



**GAMMA RAY NEUTRON  
CEMENT BOND LOG**

Company SM OIL & GAS INC.  
Well FULSOM B 15-4  
Field LENITON  
County CHAUTAUQUA  
State KANSAS

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Field LENITON  
County CHAUTAUQUA State KANSAS

Location: API #: PERM  
SEC 17 TWP 33S RGE 10E  
Permanent Datum G.L. Elevation ----  
Log Measured From G.L.  
Drilling Measured From G.L.

Other Services  
**PERF**

|                        |             |
|------------------------|-------------|
| Date                   | 12/1/2016   |
| Run Number             | ONE         |
| Depth Driller          | 1580'       |
| Depth Logger           | 1582'       |
| Bottom Logged Interval | 1580'       |
| Top Log Interval       | 0'          |
| Open Hole Size         | ----        |
| Type Fluid             | WATER       |
| Density / Viscosity    | ----        |
| Max. Recorded Temp.    | ----        |
| Estimated Cement Top   | 0'          |
| Time Well Ready        | ----        |
| Time Logger on Bottom  | ----        |
| Equipment Number       | 112         |
| Location               | SKIATOOK    |
| Recorded By            | E.PURYEAR   |
| Witnessed By           | MR. J.POTTS |

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

|                   |      |        |         |        |
|-------------------|------|--------|---------|--------|
| Casing Record     | Size | Wgt/Ft | Top     | Bottom |
| Surface String    |      |        |         |        |
| Prot. String      |      |        |         |        |
| Production String | 4.5" |        | SURFACE | T.D.   |
| Liner             |      |        |         |        |

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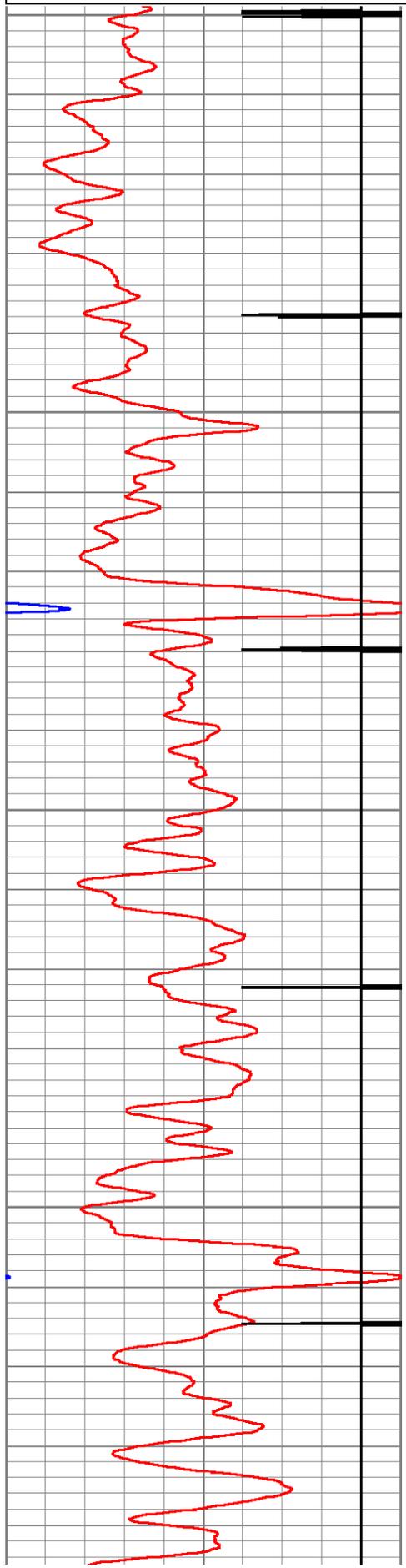
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

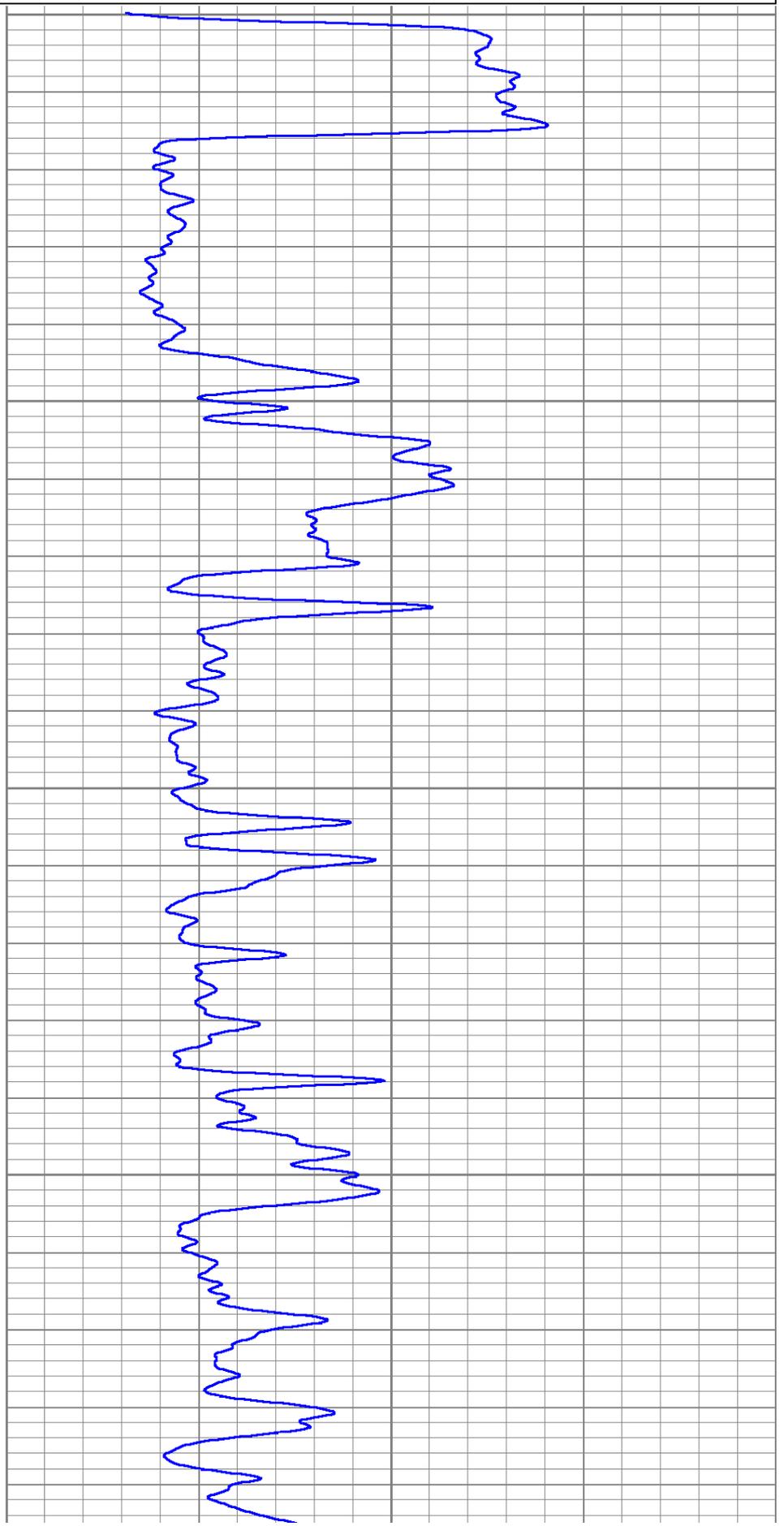
LOG MEASURED FROM GROUND LEVEL

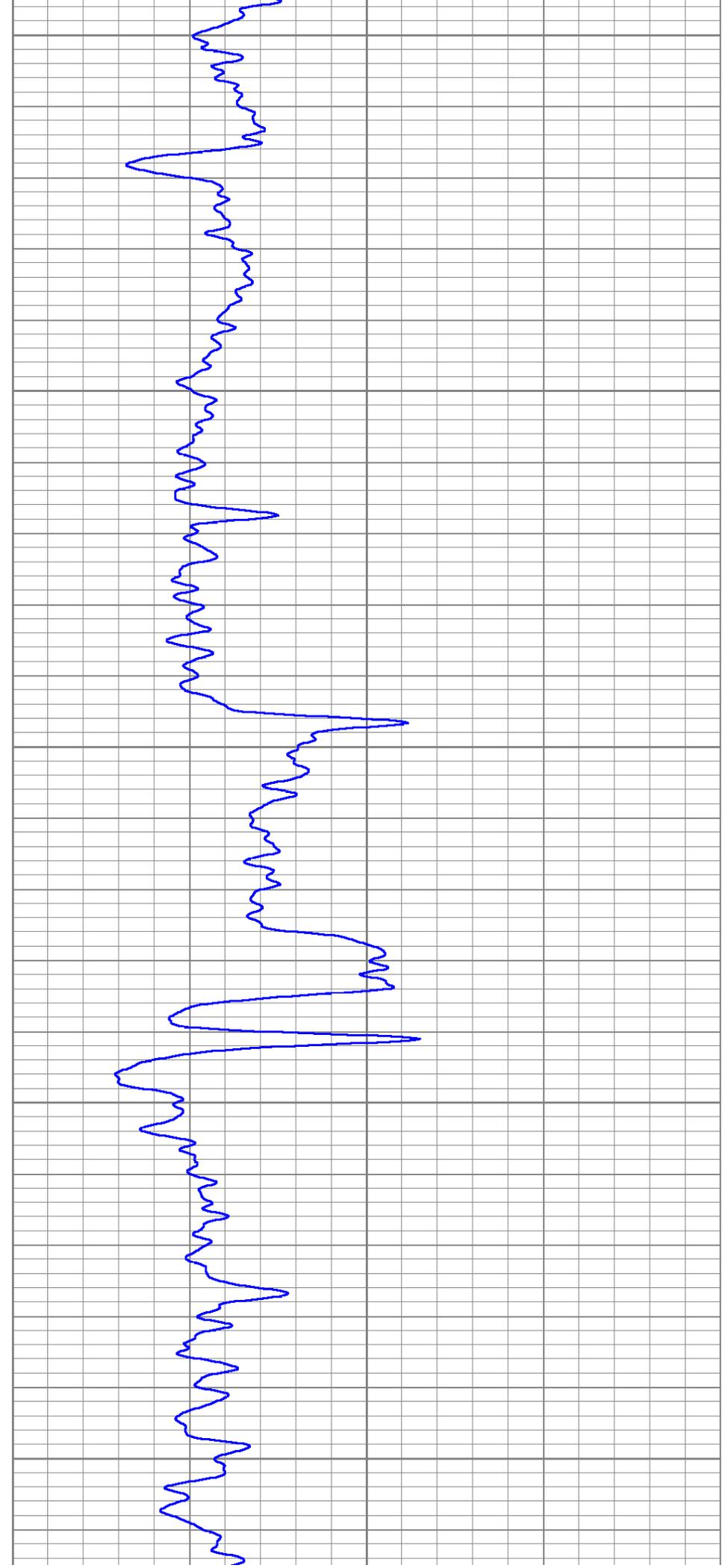
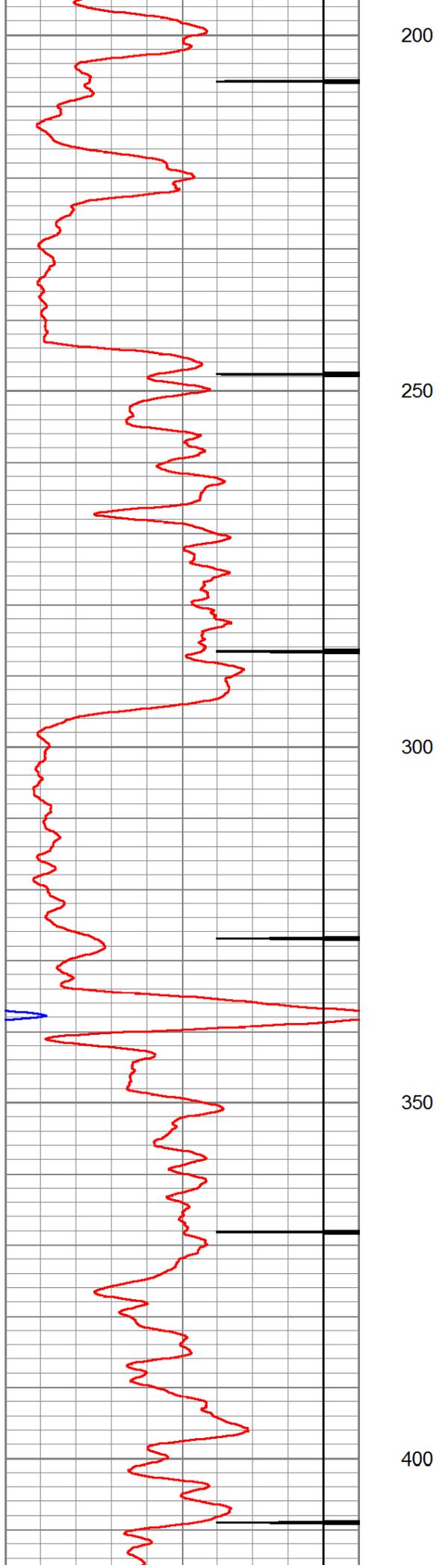
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|-----|-----------|-----|
| 0   | GR (GAPI) | 150 |
| 150 | GR (GAPI) | 300 |
| -9  | CCL       | 1   |

