



**RADIAL BOND LOG
WITH GAMMA RAY**

Comp. ANADARKO PETROLEUM CORP
Well SWEETGRASS 14-14
Field WATTENBERG
Co. WELD
State CO

Company **ANADARKO PETROLEUM CORP**
Well **SWEETGRASS 14-14**
Field **WATTENBERG**
County **WELD** State **CO**

Location: API #: 05-123-32855
SEC 14 TWP 1N RGE 68W
NW/SW
PERF
Permanent Datum GL
Log Measured From KB 15' Elevation 5105'
Drilling Measured From KB Above Perm. Datum
K.B. 5120'
D.F. 5119'
G.L. 5105'

| | | | | |
|---------------------------|-----------------|-------|---------|--------|
| Date of Service | JUNE 9TH, 2025 | | | |
| Run Number | ONE | | | |
| Depth Driller or P8TD | 8810' | | | |
| Depth Logger | 5104' | | | |
| Bottom Log Interval | 5100' | | | |
| Top Log Interval | SURFACE | | | |
| Open Hole Size | 7.875" | | | |
| Type Fluid | WATER | | | |
| Fluid Level | SURFACE | | | |
| Fluid Density | 8.3# | | | |
| Max. Recorded Temperature | 147° F | | | |
| Max. Wellhead Pressure | ZERO | | | |
| Wellhead Connection | 5K FLANGE | | | |
| Estimated Cement Top | SEE LOG | | | |
| Unit Number | 5074 | | | |
| Wireline Size | 9/32" | | | |
| Location | PLATTEVILLE, CO | | | |
| Recorded By | GREG JACKSON | | | |
| Witnessed By | OSCAR MOLINAR | | | |
| Tubing Record | Size | WV/Ft | Top | Bottom |
| Surface Casing | 8-5/8 | 24# | SURFACE | 1192' |
| Production Casing | 4-1/2 | 11.6# | SURFACE | 8785' |
| Liner Record | | | | |

<<< Fold Here >>>

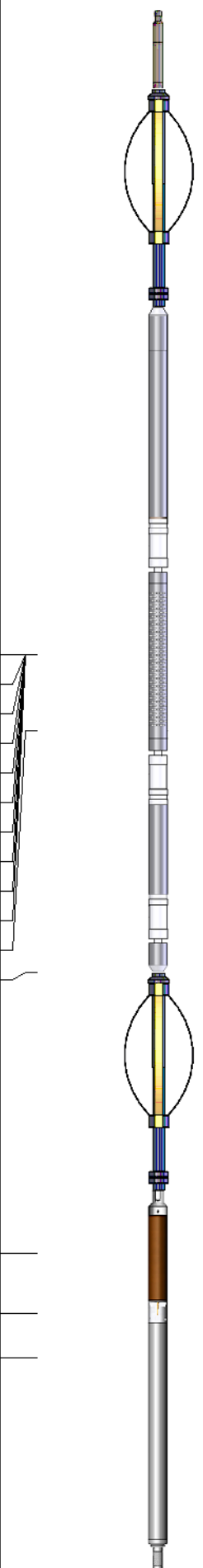
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOG CORRELATED TO EXISTING BOND LOG OFF STATE SITE

THANK YOU FOR USING PIONEER ENERGY SERVICES!

| | | |
|--|---|----------------------|
| <p>Your Pioneer Energy Services Crew</p> <p>Engineer: G. JACKSON Operator: M. LLAMAS Operator: B. MATCHETT Operator:</p> | <p>Tool Data - Services</p> <p>BOND GAMMA RAY/CCL</p> | <p>Serial Number</p> |
|--|---|----------------------|

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|----------|-------------|---|---|-------------|-----------|-------------|
| | |  | Cable Head-Titan_144 1 7/16" Titan Cable Head | 1.03 | 1.44 | 2.00 |
| | | | Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer | 2.88 | 2.75 | 15.00 |
| WVFS8 | 12.09 | | PROBE-RBT-DIGITAL-RBL-DC (FW1304-34) Probe 2 3/4" Radii Bond-Corrosion Package | 8.75 | 2.75 | 100.00 |
| WVFS7 | 12.09 | | | | | |
| WVFS6 | 12.09 | | | | | |
| WVFS5 | 12.09 | | | | | |
| WVFS4 | 12.09 | | | | | |
| WVFS3 | 12.09 | | | | | |
| WVFS2 | 12.09 | | | | | |
| WVFS1 | 12.09 | | | | | |
| WVFCAL | 12.09 | | | | | |
| WVF3FT | 12.09 | | | | | |
| WVF5FT | 11.09 | | | | | |
| HEADVOLT | 7.90 | | | | | |
| | | | Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer | 2.88 | 2.75 | 15.00 |
| CCL | 4.20 | | | | | |
| GCT_TEMP | 3.41 | | | | | |
| GR | 2.83 | | PROBE-GR/CCL-DIGITAL-275 Probe GCT (140181) Probe 2 3/4" Gamma Ray/Temp/CCL | 4.69 | 2.75 | 60.00 |
| | | | Bullnose-PROBE Probe Go Pin Pressure Cap | 0.33 | 1.38 | 1.00 |

Dataset: oxy_sweetgrass 14-14_rcbl_5000ft-0ft_Opsi_6-9-25.db: field/well/run1/merge1
 Total length: 20.56 ft
 Total weight: 193.00 lb
 O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\oxy_sweetgrass 14-14_rcbl_5000ft-0ft_0psi_6-9-25.d
 Dataset field/well/run1/merge1/_vars_

Top - -2.80 ft

| | | | | | | |
|------------------------------|-----------------------------|--------------------------|-----------------------------|-------------------------------|---------------------------|---------------------------|
| BOREID in 0 | BOTTEMP degF 0 | CASEOD in 0 | CASETHCK in 0 | CASEWGHT lb/ft 0 | MAXAMPL mV 0 | MINAMPL mV 0 |
| MINATTN db/ft 0 | PERFS No | PPT usec 0 | SRFTEMP degF 0 | TDEPTH ft 0 | | |

-2.80 ft - 468.00 ft

| | | | | | | |
|---------------------------------|-------------------------------|----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|
| BOREID in 7.875 | BOTTEMP degF 100 | CASEOD in 4.5 | CASETHCK in 0 | CASEWGHT lb/ft 11.6 | MAXAMPL mV 81.2 | MINAMPL mV 1 |
| MINATTN db/ft 0.08 | PERFS No | PPT usec 0 | SRFTEMP degF 0 | TDEPTH ft 0 | | |

468.00 ft - 5104.30 ft

| | | | | | | |
|---------------------------------|-------------------------------|----------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|
| BOREID in 7.875 | BOTTEMP degF 100 | CASEOD in 4.5 | CASETHCK in 0 | CASEWGHT lb/ft 11.6 | MAXAMPL mV 81.2 | MINAMPL mV 1 |
| MINATTN db/ft 0.08 | PERFS No | PPT usec 0 | SRFTEMP degF 0 | TDEPTH ft 0 | | |

5104.30 ft - Bottom

| | | | | | | |
|------------------------------|-----------------------------|--------------------------|-----------------------------|-------------------------------|---------------------------|---------------------------|
| BOREID in 0 | BOTTEMP degF 0 | CASEOD in 0 | CASETHCK in 0 | CASEWGHT lb/ft 0 | MAXAMPL mV 0 | MINAMPL mV 0 |
| MINATTN db/ft 0 | PERFS No | PPT usec 0 | SRFTEMP degF 0 | TDEPTH ft 0 | | |

Variable Description

BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 CASEWGHT : Casing Weight
 MAXAMPL : Maximum Amplitude

MINAMPL : Minimum Amplitude
 MINATTN : Minimum Attenuation
 PERFS : Perforation Flag
 PPT : Predicted Pipe Time
 SRFTEMP : Surface Temperature
 TDEPTH : Total Depth

