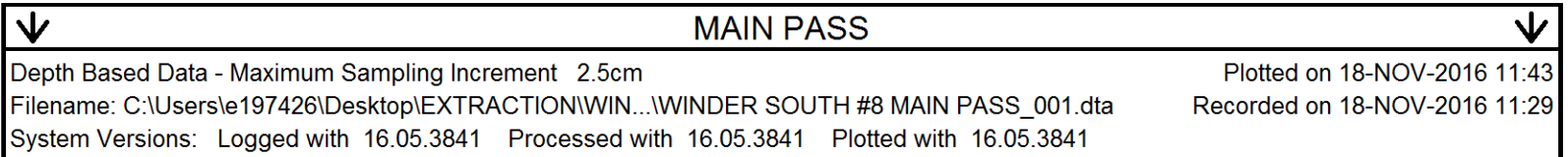
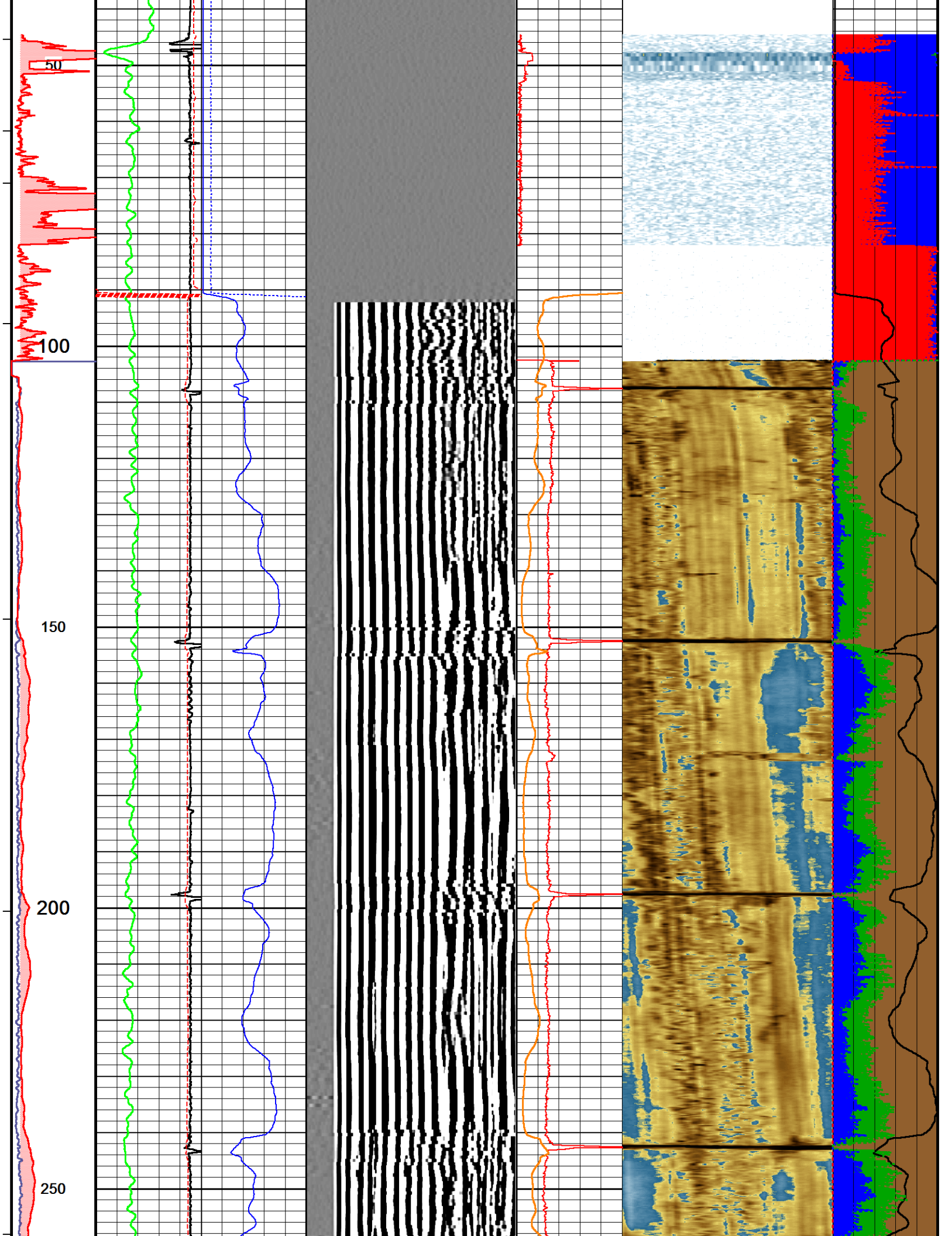
										SECUREVIEW									
Weatherford®										ULTRAVIEW / BONDVIEW									
										CEMENT ANALYSIS									
COMPANY										EXTRACTION OIL & GAS									
WELL										WINDER SOUTH #8									
FIELD										WATTENBERG									
PROVINCE/COUNTY										WELD									
COUNTRY/STATE										USA / COLORADO									
LOCATION										SE NE 9-6N-67W									
SEC 9		TWP 6N		RGE 67W		Other Services													
Latitude																			
Longitude																			
API Number		05-123-43405																	
Permanent Datum GROUND, Elevation feet										Elevations:									
Log Measured From KB										KB 0.00									
Drilling Measured From KB										DF 0.00									
										GL 0.00									
Date		16-NOV-2016				PERFORATION RECORD													
Run Number		ONE				Shot		Number		Depth From		Depth To							
Service Order		7145-166444558				Density		of Shots		feet		feet							
Type Log		URS / CBT																	
Depth Driller																			
Depth Logger		6723.00																	
Top Log Interval		0.00																	
Bottom Log Interval		6723.00																	
Hole Fluid Type		WATER																	
Hole Fluid Level		103.00																	
Restriction ID		4.778				Gun Type													
Max Recorded Temp		198.00				Gun Size													
Well Head Pressure		0.00				psia													
Well Head Equipment		NONE				Size		Weight		Depth From		Depth To							
Time Well Ready		ON ARRIVAL				inches		pounds/ft		feet		feet							
Time Logger Bottom						9.625		36.00		0.00		1556.00							
Unit		14338				5.500		20.00		0.00		16963.00							
Equipment Name		WSS-E																	
Base		CASPER																	
Recorded By		K.HUSETH																	
Witnessed By		NOT WITNESSED																	

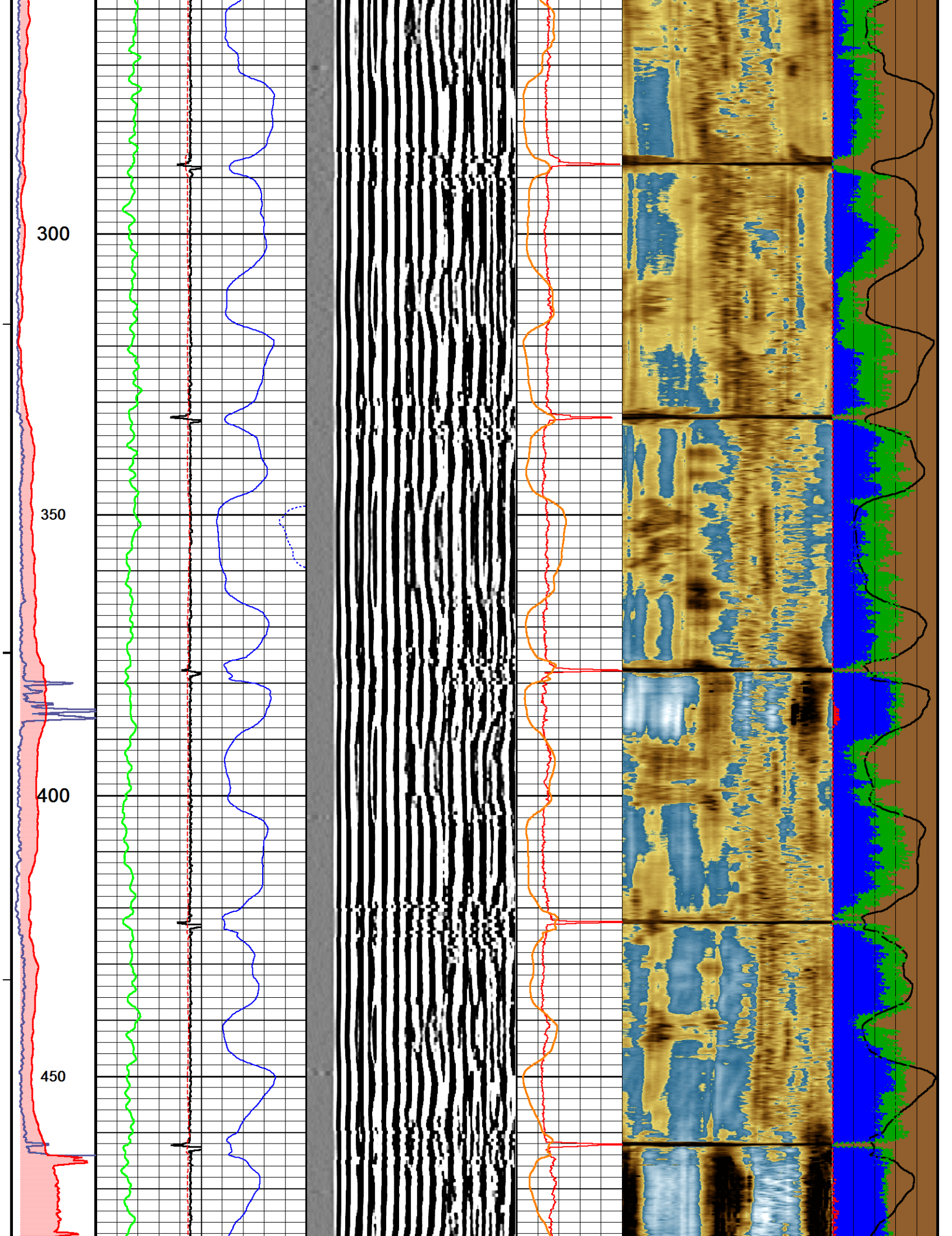
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE			9.625	0.00	1556.00	36.00
PRODUCTION	P-110		5.500	0.00	16963.00	20.00

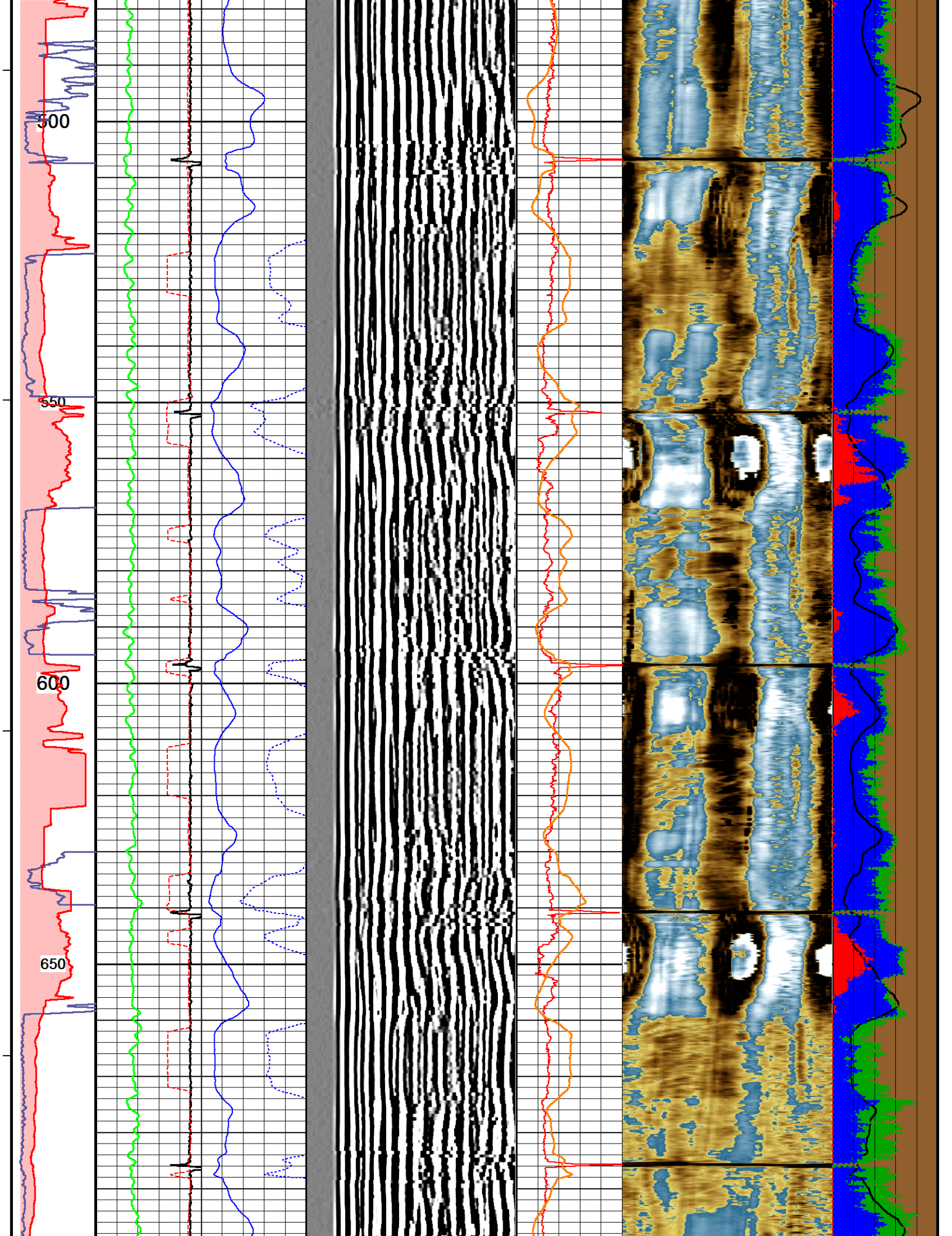
REMARKS
ULTRASONIC RADIAL SCANNER LOG CORRELATED TO RIG KB @ 25 FT ABOVE GROUND LEVEL REPEAT PASS WAS NOT PERFORMED ON THIS WELL DUE TO BEING STUCK DOWNHOLE AND HAVING TO PULL 4800 LBS TO GET TOOL MOVING UPHOLE AGAIN CEMENTING DATA: LEAD: ELASTICEM 150 SACKS, 13.2LB/GAL, 1.57FT^3/SACK TAIL: ELASTICEM 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

