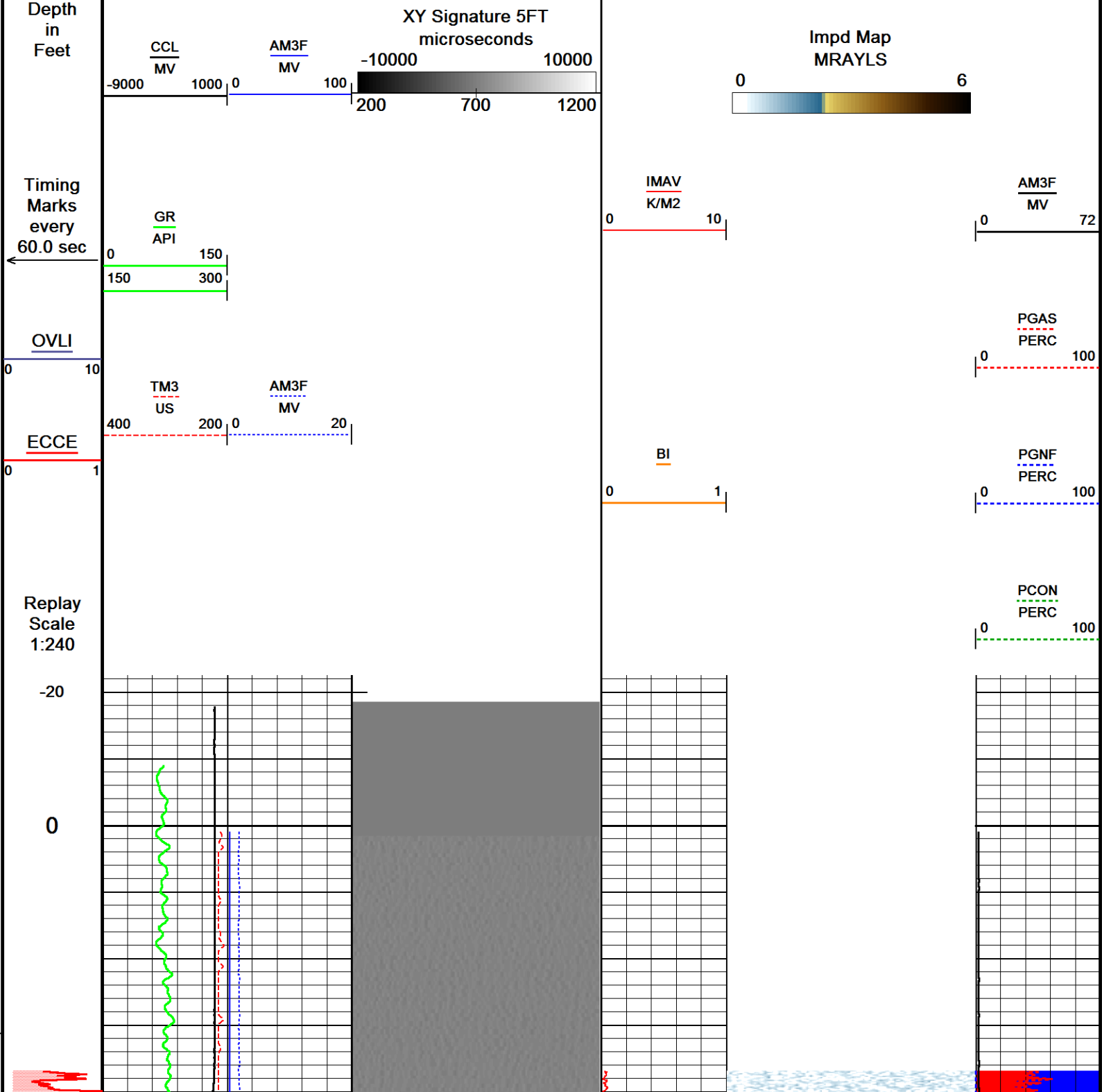
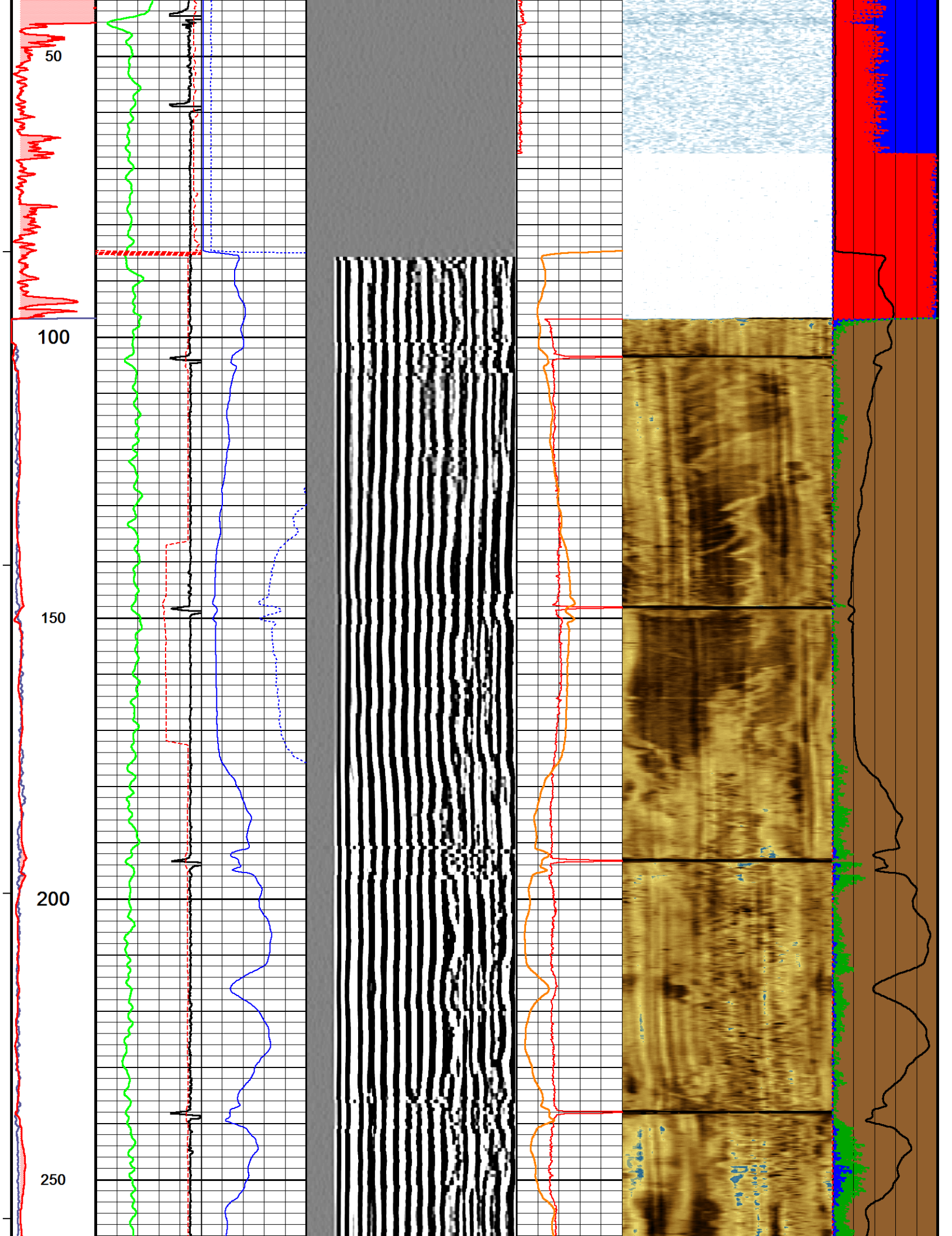
										<div>SECUREVIEW</div> <div>ULTRAVIEW / BONDVIEW</div> <div>CEMENT ANALYSIS</div>									
COMPANY										EXTRACTION OIL & GAS									
WELL										WINDER SOUTH #7									
FIELD										WATTENBERG									
PROVINCE/COUNTY										WELD									
COUNTRY/STATE										USA / COLORADO									
LOCATION										SE NE 9-6N-67W									
SEC 9		TWP 6N		RGE 67W		Other Services													
Latitude																			
Longitude																			
API Number		05-123-43401																	
Permanent Datum GROUND, Elevation feet																			
Log Measured From KB										Elevations: KB 0.00 DF 0.00 GL 0.00									
Drilling Measured From KB																			
Date		16-NOV-2016				PERFORATION RECORD													
Run Number		ONE				Shot		Number		Depth From		Depth To							
Service Order		7145-166443708				Density		of Shots		feet		feet							
Type Log		URS / CBT																	
Depth Driller																			
Depth Logger		6978.00				feet													
Top Log Interval		0.00				feet													
Bottom Log Interval		6978.00				feet													
Hole Fluid Type		WATER																	
Hole Fluid Level		97.00				feet													
Restriction ID		4.778				inches		Gun Type											
Max Recorded Temp		198.00				deg F		Gun Size											
Well Head Pressure		0.00				psia								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						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																	

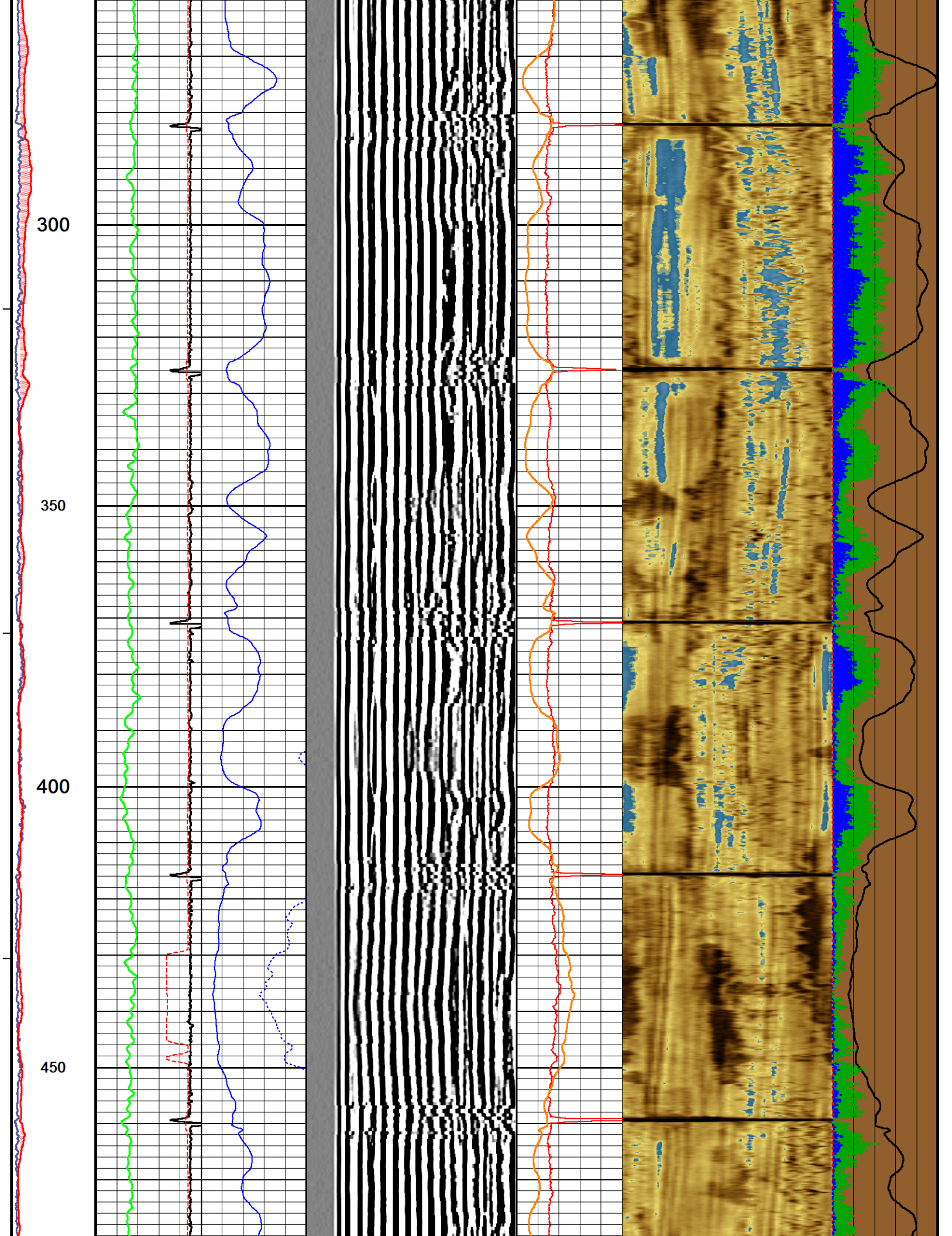
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE			9.625	0.00	1556.00	36.00
PRODUCTION	P-110		5.500	0.00	16963.00	20.00

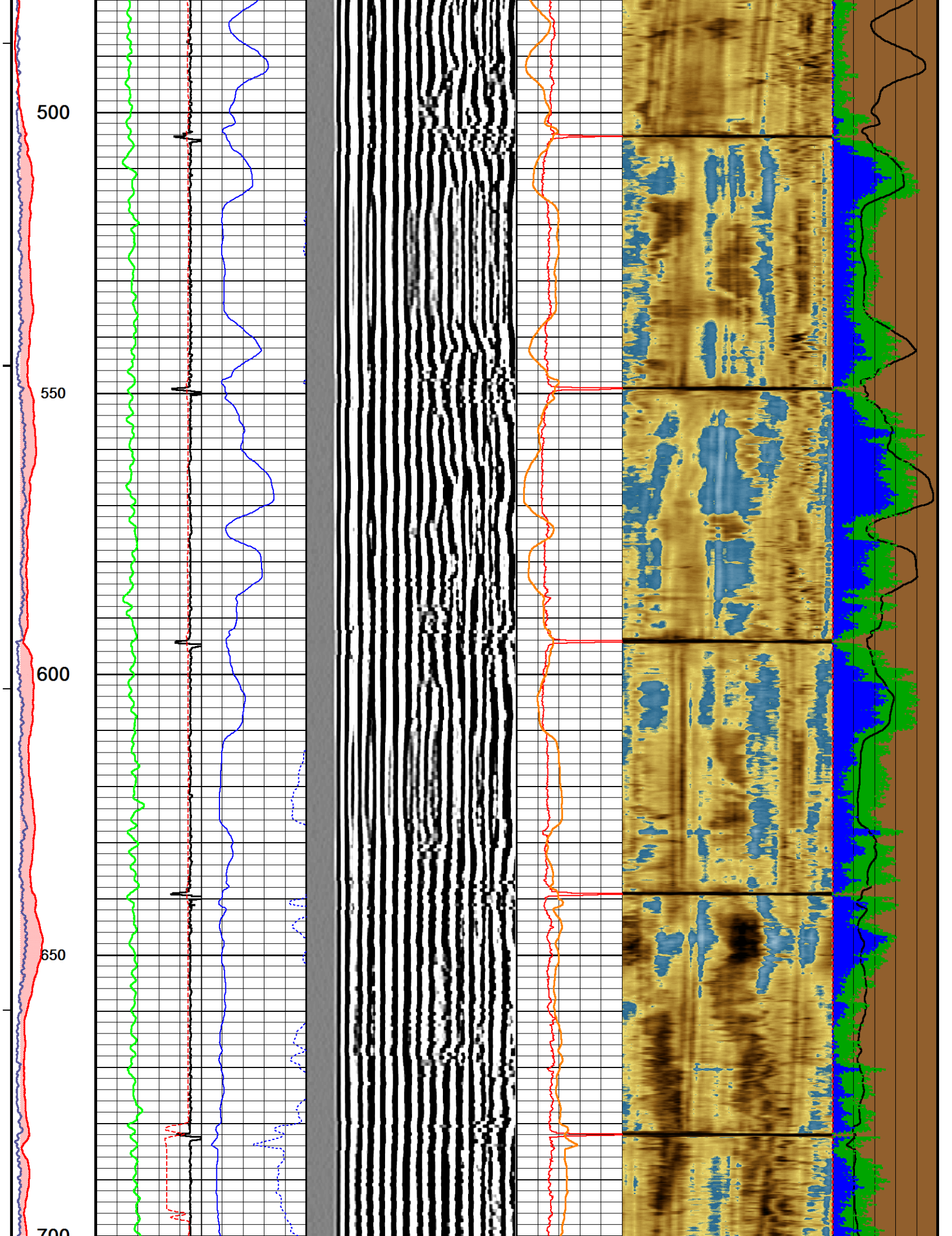
REMARKS
ULTRASONIC RADIAL SCANNER LOG CORRELATED TO RIG KB @ 25 FT ABOVE GROUND LEVEL CEMENTING DATA: LEAD: ELASTICEM 150 SACKS, 13.2LB/GAL, 1.57FT^3/SACK TAIL: ELASTICEM W/ SUPER CBL, 2100 SACKS, 13.2LB/GAL, 1.57FT^3/SACK BELOW SURFACE CASING THE TOOL HAD MANY AREAS WHERE IT EXPERIENCED DECENTRALIZATION 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