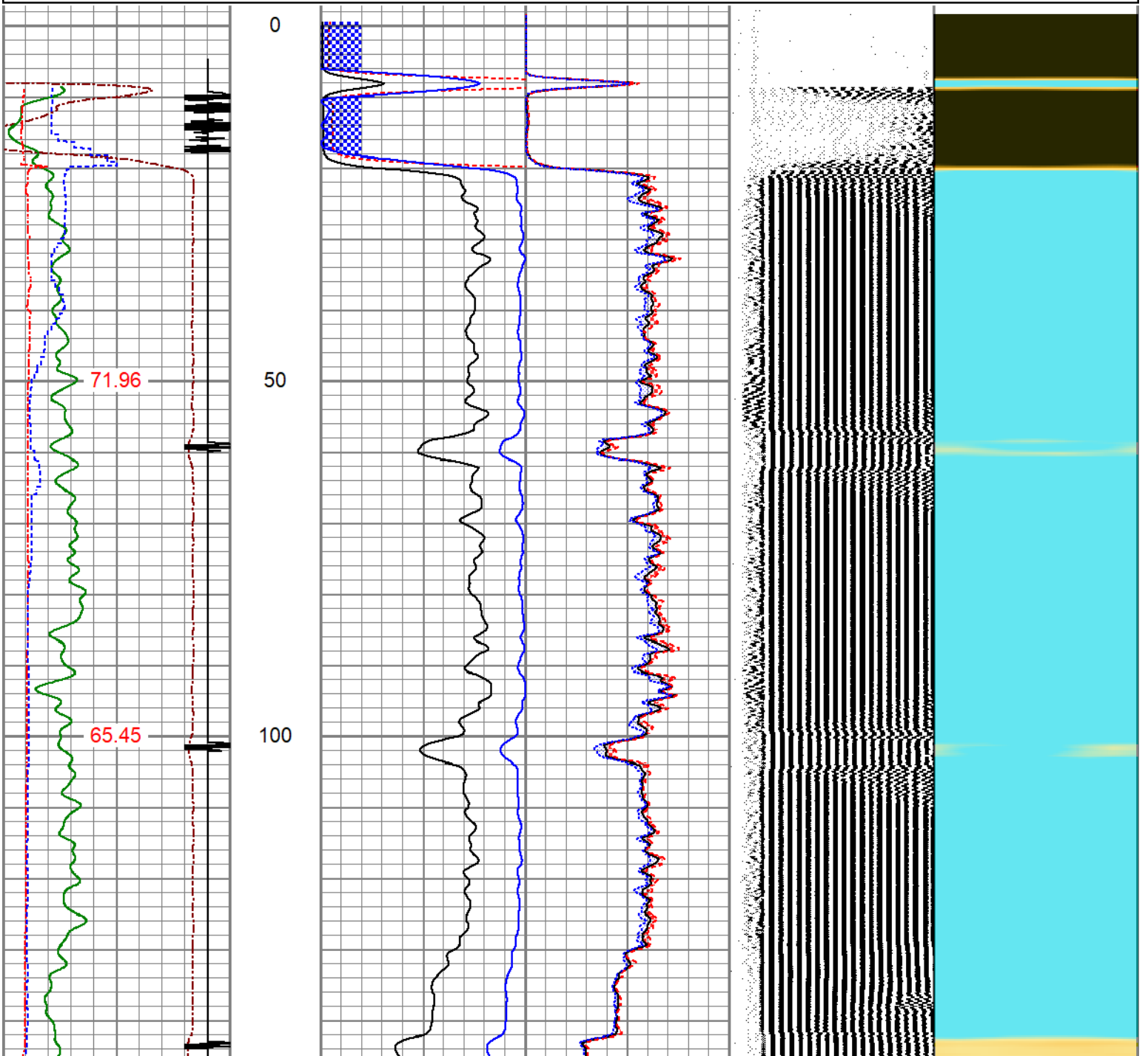


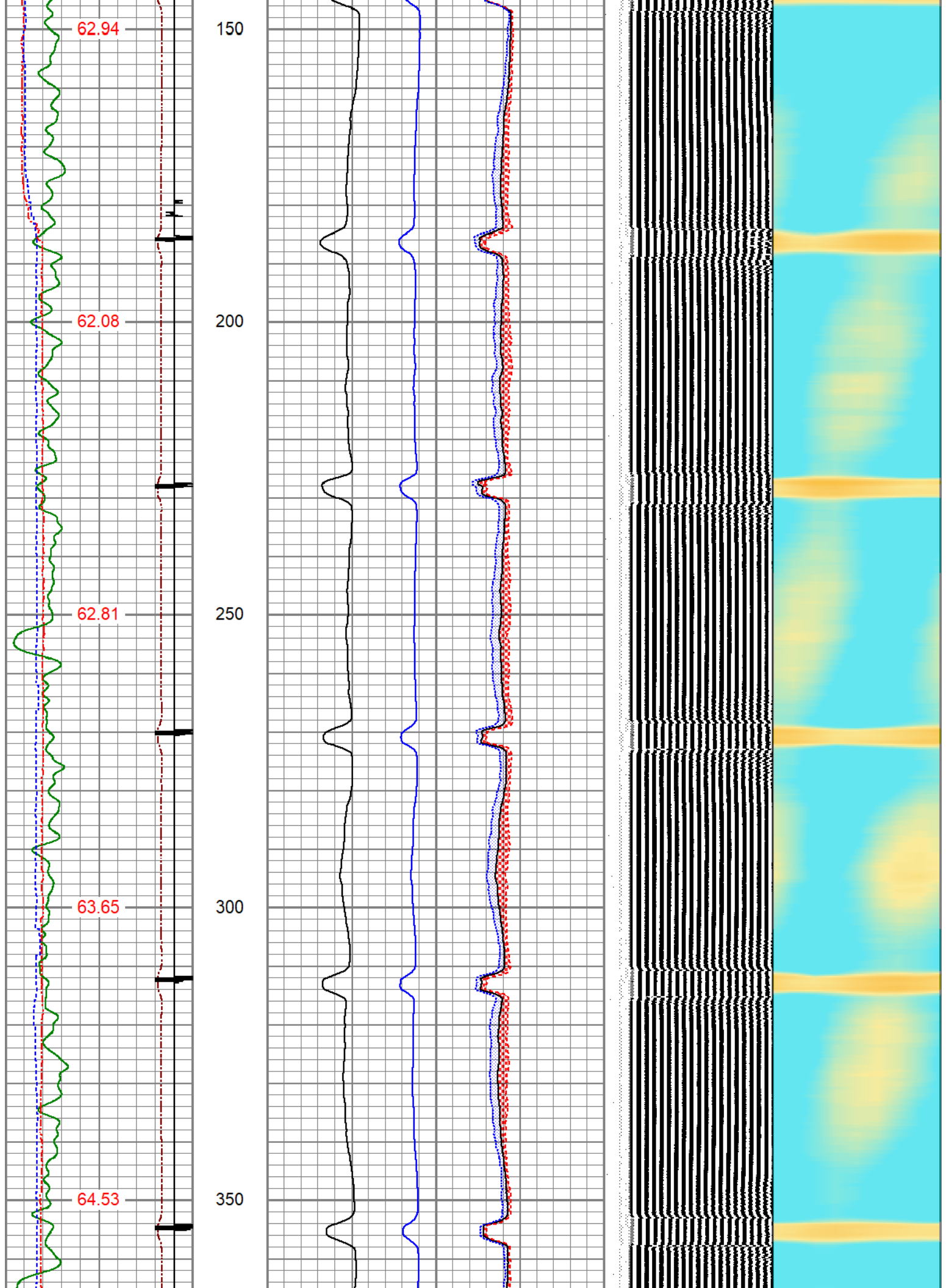
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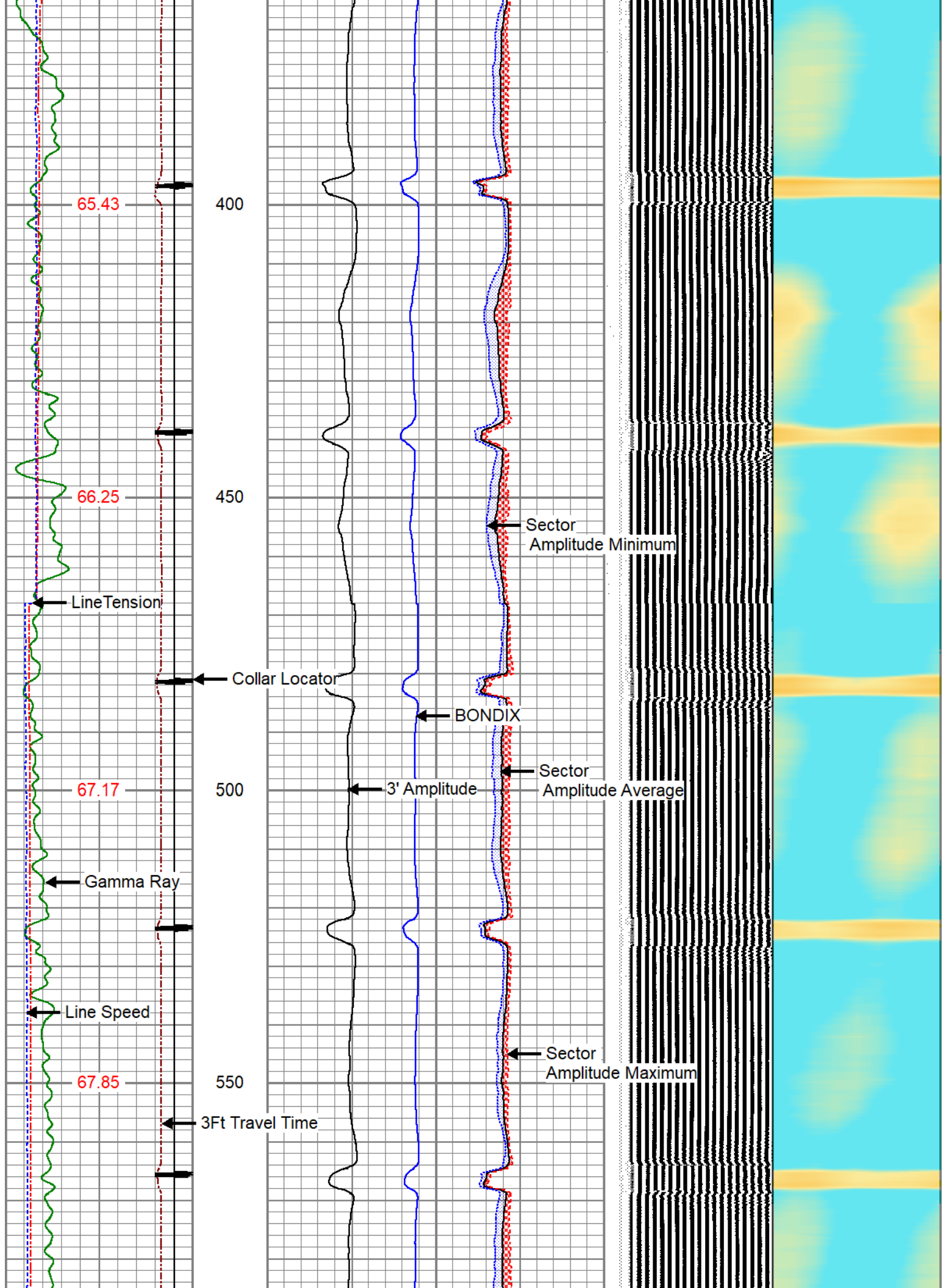
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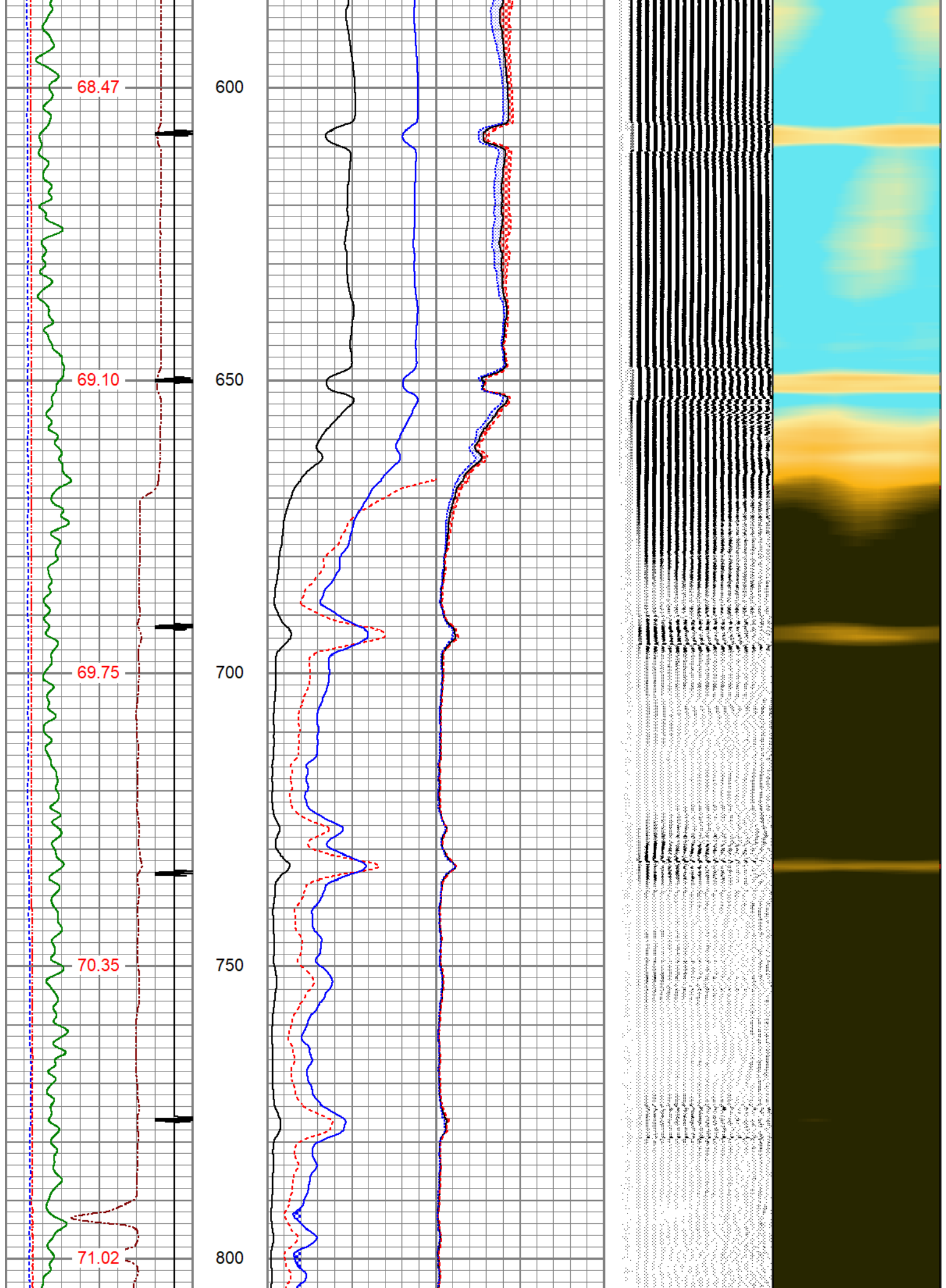
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 Dataset Creation Mon Jun 09 13:53:48 2025
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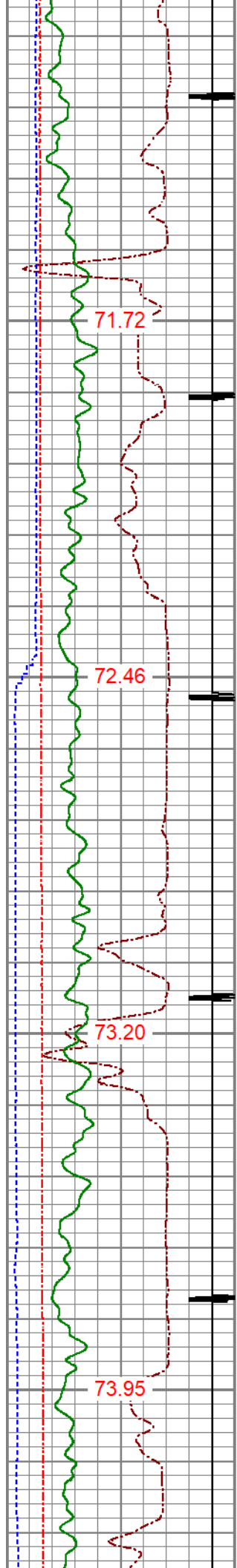
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|-----------------------------------|--|-----------------------------|-----------------|----------------|
| 3Ft Travel Time 575 (usec) 175 | 3' Amplitude 0 (mV) 100 | Sector Amplitude Average | 200 (usec) 1200 | 1 Sector Map 8 |
| -9 Collar Locator 1 | | 0 150 | | |
| Gamma Ray 0 (GAPI) 150 | 3' Amplified Amplitude X 5 0 (mV) 20 | Sector Amplitude Maximum | | |
| LineTension 0 (lb) 2000 | 1 BONDIX 0 | 0 150 | | |
| Line Speed -100 (ft/min) 100 | | Sector Amplitude Minimum | | |
| TEMP (degF) | | 0 150 | | |











