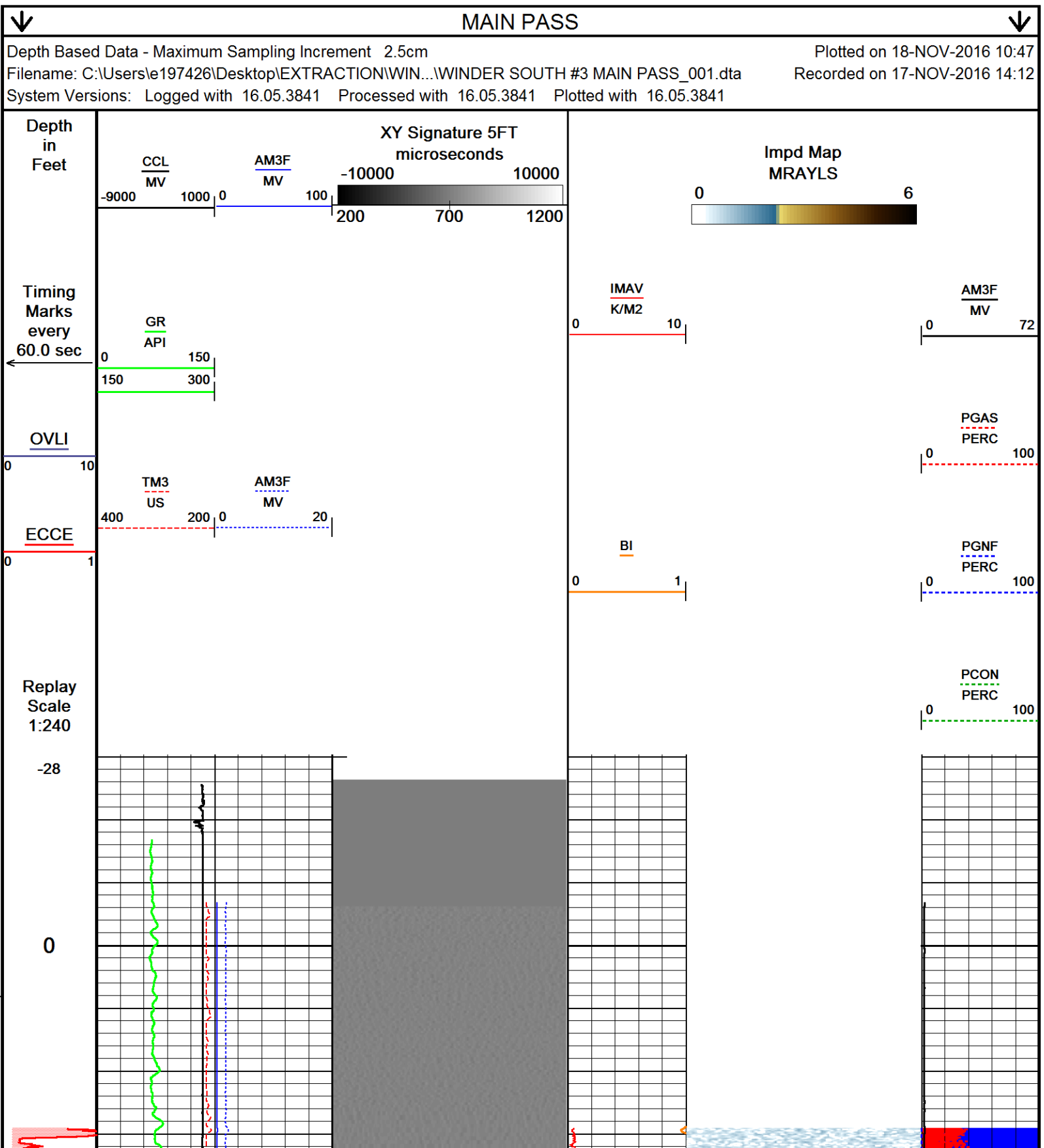
 Weatherford®				SECUREVIEW ULTRAVIEW / BONDVIEW CEMENT ANALYSIS			
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				EXTRACTION OIL & GAS WINDER SOUTH #3 WATTENBERG WELD USA / COLORADO SE NE 9-6N-67W			
SEC 9	TWP 6N	RGE 67W	Other Services	<div>Elevations: KB 0.00 DF 0.00 GL 0.00</div>			
Latitude							
Longitude							
API Number							
Permanent Datum GROUND, Elevation							
Log Measured From KB							
Drilling Measured From KB							
Date	15-NOV-2016	PERFORATION RECORD					
Run Number	ONE	Shot	Number	Depth From	Depth To		
Service Order	7145-166431996	Density	of Shots	feet	feet		
Type Log	URS / CBT						
Depth Driller							
Depth Logger	6673.00						
Top Log Interval	0.00						
Bottom Log Interval	6673.00						
Hole Fluid Type	WATER						
Hole Fluid Level	96.00						
Restriction ID	4.778						
Max Recorded Temp	198.00						
Well Head Pressure	0.00						
Well Head Equipment	NONE						
Time Well Ready	ON ARRIVAL						
Time Logger Bottom	16:00						
Unit	14338						
Equipment Name	WSS-E						
Base	CASPER						
Recorded By	K.HUSETH						
Witnessed By	NOT WITNESSED						

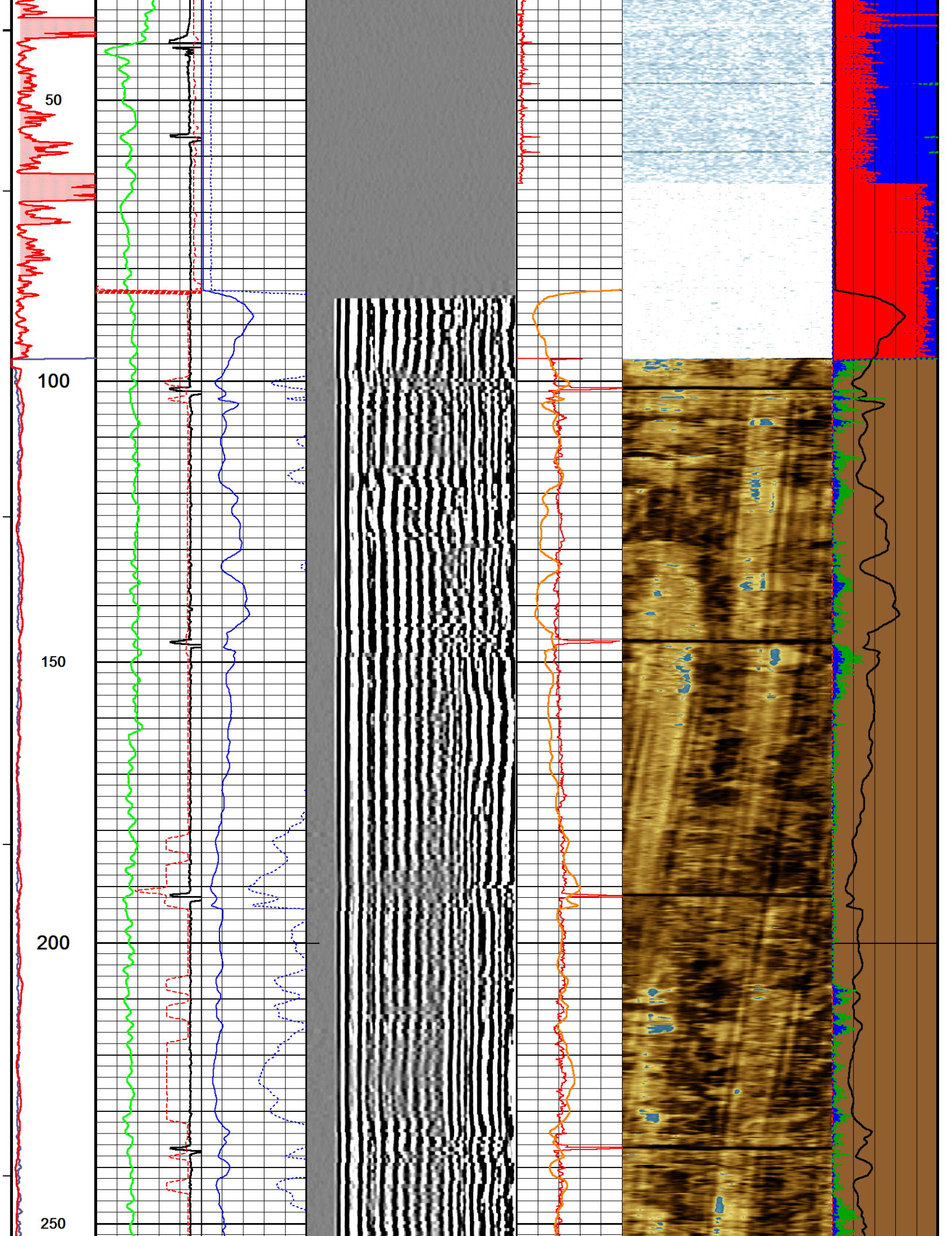
Casing / Tubing Record						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE			9.625	0.00	1556.00	36.00
PRODUCTION	P-110		5.500	0.00	16963.00	20.00

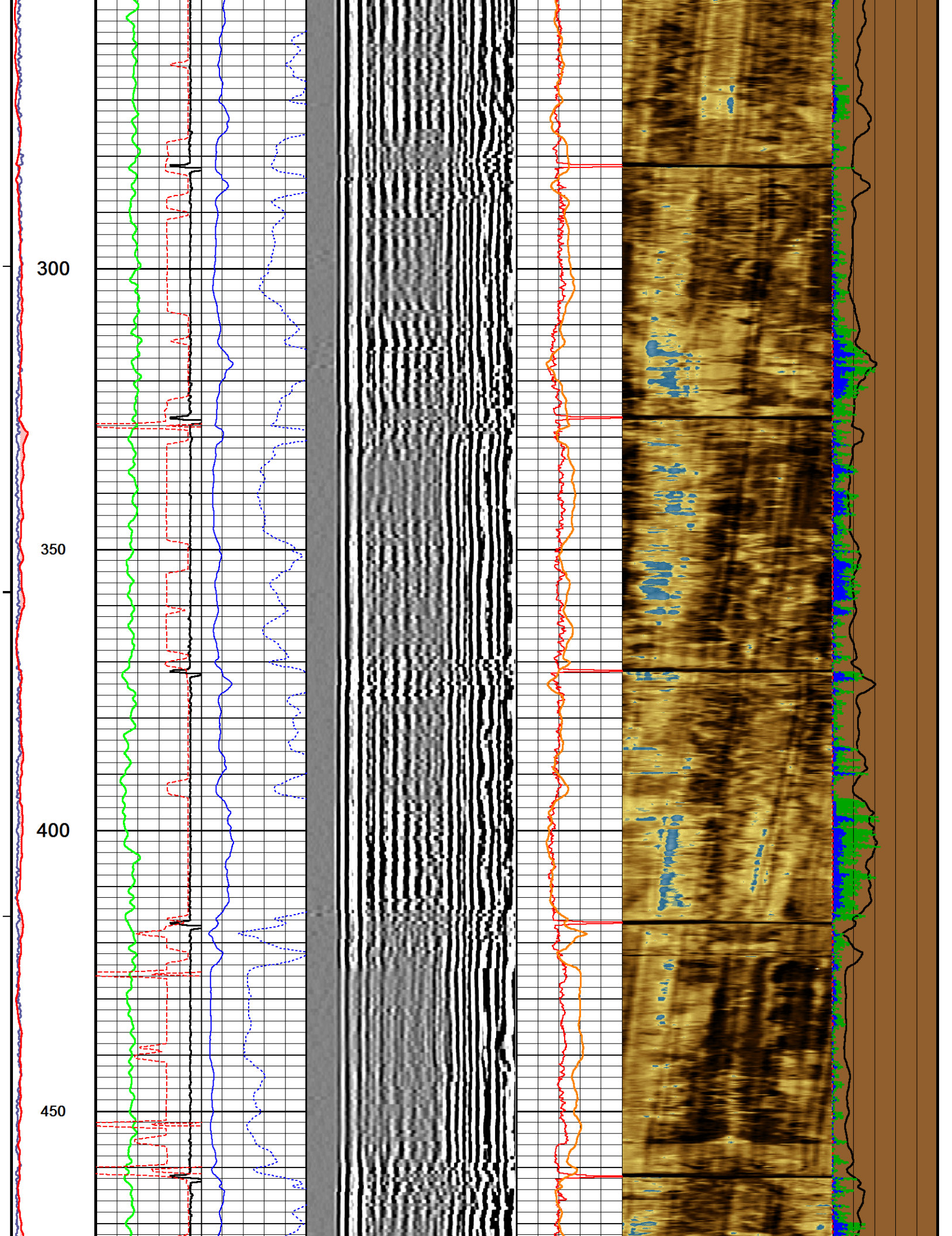
REMARKS
ULTRASONIC RADIAL SCANNER LOG CORRELATED TO RIG KB @ 25 FT ABOVE GROUND LEVEL CEMENTING DATA: LEAD: ELASTICEM 150 SACKS, 13.2LB/GAL, 1.57FT^3/SACK TAIL: ELASTICEM W/ SUPER CBL, 2100 SACKS, 13.2LB/GAL, 1.57FT^3/SACK BELOW SURFACE CASING THE TOOL HAD MANY AREAS WHERE IT EXPERIENCED DECENTRALIZATION DUE TO DEVIATION AND DOG LEGS IN THE CASING. IT SHOULD BE NOTED THAT THIS DECENTRALIZATION OF THE TOOL GREATLY AFFECTS THE READINGS RECORDED OVER THESE INTERVALS ECCENTRICITY IS IN TRACK 1 AND REFLECTED BY FOUR STRIPES ALTERNATING LIGHT AND DARK IN THE AMPLITUDE AND IMPDEANCE MAPS. AT THESE POINTS THE READS ARE INVALID. ALSO THE CASING SHOWED SIGNS OF BEING IN DIRCT CONTACT WITH THE FORMATION WHICH LEADS TO SPIKING IN THE THICKNESS CURVES THE DEPTH OF LOGGING WAS STARTED AT THE POINT AT WHICH THE TOOL WAS DEVIATED ENOUGH THAT IT CAUSED THE HEAD ON THE ULTRASONIC TOOL TO STOP ROTATING

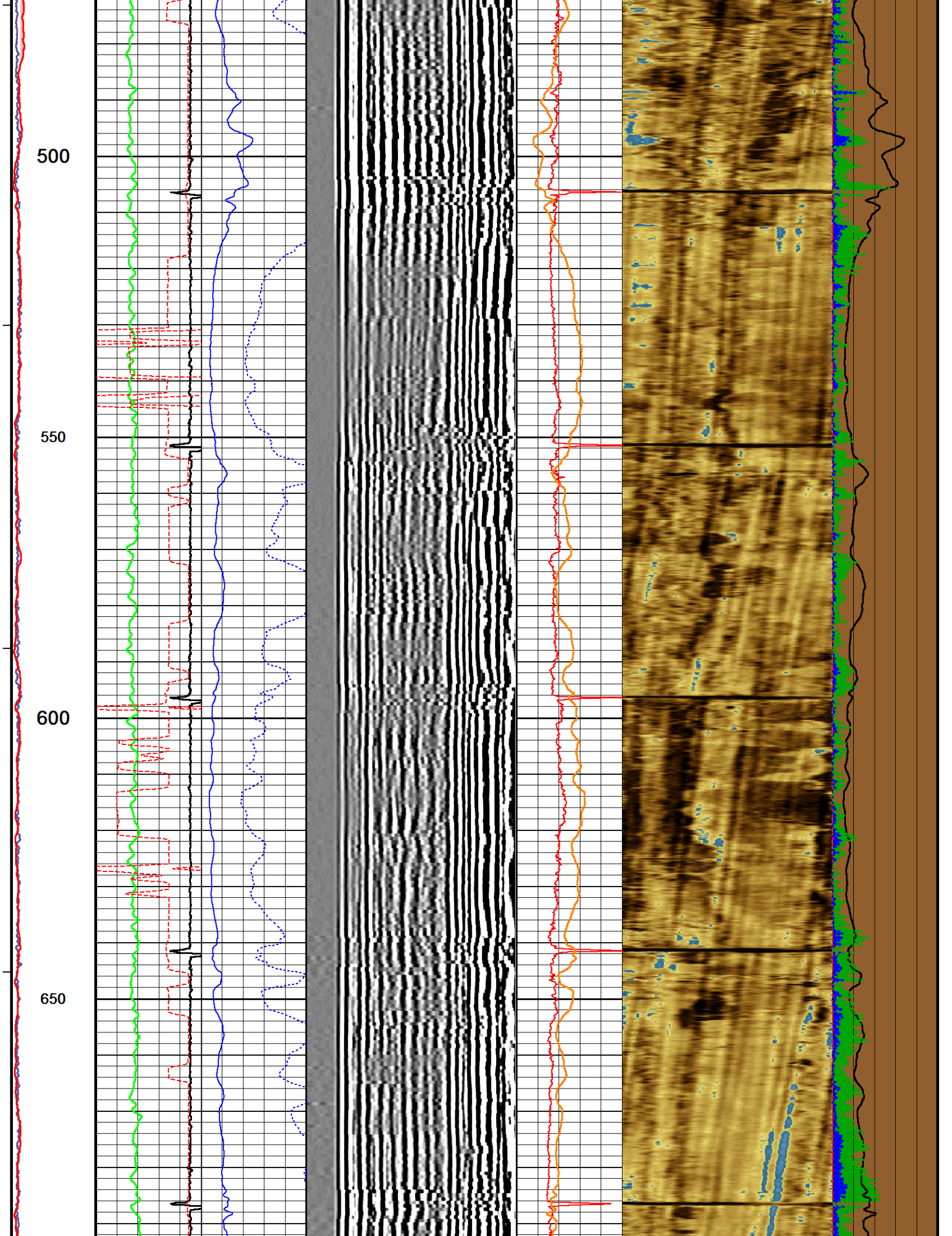
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good

