

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|--------------|----------------|-----------|-----------------|-------------|-----------|-------------|
| | | | CENT-PENGO | 4.25 | 3.00 | 70.00 |
| WWF4 WWF1 | 12.50 12.50 | | SLT-PENGO (602) | 15.92 | 3.50 | 300.00 |
| WWF3 WWF2 | 10.50 10.50 | | | | | |
| | | | CENT-PENGO | 4.25 | 3.00 | 70.00 |

Dataset: murfin_carolyn a #4-24.db: field/well/Sonic/pass3
 Total length: 24.42 ft
 Total weight: 440.00 lb
 O.D.: 3.50 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_carolyn a #4-24.db
 Dataset field/well/StkMI/pass4.1/_vars_

Top - Bottom

| | | | | | | | |
|-----------|--------------|------------------|-------------------|----------------|------------------|-------|------------------|
| A | BOREID in | BOTTEMP degF | CASEOD in | CASETHCK in | FLUIDDEN g/cc | M | MATRXDEN g/cc |
| 1 | 7.875 | 127 | 5.5 | 0 | 1 | 2 | 2.71 |
| NPORSEL | PERFS | SNDERR mmho/m | SNDERRM mmho/m | SPSHIFT mV | SRFTEMP degF | SZCOR | TDEPTH ft |
| Limestone | 0 | 0 | 0 | 460 | 70 | Off | 5094 |

Variable Description

A : Cement Factor (a)
 BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 FLUIDDEN : Fluid Density
 M : Cement Exp (m)
 MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
 PERFS : Perforation Flag
 SNDERR : Deep Sonde Error Correction
 SNDERRM : Medium Sonde Error Correction
 SPSHIFT : S.P. Baseline Offset
 SRFTEMP : Surface Temperature
 SZCOR : CN Size Cor. ?
 TDEPTH : Total Depth

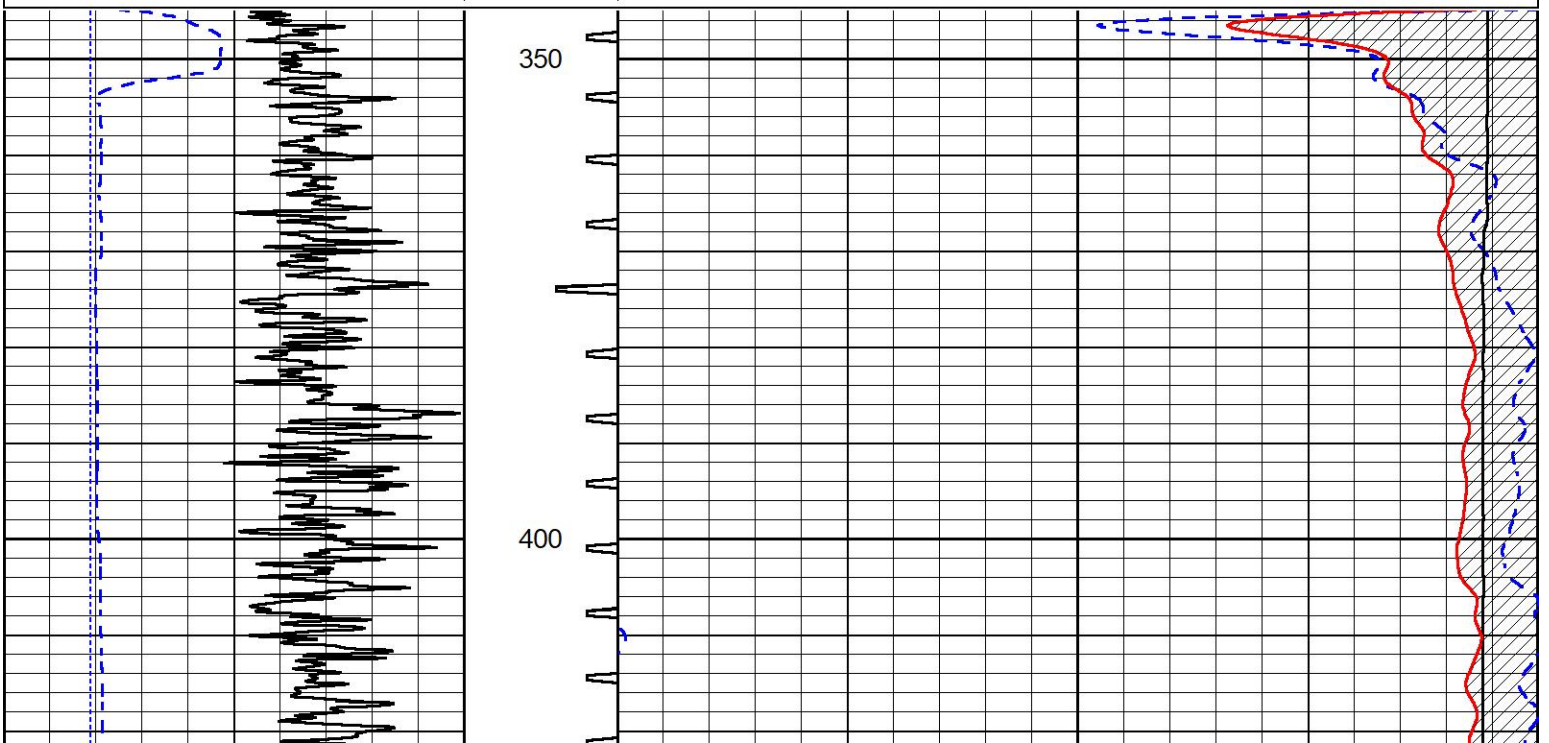


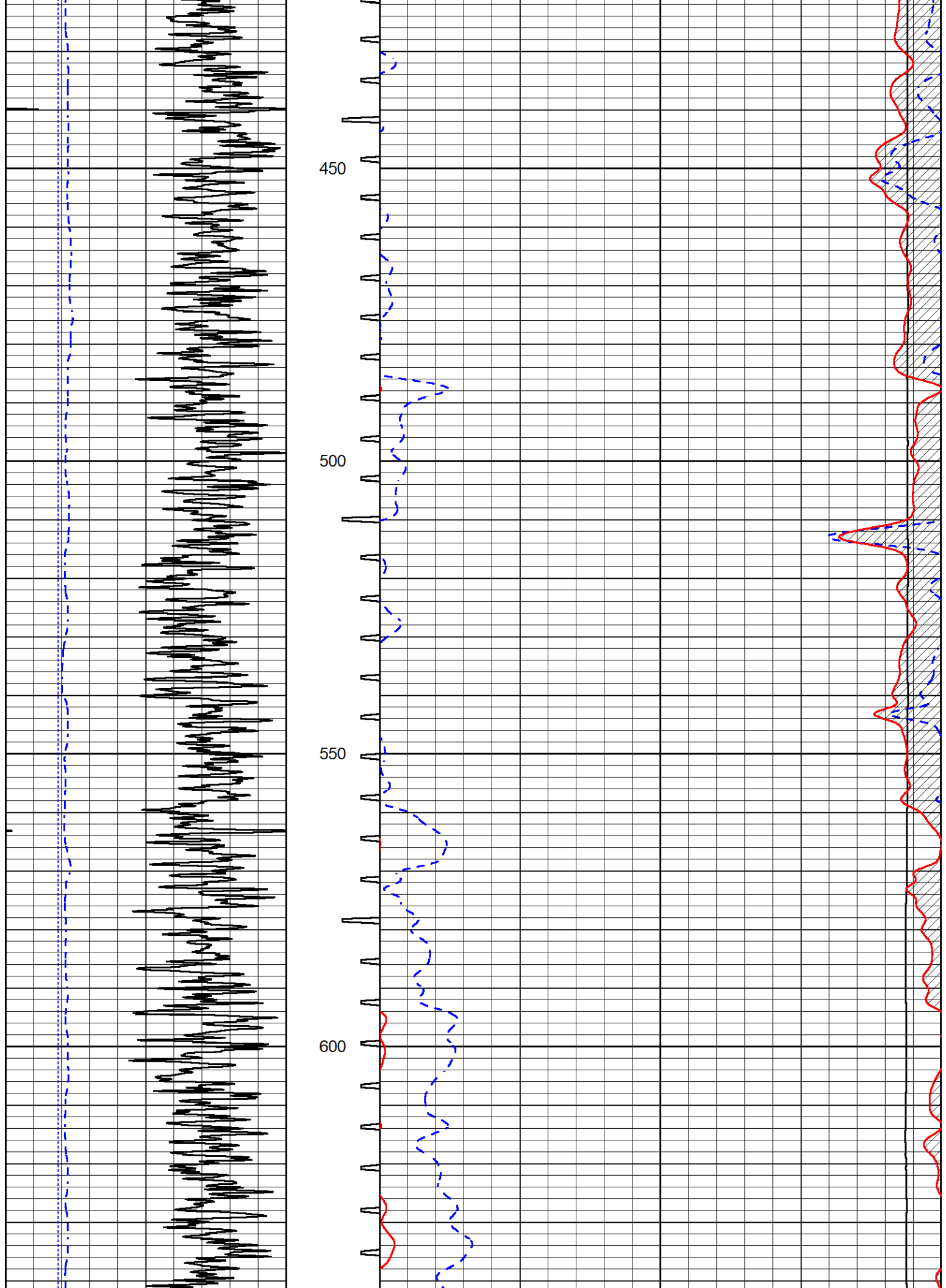
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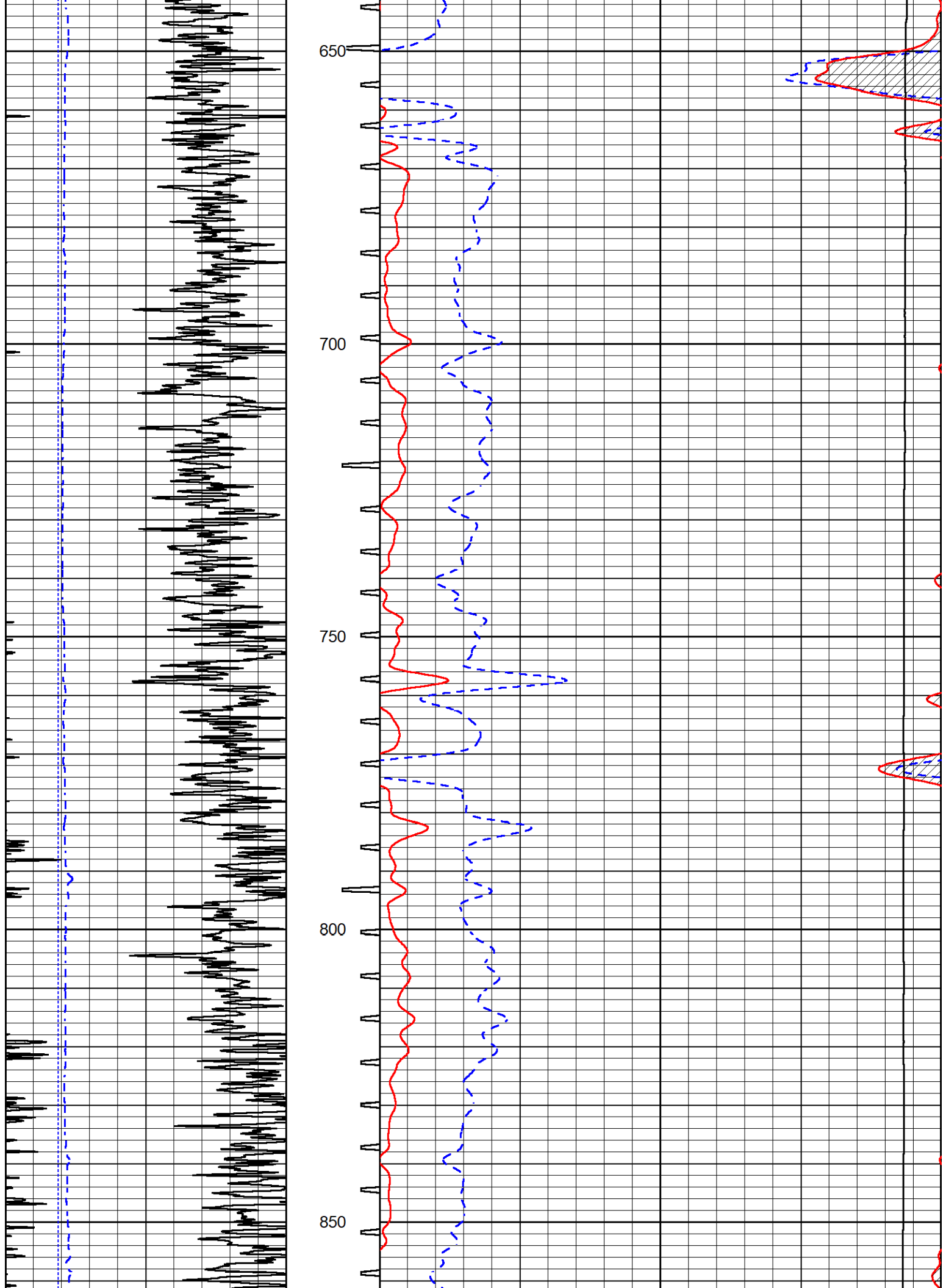
MAIN PASS

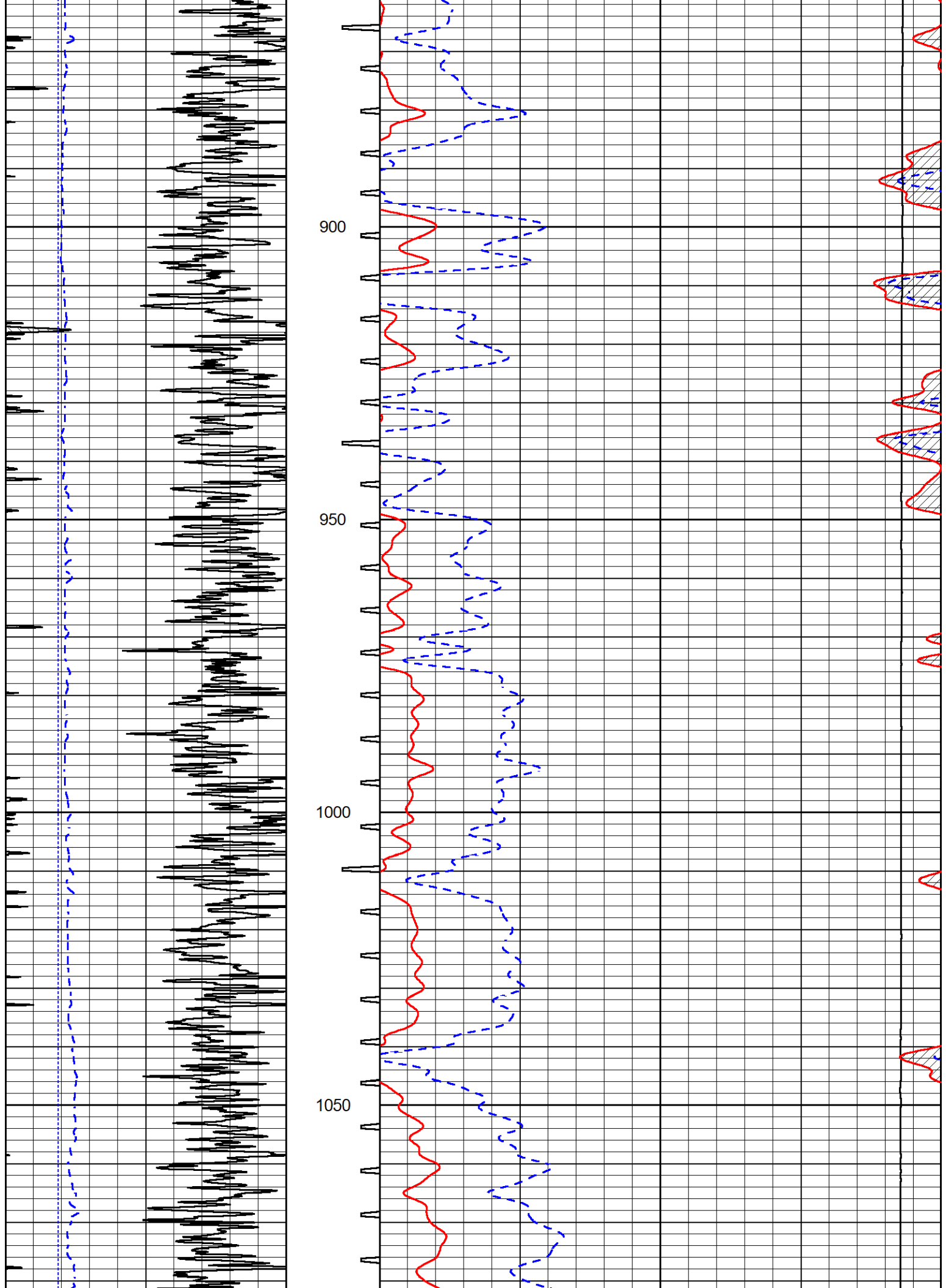
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 Dataset Pathname StkMI/pass4.1
 Presentation Format _sonic
 Dataset Creation Sat Mar 19 19:04:42 2022
 Charted by Depth in Feet scaled 1:240

