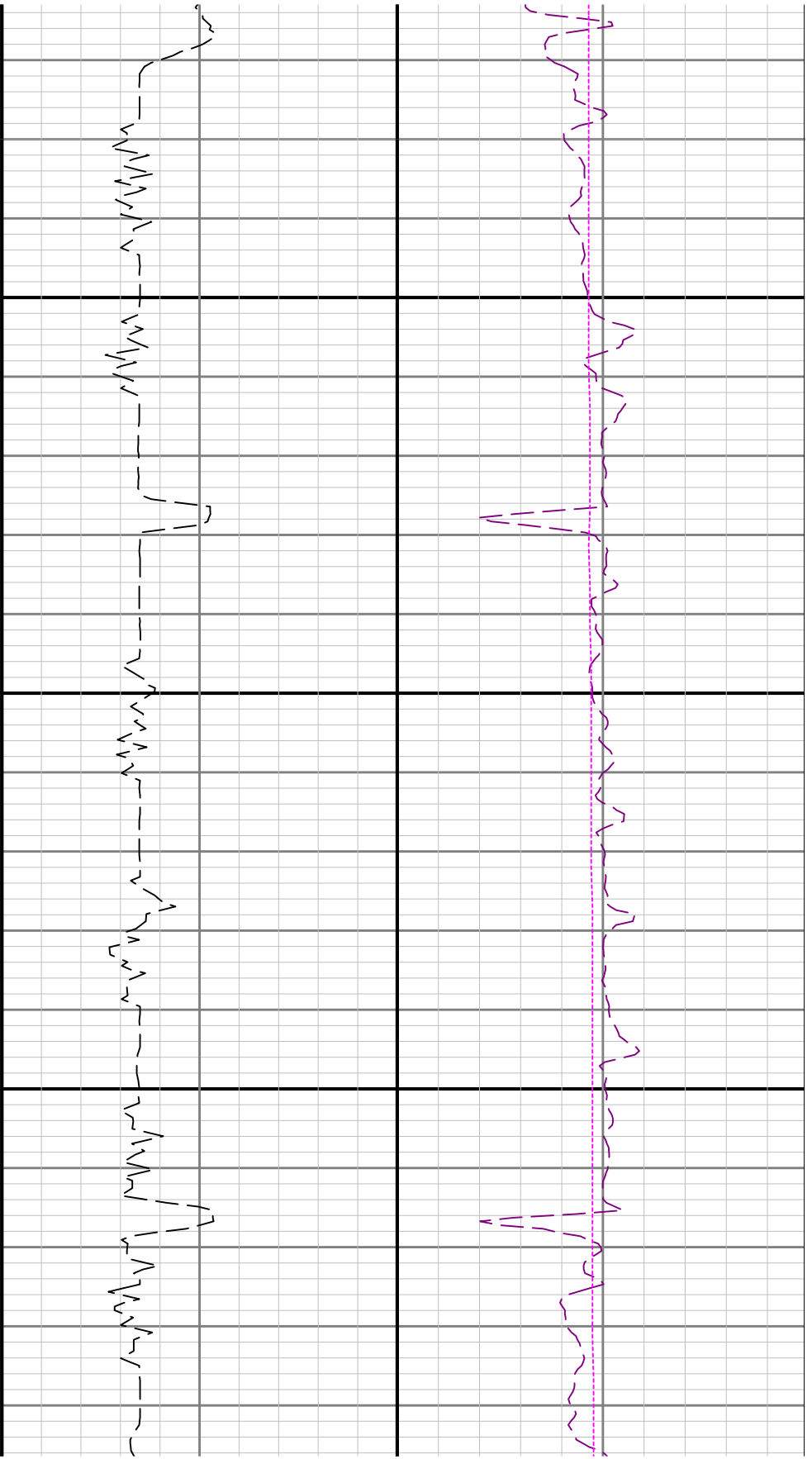




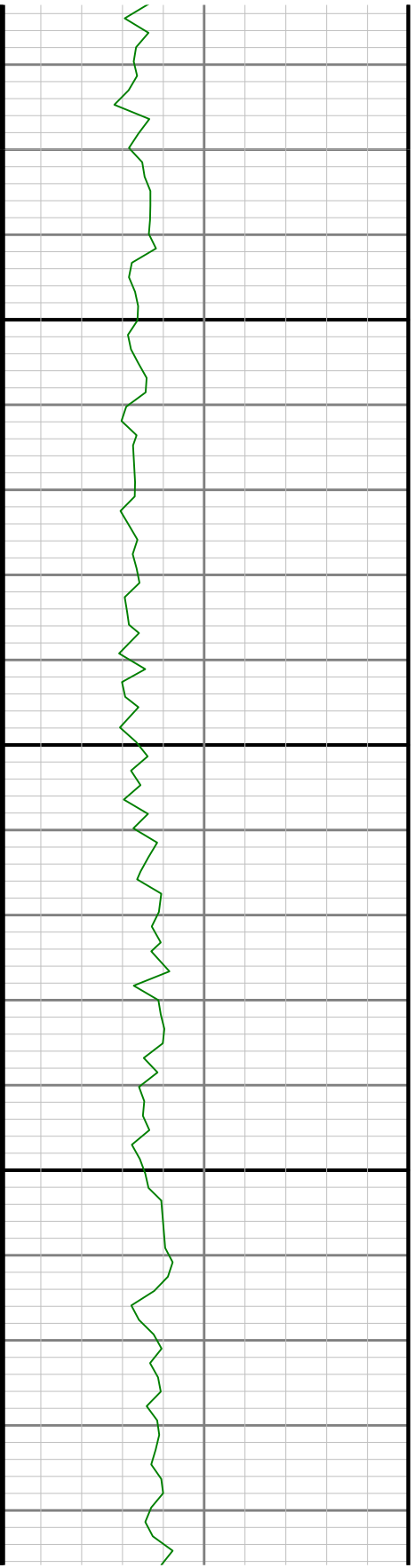
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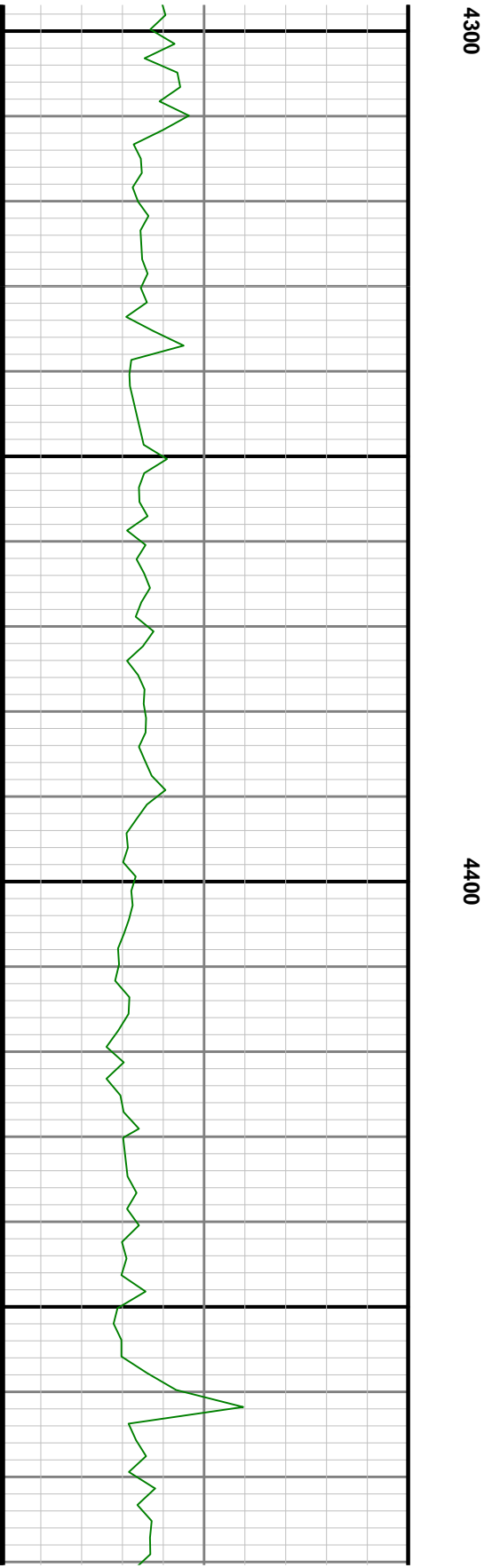
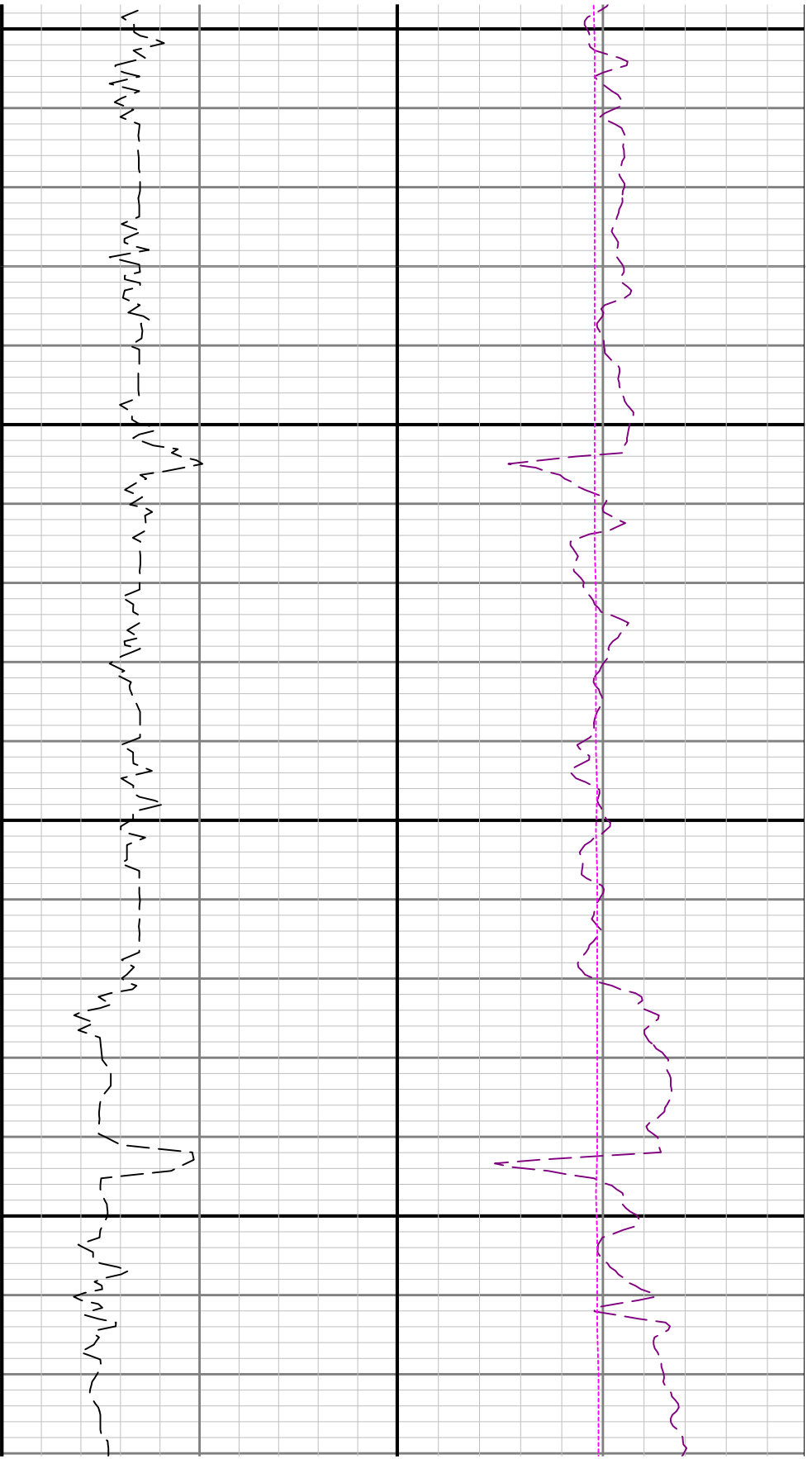
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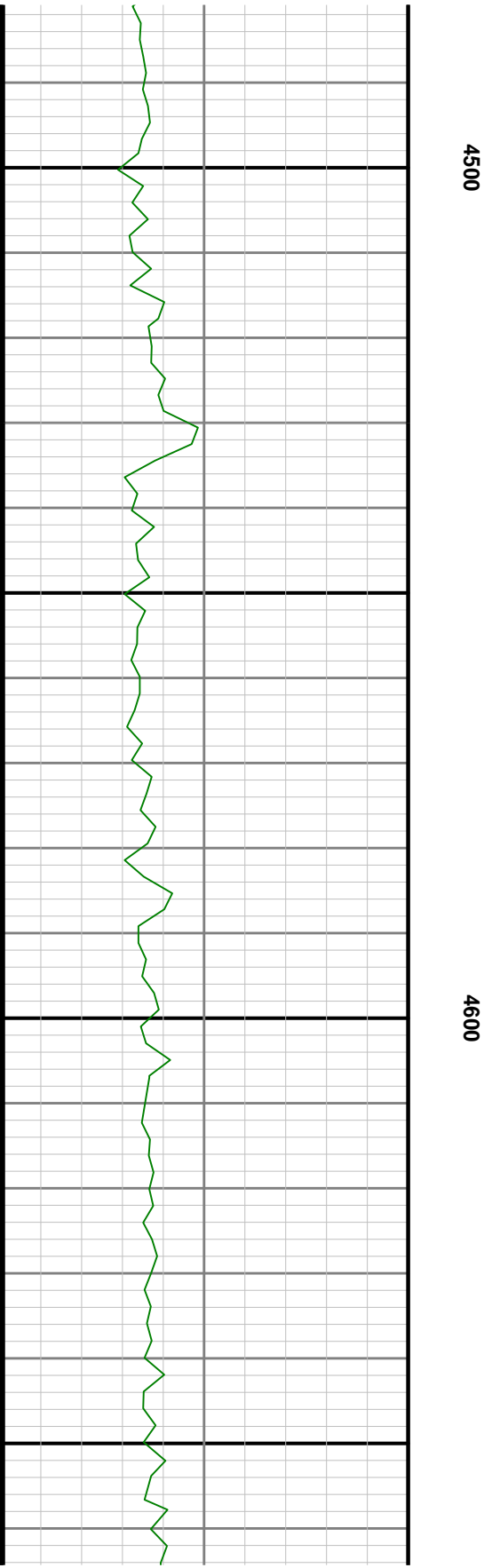
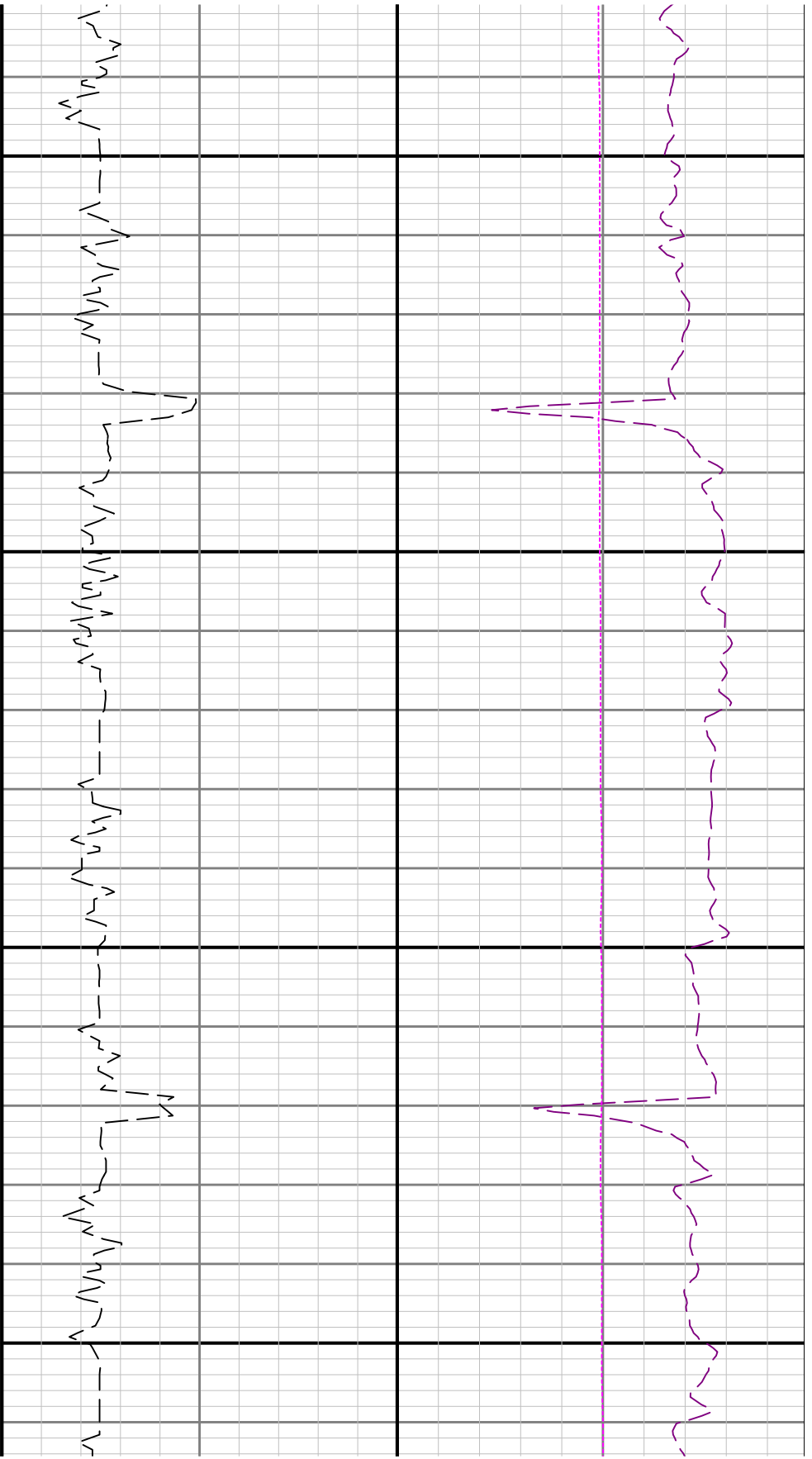