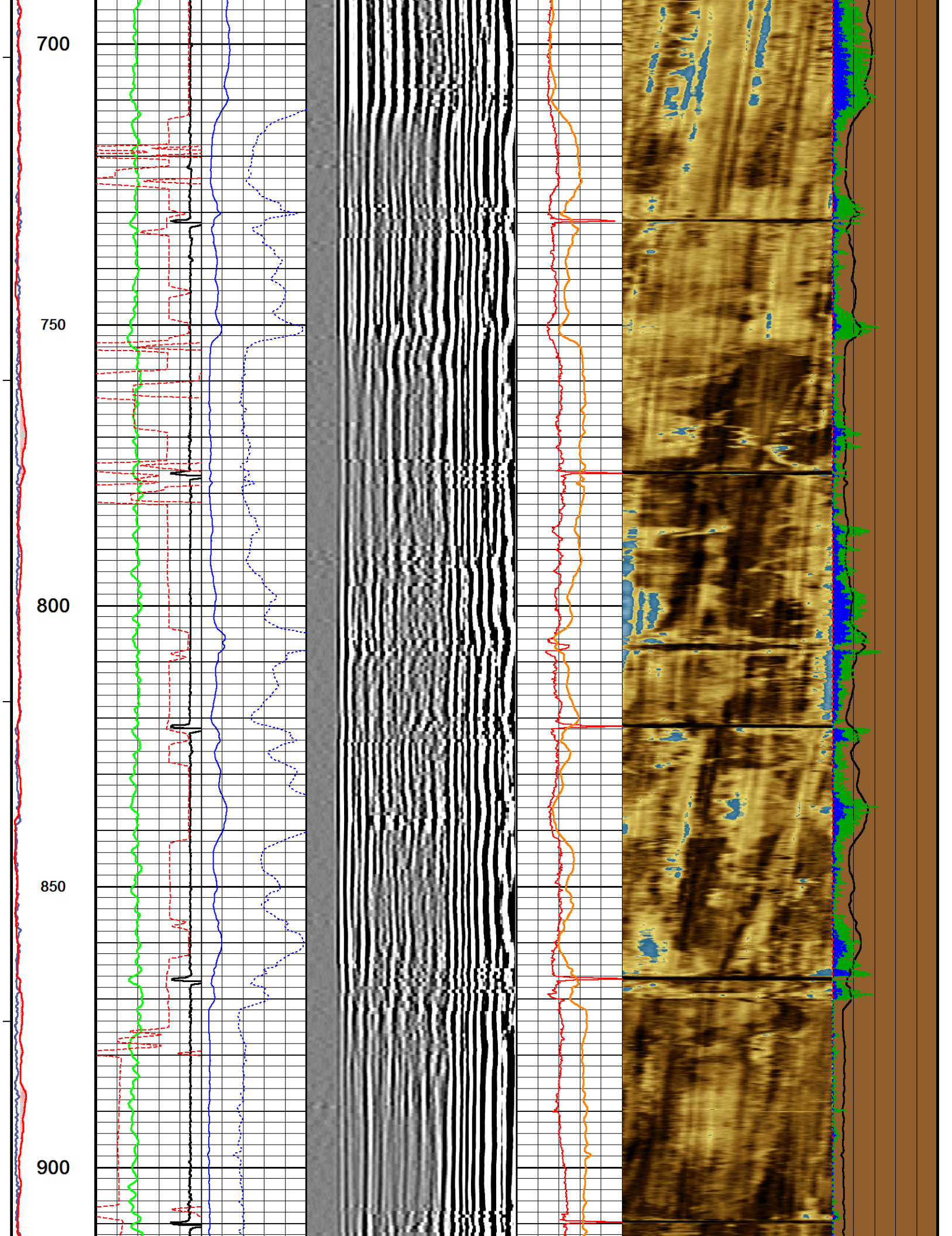
Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions 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.

