



CEMENT BOND LOG

Mesa Wireline

| | | | |
|---------------------------------------|----------------------------|-------------------------------------|--|
| Company | ENCANA OIL & GAS (USA) INC | | |
| Well | ELMQUIST 4-2-23 | | |
| Field | WATTENBERG | | |
| County | WELD | | |
| State | COLORADO | | |
| Company ENCANA OIL & GAS (USA) INC | | Location: API # : 05-123-32009-0000 | |
| Well ELMQUIST 4-2-23 | | Other Services | |
| Field WATTENBERG | | NONE | |
| County WELD | | State COLORADO | |
| SEC: 23 TWP: 2N RGE: 68W | | Elevation | |
| Permanent Datum GROUND LEVEL | | K.B. 4930' | |
| Log Measured From KELLY BUSHING = 13' | | D.F. 4931' | |
| Drilling Measured From KELLY BUSHING | | G.L. 4917' | |

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|-----------------|-------|-------|--------|--------|------|----|--|--|---------------|---------------|--|--|--|--|--|--|--|--|--|
| Date | 05 JANUARY 2012 | | | | | | | | | | 20 MARCH 2012 | | | | | | | | | |
| Run Number | ONE | | | | | | | | | | TWO | | | | | | | | | |
| Depth Driller | 8188' | | | | | | | | | | 8188' | | | | | | | | | |
| Depth Logger | 8142' | | | | | | | | | | 5500' | | | | | | | | | |
| Bottom Logged Interval | 8142' | | | | | | | | | | 5500' | | | | | | | | | |
| Top Log Interval | 4460' | | | | | | | | | | 400' | | | | | | | | | |
| Open Hole Size | 7.875" | | | | | | | | | | 7.875" | | | | | | | | | |
| Type Fluid | WATER | | | | | | | | | | WATER | | | | | | | | | |
| Density / Viscosity | ~8.3# | | | | | | | | | | ~8.3# | | | | | | | | | |
| Max. Recorded Temp. | 249 DEG F | | | | | | | | | | N/A | | | | | | | | | |
| Estimated Cement Top | 4680' | | | | | | | | | | 3990' | | | | | | | | | |
| Time Well Ready | N/A | | | | | | | | | | N/A | | | | | | | | | |
| Time Logger on Bottom | N/A | | | | | | | | | | N/A | | | | | | | | | |
| Equipment Number | 10901 PRD 01 | | | | | | | | | | 10501 PDR 01 | | | | | | | | | |
| Location | AULT. CO | | | | | | | | | | AULT. CO | | | | | | | | | |
| Recorded By | V.FULLER | | | | | | | | | | Z. EMICK | | | | | | | | | |
| Witnessed By | G.CUMMINGS | | | | | | | | | | T. FLYNN | | | | | | | | | |
| Borehole Record | | | | | | | | | | Tubing Record | | | | | | | | | | |
| Run Number | Bit | From | To | Size | Weight | From | To | | | | | | | | | | | | | |
| ONE | 12.25" | 0' | 840' | | | | | | | | | | | | | | | | | |
| TWO | 7.875" | 840' | 8188' | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Casing Record | Size | Wd/Ft | Top | Bottom | | | | | | | | | | | | | | | | |
| Surface String | 8.625" | 24# | 0' | 828' | | | | | | | | | | | | | | | | |
| Prot. String | | | | | | | | | | | | | | | | | | | | |
| Production String | 4.5" | 11.6# | 0' | 8177' | | | | | | | | | | | | | | | | |
| 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

LOG NOT CORRELATED TO ANY OTHER LOG
SHORT JOINT 7254' - 7277'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-0458



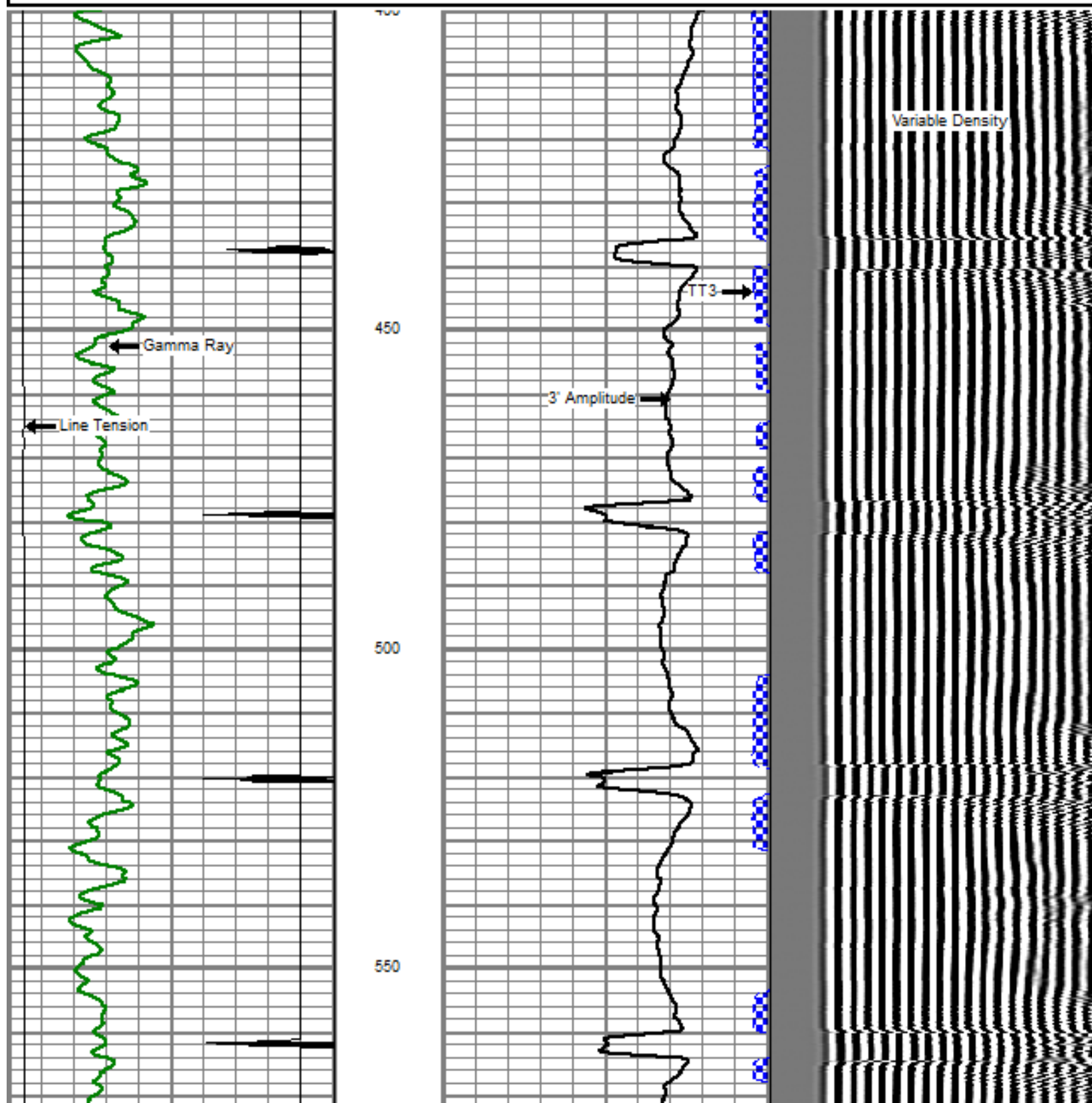
SQUEEZE PASS

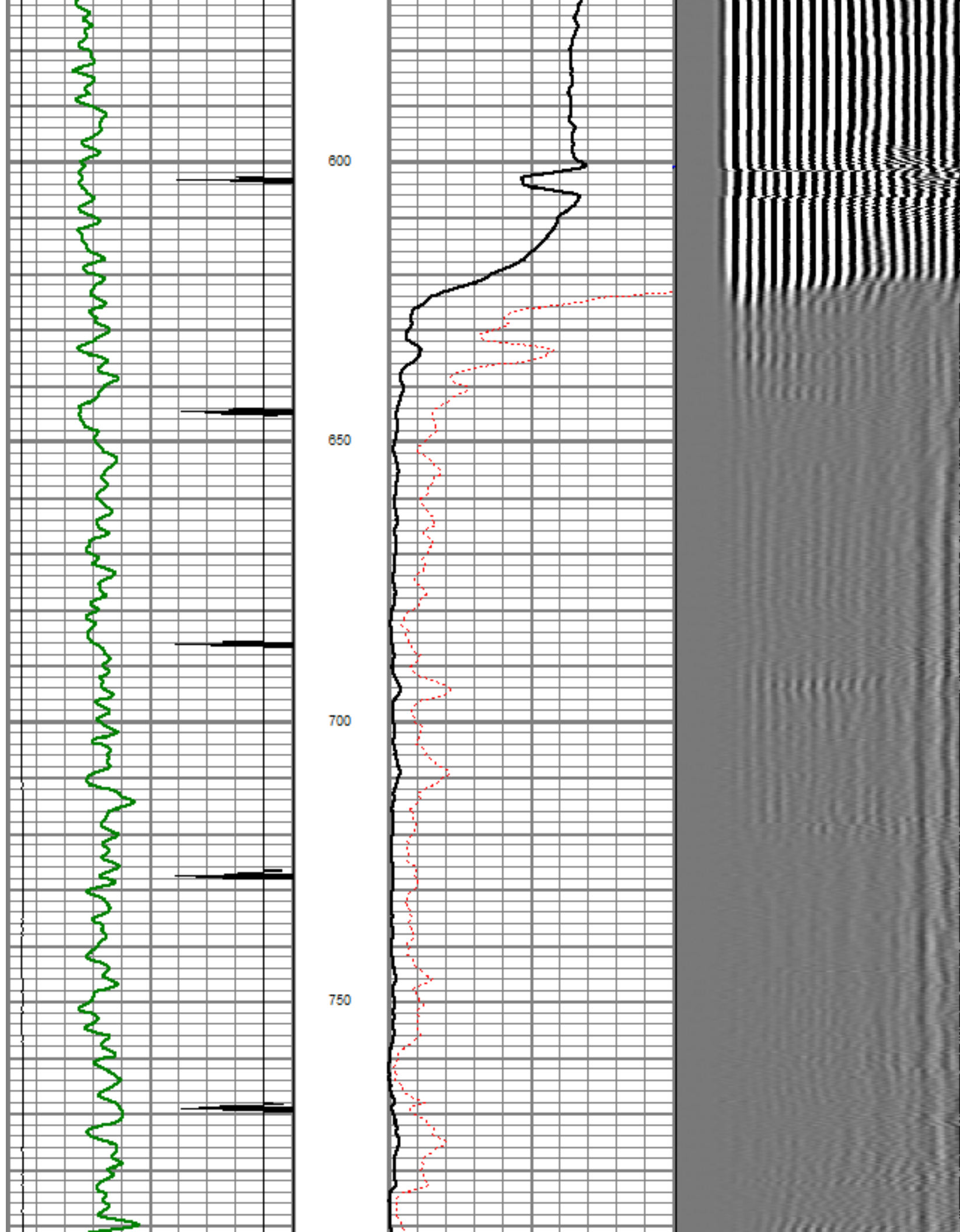
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Dataset Pathname: pass18.1
Presentation Format: dobl_prb
Dataset Creation: Tue Mar 20 10:21:09 2012 by Calo SCH 110722
Charted by: Depth in Feet scaled 1:240

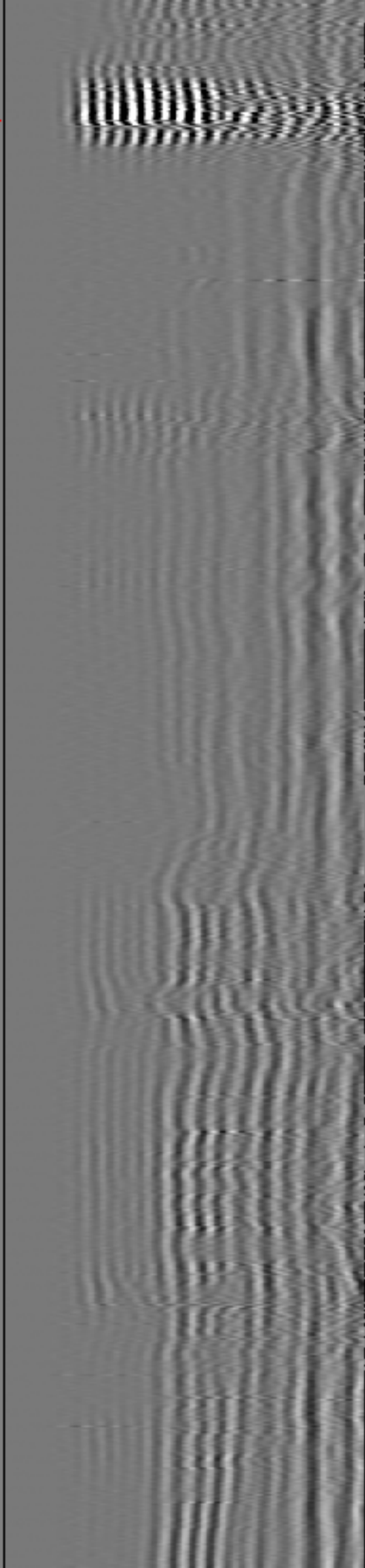
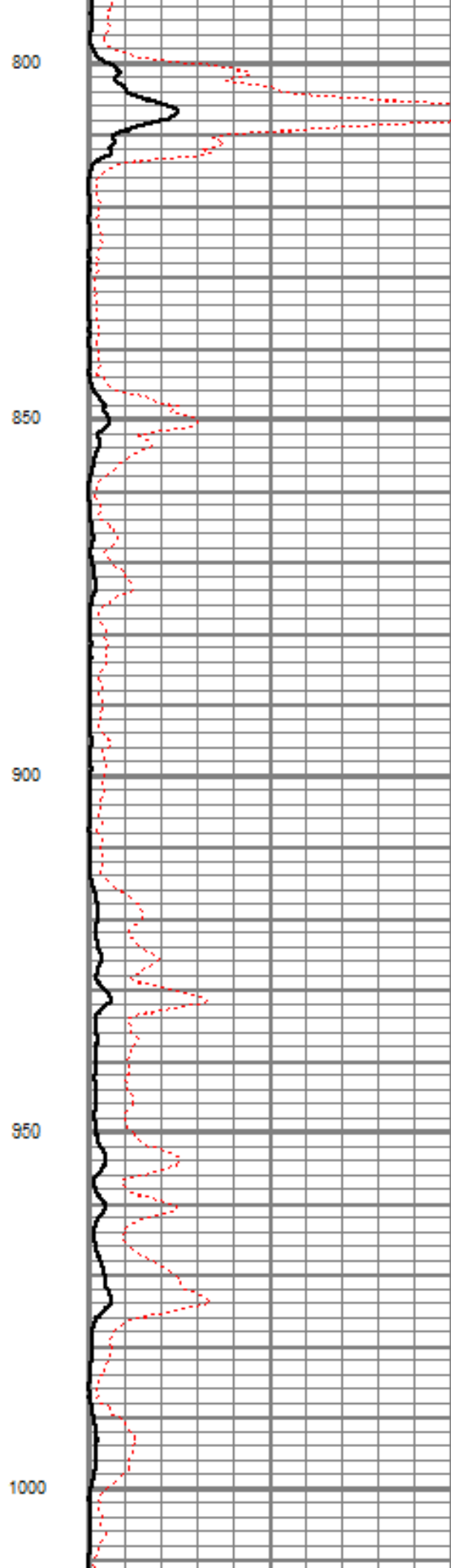
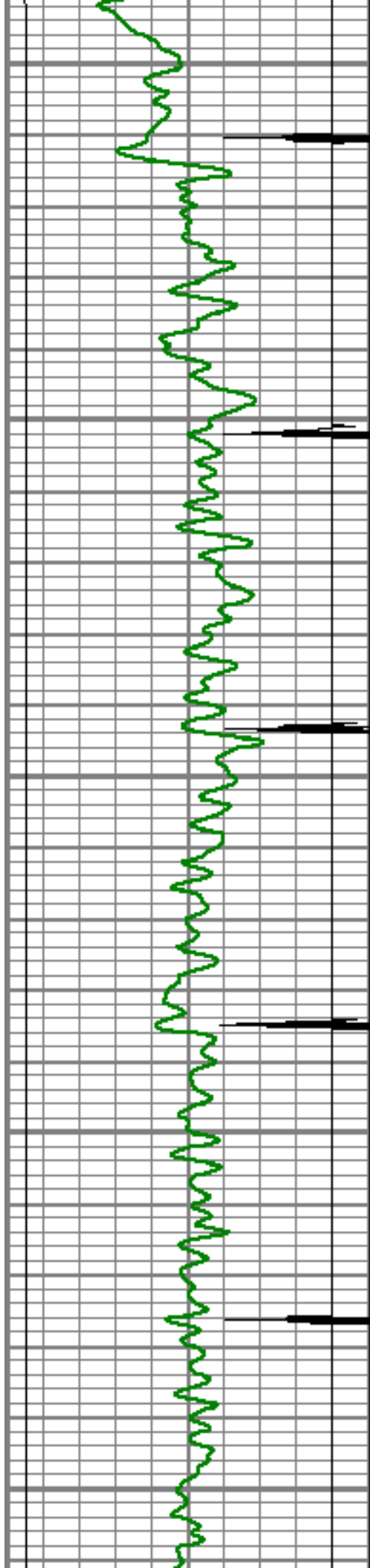
| | | |
|---|------------------|------|
| 0 | Gamma Ray (GAPI) | 200 |
| 0 | LTEN (lb) | 5000 |
| 9 | CCL | -1 |

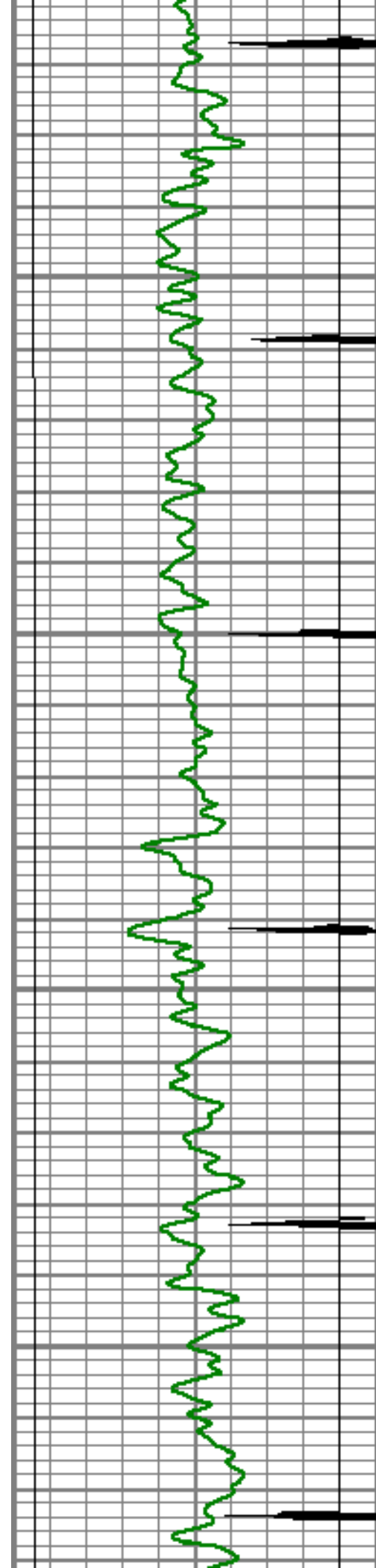
| | | |
|---|--------------------------|-----|
| 0 | Amplified Amplitude (mV) | 20 |
| 0 | Amplitude (mV) | 100 |
| 0 | TT3 (usec) | 280 |

200 Variable Density 1200







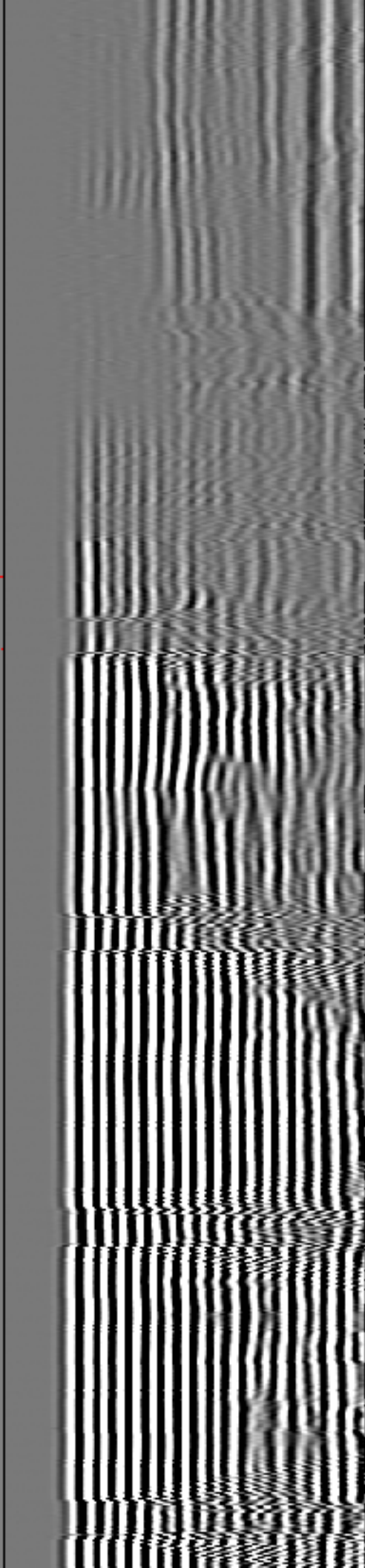
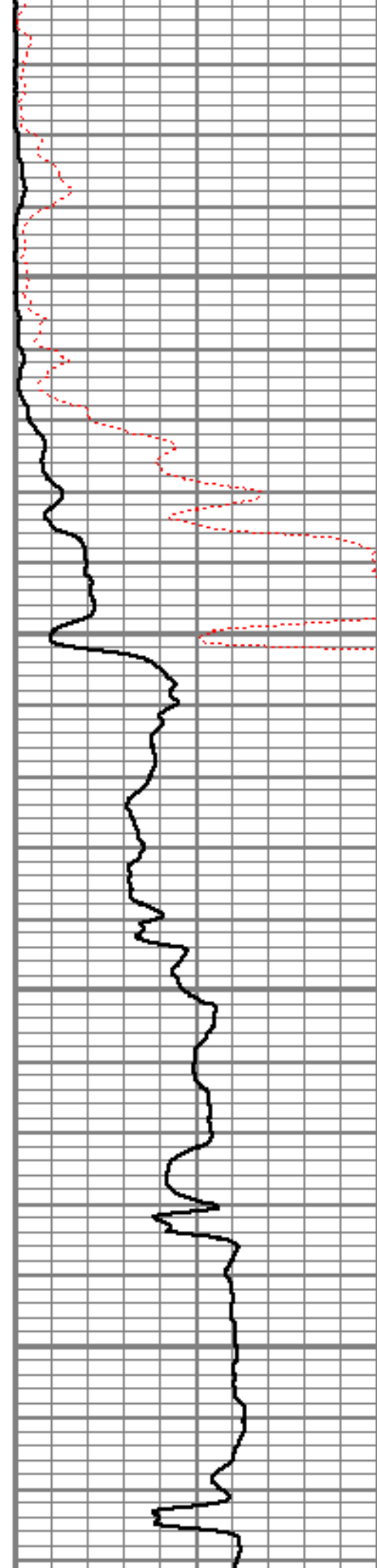


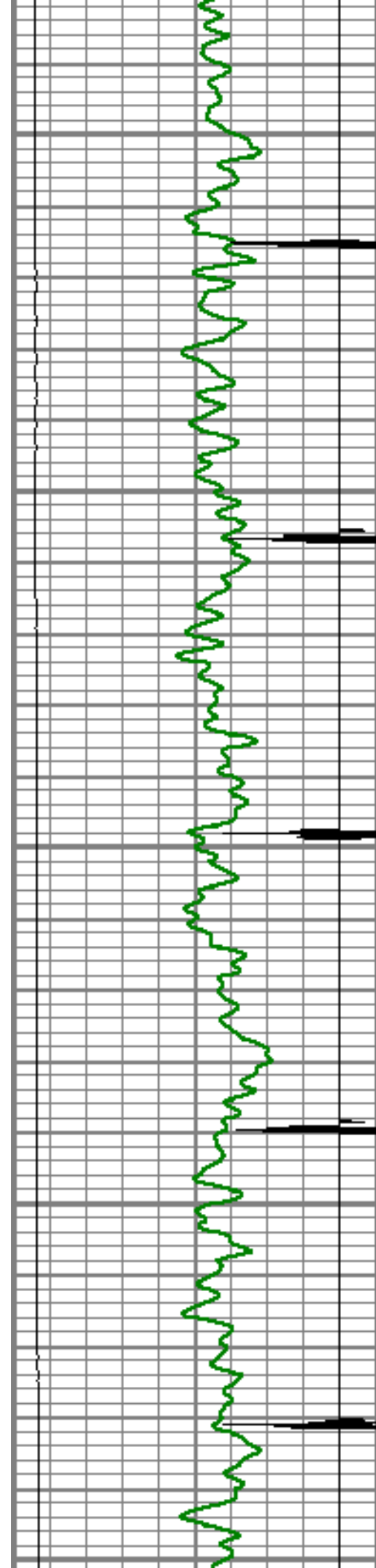
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1100

1150

1200





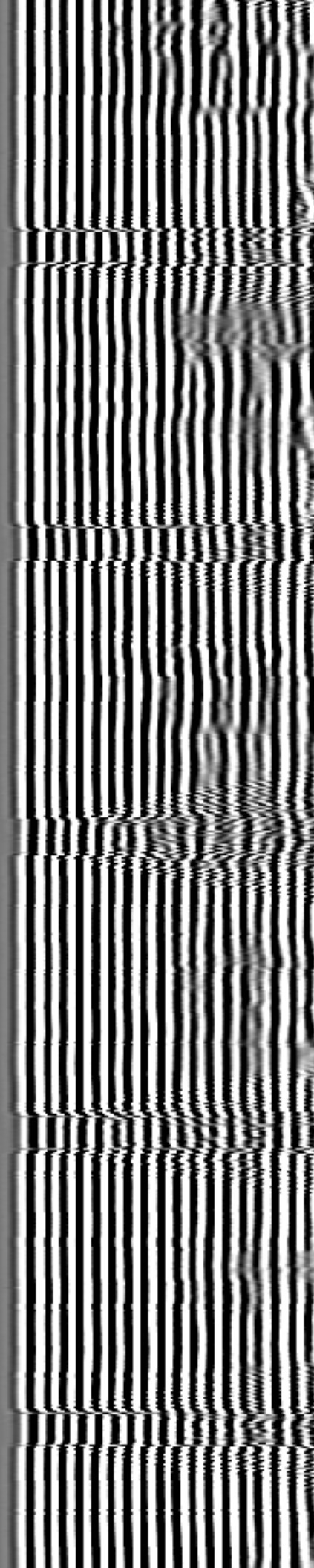
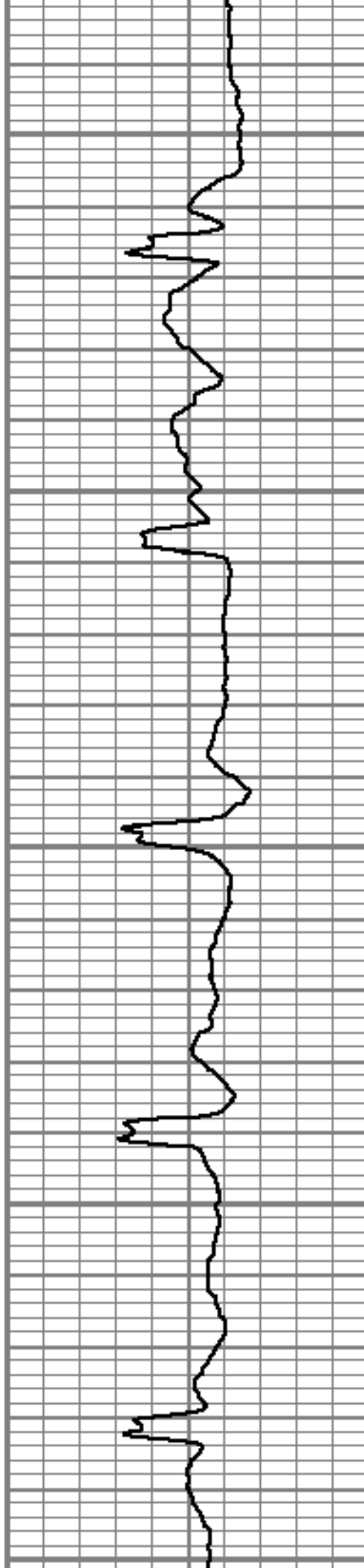
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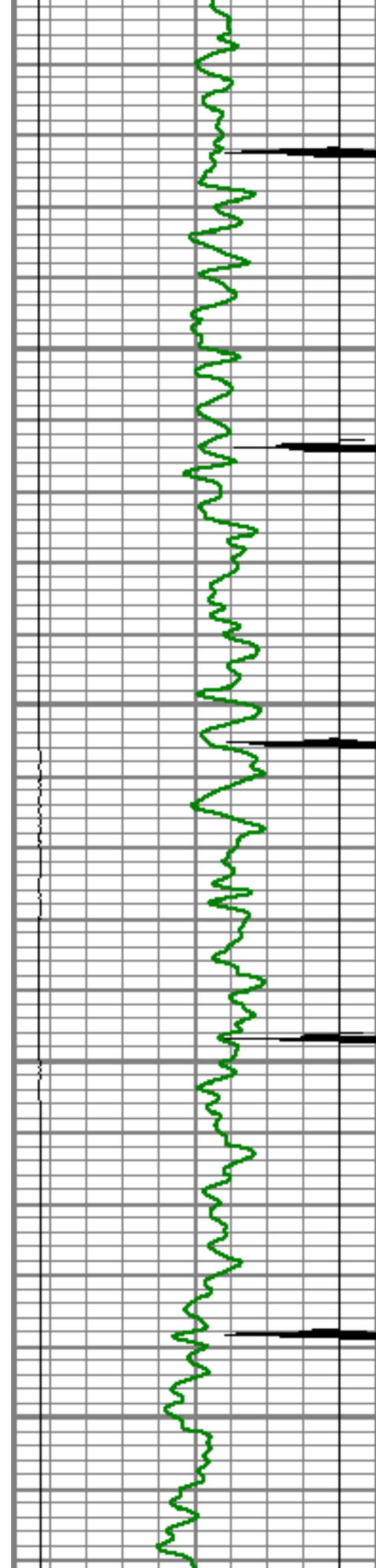
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1350

