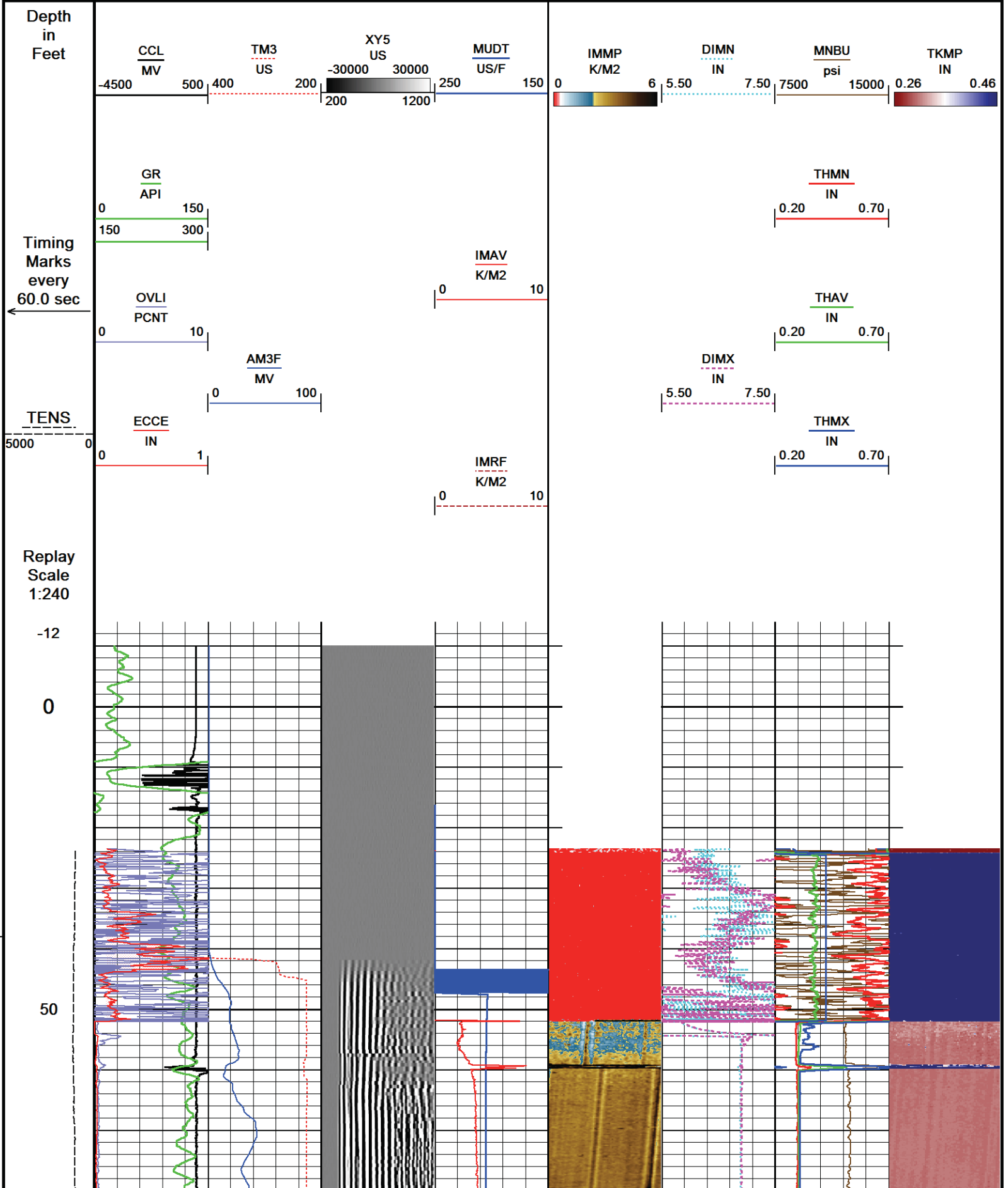
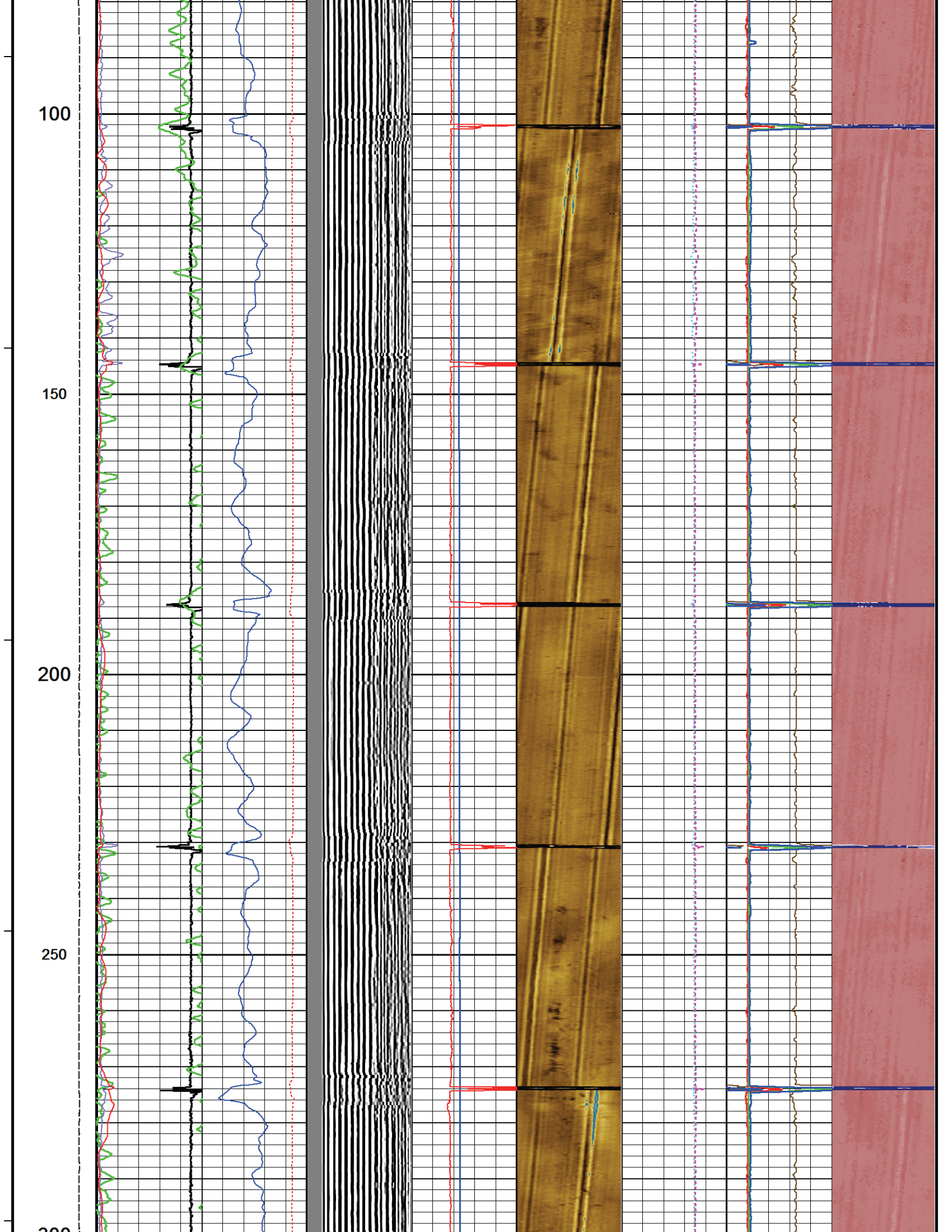
 <b>Weatherford®</b>				<b>SECUREVIEW</b> <b>ULTRAVIEW / BONDVIEW</b> <b>LOG</b>			
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				BONANZA CREEK ENERGY STATE NORTH PLATTE K-35-36MRLNB WATTENBERG WELD UNITED STATES / COLORADO 540' FSL & 2552' FEL			
SEC 26	TWP 5N	RGE 63W	Other Services MSC				
Latitude Longitude API Number		05-123-46387		Elevations: KB 4568.00 DF 4568.00 GL 4551.00			
Permanent Datum GL, Elevation 4551 feet							
Log Measured From KB, 17.00 feet above Permanent Datum							
Drilling Measured From KB							
Date	02-JUN-2018		PERFORATION RECORD				
Run Number	ONE		Shot	Number	Depth From	Depth To	
Service Order	215135862		Density	of Shots	feet	feet	
Type Log	Type Log						
Depth Driller	14067.00						
Depth Logger	6120.00						
Top Log Interval	0.00						
Bottom Log Interval	6120.00						
Hole Fluid Type	WATER						
Hole Fluid Level	0.00						
Restriction ID	9.892		Gun Type				
Max Recorded Temp	201.00		Gun Size				
Well Head Pressure	0.00		CASING / TUBING RECORD				
Well Head Equipment	5 1/8" 5K		Size	Weight	Depth From	Depth To	
Time Well Ready	R.O.A		inches	pounds/ft	feet	feet	
Time Logger Bottom	SEE LOG		9.625	36.00	0.00		
Unit	14122		5.500	17.00	0.00		
Equipment Name	WSS-E						
Base	CASPER						
Recorded By	J. RICHARDS						
Witnessed By	K. DODGE						

CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	J 55	LT C	9.625	0.00		36.00
PRODUCTION	P 110	LT C	5.500	0.00		17.00

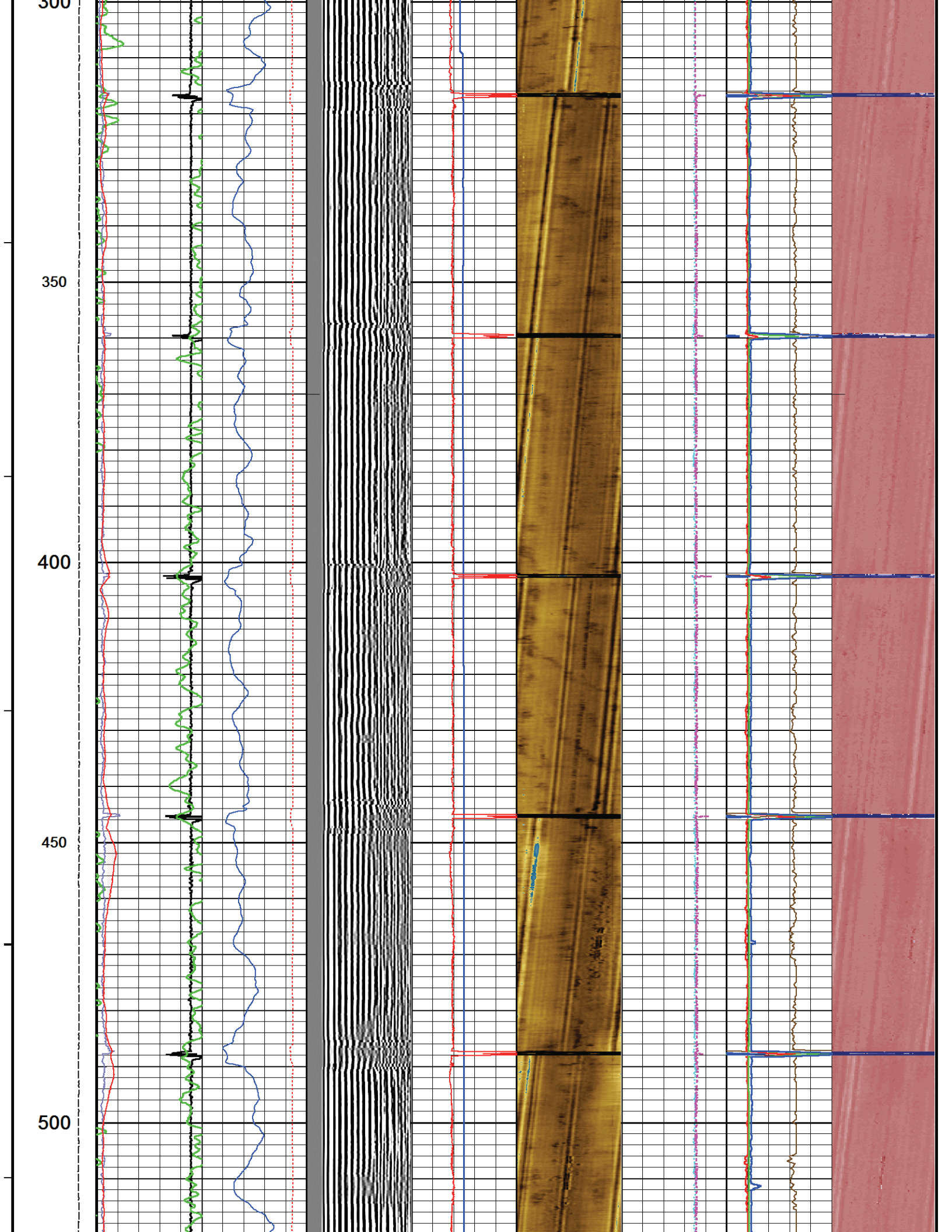
REMARKS
DATA WERE CORRELATED TO RIG KB @17' ABOVE GL
STANDARD FREE PIPE AMPLITUDE IN 5.5" 17# CASING IS 72mV
BURST PRESSURE WAS CALCULATED USING 5.5" 17# P-110 CASING
CREW: T. PARSONS A. BITTLESTON

