

Carl Riehn	Website	Website	Website	Website	Website	Website	Website	Website
	2021-10-28	2021-11-01	Marco Favela	2021-10-28	2021-11-01	Michael Gurnsey	2021-10-28	2021-11-01
Sherman Pugh	2021-10-28	2021-11-01	Tien Bui	2021-10-28	2021-11-01			

Witness

Name	Run
Drew Greedes	1,2

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+ (%)
2021-10-27 21:25	1	1940.00	Oil Based Mud	9.3	10	N/A	17.5	79.5/20.5	Active Pit	25500	0.00
2021-10-30 08:14	1	12230.00	Oil Based Mud	10.2	15	N/A	18.0	78.6/21.4	Active Pit	27500	0.00
2021-10-30 16:25	2	12511.00	Oil Based Mud	10.2	15	N/A	18.0	78.6/21.4	Active Pit	27500	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	12099245	Near Bit Inclination	5.93	6.77	7.000	4.330
1	AutoTrak Curve Steering Unit	12099245	Near Bit VSS	5.93	6.77	7.000	4.330
1	AutoTrak Curve MWD	12304801	Gamma (single)	2.78	12.94	7.000	3.250
1	AutoTrak Curve MWD	12304801	Directional (mag)	12.27	22.43	7.000	3.250
2	AutoTrak Curve Steering Unit	15141454	Near Bit VSS	5.93	6.77	7.000	4.330
2	AutoTrak Curve Steering Unit	15141454	Near Bit Inclination	5.93	6.77	7.000	4.330
2	AutoTrak Curve MWD	14880556	Gamma (single)	2.76	12.94	7.000	3.250
2	AutoTrak Curve MWD	14880556	Directional (mag)	12.27	22.45	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	Baker Hughes Company runs 1 and2 utilized 6 ¾ inch NaviGamma services (Gamma Ray and Directional) behind an 8 ½ inch PDC bit and rotary steerable assembly from 1940 to 17605 feet MD (1940 to 6811 feet TVD).
2	Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to a lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified and the unverified depths as supplied to Baker Hughes are being used to present logging data.
3	The Gamma Ray Apparent (GRAM) data is presented 0 to 300 API per the customer's request.
4	Several gaps appear in the log due to drilling ahead before the assembly had time to properly power on.

Remarks

Number	Depth (ft)	Hole Section (in)	Run No.	Remark
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Gamma Ray - Apparent 0.5 ft Average GRAM		TVD 1:240 feet	Depth Averaged ROP 3 ft Average ROPA				Weight On Bit, Average 1 ft Average WOBA			
0 300			1000 0				0 50			
API			ft/h				klb			
							Downhole Temperature TCDM			
		1900					0 300			
							degF			

GRAM

9 5/8" Casing

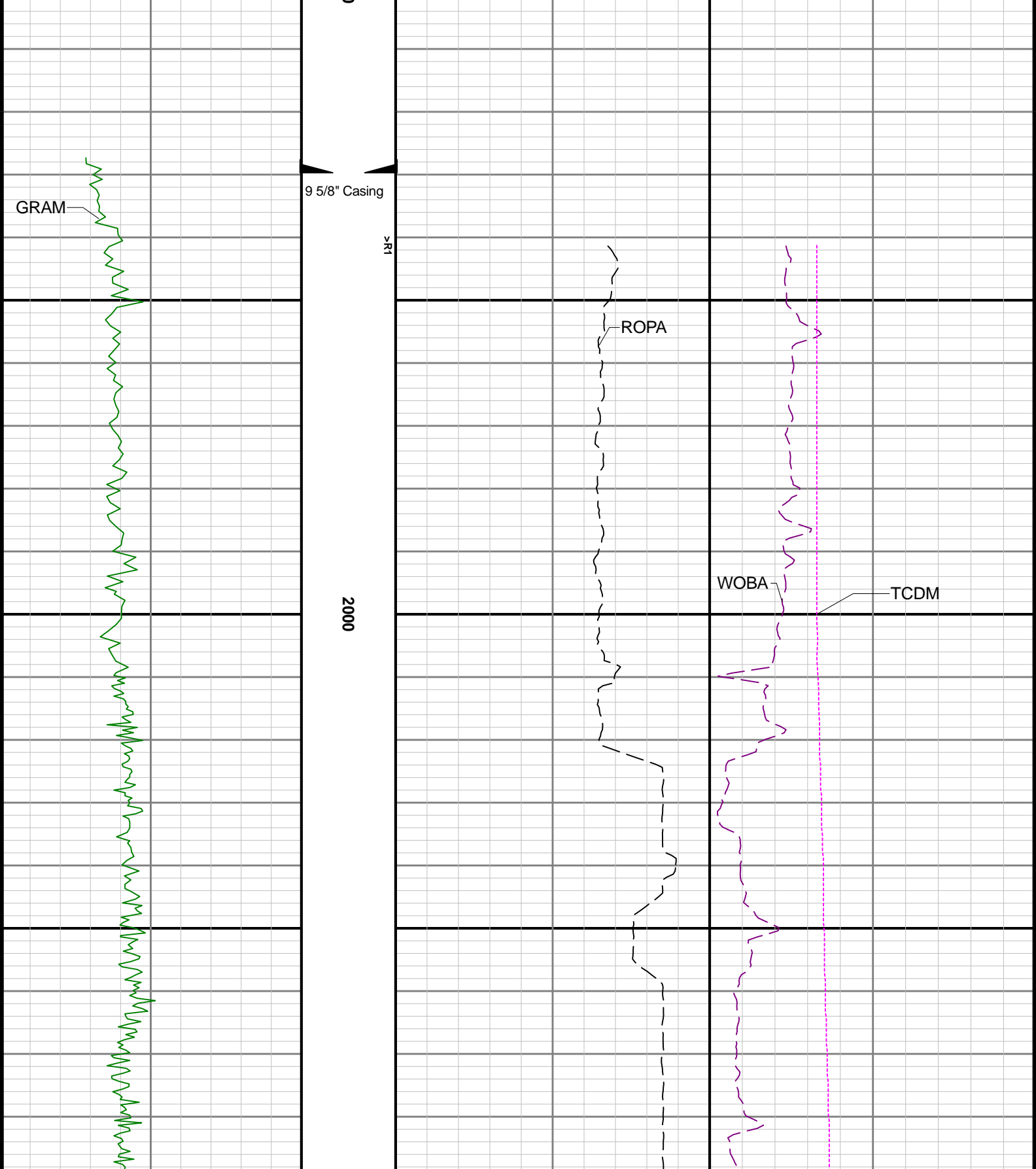
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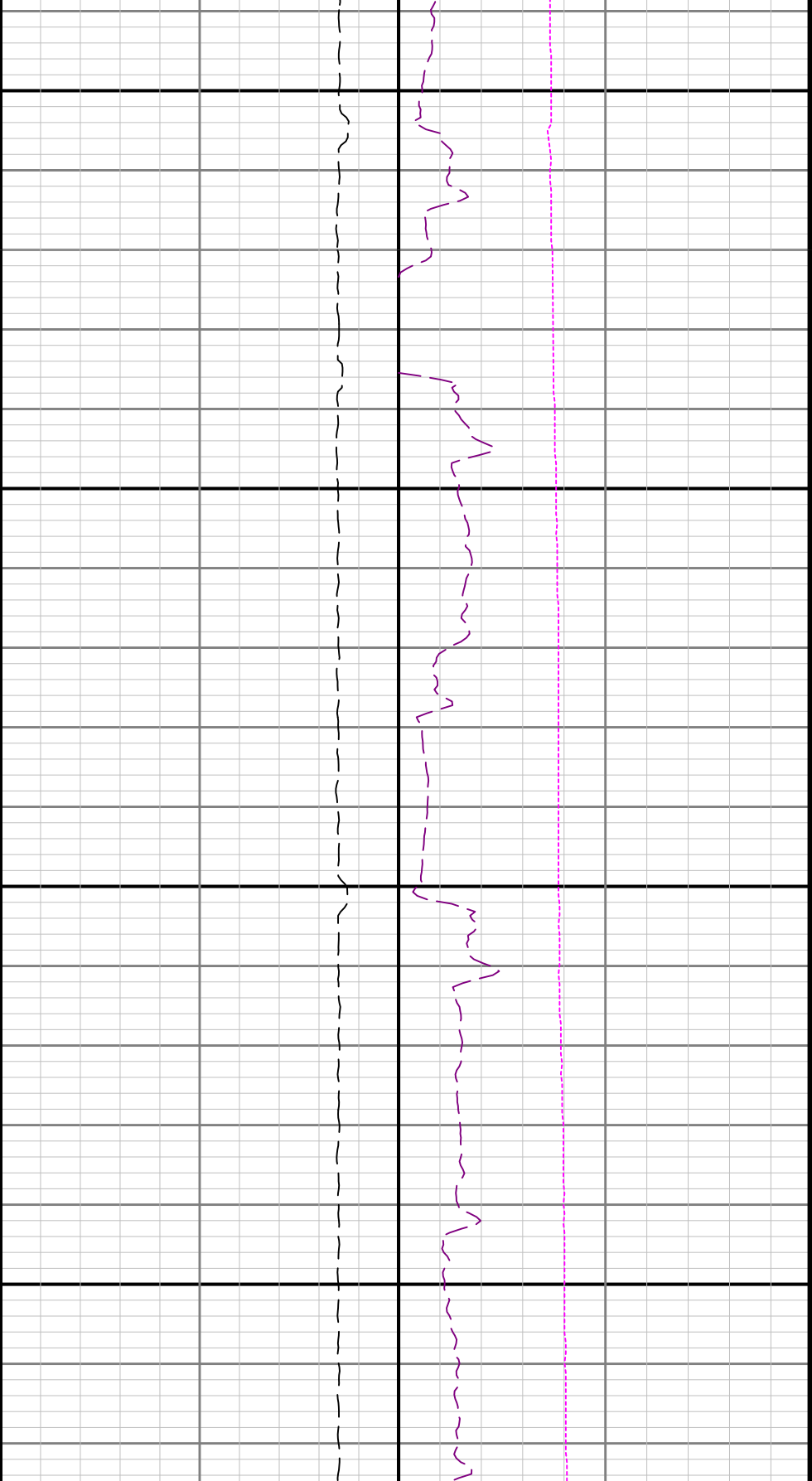
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ROPA

WOBA

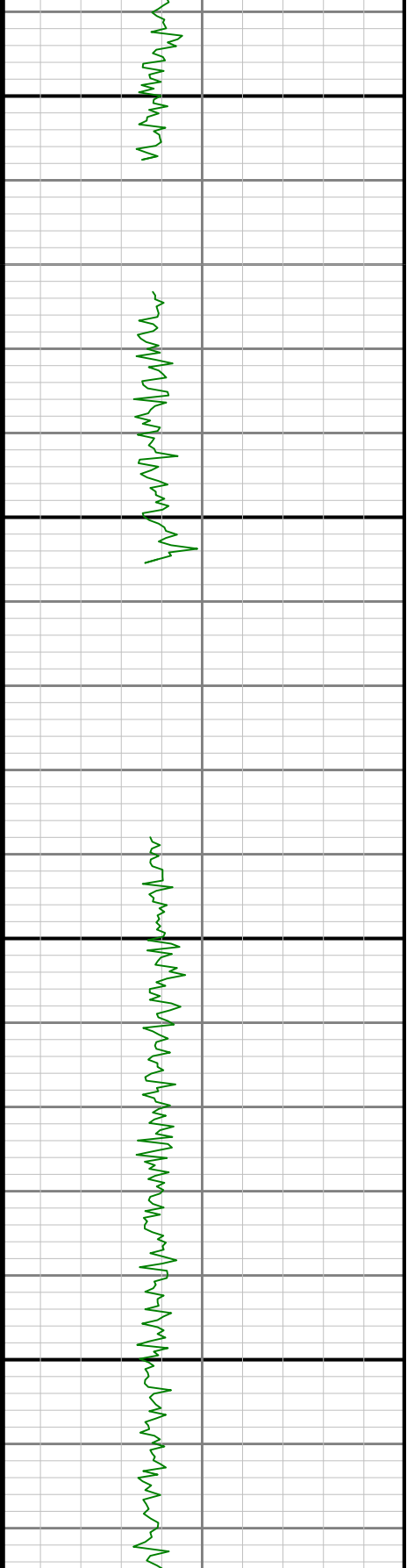
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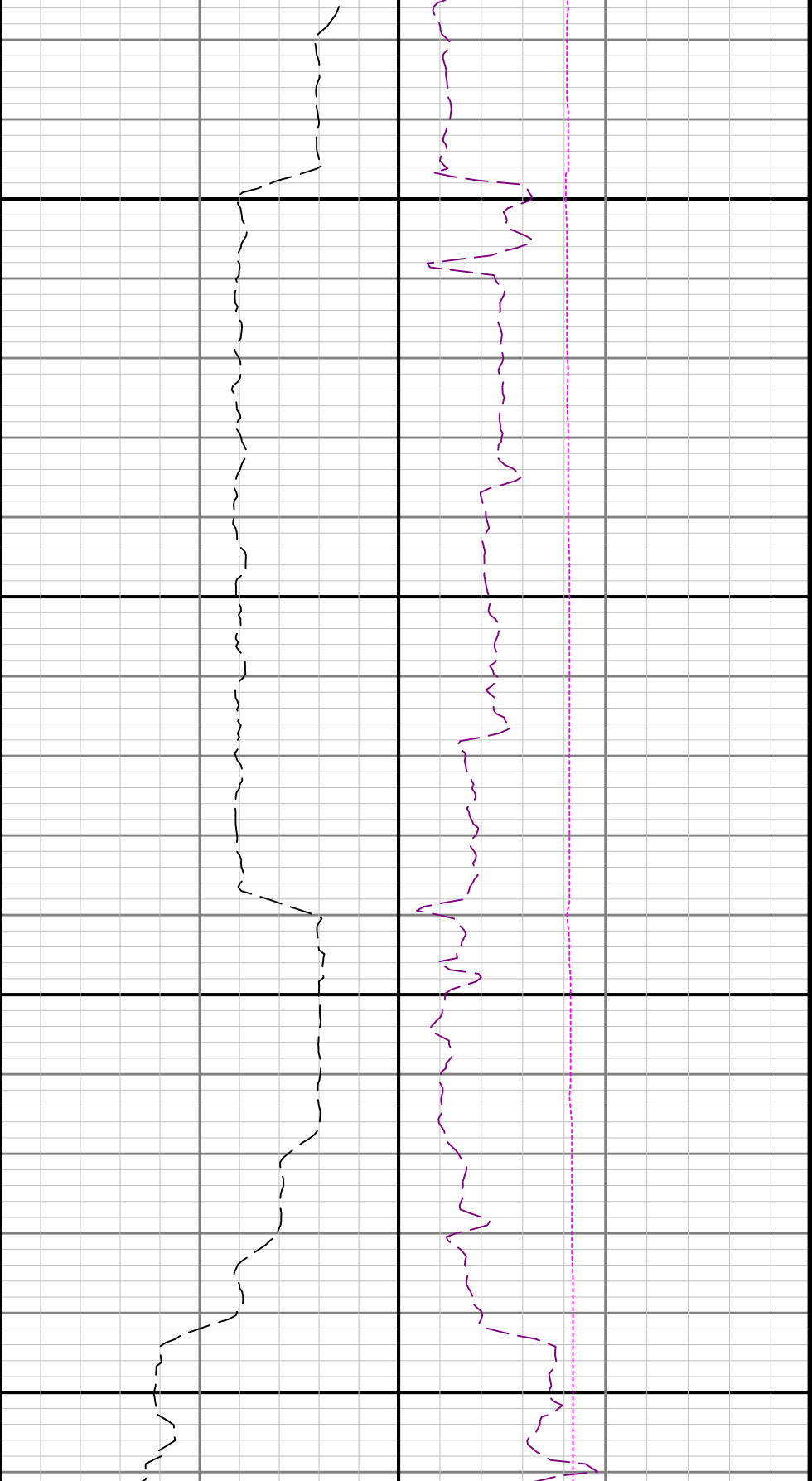