1400

1450



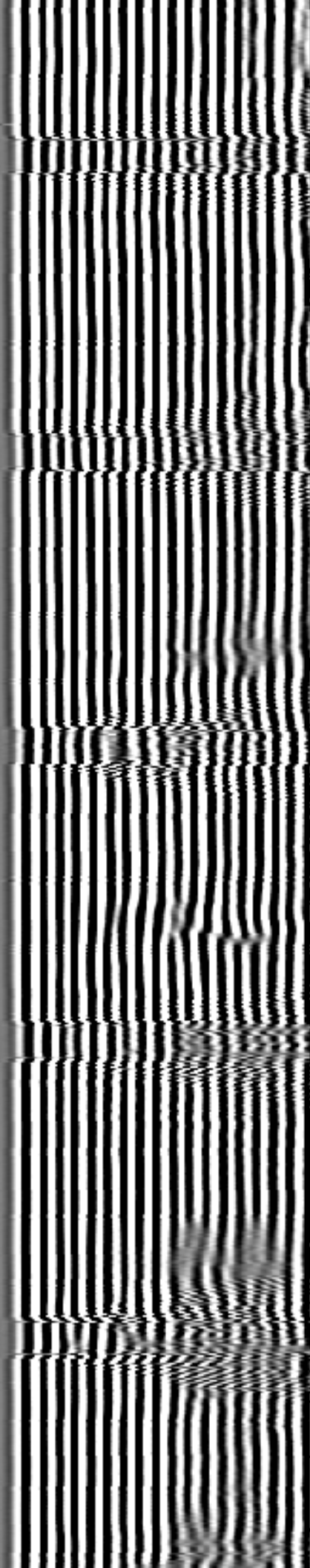
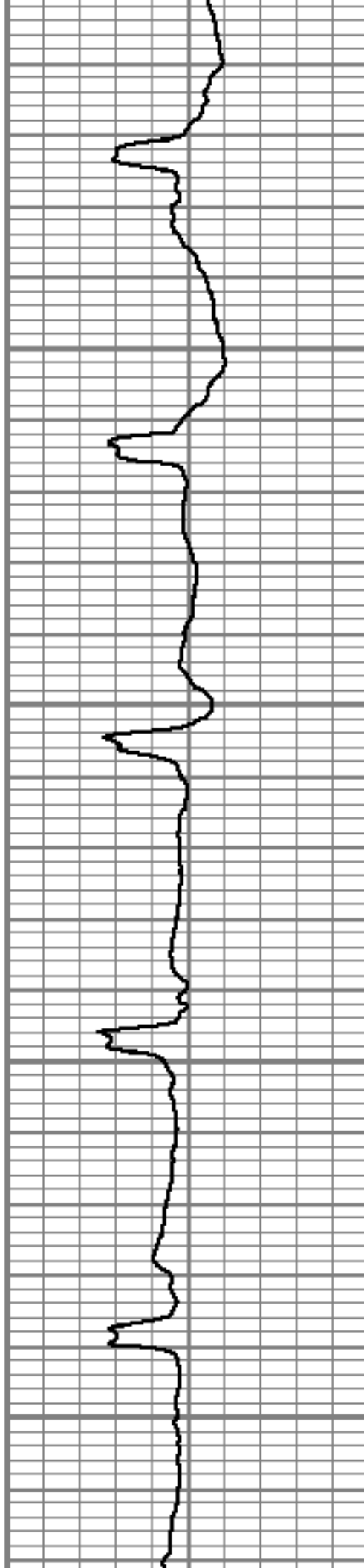


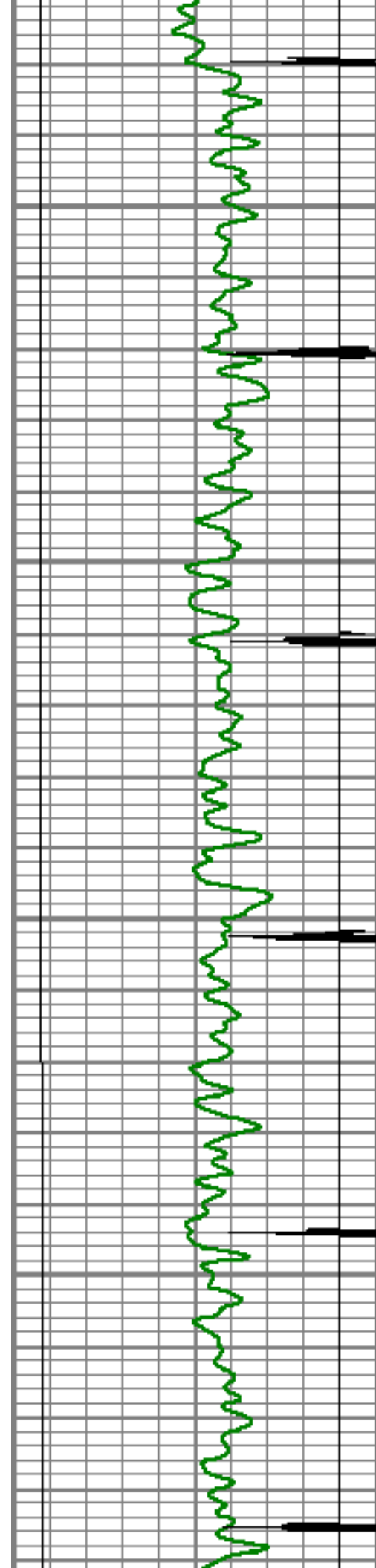
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1550

1600

1650



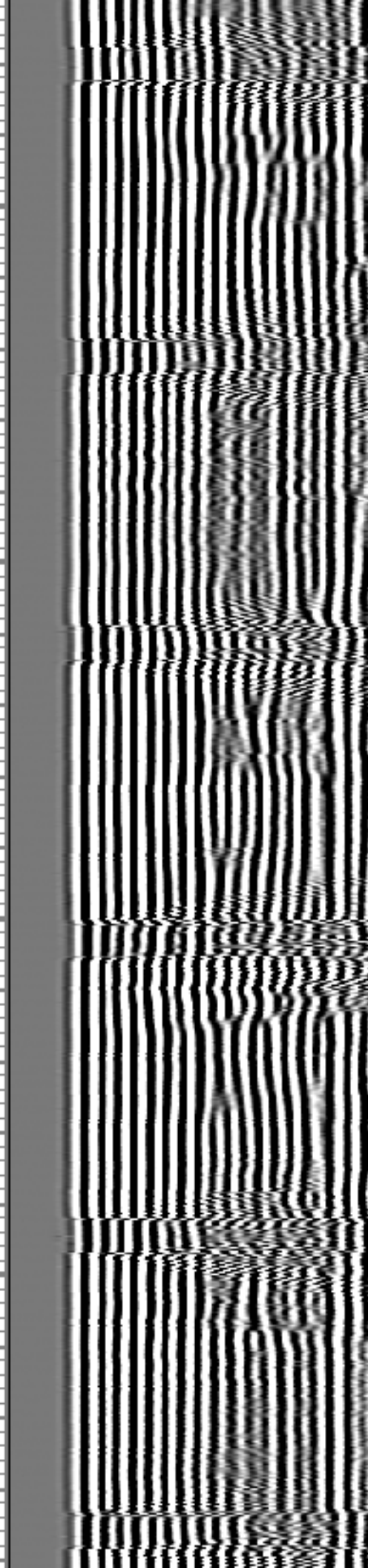
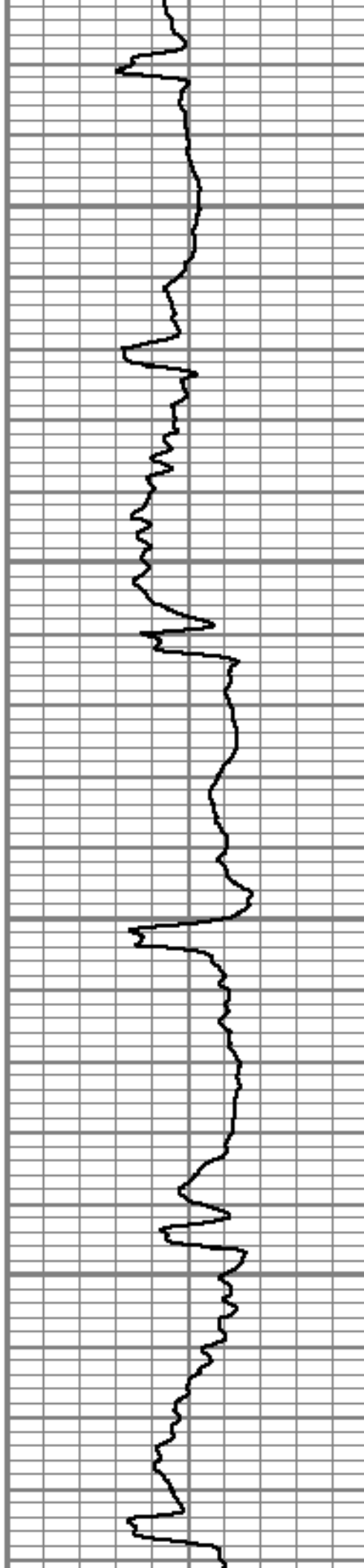


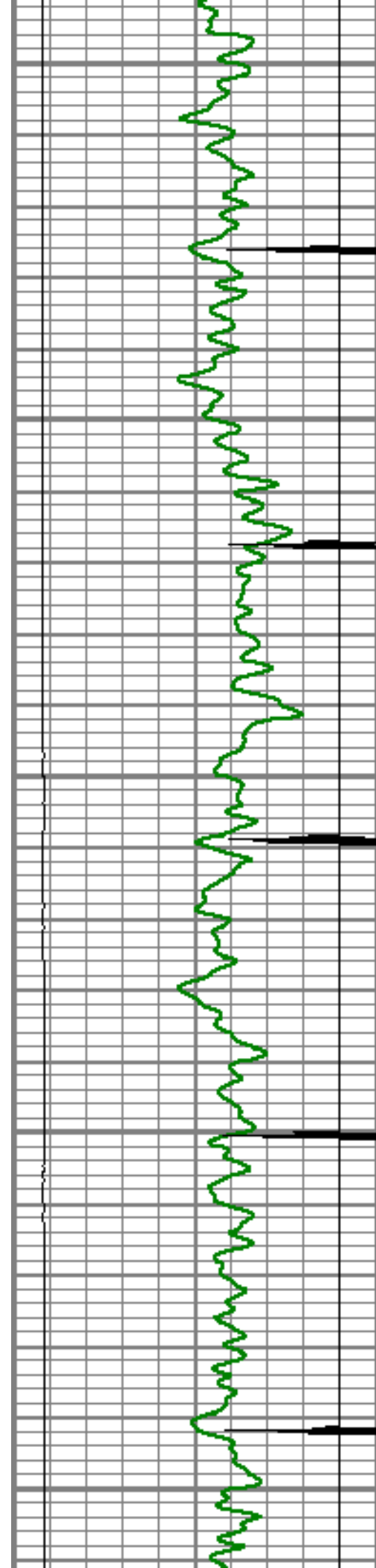
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1750

1800

1850





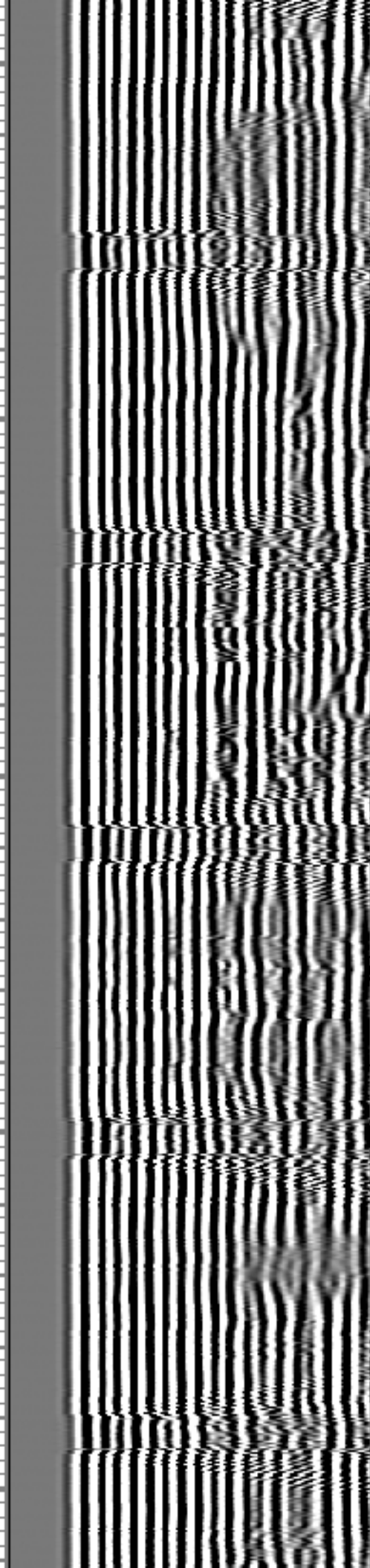
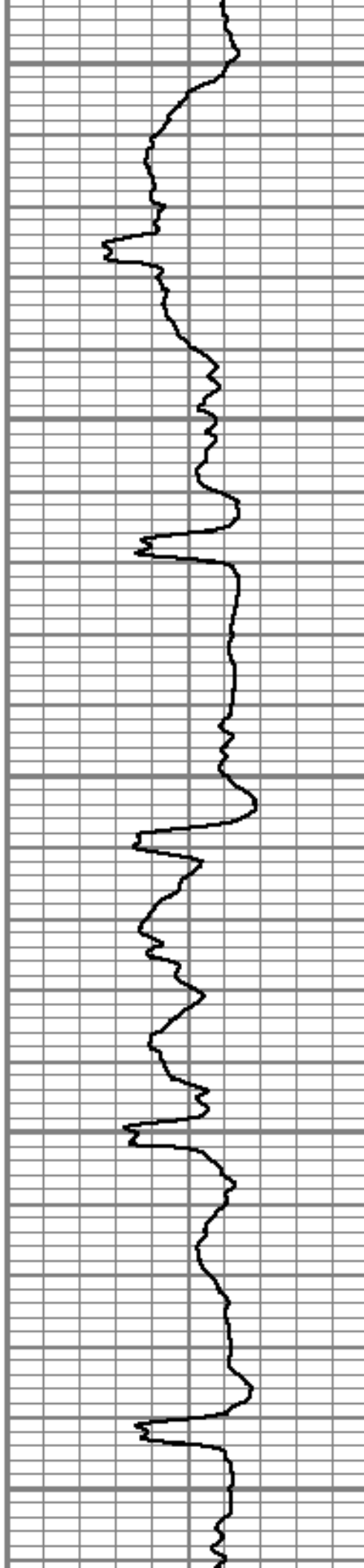
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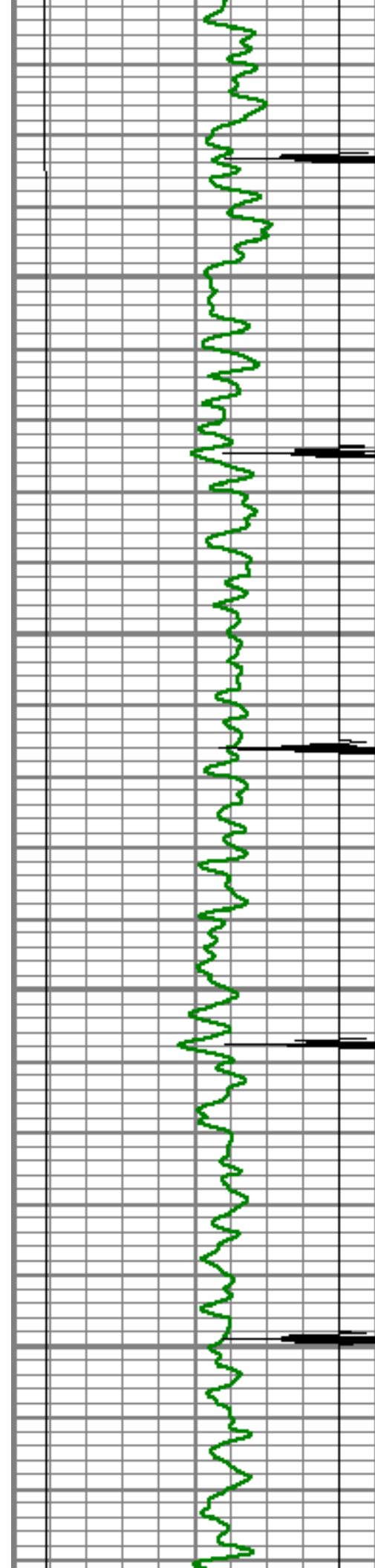
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2000

2050

2100



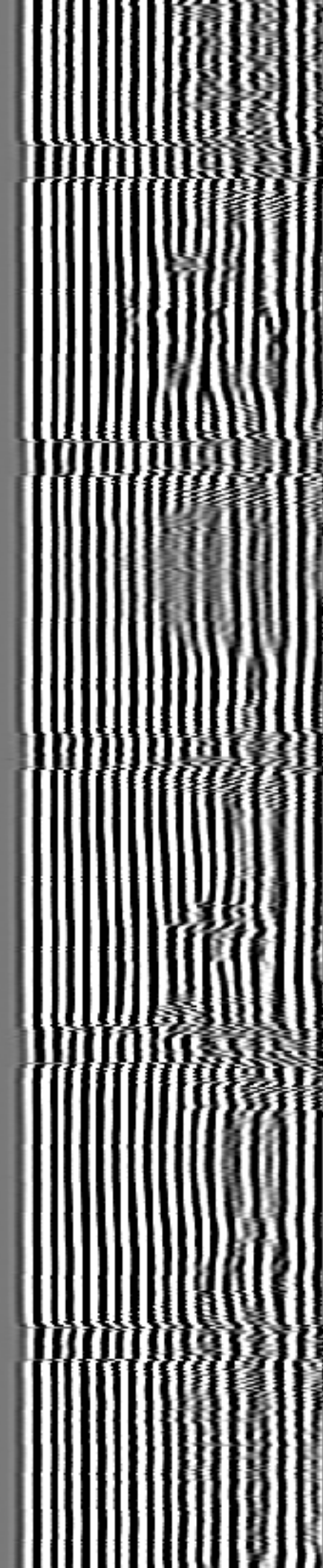
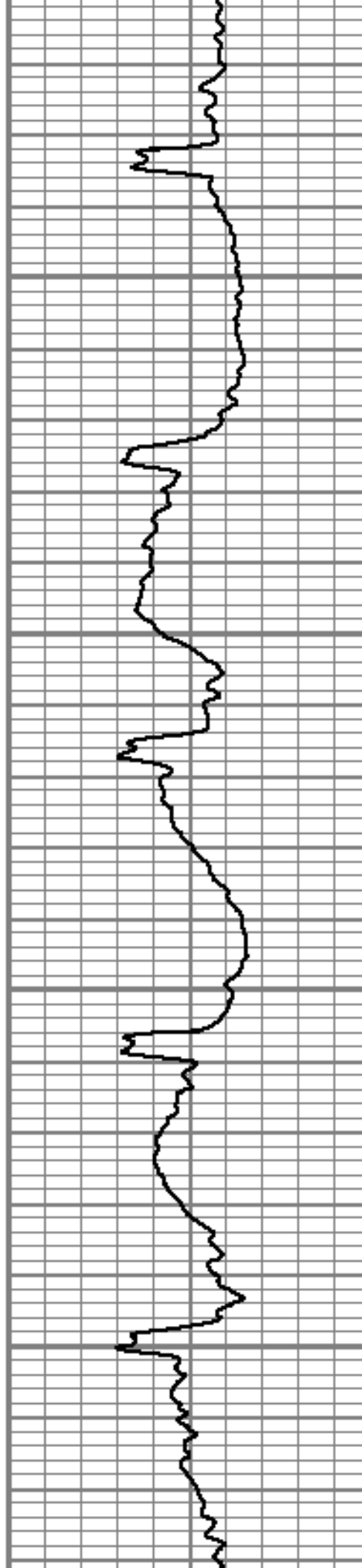


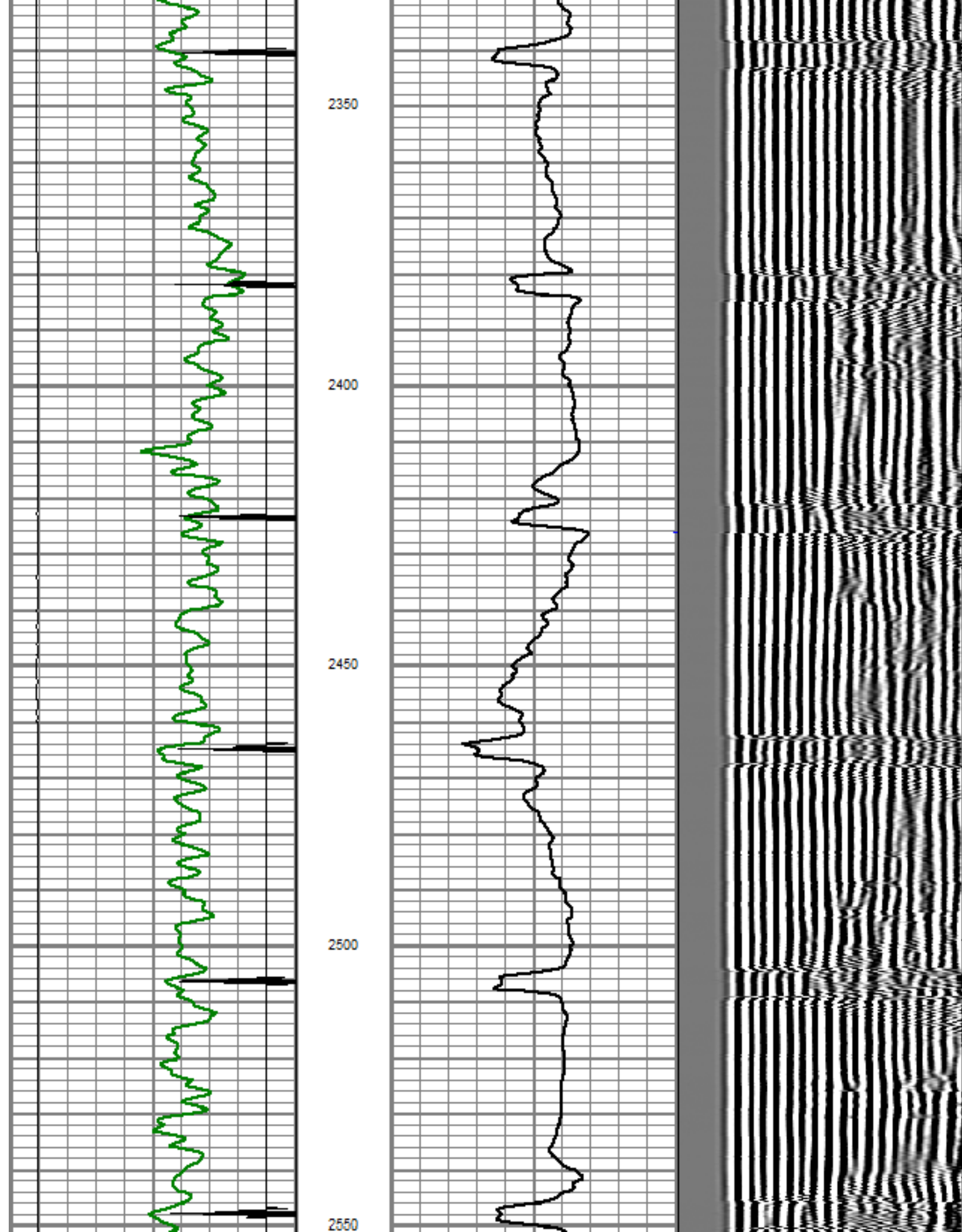
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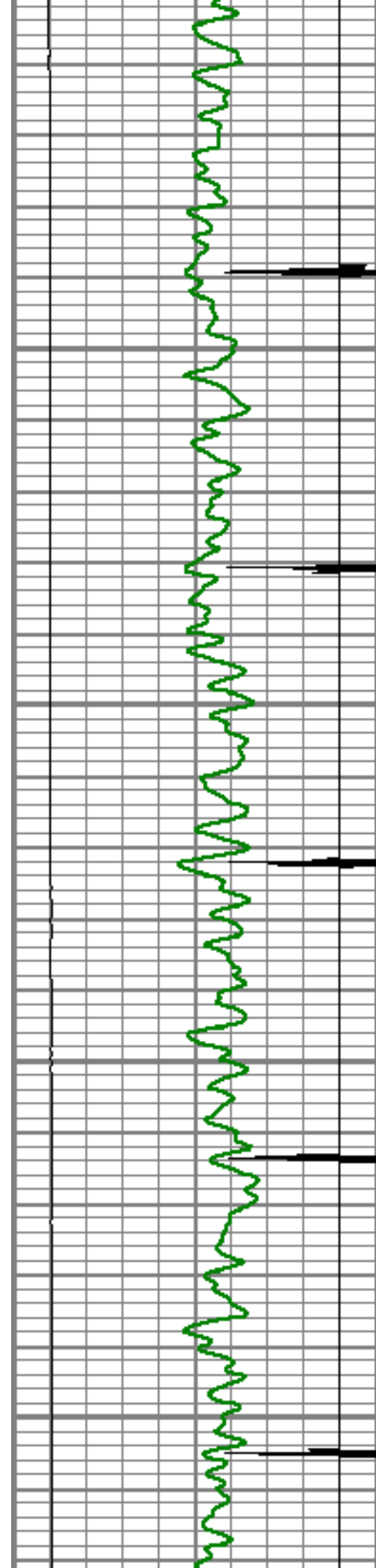
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2300





