



GAMMA RAY

5" = 100' FEET TVD

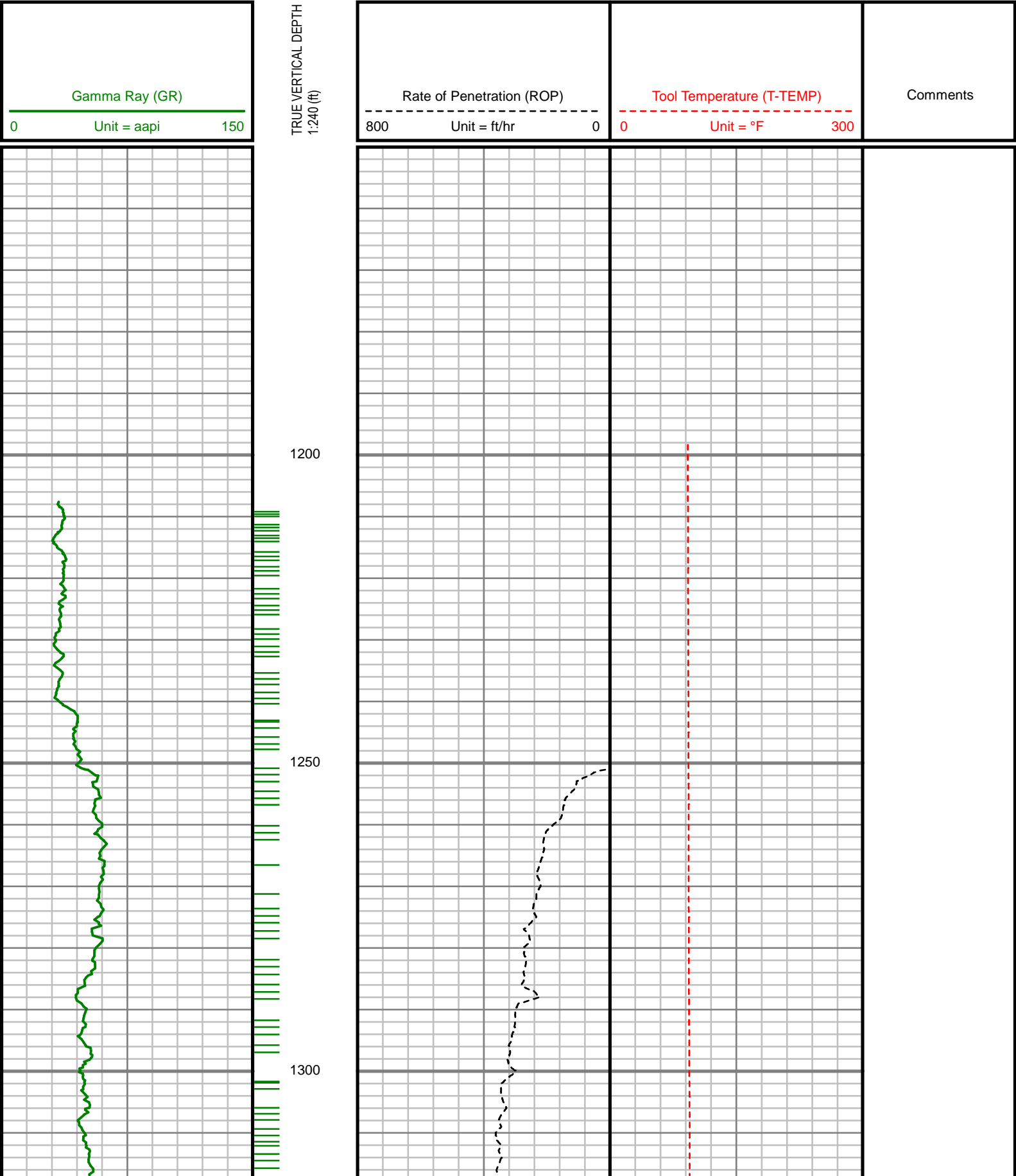
| | | | | | | | | | |
|---|---------|-------|----------------------------|-----------------|-----------------------|--|--|--|--|
| COMPANY : ANADARKO E&P ONSHORE LLC | | | | | | | | | |
| WELL : MULGA 29C-23HZ | | | | | | | | | |
| FIELD : WATTENBERG | | | | | | | | | |
| COUNTY : WELD | | | | | | | | | |
| STATE : COLORADO | | | | | | | | | |
| COUNTRY : U.S.A. | | | | | | | | | |
| UWI : 05-123-39253 | | | | | | | | | |
| OTHER SERVICES | | | | | | | | | |
| WELL LOCATION | | | | | | | | | |
| LAT:40°7'1.690"N LONG:104°51'34.934"W | | | | | | | | | |
| N:1286163.18 ft E:3179071.56 ft | | | | | | | | | |
| SEC:23 TWP:2N RANGE:67W | | | | | | | | | |
| DIRECTIONAL | | | | | | | | | |
| ROP | | | | | | | | | |
| DEPTH REF. : RKB | | | | | | | | | |
| REF. HEIGHT : 25.000 ft RKB to Ground Level | | | | | | | | | |
| GROUND LEVEL : 4947.000 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 | 0 | 1249 | 0-10 | 0 | 6995 | | | | |
| 8.75 | 1249 | 7907 | 10-90 | 6995 | 7907 | | | | |
| 6.125 | 7907 | 12593 | 90-92 | 7907 | 12593 | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| CASING RECORD | | | | | | | | | |
| CASING SIZE in | FROM ft | TO ft | | | | | | | |
| 9.625 | 0 | 1249 | | | | | | | |
| 7 | 0 | 7907 | | | | | | | |
| | | | DRILLING CO.: H&P | | | | | | |
| | | | RIG: 311 | | | | | | |
| | | | LMD UNIT NO. : | | | | | | |
| | | | SPUD DATE: 07/01/2014 | | | | | | |
| | | | DISTRICT: CASPER | | | | | | |
| | | | LMD START DATE: 07/05/2014 | DEPTH: 1346 ft | | | | | |
| | | | LMD END DATE: 07/13/2014 | DEPTH: 12593 ft | | | | | |
| | | | | | TOTAL DEPTH: 12593 ft | | | | |

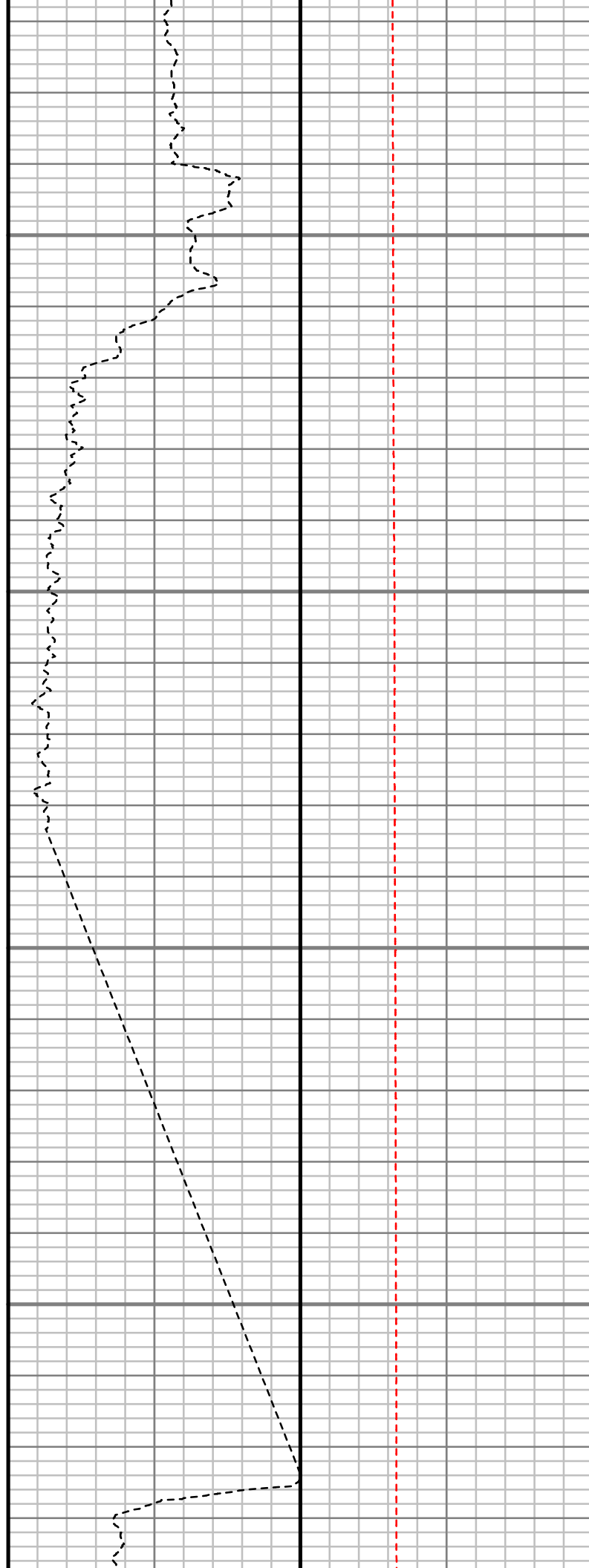
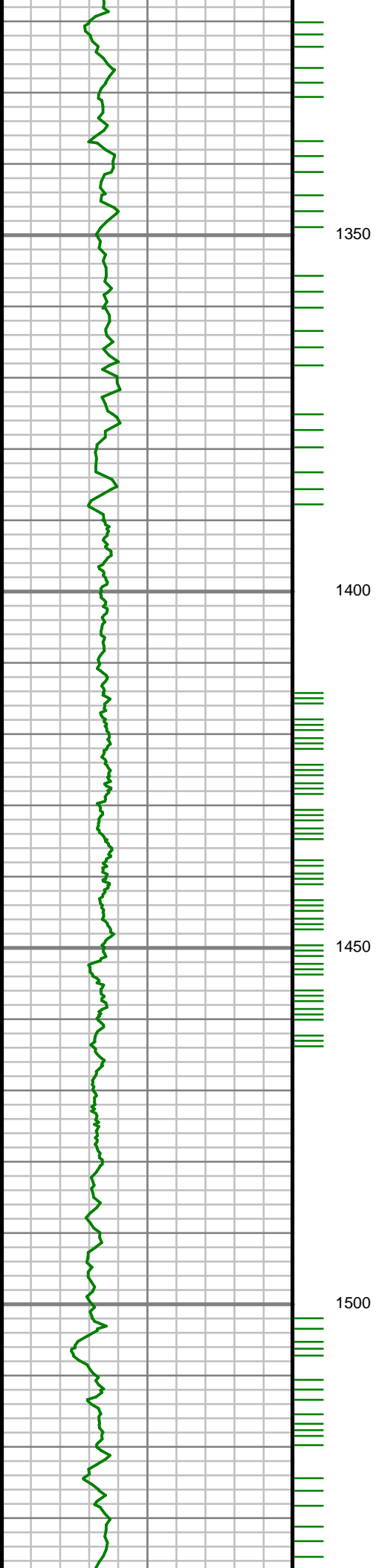
| Remarks |
|--|
| ANADARKO E&P ONSHORE LLC PRODUCTION AFE# 2094826 |
| SCIENTIFIC DRILLING INTERNATIONAL JOB# 171439 |
| |
| ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH. |
| ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE. |
| |
| |
| FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE |
| FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE |
| FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO TOOL TEMPERATURE CURVE |
| |
| RUN # 1: MWD / GAMMA RAY LOGGING RUN |
| SENSORS S/N: PULSER = 128-169 / CONT = 477 / MWD EYE =163 / GAMMA RAY =1101 |
| BIT TO SENSOR OFFSETS: SURVEY = 52.30 FT. / GAMMA RAY = 43.05 FT. |
| |
| RUN # 2: MWD / GAMMA RAY LOGGING RUN |
| SENSORS S/N: PULSER = 128-036 / CONT = 277 / MWD EYE =1001 / GAMMA RAY =1133 |
| BIT TO SENSOR OFFSETS: SURVEY = 52.30 FT. / GAMMA RAY = 43.05 FT. |
| |
| RUN # 3: MWD / GAMMA RAY LOGGING RUN |
| SENSORS S/N: PULSER = 78-139 / CONT = 590 / MWD EYE =826 / GAMMA RAY =1031 |
| BIT TO SENSOR OFFSETS: SURVEY = 59.08 FT. / GAMMA RAY = 49.83 FT. |
| |
| |
| REMARK #1 : ROP FROM 1433 FT. TO 1525 FT. NO DATA COLLECTED. |
| |

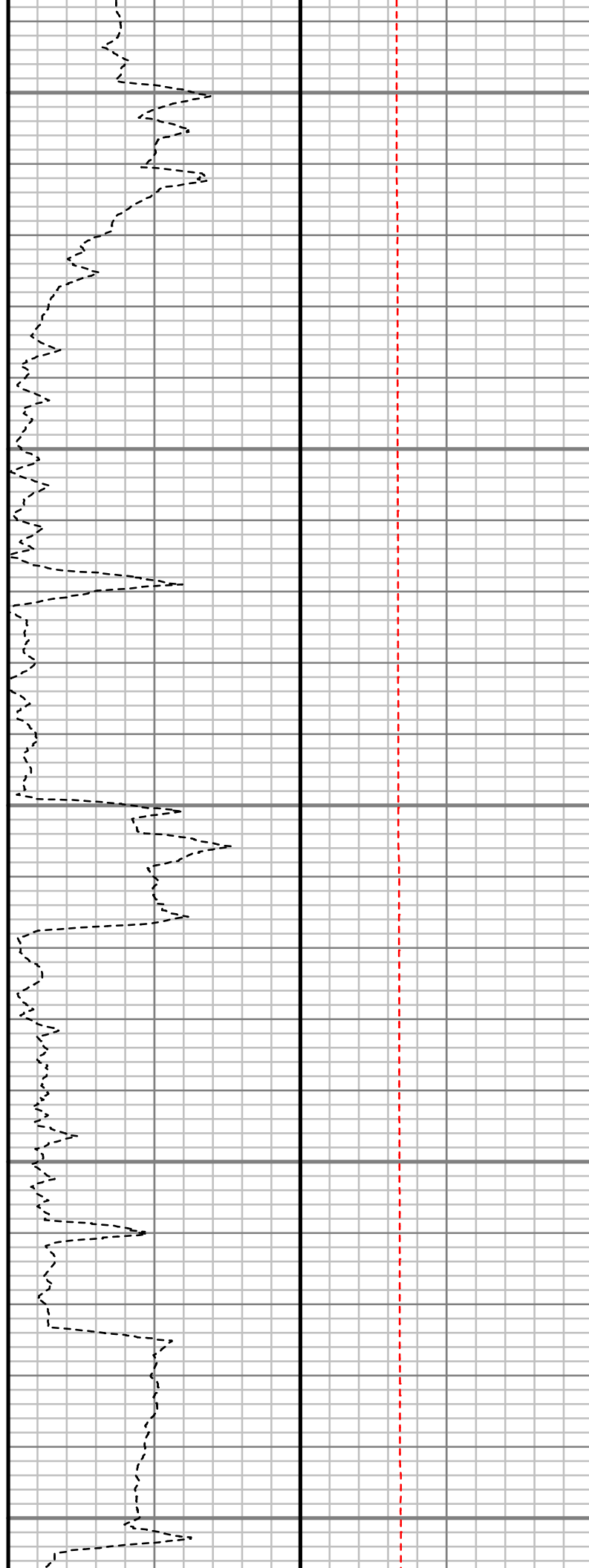
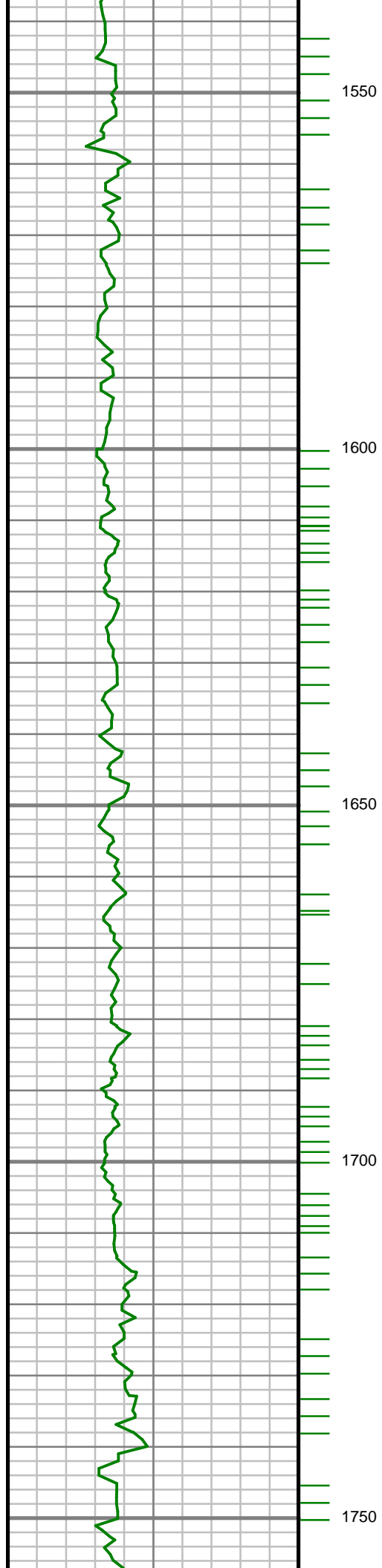
[illegible]

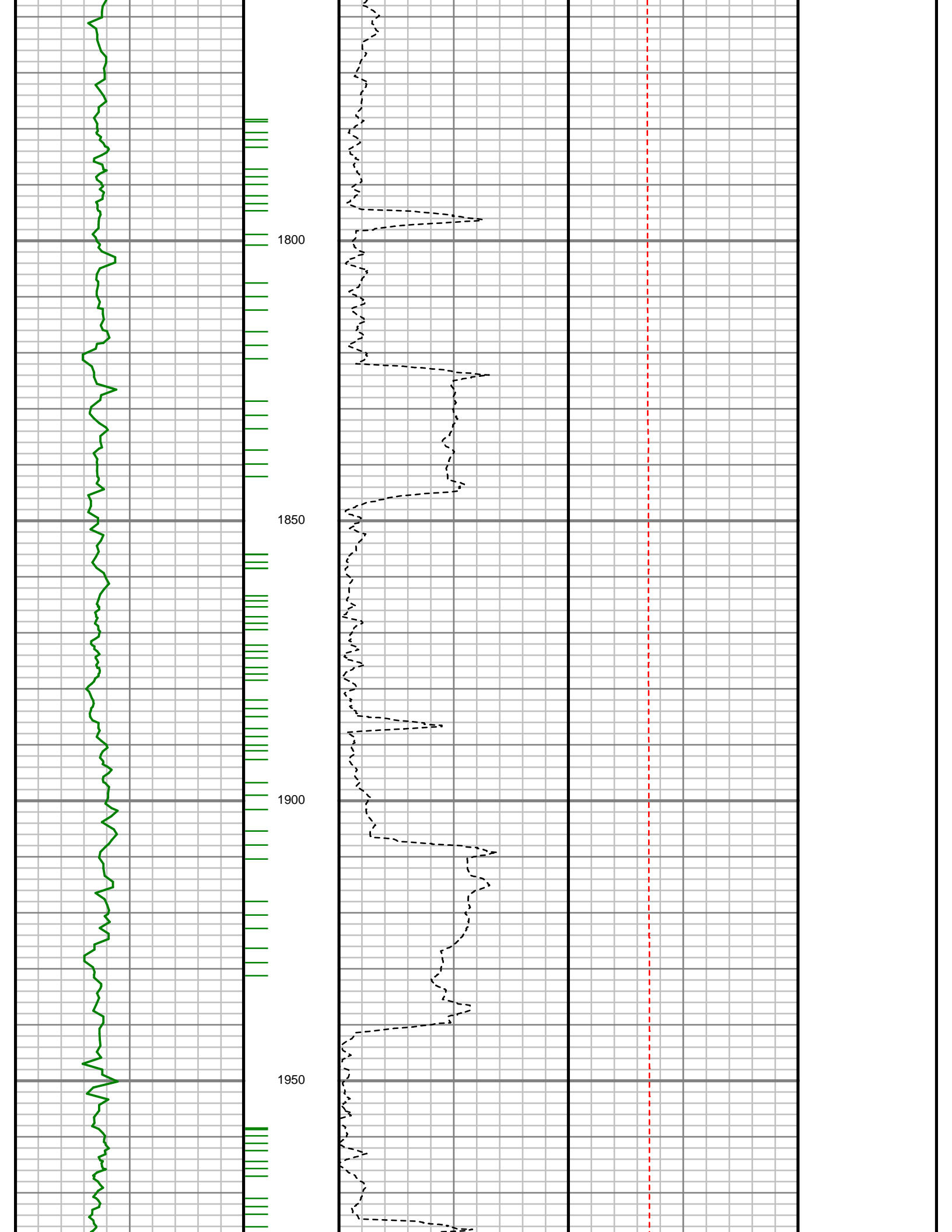
All interpretations are opinions based on electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or 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.