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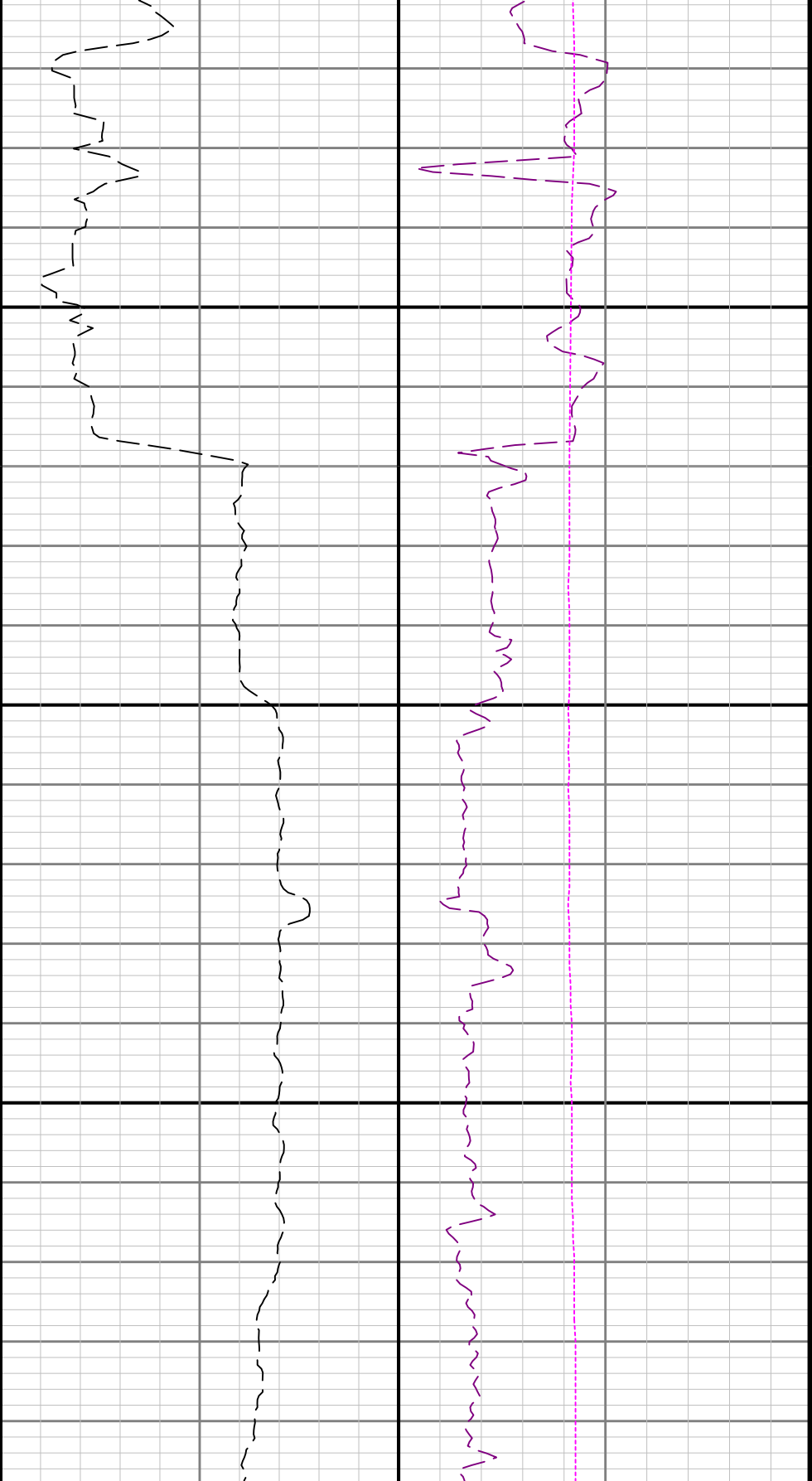
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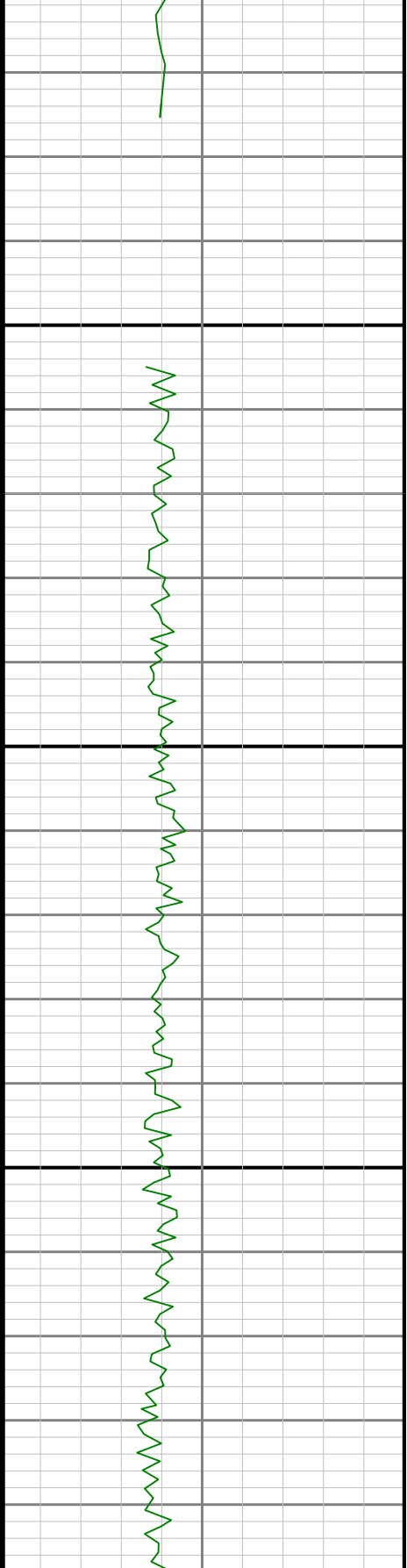
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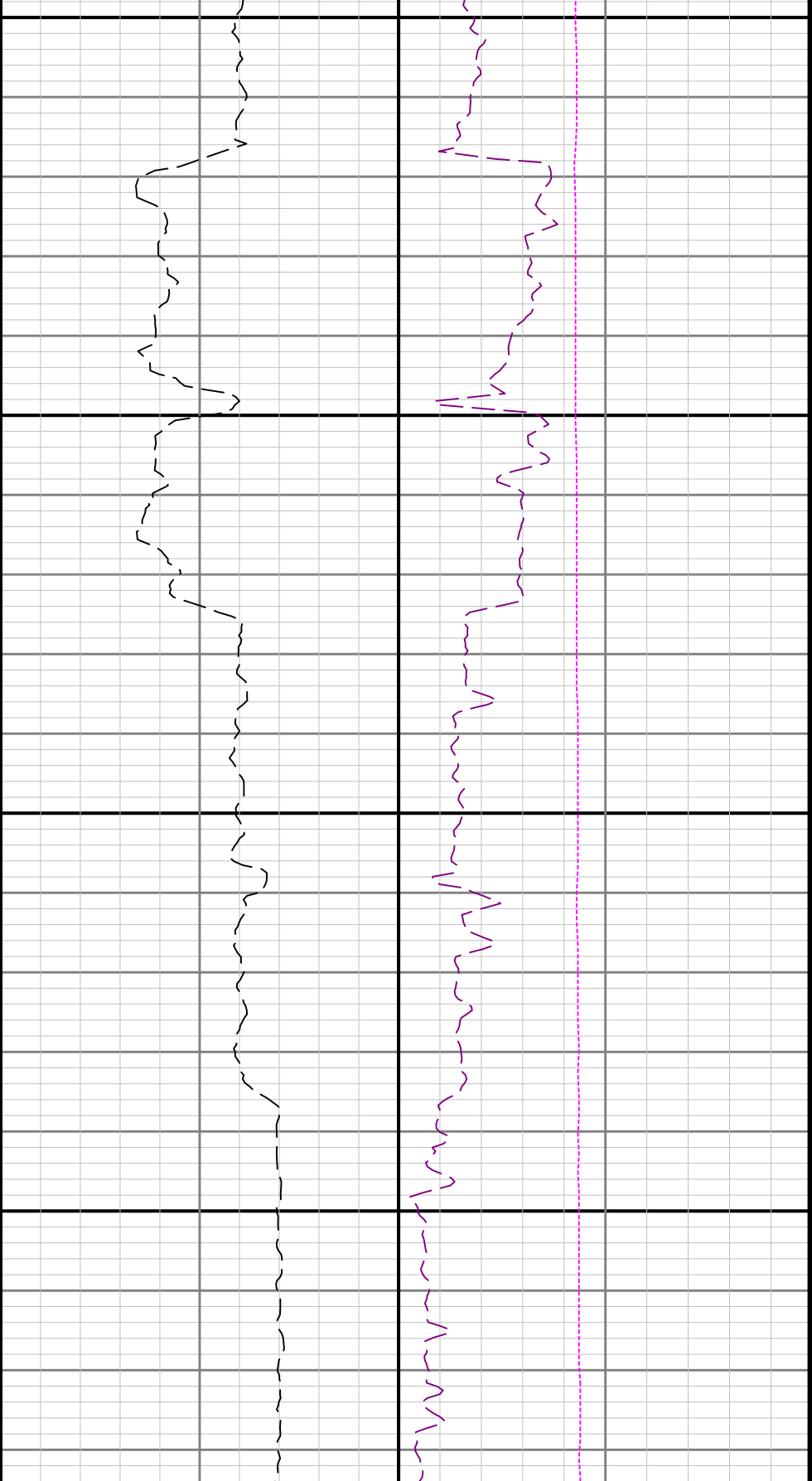
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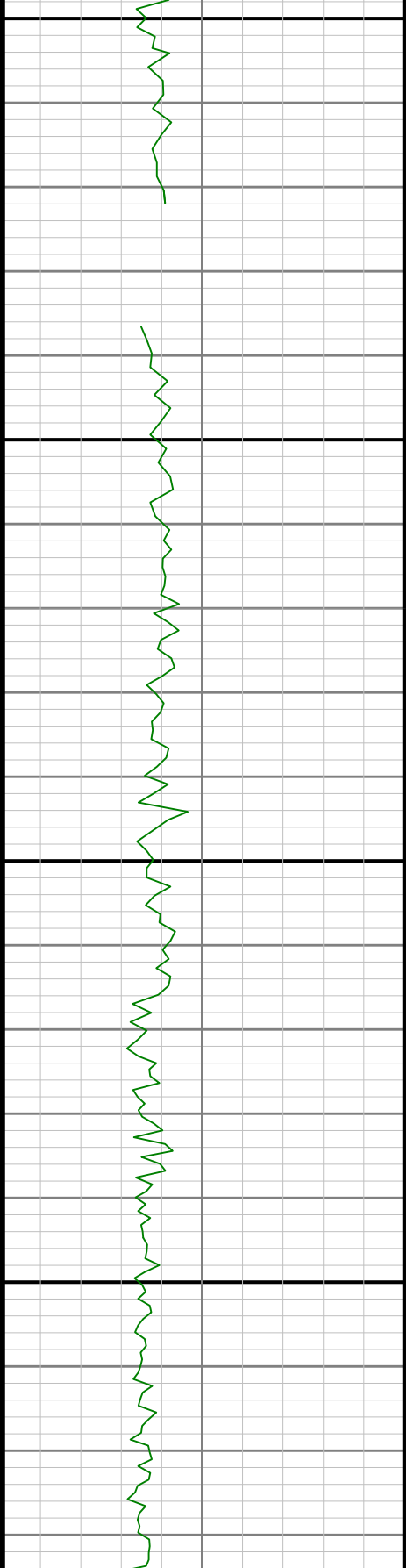
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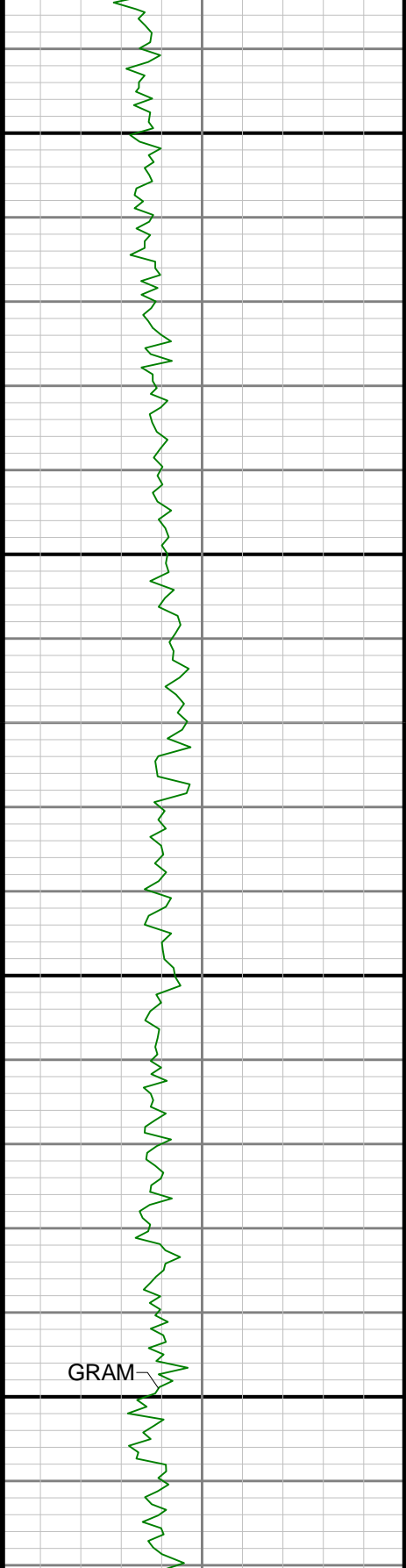




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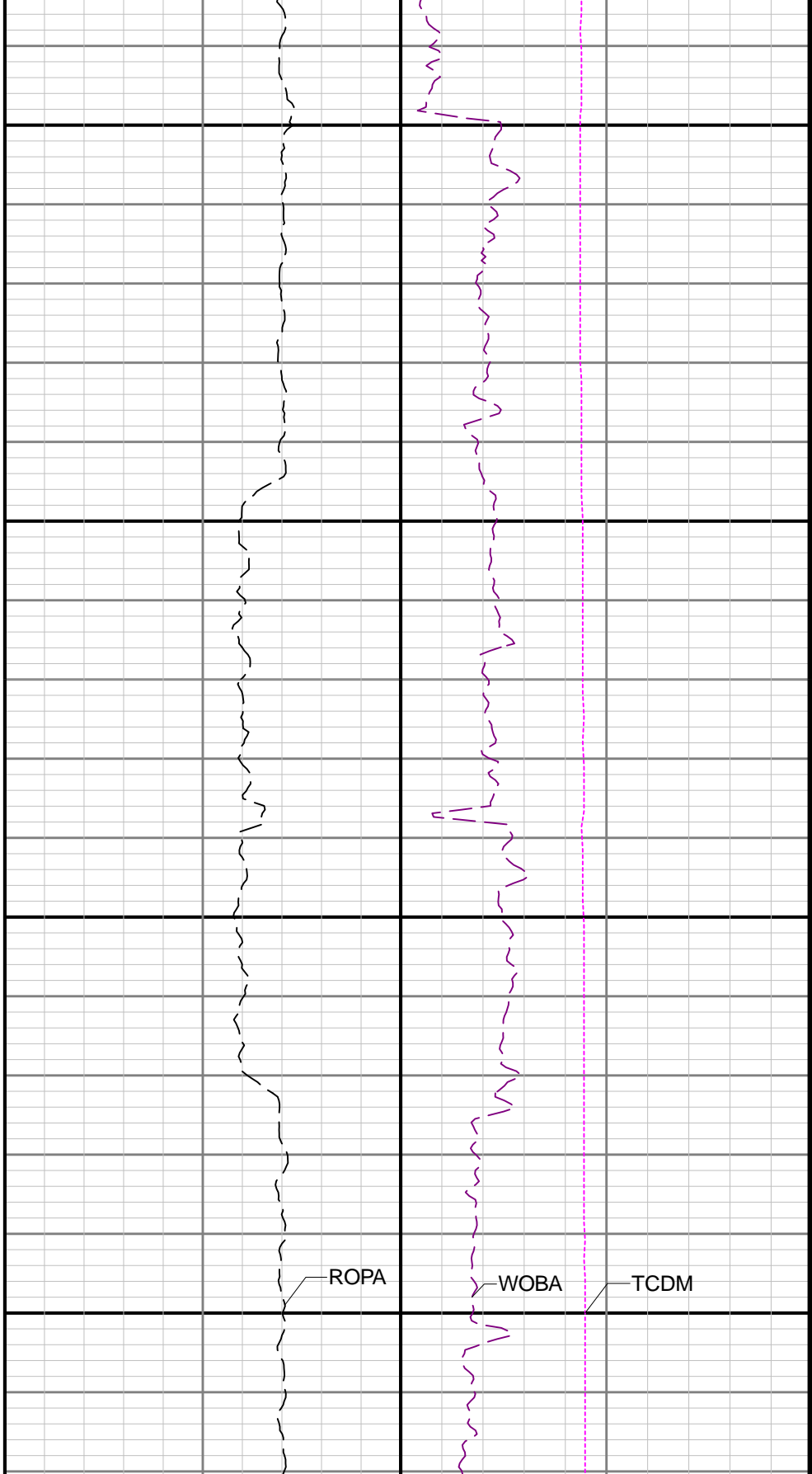
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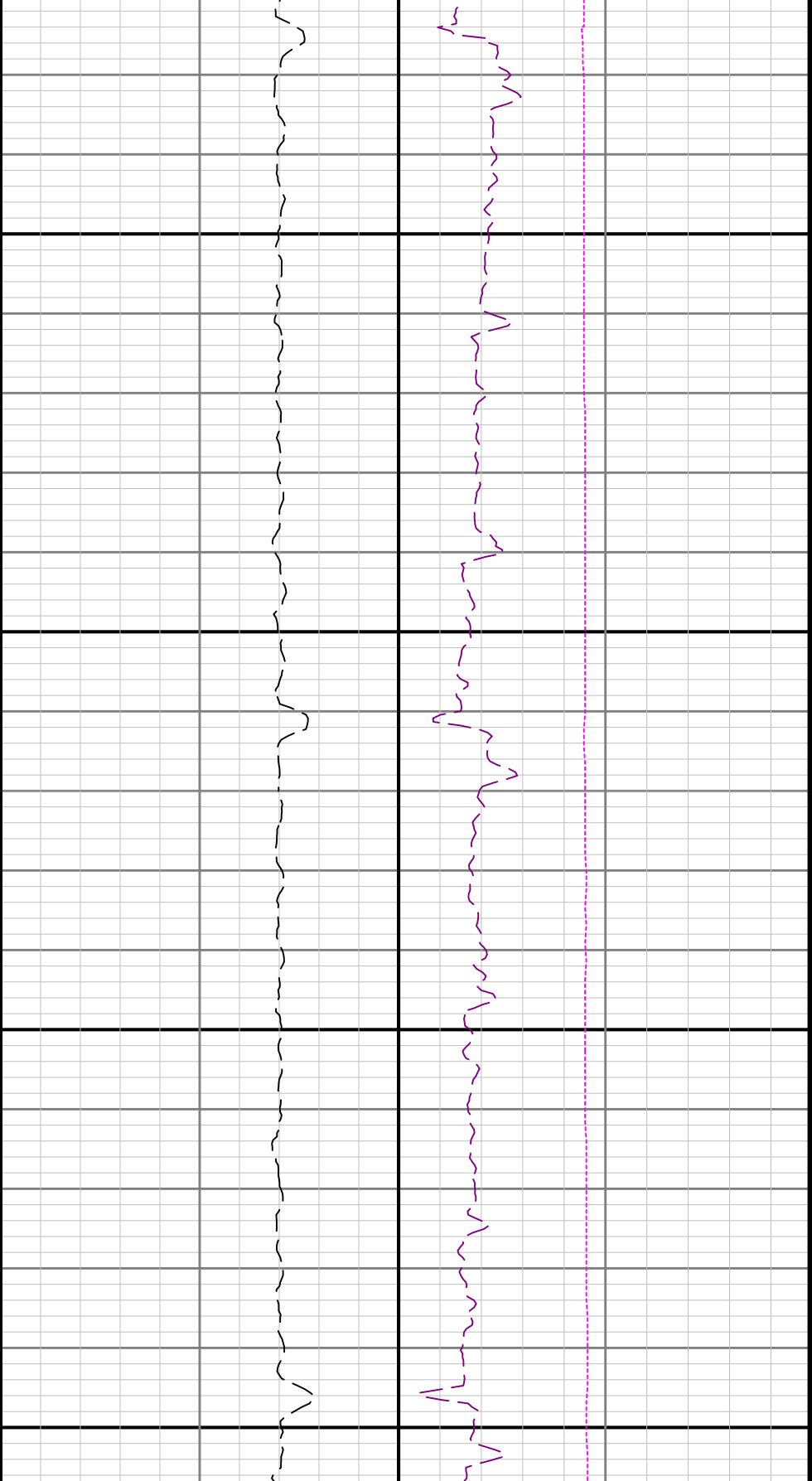




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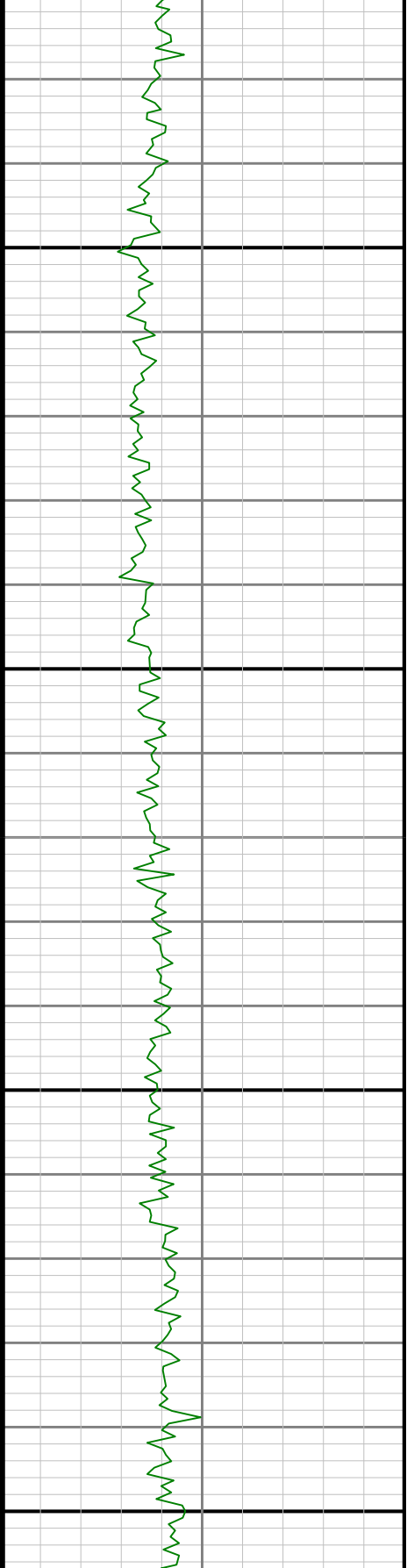
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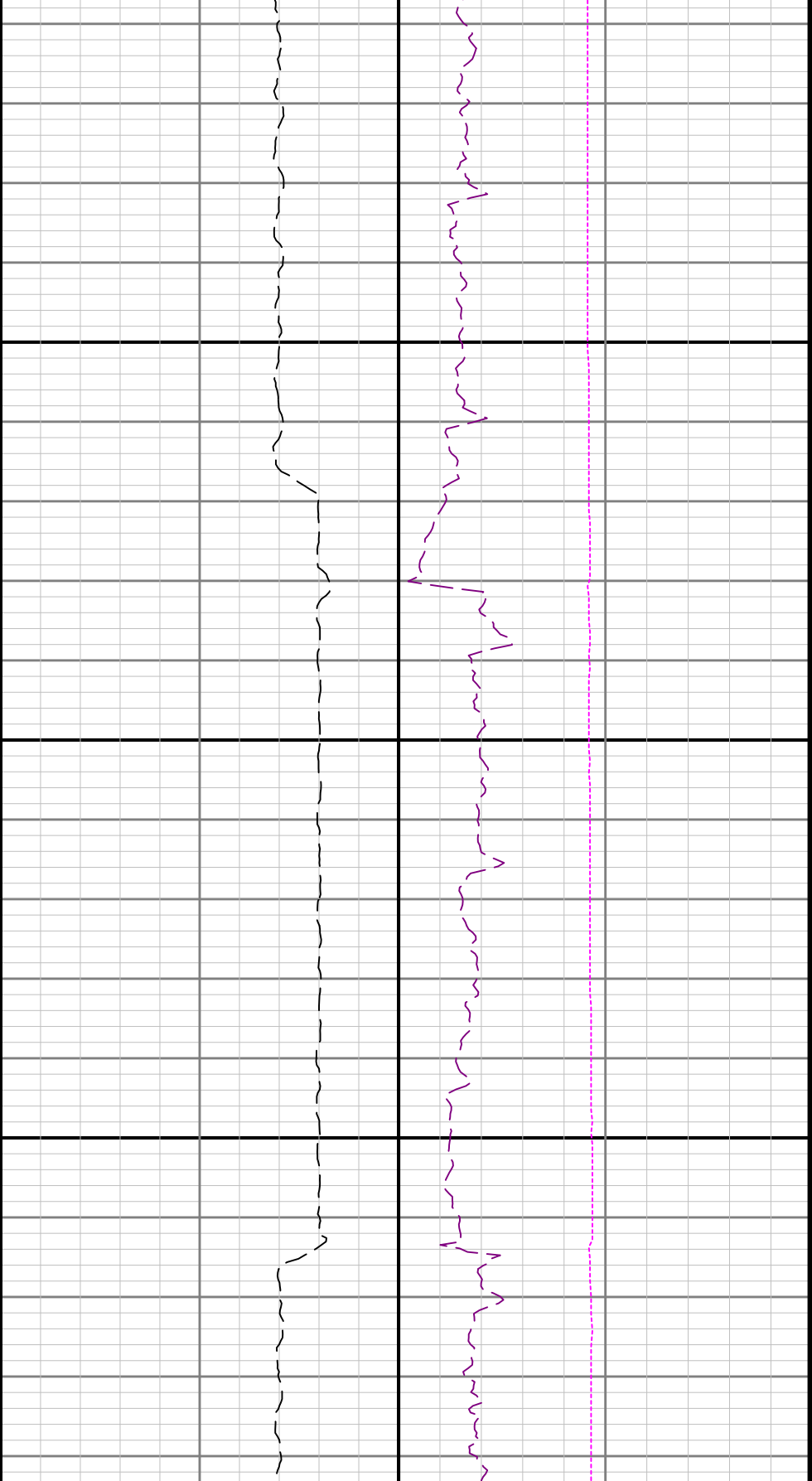




