

|   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| HALLIBURTON   |  |  |  |  |  |  |  |  |  | ACOUSTIC CEMENT<br>BOND LOG   |  |  |  |  |  |  |  |  |  |
| Company    URSA OPERATING CO., LLC.<br>Well        BAT 24A-18-07-95<br>Field       PARACHUTE<br>County      GARFIELD State    CO  |  |  |  |  |  |  |  |  |  | Company    URSA OPERATING CO., LLC.<br>Well        BAT 24A-18-07-95<br>Field       PARACHUTE<br>County      GARFIELD State    CO  |  |  |  |  |  |  |  |  |  |
| API No.:    05-045-20530-0000    Serv #:    902507863<br>Location:   SURFACE HOLE LOCATION:<br>0266' FSL & 0824' FEL<br><br>BOTTOM HOLE LOCATION:<br>1151' FSL & 1949' FWL<br><br>RMT<br>GAUGE RING   |  |  |  |  |  |  |  |  |  | Other Services  |  |  |  |  |  |  |  |  |  |
| Permanent Datum    GROUND LEVEL    Elevation    5441'<br>Log Measured From    KB    ,    17    Ft. above perm. datum<br>Drilling Measured From    KB  |  |  |  |  |  |  |  |  |  | Elevation<br>K.B.    5458'<br>D.F.    5457'<br>G.L.    5441'  |  |  |  |  |  |  |  |  |  |
| Date @ Time Logged    20 JUNE 2015    Type Fluid in Hole    WATER<br>Run No.    ONE    Density of Fluid    8.4#<br>Depth - Driller    7237'    Fluid Level    FULL<br>Depth - Logger    7018'    Cement Top Est. Logged    SEE LOG<br>Bottom - Logged Interval    7018'    Equipment / Location    10971668 /    G.J.<br>Top - Log Interval    1500'    Recorded by    D. SOLIS<br>Max. Recorded Temp.    227 DEG F    Witnessed by    UNATTENDED   |  |  |  |  |  |  |  |  |  | CEMENTING DATA<br>Surface    Protection    String    Production    Liner<br>String    String    N/A<br>Date / Time Cemented    N/A    String    N/A   |  |  |  |  |  |  |  |  |  |
| Primary / Squeeze<br>Expected Compressive Strength    psi@    hrs    psi@    hrs    psi@    hrs    psi@    hrs<br>Cement Volume    /    /    /    /<br>Cement Type / Weight    /    /    /    /<br>Formulation    /    /    /    /<br>Mud Type / Mud Wgt.    /    /    /    /   |  |  |  |  |  |  |  |  |  | Borehole Record    Casing & Tubing Record<br>Run Number    Bit    From    To    Size    Weight    From    To<br>ONE    12.25"    SURFACE    1894'    8.625"    32.0#    SURFACE    1894'<br>TWO    7.875"    894'    7237'    4.5"    11.6#    SURFACE    7237' |  |  |  |  |  |  |  |  |  |
| <<< Fold Here >>>   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF. |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| Comments  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| HALLIBURTON CBL LOG DATED: 20 JUNE 2015 IS THE PRIMARY DEPTH REFERENCE FOR THIS WELL.   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| GR-CBL-RMT RAN IN COMBINATION.  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| LOG INTERVALS PER CUSTOMER REQUEST.   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| SHORT JOINTS @: 3035' - 3045', 5608' - 5618', AND 6520' - 6530'.  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| NO TRUE FREE PIPE FOUND TO LOG A FREE PIPE PASS.  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| ***THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES.***   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |

|  |            |                  |                   |                        |                      |
|--|------------|------------------|-------------------|------------------------|----------------------|
| Service Ticket No.   | 902507863  | API No.          | 05-045-20530-0000 | PGM Ver                | 14.11.12001          |
| The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client |            |                  |                   |                        |                      |
| EQUIPMENT DATA   |            |                  |                   |                        |                      |
| TELEMETRY  |            | CEMENT BOND TOOL |                   | RESERVOIR MONITOR TOOL |                      |
| Run No.  | ONE        | Run No.          | ONE               | Run No.                | ONE                  |
| Serial No.   | 11495480   | Serial No.       | 11817843          | Serial No.             | 12095949             |
| Model No.  | TTTC-U-002 | Model No.        | CBL-M             | Model No.              | RMTI-A               |
| Diameter   | 1.688"     | Diameter         | 2.75"             | Diameter               | 2.125"               |
| LOGGING DATA   |            |                  |                   |                        |                      |
| General Data   |            |                  |                   |                        |                      |
| Pass   | Depths     |                  | Well Head         | Speed                  | Logging Run Comments |
| No   | From       | To               | Pressure          | Ft/Min                 |                      |

|                         |           |       |             |     |                  |     |       |      |
|-------------------------|-----------|-------|-------------|-----|------------------|-----|-------|------|
| ONE                     | 7018'     | 1500' | 0           | REC | MAIN LOG SECTION |     |       |      |
|                         |           |       |             |     |                  |     |       |      |
|                         | GAMMA RAY |       | TRAVEL TIME |     | AMPLITUDE        |     | MSG   |      |
| Pass                    | Scale     |       | Scale       |     | Scale            |     | Scale |      |
| No.                     | L         | R     | L           | R   | L                | R   | L     | L    |
| ONE                     | 0         | 200   | 405         | 205 | 0                | 100 | 200   | 1060 |
|                         |           |       |             |     |                  |     |       |      |
| DIRECTIONAL INFORMATION |           |       |             |     |                  |     |       |      |
| Maximum Deviation       |           | N/A   | deg. @      | N/A | KOP              | N/A |       |      |
|                         |           |       |             |     |                  |     |       |      |
|                         |           |       |             |     |                  |     |       |      |

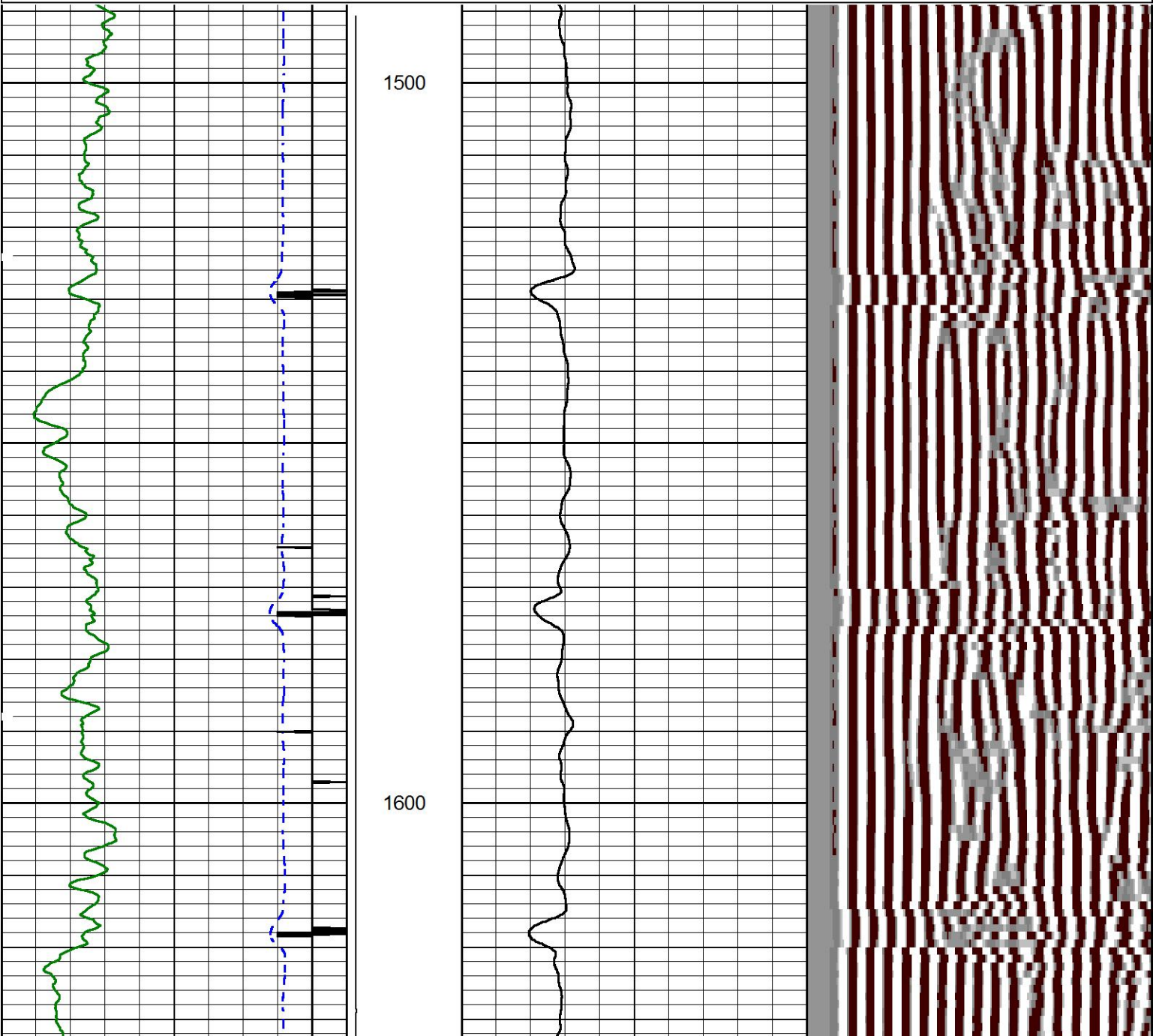
HALLIBURTON

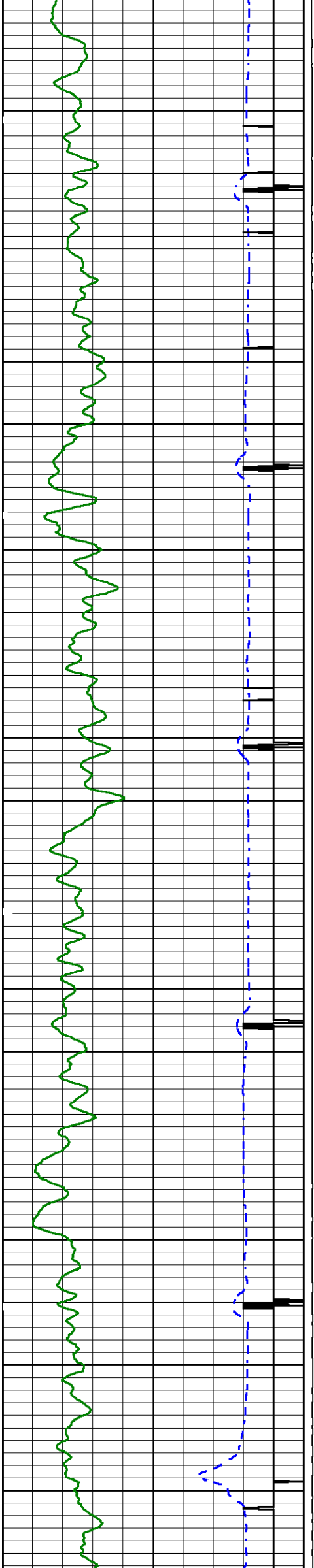
MAIN LOG SECTION

5" = 100'

|                     |                            |
|---------------------|----------------------------|
| Database File       | bat_24a_cmb.db             |
| Dataset Pathname    | MAIN1                      |
| Presentation Format | hcbtg                      |
| Dataset Creation    | Sat Jun 20 12:07:34 2015   |
| Charted by          | Depth in Feet scaled 1:240 |

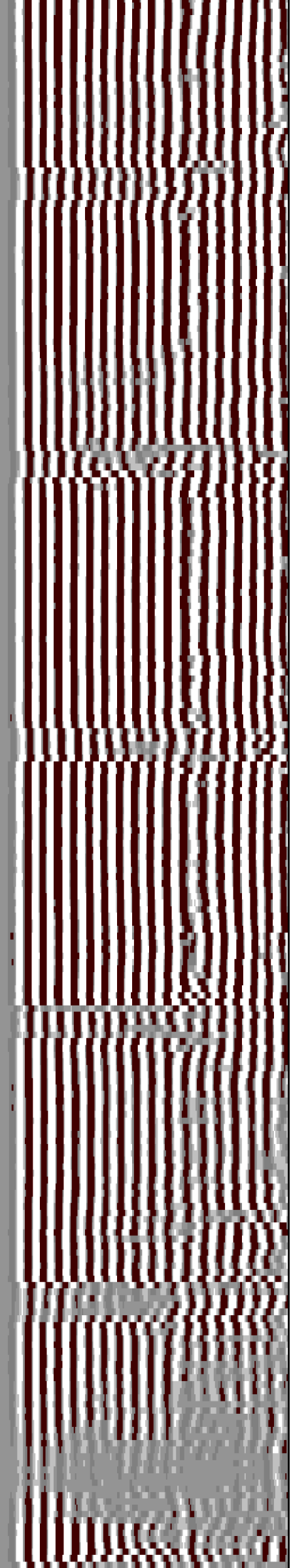
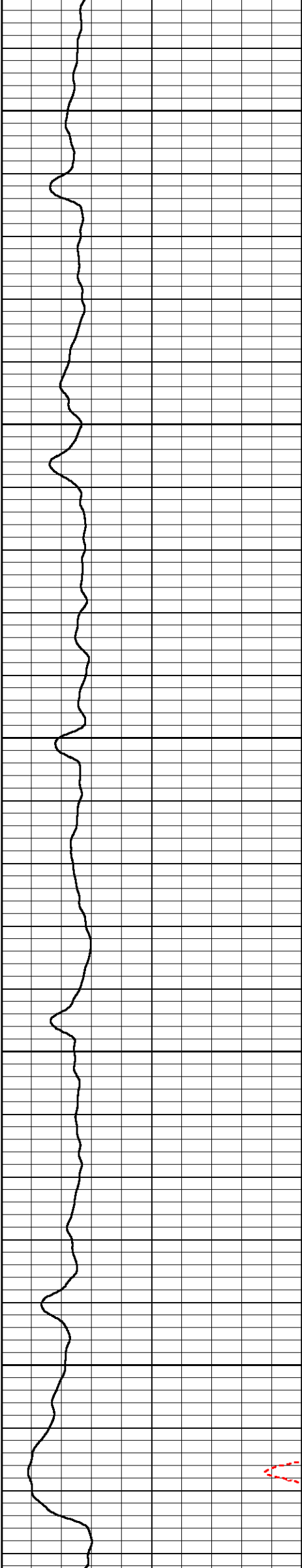
|      |                       |     |           |   |                      |     |   |     |      |
|------|-----------------------|-----|-----------|---|----------------------|-----|---|-----|------|
| 405  | 3' Travel Time (usec) | 205 | LTEN      | 0 | 3' Amplitude (mV)    | 100 | 200   | MSG | 1060 |
| -540 | CCL                   | 60  | 0 (lb6000 | 0 | 3' Amplitude X5 (mV) | 10  | <div><div></div><div></div><div></div><div></div></div> |     |      |
| 0    | GR (GAPI)             | 200 |           |   |                      |     |   |     |      |