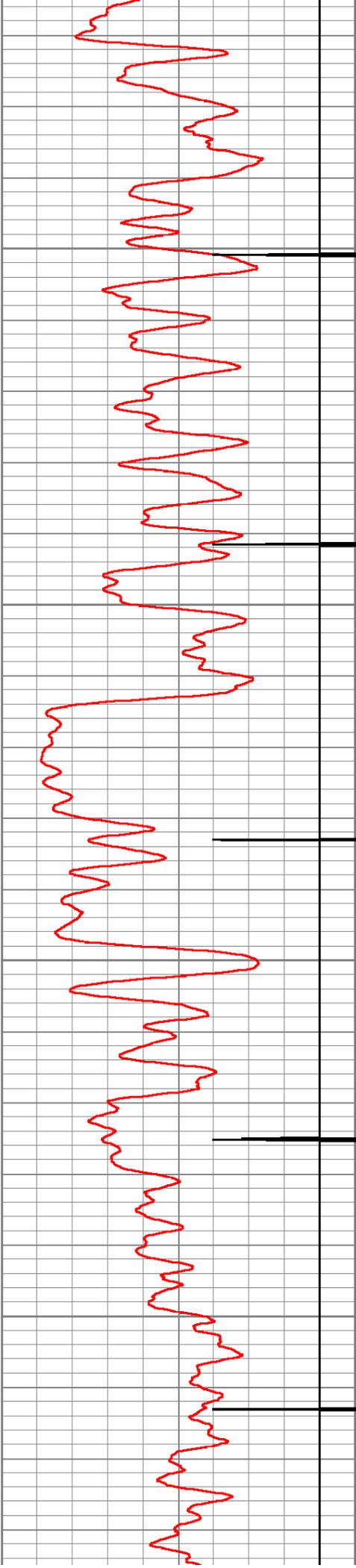
|   |            |      |
|---|------------|------|
| 0 | NEU (NAPI) | 1500 |
|---|------------|------|



