



SECUREVIEW  
ULTRAVIEW / BONDVIEW  
LOG

WELL NORTH PLATTE 11-14-28 HNC

FIELD  
WATTENBERGPROVINCE/COUNTY **WELD**COUNTRY/STATE  
US / COLORADO

LOCATION	1434' F-SL	1404' F-WL
1	1434' F-SL	1404' F-WL

SEC	TWP	RGE	Other Services
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Longitude

API Number	05-123-4/010
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Permanent Datum GL, Elevation 4553 feet

## Drilling Measured From KB

Date 17-OCT-2018

Run Number ONE

Service Order 18188-22

Type Log	URS/CBT
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Depth Driller	11690.00	feet
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Depth Logger	6133.00	feet
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Top Log Interval	0.00	feet
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Bottom Log Interval	6133.00	feet
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Hole Fluid Type	Waller
Water	100%
Oil	0%
Gas	0%
Other	0%

Hole Fluid Level	0.00	1000
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Resiliencia ID	4.09Z	III
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100.00	100.00
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AVCII I leadd I lecsdalc	0.00
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[illegible]

Case no.	Case no.
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7	8
9	10
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97	98
99	100

[illegible][illegible]

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98	98
99	99

מחיר	100
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Witnessed by	KORI D.
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	feet
Elevations:	
KB	4570.00
DF	4570.00
GL	4553.00

## CASING / TUBING RECORD

Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
CASING	J-55	LT&C	9.625	0.00	1629.00	36.00
CASING	P-110	LT&C	5.500	0.00	11680.00	17.00

## REMARKS

- SECUREVIEW ULTRAVIEW BONDVIEW LOG CORRELATED TO RIG KB @17.0 FT ABOVE GROUND LEVEL.

- 100% STANDARD FREE PIPE AMPLITUDE IN 5.5 INCH CASING IS 72 mV

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

# MAIN LOG

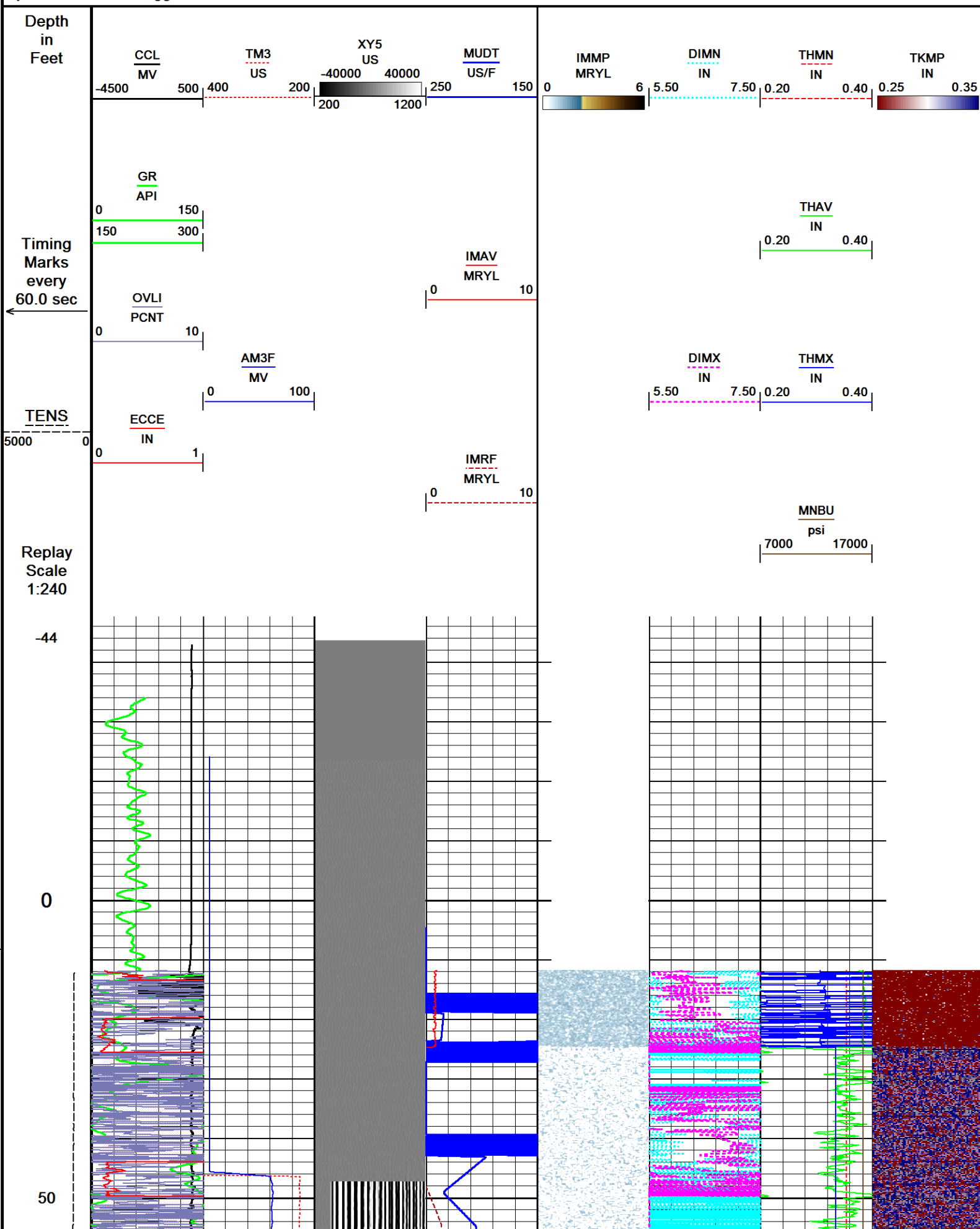
Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 22-OCT-2018 13:41

