



RESERVOIR PERFORMANCE MONITOR

Baker Atlas

File No: _____ Company _____ EXXONMOBIL PRODUCTION COMPANY

API No. _____ Well _____ FRU 197-28A6

Country _____ Field _____ FREEDOM UNIT

State _____ R10 BLANCO _____ COLORADO

Location: _____ 2572' FSL & 235' FTL _____ Other Services _____

SEC: 28 TWP: 15 RGE: 9W

Permanent Datum _____ G.L. _____ Elevation _____ 6082 ft

Log Measured From _____ K.B. _____ 27 ft _____ Above P. D.

Drill Measured From _____ KELLY BUSHING _____ Elevations _____

KB 6108 ft

DF 6108 ft

GL 6082 ft

Bottom Logged Interval _____ 12074 ft

Top Logged Interval _____ 8992 ft

Time Started _____ 20:00

Time Finished _____ 08:00

Operator Rig Time _____ 9 HRS

Type of Fluid in Hole _____ WATER

Fluid Density _____ N/A

Fluid Salinity _____ N/A

Fluid Level _____ FULL

Logged Cement Top _____ N/A

Wellhead Pressure _____ 0 psi

Maximum Hole Deviation _____ N/A

Nominal Logging Speed _____ 10 fpm

Maximum Recorded Temperature _____ N/A

Reference Log _____ BY/BOUND

Equipment Log Date _____ 08-SEP-10

Equipment _____ 4271 _____ GRAND JCT, CO

Recorded By _____ TIM KAUTT

Witnessed By _____ MR. JIM JONES

Date _____ 08-SEP-2010

Run _____ ONE

Service Order _____ 576848

Depth Driller _____ 12143 ft

Depth Logger _____ 12074 ft

Bottom Logged Interval _____ 12074 ft

Top Logged Interval _____ 8992 ft

Time Started _____ 20:00

Time Finished _____ 08:00

- FOLD HERE

In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Borehole Record

| Bit Size | From | To |
|----------|------|----|
| 8.125 in | | |

Casing Record

| Size | Weight | Grade | From | To |
|----------|-------------|-------|---------|----------|
| 10.75 in | 45.5 lbm/ft | J-55 | SURFACE | 3695 ft |
| 4.5 in | 15.1 lbm/ft | P-110 | SURFACE | 12143 ft |

Remarks

THE CREW OF 4271 THANKS YOU.

Equipment Data

| Run | Trip | Tool | Series Number | Serial Number | Position |
|-----|------|------|---------------|---------------|----------|
| 1 | 1 | RPM | B2B1FA | 1040B0D82 | FREE |

| | | | | | |
|---|---|-----------|--------|----------|------|
| 1 | 1 | RPM | B2B1PA | 10180383 | FREE |
| 1 | 1 | RPM | B2B1EA | 10273348 | FREE |
| 1 | 1 | GAMMA RAY | B2B2XA | 10191270 | FREE |
| 1 | 1 | CCL | B248EA | 10387150 | FREE |
| 1 | 1 | PCM | B250EA | 151000 | FREE |

MAIN SECTION IN PNC 3-D MODE

SPL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | TOP | BOTTOM |
|------------------|---------------|----------------|-------|----------|-----------|
| PNC Porosity | Borehole | Cased | | 6987.899 | 12083.000 |
| PNC Porosity | Borehole Size | 6.125 | inch | 6987.899 | 12083.000 |
| PNC Porosity | Casing Size | 4.500 | inch | 6987.899 | 12083.000 |
| PNC Porosity | Gas Filled | Non Gas Filled | | 6987.899 | 12083.000 |
| PNC Porosity | Matrix | Sandstone | | 6987.899 | 12083.000 |

DEPTH OFFSETS (for Acquired Curves)

| SERIES | DEPTH OFFSET | ACQUIRED CURVES | | | | | | | |
|--------|--------------|-----------------|--------|--------|--------|--------|--------|--------|--------|
| 8248EA | -15.470 | FLTM | | | | | | | |
| 8248EA | -13.470 | CCL | CHV | | | | | | |
| 8262XA | -10.189 | GR | | | | | | | |
| 8281XA | -0.662 | HVC3Q0 | SEQ3 | AMA3 | AML3 | BKX | CXS | | |
| | | CPT3Q0 | CPT3Q2 | CPT3Q3 | CPT3Q4 | ET3 | IXS | | |
| | | MCS3 | MCS3Q0 | QCAL3 | RGN3 | RICK | SDA3 | | |
| | | SDL3 | SGA3 | SGL3 | STA3 | XS | ASPEC3 | | |
| | | AMB3 | AMF3 | CHF3 | IXSC | IXSN | RAT023 | | |
| | | RICKC | RIN13C | RIN23 | RIN23C | SD3D | SG3D | | |
| | | SGB3 | SGF3 | WDTH3 | CXSR | IXSR | XSR | | |
| | | RICKR | | | | | | | |
| | | 8281XA | -0.250 | HVC2Q0 | SEQ2 | AMA2 | AMB2 | AMF2 | AML2 |
| | | | | BKL | CHF2 | CLS | CPT2Q0 | CPT2Q2 | CPT2Q3 |
| CPT2Q4 | ET2 | | | ILS | LS | MCS2 | MCS2Q0 | | |
| QCAL2 | RGN2 | | | RICL | RONE23 | RTW023 | SDA2 | | |
| SDL2 | SGA2 | | | SGL2 | STA2 | XS | ASPEC2 | | |
| CPT2Q1 | CPT2Q2 | | | CPT2Q3 | CPT2Q4 | ET2 | IXS | | |

8281XA

0.000

| | | | | | |
|---------|---------|--------|--------|--------|---------|
| STA2 | ASPEC2 | ILSC | ILSN | WDTH2 | RICLC |
| CLSR | ILSR | LSR | RICLR | | |
| CPRS | HVC1Q0 | WV | SEQ | SEQ1 | AMA1 |
| AMB1 | AME1 | AMF1 | AML1 | BKS | CHF1 |
| GSS | CORB | QGRF | CPT1Q0 | CPT1Q2 | CPT1Q2A |
| CPT1Q2B | CPT1Q2C | CPT1Q3 | CPT1Q4 | CPT1Q5 | ET1 |
| G1 | G2 | GE1S | GE2S | ISS | MCS1 |
| MCS1Q0 | QA1 | QCAL1 | QM1 | RAT0 | RAT013 |
| RBOR | RGN1 | RICS | RIN | RONE | RPOR |
| RTW0 | RIN13 | RONE13 | RTW013 | SALB | SC1 |
| SDA1 | SDL1 | SGA1 | SGB1 | SGBC | SGE1 |
| SGF1 | SGFC | SGK1 | SGL1 | SS | SS2 |
| STA1 | PD1S | PD2S | PD3S | MD1S | MD2S |
| MD3S | DG1S | DG2S | DG3S | PD1M | PD2M |
| PD3M | MD1M | MD2M | MD3M | DG1M | DG2M |
| DG3M | MVS | WA | MVM | FILV | IAM |
| TA | PVM | PVS | IAS | SSTAT | QPD1 |
| QPD2 | QPD3 | QMD1 | QMD2 | QMD3 | QDG1 |
| QDG2 | QDG3 | QMA | QTA | QFILV | QMV |
| QPV | QIA | DERR | DCNT | QPK1 | QSA1 |
| PKS1 | ASPEC1 | HOC | FE2XC | ISSC | RINC |
| ISSN | RDEN | WDTH1 | RICSC | CSSR | G1R |
| G2R | ISSR | SSR | SS2R | RATOR | RAT013R |
| RBORR | RICSR | RINR | RIN13R | RONER | RPORR |
| RTWOR | | | | | |
| SYSTEM | 0.000 | TEN | TTEN | | |

Created by : MIXED

Plotted by : PlotMgr, v5.4.504

Company : EXXONMOBIL PRODUCTION COMPANY

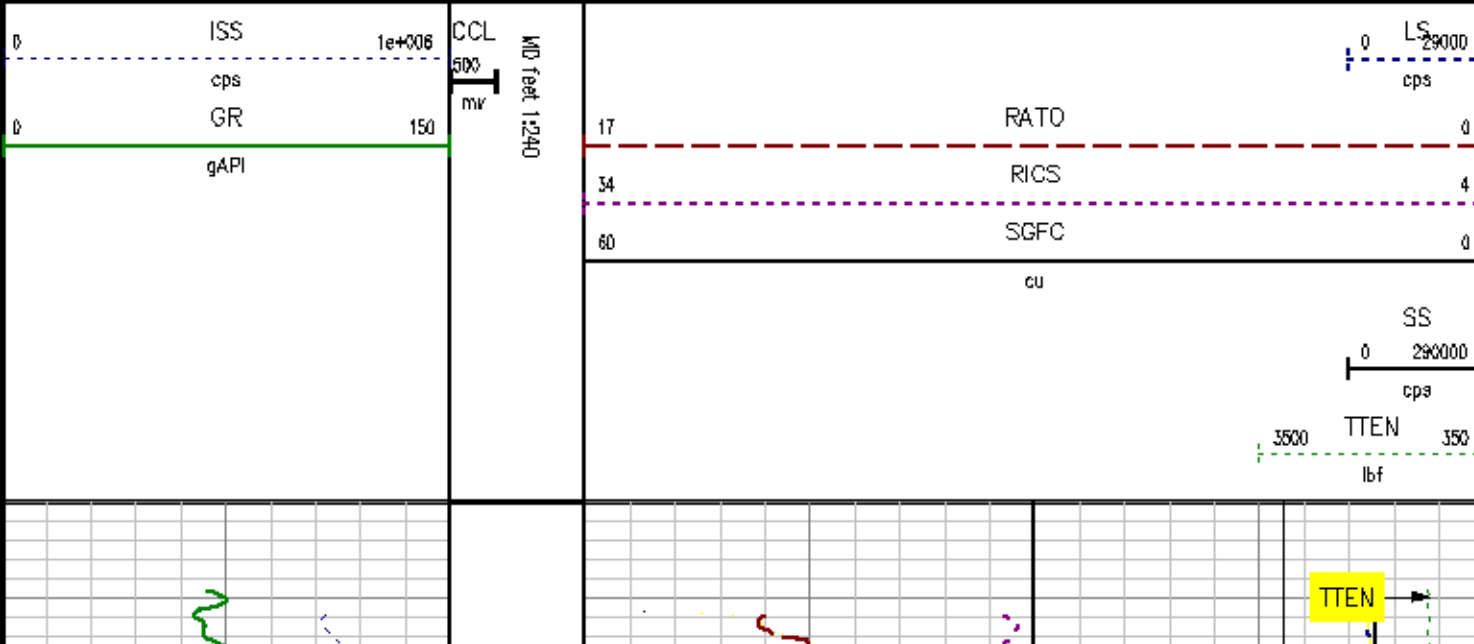
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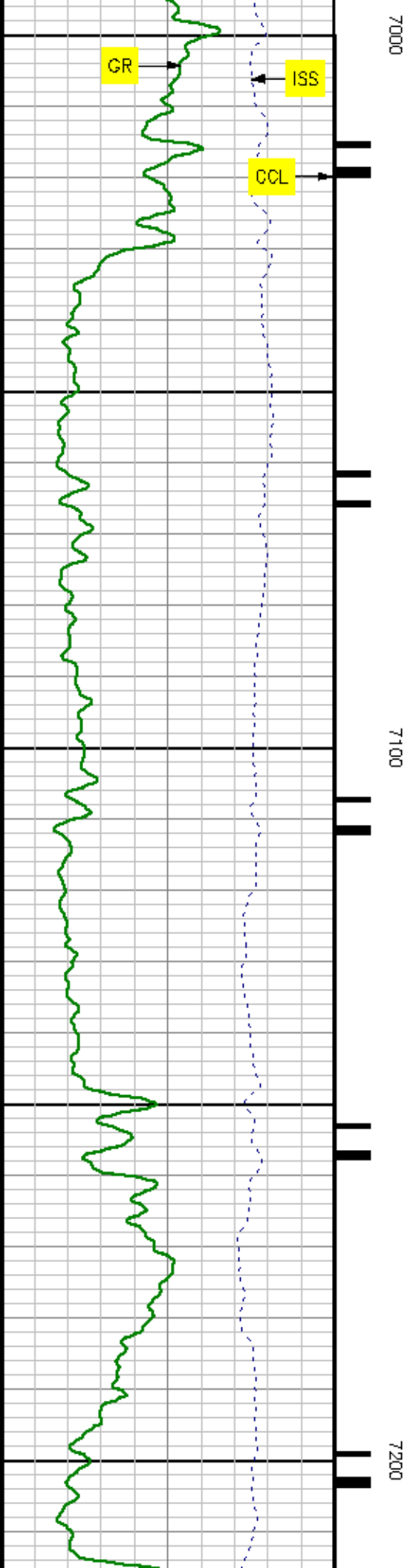
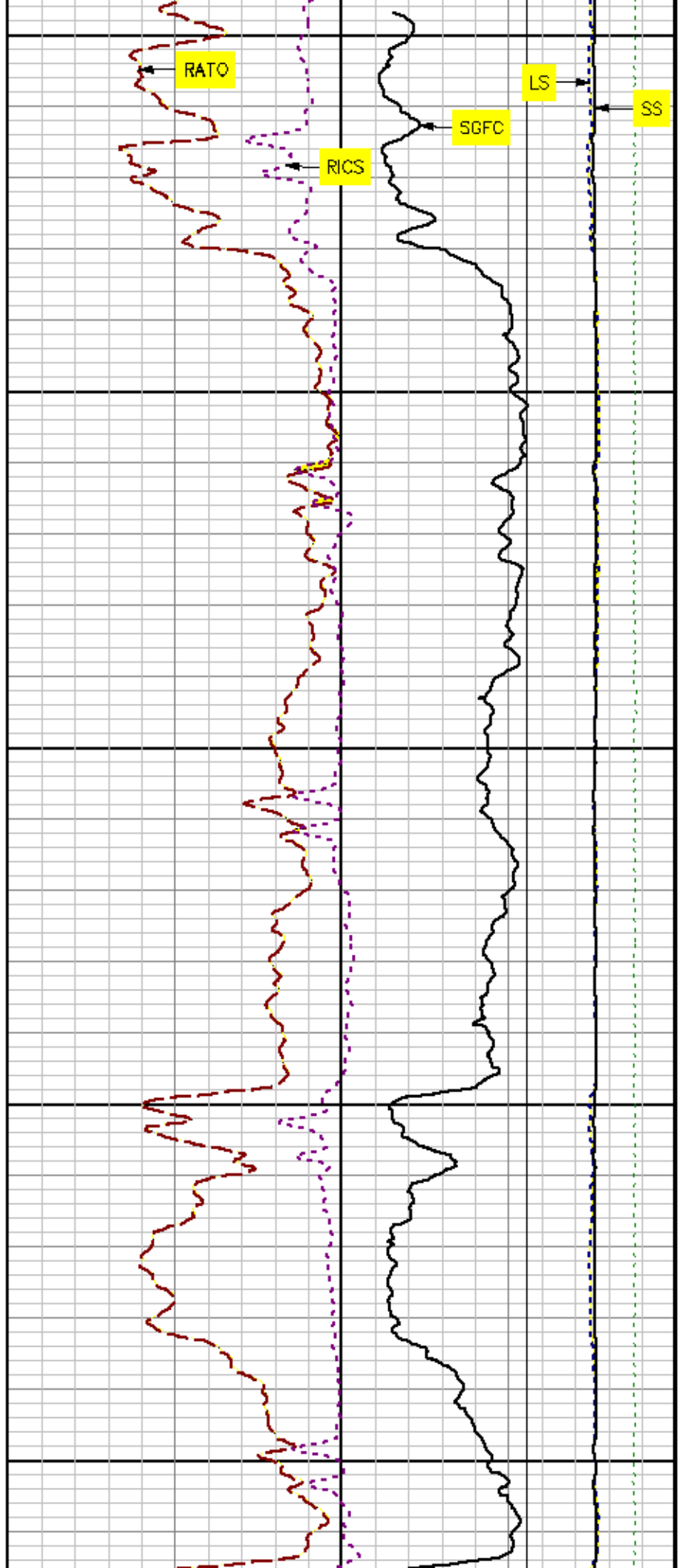
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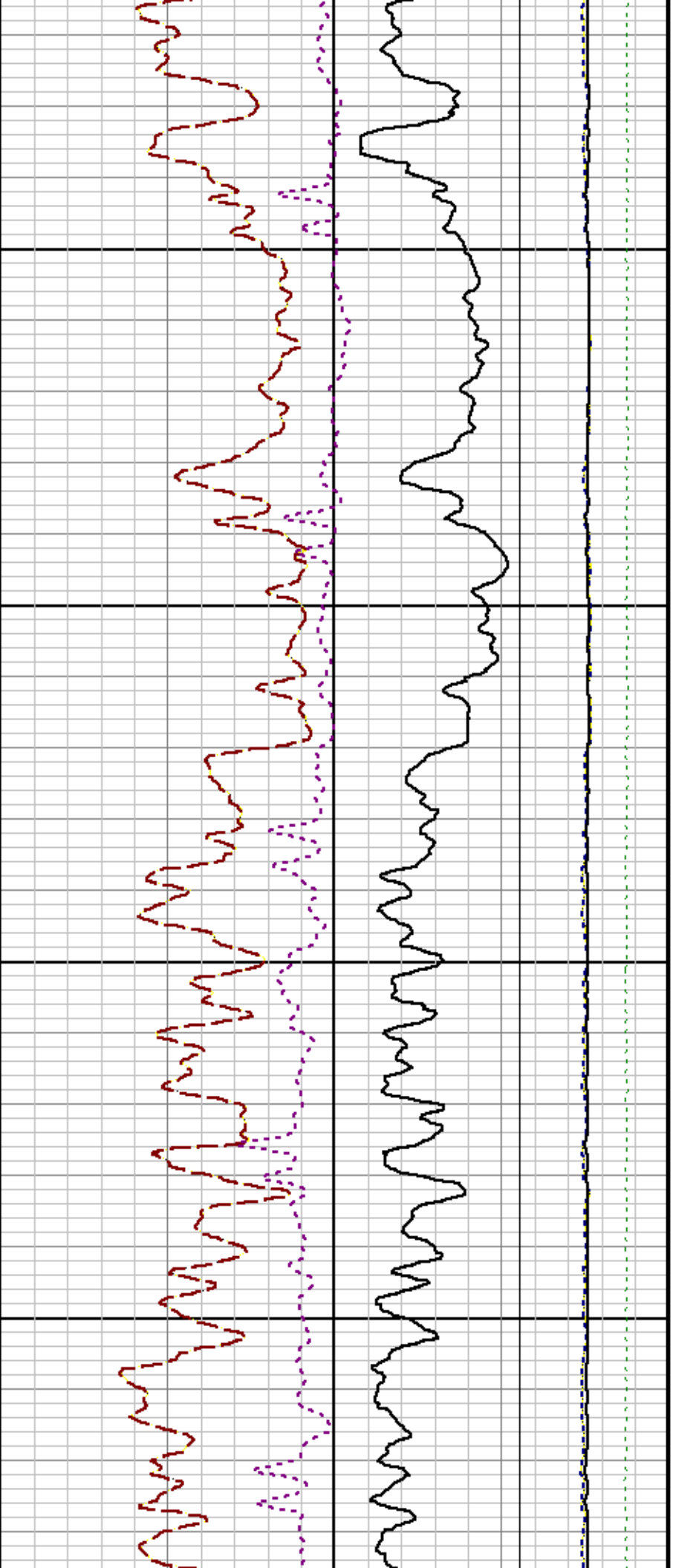
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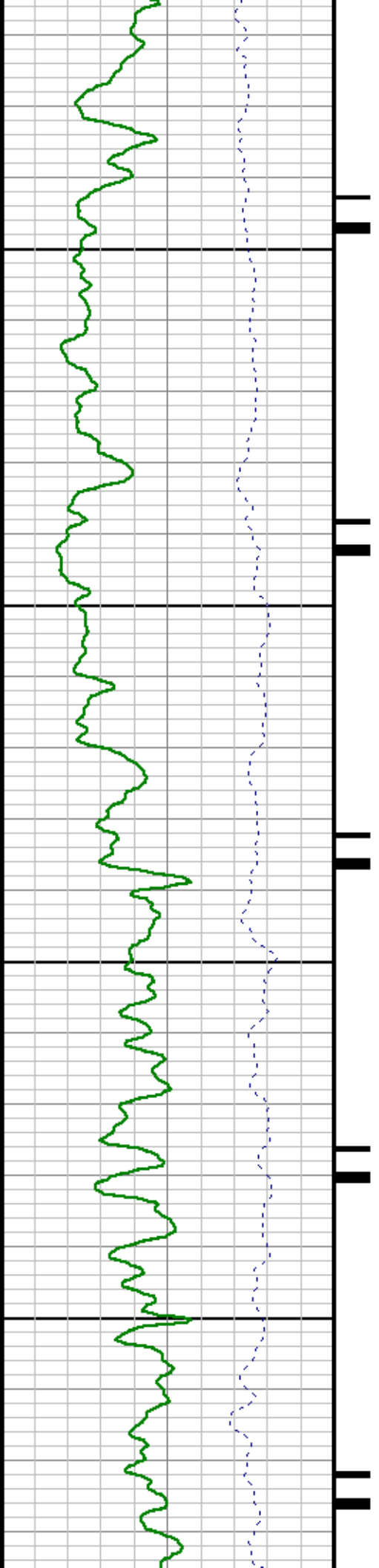


