



**CEMENT BOND LOG
GAMMA RAY CCL VDL**

Company EXTRACTION OIL & GAS
Well DIAMOND VALLEY EAST #7
Field WATTENBERG
County WELD
State COLORADO

Company EXTRACTION OIL & GAS
Well DIAMOND VALLEY EAST #7
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-38567
SWSW
Other Services NONE

| | | | |
|------------------------|-----------------------|-------------|--------|
| Permanent Datum | SEC 23 TWP 6N RGE 67W | Elevation | 4,769' |
| Log Measured From | KB | | |
| Drilling Measured From | KB | | |
| | | K.B. 4,791' | |
| | | D.F. 4,791' | |
| | | G.L. 4,769' | |

| | |
|------------------------|-----------------|
| Date | 5 MAY 2019 |
| Run Number | ONE |
| Depth Driller | 11,855' |
| Depth Logger | 6,975' |
| Bottom Logged Interval | 6,975' |
| Top Log Interval | SURFACE |
| Open Hole Size | 9-5/8" |
| Type Fluid | WATER |
| Density / Viscosity | 8.34 PPG |
| Max. Recorded Temp. | N/A |
| Estimated Cement Top | 1,816' |
| Time Well Ready | ROA |
| Time Logger on Bottom | 08:30 |
| Equipment Number | 25 |
| Location | PLATTEVILLE, CO |
| Recorded By | B. TURNBULL |
| Witnessed By | J. PAPE |

| Borehole Record | | | Tubing Record | | | | |
|-----------------|-----|------|---------------|------|--------|------|----|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | | |
|-------------------|--------|--------|---------|---------|
| Casing Record | Size | Mgt/Ft | Top | Bottom |
| Surface String | 9-5/8" | 36# | SURFACE | 500' |
| Prot. String | 7" | 26# | SURFACE | 7,560' |
| Production String | 4-1/2" | 11.6# | | 11,855' |
| Liner | | | | |

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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 interpretation, 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 set out in our current Price Schedule.

Comments

CEMENT BOND LOG RECORDED AS PER CUSTOMER REQUEST
LOGGED UNDER 0 PSI INDUCED SURFACE PRESSURE & 22' KB

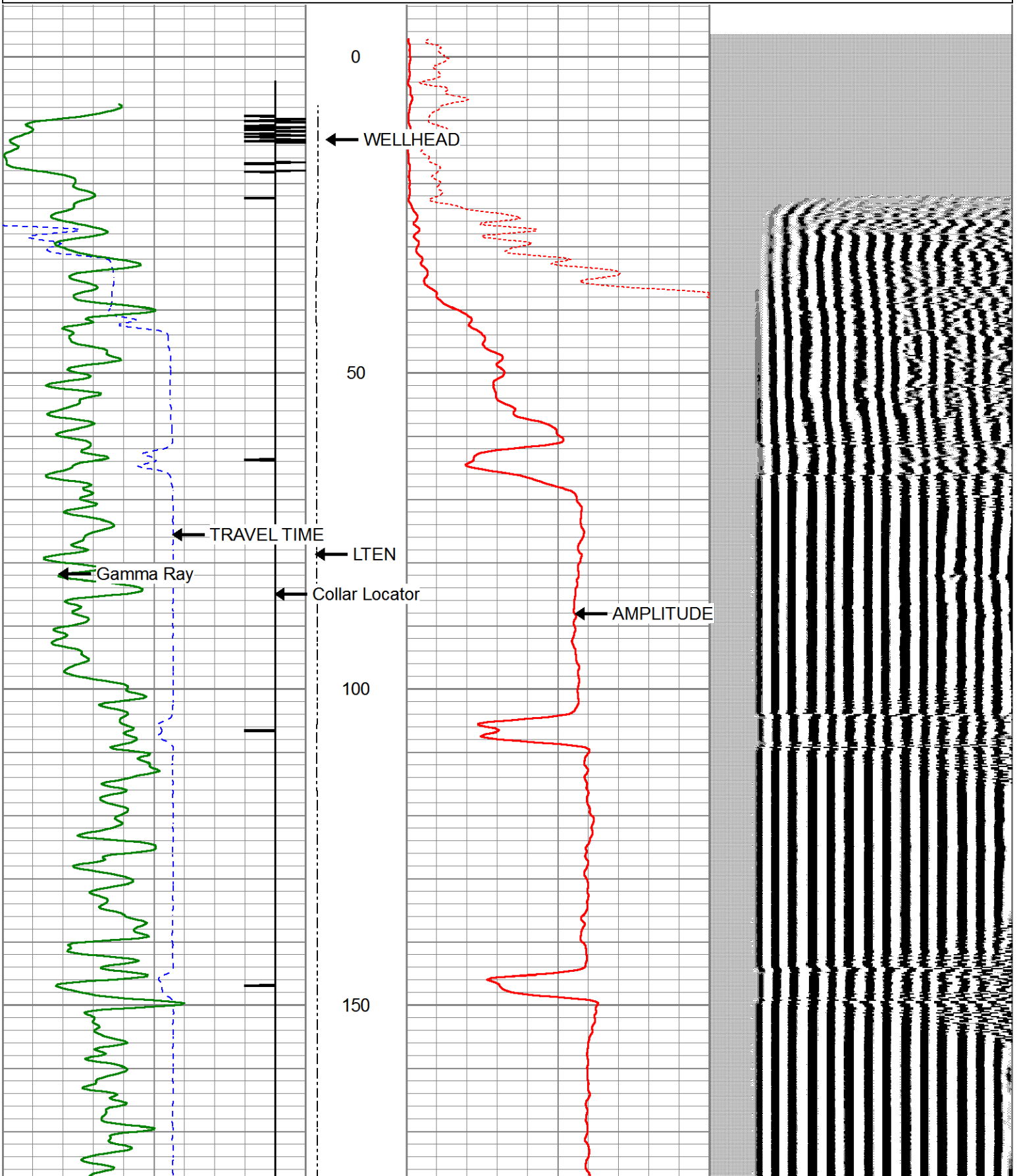
THANK YOU FOR USING KLX ENERGY SERVICES

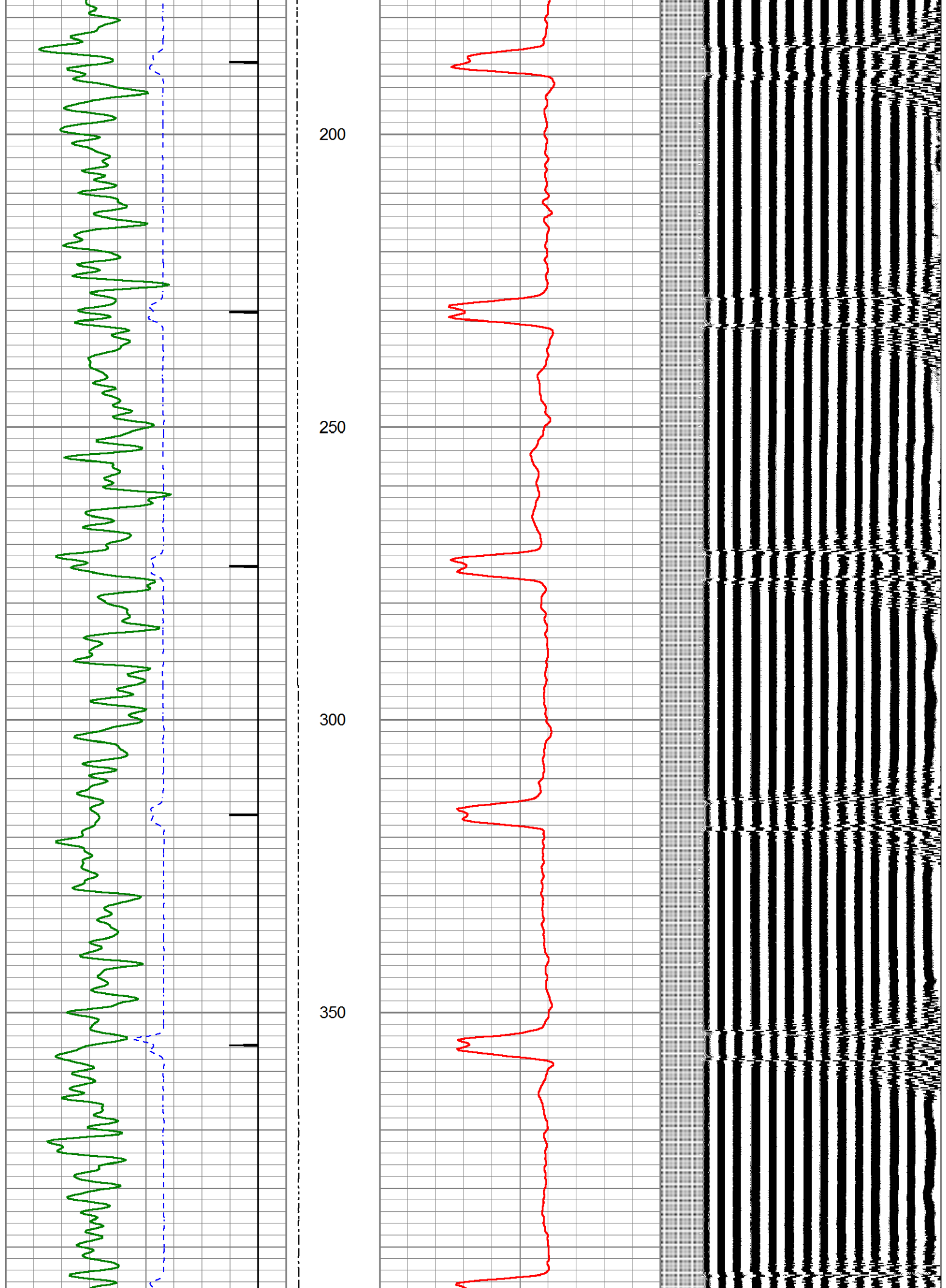


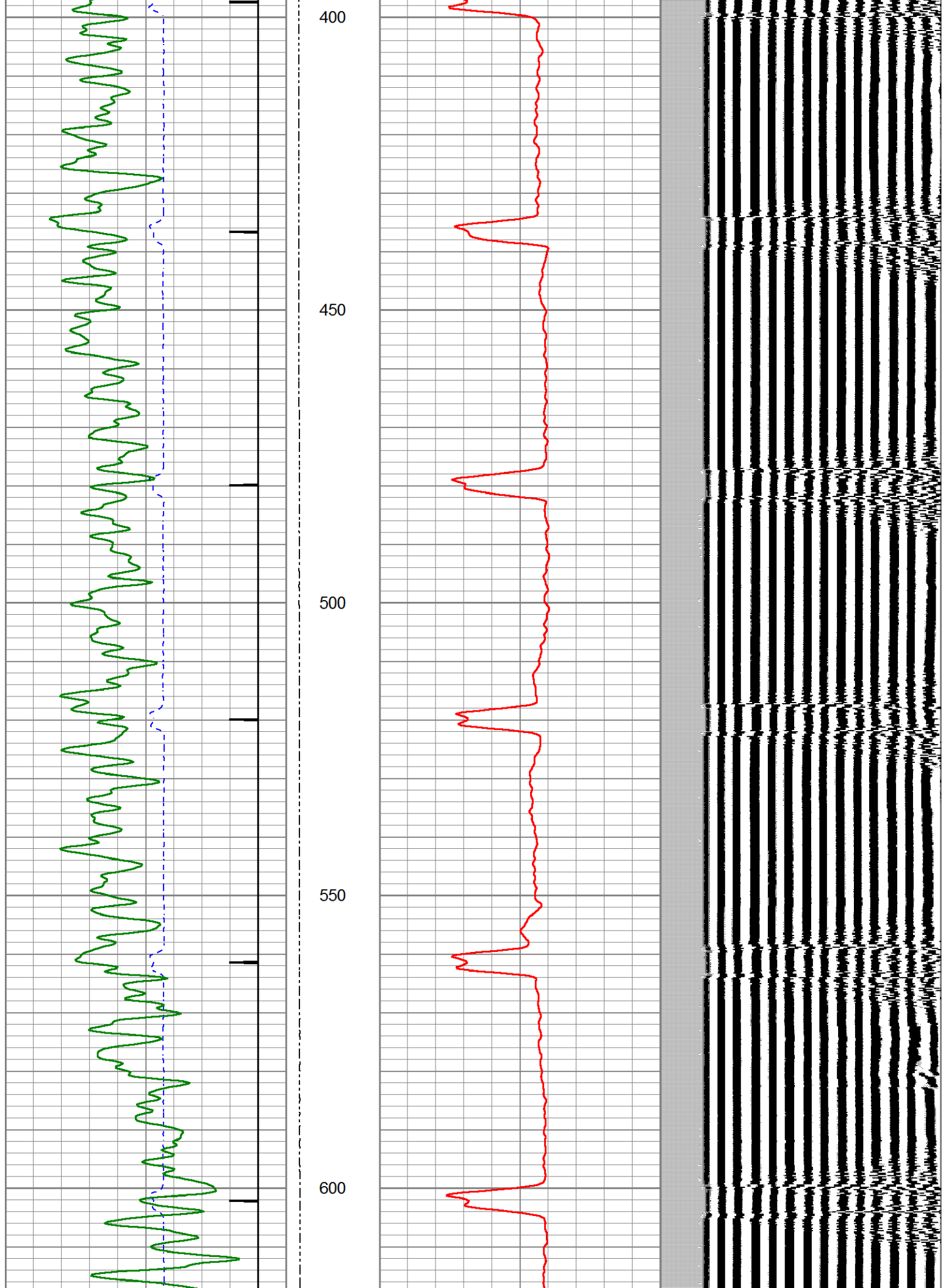
7" MAIN PASS

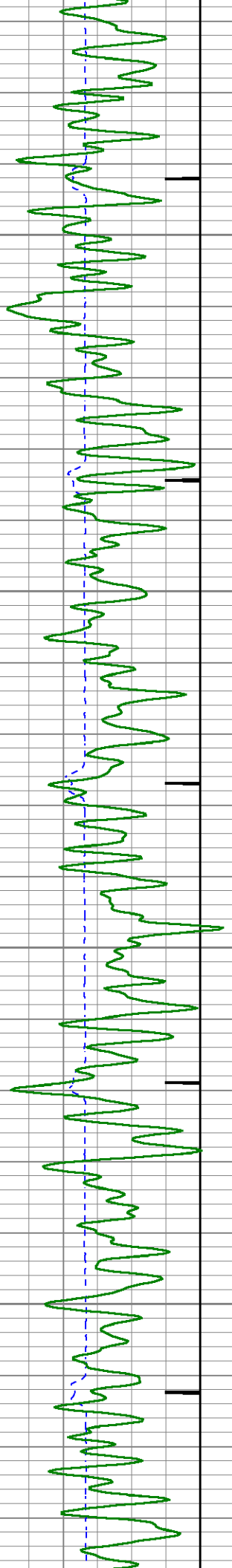
Database File xog_cbl_diamondvalley_5-5-19.db
 Dataset Pathname pass3
 Presentation Format cbl_drs
 Dataset Creation Sun May 05 08:20:52 2019
 Charted by Depth in Feet scaled 1:240

| | | | | | | | | | |
|-----|--------------------|-----|------|---------|--------------------|----------------|-----|------------|------|
| 400 | TRAVEL TIME (usec) | 200 | LTEN | 0 | AMP AMPLITUDE (mV) | 10 | 200 | VDL (usec) | 1200 |
| 9 | Collar Locator | -1 | 0 | (lb2000 | 0 | AMPLITUDE (mV) | 100 | | |
| 0 | Gamma Ray (GAPI) | 150 | | | | | | | |