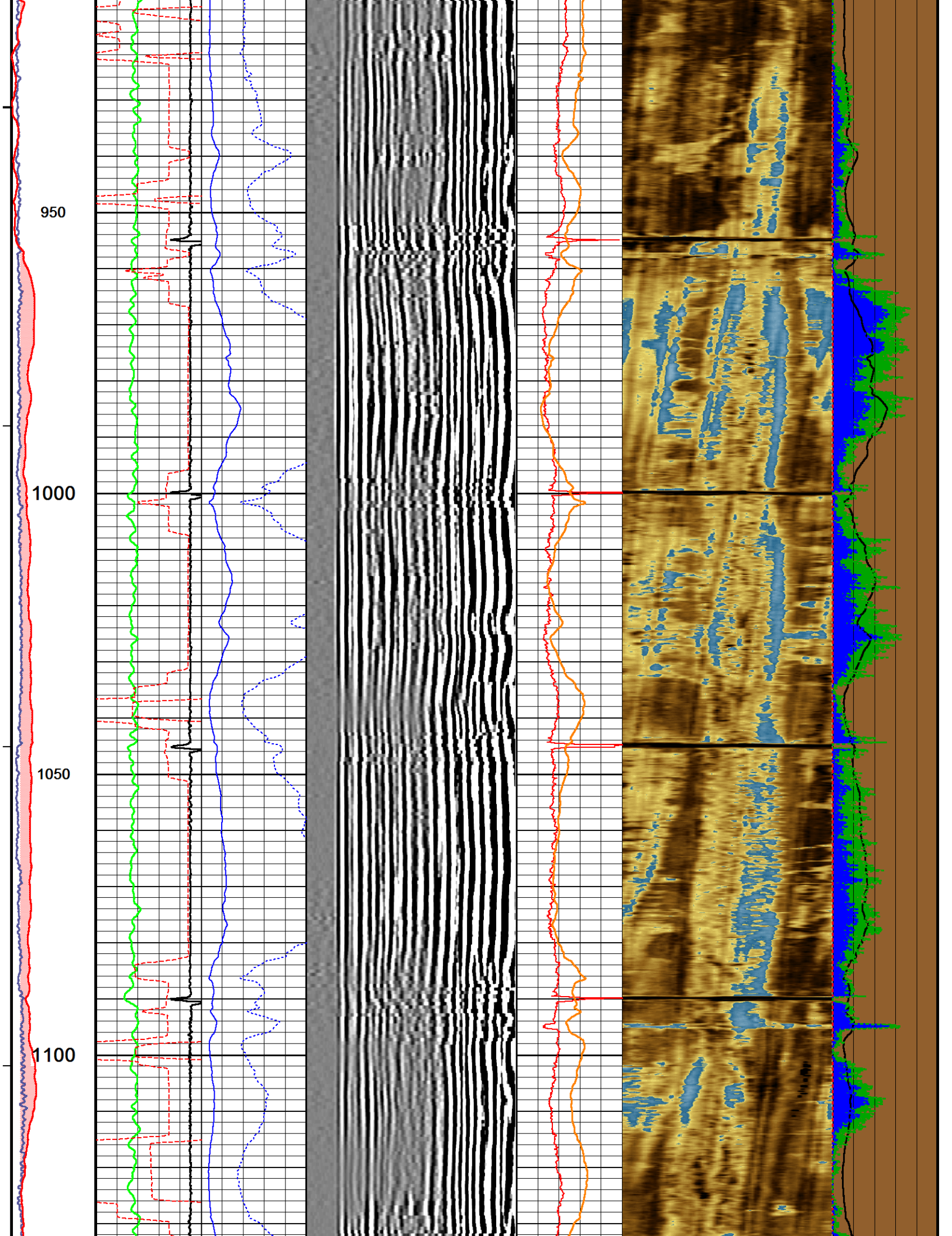


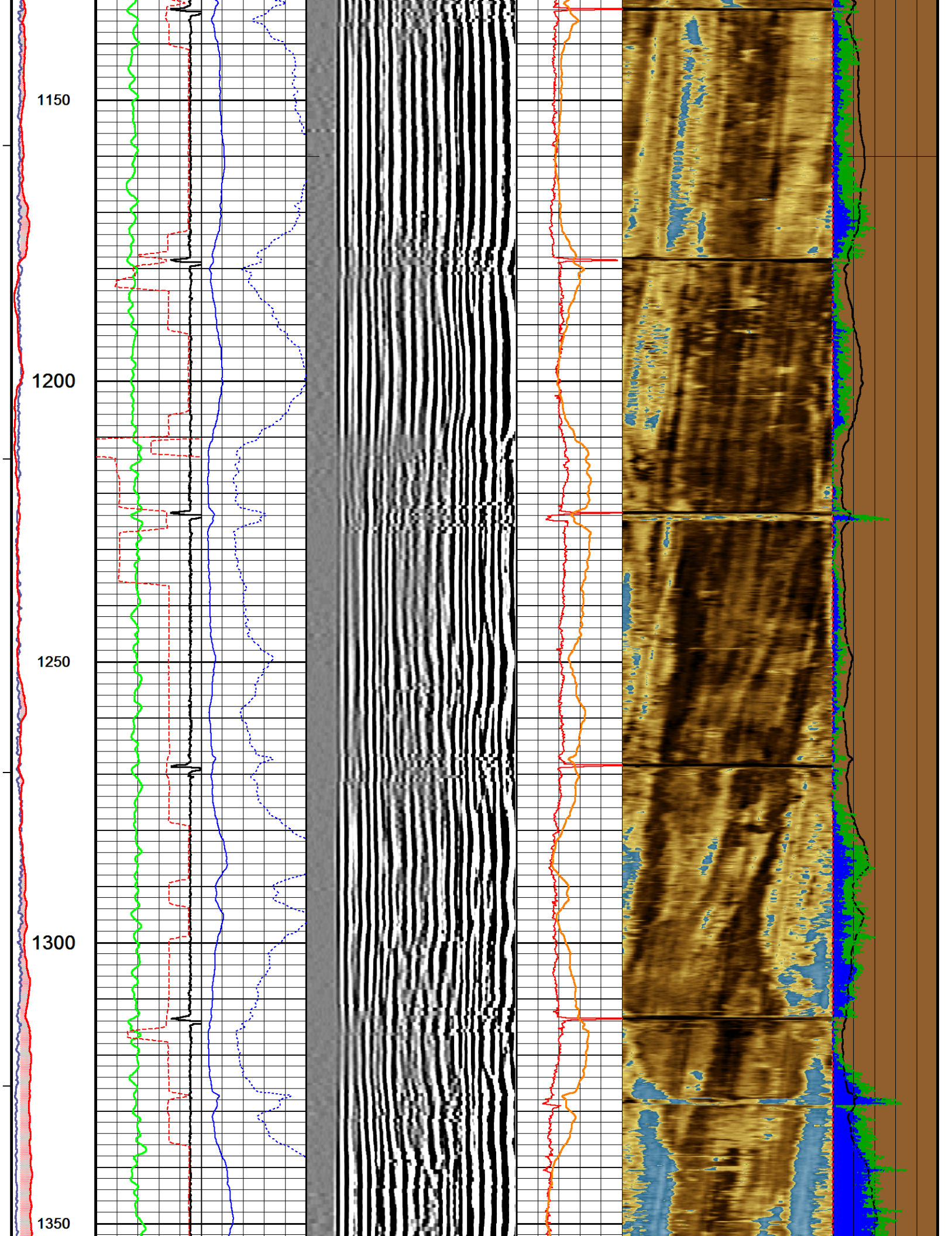


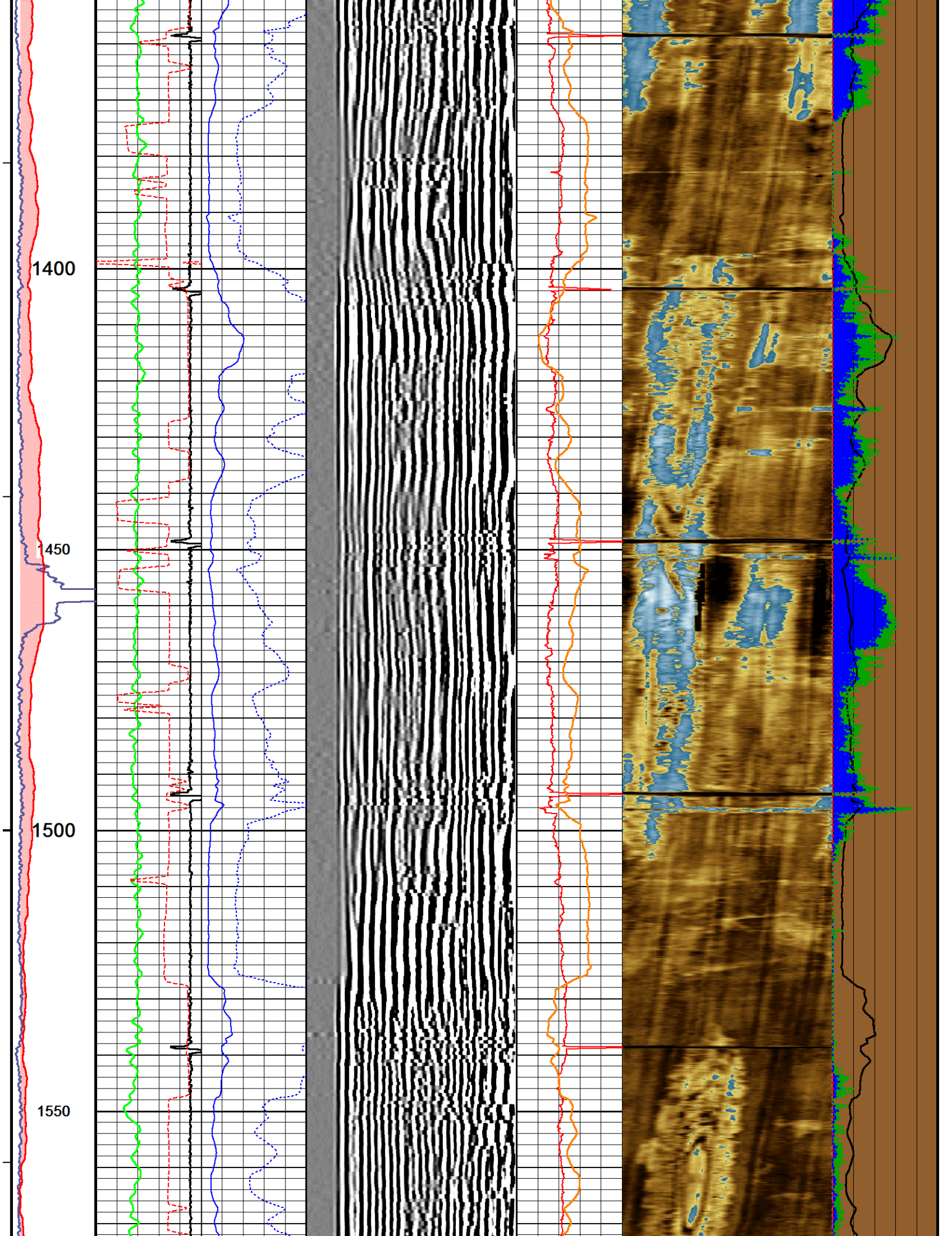


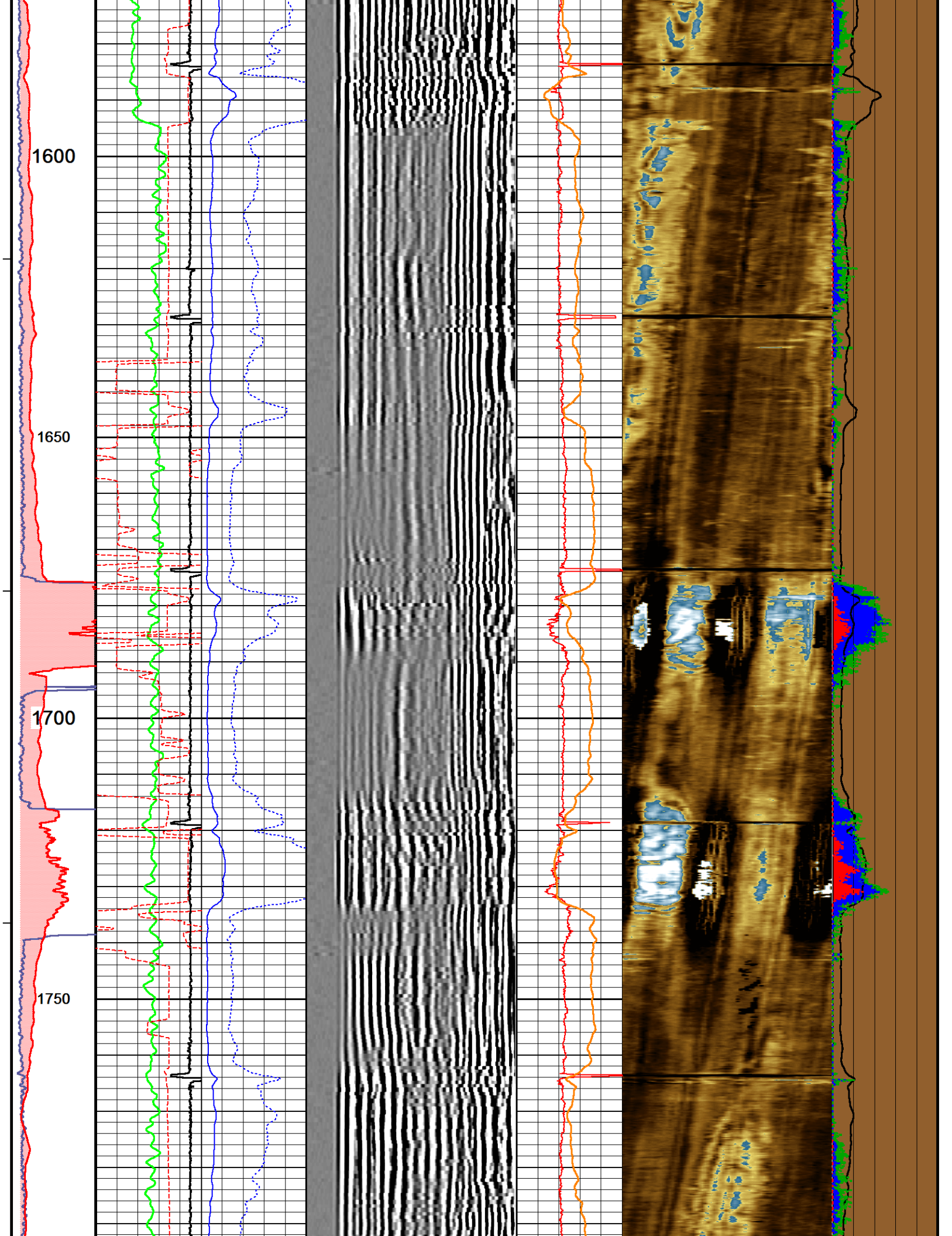


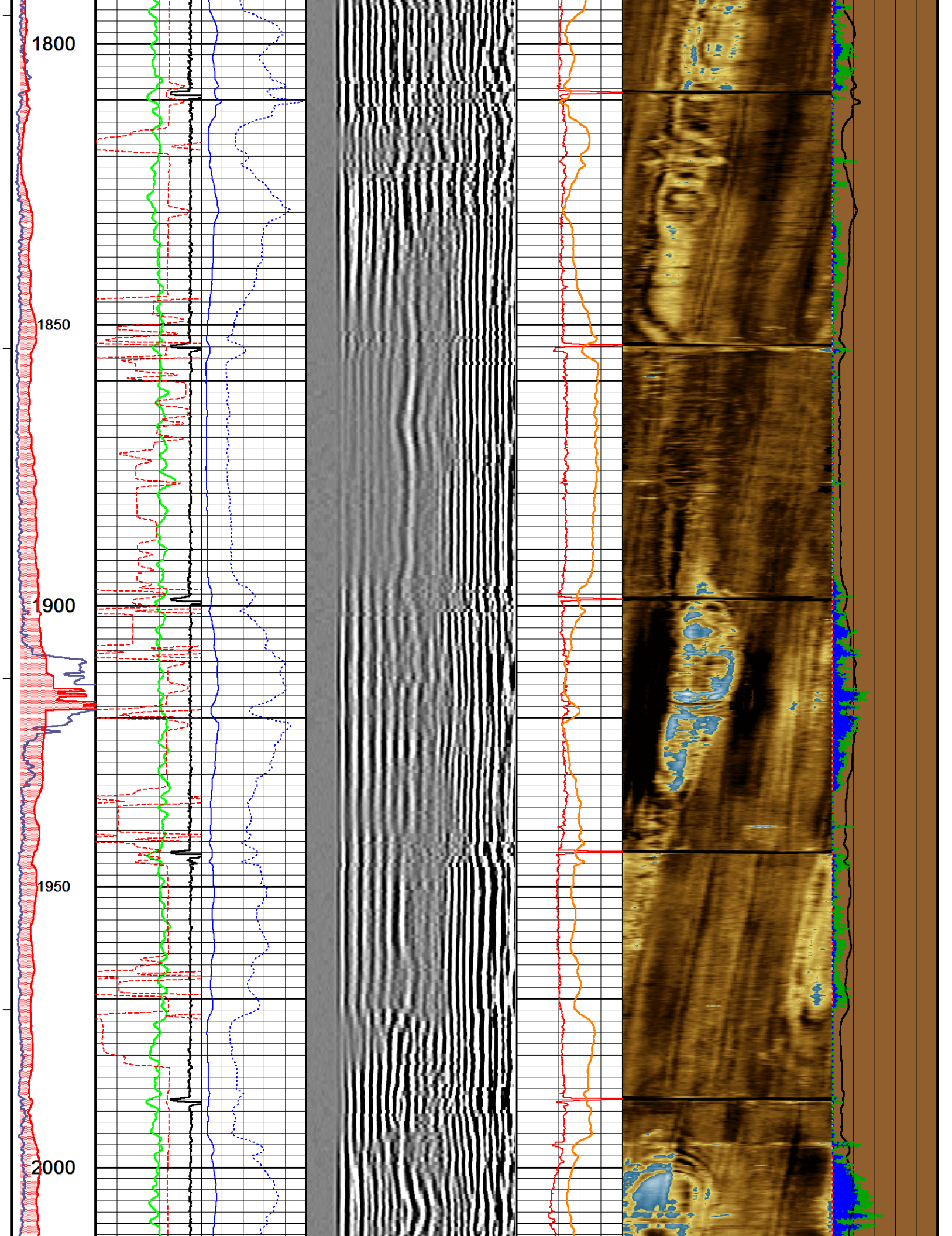


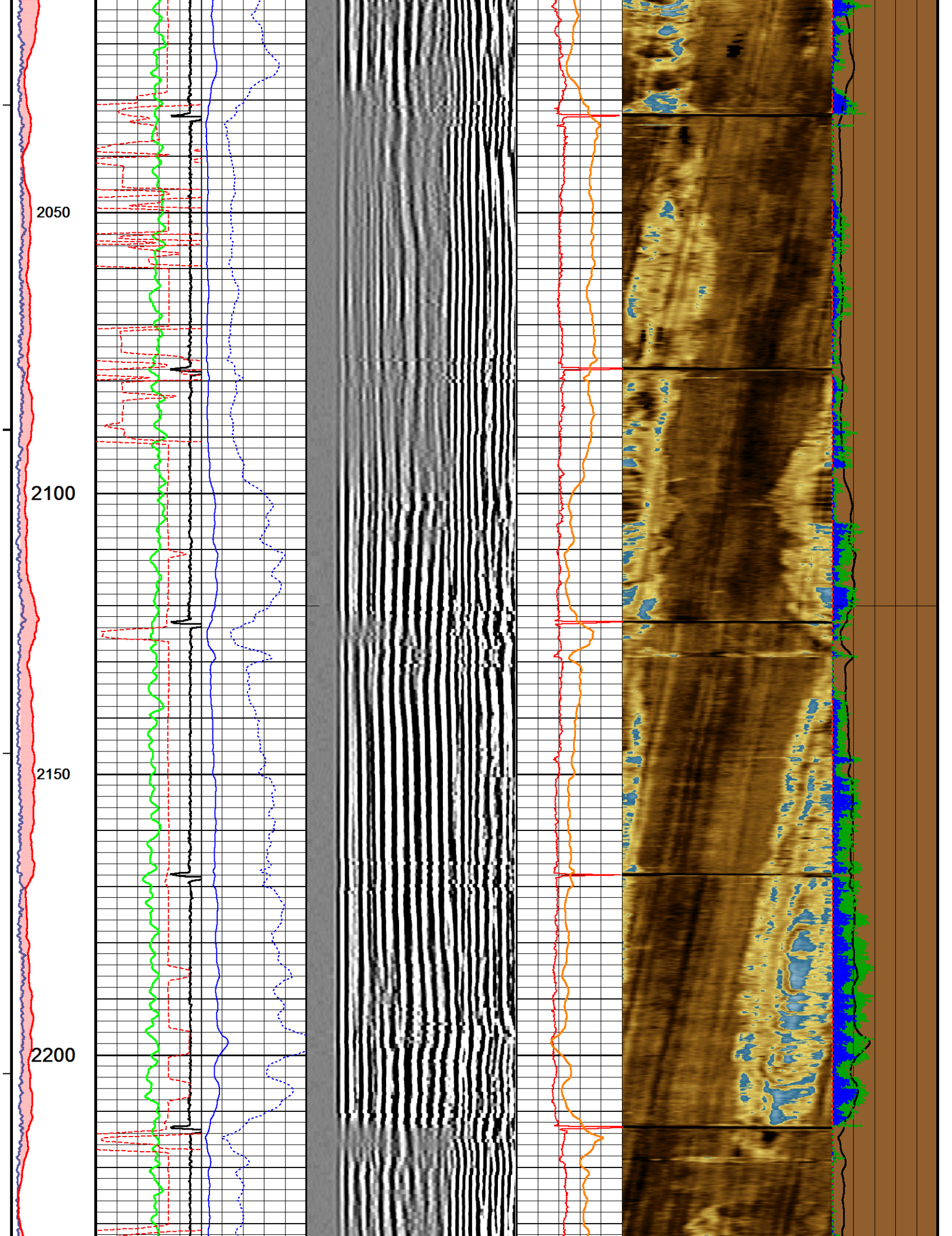


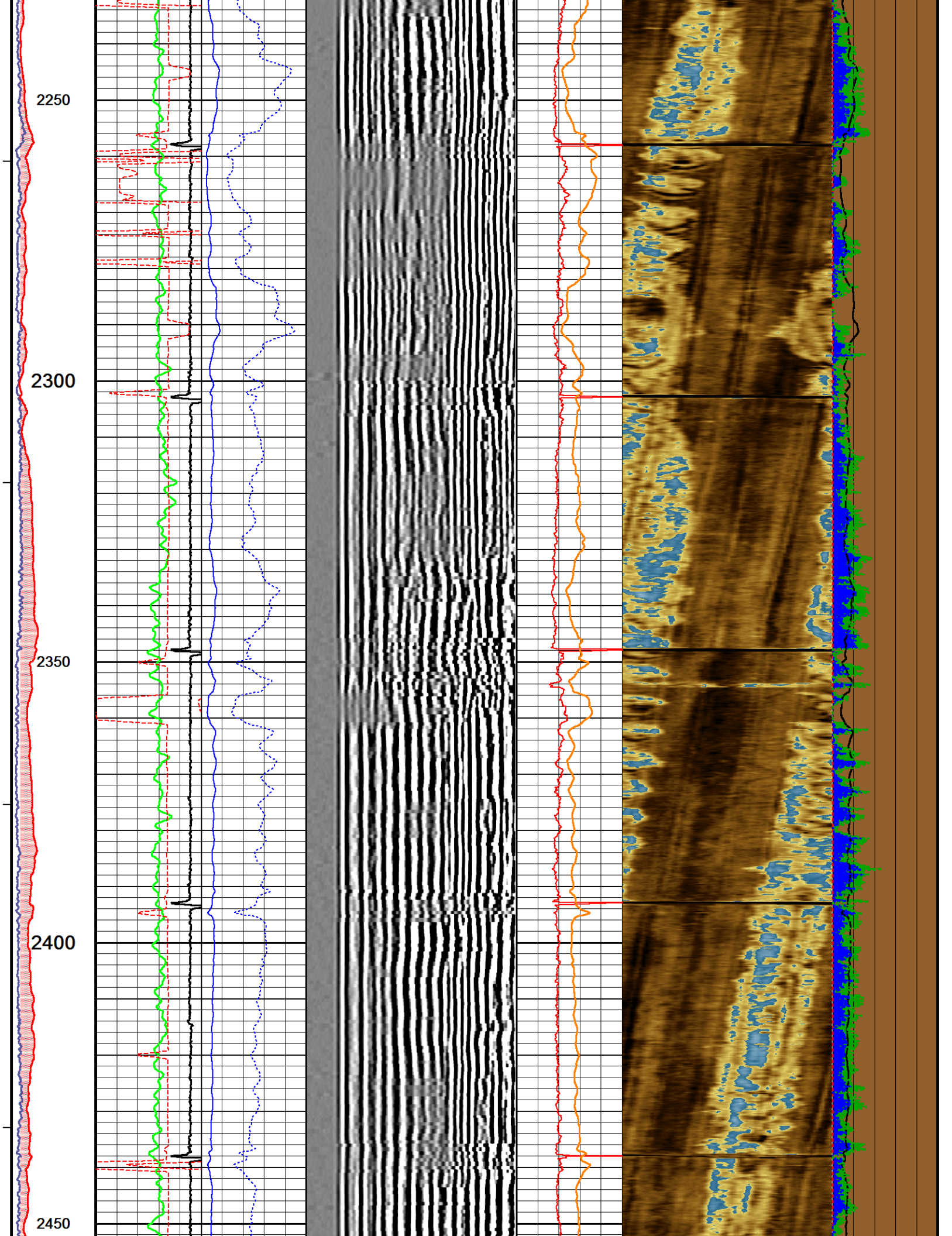


