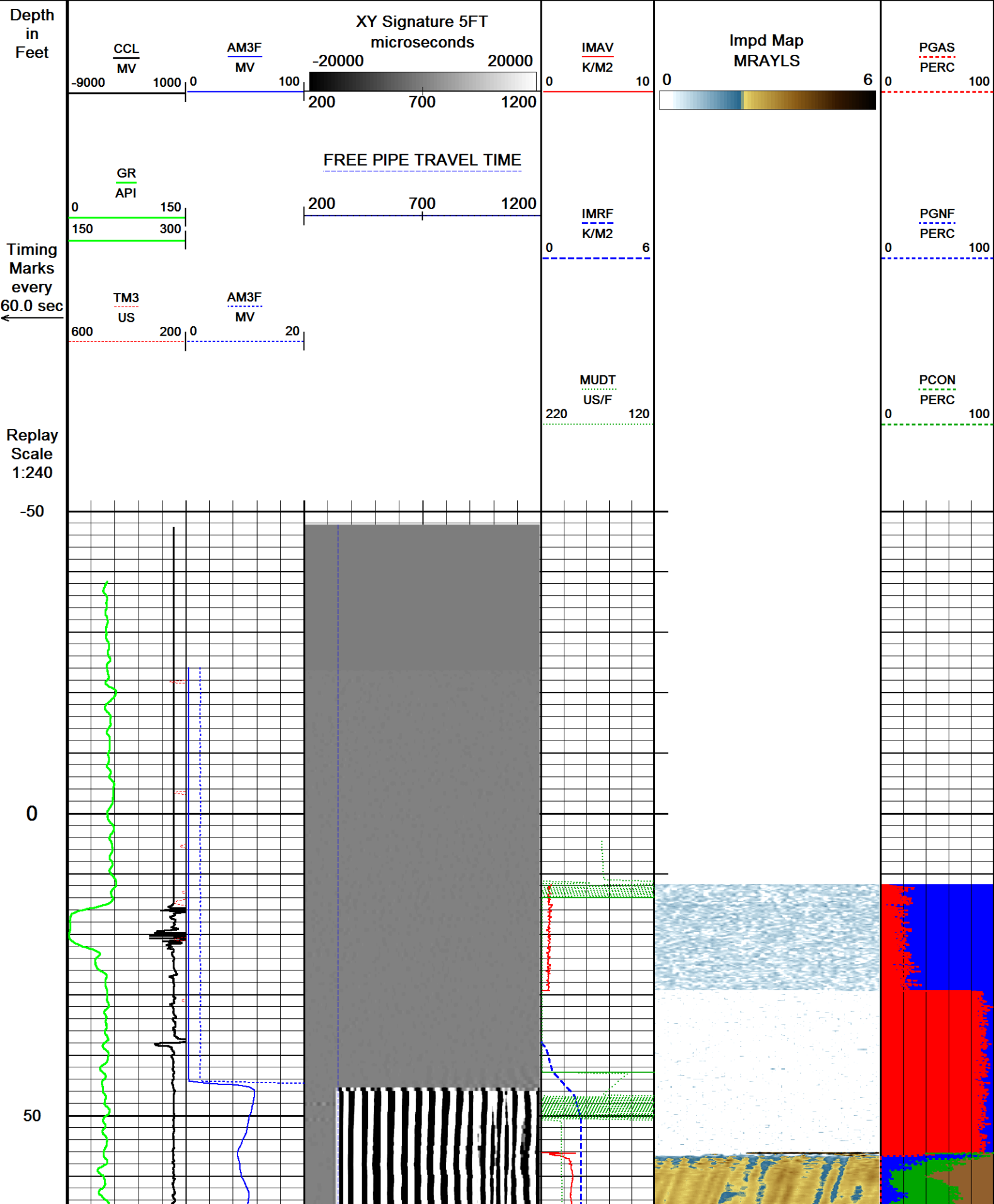
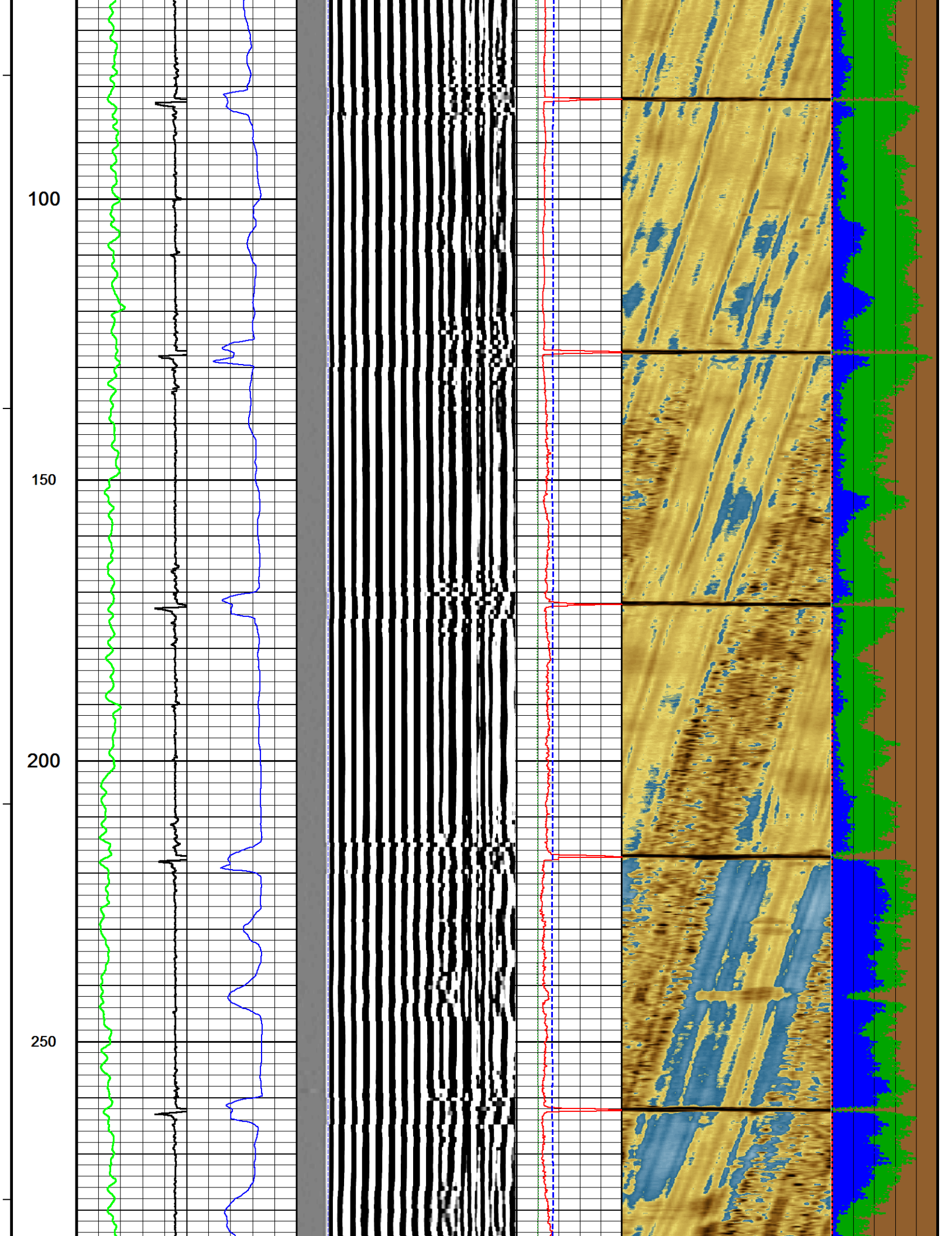
 Weatherford®				SECUREVIEW ULTRAVIEW / BONDVIEW CEMENT ANALYSIS			
COMPANY				EXTRACTION OIL AND GAS			
WELL				MICKEY #8			
FIELD				WATTENBERG			
PROVINCE/COUNTY				WELD			
COUNTRY/STATE				UNITED STATES / COLORADO			
LOCATION				SW NE 5-6N-67W			
SEC 5	TWP 6N	RGE 67W	Other Services				
Latitude			Elevations: KB DF GL				
Longitude							
API Number							
05-123-43856							
Permanent Datum GL, Elevation feet							
Log Measured From KB							
Drilling Measured From KB							
Date	24-FEB-2017			PERFORATION RECORD			
Run Number	ONE			Shot	Number	Depth From	Depth To
Service Order	7145-174902880			Density	of Shots	feet	feet
Type Log	URS / CBT						
Depth Driller							
Depth Logger	6385.00						
Top Log Interval	0.00						
Bottom Log Interval	6385.00						
Hole Fluid Type	WATER BASED						
Hole Fluid Level	75.00						
Restriction ID	4.653						
Max Recorded Temp	187.00	deg F		Gun Type			
Well Head Pressure	0.00	psi		Gun Size			
Well Head Equipment	NONE			CASING / TUBING RECORD			
Time Well Ready	ON ARRIVAL			Size	Weight	Depth From	Depth To
Time Logger Bottom	14:00			inches	pounds/ft	feet	feet
Unit	14329			9.625	36.00	0.00	1565.00
				5.500	20.00	0.00	17360.00
Equipment Name	WSS-E						
Base	CASPER						
Recorded By	K. HUSETH						
Witnessed By	NOT WITNESSED						

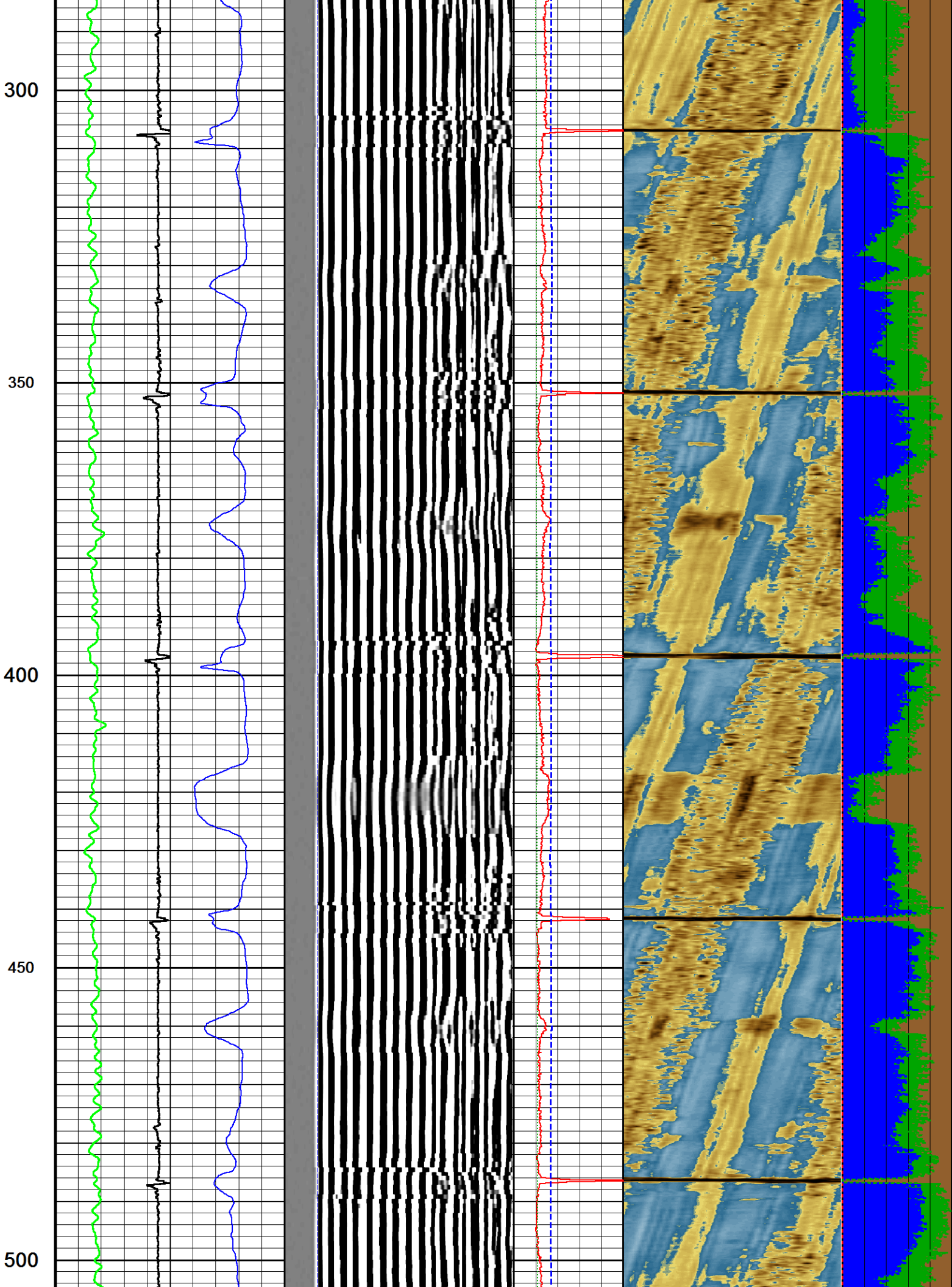
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE			9.625	0.00	1565.00	36.00
PRODUCTION			5.500	0.00	17360.00	20.00

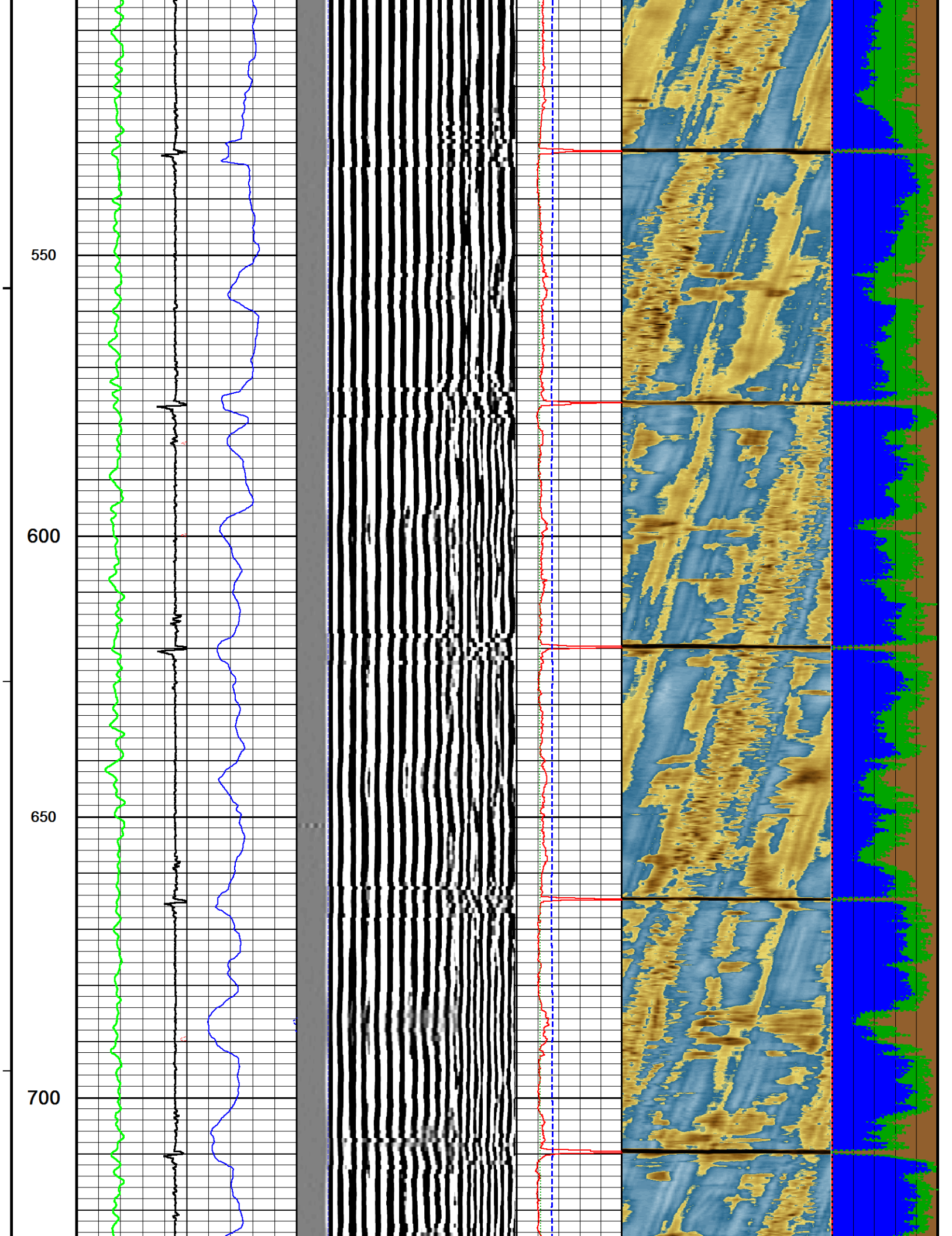
REMARKS
SECUREVIEW ULTRAVIEW LOG CORRELATED TO RIB KB AT 25 FT ABOVE GROUND LEVEL
LOGGING INTERVAL WAS STARTED AT ROUGHLY 50 FT ABOVE THE KICK OFF POINT
TOOL EXPERIENCED DECENTRALIZATION AT SEVERAL POINTS THROUGHOUT THE LOG CAUSING THE RADIUS MEASUREMENTS AND IMPEDANCE VALUES TO BE GREATLY AFFECTED. THESE VALUES SHOULD BE CONSIDERED INVALID OVER THESE AREAS