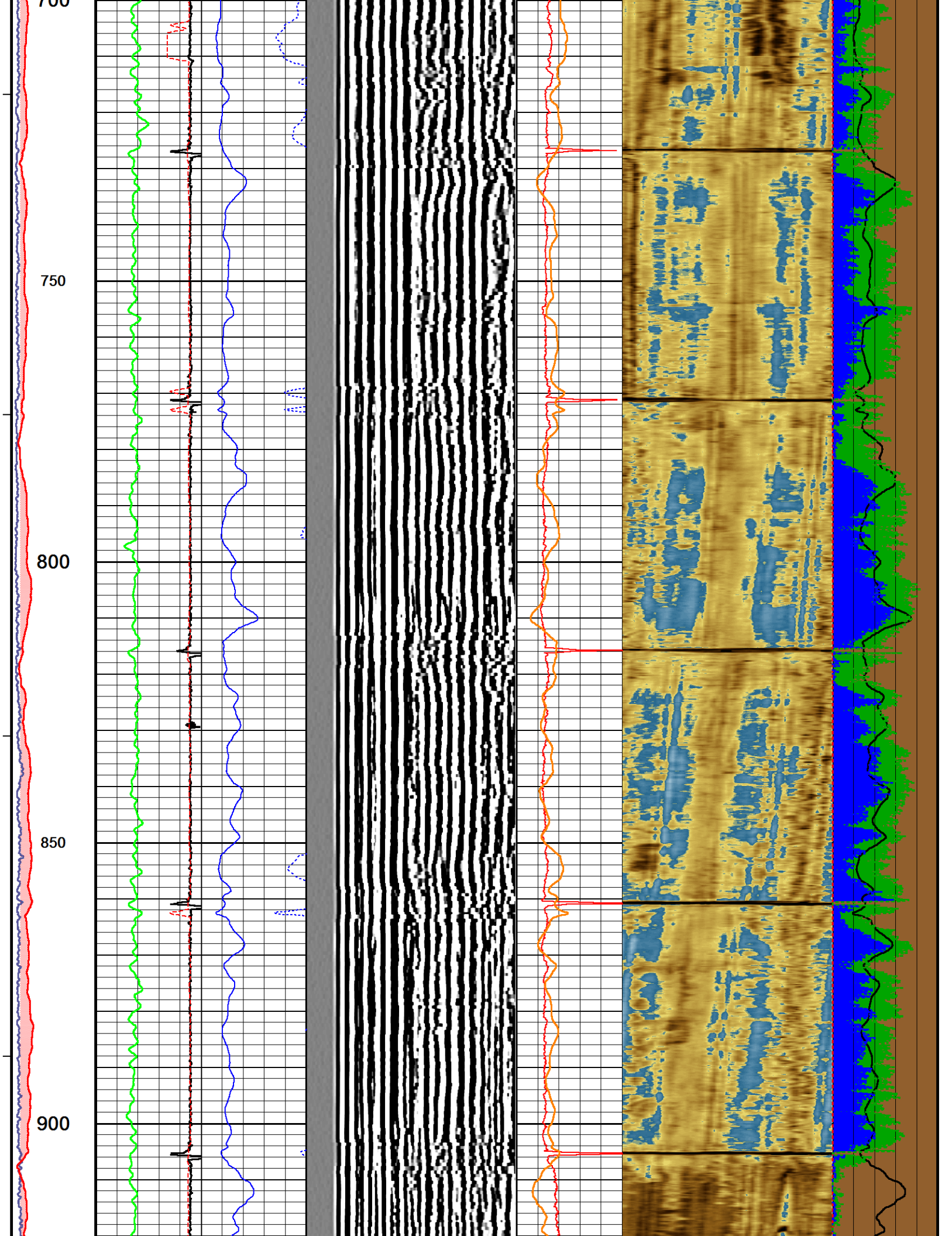
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will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