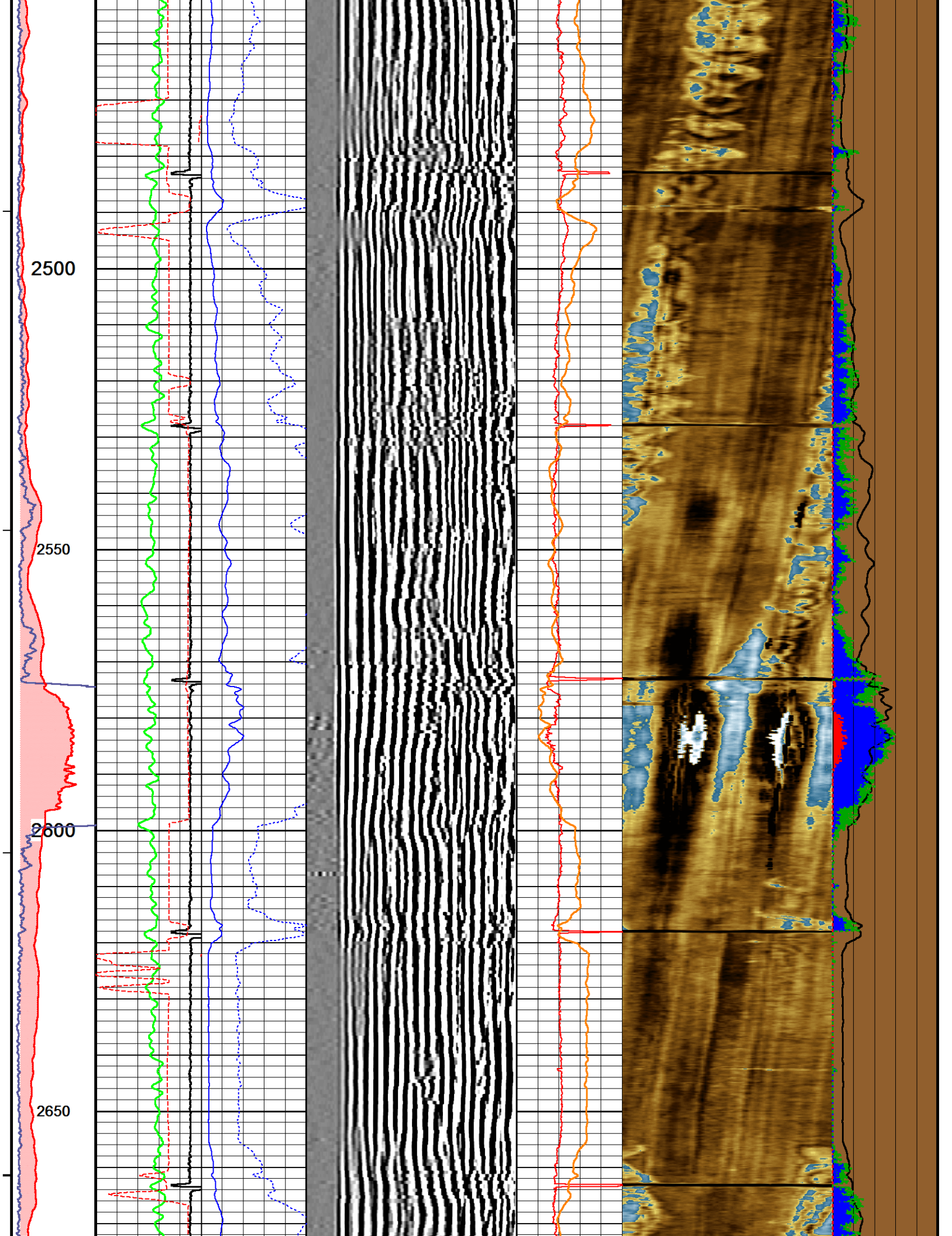


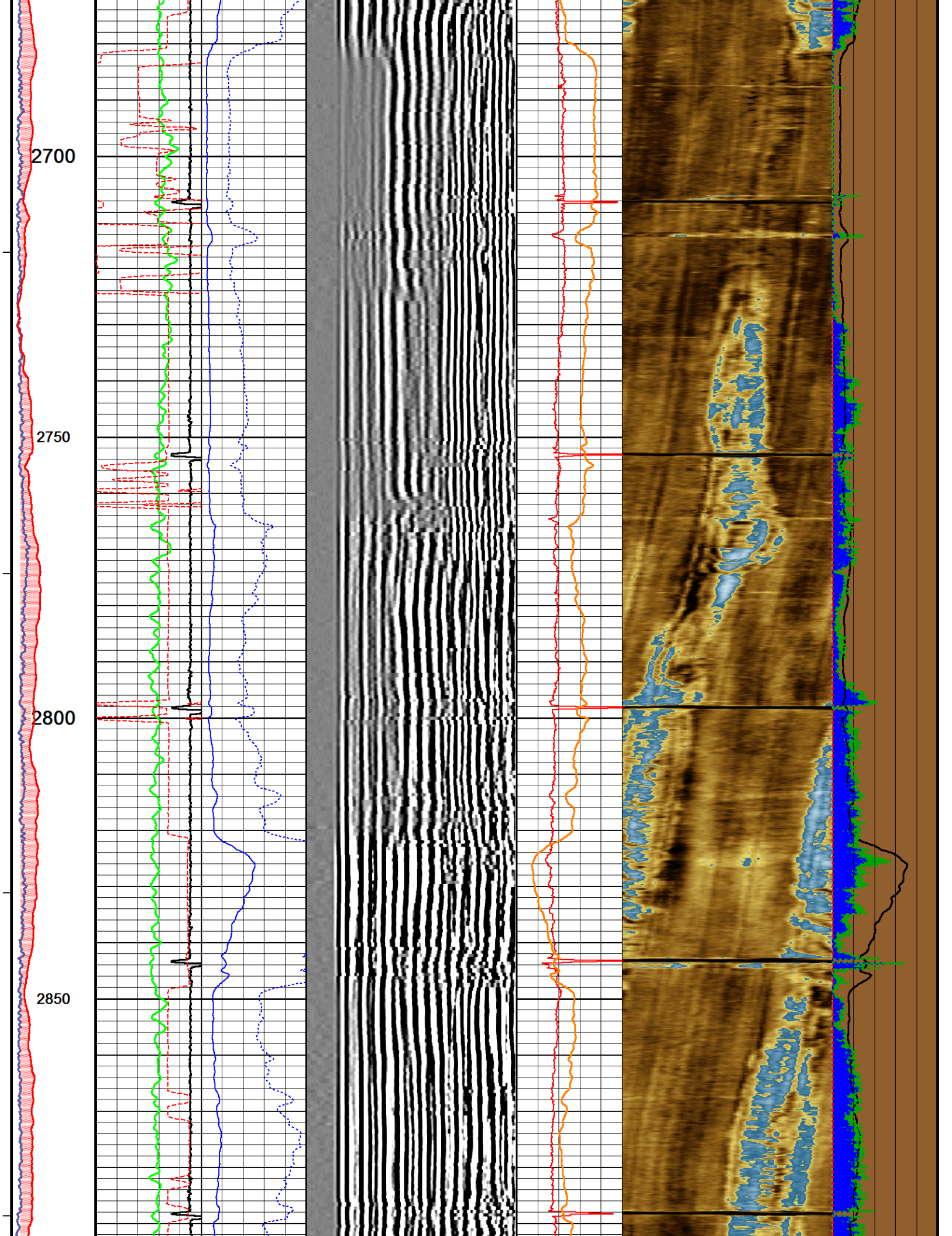


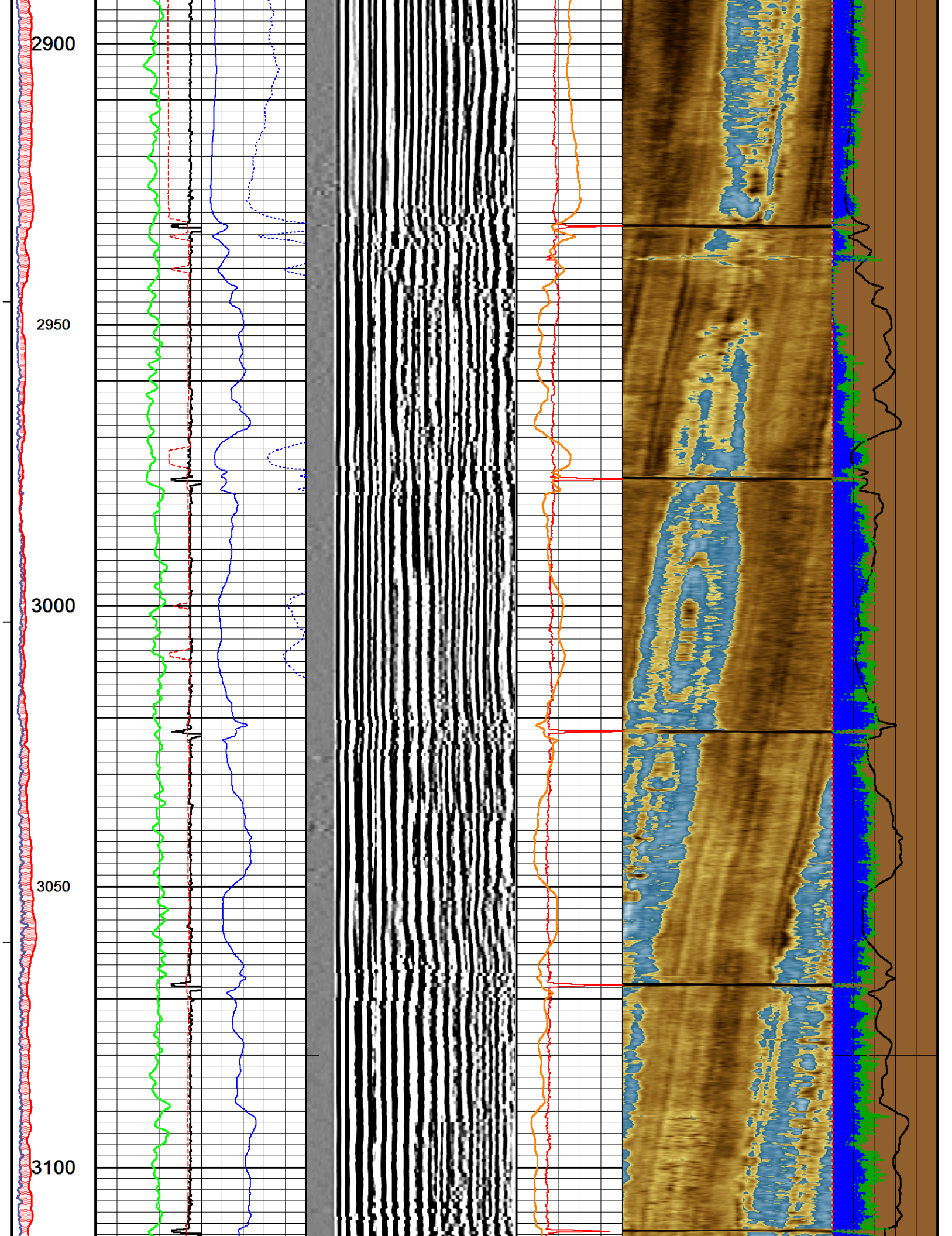


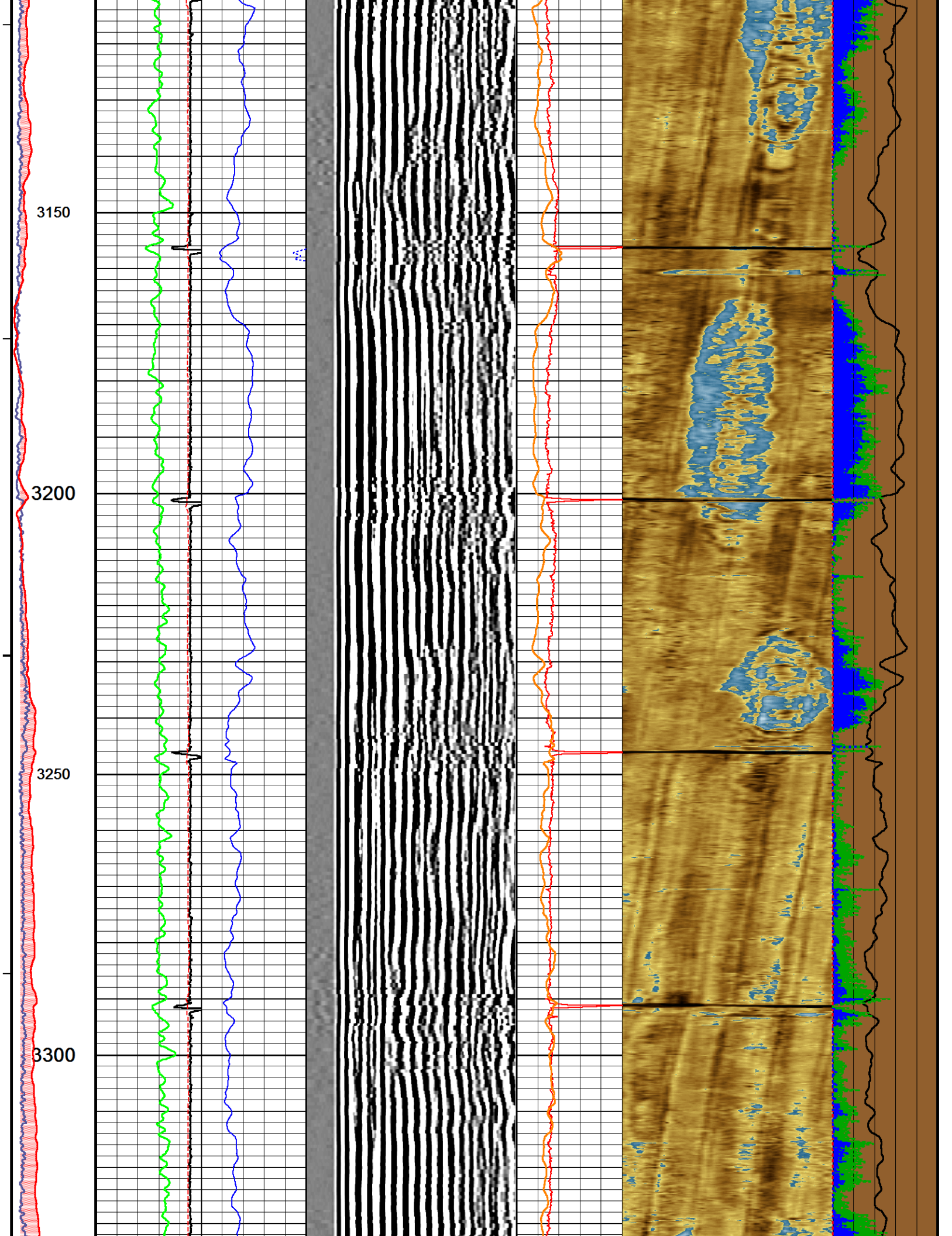


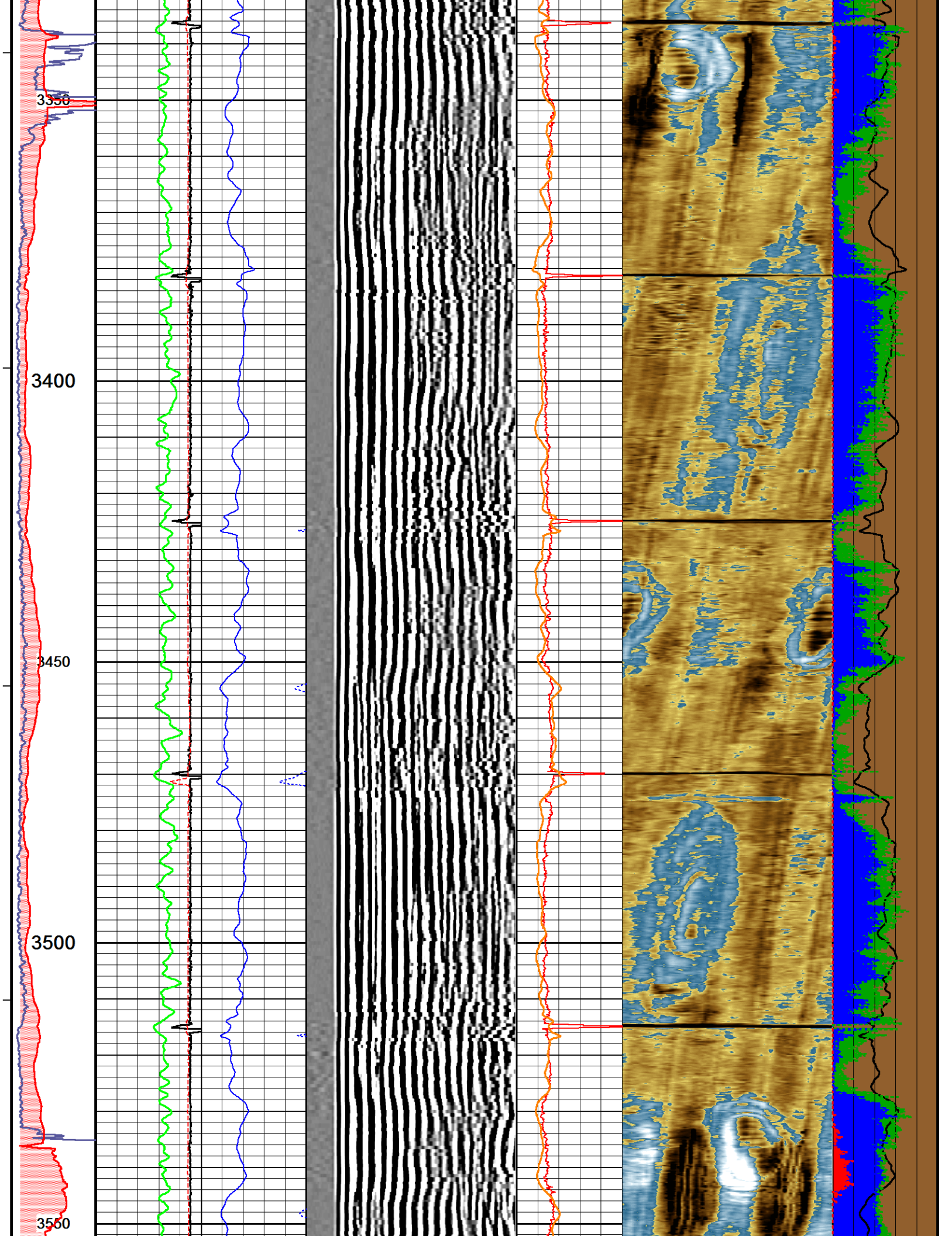


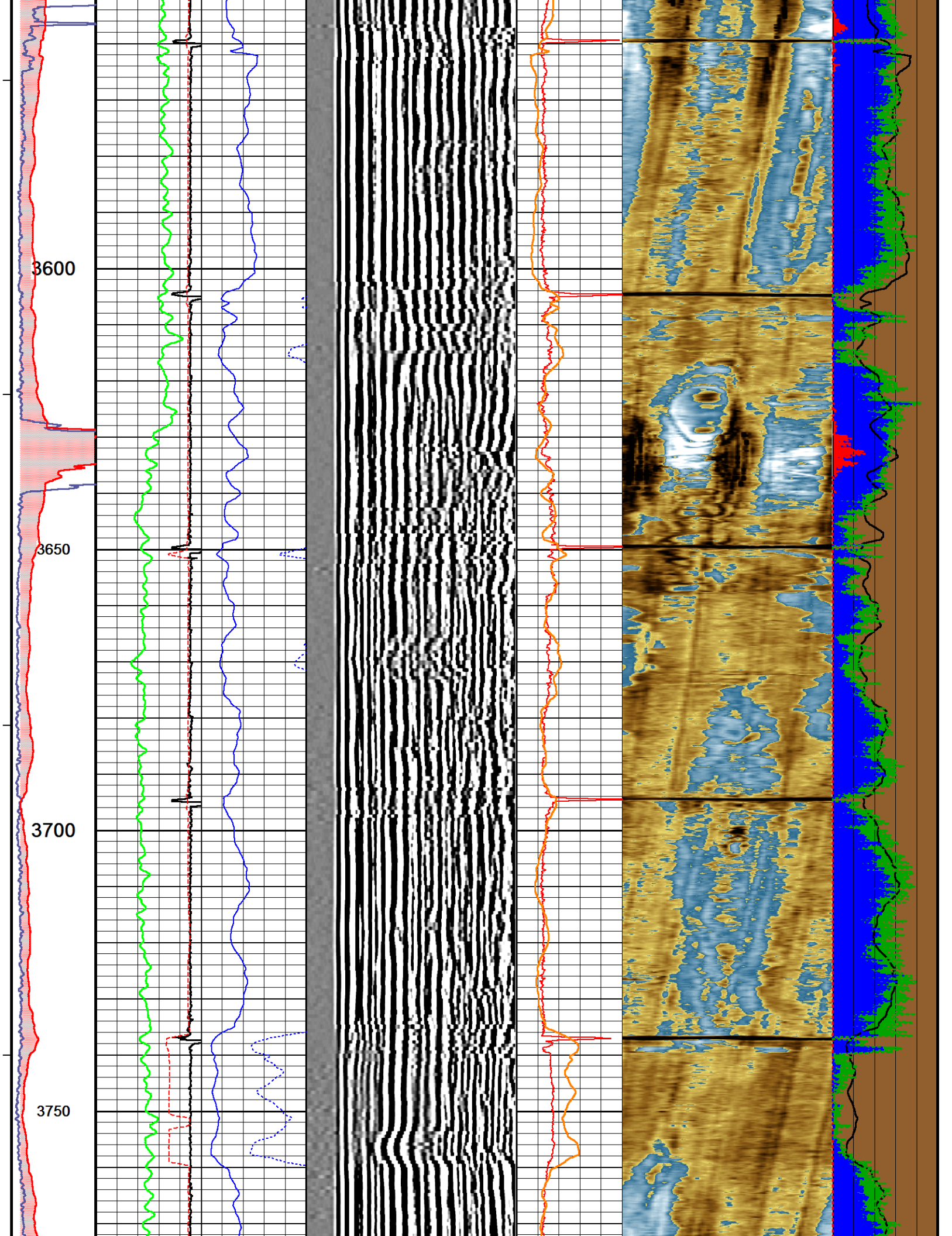


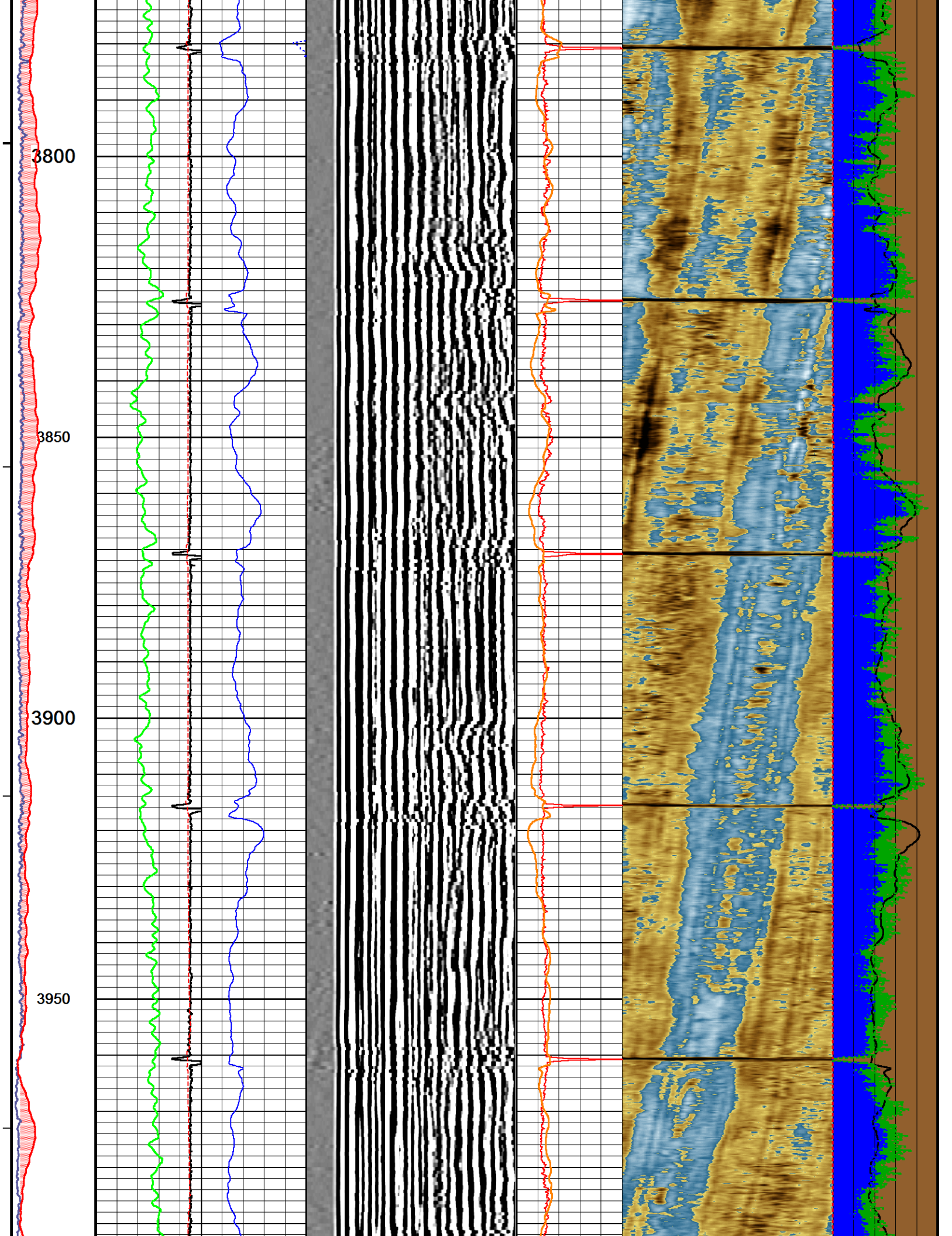


