 Weatherford®				SECUREVIEW ULTRAVIEW / BONDVIEW CEMENT ANALYSIS							
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				EXTRACTION OIL AND GAS MICKEY #5 WATTENBERG WELD UNITED STATES / COLORADO SW NE 5-6N-67W							
SEC 5	TWP 6N	RGE 67W	Other Services								
Latitude		Longitude		Permanent Datum GL, Elevation feet Log Measured From KB Drilling Measured From KB							
API Number		05-123-43855									
Run Number		ONE									
Service Order		7145-174901576									
Type Log		URS / CBT		Shot		Number		Depth From		Depth To	
Depth Driller				Density		of Shots		feet		feet	
Depth Logger		6570.00									
Top Log Interval		0.00									
Bottom Log Interval		6570.00									
Hole Fluid Type		WATER BASED									
Hole Fluid Level		75.00		feet							
Restriction ID		4.653		inches		Gun Type					
Max Recorded Temp		187.00		deg F		Gun Size					
Well Head Pressure		0.00		psi		CASING / TUBING RECORD					
Well Head Equipment		NONE		Size		Weight		Depth From		Depth To	
Time Well Ready		ON ARRIVAL		inches		pounds/ft		feet		feet	
Time Logger Bottom		11:00		9.625		36.00		0.00		1565.00	
Unit		14329		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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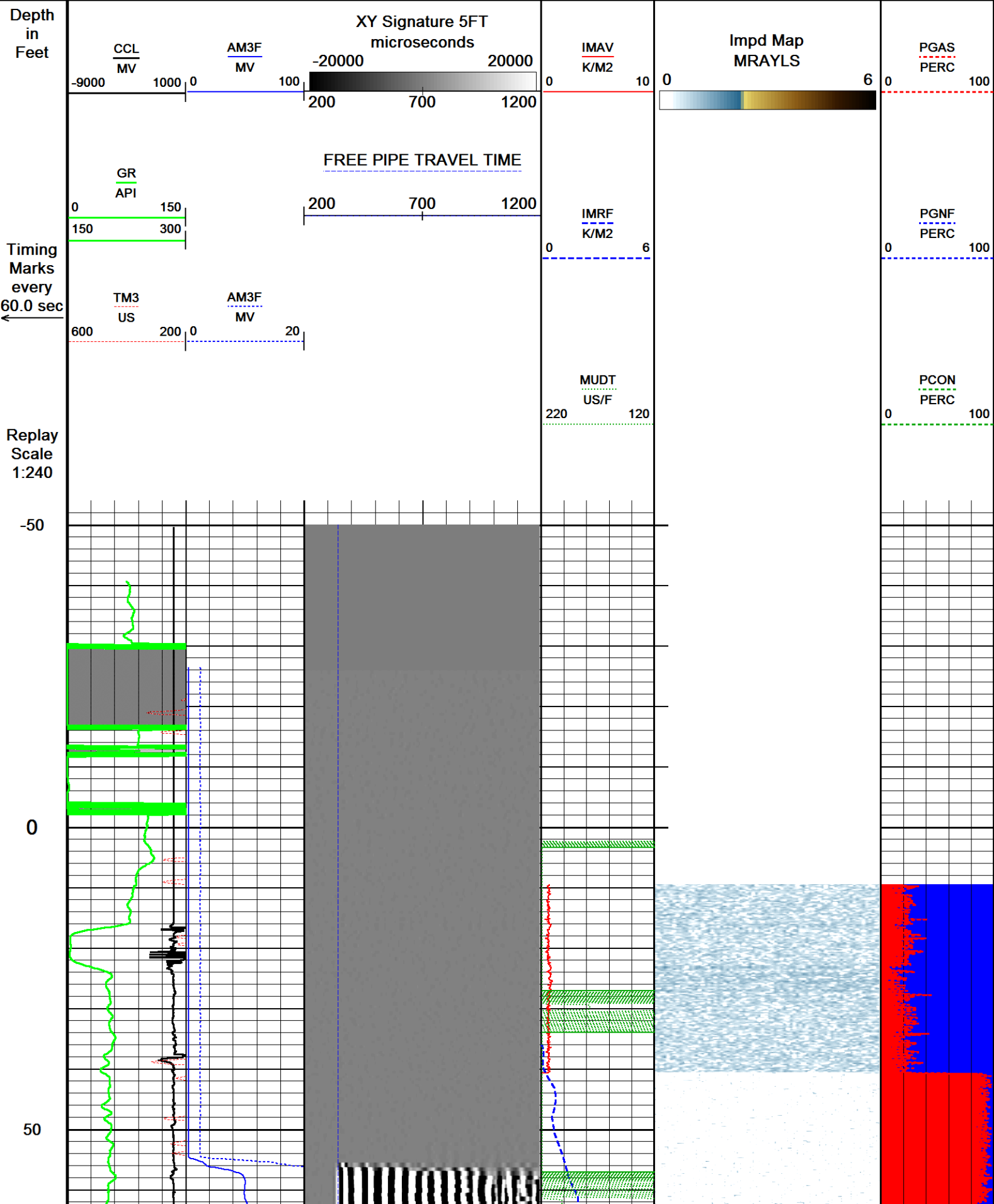
Depth Based Data - Maximum Sampling Increment 2.5cm