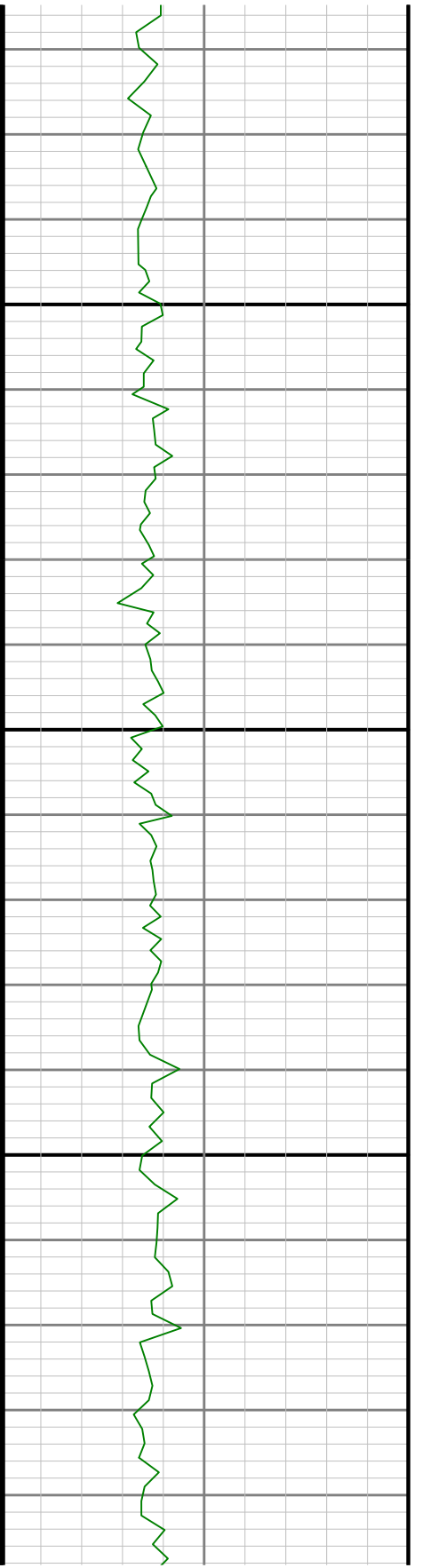
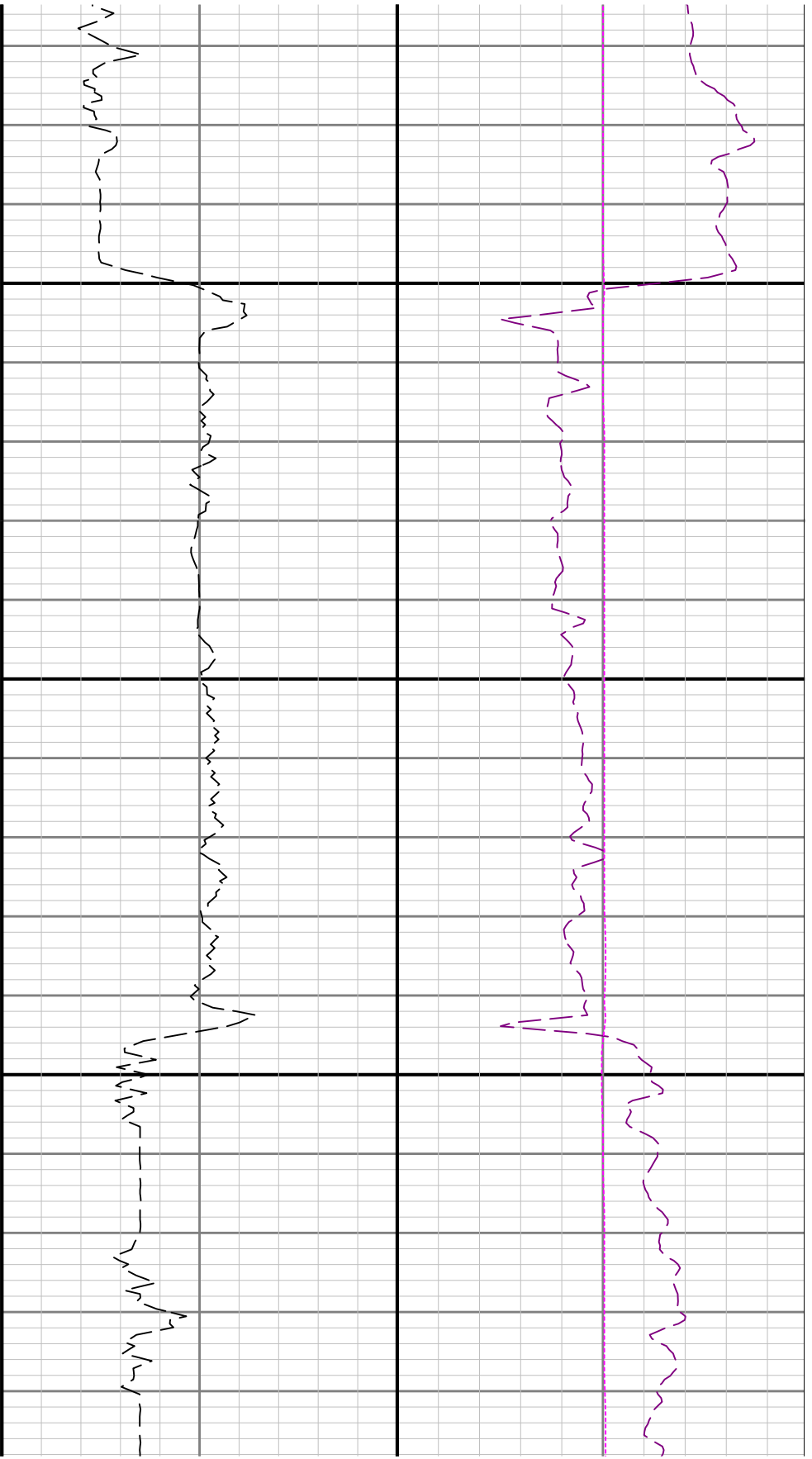