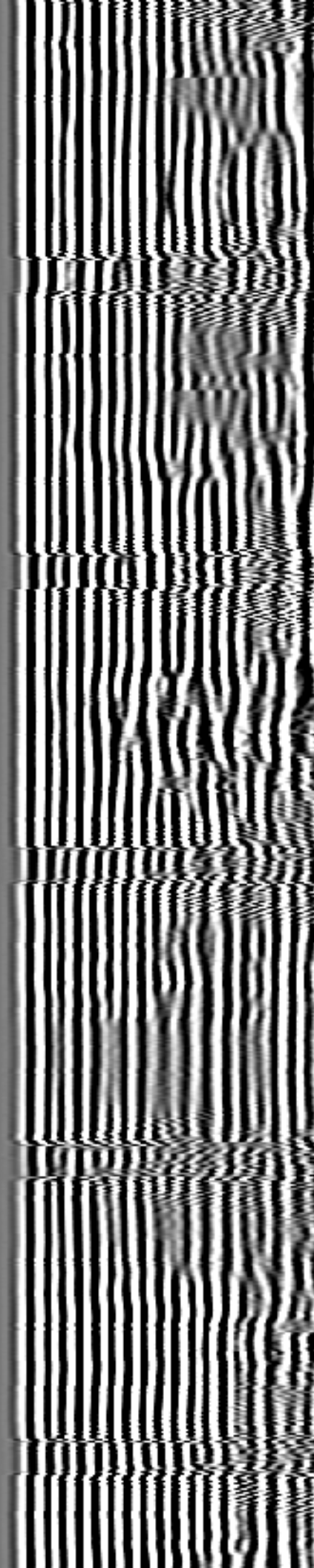
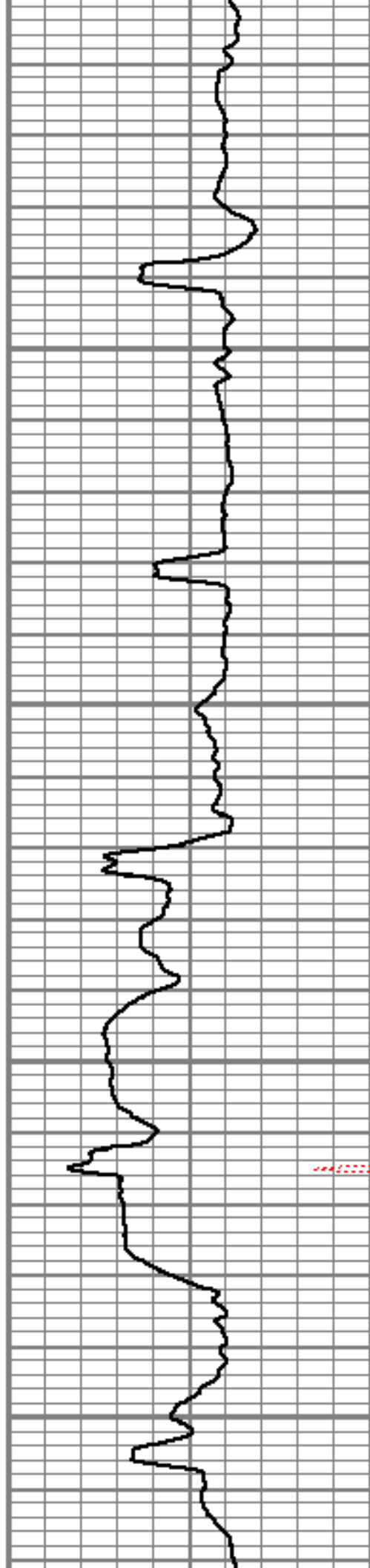


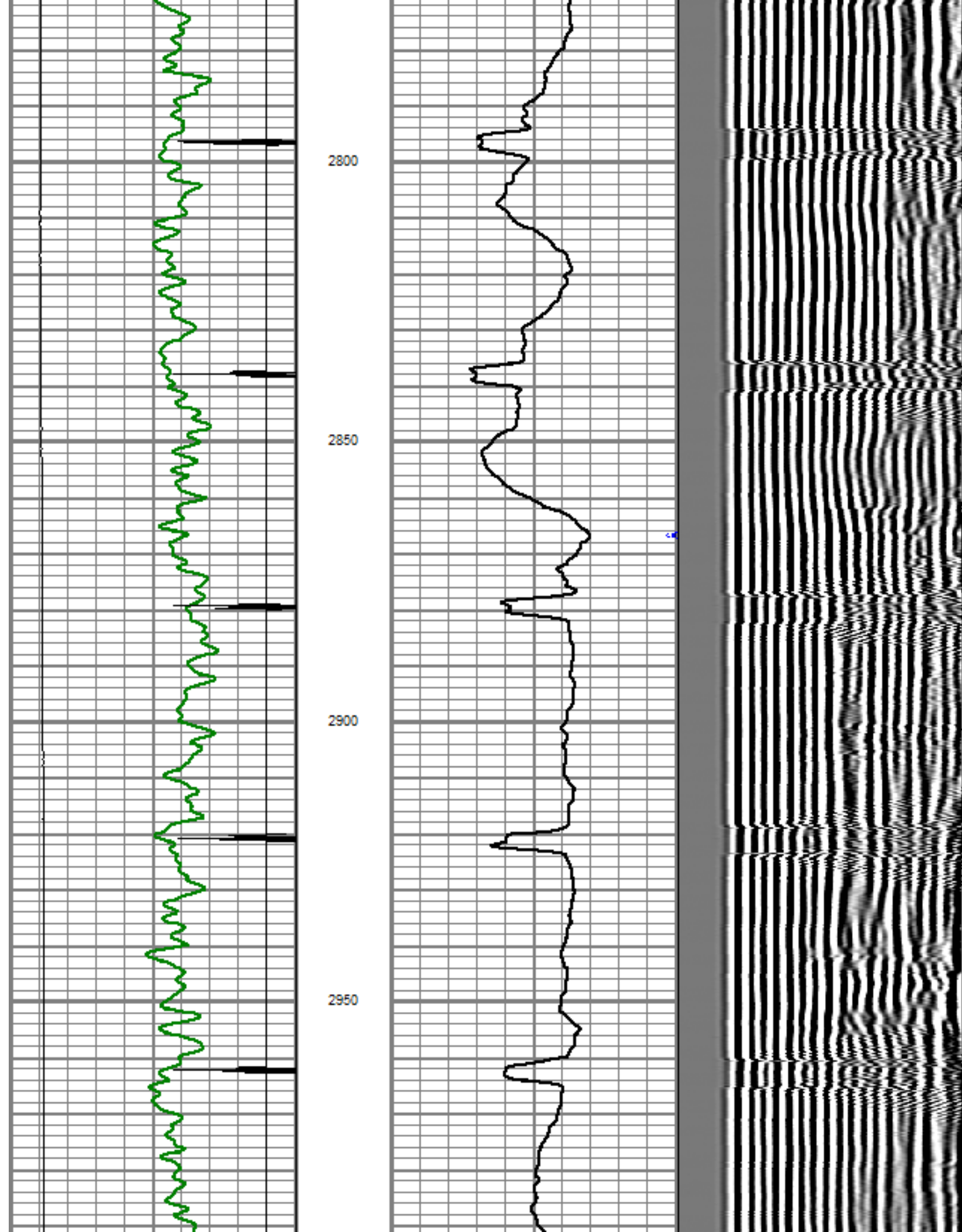
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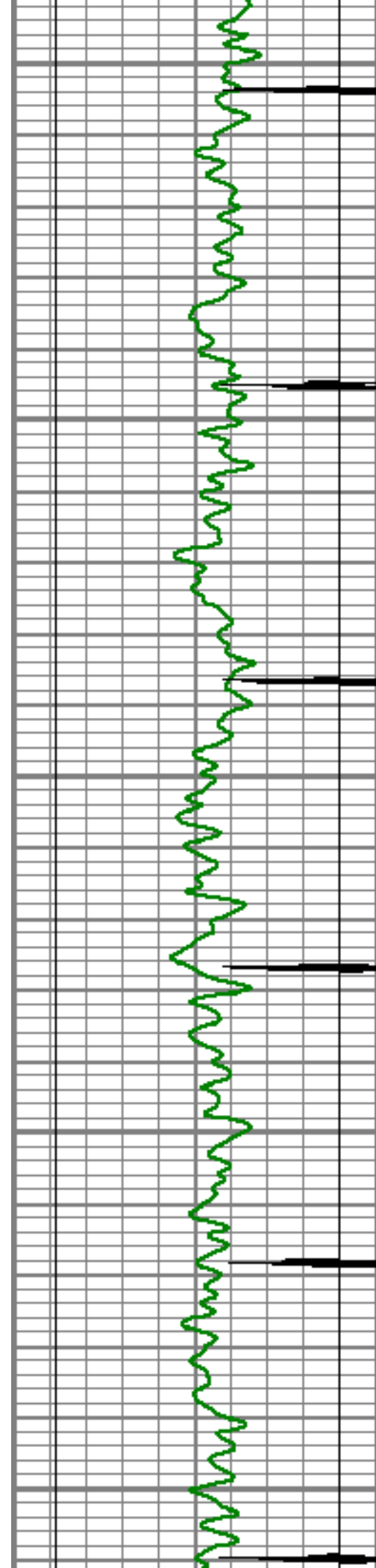
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2700

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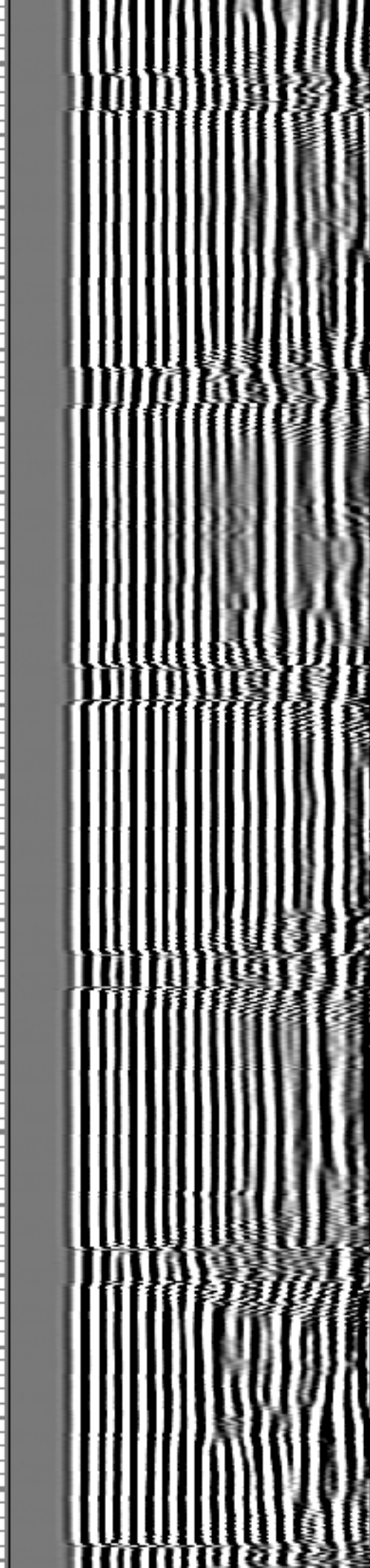
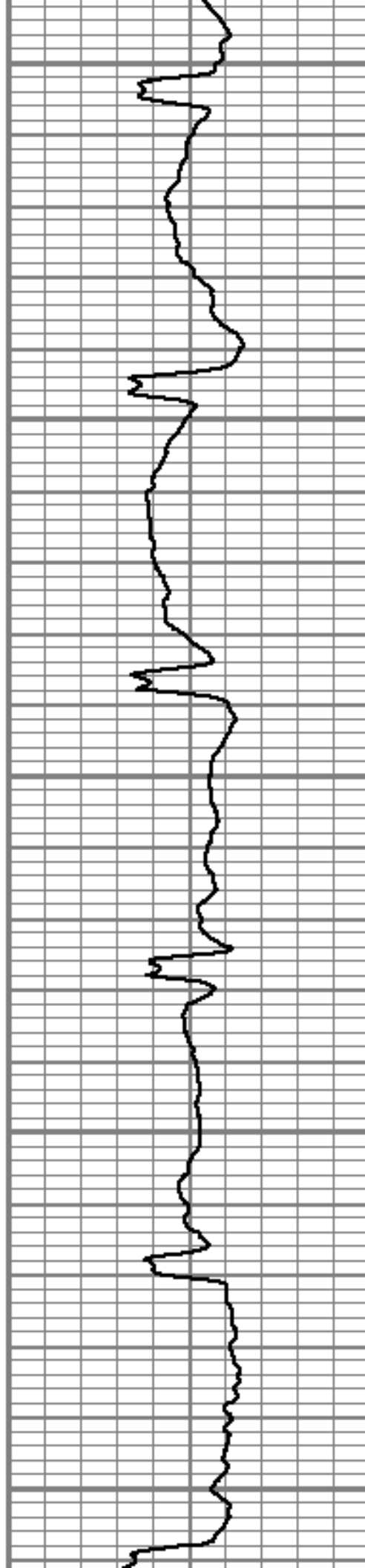
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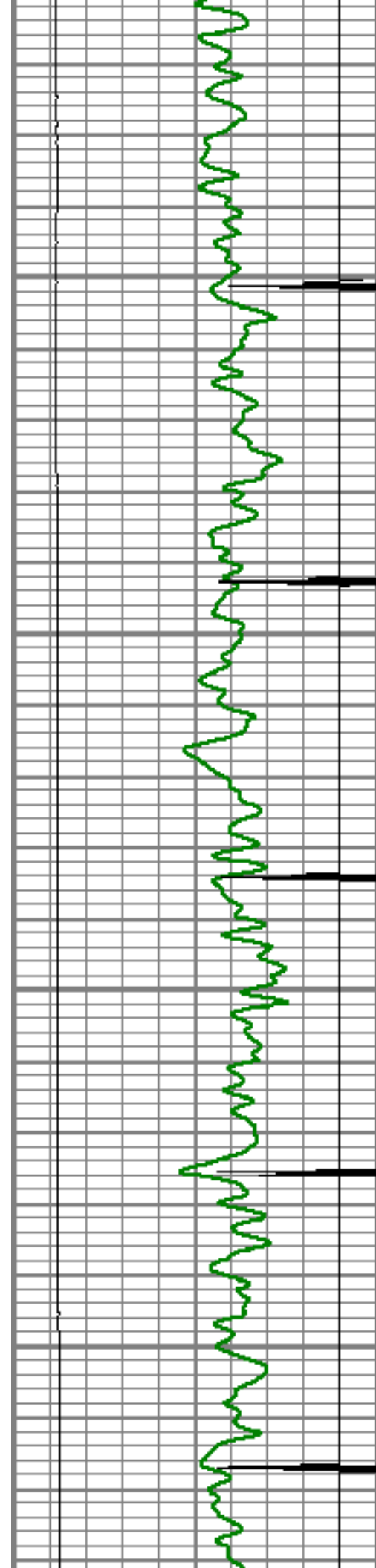
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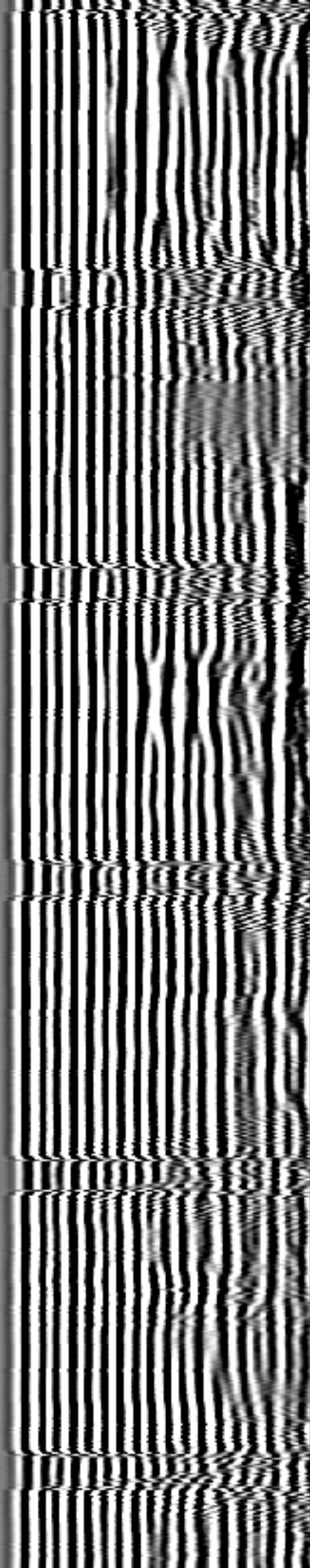
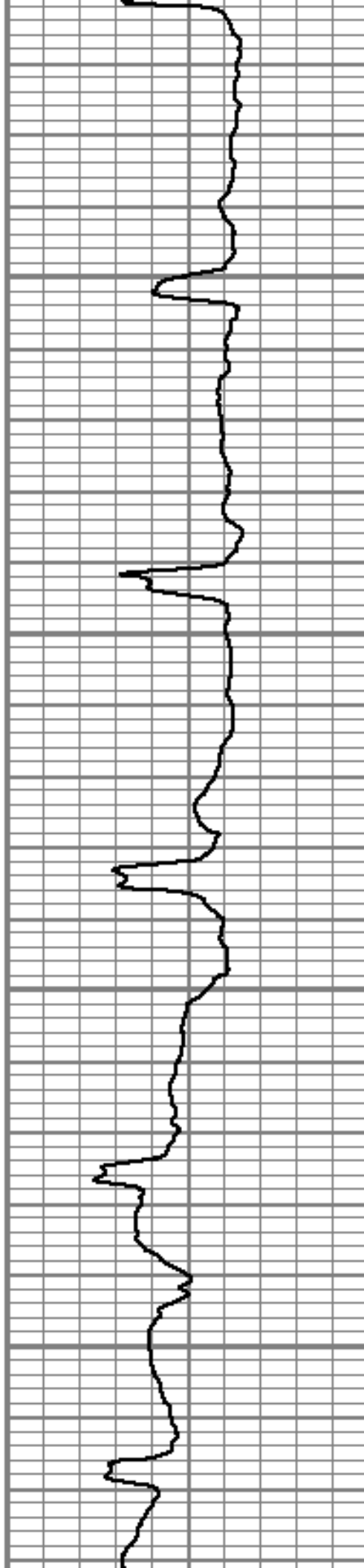


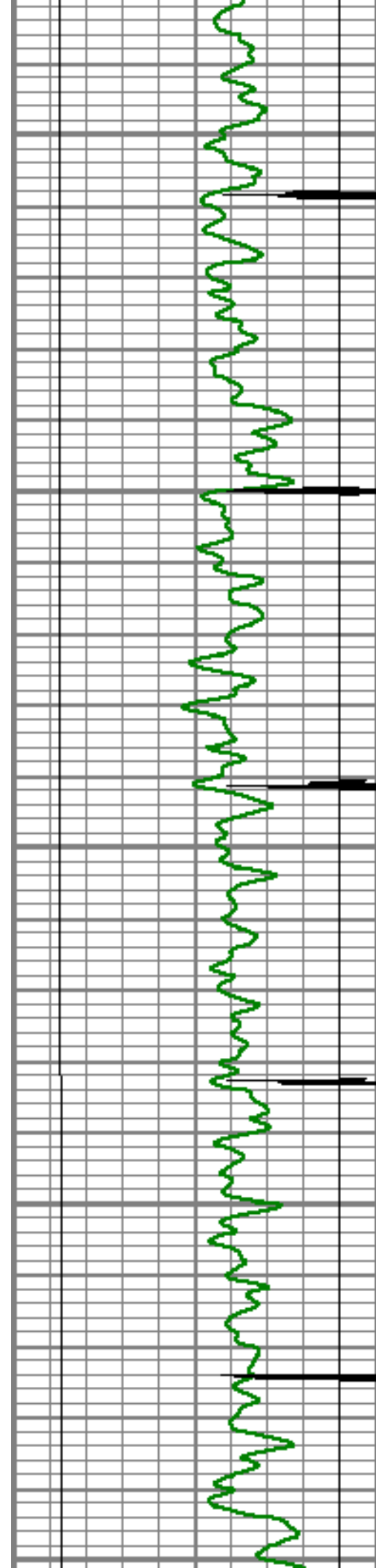
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3300

3350

3400





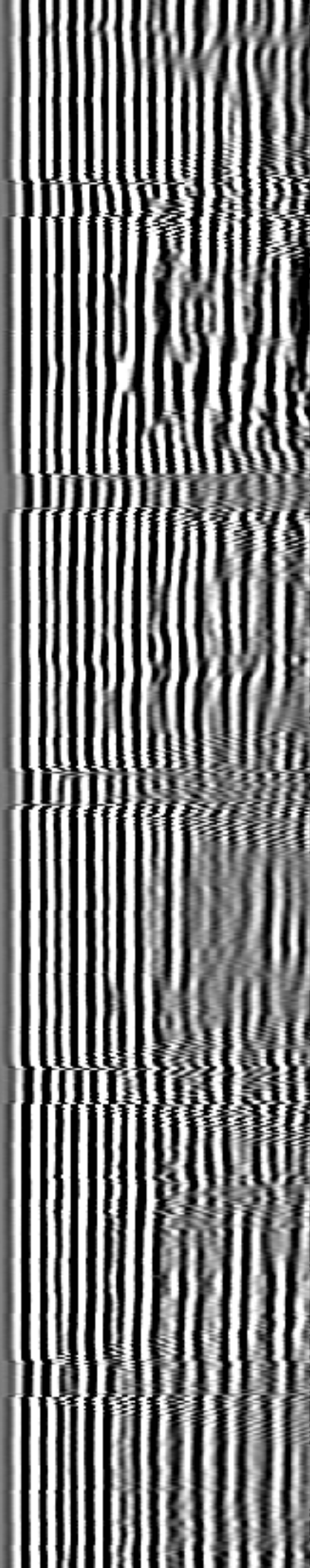
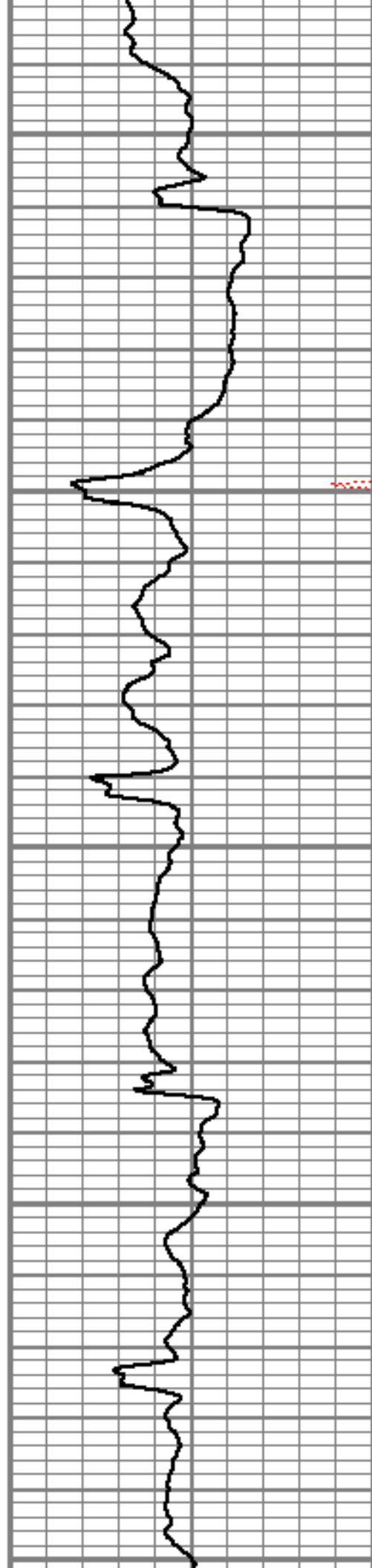
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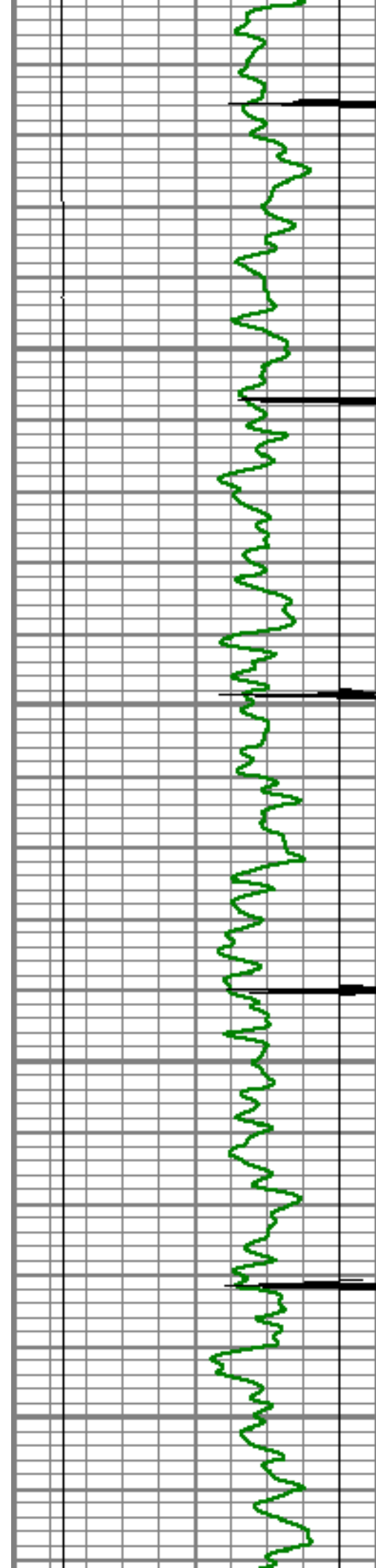
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3550

3600

3650



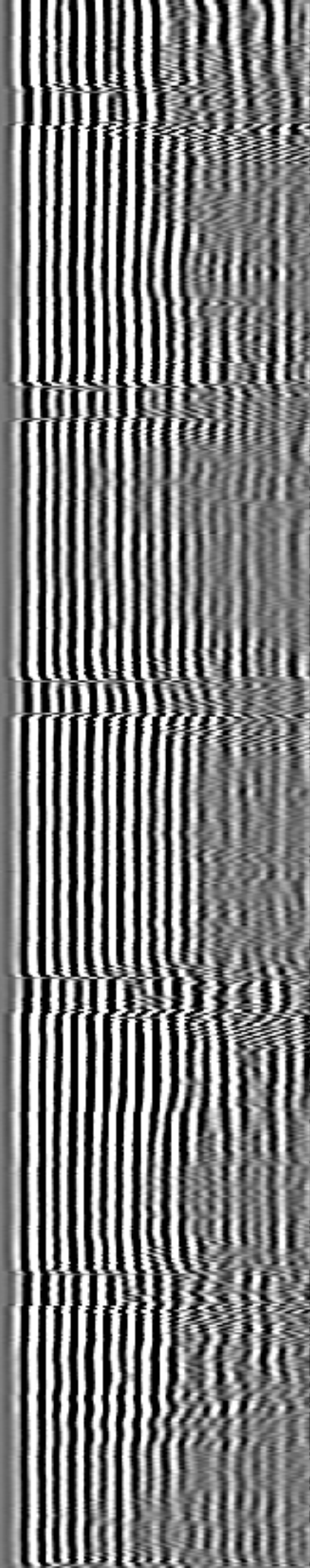
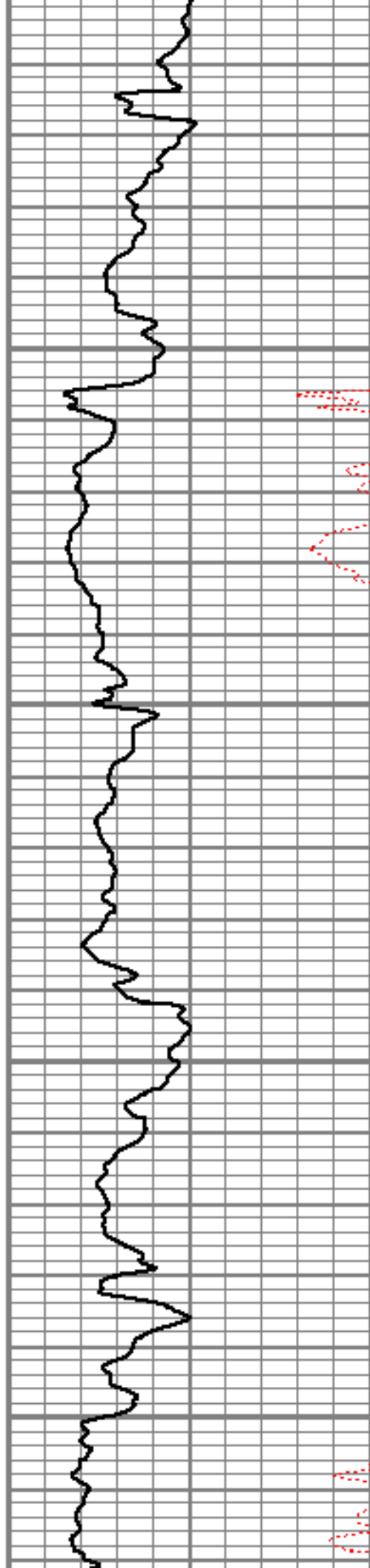