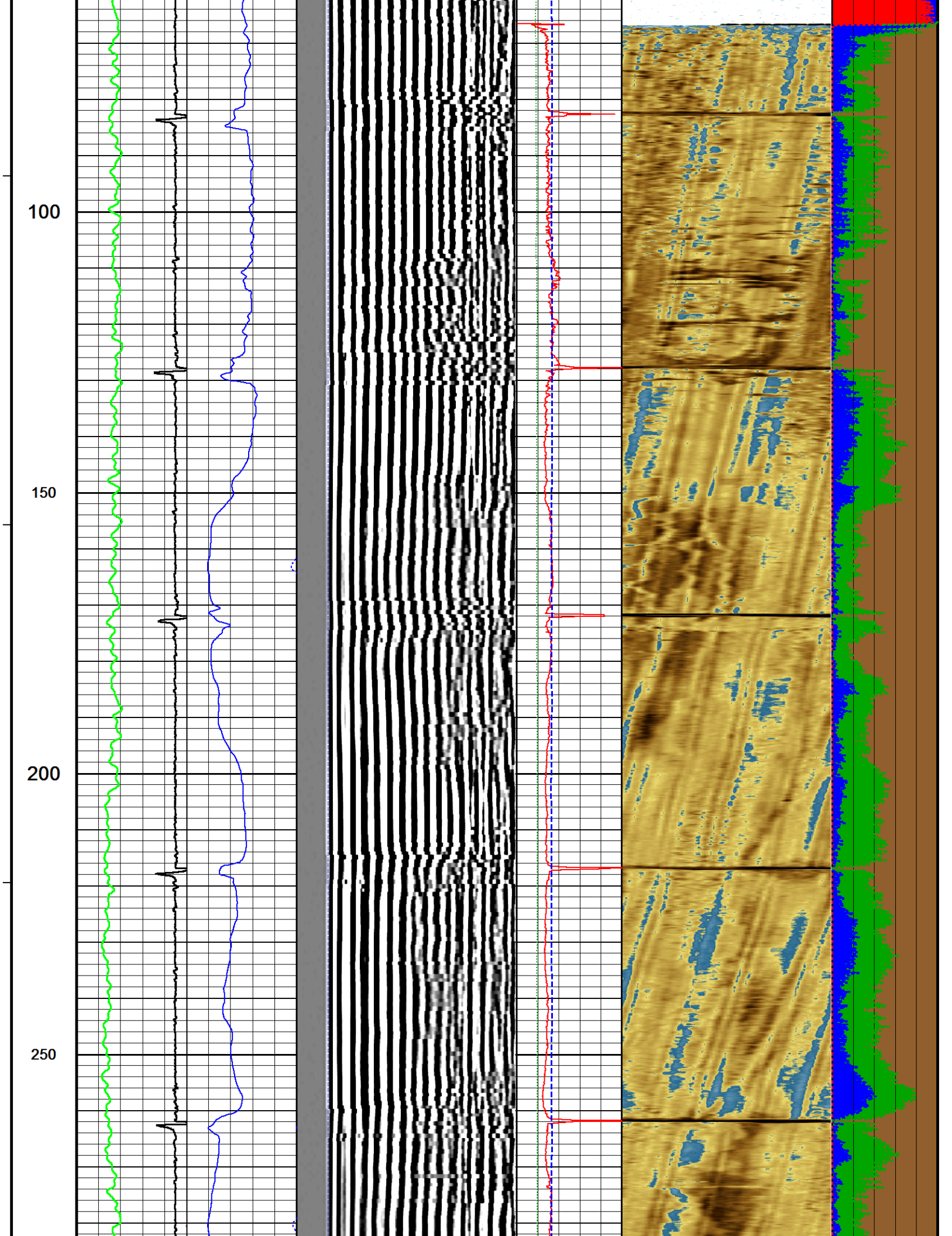
Plotted on 23-FEB-2017 14:09

Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #5\MICKEY #5 MAIN PASS.dta

Recorded on 23-FEB-2017 11:13

System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841





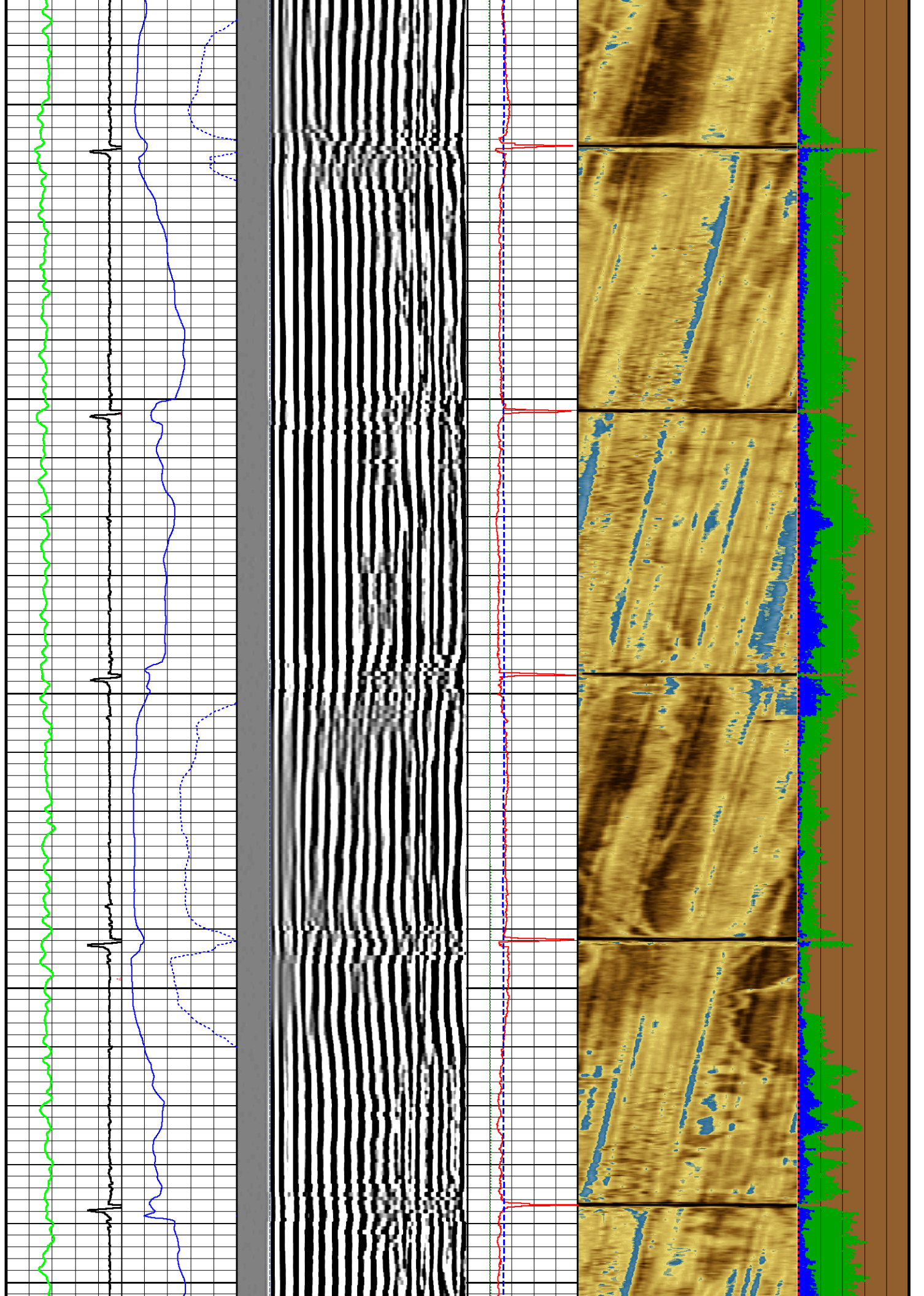
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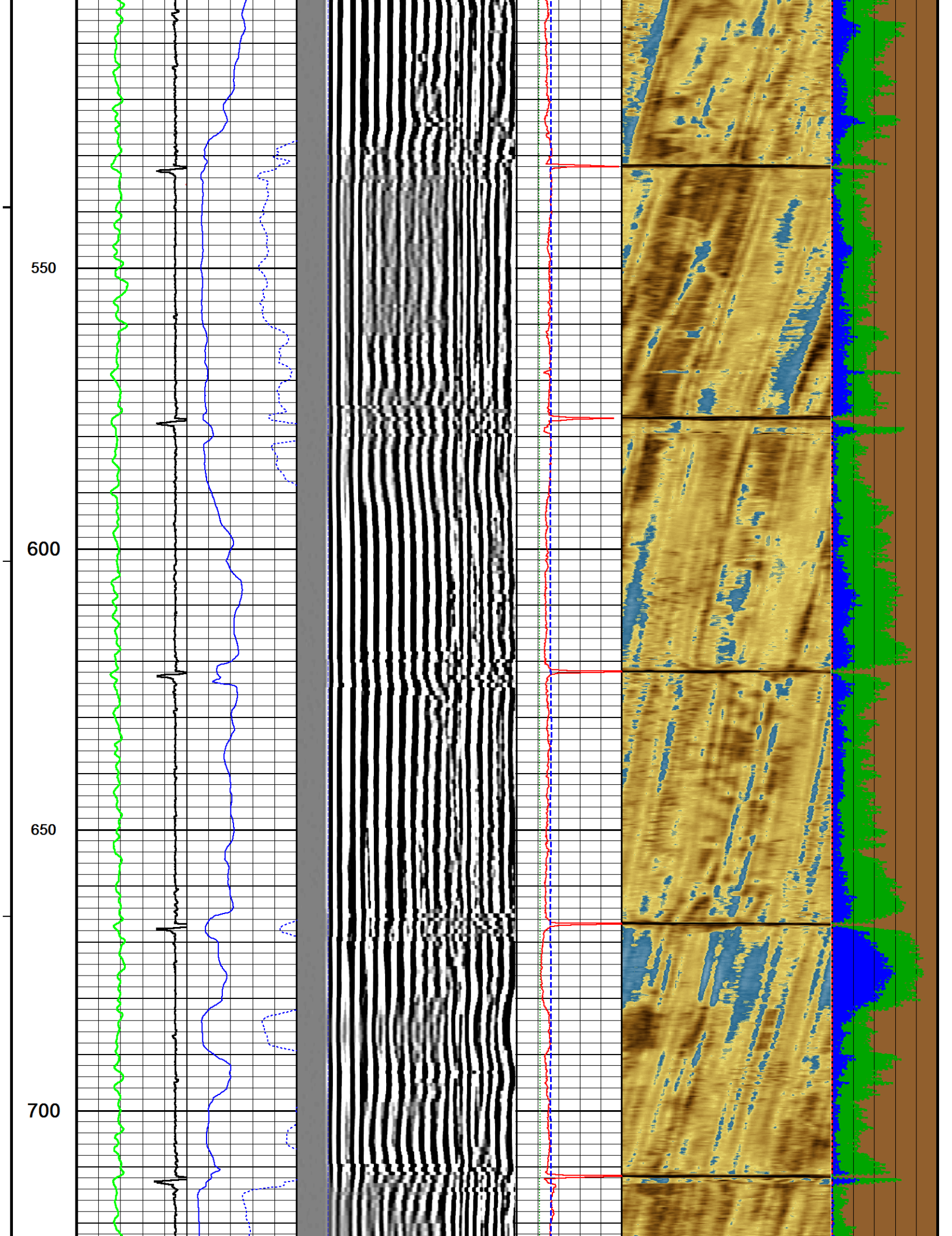
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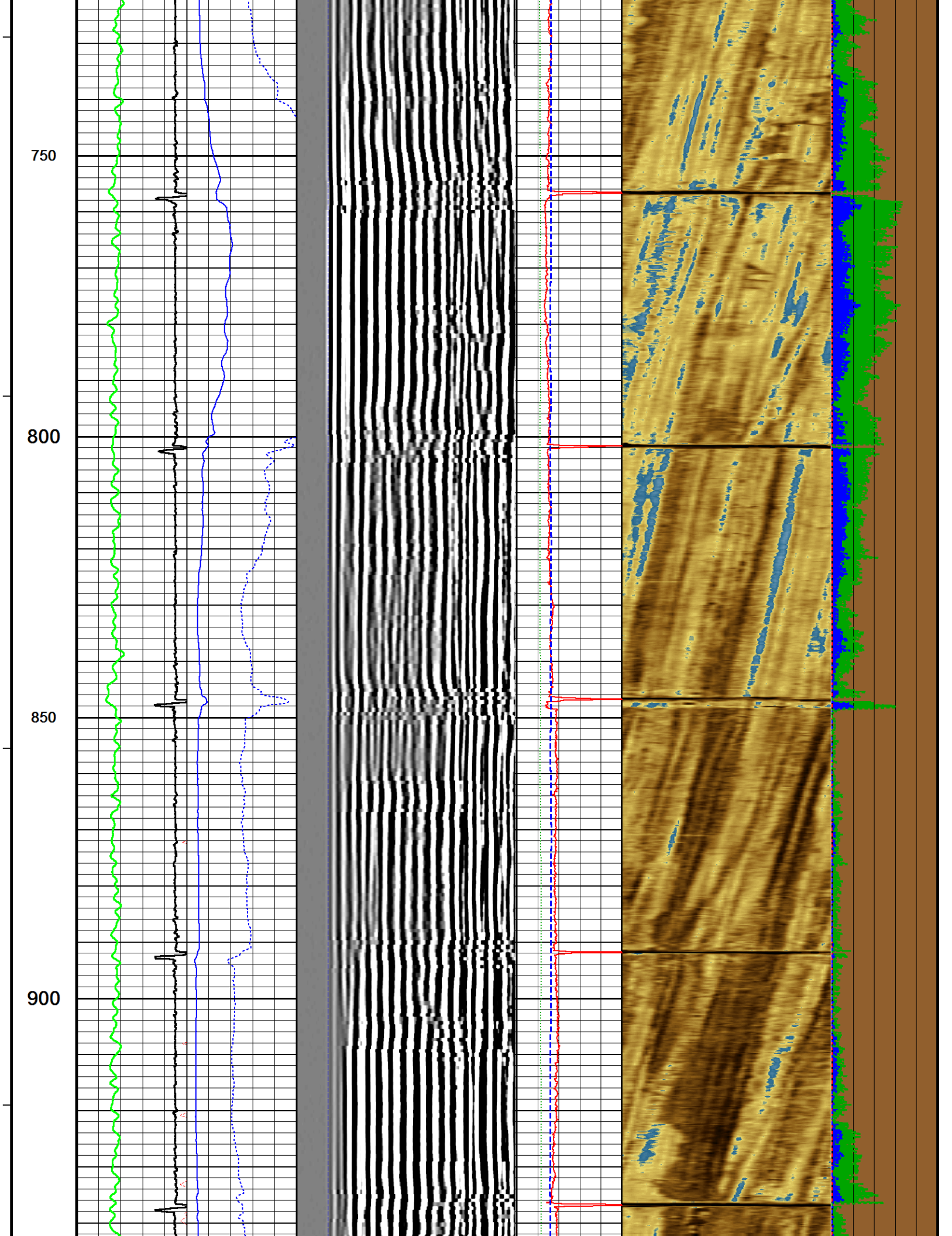
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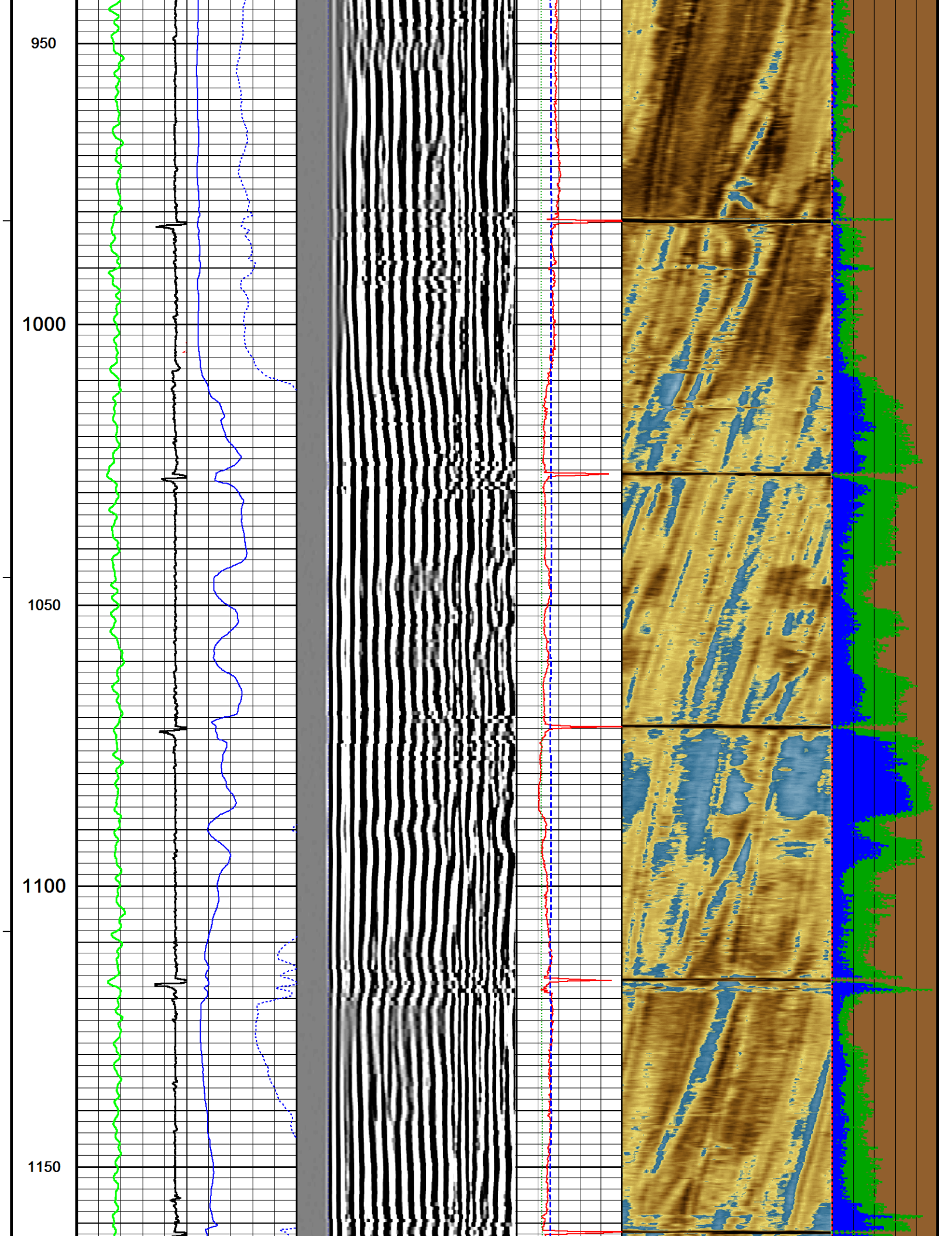
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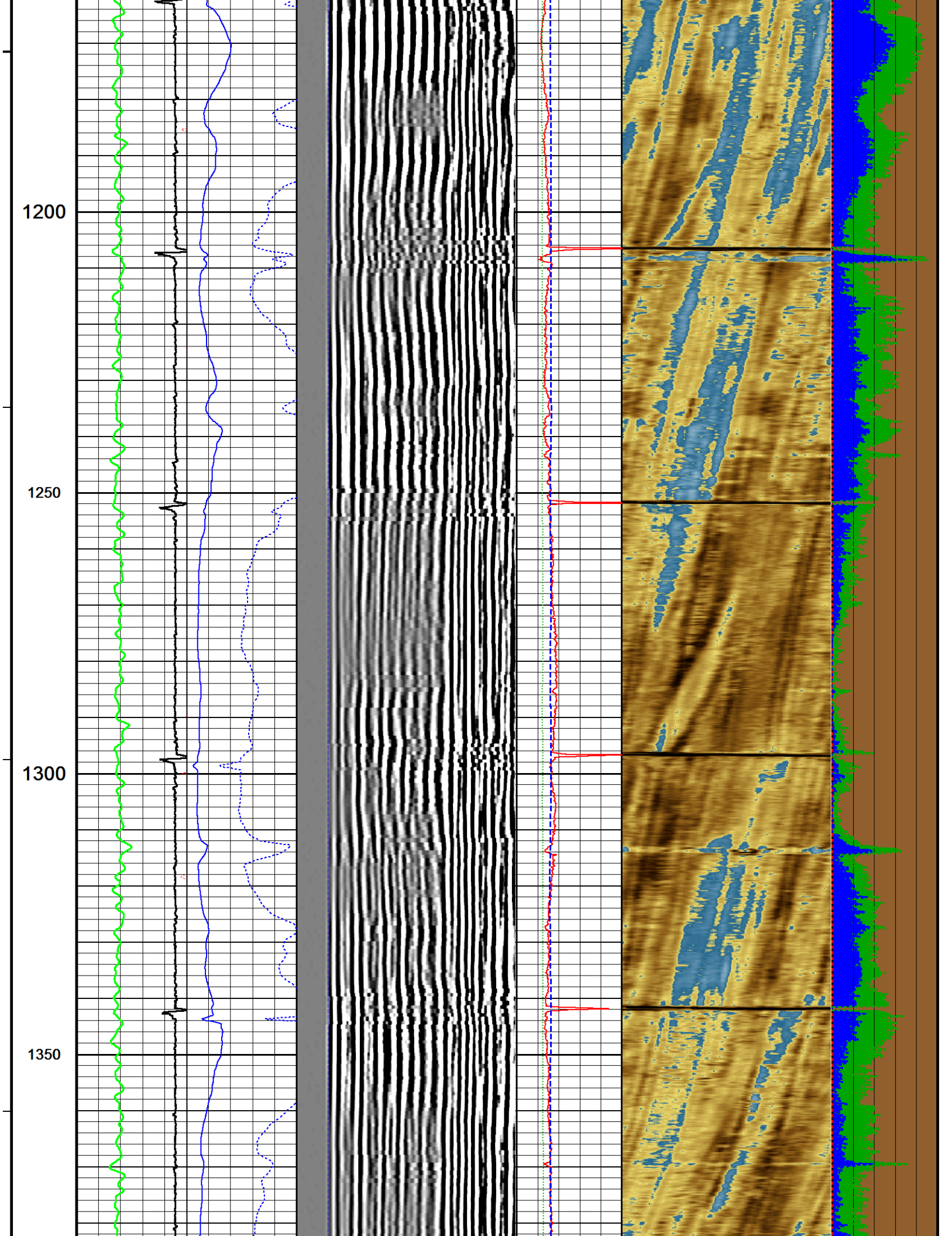
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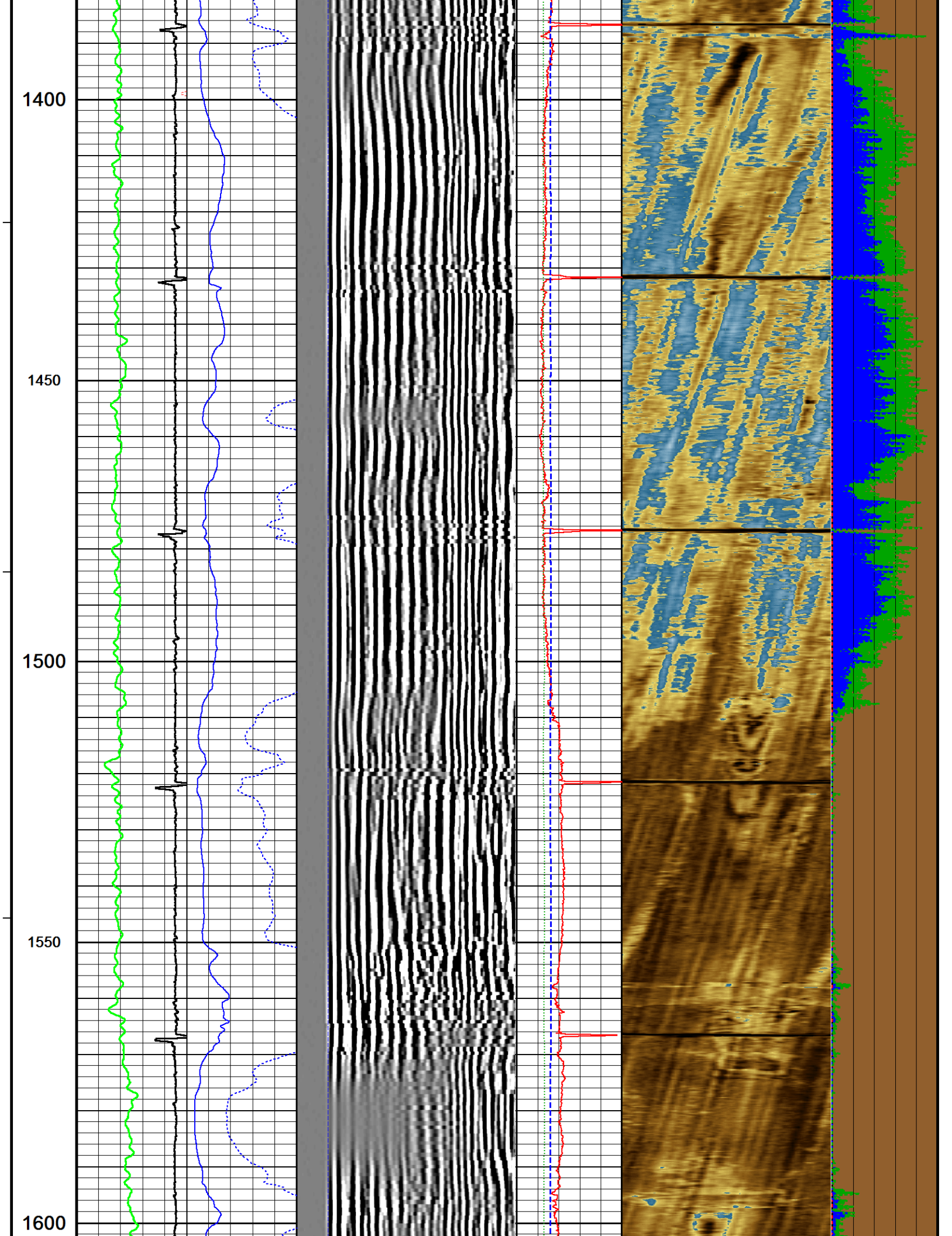


