



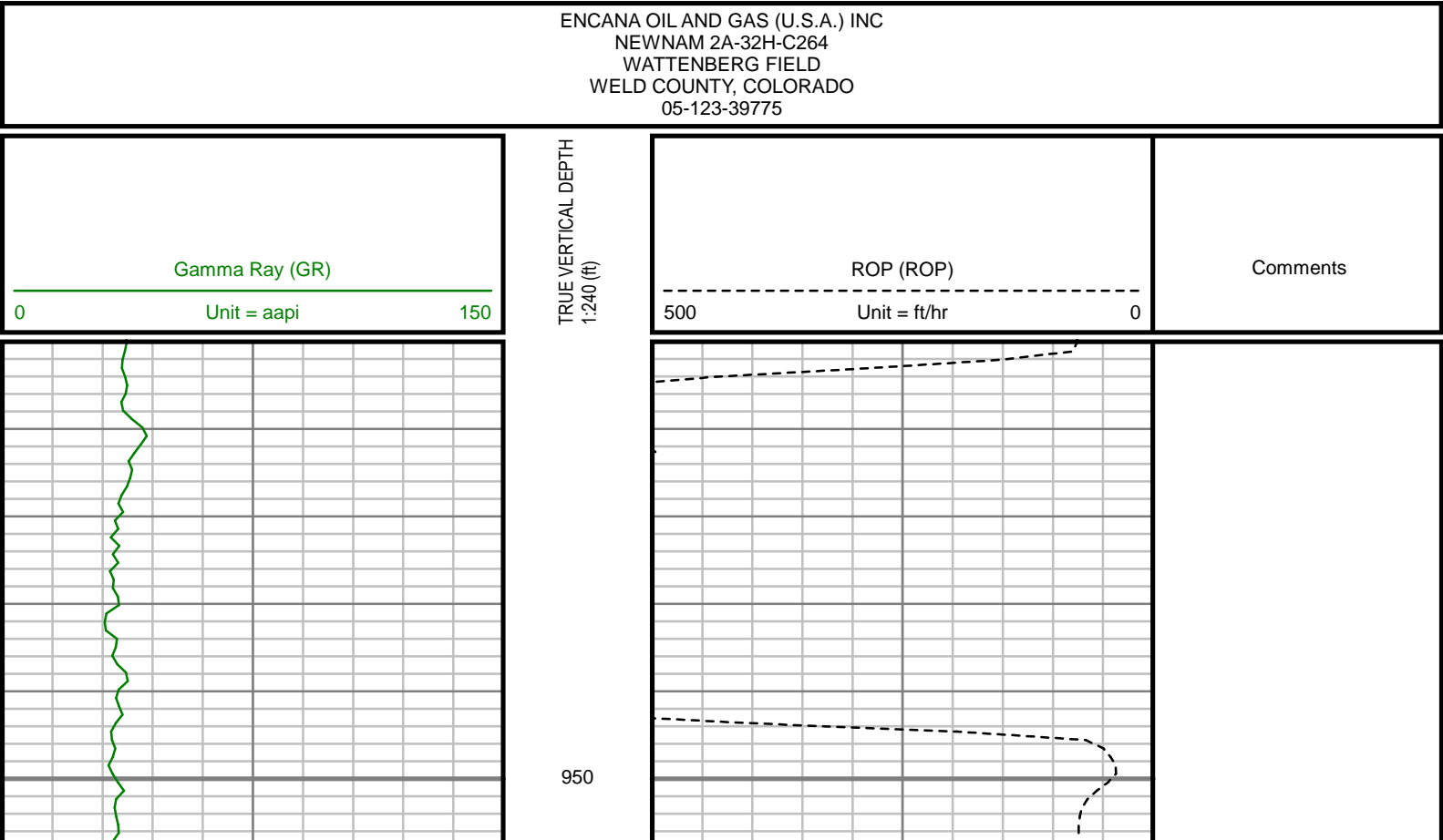
GAMMA RAY

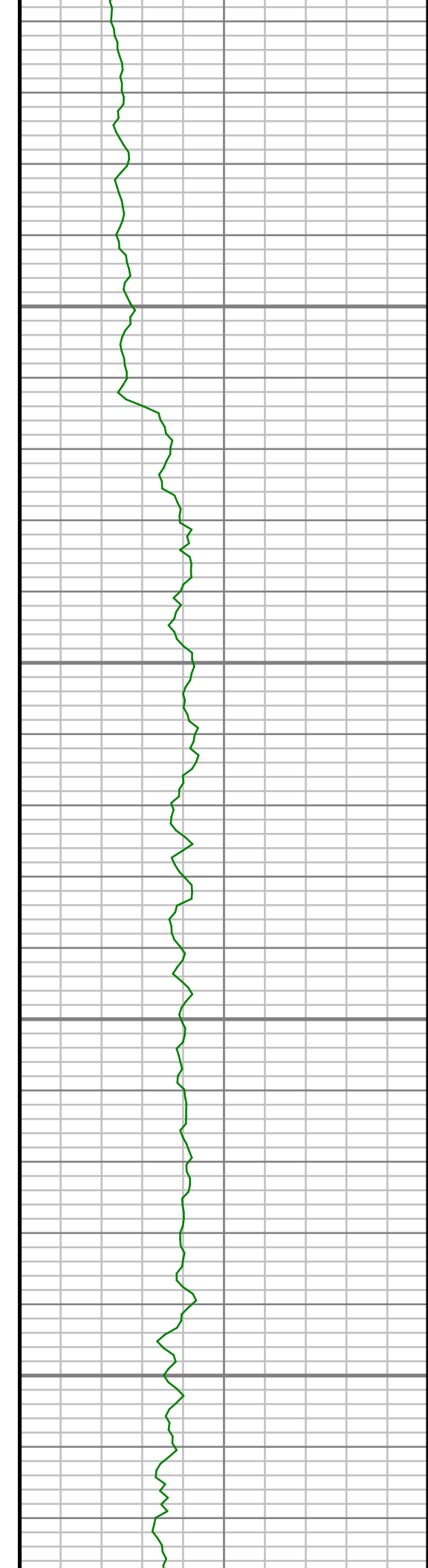
5" = 100' FEET TVD

| | | | | | | | | | | | |
|--|---------|-------|-----------------|---------|-------|---------------------------|--|--|--|--|--|
| COMPANY : ENCANA OIL AND GAS (USA) INC | | | | | | WELL : NEWNAM 2A-32H-C264 | | | | | |
| WELL : NEWNAM 2A-32H-C264 | | | | | | FIELD : WATTENBERG | | | | | |
| COUNTY : WELD | | | | | | STATE : COLORADO | | | | | |
| COUNTRY : U.S.A. | | | | | | UWI : 05-123-39775 | | | | | |
| DEPTH REF. : RKB | | | | | | REF. HEIGHT : 13.000 ft | | | | | |
| GROUND LEVEL : 4952.000 ft | | | | | | G.L. to MEAN SEA LEVEL | | | | | |
| BOREHOLE RECORD | | | | | | DEVIATION RECORD | | | | | |
| HOLE SIZE in | FROM ft | TO ft | INCLINATION deg | FROM ft | TO ft | | | | | | |
| 12.25 | 133 | 1040 | 0 - 15 | 133 | 1040 | | | | | | |
| 8.75 | 1040 | 7615 | 15 - 83 | 1040 | 7615 | | | | | | |
| 6.25 | 7615 | 11700 | 83 - 93 | 7615 | 11700 | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| CASING RECORD | | | | | | | | | | | |
| CASING SIZE in | FROM ft | TO ft | | | | | | | | | |
| 9.625 | 0 | 1013 | | | | | | | | | |
| 7 | 0 | 7607 | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| DRILLING CO.: ENSIGN | | | | | | RIG: 124 | | | | | |
| LMD UNIT NO.: C70-EW4#83DISTRICT: CASPER | | | | | | SPUD DATE: 10/17/2014 | | | | | |
| LMD START DATE: 10/19/2014 | | | | | | DEPTH: 5000 ft | | | | | |
| LMD END DATE: 10/26/2014 | | | | | | DEPTH: 11700 ft | | | | | |
| TOTAL DEPTH: 11700 ft | | | | | | | | | | | |

| |
|--|
| Remarks |
| ENCANA OIL AND GAS (USA) INC PRODUCTION AFE# 13178940 |
| SCIENTIFIC DRILLING INTERNATIONAL JOB# 210880 |
| |
| ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH. |
| ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE. |
| |
| FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE |
| FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO ROP CURVE |
| |
| RUN #1: MWD / DIRECTIONAL RUN |
| SENSORS S/N: PULSER = 128-277 / CONT = 483 / MWD EYE = 1012 |
| BIT TO SENSOR OFFSET: SURVEY = 61.65 FT. |
| |
| RUN #2: MWD / GAMMA RAY LOGGING RUN |
| SENSORS S/N: PULSER = 128-008 / CONT = 831 / MWD EYE = 0809 / GAMMA RAY = 1194 |
| BIT TO SENSOR OFFSETS: SURVEY = 61.65 FT. / GAMMA RAY = 57.02 FT. |
| |
| RUN #3: MWD / GAMMA RAY LOGGING RUN |
| SENSORS S/N: PULSER = 78-285 / CONT = 822 / MWD EYE = 1012 / GAMMA RAY = 1168 |
| BIT TO SENSOR OFFSETS: SURVEY = 61.64 FT. / GAMMA RAY = 57.01 FT. |
| |
| REMARK #1 : GAMMA RAY FROM 7506 FT. - 7607 FT. DATA WAS LOGGED BEHIND CASING. |
| |
| MNEMONICS LIST: |
| GR = GAMMA RAY |
| ROP = ROP |

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.



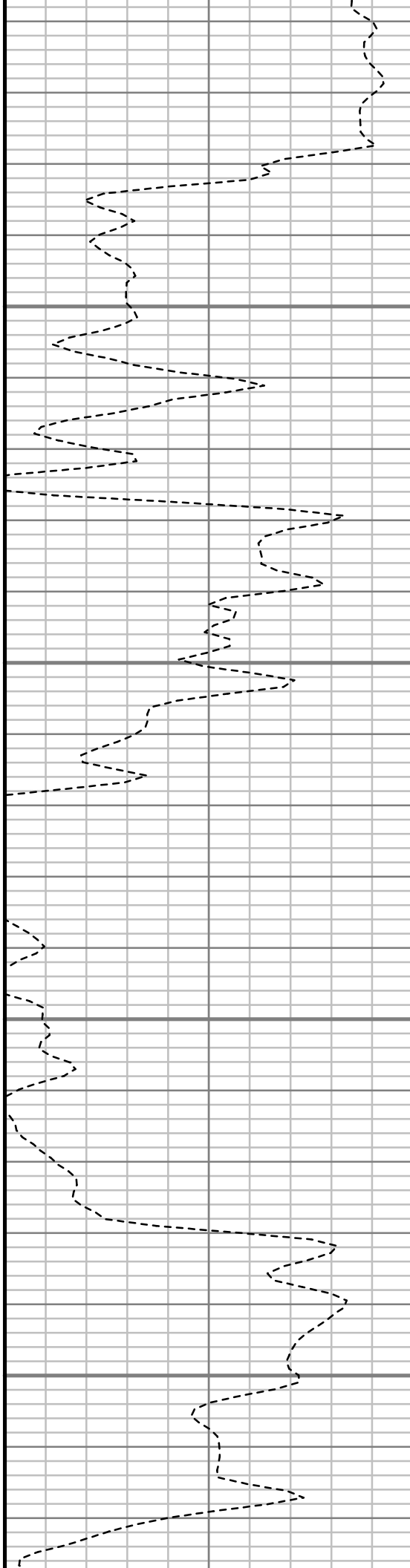


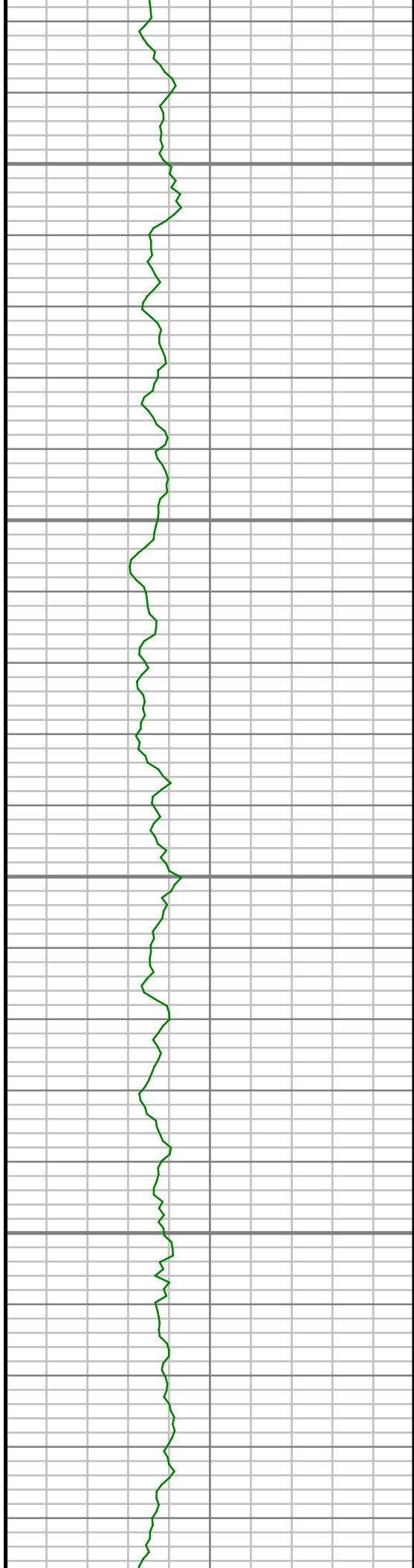
1000

1050

1100

1150



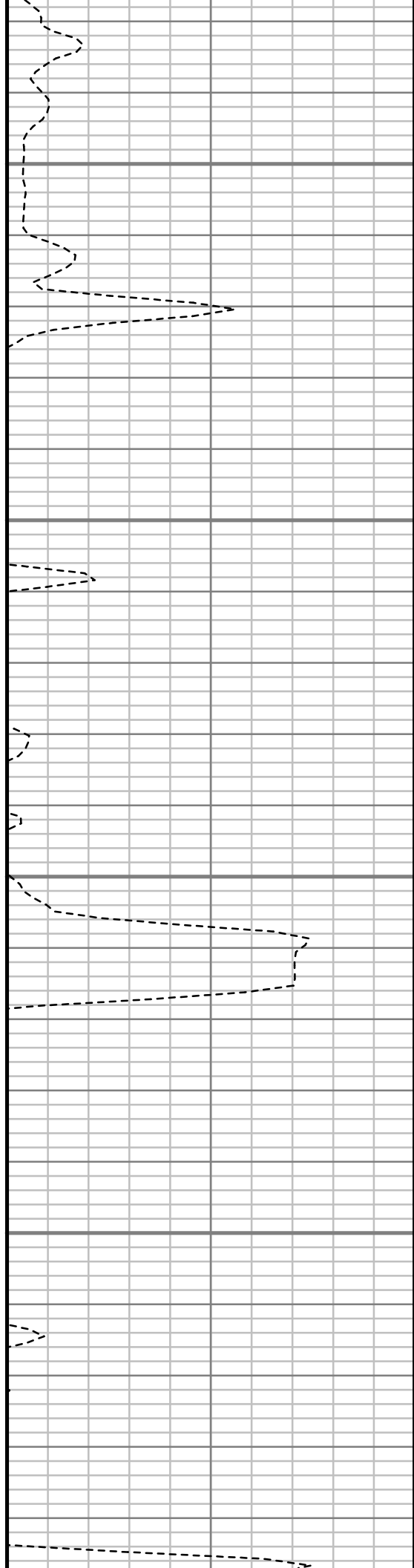


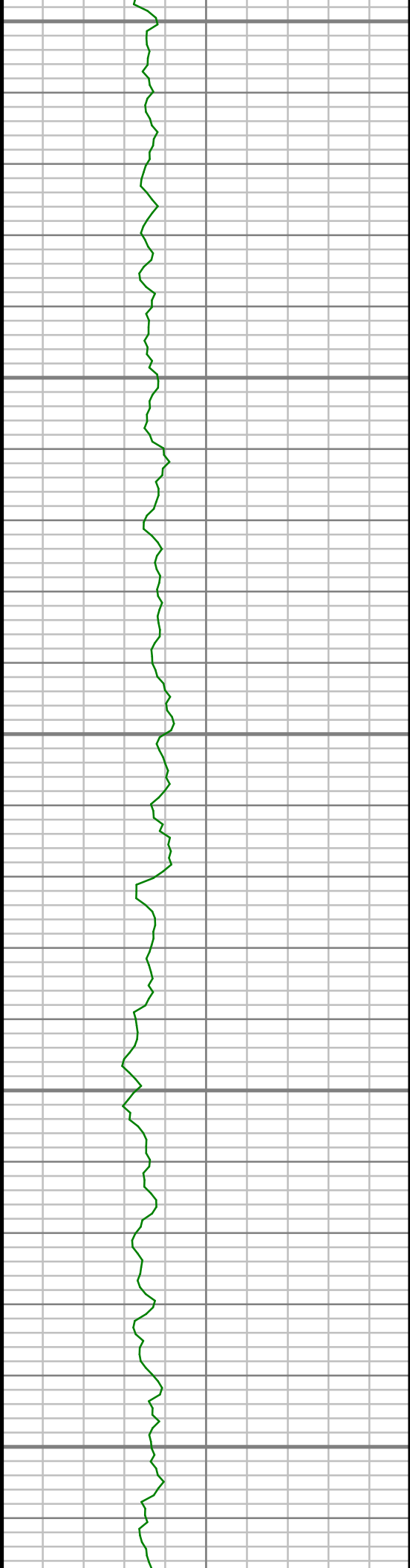
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1250