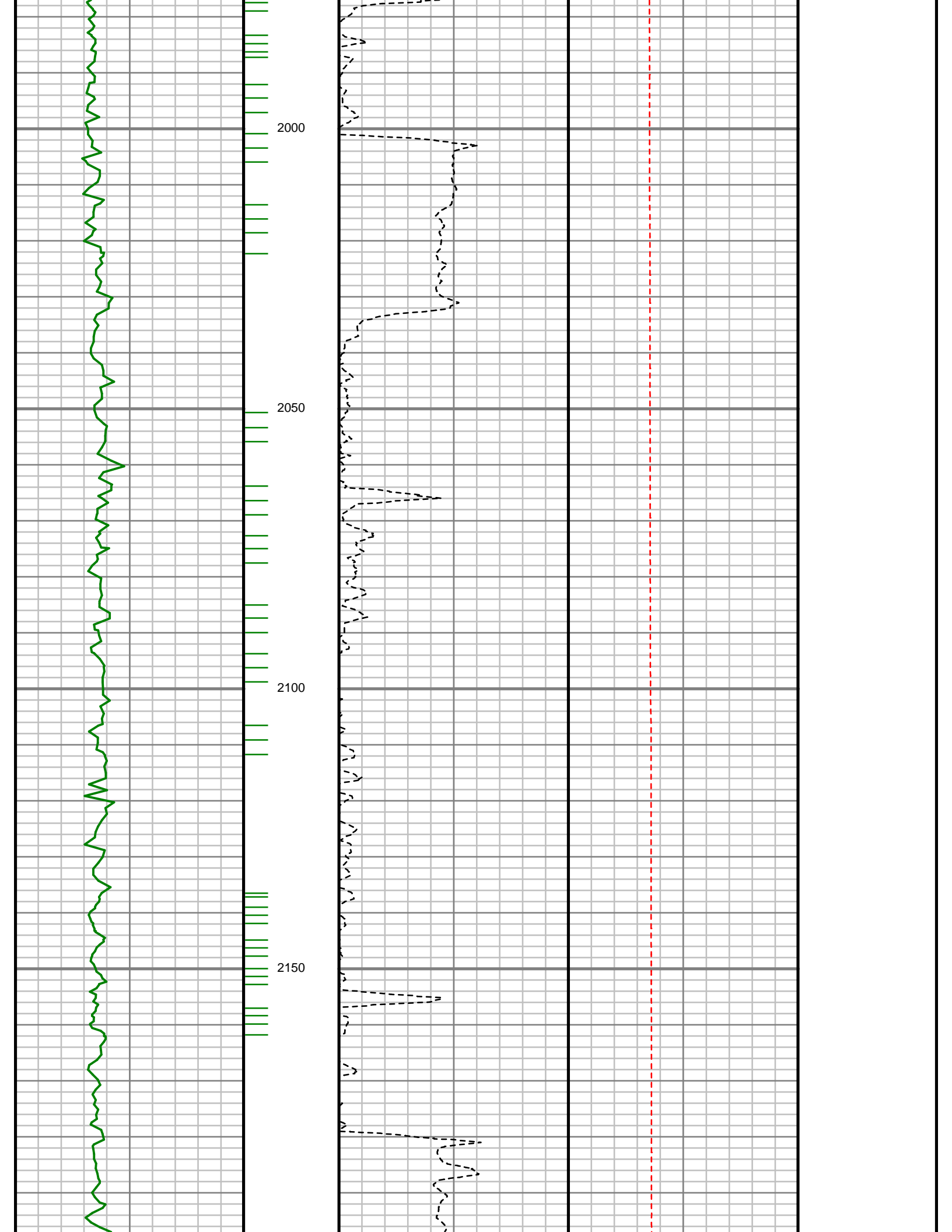
ANADARKO E&P ONSHORE LLC.
MULGA 29C-23HZ
WATTENBERG FIELD
WELD COUNTY, COLORADO
05-123-39253

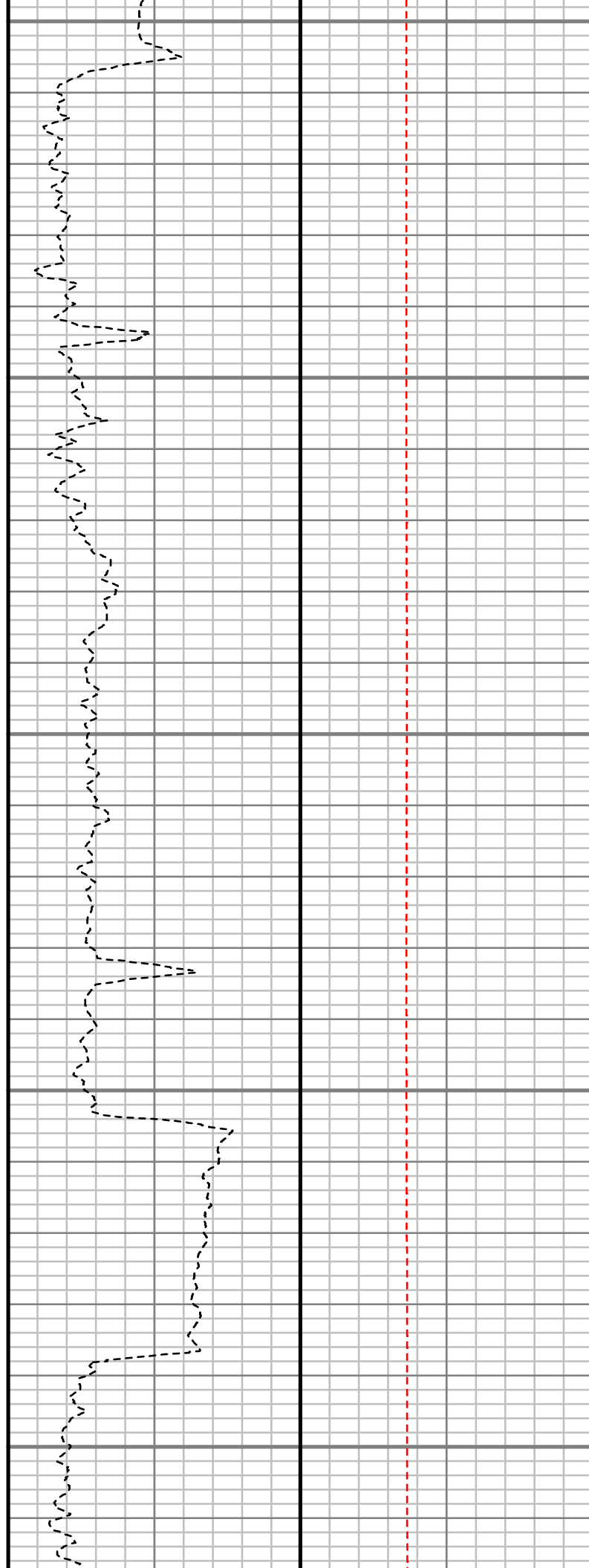
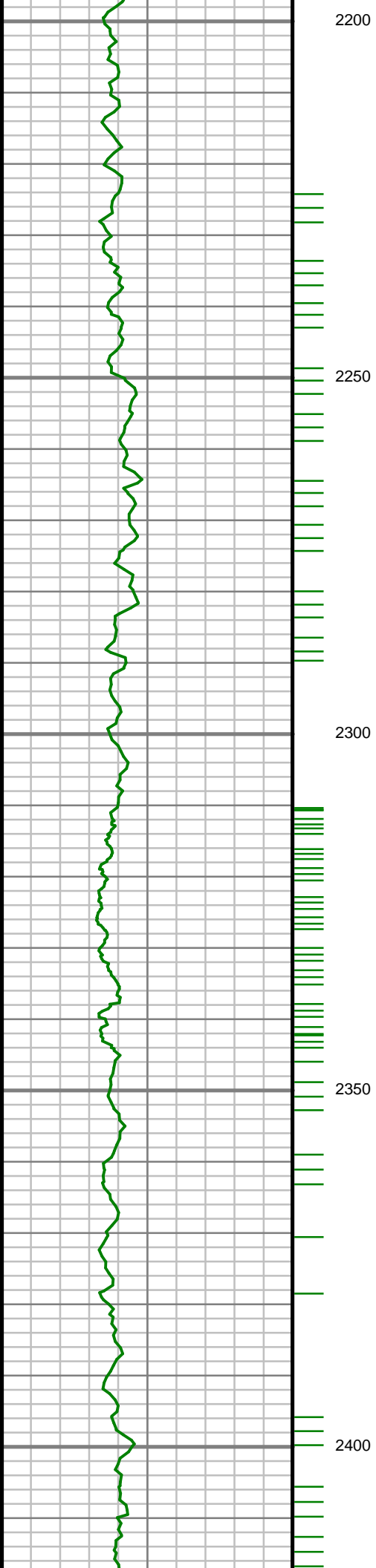


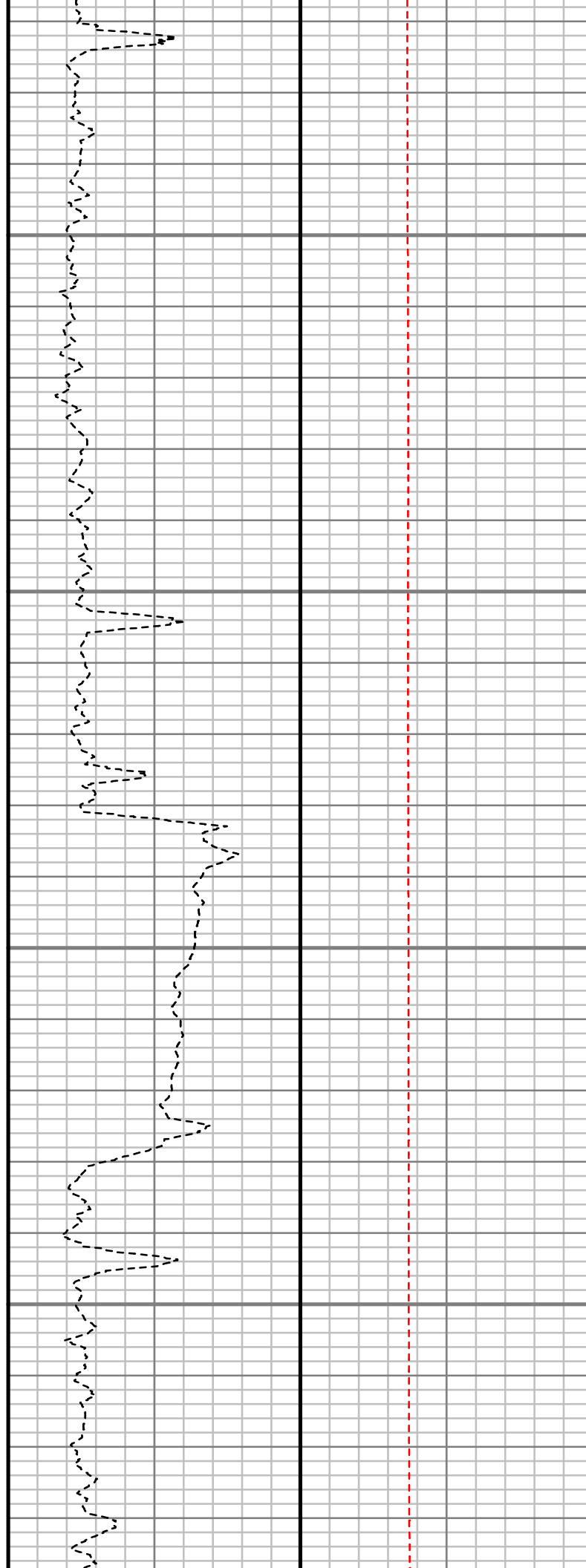
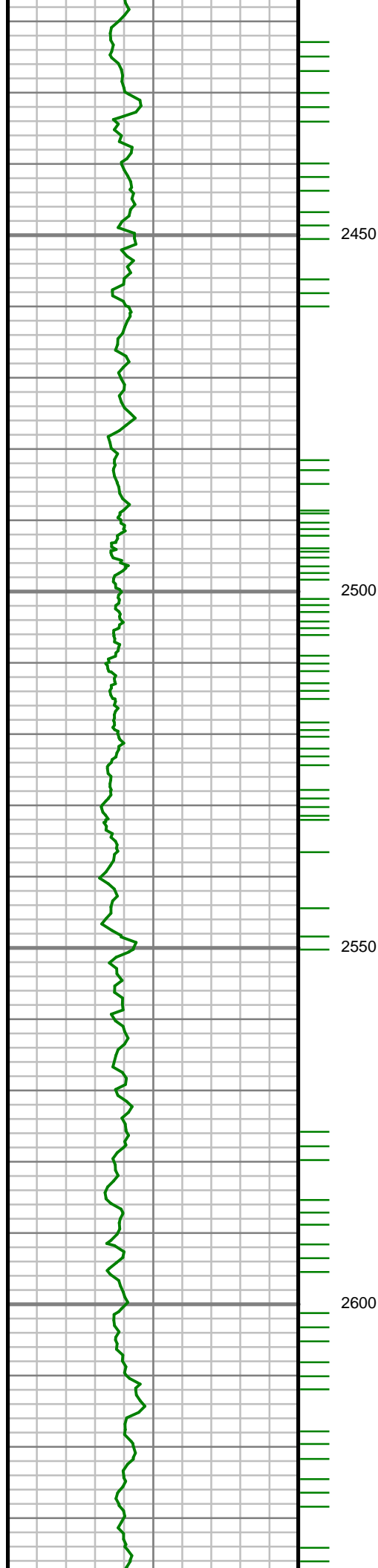


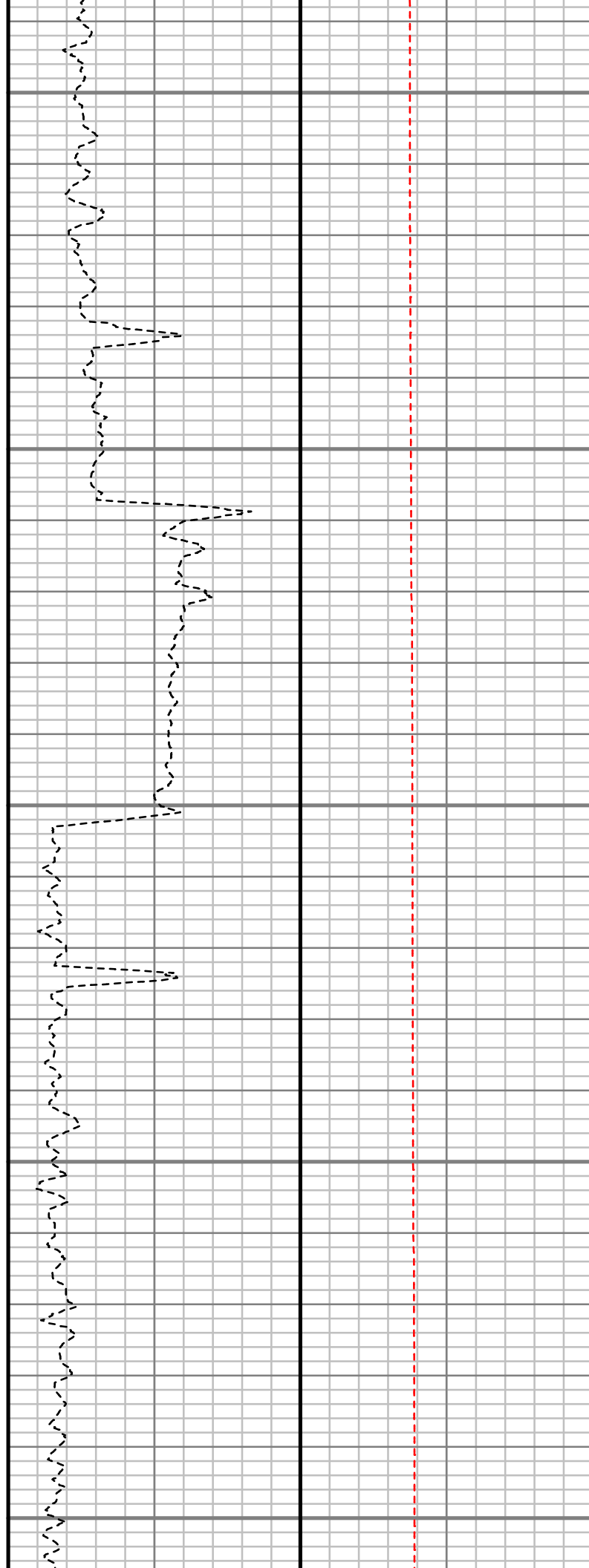
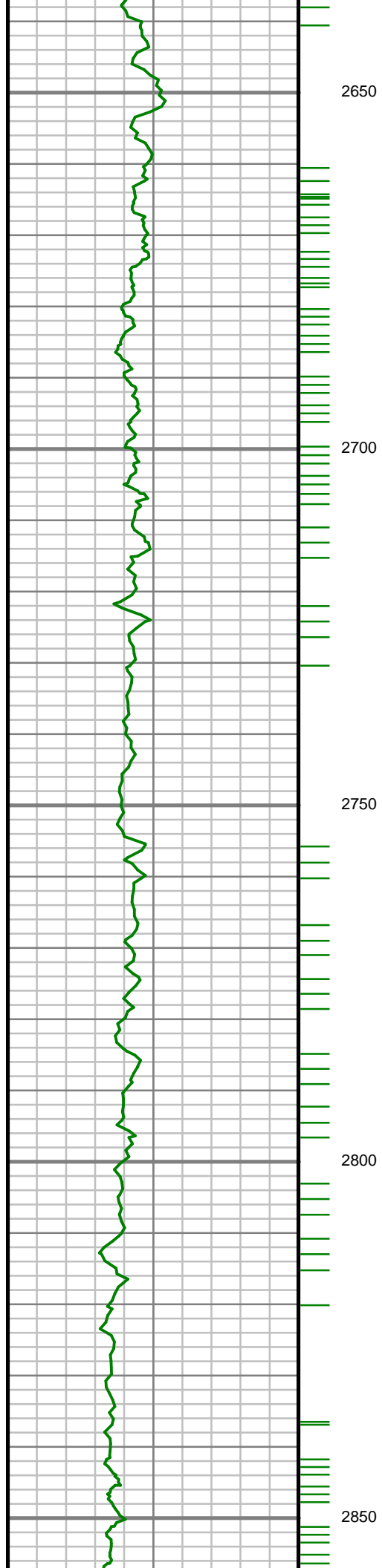