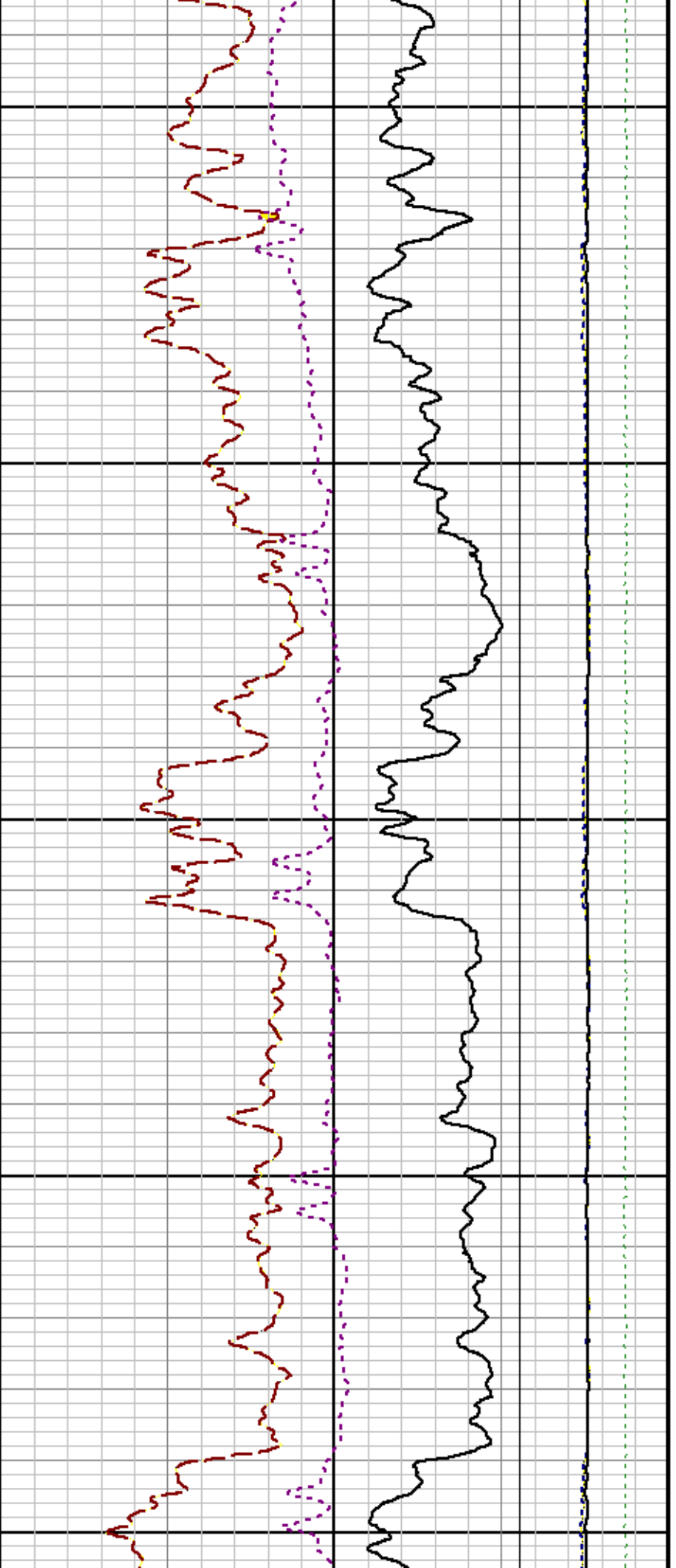




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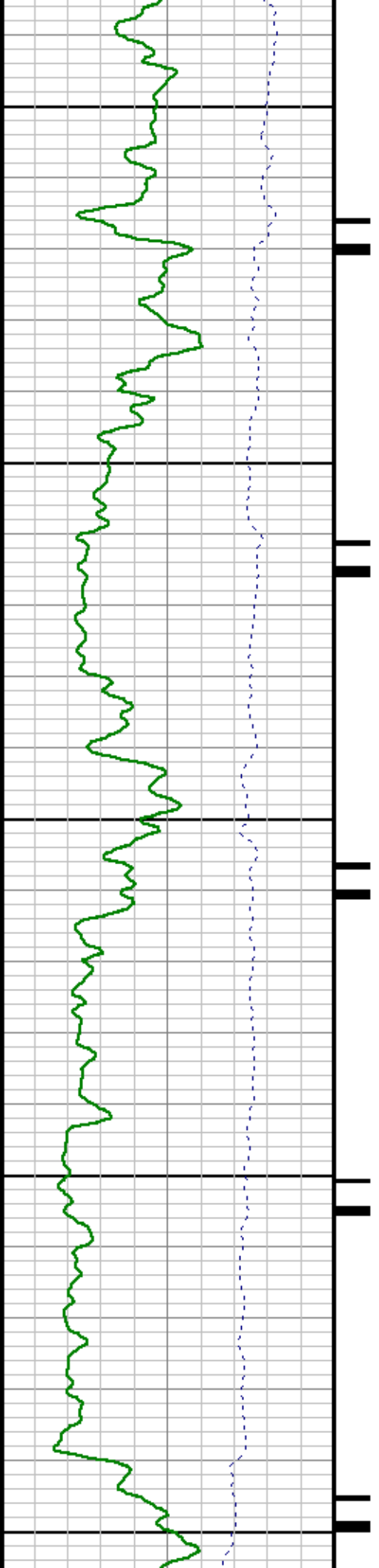
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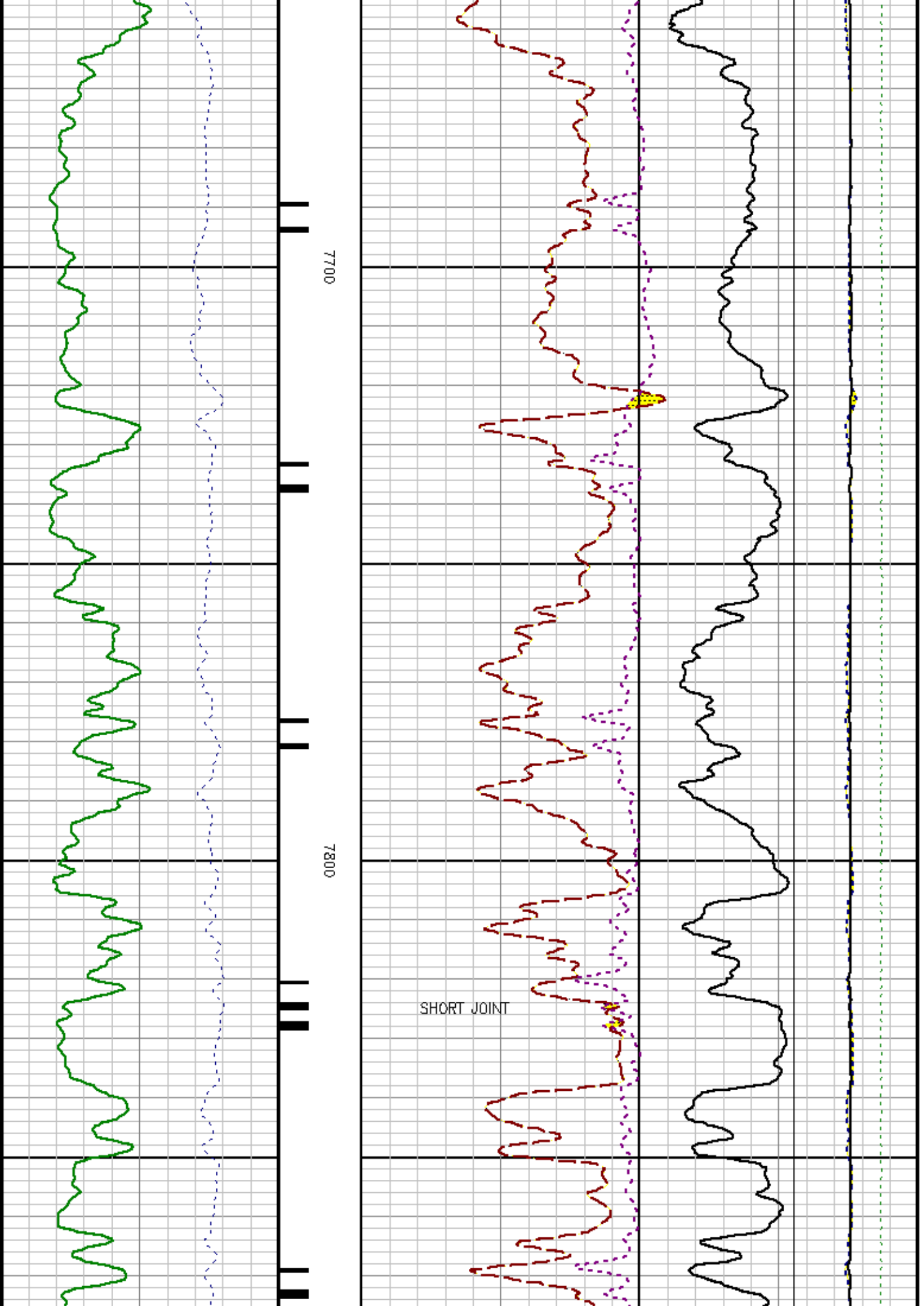


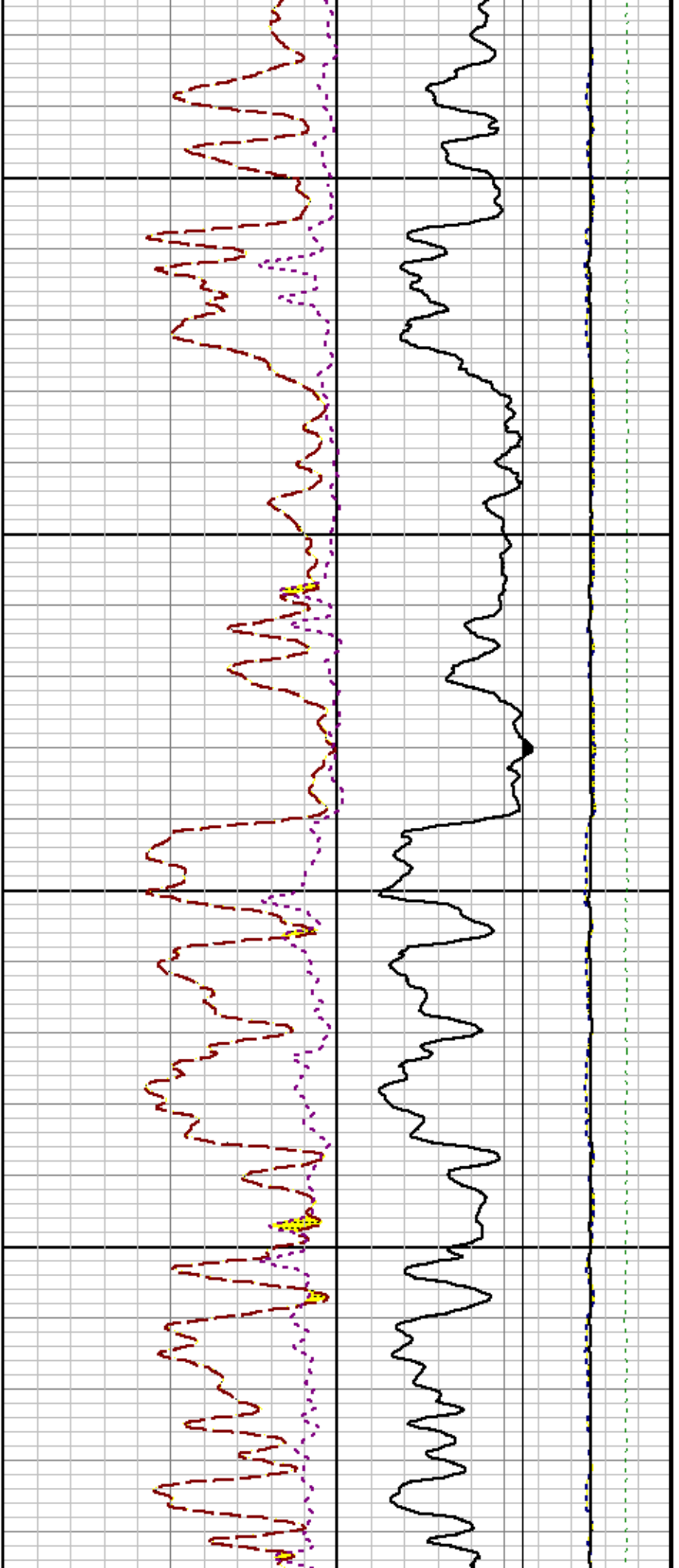


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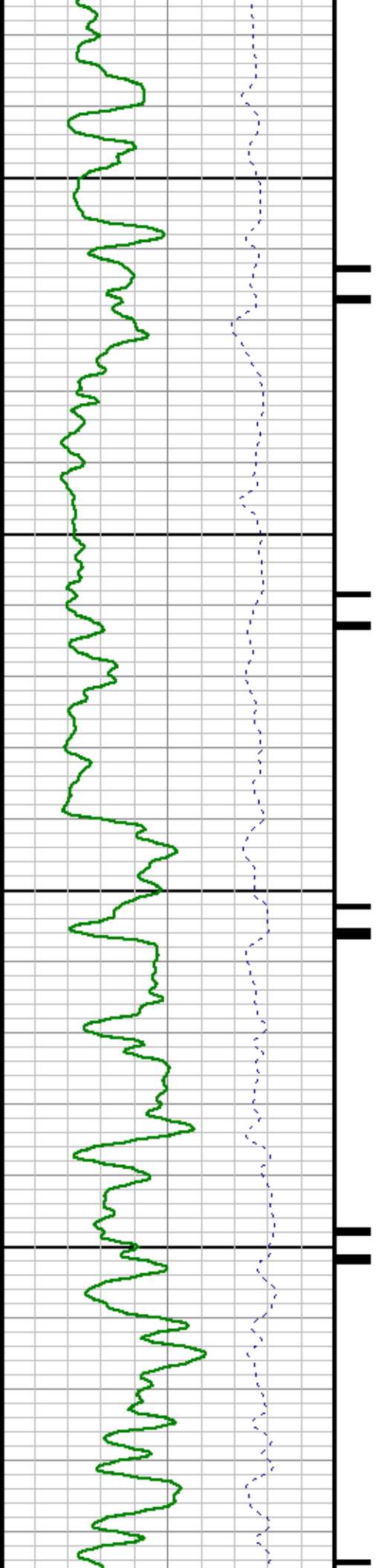