1300

1350





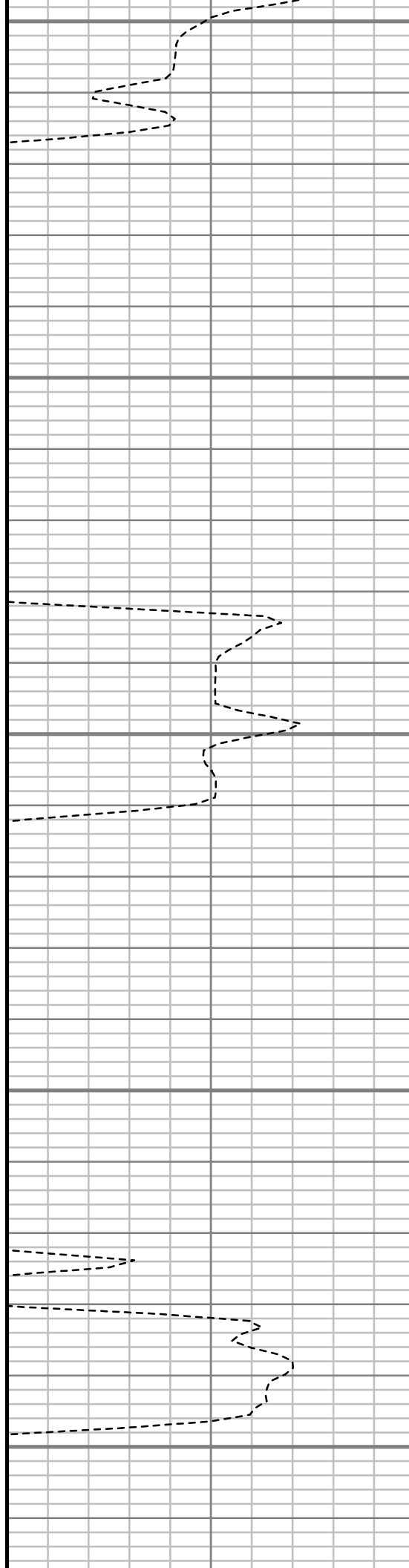
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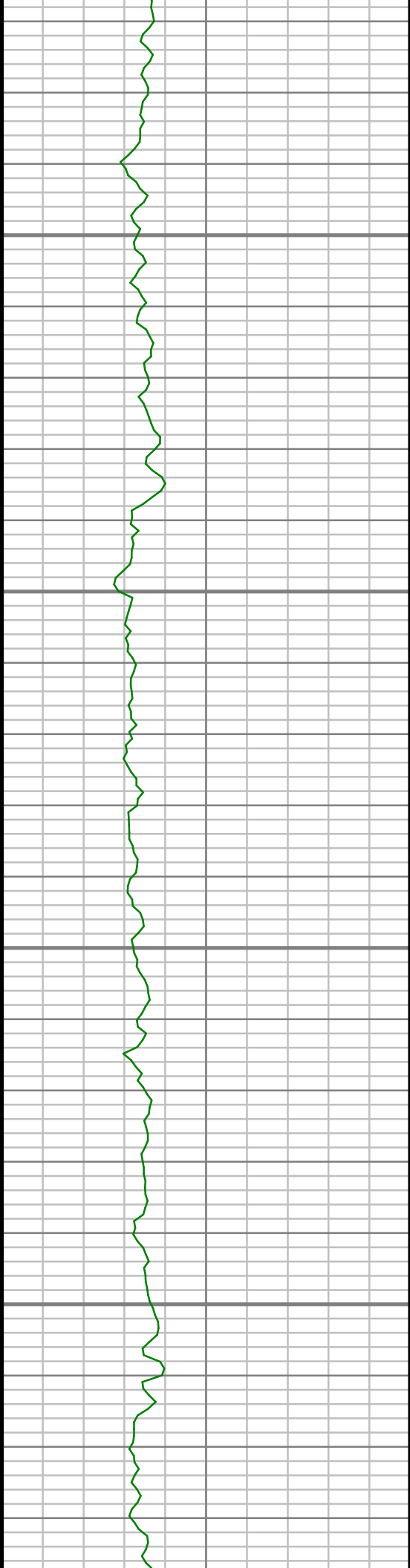
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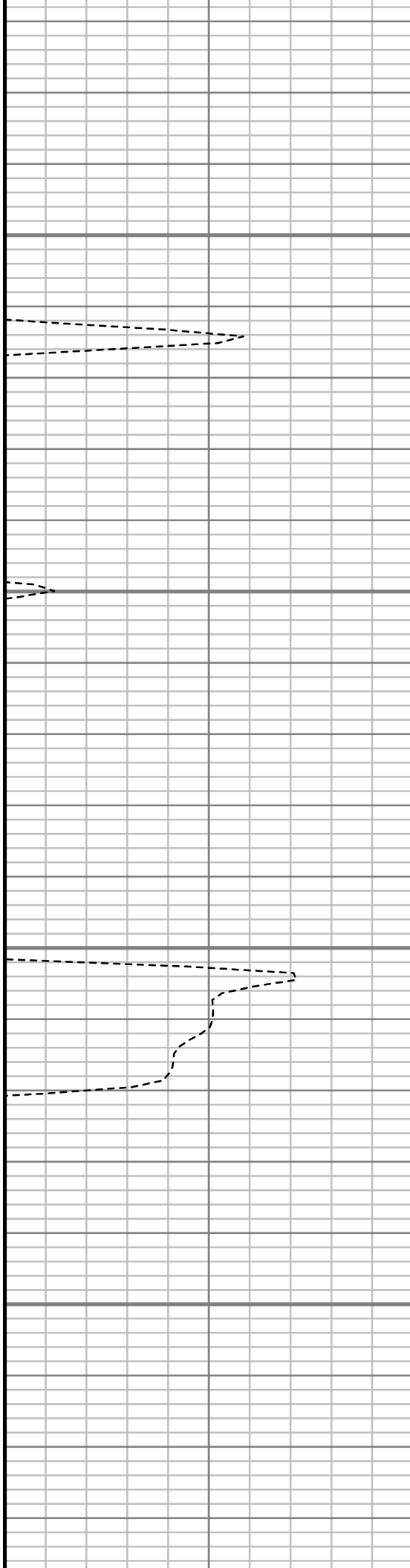
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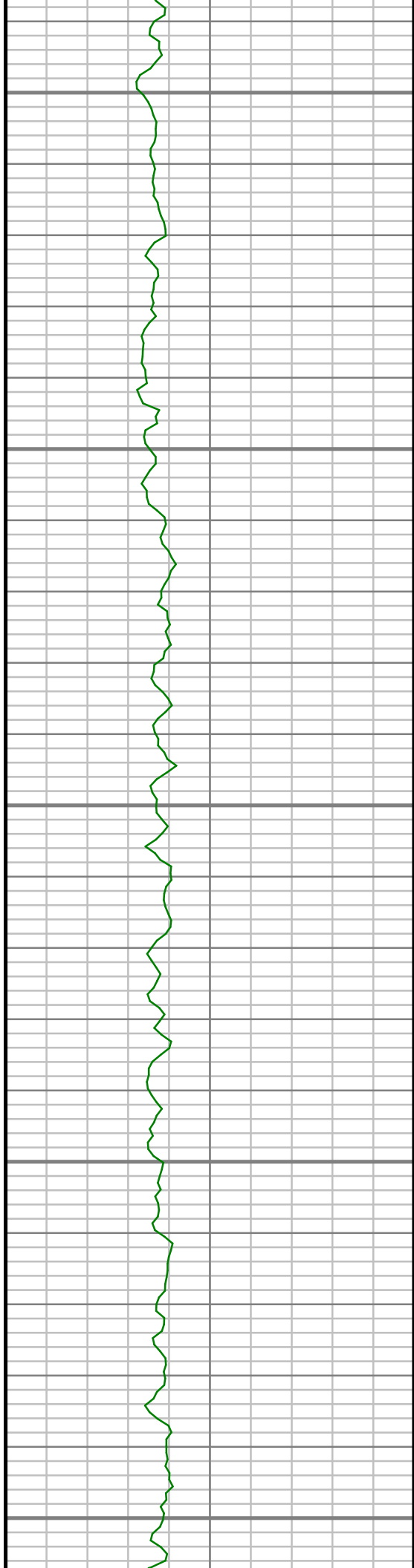
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1750

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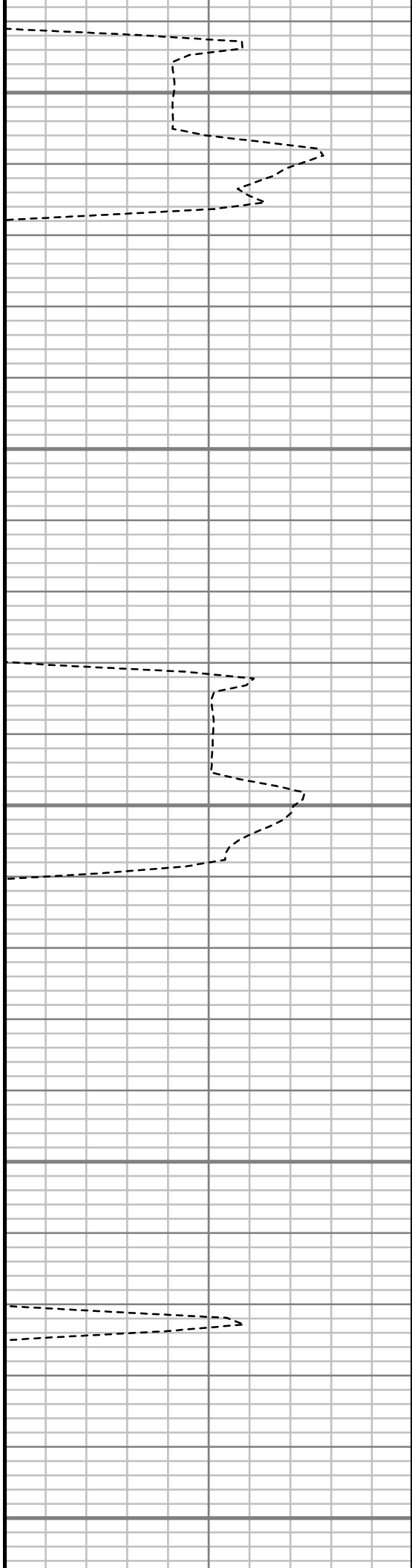
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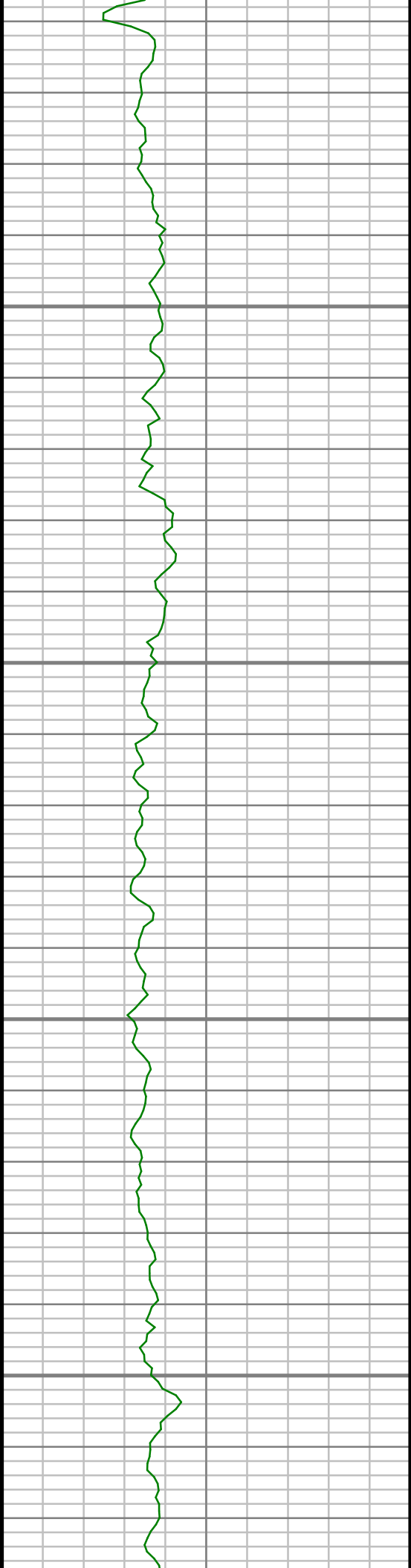
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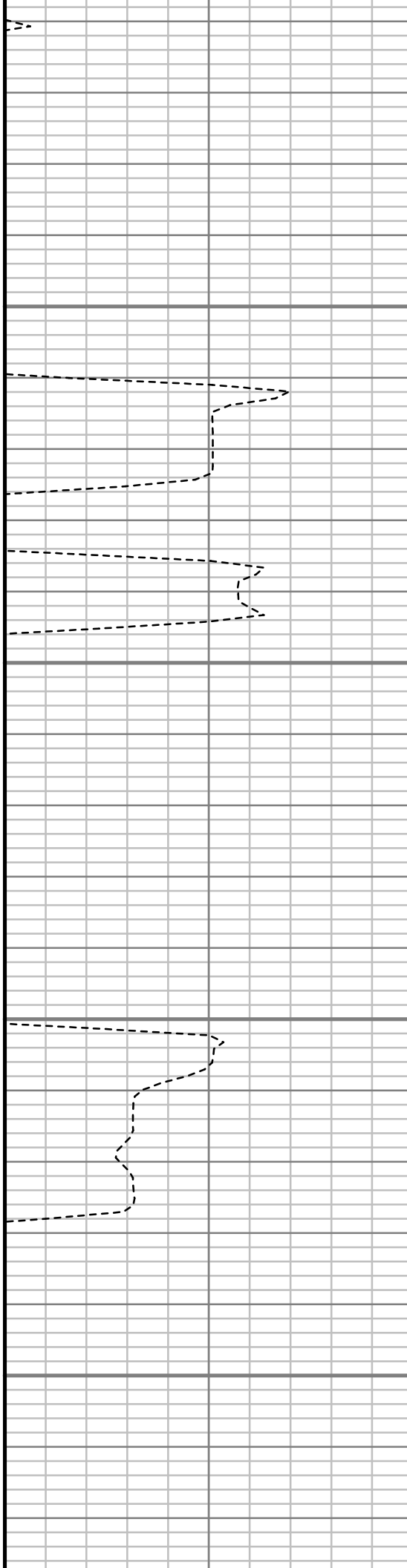


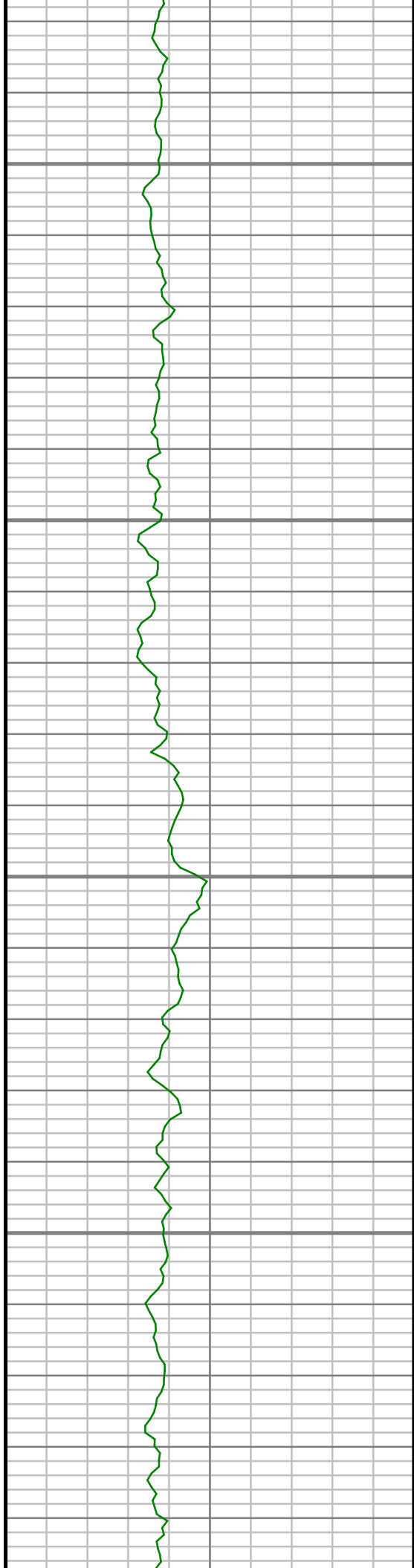
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2250