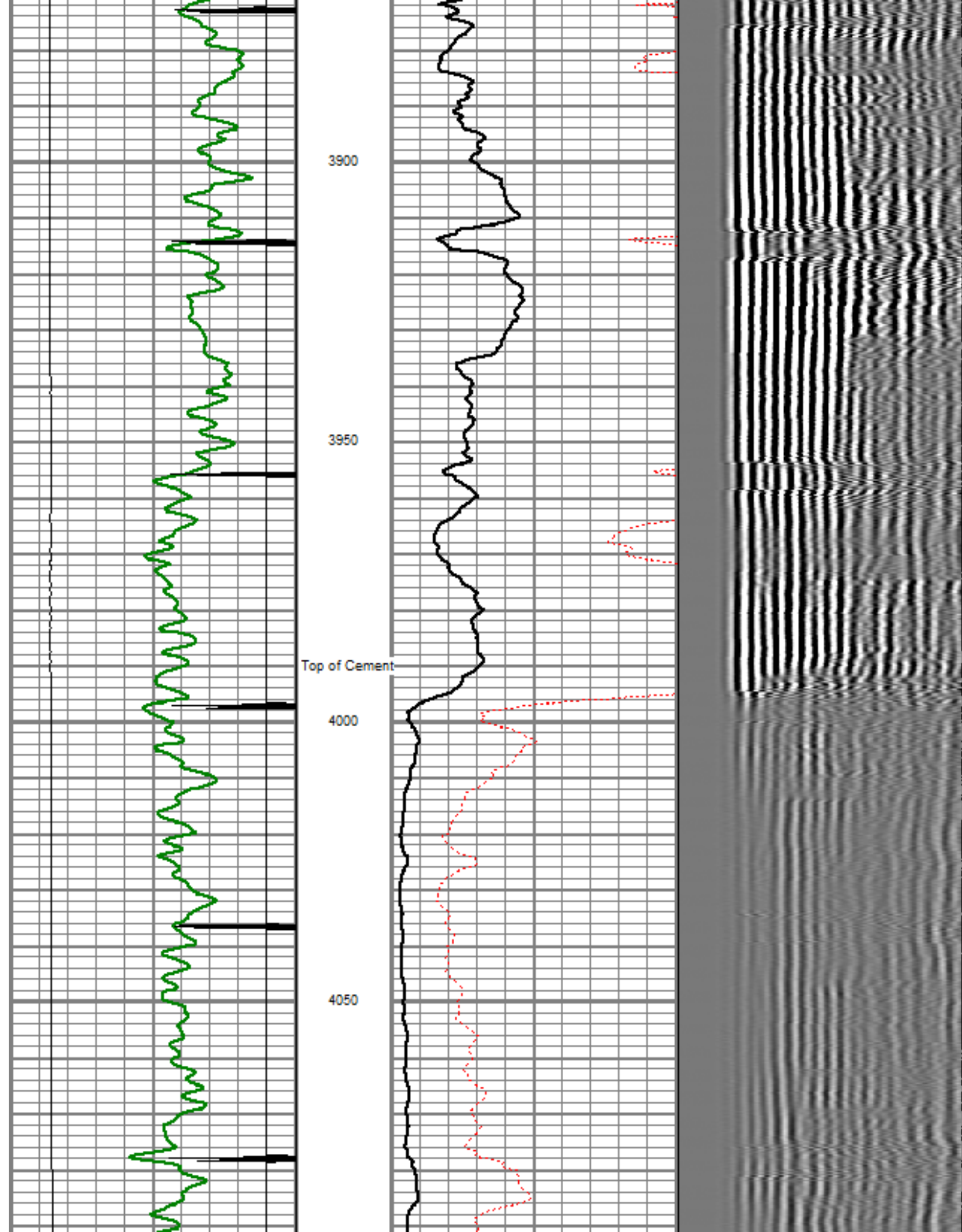
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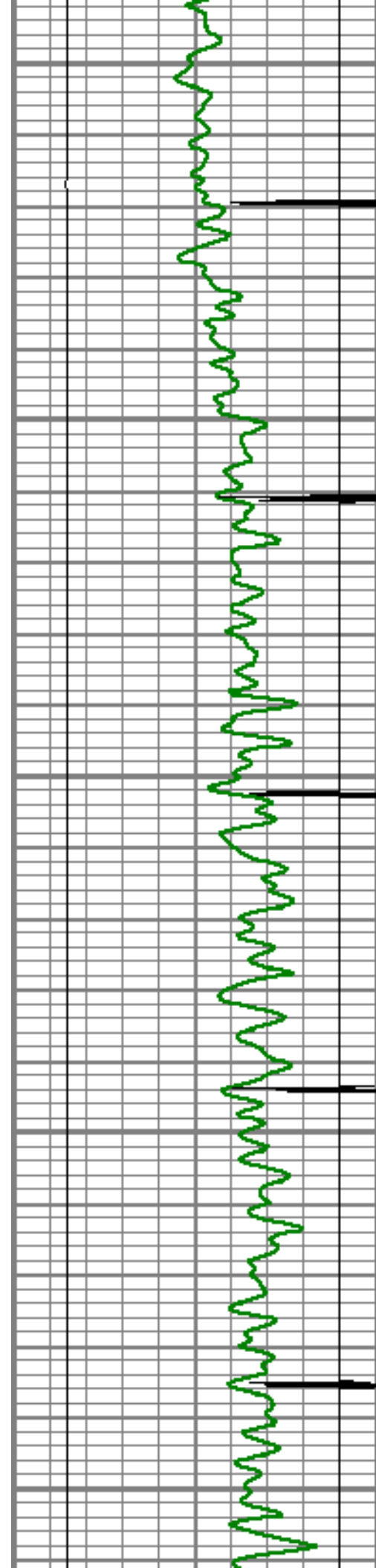
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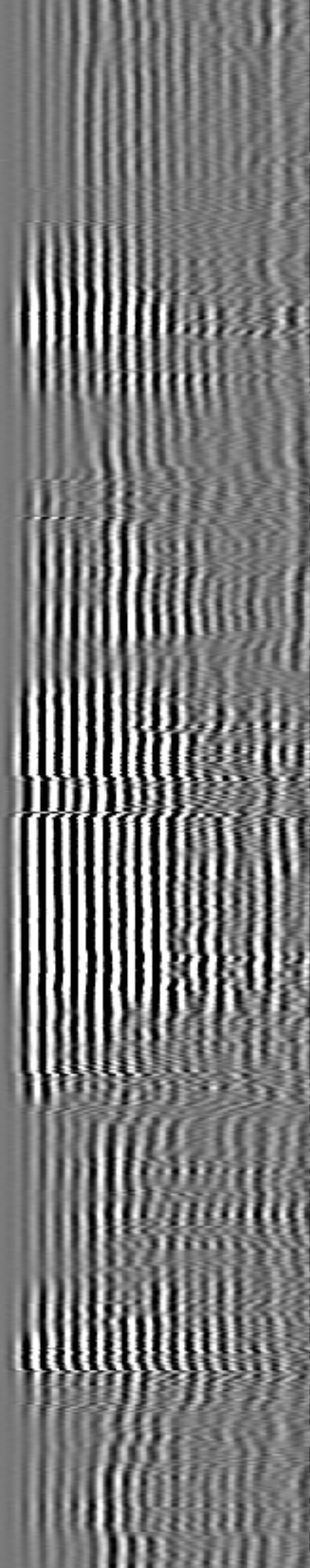
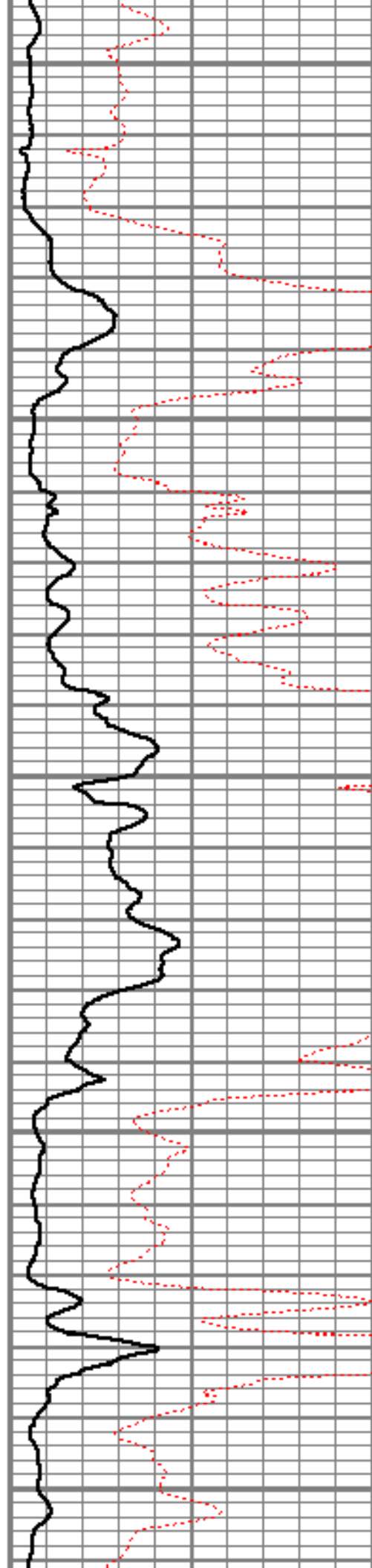
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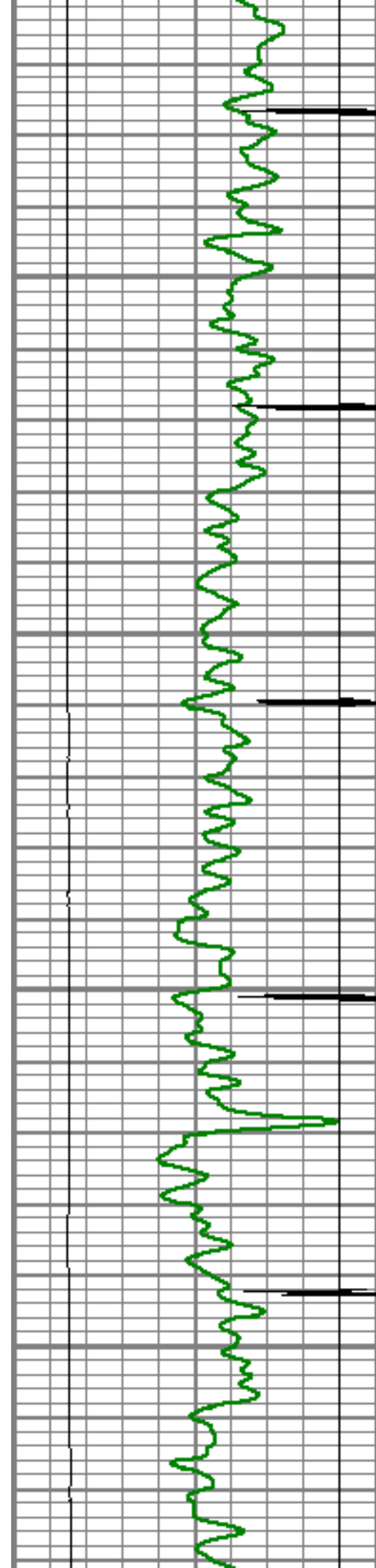
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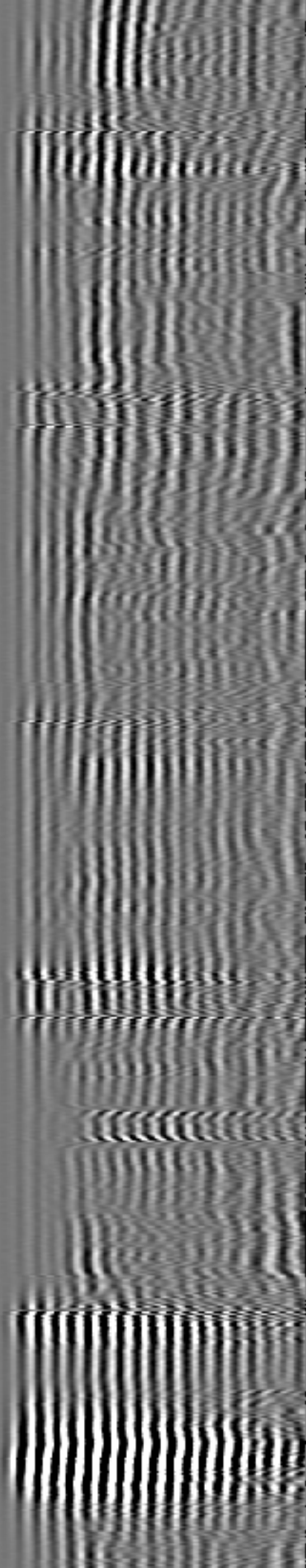
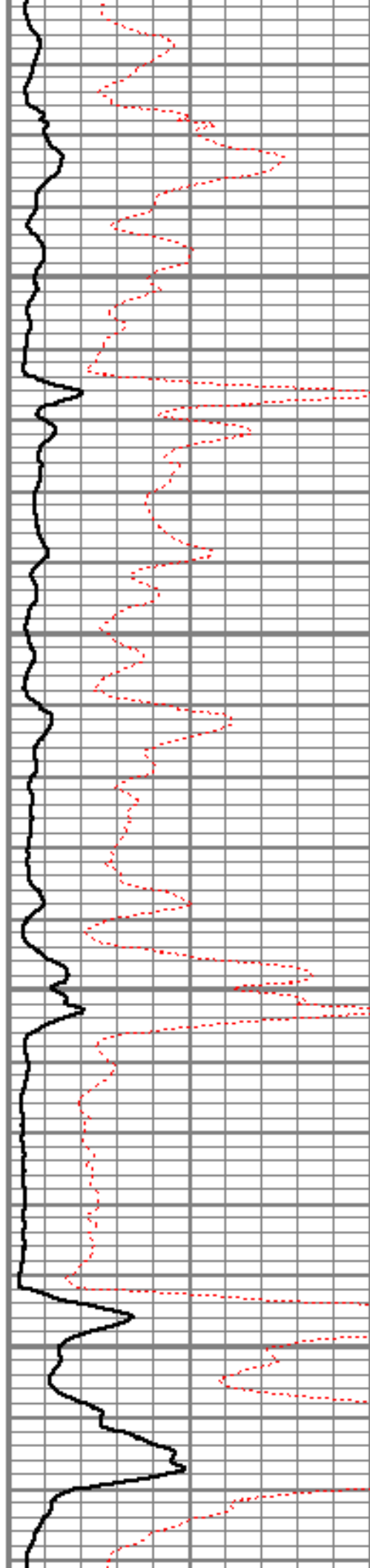


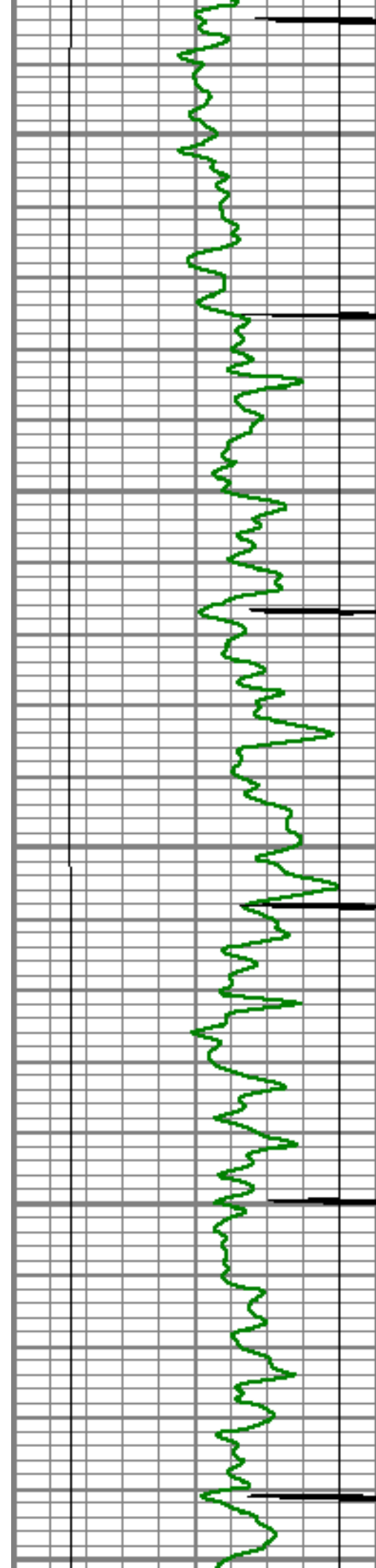
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4500





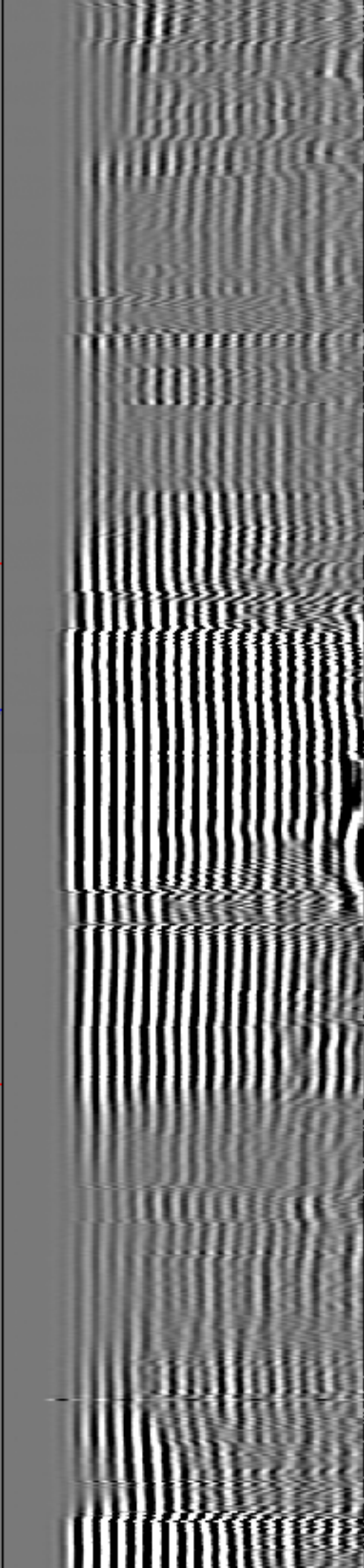
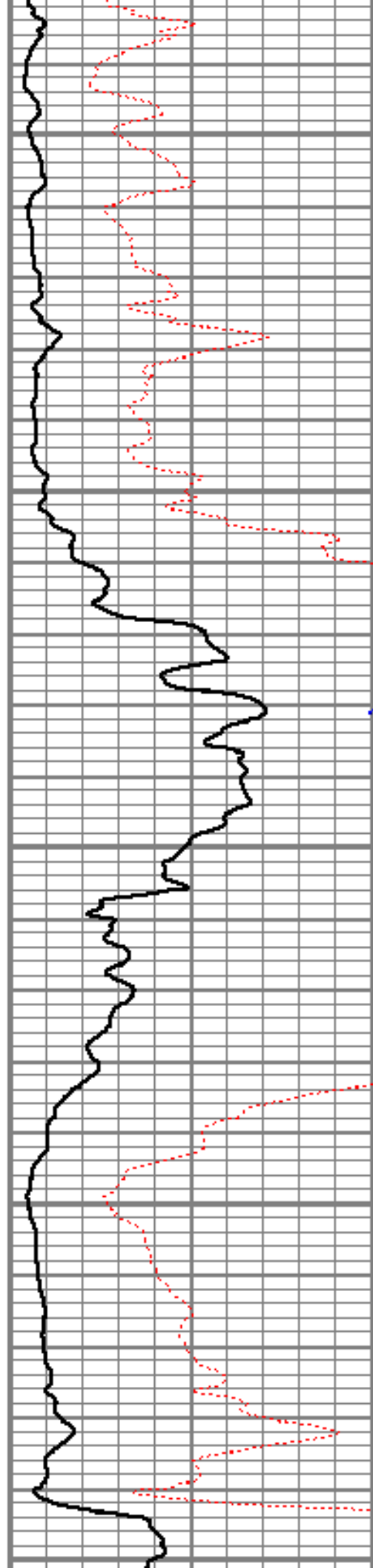
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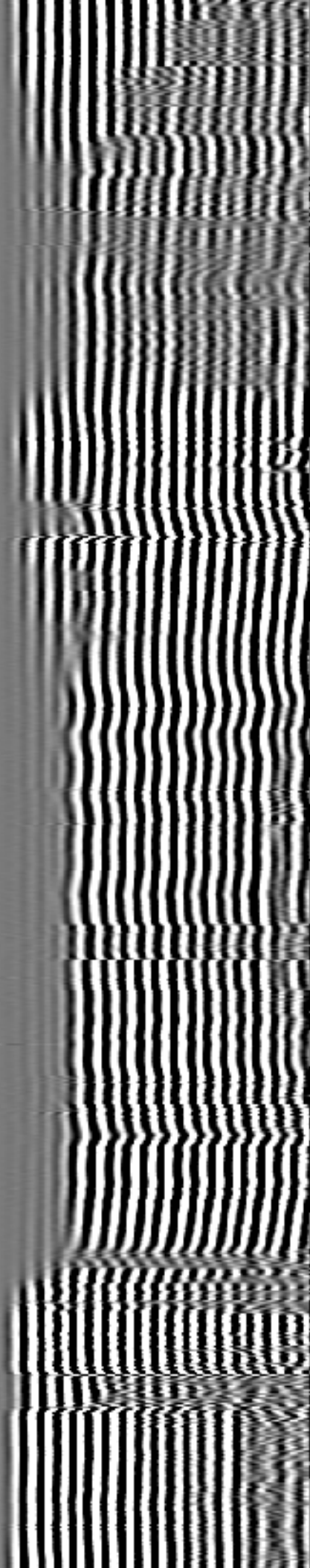
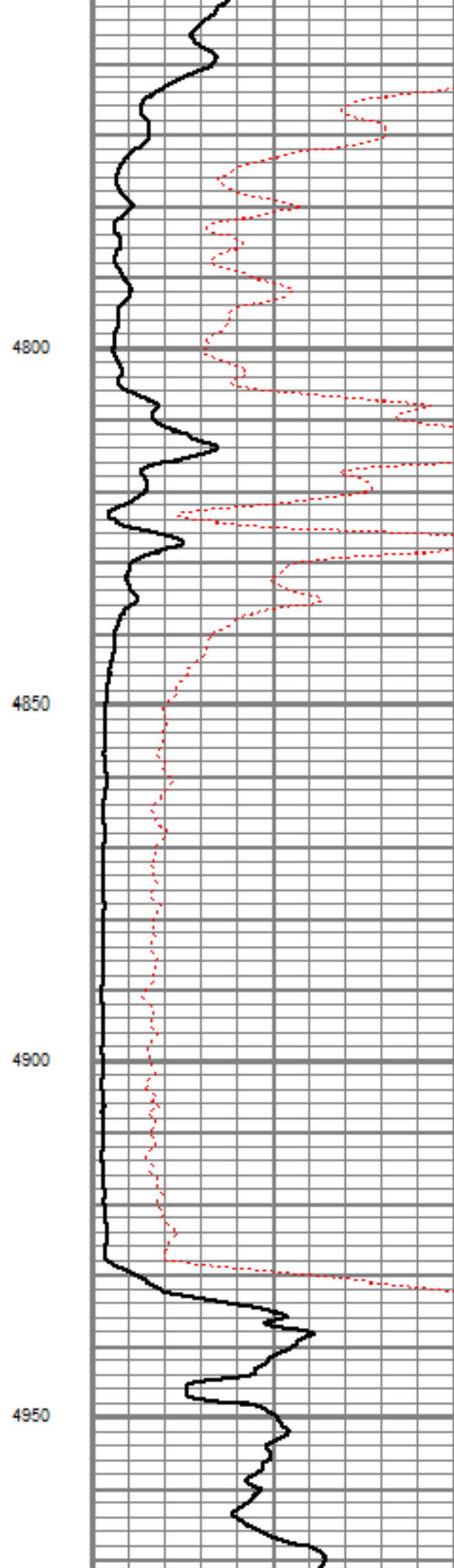
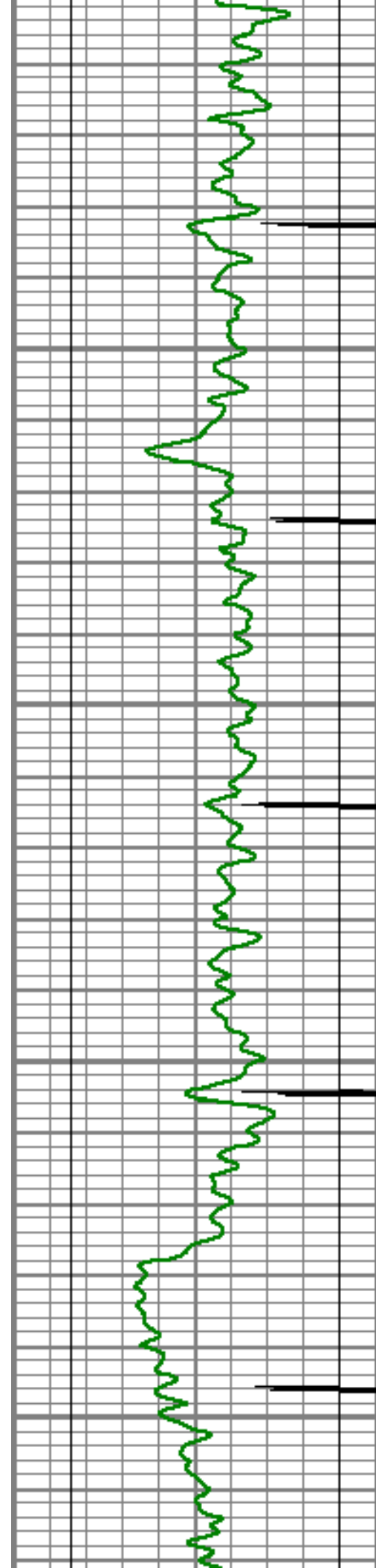
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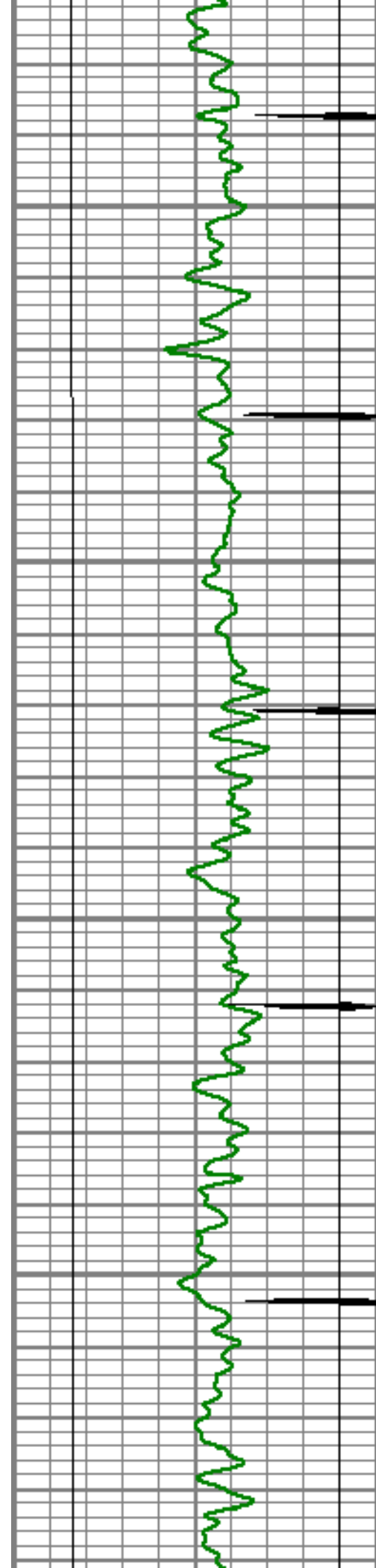
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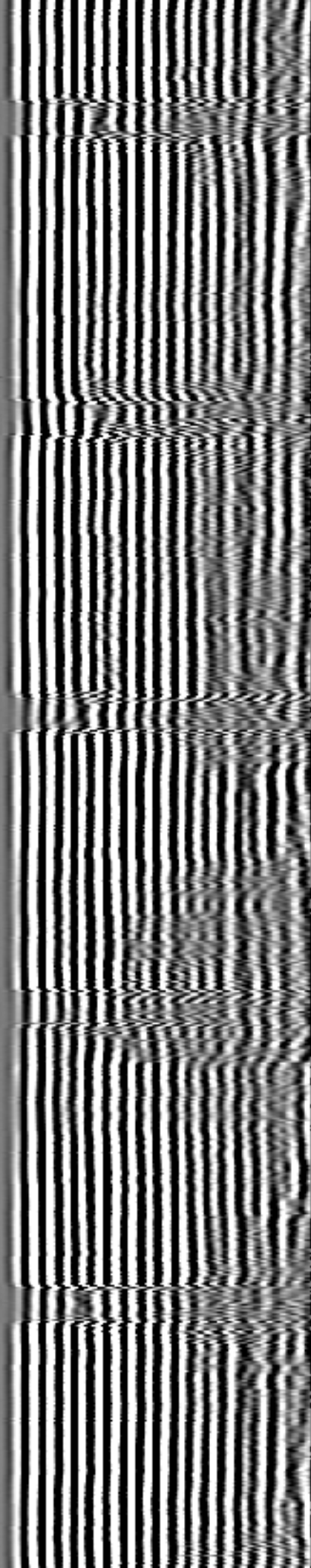
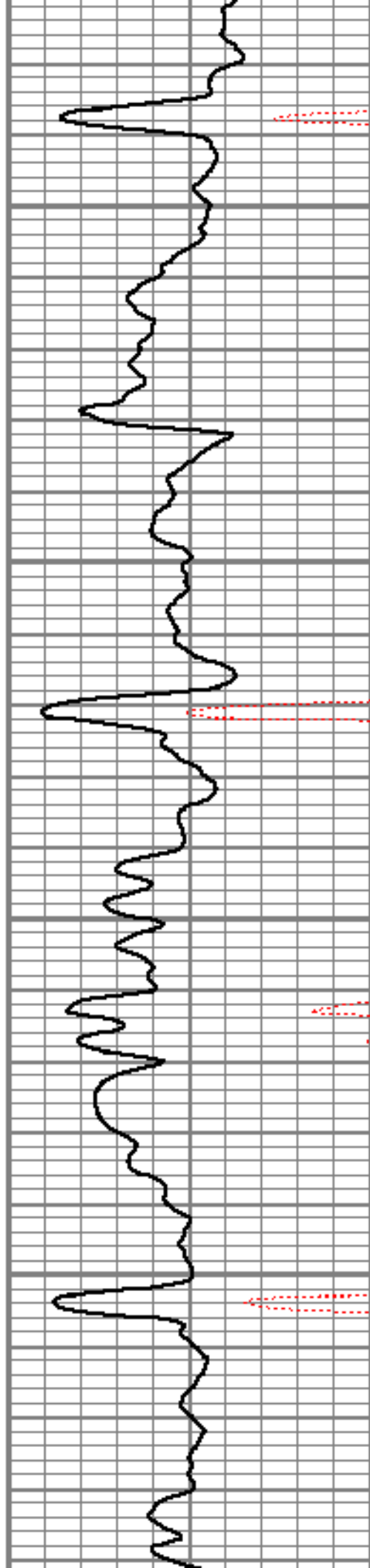