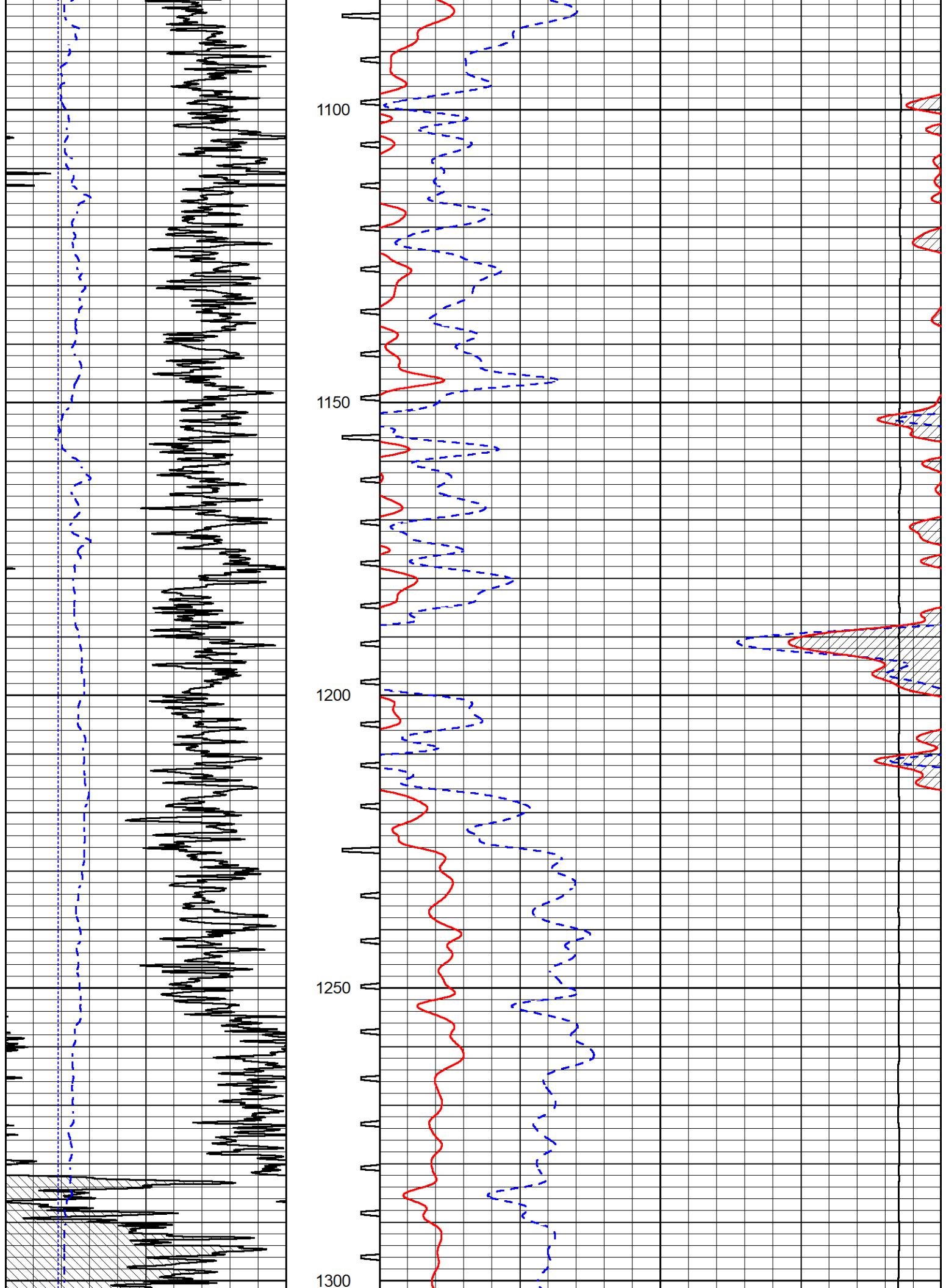
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|-----|------------------|-----|------------|-------|--------------------------------|-----|
| 0 | Gamma Ray (GAPI) | 150 | Sonic Int | 140 | Delta Time (usec/ft) (usec/ft) | 40 |
| 150 | GR (GAPI) | 300 | 5 (msec) 0 | 30 | Sonic Porosity (pu) (pu) | -10 |
| 6 | Caliper (in) | 16 | | 15000 | Line Tension (lb) | 0 |

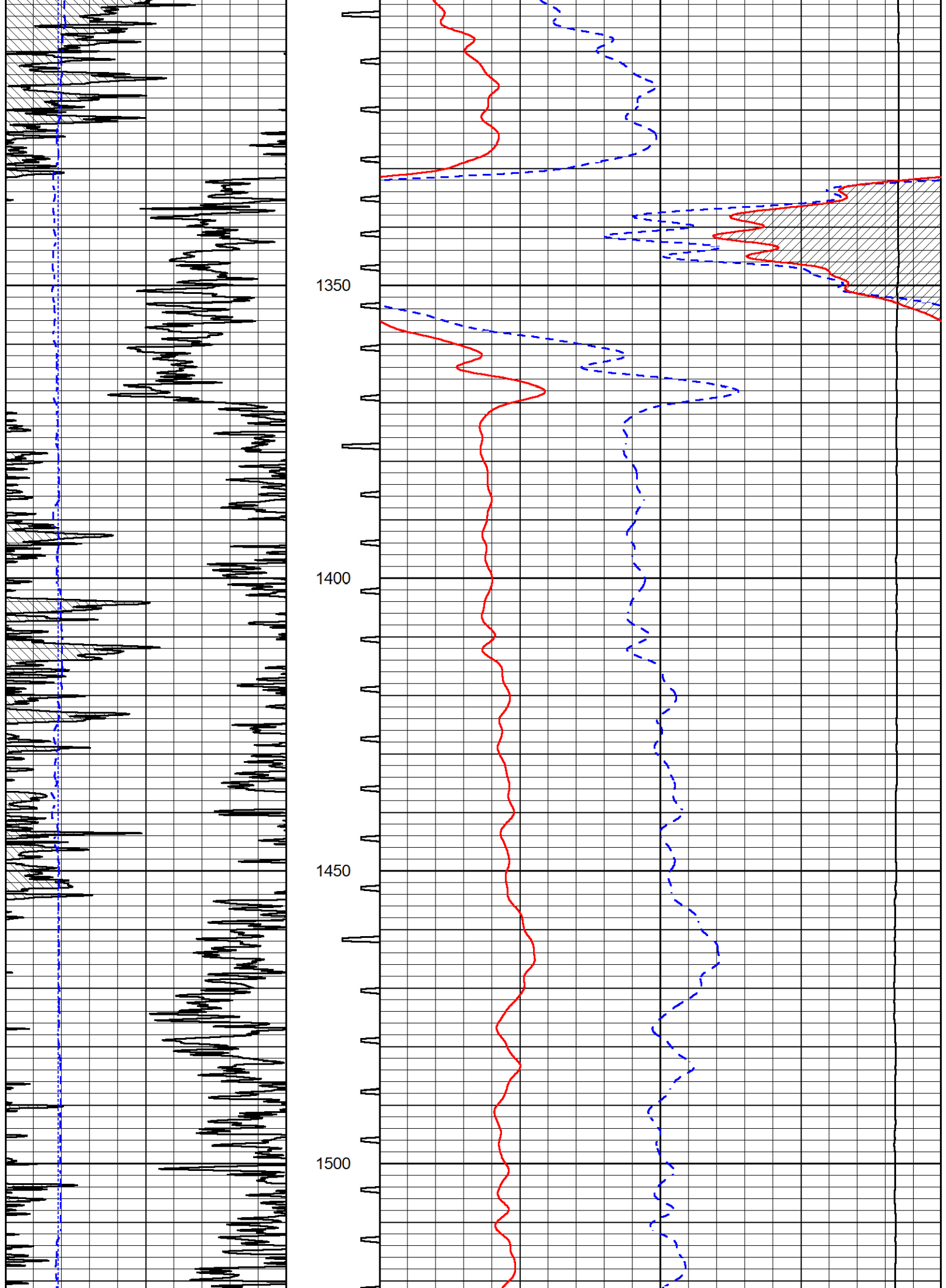


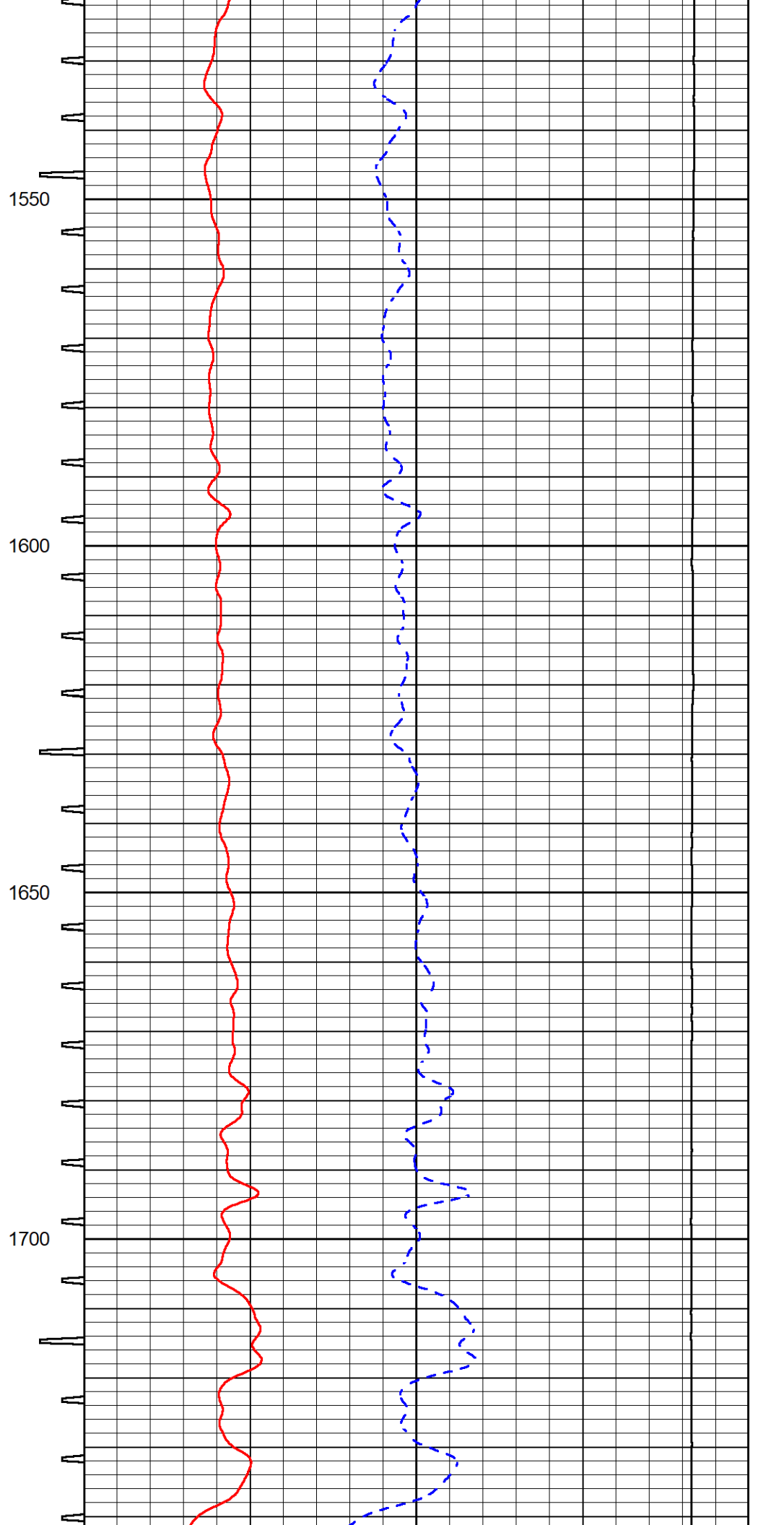
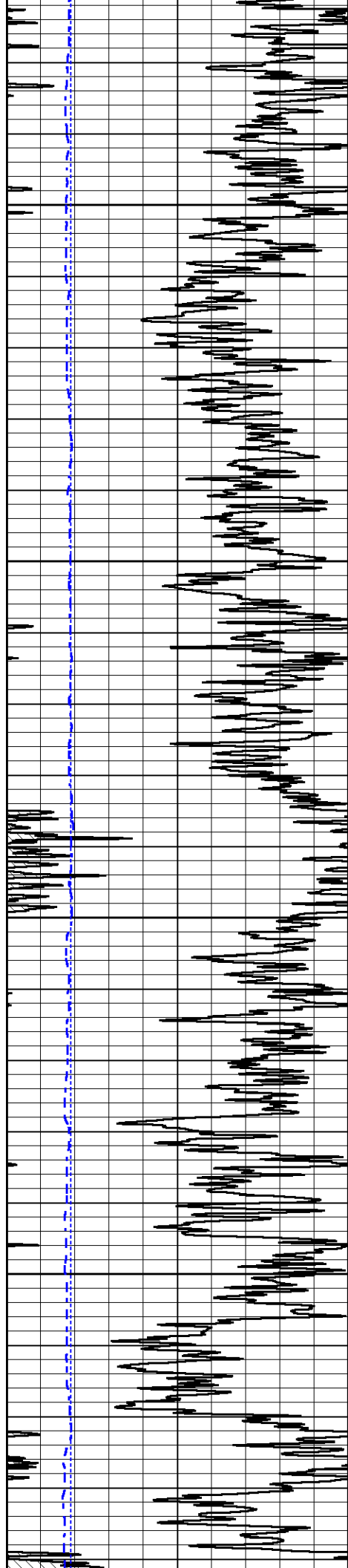


