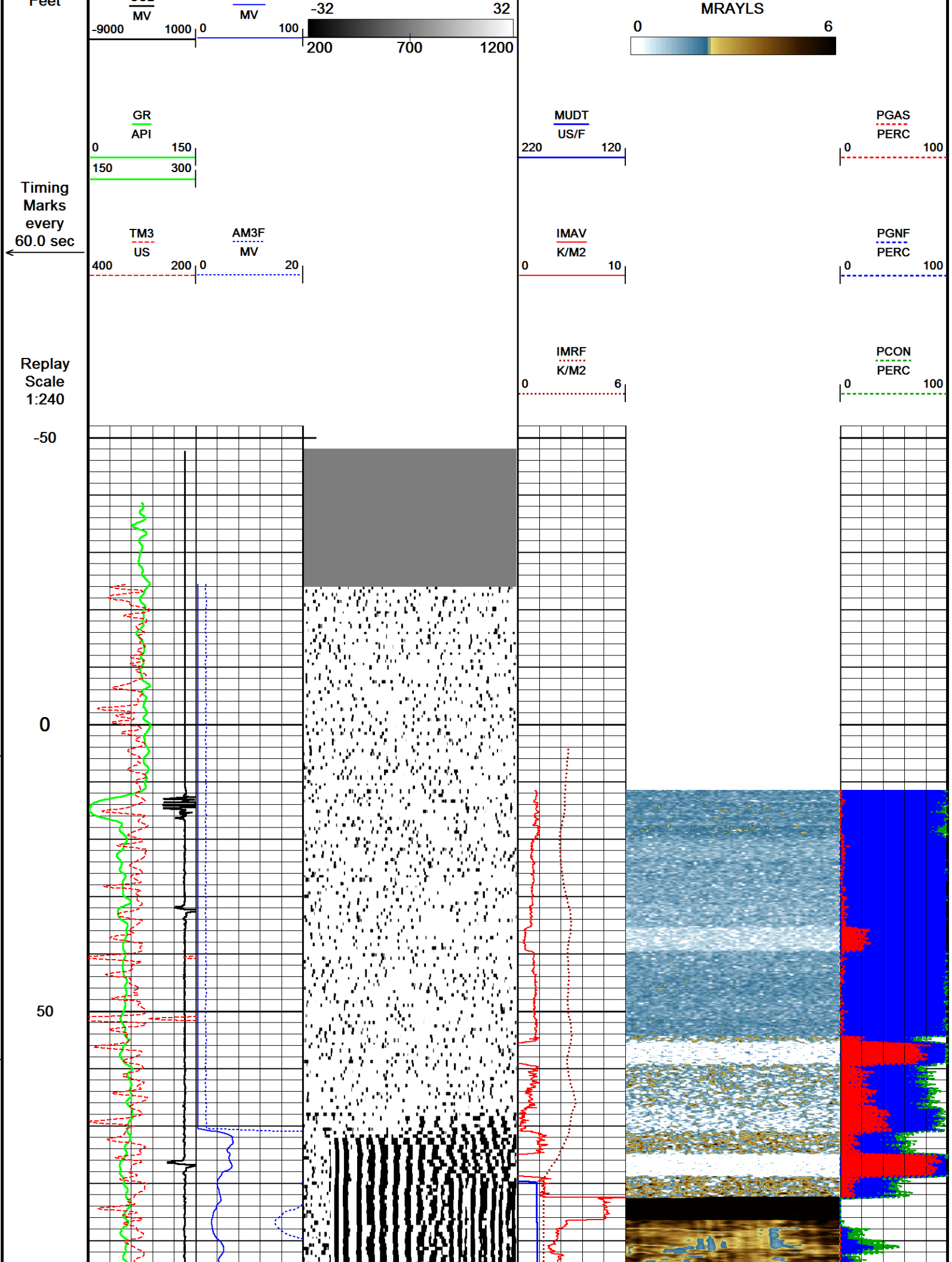
			SECUREVIEW		
Weatherford®			ULTRAVIEW/BONDVIEW		
			CEMENT ANALYSIS		
COMPANY			EXTRACTION OIL & GAS		
WELL			VARRA 6		
FIELD			WATTENBERG		
PROVINCE/COUNTY			WELD		
COUNTRY/STATE			USA / COLORADO		
LOCATION					
SEC 5	TWP 6N	RGE 67W	Other Services		
Latitude					
Longitude					
API Number		05 123 39987 00			
Permanent Datum GROUND LEVEL, Elevation 4899 feet				Elevations:	
Log Measured From KB, 25 feet above Permanent Datum				KB 4924.00	
Drilling Measured From KB @ 25'				DF 4924.00	
				GL 4899.00	
Date	04-DEC-2016	PERFORATION RECORD			
Run Number	ONE	Shot	Number	Depth From	Depth To
Service Order	168097219	Density	of Shots	feet	feet
Type Log	URS/URS				
Depth Driller	17004.00				
Depth Logger	6535.00				
Top Log Interval	0.00				
Bottom Log Interval	6535.00				
Hole Fluid Type	WATER				
Hole Fluid Level	0.00	feet			
Restriction ID	4.767	inches	Gun Type		
Max Recorded Temp			Gun Size		
Well Head Pressure	0.00	psi	CASING / TUBING RECORD		
Well Head Equipment		Size	Weight	Depth From	Depth To
Time Well Ready	ROA	inches	pounds/ft	feet	feet
Time Logger Bottom	SEE LOG	9.625	36.00	0.00	1609.00
Unit	14338	5.500	20.00	0.00	17004.00
Equipment Name	WSSE				
Base	CASPER				
Recorded By	P. MAZUR				
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	1609.00	36.00
PRODUCTION			5.500	0.00	17004.00	20.00

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.

<div>↓</div> <b>MAIN PASS</b> <div>↓</div>		
Depth Based Data - Maximum Sampling Increment 2.5cm Filename: C:\Logs\Extraction\VARRA 6\VARRA 6 MAIN PASS.dta System Versions: Logged with 16.05.3841 Plotted with 16.05.3841		Plotted on 04-DEC-2016 20:22 Recorded on 04-DEC-2016 12:26
Depth in Feet	CCI AM3F	XY Signature 5FT microseconds Impd Map