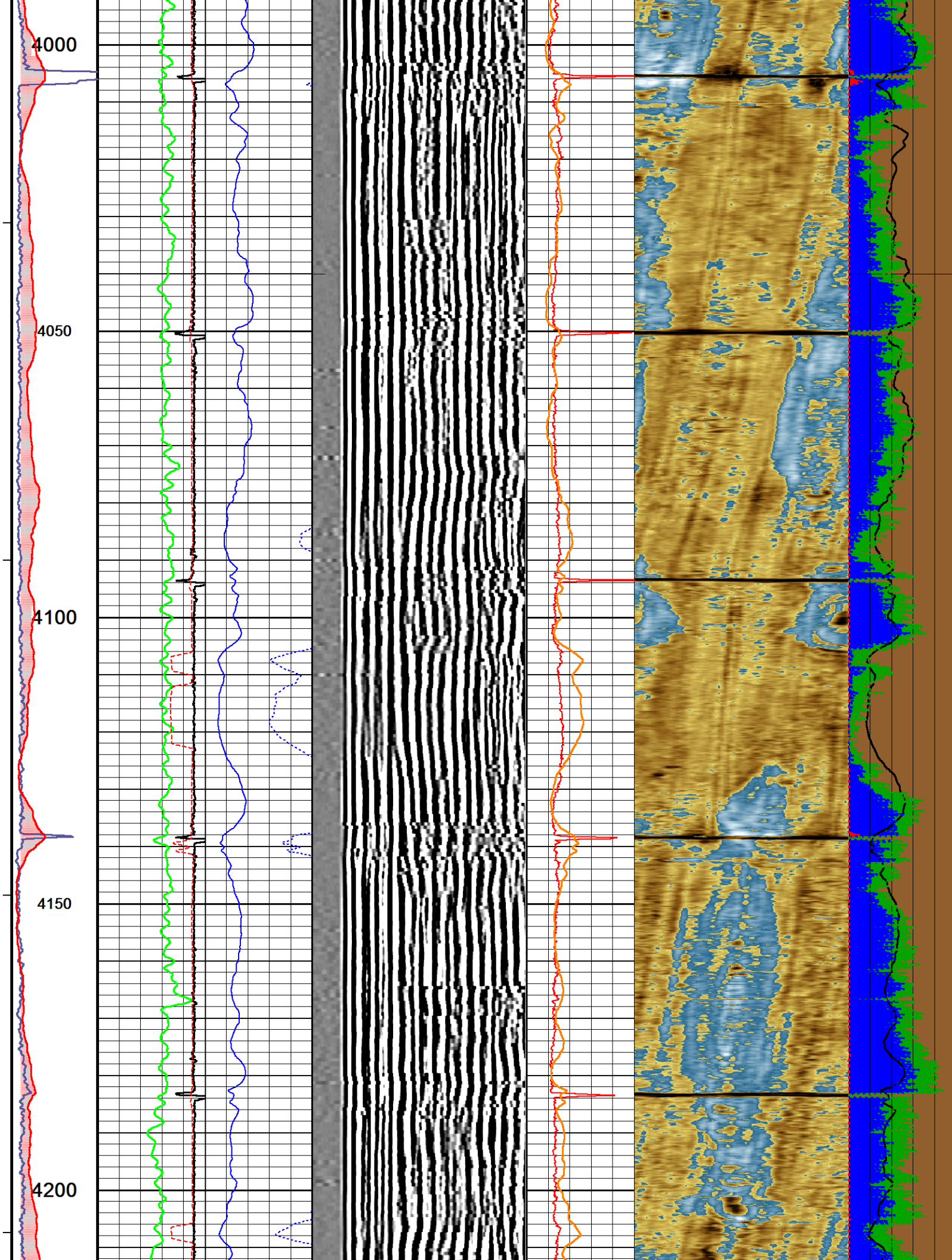


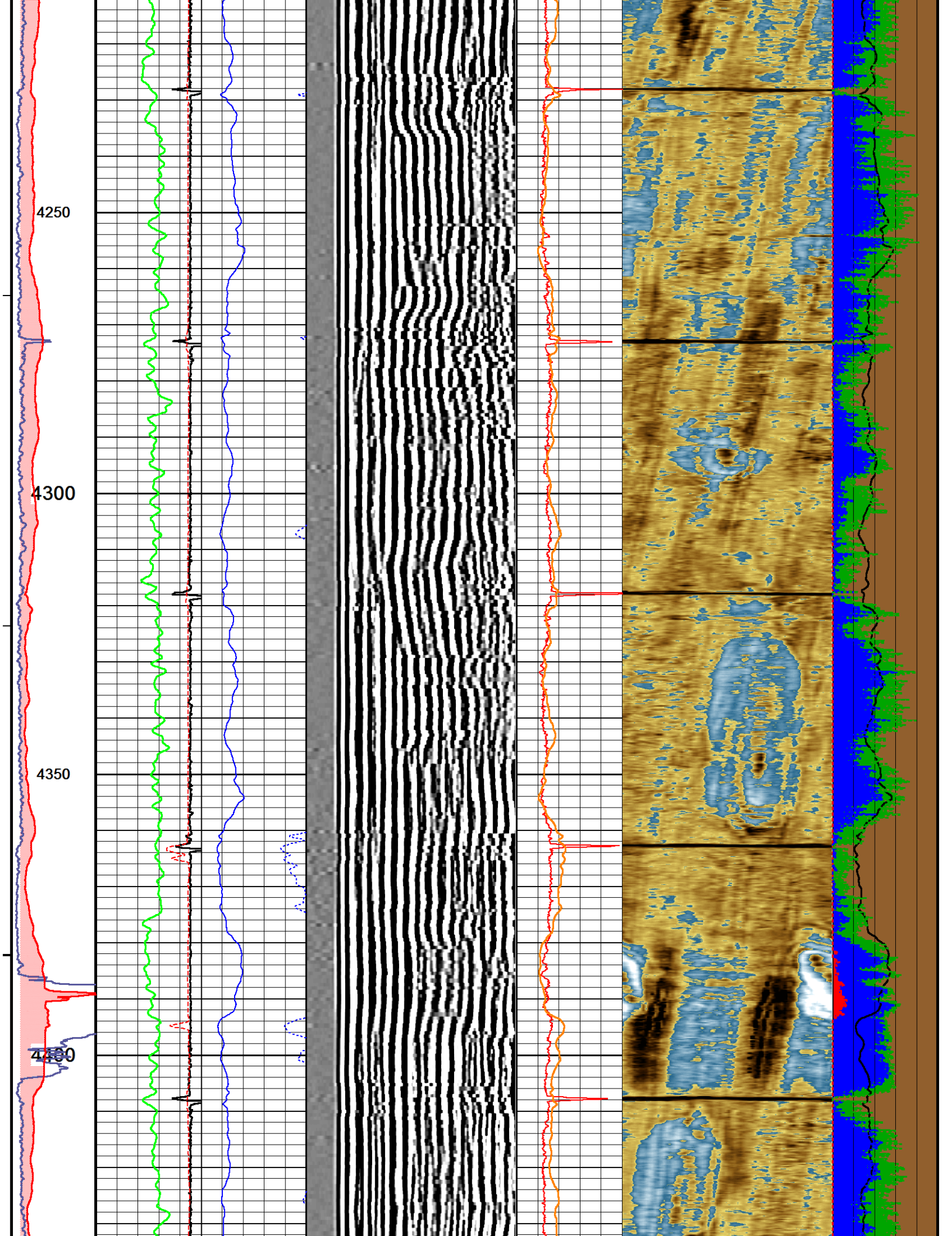


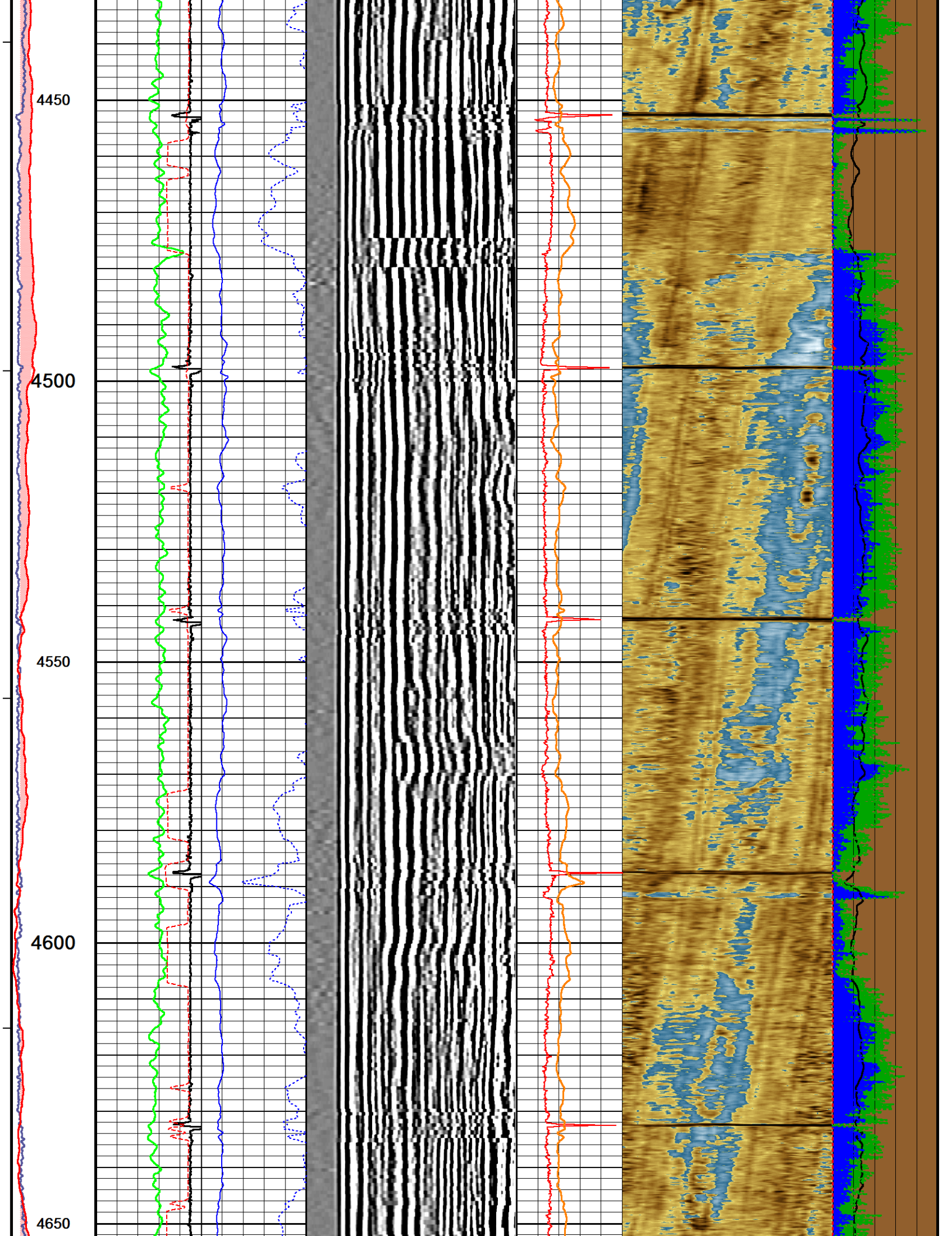


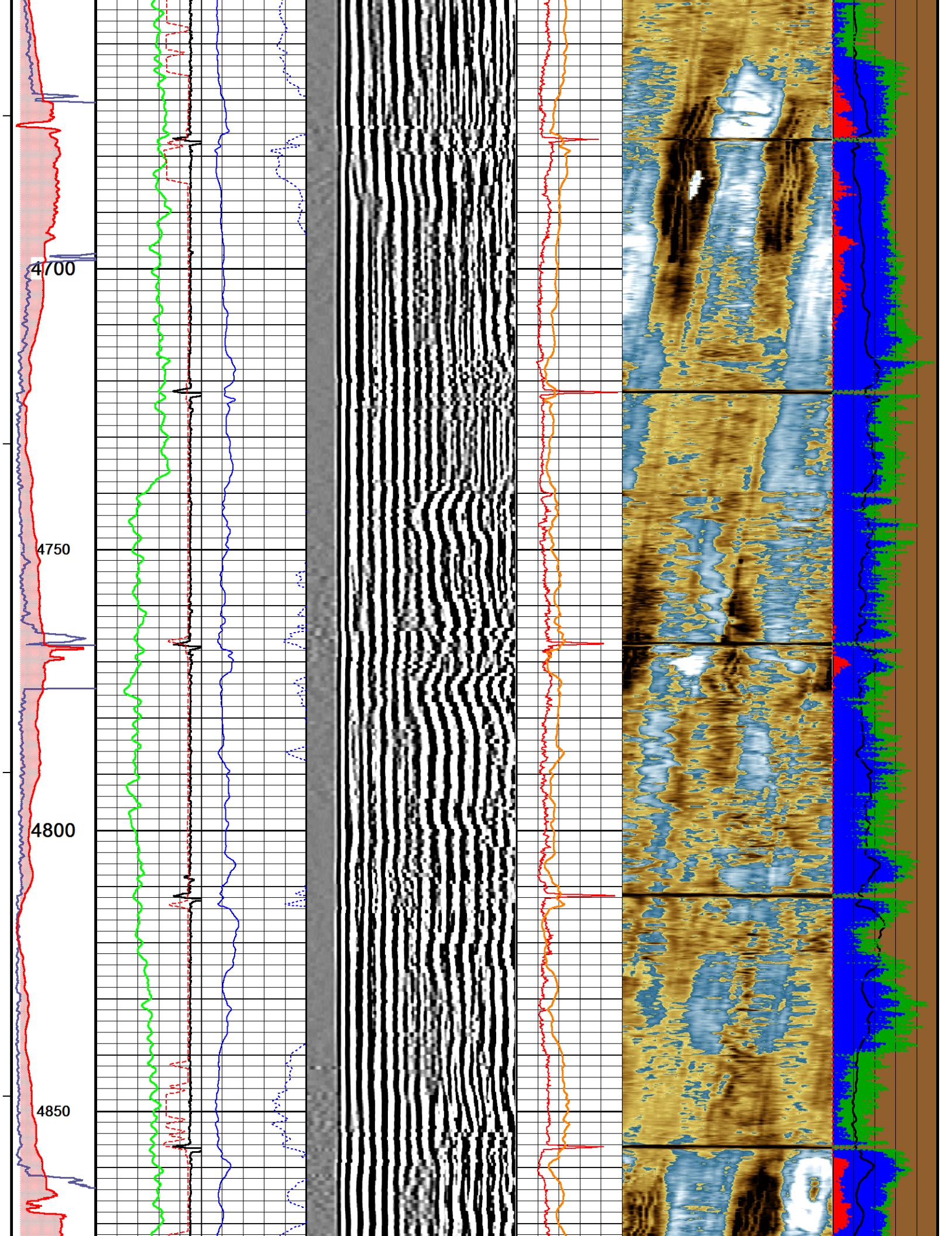


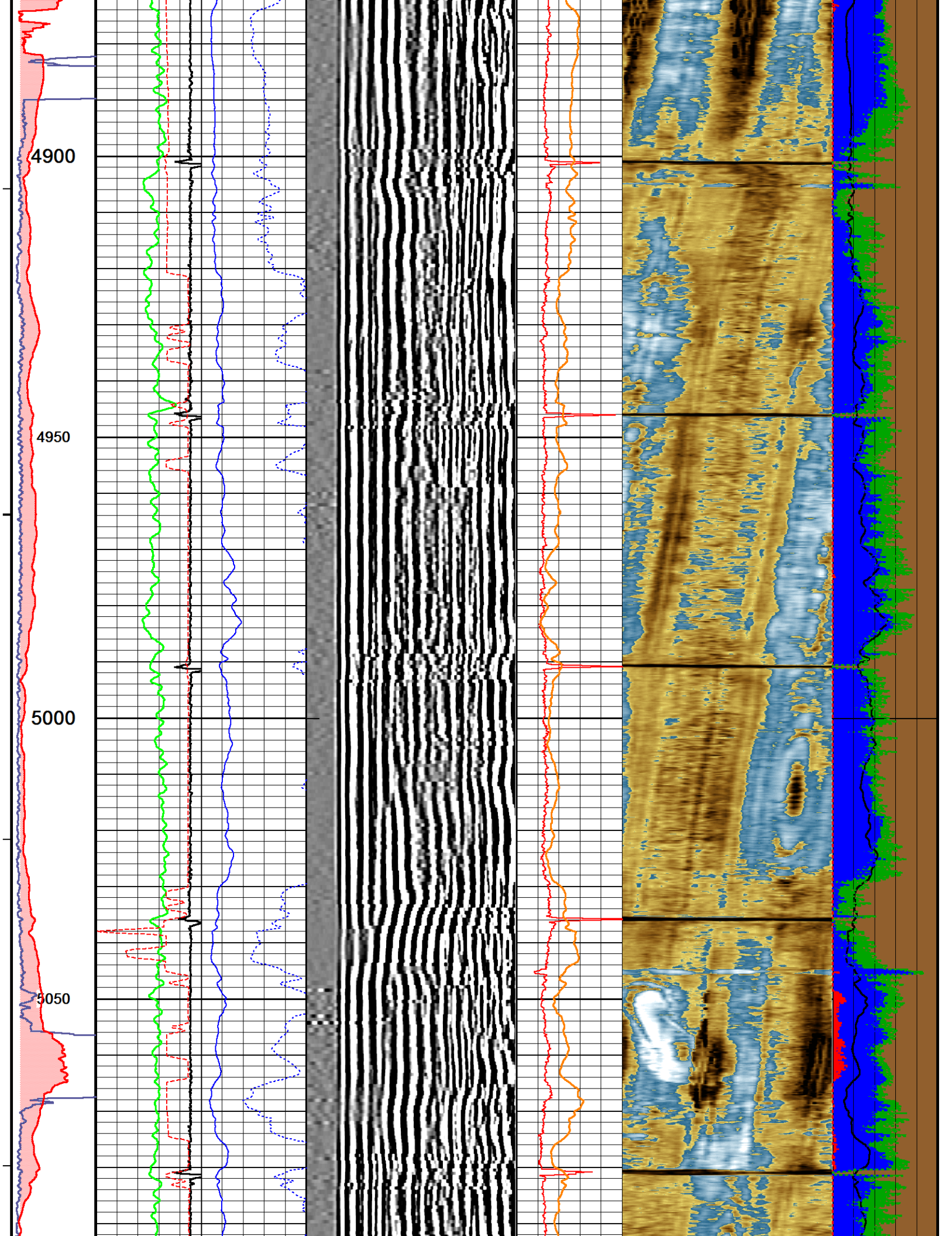


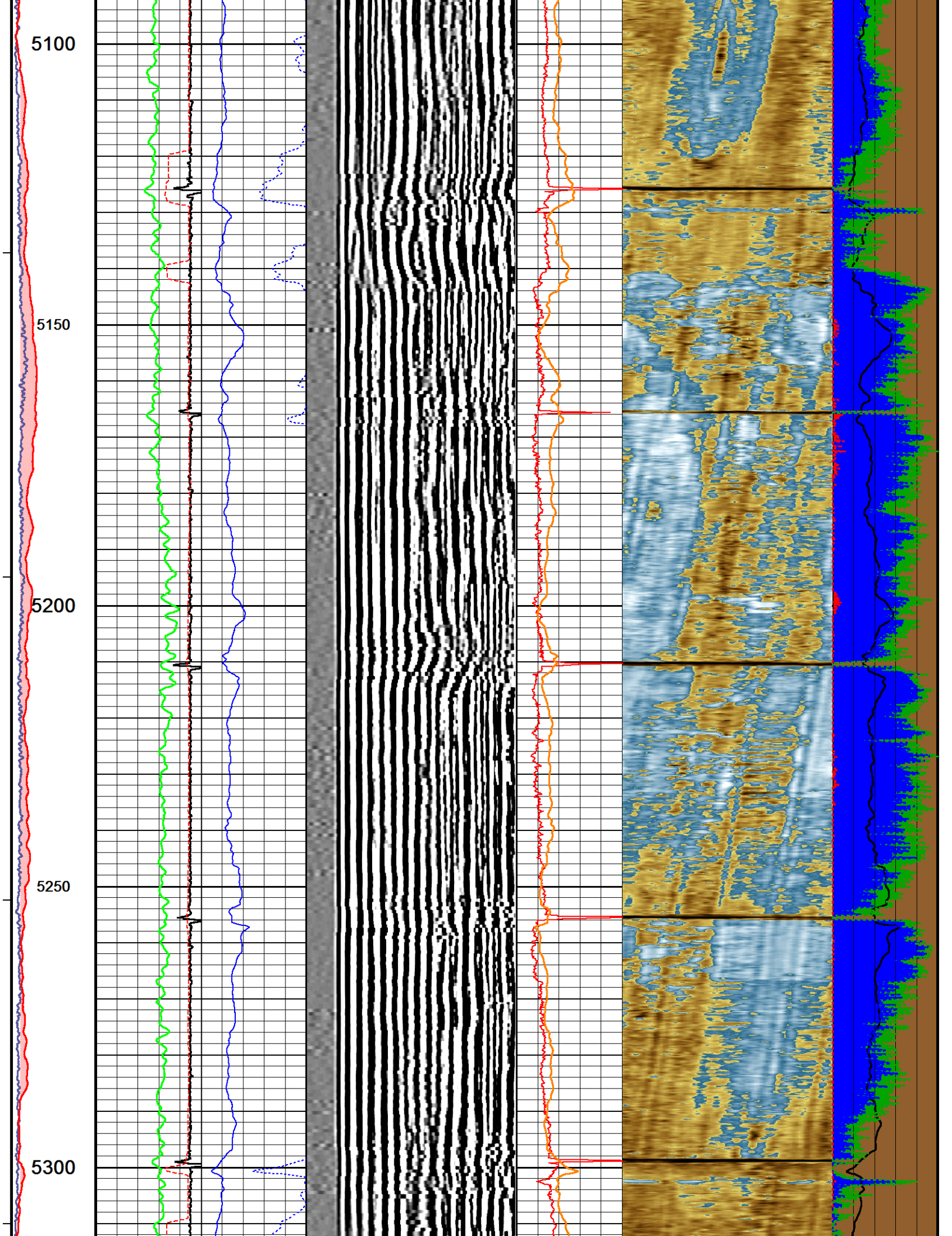


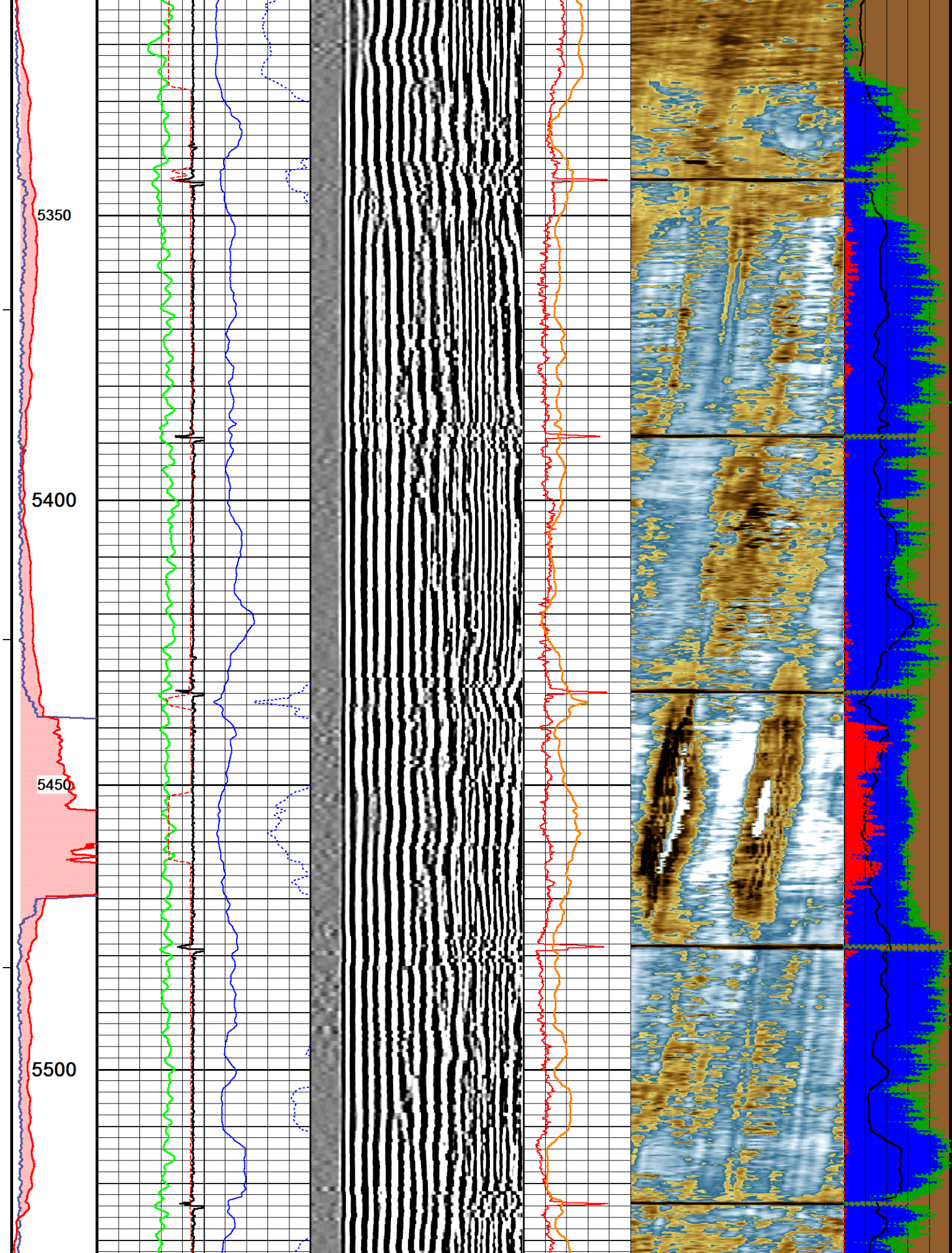


