HALLIBURTON

Sperry Drilling Services

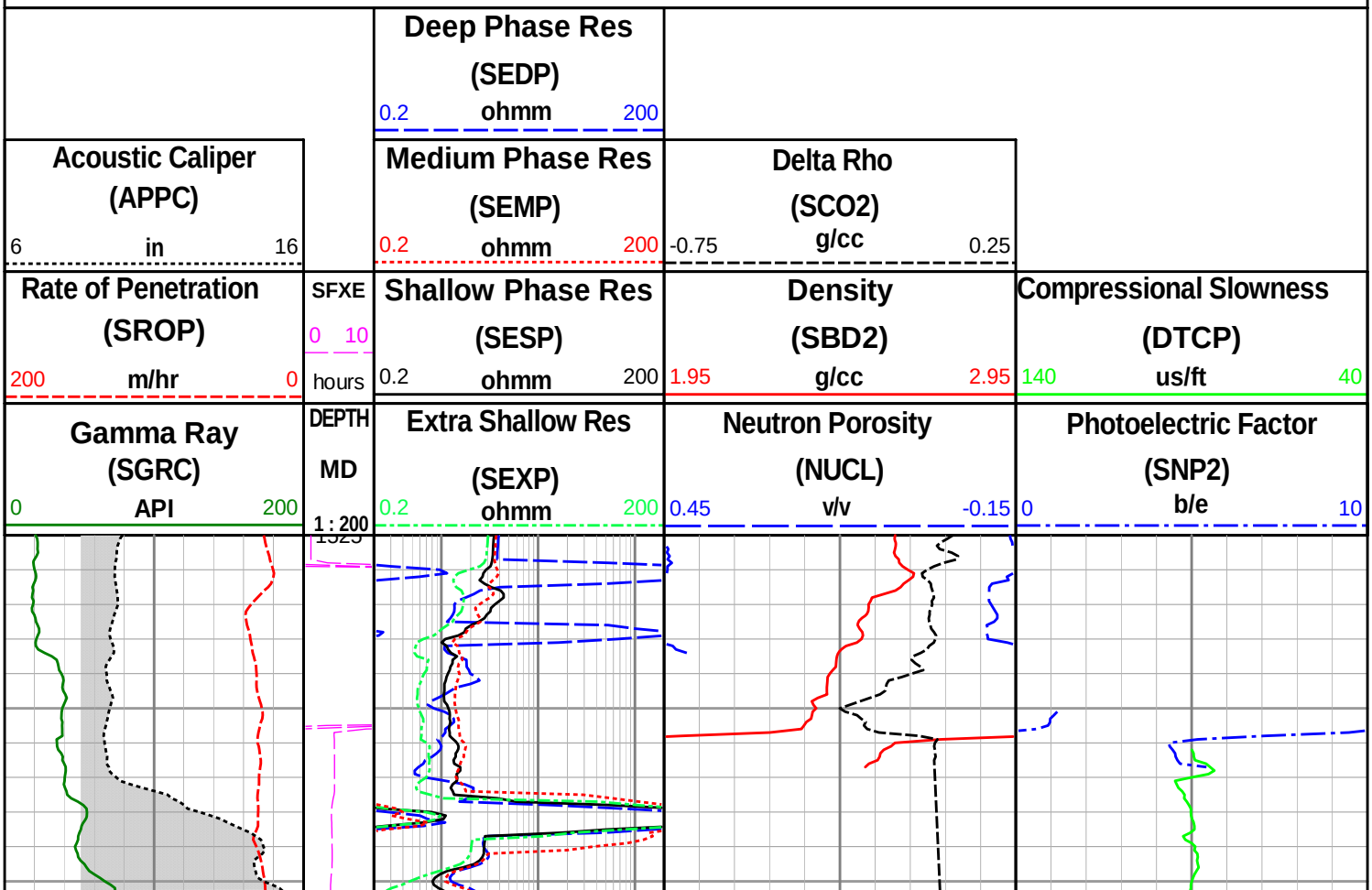
# Dory-1
# Apache Energy Ltd

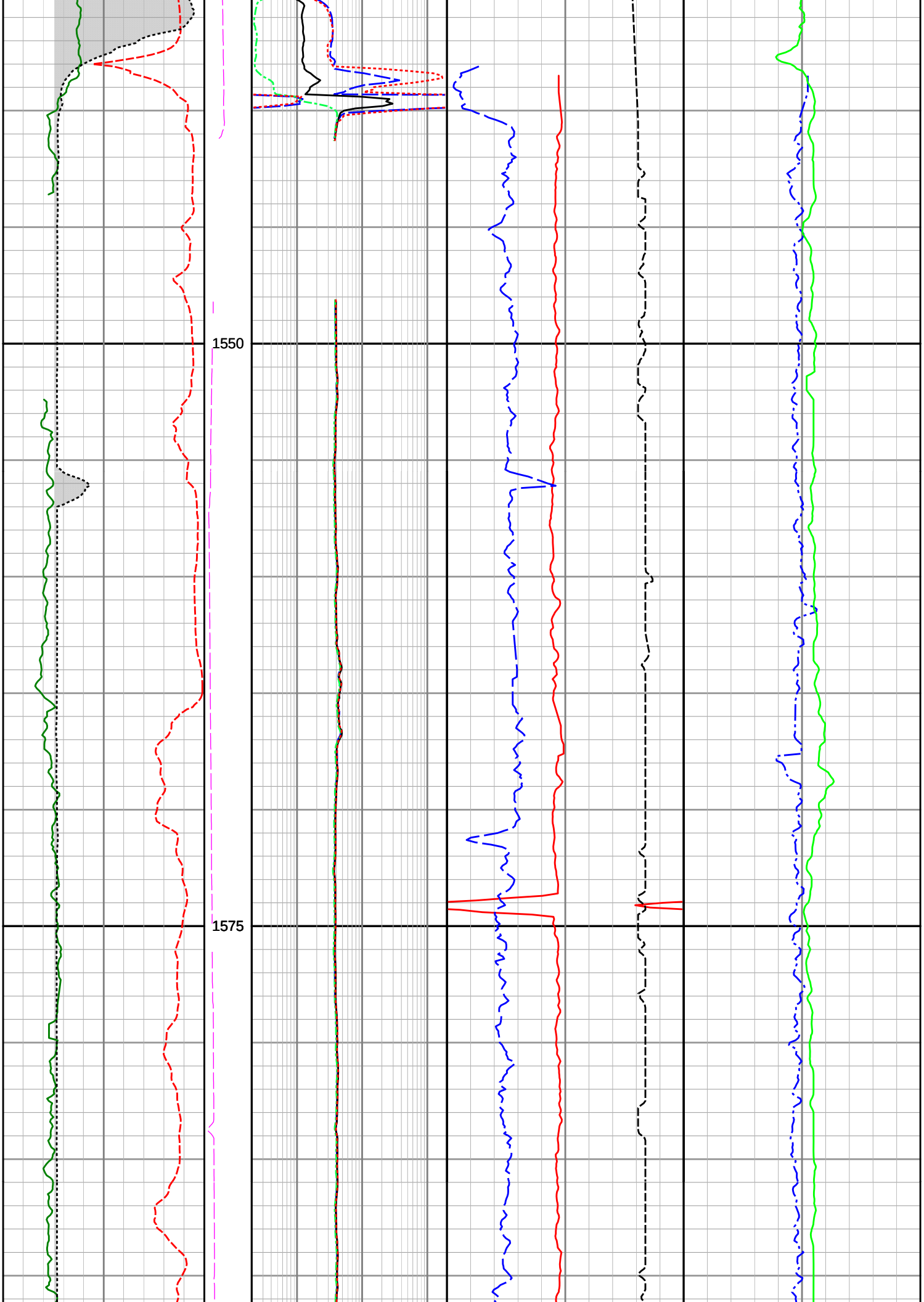
## LWD Recorded Data - Field Data
## 216mm Hole Section

Environmental Parameters:

Hole Size = 216mm, Tool Size = 171mm
Mud Type = Water Based
MW = 1.15 sg
Formation Salinity = 25,000 ppm Cl
Mud Salinity = 48700 - 52100 ppm Cl
Matrix Density = 2.71 g/cc
Fluid Density = 1.00 g/cc
Rm = 0.09 ohmm @ 24.4°C
Rmf = 0.07 ohmm @ 23.9°C