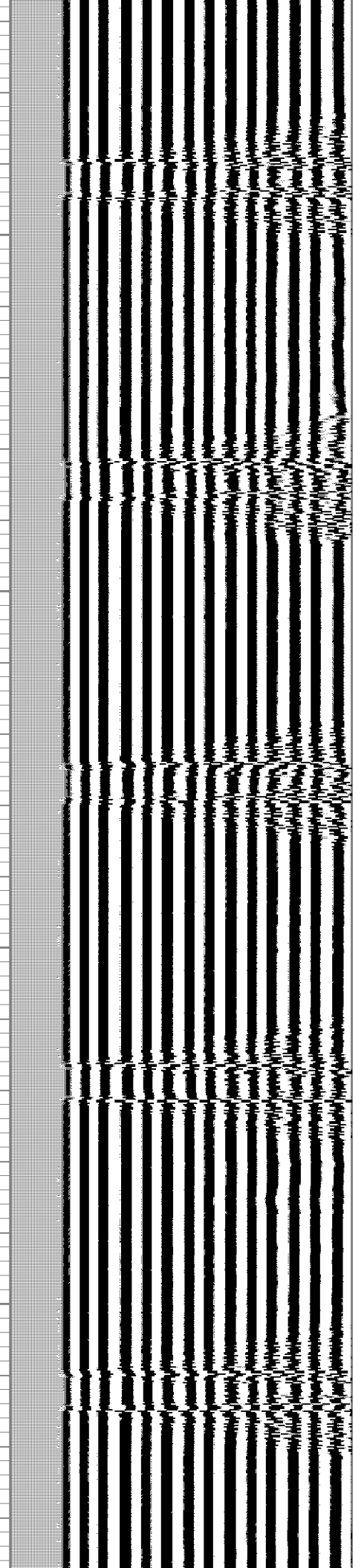


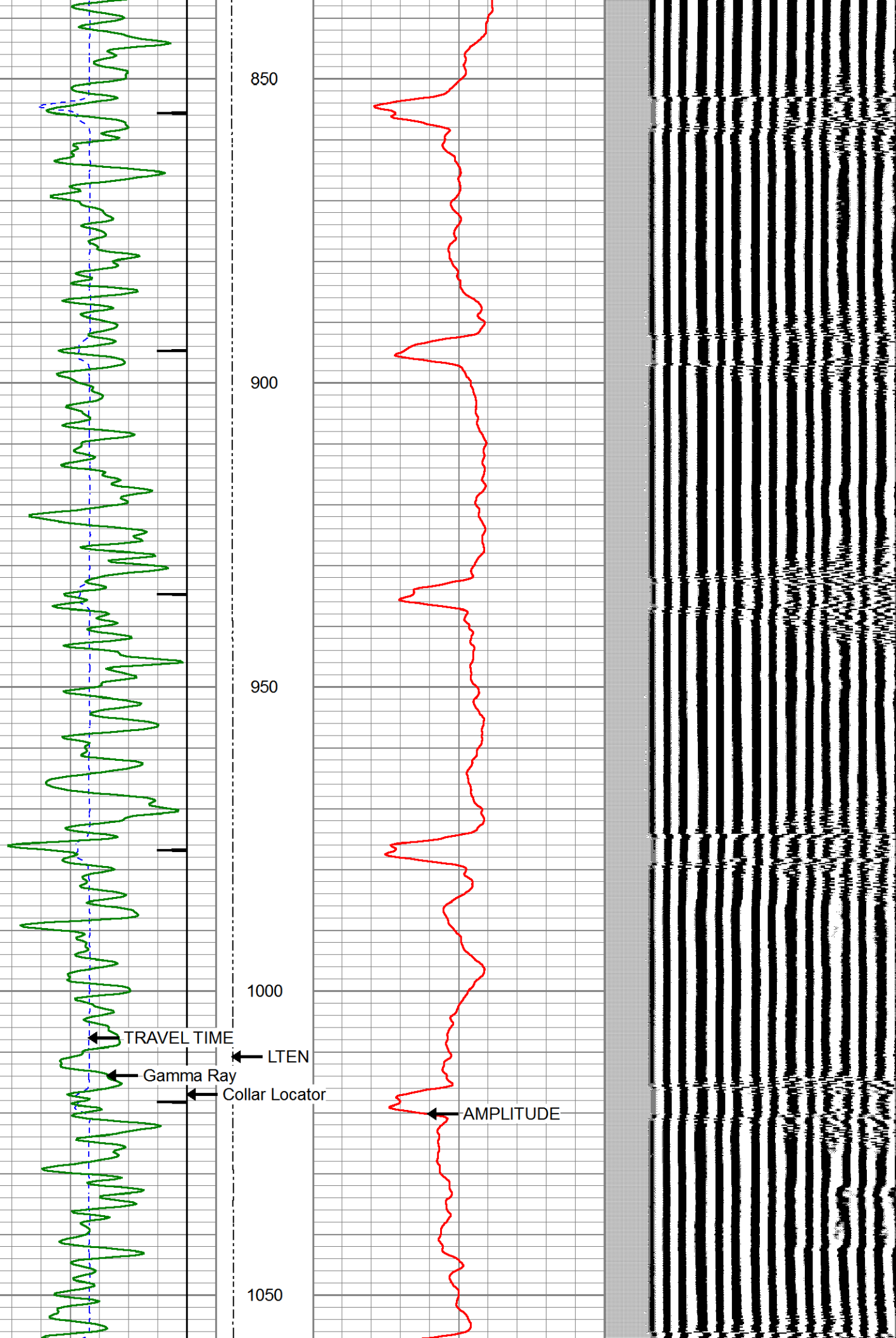
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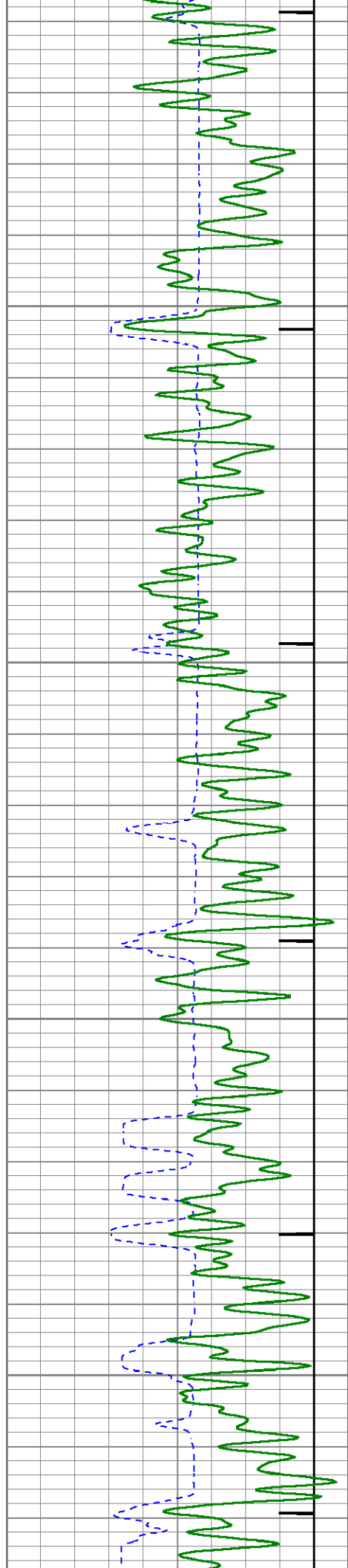
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800





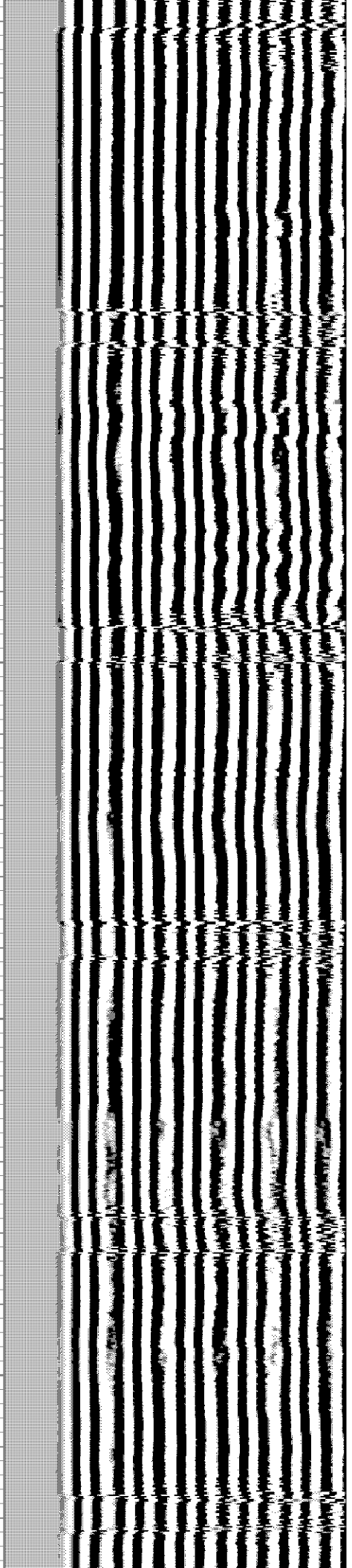
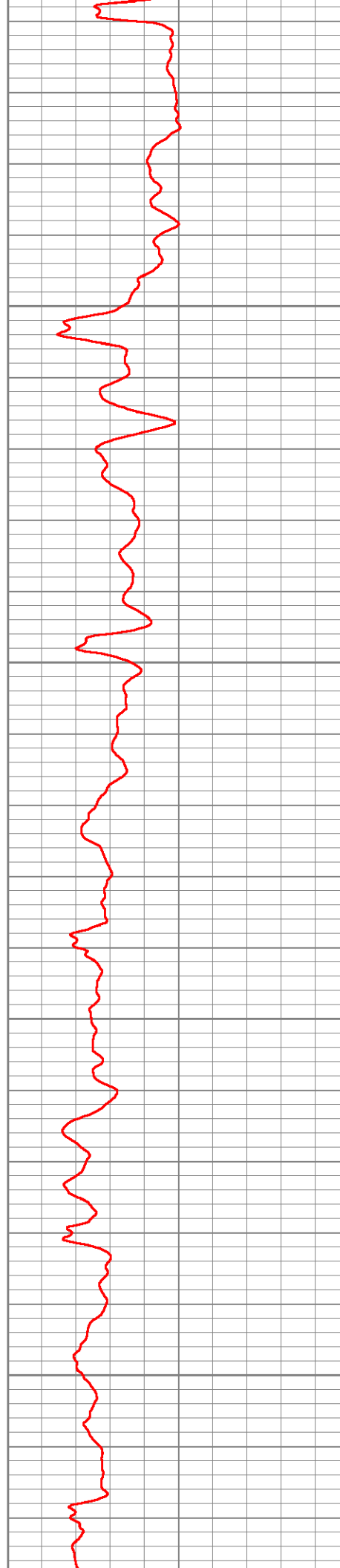


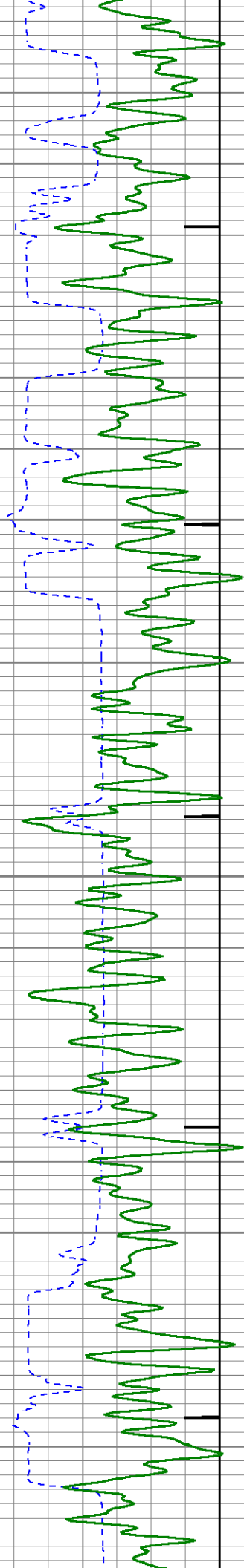
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1150

1200

1250



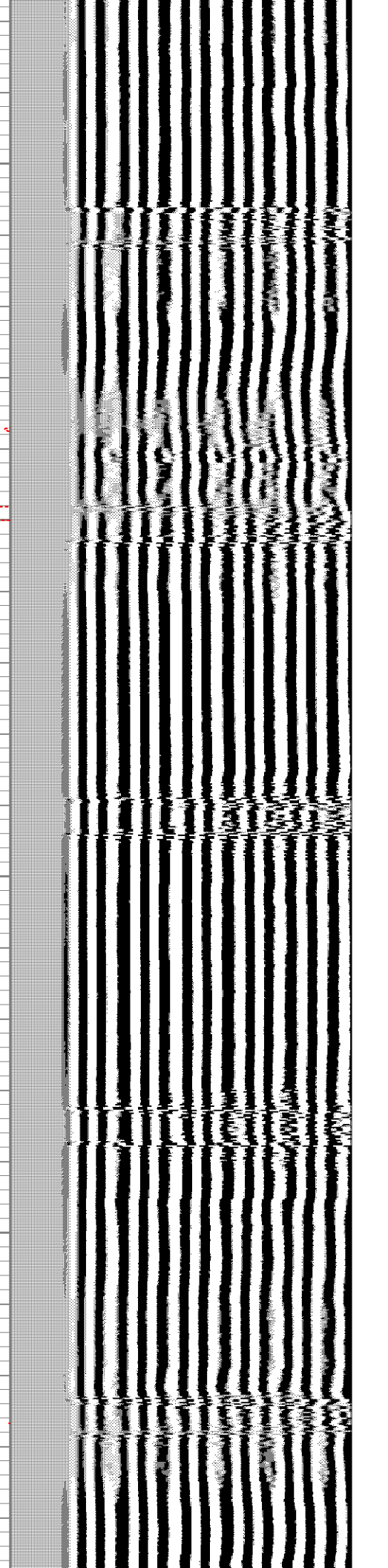
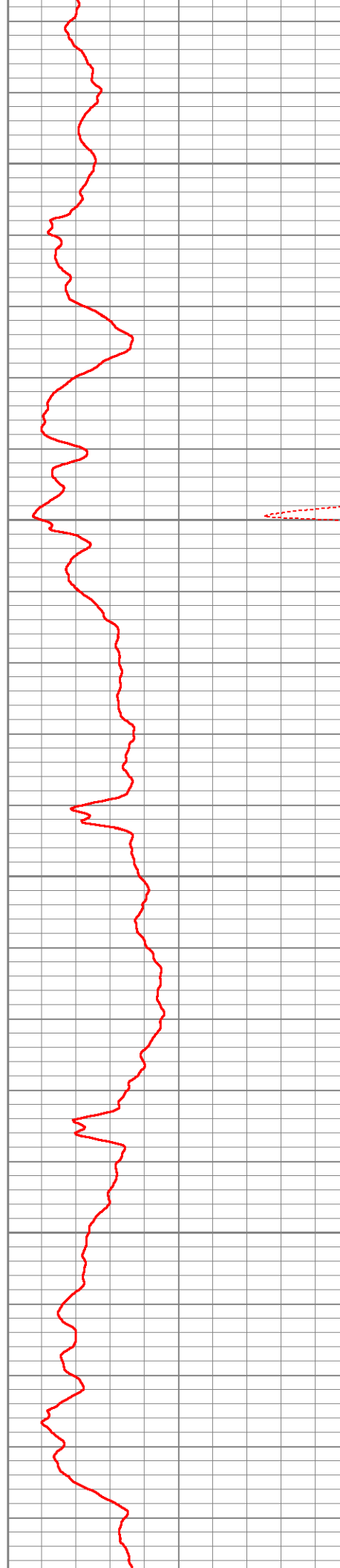


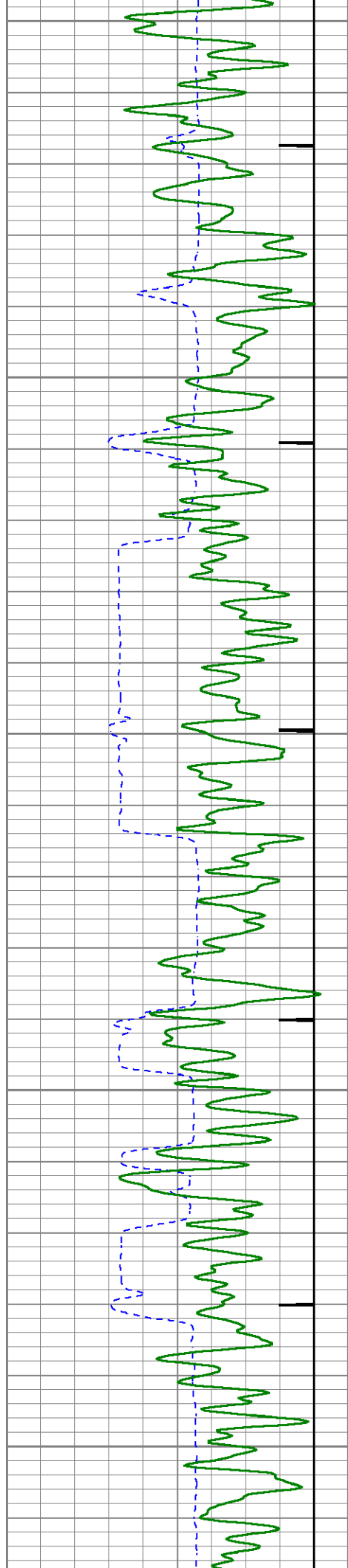
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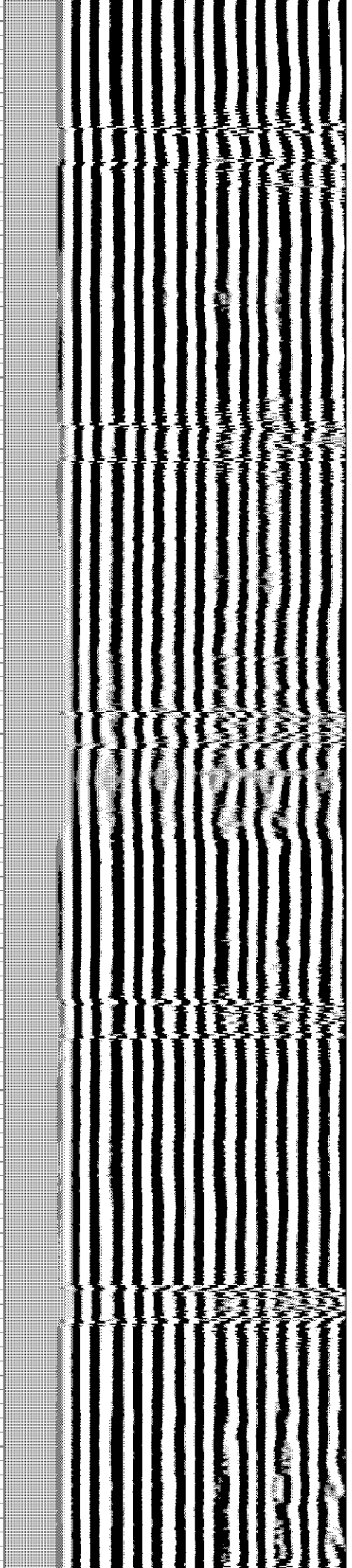
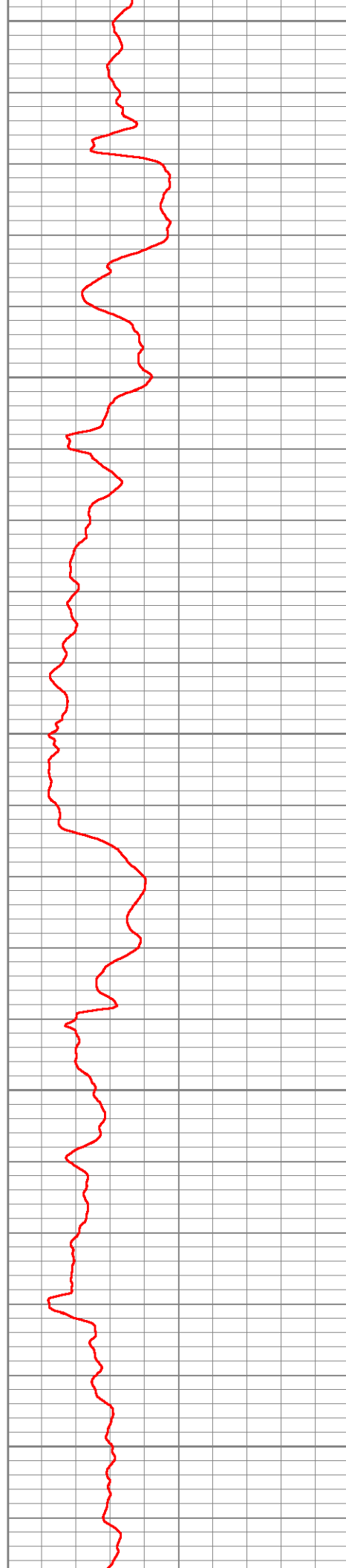
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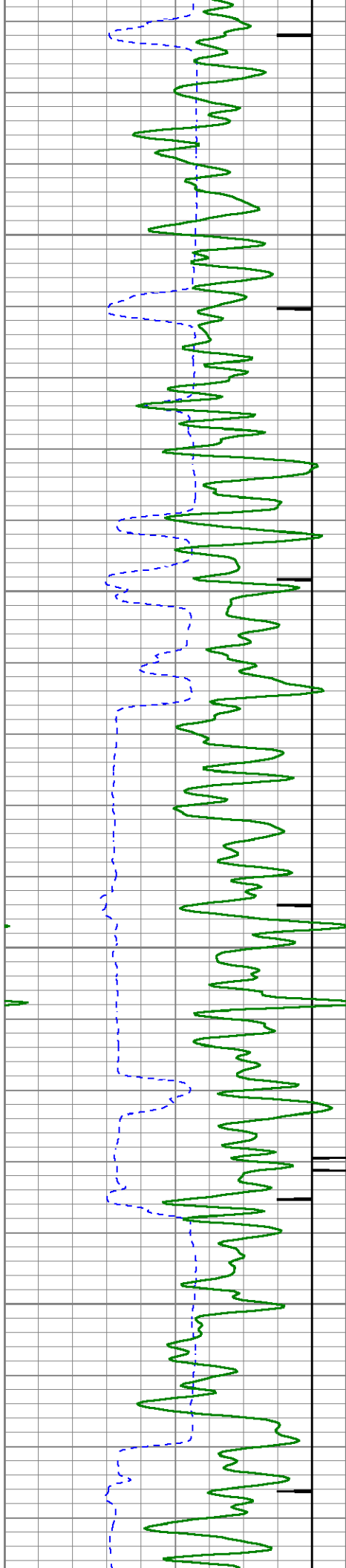
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1500
1550
1600
1650
1700