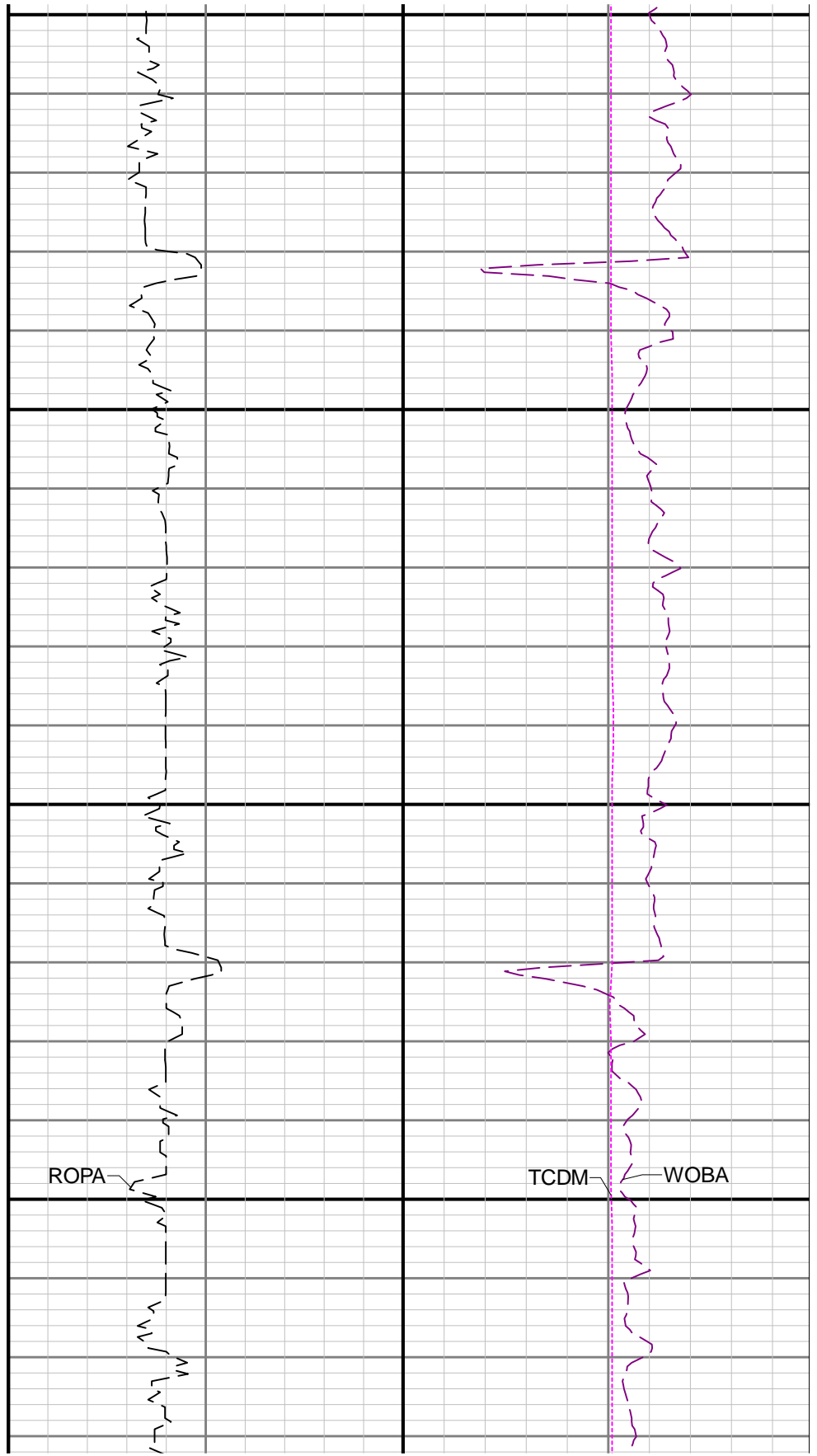
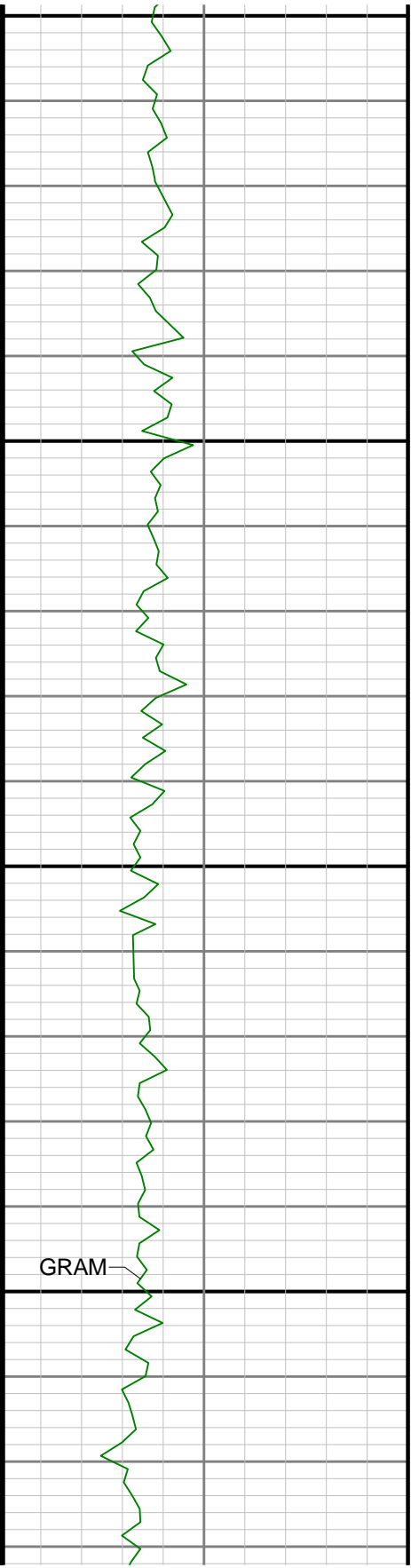
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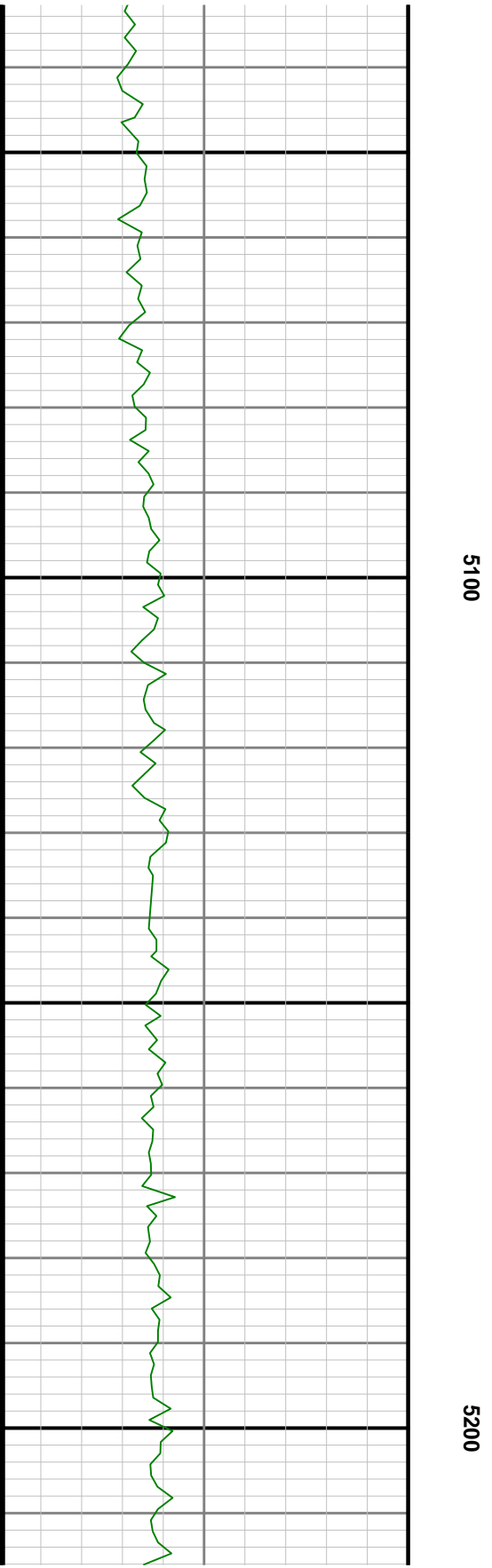
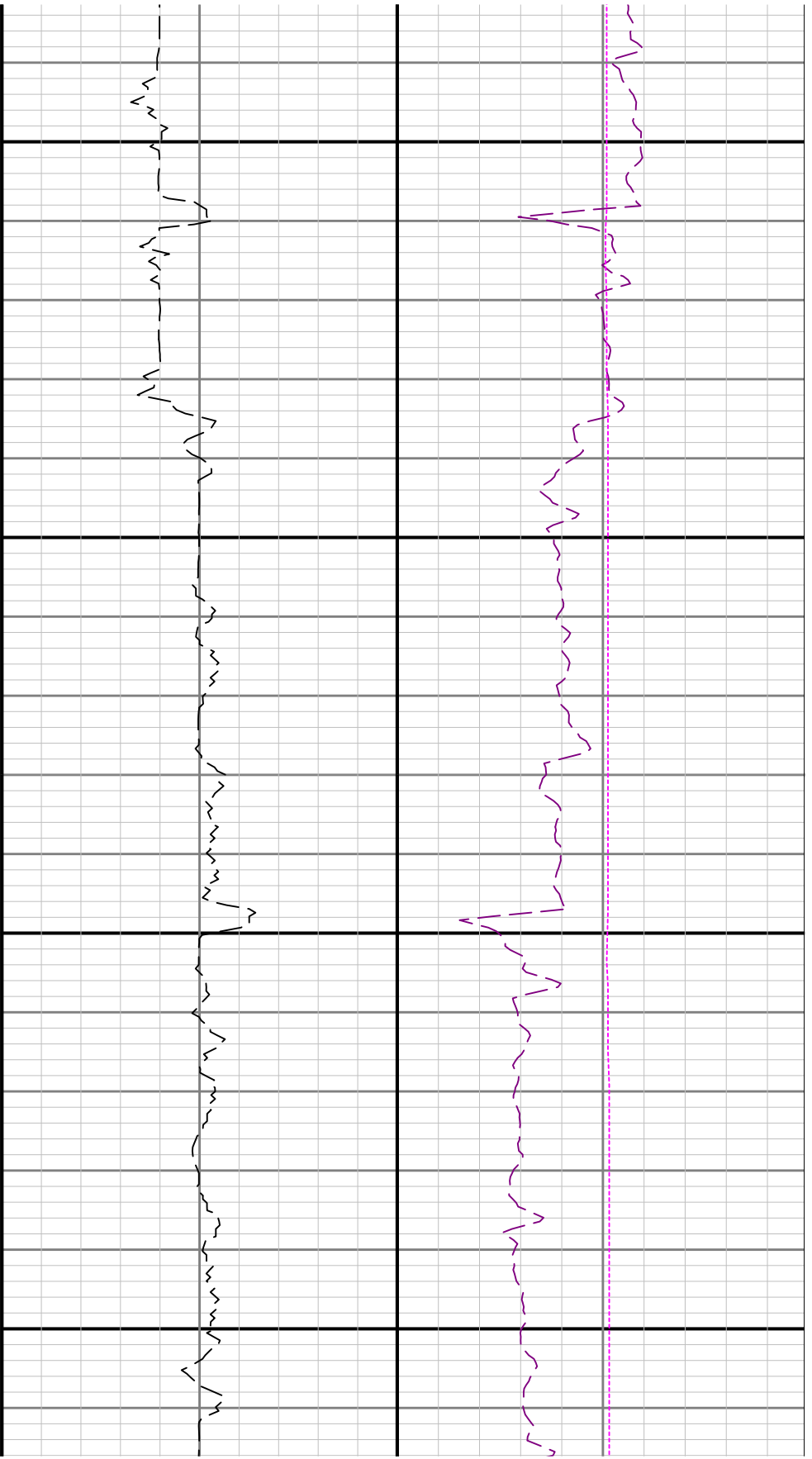