Rmc = 0.13 ohmm @ 21.1°C

Remarks:
1. Gamma Ray and Neutron Porosity have been environmentally corrected using the listed parameters where appropriate, and processed using borehole size from ACAL tool.
2. Depth sensor changed from geolograph to draw-works encoder for interval from 1556 - 2258 mMDRT. This does not account for movement of the top drive compensator.
3. Data gap from 1545 - 1553 mMDRT due to geolograph line failure.

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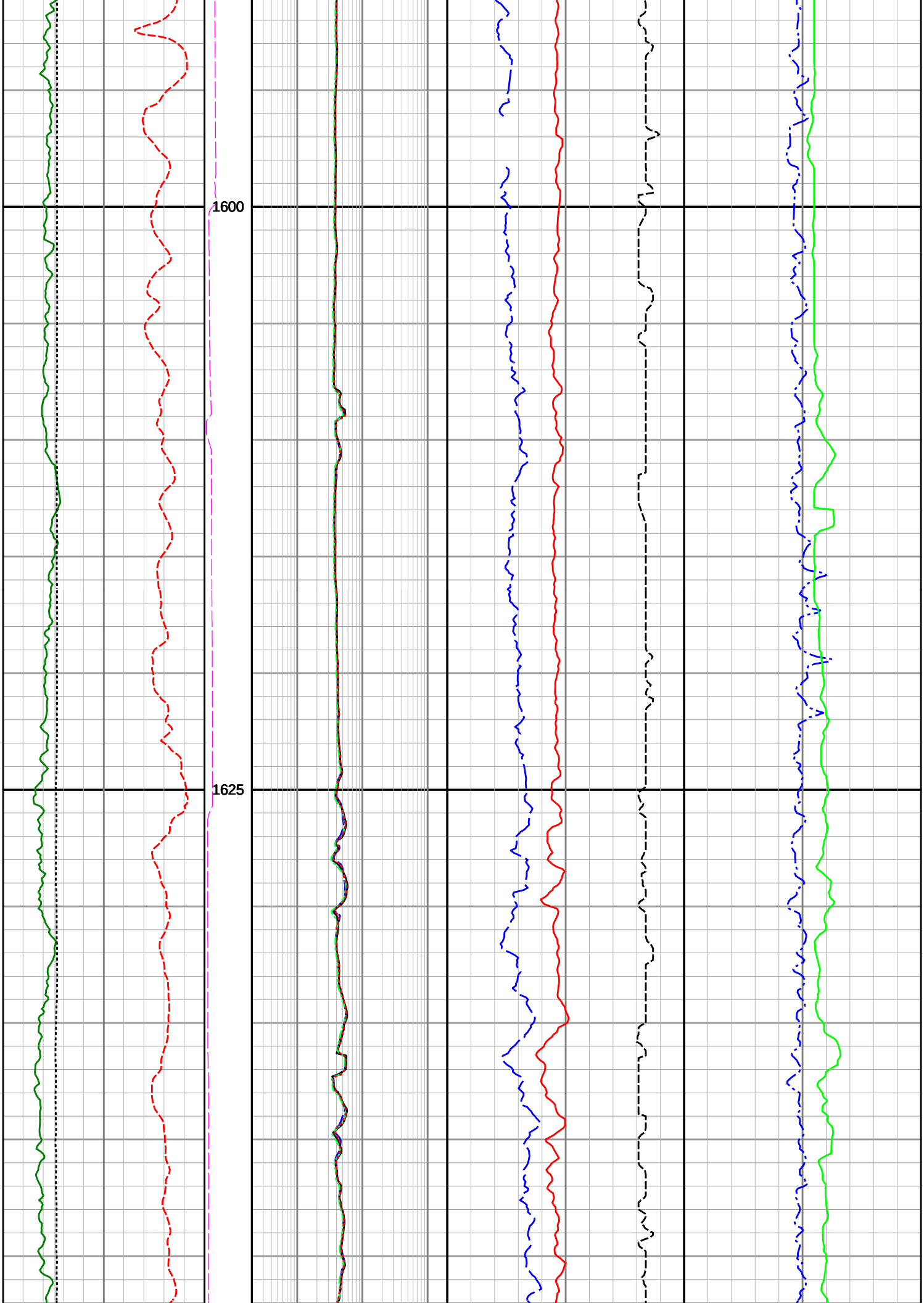
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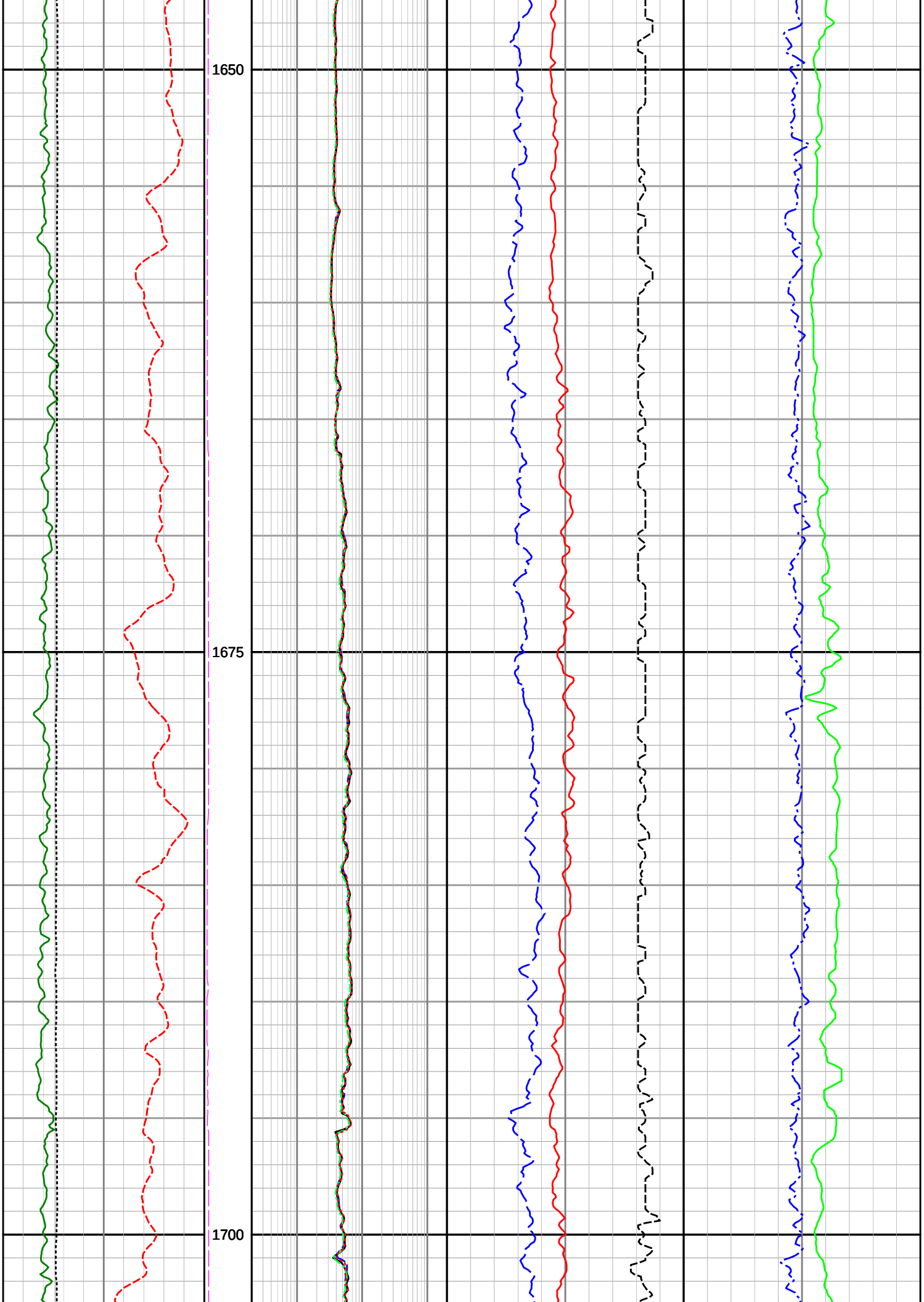
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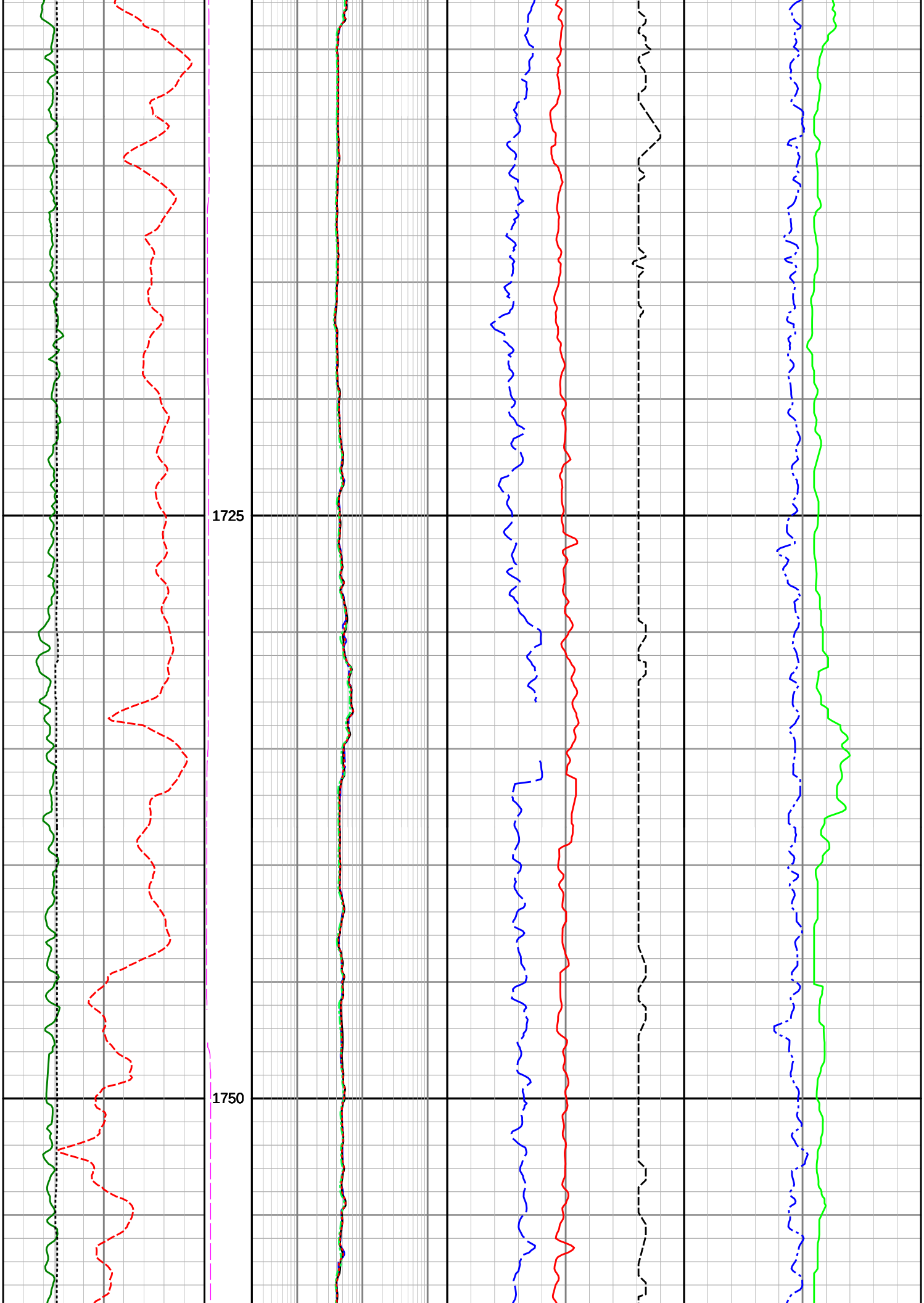
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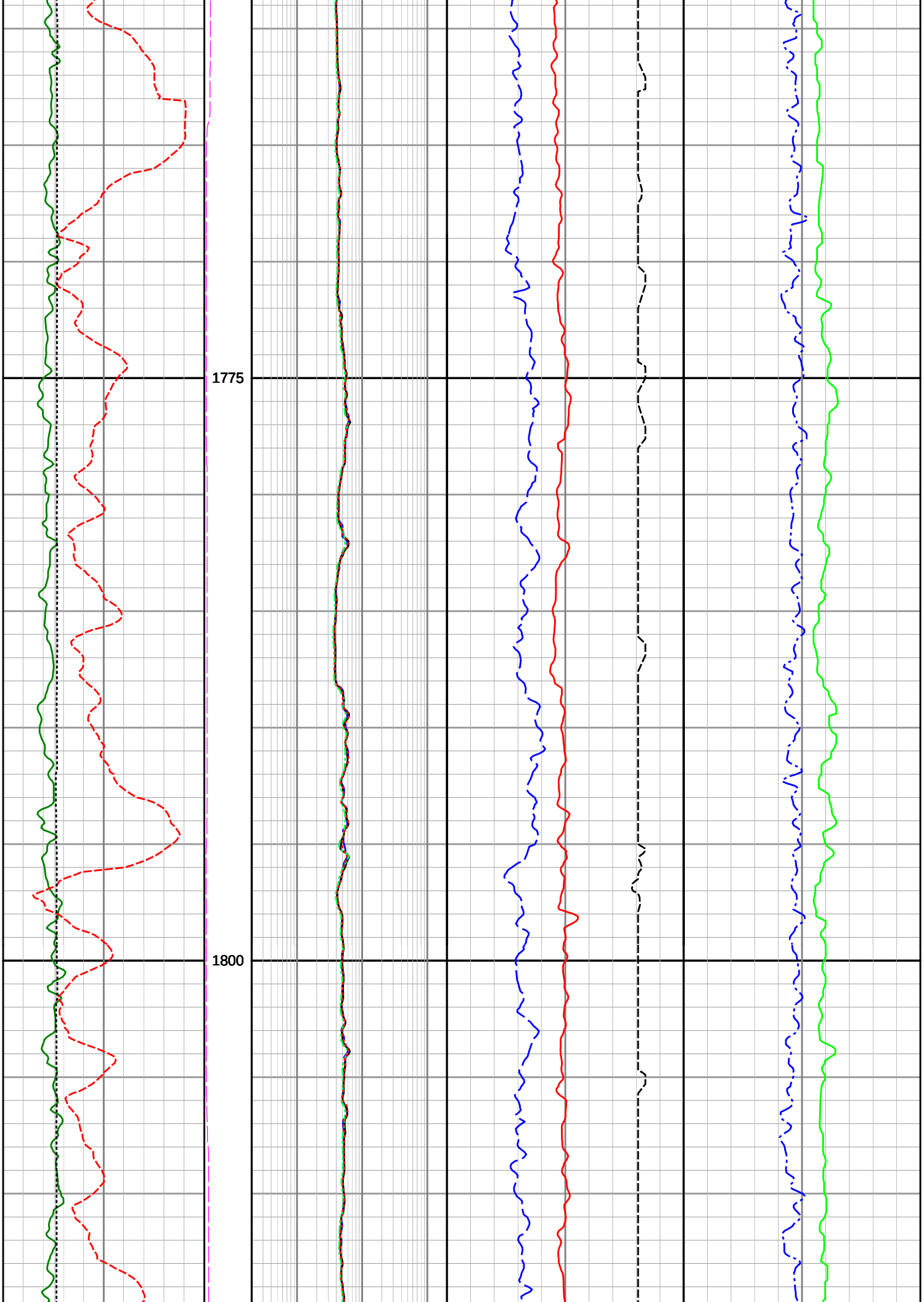
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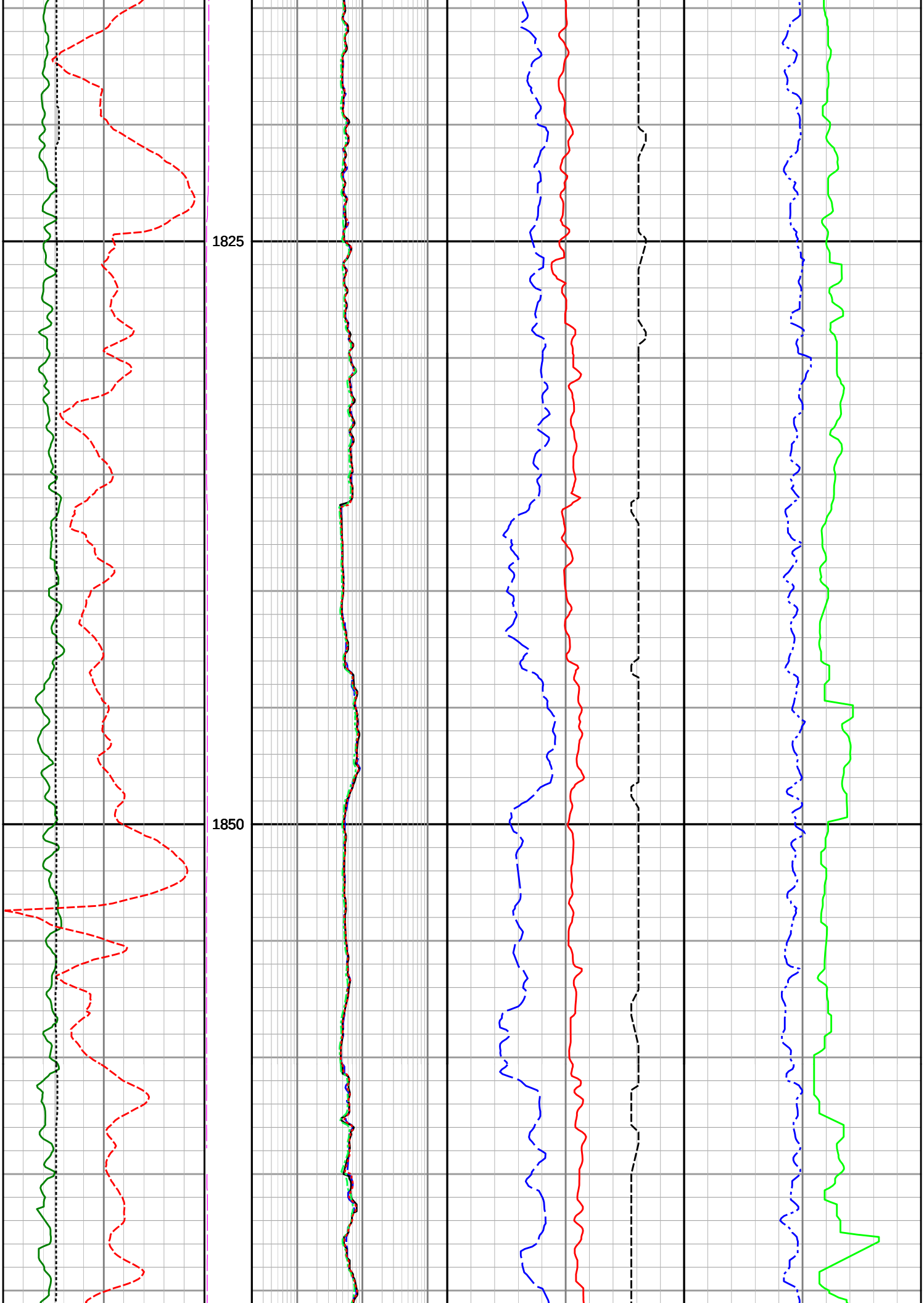
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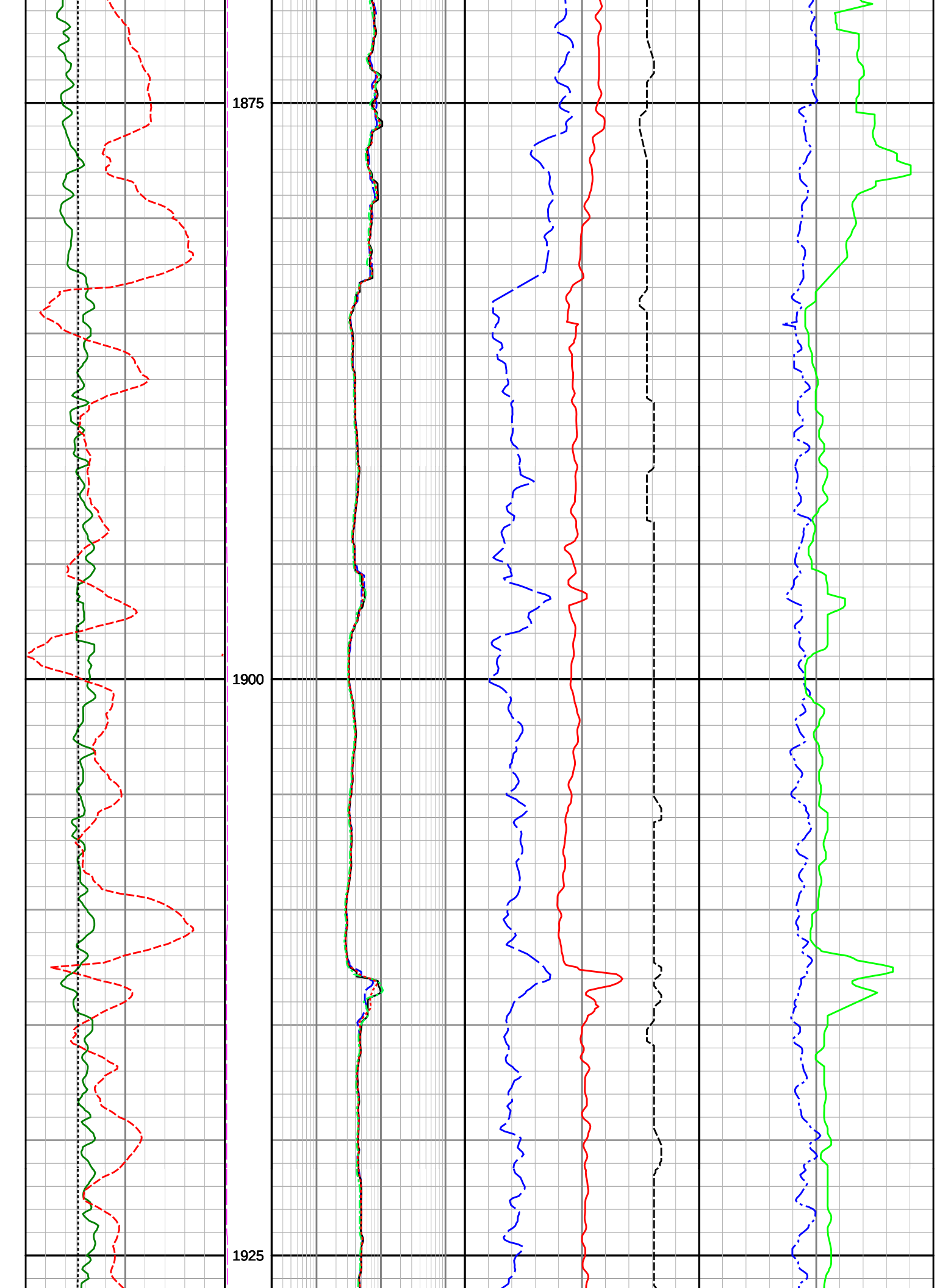