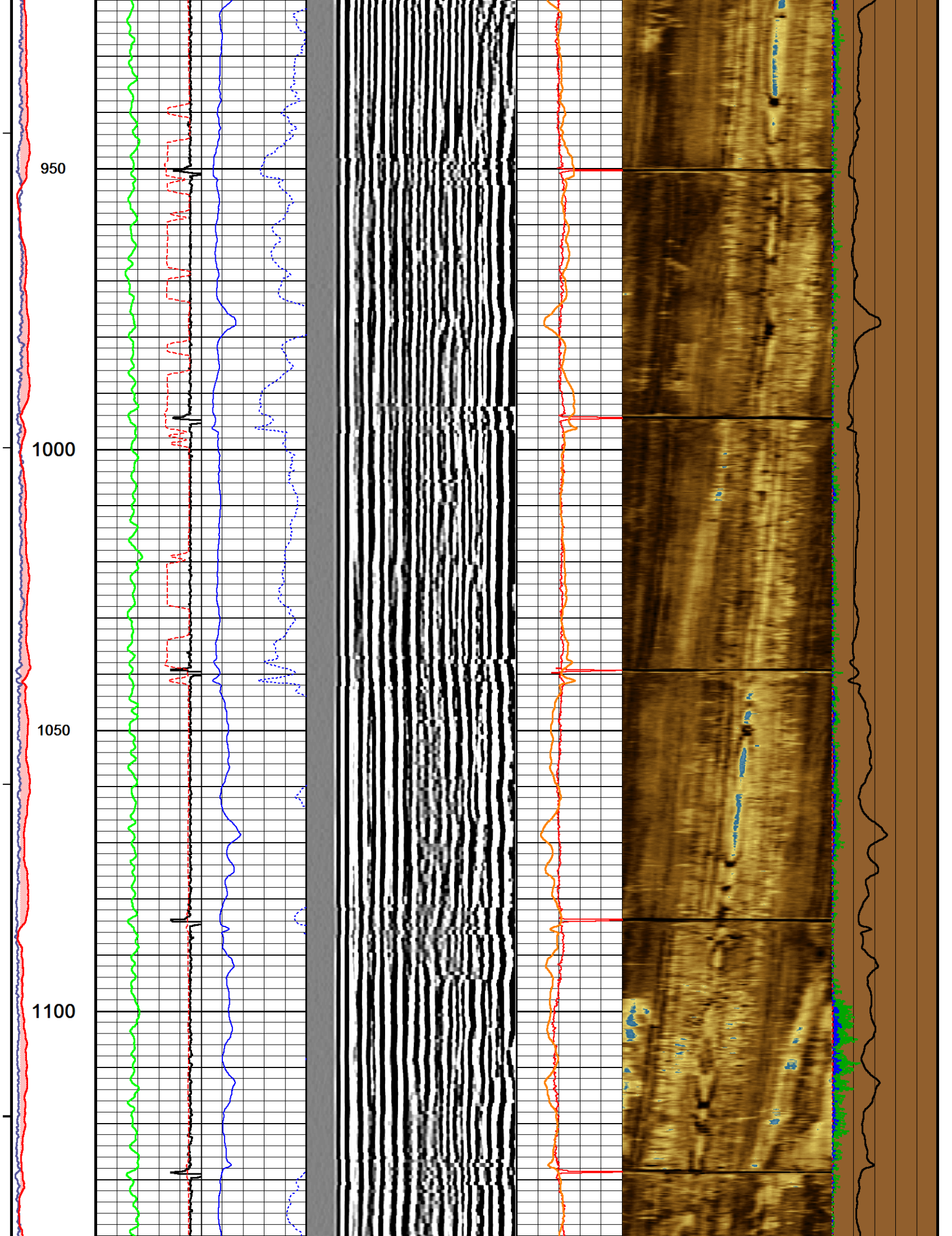


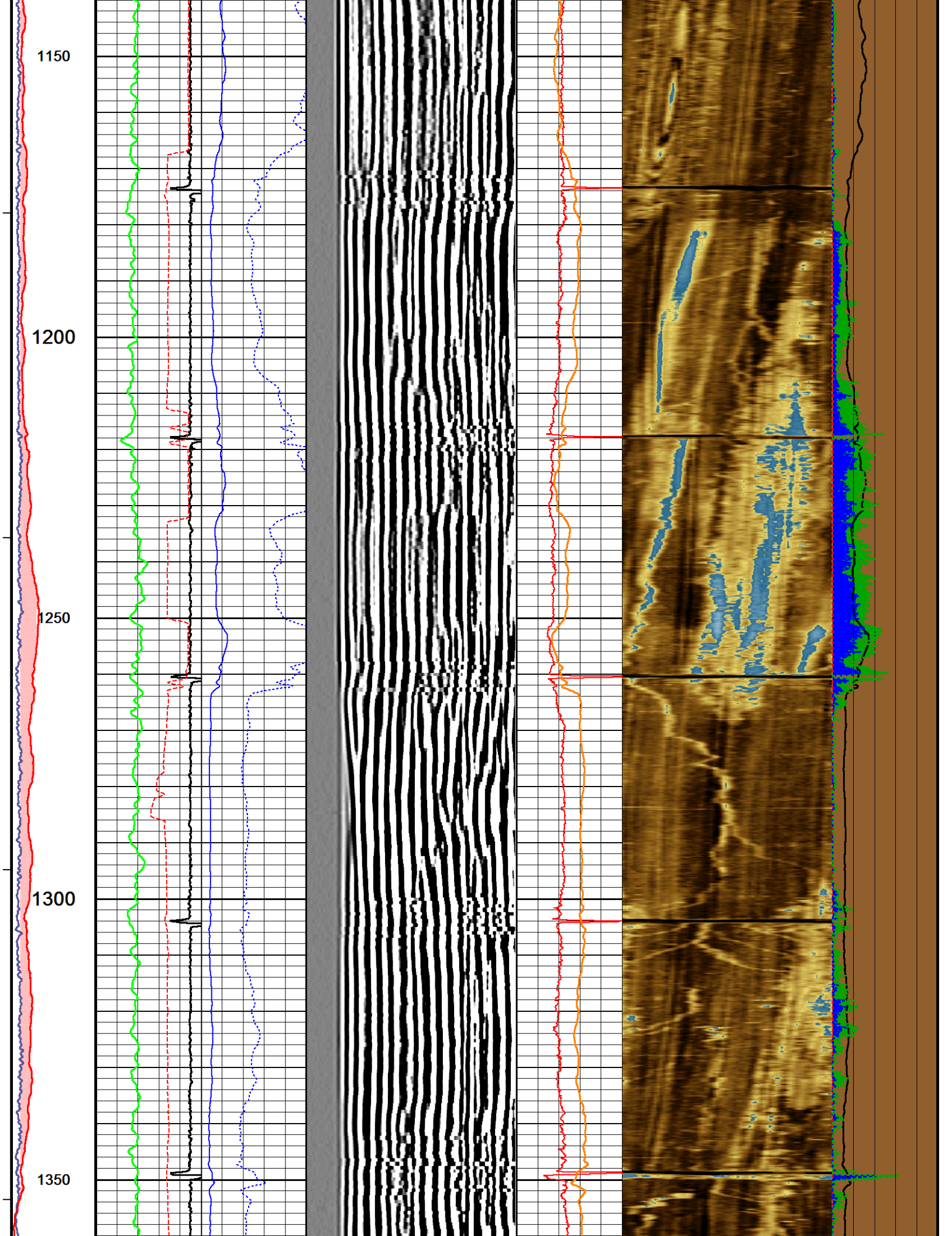


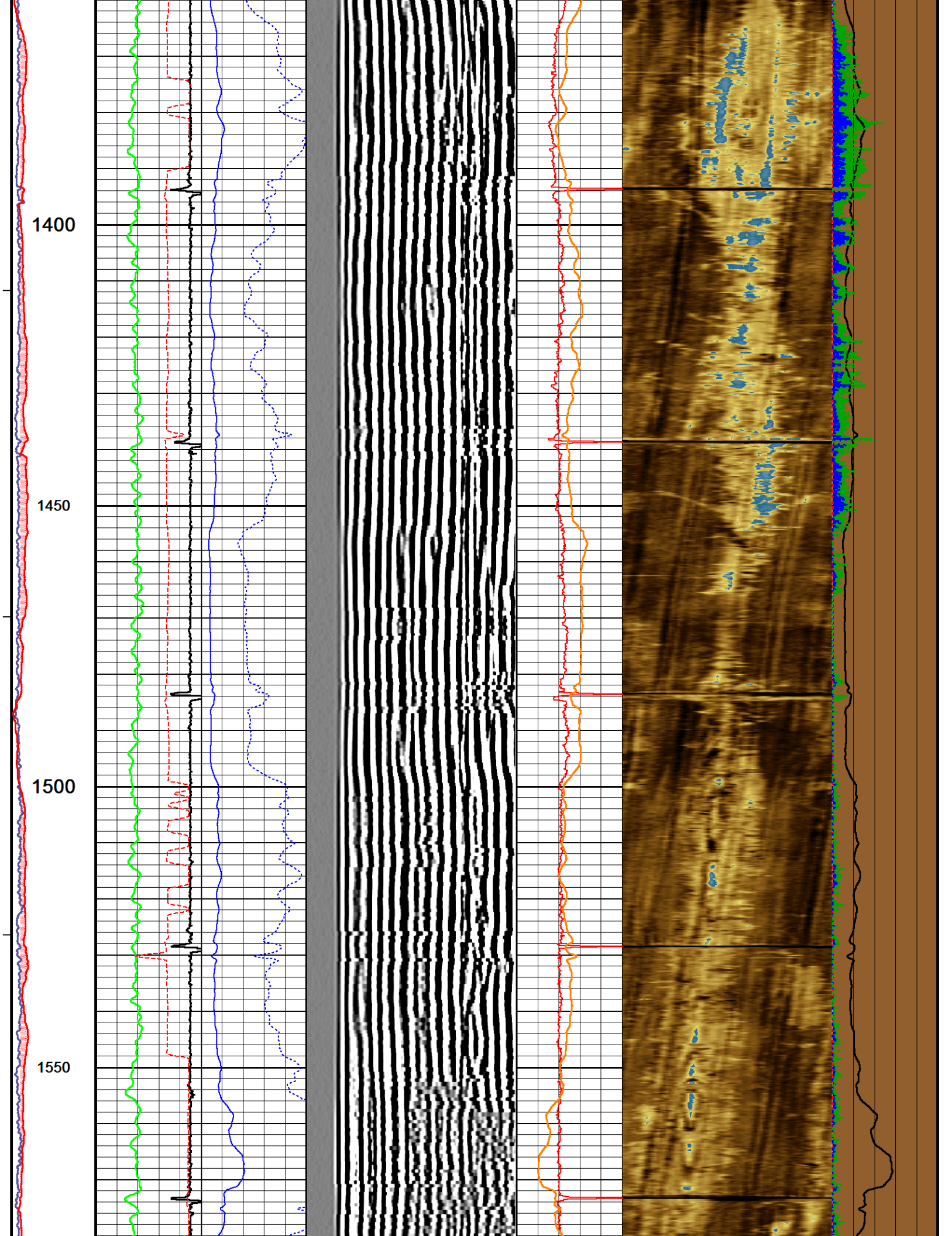


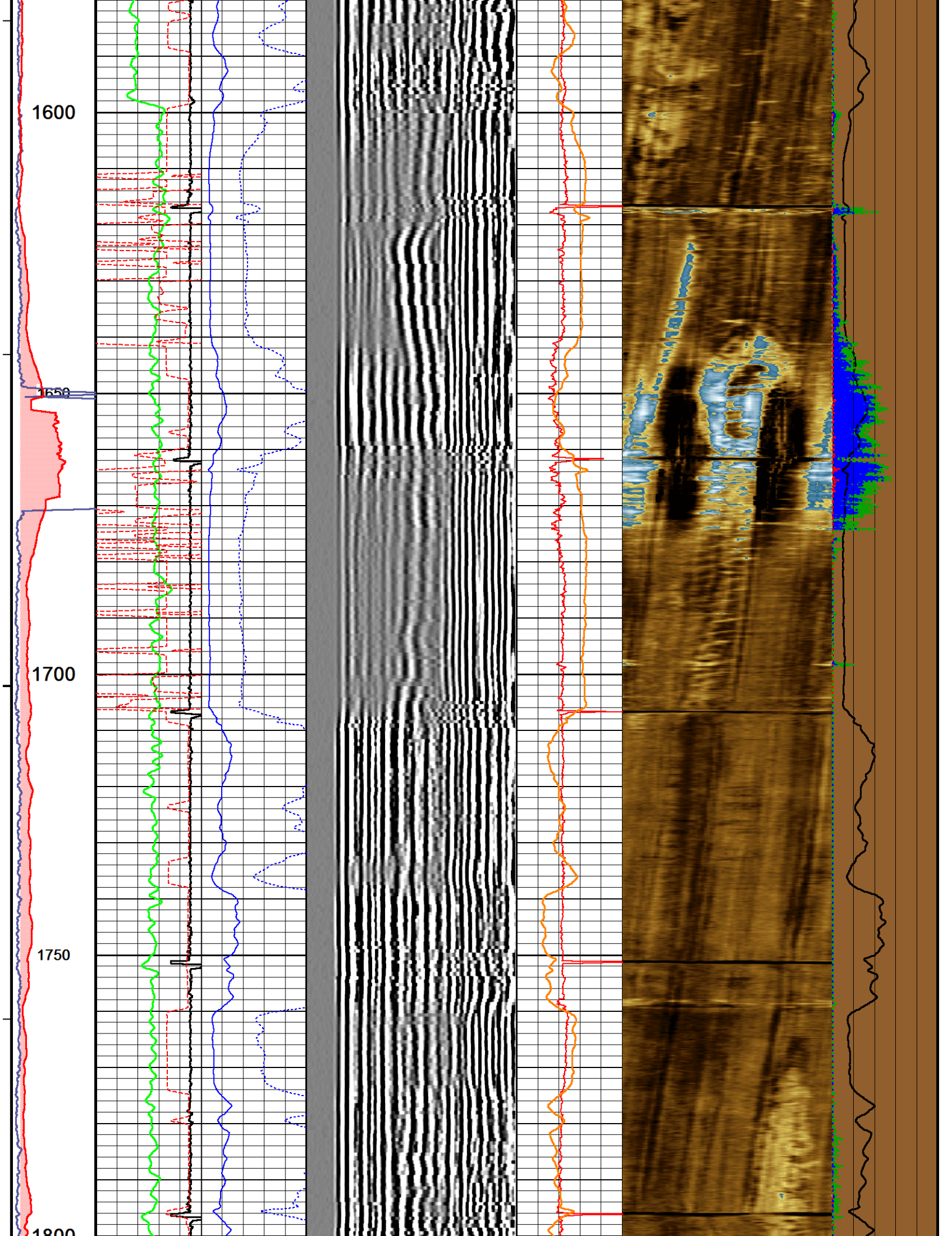


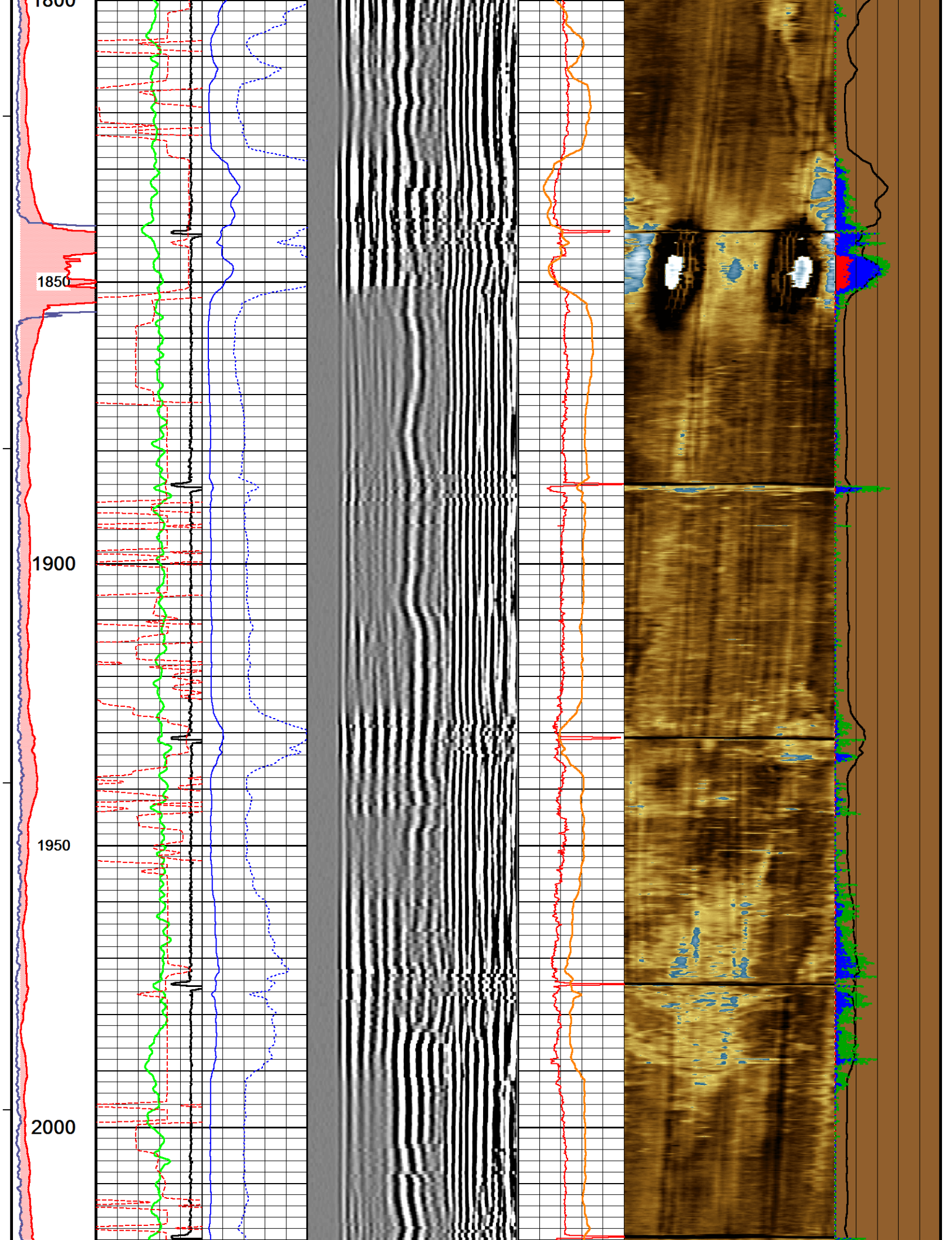


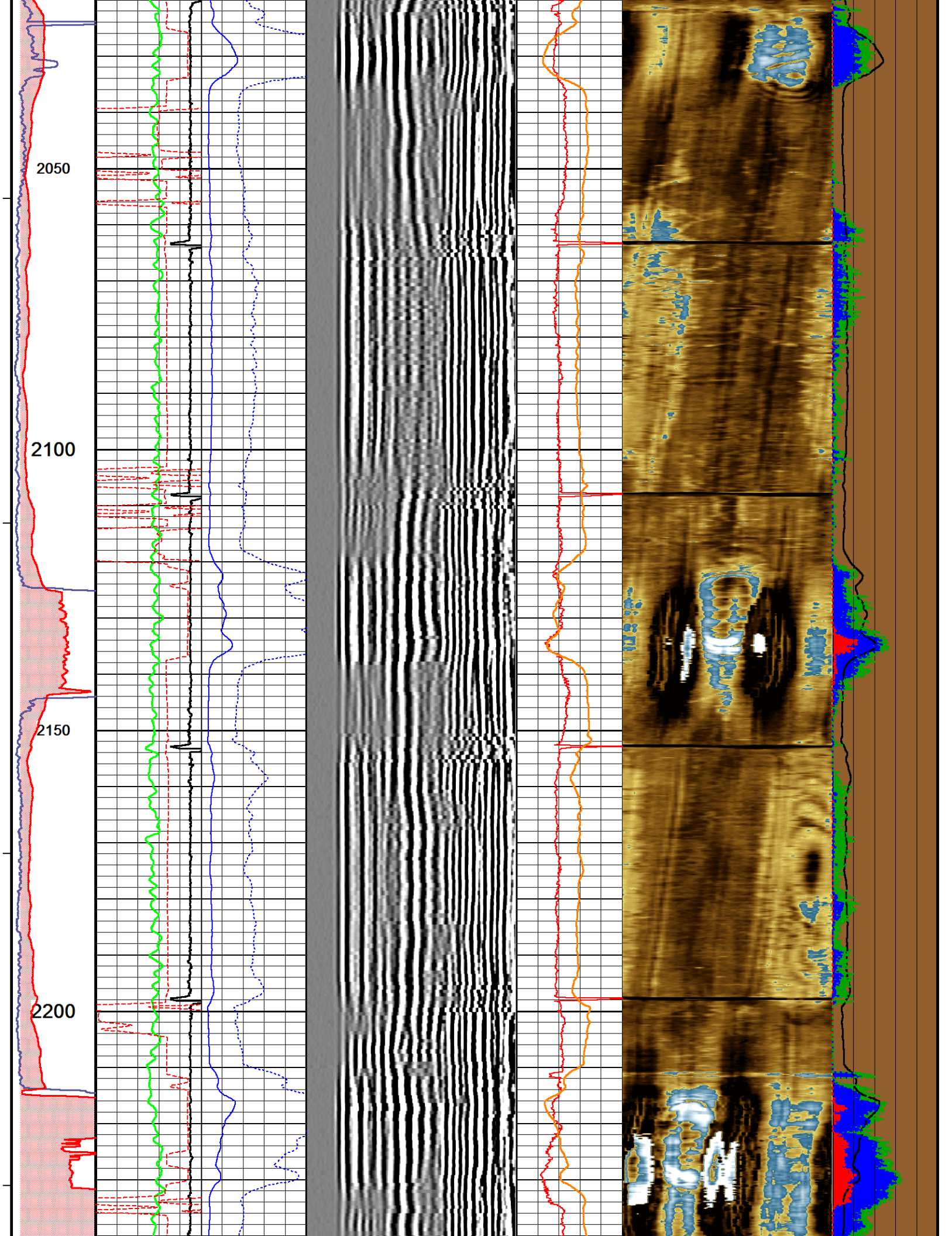


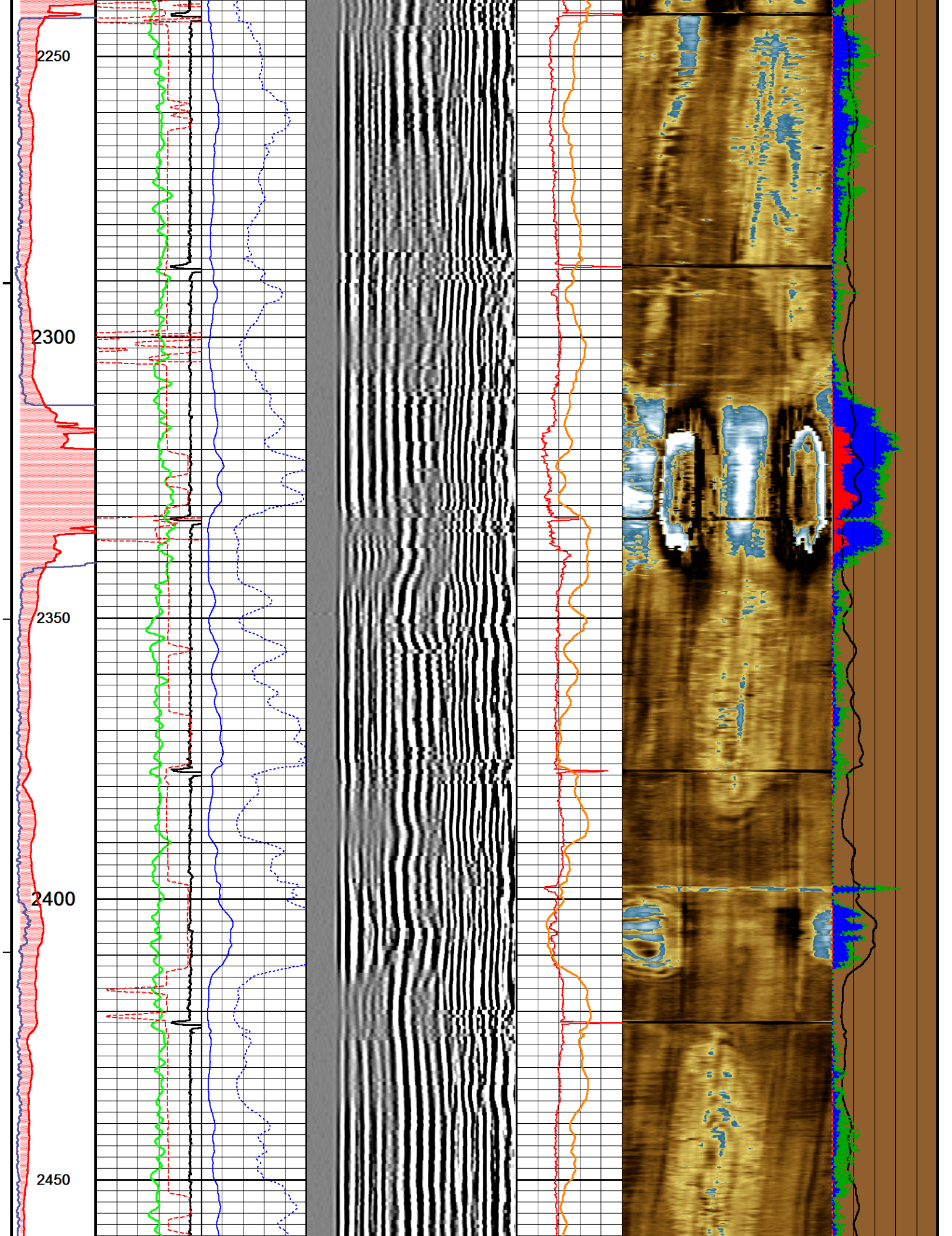


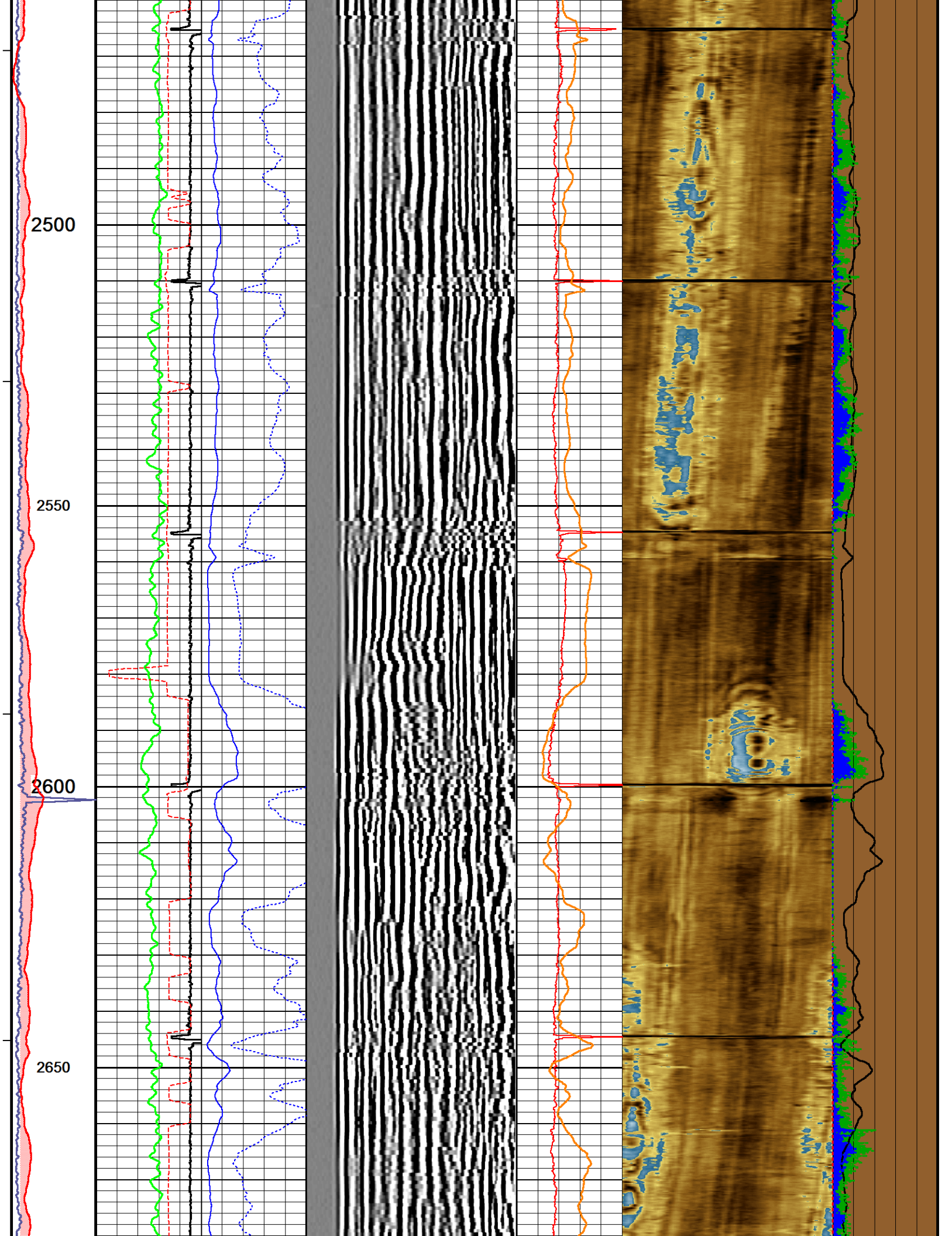


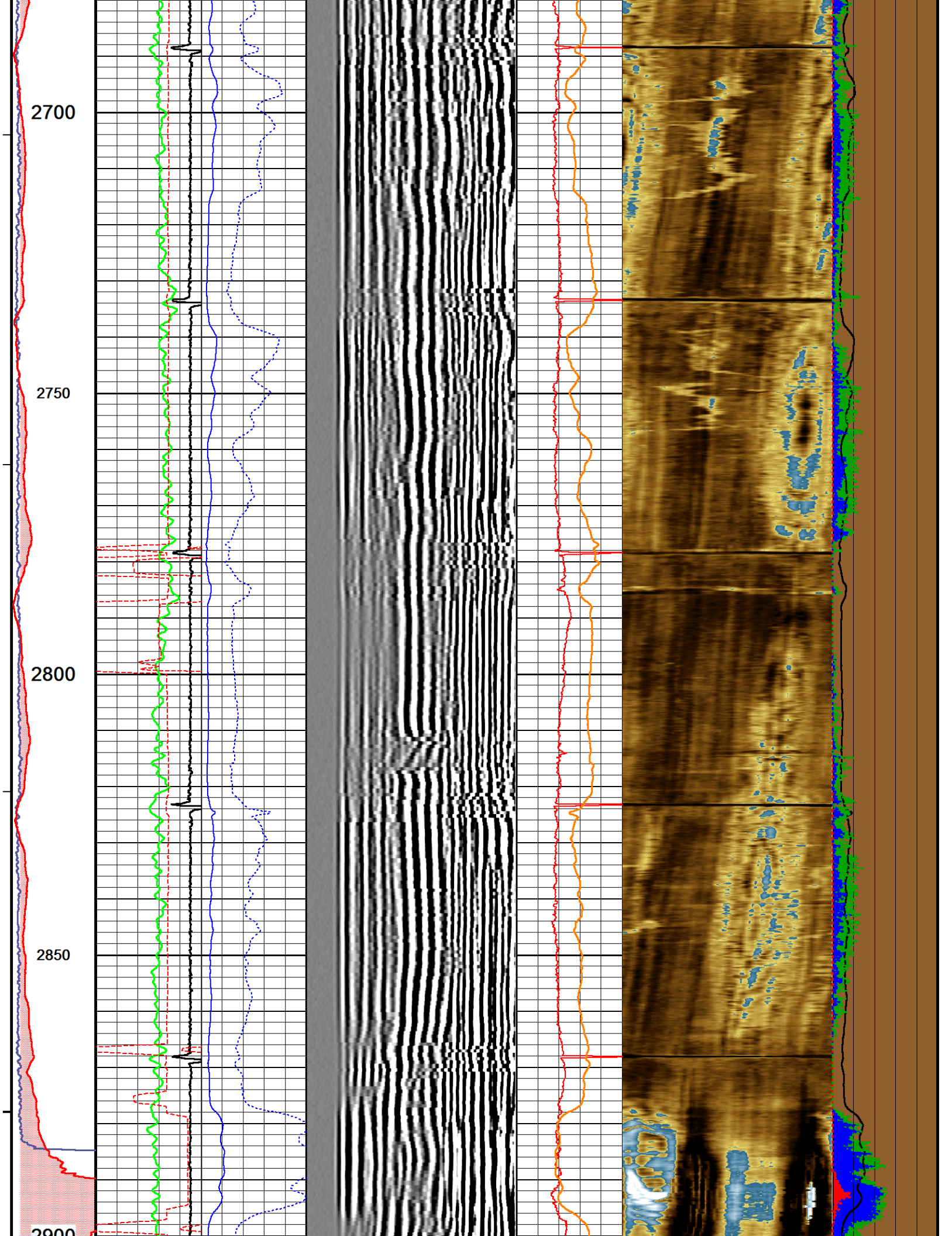


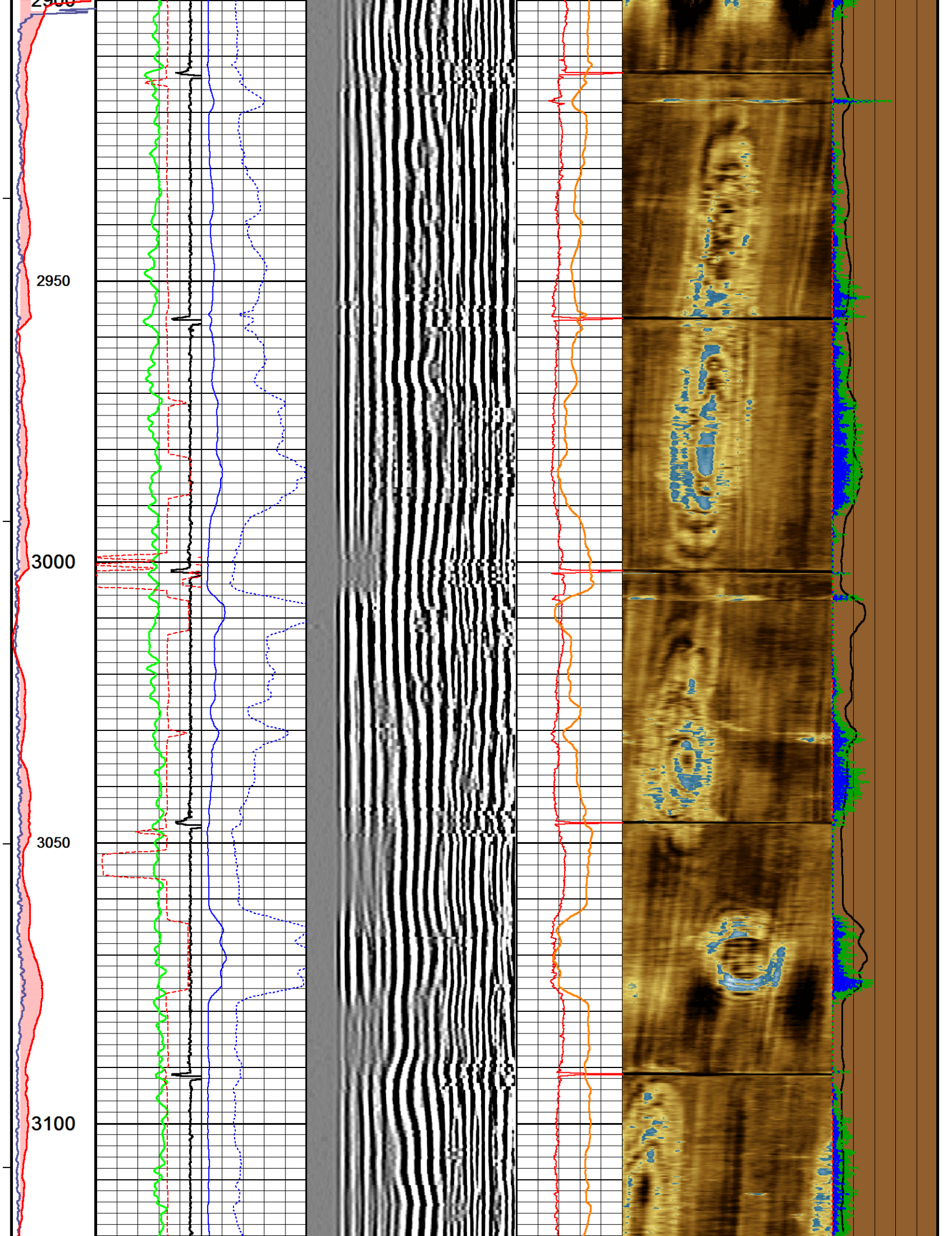


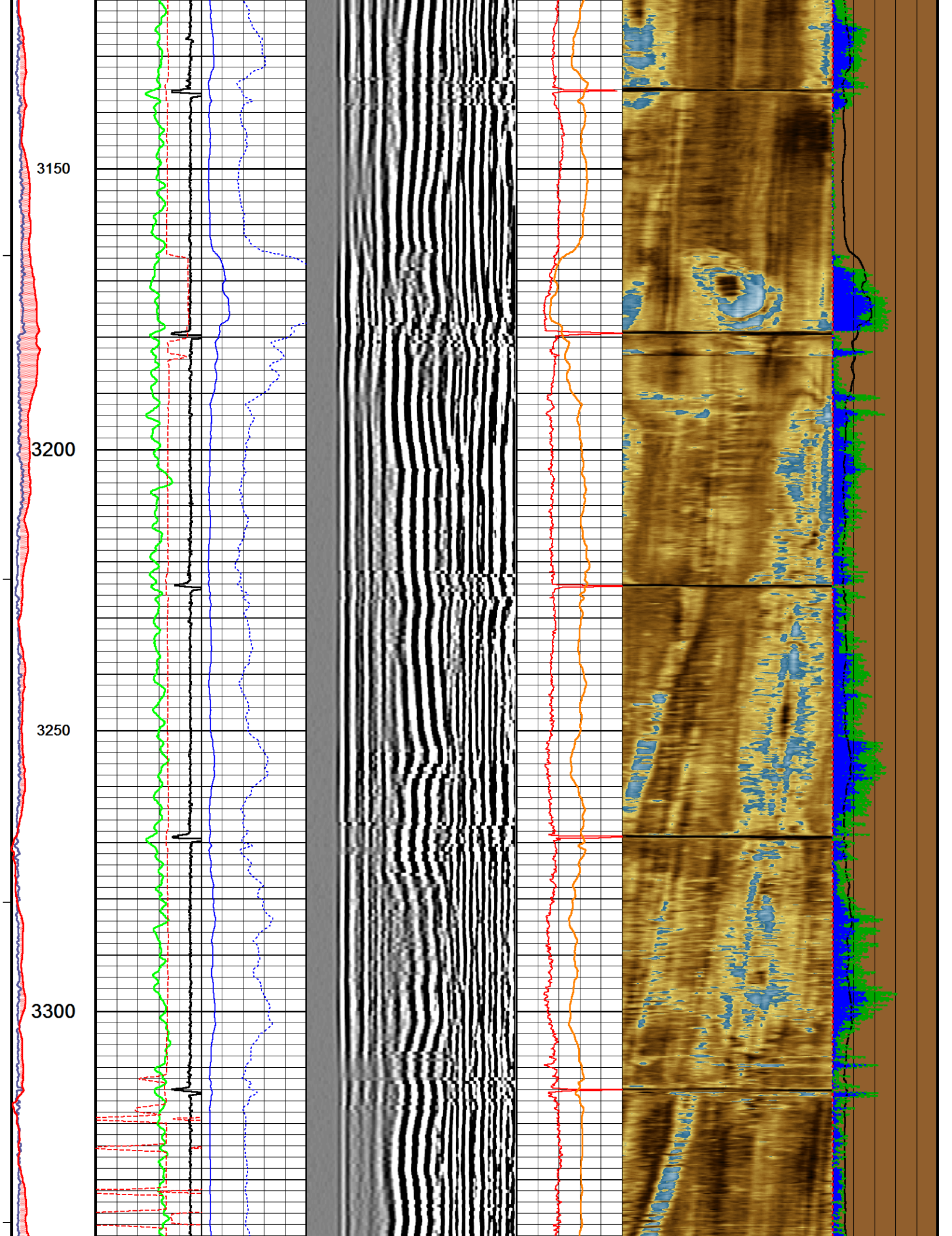


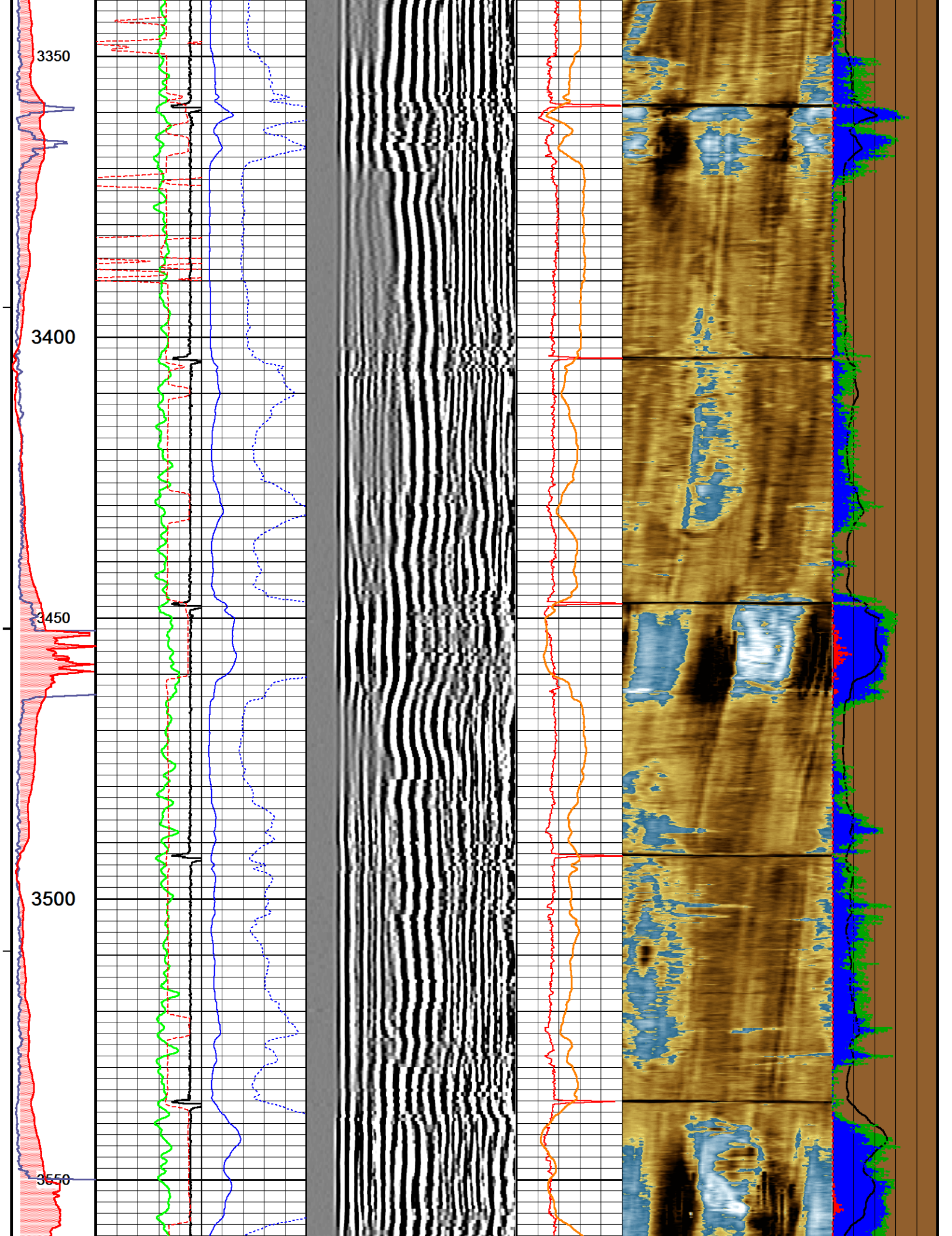