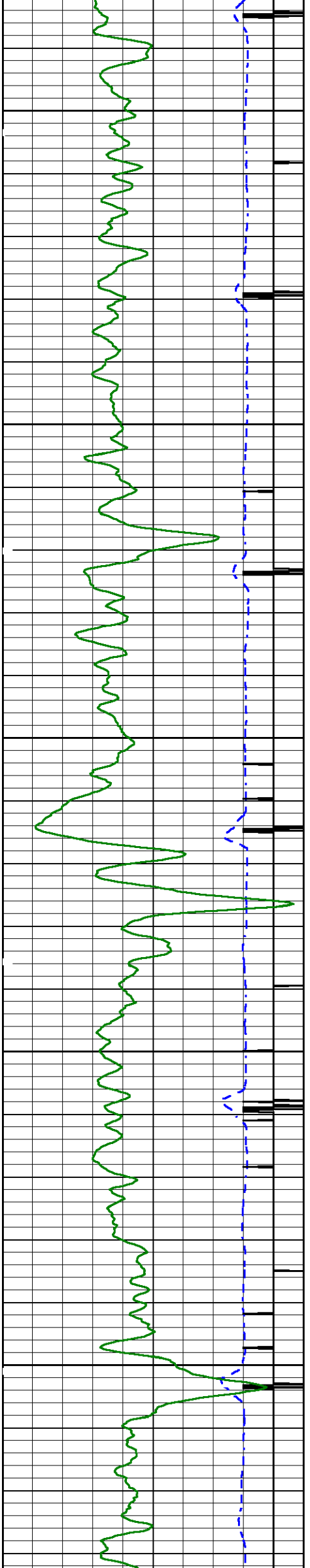


1700

1800



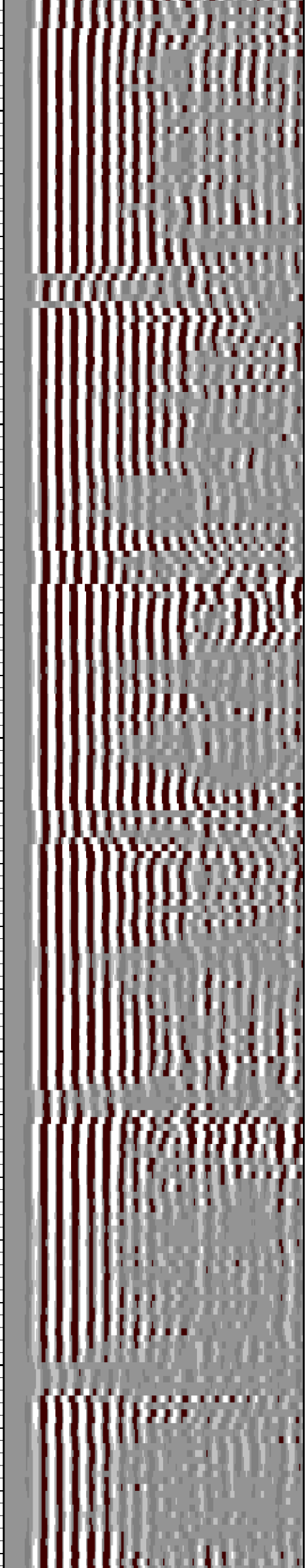
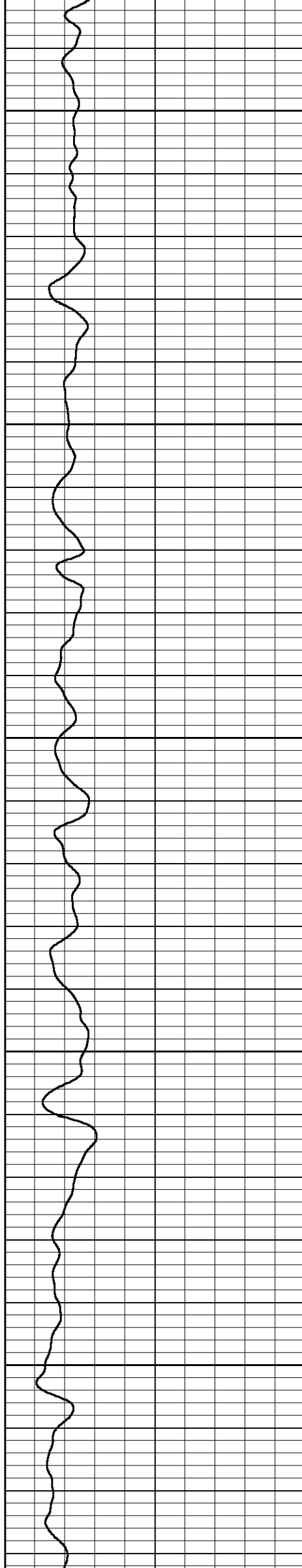


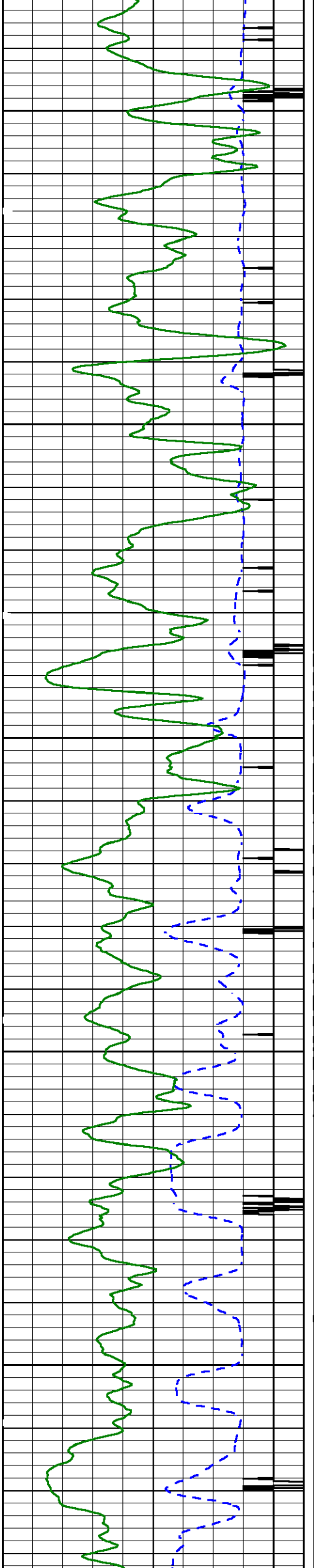


1900

2000

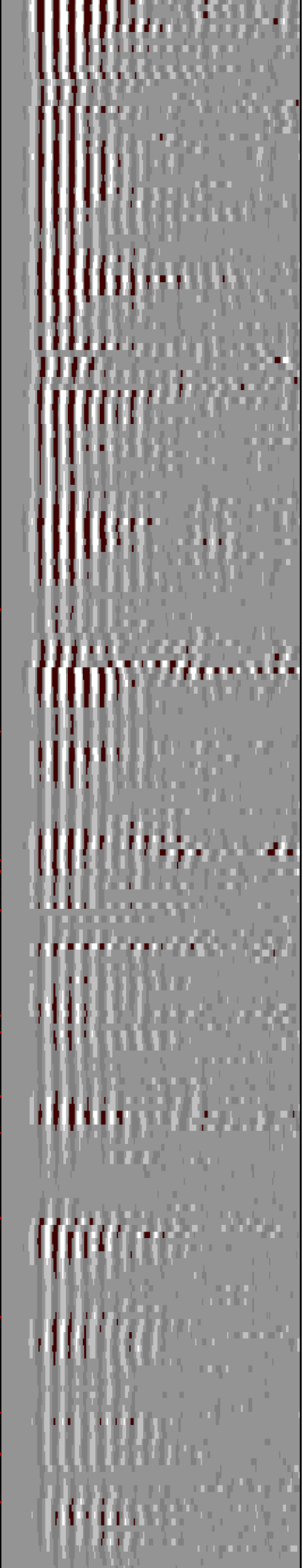
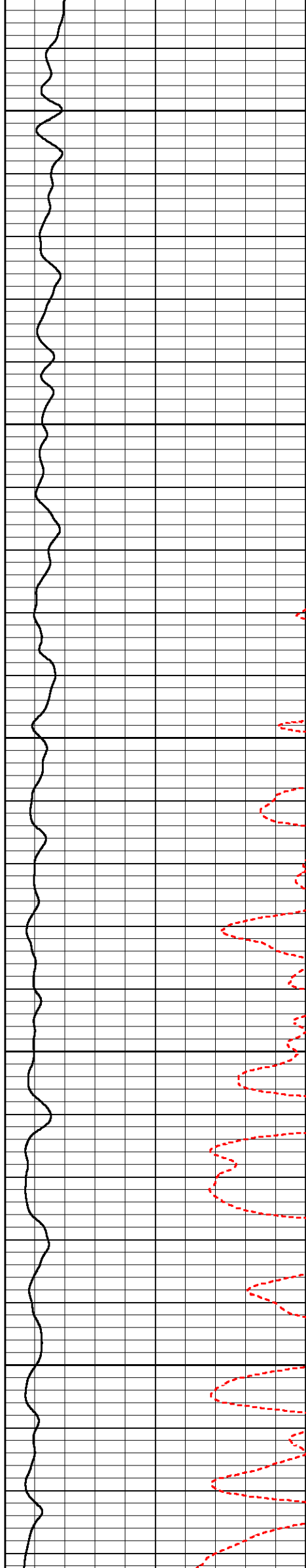
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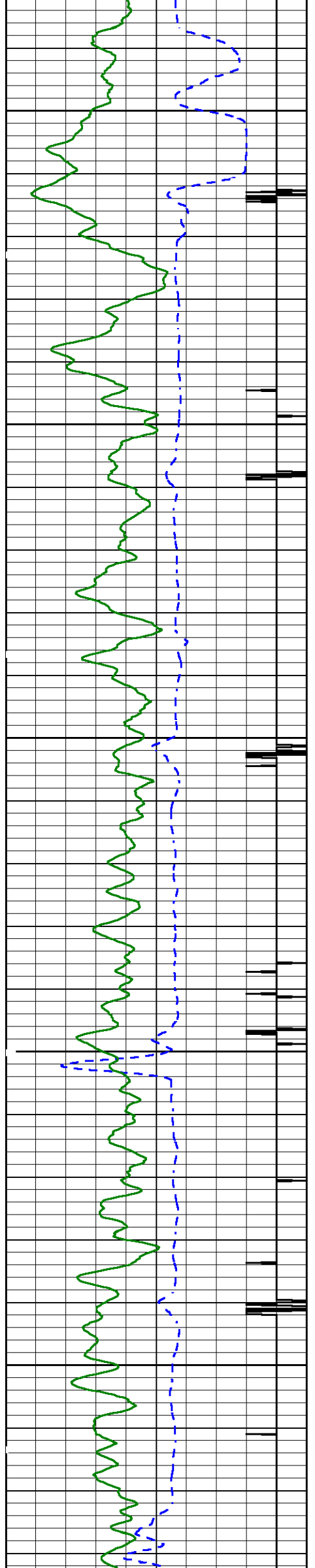




