



| | | | |
|---------------------------|------------------------------------|---|-------------------|
| FILE NO: CH095881 | COMPANY WELL FIELD COUNTY | LARAMIE ENERGY PICEANCE 28-12W VEGA MESA | STATE COLORADO |
| API NO: 05077099540000 | | | |

| | | |
|--|---|------------------------|
| Ver. 4.01 SEC 28 T9S R93W PAD 28-11 PATTERSON 306 | LOCATION: SHL: 2493' FSL 1602' FWL BHL: 1878' FSL 880' FWL SEC 28 TWP 9S RGE 93W | OTHER SERVICES NONE |
|--|---|------------------------|

| | | | |
|---|----------------------|---|------------|
| PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM | GL KB KB GL | ELEVATION 22 FT 7580 FT 7602 FT 7580 FT | ABOVE P.D. |
|---|----------------------|---|------------|

| | |
|------------------------|-----------------------|
| DATE | 11-Apr-2015 |
| RUN | 1 |
| SERVICE ORDER | US095881 |
| DEPTH DRILLER | 7940 FT |
| DEPTH LOGGER | 7814 FT |
| BOTTOM LOGGED INTERVAL | 7804 FT |
| TOP LOGGED INTERVAL | 0 FT |
| TIME STARTED | 9:00 |
| TIME FINISHED | 11:00 |
| OPERATOR RIG TIME | 2 HRS |
| TYPE OF FLUID IN HOLE | WATER |
| FLUID DENSITY | NA |
| FLUID SALINITY | NA |
| FLUID LEVEL | 124 FT |
| LOGGED CEMENT TOP | NA |
| WELLHEAD PRESSURE | 0 PSI |
| MAXIMUM HOLE DEVIATION | NA |
| NOMINAL LOGGING SPEED | 90 FMIN |
| MAX. RECORDED TEMP. | 249 DEGF |
| REFERENCE LOG | BAKER HUGHES HDIL/ZDL |
| REFERENCE LOG DATE | 09-MAR-2015 |
| EQUIP. NO. | 6685 |
| LOCATION | GRAND JCT |
| RECORDED BY | P. EDWARDS |
| WITNESSED BY | MR. JOHN GRUBICH |

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 |
| 7.875 IN | 0 FT | 7940 FT |

| CASING RECORD | | | | |
|---------------|-----------|-------|------|---------|
| SIZE | WEIGHT | GRADE | FROM | TO |
| 4.5 IN | 11.6 LB/F | | 0 FT | 7940 FT |

| REMARKS |
|---|
| RUN 1 TRIP 1: LOG CORRELATED TO THE GAMMA RAY CURVE ON BAKER HUGHES HDIL/ZDL/CN/GR DATED 09-MAR-2015 BHT = 249 degF SJ = 4655' - 4677' SJ = 6972' - 6993' THANKS FOR USING BAKER HUGHES WIRELINE RIG: PATTERSON 306 |

| EQUIPMENT DATA | | | | |
|----------------|------|------|------------|------------|
| RUN | TRIP | TOOL | SERIES NO. | SERIAL NO. |
| 1 | 1 | CD | 1122X1 | 12212122 |

| | | | | | |
|---|---|--------|--------|----------|-------------|
| 1 | 1 | CBL | 1426XA | 10218496 | CENTRALIZED |
| 1 | 1 | CCL/GR | 1355ZA | 11871506 | CENTRALIZED |

MAIN PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 6

Plotted: Sat Apr 11 10:55:09 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH095881/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 24.500 ft BOTTOM DEPTH: 7821.466 ft

SYMMETRIC FILTER

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|------------------|-----------|------------|-------|---------------|--------|
| GR | FILTER () | medium (1) | | TOP | BOTTOM |
| AMPLITUDE | FILTER () | medium (1) | | " | " |
| TRAVEL TIME | FILTER () | medium (1) | | " | " |

RAL CCL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|------------------|-----------|-------|-------|---------------|--------|
| CCL FLOOR | CCL FLOOR | 0 | | TOP | BOTTOM |

ANALOG RAL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|---------------------------|----------------------------|---------|-------|---------------|--------|
| AMPLITUDE WINDOW (NEAR) | AMP WINDOW START (fgp1*) | 187 | us | TOP | BOTTOM |
| | AMP WINDOW START (fgp2*) | 187 | us | " | " |
| | AMP WINDOW START (fgp3*) | 187 | us | " | " |
| | AMP WINDOW START (fgp4*) | 187 | us | " | " |
| | AMP WINDOW START (fgp5*) | 187 | us | " | " |
| | AMP WINDOW START (fgp6*) | 187 | us | " | " |
| | AMP WINDOW START (fgp7*) | 187 | us | " | " |
| | AMP WINDOW START (fgp8*) | 187 | us | " | " |
| | AMP WINDOW START (fgpn*) | 187 | us | " | " |
| TRAVEL TIME WINDOW (NEAR) | AMP WINDOW LENGTH | 25 | us | " | " |
| | TT WINDOW START (ttn*) | 174 | us | " | " |
| | TT WINDOW LENGTH | 500 | us | " | " |
| | FIRST BRK THRESHOLD (ttn*) | 4 | mV | " | " |
| RAL CASING PARAMETERS | PPT NEAR | 200.391 | us | " | " |
| RAL TOOL DELAY | TOOL DELAY (str1*) | -68 | us | " | " |
| | TOOL DELAY (str2*) | -68 | us | " | " |
| | TOOL DELAY (str3*) | -68 | us | " | " |
| | TOOL DELAY (str4*) | -68 | us | " | " |
| | TOOL DELAY (str5*) | -68 | us | " | " |
| | TOOL DELAY (str6*) | -68 | us | " | " |
| | TOOL DELAY (str7*) | -68 | us | " | " |
| | TOOL DELAY (str8*) | -68 | us | " | " |
| | TOOL DELAY (strn*) | -68 | us | " | " |
| BASELINE NOISE (NEAR) | NOISE WINDOW START | 128 | us | " | " |
| | NOISE WINDOW LENGTH | 25 | us | " | " |

PERCENT BOND CEMENT MAP

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|-------------------------|----------------|-------|-------|---------------|--------|
| RAL FREE PIPE AMPLITUDE | FREE AMP REC 1 | 80 | mV | TOP | BOTTOM |
| | FREE AMP REC 2 | 80 | mV | " | " |
| | FREE AMP REC 3 | 80 | mV | " | " |
| | FREE AMP REC 4 | 80 | mV | " | " |
| | FREE AMP REC 5 | 80 | mV | " | " |

| | | | | | |
|-------------------------|---------------------|----|----|---|---|
| | FREE AMP REC 6 | 80 | mV | " | " |
| | FREE AMP REC 7 | 80 | mV | " | " |
| | FREE AMP REC 8 | 80 | mV | " | " |
| RAL FULL BOND AMPLITUDE | FULL BOND AMP REC 1 | 2 | mV | " | " |
| | FULL BOND AMP REC 2 | 2 | mV | " | " |
| | FULL BOND AMP REC 3 | 2 | mV | " | " |
| | FULL BOND AMP REC 4 | 2 | mV | " | " |
| | FULL BOND AMP REC 5 | 2 | mV | " | " |
| | FULL BOND AMP REC 6 | 2 | mV | " | " |
| | FULL BOND AMP REC 7 | 2 | mV | " | " |
| | FULL BOND AMP REC 8 | 2 | mV | " | " |

CURVE DESCRIPTION REPORT

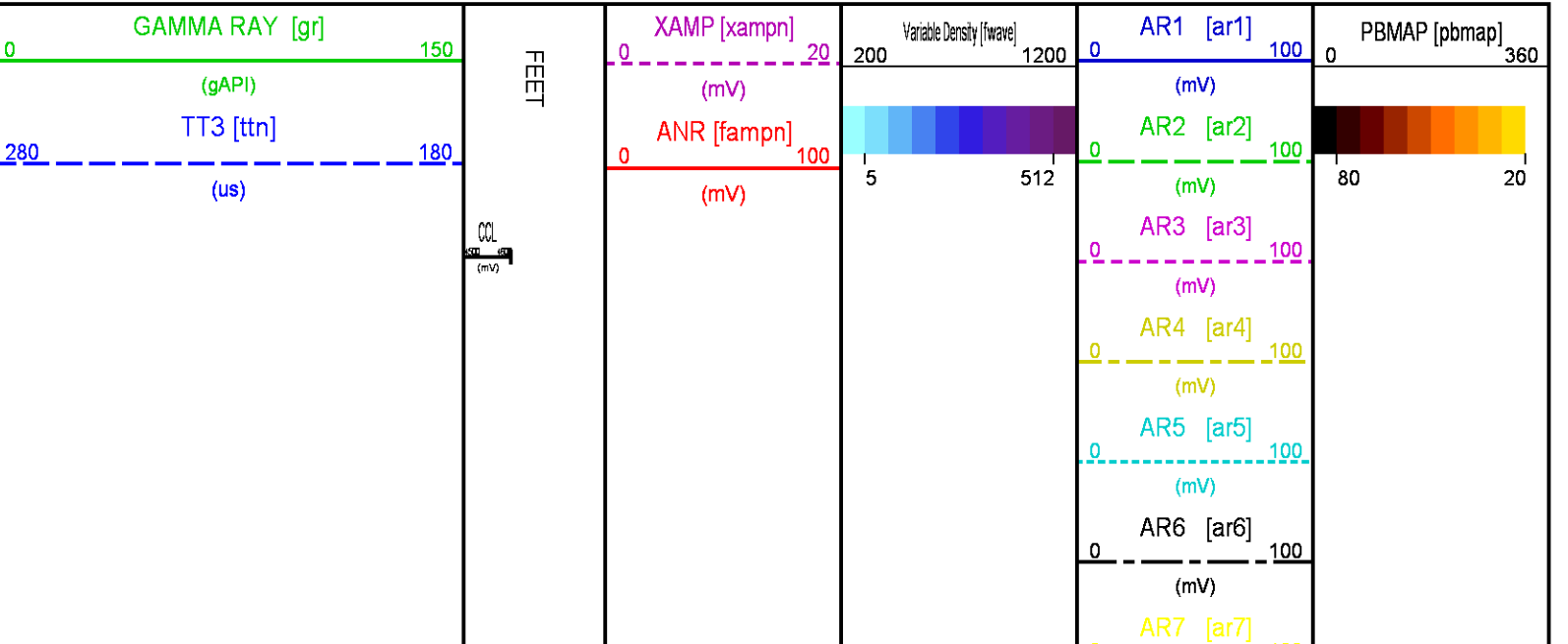
| CURVE NAME | CREATION DATE | CURVE DESCRIPTION |
|------------|----------------------|---|
| F1:AR1 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R1 |
| F1:AR2 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R2 |
| F1:AR3 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R3 |
| F1:AR4 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R4 |
| F1:AR5 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R5 |
| F1:AR6 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R6 |
| F1:AR7 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R7 |
| F1:AR8 | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE T-R8 |
| F1:CCL | Apr 11 09:12:06 2015 | CASING COLLAR LOCATOR |
| F1:FAMPN | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | Apr 11 09:12:06 2015 | FAR WAVE FORM |
| F1:GR | Apr 11 09:12:06 2015 | GAMMA RAY |
| F1:PBMAP | Apr 11 09:12:06 2015 | PERCENT BOND CEMENT MAP |
| F1:TTN | Apr 11 09:12:06 2015 | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | Apr 11 09:12:06 2015 | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

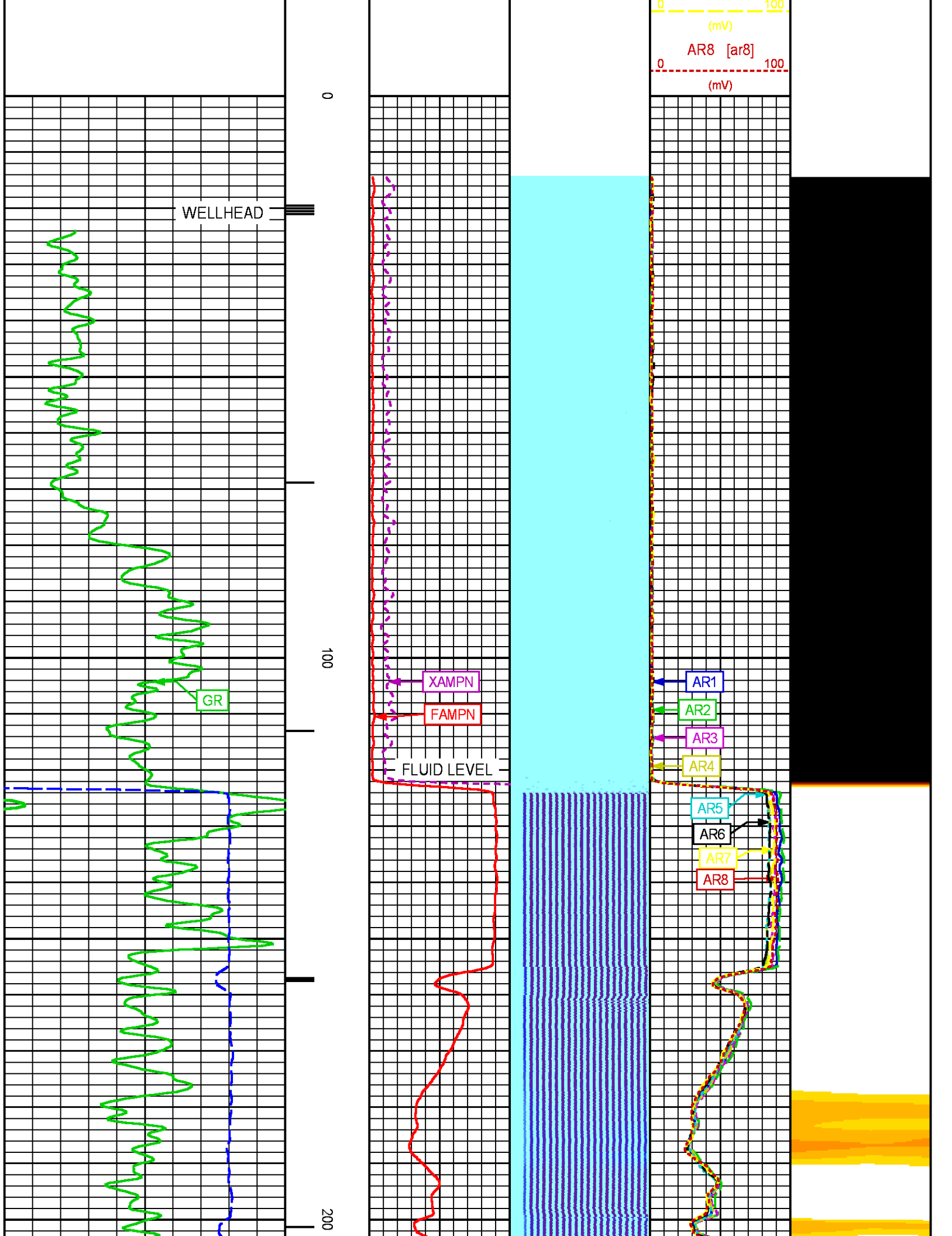
CURVE MEASURE POINT OFFSET

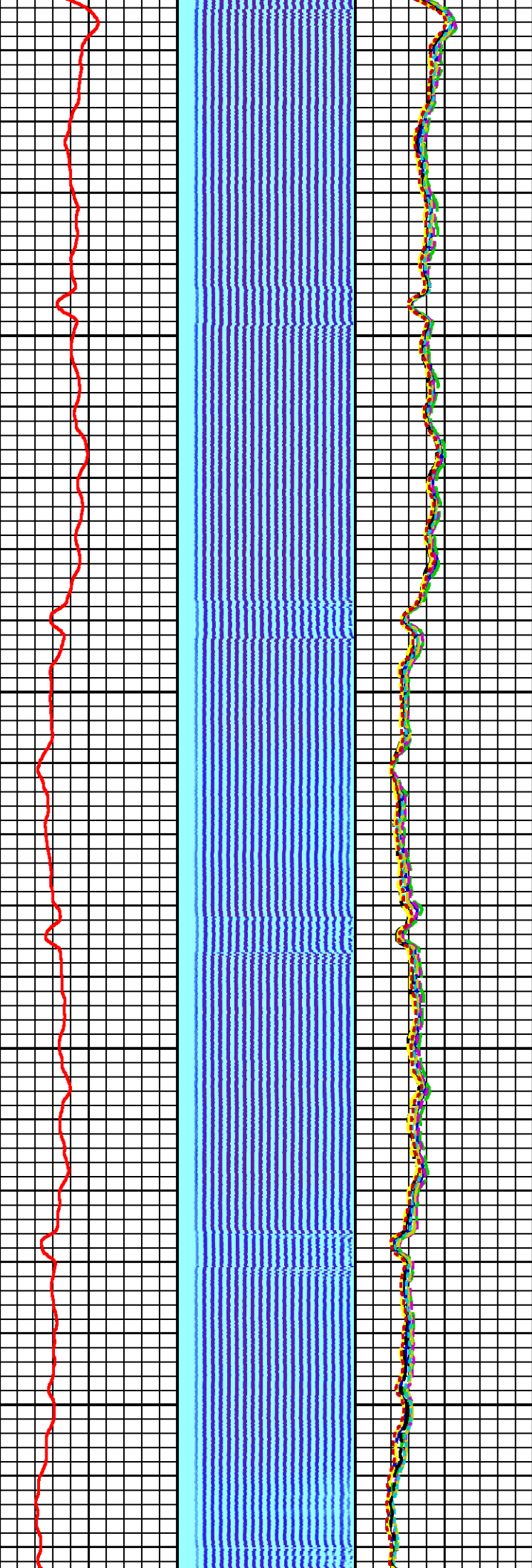
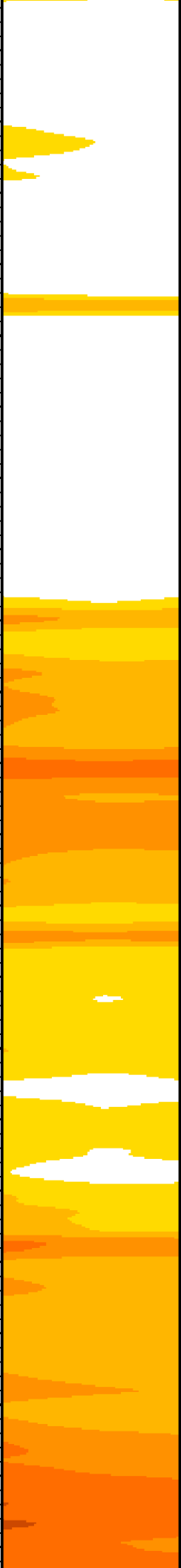
| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| AR1 | 11.25 | AR5 | 11.25 | CCL | 5.75 | XAMPN | 11.25 |
| AR2 | 11.25 | AR6 | 11.25 | FAMPN | 11.25 | | |
| AR3 | 11.25 | AR7 | 11.25 | GR | 1.75 | | |
| AR4 | 11.25 | AR8 | 11.25 | TTN | 11.25 | | |

Presentation : cas6685:/dat1a/CH095881/CBLMAIN.fvpdf [5"/100' Scale]
Plot Interval : 0 - 7819 Feet

Data File 1 : F1 : cas6685:/dat1a/CH095881/CBL_MAIN_12W.xtf
Created On : Apr 11 09:12:06 2015
Company : LARAMIE ENERGY
Well : PICEANCE 28-12W
Field : VEGA
File Interval : 13.25 - 7818.25 Feet
OCT : n012g