Filename: C:\WLS\BONANZA CREEK\NORTH PLATTE 11-14-28 HNC\URS MAIN PASS\_002.dta

Recorded on 17-OCT-2018 21:20

System Versions: Logged with 18.03.9328 Plotted with 18.03.9328

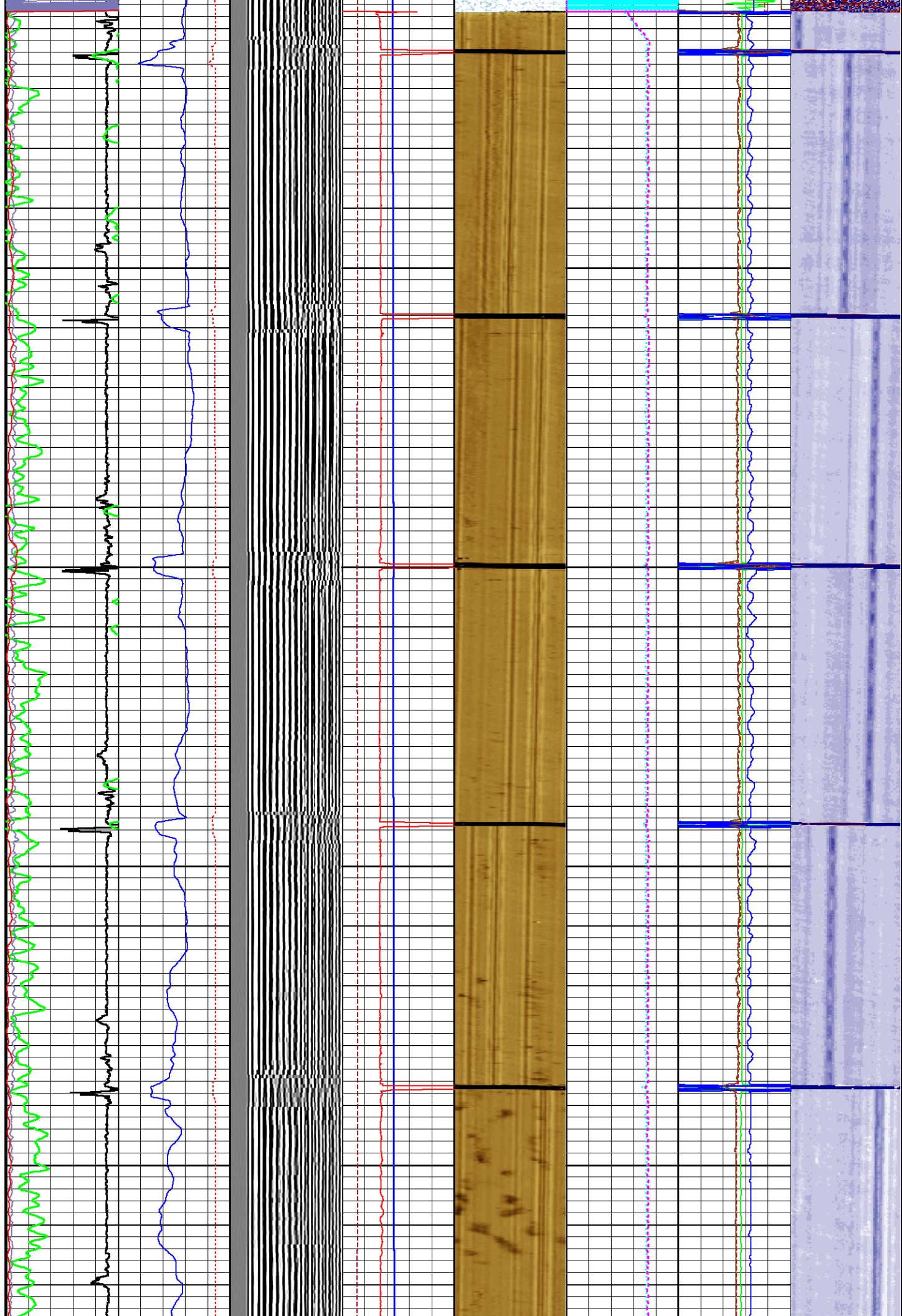


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150

200

250

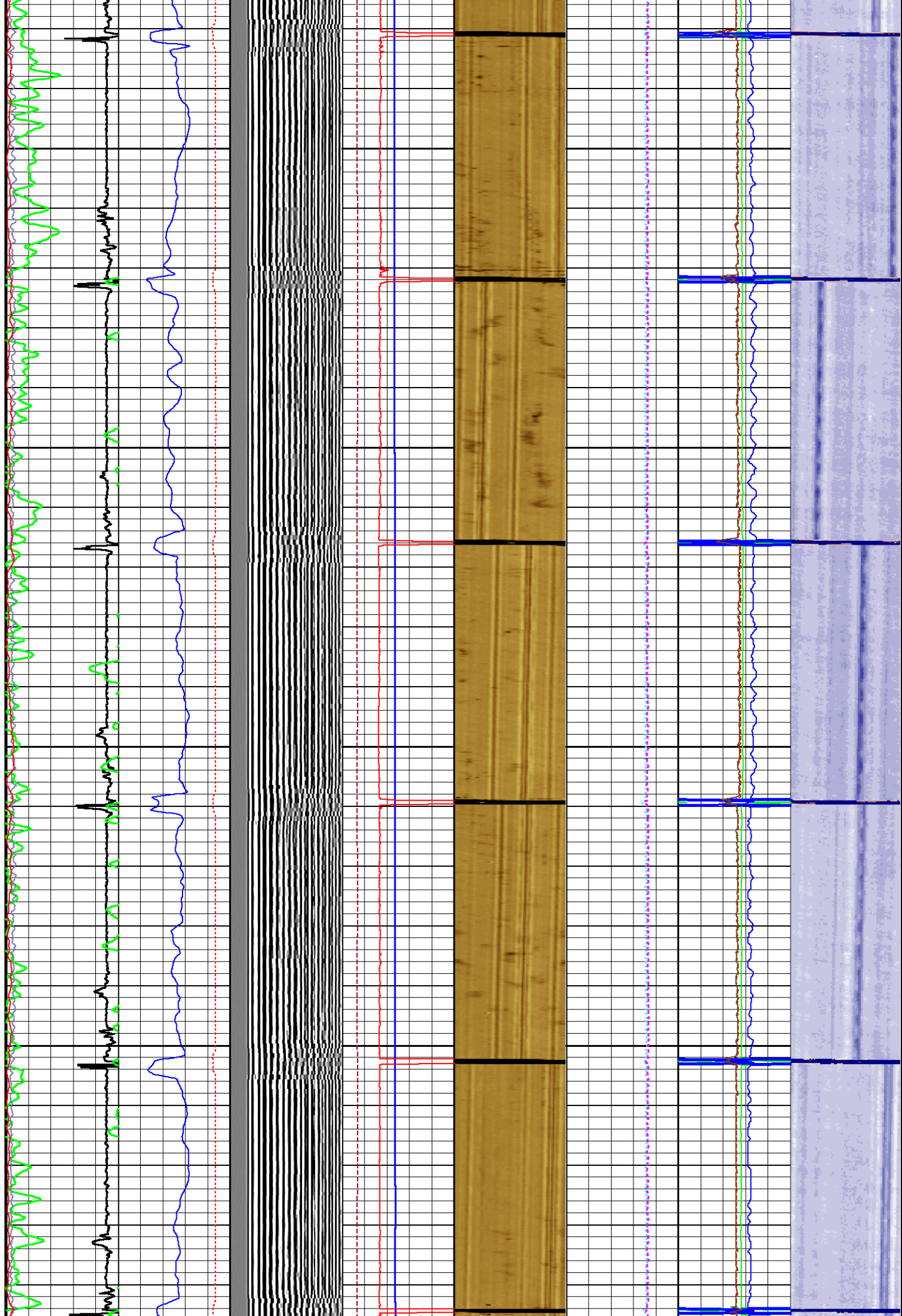


300

350

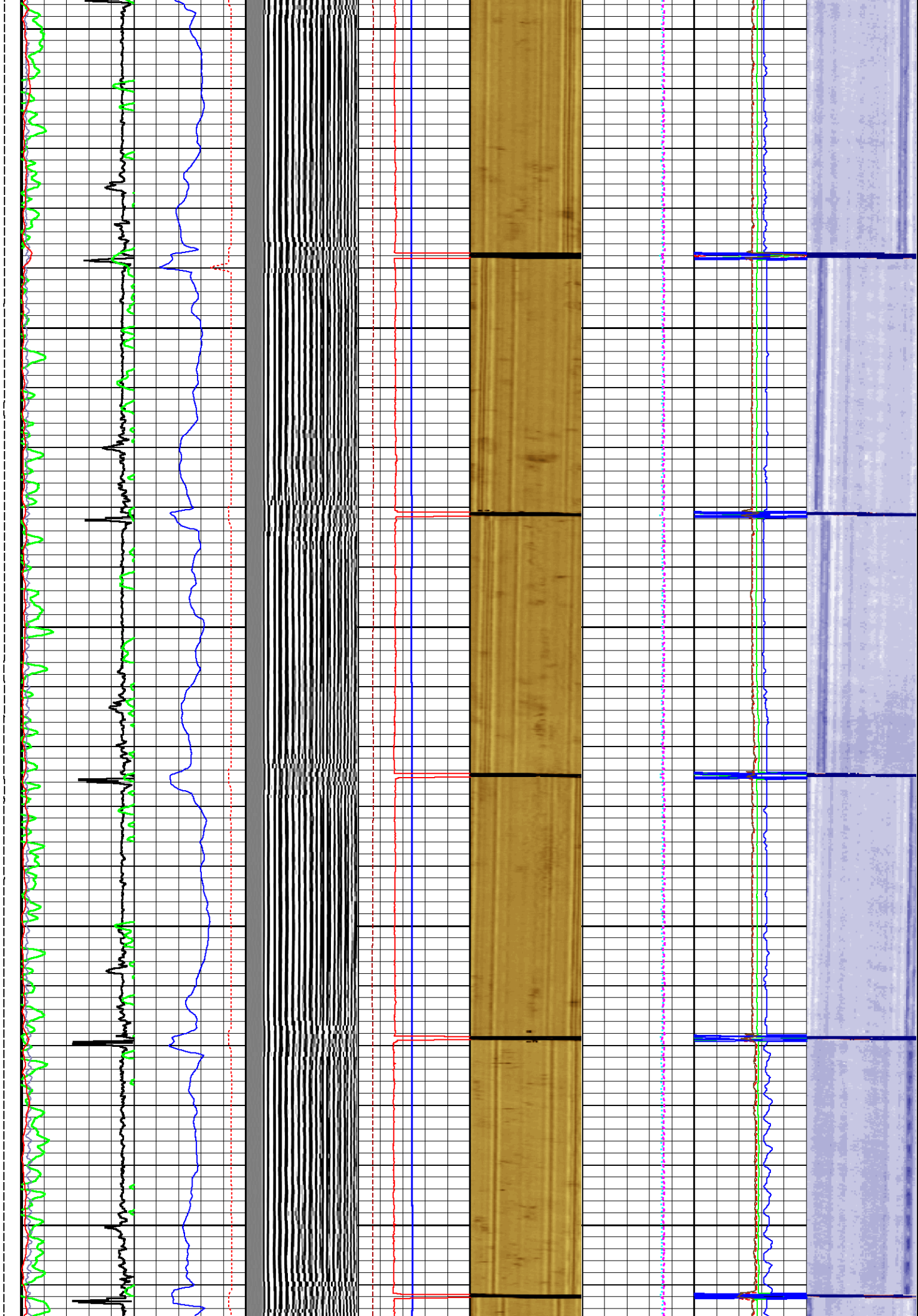
400

450





500  
550  
600  
650  
700

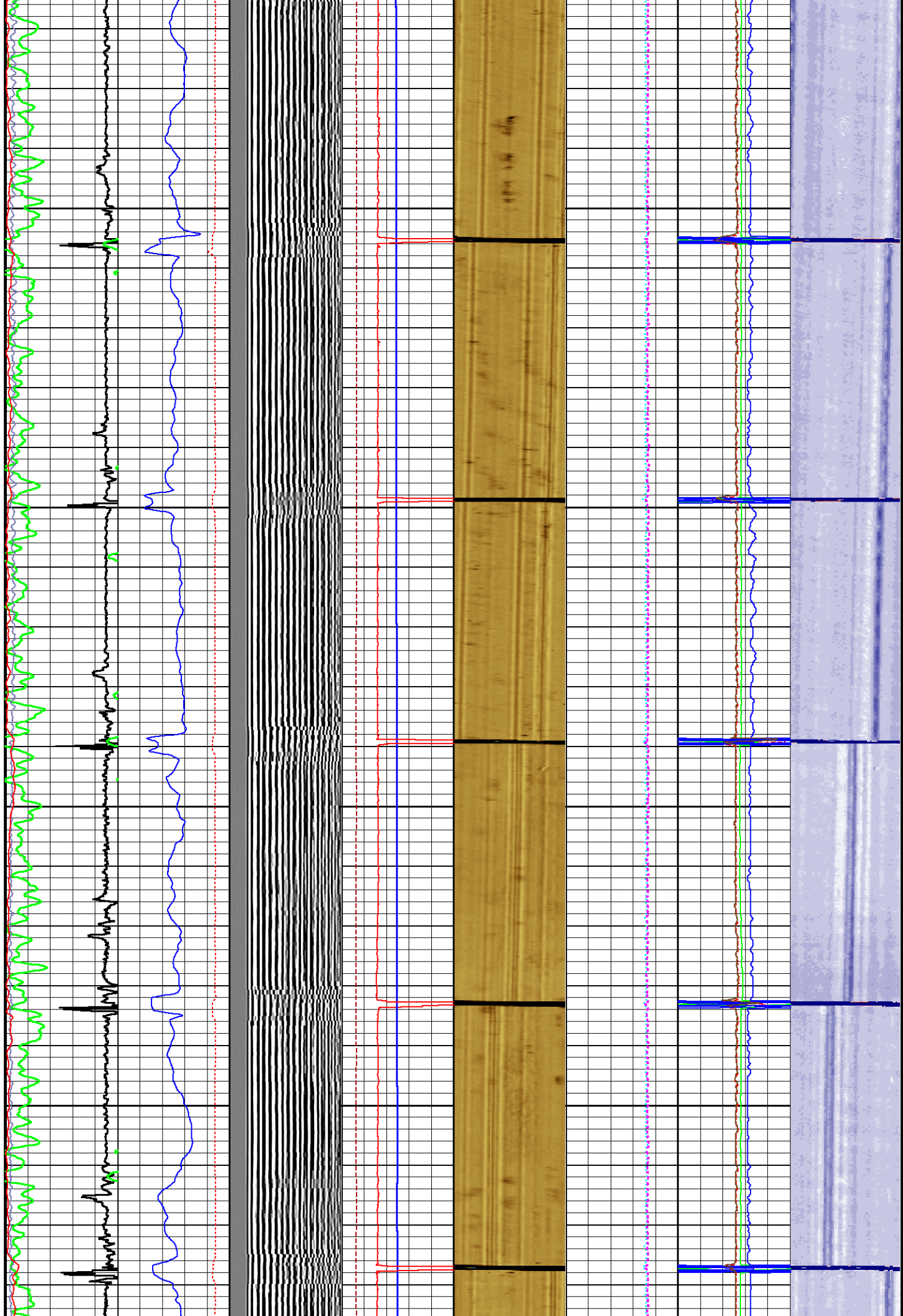


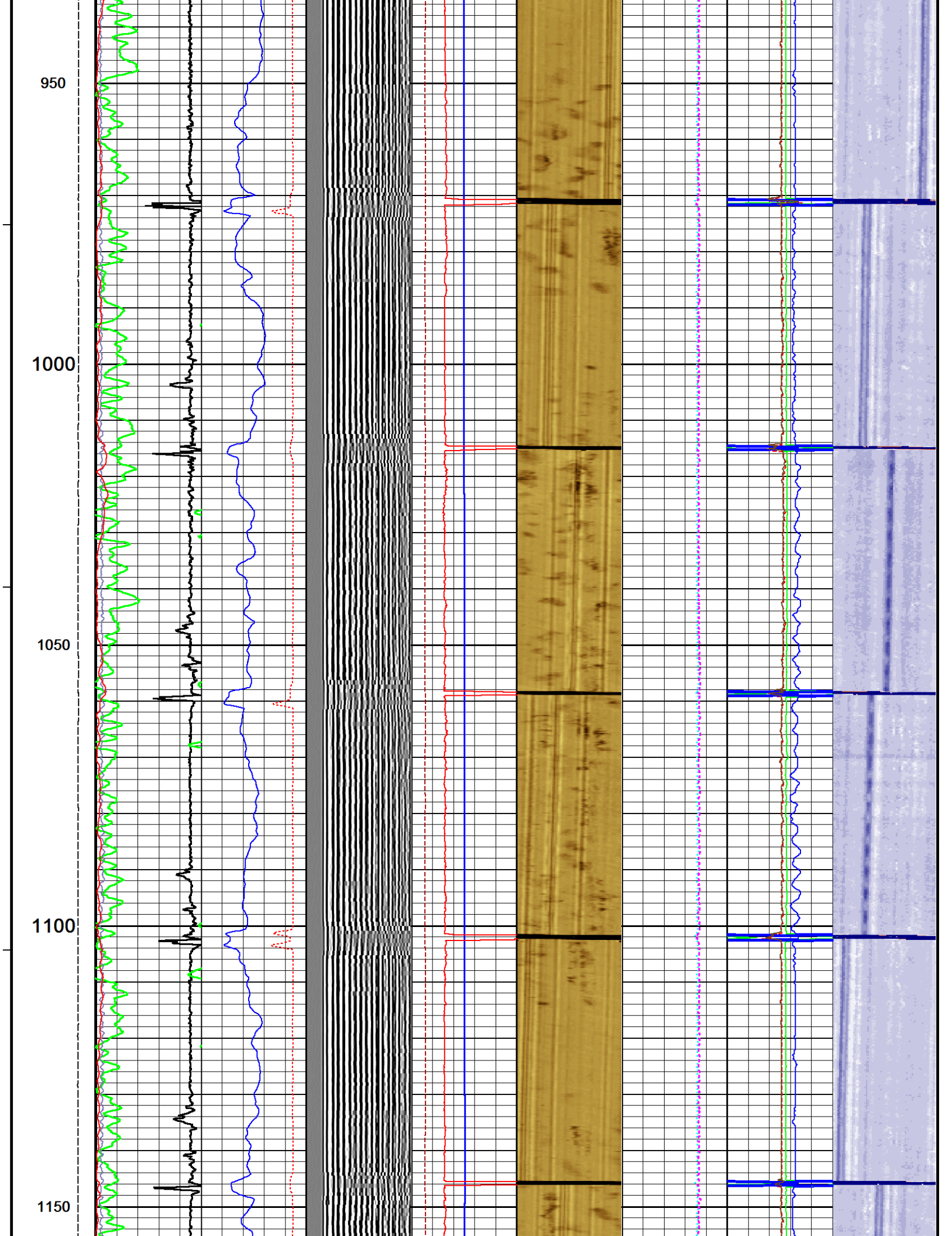
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800

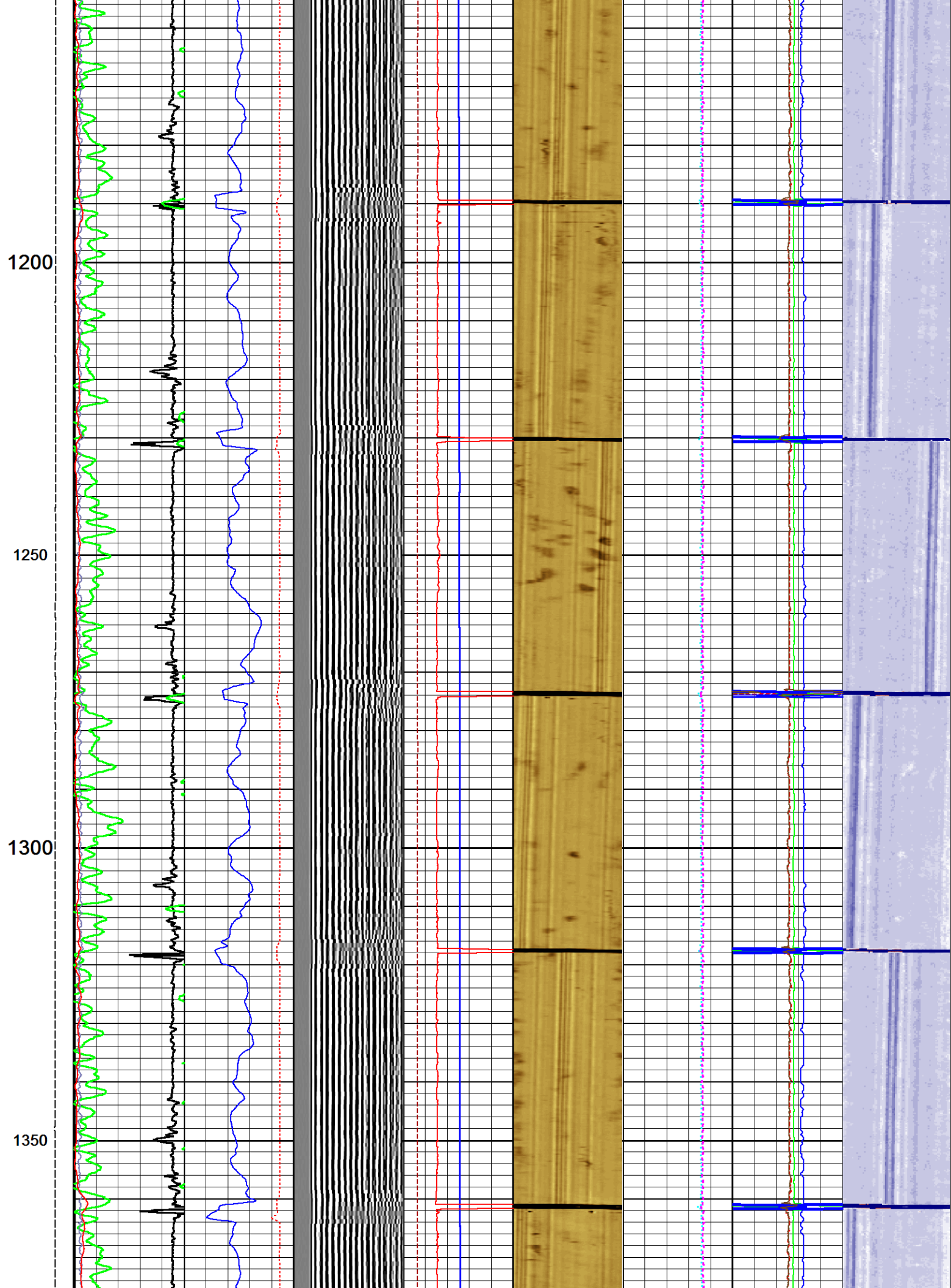
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900