2200

2300

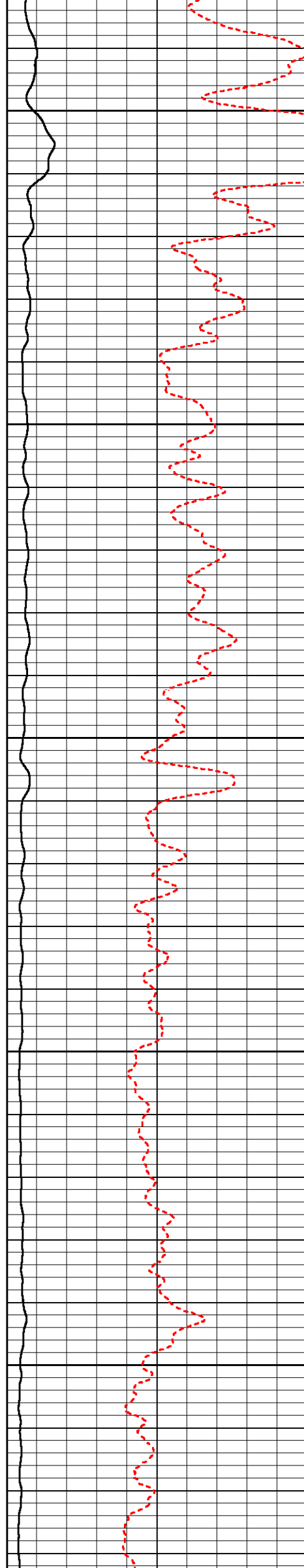


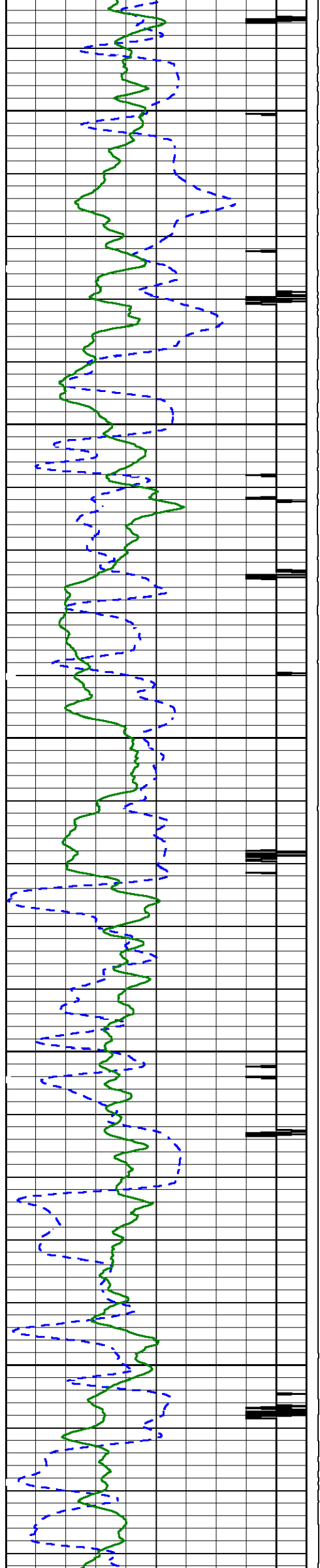


2400

2500

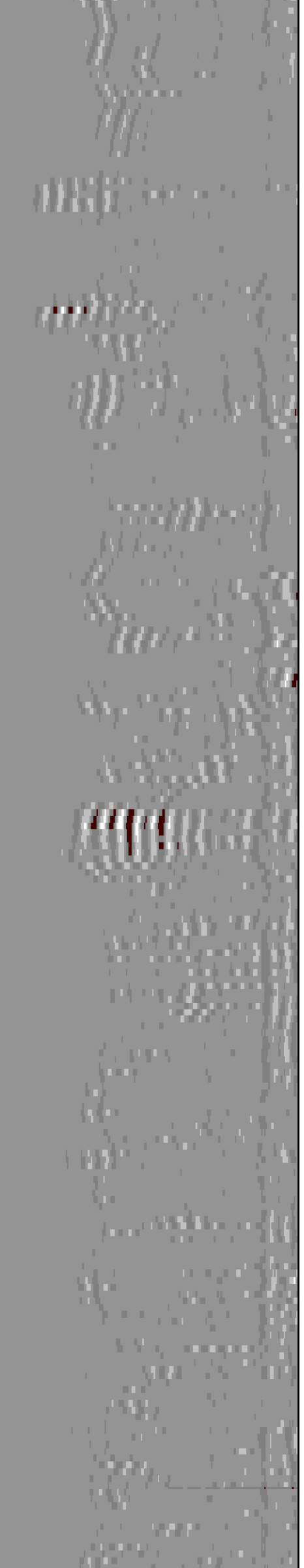
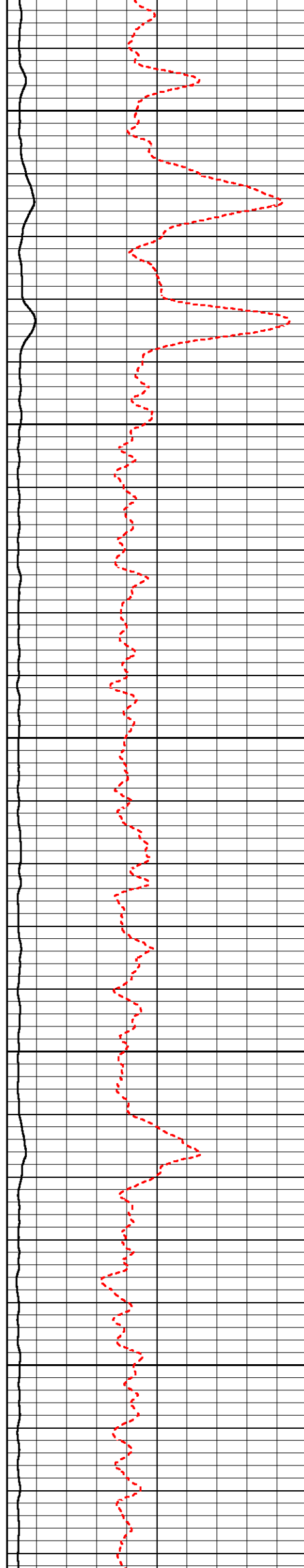
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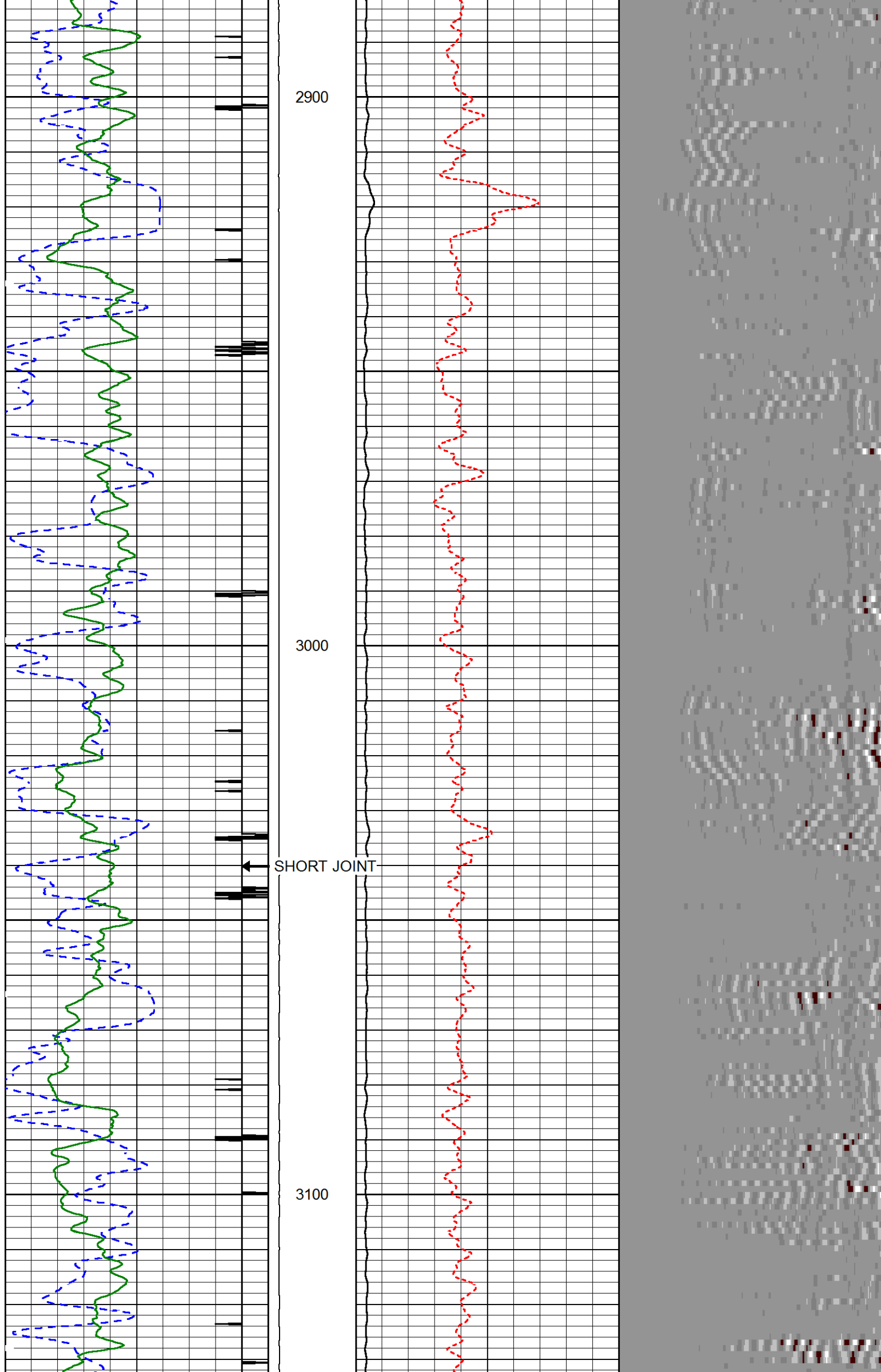




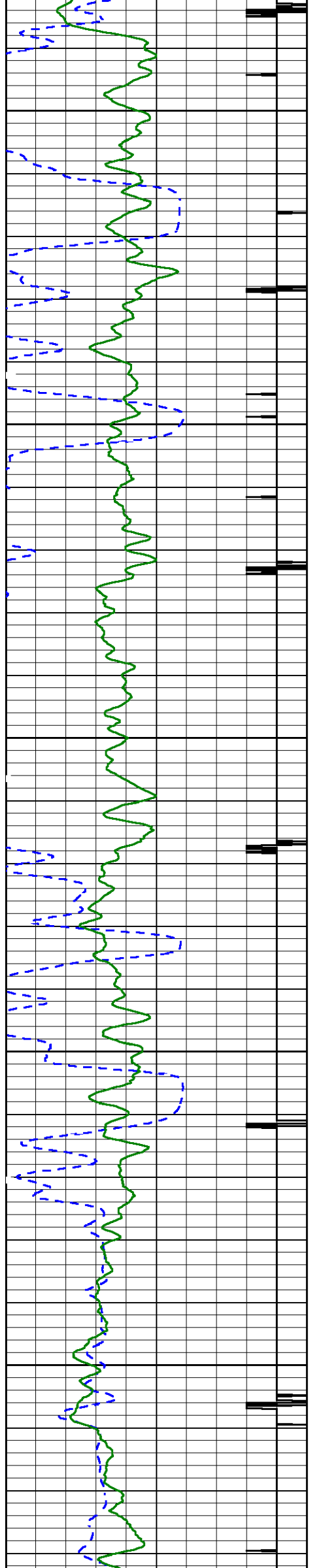
2700

2800



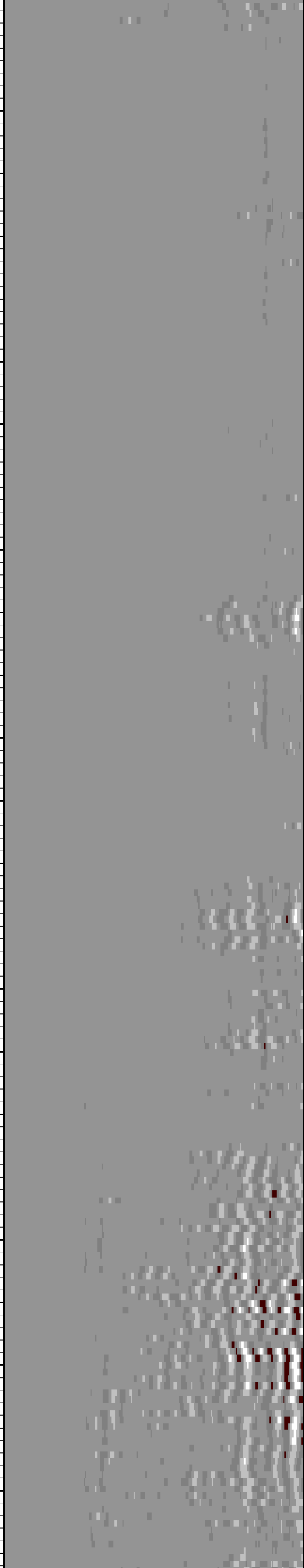
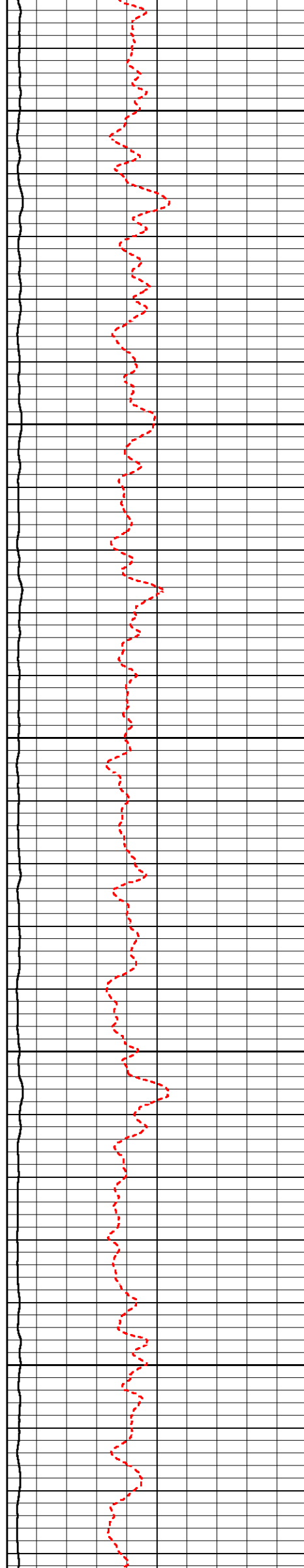