<p>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.</p>
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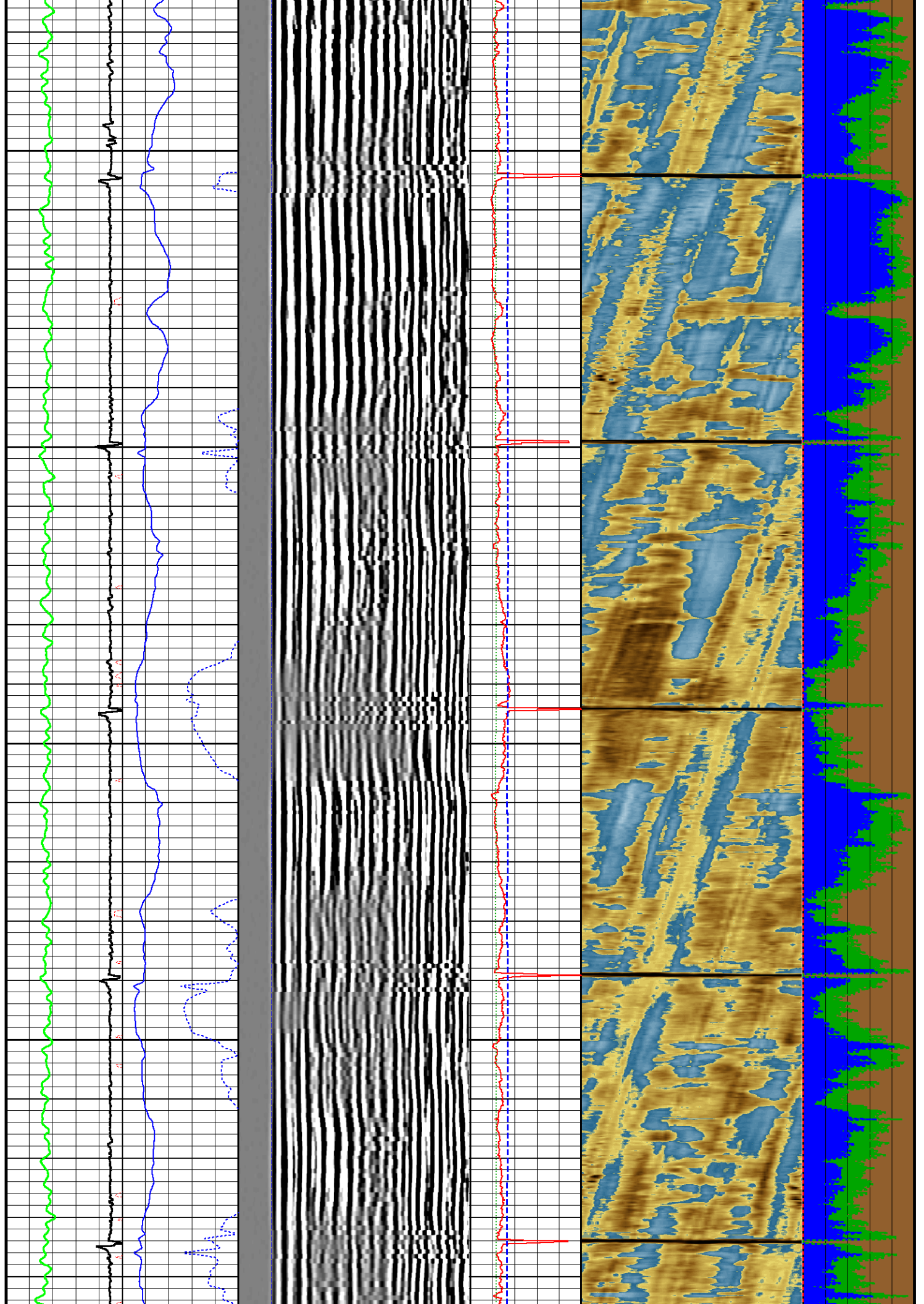


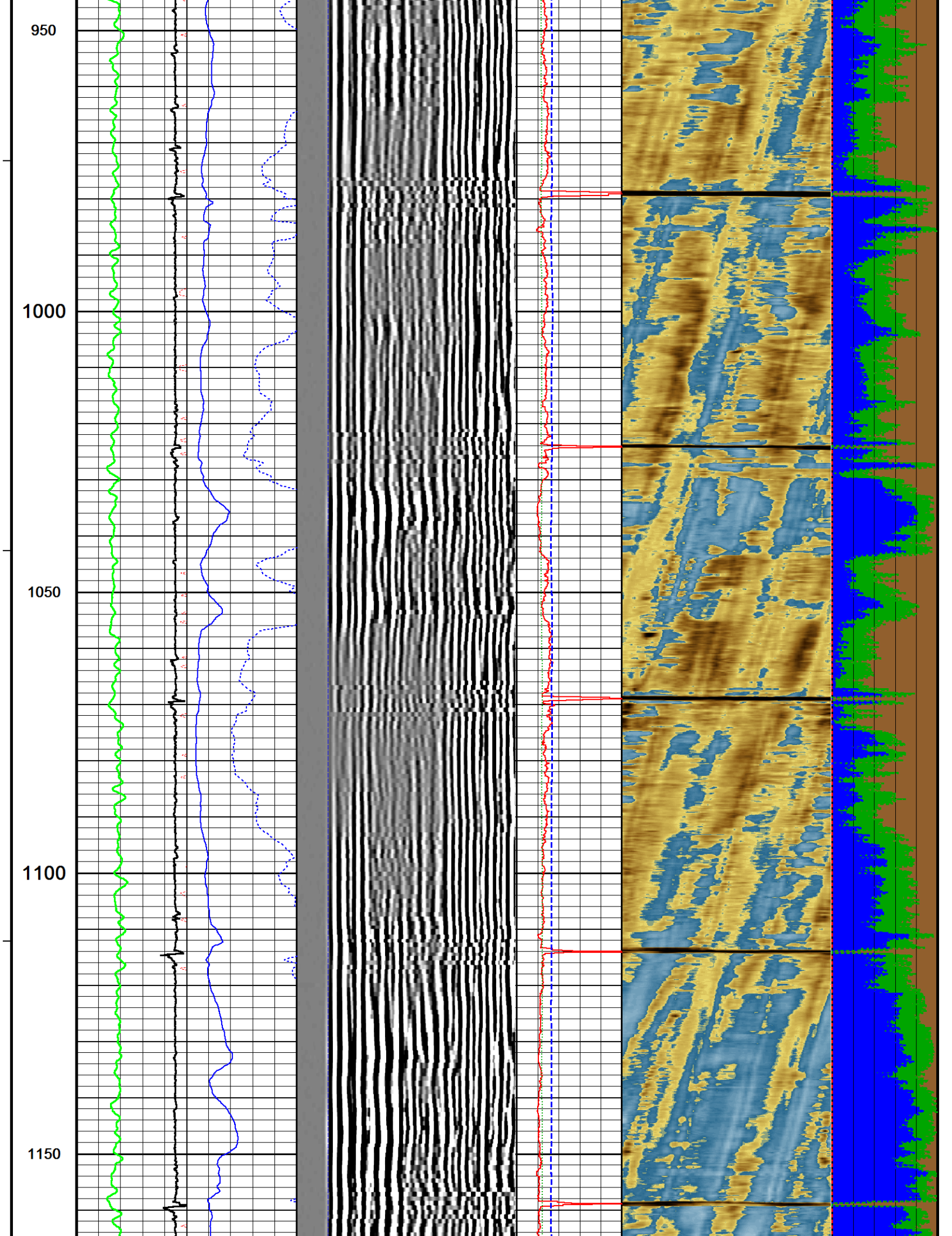
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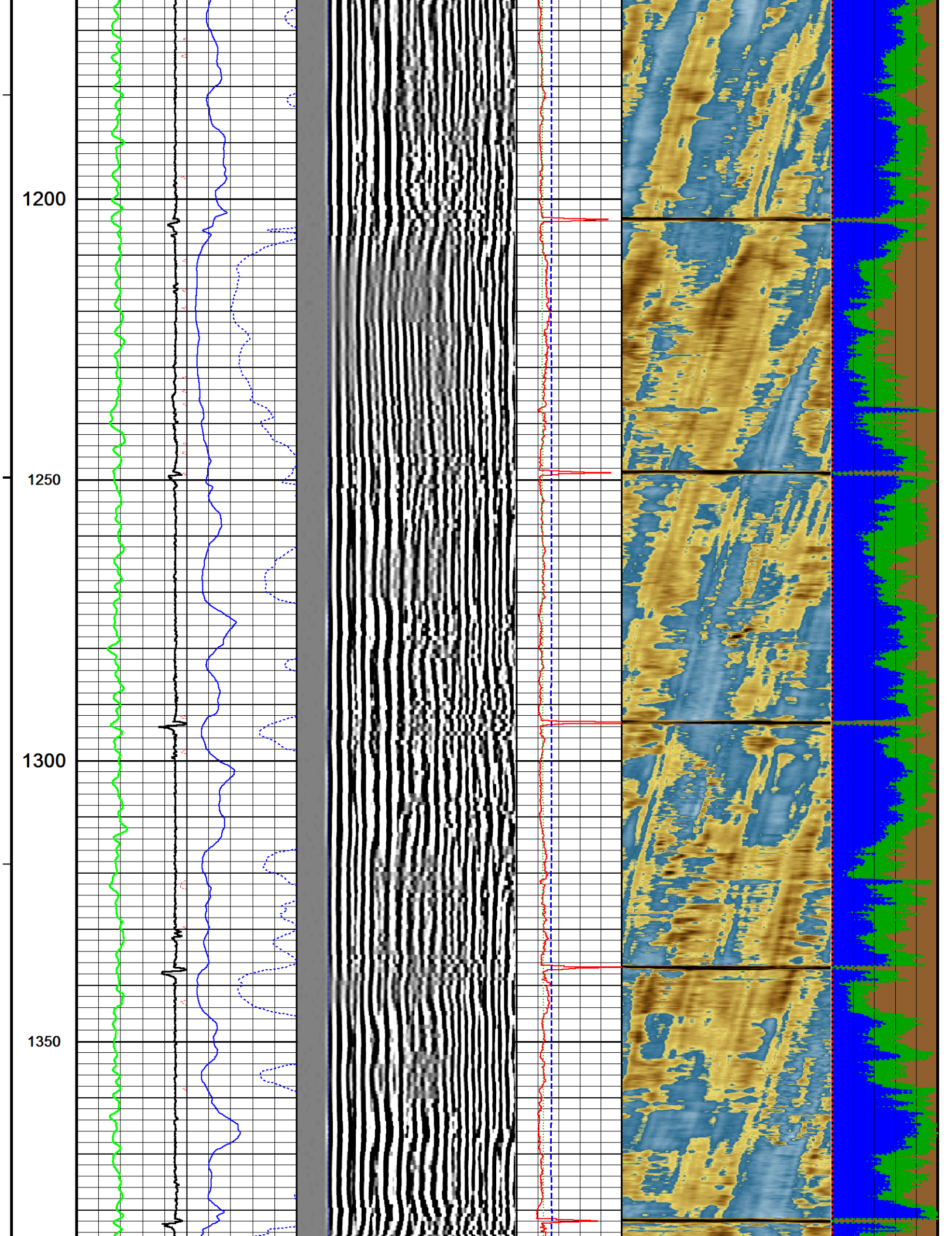
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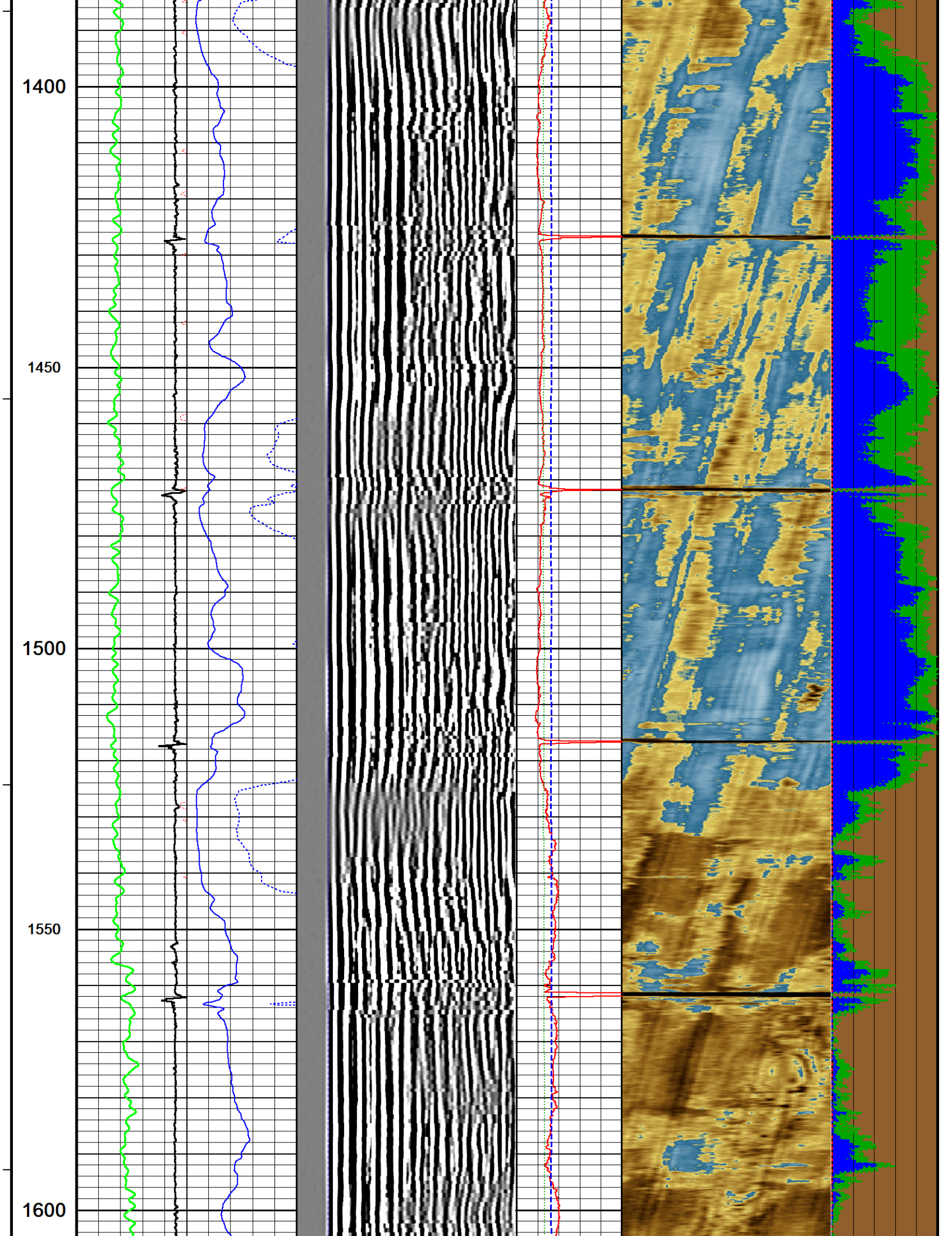
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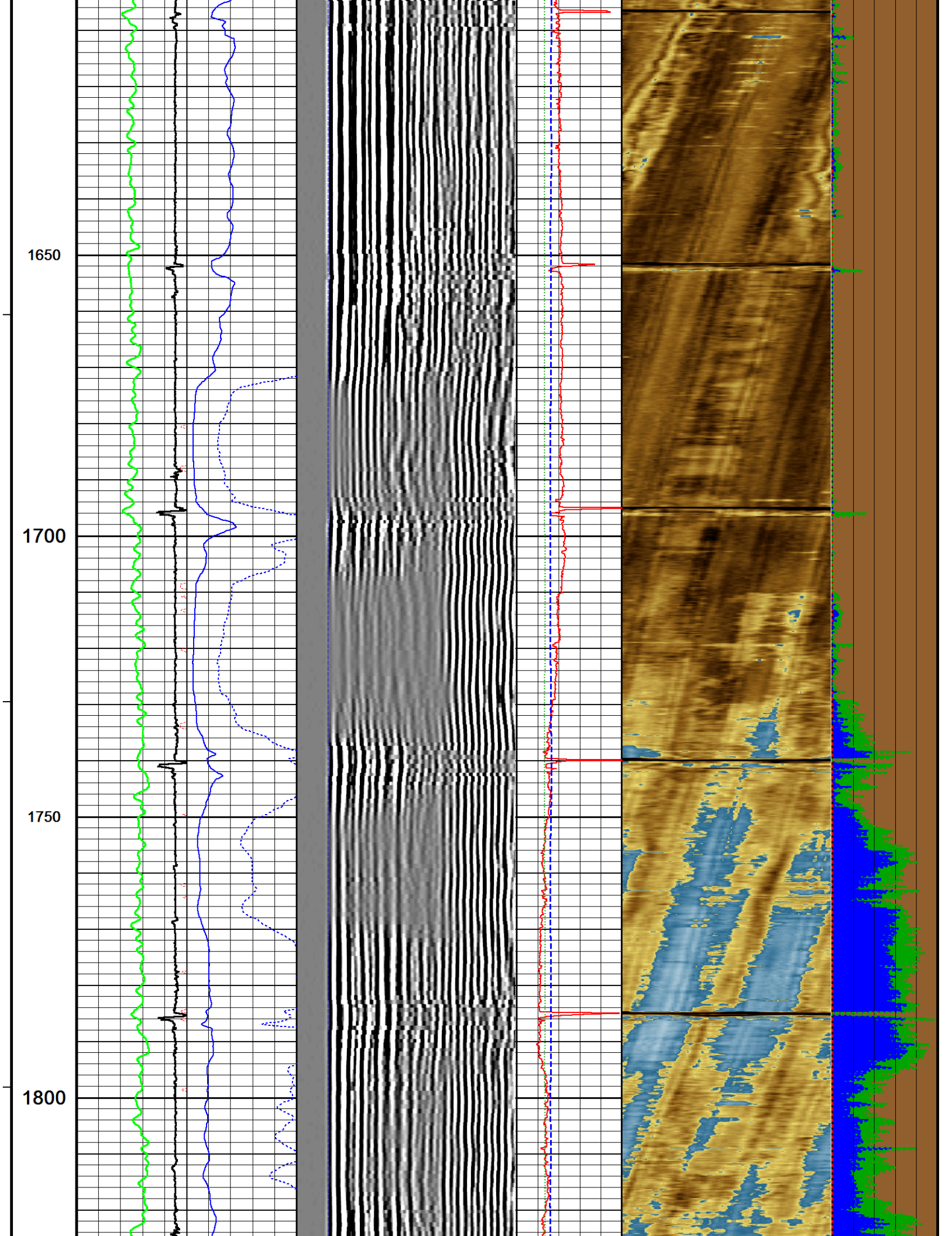
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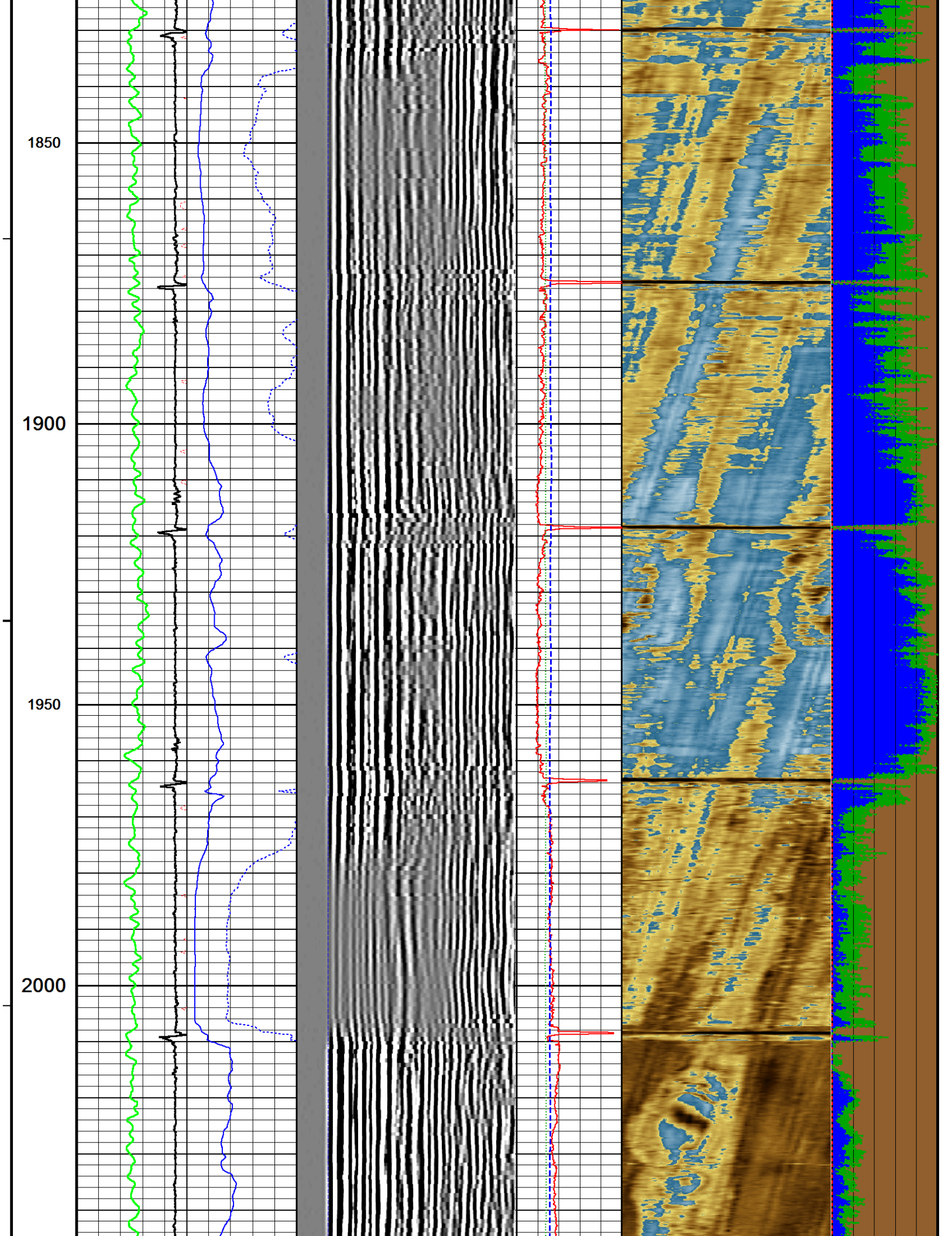