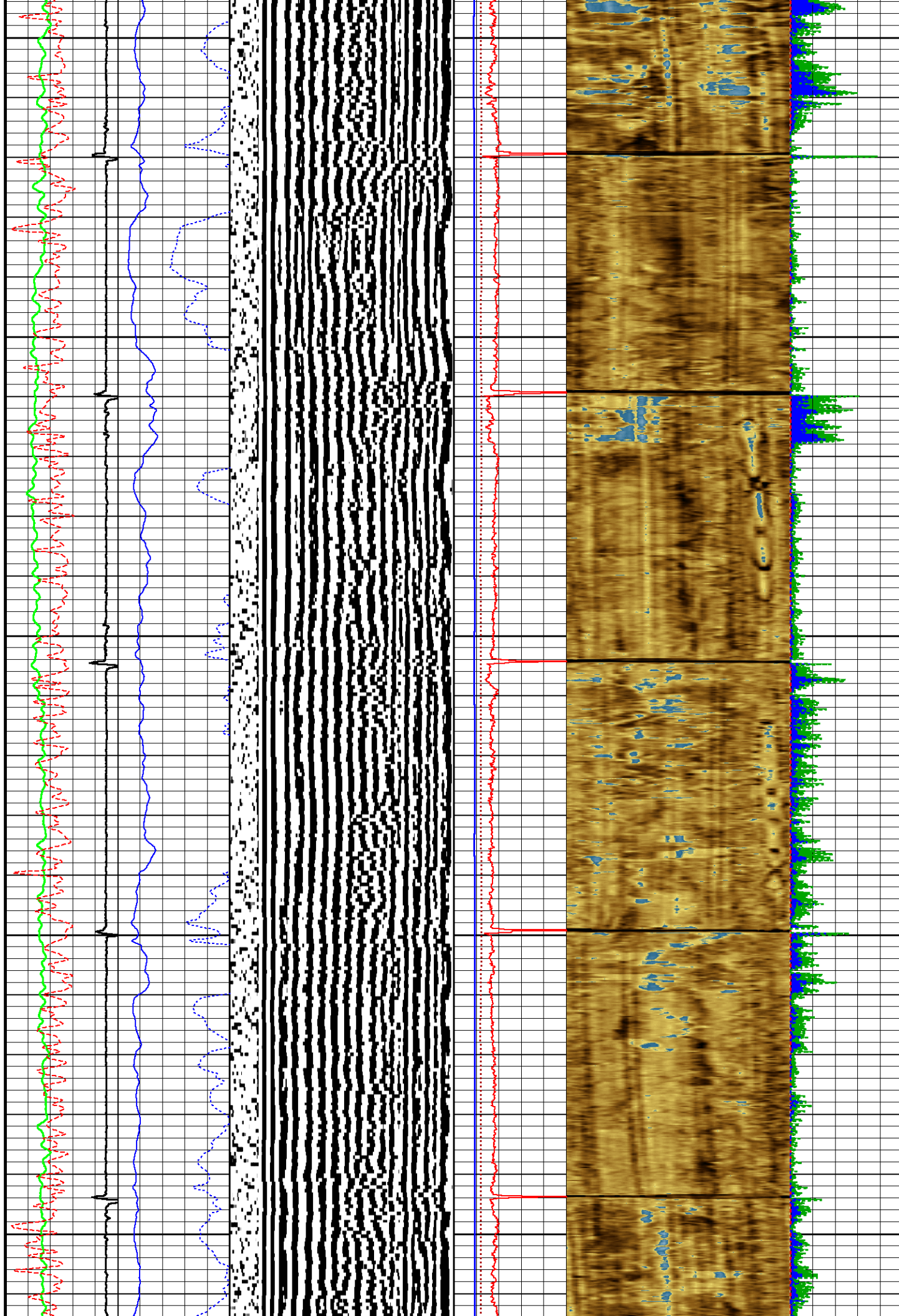
100

150

200

250

300



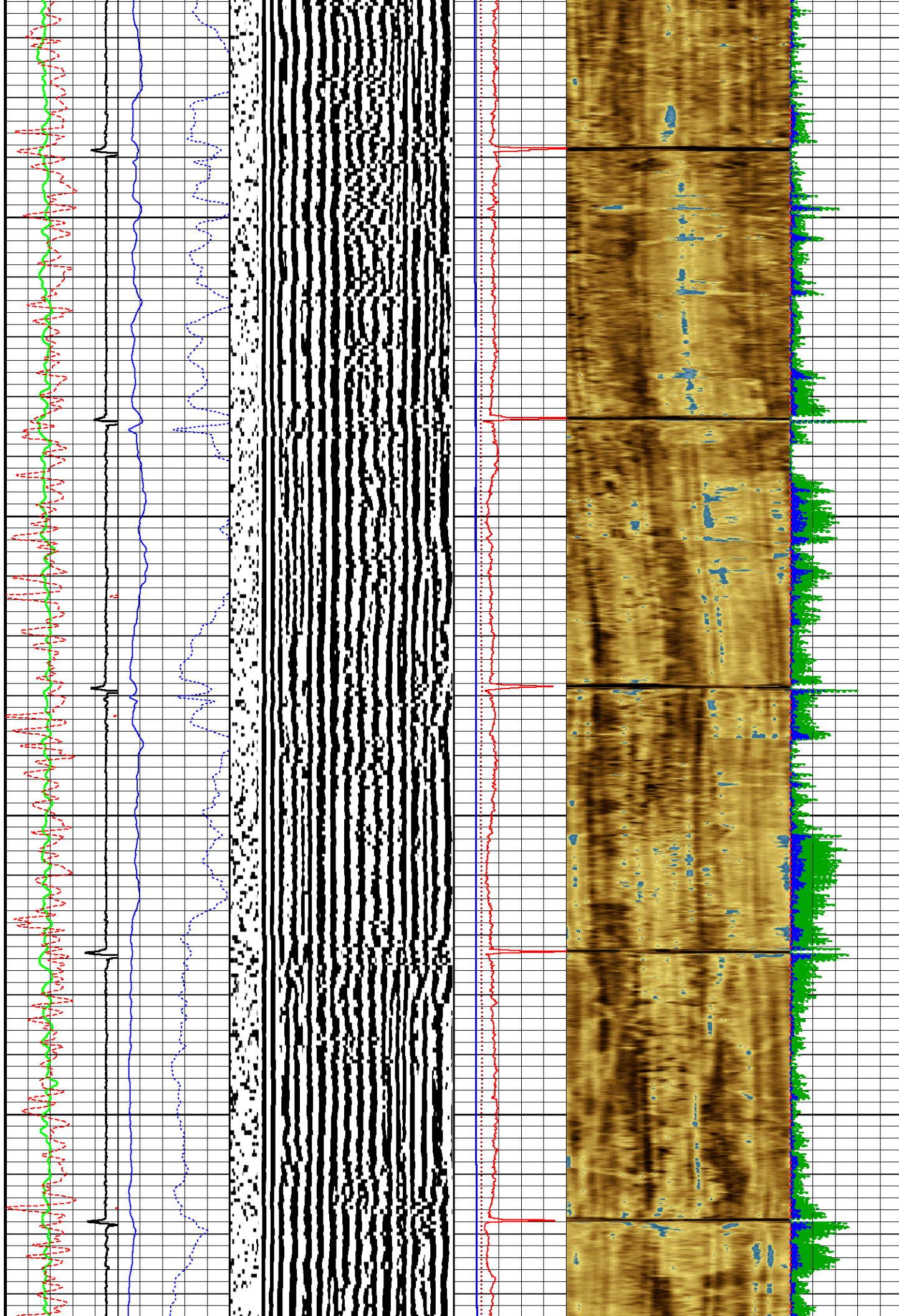


350

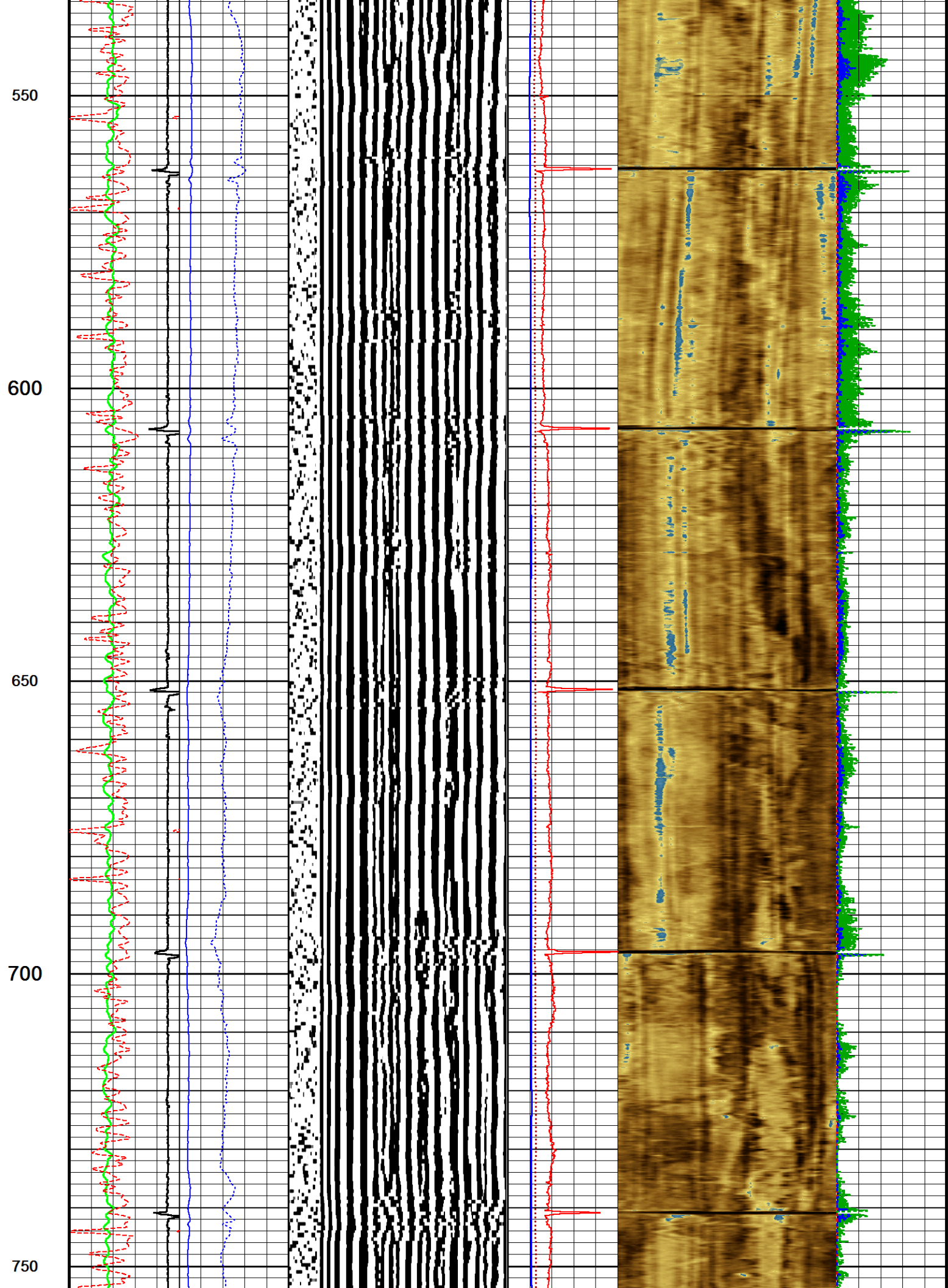
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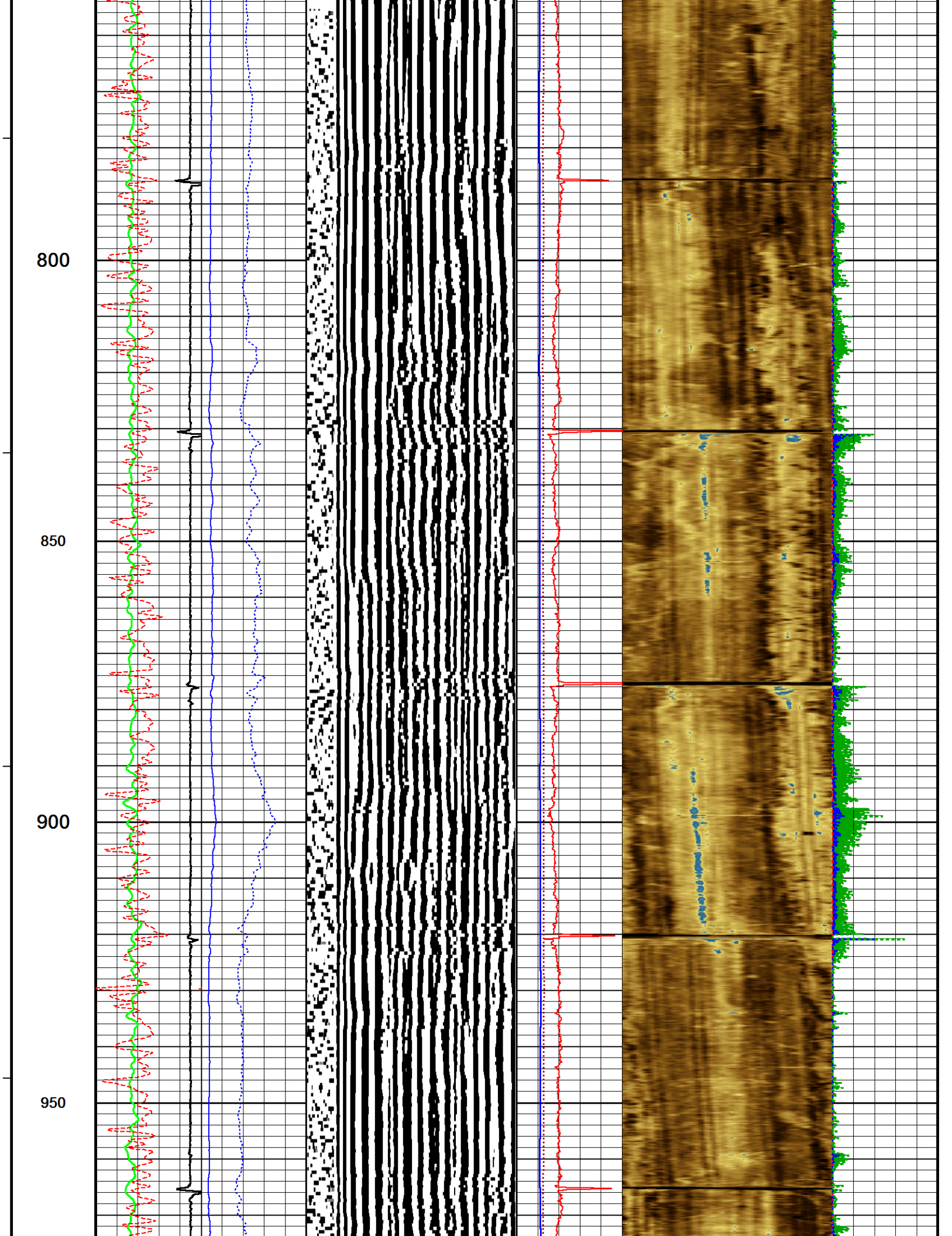
450