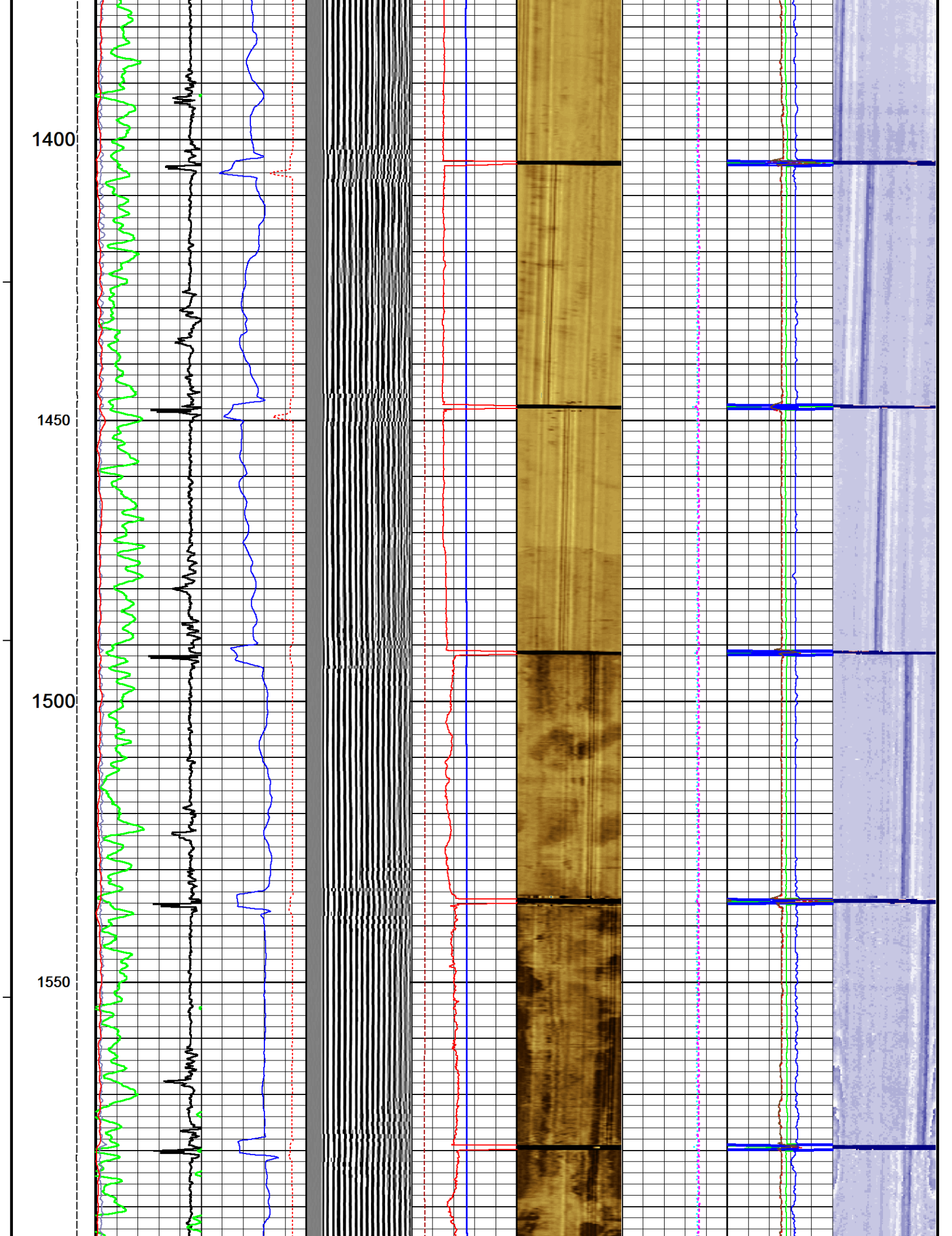


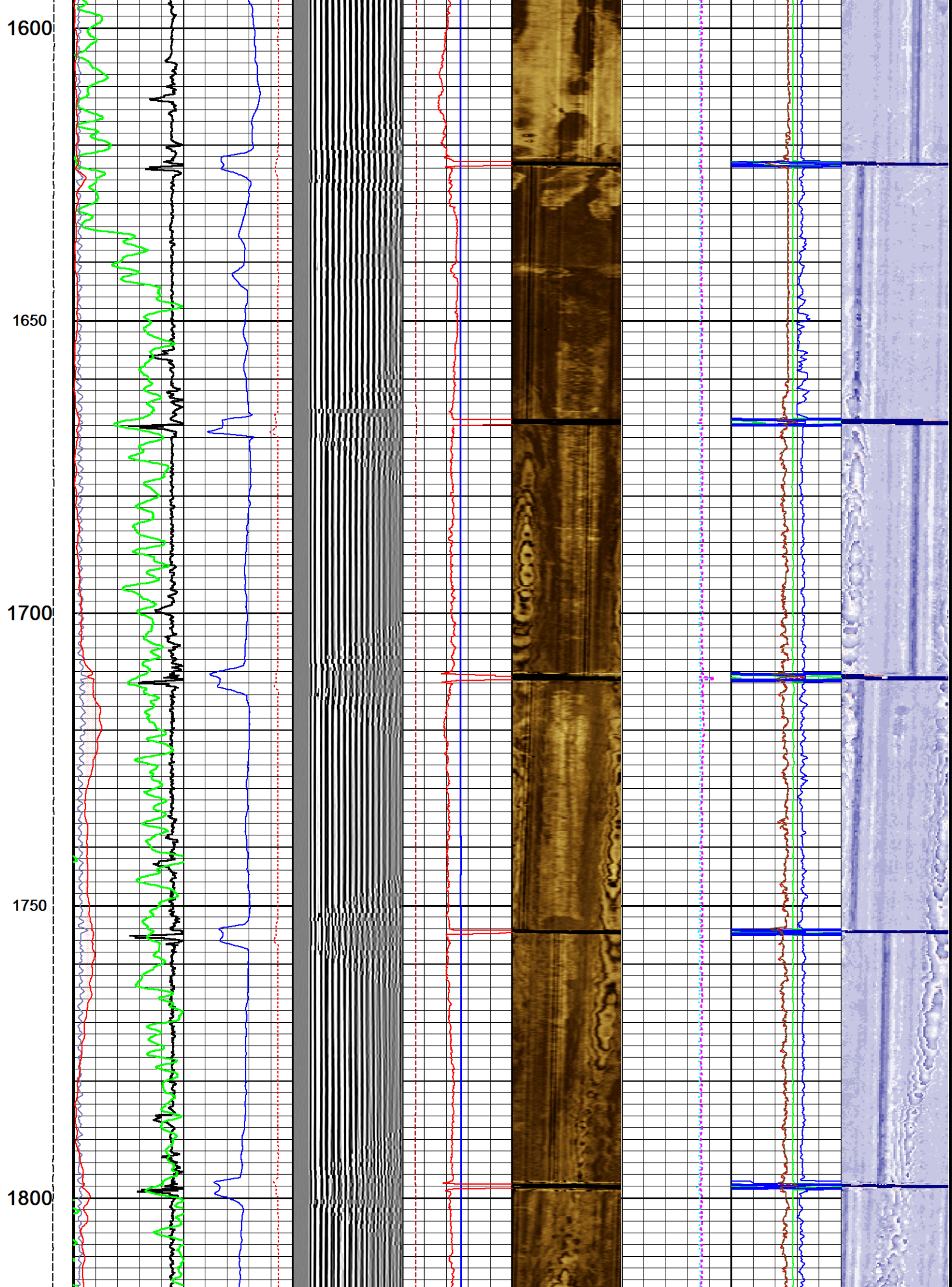




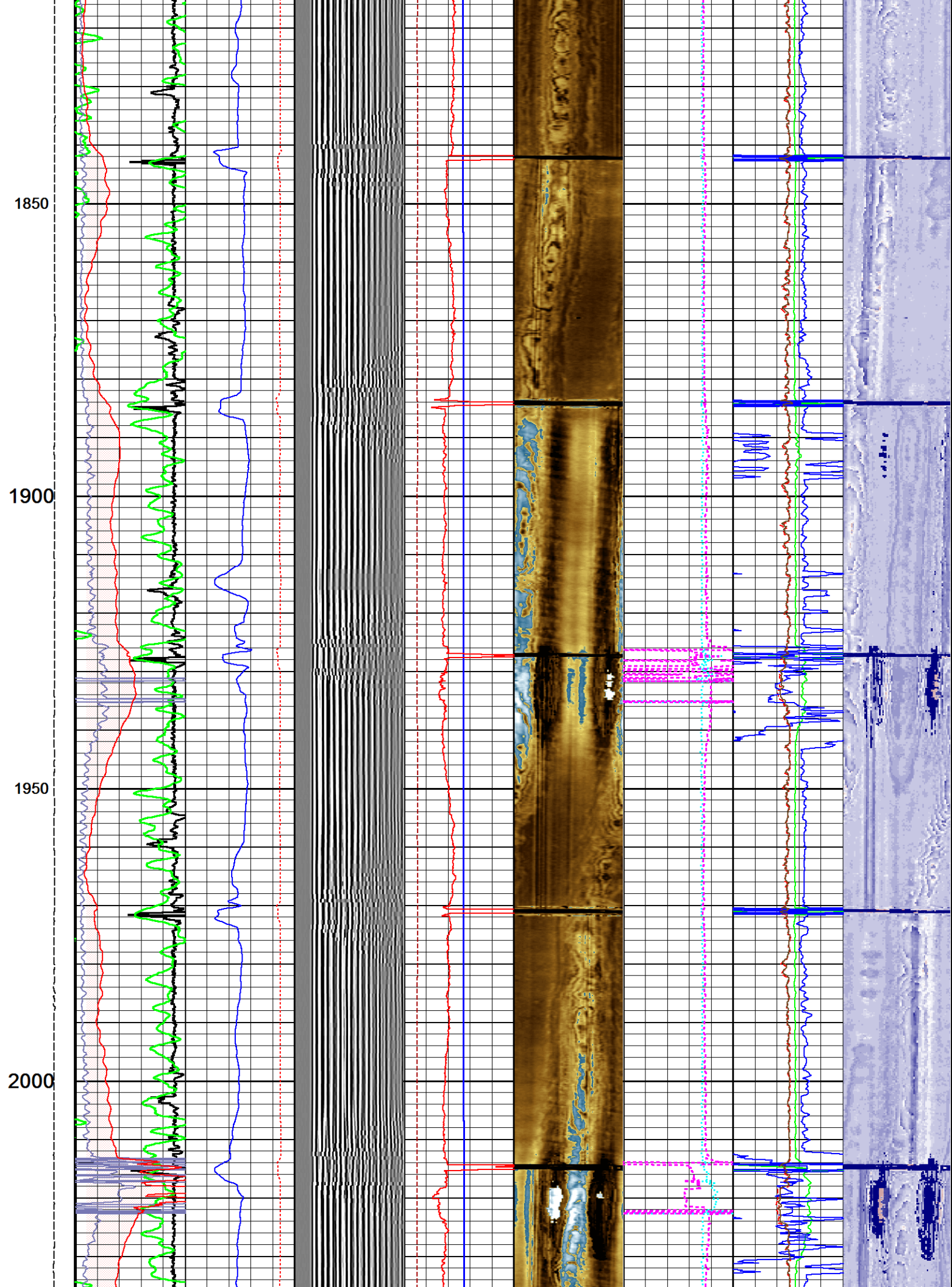


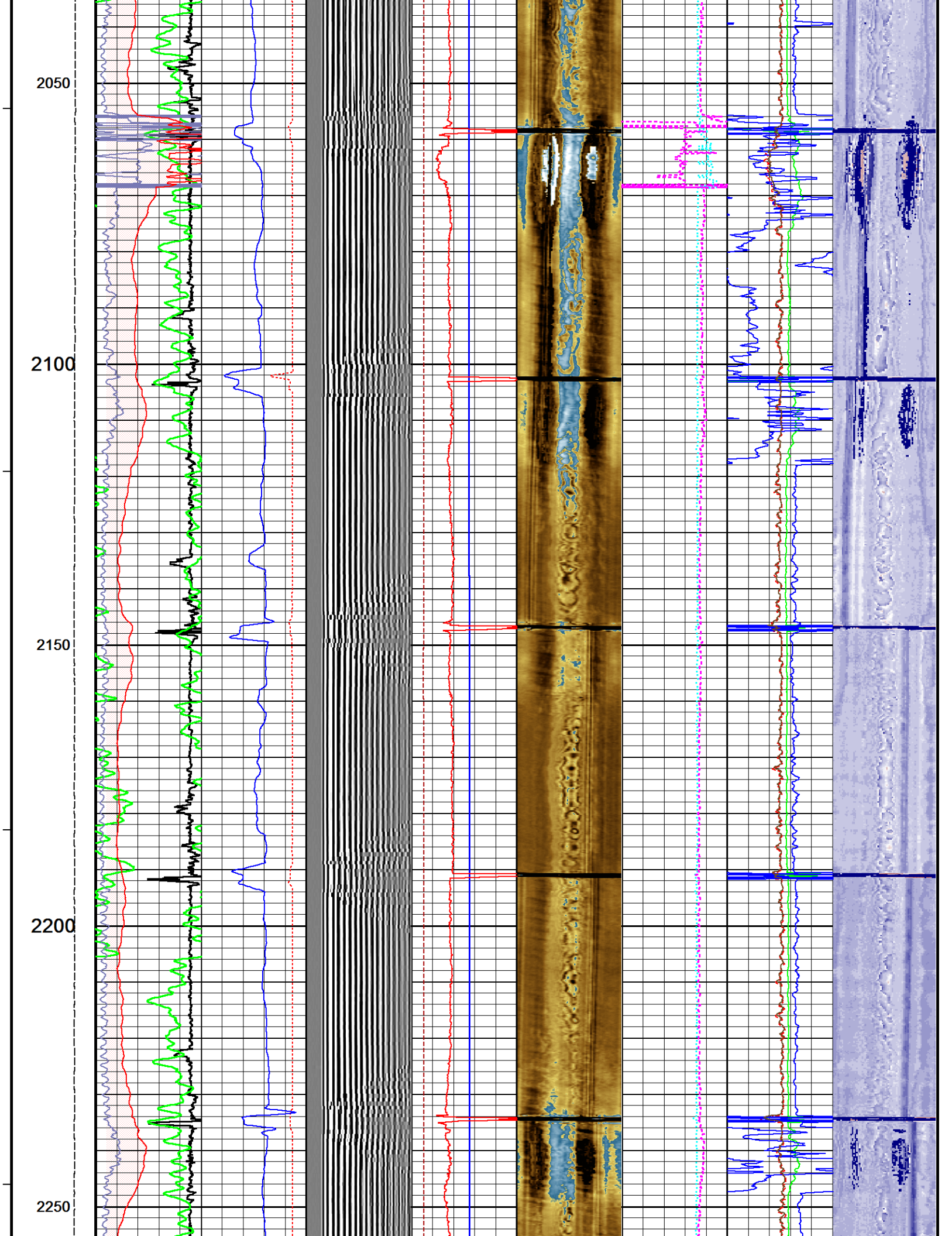




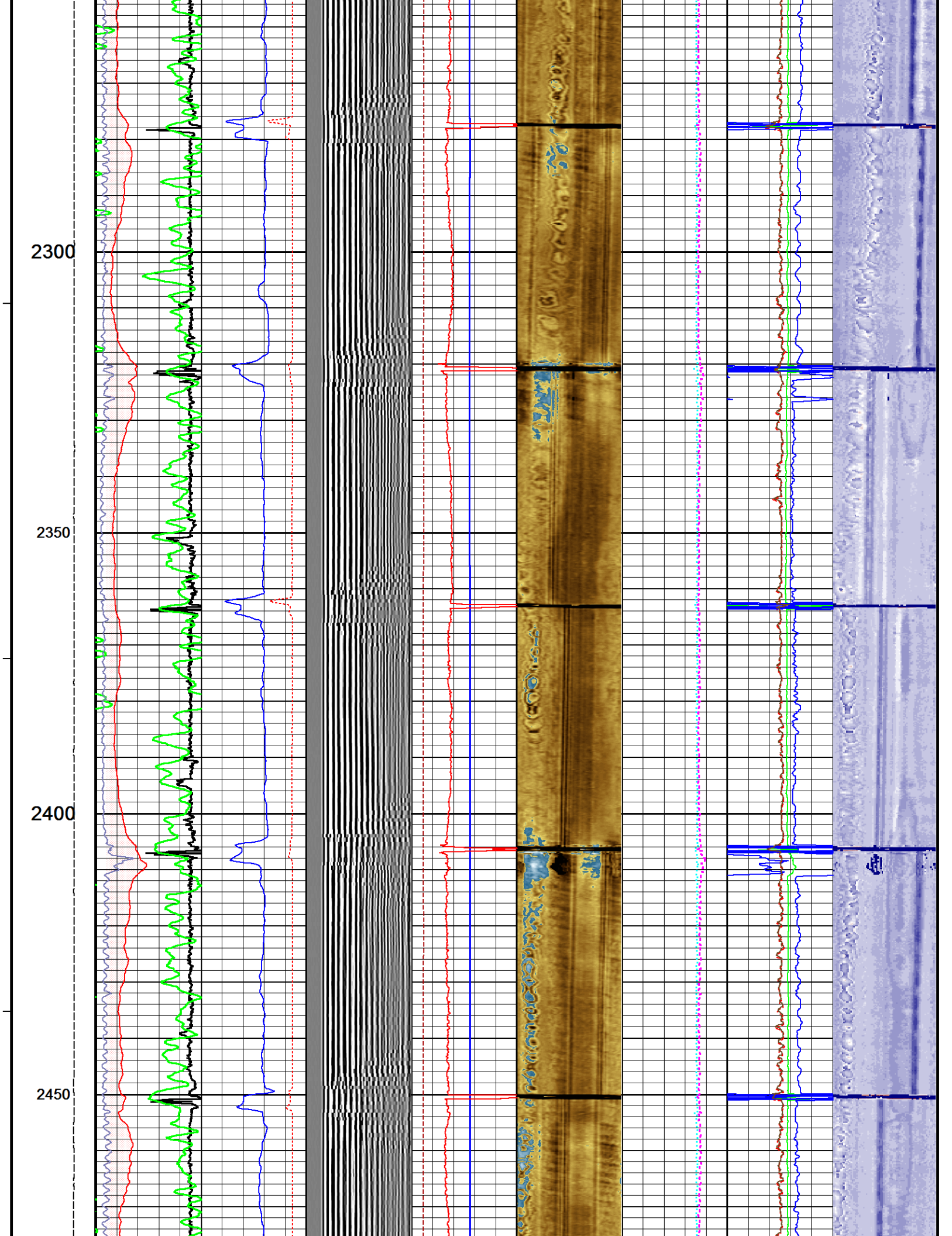










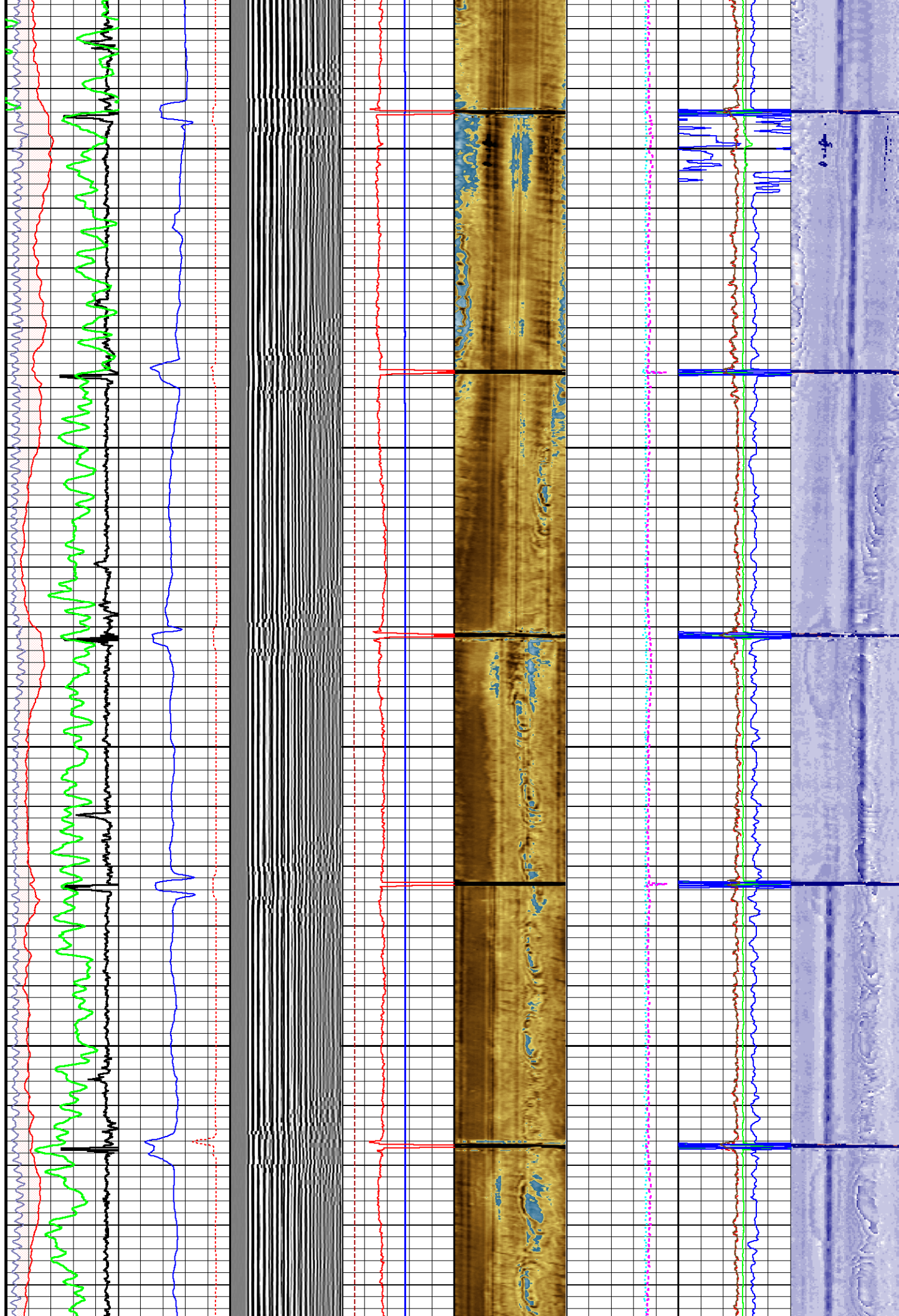