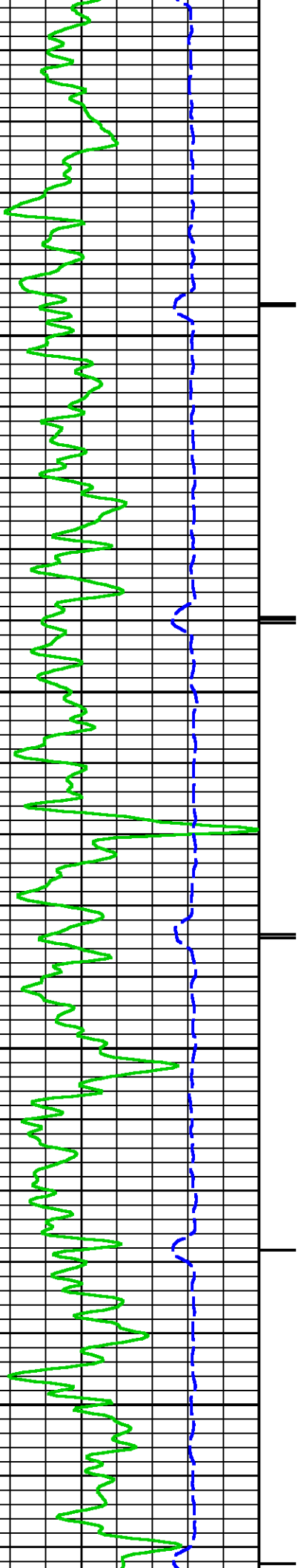


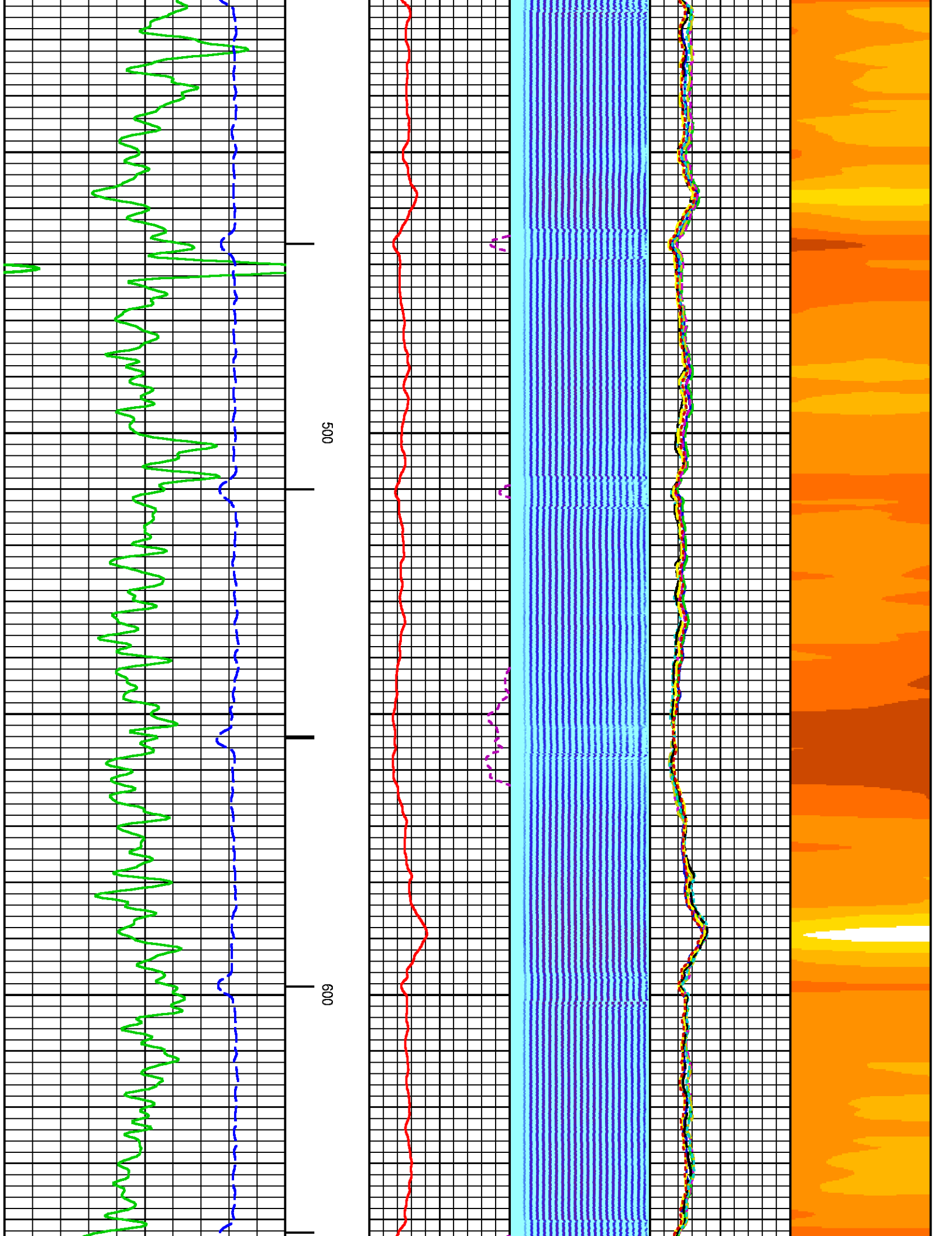


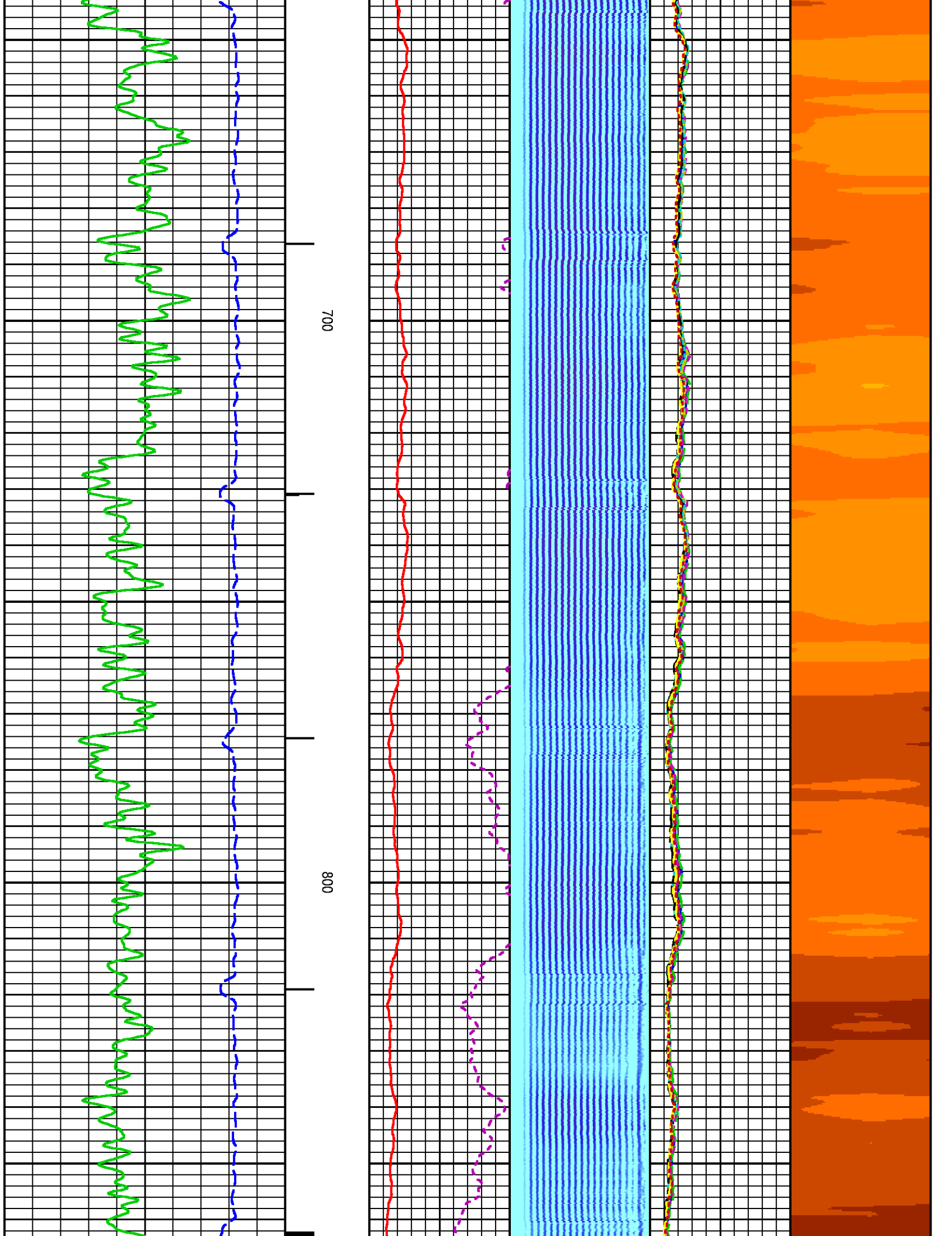


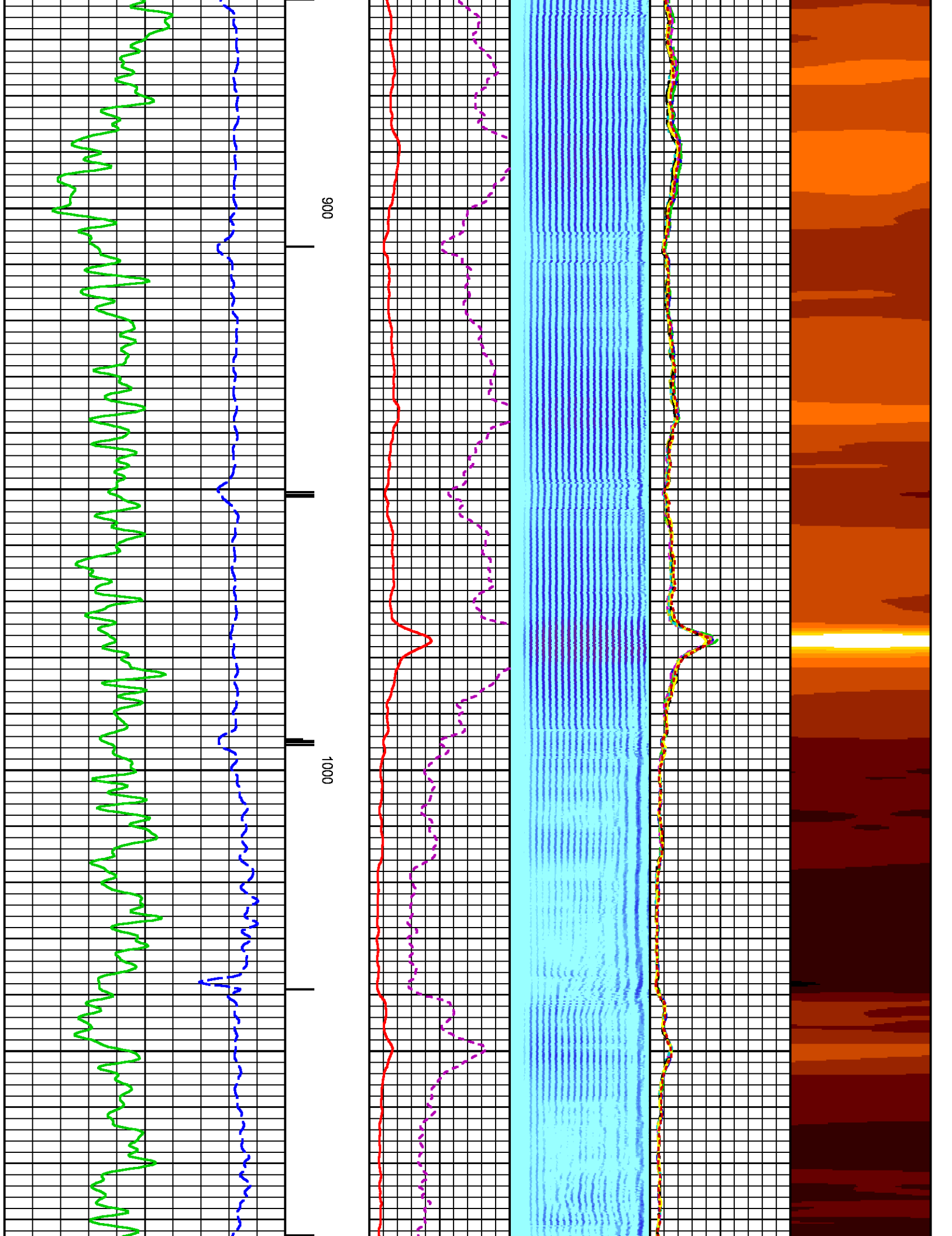
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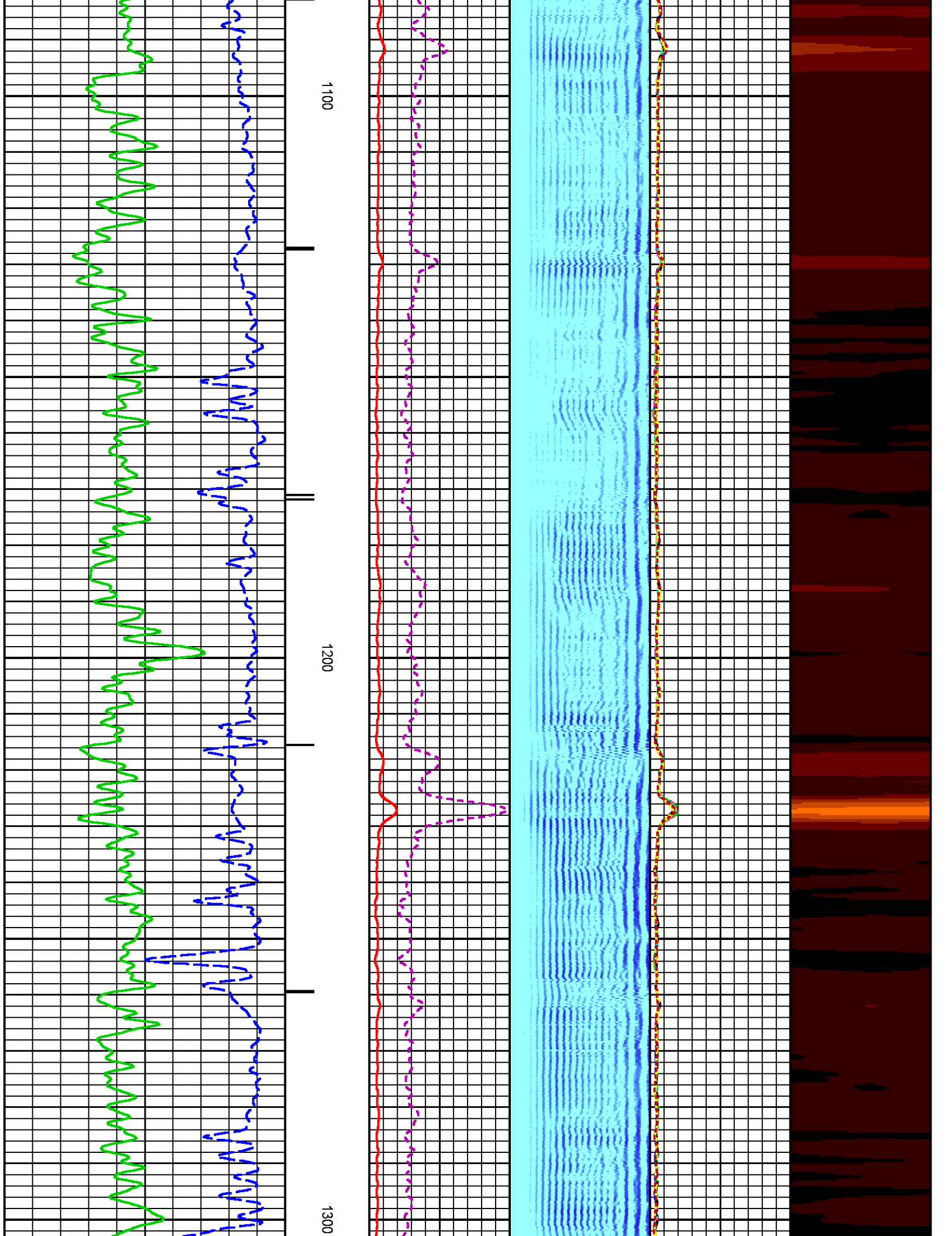
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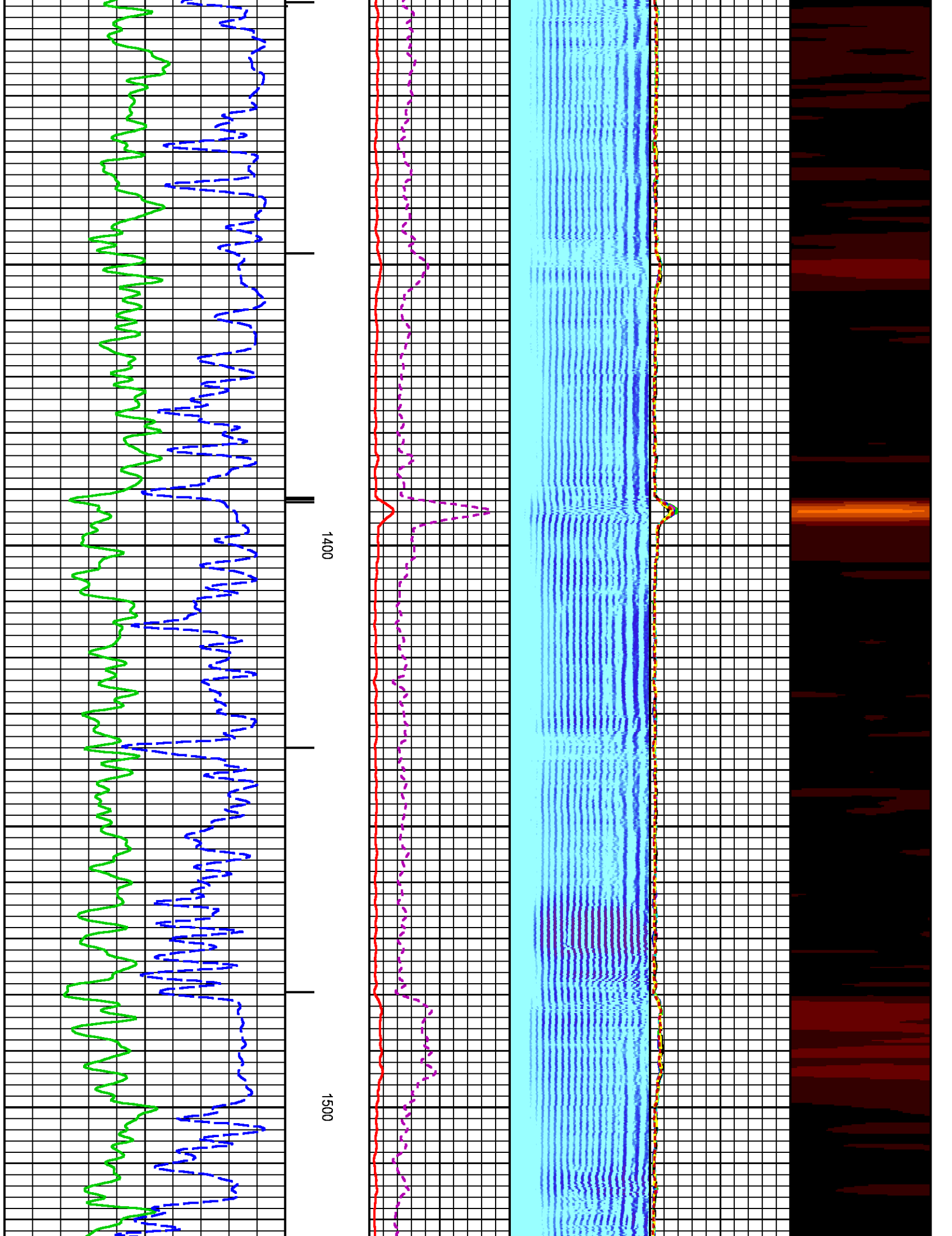