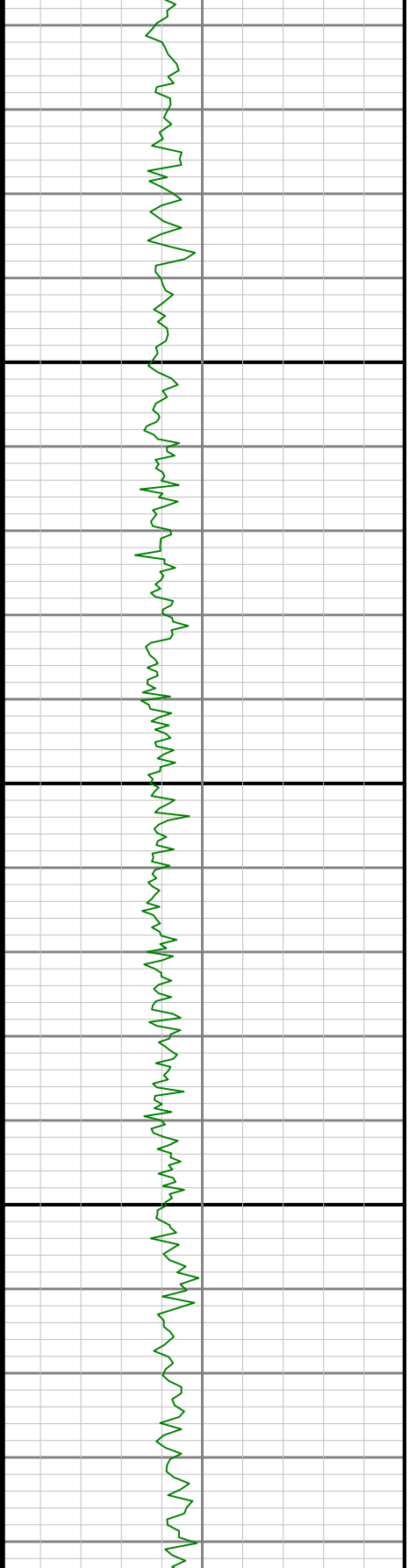
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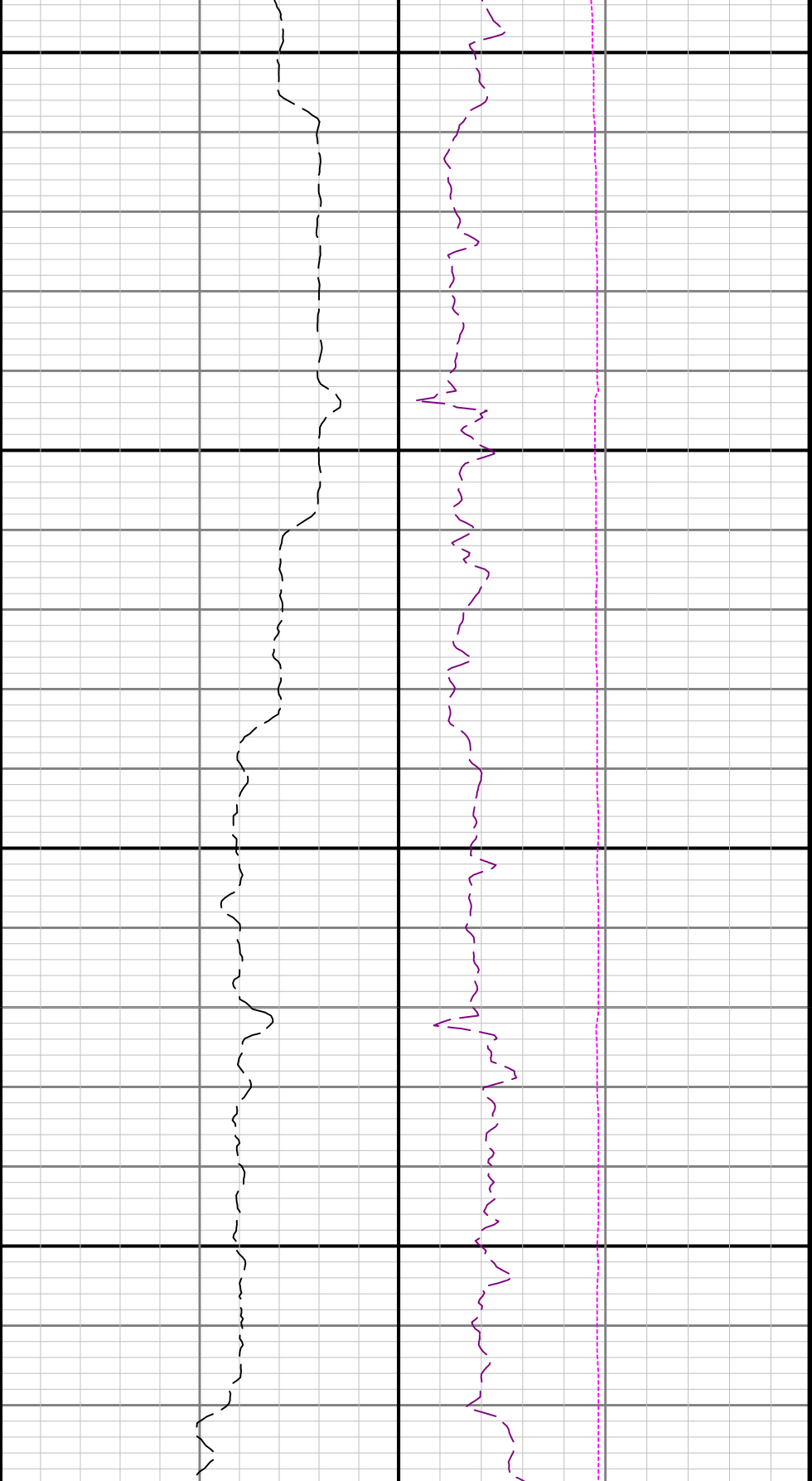
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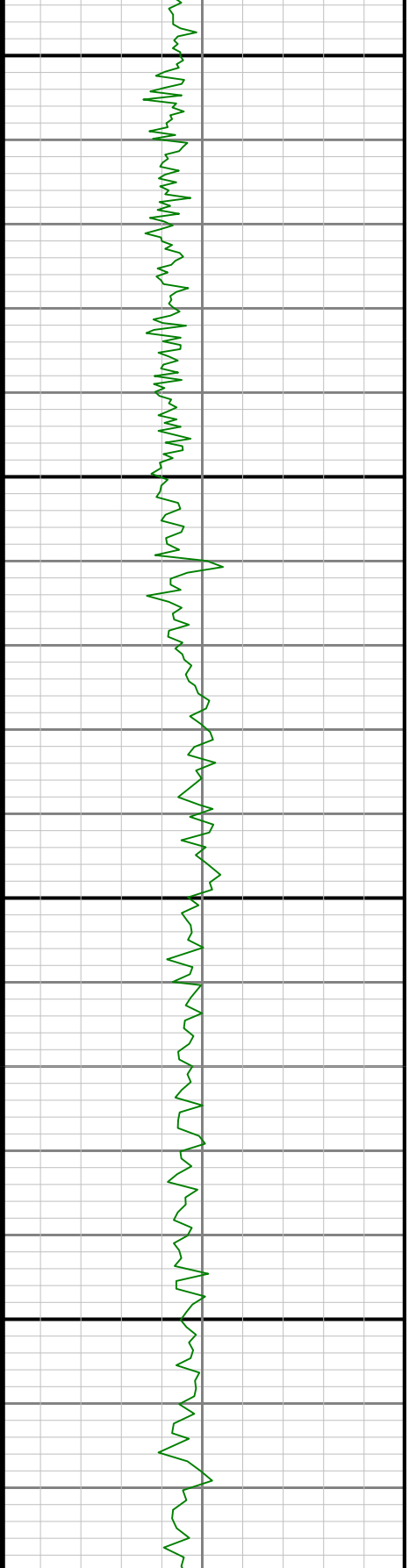
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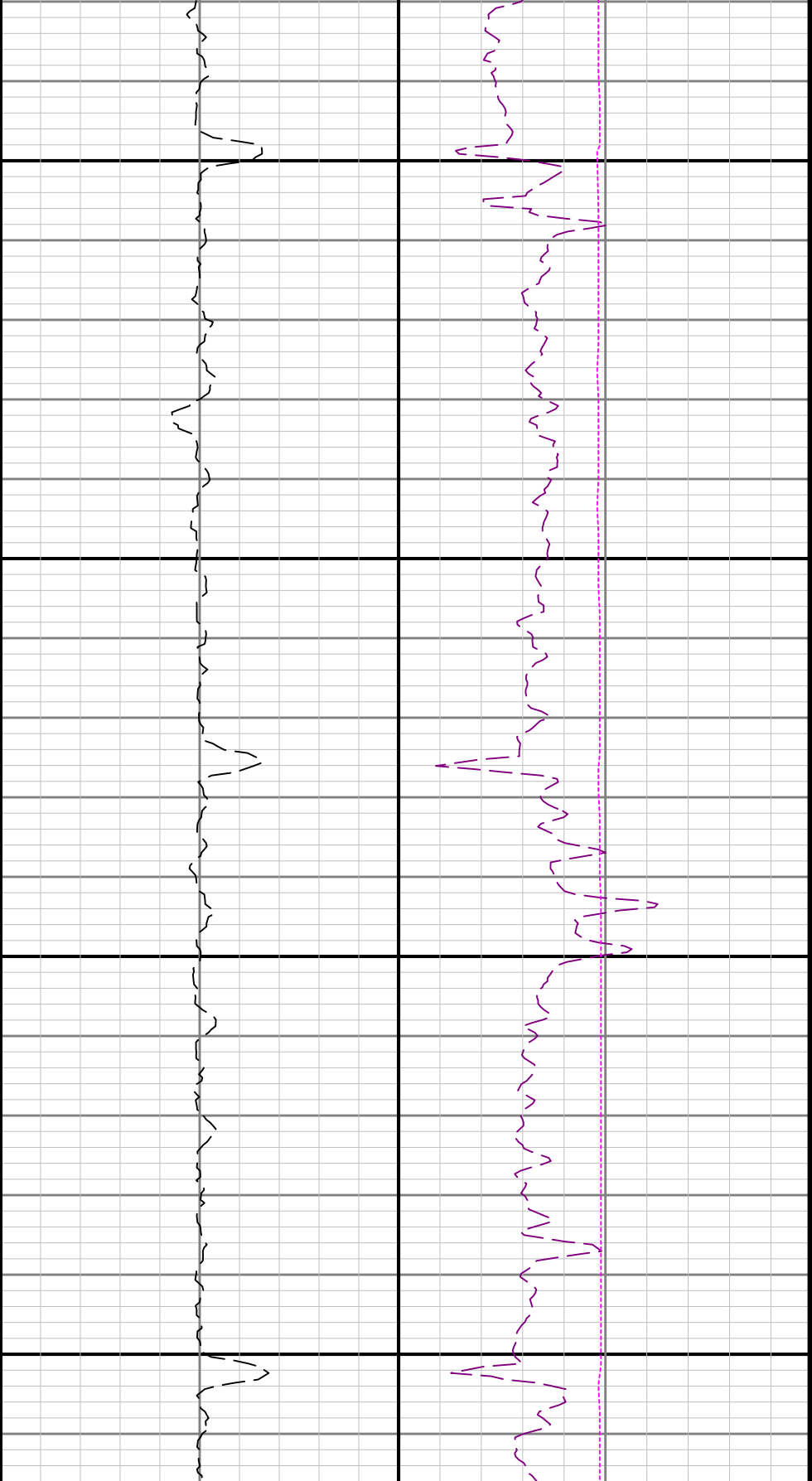




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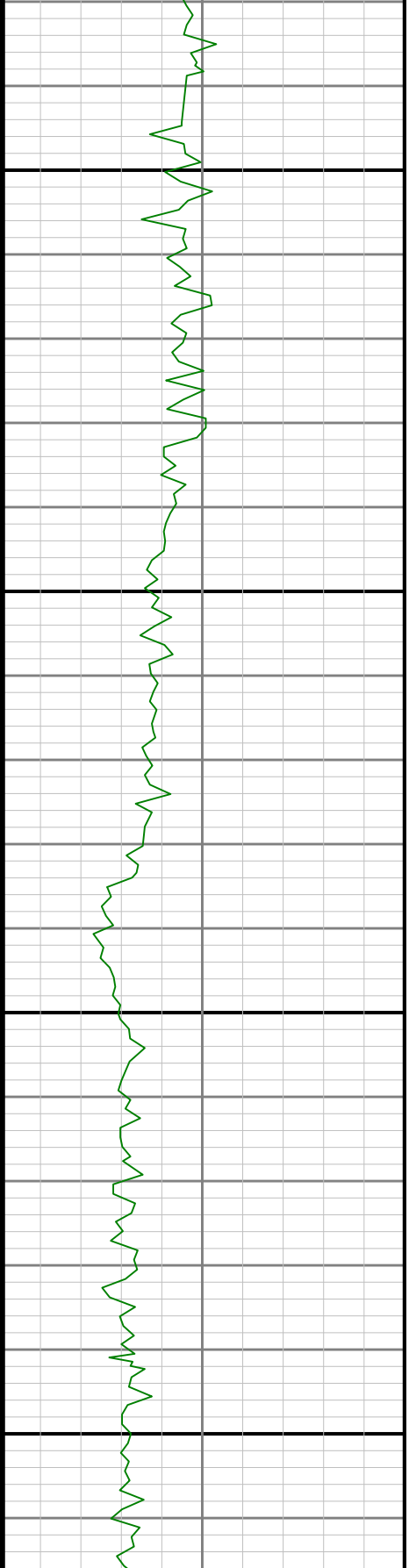
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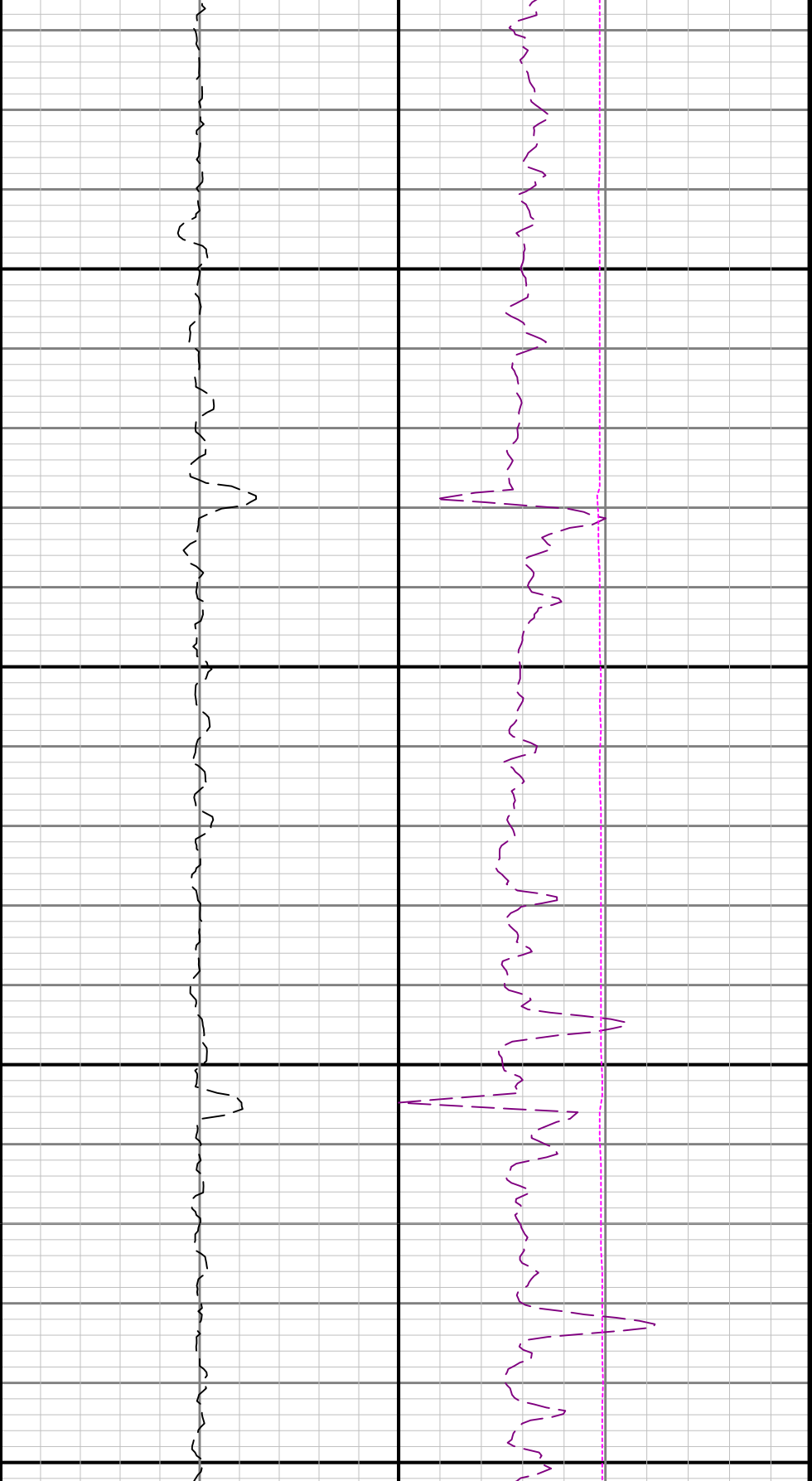




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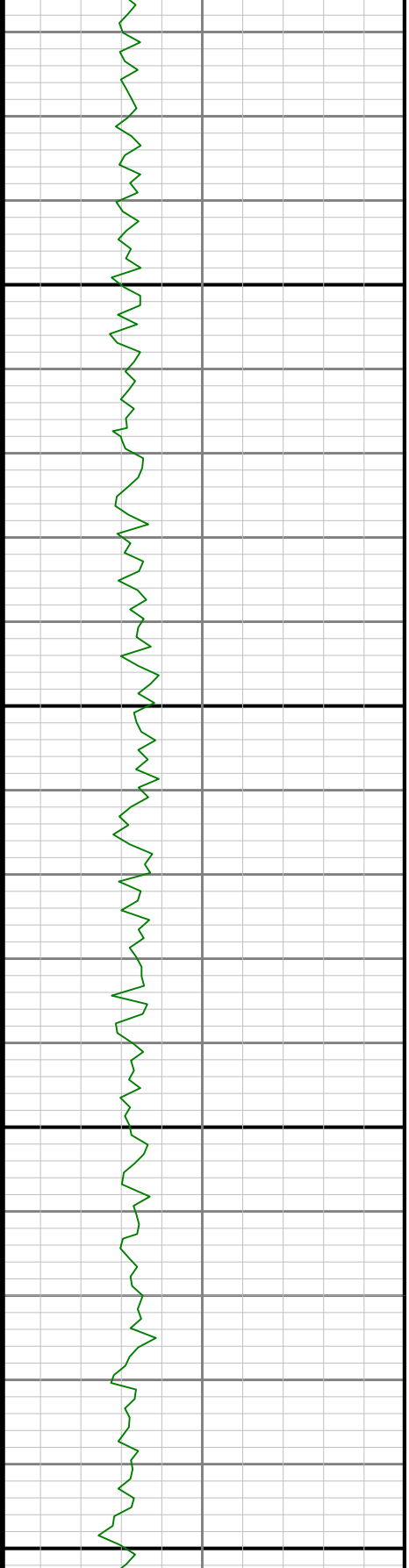
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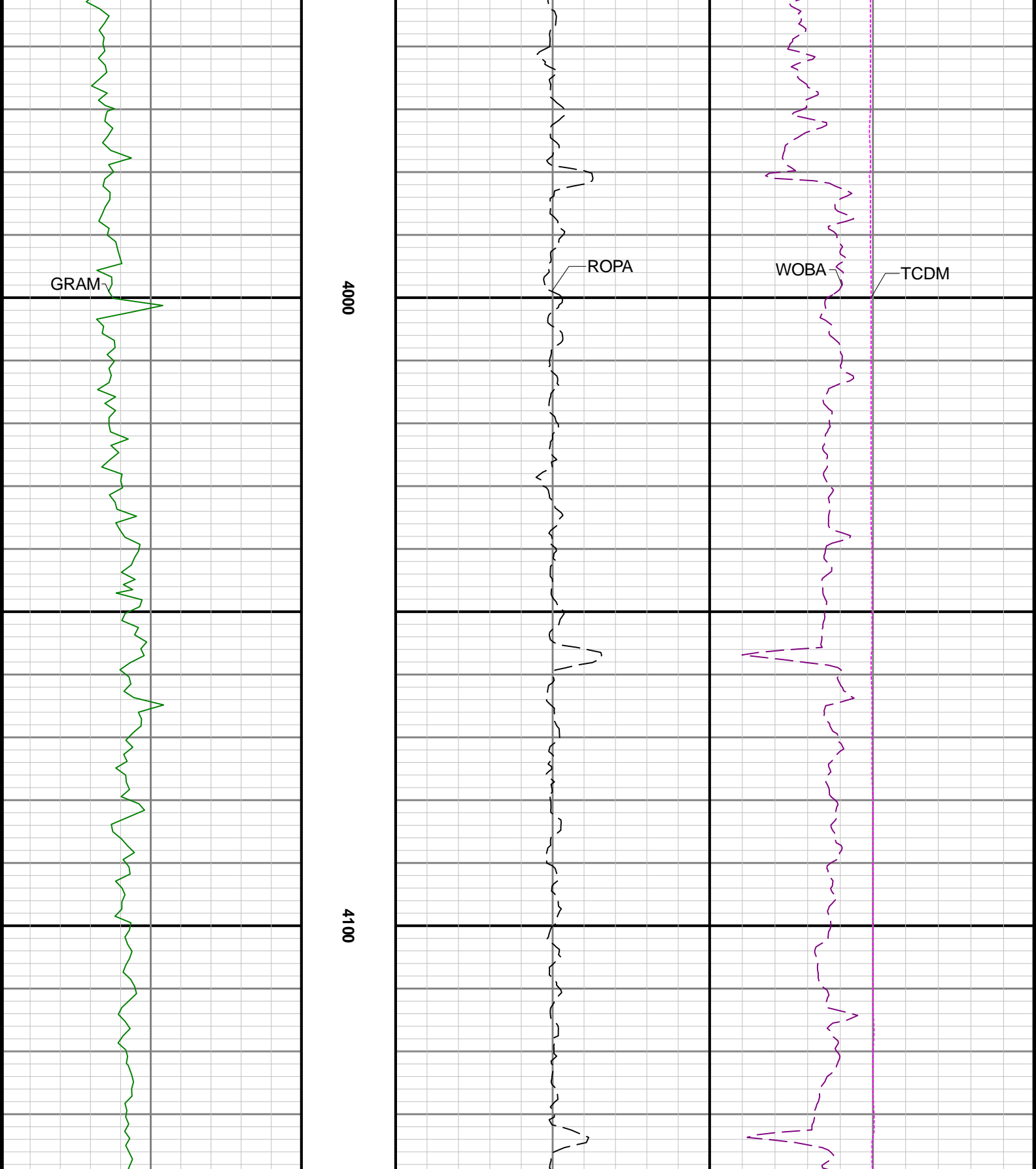