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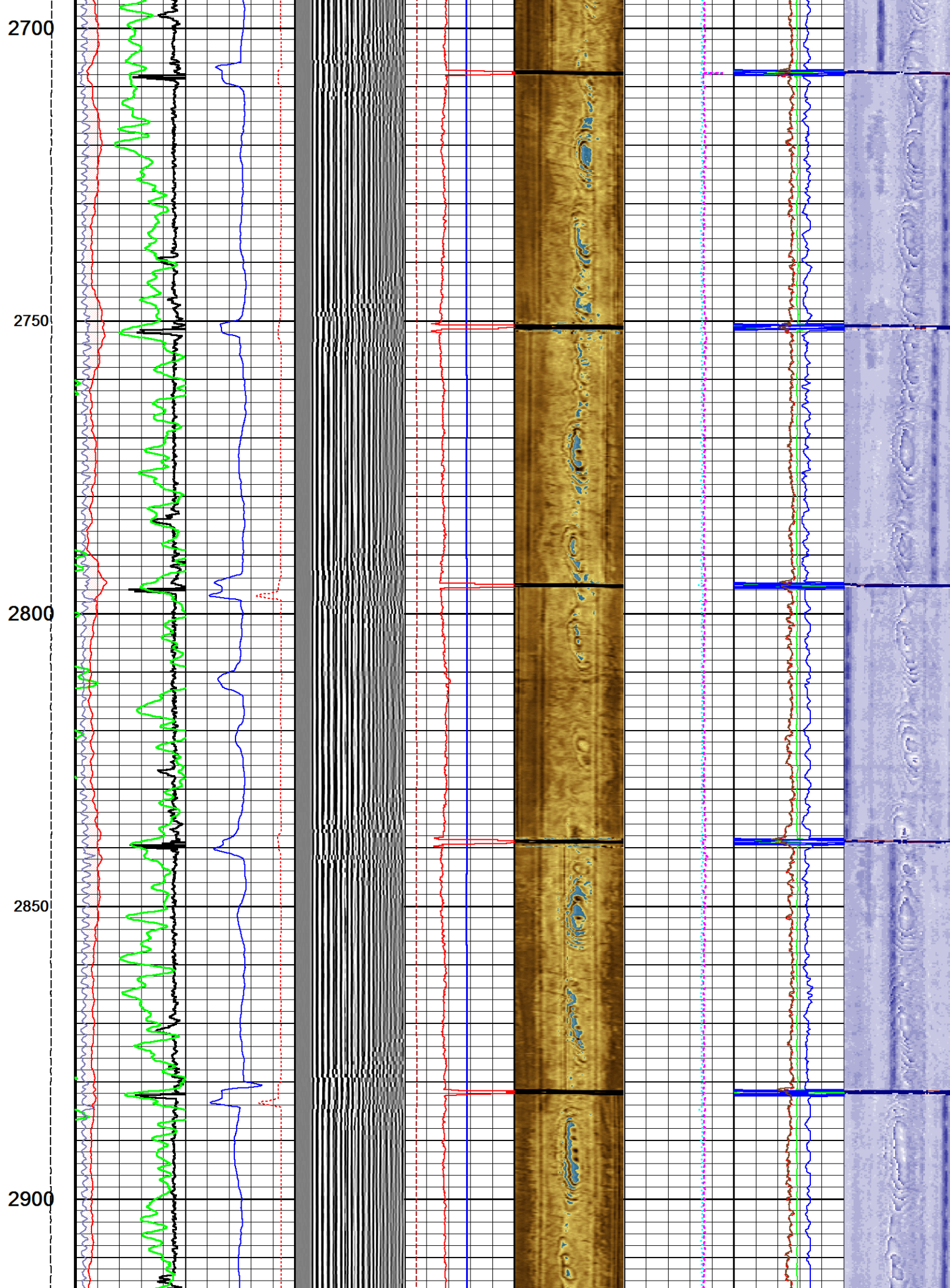
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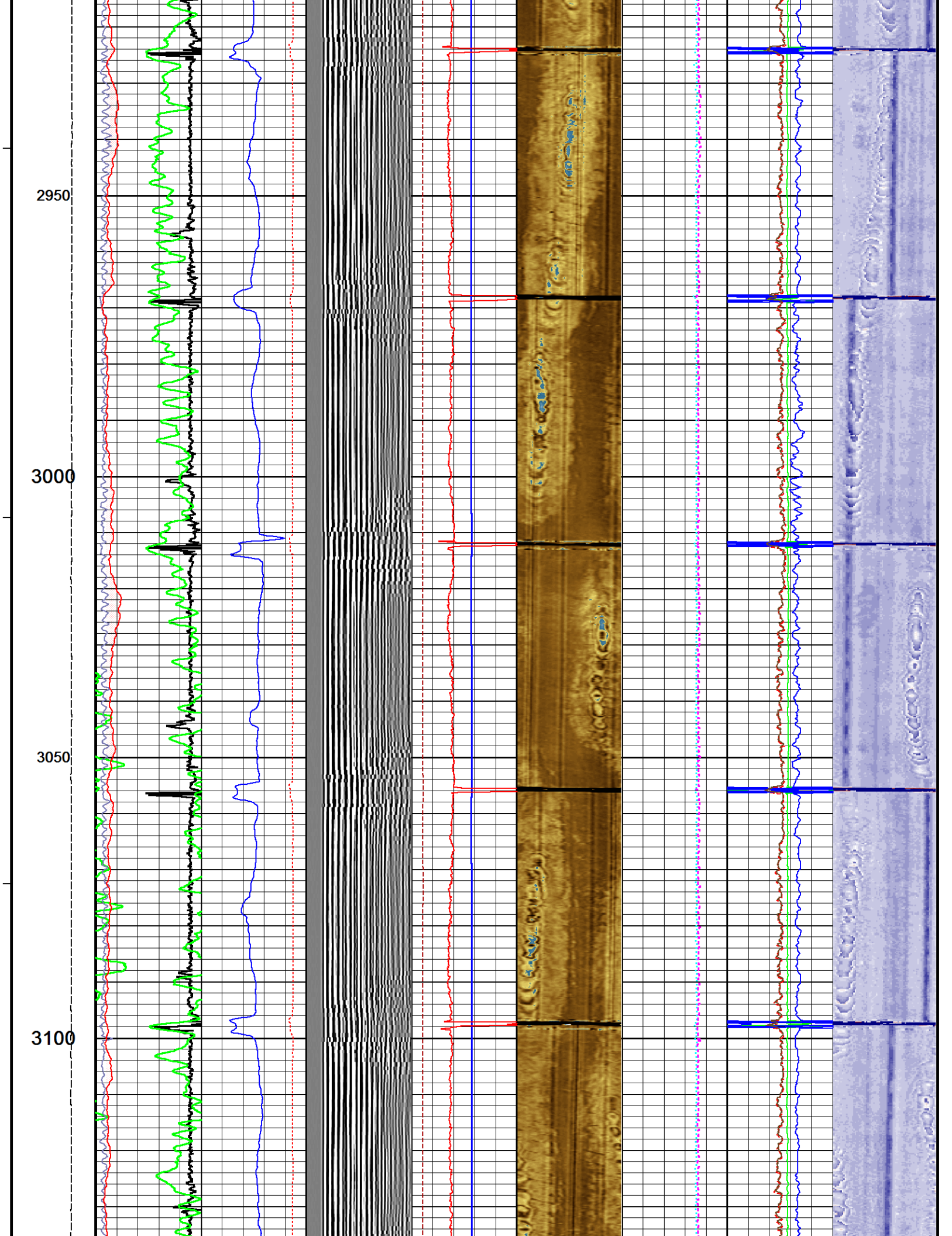
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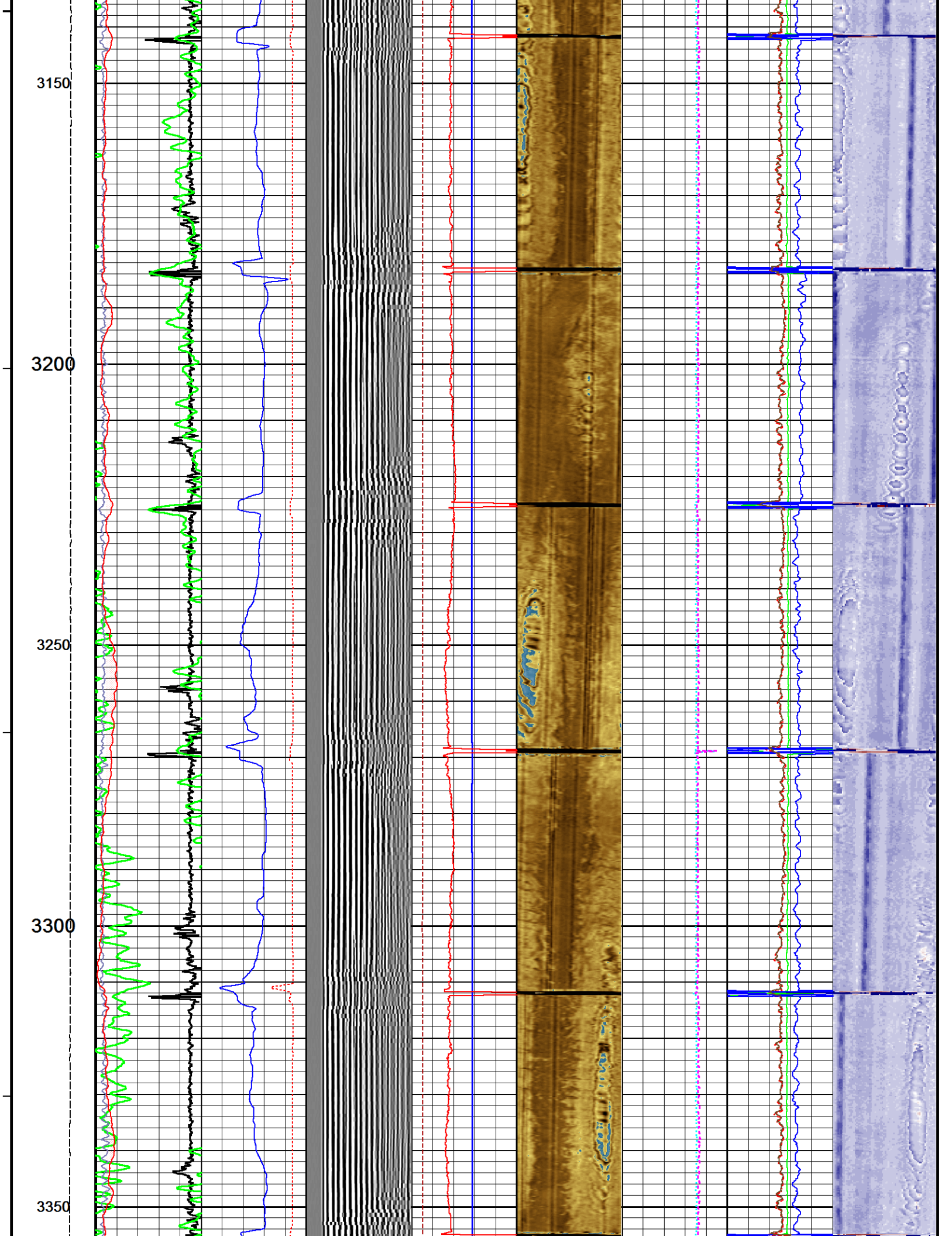