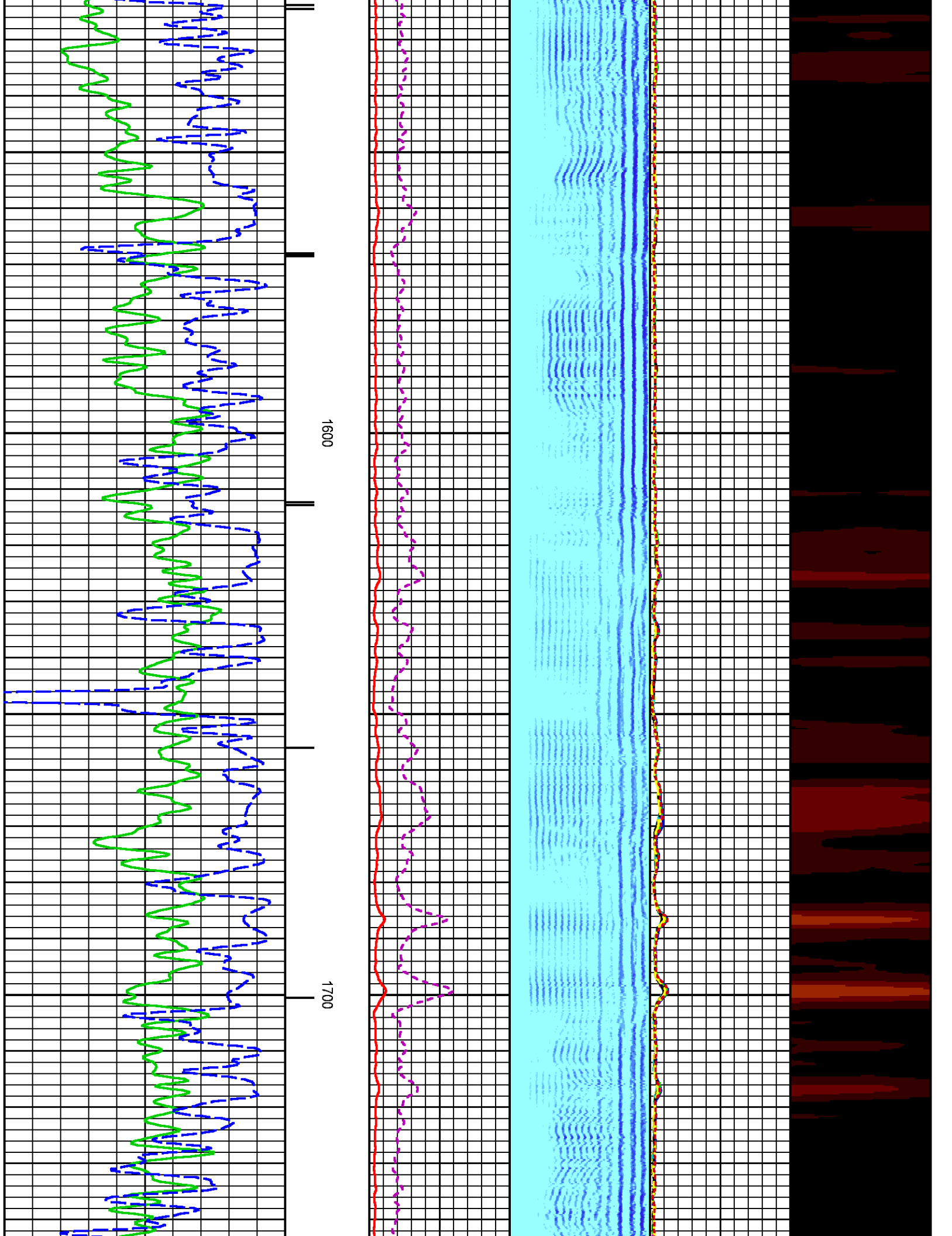


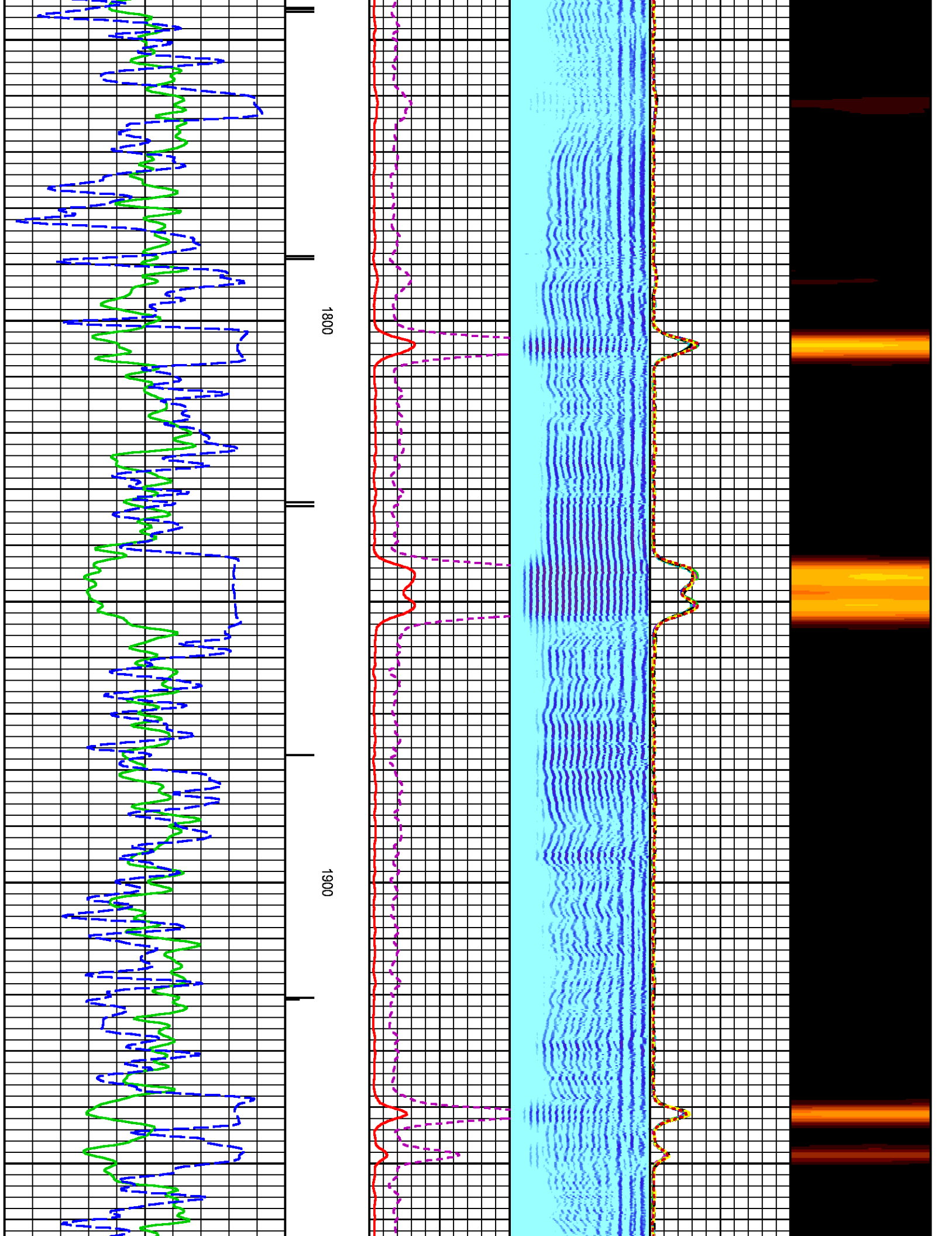


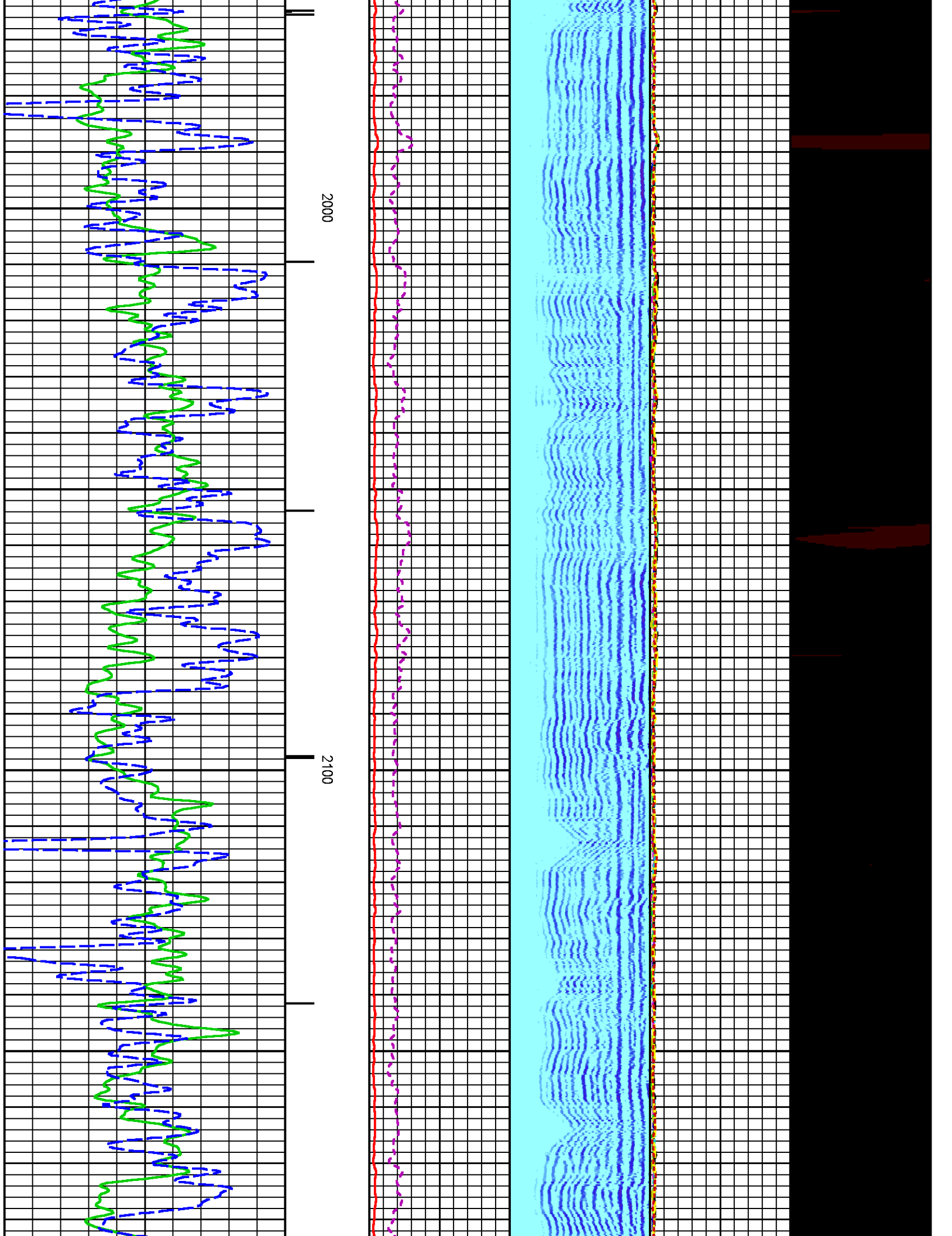


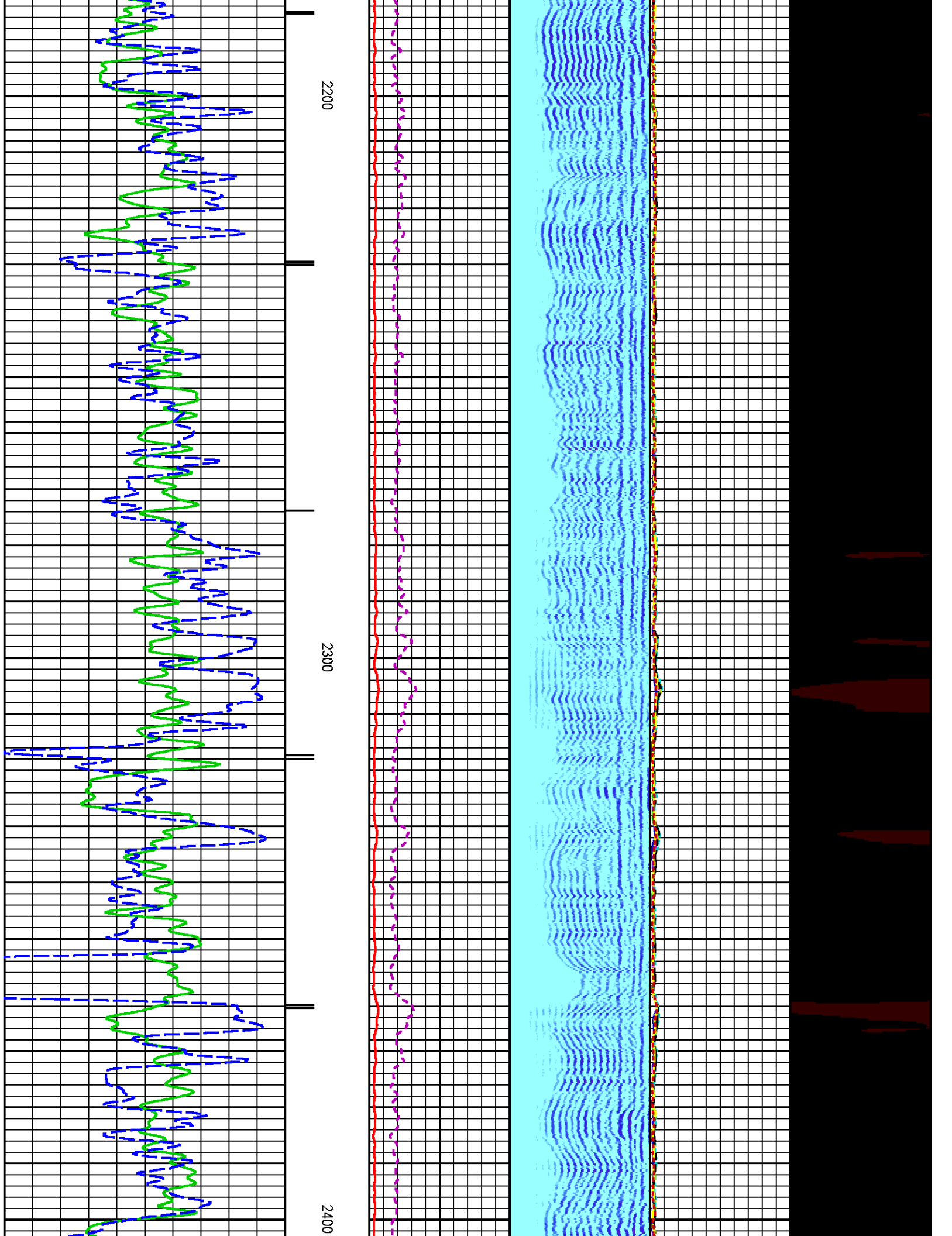


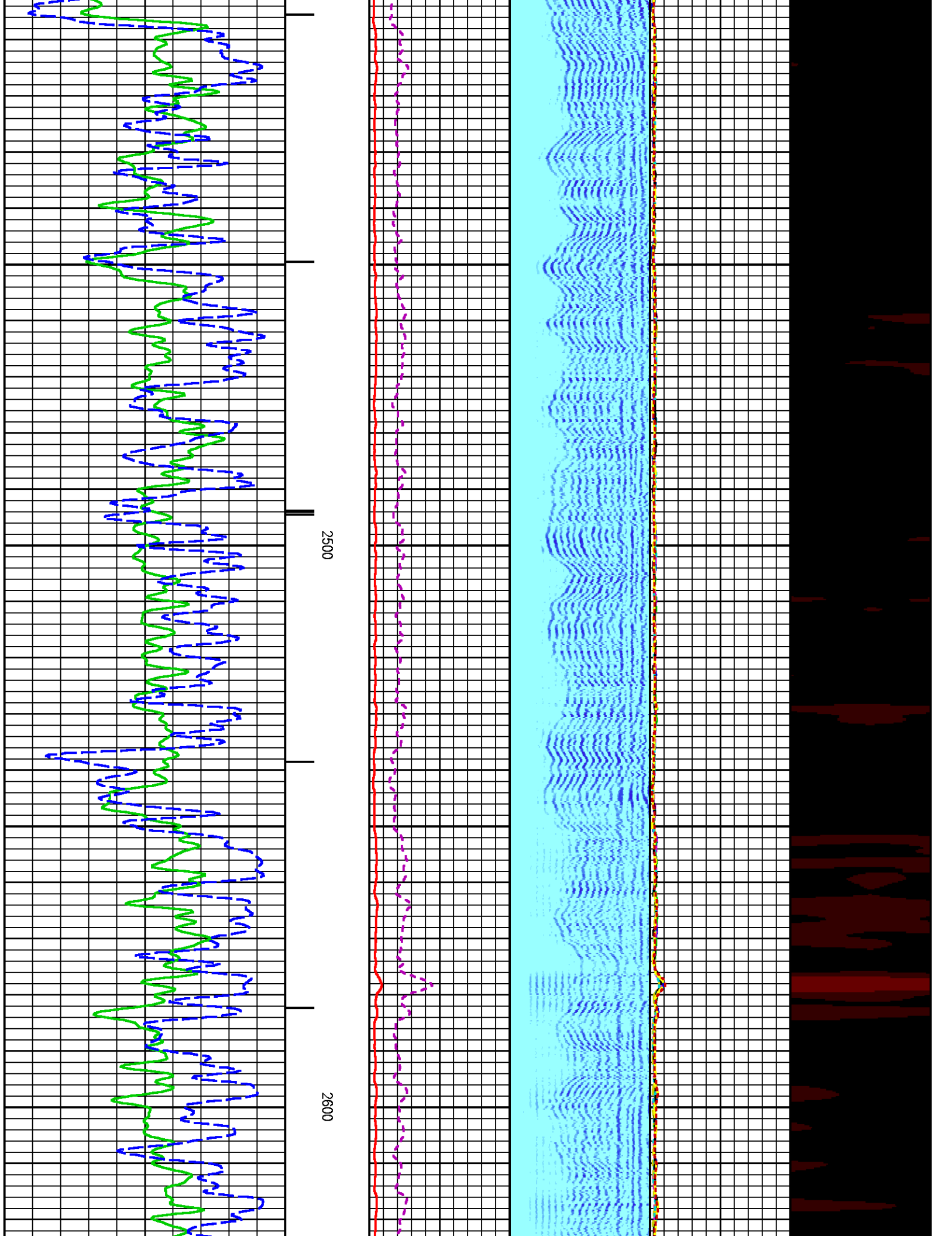


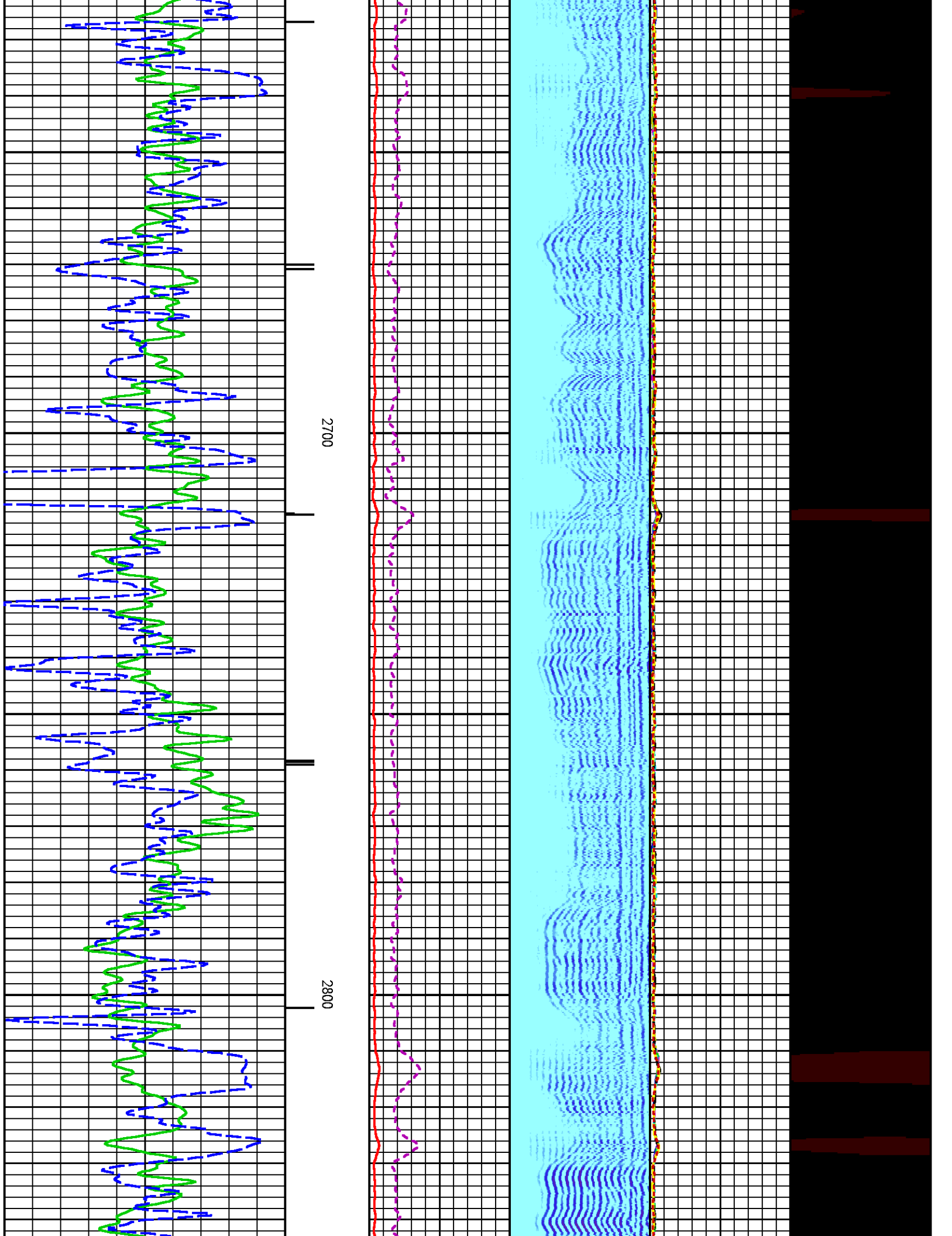


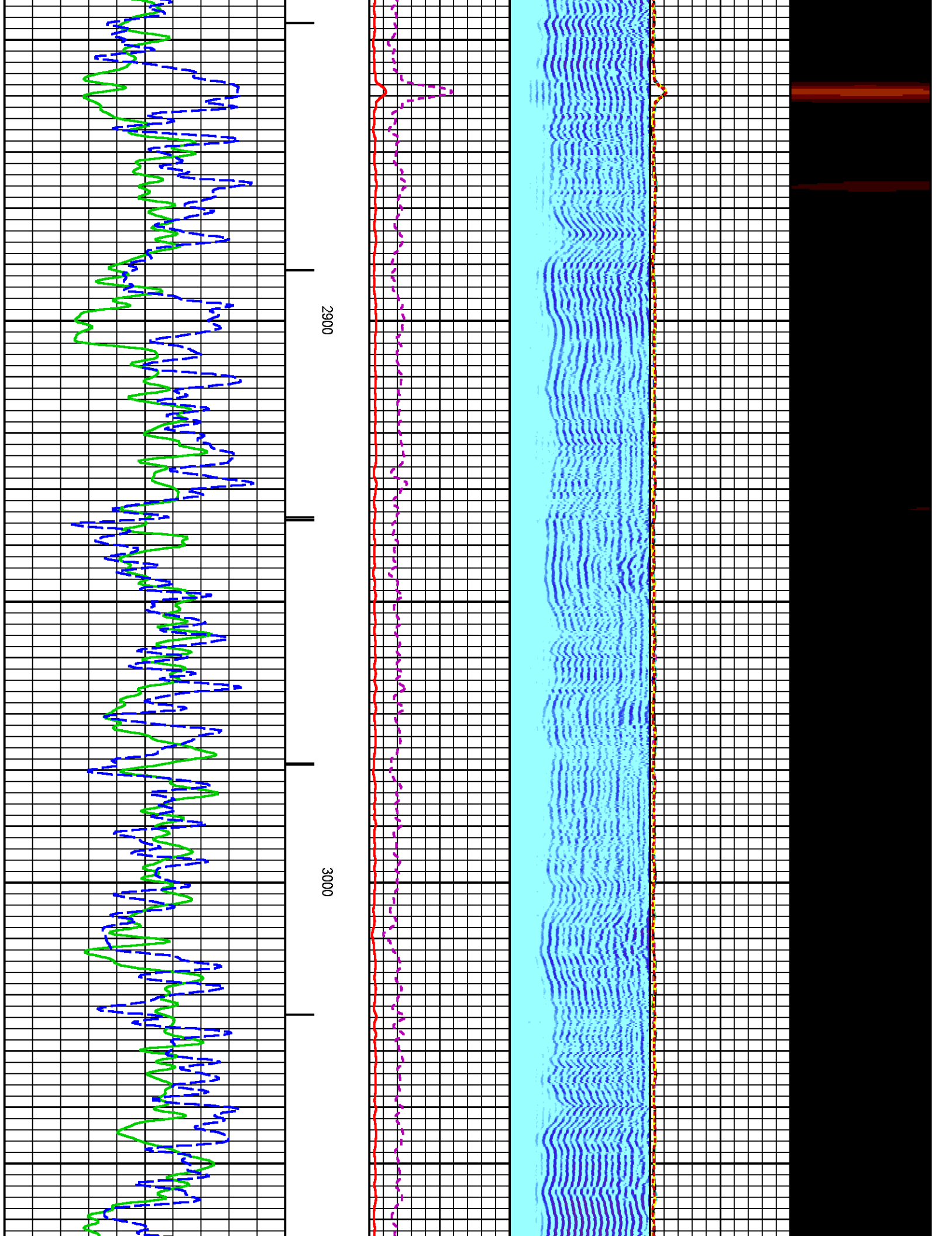


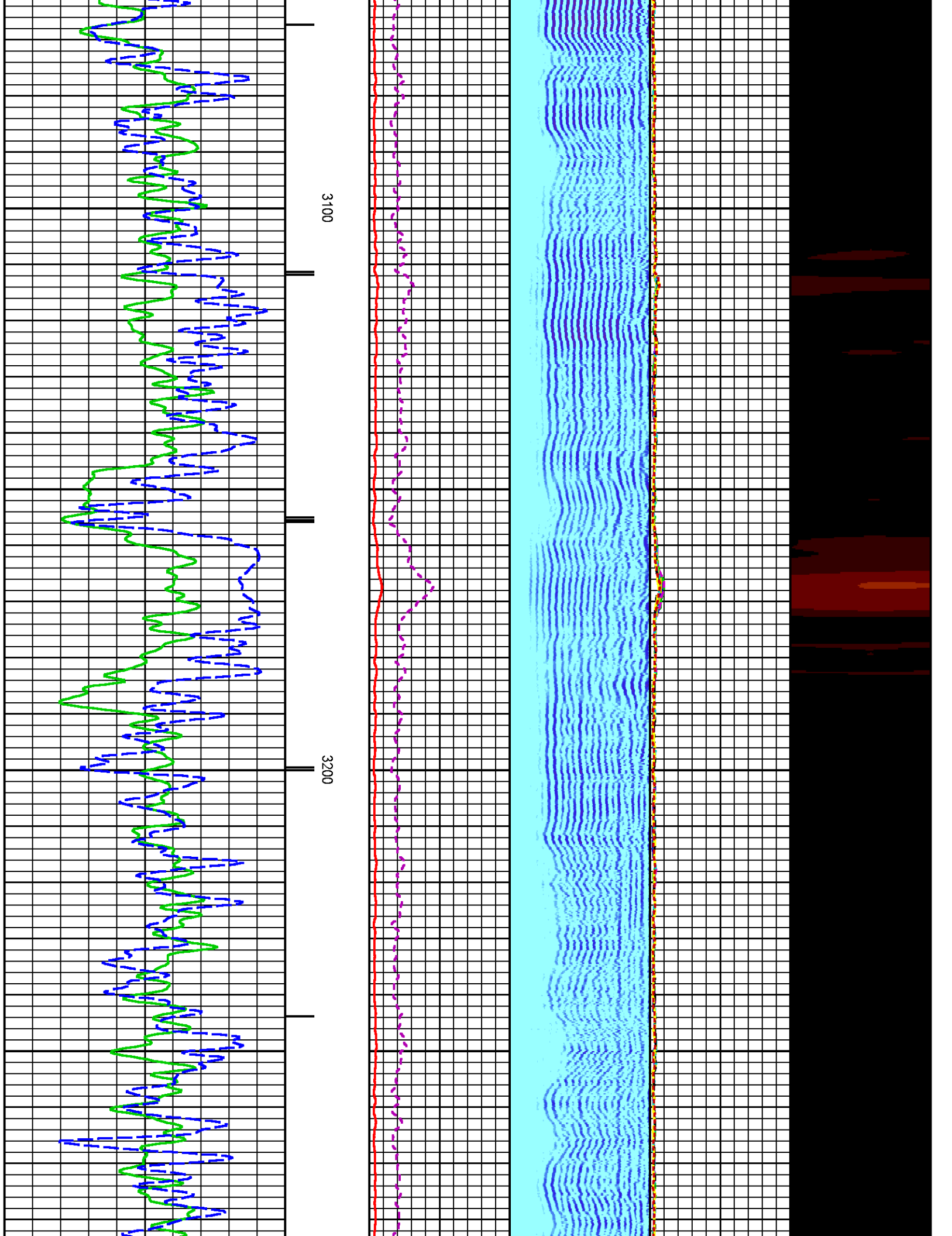


