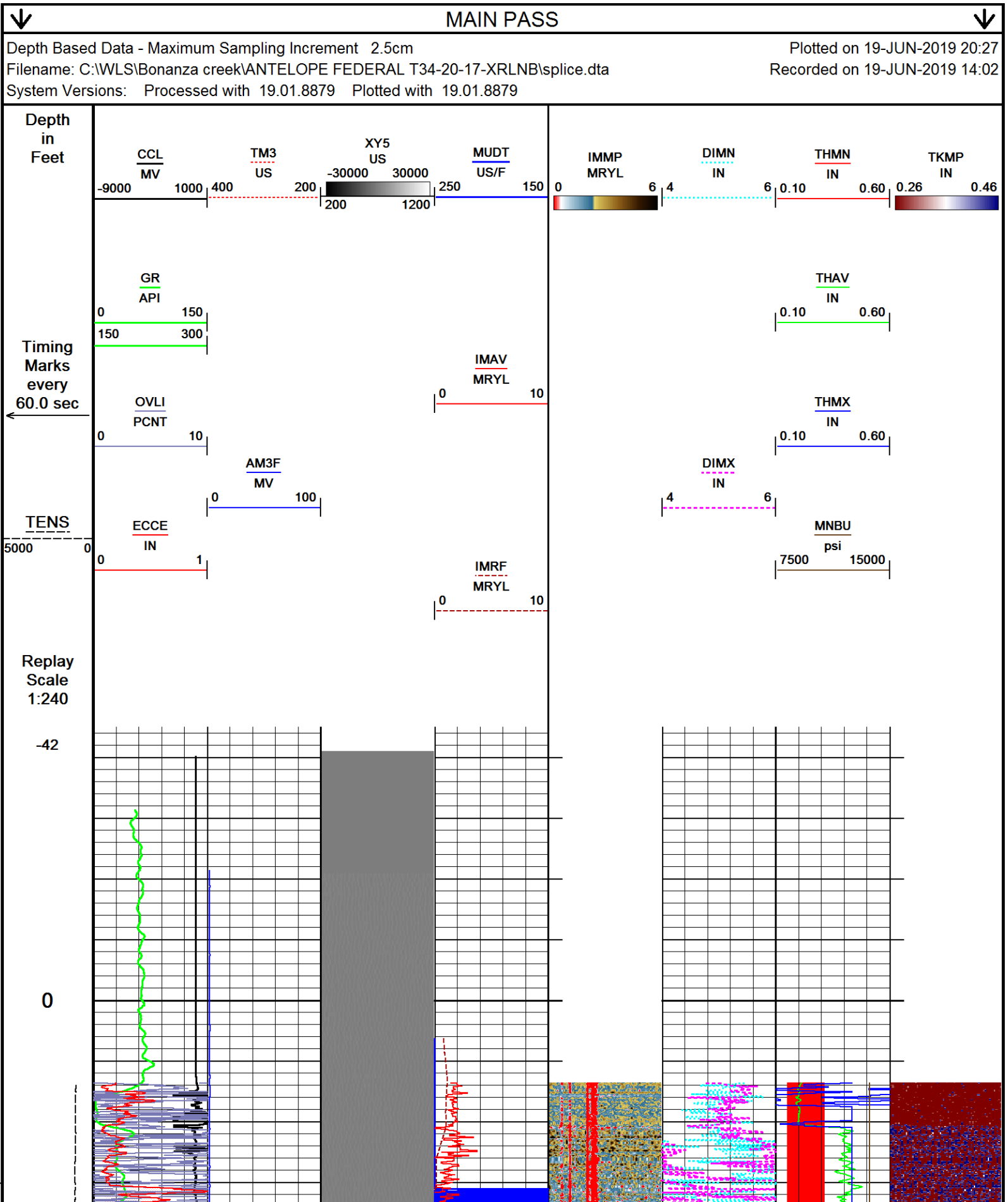
										SECUREVIEW									
Weatherford®										ULTRAVIEW / BONDVIEW									
COMPANY										BONANZA CREEK ENERGY									
WELL										ANTELOPE FEDERAL T34-20-17 XRLNB									
FIELD										WATTENBERA									
PROVINCE/COUNTY										WELD									
COUNTRY/STATE										USA/COLORADO									
LOCATION										729' FSL 2354' FEL									
SEC 20		TWP 5N		RGE 62W		Other Services CALVIEW													
Latitude		Longitude		API Number		05-123-49094													
Permanent Datum GL, Elevation 4657 feet																			
Log Measured From KB, 17.00 feet above Permanent Datum																			
Drilling Measured From KB																			
Date										17-JUN-2019									
Run Number										ONE									
Service Order										18188-248084605									
Type Log										URS/CBL									
Depth Driller										17040.00									
Depth Logger										6200.00									
Top Log Interval										0.00									
Bottom Log Interval										6200.00									
Hole Fluid Type										WATER									
Hole Fluid Level										0.00									
Restriction ID										4.892									
Max Recorded Temp										194.40									
Well Head Pressure										0.00									
Well Head Equipment										N/A									
Time Well Ready										R.O.A.									
Time Logger Bottom										SEE LOG									
Unit										14166									
Equipment Name										WSS-E									
Base										CASPER									
Recorded By										BASHEER AL-KAFAF									
Witnessed By										KURT DODGE									

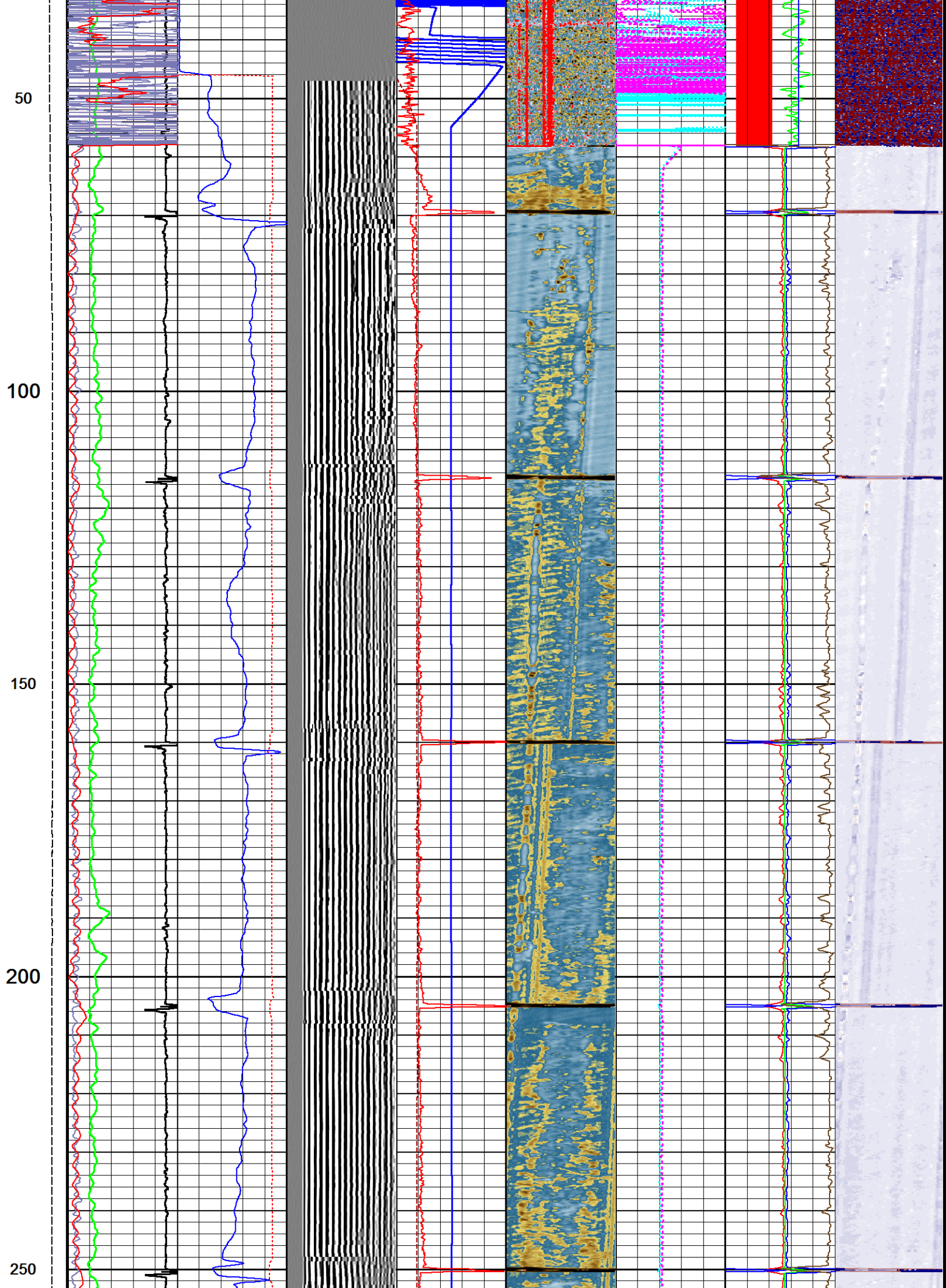
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
CASING	P-110	LT&C	5.500	0.00	17040.00	17.00

REMARKS
-DEPTH CONTROL SYSTEM BENCHMARK, Z-CHART
-LOGGING WAS CORRELATED TO RIG KB @ 17' ABOVE GROUND LEVEL.
-100% STANDARD FREE PIPE AMPLITUDE IN CASING 5.5" 17 PPF IS 72 MV.
-MAX RECORDED TEMPERATURE 194.4 F
-TOC ESTIMATED @ 500'
-CREW: AARON BITTLESTON, JAMES HAYCOCK
-WEATHERFORD WIRELINE SERVICES!

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.