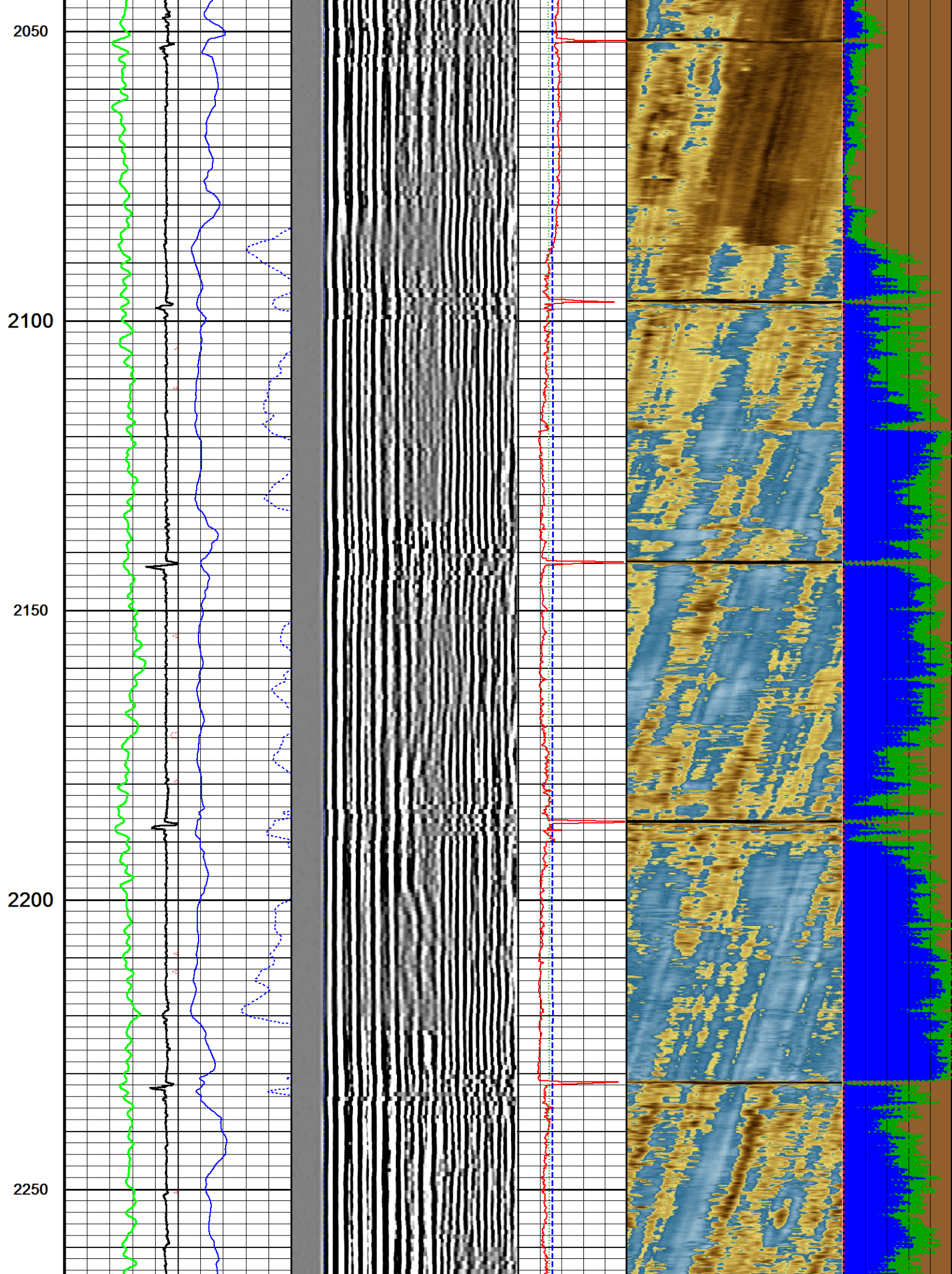










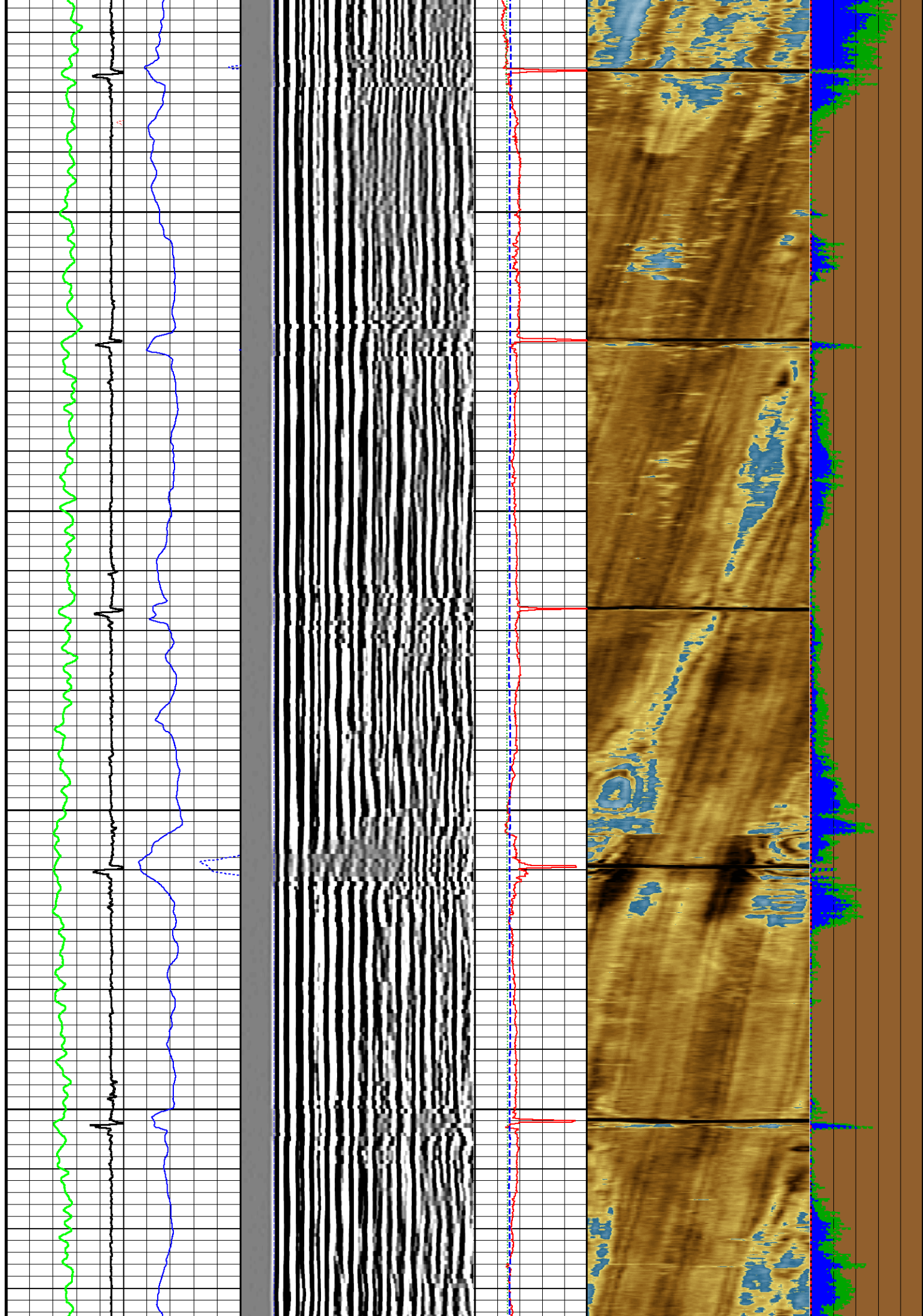


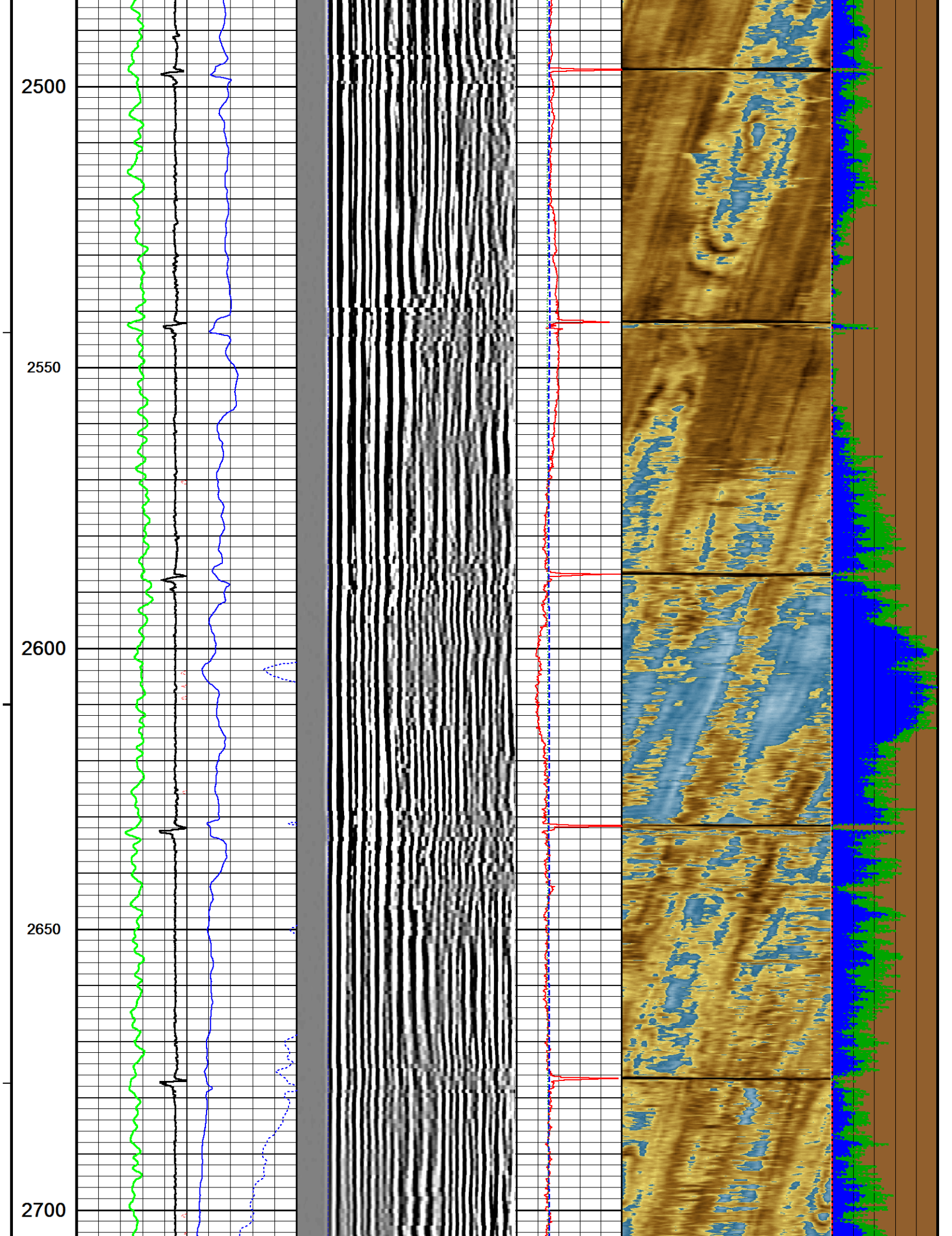
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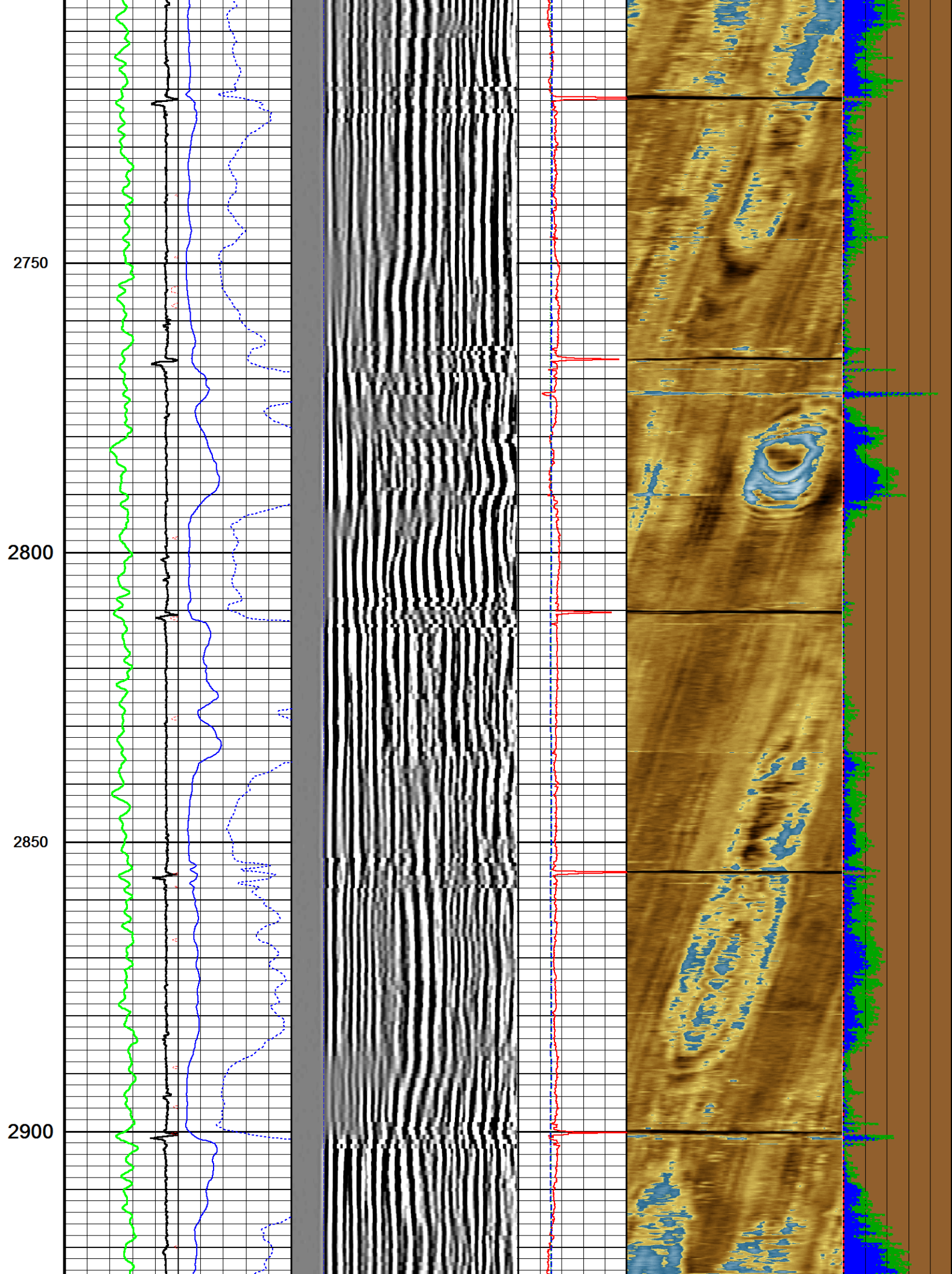