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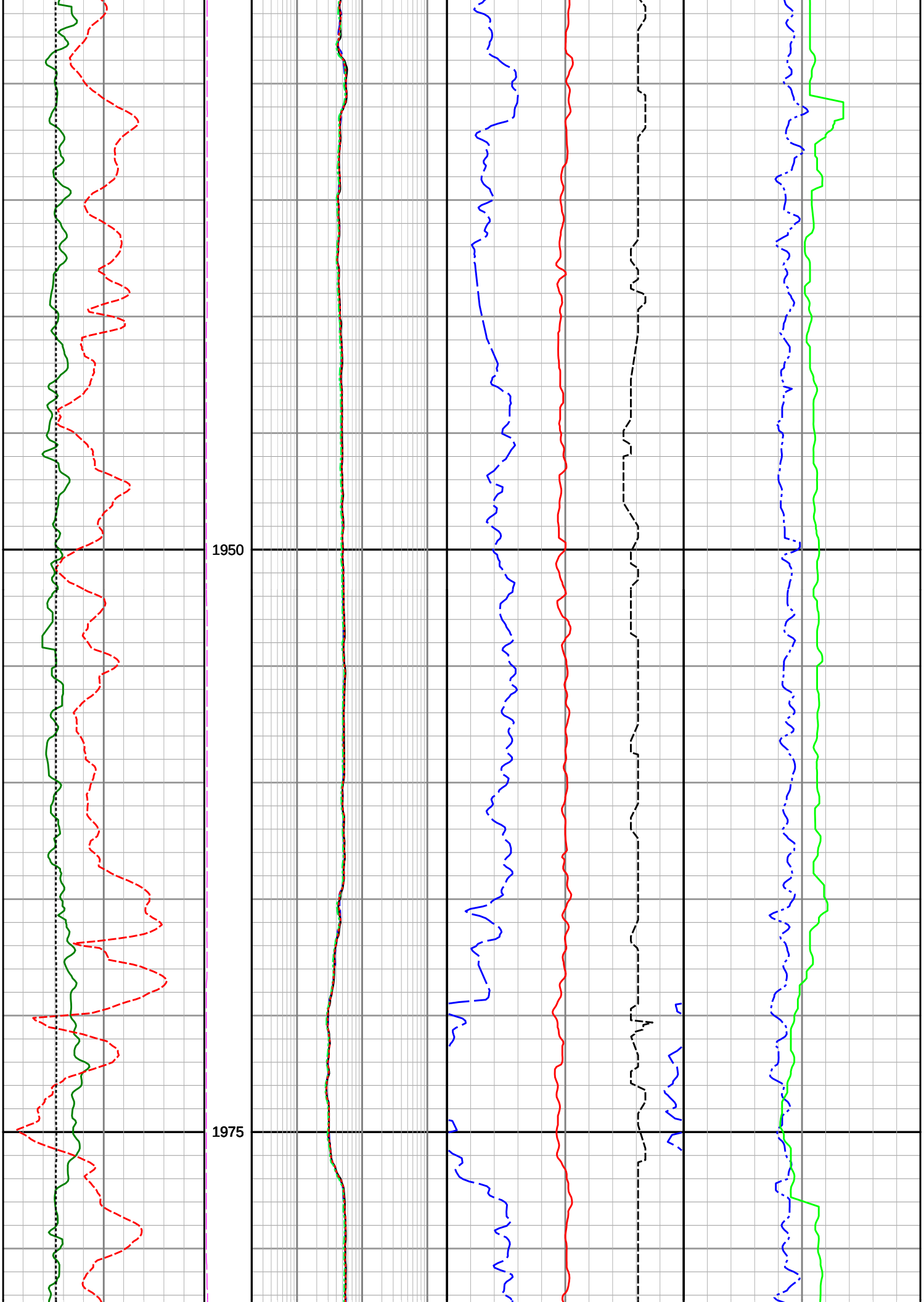
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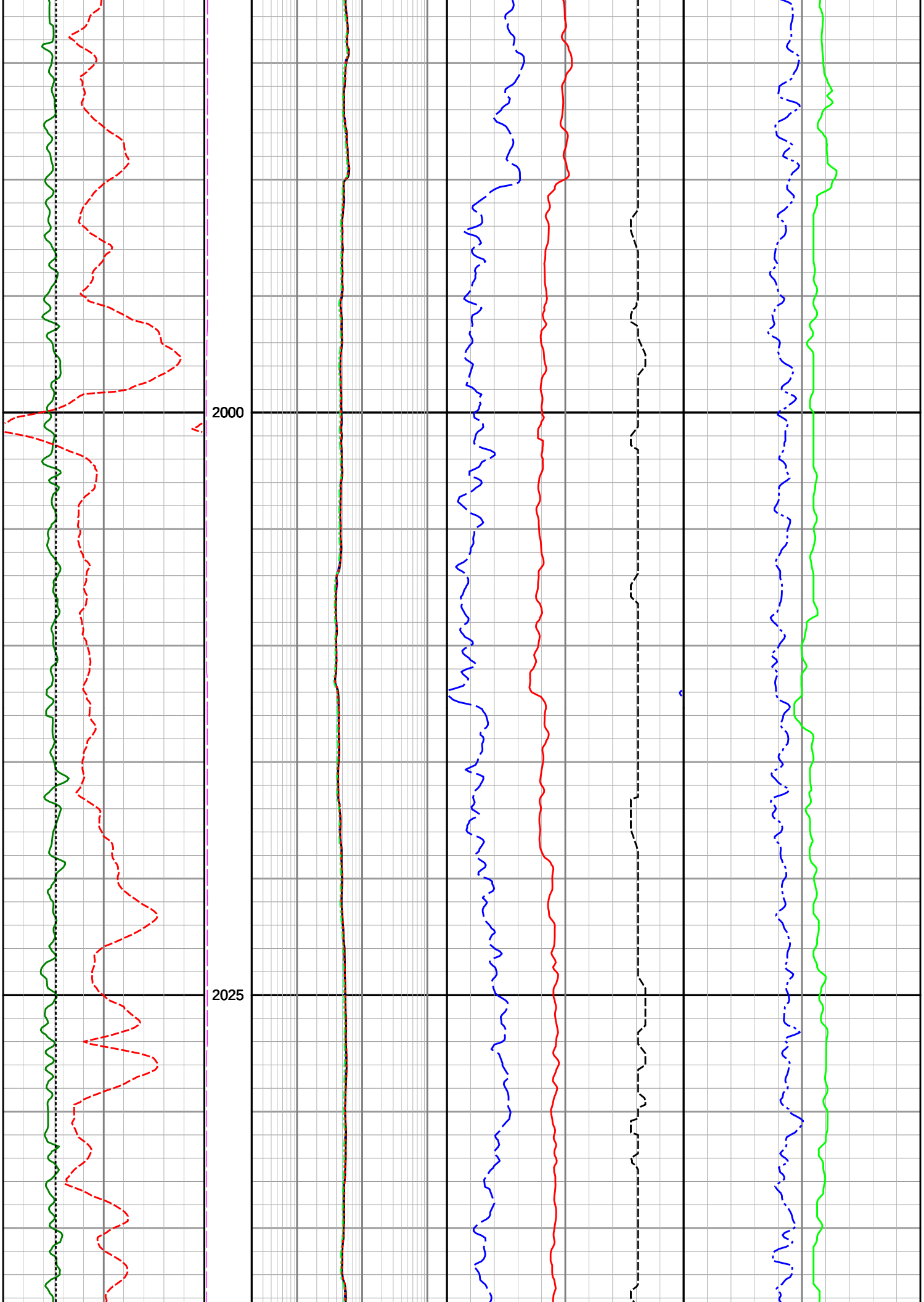
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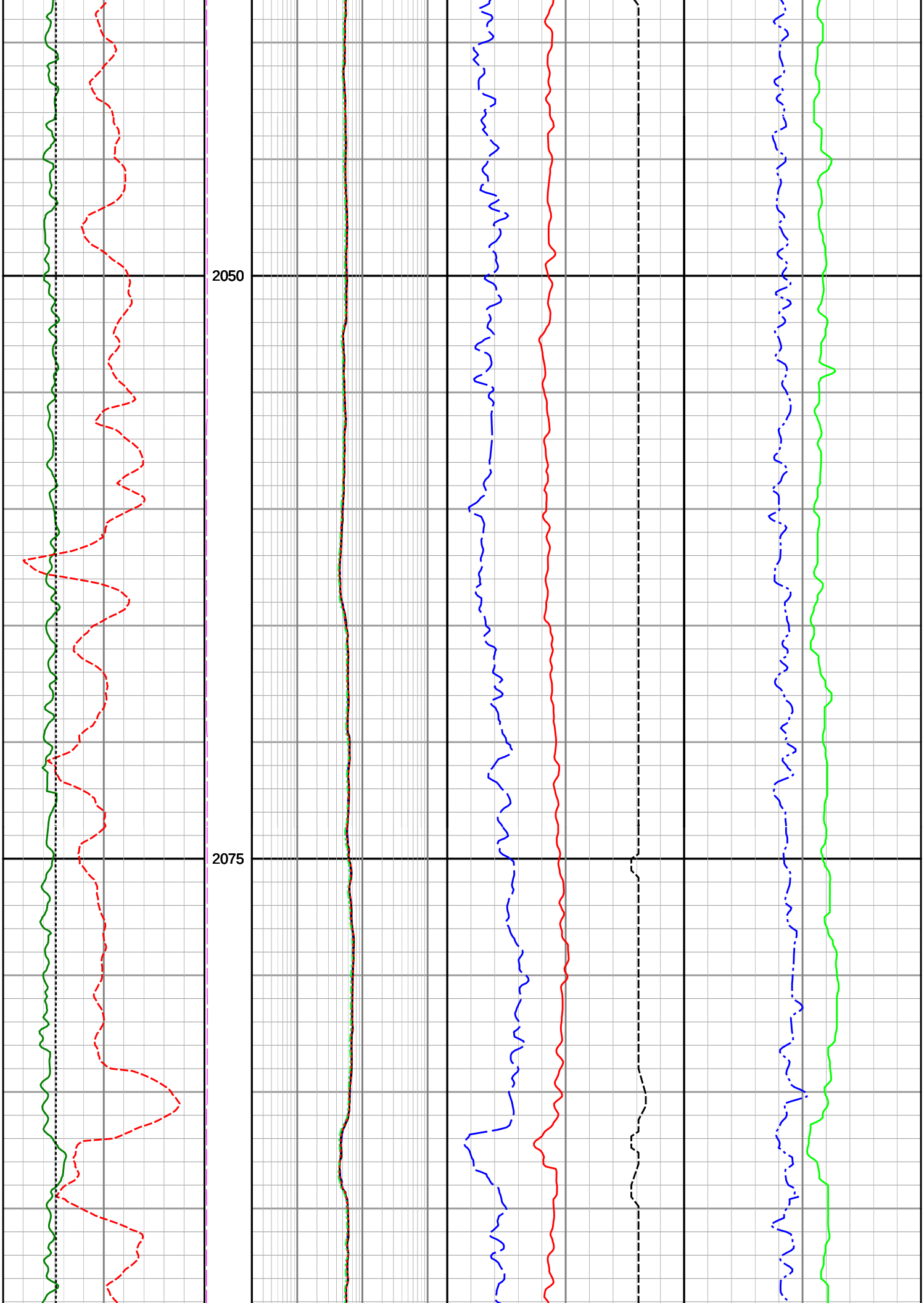
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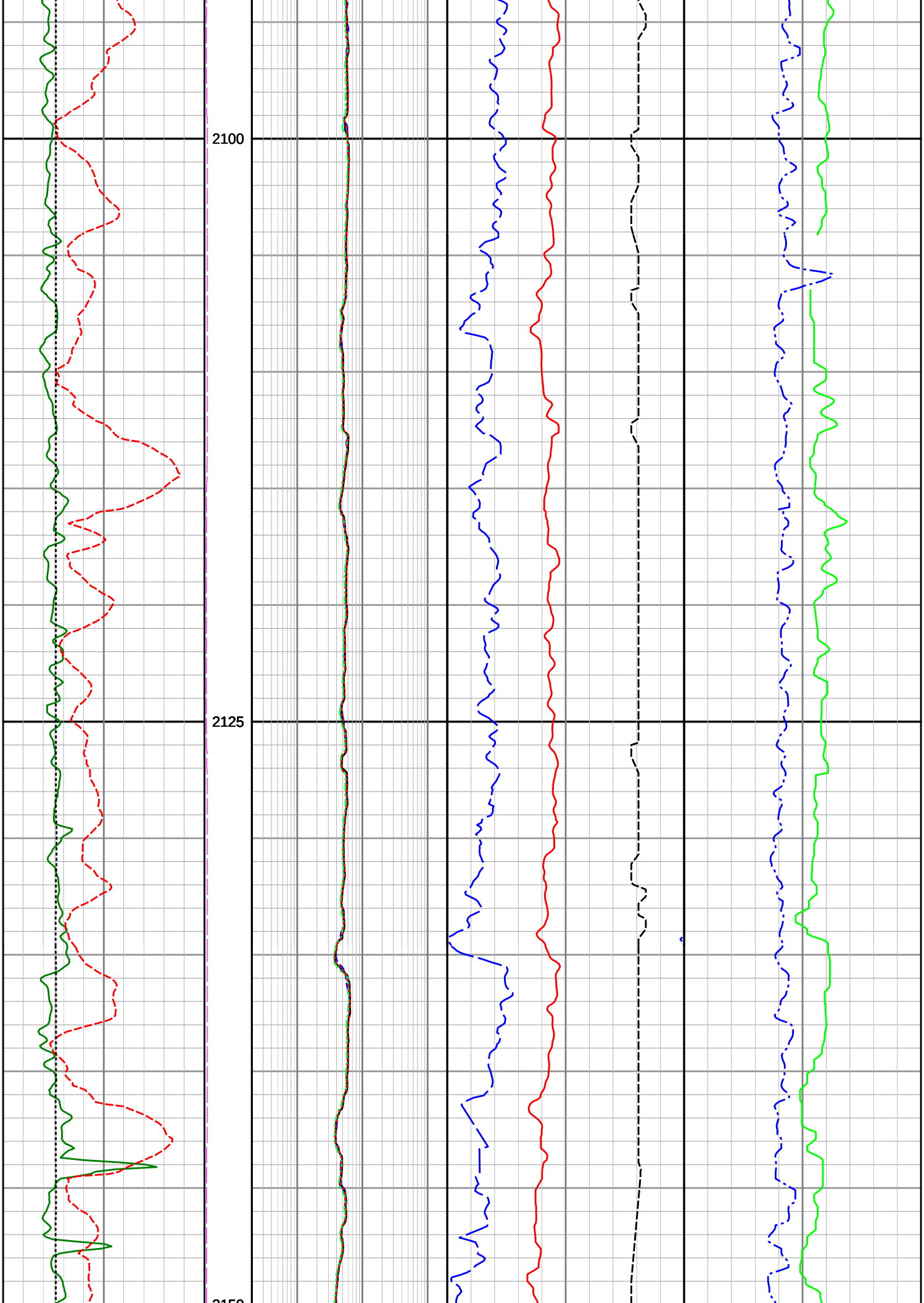
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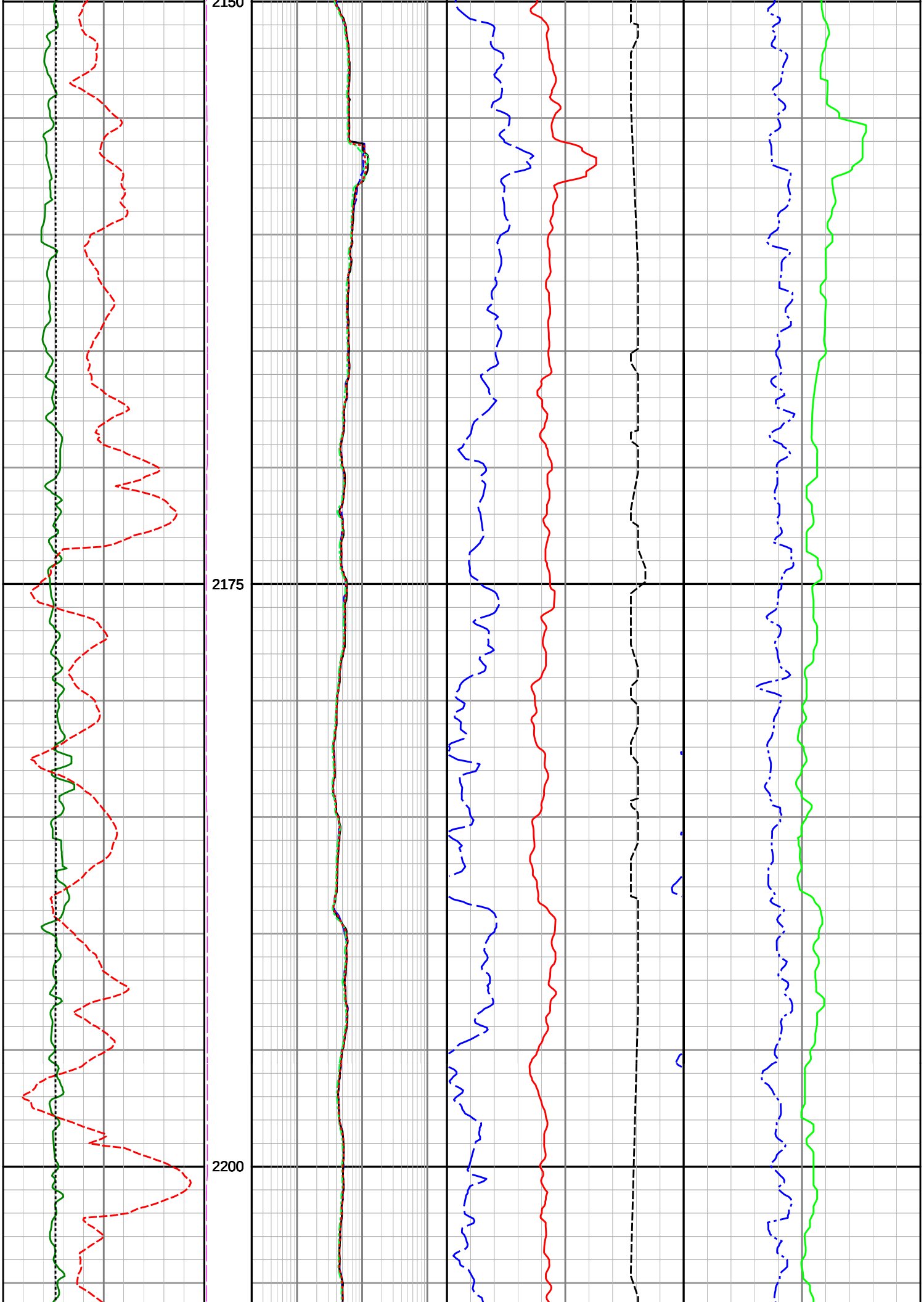