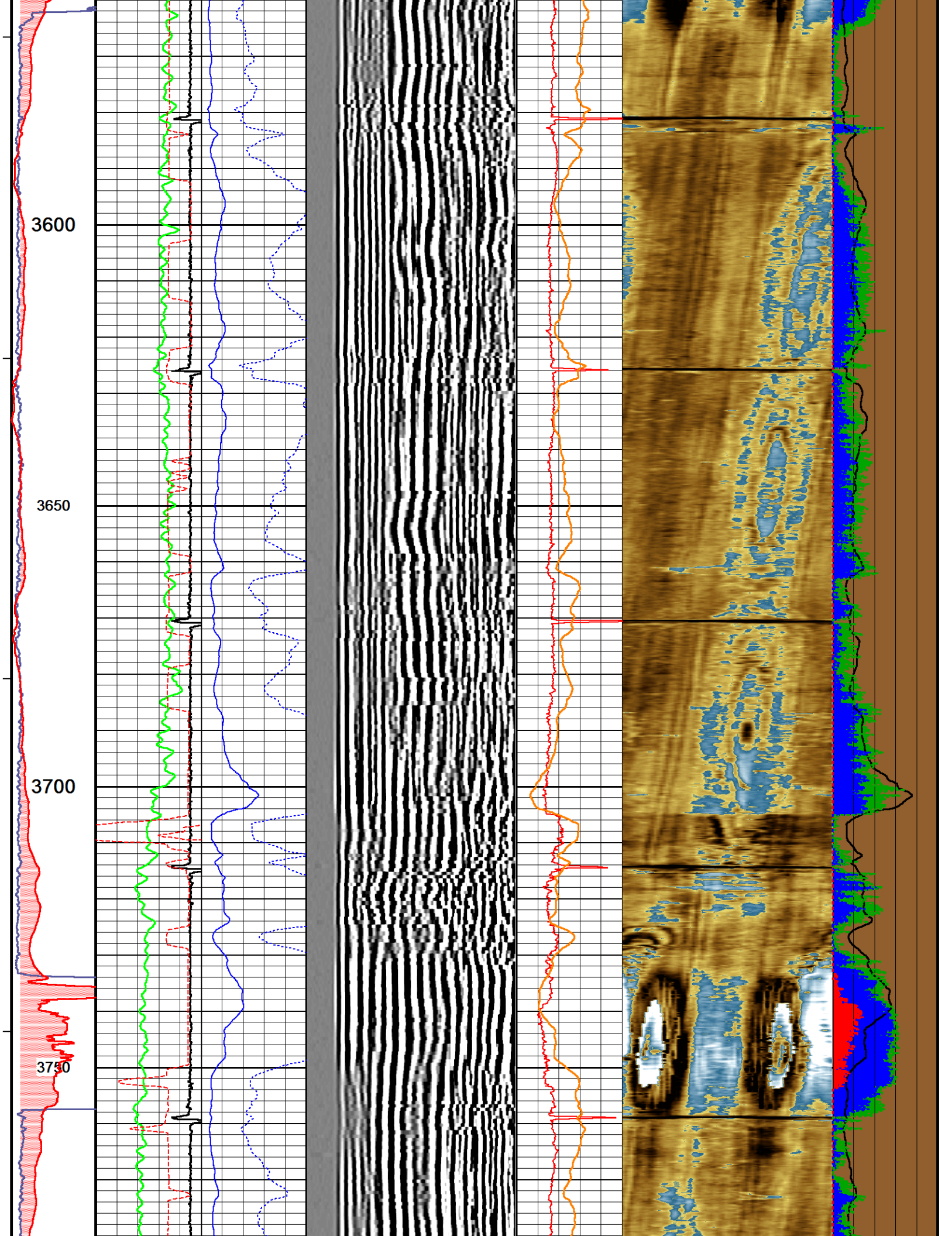


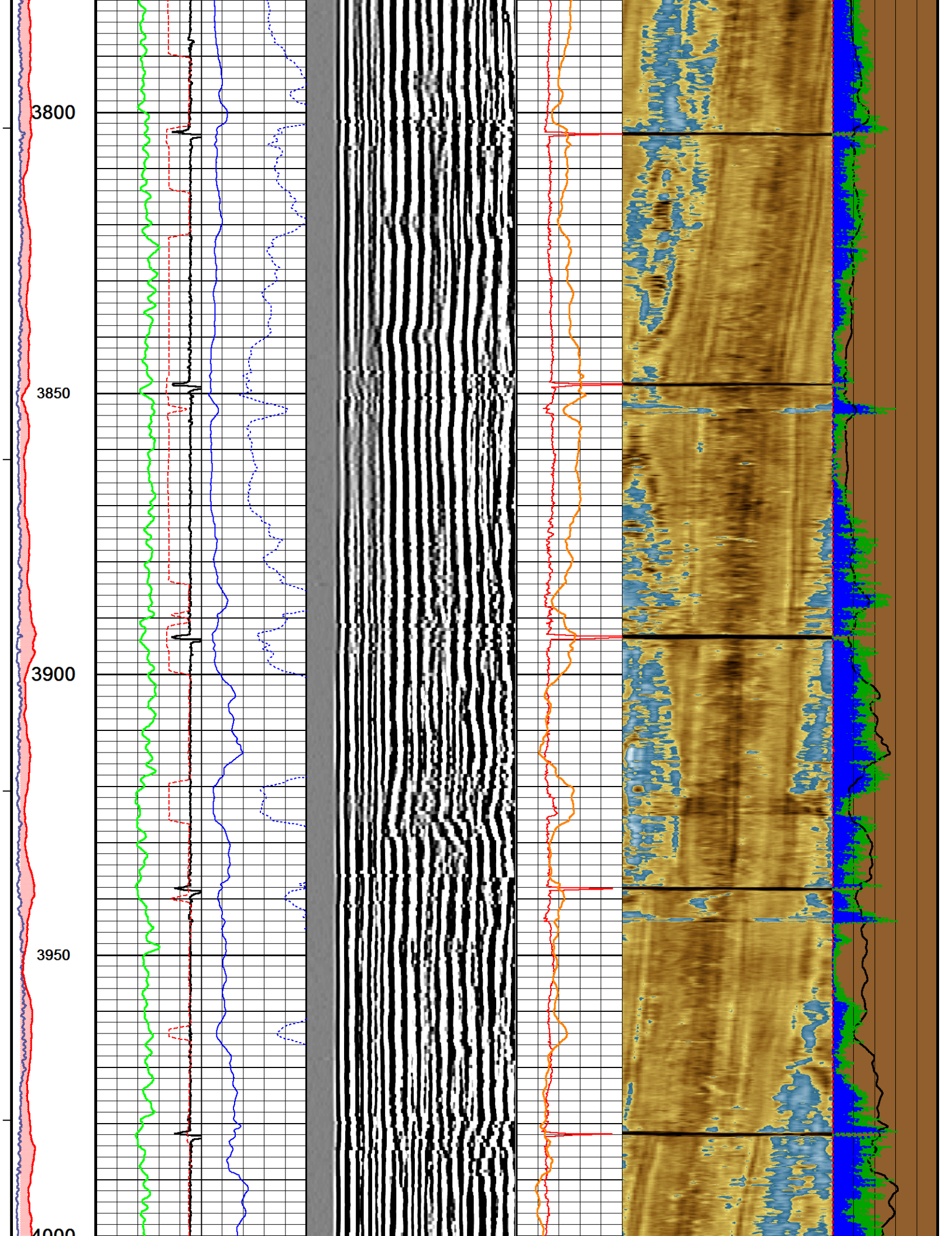


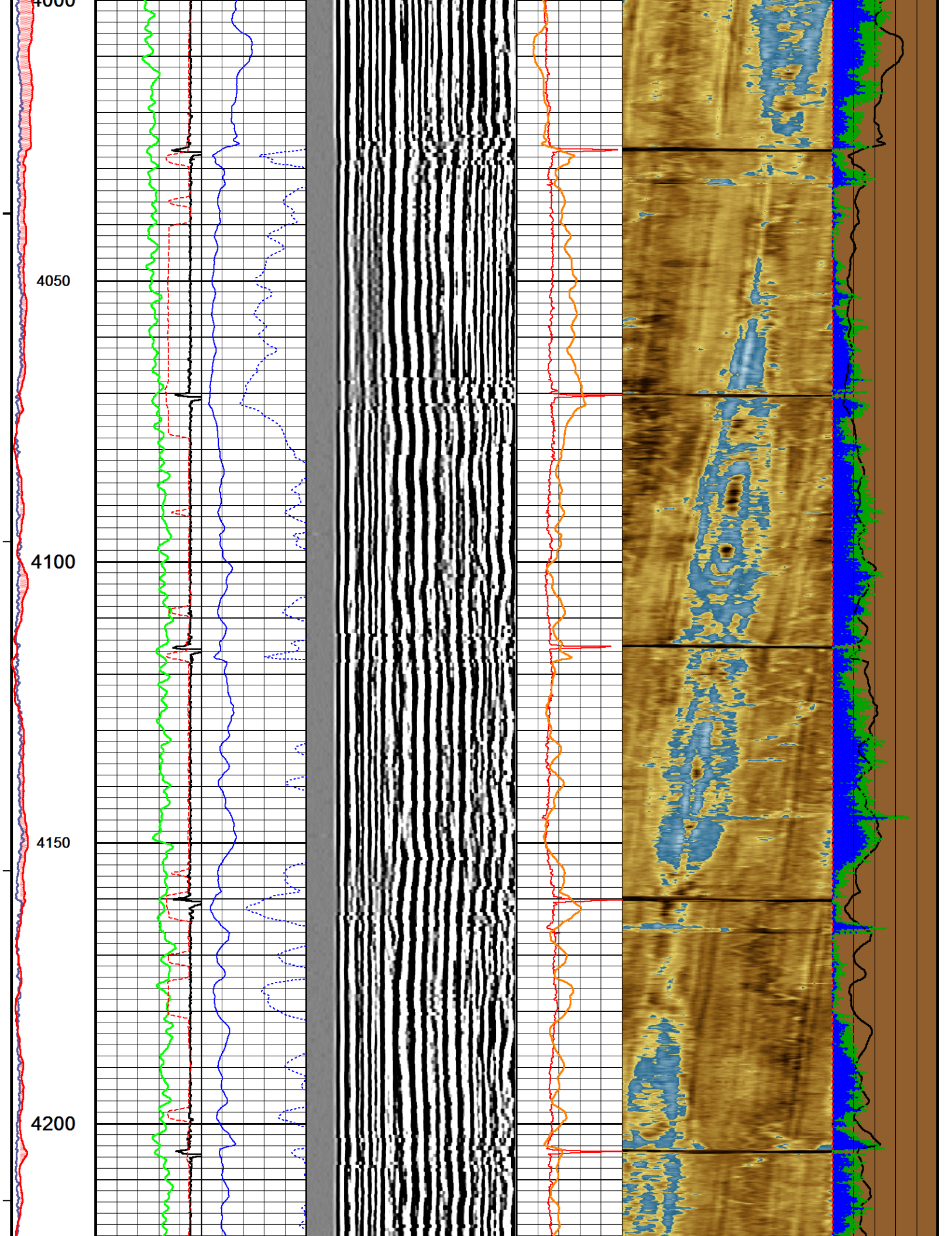


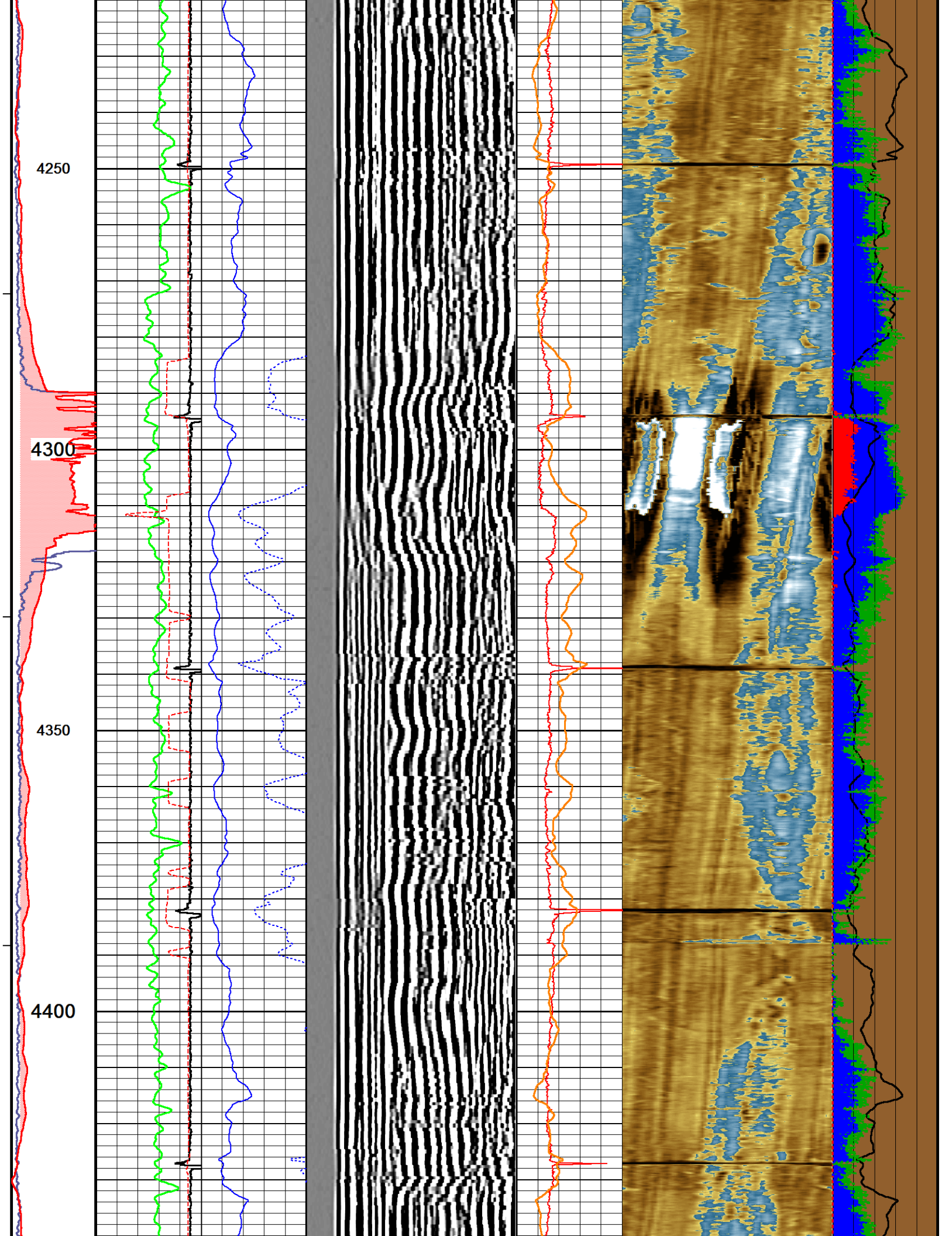


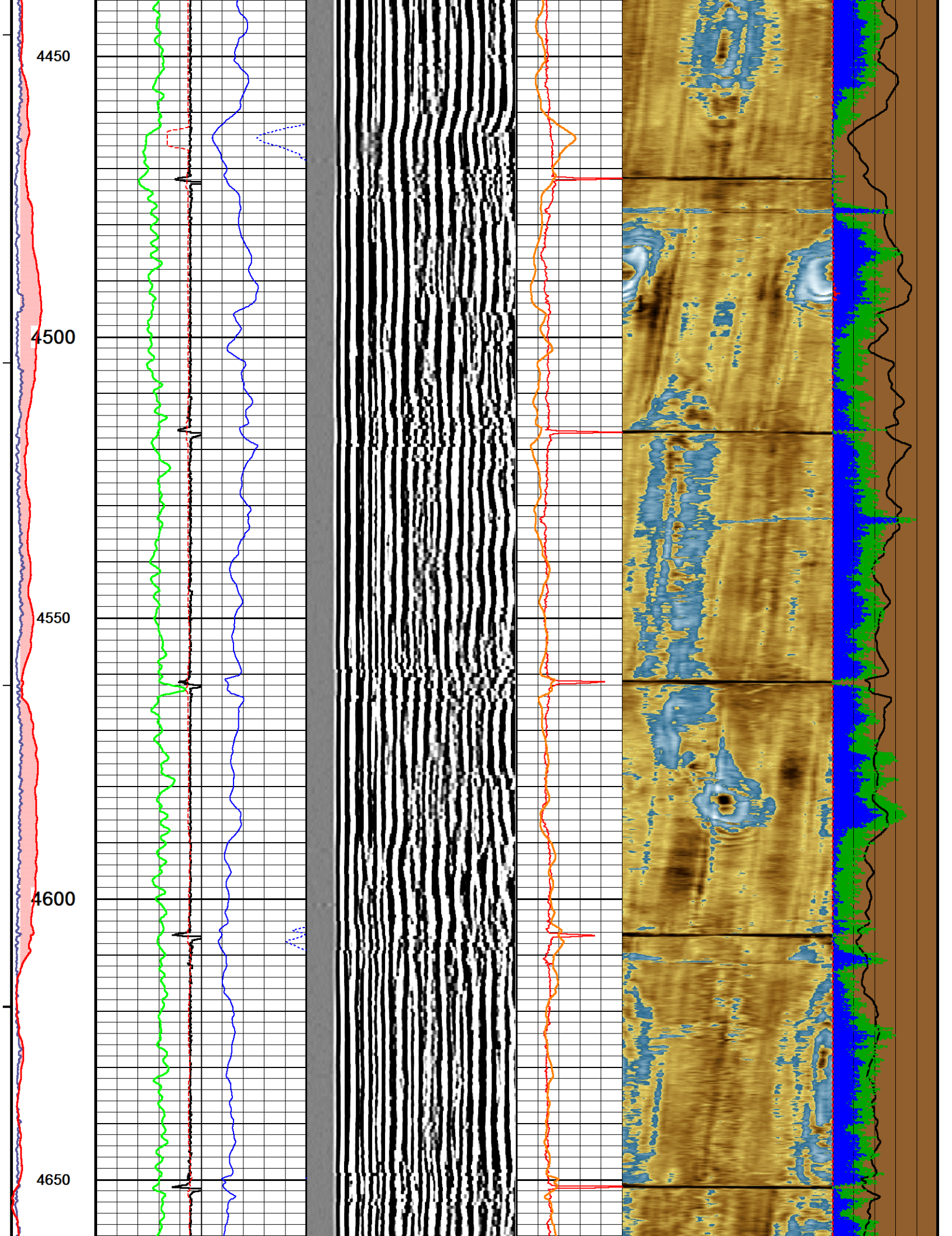


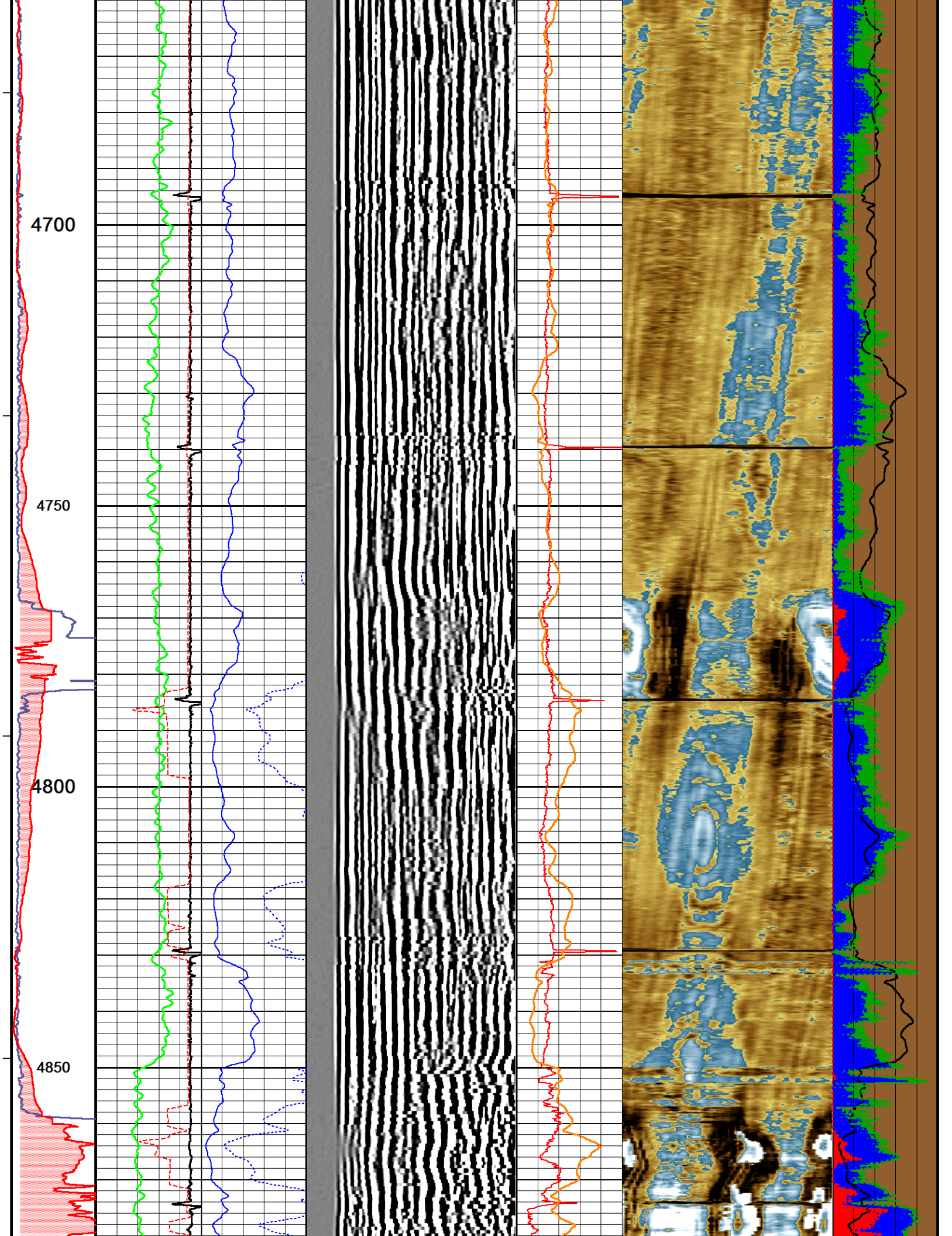


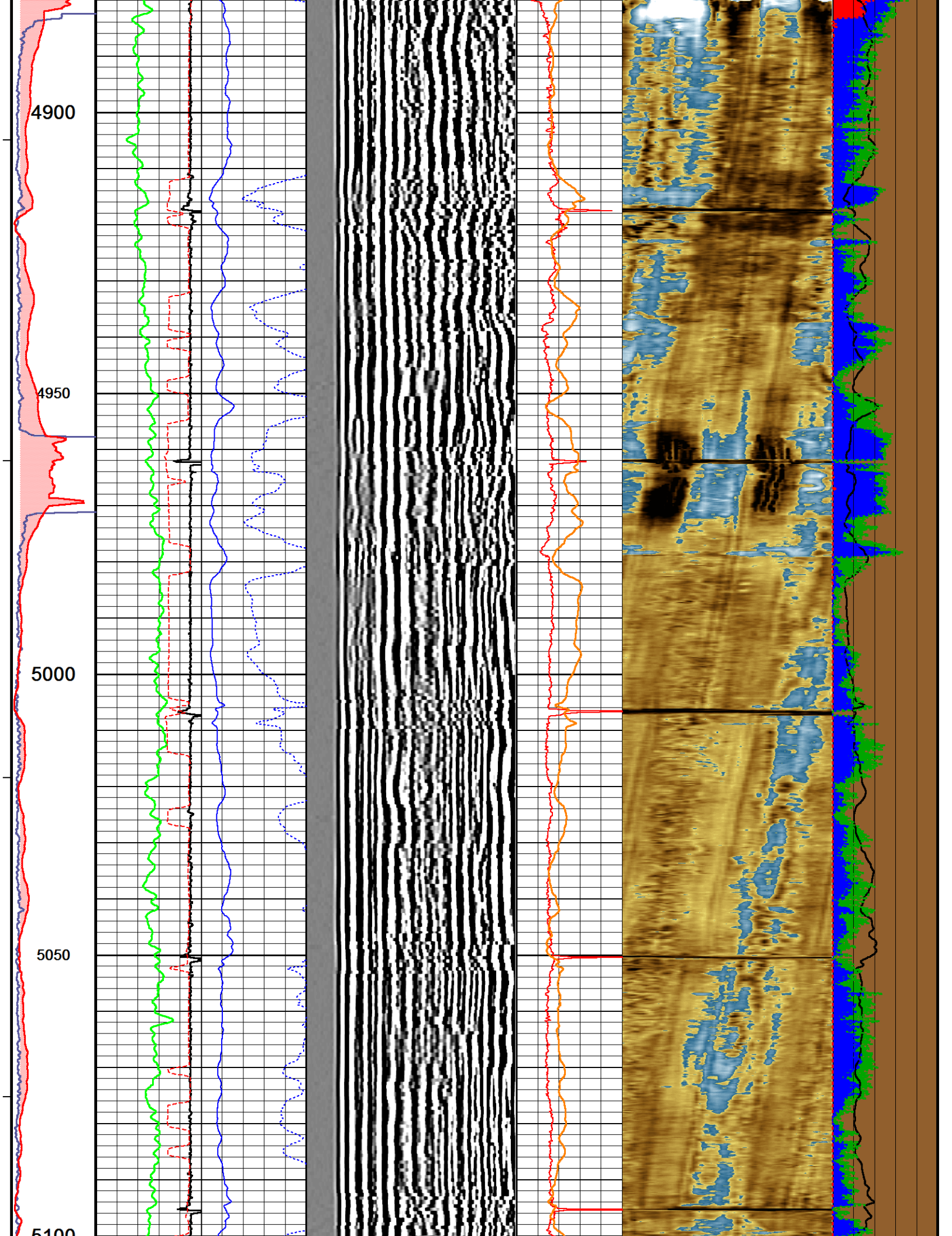


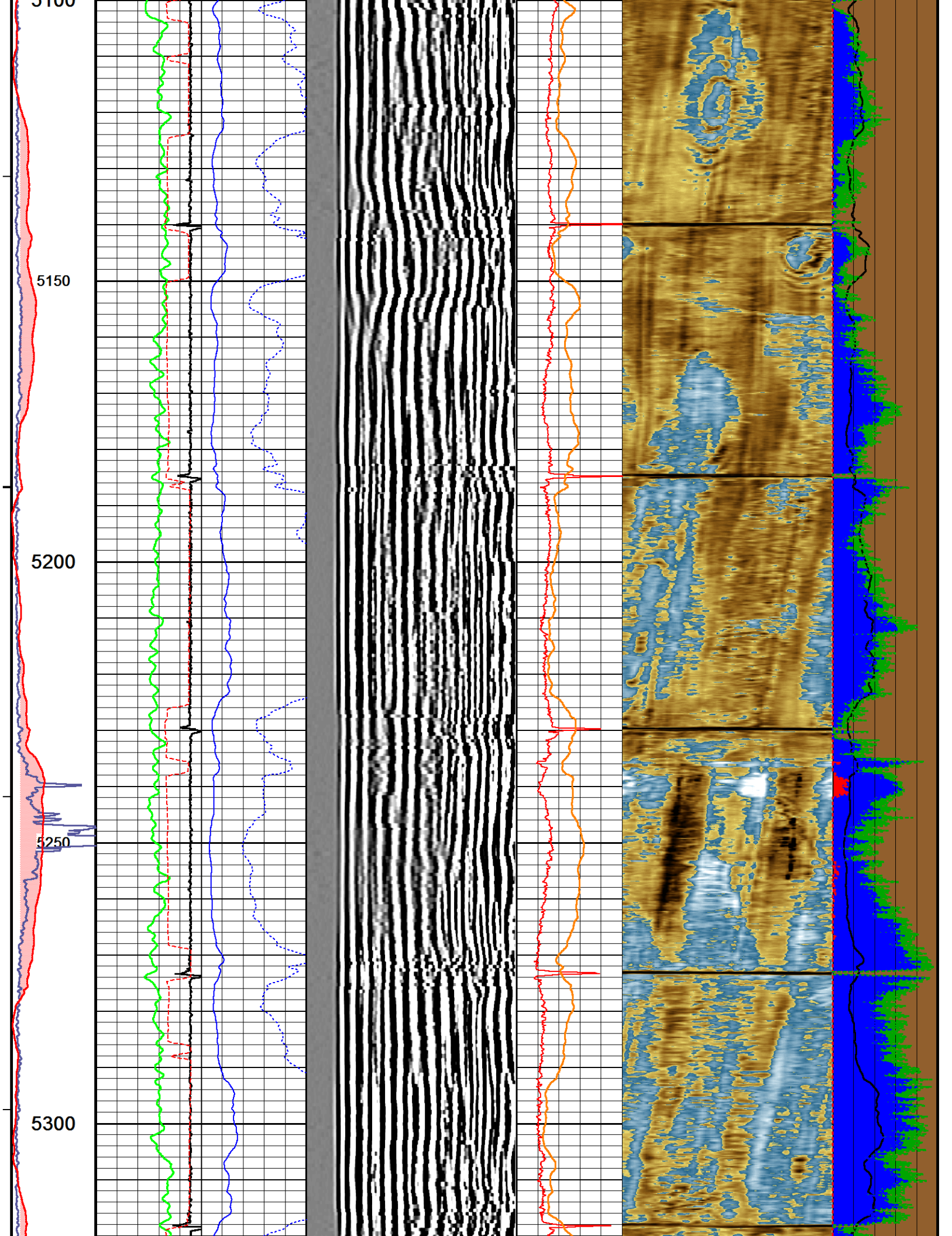


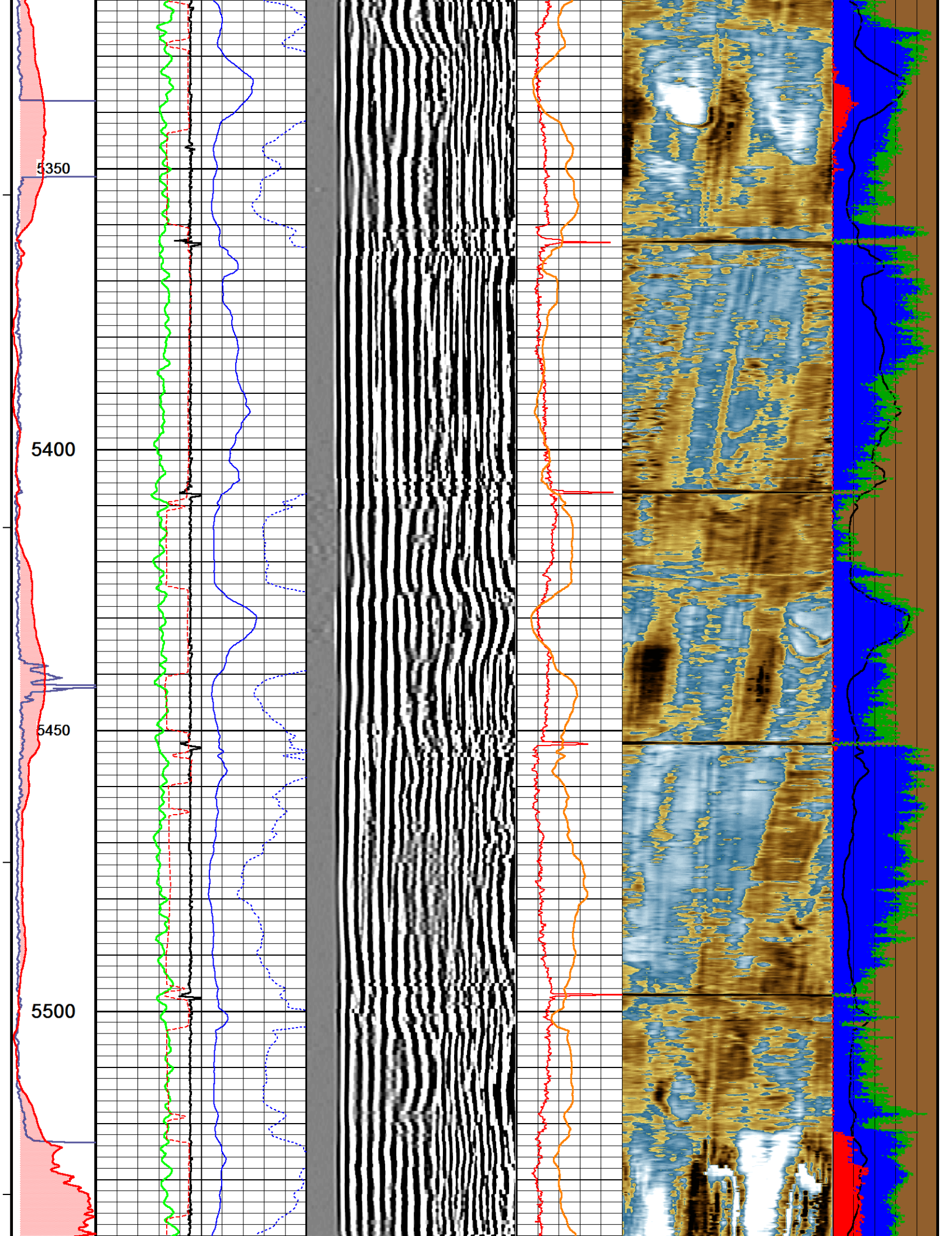


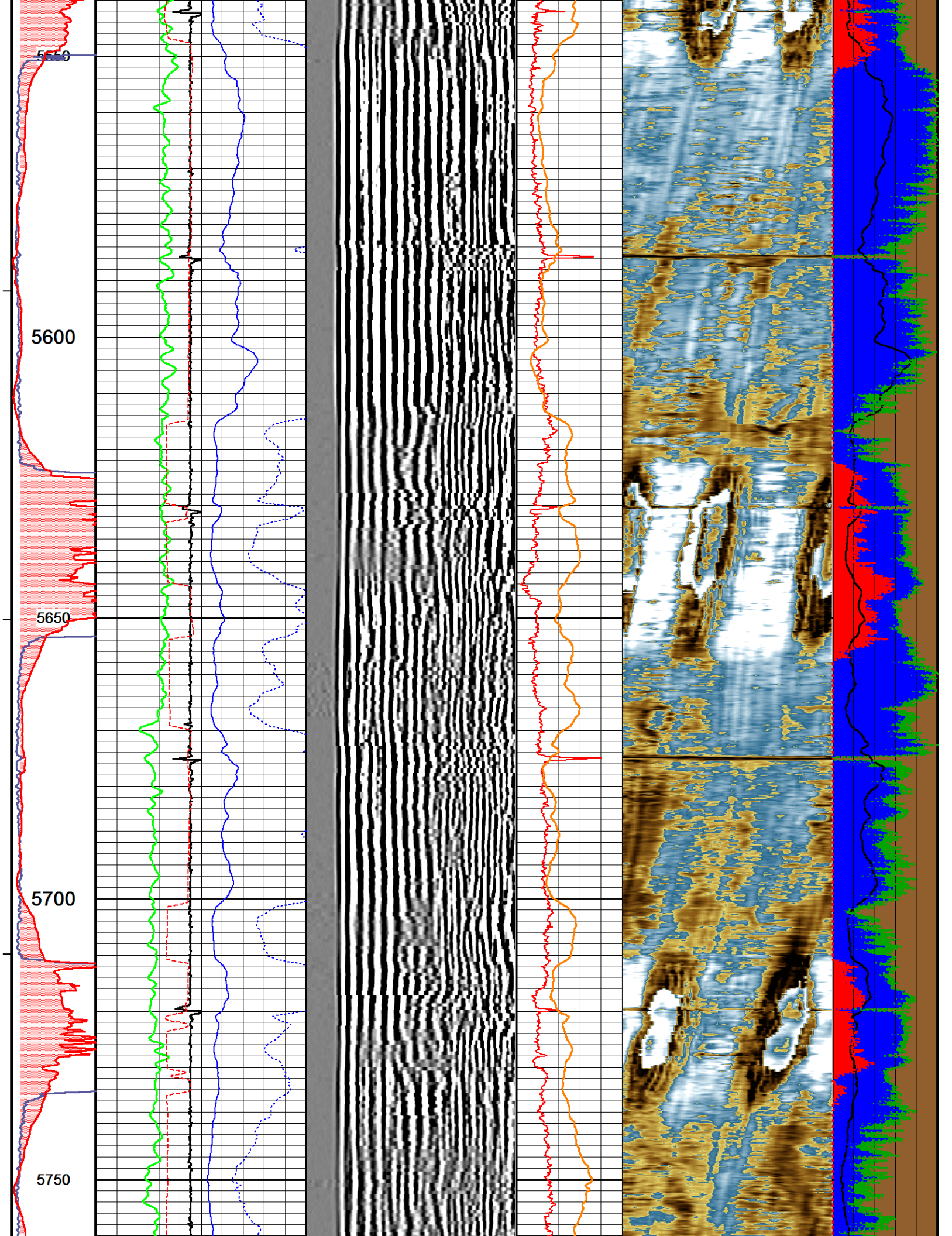


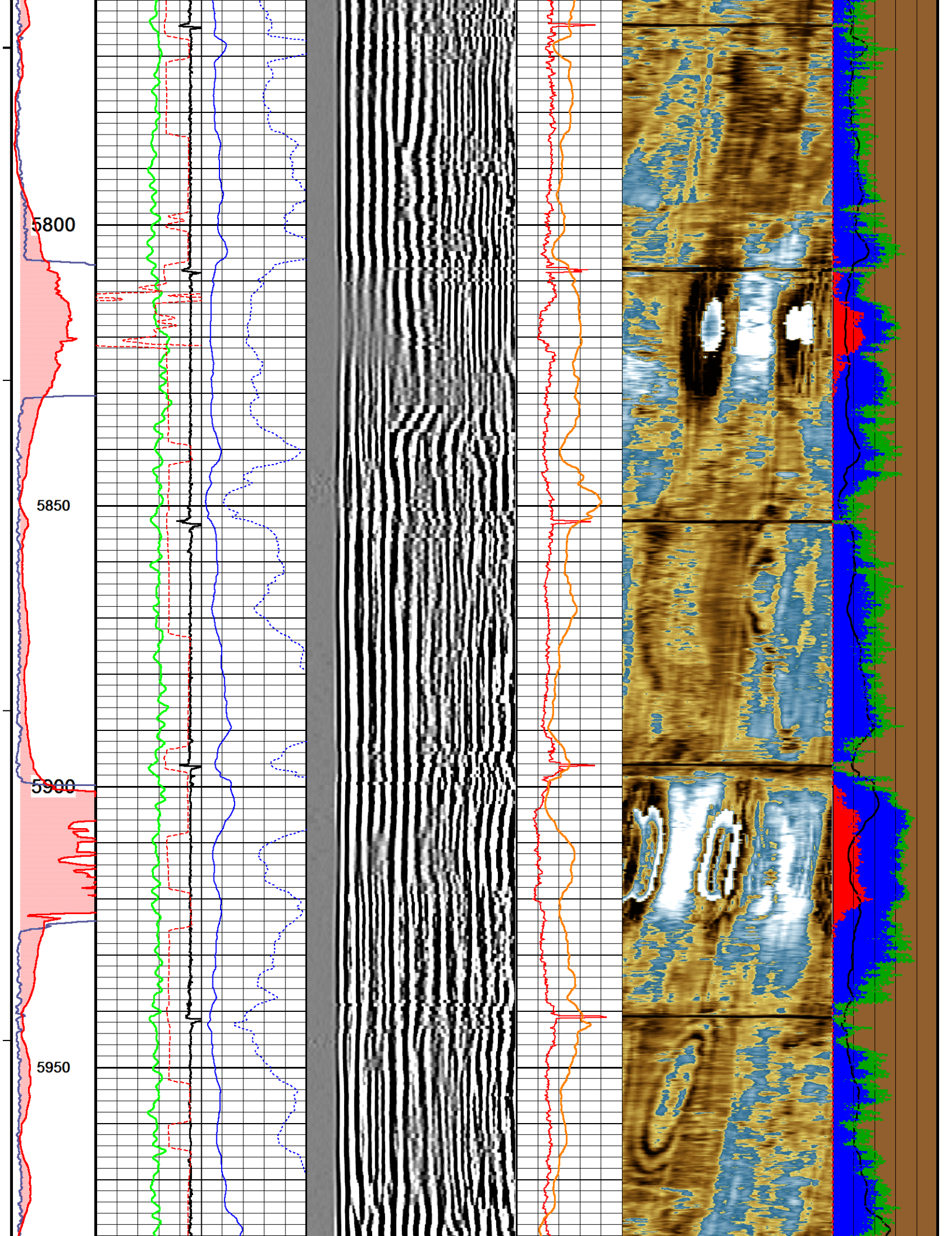


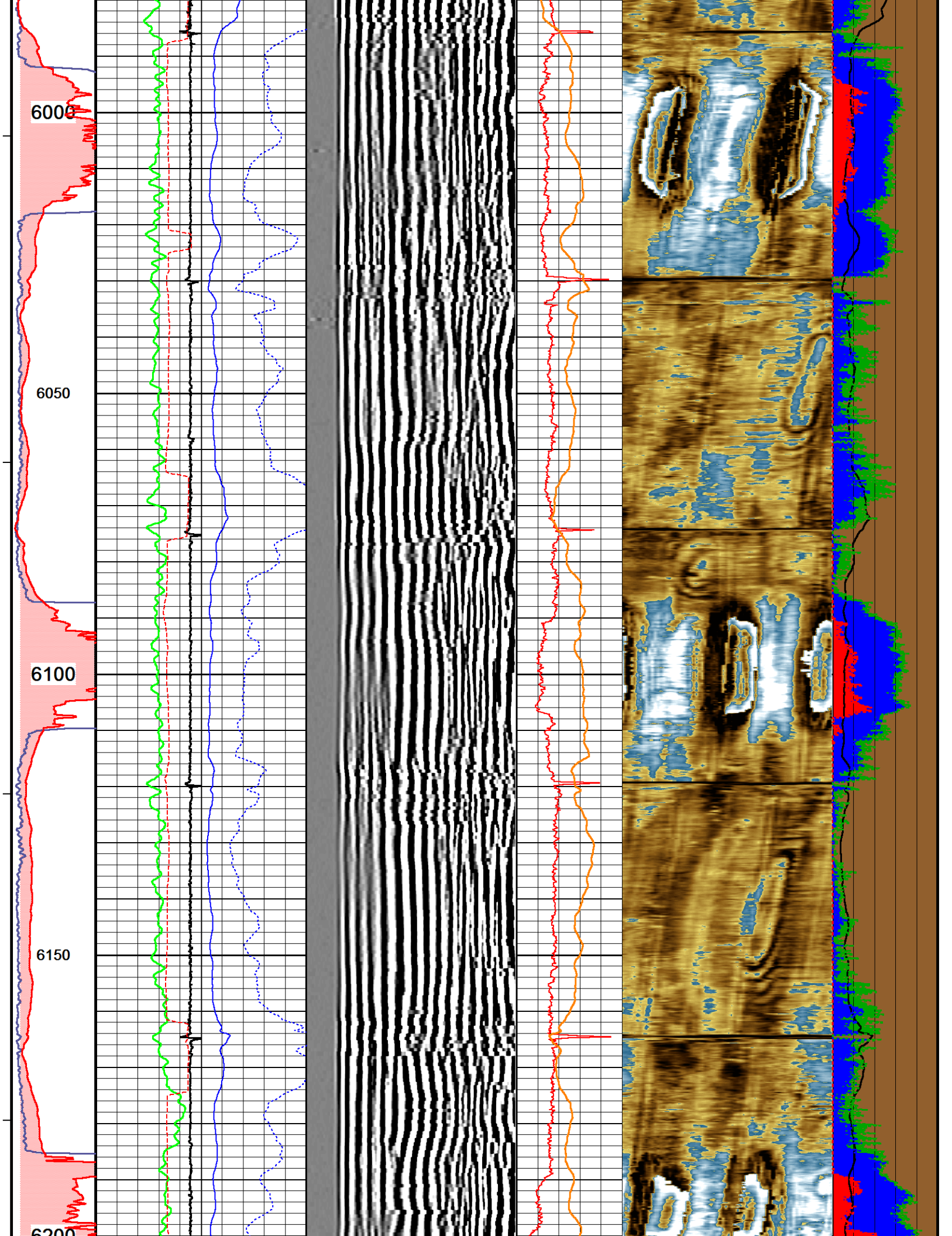