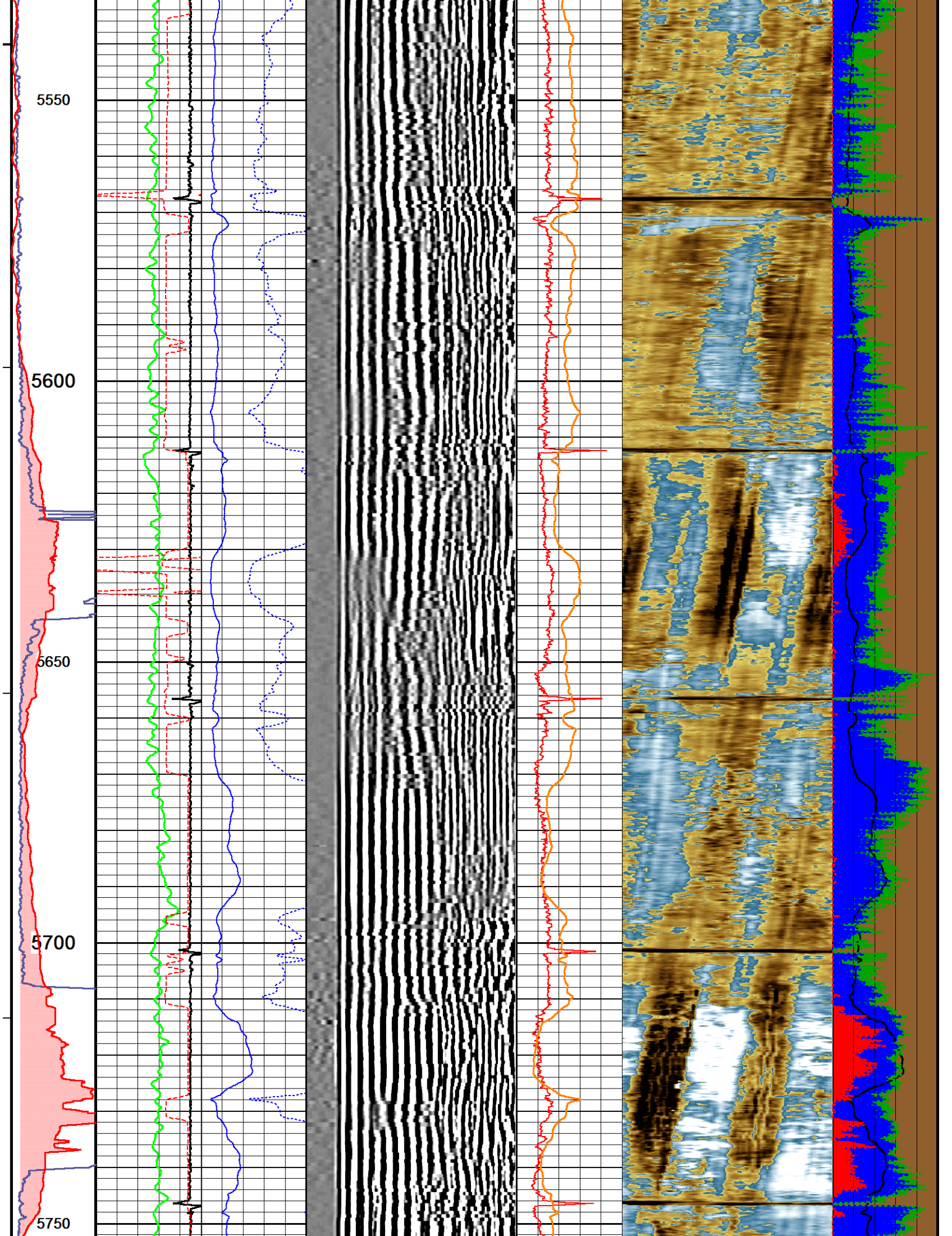


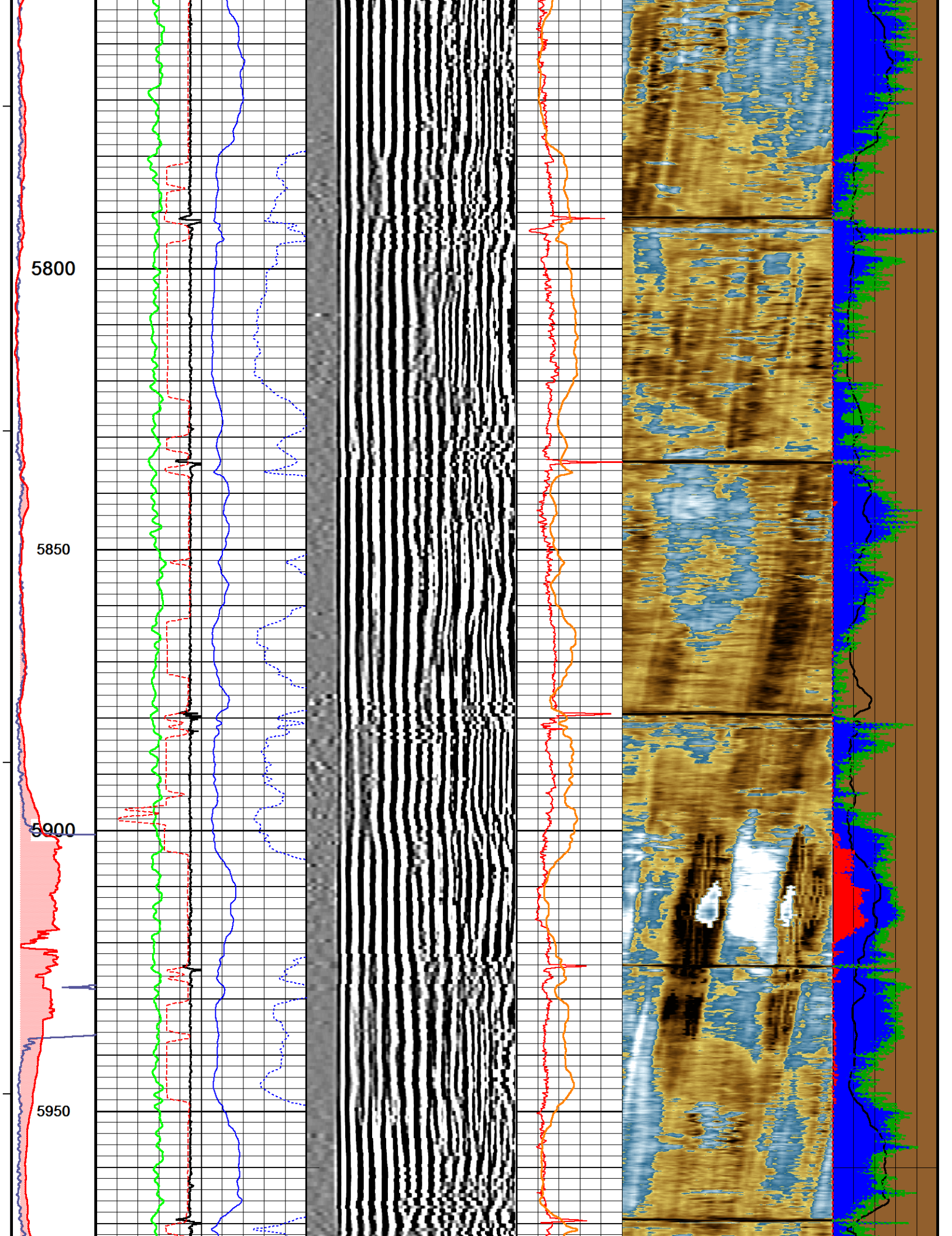


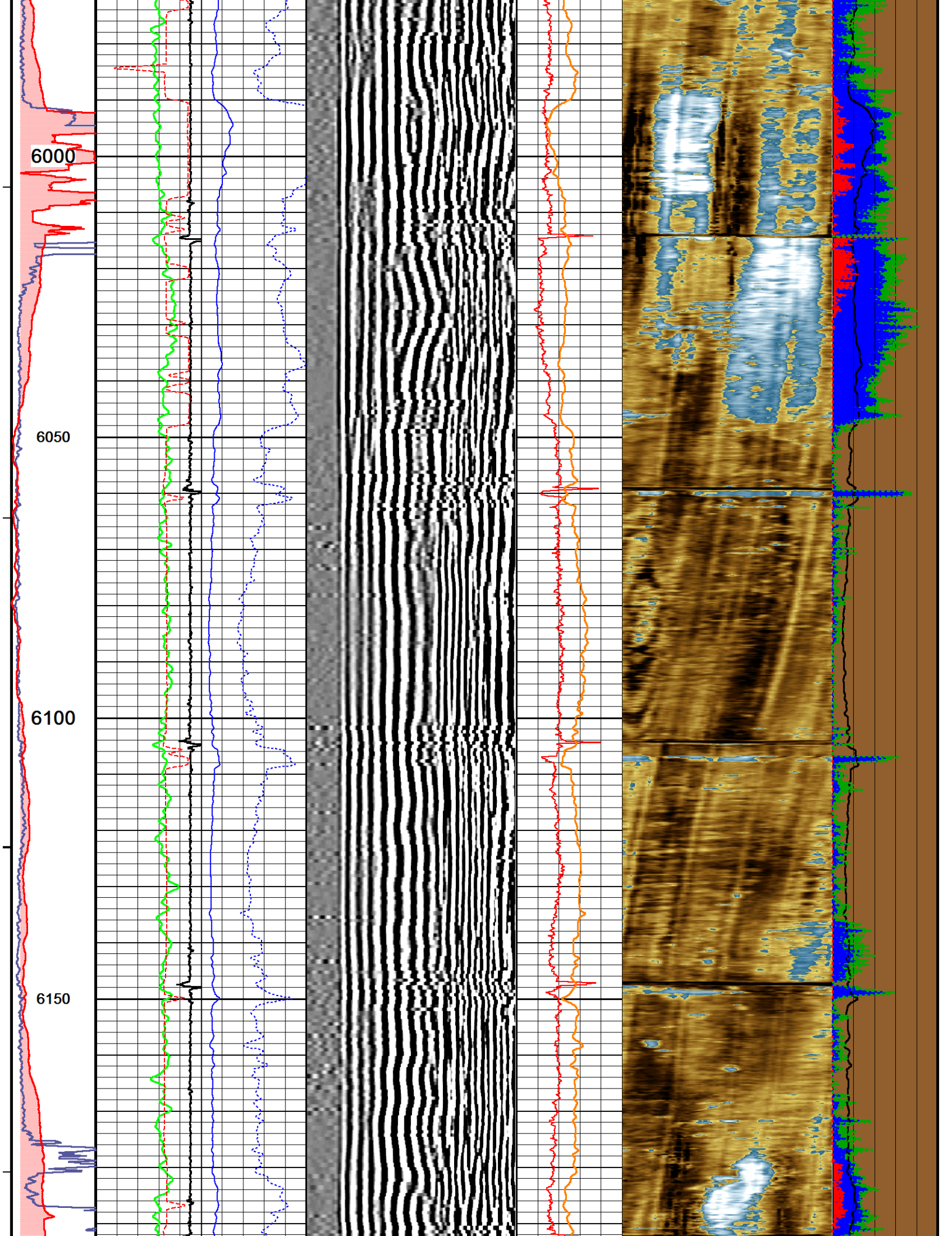


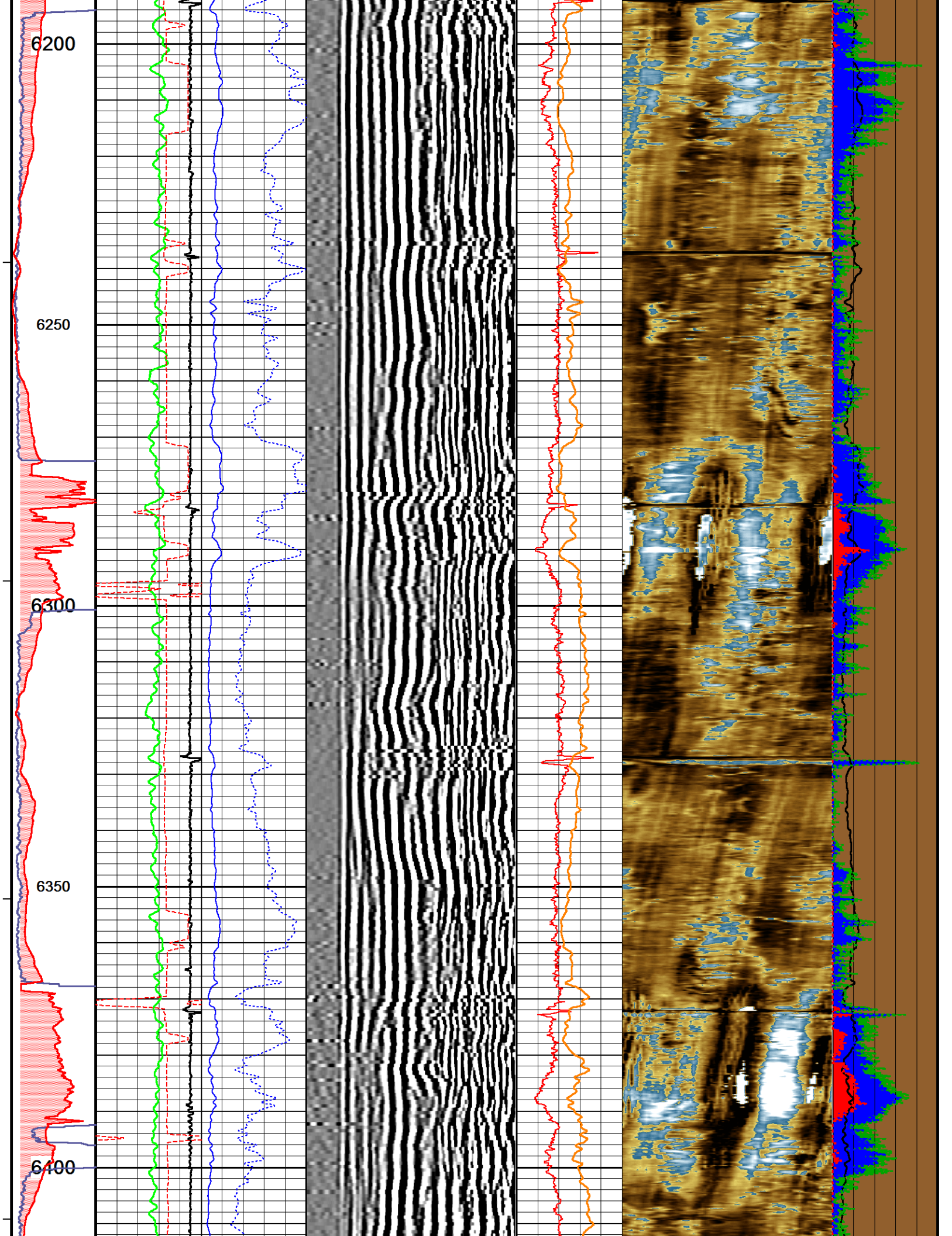


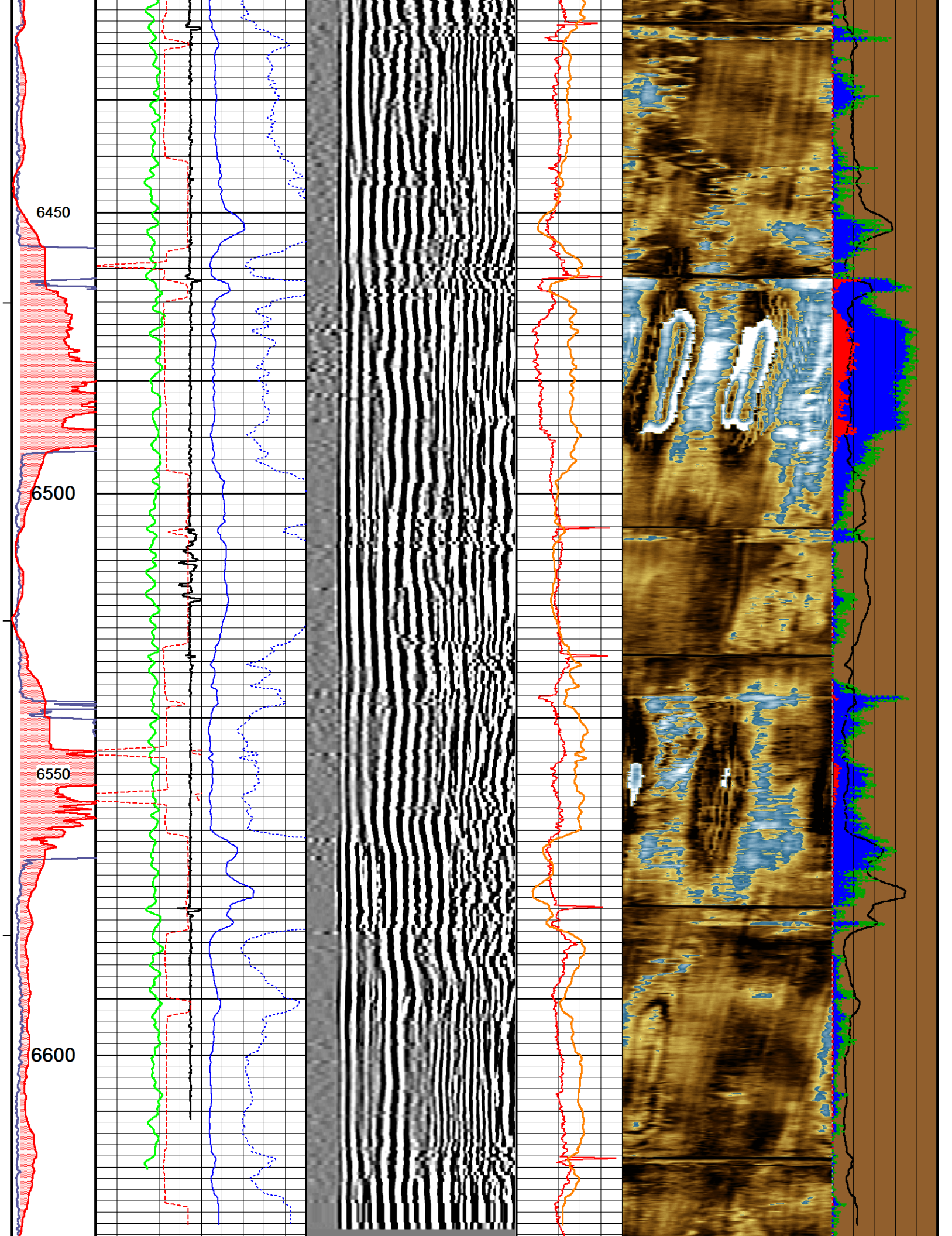


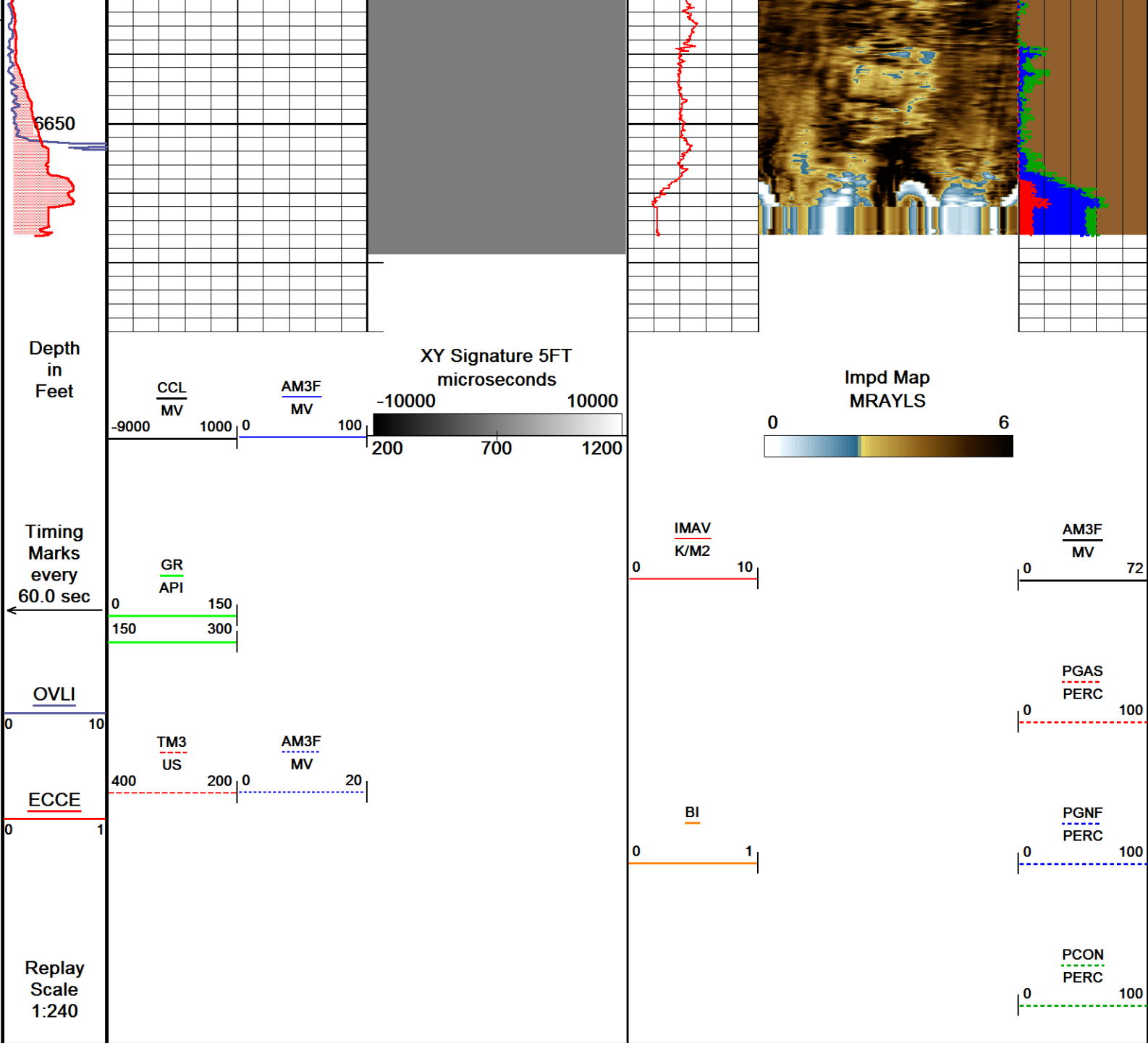