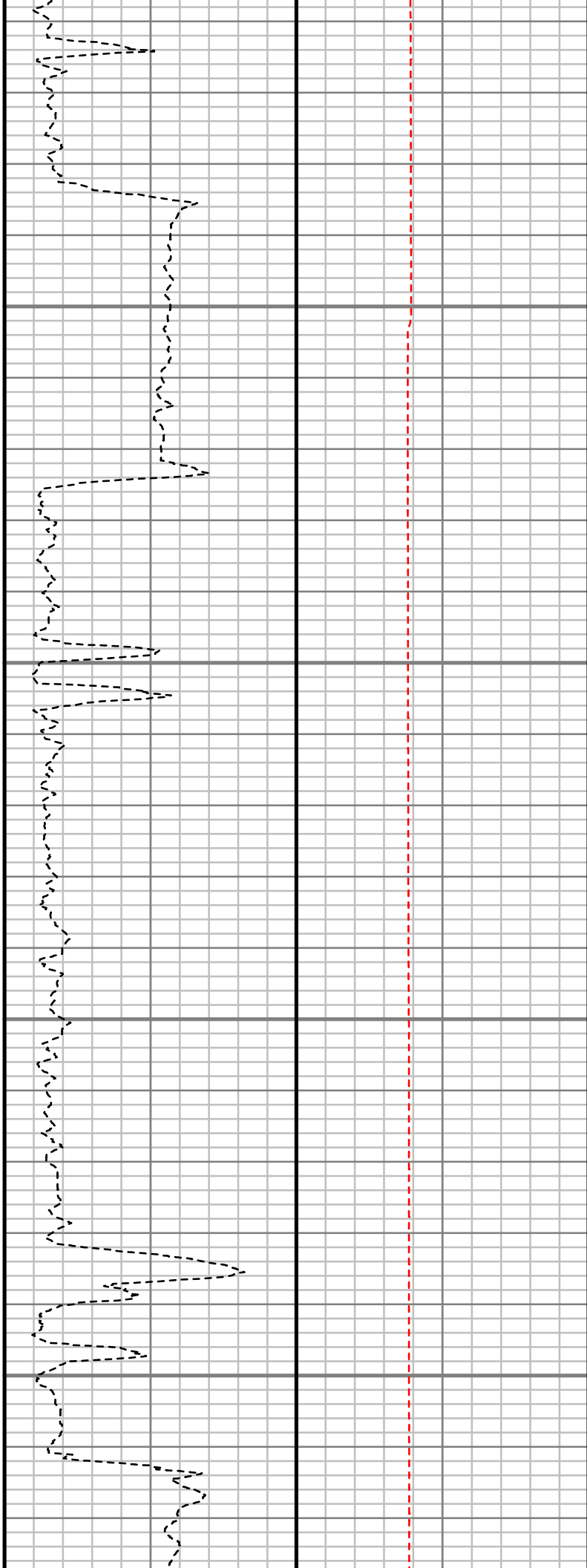
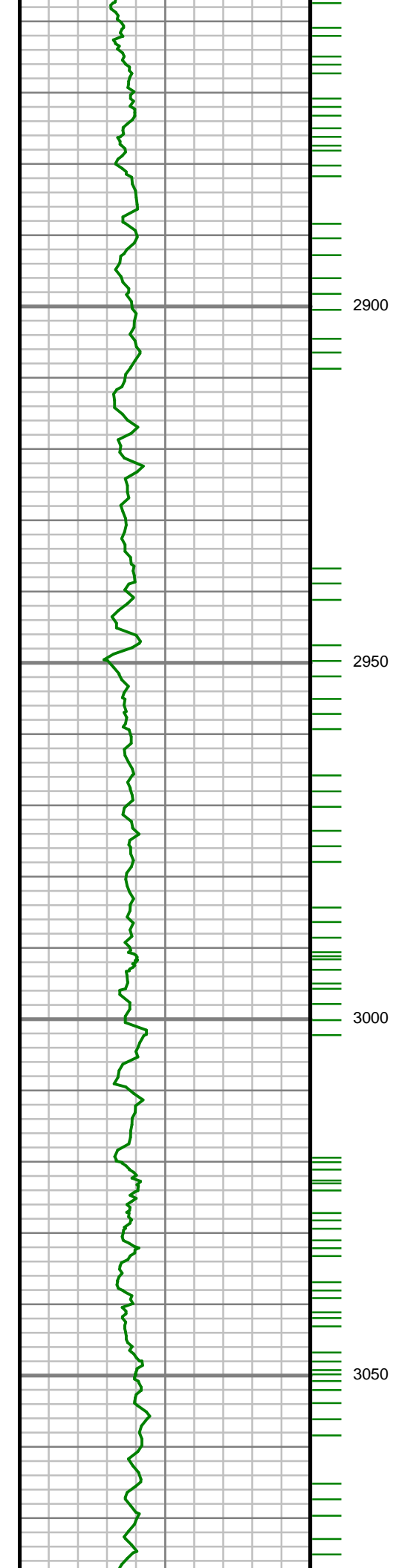


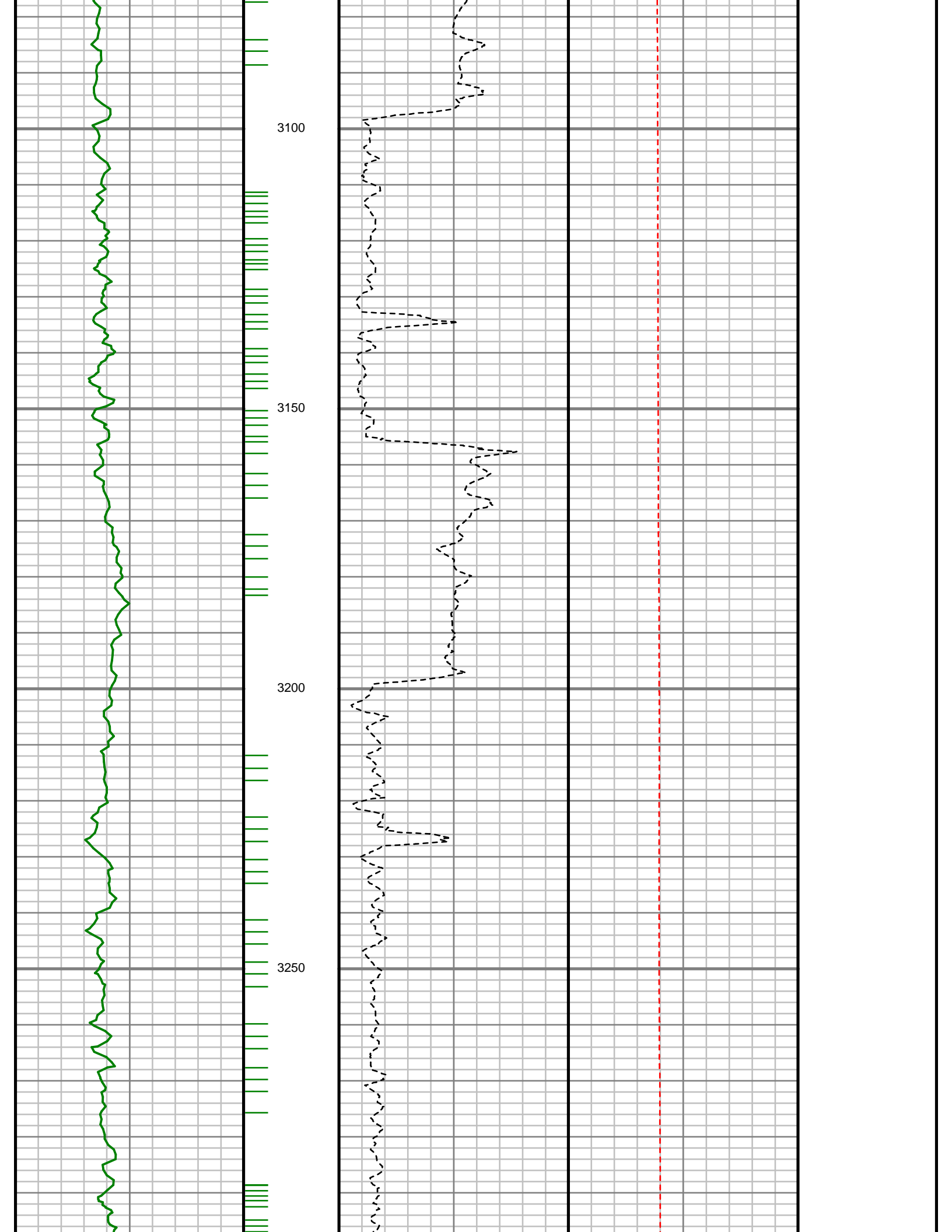


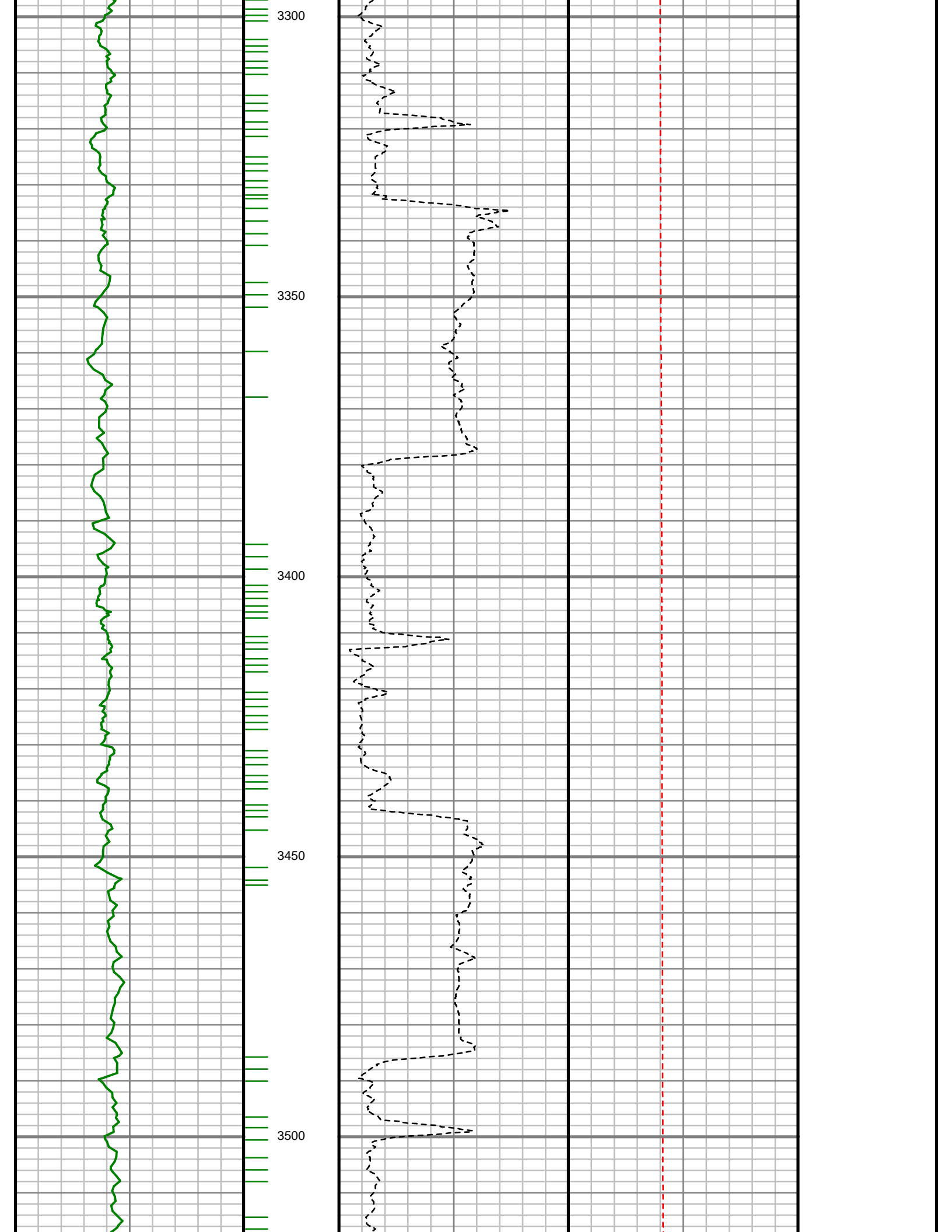


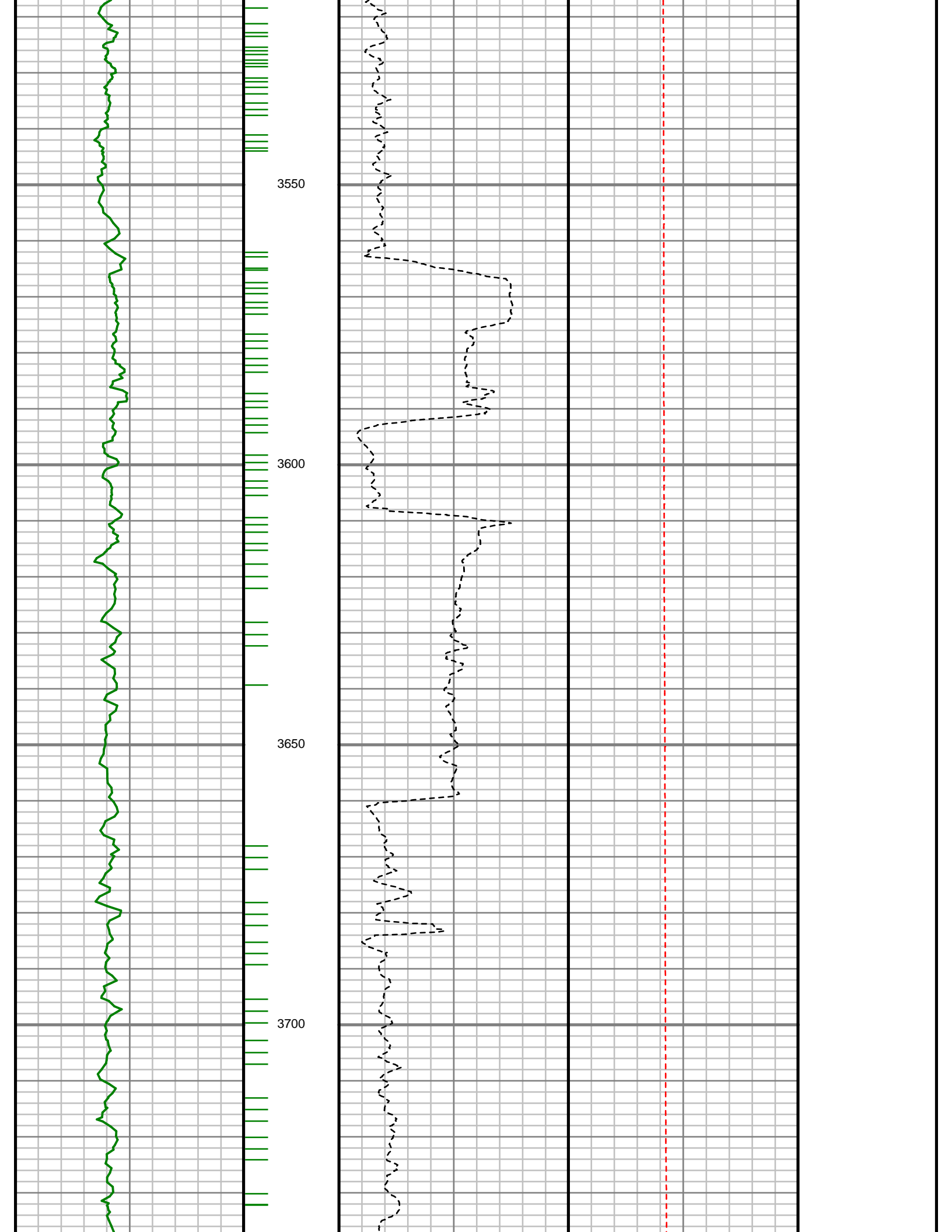


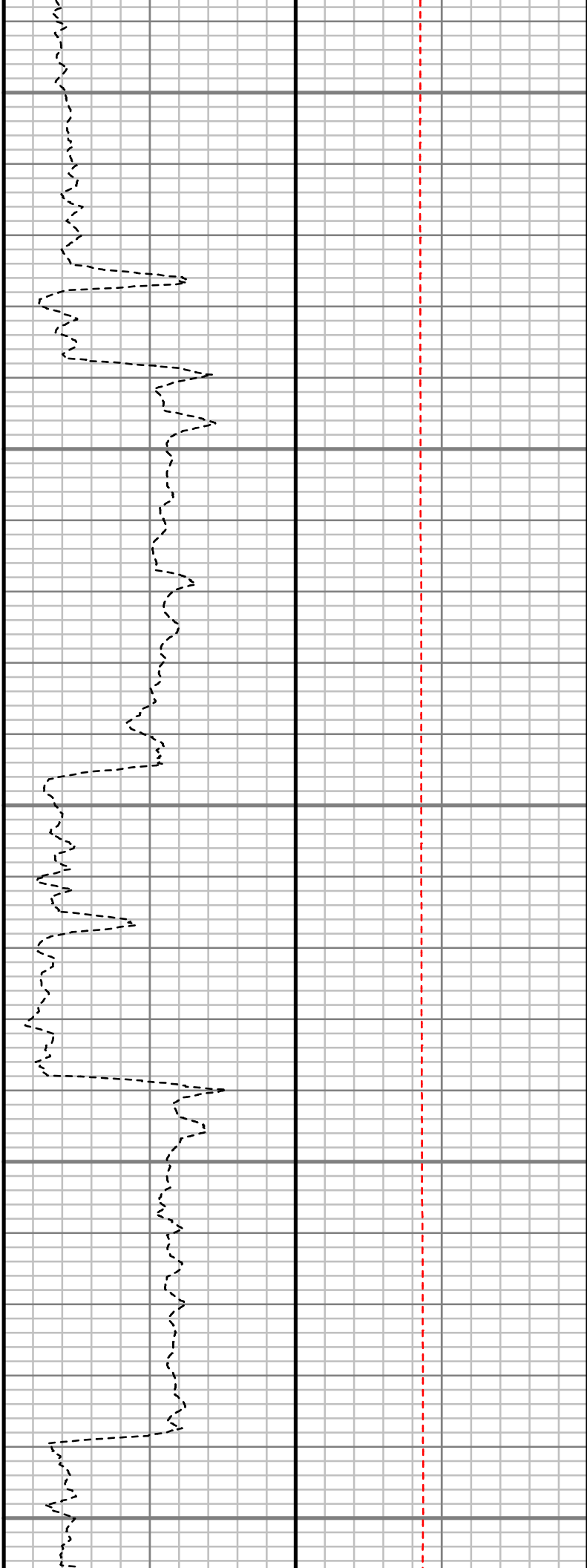
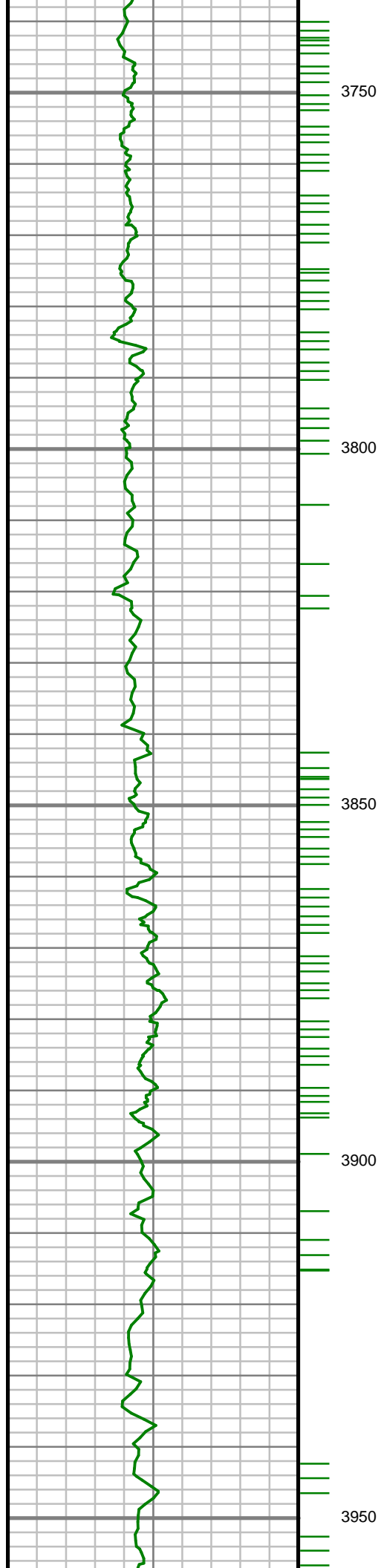