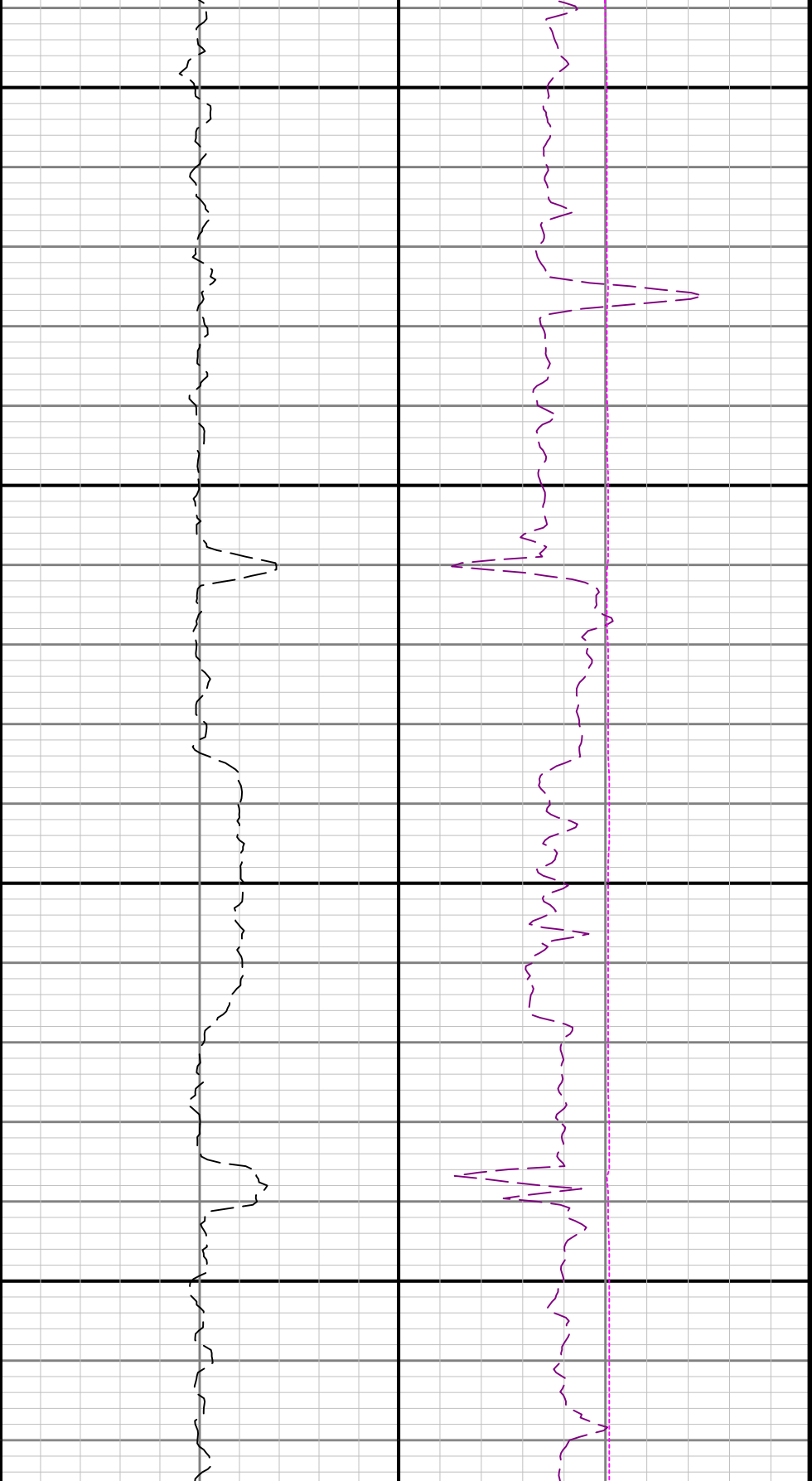


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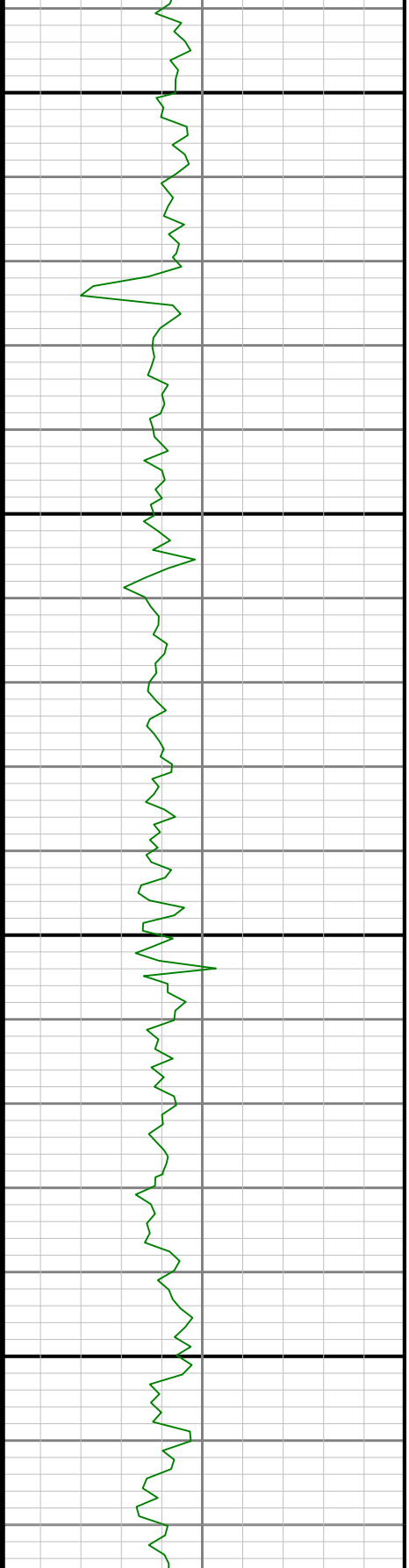


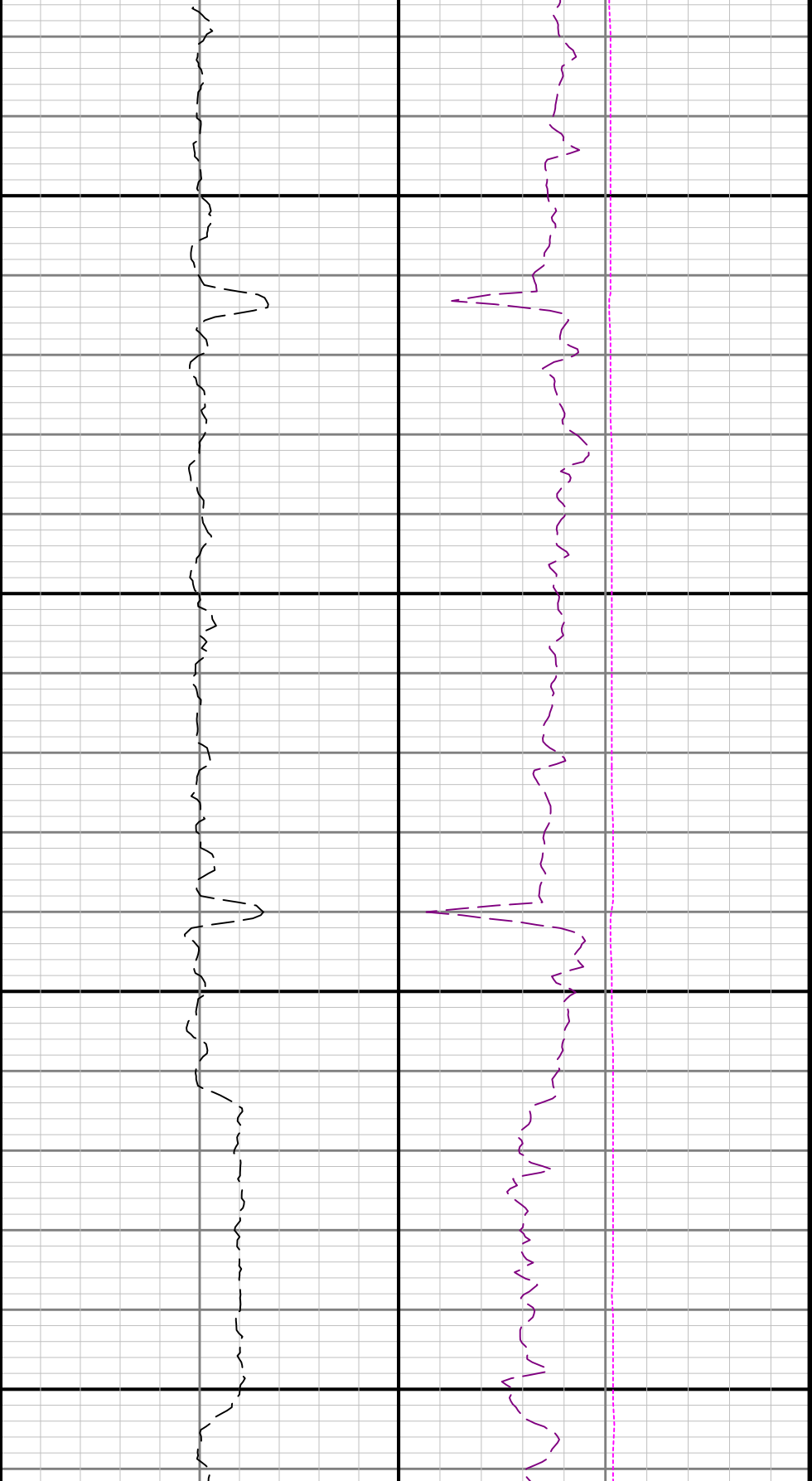




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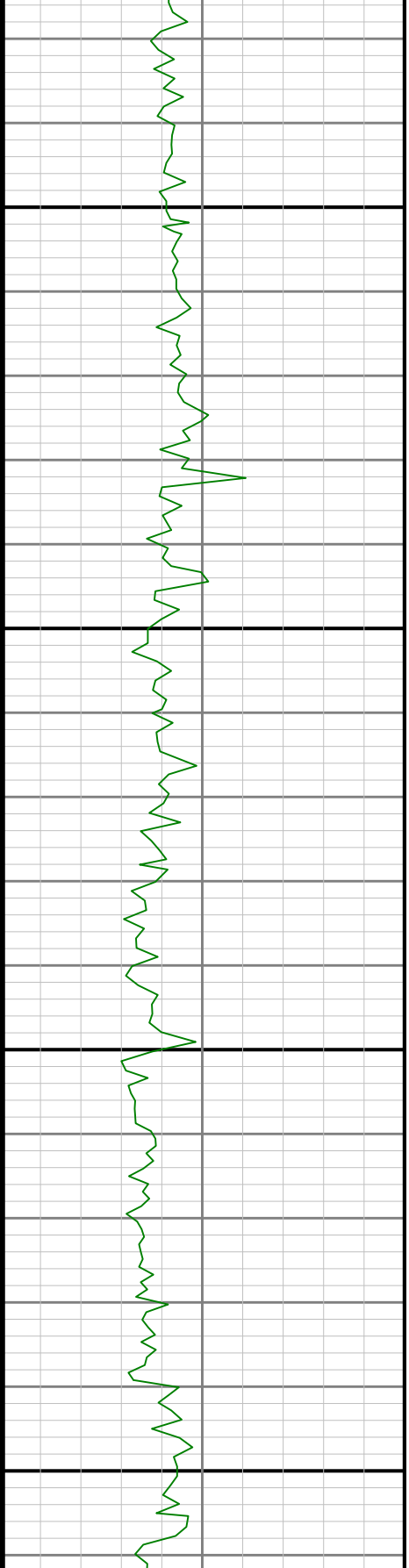
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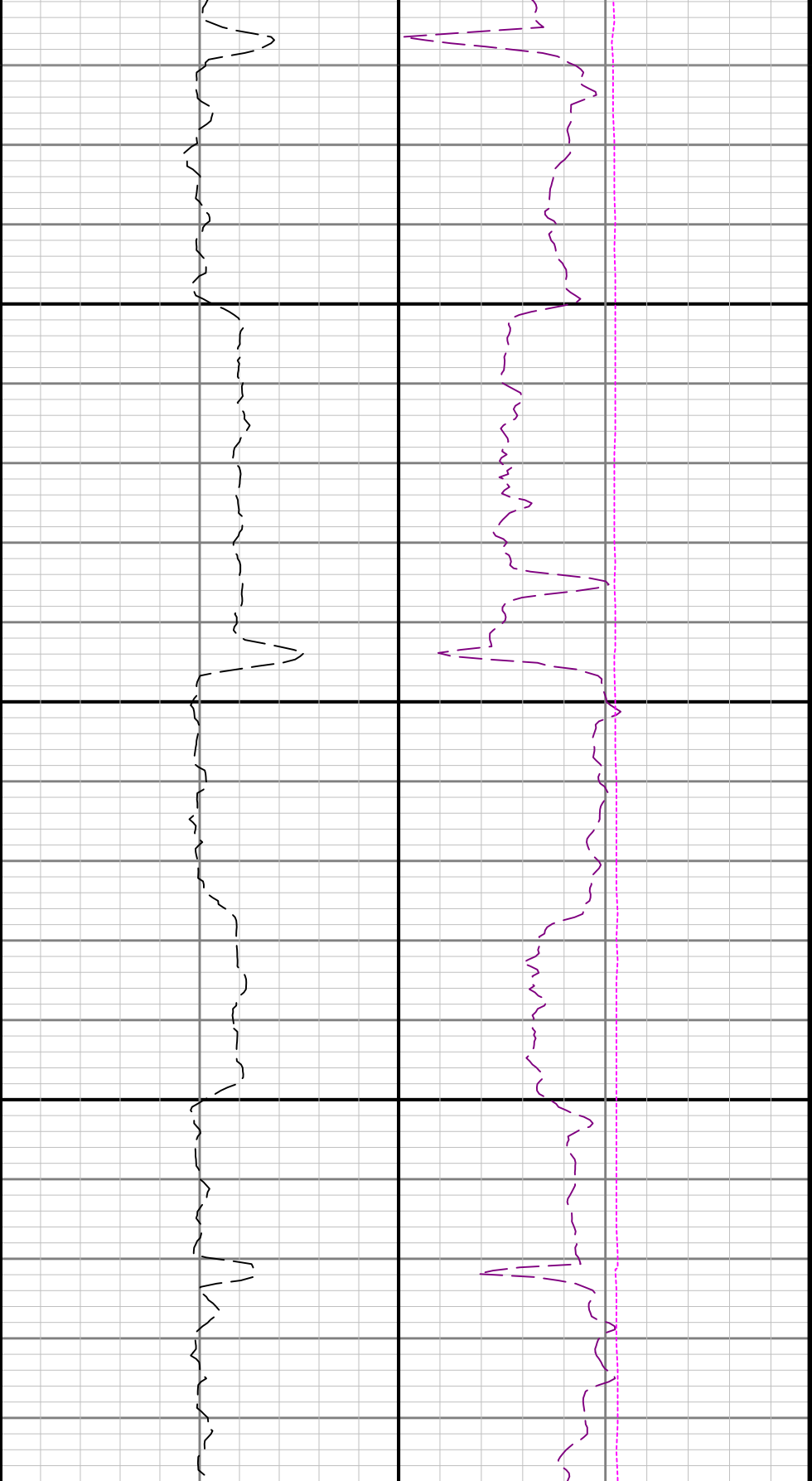




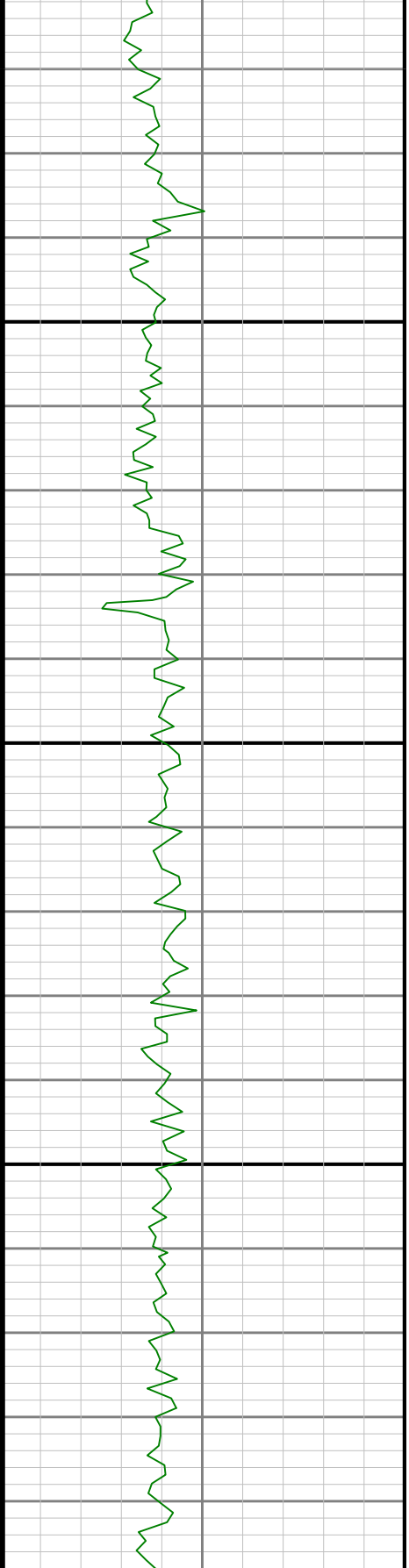
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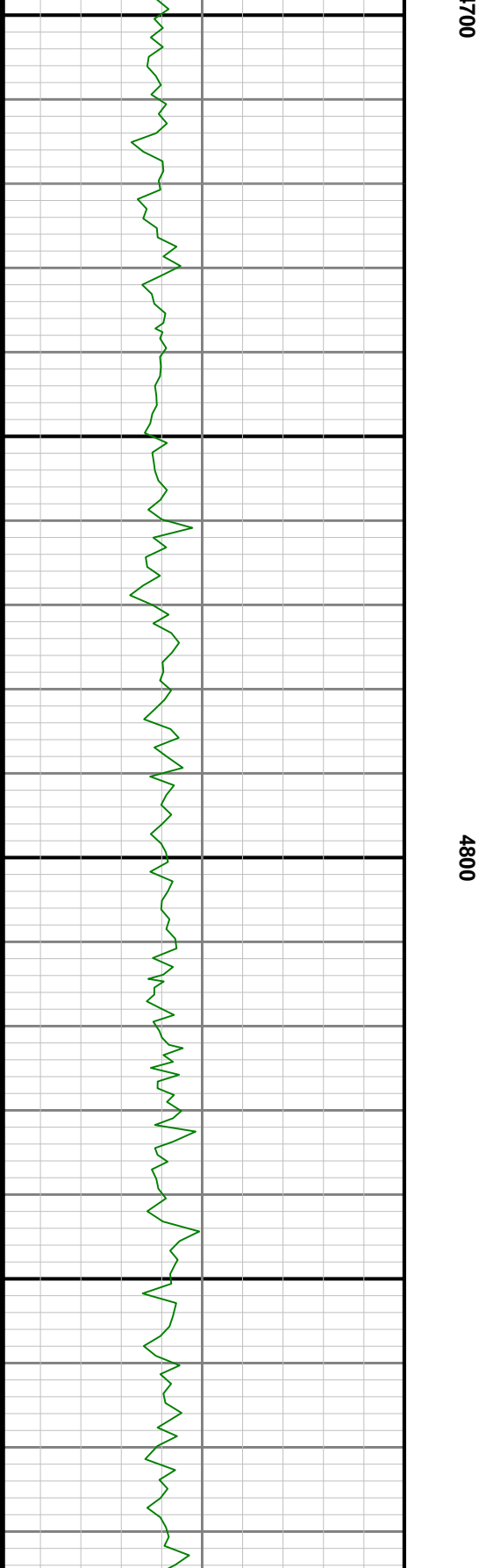
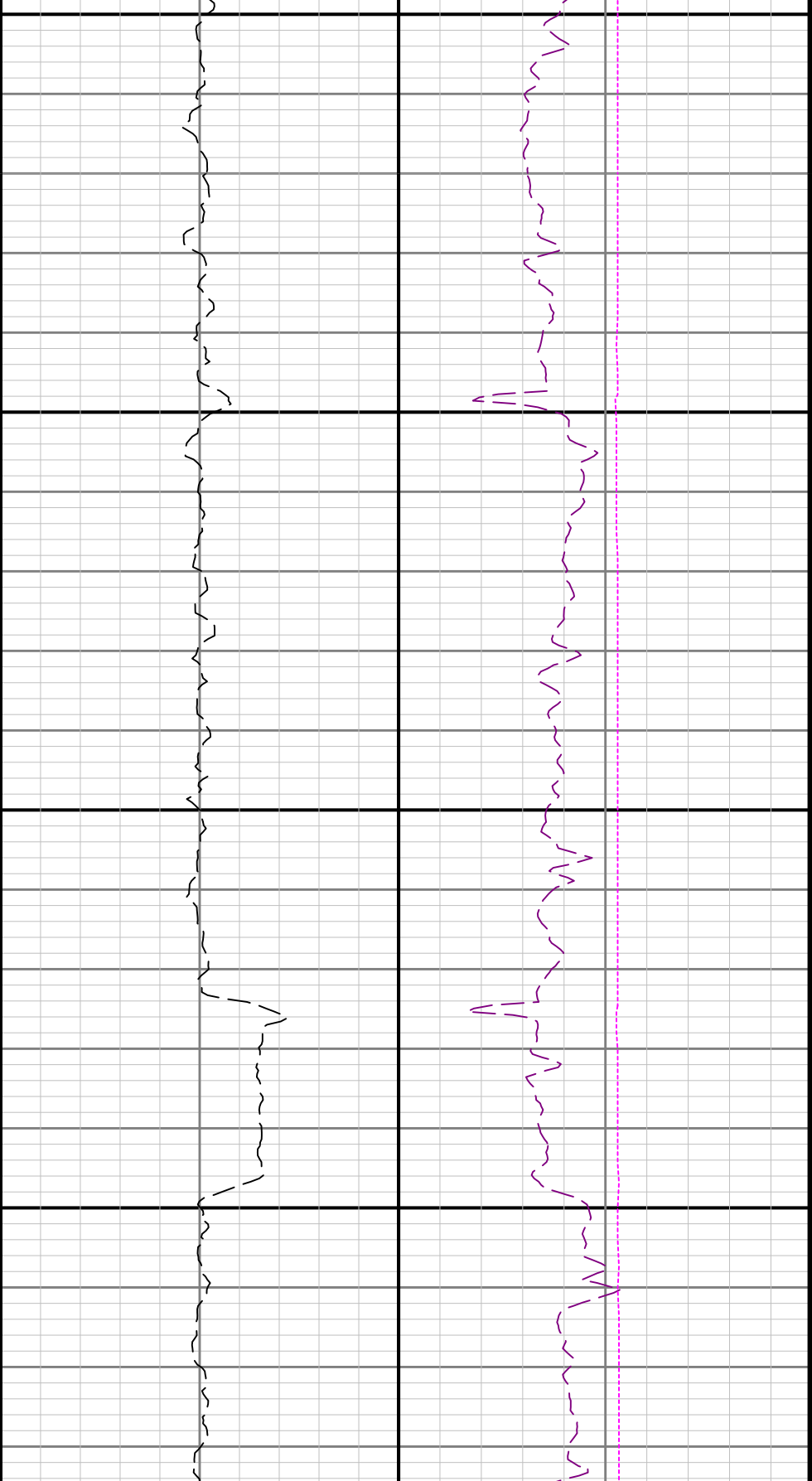
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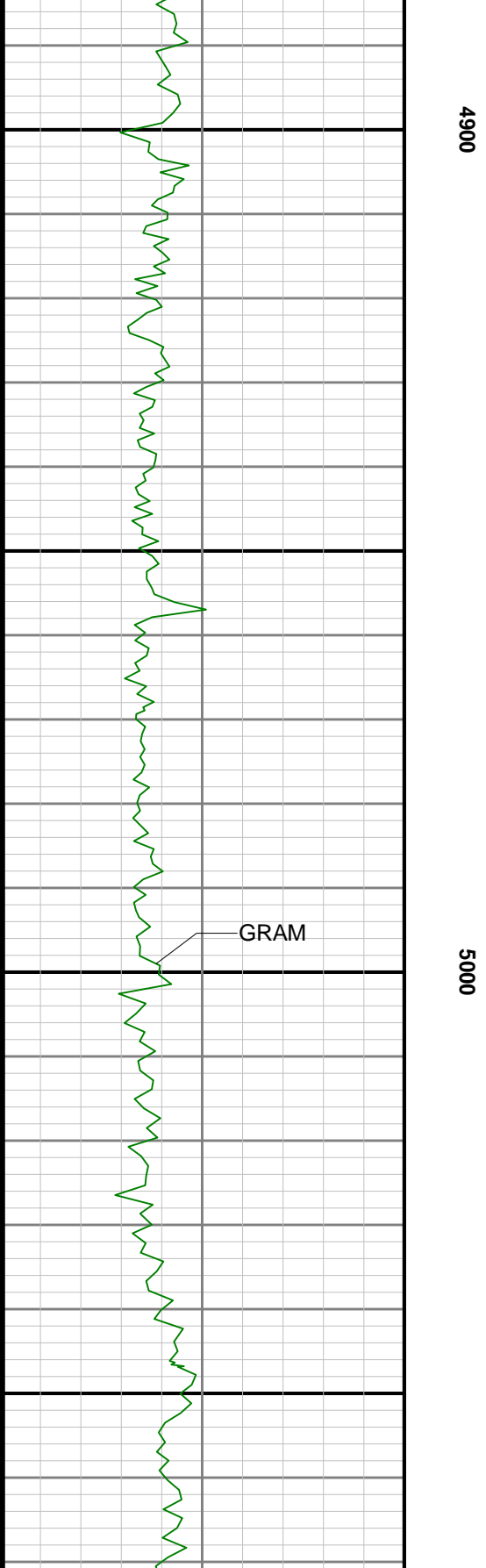
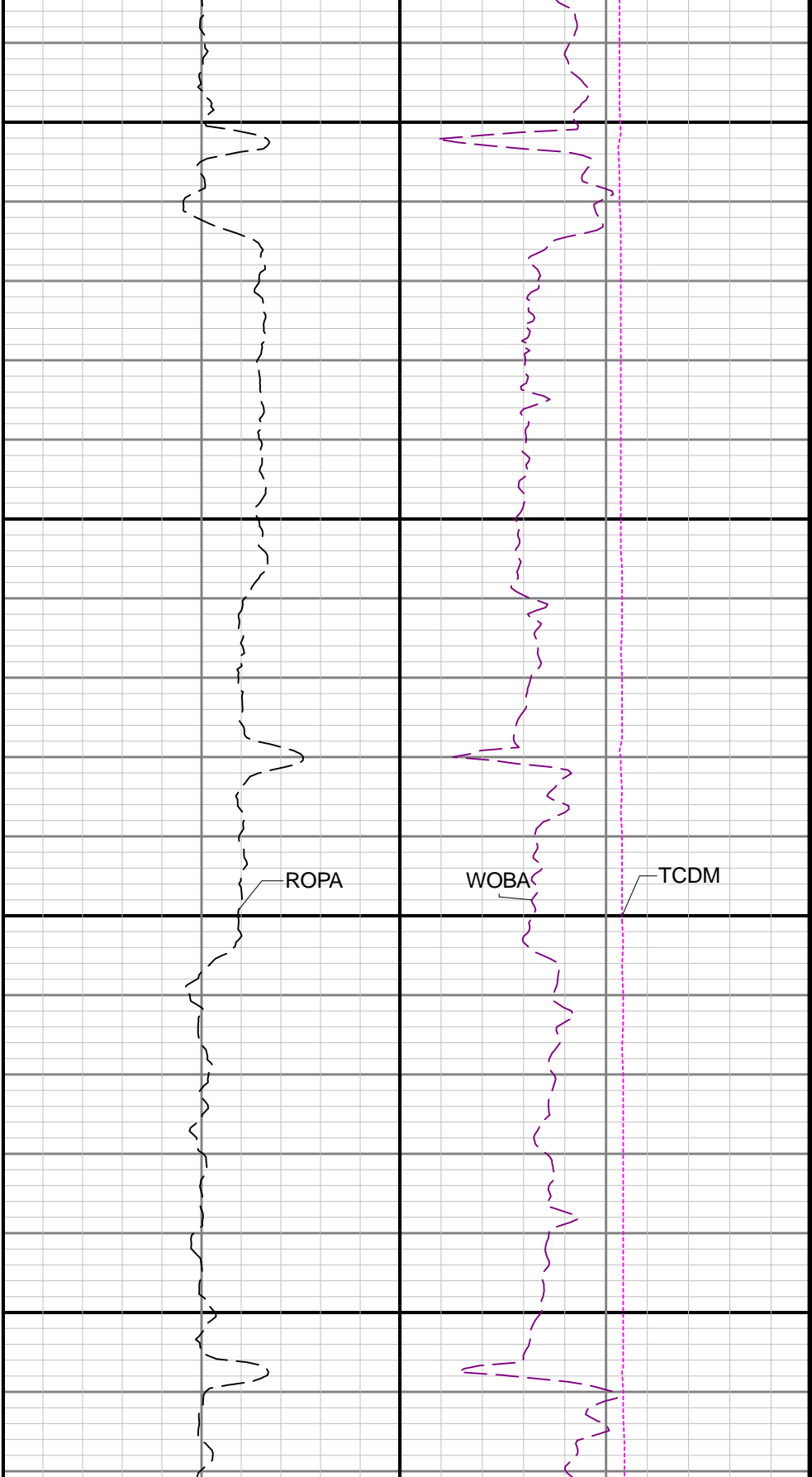