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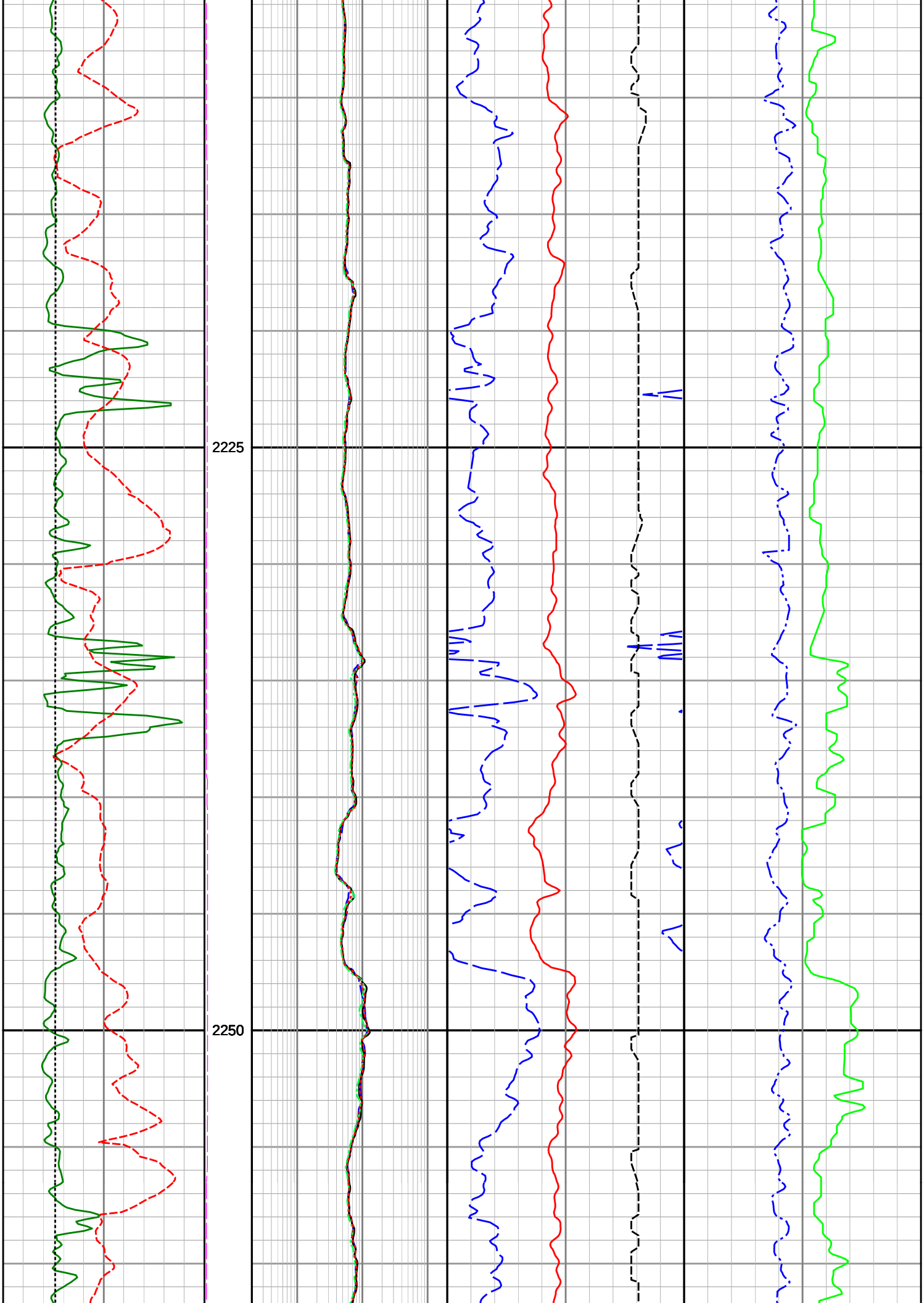
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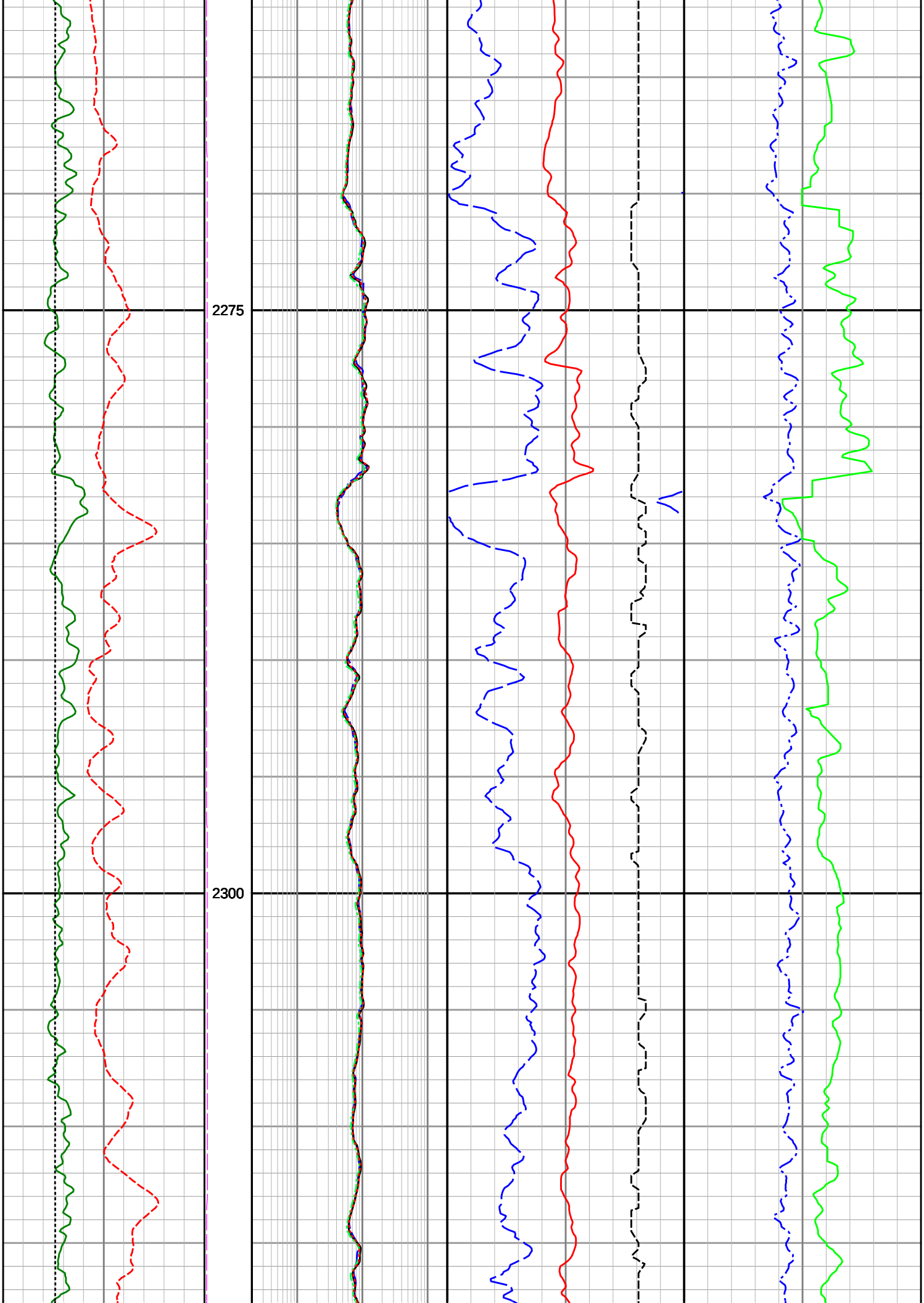
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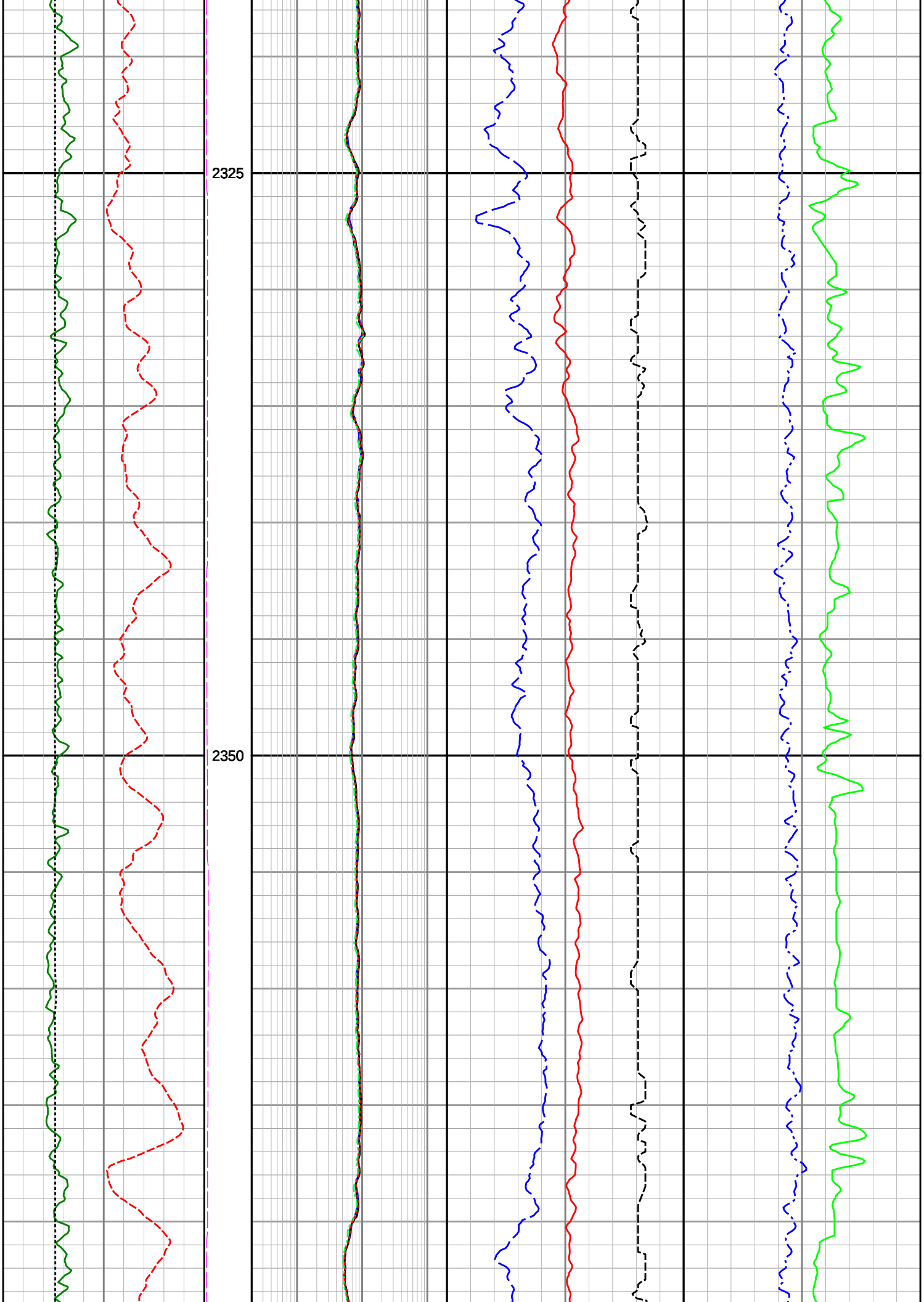
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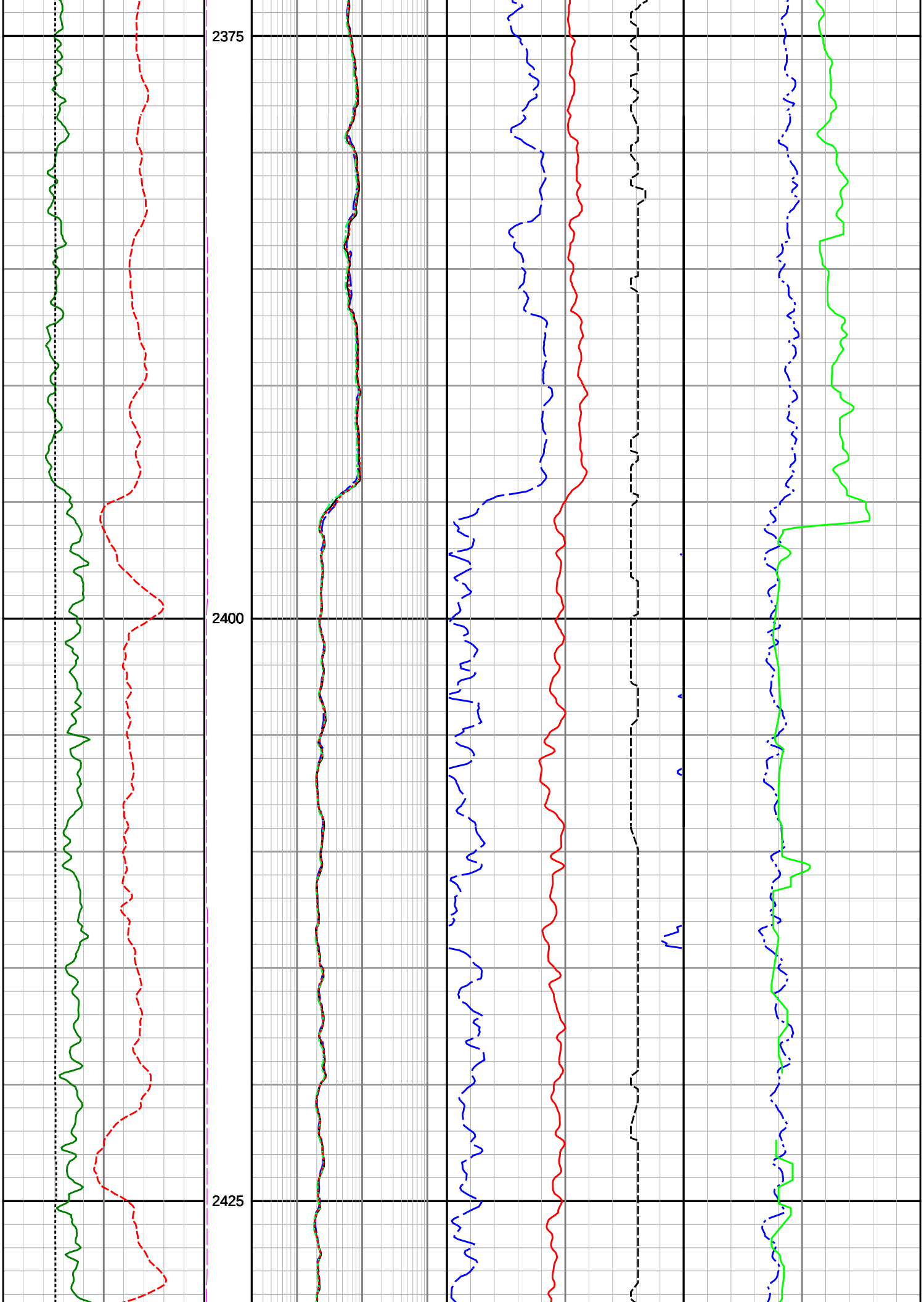
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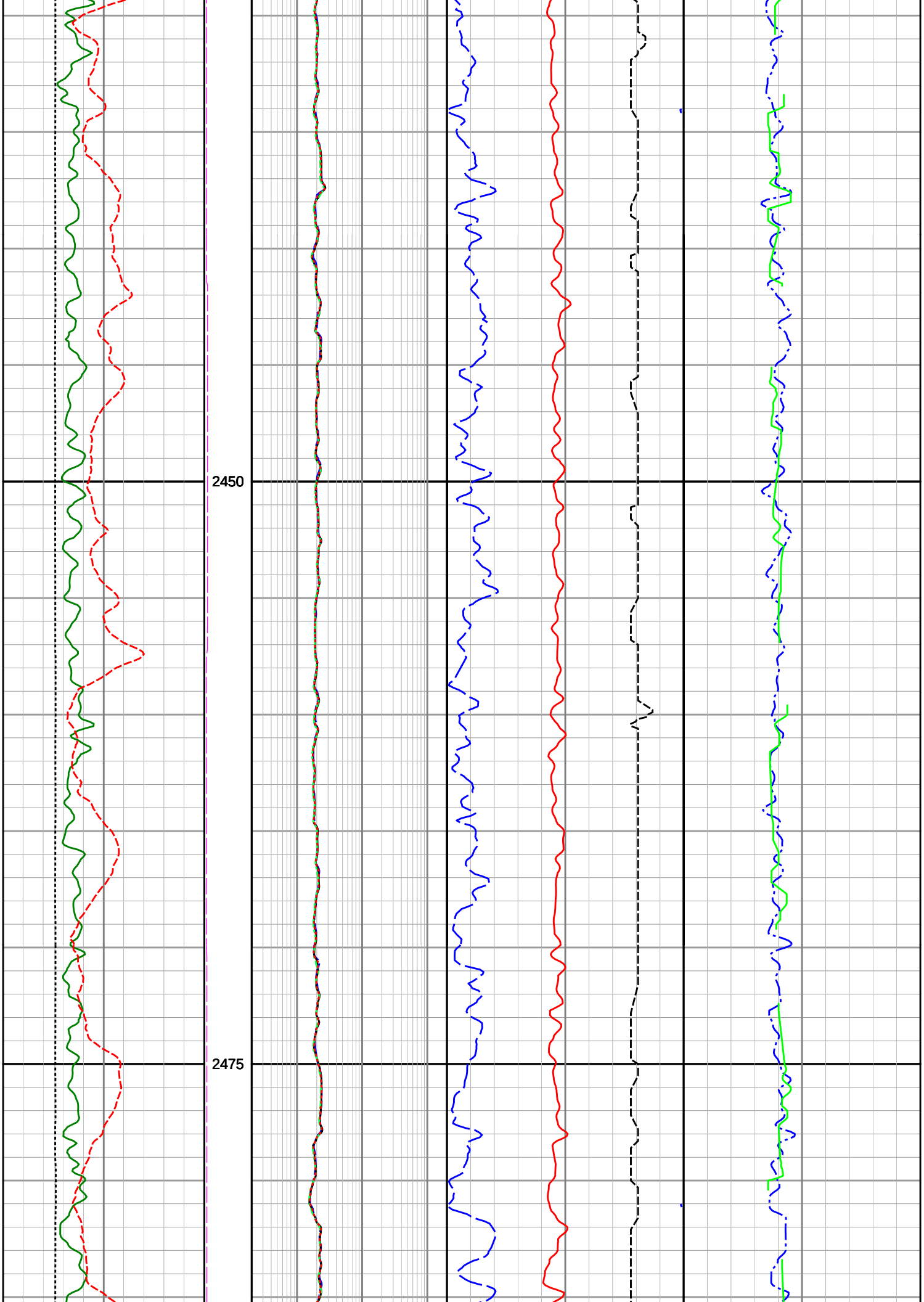