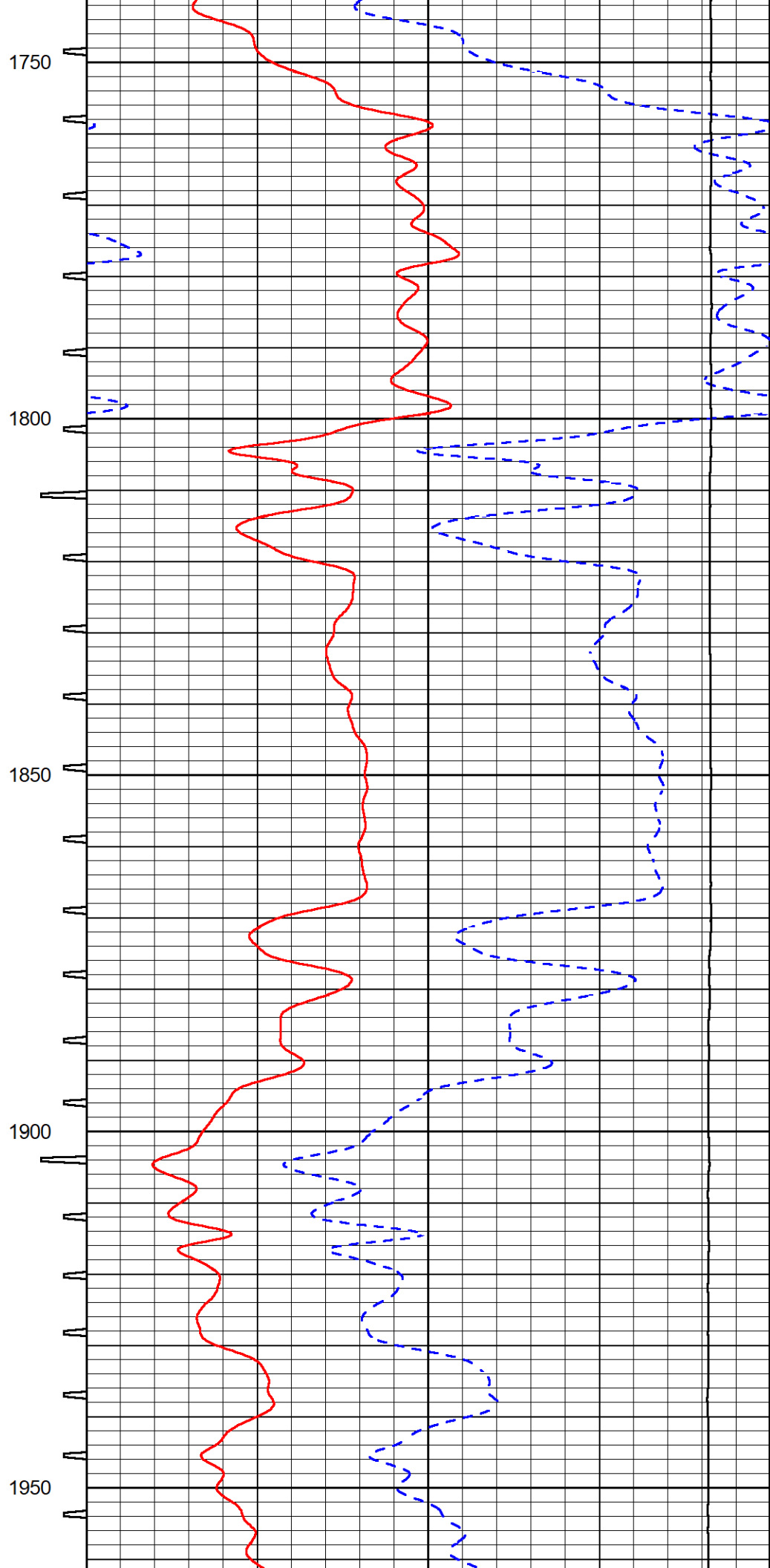
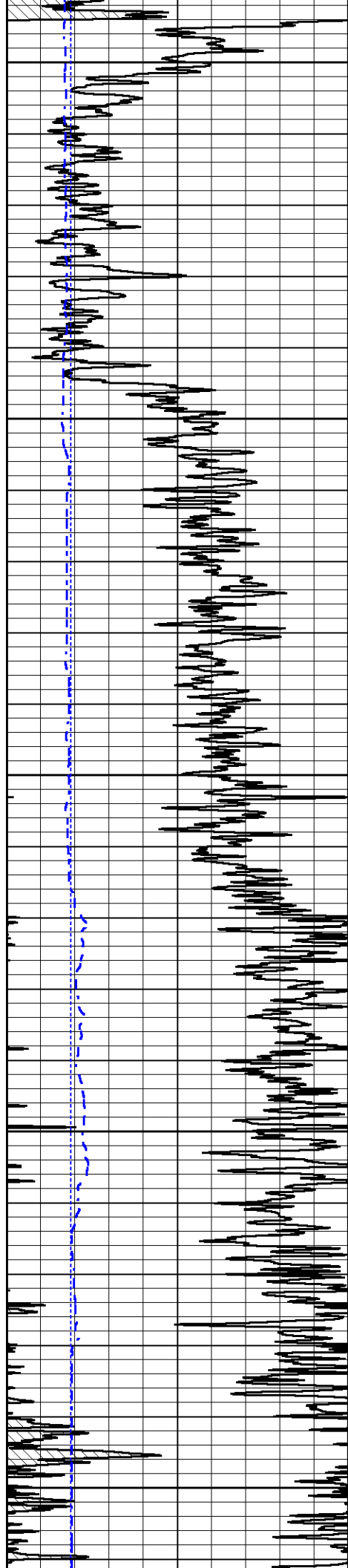


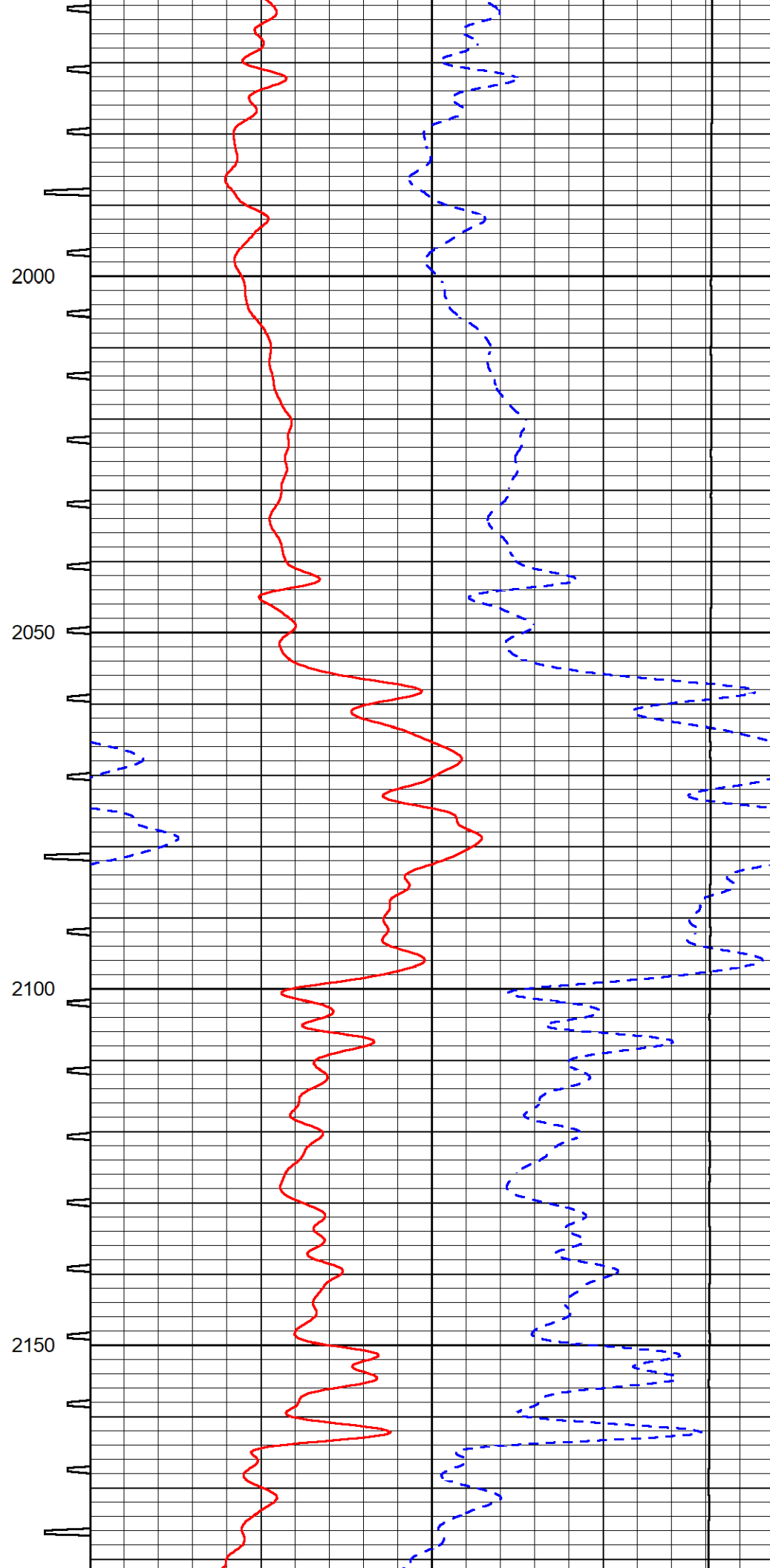
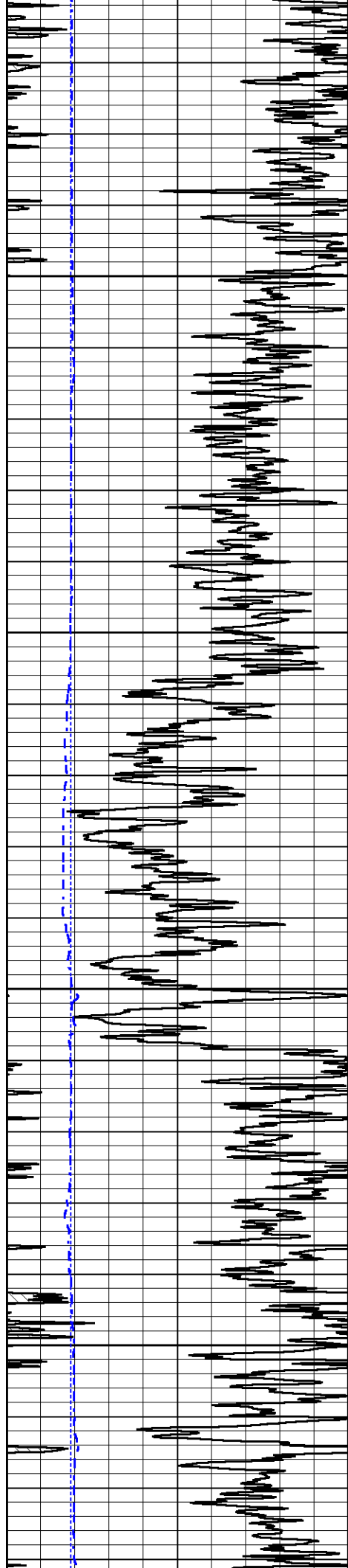


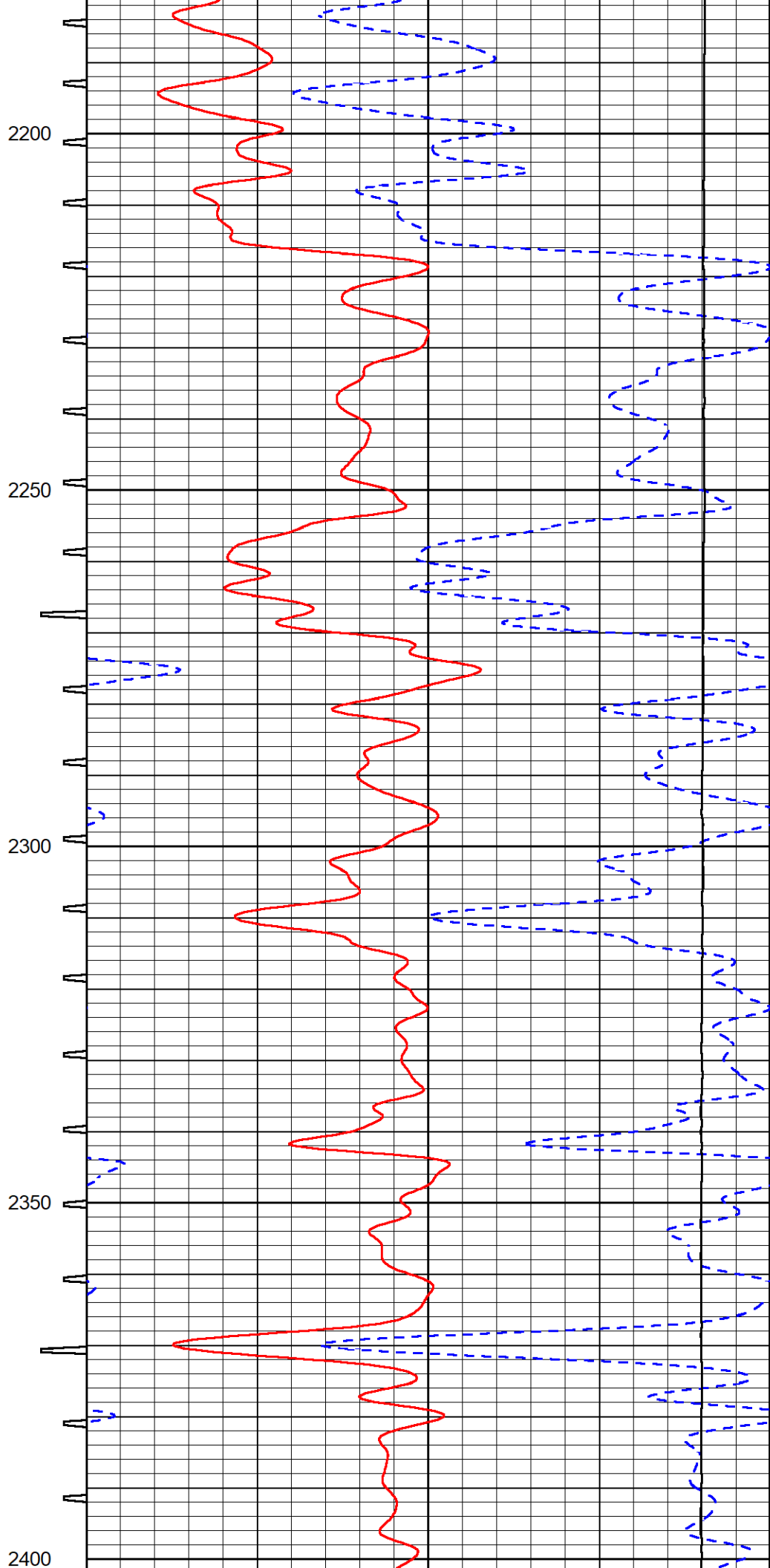
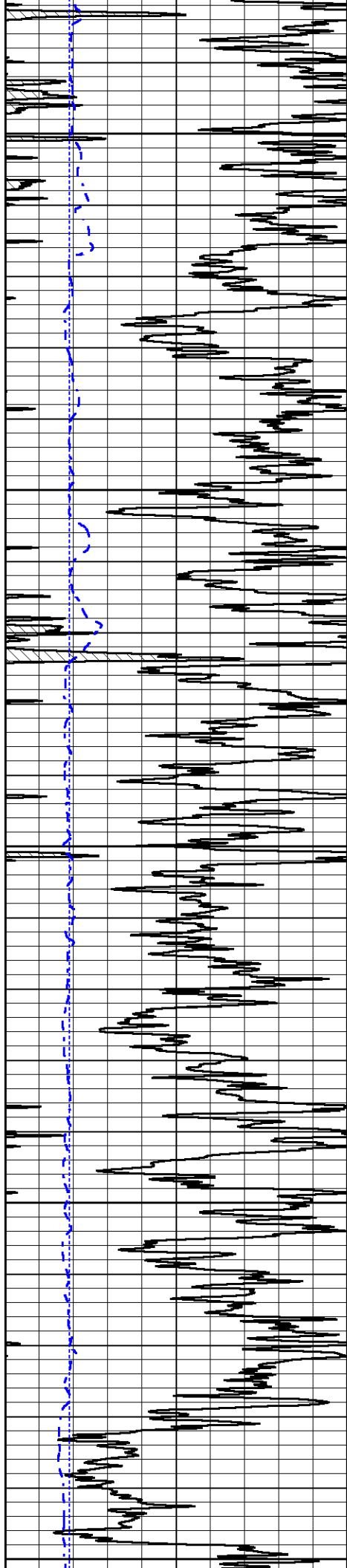