850

900

950

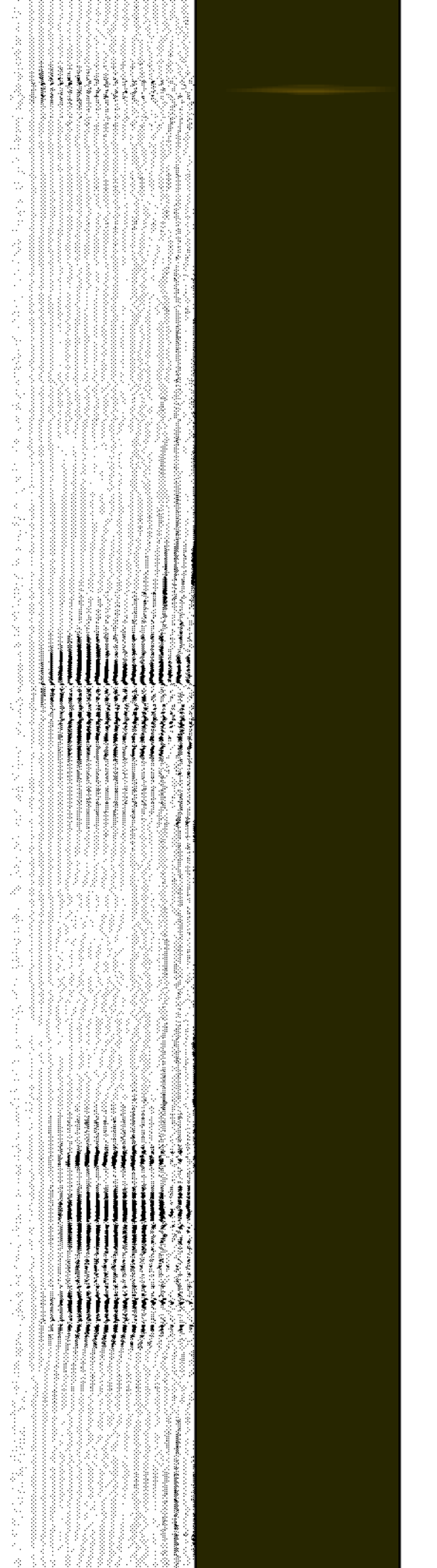
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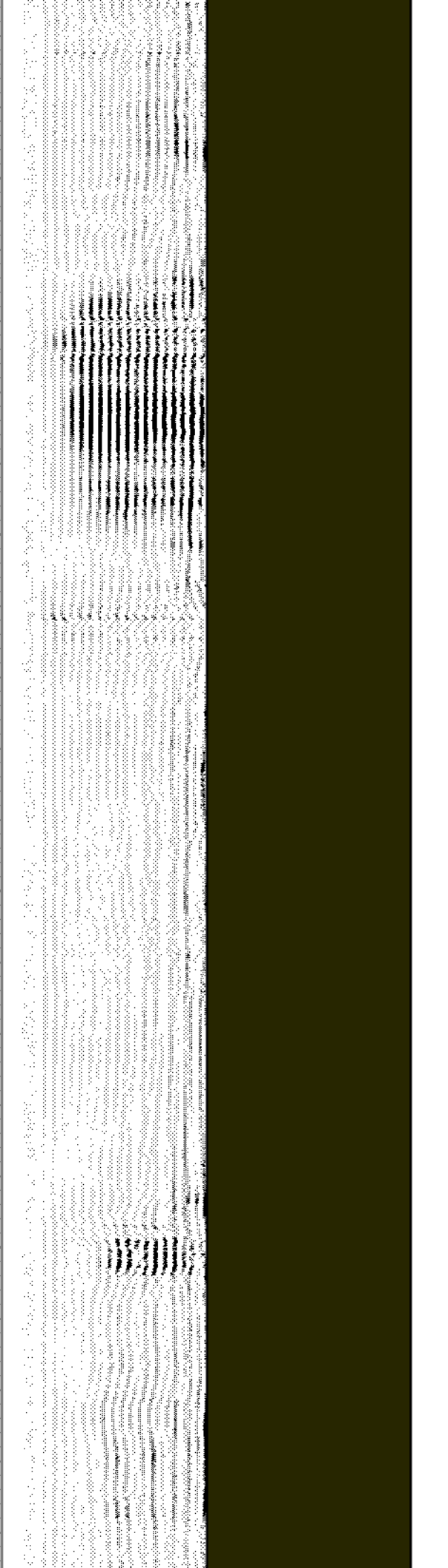
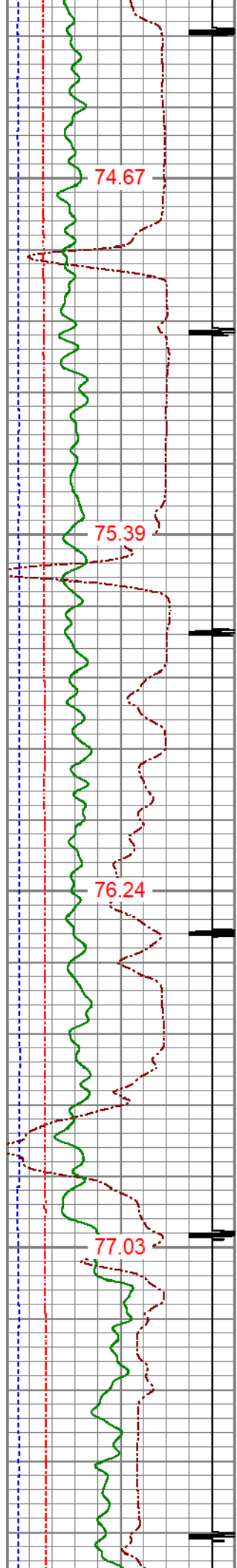
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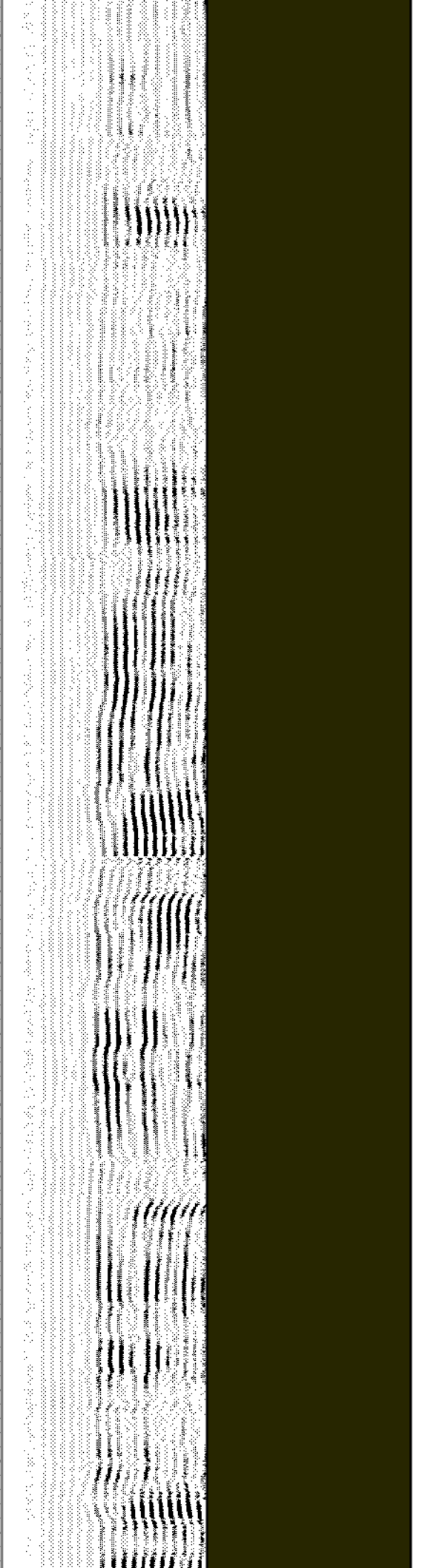
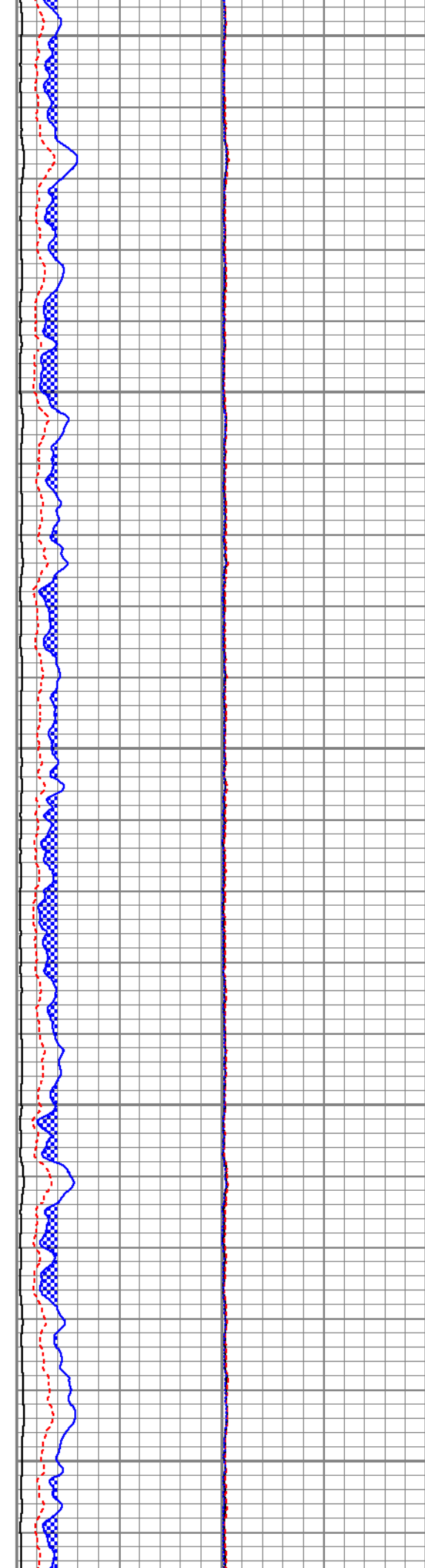
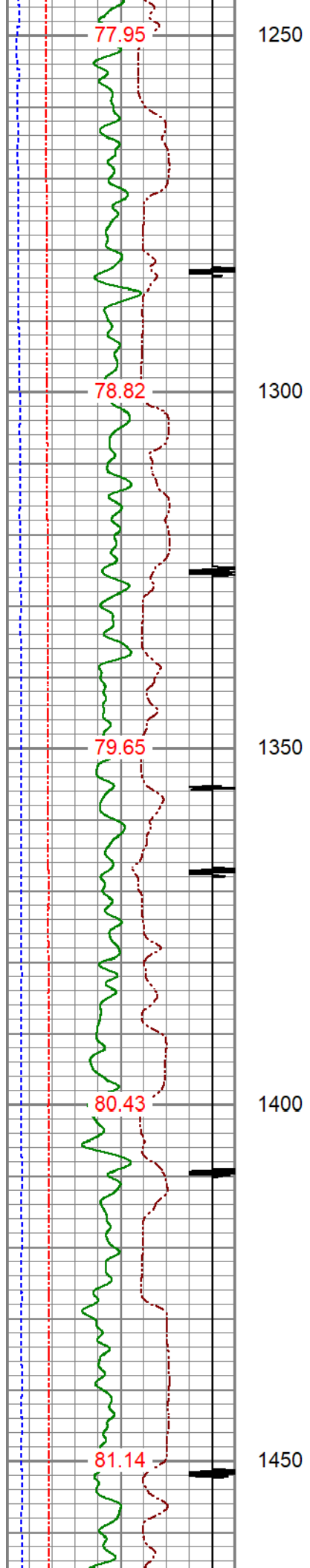
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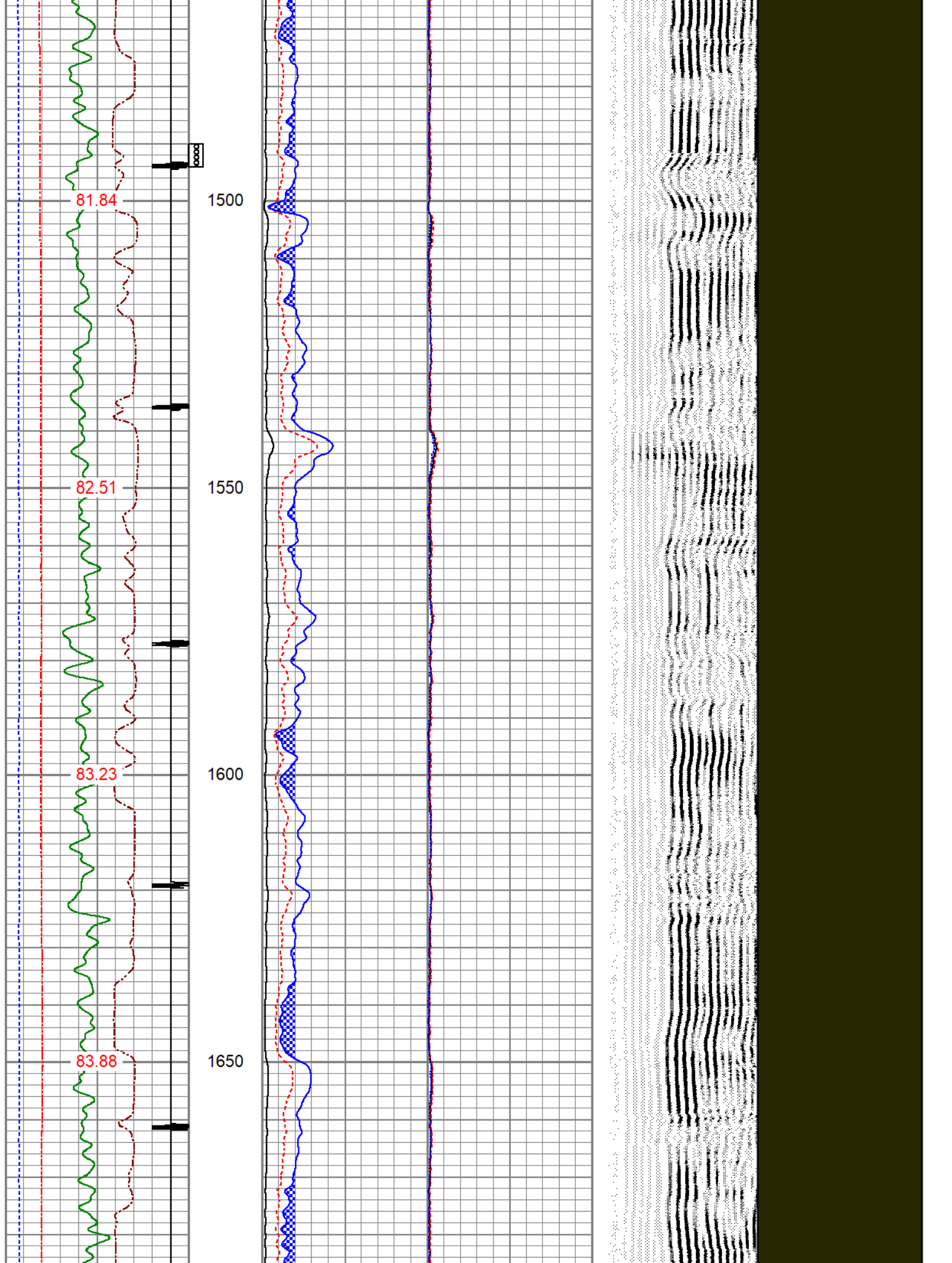
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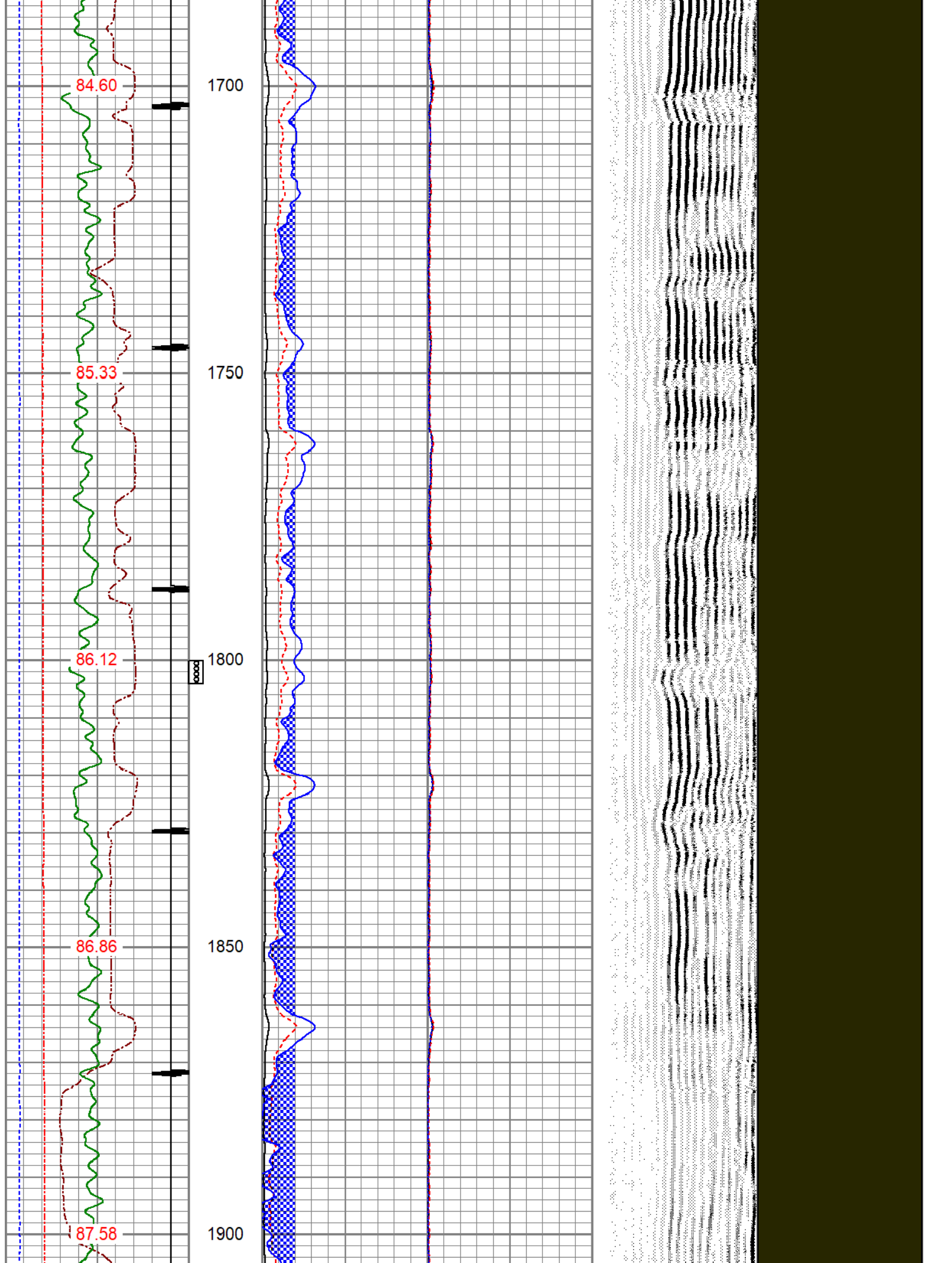
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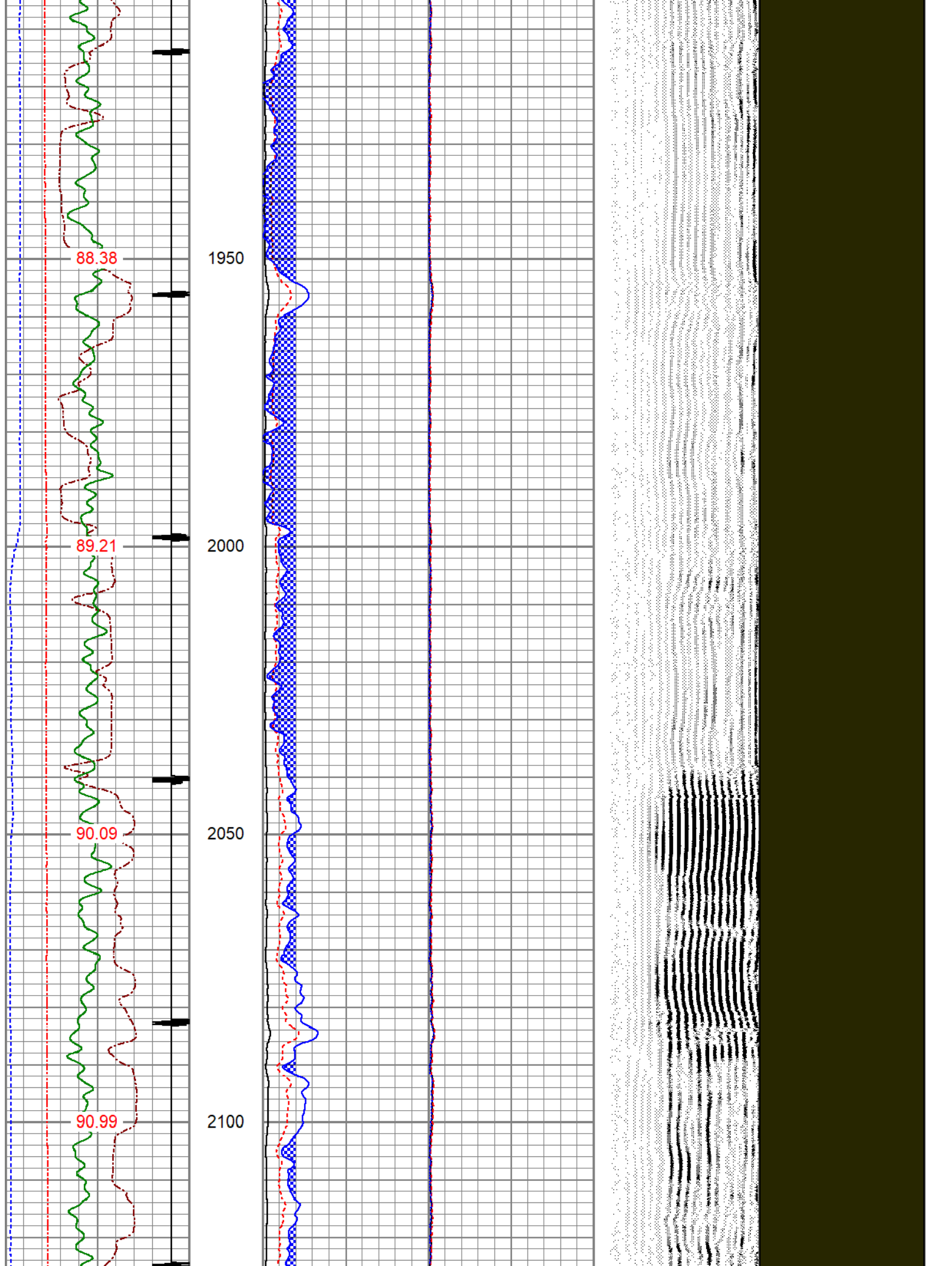