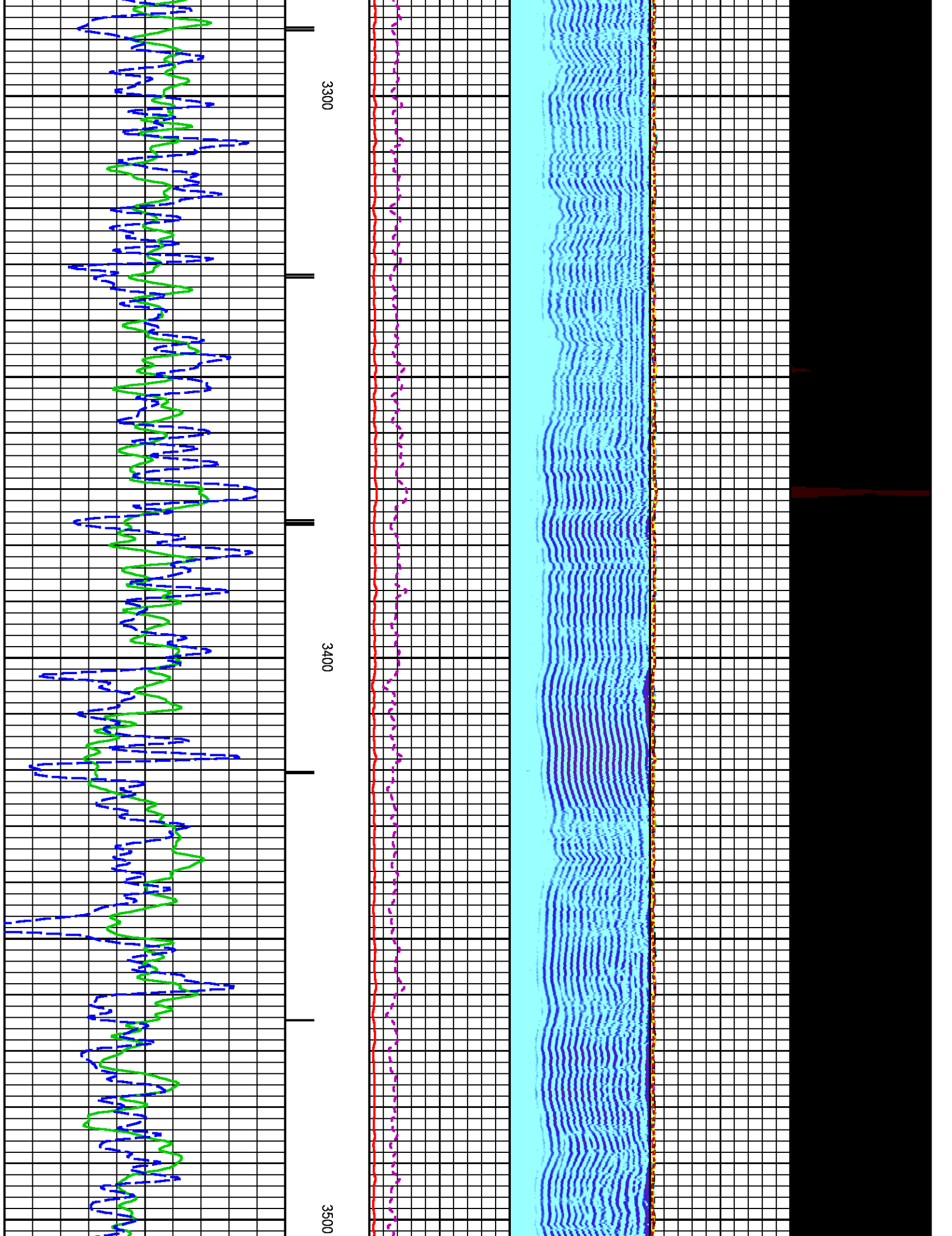


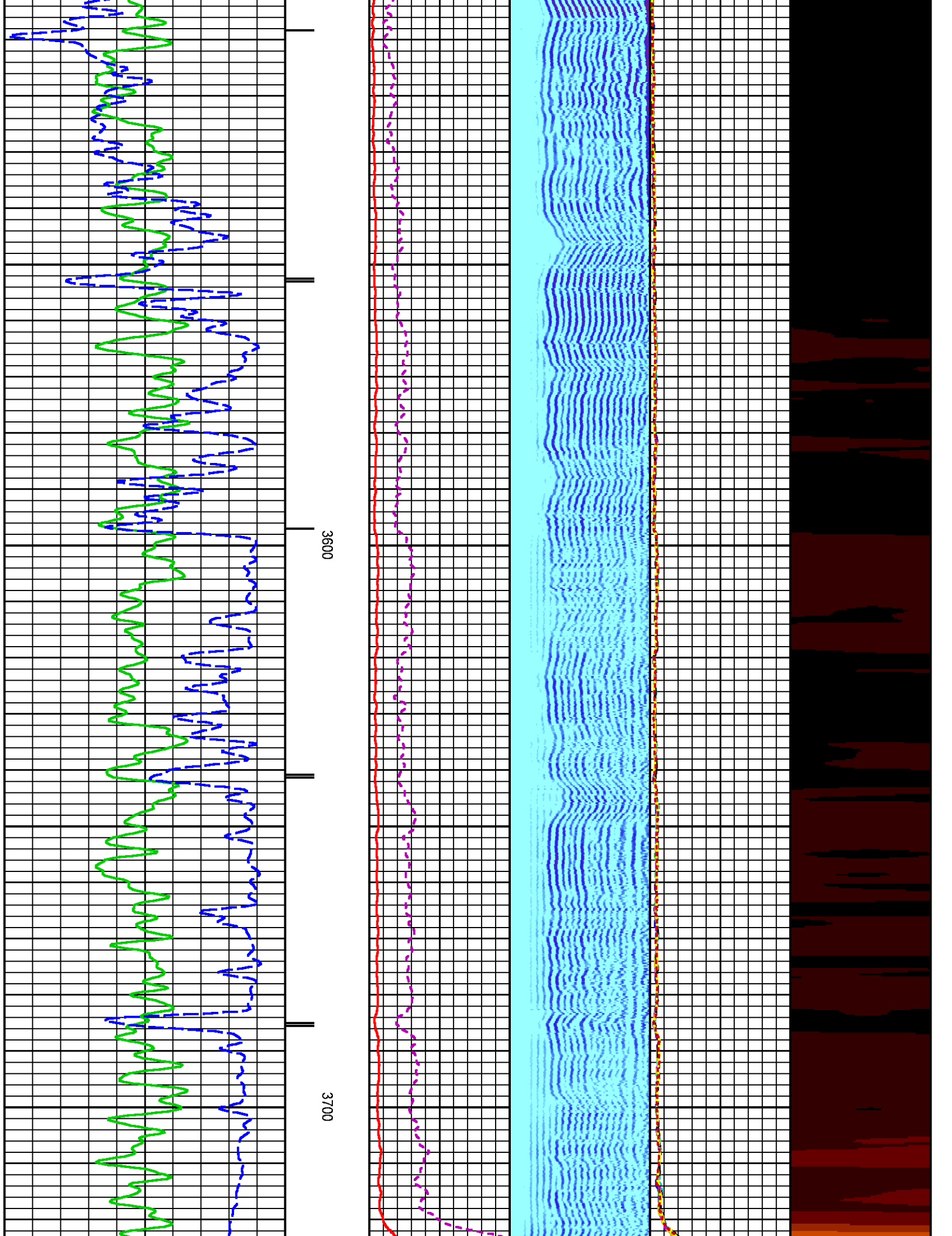


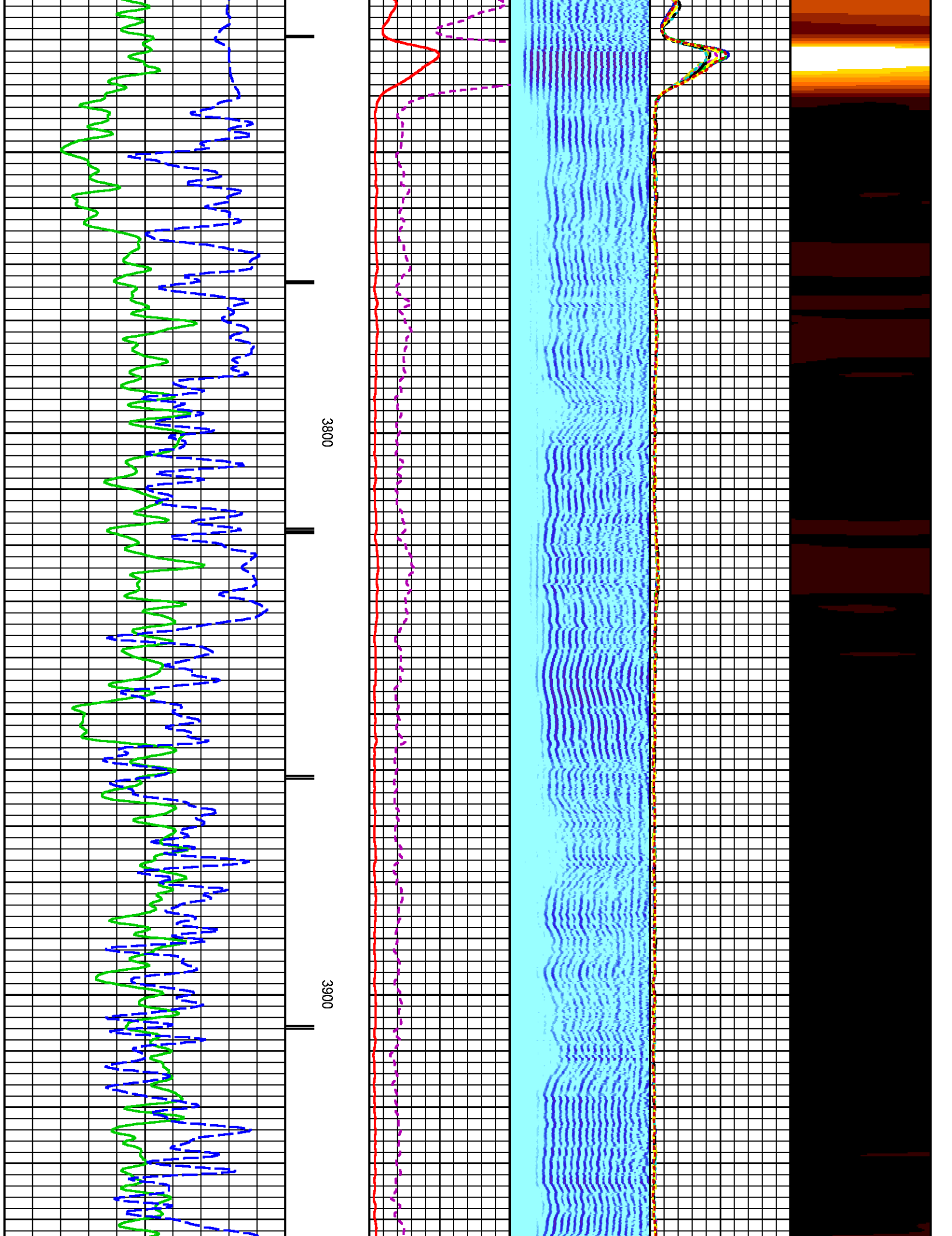


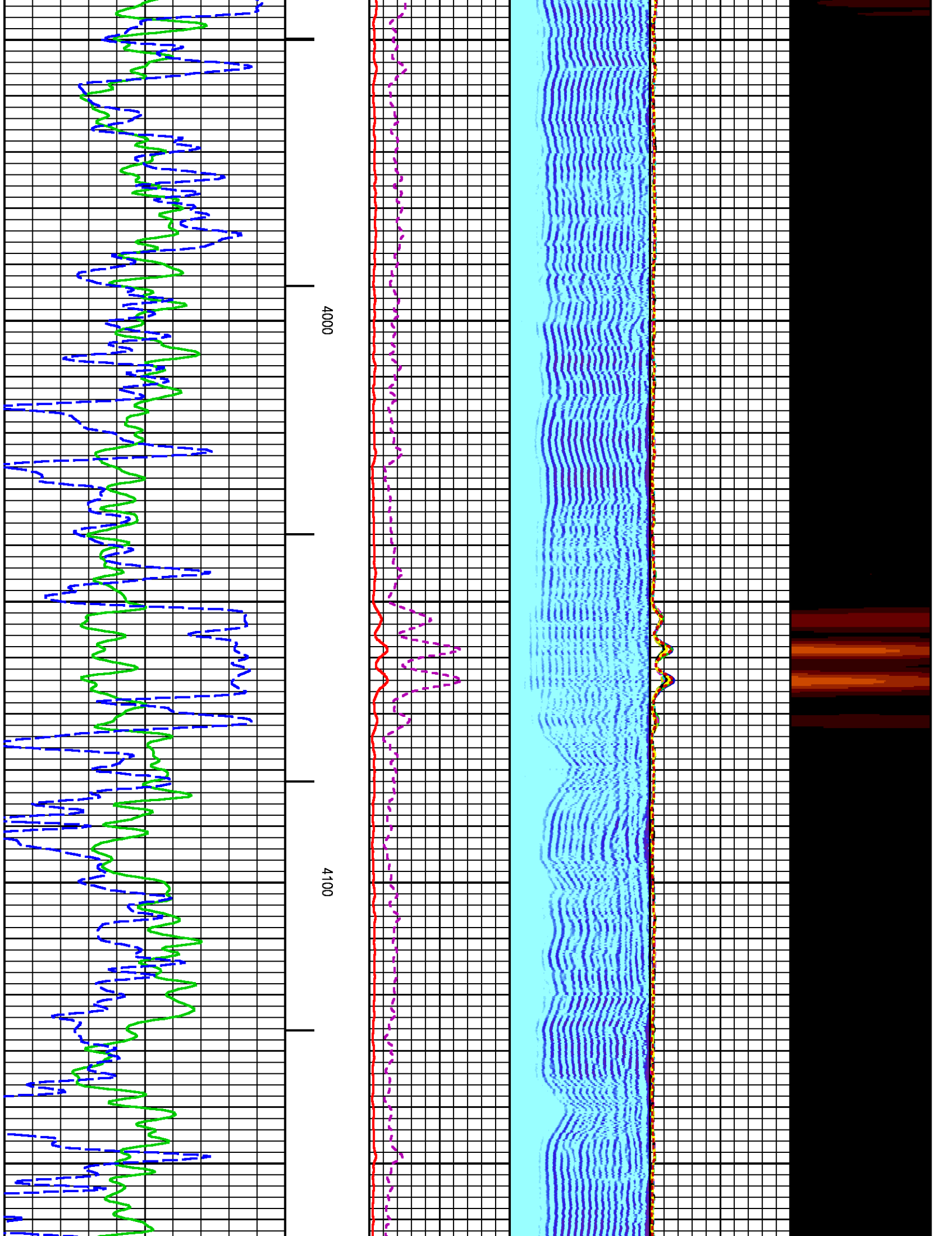


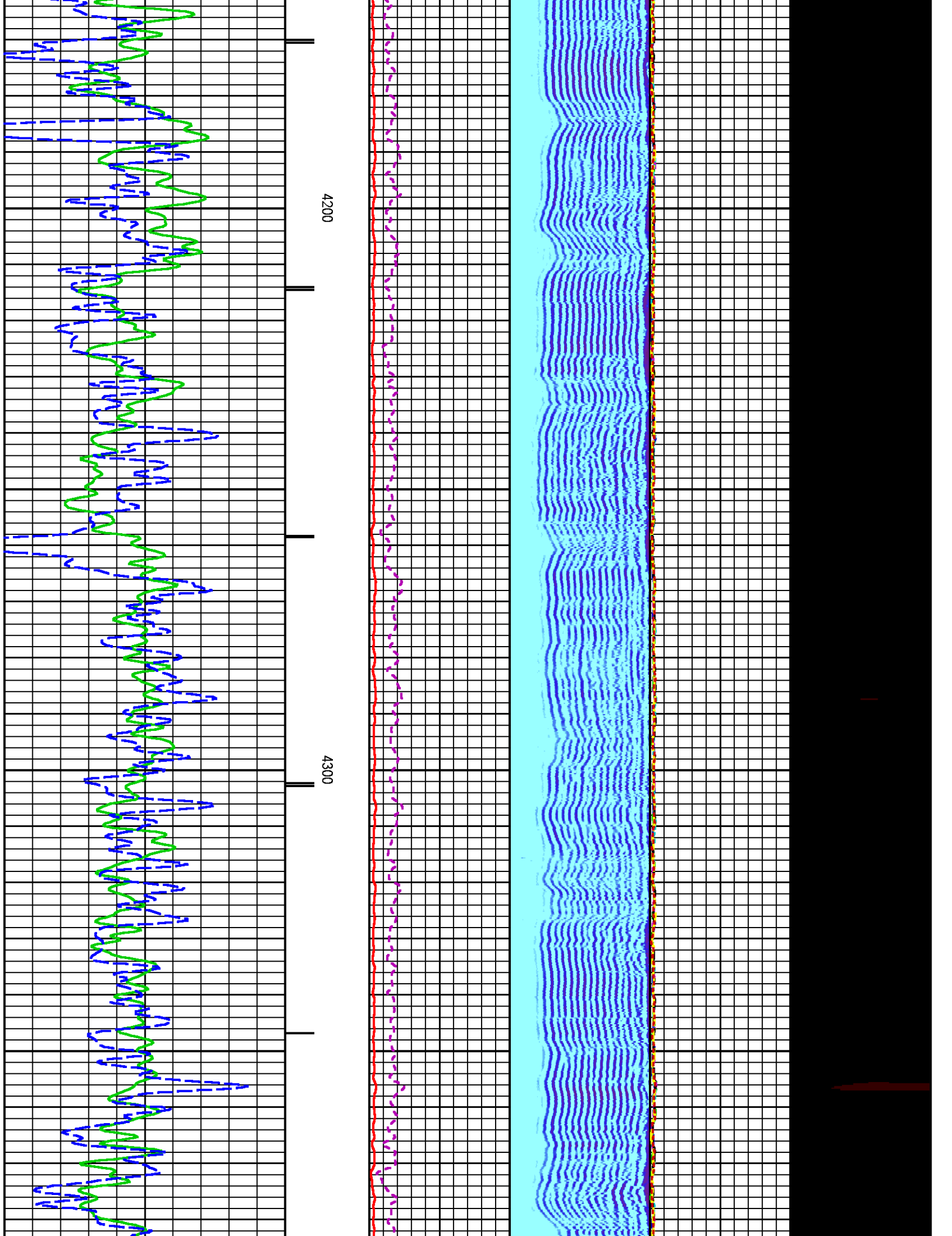


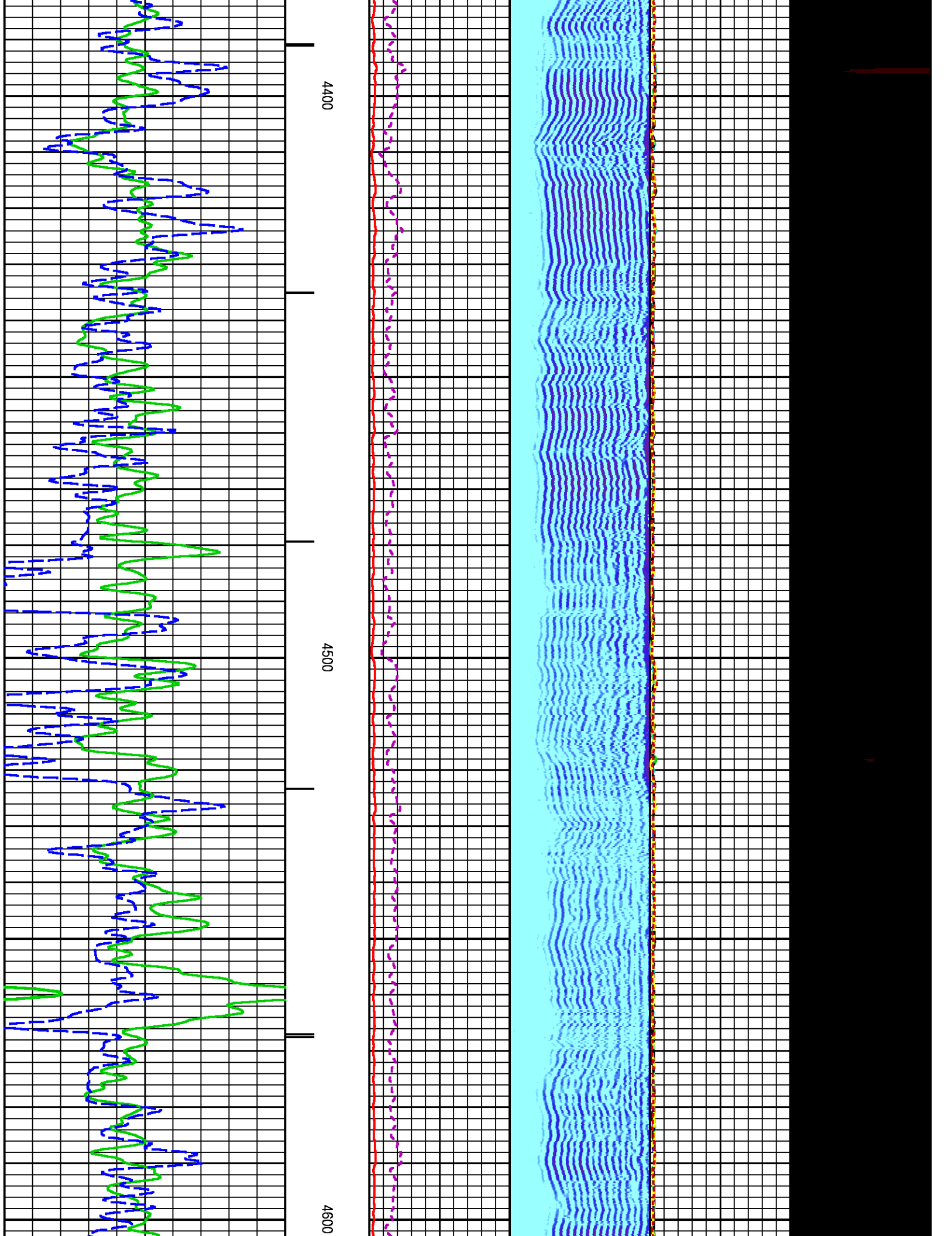


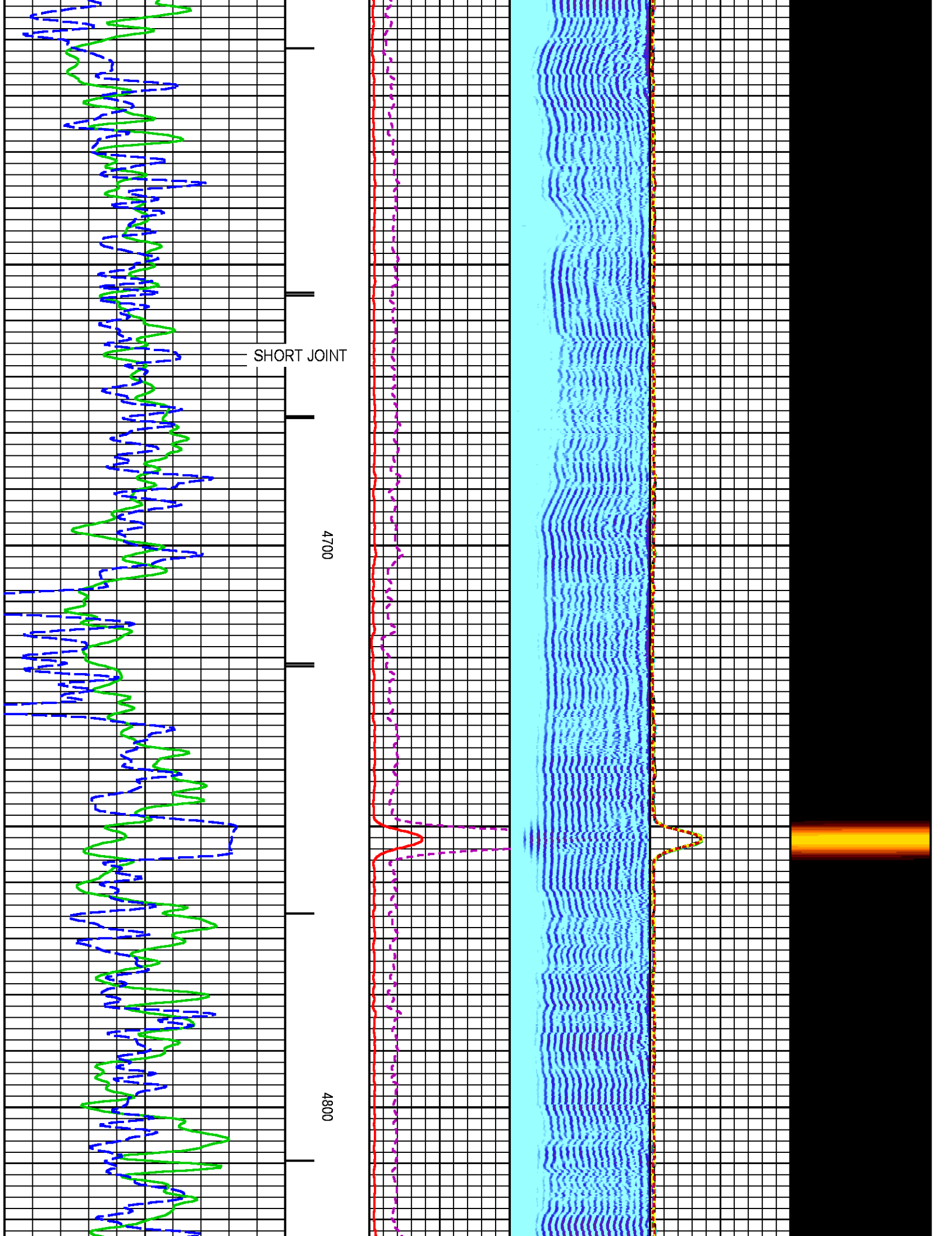


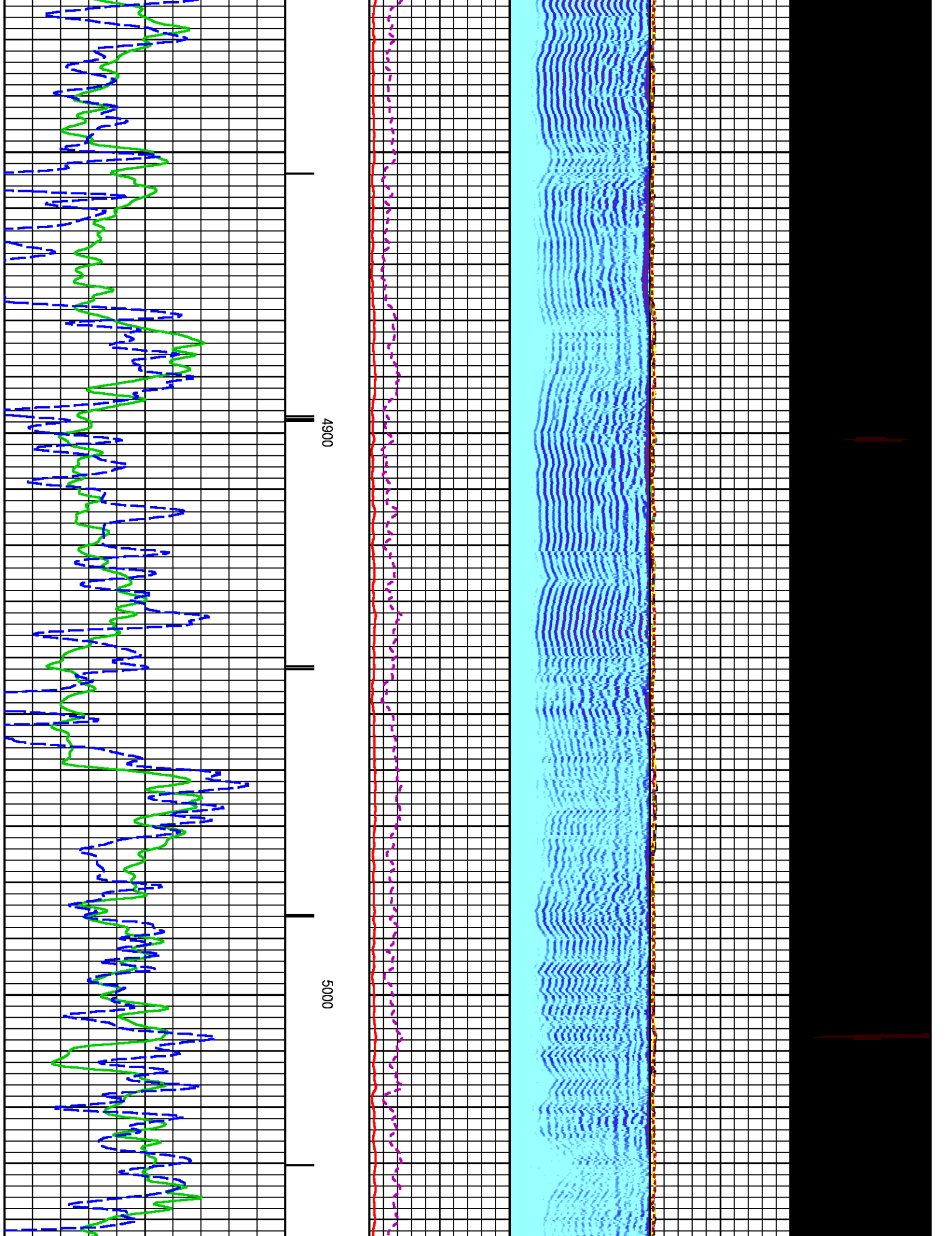


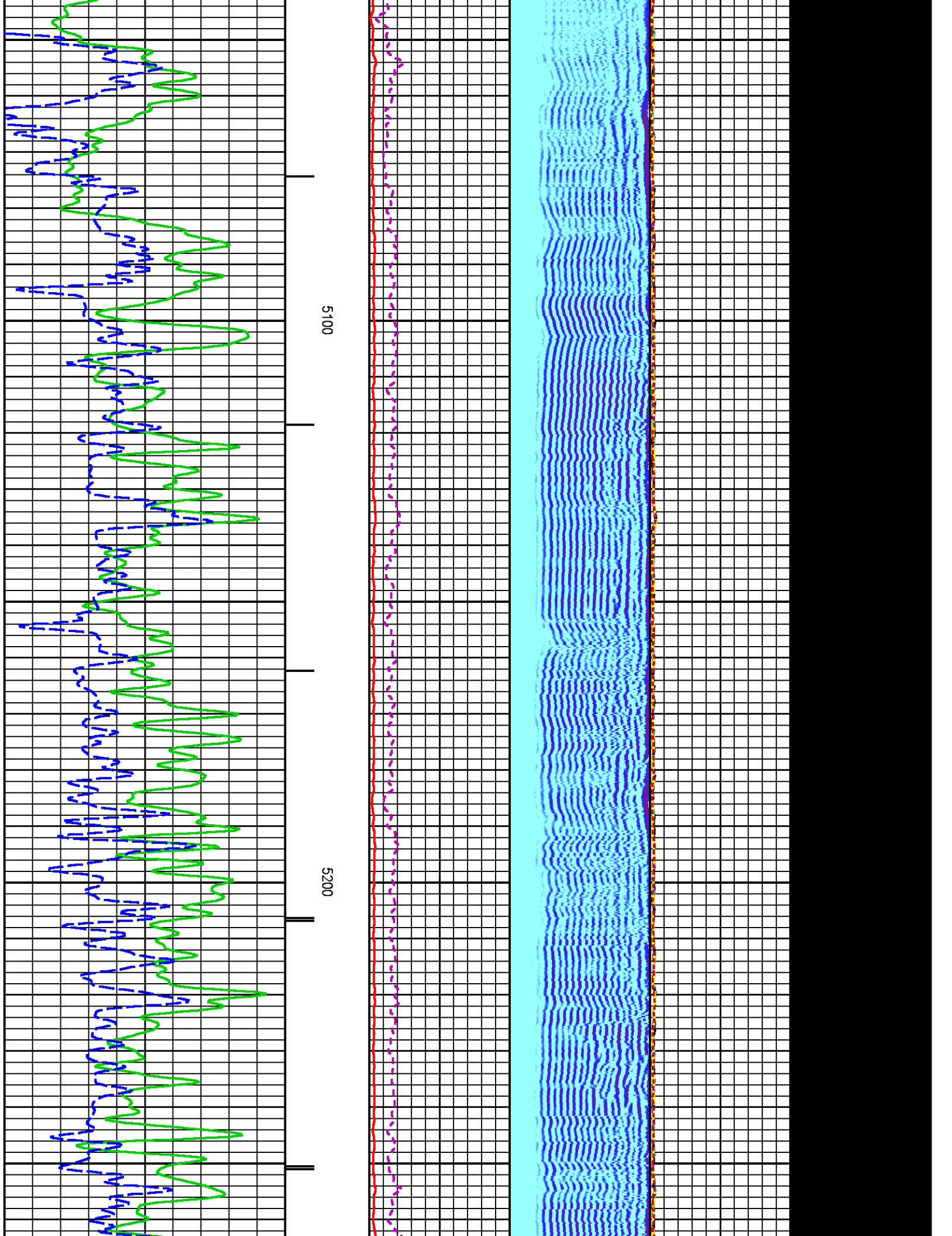