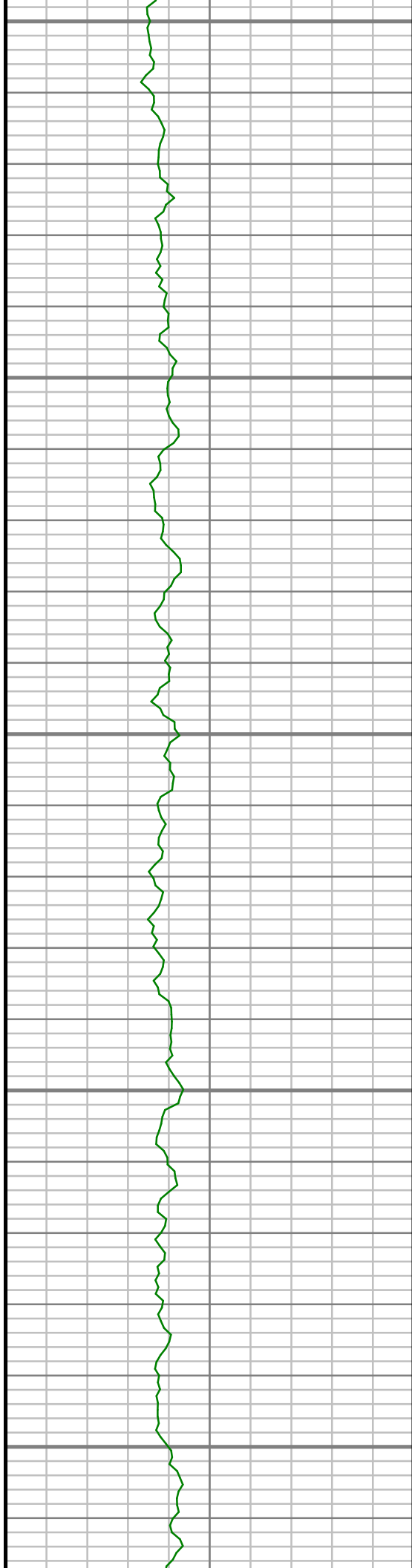
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2350

2400

2450





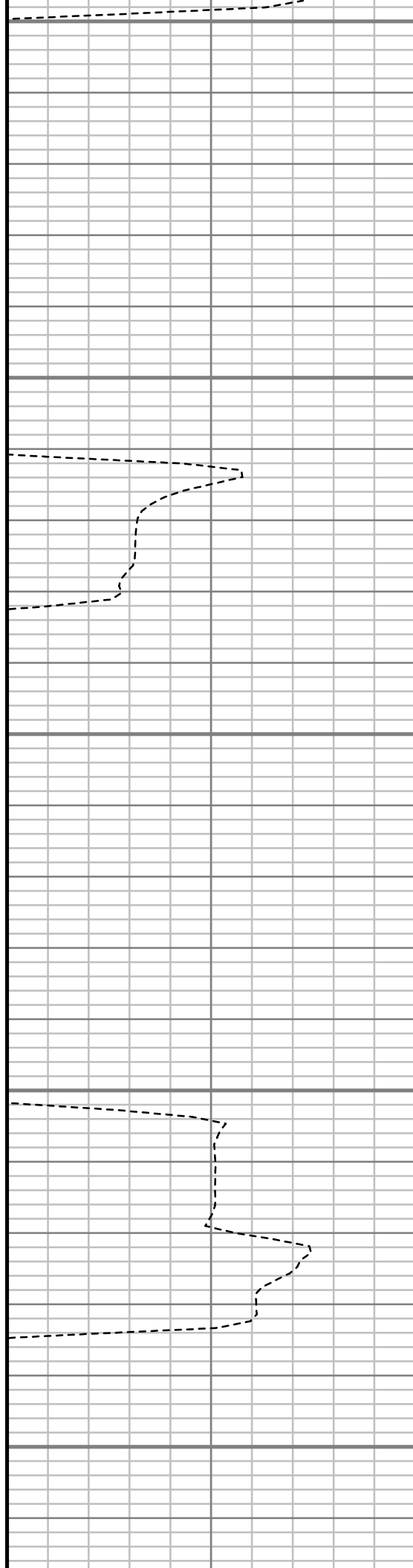
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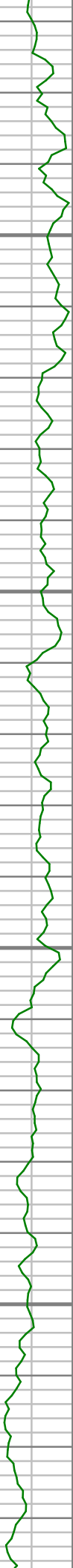
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2700



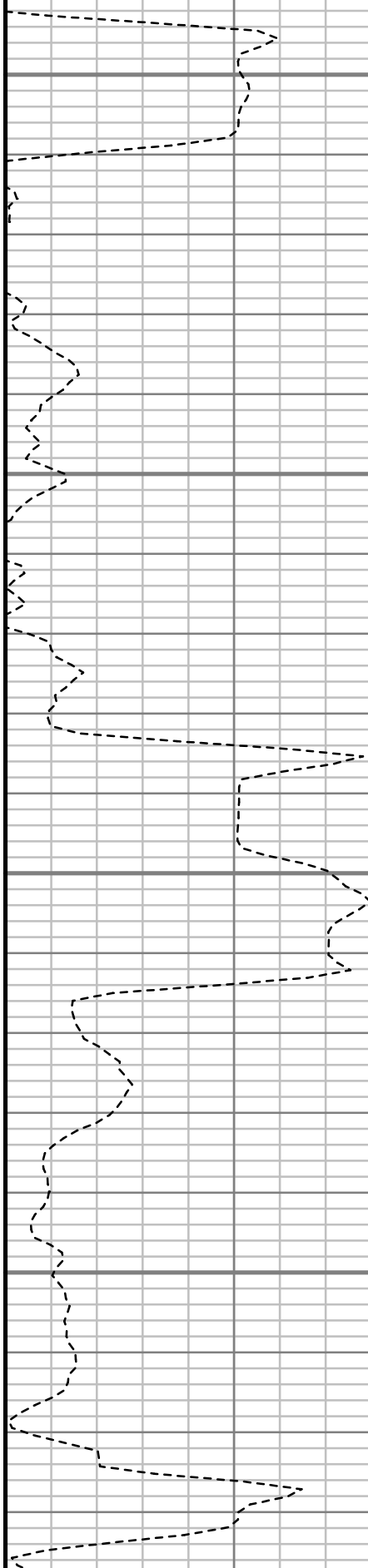


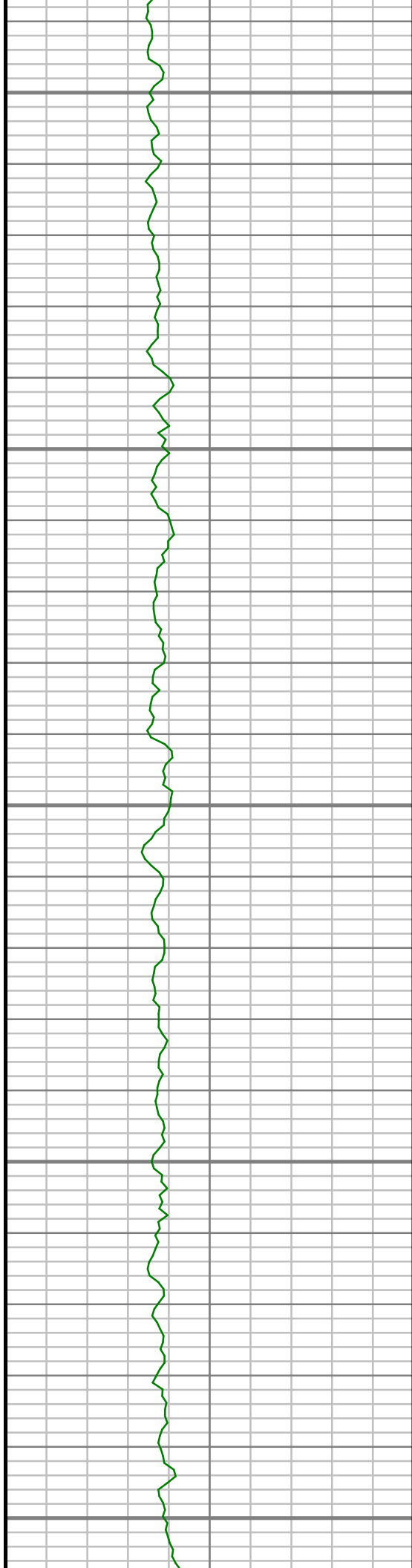
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2850

2900





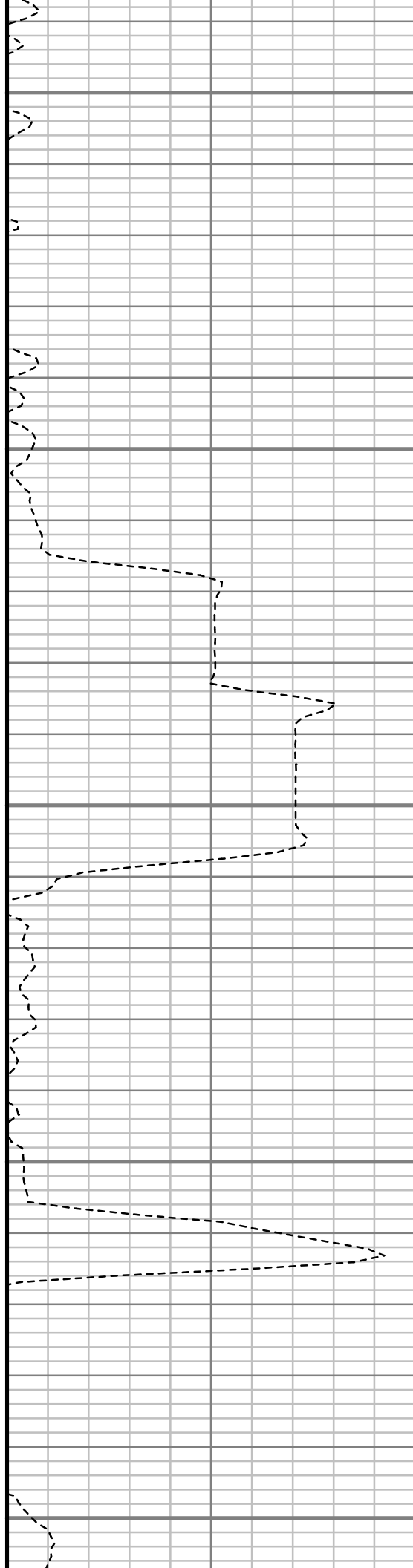
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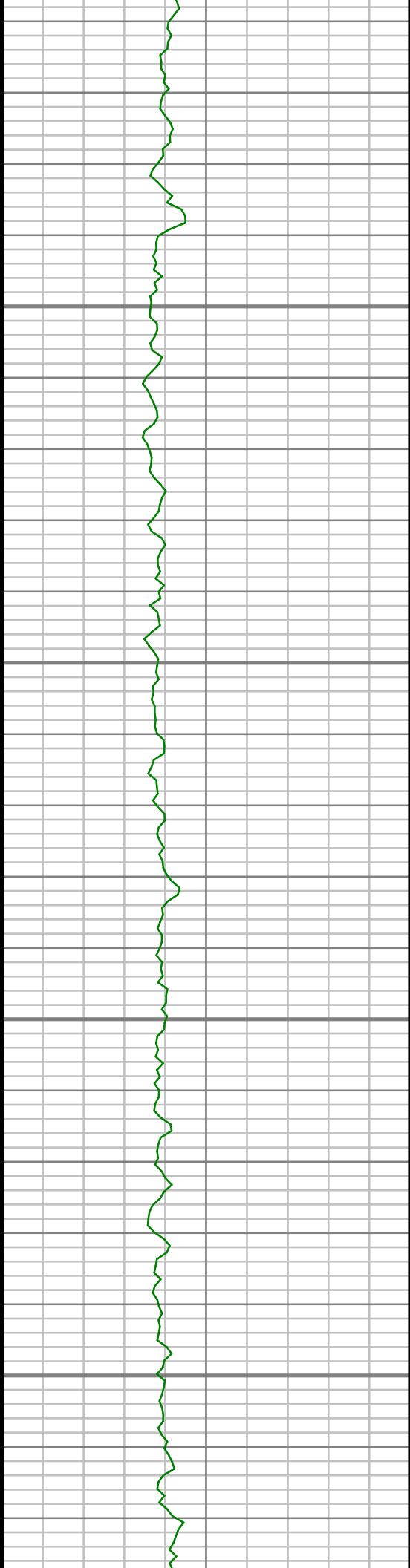
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3150



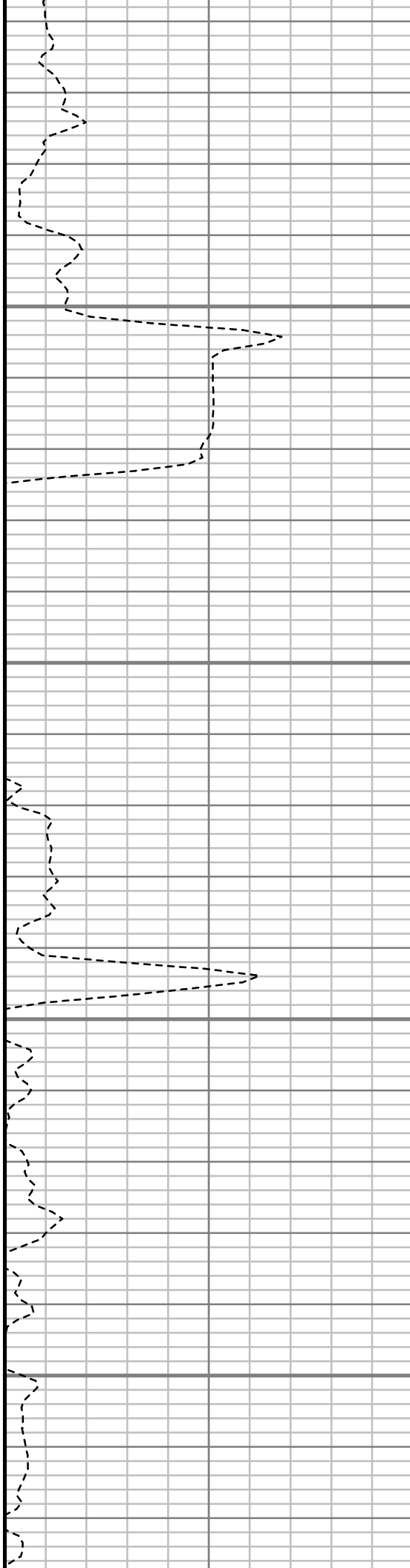


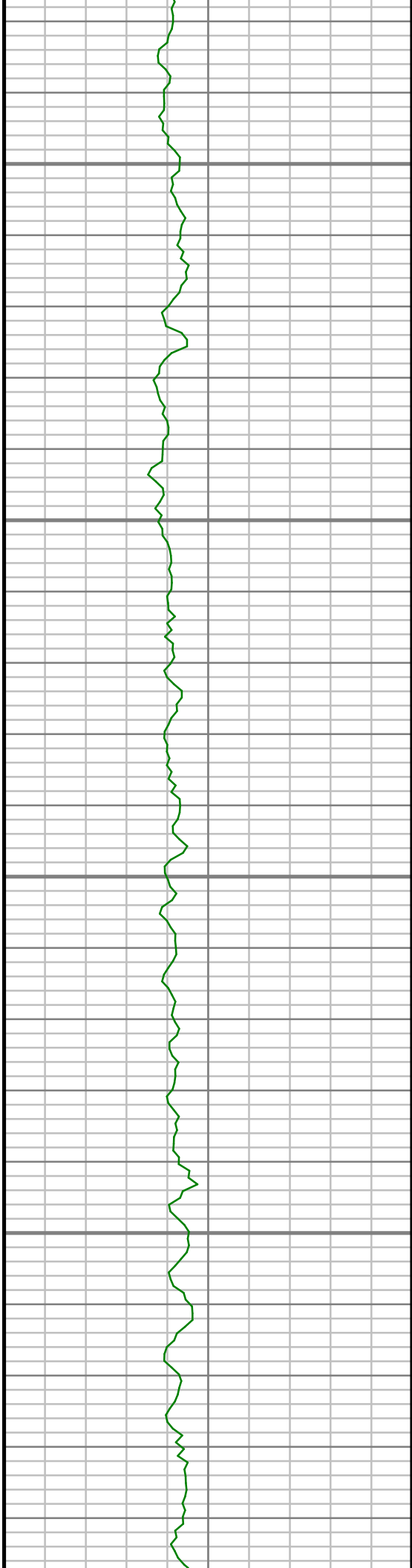
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3350