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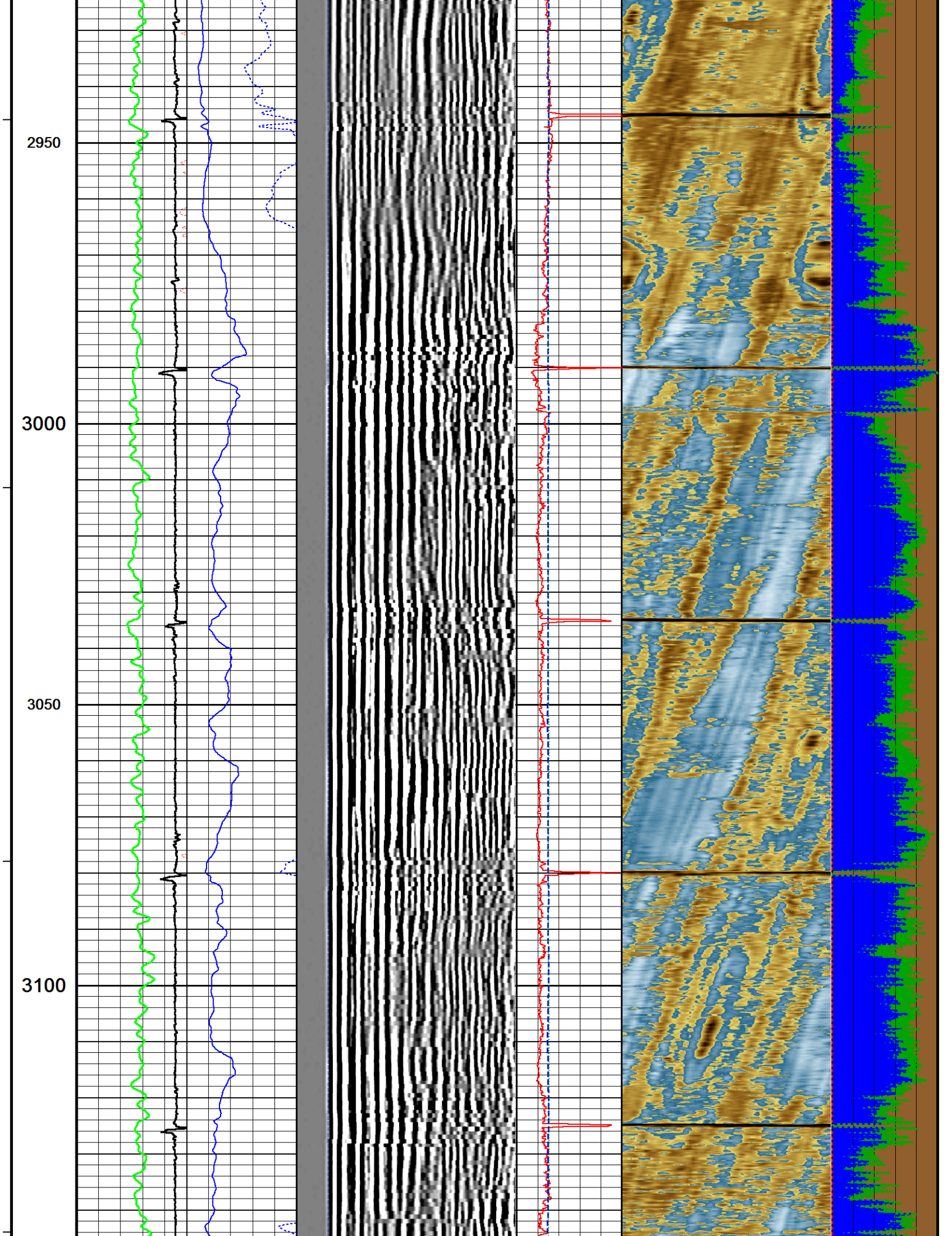
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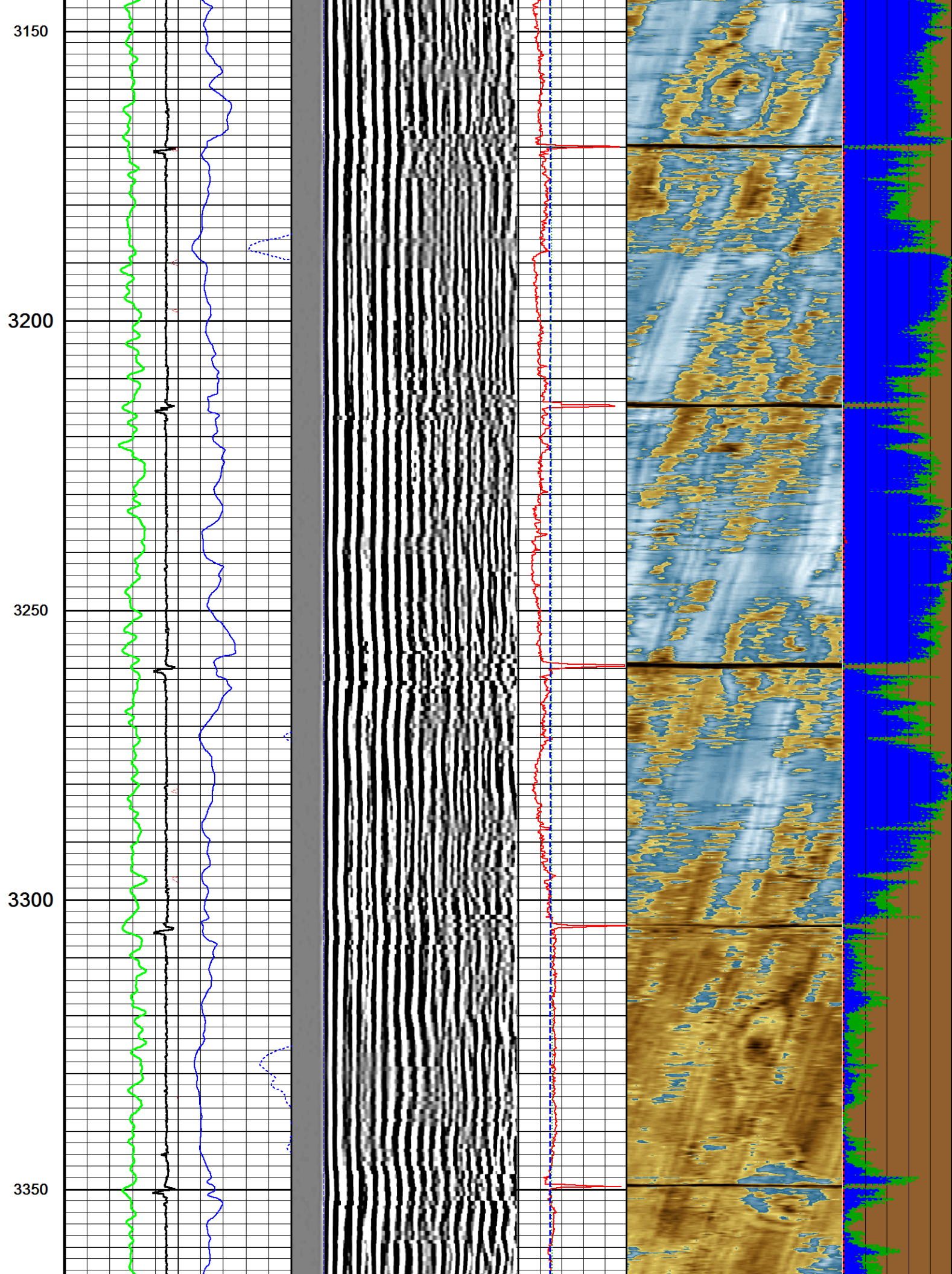
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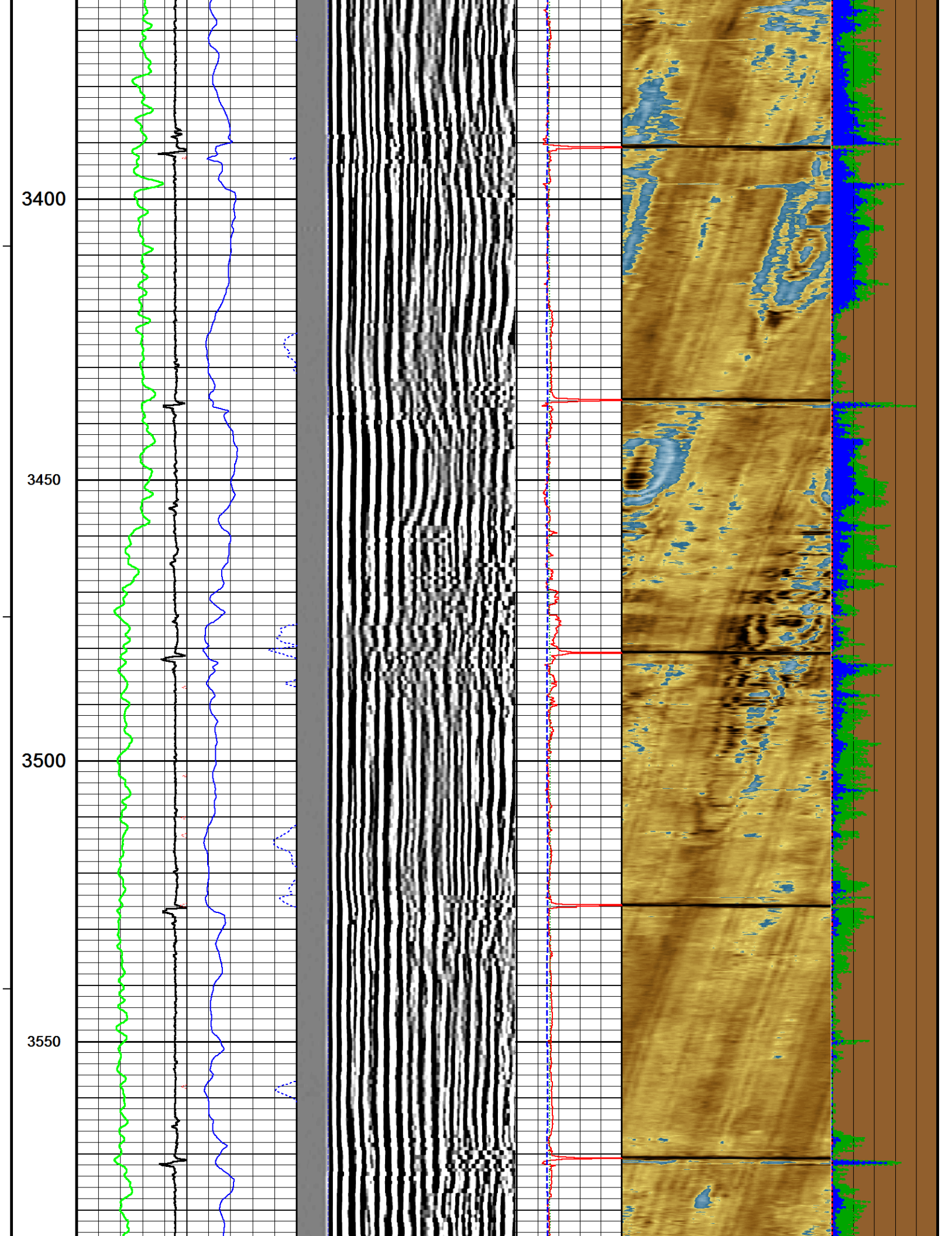