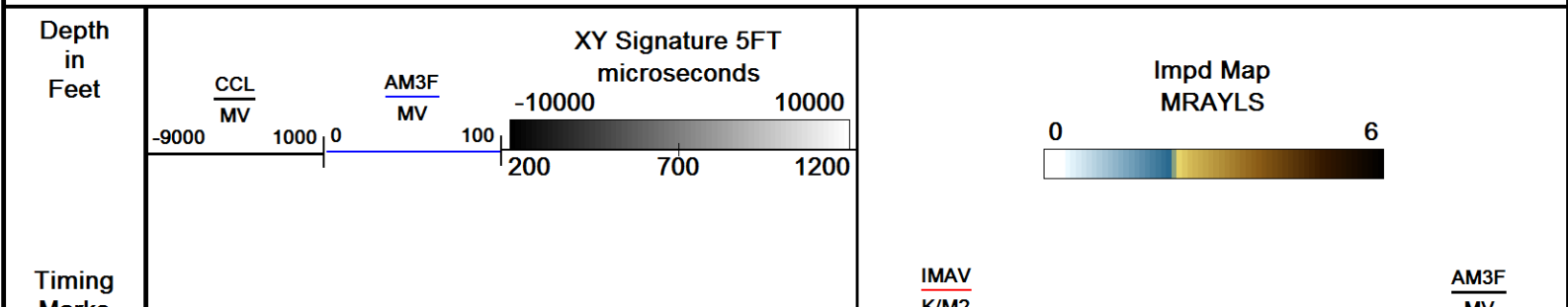


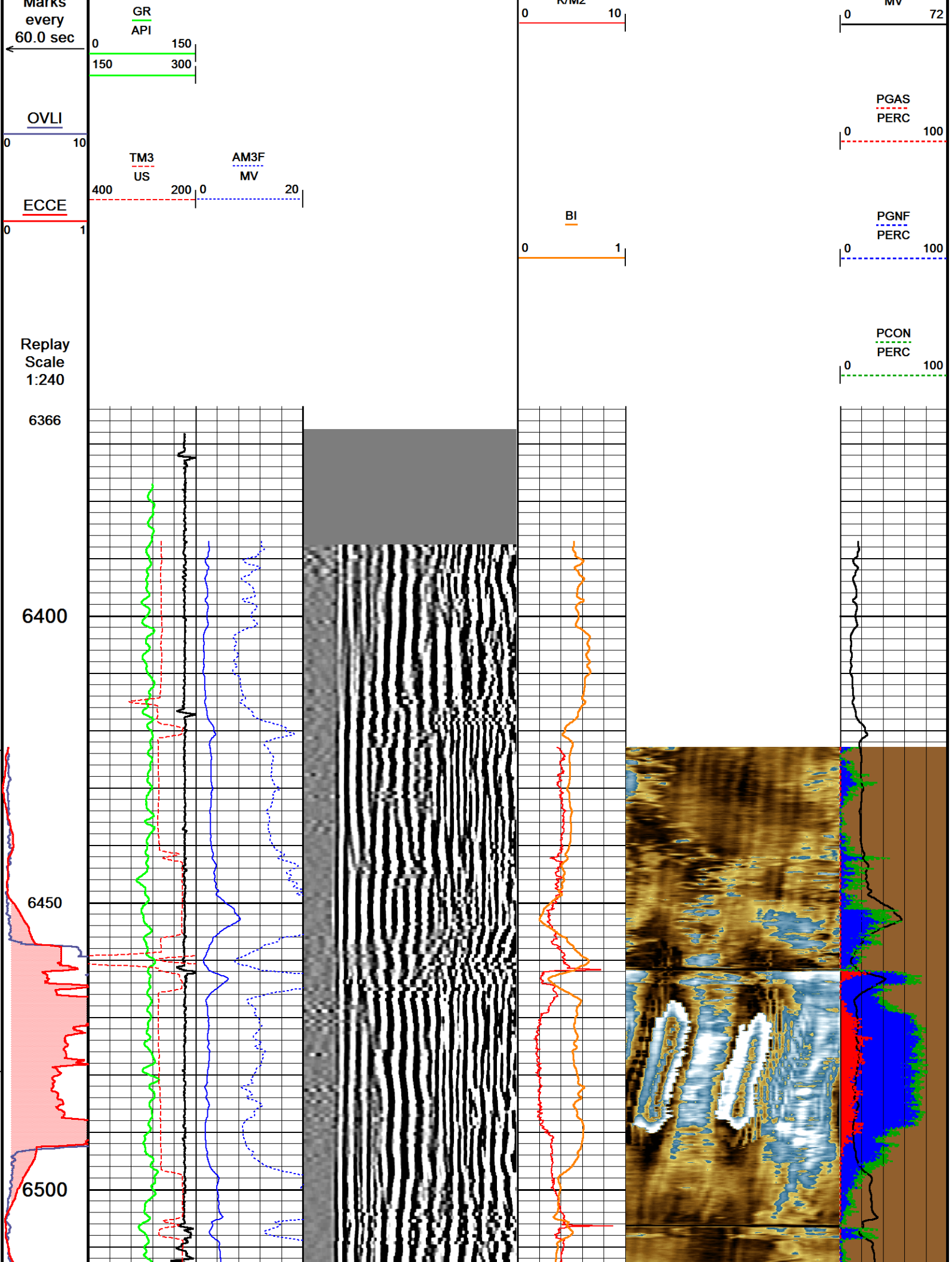
Depth Based Data - Maximum Sampling Increment 2.5cm
Filename: C:\Users\197426\Desktop\EXTRACTION\WIN...WINDER SOUTH #3 MAIN PASS_001.dta
System Versions: Logged with 16.05.3841 Processed with 16.05.3841 Plotted with 16.05.3841