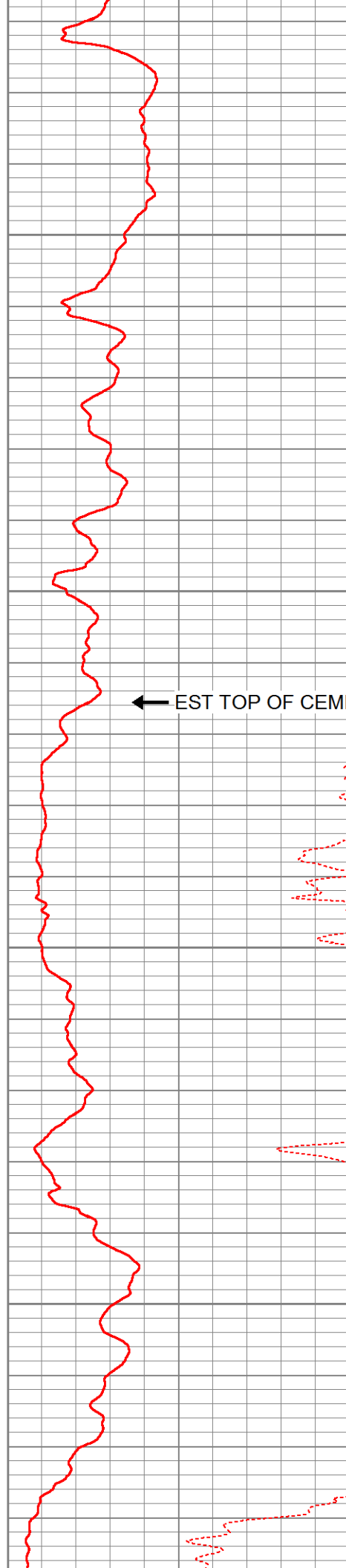


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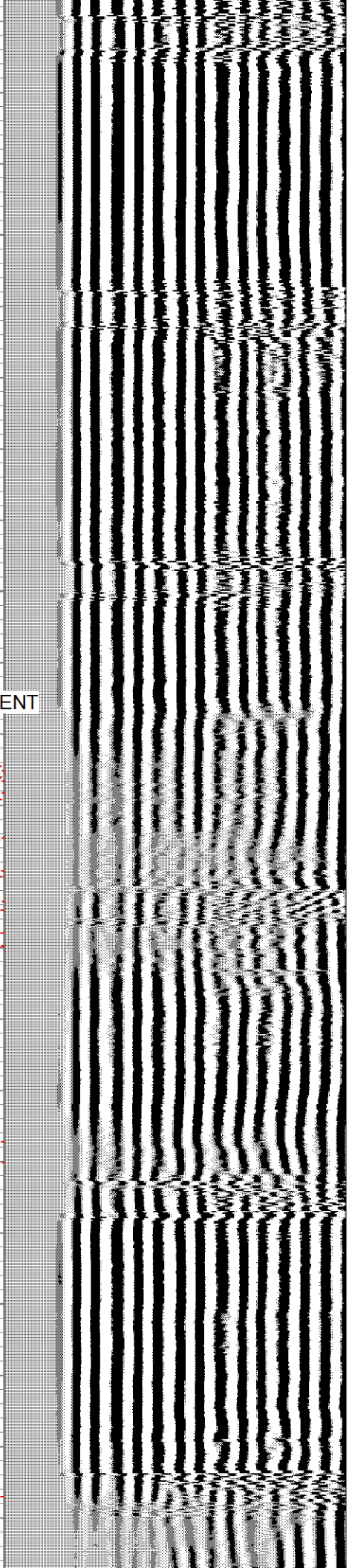
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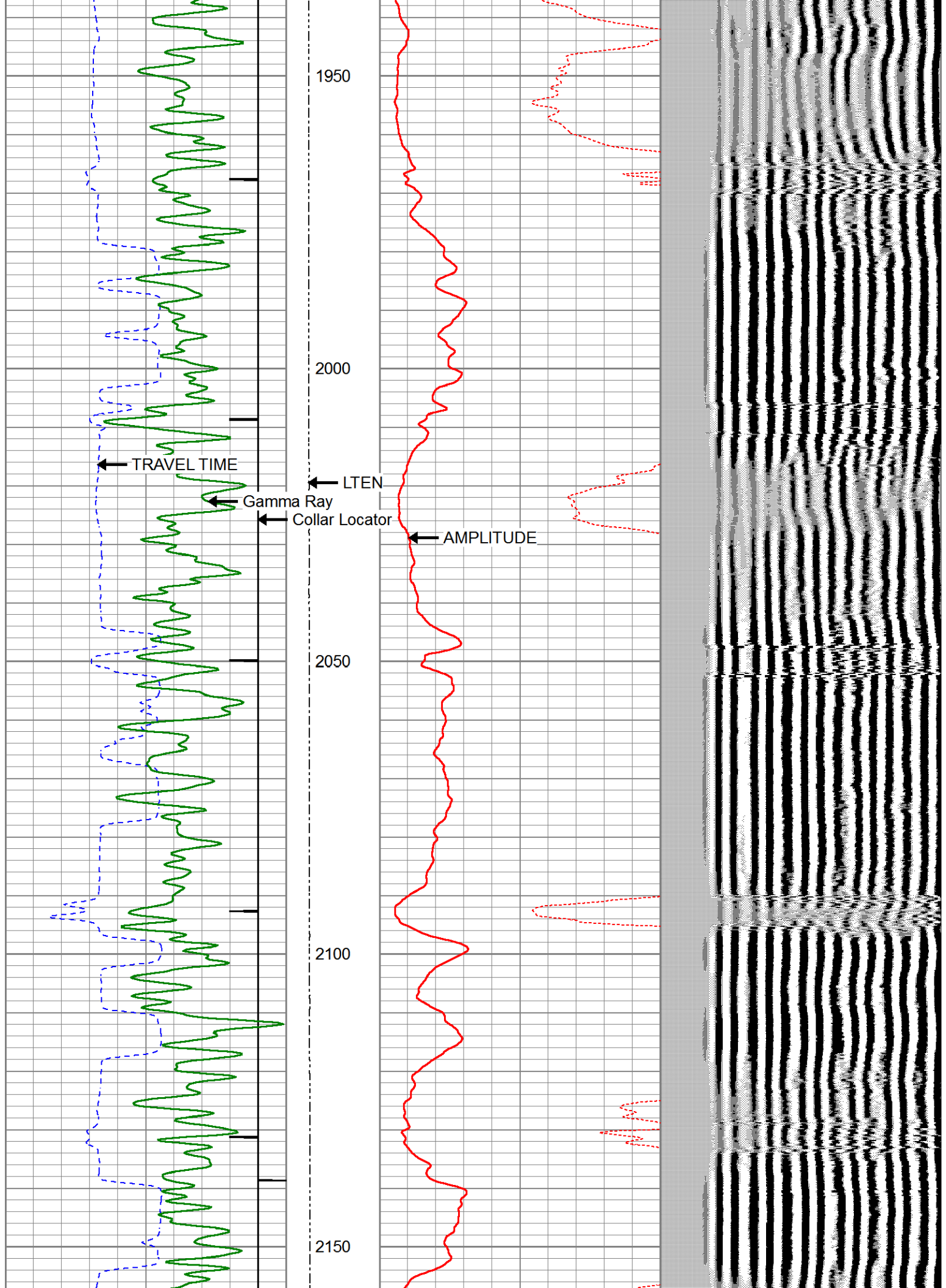
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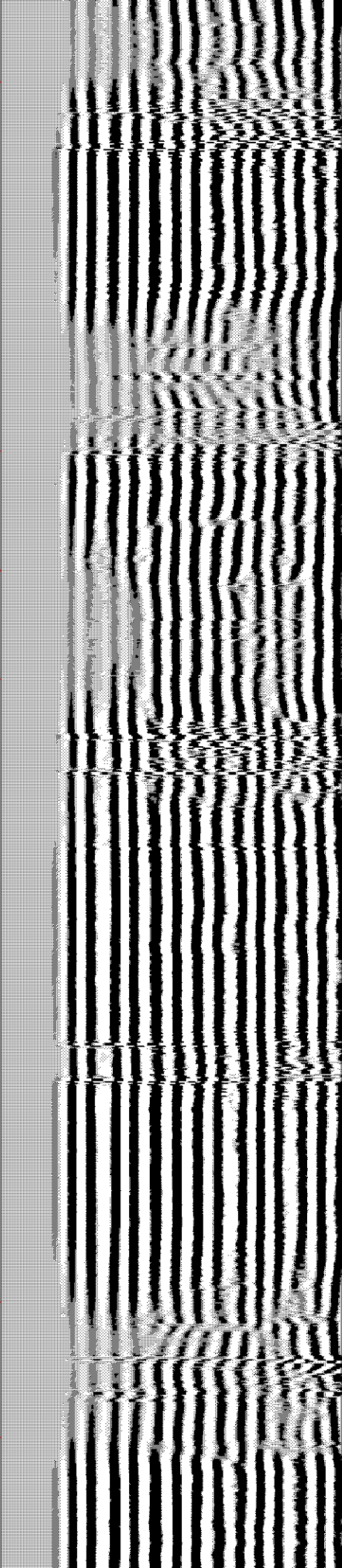
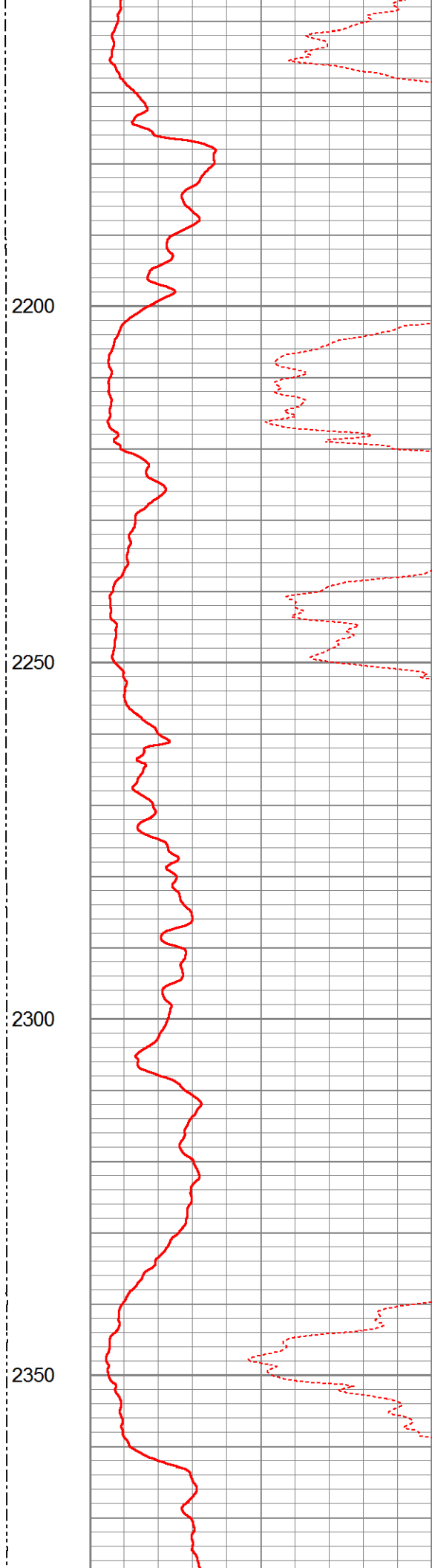
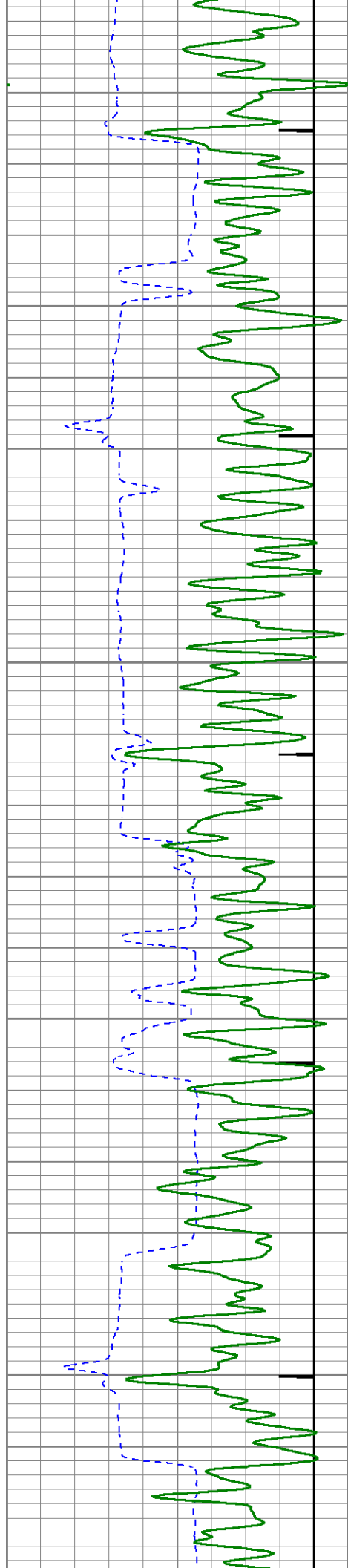
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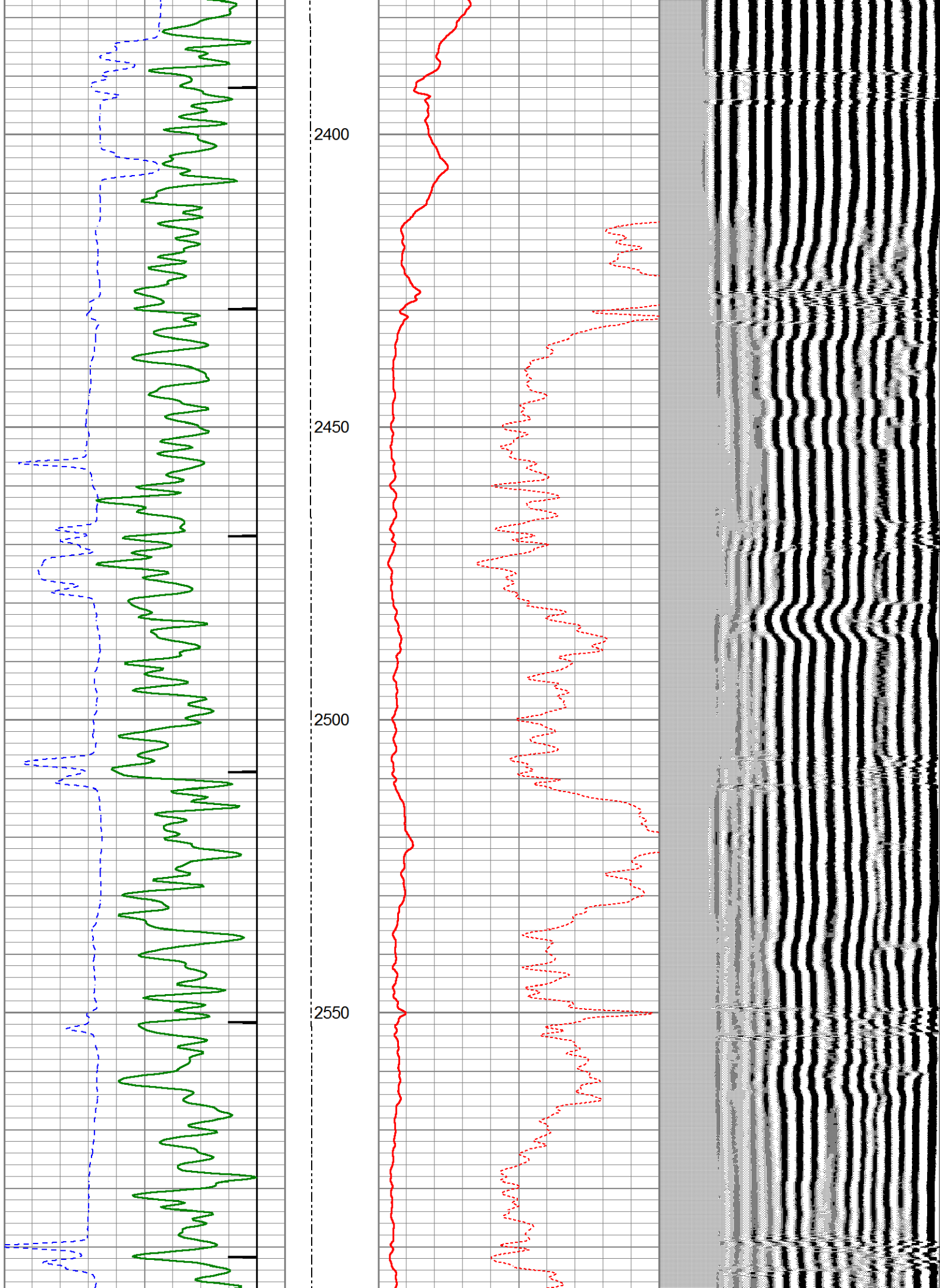


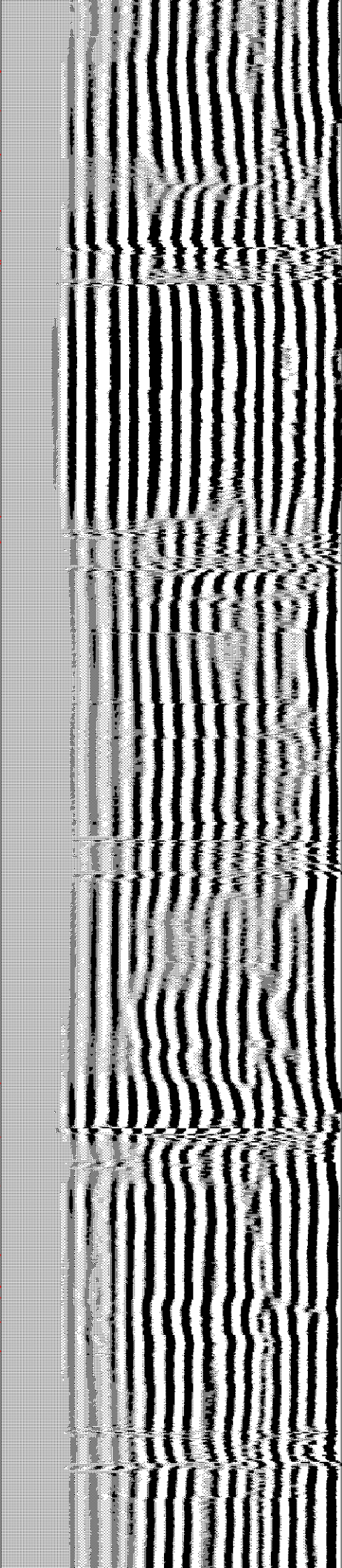
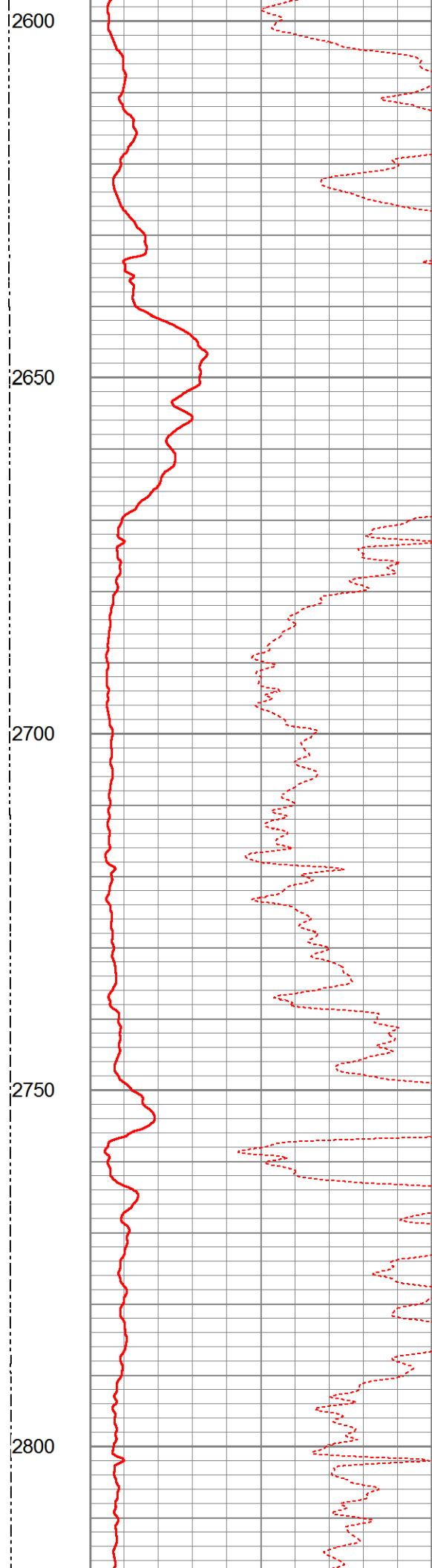
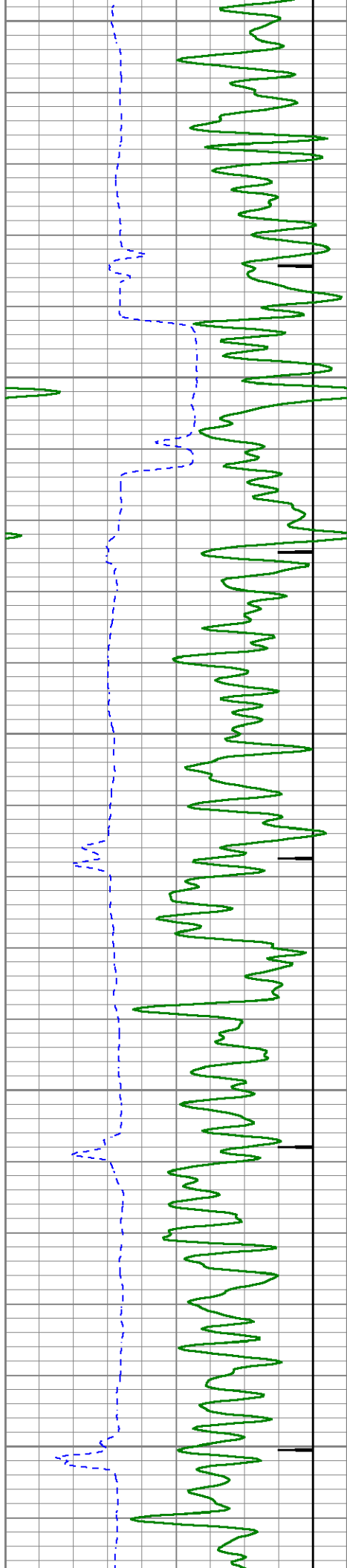
← EST TOP OF CEMENT