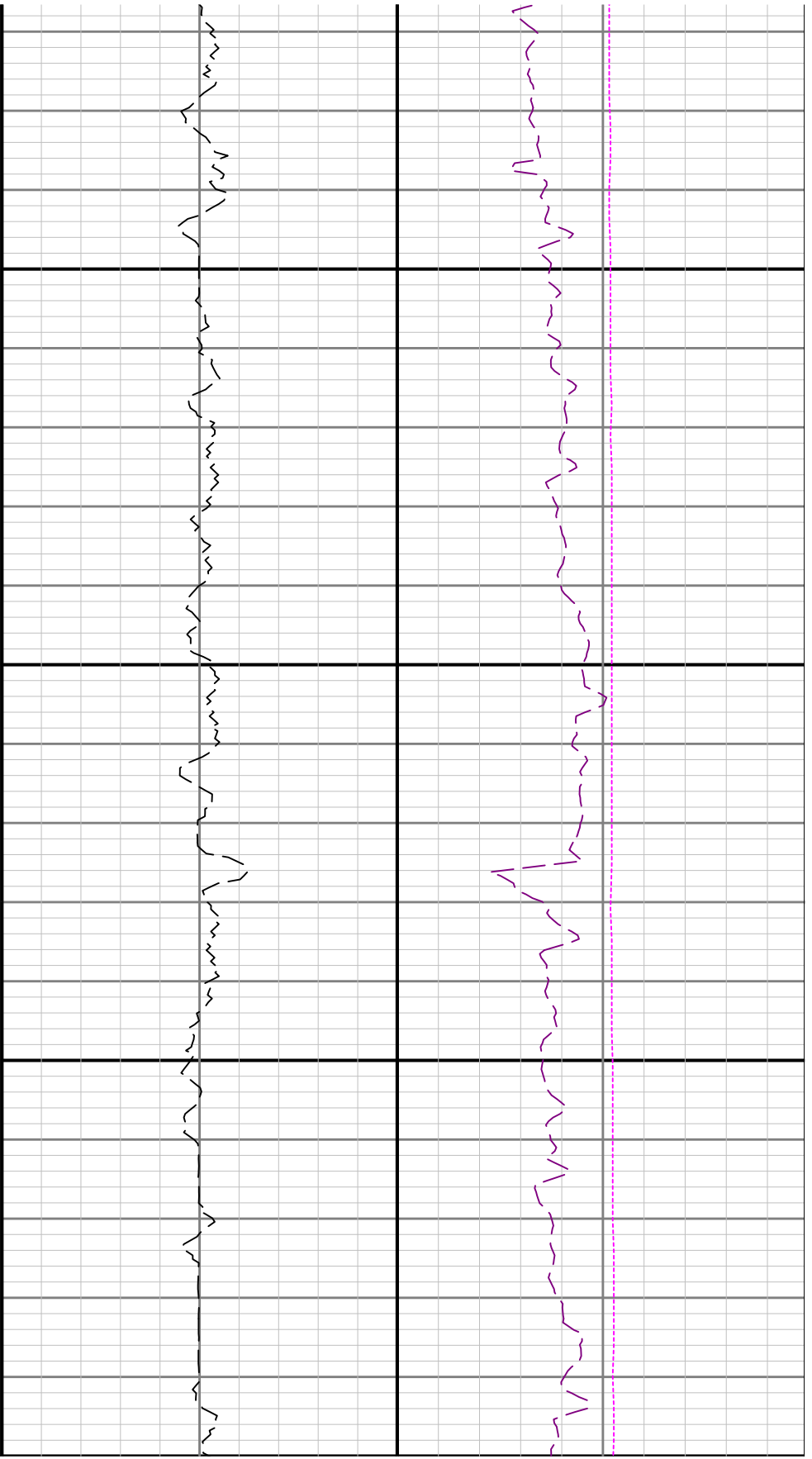






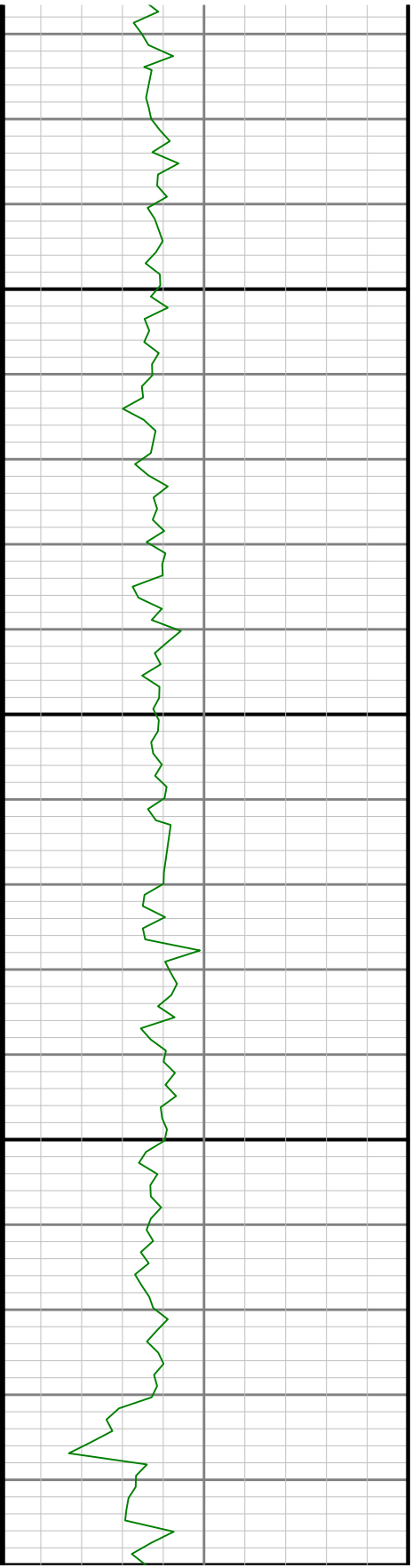


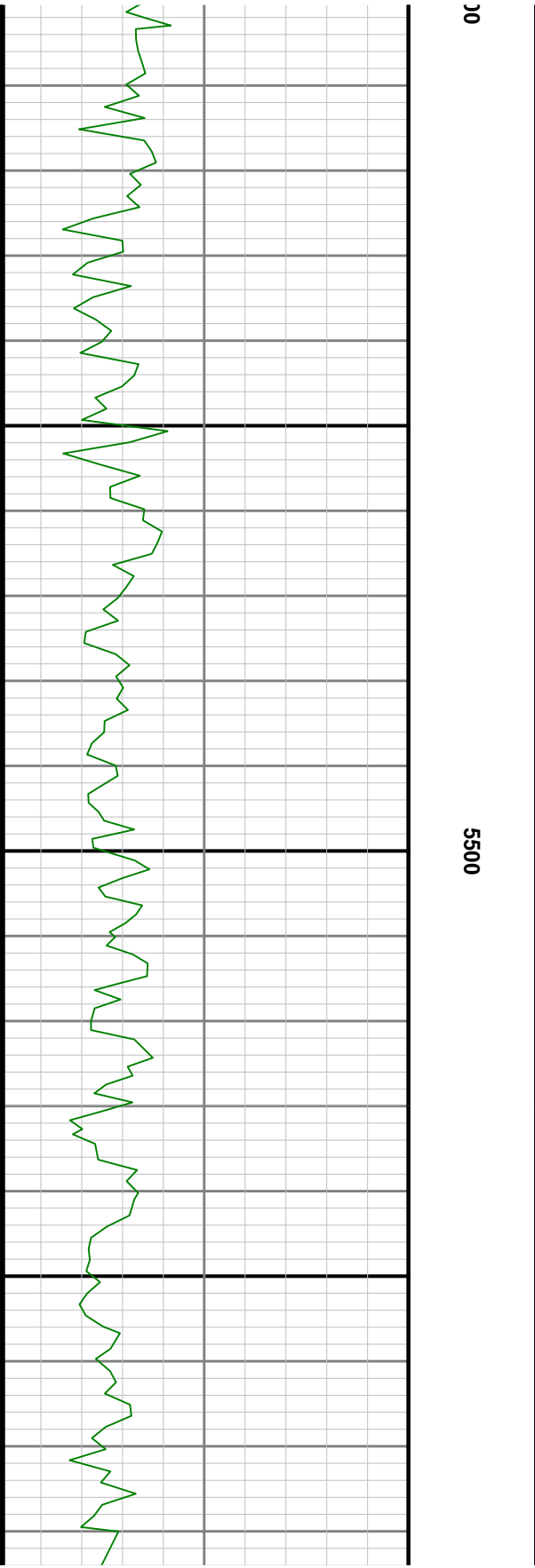
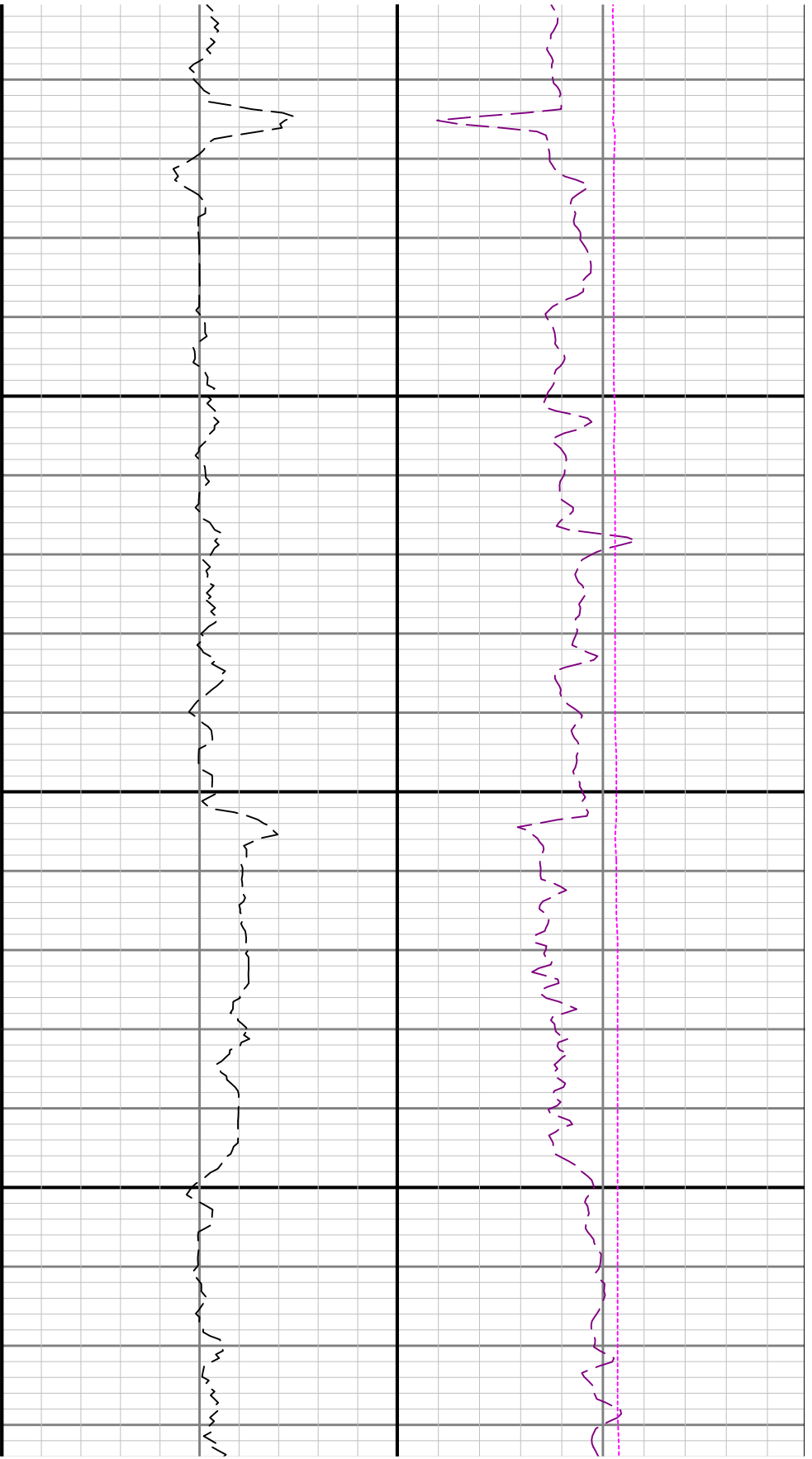


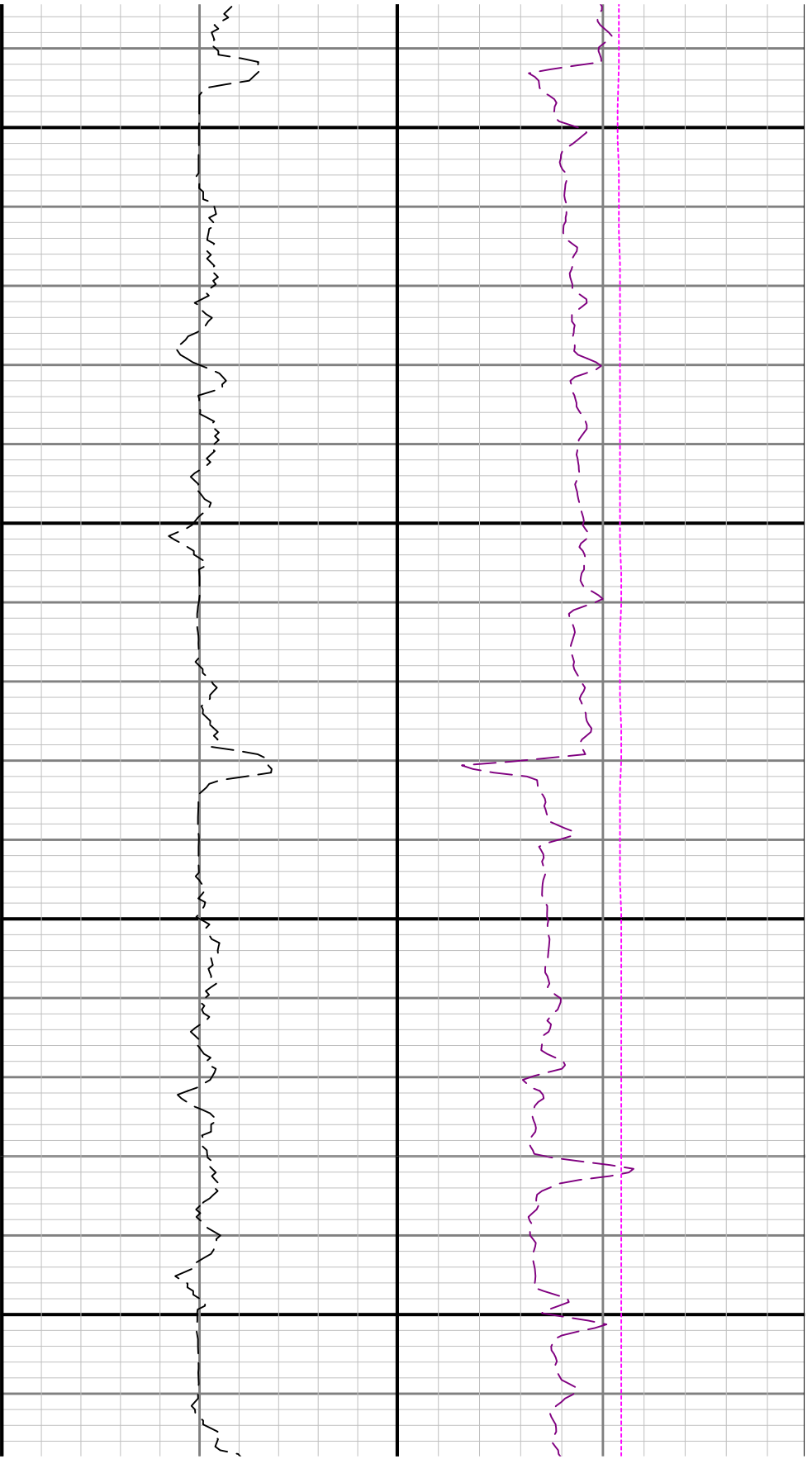


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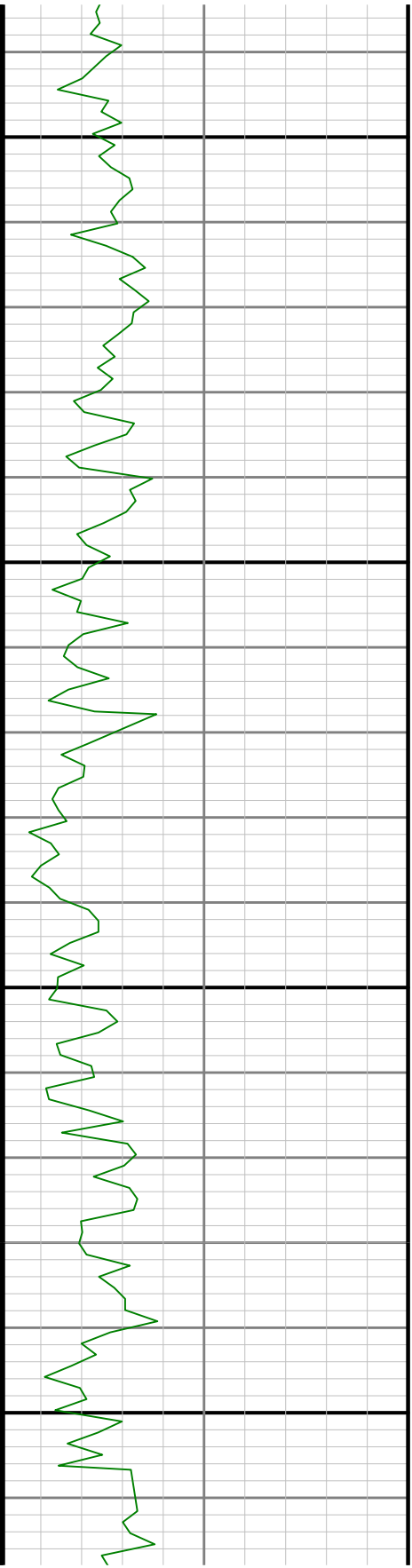