500

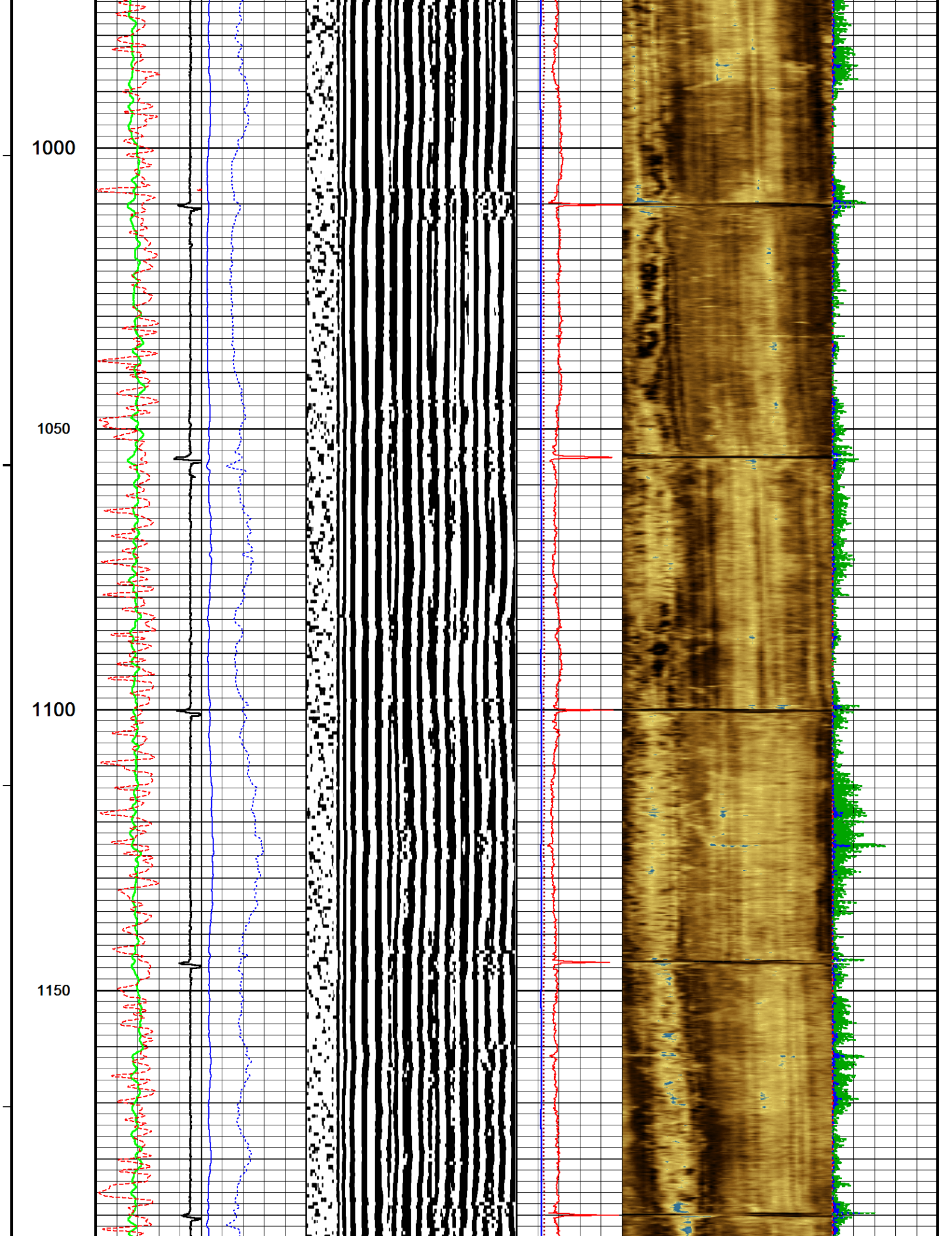




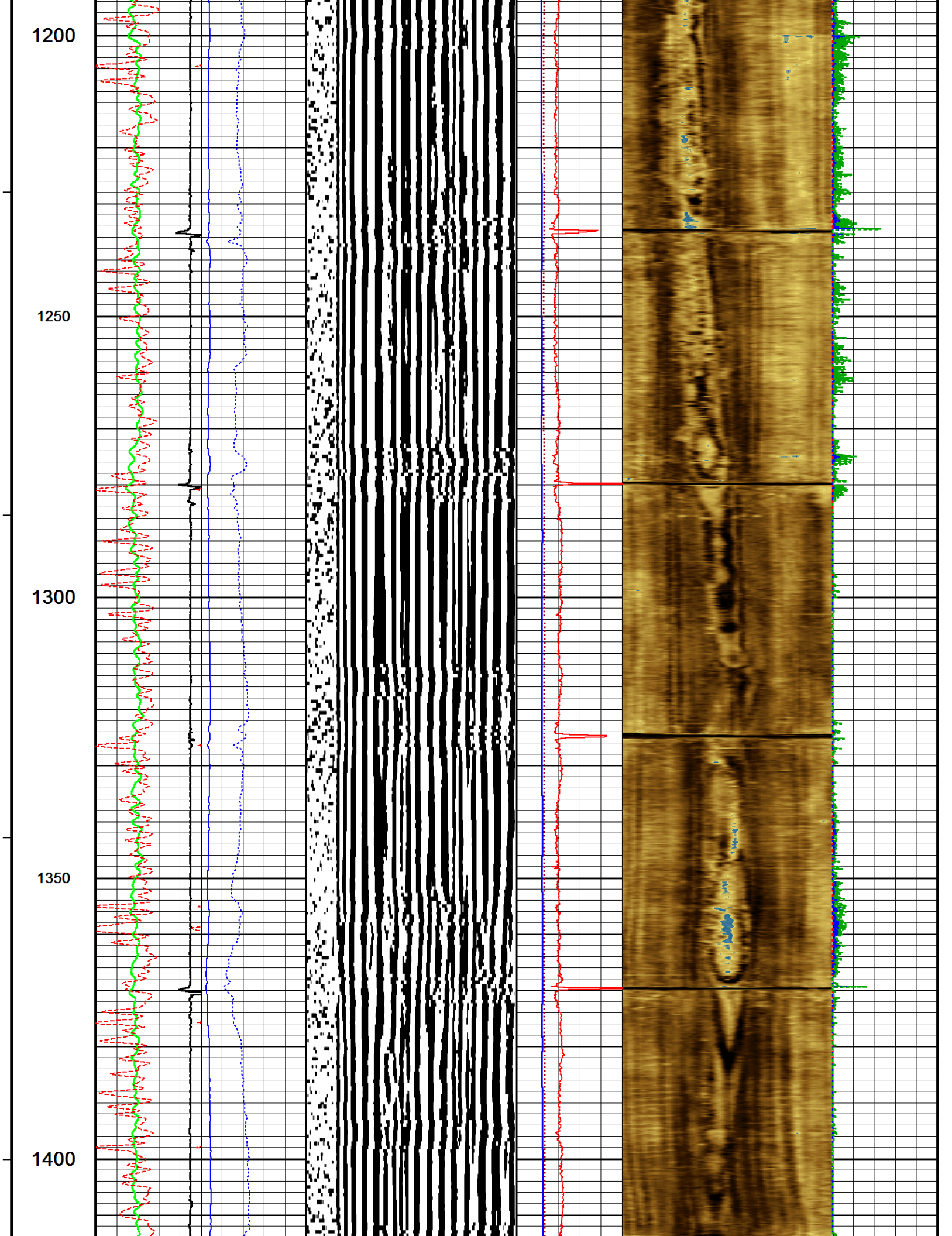










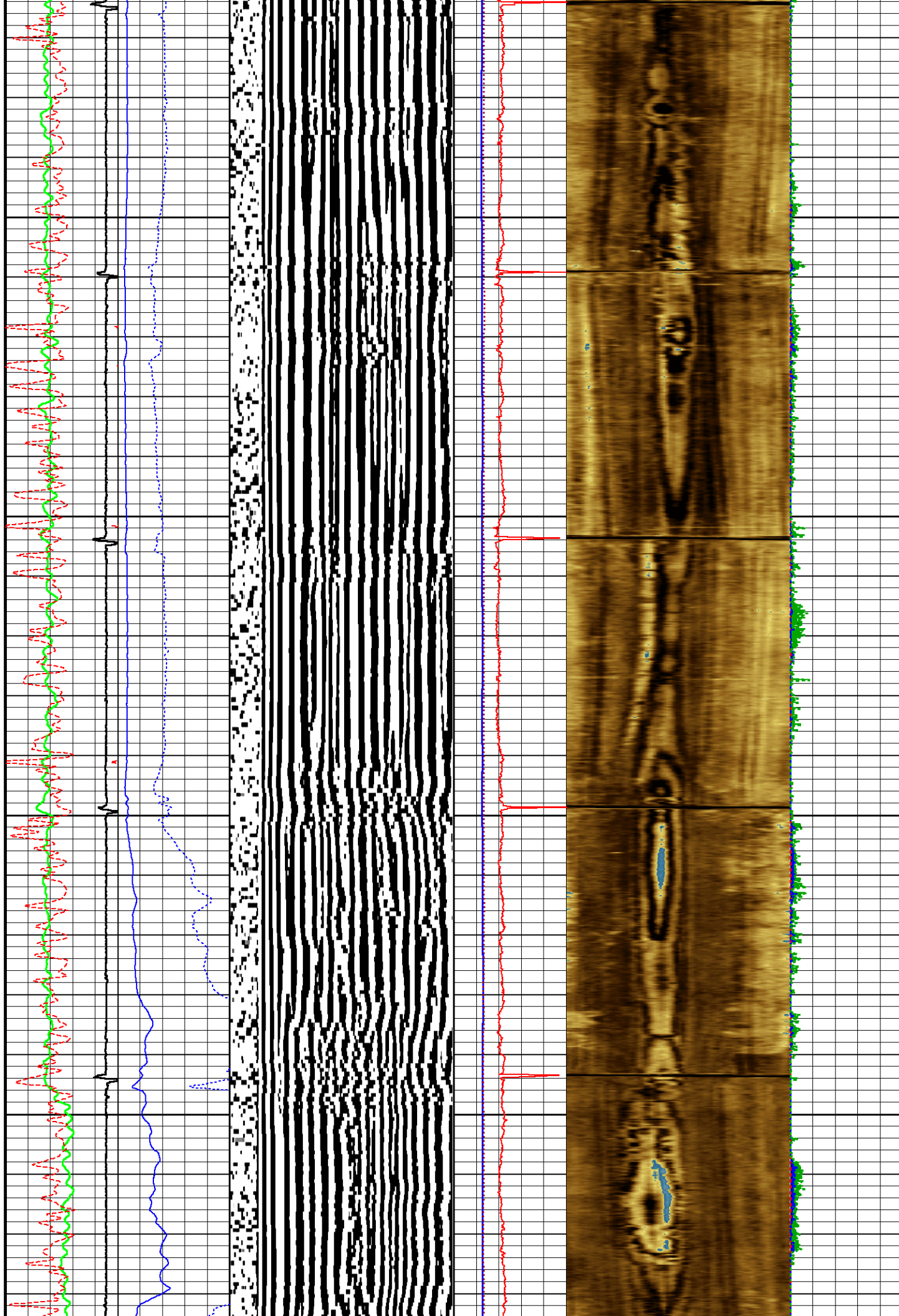


1450

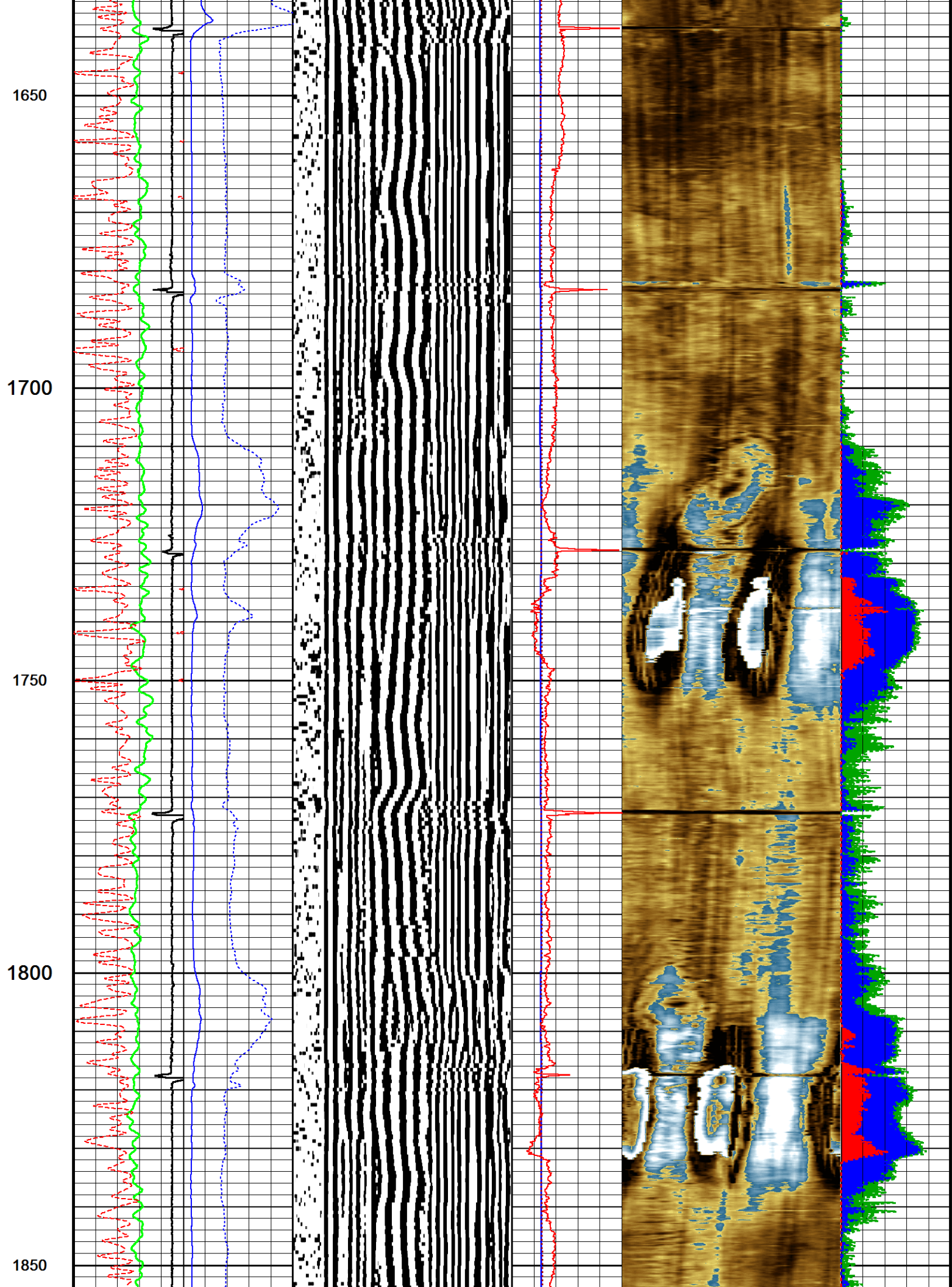
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1550