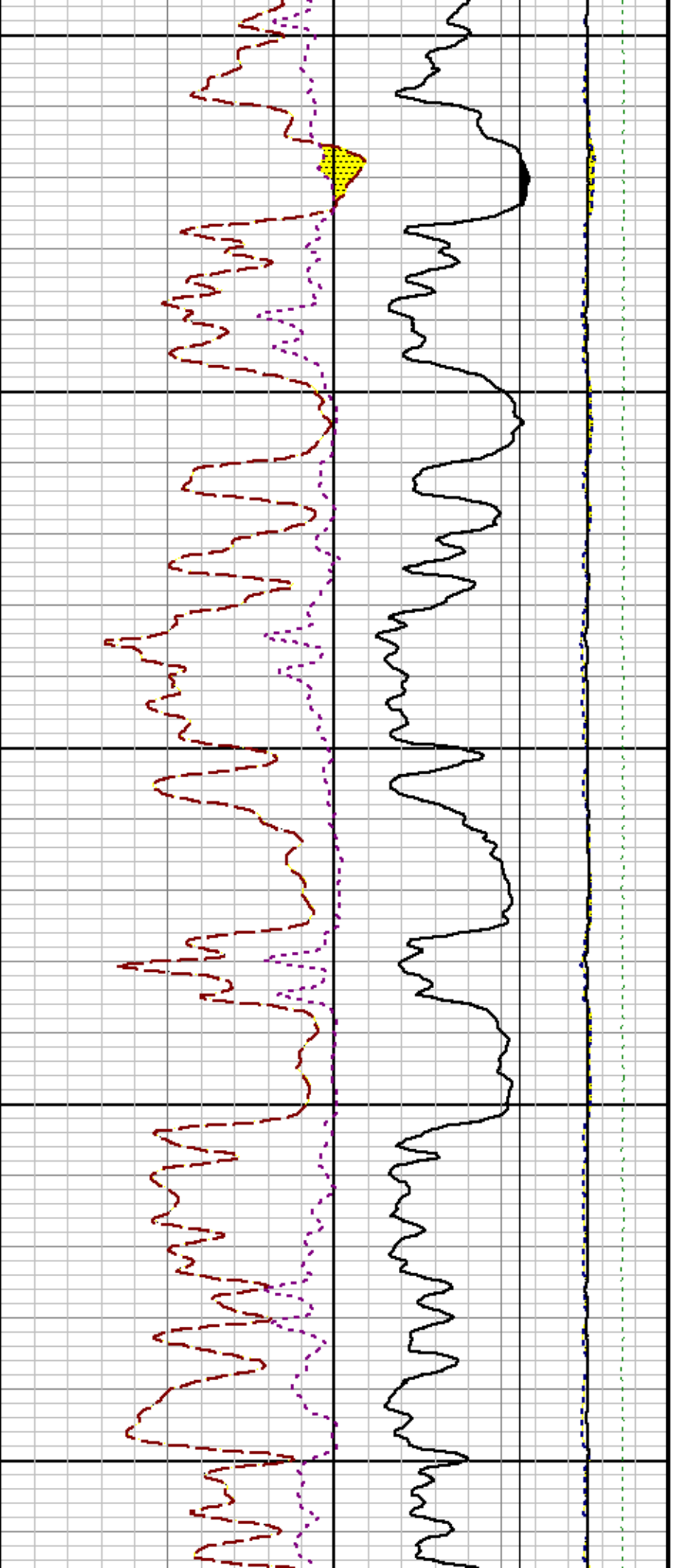




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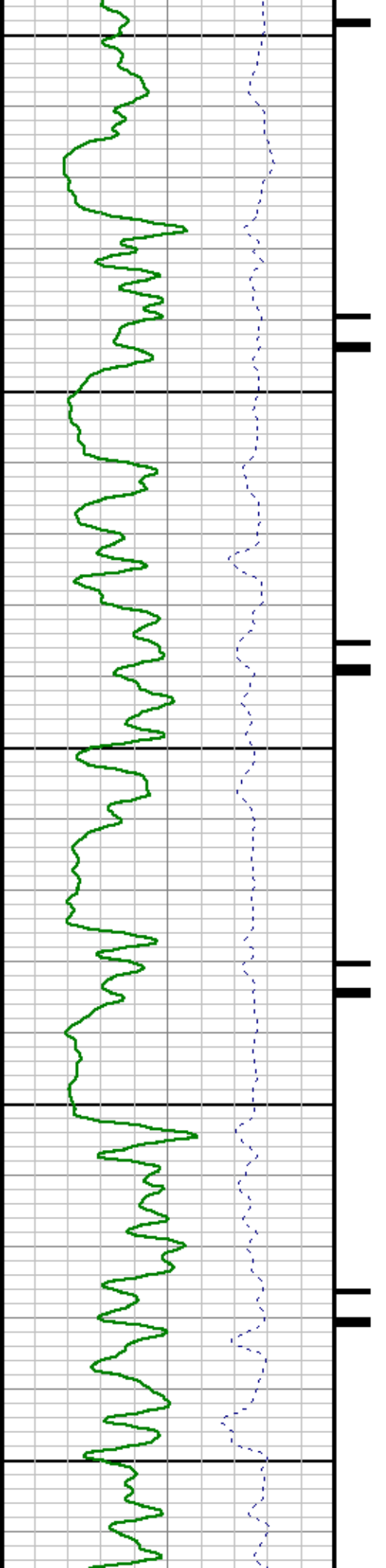


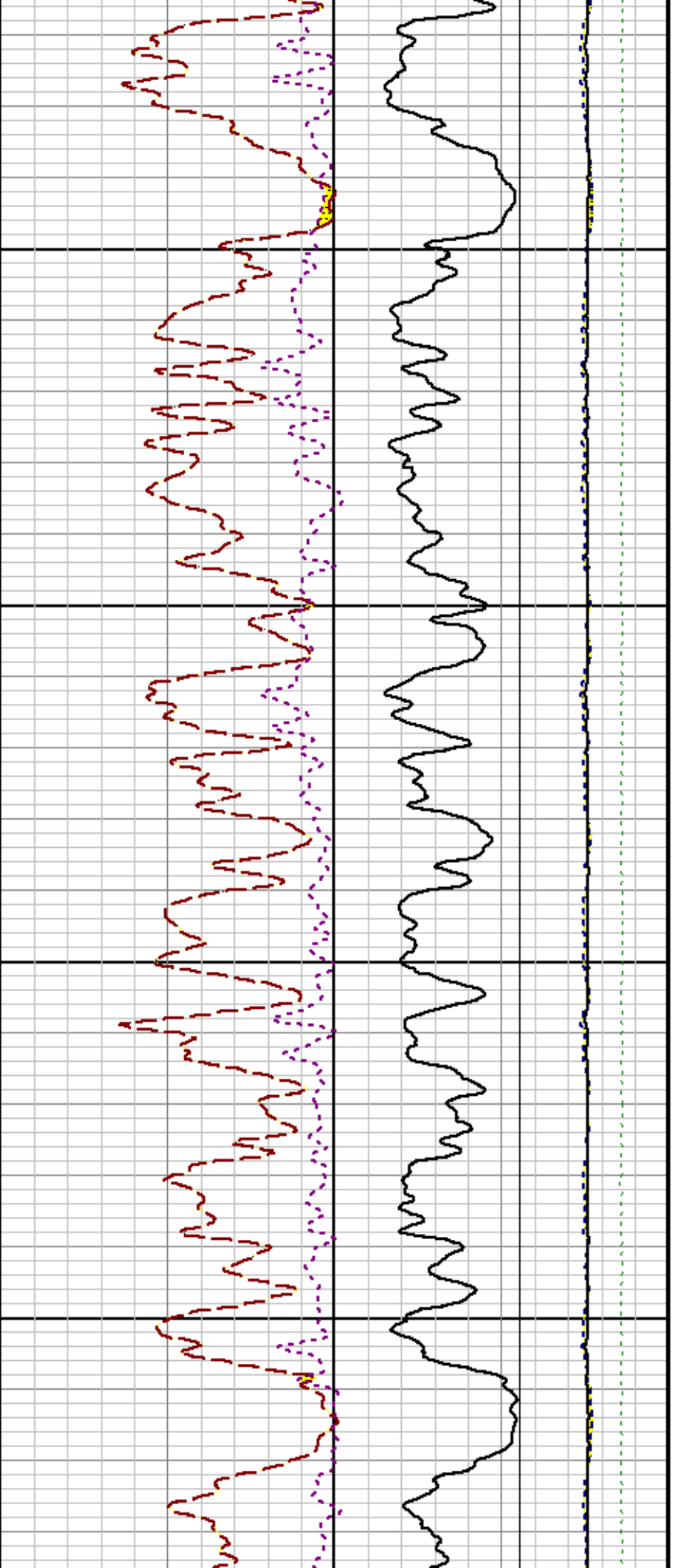


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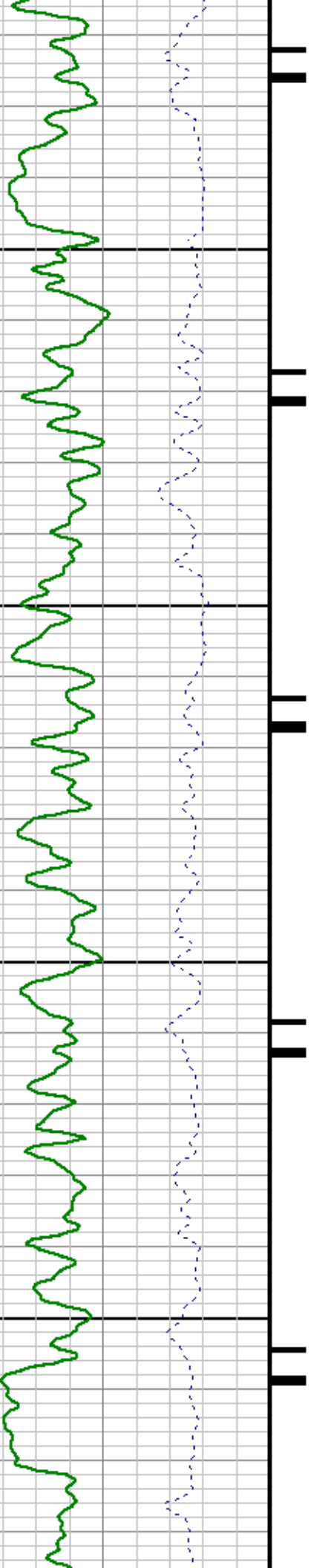
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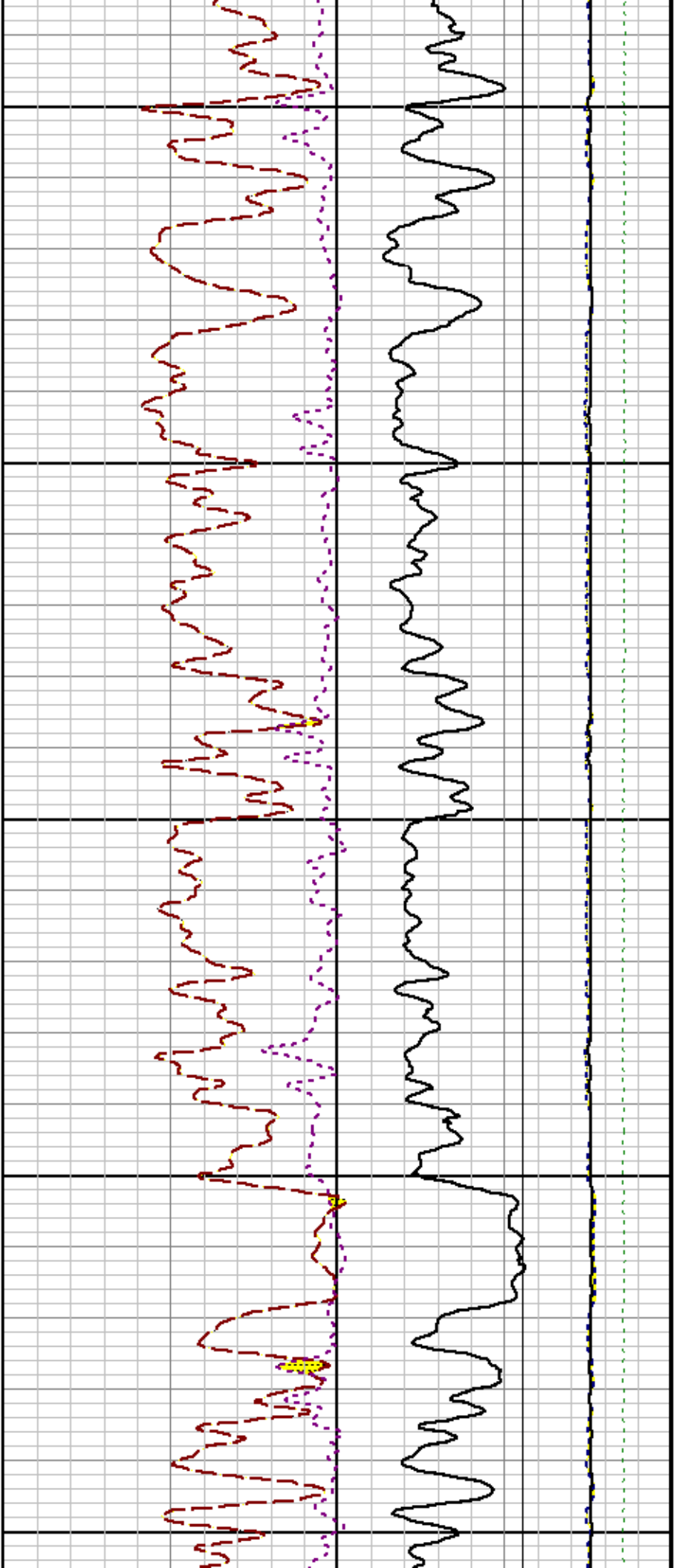




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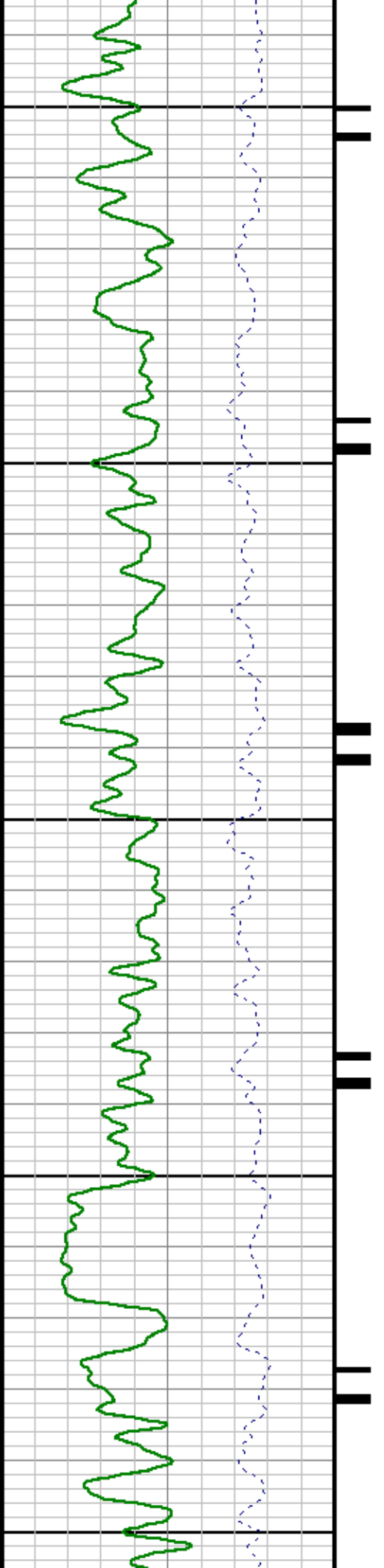
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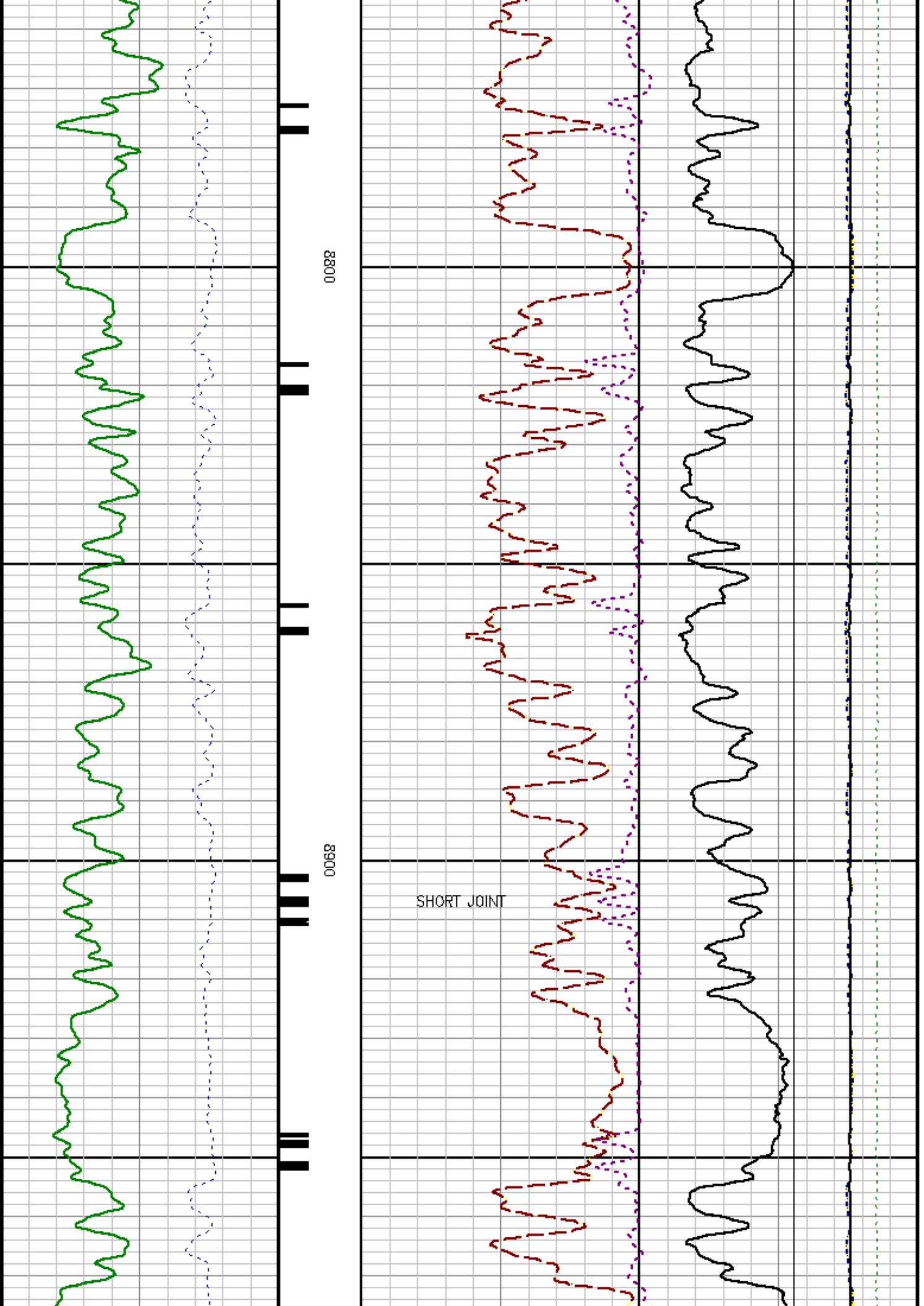