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









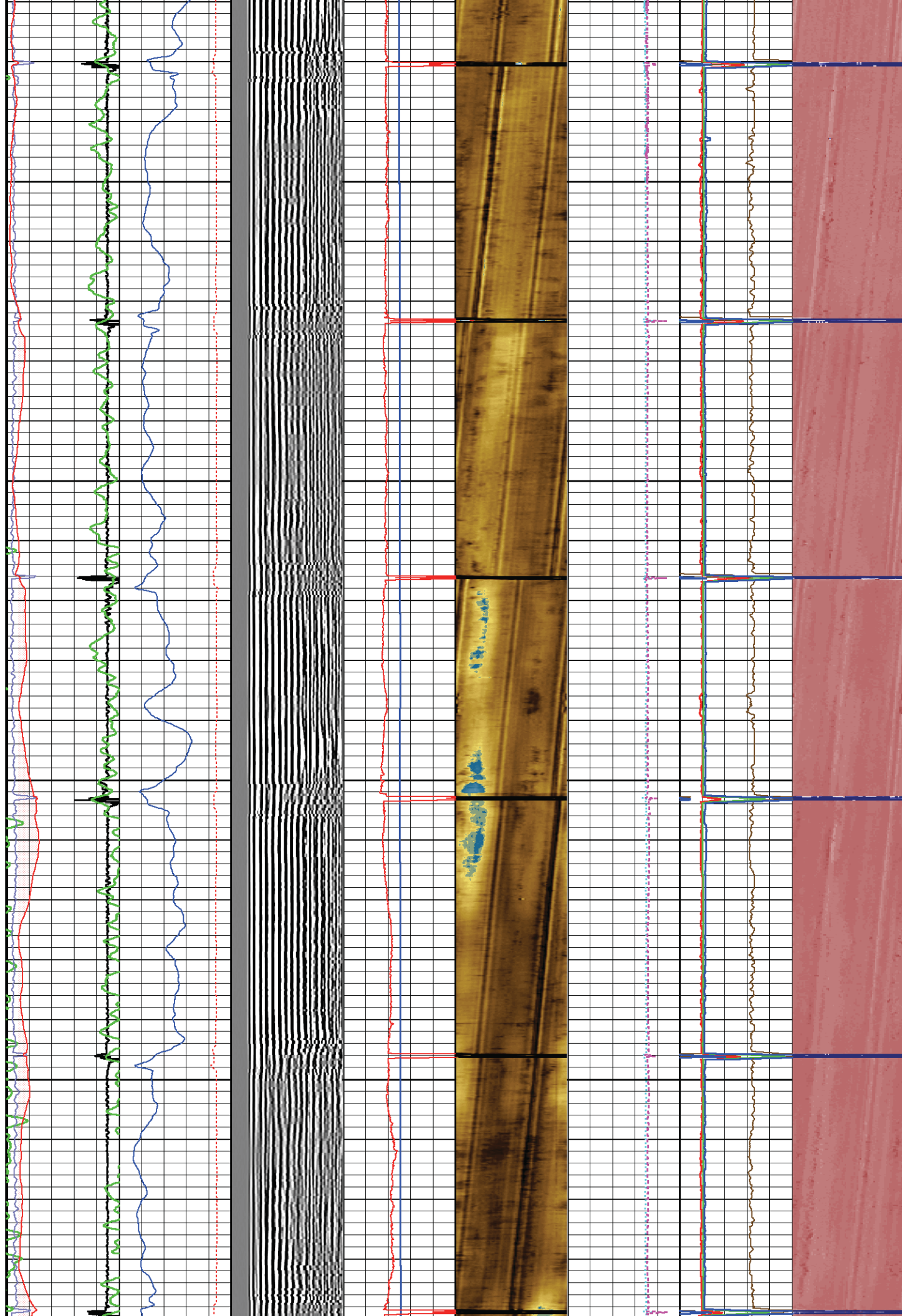


550

600

650

700



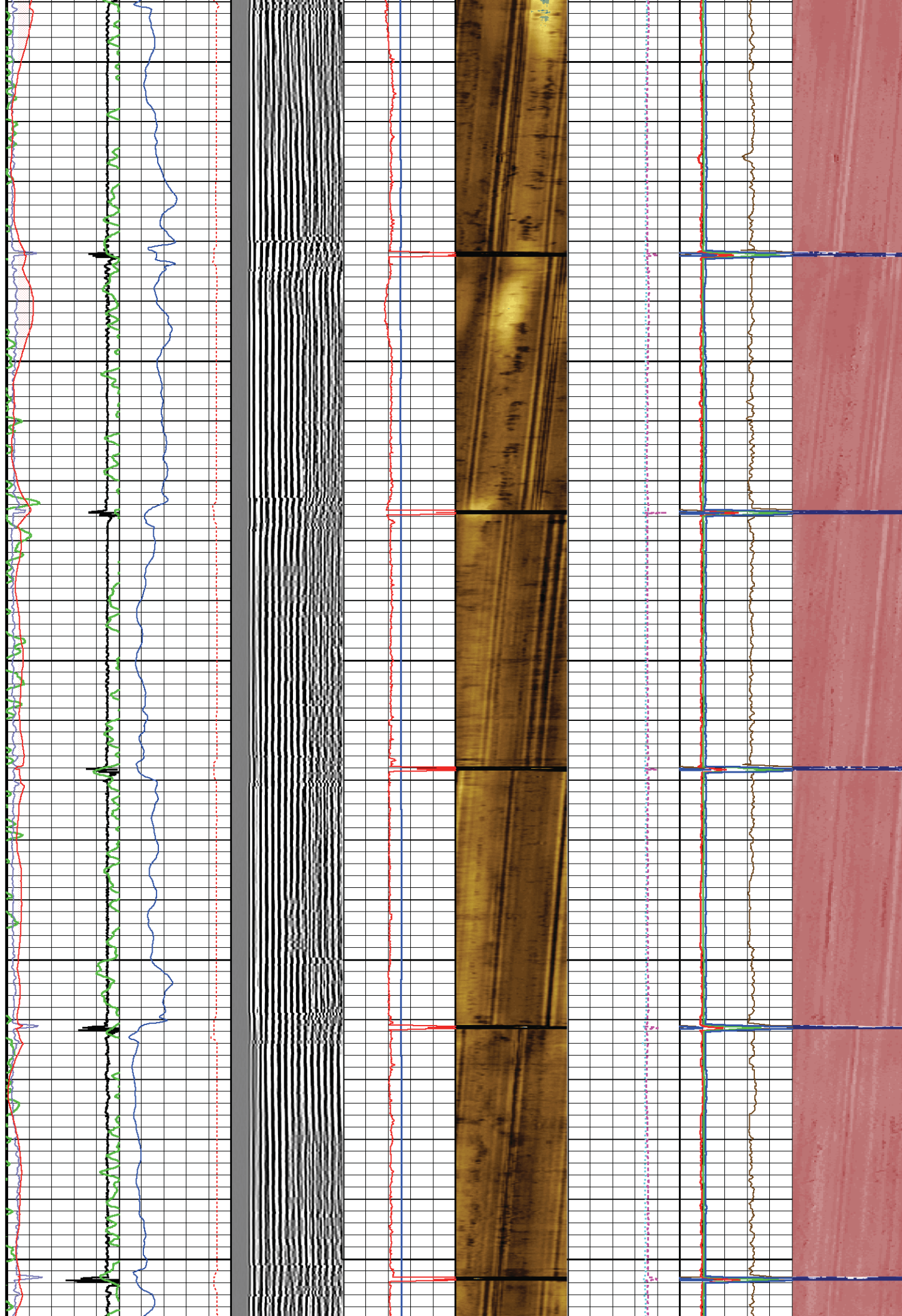
750

800

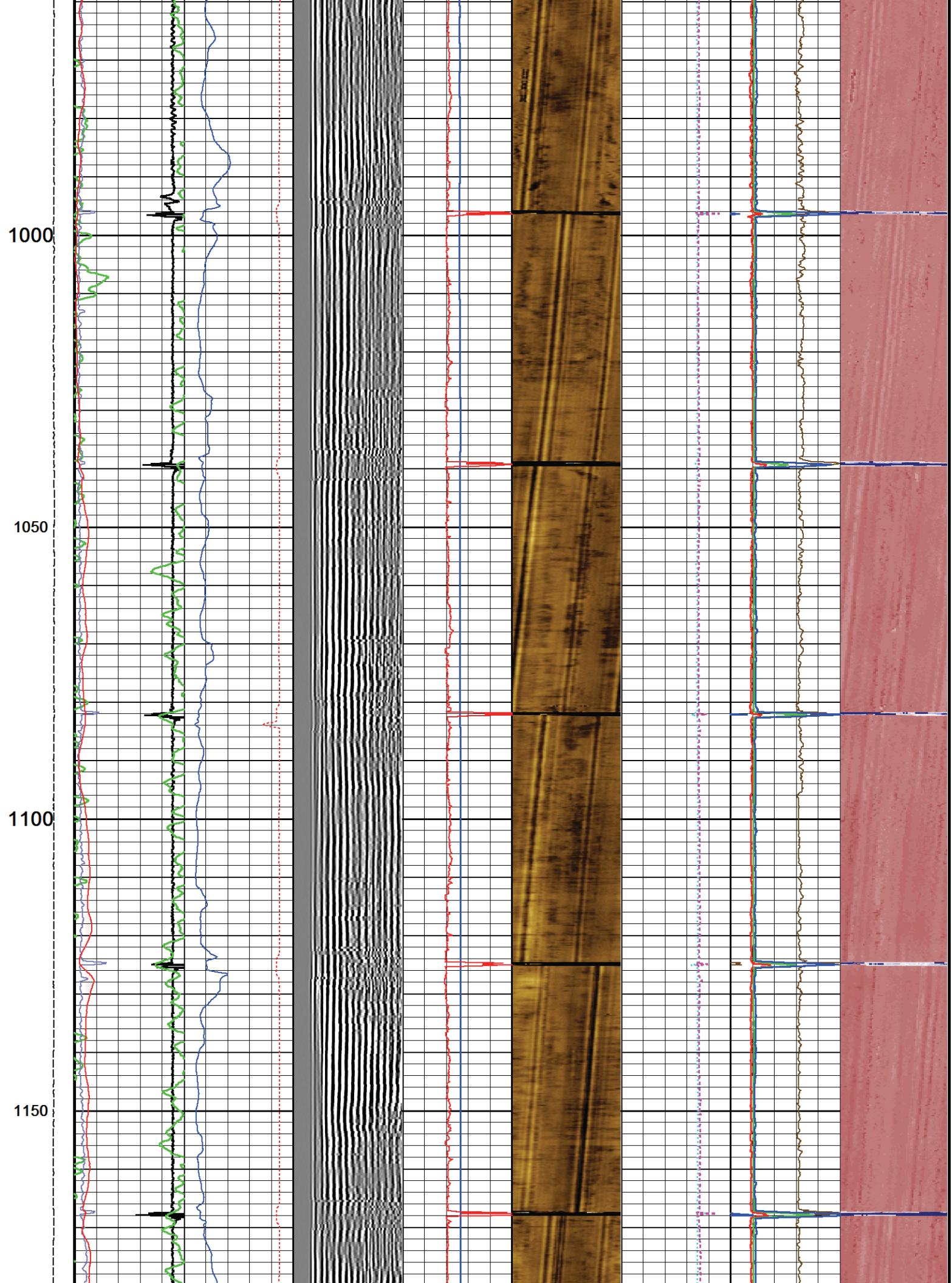
850

900

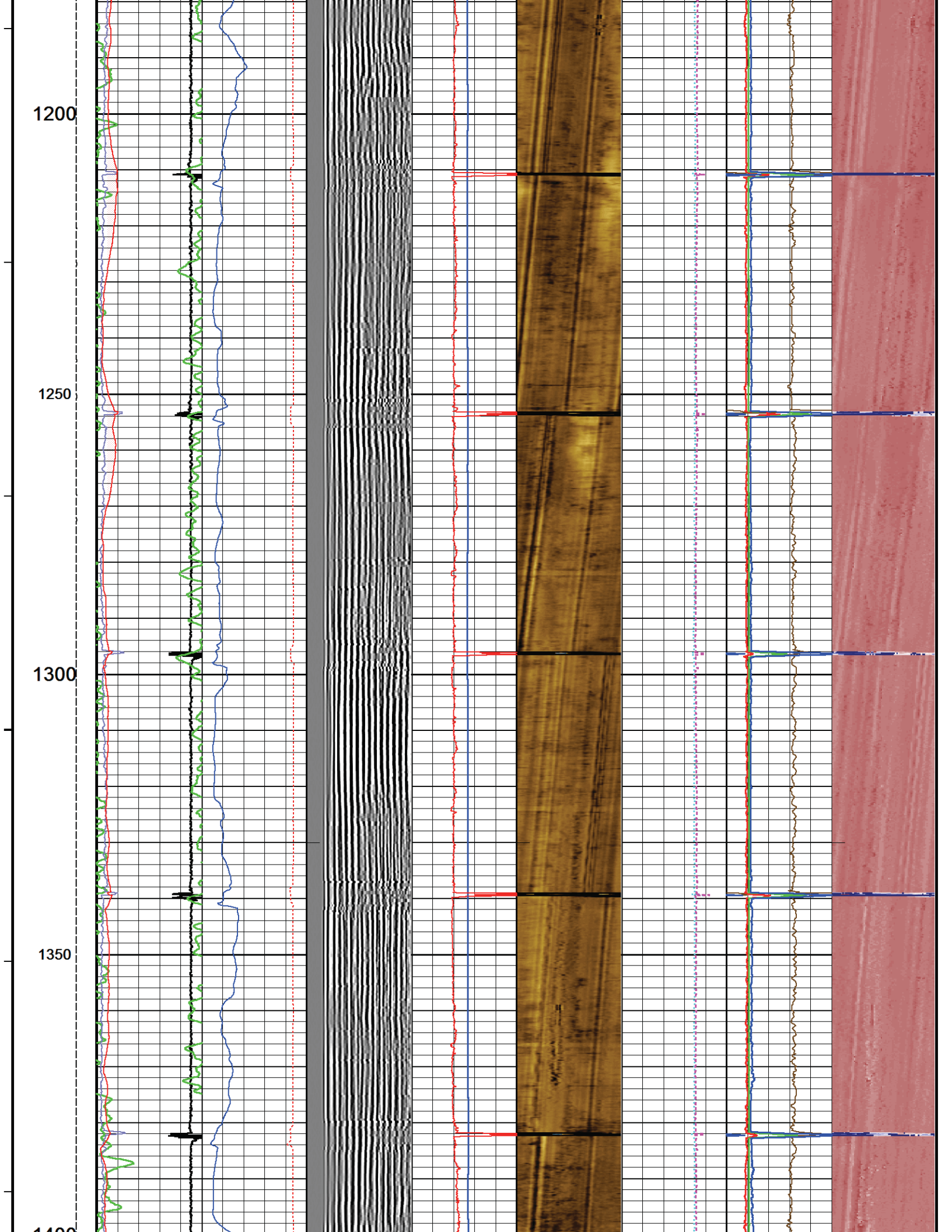
950

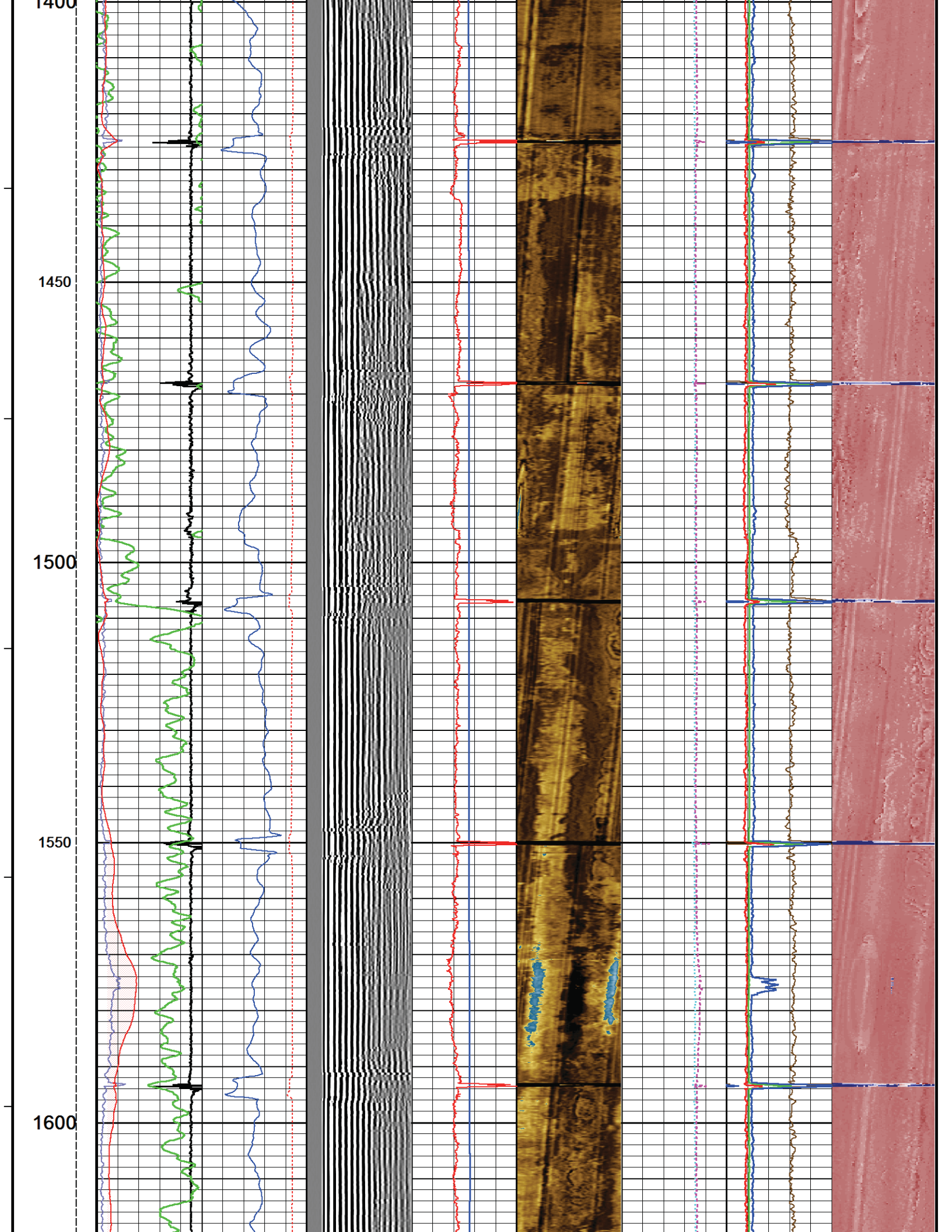




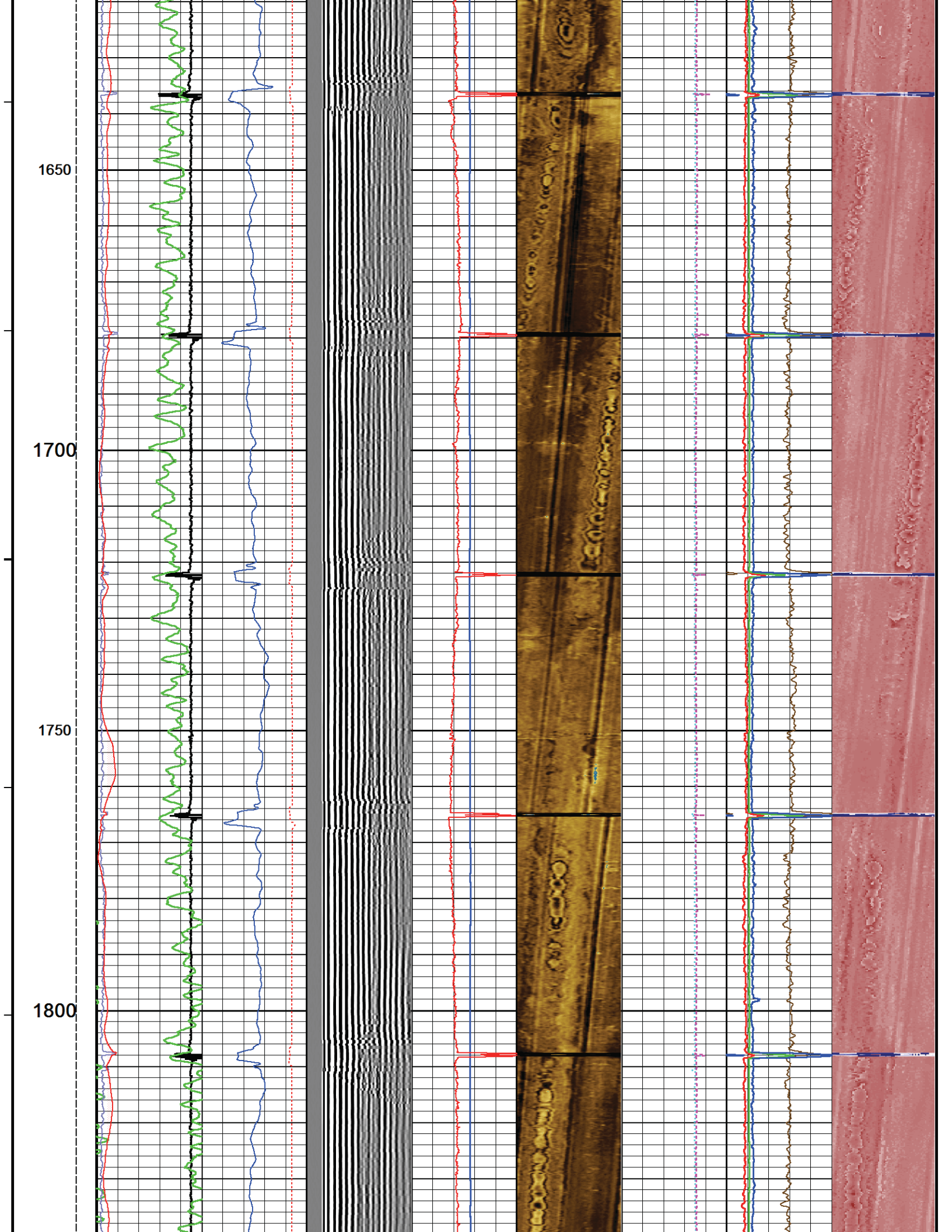




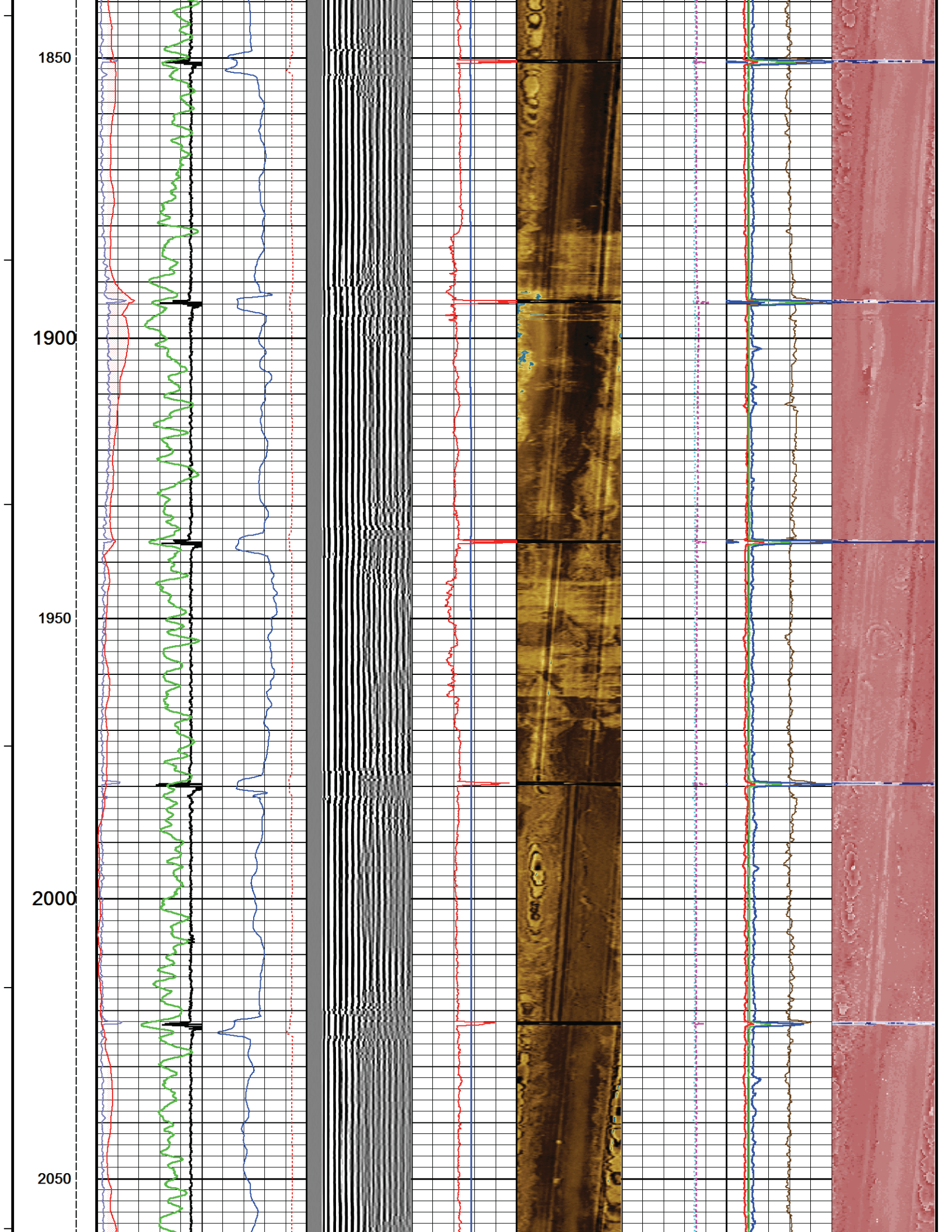


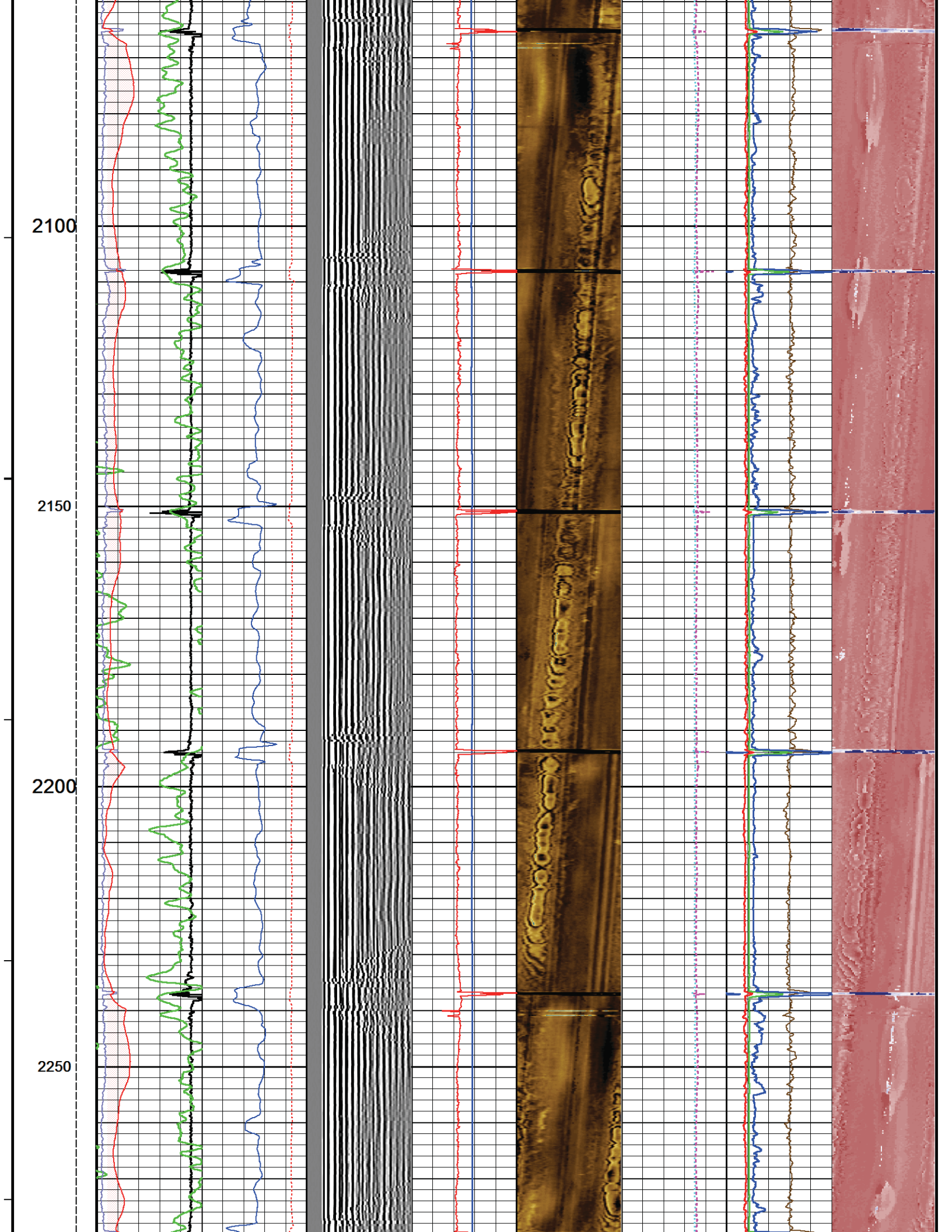




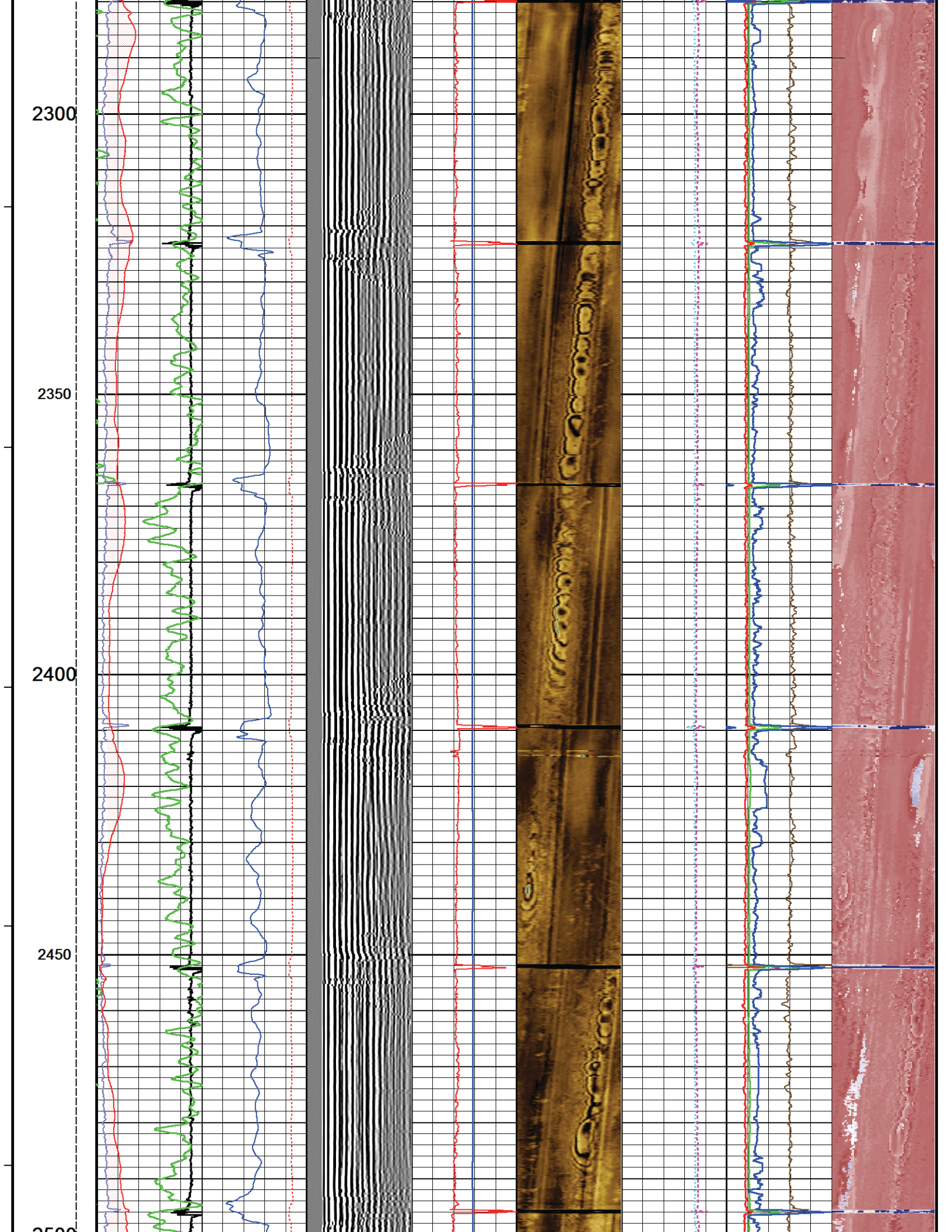




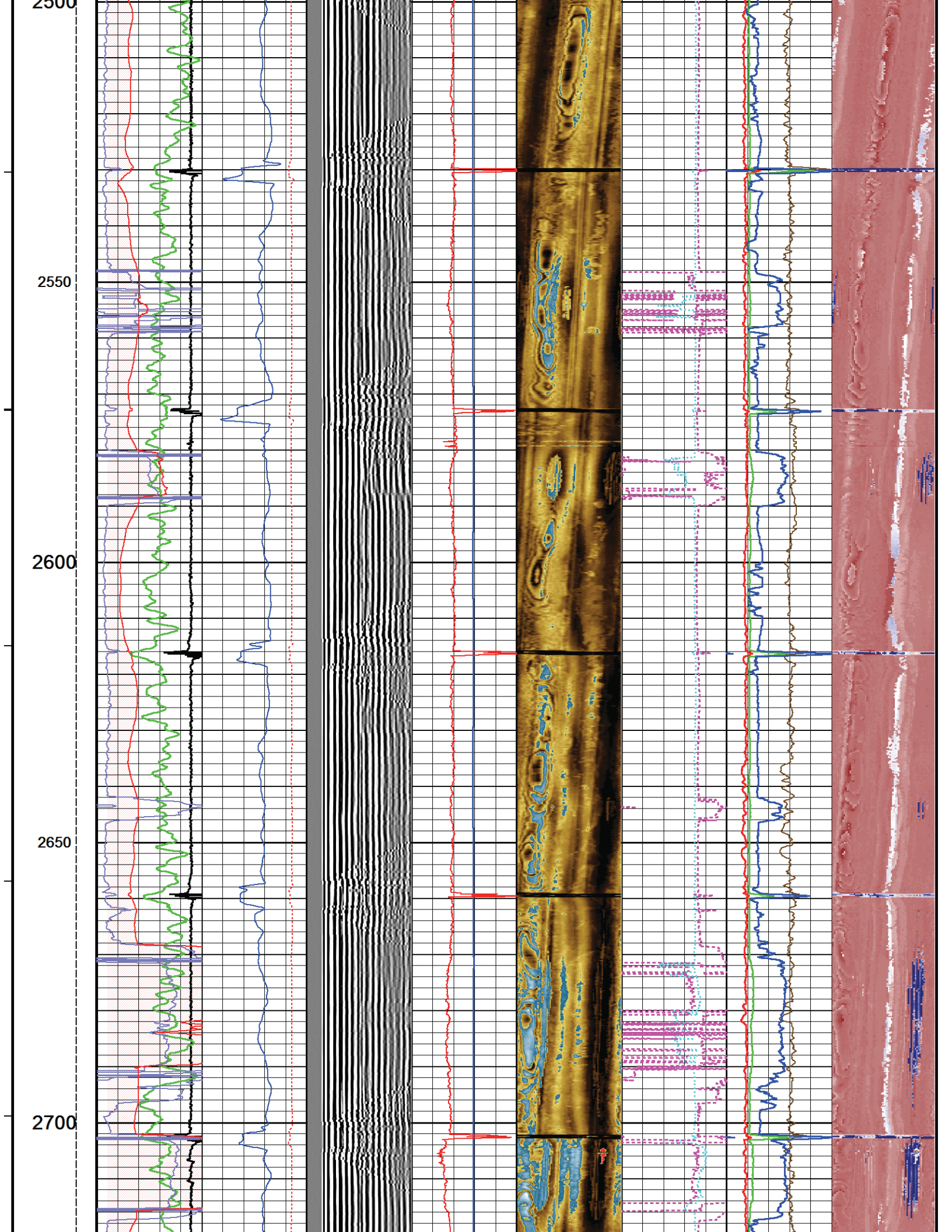


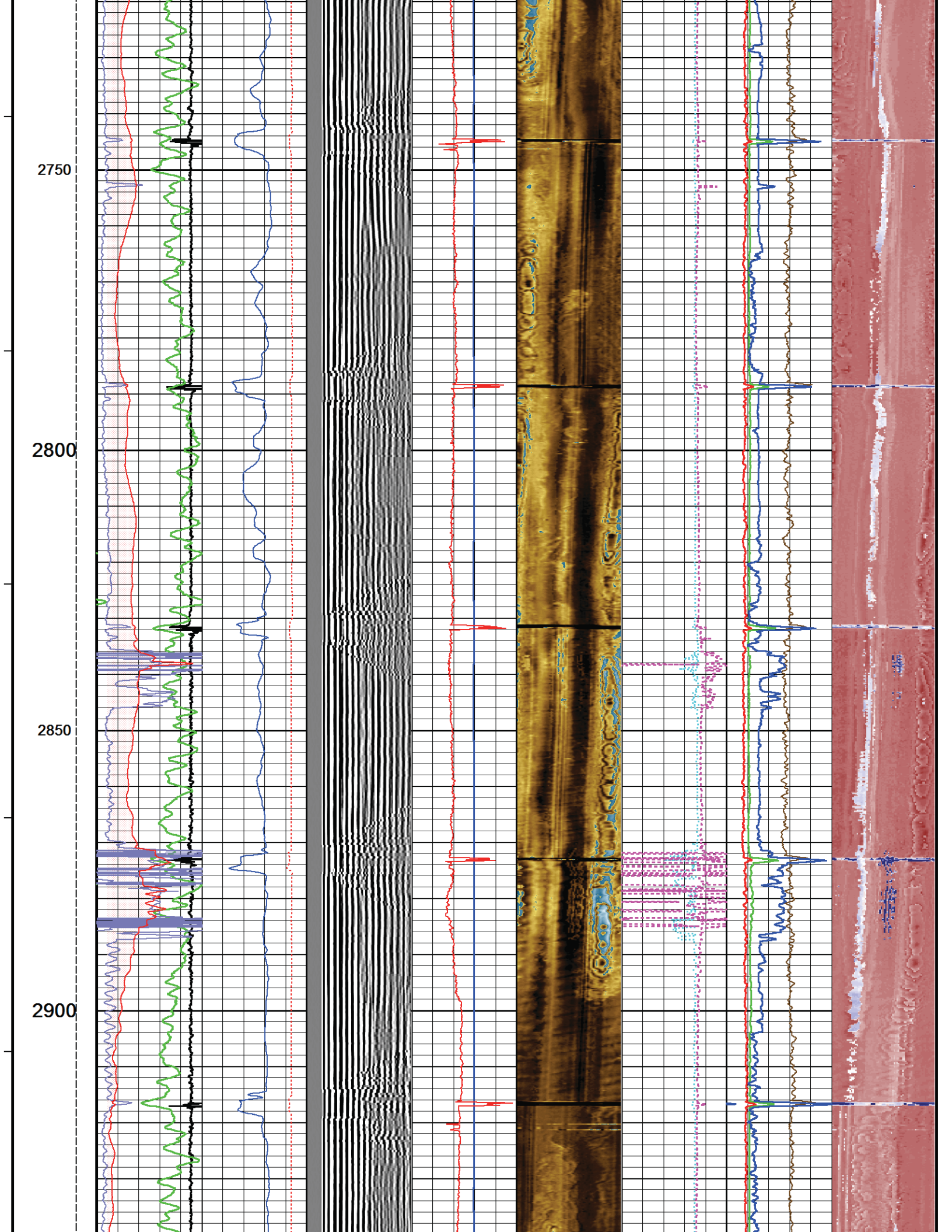




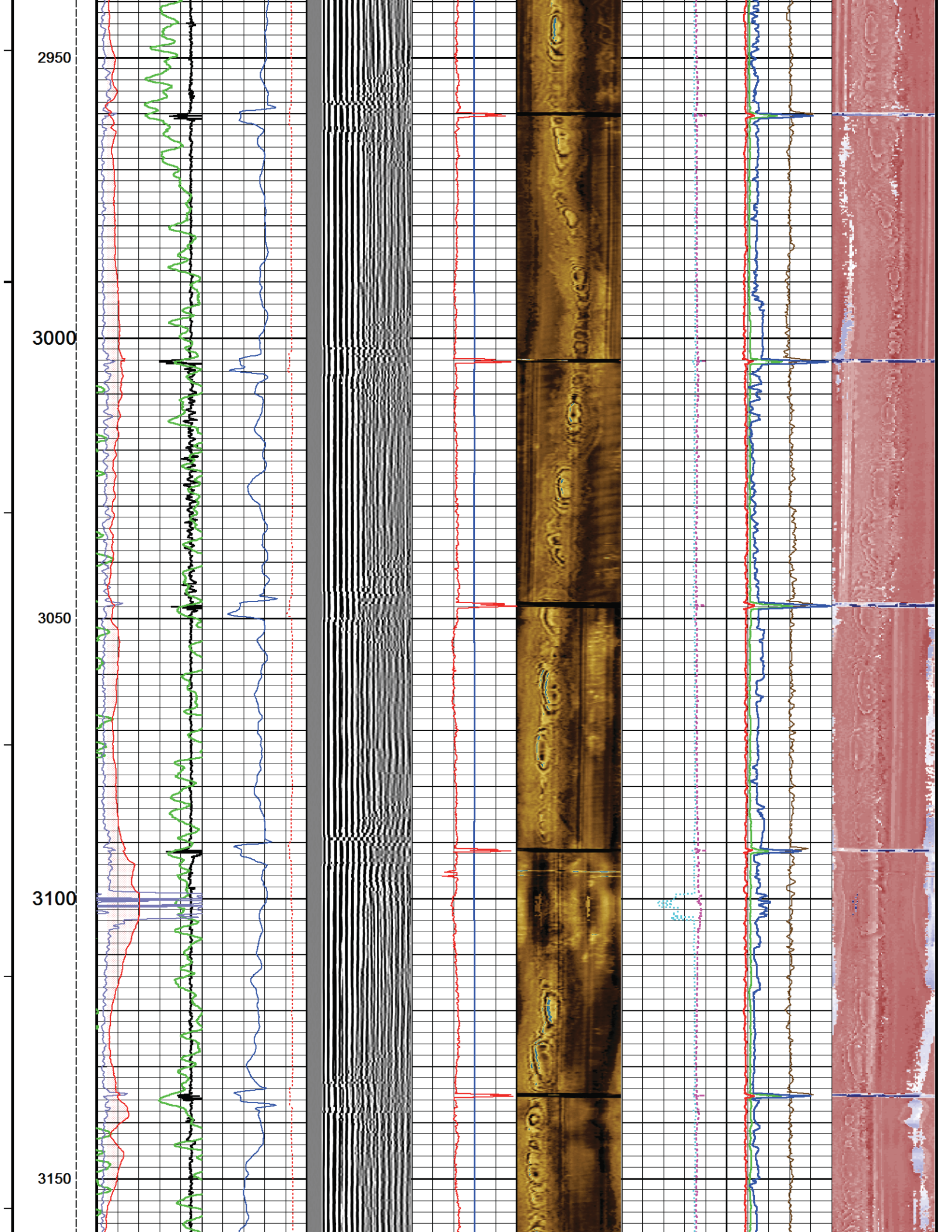




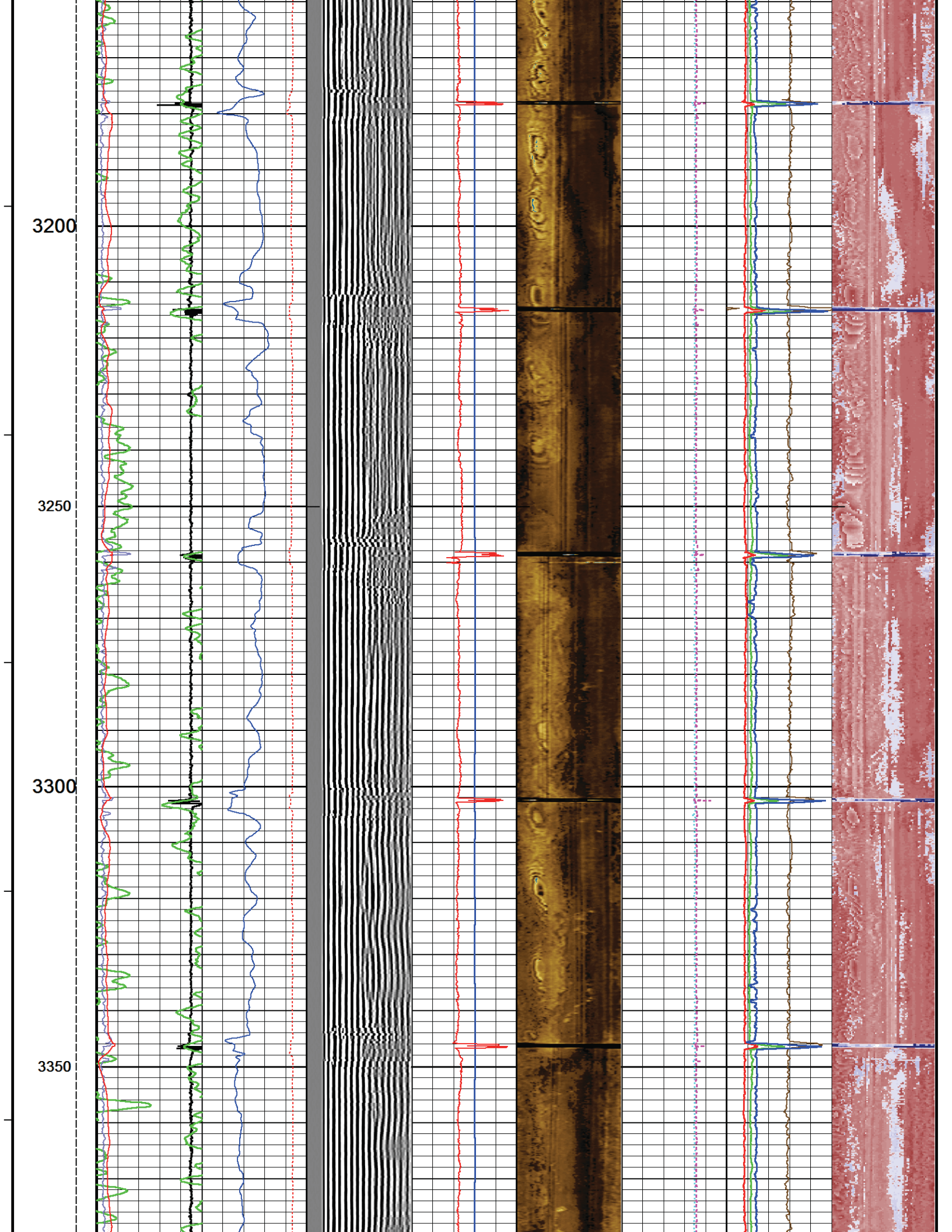