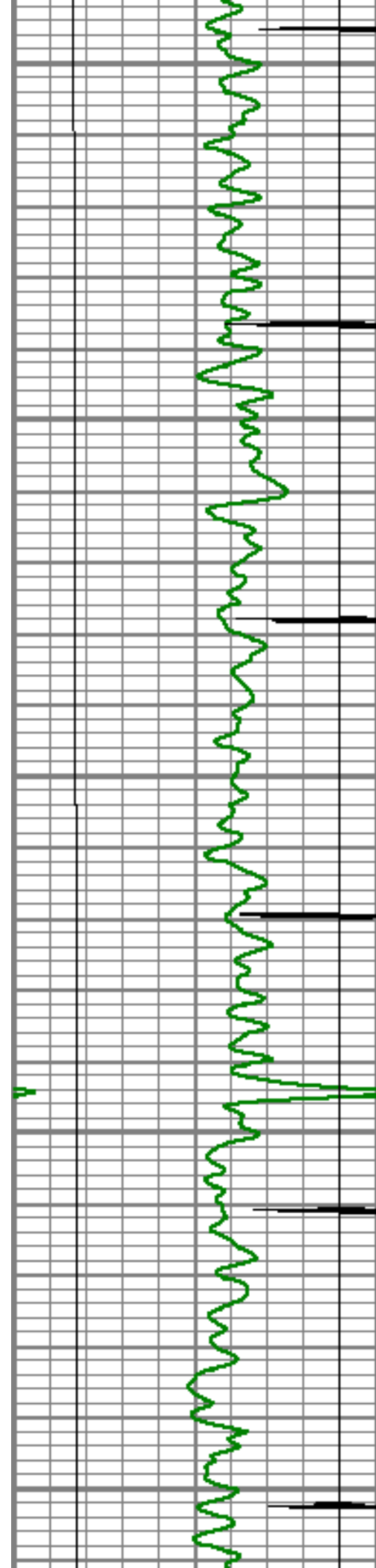
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5100

5150





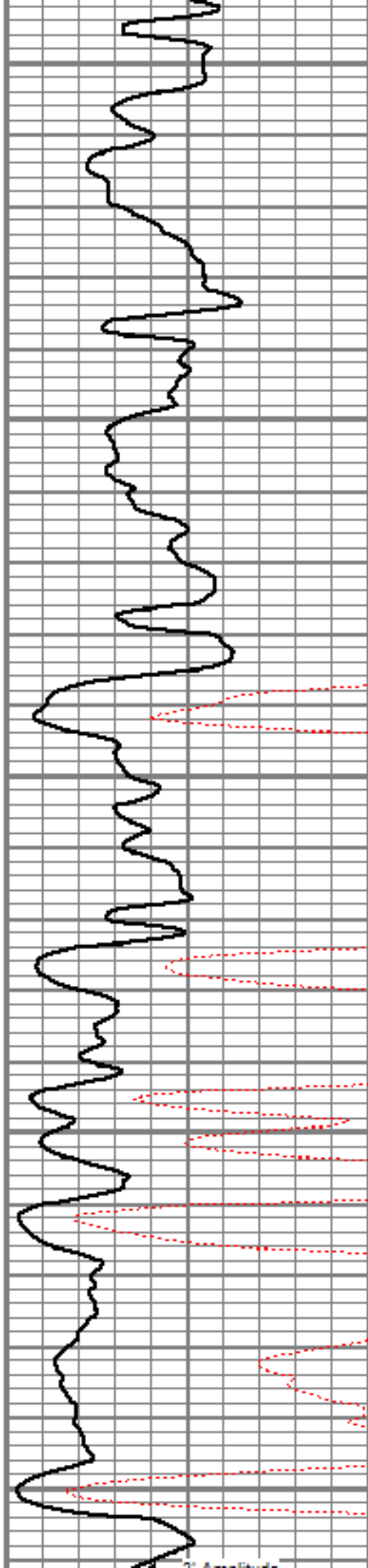
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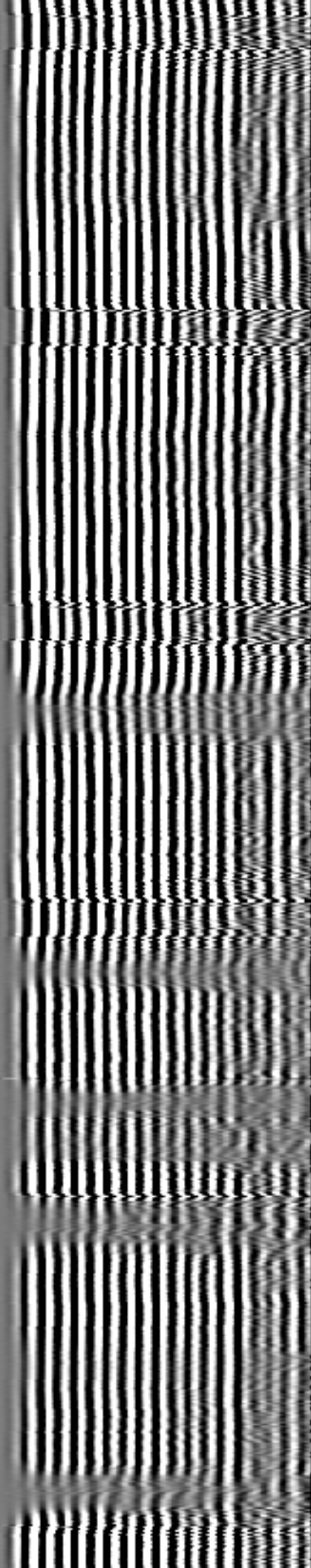
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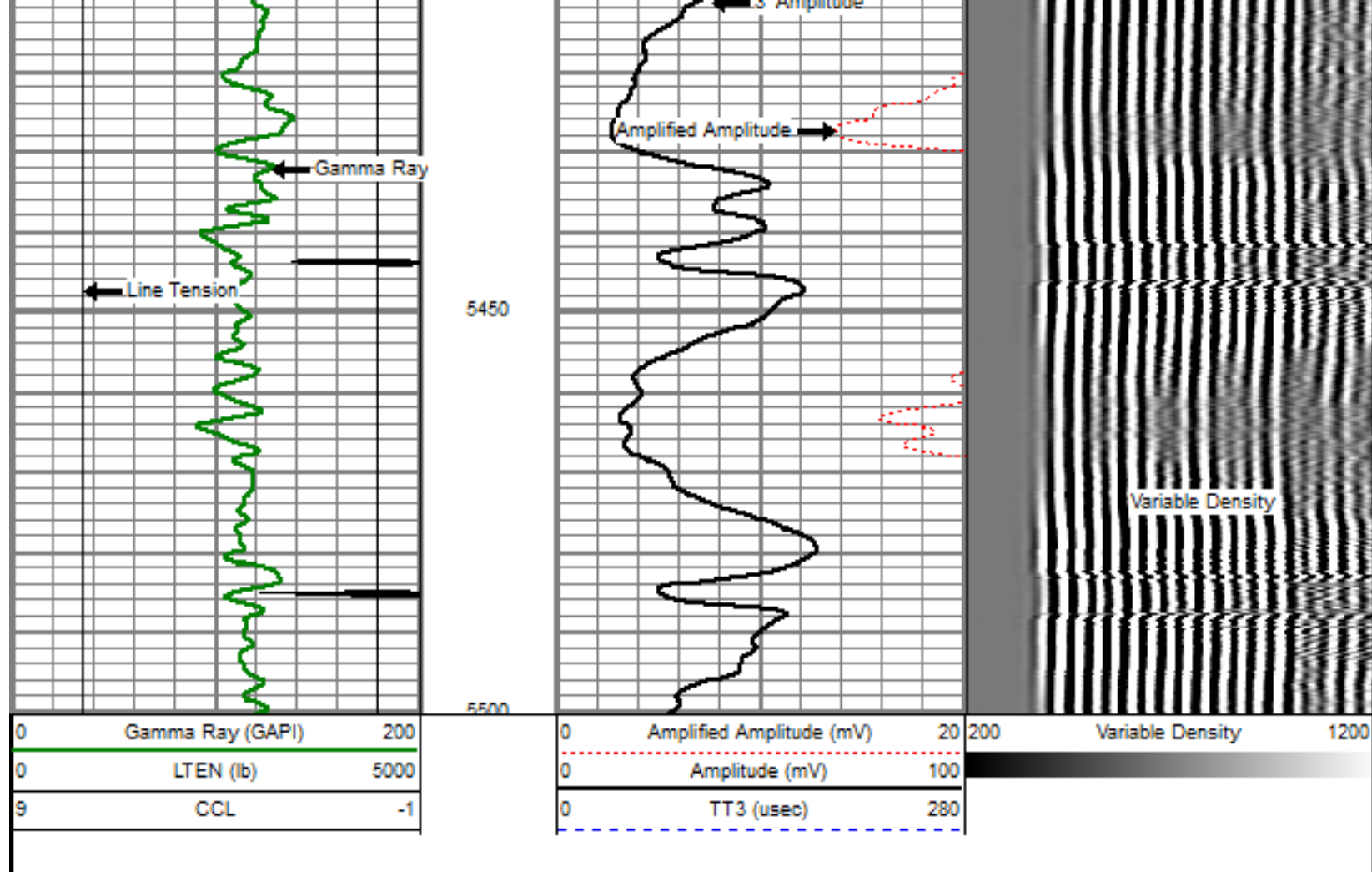
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01 Amplitude

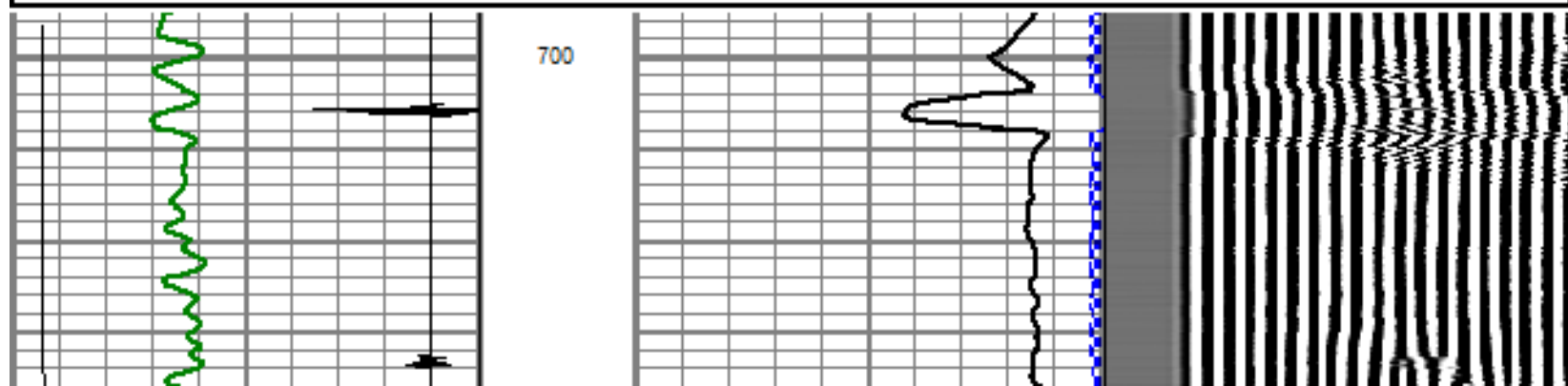
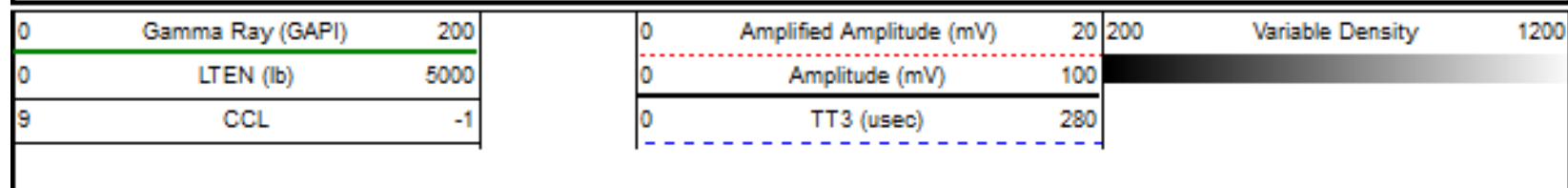


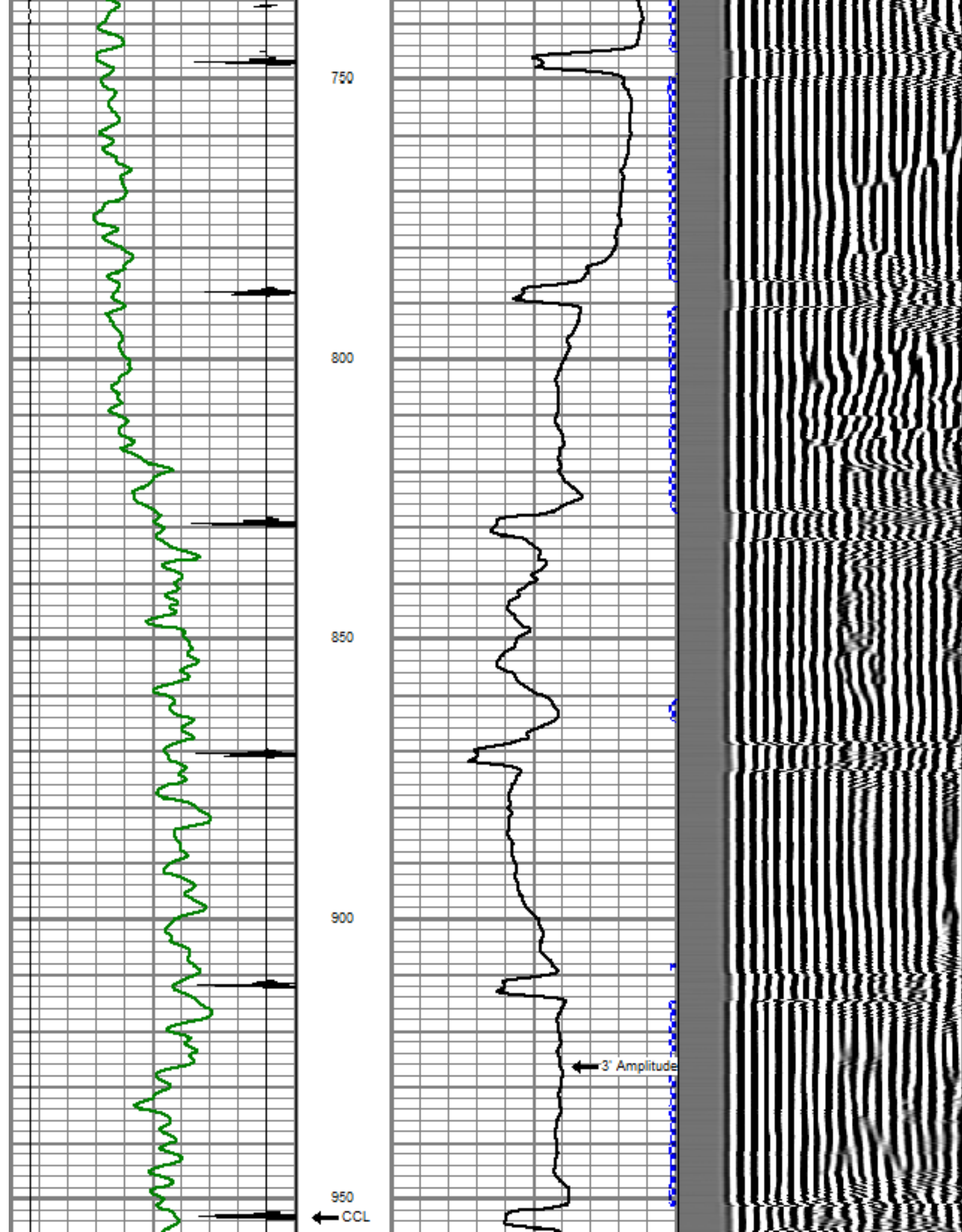


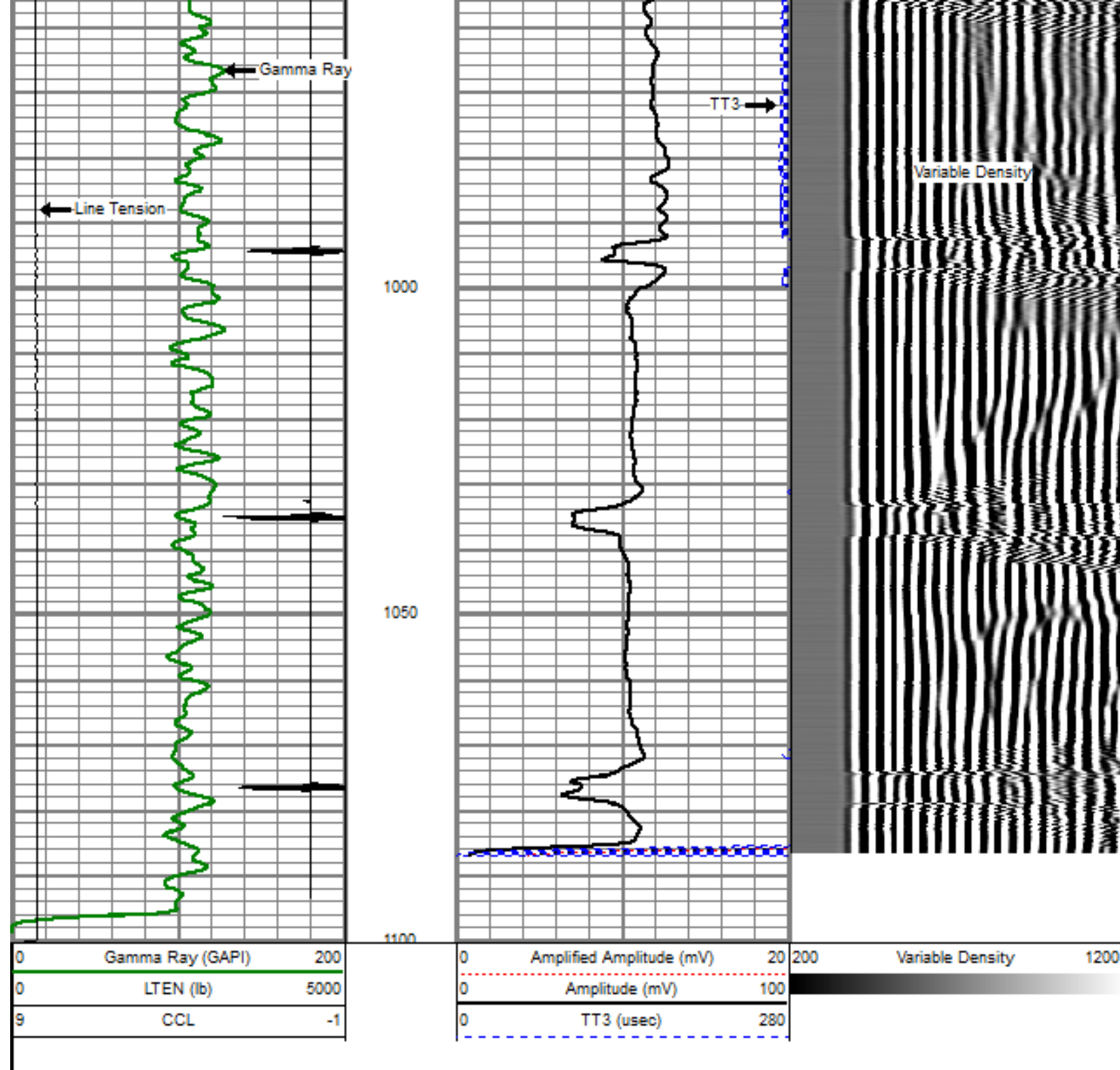
TOP PASS BEFORE SQUEEZE

5" = 100'

Database File: elmquist 4-2-23.db
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 Presentation Format: dcbl_prb
 Dataset Creation: Thu Jan 05 11:46:31 2012 by Log SCH 110722
 Charted by: Depth in Feet scaled 1:240



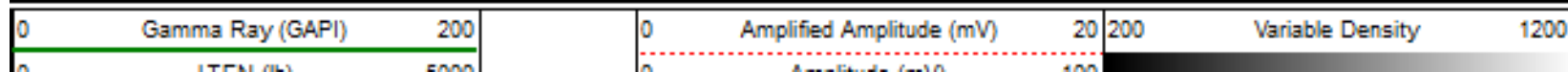




REPAET PASS

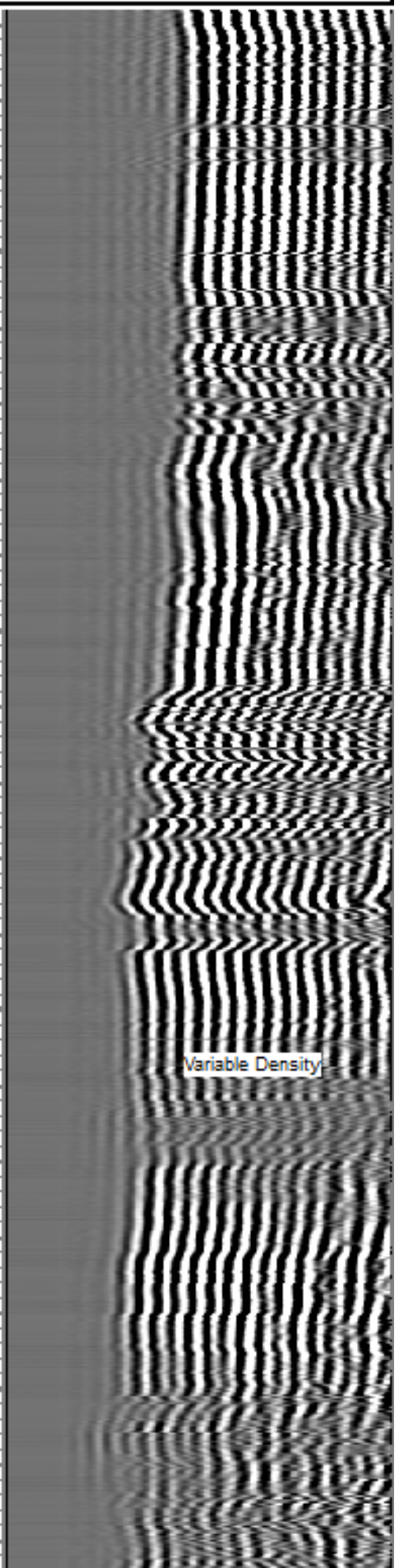
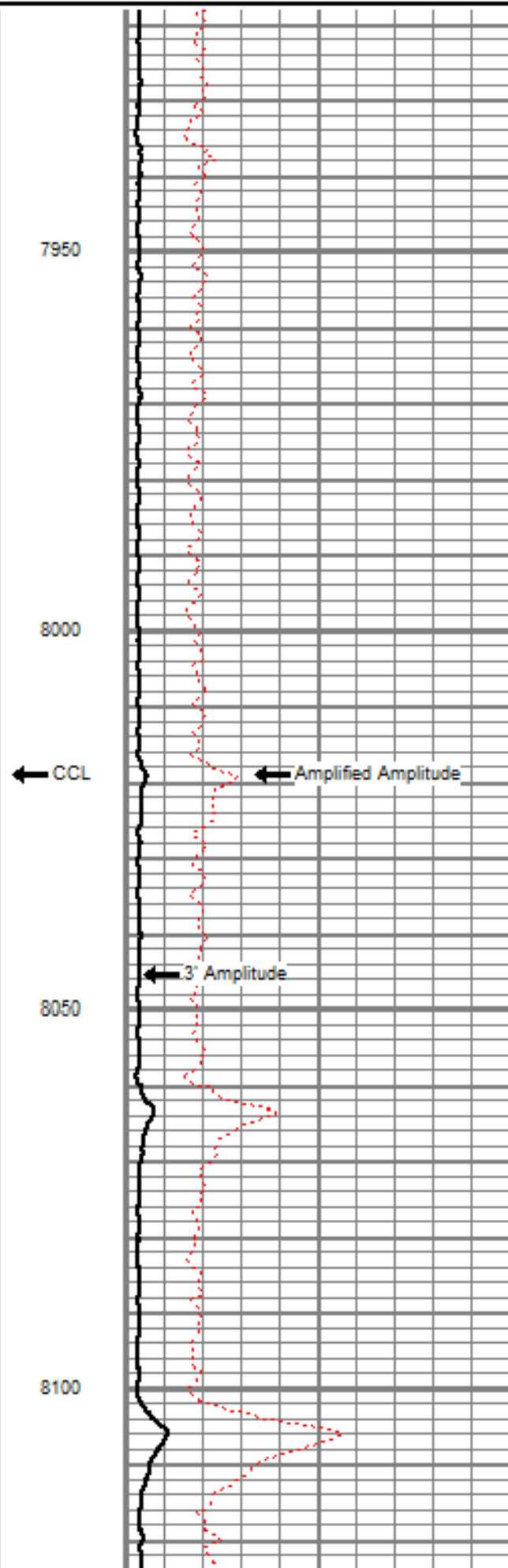
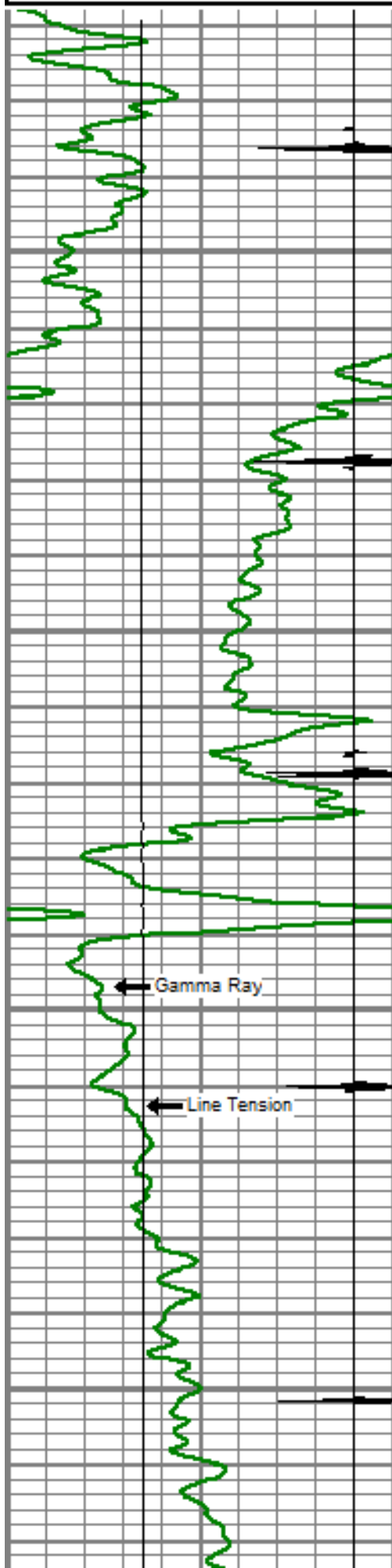
5" = 100'