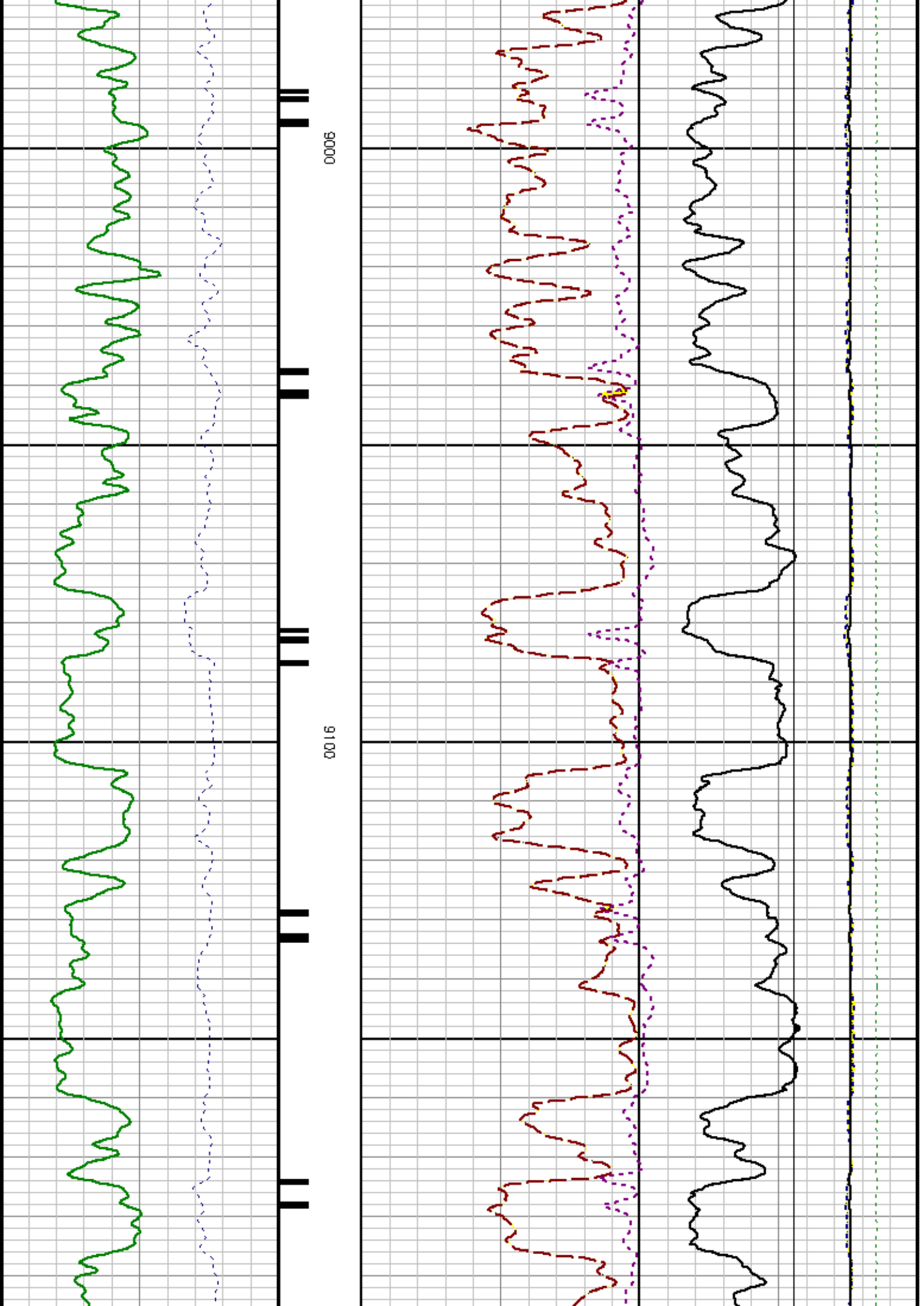


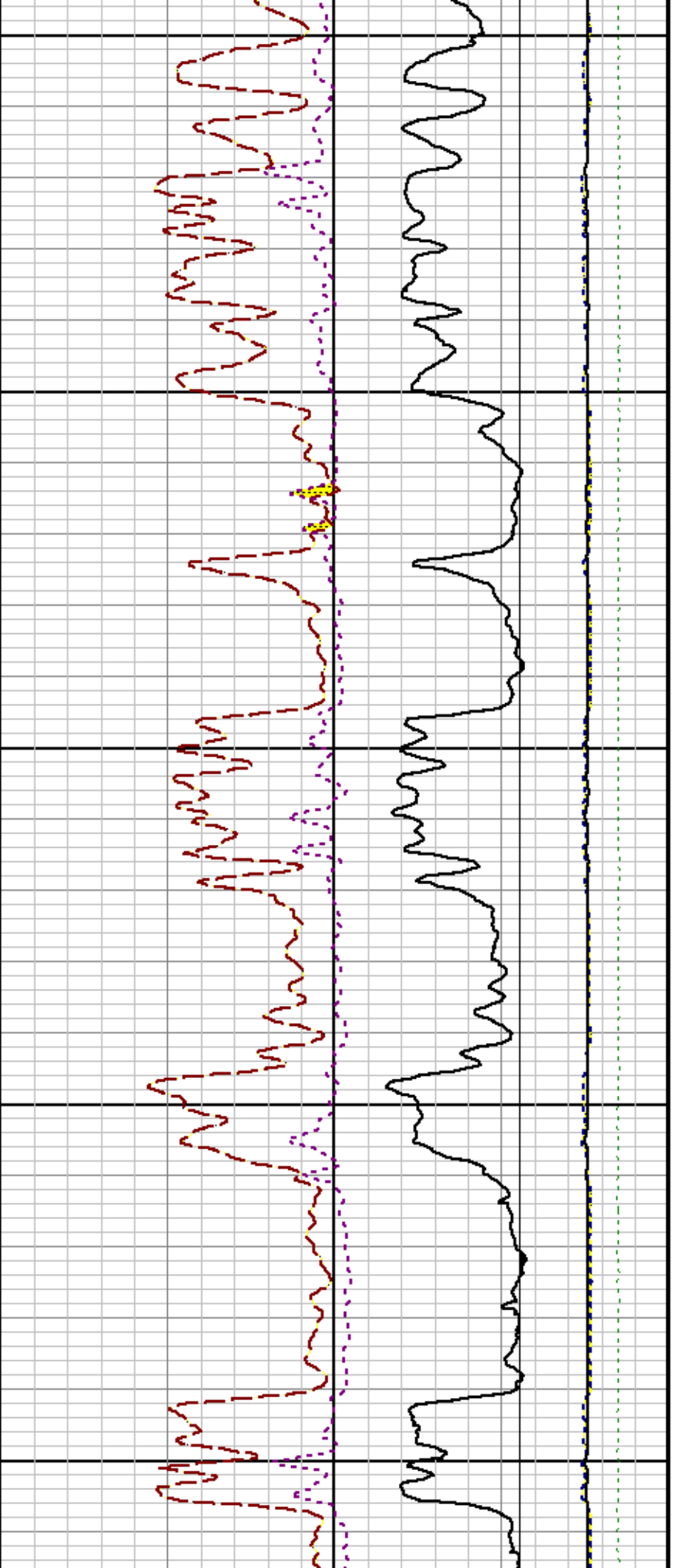
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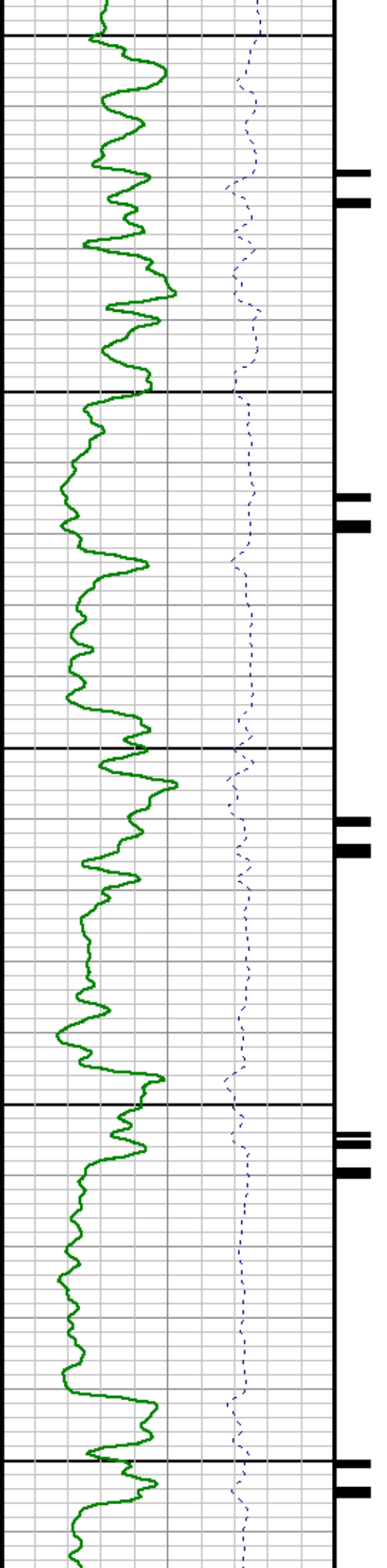


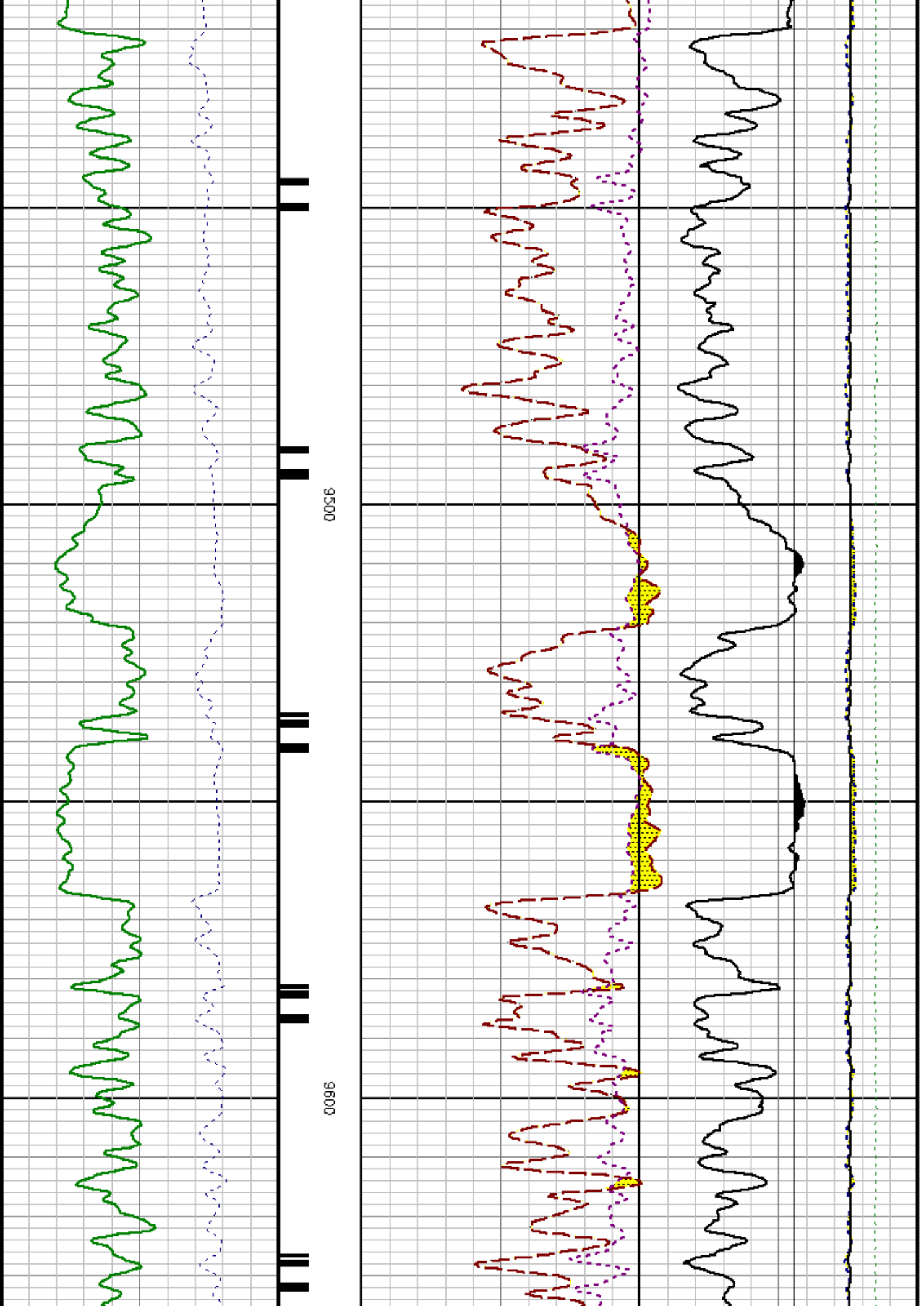


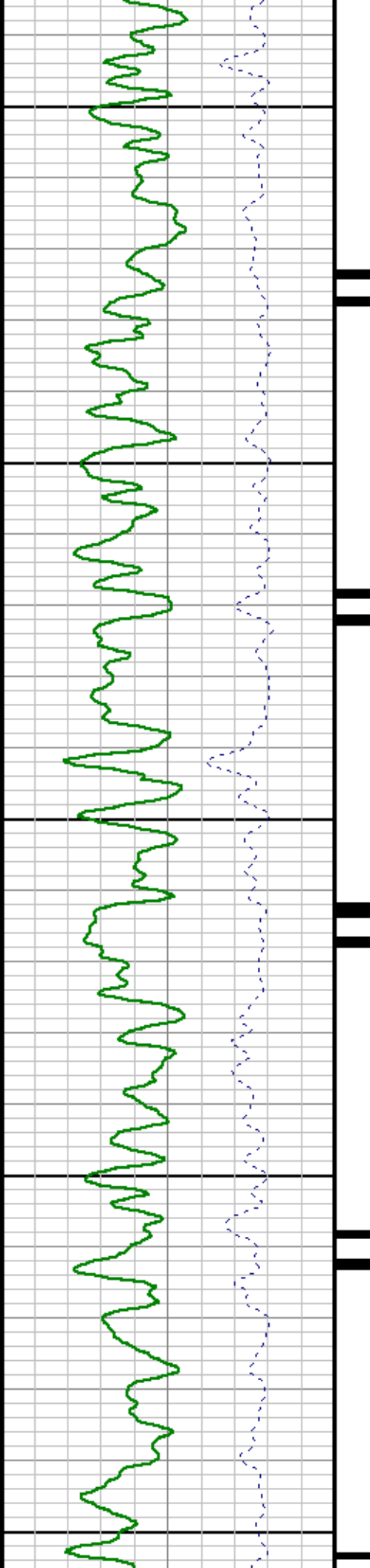
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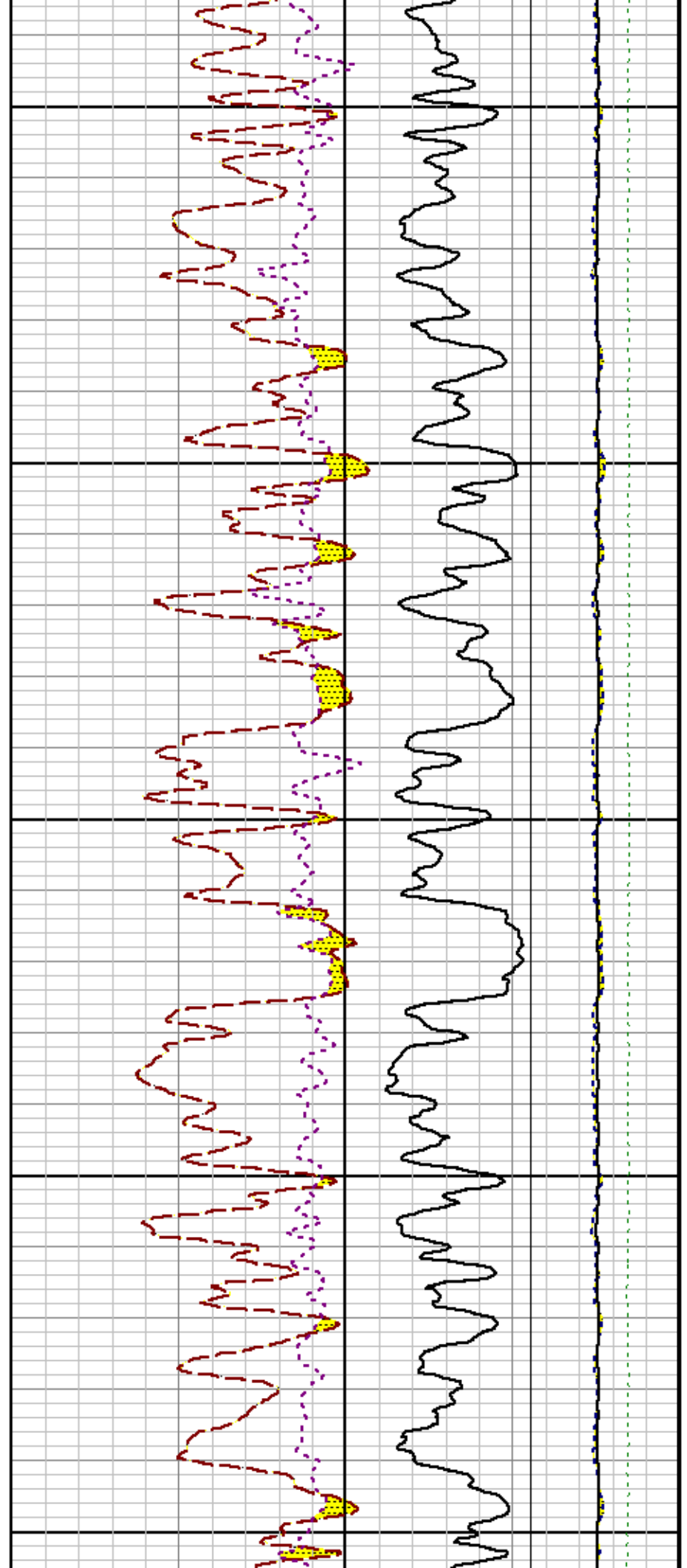