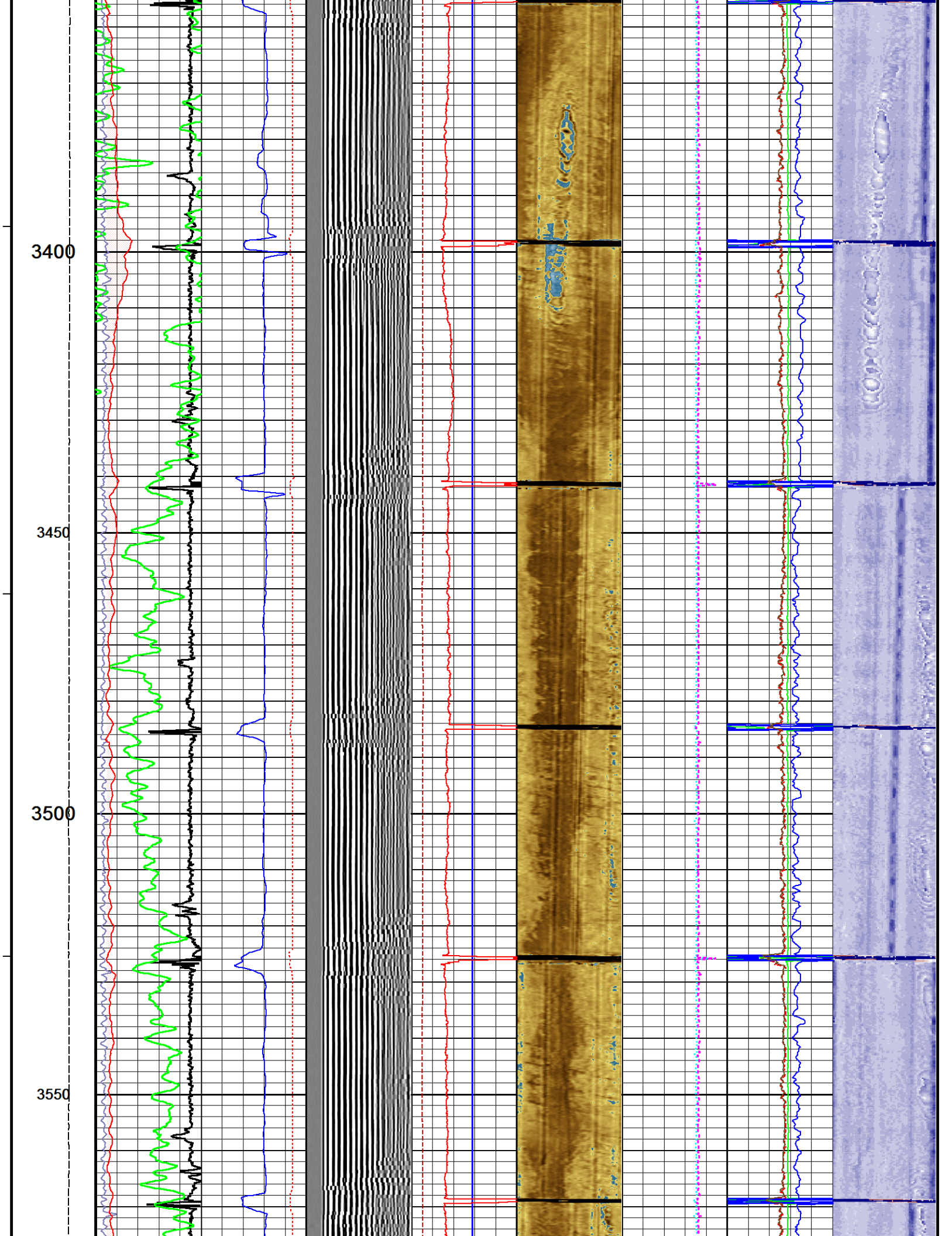




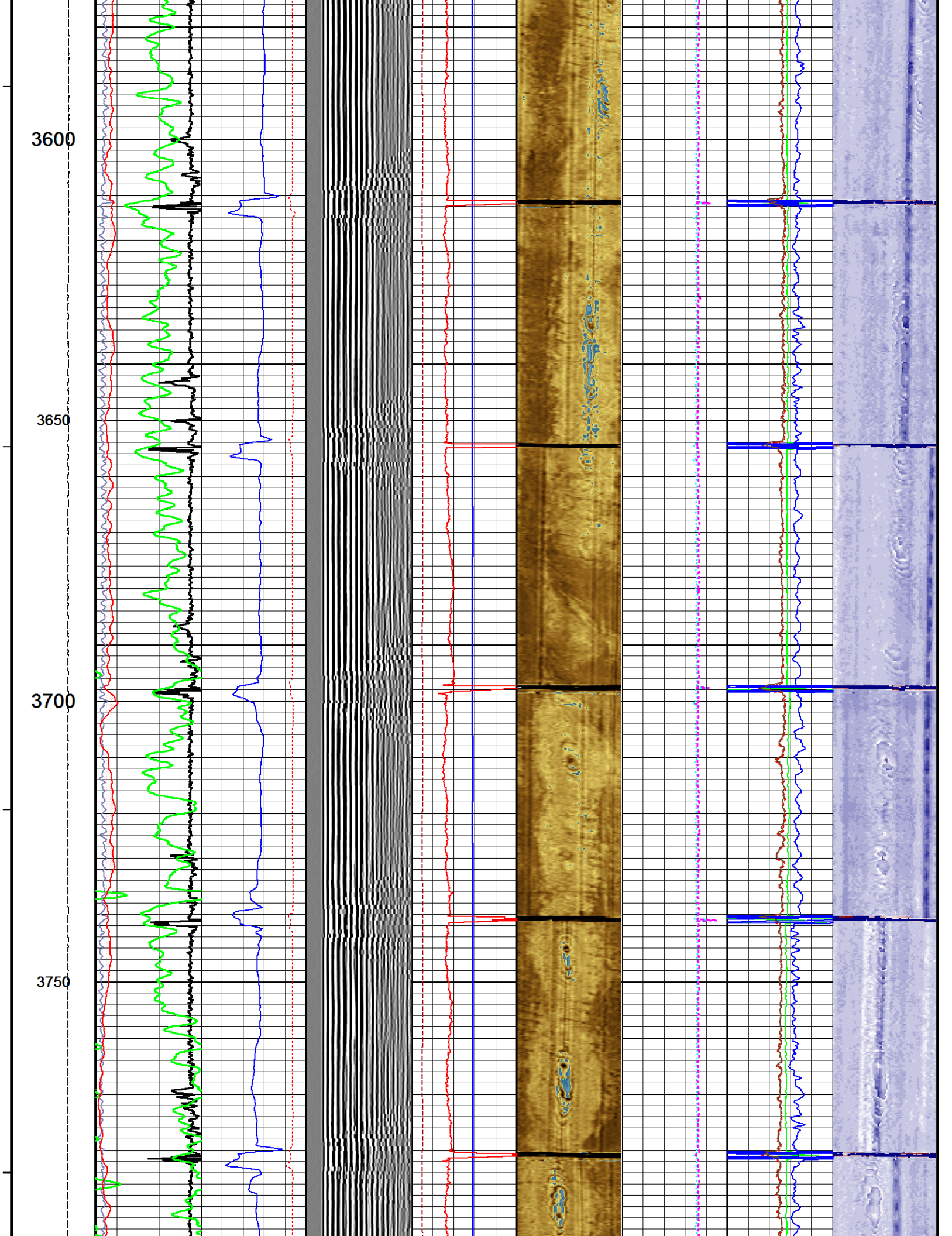


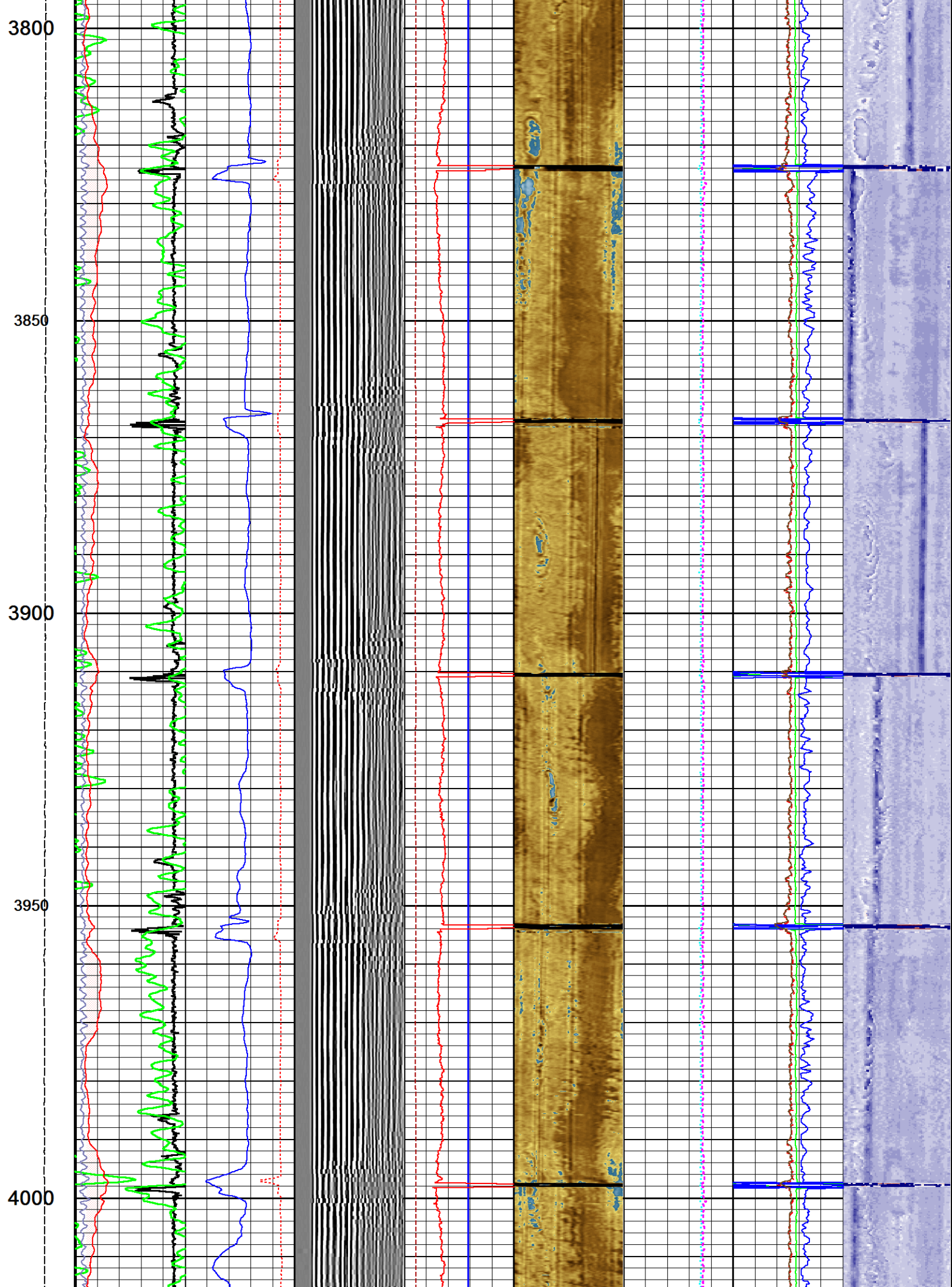




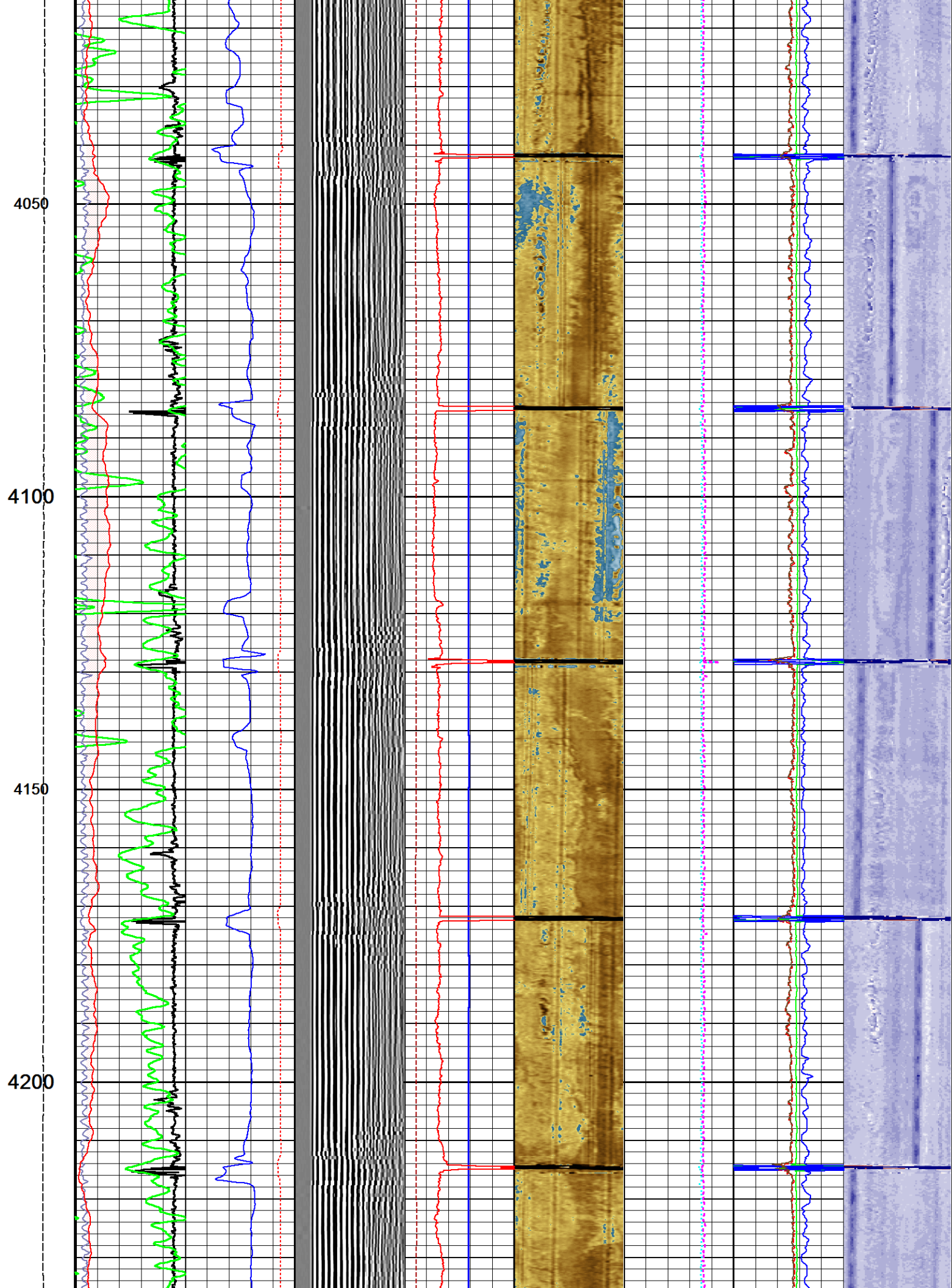


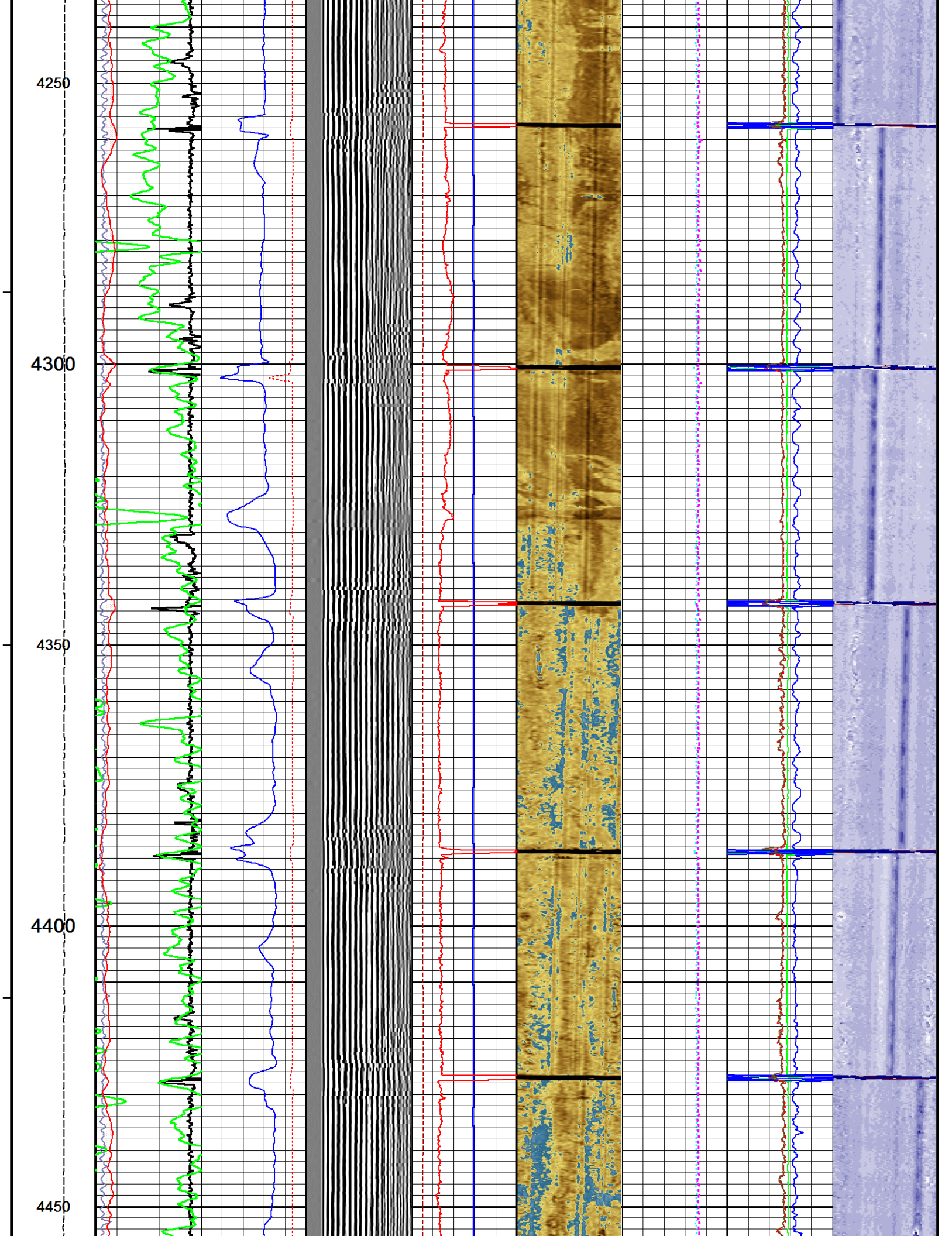




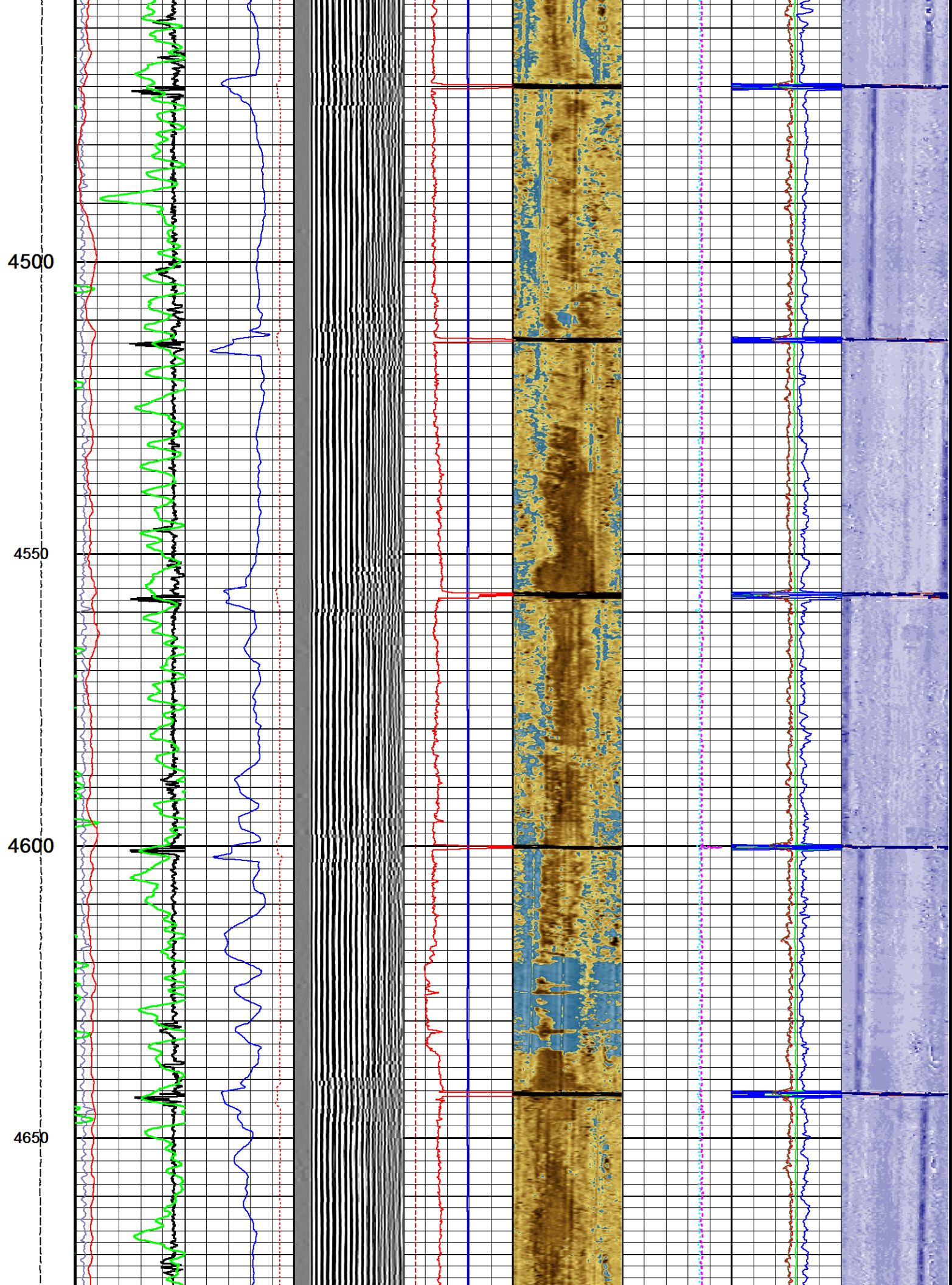












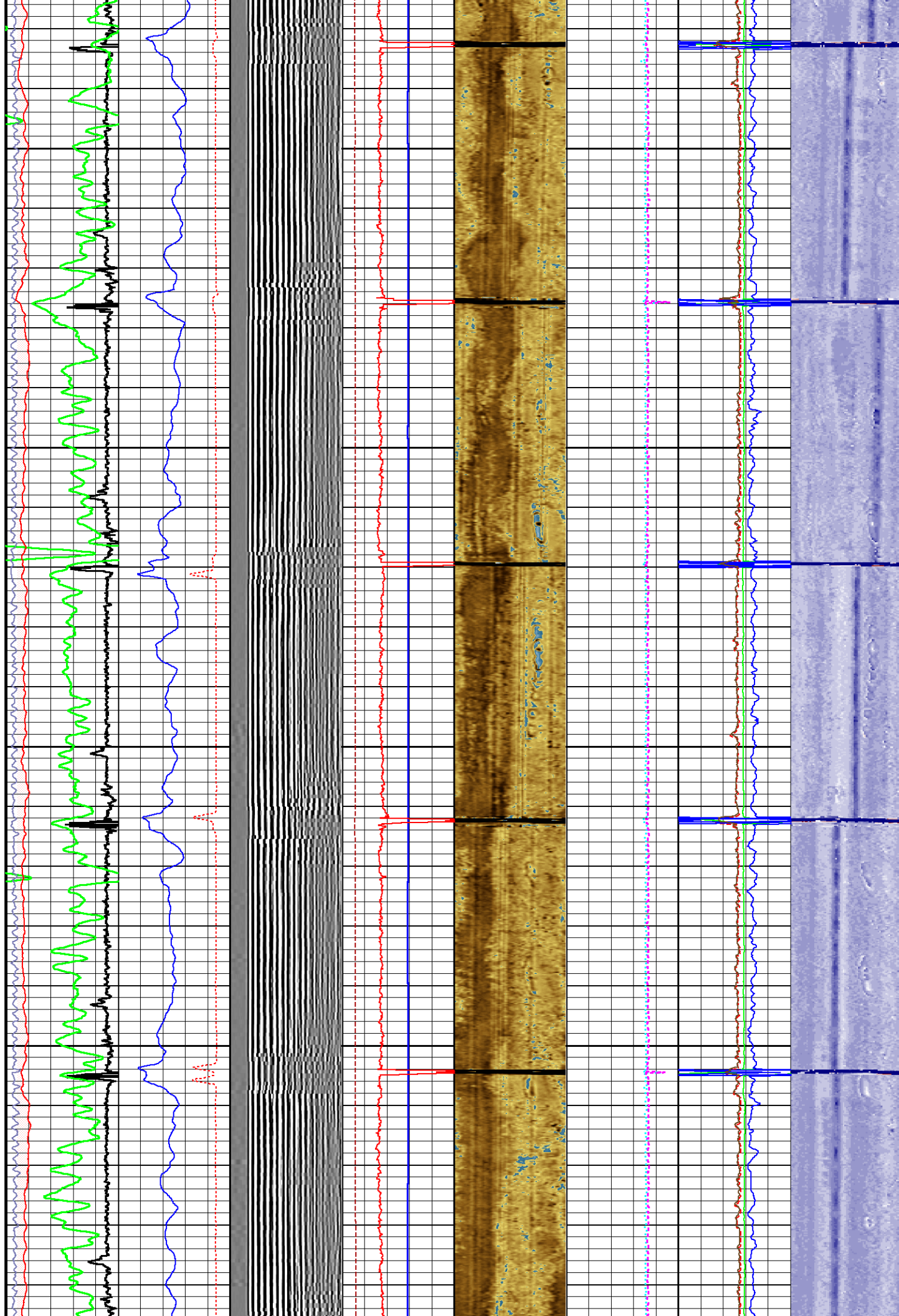


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4800