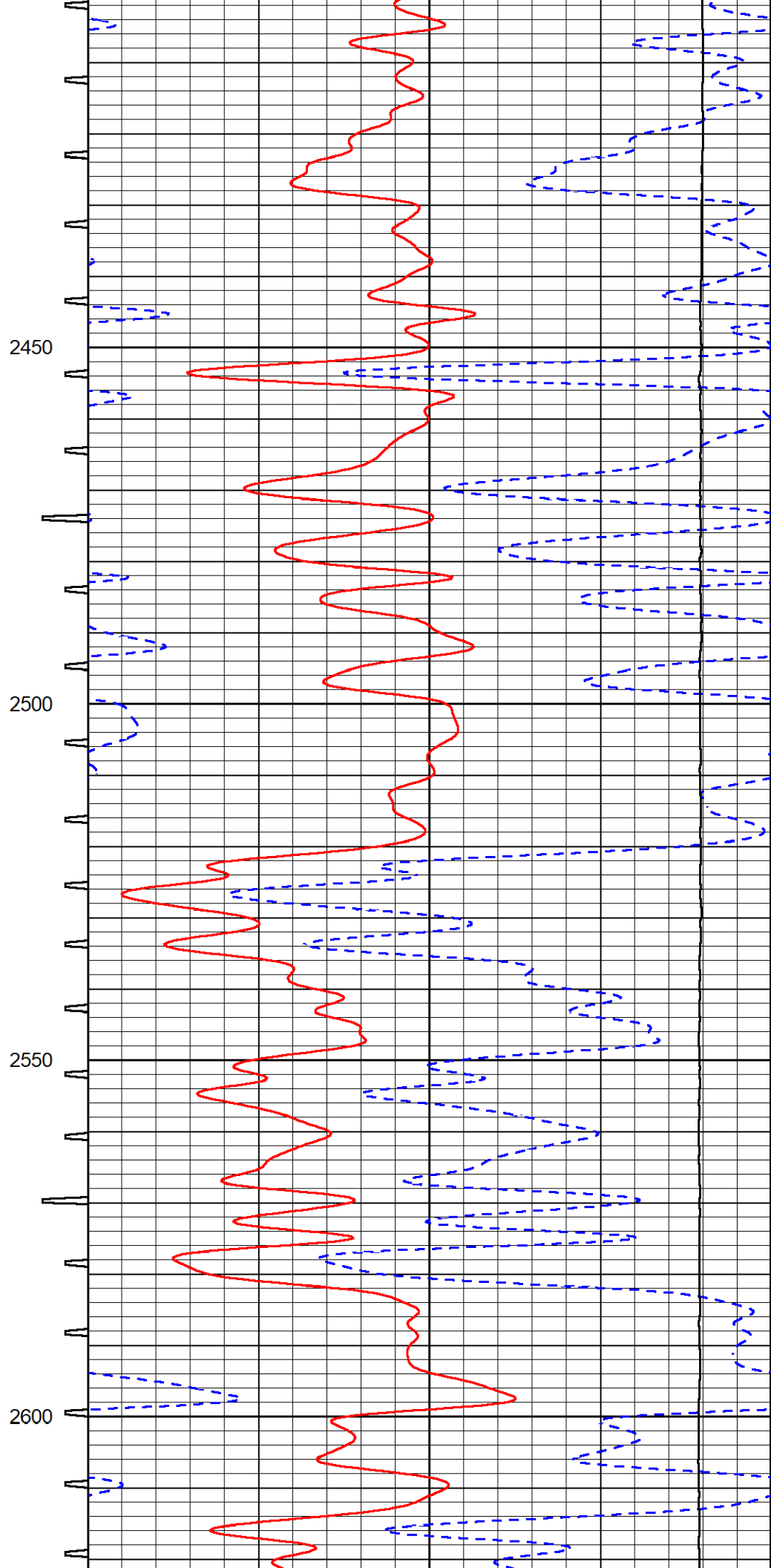
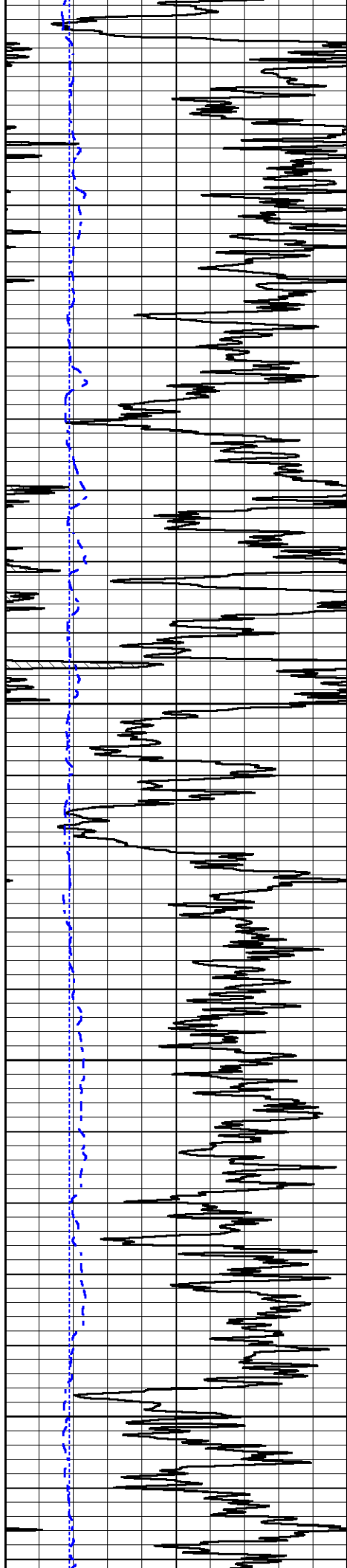


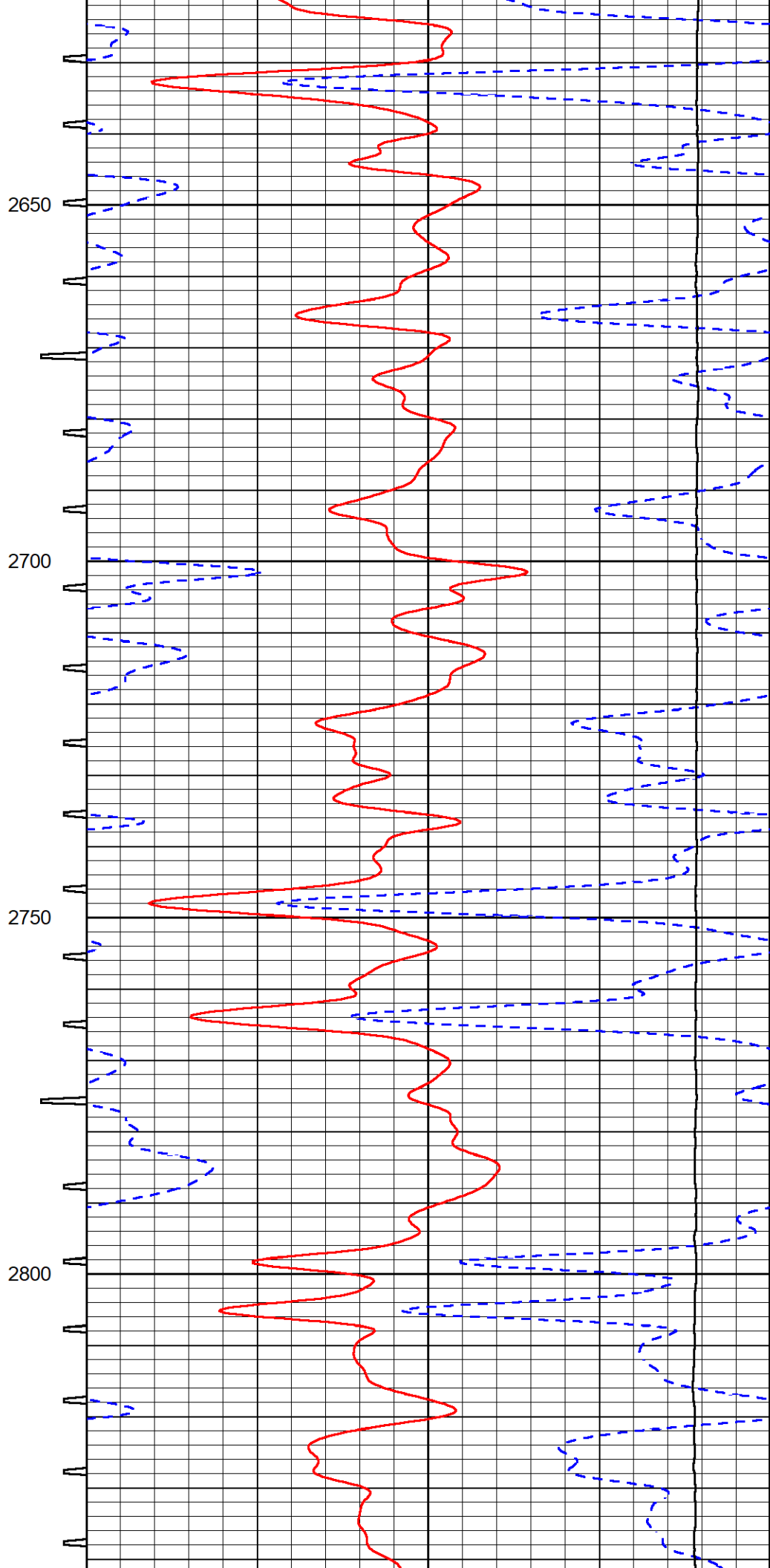
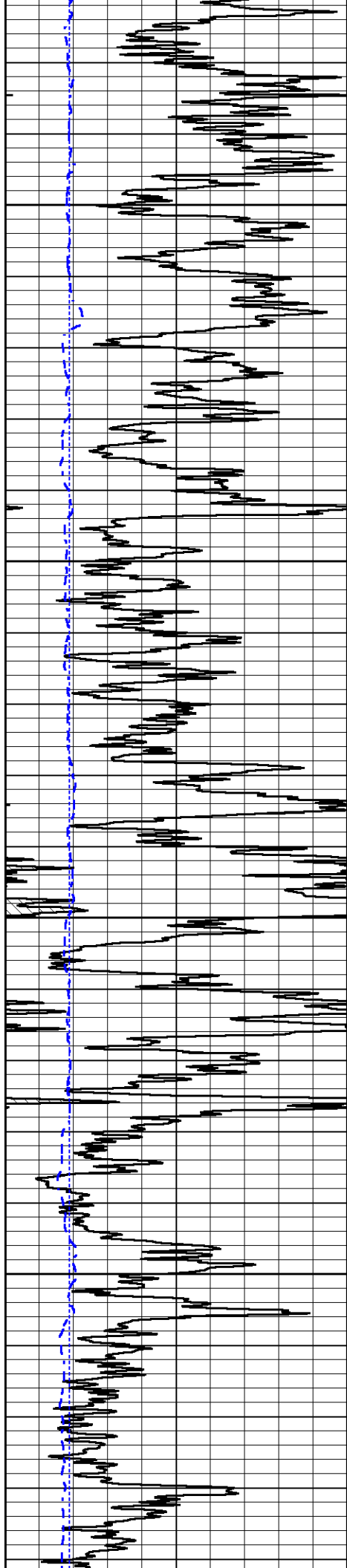


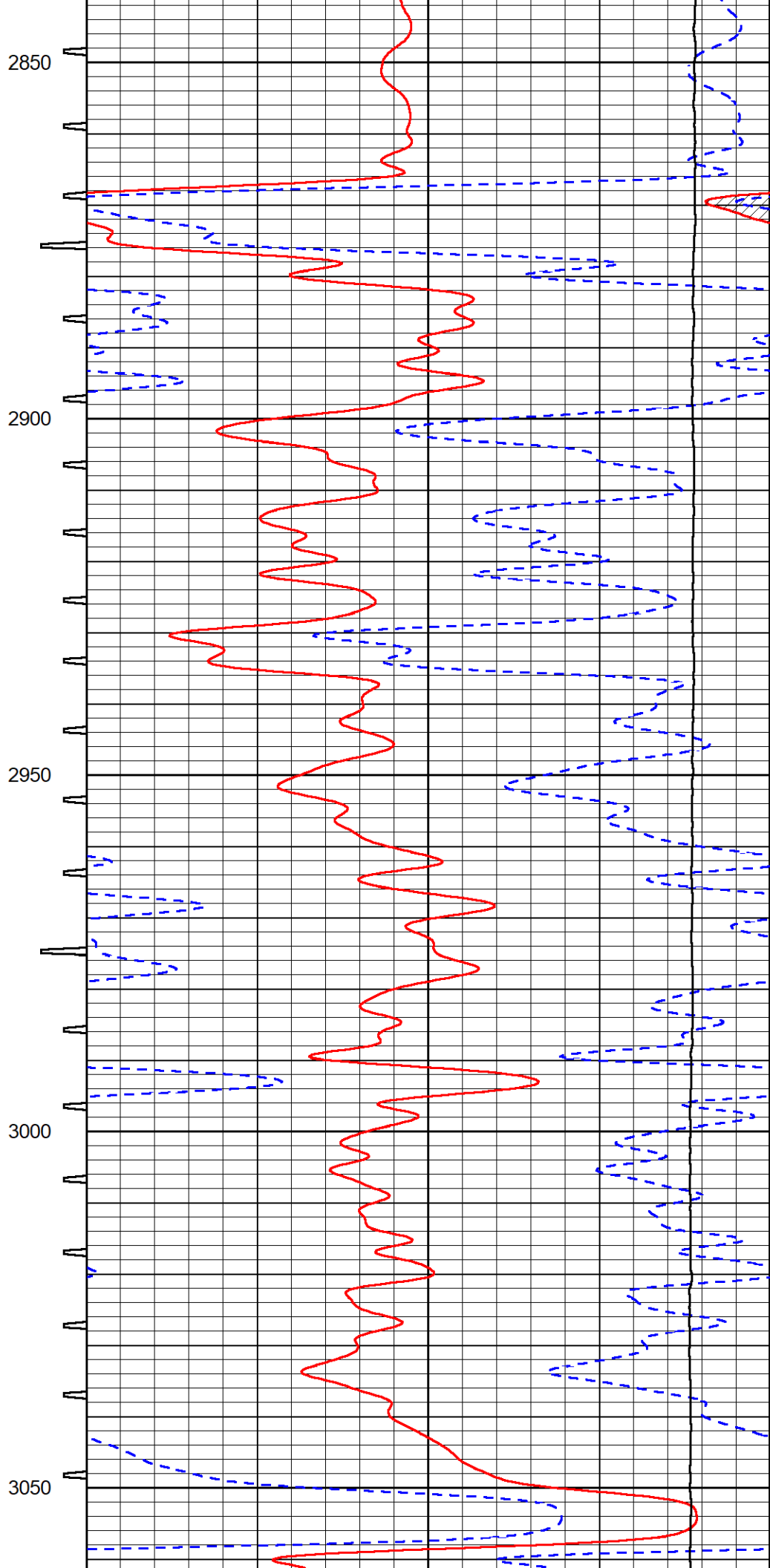
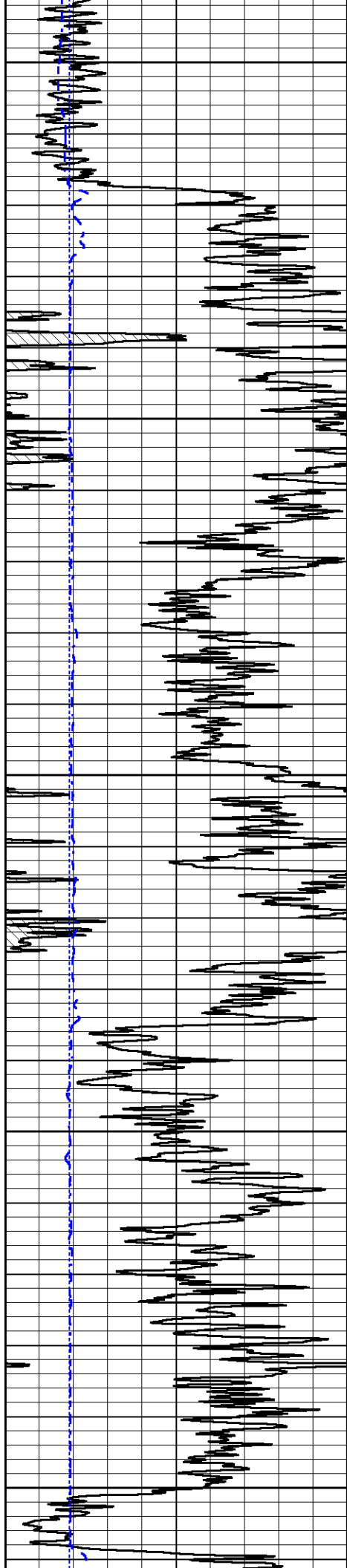