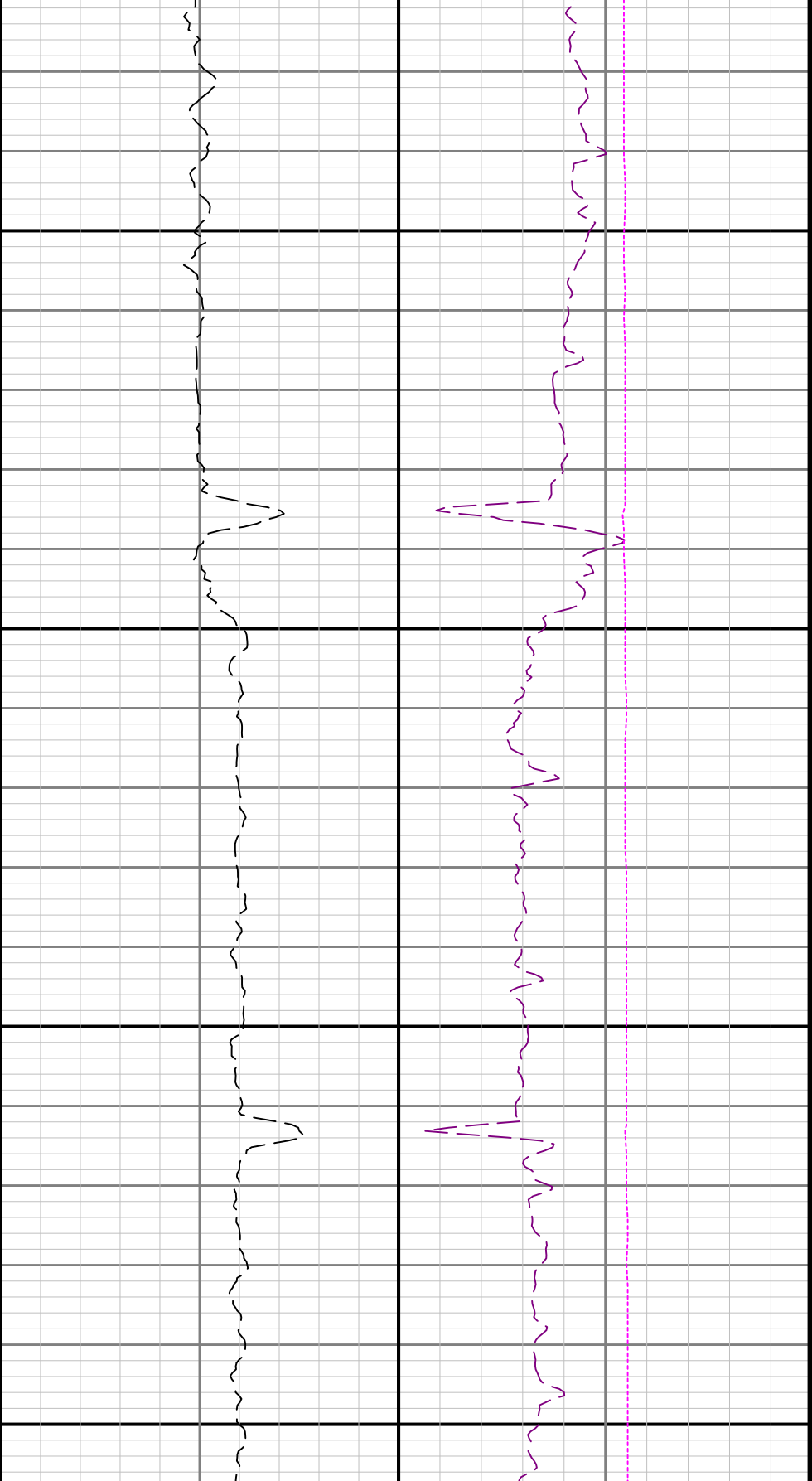


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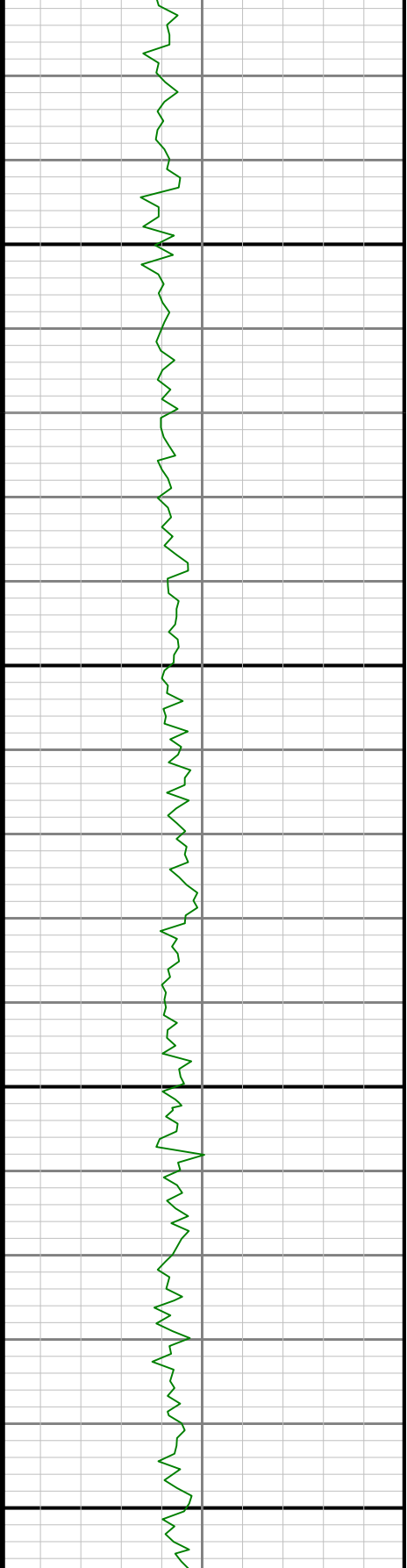


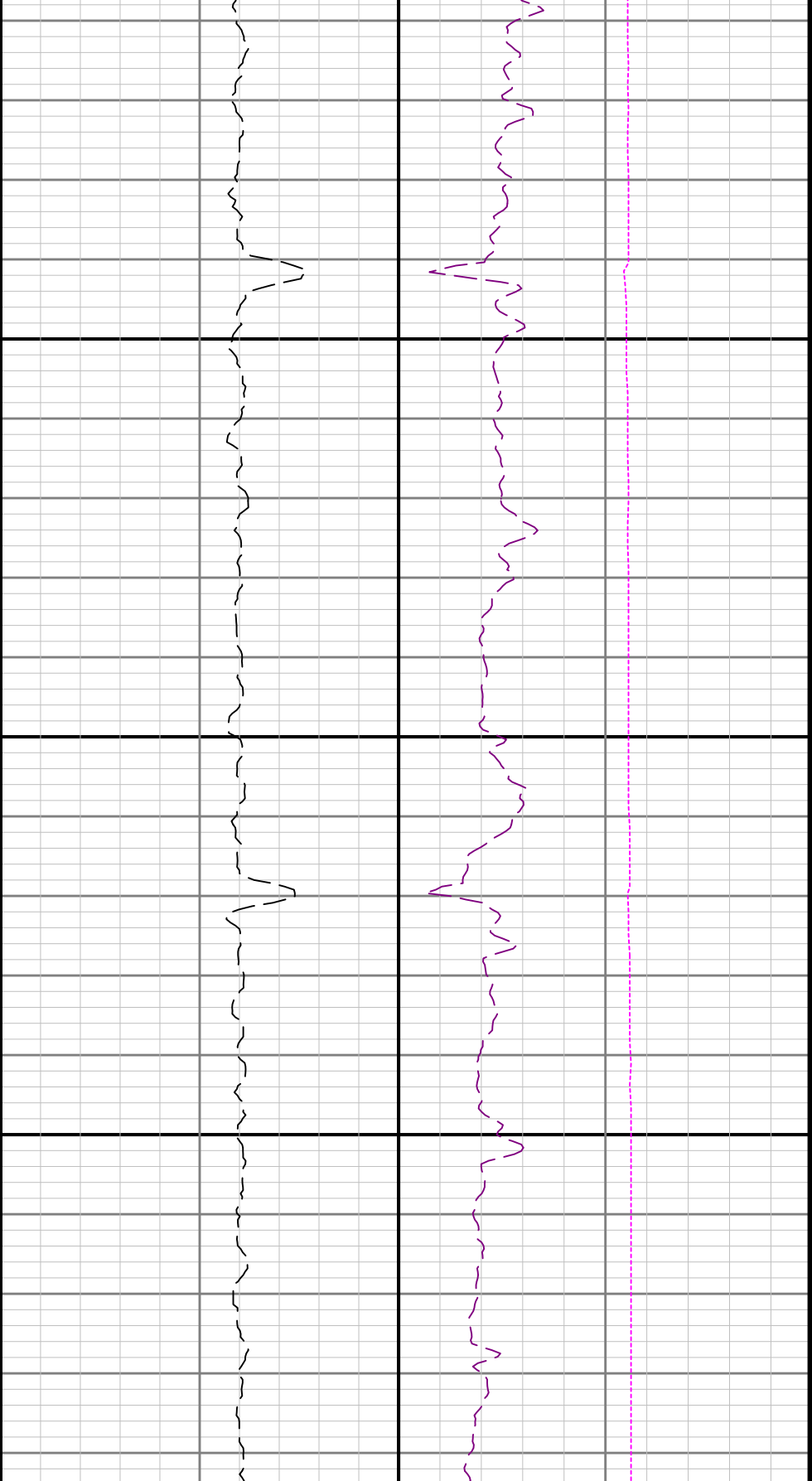




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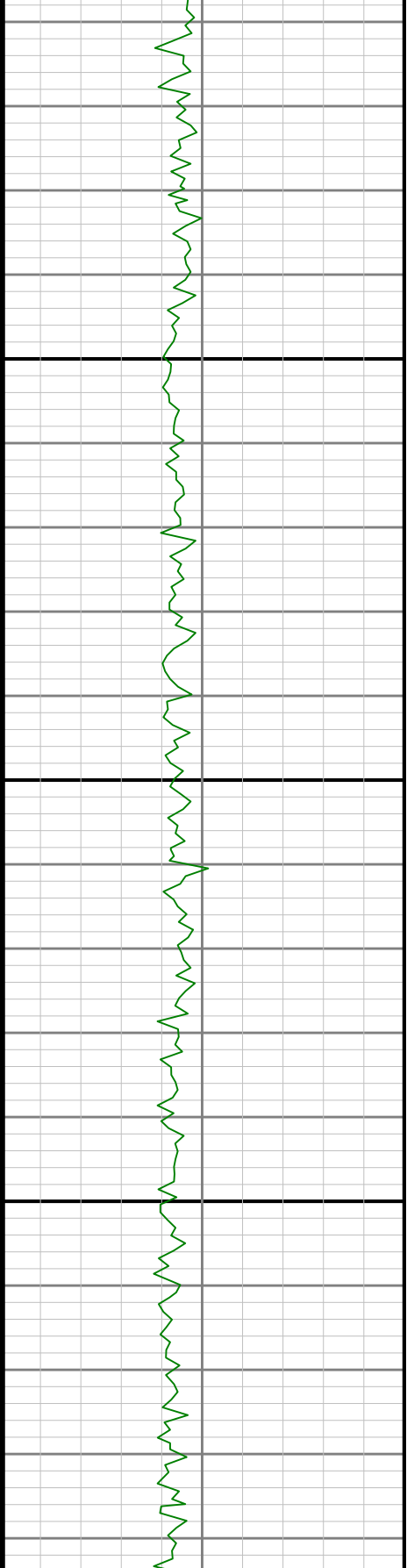
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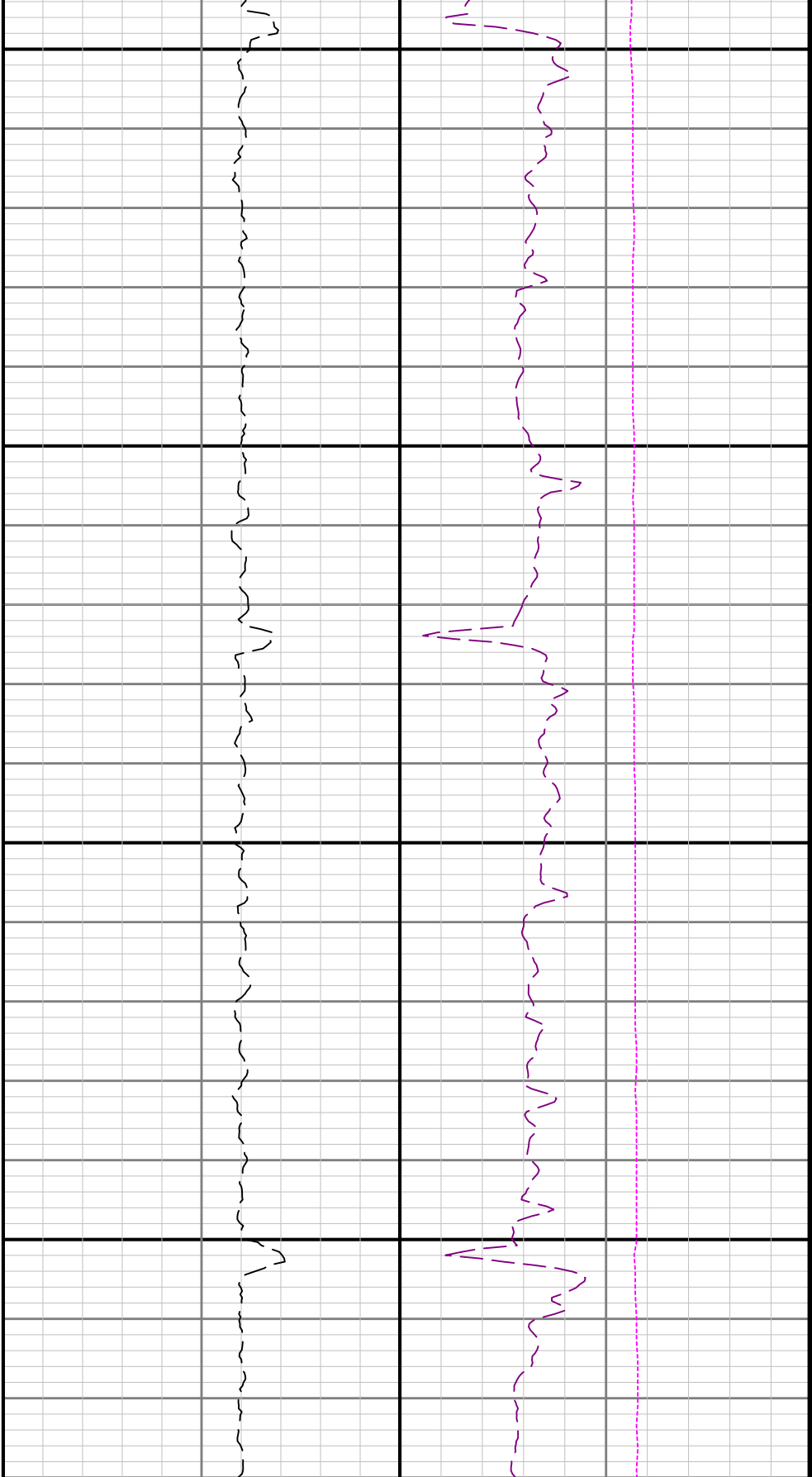