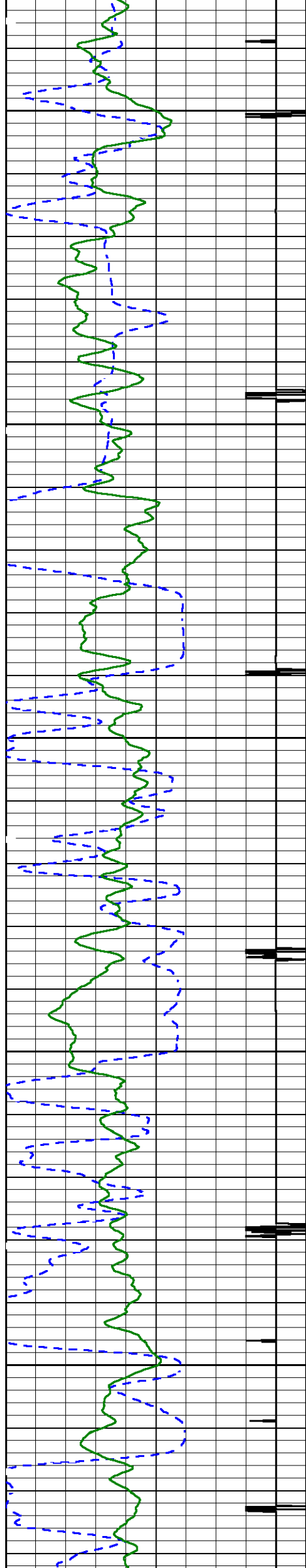




3200

3300

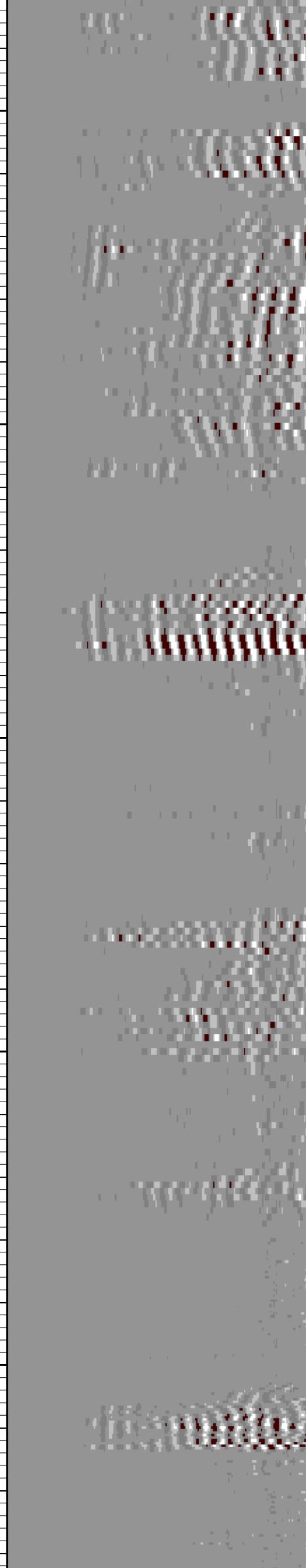


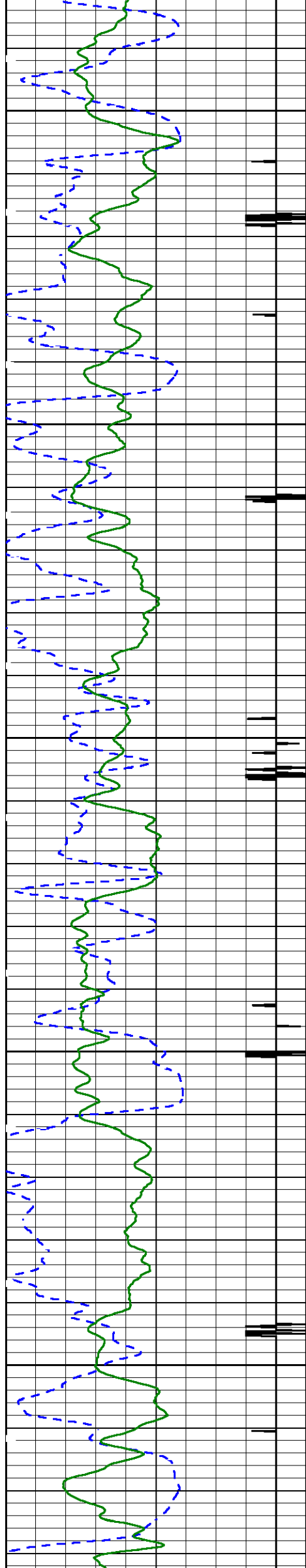


3400

3500

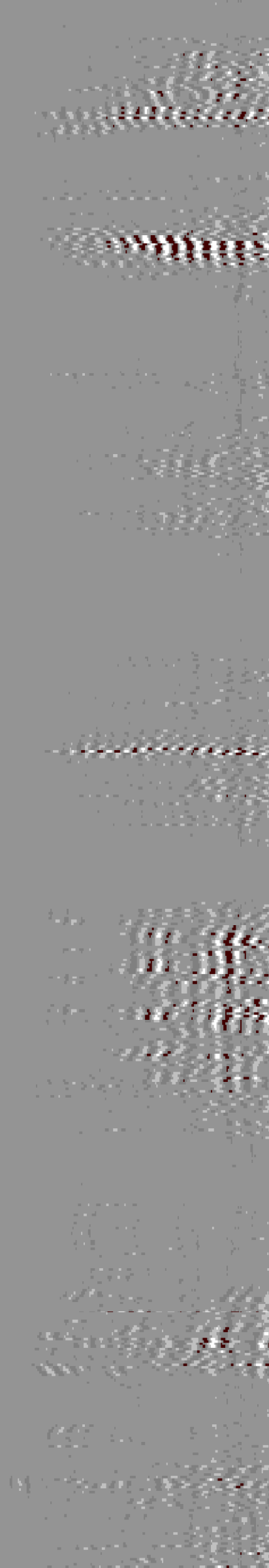
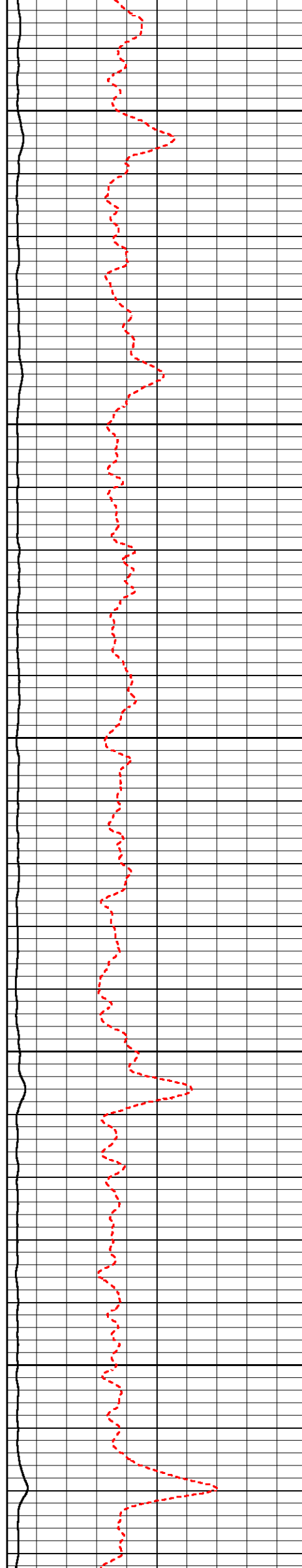
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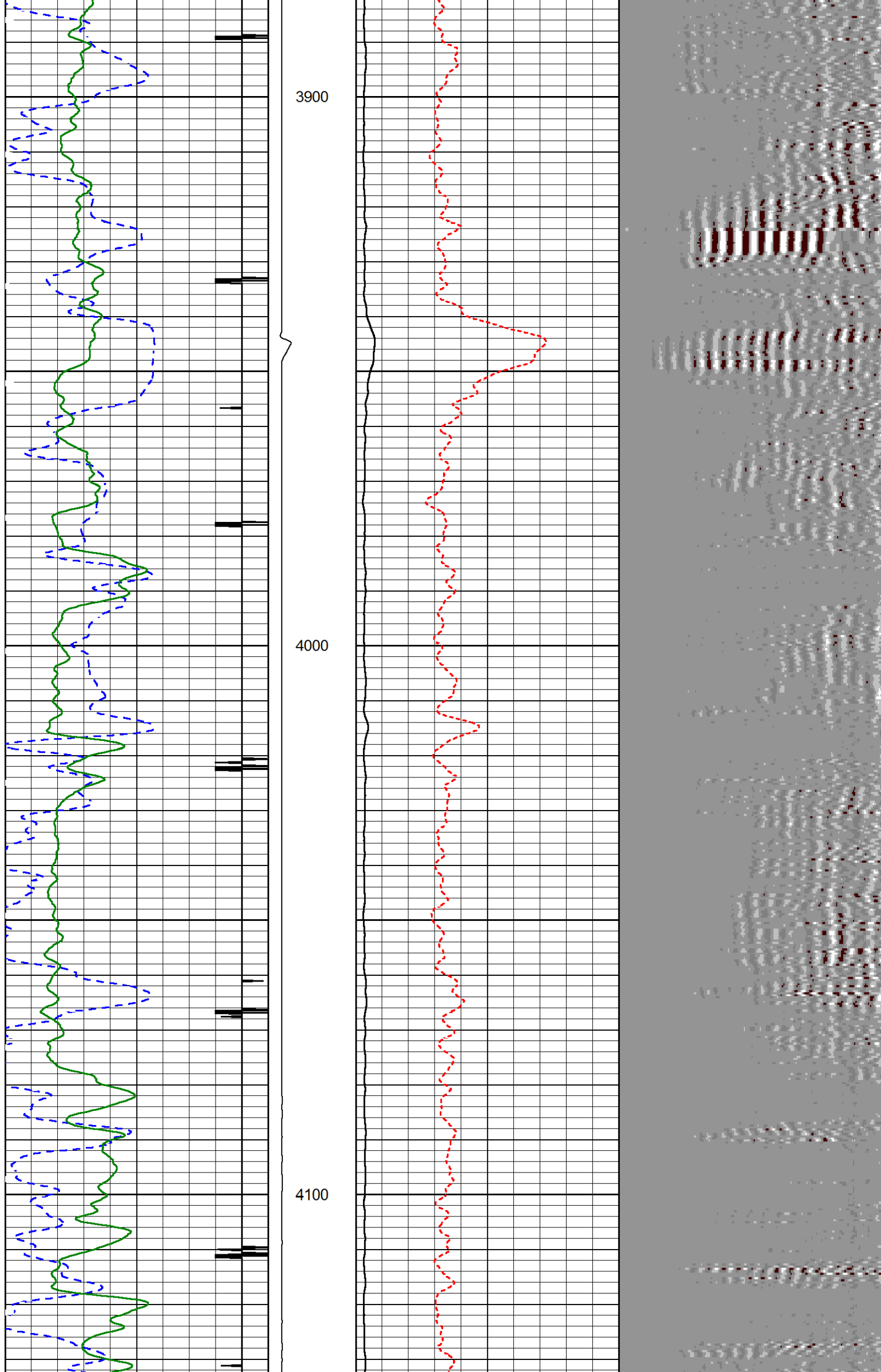


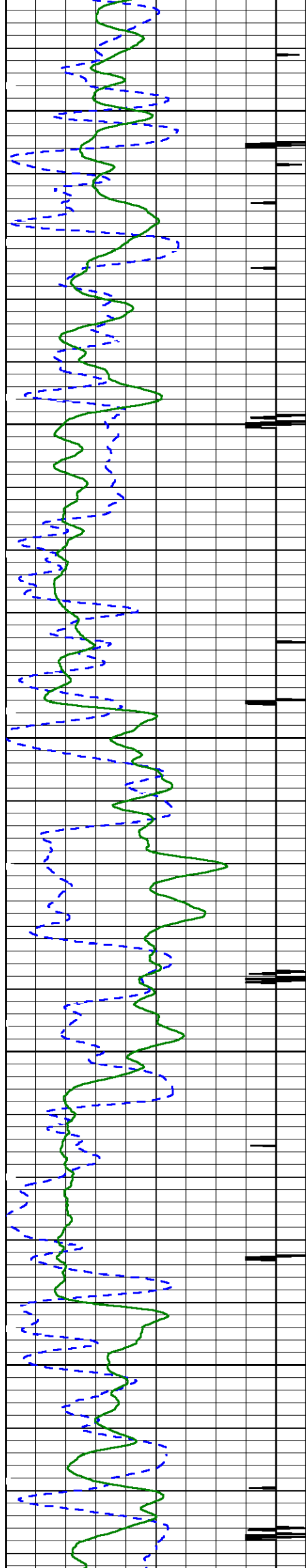


3700

3800





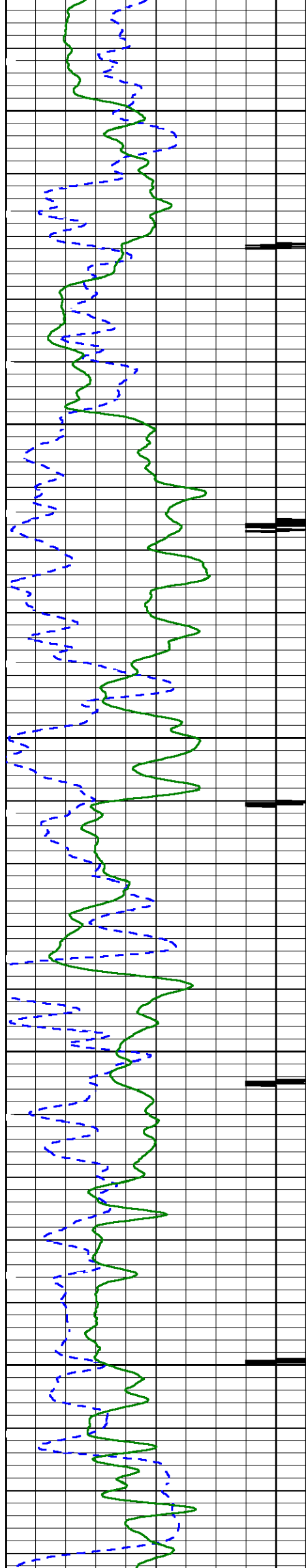


4200

4300



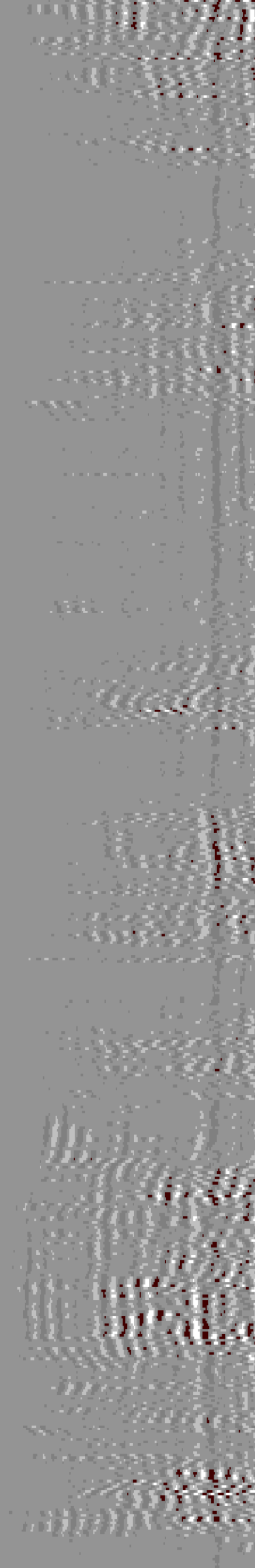
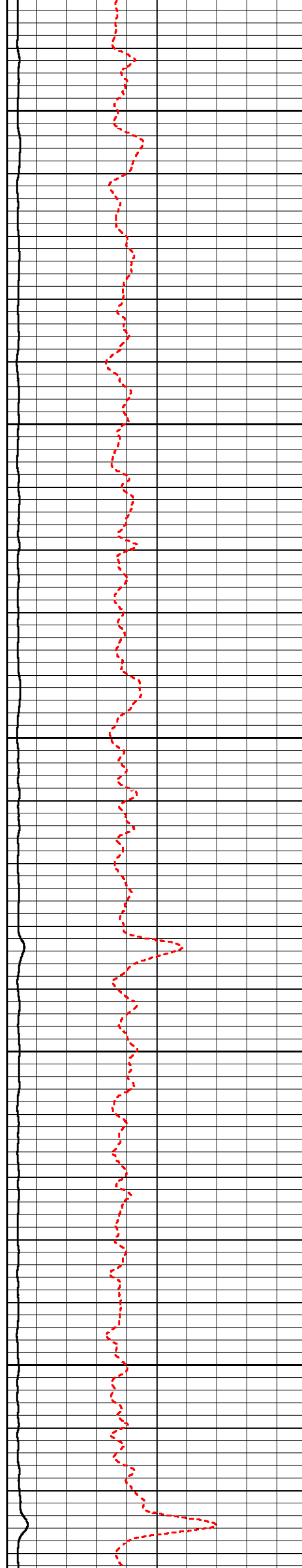