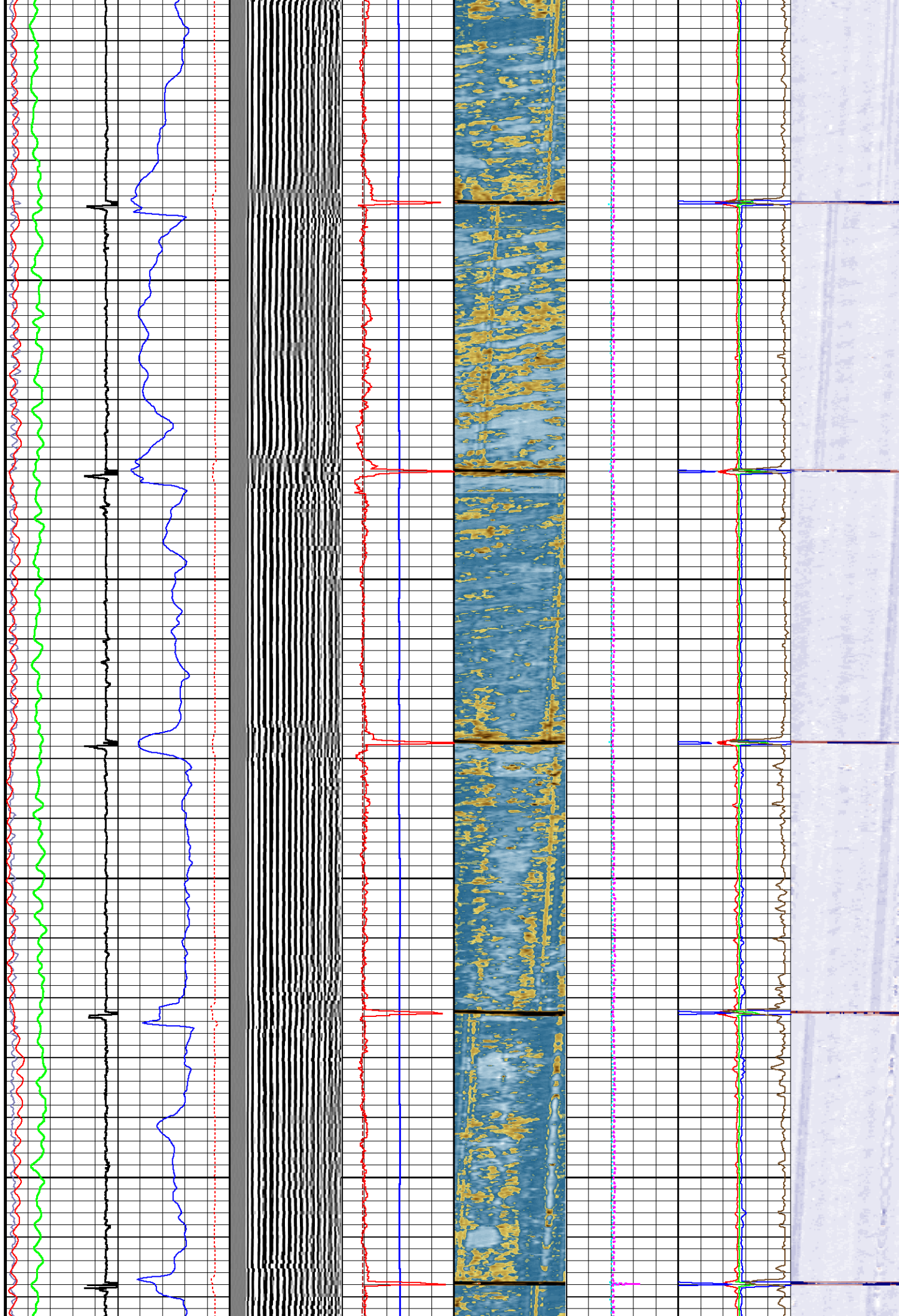


300

350

400

450

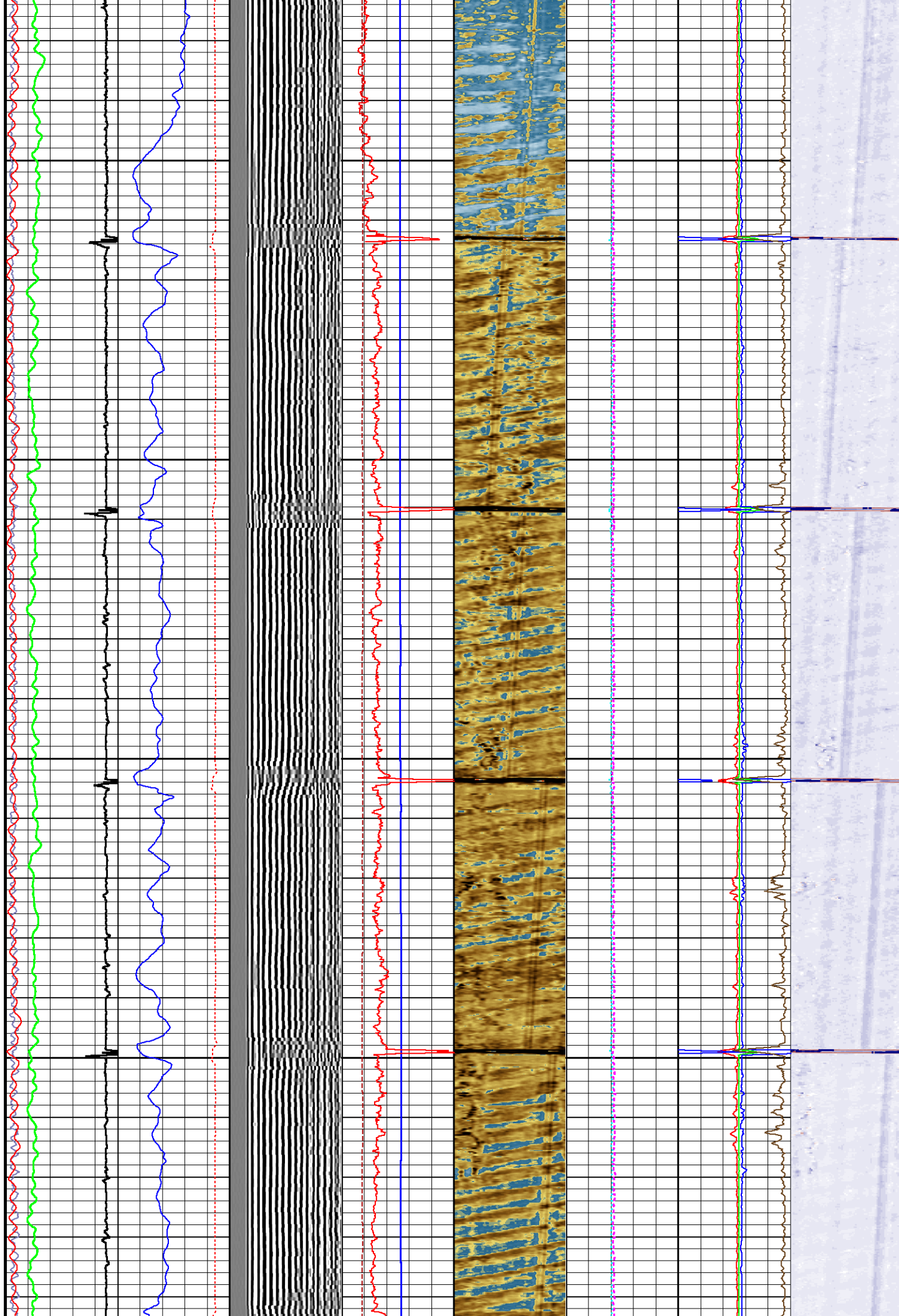


500

550

600

650



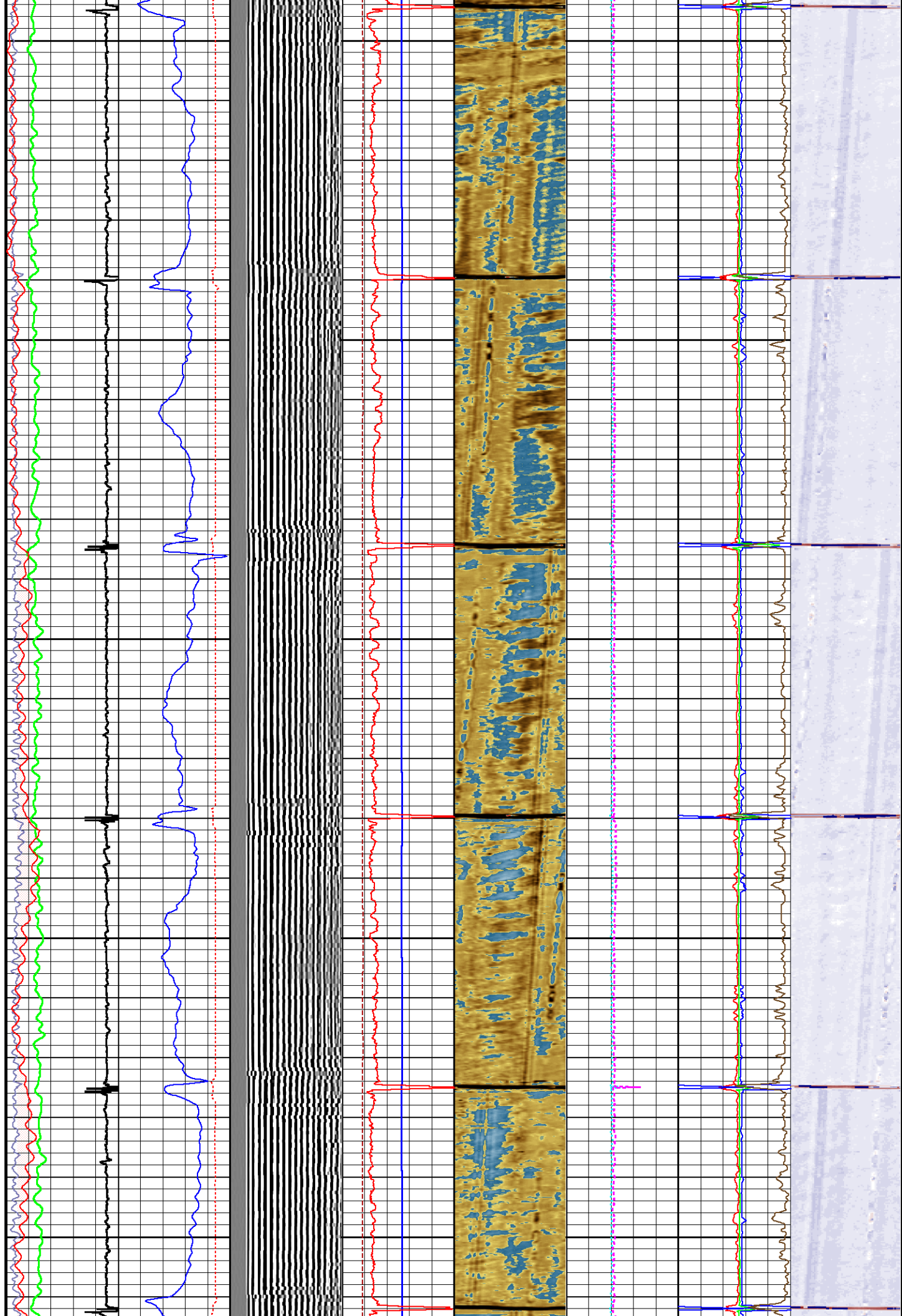
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750

800

850

900

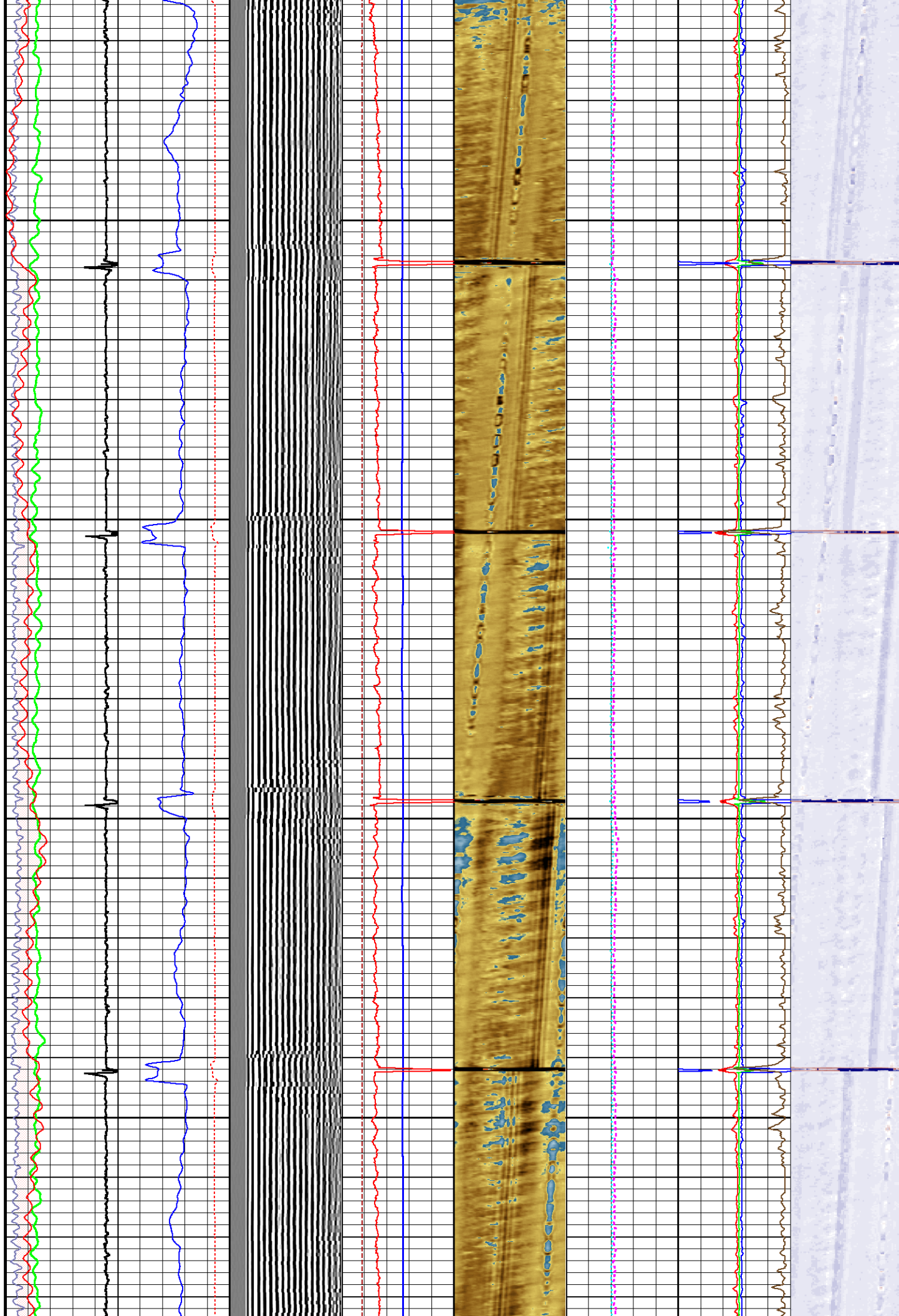


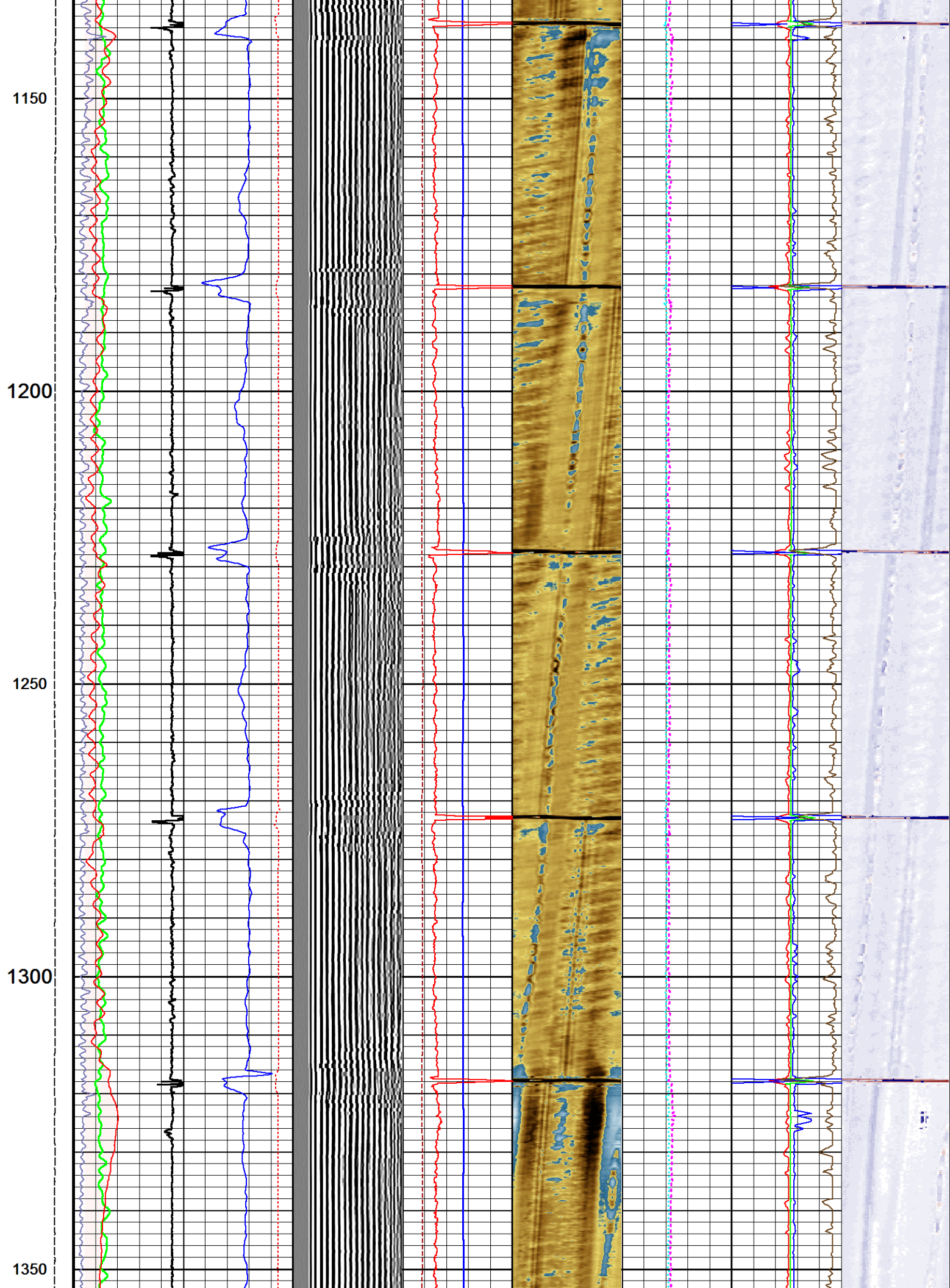
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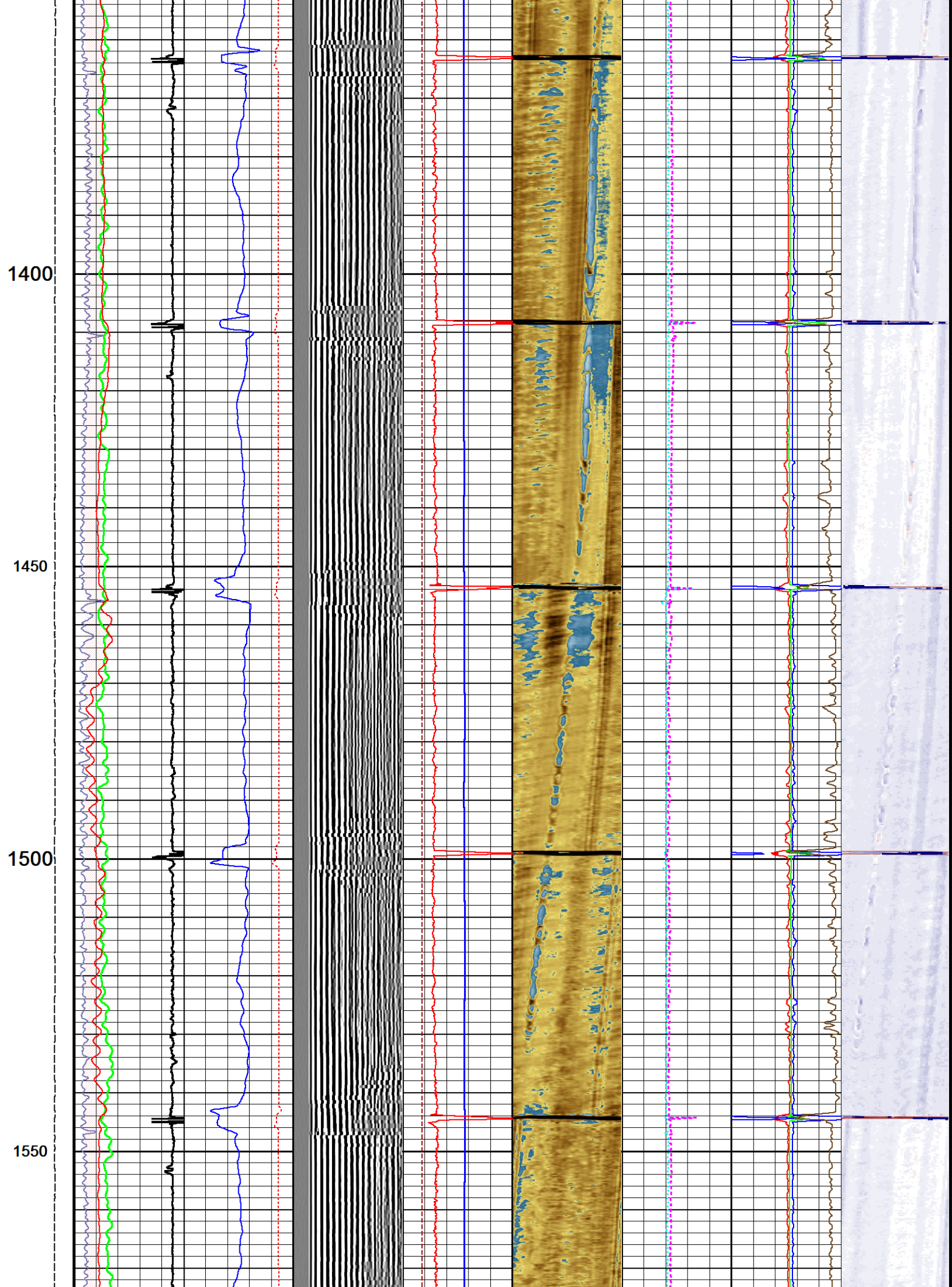
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1100