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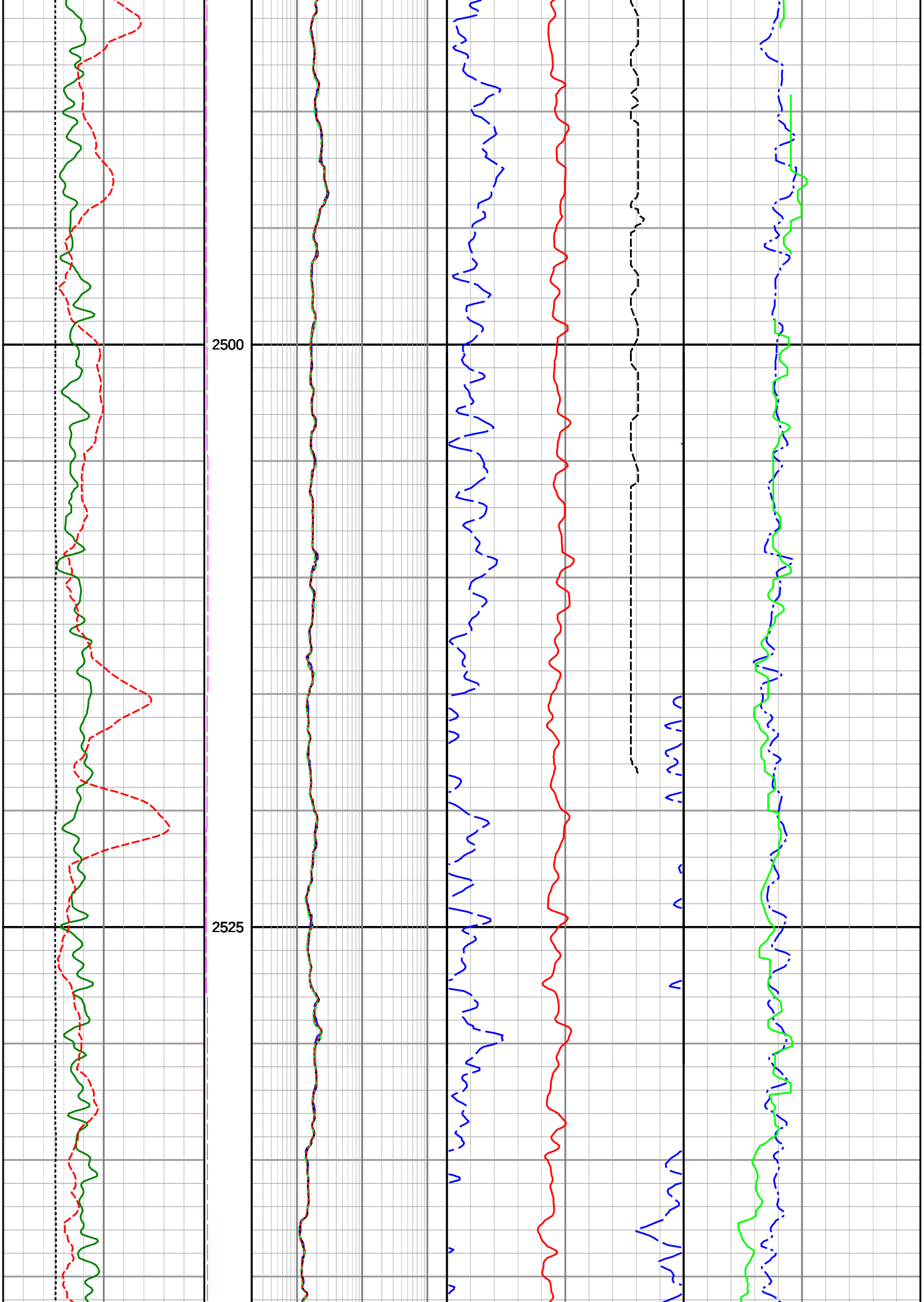
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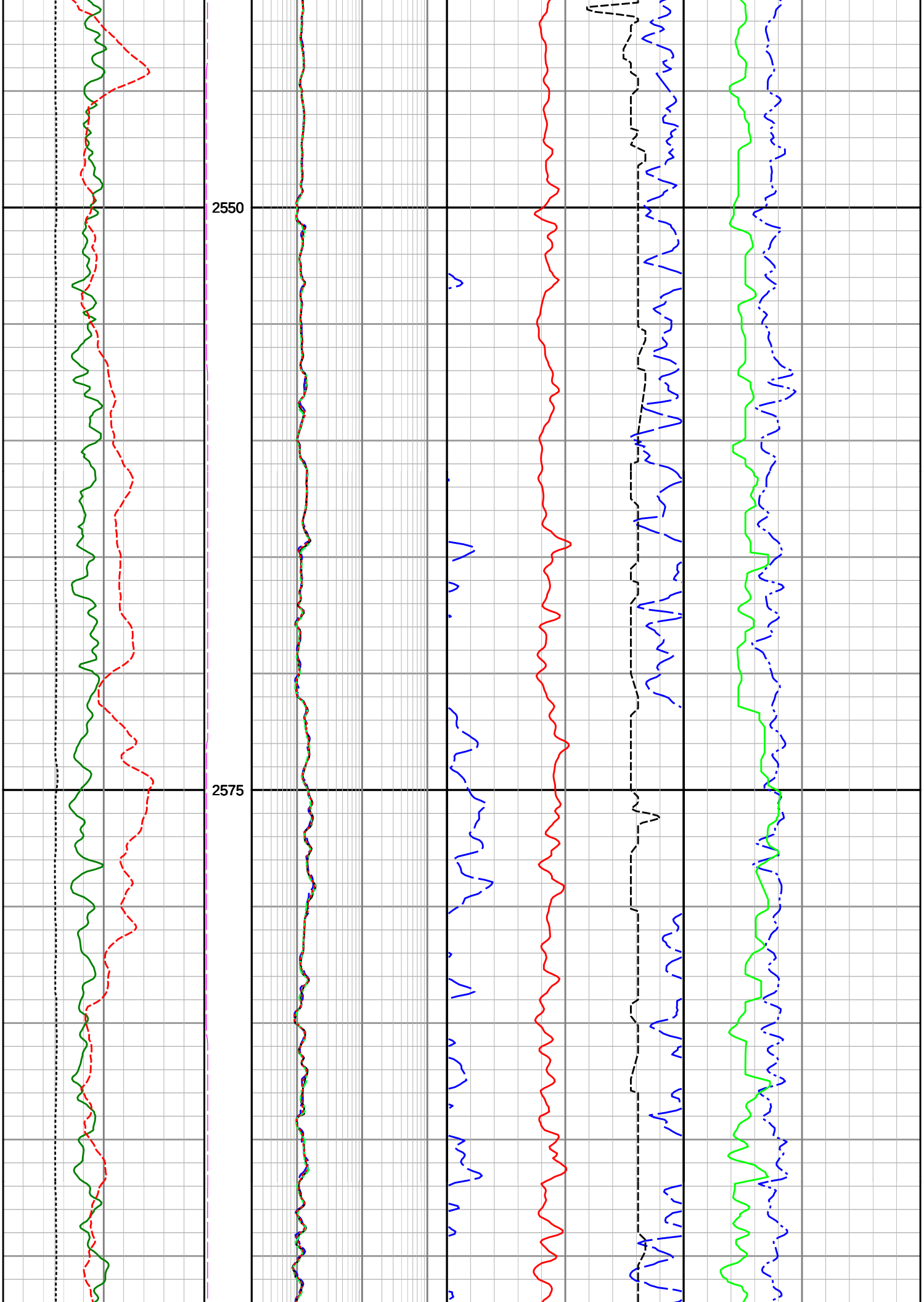
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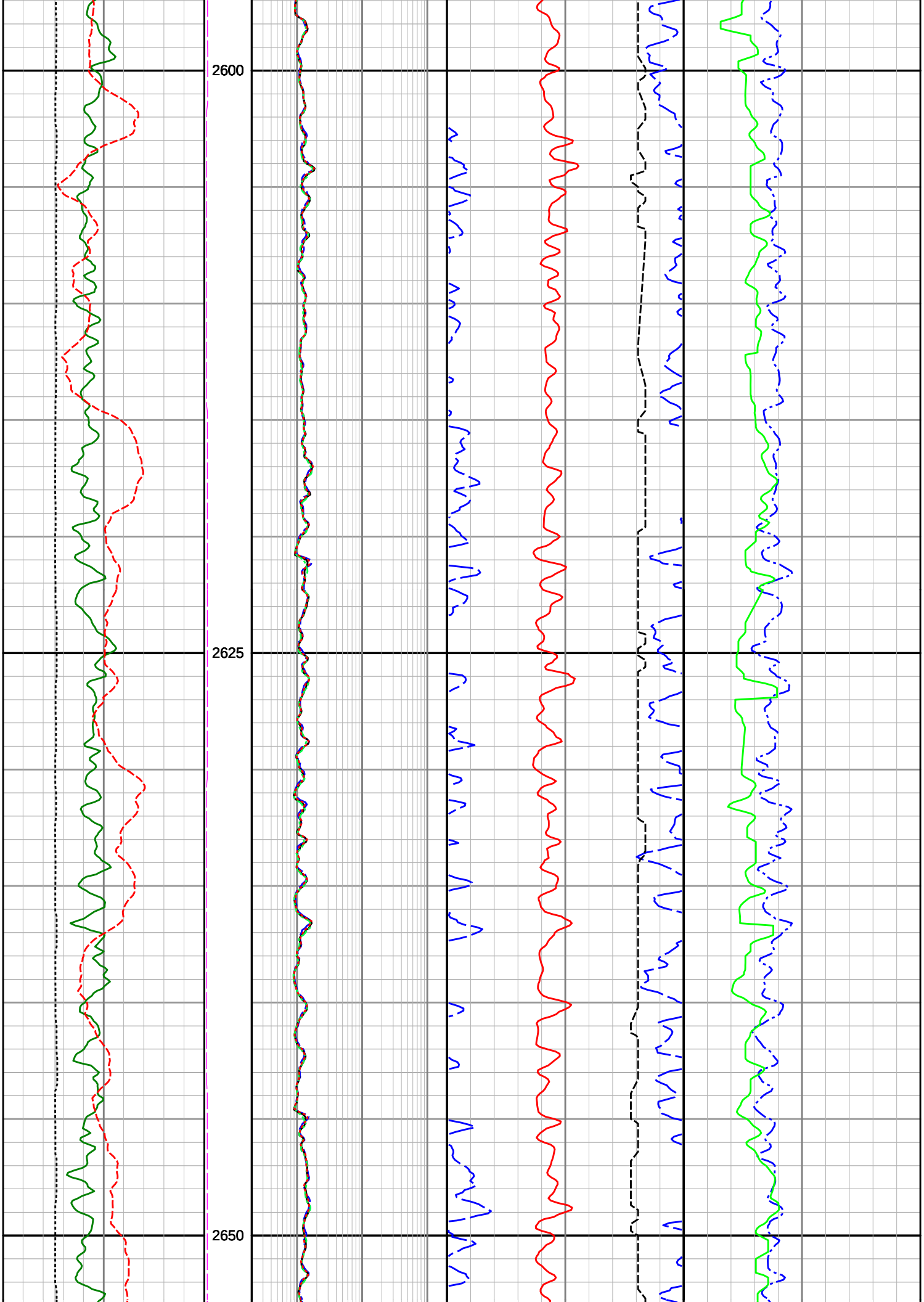
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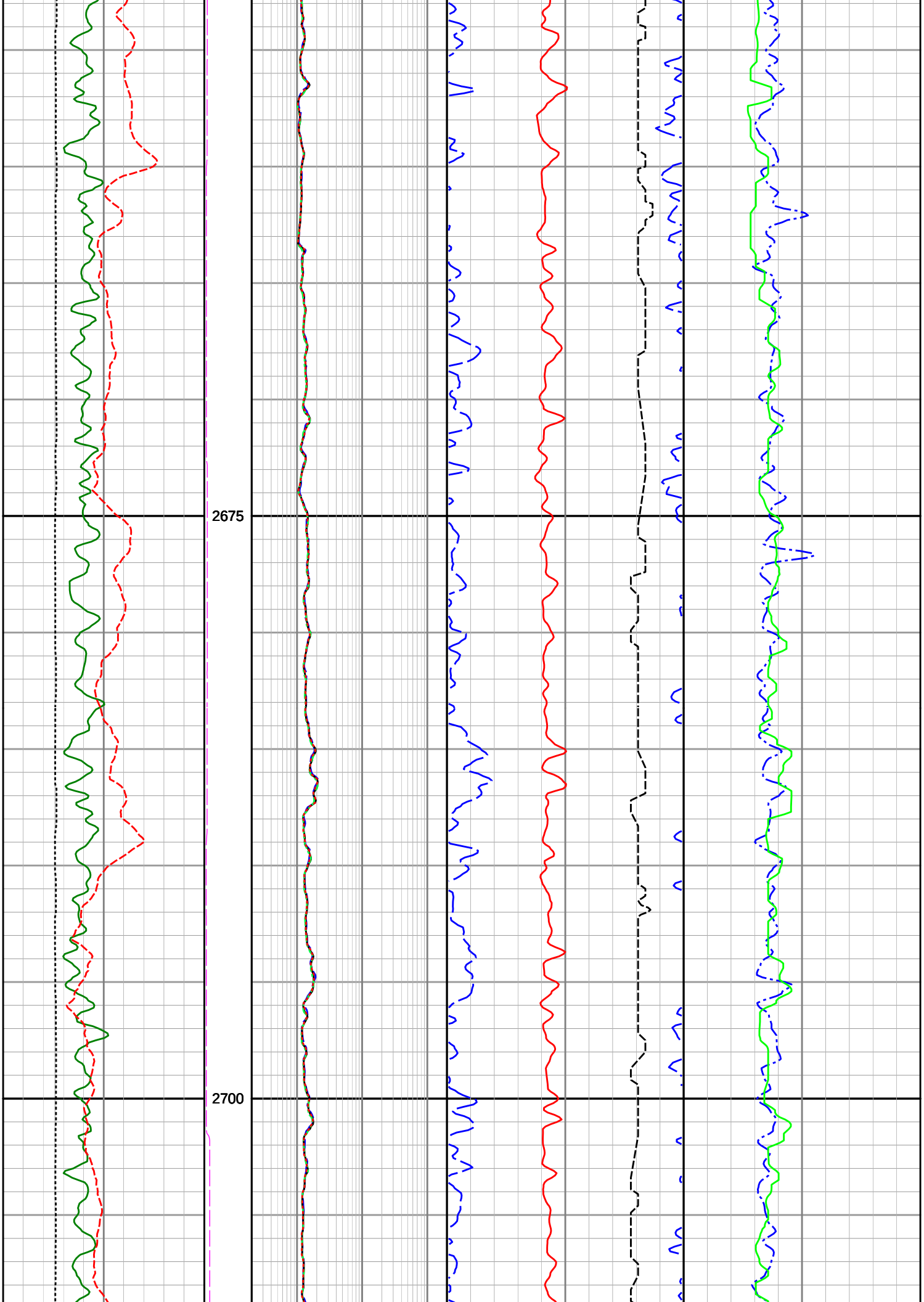
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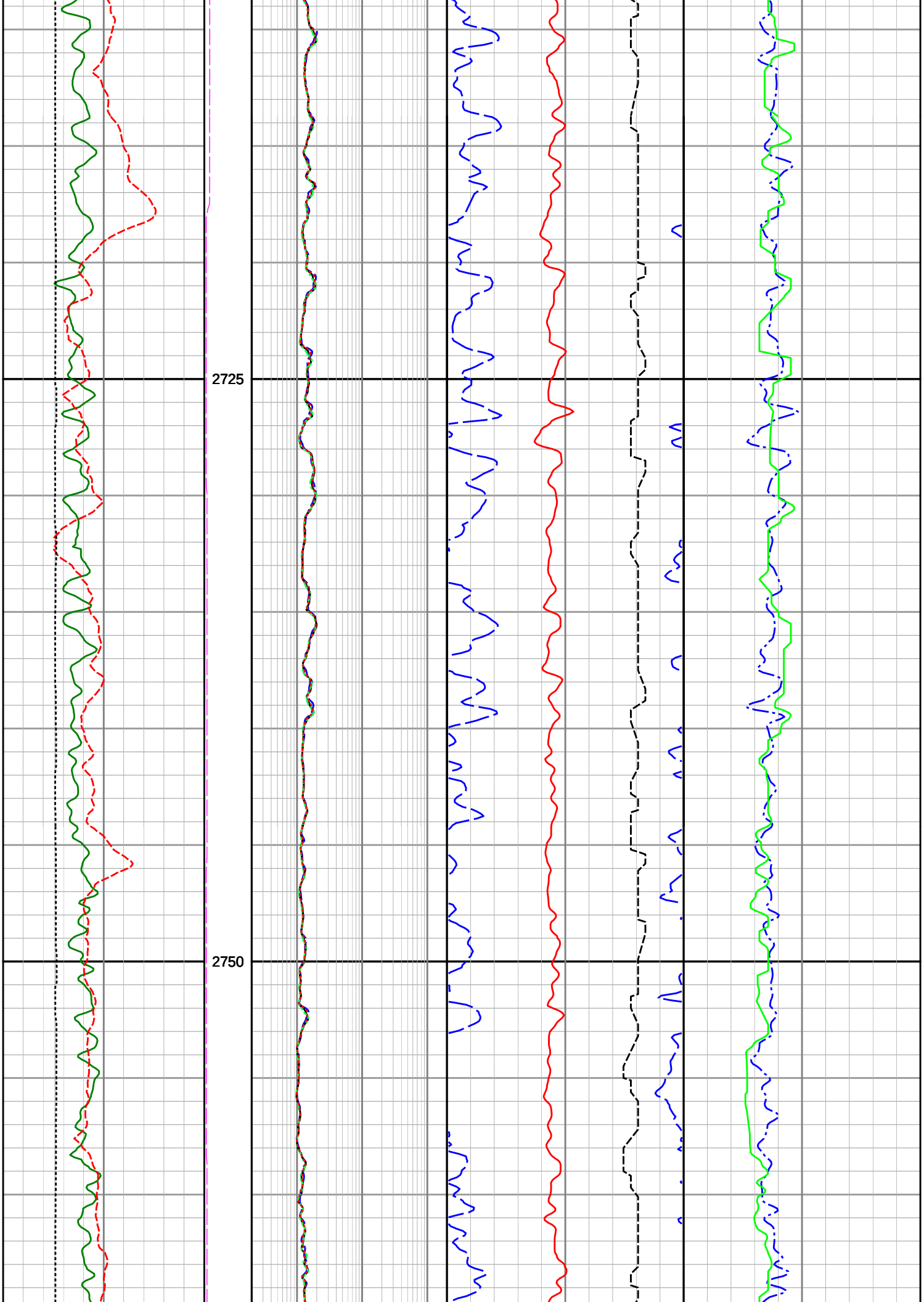