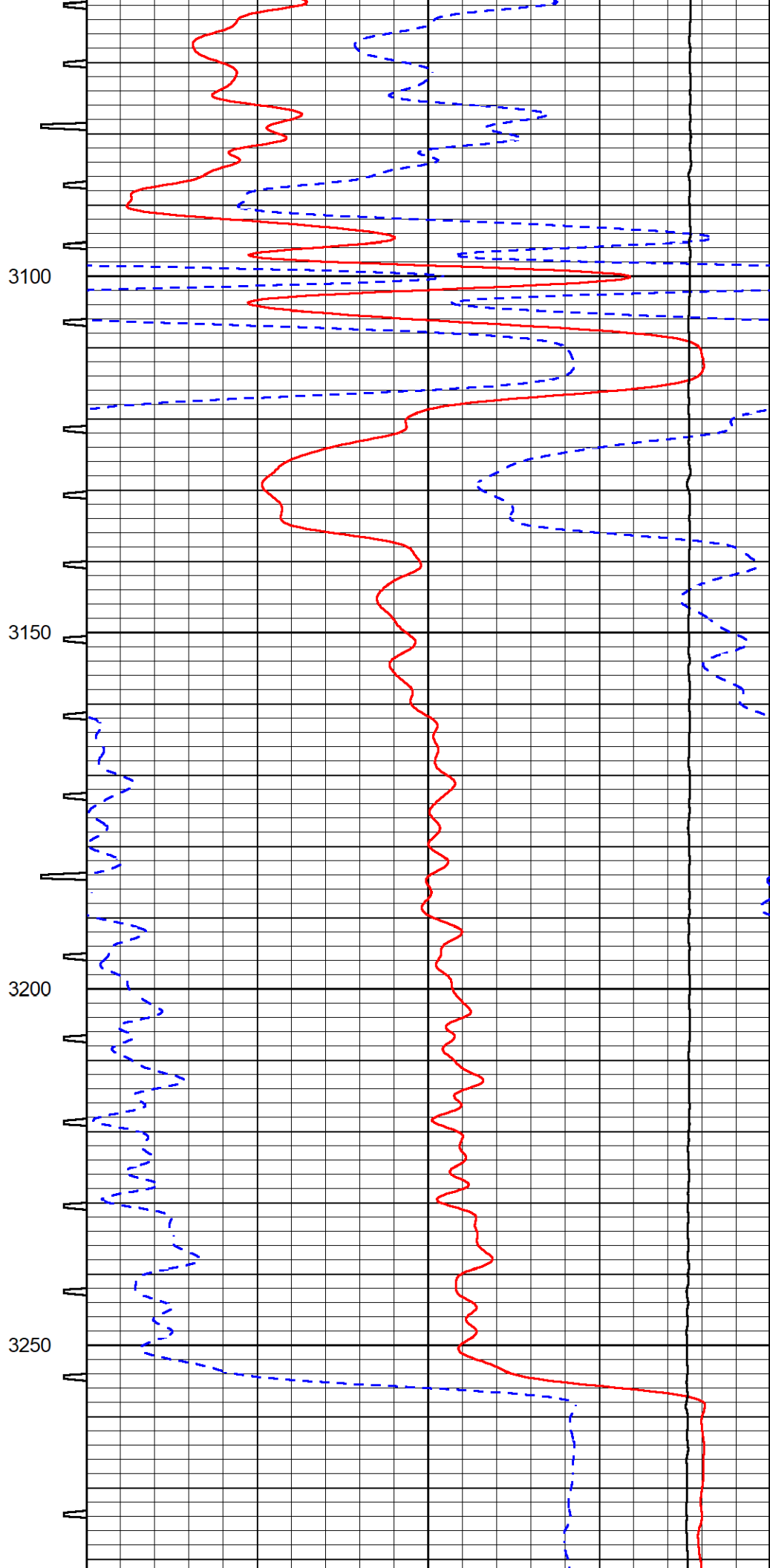
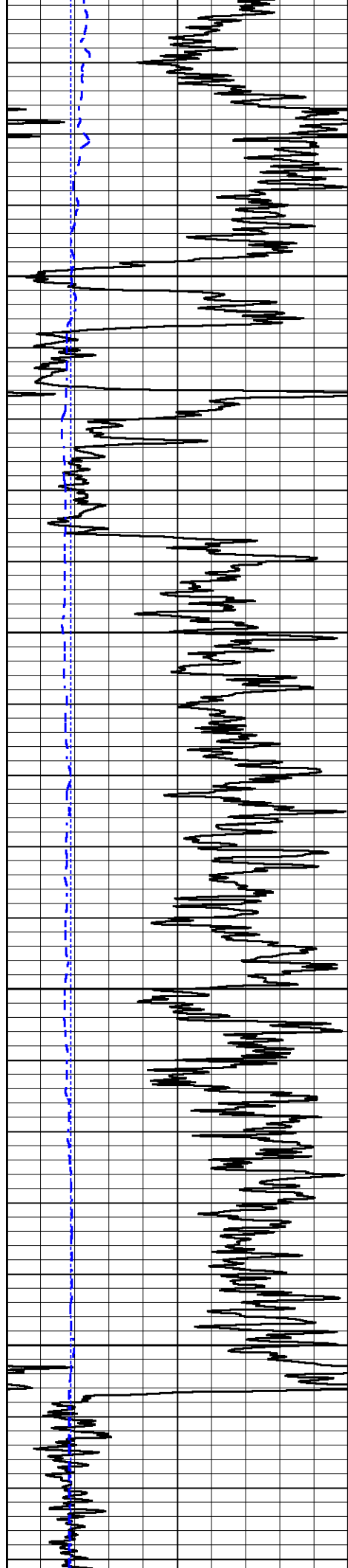


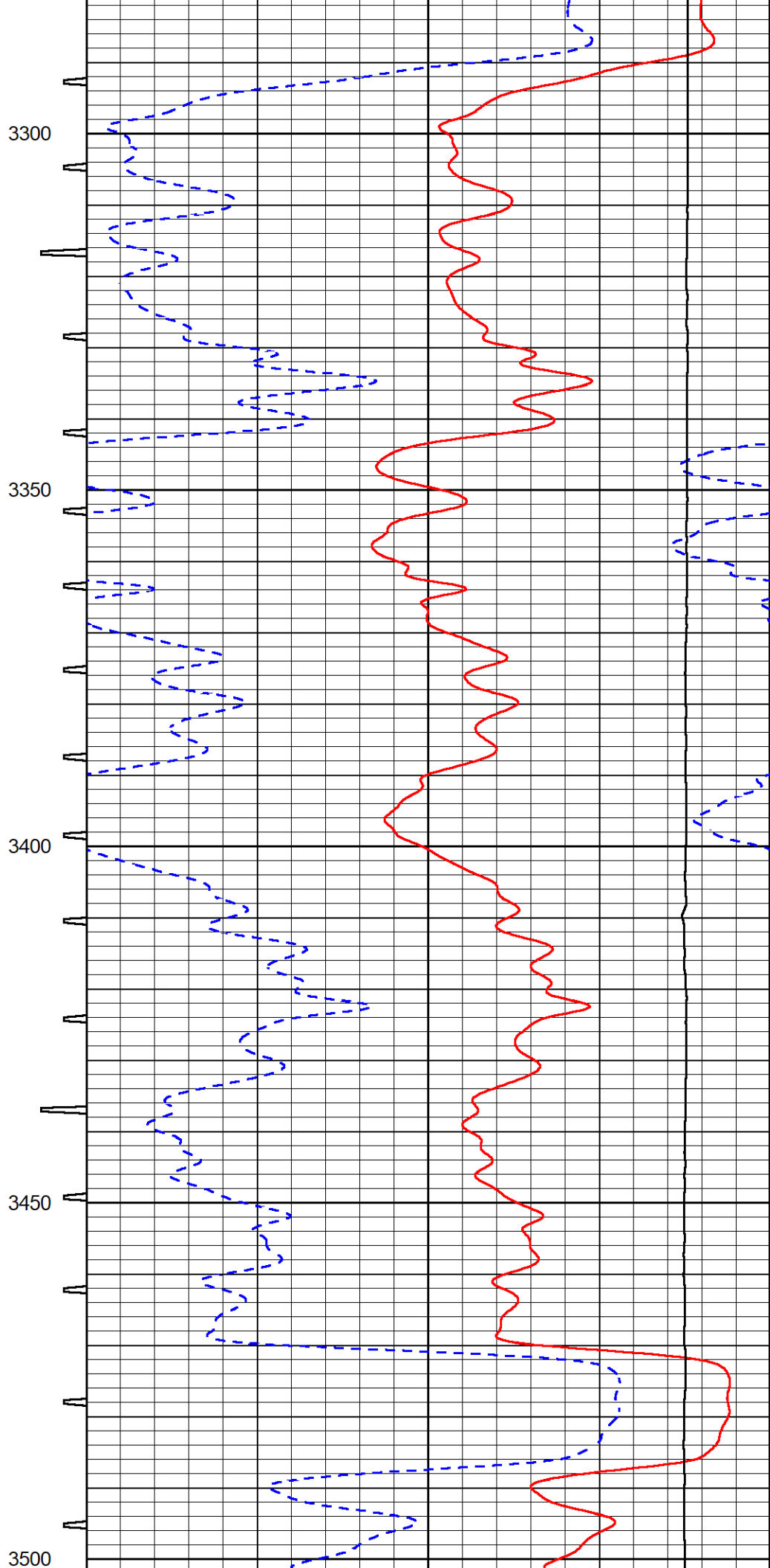
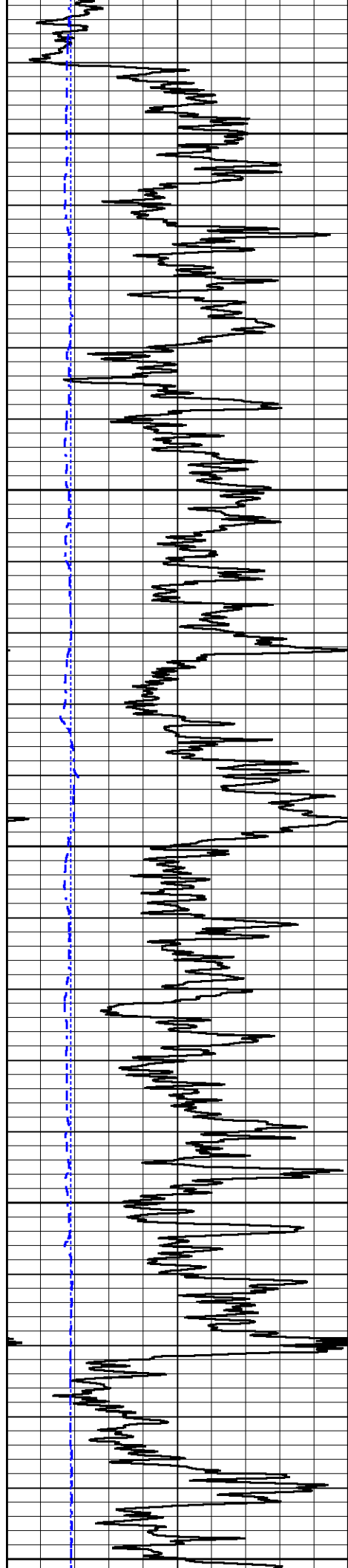


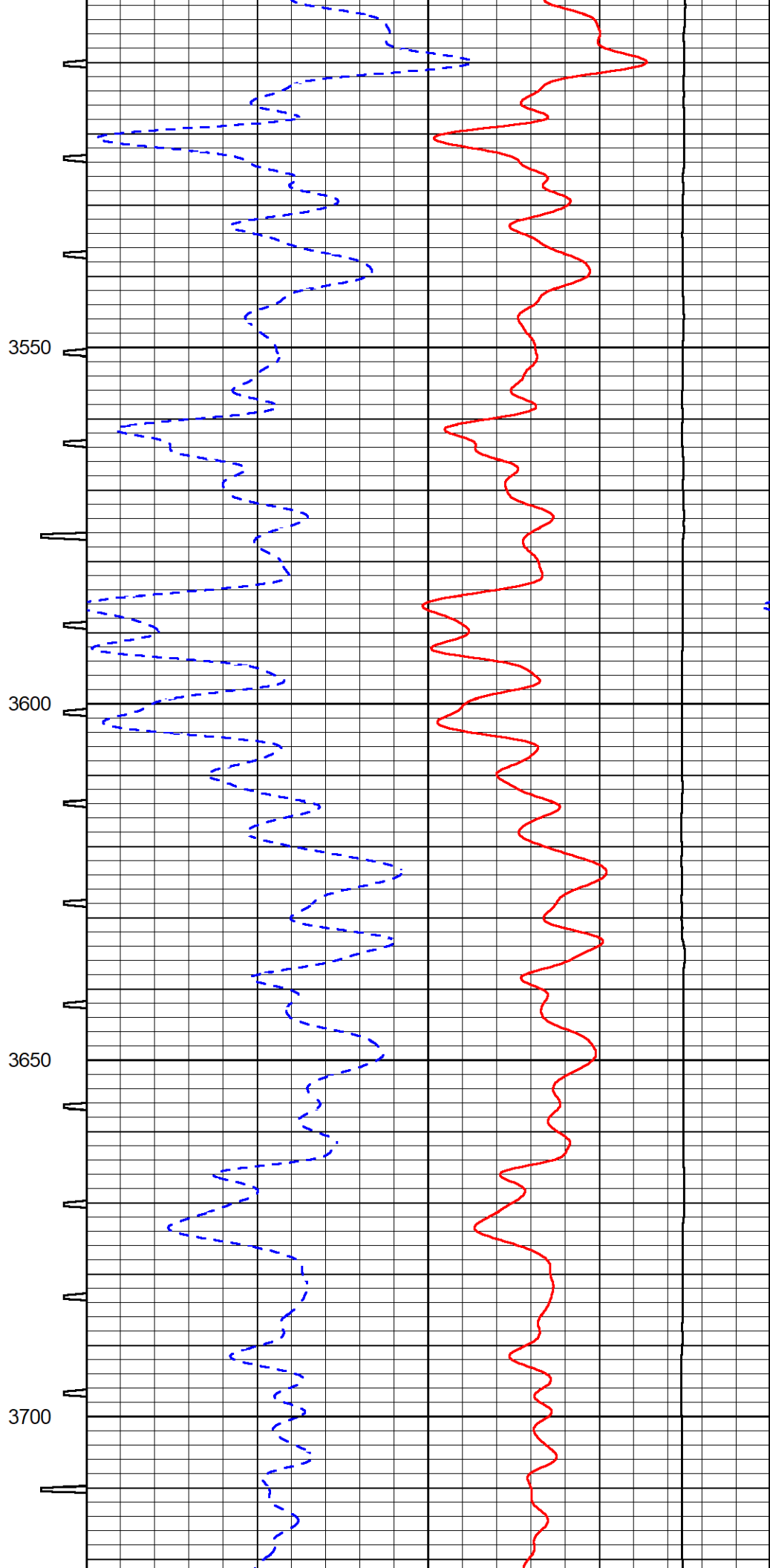
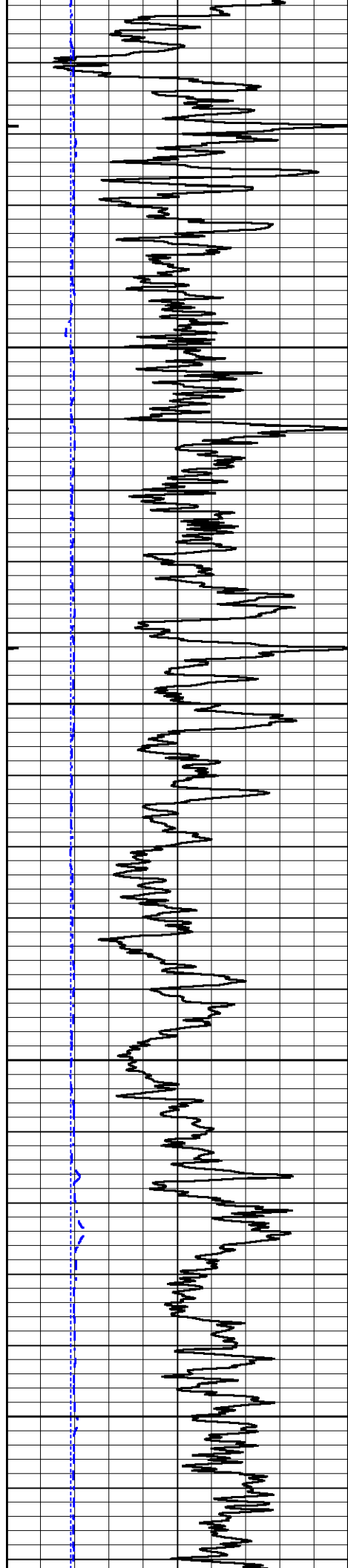