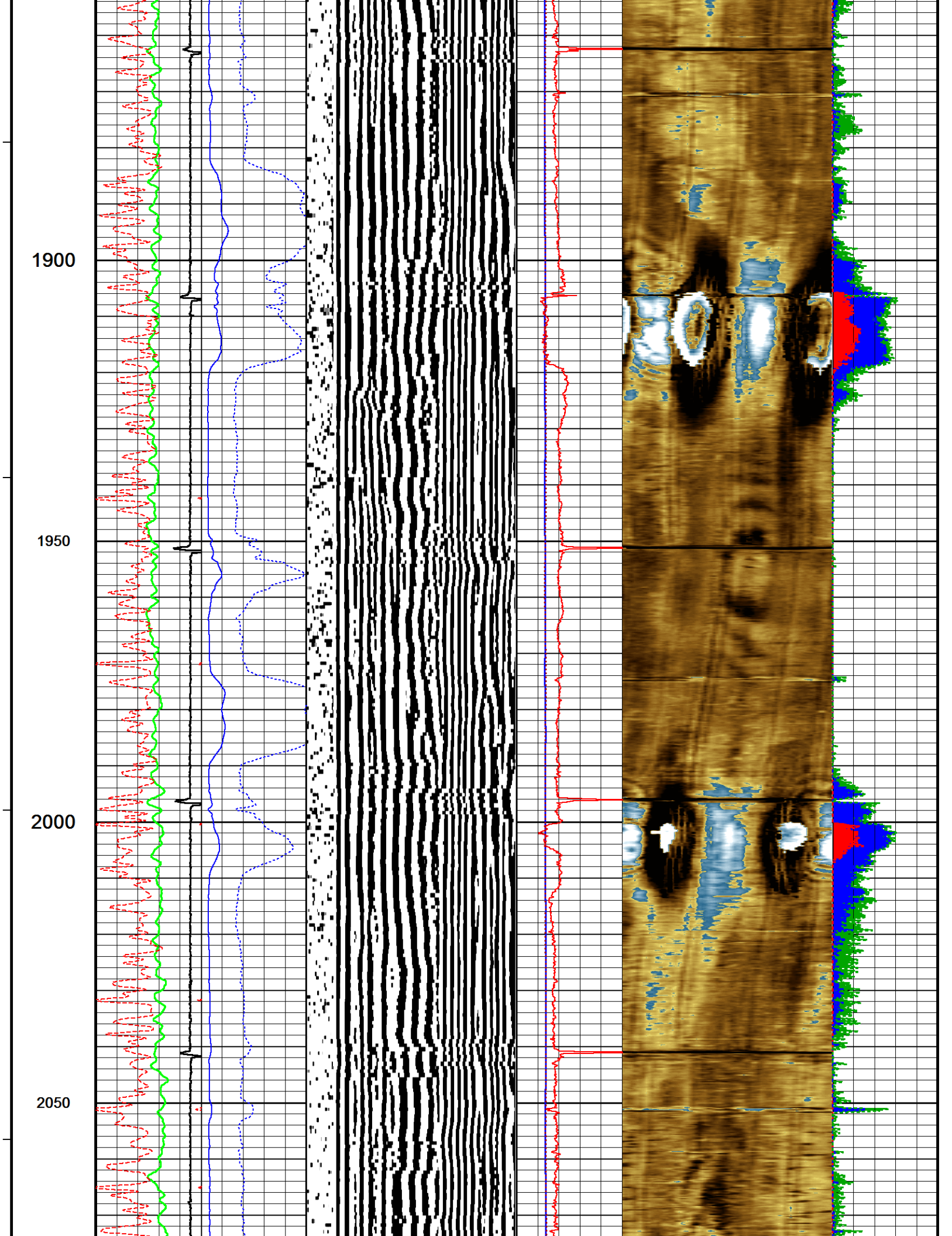
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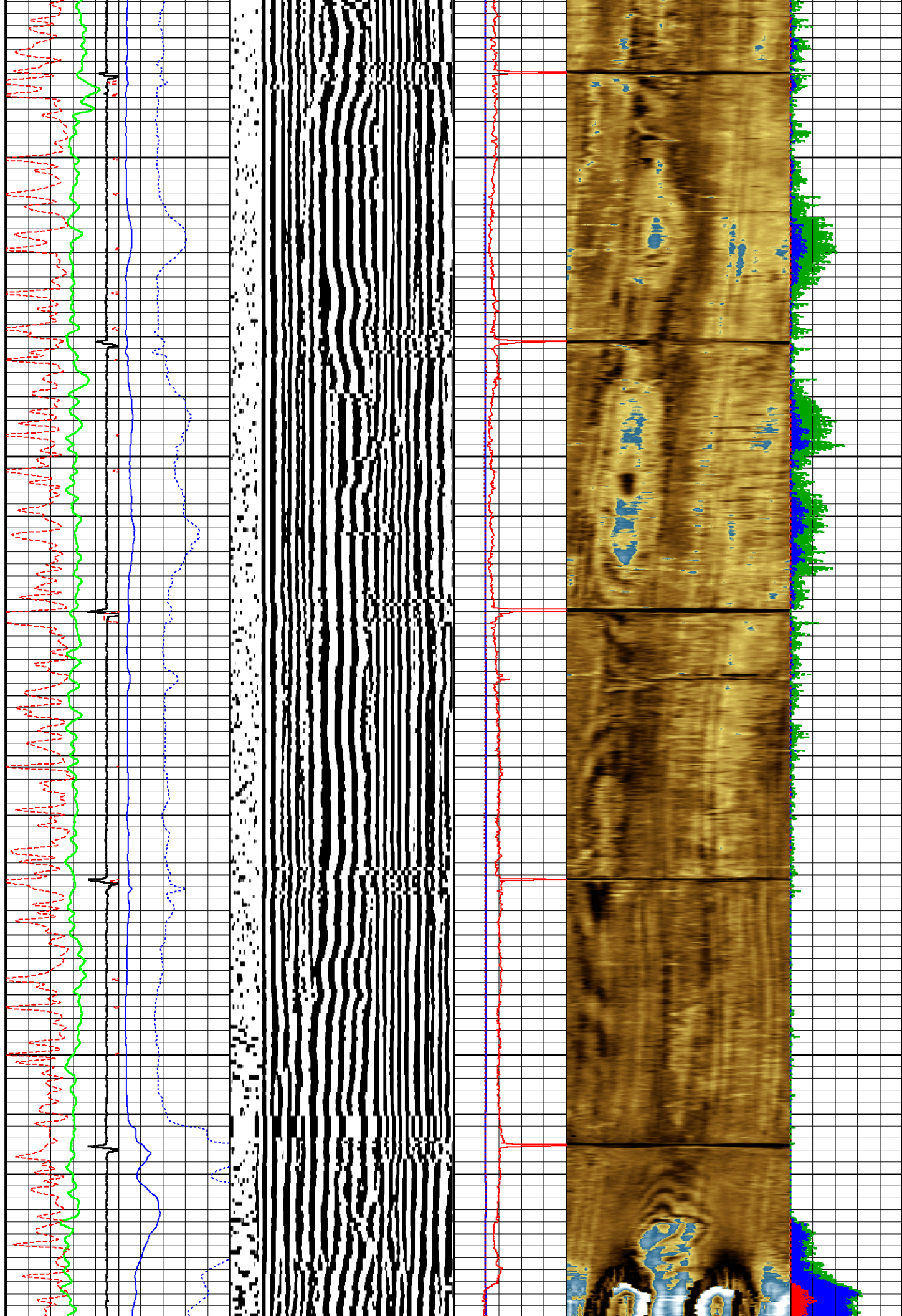