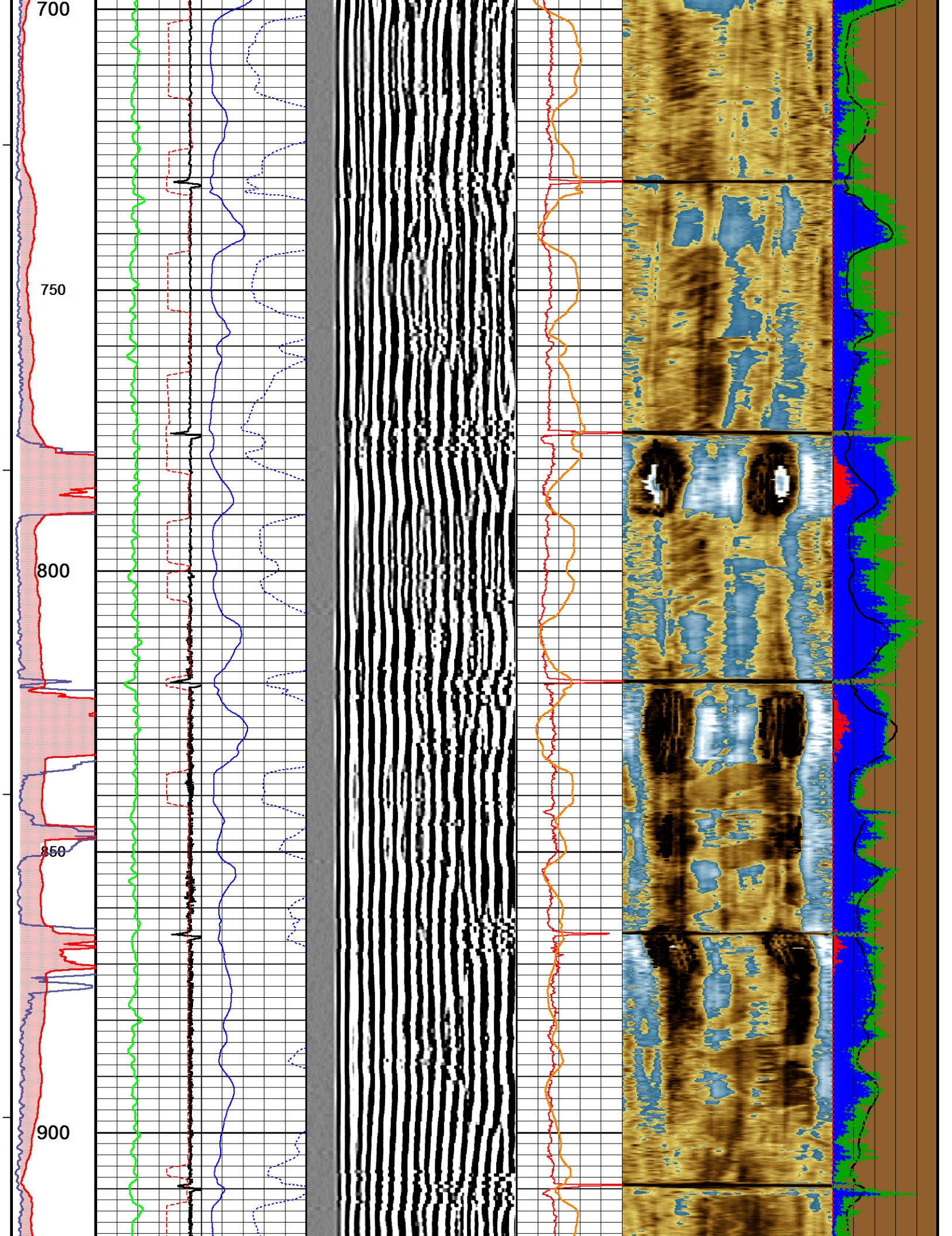
↓	MAIN PASS	↓
Depth Based Data - Maximum Sampling Increment 2.5cm		Plotted on 18-NOV-2016 11:43
Filename: C:\Users\le197426\Desktop\EXTRACTION\WIN... \WINDER SOUTH #8 MAIN PASS_001.dta		Recorded on 18-NOV-2016 11:29
System Versions: Logged with 16.05.3841 Processed with 16.05.3841 Plotted with 16.05.3841		