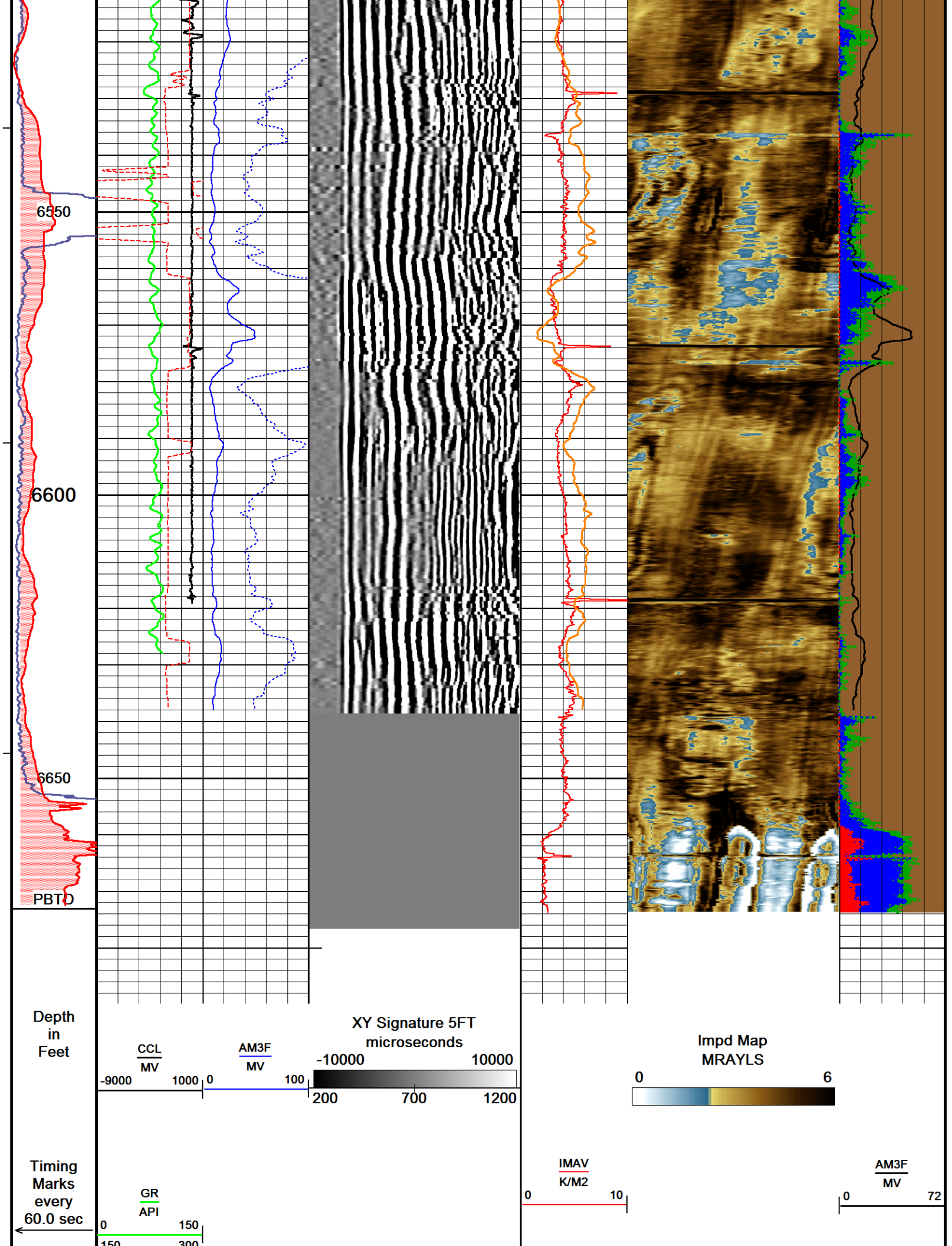
MAIN PASS

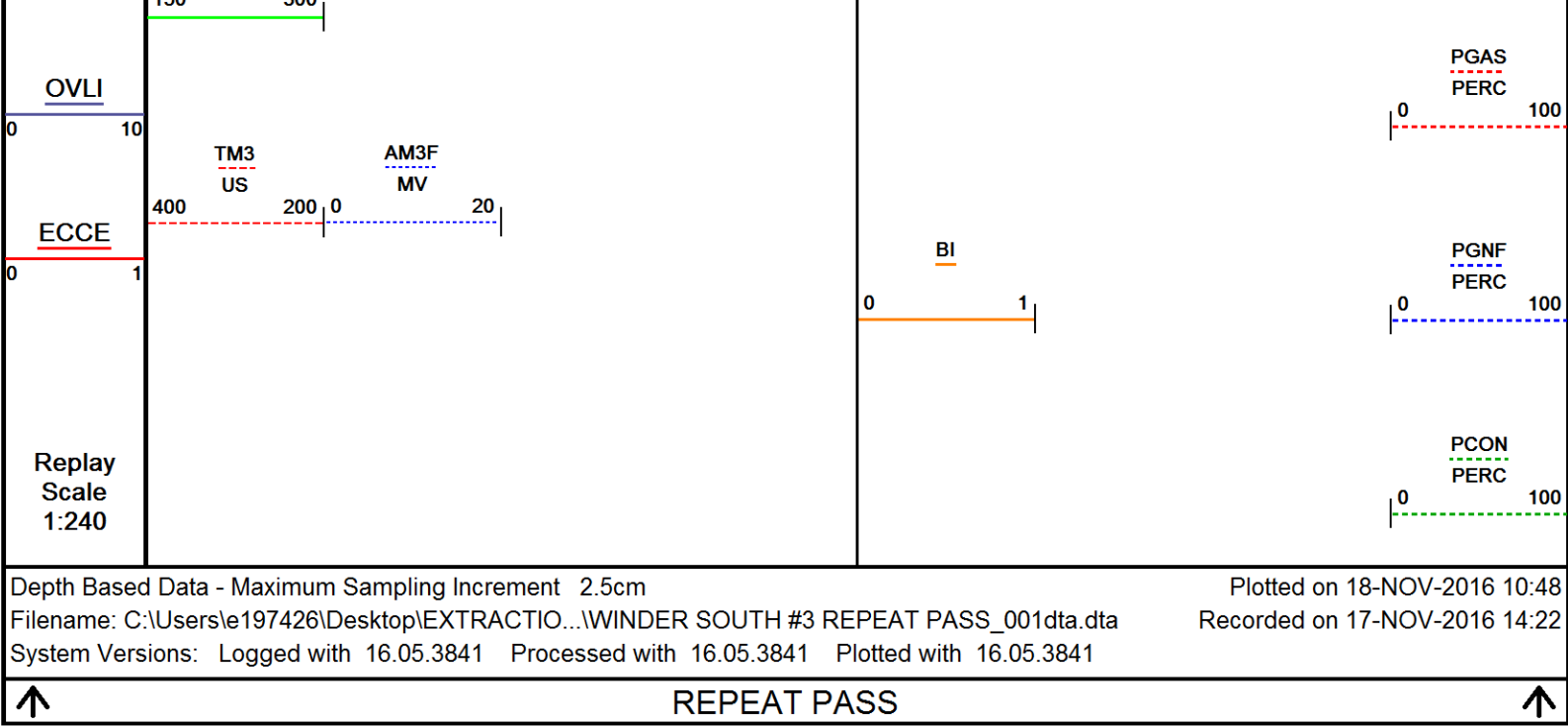
REPEAT PASS

Depth Based Data - Maximum Sampling Increment 2.5cm
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System Versions: Logged with 16.05.3841 Processed with 16.05.3841 Plotted with 16.05.3841









SHOP AND FIELD CALIBRATIONS				
C:\Users\le197426\Desktop\EXTRACTION\WINDER SOUTH #3\WINDER SOUTH #3 MAIN PASS_001.dta				
UGR Field Survey Cal UGR-JD 223				
Field Calibration on 03-NOV-2016 11:17				
Gamma Ray Field Survey Calibration				
Tool Type: UGR-JD		Serial No: 223		
Calibrator No: TH 047				
Background	Calibrator	Standard	Units	
89.3	548.2	155.0	CPS	
Delta Counts Per Sec: 458.9		CPS/API = 2.961		

CBT Field calibration CBT-AA 101				
Field Calibration on 08-NOV-2016 08:11				
Cement Bond Tool Amplitude Field calibration				
Tool Type	CBT-AA	Serial No	101	
Free Pipe Depth				
Sensor	Description	Standard(mV)	Measured(mV)	
AMP 3 FT	100 % Bond	1.80	0.00	
	Free Pipe	55.00	444.54	
AMP 5 FT	100 % Bond	1.20	0.00	
	Free Pipe	36.00	408.30	

CBT Constants CBT-AA 101				
Last Edited on 17-NOV-2016 14:12				

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		187.0	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 15-NOV-2016 08:41

Ultrasonic Radial Scanner Before Calibration

Tool Type USH-AB Serial No 136

Free Pipe	Measured	Minimum	Maximum	
	-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 17-NOV-2016 14:12

*** 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	3.75
ZMud Cal Area Ratio	3.90

** 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	1560.00	5.50	36.00	1.50	1.50	0.36	1.00
0.00	17075.00	5.50	20.00	1.50	1.50	0.36	1.00

** Constants **

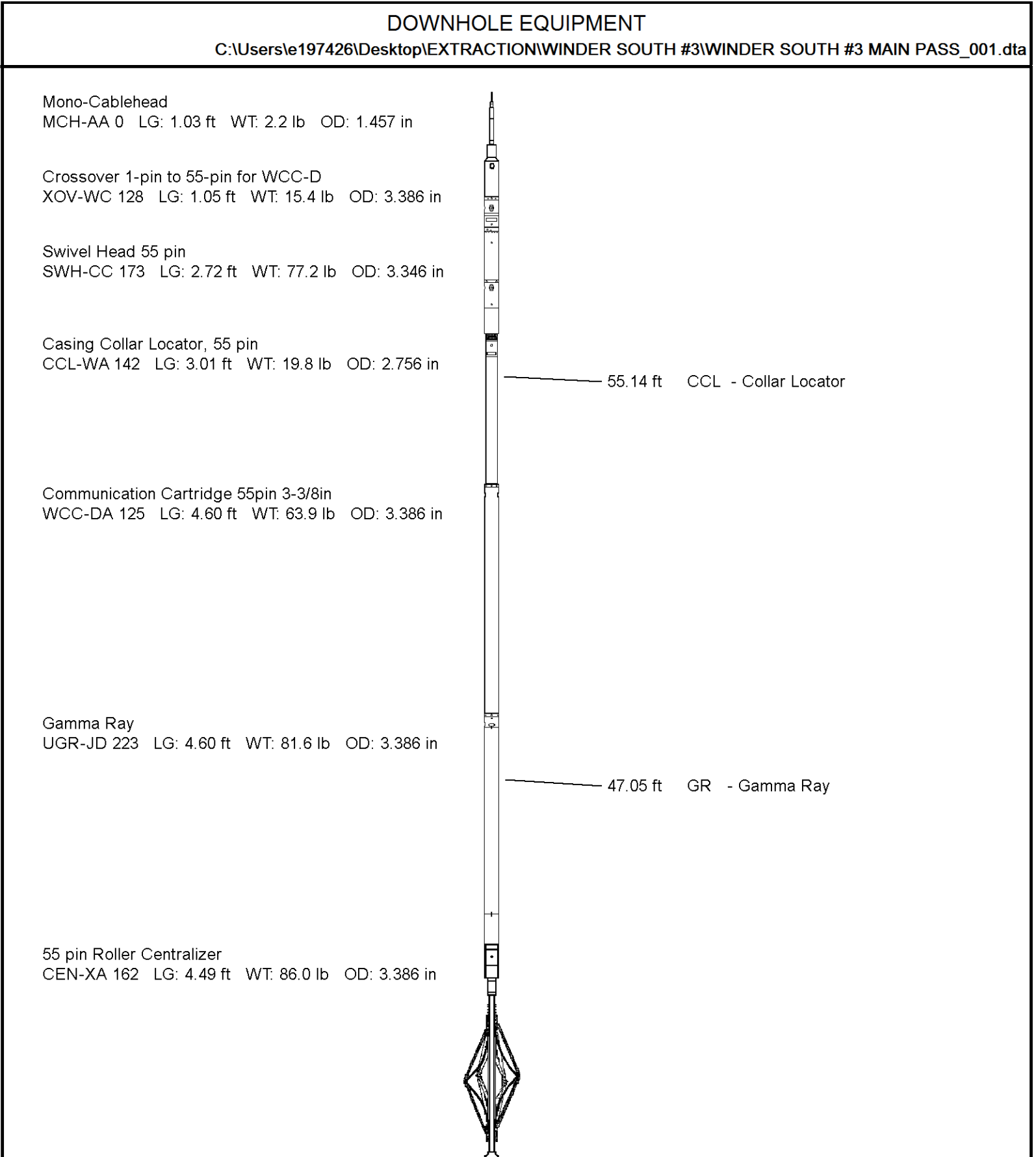
Thickness Calculated from	Tool
Radius Offset	0.00
Mud Slowness Offset	0.00 US/F
Mud Chamber Equation	Mud Plate
Z_mud at Calibration	1.60 K/M2
Z_mud Outside	1.70 K/M2
Gas Impedance Cutoff	0.38 K/M2
Fluid Impedance Cutoff	2.30 K/M2
Contam Impedance Cutoff	2.70 K/M2

Relative Bearing Rotate
RB Offset Angle

OFF
0.00 DEG

Cement Density

14.00 LB/G



Cement Bond Tool
CBT-AA 101 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 222 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Flexible Joint, URS, 55 Pin
FTP-FA 131 LG: 4.35 ft WT: 90.4 lb OD: 3.386 in

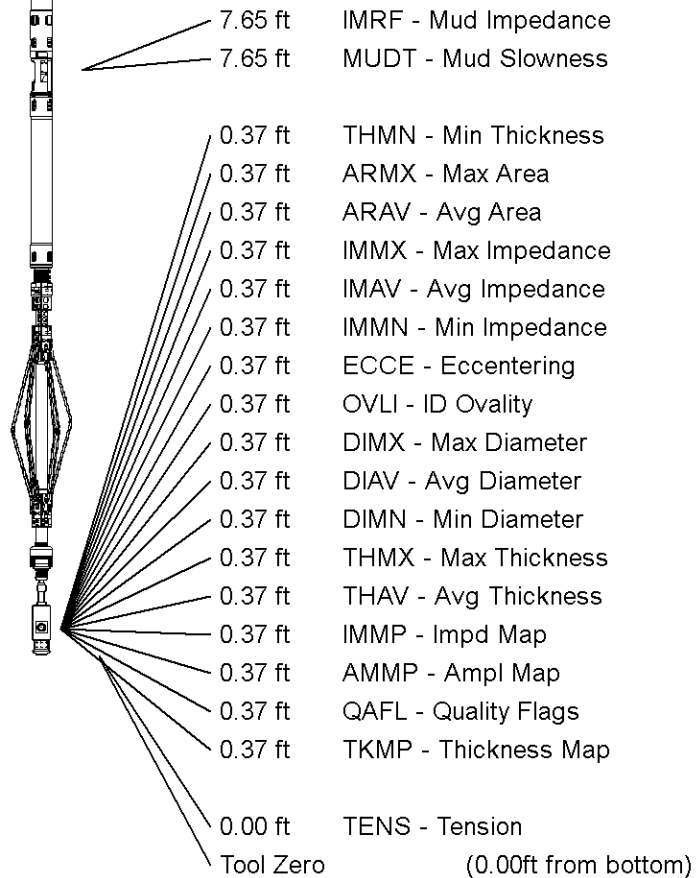
55 pin Roller Centralizer
CEN-XA 221 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

URS Electronics Cartridge
UCC-AA 194 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in

URS Sonde Section
USS-AB 178 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: 60.78 ft Weight: 1031.8 lb



All measurements relative to tool zero.

COMPANY	EXTRACTION OIL & GAS
WELL	WINDER SOUTH #3
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	USA / COLORADO

Elevation Kelly Bushing	0 feet	Bottom Log Interval	6673.00 feet
Elevation Drill Floor	0 feet	Depth Driller	feet
Elevation Ground Level	0 feet	Depth Logger	6673.00 feet



Weatherford®

SECUREVIEW
ULTRAVIEW / BONDVIEW
CEMENT ANALYSIS