2100

2150

2200

2250





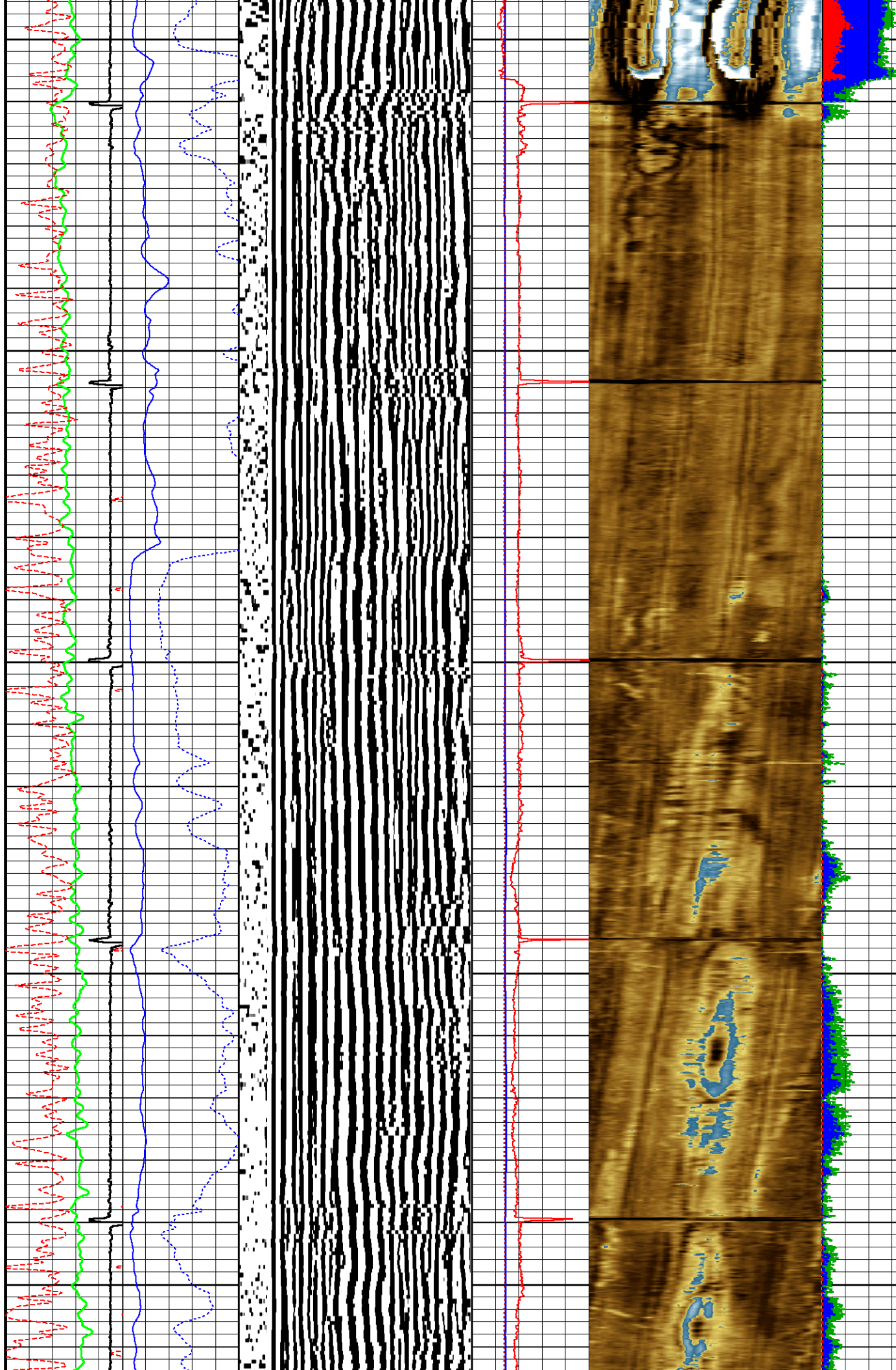
2300

2350

2400

2450

2500



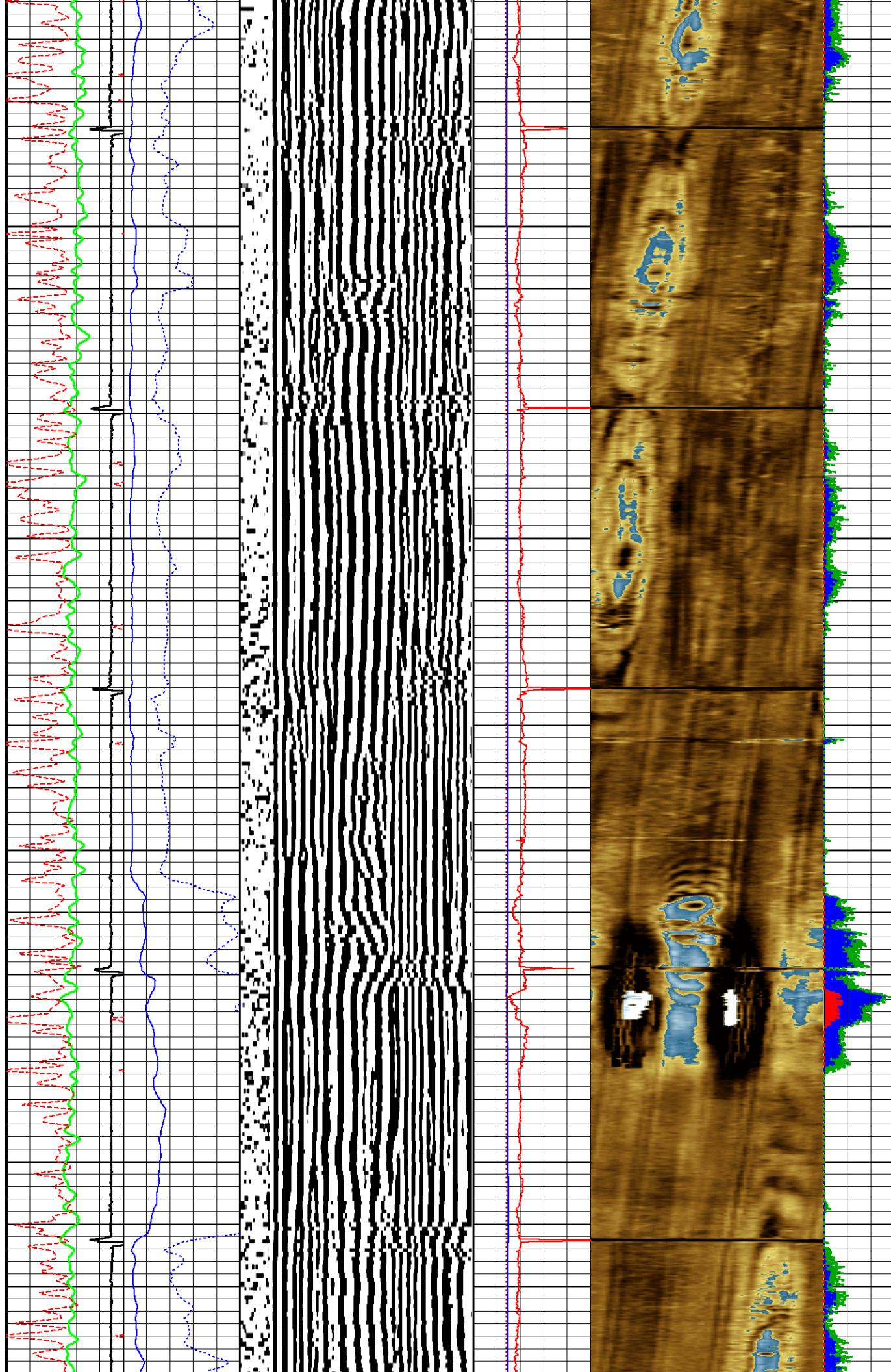


2550

2600

2650

2700



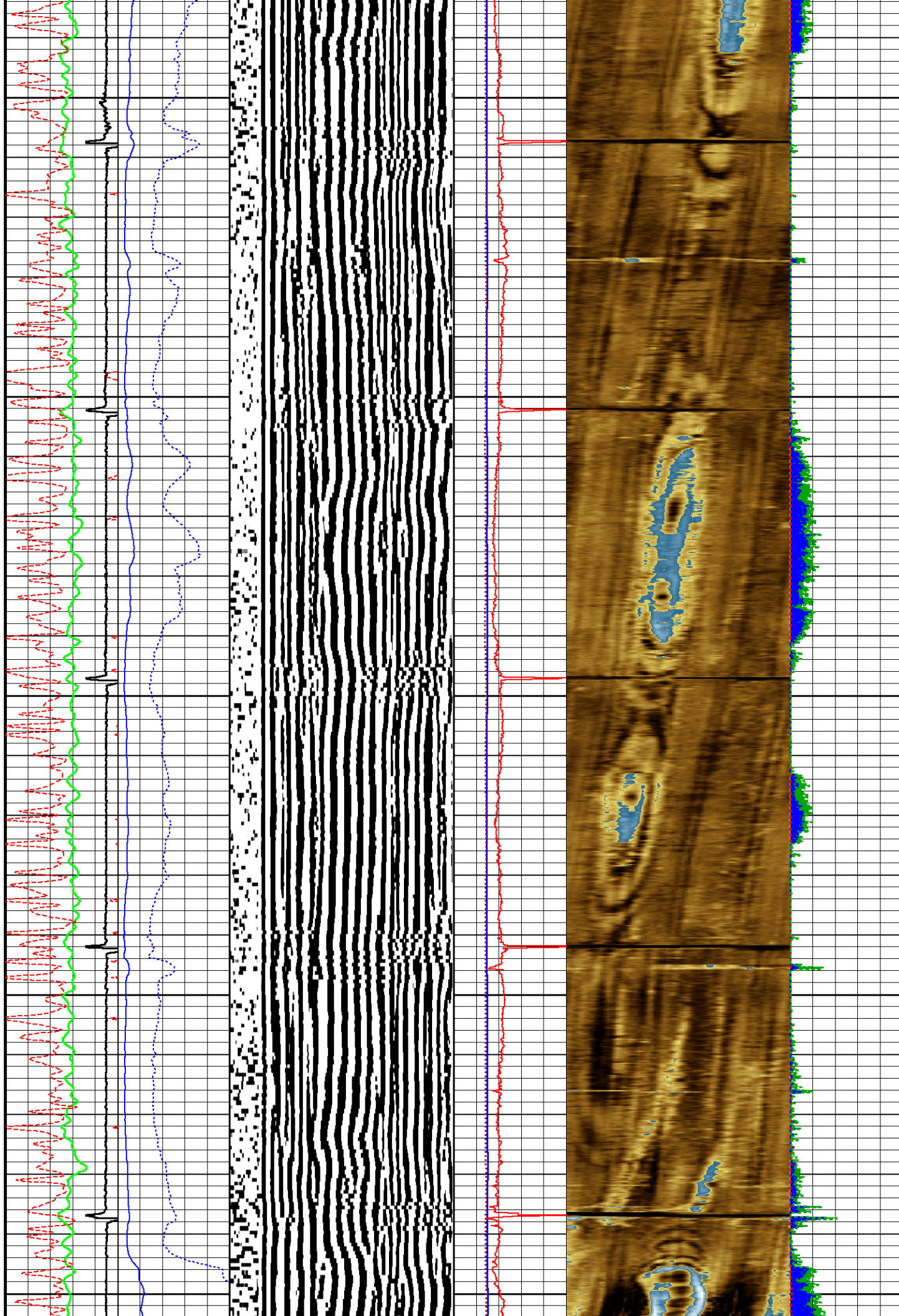
2750

2800

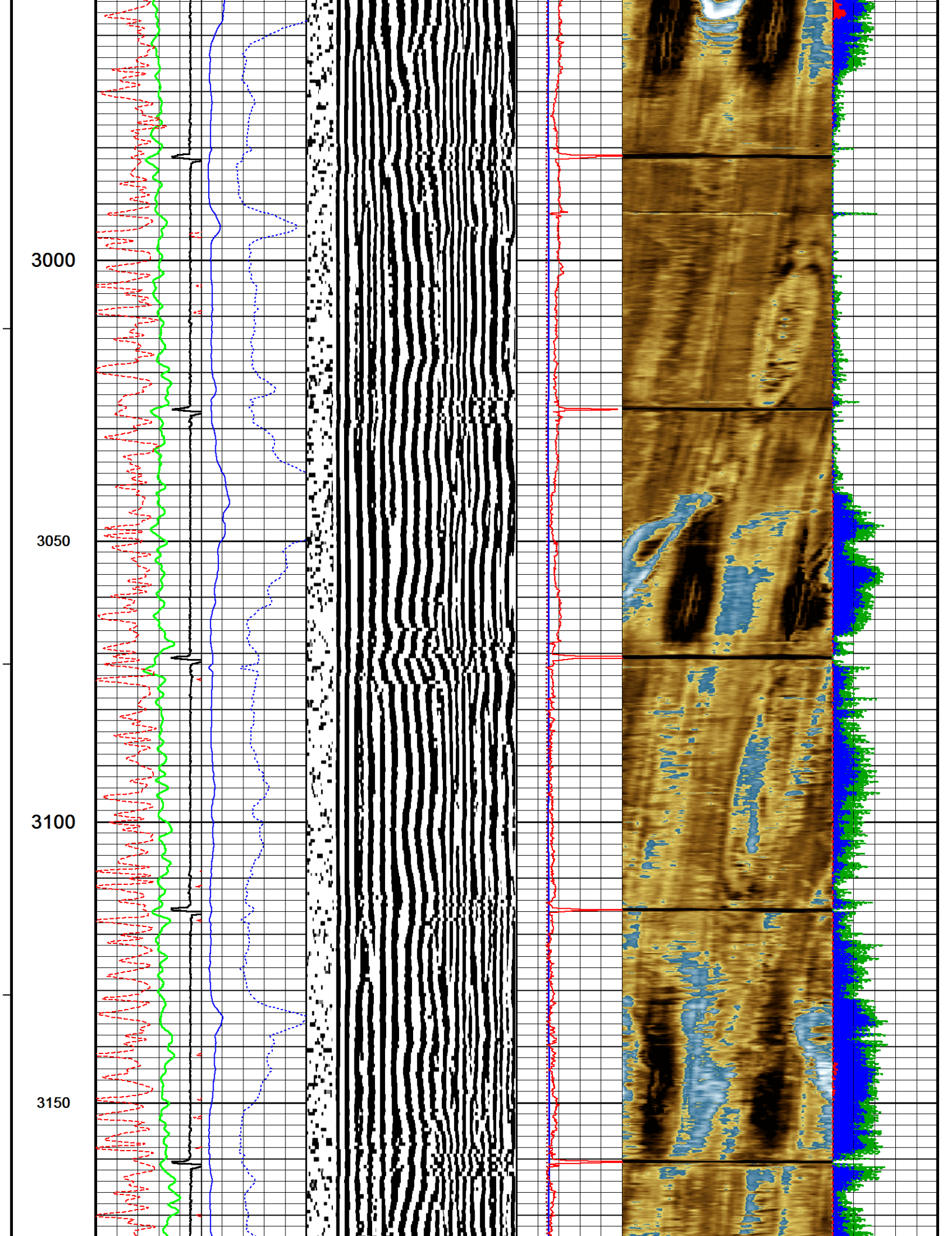