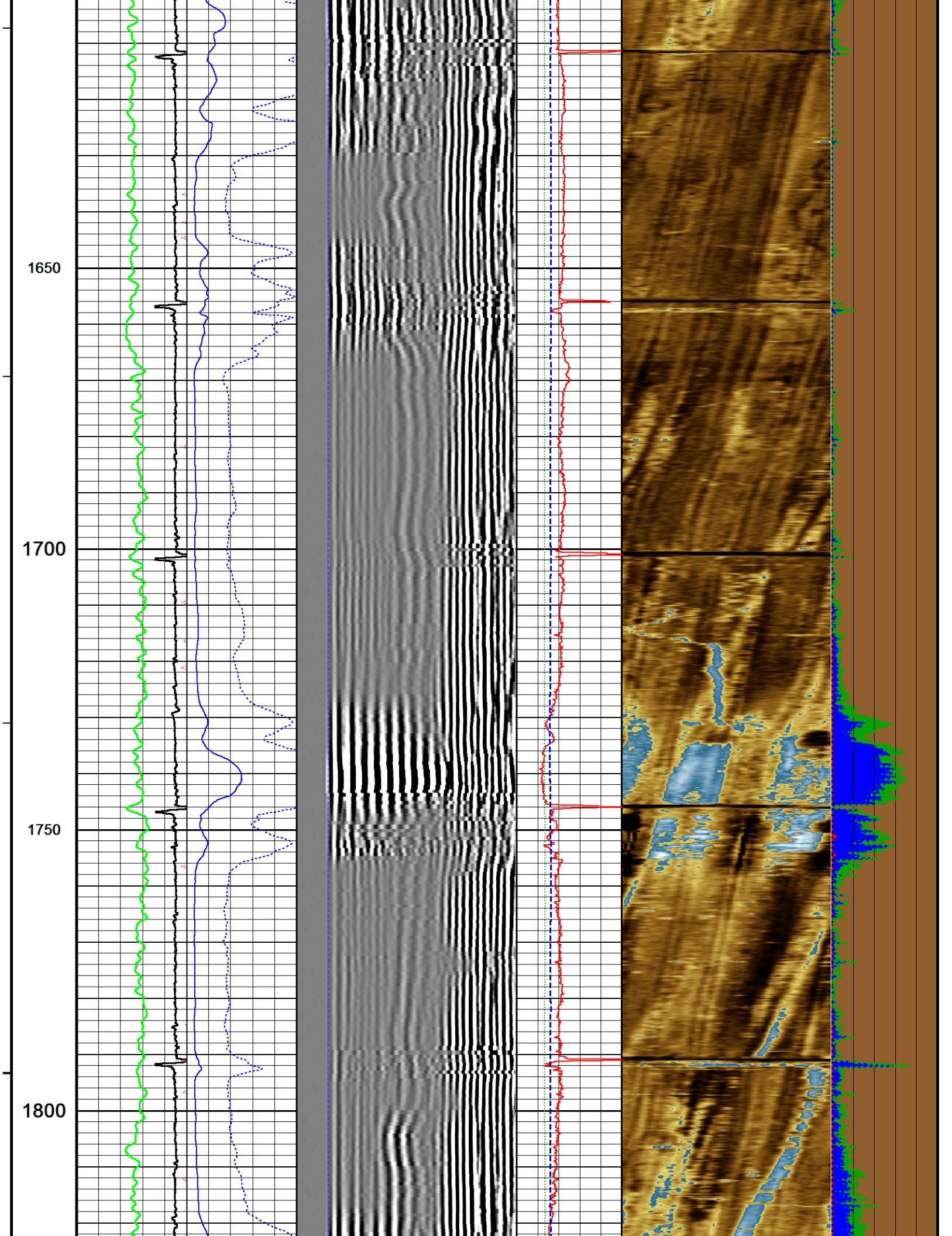


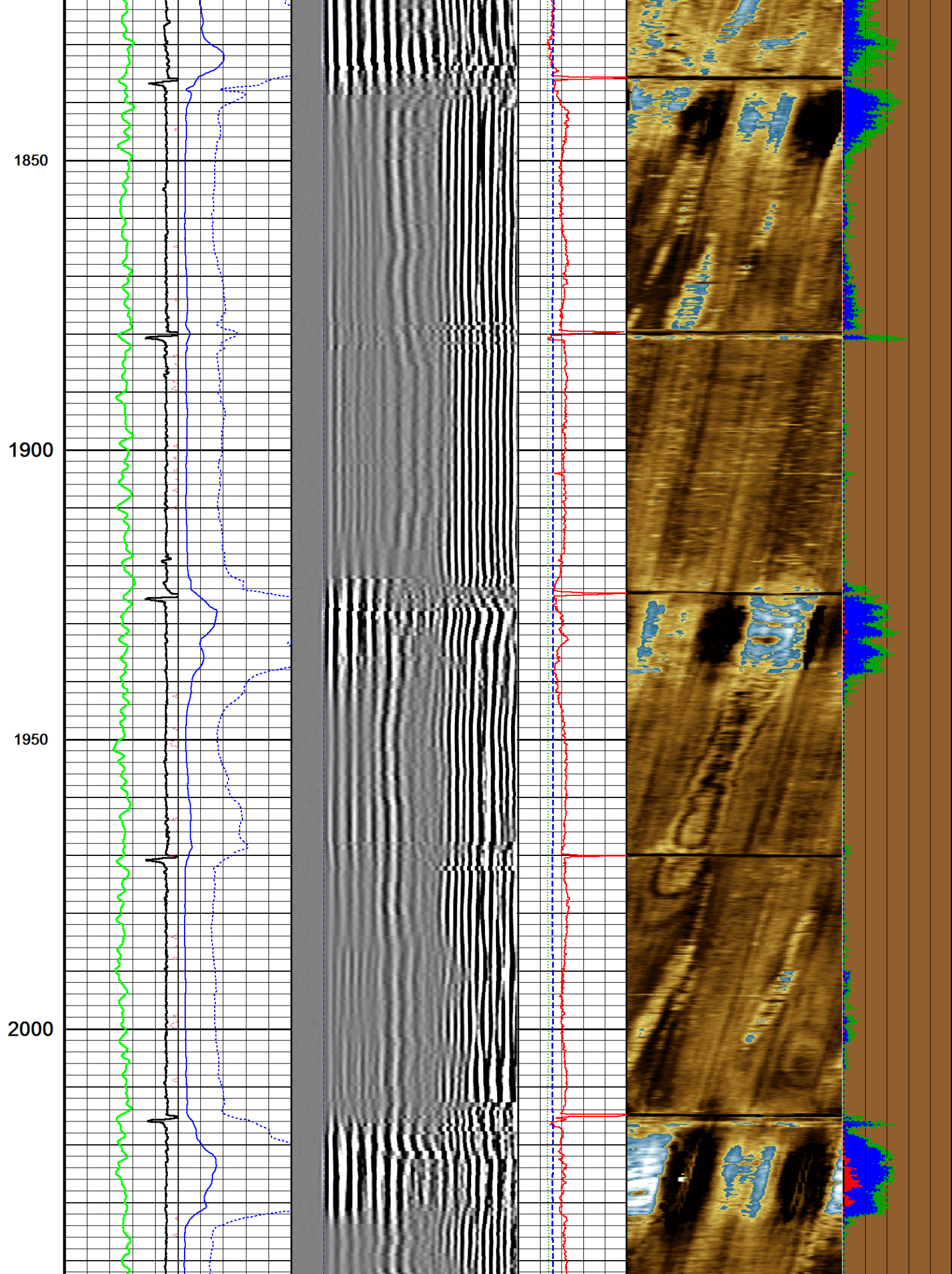


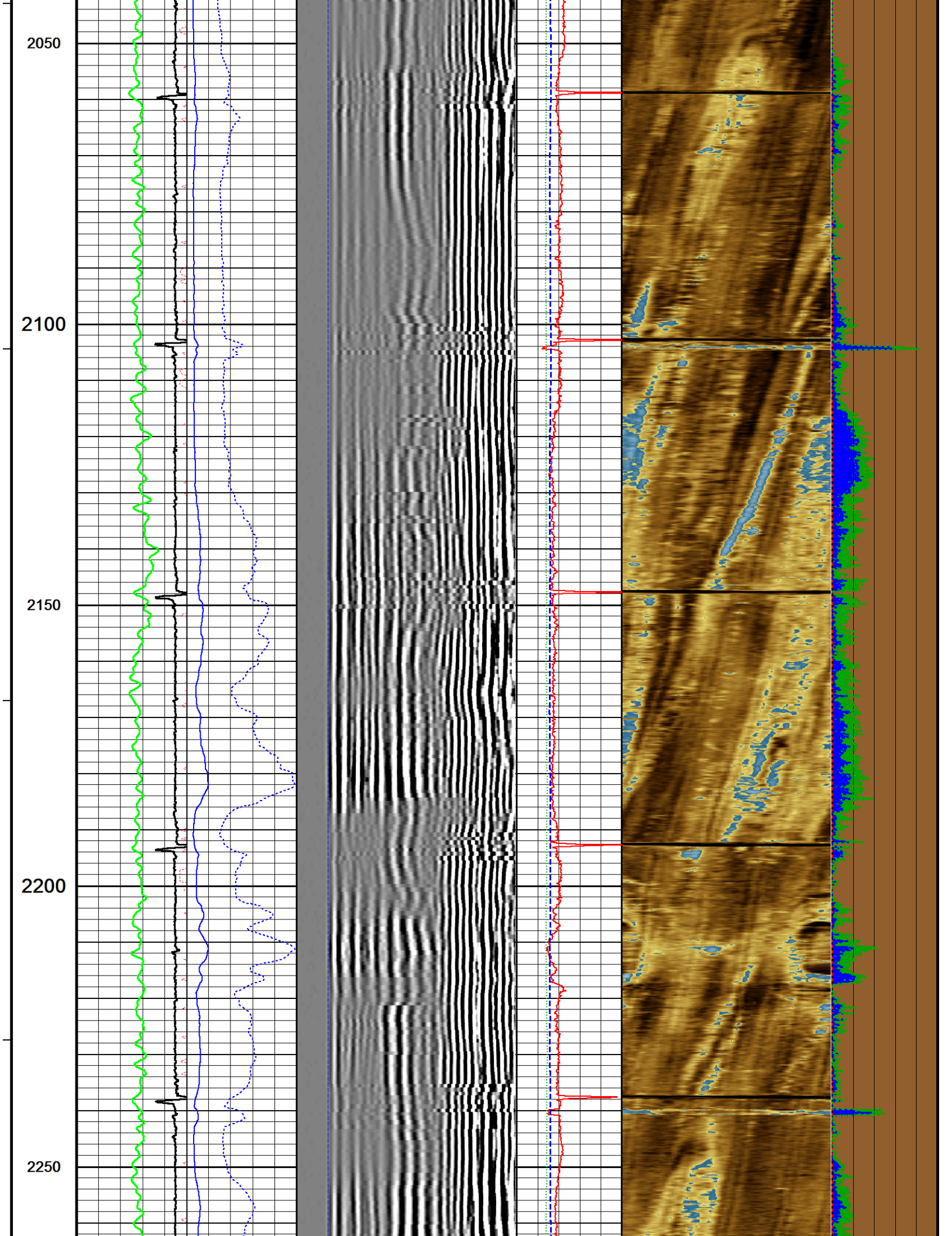


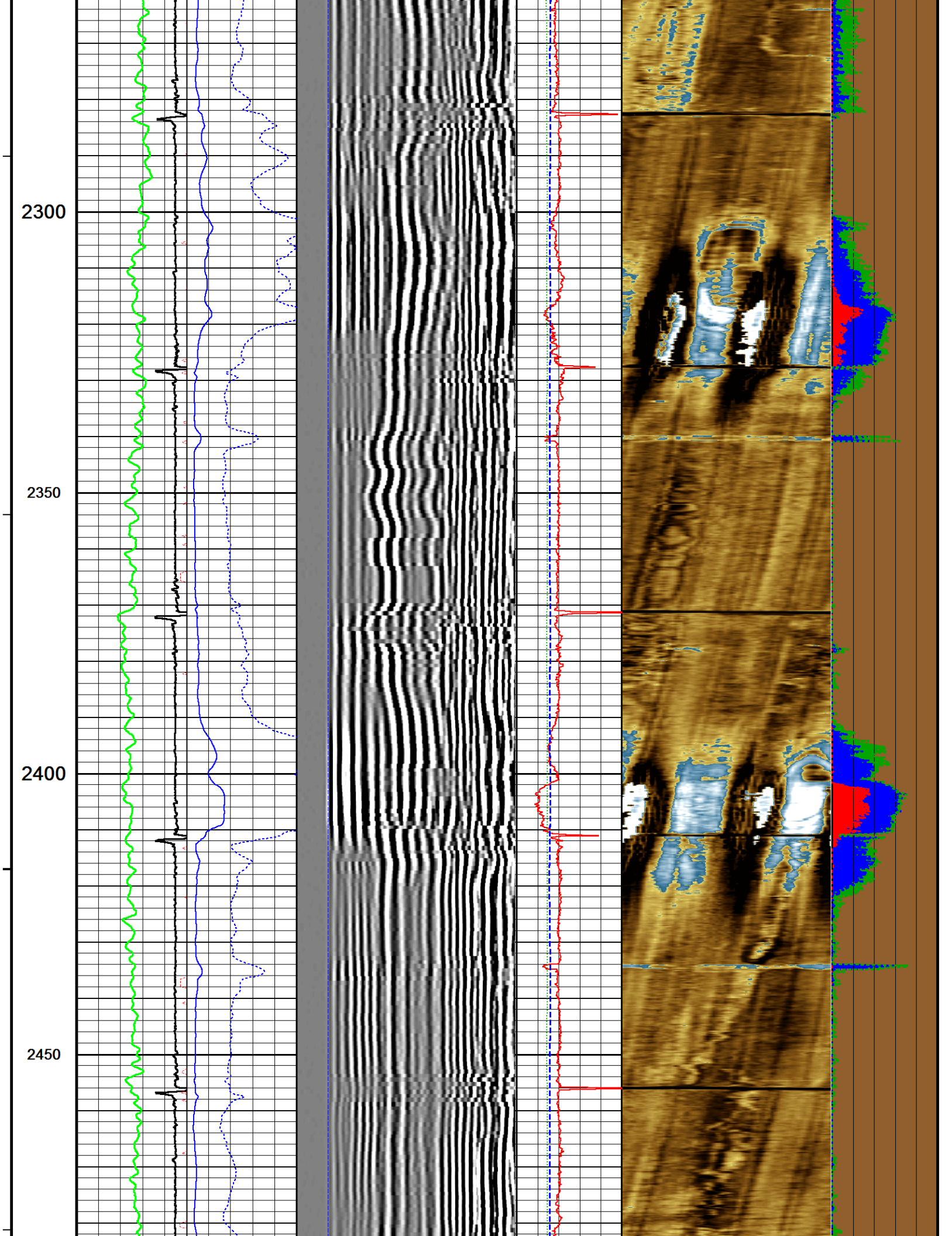


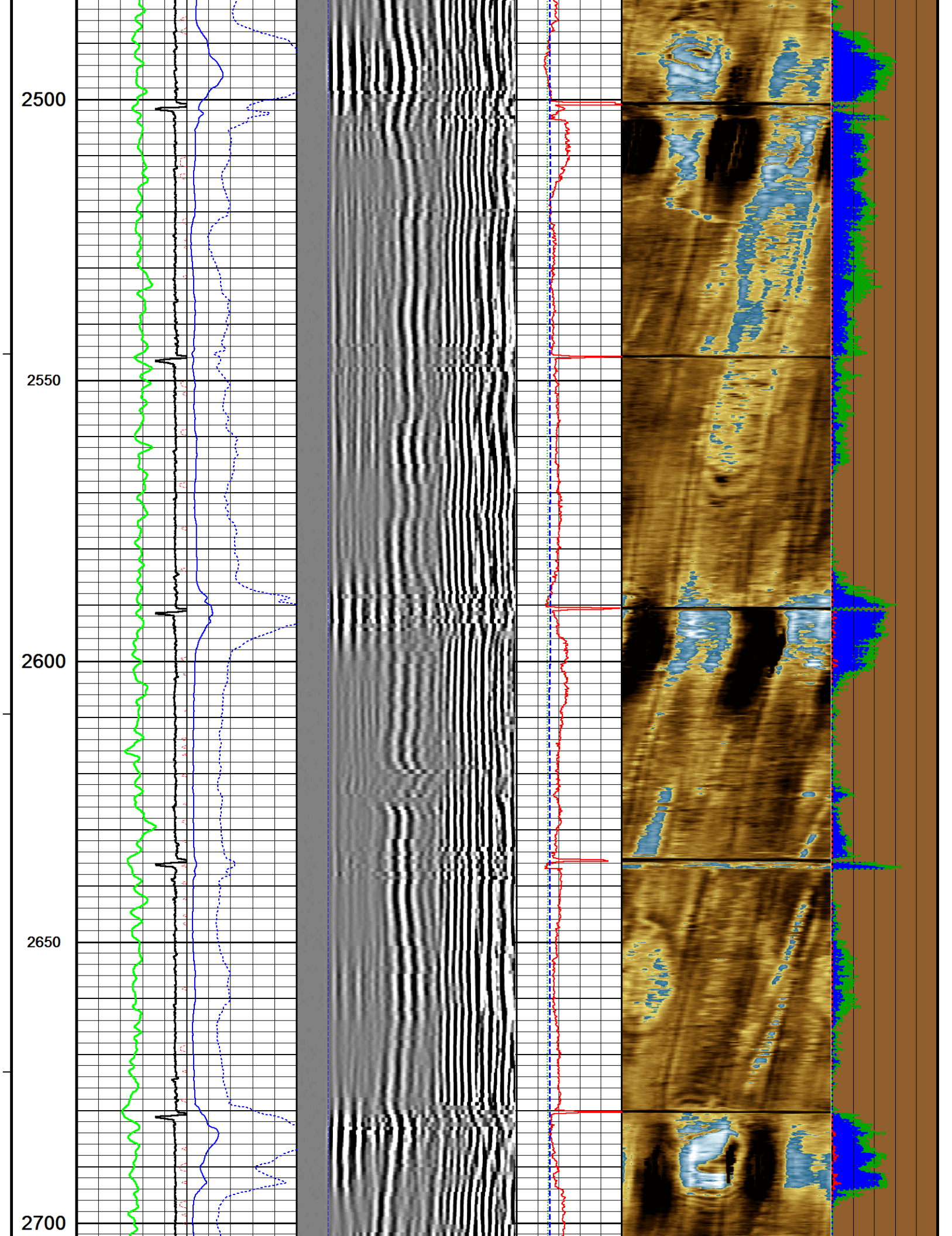


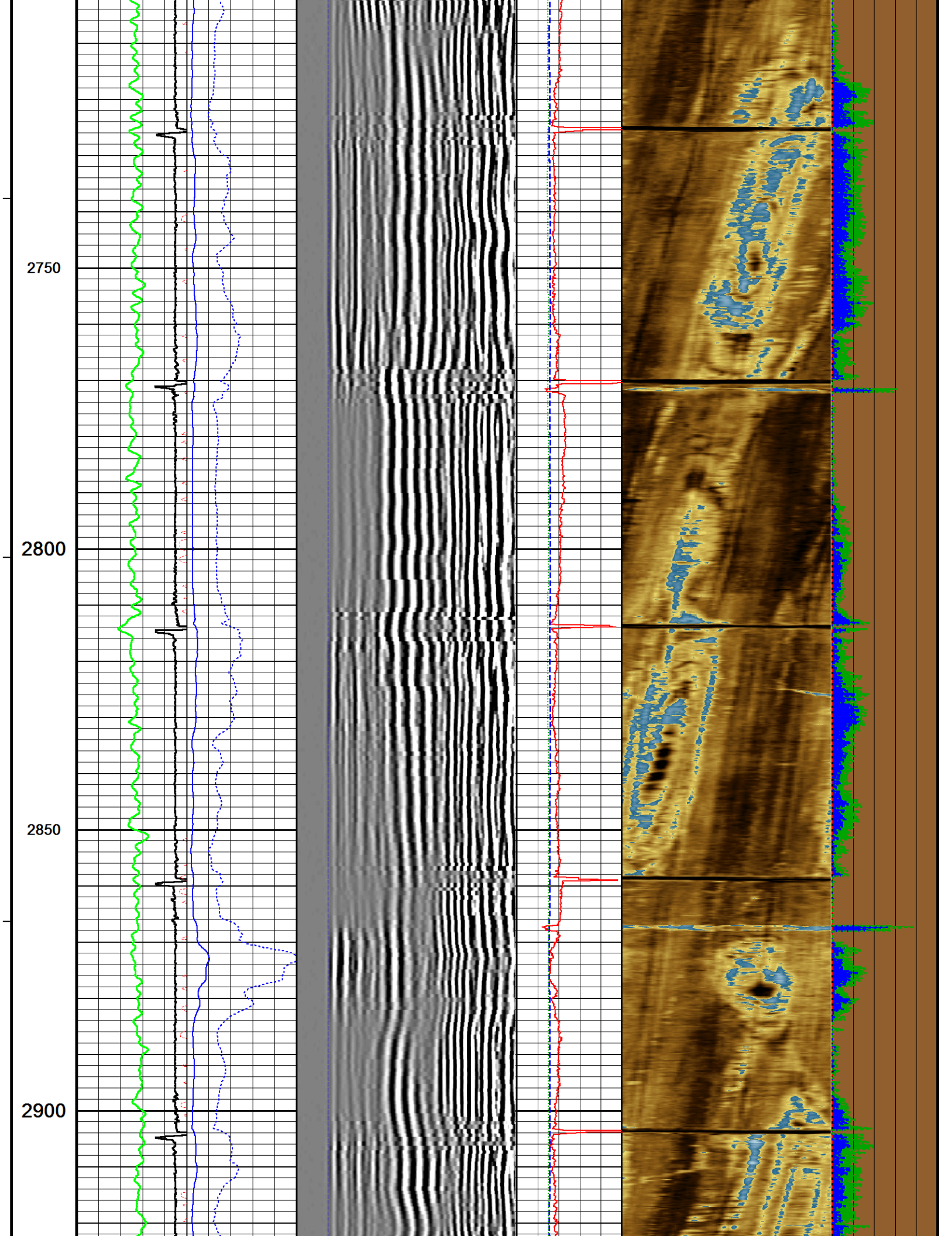


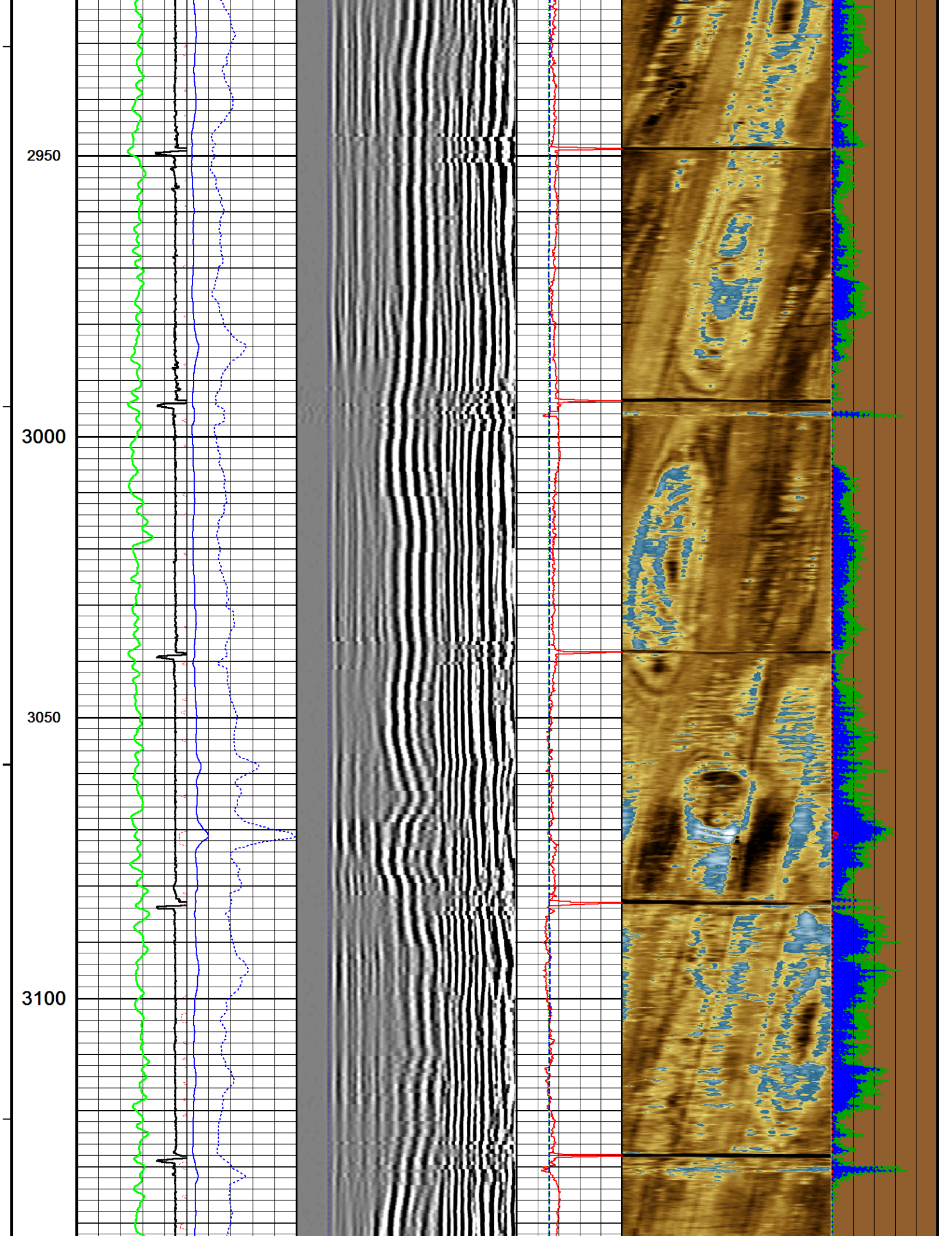


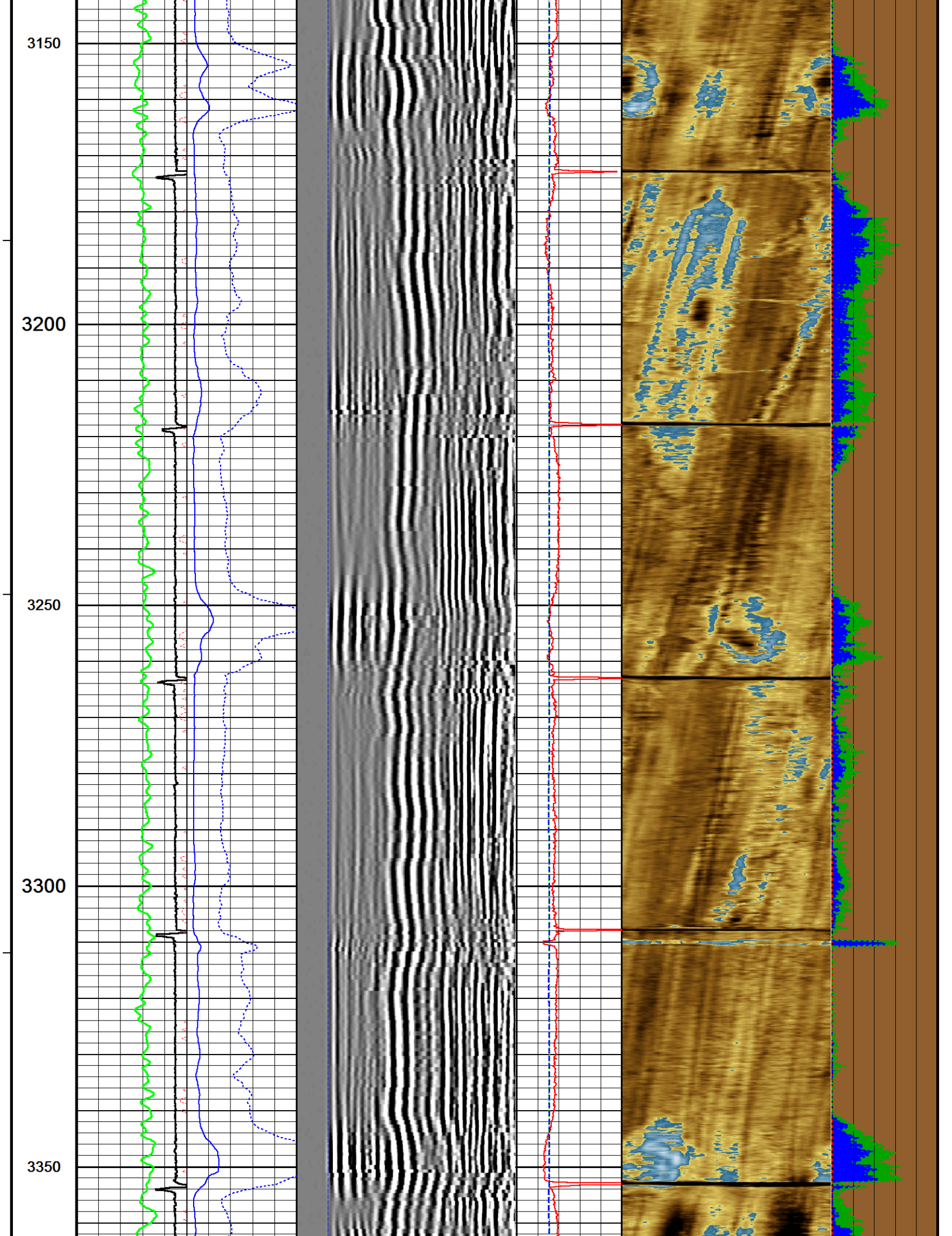


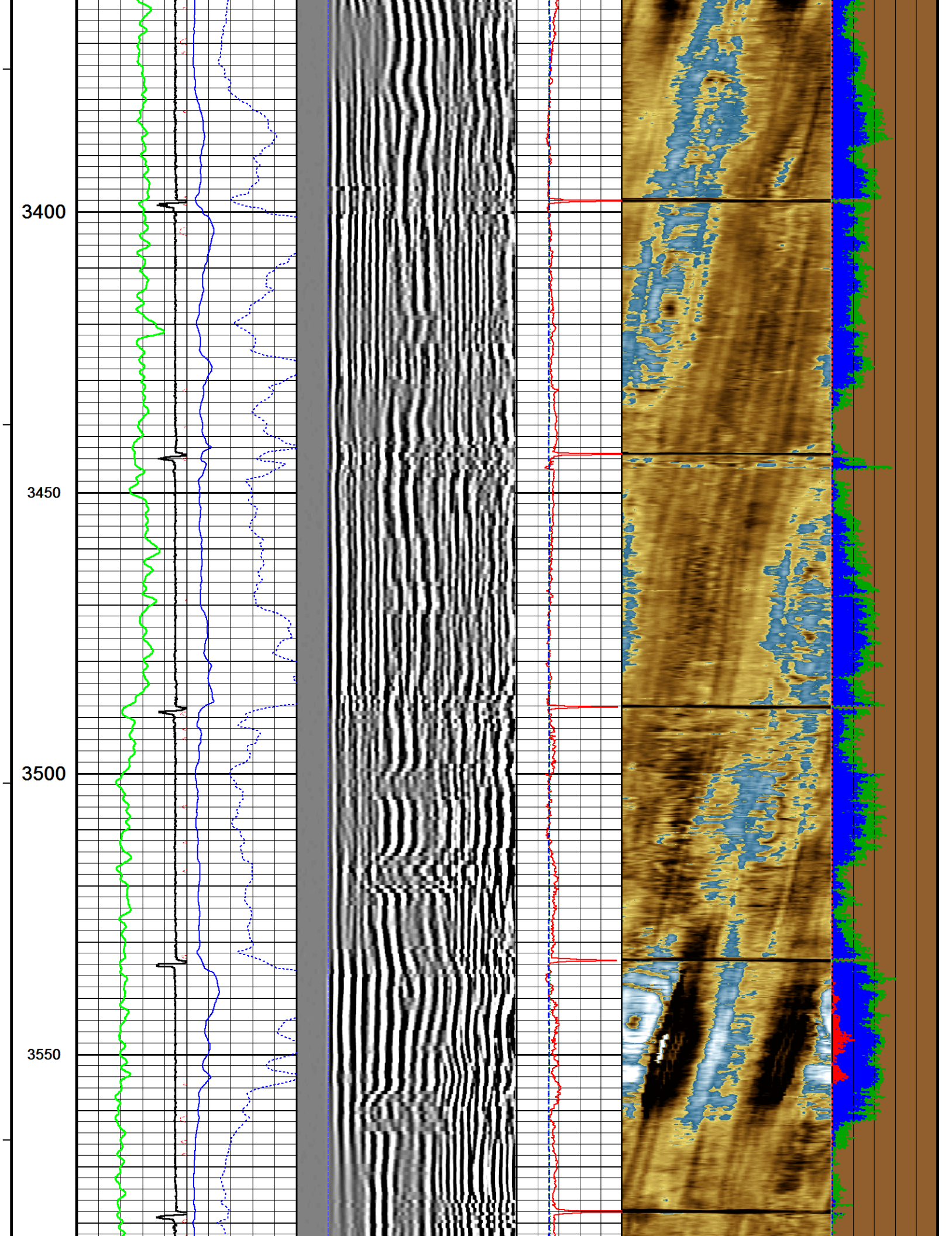


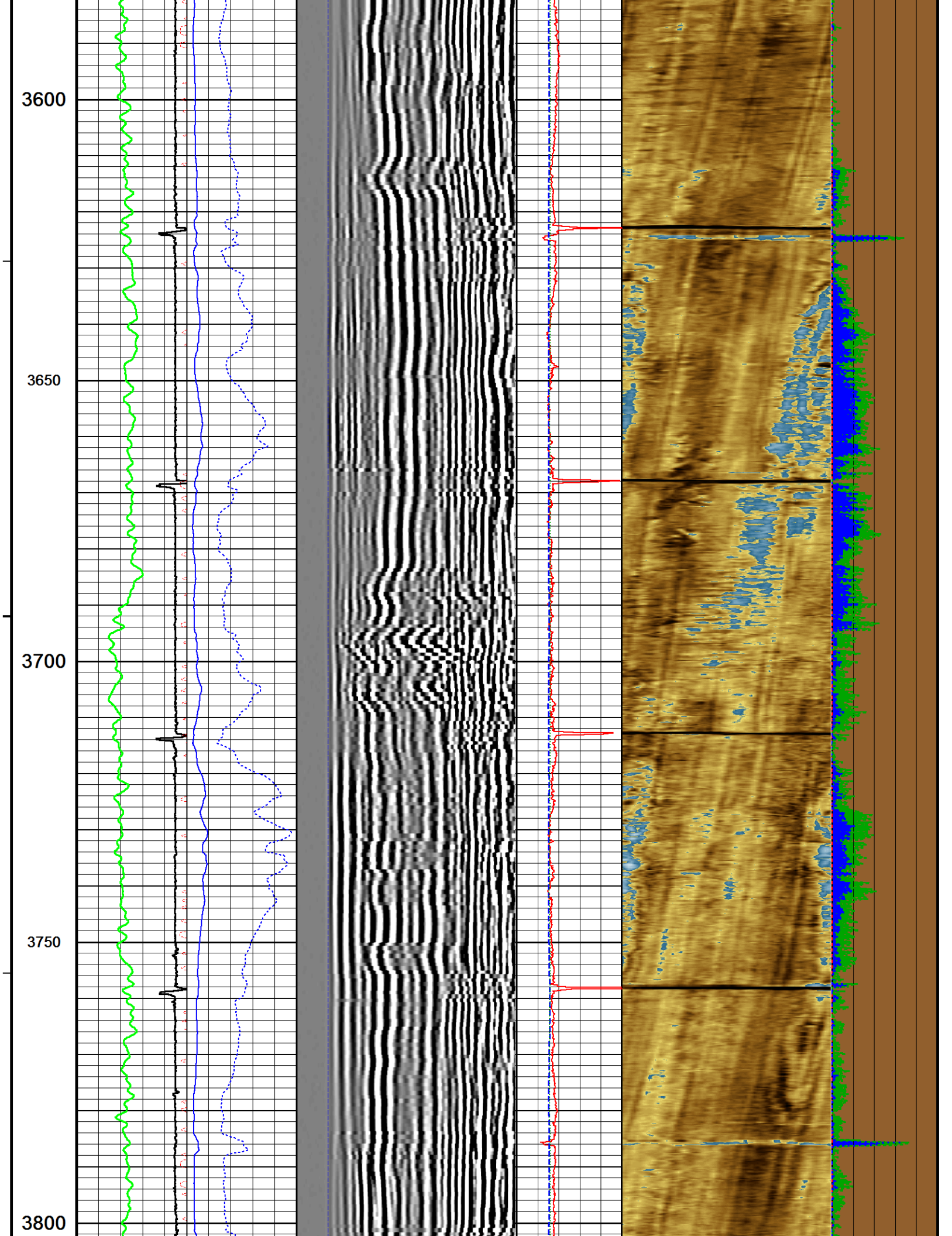


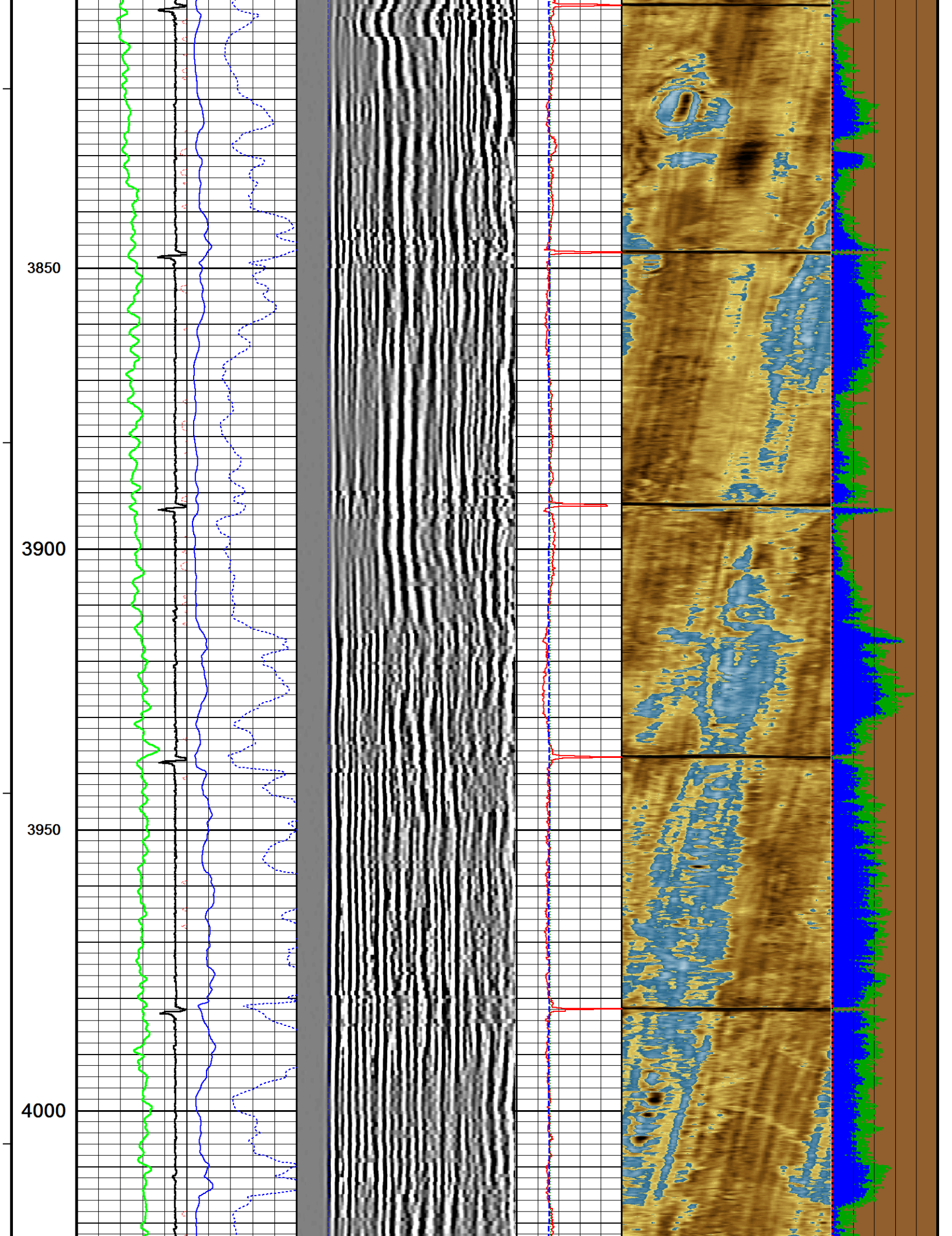


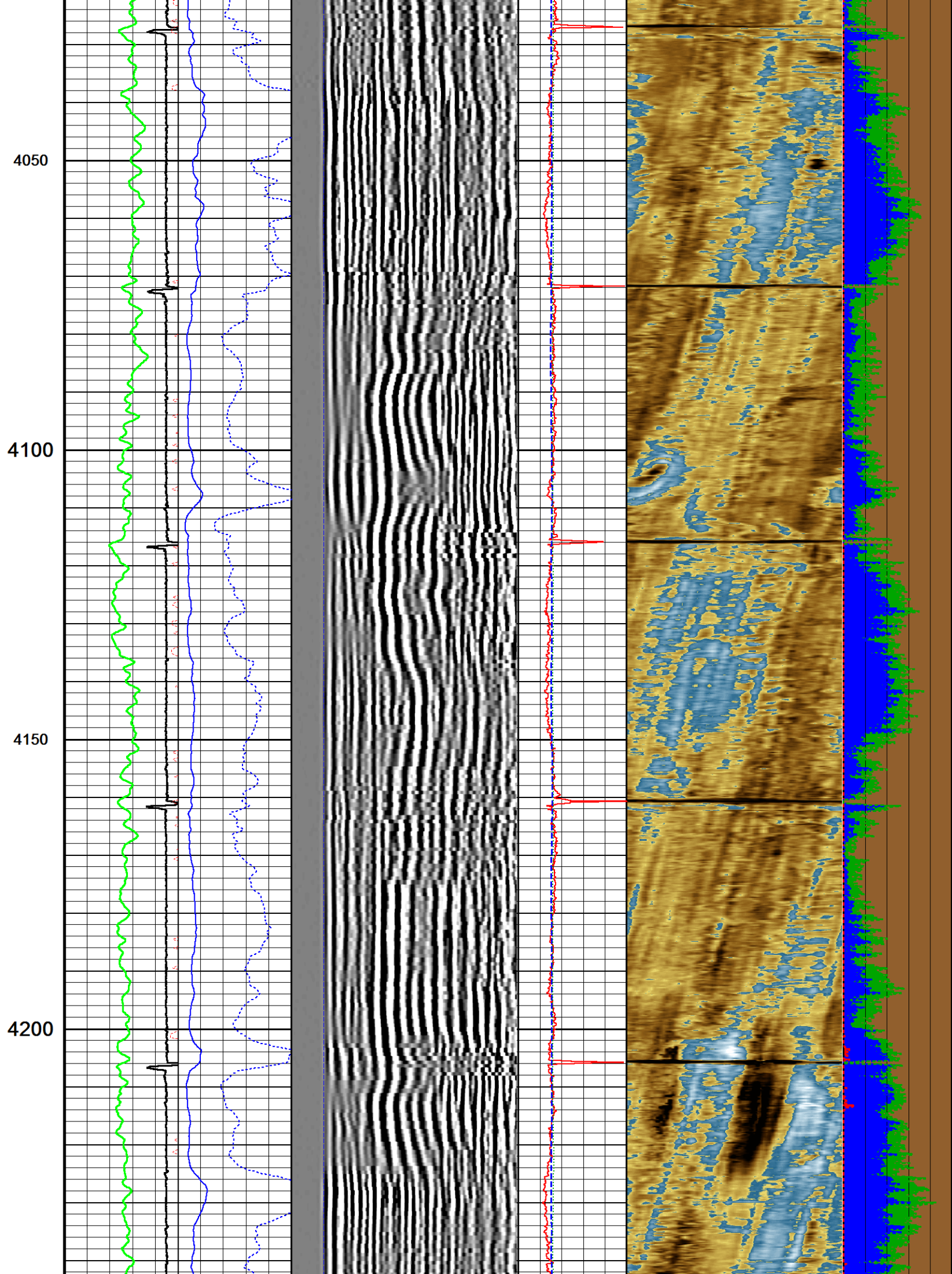


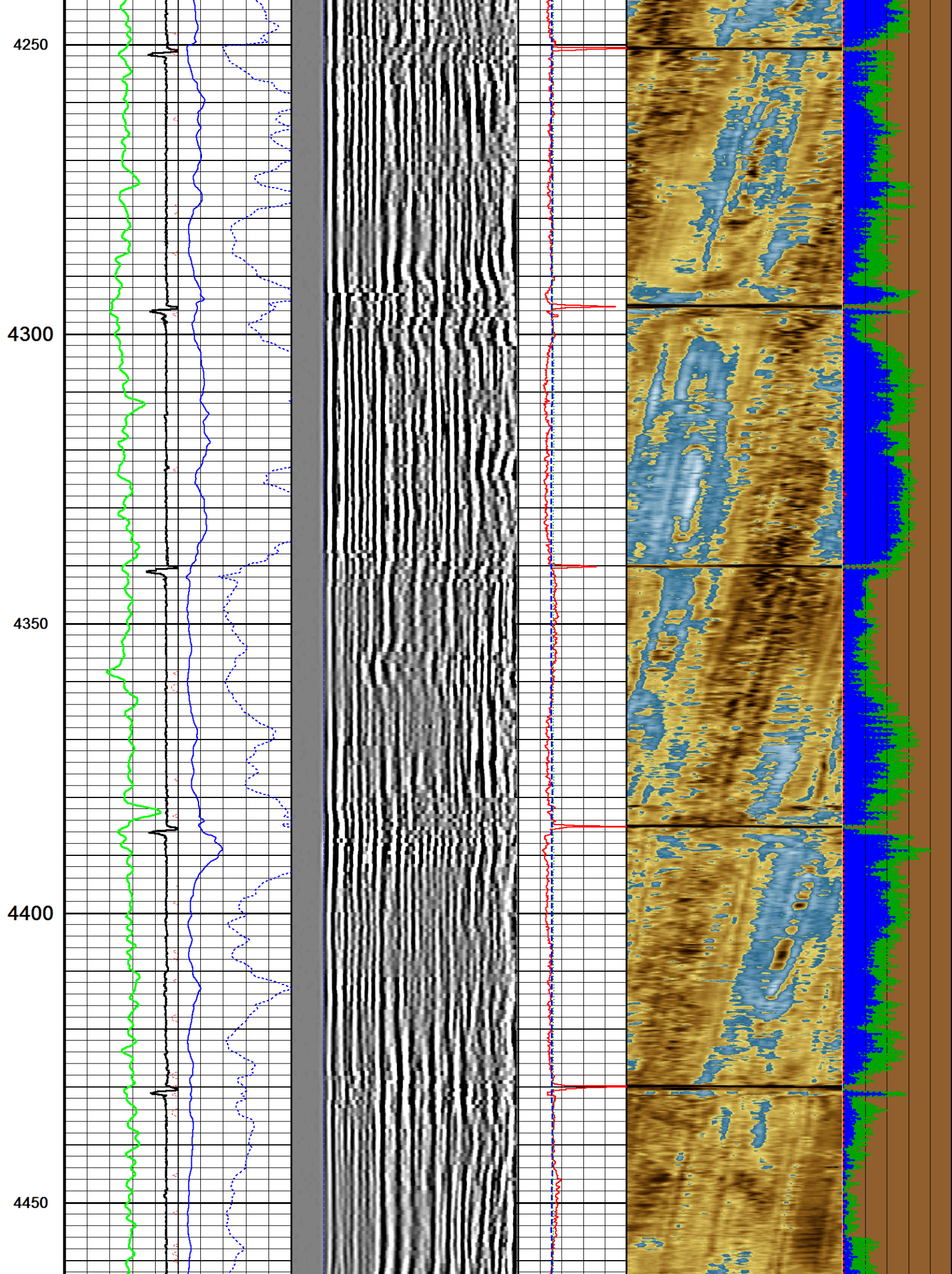


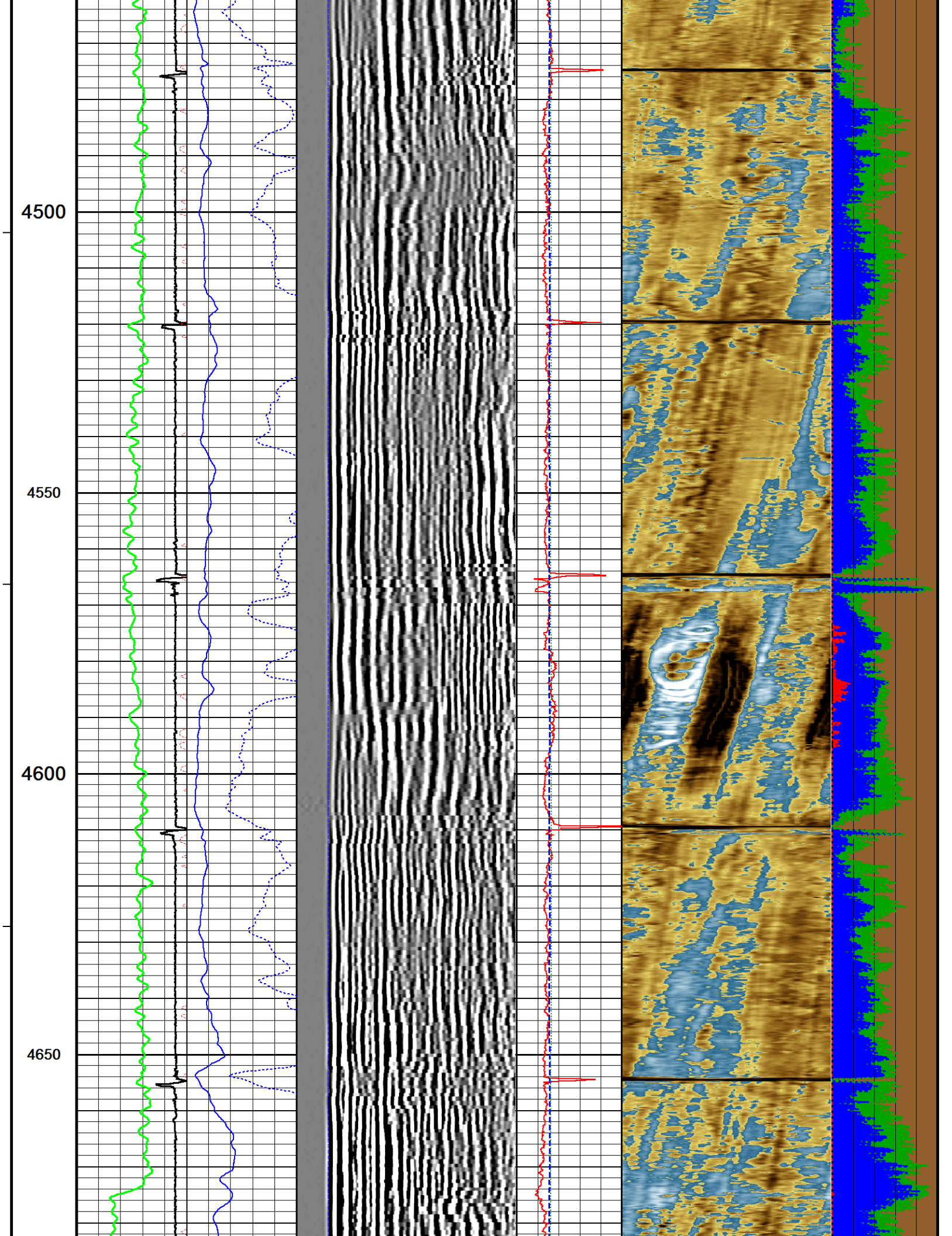


