



**ThruBit**  
A Schlumberger Company

**SPECTRAL DENSITY  
DUAL SPACE NEUTRON  
GAMMA RAY  
MEMORY LOG**

|                              |                                                   |                                         |                   |
|------------------------------|---------------------------------------------------|-----------------------------------------|-------------------|
| Company                      | SANDRIDGE ENERGY                                  | Company                                 | SANDRIDGE ENERGY  |
| Well                         | TAYLOR 3406 3-29H                                 | Well                                    | TAYLOR 3406 3-29H |
| Field                        | EASTHAM                                           | Field                                   | EASTHAM           |
| County                       | HARPER                                            | County                                  | HARPER            |
| State                        | KANSAS                                            | State                                   | KANSAS            |
| Location:                    | API # : 15-077-21928-0100<br>200' FNL & 1640' FWL | Other Services<br>THRUBIT<br>PORTAL BIT |                   |
| Permanent Datum              | SEC 29 TWP 34S RGE 6W                             | Elevation                               |                   |
| Log Measured From            | G.L. 1295'                                        | K.B. 1310'                              |                   |
| Drilling Measured From       | D.F. 15' ABOVE PERM DATUM                         | D.F. 1310'                              |                   |
|                              |                                                   | G.L. 1295'                              |                   |
| Date                         | 26 MAY 2013                                       |                                         |                   |
| Run Number                   | ONE                                               |                                         |                   |
| Depth Driller                | 9233'                                             |                                         |                   |
| Depth Logger                 | 9192'                                             |                                         |                   |
| Bottom Logged Interval       | 9171'                                             |                                         |                   |
| Top Log Interval             | 2500'                                             |                                         |                   |
| Casing Driller               | 7.0" @ 5370'                                      |                                         |                   |
| Casing Logger                | 5368'                                             |                                         |                   |
| Bit Size                     | 6.125"                                            |                                         |                   |
| Type Fluid in Hole           | WBM                                               |                                         |                   |
| Density / Viscosity          | 8.3 / 27                                          |                                         |                   |
| pH / Fluid Loss              | 9.0 / 100                                         |                                         |                   |
| Source of Sample             | MUD SENSOR                                        |                                         |                   |
| Rm @ Meas. Temp              | 1.76 OHM@65DEGF                                   |                                         |                   |
| Rmf @ Meas. Temp             | 1.53 OHM@65DEGF                                   |                                         |                   |
| Rmc @ Meas. Temp             | 1.98 OHM@65DEGF                                   |                                         |                   |
| Source of Rmf / Rmc          | CALCULATED                                        |                                         |                   |
| Rm @ BHT                     | 1.11 OHM@108DEGF                                  |                                         |                   |
| Time Circulation Stopped     | 20:24 25 MAY 2013                                 |                                         |                   |
| Time Logger on Bottom        | 21:14 25 MAY 2013                                 |                                         |                   |
| Maximum Recorded Temperature | 108 DEGF                                          |                                         |                   |
| Equipment Number             | T005                                              |                                         |                   |
| Location                     | OKC, OK                                           |                                         |                   |
| Recorded By                  | C.PARKER                                          |                                         |                   |
| Witnessed By                 | S.FOX                                             |                                         |                   |

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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**

SERVICE: HORIZONTAL PUMP DOWN MEMORY BIT DEPTH: 9140' LOGGED TO: 2500'  
ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST  
LIMESTONE MATRIX, 2.71 g/cc. USED FOR POROSITY MEASUREMENTS  
TOOLSTING RAN WITH SWIVEL AND SMALL DE-CENTRALIZER  
TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft<sup>3</sup>  
ABHV REPRESENTS ANNULAR HOLE VOLUME, CALCULATED FOR 4.5" CSG., ft<sup>3</sup>  
RIGMINDER USED TO ACQUIRE LOG DEPTH  
LOG CORRELATED TO MWD GR  
RIG: UNIT 310  
  
CREW: C.PARKER J.HIRSHEL R.CRESSWELL

|                                                                                            |         |         |                   |         |             |
|--------------------------------------------------------------------------------------------|---------|---------|-------------------|---------|-------------|
| Service Ticket No.                                                                         | 1923    | API No. | 15-077-21928-0100 | PGM Ver | WARRIOR 7.0 |
| The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client |         |         |                   |         |             |
| EQUIPMENT DATA                                                                             |         |         |                   |         |             |
| GAMMA                                                                                      | NEUTRON | DENSITY | INDUCTION         |         |             |

|                         |        |            |           |            |                      |            |           |           |
|-------------------------|--------|------------|-----------|------------|----------------------|------------|-----------|-----------|
| Run No.                 | ONE    | Run No.    | ONE       | Run No.    | ONE                  | Run No.    | ONE       |           |
| Serial No.              | ENP5T  | Serial No. | PS14N     | Serial No. | PS01D                | Serial No. | PS38R     |           |
| Model No.               | ENP    | Model No.  | PS        | Model No.  | PS                   | Model No.  | PS        |           |
| Diameter                | 2.125" | Diameter   | 2.125"    | Diameter   | 2.125"               | Diameter   | 2.125"    |           |
| LOGGING DATA            |        |            |           |            |                      |            |           |           |
| General Data            |        |            |           |            |                      |            |           |           |
| Pass                    | Depths |            | Well Head | Speed      | Logging Run Comments |            |           |           |
| No.                     | From   | To         | Pressure  | Ft/Min     |                      |            |           |           |
| ONE                     | 9181'  | 2500'      | 0 PSI     | 35 FPM     |                      |            |           |           |
|                         |        |            |           |            |                      |            |           |           |
|                         | GAMMA  |            | NEUTRON   |            | DENSITY              |            | INDUCTION |           |
| Pass                    | Scale  |            | Scale     |            | Scale                |            | Scale     |           |
| No.                     | L      | R          | L         | R          | L                    | R          | L         | R         |
| ONE                     | 0 API  | 150 API    | 30%       | -10%       | 30%                  | -10%       | 0.2 OHMM  | 2000 OHMM |
|                         |        |            |           |            |                      |            |           |           |
| DIRECTIONAL INFORMATION |        |            |           |            |                      |            |           |           |
| Maximum Deviation       |        | 93.21°     | deg. @    | 5971'      | KOP                  | 3802'      |           |           |
|                         |        |            |           |            |                      |            |           |           |
|                         |        |            |           |            |                      |            |           |           |



ThruBit

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MAIN PASS

Database File:c:\users\kris.wetzel\desktop\taylor 3406 3-29h\sandridge\_taylor\_3406\_3-29h\_mem.db

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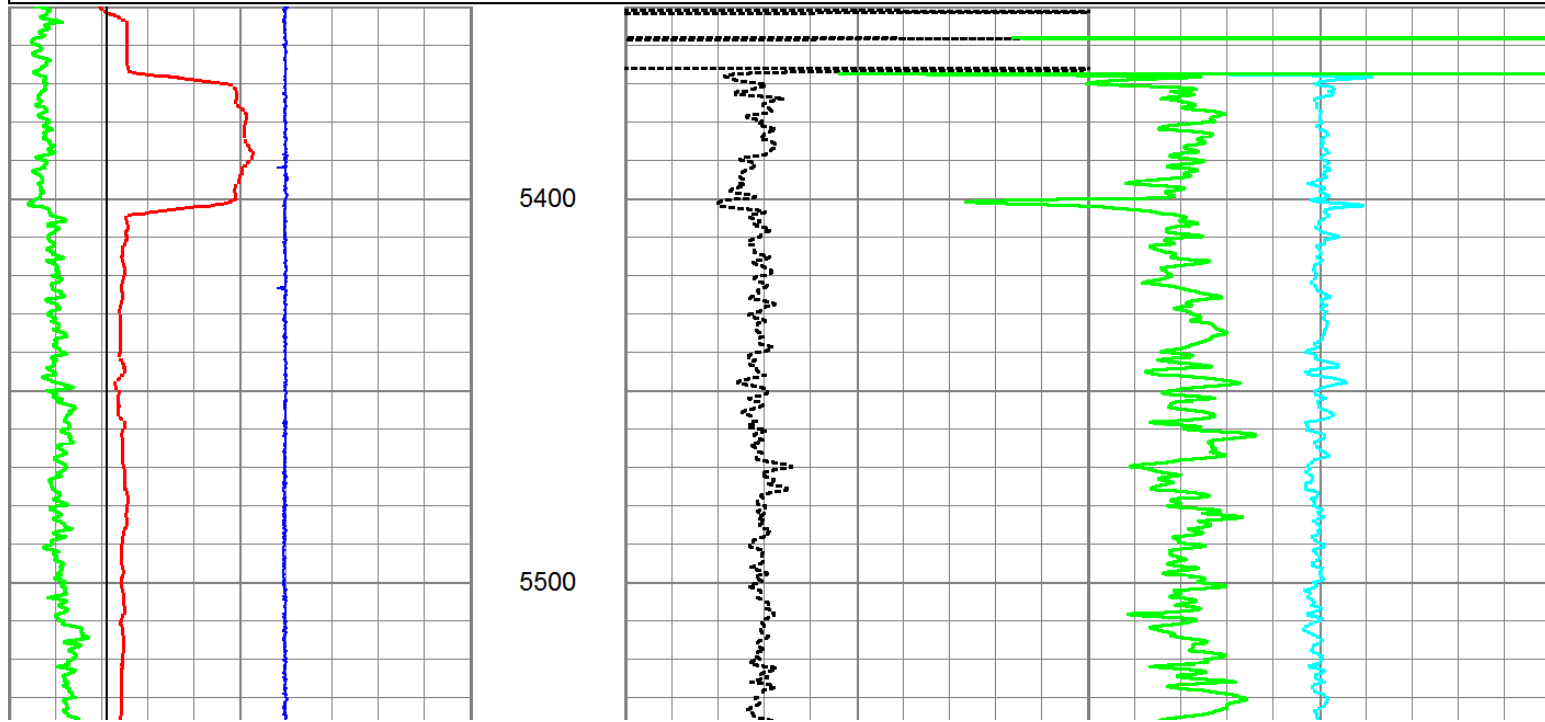
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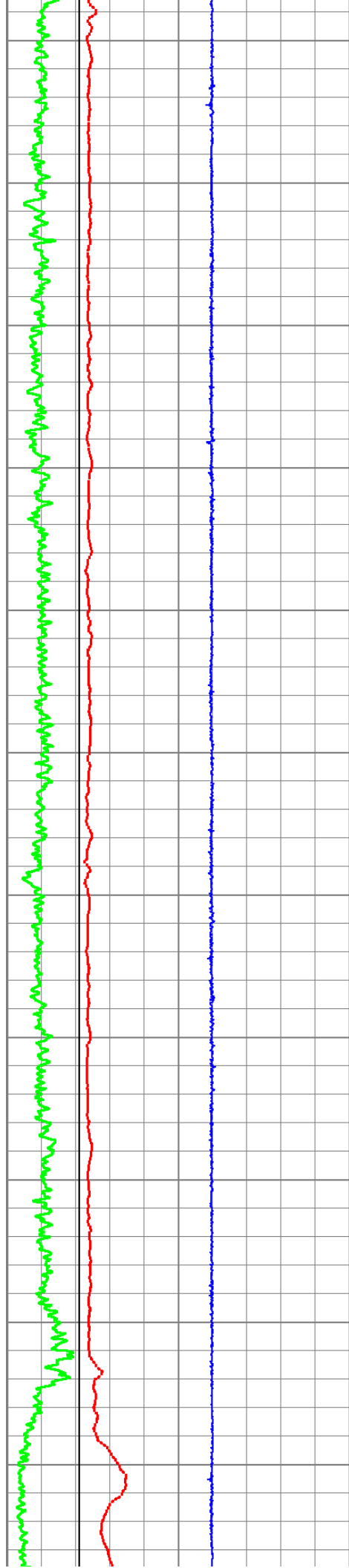
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Charted by:Depth in Feet scaled 1:600

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|----|-------------|-----|
| 0  | GR (GAPI)   | 150 |
| 4  | DCAL (in)   | 14  |
| 4  | BOREID (in) | 14  |
| -5 | ACCY        | 5   |

|   |             |    |      |             |     |
|---|-------------|----|------|-------------|-----|
| 0 | PEF (barn)  | 10 | -0.5 | DRHO (g/cc) | 0.5 |
| 2 | RHOB (g/cc) |    | 3    |             |     |