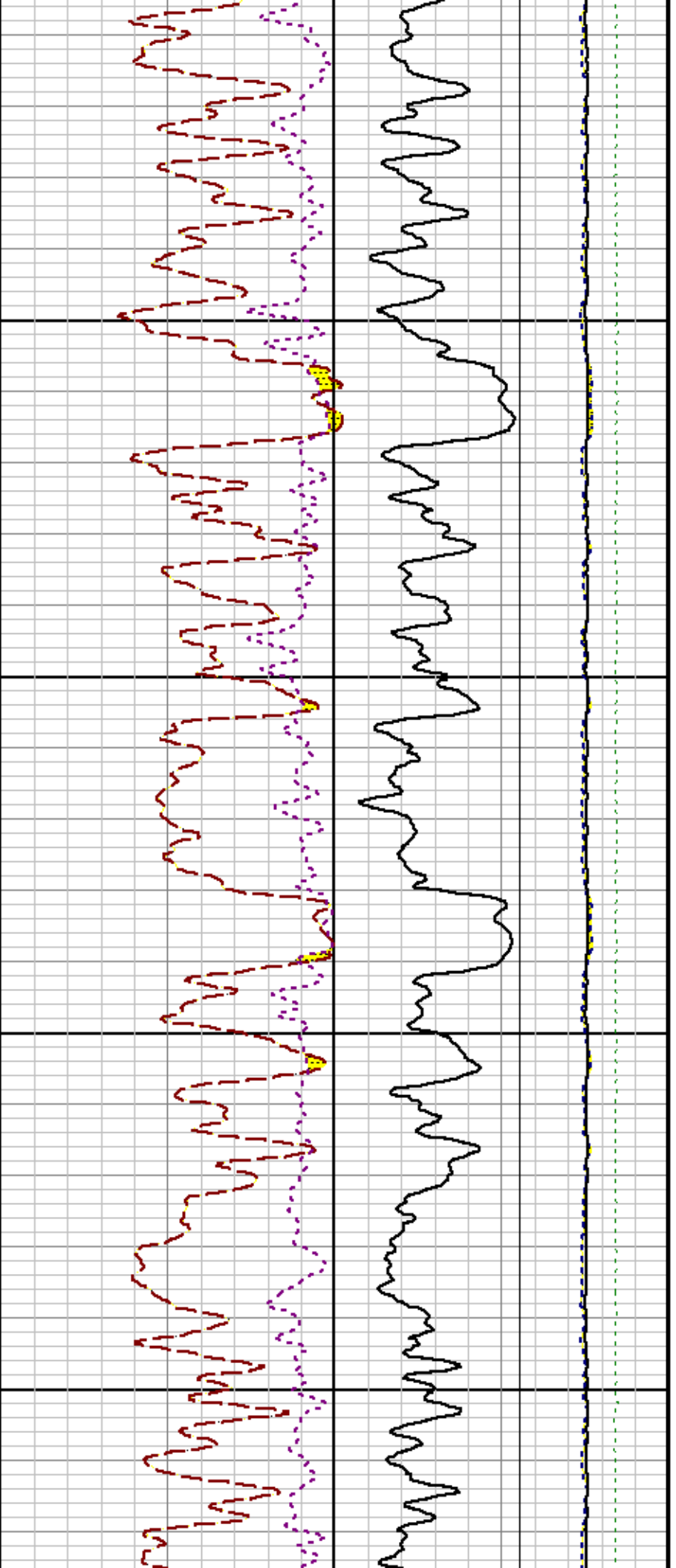




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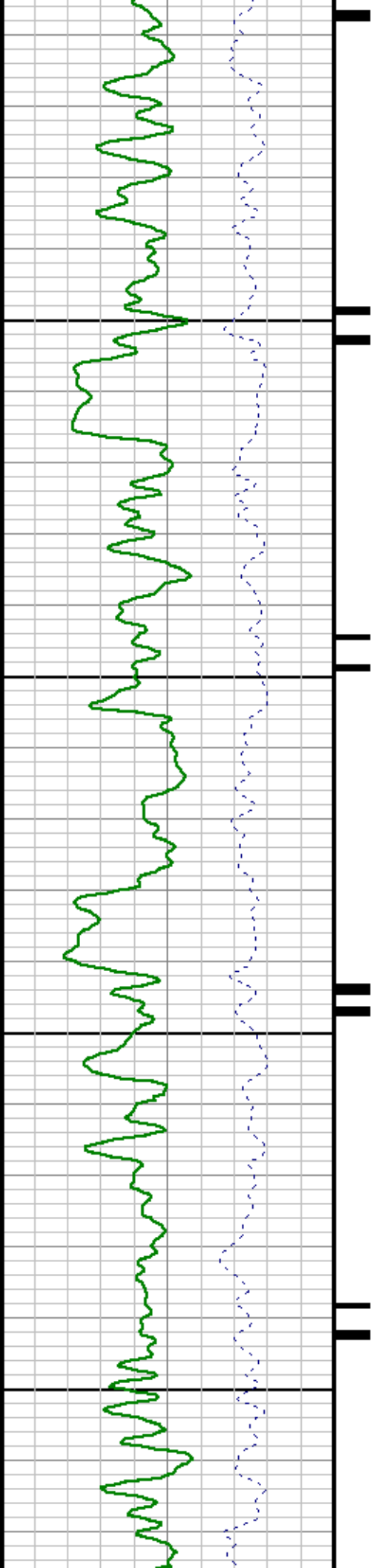
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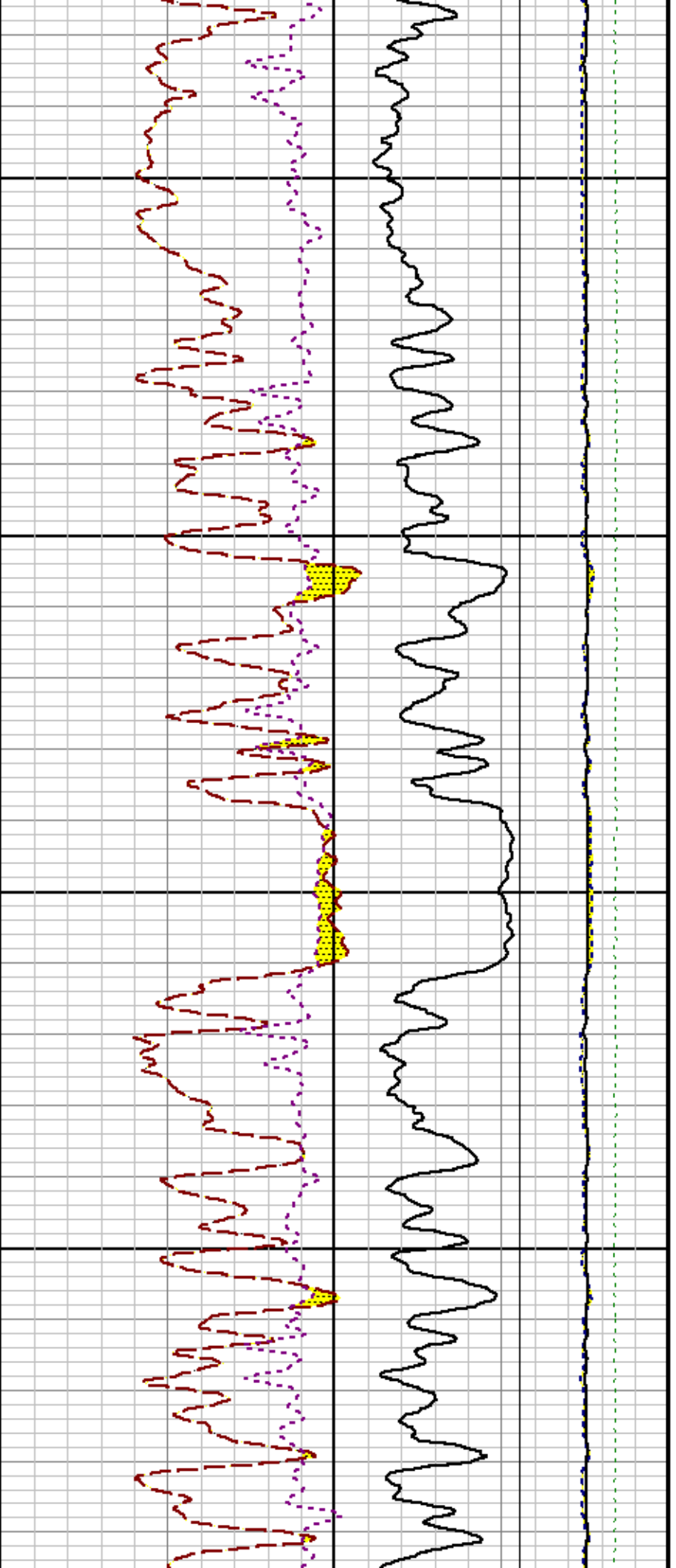




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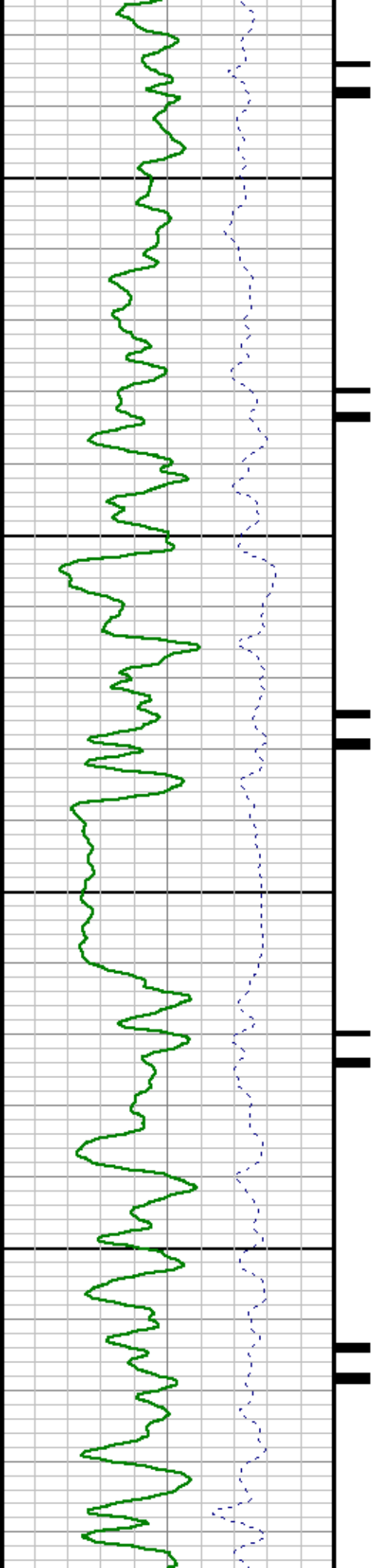
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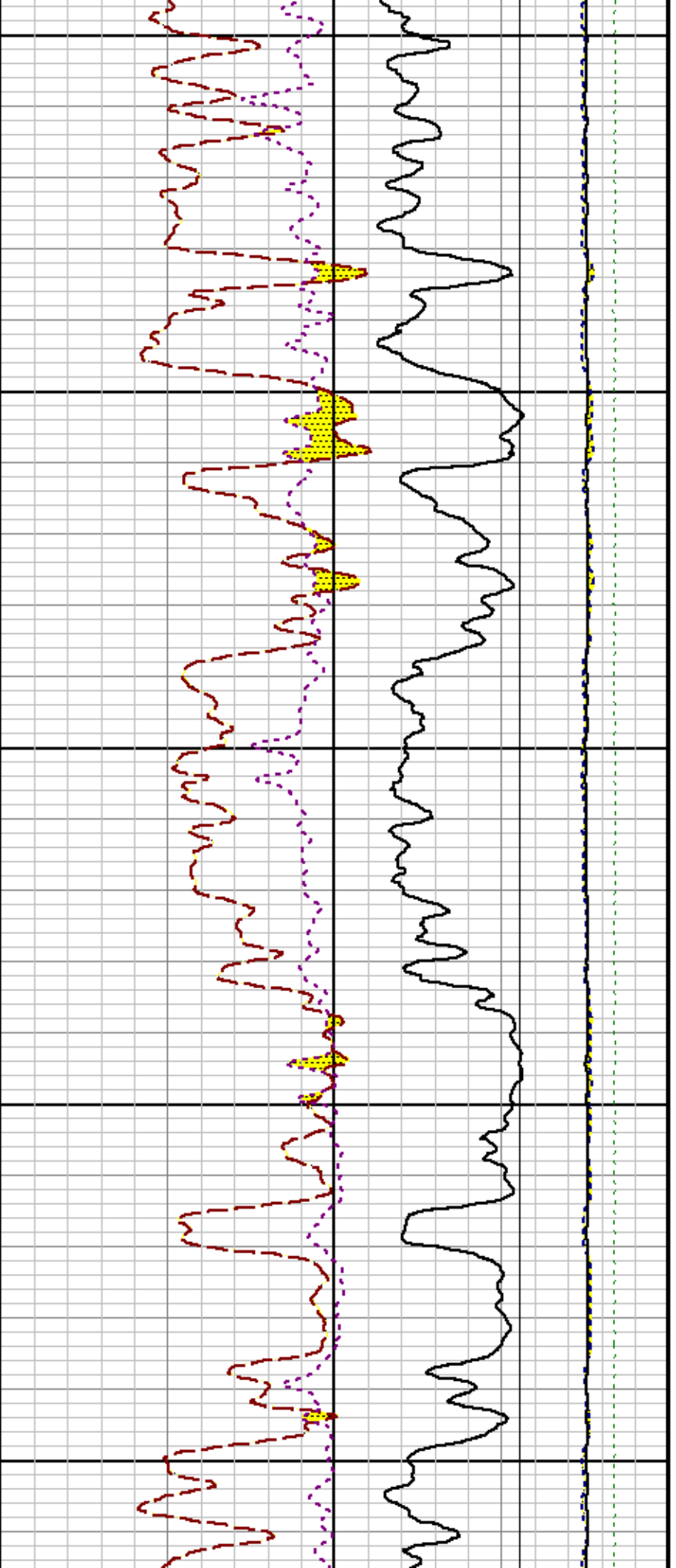




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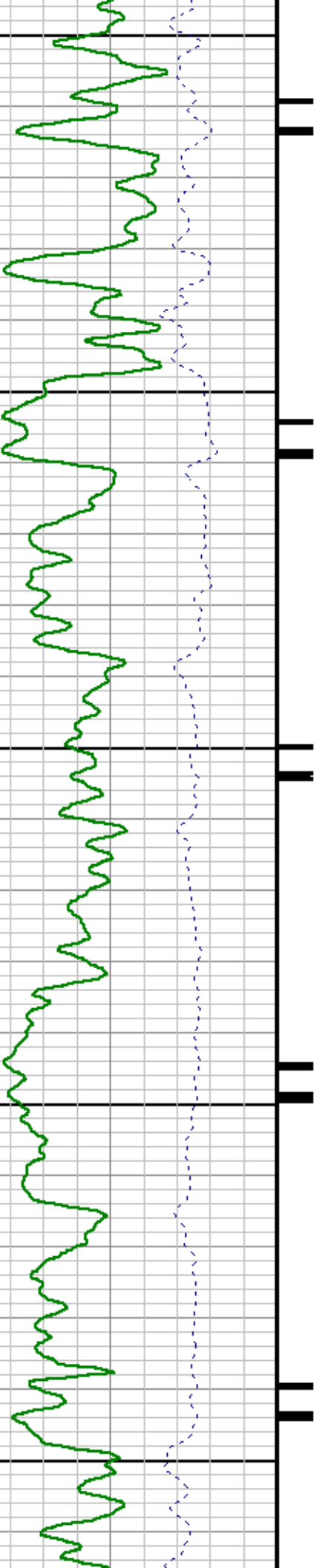


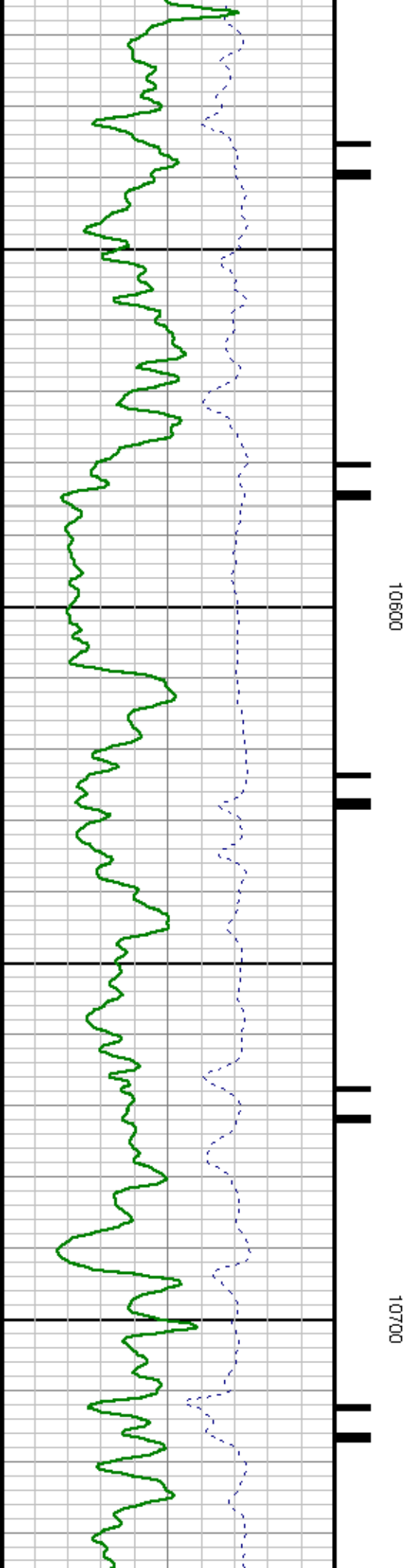
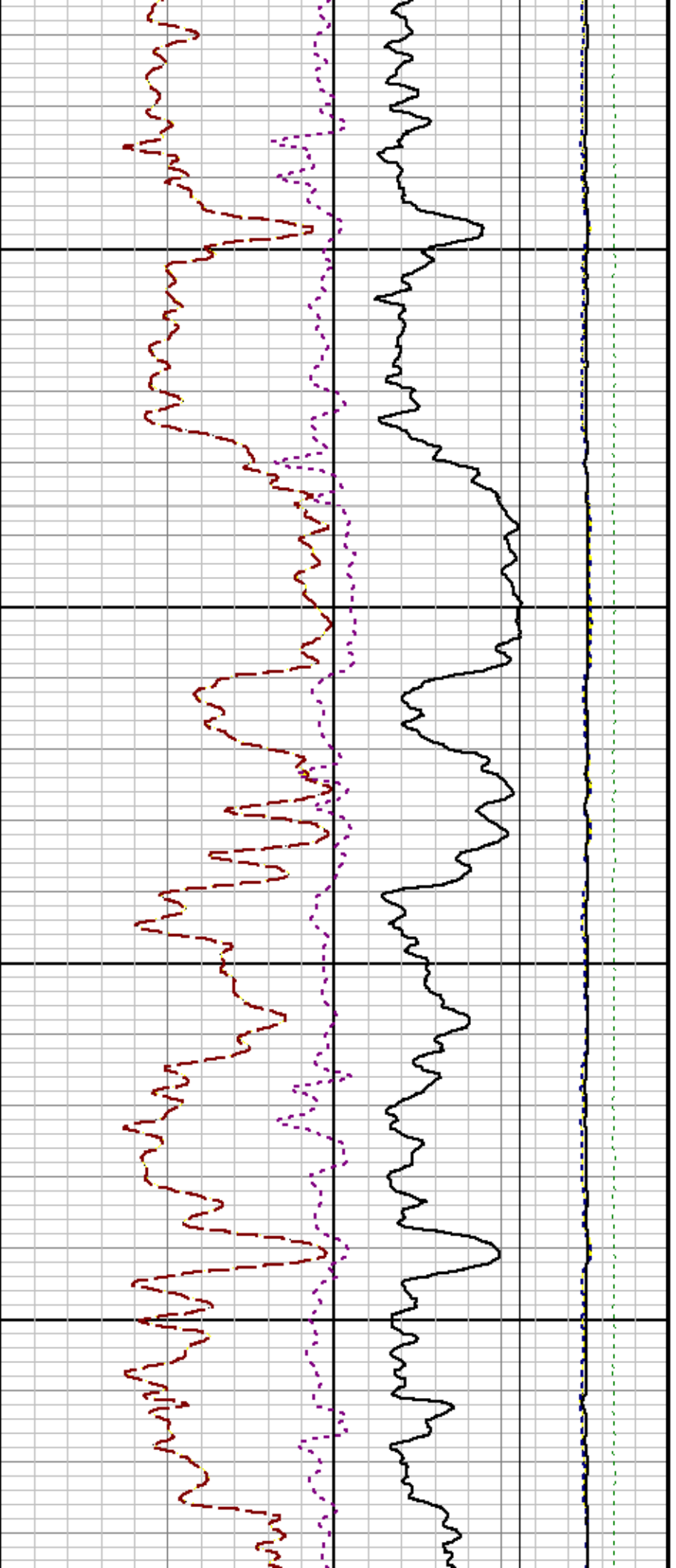