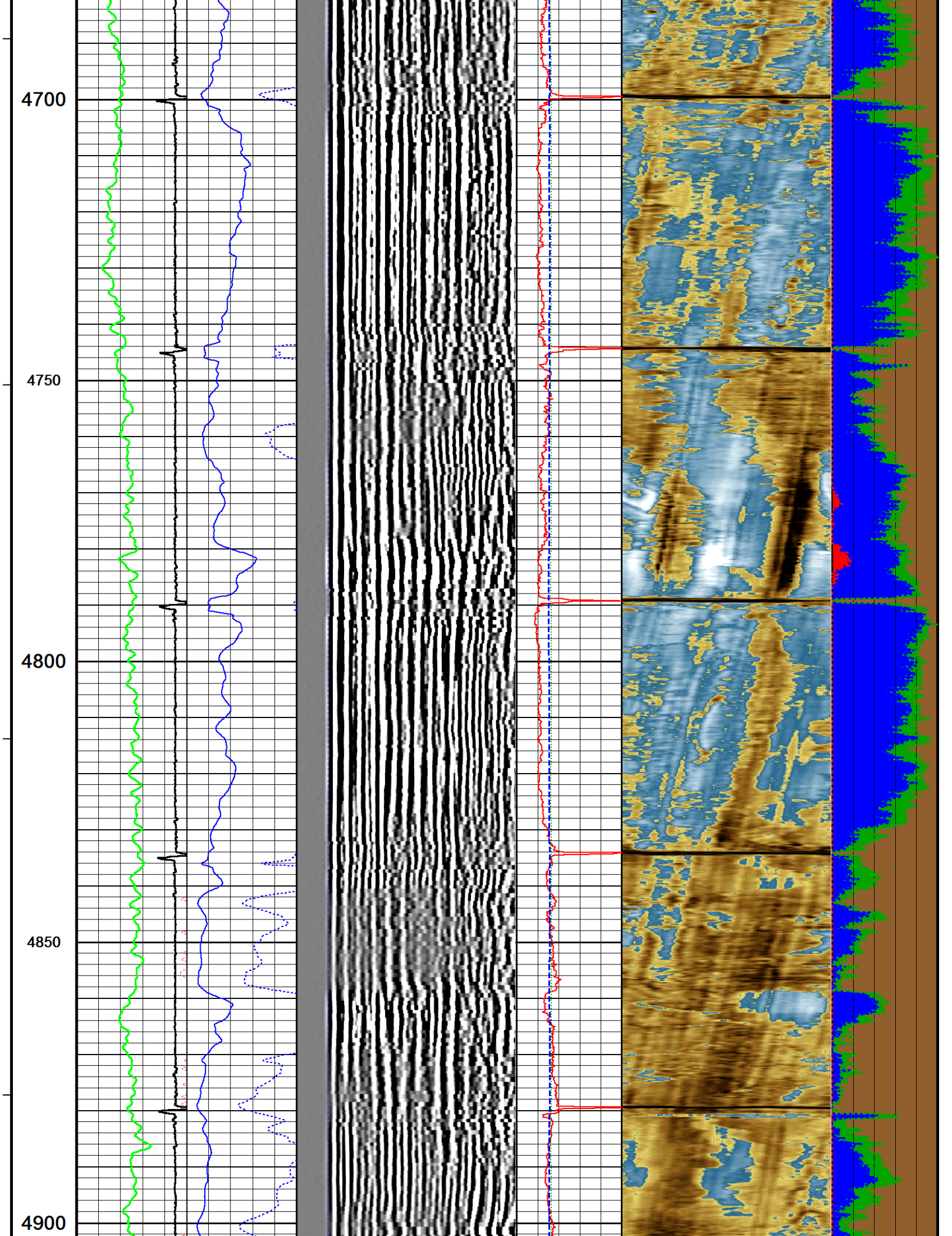


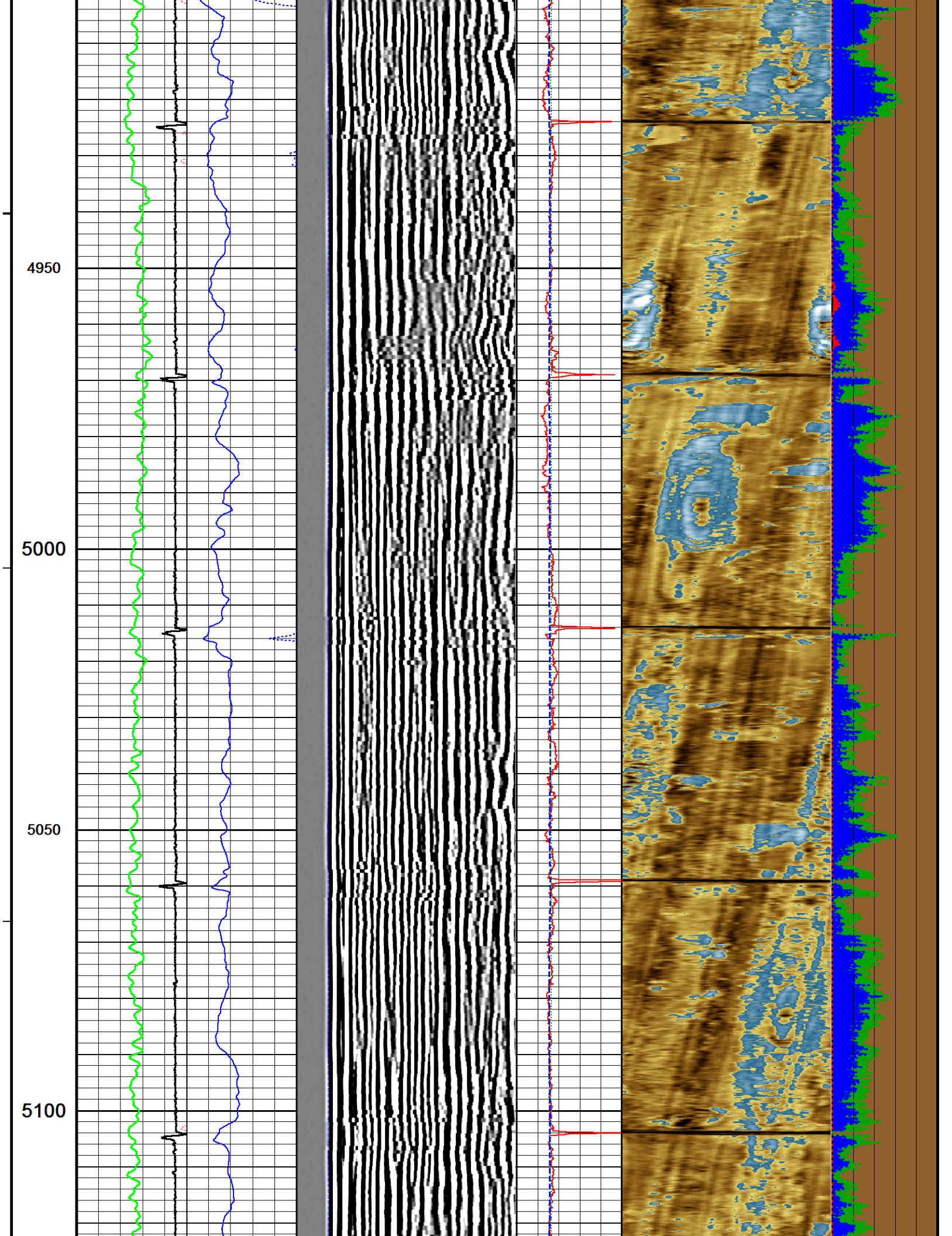


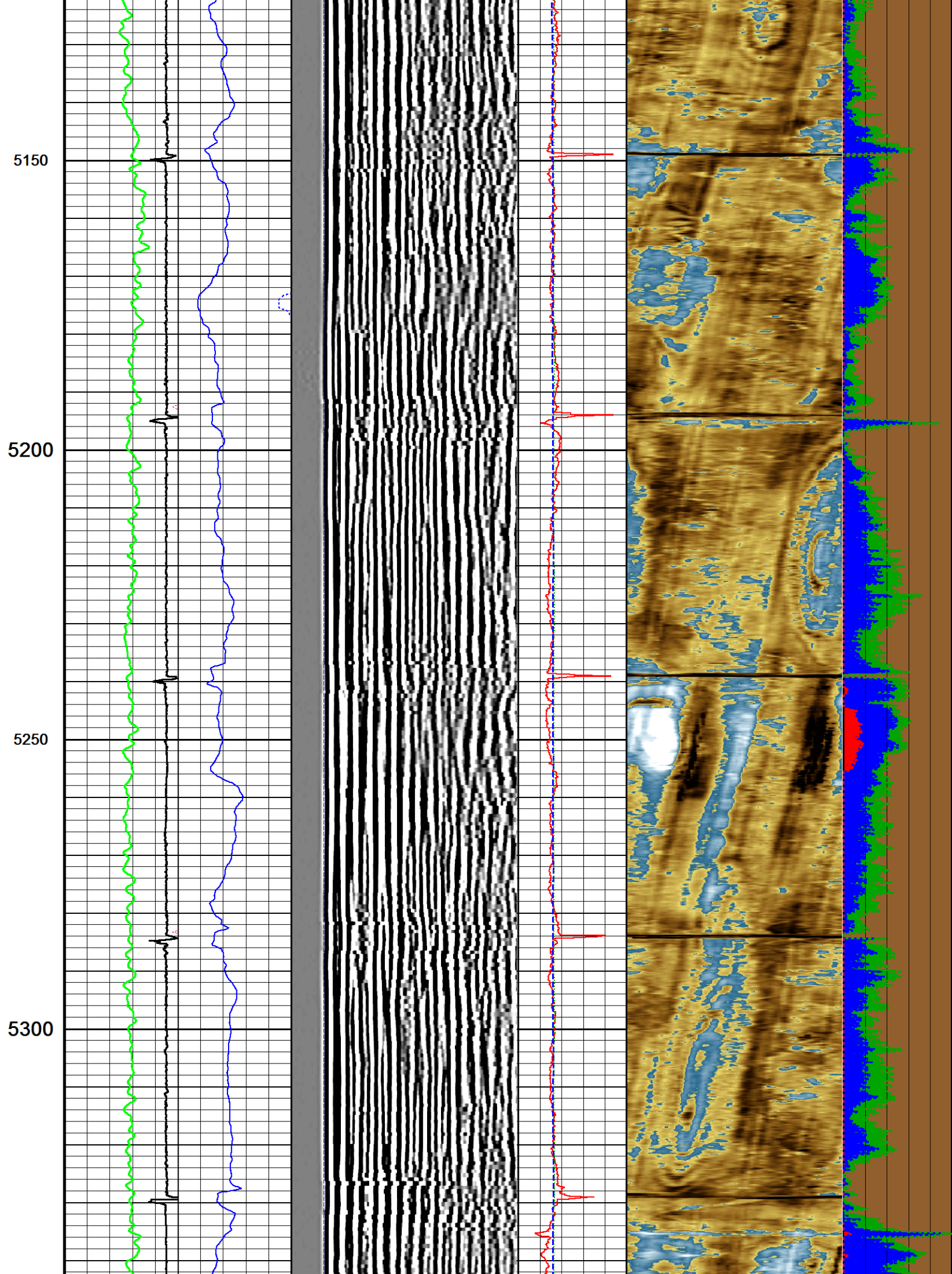


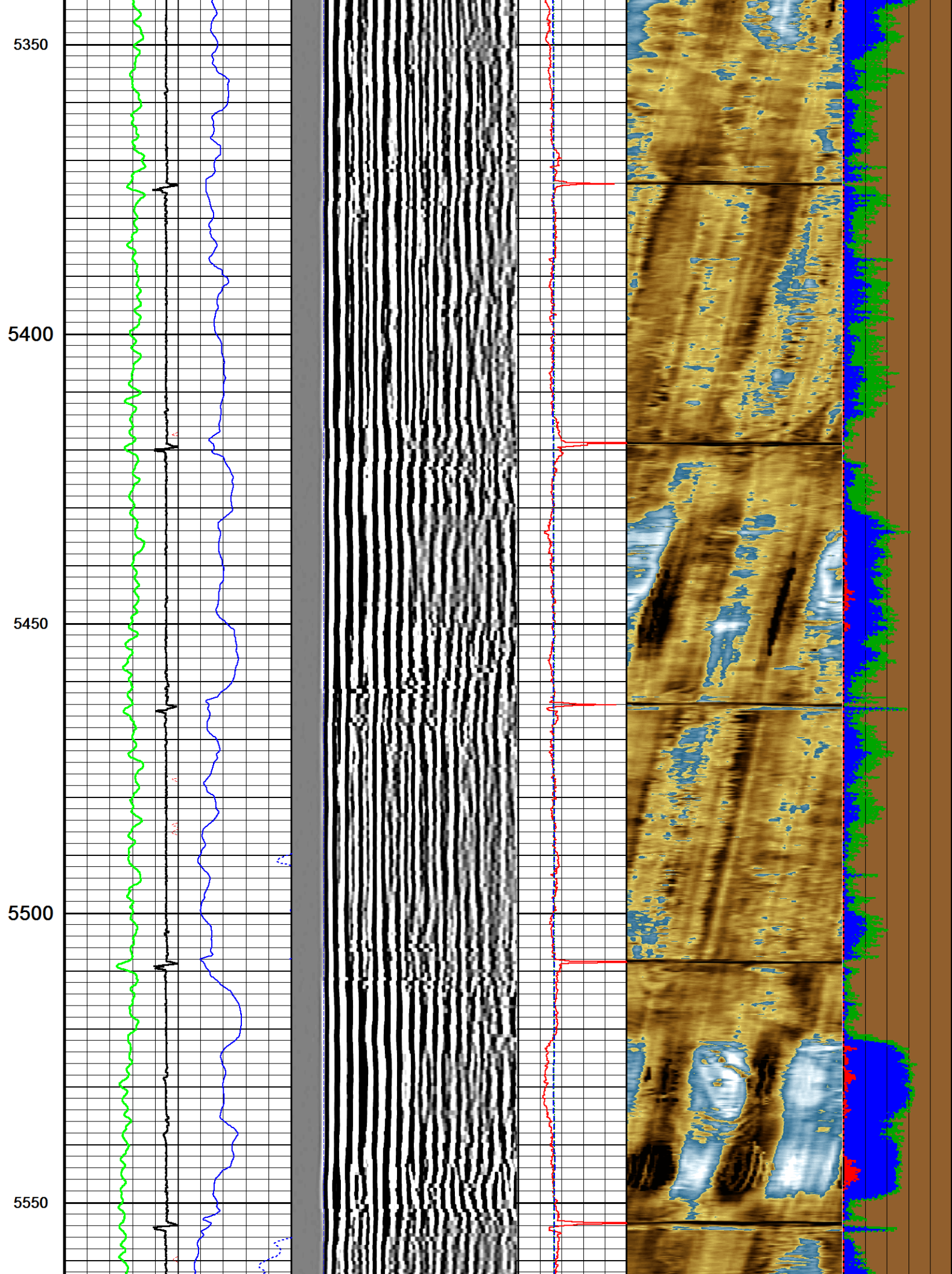


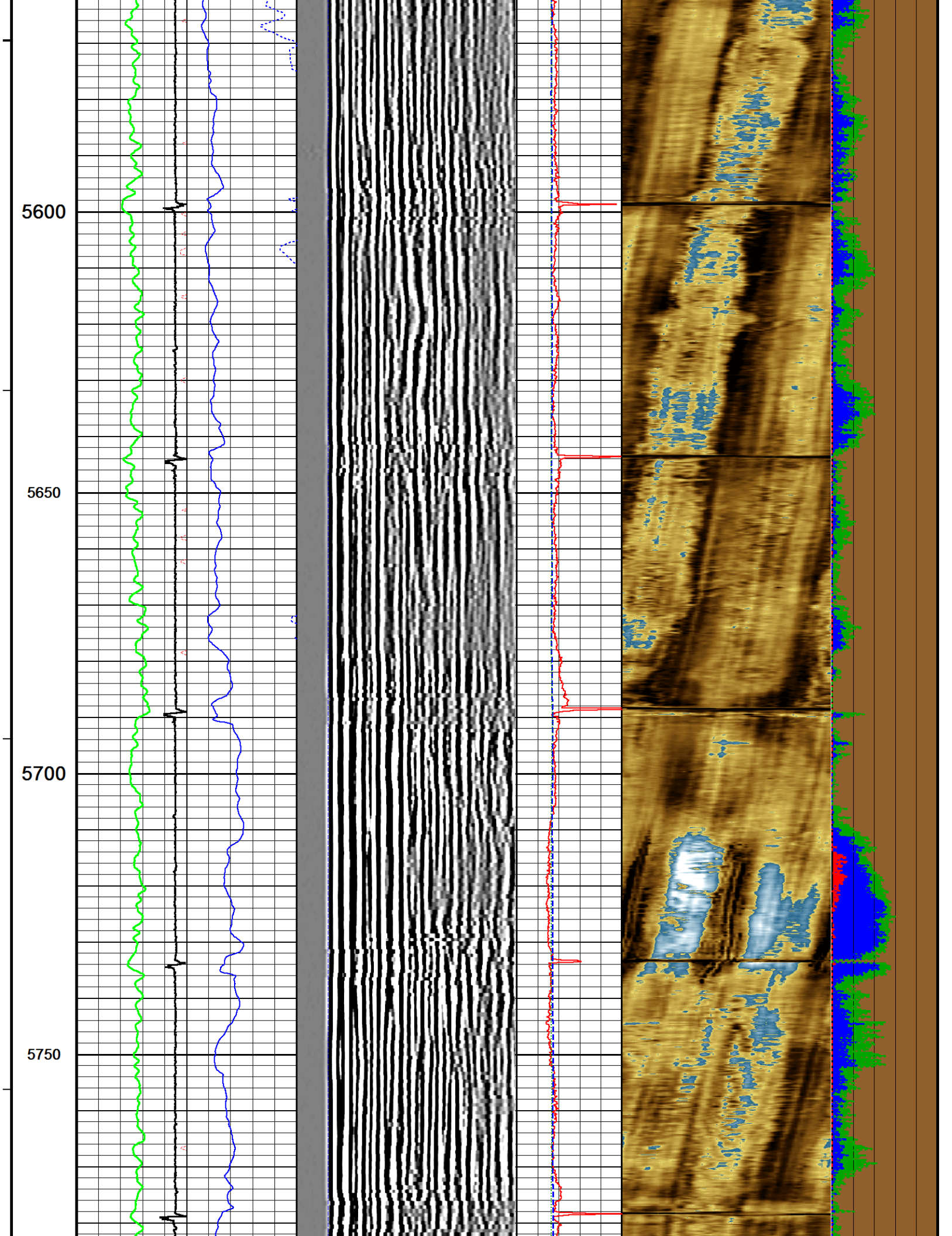


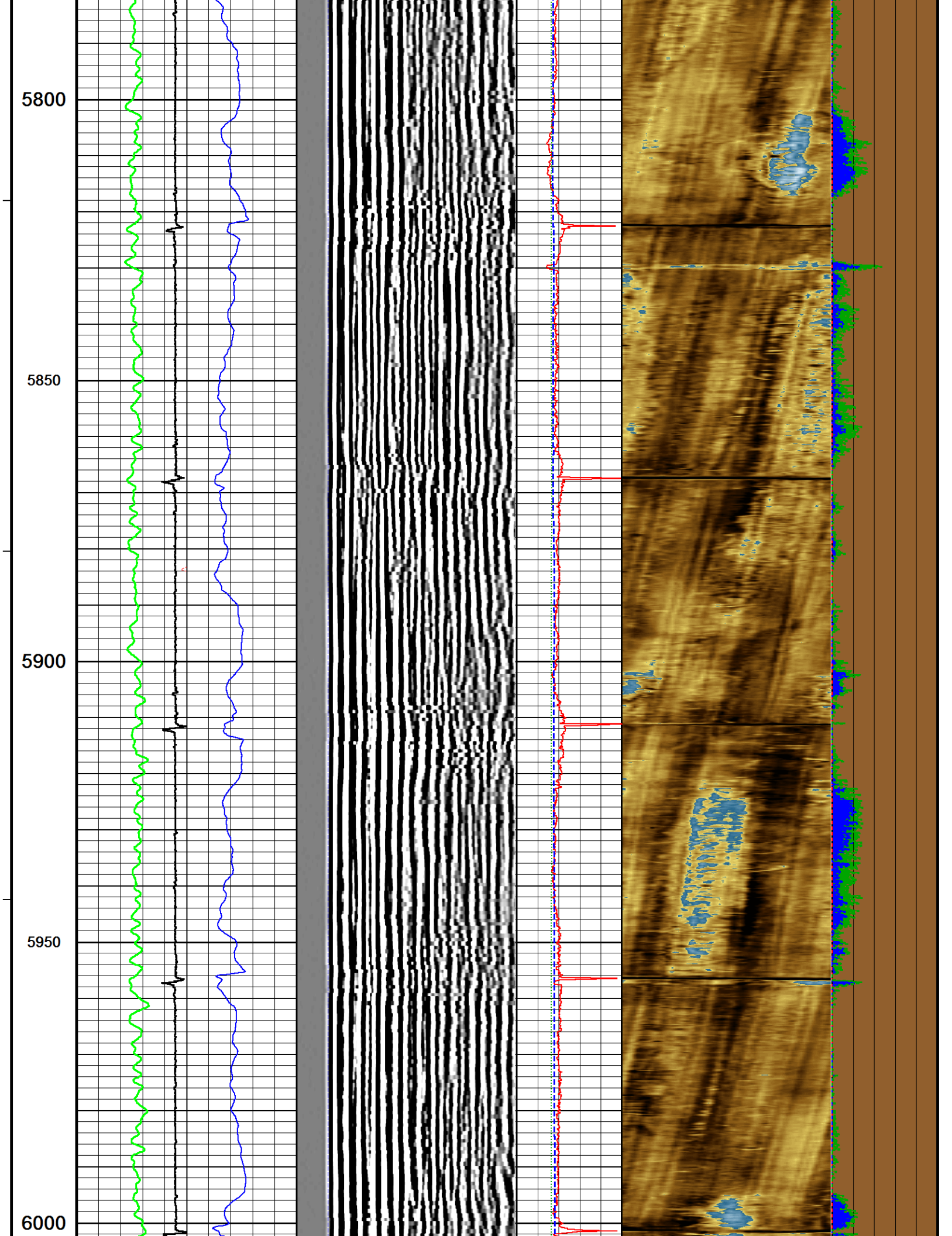


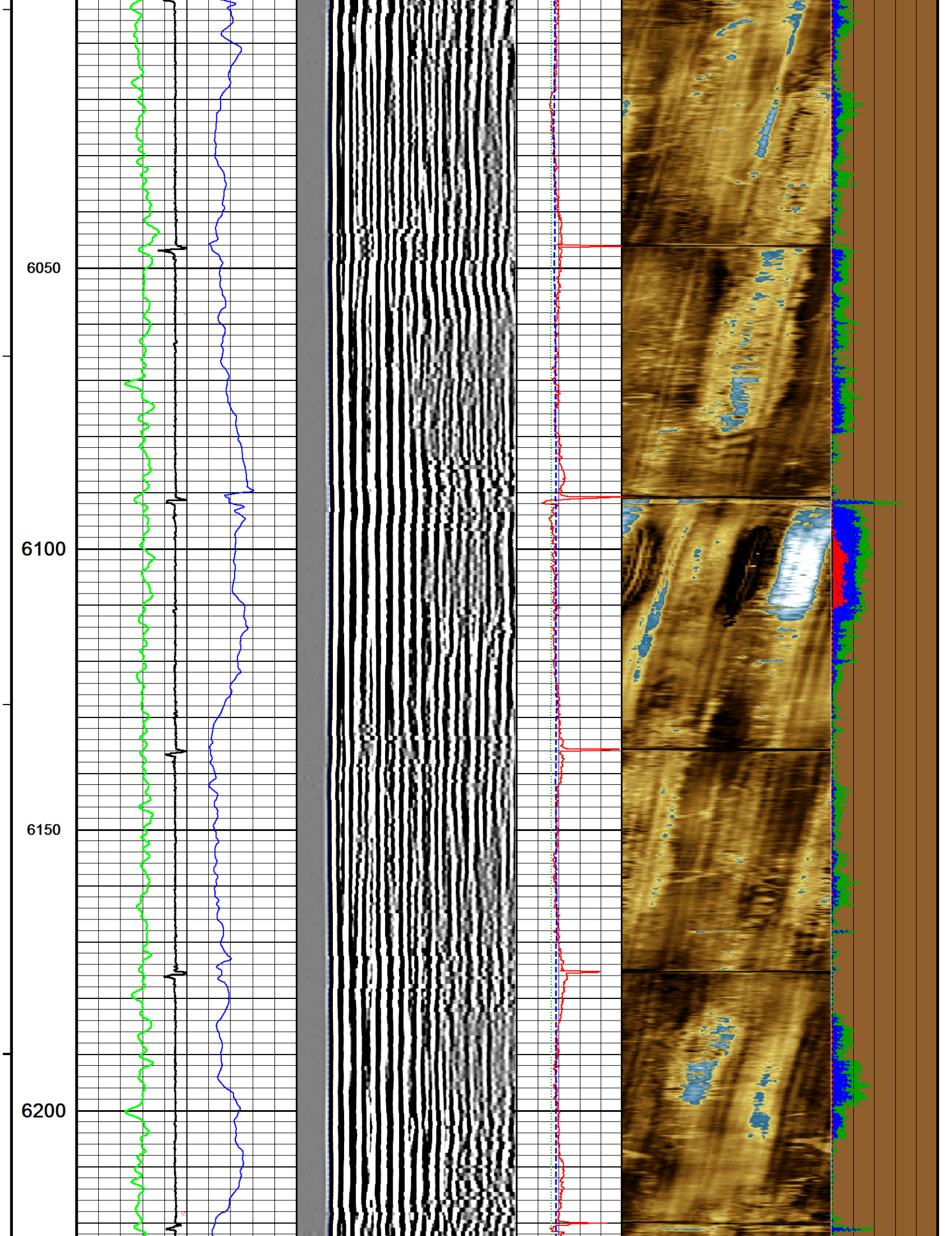


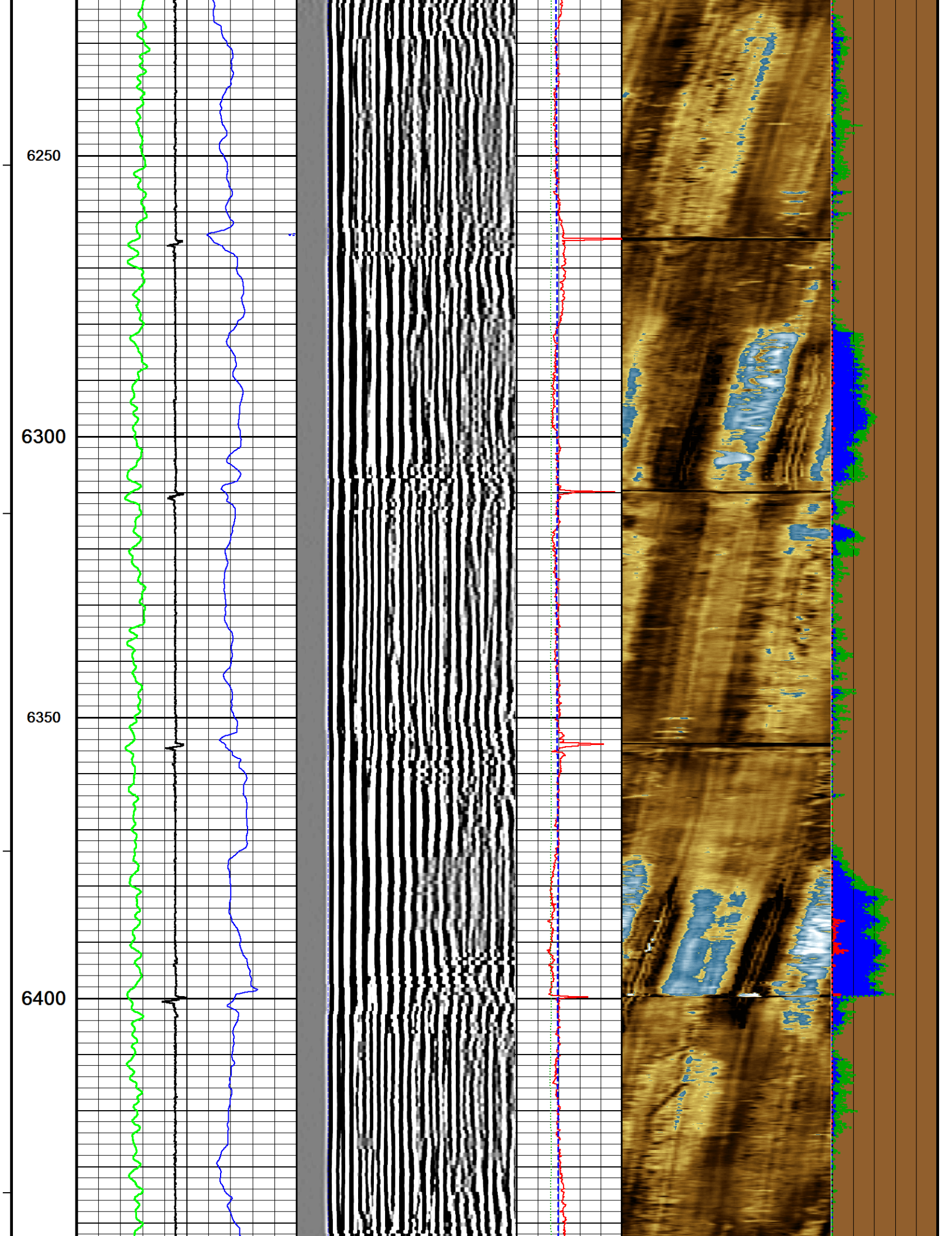


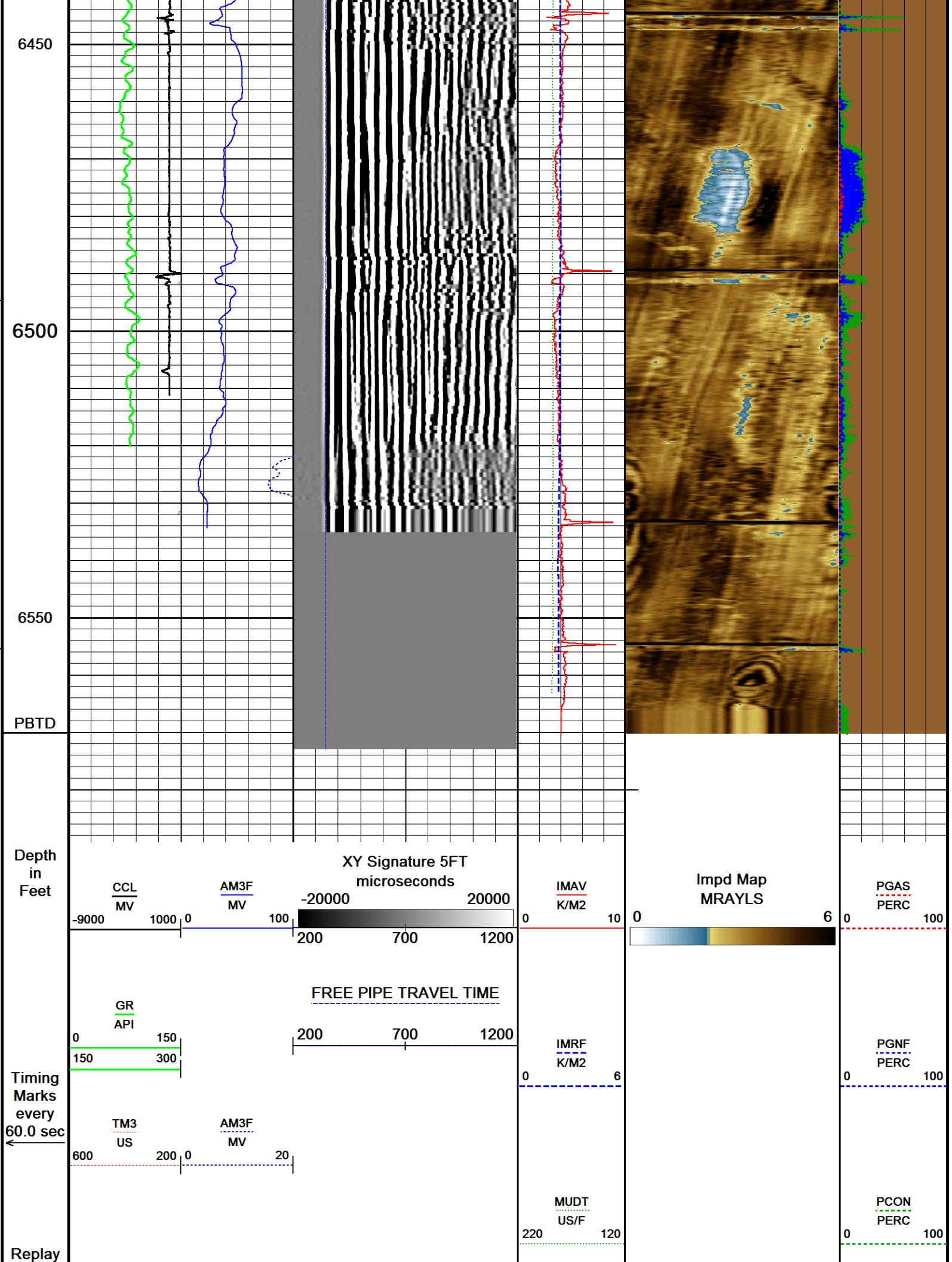












Scale
1:240

Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 23-FEB-2017 14:10

Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #5\MICKEY #5 MAIN PASS.dta

Recorded on 23-FEB-2017 11:13