4850



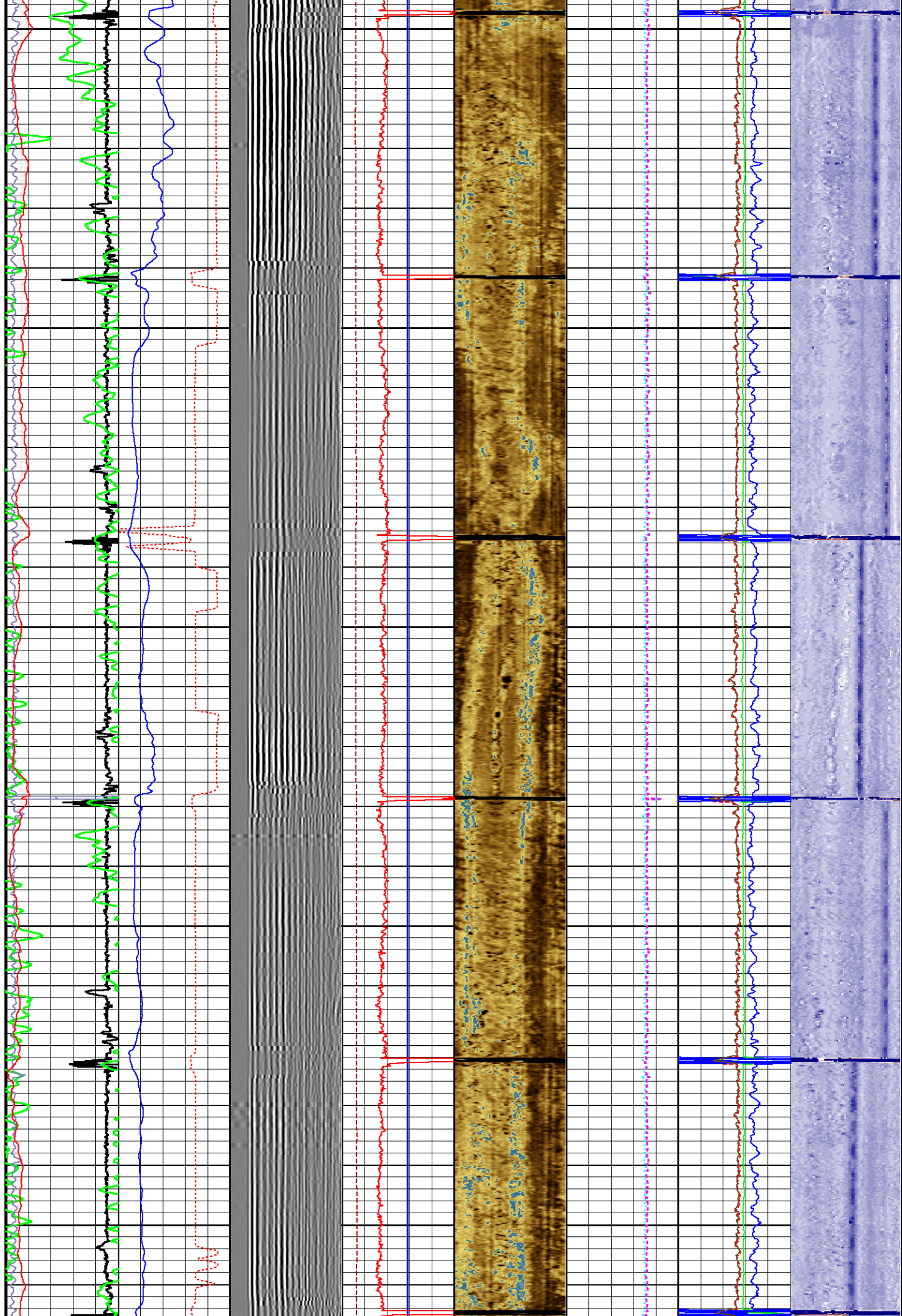
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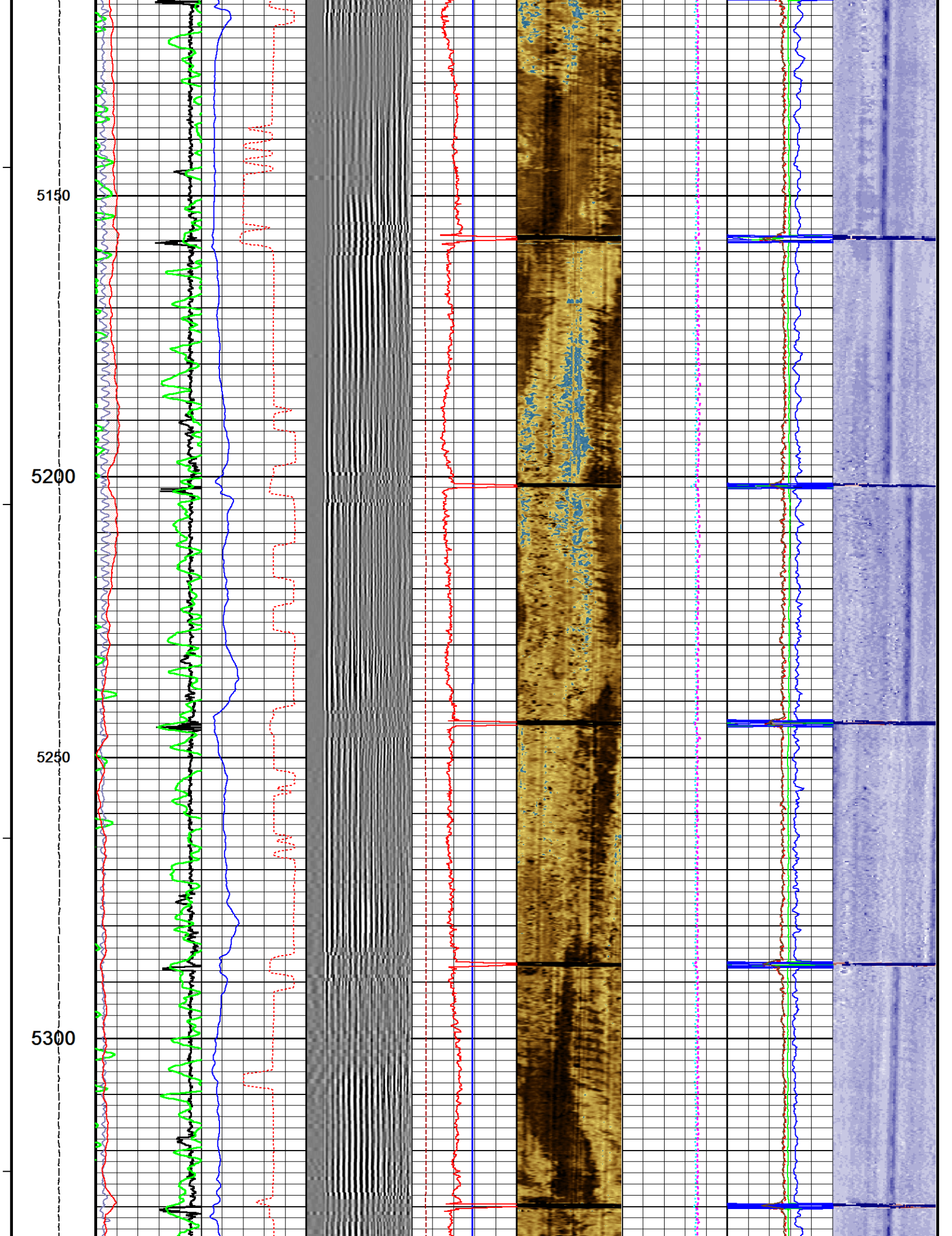
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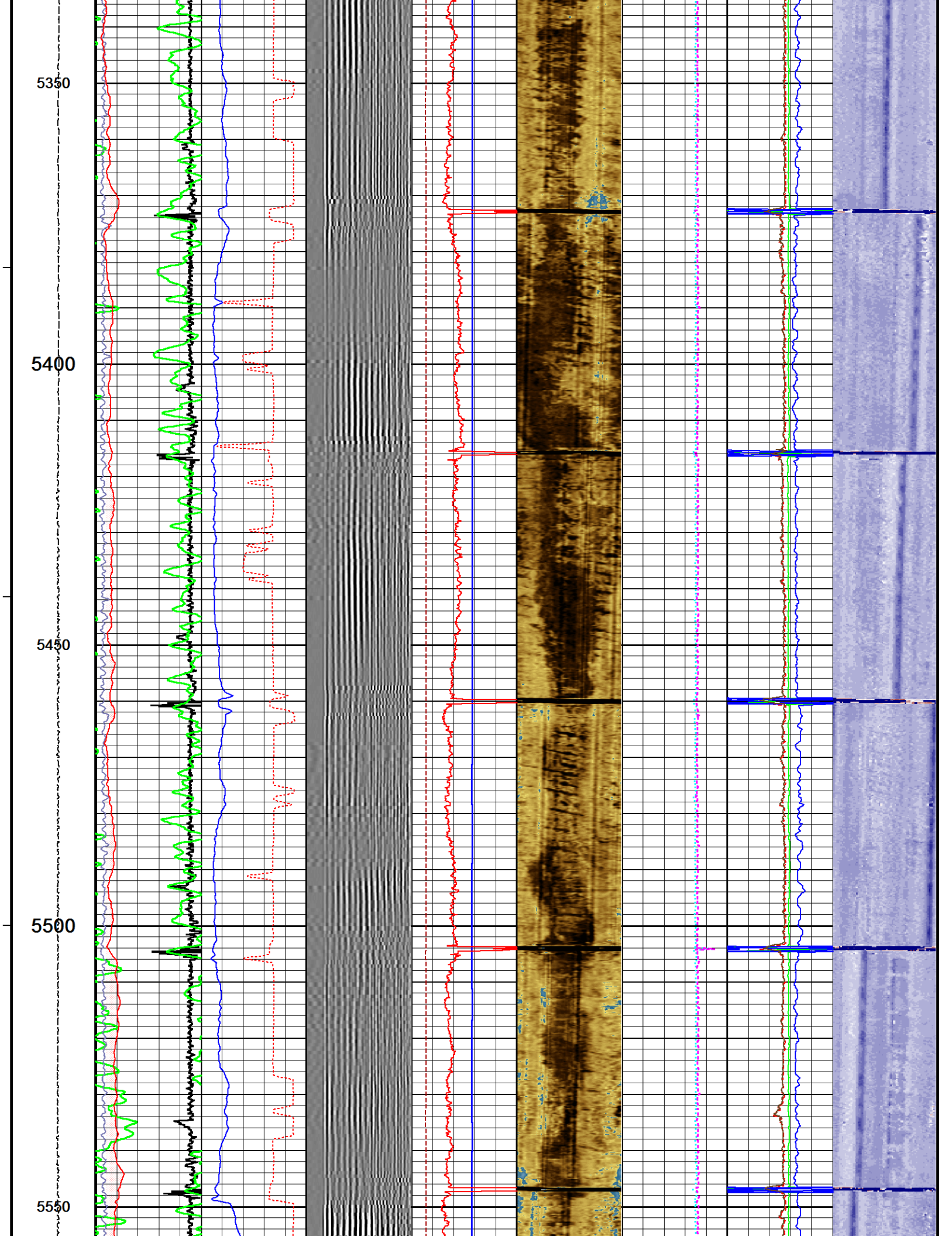
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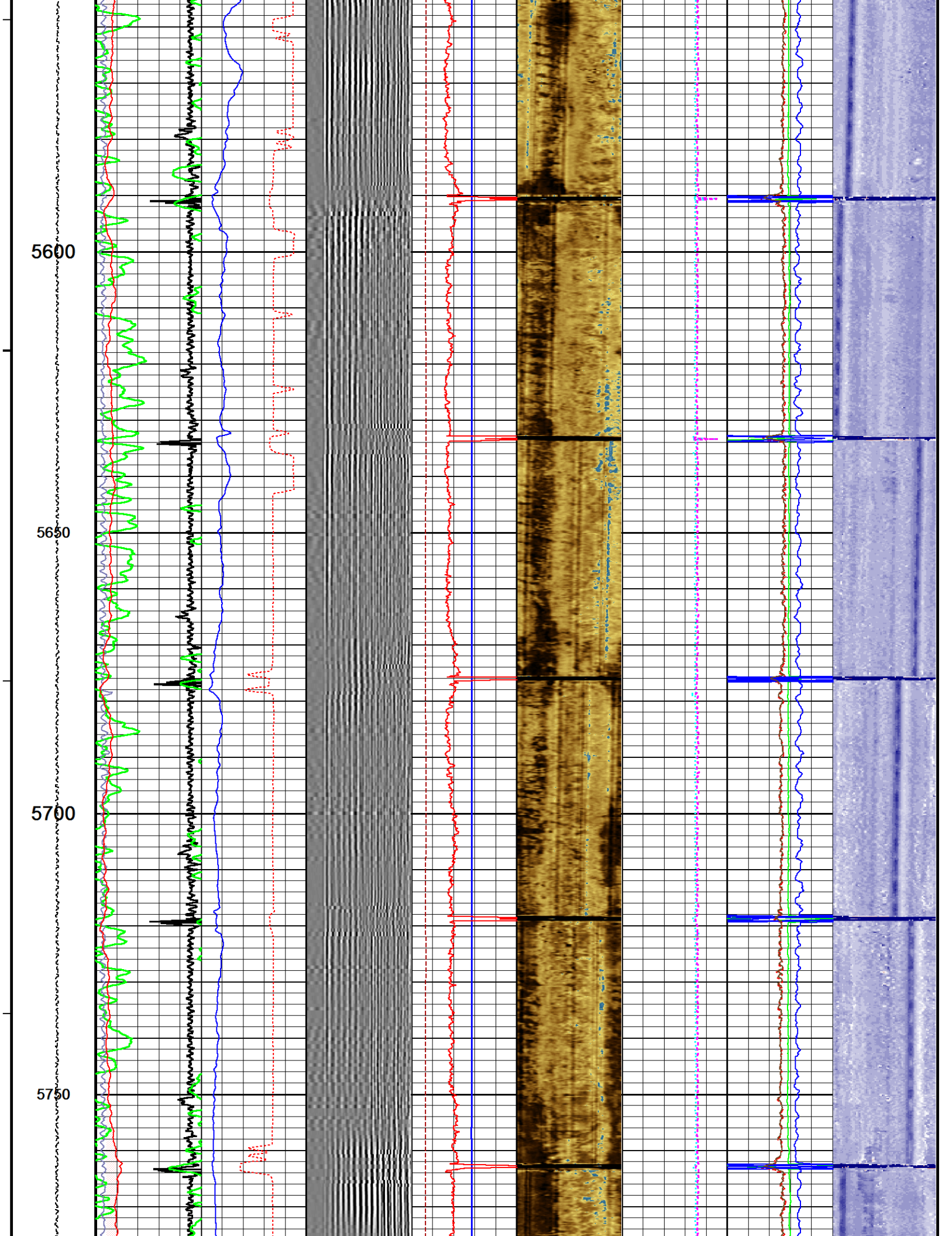