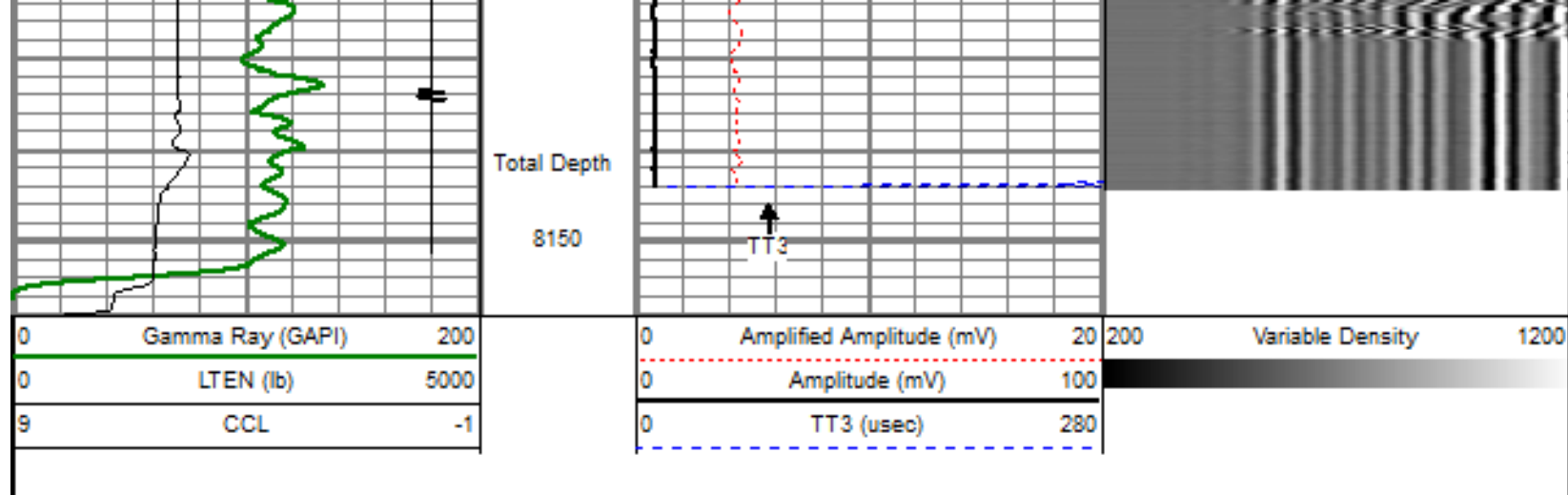
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 Dataset Pathname: pass10
 Presentation Format: dobl_prb
 Dataset Creation: Thu Jan 05 10:26:37 2012 by Log SCH 110722
 Charted by: Depth in Feet scaled 1:240



| | |
|----------|------|
| LEN (lb) | 5000 |
| CCL | -1 |

| | |
|----------------|-----|
| Amplitude (mV) | 100 |
| TT3 (usec) | 280 |

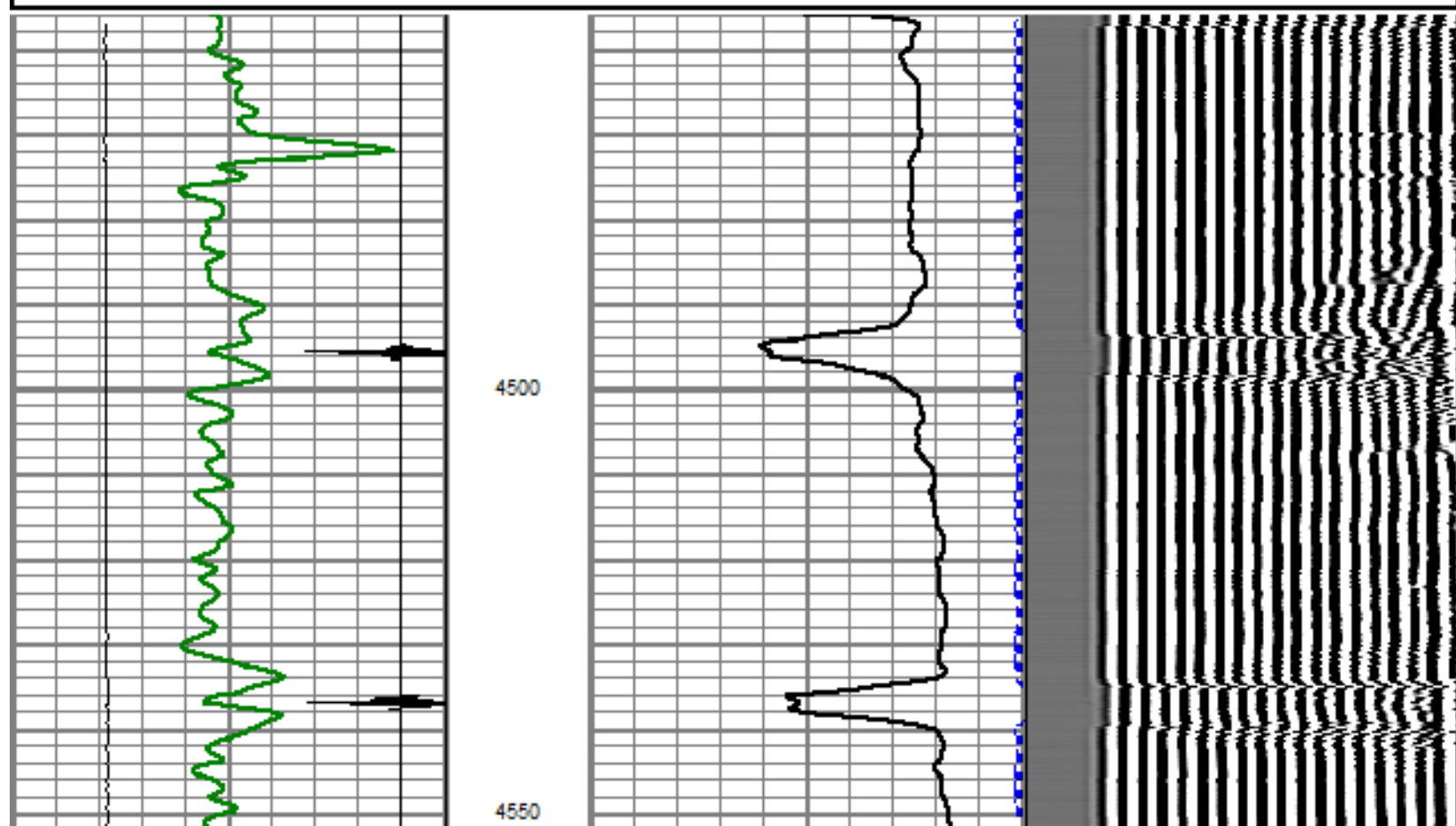
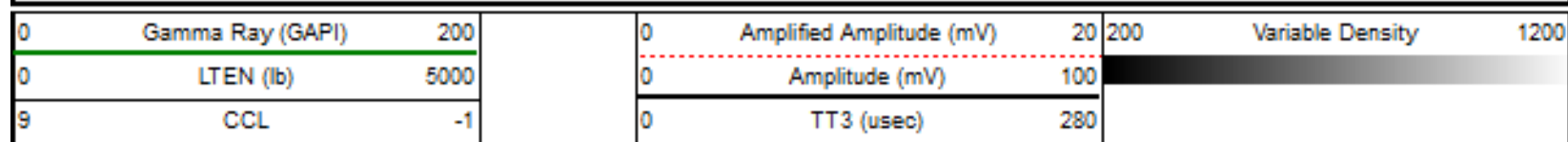


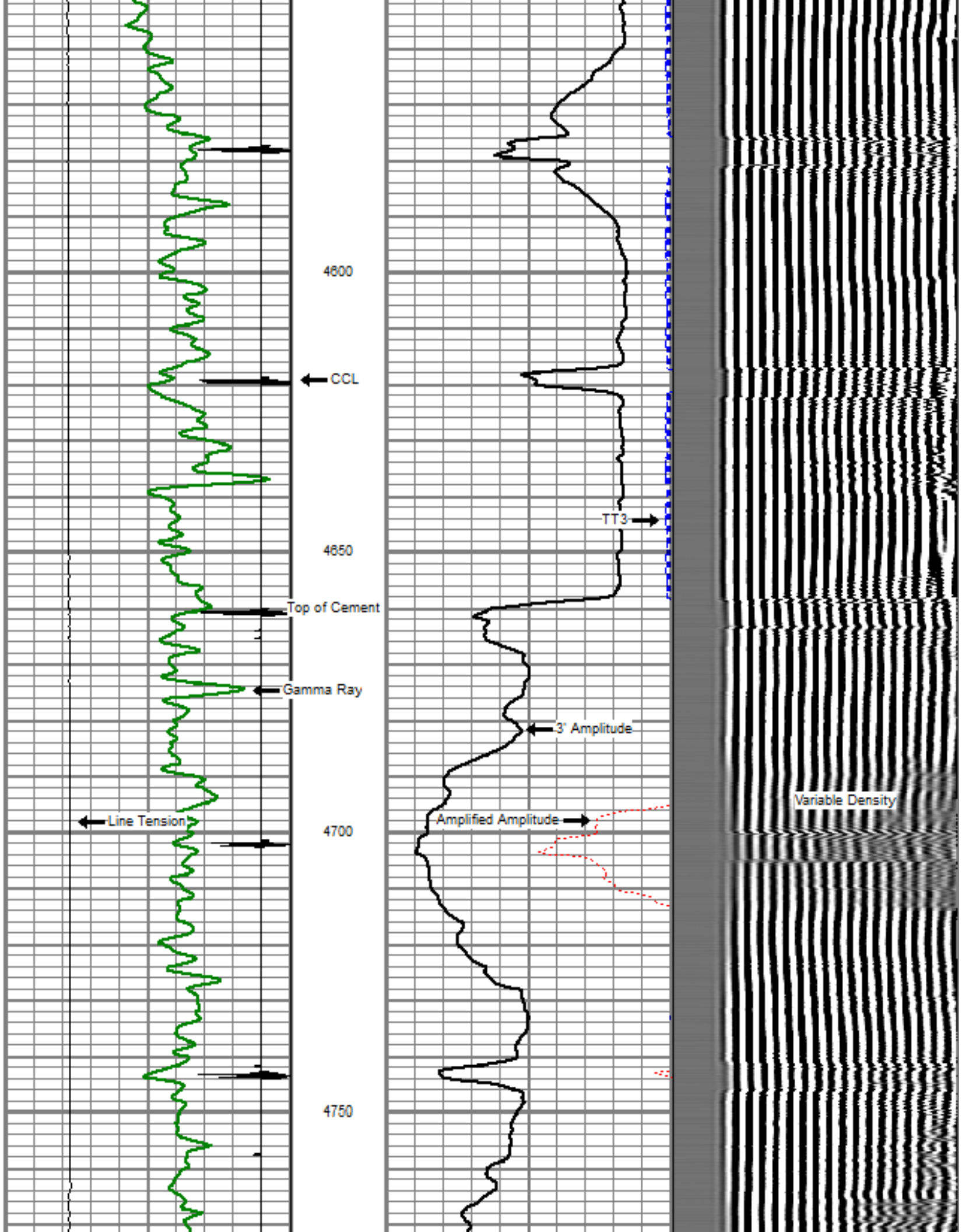


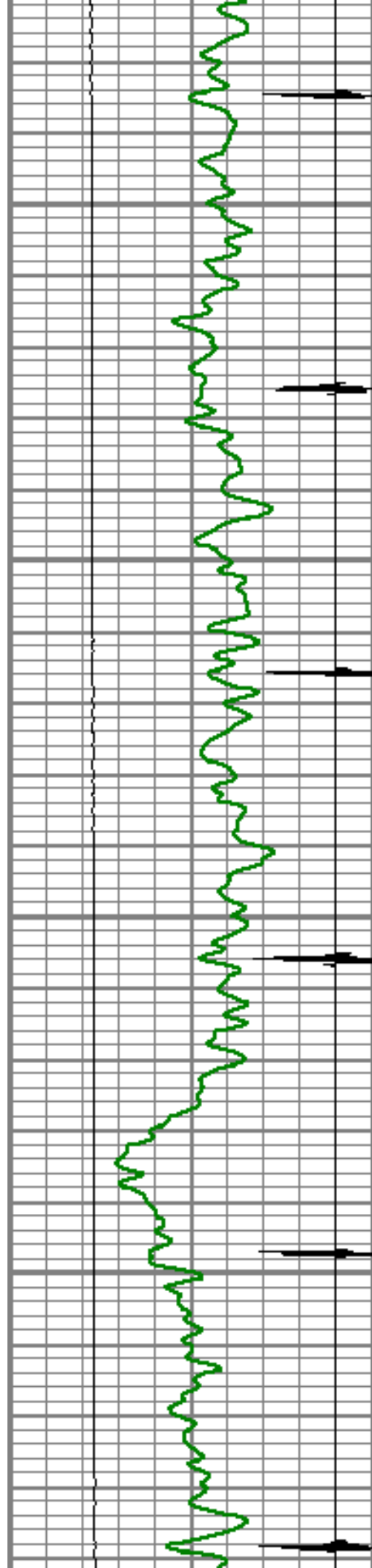
MAIN PASS

5" = 100'

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 Dataset Pathname: pass11.2
 Presentation Format: dobl_prb
 Dataset Creation: Thu Jan 05 11:37:30 2012 by Calc SCH 110722
 Charted by: Depth in Feet scaled 1:240





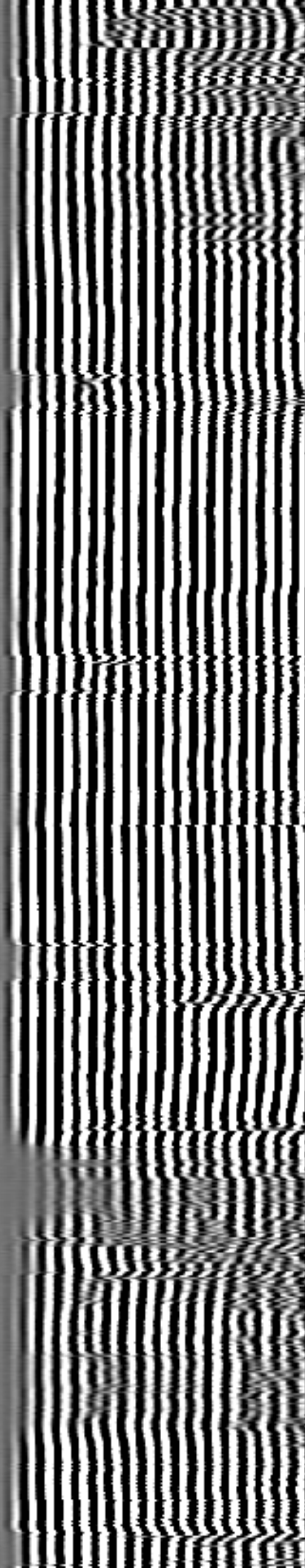
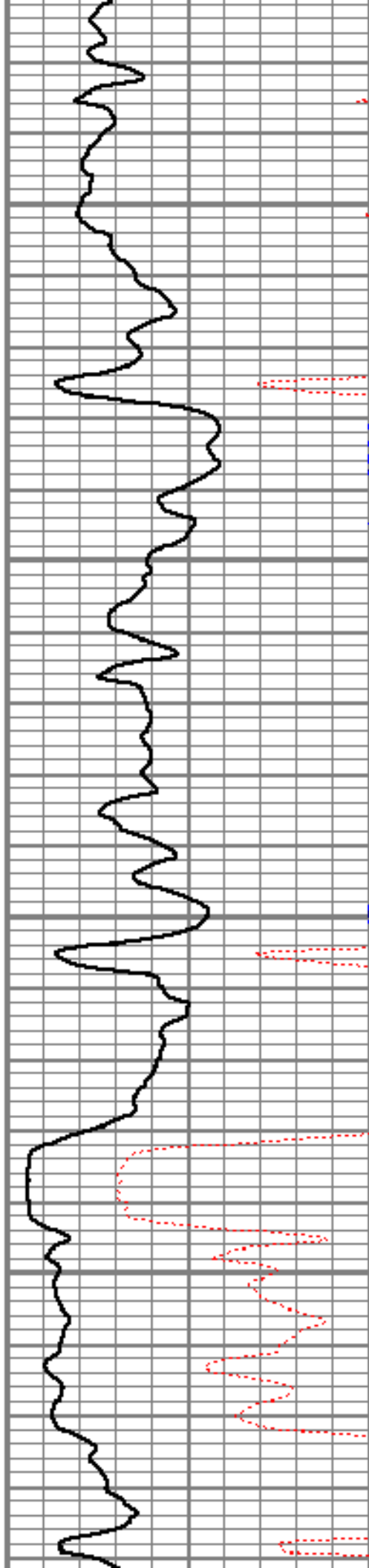


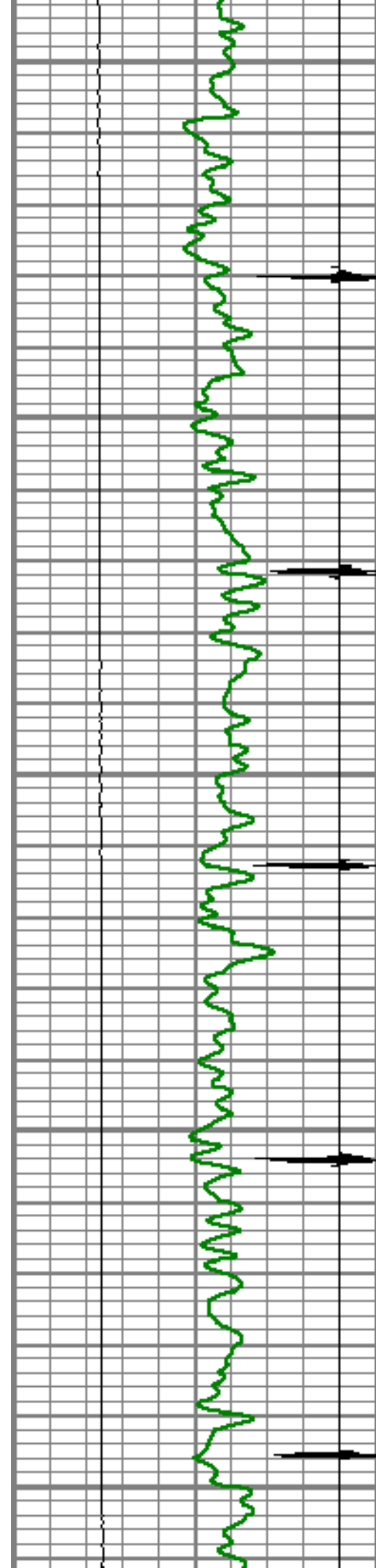
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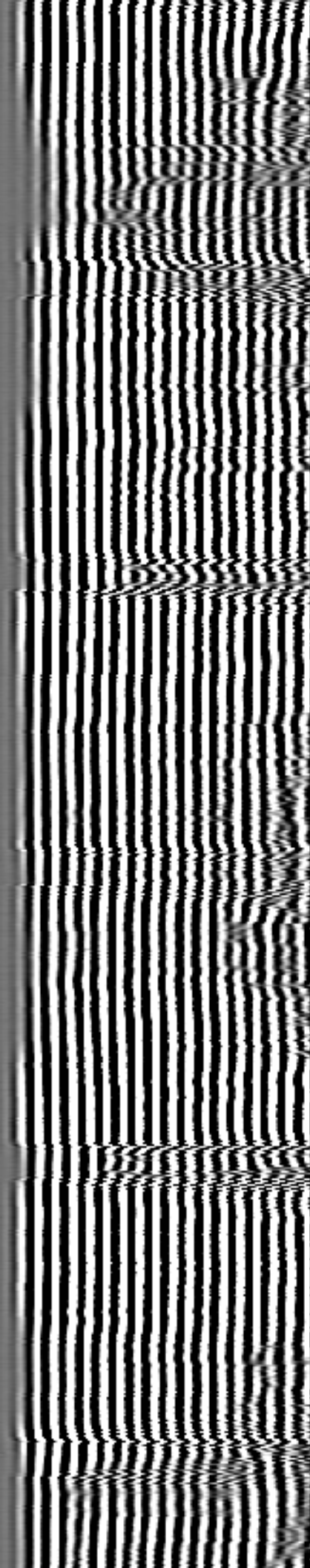
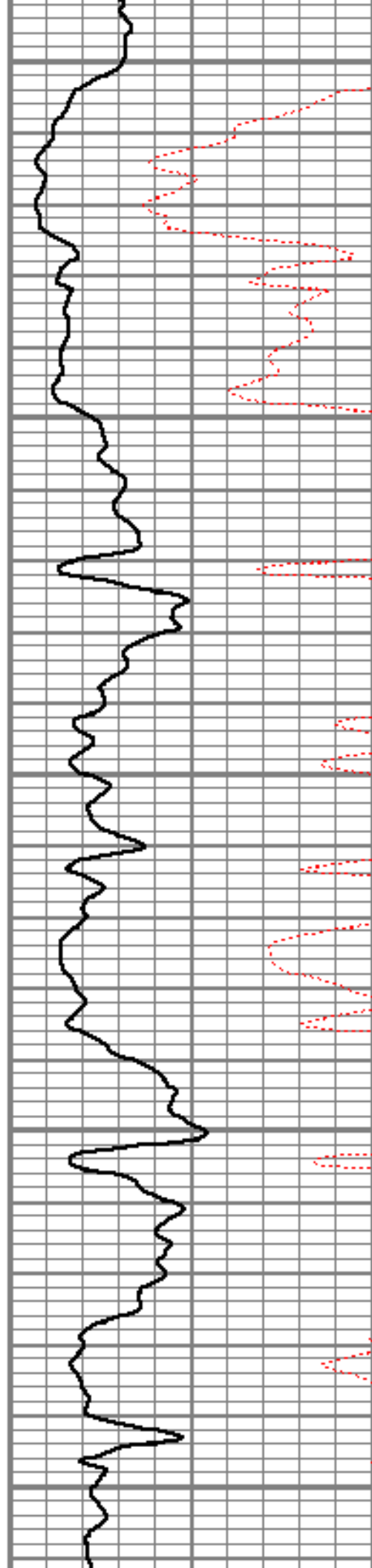
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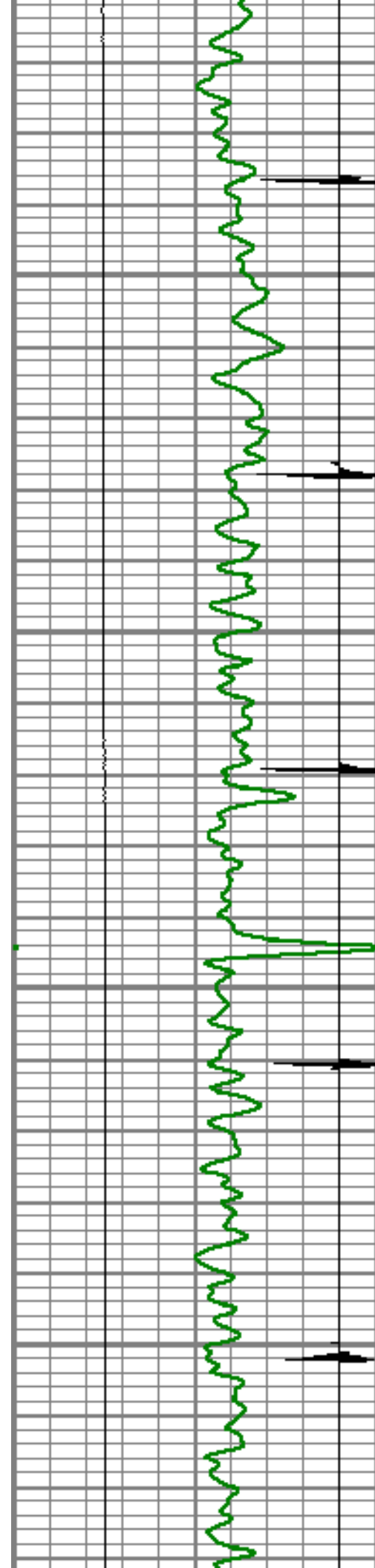
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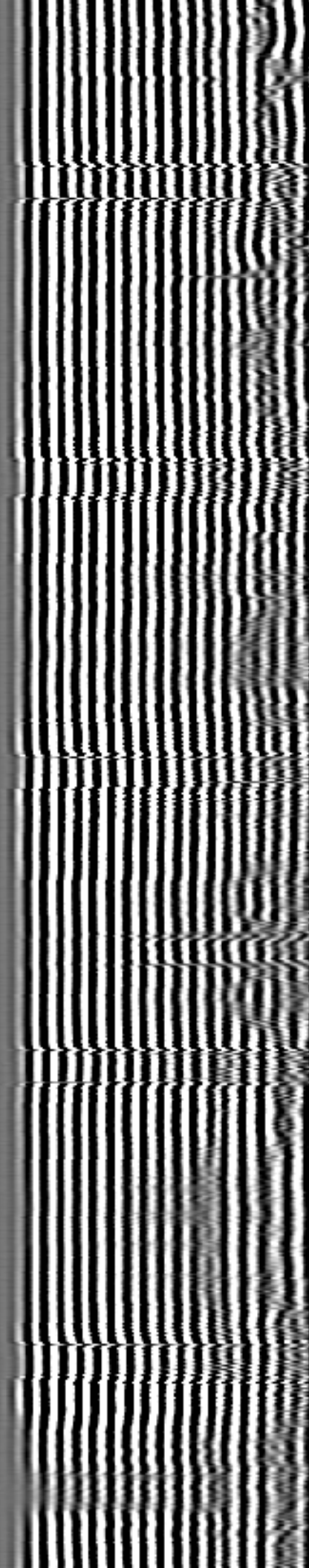
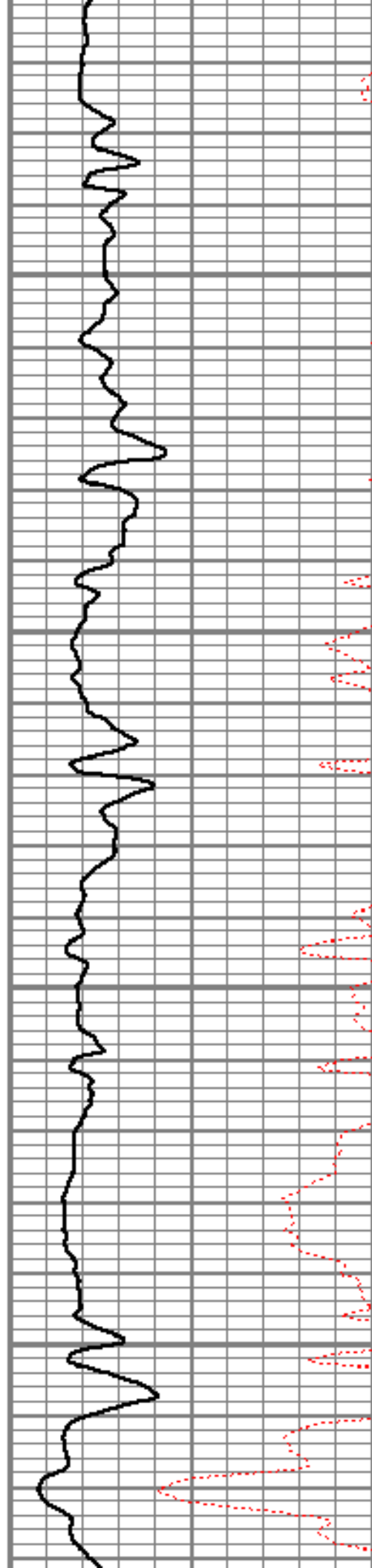