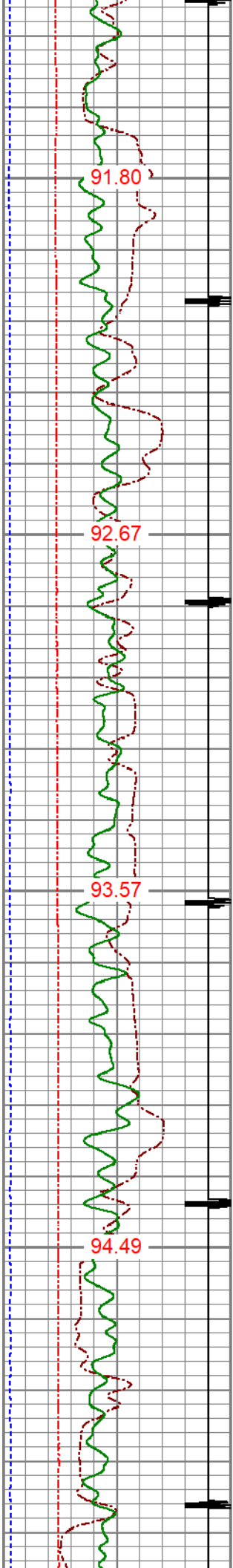




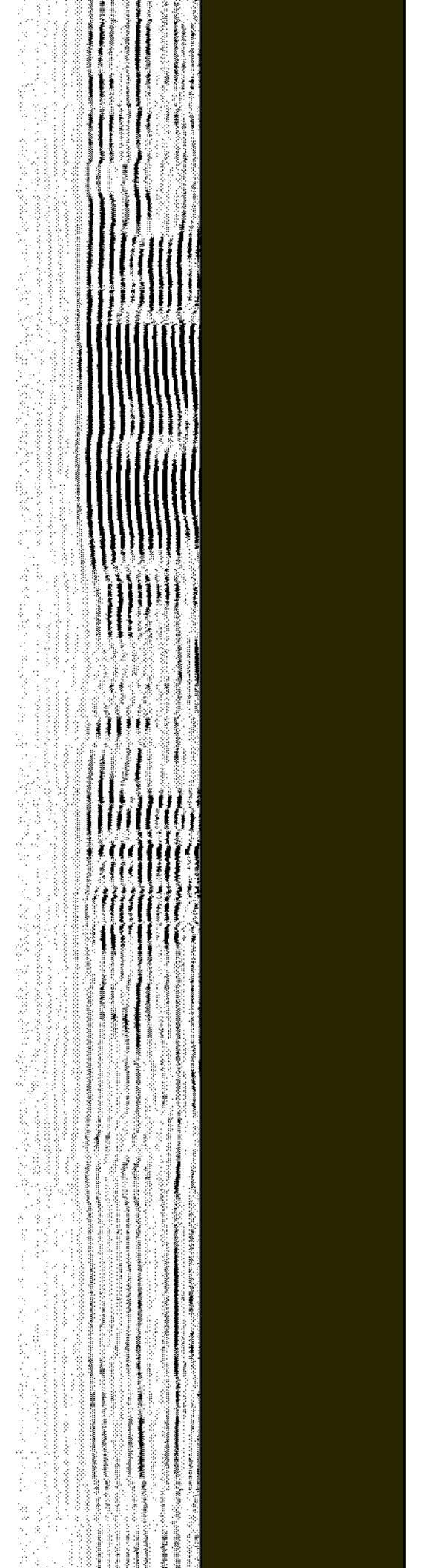
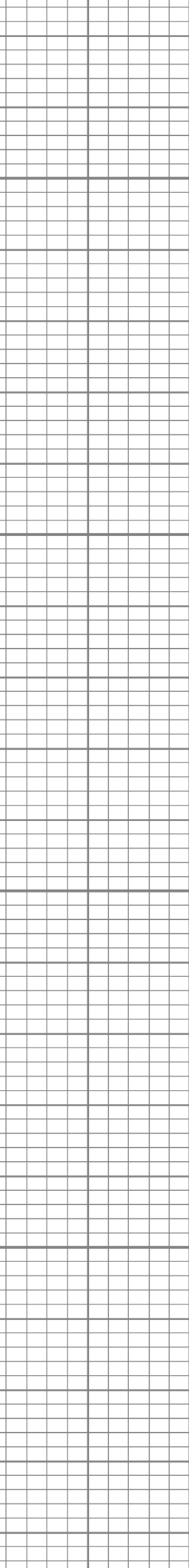
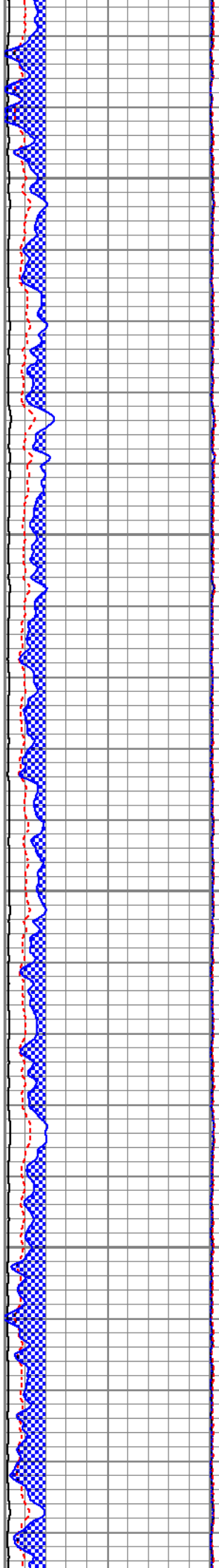


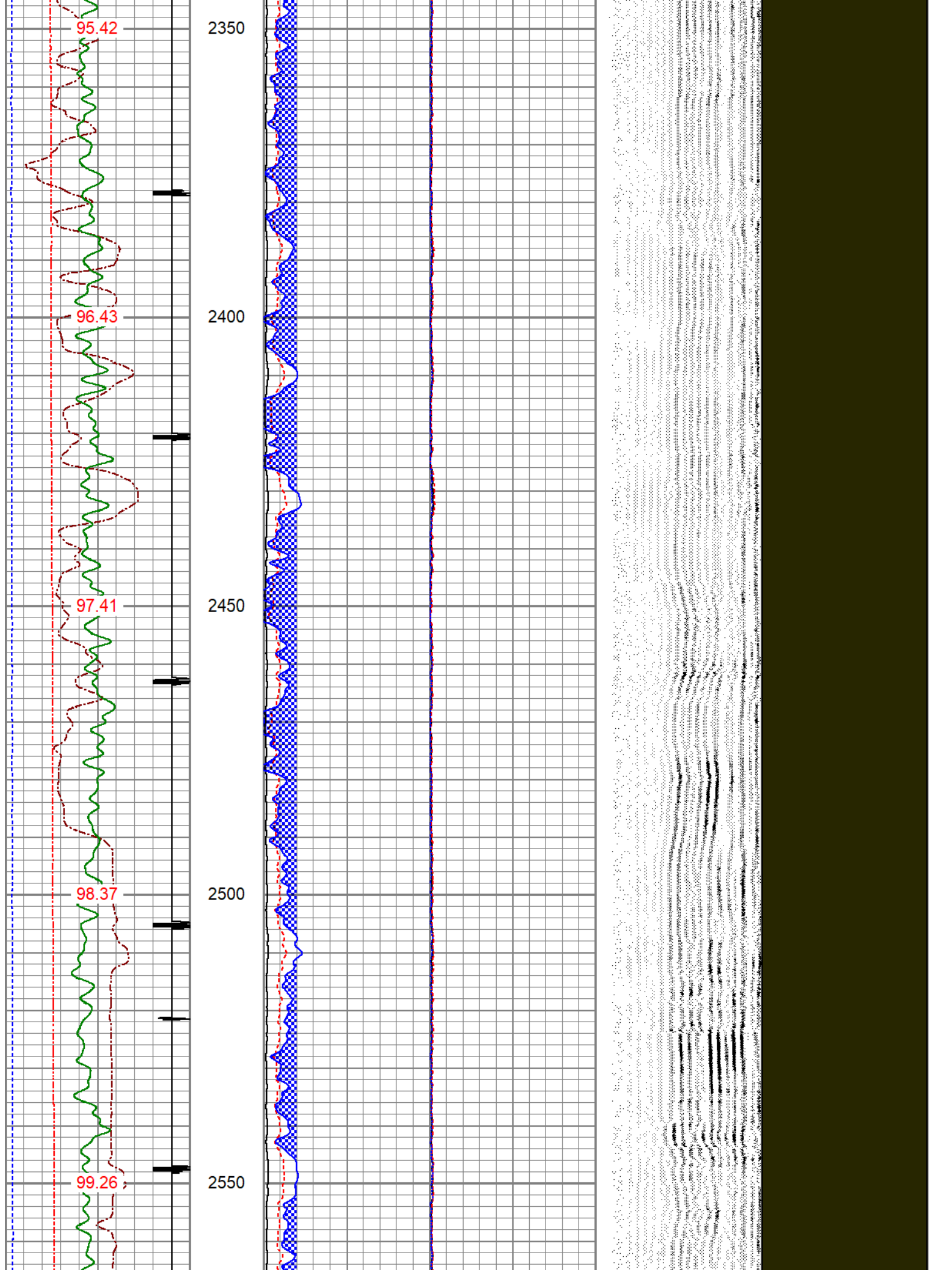


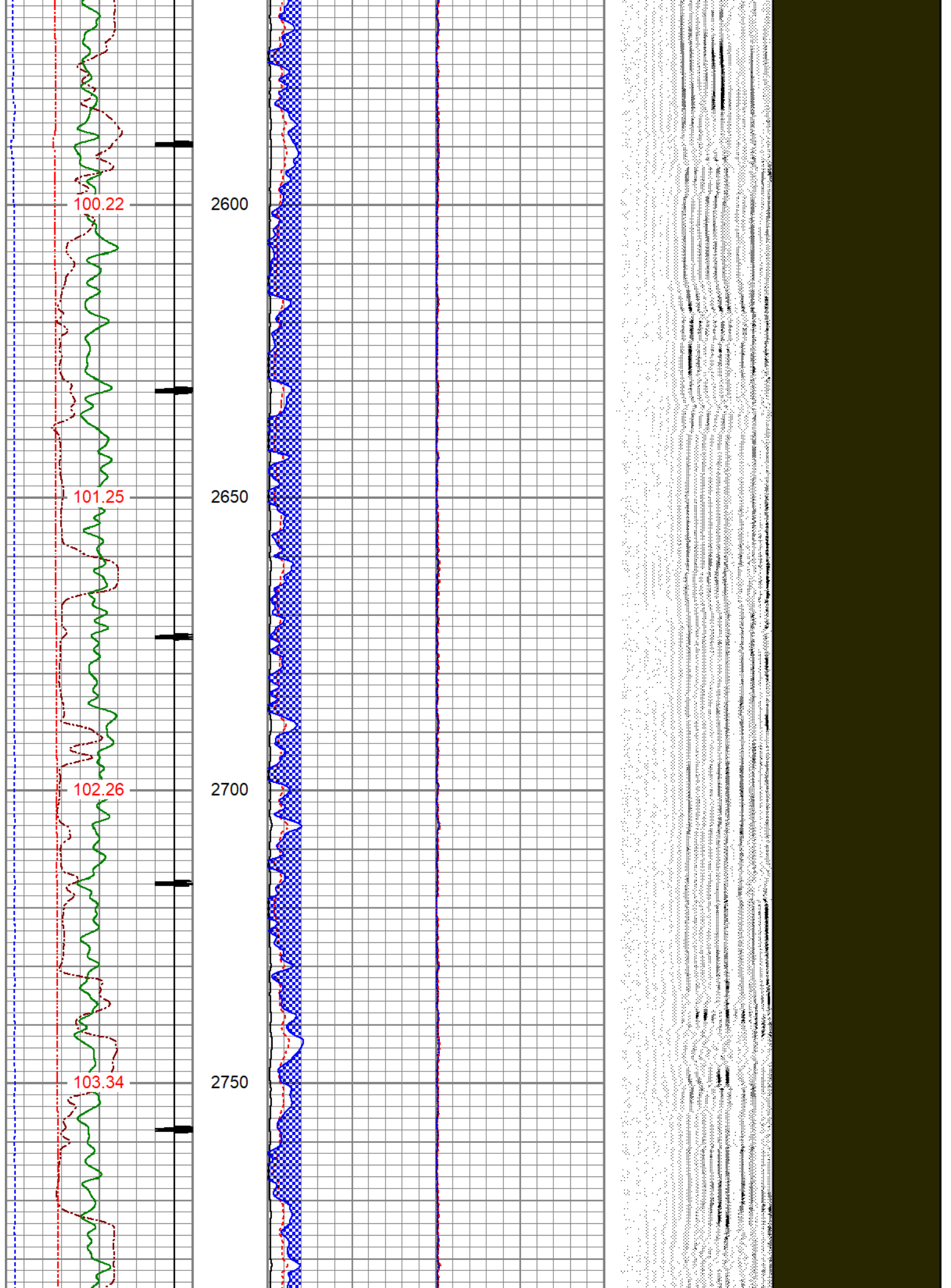


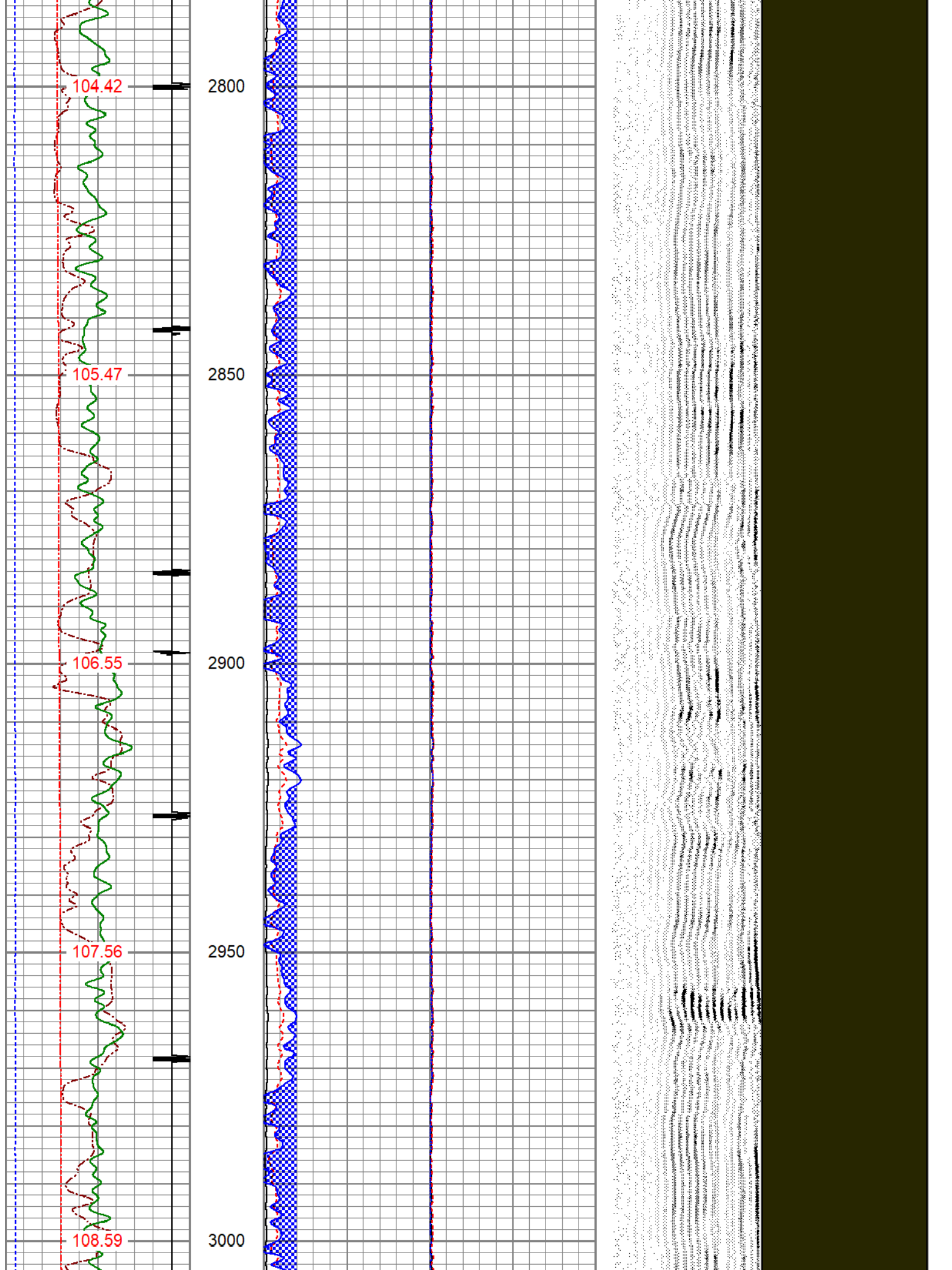


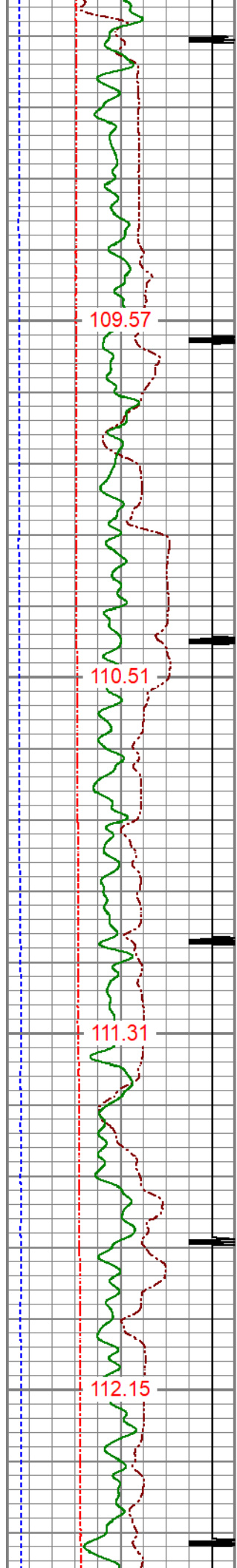
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2200
2250
2300