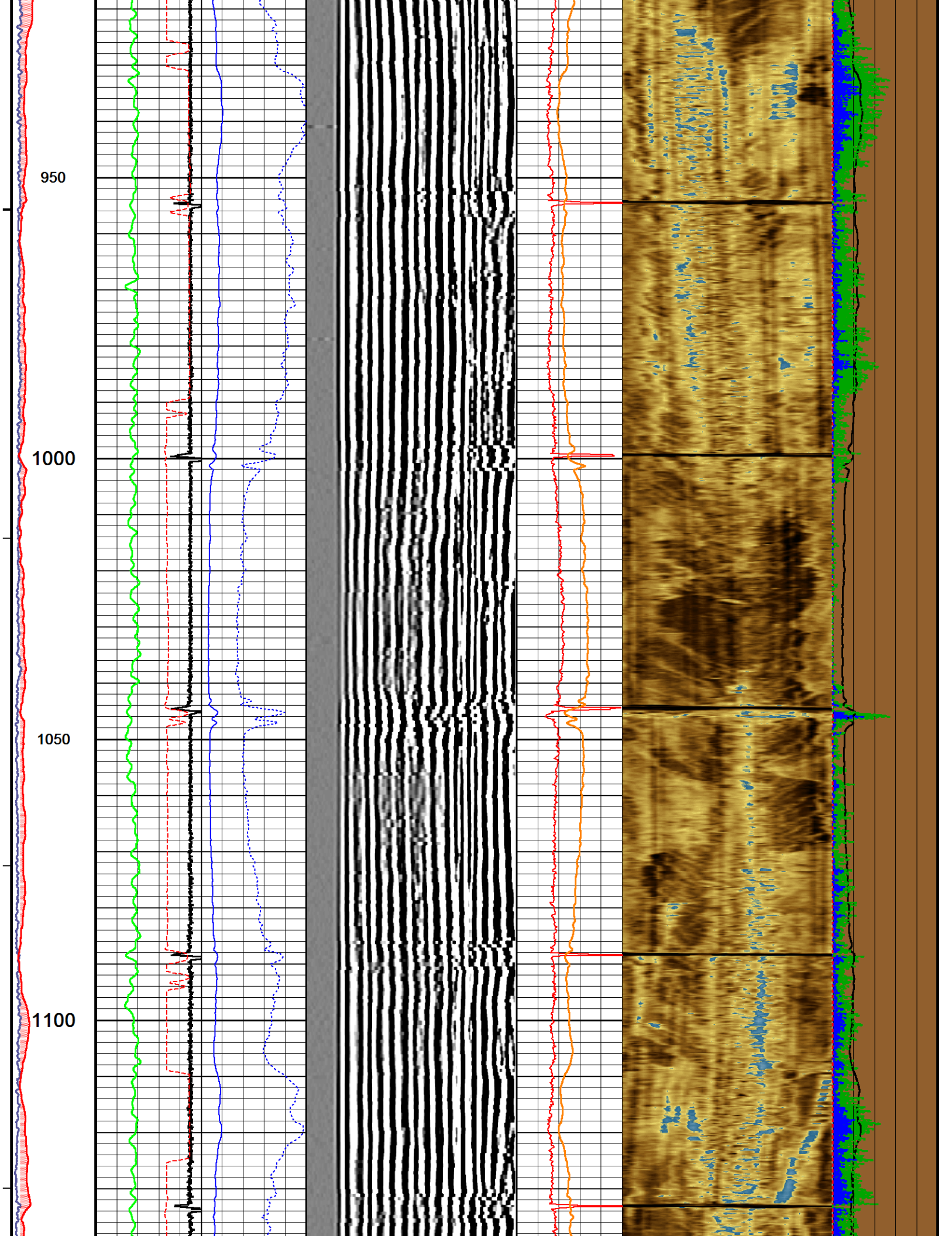


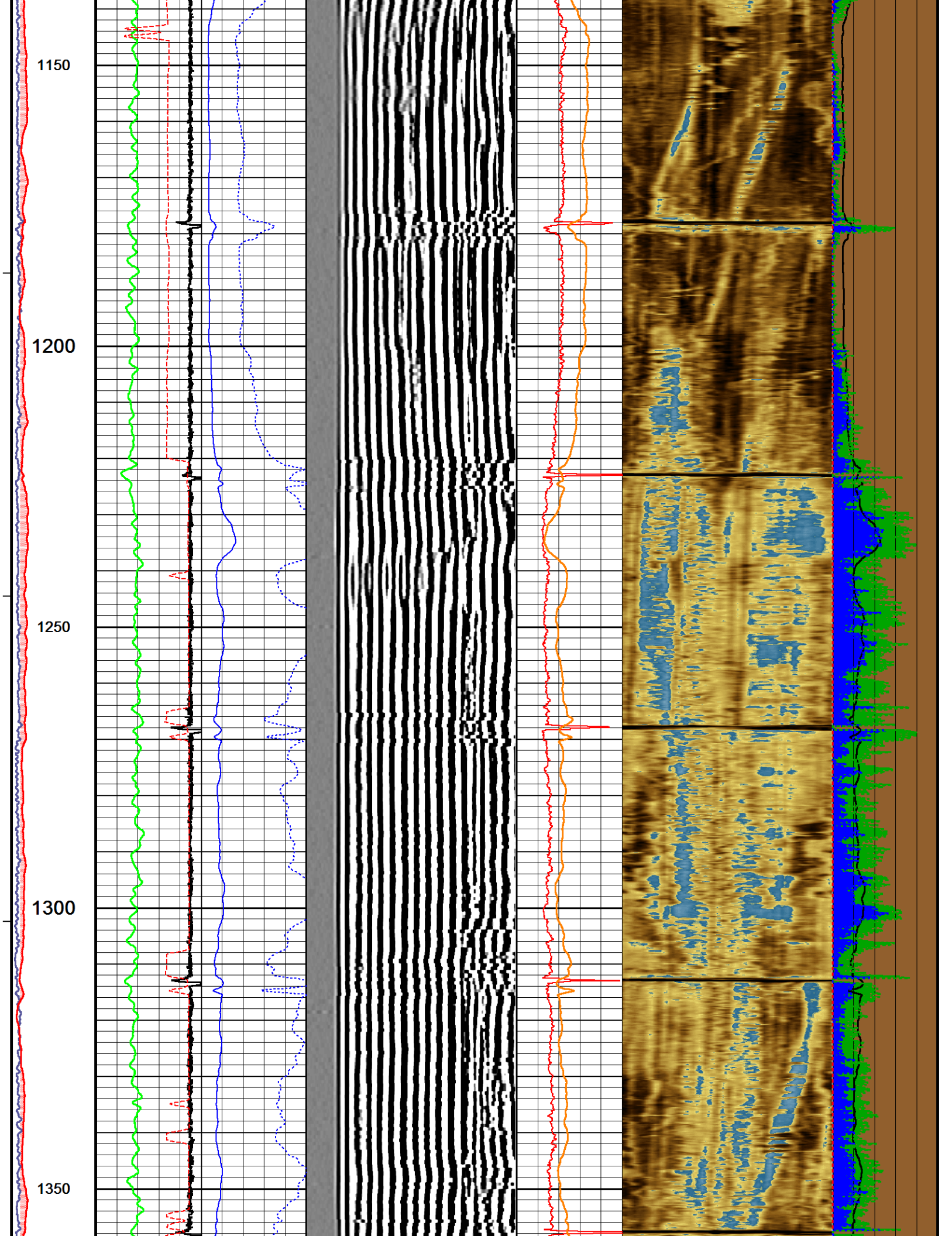


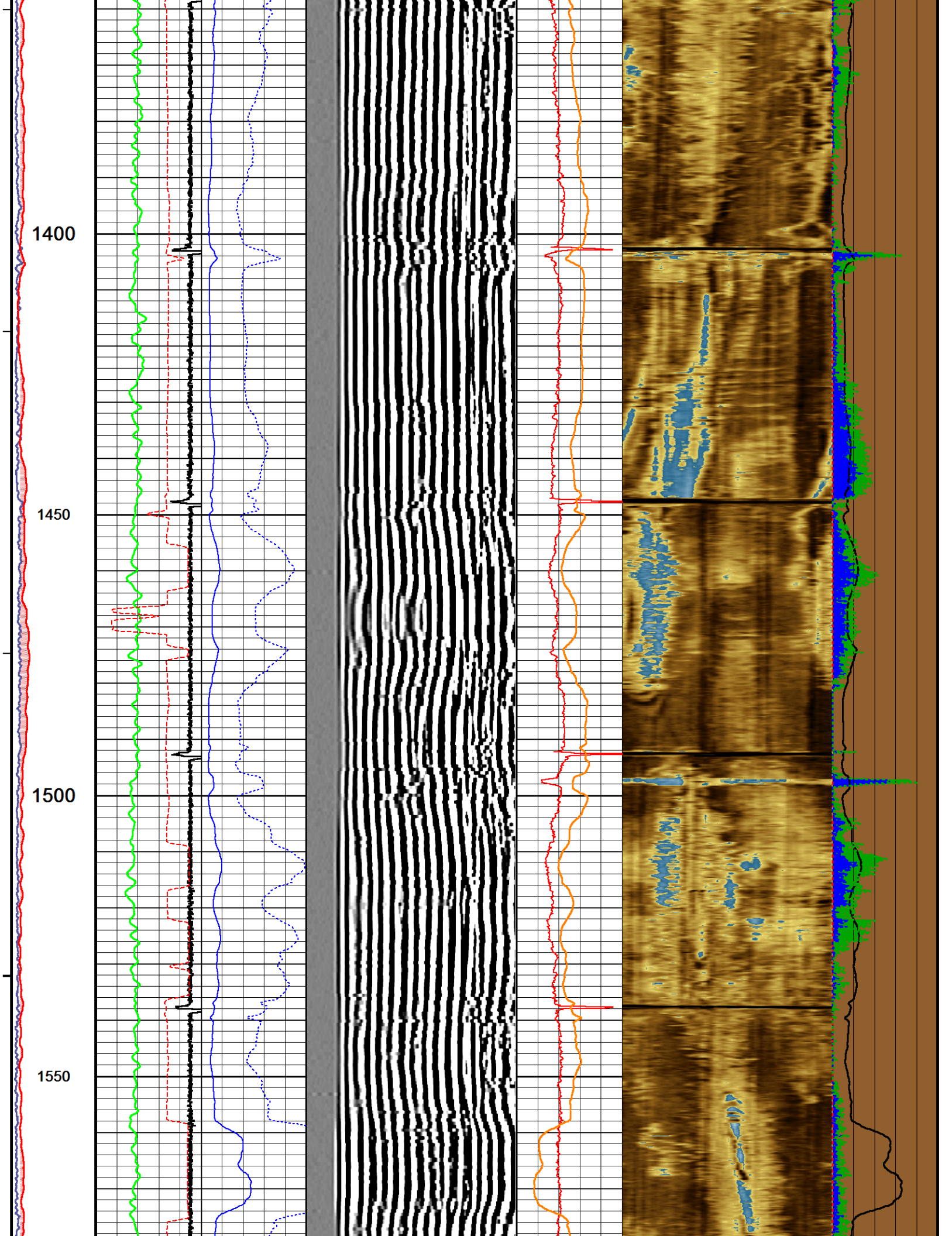


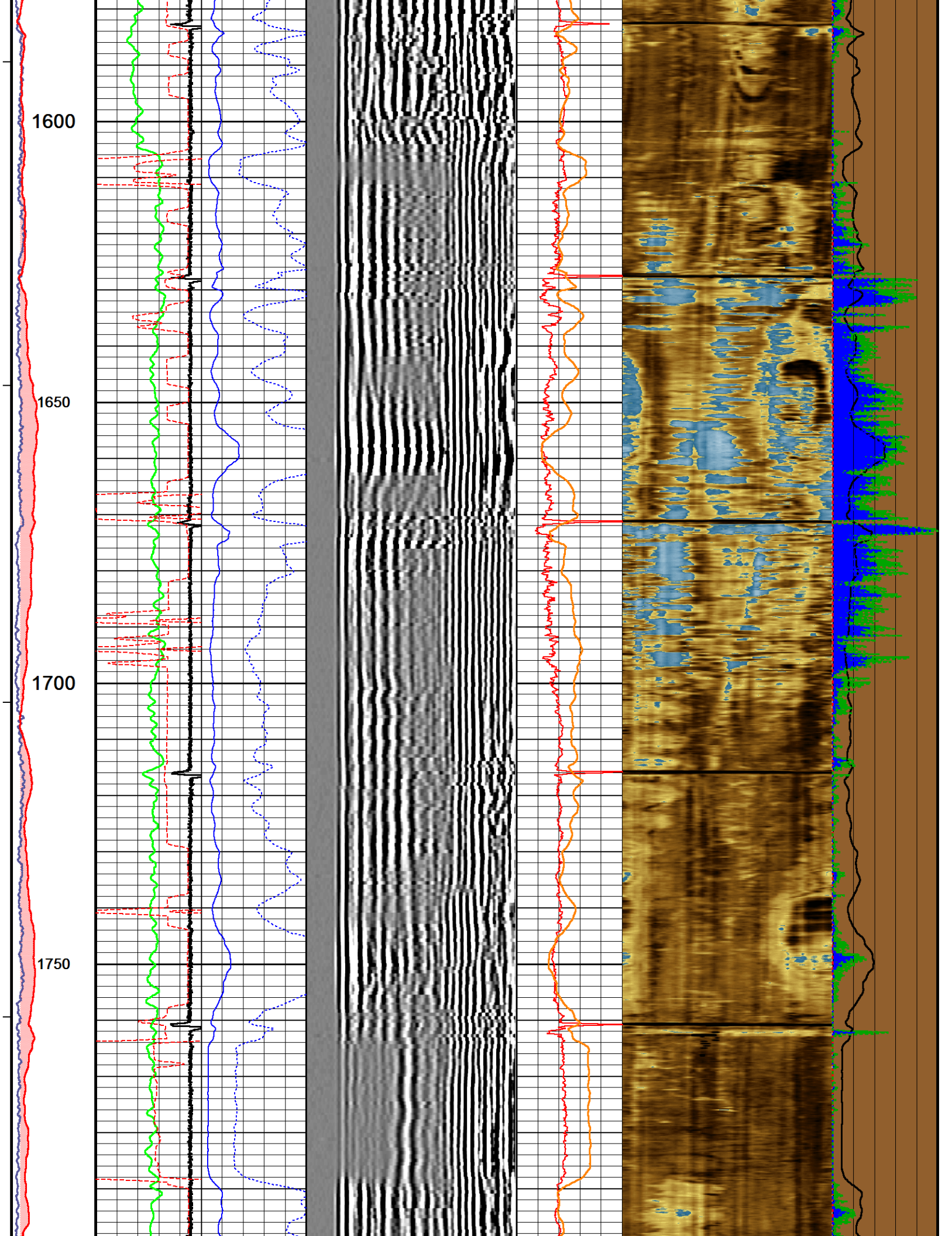


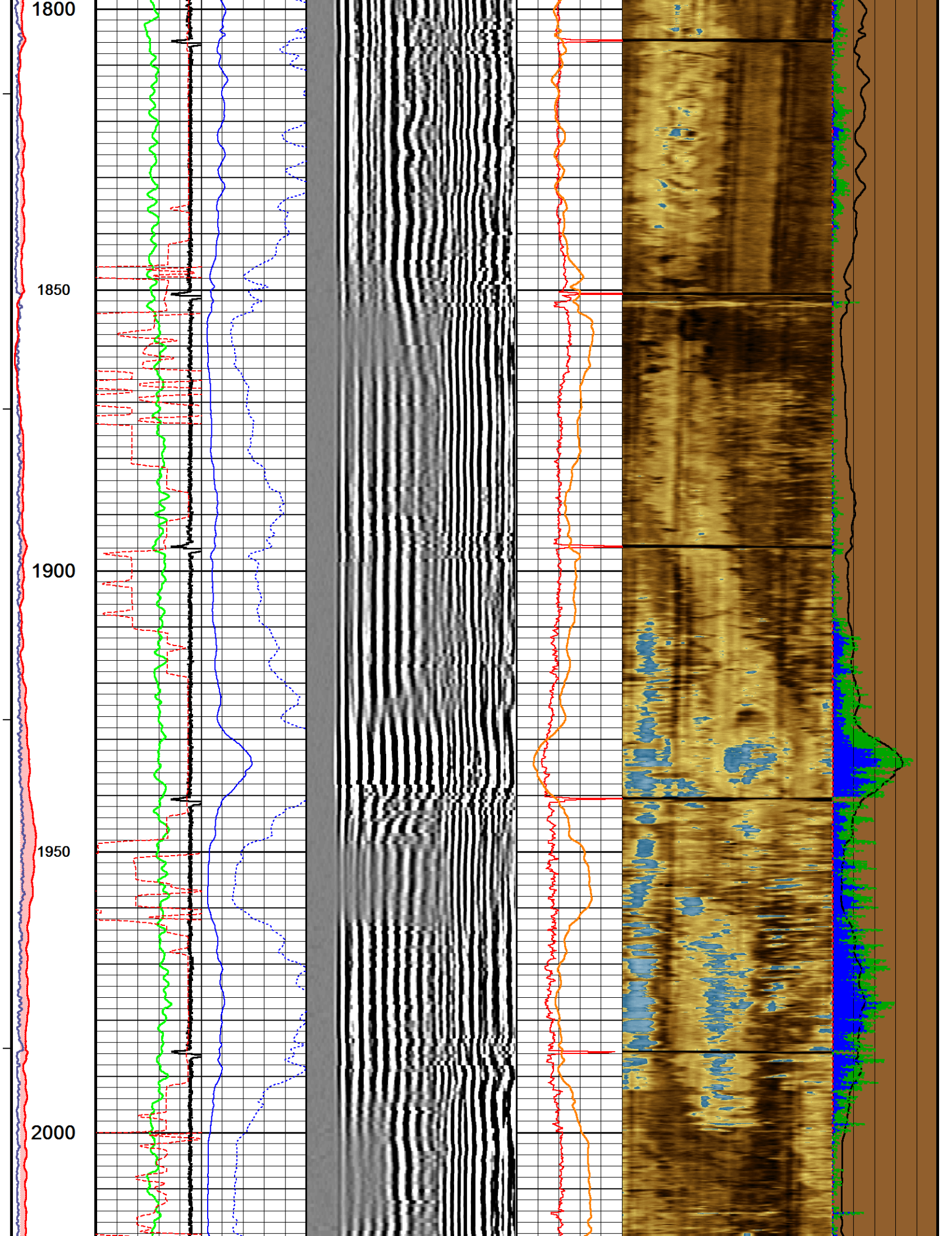


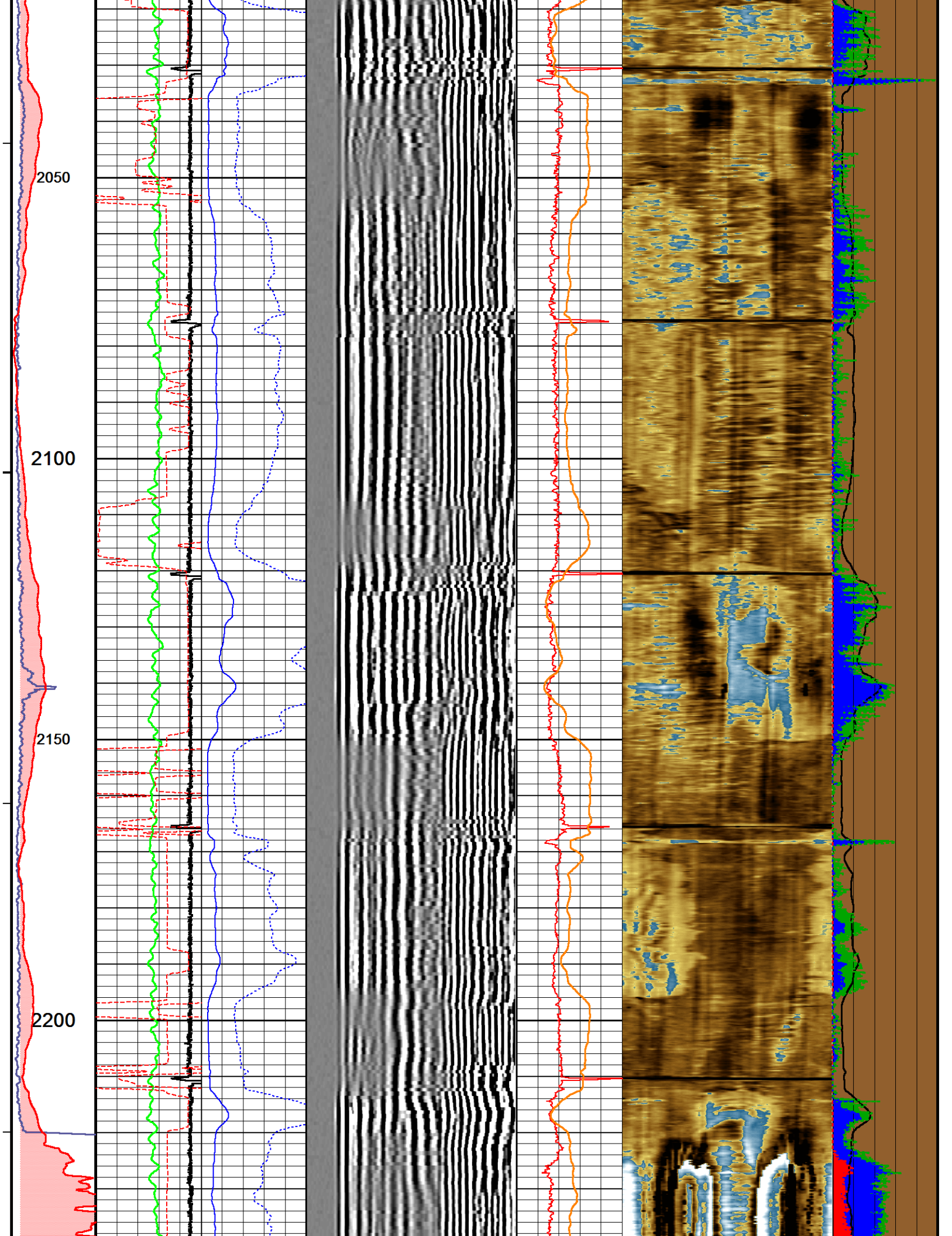


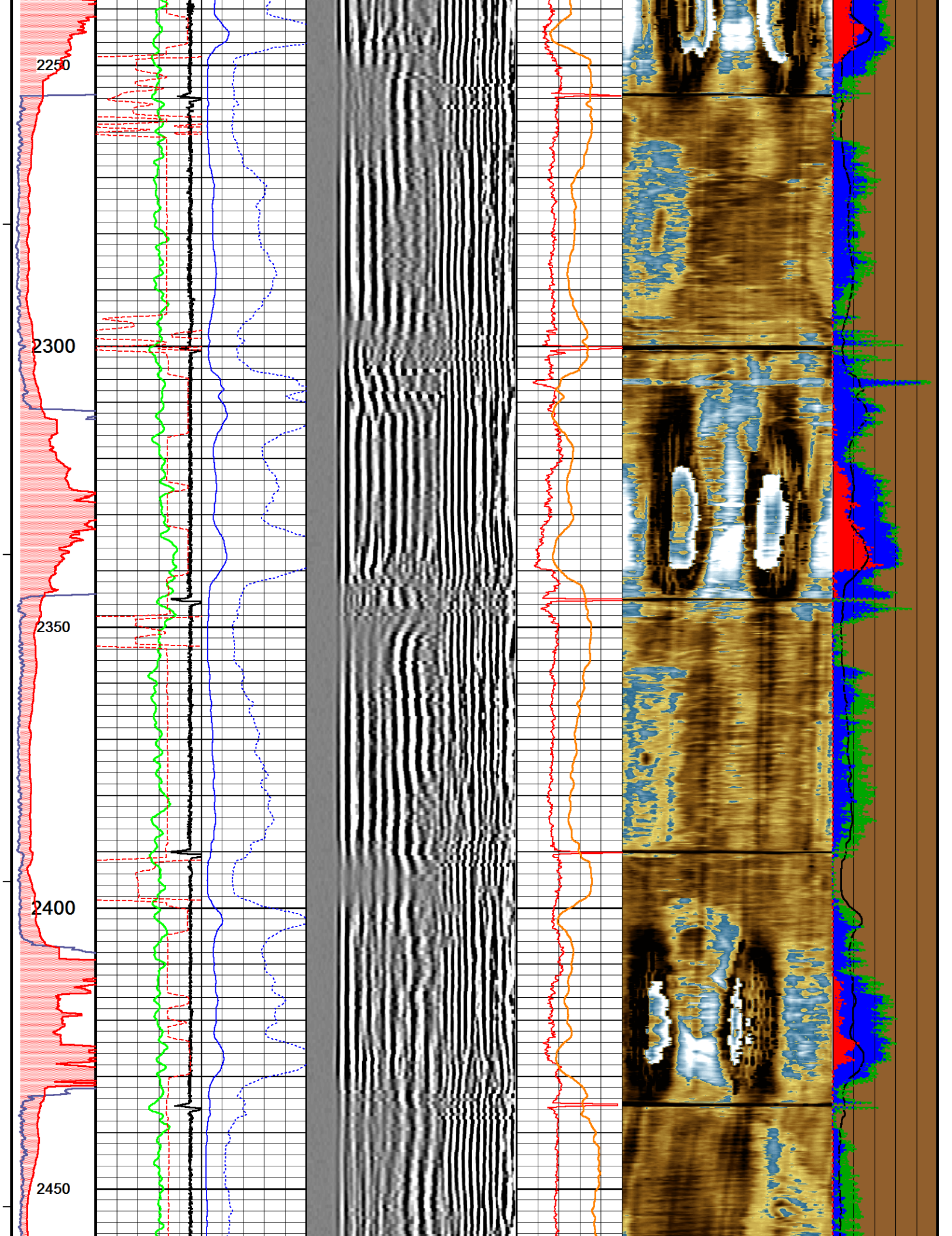


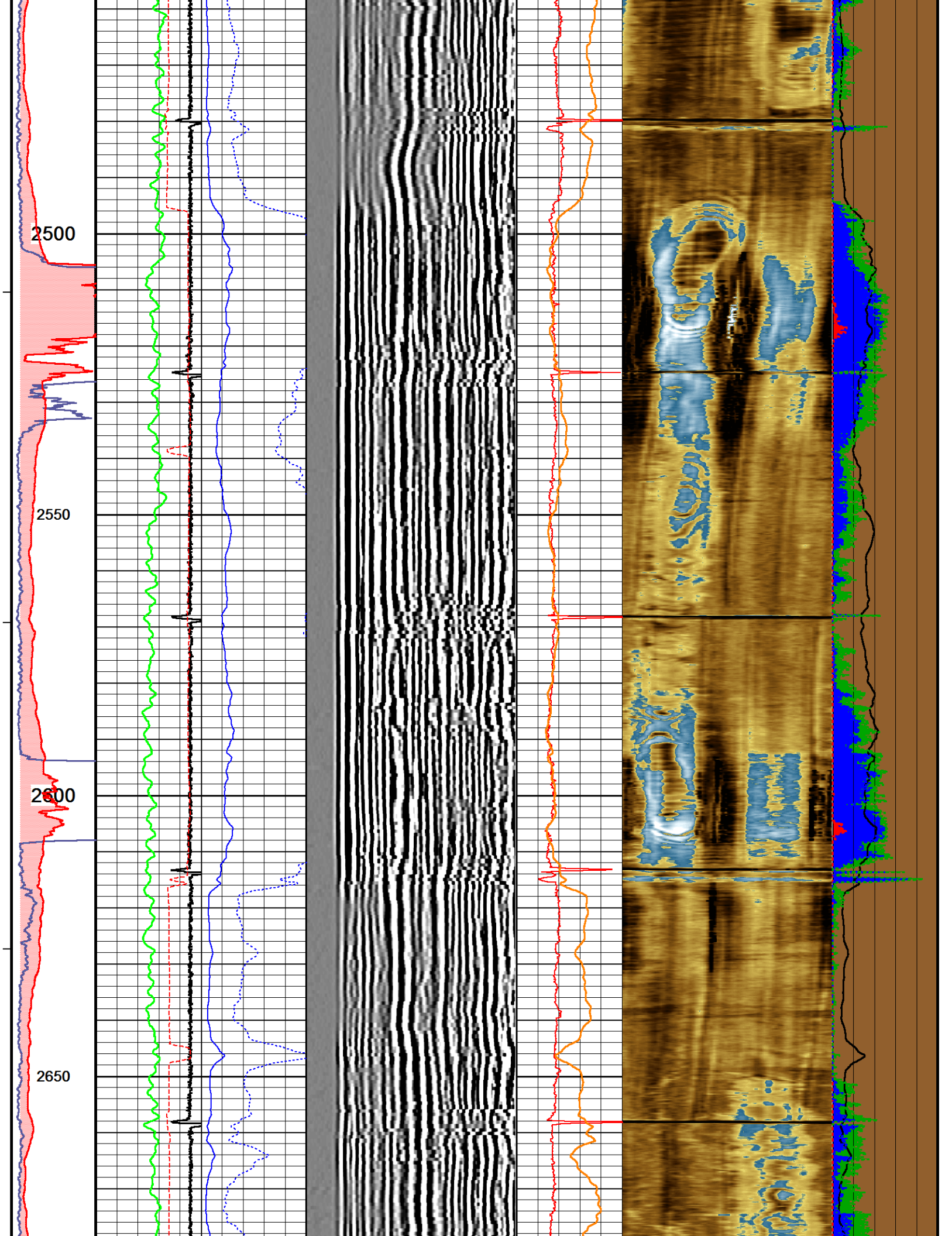


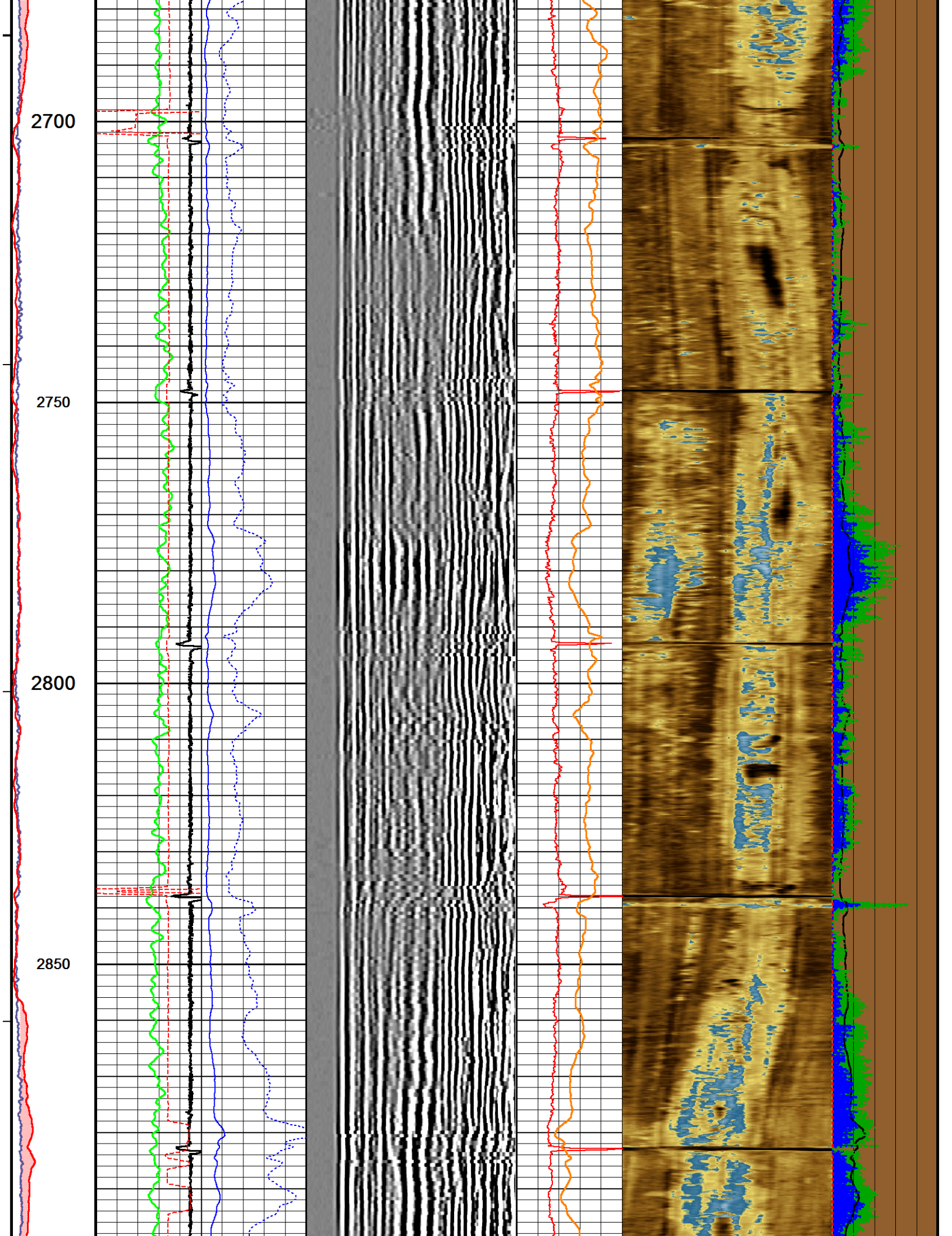


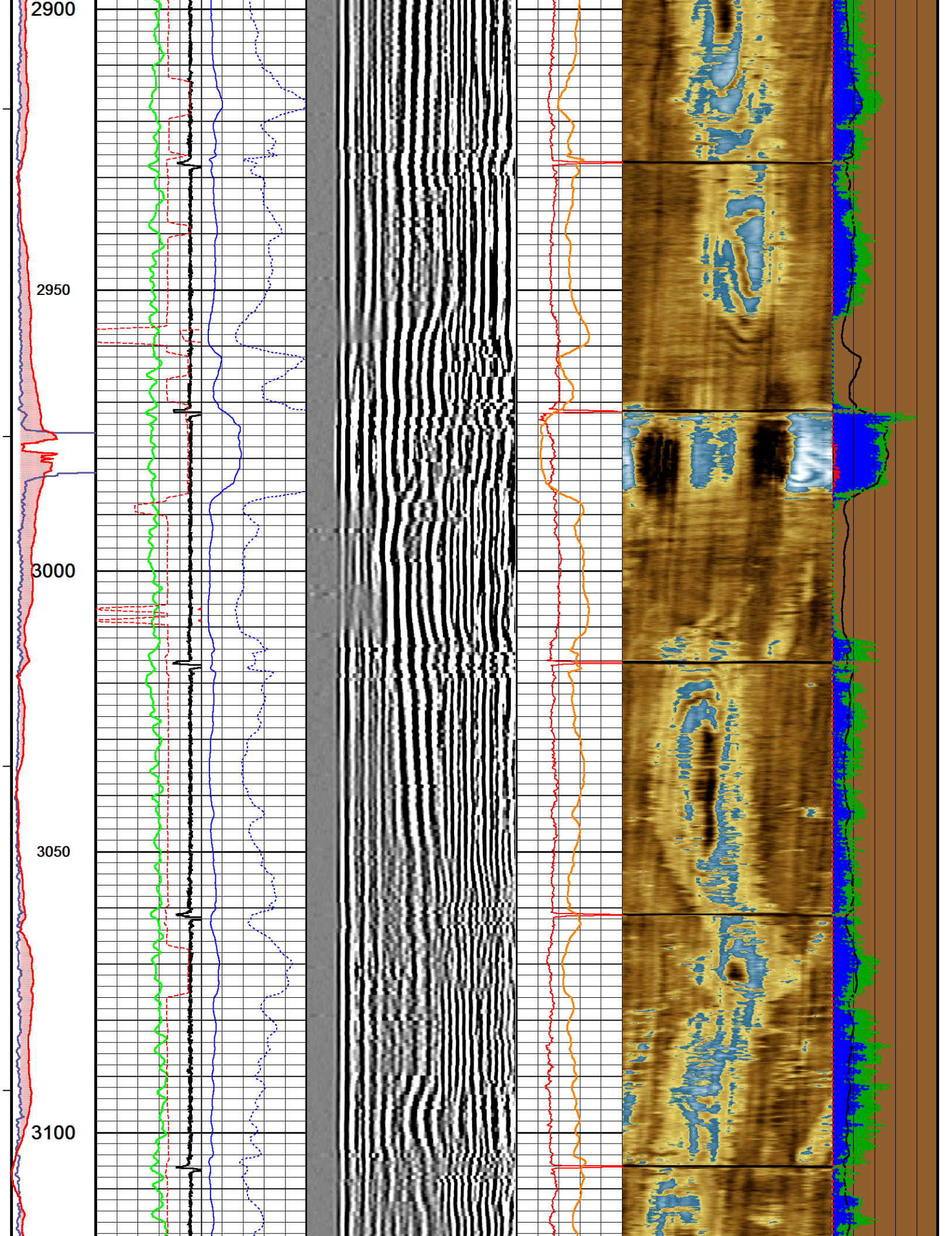


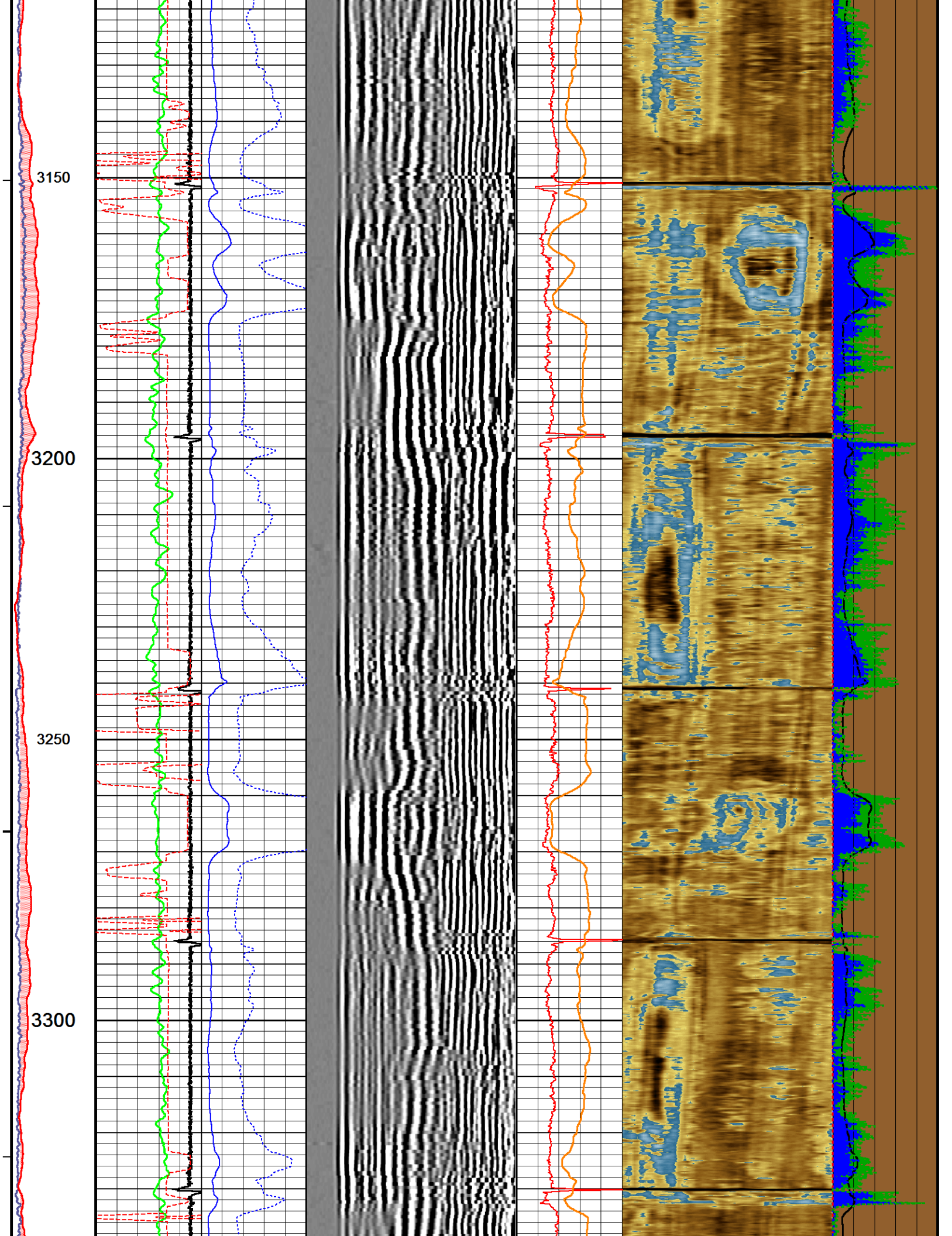


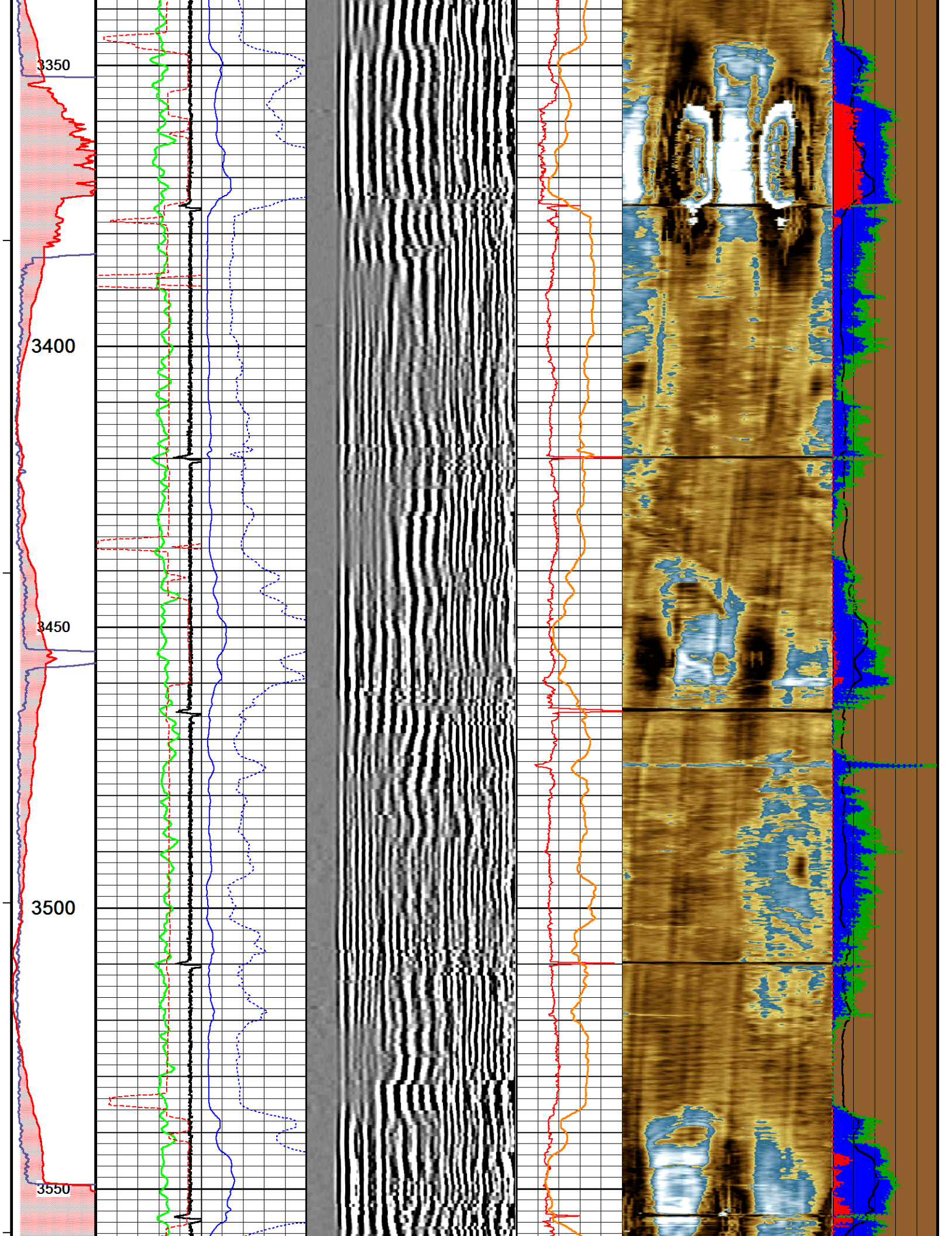


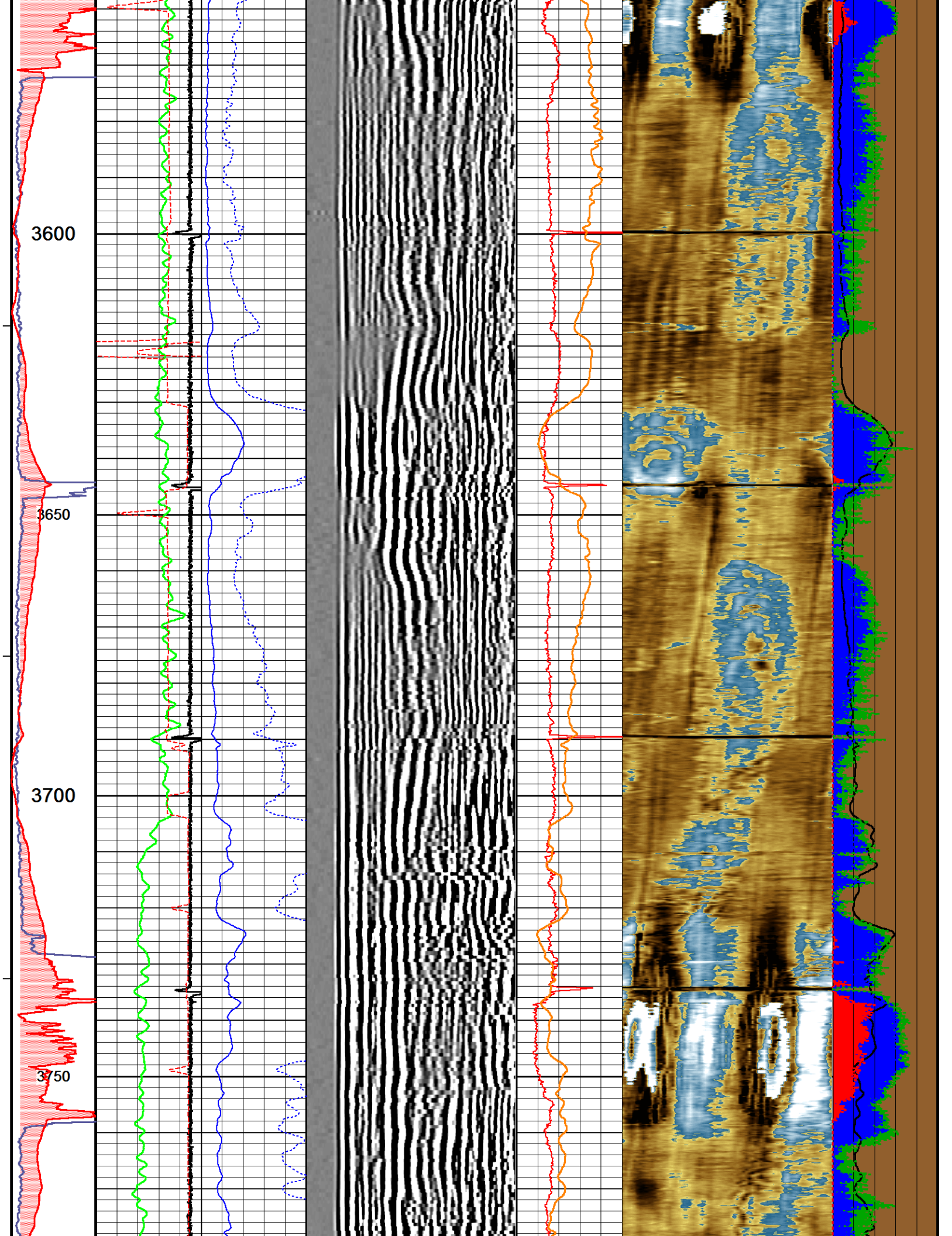


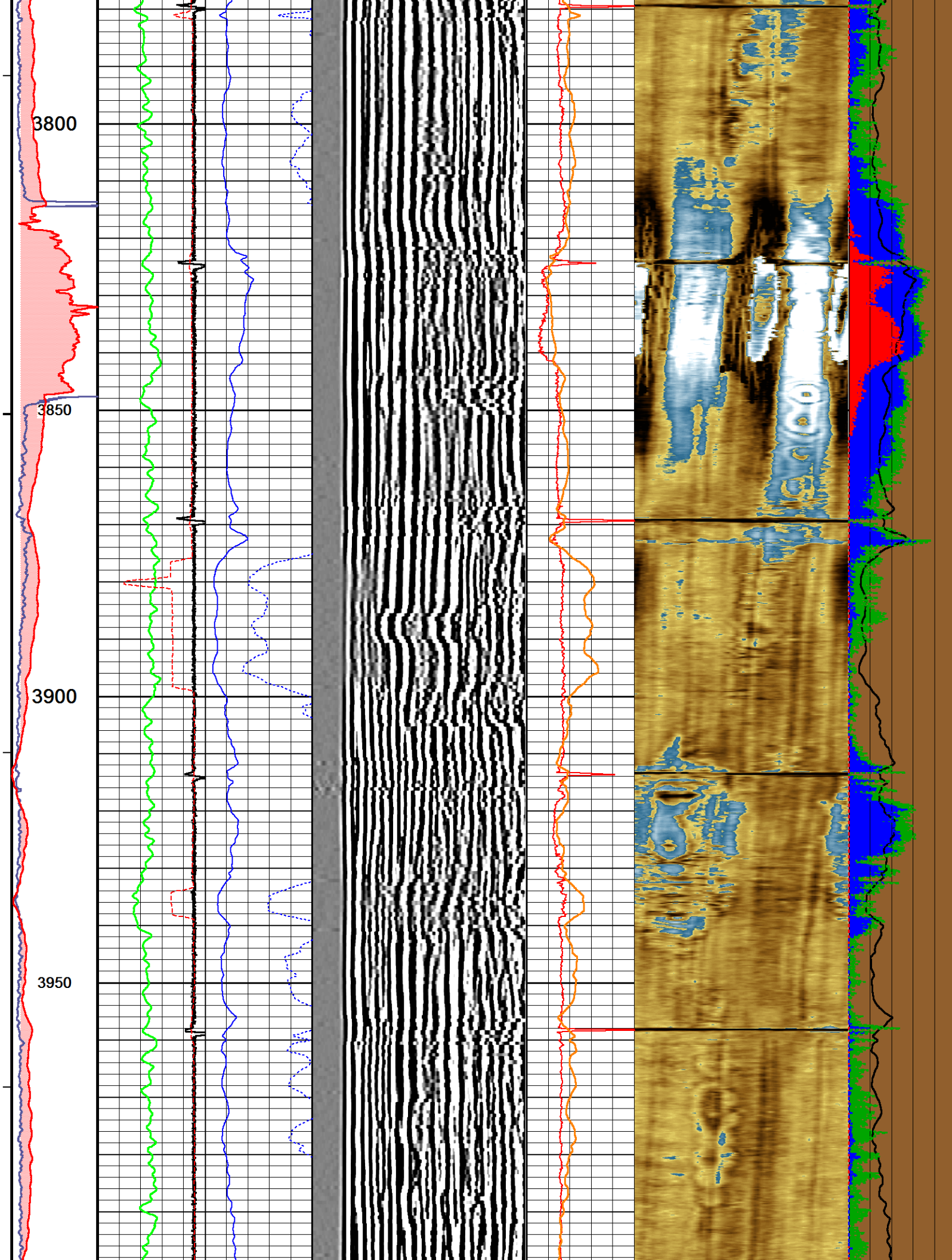


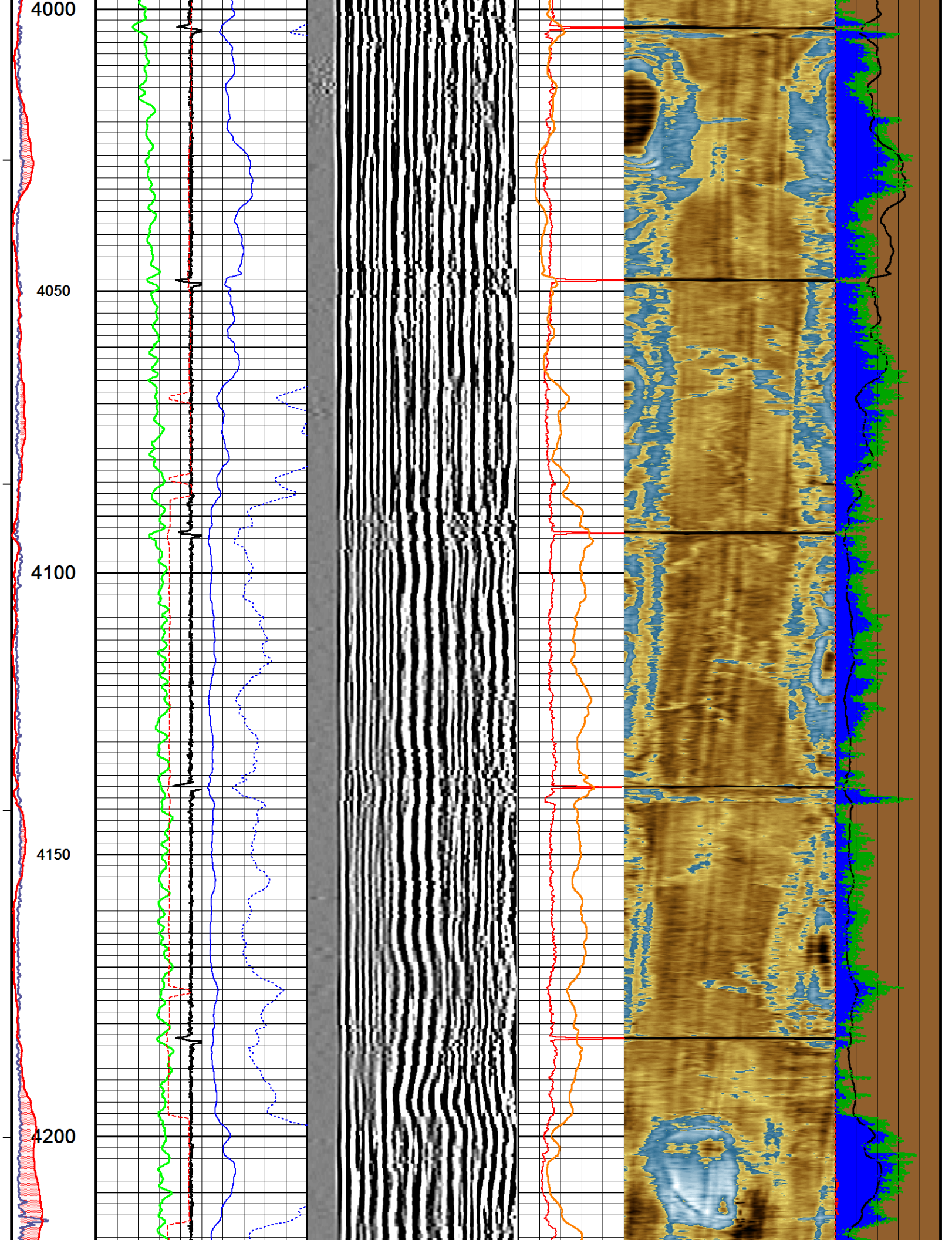