0  
50  
100  
150





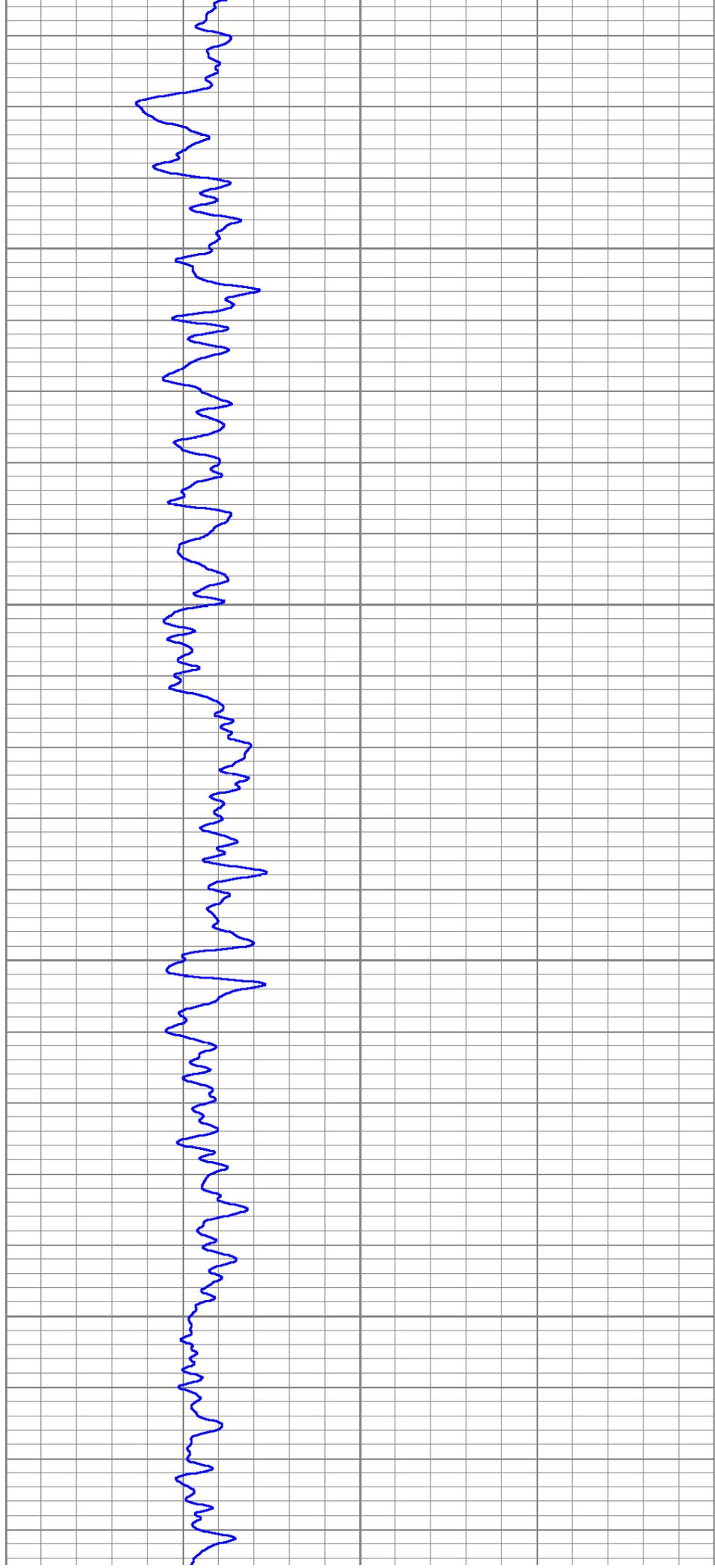


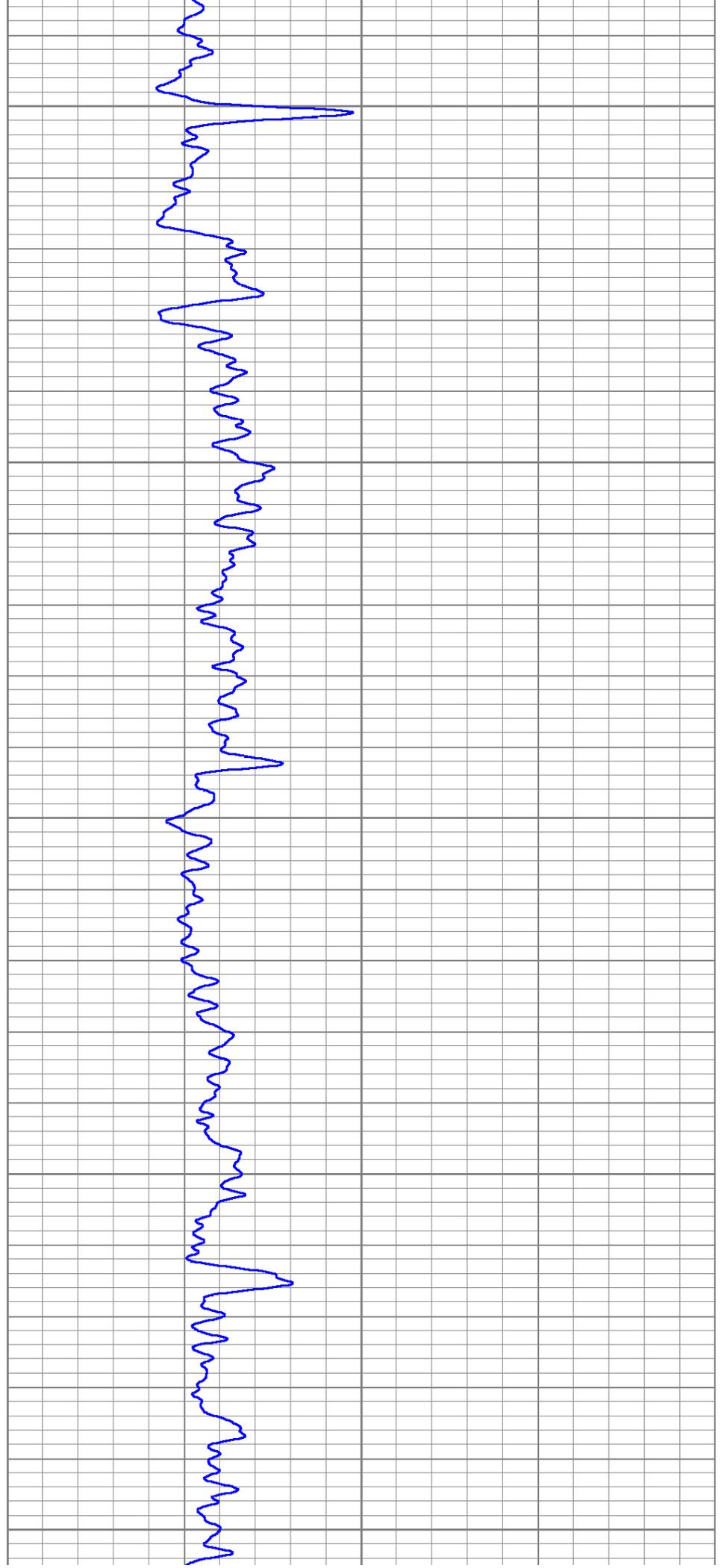
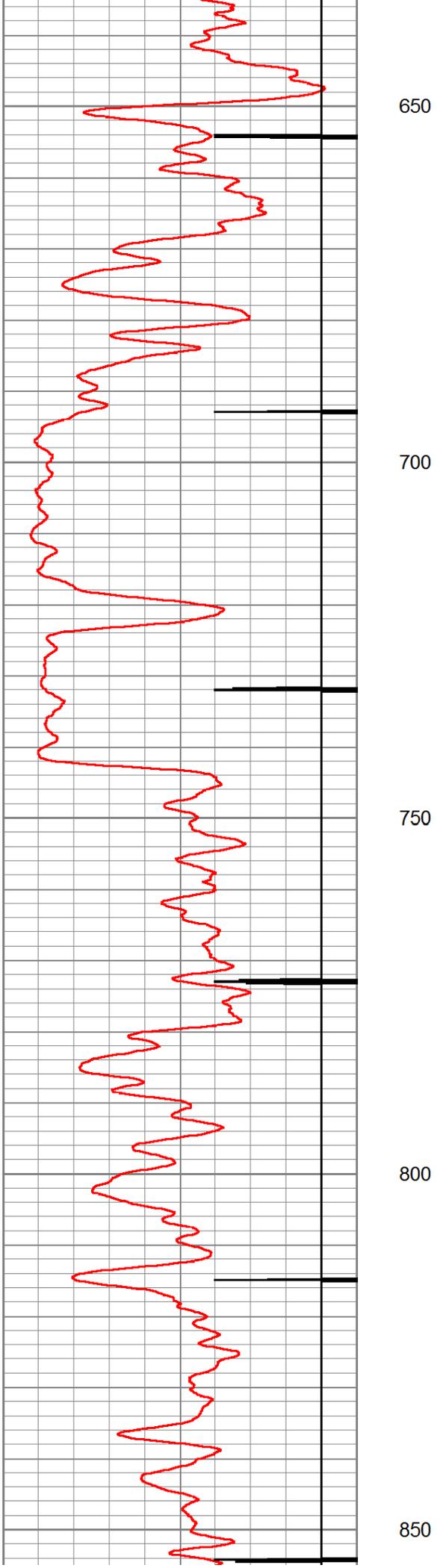
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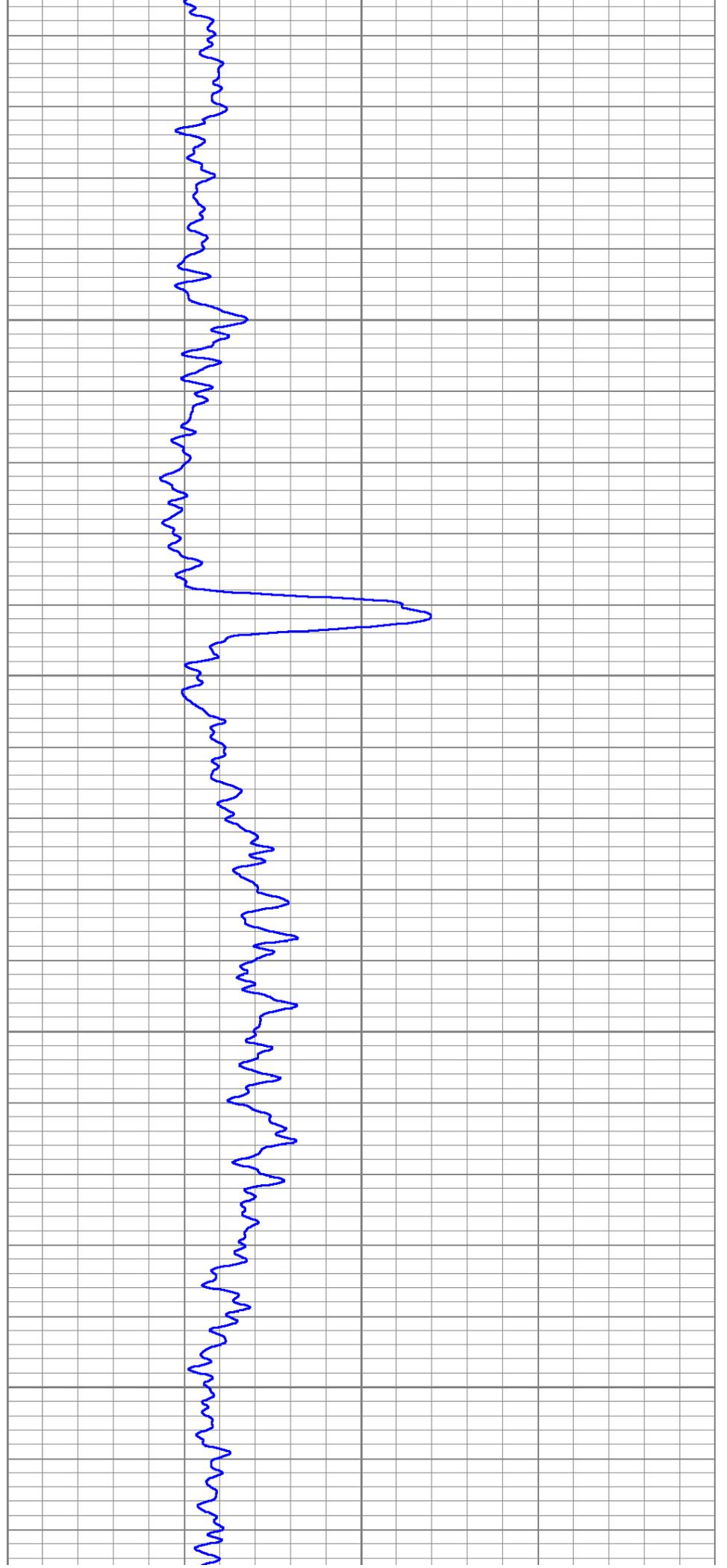
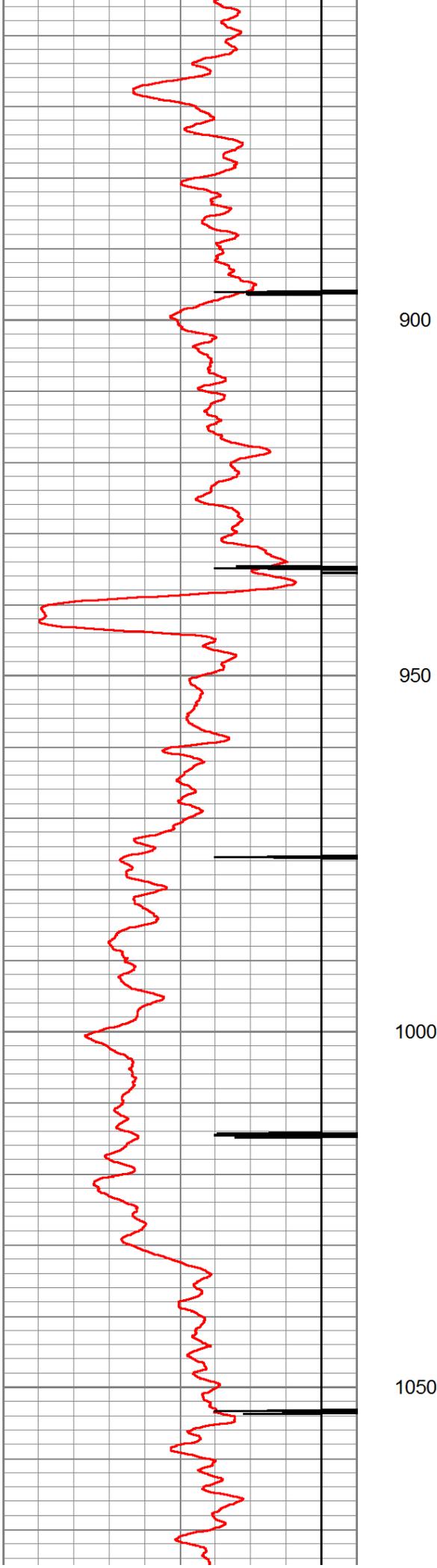
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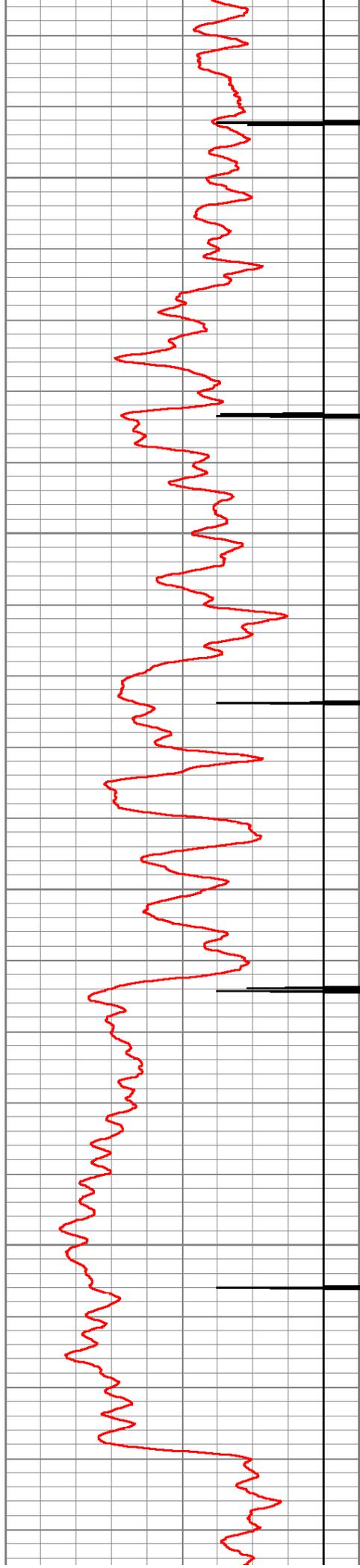
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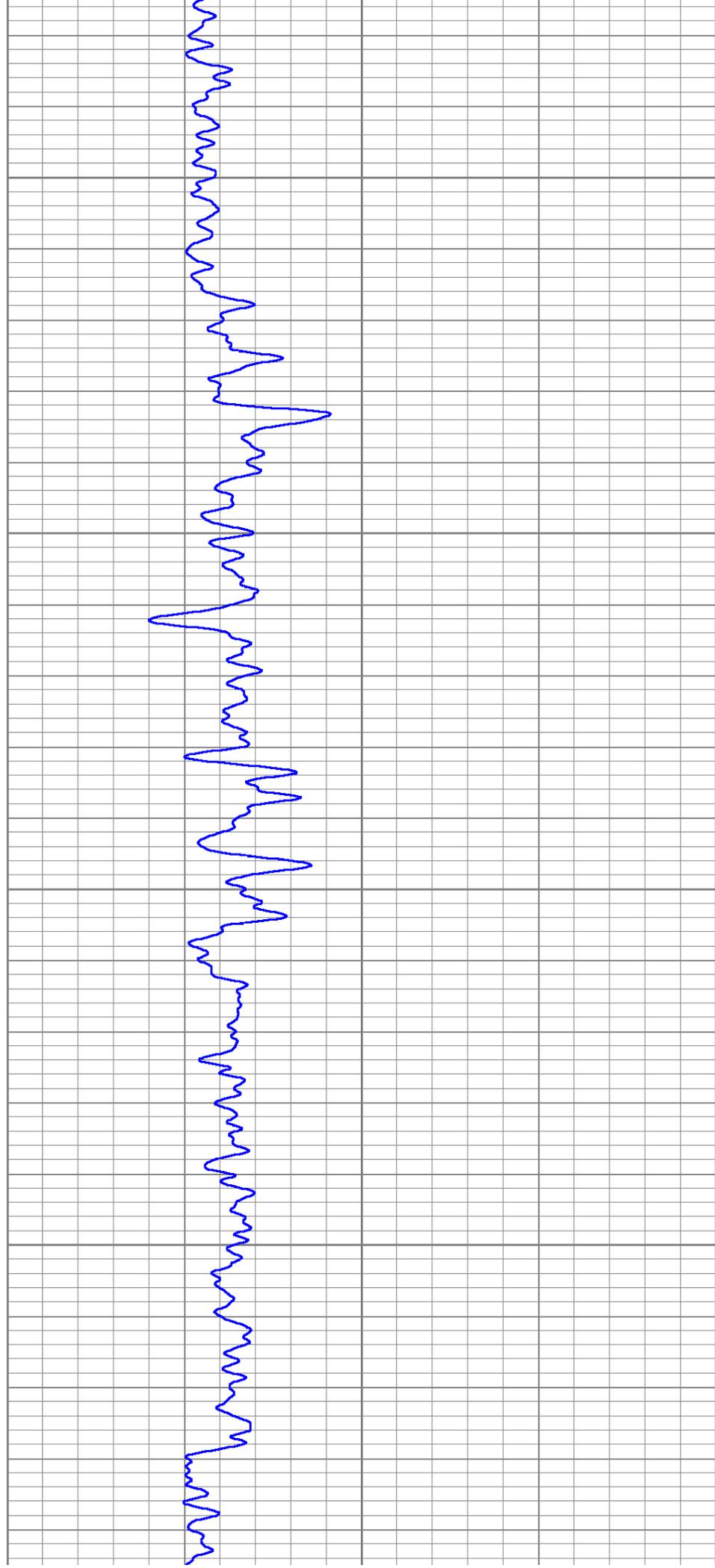