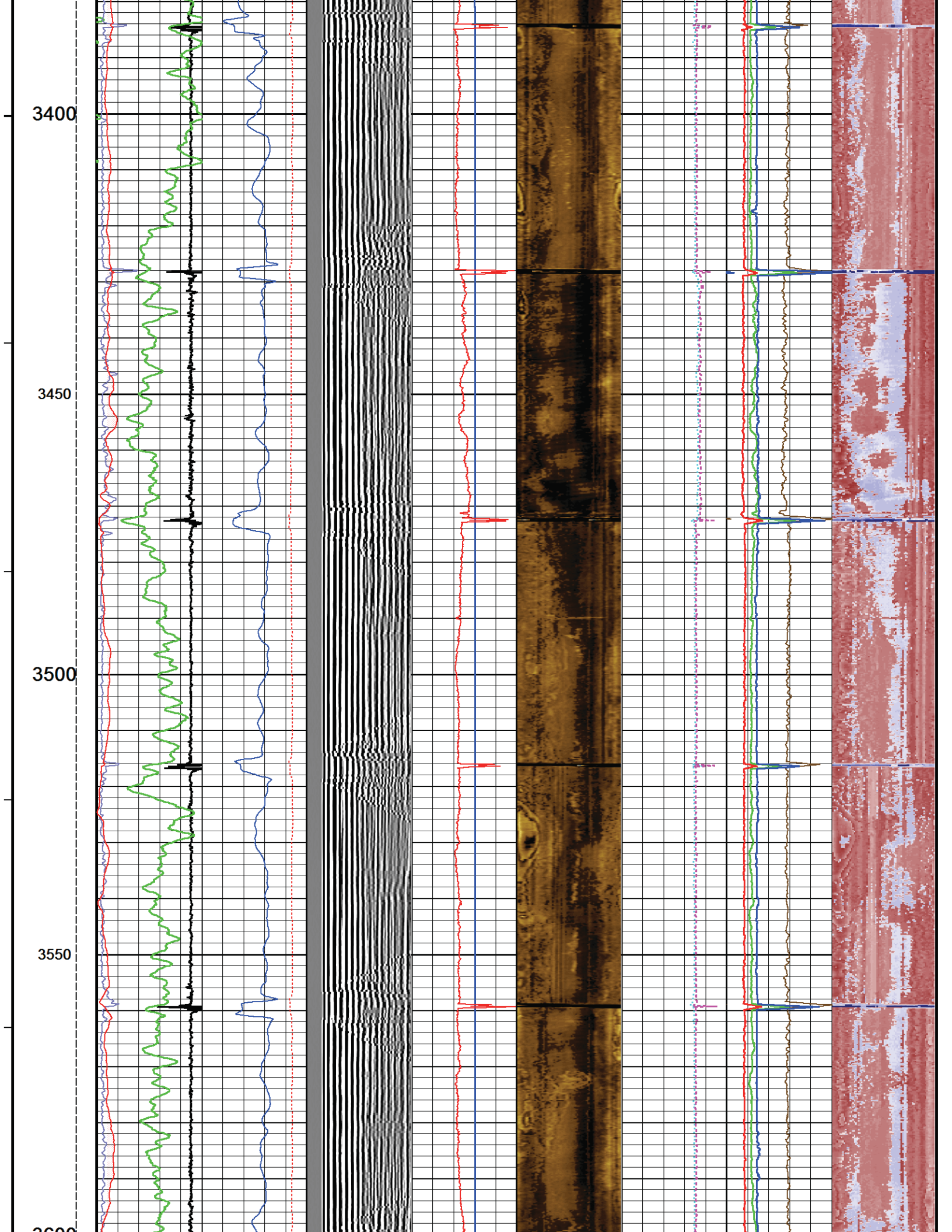




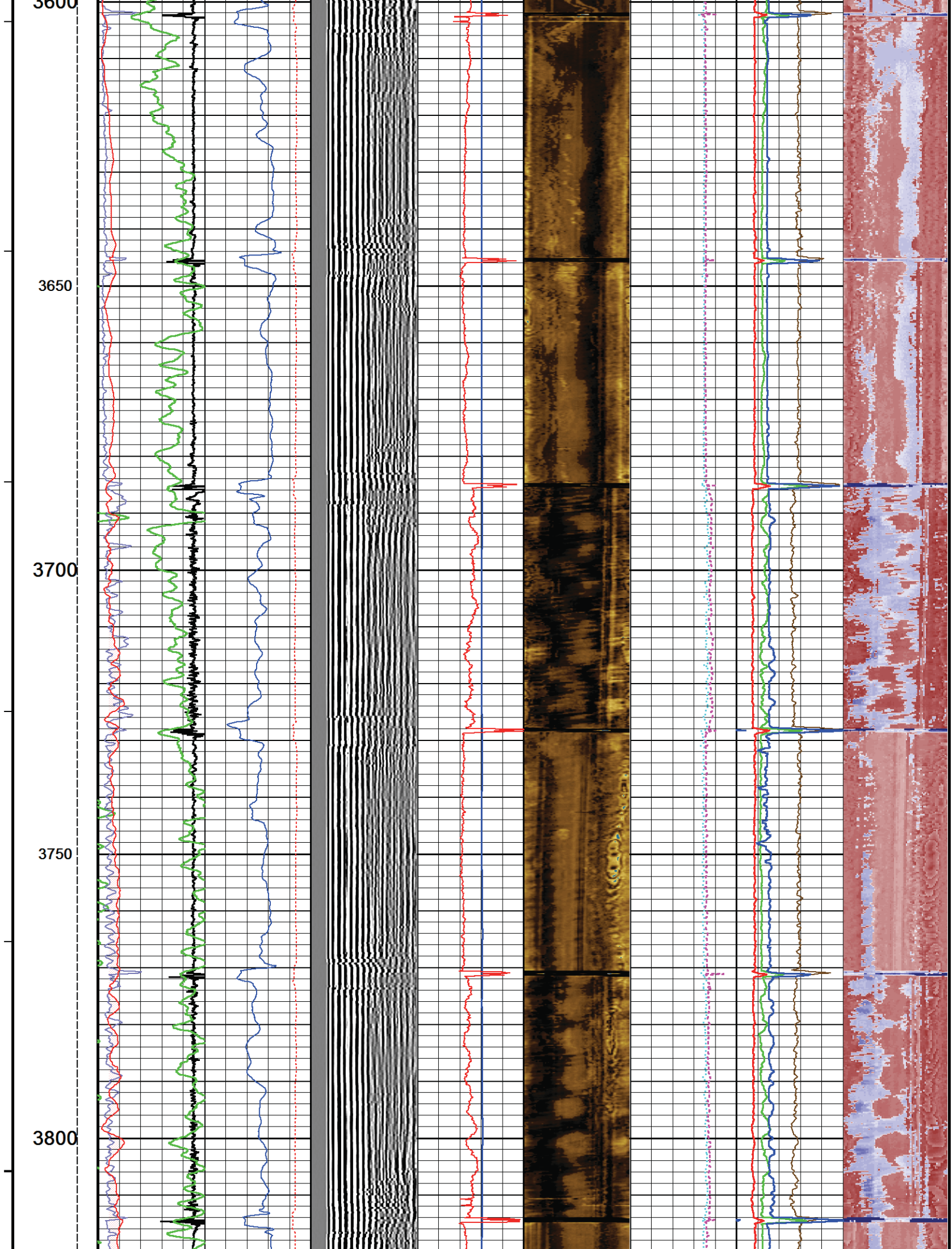


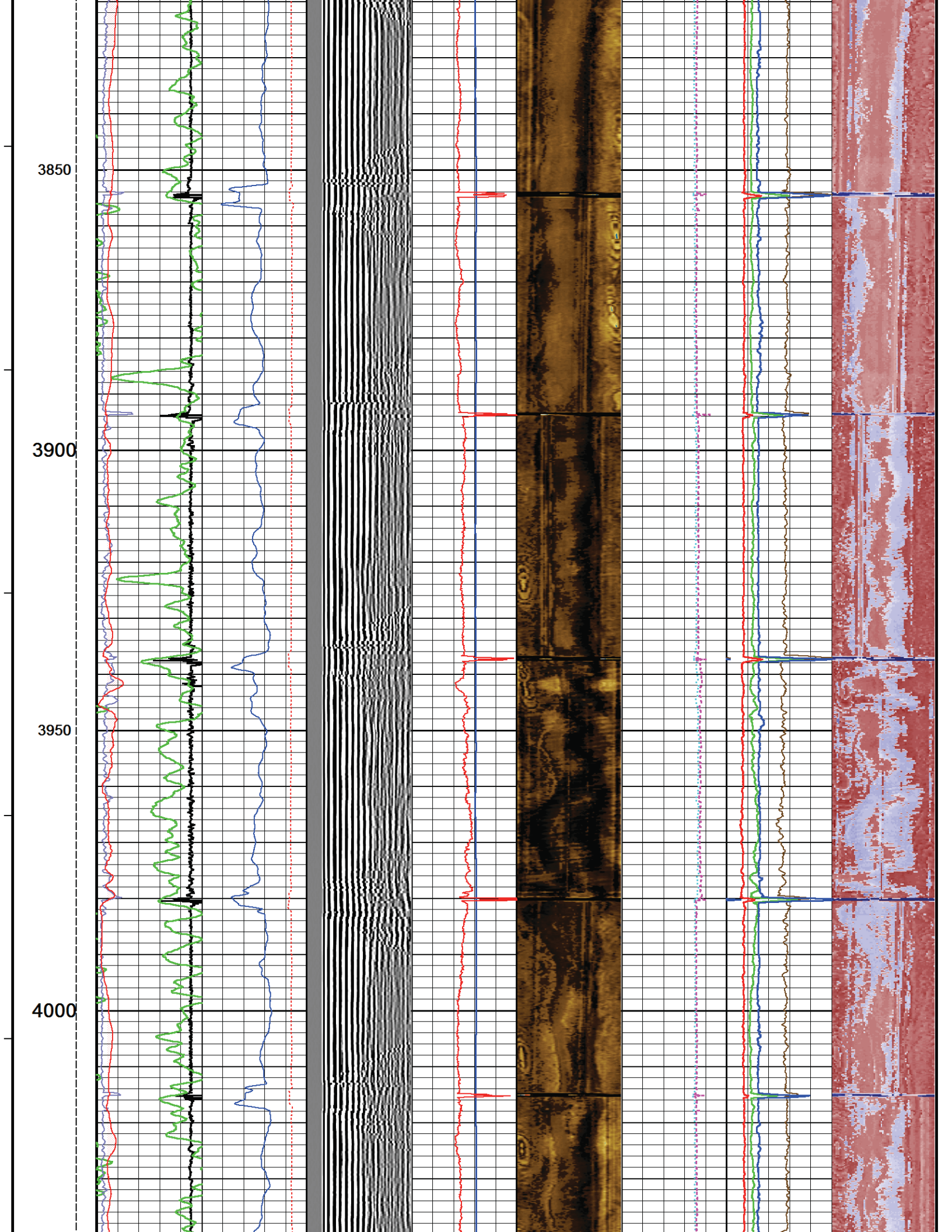




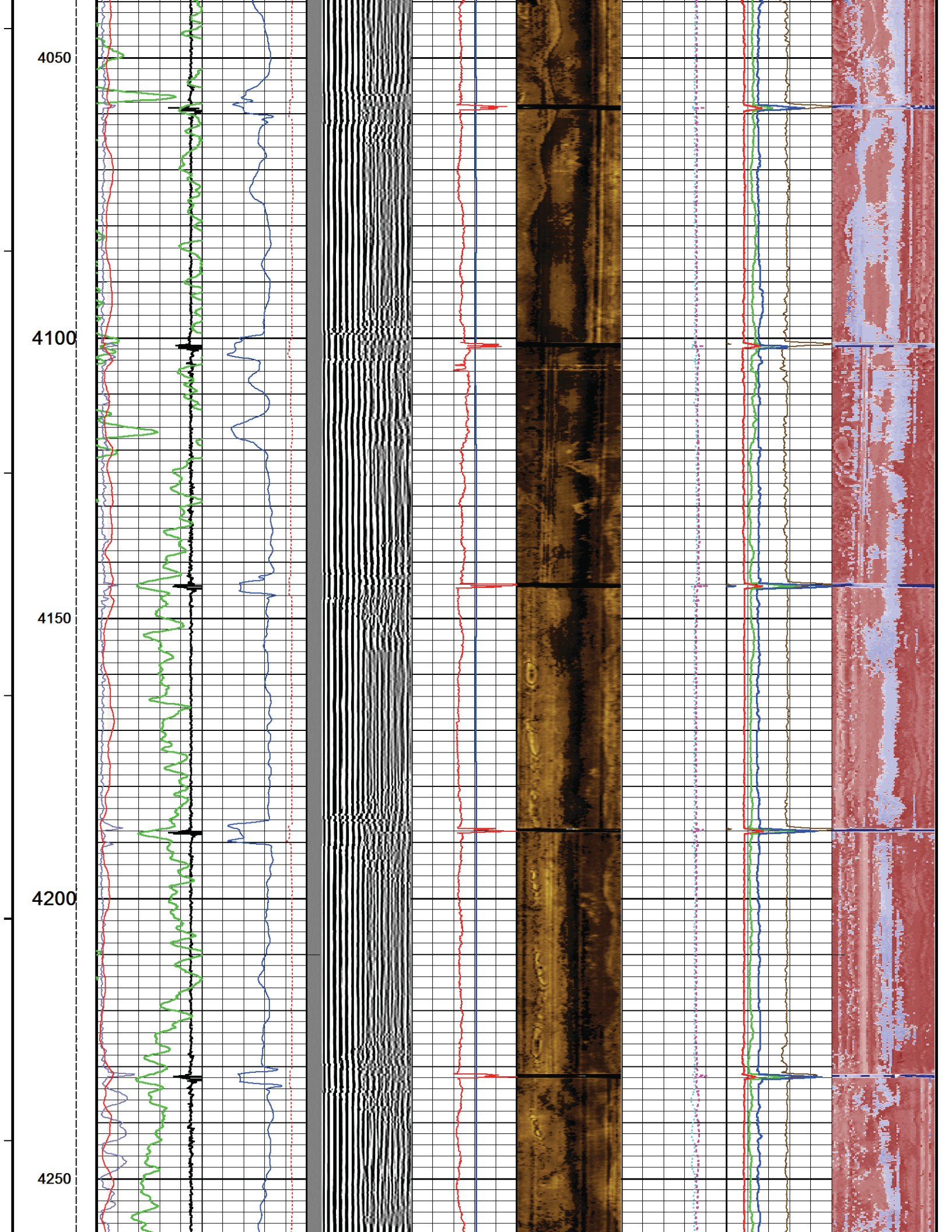


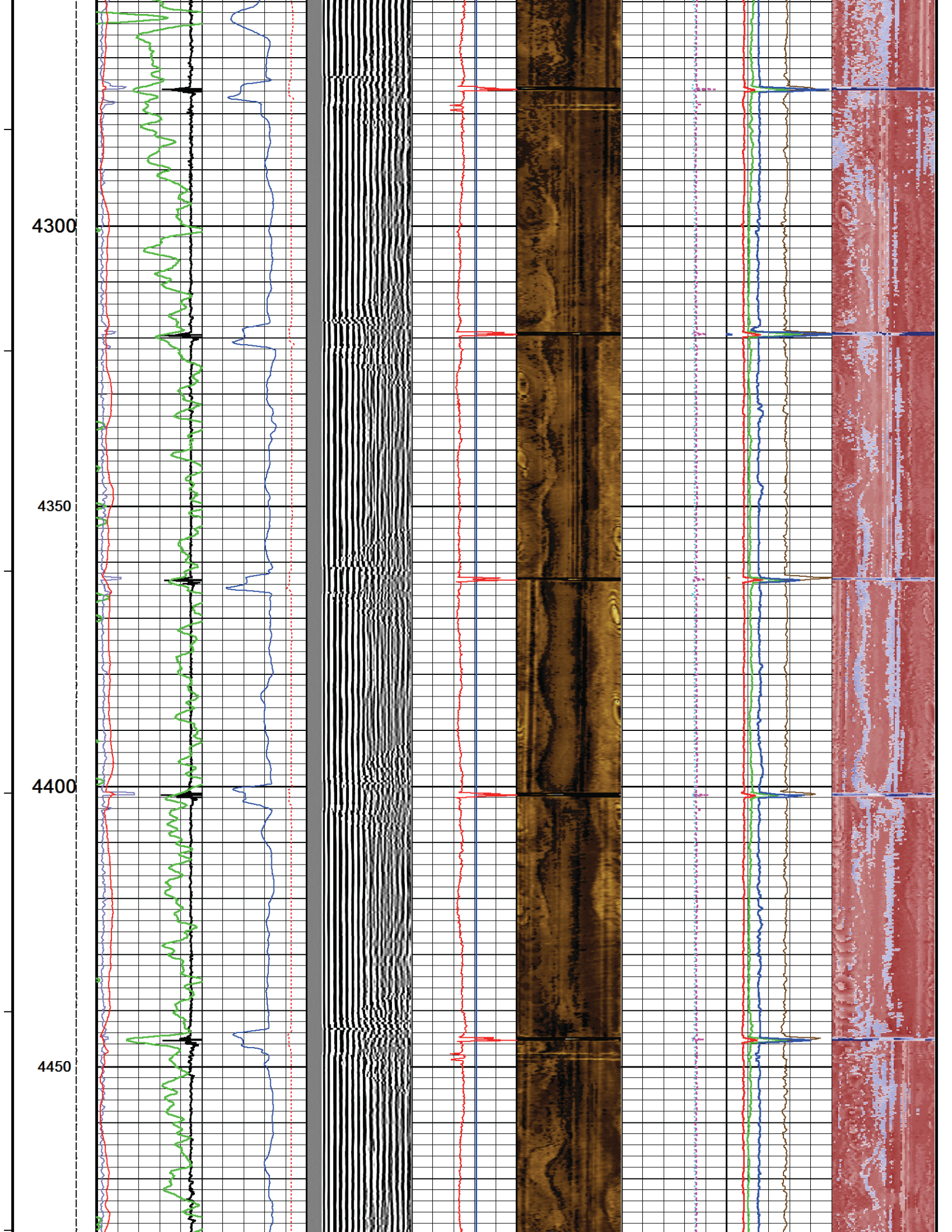




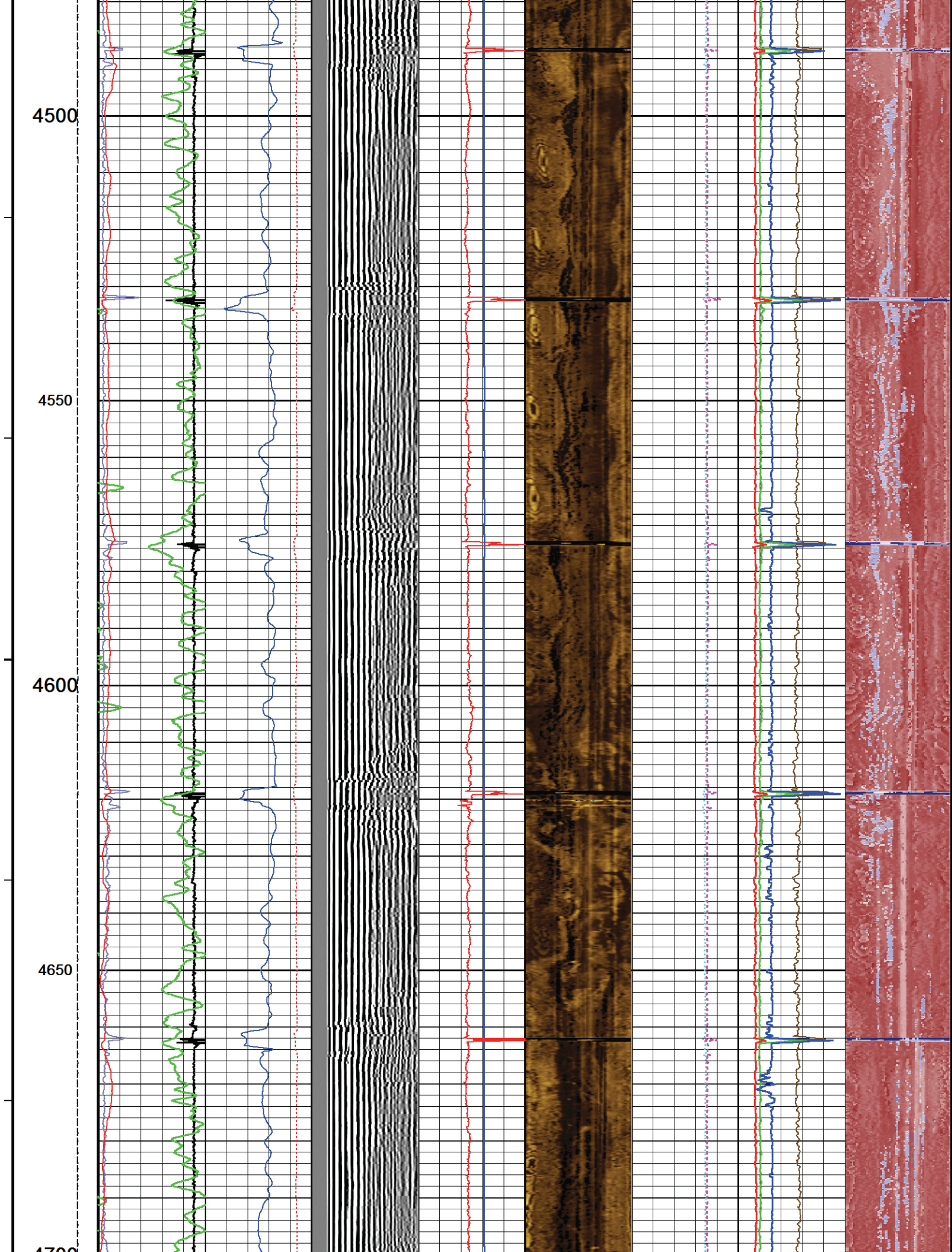


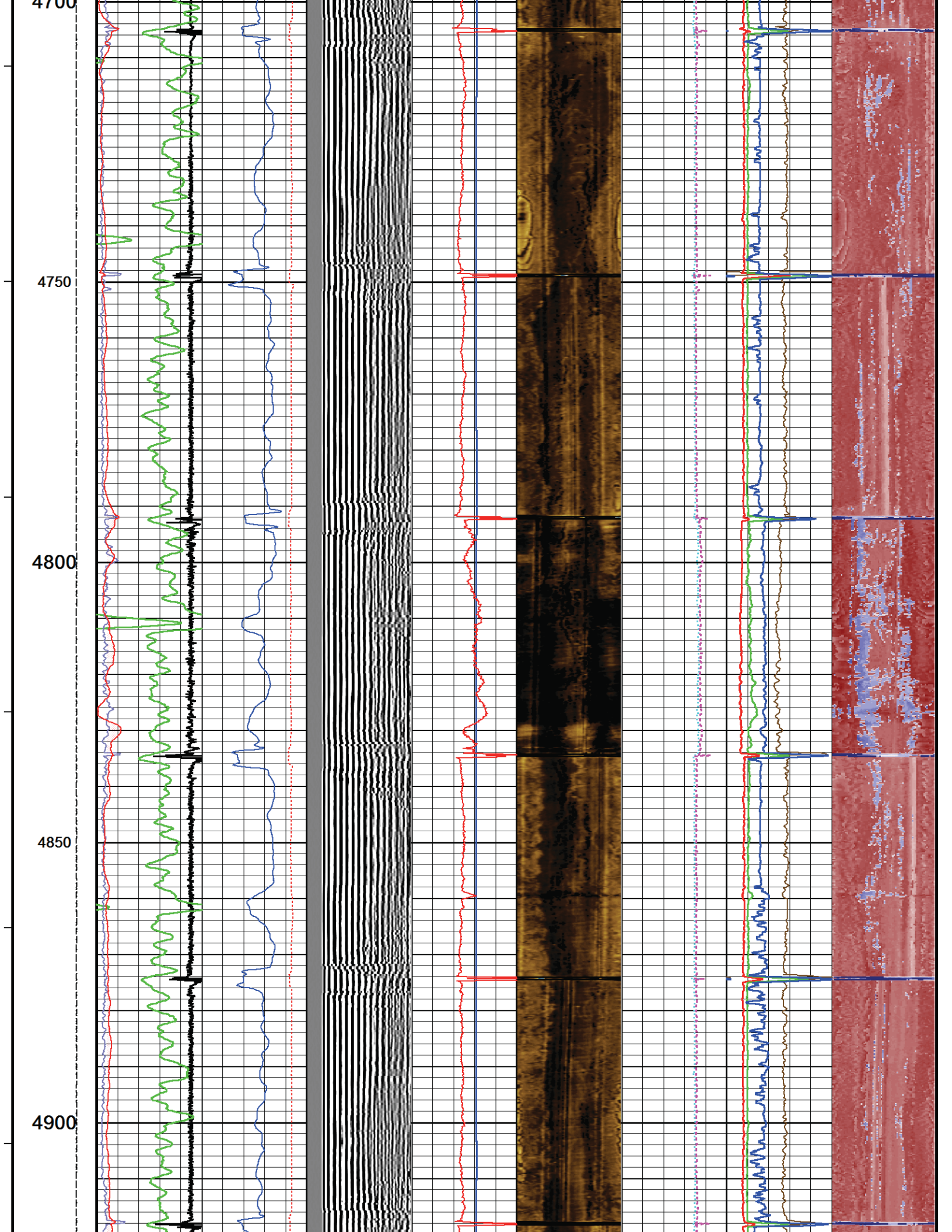




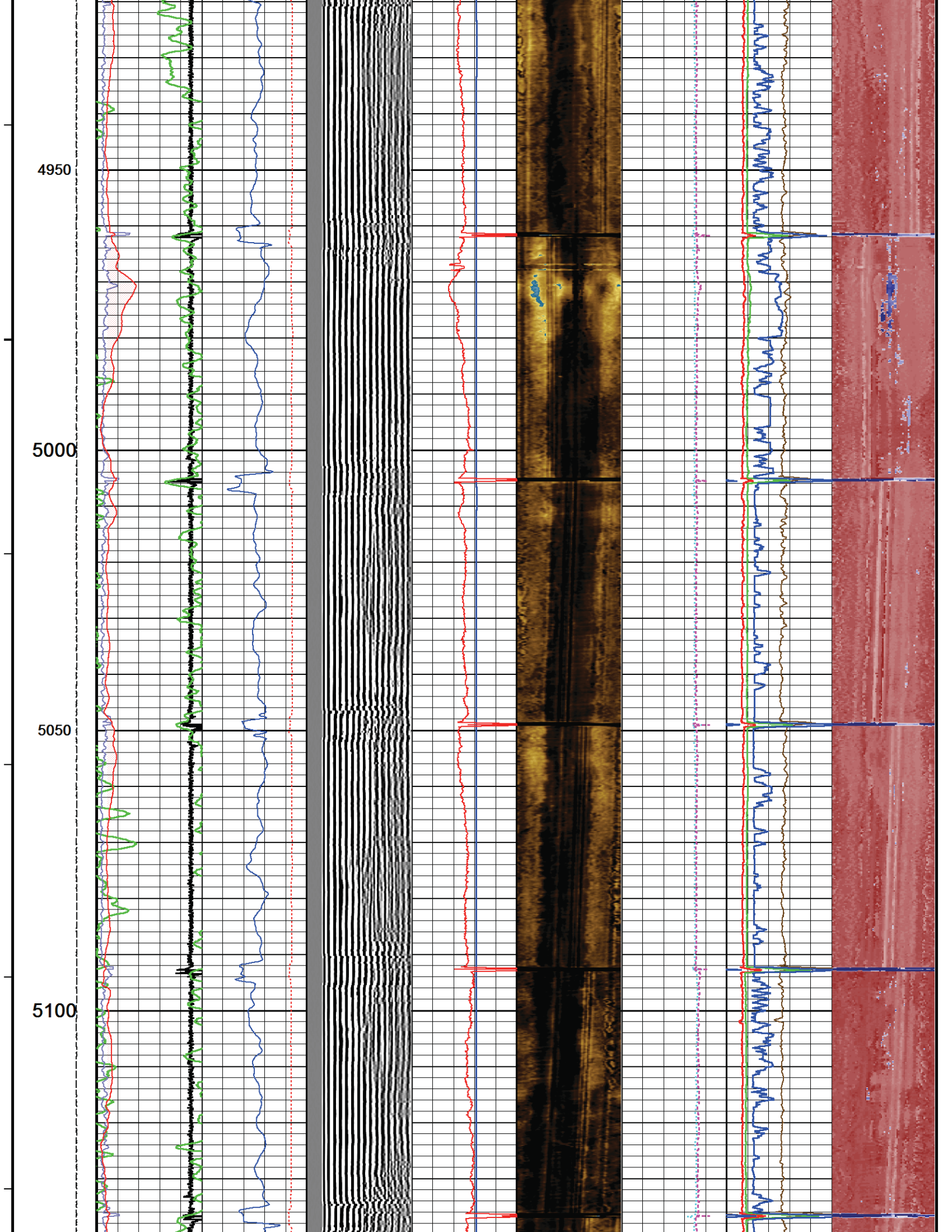


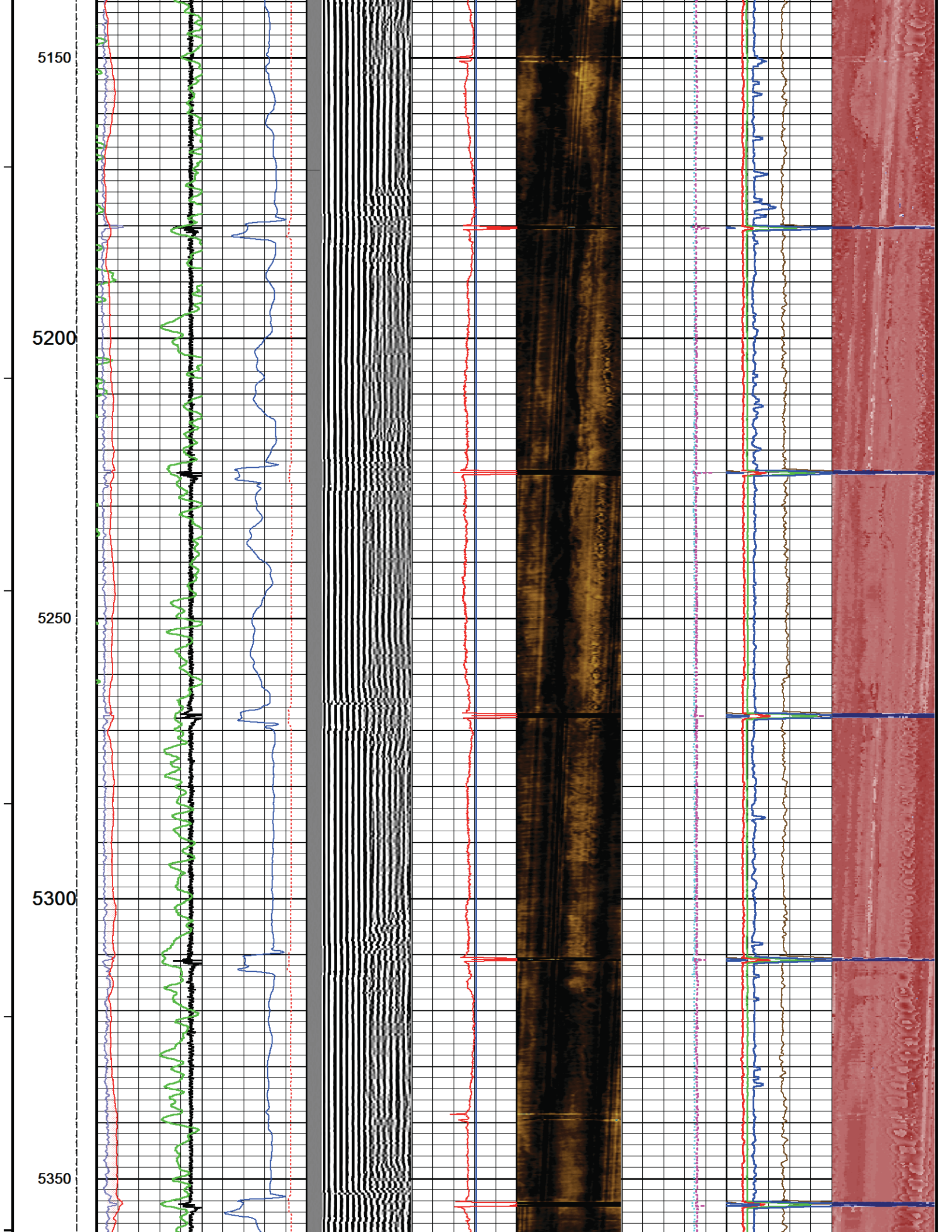




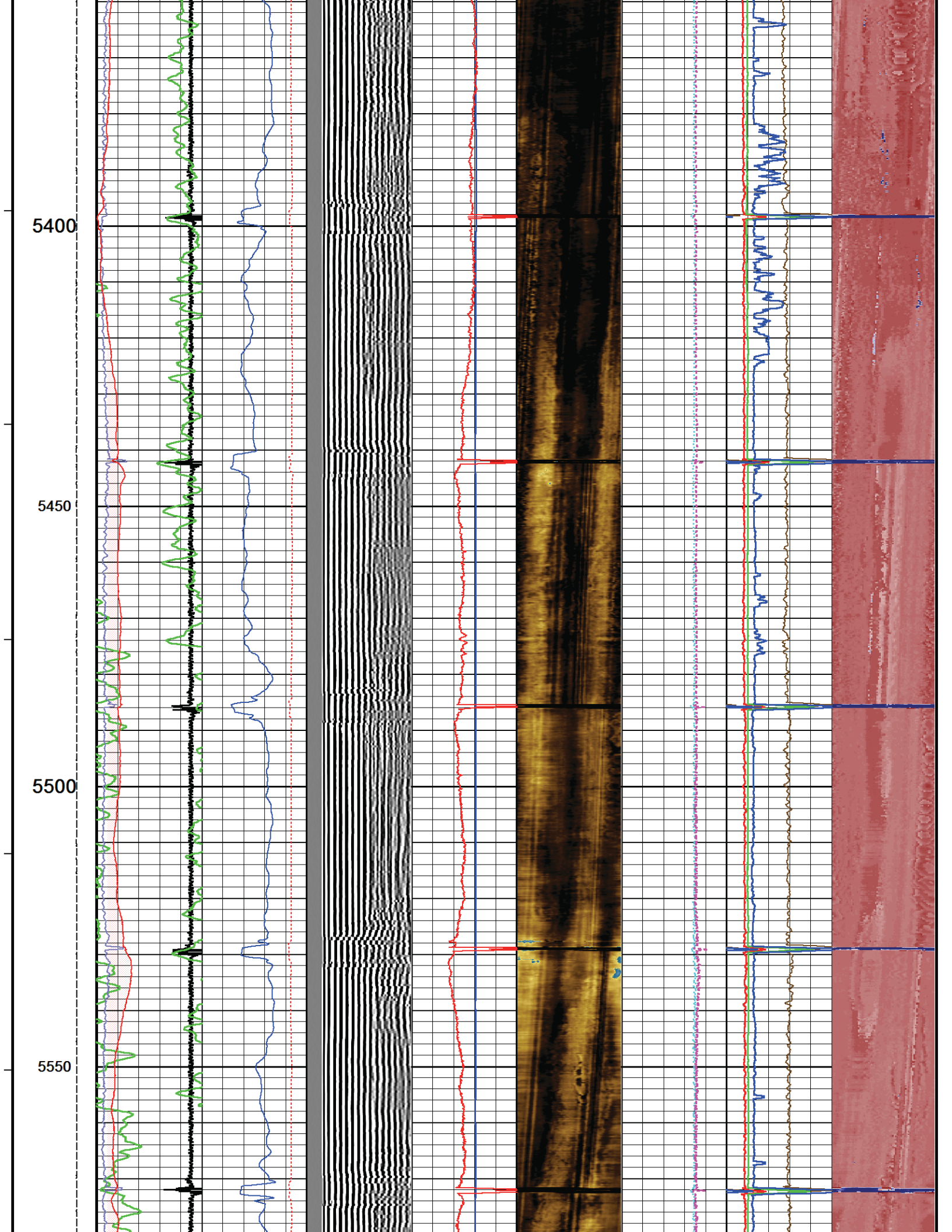


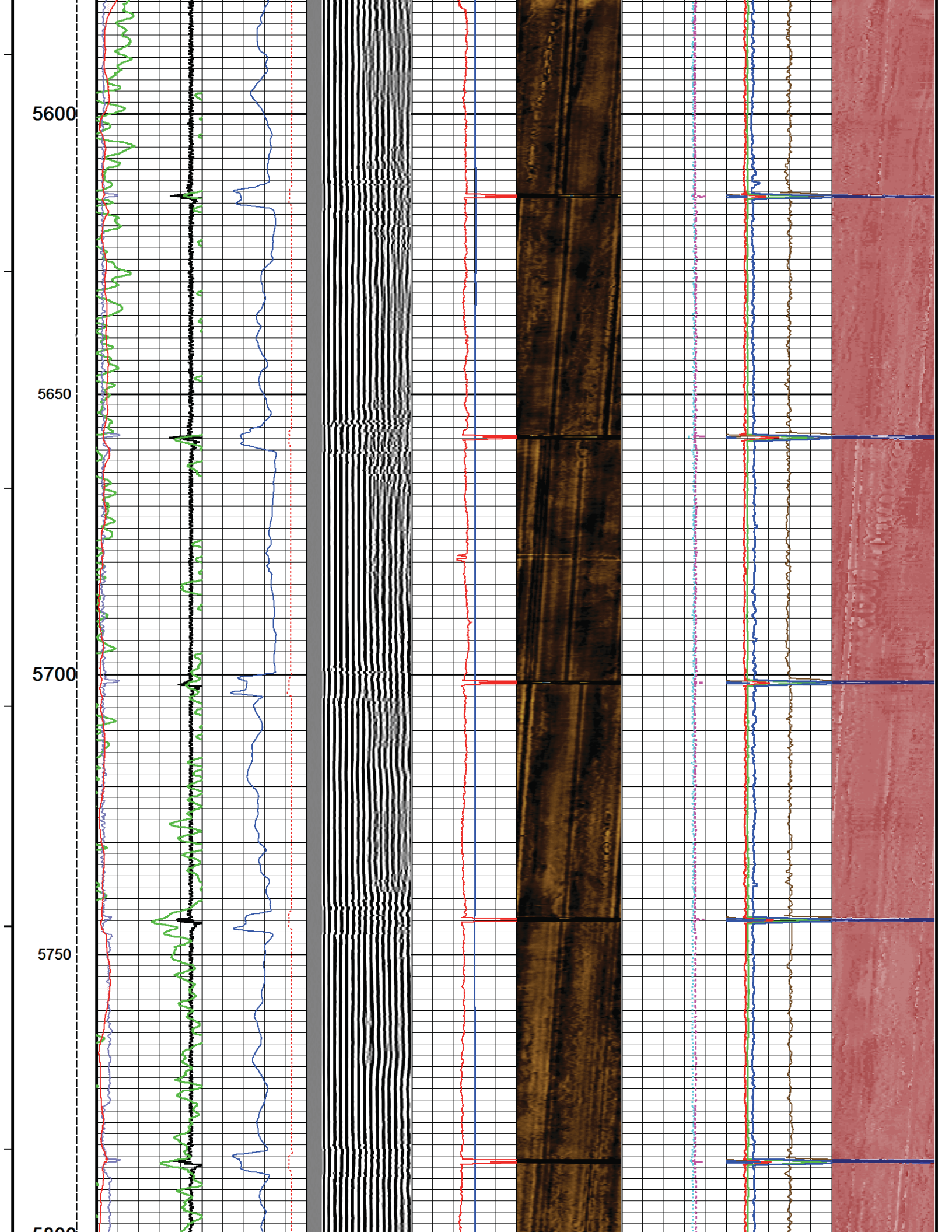




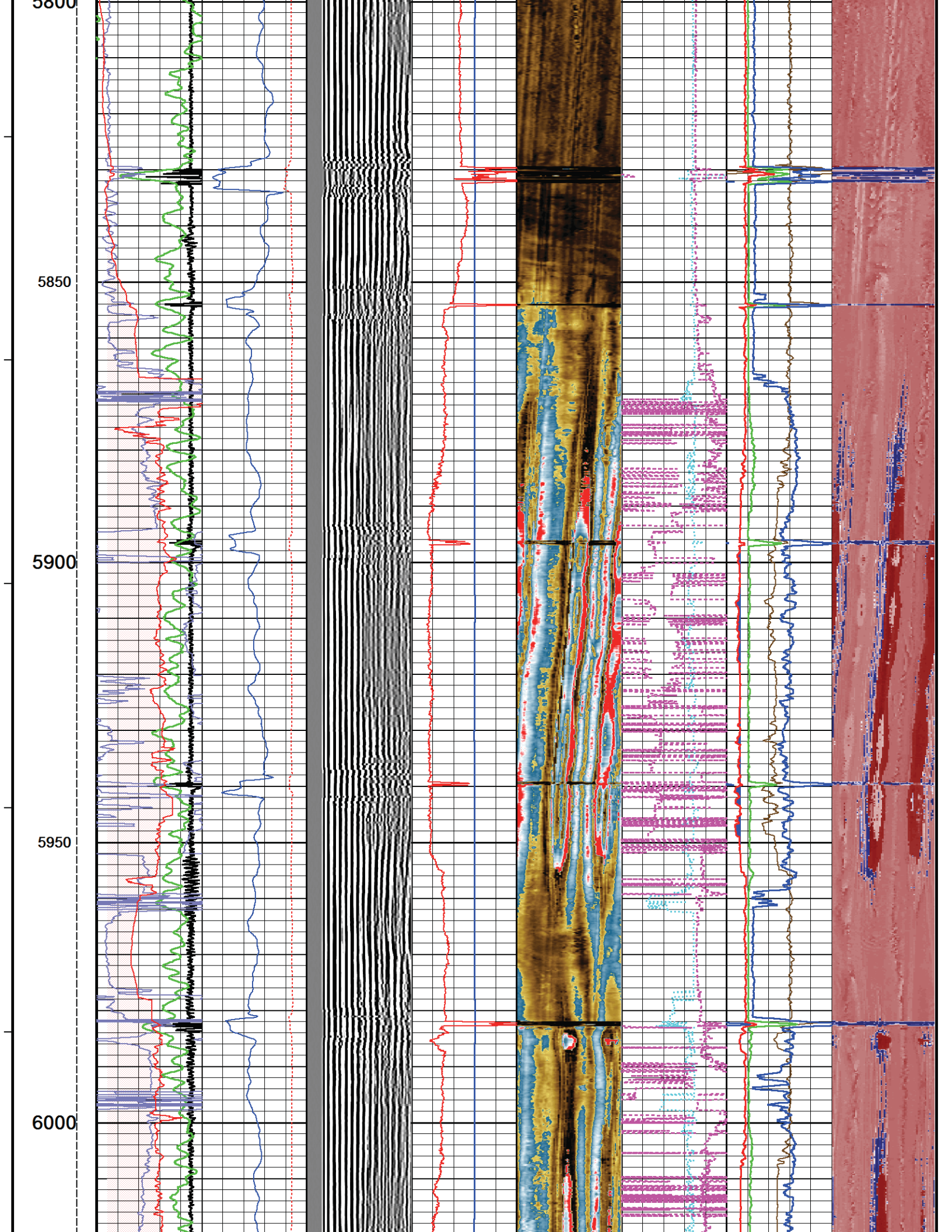


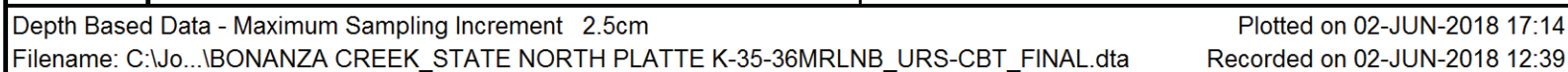
















## MAIN PASS



## REPEAT PASS



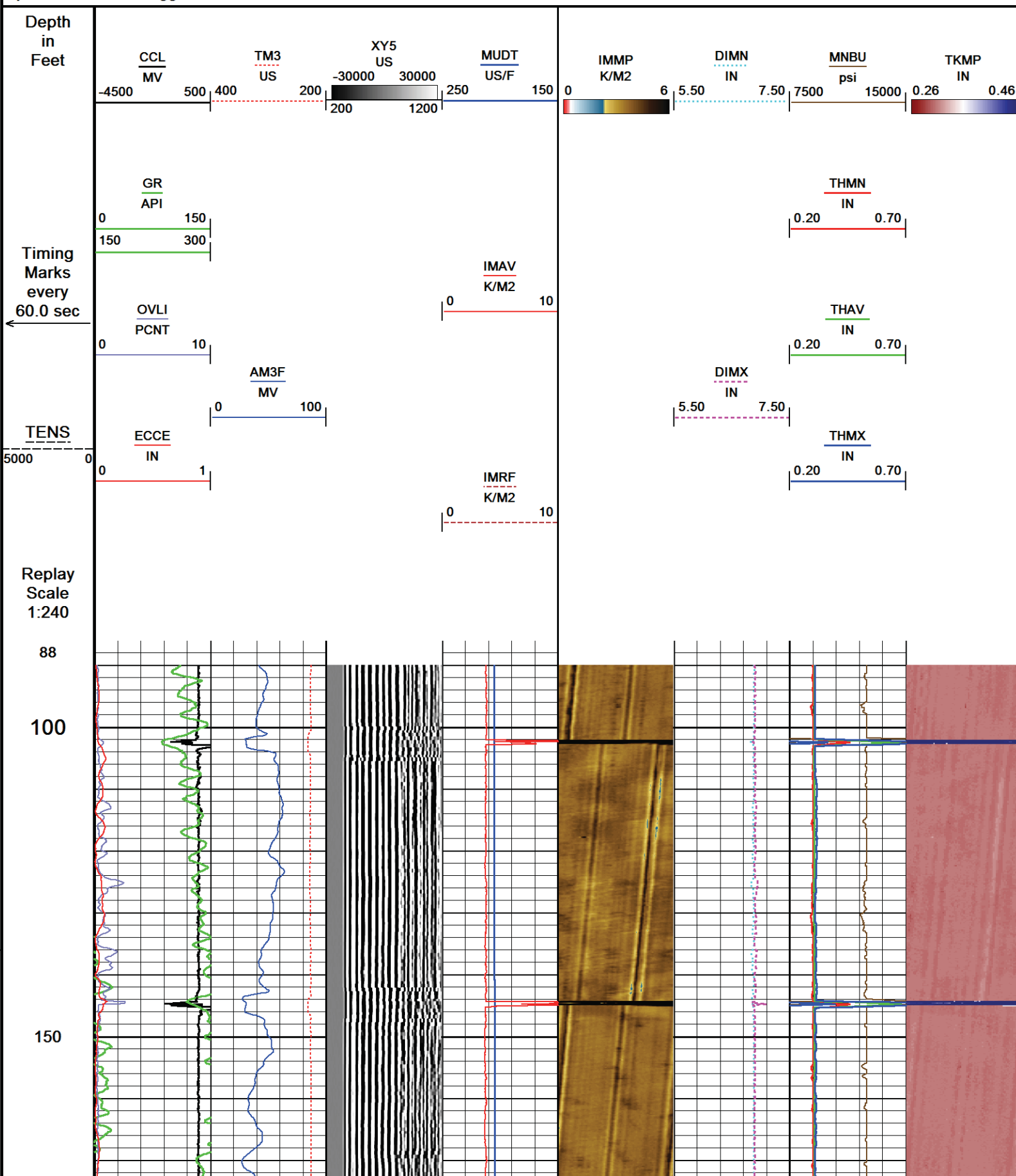
Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 02-JUN-2018 17:14

Filename: ...BONANZA CREEK\_STATE NORTH PLATTE K-35-36MRLNB\_URS-CBT\_REPEAT\_001...

Recorded on 02-JUN-2018 13:13

System Versions: Logged with 18.01.5248 Plotted with 18.01.5248



200

250

300

324  
Depth  
in  
Feet

CCL  
MV

TM3  
US

XY5  
US

MUDT  
US/F

IMMP  
K/M2

DIMN  
IN

MNBU  
psi

TKMP  
IN

GR  
API

THMN  
IN

OVLI  
PCNT

IMAV  
K/M2

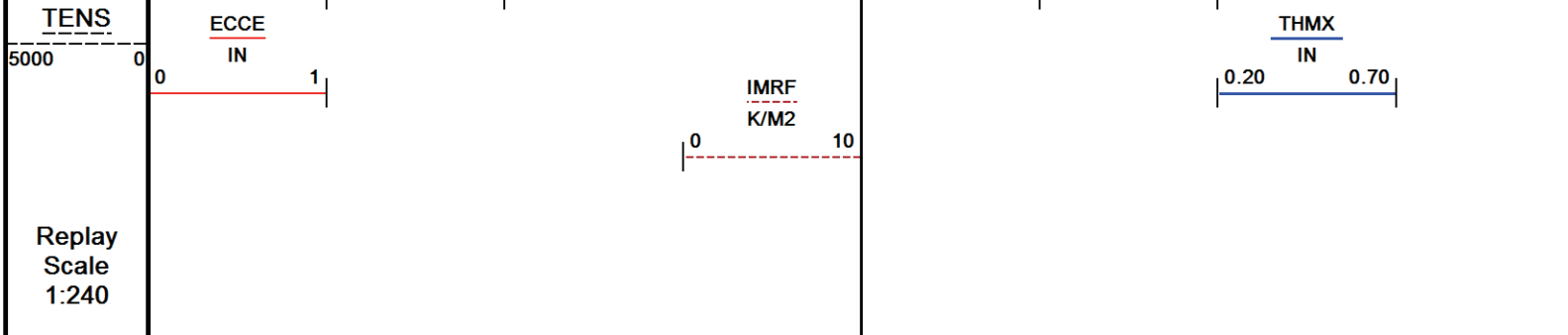
THAV  
IN

AM3F  
MV

DIMX  
IN

Timing  
Marks  
every  
60.0 sec  
←





Depth Based Data - Maximum Sampling Increment 2.5cm  
Plotted on 02-JUN-2018 17:14  