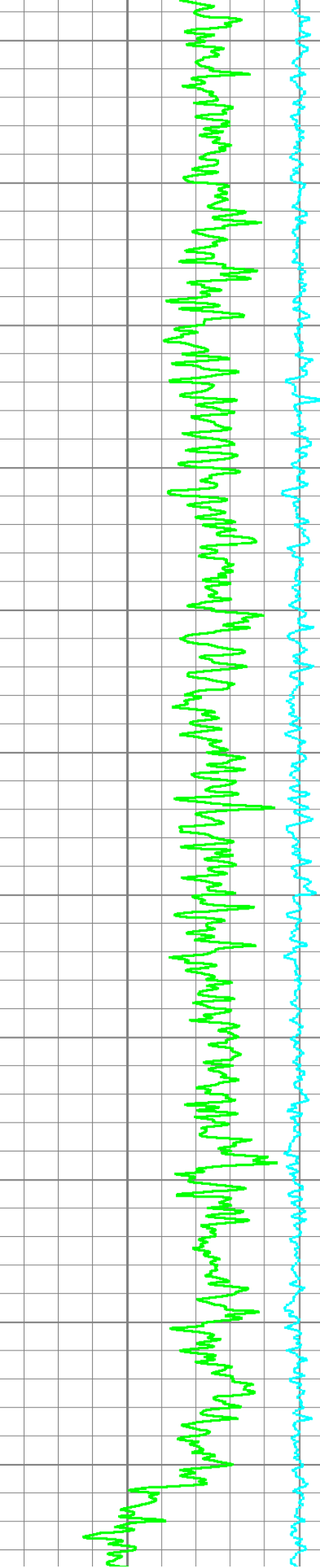
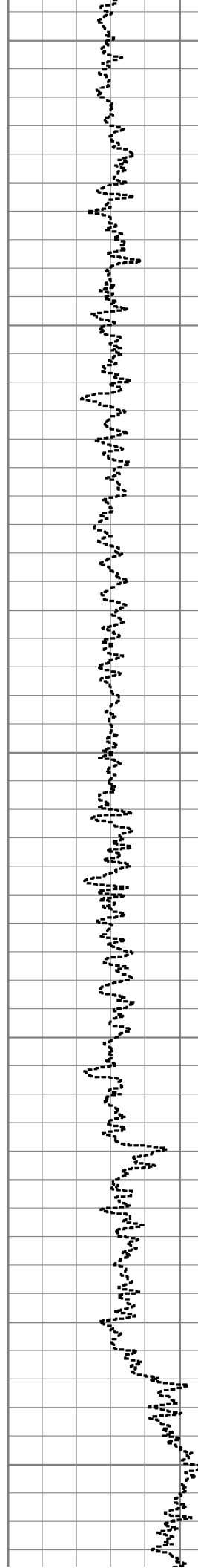
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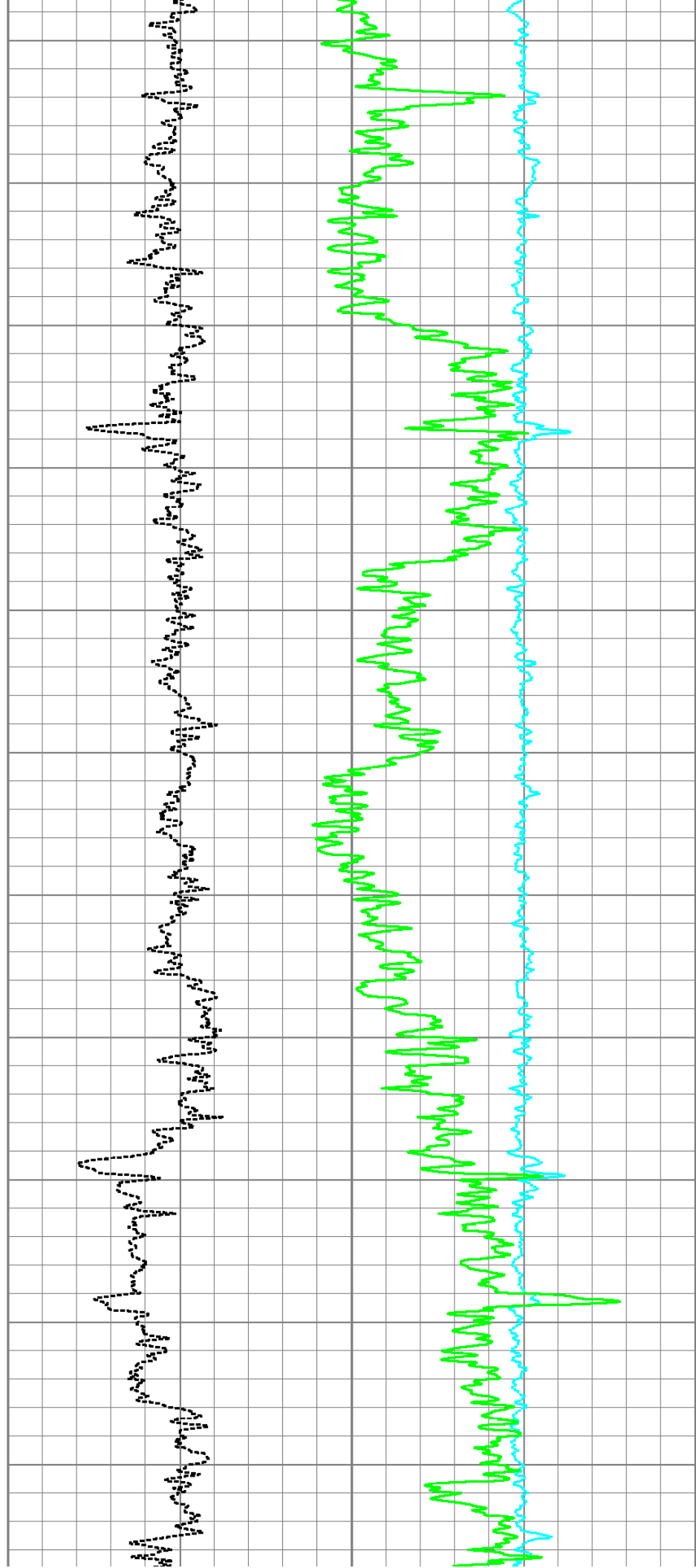
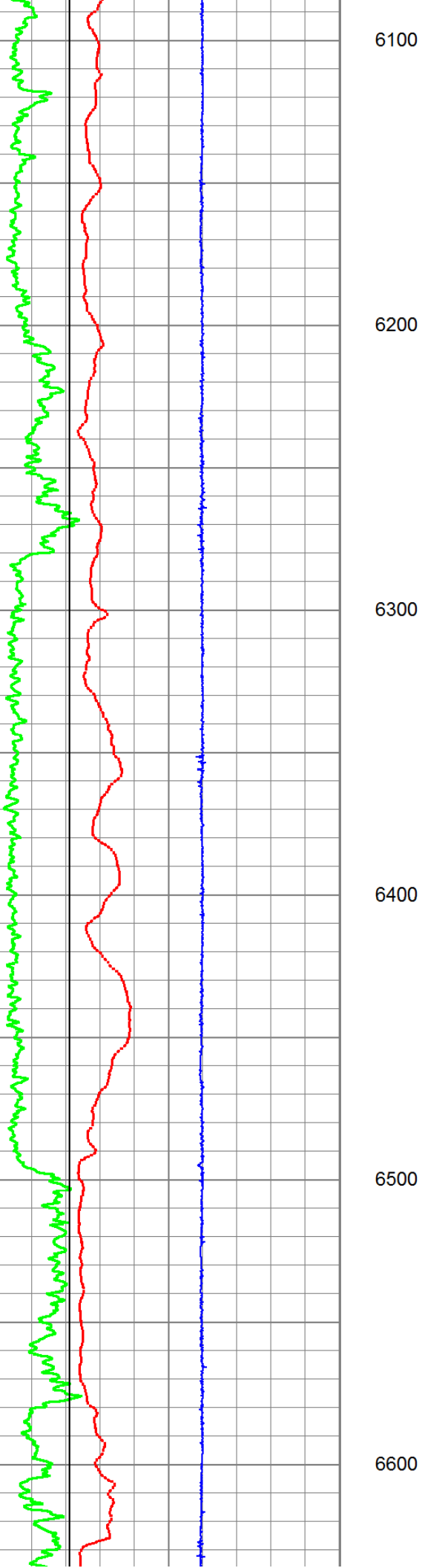
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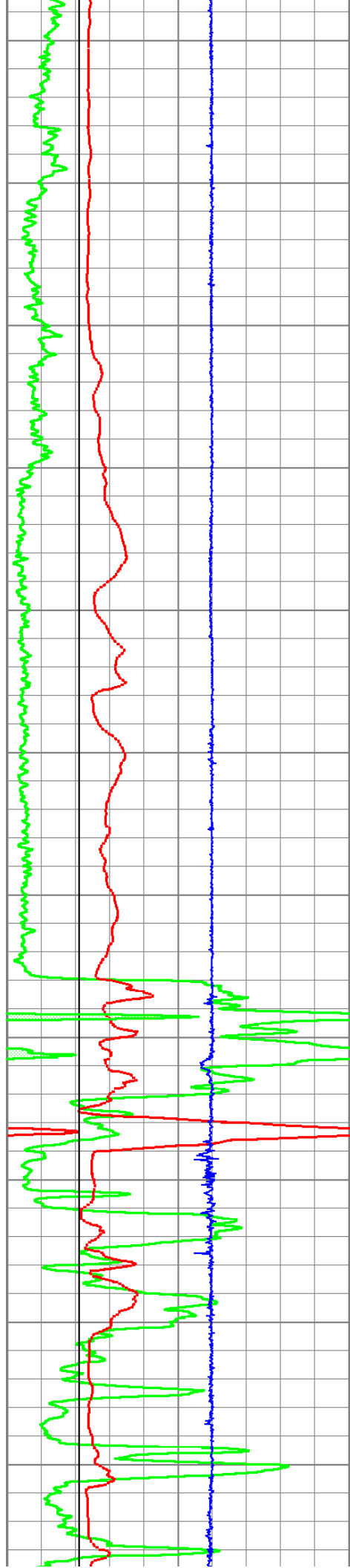
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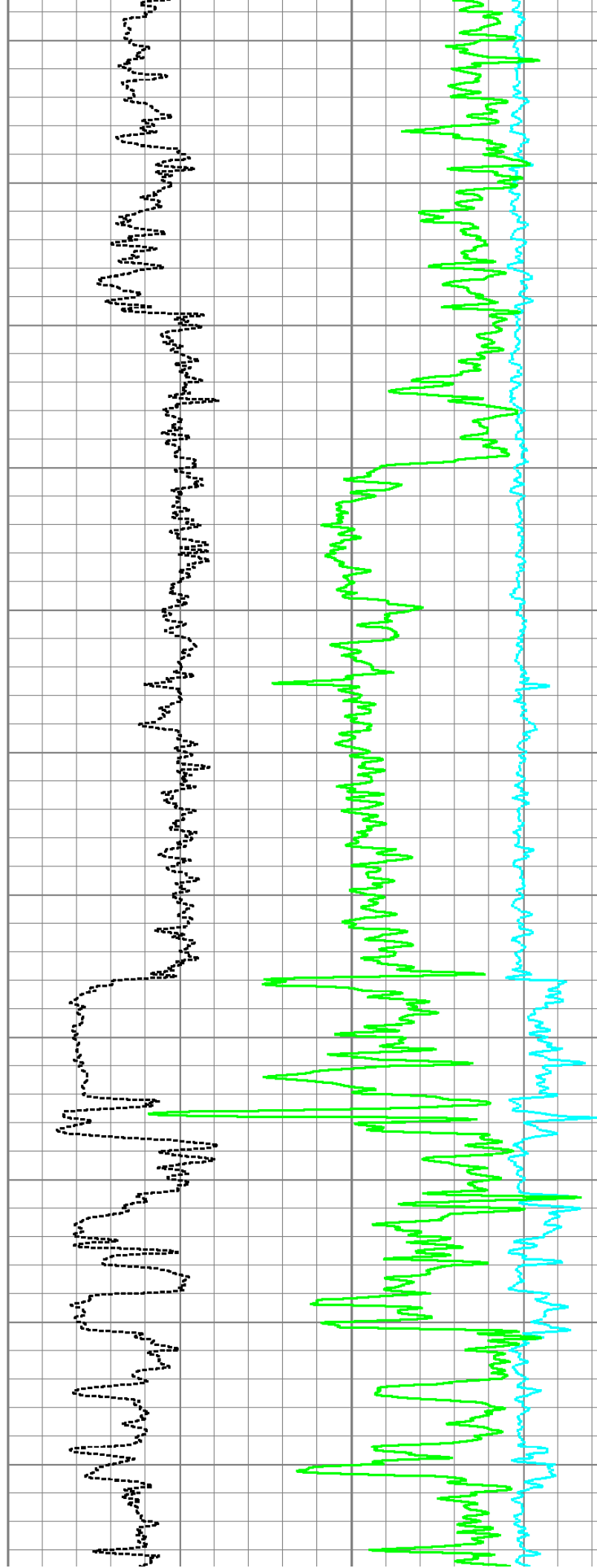
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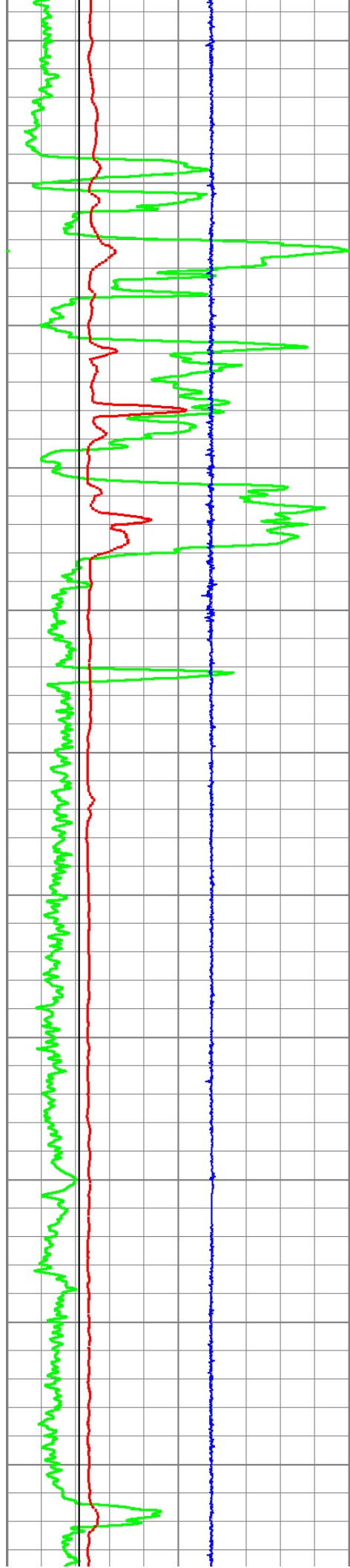
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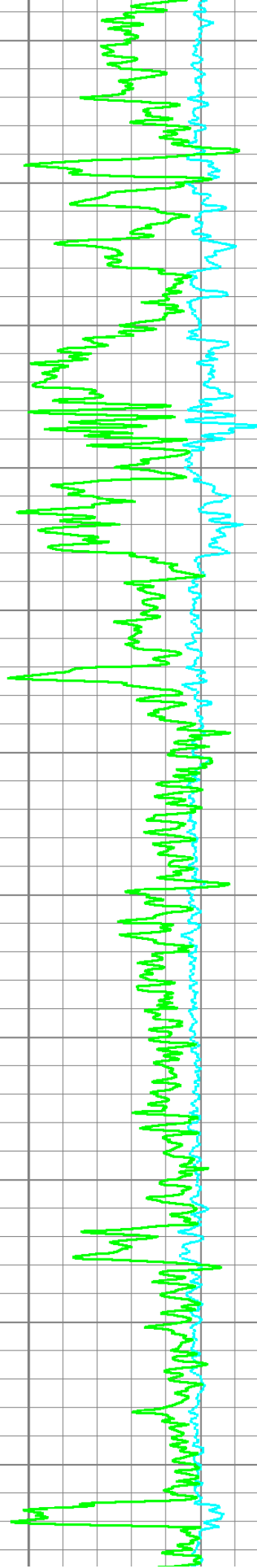
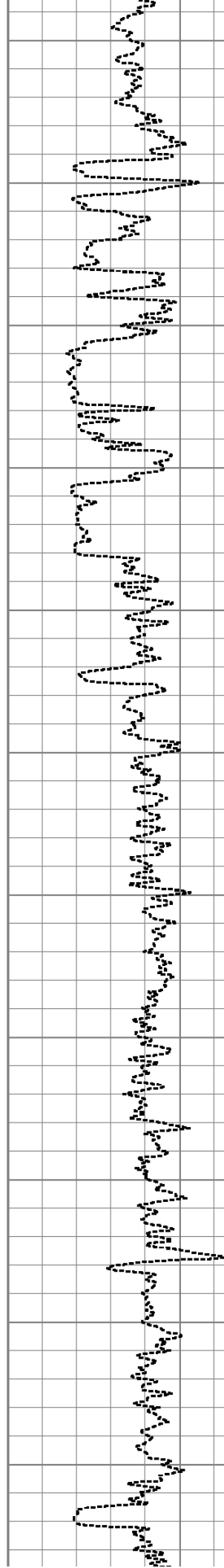
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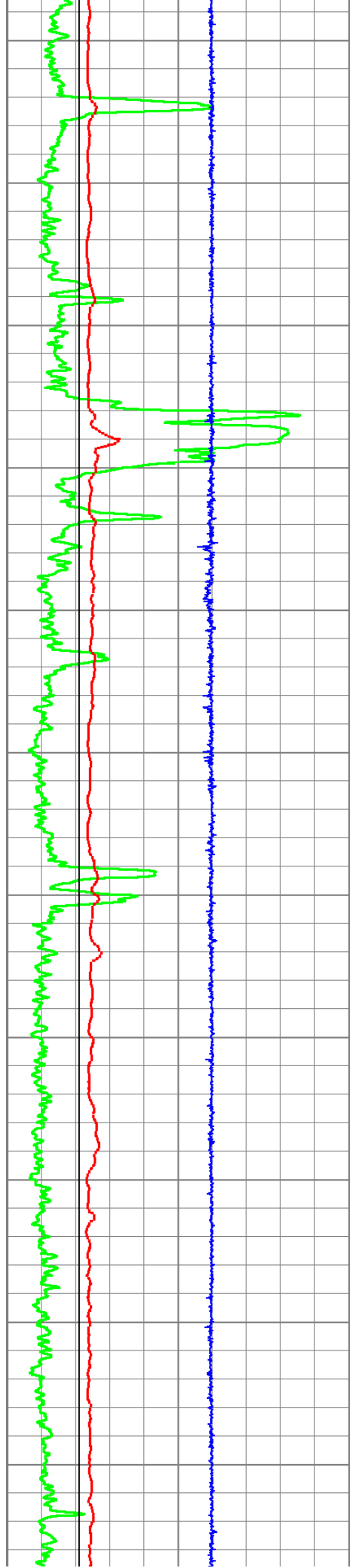
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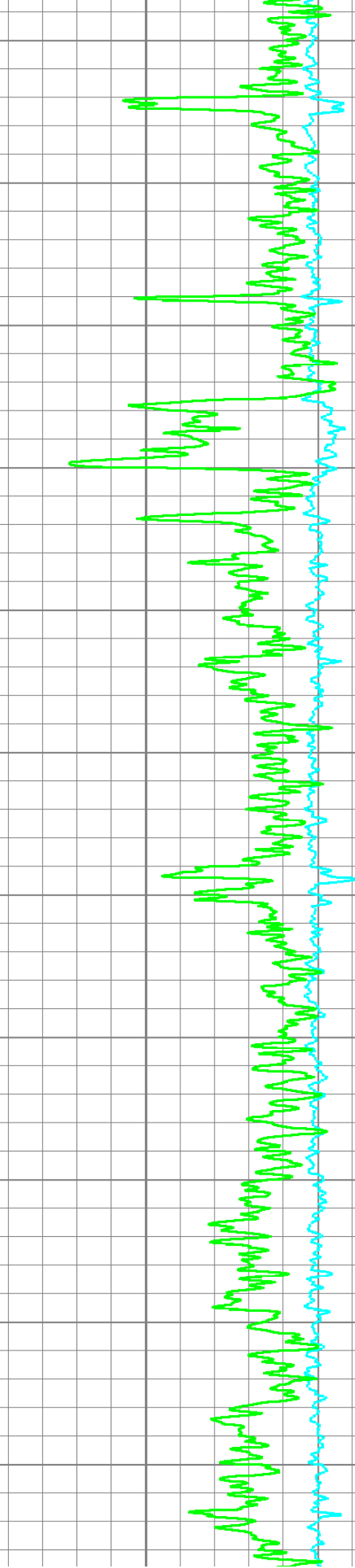
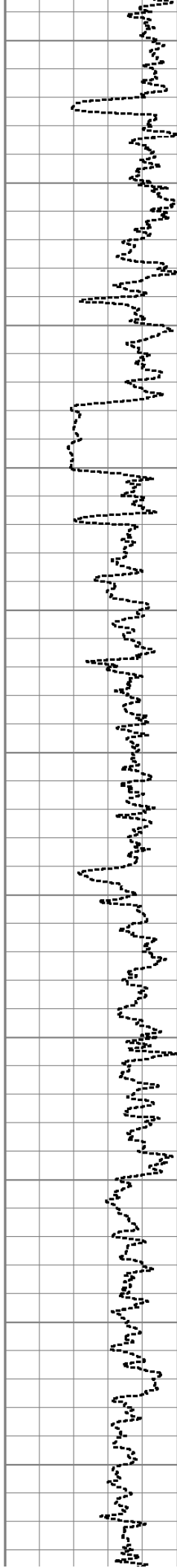
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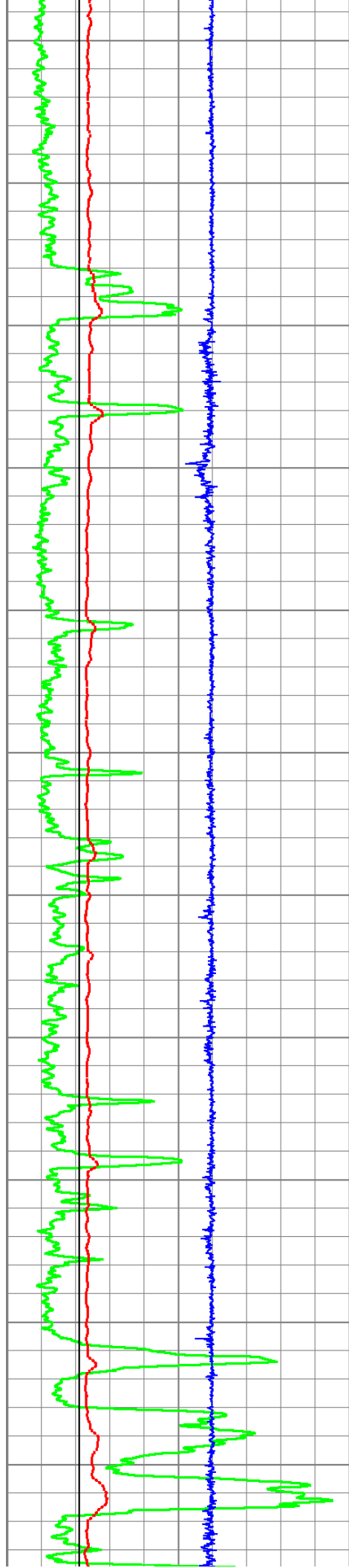
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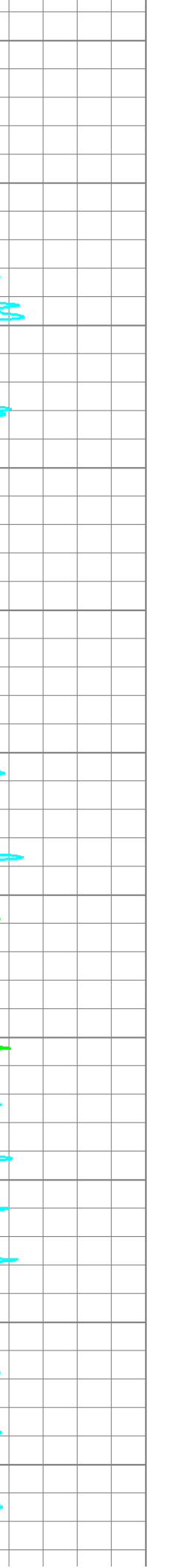
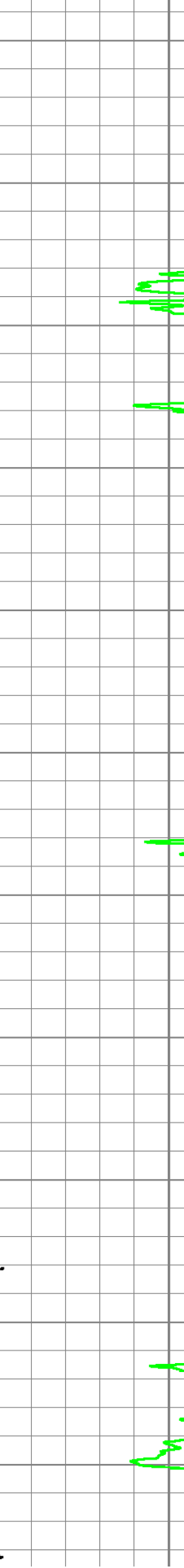
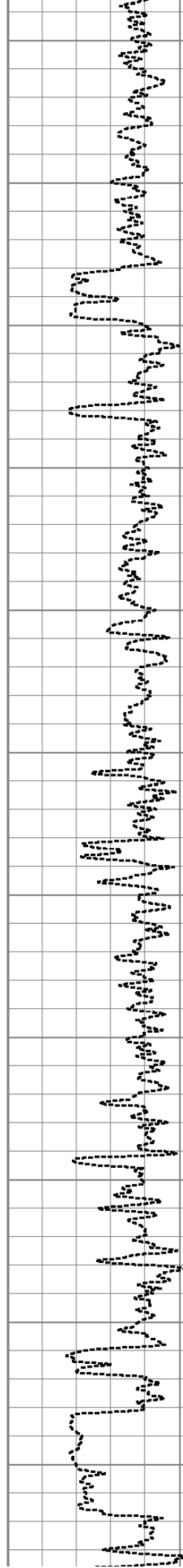
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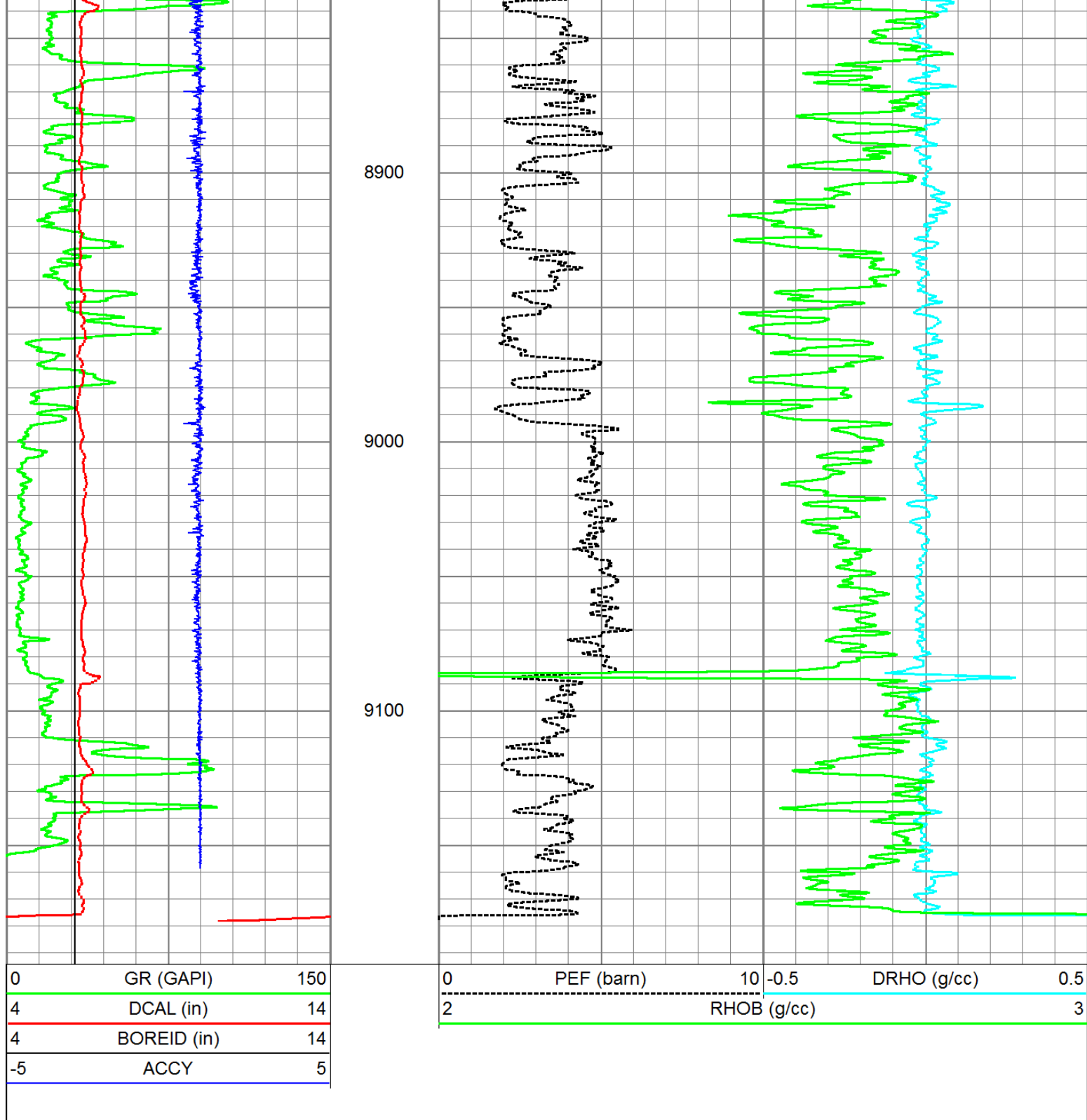
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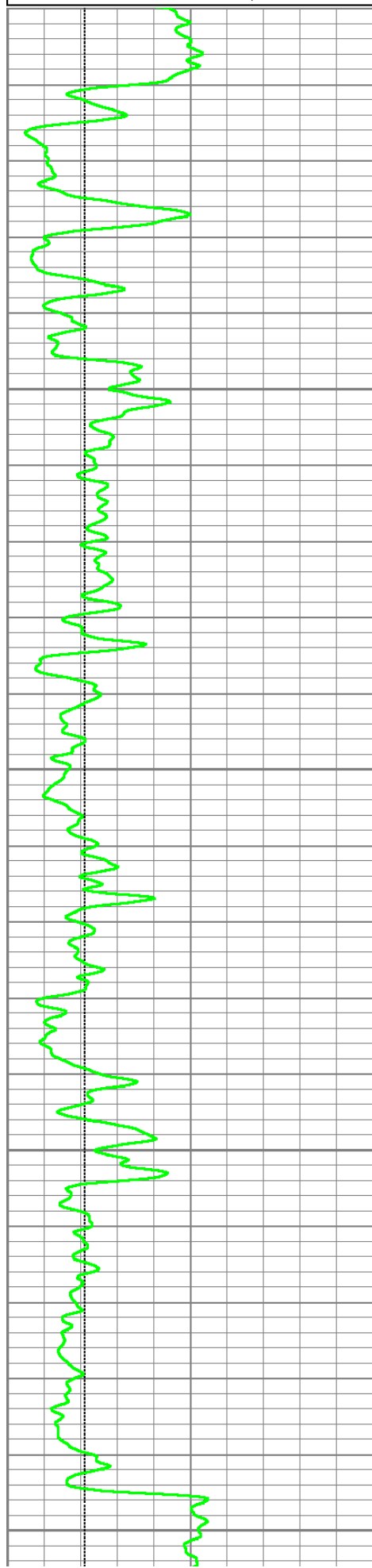


# MAIN PASS

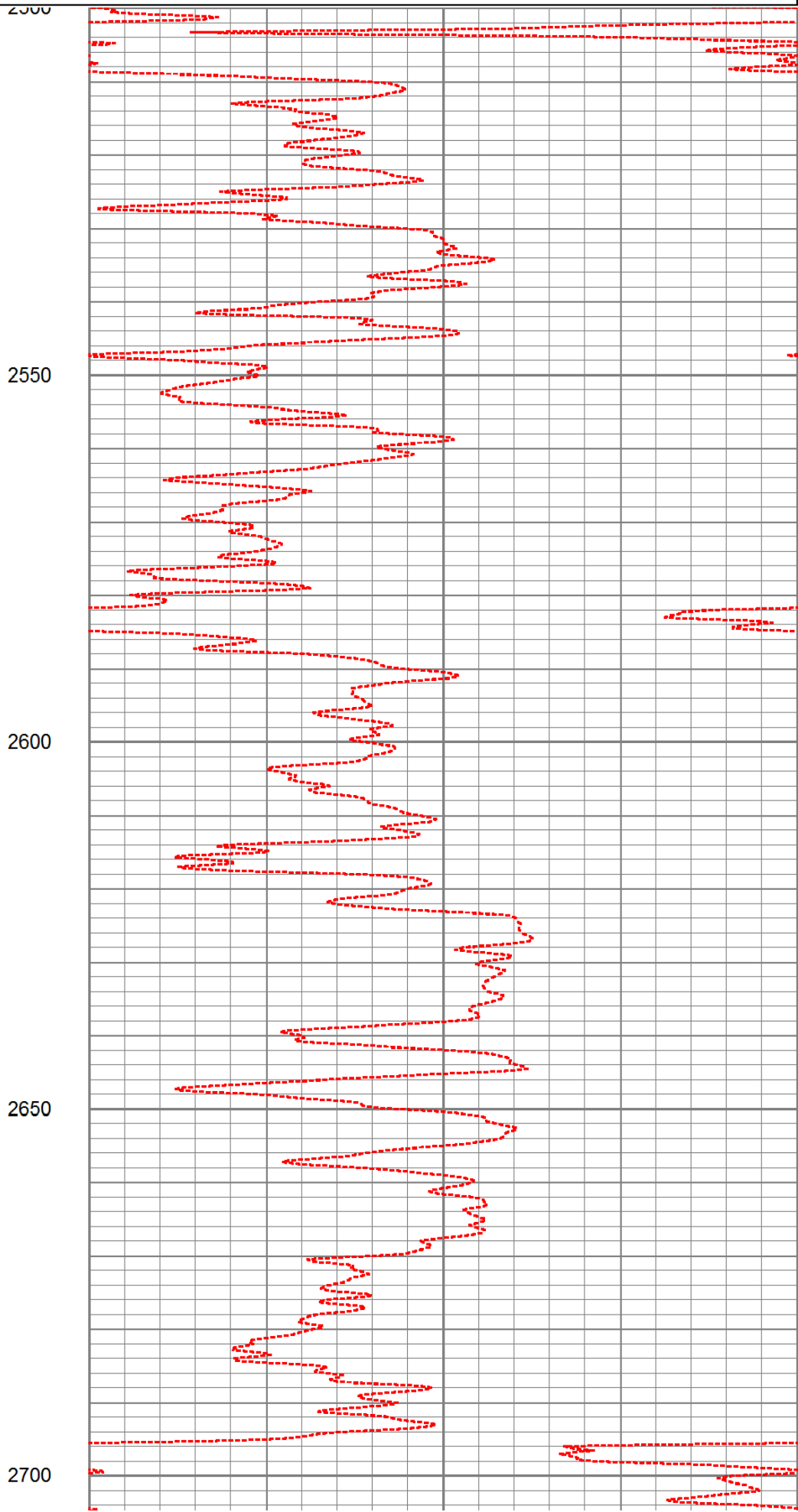
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 Charted by: Depth in Feet scaled 1:240

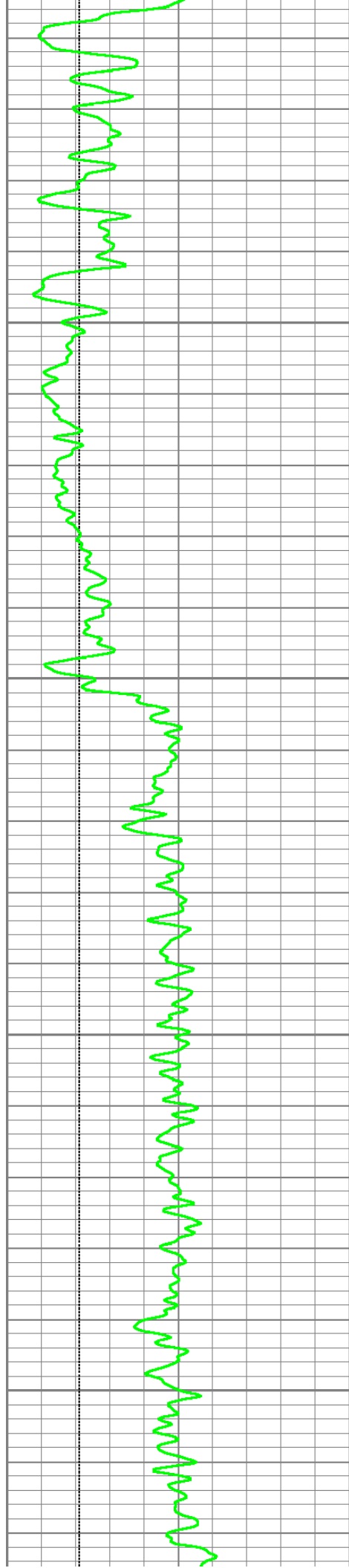
|   |             |    |    |            |     |
|---|-------------|----|----|------------|-----|
| 4 | DCAL (in)   | 14 | 30 | CNPOR (pu) | -10 |
| 4 | BOREID (in) | 14 | 30 | DPHI (pu)  | -10 |

|    |           |            |
|----|-----------|------------|
| 0  | GR (GAPI) | 150        |
| -5 | ACCY      | 5          |
|    |           | TBHV (ft3) |



|   |            |            |      |             |     |
|---|------------|------------|------|-------------|-----|
| 0 | PEF (barn) | 10         | -0.5 | DRHO (g/cc) | 0.5 |
|   |            | ABHV (ft3) |      |             |     |