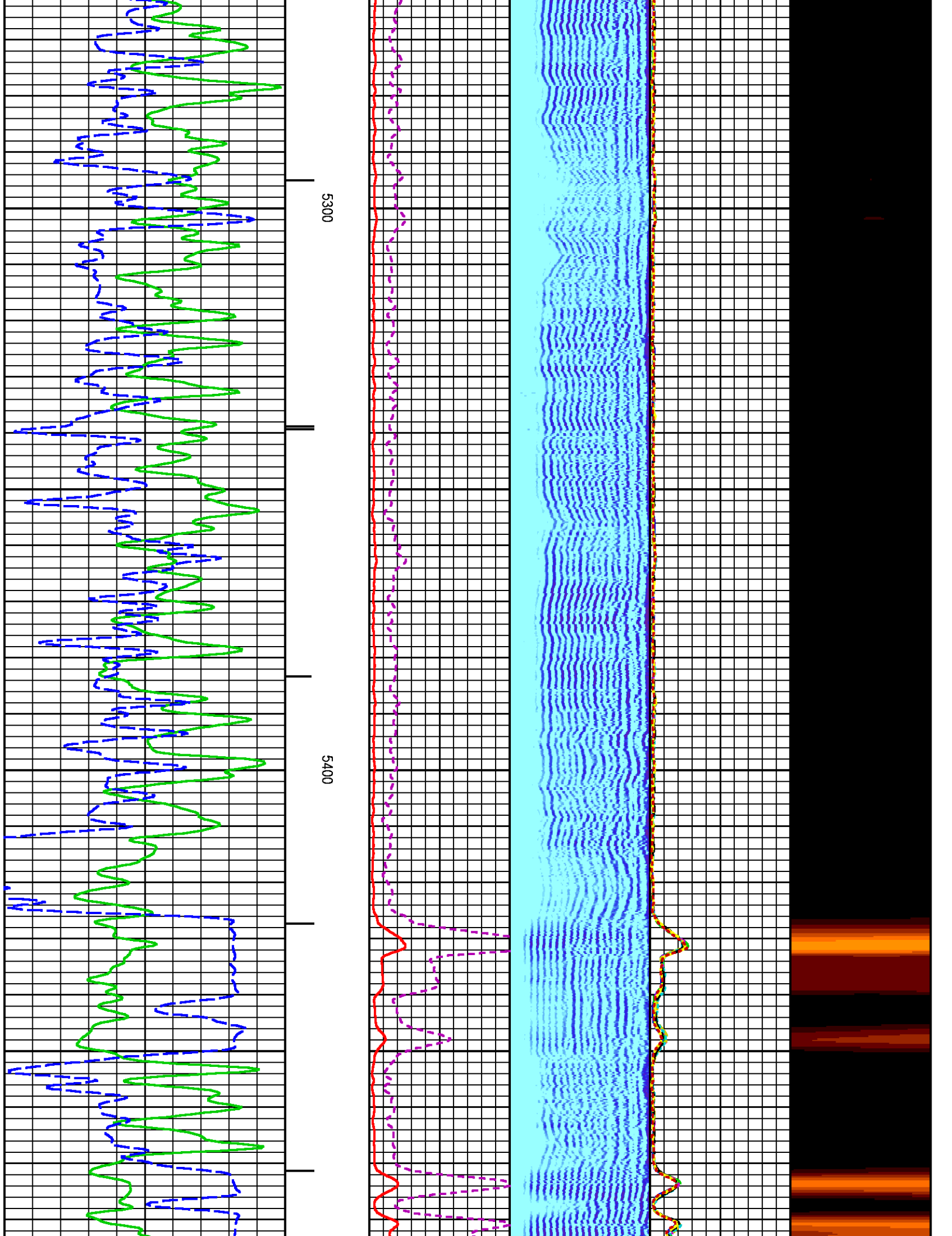


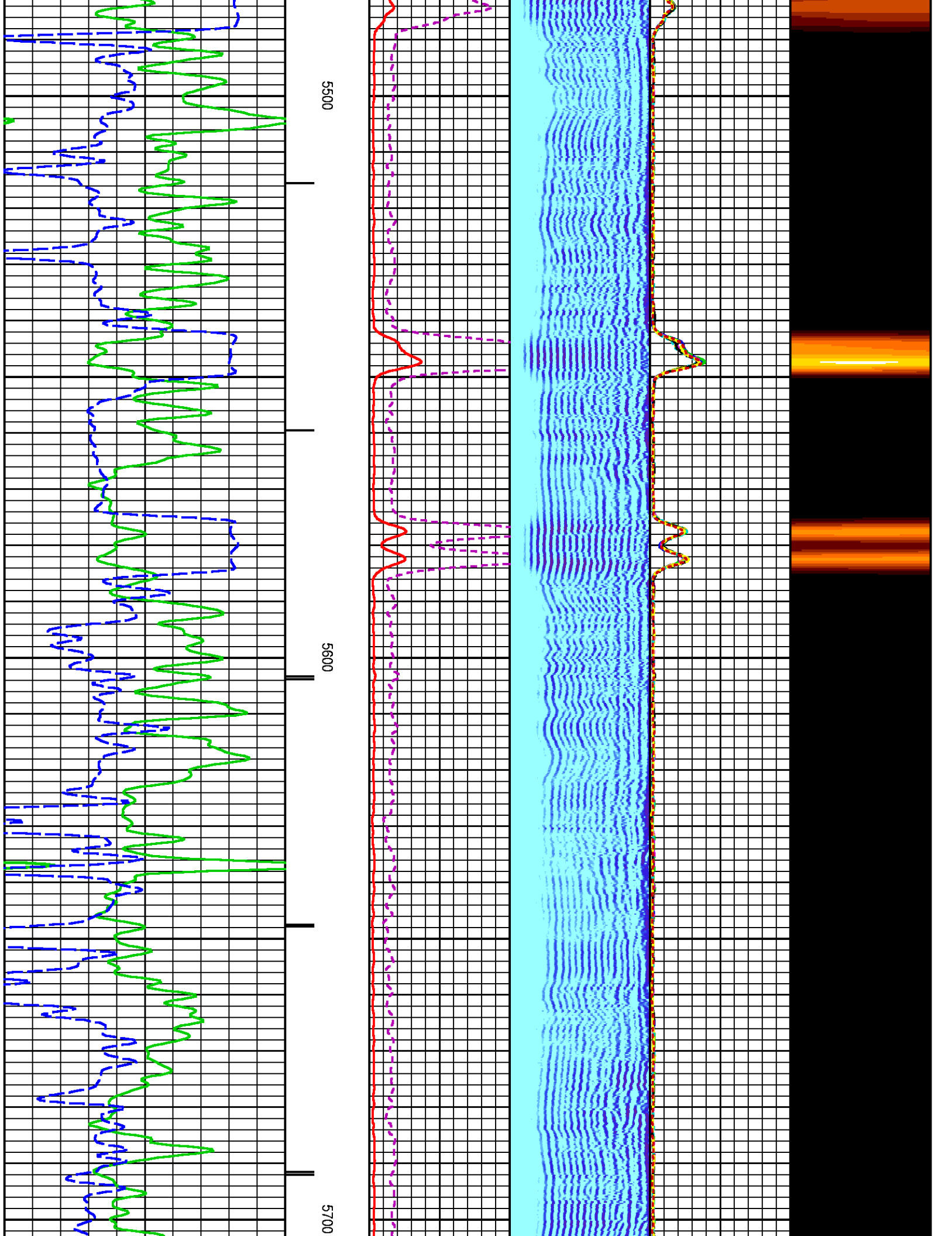


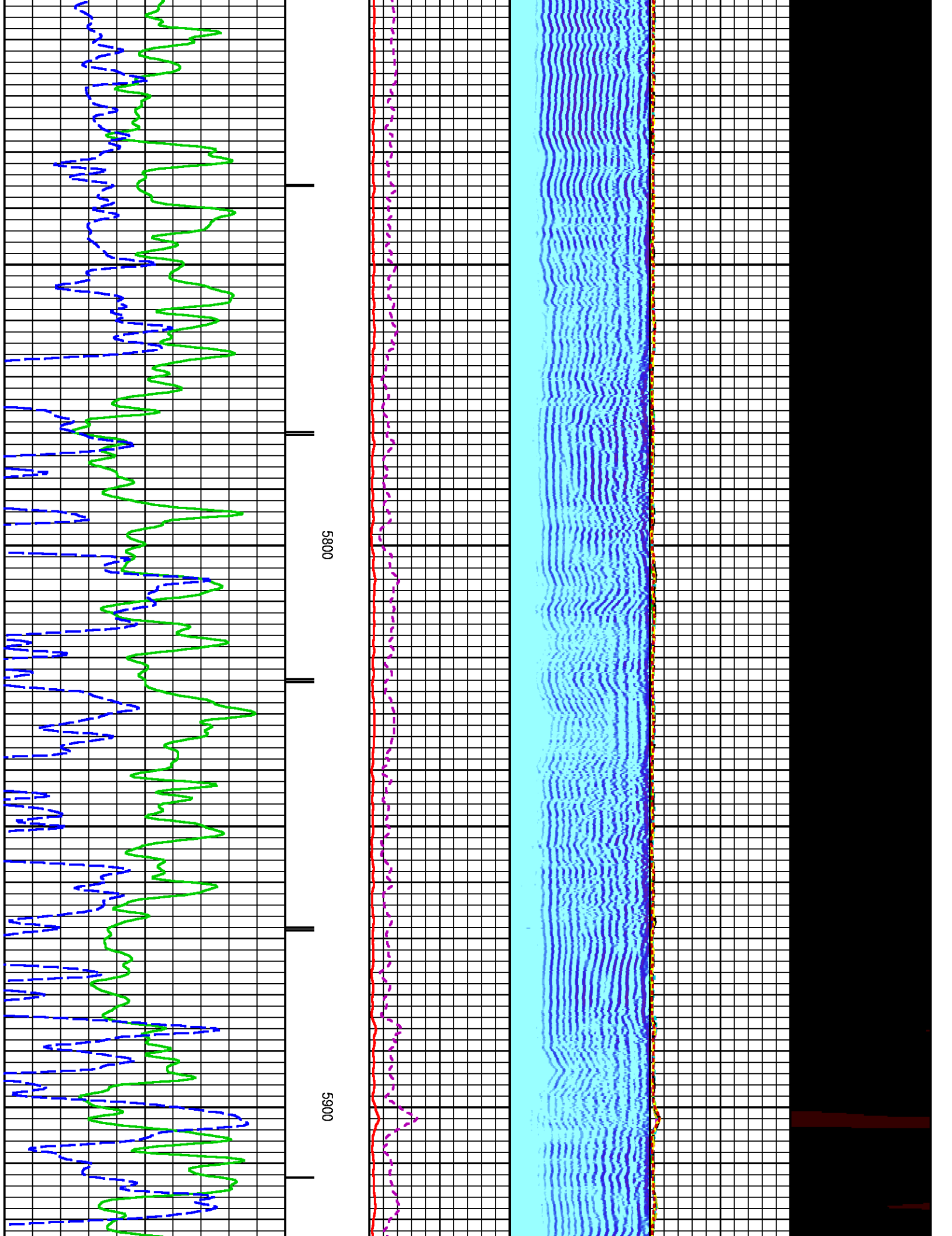


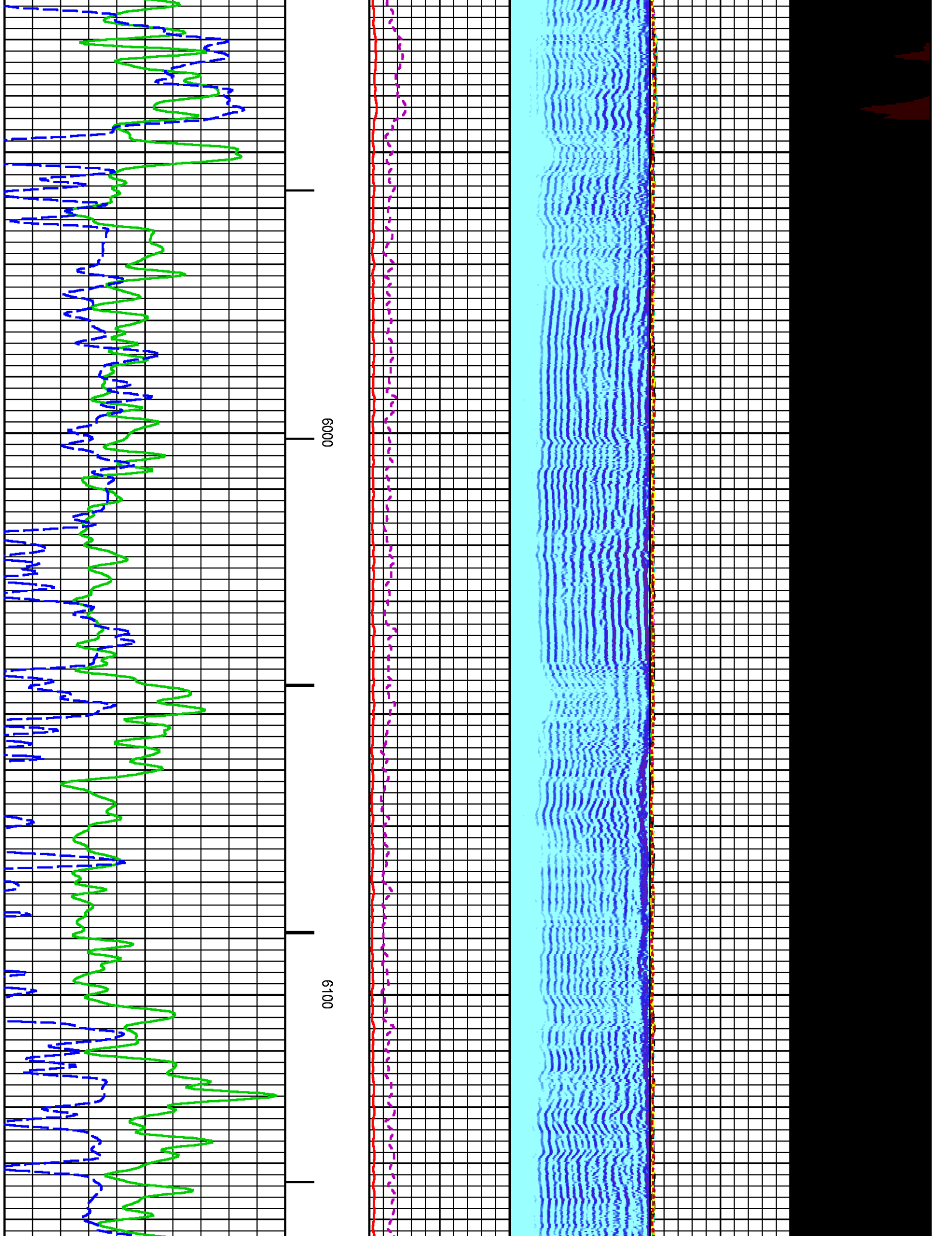


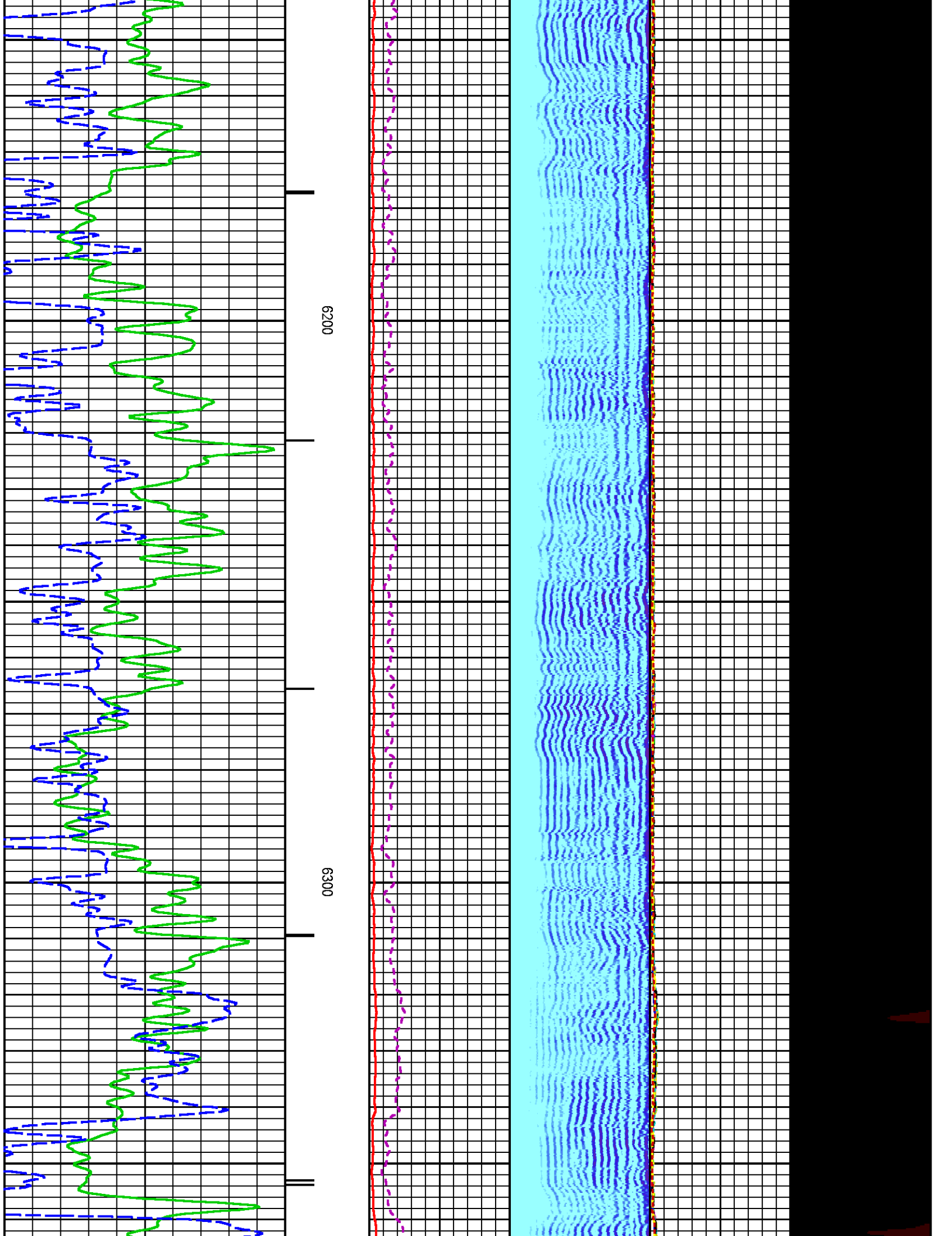


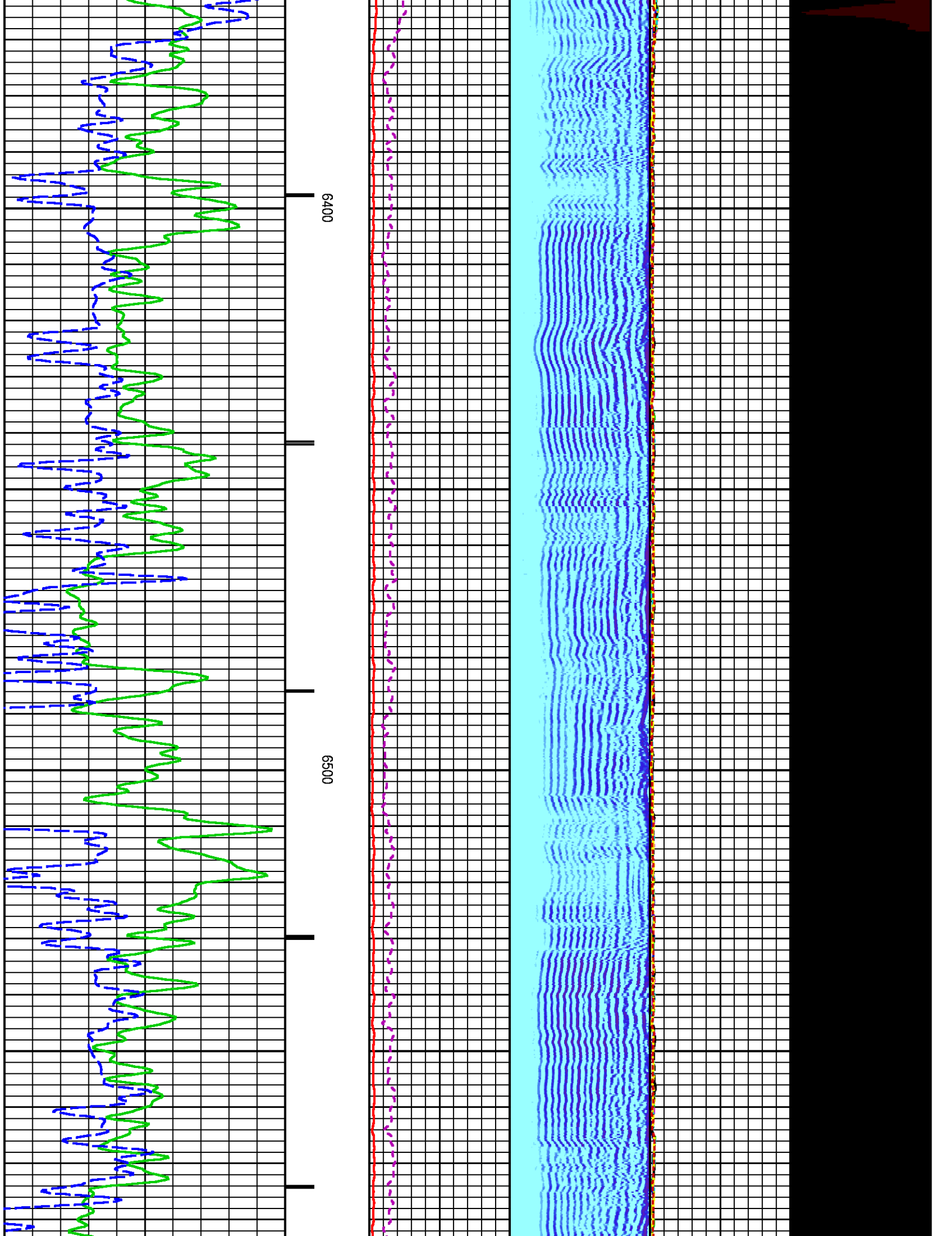


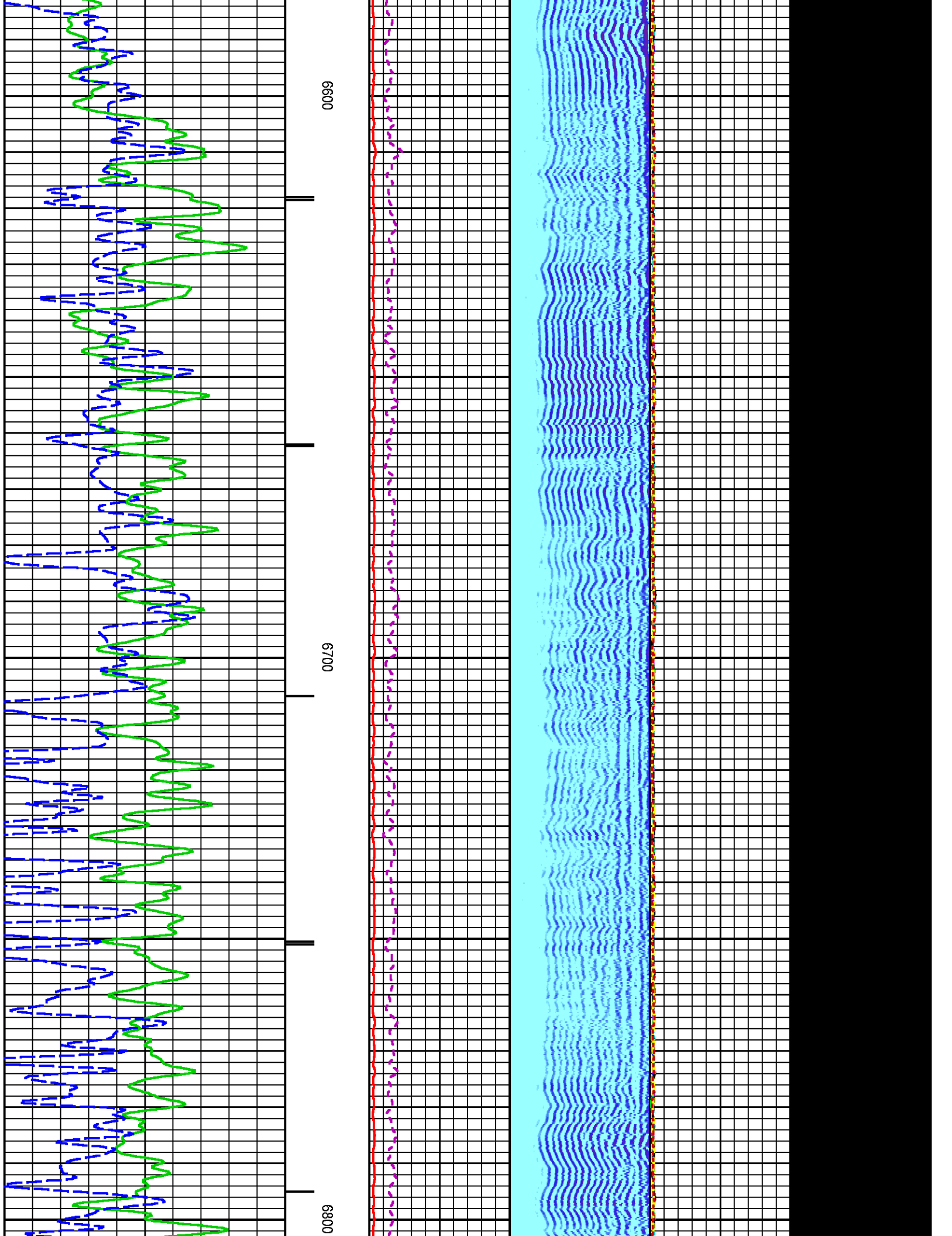


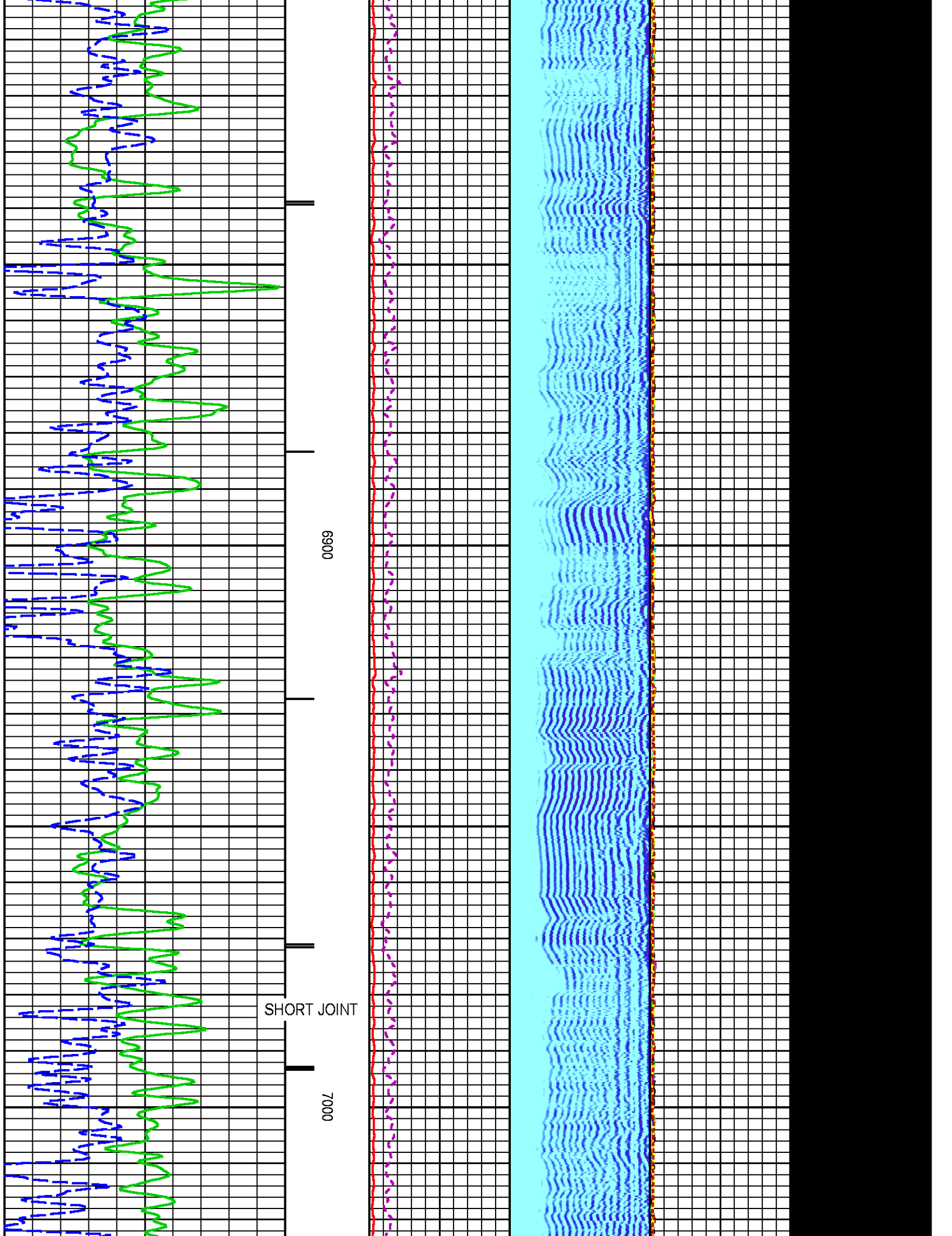