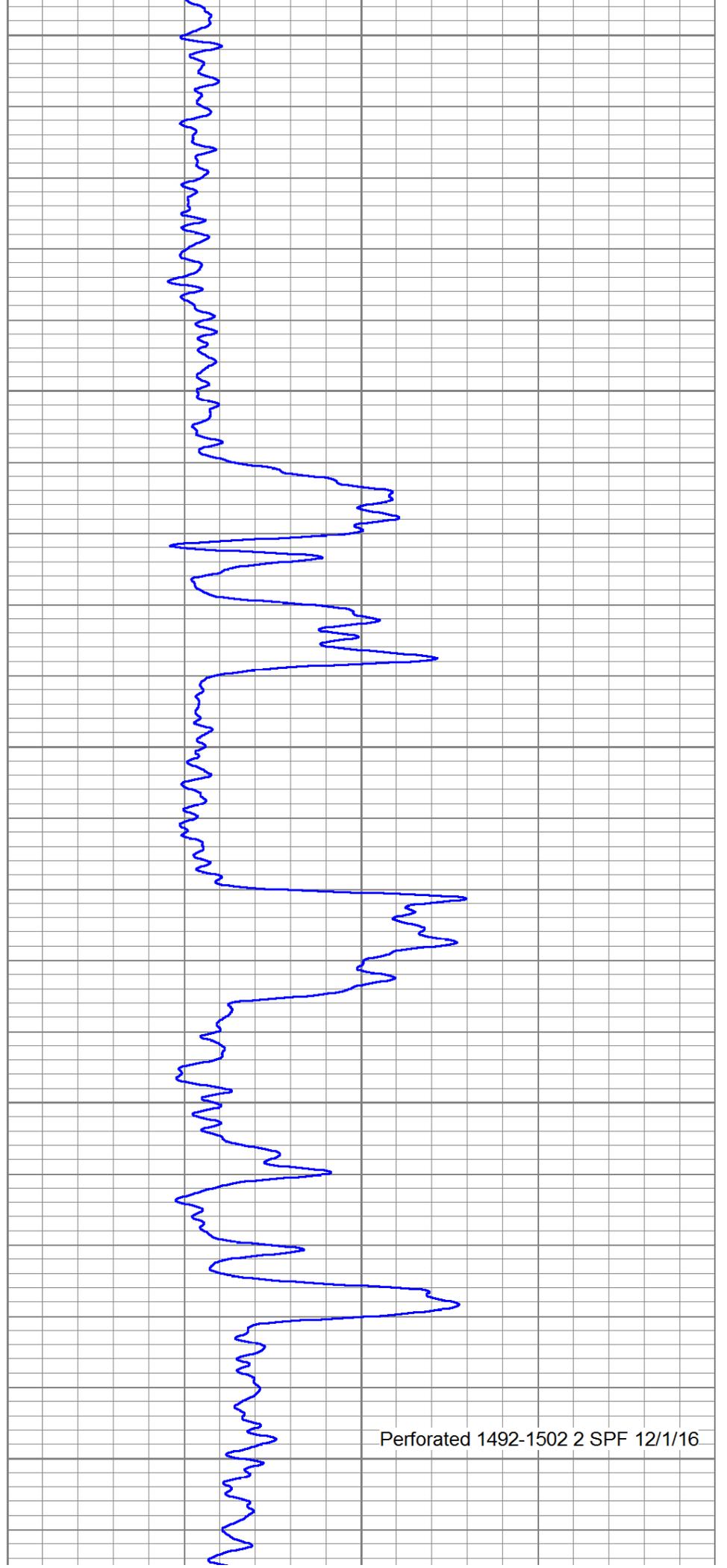
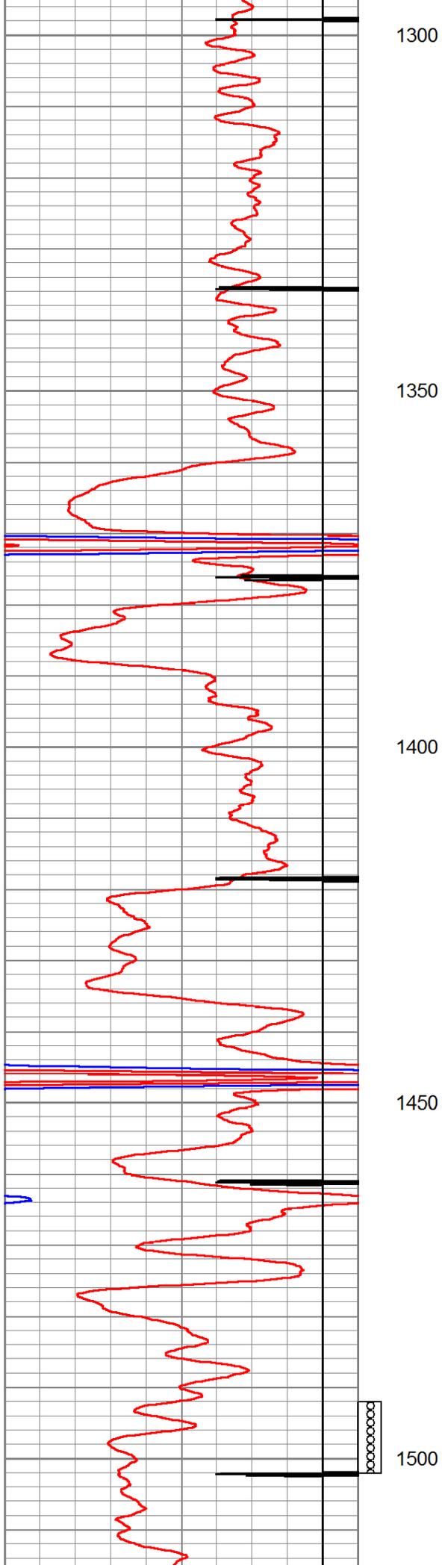
1100