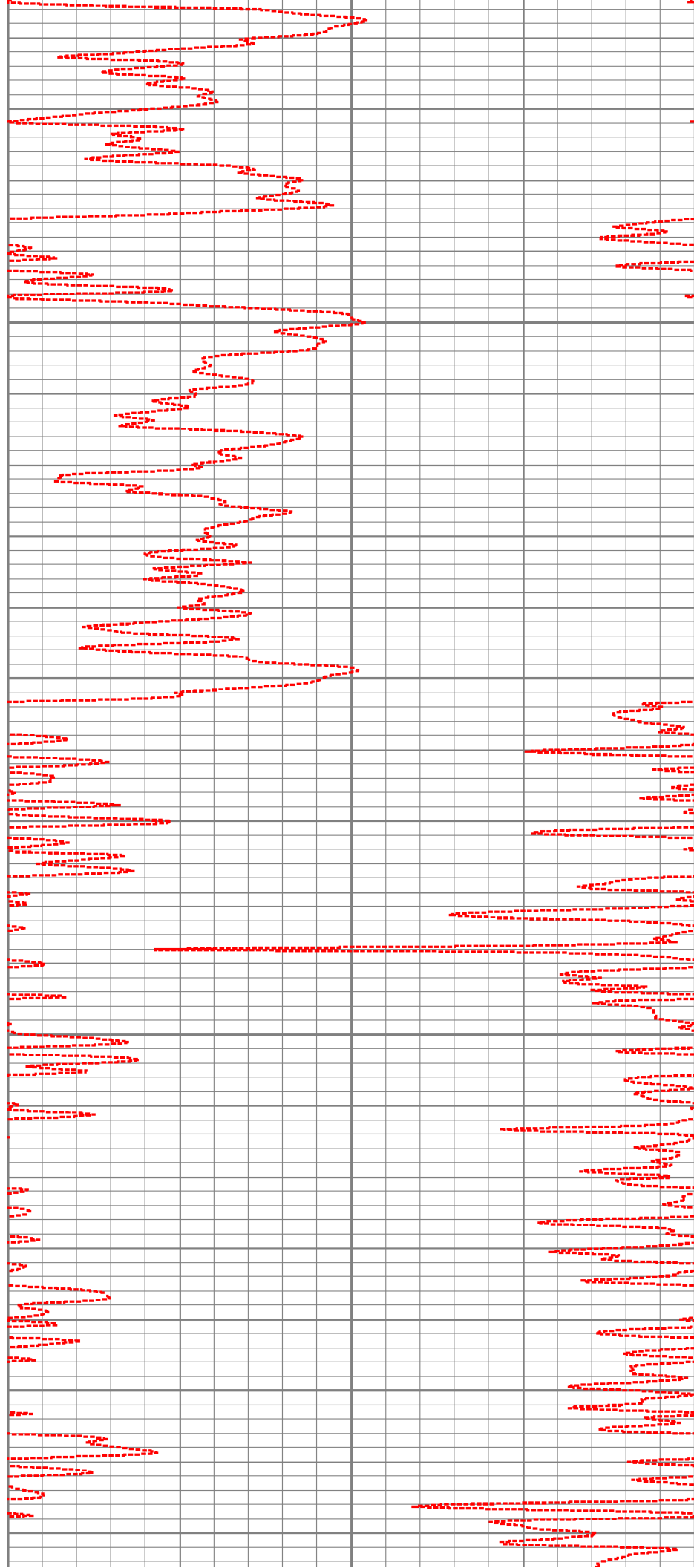


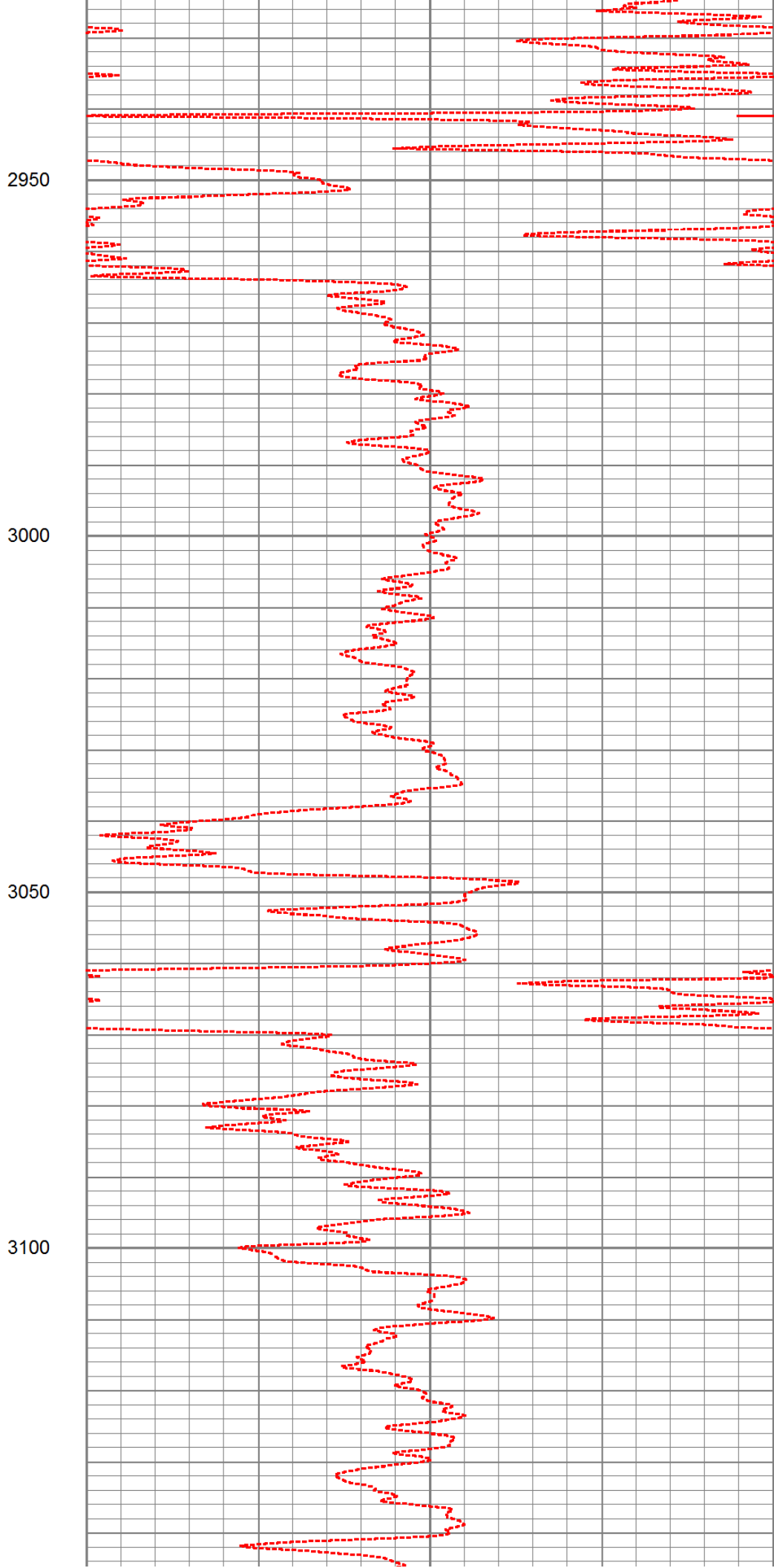
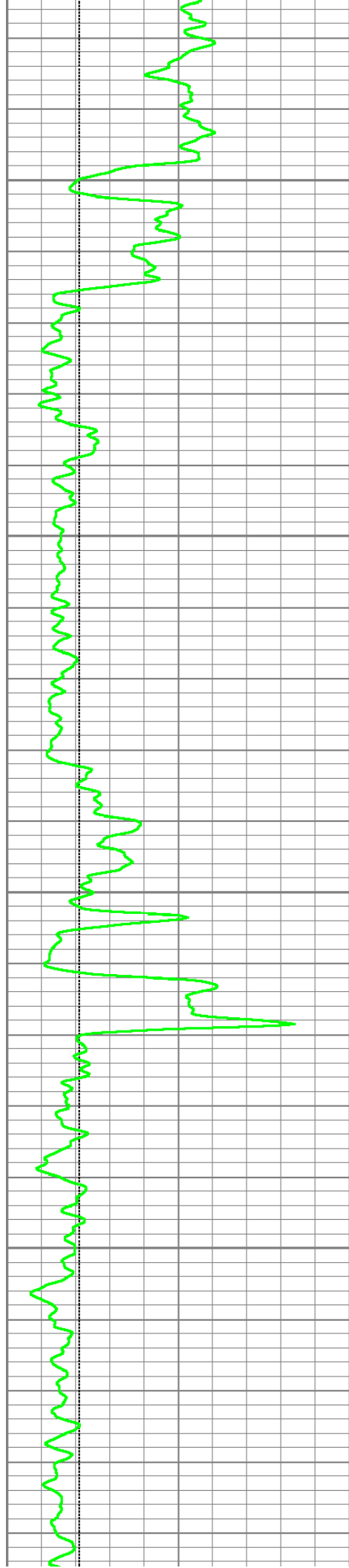
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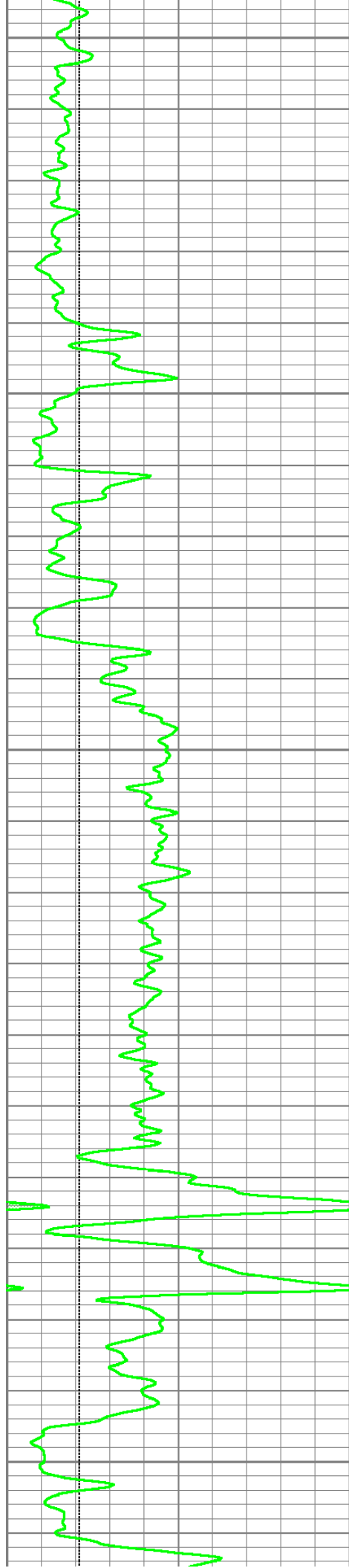
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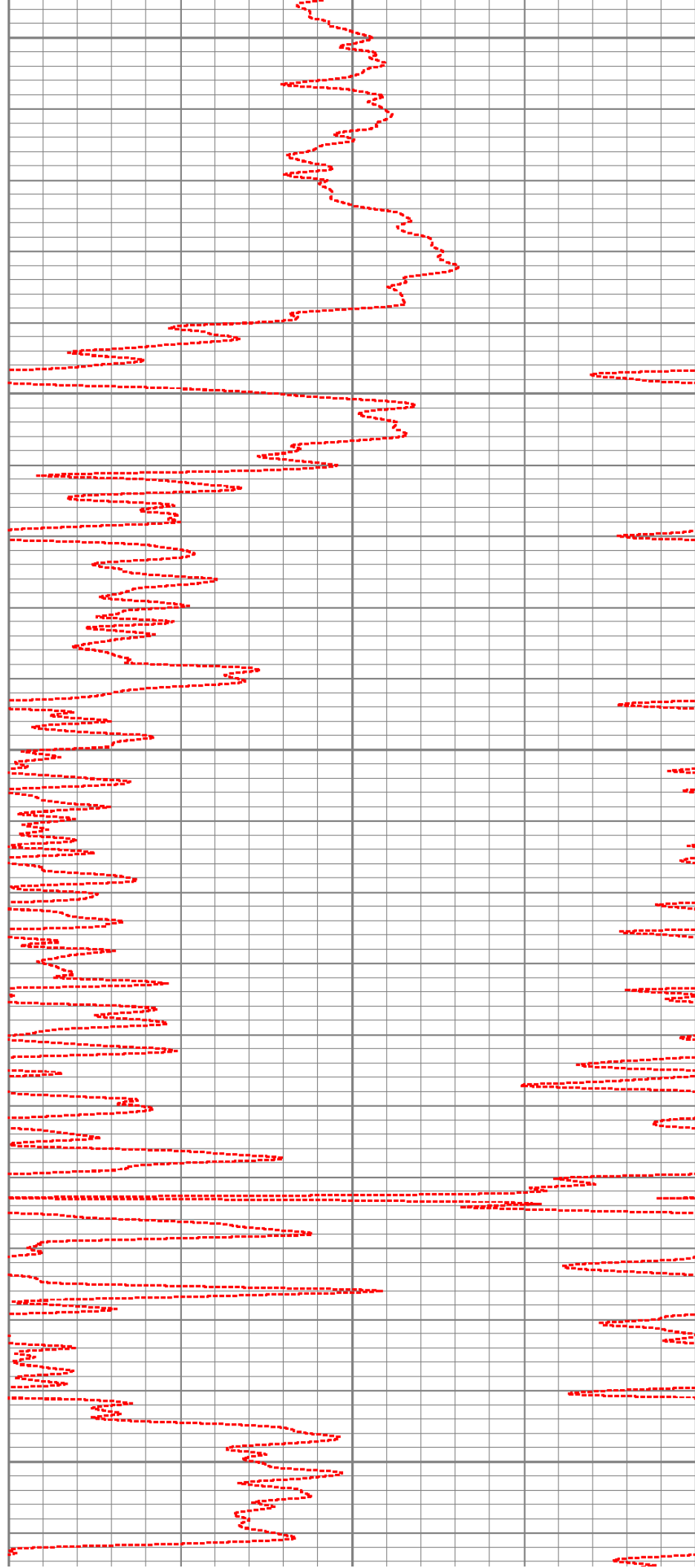
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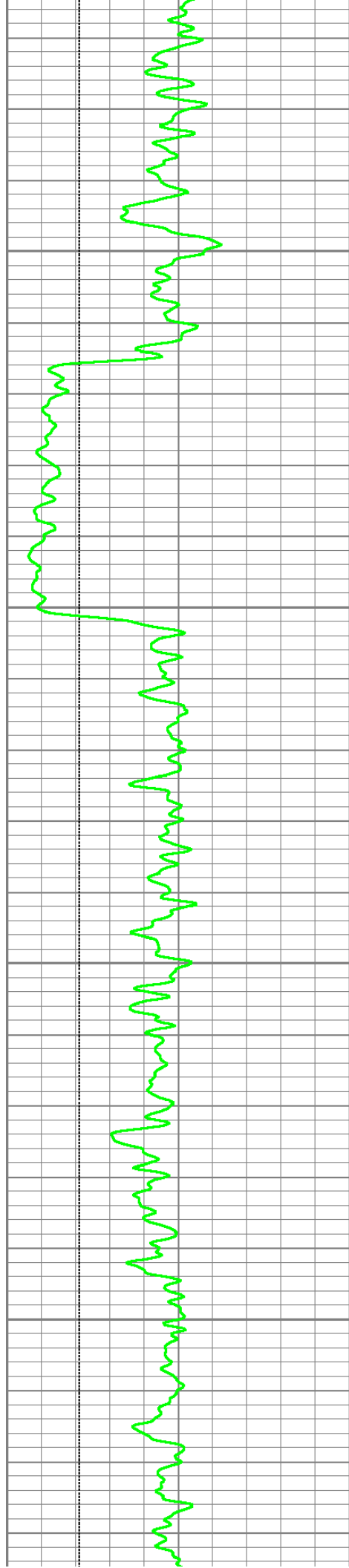
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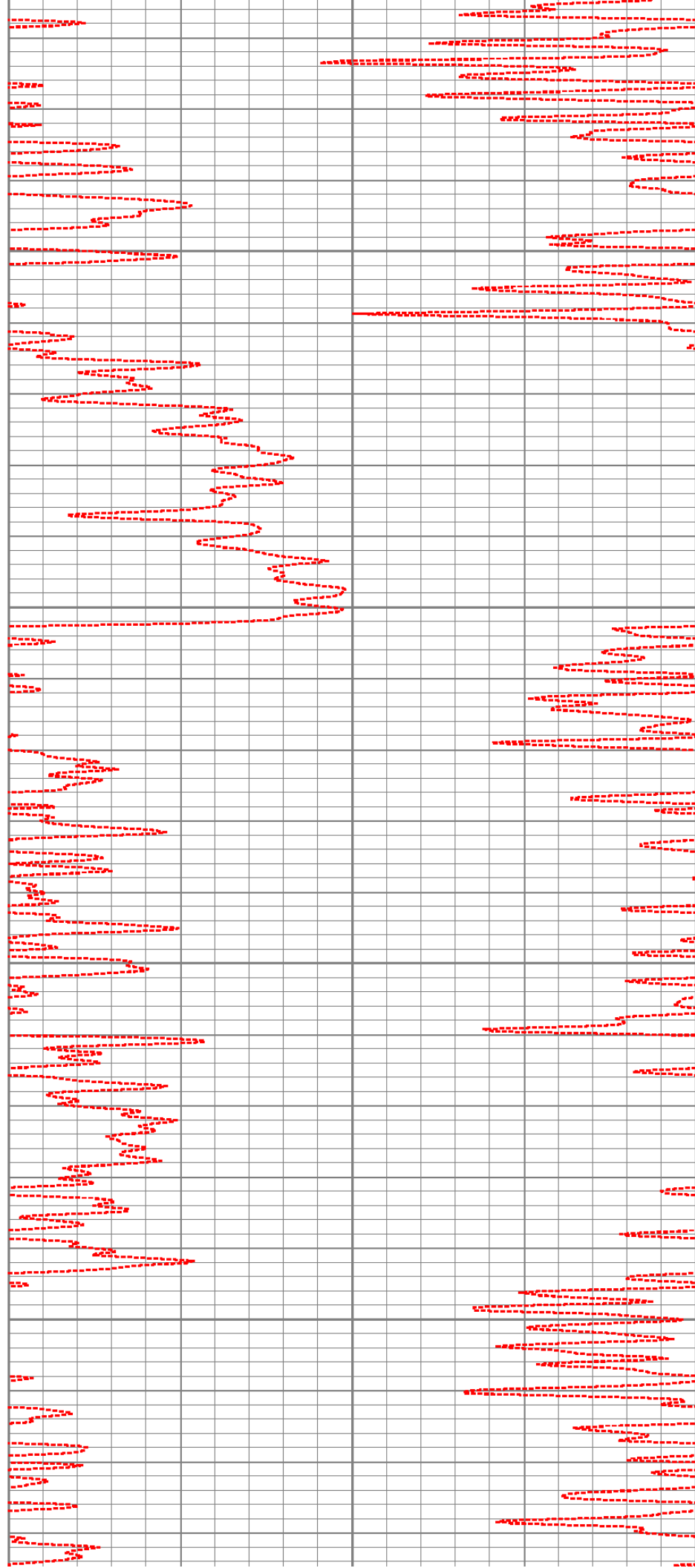


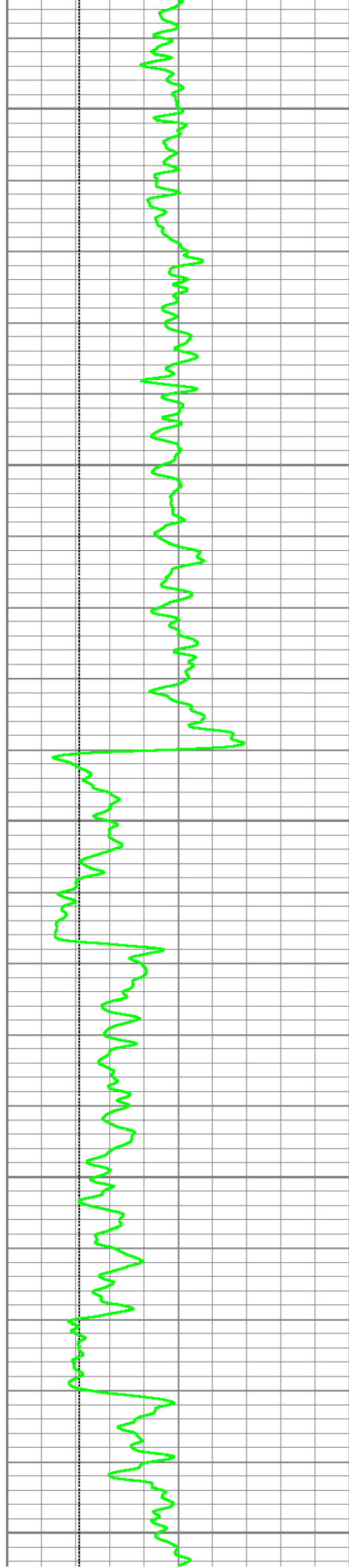
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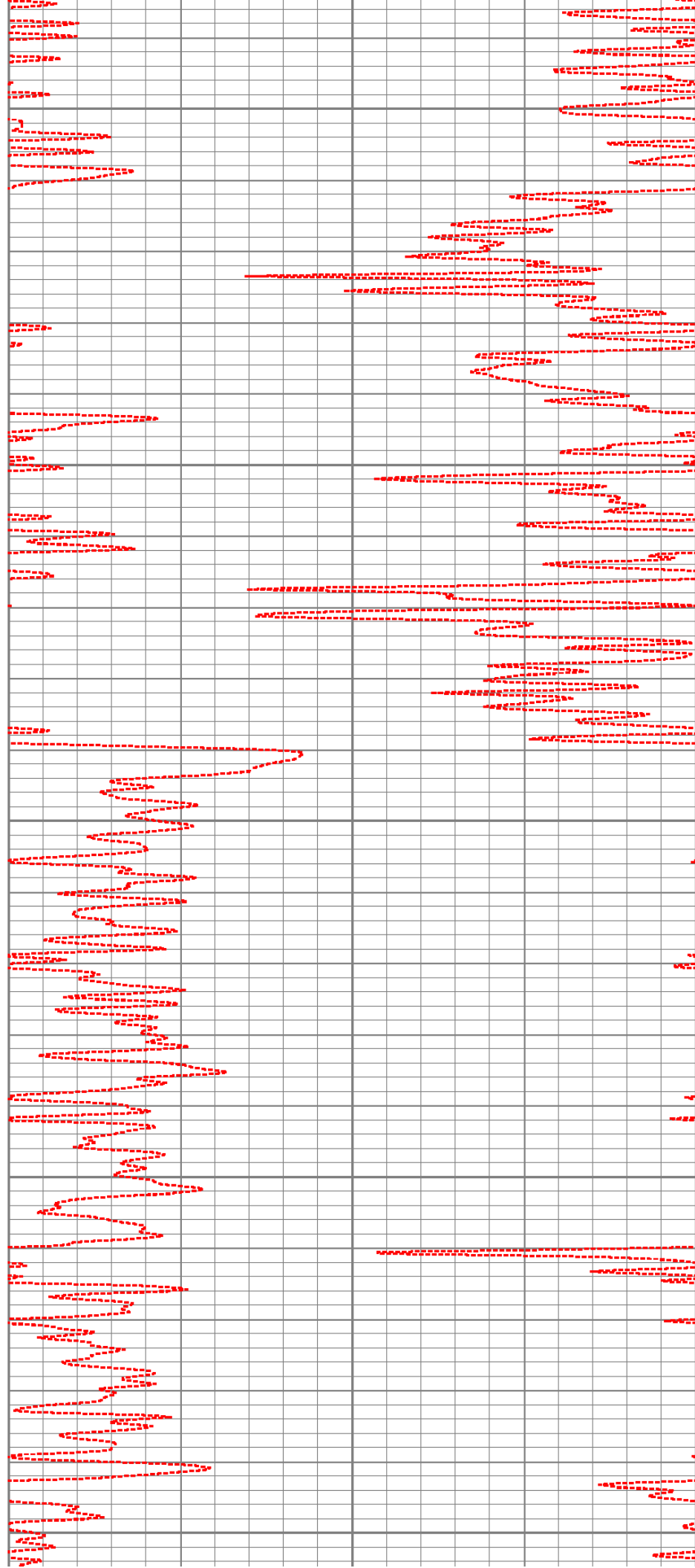
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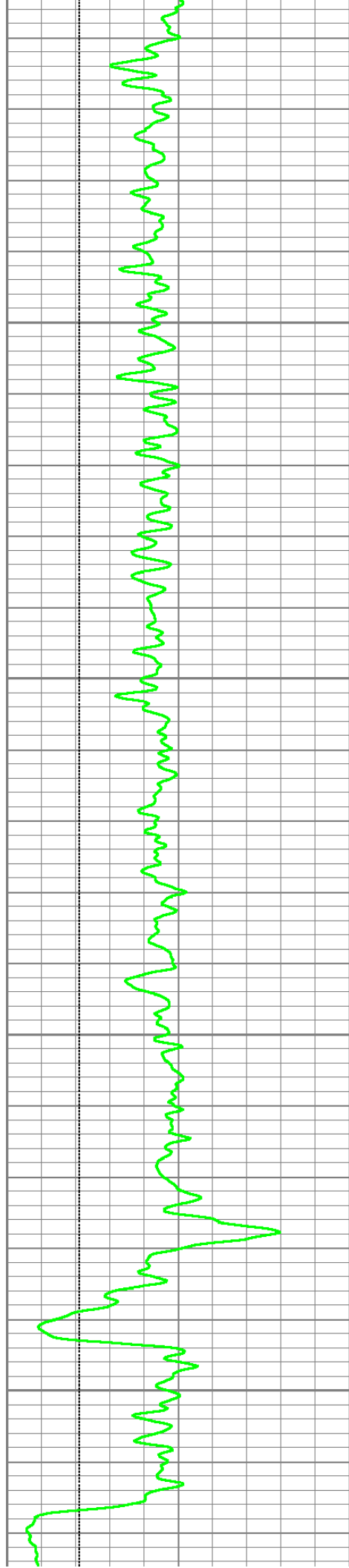
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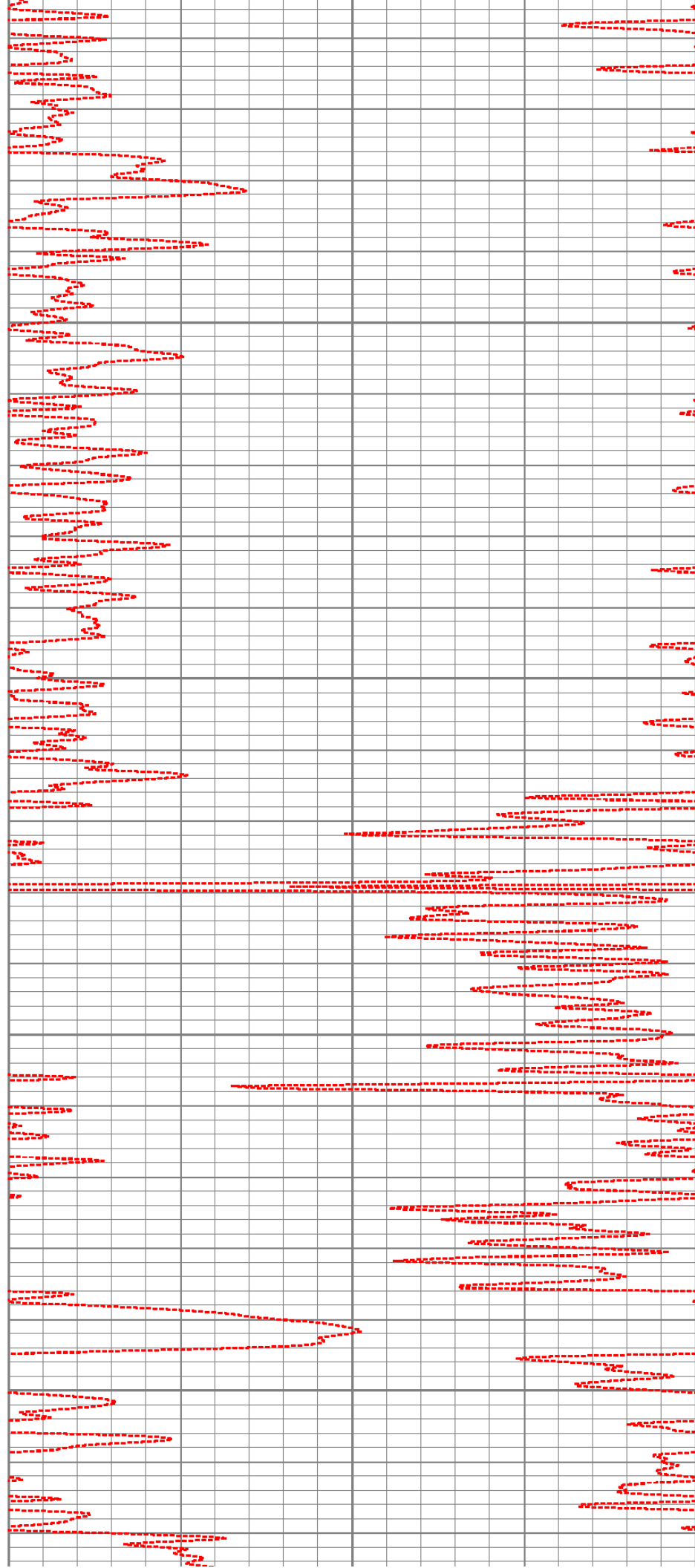