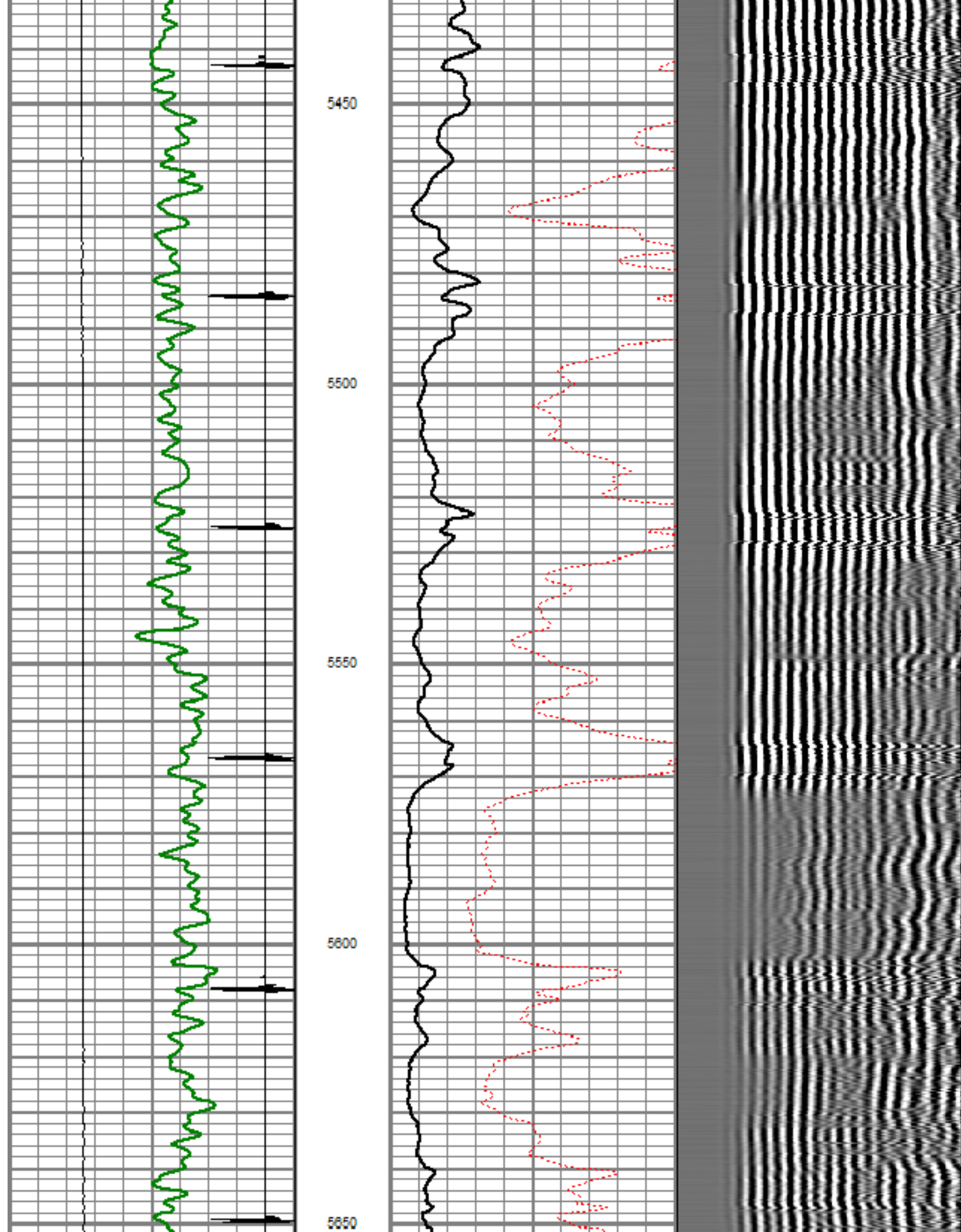
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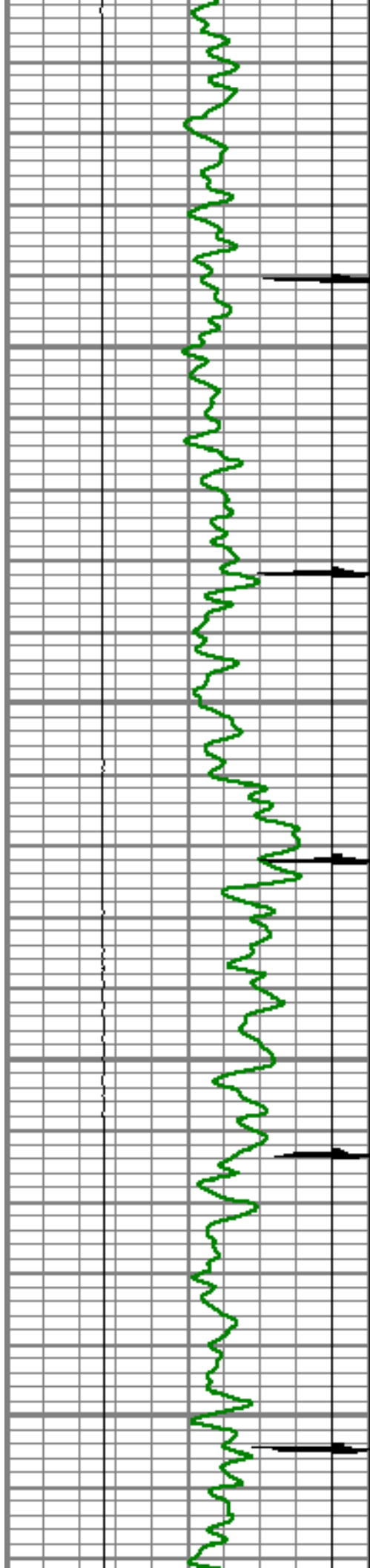
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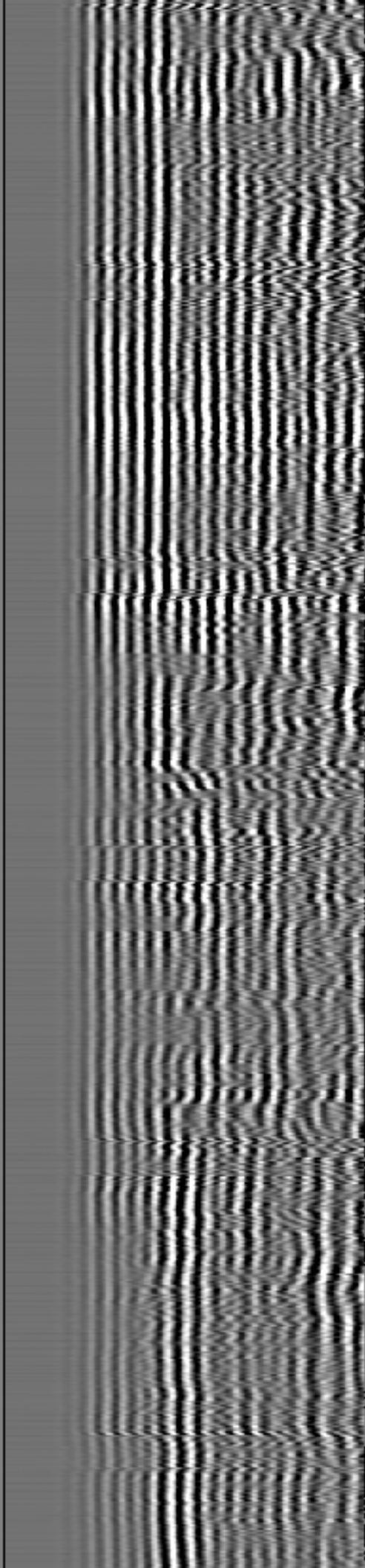
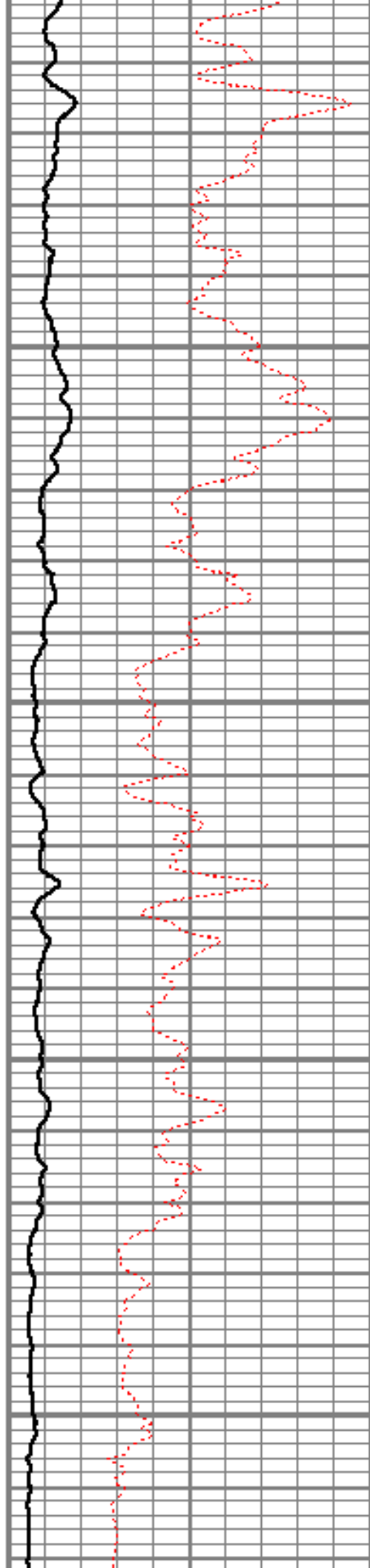


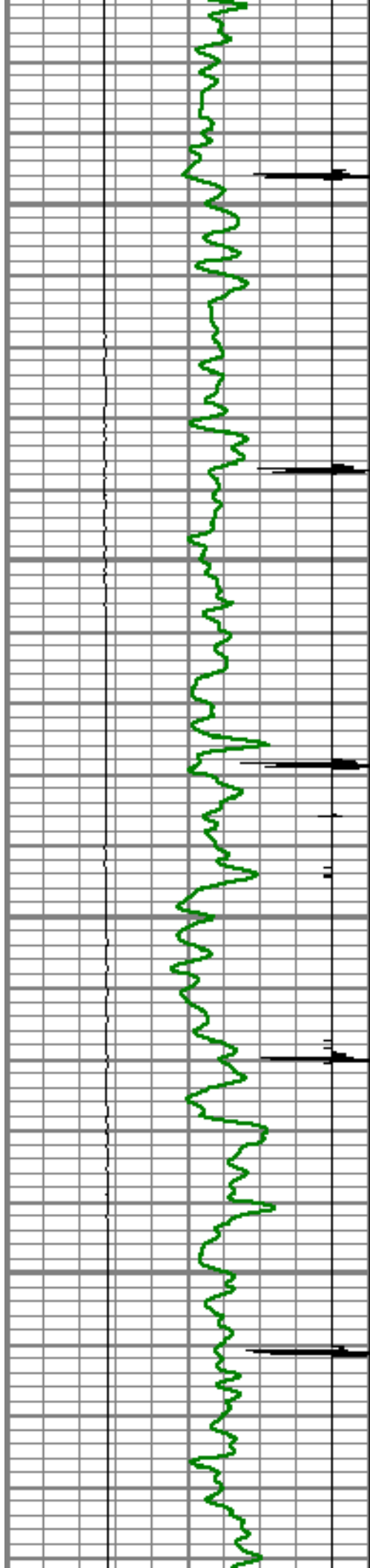
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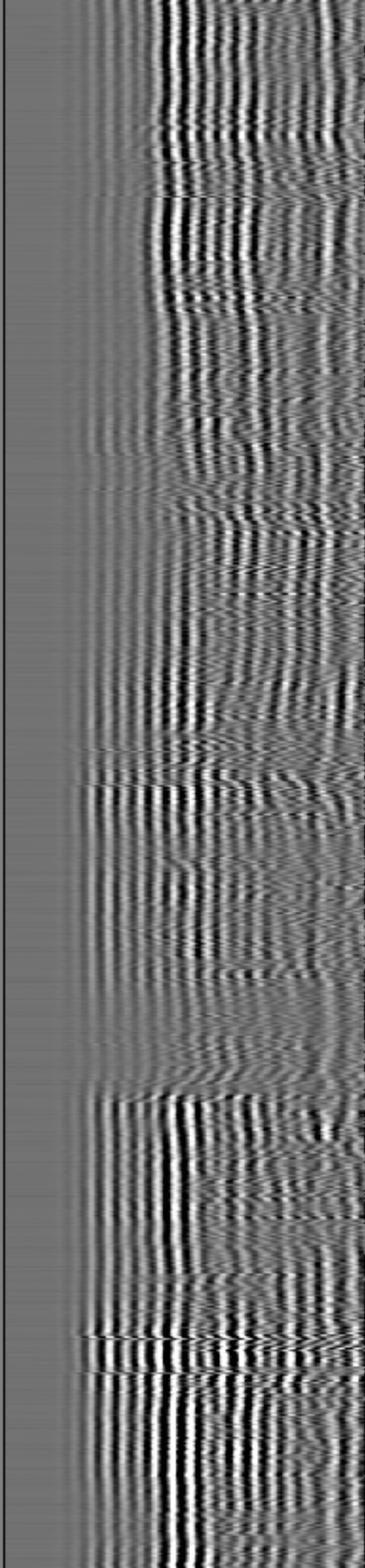
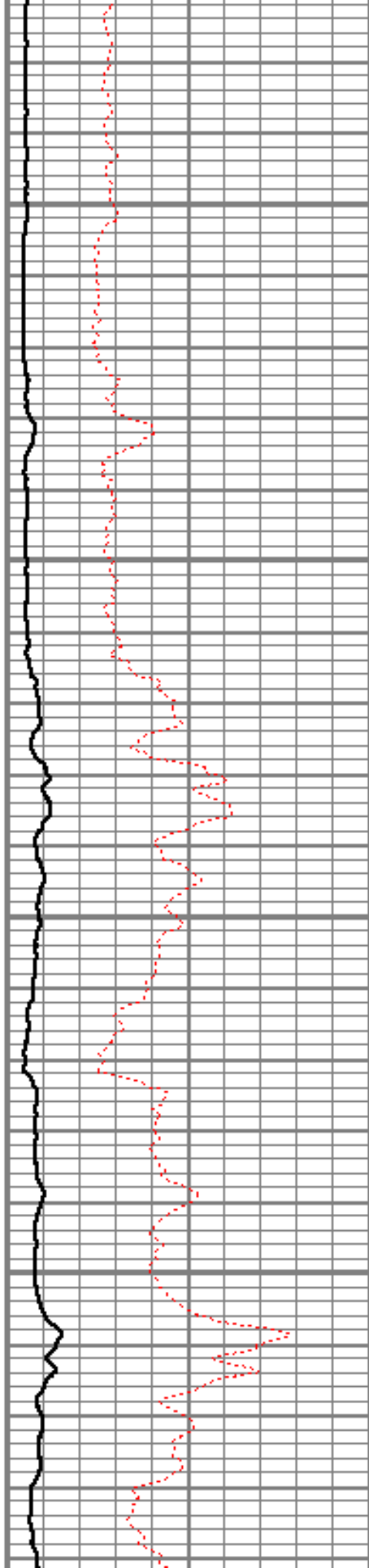


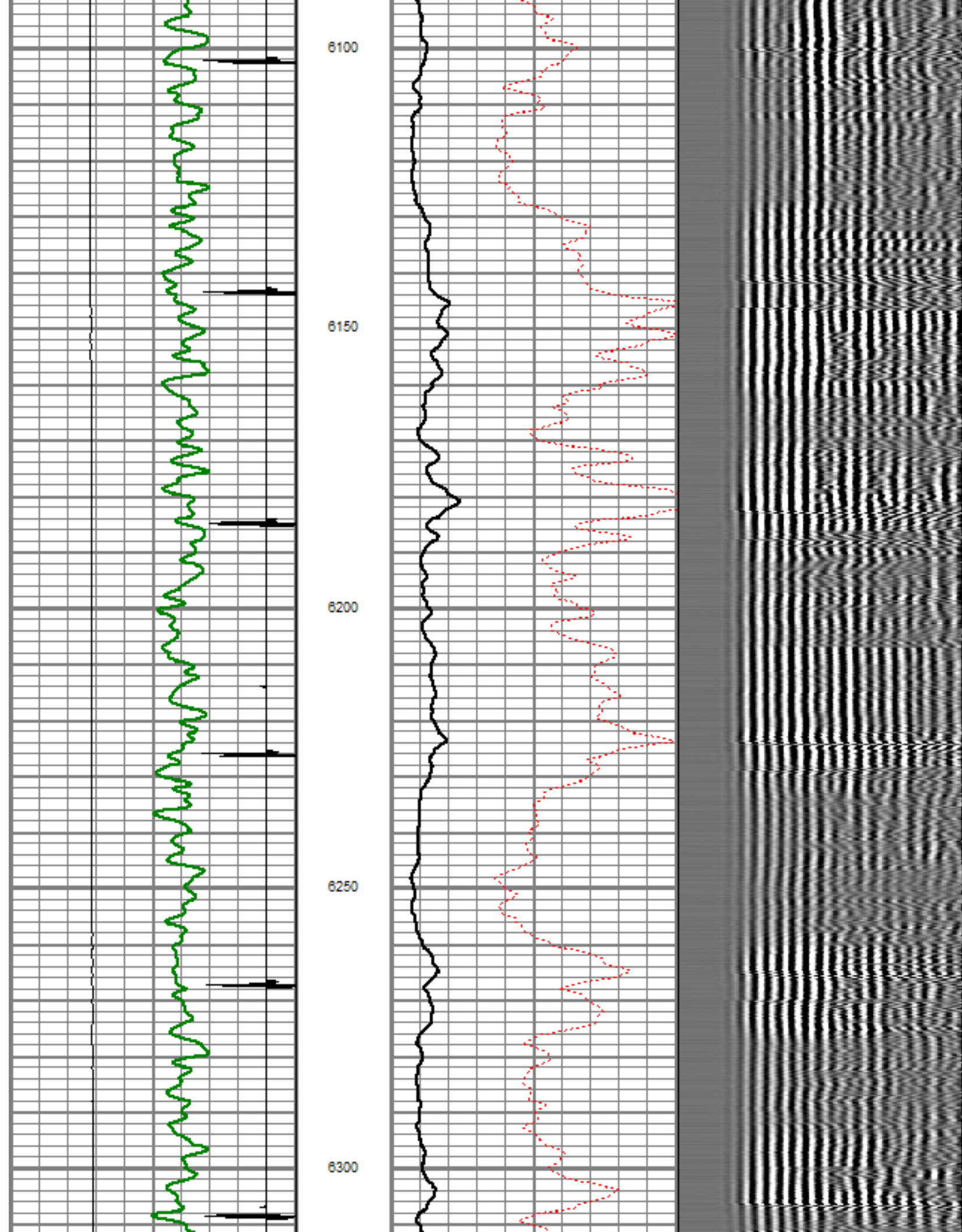
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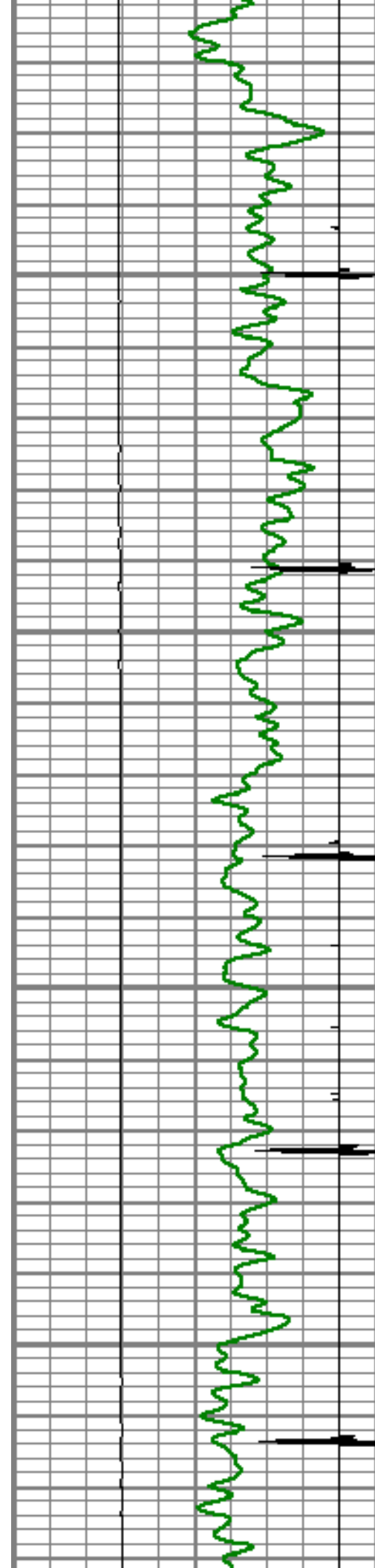
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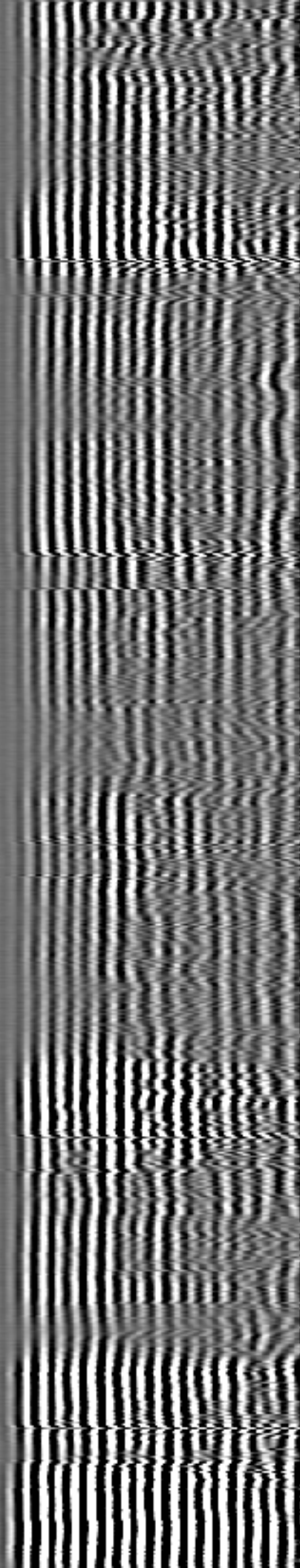
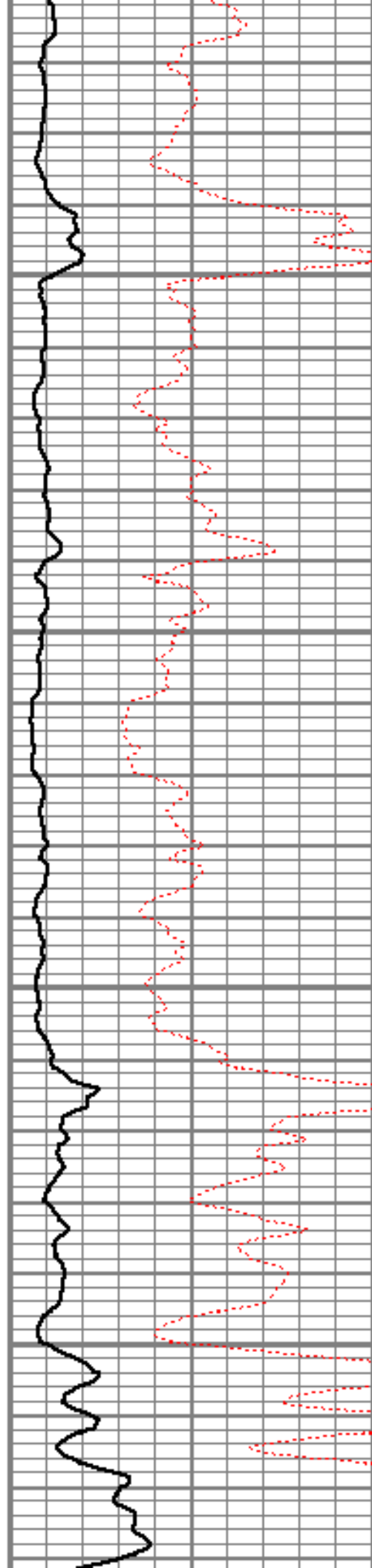


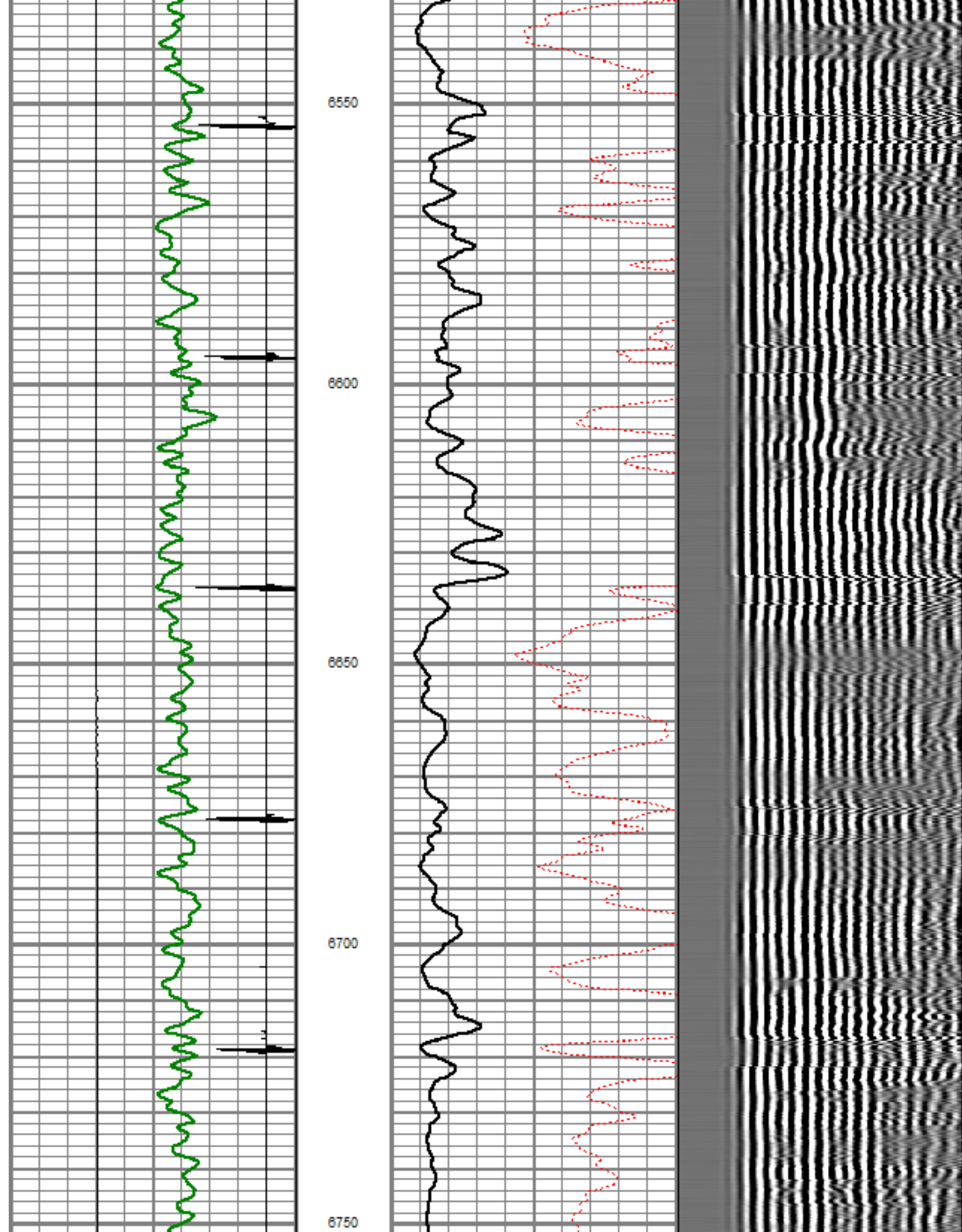
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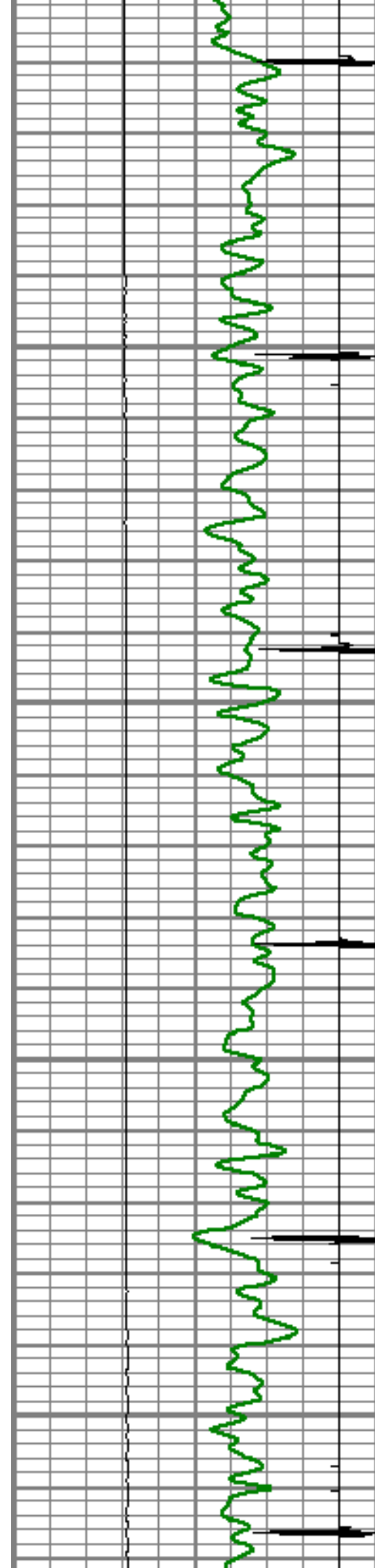
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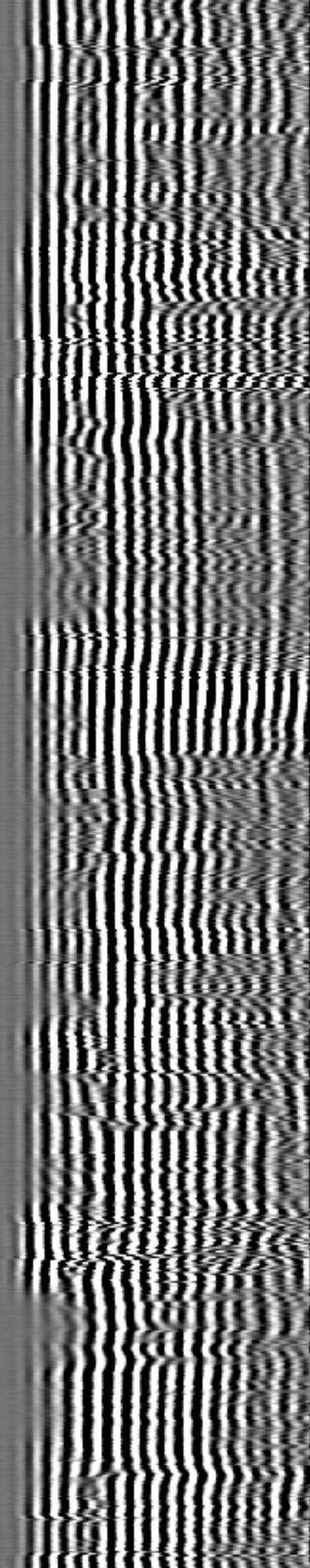
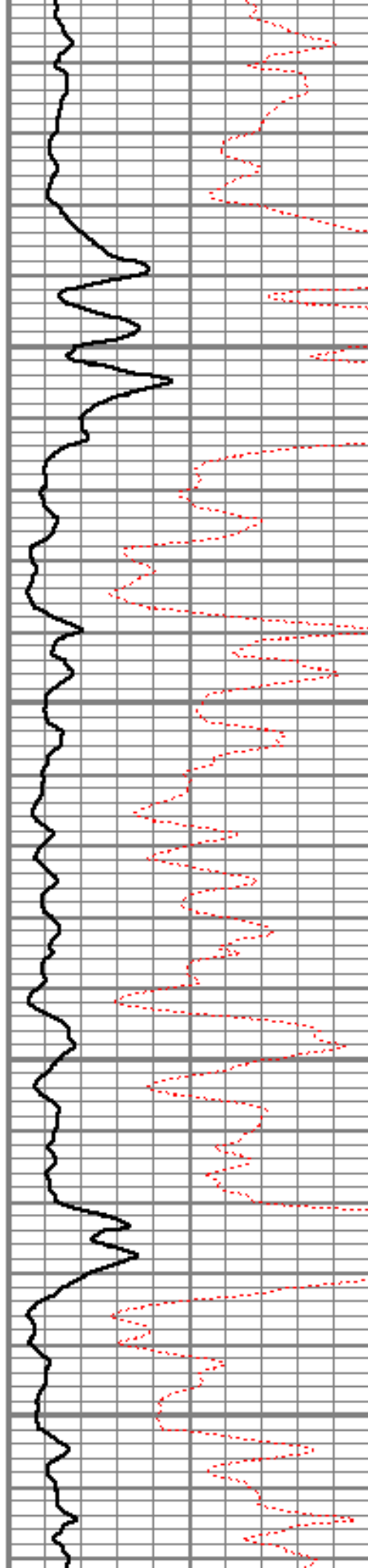