1150

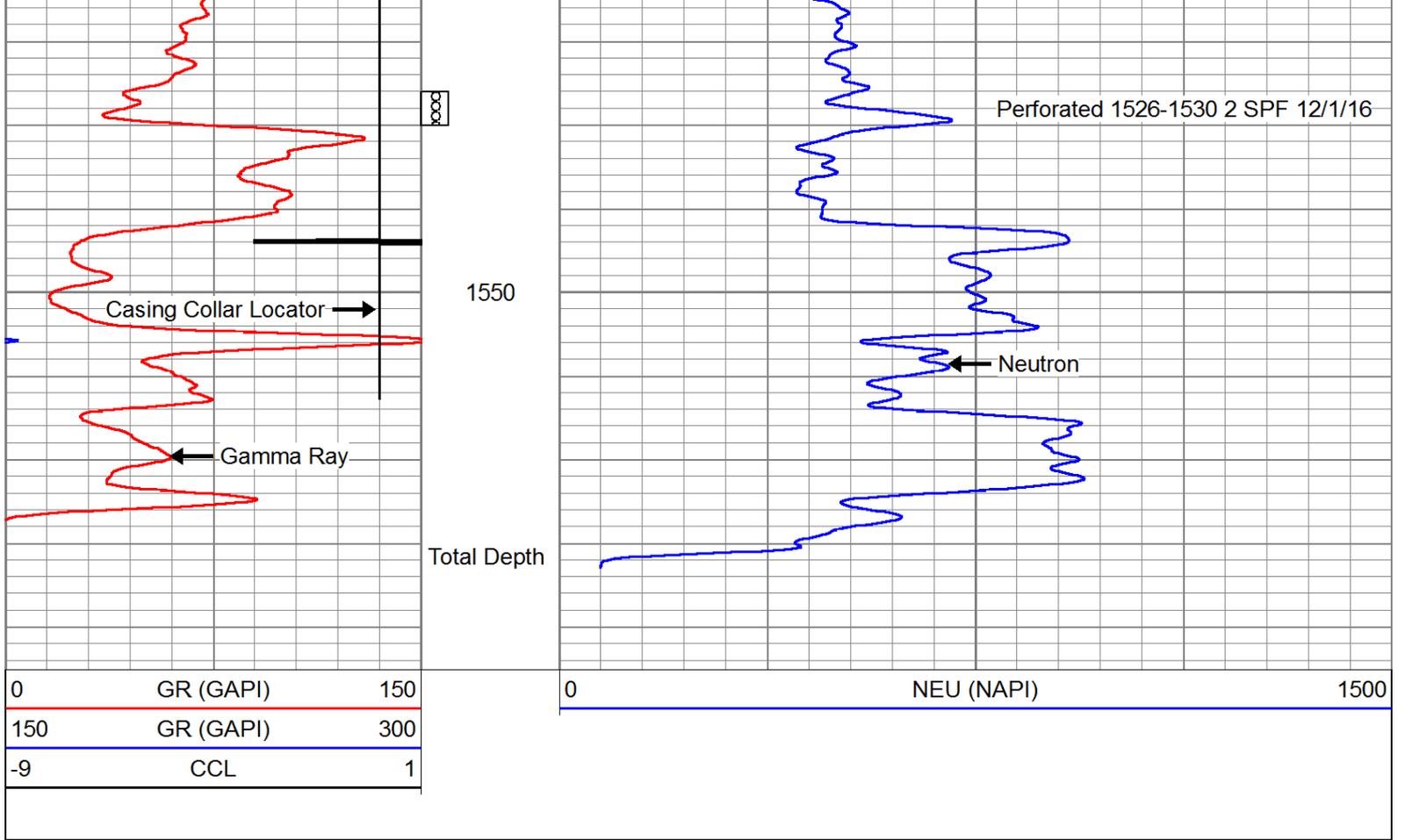
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1250



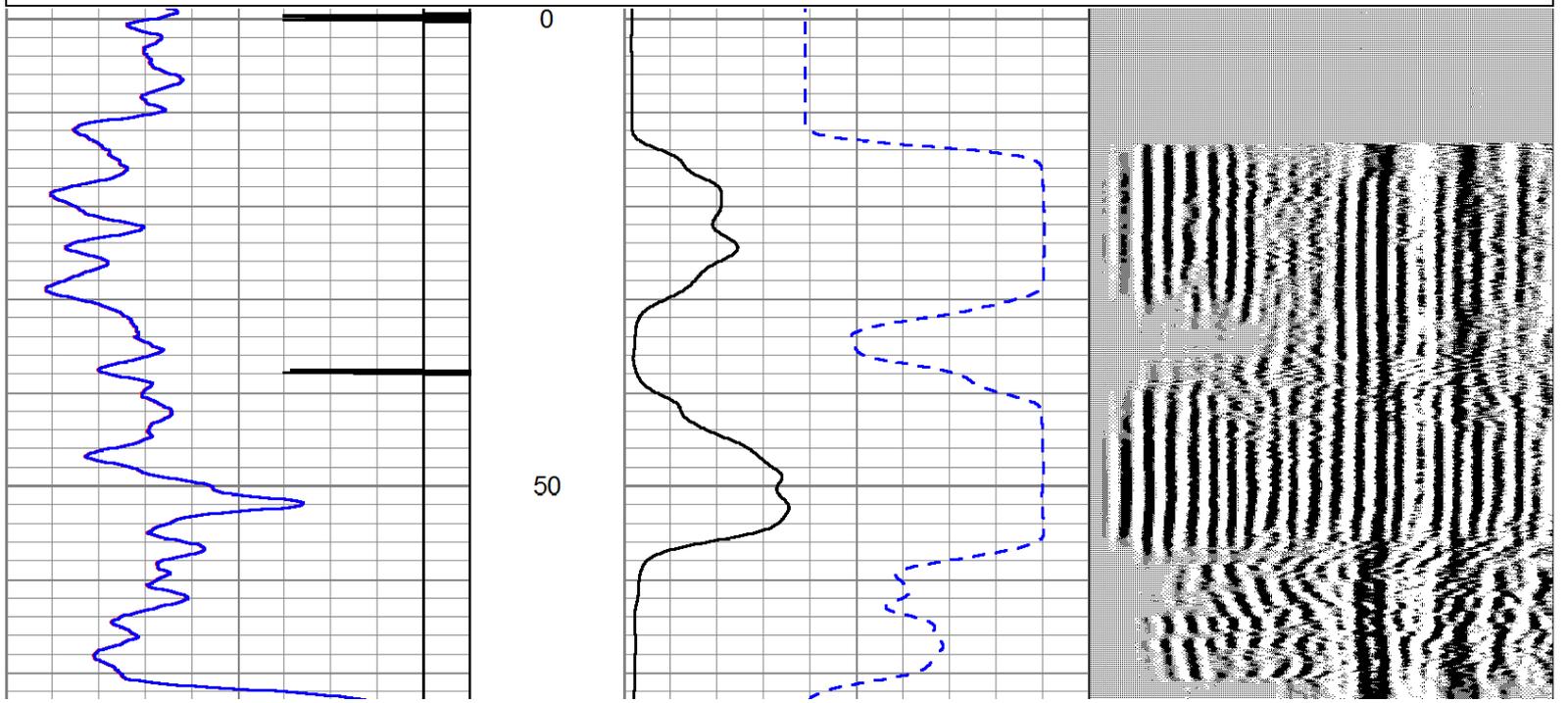


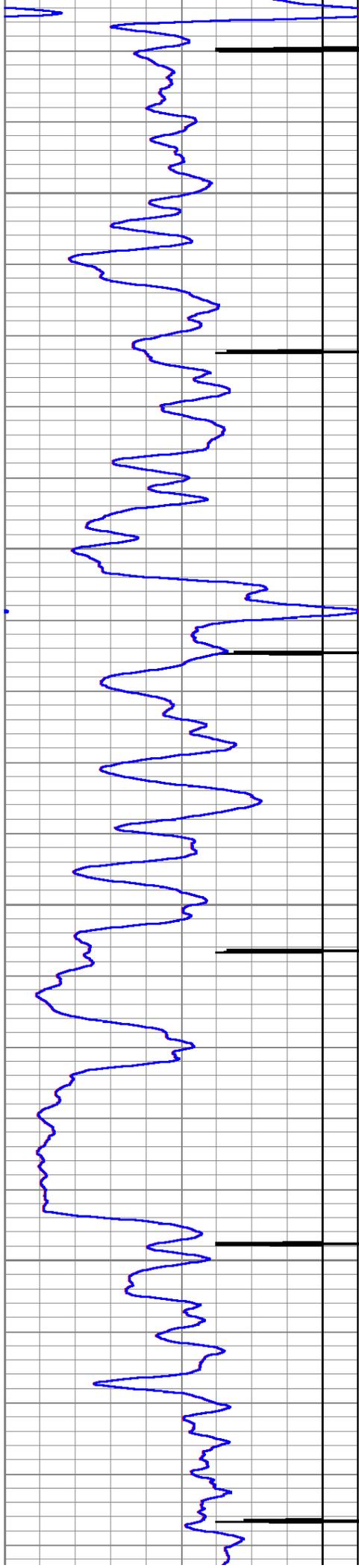
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 Presentation Format: cbl01  
 Dataset Creation: Thu Dec 01 09:20:24 2016 by Calc 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

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|-----|------------------|-----|-----|--------------------|-----|-----|------|------|
| 9   | Collar Locator   | -1  | 0   | Amplitude (mV)     | 100 | 200 | CBL3 | 1200 |
| 0   | Gamma Ray (GAPI) | 150 | 600 | Travel Time (usec) | 200 |     |      |      |
| 150 | GR (GAPI)        | 300 |     |                    |     |     |      |      |



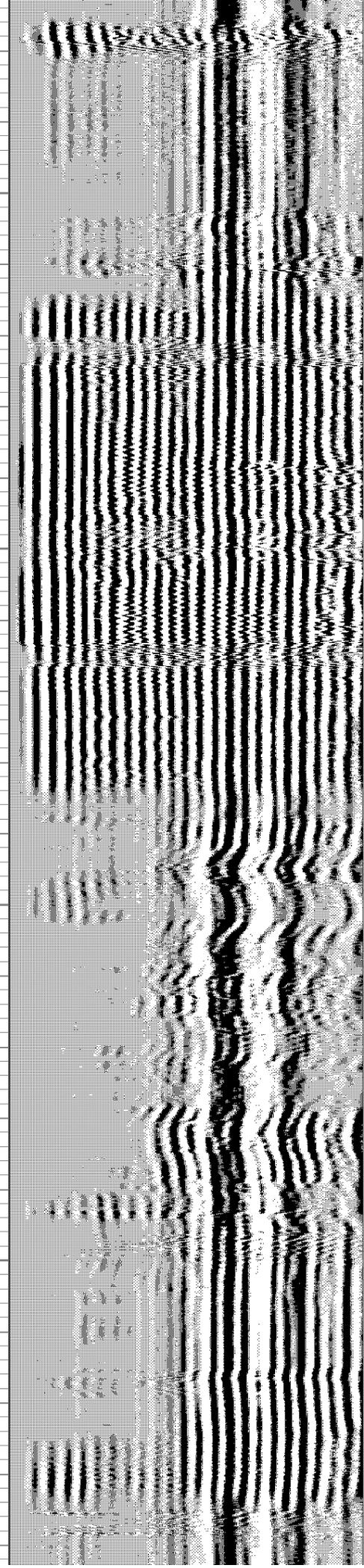
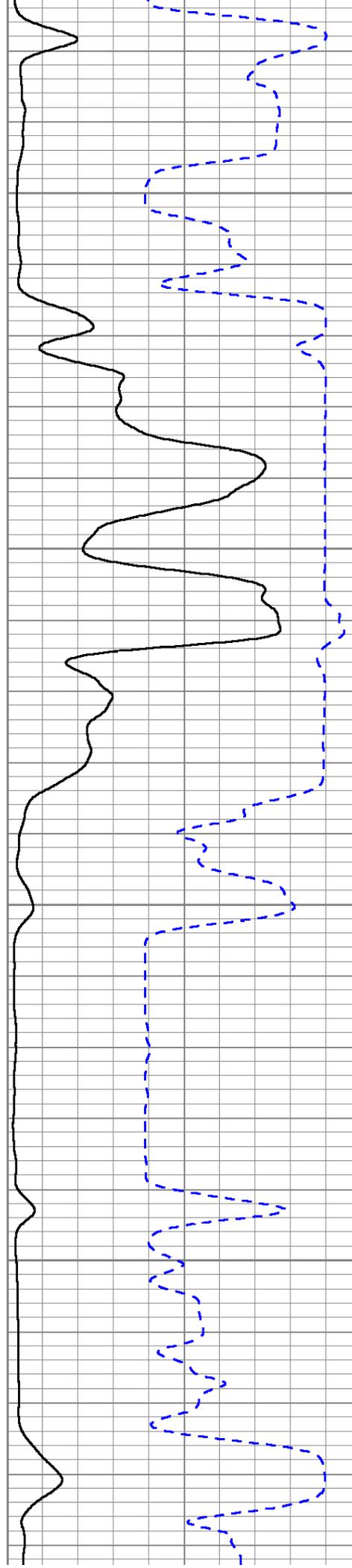