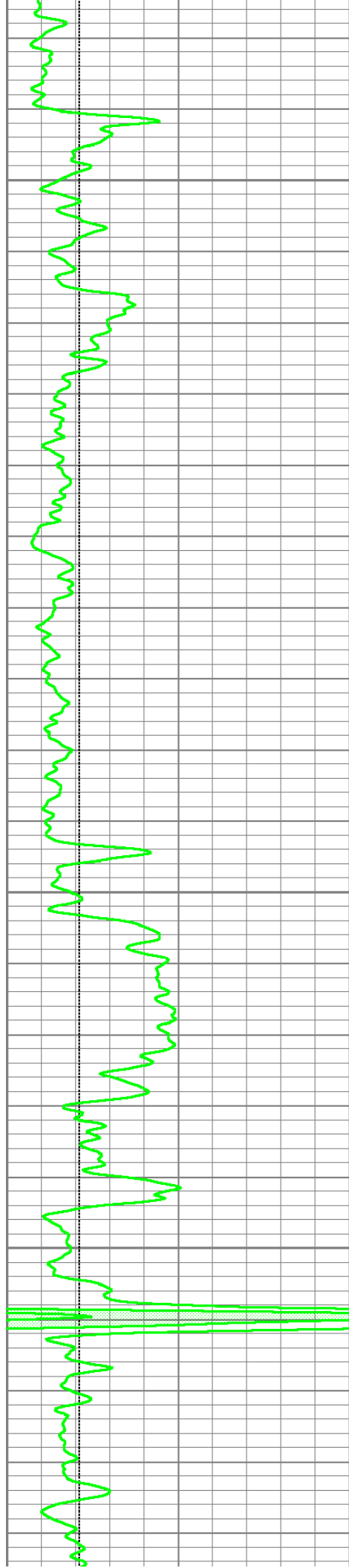
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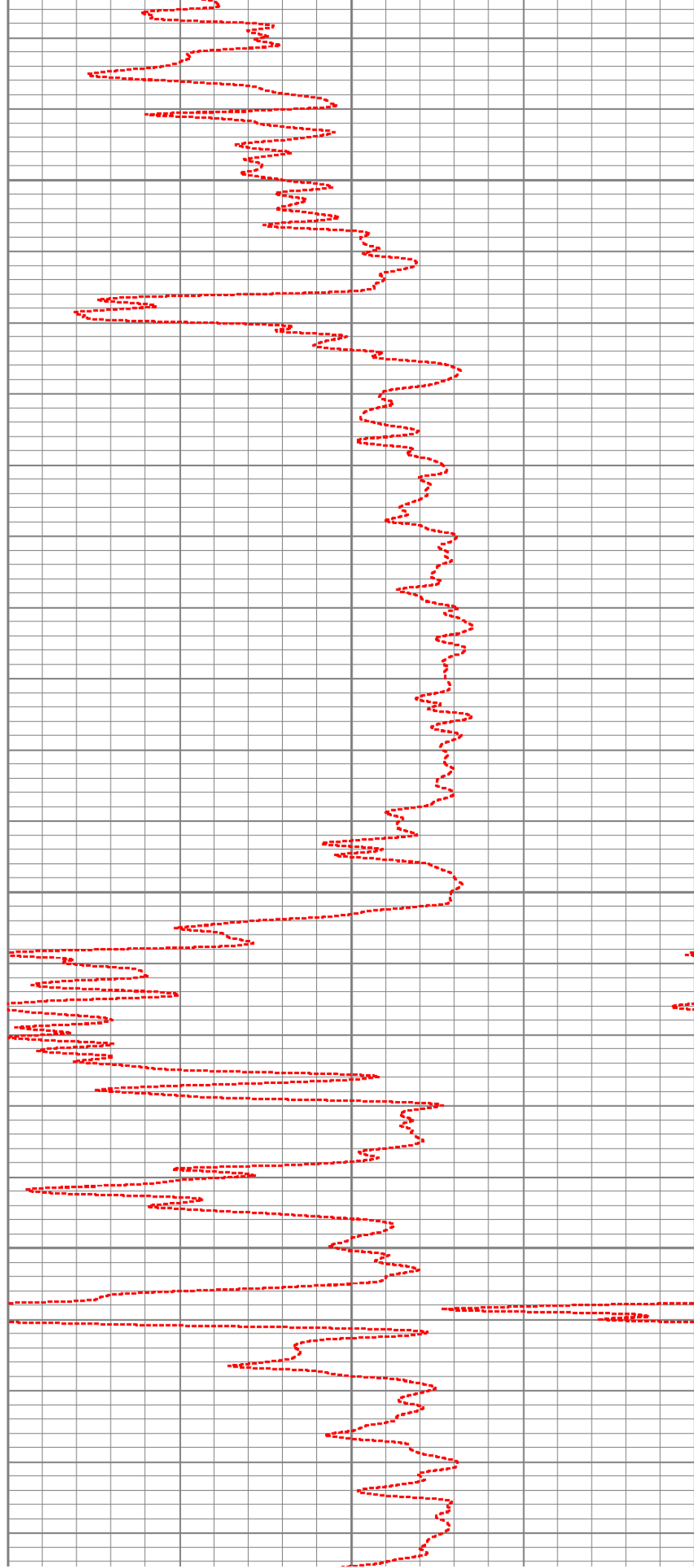


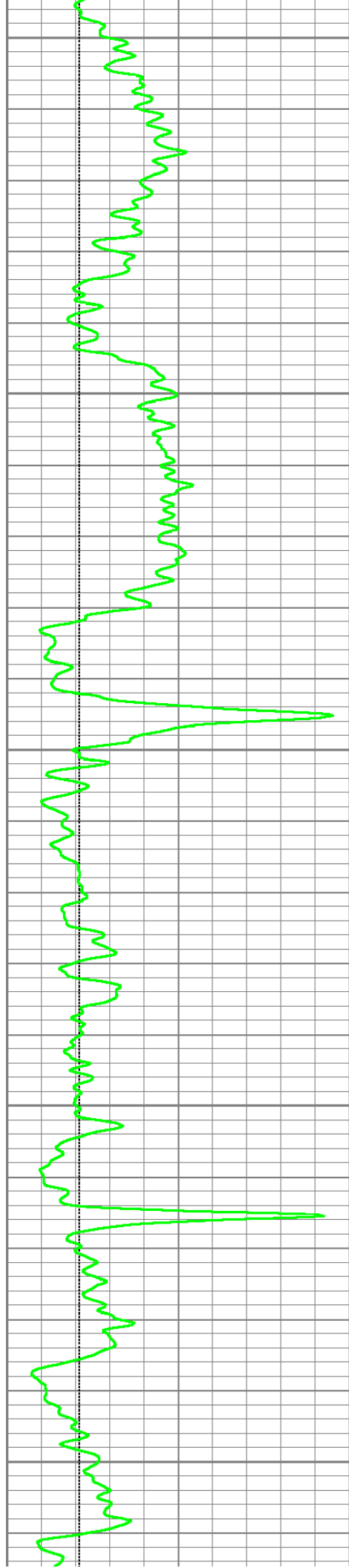
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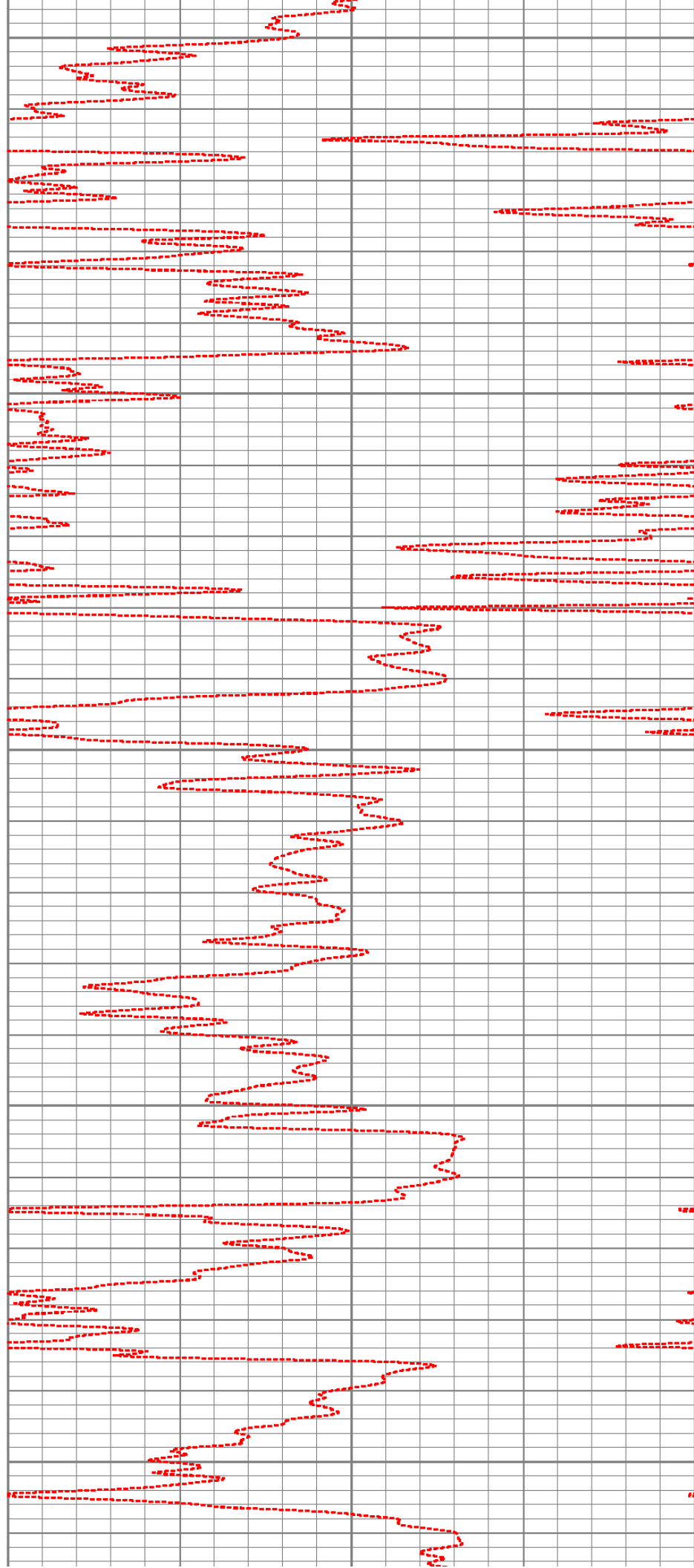
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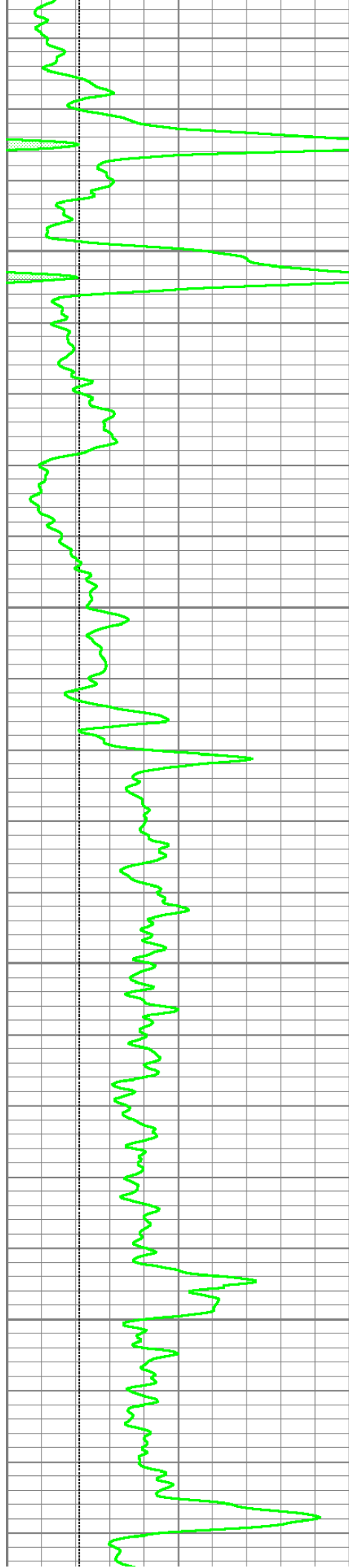
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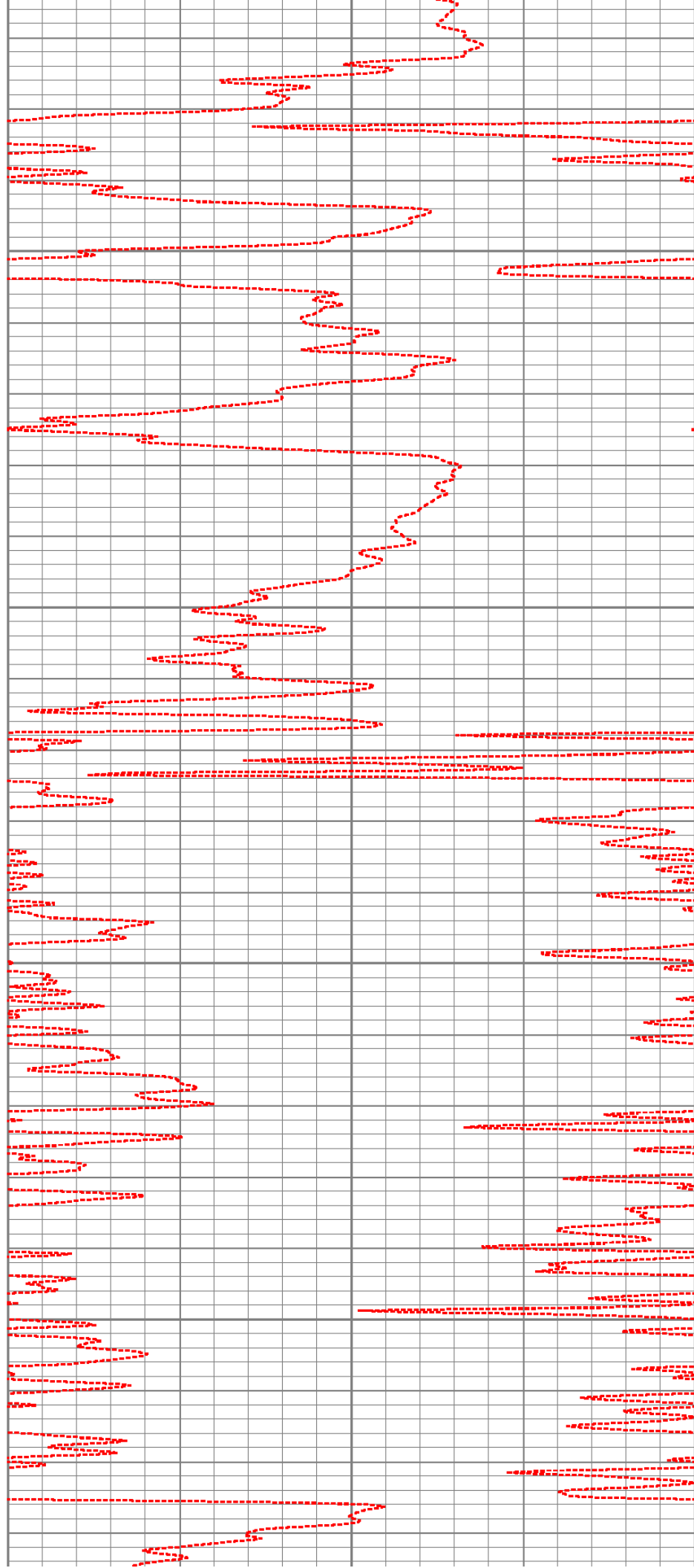


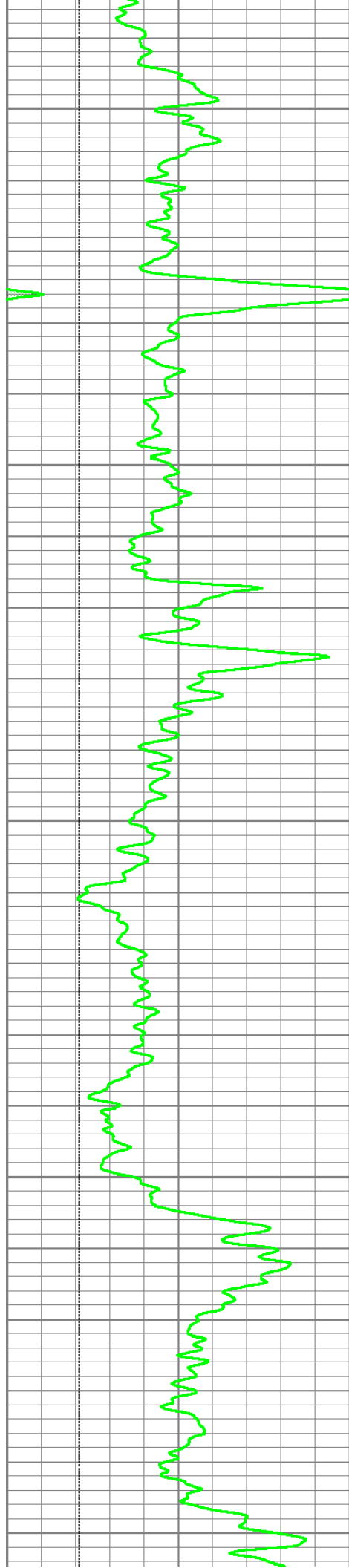
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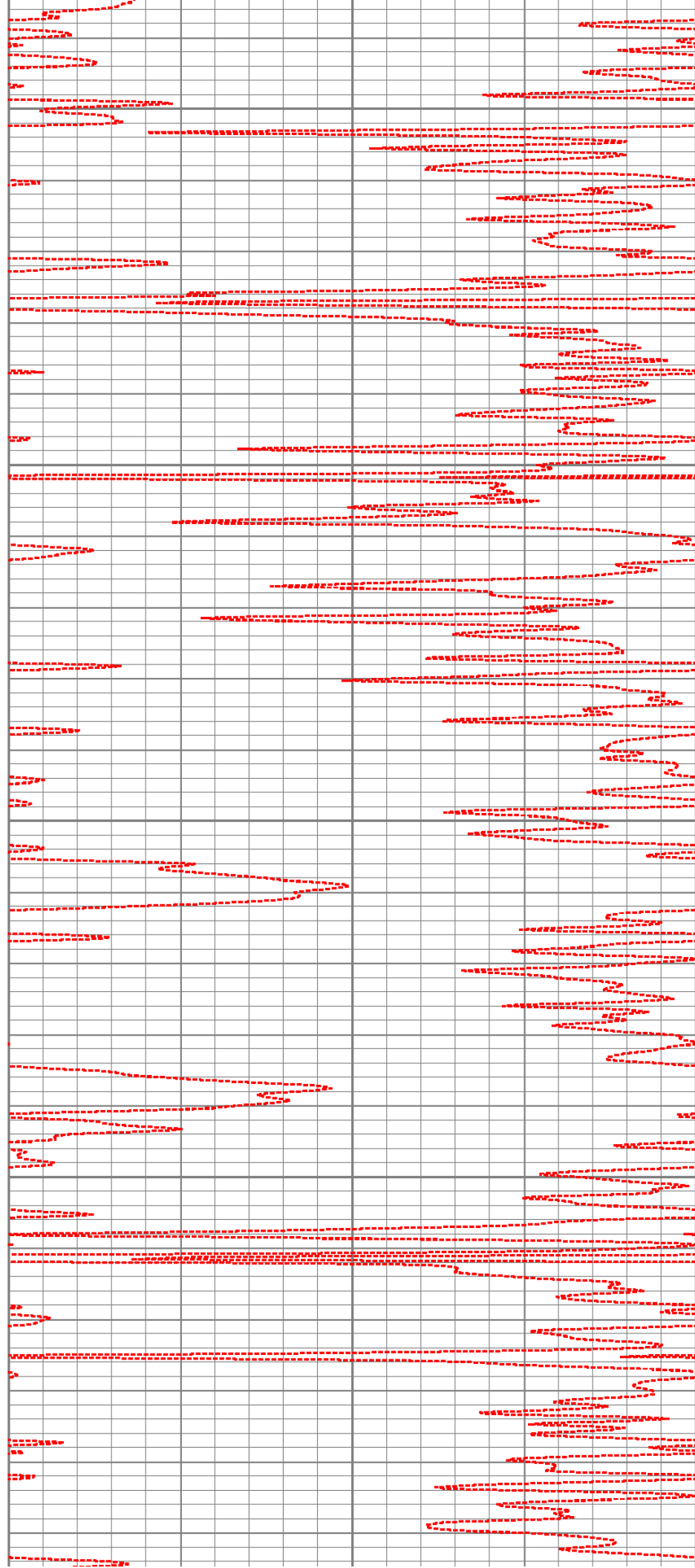
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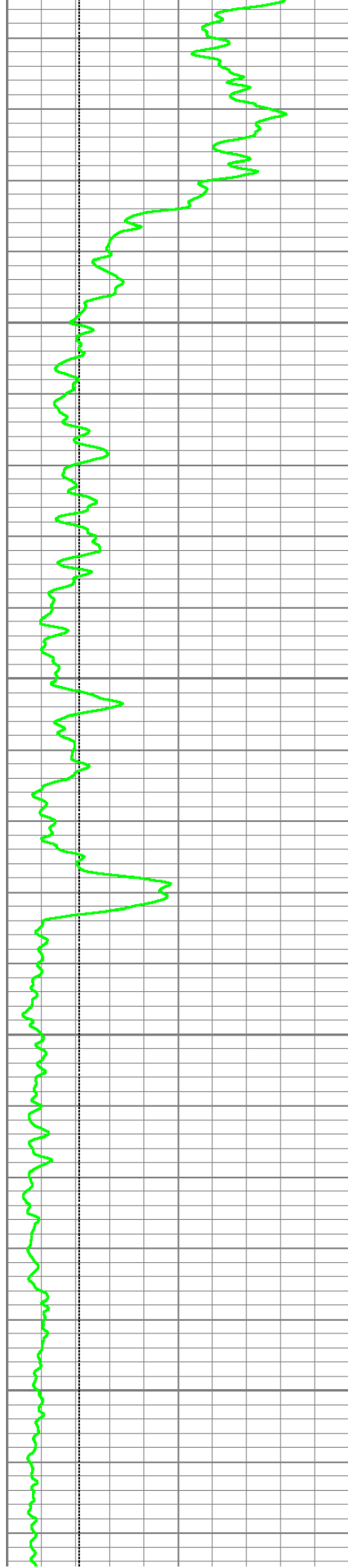
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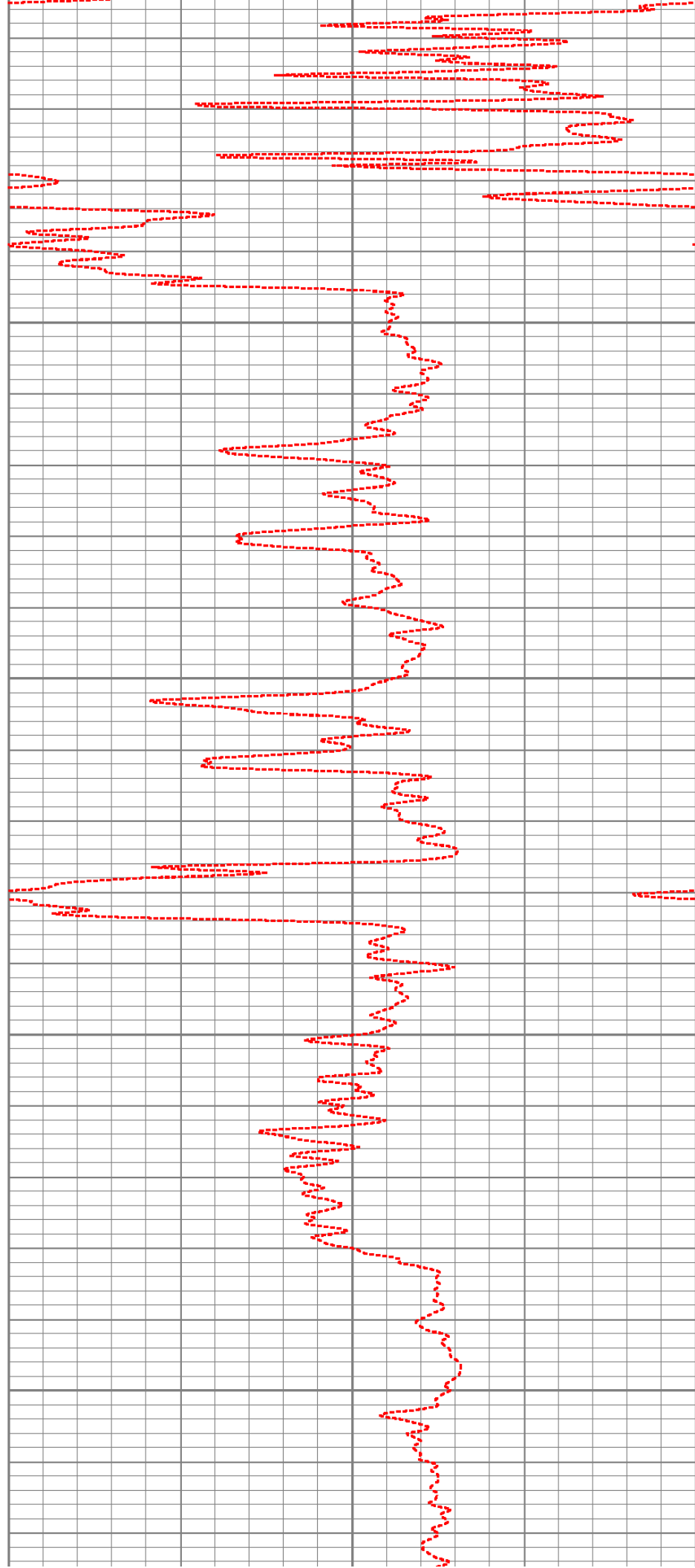


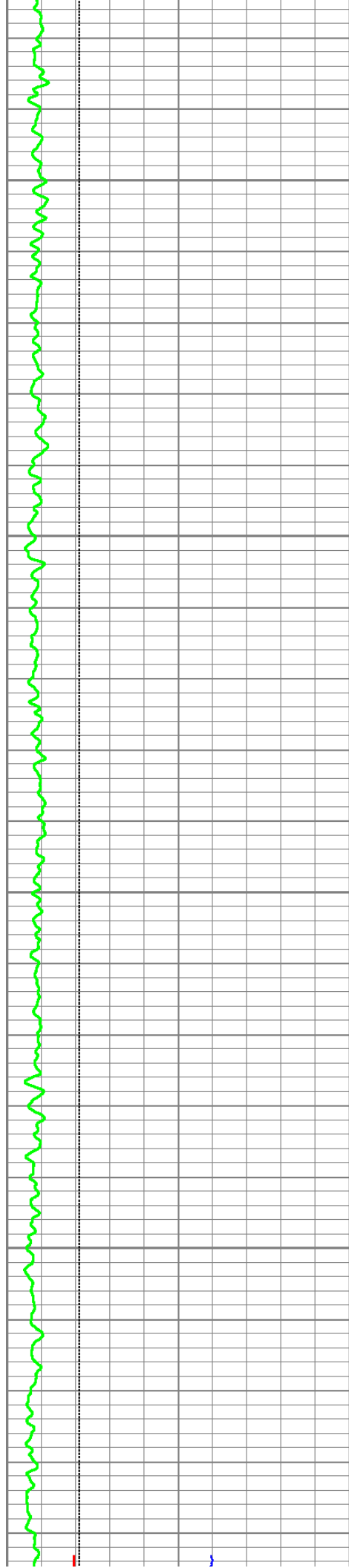
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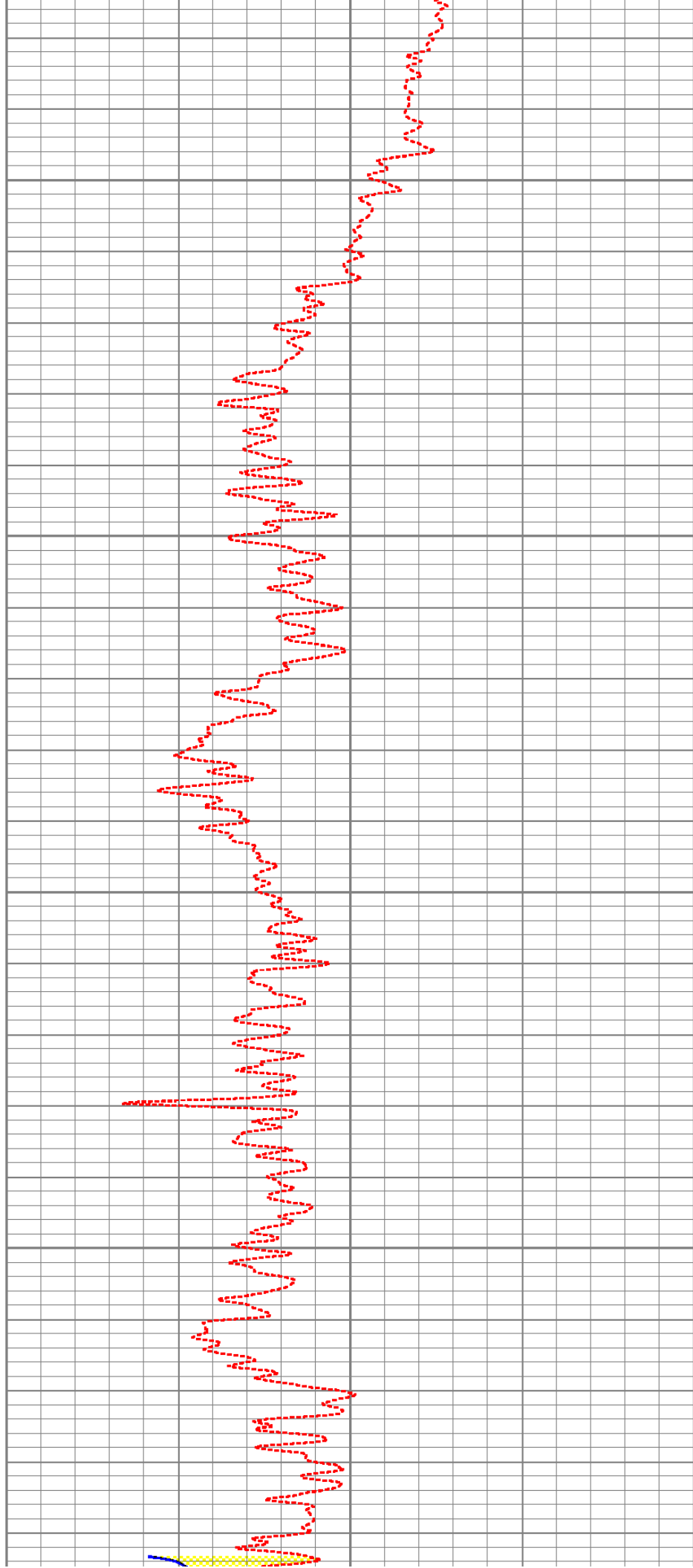