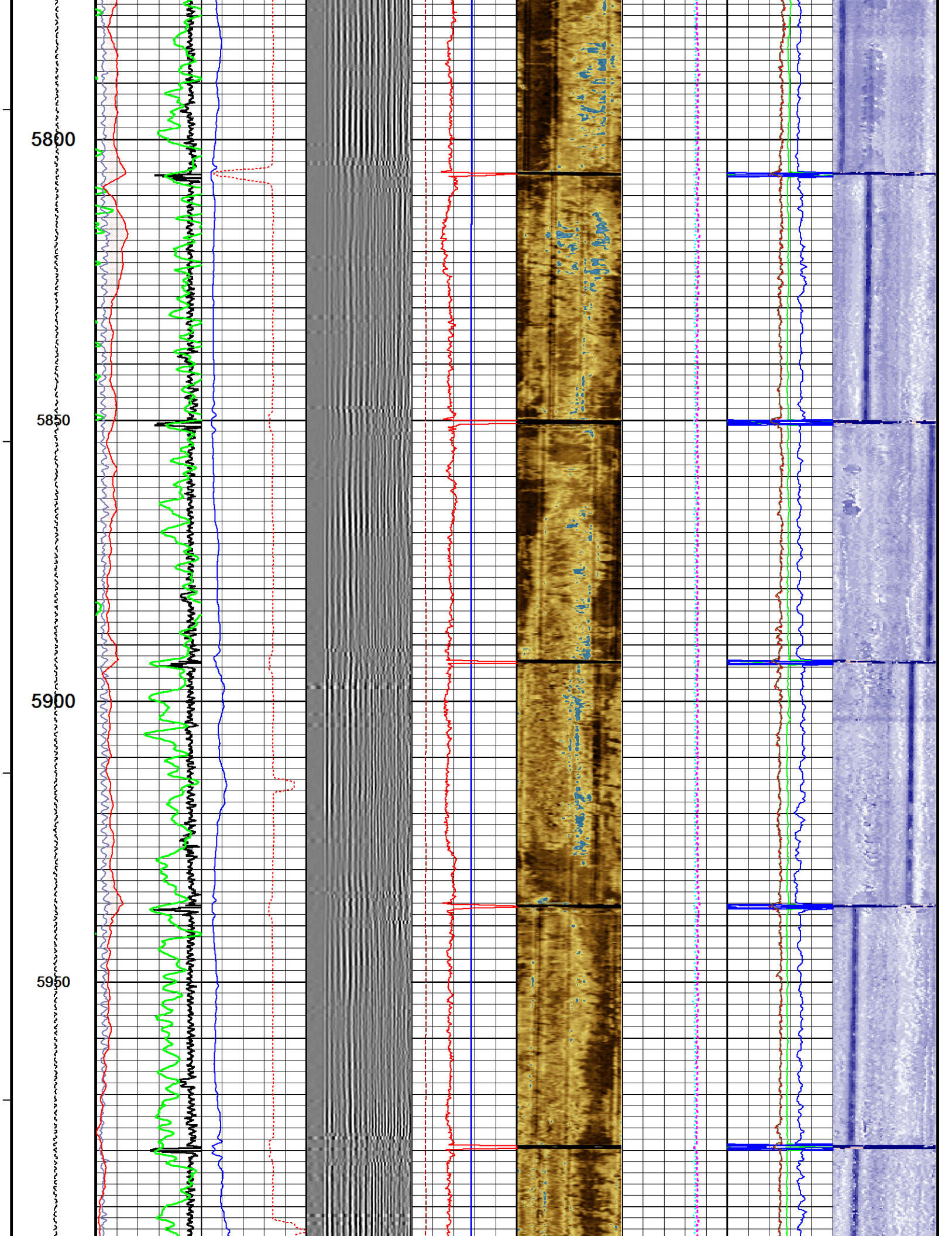














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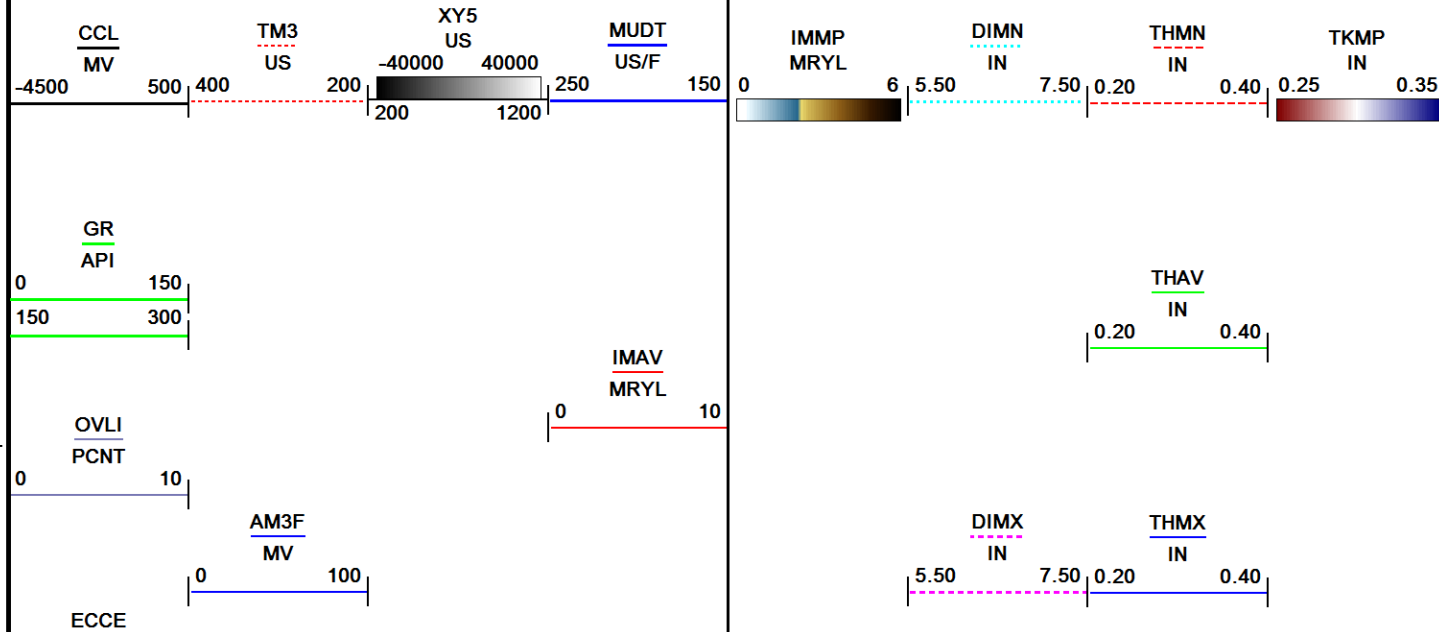
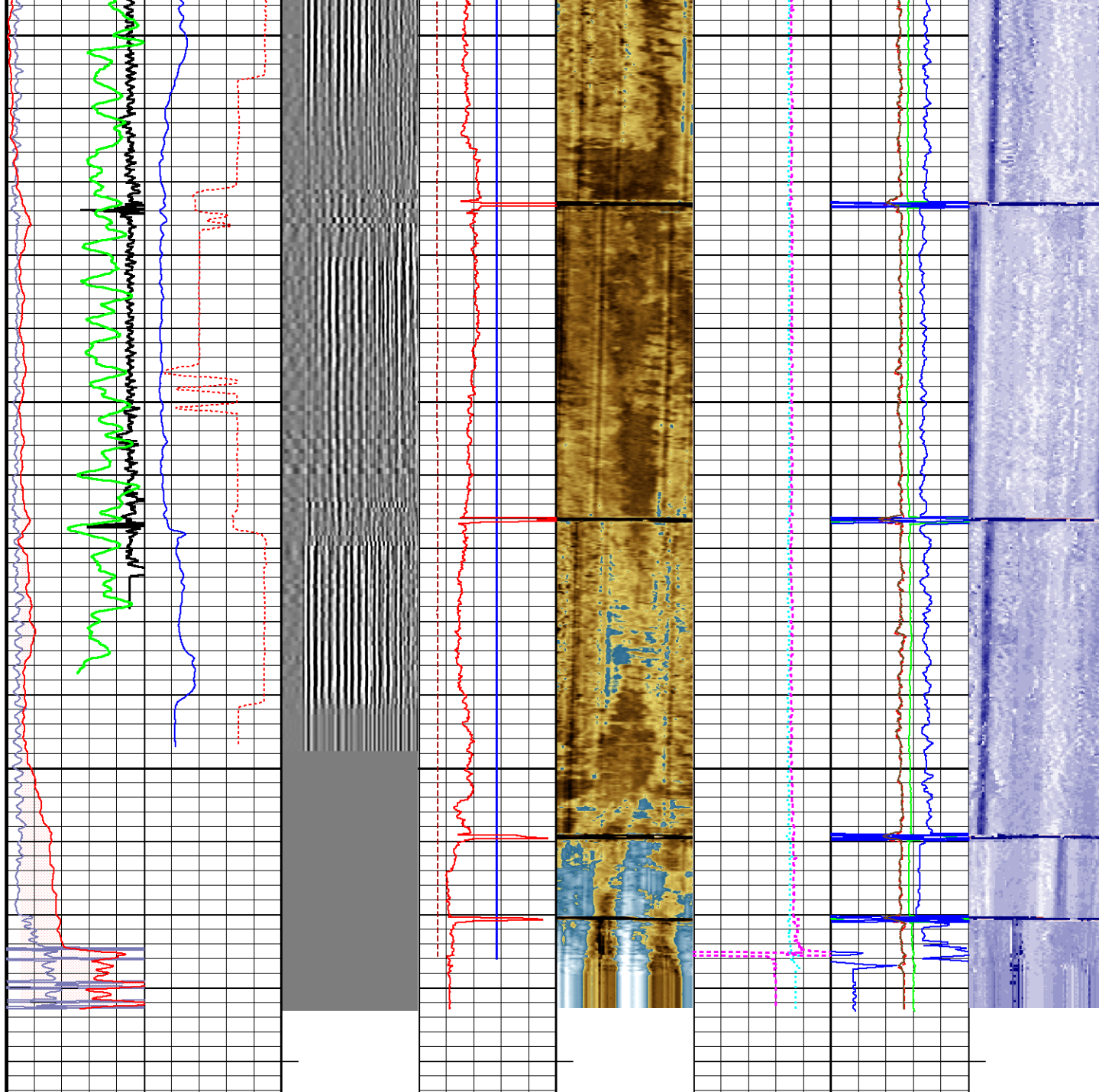
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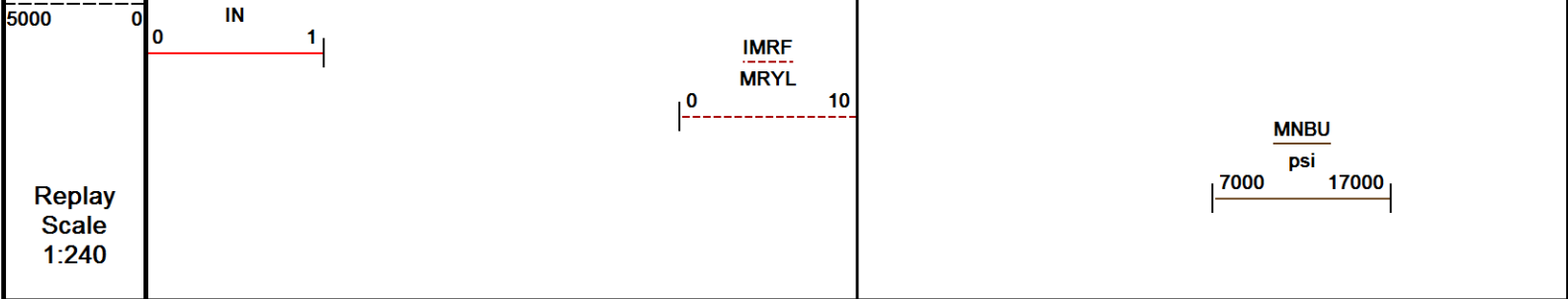
6142