3050

109.57

3100

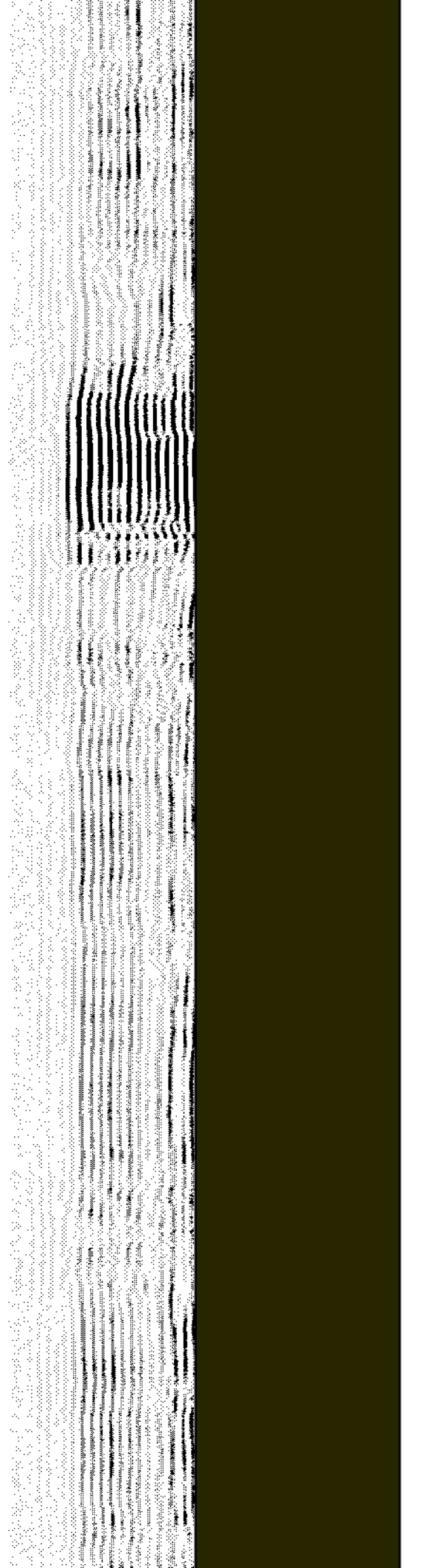
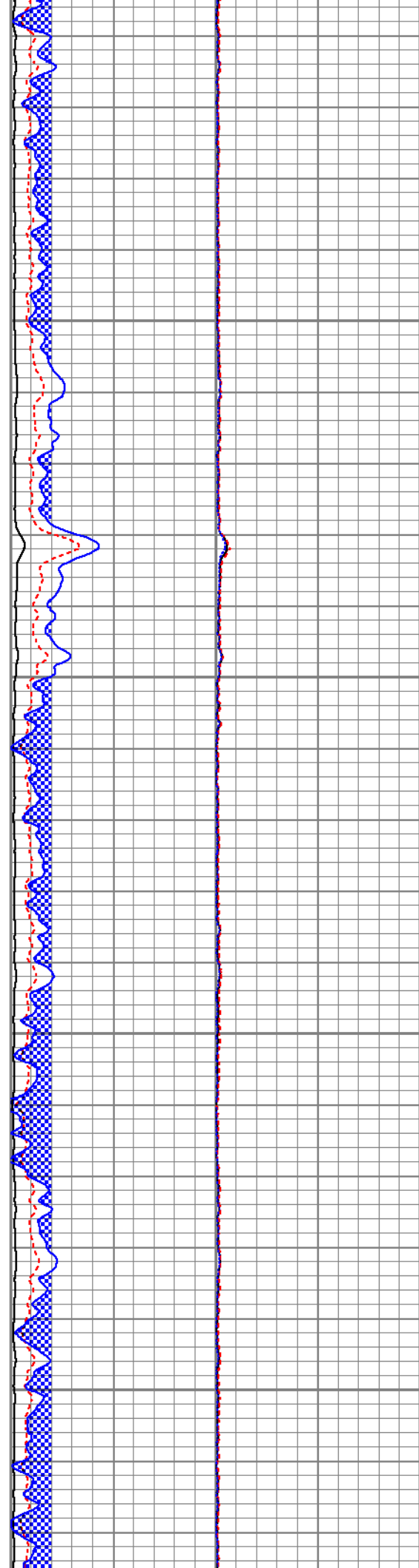
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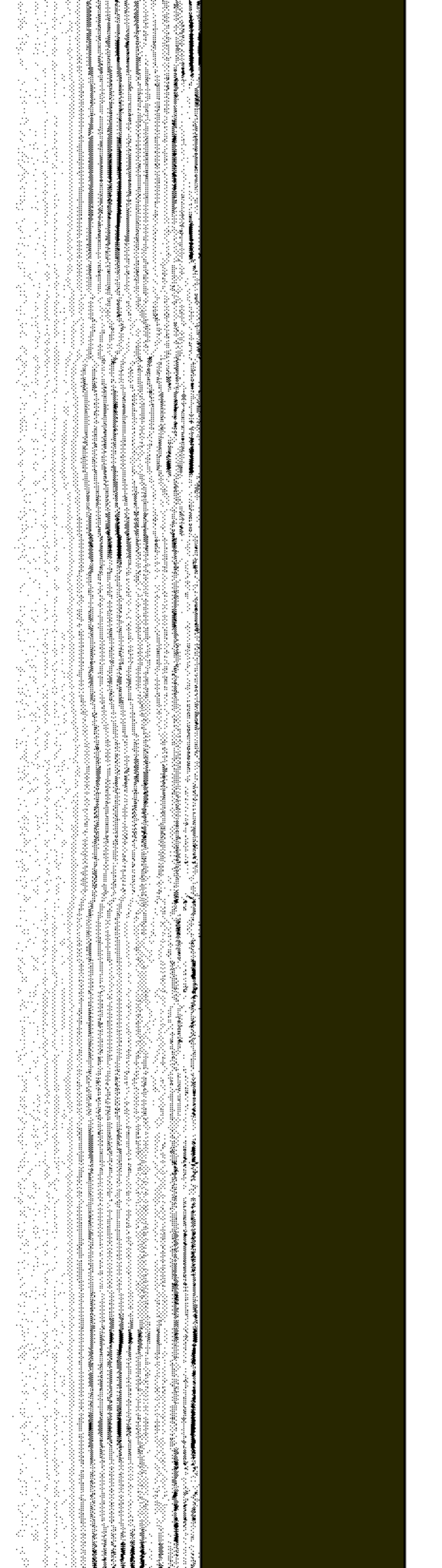
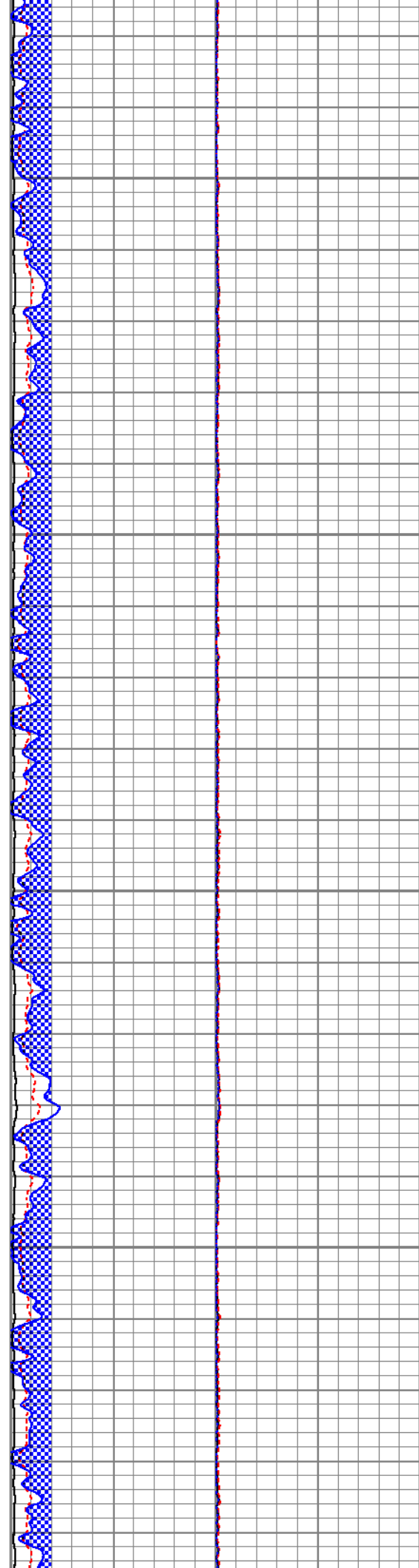
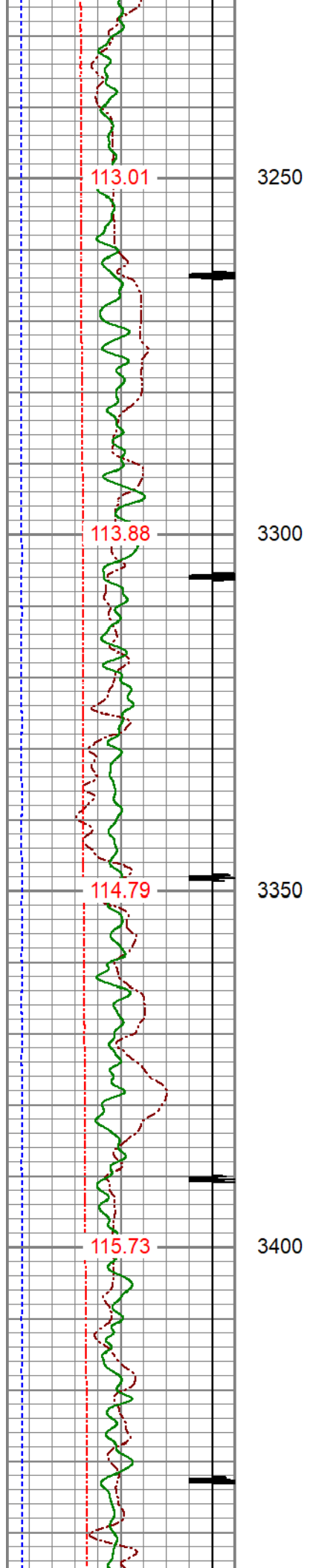
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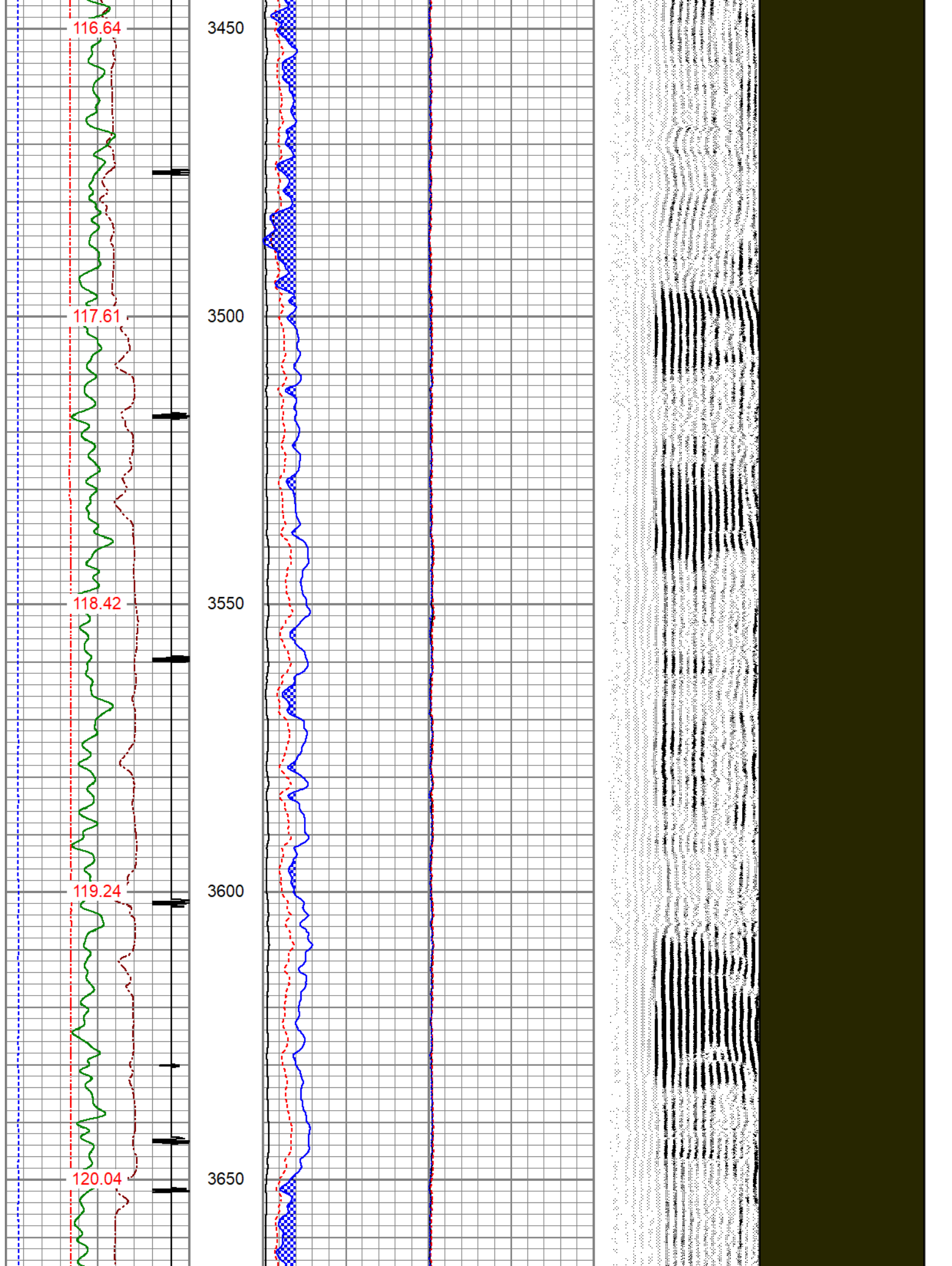
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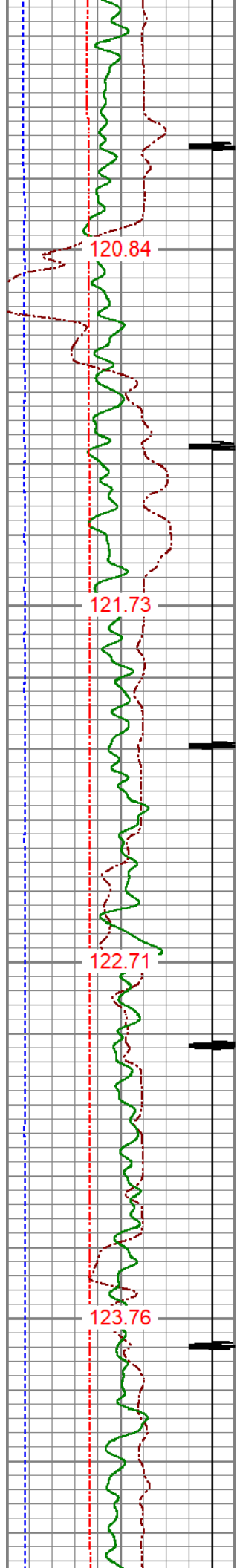
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3700