Filename: ...\\BONANZA CREEK\_STATE NORTH PLATTE K-35-36MRLNB\_URS-CBT\_REPEAT\_001...  
Recorded on 02-JUN-2018 13:13  
System Versions: Logged with 18.01.5248 Plotted with 18.01.5248

↑ REPEAT PASS ↑

DOWNHOLE EQUIPMENT

C:\\Job Data\\2018\\Bonanza Creek\\North Platte...\\BONANZA CREEK\_STATE NORTH PLATTE K-35-36MRLNB\_URS-CBT\_FINAL.dta

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

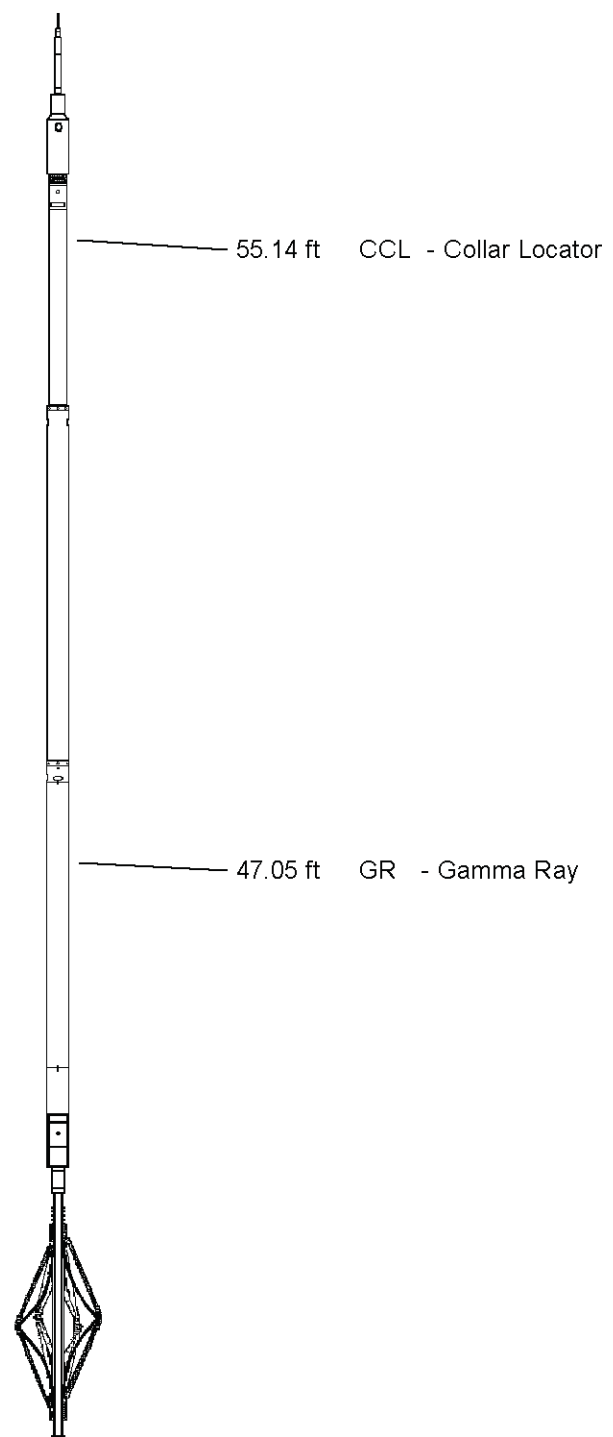
Crossover 1-pin to 55-pin for WCC-D  
XOV-WC 119 LG: 1.05 ft WT: 15.4 lb OD: 3.386 in

Casing Collar Locator, 55 pin  
CCL-WA 198 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

Communication Cartridge 55pin 3-3/8in  