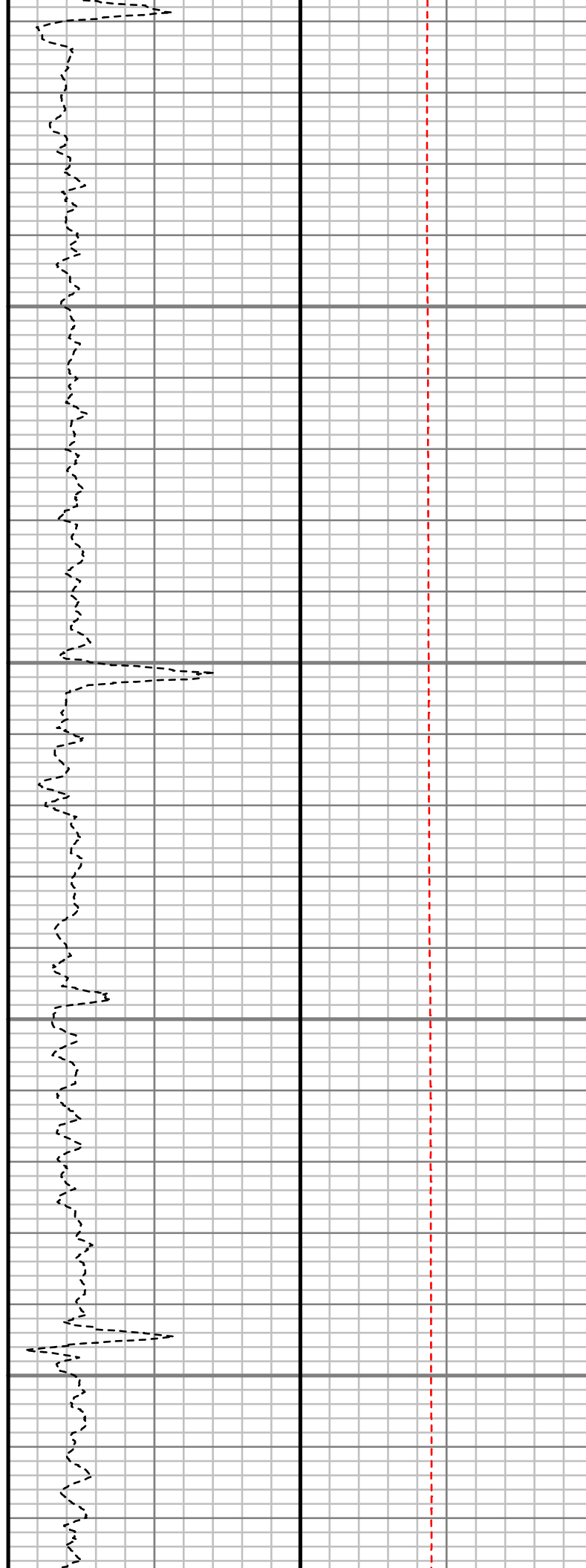
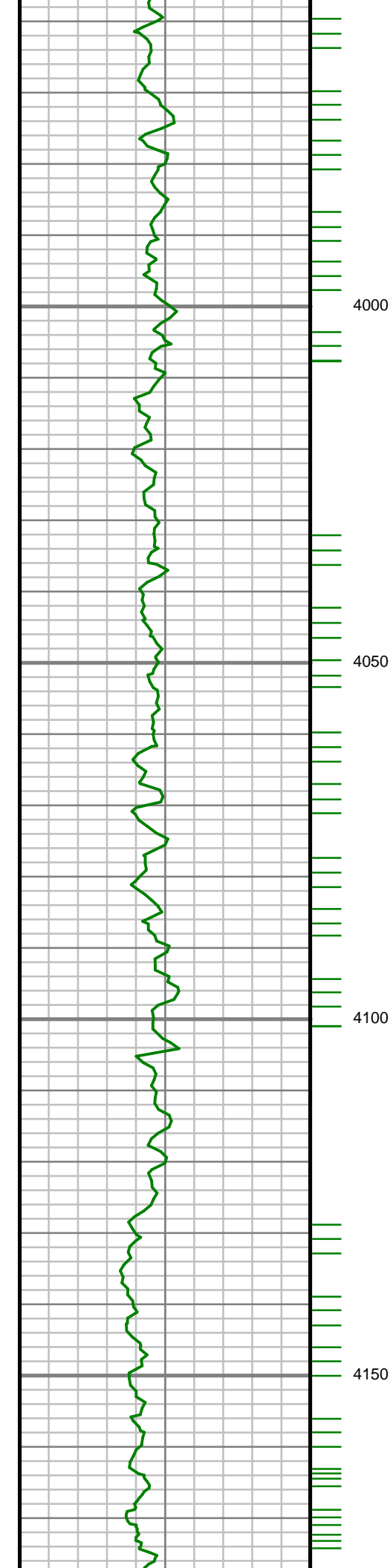


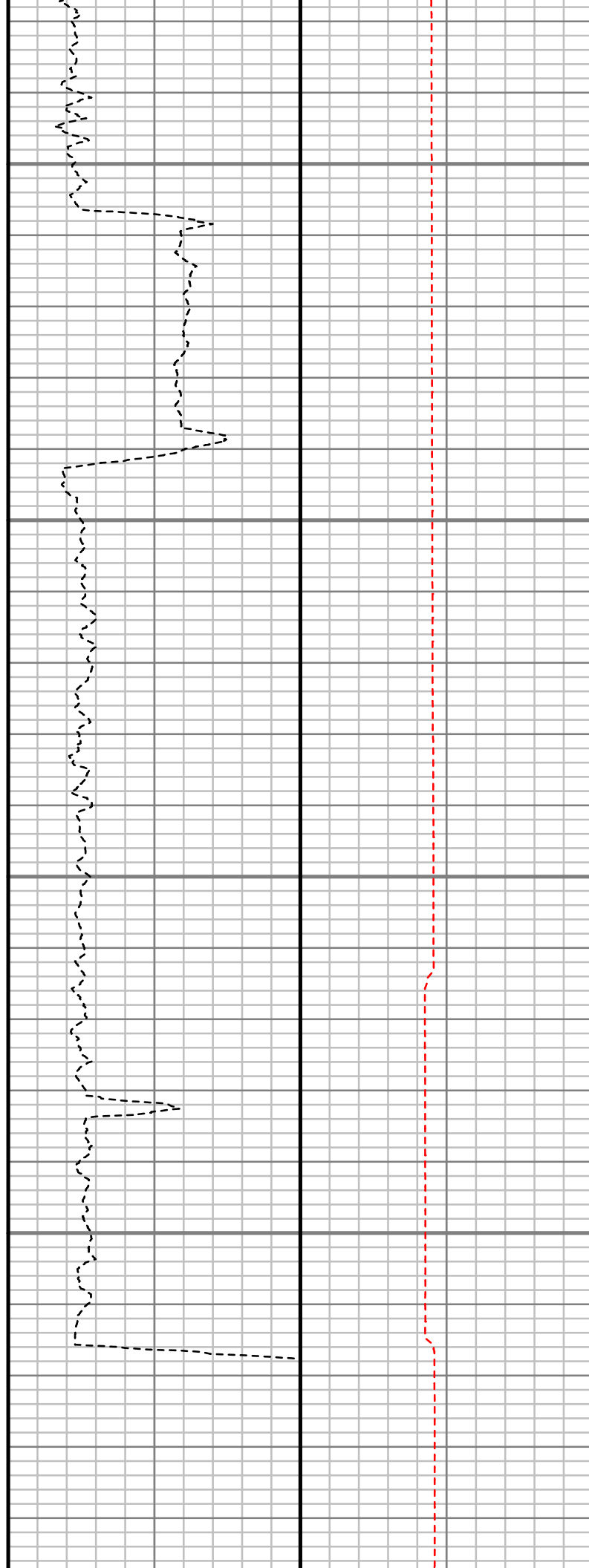
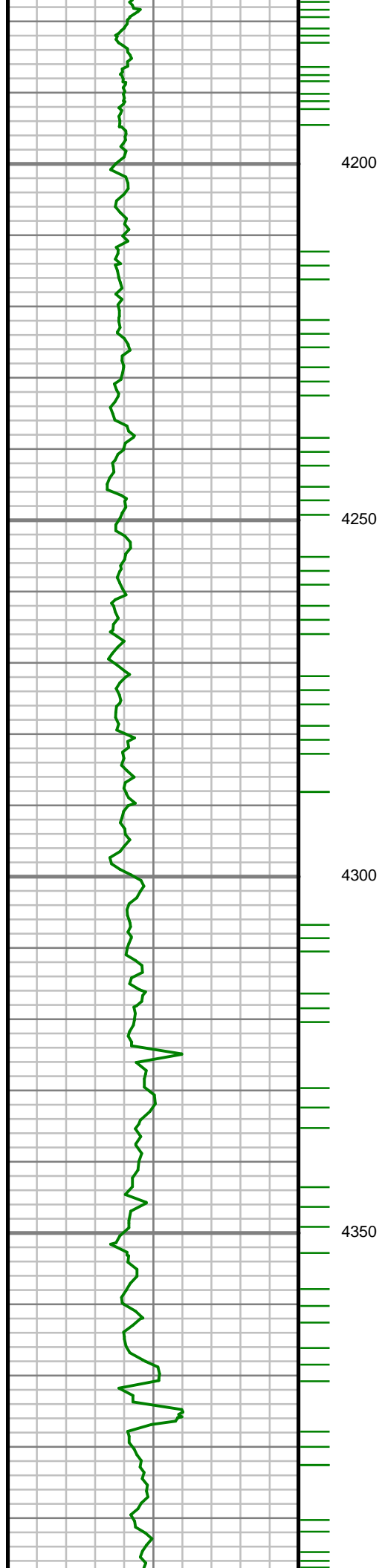


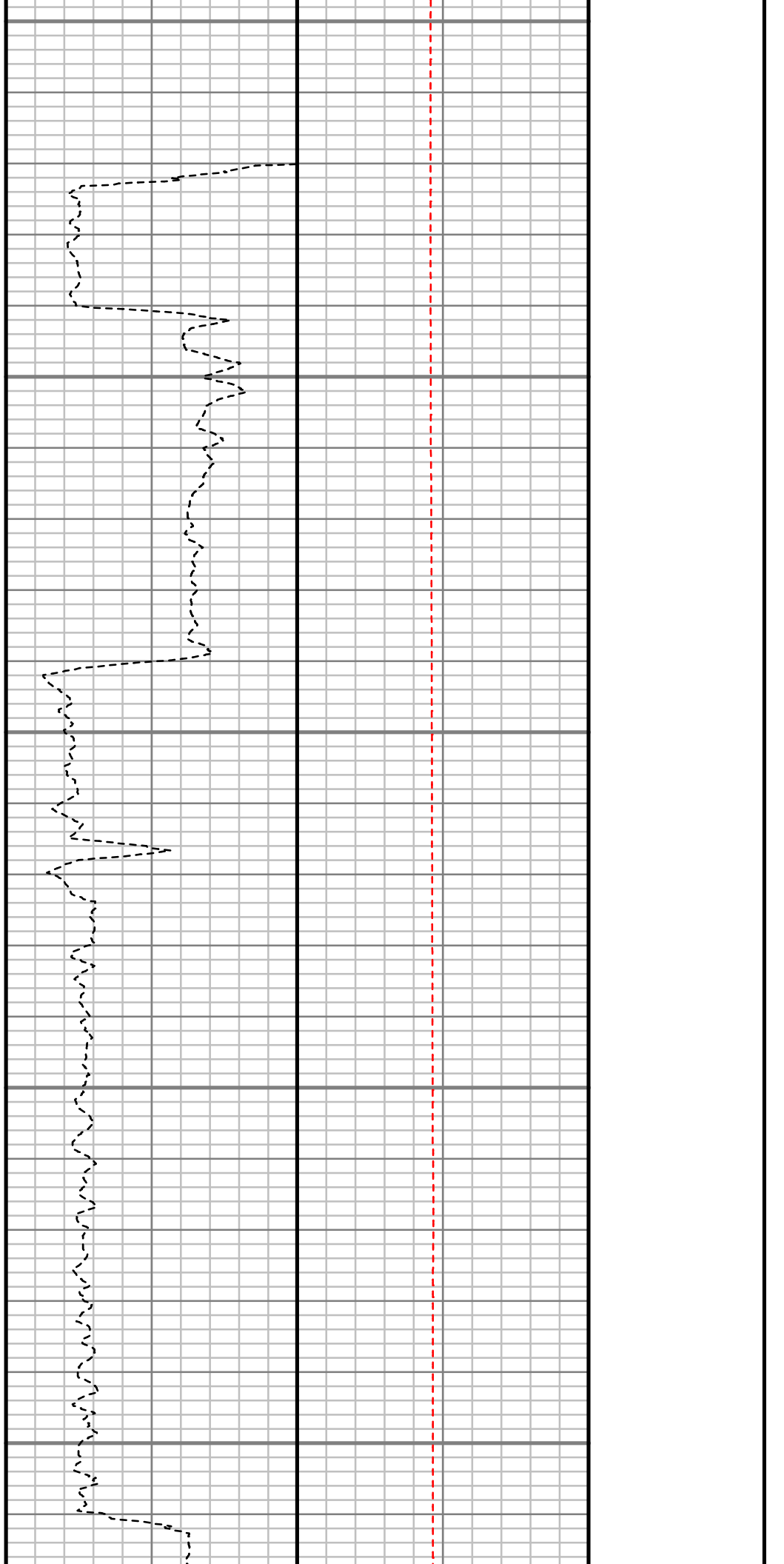
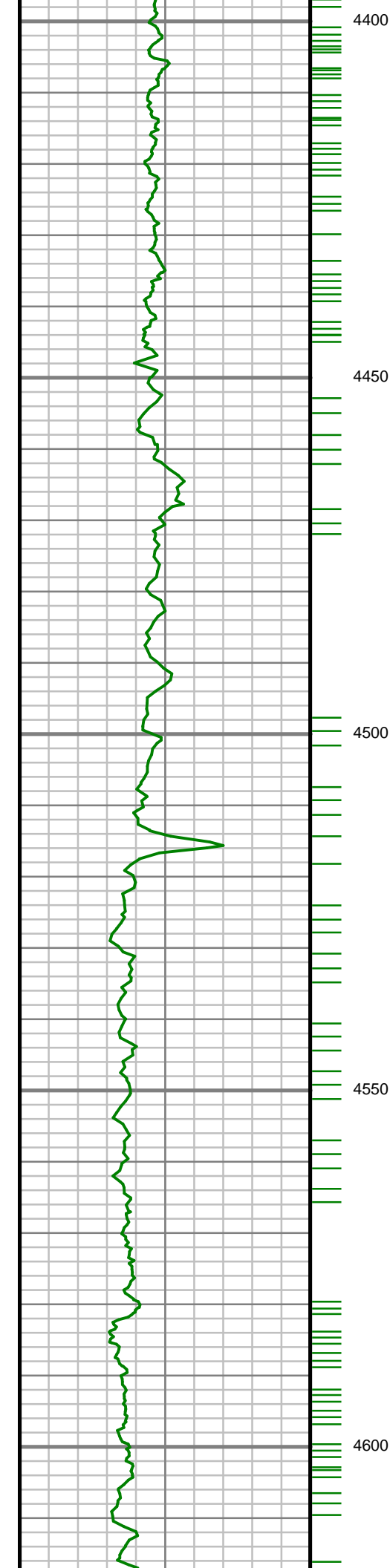


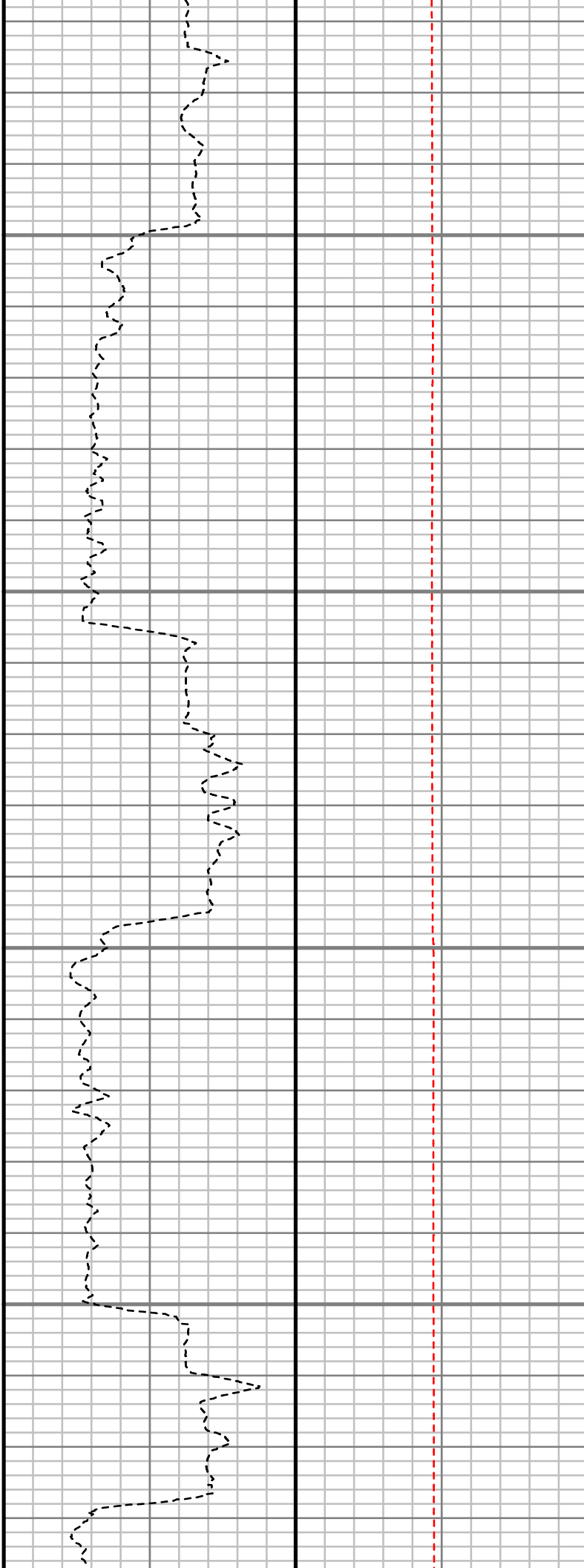
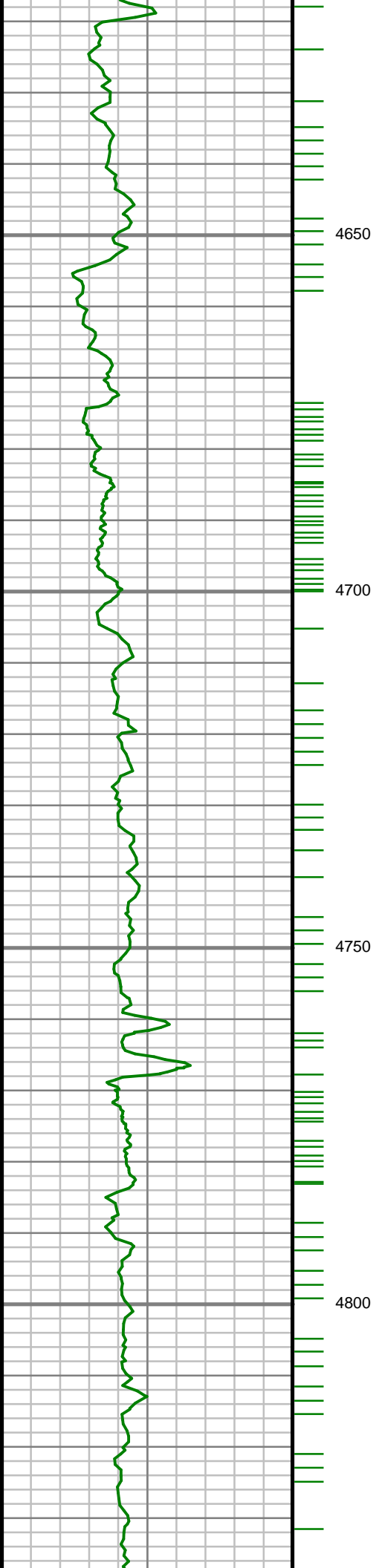