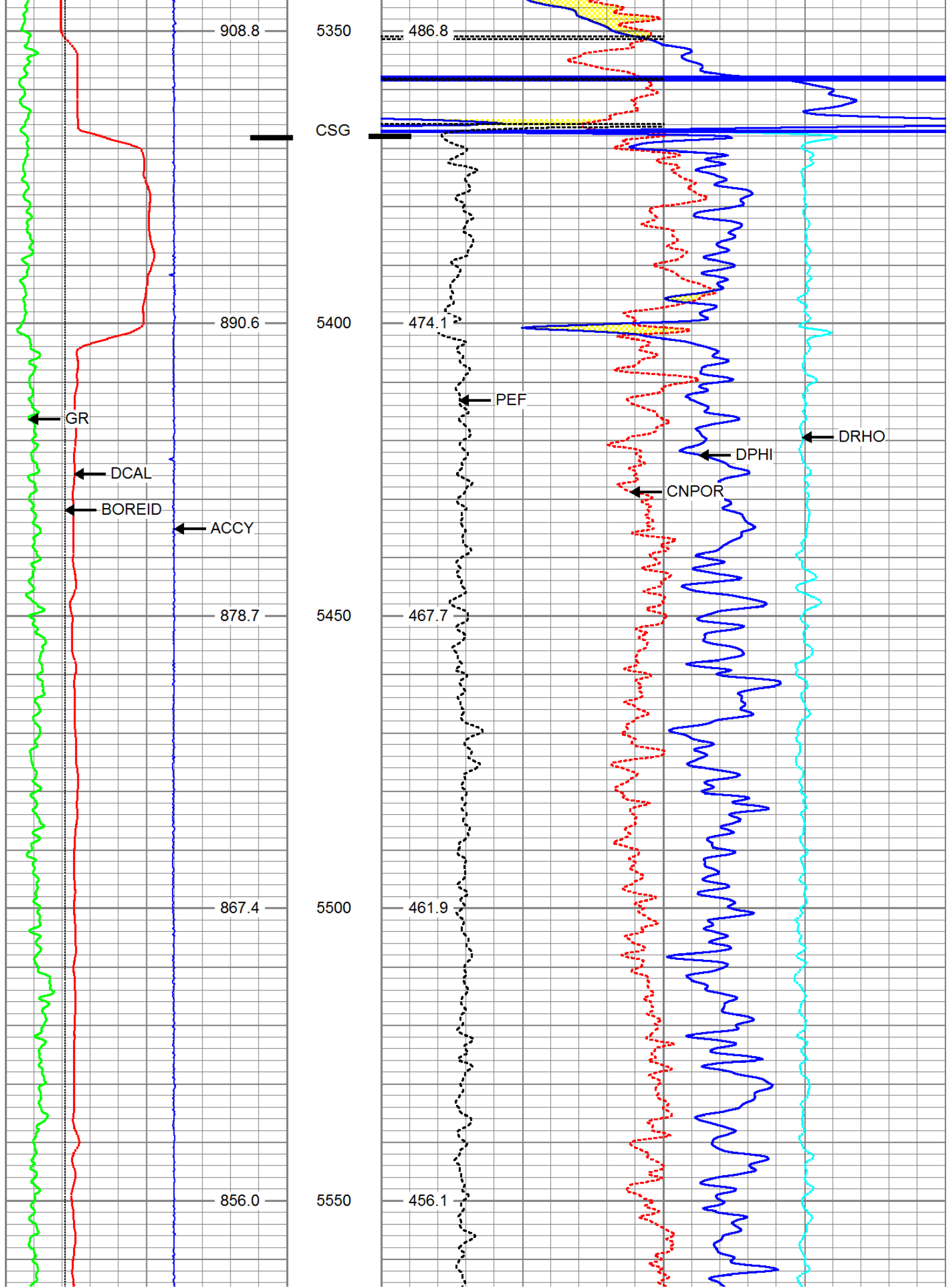
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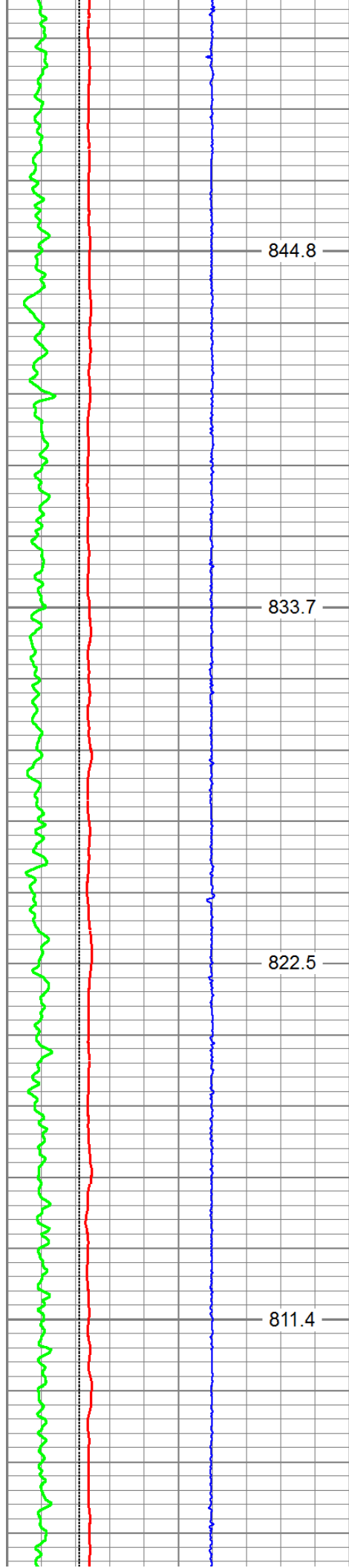
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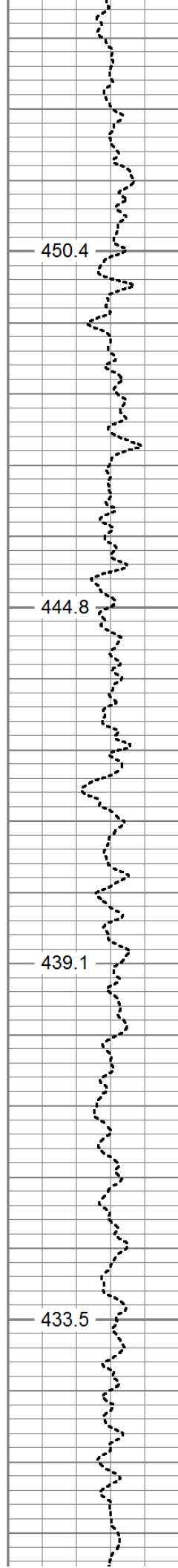


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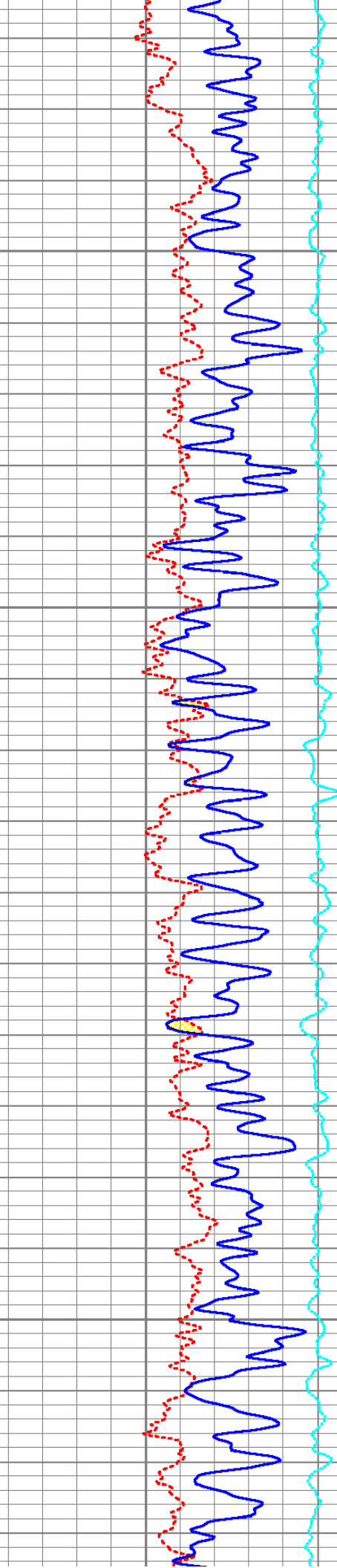


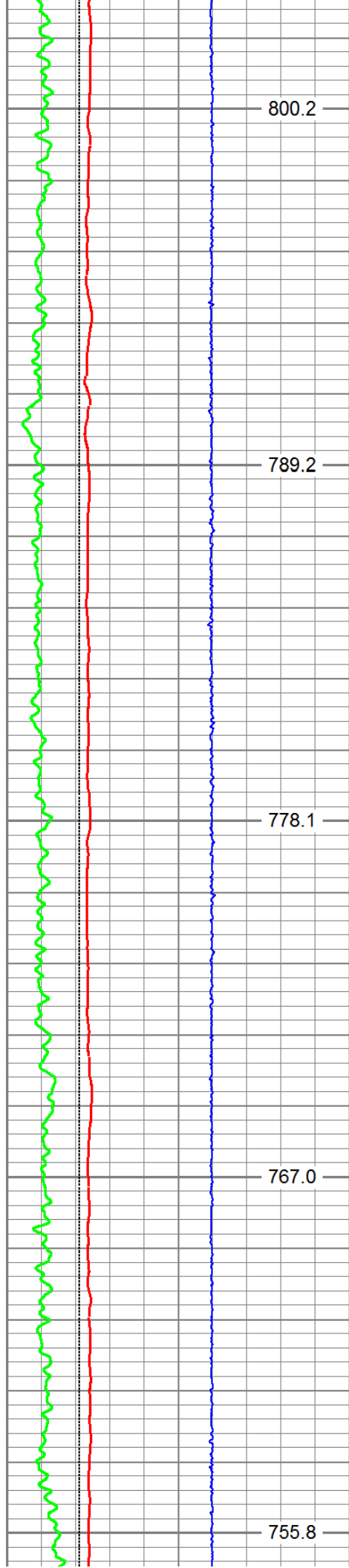
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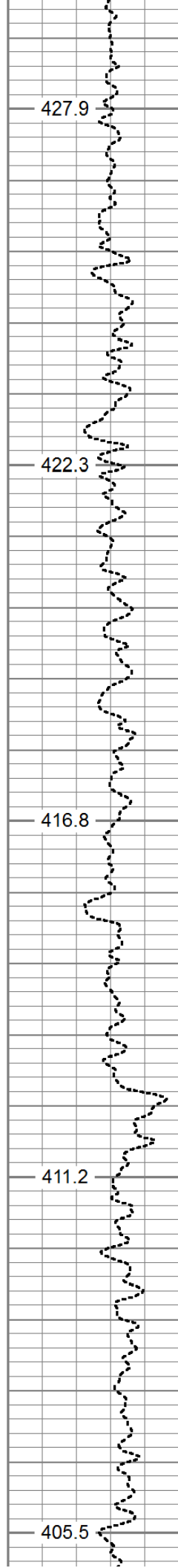
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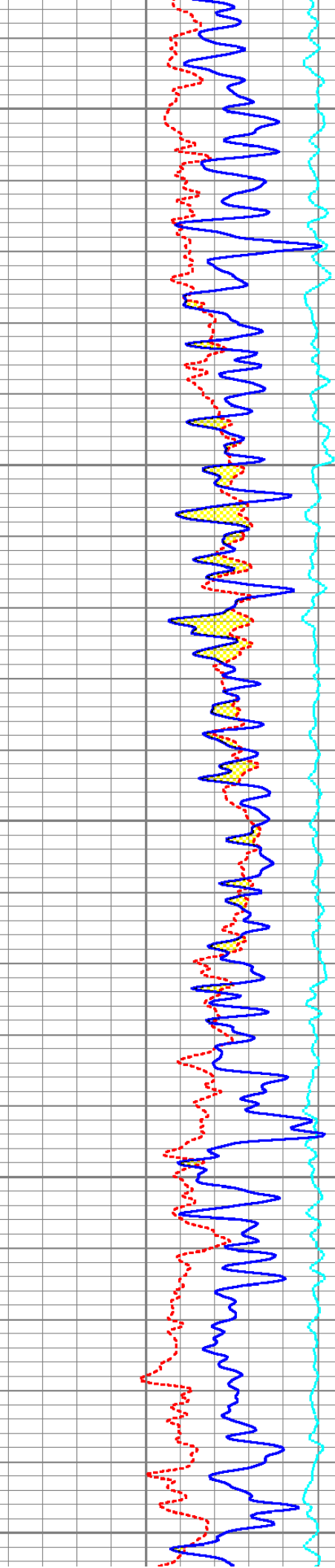
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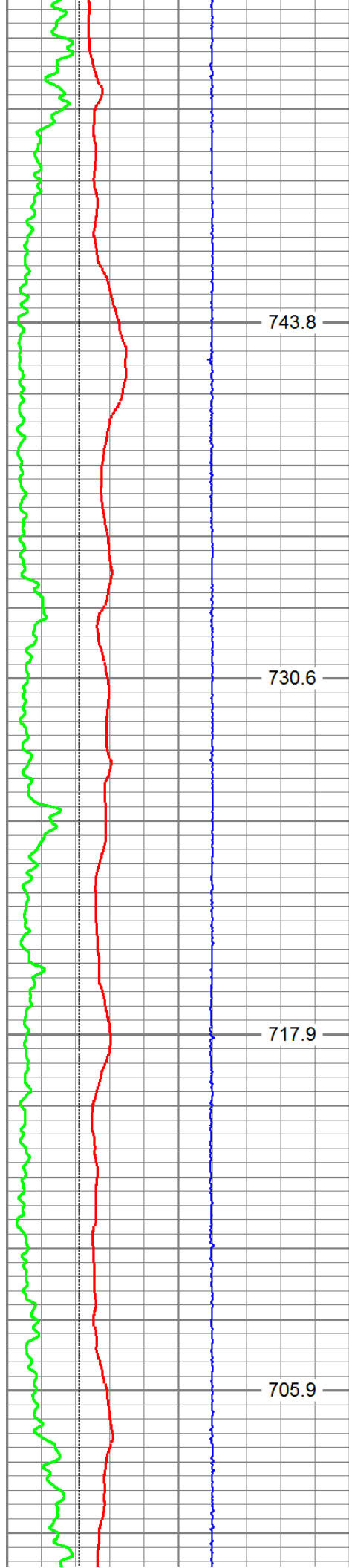
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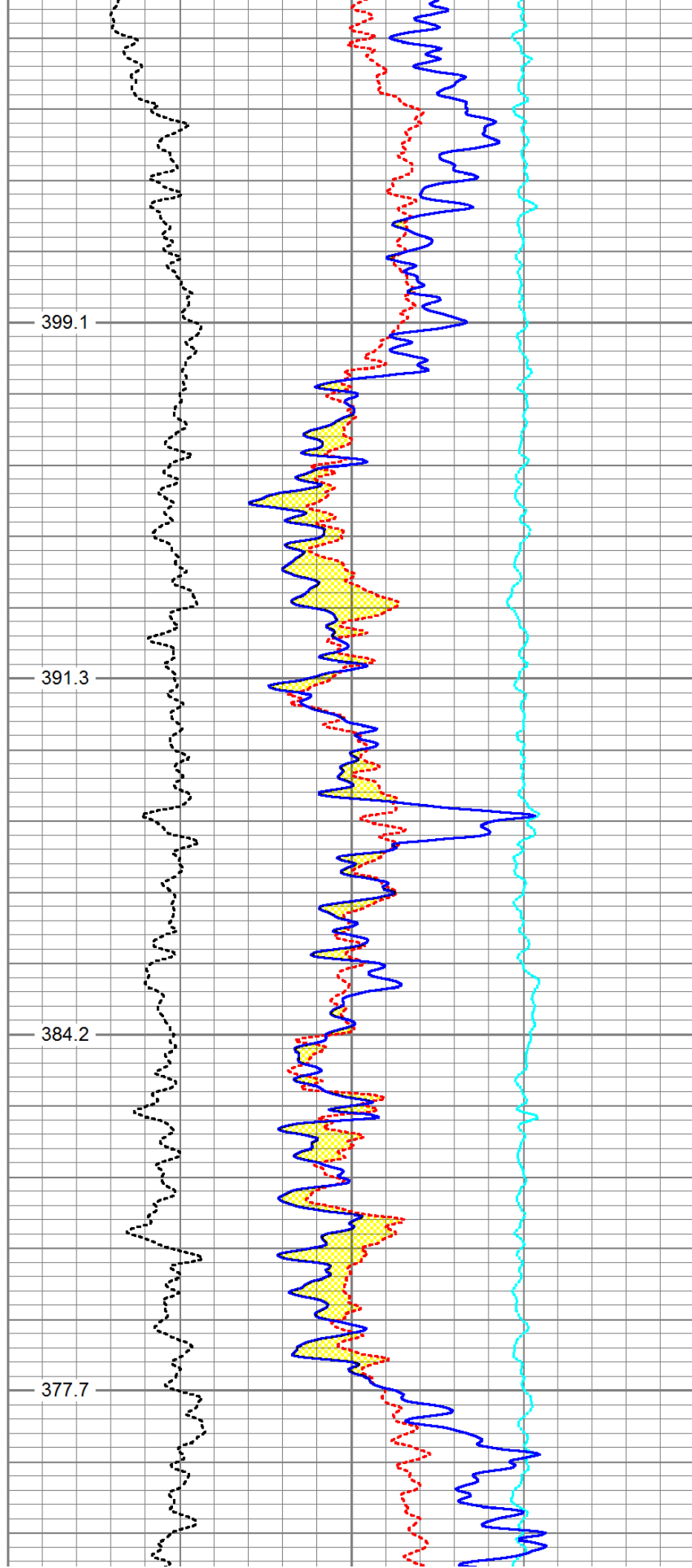


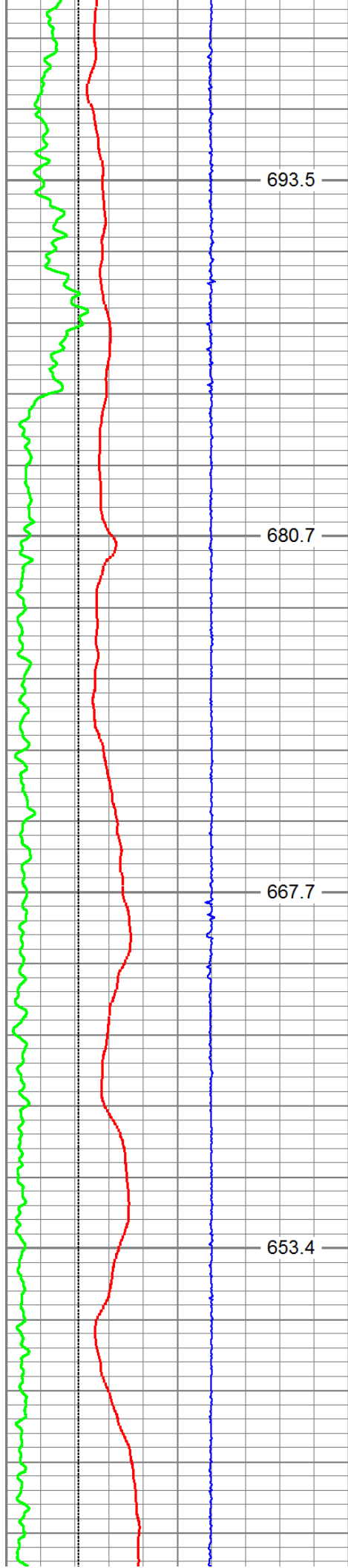
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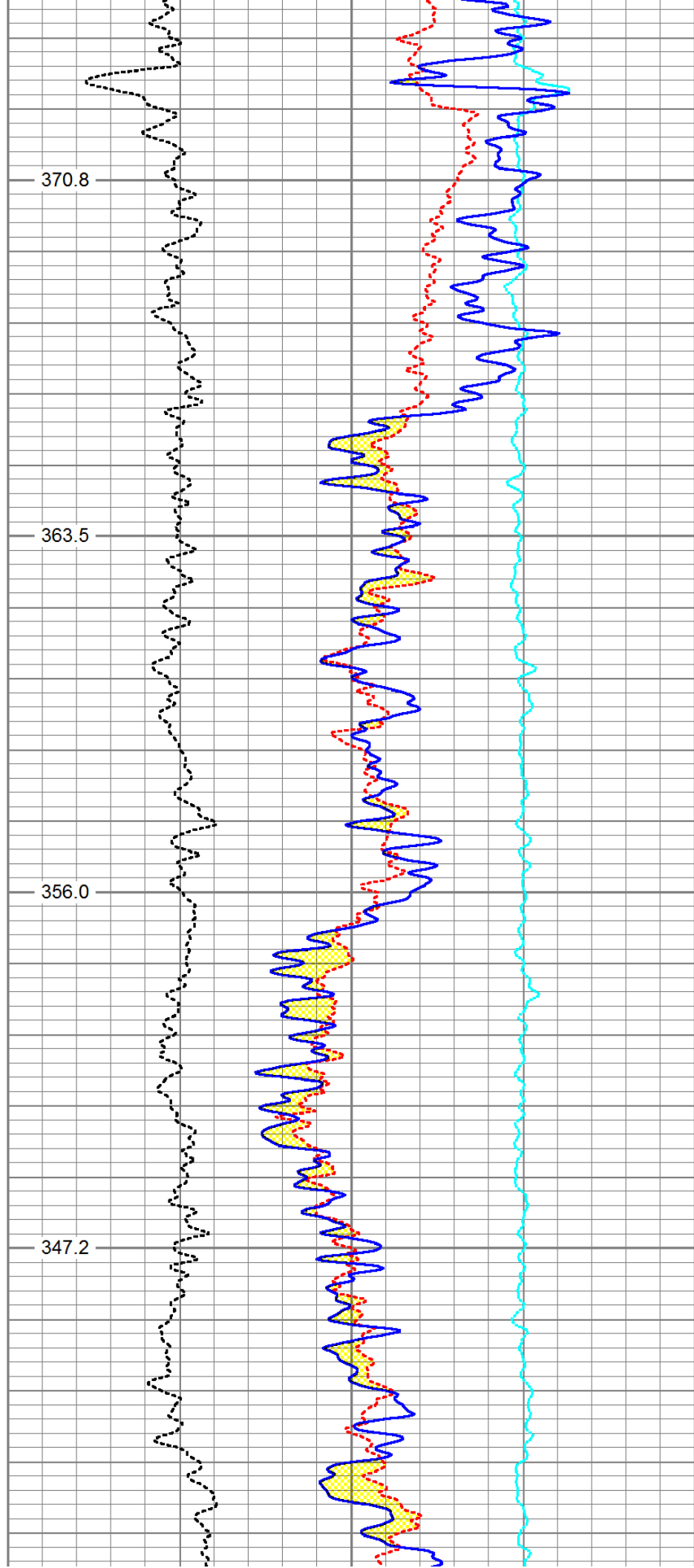


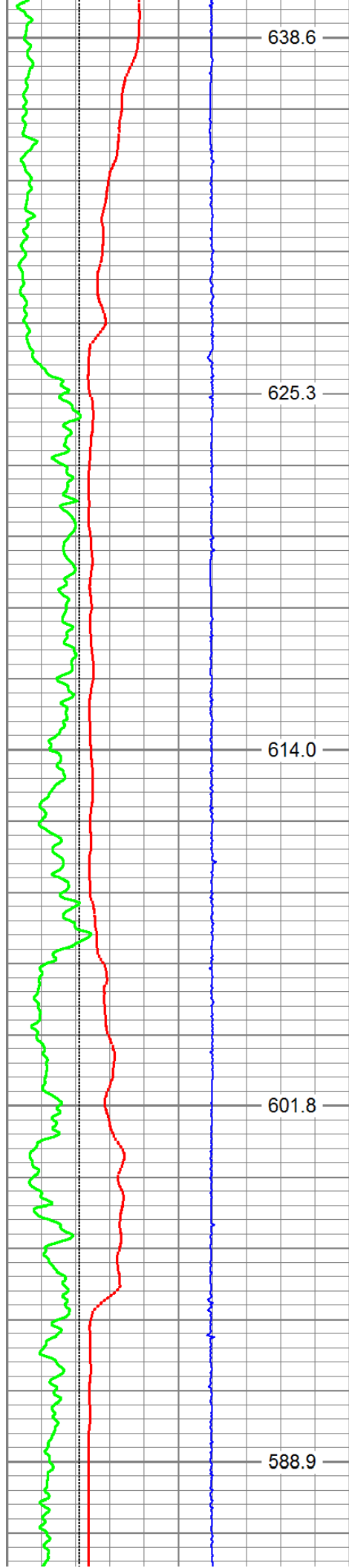
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6350