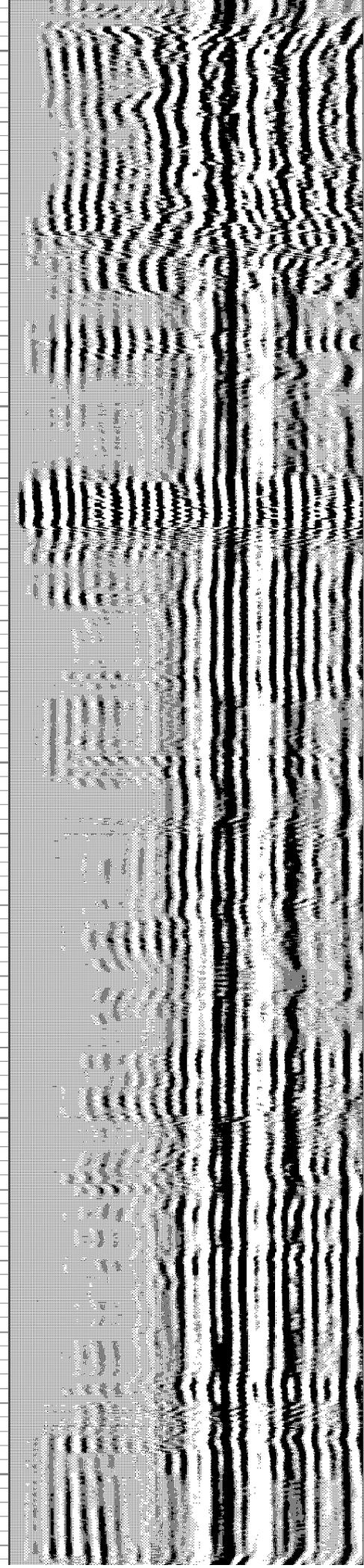
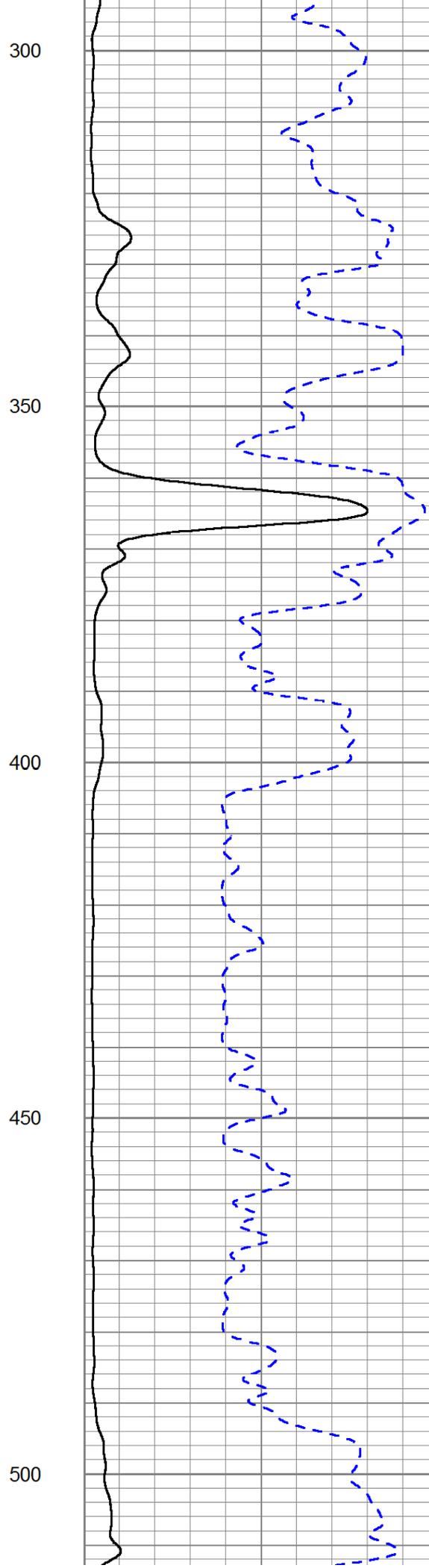
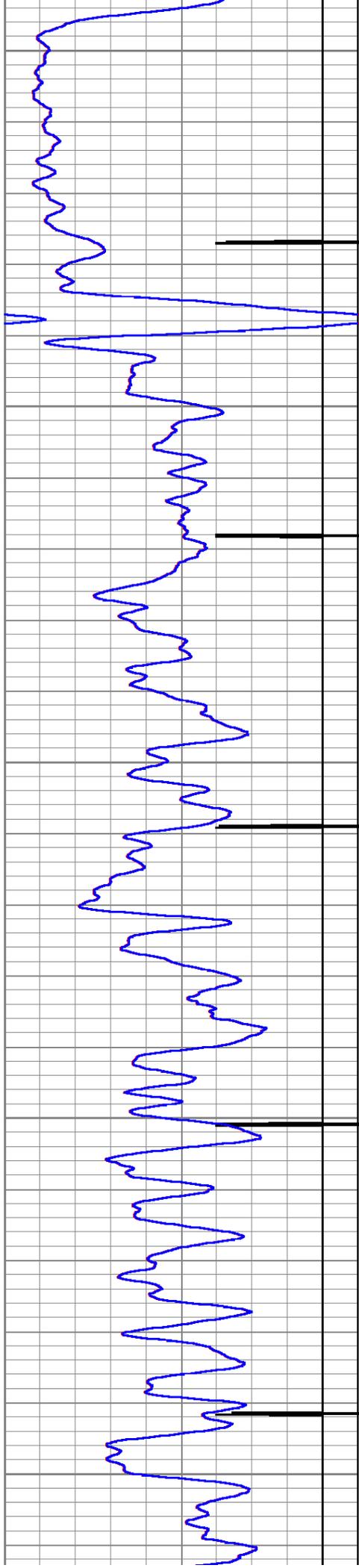
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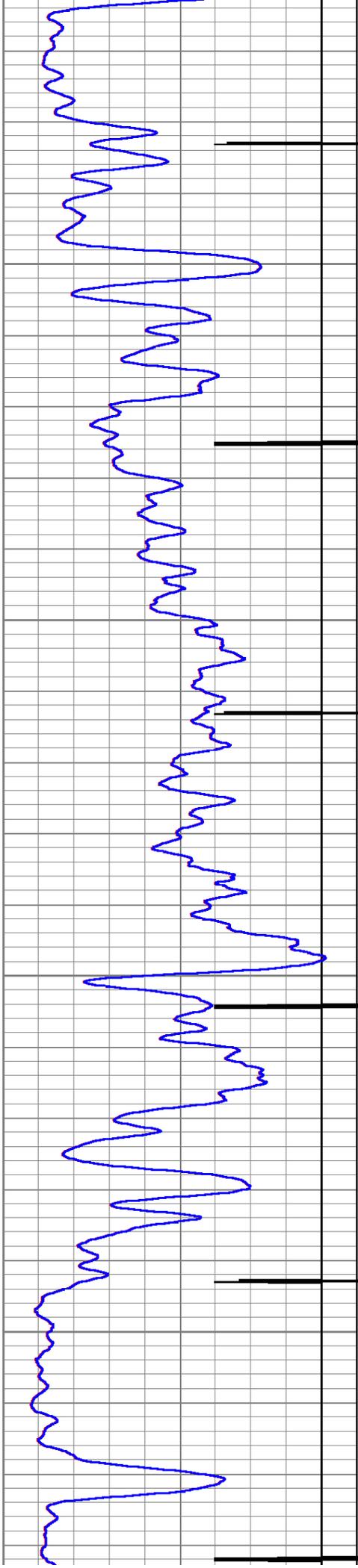
150

200

250





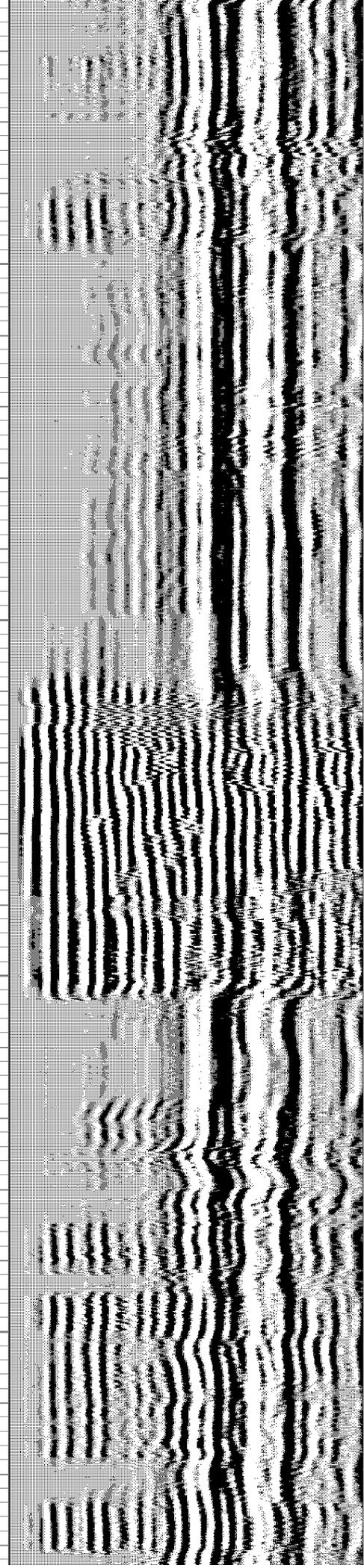
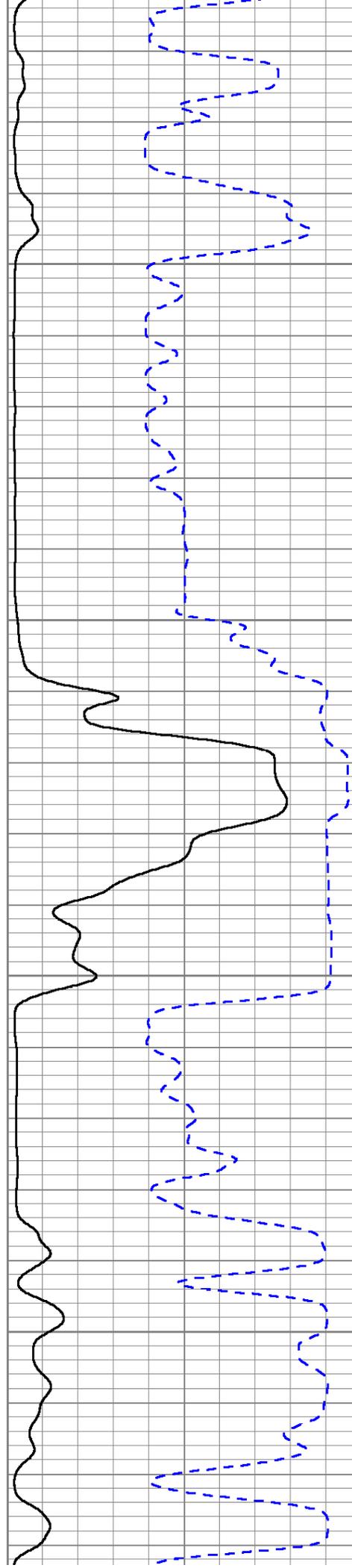