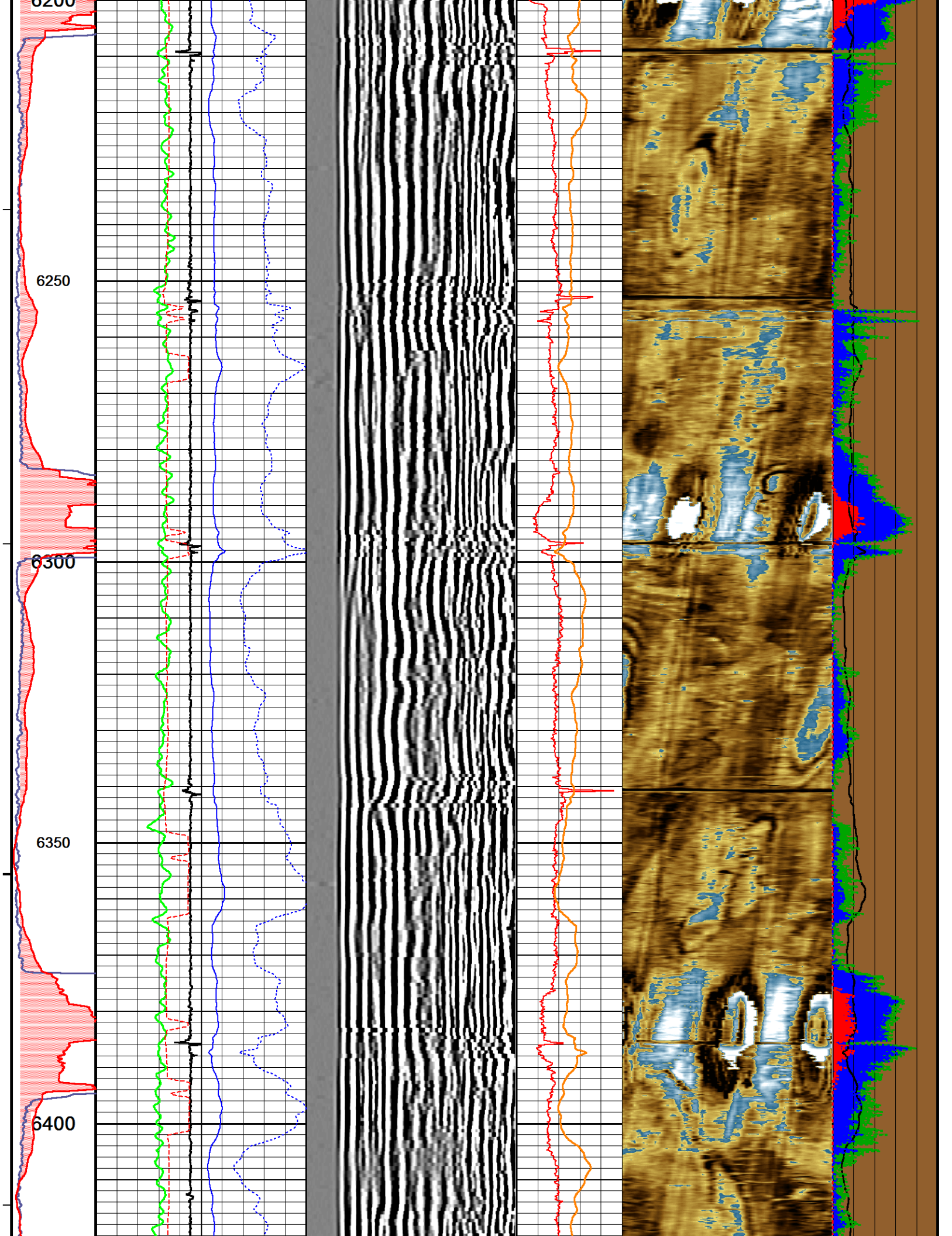


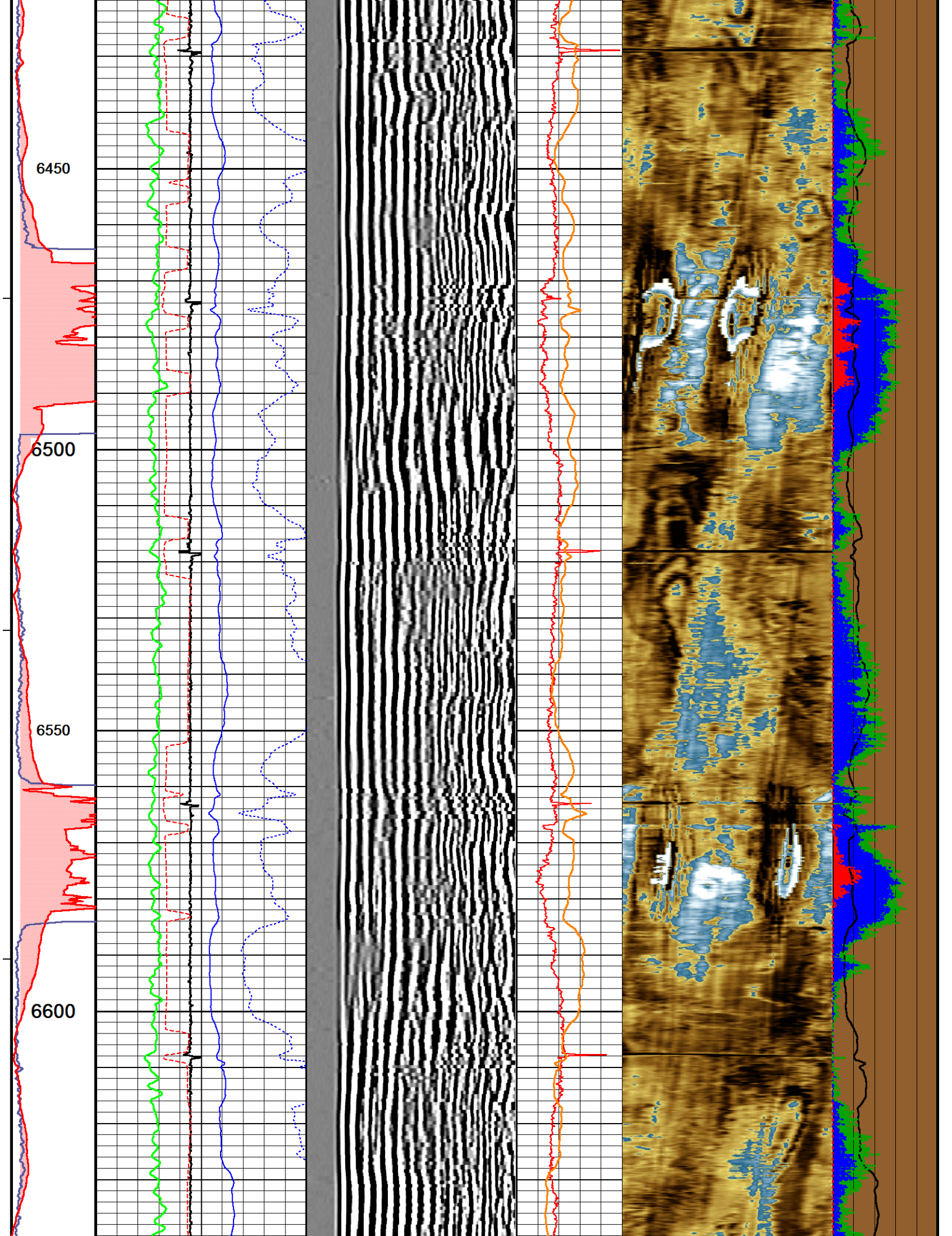


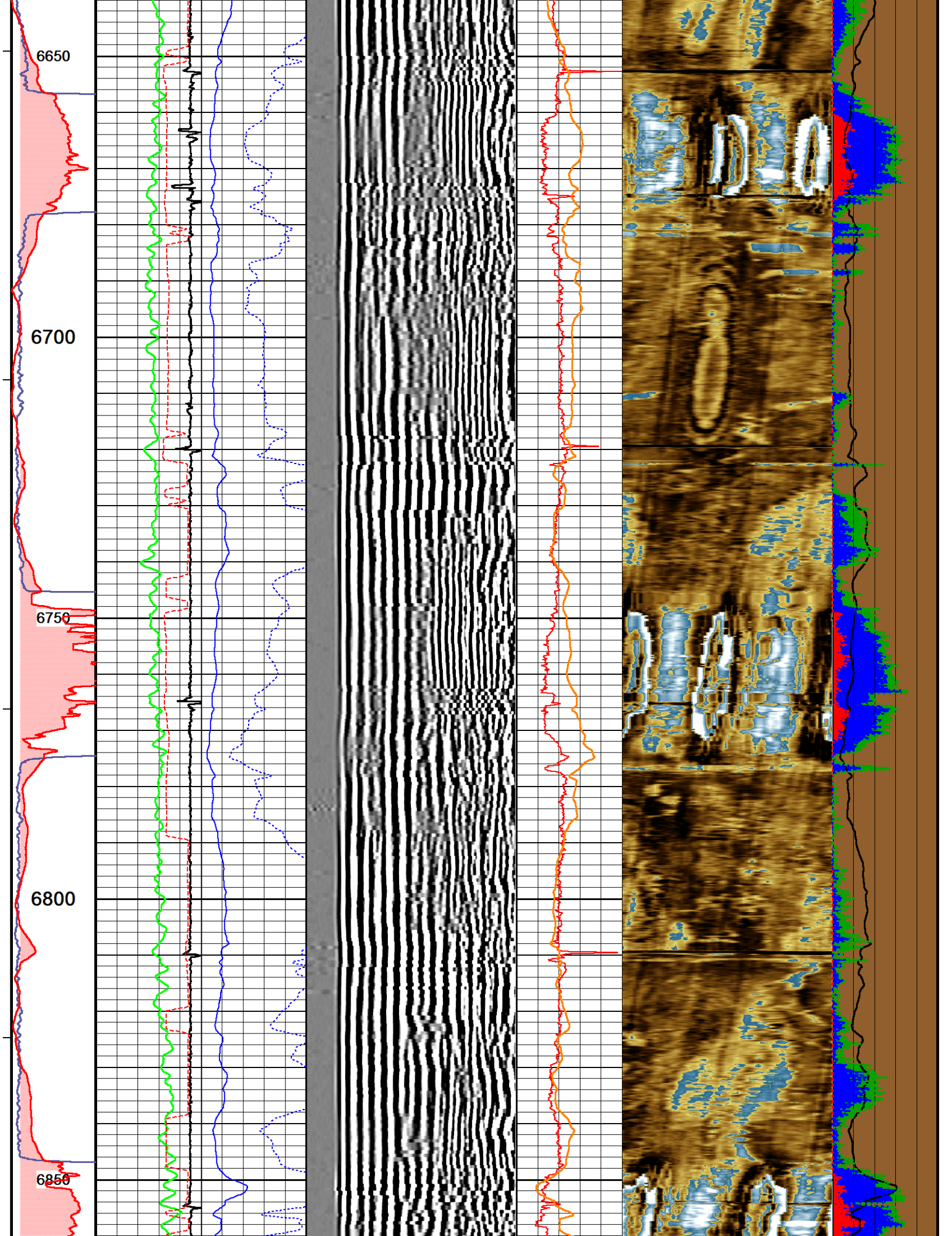


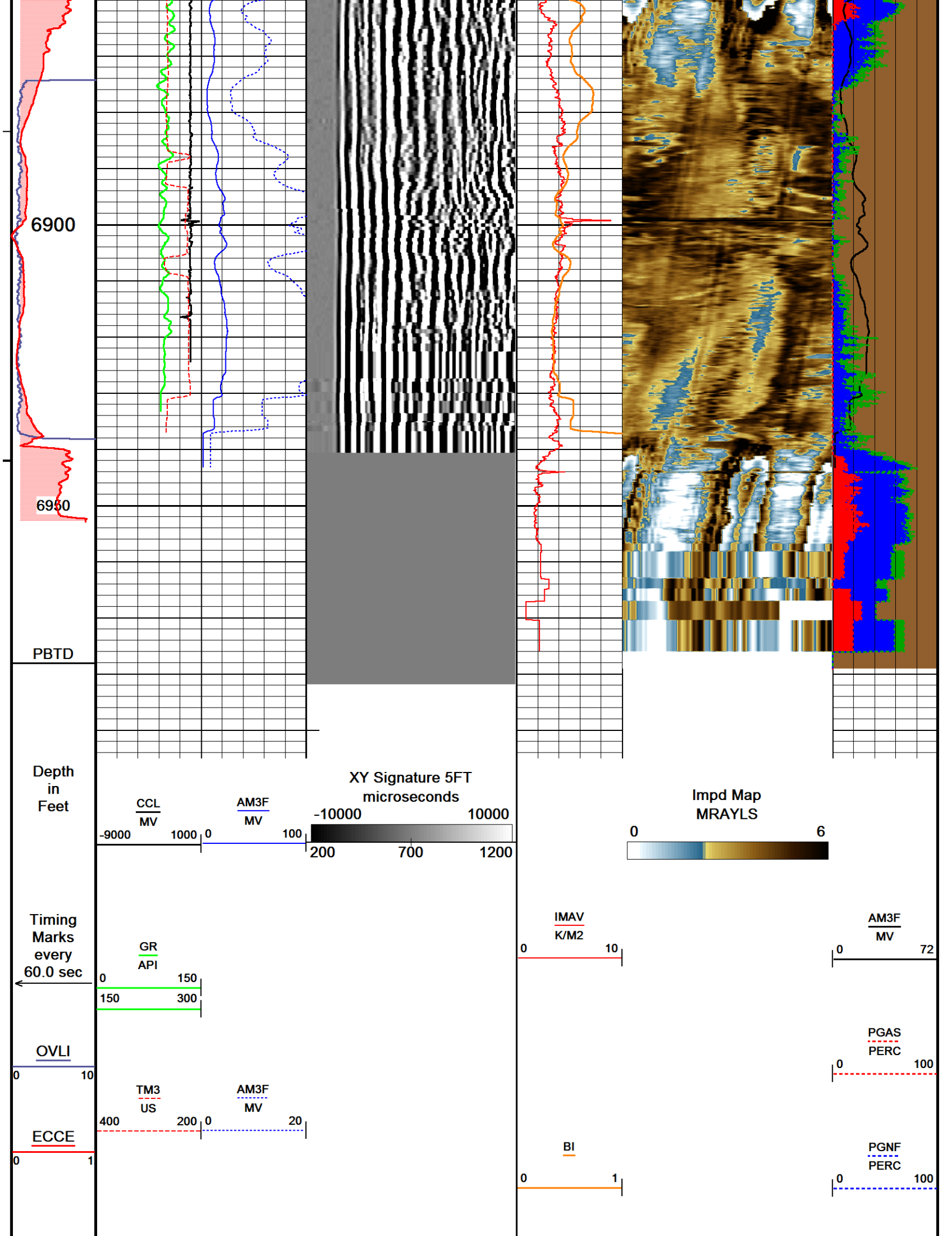












Replay
Scale
1:240

PCON
PERC
0100

Depth Based Data - Maximum Sampling Increment 2.5cm

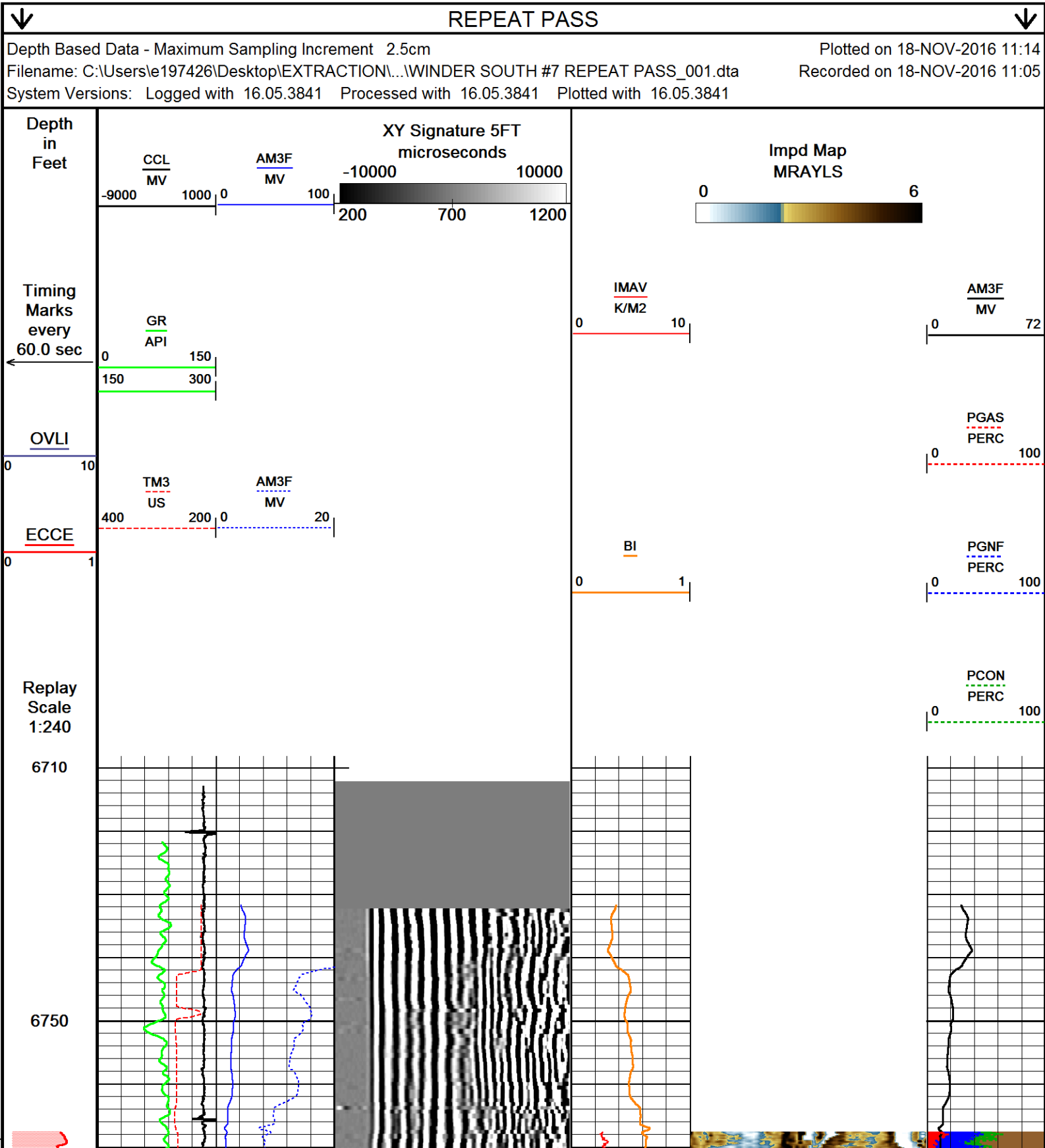
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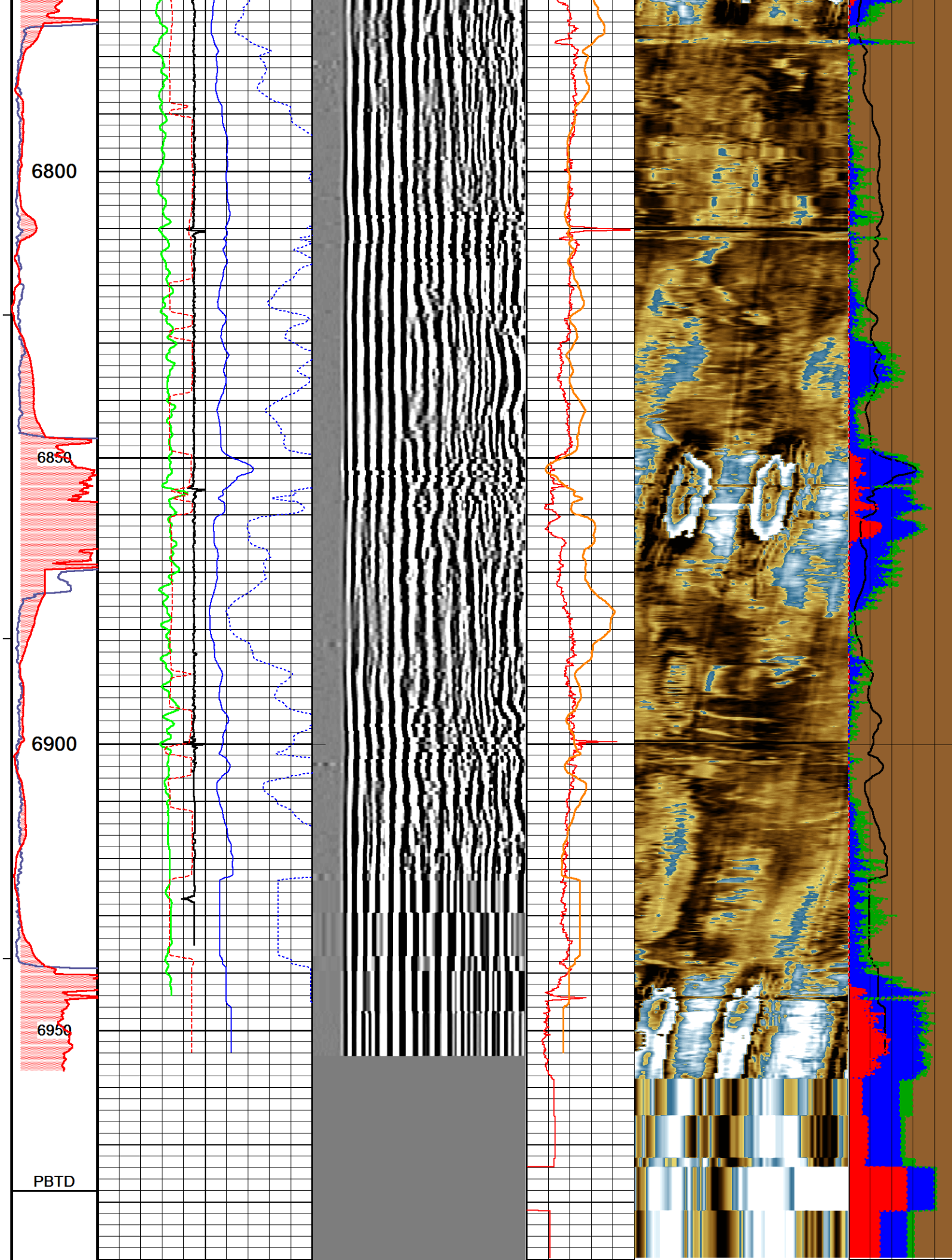
Filename: C:\Users\le197426\Desktop\EXTRACTION\WIN...\WINDER SOUTH #7 MAIN PASS_001.dta

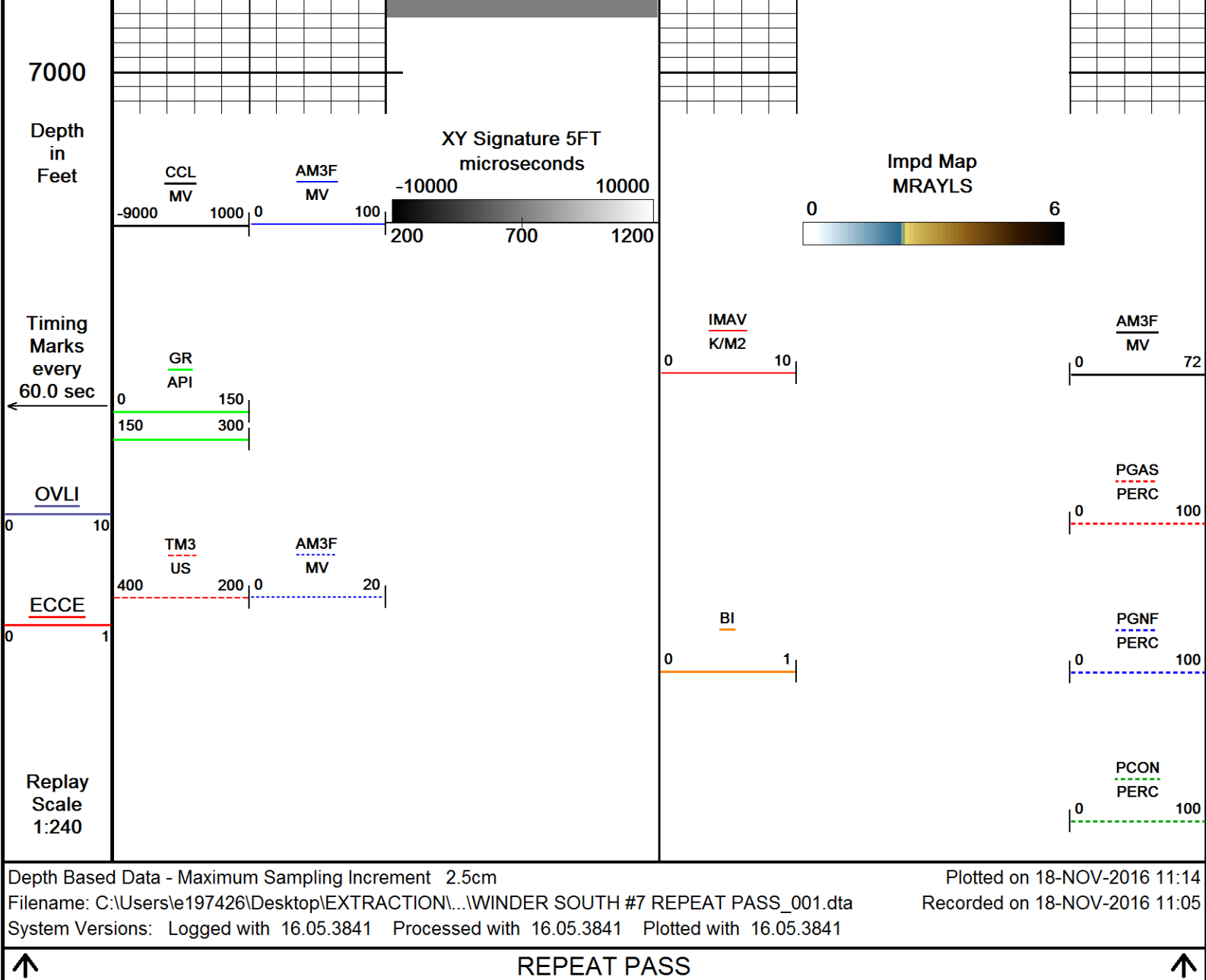