WCC-DA 119 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

Gamma Ray  
UGR-JD 135 LG: 4.60 ft WT: 81.6 lb OD: 3.390 in

55 pin Roller Centralizer  
CEN-XA 196 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in



Cement Bond Tool  
CBT-AA 111 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 XY5 - XY Signature 5FT

55 pin Roller Centralizer  
CEN-XA 225 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 213 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

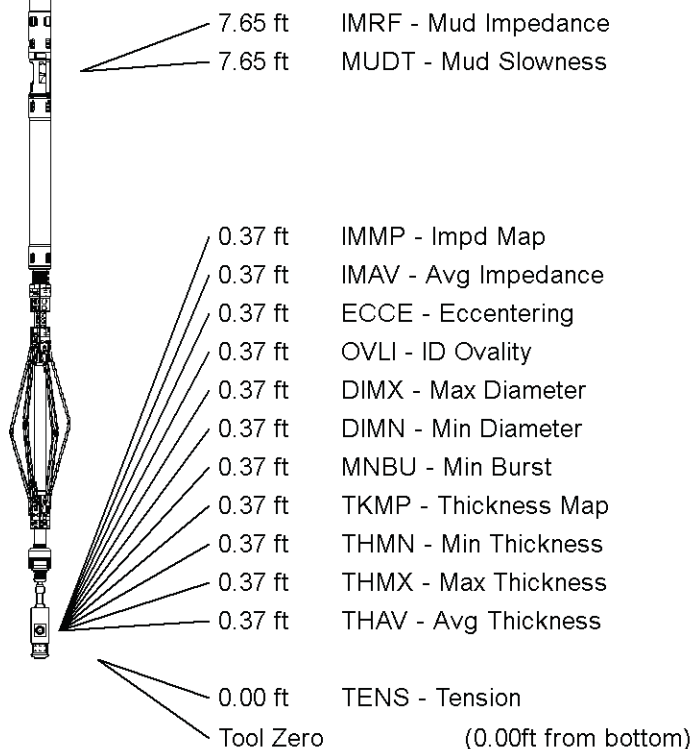
URS Electronics Cartridge  
UCC-AA 191 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in



URS Sonde Section  