2850

2900

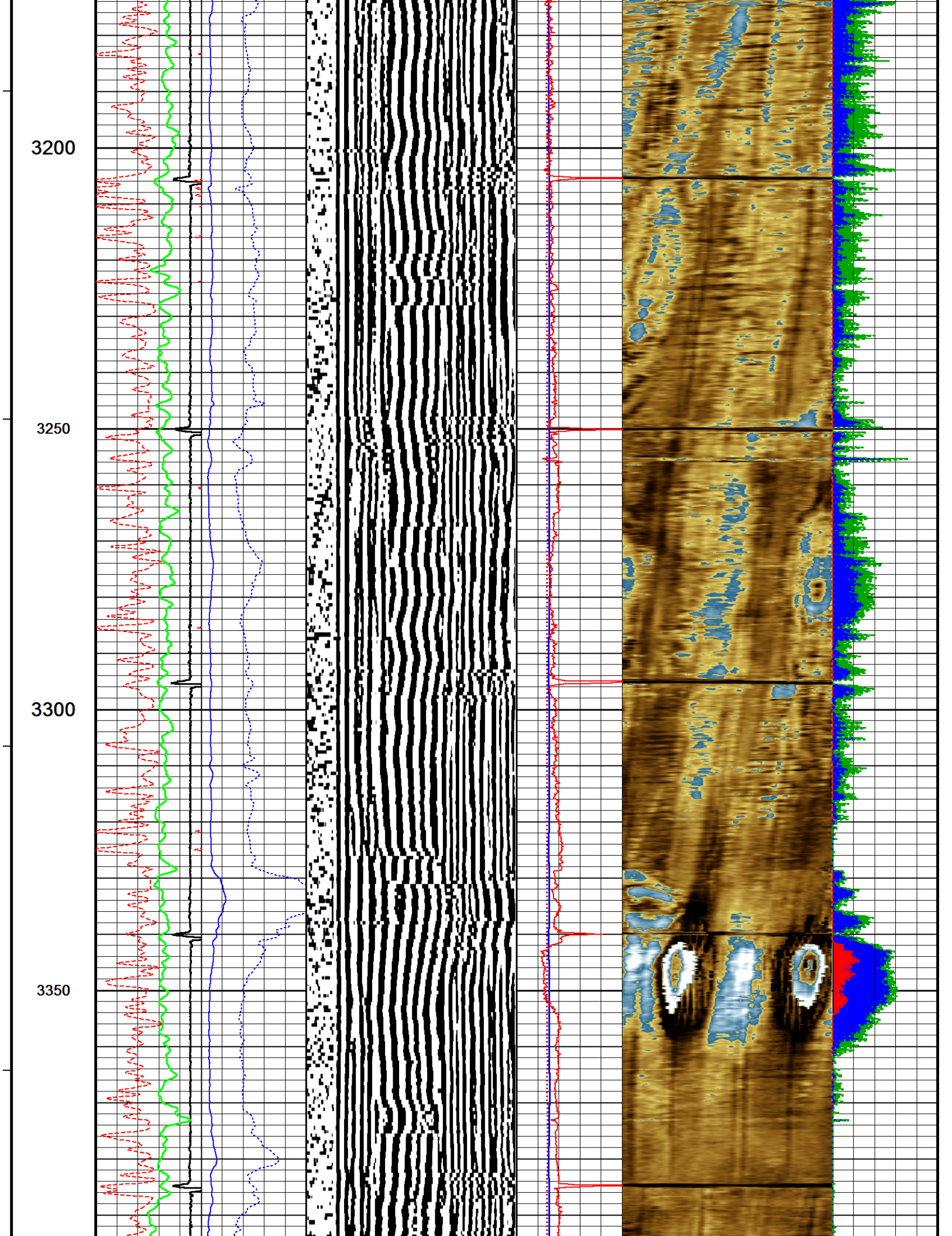
2950











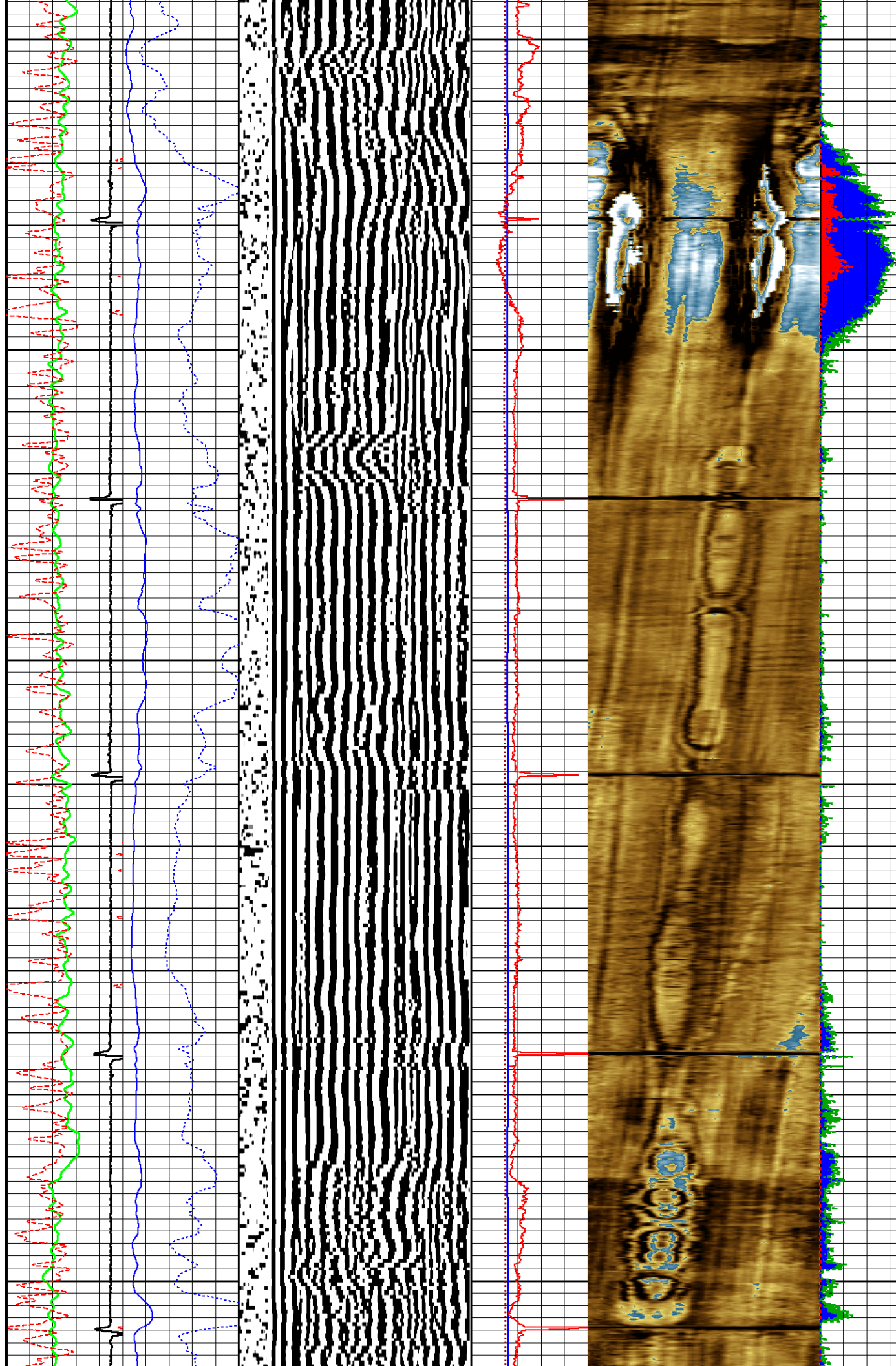
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3450

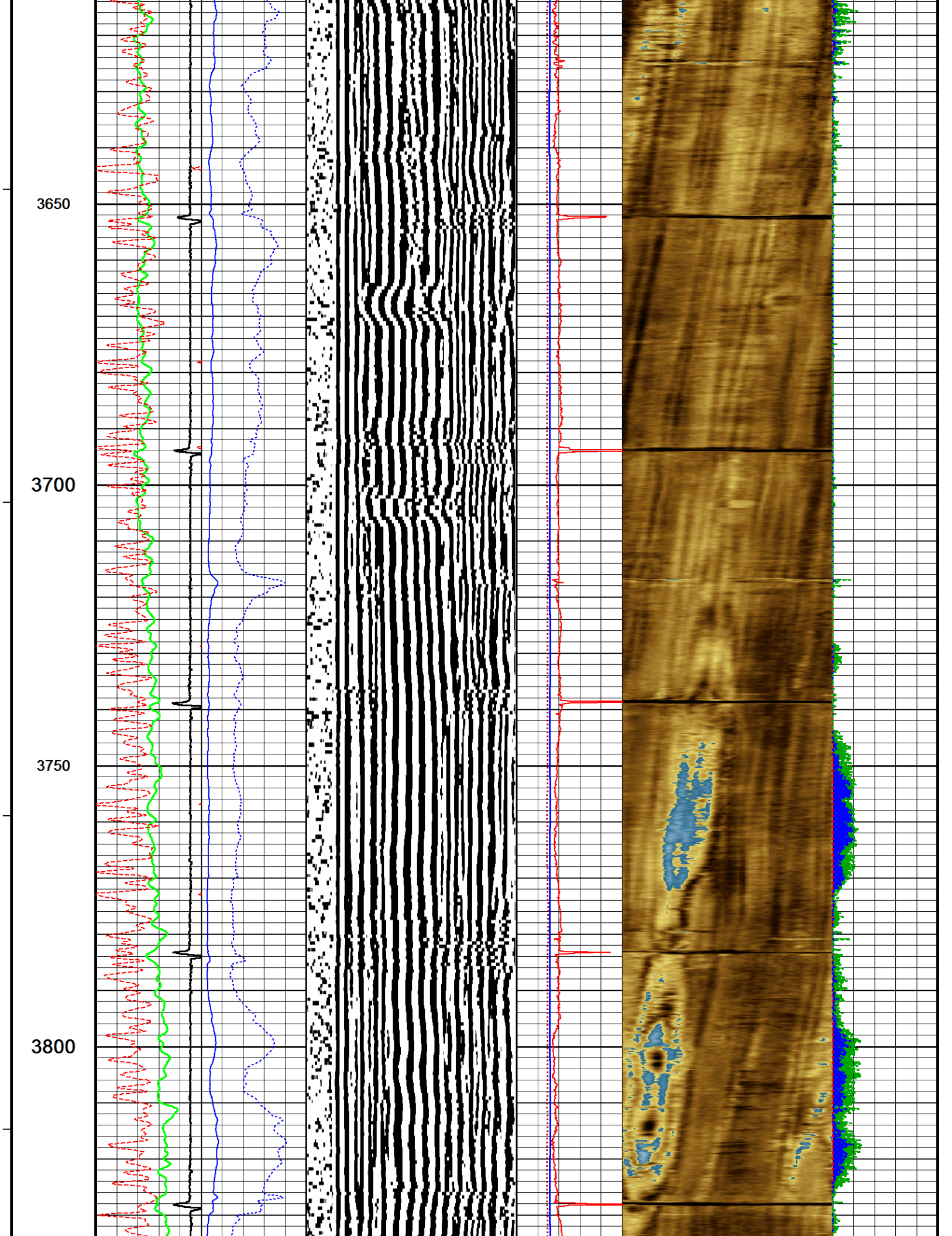
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3550