Recorded on 17-NOV-2016 22:18

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

MAIN PASS







SHOP AND FIELD CALIBRATIONS				
C:\Users\le197426\Desktop\EXTRACTION\WINDER SOUTH #7\WINDER SOUTH #7 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 22:18

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
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	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 17-NOV-2016 22:18

*** 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	3.85
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	OFF
RB Offset Angle	0.00 DEG
Cement Density	14.00 LB/G

DOWNHOLE EQUIPMENT

C:\Users\le197426\Desktop\EXTRACTIONWINDER SOUTH #7\WINDER SOUTH #7 MAIN PASS_001.dta

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

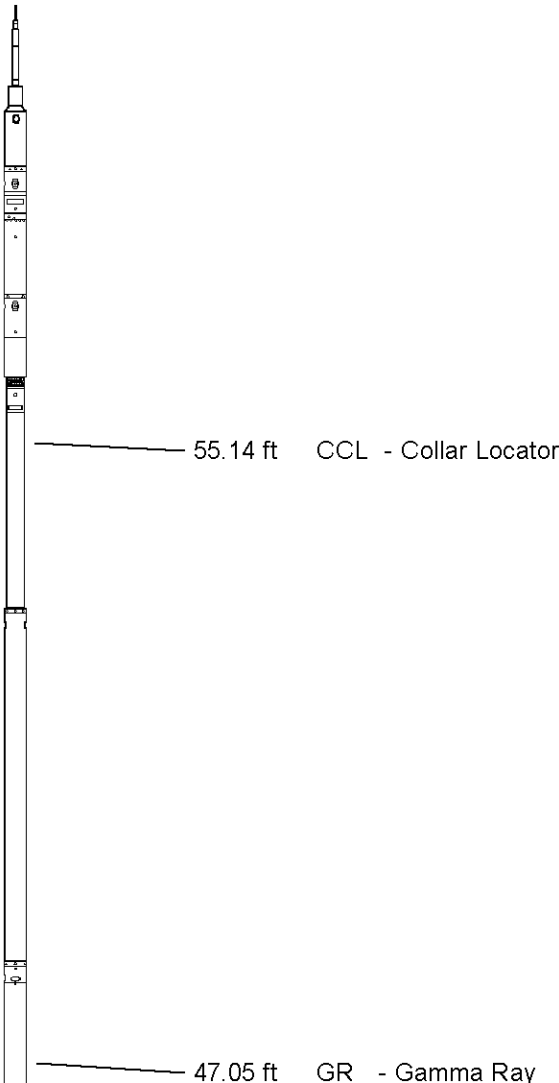
Crossover 1-pin to 55-pin for WCC-D
XOV-WC 128 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

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

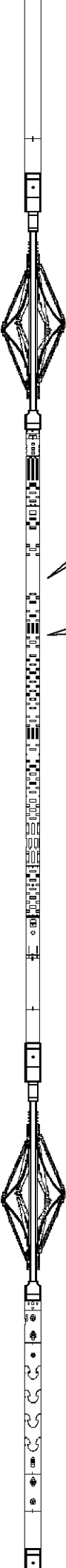
36.70 ft AM3F - Amplitude 3FT