 USS-AB 189 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: 58.06 ft Weight: 954.6 lb



All measurements relative to tool zero.

## SHOP AND FIELD CALIBRATIONS

C:\Job Data\2018\Bonanza Creek\North Platte...\BONANZA CREEK\_STATE NORTH PLATTE K-35-36MRLNB\_URS-CBT\_FINAL.dta

UGR Field Survey Cal UGR-JD 135

Field calibration on 00-JAN-1988 00:00

### Gamma Ray Field Survey Calibration

Tool Type: UGR-JD  
 calibrator No:

Serial No: 135

Background	Calibrator	Standard	Units
0.0	140.0	140.0	CPS

Delta Counts Per Sec: 140.0

CPS/API = 1.000

CBT Field calibration CBT-AA 111

Field calibration on 31-MAY-2018 08:12

### Cement Bond Tool Amplitude Field Calibration

Tool Type CBT-AA


Serial No 111

Free Pipe Depth

## Constants



Thickness Calculated from	Tool
Radius Offset	-0.76
Mud Slowness Offset	0.00 US/F
Mud Chamber Equation	Mud Plate
Z_mud at Calibration	1.50 K/M2
Z_mud Outside	1.50 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

COMPANY	BONANZA CREEK ENERGY				
WELL	STATE NORTH PLATTE K-35-36MRLNB				
FIELD	WATTENBERG				
PROVINCE/COUNTY	WELD				
COUNTRY/STATE	UNITED STATES / COLORADO				
Elevation Kelly Bushing	4567	feet	Bottom Log Interval	6120.00	feet
Elevation Drill Floor	4567	feet	Depth Driller	14067.00	feet
Elevation Ground Level	4550	feet	Depth Logger	6120.00	feet
			SECUREVIEW		
			ULTRAVIEW / BONDVIEW		
			LOG		