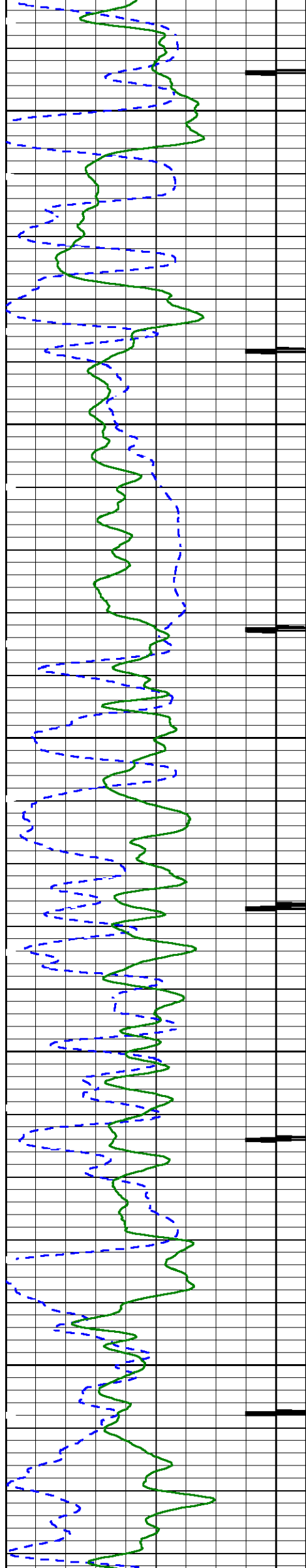


4400

4500

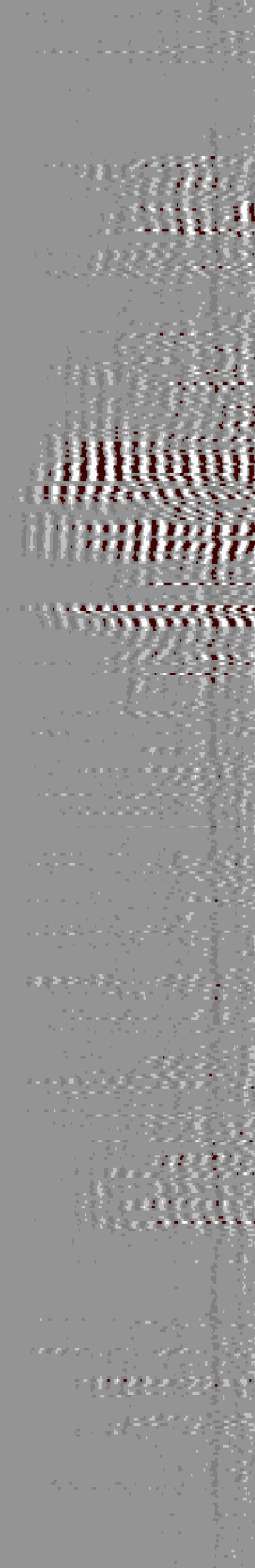
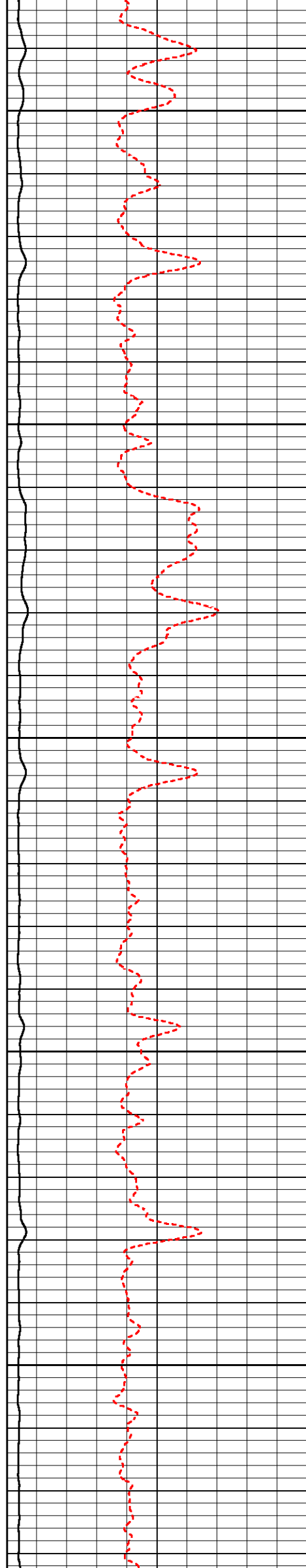
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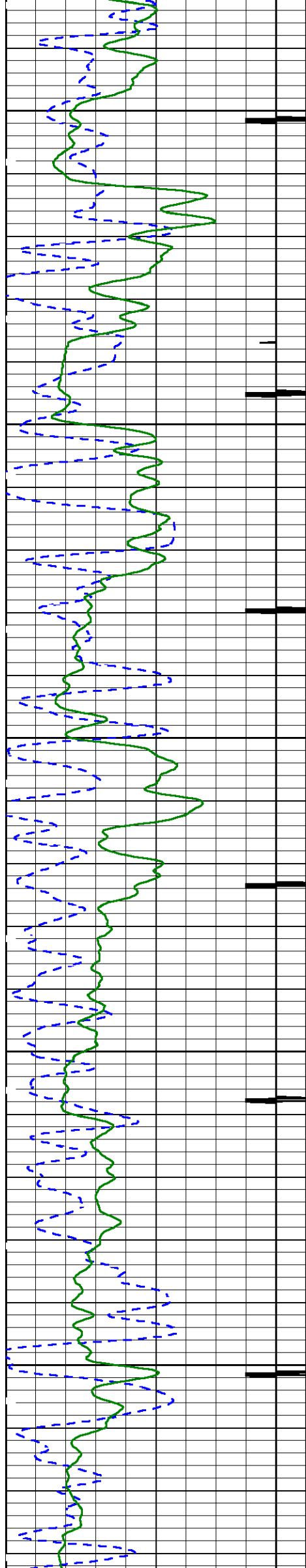




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4800

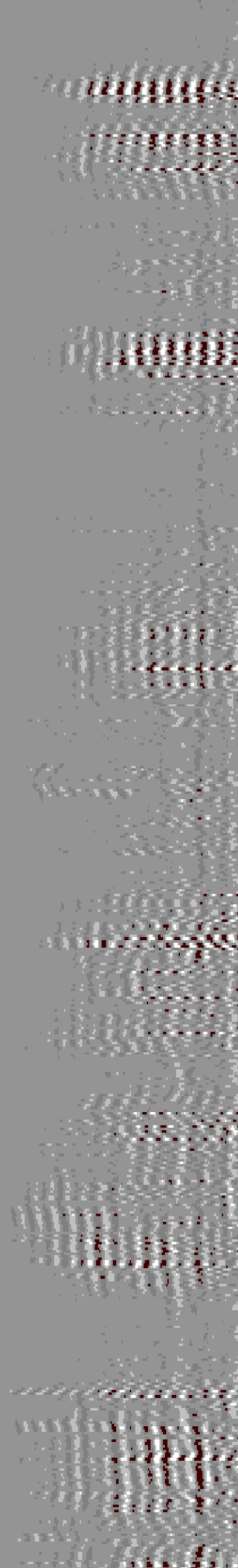
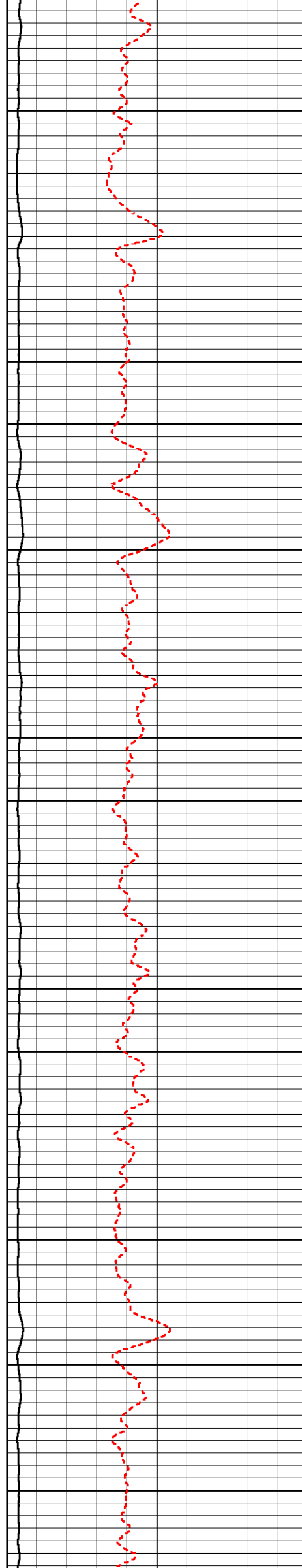


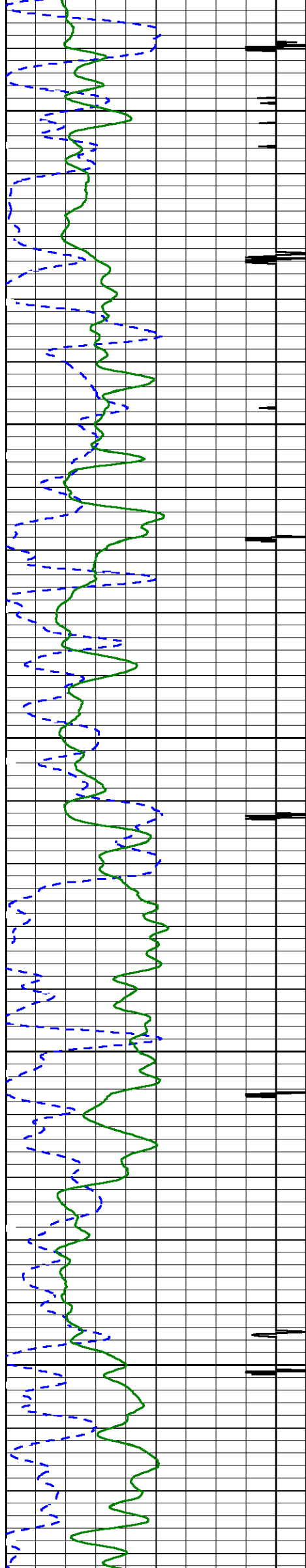


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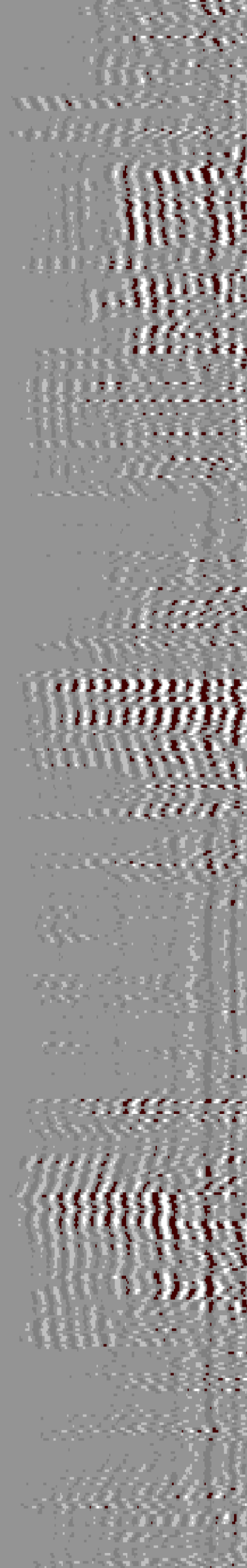
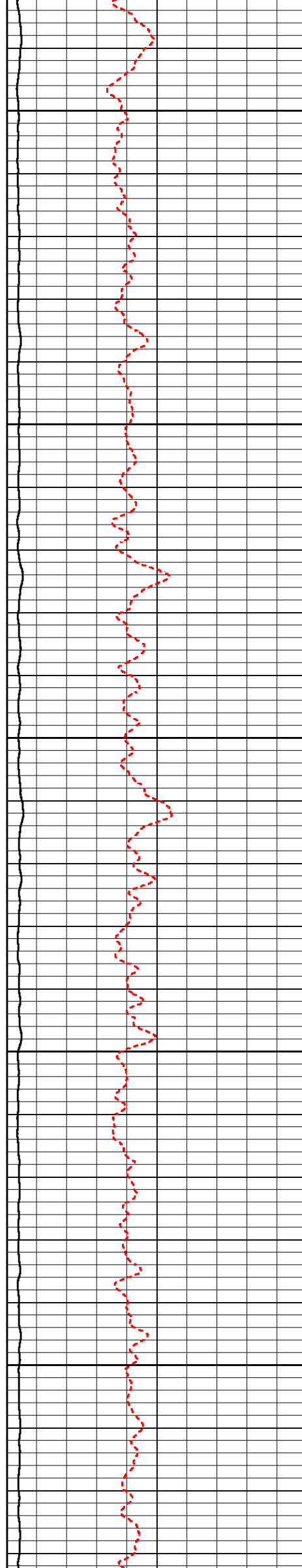
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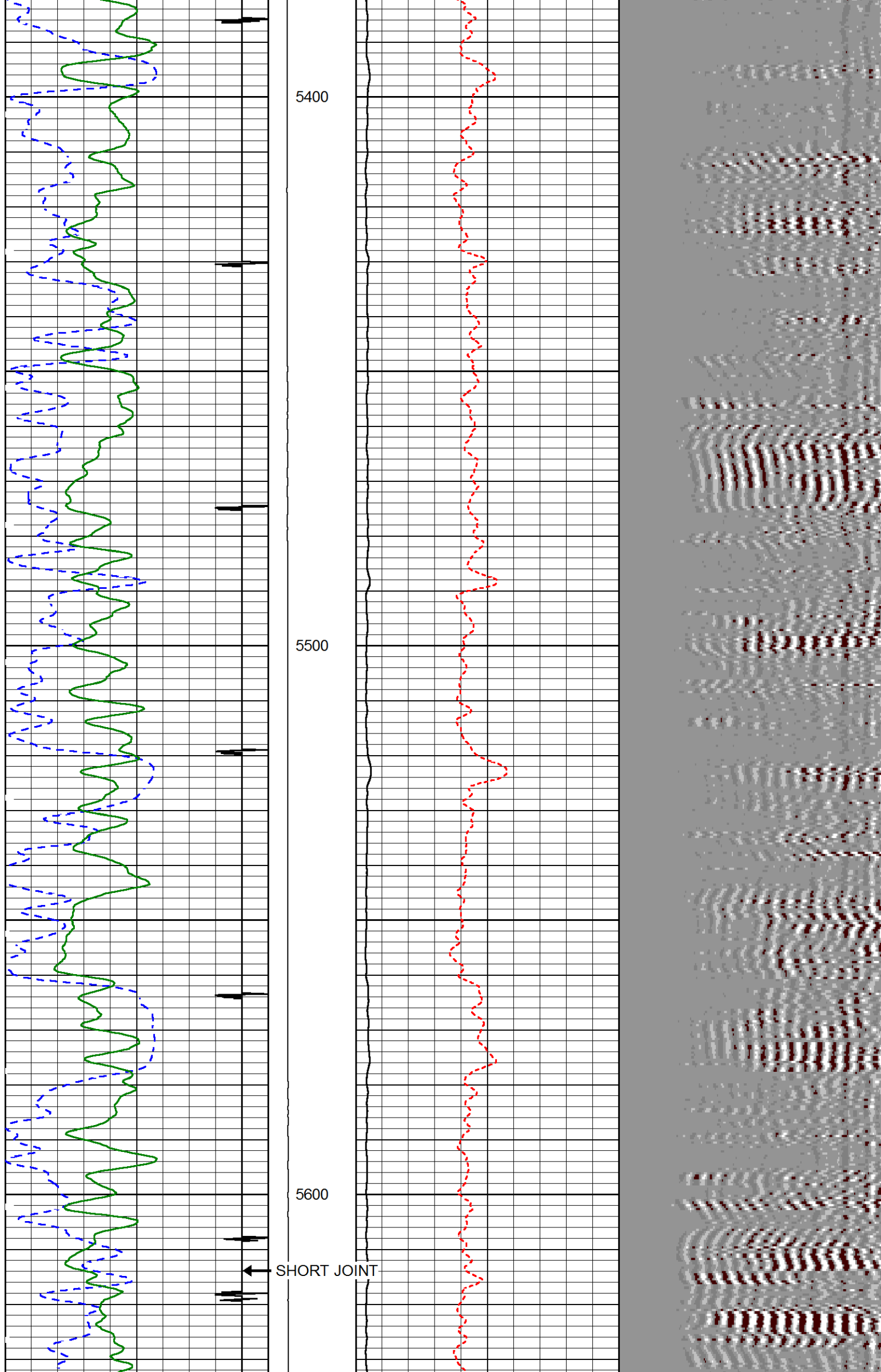