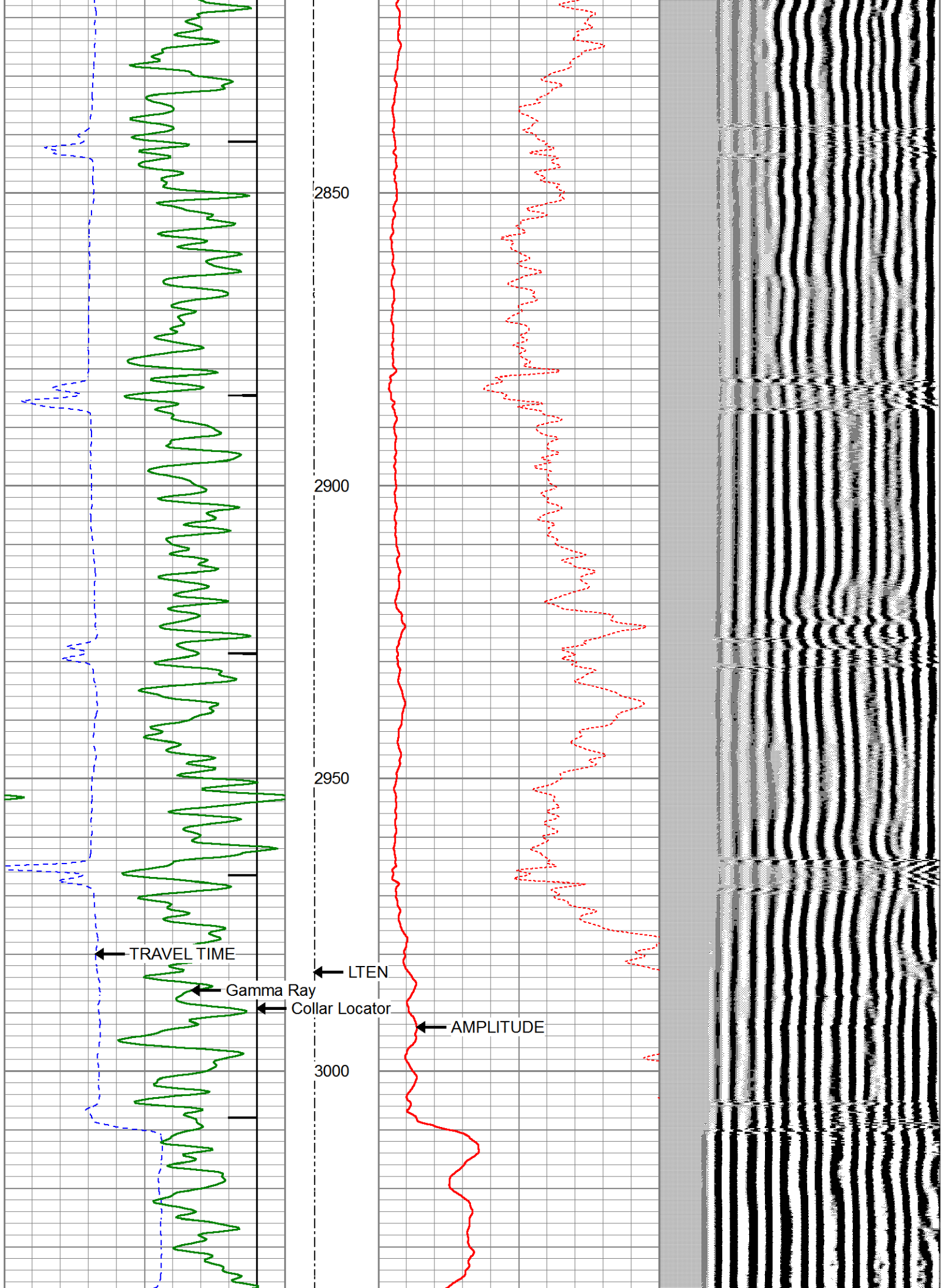


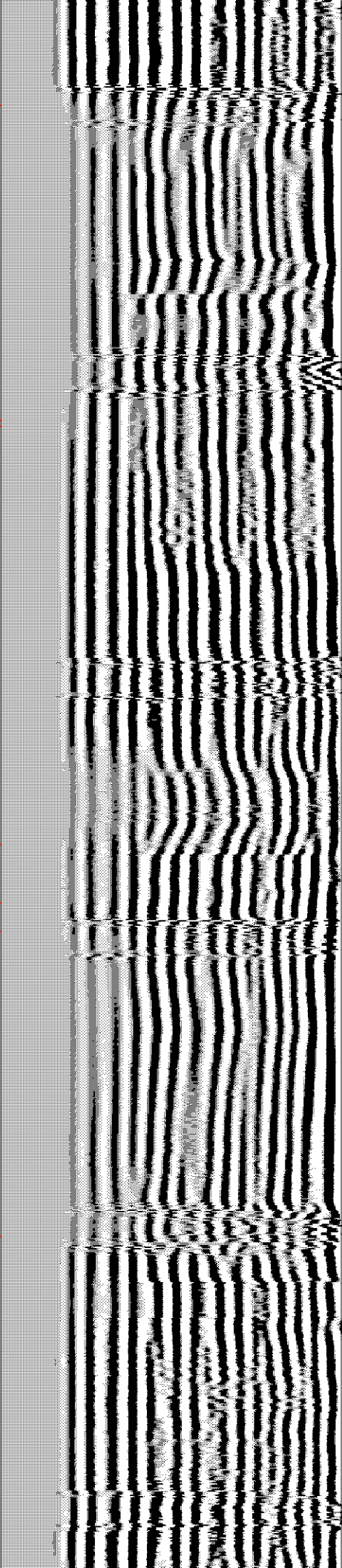
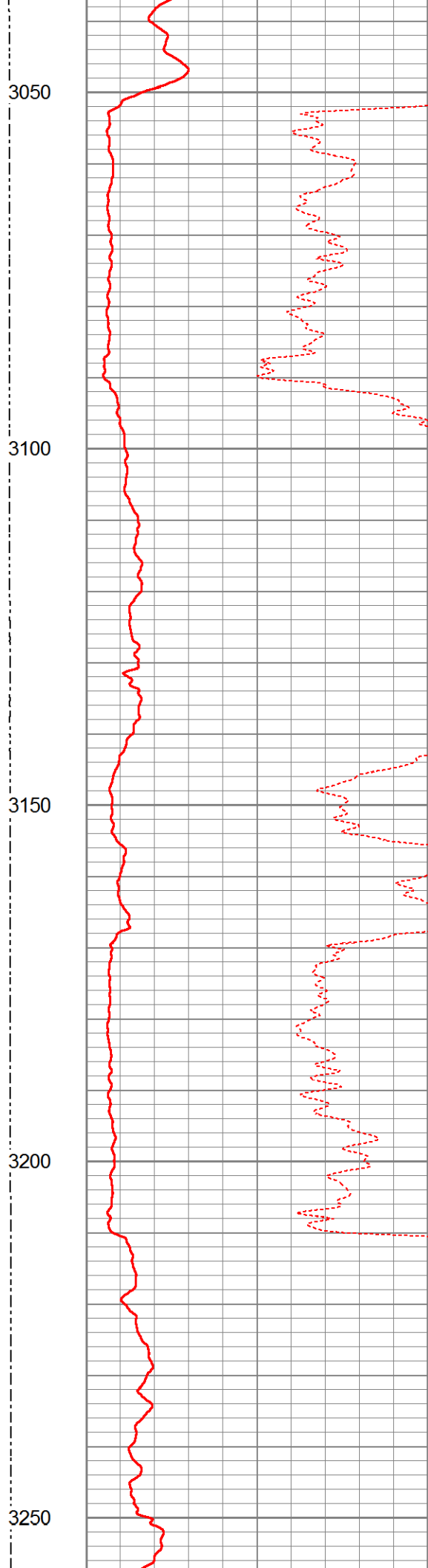
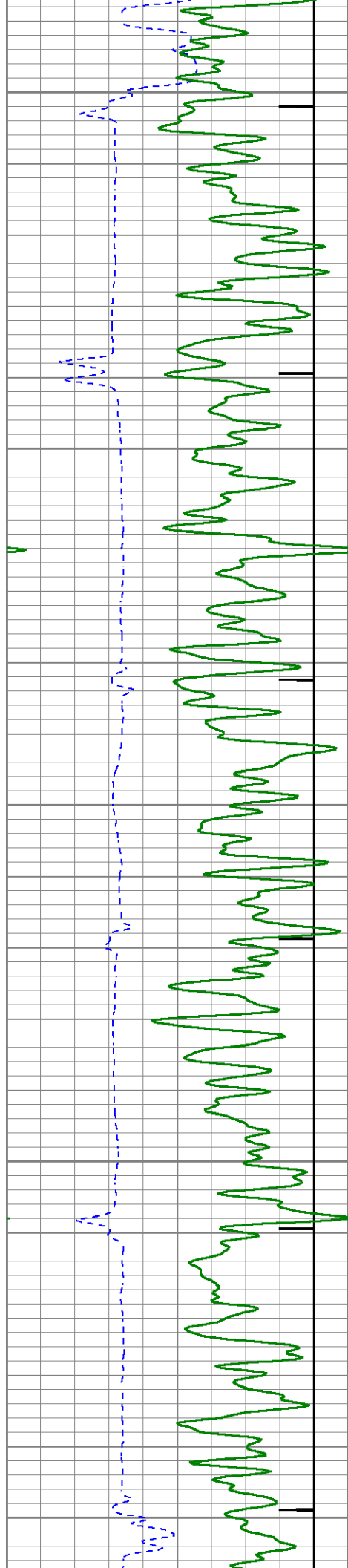


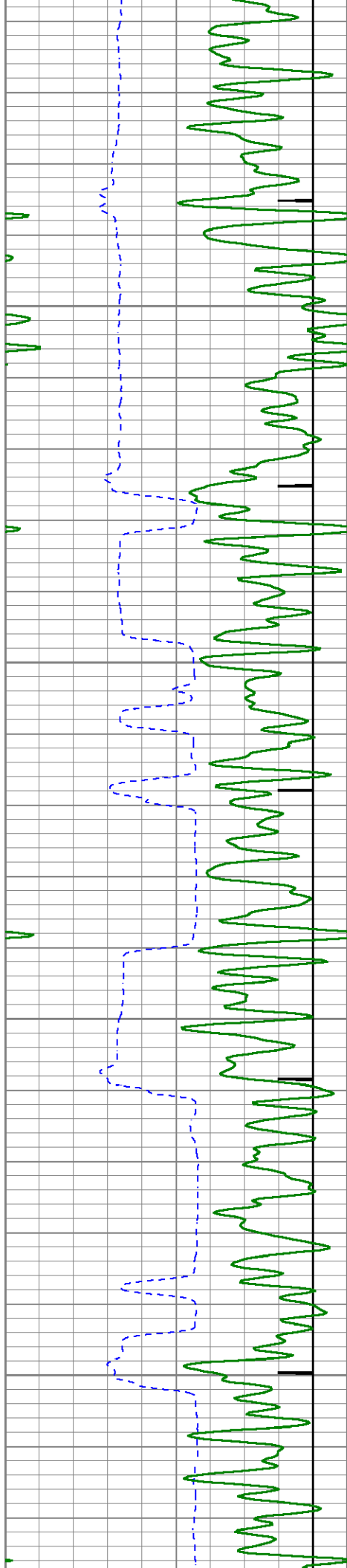










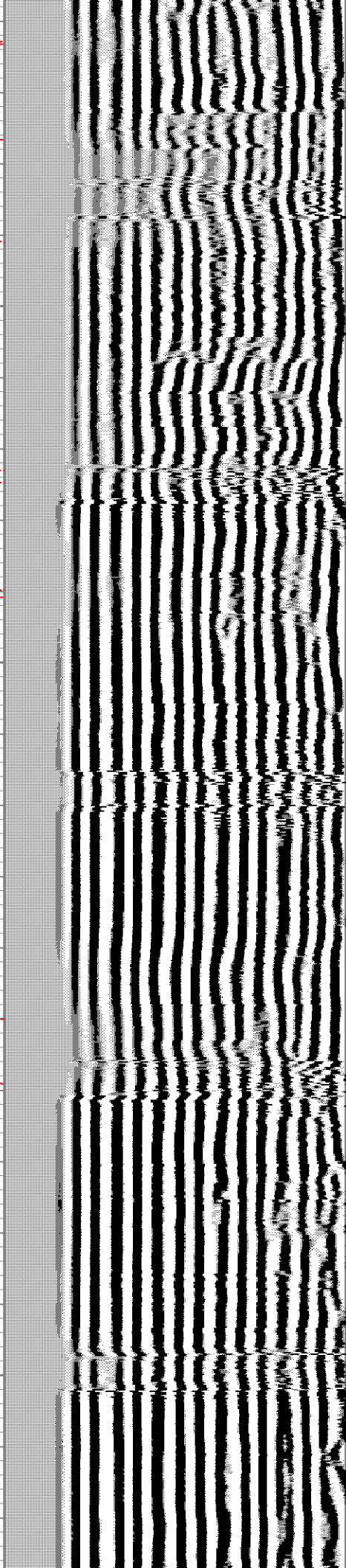
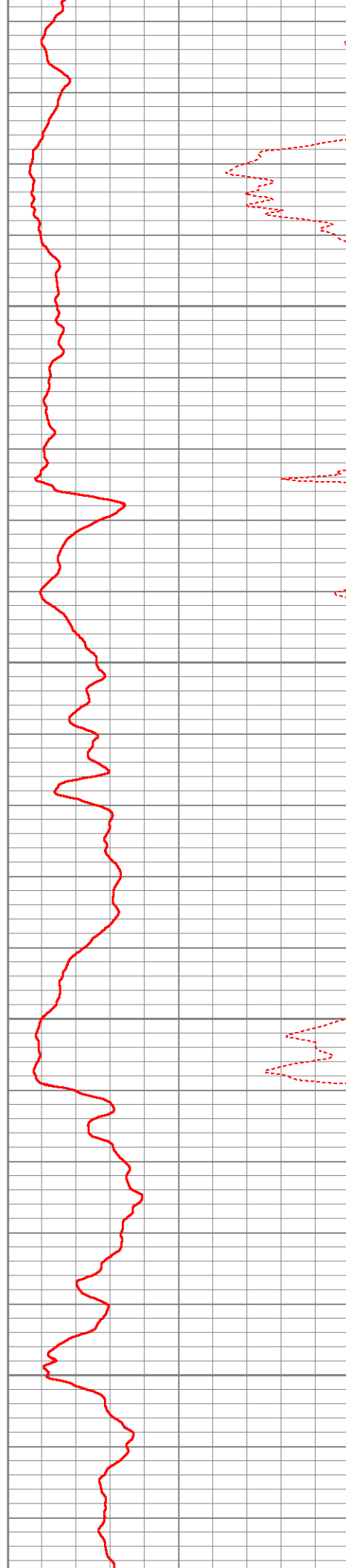


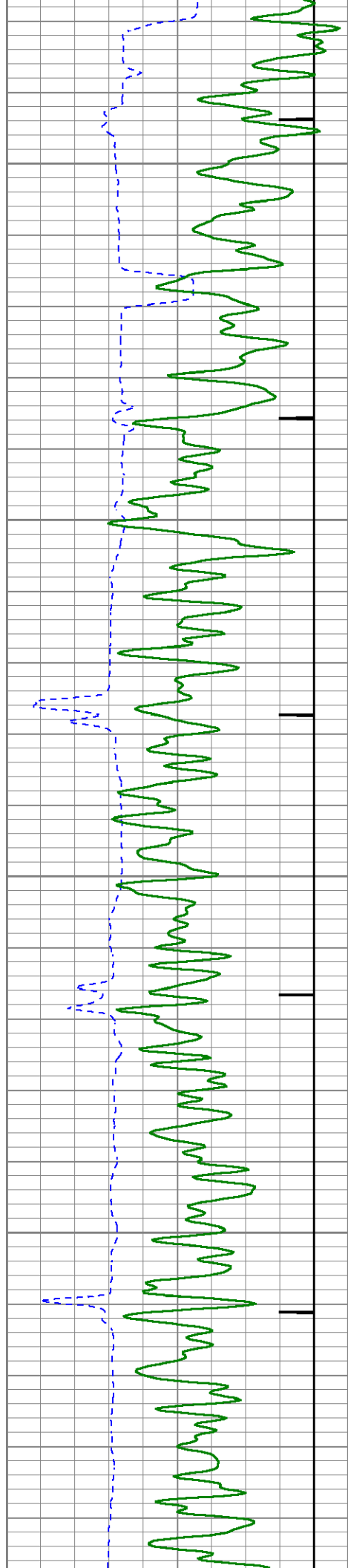
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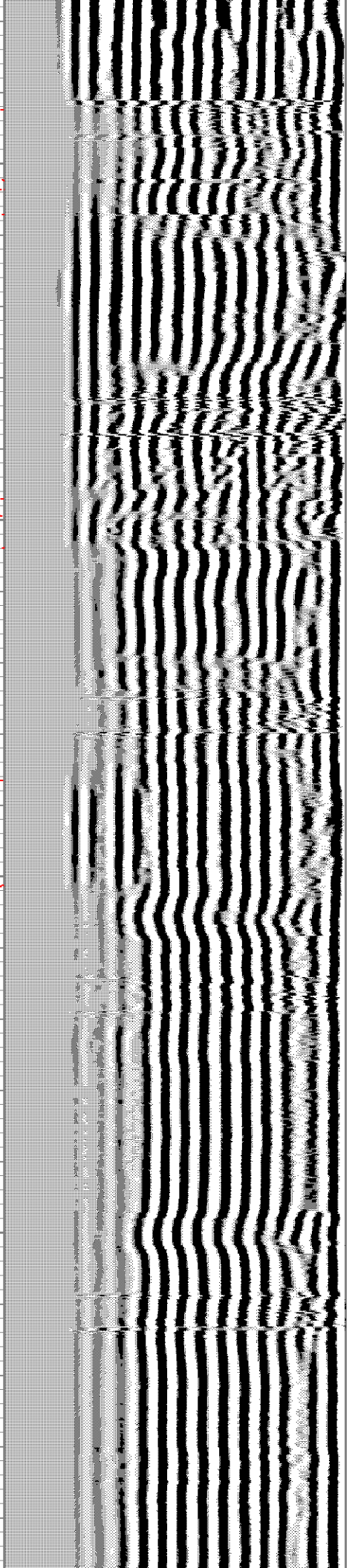
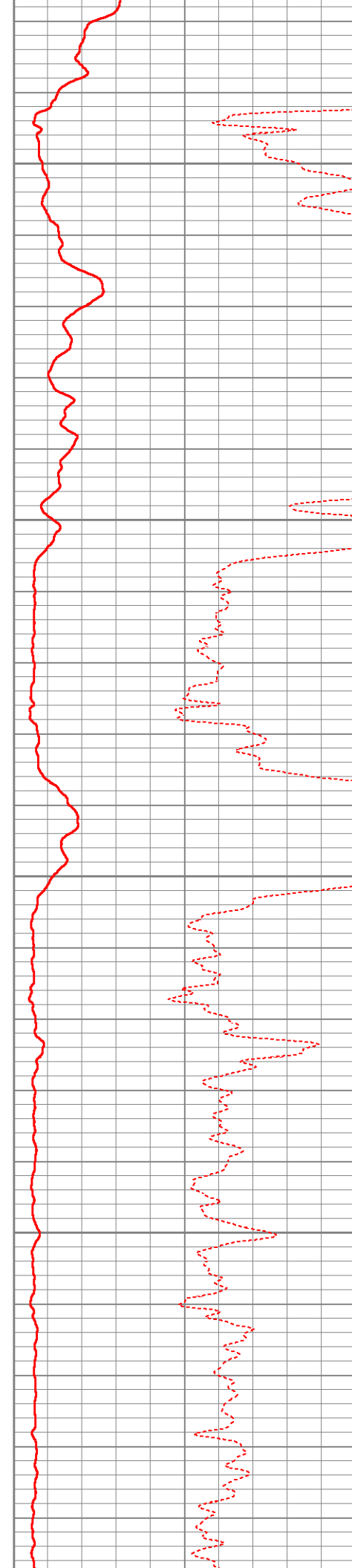