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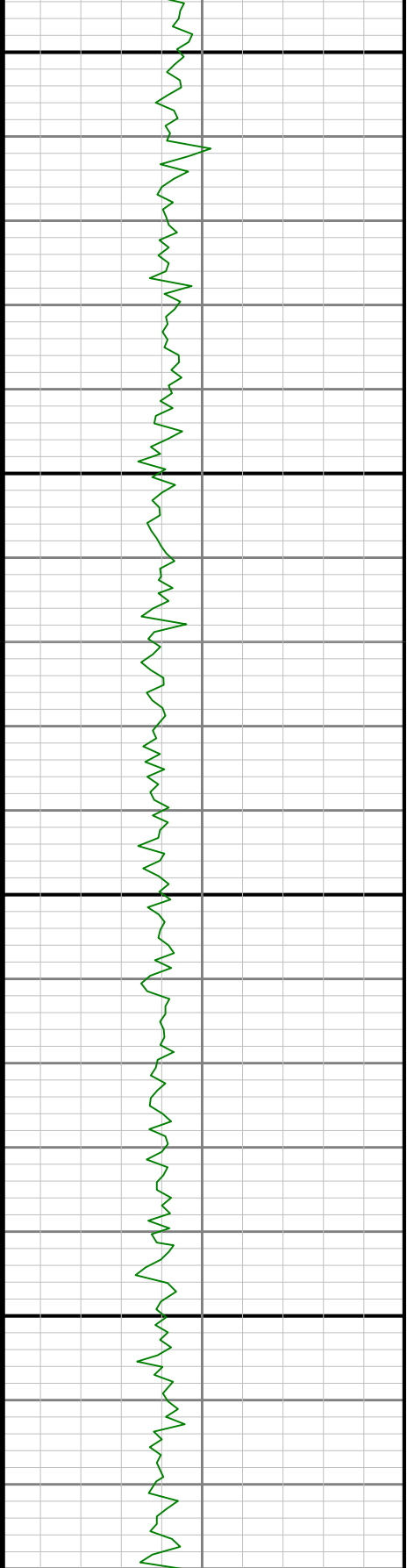
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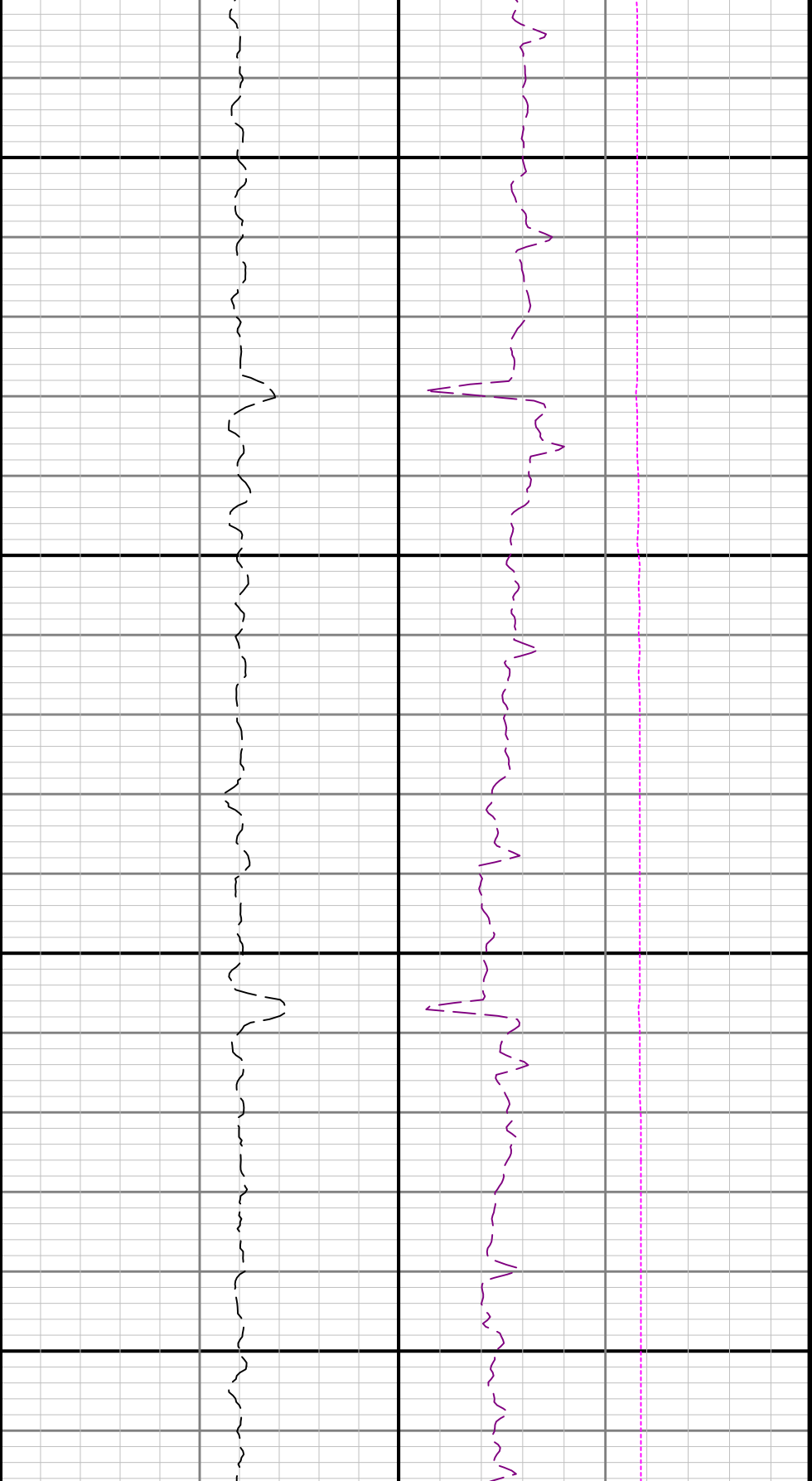




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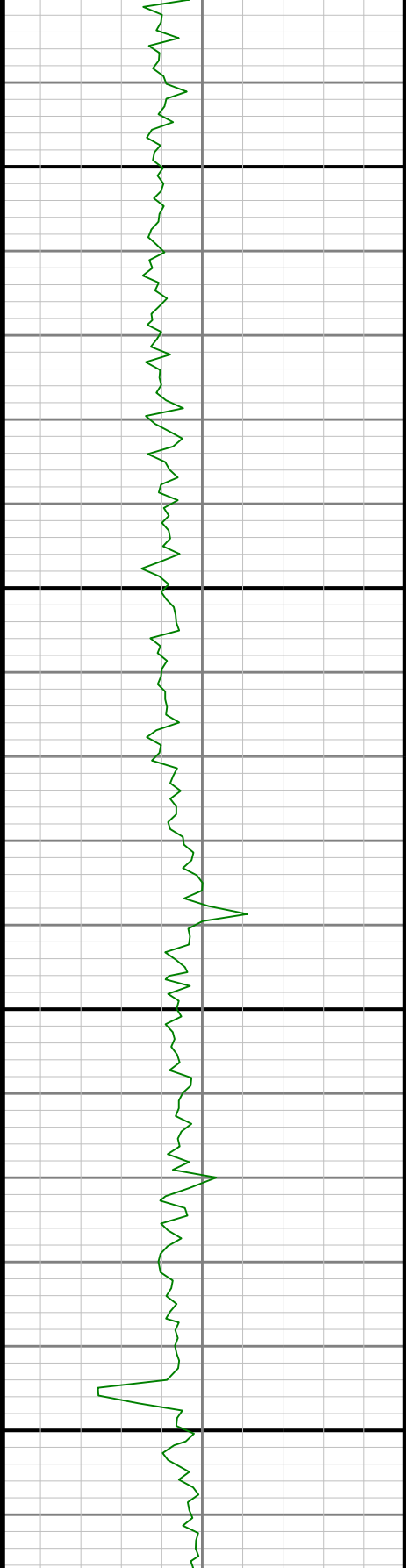
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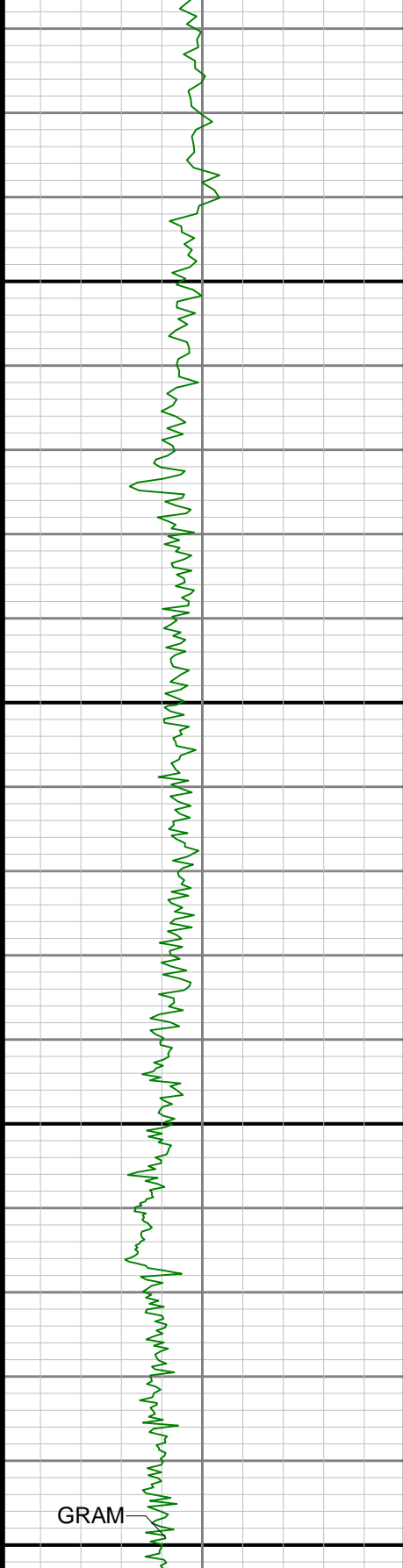




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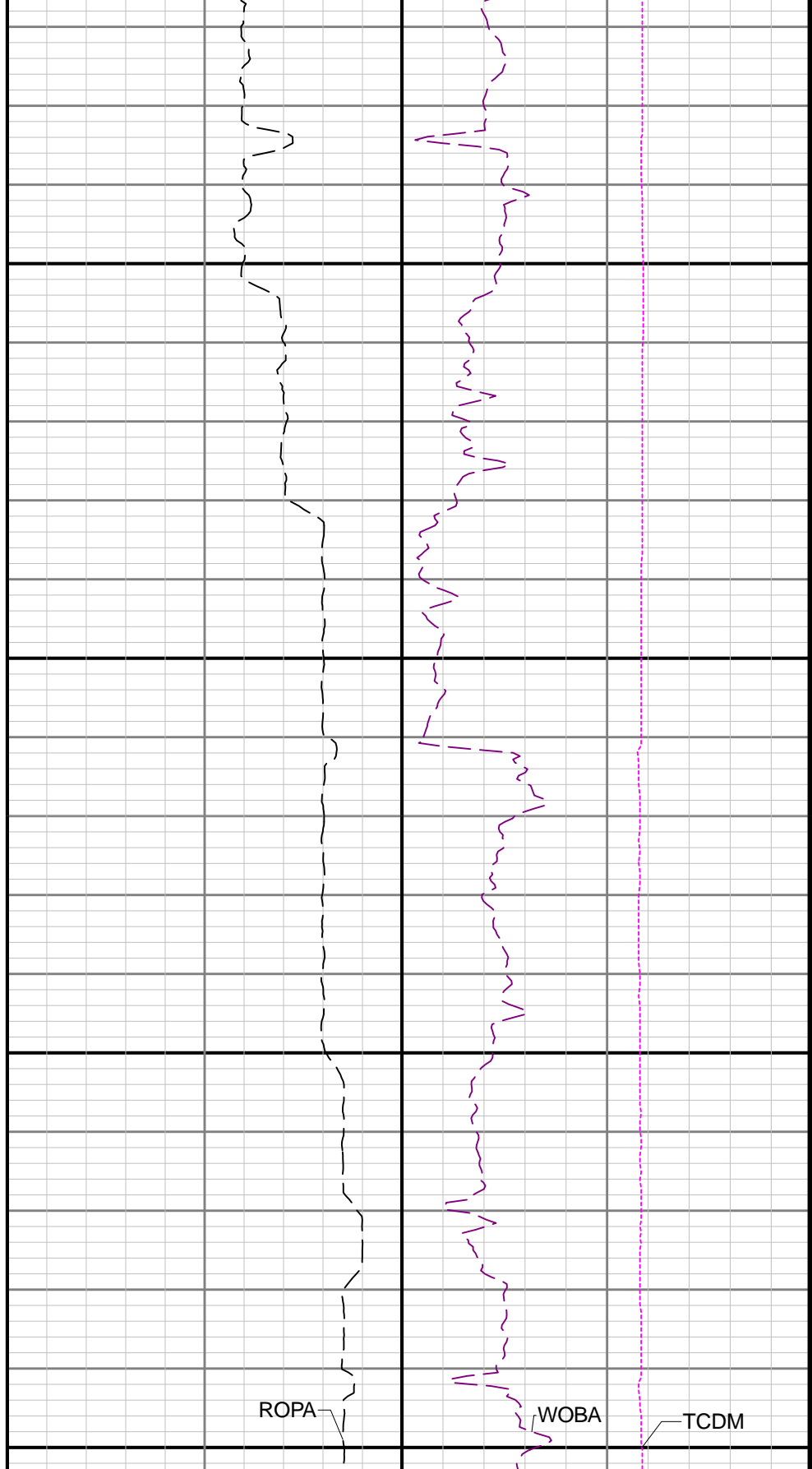
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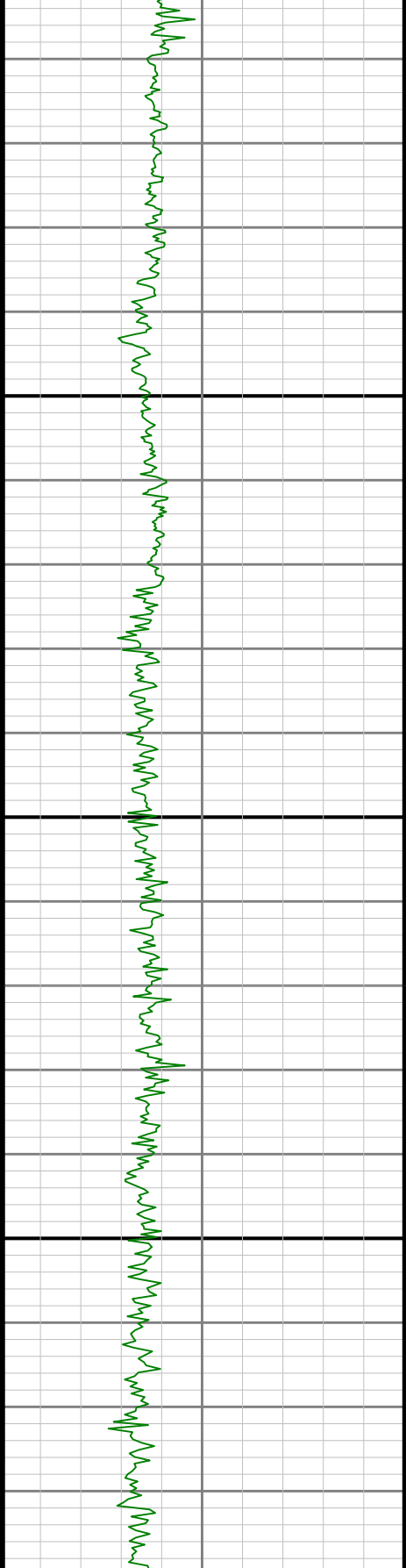




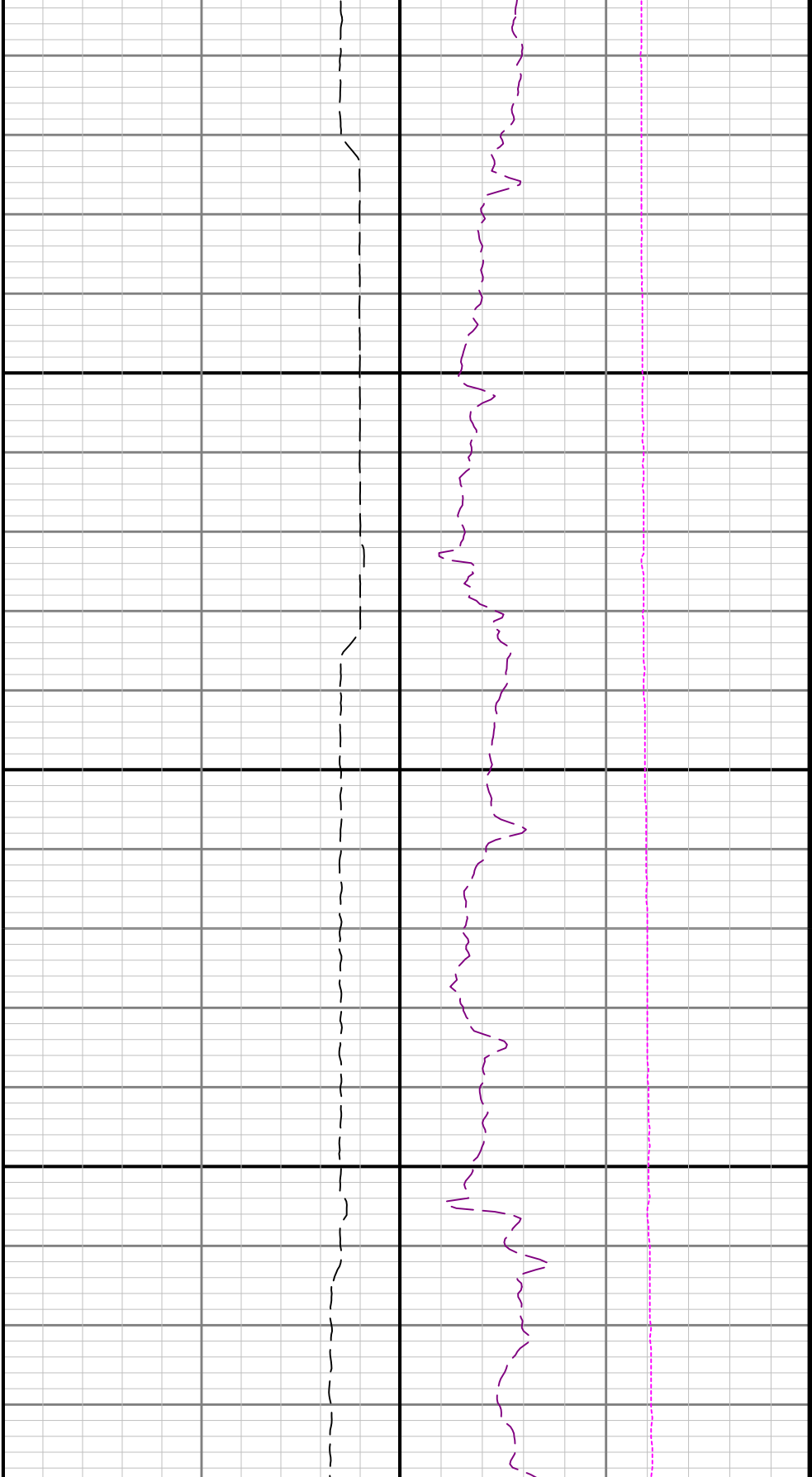
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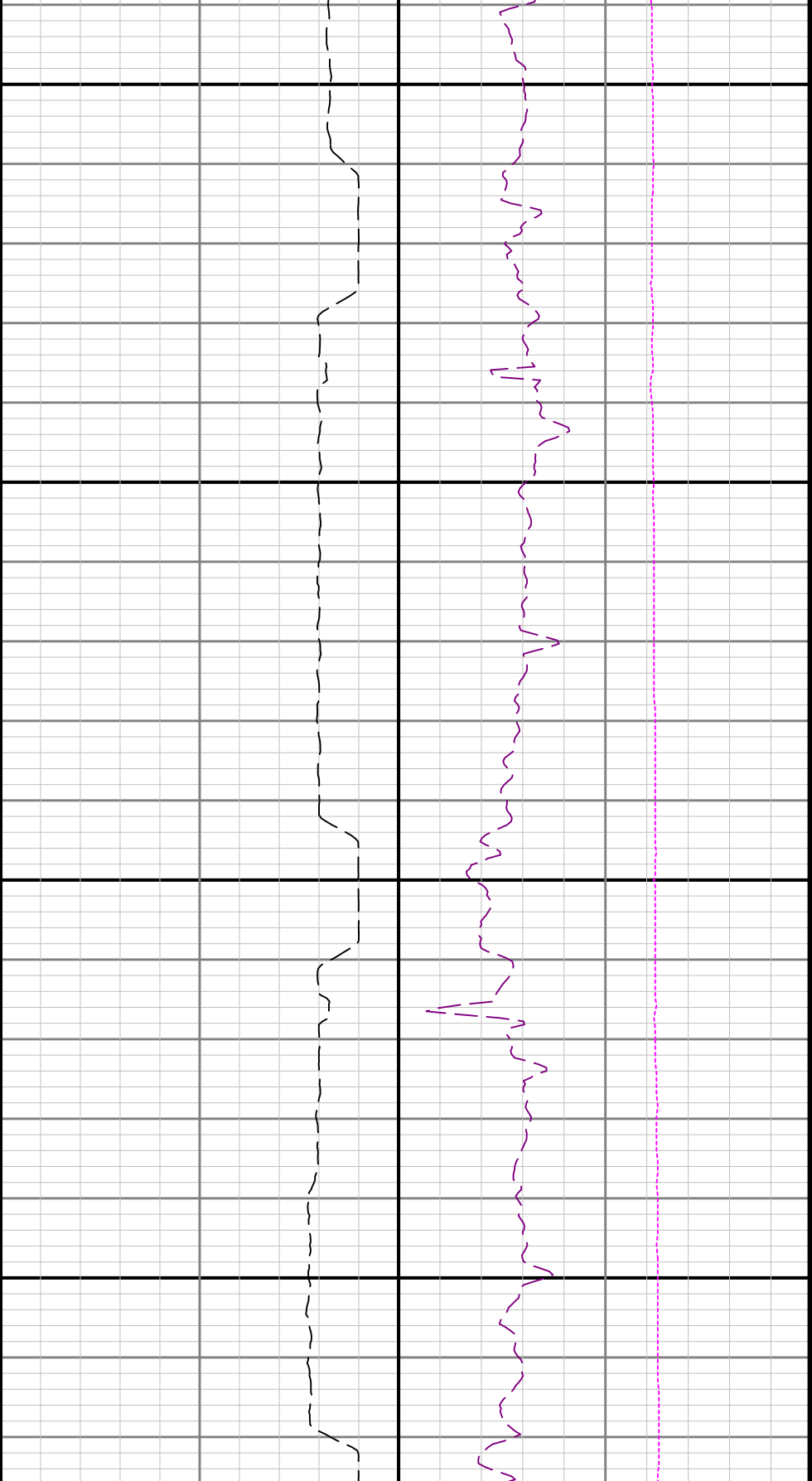
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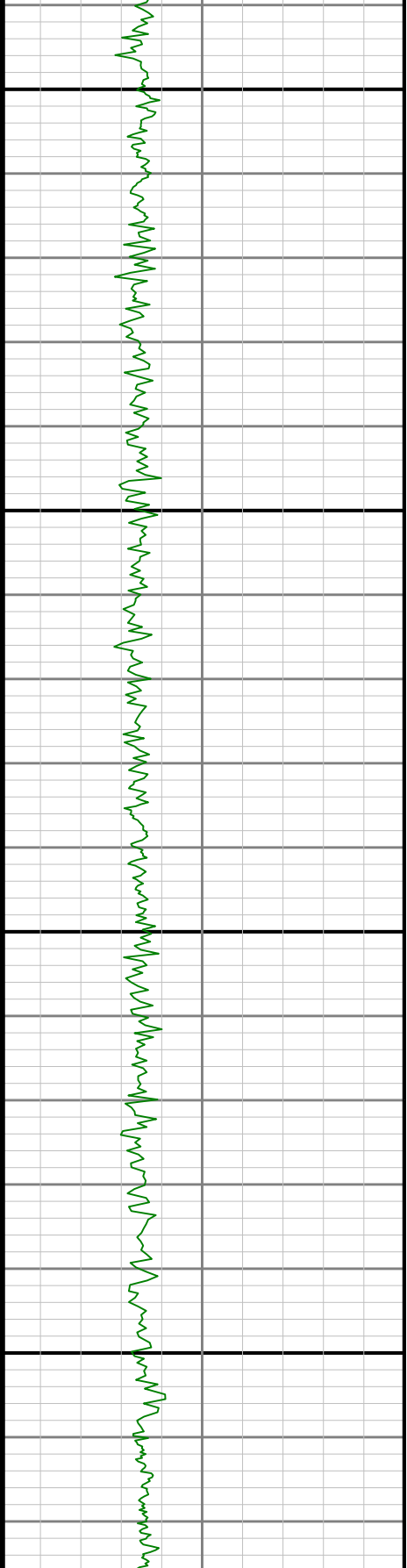
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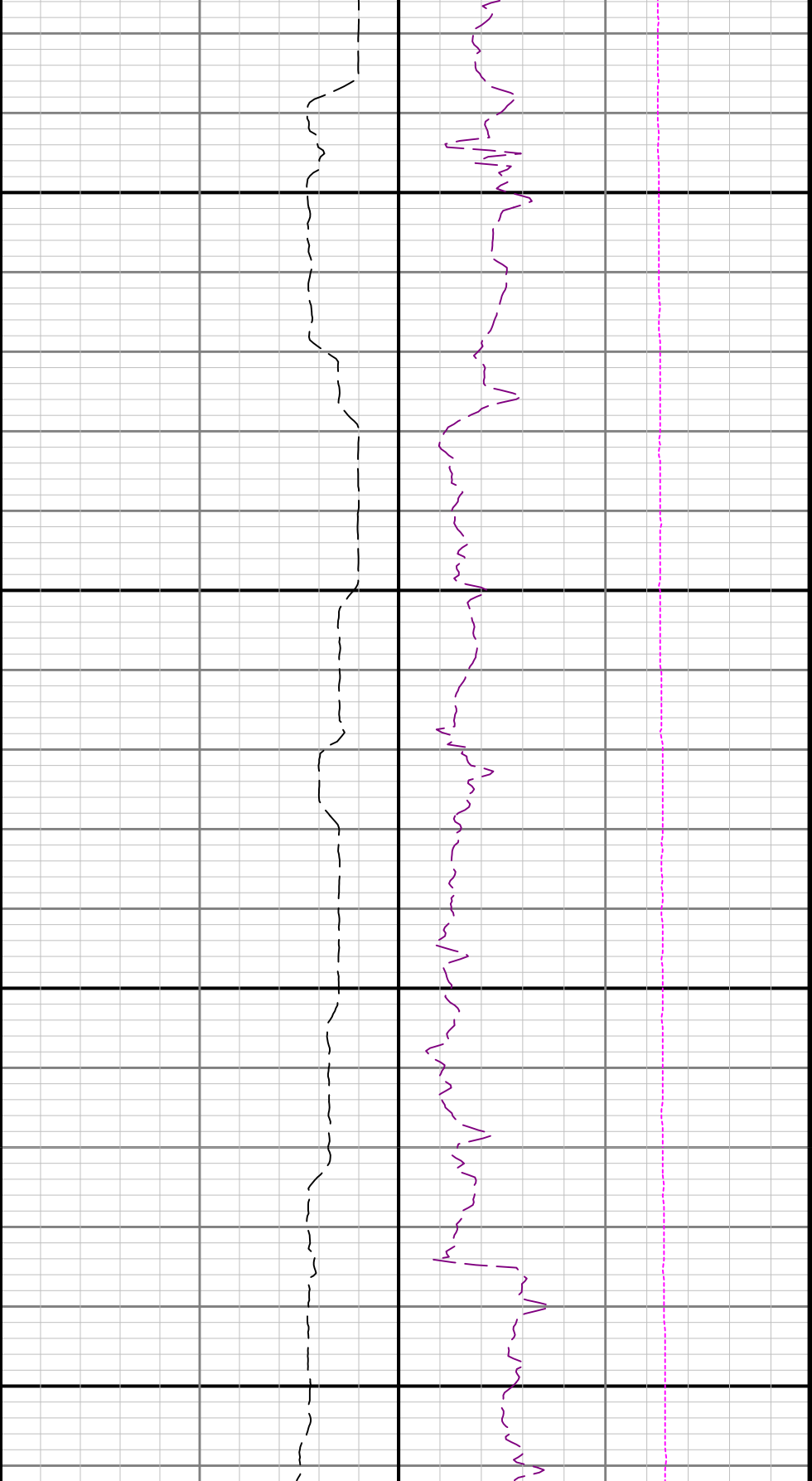