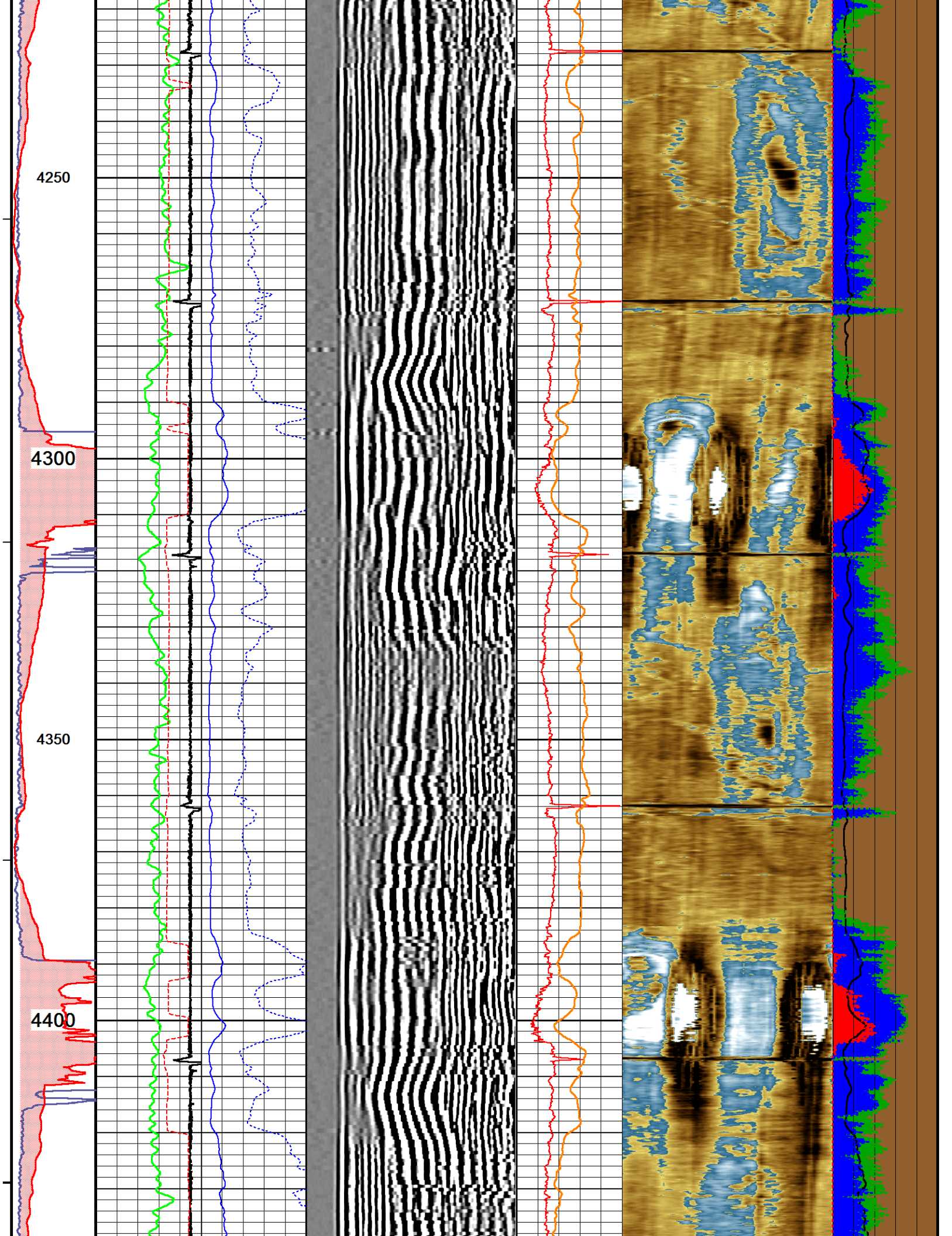


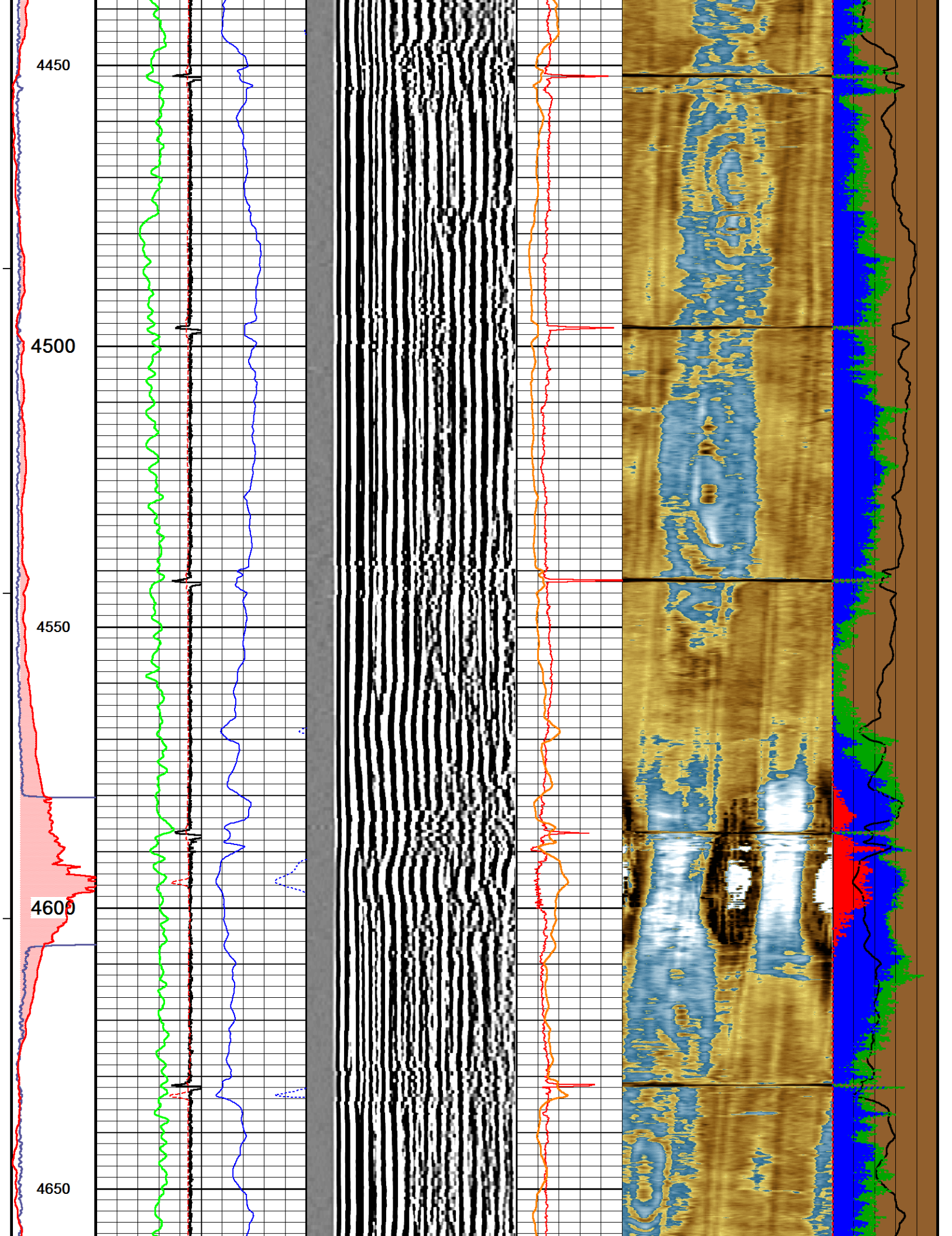


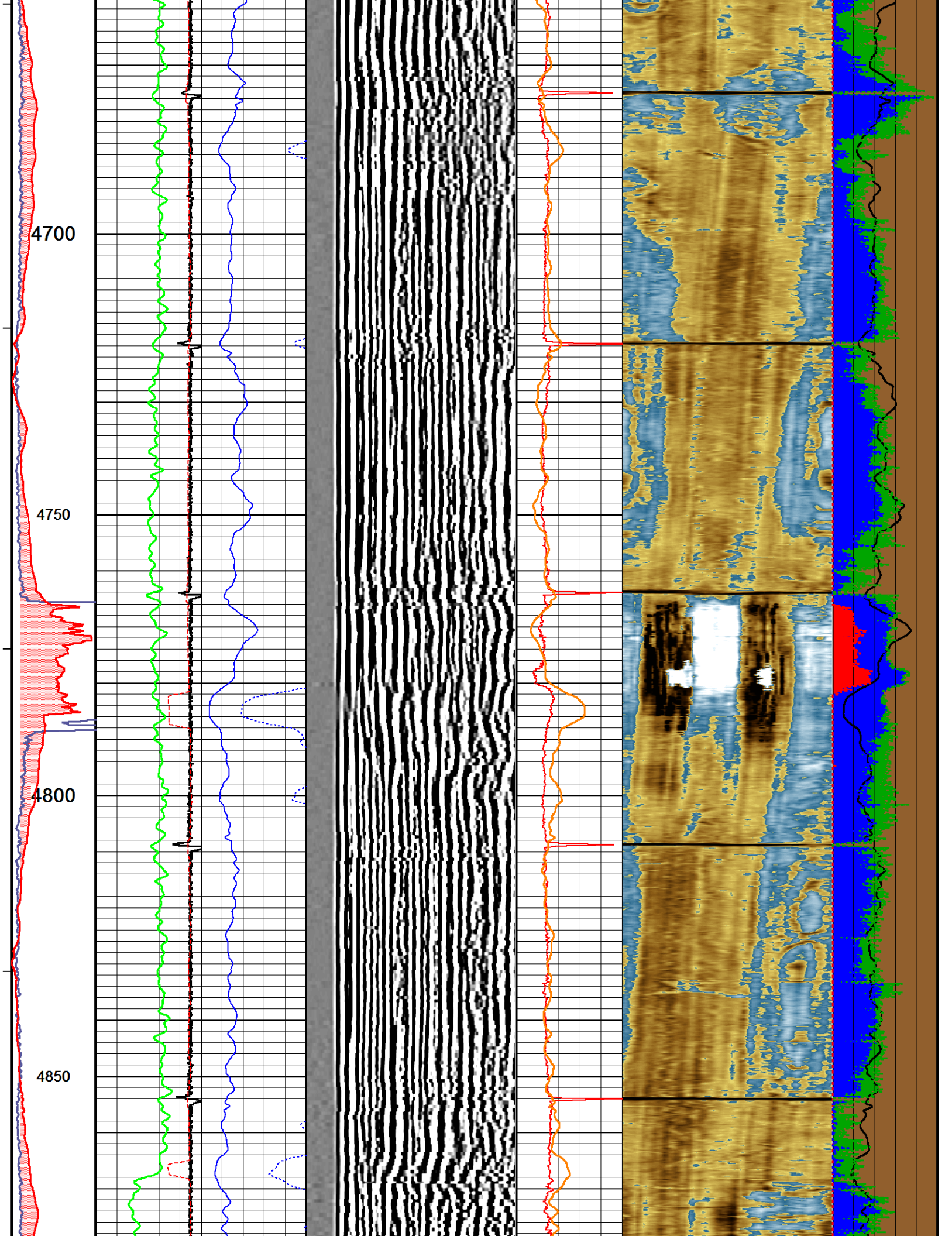


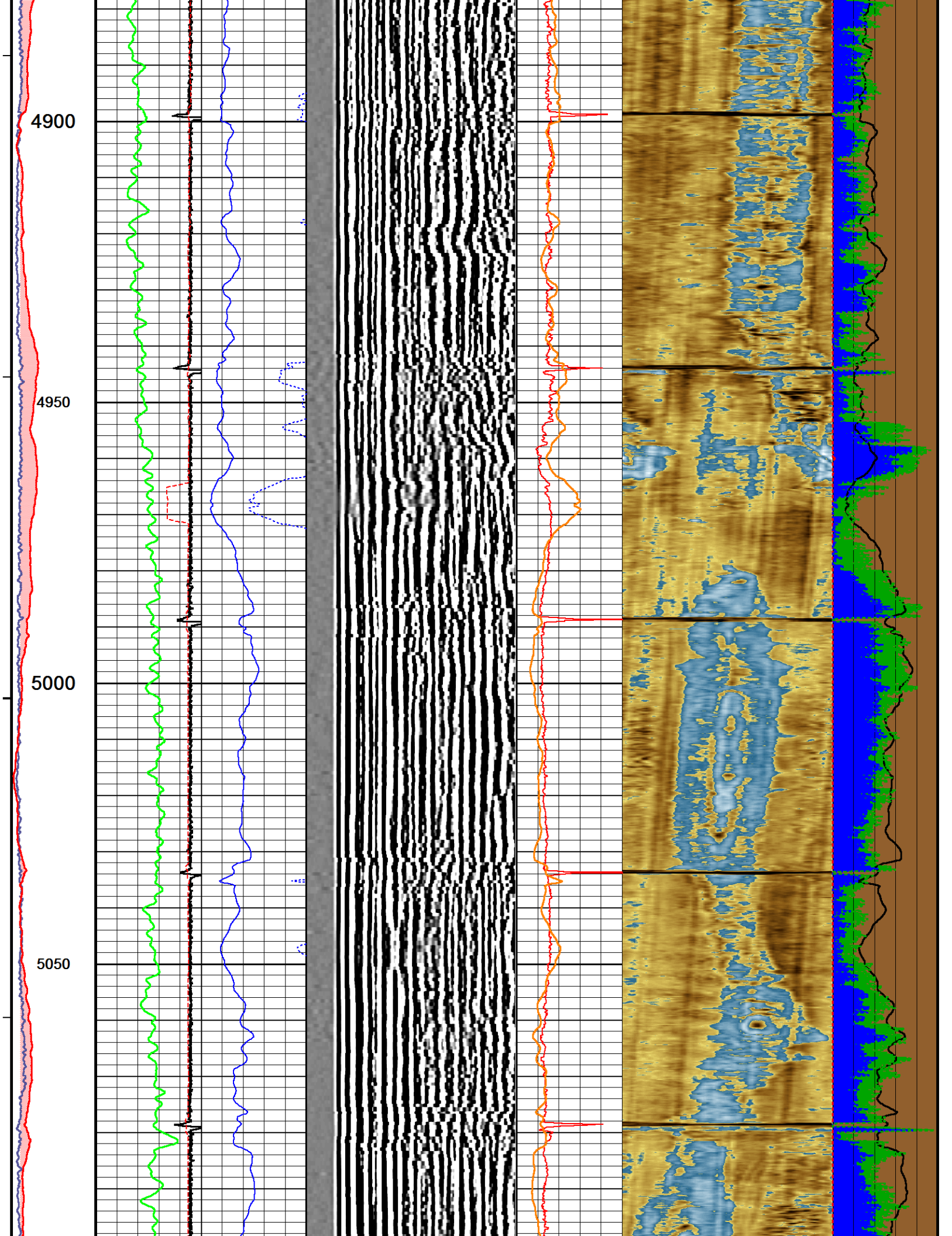


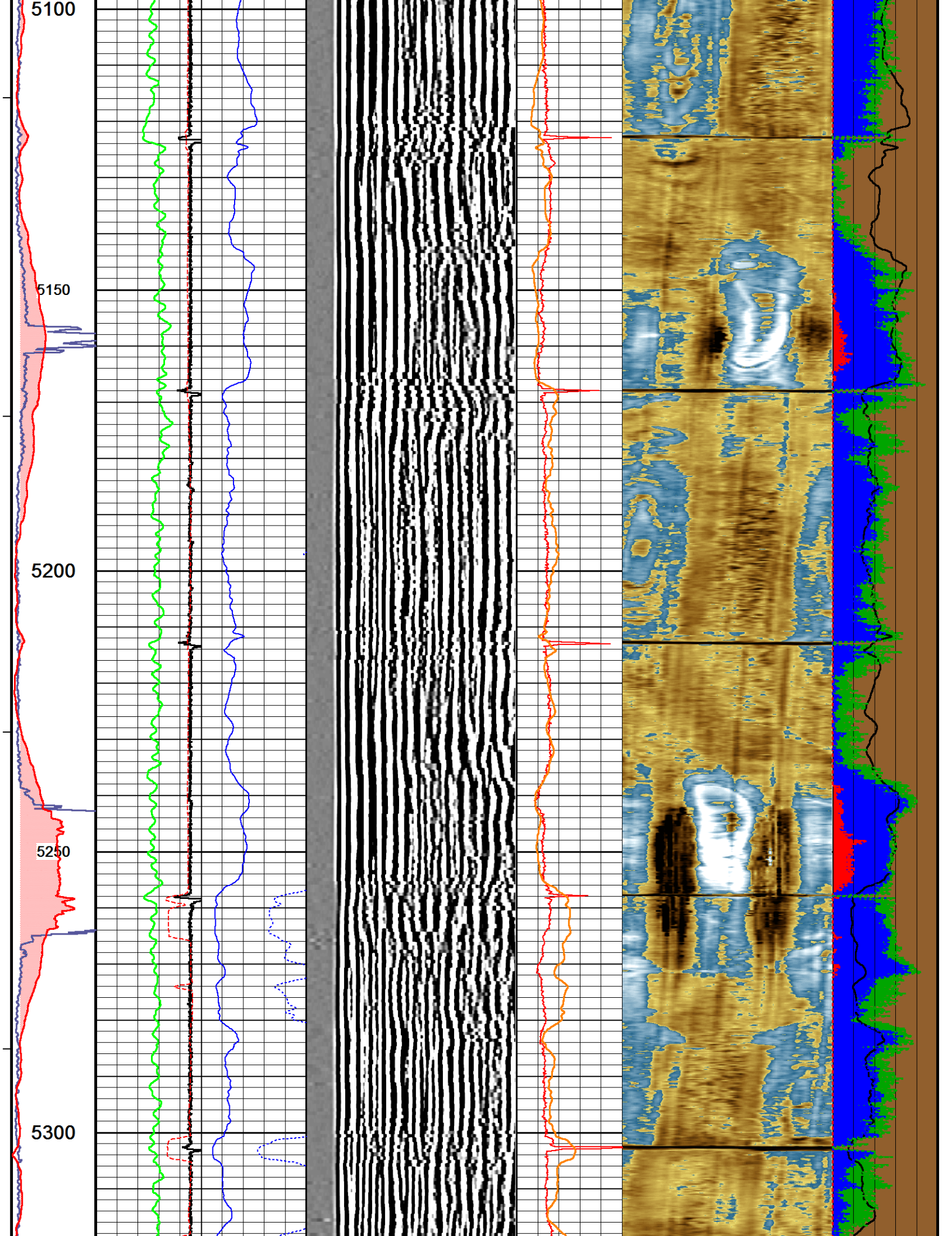


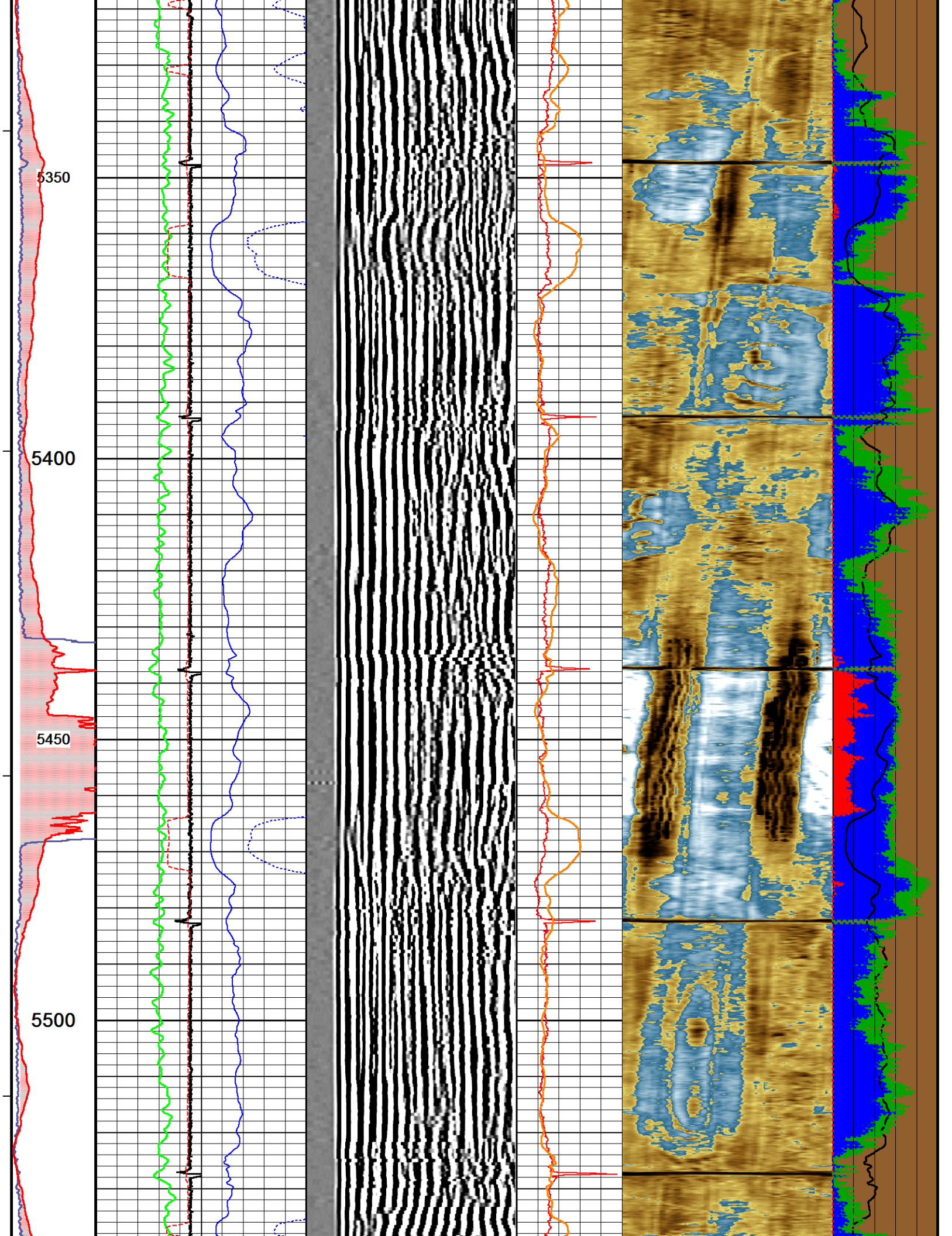


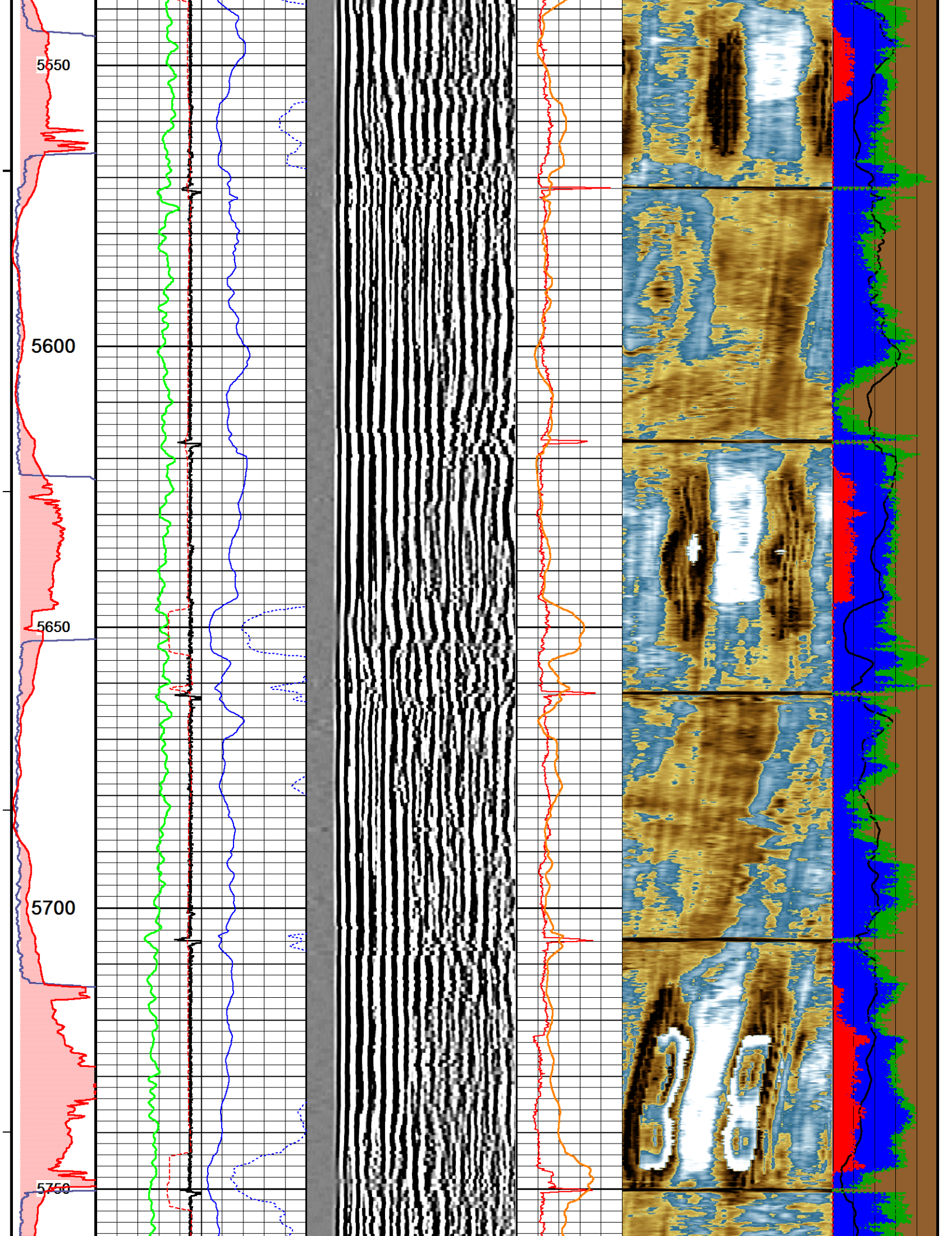


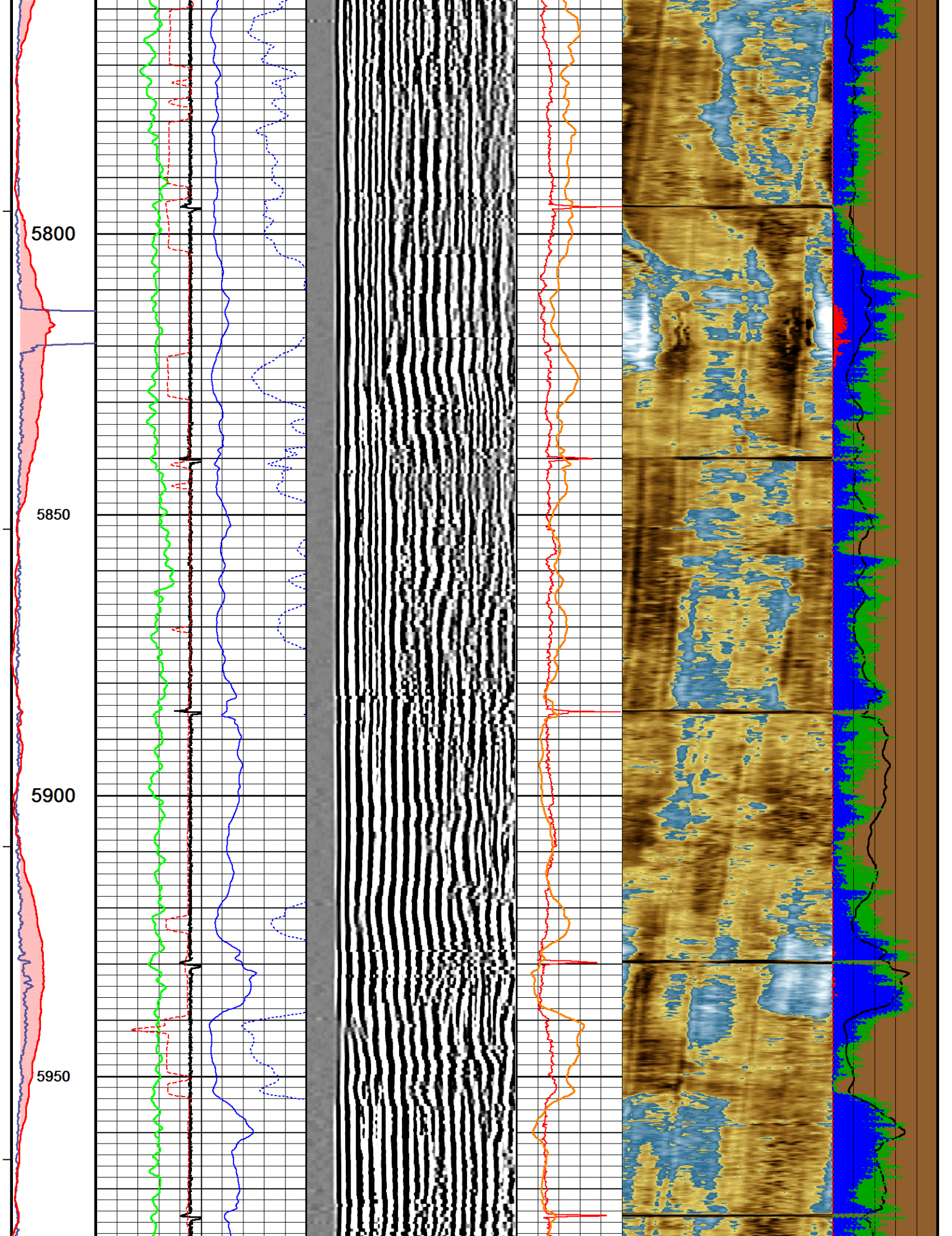


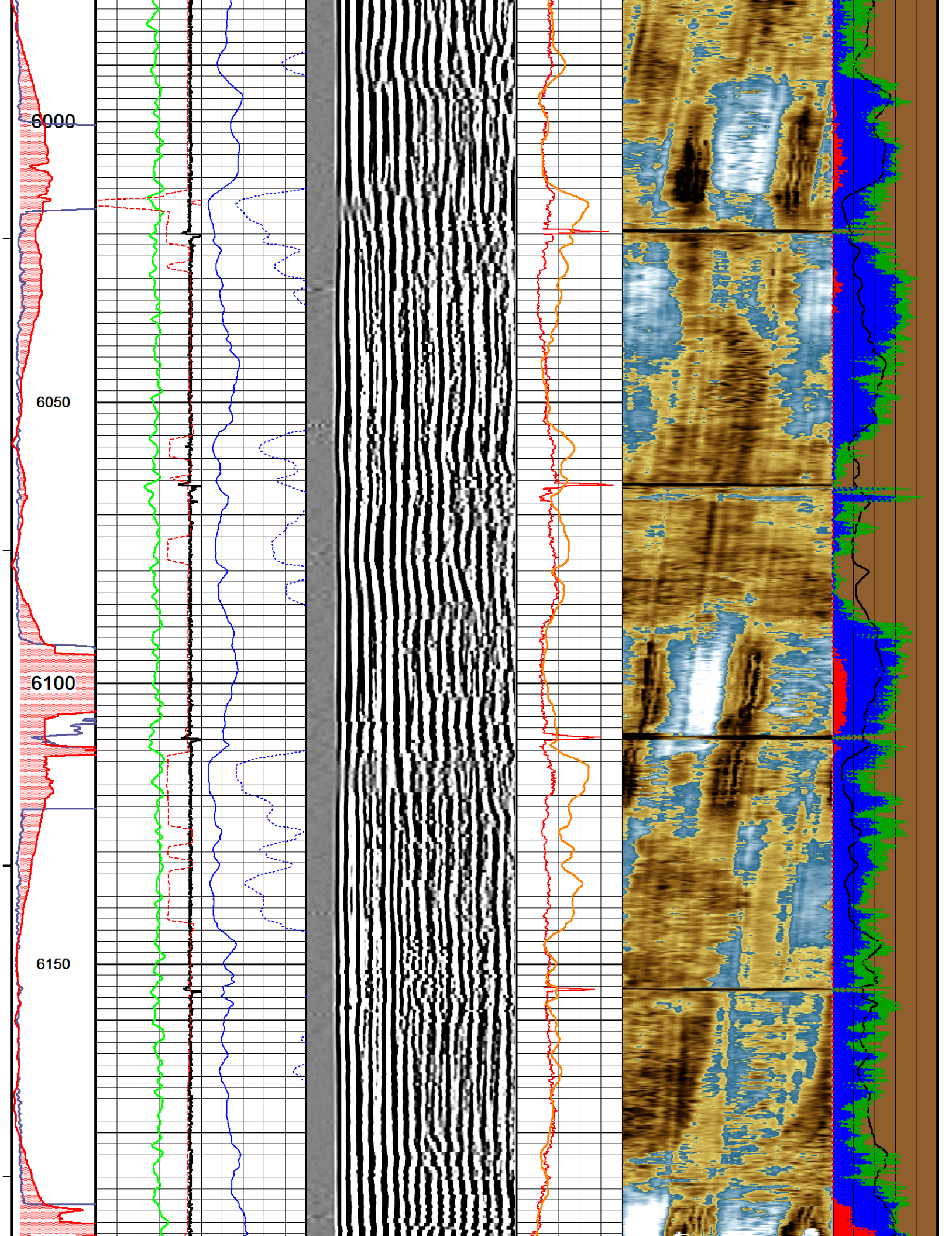


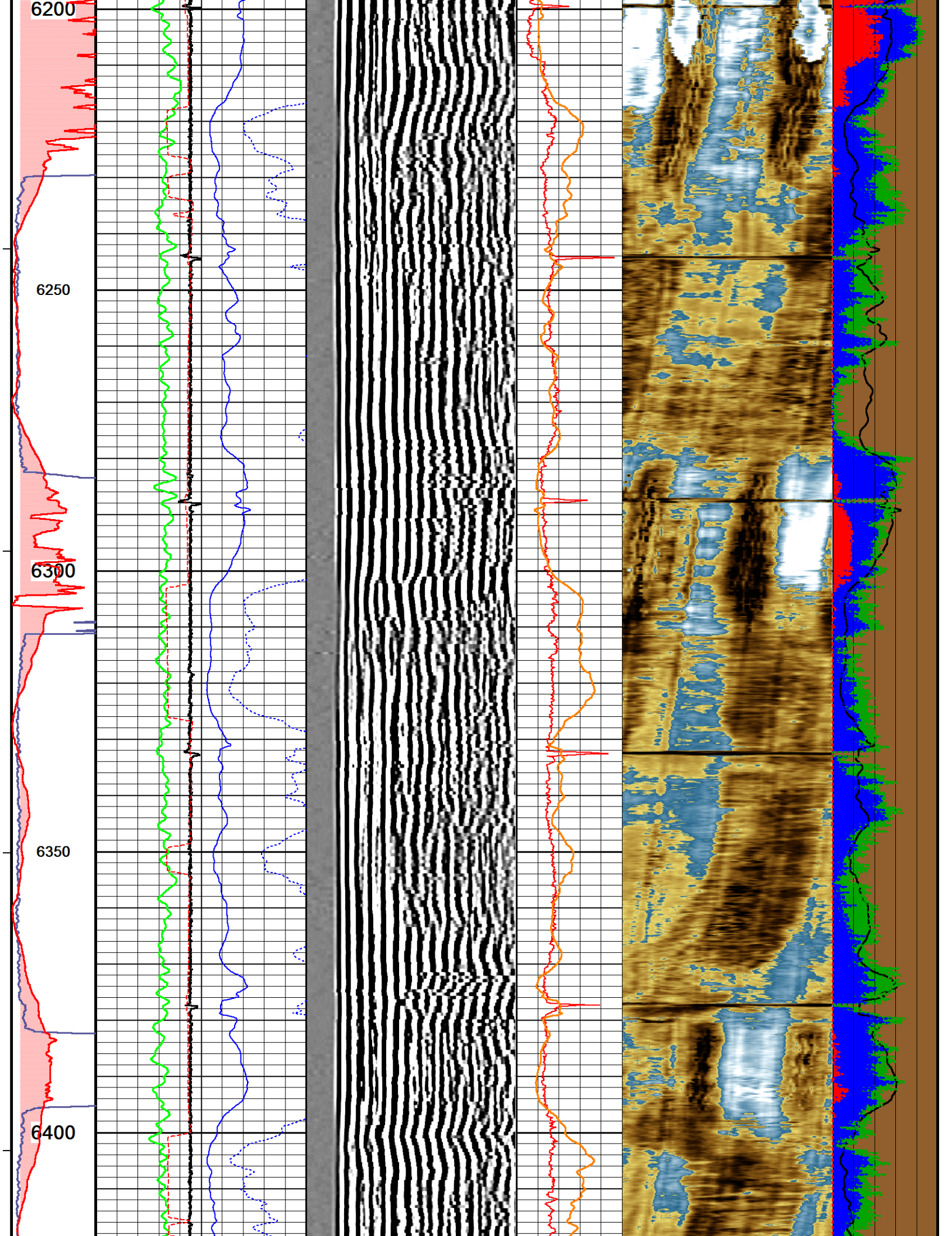


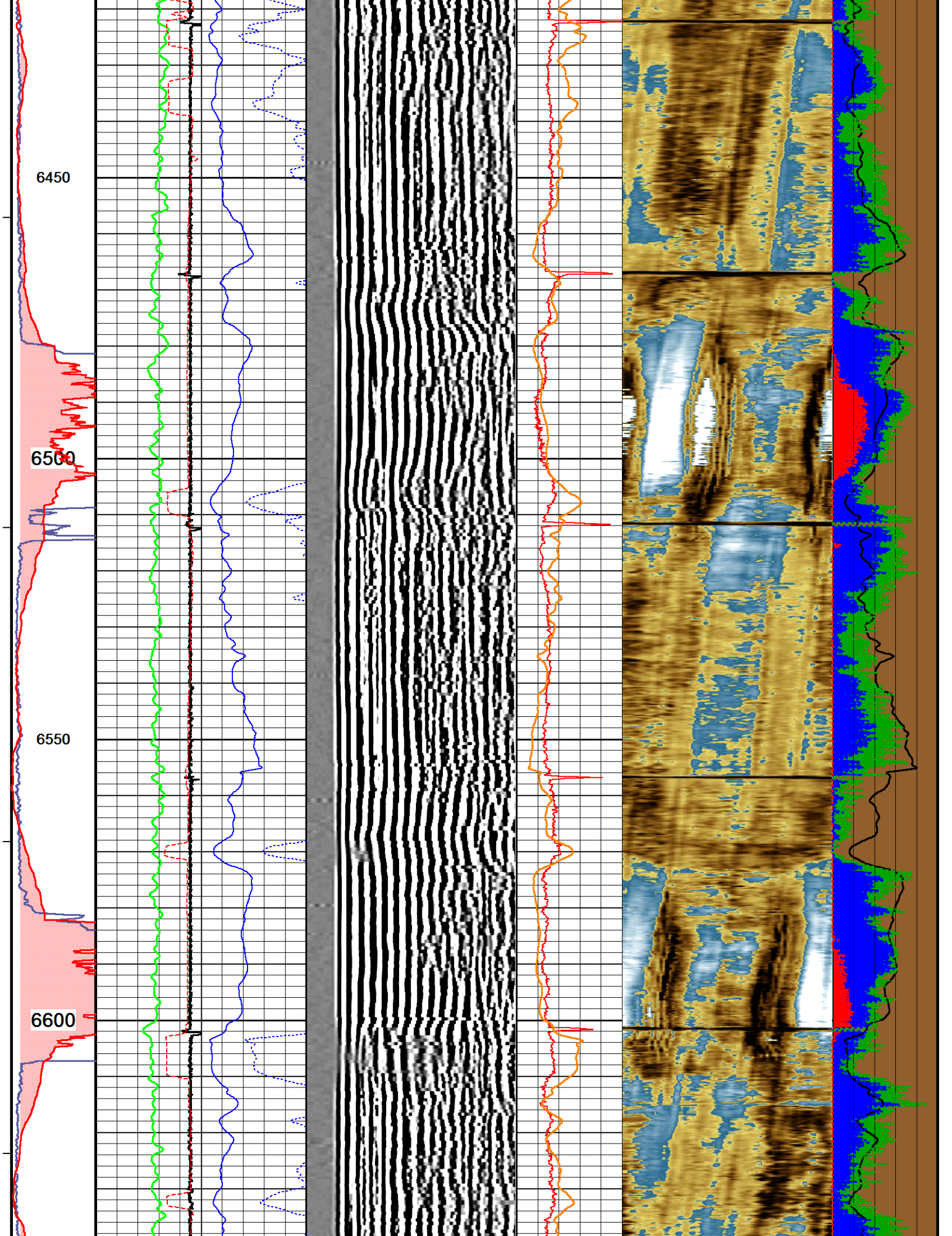


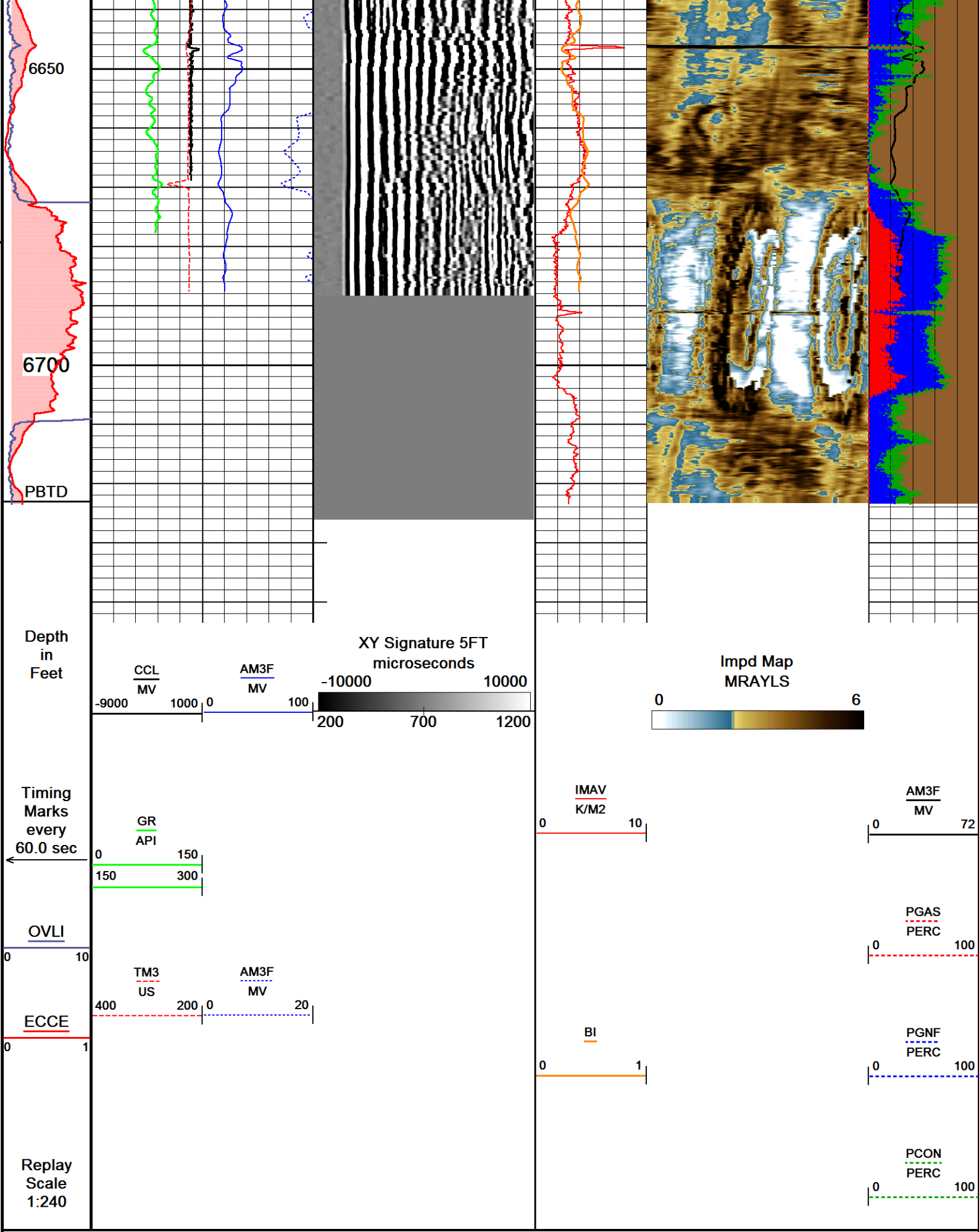














SHOP AND FIELD CALIBRATIONS