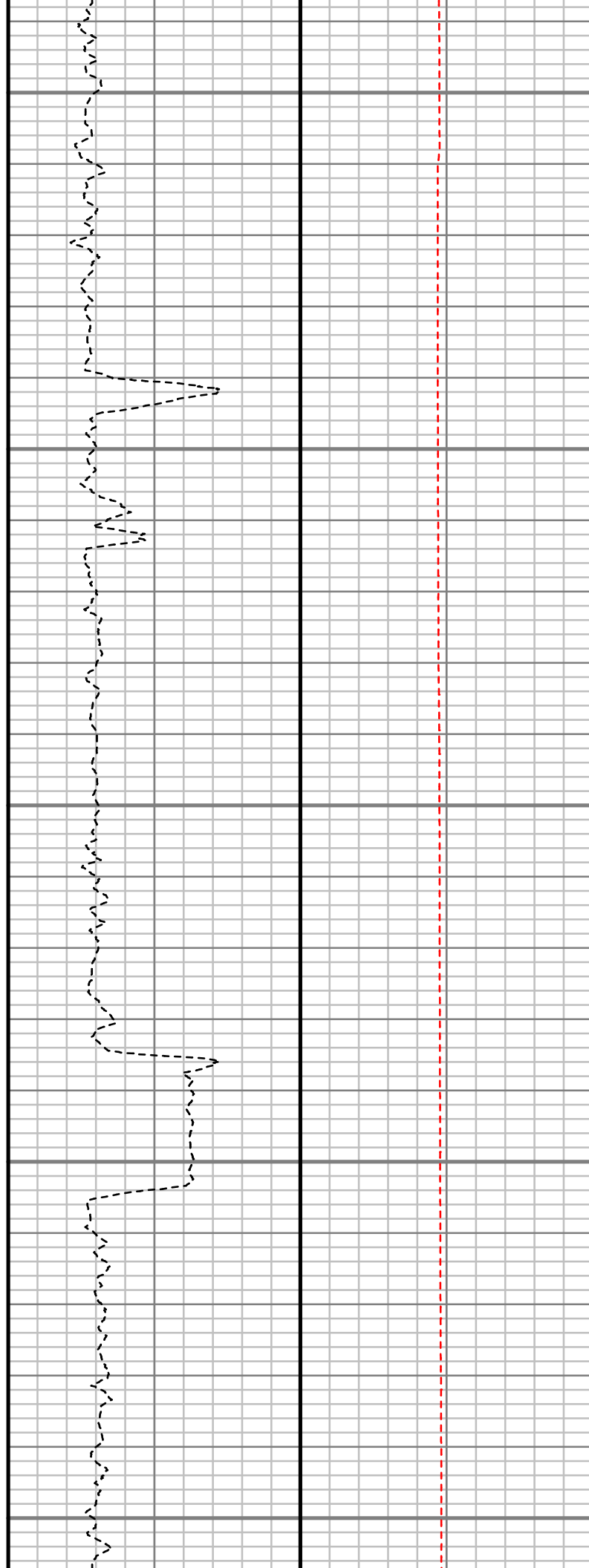
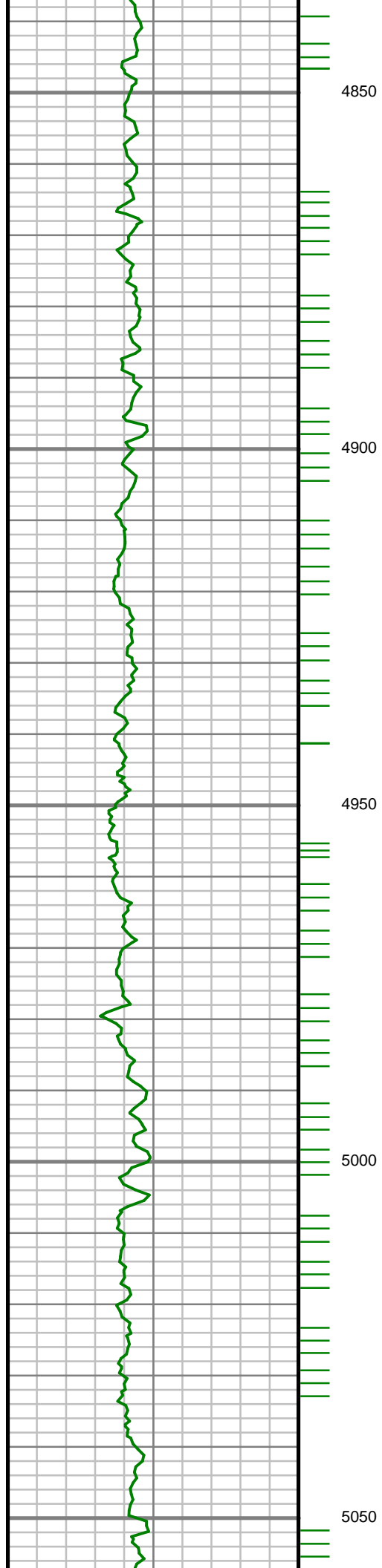


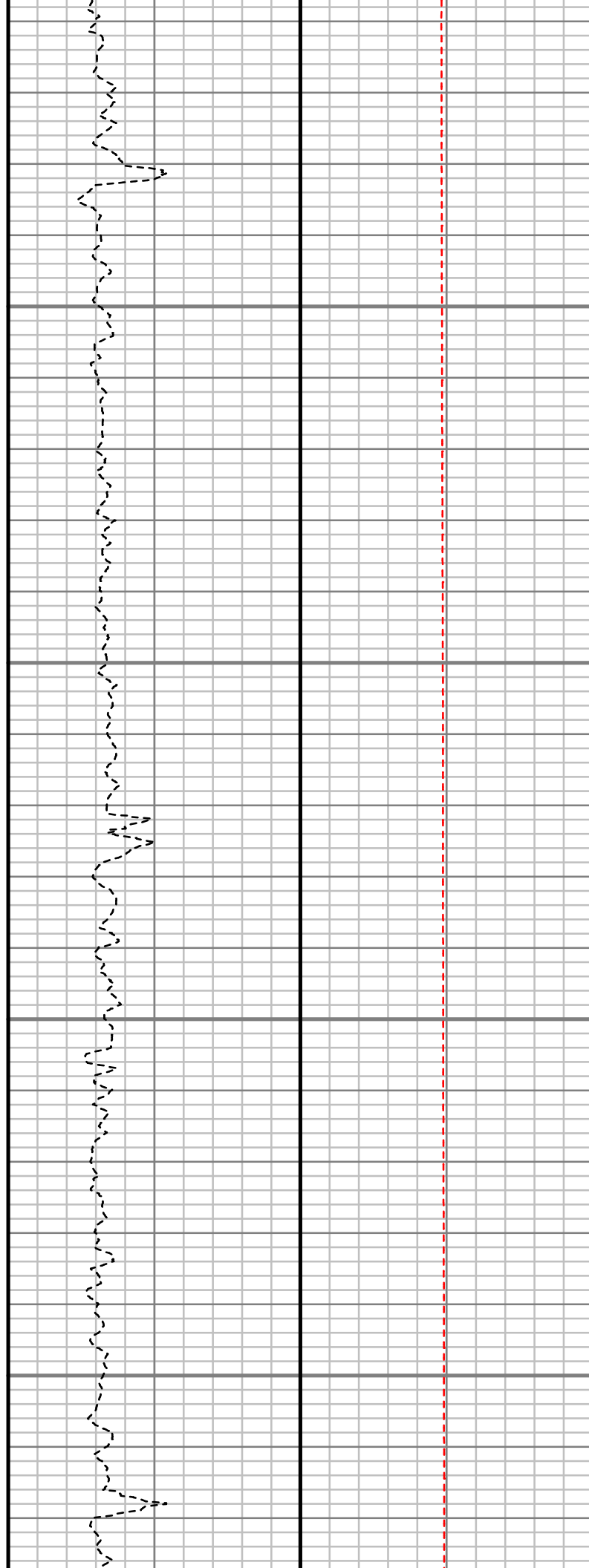
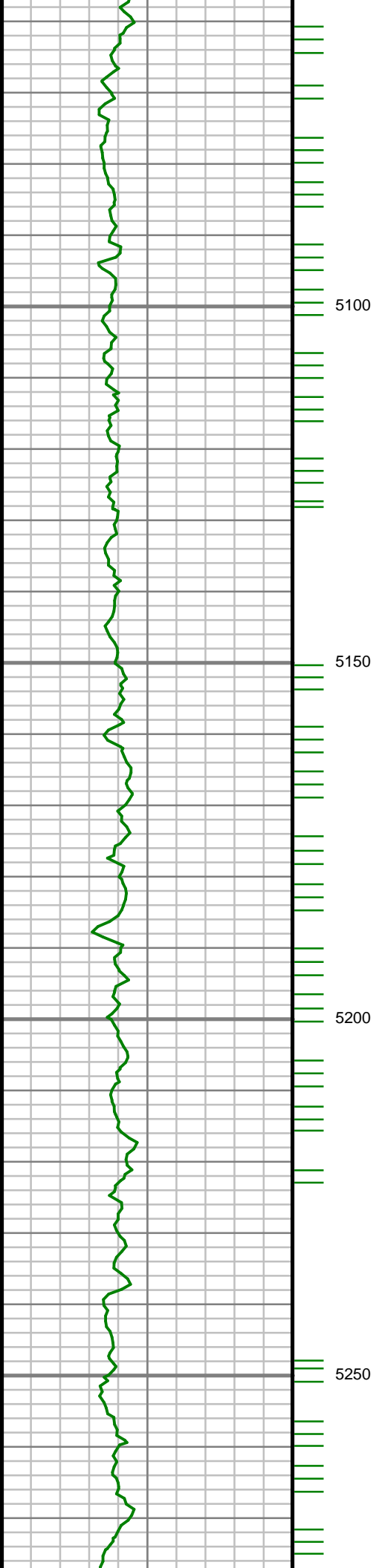


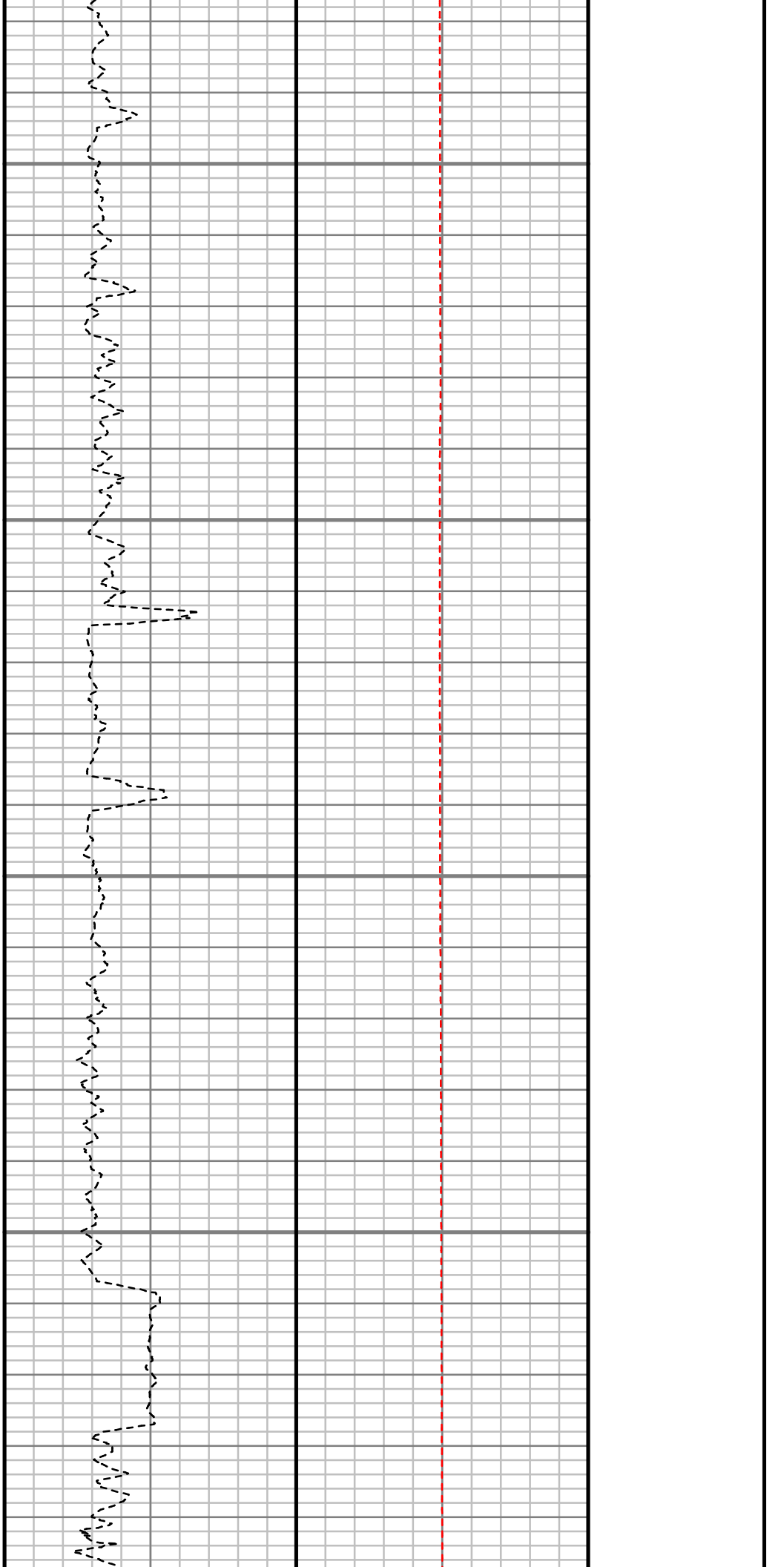
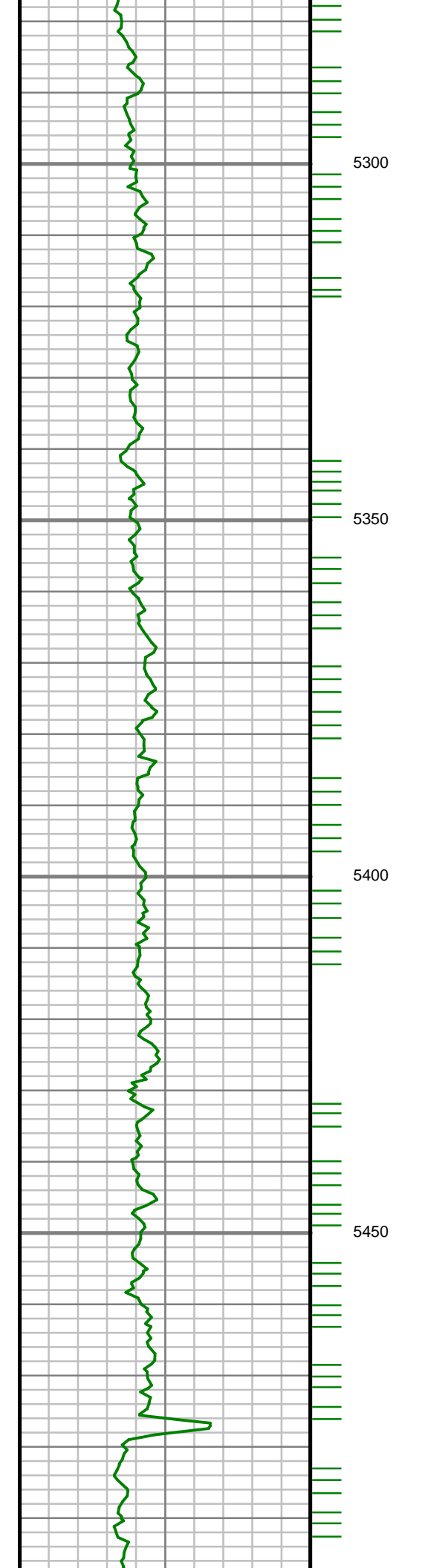


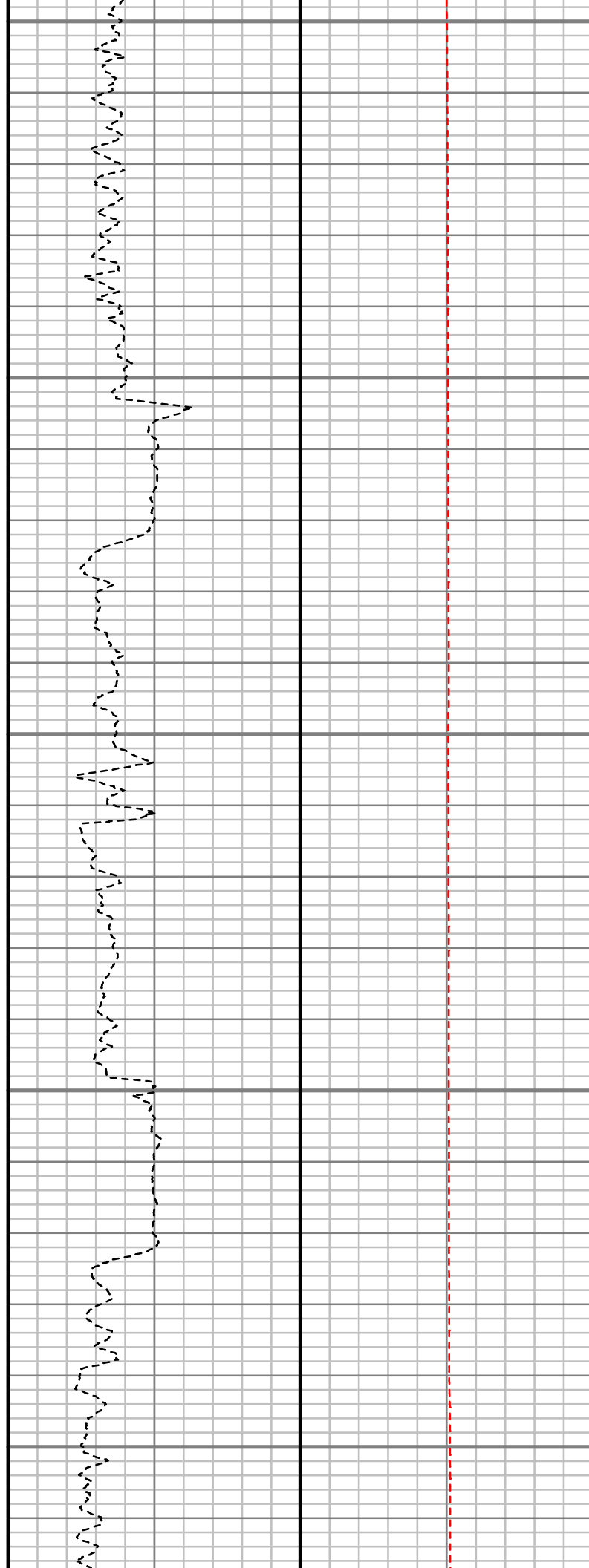
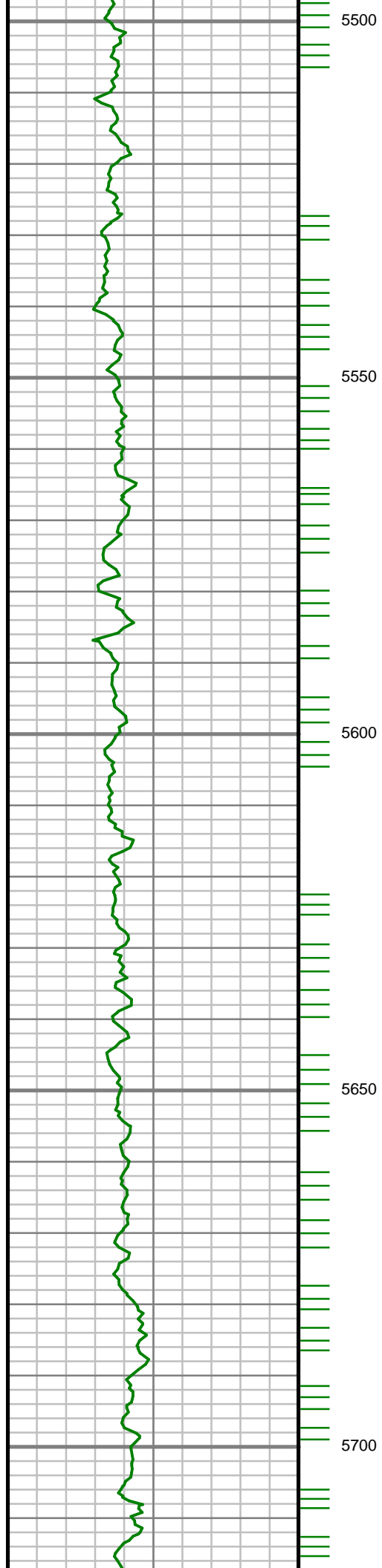