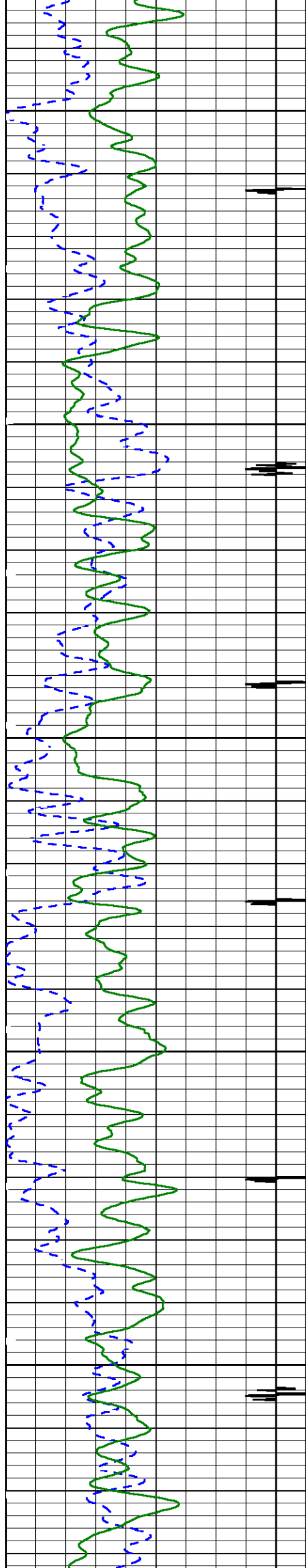
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5300



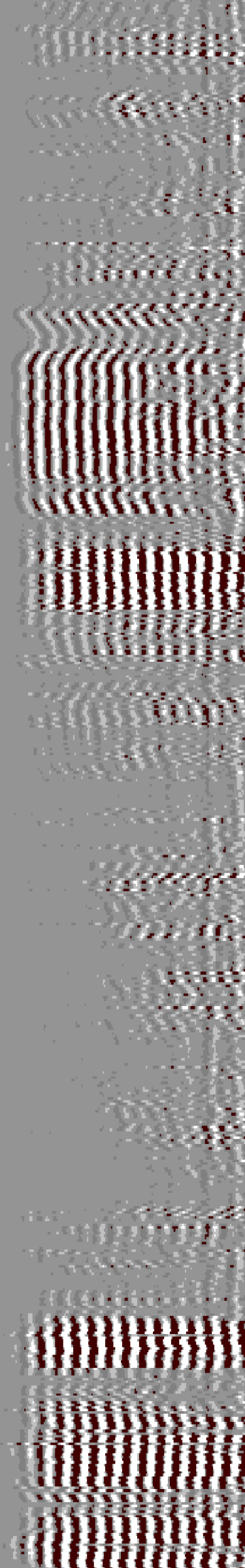
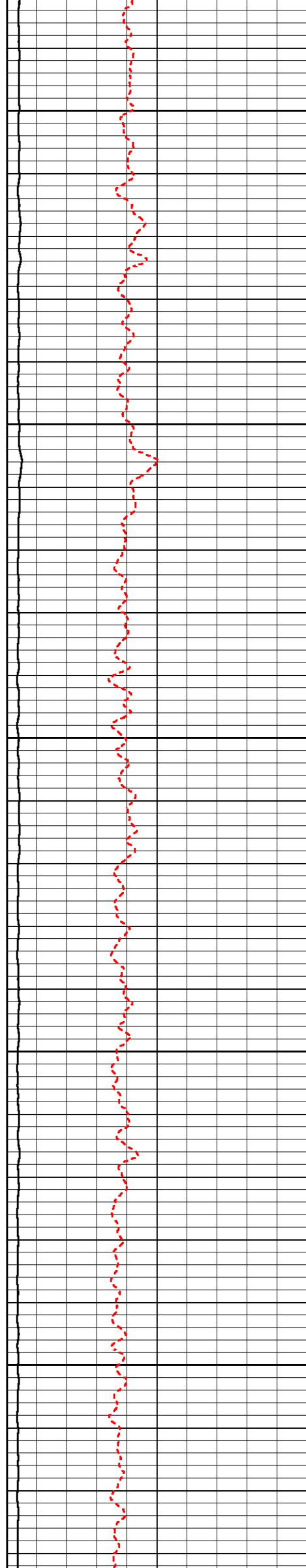


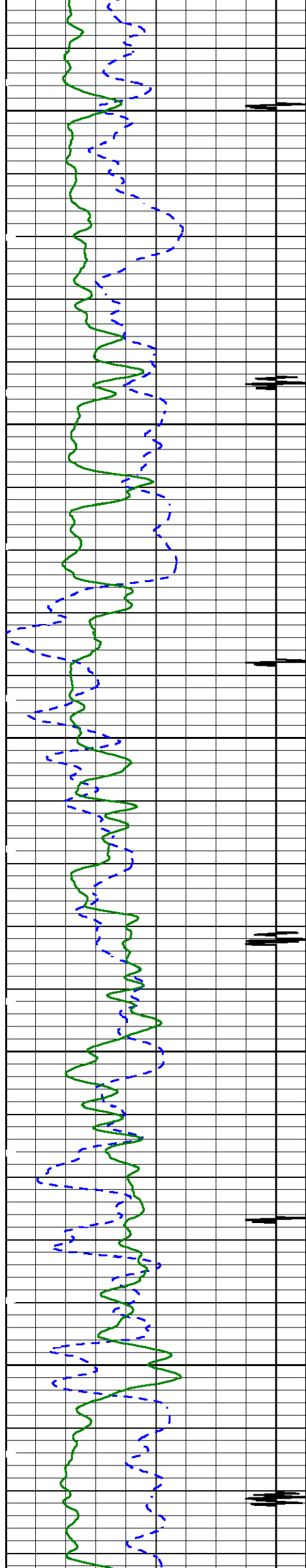




5700

5800

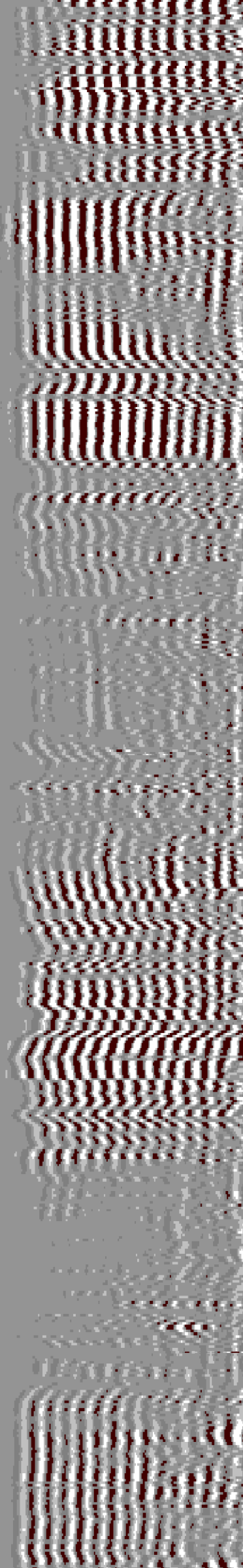
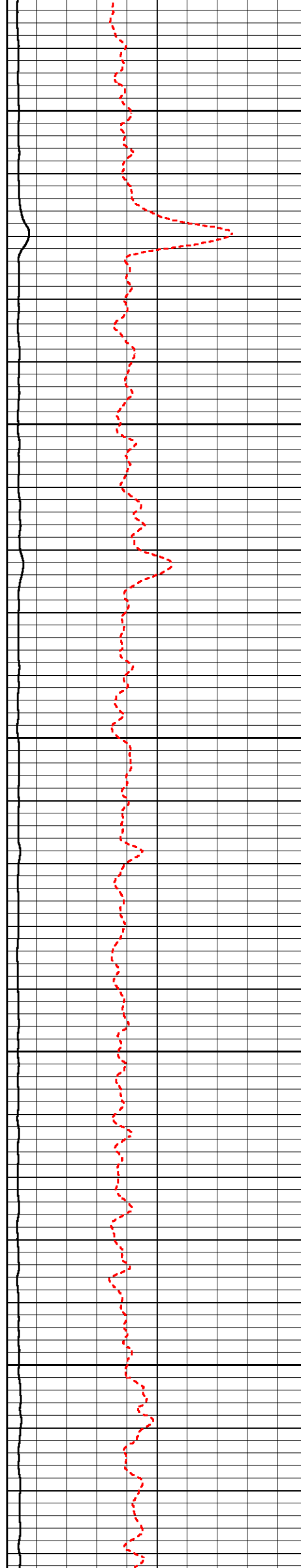


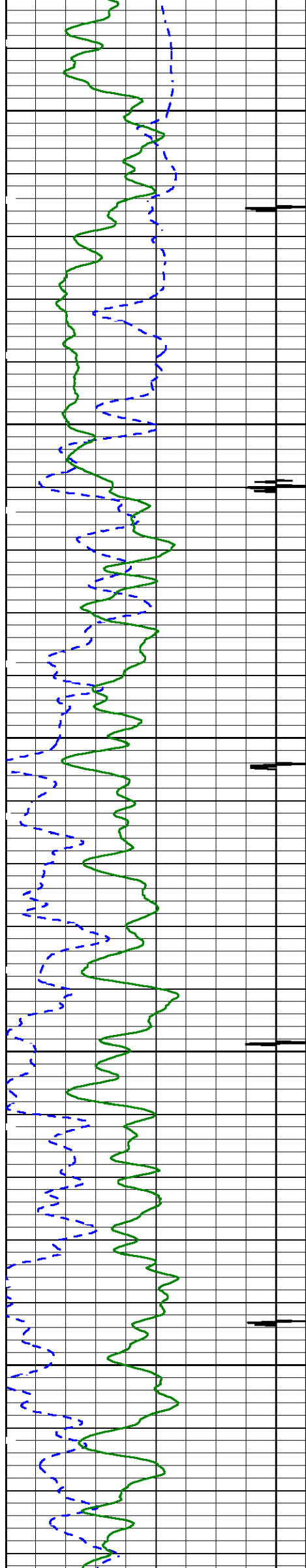


5900

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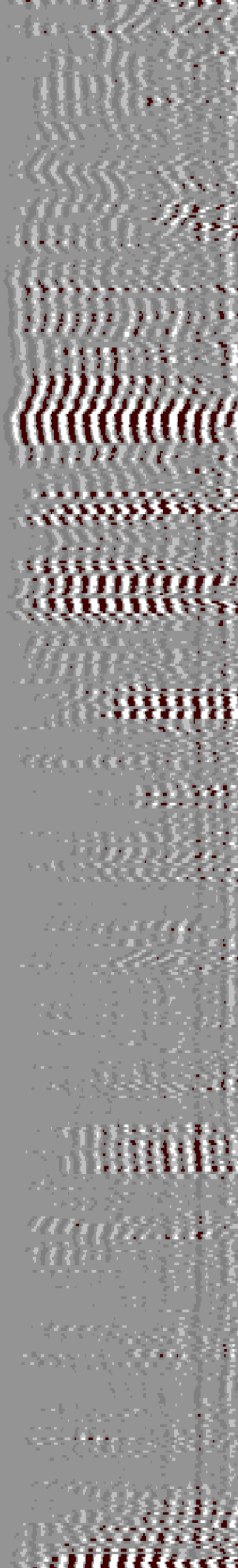
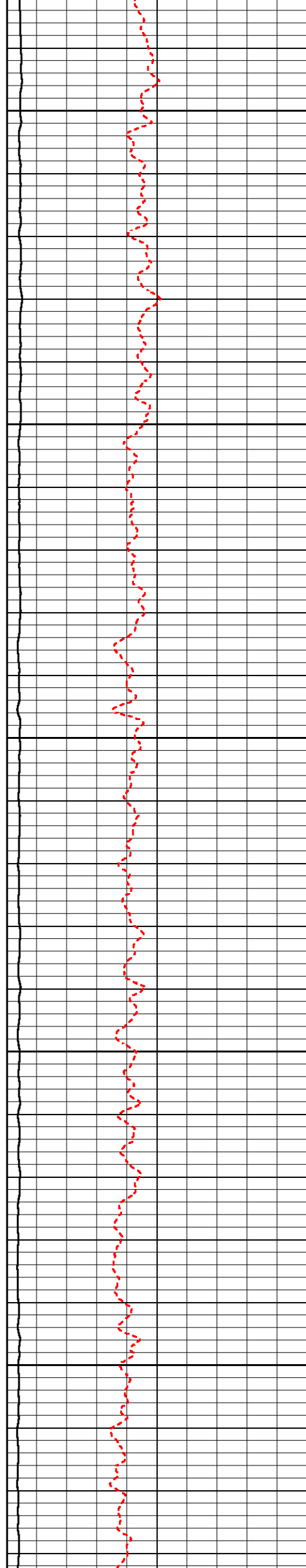
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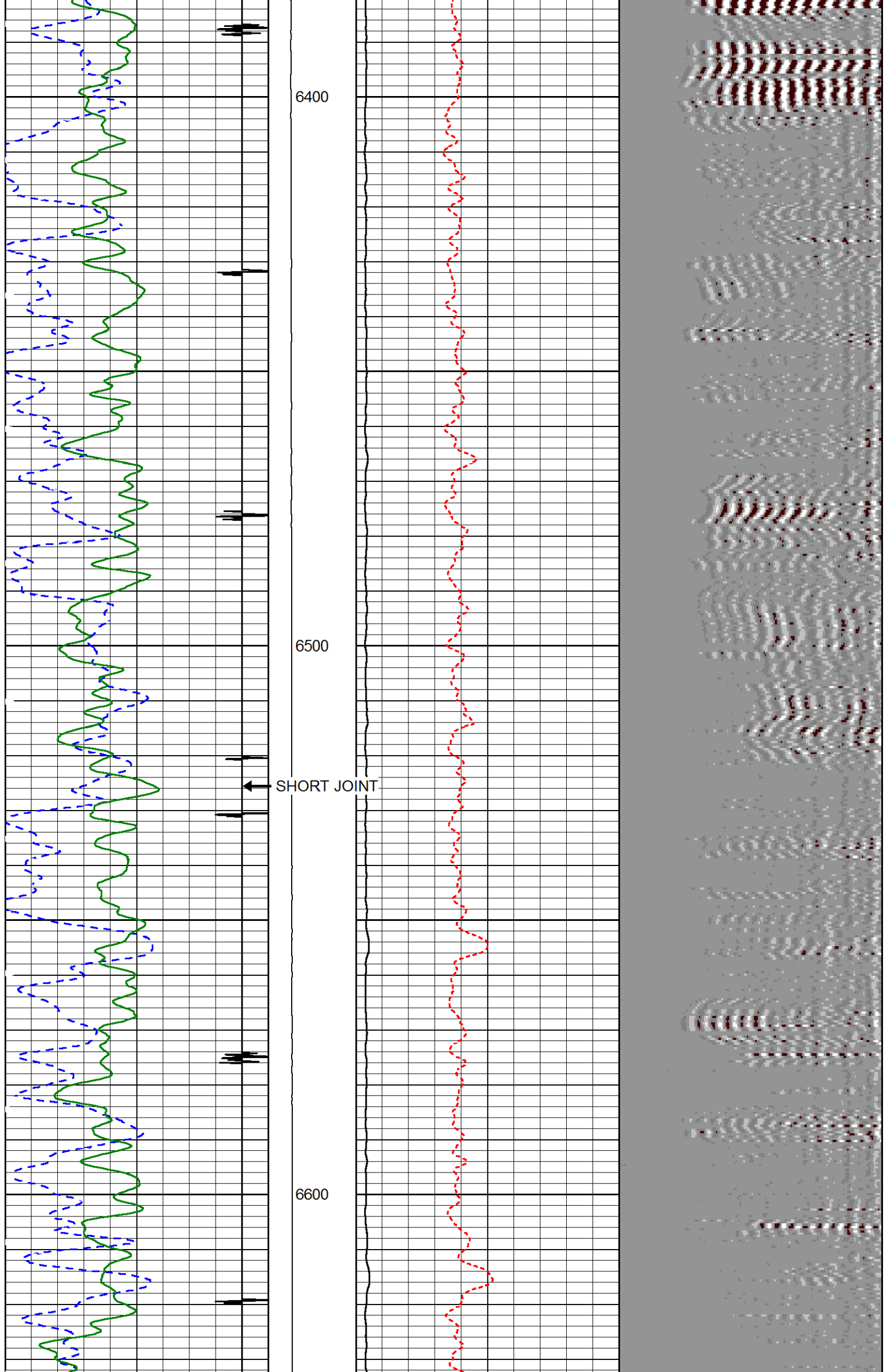