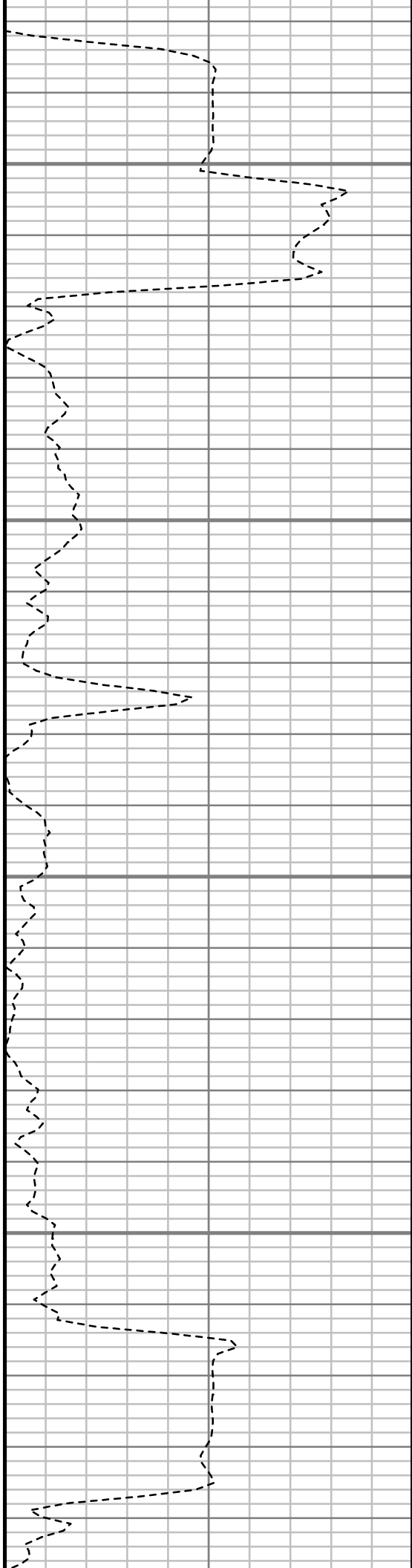


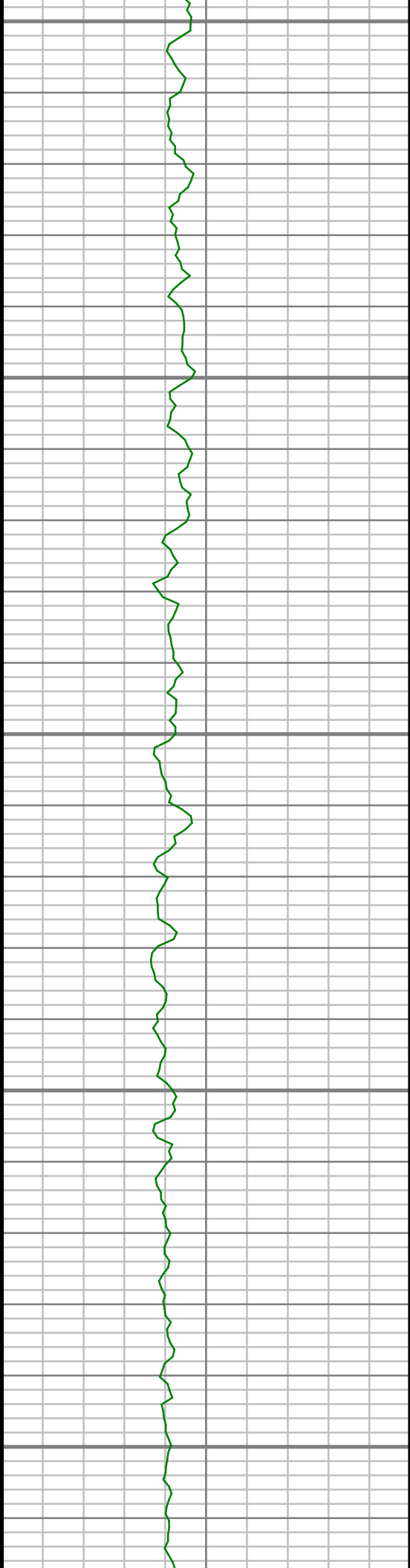
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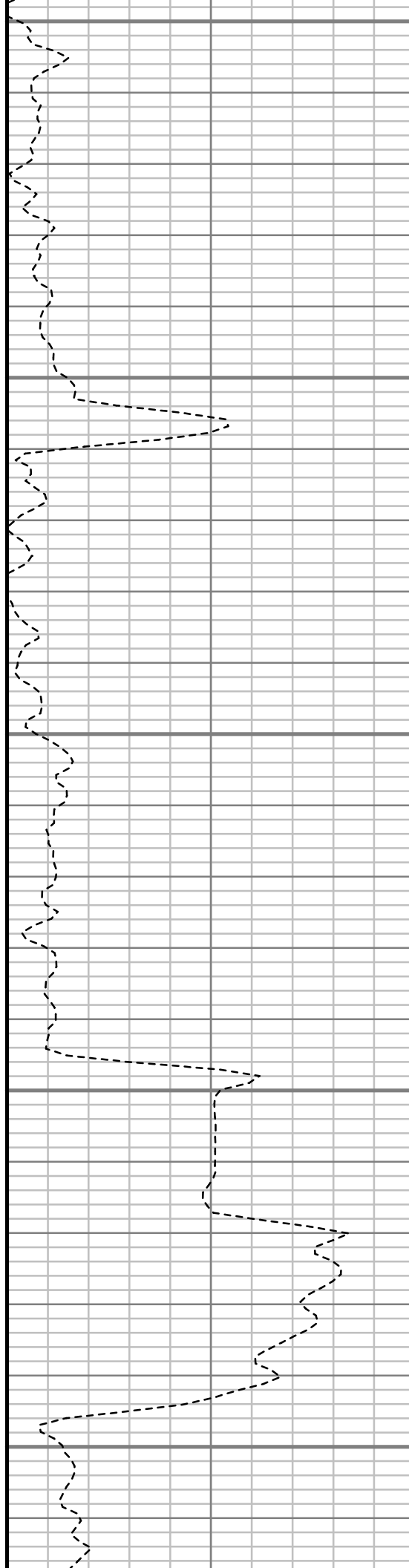
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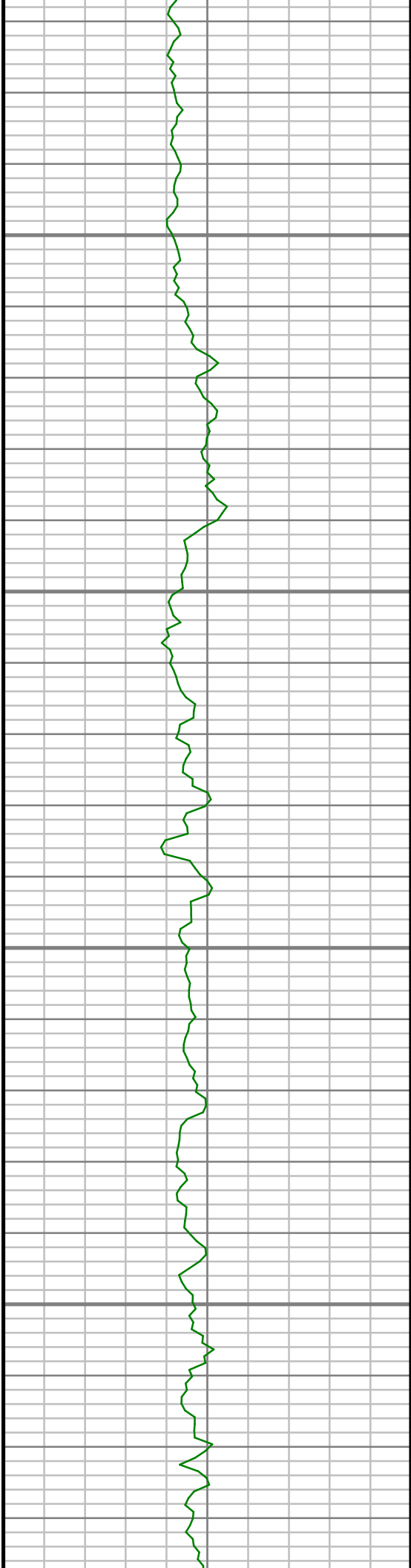
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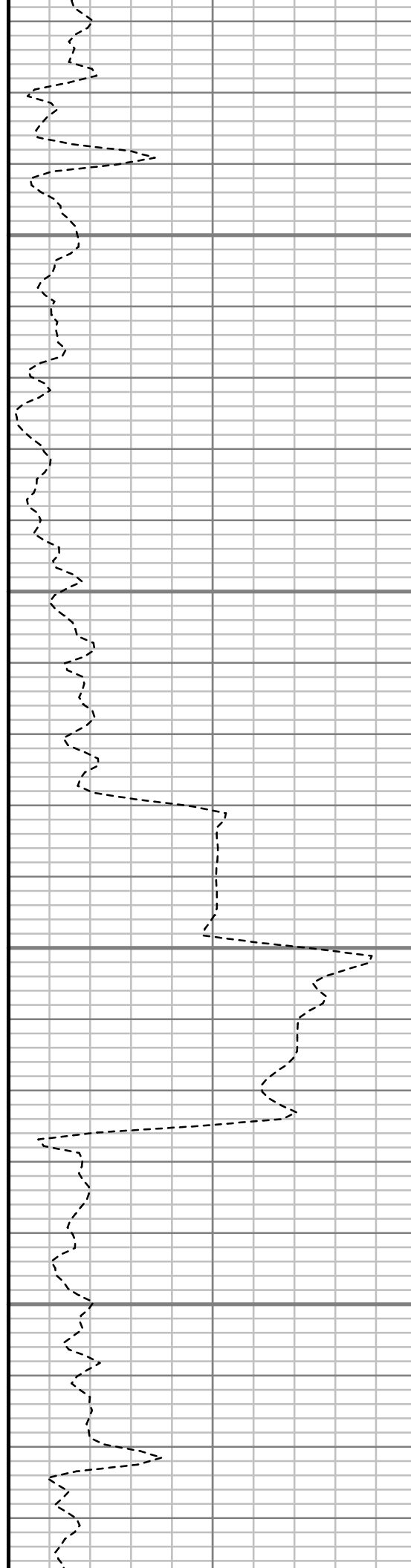


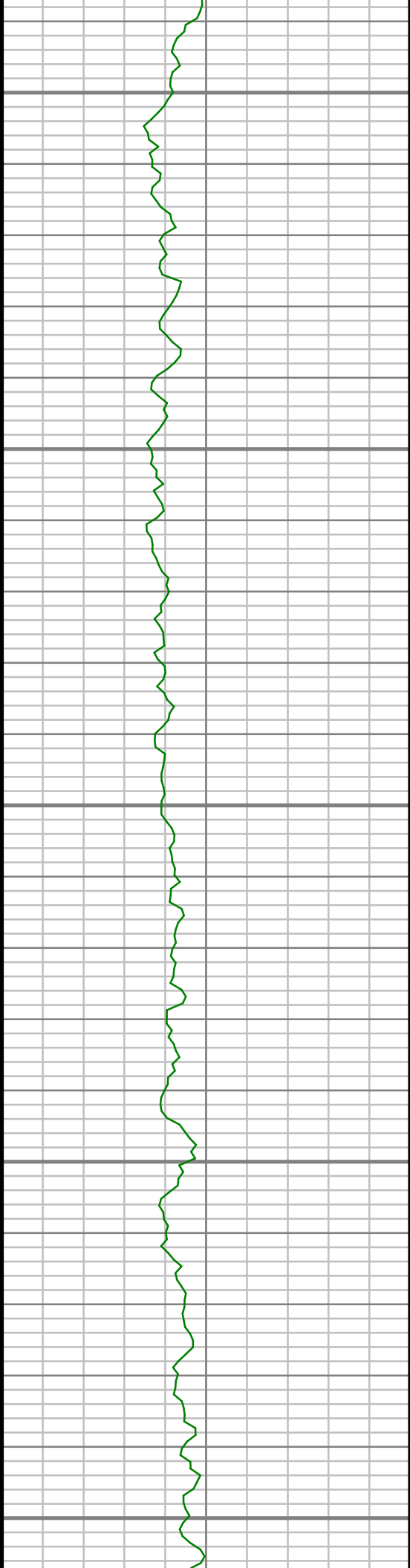
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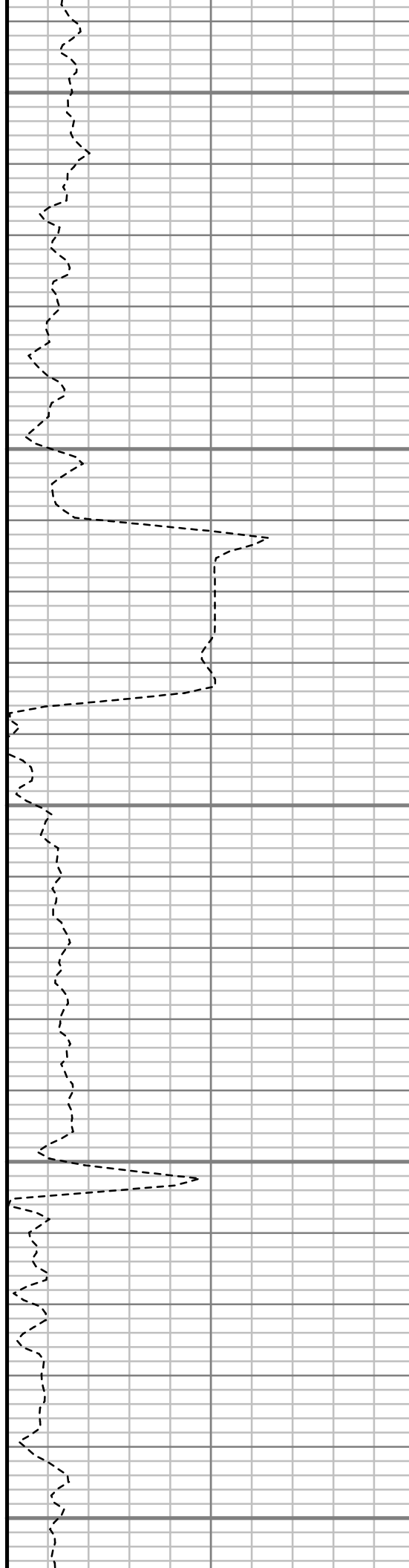
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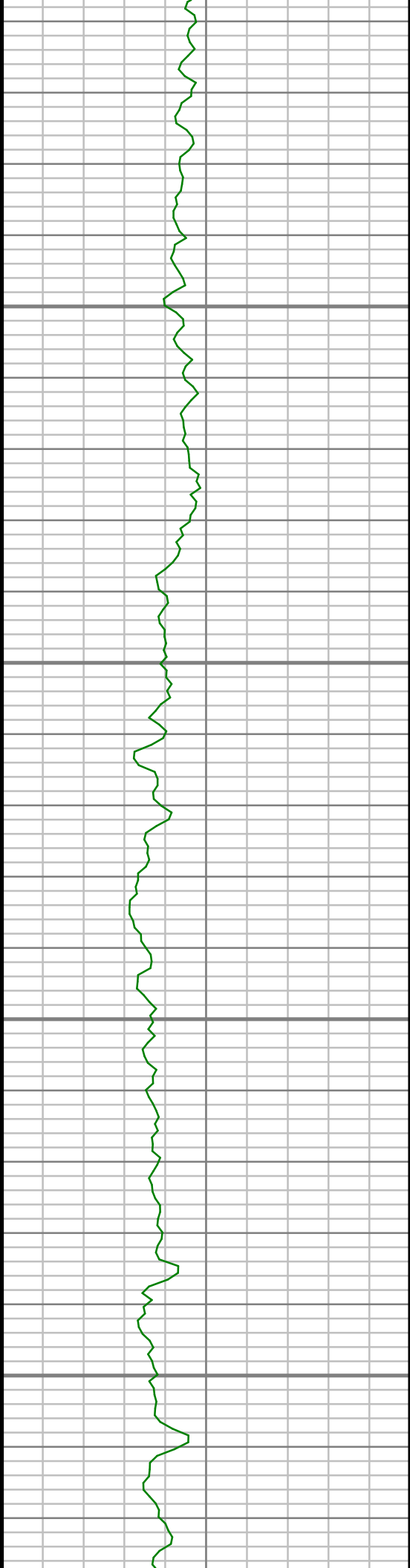
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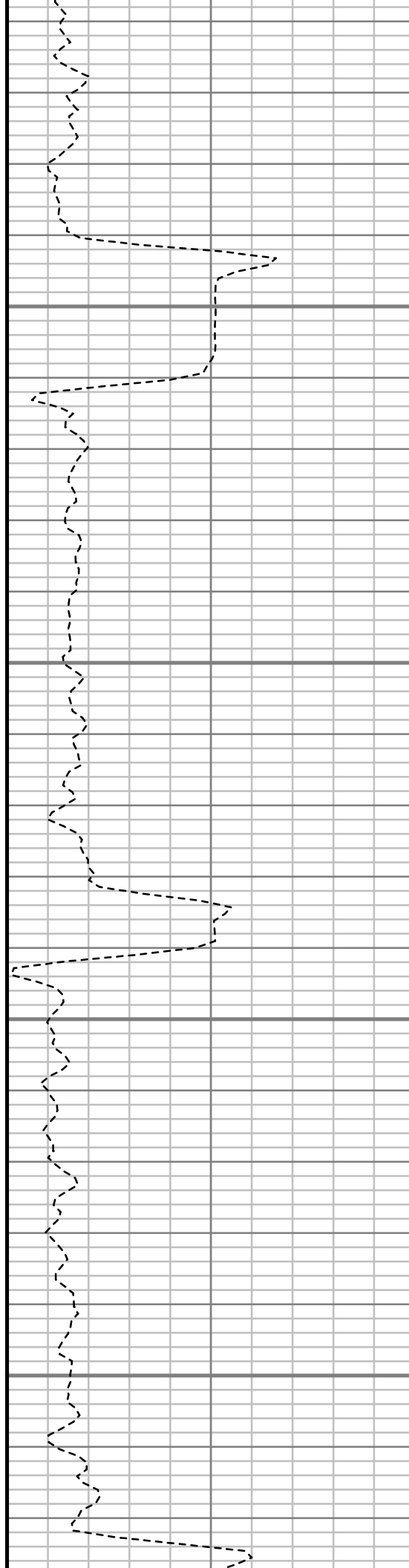