3600







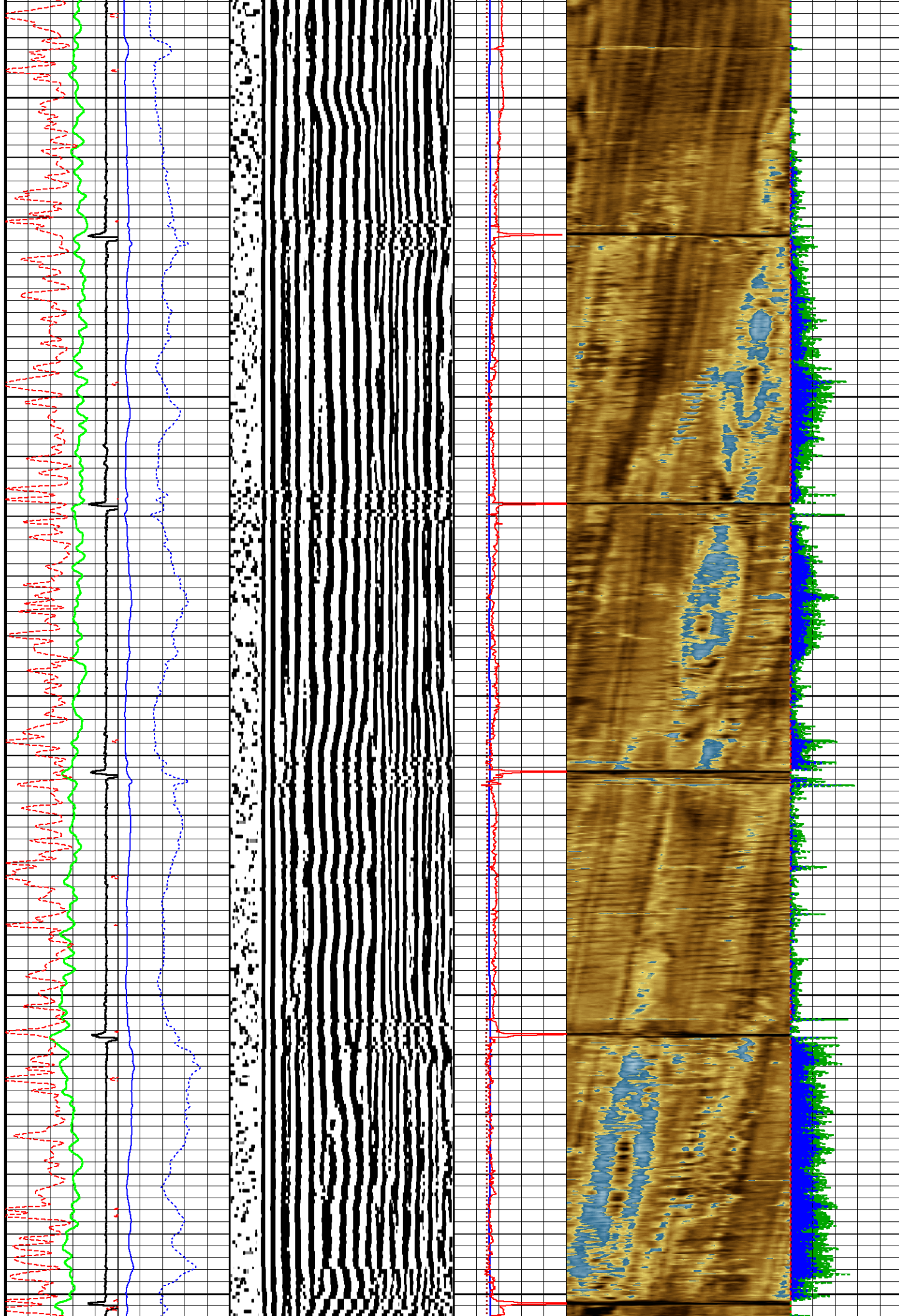
3850

3900

3950

4000

4050



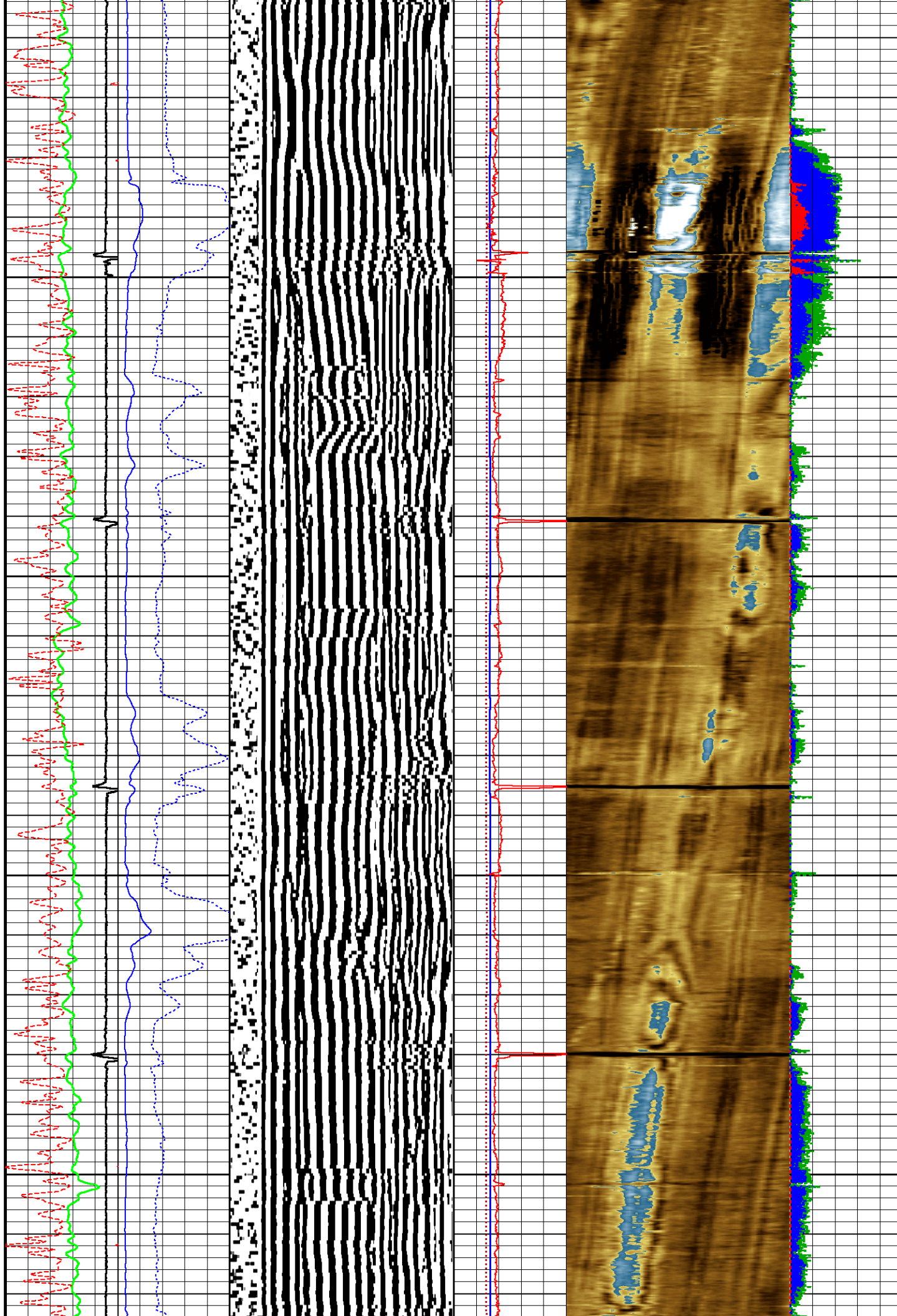


4100

4150

4200

4250

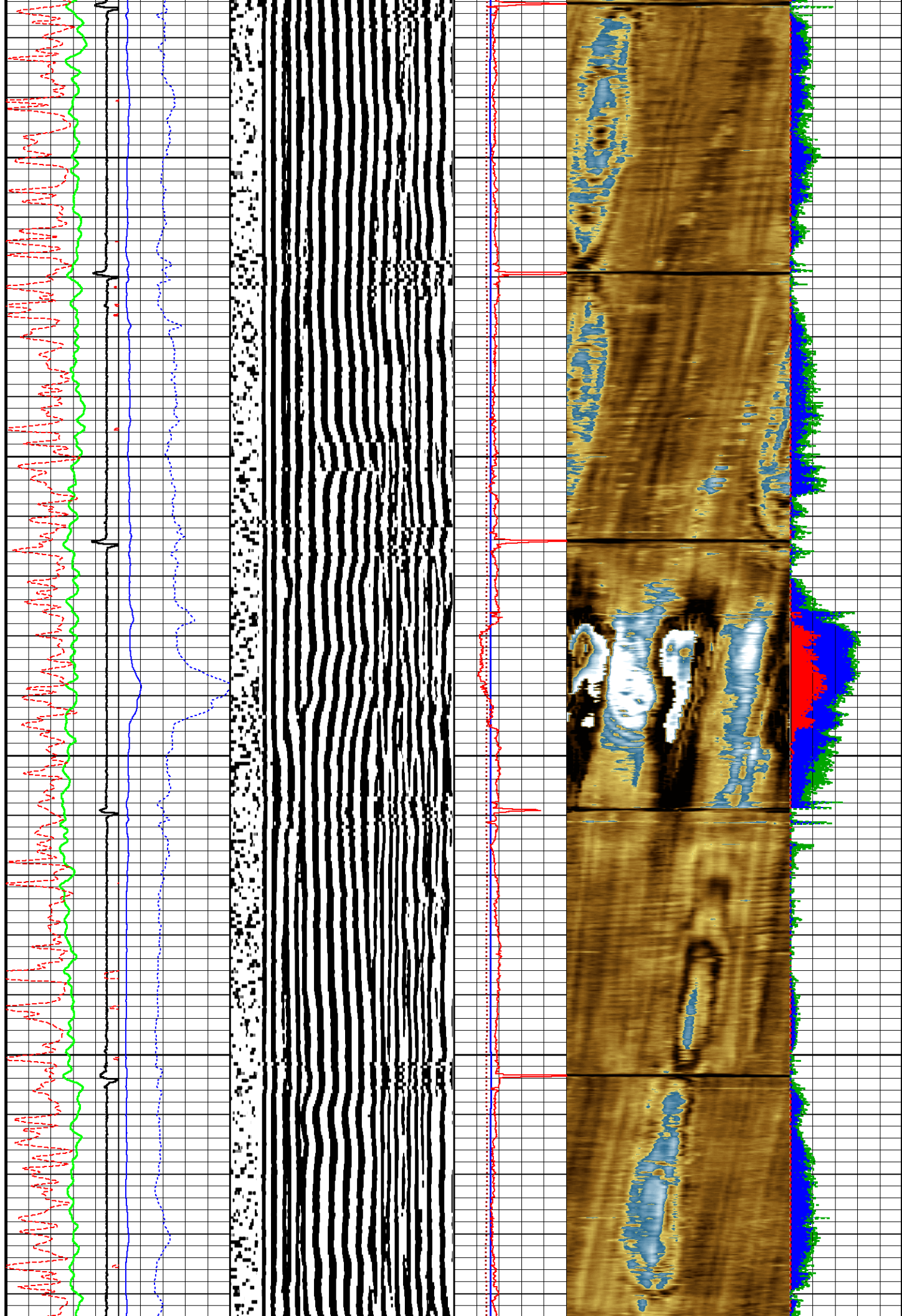


4300

4350

4400

4450





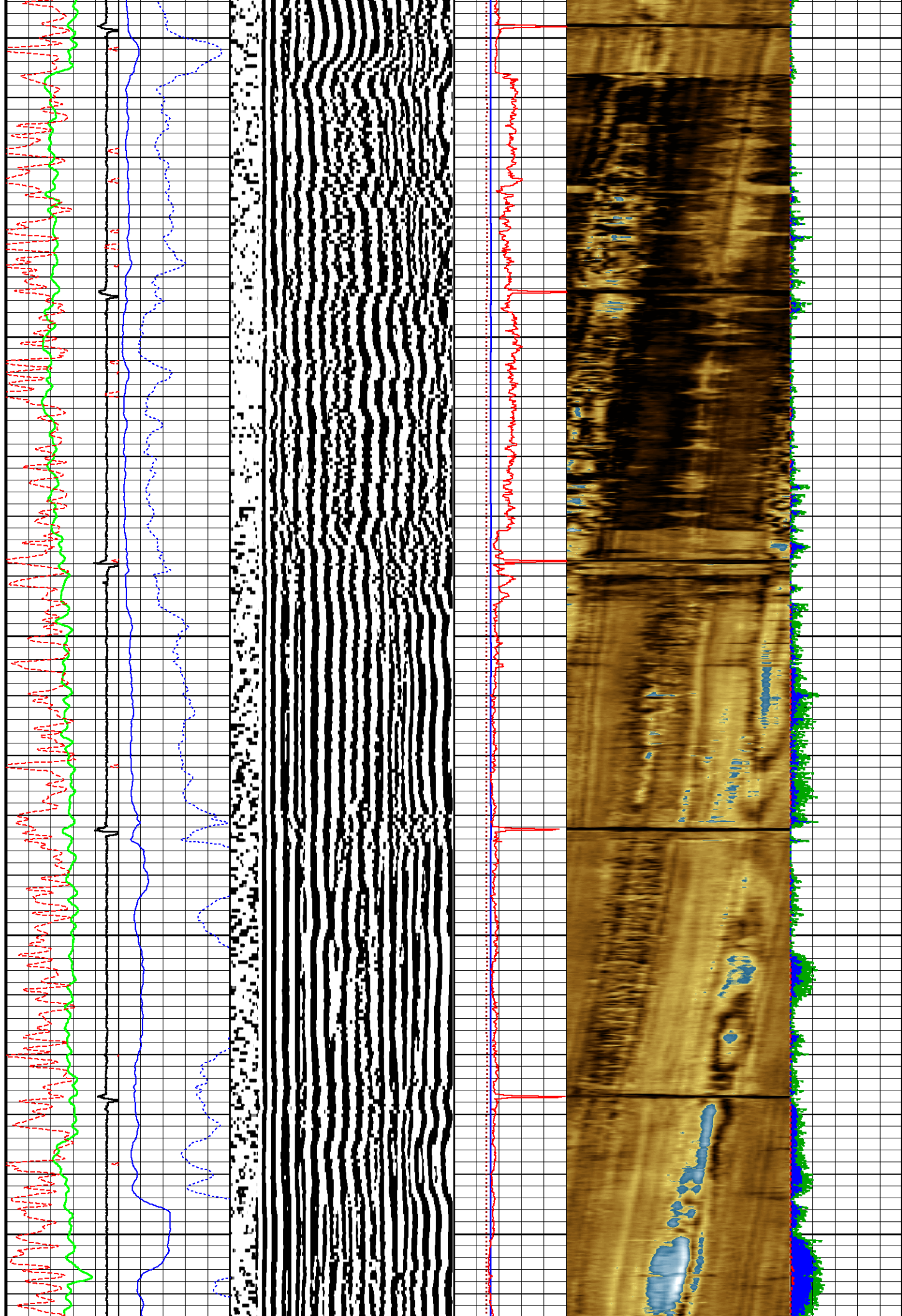
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4550