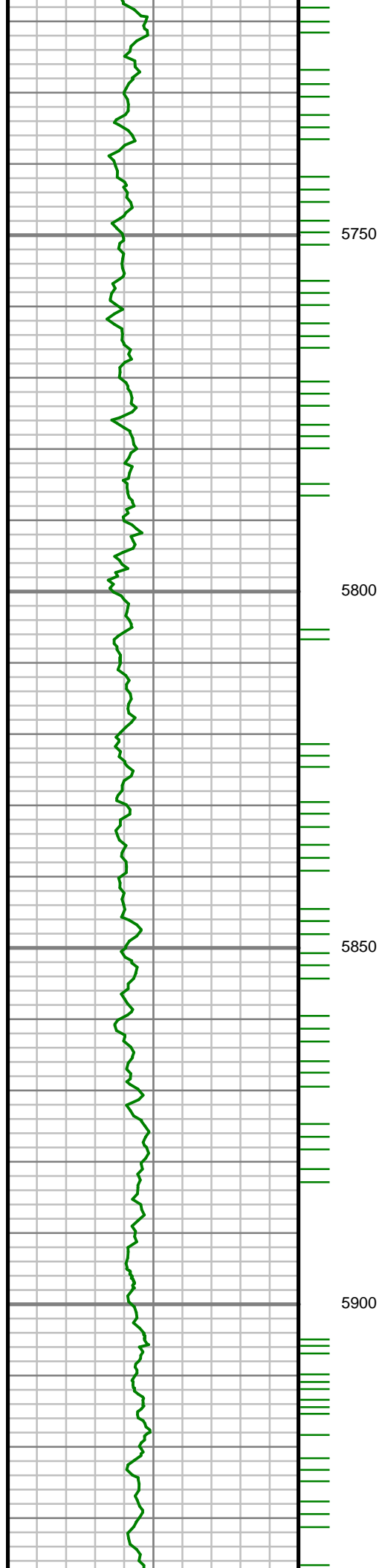


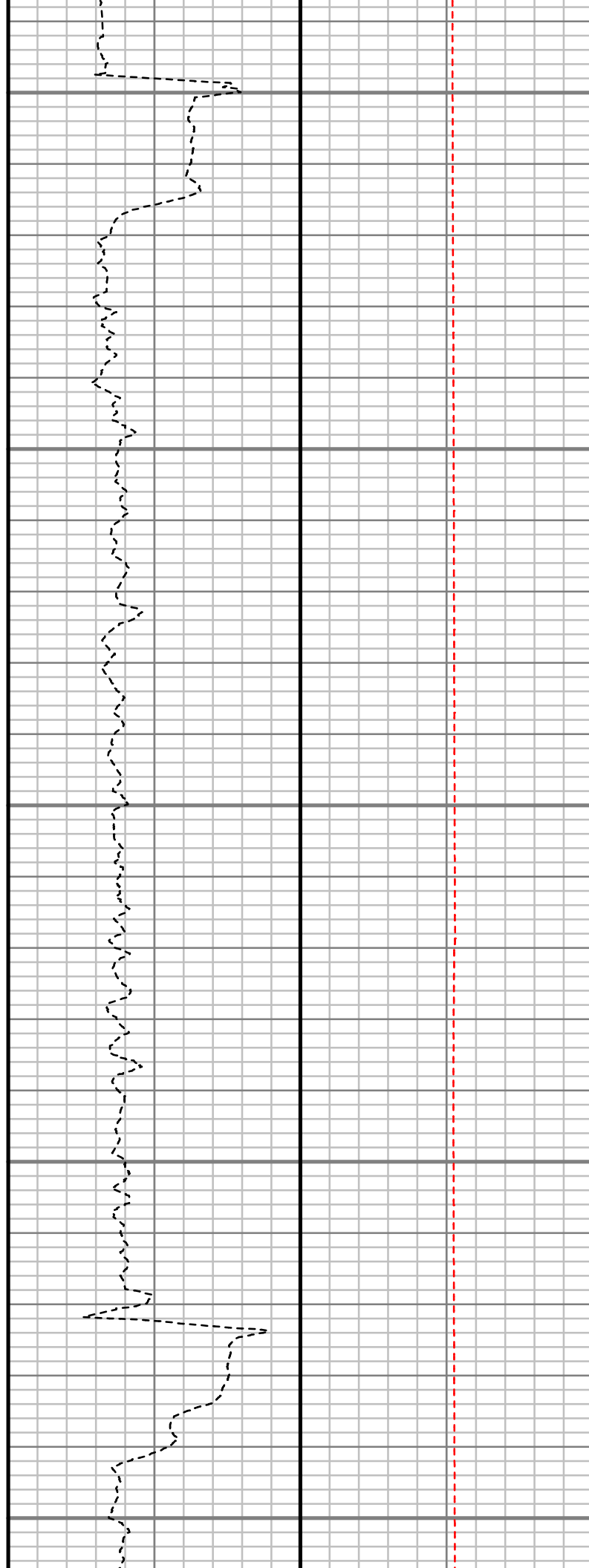
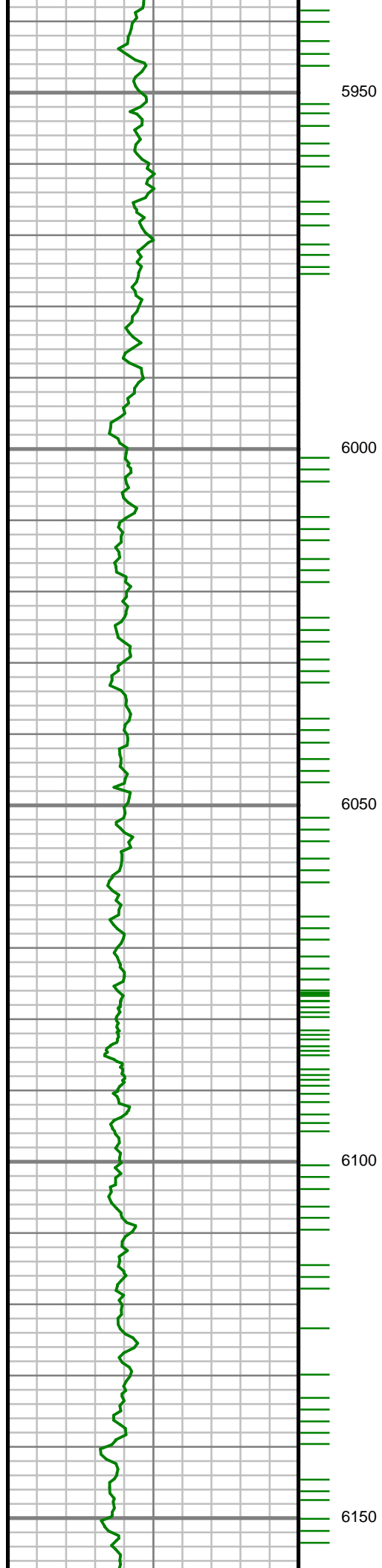


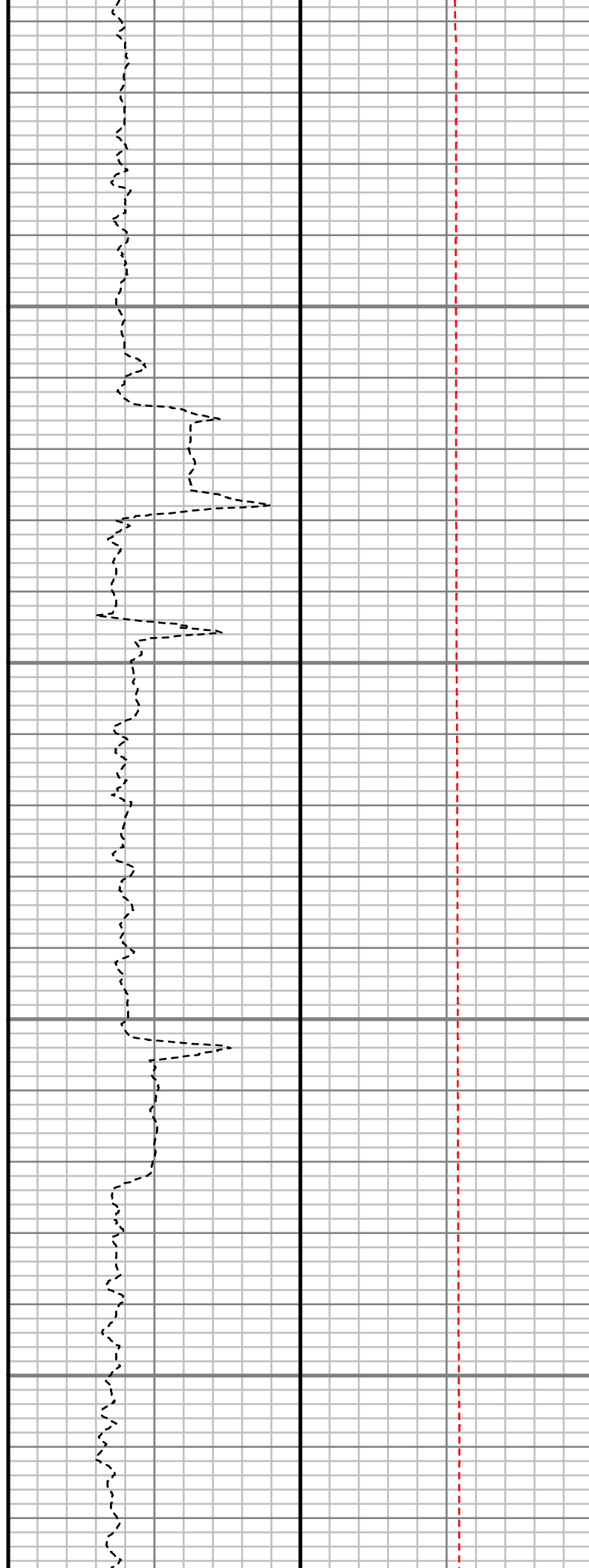
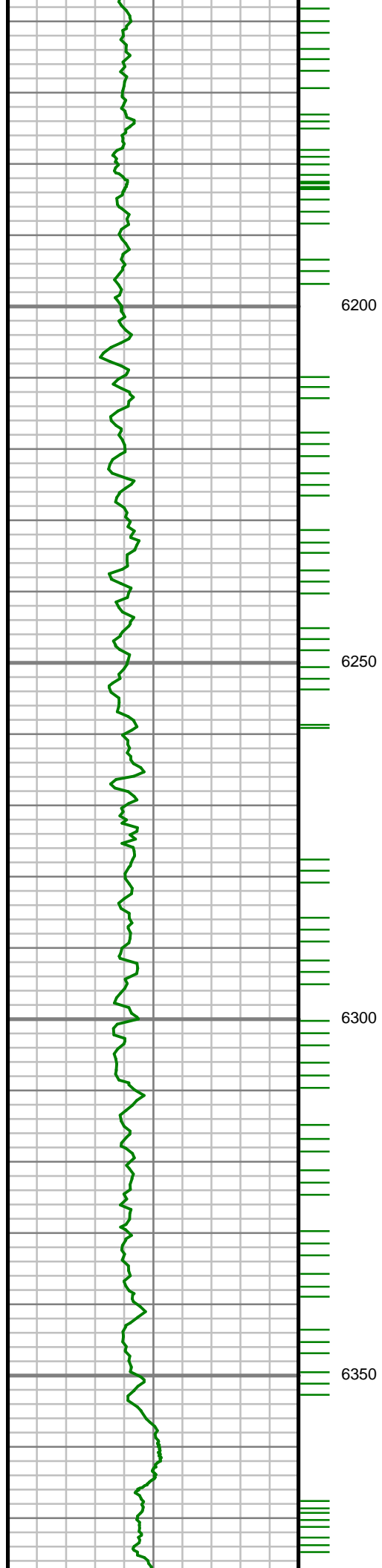


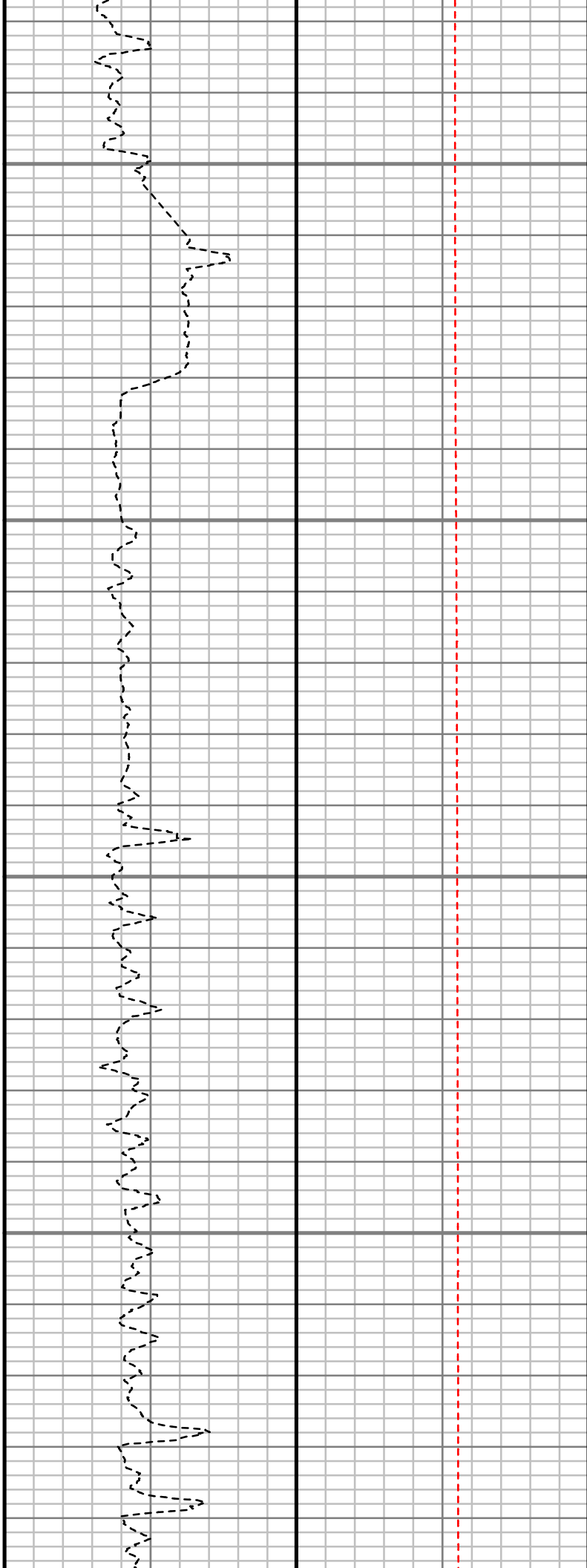
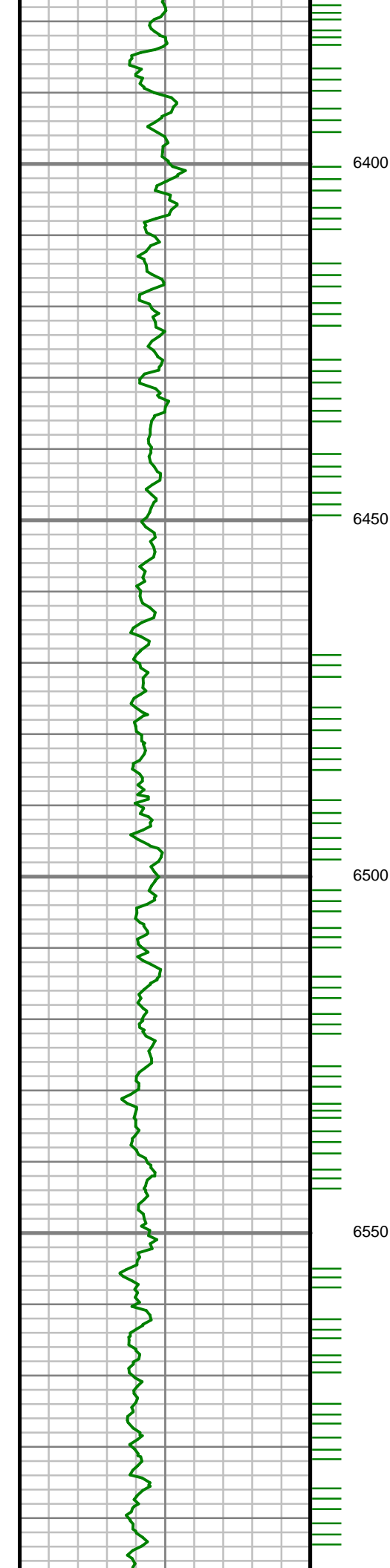


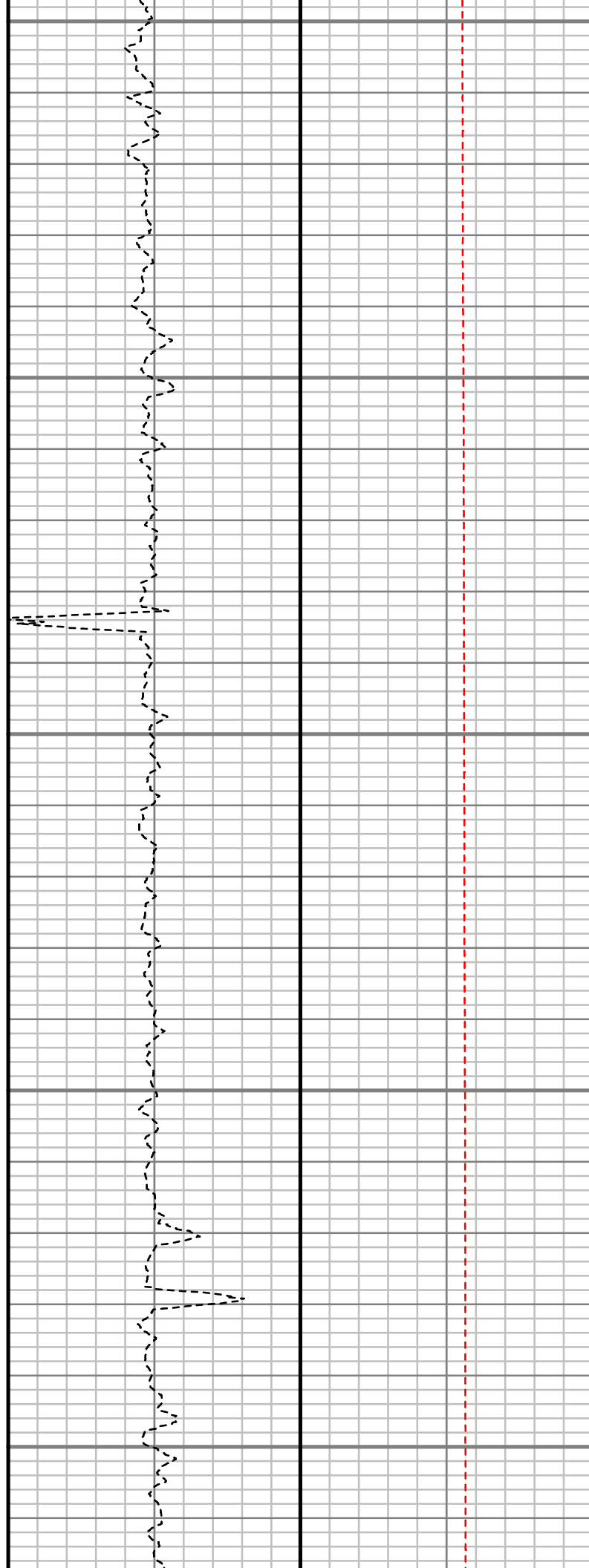
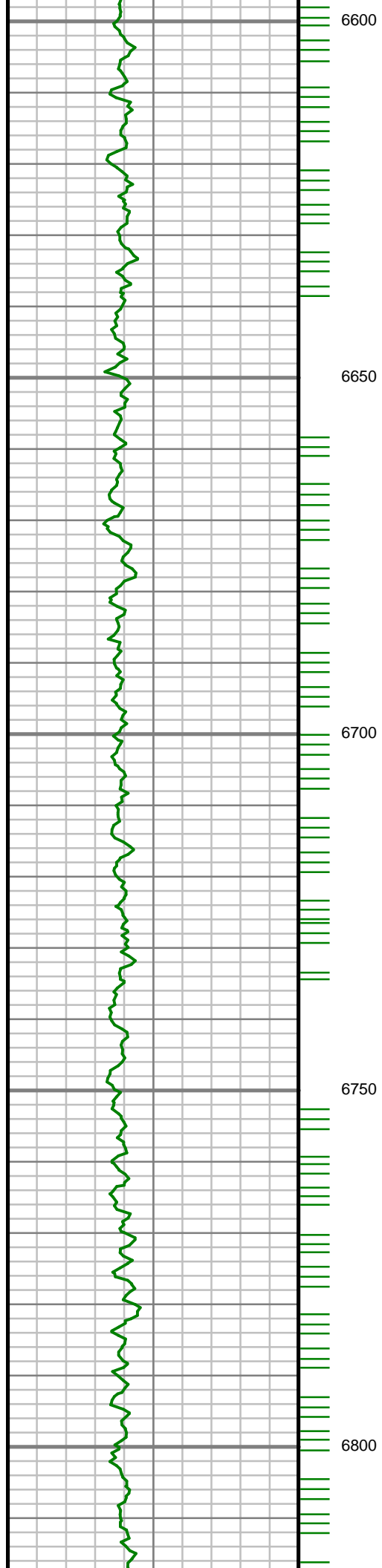