121.73

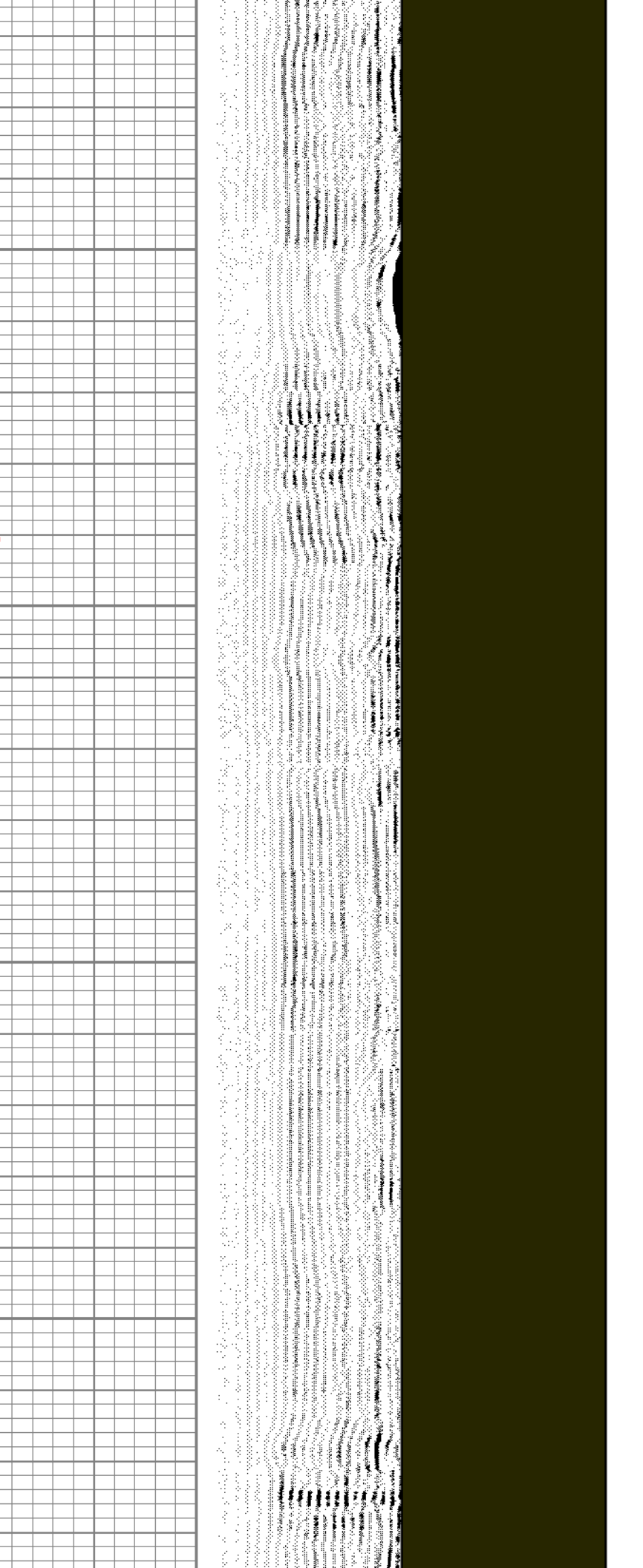
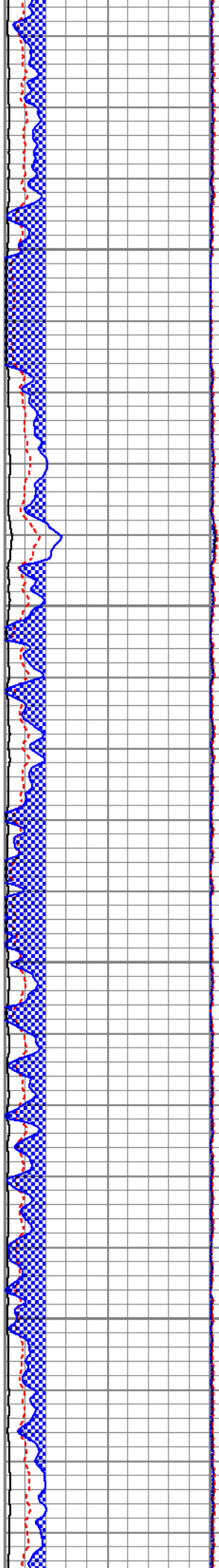
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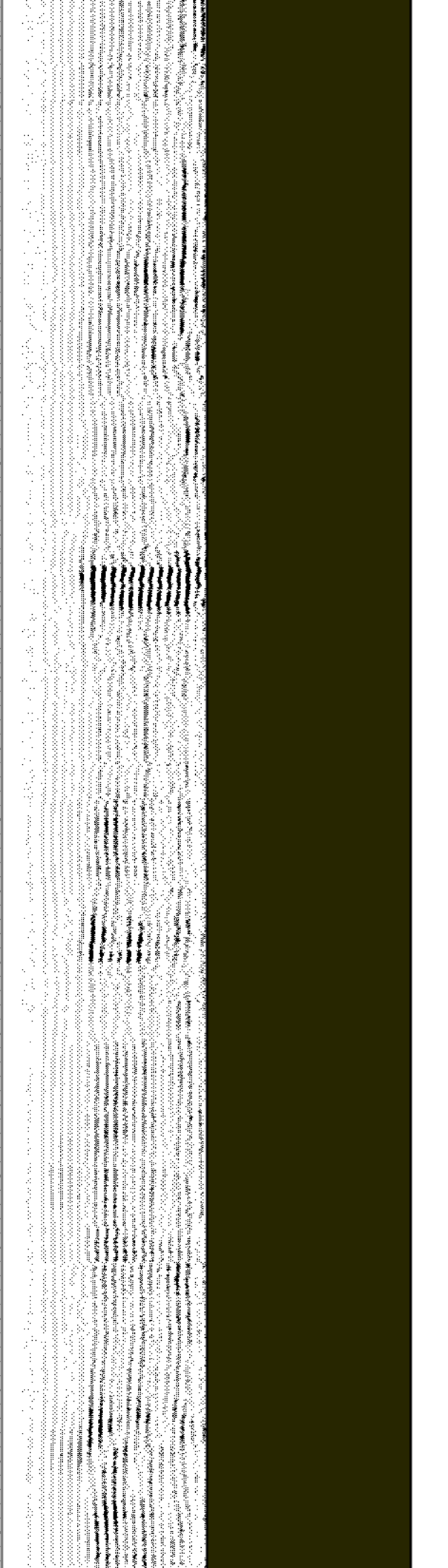
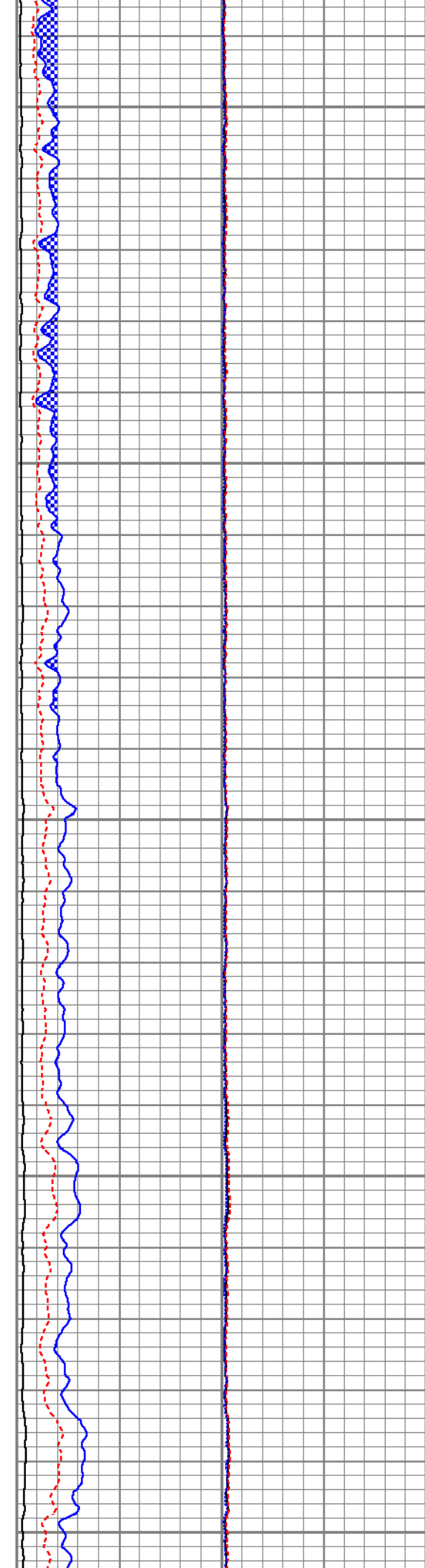
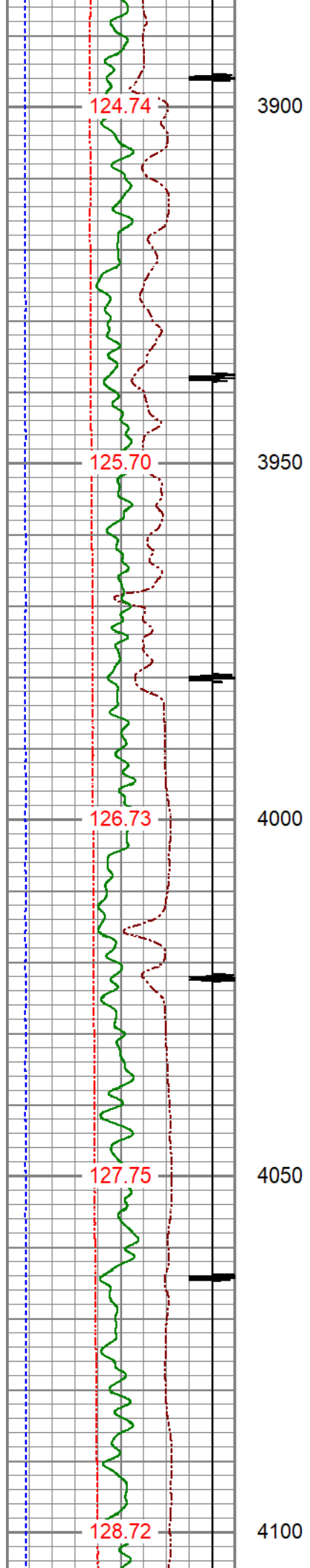
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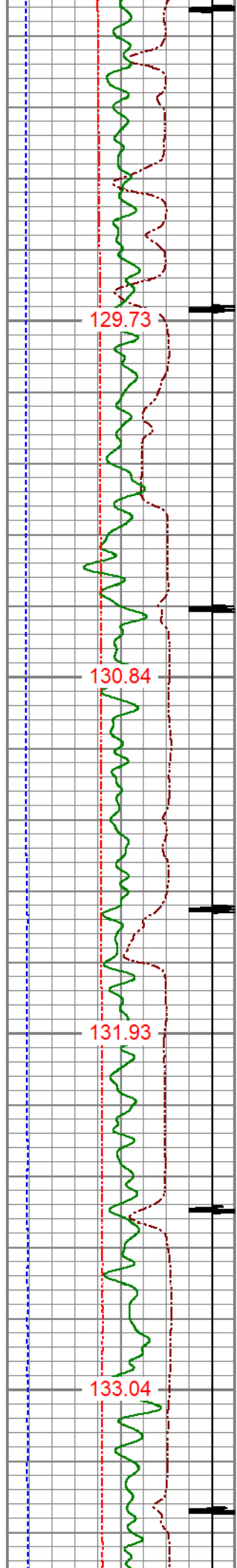
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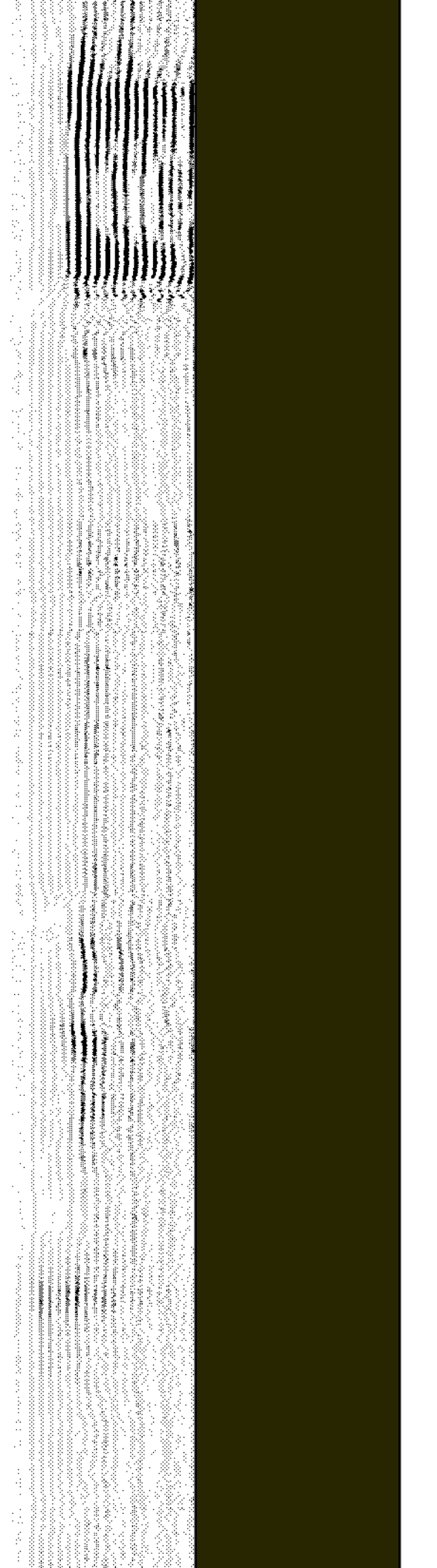
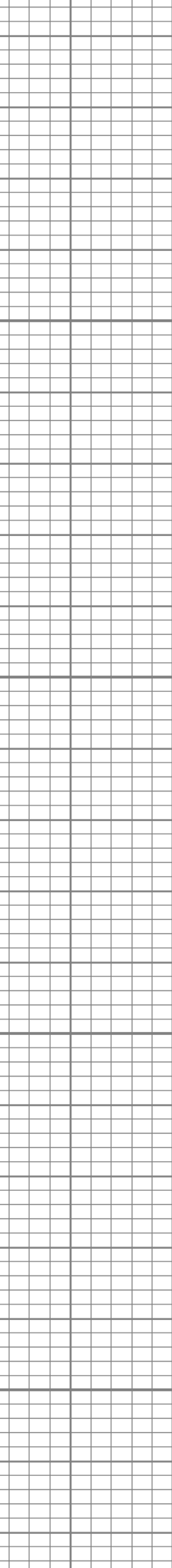
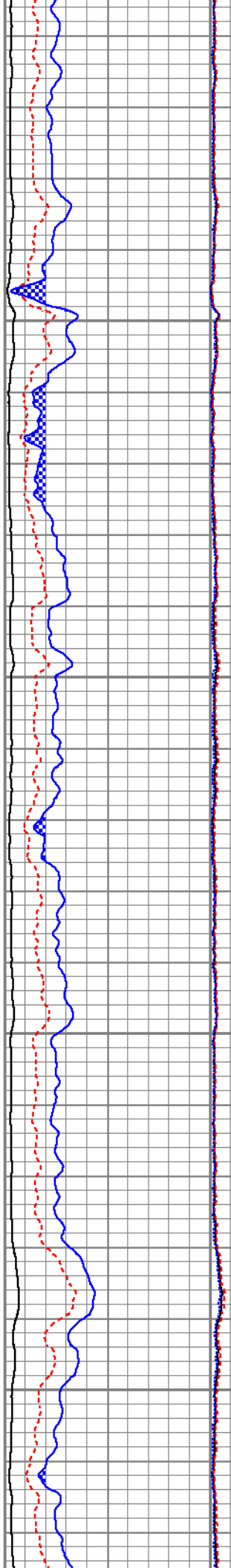