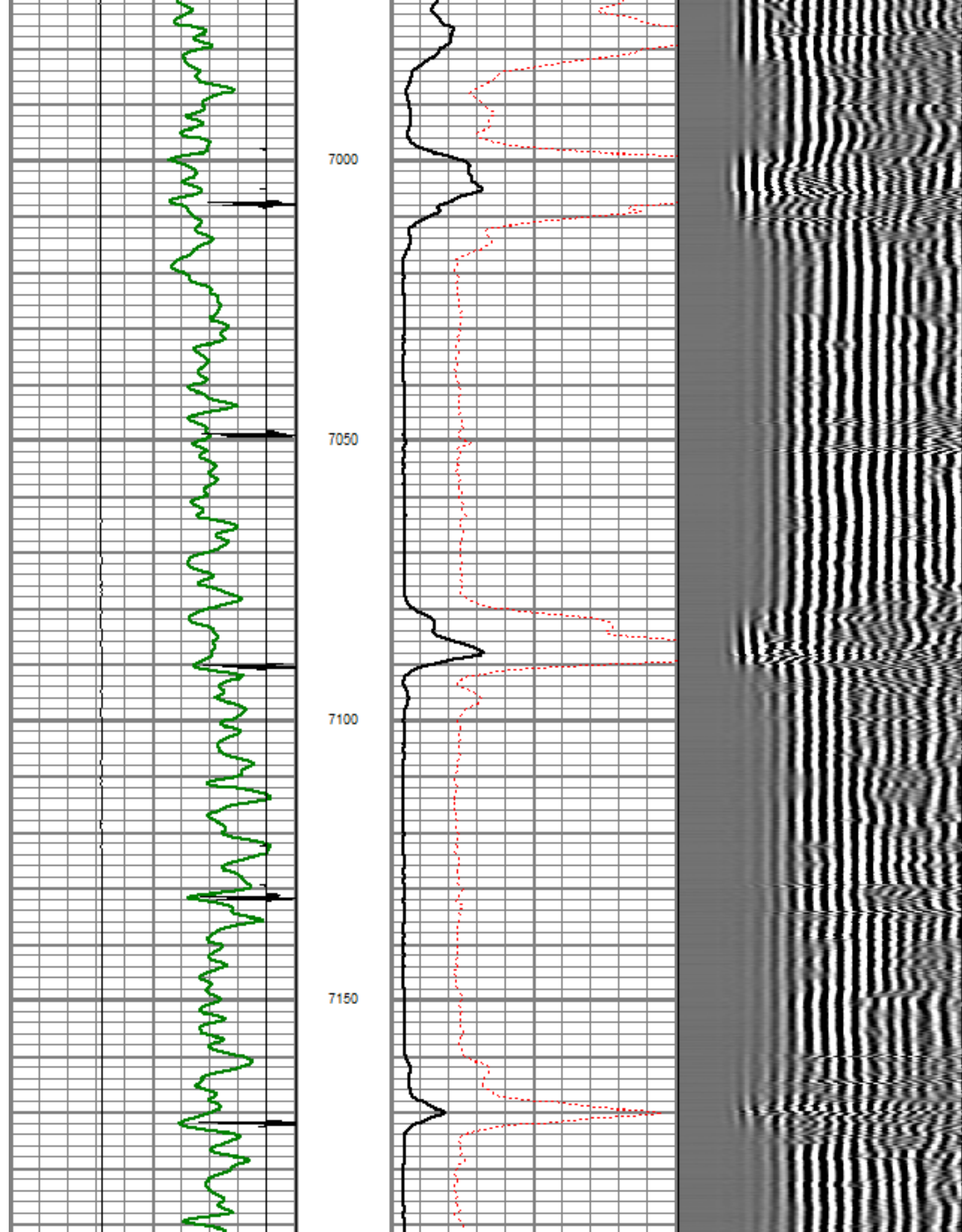
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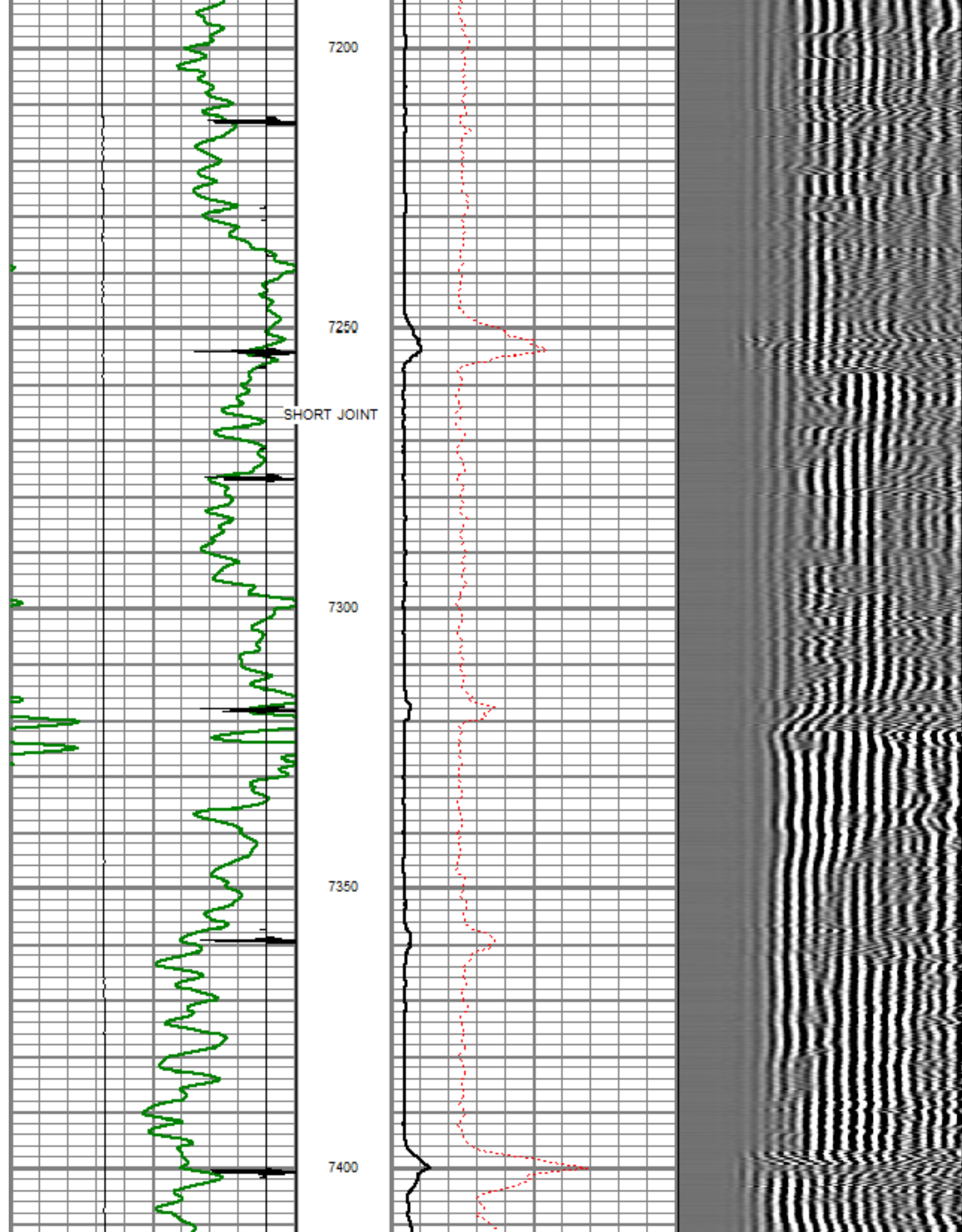
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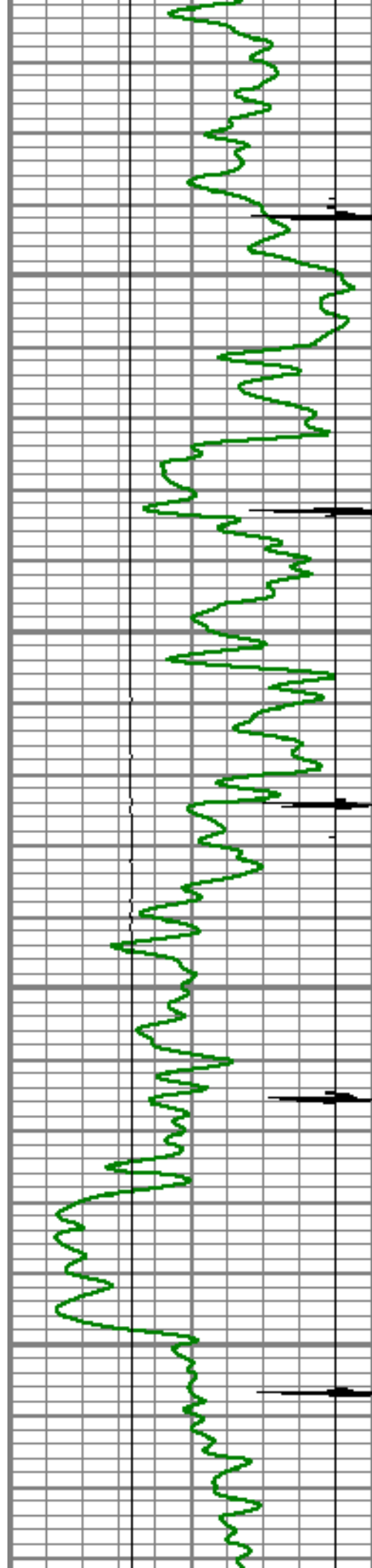
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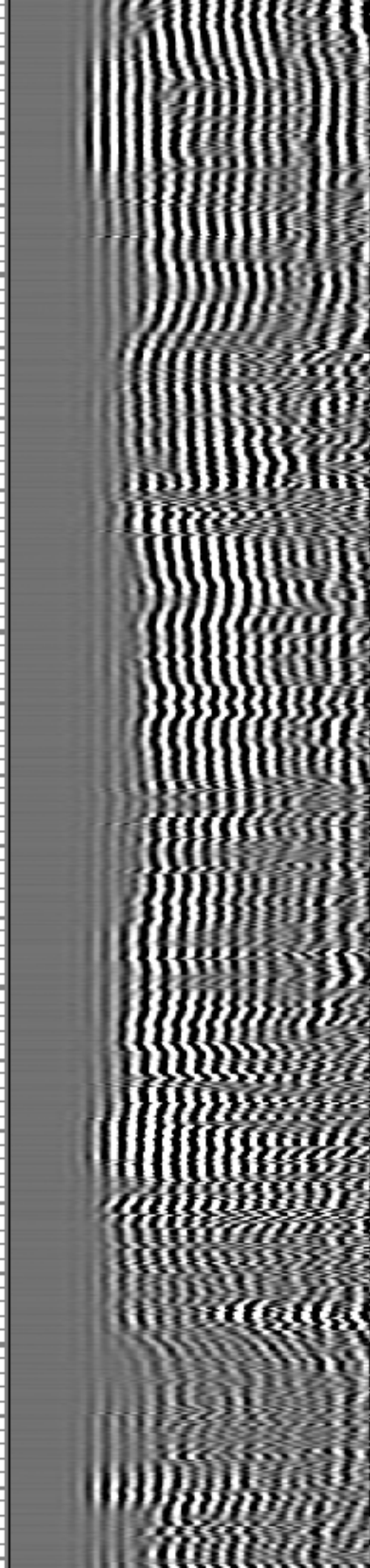
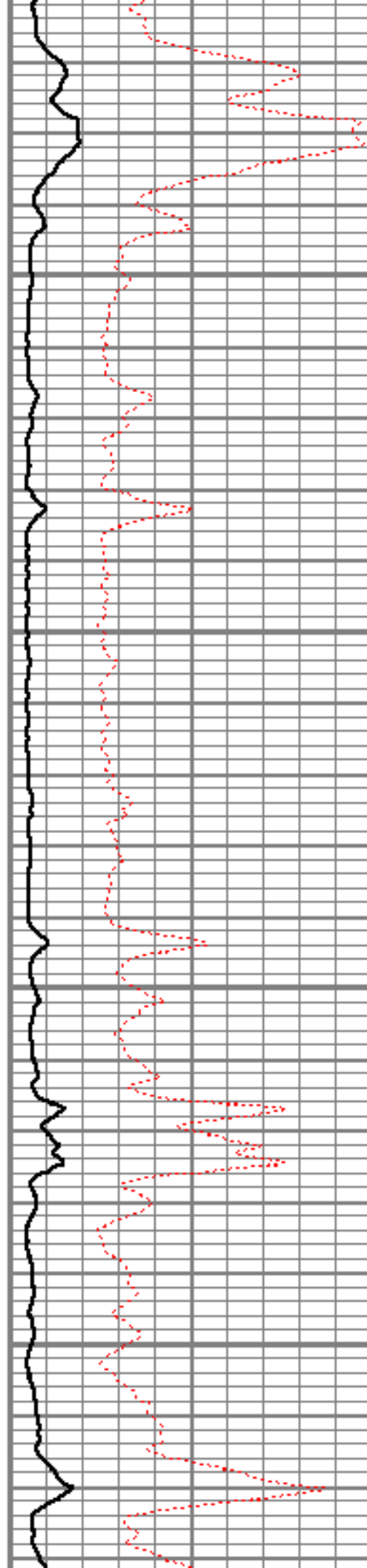


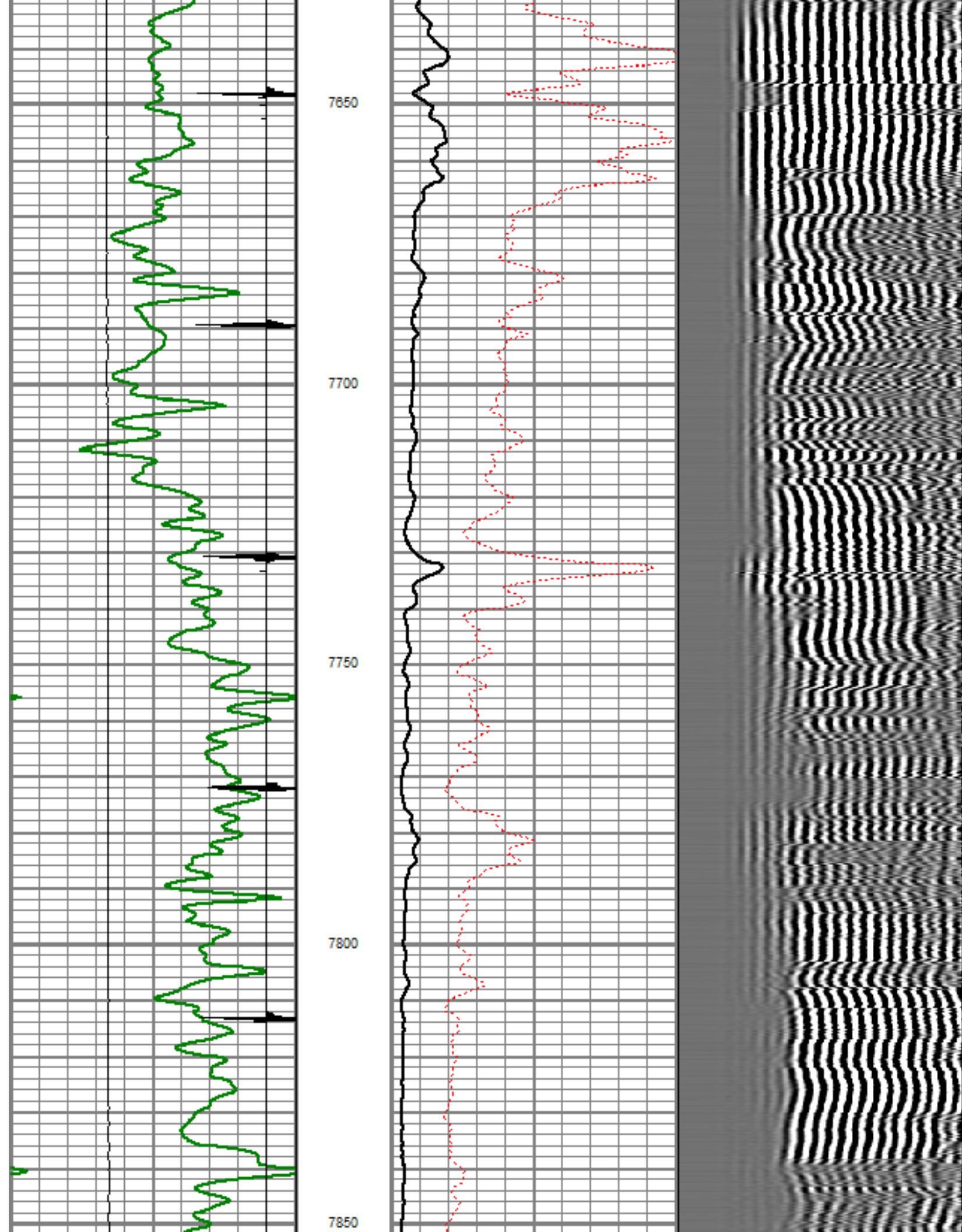
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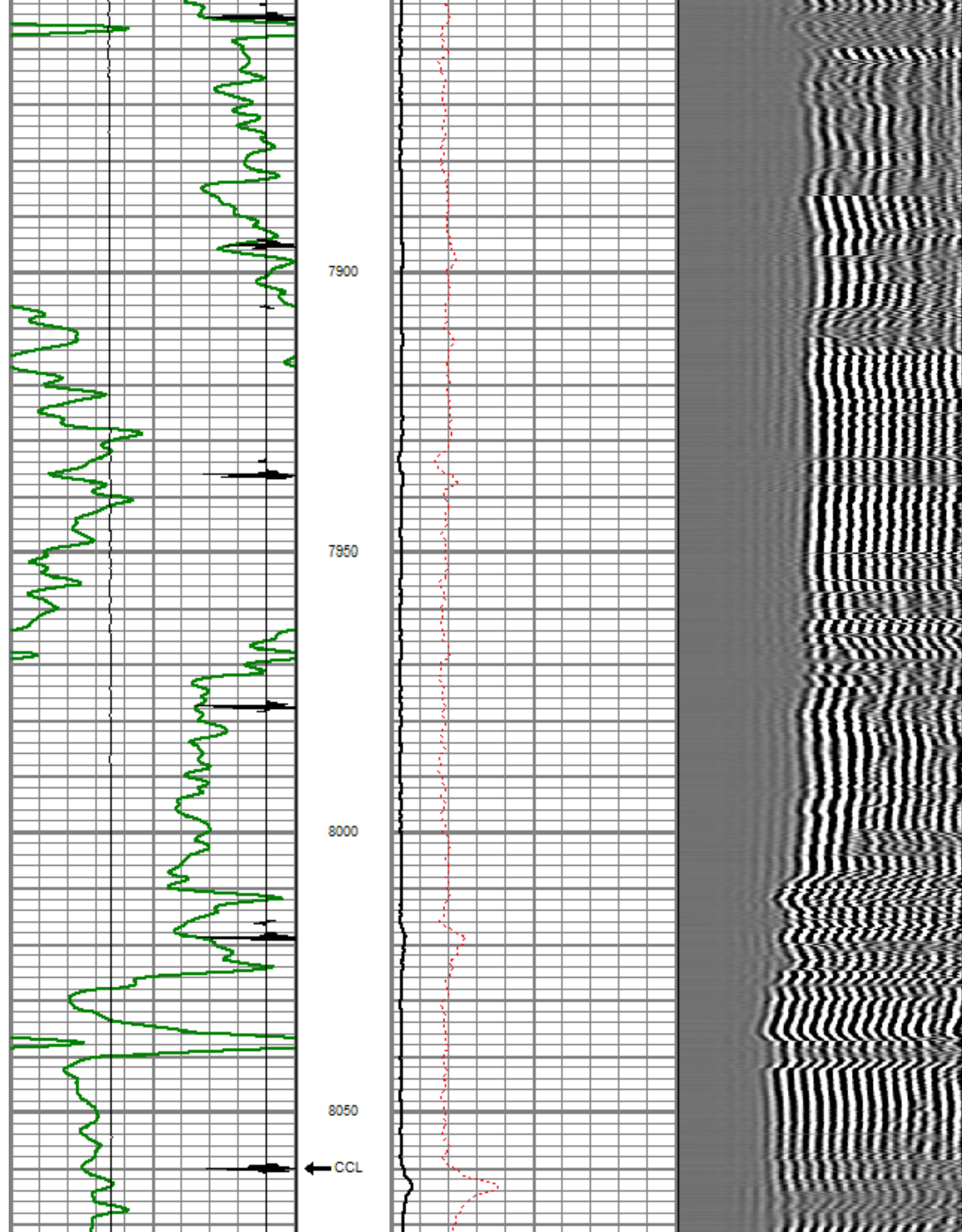
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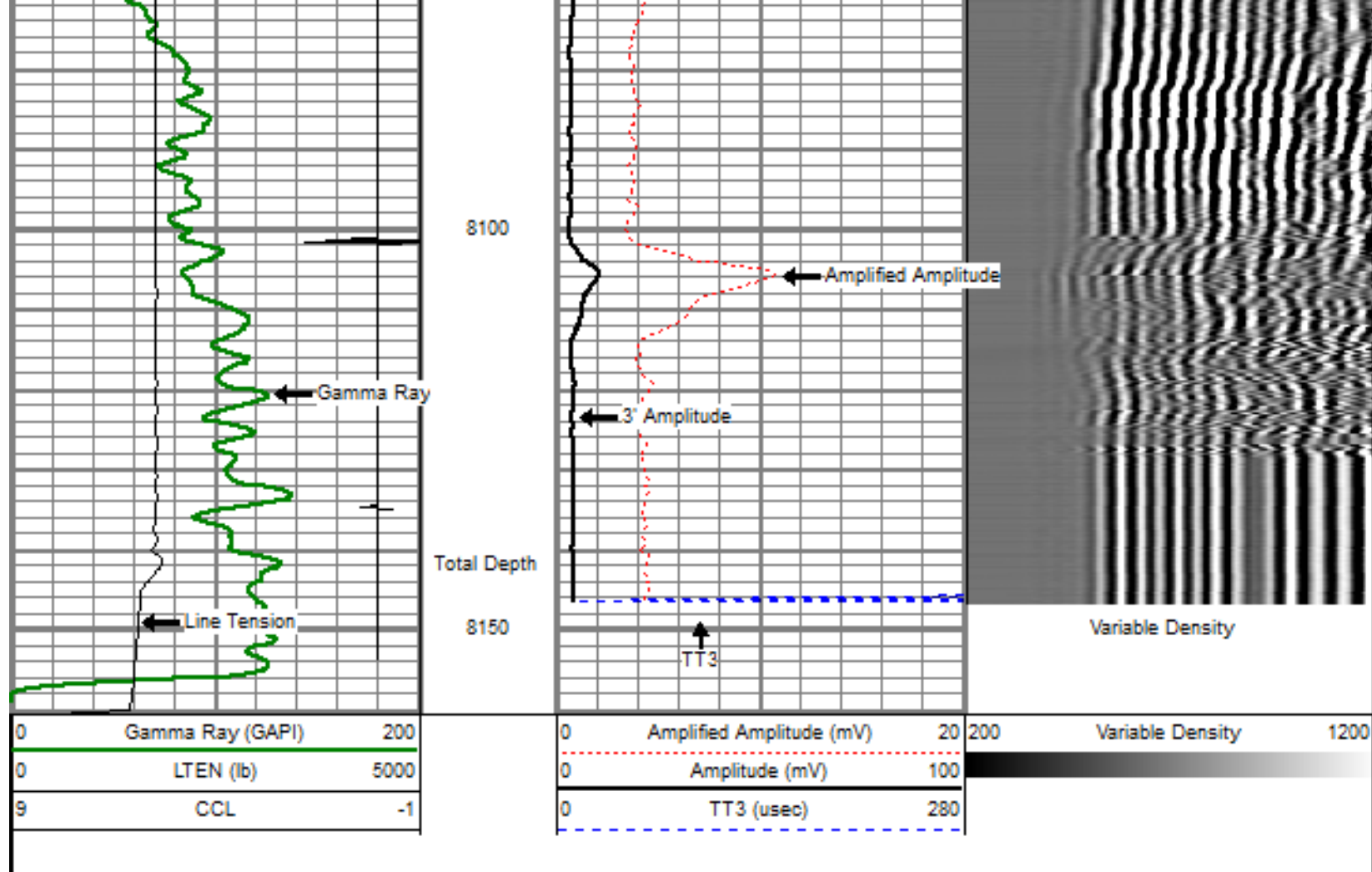
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