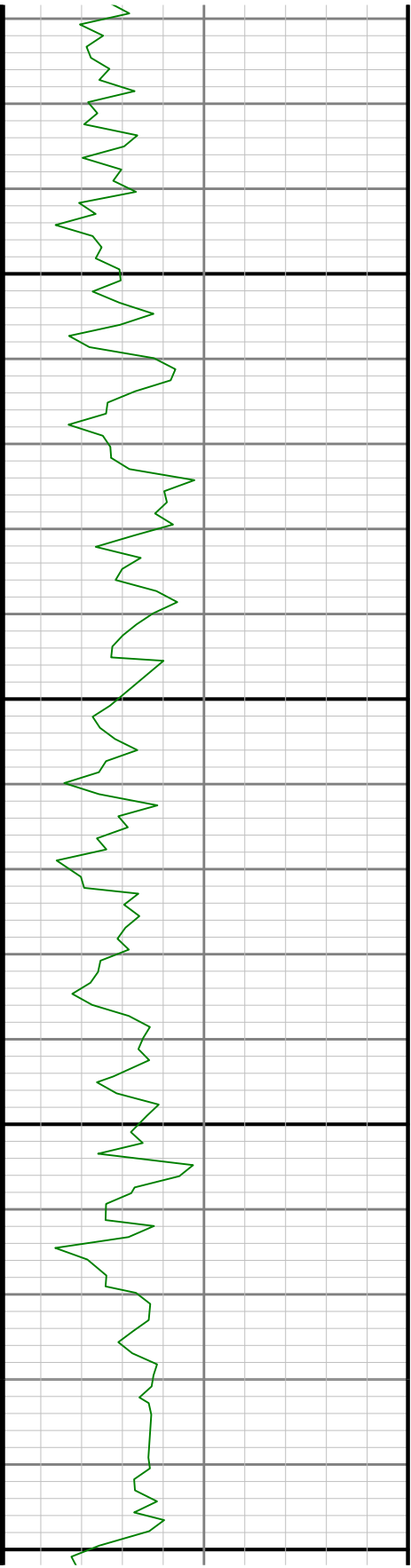




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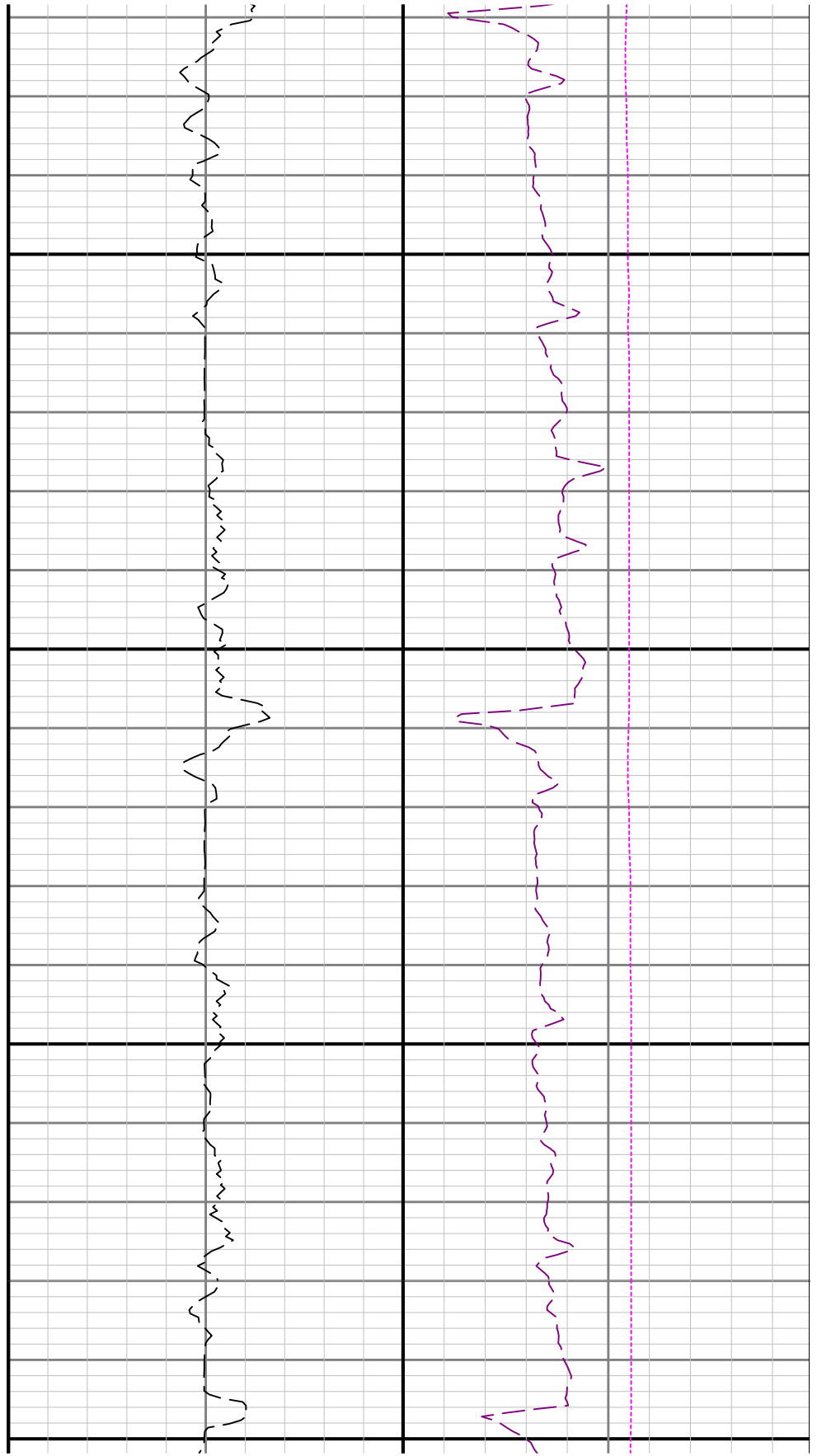
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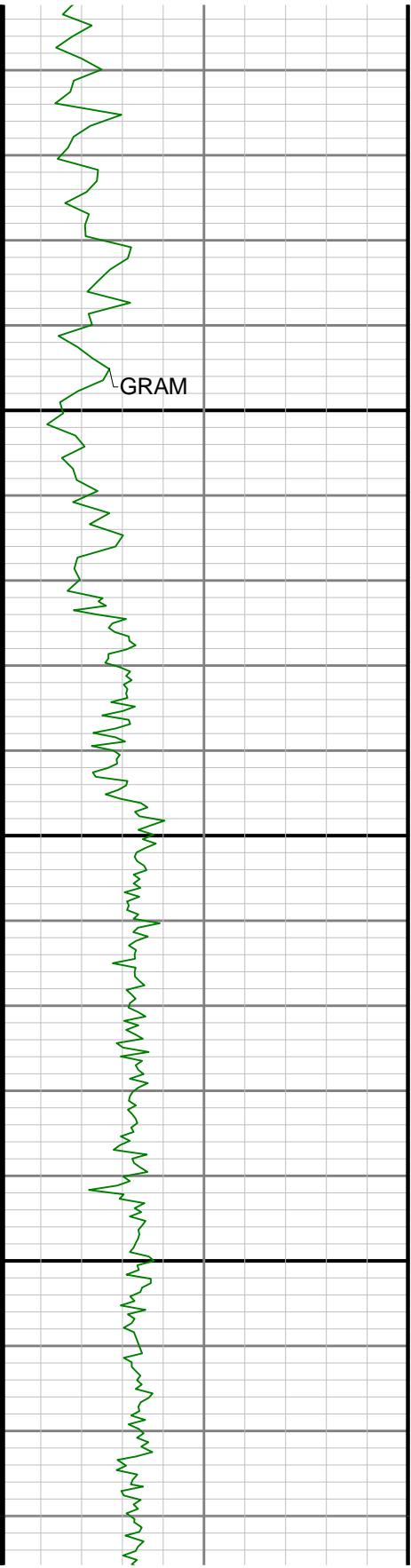




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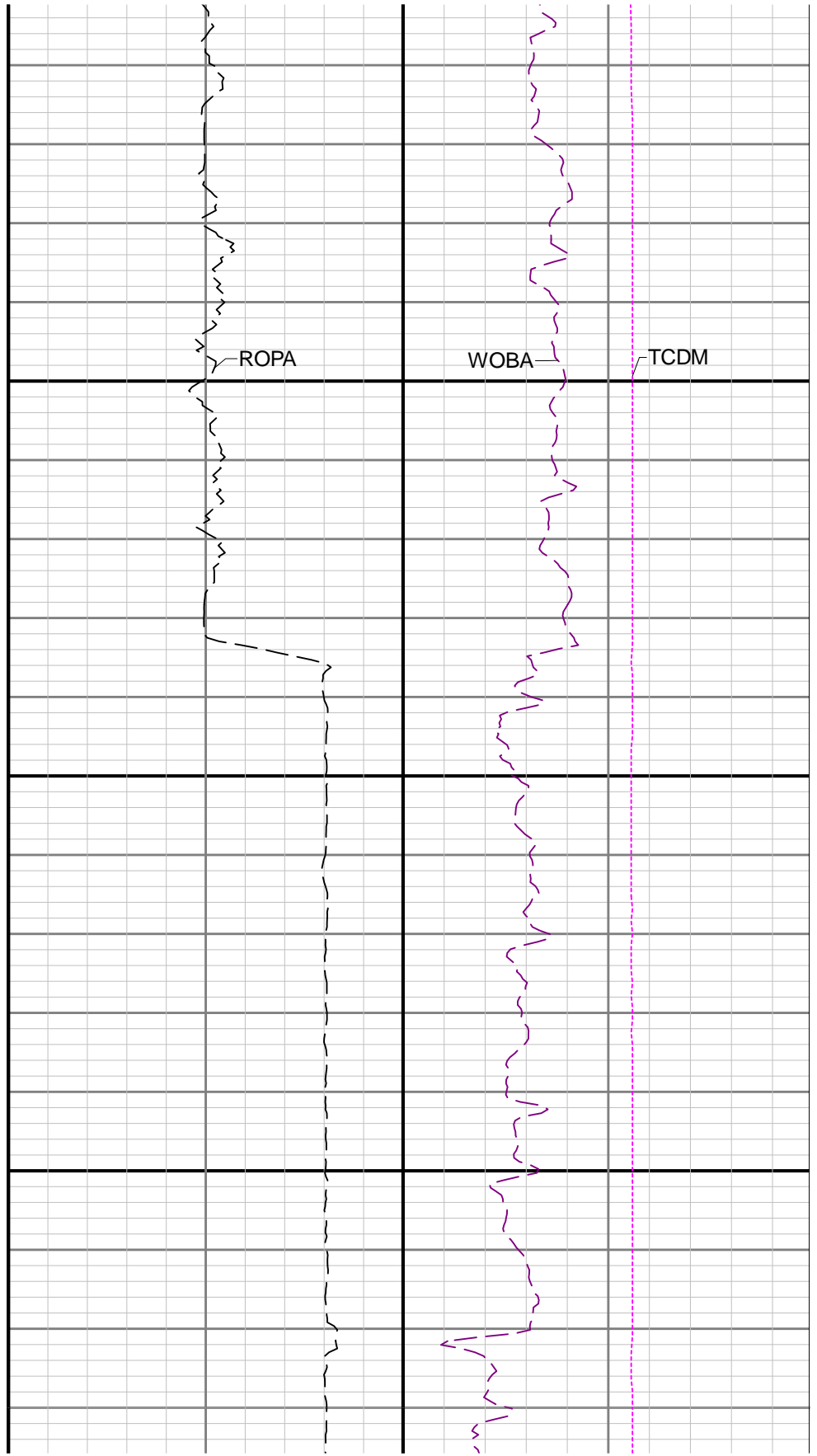
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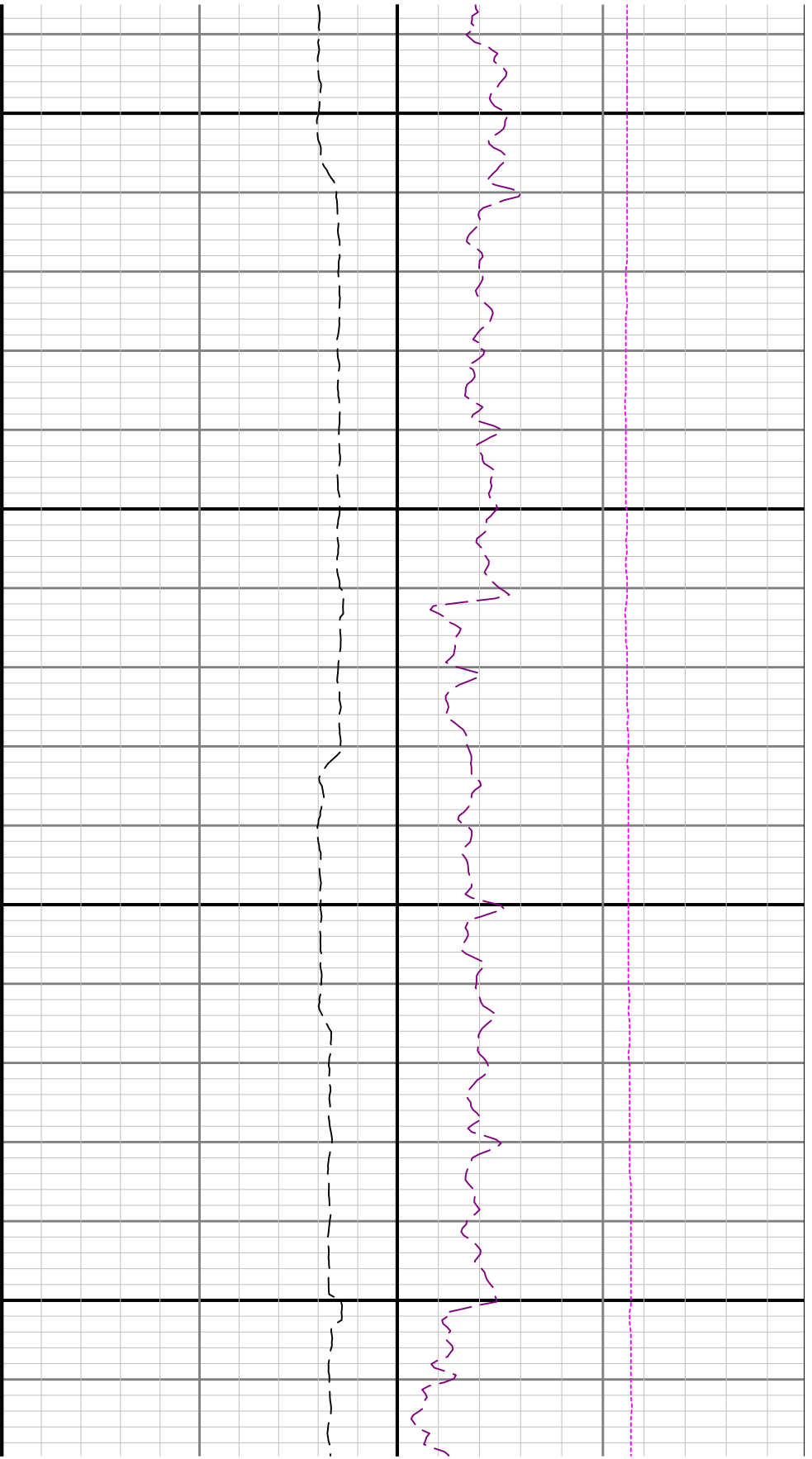