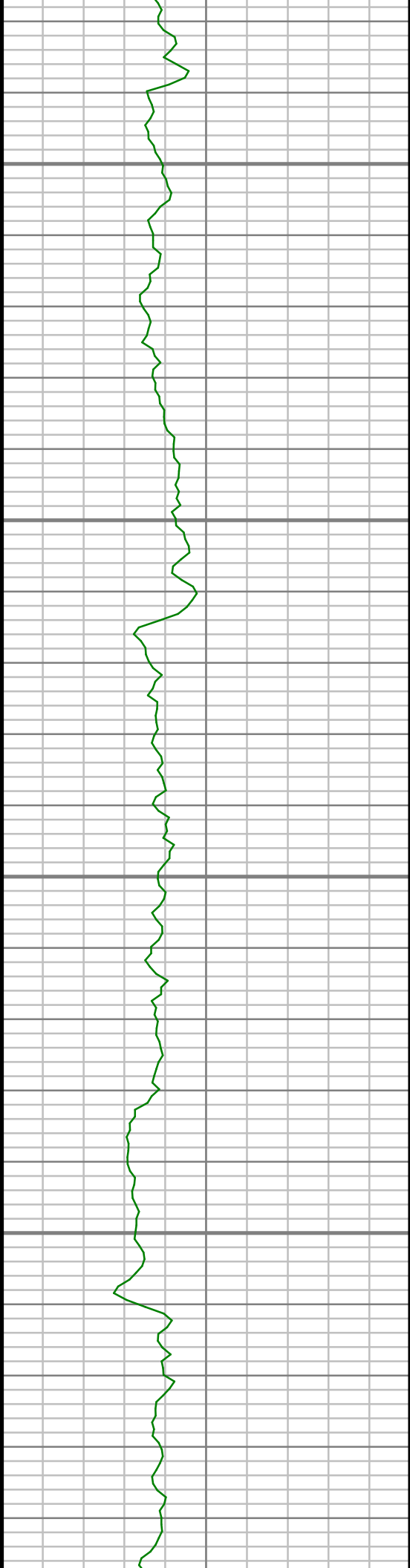
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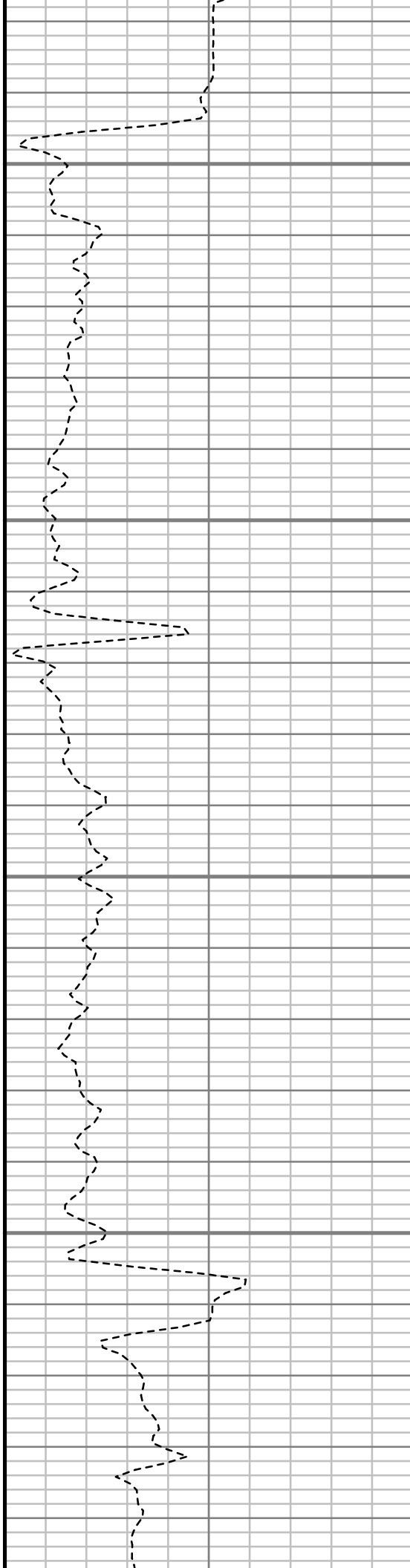


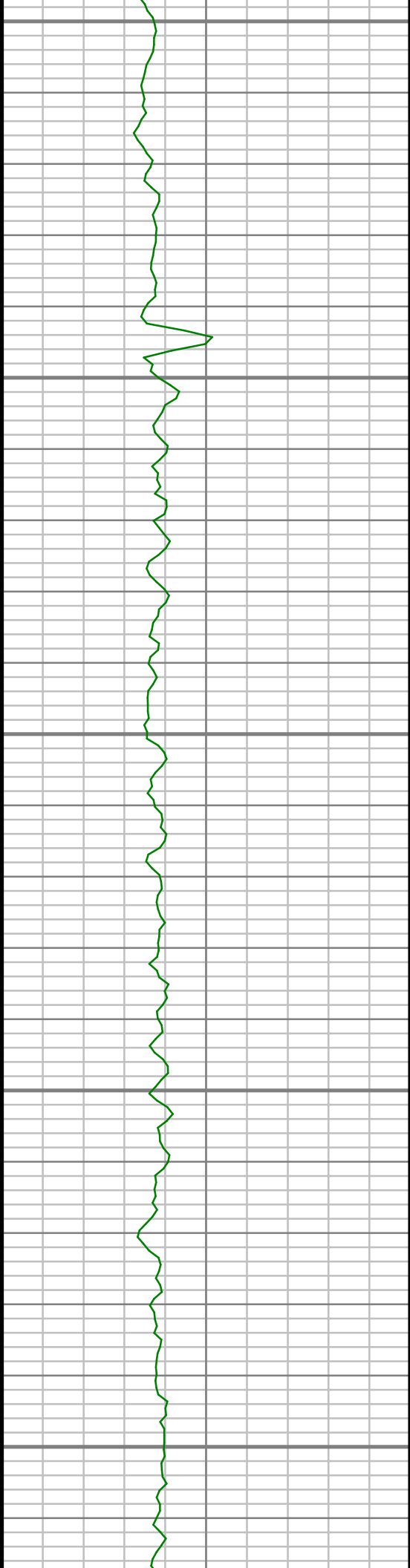
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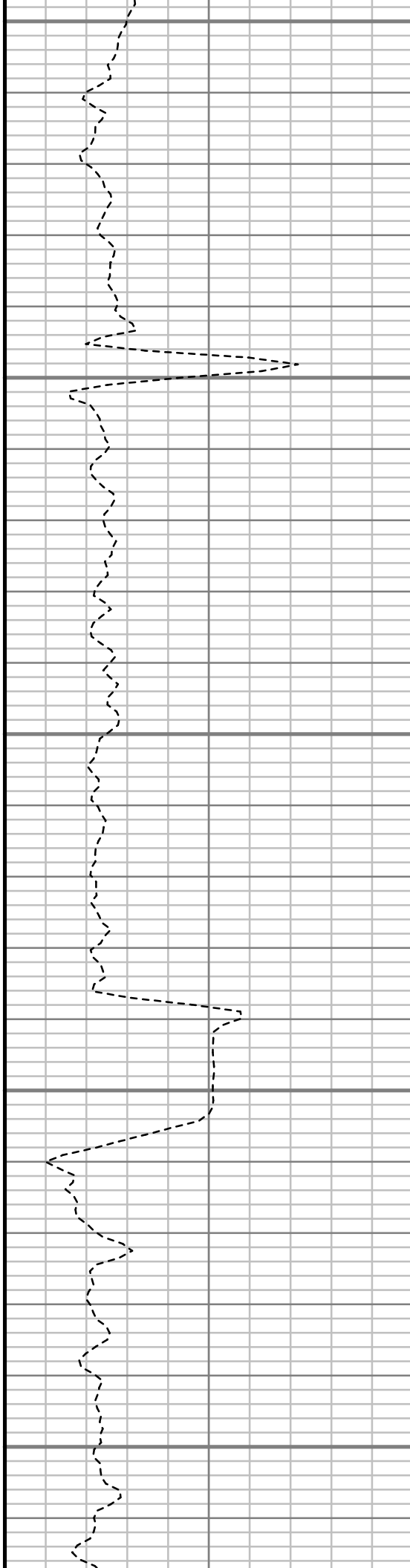
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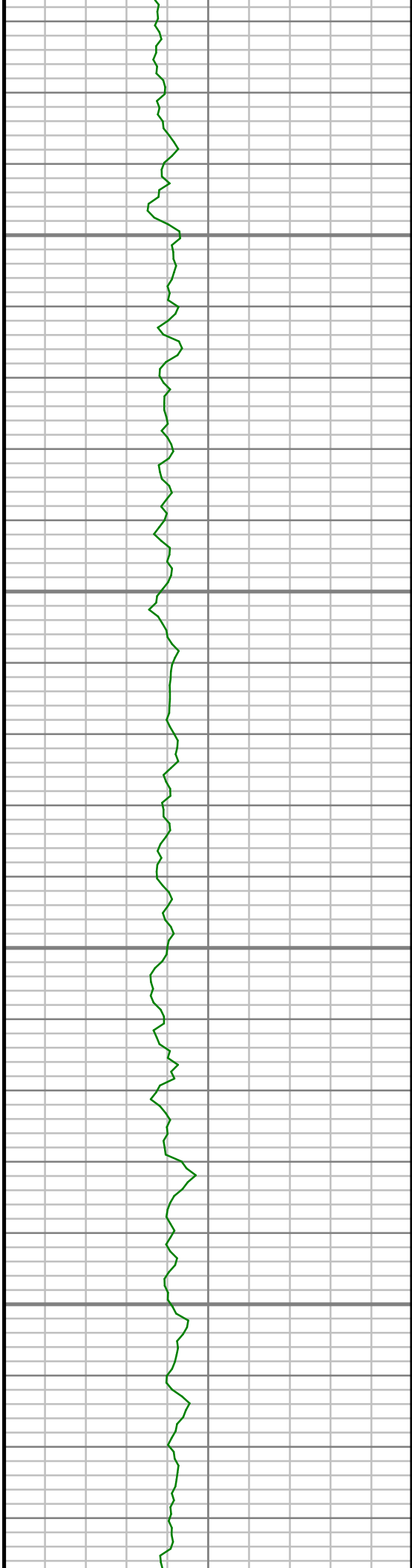
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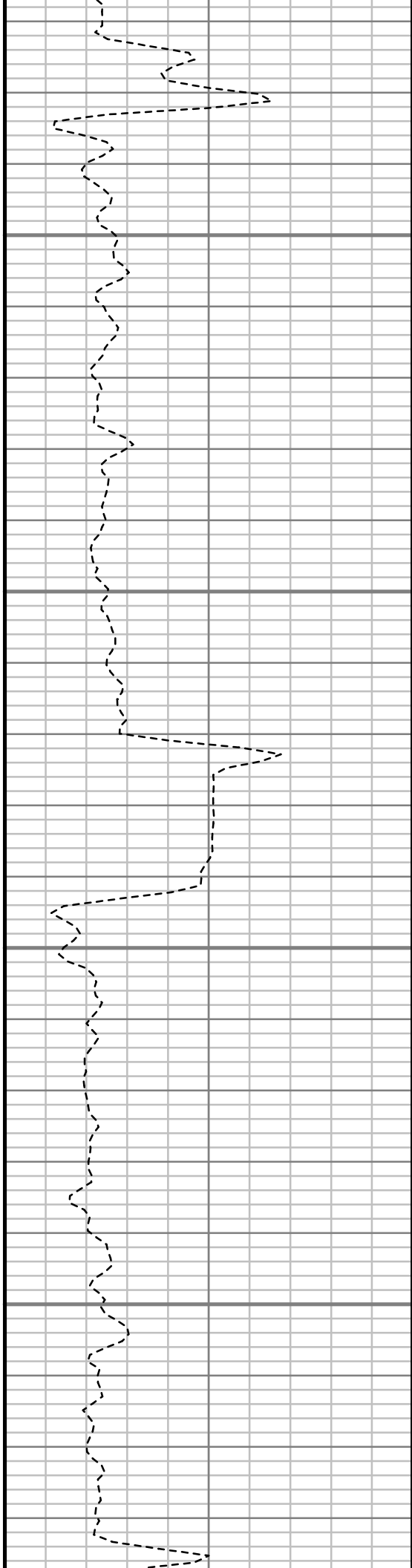


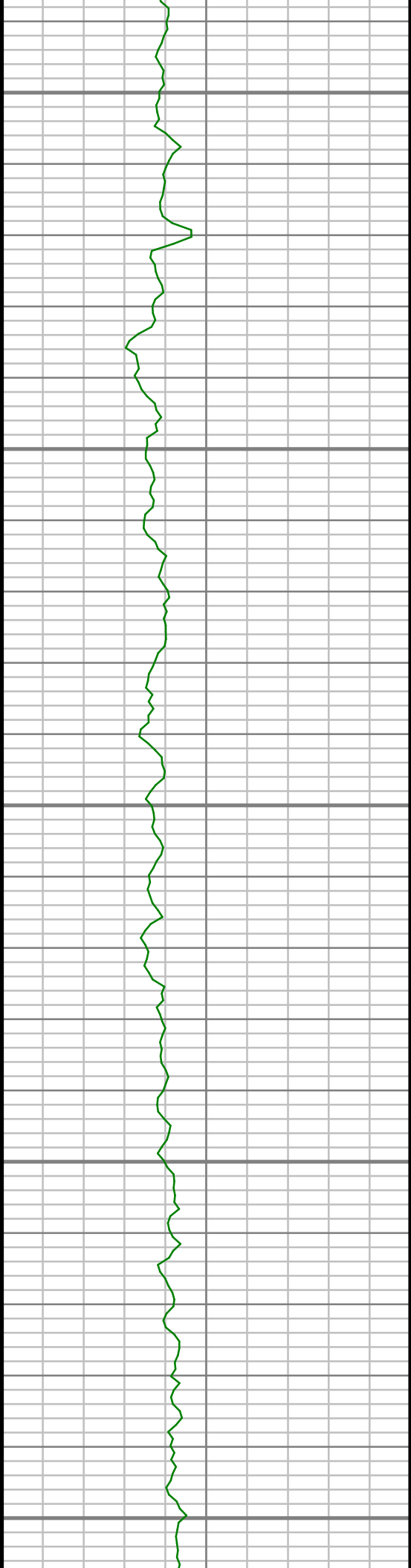
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5100