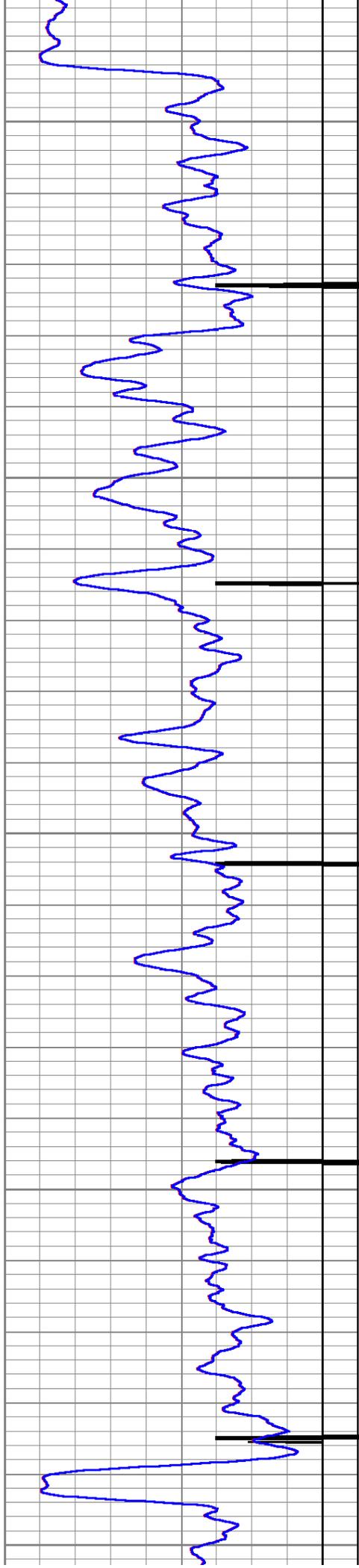
550

600

650

700





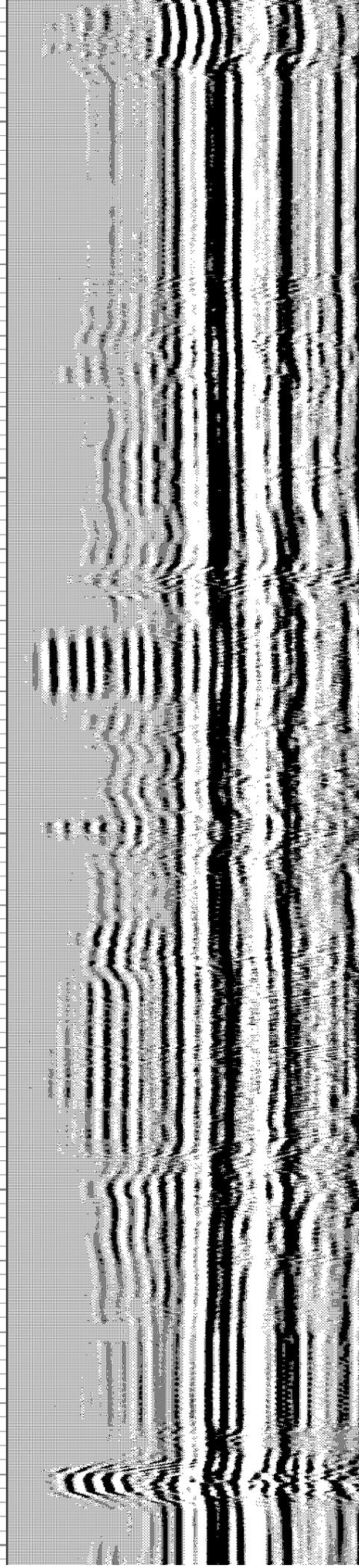
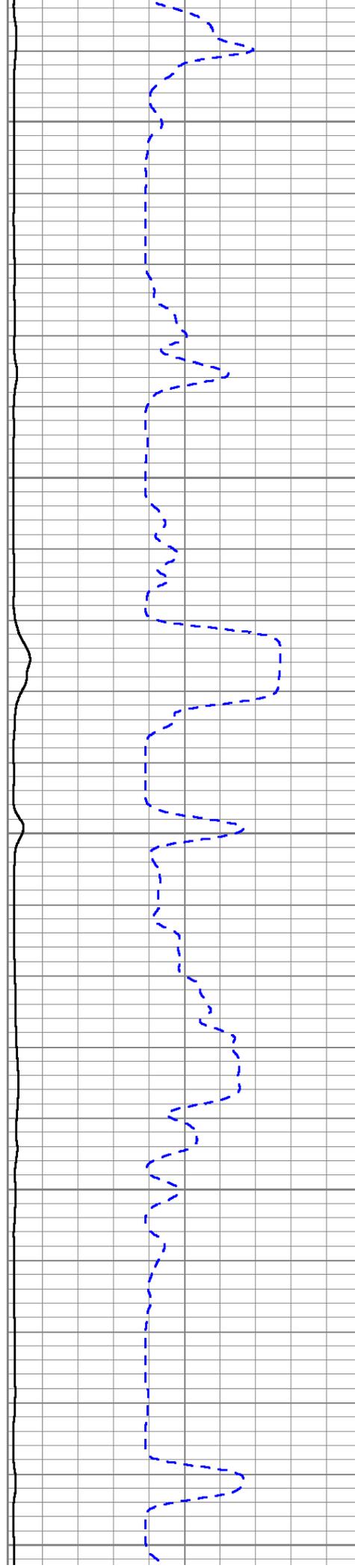
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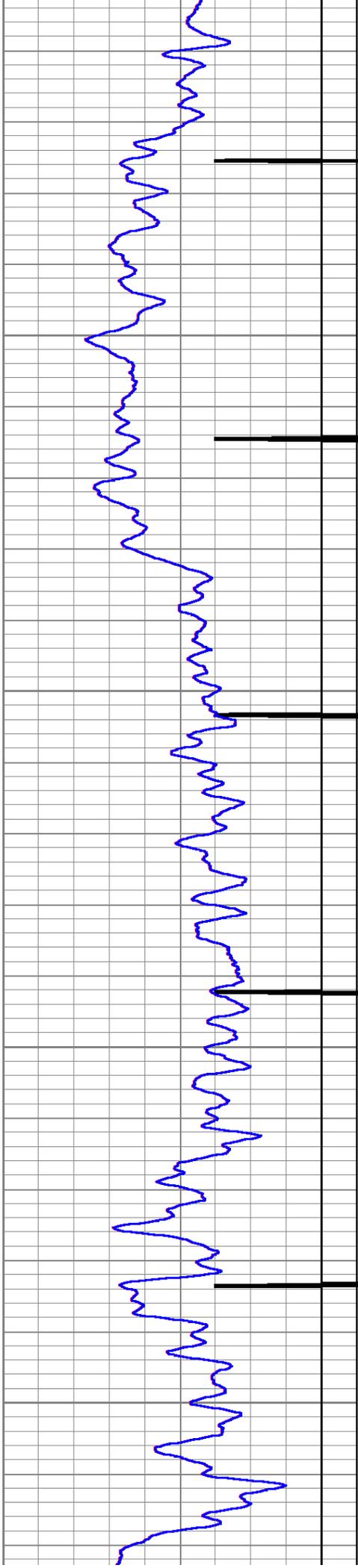
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850

900

950



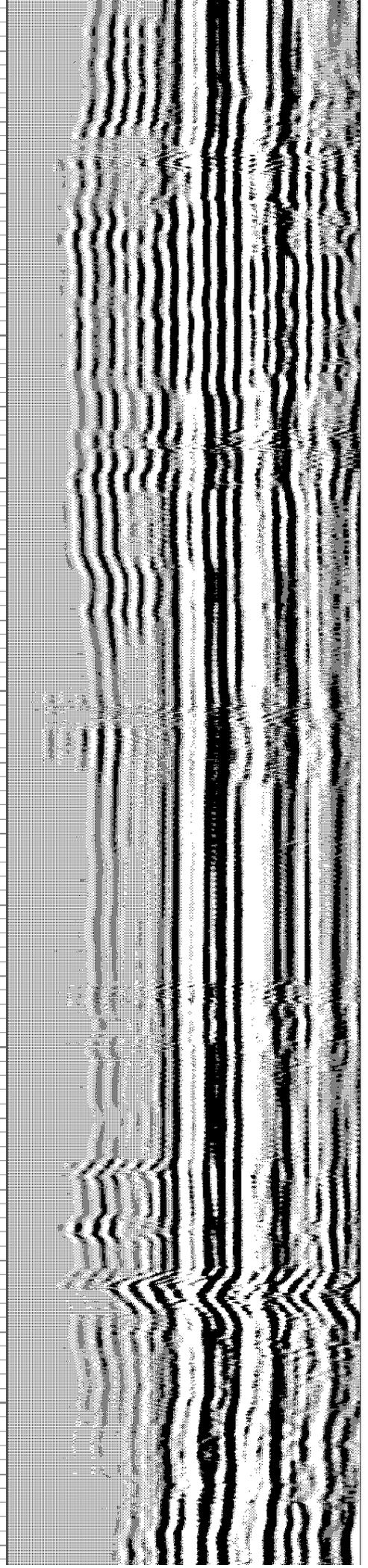
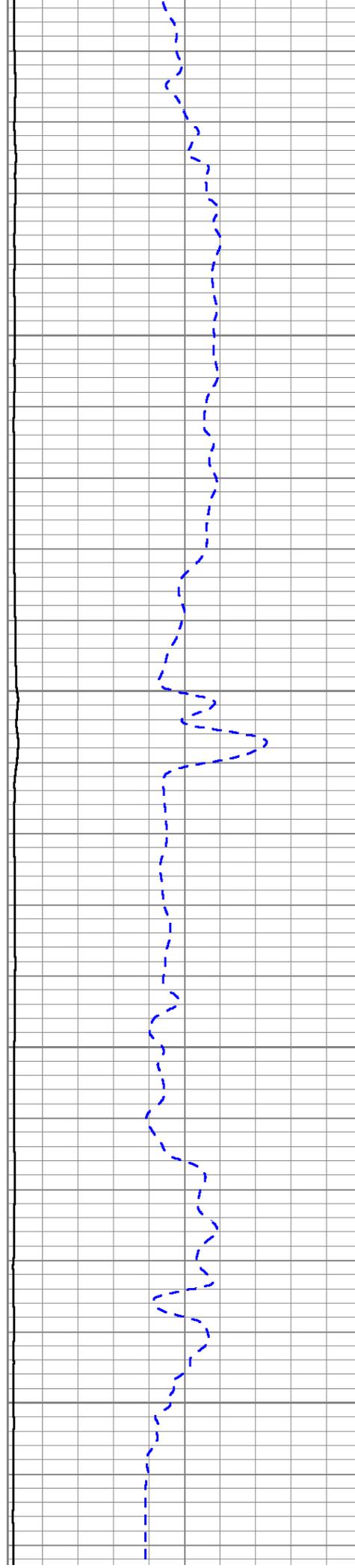