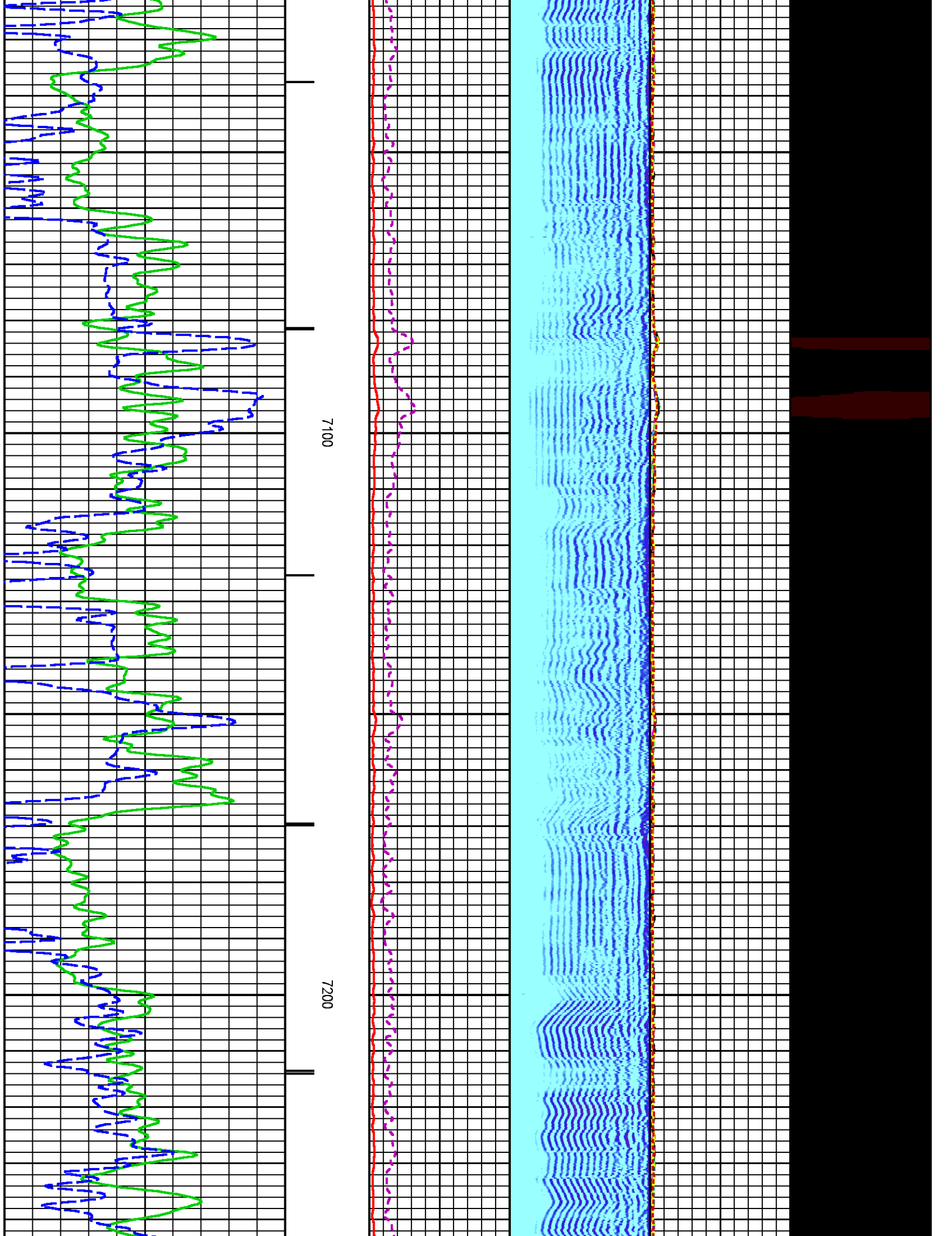


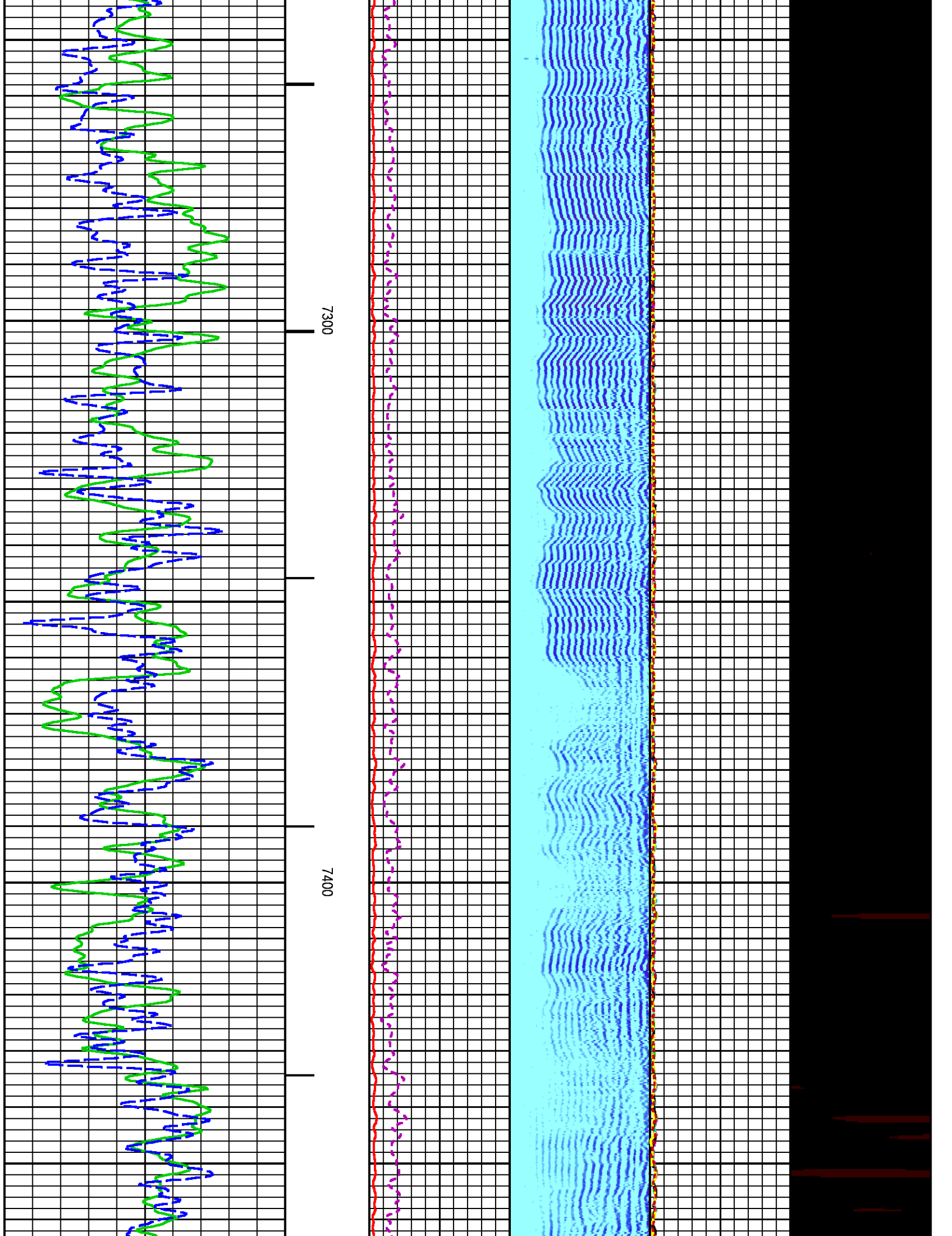


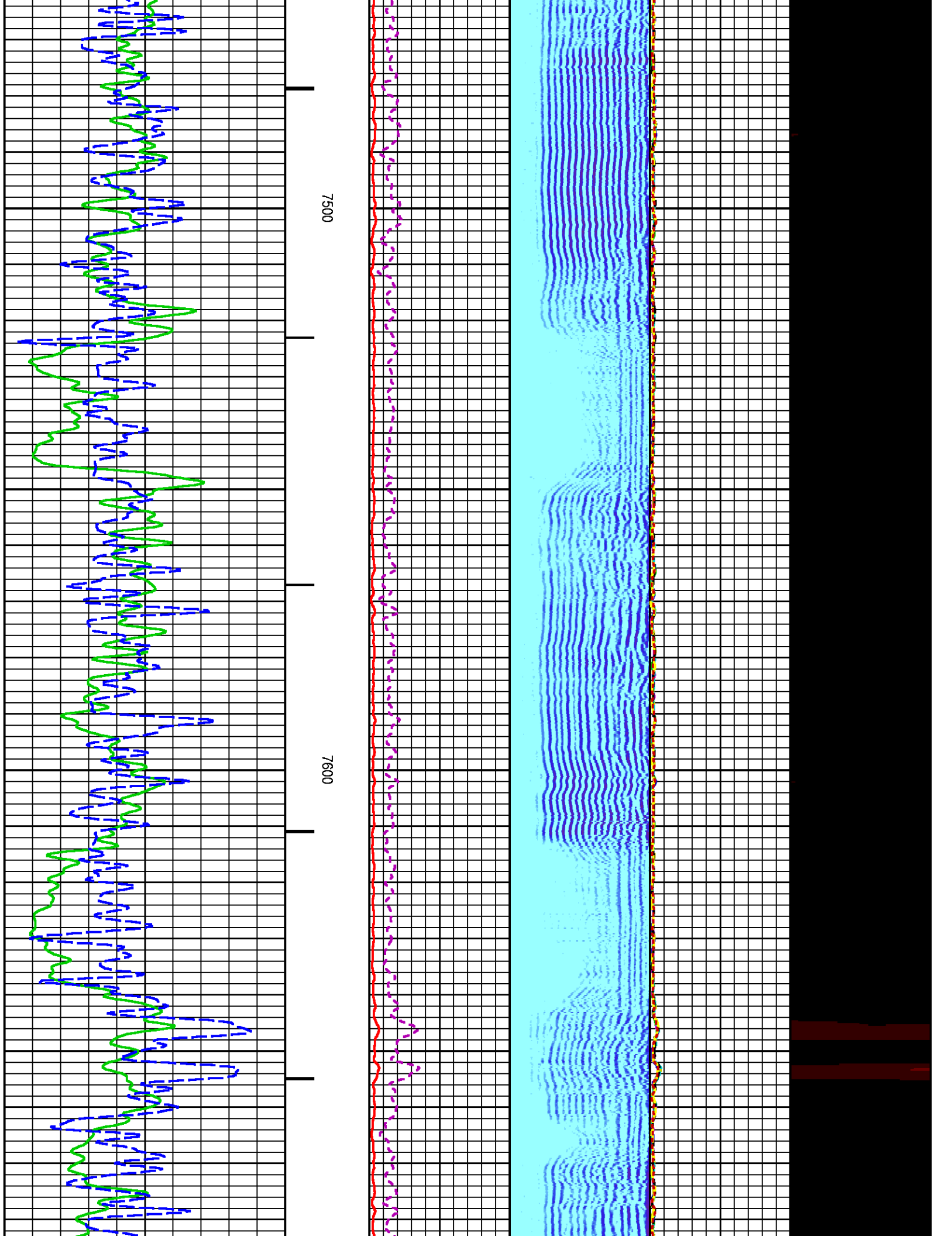


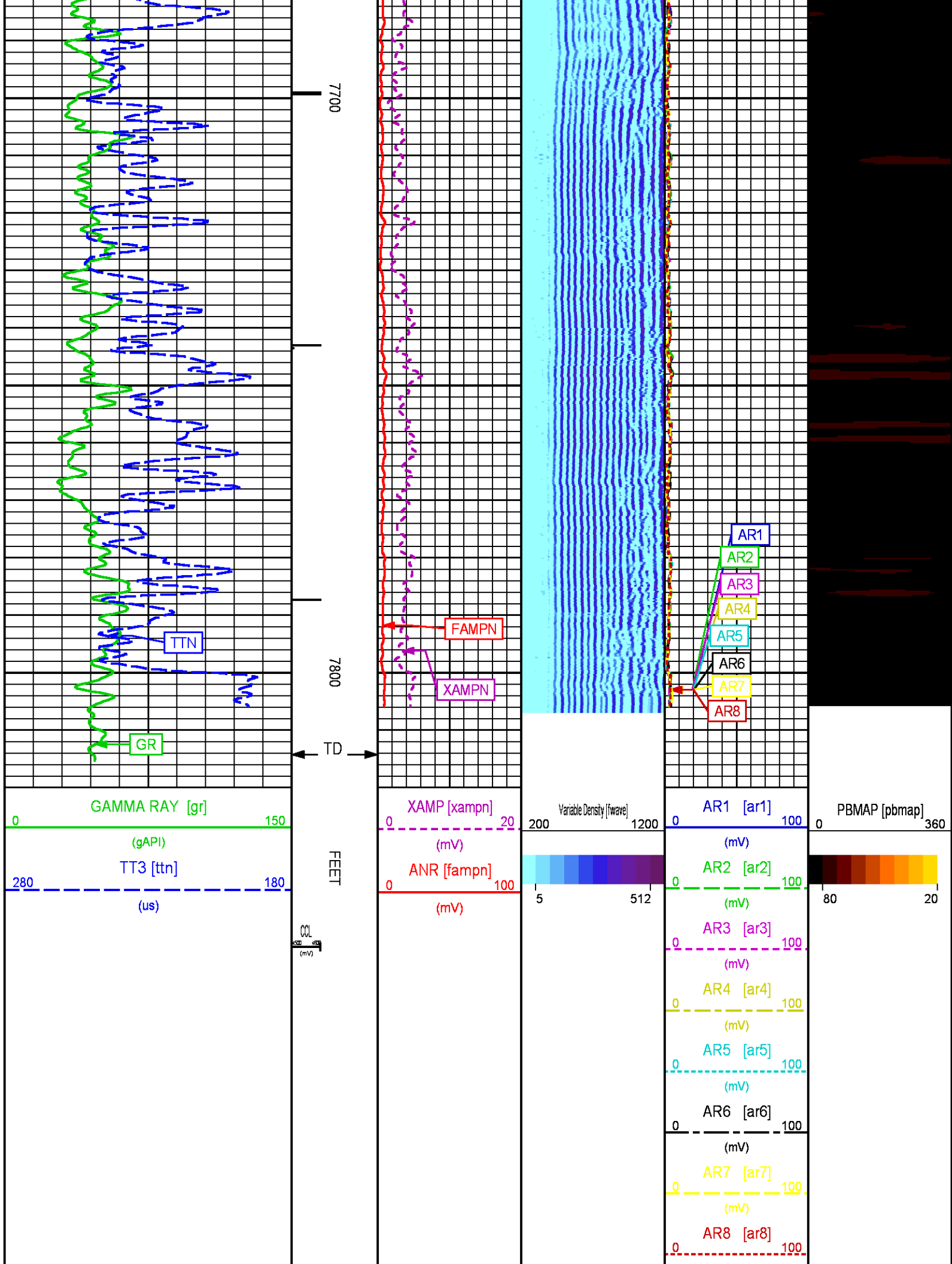












REPEAT PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 6

Plotted: Sat Apr 11 09:44:28 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH095881/n012g01.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 7575.500 ft BOTTOM DEPTH: 7825.500 ft

SYMMETRIC FILTER

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|------------------|------------|------------|-------|---------------|--------|
| GR | FILTER () | medium (1) | | TOP | BOTTOM |
| AMPLITUDE | FILTER () | medium (1) | | " | " |
| TRAVEL TIME | FILTER () | medium (1) | | " | " |