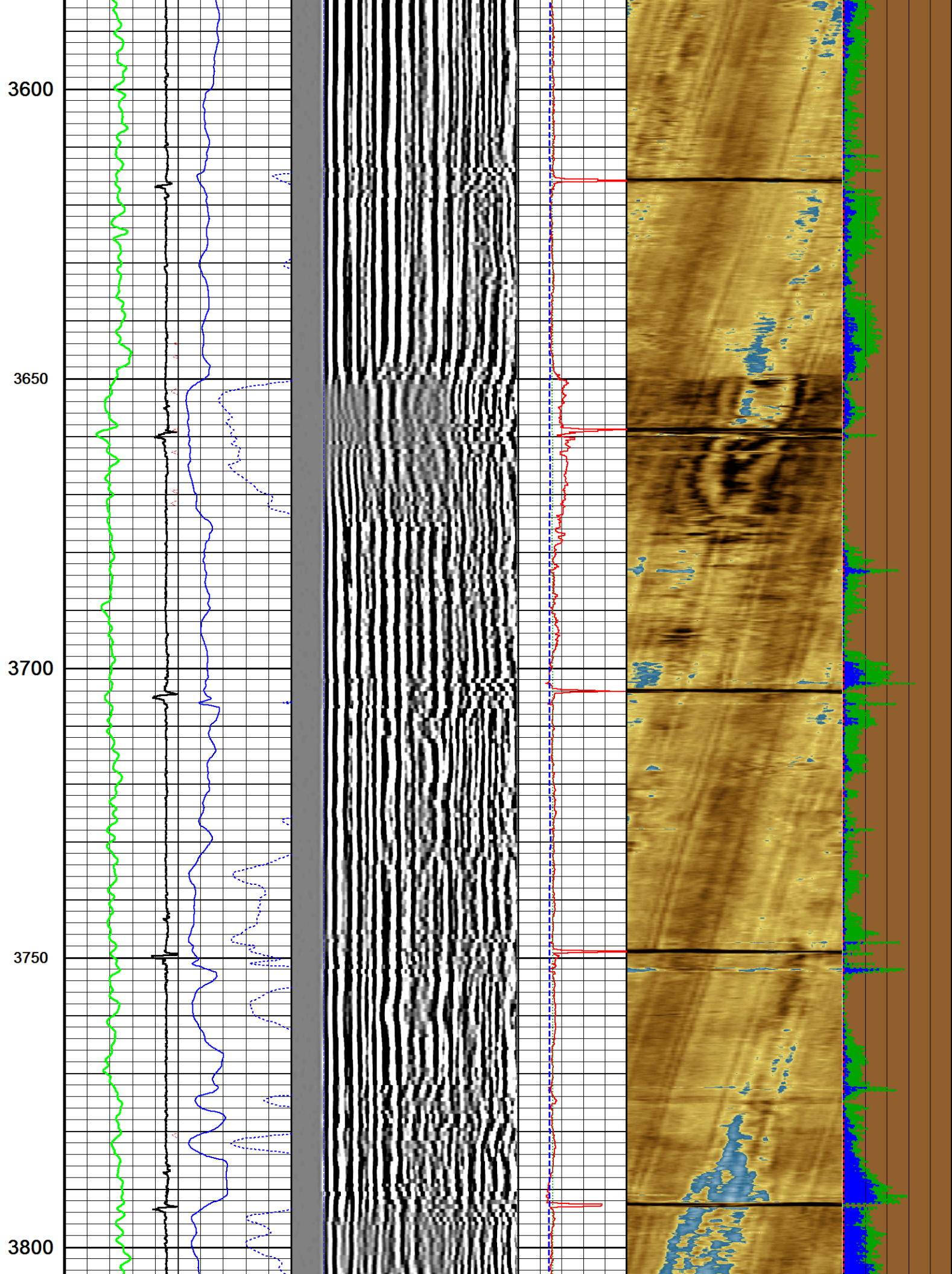


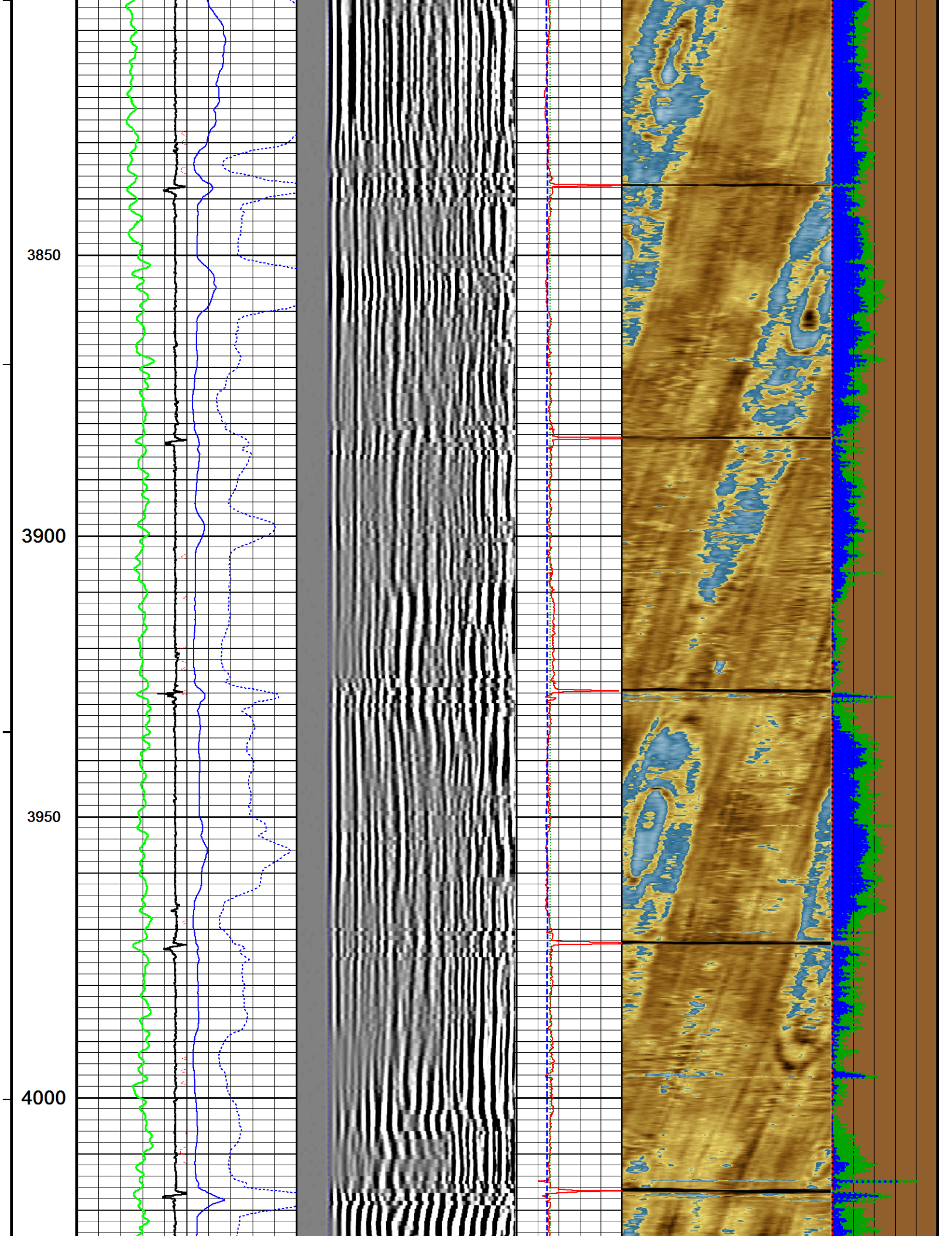


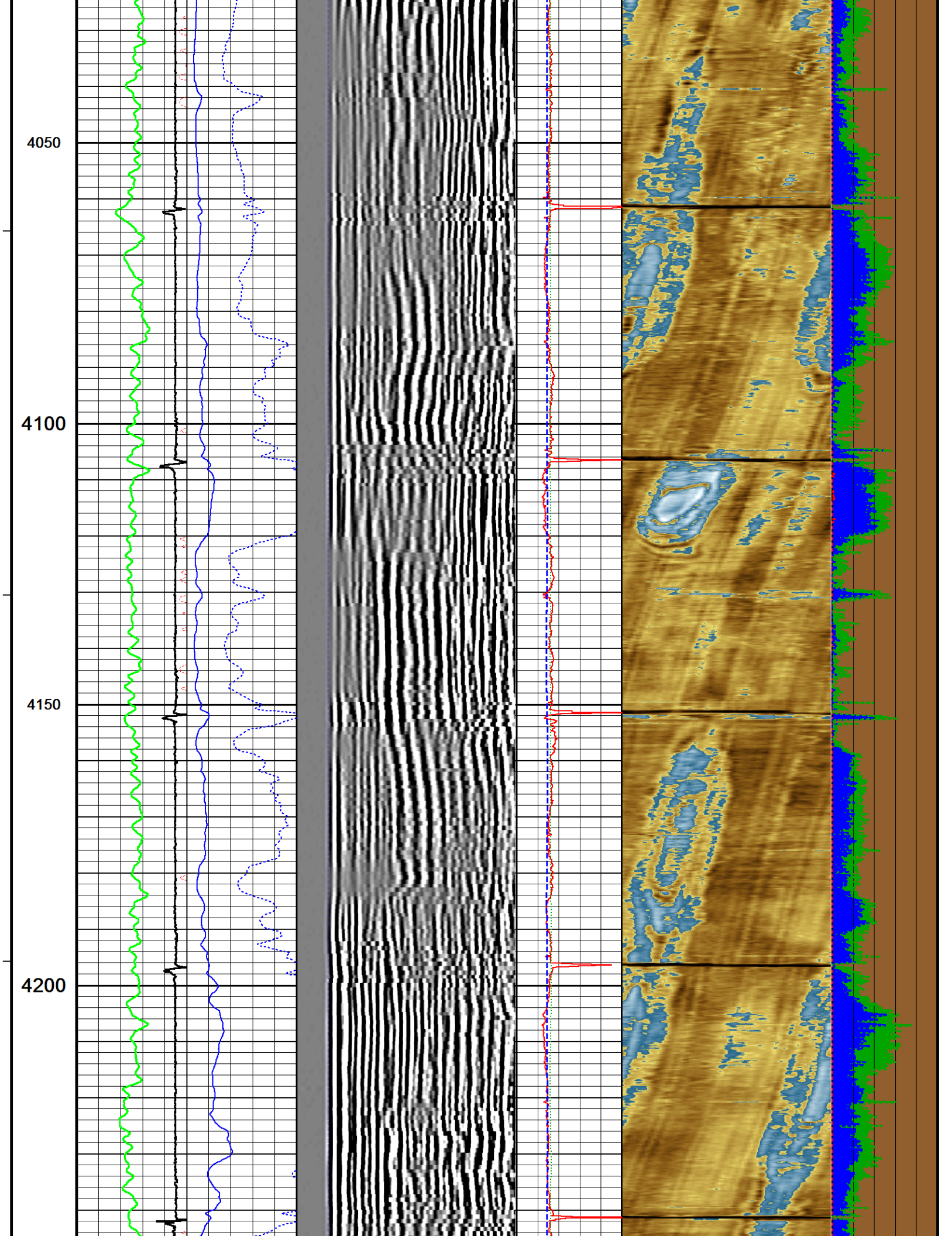


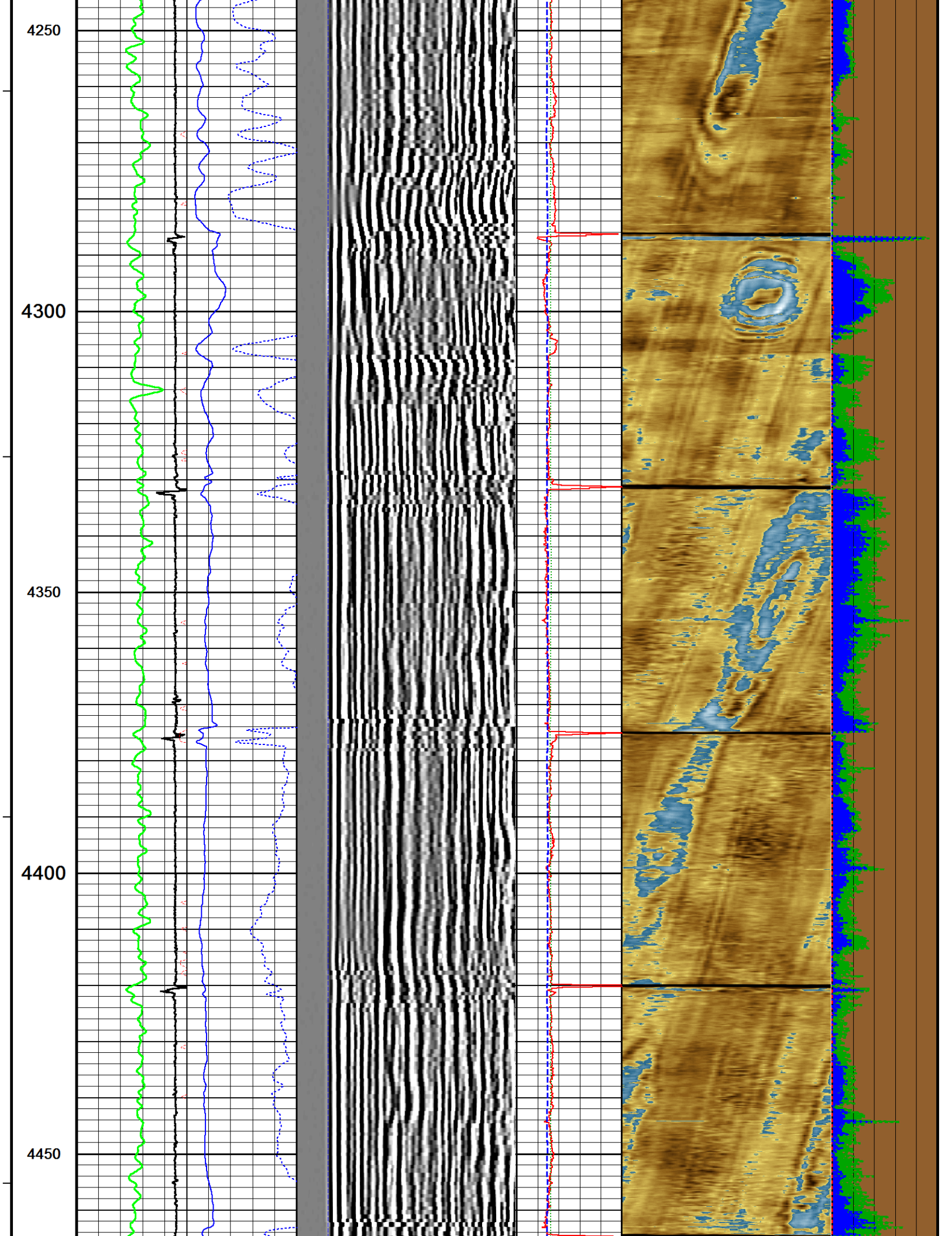


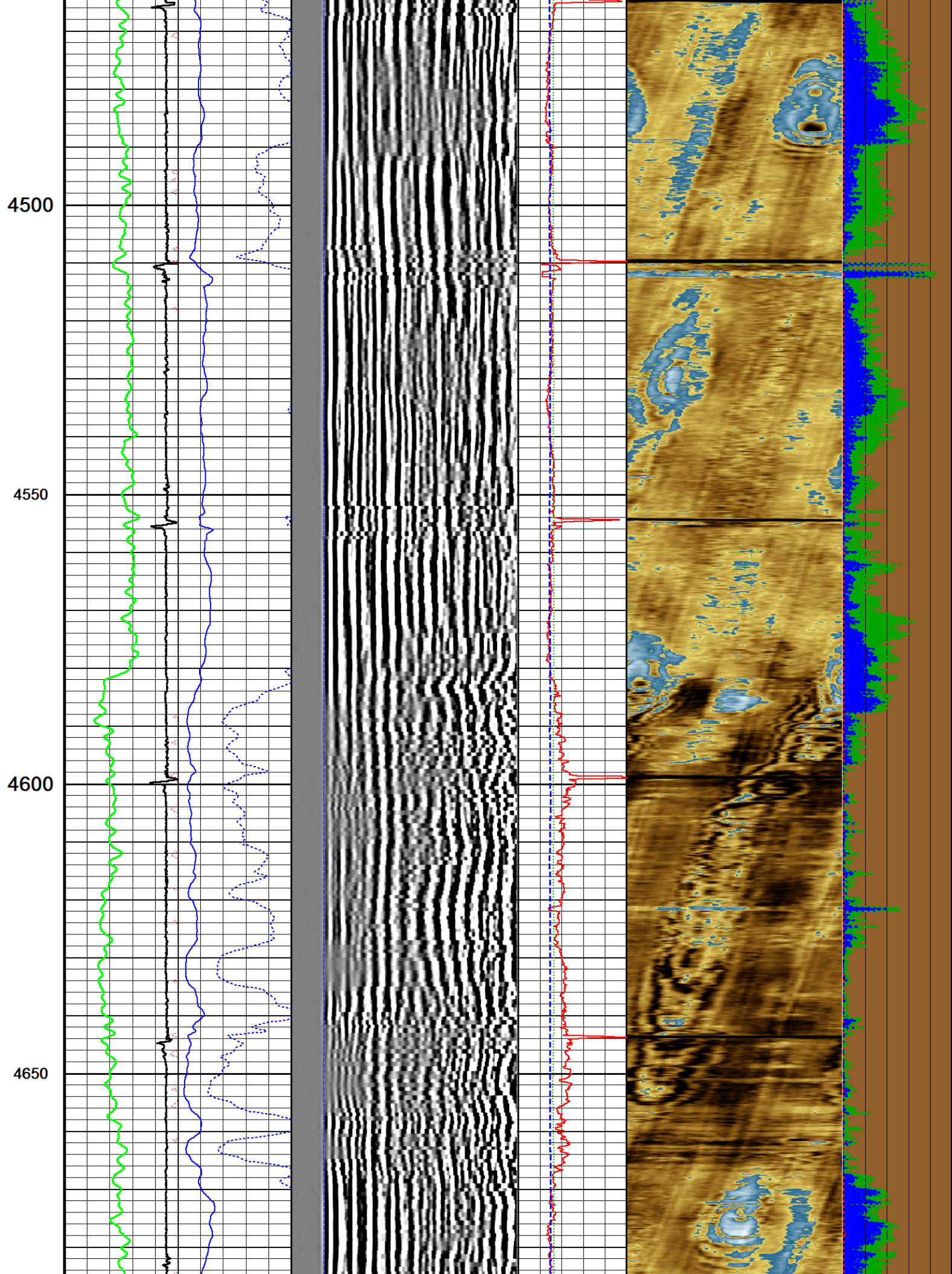


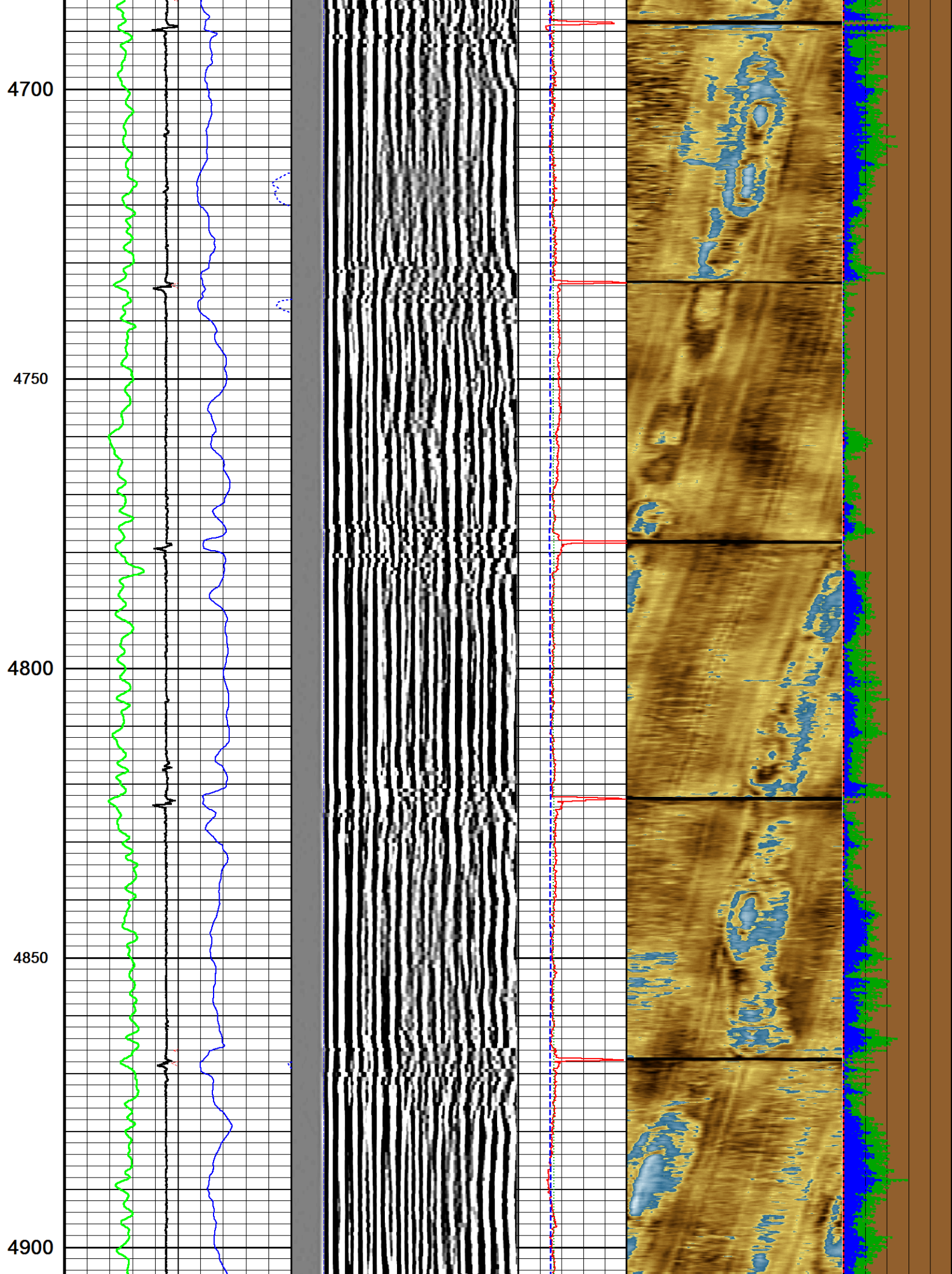


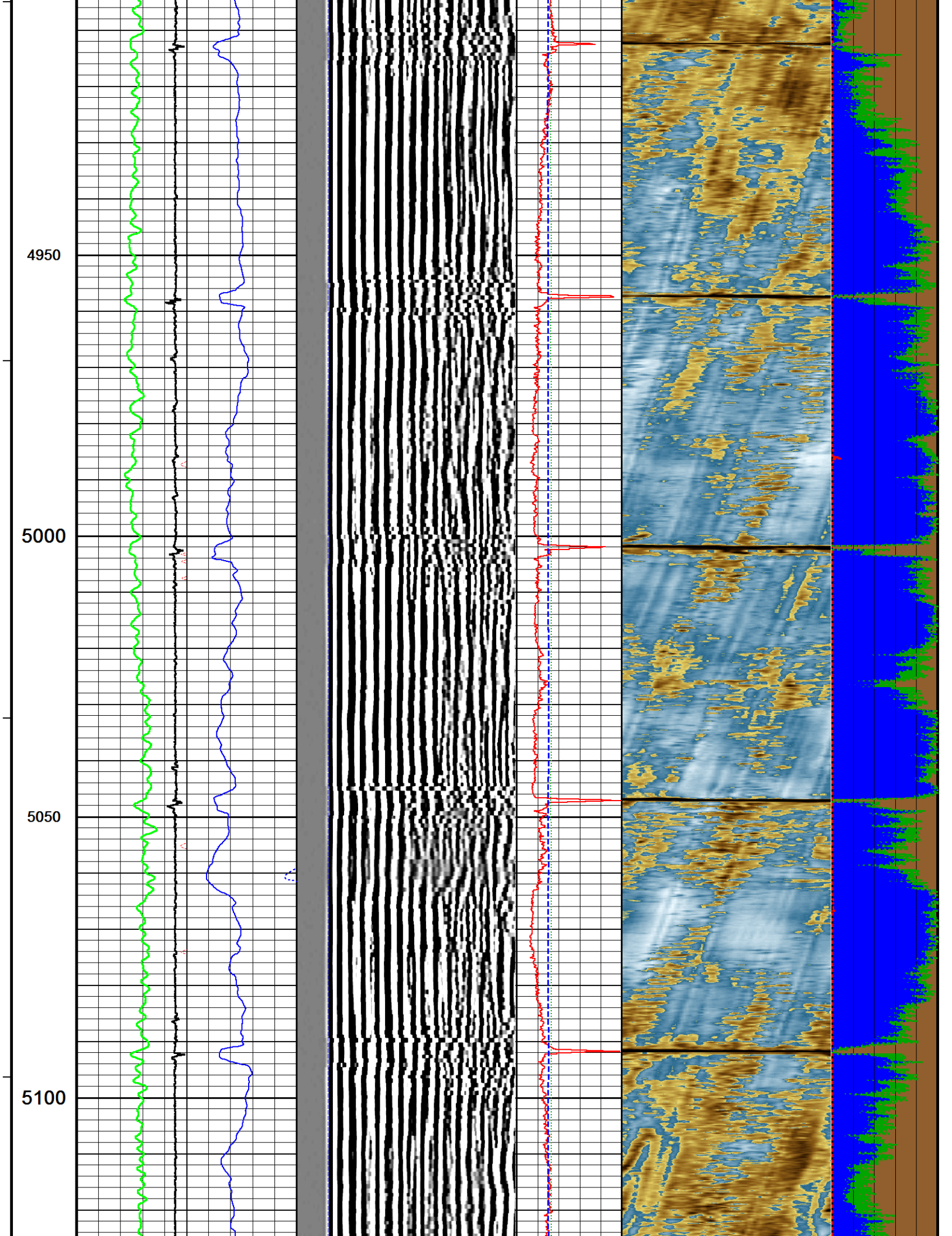