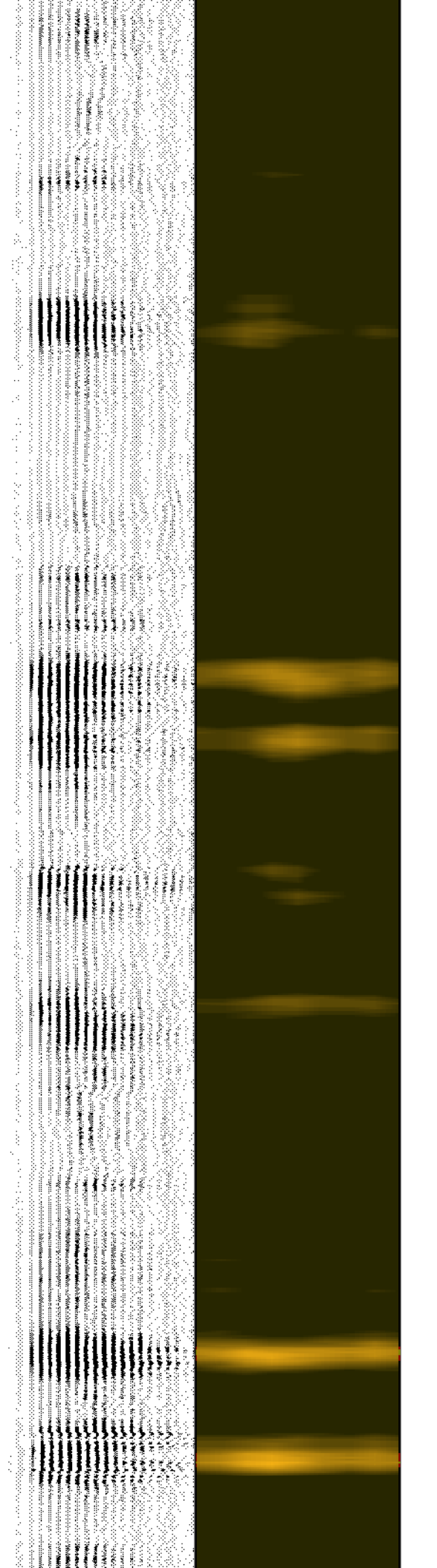
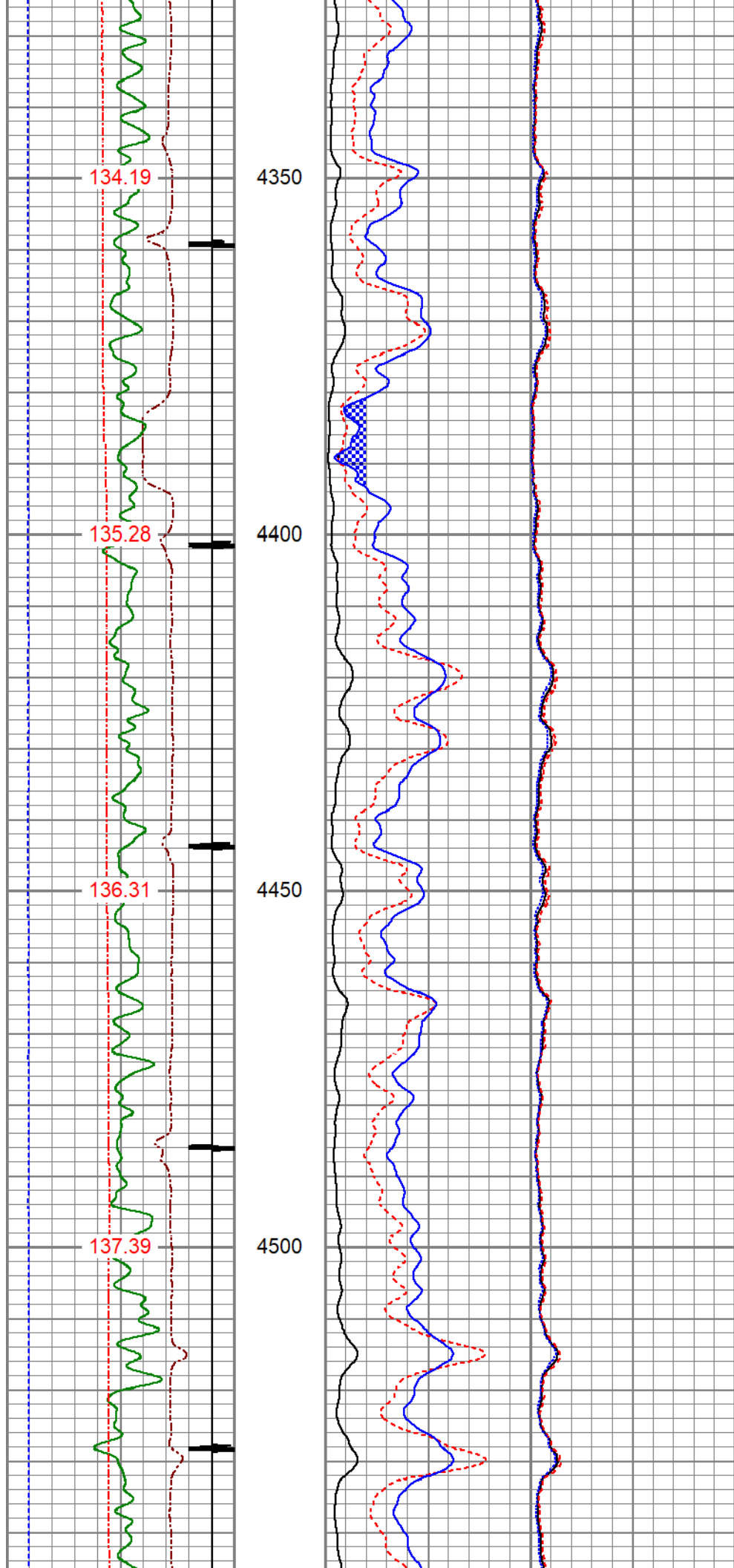
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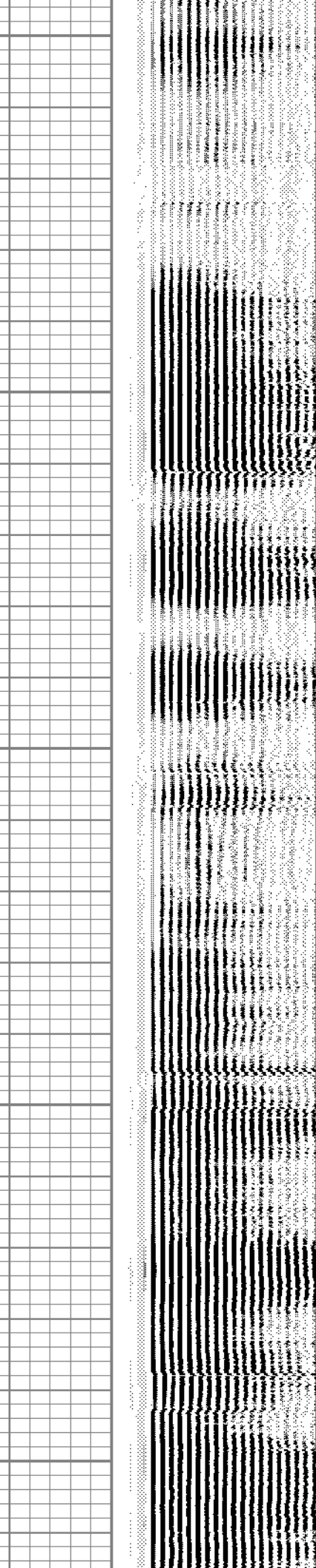
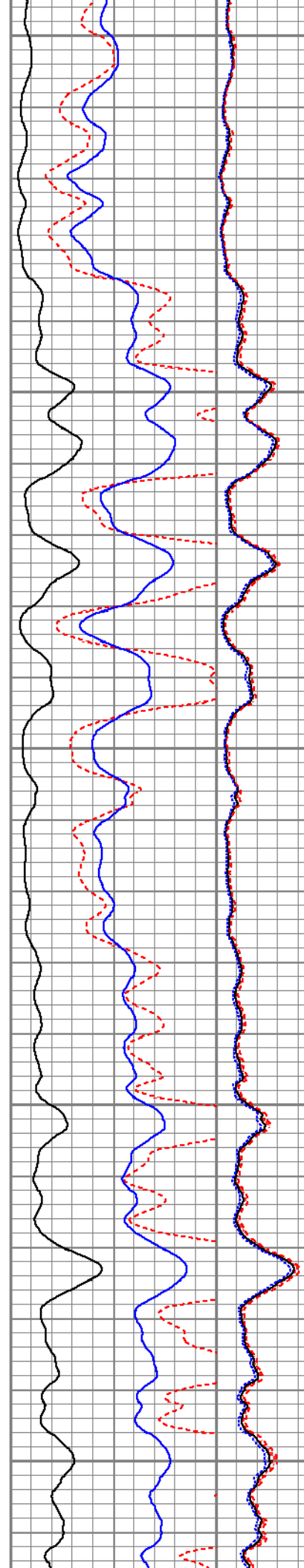
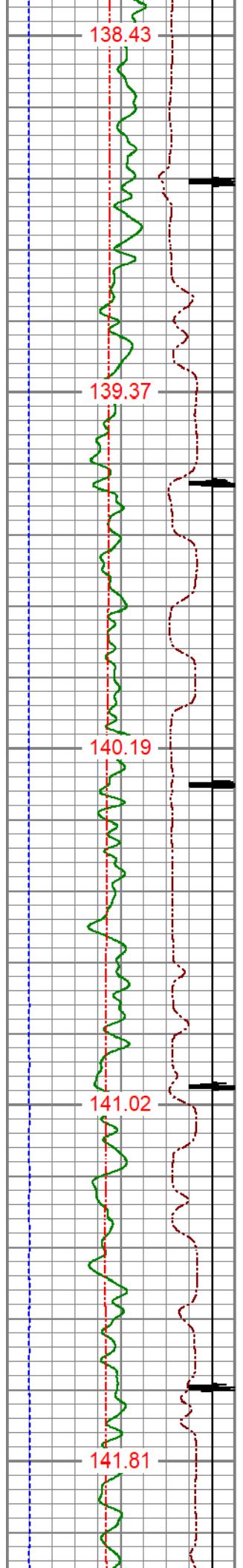
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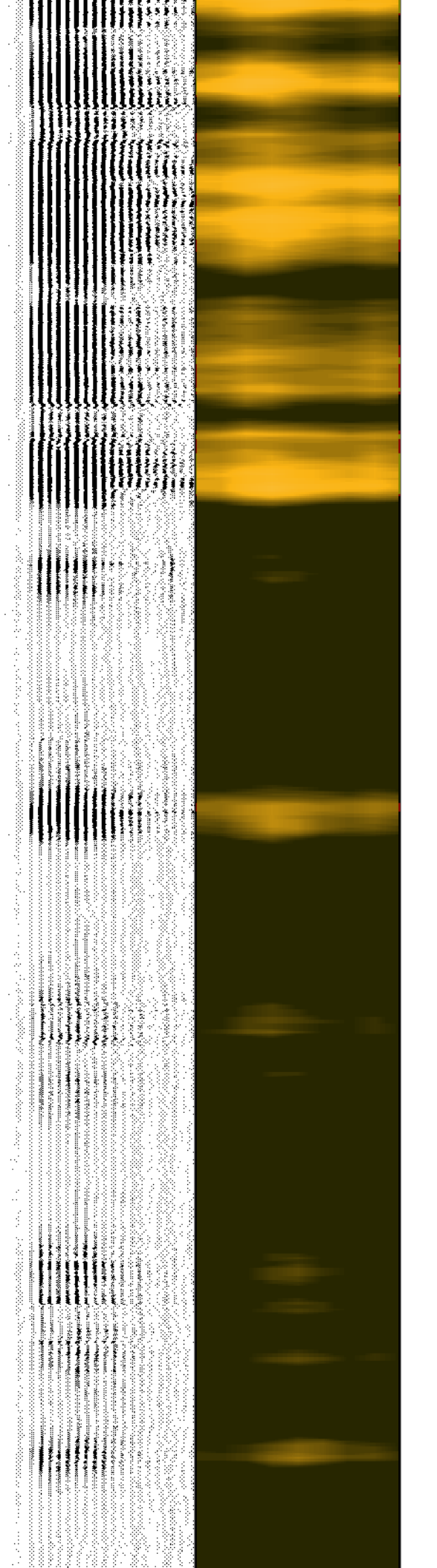
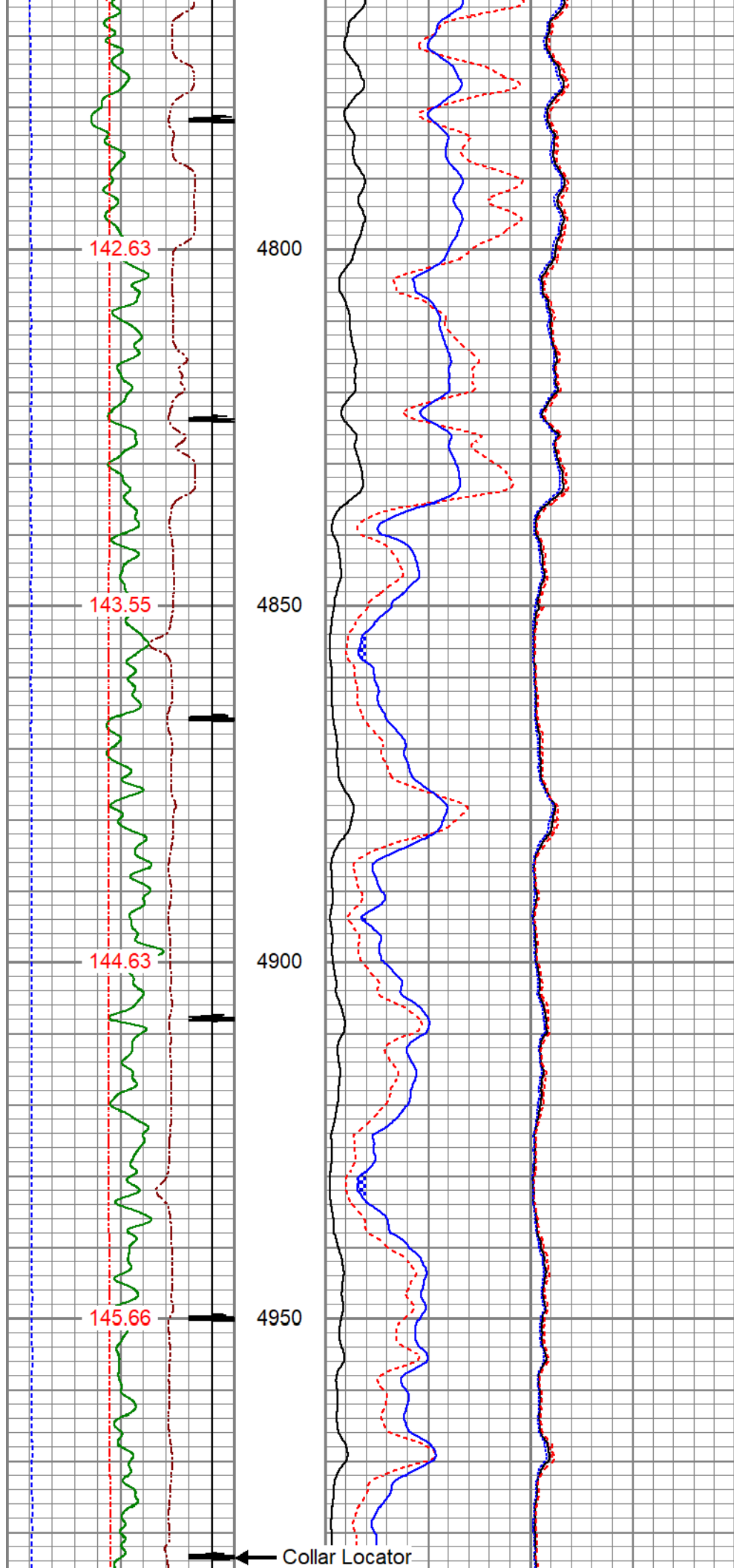
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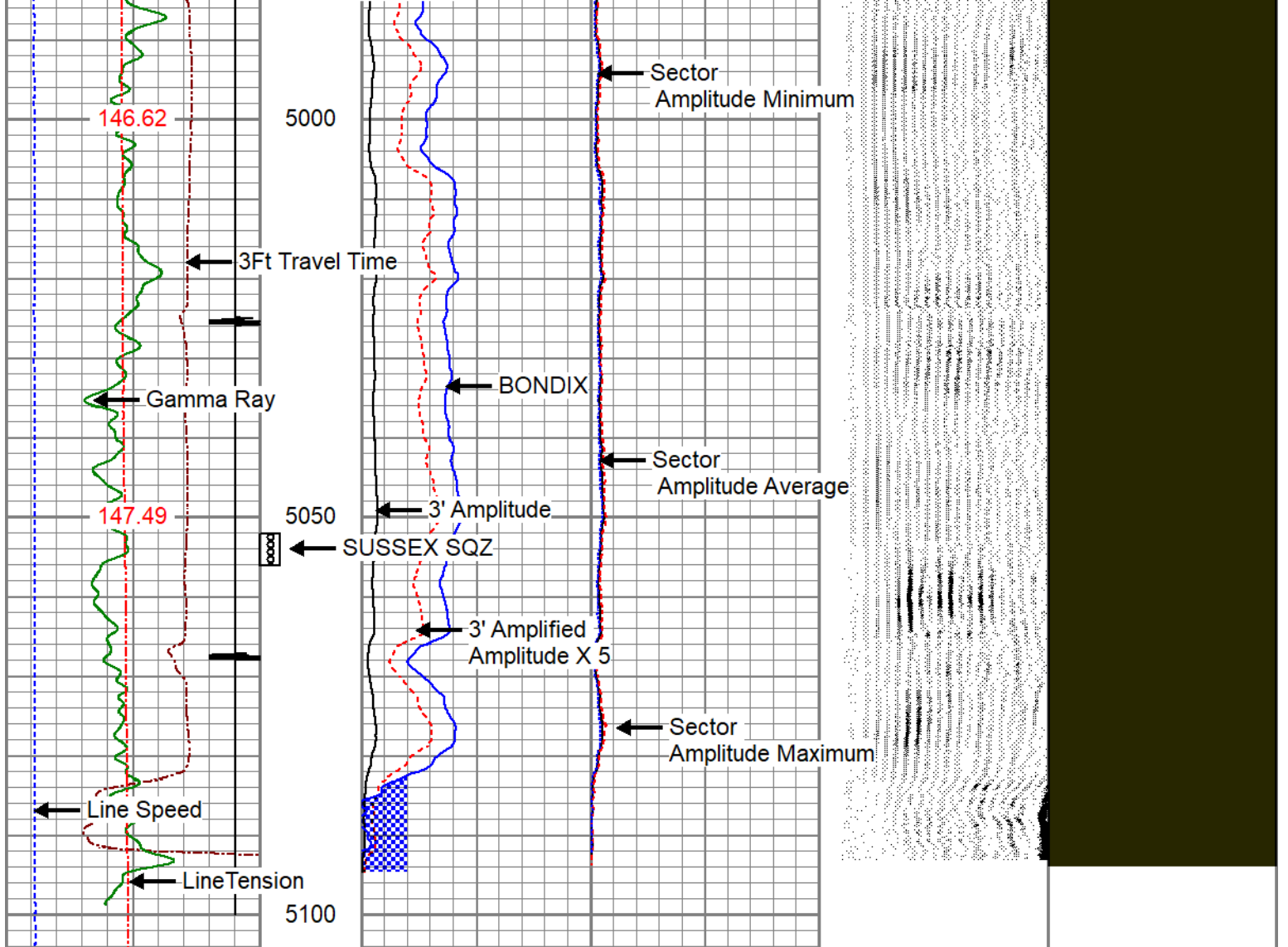
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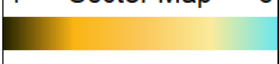
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|-----------------------------------|---|---|-----|---|------------|---|
| 3Ft Travel Time 575 (usec) 175 | 3' Amplitude 0 (mV) 100 | Sector Amplitude Average 200 (usec) 1200 | VDL | 1 | Sector Map | 8 |
| -9 Collar Locator 1 | 3' Amplified Amplitude X 5 0 (mV) 20 | Sector Amplitude Maximum 0 150 | | | | |
| Gamma Ray 0 (GAPI) 150 | 1 BONDIX 0 | Sector Amplitude Minimum 0 150 | | | | |
| LineTension 0 (lb) 2000 | | | | | | |
| Line Speed -100 (ft/min) 100 | | | | | | |
| TEMP (degF) | | | | | | |