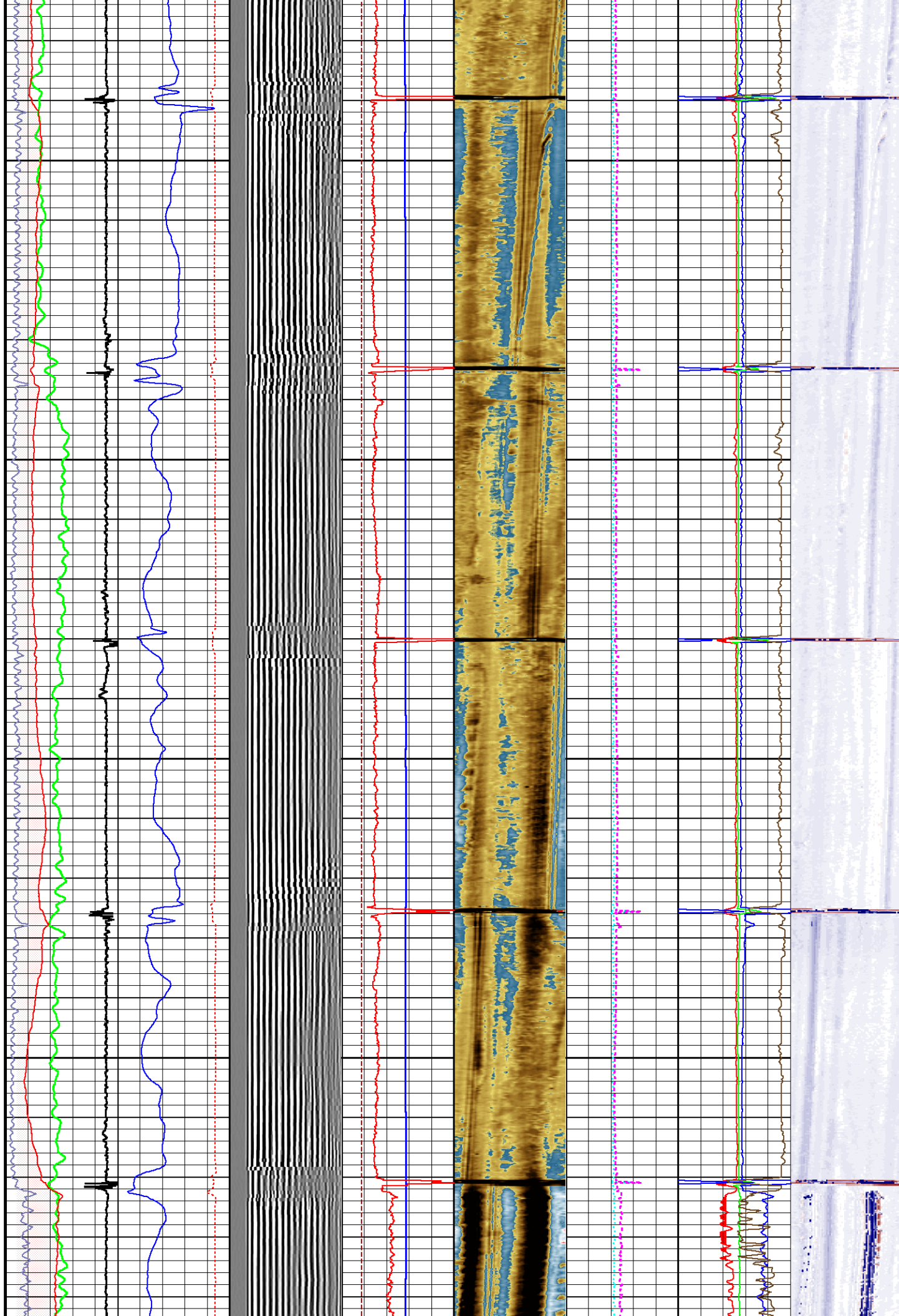


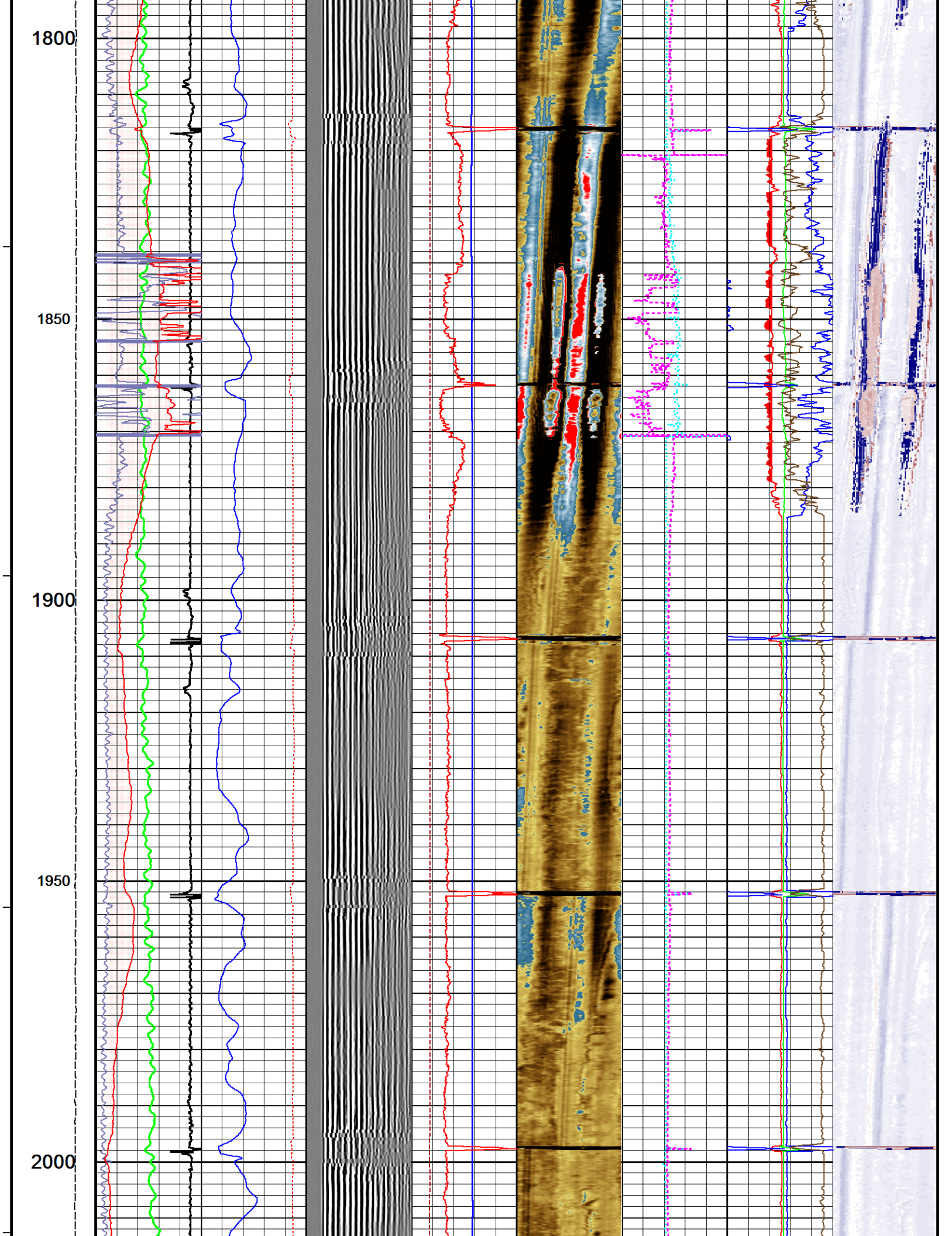
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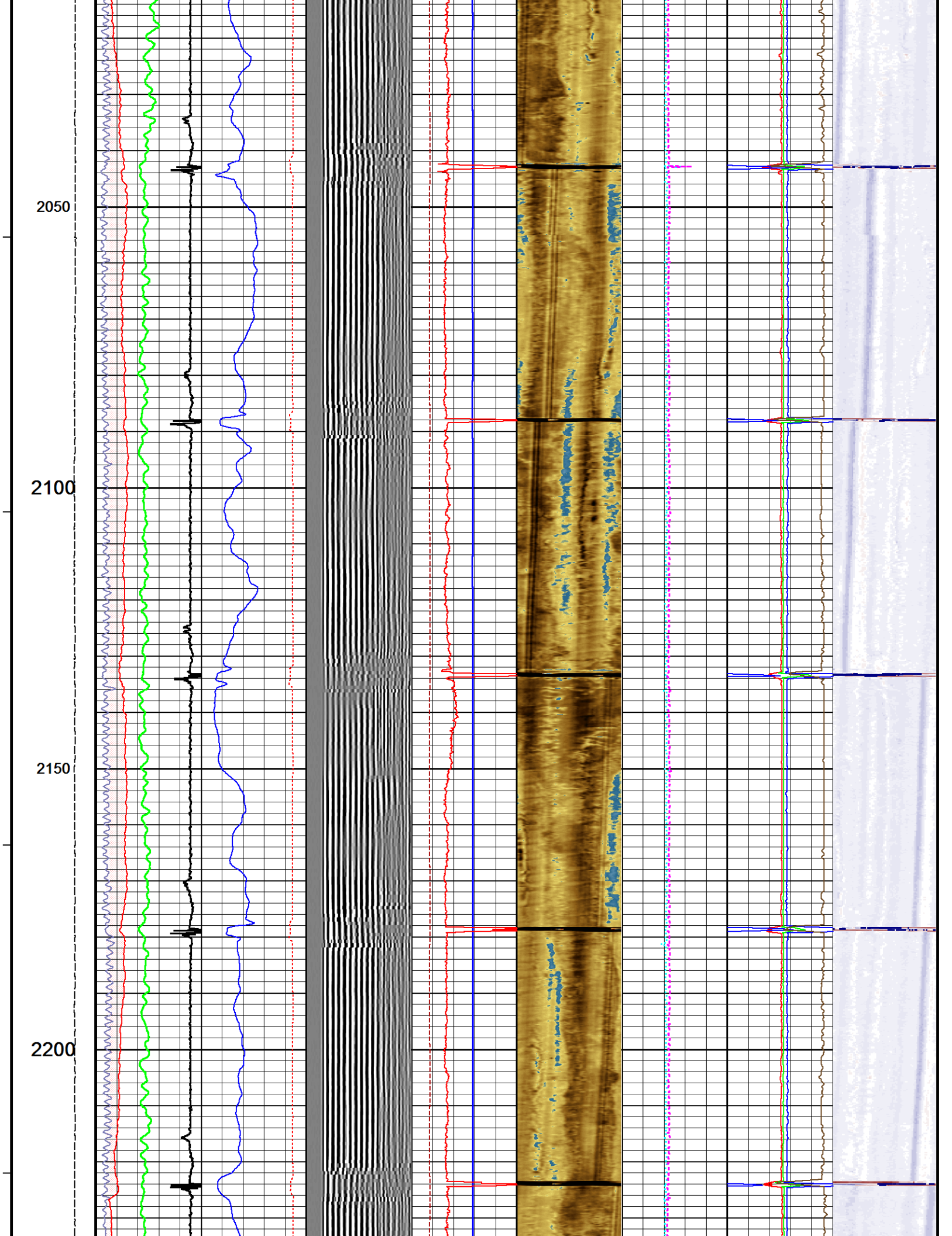
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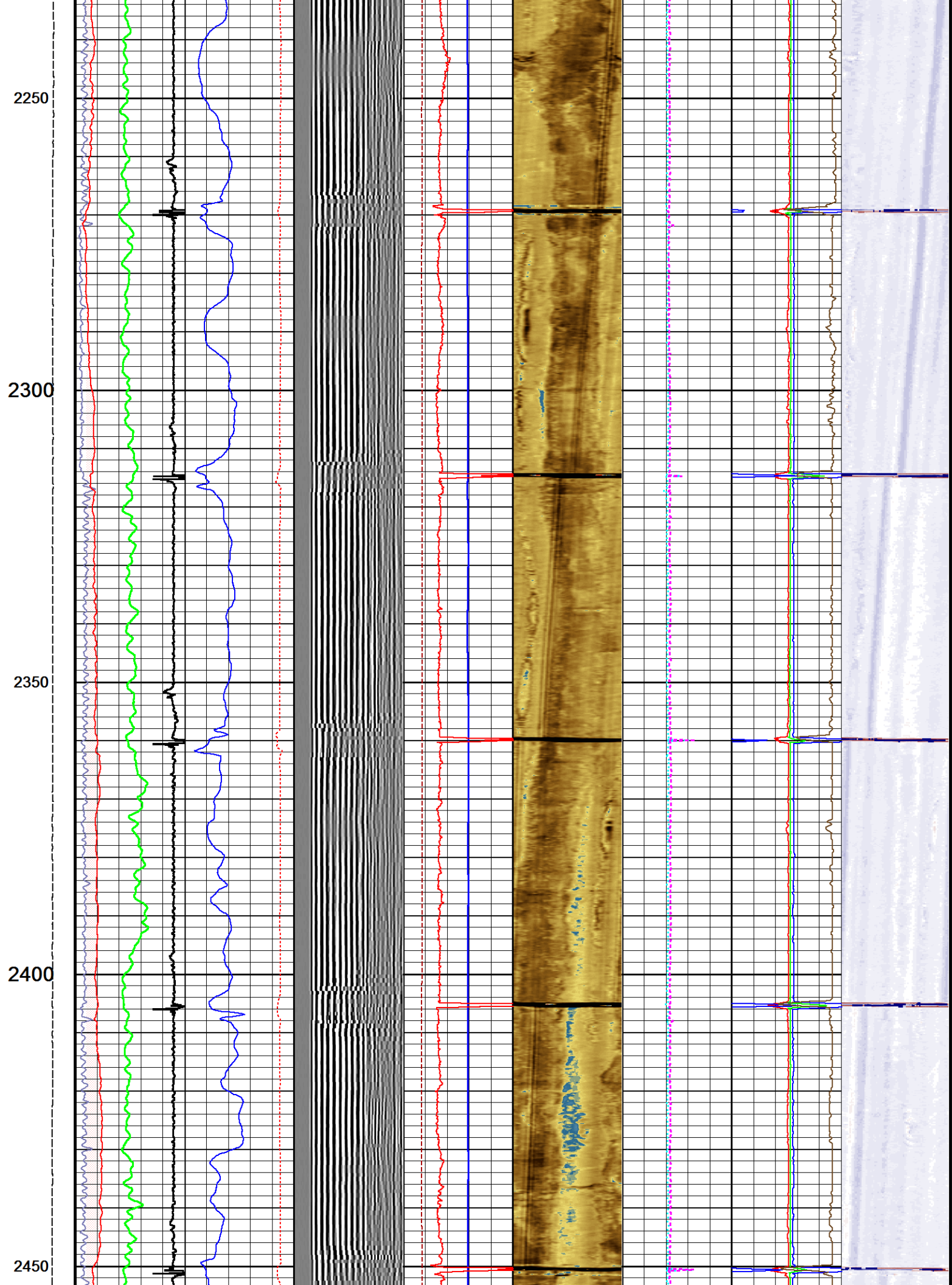
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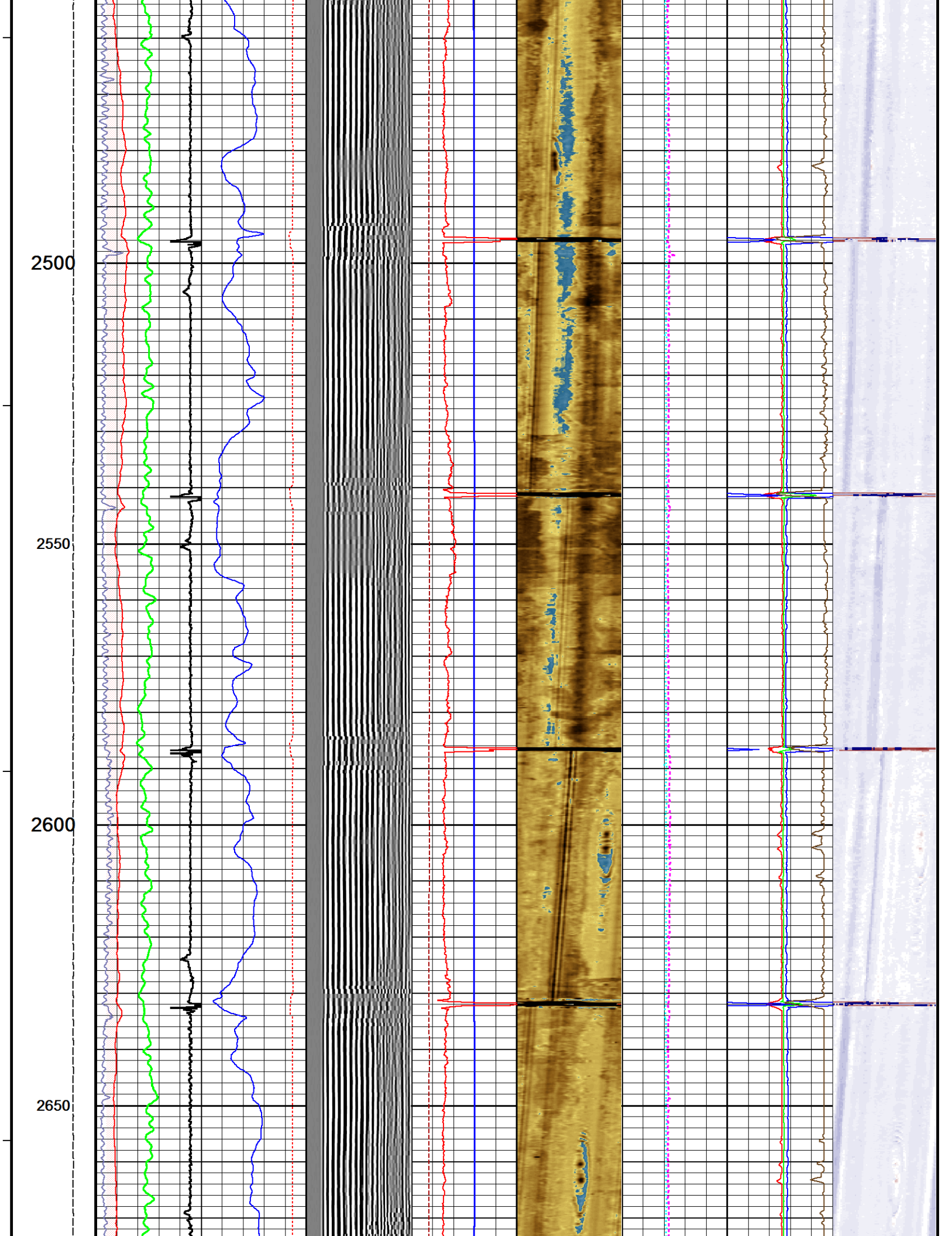
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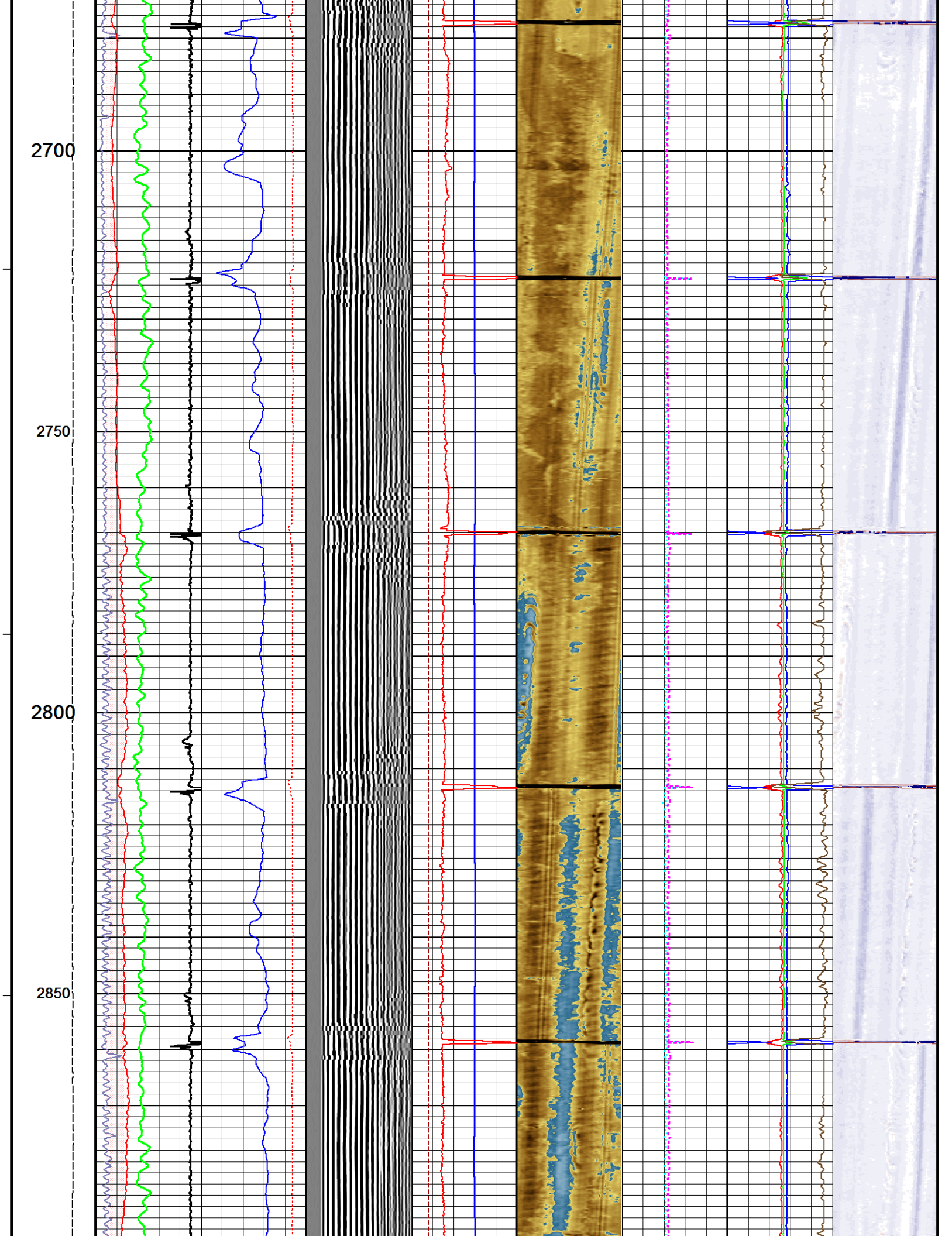