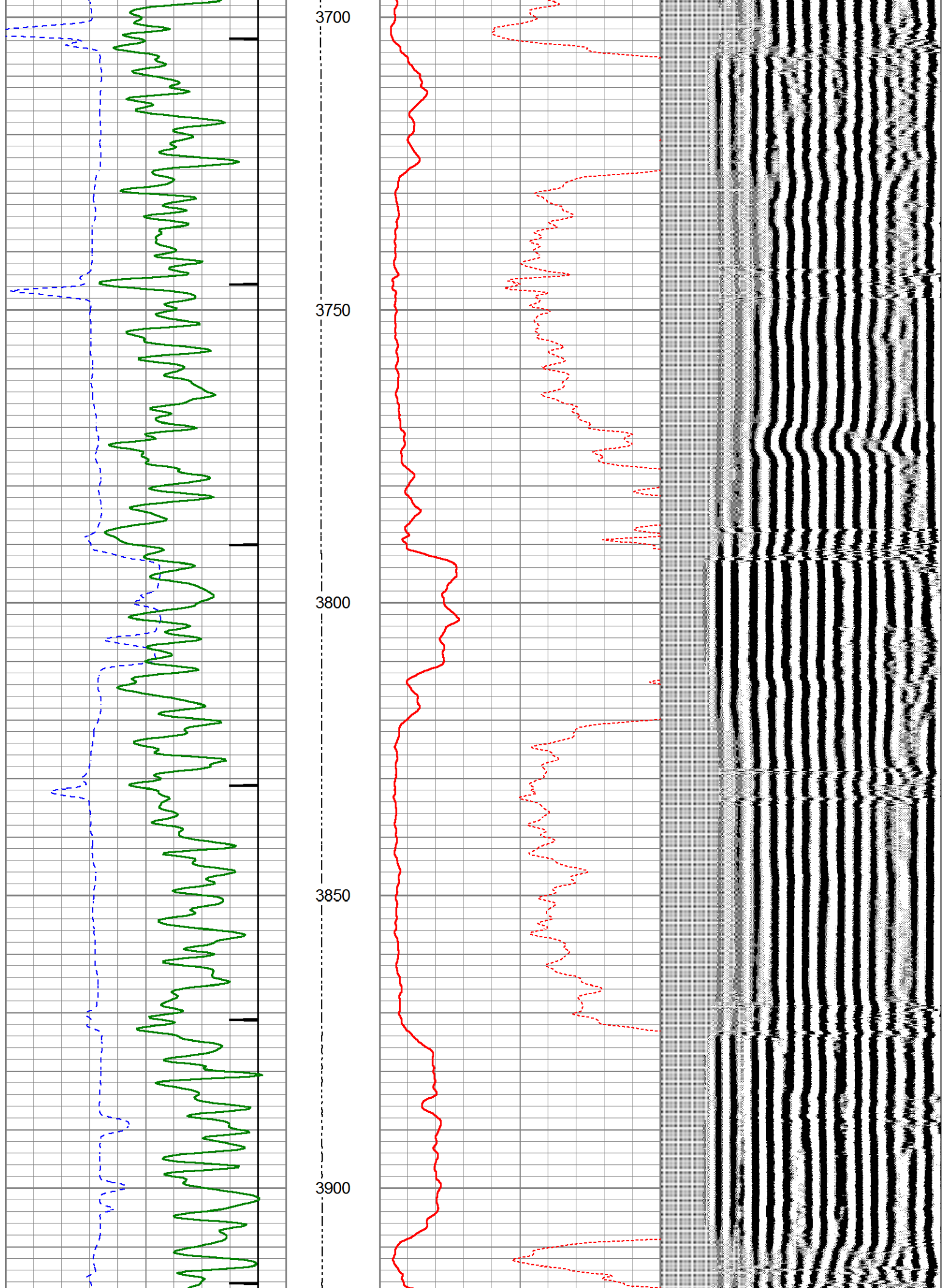
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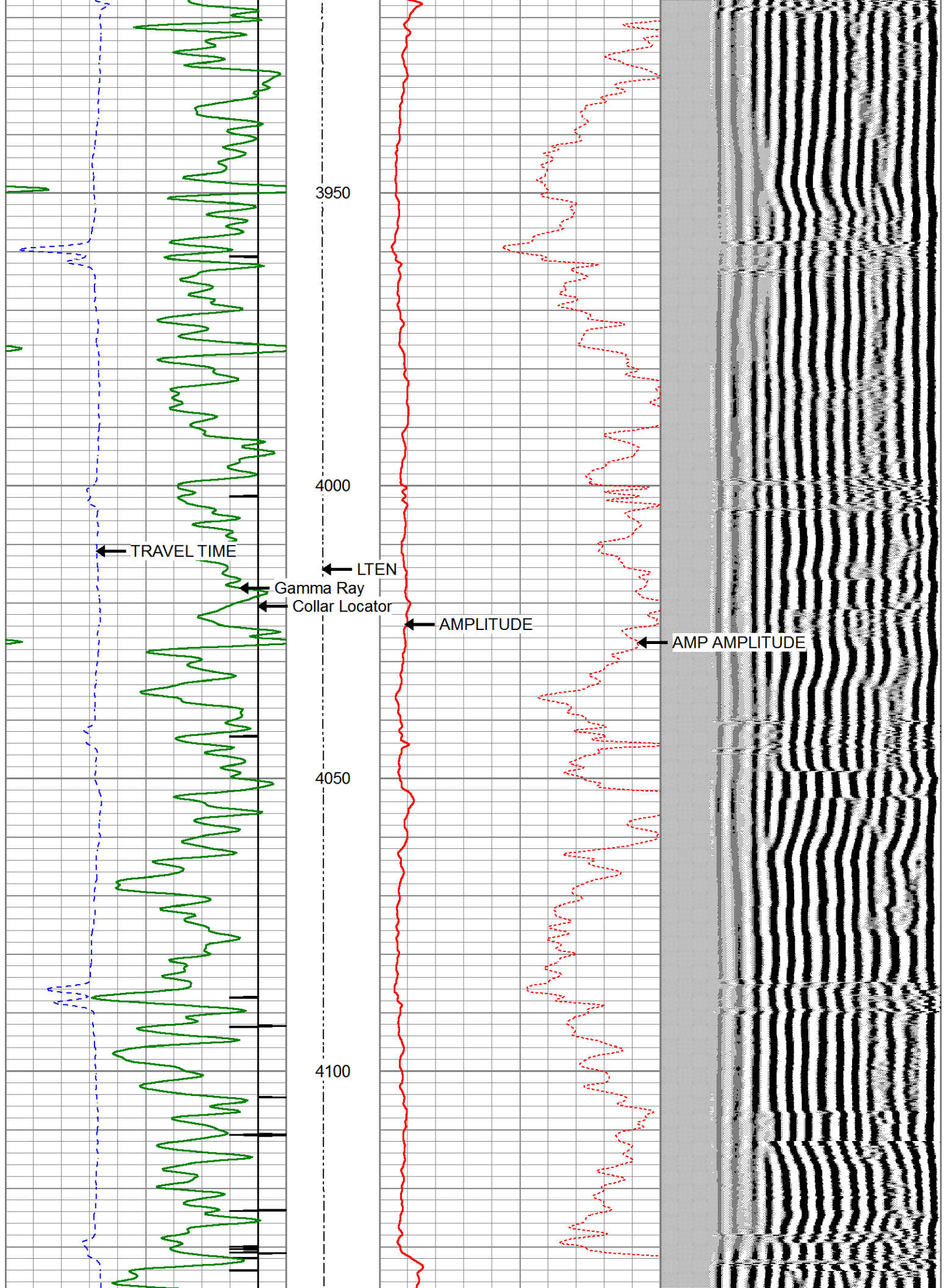
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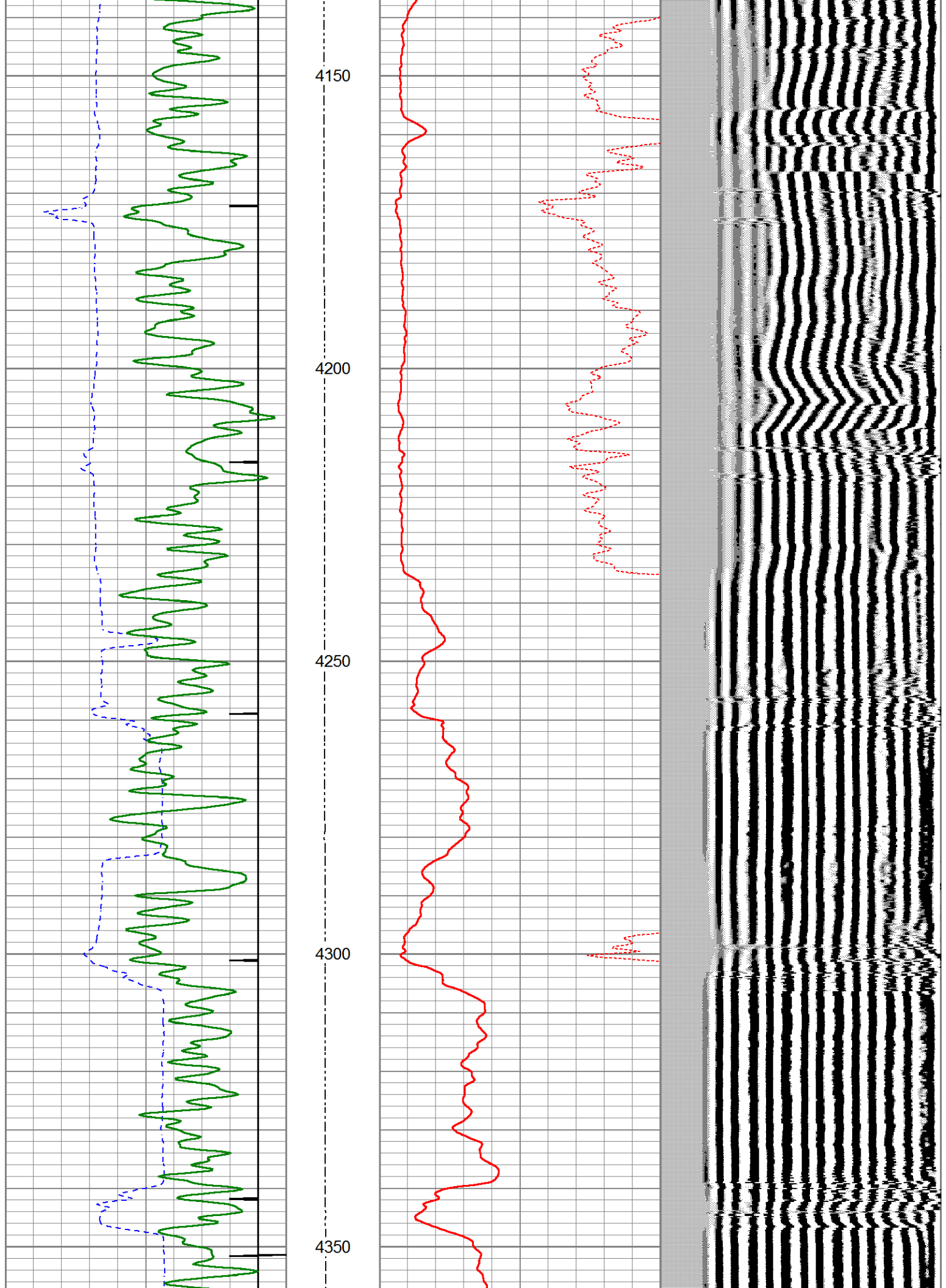
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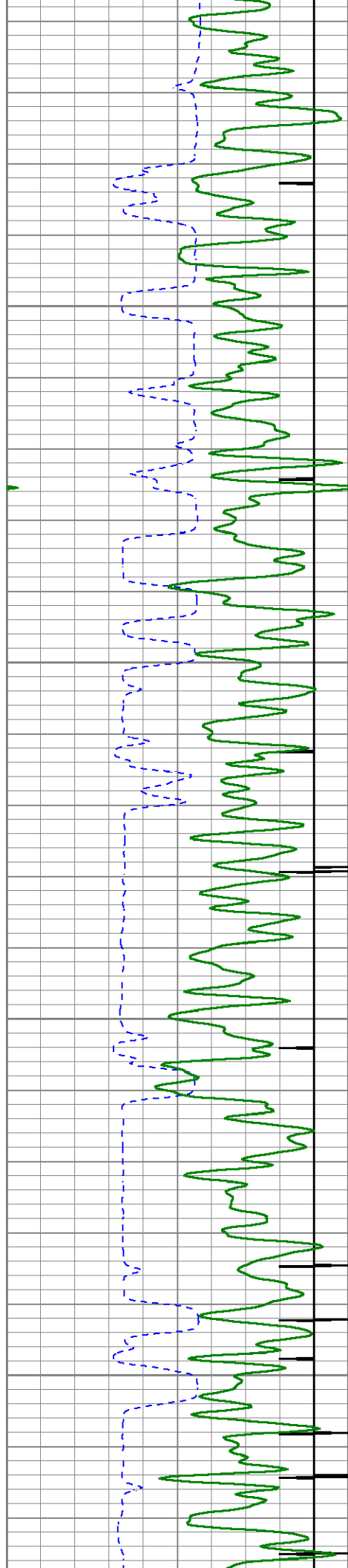
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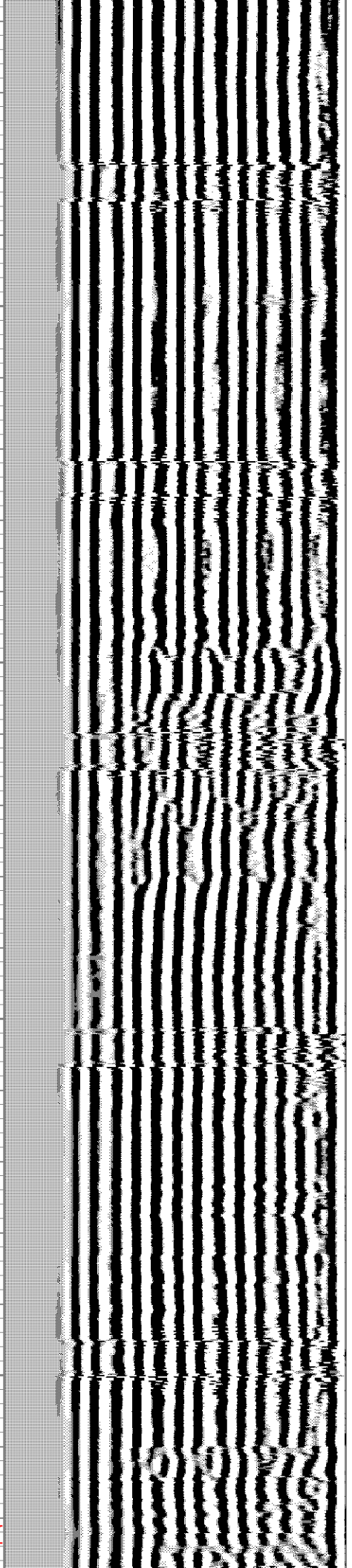
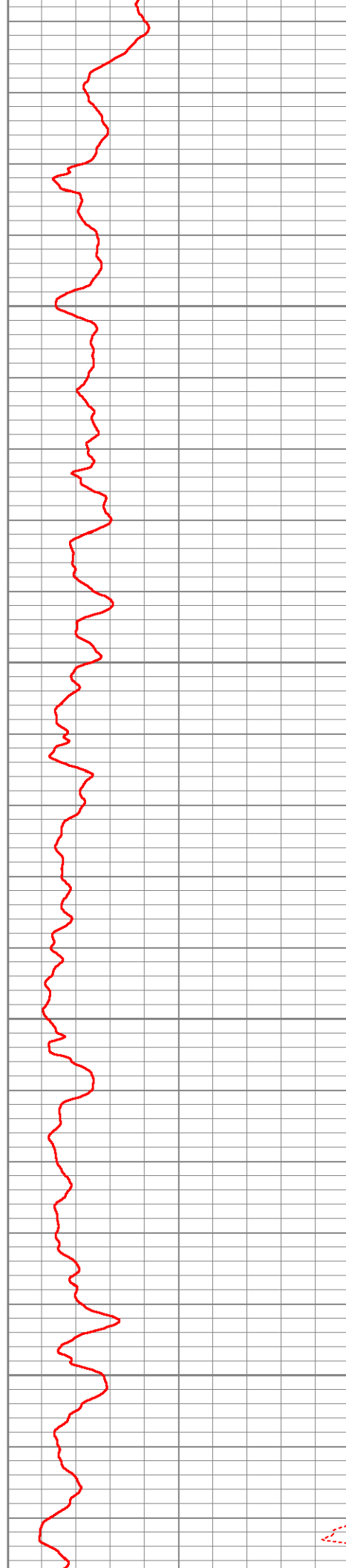