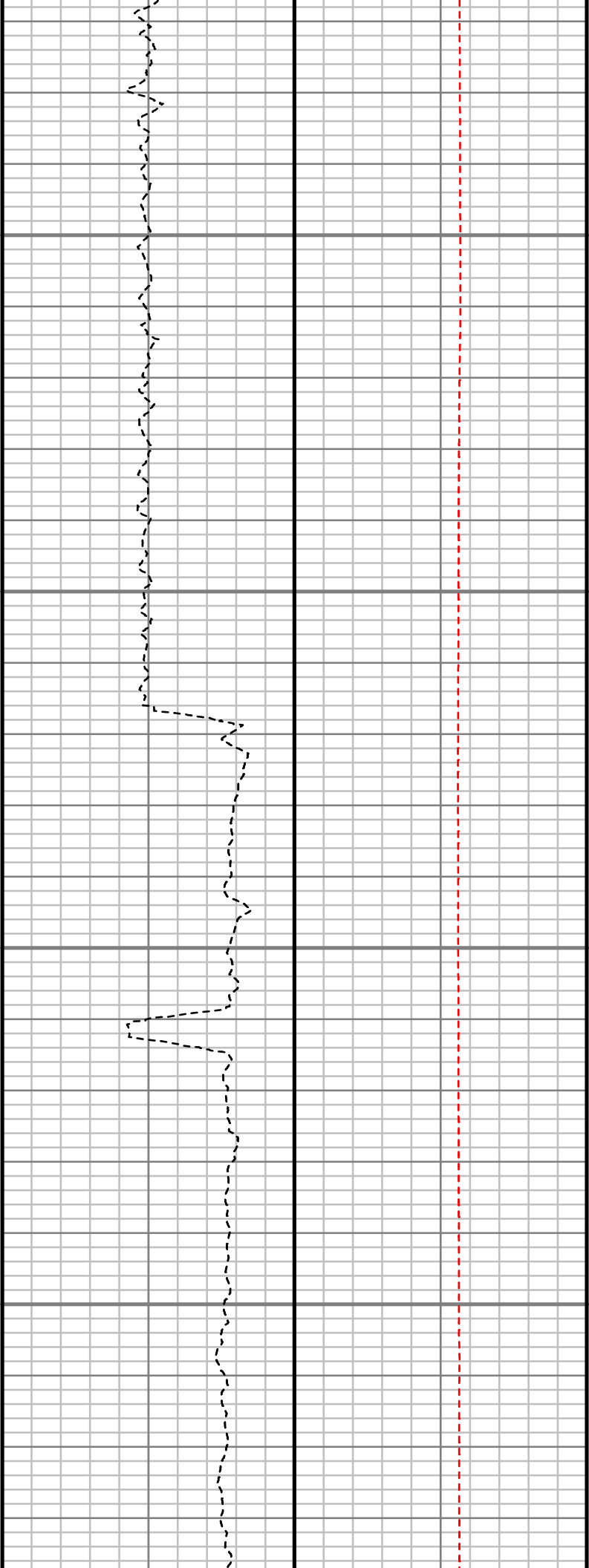
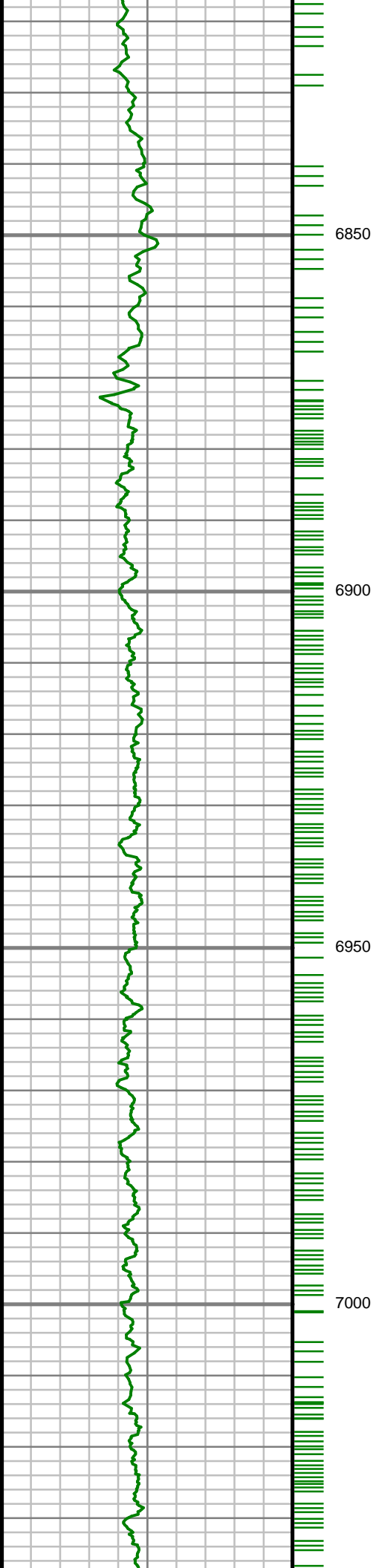


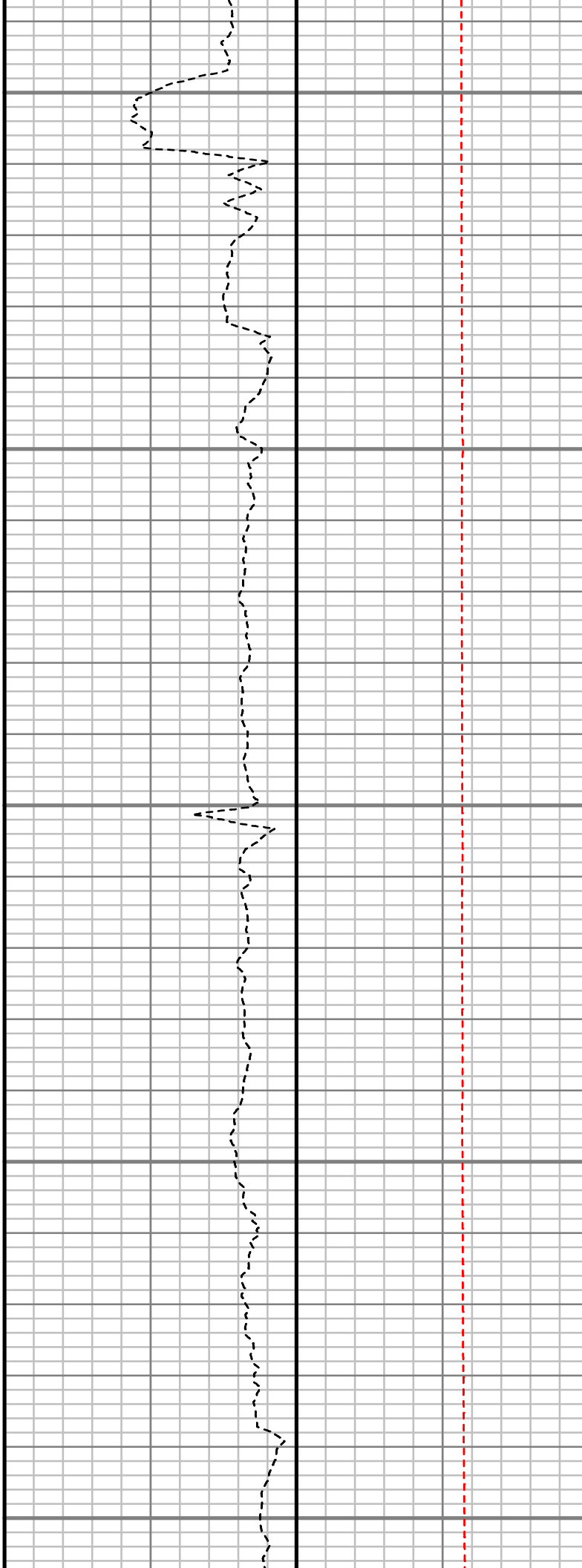
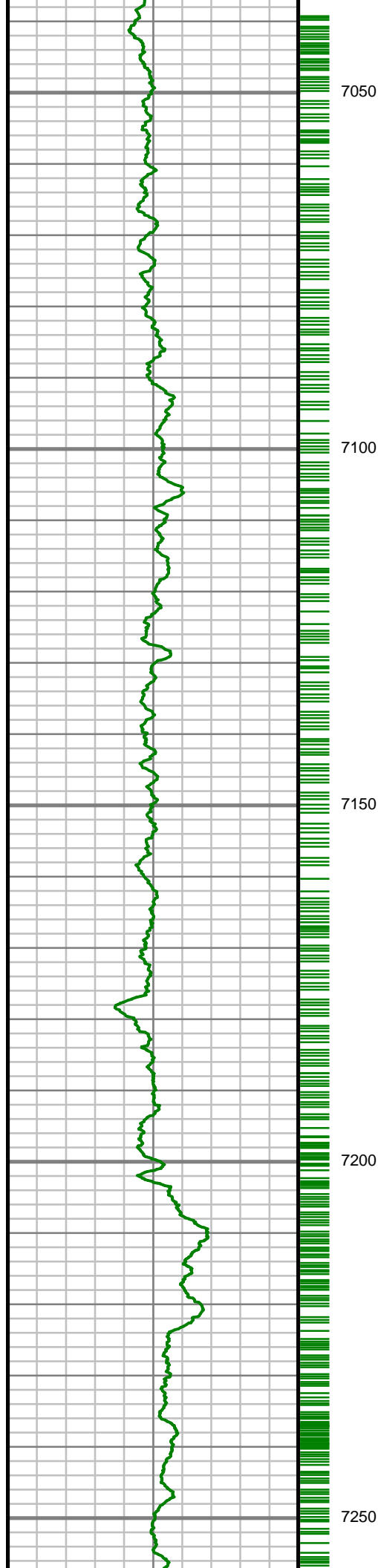


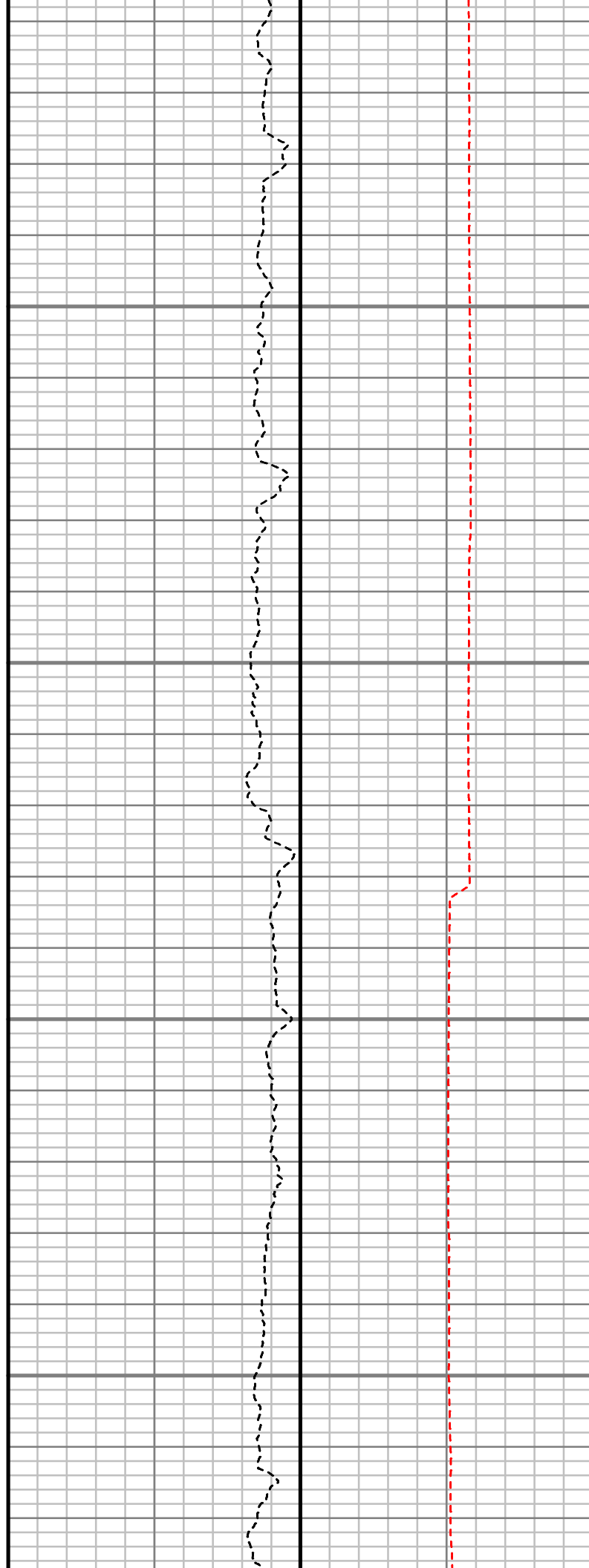
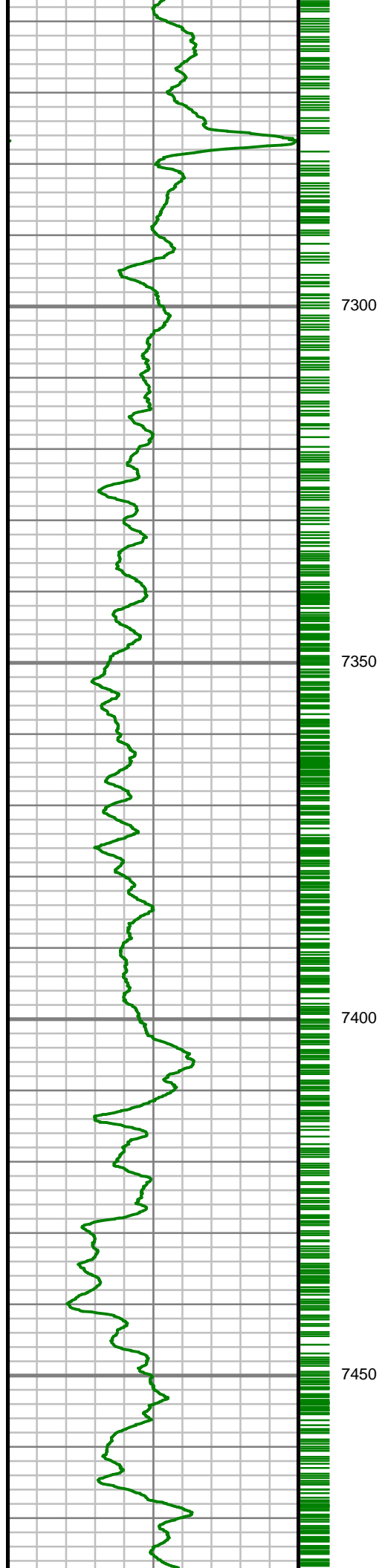


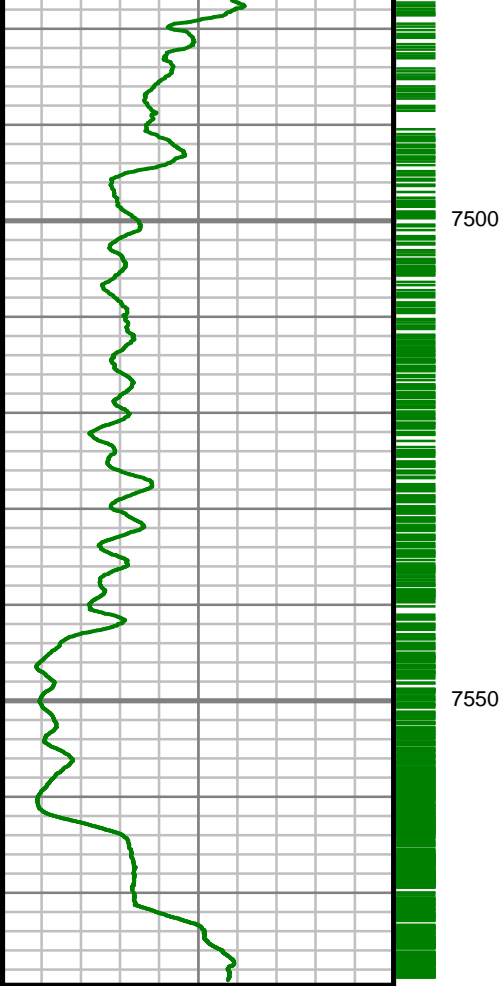






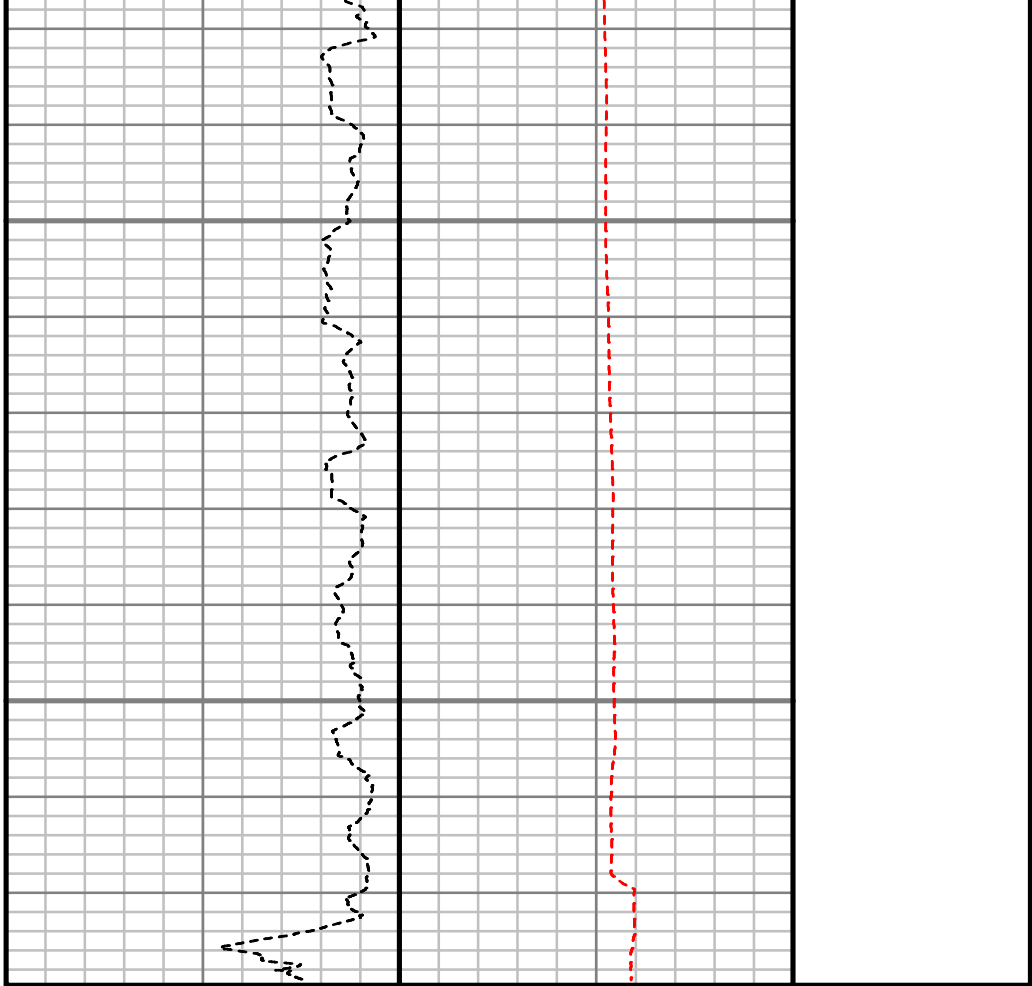






| Gamma Ray (GR) | | |
|----------------|-------------|-----|
| 0 | Unit = aapi | 150 |