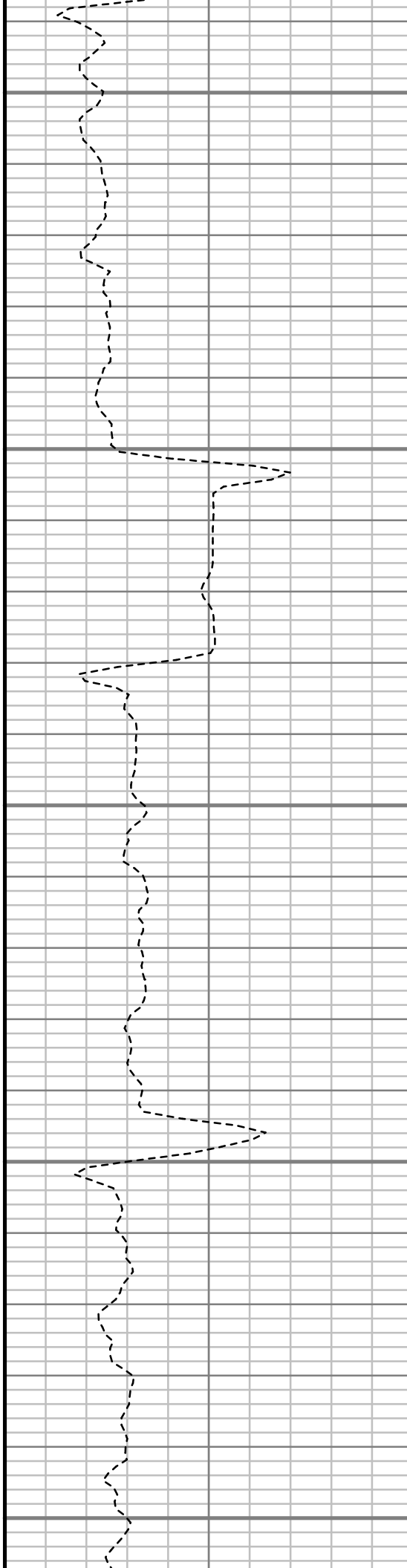
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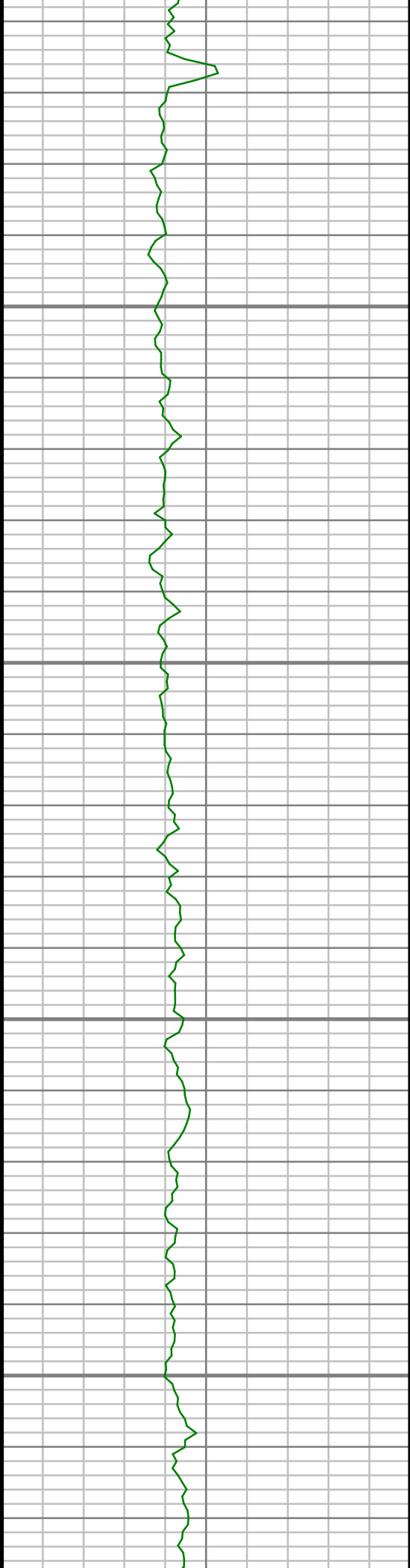
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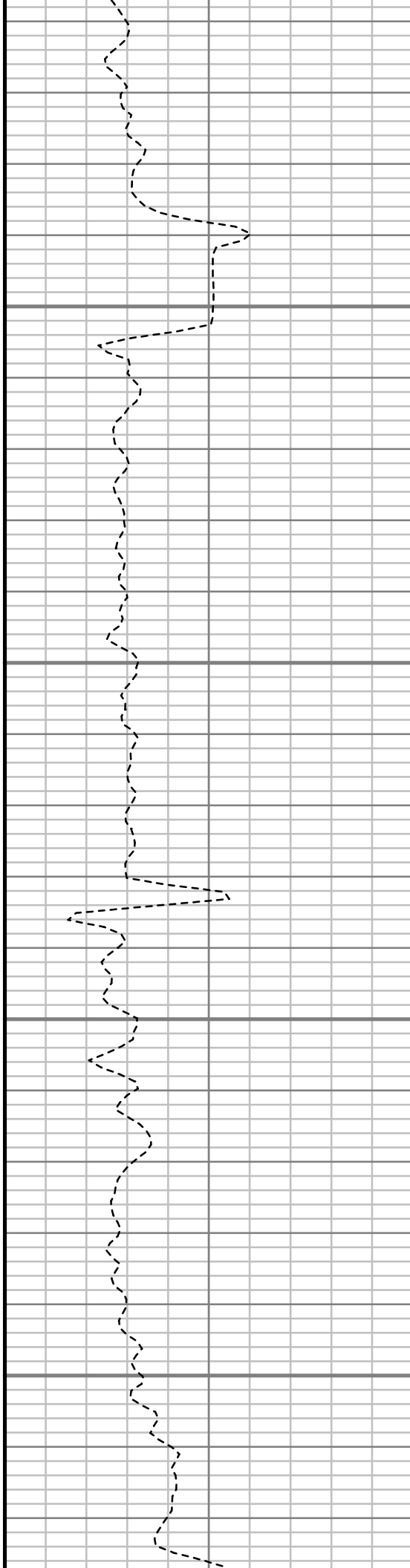


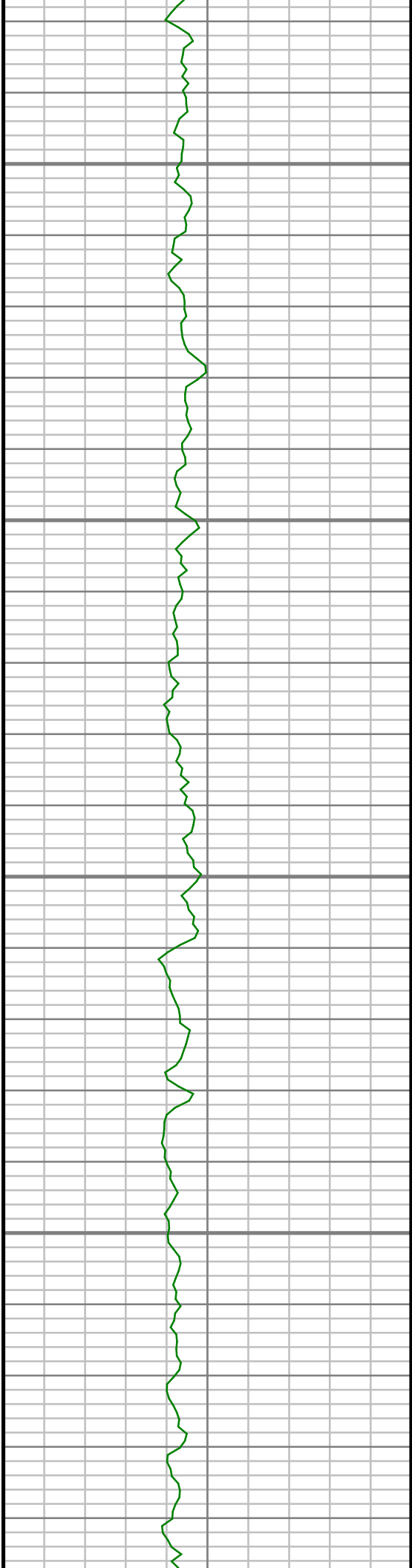
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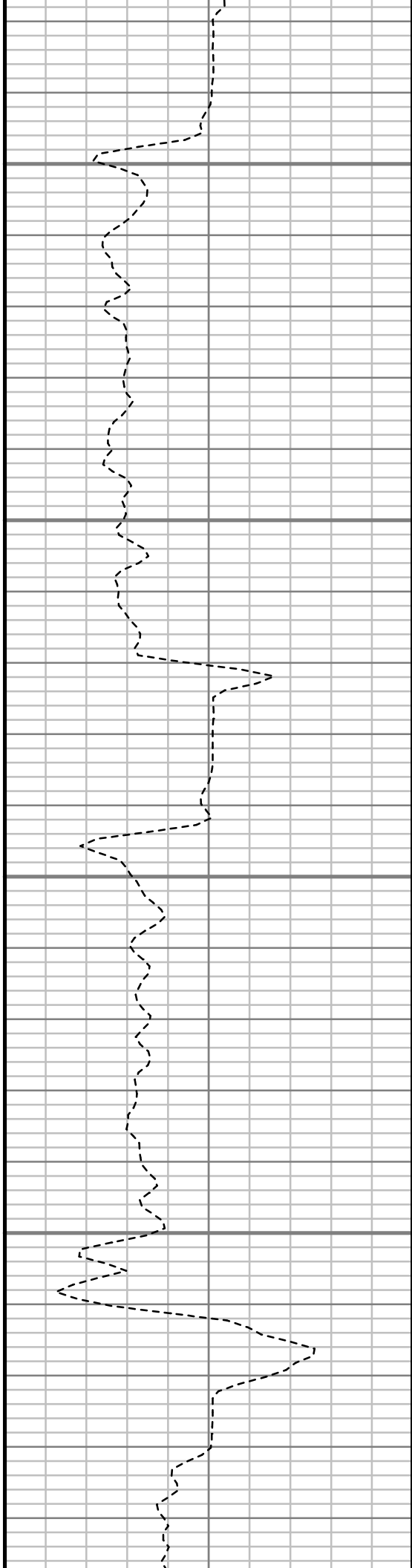


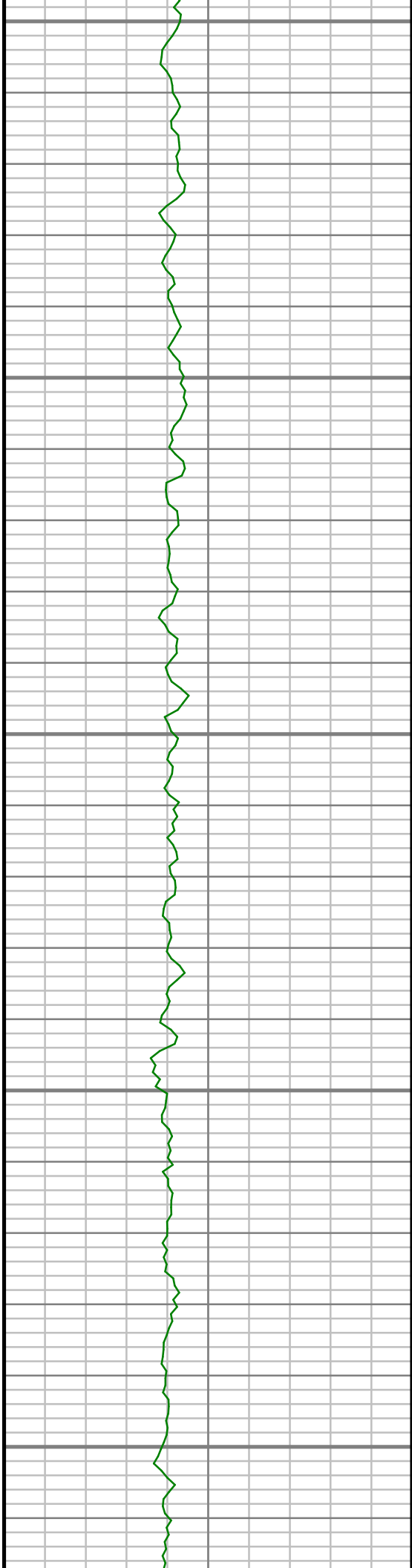
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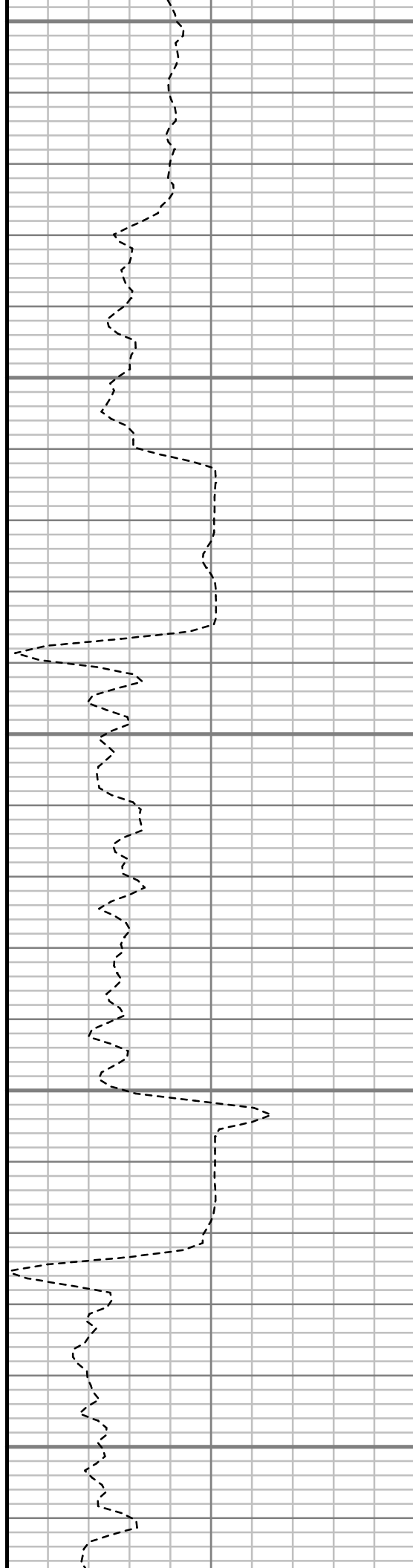
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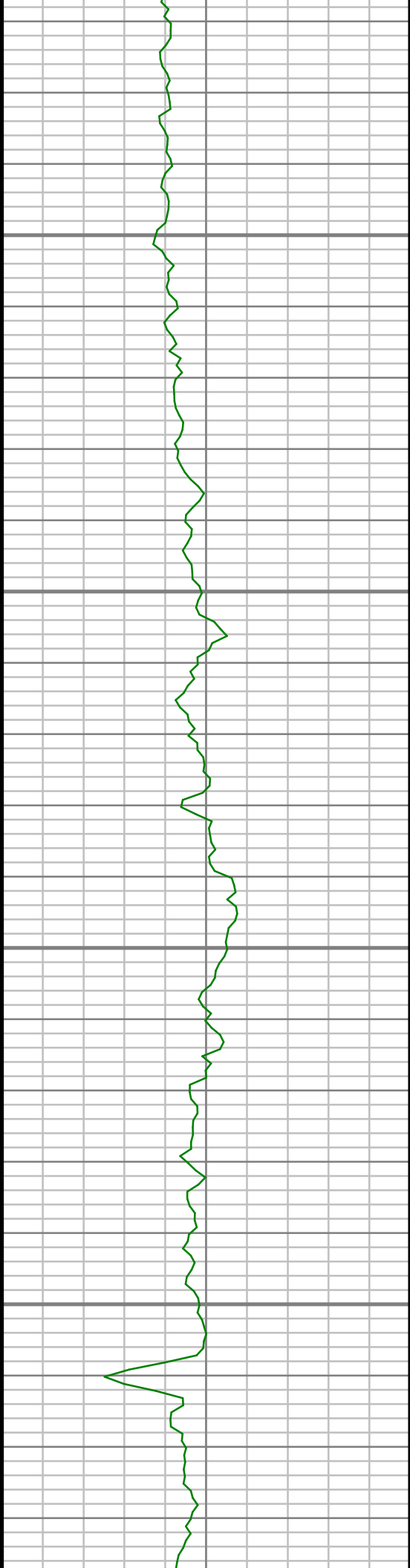
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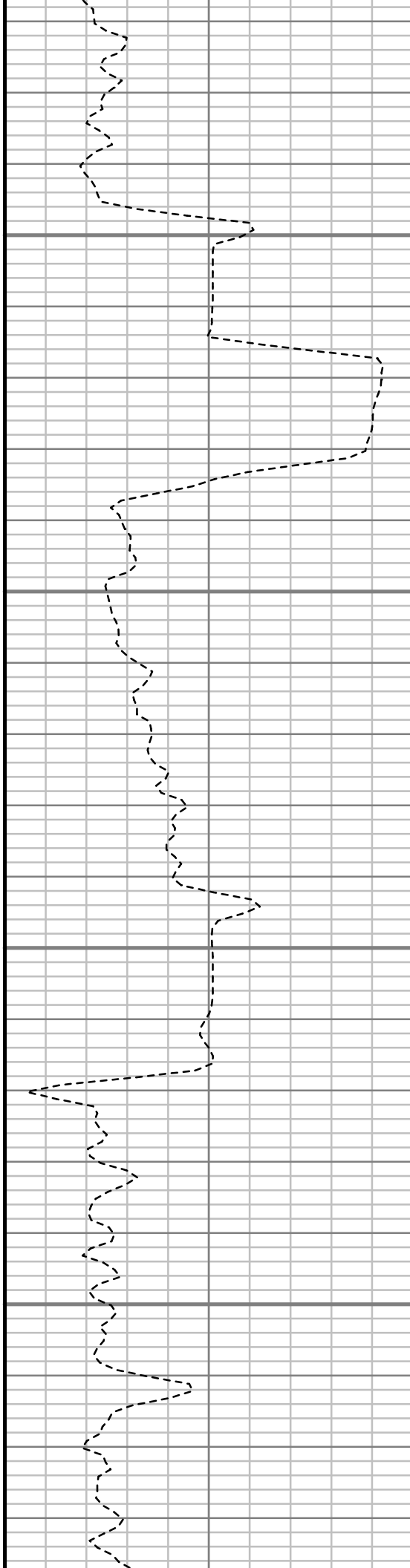