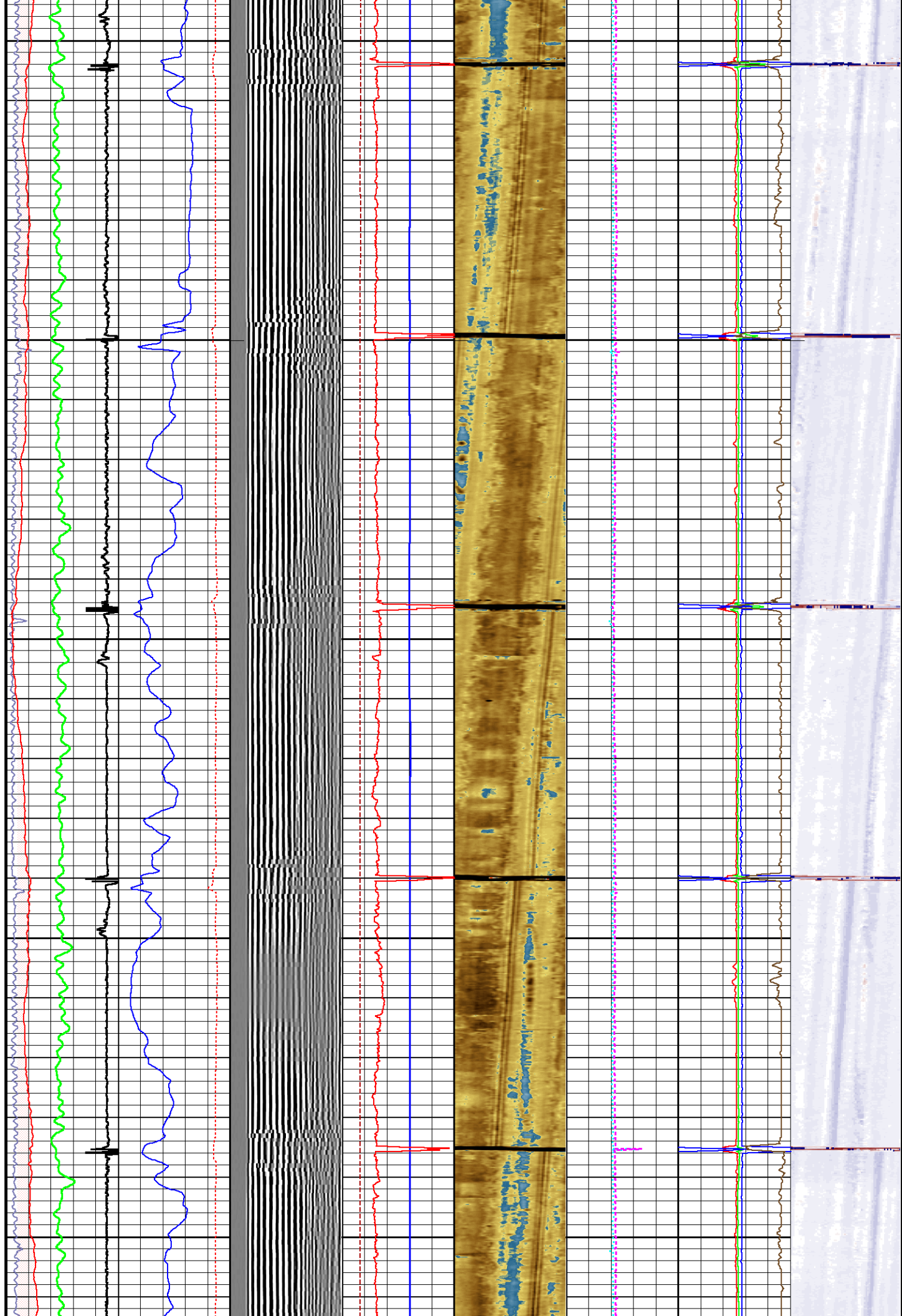
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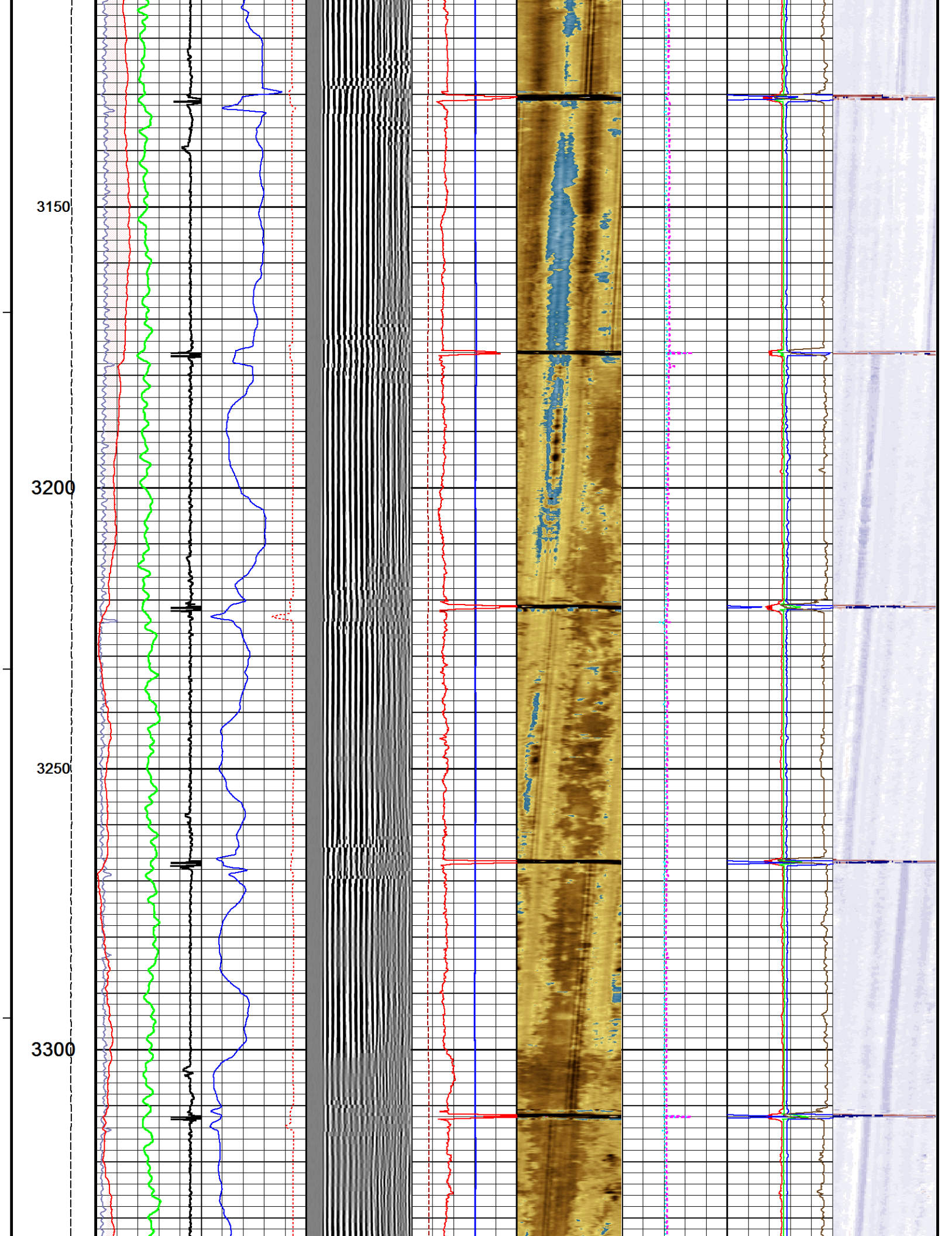
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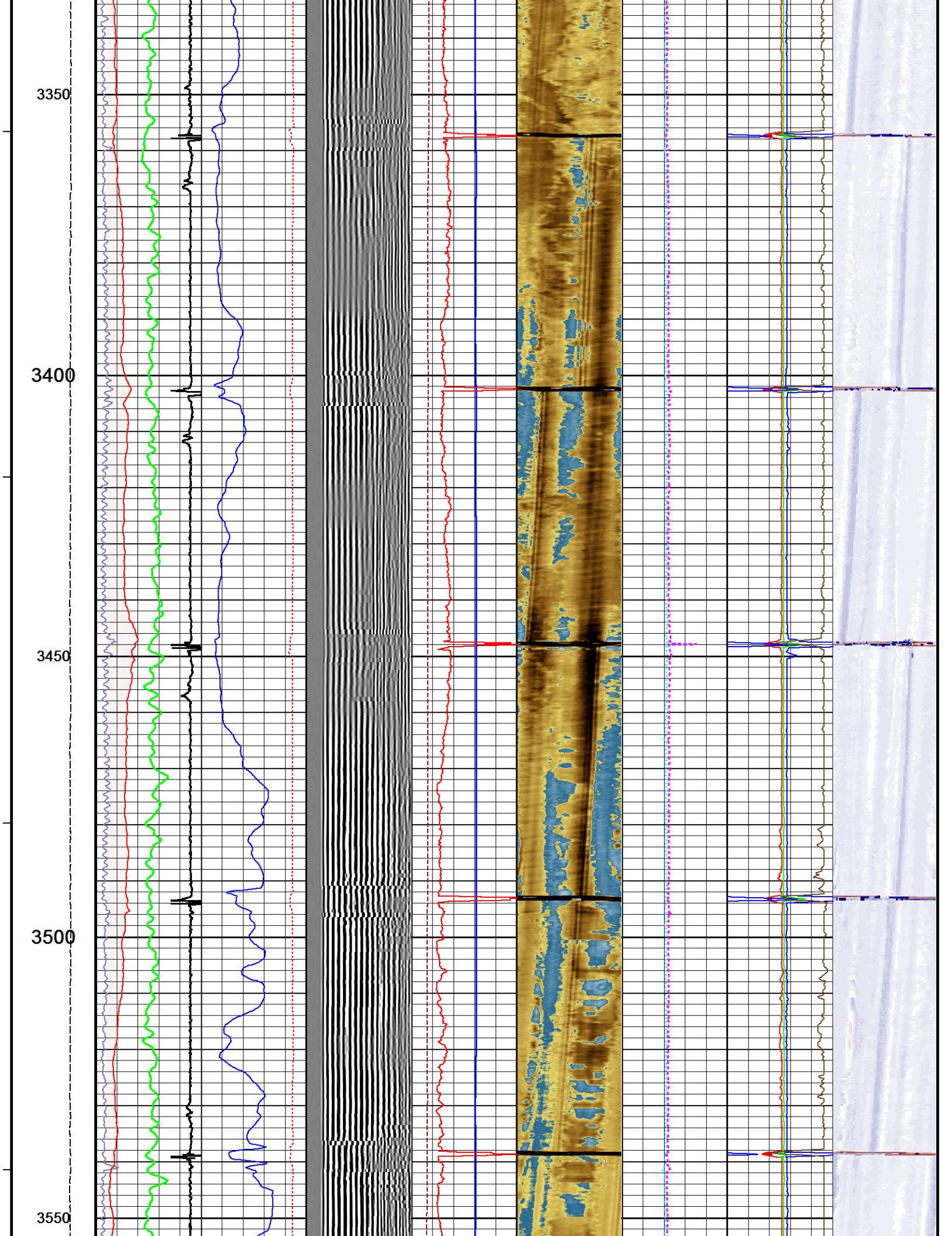
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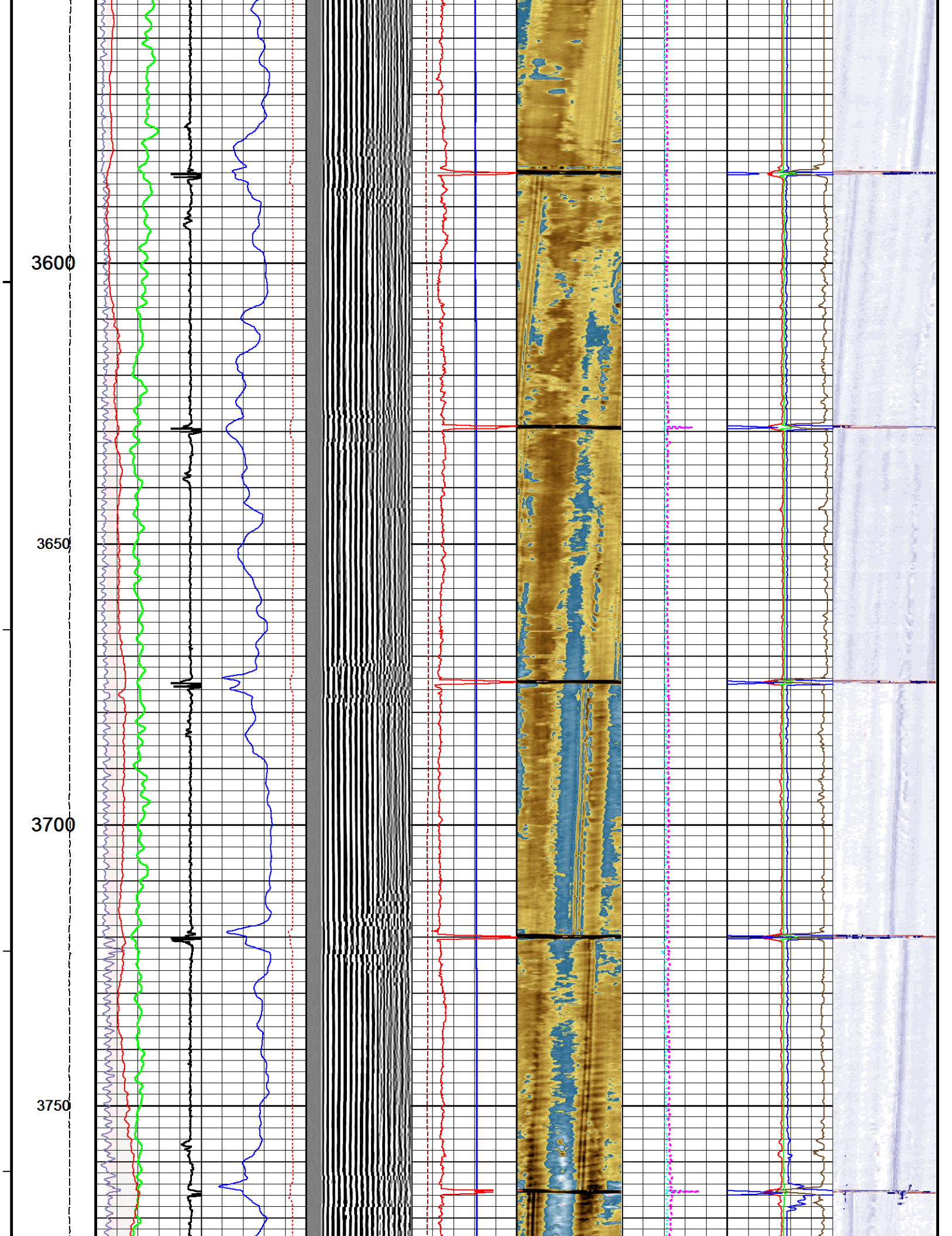
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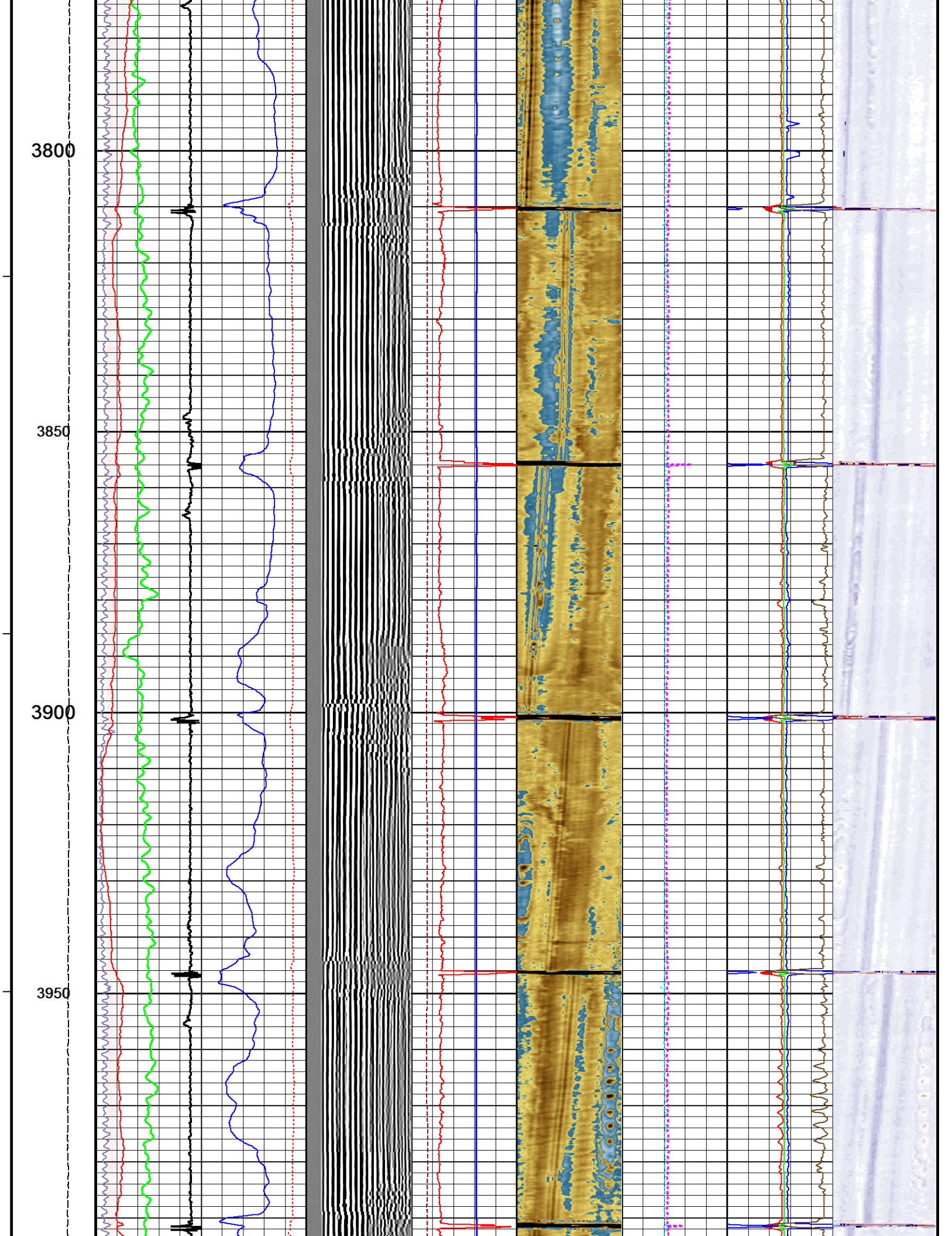
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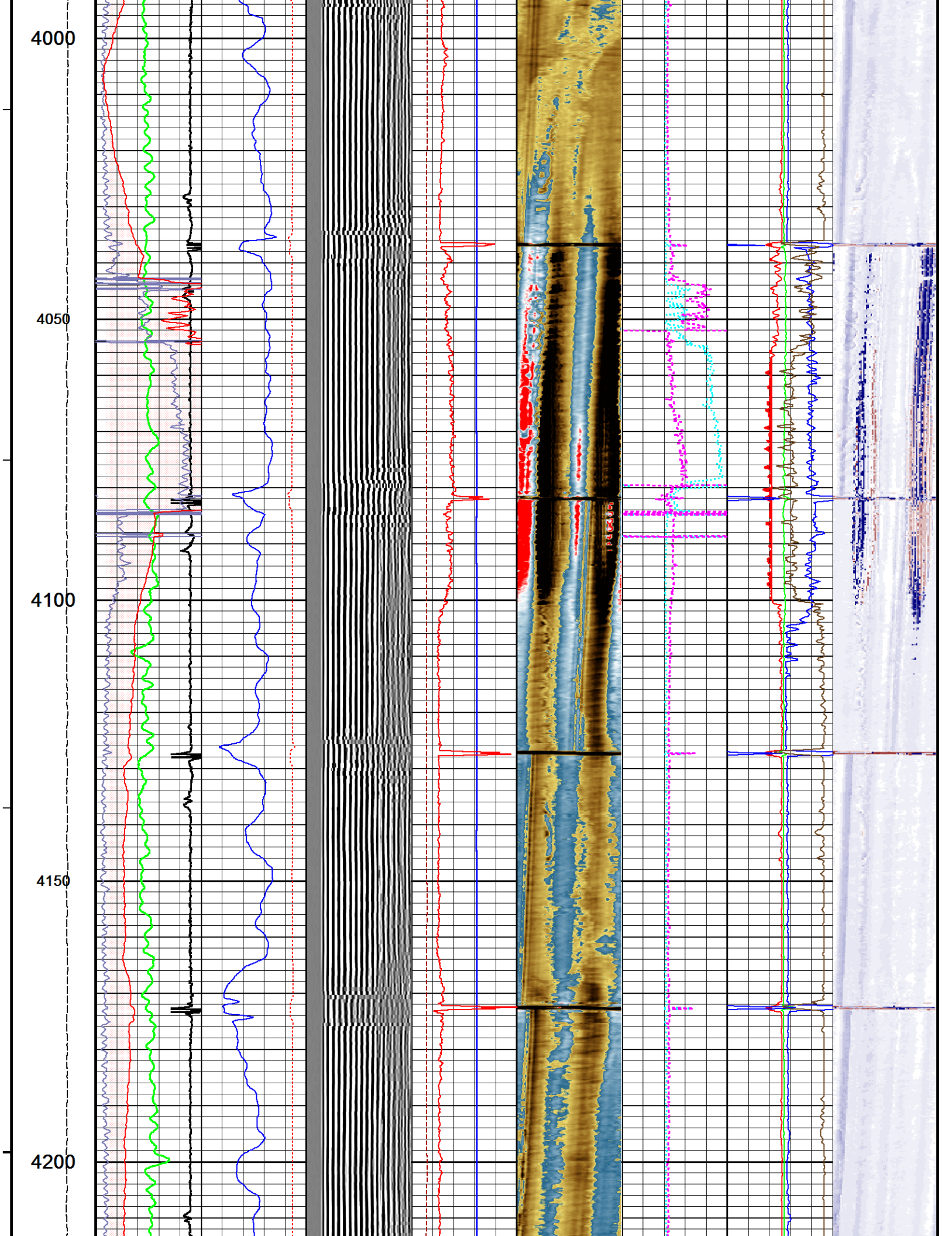