Depth  
in  
Feet

Timing  
Marks  
every  
60.0 sec

TENS



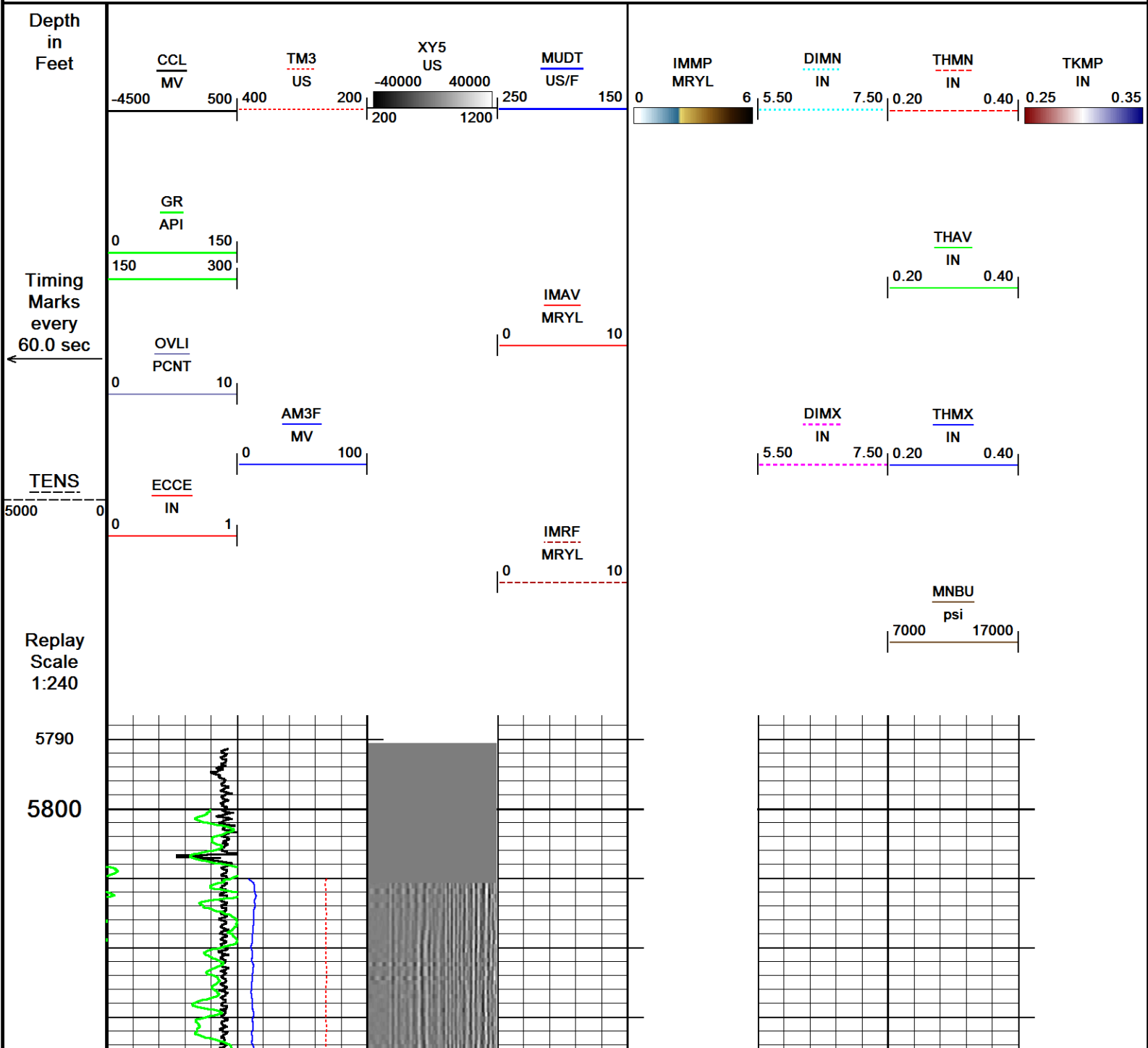


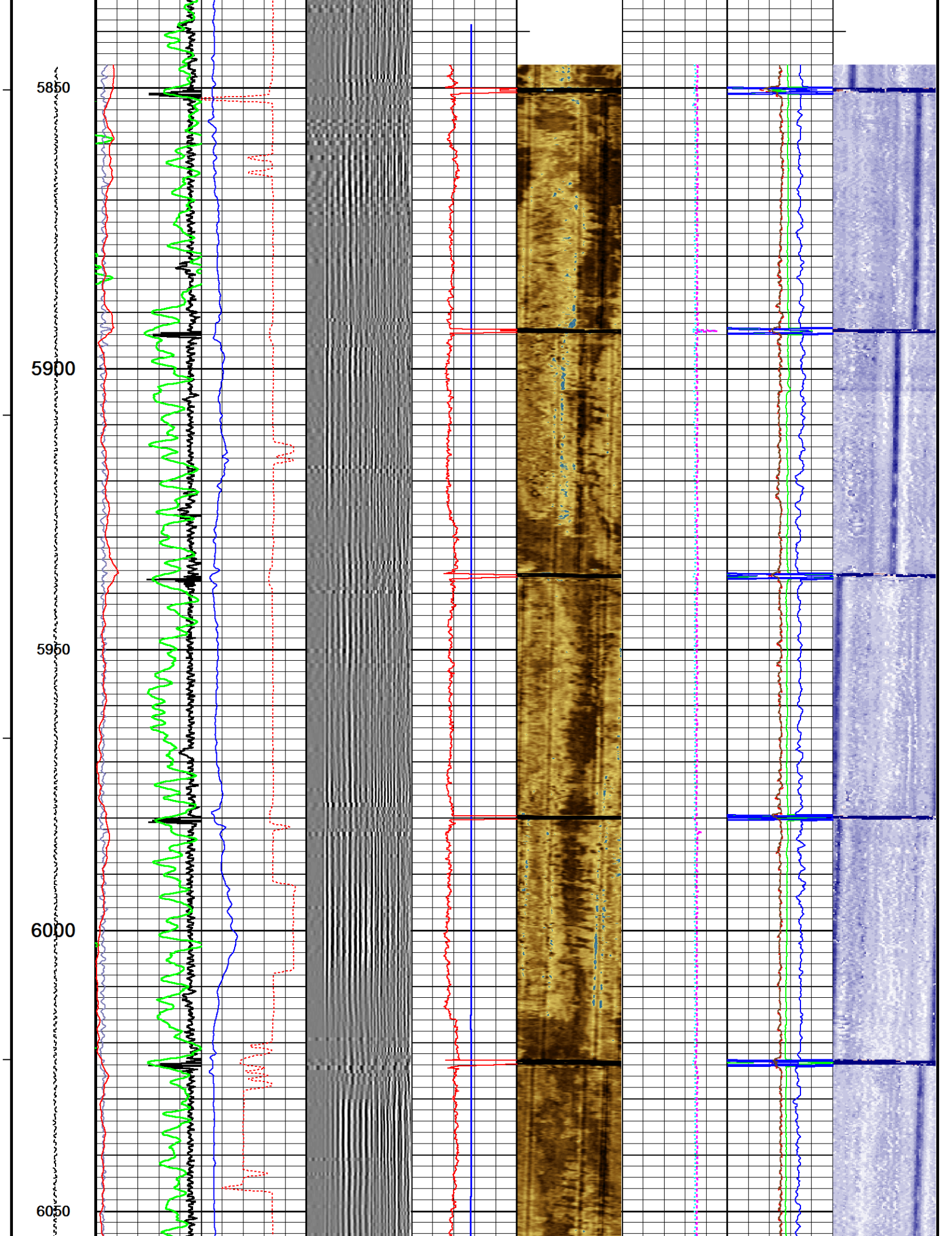
Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 22-OCT-2018 13:41  
Filename: C:\WLS\BONANZA CREEK\NORTH PLATTE 11-14-28 HNC\URS MAIN PASS\_002.dta Recorded on 17-OCT-2018 21:20  
System Versions: Logged with 18.03.9328 Plotted with 18.03.9328

↑ MAIN LOG ↑

↓ REPEAT PASS ↓

Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 22-OCT-2018 13:41  
Filename: C:\WLS\BONANZA CREEK\NORTH PLATTE 11-14-28 HNC\URSREPEAT PASS\_001.dta Recorded on 17-OCT-2018 21:54  
System Versions: Logged with 18.03.9328 Plotted with 18.03.9328





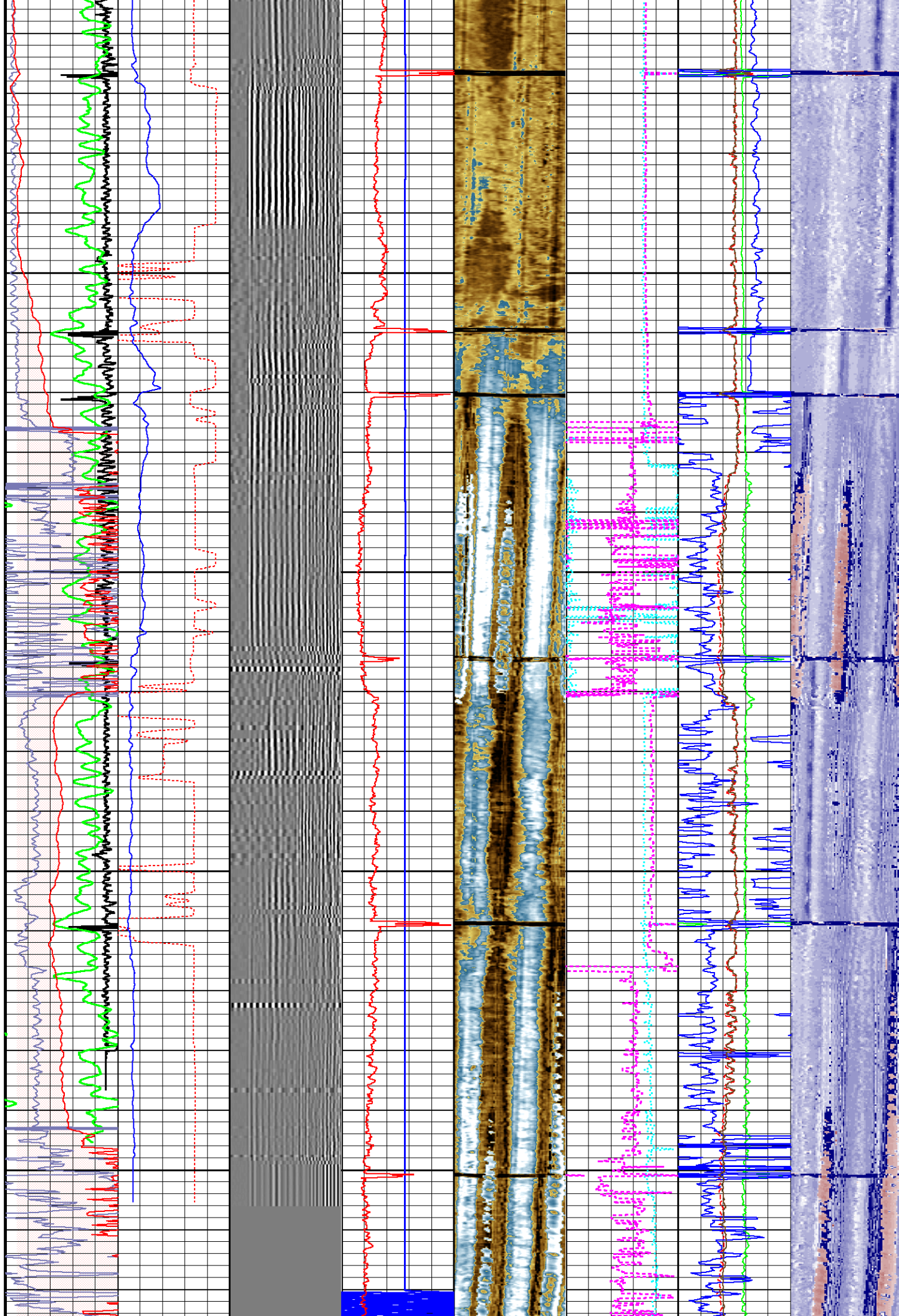


6100

6150

6200

6250



6300

Depth  
in  
Feet

CCL

MV

TM3

US

XY5

US

MUDT

US/F

IMMP

MRYL

DIMN

IN

THMN

IN

TKMP

IN

-4500

500

400

200

-40000

40000

250

150

0

6

5.50

7.50

0.20

0.40

0.25

0.35

200

1200

GR

API

0

150

150

300

OVLI

PCNT

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AM3F

MV

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ECCE

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1

IMAV

MRYL

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IMRF

MRYL

0

10

THAV

IN

0.20

0.40

DIMX

IN

5.50

7.50

0.20

0.40

MNB

psi

7000

17000

Timing  
Marks  
every  
60.0 sec

TENS

5000

0

Replay  
Scale  
1:240

Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 22-OCT-2018 13:41

Filename: C:\WLS\BONANZA CREEK\NORTH PLATTE 11-14-28 HNC\URSREPEAT PASS\_001.dta

Recorded on 17-OCT-2018 21:54

System Versions: Logged with 18.03.9328 Plotted with 18.03.9328



REPEAT PASS



## DOWNHOLE EQUIPMENT

C:\WLS\BONANZA CREEK\NORTH PLATTE 11-14-28 HNC\URSREPEAT PASS\_001.dta

Mono-Cablehead

MCH-AA 0 LG: 1.03 ft WT: 2.2 lb OD: 1.457 in



55.14 ft CCL - Collar Locator



Crossover 1-pin to 55-pin for WCC-D  
XOV-WC 125 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

Casing Collar Locator, 55 pin  
CCL-WA 198 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

Communication Cartridge 55pin 3-3/8in  
WCC-DA 119 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

Gamma Ray  
UGR-JD 135 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

55 pin Roller Centralizer  
CEN-XA 196 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Cement Bond Tool  
CBT-AA 115 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in

55 pin Roller Centralizer  
CEN-XA 225 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in



47.05 ft GR - Gamma Ray

36.70 ft AM3F - Amplitude 3FT

36.70 ft TM3 - Travel Time 3FT

35.70 ft XY5 - XY Signature 5FT

Flexible Joint, URS, 55 Pin  
FTP-FA 132 LG: 4.35 ft WT: 90.4 lb OD: 3.386 in

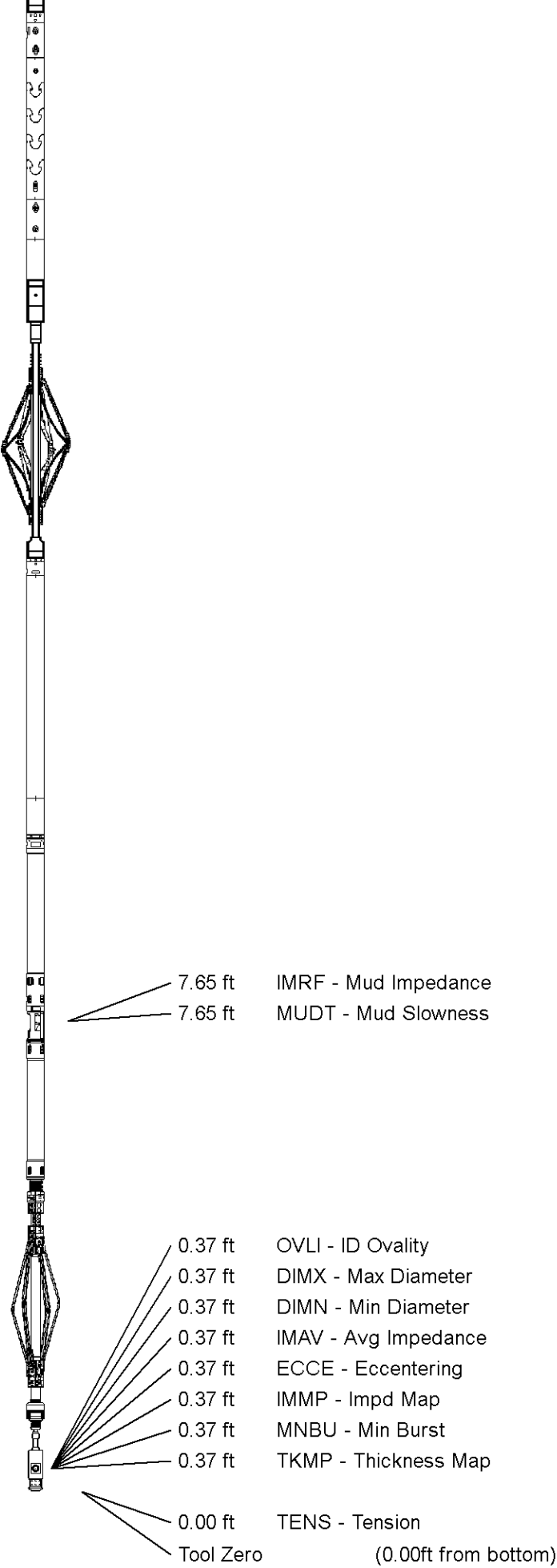
55 pin Roller Centralizer  
CEN-XA 213 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

URS Electronics Cartridge  
UCC-AA 132 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in

URS Sonde Section  
USS-AB 189 LG: 9.65 ft WT: 167.6 lb OD: 3.386 in

Ultrasonic Radial Scanner Head A  
USH-AB 136 LG: 1.03 ft WT: 13.2 lb OD: 3.386 in

Total Length: 58.06 ft Weight: 954.6 lb



All measurements relative to tool zero.



UGR Field Survey Cal UGR-JD 135

Field calibration on 00-JAN-1988 00:00

## Gamma Ray Field Survey calibration

Tool Type: UGR-JD  
Calibrator No:

Serial No: 135

Background	Calibrator	Standard	Units
0.0	140.0	140.0	CPS

Delta Counts Per Sec: 140.0

CPS/API = 1.000

CBT Field Calibration CBT-AA 115

Field calibration on 17-OCT-2018 12:58

## Cement Bond Tool Amplitude Field Calibration

Tool Type CBT-AA

Serial No 115

Free Pipe Depth

Sensor	Description	Standard(mv)	Measured(mv)
AMP 3 FT	100 % Bond	5.60	1.29
	Free Pipe	72.00	590.04
AMP 5 FT	100 % Bond	0.90	2.29
	Free Pipe	48.00	700.33

CBT Constants CBT-AA 115

Last Edited on 17-OCT-2018 21:03

Min Ampl 100% Bond	5.63 MV
Max Ampl 0% Bond	71.77 MV
Cement Cmpr Strength	580 PSI
Casing Size	5.50 IN
Casing Weight	17.0 LB/F
Casing Velocity	57.00 US/F
DT Fluid	200.0 US/F
Maximum Attenuation	12.00 DB/F
3' TT Correction	0.0 US
Cement Weight	0.00 LB/G

Ultrasonic Radial Scanner Before Cal USH-AB 136

Field calibration on 17-OCT-2018 13:00

## Ultrasonic Radial Scanner Before Calibration

Tool Type USH-AB

Serial No 136

Measured	Minimum	Maximum
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Free Pipe	-999.250	0.000	0.000	MRYL
Mud Impedance	4.060	0.000	0.000	MRYL

URS Constants USH-AB 136

Last Edited on 17-OCT-2018 21:03

\*\*\* Well Information \*\*\*

\*\* NOTE \*\*

If `Use General Settings` is set to `OFF`, the `ZHead Cal` and `ZMud Cal` values will be obtained from `Depth Specific Settings` entry

\*\* General Settings \*\*

Use General Settings	ON
ZHead Cal Area Ratio	3.80
ZMud Cal Area Ratio	3.20

\*\* Depth Specific Settings \*\*

Dpth Intvl Min(F)	Dpth Intvl Max(F)	Cs Sz (IN)	Cs WT (LB/G)	ZHd Cal ARatio	ZMd Cal ARatio	Thk (IN)	Harmnc K Factor
0.00	1629.00	5.50	36.00	1.50	1.50	0.30	1.00
0.00	11680.00	5.50	17.00	5.41	4.06	0.30	1.00

\*\* Constants \*\*

Thickness Calculated from	Tool
Radius Offset	0.00
Mud slowness Offset	0.00 US/F
Mud Chamber Equation	Mud Plate
Z_mud at Calibration	1.70 MRYL
Z_mud Outside	1.70 MRYL
Gas Impedance Cutoff	0.38 MRYL
Fluid Impedance Cutoff	2.30 MRYL
Contam Impedance Cutoff	2.70 MRYL
Relative Bearing Rotate	OFF
RB Offset Angle	0.00 DEG
Cement Density	14.00 LB/G

COMPANY	BONANZA CREEK ENERGY
WELL	NORTH PLATTE 11-14-28 HNC
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	US / COLORADO

Elevation Kelly Bushing	4570	feet	Bottom Log Interval	6133.00	feet
Elevation Drill Floor	4570	feet	Depth Driller	11690.00	feet
Elevation Ground Level	4553	feet	Depth Logger	6133.00	feet



SECUREVIEW

ULTRAVIEW / BONDVIEW



**Weatherford®**

ULTRAVIEW / BONDVIEW  
LOG