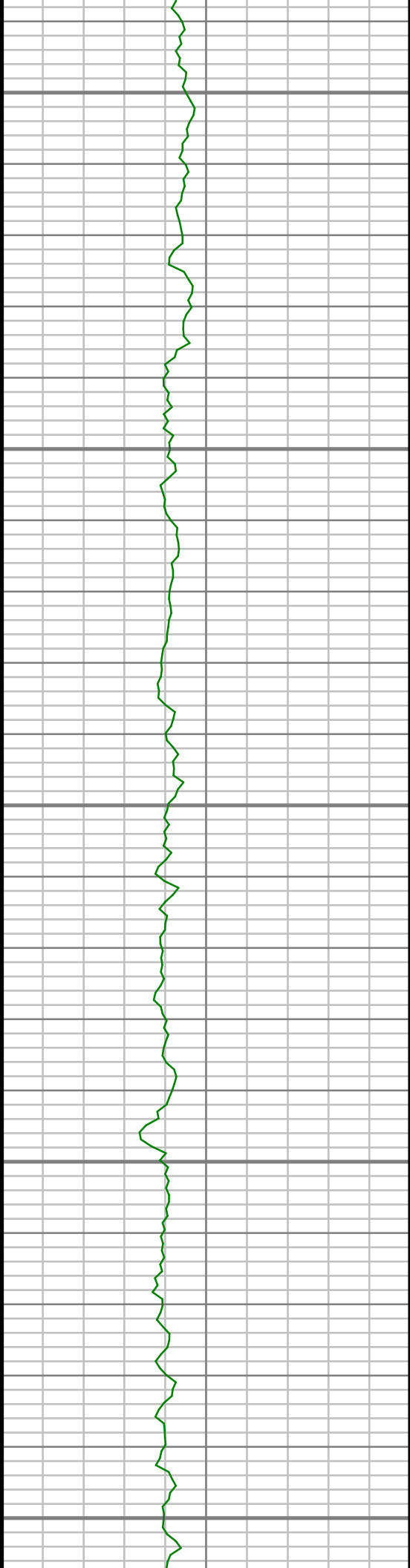
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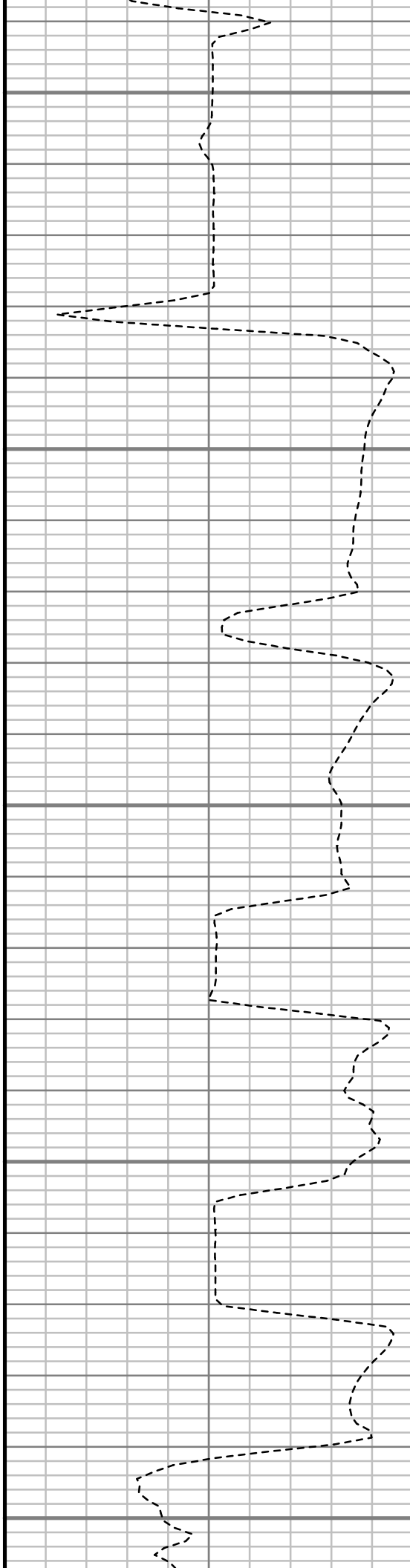
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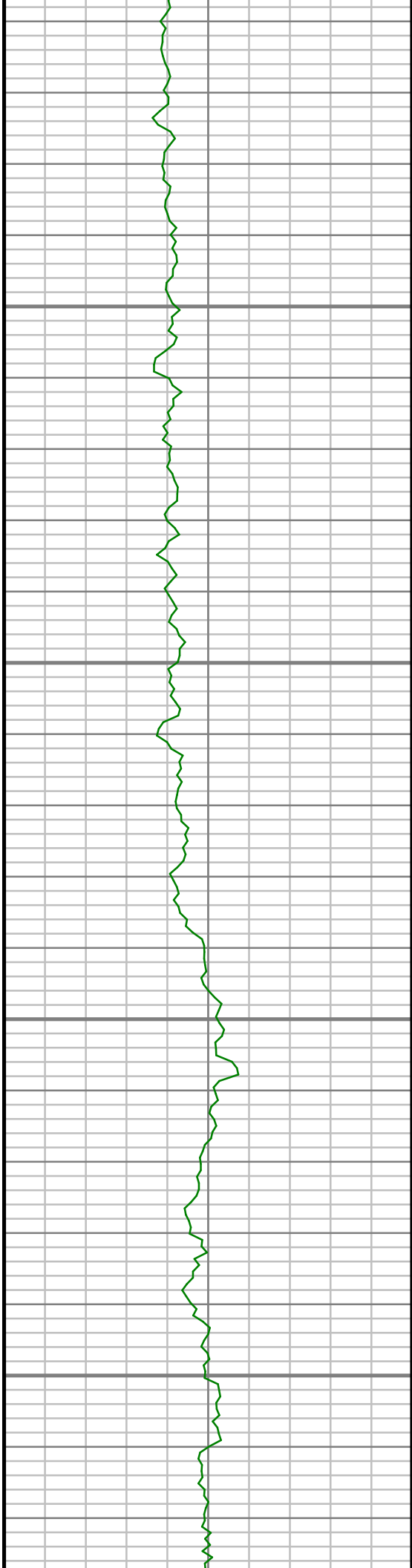
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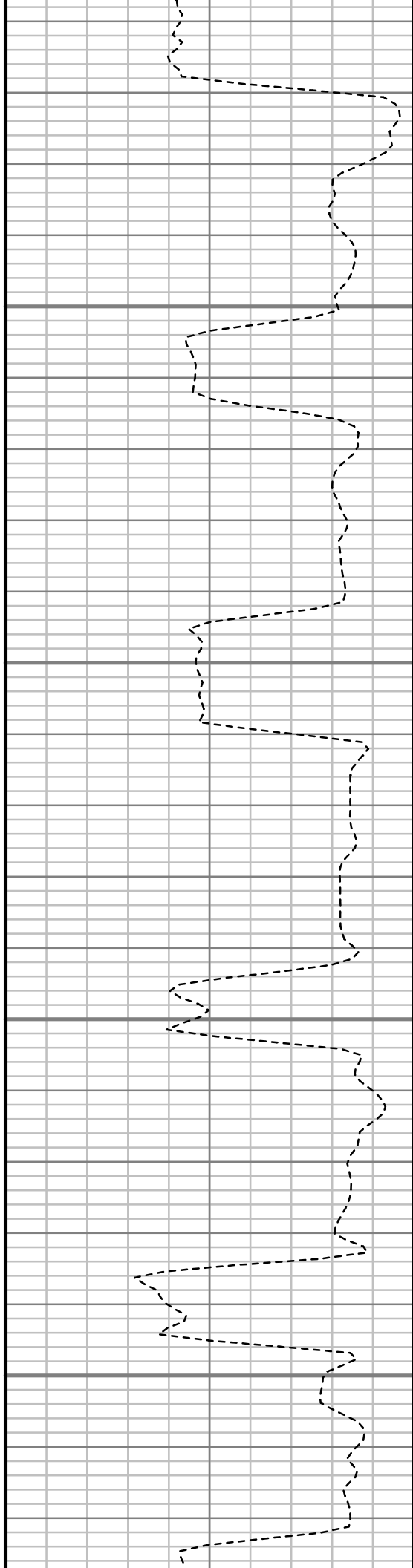


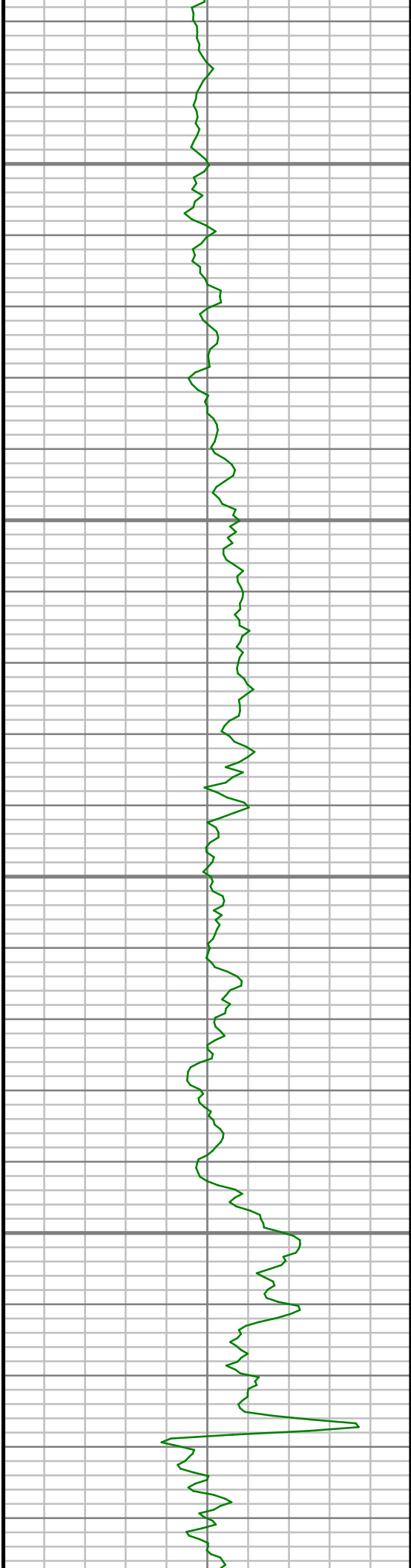
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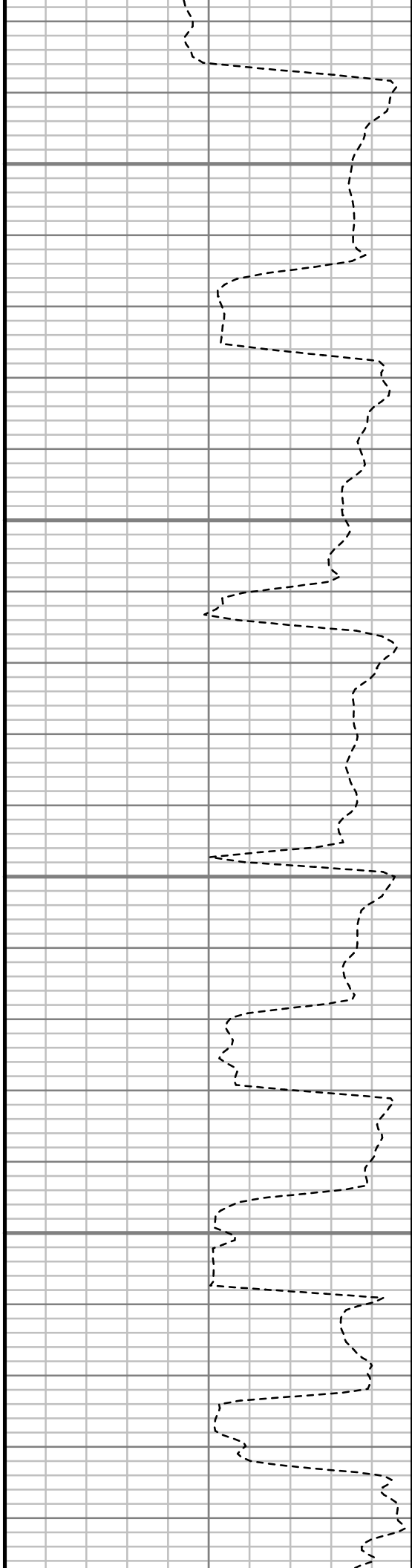


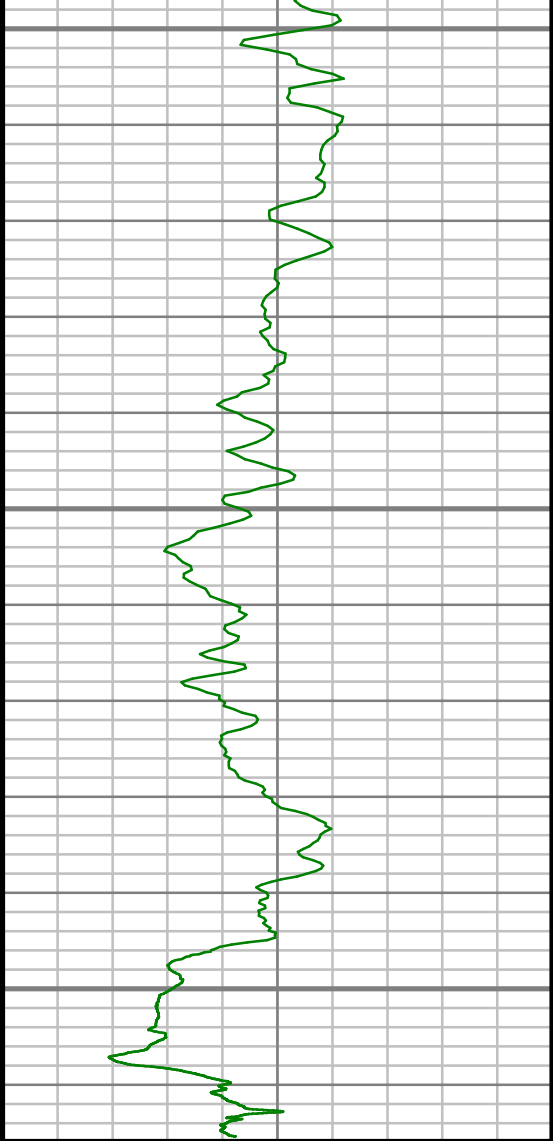
6700

6750

6800

6850





Gamma Ray (GR)

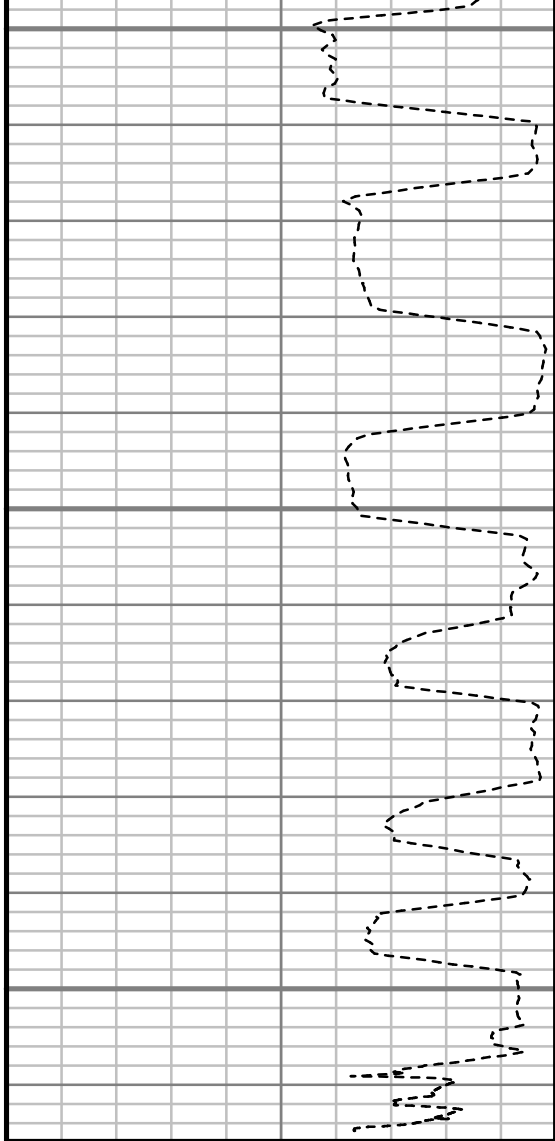
0 Unit = aapi 150

6900

6950

7000

TRUE VERTICAL DEPTH
1240 (ft)



ROP (ROP)

500 Unit = ft/hr 0

Comments

MWD Survey Report

| | |
|----------------------|--|
| Well Location | NEWNAM |
| Well Name | NEWNAM 2A-32H-C264 |
| Survey Date | 10/23/2014 |
| Latitude | 40°6'5.285"N |
| Longitude | 104°34'43.352"W |
| Btotal | 52533 nT |
| Dip | 66.72 deg |
| Magnetic Declination | 8.39 deg |
| North Reference | True North |
| Grid Correction | None |
| Depth Reference | RKB (13.00 ft) |
| Calculation Method | Minimum Curvature |
| Section (VS) Ref | 0.00N (ft), 0.00E (ft), 199.13Azim (deg) |
| Operator(s) | M. SMITH, T. WHEELER |