TRUE VERTICAL DEPTH
1,240 (ft)



| Rate of Penetration (ROP) | | |
|---------------------------|--------------|---|
| 800 | Unit = ft/hr | 0 |

| Tool Temperature (T-TEMP) | | |
|---------------------------|-----------|-----|
| 0 | Unit = °F | 300 |

| Comments |
|----------|
|----------|

MWD Survey Report

| | |
|----------------------|--|
| Well Location | MULGA 29C-23HZ |
| Well Name | MULGA 29C-23HZ |
| Survey Date | 7/5/2014 |
| Latitude | 40°7'1.690"N |
| Longitude | 104°51'34.934"W |
| Btotal | 52743, 52806 nT |
| Dip | 66.77, 66.80 deg |
| Magnetic Declination | 8.60, 8.64 deg |
| North Reference | True North |
| Grid Correction | None |
| Depth Reference | RKB (25.00 ft) |
| Calculation Method | Minimum Curvature |
| Section (VS) Ref | 0.00N (ft), 0.00E (ft), 0.00Azim (deg) |
| Operator(s) | B. GREER, M. SHARKER |

Well Notes

SURVEYS FROM 0 FT. TO 1249 FT. WERE ACQUIRED BY MS GYRO MWD.

SURVEYS FROM 1249 FT. TO 12593 FT. WERE ACQUIRED BY SCIENTIFIC DRILLING INTERNATIONAL MWD.

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|---------|------|--------|---------|-------|-------|--------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Invalid | Invalid |
| 25.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 |
| 125.00 | 0.57 | 348.80 | 125.00 | 0.49 | 0.49 | -0.10 | 0.57 | 100.00 |
| 225.00 | 0.50 | 22.47 | 224.99 | 1.38 | 1.38 | -0.03 | 0.32 | 100.00 |
| 325.00 | 0.15 | 59.44 | 324.99 | 1.85 | 1.85 | 0.25 | 0.39 | 100.00 |
| 425.00 | 0.45 | 302.74 | 424.99 | 2.13 | 2.13 | 0.04 | 0.53 | 100.00 |
| 525.00 | 0.76 | 344.40 | 524.99 | 2.98 | 2.98 | -0.47 | 0.52 | 100.00 |
| 625.00 | 0.64 | 10.74 | 624.98 | 4.17 | 4.17 | -0.55 | 0.34 | 100.00 |
| 725.00 | 0.21 | 25.71 | 724.98 | 4.88 | 4.88 | -0.36 | 0.44 | 100.00 |
| 825.00 | 0.26 | 295.06 | 824.98 | 5.14 | 5.14 | -0.49 | 0.34 | 100.00 |
| 925.00 | 0.71 | 298.34 | 924.97 | 5.53 | 5.53 | -1.24 | 0.45 | 100.00 |
| 1025.00 | 0.60 | 333.72 | 1024.97 | 6.30 | 6.30 | -2.02 | 0.41 | 100.00 |
| 1125.00 | 0.41 | 8.66 | 1124.96 | 7.12 | 7.12 | -2.20 | 0.35 | 100.00 |
| 1153.00 | 0.45 | 341.72 | 1152.96 | 7.32 | 7.32 | -2.22 | 0.73 | 28.00 |
| 1286.00 | 0.47 | 297.24 | 1285.96 | 8.07 | 8.07 | -2.86 | 0.26 | 133.00 |
| 1378.00 | 2.22 | 265.96 | 1377.93 | 8.11 | 8.11 | -4.97 | 1.99 | 92.00 |
| 1469.00 | 4.25 | 262.29 | 1468.78 | 7.54 | 7.54 | -10.07 | 2.24 | 91.00 |
| 1561.00 | 6.52 | 248.72 | 1560.37 | 5.18 | 5.18 | -18.31 | 2.81 | 92.00 |
| 1743.00 | 7.89 | 224.86 | 1740.97 | -7.42 | -7.42 | -36.76 | 1.79 | 182.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|---------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 1835.00 | 10.48 | 230.44 | 1831.78 | -17.23 | -17.23 | -47.67 | 2.97 | 92.00 |
| 1926.00 | 12.28 | 240.08 | 1921.00 | -27.33 | -27.33 | -62.44 | 2.87 | 91.00 |
| 2018.00 | 13.59 | 251.01 | 2010.68 | -35.73 | -35.73 | -81.14 | 3.01 | 92.00 |
| 2109.00 | 15.06 | 252.72 | 2098.85 | -42.72 | -42.72 | -102.54 | 1.68 | 91.00 |
| 2201.00 | 15.44 | 247.88 | 2187.61 | -50.88 | -50.88 | -125.30 | 1.44 | 92.00 |
| 2383.00 | 15.14 | 243.68 | 2363.17 | -70.54 | -70.54 | -169.04 | 0.63 | 182.00 |
| 2475.00 | 14.16 | 240.43 | 2452.18 | -81.42 | -81.42 | -189.60 | 1.38 | 92.00 |
| 2566.00 | 12.59 | 240.60 | 2540.71 | -91.79 | -91.79 | -207.92 | 1.73 | 91.00 |
| 2658.00 | 13.51 | 244.58 | 2630.34 | -101.33 | -101.33 | -226.37 | 1.40 | 92.00 |
| 2749.00 | 12.98 | 243.16 | 2718.91 | -110.51 | -110.51 | -245.09 | 0.68 | 91.00 |
| 2840.00 | 12.75 | 250.87 | 2807.64 | -118.42 | -118.42 | -263.70 | 1.90 | 91.00 |
| 2932.00 | 13.25 | 255.39 | 2897.28 | -124.40 | -124.40 | -283.50 | 1.23 | 92.00 |
| 3026.00 | 13.33 | 255.55 | 2988.76 | -129.83 | -129.83 | -304.43 | 0.09 | 94.00 |
| 3121.00 | 13.96 | 255.81 | 3081.08 | -135.37 | -135.37 | -326.15 | 0.67 | 95.00 |
| 3215.00 | 14.98 | 253.48 | 3172.09 | -141.61 | -141.61 | -348.79 | 1.25 | 94.00 |
| 3309.00 | 14.60 | 254.90 | 3262.98 | -148.15 | -148.15 | -371.87 | 0.56 | 94.00 |
| 3403.00 | 14.47 | 253.87 | 3353.97 | -154.49 | -154.49 | -394.59 | 0.31 | 94.00 |
| 3498.00 | 14.74 | 249.19 | 3445.91 | -162.09 | -162.09 | -417.29 | 1.27 | 95.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|---------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 3592.00 | 15.20 | 245.40 | 3536.72 | -171.47 | -171.47 | -439.67 | 1.15 | 94.00 |
| 3781.00 | 12.66 | 264.81 | 3720.24 | -183.66 | -183.66 | -482.86 | 2.80 | 189.00 |
| 3875.00 | 12.25 | 258.52 | 3812.04 | -186.58 | -186.58 | -502.89 | 1.51 | 94.00 |
| 3970.00 | 14.50 | 257.34 | 3904.45 | -191.19 | -191.19 | -524.37 | 2.39 | 95.00 |
| 4064.00 | 13.82 | 259.17 | 3995.60 | -195.88 | -195.88 | -546.88 | 0.87 | 94.00 |
| 4158.00 | 10.81 | 251.87 | 4087.43 | -200.74 | -200.74 | -566.28 | 3.60 | 94.00 |
| 4347.00 | 9.71 | 257.31 | 4273.41 | -209.75 | -209.75 | -598.67 | 0.77 | 189.00 |
| 4441.00 | 6.14 | 251.07 | 4366.50 | -213.12 | -213.12 | -611.16 | 3.90 | 94.00 |
| 4630.00 | 4.07 | 247.00 | 4554.74 | -219.02 | -219.02 | -626.90 | 1.11 | 189.00 |
| 4724.00 | 4.69 | 267.53 | 4648.47 | -220.49 | -220.49 | -633.81 | 1.78 | 94.00 |
| 4819.00 | 6.04 | 265.79 | 4743.05 | -221.03 | -221.03 | -642.68 | 1.43 | 95.00 |
| 4913.00 | 7.60 | 261.82 | 4836.39 | -222.27 | -222.27 | -653.77 | 1.73 | 94.00 |
| 5102.00 | 4.31 | 277.99 | 5024.35 | -223.07 | -223.07 | -673.18 | 1.94 | 189.00 |
| 5290.00 | 2.76 | 273.12 | 5211.99 | -221.84 | -221.84 | -684.70 | 0.84 | 188.00 |
| 5384.00 | 1.82 | 274.60 | 5305.91 | -221.59 | -221.59 | -688.44 | 1.00 | 94.00 |
| 5478.00 | 0.93 | 282.40 | 5399.89 | -221.31 | -221.31 | -690.67 | 0.96 | 94.00 |
| 5667.00 | 0.50 | 277.80 | 5588.87 | -220.87 | -220.87 | -692.99 | 0.23 | 189.00 |
| 5856.00 | 0.42 | 59.60 | 5777.87 | -220.41 | -220.41 | -693.21 | 0.46 | 189.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|---------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 6139.00 | 2.01 | 351.18 | 6060.80 | -215.00 | -215.00 | -693.09 | 0.67 | 283.00 |
| 6233.00 | 1.15 | 229.76 | 6154.78 | -213.98 | -213.98 | -694.06 | 2.96 | 94.00 |
| 6422.00 | 0.81 | 217.67 | 6343.76 | -216.26 | -216.26 | -696.32 | 0.21 | 189.00 |
| 6516.00 | 0.81 | 205.76 | 6437.75 | -217.38 | -217.38 | -697.01 | 0.18 | 94.00 |
| 6611.00 | 0.71 | 216.18 | 6532.74 | -218.45 | -218.45 | -697.65 | 0.18 | 95.00 |
| 6705.00 | 0.82 | 226.33 | 6626.73 | -219.38 | -219.38 | -698.47 | 0.19 | 94.00 |
| 6800.00 | 0.76 | 239.28 | 6721.72 | -220.18 | -220.18 | -699.51 | 0.20 | 95.00 |
| 6894.00 | 0.67 | 238.70 | 6815.71 | -220.78 | -220.78 | -700.51 | 0.10 | 94.00 |
| 6988.00 | 0.77 | 293.96 | 6909.71 | -220.81 | -220.81 | -701.56 | 0.72 | 94.00 |
| 7082.00 | 7.88 | 8.93 | 7003.40 | -214.18 | -214.18 | -701.14 | 8.20 | 94.00 |
| 7177.00 | 11.82 | 5.45 | 7096.98 | -198.06 | -198.06 | -699.21 | 4.19 | 95.00 |
| 7224.00 | 15.57 | 6.04 | 7142.64 | -186.99 | -186.99 | -698.09 | 7.99 | 47.00 |
| 7271.00 | 18.19 | 7.45 | 7187.61 | -173.45 | -173.45 | -696.47 | 5.64 | 47.00 |
| 7365.00 | 26.22 | 1.66 | 7274.58 | -138.08 | -138.08 | -693.96 | 8.85 | 94.00 |
| 7412.00 | 31.35 | 356.77 | 7315.77 | -115.48 | -115.48 | -694.35 | 12.01 | 47.00 |
| 7460.00 | 34.90 | 356.78 | 7355.96 | -89.30 | -89.30 | -695.83 | 7.39 | 48.00 |
| 7491.00 | 37.19 | 357.99 | 7381.02 | -71.08 | -71.08 | -696.65 | 7.74 | 31.00 |
| 7554.00 | 44.72 | 358.66 | 7428.57 | -29.83 | -29.83 | -697.84 | 11.97 | 63.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|---------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 7648.00 | 59.66 | 357.53 | 7486.03 | 44.18 | 44.18 | -700.37 | 15.93 | 94.00 |
| 7695.00 | 64.25 | 358.24 | 7508.12 | 85.62 | 85.62 | -701.90 | 9.84 | 47.00 |
| 7742.00 | 69.21 | 359.42 | 7526.69 | 128.77 | 128.77 | -702.77 | 10.81 | 47.00 |
| 7789.00 | 72.74 | 359.87 | 7542.01 | 173.20 | 173.20 | -703.04 | 7.57 | 47.00 |
| 7837.00 | 76.32 | 359.85 | 7554.81 | 219.45 | 219.45 | -703.16 | 7.44 | 48.00 |
| 7884.00 | 79.61 | 359.90 | 7564.61 | 265.41 | 265.41 | -703.26 | 7.01 | 47.00 |
| 7907.00 | 82.23 | 359.37 | 7568.24 | 288.12 | 288.12 | -703.40 | 11.60 | 23.00 |
| 7969.00 | 88.16 | 359.41 | 7573.43 | 349.87 | 349.87 | -704.06 | 9.56 | 62.00 |
| 8138.00 | 88.76 | 359.97 | 7577.98 | 518.81 | 518.81 | -704.97 | 0.49 | 169.00 |
| 8327.00 | 91.11 | 1.68 | 7578.20 | 707.77 | 707.77 | -702.24 | 1.54 | 189.00 |
| 8421.00 | 90.81 | 1.18 | 7576.63 | 801.72 | 801.72 | -699.89 | 0.62 | 94.00 |
| 8516.00 | 90.34 | 0.25 | 7575.68 | 896.71 | 896.71 | -698.70 | 1.10 | 95.00 |
| 8610.00 | 91.88 | 1.13 | 7573.86 | 990.68 | 990.68 | -697.57 | 1.89 | 94.00 |
| 8704.00 | 91.45 | 0.97 | 7571.14 | 1084.63 | 1084.63 | -695.85 | 0.49 | 94.00 |
| 8798.00 | 90.84 | 0.31 | 7569.26 | 1178.60 | 1178.60 | -694.80 | 0.95 | 94.00 |
| 8893.00 | 90.37 | 359.33 | 7568.26 | 1273.59 | 1273.59 | -695.10 | 1.14 | 95.00 |
| 8987.00 | 89.33 | 356.97 | 7568.51 | 1367.54 | 1367.54 | -698.13 | 2.75 | 94.00 |
| 9175.00 | 91.71 | 0.28 | 7566.81 | 1555.44 | 1555.44 | -702.65 | 2.17 | 188.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|----------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 9270.00 | 90.74 | 359.18 | 7564.78 | 1650.41 | 1650.41 | -703.09 | 1.54 | 95.00 |
| 9364.00 | 90.24 | 358.42 | 7563.98 | 1744.39 | 1744.39 | -705.06 | 0.97 | 94.00 |
| 9647.00 | 89.63 | 358.53 | 7564.31 | 2027.28 | 2027.28 | -712.59 | 0.22 | 283.00 |
| 9742.00 | 91.11 | 359.12 | 7563.70 | 2122.26 | 2122.26 | -714.53 | 1.68 | 95.00 |
| 9930.00 | 91.31 | 359.34 | 7559.73 | 2310.20 | 2310.20 | -717.06 | 0.16 | 188.00 |
| 10025.00 | 89.90 | 359.15 | 7558.73 | 2405.18 | 2405.18 | -718.31 | 1.50 | 95.00 |
| 10119.00 | 89.80 | 358.63 | 7558.97 | 2499.17 | 2499.17 | -720.13 | 0.56 | 94.00 |
| 10213.00 | 90.50 | 359.65 | 7558.73 | 2593.15 | 2593.15 | -721.54 | 1.32 | 94.00 |
| 10307.00 | 90.07 | 358.62 | 7558.26 | 2687.14 | 2687.14 | -722.96 | 1.19 | 94.00 |
| 10402.00 | 90.17 | 357.75 | 7558.06 | 2782.09 | 2782.09 | -725.98 | 0.92 | 95.00 |
| 10590.00 | 89.56 | 358.99 | 7558.50 | 2970.01 | 2970.01 | -731.32 | 0.74 | 188.00 |
| 10685.00 | 88.83 | 357.57 | 7559.84 | 3064.95 | 3064.95 | -734.17 | 1.69 | 95.00 |
| 10779.00 | 89.23 | 0.04 | 7561.43 | 3158.91 | 3158.91 | -736.13 | 2.66 | 94.00 |
| 10873.00 | 89.80 | 0.05 | 7562.23 | 3252.91 | 3252.91 | -736.06 | 0.61 | 94.00 |
| 11062.00 | 90.97 | 1.26 | 7560.96 | 3441.89 | 3441.89 | -733.89 | 0.89 | 189.00 |
| 11156.00 | 91.17 | 1.84 | 7559.20 | 3535.83 | 3535.83 | -731.35 | 0.65 | 94.00 |
| 11251.00 | 91.82 | 1.60 | 7556.72 | 3630.76 | 3630.76 | -728.50 | 0.72 | 95.00 |
| 11345.00 | 90.98 | 1.02 | 7554.43 | 3724.71 | 3724.71 | -726.36 | 1.09 | 94.00 |

| MD | Inc | Azim | TVD | VS | +N/-S | +E/-W | DLS | Course Length |
|----------|-------|--------|---------|---------|---------|---------|---------|---------------|
| ft | deg | deg | ft | ft | ft | ft | °/100ft | ft |
| 11533.00 | 90.07 | 1.06 | 7552.72 | 3912.66 | 3912.66 | -722.95 | 0.48 | 188.00 |
| 11628.00 | 89.73 | 0.82 | 7552.89 | 4007.65 | 4007.65 | -721.39 | 0.44 | 95.00 |
| 11722.00 | 89.87 | 0.40 | 7553.22 | 4101.65 | 4101.65 | -720.39 | 0.46 | 94.00 |
| 11816.00 | 89.60 | 0.24 | 7553.66 | 4195.64 | 4195.64 | -719.86 | 0.33 | 94.00 |
| 11910.00 | 89.53 | 359.25 | 7554.37 | 4289.64 | 4289.64 | -720.28 | 1.06 | 94.00 |
| 12099.00 | 90.10 | 358.62 | 7554.98 | 4478.60 | 4478.60 | -723.81 | 0.45 | 189.00 |
| 12193.00 | 90.13 | 357.49 | 7554.79 | 4572.55 | 4572.55 | -727.00 | 1.20 | 94.00 |
| 12287.00 | 89.73 | 357.21 | 7554.90 | 4666.45 | 4666.45 | -731.35 | 0.52 | 94.00 |
| 12382.00 | 89.73 | 356.02 | 7555.34 | 4761.28 | 4761.28 | -736.96 | 1.26 | 95.00 |

5" = 100' FEET TVD