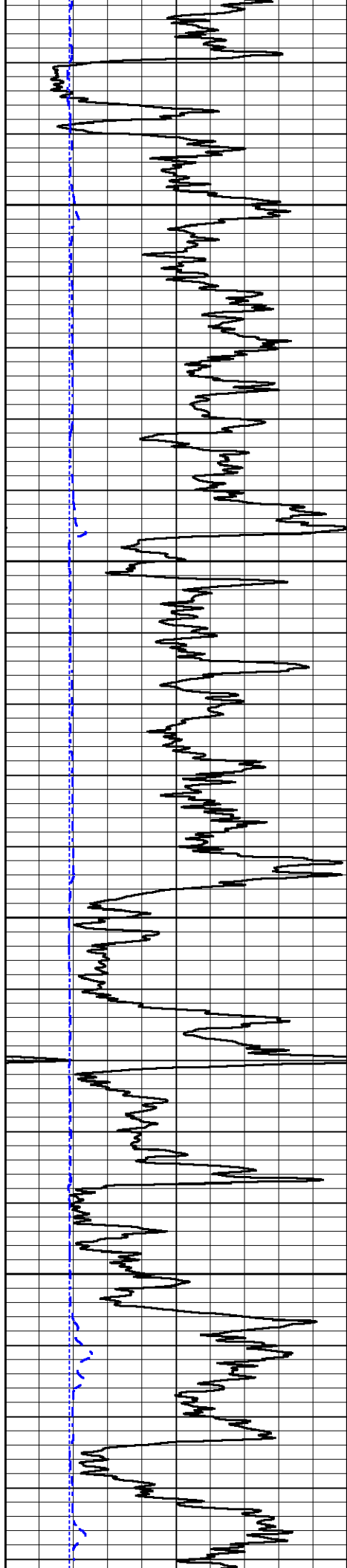










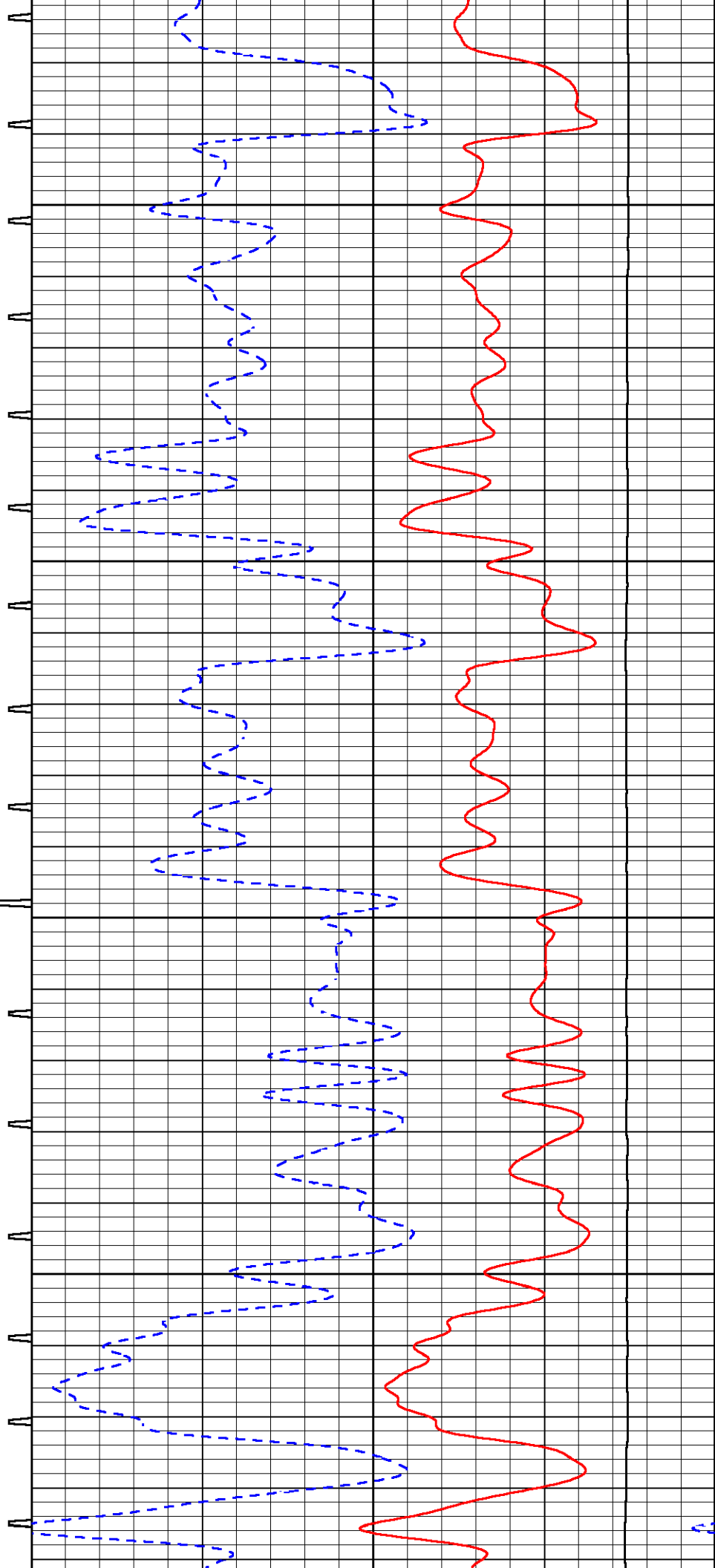


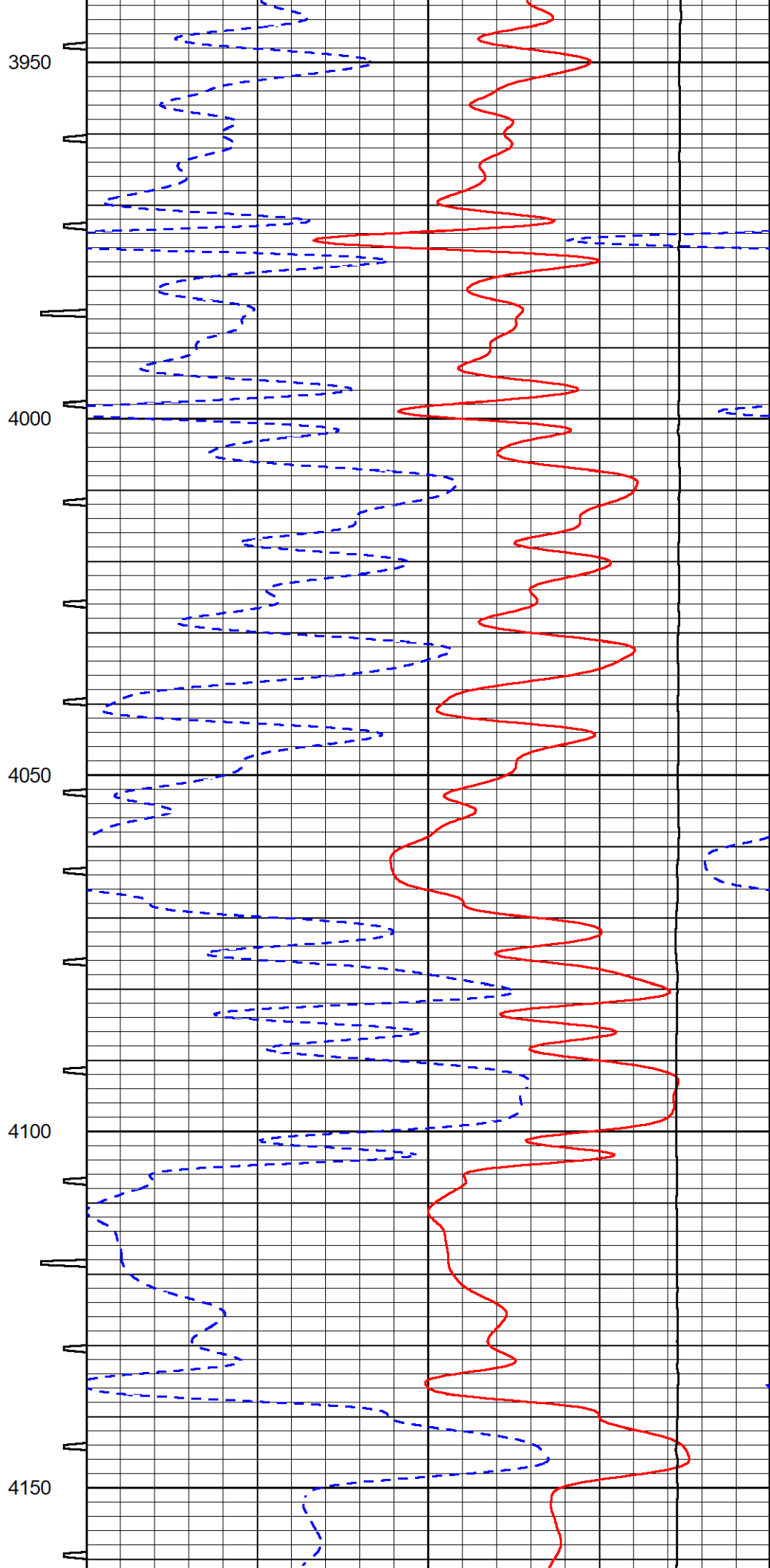
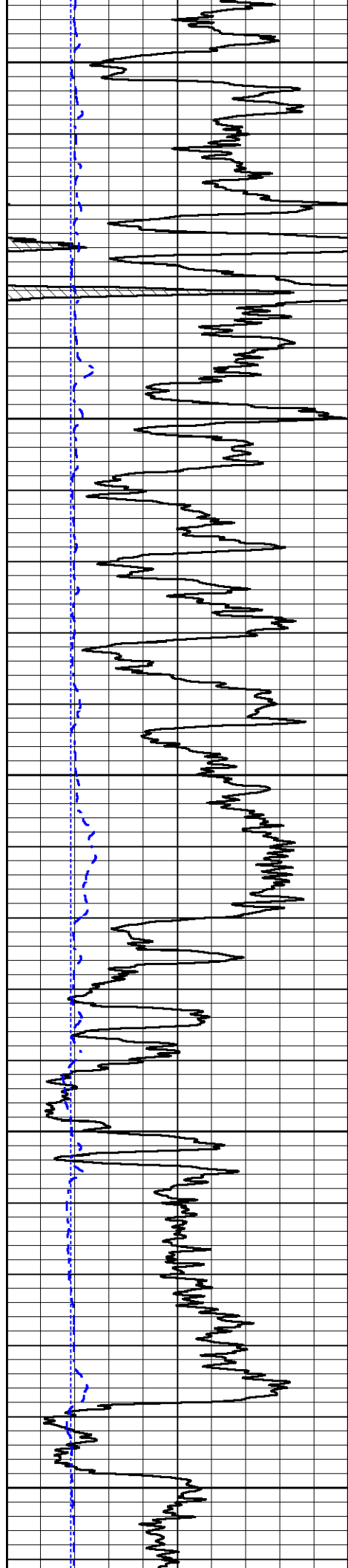
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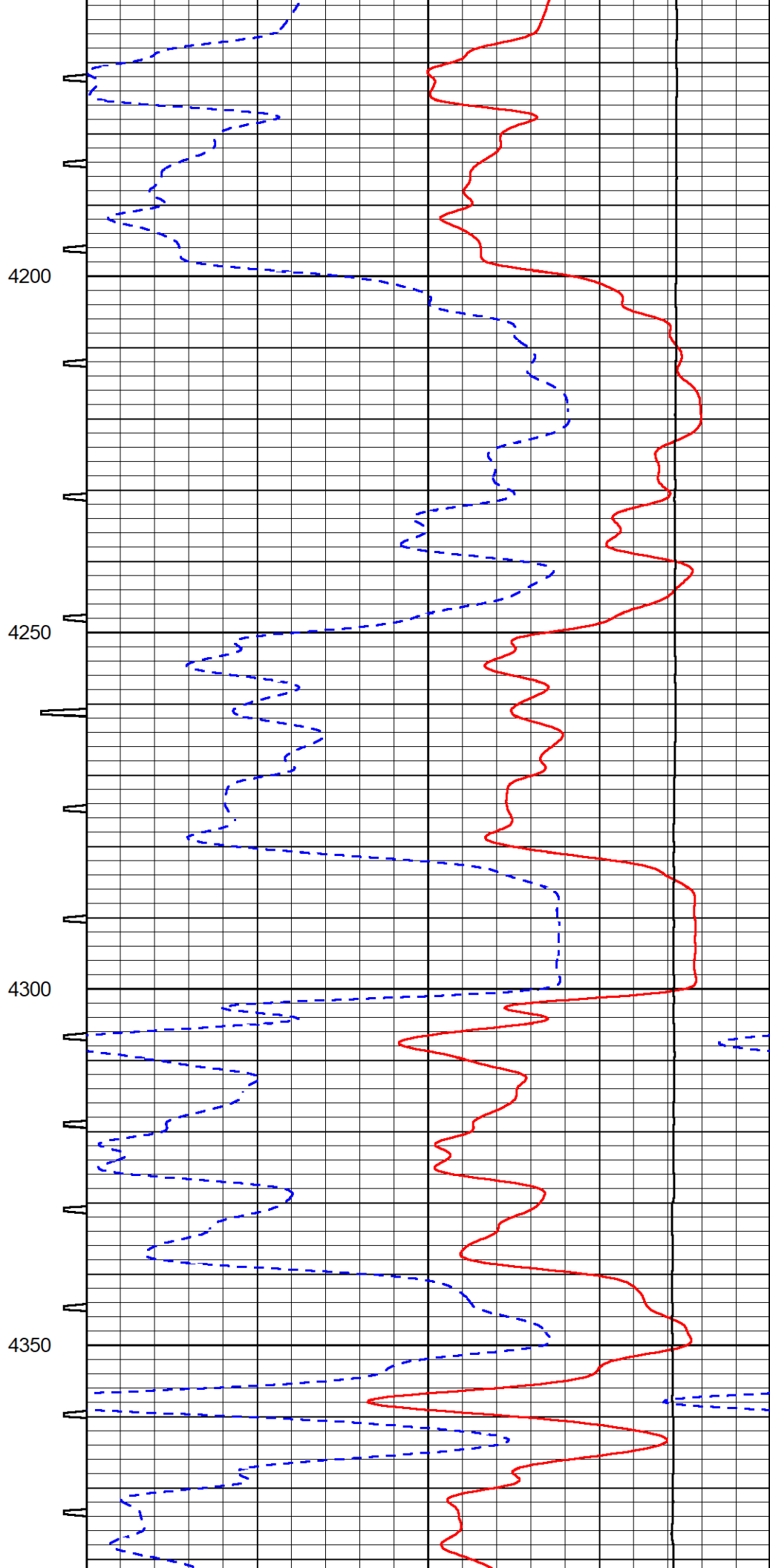
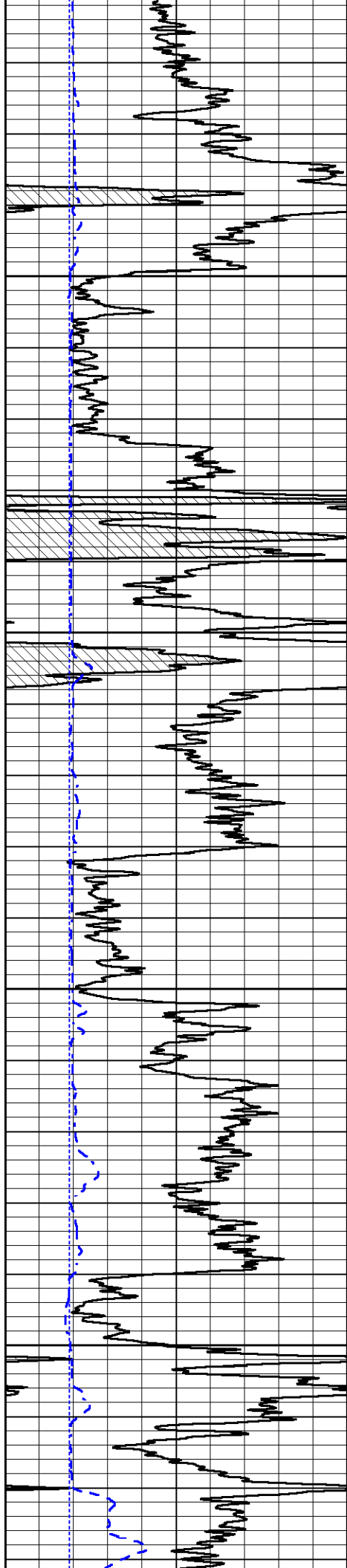
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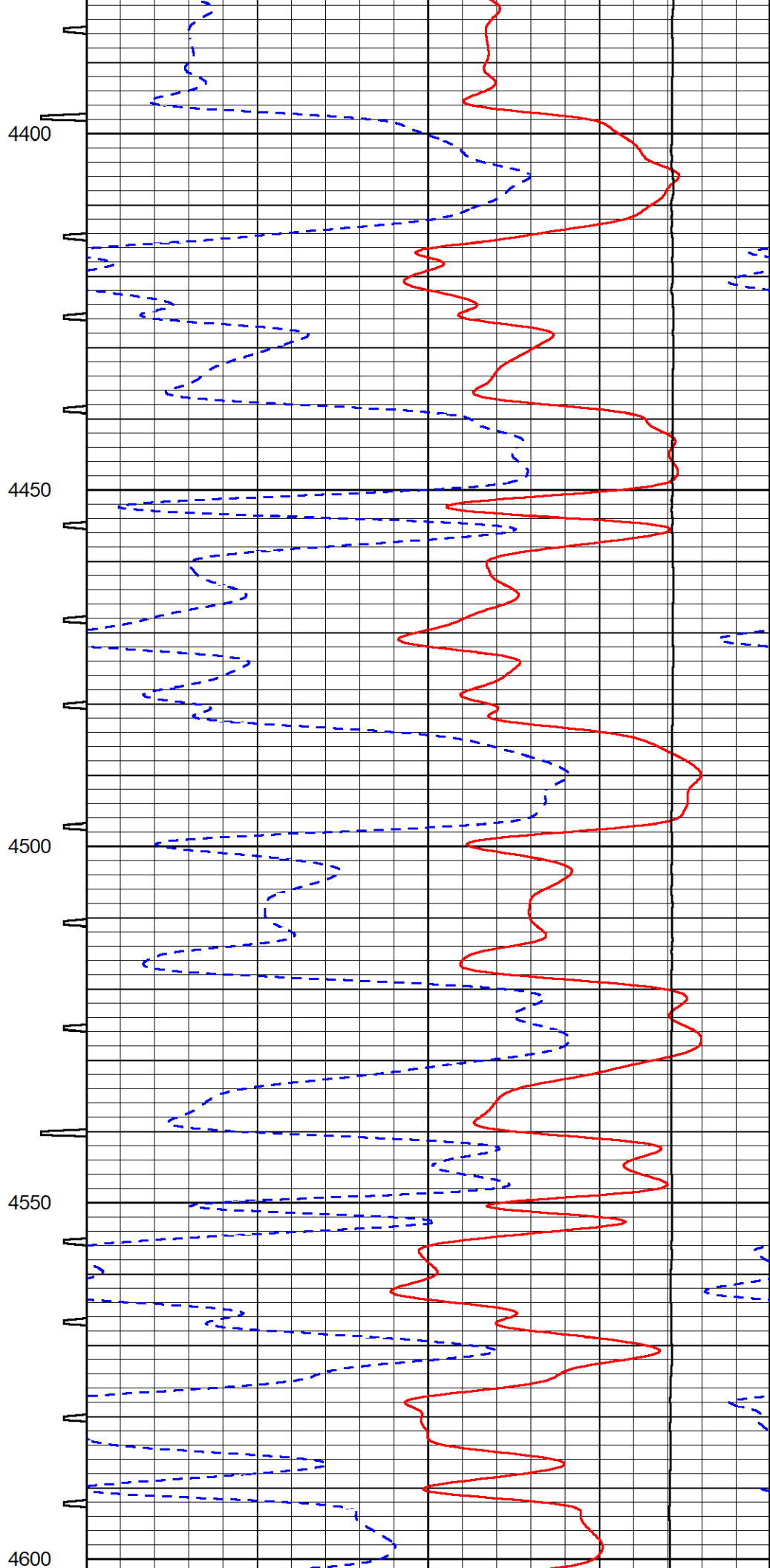