6400





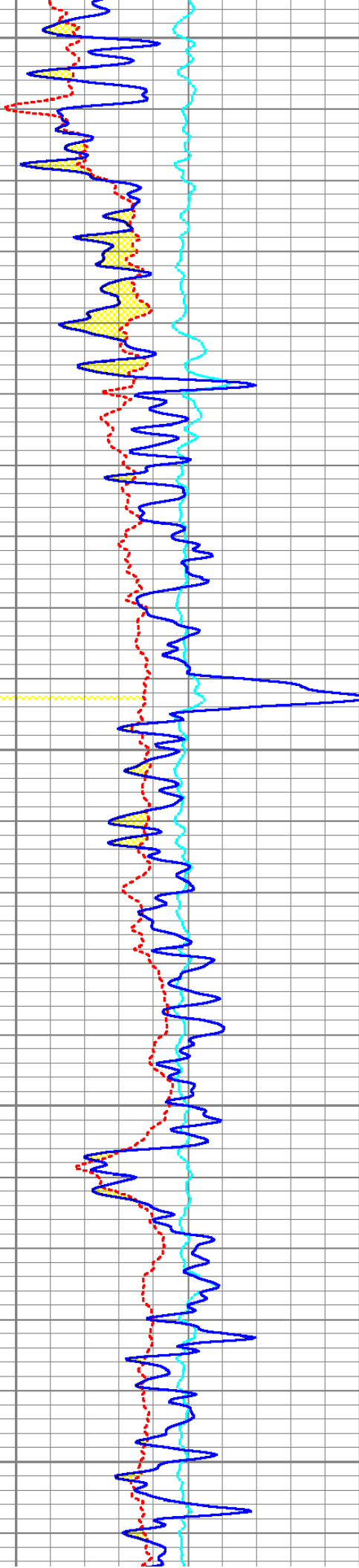
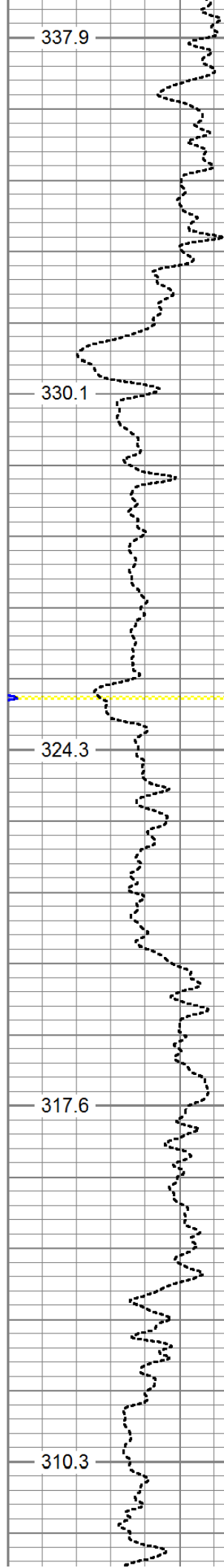
6450

6500

6550

6600

6650



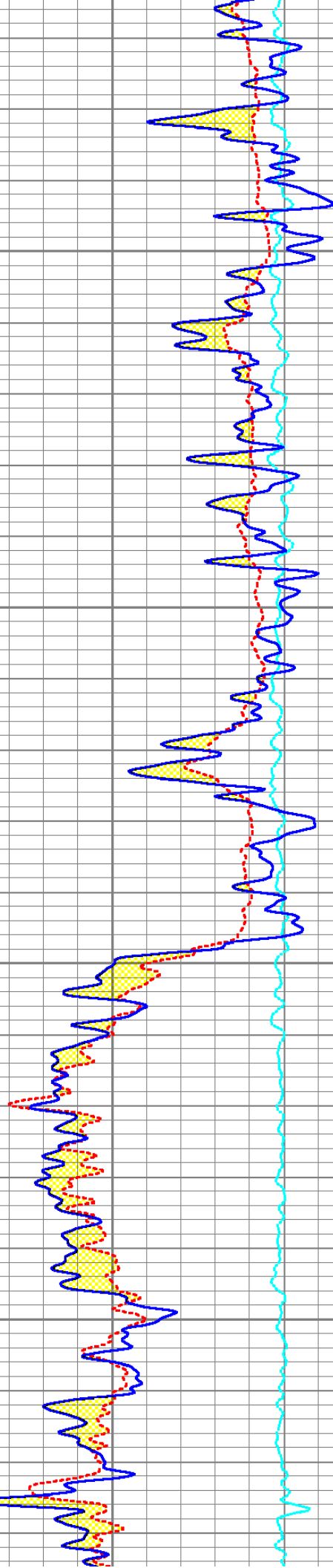
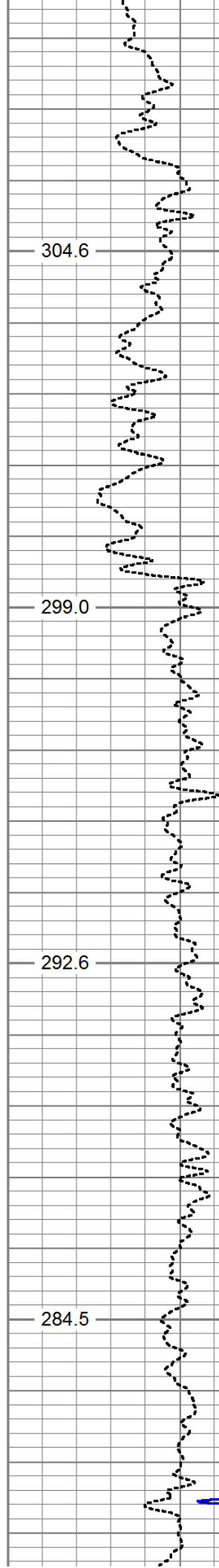


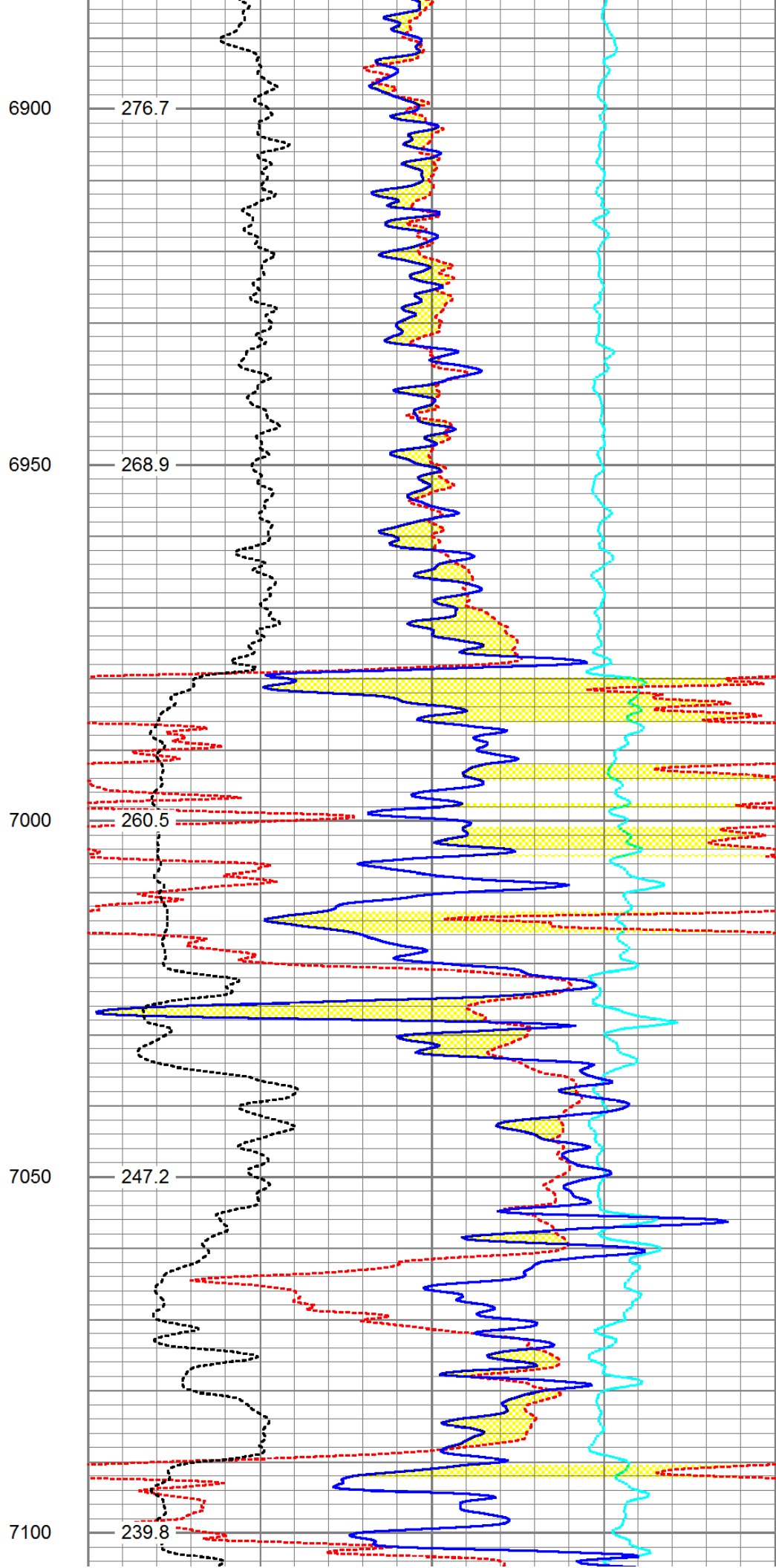
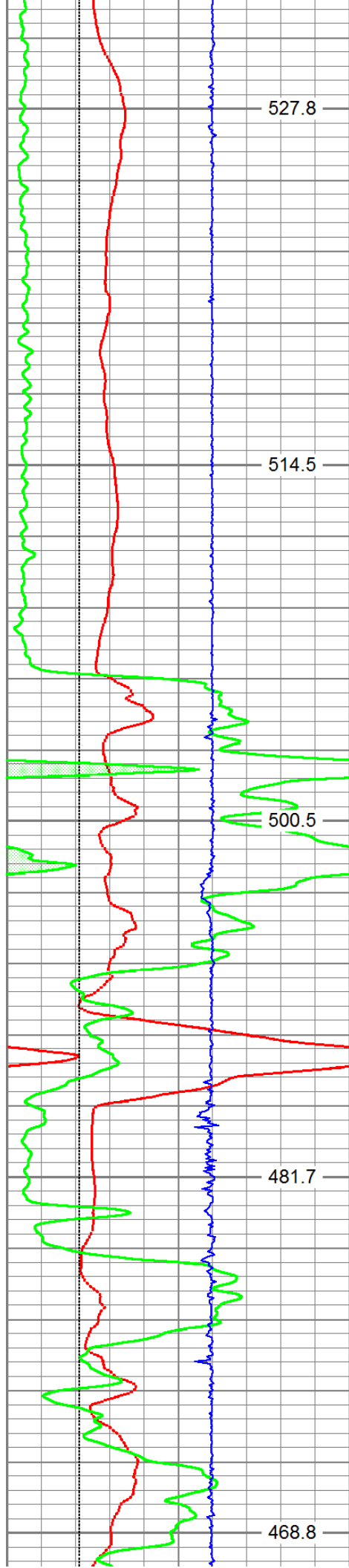
6700

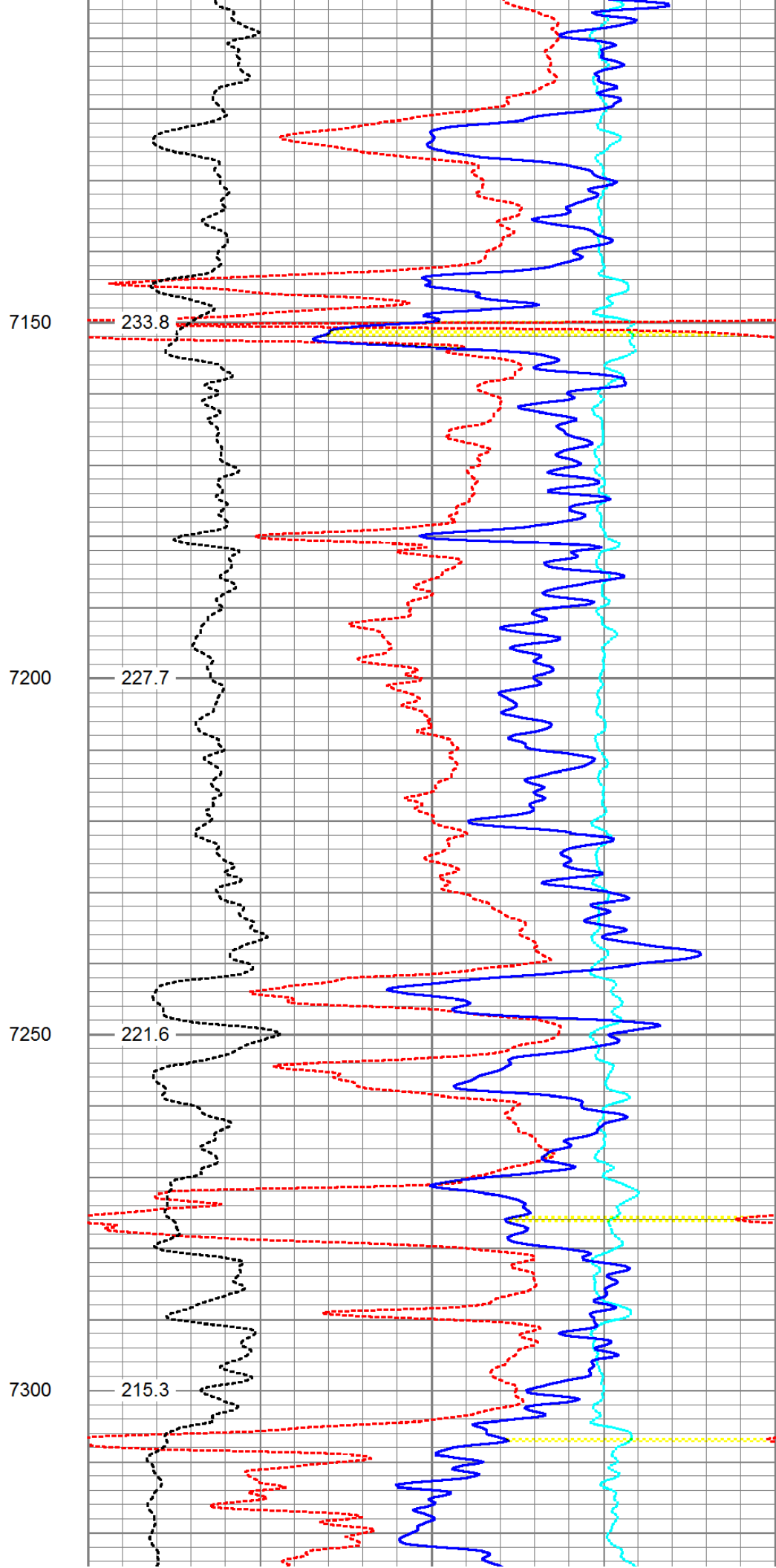
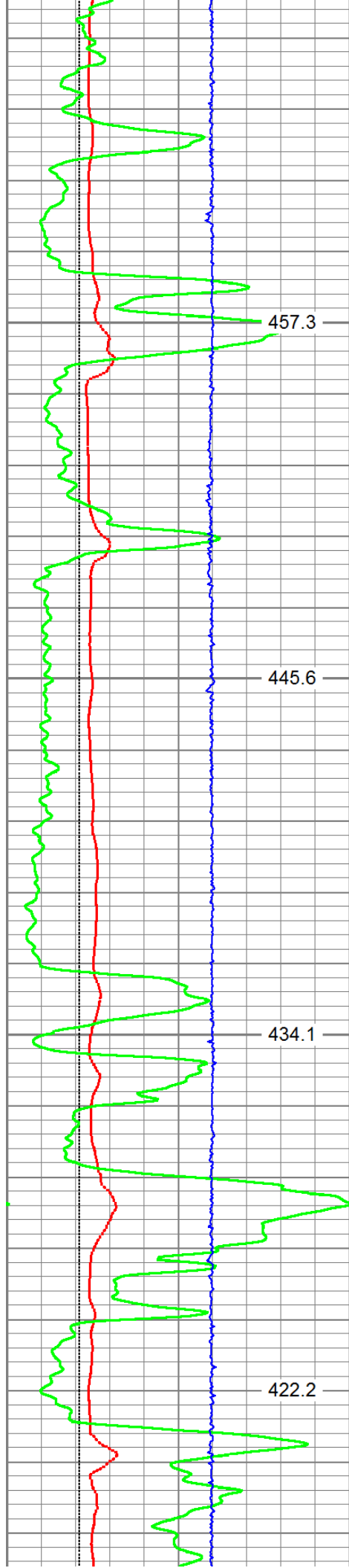
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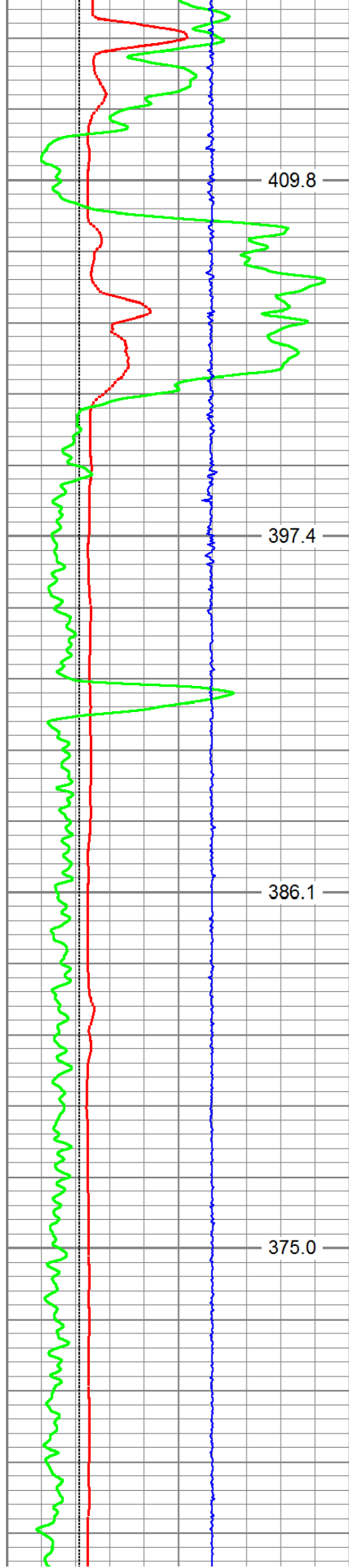
6800

6850









7350

409.8

7400

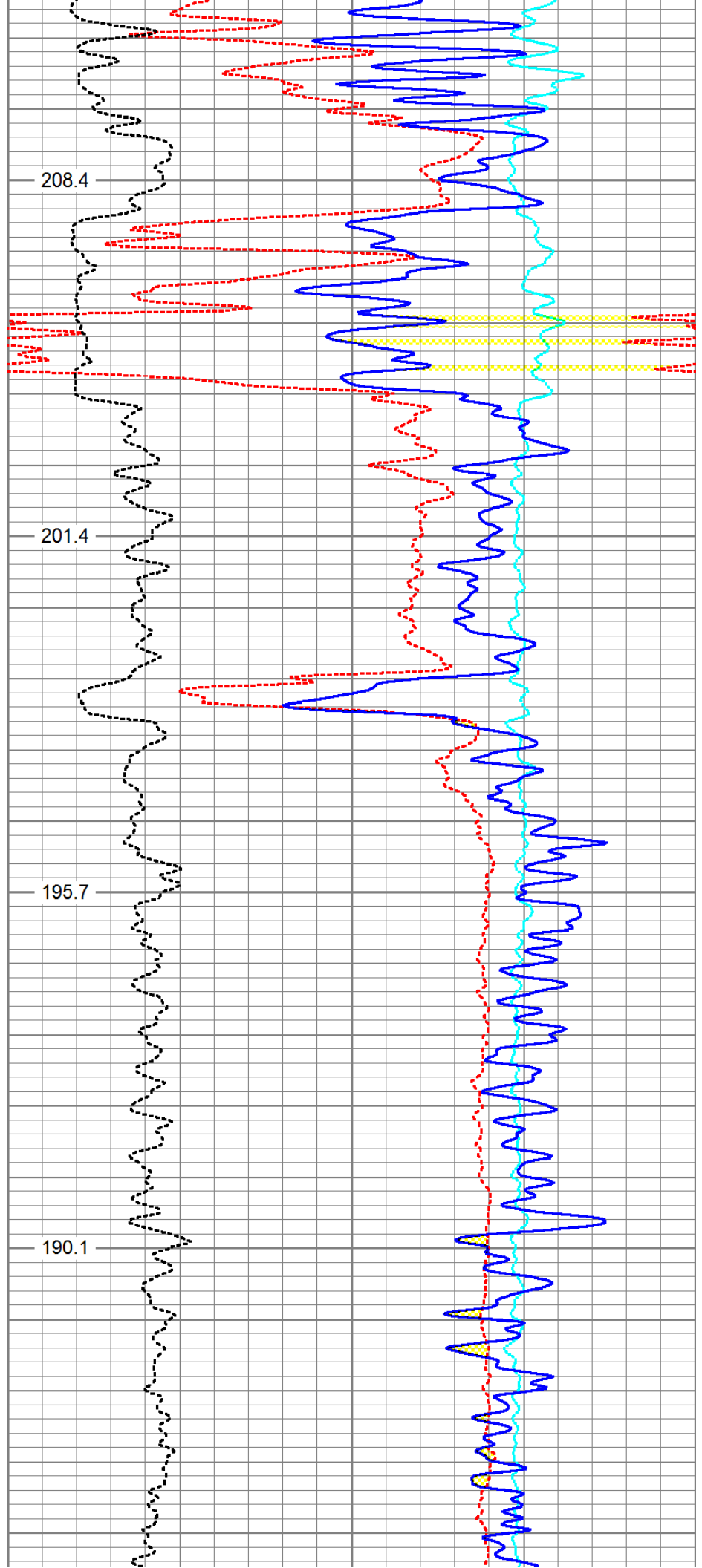
397.4

7450

386.1

7500

375.0

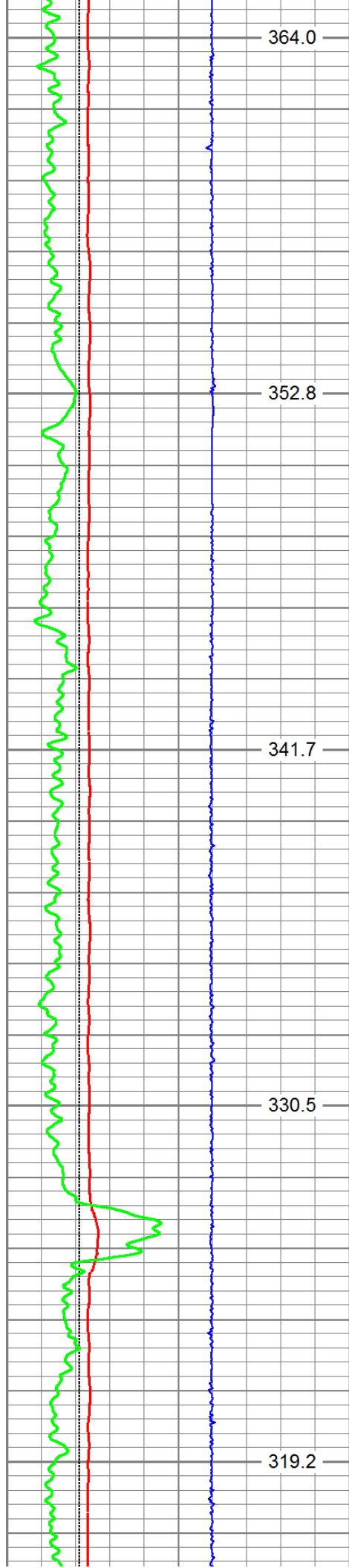


208.4

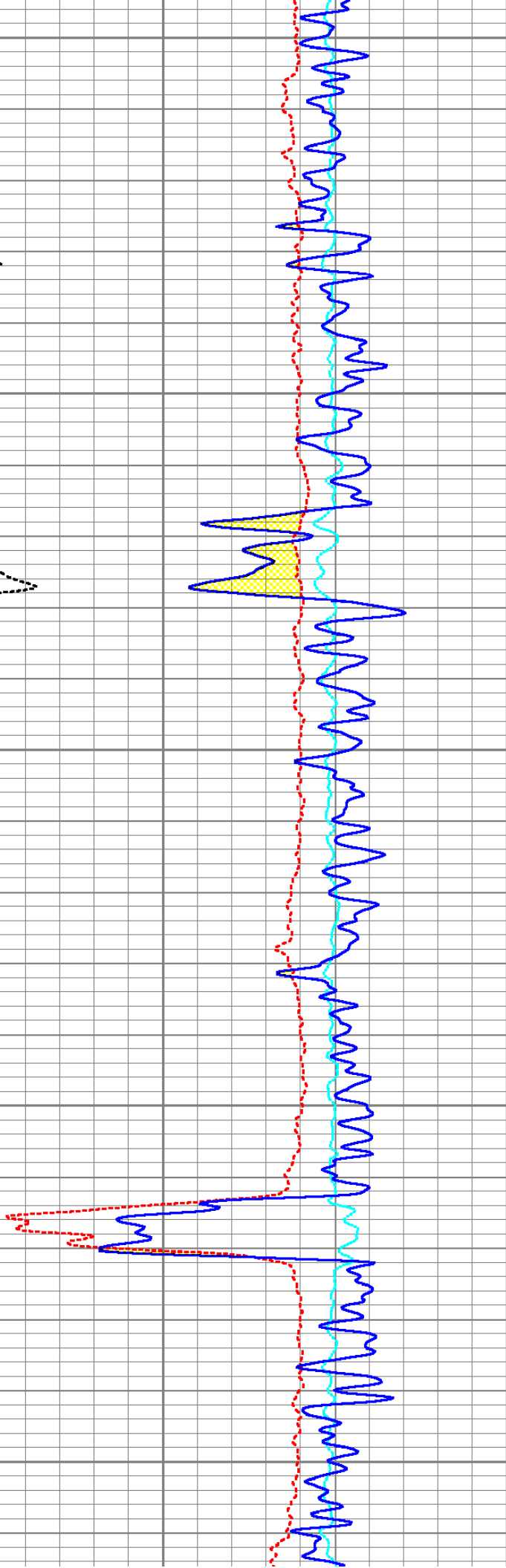
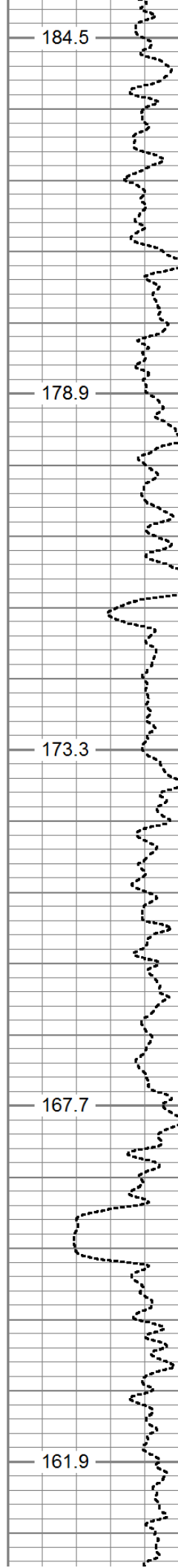
201.4