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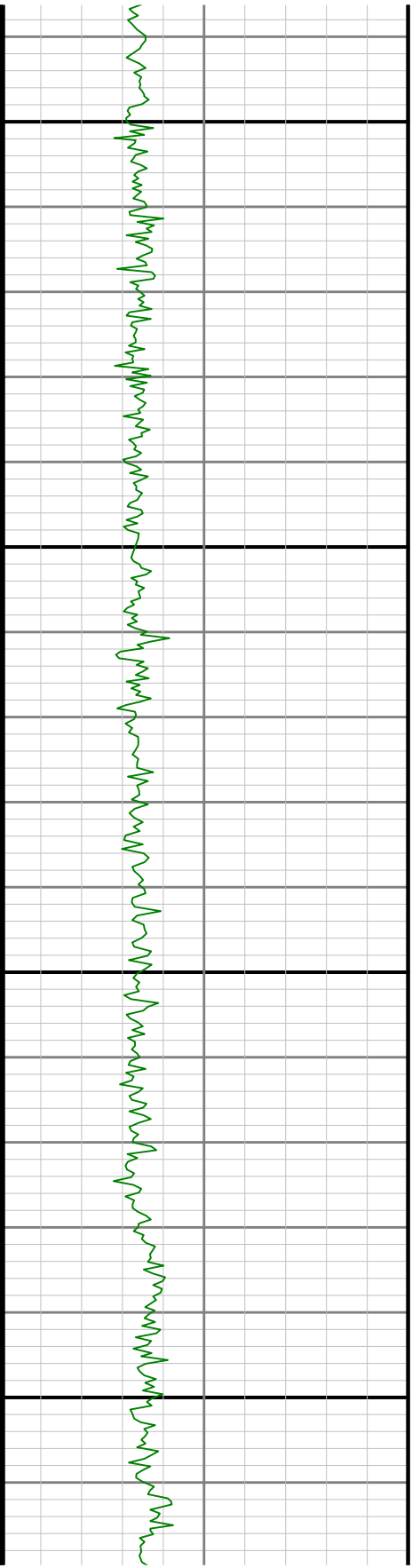
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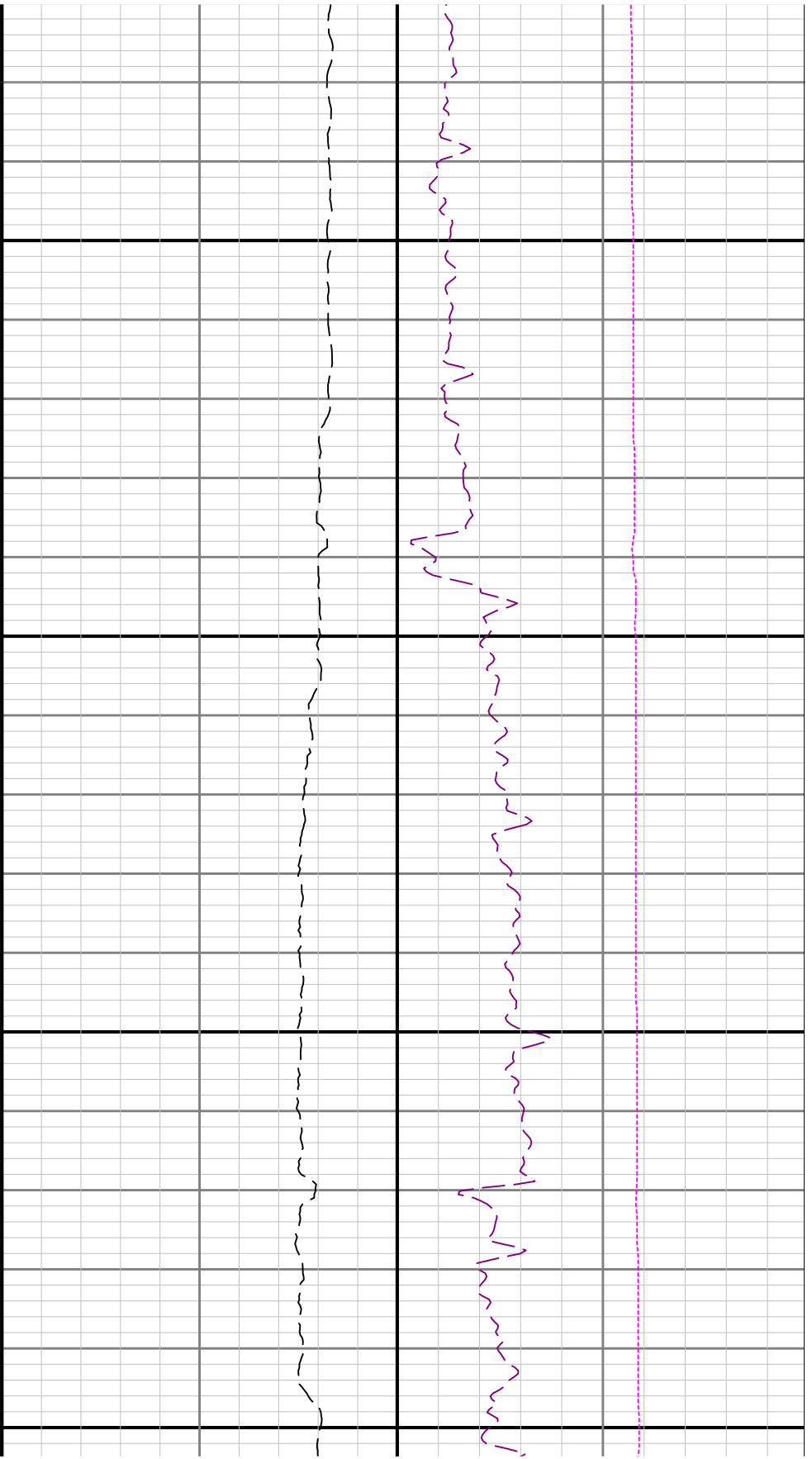




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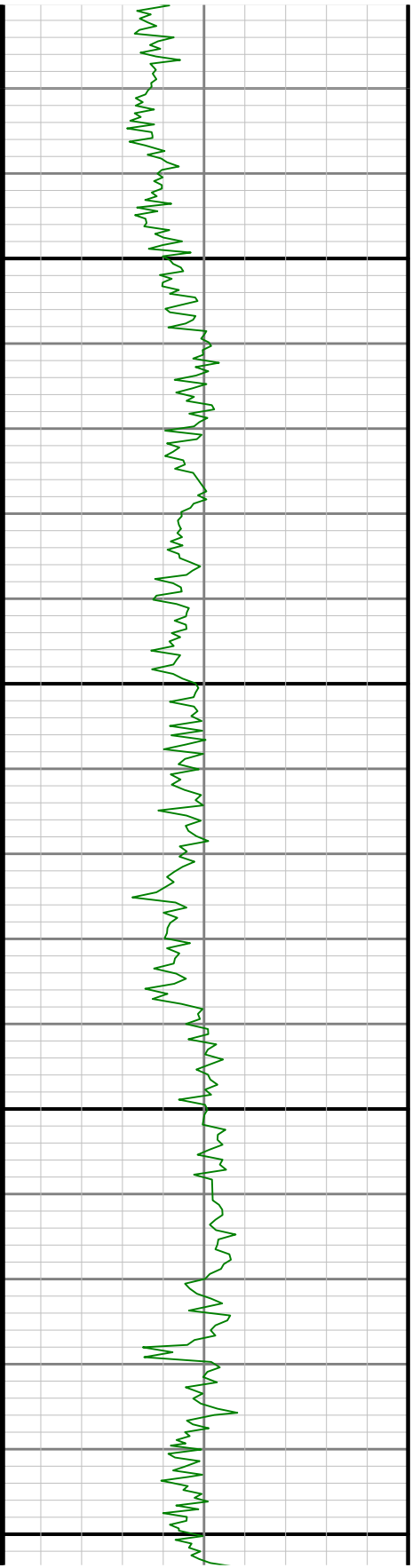
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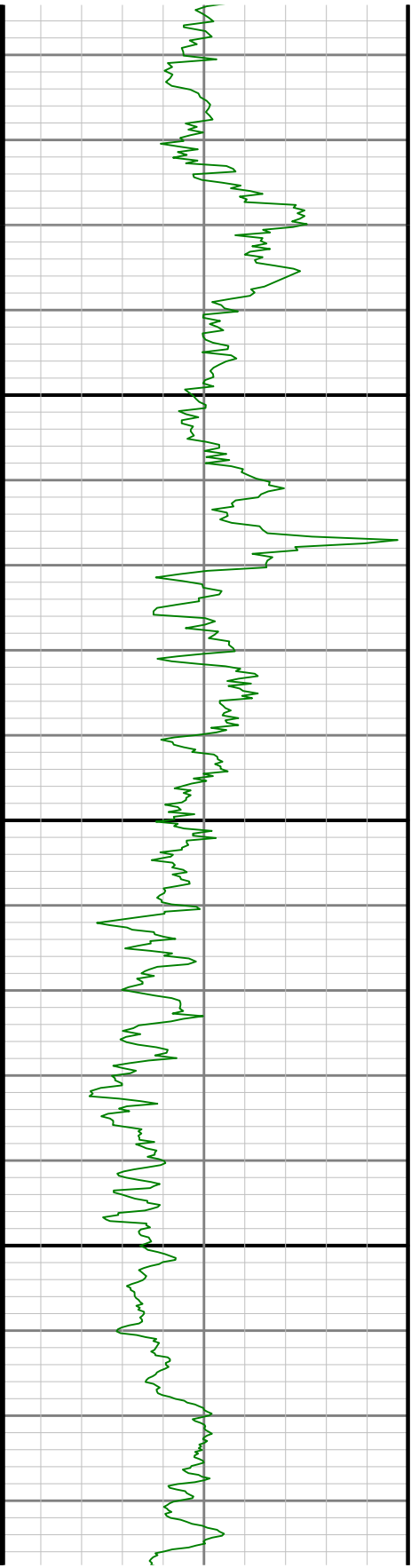




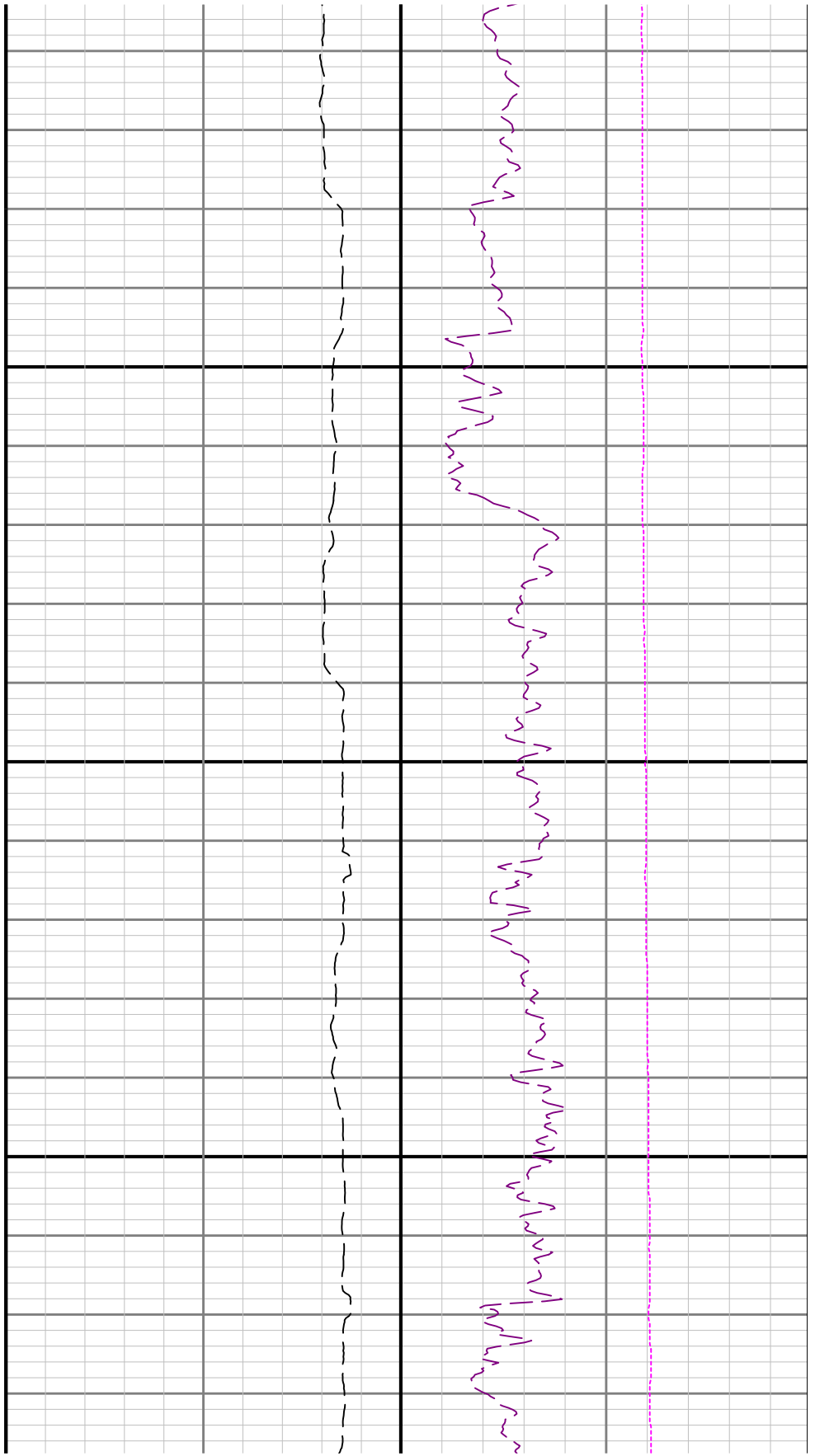
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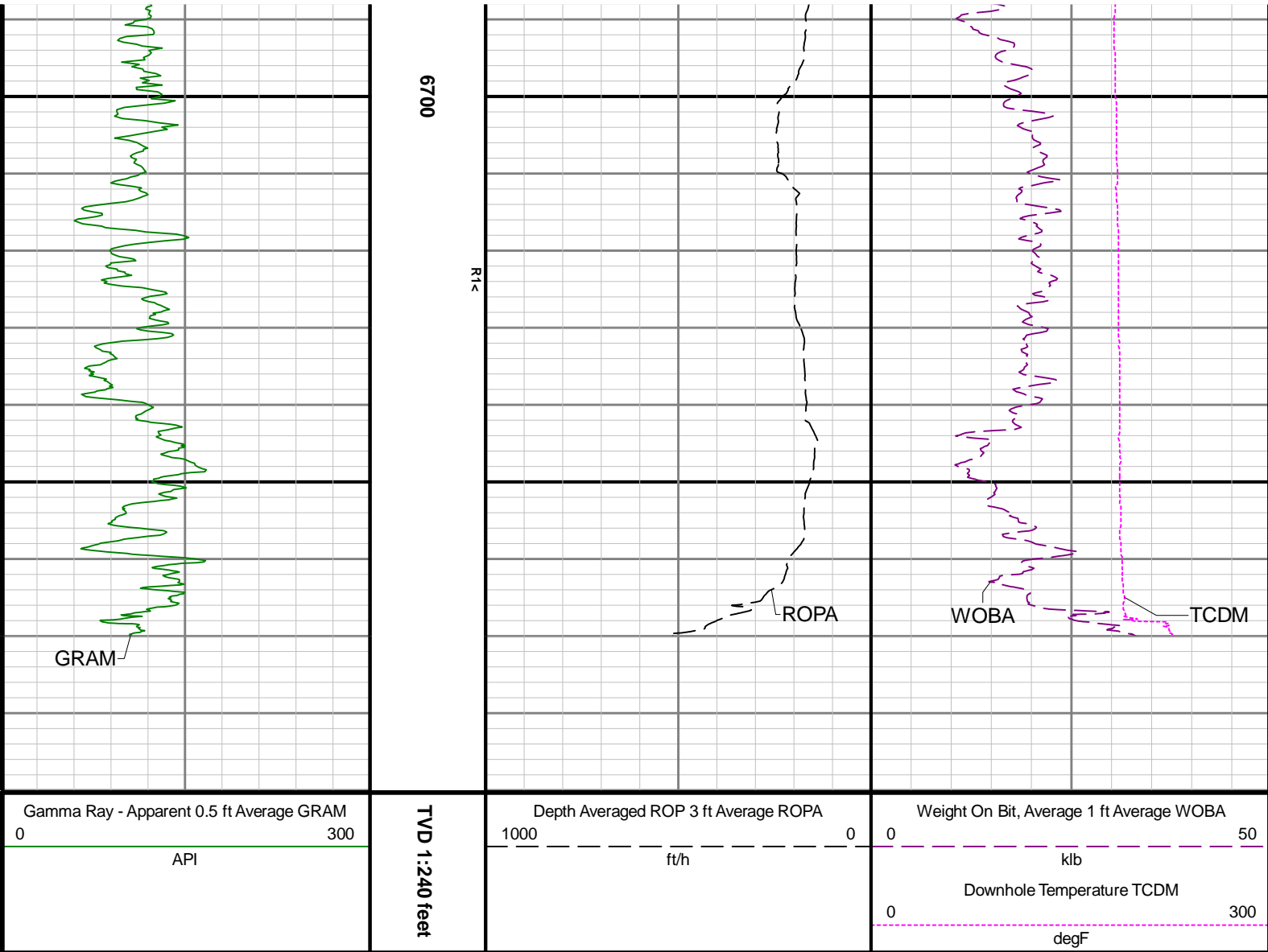
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0099