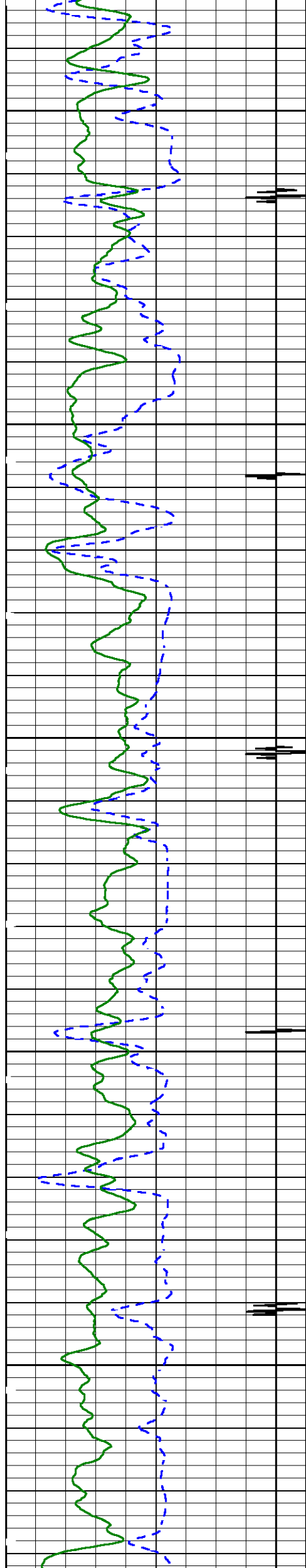


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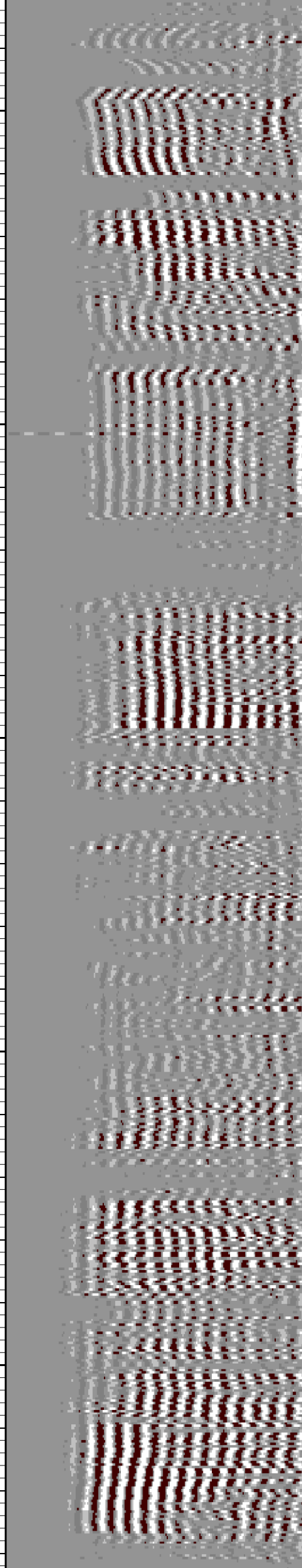
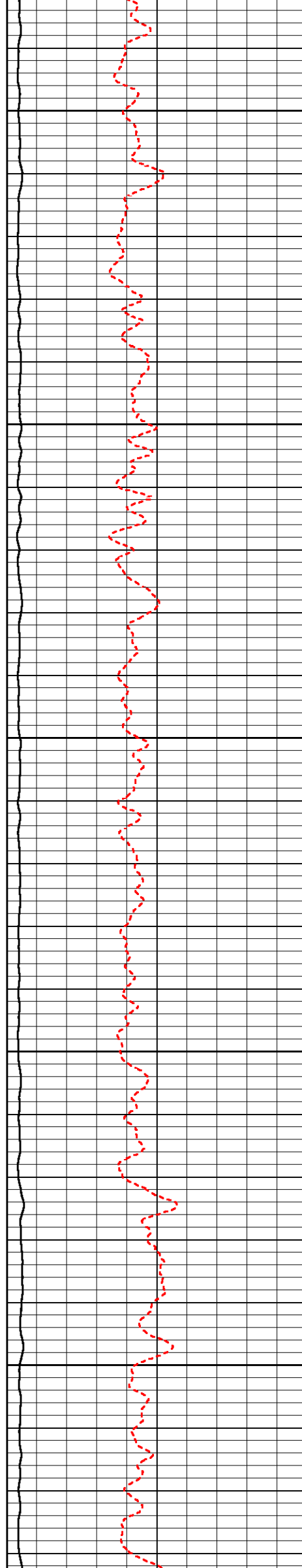