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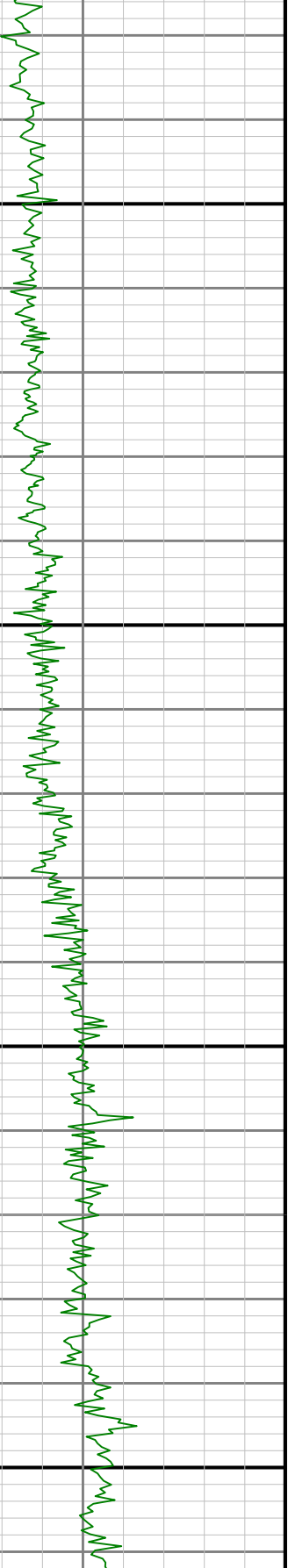
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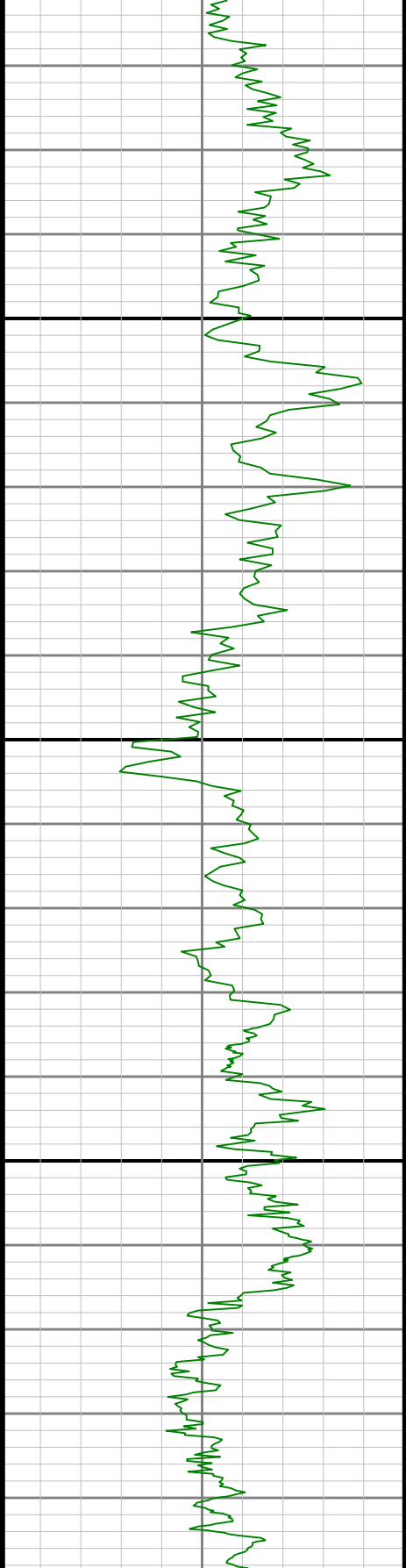




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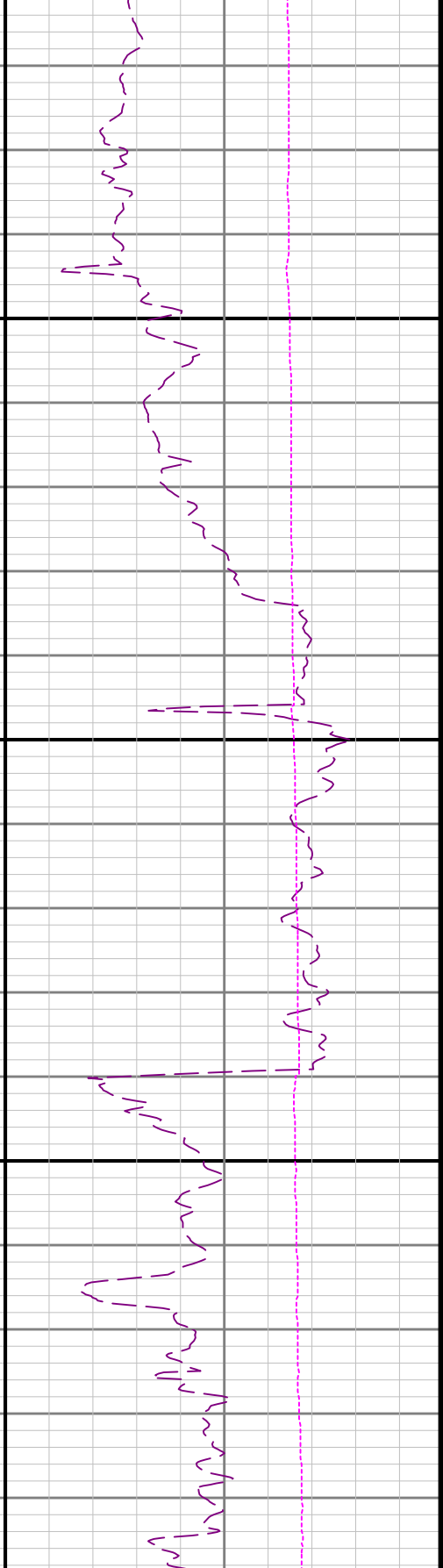
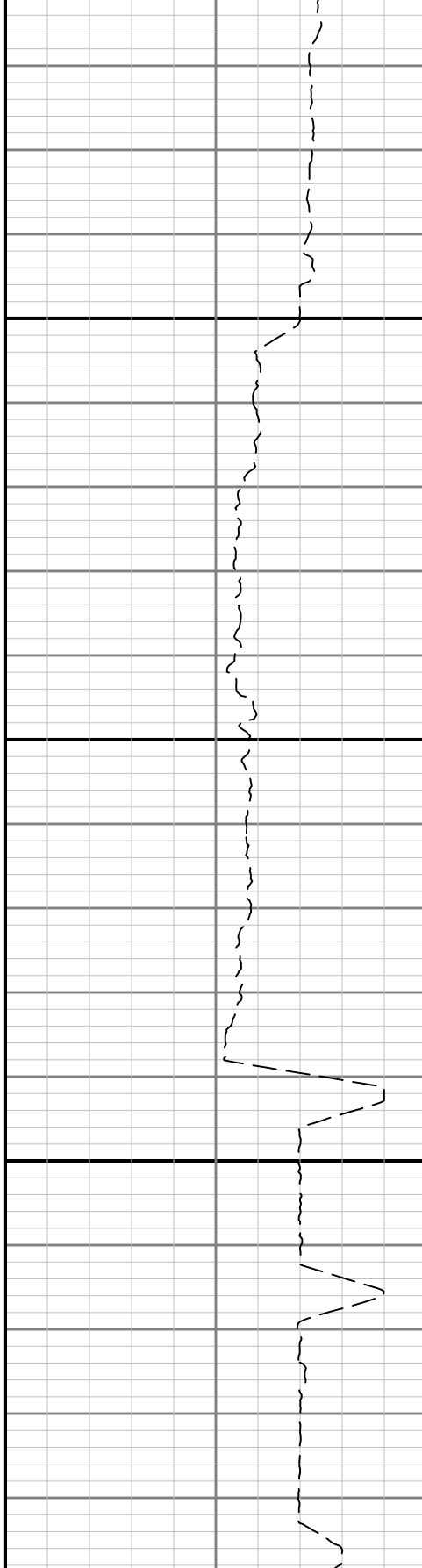
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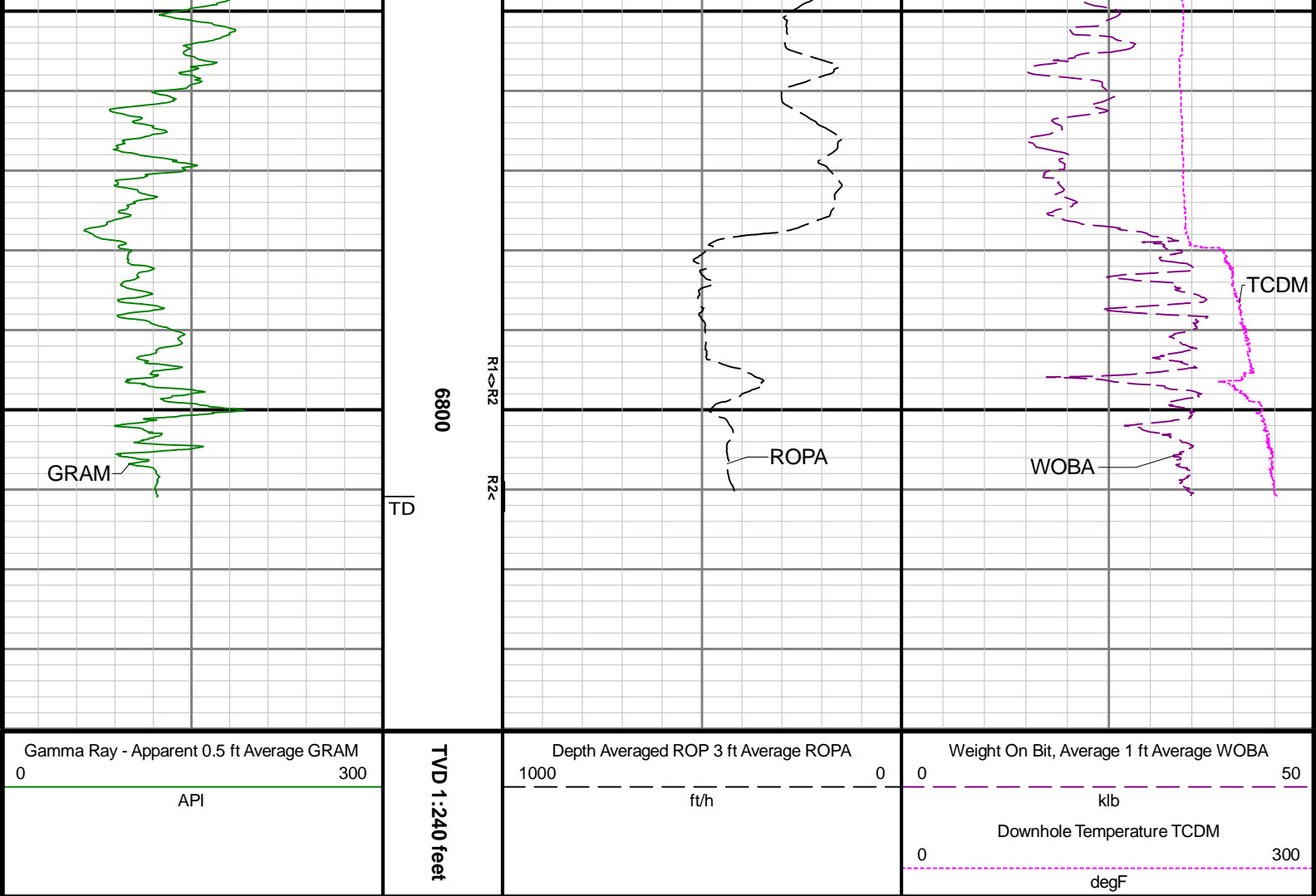




6700

0099





Directional Survey Summary

Latitude:	40° 27' 41.112" N	Longitude:	104° 35' 04.776" W
North Reference:	Grid	Drill Depth Zero:	Rig Floor
Vertical Datum is:	Mean Sea Level	Vertical Datum to DDZ: (ft)	4727.00
Vertical Section North: (ft)	0.00	Vertical Section East: (ft)	0.00
Vertical Section Azimuth: (deg)	165.15		
Grid Convergence: (deg)	-0.59	Magnetic Declination: (deg)	7.60
Total Correction: (deg)	7.01	TVD Calculation Method:	Minimum Curvature
Magnetic Correction:	Off	Local Magnetic Field: (nT)	51886
Local Magnetic Dip Angle: (deg)	66.75	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	-4727.00	0.00	0.00	0.00	0.00	0.00
	79.00	0.05	166.38	N/A	-0.03	0.01	79.00	-4648.00	0.03	79.00	0.06	0.06	210.61
	173.00	0.14	159.46	N/A	-0.18	0.06	173.00	-4554.00	0.19	94.00	0.10	0.10	-7.36
	264.00	0.11	202.20	N/A	-0.37	0.06	264.00	-4463.00	0.37	91.00	0.10	-0.03	46.97
	327.00	0.21	240.74	N/A	-0.48	-0.06	327.00	-4400.00	0.45	63.00	0.22	0.16	61.17
	421.00	0.28	213.59	N/A	-0.75	-0.34	421.00	-4306.00	0.64	94.00	0.14	0.07	-28.88
	516.00	0.70	204.70	N/A	-1.47	-0.71	515.99	-4211.01	1.24	95.00	0.45	0.44	-9.36
	610.00	0.84	213.75	N/A	-2.57	-1.33	609.99	-4117.01	2.14	94.00	0.20	0.15	9.63
	705.00	1.14	205.09	N/A	-4.00	-2.12	704.97	-4022.03	3.33	95.00	0.35	0.32	-9.12
	800.00	1.25	191.49	N/A	-5.88	-2.73	799.95	-3927.05	4.98	95.00	0.32	0.12	-14.37