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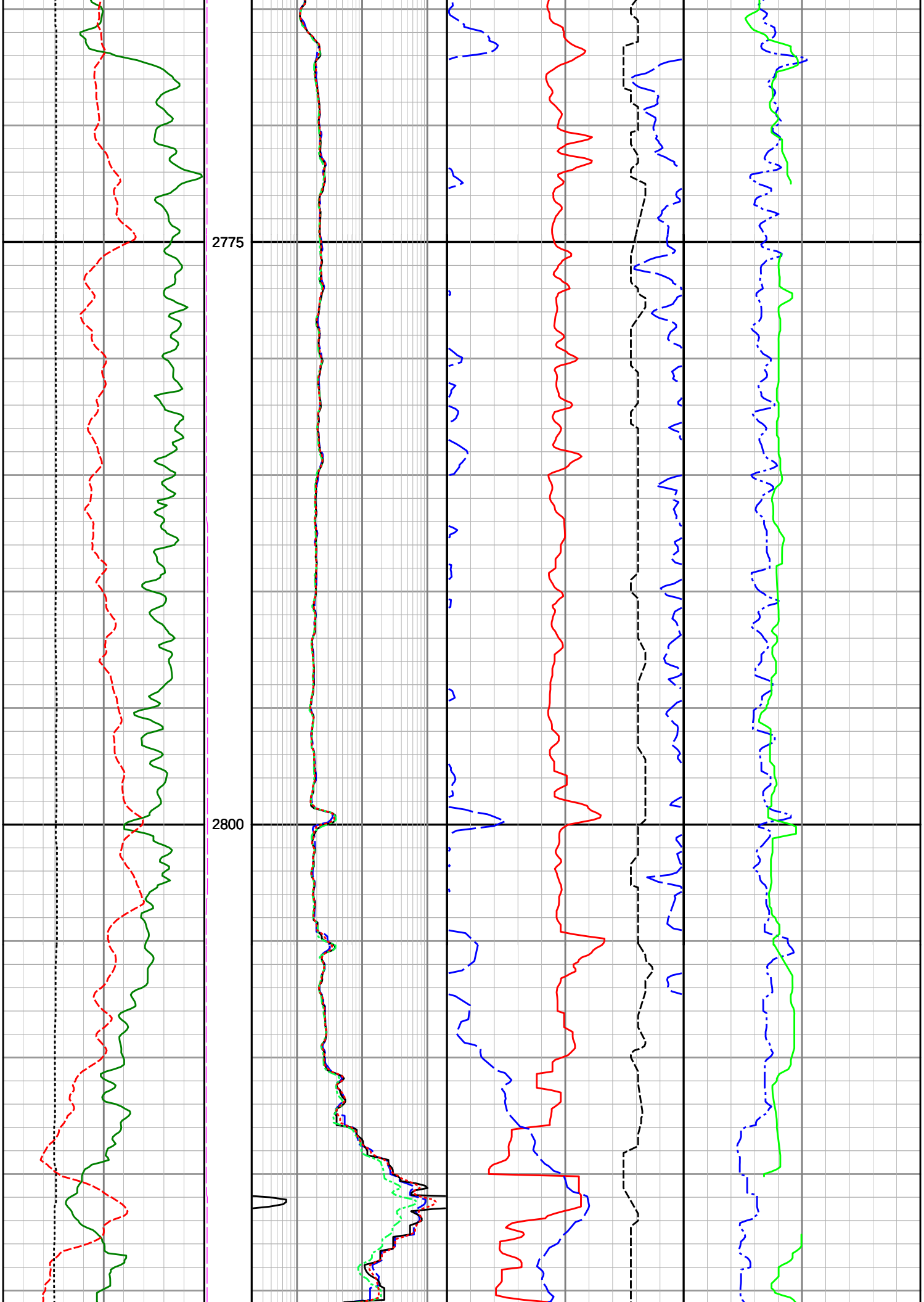
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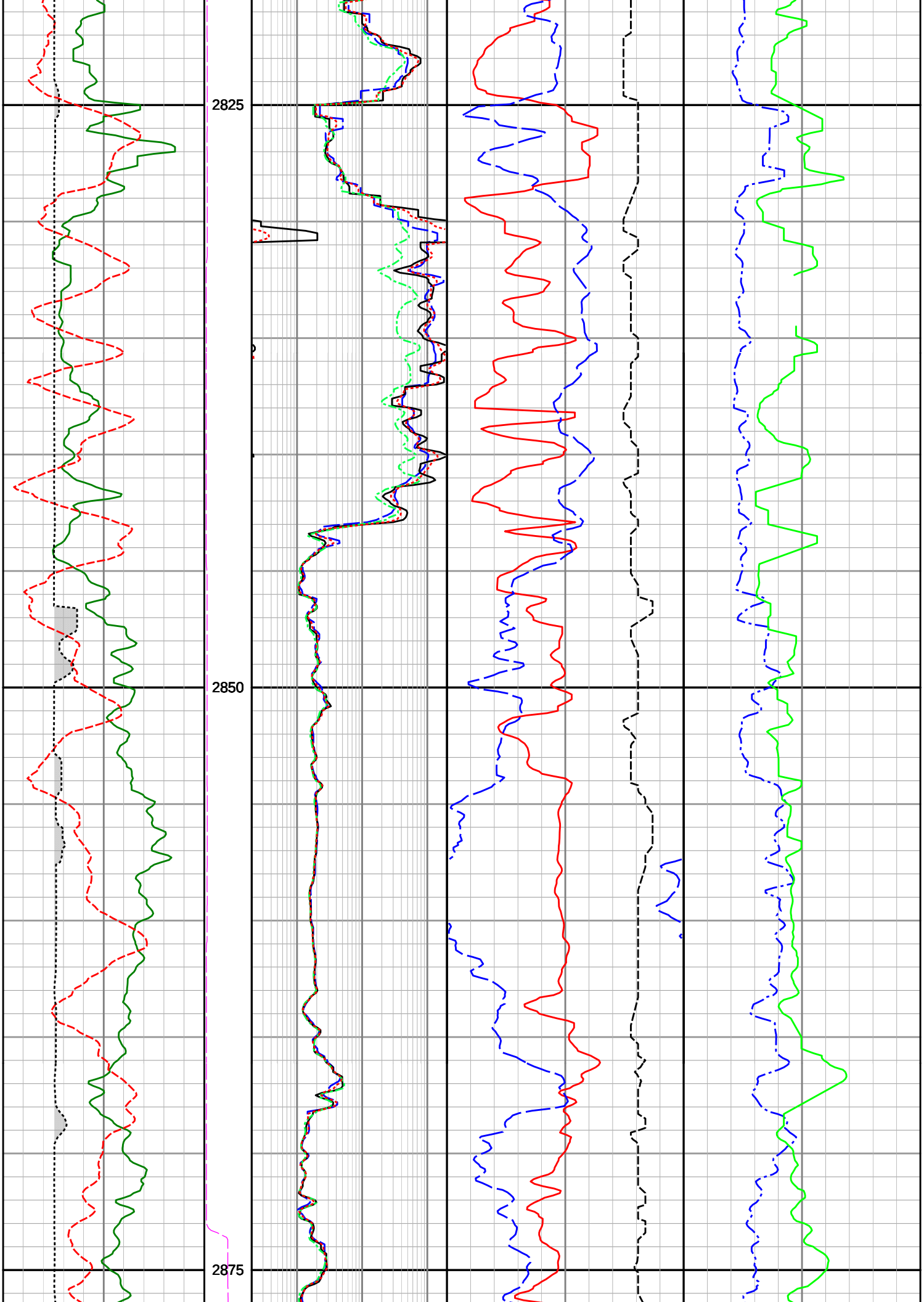
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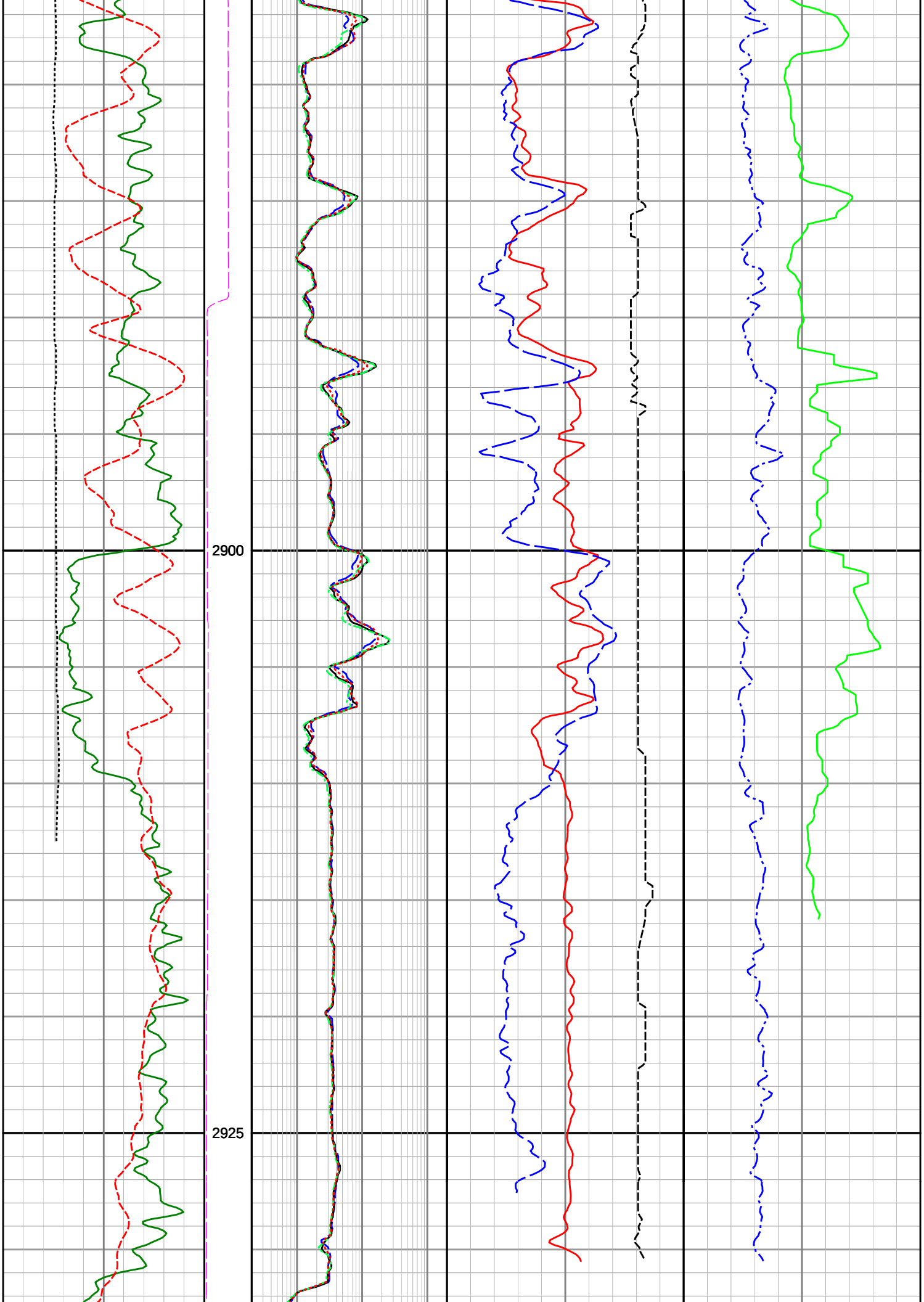
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| Gamma Ray (SGRC) | DEPTH MD | Extra Shallow Res (SEXP) | Neutron Porosity (NUCL) | Photoelectric Factor (SNP2) |
|---|---|---|---|---|
| 0 API 200 | 1 : 200 | 0.2 ohmm 200 | 0.45 v/v -0.15 | 0 b/e 10 |
| **Rate of Penetration (SROP)** | **SFXE** | **Shallow Phase Res (SESP)** | **Density (SBD2)** | **Compressional Slowness (DTCP)** |
| 200 m/hr 0 | 0 10 hours | 0.2 ohmm 200 | 1.95 g/cc 2.95 | 140 us/ft 40 |
| **Acoustic Caliper (APPC)** | | **Medium Phase Res (SEMP)** | **Delta Rho (SCO2)** | |
| 6 in 16 | | 0.2 ohmm 200 | -0.75 g/cc 0.25 | |
| | | **Deep Phase Res (SEDP)** | | |
| | | 0.2 ohmm 200 | | |