36.70 ft TM3 - Travel Time 3FT

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

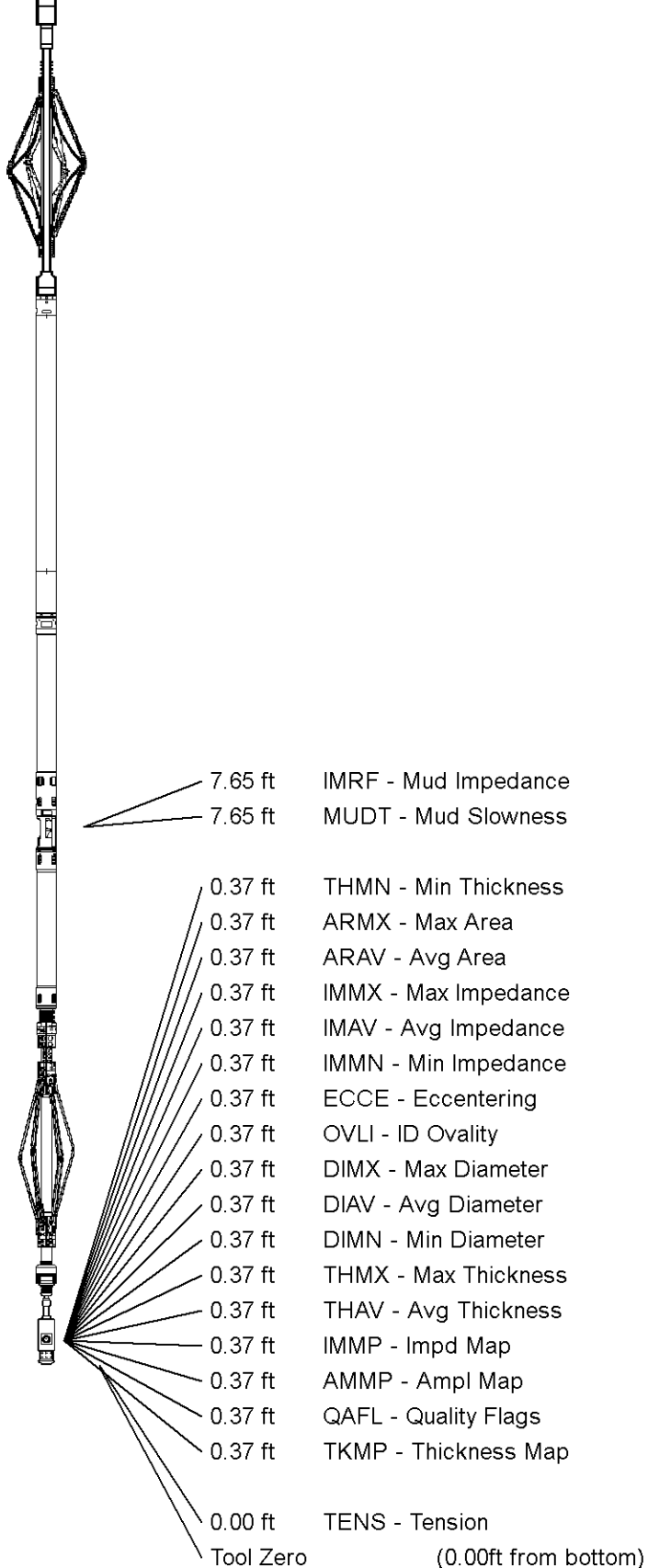
URS Sonde Section

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 #7
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	USA / COLORADO

Elevation Kelly Bushing	0	feet	Bottom Log Interval	6978.00	feet
Elevation Drill Floor	0	feet	Depth Driller		feet
Elevation Ground Level	0	feet	Depth Logger	6978.00	feet



Weatherford®

SECUREVIEW
ULTRAVIEW / BONDVIEW
CEMENT ANALYSIS