Well Notes

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | Closure Distance | Closure Direction | DLS |
|---------|-------|--------|---------|--------|-------|---------|------------------|-------------------|---------|
| ft | deg | deg | ft | ft | ft | ft | ft | deg | "/100ft |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Invalid |
| 145.00 | 0.84 | 269.92 | 144.99 | 0.35 | 0.00 | -1.06 | 1.06 | 269.92 | 0.58 |
| 238.00 | 2.75 | 257.26 | 237.95 | 1.75 | -0.49 | -3.92 | 3.95 | 262.81 | 2.09 |
| 331.00 | 2.94 | 255.30 | 330.83 | 4.26 | -1.59 | -8.40 | 8.55 | 259.28 | 0.23 |
| 424.00 | 4.27 | 266.20 | 423.65 | 6.93 | -2.43 | -14.17 | 14.37 | 260.28 | 1.60 |
| 517.00 | 6.15 | 275.14 | 516.26 | 9.49 | -2.21 | -22.58 | 22.69 | 264.41 | 2.20 |
| 609.00 | 7.44 | 277.33 | 607.61 | 11.90 | -1.01 | -33.40 | 33.41 | 268.27 | 1.43 |
| 702.00 | 8.90 | 281.90 | 699.67 | 14.03 | 1.24 | -46.41 | 46.43 | 271.54 | 1.72 |
| 795.00 | 11.68 | 279.64 | 791.16 | 16.49 | 4.30 | -62.74 | 62.88 | 273.92 | 3.02 |
| 888.00 | 14.50 | 276.33 | 881.74 | 20.62 | 7.16 | -83.59 | 83.90 | 274.90 | 3.14 |
| 976.00 | 15.32 | 278.57 | 966.77 | 25.20 | 10.11 | -106.04 | 106.52 | 275.45 | 1.14 |
| 1178.00 | 17.72 | 279.38 | 1160.42 | 35.29 | 19.10 | -162.76 | 163.88 | 276.69 | 1.19 |
| 1366.00 | 18.84 | 278.08 | 1338.93 | 45.96 | 28.03 | -221.05 | 222.82 | 277.23 | 0.63 |
| 1551.00 | 19.71 | 283.32 | 1513.57 | 54.84 | 39.42 | -280.98 | 283.74 | 277.99 | 1.05 |
| 1742.00 | 19.83 | 282.05 | 1693.32 | 62.10 | 53.60 | -344.01 | 348.16 | 278.86 | 0.23 |
| 1933.00 | 20.04 | 278.49 | 1872.88 | 72.13 | 65.20 | -408.06 | 413.24 | 279.08 | 0.64 |
| 2123.00 | 18.64 | 278.40 | 2052.15 | 83.80 | 74.44 | -470.30 | 476.15 | 278.99 | 0.74 |
| 2314.00 | 17.59 | 277.43 | 2233.68 | 95.33 | 82.63 | -529.12 | 535.53 | 278.88 | 0.57 |
| 2505.00 | 17.30 | 280.48 | 2415.90 | 105.46 | 91.53 | -585.66 | 592.77 | 278.88 | 0.50 |

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | Closure Distance ft | Closure Direction deg | DLS °/100ft |
|----------|------------|-------------|-----------|----------|-------------|-------------|---------------------------|-----------------------------|----------------|
| 2695.00 | 17.29 | 278.57 | 2597.31 | 114.88 | 100.87 | -641.36 | 649.24 | 278.94 | 0.30 |
| 2886.00 | 16.92 | 281.24 | 2779.87 | 123.90 | 110.52 | -696.69 | 705.40 | 279.01 | 0.45 |
| 3076.00 | 17.27 | 282.15 | 2961.47 | 131.12 | 121.85 | -751.38 | 761.19 | 279.21 | 0.23 |
| 3267.00 | 20.40 | 281.92 | 3142.22 | 138.74 | 134.69 | -811.68 | 822.78 | 279.42 | 1.64 |
| 3457.00 | 18.60 | 280.33 | 3321.32 | 147.54 | 146.97 | -873.90 | 886.17 | 279.55 | 0.99 |
| 3647.00 | 18.63 | 281.66 | 3501.38 | 156.12 | 158.53 | -933.43 | 946.80 | 279.64 | 0.22 |
| 3837.00 | 16.21 | 277.05 | 3682.66 | 165.61 | 167.92 | -989.48 | 1003.63 | 279.63 | 1.47 |
| 4028.00 | 16.43 | 282.42 | 3865.97 | 174.35 | 177.01 | -1042.32 | 1057.24 | 279.64 | 0.80 |
| 4219.00 | 18.72 | 283.86 | 4048.05 | 180.32 | 190.16 | -1098.47 | 1114.81 | 279.82 | 1.22 |
| 4409.00 | 18.93 | 284.62 | 4227.88 | 185.55 | 205.24 | -1157.89 | 1175.94 | 280.05 | 0.17 |
| 4600.00 | 18.18 | 282.84 | 4408.96 | 191.25 | 219.68 | -1216.92 | 1236.59 | 280.23 | 0.49 |
| 4790.00 | 17.60 | 281.06 | 4589.77 | 198.53 | 231.78 | -1274.01 | 1294.93 | 280.31 | 0.42 |
| 4981.00 | 17.36 | 280.75 | 4771.95 | 206.73 | 242.64 | -1330.35 | 1352.29 | 280.34 | 0.13 |
| 5171.00 | 15.35 | 280.33 | 4954.25 | 214.71 | 252.43 | -1382.94 | 1405.79 | 280.34 | 1.06 |
| 5361.00 | 13.78 | 279.39 | 5138.14 | 222.39 | 260.64 | -1430.01 | 1453.57 | 280.33 | 0.84 |
| 5551.00 | 12.37 | 275.76 | 5323.21 | 230.92 | 266.37 | -1472.59 | 1496.48 | 280.25 | 0.86 |
| 5741.00 | 9.70 | 270.66 | 5509.69 | 240.70 | 268.60 | -1508.85 | 1532.57 | 280.09 | 1.49 |
| 5931.00 | 7.00 | 268.97 | 5697.66 | 249.77 | 268.57 | -1536.43 | 1559.73 | 279.92 | 1.43 |

| MD ft | Inc deg | Azim deg | TVD ft | VS ft | +N/-S ft | +E/-W ft | Closure Distance ft | Closure Direction deg | DLS °/100ft |
|----------|------------|-------------|-----------|----------|-------------|-------------|---------------------------|-----------------------------|----------------|
| 6122.00 | 4.99 | 262.74 | 5887.60 | 257.47 | 267.32 | -1556.31 | 1579.10 | 279.75 | 1.10 |
| 6312.00 | 2.12 | 255.69 | 6077.22 | 263.08 | 265.40 | -1567.92 | 1590.22 | 279.61 | 1.53 |
| 6454.00 | 1.84 | 254.25 | 6219.13 | 265.83 | 264.13 | -1572.66 | 1594.68 | 279.53 | 0.20 |
| 6502.00 | 1.79 | 258.12 | 6267.11 | 266.66 | 263.77 | -1574.13 | 1596.08 | 279.51 | 0.28 |
| 6549.00 | 5.66 | 186.94 | 6314.02 | 269.30 | 261.32 | -1575.13 | 1596.66 | 279.42 | 11.40 |
| 6597.00 | 10.36 | 179.44 | 6361.54 | 275.69 | 254.65 | -1575.38 | 1595.82 | 279.18 | 10.01 |
| 6644.00 | 13.12 | 181.59 | 6407.55 | 284.75 | 245.09 | -1575.48 | 1594.43 | 278.84 | 5.94 |
| 6692.00 | 14.52 | 177.65 | 6454.16 | 295.55 | 233.63 | -1575.39 | 1592.62 | 278.44 | 3.51 |
| 6739.00 | 15.93 | 177.61 | 6499.51 | 307.03 | 221.30 | -1574.88 | 1590.35 | 278.00 | 3.00 |
| 6787.00 | 19.83 | 178.01 | 6545.18 | 320.76 | 206.57 | -1574.32 | 1587.81 | 277.48 | 8.13 |
| 6834.00 | 24.34 | 177.23 | 6588.72 | 337.19 | 188.92 | -1573.57 | 1584.87 | 276.85 | 9.62 |
| 6882.00 | 27.86 | 178.43 | 6631.82 | 356.87 | 167.82 | -1572.79 | 1581.72 | 276.09 | 7.42 |
| 6929.00 | 30.37 | 176.81 | 6672.88 | 378.13 | 144.98 | -1571.83 | 1578.50 | 275.27 | 5.60 |
| 6977.00 | 33.60 | 174.86 | 6713.59 | 401.47 | 119.63 | -1569.96 | 1574.51 | 274.36 | 7.06 |
| 7024.00 | 38.37 | 175.17 | 6751.61 | 426.67 | 92.13 | -1567.57 | 1570.27 | 273.36 | 10.16 |
| 7073.00 | 45.06 | 177.10 | 6788.17 | 456.68 | 59.61 | -1565.40 | 1566.54 | 272.18 | 13.90 |
| 7120.00 | 50.45 | 180.51 | 6819.76 | 489.30 | 24.85 | -1564.72 | 1564.92 | 270.91 | 12.66 |
| 7168.00 | 53.87 | 181.32 | 6849.20 | 525.31 | -13.05 | -1565.34 | 1565.39 | 269.52 | 7.25 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | Closure Distance | Closure Direction | DLS |
|---------|-------|--------|---------|---------|----------|----------|------------------|-------------------|---------|
| ft | deg | deg | ft | ft | ft | ft | ft | deg | °/100ft |
| 7215.00 | 57.74 | 181.94 | 6875.61 | 562.38 | -51.90 | -1566.45 | 1567.31 | 268.10 | 8.31 |
| 7263.00 | 59.47 | 182.92 | 6900.62 | 601.62 | -92.83 | -1568.19 | 1570.93 | 266.61 | 4.00 |
| 7310.00 | 61.86 | 183.16 | 6923.64 | 640.98 | -133.74 | -1570.36 | 1576.04 | 265.13 | 5.10 |
| 7359.00 | 64.74 | 182.57 | 6945.65 | 683.00 | -177.46 | -1572.54 | 1582.53 | 263.56 | 5.98 |
| 7406.00 | 68.30 | 182.52 | 6964.38 | 724.31 | -220.52 | -1574.46 | 1589.83 | 262.03 | 7.58 |
| 7454.00 | 71.63 | 182.10 | 6980.82 | 767.47 | -265.57 | -1576.27 | 1598.49 | 260.44 | 6.99 |
| 7501.00 | 75.42 | 181.51 | 6994.15 | 810.49 | -310.61 | -1577.69 | 1607.98 | 258.86 | 8.15 |
| 7549.00 | 82.50 | 180.62 | 7003.33 | 855.25 | -357.68 | -1578.56 | 1618.58 | 257.23 | 14.86 |
| 7628.00 | 87.25 | 179.75 | 7010.39 | 929.65 | -436.34 | -1578.81 | 1638.00 | 254.55 | 6.11 |
| 7721.00 | 88.82 | 180.76 | 7013.57 | 1017.59 | -529.28 | -1579.23 | 1665.56 | 251.47 | 2.01 |
| 7814.00 | 90.07 | 180.62 | 7014.47 | 1105.81 | -622.27 | -1580.34 | 1698.44 | 248.51 | 1.34 |
| 7909.00 | 89.93 | 180.49 | 7014.47 | 1195.86 | -717.27 | -1581.26 | 1736.33 | 245.60 | 0.20 |
| 8004.00 | 90.00 | 180.51 | 7014.53 | 1285.88 | -812.26 | -1582.09 | 1778.42 | 242.82 | 0.07 |
| 8099.00 | 89.56 | 180.60 | 7014.89 | 1375.93 | -907.26 | -1583.00 | 1824.56 | 240.18 | 0.47 |
| 8194.00 | 89.90 | 180.36 | 7015.34 | 1465.93 | -1002.25 | -1583.79 | 1874.28 | 237.67 | 0.43 |
| 8289.00 | 90.60 | 179.86 | 7014.92 | 1555.75 | -1097.25 | -1583.97 | 1926.89 | 235.29 | 0.91 |
| 8384.00 | 92.62 | 180.19 | 7012.25 | 1645.47 | -1192.21 | -1584.01 | 1982.53 | 233.03 | 2.15 |
| 8479.00 | 93.53 | 182.51 | 7007.15 | 1735.79 | -1287.04 | -1586.23 | 2042.70 | 230.94 | 2.62 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | Closure Distance | Closure Direction | DLS |
|----------|-------|--------|---------|---------|----------|----------|------------------|-------------------|---------|
| ft | deg | deg | ft | ft | ft | ft | ft | deg | °/100ft |
| 8574.00 | 91.38 | 184.03 | 7003.08 | 1827.09 | -1381.79 | -1591.65 | 2107.77 | 229.04 | 2.78 |
| 8670.00 | 88.76 | 184.26 | 7002.97 | 1919.82 | -1477.53 | -1598.60 | 2176.83 | 227.25 | 2.74 |
| 8765.00 | 88.79 | 181.92 | 7005.01 | 2011.09 | -1572.36 | -1603.72 | 2245.94 | 225.57 | 2.47 |
| 8860.00 | 89.80 | 181.14 | 7006.18 | 2101.63 | -1667.32 | -1606.25 | 2315.17 | 223.93 | 1.34 |
| 8955.00 | 89.06 | 179.58 | 7007.12 | 2191.57 | -1762.31 | -1606.85 | 2384.89 | 222.36 | 1.82 |
| 9051.00 | 88.66 | 180.04 | 7009.04 | 2282.15 | -1858.29 | -1606.53 | 2456.45 | 220.84 | 0.64 |
| 9146.00 | 90.61 | 178.61 | 7009.65 | 2371.52 | -1953.27 | -1605.41 | 2528.36 | 219.42 | 2.54 |
| 9241.00 | 91.28 | 178.45 | 7008.09 | 2460.43 | -2048.23 | -1602.98 | 2600.92 | 218.05 | 0.73 |
| 9337.00 | 91.41 | 177.68 | 7005.84 | 2549.99 | -2144.15 | -1599.73 | 2675.16 | 216.73 | 0.82 |
| 9432.00 | 90.23 | 179.89 | 7004.47 | 2639.05 | -2239.11 | -1597.72 | 2750.69 | 215.51 | 2.64 |
| 9527.00 | 89.40 | 180.59 | 7004.78 | 2728.93 | -2334.10 | -1598.11 | 2828.78 | 214.40 | 1.15 |
| 9622.00 | 88.96 | 180.72 | 7006.14 | 2819.02 | -2429.09 | -1599.20 | 2908.25 | 213.36 | 0.48 |
| 9718.00 | 89.33 | 180.96 | 7007.58 | 2910.16 | -2525.07 | -1600.60 | 2989.63 | 212.37 | 0.46 |
| 9813.00 | 88.02 | 179.39 | 7009.77 | 2999.98 | -2620.04 | -1600.89 | 3070.41 | 211.43 | 2.15 |
| 9908.00 | 88.99 | 178.65 | 7012.25 | 3089.16 | -2714.99 | -1599.26 | 3151.00 | 210.50 | 1.29 |
| 10003.00 | 89.70 | 178.02 | 7013.34 | 3177.96 | -2809.94 | -1596.50 | 3231.81 | 209.60 | 1.00 |
| 10098.00 | 89.16 | 178.74 | 7014.28 | 3266.80 | -2904.90 | -1593.82 | 3313.41 | 208.75 | 0.95 |
| 10194.00 | 90.27 | 177.44 | 7014.76 | 3356.39 | -3000.84 | -1590.63 | 3396.34 | 207.93 | 1.78 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | Closure Distance | Closure Direction | DLS |
|----------|-------|--------|---------|---------|----------|----------|------------------|-------------------|---------|
| ft | deg | deg | ft | ft | ft | ft | ft | deg | °/100ft |
| 10289.00 | 91.92 | 178.20 | 7012.95 | 3444.88 | -3095.75 | -1587.01 | 3478.83 | 207.14 | 1.91 |
| 10384.00 | 90.87 | 179.91 | 7010.63 | 3534.07 | -3190.70 | -1585.44 | 3562.89 | 206.42 | 2.11 |
| 10479.00 | 90.47 | 179.50 | 7009.52 | 3623.66 | -3285.69 | -1584.95 | 3647.99 | 205.75 | 0.60 |
| 10575.00 | 90.10 | 178.91 | 7009.04 | 3713.91 | -3381.68 | -1583.62 | 3734.12 | 205.09 | 0.72 |
| 10670.00 | 90.27 | 178.94 | 7008.74 | 3803.06 | -3476.67 | -1581.84 | 3819.61 | 204.46 | 0.18 |
| 10765.00 | 90.47 | 179.18 | 7008.12 | 3892.29 | -3571.65 | -1580.28 | 3905.63 | 203.87 | 0.33 |
| 10860.00 | 89.33 | 179.61 | 7008.29 | 3981.71 | -3666.64 | -1579.27 | 3992.29 | 203.30 | 1.28 |
| 10956.00 | 89.66 | 179.83 | 7009.13 | 4072.25 | -3762.64 | -1578.81 | 4080.45 | 202.76 | 0.42 |
| 11051.00 | 88.82 | 179.24 | 7010.39 | 4161.74 | -3857.63 | -1578.04 | 4167.91 | 202.25 | 1.08 |
| 11146.00 | 90.27 | 179.75 | 7011.14 | 4251.21 | -3952.62 | -1577.21 | 4255.67 | 201.75 | 1.61 |
| 11242.00 | 90.74 | 179.98 | 7010.30 | 4341.83 | -4048.61 | -1576.98 | 4344.90 | 201.28 | 0.55 |
| 11337.00 | 89.06 | 180.13 | 7010.46 | 4431.62 | -4143.61 | -1577.08 | 4433.58 | 200.84 | 1.77 |
| 11432.00 | 90.10 | 179.08 | 7011.16 | 4521.15 | -4238.60 | -1576.42 | 4522.26 | 200.40 | 1.56 |
| 11527.00 | 90.23 | 177.27 | 7010.88 | 4609.86 | -4333.55 | -1573.39 | 4610.34 | 199.95 | 1.91 |
| 11622.00 | 89.46 | 177.69 | 7011.13 | 4698.16 | -4428.46 | -1569.22 | 4698.26 | 199.51 | 0.92 |
| 11636.00 | 89.33 | 177.62 | 7011.28 | 4711.19 | -4442.44 | -1568.64 | 4711.26 | 199.45 | 1.06 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | Closure Distance | Closure Direction | DLS |
|----|-----|------|-----|----|-------|-------|---------------------|----------------------|---------|
| ft | deg | deg | ft | ft | ft | ft | ft | deg | °/100ft |
| | | | | | | | | | |

5" = 100' FEET TVD