	894.00	1.00	187.34	N/A	-7.69	-3.03	893.93	-3833.07	6.66	94.00	0.28	-0.27	-4.41
	989.00	1.04	209.02	N/A	-9.27	-3.56	988.92	-3738.08	8.05	95.00	0.41	0.04	22.82
	1083.00	0.90	218.81	N/A	-10.59	-4.43	1082.91	-3644.09	9.10	94.00	0.23	-0.15	10.41
	1178.00	0.53	208.60	N/A	-11.56	-5.11	1177.90	-3549.10	9.86	95.00	0.41	-0.39	-10.75
	1272.00	0.51	245.46	N/A	-12.11	-5.70	1271.89	-3455.11	10.25	94.00	0.35	-0.02	39.21
	1367.00	0.41	258.14	N/A	-12.36	-6.42	1366.89	-3360.11	10.30	95.00	0.15	-0.11	13.35
	1462.00	0.25	246.54	N/A	-12.51	-6.94	1461.89	-3265.11	10.31	95.00	0.18	-0.17	-12.21
	1556.00	0.43	295.37	N/A	-12.44	-7.45	1555.89	-3171.11	10.12	94.00	0.35	0.19	51.95
	1651.00	0.36	333.30	N/A	-12.02	-7.90	1650.89	-3076.11	9.59	95.00	0.28	-0.07	39.93
	1745.00	0.43	355.98	N/A	-11.41	-8.06	1744.88	-2982.12	8.96	94.00	0.18	0.07	24.13
	1840.00	0.16	137.86	N/A	-11.15	-8.00	1839.88	-2887.12	8.73	95.00	0.59	-0.28	149.35
	1921.00	0.39	189.31	N/A	-11.51	-7.97	1920.88	-2806.12	9.08	81.00	0.39	0.28	63.52
	1990.00	0.48	235.53	109.5	-11.90	-8.24	1989.88	-2737.12	9.39	69.00	0.51	0.13	66.99
	2085.00	1.91	91.29	109.5	-12.16	-6.99	2084.87	-2642.13	9.96	95.00	2.44	1.51	-151.83
	2179.00	3.76	90.35	114.9	-12.22	-2.34	2178.75	-2548.25	11.21	94.00	1.97	1.97	-1.00
	2274.00	6.59	90.76	120.3	-12.31	6.23	2273.35	-2453.65	13.49	95.00	2.98	2.98	0.43
	2368.00	7.28	90.15	123.0	-12.39	17.58	2366.66	-2360.34	16.49	94.00	0.74	0.73	-0.65
	2463.00	10.98	74.47	125.7	-9.99	32.32	2460.46	-2266.54	17.94	95.00	4.66	3.89	-16.51
	2557.00	11.97	75.20	123.0	-5.10	50.37	2552.58	-2174.42	17.84	94.00	1.06	1.05	0.78
	2652.00	14.53	66.05	128.4	2.26	70.79	2645.05	-2081.95	15.96	95.00	3.48	2.69	-9.63
	2747.00	15.47	62.36	128.4	12.97	92.91	2736.81	-1990.19	11.27	95.00	1.41	0.99	-3.88
	2841.00	17.98	62.12	131.1	25.57	116.84	2826.83	-1900.17	5.22	94.00	2.67	2.67	-0.26
	2936.00	21.00	56.22	133.8	41.90	143.96	2916.38	-1810.62	-3.61	95.00	3.79	3.18	-6.21
	3031.00	22.36	55.63	133.8	61.57	173.03	3004.66	-1722.34	-15.17	95.00	1.45	1.43	-0.62
	3125.00	25.46	57.88	133.8	82.41	204.90	3090.59	-1636.41	-27.14	94.00	3.44	3.30	2.39
	3219.00	26.55	56.74	136.5	104.67	239.58	3175.07	-1551.93	-39.78	94.00	1.28	1.16	-1.21
	3313.00	26.67	56.36	136.5	127.88	274.71	3259.11	-1467.89	-53.21	94.00	0.22	0.13	-0.40
	3408.00	29.17	57.75	139.2	152.05	312.05	3343.05	-1383.95	-67.00	95.00	2.72	2.63	1.46
	3503.00	33.54	48.19	144.6	181.94	351.23	3424.21	-1302.79	-85.84	95.00	6.96	4.60	-10.06
	3597.00	34.52	44.34	144.6	218.30	389.21	3502.12	-1224.88	-111.26	94.00	2.52	1.04	-4.10
	3786.00	36.17	45.37	144.6	295.79	466.34	3656.28	-1070.72	-166.39	189.00	0.93	0.87	0.54
	3880.00	36.15	50.46	144.6	332.94	507.47	3732.19	-994.81	-191.76	94.00	3.19	-0.02	5.41
	3975.00	36.38	51.42	144.6	368.35	551.10	3808.78	-918.22	-214.80	95.00	0.64	0.24	1.01
	4069.00	36.13	51.28	144.6	403.06	594.52	3884.59	-842.41	-237.23	94.00	0.28	-0.27	-0.15
	4164.00	36.31	49.22	147.3	438.96	637.67	3961.23	-765.77	-260.87	95.00	1.30	0.19	-2.17
	4258.00	36.12	54.57	147.3	473.20	681.33	4037.09	-689.91	-282.78	94.00	3.37	-0.20	5.69
	4353.00	36.01	52.82	150.0	506.31	726.40	4113.88	-613.12	-303.23	95.00	1.09	-0.12	-1.84
	4448.00	35.98	54.08	150.0	539.56	771.25	4190.75	-536.25	-323.88	95.00	0.78	-0.03	1.33
	4542.00	35.80	56.32	152.7	571.01	816.49	4266.90	-460.10	-342.68	94.00	1.41	-0.19	2.38
	4637.00	36.15	65.93	152.7	597.87	865.23	4343.85	-383.15	-356.15	95.00	5.95	0.37	10.12
	4731.00	36.04	66.70	152.7	620.11	915.94	4419.80	-307.20	-364.65	94.00	0.50	-0.12	0.82
	4826.00	36.08	63.94	155.4	643.46	966.75	4496.61	-230.39	-374.20	95.00	1.71	0.04	-2.91
	5015.00	34.62	52.70	158.1	700.50	1059.55	4650.92	-76.08	-405.56	189.00	3.52	-0.77	-5.95
	5110.00	35.10	60.05	158.1	730.51	1104.70	4728.91	1.91	-422.98	95.00	4.45	0.51	7.74
	5204.00	34.68	55.86	158.1	759.01	1150.26	4806.02	79.02	-438.86	94.00	2.59	-0.45	-4.46
	5299.00	34.84	58.22	160.8	788.47	1195.70	4884.07	157.07	-455.69	95.00	1.43	0.17	2.48
	5393.00	35.00	54.34	160.8	818.33	1240.43	4961.16	234.16	-473.09	94.00	2.37	0.17	-4.13
	5488.00	34.89	51.43	160.8	851.16	1283.82	5039.04	312.04	-493.70	95.00	1.76	-0.12	-3.06
	5582.00	34.67	53.53	163.5	883.81	1326.34	5116.25	389.25	-514.37	94.00	1.30	-0.23	2.23
	5677.00	34.91	52.07	163.5	916.59	1369.51	5194.27	467.27	-534.98	95.00	0.91	0.25	-1.54
	5771.00	34.69	48.83	163.5	950.73	1410.86	5271.46	544.46	-557.39	94.00	1.98	-0.23	-3.45
	5866.00	34.80	49.92	166.2	985.98	1451.96	5349.52	622.52	-580.93	95.00	0.66	0.12	1.15
	5960.00	34.88	49.43	168.9	1020.73	1492.90	5426.67	699.67	-604.03	94.00	0.31	0.09	-0.52
	6055.00	34.86	48.73	168.9	1056.31	1533.94	5504.62	777.62	-627.90	95.00	0.42	-0.02	-0.74
	6149.00	34.69	50.71	171.6	1090.97	1574.83	5581.83	854.83	-650.92	94.00	1.21	-0.18	2.11
	6244.00	34.60	50.67	174.3	1125.18	1616.62	5659.99	932.99	-673.28	95.00	0.10	-0.09	-0.04
	6339.00	34.67	50.21	174.3	1159.57	1658.25	5738.15	1011.15	-695.85	95.00	0.28	0.07	-0.48
	6433.00	34.72	49.69	174.3	1194.00	1699.20	5815.44	1088.44	-718.63	94.00	0.32	0.05	-0.55
	6528.00	34.94	47.73	171.6	1229.80	1739.96	5893.42	1166.42	-742.79	95.00	1.20	0.23	-2.06
	6622.00	30.65	50.44	174.3	1263.18	1778.38	5972.42	1245.42	-765.21	94.00	4.82	-4.56	2.88
	6717.00	30.91	67.59	179.7	1287.95	1819.68	6054.20	1327.20	-778.57	95.00	9.22	0.27	18.05
	6812.00	30.81	85.65	179.7	1299.13	1866.60	6135.93	1408.93	-777.35	95.00	9.72	-0.11	19.01

	6907.00	31.11	101.21	182.5	1296.20	1915.01	6217.53	1490.53	-762.11	95.00	8.41	0.32	16.38
	7001.00	32.97	111.81	185.2	1281.96	1962.62	6297.27	1570.27	-736.14	94.00	6.29	1.98	11.28
	7095.00	35.78	124.10	187.9	1257.01	2009.19	6374.94	1647.94	-700.10	94.00	7.95	2.99	13.07
	7190.00	39.93	134.52	190.6	1220.01	2053.99	6450.01	1723.01	-652.85	95.00	8.01	4.37	10.97
	7284.00	45.34	144.69	190.6	1171.49	2094.90	6519.22	1792.22	-595.46	94.00	9.30	5.76	10.82
	7379.00	52.97	152.05	193.3	1110.28	2132.29	6581.35	1854.35	-526.71	95.00	9.93	8.03	7.75
	7473.00	58.04	160.52	196.0	1039.41	2163.23	6634.64	1907.64	-450.28	94.00	9.17	5.39	9.01
	7568.00	64.13	161.86	201.4	960.72	2190.00	6680.55	1953.55	-367.36	95.00	6.53	6.41	1.41
	7663.00	69.19	166.58	201.4	876.82	2213.64	6718.20	1991.20	-280.21	95.00	7.01	5.33	4.97
	7757.00	74.95	164.96	204.1	790.18	2235.64	6747.12	2020.12	-190.82	94.00	6.34	6.13	-1.72
	7852.00	80.53	171.60	204.1	699.36	2254.42	6767.31	2040.31	-98.22	95.00	9.01	5.87	6.99
	7946.00	87.63	176.14	206.8	606.48	2264.37	6777.00	2050.00	-5.89	94.00	8.95	7.55	4.83
	8041.00	89.66	178.16	209.5	511.63	2269.09	6779.25	2052.25	87.00	95.00	3.01	2.14	2.13
	8136.00	90.09	179.86	214.9	416.65	2270.73	6779.46	2052.46	179.23	95.00	1.85	0.45	1.79
	8231.00	89.78	180.01	214.9	321.65	2270.84	6779.57	2052.57	271.08	95.00	0.36	-0.33	0.16
	8325.00	90.15	179.91	217.6	227.65	2270.90	6779.62	2052.62	361.96	94.00	0.41	0.39	-0.11
	8420.00	90.31	180.03	212.2	132.65	2270.95	6779.24	2052.24	453.80	95.00	0.21	0.17	0.13
	8514.00	90.49	180.86	217.6	38.66	2270.22	6778.59	2051.59	544.47	94.00	0.90	0.19	0.88
	8609.00	89.66	181.35	220.3	-56.32	2268.39	6778.46	2051.46	635.81	95.00	1.01	-0.87	0.52
	8703.00	89.97	180.84	220.3	-150.31	2266.60	6778.76	2051.76	726.19	94.00	0.63	0.33	-0.54
	8798.00	90.09	181.32	223.0	-245.29	2264.81	6778.71	2051.71	817.54	95.00	0.52	0.13	0.51
	8892.00	90.00	180.55	225.7	-339.28	2263.27	6778.64	2051.64	908.00	94.00	0.82	-0.10	-0.82
	8987.00	90.03	181.27	225.7	-434.26	2261.76	6778.62	2051.62	999.42	95.00	0.76	0.03	0.76
	9081.00	89.88	180.85	225.7	-528.25	2260.02	6778.69	2051.69	1089.82	94.00	0.47	-0.16	-0.45
	9176.00	89.72	181.36	228.4	-623.23	2258.19	6779.02	2052.02	1181.16	95.00	0.56	-0.17	0.54
	9270.00	89.66	181.53	228.4	-717.20	2255.82	6779.53	2052.53	1271.39	94.00	0.19	-0.06	0.18
	9365.00	89.88	181.65	231.1	-812.16	2253.19	6779.91	2052.91	1362.50	95.00	0.26	0.23	0.13
	9459.00	89.78	181.03	233.8	-906.13	2250.99	6780.19	2053.19	1452.77	94.00	0.67	-0.11	-0.66
	9553.00	89.63	181.34	233.8	-1000.11	2249.04	6780.67	2053.67	1543.11	94.00	0.37	-0.16	0.33
	9648.00	89.66	178.80	233.8	-1095.10	2248.93	6781.26	2054.26	1634.90	95.00	2.67	0.03	-2.67
	9743.00	89.91	179.20	236.5	-1190.09	2250.59	6781.62	2054.62	1727.14	95.00	0.50	0.26	0.42
	9837.00	89.72	179.09	236.5	-1284.07	2251.99	6781.92	2054.92	1818.35	94.00	0.23	-0.20	-0.12
	9931.00	90.03	179.70	236.5	-1378.07	2252.98	6782.13	2055.13	1909.46	94.00	0.73	0.33	0.65
	10026.00	89.85	179.88	236.5	-1473.07	2253.33	6782.23	2055.23	2001.37	95.00	0.27	-0.19	0.19
	10121.00	89.57	179.97	239.2	-1568.07	2253.45	6782.71	2055.71	2093.23	95.00	0.31	-0.29	0.09
	10215.00	89.05	178.73	239.2	-1662.05	2254.52	6783.84	2056.84	2184.35	94.00	1.43	-0.55	-1.32
	10310.00	89.35	178.31	239.2	-1757.01	2256.97	6785.17	2058.17	2276.76	95.00	0.54	0.32	-0.44
	10405.00	89.94	179.25	241.9	-1851.99	2259.00	6785.76	2058.76	2369.09	95.00	1.17	0.62	0.99
	10499.00	89.60	178.59	241.9	-1945.97	2260.77	6786.13	2059.13	2460.38	94.00	0.79	-0.36	-0.70
	10594.00	89.54	179.17	244.6	-2040.95	2262.62	6786.85	2059.85	2552.67	95.00	0.61	-0.06	0.61
	10688.00	89.54	178.13	244.6	-2134.92	2264.84	6787.60	2060.60	2644.06	94.00	1.11	0.00	-1.11
	10783.00	89.08	179.02	244.6	-2229.88	2267.20	6788.74	2061.74	2736.46	95.00	1.05	-0.48	0.94
	10878.00	90.15	179.29	247.3	-2324.86	2268.60	6789.38	2062.38	2828.63	95.00	1.16	1.13	0.28
	10972.00	89.72	178.44	247.3	-2418.84	2270.46	6789.49	2062.49	2919.95	94.00	1.01	-0.46	-0.90
	11067.00	89.88	179.78	247.3	-2513.83	2271.94	6789.82	2062.82	3012.14	95.00	1.42	0.17	1.41
	11161.00	89.63	178.40	247.3	-2607.82	2273.43	6790.22	2063.22	3103.37	94.00	1.49	-0.27	-1.47
	11256.00	89.66	178.96	247.3	-2702.79	2275.62	6790.81	2063.81	3195.73	95.00	0.59	0.03	0.59
	11351.00	90.09	178.23	250.0	-2797.76	2277.95	6791.02	2064.02	3288.13	95.00	0.89	0.45	-0.77
	11445.00	89.69	179.05	250.0	-2891.73	2280.18	6791.20	2064.20	3379.53	94.00	0.97	-0.43	0.87
	11540.00	89.78	178.88	250.0	-2986.71	2281.90	6791.64	2064.64	3471.78	95.00	0.20	0.09	-0.18
	11634.00	89.29	178.51	250.0	-3080.69	2284.04	6792.40	2065.40	3563.17	94.00	0.65	-0.52	-0.39
	11729.00	89.20	178.24	250.0	-3175.64	2286.73	6793.65	2066.65	3655.64	95.00	0.30	-0.09	-0.28
	11823.00	89.82	179.73	252.7	-3269.62	2288.40	6794.46	2067.46	3746.91	94.00	1.72	0.66	1.59
	11918.00	89.66	179.02	252.7	-3364.61	2289.43	6794.89	2067.89	3838.99	95.00	0.77	-0.17	-0.75
	12012.00	89.88	178.98	250.0	-3458.60	2291.07	6795.27	2068.27	3930.26	94.00	0.24	0.23	-0.04
	12107.00	89.97	179.45	252.7	-3553.59	2292.37	6795.39	2068.39	4022.41	95.00	0.50	0.09	0.49
	12201.00	90.12	179.34	250.0	-3647.58	2293.37	6795.32	2068.32	4113.52	94.00	0.20	0.16	-0.12
	12296.00	90.00	179.22	250.0	-3742.57	2294.56	6795.22	2068.22	4205.64	95.00	0.18	-0.13	-0.13
	12390.00	89.45	178.30	241.9	-3836.55	2296.60	6795.67	2068.67	4297.00	94.00	1.14	-0.59	-0.98
	12485.00	89.82	178.51	228.4	-3931.51	2299.24	6796.27	2069.27	4389.47	95.00	0.45	0.39	0.22
	12579.00	89.94	177.12	236.5	-4025.44	2302.82	6796.47	2069.47	4481.18	94.00	1.48	0.13	-1.48
	12674.00	89.72	177.12	239.2	-4120.32	2307.60	6796.75	2069.75	4574.11	95.00	0.23	-0.23	0.00

	12768.00	89.94	178.25	239.2	-4214.24	2311.39	6797.03	2070.03	4665.87	94.00	1.22	0.23	1.20
	12863.00	89.75	179.32	241.9	-4309.22	2313.41	6797.29	2070.29	4758.19	95.00	1.14	-0.20	1.13
	12957.00	90.00	179.58	244.6	-4403.21	2314.31	6797.49	2070.49	4849.28	94.00	0.38	0.27	0.28
	13052.00	89.69	179.60	244.6	-4498.21	2314.99	6797.75	2070.75	4941.28	95.00	0.33	-0.33	0.02
	13146.00	90.03	179.86	247.3	-4592.21	2315.43	6797.98	2070.98	5032.25	94.00	0.46	0.36	0.28
	13240.00	89.85	179.83	250.0	-4686.21	2315.69	6798.08	2071.08	5123.17	94.00	0.19	-0.19	-0.03
	13335.00	89.72	179.34	250.0	-4781.20	2316.37	6798.43	2071.43	5215.17	95.00	0.53	-0.14	-0.52
	13429.00	89.82	179.47	250.0	-4875.20	2317.35	6798.81	2071.81	5306.28	94.00	0.17	0.11	0.14
	13524.00	90.00	179.38	252.7	-4970.19	2318.30	6798.96	2071.96	5398.35	95.00	0.21	0.19	-0.09
	13618.00	90.43	180.11	252.7	-5064.19	2318.72	6798.61	2071.61	5489.31	94.00	0.90	0.46	0.78
	13713.00	89.97	179.39	255.4	-5159.19	2319.14	6798.28	2071.28	5581.24	95.00	0.90	-0.48	-0.76
	13807.00	90.46	180.31	255.4	-5253.19	2319.38	6797.92	2070.92	5672.16	94.00	1.11	0.52	0.98
	13902.00	90.09	179.94	255.4	-5348.18	2319.18	6797.47	2070.47	5763.94	95.00	0.55	-0.39	-0.39
	13996.00	89.82	176.54	255.4	-5442.13	2322.06	6797.54	2070.54	5855.48	94.00	3.63	-0.29	-3.62
	14091.00	89.88	177.98	255.4	-5537.01	2326.60	6797.79	2070.79	5948.36	95.00	1.52	0.06	1.52
	14185.00	89.57	177.87	258.1	-5630.95	2330.01	6798.24	2071.24	6040.04	94.00	0.35	-0.33	-0.12
	14280.00	89.66	178.58	258.1	-5725.90	2332.95	6798.88	2071.88	6132.57	95.00	0.75	0.09	0.75
	14375.00	89.57	178.70	255.4	-5820.87	2335.20	6799.52	2072.52	6224.95	95.00	0.16	-0.09	0.13
	14469.00	89.57	179.04	258.1	-5914.85	2337.06	6800.22	2073.22	6316.26	94.00	0.36	0.00	0.36
	14564.00	89.82	179.06	260.8	-6009.84	2338.63	6800.73	2073.73	6408.48	95.00	0.26	0.26	0.02
	14658.00	89.63	178.03	260.8	-6103.81	2341.02	6801.18	2074.18	6499.92	94.00	1.11	-0.20	-1.10
	14753.00	89.78	177.67	260.8	-6198.74	2344.58	6801.67	2074.67	6592.59	95.00	0.41	0.16	-0.38
	14848.00	89.60	178.39	260.8	-6293.68	2347.85	6802.18	2075.18	6685.20	95.00	0.78	-0.19	0.76
	14942.00	90.00	178.87	260.8	-6387.65	2350.10	6802.51	2075.51	6776.61	94.00	0.66	0.43	0.51
	15037.00	89.97	179.15	263.5	-6482.64	2351.74	6802.54	2075.54	6868.84	95.00	0.30	-0.03	0.29
	15132.00	89.88	178.55	263.5	-6577.62	2353.65	6802.66	2075.66	6961.14	95.00	0.64	-0.09	-0.63
	15226.00	90.15	178.99	263.5	-6671.60	2355.66	6802.64	2075.64	7052.50	94.00	0.55	0.29	0.47
	15320.00	89.41	177.99	263.5	-6765.56	2358.14	6803.00	2076.00	7143.96	94.00	1.32	-0.79	-1.06
	15415.00	89.91	178.28	263.5	-6860.51	2361.23	6803.56	2076.56	7236.53	95.00	0.61	0.53	0.31
	15510.00	89.75	178.15	266.2	-6955.46	2364.19	6803.84	2076.84	7329.07	95.00	0.22	-0.17	-0.14
	15604.00	89.88	177.97	263.5	-7049.41	2367.37	6804.15	2077.15	7420.69	94.00	0.24	0.14	-0.19
	15698.00	89.69	177.31	266.2	-7143.33	2371.24	6804.50	2077.50	7512.46	94.00	0.73	-0.20	-0.70
	15793.00	90.00	178.61	266.2	-7238.26	2374.63	6804.76	2077.76	7605.10	95.00	1.41	0.33	1.37
	15888.00	89.75	178.15	266.2	-7333.23	2377.31	6804.96	2077.96	7697.58	95.00	0.55	-0.26	-0.48
	15982.00	89.85	177.59	266.2	-7427.16	2380.80	6805.29	2078.29	7789.27	94.00	0.61	0.11	-0.60
	16076.00	89.42	177.07	266.2	-7521.06	2385.18	6805.89	2078.89	7881.15	94.00	0.72	-0.46	-0.55
	16171.00	89.69	177.74	266.2	-7615.95	2389.48	6806.63	2079.63	7973.98	95.00	0.76	0.28	0.71
	16266.00	89.60	177.62	266.2	-7710.87	2393.33	6807.22	2080.22	8066.72	95.00	0.16	-0.09	-0.13
	16360.00	90.15	179.17	266.2	-7804.83	2395.96	6807.42	2080.42	8158.21	94.00	1.75	0.59	1.65
	16455.00	90.03	179.51	266.2	-7899.83	2397.06	6807.27	2080.27	8250.31	95.00	0.38	-0.13	0.36
	16550.00	90.40	180.22	263.5	-7994.83	2397.28	6806.92	2079.92	8342.20	95.00	0.84	0.39	0.75
	16644.00	89.38	178.57	263.5	-8088.82	2398.27	6807.10	2080.10	8433.30	94.00	2.06	-1.09	-1.76
	16739.00	89.78	178.14	266.2	-8183.77	2401.00	6807.79	2080.79	8525.79	95.00	0.62	0.42	-0.45
	16833.00	89.69	178.41	266.2	-8277.73	2403.83	6808.23	2081.23	8617.33	94.00	0.30	-0.10	0.29
	16928.00	89.82	177.96	266.2	-8372.68	2406.84	6808.63	2081.63	8709.88	95.00	0.49	0.14	-0.47
	17022.00	89.60	177.92	269.0	-8466.62	2410.22	6809.11	2082.11	8801.55	94.00	0.24	-0.23	-0.04
	17116.00	89.63	177.40	269.0	-8560.54	2414.06	6809.74	2082.74	8893.31	94.00	0.55	0.03	-0.55
	17211.00	89.63	177.81	269.0	-8655.45	2418.03	6810.36	2083.36	8986.08	95.00	0.43	0.00	0.43
	17306.00	89.75	178.03	269.0	-8750.39	2421.47	6810.87	2083.87	9078.73	95.00	0.26	0.13	0.23
	17400.00	89.78	176.76	271.7	-8844.29	2425.75	6811.25	2084.25	9170.58	94.00	1.35	0.03	-1.35
	17495.00	90.09	177.61	271.7	-8939.17	2430.41	6811.36	2084.36	9263.49	95.00	0.95	0.33	0.89
	17581.00	90.03	177.70	269.0	-9025.10	2433.93	6811.27	2084.27	9347.45	86.00	0.13	-0.07	0.10
Projection	17605.00	90.03	177.70	N/A	-9049.08	2434.89	6811.26	2084.26	9370.88	24.00	0.00	-0.00	-0.00