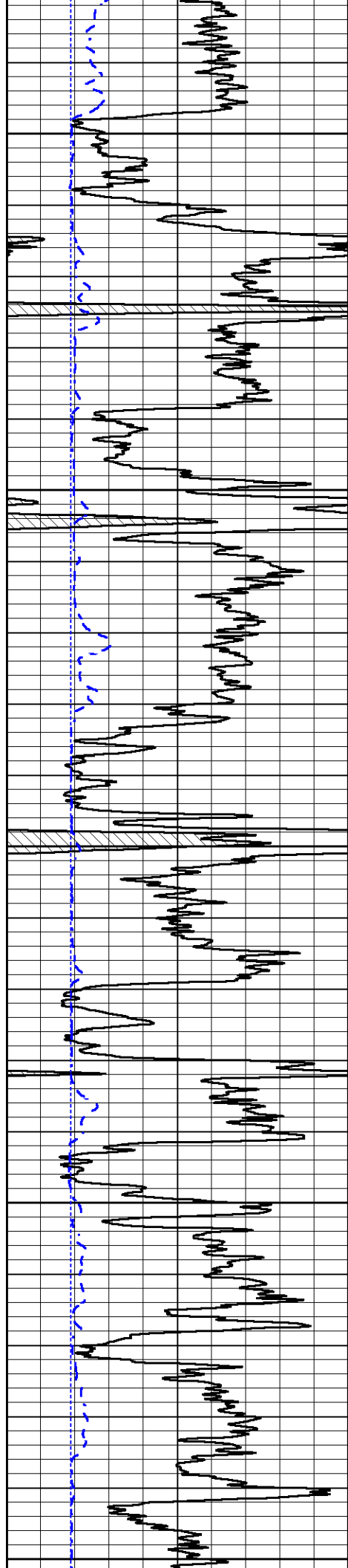
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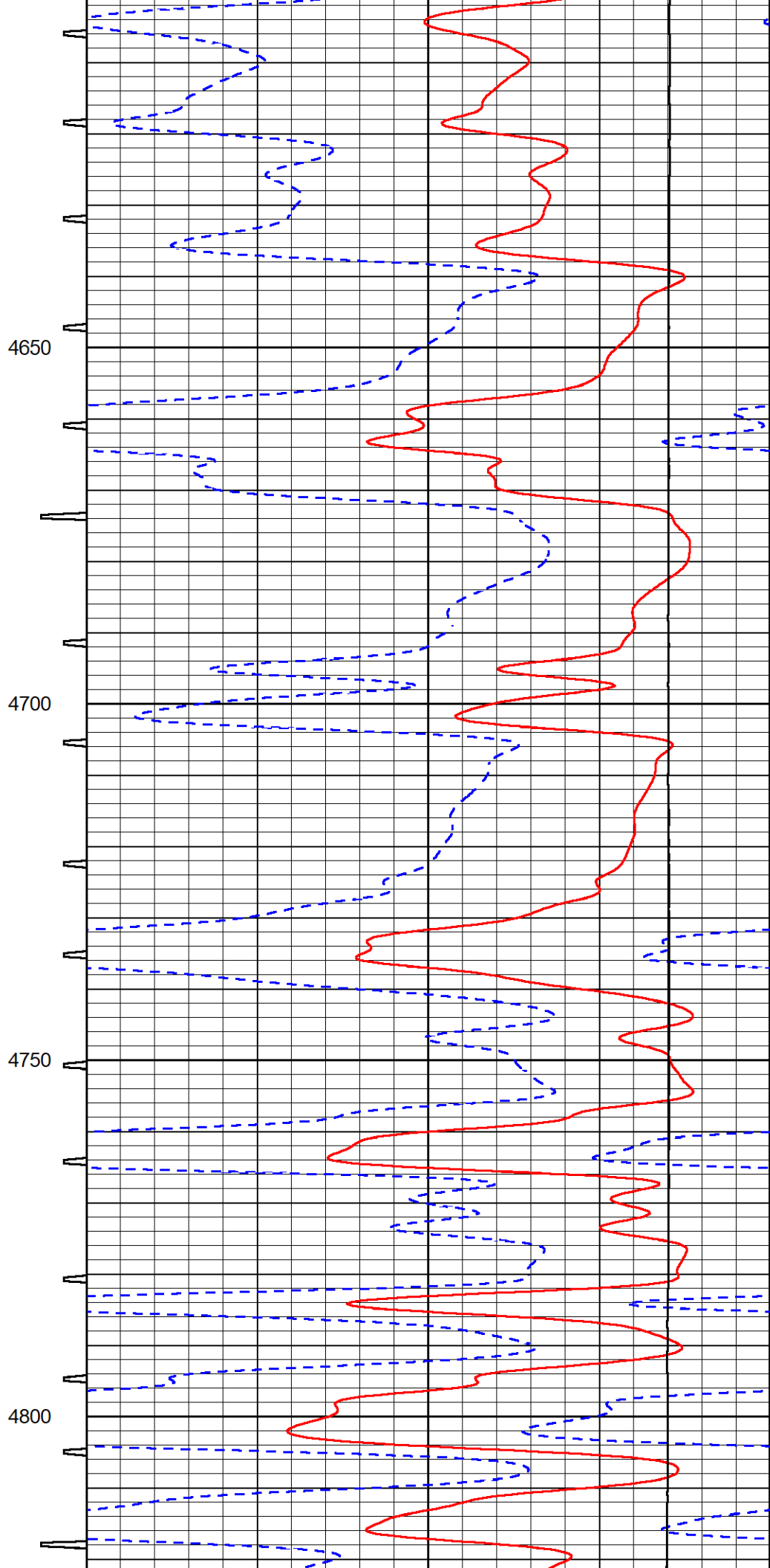
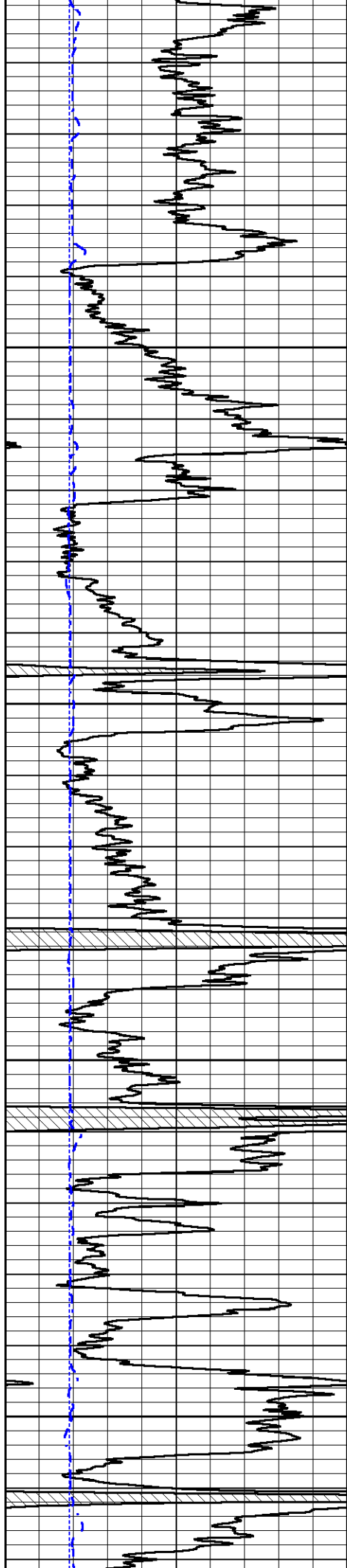
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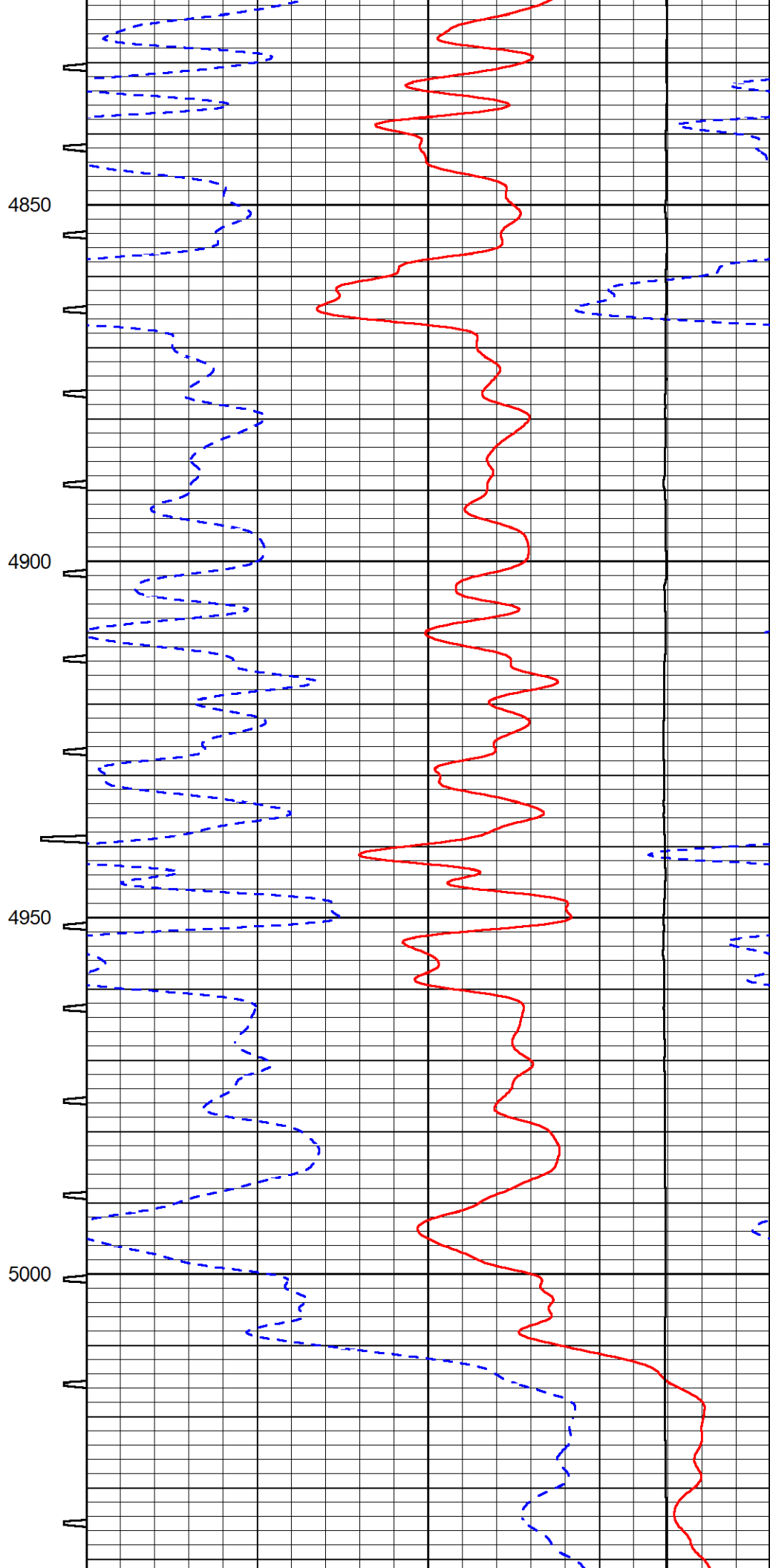
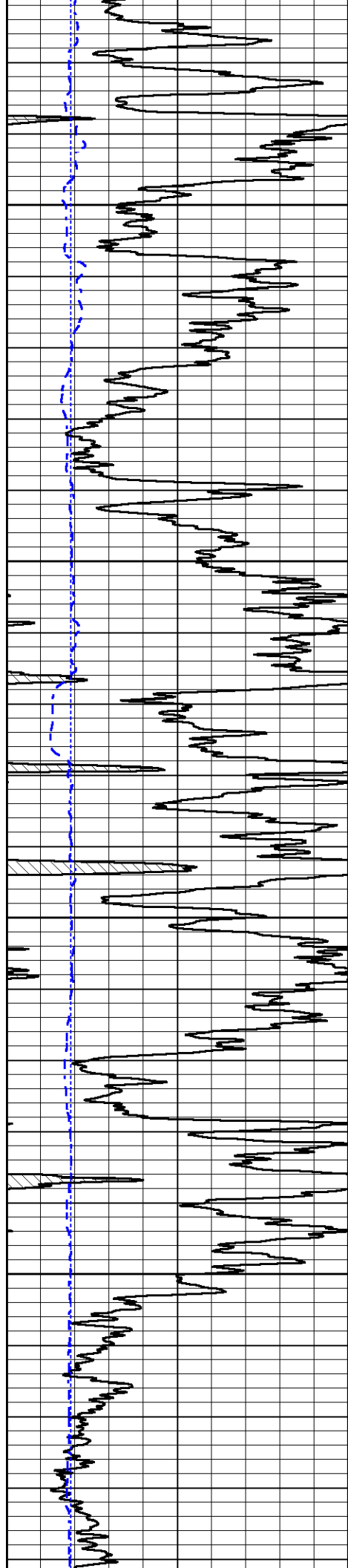