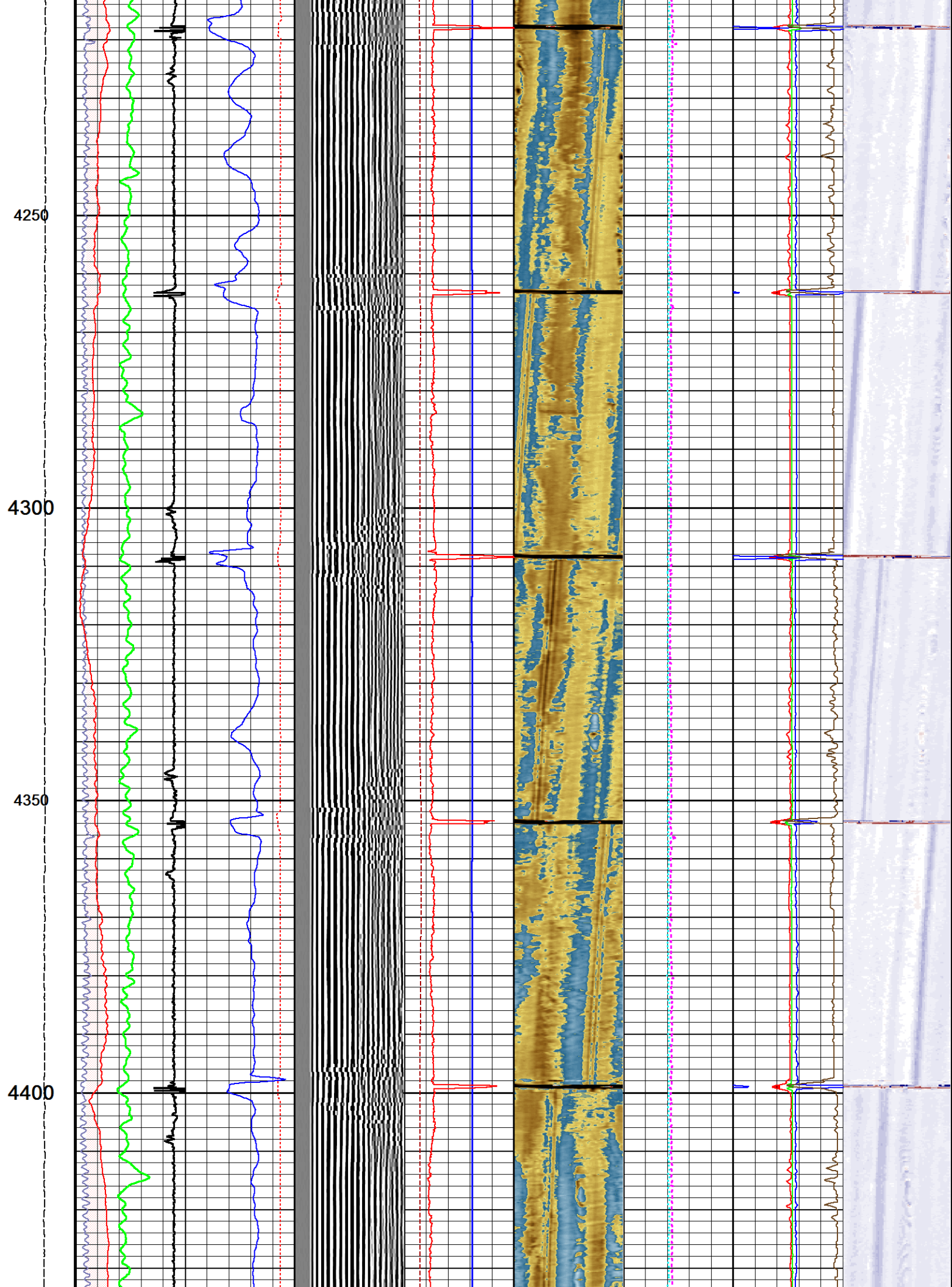


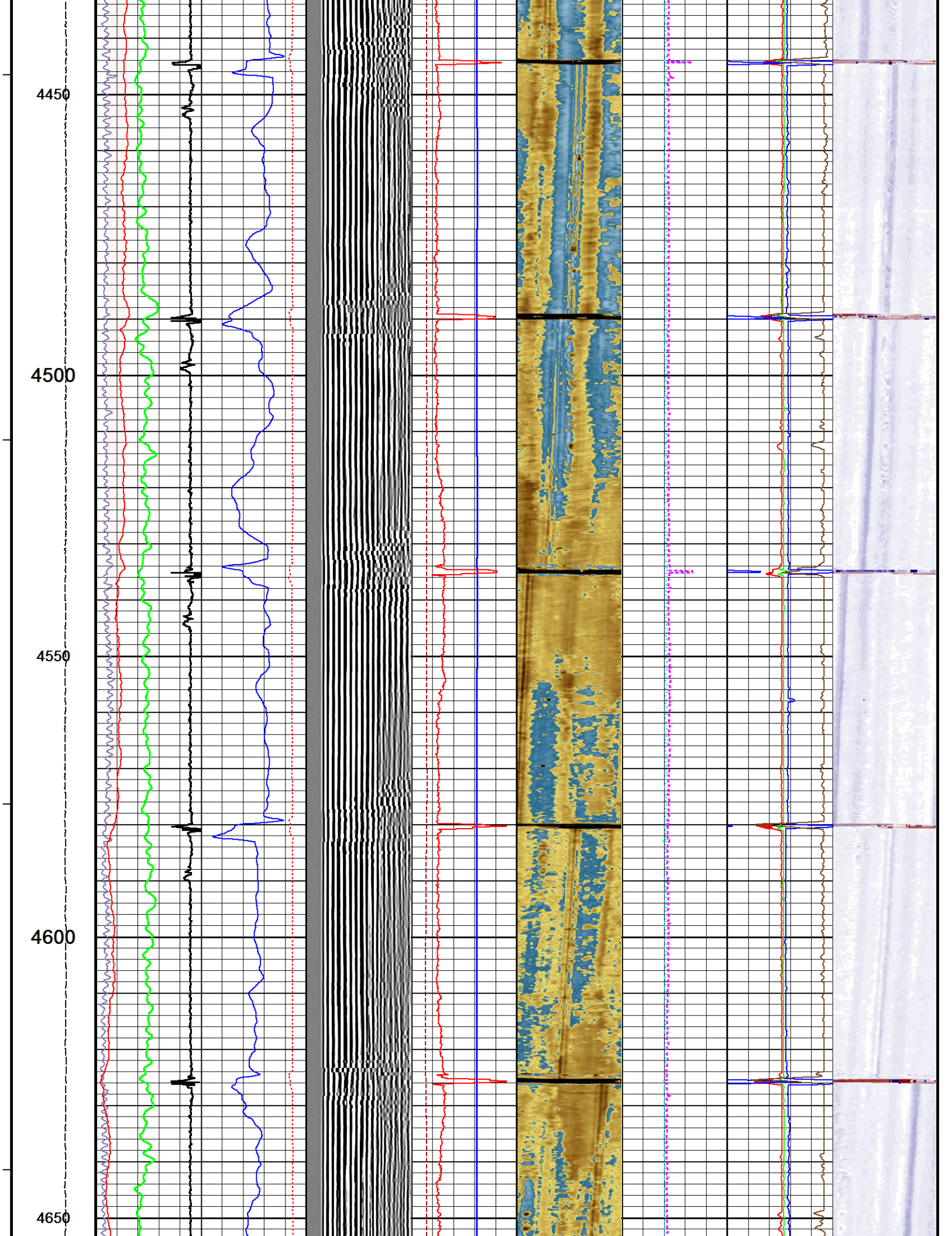










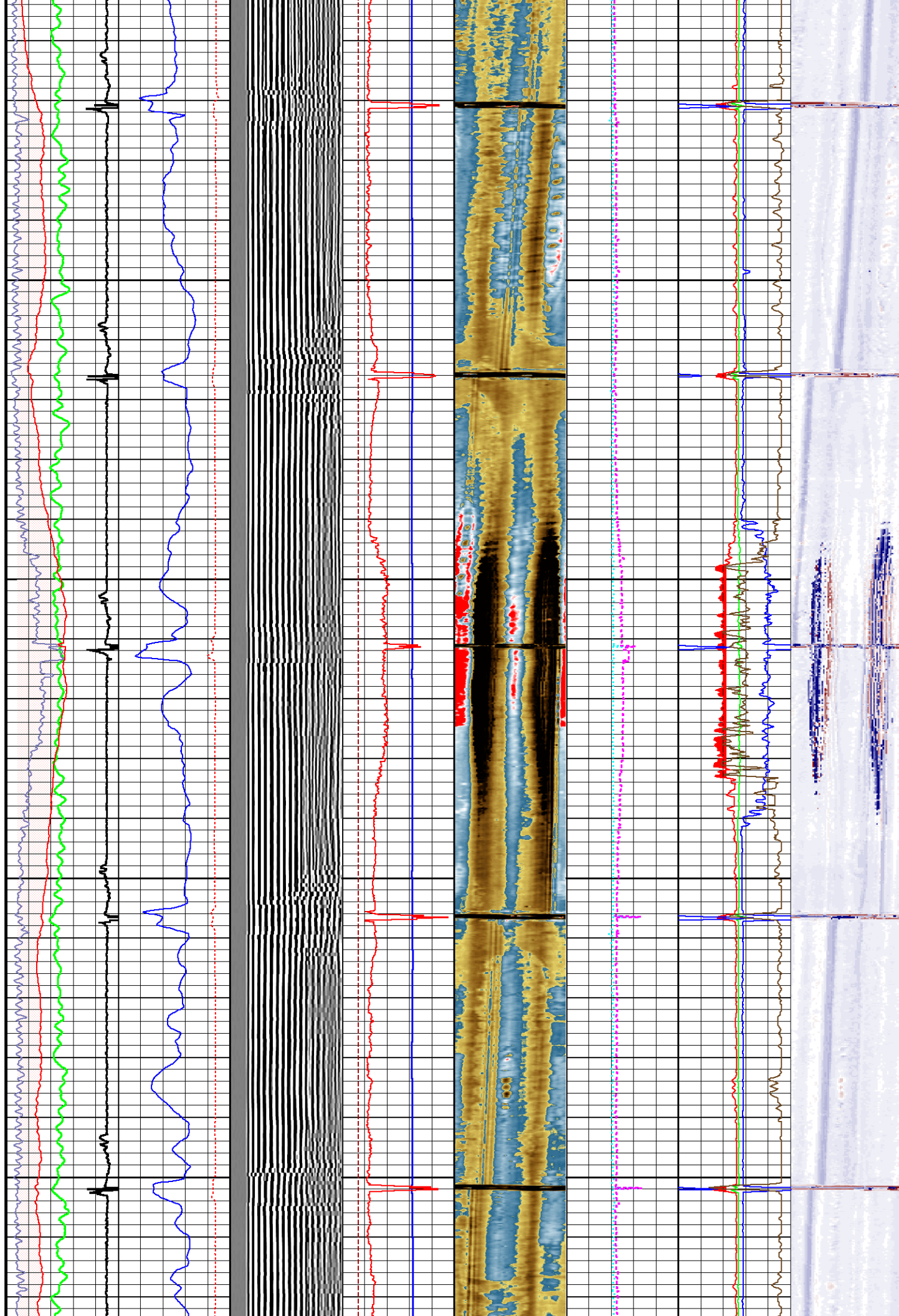


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4750

4800

4850

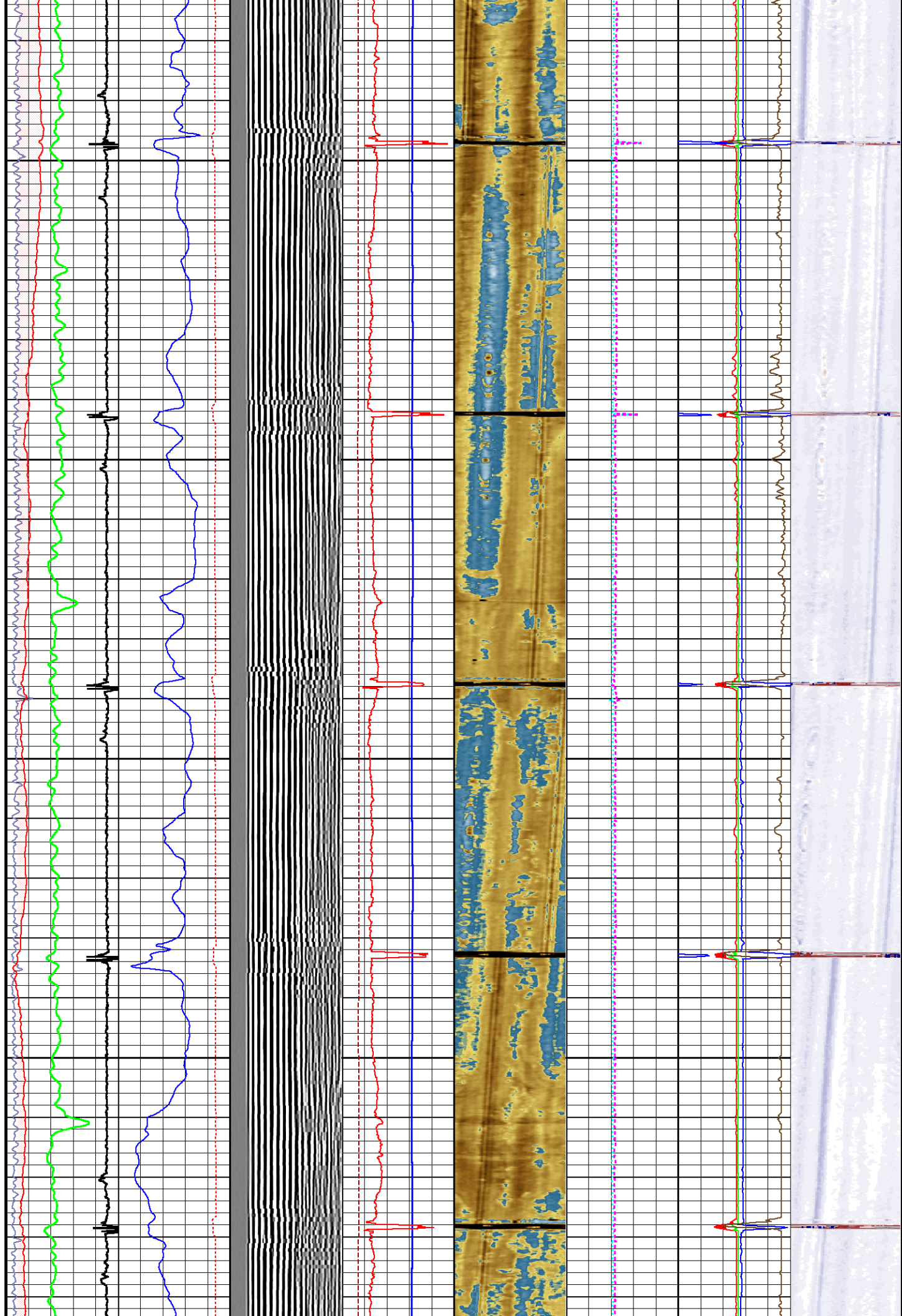


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4950

5000

5050



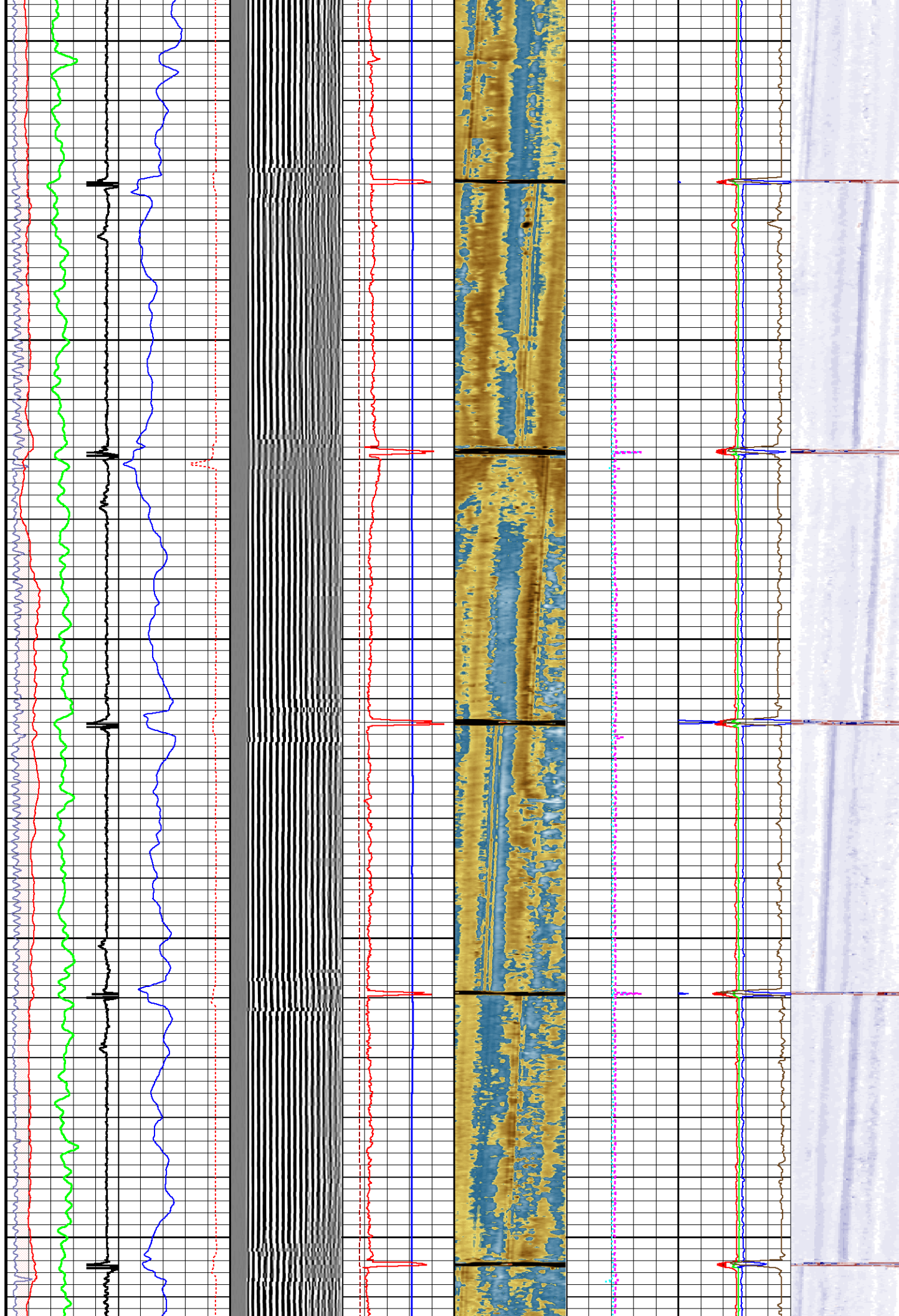
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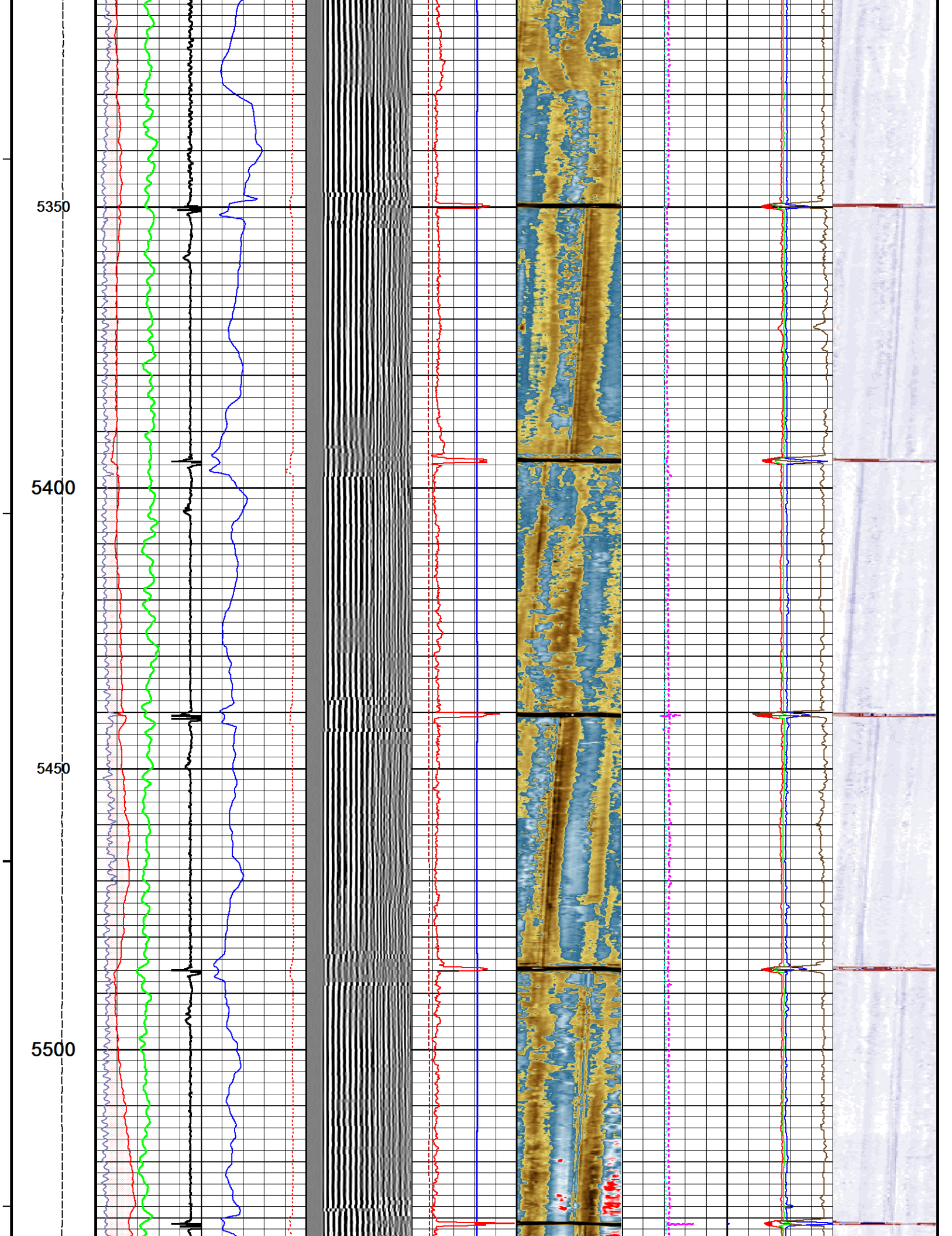