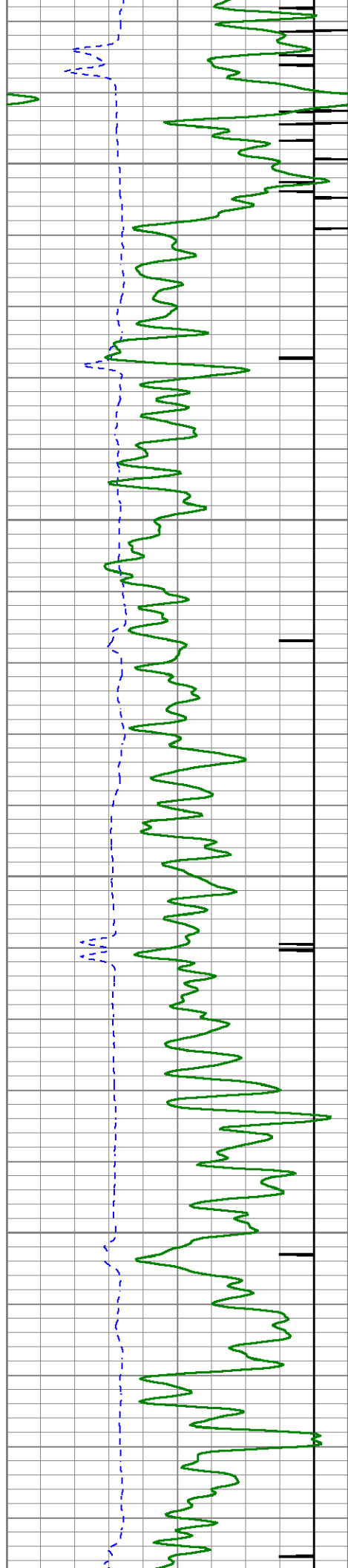
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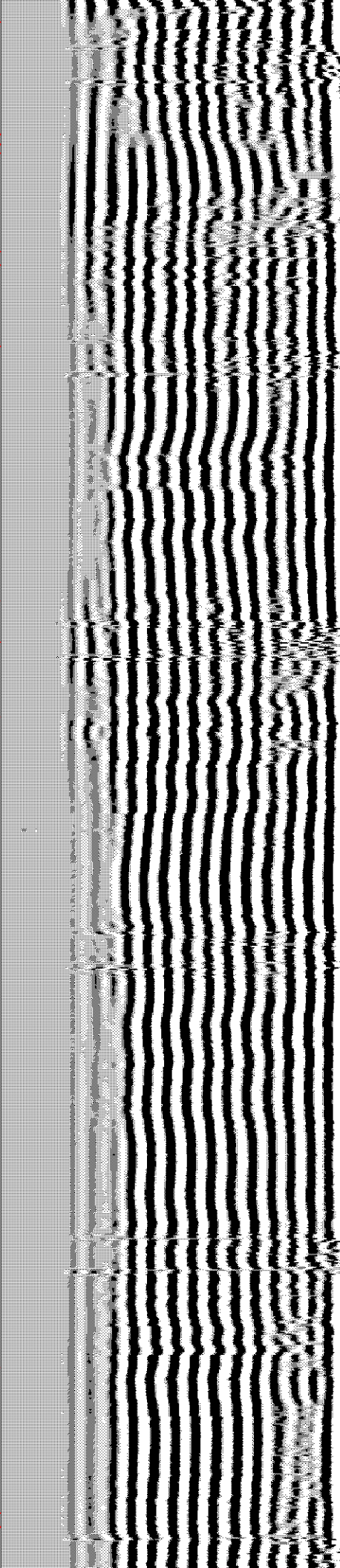
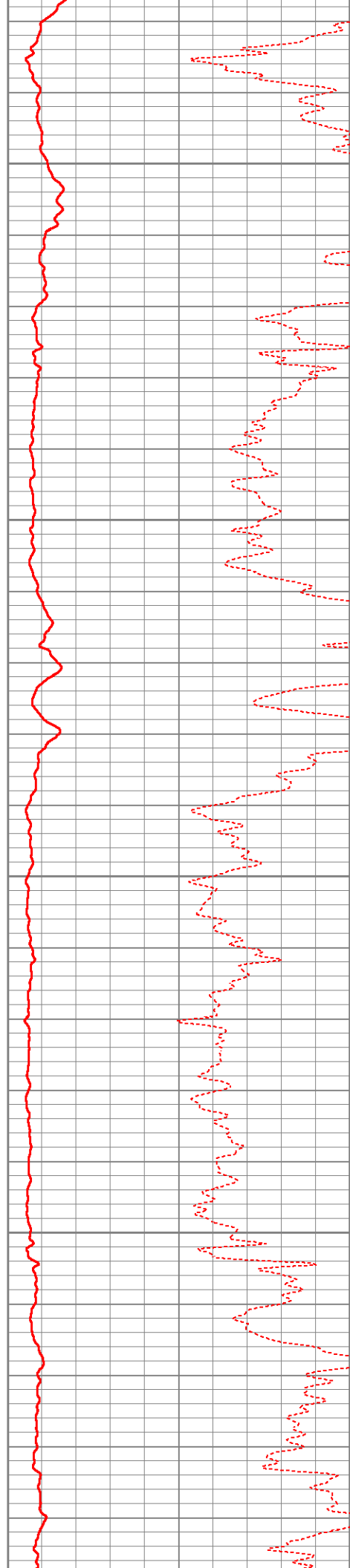


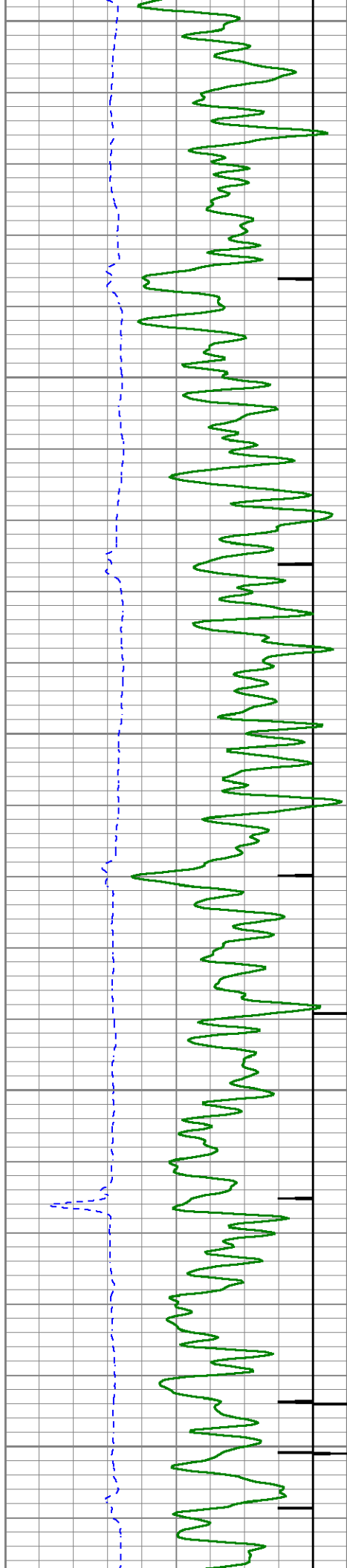
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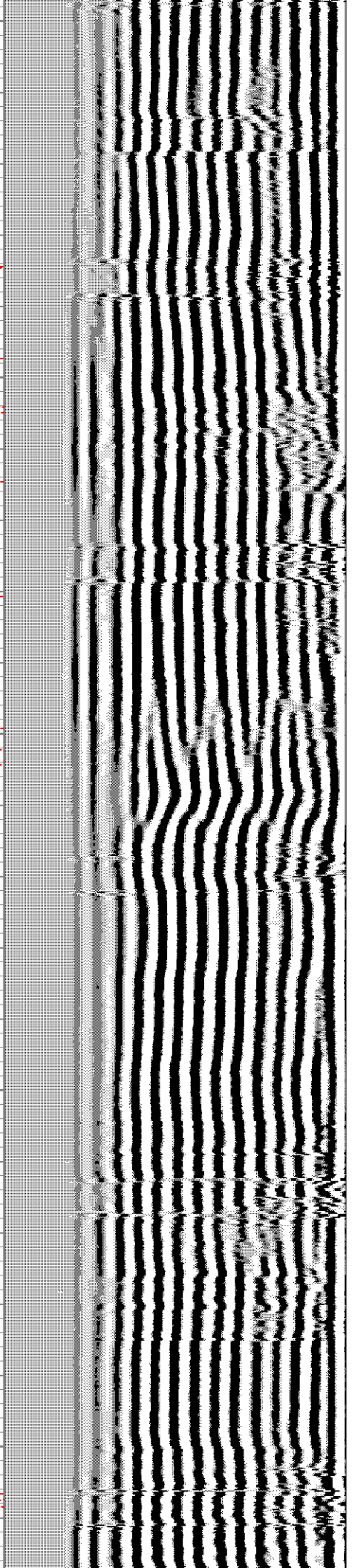
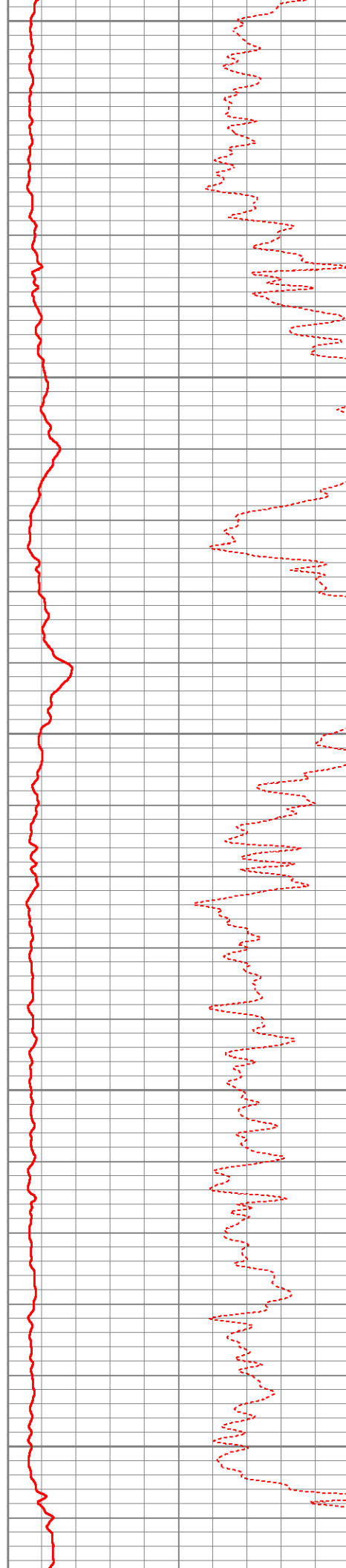
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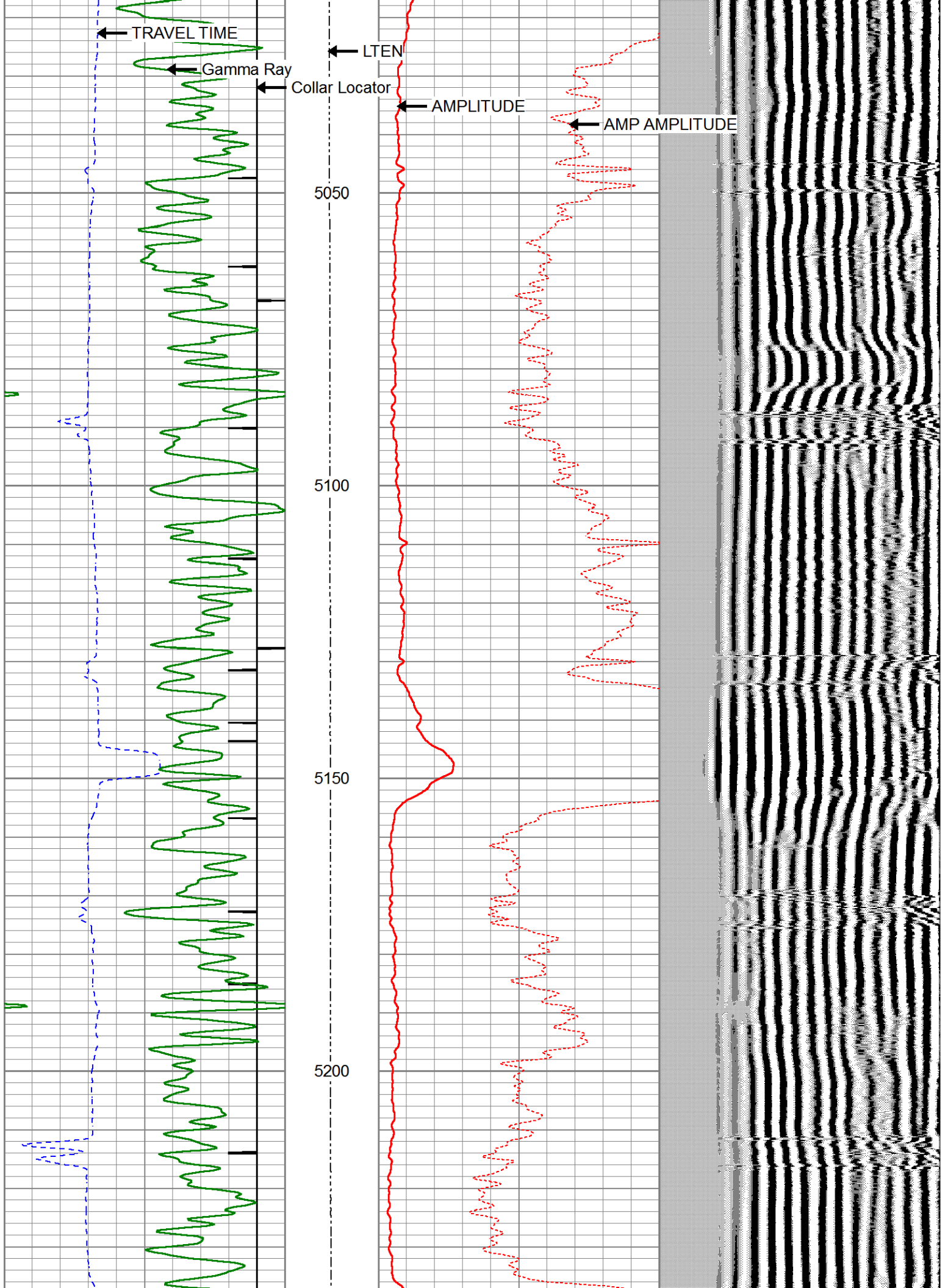
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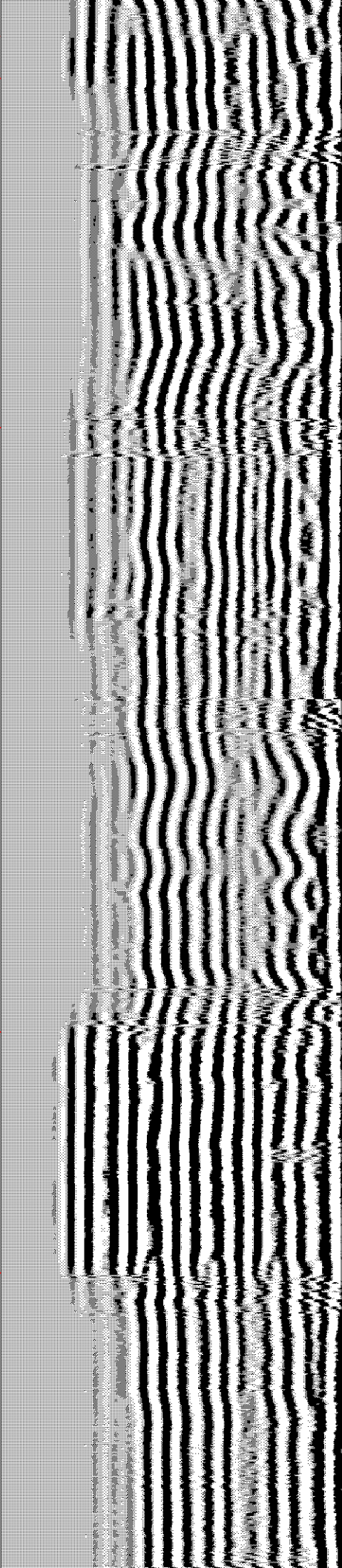
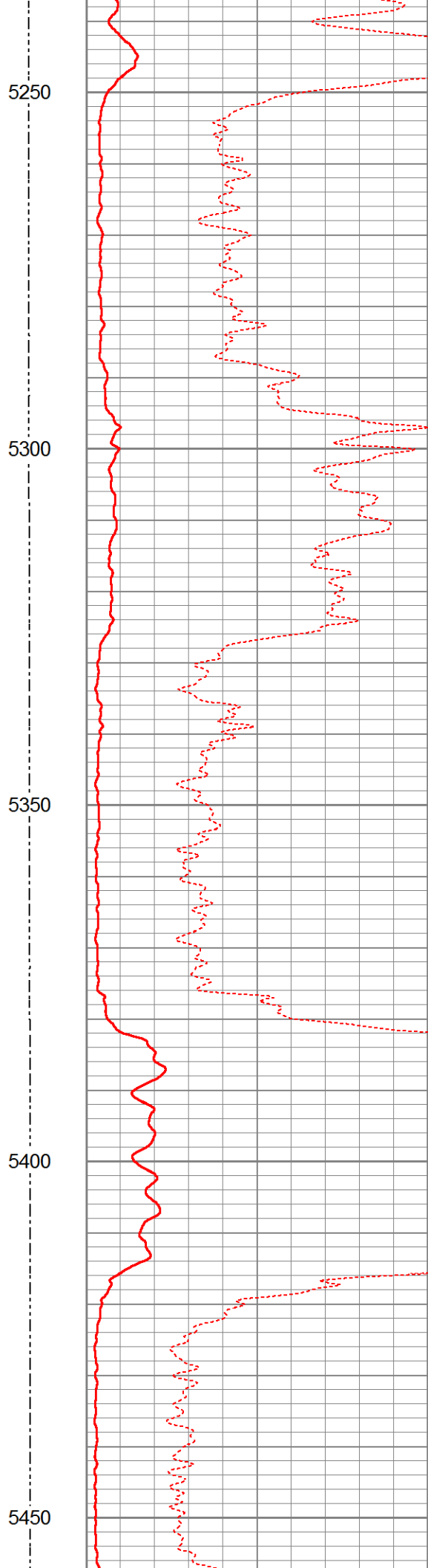
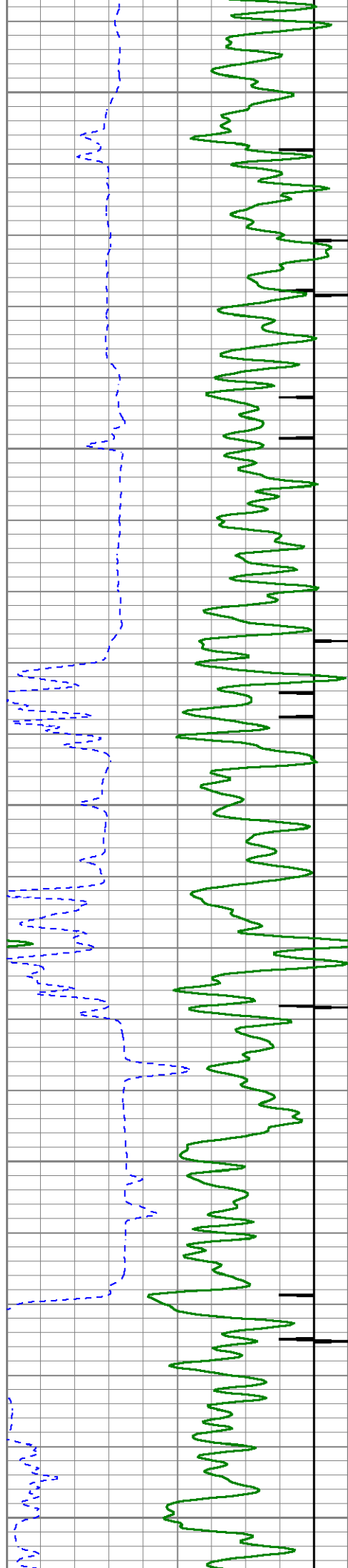
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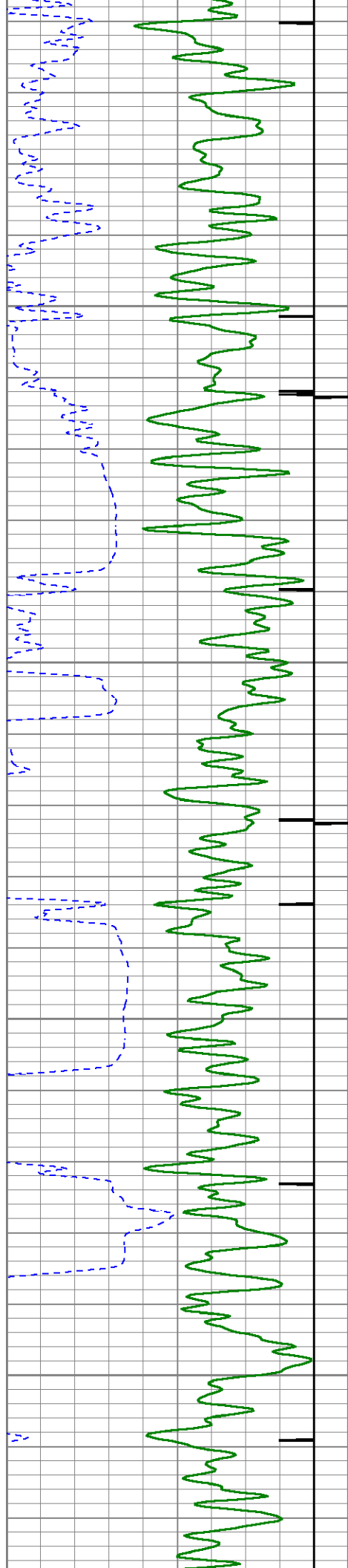
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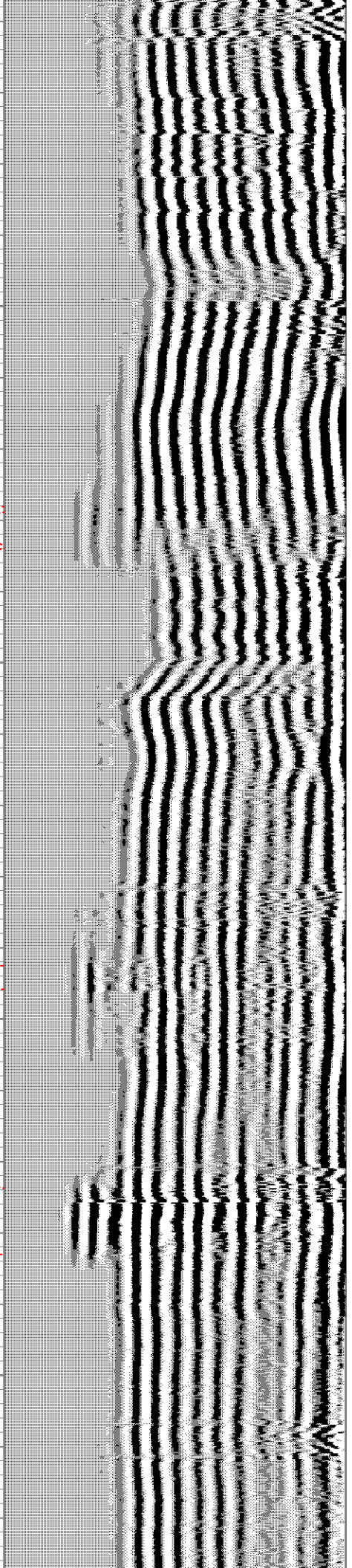