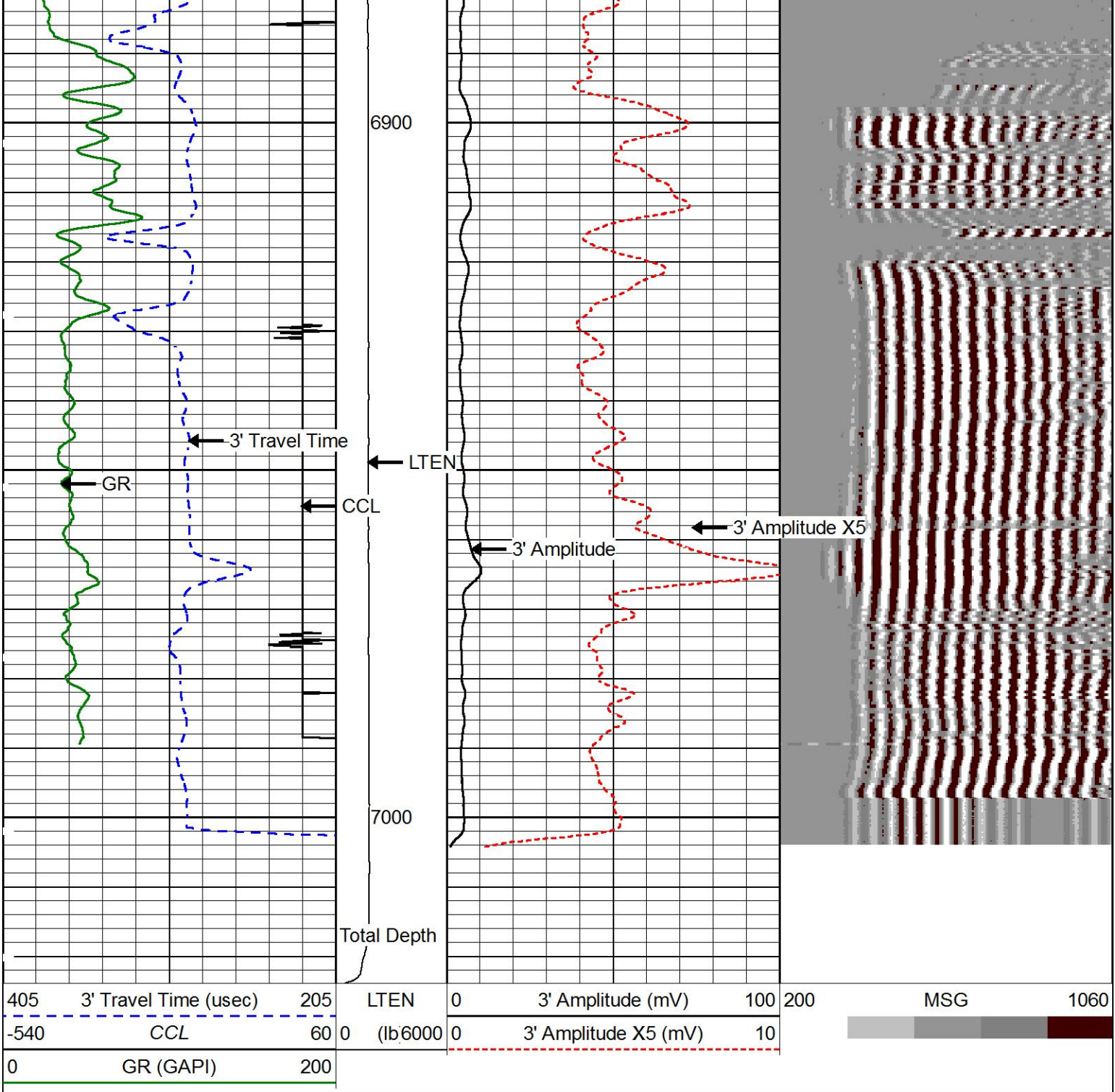


6700

6800

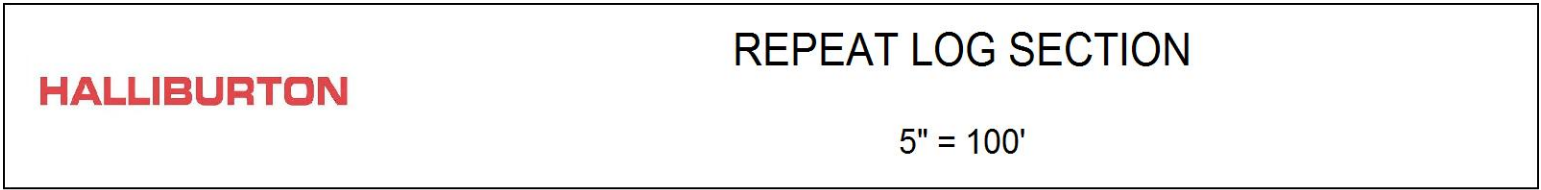






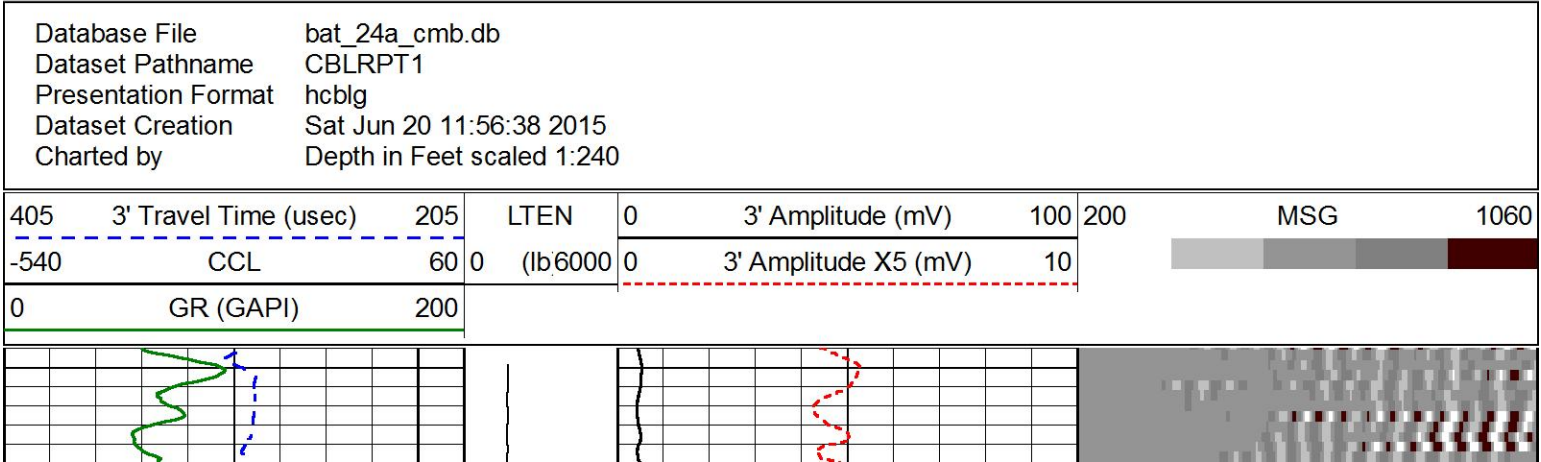
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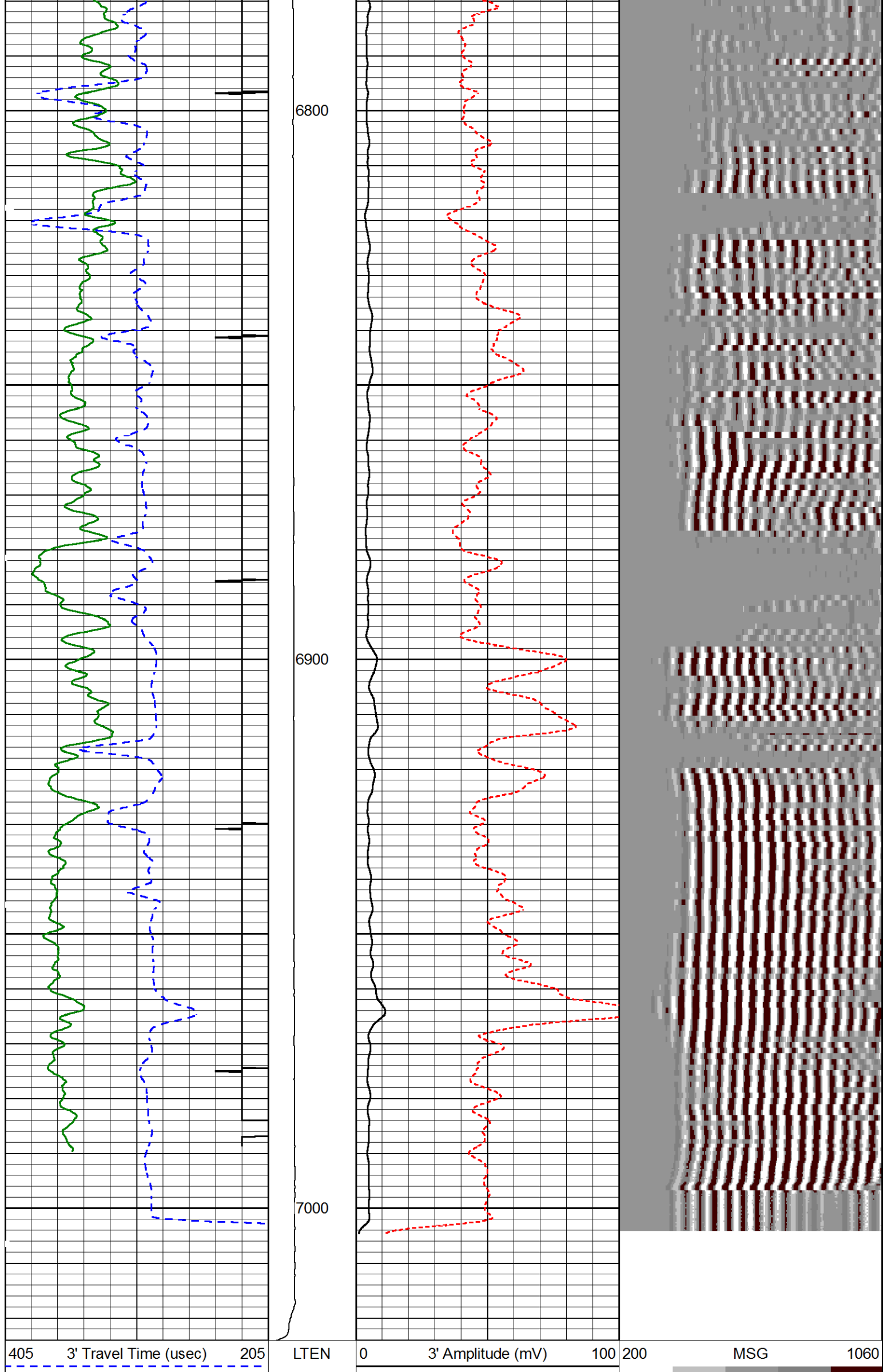
5" = 100'



REPEAT LOG SECTION

5" = 100'





-540

CCL

60

0

(lb/6000)

0

3' Amplitude X5 (mV)

10

0

GR (GAPI)

200

HALLIBURTON

REPEAT LOG SECTION

5" = 100'

Log Variables

DatabaseD:\Warrior\_data\bat\_24a\_cmb.db  
Dataset field/well/run1/MAIN1/\_vars\_

| Top - Bottom            |                        |                     |                |                         |                        |                           |                      |
|-------------------------|------------------------|---------------------|----------------|-------------------------|------------------------|---------------------------|----------------------|
| BHTEMP_Src              | BHSAL2                 | BHSAL1              | POROS2         | POROS1                  | LTH                    | UHSGC                     | RHO CF               |
| TEMP                    | 0                      | 1                   | 0              | 1                       | Sandstone              | NONE                      | 0.25                 |
| SO<br>in<br>0           | BORSAL<br>kppm<br>150  | CASED?<br><br>Yes   | MSGGN<br><br>1 | USERFTT<br>usec/ft<br>0 | ZREF<br>MRayl<br>1.7   | CASEWGHT<br>lb/ft<br>11.6 | SRFTEMP<br>degF<br>0 |
| MudWgt<br>lb/gal<br>804 | CASETHCK<br>in<br>0.25 | CASEOD<br>in<br>4.5 | PERFS<br><br>0 | TDEPTH<br>ft<br>0       | BOTTEMP<br>degF<br>100 | BITSIZE<br>in<br>7.875    |                      |

| Calibration Report |                          |
|--------------------|--------------------------|
| Database File      | bat_24a_cmb.db           |
| Dataset Pathname   | MAIN1                    |
| Dataset Creation   | Sat Jun 20 12:07:34 2015 |

| Reservoir Monitor Tool I Calibration Report |                          |
|---|--------------------------|
| Serial-Model:                               | 12095949-A               |
| Shop Calibration Performed:                 | Wed May 27 10:12:02 2015 |

| Carbon/Oxygen Mode             |           |                |           |          |       |
|--------------------------------|-----------|----------------|-----------|----------|-------|
| Stabilization                  |           |                |           |          |       |
| Result                         | Logged    | Expected Value | Diff.     | Tol.     | Units |
| GENV                           | 82.00     | 80.00          | 2.00      | +/-15.00 | V     |
| ITCR2                          | 3281      | 3250           | 31        | +/-250   | cps   |
| Near Detector                  |           |                |           |          |       |
|                                | Channel   | Expected Value | Amplitude | FWHM     | Tol.  |
| H                              | 60        | 60 +/-2        | 0.0270    | 5.32     | <6.00 |
| Fe                             | 207       | 206 +/-2       | 0.0961    | -----    | ----- |
| NGAIN = 0.993      NZOFF = 0.7 |           |                |           |          |       |
| Far Detector                   |           |                |           |          |       |
|                                | Channel   | Expected Value | Amplitude | FWHM     | Tol.  |
| H                              | 60        | 60 +/-2        | 0.0360    | 5.72     | <6.50 |
| Fe                             | 209       | 208 +/-2       | 0.0918    | -----    | ----- |
| FGAIN = 0.991      FZOFF = 0.5 |           |                |           |          |       |
| Flask Temperature              | 63.5 degF |                |           |          |       |
| Result                         | Logged    | Expected Value | Diff.     | Tol.     | Units |
| COIR2                          | 0.45      | 0.45           | -0.00     | +/-0.02  |       |
| LIRI2                          | 1.65      | 1.64           | 0.01      | +/-0.05  |       |
| TCCR2                          | 5061      | 5000           | 61        | +/-1000  | cps   |
| ITCR2                          | 3240      | 3200           | 40        | +/-250   | cps   |

|                       |        |                |       |          |       |
|-----------------------|--------|----------------|-------|----------|-------|
| Sigma Mode            |        |                |       |          |       |
| Stabilization         |        |                |       |          |       |
| Result                | Logged | Expected Value | Diff. | Tol.     | Units |
| GENV                  | 82.00  | 80.00          | 2.00  | +/-15.00 | V     |
| FCAP                  | 10080  | 10000          | 80    | +/-500   | cps   |
| Horizontal Water Tank |        |                |       |          |       |
| Result                | Logged | Expected Value | Diff. | Tol.     | Units |
| N/F Normalizer        | 0.91   | 0.95           | -0.04 |          |       |
| N/F Inel Norm         | 0.58   | 0.61           | -0.03 |          |       |
| RNF                   | 1.10   | 1.07           | 0.03  | +/-0.12  |       |
| RINC                  | 1.71   | 1.64           | 0.07  | +/-0.18  |       |
| SGFN                  | 24.09  | 24.00          | 0.09  | +/-0.50  | cu    |
| SGFF                  | 22.90  | 22.85          | 0.05  | +/-0.50  | cu    |
| FSIN                  | 24192  | 24000          | 192   | +/-2000  | cps   |
| FCAP                  | 10177  | 10000          | 177   | +/-1000  | cps   |
| NFTR                  | 0.84   |                |       | <5.00    |       |
| FFTR                  | 0.88   |                |       | <5.00    |       |
| NBKG                  | 179    |                |       | <500     | cps   |
| FBKG                  | 93     |                |       | <500     | cps   |
| RTN                   | 0.40   | 0.40           | 0.00  | +/-0.10  | usec  |
| RTF                   | 0.43   | 0.40           | 0.03  | +/-0.10  | usec  |

|                                       |              |
|---------------------------------------|--------------|
| Calibration Software Modules          |              |
| HRMTI Module                          | 2013.11.14.0 |
| RMTI Module                           | 2014.8.28.1  |
| Log Data Acquisition Software Modules |              |
| HRMTI Module                          | 2013.11.14.0 |
| RMTI Module                           | 2014.8.28.1  |

|   |                          |
|---|--------------------------|
| Cement Bond Log Shop Calibration Report |                          |
| Serial-Model:                           | 11817843-A               |
| Calibration Performed:                  | Wed Jun 17 01:49:39 2015 |








|                                 |          |       |
|---------------------------------|----------|-------|
| Free Pipe Calibration           |          |       |
|                                 | Measured | Units |
| TT                              | 246.9    | usec  |
| Amplitude                       | 574.2    | mV    |
| Log Base Line                   | -7.6     | mV    |
| Calibration References and Gain |          |       |
| Name                            | Value    | Units |
| Pipe O.D.                       | 4.500    | in    |
| Pipe Weight                     | 11.6     | lb/ft |
| Pipe Ref. Amp.                  | 81.2     | mV    |
| Amp. Gain                       | 0.140    |       |

|                              |                |
|------------------------------|----------------|
| Gamma Ray Calibration Report |                |
| Type / Serial:               | 002 / 11495480 |

|                      |                          |        |        |     |          |
|----------------------|--------------------------|--------|--------|-----|----------|
| SHOP CALIBRATION     | Sat Jun 20 07:02:20 2015 |        |        |     |          |
|                      | Counts/Sec.              | Gain   | Offset | Jig | Units    |
| Background           | 43.9                     |        |        |     | cps      |
| Calibrator           | 341.5                    |        |        |     | cps      |
|                      |                          | 1.3711 |        |     | GAPI/cps |
| PRIMARY VERIFICATION | Sat Jun 20 07:04:41 2015 |        |        |     |          |



|                            |       |       |      |
|----------------------------|-------|-------|------|
| Background                 | 58.7  |       | cps  |
| Calibrator                 | 472.4 |       | cps  |
| Difference                 |       | 413.8 | GAPI |
| BEFORE SURVEY VERIFICATION |       |       |      |
| Background                 | 0.0   |       | cps  |
| Calibrator                 | 0.0   |       | cps  |
| Difference                 |       | 0.0   | GAPI |
| AFTER SURVEY VERIFICATION  |       |       |      |
| Background                 | 0.0   |       | cps  |
| Calibrator                 | 0.0   |       | cps  |
| Difference                 |       | 0.0   | GAPI |

| Sensor             | Offset (ft)    | Schematic   | Description  | Length (ft) | O.D. (in) | Weight (lb) |
|--------------------|----------------|---|--|-------------|-----------|-------------|
| CCL                | 35.09          |    | STNDCH-STND_CH<br>1.4375 IN CABLE HEAD                                 | 1.50        | 1.44      | 1.00        |
|                    |                |   |  |             |           |             |
| GR                 | 32.83          |    | TTTCU-002 (11495480)<br>Through Tubing Telemetry Cartridge - Ultrawire | 7.65        | 1.69      | 100.00      |
|                    |                |   |  |             |           |             |
|                    |                |  | XHU-003 (12461939)<br>Crossover Halliburton 1553 to Ultrawire          | 1.58        | 1.69      | 7.00        |
|                    |                |   |  |             |           |             |
| Temp               | 23.11          |  | CENT-CASTM-CENT<br>CAST M INLINE CENTRALIZER                           | 2.16        | 3.13      | 25.00       |
|                    |                |   |  |             |           |             |
| TT3FT<br>AMP3FT    | 20.86<br>20.86 |  | HCBLM-A (11817843)<br>Halliburton HCBLM Tool                           | 9.38        | 2.75      | 116.00      |
|                    |                |   |  |             |           |             |
|                    |                |  | CENT-CASTM-CENT<br>CAST M INLINE CENTRALIZER                           | 2.16        | 3.13      | 25.00       |
|                    |                |   |  |             |           |             |
| RmtTFGT<br>RmtTNGT | 8.47<br>7.97   |  | RMTI-A (12095949)<br>Halliburton RMTI Tool                             | 14.00       | 2.13      | 77.00       |



|  |      |  |  |   |      |      |      |
|--|------|--|--|---|------|------|------|
|  |      |  |  |   |      |      |      |
| RmtFP5V  | 0.22 |  |  |   |      |      |      |
| RmtCommFWar  | 0.22 |  |  |   |      |      |      |
| LOCTIM   | 0.00 |  |  |   |      |      |      |
| UTCTIM   | 0.00 |  |  |   |      |      |      |
| LLMTEN   | 0.00 |  |  |   |      |      |      |
|  |      |  |  | BUL-006 (000002)<br>Bullnose Terminator | 0.22 | 1.69 | 1.20 |
| Dataset: bat_24a_cmb.db: field/well/run1/MAIN1<br>Total length: 38.66 ft<br>Total weight: 352.20 lb<br>O.D.: 3.13 in |      |  |  |   |      |      |      |

|             |                             |  |       |    |  |
|-------------|-----------------------------|--|-------|----|--|
| Company     | URSA OPERATING CO., LLC.    |  |       |    |  |
| Well        | BAT 24A-18-07-95            |  |       |    |  |
| Field       | PARACHUTE                   |  |       |    |  |
| County      | GARFIELD                    |  | State | CO |  |
| HALLIBURTON | ACOUSTIC CEMENT<br>BOND LOG |  |       |    |  |