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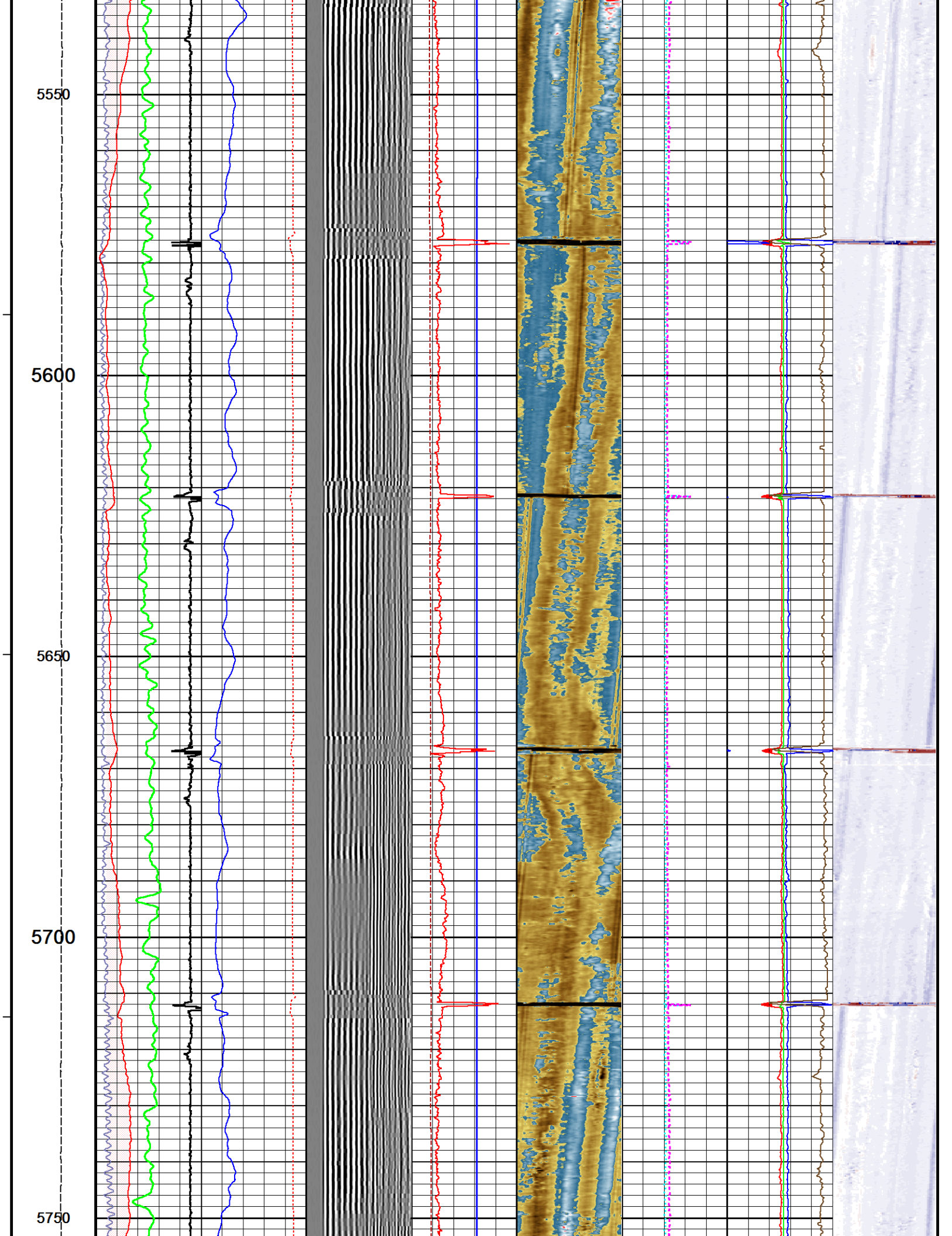
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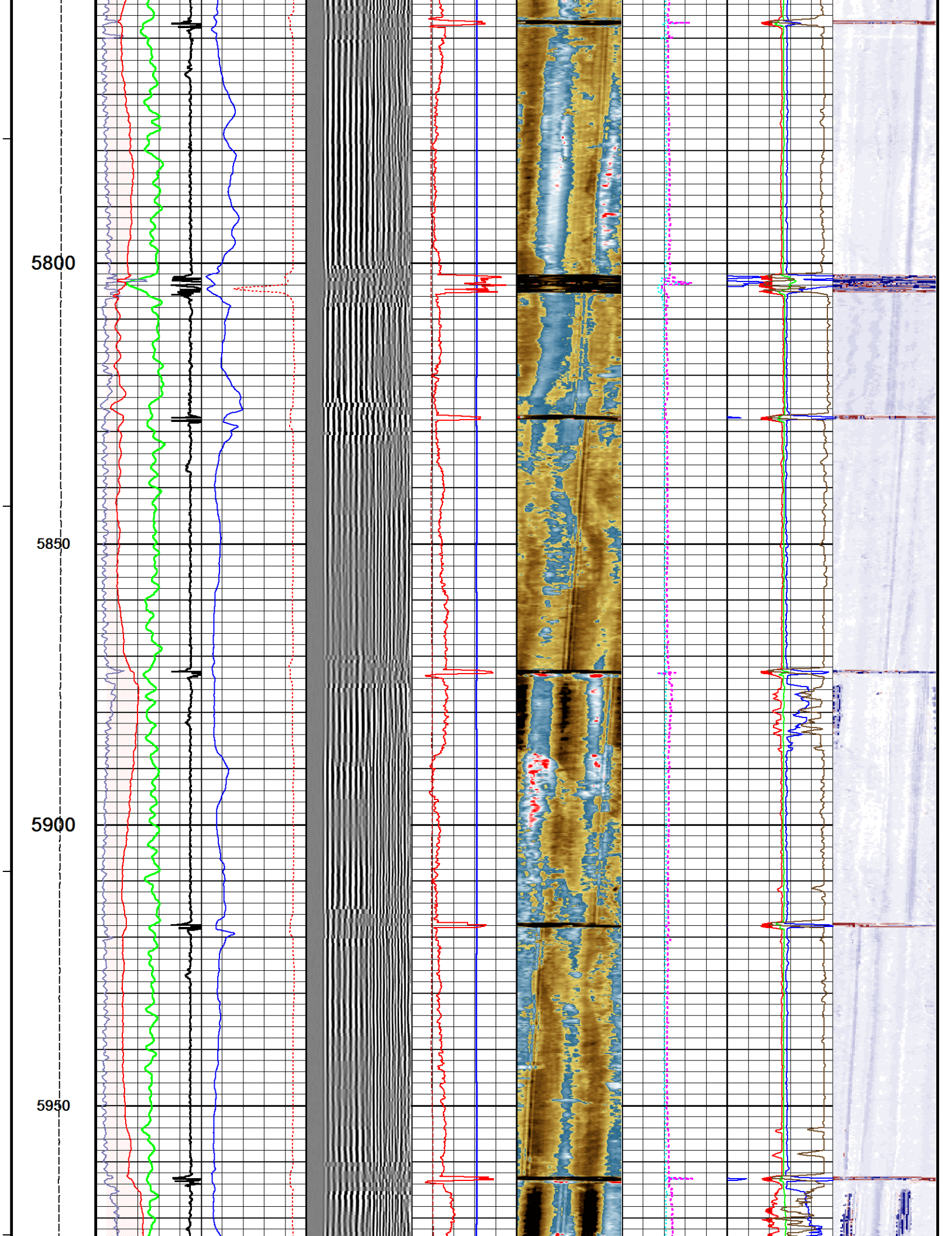
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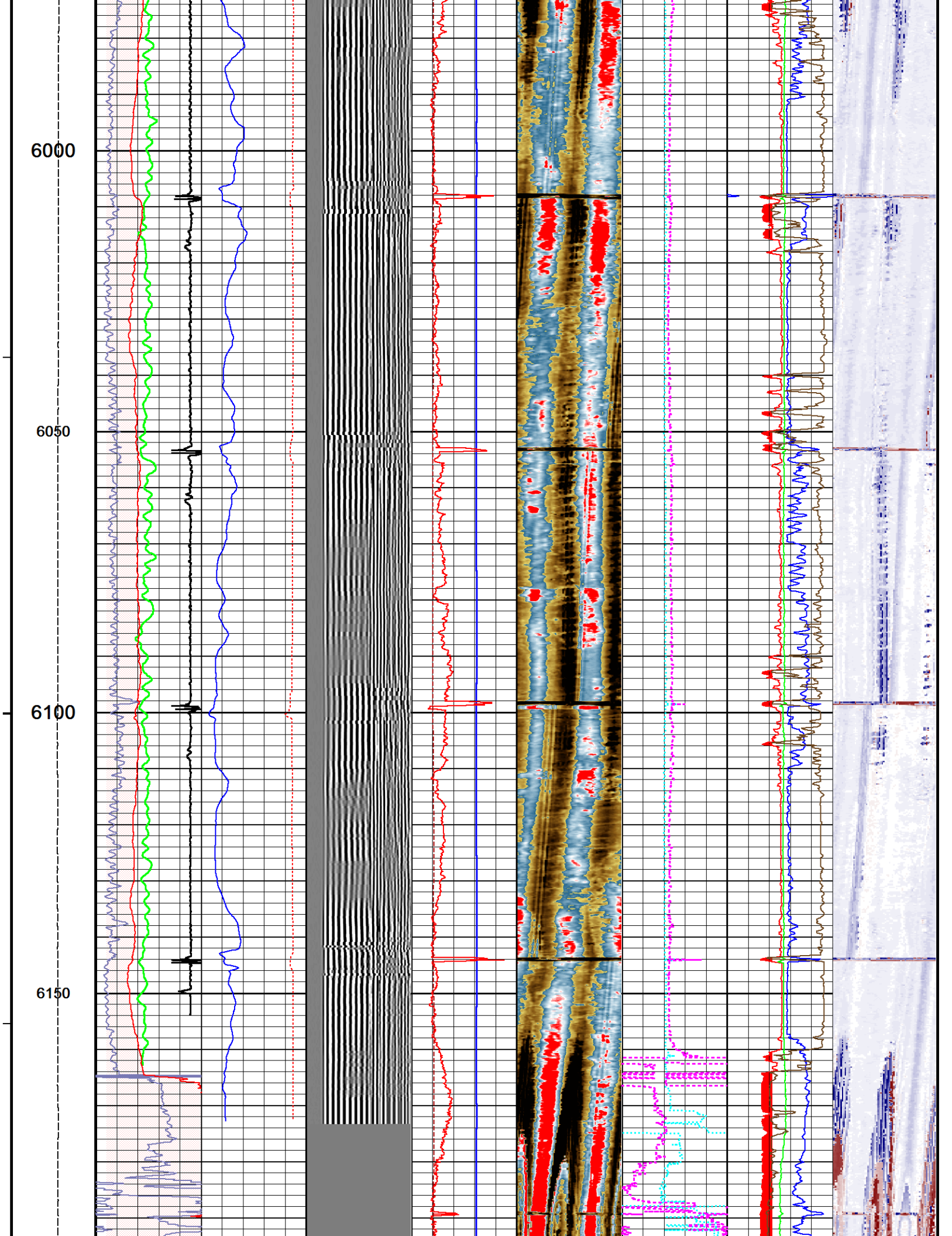
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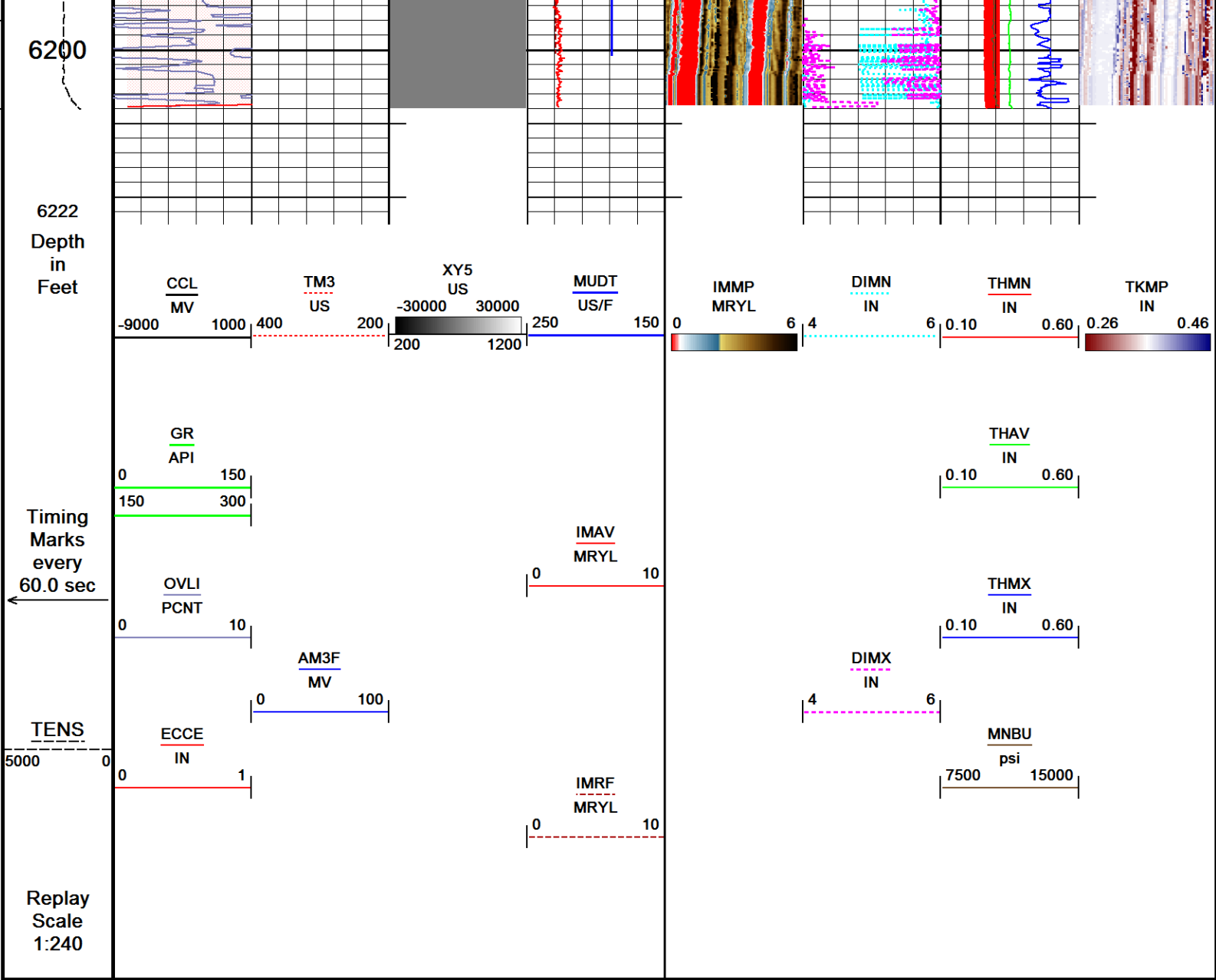












Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 19-JUN-2019 20:27

Filename: C:\WLS\Bonanza creek\ANTELOPE FEDERAL T34-20-17-XRLNB\splice.dta

Recorded on 19-JUN-2019 14:02

System Versions: Processed with 19.01.8879 Plotted with 19.01.8879

MAIN PASS

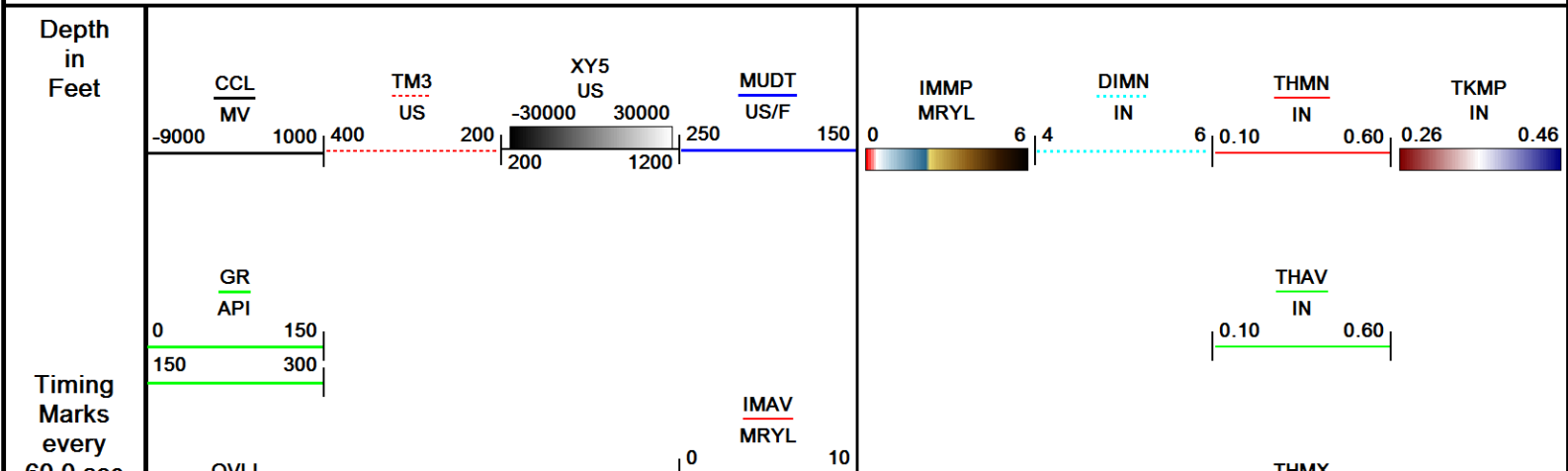
Depth Based Data - Maximum Sampling Increment 2.5cm

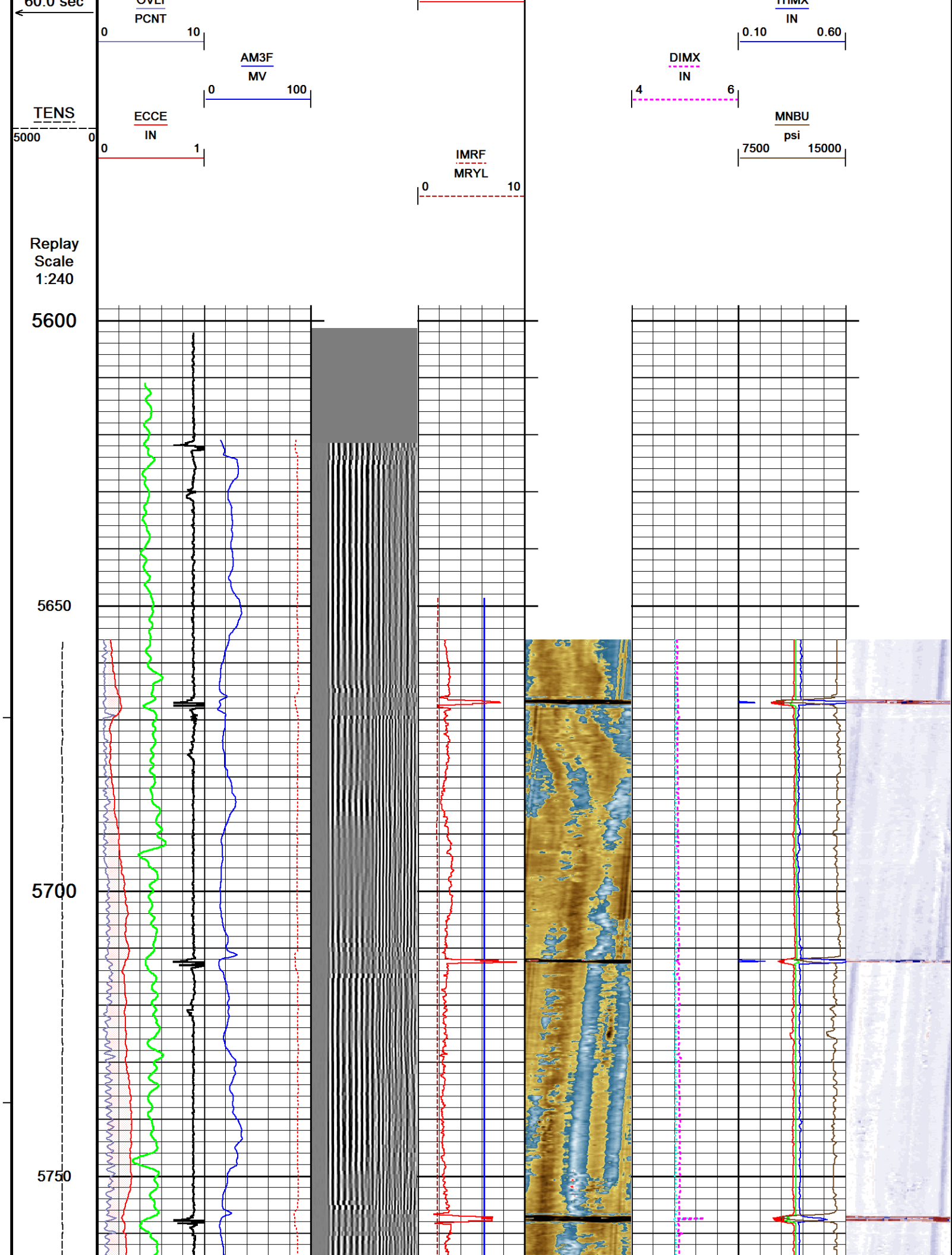
Plotted on 19-JUN-2019 20:27

Filename: ...ANTELOPE FEDERAL T34-20-17-XRLNB _ ULTRAVIEW - BONDVIEW_REPEAT PAS...