C:\Users\le197426\Desktop\EXTRACTION\WINDER SOUTH #8\WINDER SOUTH #8 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
Calibrator No: TH 047

Serial No: 223

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	493.90
AMP 5 FT	100 % Bond	1.20	0.00
	Free Pipe	36.00	408.30

CBT Constants CBT-AA 101

Last Edited on 18-NOV-2016 11:29

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

	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 18-NOV-2016 11:29

*** 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	3.90

** 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	1556.00	5.50	36.00	1.50	1.50	0.36	1.00
0.00	16963.00	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	OFF
RB Offset Angle	0.00 DEG
Cement Density	14.00 LB/G

DOWNHOLE EQUIPMENT

C:\Users\le197426\Desktop\EXTRACTIONWINDER SOUTH #8\WINDER SOUTH #8 MAIN PASS_001.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 128 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in



Swivel Head 55 pin
SWH-CC 173 LG: 2.72 ft WT: 77.2 lb OD: 3.346 in

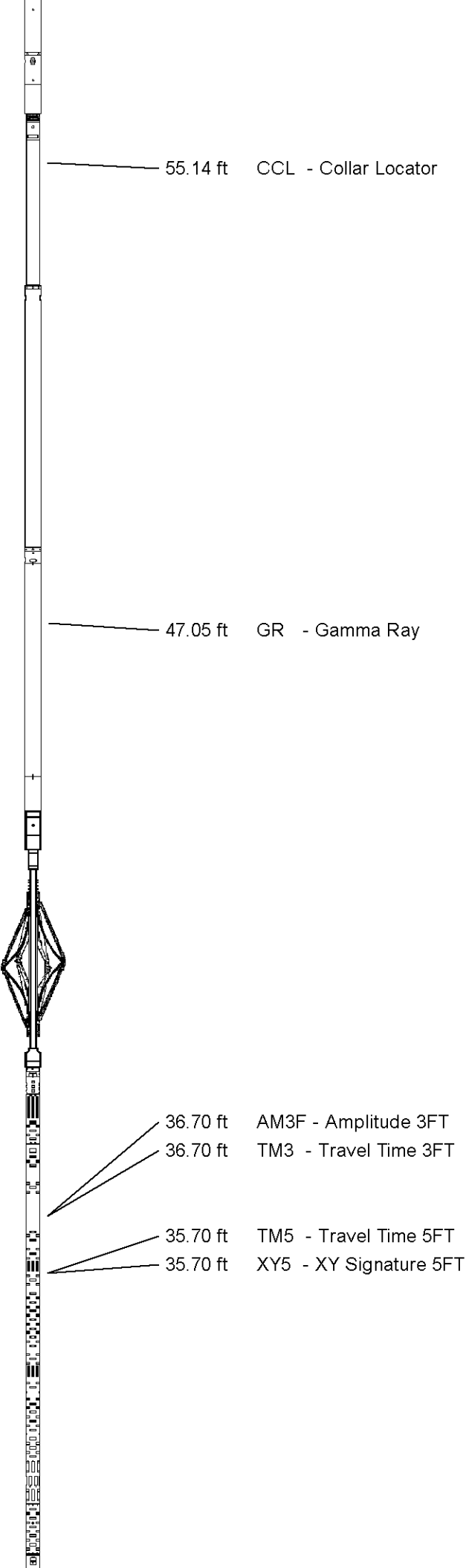
Casing Collar Locator, 55 pin
CCL-WA 142 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

Communication Cartridge 55pin 3-3/8in
WCC-DA 125 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

55 pin Roller Centralizer