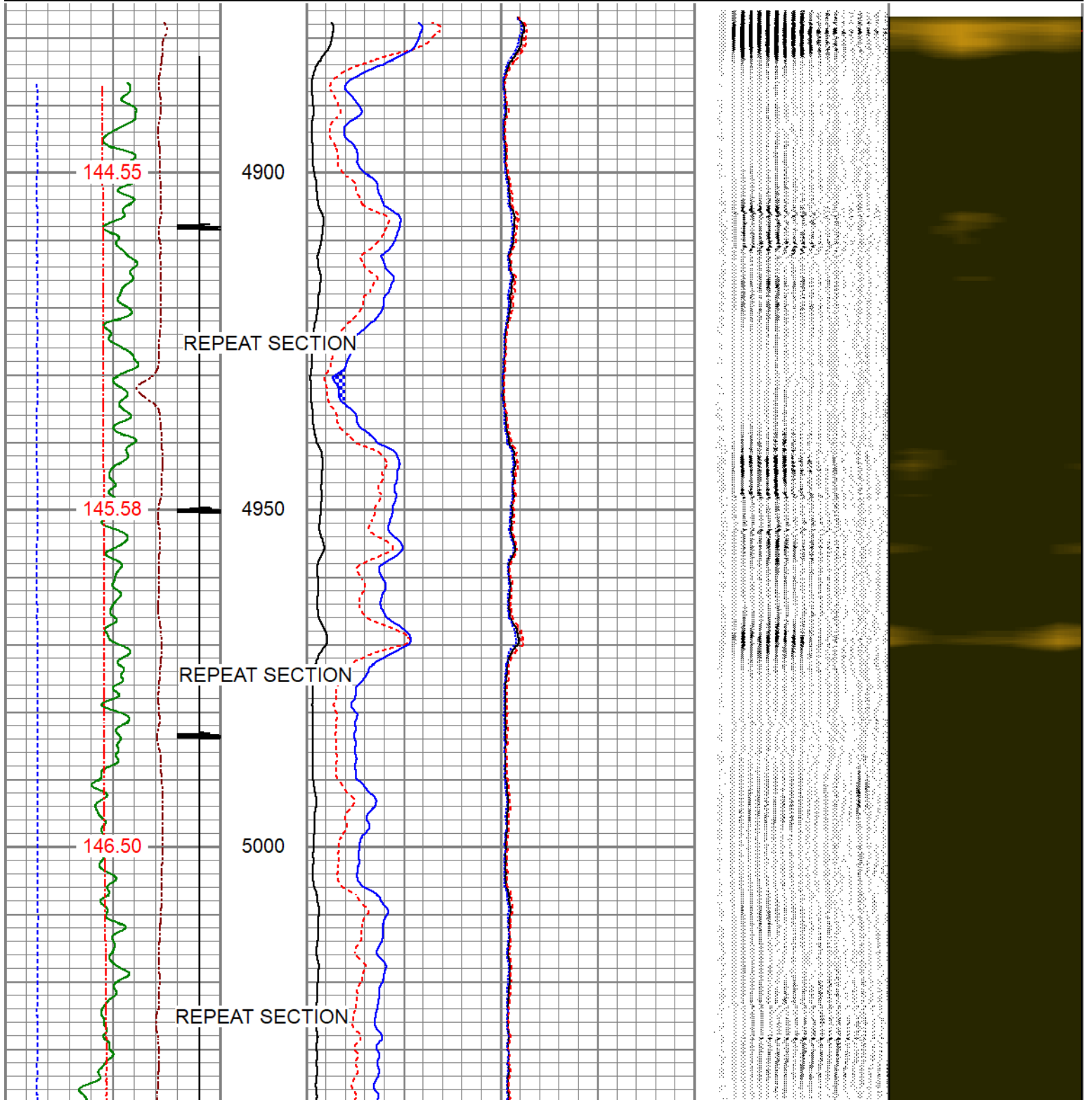


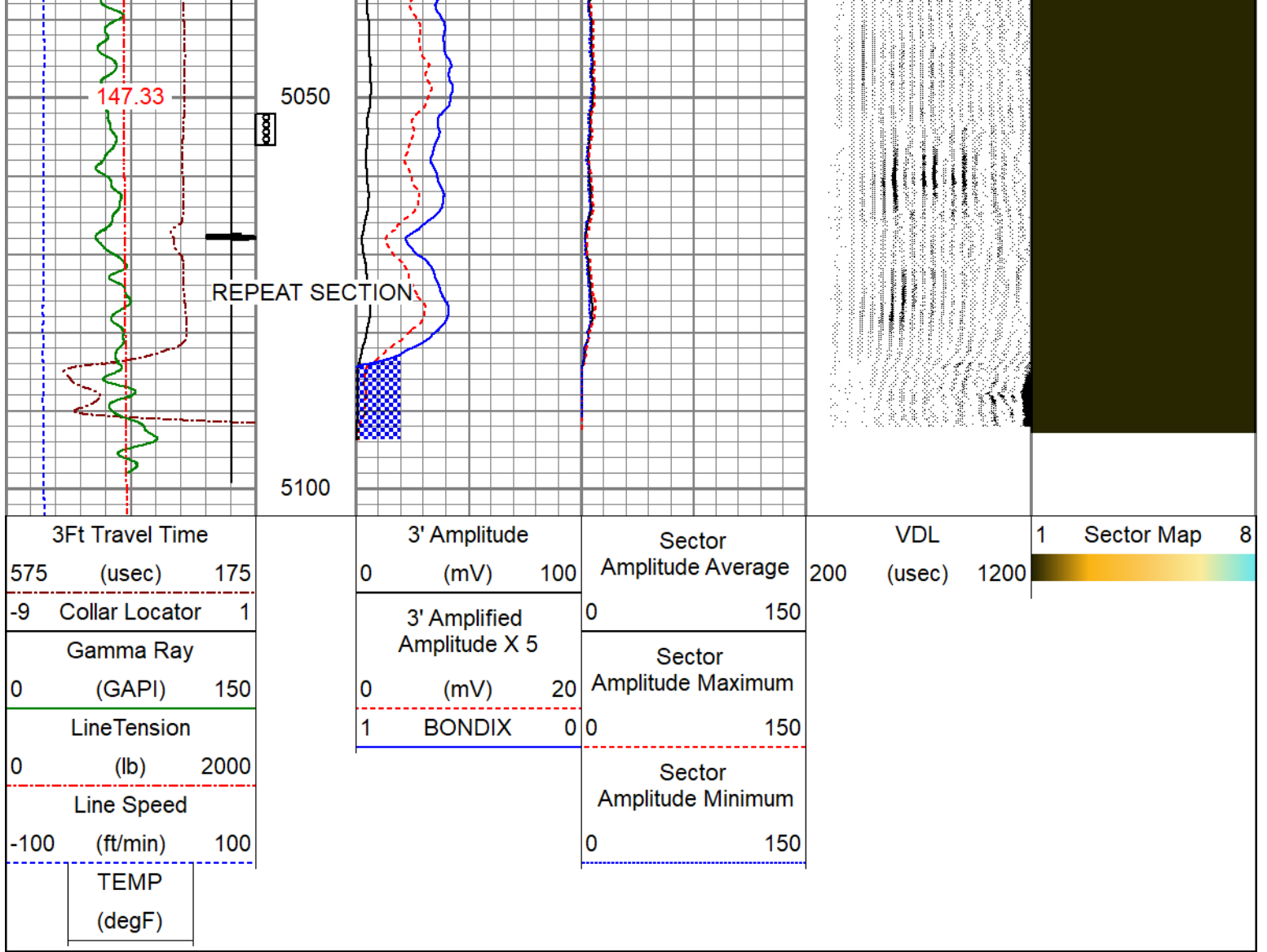
REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

Database File oxy_sweetgrass 14-14_rcbl_5000ft-0ft_0psi_6-9-25.db
 Dataset Pathname pass1
 Presentation Format pinr_scbl
 Dataset Creation Mon Jun 09 12:11:26 2025
 Charted by Depth in Feet scaled 1:240

| | | | | | | | | | | | | | | |
|---------------------|----------|------|----------------------------|------|-----|--------------------------|-----|--|-----|--------|------|--|--|---|
| 3Ft Travel Time | | | 3' Amplitude | | | Sector | | | VDL | | | 1 Sector Map | | 8 |
| 575 | (usec) | 175 | 0 | (mV) | 100 | Amplitude Average | | | 200 | (usec) | 1200 |  | | |
| -9 Collar Locator 1 | | | 3' Amplified Amplitude X 5 | | | 0 | 150 | | | | | | | |
| Gamma Ray | | | 0 (mV) 20 | | | Sector Amplitude Maximum | | | | | | | | |
| 0 | (GAPI) | 150 | 1 BONDIX 0 | | | Sector Amplitude Minimum | | | | | | | | |
| LineTension | | | | | | | | | | | | | | |
| 0 | (lb) | 2000 | | | | | | | | | | | | |
| Line Speed | | | | | | | | | | | | | | |
| -100 | (ft/min) | 100 | | | | | | | | | | | | |
| TEMP (degF) | | | | | | | | | | | | | | |





Calibration Report

Database File oxy_sweetgrass 14-14_rcbl_5000ft-0ft_0psi_6-9-25.db
 Dataset Pathname merge1
 Dataset Creation Mon Jun 09 13:53:48 2025

Gamma Ray Calibration Report

Serial Number: 140181
 Tool Model: 275 Probe GCT
 Performed: Tue Apr 11 10:14:32 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.5500 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1304-34
 Tool Model: RBL-DC

Calibration Casing Diameter: 4.500 in
 Calibration Depth: 37.850 ft

Master Calibration, performed Mon Jun 09 11:33:10 2025:

| | Raw (v) | | Calibrated (mv) | | Results | |
|-----|---------|-------|-----------------|---------|---------|--------|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.010 | 1.556 | 0.800 | 81.196 | 51.993 | 0.269 |
| CAL | 1.533 | 1.534 | | | | |
| 5' | 0.028 | 1.673 | 0.800 | 81.196 | 48.870 | -0.545 |
| SUM | | | | | | |
| S1 | 0.006 | 1.638 | 0.000 | 100.000 | 61.257 | -0.351 |
| S2 | 0.016 | 1.761 | 0.000 | 100.000 | 57.309 | -0.904 |
| S3 | 0.015 | 1.700 | 0.000 | 100.000 | 59.342 | -0.870 |
| S4 | 0.016 | 1.669 | 0.000 | 100.000 | 60.500 | -0.948 |
| S5 | 0.015 | 1.577 | 0.000 | 100.000 | 64.021 | -0.985 |
| S6 | 0.016 | 1.533 | 0.000 | 100.000 | 65.929 | -1.038 |
| S7 | 0.016 | 1.475 | 0.000 | 100.000 | 68.510 | -1.082 |
| S8 | 0.016 | 1.553 | 0.000 | 100.000 | 65.078 | -1.060 |

Air Zero Calibration, performed Mon Jun 09 11:32:49 2025:

| | Raw (v) | | Calibrated (v) | | Results | |
|-----|---------|--|----------------|--|---------|--|
| | Zero | | Zero | | Offset | |
| 3' | 0.000 | | 0.000 | | 0.000 | |
| 5' | 0.000 | | 0.000 | | 0.000 | |
| SUM | | | | | | |
| S1 | 0.000 | | 0.000 | | 0.000 | |
| S2 | 0.000 | | 0.000 | | 0.000 | |
| S3 | 0.000 | | 0.000 | | 0.000 | |
| S4 | 0.000 | | 0.000 | | 0.000 | |
| S5 | 0.000 | | 0.000 | | 0.000 | |
| S6 | 0.000 | | 0.000 | | 0.000 | |
| S7 | 0.000 | | 0.000 | | 0.000 | |
| S8 | 0.000 | | 0.000 | | 0.000 | |



Company ANADARKO PETROLEUM CORP
 Well SWEETGRASS 14-14
 Field WATTENBERG
 County WELD
 State CO