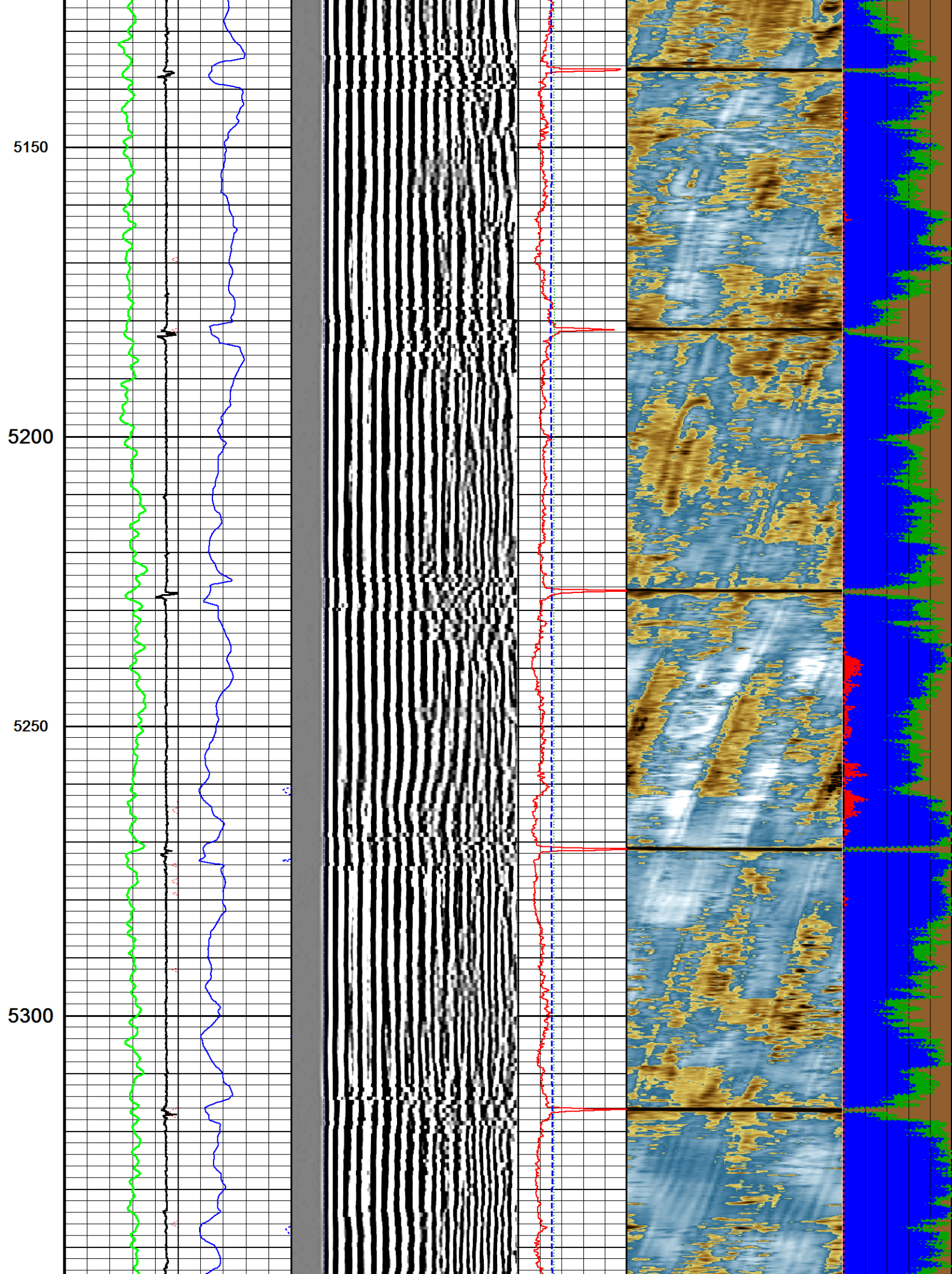


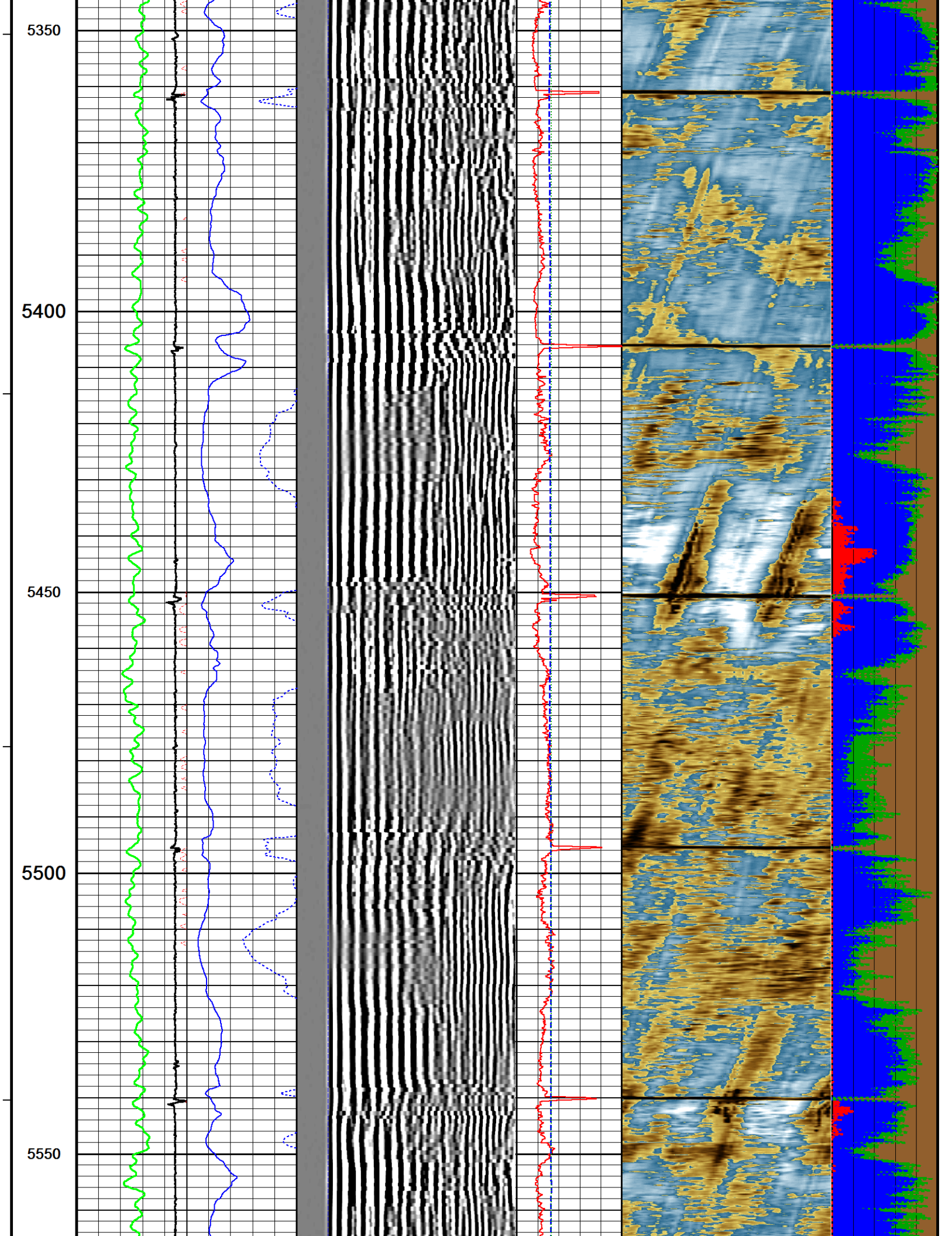










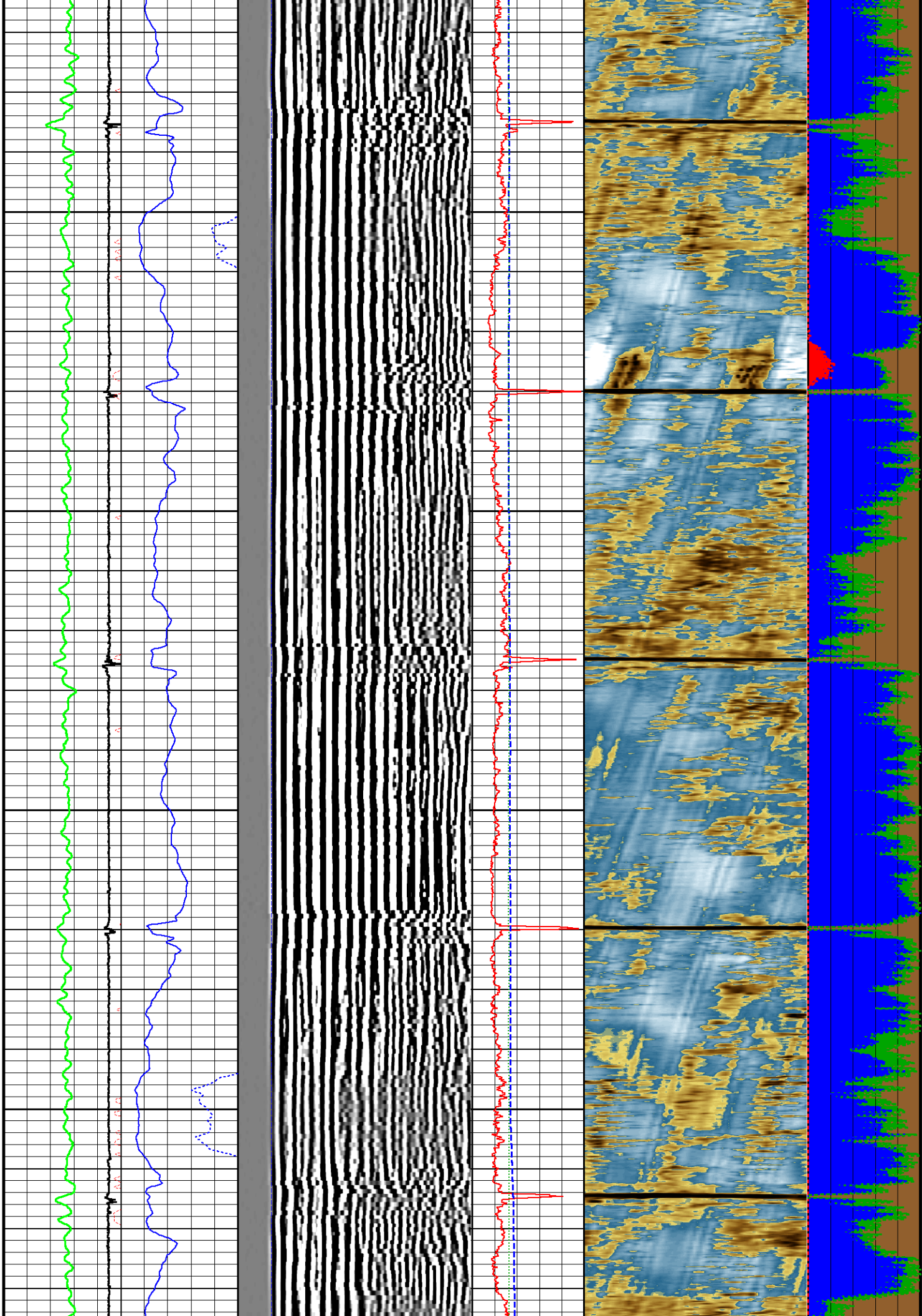


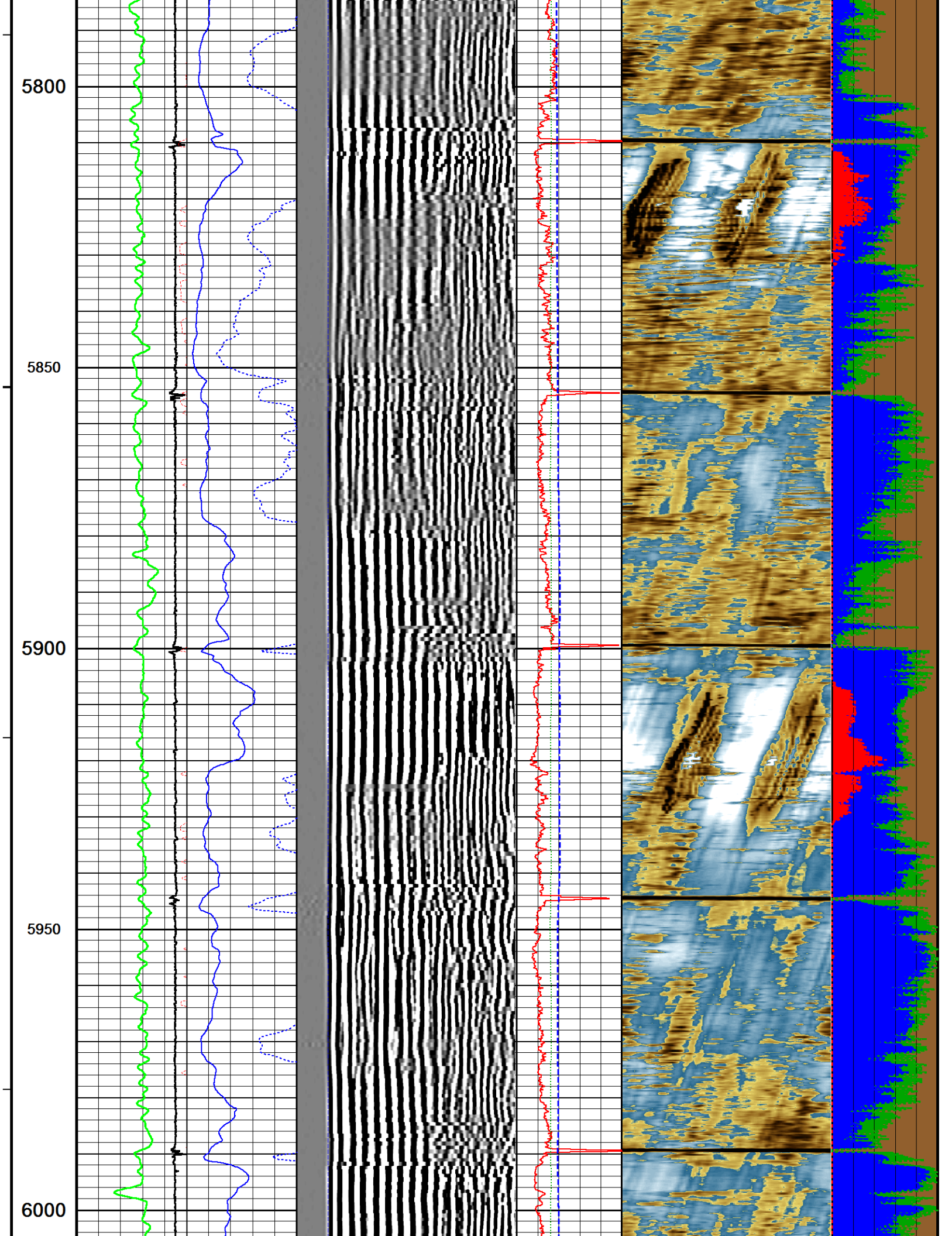
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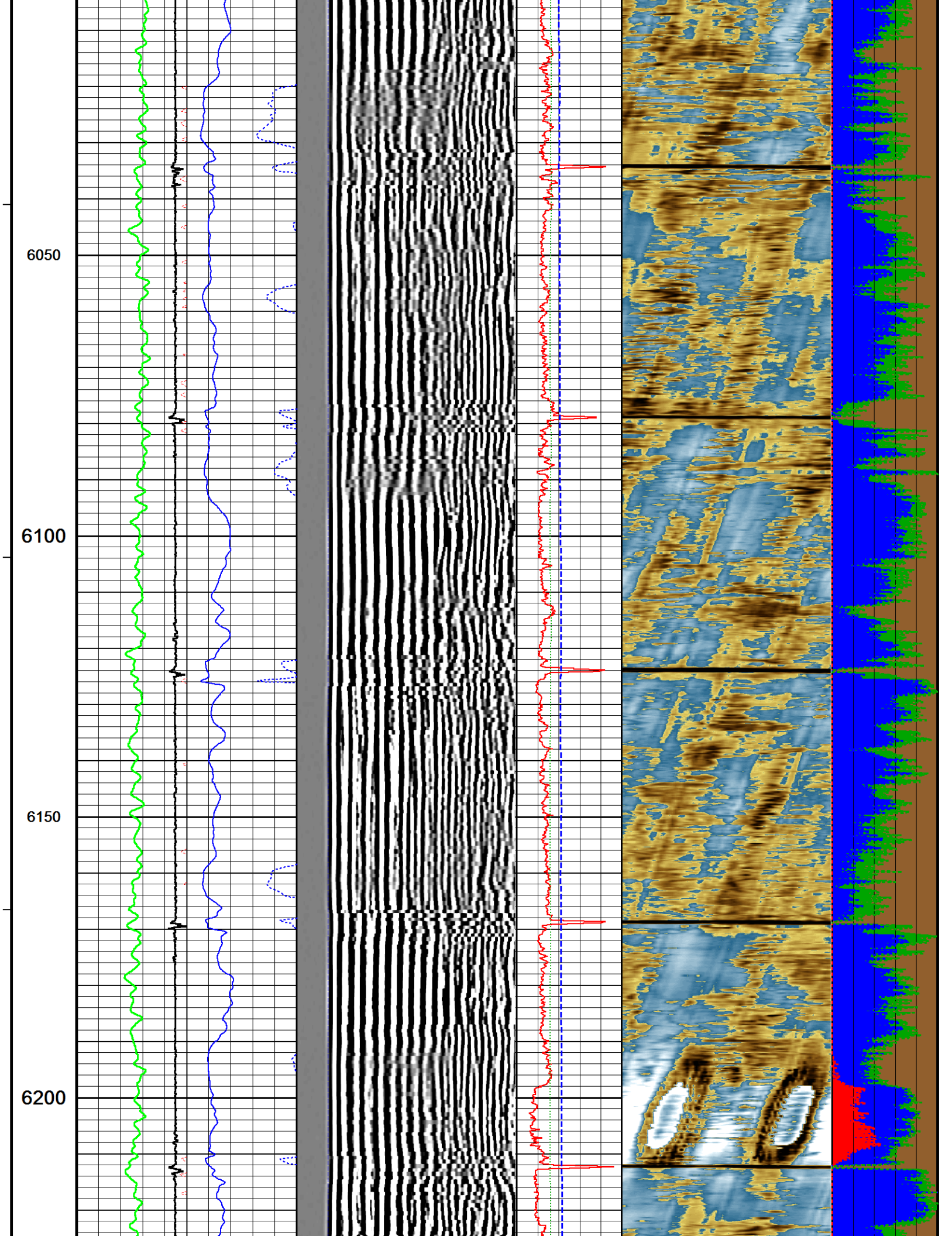