System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841



MAIN PASS 1:240



REPEAT PASS 1:240



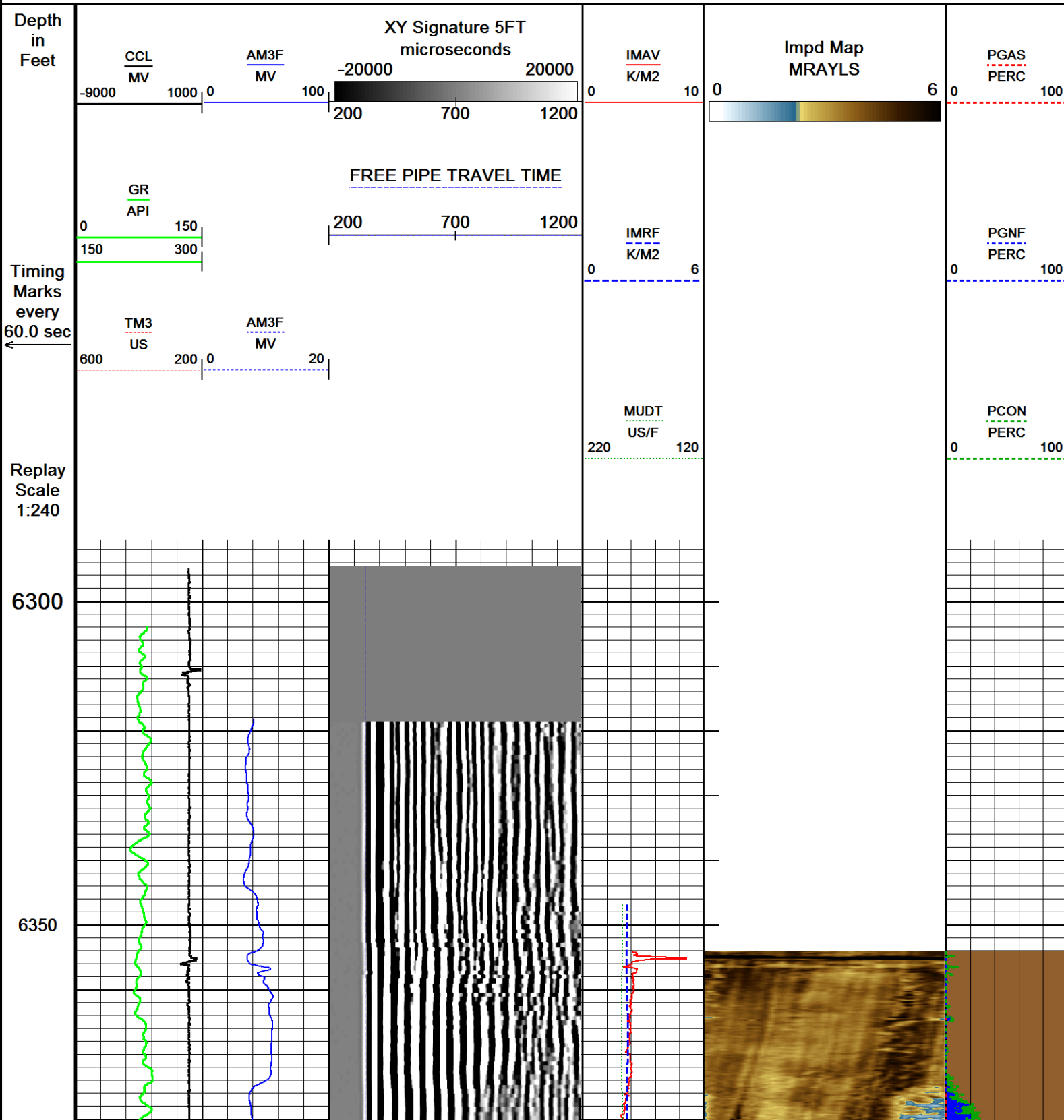
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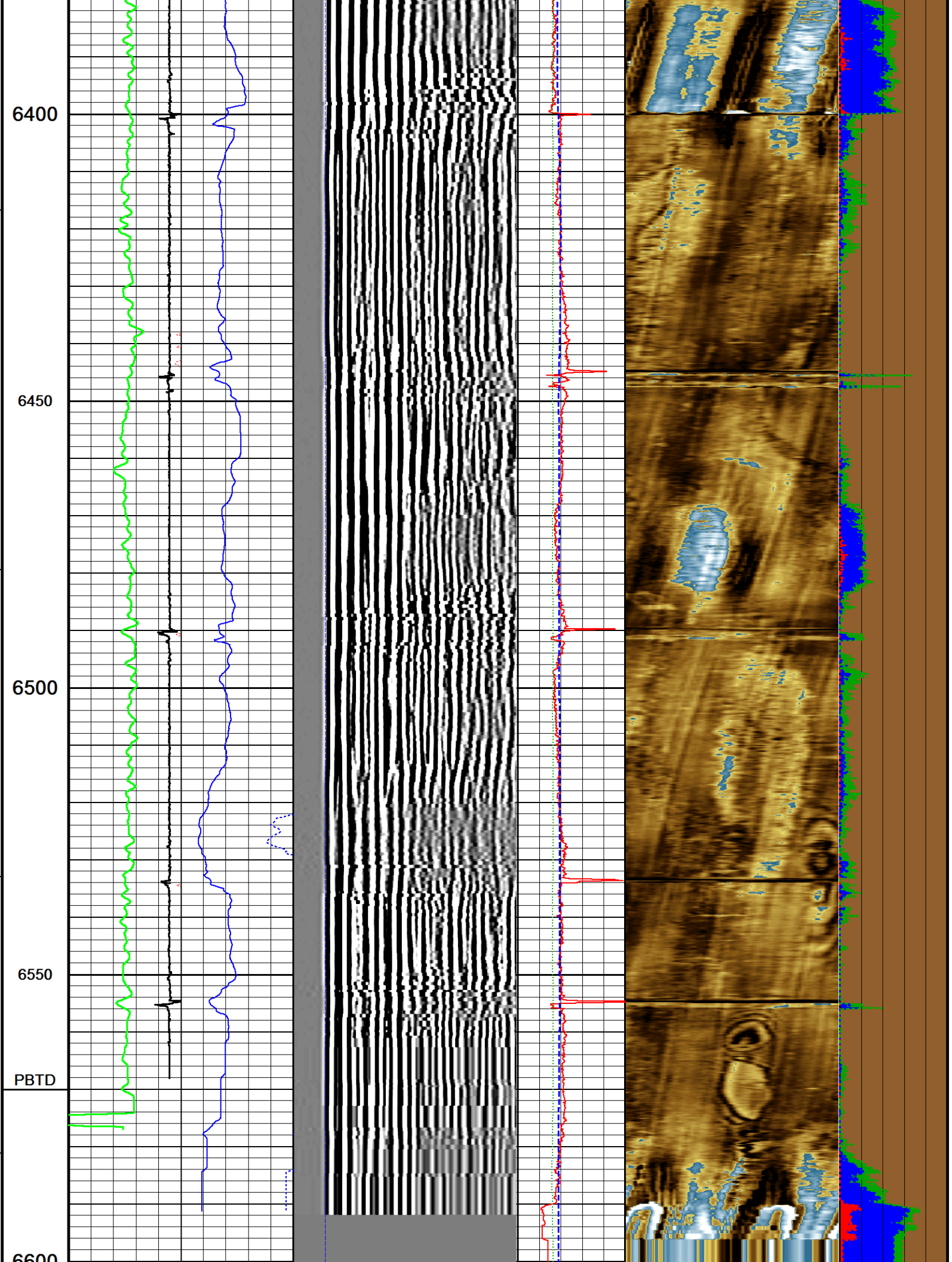
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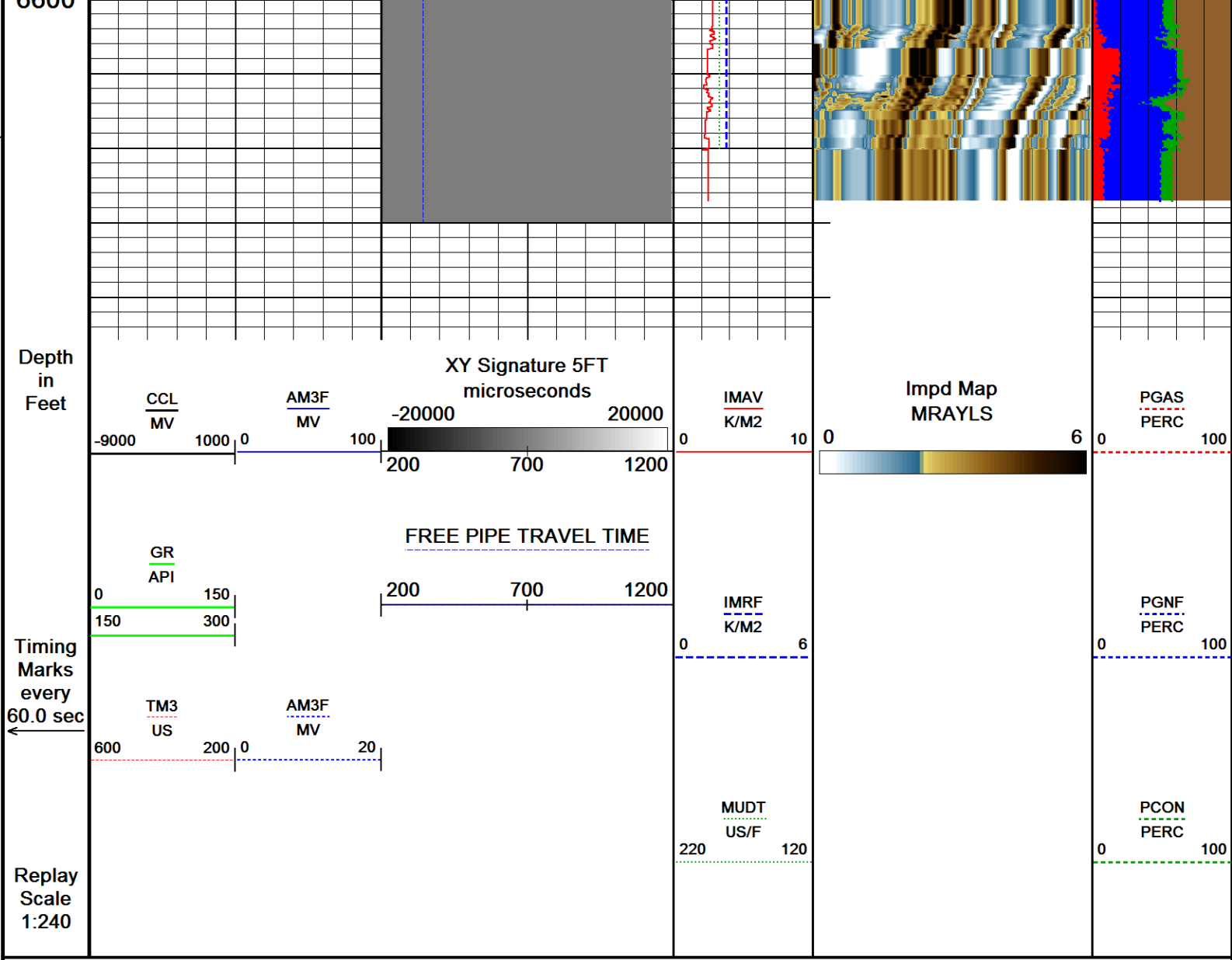
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Recorded on 23-FEB-2017 11:05

System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841







Depth Based Data - Maximum Sampling Increment 2.5cm
Filename: C:\Users\le197426\Desktop\EXTRACTION\MICKEY #5\MICKEY #5 REPEAT PASS.dta