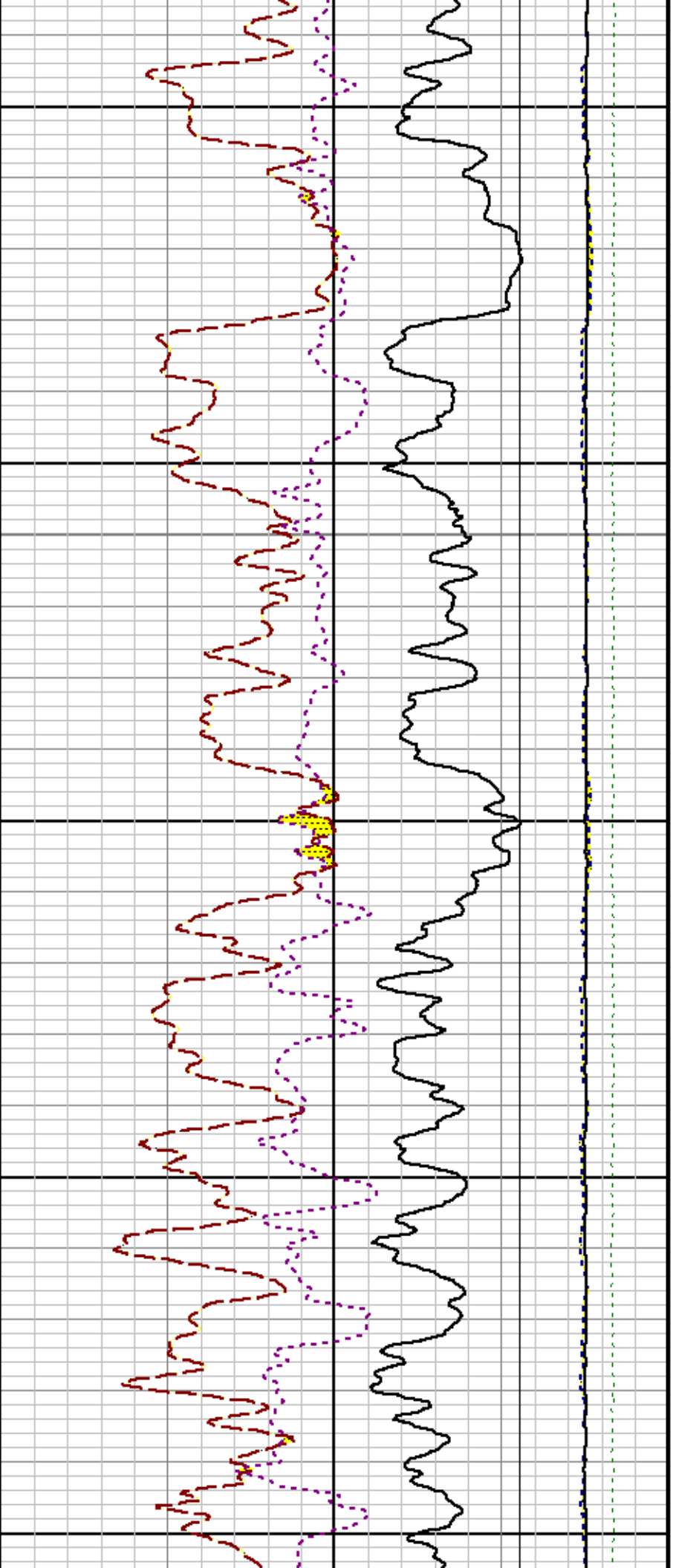
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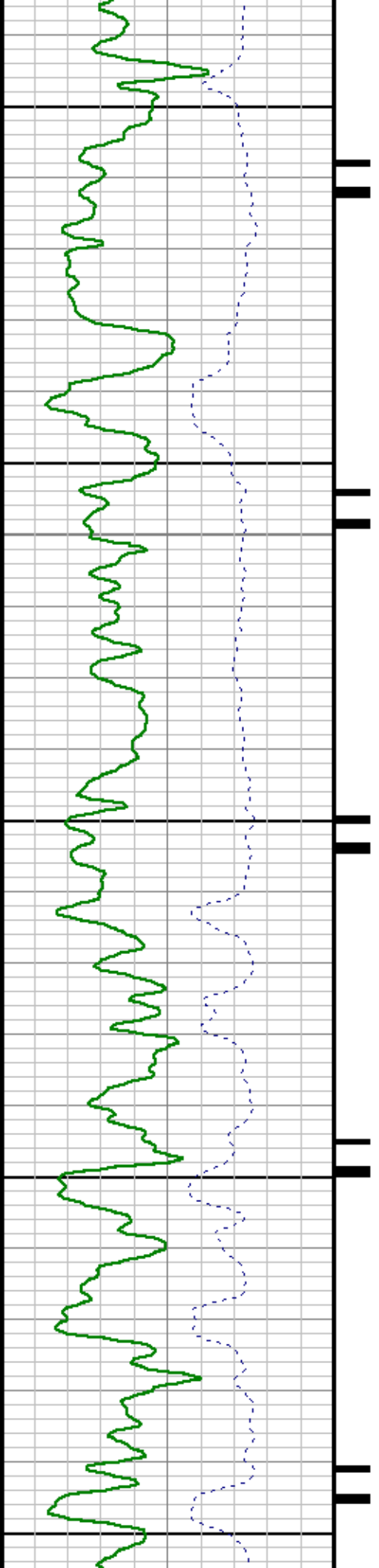


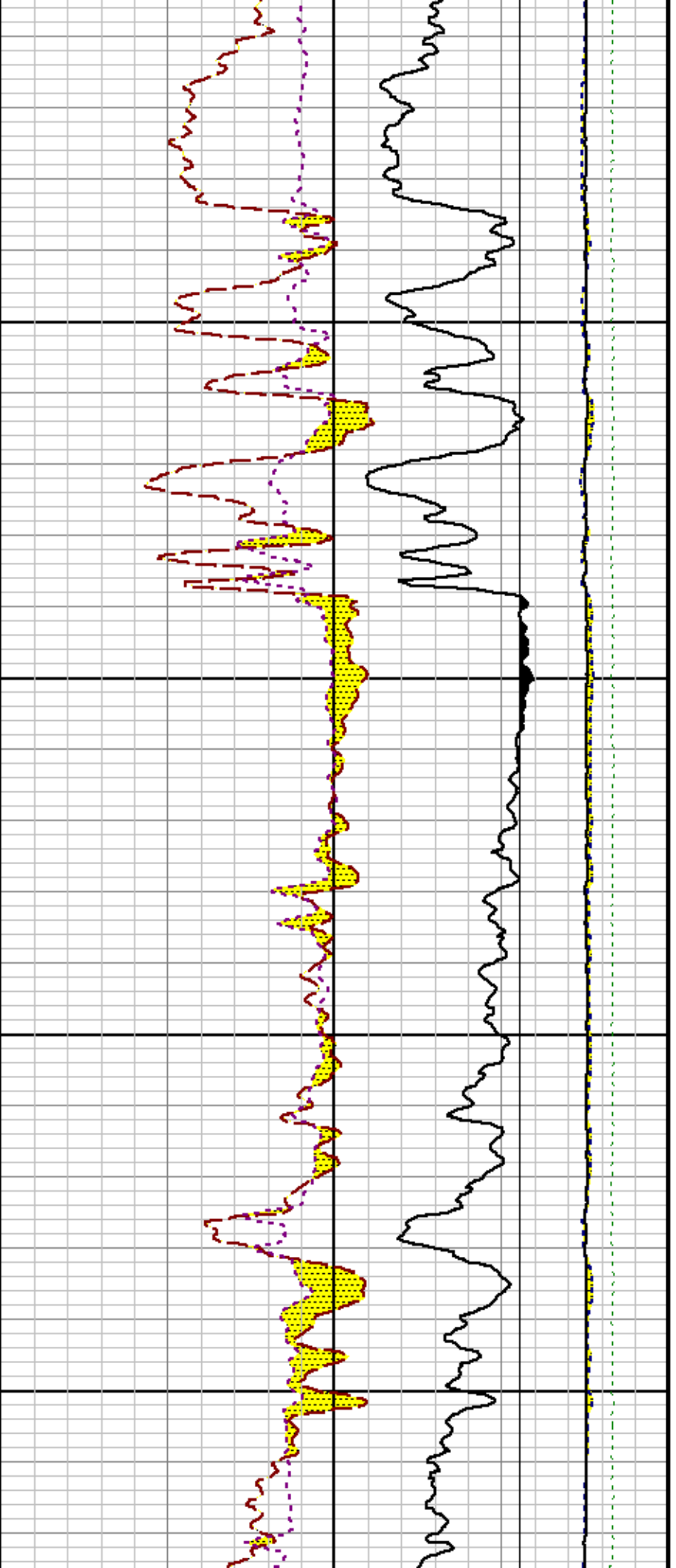




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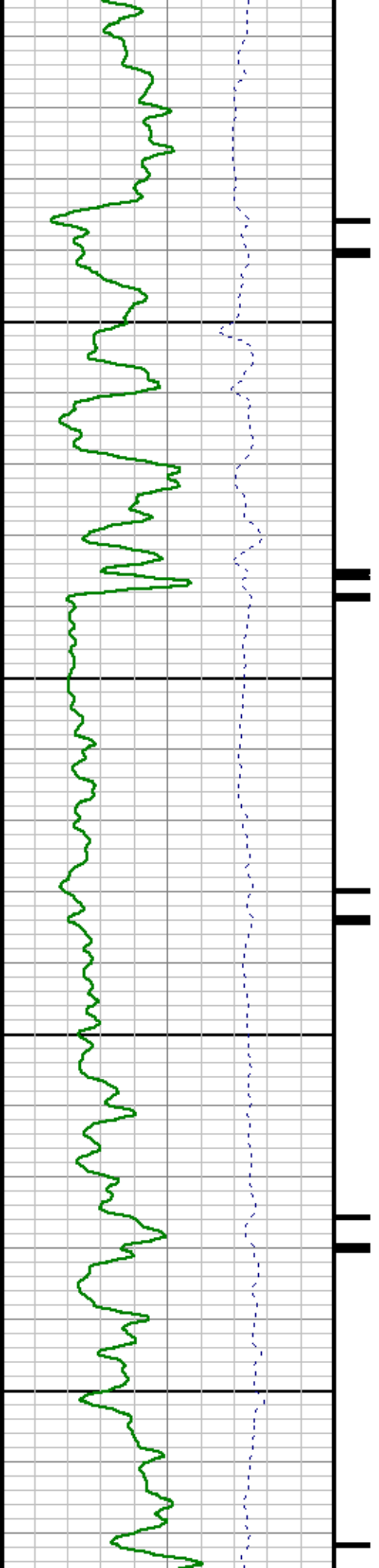
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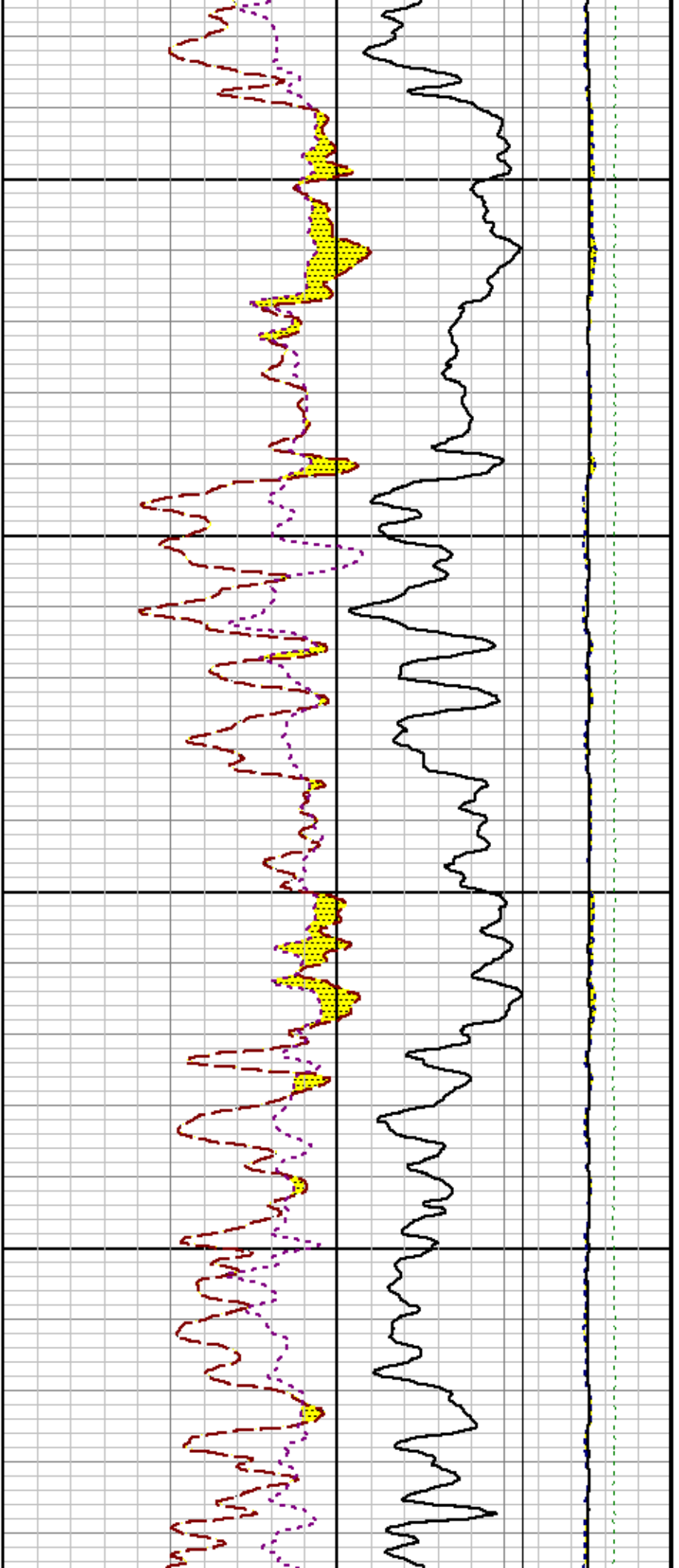