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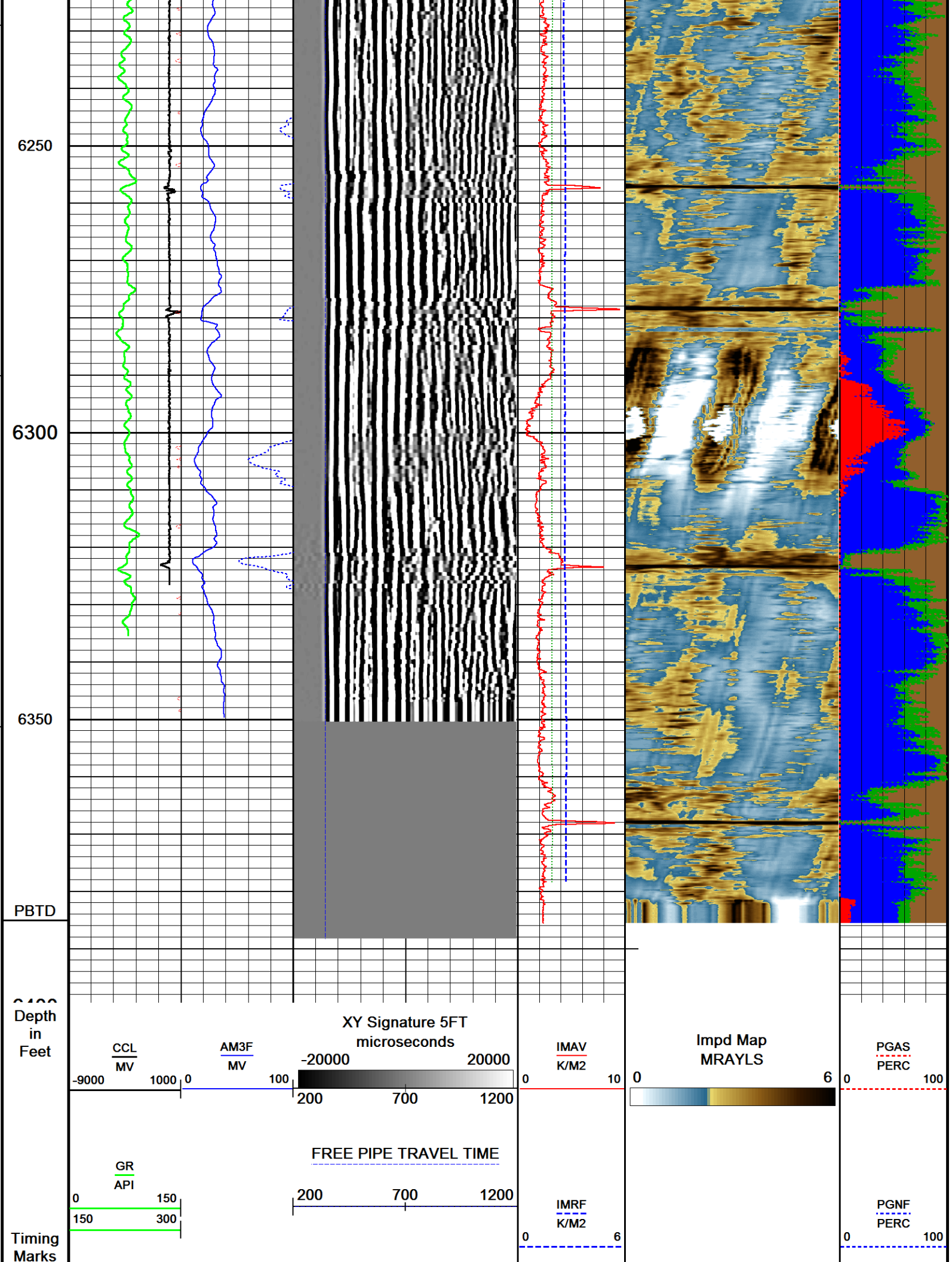
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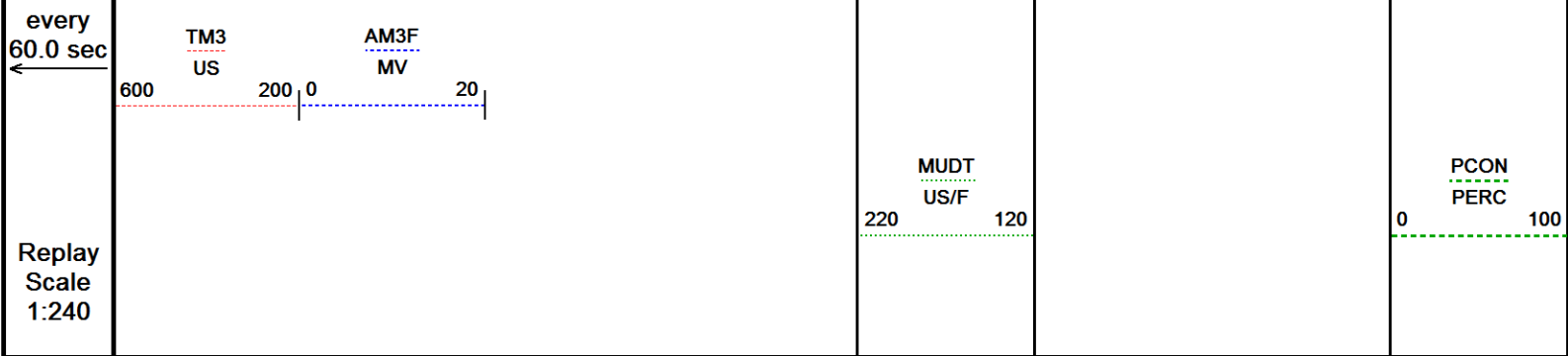
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Depth Based Data - Maximum Sampling Increment 2.5cm