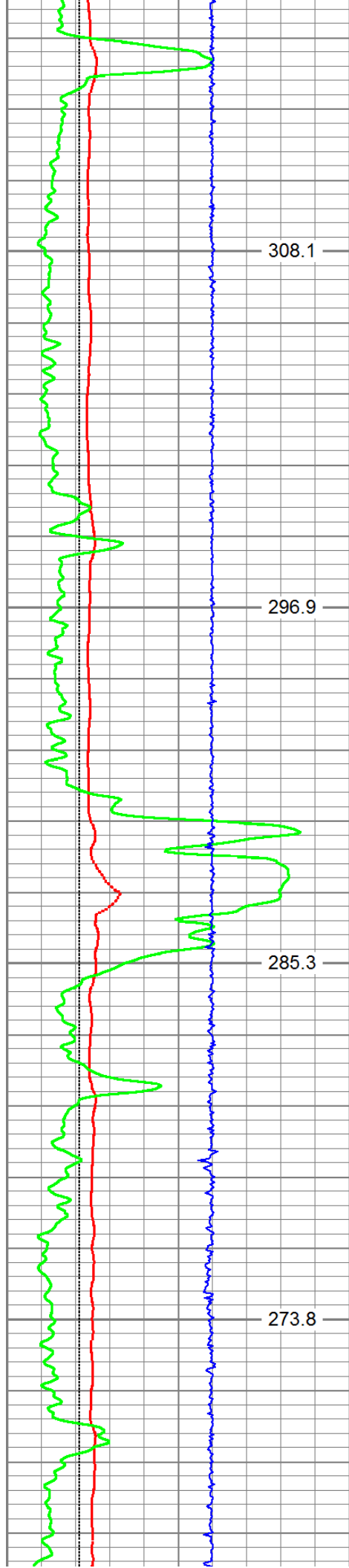
195.7

190.1



7550 7600 7650 7700 7750



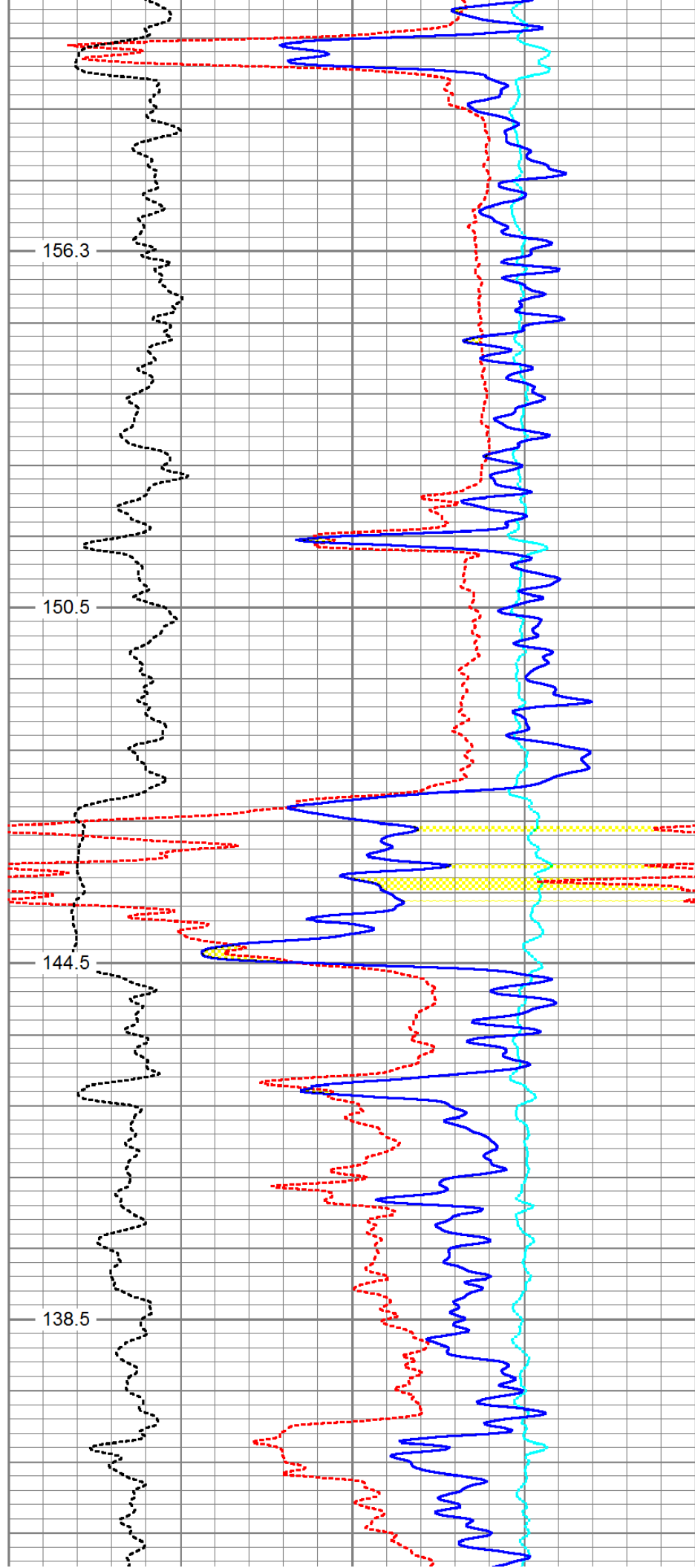


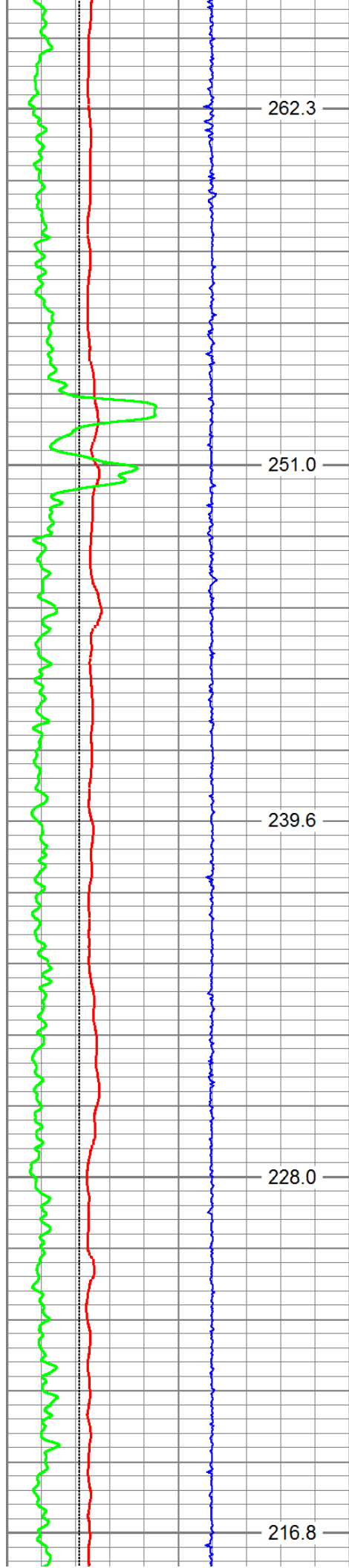
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7850

7900

7950





8000

8050

8100

8150

8200

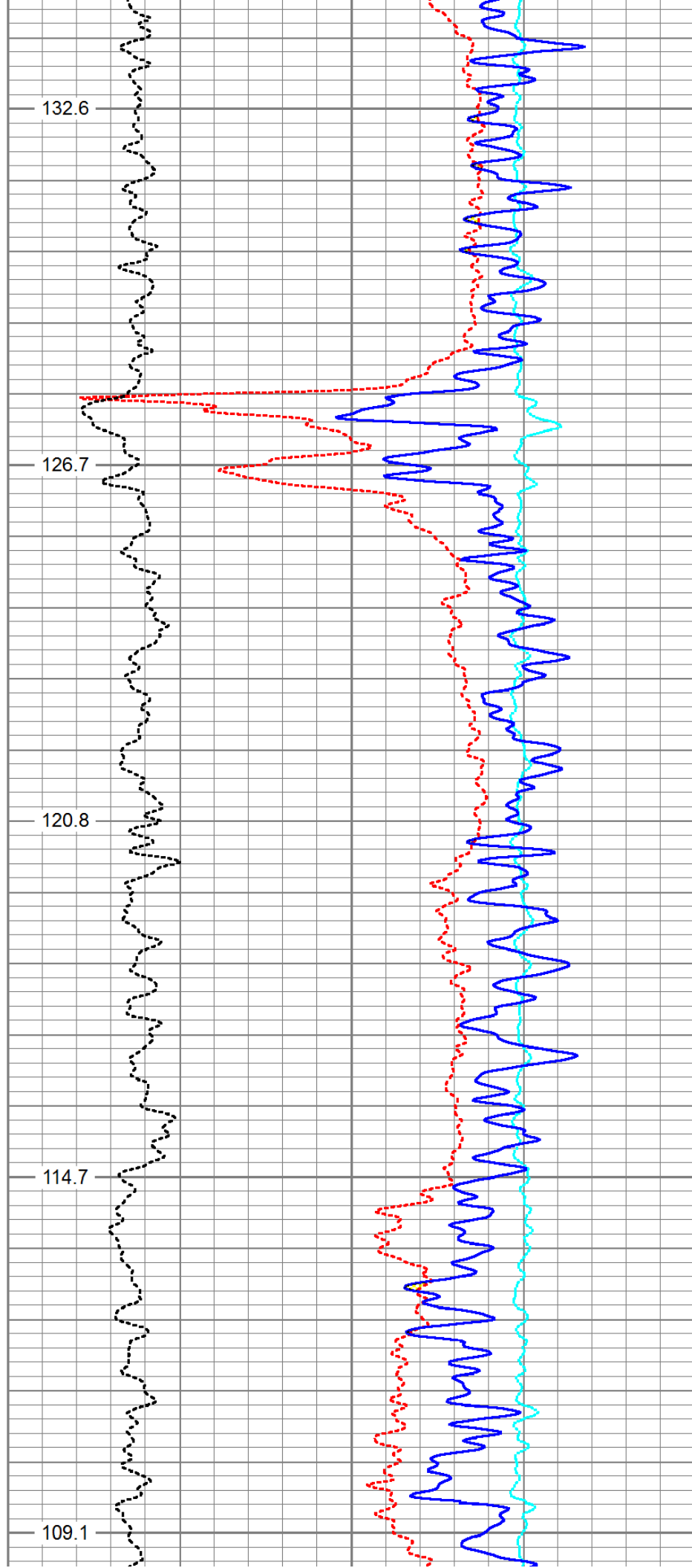
262.3

251.0

239.6

228.0

216.8



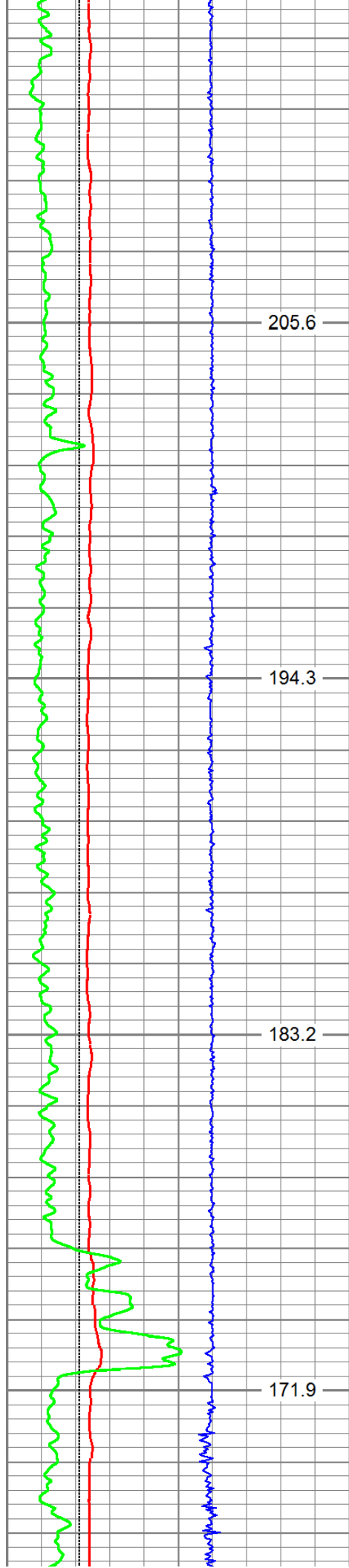
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126.7