Recorded on 19-JUN-2019 20:25

System Versions: Logged with 19.01.8879 Plotted with 19.01.8879



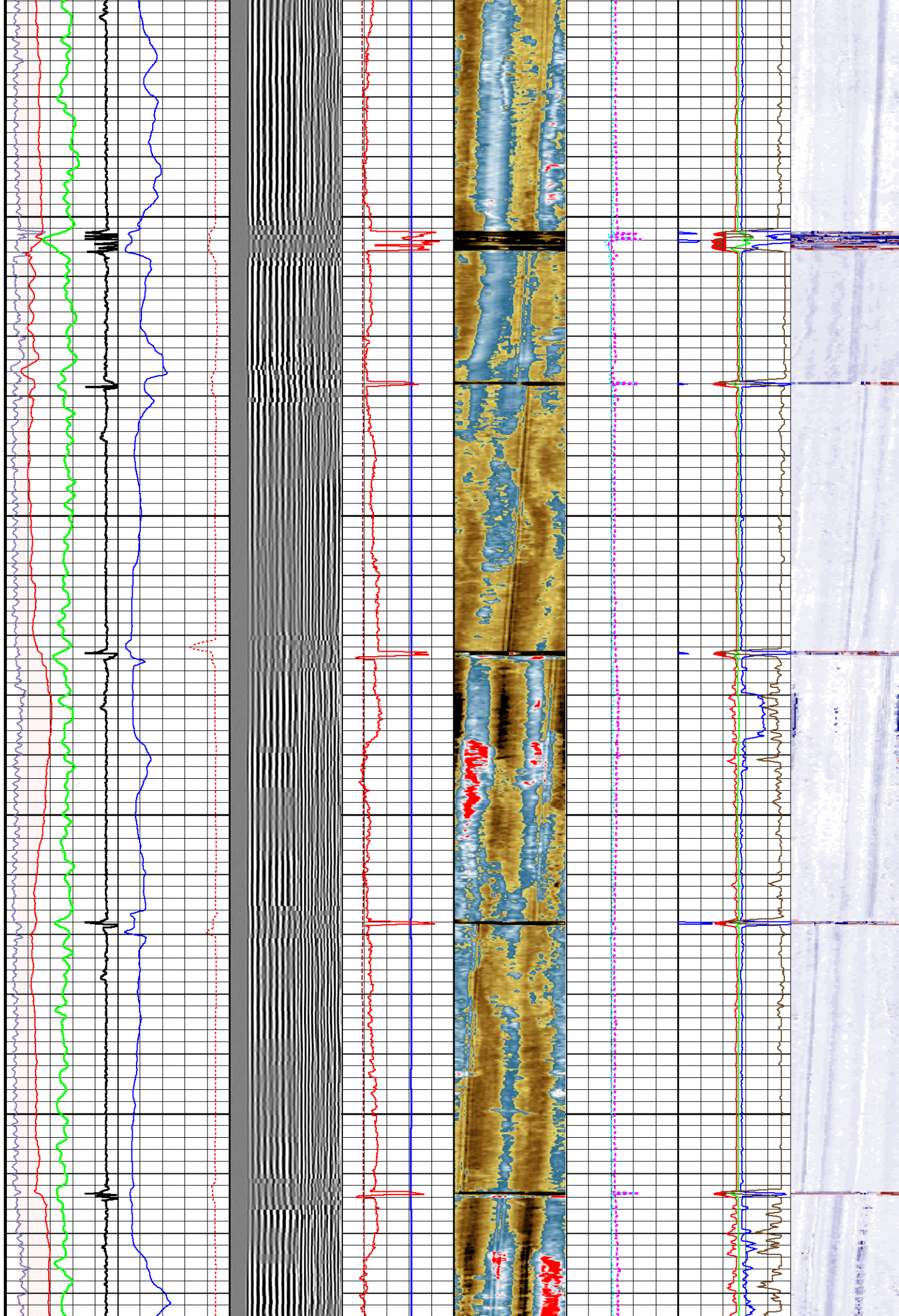


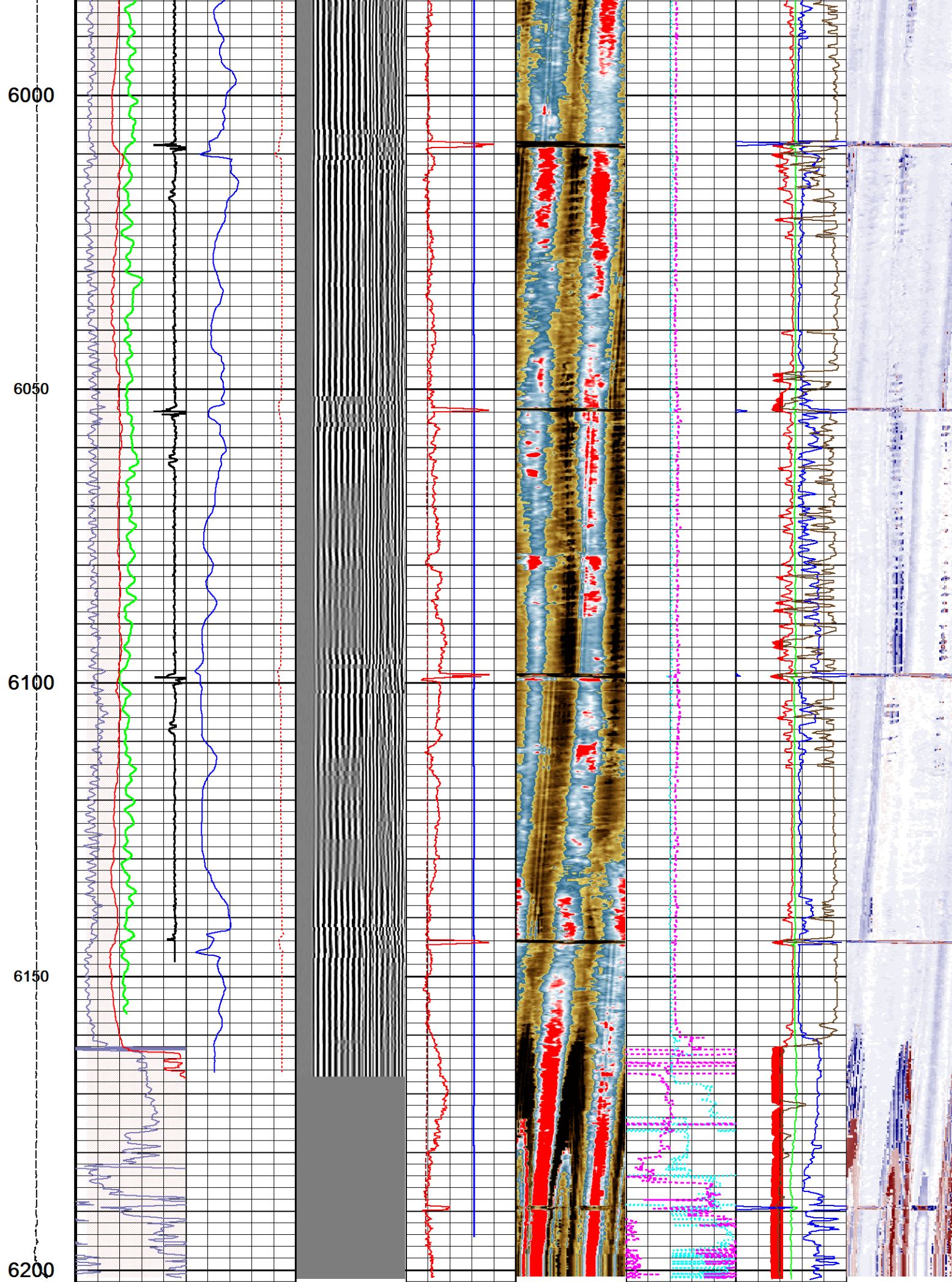
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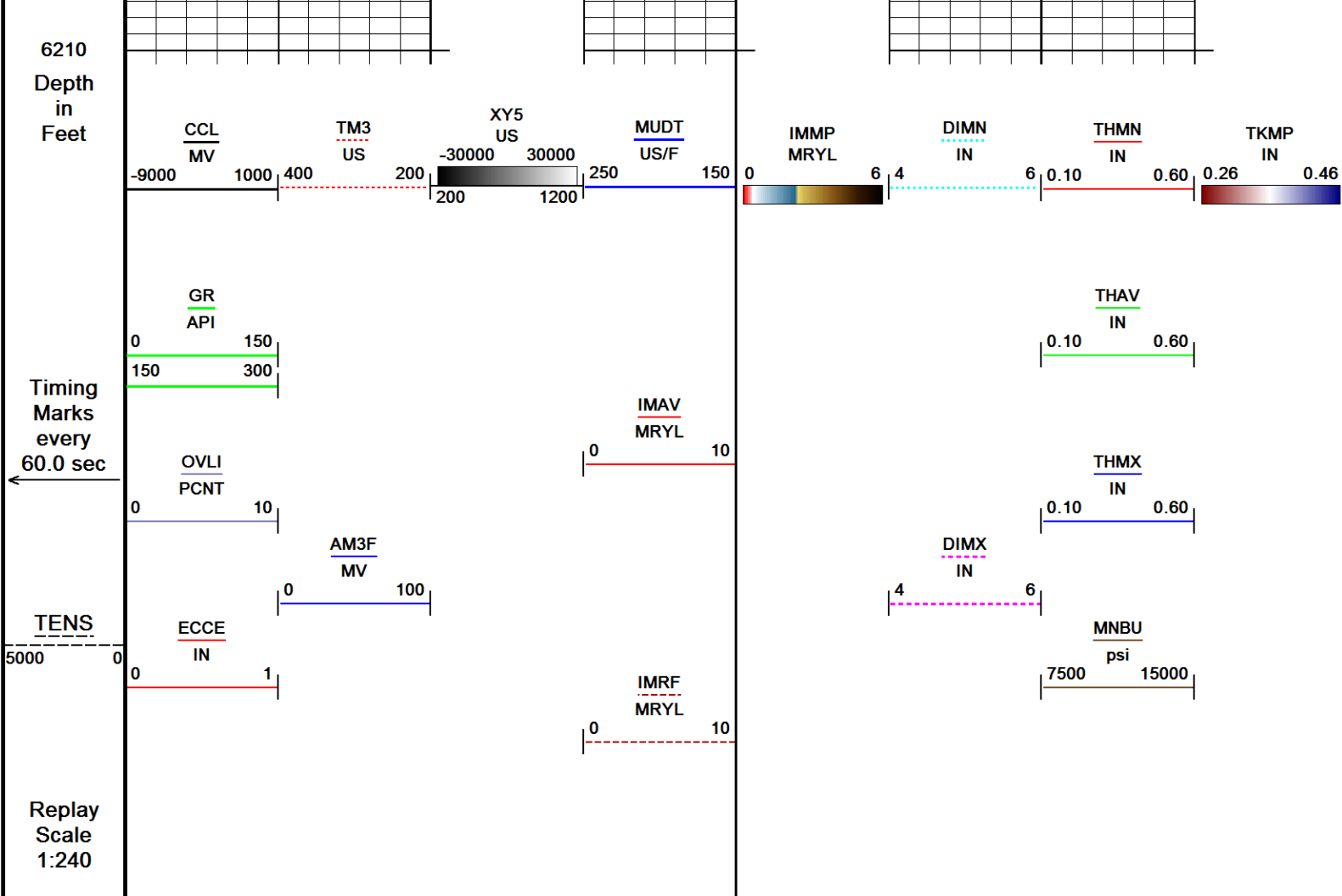
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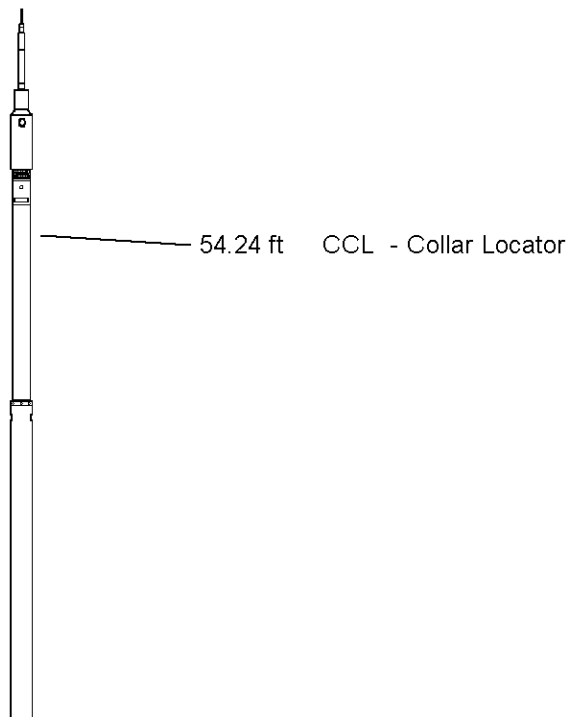
Depth Based Data - Maximum Sampling Increment 2.5cm
Plotted on 19-JUN-2019 20:27
Filename: ...ANTELOPE FEDERAL T34-20-17-XRLNB _ ULTRAVIEW - BONDVIEW_REPEAT PAS...
Recorded on 19-JUN-2019 20:25
System Versions: Logged with 19.01.8879 Plotted with 19.01.8879

↑ REPEAT PASS ↑

DOWNHOLE EQUIPMENT

C:\WLS\Bonanza creek\ANTELOPE FEDERAL T34-20-17-XRLNB\splice.dta

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



Crossover 1-pin to 55-pin for WCC-D
XOV-WC 120 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

Casing Collar Locator, 55 pin
CCL-WA 142 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

Communication Cartridge 55pin 3-3/8in
WCC-DA 141 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

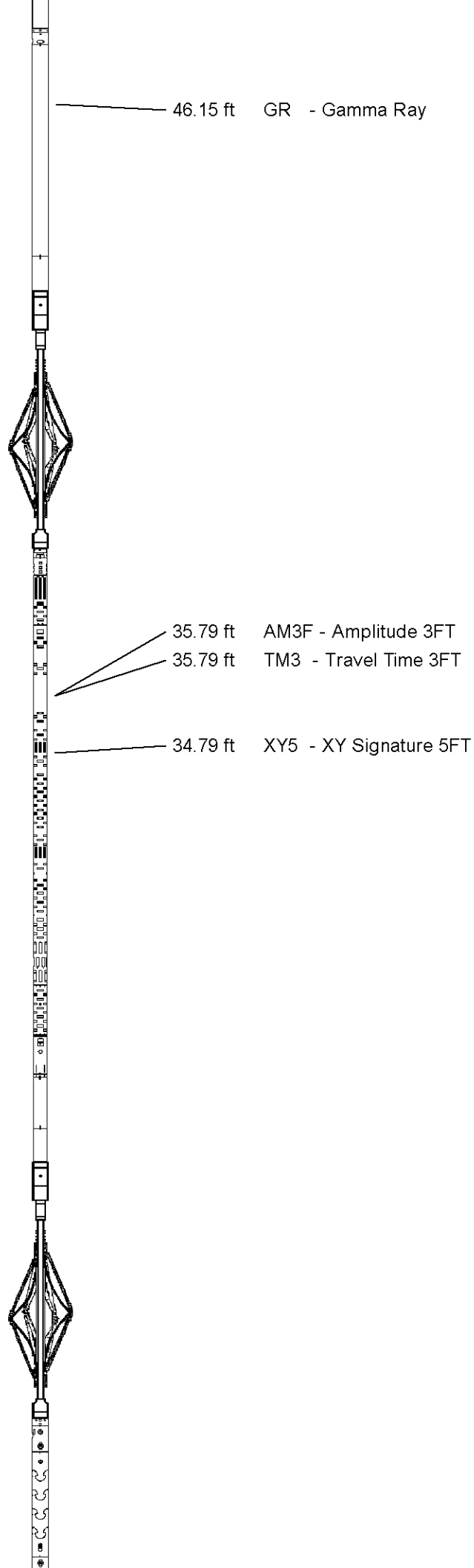
Gamma Ray
UGR-JD 108 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

55 pin Roller Centralizer
CEN-XA 185 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 203 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Flexible Joint, 55 Pin
FTP-AA 159 LG: 3.44 ft WT: 77.2 lb OD: 3.346 in



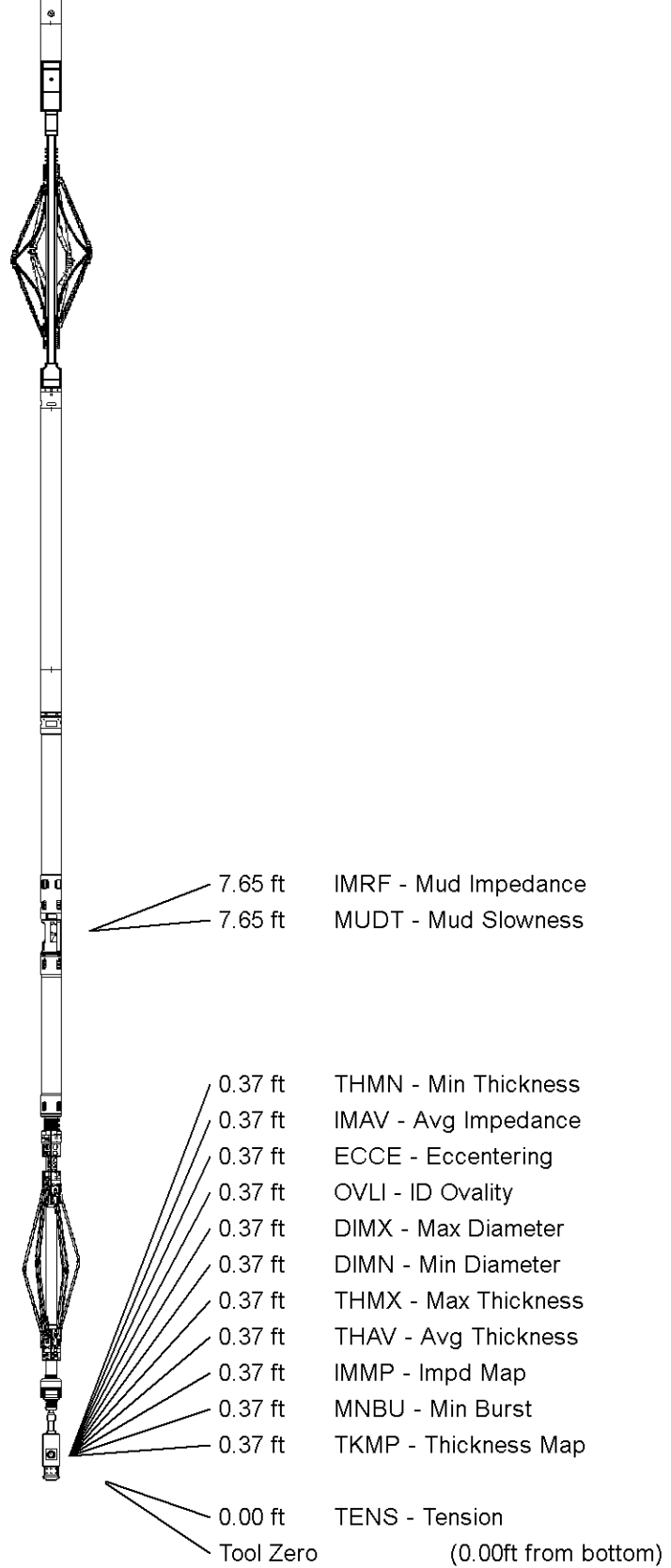
55 pin Roller Centralizer
CEN-XA 218 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

URS Electronics Cartridge
UCC-AA 191 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 125 LG: 1.03 ft WT: 13.2 lb OD: 3.386 in

Total Length: 57.16 ft Weight: 941.4 lb



All measurements relative to tool zero.

SHOP AND FIELD CALIBRATIONS

C:\WLS\Bonanza creek\ANTELOPE FEDERAL T34-20-17-XRLNB\splice.dta

UGR Field survey cal UGR-JD 108

Field calibration on 00-JAN-1988 00:00

Gamma Ray Field survey calibration

Tool Type: UGR-JD
Calibrator No:

Serial No: 108

Background Calibrator Standard Units

0.0 490.0 140.0 CPS

Delta Counts Per Sec: 490.0 CPS/API = 3.500

CBT Field Calibration CBT-AA 115

Field calibration on 17-JUN-2019 09:16

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	2.00	1.55
	Free Pipe	72.00	512.00
AMP 5 FT	100 % Bond	0.20	1.06
	Free Pipe	48.00	530.00

CBT Constants CBT-AA 115

Last Edited on 19-JUN-2019 13:44

Min Ampl 100% Bond	2.00 MV
Max Ampl 0% Bond	72.00 MV
Cement Cmpr Strength	1500 PSI
Casing Size	5.50 IN
Casing Weight	17.0 LB/F
Casing Velocity	57.00 US/F
DT Fluid	204.0 US/F
Maximum Attenuation	12.00 DB/F
3' TT Correction	0.0 US
Cement Weight	10.00 LB/G

Ultrasonic Radial Scanner Before Cal USH-AB 125

Field calibration on 17-JUN-2019 09:22

Ultrasonic Radial Scanner Before Calibration

Tool Type USH-AB Serial No 125

	Measured	Minimum	Maximum	
Free Pipe	-999.250	0.000	0.000	MRYL
Mud Impedance	1.500	0.000	0.000	MRYL

URS Constants USH-AB 125

Last Edited on 19-JUN-2019 13:44

*** 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	2.70
ZMud Cal Area Ratio	4.50


** 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	17030.00	5.50	17.00	2.64	1.50	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	1.50 MRYL
Z_mud Outside	1.90 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	ANTELOPE FEDERAL T34-20-17 XRLNB				
FIELD	WATTENBERA				
PROVINCE/COUNTY	WELD				
COUNTRY/STATE	USA/COLORADO				
Elevation Kelly Bushing	4674	feet	Bottom Log Interval	6200.00	feet
Elevation Drill Floor	4674	feet	Depth Driller	17040.00	feet
Elevation Ground Level	4657	feet	Depth Logger	6200.00	feet



SECUREVIEW

ULTRAVIEW / BONDVIEW