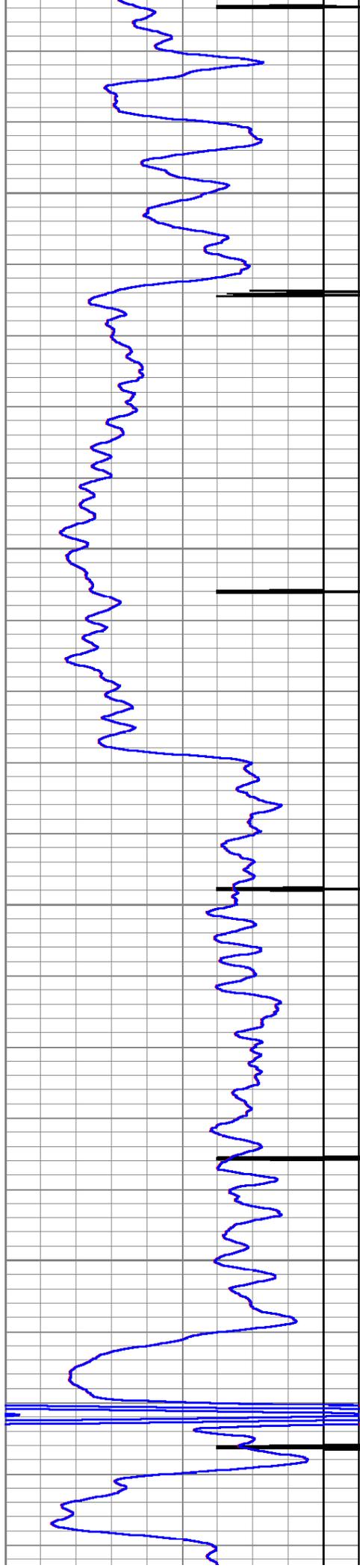
1000

1050

1100

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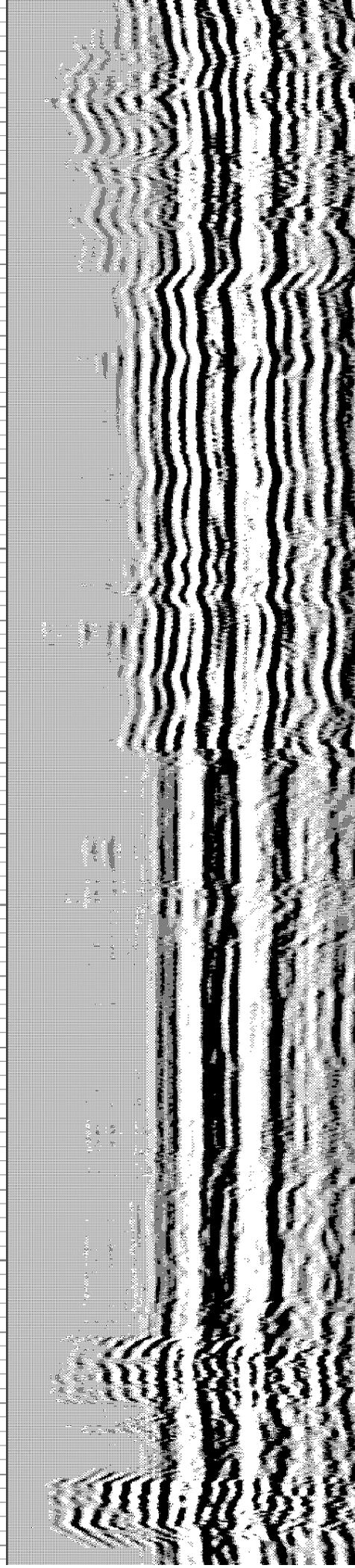
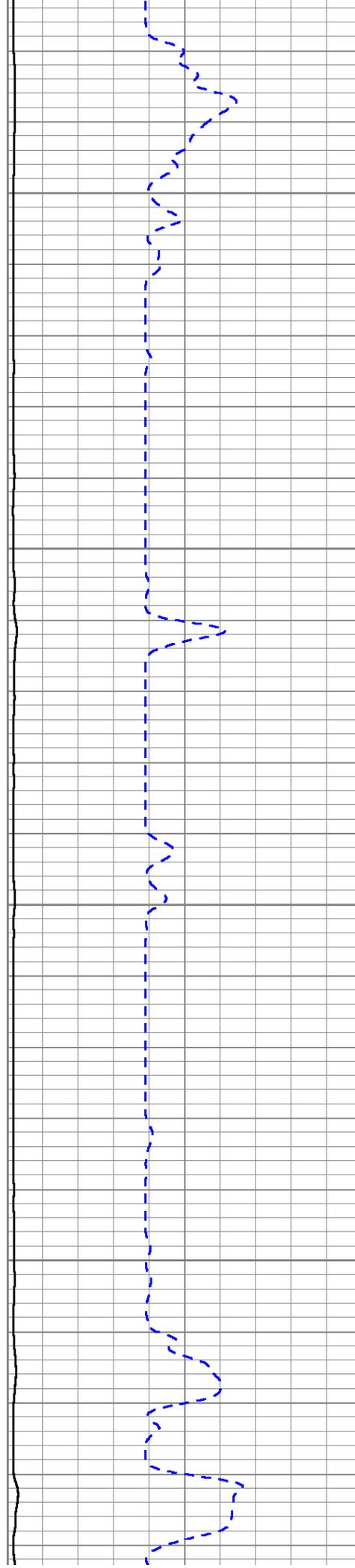


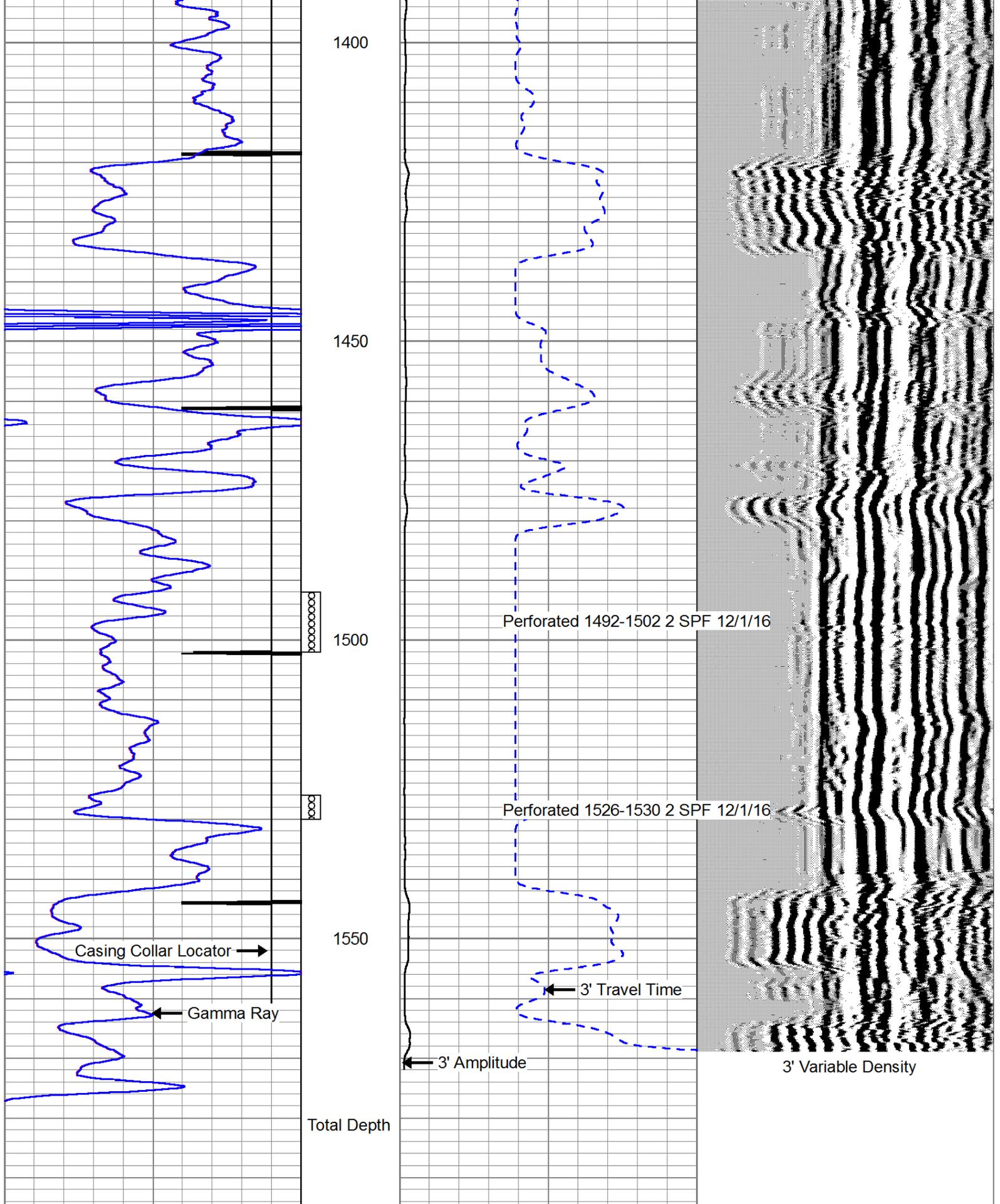
1200

1250

1300

1350





|     |                  |     |
|-----|------------------|-----|
| 9   | Collar Locator   | -1  |
| 0   | Gamma Ray (GAPI) | 150 |
| 150 | GR (GAPI)        | 300 |

|     |                    |     |
|-----|--------------------|-----|
| 0   | Amplitude (mV)     | 100 |
| 600 | Travel Time (usec) | 200 |

|     |      |      |
|-----|------|------|
| 200 | CBL3 | 1200 |
|-----|------|------|