Directional Survey Summary

Latitude:	40° 11' 25.656" N	Longitude:	104° 28' 27.912" W
North Reference:	Grid	Drill Depth Zero:	Rig Floor
Vertical Datum is:	Mean Sea Level	Vertical Datum to DDZ: (ft)	4853.00
Vertical Section North: (ft)	0.00	Vertical Section East: (ft)	0.00
Vertical Section Azimuth: (deg)	351.42		
Grid Convergence: (deg)	-0.66	Magnetic Declination: (deg)	7.99
Total Correction: (deg)	7.33	TVD Calculation Method:	Minimum Curvature
Magnetic Correction:	Off	Local Magnetic Field: (nT)	52079
Local Magnetic Dip Angle: (deg)	66.58	Local Gravity Field: (m/s2)	9.800

Tie-In / Projection	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	North (ft)	East (ft)	True Vertical Depth (ft)	TVD Subsea (ft)	Vertical Section (ft)	Course Length (ft)	Dog Leg Severity (deg/100ft)	Build Rate (deg/100ft)	Turn Rate (deg/100ft)
Tie-In	0.00	0.00	0.00	N/A	0.00	0.00	0.00	-4853.00	0.00	0.00	0.00	0.00	0.00
	85.00	0.17	155.47	N/A	-0.11	0.05	85.00	-4768.00	-0.12	85.00	0.20	0.20	182.91
	179.00	0.03	145.34	N/A	-0.26	0.12	179.00	-4674.00	-0.28	94.00	0.15	-0.15	-10.78
	268.00	0.13	331.58	N/A	-0.19	0.09	268.00	-4585.00	-0.20	89.00	0.18	0.11	-195.24
	363.00	0.06	282.25	N/A	-0.09	-0.01	363.00	-4490.00	-0.08	95.00	0.11	-0.07	-51.93

	457.00	0.49	325.54	N/A	0.26	-0.29	457.00	-4396.00	0.29	94.00	0.48	0.46	46.05
	552.00	0.48	230.85	N/A	0.34	-0.82	552.00	-4301.00	0.46	95.00	0.75	-0.01	-99.67
	646.00	0.29	207.58	N/A	-0.12	-1.24	645.99	-4207.01	0.07	94.00	0.26	-0.20	-24.76
	741.00	0.40	168.58	N/A	-0.66	-1.29	740.99	-4112.01	-0.46	95.00	0.27	0.12	-41.05
	836.00	0.23	71.23	N/A	-0.92	-1.04	835.99	-4017.01	-0.76	95.00	0.51	-0.18	-102.47
	930.00	0.28	159.09	N/A	-1.08	-0.78	929.99	-3923.01	-0.95	94.00	0.38	0.05	93.47
	1024.00	0.18	146.92	N/A	-1.41	-0.62	1023.99	-3829.01	-1.31	94.00	0.12	-0.11	-12.95
	1119.00	0.30	124.95	N/A	-1.68	-0.33	1118.99	-3734.01	-1.61	95.00	0.16	0.13	-23.13
	1213.00	0.54	133.92	N/A	-2.13	0.19	1212.99	-3640.01	-2.13	94.00	0.26	0.26	9.54
	1307.00	0.61	126.80	N/A	-2.74	0.91	1306.98	-3546.02	-2.84	94.00	0.11	0.07	-7.57
	1402.00	0.53	126.66	N/A	-3.30	1.67	1401.98	-3451.02	-3.51	95.00	0.08	-0.08	-0.15
	1496.00	0.54	158.86	N/A	-3.98	2.18	1495.97	-3357.03	-4.26	94.00	0.32	0.01	34.26
	1591.00	0.42	159.39	N/A	-4.72	2.46	1590.97	-3262.03	-5.03	95.00	0.13	-0.13	0.56
	1685.00	0.36	163.72	N/A	-5.32	2.66	1684.97	-3168.03	-5.66	94.00	0.07	-0.06	4.61
	1779.00	0.21	181.61	N/A	-5.78	2.74	1778.97	-3074.03	-6.12	94.00	0.18	-0.16	19.03
	1874.00	0.12	238.72	N/A	-6.01	2.65	1873.97	-2979.03	-6.33	95.00	0.19	-0.09	60.12
	1919.00	0.09	247.52	N/A	-6.04	2.58	1918.97	-2934.03	-6.36	45.00	0.08	-0.07	19.56
	1983.00	0.46	39.16	101.4	-5.86	2.69	1982.97	-2870.03	-6.20	64.00	0.85	0.58	236.94
	2077.00	0.85	6.53	98.7	-4.88	3.01	2076.96	-2776.04	-5.27	94.00	0.56	0.41	-34.71
	2172.00	0.16	296.09	109.5	-4.12	2.97	2171.96	-2681.04	-4.52	95.00	0.85	-0.73	-74.15
	2267.00	1.77	273.30	109.5	-3.98	1.39	2266.94	-2586.06	-4.14	95.00	1.71	1.69	-23.99
	2361.00	3.41	277.39	112.2	-3.53	-2.83	2360.84	-2492.16	-3.07	94.00	1.75	1.74	4.35
	2456.00	5.57	278.05	114.9	-2.53	-10.20	2455.54	-2397.46	-0.98	95.00	2.27	2.27	0.69
	2550.00	9.65	266.99	117.6	-2.30	-22.59	2548.70	-2304.30	1.10	94.00	4.59	4.34	-11.77
	2645.00	13.60	268.08	120.3	-3.09	-41.71	2641.73	-2211.27	3.17	95.00	4.16	4.16	1.15
	2739.00	16.66	253.44	120.3	-7.31	-65.69	2732.50	-2120.50	2.58	94.00	5.18	3.26	-15.57
	2834.00	20.21	240.21	123.0	-19.35	-93.00	2822.65	-2030.35	-5.26	95.00	5.75	3.74	-13.93
	2929.00	19.42	230.59	125.7	-37.53	-119.45	2912.05	-1940.95	-19.29	95.00	3.53	-0.83	-10.13
	3023.00	20.16	239.18	125.7	-55.76	-145.44	3000.51	-1852.49	-33.43	94.00	3.19	0.79	9.14
	3118.00	21.84	234.87	125.7	-74.32	-173.96	3089.20	-1763.80	-47.53	95.00	2.40	1.77	-4.54
	3212.00	18.77	236.60	128.4	-92.71	-200.89	3177.35	-1675.65	-61.70	94.00	3.33	-3.27	1.84
	3307.00	18.46	246.30	128.4	-107.17	-227.43	3267.41	-1585.59	-72.04	95.00	3.27	-0.33	10.21
	3401.00	20.46	242.40	131.1	-120.76	-255.62	3356.03	-1496.97	-81.28	94.00	2.54	2.13	-4.15
	3496.00	19.87	243.68	131.1	-135.62	-284.81	3445.21	-1407.79	-91.61	95.00	0.78	-0.62	1.35
	3591.00	21.11	237.98	133.8	-151.85	-313.79	3534.21	-1318.79	-103.33	95.00	2.47	1.31	-6.00
	3685.00	21.36	236.18	133.8	-170.35	-342.36	3621.83	-1231.17	-117.37	94.00	0.74	0.27	-1.91
	3780.00	20.94	233.55	133.8	-190.07	-370.39	3710.43	-1142.57	-132.68	95.00	1.09	-0.44	-2.77
	3874.00	21.12	235.69	139.2	-209.59	-397.89	3798.17	-1054.83	-147.89	94.00	0.84	0.19	2.28
	3969.00	20.94	236.59	139.2	-228.59	-426.20	3886.84	-966.16	-162.44	95.00	0.39	-0.19	0.95
	4064.00	20.99	237.81	139.2	-247.00	-454.77	3975.55	-877.45	-176.39	95.00	0.46	0.05	1.28
	4158.00	20.88	238.82	139.2	-264.64	-483.35	4063.35	-789.65	-189.57	94.00	0.40	-0.12	1.07
	4252.00	20.86	238.82	141.9	-281.98	-512.00	4151.18	-701.82	-202.44	94.00	0.02	-0.02	0.00
	4347.00	20.48	239.87	52.7	-299.08	-540.84	4240.07	-612.93	-215.04	95.00	0.56	-0.40	1.11
	4441.00	21.25	246.42	144.6	-314.15	-570.68	4327.91	-525.09	-225.49	94.00	2.61	0.82	6.97
	4536.00	20.54	237.57	144.6	-329.98	-600.53	4416.69	-436.31	-236.69	95.00	3.40	-0.75	-9.32
	4630.00	21.14	242.79	144.6	-346.57	-629.53	4504.55	-348.45	-248.77	94.00	2.08	0.64	5.55
	4725.00	20.07	239.51	147.3	-362.68	-658.81	4593.47	-259.53	-260.33	95.00	1.66	-1.13	-3.45
	4819.00	17.03	242.23	150.0	-377.28	-684.90	4682.58	-170.42	-270.87	94.00	3.36	-3.23	2.89
	4914.00	19.77	246.41	150.0	-390.19	-711.94	4772.72	-80.28	-279.61	95.00	3.20	2.88	4.40
	5008.00	20.25	251.37	150.0	-401.75	-741.93	4861.05	8.05	-286.57	94.00	1.88	0.51	5.28
	5103.00	20.62	245.04	152.7	-414.06	-772.67	4950.08	97.08	-294.15	95.00	2.36	0.39	-6.66
	5198.00	20.96	234.46	152.7	-431.01	-801.68	5038.93	185.93	-306.58	95.00	3.96	0.36	-11.14
	5292.00	19.48	243.72	152.7	-447.72	-829.42	5127.15	274.15	-318.97	94.00	3.75	-1.57	9.85
	5387.00	20.36	242.52	155.4	-462.36	-858.28	5216.47	363.47	-329.14	95.00	1.02	0.93	-1.26
	5481.00	20.28	239.35	155.4	-478.21	-886.81	5304.62	451.62	-340.56	94.00	1.17	-0.09	-3.37
	5576.00	19.52	242.84	158.1	-493.85	-915.09	5393.95	540.95	-351.80	95.00	1.48	-0.80	3.67
	5670.00	20.08	241.84	158.1	-508.64	-943.29	5482.39	629.39	-362.21	94.00	0.70	0.60	-1.06
	5765.00	20.27	245.15	160.8	-523.25	-972.60	5571.57	718.57	-372.29	95.00	1.22	0.20	3.48
	5859.00	20.90	242.31	163.5	-537.88	-1002.23	5659.57	806.57	-382.34	94.00	1.26	0.67	-3.02
	5954.00	20.54	243.19	163.5	-553.28	-1032.11	5748.42	895.42	-393.10	95.00	0.50	-0.38	0.93
	6048.00	21.04	241.53	166.2	-568.76	-1061.66	5836.30	983.30	-404.00	94.00	0.82	0.53	-1.77
	6143.00	21.48	242.22	166.2	-584.99	-1092.04	5924.84	1071.84	-415.52	95.00	0.53	0.46	0.73