RAL CCL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|------------------|-----------|-------|-------|---------------|--------|
| CCL FLOOR | CCL FLOOR | 0 | | TOP | BOTTOM |

ANALOG RAL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|---------------------------|----------------------------|---------|-------|---------------|--------|
| AMPLITUDE WINDOW (NEAR) | AMP WINDOW START (fgp1*) | 187 | us | TOP | BOTTOM |
| | AMP WINDOW START (fgp2*) | 187 | us | " | " |
| | AMP WINDOW START (fgp3*) | 187 | us | " | " |
| | AMP WINDOW START (fgp4*) | 187 | us | " | " |
| | AMP WINDOW START (fgp5*) | 187 | us | " | " |
| | AMP WINDOW START (fgp6*) | 187 | us | " | " |
| | AMP WINDOW START (fgp7*) | 187 | us | " | " |
| | AMP WINDOW START (fgp8*) | 187 | us | " | " |
| | AMP WINDOW START (fgpn*) | 187 | us | " | " |
| | AMP WINDOW LENGTH | 25 | us | " | " |
| TRAVEL TIME WINDOW (NEAR) | TT WINDOW START (ttn*) | 174 | us | " | " |
| | TT WINDOW LENGTH | 500 | us | " | " |
| | FIRST BRK THRESHOLD (ttn*) | 4 | mV | " | " |
| RAL CASING PARAMETERS | PPT NEAR | 200.391 | us | " | " |
| RAL TOOL DELAY | TOOL DELAY (str1*) | -68 | us | " | " |
| | TOOL DELAY (str2*) | -68 | us | " | " |
| | TOOL DELAY (str3*) | -68 | us | " | " |
| | TOOL DELAY (str4*) | -68 | us | " | " |
| | TOOL DELAY (str5*) | -68 | us | " | " |
| | TOOL DELAY (str6*) | -68 | us | " | " |
| | TOOL DELAY (str7*) | -68 | us | " | " |
| | TOOL DELAY (str8*) | -68 | us | " | " |
| | TOOL DELAY (strn*) | -68 | us | " | " |
| BASELINE NOISE (NEAR) | NOISE WINDOW START | 128 | us | " | " |
| | NOISE WINDOW LENGTH | 25 | us | " | " |

PERCENT BOND CEMENT MAP

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|-------------------------|----------------|-------|-------|---------------|--------|
| RAL FREE PIPE AMPLITUDE | FREE AMP REC 1 | 80 | mV | TOP | BOTTOM |
| | FREE AMP REC 2 | 80 | mV | " | " |
| | FREE AMP REC 3 | 80 | mV | " | " |
| | FREE AMP REC 4 | 80 | mV | " | " |
| | FREE AMP REC 5 | 80 | mV | " | " |

| | | | | | |
|-------------------------|---------------------|----|----|---|---|
| | FREE AMP REC 6 | 80 | mV | " | " |
| | FREE AMP REC 7 | 80 | mV | " | " |
| | FREE AMP REC 8 | 80 | mV | " | " |
| RAL FULL BOND AMPLITUDE | FULL BOND AMP REC 1 | 2 | mV | " | " |
| | FULL BOND AMP REC 2 | 2 | mV | " | " |
| | FULL BOND AMP REC 3 | 2 | mV | " | " |
| | FULL BOND AMP REC 4 | 2 | mV | " | " |
| | FULL BOND AMP REC 5 | 2 | mV | " | " |
| | FULL BOND AMP REC 6 | 2 | mV | " | " |
| | FULL BOND AMP REC 7 | 2 | mV | " | " |
| | FULL BOND AMP REC 8 | 2 | mV | " | " |

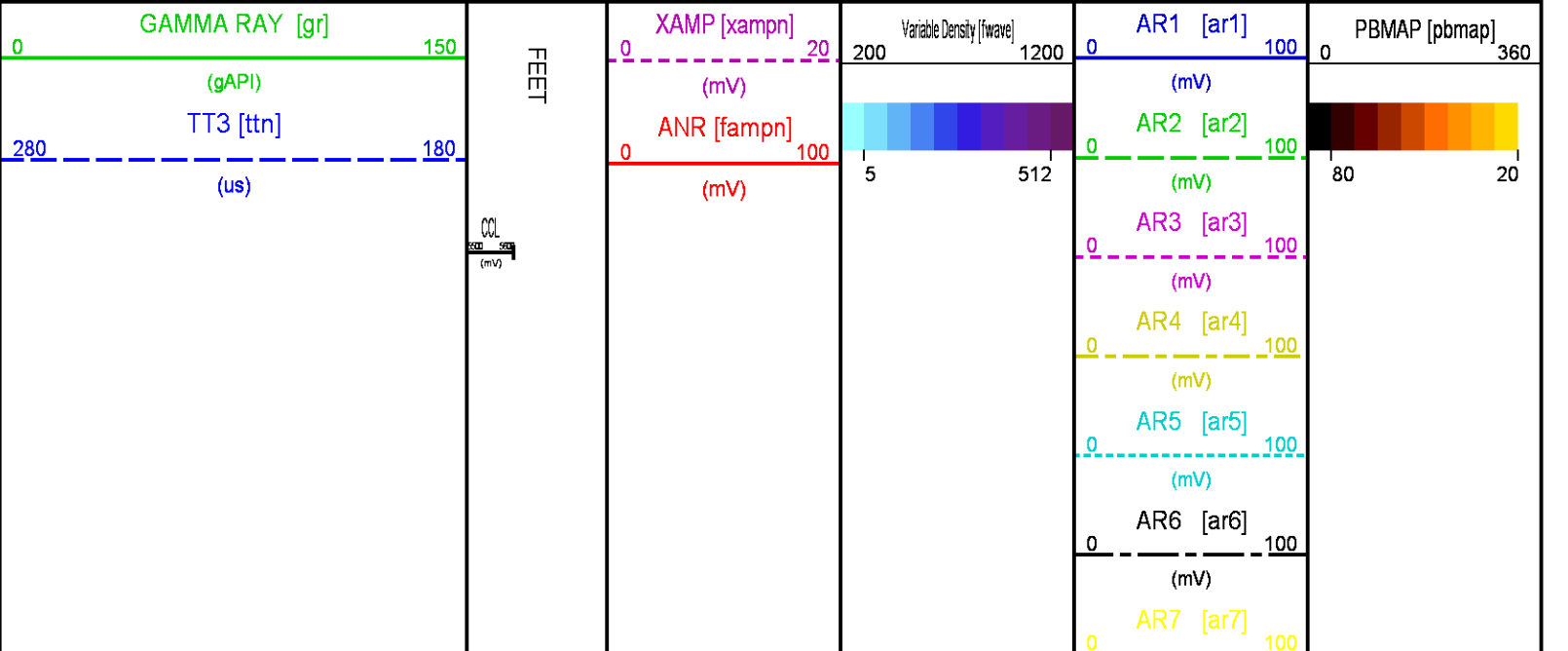
CURVE DESCRIPTION REPORT

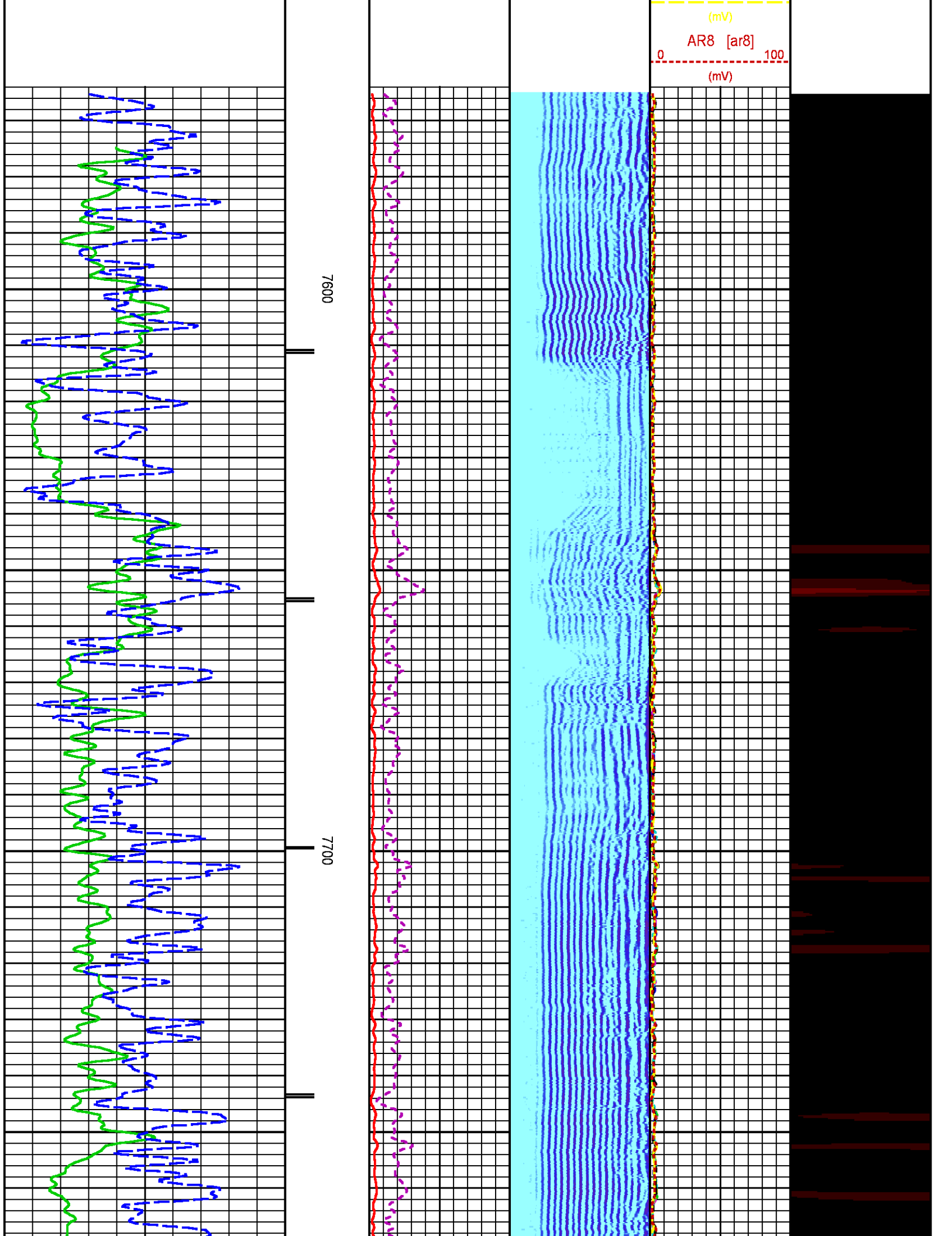
| CURVE NAME | CREATION DATE | CURVE DESCRIPTION |
|------------|----------------------|---|
| F1:AR1 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R1 |
| F1:AR2 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R2 |
| F1:AR3 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R3 |
| F1:AR4 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R4 |
| F1:AR5 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R5 |
| F1:AR6 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R6 |
| F1:AR7 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R7 |
| F1:AR8 | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE T-R8 |
| F1:CCL | Apr 11 09:06:01 2015 | CASING COLLAR LOCATOR |
| F1:FAMPN | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | Apr 11 09:06:01 2015 | FAR WAVE FORM |
| F1:GR | Apr 11 09:06:01 2015 | GAMMA RAY |
| F1:PBMAP | Apr 11 09:06:01 2015 | PERCENT BOND CEMENT MAP |
| F1:TTN | Apr 11 09:06:01 2015 | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | Apr 11 09:06:01 2015 | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

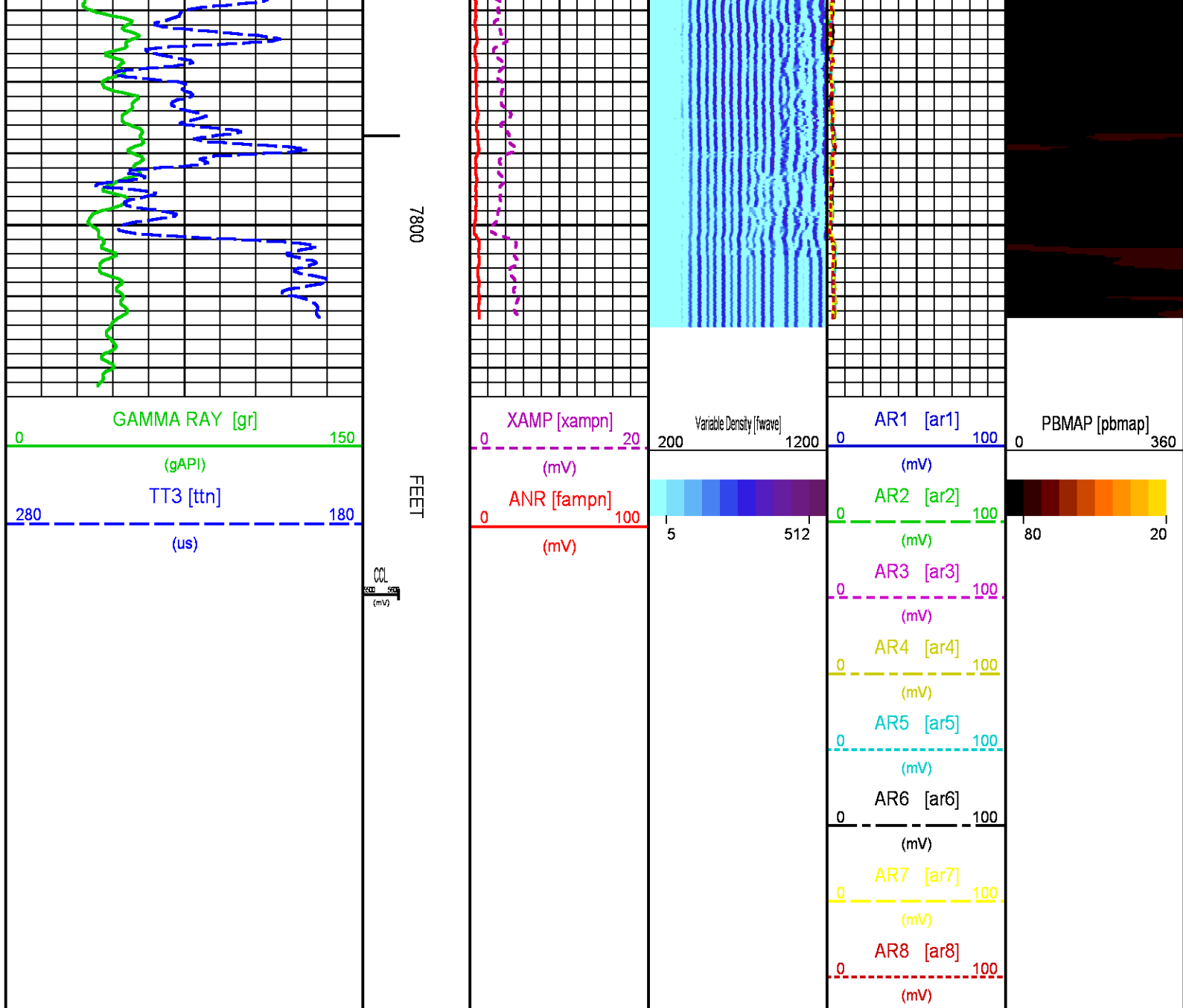
CURVE MEASURE POINT OFFSET

| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| AR1 | 11.25 | AR5 | 11.25 | CCL | 5.75 | XAMPN | 11.25 |
| AR2 | 11.25 | AR6 | 11.25 | FAMPN | 11.25 | | |
| AR3 | 11.25 | AR7 | 11.25 | GR | 1.75 | | |
| AR4 | 11.25 | AR8 | 11.25 | TTN | 11.25 | | |

| | |
|---------------|---|
| Presentation | : cas6685:/dat1a/CH095881/CBLREPEAT.fvpdf [5"/100' Scale] |
| Plot Interval | : 7565 - 7824.25 Feet |
| Data File 1 | : F1 : cas6685:/dat1a/CH095881/CBL_REPEAT_12W.xtf |
| Created On | : Apr 11 09:06:01 2015 |
| Company | : LARAMIE ENERGY |
| Well | : PICEANCE 28-12W |
| Field | : VEGA |
| File Interval | : 7564 - 7825.5 Feet |
| OCT | : n012g |







CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH095881/n012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218496

DATE/TIME PERFORMED: Thu Apr 9 07:43:12 2015

UNIT #: 3885TC 6685

| | NEAR (mV) | RADIAL (mV) | FAR (mV) |
|---------|--------------|----------------|-------------|
| TARGETS | 100.00 | 100.00 | 150.00 |

| | NEAR | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | FAR | CAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|
| ZERO (mV) | 0.04 | 0.06 | 0.05 | 0.05 | 0.03 | 0.10 | 0.06 | 0.03 | 0.08 | 0.50 | 0.04 |

| | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| AMP FLUID (mV) | 62 | 63 | 63 | 63 | 62 | 62 | 62 | 62 | 62 | 84 | 62 |
| TT (us) | 216 | 215 | 215 | 215 | 215 | 216 | 216 | 215 | 216 | 323 | 215 |
| M FACTOR | 1.60 | 1.59 | 1.59 | 1.59 | 1.61 | 1.62 | 1.61 | 1.61 | 1.61 | 1.80 | 1.62 |

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218496 DATE/TIME PERFORMED: Sat Apr 11 08:35:27 2015 DAYS SINCE CAL: 2

UNIT #: 3885TC 6685 CABLE #: 6685lg 53420c1

| | | | | | | | | | | | |
|---------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| | NEAR (mV) | R1 (mV) | R2 (mV) | R3 (mV) | R4 (mV) | R5 (mV) | R6 (mV) | R7 (mV) | R8 (mV) | FAR (mV) | CAL (mV) |
| ZERO | 0.10 | 0.09 | 0.08 | 0.11 | 0.11 | 0.05 | 0.07 | 0.08 | 0.09 | 0.15 | 0.03 |
| AMP AIR | 2.73 | 1.16 | 1.41 | 1.62 | 1.62 | 1.67 | 1.95 | 1.56 | 1.15 | 1.91 | 98.67 |

| | | |
|------------------|------------------|--------------------|
| SHOP M FACTOR | SHOP A FACTOR | WIRELINE FACTOR |
| 1.62 | 0.00 | 1.01 |

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 11871506 DATE/TIME PERFORMED: Wed Apr 1 14:38:54 2015

UNIT #: 3885TC 6685 CALB JIG #: 4702NK WA-612

| | | | | | | | |
|----|---------------------|---------------------|--------------------|-------|----------------------|----------------------|-------------------|
| | BACKGROUND (cts) | CALBRTR ON (cts) | CR DIFF (cts/s) | MULT | BACKGROUND (gAPI) | CALBRTR ON (gAPI) | CALBRTR (gAPI) |
| GR | 81.73 | 371.60 | 289.9 | 0.638 | 52.16 | 237.16 | 185 |

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 11871506 DATE/TIME PERFORMED: Wed Apr 1 14:40:00 2015

UNIT #: 3885TC 6685 VERI JIG #: 4702NK WA-612

| | | | | | | |
|----|---------------------|---------------------|-------|----------------------|----------------------|------------------|
| | BACKGROUND (cts) | CALBRTR ON (cts) | MULT | BACKGROUND (gAPI) | CALBRTR ON (gAPI) | DIFF. (gAPI) |
| GR | 85.92 | 377.20 | 0.638 | 54.83 | 240.74 | 185.91 |
| | | | | | | 175.00 195.00 |

INSTRUMENT CONFIGURATION

20.38'

CABLEHEAD
Diameter : 2.75"
Length : 2.25"
Weight : 10 lbs
Series : CABL234



Source File: /dat1a/CH095881/CBL-tdg

RADIAL BOND TOOL

Diameter : 2.75"
 Length : 11.17'
 Weight : 126 lbs
 Series : 1426XA
 Mnemonic : RAL
 Measure Point: 4.21': NEAR RCVR
 Measure Point: 3.25': FAR RCVR

NEAR RCVR 11.17'

FAR RCVR 10.21'

RAL GR/TEMP/CCL/CHV DETECTOR


Diameter : 2.75"
 Length : 6.96'
 Weight : 85 lbs
 Series : 1355XA
 Mnemonic : RAL
 Measure Point: 5.79': CCL
 Measure Point: 1.67': GR
 Measure Point: 0.17': TEMP

CCL 5.79'

GR 1.67'

TEMP 0.17'

TOTAL LENGTH: 20.38'
 TOTAL WEIGHT: 235 lbs
 MAX DIAMETER: 0'4.00"

| | | | |
|--|--------------------------------------|--|---|
|  | COMPANY <u>LARAMIE ENERGY</u> | | FILE NO: <u>CH095881</u> |
| | WELL <u>PICEANCE 28-12W</u> | | API NO: <u>05077099540000</u> |
| | FIELD <u>VEGA</u> | STATE <u>COLORADO</u> | |
| | COUNTY <u>MESA</u> | | |
| LOCATION: SHL: 2493' FSL 1602' FWL BHL: 1878' FSL 880' FWL | | ELEVATIONS: KB 7602 FT DF GL 7580 FT | SEC 28 T9S R93W PAD 28-11 PATTERSON 306 |
| SEC <u>28</u> TWP <u>9S</u> RGE <u>93W</u> | | DATE <u>11-Apr-2015</u> | |