System Versions: Logged with 16.05.4955 Processed with 16.05.3841 Plotted with 16.05.3841
Plotted on 23-FEB-2017 14:10
Recorded on 23-FEB-2017 11:05

↑ REPEAT PASS 1:240 ↑

SHOP AND FIELD CALIBRATIONS				
C:\Users\le197426\Desktop\EXTRACTION\MICKEY #5\MICKEY #5 MAIN PASS.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

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	1.75 K/M2
Z_mud Outside	1.75 K/M2
Gas Impedance Cutoff	0.38 K/M2
Fluid Impedance Cutoff	2.30 K/M2
Contam Impedance Cutoff	2.70 K/M2
Relative Bearing Rotate	OFF
RB Offset Angle	0.00 DEG
Cement Density	14.00 LB/G

DOWNHOLE EQUIPMENT

C:\Users\le197426\Desktop\EXTRACTION\MICKEY #5\MICKEY #5 MAIN PASS.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 121 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

Swivel Head 55 pin

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

Casing Collar Locator, 55 pin

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

- 59.48 ft CCL - Collar Locator

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 223 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

- 51.39 ft GR - Gamma Ray

Flexible Joint, URS, 55 Pin
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



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 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

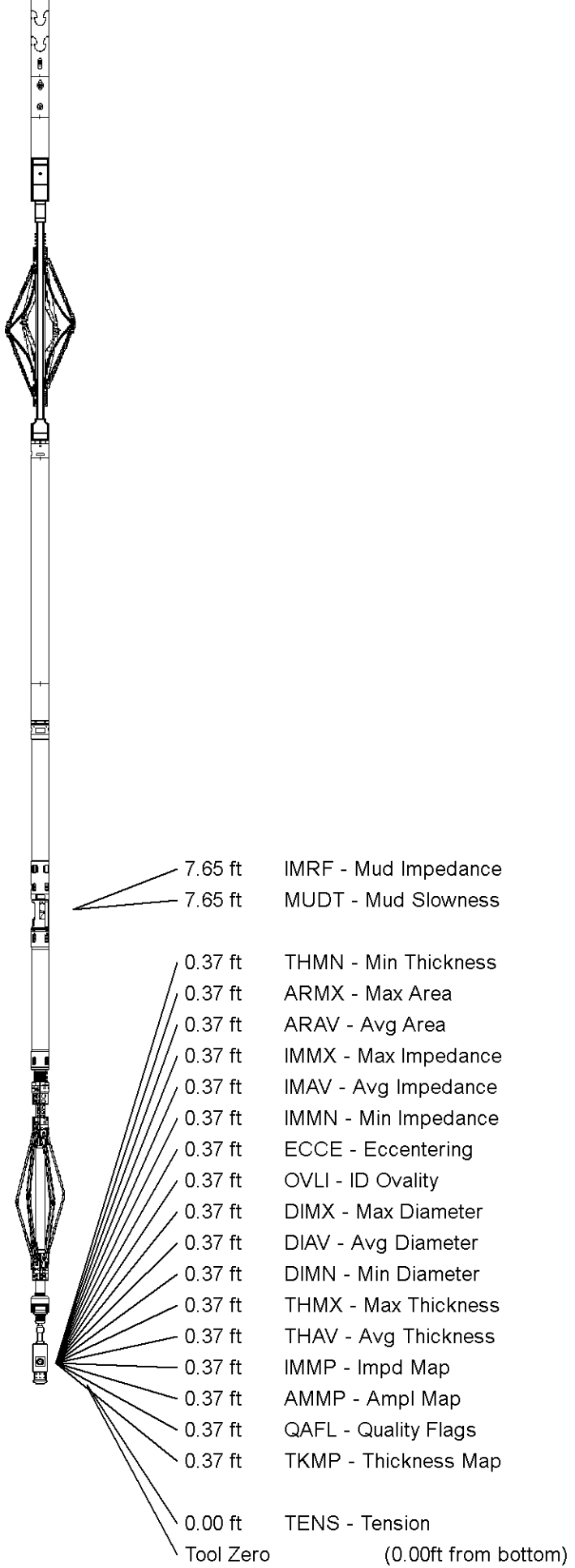
55 pin Roller Centralizer
CEN-XA 197 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

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.

WELL	MICKEY #5		
FIELD	WATTENBERG		
PROVINCE/COUNTY	WELD		
COUNTRY/STATE	UNITED STATES / COLORADO		
Elevation Kelly Bushing	feet	Bottom Log Interval	6570.00 feet
Elevation Drill Floor	feet	Depth Driller	feet
Elevation Ground Level	feet	Depth Logger	6570.00 feet
<div><div>SECUREVIEW ULTRAVIEW / BONDVIEW CEMENT ANALYSIS</div></div>			