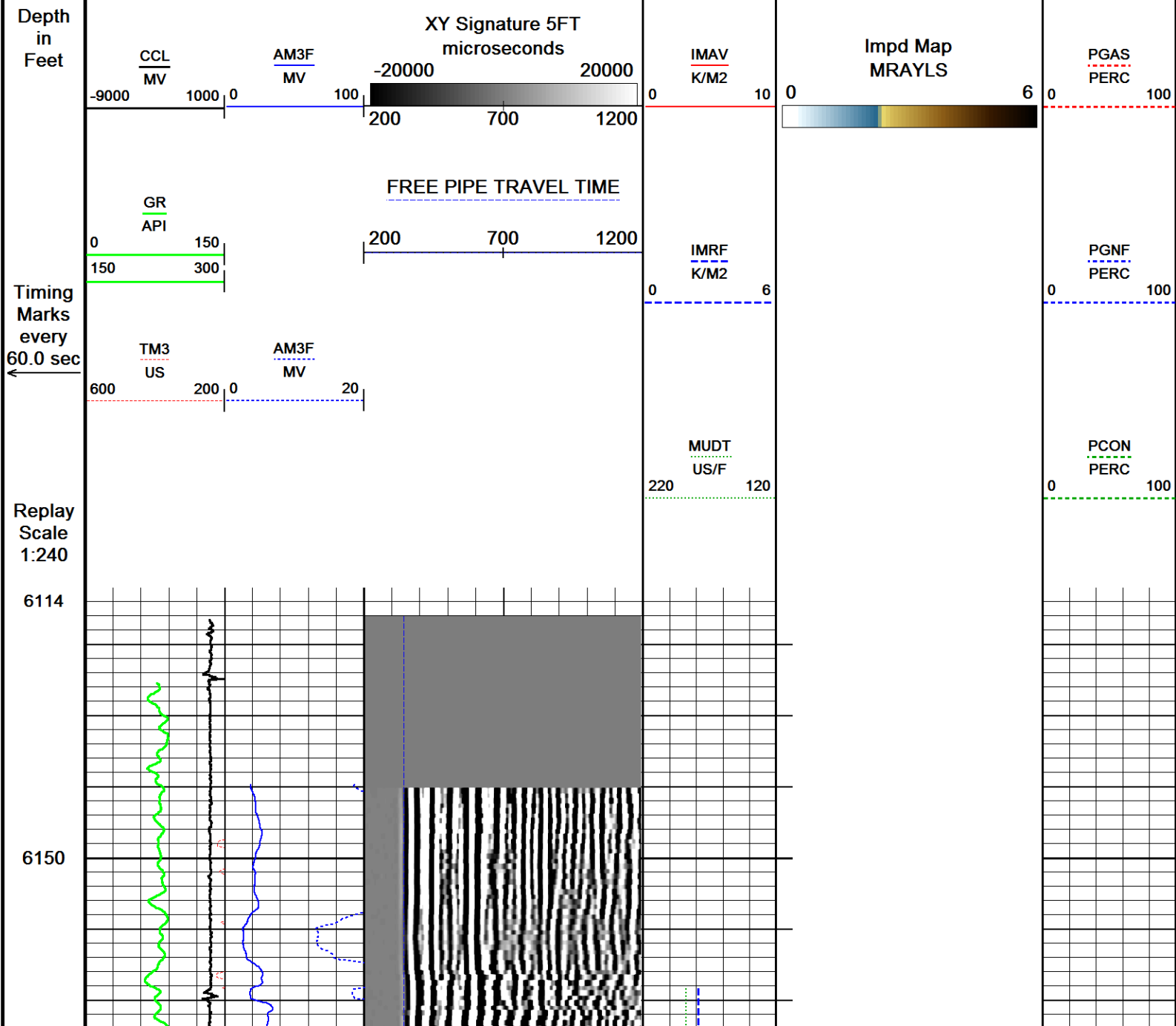
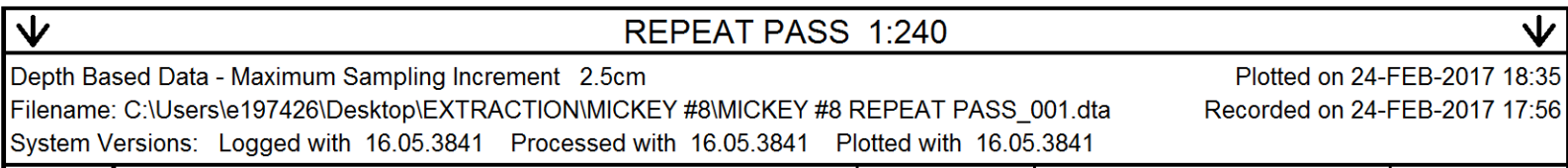
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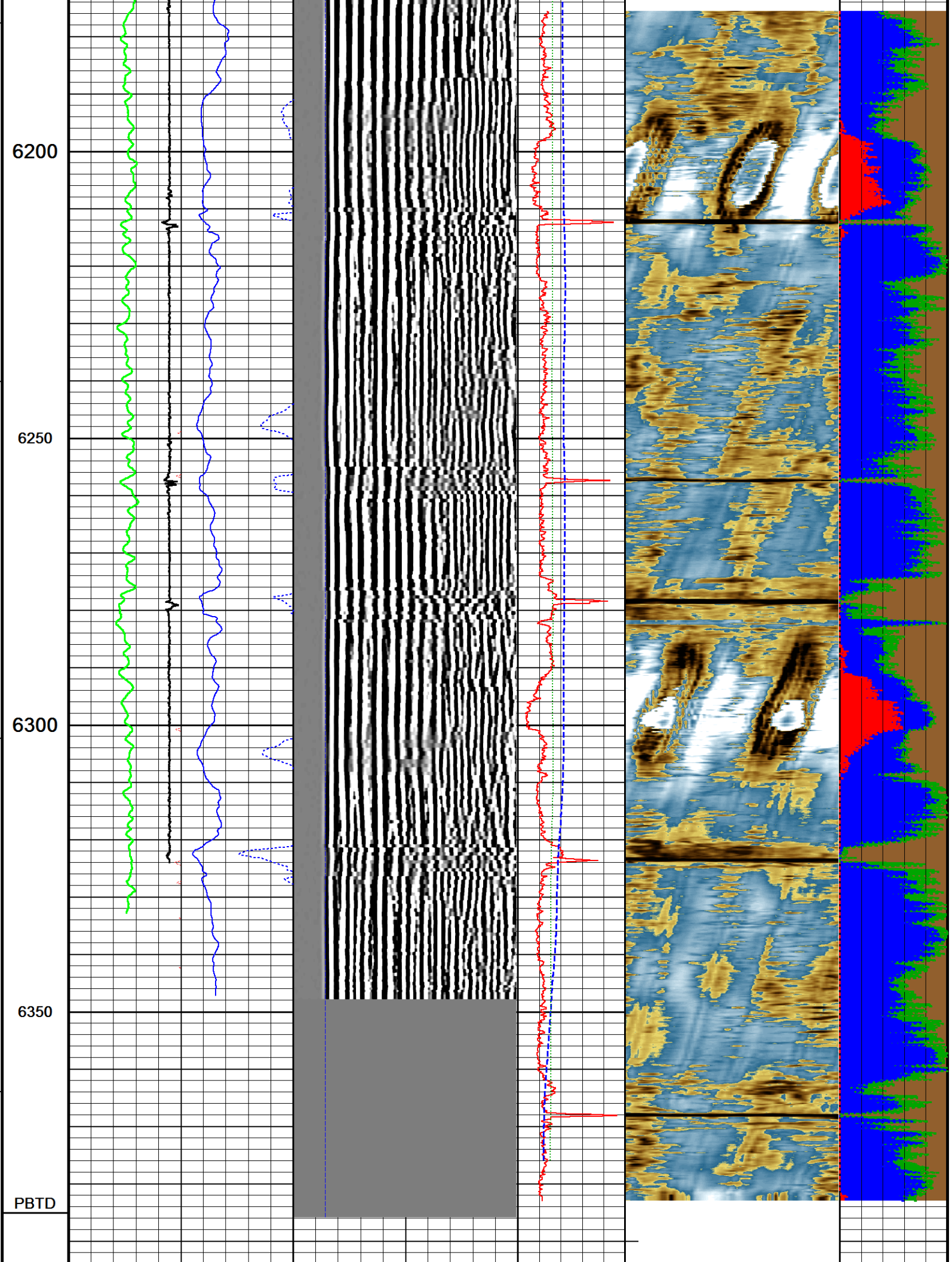
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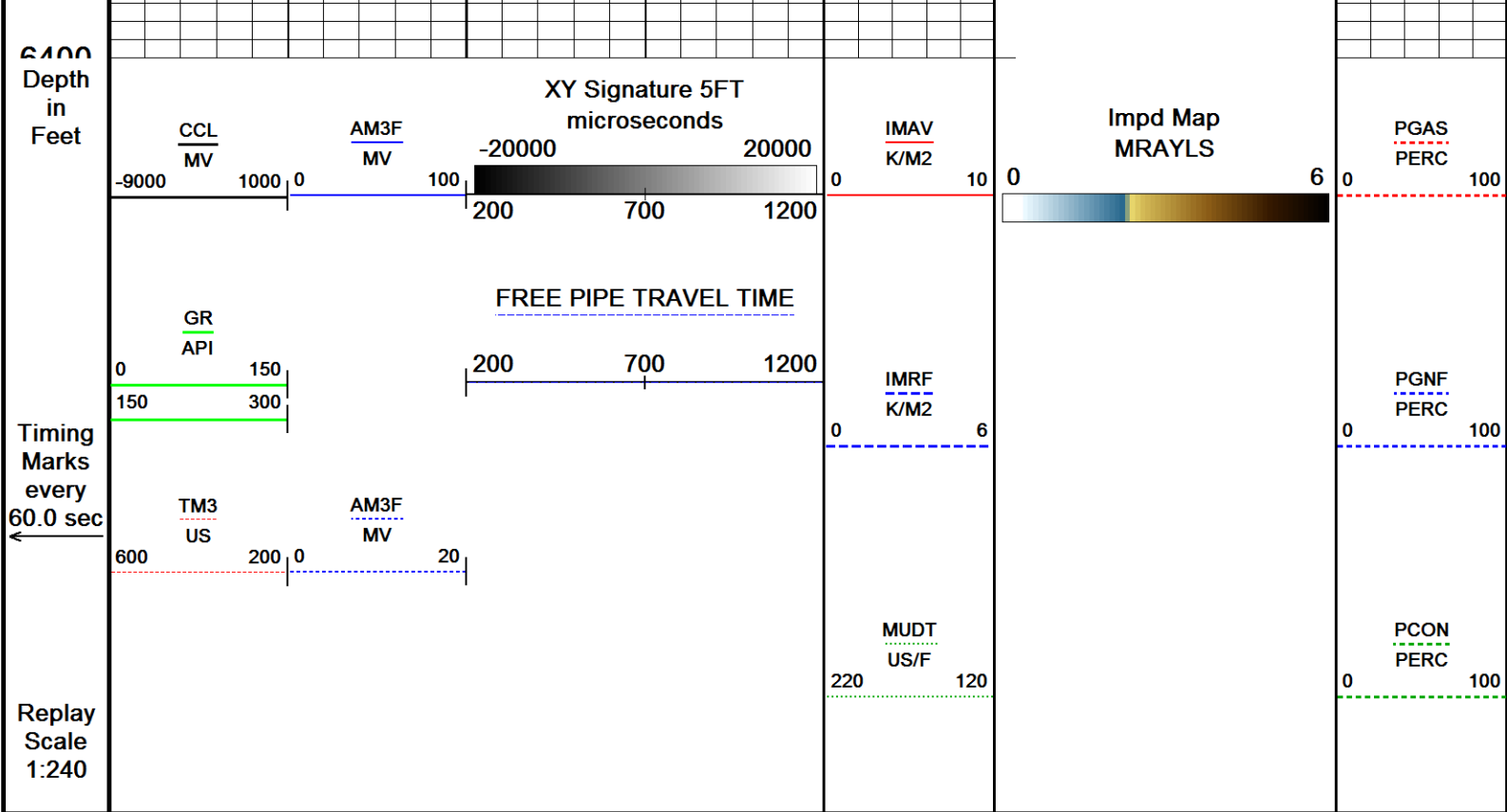
Recorded on 24-FEB-2017 17:44

System Versions: Logged with 16.05.3841 Processed with 16.05.3841 Plotted with 16.05.3841

↑ MAIN PASS 1:240 ↑







Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 24-FEB-2017 18:35

Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #8\MICKEY #8 REPEAT PASS_001.dta

Recorded on 24-FEB-2017 17:56

System Versions: Logged with 16.05.3841 Processed with 16.05.3841 Plotted with 16.05.3841

↑ REPEAT PASS 1:240 ↑

SHOP AND FIELD CALIBRATIONS

C:\Users\le197426\Desktop\EXTRACTION\MICKEY #8\MICKEY #8 MAIN PASS_001.dta

UGR Field Survey Cal UGR-JD 223

Field calibration on 08-FEB-2017 09:03

Gamma Ray Field Survey calibration

Tool Type: UGR-JD Serial No: 223

Calibrator No: TH-57

Background	calibrator	Standard	Units
107.7	589.0	151.0	CPS

Delta Counts Per Sec: 481.3 CPS/API = 3.187

CBT Field calibration CBT-AA 114

Field calibration on 08-FEB-2017 14:41

Cement Bond Tool Amplitude Field calibration

Tool Type CBT-AA Serial No 114

Free Pipe Depth

Sensor	Description	Standard(mv)	Measured(mv)
AMP 3 FT	100 % Bond	2.40	0.00
	Free Pipe	72.00	790.20

AMP 5 FT	100 % Bond	1.60	0.00
	Free Pipe	48.00	549.00

CBT Constants CBT-AA 114

Last Edited on 24-FEB-2017 17:44

Min Ampl 100% Bond	2.00 MV
Max Ampl 0% Bond	90.00 MV
Cement Cmpr Strength	580 PSI
Casing Size	5.50 IN
Casing Weight	20.0 LB/F
Casing Velocity	57.00 US/F
DT Fluid	190.0 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 00-JAN-1988 00:00

Ultrasonic Radial Scanner Before Calibration

Tool Type USH-AB	Serial No 136
------------------	---------------

	Measured	Minimum	Maximum	
Free Pipe	-999.250	0.000	0.000	K/M2
Mud Impedance	1.500	0.000	0.000	K/M2

URS Constants USH-AB 136

Last Edited on 24-FEB-2017 17:44

*** 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	3.70
ZMud Cal Area Ratio	4.10

** 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	1565.00	5.50	36.00	1.50	1.50	0.36	1.00
0.00	17360.00	5.50	20.00	1.50	1.50	0.36	1.00

** Constants **

Thickness calculated from	Tool
Radius Offset	0.00

0.00 US/F

Mud Plate
1.75 K/M2
1.75 K/M2

0.38 K/M2
2.30 K/M2
2.70 K/M2

OFF
0.00 DEG

14.00 LB/G

C:\Users\le197426\Desktop\EXTRACTION\MICKEY #8\MICKEY #8 MAIN PASS_001.dta

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

XOV-WC 121 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

SWH-CC 163 LG: 2.72 ft WT: 77.2 lb OD: 3.346 in

CCL-WA 197 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

- 59.48 ft CCL - Collar Locator

WCC-DA 141 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

UGR-JD 223 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

- 51.39 ft GR - Gamma Ray

CTR GA 121 LG: 4.25 ft W/T: 00.4 lb OD: 2.286 in

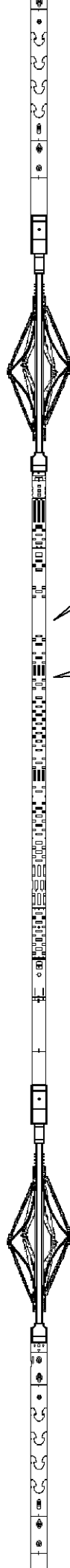
FTP-FA 131 LG: 4.35 ft WT: 90.4 lb OD: 3.386 in

55 pin Roller Centralizer
CEN-XA 132 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Cement Bond Tool
CBT-AA 114 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in

55 pin Roller Centralizer
CEN-XA 142 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

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



36.70 ft AM3F - Amplitude 3FT
36.70 ft TM3 - Travel Time 3FT
35.70 ft TM5 - Travel Time 5FT
35.70 ft XY5 - XY Signature 5FT

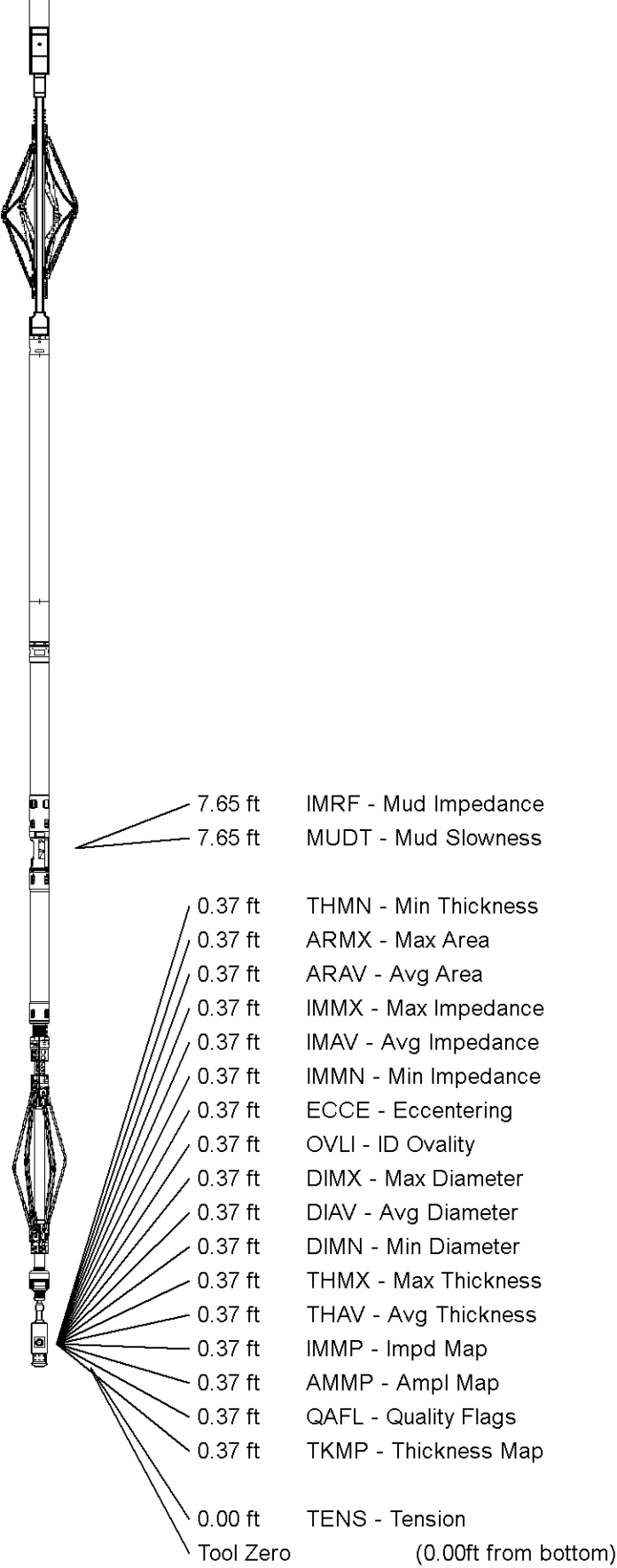
55 pin Roller Centralizer
CEN-XA 197 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

URS Electronics Cartridge
UCC-AA 195 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in

URS Sonde Section
USS-AB 127 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: 65.13 ft Weight: 1122.2 lb



All measurements relative to tool zero.

COMPANY	EXTRACTION OIL AND GAS
WELL	MICKEY #8
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD

COUNTRY/STATE		UNITED STATES / COLORADO			
Elevation Kelly Bushing	feet	Bottom Log Interval	6385.00	feet	
Elevation Drill Floor	feet	Depth Driller		feet	
Elevation Ground Level	feet	Depth Logger	6385.00	feet	
<div><div><div>Weatherford[®]</div><div>SECUREVIEW ULTRAVIEW / BONDVIEW CEMENT ANALYSIS</div></div></div>					