CEN-XA 162 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Cement Bond Tool
CBT-AA 101 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in



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

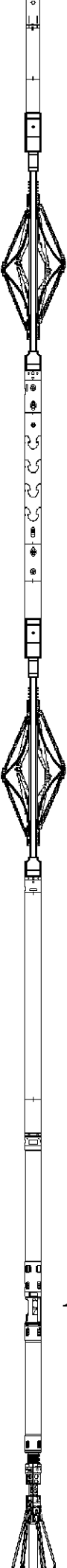
55 pin Roller Centralizer
CEN-XA 221 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

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

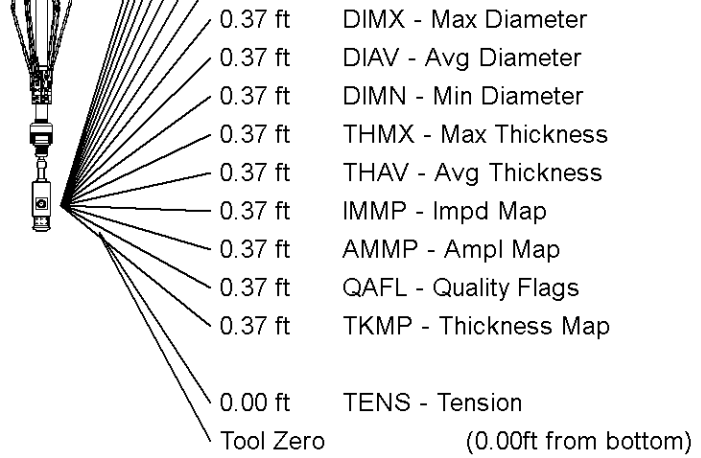
Ultrasonic Radial Scanner Head A
USH-AB 136 LG: 1.03 ft WT: 13.2 lb OD: 3.386 in

Total Length: 60.78 ft Weight: 1031.8 lb



7.65 ft IMRF - Mud Impedance
7.65 ft MUdT - Mud Slowness

0.37 ft THMN - Min Thickness
0.37 ft ARMX - Max Area
0.37 ft ARAV - Avg Area
0.37 ft IMMX - Max Impedance
0.37 ft IMAV - Avg Impedance
0.37 ft IMMN - Min Impedance
0.37 ft ECCE - Eccentering
0.37 ft OVLI - ID Ovality



All measurements relative to tool zero.

COMPANY EXTRACTION OIL & GAS
 WELL WINDER SOUTH #8
 FIELD WATTENBERG
 PROVINCE/COUNTY WELD
 COUNTRY/STATE USA / COLORADO

Elevation Kelly Bushing	0	feet	Bottom Log Interval	6723.00	feet
Elevation Drill Floor	0	feet	Depth Driller		feet
Elevation Ground Level	0	feet	Depth Logger	6723.00	feet



SECUREVIEW
 ULTRAVIEW / BONDVIEW
 CEMENT ANALYSIS

Weatherford®