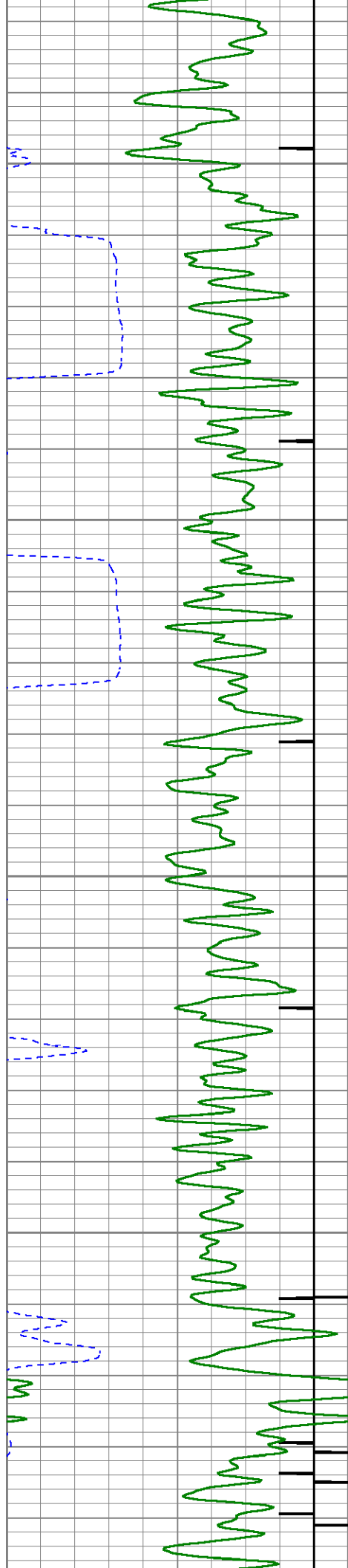
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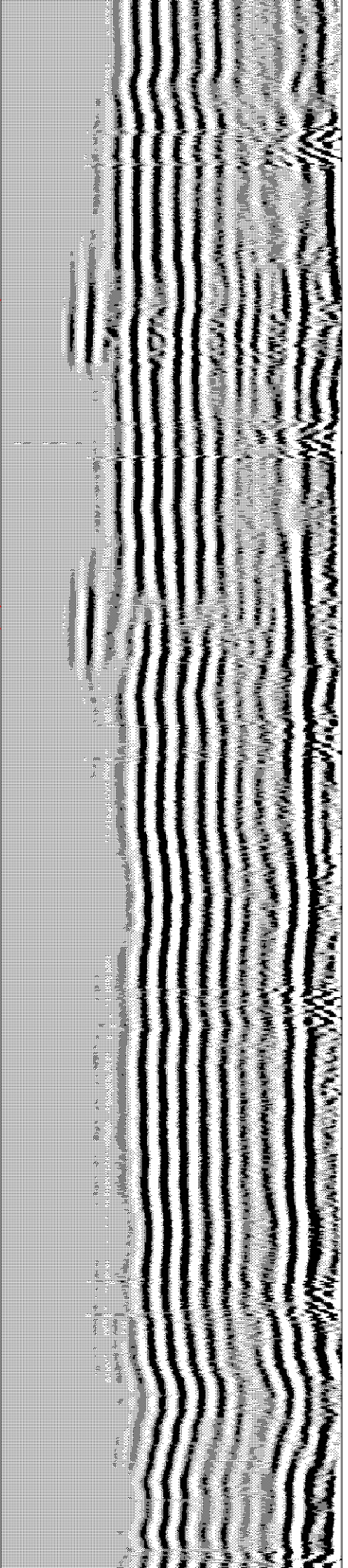
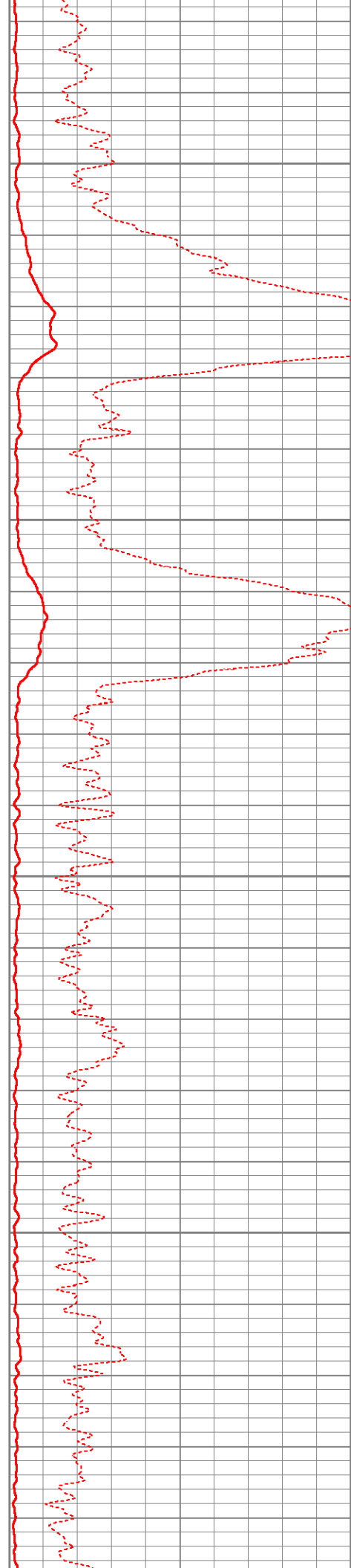


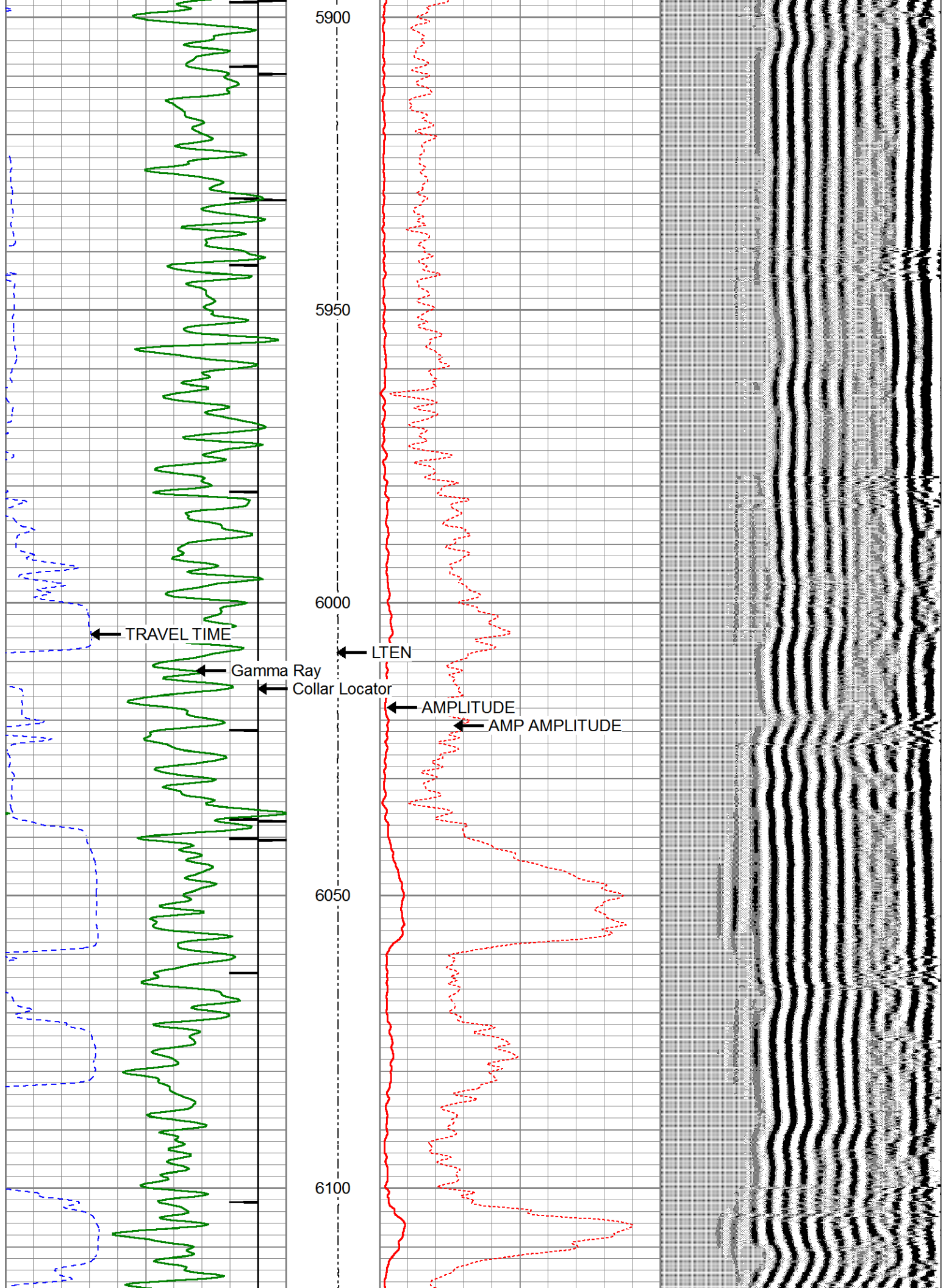
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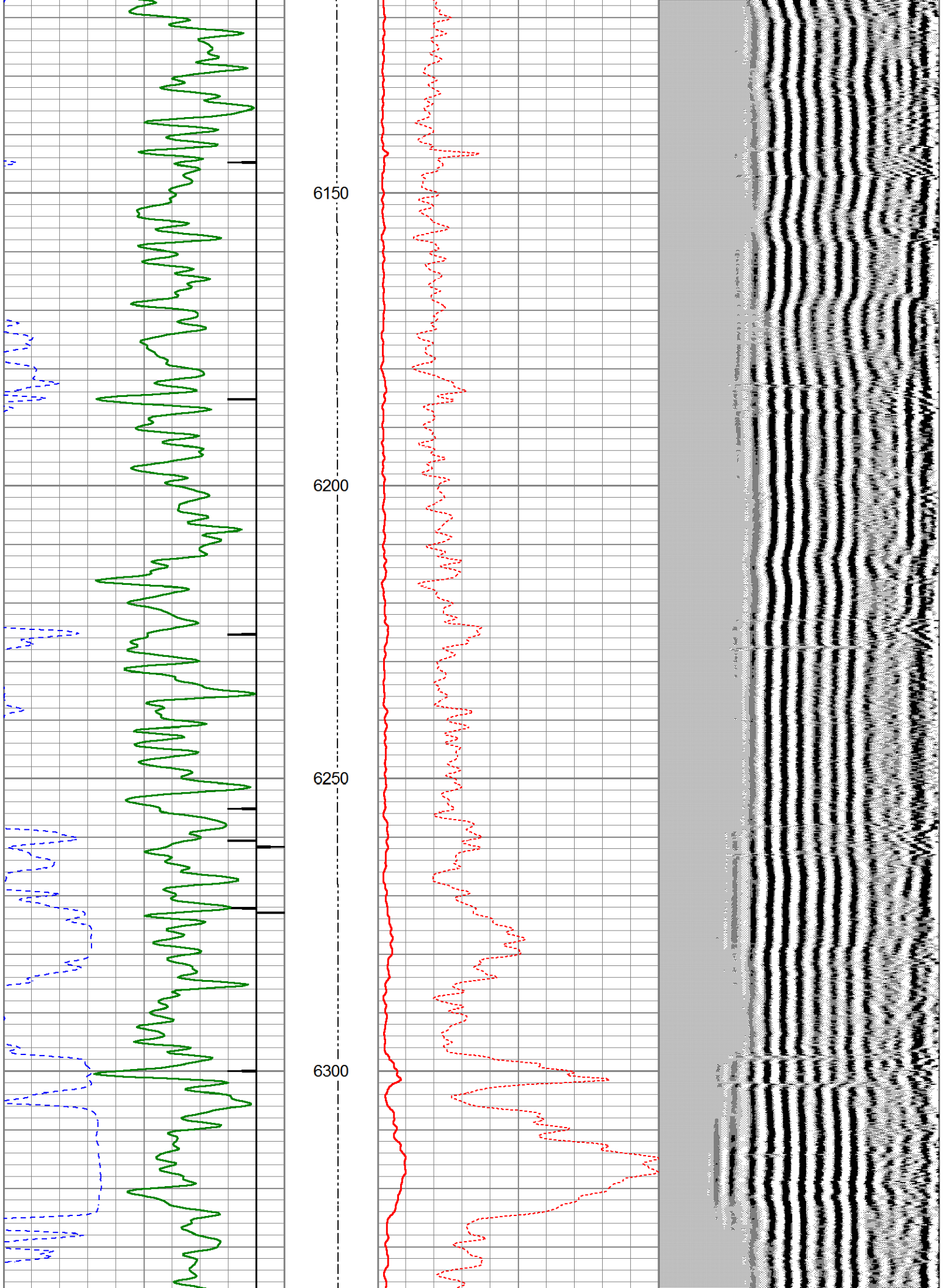
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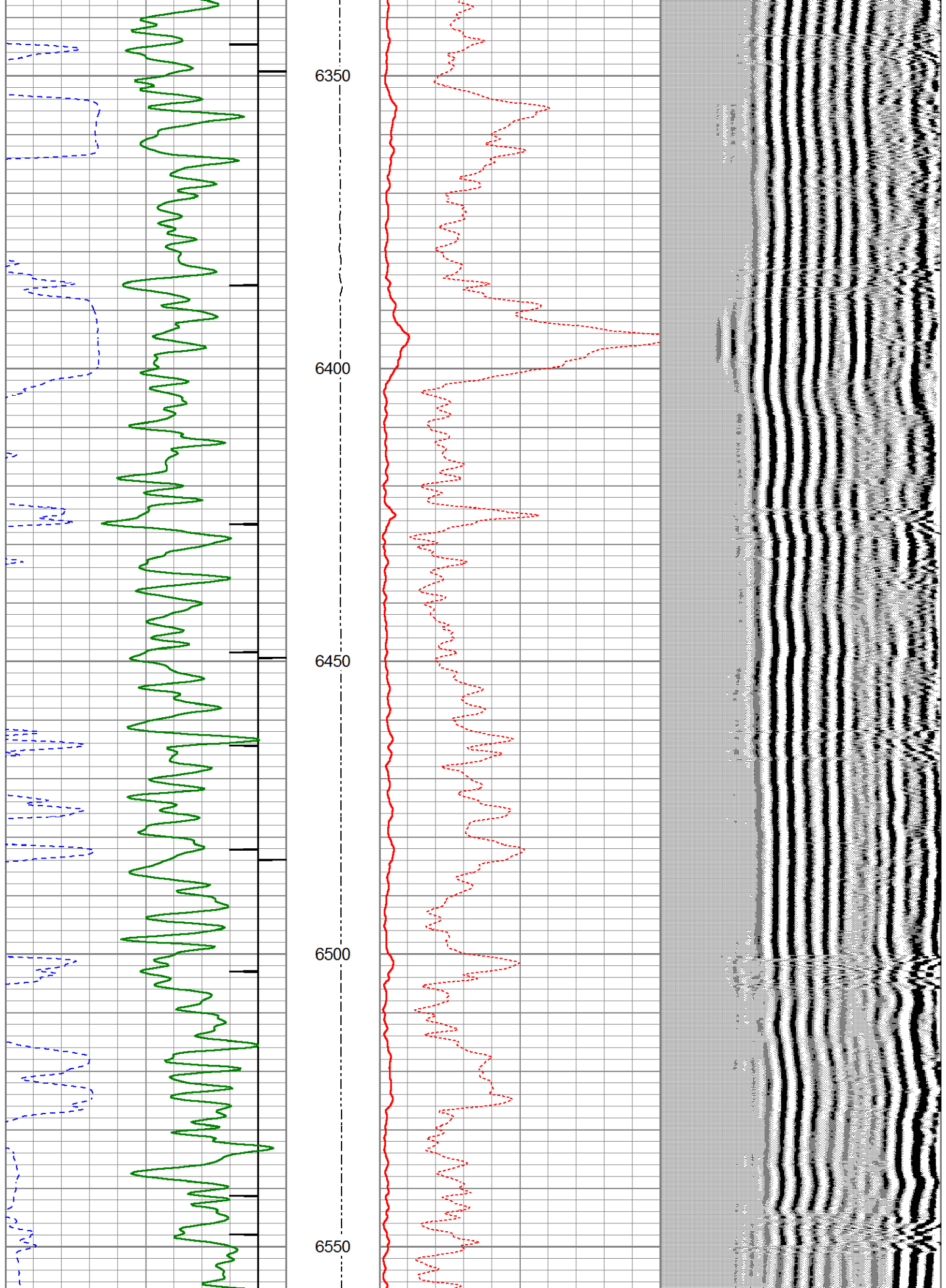
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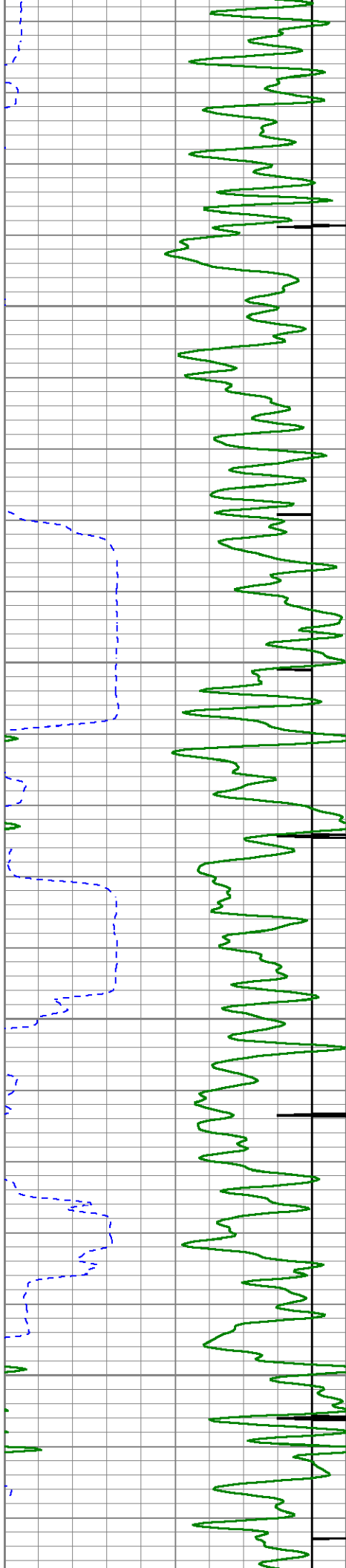
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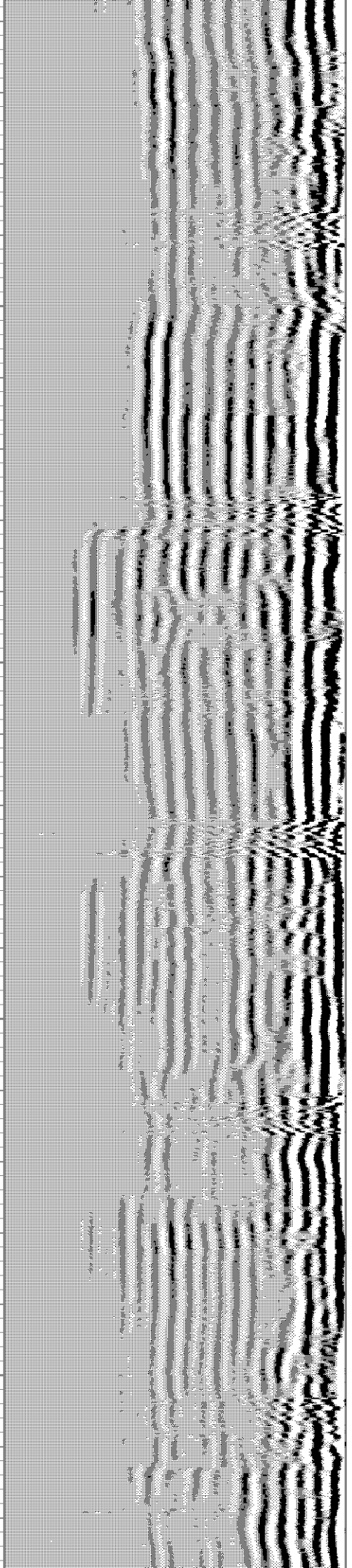
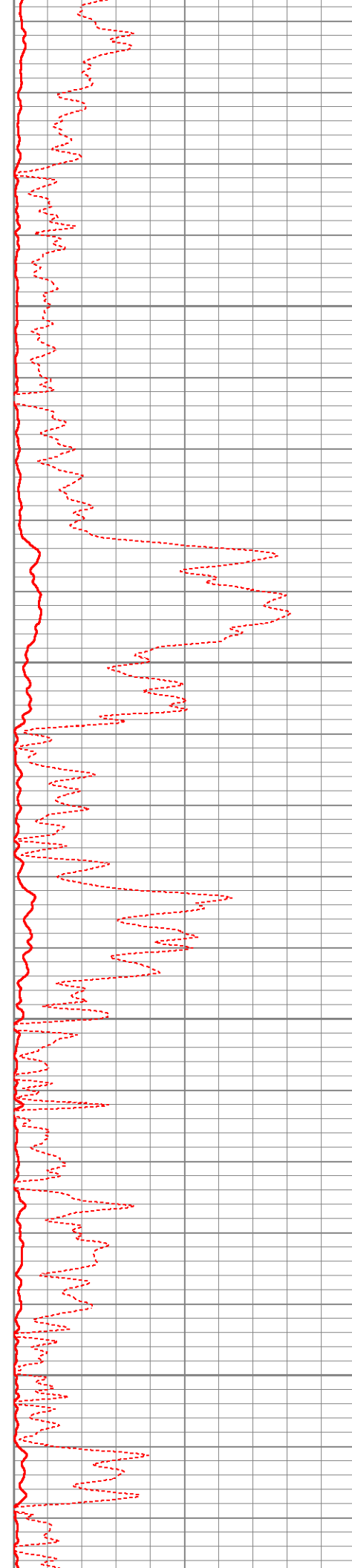