	6143.00	21.46	242.22	160.2	-384.99	-1092.04	3924.04	1071.04	-413.32	95.00	0.33	0.46	0.73
	6238.00	21.14	240.20	168.9	-601.61	-1122.29	6013.34	1160.34	-427.45	95.00	0.85	-0.36	-2.13
	6332.00	19.00	252.17	166.2	-614.73	-1151.58	6101.67	1248.67	-436.05	94.00	4.92	-2.28	12.73
	6427.00	18.32	281.50	166.2	-616.49	-1181.00	6191.87	1338.87	-433.40	95.00	9.81	-0.72	30.87
	6521.00	20.75	306.07	171.6	-603.72	-1208.99	6280.60	1427.60	-416.59	94.00	9.04	2.59	26.14
	6615.00	26.13	321.72	171.6	-577.62	-1235.32	6366.90	1513.90	-386.86	94.00	8.71	5.72	16.65
	6710.00	31.98	329.79	174.3	-539.41	-1260.97	6449.94	1596.94	-345.25	95.00	7.40	6.16	8.49
	6804.00	38.35	338.53	355.5	-490.68	-1284.20	6526.79	1673.79	-293.60	94.00	8.62	6.78	9.30
	6899.00	46.93	341.33	177.0	-430.26	-1306.14	6596.62	1743.62	-230.58	95.00	9.25	9.03	2.95
	6993.00	55.51	341.37	182.5	-360.90	-1329.55	6655.44	1802.44	-158.50	94.00	9.13	9.13	0.04
	7087.00	65.46	346.23	182.5	-282.43	-1352.17	6701.71	1848.71	-77.54	94.00	11.50	10.59	5.17
	7182.00	71.33	353.58	185.2	-195.56	-1367.52	6736.72	1883.72	10.65	95.00	9.48	6.18	7.74
	7277.00	81.13	359.81	187.9	-103.60	-1372.72	6759.32	1906.32	102.35	95.00	12.12	10.32	6.56
	7371.00	89.32	4.44	190.6	-10.10	-1369.23	6767.15	1914.15	194.29	94.00	10.00	8.71	4.93
	7466.00	90.06	6.31	193.3	84.47	-1360.33	6767.66	1914.66	286.48	95.00	2.12	0.78	1.97
	7560.00	89.94	5.14	193.3	178.00	-1350.96	6767.66	1914.66	377.56	94.00	1.25	-0.13	-1.24
	7654.00	90.03	3.08	198.7	271.76	-1344.22	6767.68	1914.68	469.26	94.00	2.19	0.10	-2.19
	7748.00	89.85	357.52	190.6	365.72	-1343.73	6767.78	1914.78	562.10	94.00	5.92	-0.19	-5.91
	7843.00	89.88	352.08	209.5	460.29	-1352.34	6768.01	1915.01	656.90	95.00	5.73	0.03	-5.73
	7937.00	89.94	353.24	198.7	553.52	-1364.34	6768.15	1915.15	750.87	94.00	1.24	0.06	1.23
	8032.00	91.05	358.76	198.7	648.25	-1370.97	6767.33	1914.33	845.53	95.00	5.93	1.17	5.81
	8126.00	90.68	358.64	201.4	742.21	-1373.10	6765.91	1912.91	938.76	94.00	0.41	-0.39	-0.13
	8221.00	90.00	359.32	206.8	837.19	-1374.79	6765.35	1912.35	1032.93	95.00	1.01	-0.72	0.72
	8315.00	90.28	359.98	206.8	931.19	-1375.37	6765.12	1912.12	1125.96	94.00	0.76	0.30	0.70
	8410.00	89.91	358.93	209.5	1026.19	-1376.27	6764.96	1911.96	1220.03	95.00	1.17	-0.39	-1.11
	8504.00	89.94	358.81	209.5	1120.17	-1378.12	6765.09	1912.09	1313.23	94.00	0.13	0.03	-0.13
	8599.00	89.72	359.16	212.2	1215.15	-1379.81	6765.37	1912.37	1407.41	95.00	0.44	-0.23	0.37
	8693.00	89.91	359.72	212.2	1309.15	-1380.73	6765.67	1912.67	1500.49	94.00	0.63	0.20	0.60
	8788.00	89.88	359.59	214.9	1404.14	-1381.30	6765.85	1912.85	1594.51	95.00	0.14	-0.03	-0.14
	8882.00	89.82	359.40	214.9	1498.14	-1382.13	6766.09	1913.09	1687.57	94.00	0.21	-0.06	-0.20
	8977.00	89.85	359.29	217.6	1593.13	-1383.21	6766.36	1913.36	1781.67	95.00	0.12	0.03	-0.12
	9072.00	89.69	359.29	217.6	1688.13	-1384.39	6766.75	1913.75	1875.77	95.00	0.17	-0.17	0.00
	9166.00	89.69	359.10	220.3	1782.12	-1385.71	6767.25	1914.25	1968.90	94.00	0.20	-0.00	-0.20
	9261.00	89.72	359.64	220.3	1877.11	-1386.75	6767.74	1914.74	2062.99	95.00	0.57	0.03	0.57
	9355.00	89.69	359.67	220.3	1971.10	-1387.32	6768.23	1915.23	2156.02	94.00	0.05	-0.03	0.03
	9450.00	89.82	359.56	223.0	2066.10	-1387.96	6768.63	1915.63	2250.05	95.00	0.18	0.14	-0.12
	9544.00	89.75	359.65	223.0	2160.10	-1388.61	6768.99	1915.99	2343.09	94.00	0.12	-0.07	0.10
	9639.00	89.72	359.63	225.7	2255.10	-1389.20	6769.43	1916.43	2437.11	95.00	0.04	-0.03	-0.02
	9734.00	89.82	359.70	225.7	2350.09	-1389.76	6769.81	1916.81	2531.13	95.00	0.13	0.11	0.07
	9828.00	89.75	359.74	225.7	2444.09	-1390.22	6770.16	1917.16	2624.15	94.00	0.09	-0.07	0.04
	9923.00	90.37	358.71	225.7	2539.08	-1391.50	6770.06	1917.06	2718.26	95.00	1.27	0.65	-1.08
	10017.00	90.62	359.44	228.4	2633.06	-1393.02	6769.25	1916.25	2811.42	94.00	0.82	0.27	0.78
	10112.00	90.55	359.77	231.1	2728.06	-1393.68	6768.28	1915.28	2905.45	95.00	0.36	-0.07	0.35
	10206.00	90.43	359.44	231.1	2822.05	-1394.32	6767.47	1914.47	2998.49	94.00	0.37	-0.13	-0.35
	10300.00	90.43	359.35	231.1	2916.04	-1395.32	6766.77	1913.77	3091.58	94.00	0.10	-0.00	-0.10
	10395.00	90.37	358.71	231.1	3011.03	-1396.92	6766.11	1913.11	3185.74	95.00	0.68	-0.06	-0.67
	10489.00	90.46	359.90	233.8	3105.02	-1398.06	6765.43	1912.43	3278.84	94.00	1.27	0.10	1.27
	10583.00	90.37	359.39	233.8	3199.01	-1398.65	6764.74	1911.74	3371.87	94.00	0.55	-0.10	-0.54
	10678.00	90.52	359.54	233.8	3294.00	-1399.53	6764.01	1911.01	3465.94	95.00	0.22	0.16	0.16
	10772.00	90.43	358.87	236.5	3387.99	-1400.84	6763.23	1910.23	3559.07	94.00	0.72	-0.10	-0.71
	10867.00	90.31	359.09	236.5	3482.97	-1402.53	6762.61	1909.61	3653.24	95.00	0.26	-0.13	0.23
	10962.00	90.68	0.04	236.5	3577.97	-1403.25	6761.79	1908.79	3747.28	95.00	1.07	0.39	1.00
	11056.00	90.46	359.50	236.5	3671.96	-1403.63	6760.86	1907.86	3840.27	94.00	0.62	-0.23	-0.57
	11180.00	90.49	358.88	231.1	3795.94	-1405.38	6759.83	1906.83	3963.13	124.00	0.50	0.02	-0.50
	11274.00	90.15	359.51	233.8	3889.93	-1406.70	6759.31	1906.31	4056.26	94.00	0.76	-0.36	0.67
	11369.00	90.34	359.46	233.8	3984.93	-1407.55	6758.90	1905.90	4150.32	95.00	0.21	0.20	-0.05
	11463.00	90.40	359.74	236.5	4078.92	-1408.21	6758.29	1905.29	4243.37	94.00	0.30	0.06	0.30
	11558.00	90.15	359.14	233.8	4173.92	-1409.14	6757.84	1904.84	4337.43	95.00	0.68	-0.26	-0.63
	11652.00	90.25	359.43	236.5	4267.91	-1410.31	6757.51	1904.51	4430.55	94.00	0.33	0.11	0.31
	11746.00	90.31	359.09	236.5	4361.90	-1411.53	6757.05	1904.05	4523.67	94.00	0.37	0.06	-0.36
	11841.00	90.15	359.14	239.2	4456.89	-1412.99	6756.67	1903.67	4617.81	95.00	0.18	-0.17	0.05
	11935.00	90.31	359.61	239.2	4550.88	-1414.02	6756.29	1903.29	4710.91	94.00	0.53	0.17	0.50

	12030.00	90.22	359.38	271.7	4645.88	-1414.86	6755.85	1902.85	4804.97	95.00	0.26	-0.09	-0.24
	12125.00	90.28	359.08	241.9	4740.87	-1416.13	6755.44	1902.44	4899.08	95.00	0.32	0.06	-0.32
	12219.00	90.31	359.29	241.9	4834.86	-1417.47	6754.95	1901.95	4992.22	94.00	0.23	0.03	0.22
	12314.00	90.31	359.17	241.9	4929.85	-1418.75	6754.44	1901.44	5086.34	95.00	0.13	-0.00	-0.13
	12408.00	90.34	359.59	244.6	5023.84	-1419.76	6753.90	1900.90	5179.43	94.00	0.45	0.03	0.45
	12503.00	90.34	359.67	244.6	5118.84	-1420.38	6753.34	1900.34	5273.45	95.00	0.08	-0.00	0.08
	12597.00	90.31	359.34	247.3	5212.83	-1421.19	6752.81	1899.81	5366.52	94.00	0.35	-0.03	-0.35
	12692.00	90.40	359.52	247.3	5307.82	-1422.13	6752.22	1899.22	5460.59	95.00	0.21	0.09	0.19
	12787.00	90.37	359.26	247.3	5402.82	-1423.15	6751.58	1898.58	5554.67	95.00	0.28	-0.03	-0.27
	12881.00	90.31	359.34	247.3	5496.81	-1424.29	6751.02	1898.02	5647.78	94.00	0.11	-0.06	0.09
	12976.00	90.37	359.52	247.3	5591.80	-1425.24	6750.46	1897.46	5741.85	95.00	0.20	0.06	0.19
	13070.00	90.37	359.22	247.3	5685.79	-1426.27	6749.85	1896.85	5834.95	94.00	0.32	0.00	-0.32
	13165.00	90.37	359.32	250.0	5780.78	-1427.48	6749.24	1896.24	5929.05	95.00	0.11	-0.00	0.11
	13259.00	90.49	359.75	250.0	5874.78	-1428.25	6748.53	1895.53	6022.11	94.00	0.47	0.13	0.46
	13354.00	90.15	358.90	250.0	5969.77	-1429.37	6748.00	1895.00	6116.21	95.00	0.96	-0.36	-0.89
	13448.00	90.40	358.90	250.0	6063.75	-1431.17	6747.55	1894.55	6209.40	94.00	0.27	0.27	0.00
	13637.00	90.06	358.75	250.0	6252.71	-1435.05	6746.79	1893.79	6396.83	189.00	0.20	-0.18	-0.08
	13732.00	89.45	357.77	250.0	6347.66	-1437.93	6747.20	1894.20	6491.15	95.00	1.22	-0.64	-1.03
	13826.00	89.66	358.79	252.7	6441.62	-1440.75	6747.93	1894.93	6584.47	94.00	1.11	0.22	1.09
	13921.00	89.97	358.45	252.7	6536.59	-1443.04	6748.24	1895.24	6678.72	95.00	0.48	0.33	-0.36
	14110.00	90.40	358.91	252.7	6725.54	-1447.39	6747.63	1894.63	6866.20	189.00	0.33	0.23	0.24
	14204.00	90.40	358.77	252.7	6819.51	-1449.30	6746.97	1893.97	6959.41	94.00	0.15	-0.00	-0.15
	14299.00	90.40	358.65	255.4	6914.49	-1451.43	6746.31	1893.31	7053.64	95.00	0.13	0.00	-0.13
	14394.00	89.97	358.50	255.4	7009.46	-1453.80	6746.00	1893.00	7147.90	95.00	0.48	-0.45	-0.16
	14489.00	89.97	359.01	255.4	7104.43	-1455.86	6746.05	1893.05	7242.13	95.00	0.54	0.00	0.54
	14583.00	90.46	359.84	255.4	7198.43	-1456.80	6745.70	1892.70	7335.21	94.00	1.03	0.52	0.88
	14772.00	90.46	359.44	258.1	7387.42	-1457.99	6744.18	1891.18	7522.26	189.00	0.21	0.00	-0.21
	14961.00	90.49	359.25	258.1	7576.40	-1460.15	6742.61	1889.61	7709.45	189.00	0.10	0.02	-0.10
	15150.00	90.43	359.47	260.8	7765.38	-1462.26	6741.09	1888.09	7896.63	189.00	0.12	-0.03	0.12
	15244.00	90.52	359.85	260.8	7859.38	-1462.82	6740.32	1887.32	7989.66	94.00	0.42	0.10	0.40
	15339.00	90.52	359.38	260.8	7954.37	-1463.46	6739.45	1886.45	8083.68	95.00	0.49	-0.00	-0.49
	15434.00	90.46	359.52	258.1	8049.36	-1464.37	6738.64	1885.64	8177.75	95.00	0.16	-0.06	0.15
	15528.00	90.52	359.56	255.4	8143.36	-1465.13	6737.84	1884.84	8270.80	94.00	0.08	0.06	0.04
	15623.00	90.46	358.73	252.7	8238.34	-1466.54	6737.02	1884.02	8364.93	95.00	0.88	-0.06	-0.87
	15717.00	90.49	358.97	255.4	8332.32	-1468.43	6736.25	1883.25	8458.14	94.00	0.26	0.03	0.26
	15812.00	90.55	359.05	255.4	8427.30	-1470.07	6735.38	1882.38	8552.31	95.00	0.11	0.06	0.08
	15906.00	90.40	359.28	255.4	8521.29	-1471.44	6734.60	1881.60	8645.45	94.00	0.29	-0.16	0.24
	16000.00	90.40	359.41	255.4	8615.28	-1472.52	6733.95	1880.95	8738.55	94.00	0.14	-0.00	0.14
	16095.00	90.46	359.05	258.1	8710.27	-1473.79	6733.23	1880.23	8832.66	95.00	0.38	0.06	-0.38
	16189.00	90.40	358.98	258.1	8804.25	-1475.41	6732.53	1879.53	8925.83	94.00	0.10	-0.06	-0.07
	16283.00	90.31	359.13	258.1	8898.24	-1476.96	6731.95	1878.95	9019.00	94.00	0.19	-0.10	0.16
	16378.00	90.46	359.43	258.1	8993.23	-1478.15	6731.31	1878.31	9113.10	95.00	0.35	0.16	0.32
	16473.00	90.43	359.32	258.1	9088.22	-1479.19	6730.57	1877.57	9207.19	95.00	0.12	-0.03	-0.12
	16567.00	90.49	359.41	258.1	9182.21	-1480.23	6729.82	1876.82	9300.28	94.00	0.12	0.06	0.10
	16662.00	90.31	359.32	258.1	9277.20	-1481.28	6729.15	1876.15	9394.37	95.00	0.21	-0.19	-0.09
	16756.00	90.31	0.04	258.1	9371.20	-1481.81	6728.64	1875.64	9487.39	94.00	0.77	-0.00	0.77
	16851.00	90.22	359.36	260.8	9466.19	-1482.31	6728.20	1875.20	9581.40	95.00	0.72	-0.09	-0.72
	16945.00	90.49	359.42	258.1	9560.19	-1483.31	6727.62	1874.62	9674.49	94.00	0.29	0.29	0.06
	17040.00	90.49	0.66	258.1	9655.18	-1483.24	6726.81	1873.81	9768.41	95.00	1.31	0.00	1.31
	17134.00	90.62	0.34	260.8	9749.17	-1482.42	6725.90	1872.90	9861.23	94.00	0.37	0.14	-0.34
	17200.00	90.31	0.03	258.1	9815.17	-1482.21	6725.36	1872.36	9926.45	66.00	0.66	-0.47	-0.47
Projection	17224.00	90.31	0.03	N/A	9839.17	-1482.19	6725.23	1872.23	9950.18	24.00	0.00	0.01	-0.00