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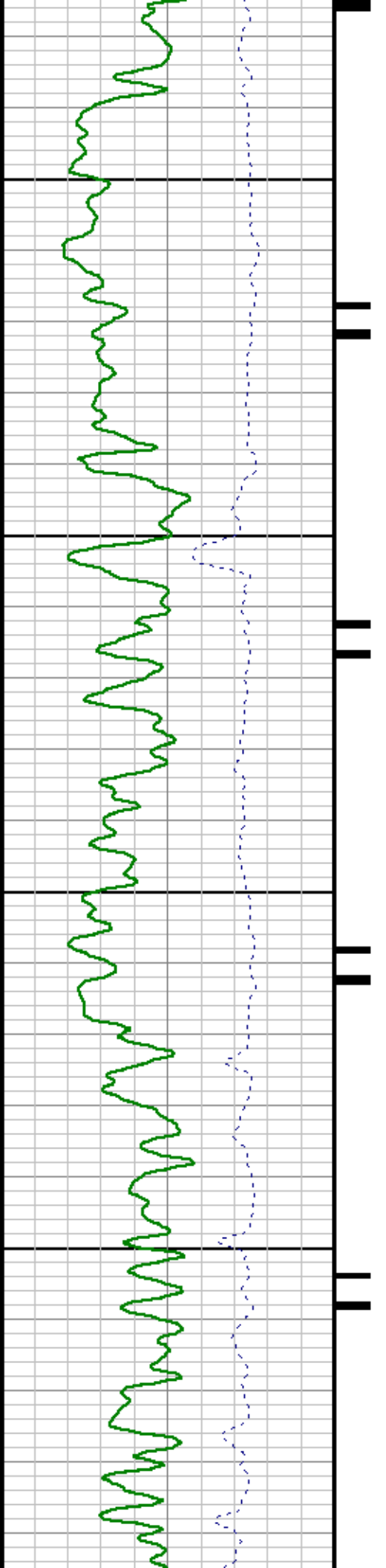
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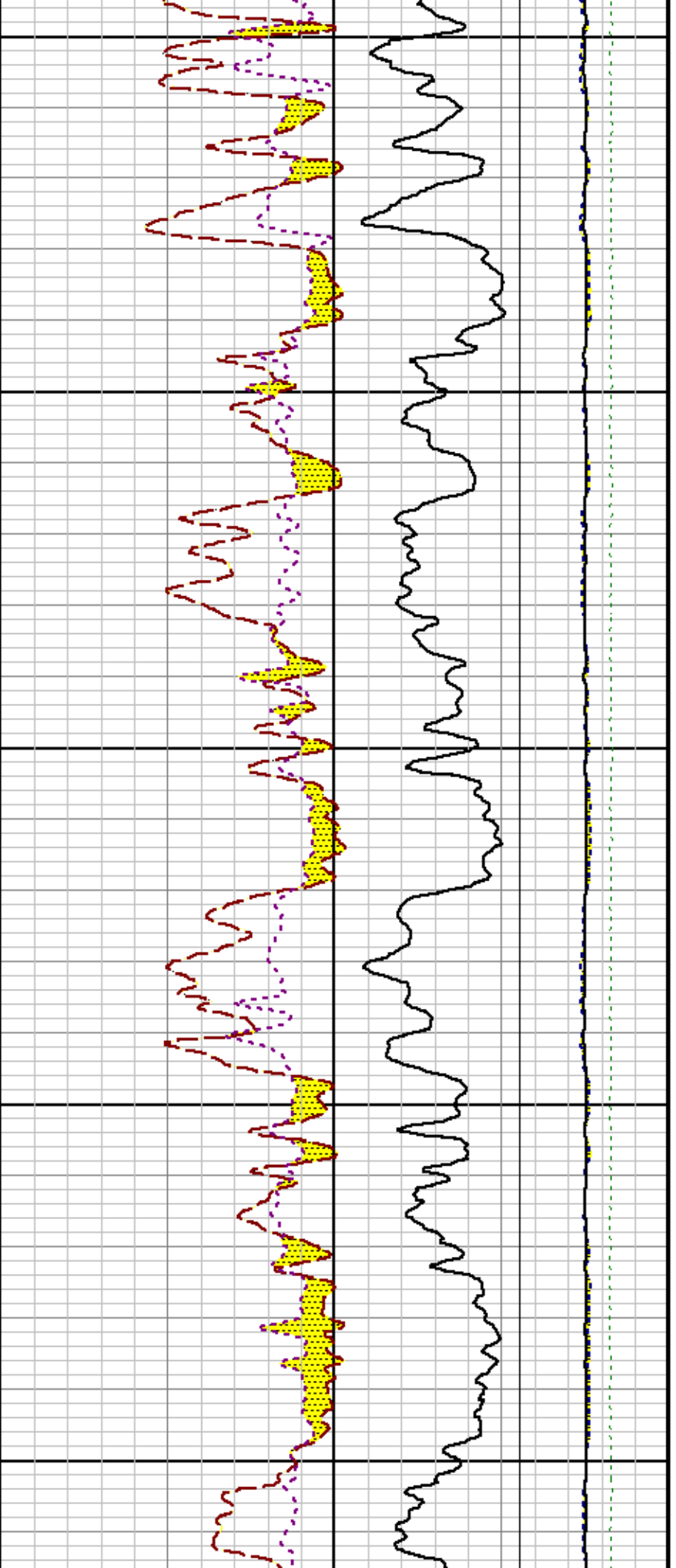




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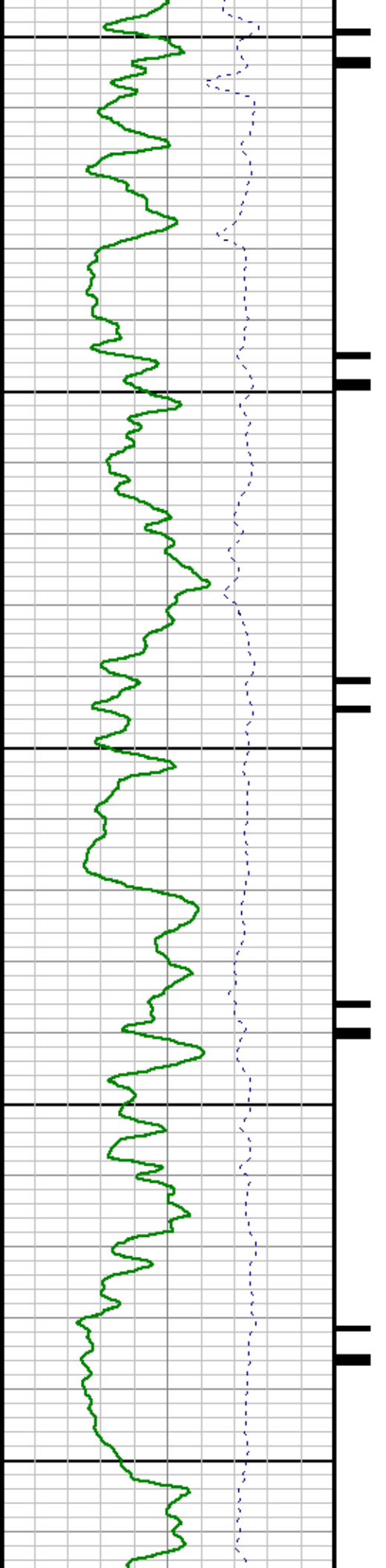


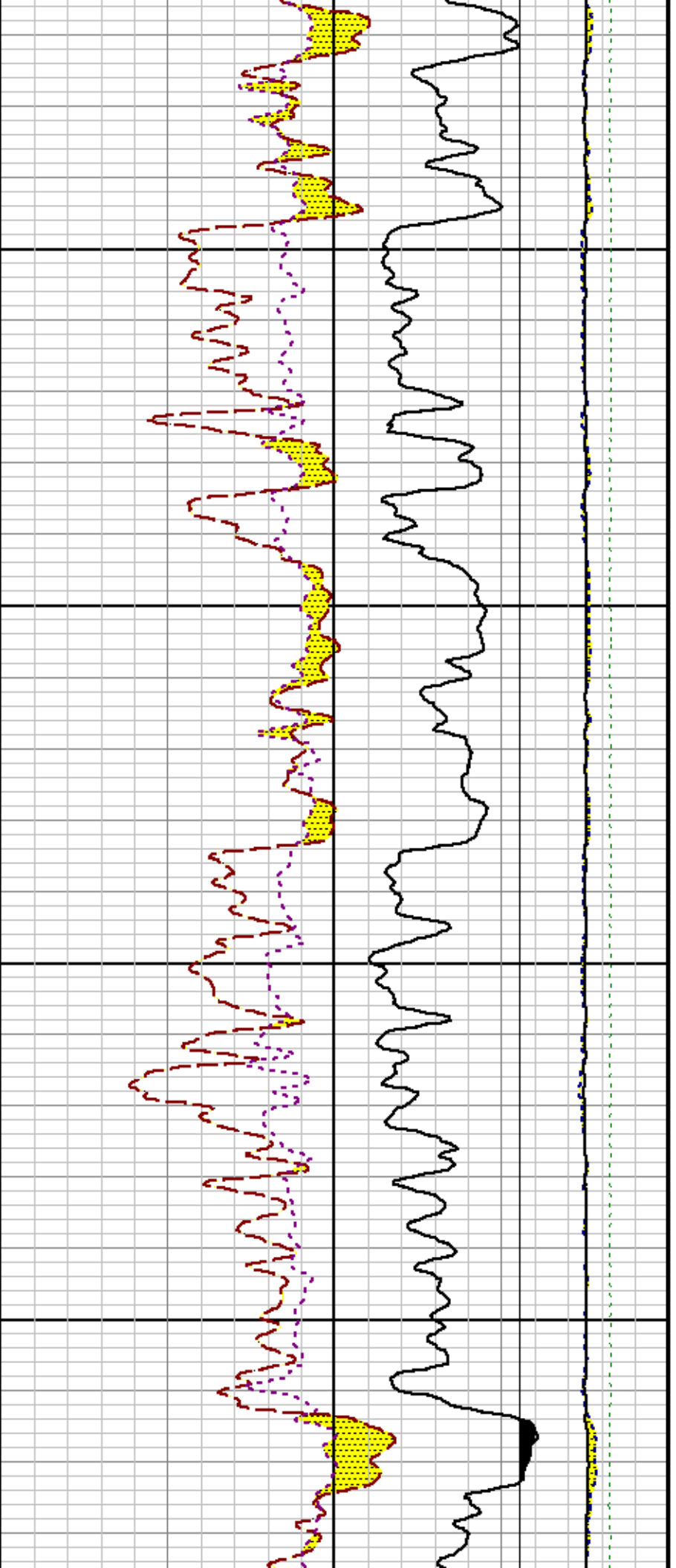


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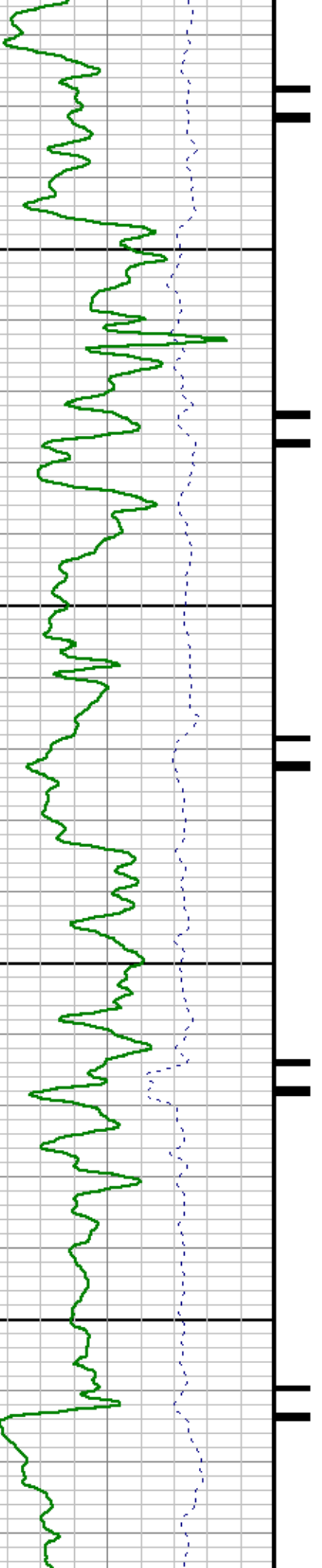
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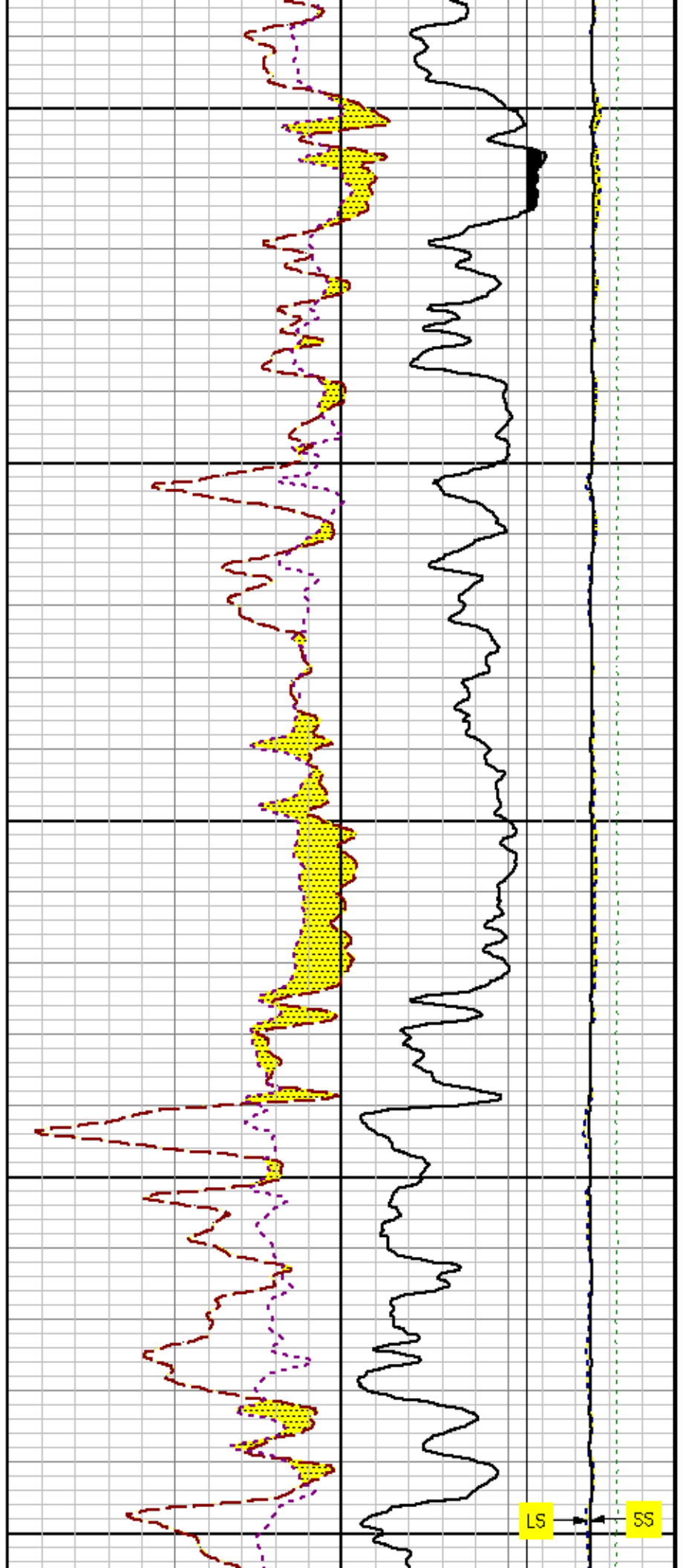




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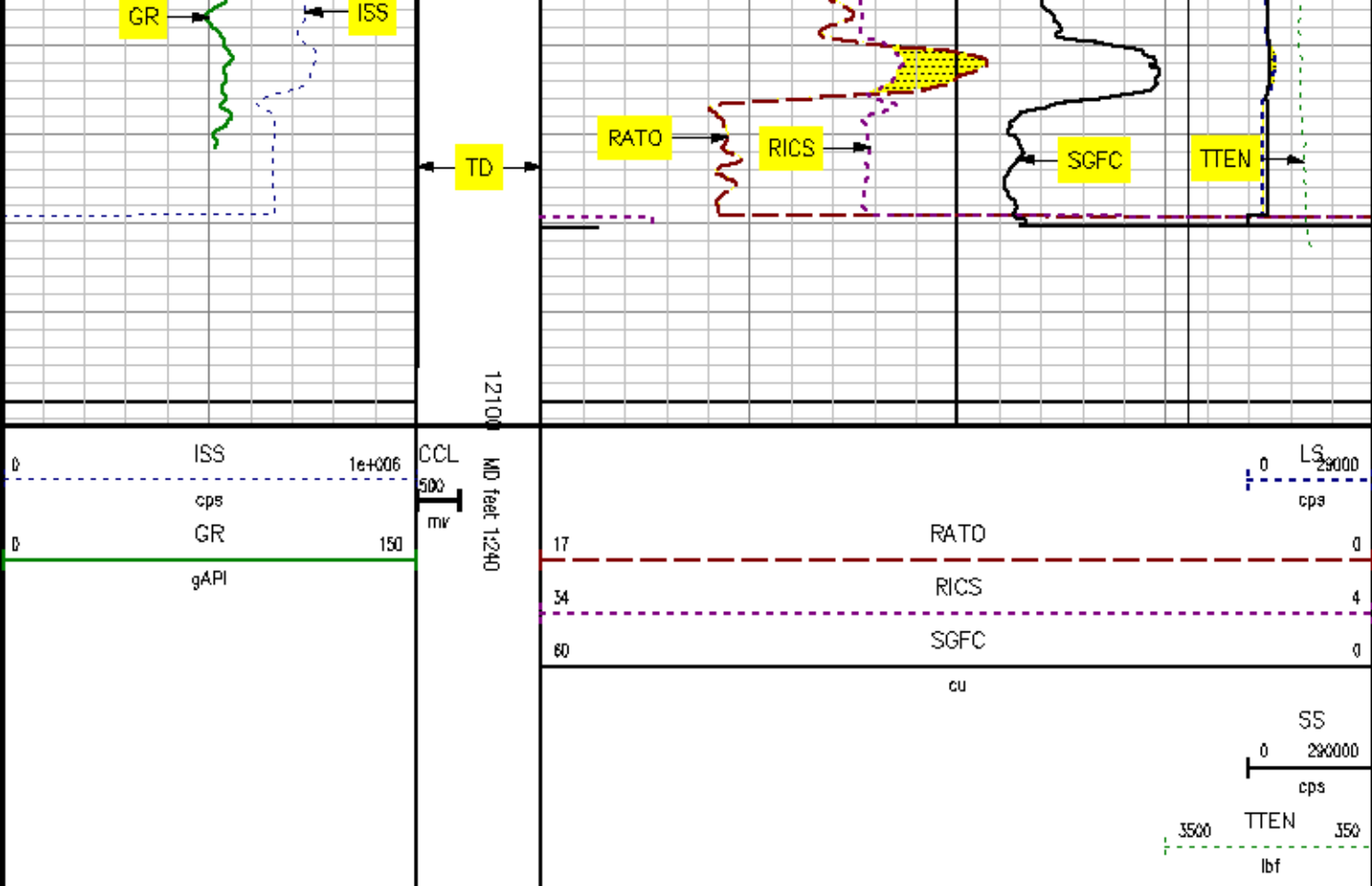
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CCL

LS

SS



REPEAT SECTION

SPL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | TOP | BOTTOM |
|------------------|---------------|----------------|-------|----------|----------|
| PNC Porosity | Borehole | Cased | | 8019.500 | 8550.000 |
| PNC Porosity | Borehole Size | 6.125 | inch | 8019.500 | 8550.000 |
| PNC Porosity | Casing Size | 4.500 | inch | 8019.500 | 8550.000 |
| PNC Porosity | Gas Filled | Non Gas Filled | | 8019.500 | 8550.000 |
| PNC Porosity | Matrix | Sandstone | | 8019.500 | 8550.000 |