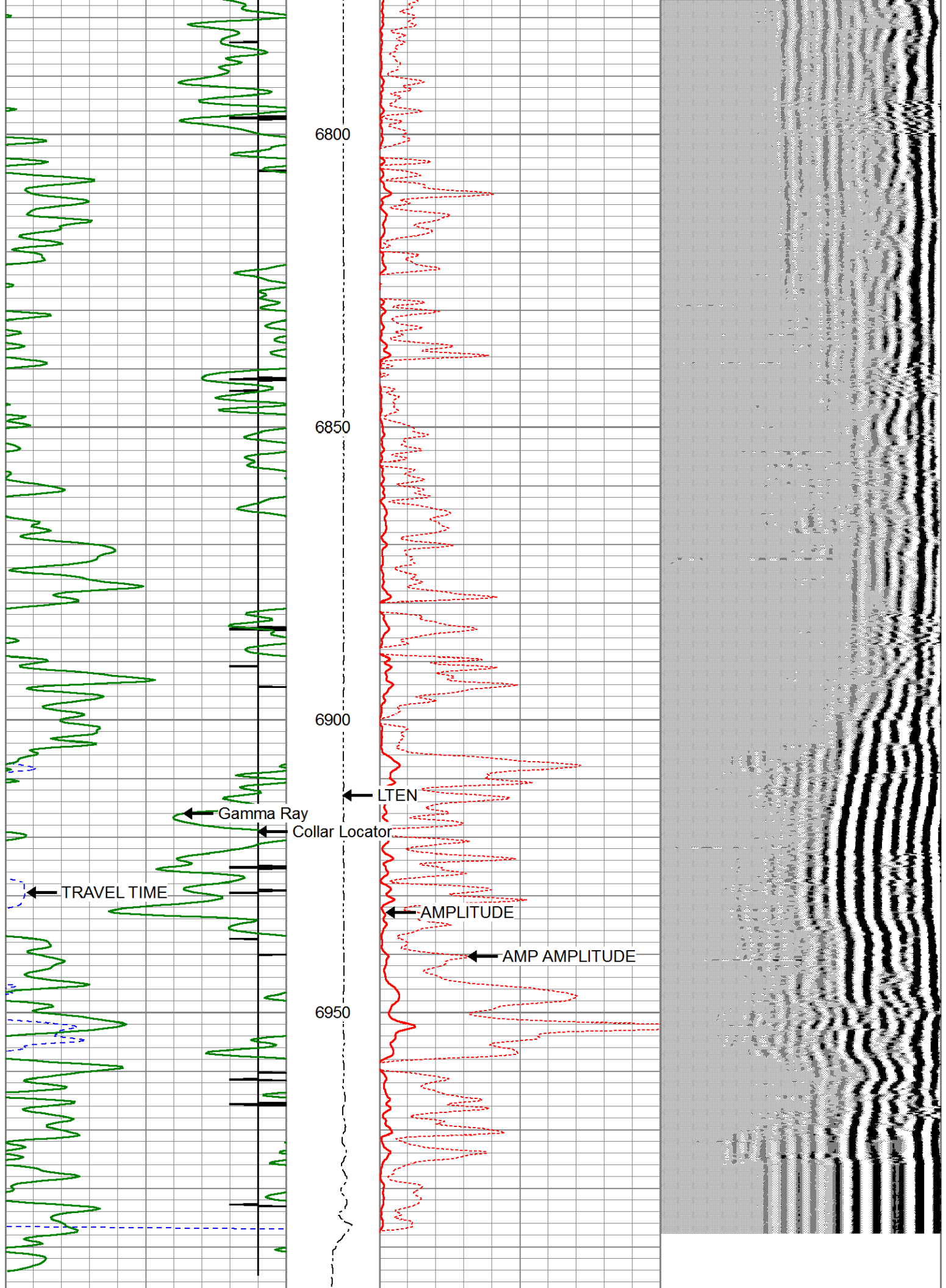
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6650

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L TEN

Gamma Ray

Collar Locator

TRAVEL TIME

AMPLITUDE

AMP AMPLITUDE

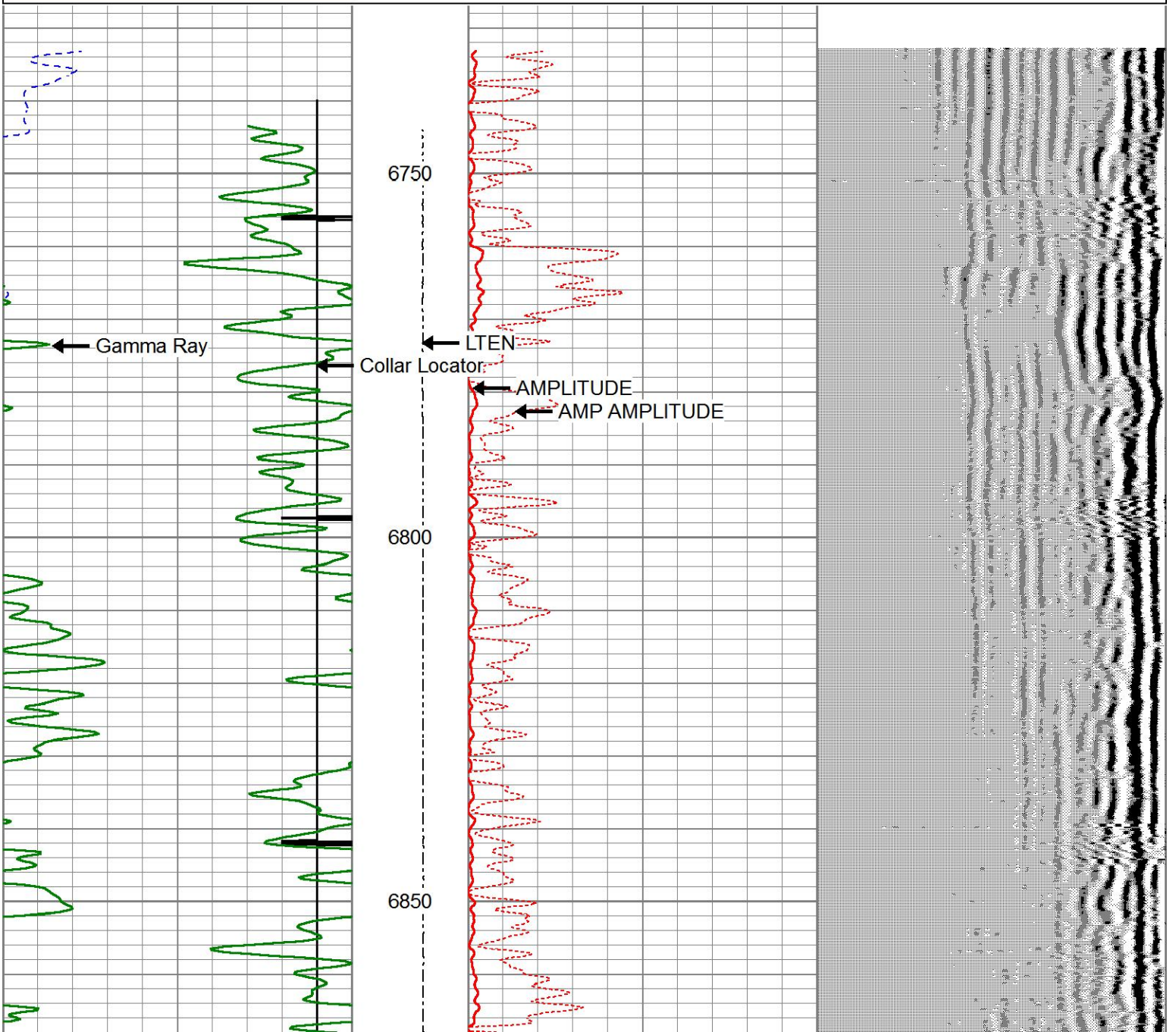
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| 400 | TRAVEL TIME (usec) | 200 | LTEN | 0 | AMP AMPLITUDE (mV) | 10 | 200 | VDL (usec) | 1200 |
| 9 | Collar Locator | -1 | 0 | (lb2000) | 0 | AMPLITUDE (mV) | 100 | | |
| 0 | Gamma Ray (GAPI) | 150 | | | | | | | |

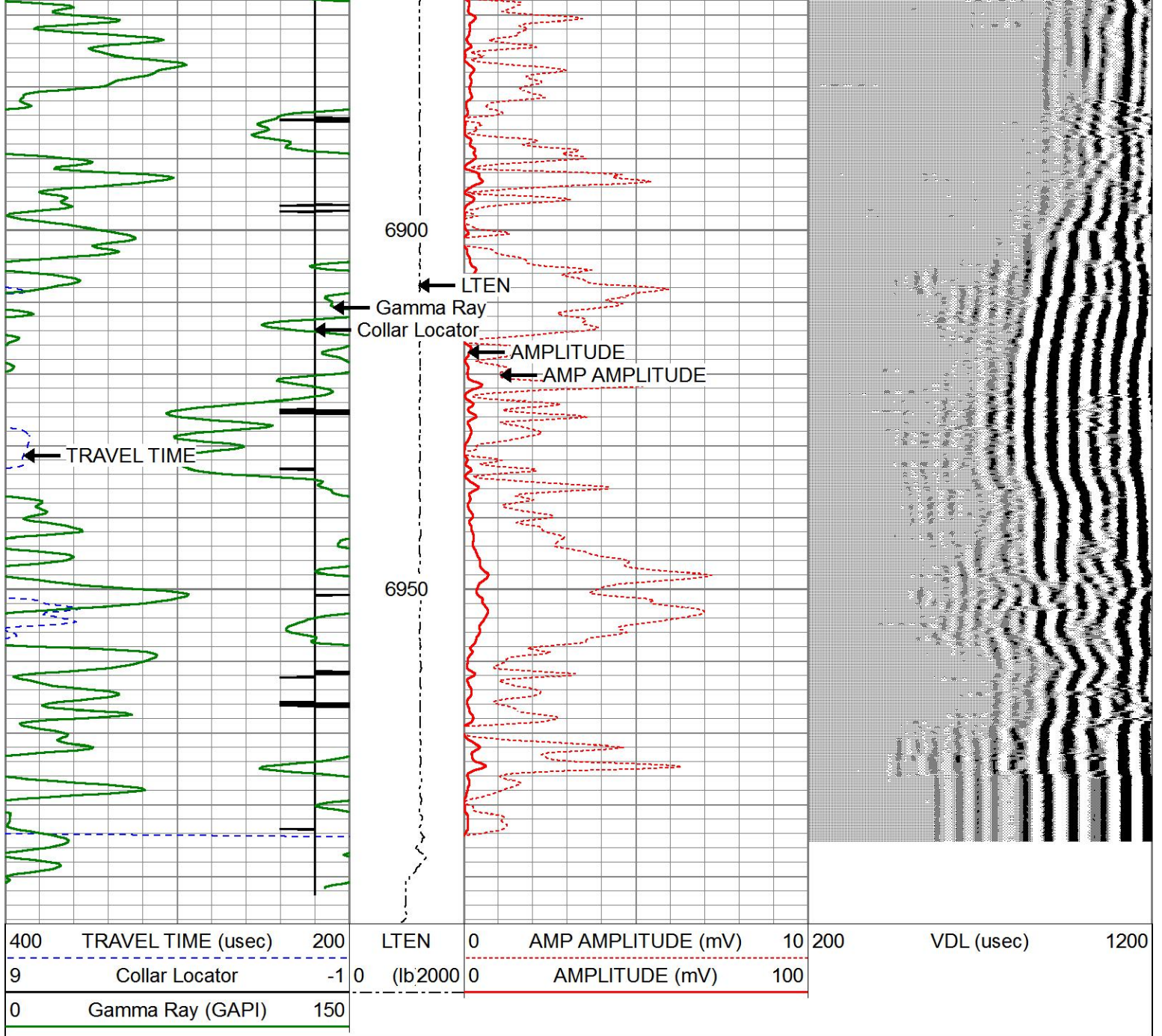


7" REPEAT PASS

Database File: xog_cbl_diamondvalley_5-5-19.db
 Dataset Pathname: pass2
 Presentation Format: cbl_drs
 Dataset Creation: Sun May 05 08:14:26 2019
 Charted by: Depth in Feet scaled 1:240

| | | | | | | | | | |
|-----|--------------------|-----|------|----------|--------------------|----------------|-----|------------|------|
| 400 | TRAVEL TIME (usec) | 200 | LTEN | 0 | AMP AMPLITUDE (mV) | 10 | 200 | VDL (usec) | 1200 |
| 9 | Collar Locator | -1 | 0 | (lb2000) | 0 | AMPLITUDE (mV) | 100 | | |
| 0 | Gamma Ray (GAPI) | 150 | | | | | | | |





| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|----------|-------------|-----------|---|-------------|-----------|-------------|
| HeadVolt | 17.37 | | CHD-Titan Titan 1 7/16" GO Cablehead | 1.00 | 1.44 | 5.00 |
| | | | CENT-Probe275 2.75" Centralizer | 2.83 | 2.75 | 36.00 |
| | | | | | | |

| | | | | | | |
|----------|-------|--|--|-------|------|-------|
| Temp | 14.52 | | | | | |
| | | | RBT-Probe 2.75 Radii W/Temp (121043) Probe 2.75" Radial with Integral Temperature Sub | 11.08 | 2.75 | 90.00 |
| WVFS8 | 12.29 | | | | | |
| WVFS7 | 12.29 | | | | | |
| WVFS6 | 12.29 | | | | | |
| WVFS5 | 12.29 | | | | | |
| WVFS4 | 12.29 | | | | | |
| WVFS3 | 12.29 | | | | | |
| WVFS2 | 12.29 | | | | | |
| WVFS1 | 12.29 | | | | | |
| WVFCAL | 12.29 | | | | | |
| WVF3FT | 12.29 | | | | | |
| WVF5FT | 11.29 | | | | | |
| HEADVOLT | 8.04 | | | | | |
| | | | CENT-Probe275 2.75" Centralizer | 2.83 | 2.75 | 36.00 |
| CCL | 3.92 | | | | | |
| GR | 2.58 | | GR-Probe275 (121037) Probe 2 3/4" Logging Gamma Ray 6 Pin | 5.21 | 2.75 | 57.00 |

Dataset: xog_cbl_diamondvalley_5-5-19.db: field/well/run1/pass3
 Total length: 22.96 ft
 Total weight: 224.00 lb
 O.D.: 2.75 in