120.8

114.7

109.1

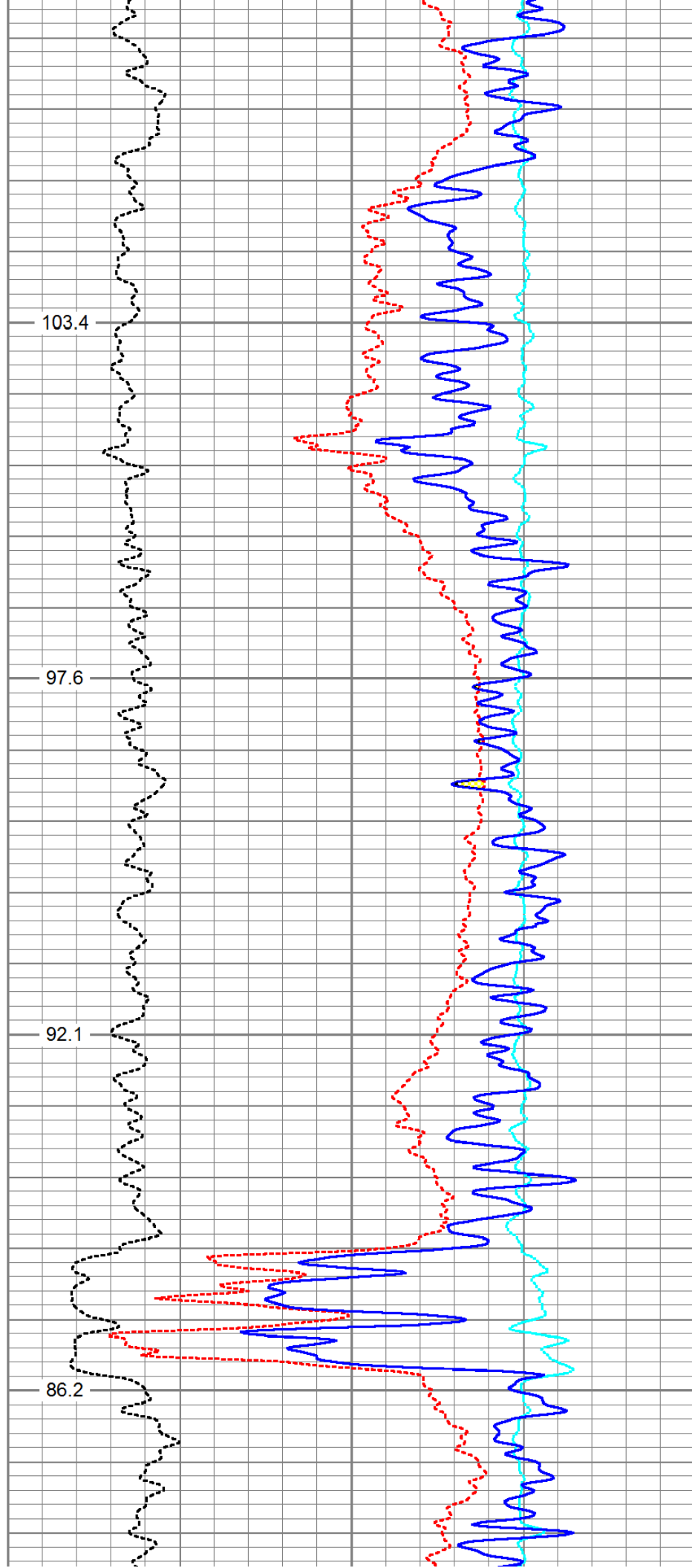


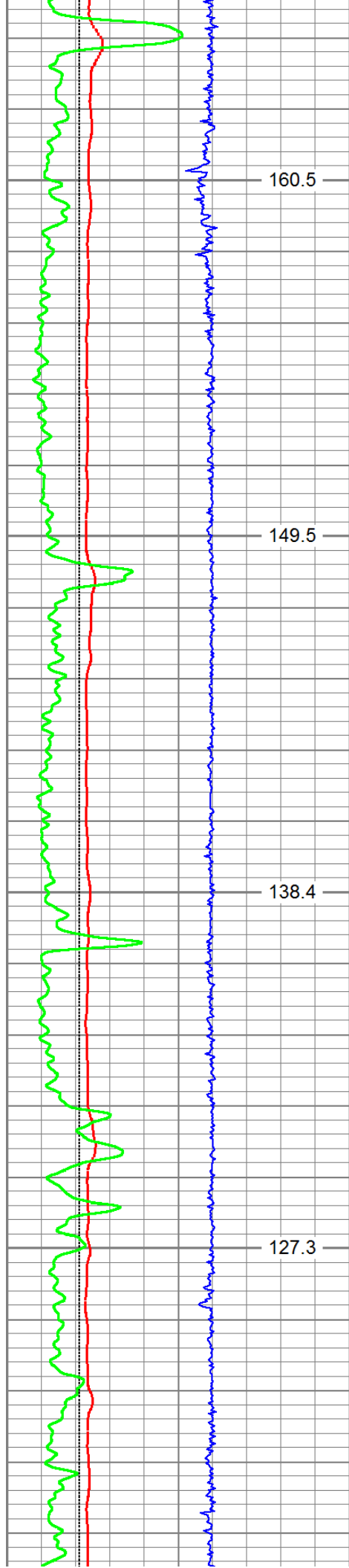
8250

8300

8350

8400





8450

8500

8550

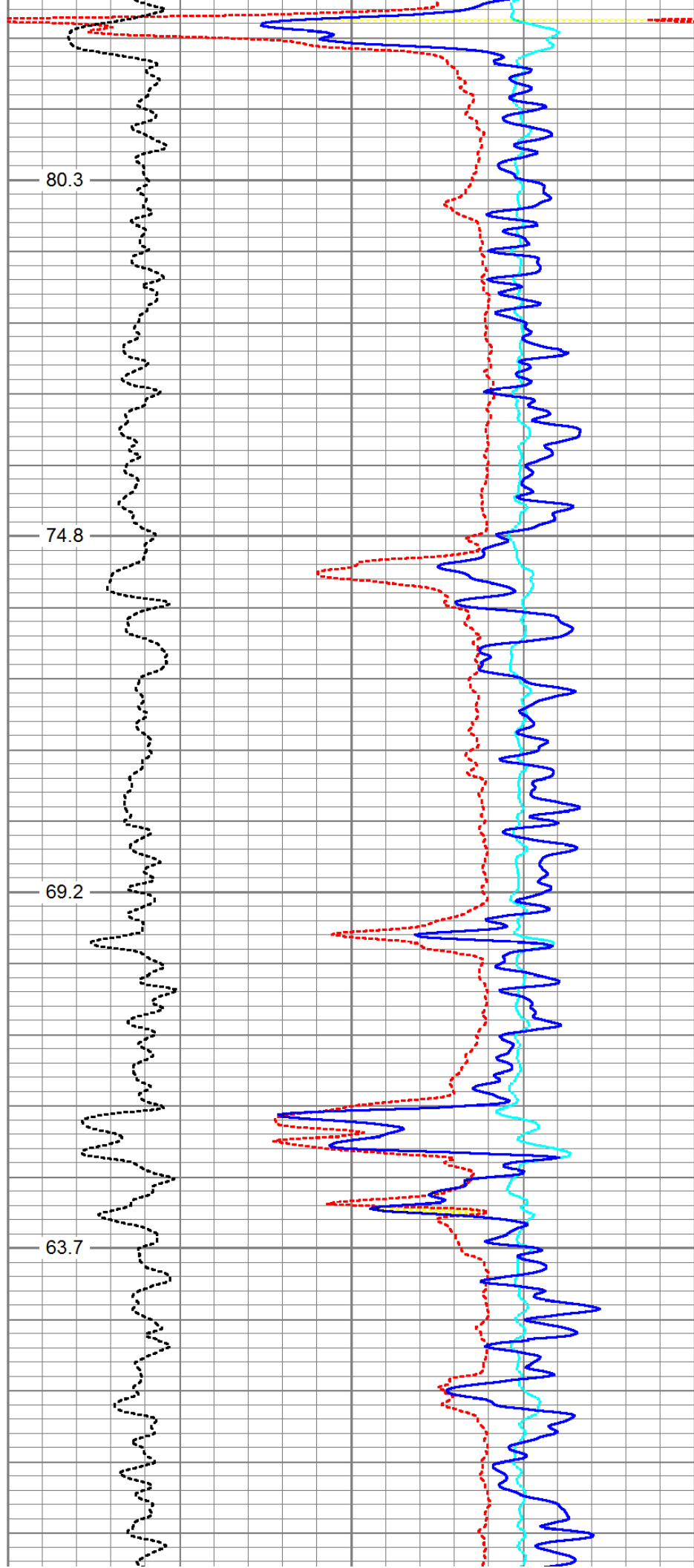
8600

160.5

149.5

138.4

127.3



80.3

74.8

69.2

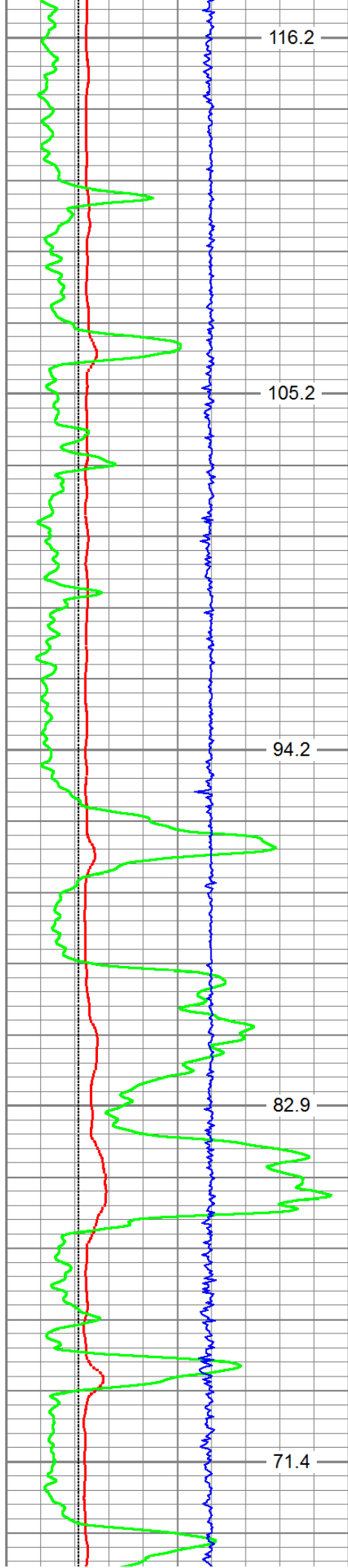
63.7

8450

8500

8550

8600



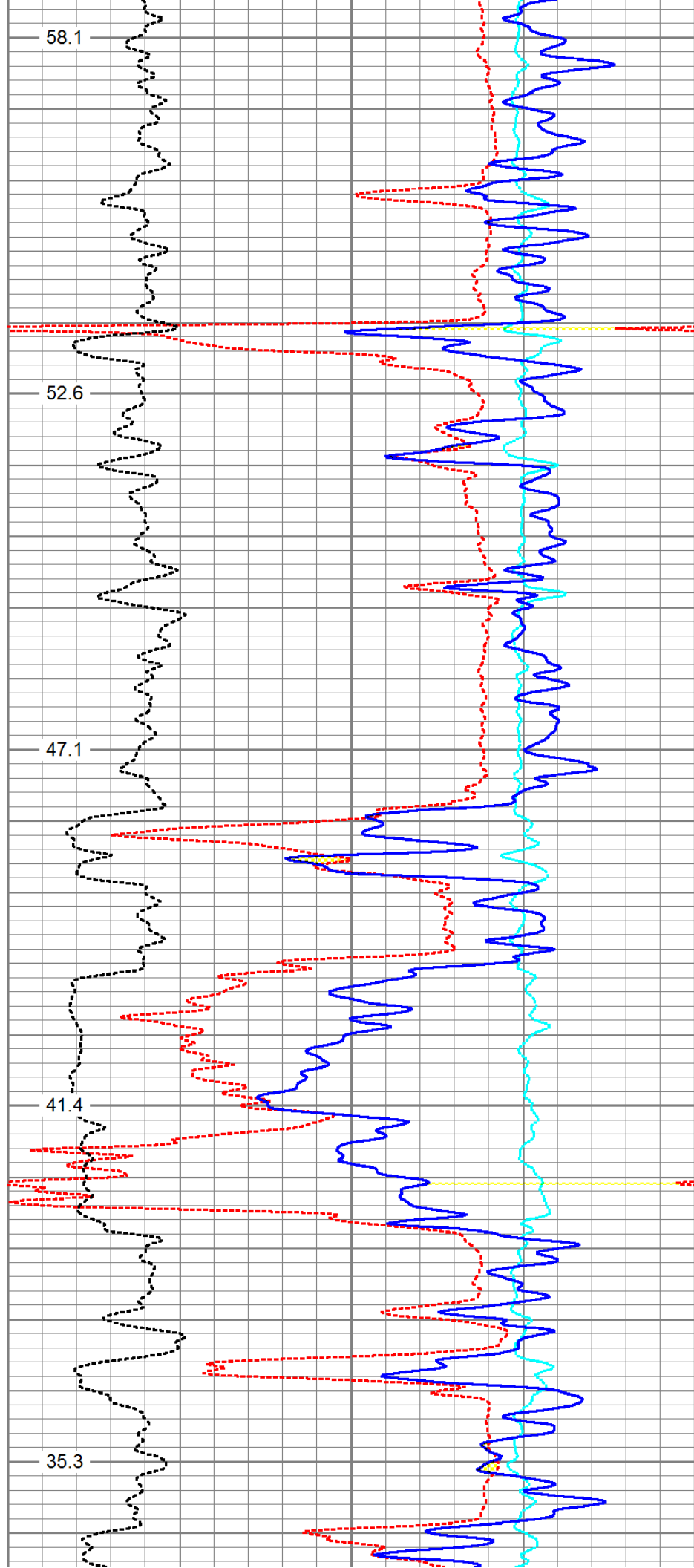
8650

8700

8750

8800

8850



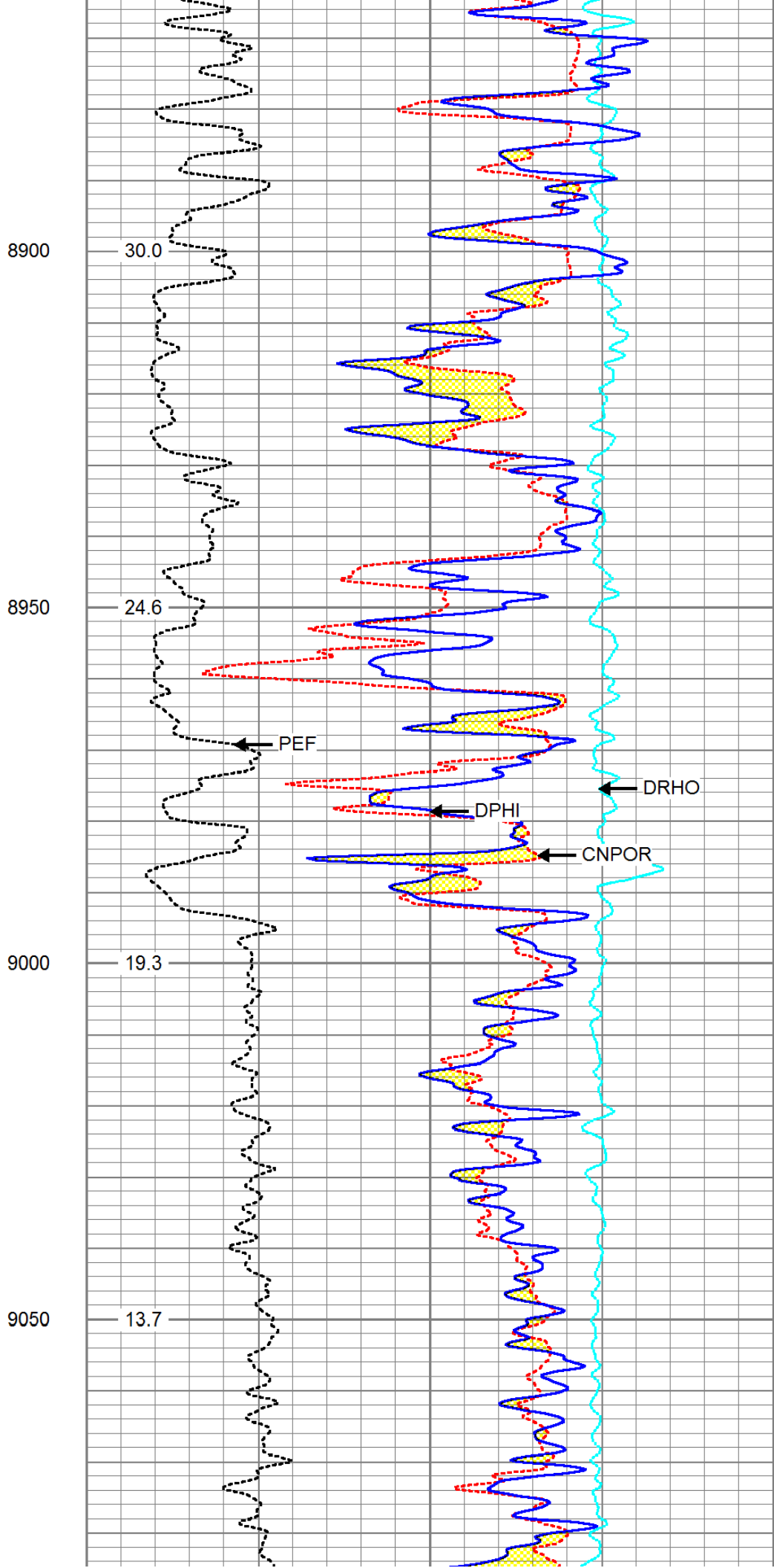
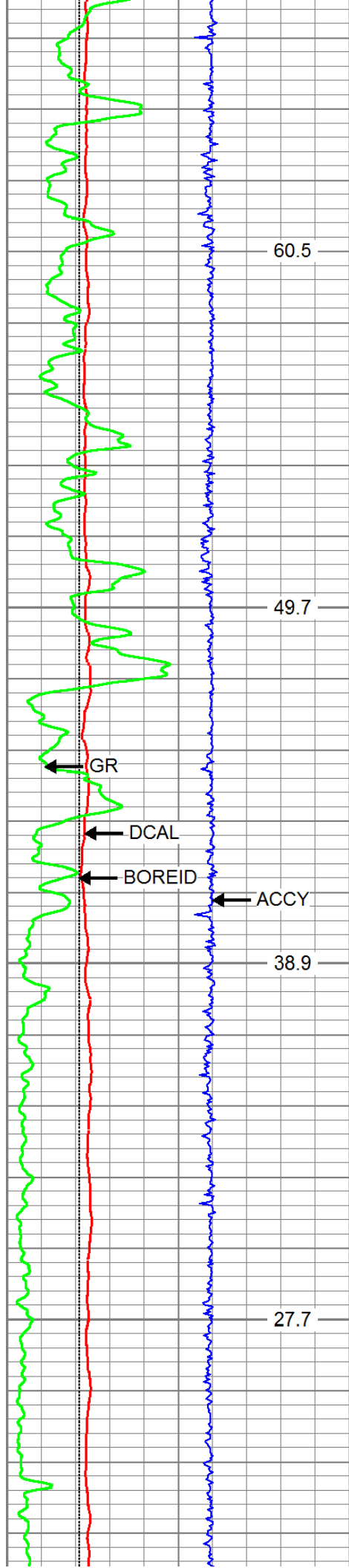
58.1

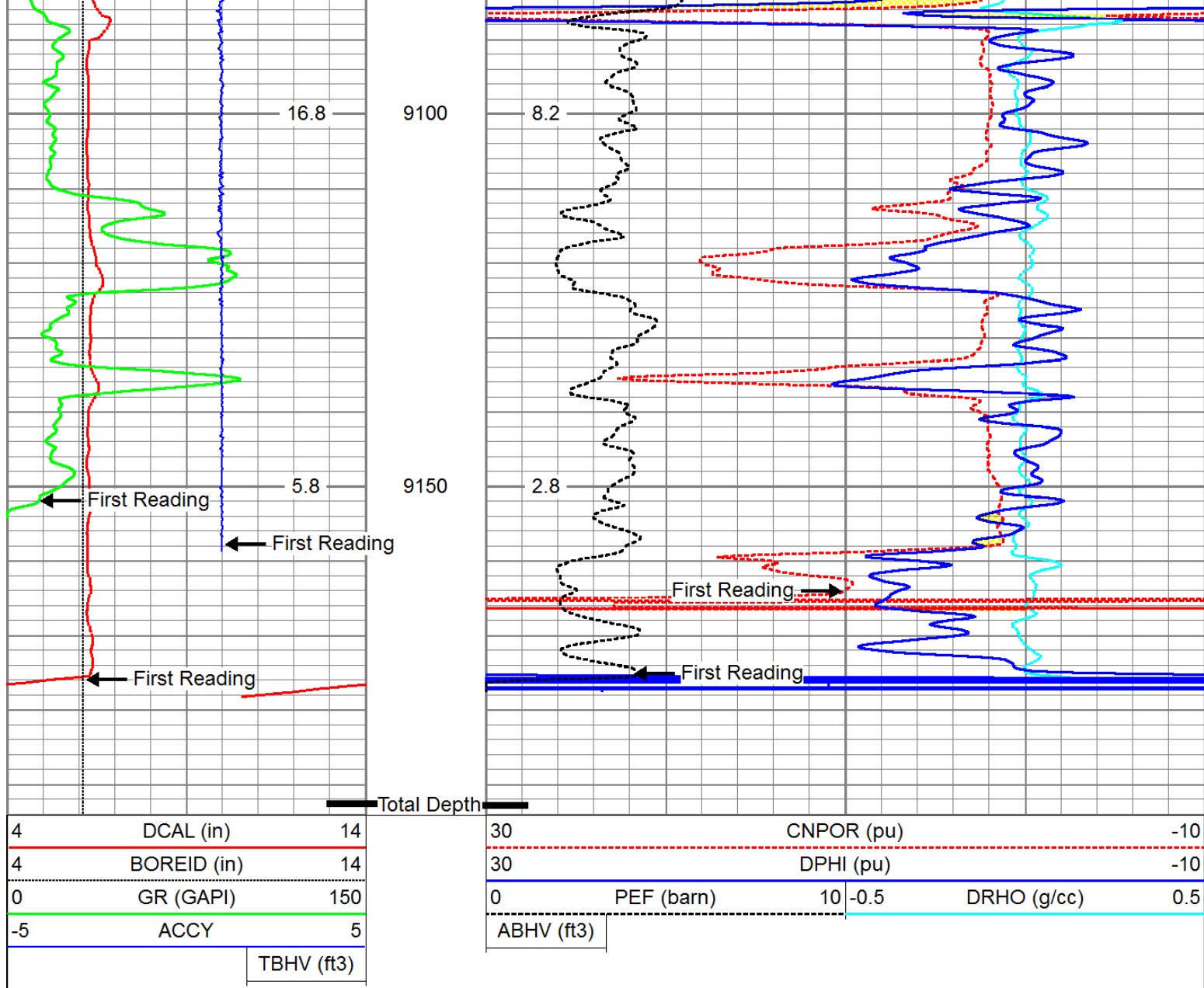
52.6

47.1

41.4

35.3





## Log Variables

Database: c:\users\kris.wetzel\desktop\taylor 3406 3-29h\sandridge\_taylor\_3406\_3-29h\_mem.db  
Dataset: field/well/proc1/pass1.2

### Top - Bottom

|                         |                       |                       |                        |                         |                          |                         |
|-------------------------|-----------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------|
| A                       | BHCOR                 | BHFL_TYPE             | BHFLRES<br>Ohm-m       | BHFLRESSRC              | BHIDSRC                  | BOREID<br>in            |
| 1                       | On                    | WBM                   | 1                      | MUDCELL                 | CURVE                    | 6.125                   |
| BOTTEMP<br>degF<br>108  | CASED?<br>No          | CASEOD<br>in<br>4.5   | CASETHCK<br>in<br>0    | CEMWATERSA<br>kppm<br>0 | CMNTTHCK<br>in<br>0      | DNBHC?<br>NO            |
| DPORSEL<br>RHOB         | FLUIDDEN<br>g/cc<br>1 | FRMSALIN<br>kppm<br>0 | LATNOR<br>Off          | M<br>2                  | MATRXDEN<br>g/cc<br>2.71 | MUDSALIN<br>kppm<br>0.2 |
| MudWgt<br>lb/gal<br>8.3 | NPORSEL<br>Limestone  | PEBHC?<br>YES         | PERFS<br>0             | RESTMP SRC<br>INTERNAL  | SO<br>in<br>0.5          | SRFTEMP<br>degF<br>65   |
| SZCOR<br>On             | TDEPTH<br>ft<br>9233  | TMPCOR<br>On          | TOOLPOS<br>Ec-centered |                         |                          |                         |

## Calibration Report

Database File: c:\users\kris.wetzel\desktop\taylor 3406 3-29h\sandridge\_taylor\_3406\_3-29h\_mem.db  
 Dataset Pathname: proc1/pass1.2  
 Dataset Creation: Sun May 26 05:23:01 2013

## ThruBit Induction Calibration Report

Tool Model-Serial Number: PS-PS38R  
 Shop Calibration Performed: Fri Mar 01 12:30:29 2013

## BASELINE

|        | R         | Expected           | X         | Expected          |
|--------|-----------|--------------------|-----------|-------------------|
| Freq 1 |           |                    |           |                   |
| A1     | -478.4900 | [-500.00, -400.00] | 175.3190  | [-500.00, 500.00] |
| A2     | -135.7360 | [-180.00, -100.00] | 302.3650  | [-500.00, 500.00] |
| A3     | -26.2781  | [-50.00, -10.00]   | -65.5454  | [-500.00, 500.00] |
| A4     | -16.7549  | [-30.00, -10.00]   | 254.1780  | [-500.00, 500.00] |
| A5     | -14.3211  | [-30.00, -10.00]   | 151.4720  | [-500.00, 500.00] |
| Freq 2 |           |                    |           |                   |
| A1     | -252.3300 | [-280.00, -180.00] | 90.6894   | [-500.00, 500.00] |
| A2     | -86.4805  | [-130.00, -50.00]  | 170.3340  | [-500.00, 500.00] |
| A3     | -19.2593  | [-50.00, -10.00]   | -94.3423  | [-500.00, 500.00] |
| A4     | -19.7630  | [-30.00, -10.00]   | 78.5474   | [-500.00, 500.00] |
| A5     | -19.2330  | [-30.00, -10.00]   | 2.2441    | [-500.00, 500.00] |
| Freq 3 |           |                    |           |                   |
| A1     | -162.5760 | [-180.00, -80.00]  | -2.4436   | [-500.00, 500.00] |
| A2     | -65.8174  | [-130.00, -30.00]  | 84.6667   | [-500.00, 500.00] |
| A3     | -15.1583  | [-50.00, -10.00]   | -126.5820 | [-500.00, 500.00] |
| A4     | -21.2009  | [-30.00, -10.00]   | -38.0339  | [-500.00, 500.00] |
| A5     | -21.8735  | [-30.00, -10.00]   | -105.2590 | [-500.00, 500.00] |
| Freq 4 |           |                    |           |                   |
| A1     | -89.4241  | [-120.00, -40.00]  | -152.8680 | [-500.00, 500.00] |
| A2     | -46.8994  | [-110.00, -10.00]  | -29.1757  | [-500.00, 500.00] |
| A3     | -12.3098  | [-50.00, -10.00]   | -189.9740 | [-500.00, 500.00] |
| A4     | -23.7794  | [-30.00, -10.00]   | -211.1800 | [-500.00, 500.00] |
| A5     | -26.9272  | [-30.00, -10.00]   | -283.6760 | [-500.00, 500.00] |

## CALIBRATION COEFFICIENTS

|        | R      | Expected     | X       | Expected      |
|--------|--------|--------------|---------|---------------|
| Freq 1 |        |              |         |               |
| A1     | 0.9910 | [0.95, 1.05] | 0.0019  | [-0.05, 0.05] |
| A2     | 0.9910 | [0.95, 1.05] | 0.0018  | [-0.05, 0.05] |
| A3     | 1.0009 | [0.95, 1.05] | -0.0054 | [-0.05, 0.05] |
| A4     | 0.9885 | [0.95, 1.05] | 0.0047  | [-0.05, 0.05] |
| A5     | 0.9939 | [0.95, 1.05] | 0.0015  | [-0.05, 0.05] |
| Freq 2 |        |              |         |               |
| A1     | 0.9860 | [0.95, 1.05] | -0.0059 | [-0.05, 0.05] |
| A2     | 0.9858 | [0.95, 1.05] | -0.0055 | [-0.05, 0.05] |
| A3     | 0.9901 | [0.95, 1.05] | -0.0051 | [-0.05, 0.05] |
| A4     | 0.9836 | [0.95, 1.05] | -0.0030 | [-0.05, 0.05] |
| A5     | 0.9887 | [0.95, 1.05] | -0.0069 | [-0.05, 0.05] |
| Freq 3 |        |              |         |               |
| A1     | 0.9930 | [0.95, 1.05] | -0.0045 | [-0.05, 0.05] |
| A2     | 0.9931 | [0.95, 1.05] | -0.0041 | [-0.05, 0.05] |

|             |              |              |         |               |
|-------------|--------------|--------------|---------|---------------|
| A3          | 0.9966       | [0.95, 1.05] | -0.0041 | [-0.05, 0.05] |
| A4          | 0.9891       | [0.95, 1.05] | -0.0015 | [-0.05, 0.05] |
| A5          | 0.9978       | [0.95, 1.05] | -0.0052 | [-0.05, 0.05] |
| Freq 4      |              |              |         |               |
| A1          | 0.9848       | [0.95, 1.05] | -0.0070 | [-0.05, 0.05] |
| A2          | 0.9844       | [0.95, 1.05] | -0.0066 | [-0.05, 0.05] |
| A3          | 0.9901       | [0.95, 1.05] | -0.0084 | [-0.05, 0.05] |
| A4          | 0.9809       | [0.95, 1.05] | -0.0036 | [-0.05, 0.05] |
| A5          | 0.9965       | [0.95, 1.05] | -0.0100 | [-0.05, 0.05] |
| Temperature | 34.5229 degC |              |         |               |

| ThruBit Density Calibration Report |  |                          |  |  |
|------------------------------------|--|--------------------------|--|--|
| Tool Model-Serial Number:          |  | PS-PS01D                 |  |  |
| Source Number:                     |  |                          |  |  |
| Shop Calibration Performed:        |  | Fri May 17 09:36:11 2013 |  |  |

| REFERENCE      |         |       |                    |
|----------------|---------|-------|--------------------|
|                | Density | Units |                    |
| Aluminium      | 2.607   | g/cc  |                    |
| Magnesium      | 1.752   | g/cc  |                    |
| READINGS       |         |       |                    |
| Outputs        | Counts  | Units | Expected           |
| SS1 Background | 133.63  | cps   | [130.00, 170.00]   |
| LS1 Background | 143.47  | cps   | [130.00, 170.00]   |
| LS4 Background | 30.64   | cps   | [27.00, 35.00]     |
| SS1 Aluminium  | 4869.52 | cps   | [4500.00, 5500.00] |
| LS1 Aluminium  | 900.79  | cps   | [750.00, 950.00]   |
| LS4 Aluminium  | 1058.65 | cps   | [843.00, 1068.00]  |
| SS1 Magnesium  | 7940.15 | cps   | [7000.00, 9000.00] |
| LS1 Magnesium  | 5747.93 | cps   | [5250.00, 6250.00] |
| LS1 Al + Fe    | 779.29  | cps   | [650.00, 800.00]   |
| LS4 Al + Fe    | 491.38  | cps   | [382.00, 471.00]   |
| RESULTS        |         |       |                    |
| SS Slope       | 1.71    |       | [1.52, 1.77]       |
| LS Slope       | 0.43    |       | [0.38, 0.45]       |
| PEF K Factor   | 5.113   |       | [3.510, 6.170]     |
| PEF B Factor   | -0.619  |       | [-0.700, -0.410]   |

|                                     |         |                          |  |
|-------------------------------------|---------|--------------------------|--|
| Caliper Shop Calibration performed: |         | Fri May 17 09:36:11 2013 |  |
| RESULTS                             |         |                          |  |
| Reference                           | Reading | Units                    |  |
| 12.00                               | 1827.26 | in                       |  |
| 9.00                                | 1981.10 | in                       |  |
| 6.00                                | 2149.14 | in                       |  |

|                                     |        |                          |          |  |
|-------------------------------------|--------|--------------------------|----------|--|
| DENSITY PRE-SURVEY CHECK Performed: |        | Wed May 22 17:56:53 2013 |          |  |
| Outputs                             | Counts | Units                    | Expected |  |

|                                        |          |                          |                  |
|----------------------------------------|----------|--------------------------|------------------|
| SS1 Background                         | 132.62   | cps                      | [129.62, 137.64] |
| LS1 Background                         | 142.86   | cps                      | [139.17, 147.78] |
| LS4 Background                         | 30.42    | cps                      | [28.80, 32.48]   |
| CALIPER PRE-SURVEY CHECK Performed:    |          | Wed May 22 17:57:11 2013 |                  |
| Reference                              | Readings | Units                    | Expected         |
| 6.00                                   | 5.96     | in                       | [5.80, 6.20]     |
|                                        |          |                          |                  |
|                                        |          |                          |                  |
| Compensated Neutron Calibration Report |          |                          |                  |
| Tool Model-Serial Number:              |          | PS-PS14N                 |                  |
| Source Number:                         |          |                          |                  |
| Calibration Tank Temperature:          |          | 71.8 degF                |                  |
| Shop Calibration Performed:            |          | Thu May 23 10:51:50 2013 |                  |
| BACKGROUND MEASUREMENT                 |          |                          |                  |
| Outputs                                | Measured | Units                    | Expected         |
| SS Counts                              | 0.0      | cps                      | <10              |
| LS Counts                              | 0.0      | cps                      | <4               |
| WATER TANK REFERENCE                   |          |                          |                  |
| Outputs                                | Measured | Units                    | Expected         |
| SS Counts                              | 751.8    | cps                      |                  |
| LS Counts                              | 25.4     | cps                      |                  |
| Tank Ratio Ref                         | 30.9580  | SS/LS                    |                  |
| Tank Ratio                             | 29.5738  | SS/LS                    |                  |
| Tank Ratio Gain                        | 1.0468   |                          | [0.85, 1.15]     |
| ALUMINUM SLEEVE REFERENCE              |          |                          |                  |
| Outputs                                | Measured | Units                    | Expected         |
| SS Counts                              | 8361.0   | cps                      |                  |
| LS Counts                              | 807.3    | cps                      |                  |
| Al Ratio Ref                           | 10.797   | SS/LS                    |                  |
| Al Ratio                               | 10.841   | SS/LS                    |                  |
| Al Ratio Gain                          | 1.00     |                          | [0.90, 1.10]     |
| Sleeve Porosity                        | 14.46    | pu                       |                  |
|                                        |          |                          |                  |
| PRE-SURVEY BACKGROUND CHECK Performed: |          | Thu May 23 10:56:59 2013 |                  |
| Outputs                                | Measured | Units                    | Expected         |
| SS Counts                              | 0.0      | cps                      | <10              |
| LS Counts                              | 0.1      | cps                      | <4               |
|                                        |          |                          |                  |

# Gamma Ray Calibration Report

Tool Model-Serial Number: ENP-ENP5T

Performed: Wed Apr 24 10:34:01 2013

Calibrator Value: 165.0 GAPI

Background Reading: 68.2 cps

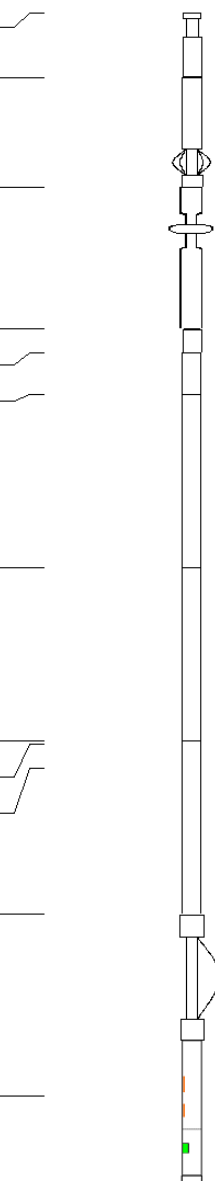
Calibrator Reading: 447.3 cps

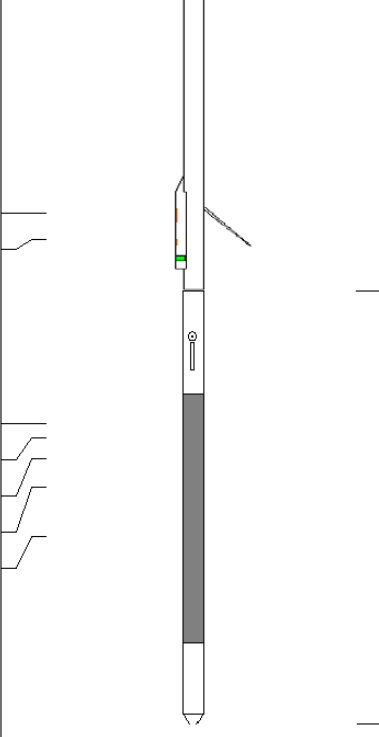
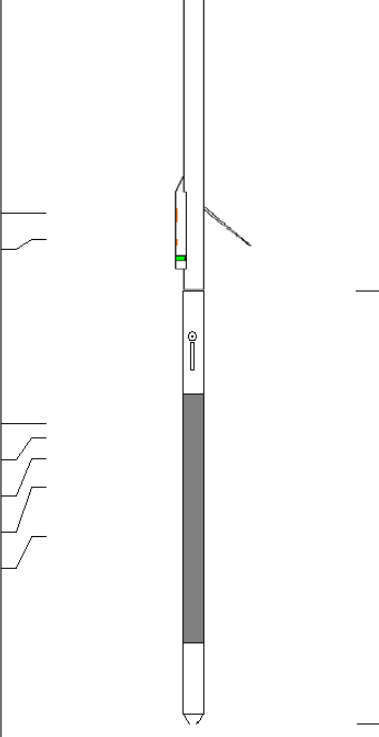
Sensitivity: 0.3650 GAPI/cps

## Inclinometer Calibration Report

Performed: Sun Jun 13 14:33:21 1993

|                 | Low Read. | High Read. | Low Ref. | High Ref. |     |
|-----------------|-----------|------------|----------|-----------|-----|
| X Accelerometer | 0.00      | 1.00       | 0.00     | 1.00      | gee |
| Y Accelerometer | 0.00      | 1.00       | 0.00     | 1.00      | gee |
| Z Accelerometer | 0.00      | 1.00       | 0.00     | 1.00      | gee |

| Sensor  | Offset (ft) | Schematic                                                                          | Description                            | Len (ft) | OD (in) | Wt (lb) |
|---------|-------------|------------------------------------------------------------------------------------|----------------------------------------|----------|---------|---------|
| ThruBit | 66.92       |  | Cablehead-S                            | 2.31     | 2.13    | 5.00    |
| ThruBit | 64.61       |                                                                                    | Solid Weakpoint                        |          |         |         |
|         |             |                                                                                    | PSBDOT                                 | 3.87     | 2.25    | 35.00   |
| ThruBit | 60.75       |                                                                                    | HangOff_Tool                           | 5.00     | 2.38    | 60.00   |
| ThruBit | 55.75       |                                                                                    | 10-1                                   | 0.88     | 2.13    | 3.95    |
| ThruBit | 54.87       |                                                                                    | Universal Joint                        | 1.46     | 2.06    | 15.00   |
| TBBAT   | 53.41       |                                                                                    | TBBAT-A (PS13B)<br>ThruBit Battery     | 6.13     | 2.13    | 38.20   |
| TBBAT2  | 47.29       |                                                                                    | TBBAT2-A (PS33B)<br>ThruBit Battery    | 6.13     | 2.13    | 40.00   |
| TMG     | 41.16       |                                                                                    | TMG-ENP (ENP5T)                        | 6.13     | 2.13    | 45.00   |
| GR      | 41.04       |                                                                                    | ThruBit Telemetry Gamma Ray            |          |         |         |
| GRTEMP  | 40.20       |                                                                                    |                                        |          |         |         |
| ThruBit | 35.04       |                                                                                    | Decentralizer<br>Decentralizer (Small) | 4.50     | 2.13    | 70.00   |
| CNLSC   | 28.60       |                                                                                    | TBN-PS (PS14N)<br>ThruBit Neutron      | 4.77     | 2.13    | 63.00   |

|                                                                                                                                            |       |                                                                                 |                                     |       |      |       |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------|-------------------------------------|-------|------|-------|
| LSW1<br>DCAL                                                                                                                               | 18.04 |  | TBD-PS (PS01D)<br>ThruBit Density   | 10.48 | 2.13 | 91.00 |
|                                                                                                                                            | 17.13 |                                                                                 |                                     |       |      |       |
| A1_P                                                                                                                                       | 10.60 |  | TBI-PS (PS38R)<br>ThruBit Induction | 15.29 | 2.13 | 94.00 |
| A2_P                                                                                                                                       | 10.10 |                                                                                 |                                     |       |      |       |
| A3_P                                                                                                                                       | 9.35  |                                                                                 |                                     |       |      |       |
| A4_P                                                                                                                                       | 8.35  |                                                                                 |                                     |       |      |       |
| A5_P                                                                                                                                       | 6.60  |                                                                                 |                                     |       |      |       |
| Dataset: sandridge_taylor_3406_3-29h_mem.db: field/well/proc1/pass1.2<br>Total Length: 66.92 ft<br>Total Weight: 560.15 lb<br>O.D. 2.38 in |       |                                                                                 |                                     |       |      |       |

|                                                                                   |         |                   |
|-----------------------------------------------------------------------------------|---------|-------------------|
|  | Company | SANDRIDGE ENERGY  |
|                                                                                   | Well    | TAYLOR 3406 3-29H |
|                                                                                   | Field   | EASTHAM           |
|                                                                                   | County  | HARPER            |
|                                                                                   | State   | KANSAS            |