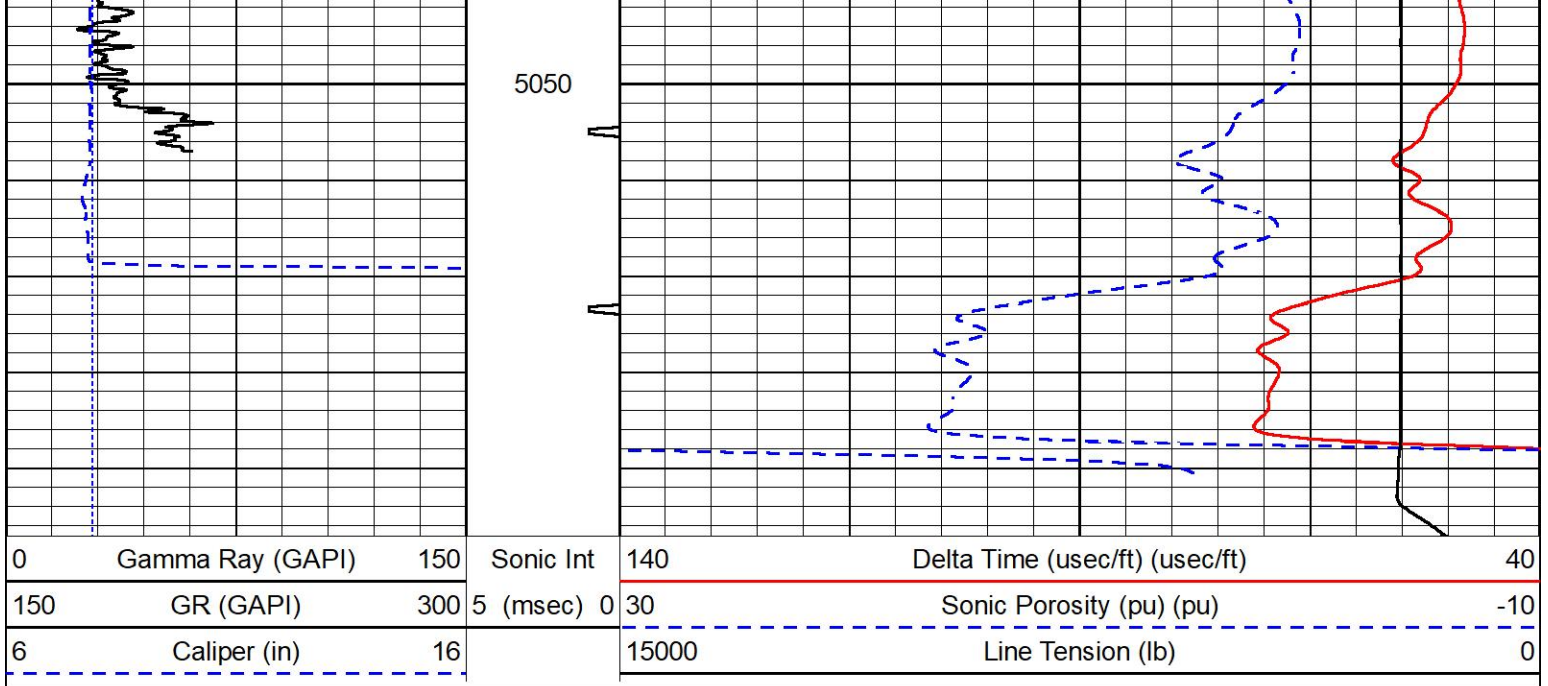












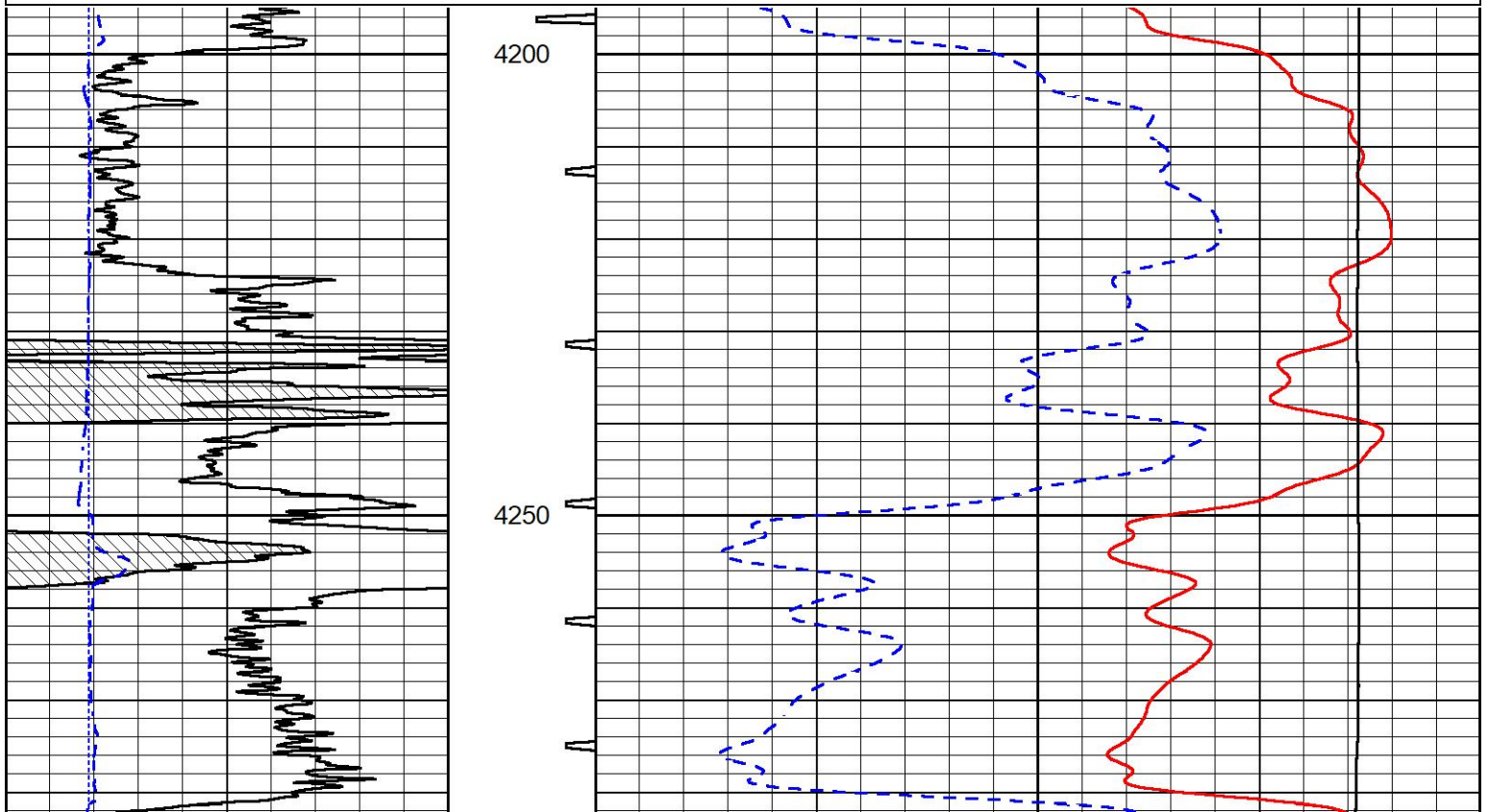
MIDWEST WIRELINE

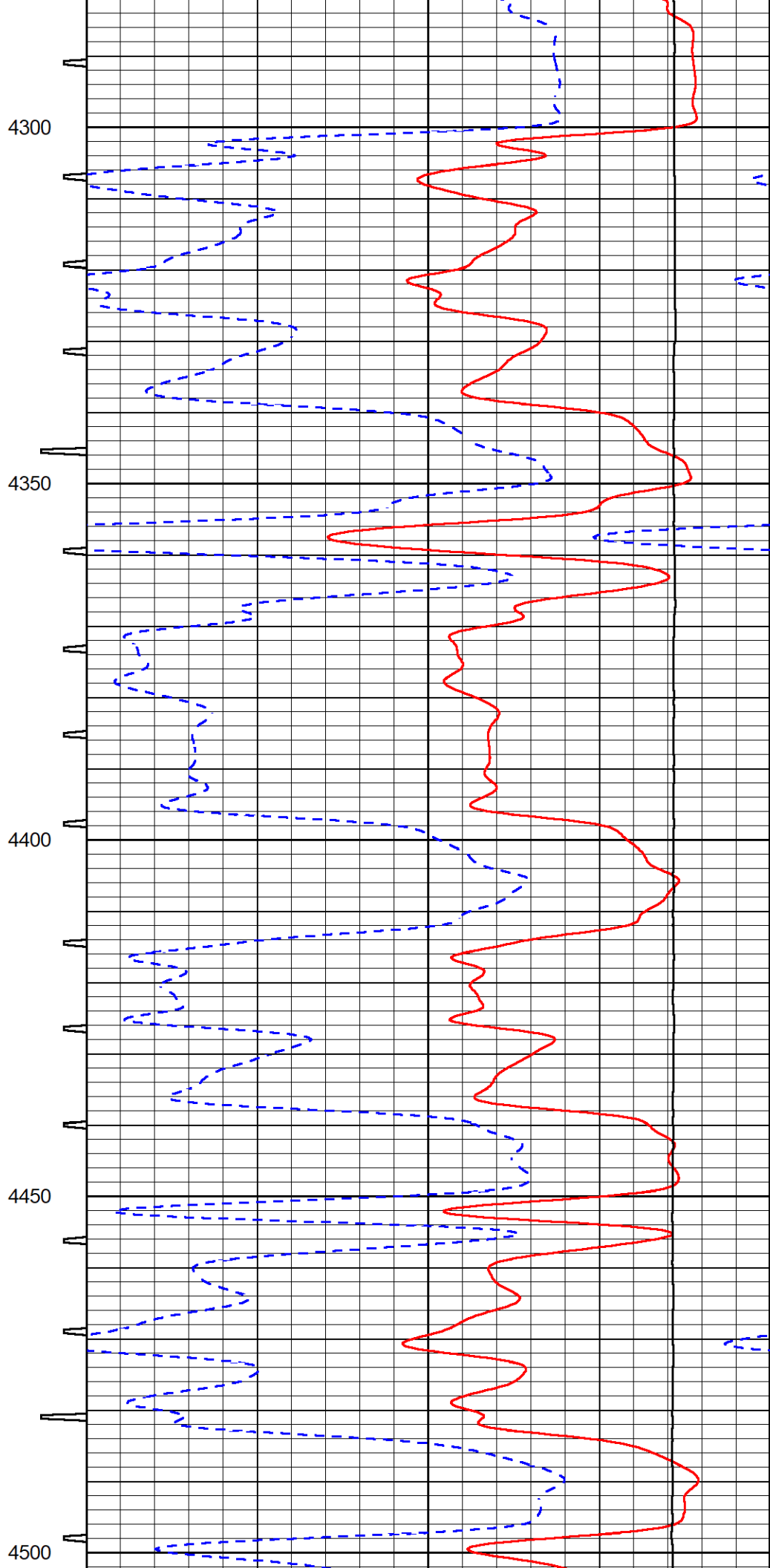
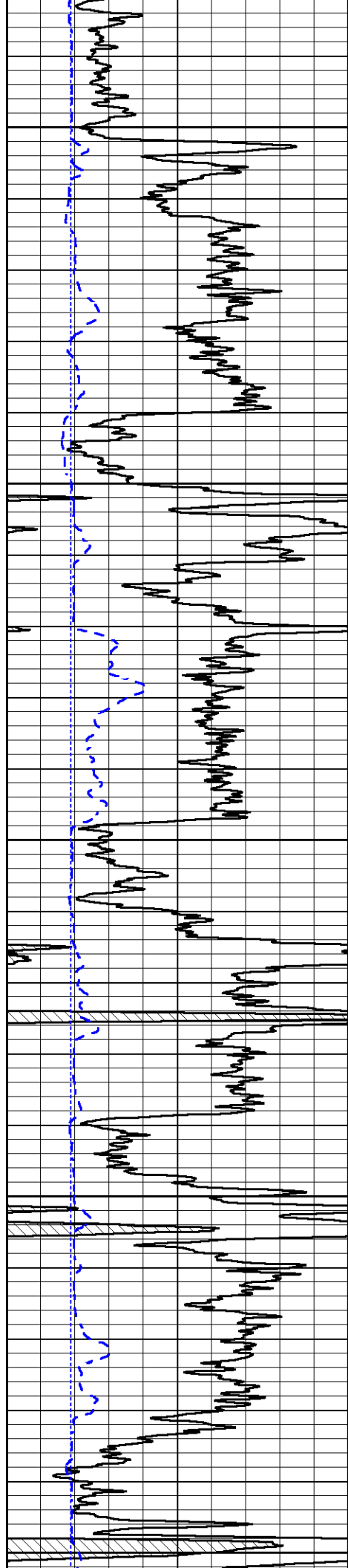
REPEAT SECTION

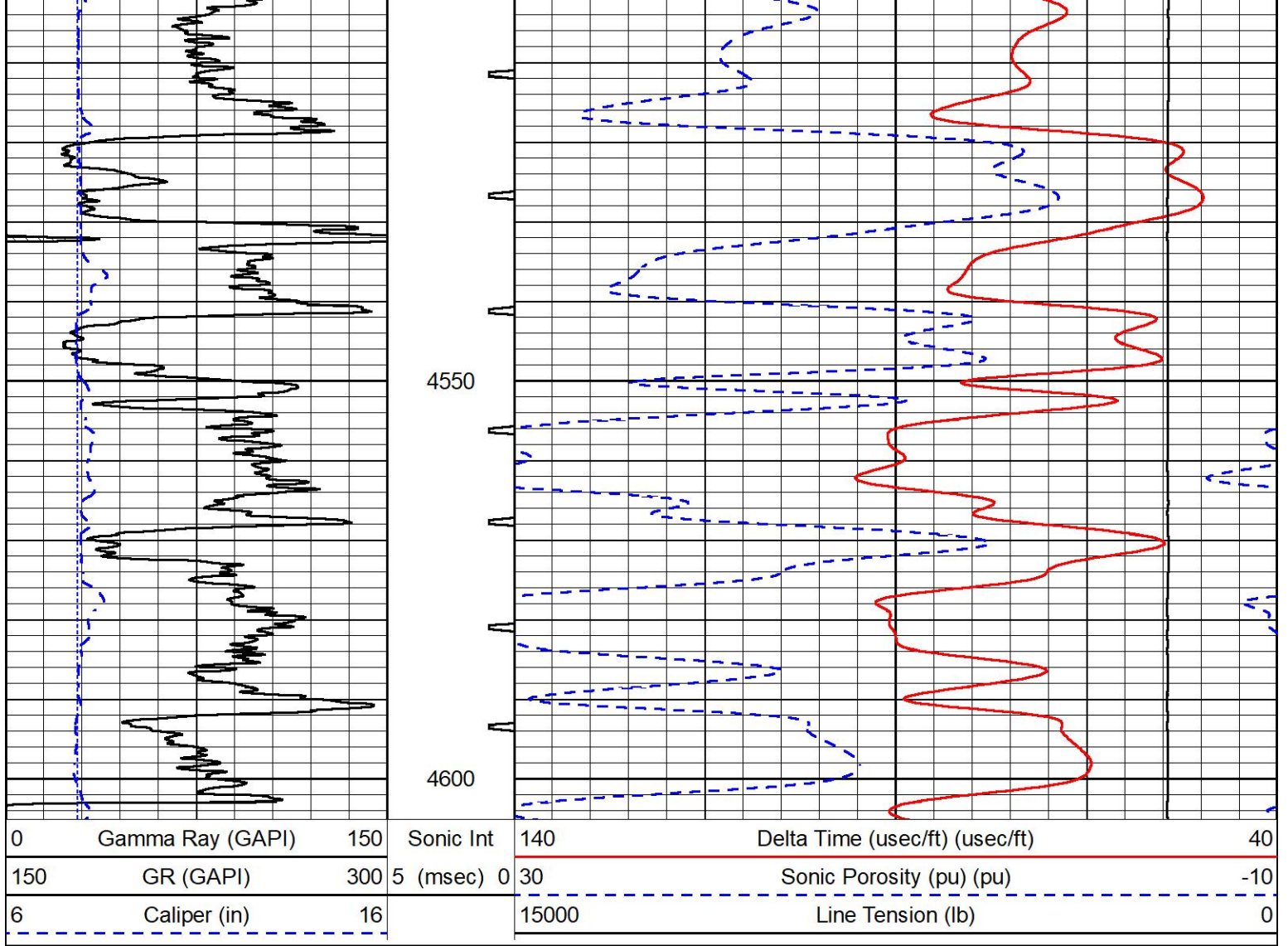
REPEAT PASS

Database File murfin_carolyn a #4-24.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _sonic
 Dataset Creation Sat Mar 19 18:14:10 2022
 Charted by Depth in Feet scaled 1:240

| | | | | | | |
|-----|------------------|-----|------------|-------|--------------------------------|-----|
| 0 | Gamma Ray (GAPI) | 150 | Sonic Int | 140 | Delta Time (usec/ft) (usec/ft) | 40 |
| 150 | GR (GAPI) | 300 | 5 (msec) 0 | 30 | Sonic Porosity (pu) (pu) | -10 |
| 6 | Caliper (in) | 16 | | 15000 | Line Tension (lb) | 0 |







MIDWEST WIRELINE

Company Murfin Drilling Company, Inc.
 Well Carolyn A #4-24
 Field Unnamed
 County Cheyenne
 State Kansas