DEPTH OFFSETS
(for Acquired Curves)

| SERIES | DEPTH OFFSET | ACQUIRED CURVES | | | | | |
|--------|--------------|-----------------|---------|--------|--------|--------|---------|
| B248EA | -15.470 | FLTM | | | | | |
| B248EA | -13.470 | CCL | CHV | | | | |
| B262XA | -10.189 | GR | | | | | |
| B2B1XA | -0.662 | HVC300 | SEQ3 | AMA3 | AML3 | BKX | CXS |
| | | CPT300 | CPT302 | CPT303 | CPT304 | ET3 | IXS |
| | | MCS3 | MCS300 | QCAL3 | RGN3 | RICX | SDA3 |
| | | SDL3 | SGA3 | SGL3 | STA3 | XS | ASPEC3 |
| | | AMB3 | AMF3 | CHF3 | IXSC | IXSN | RAT023 |
| | | RICXG | RIN13G | RIN23 | RIN23C | SD3D | SG3D |
| | | SGB3 | SGF3 | WDTH3 | CXSR | IXSR | XSR |
| | | RICXR | | | | | |
| B2B1XA | -0.250 | HVC200 | SEQ2 | AMA2 | AMB2 | AMF2 | AML2 |
| | | BKL | CHF2 | CLS | CPT200 | CPT202 | CPT203 |
| | | CPT204 | ET2 | ILS | LS | MCS2 | MCS200 |
| | | QCAL2 | RGN2 | RICL | RONE23 | RTW023 | SDA2 |
| | | SDL2 | SGA2 | SGB2 | SGF2 | SGK2 | SGL2 |
| | | STA2 | ASPEC2 | ILSC | ILSN | WDTH2 | RICLC |
| | | CLSR | ILSR | LSR | RICLR | | |
| B2B1XA | 0.000 | CPRS | HVC100 | WV | SEQ | SEQ1 | AMA1 |
| | | AMB1 | AME1 | AMF1 | AML1 | BKS | CHF1 |
| | | CSS | CORB | CORF | CPT100 | CPT102 | CPT102A |
| | | CPT102B | CPT102C | CPT103 | CPT104 | CPT106 | ET1 |
| | | G1 | G2 | GE1S | GE2S | ISS | MCS1 |
| | | MCS100 | QA1 | QCAL1 | QM1 | RATO | RAT013 |
| | | RBOR | RGN1 | RICS | RIN | RONE | RPCR |
| | | RTW0 | RIN13 | RONE13 | RTW013 | SALB | SC1 |
| | | SDA1 | SDL1 | SGA1 | GB1 | SGBC | SGE1 |
| | | SGF1 | SGFC | SGK1 | SGL1 | SS | SS2 |
| | | STA1 | PD1S | PD2S | PD3S | MD1S | MD2S |
| | | WD3S | DG1S | DG2S | DG3S | PD1M | PD2M |
| | | PD3M | MD1M | MD2M | MD3M | DG1M | DG2M |
| | | DG3M | WVS | WA | WVM | FILV | IAM |
| | | TA | PVM | PVS | IAS | SSTAT | QPD1 |
| | | QPD2 | QPD3 | QMD1 | QMD2 | QMD3 | QDG1 |
| | | QDG2 | QDG3 | QMA | QTA | QFILV | QMV |
| | | QPV | QIA | DERR | DCNT | QPK1 | QSA1 |
| | | PKS1 | ASPEC1 | HOC | FE2XC | ISSC | RINC |
| | | ISSN | RDEN | WDTH1 | RICSC | CSSR | G1R |
| | | G2R | ISSR | SSR | SS2R | RAT0R | RAT013R |
| | | RBORR | RICSR | RINR | RIN13R | RONER | RPCRR |
| | | RTWOR | | | | | |
| SYSTEM | 0.000 | TEN | TEN | | | | |

Created by : MIXED

Plotted by : PlotMgr, v5.4.504

Company : EXXONMOBIL PRODUCTION COMPANY

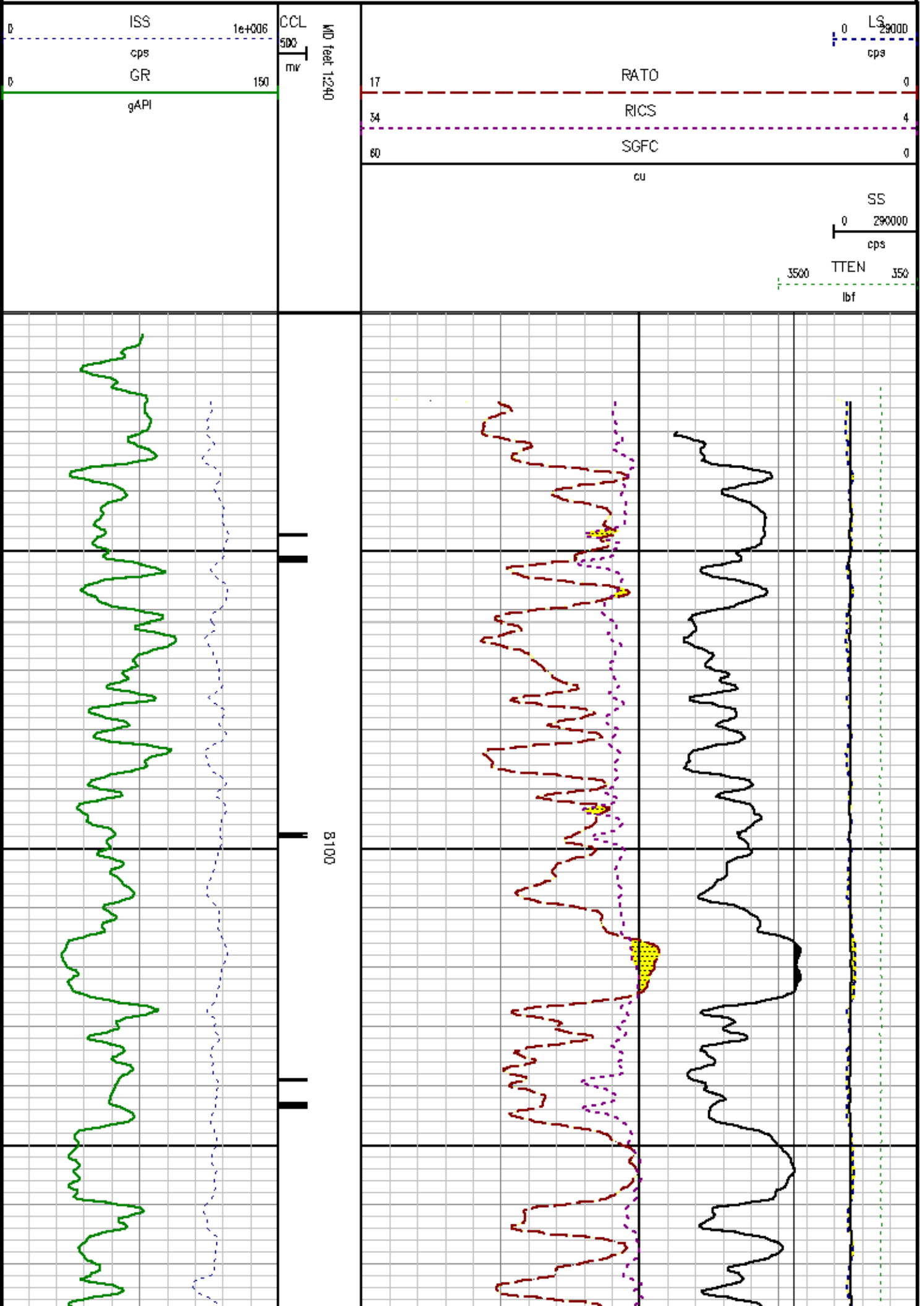
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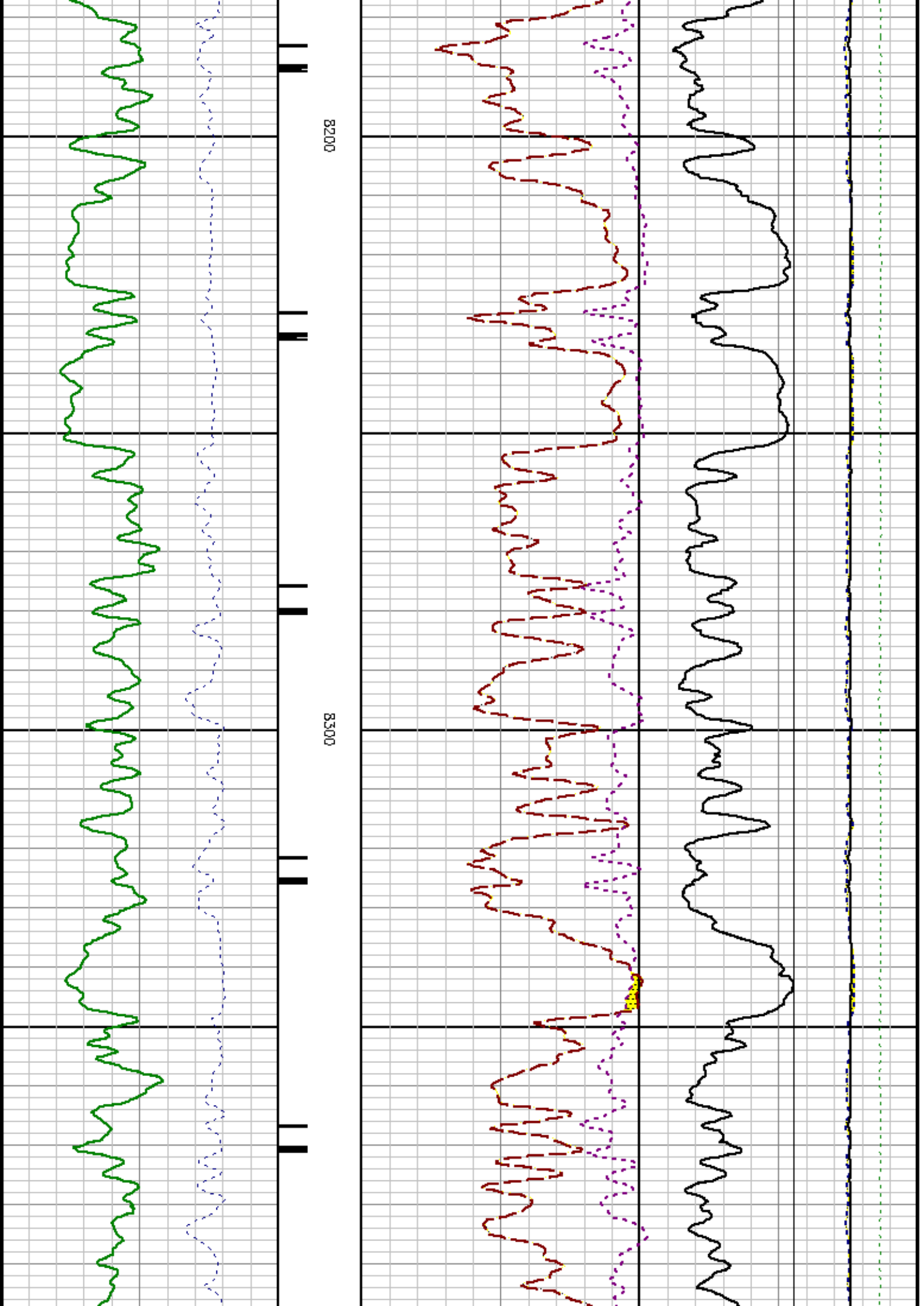
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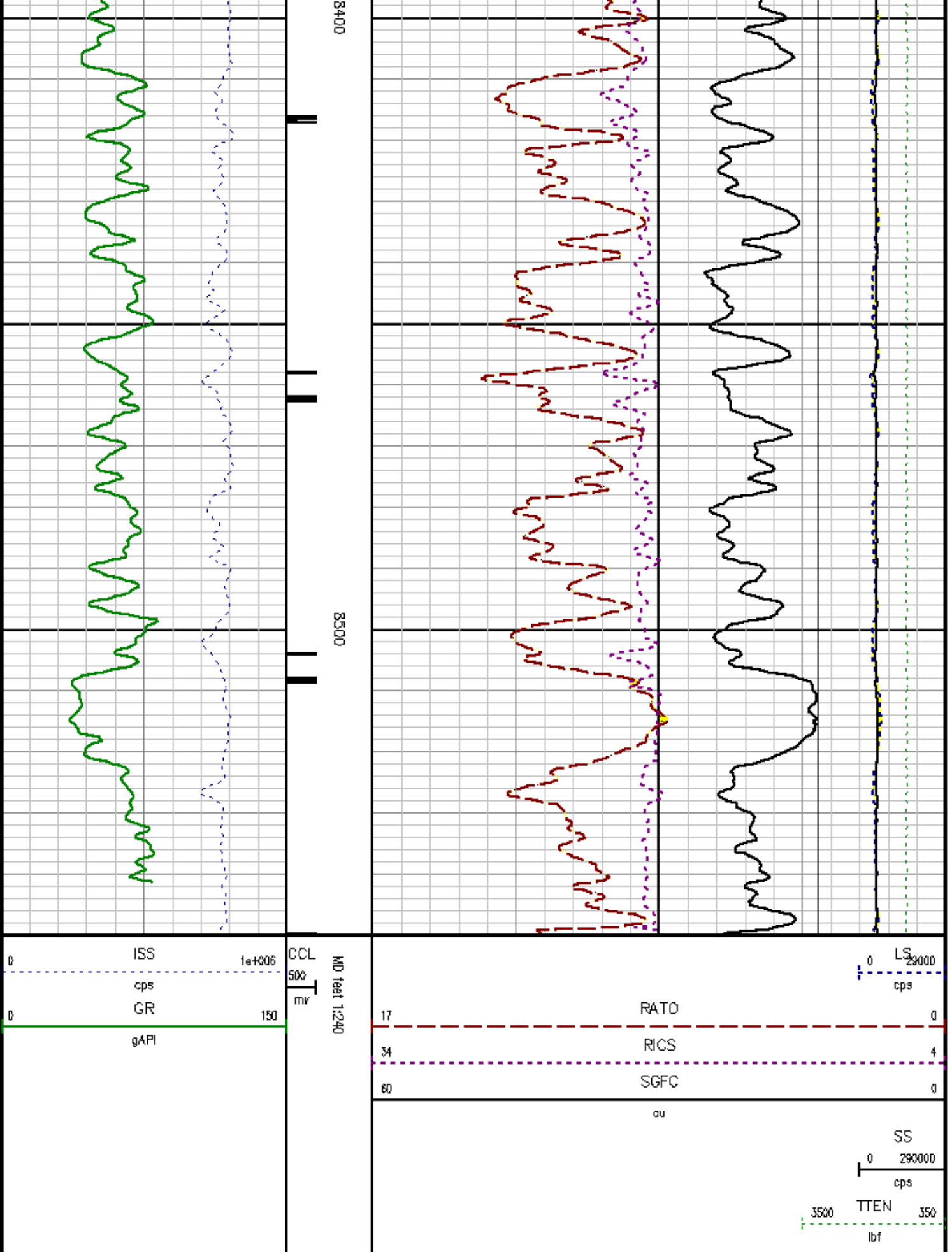
Mode : PlotMgr 5.4.504

Interval : 8010.00 - 8650.00 feet UP

Created : 9/9/2010 3:51:20 AM







CALIBRATION SUMMARY

GAMMA RAY

Calibration File: C:\case\calver\GR\270AU.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Aug 22 10:58:13 2010 TOOL SERIES: 8262XA ASSET: 270 SEQ: AU

| Calibrator # | Background [cps] | Calibrator On [cps] | Multiplicative | Background [api] | Calibrator On [api] | Differential [api] |
|--------------|---------------------|------------------------|----------------|---------------------|------------------------|-----------------------|
| S2K DA612 | 119.58 | 452.58 | 0.541 | 64.64 | 244.64 | 180.00 |

Verification File: C:\case\calver\GR\270AU.VP

PRIMARY VERIFICATION

DATE/TIME PERFORMED: Sun Aug 22 11:02:59 2010 TOOL SERIES: 8262XA ASSET: 270 SEQ: AU

| Calibrator # | Background [cps] | Calibrator On [cps] | Multiplicative | Background [api] | Calibrator On [api] | Differential [api] |
|--------------|---------------------|------------------------|----------------|---------------------|------------------------|-----------------------|
| S2K DA612 | 119.36 | 456.04 | 0.541 | 64.52 | 246.51 | 181.99 |

PNC #2

Calibration File: C:\case\calver\PNC\383S1.cal

PNC 3D CALIBRATION SUMMARY

DATE/TIME PERFORMED: Tue Aug 31 13:17:29 2010 TOOL SERIES: 8281XA ASSET: 383 SEQ: S1

Calibrator #

SHOP SHOP

Source #

8281AA 10160599



| | ISS | Mtr Vits (V) | SS Gain | LS Gain | XLS Gain | EA Temp (degF) | Sync Delay (usec) | RCAL |
|--------------|---------|-----------------|---------|---------|----------|-------------------|----------------------|--------|
| Raw Data | 783893 | 124.00 | 2185.00 | 2258.00 | 2210.00 | 115.94 | 15.00 | 1.0316 |
| Interpolated | 1300000 | 146.62 | 2204.66 | 2253.50 | 2211.05 | | | |

| | ISS | BKS | BKL | BKX | SGA1 | SDA1 | SGA2 | SDA2 |
|----------|--------|---------|---------|--------|-------------|-----------|-------------|-----------|
| Raw Data | 783893 | 7768.96 | 1244.84 | 197.93 | 25.78 | 0.13 | 24.24 | 0.26 |
| | | | | | 25.35 26.15 | 0.00 0.20 | 23.60 24.80 | 0.00 0.40 |

ISS ILS IXS SS S52 LS GSS GLS

Total Length: 30.84'
Total Weight: Not Available
Max Diameter: 0' 1.70"

0.00'

| | | |
|--|--|---|
|  Baker Atlas  | Company <u>EXXONMOBIL PRODUCTION COMPANY</u> | File No: |
| | Well <u>FRU 197-28A6</u> | |
| | Field <u>FREEDOM UNIT</u> | API No: |
| | County <u>RIO BLANCO</u> State <u>COLORADO</u> | <u>05103116340000</u> |
| | Location: 2372' FSL & 235' FWL | Elevations KB 6109 ft DF 6109 ft GL 6062 ft |
| | SEC: 28 TWP: 15 RGE: 97W | |