4600

4650

4700

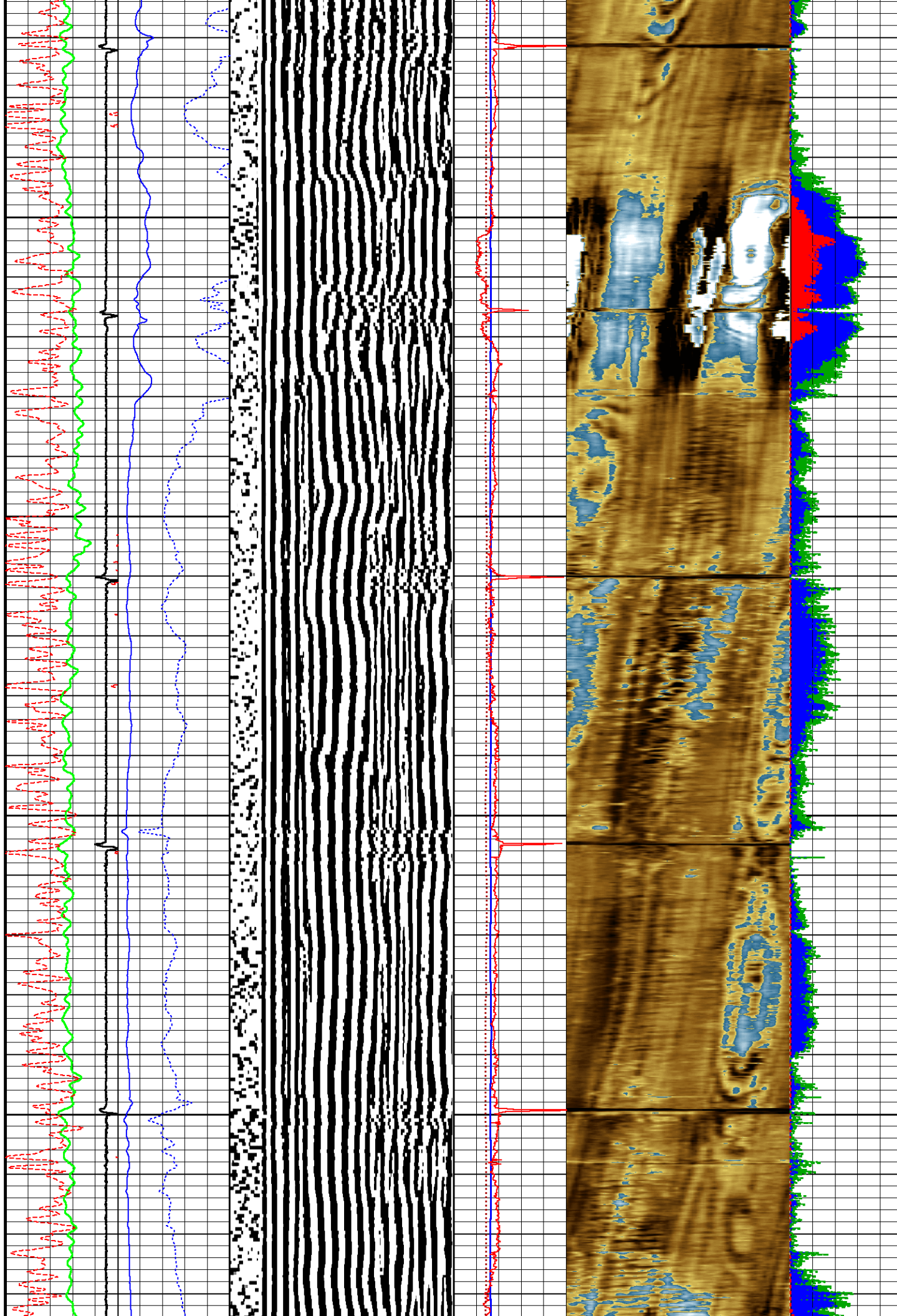


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4800

4850

4900





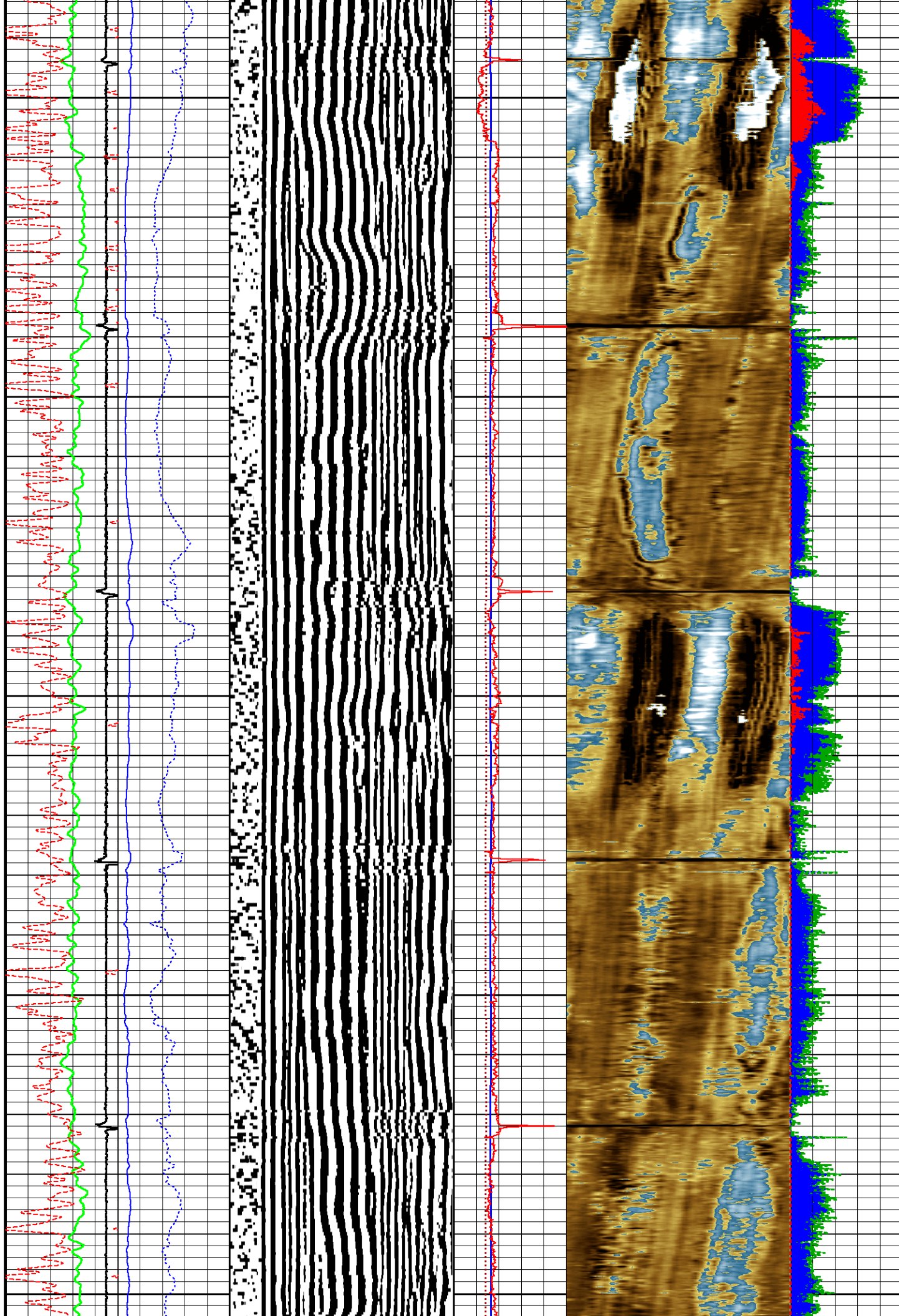
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5000

5050

5100

5150

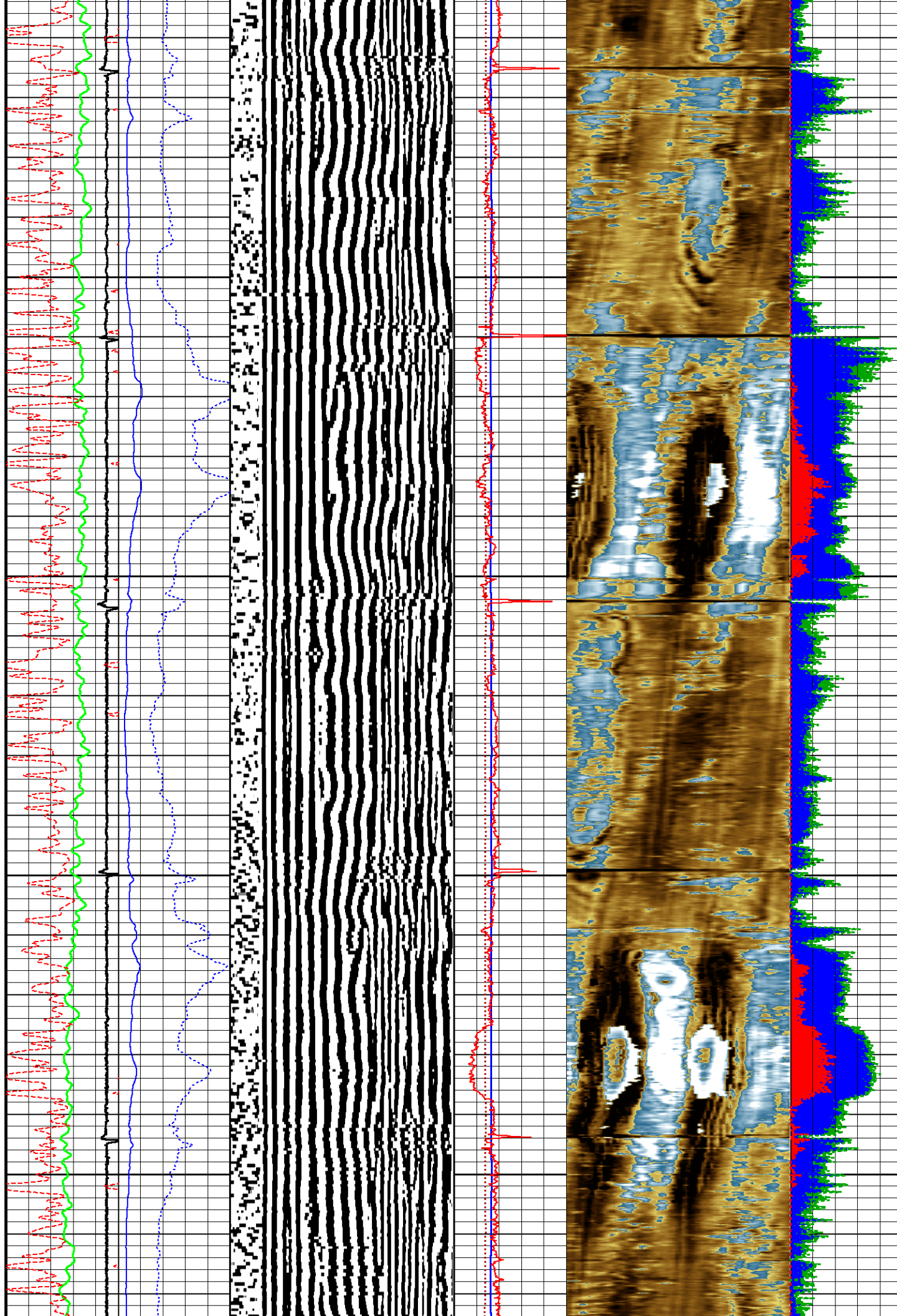


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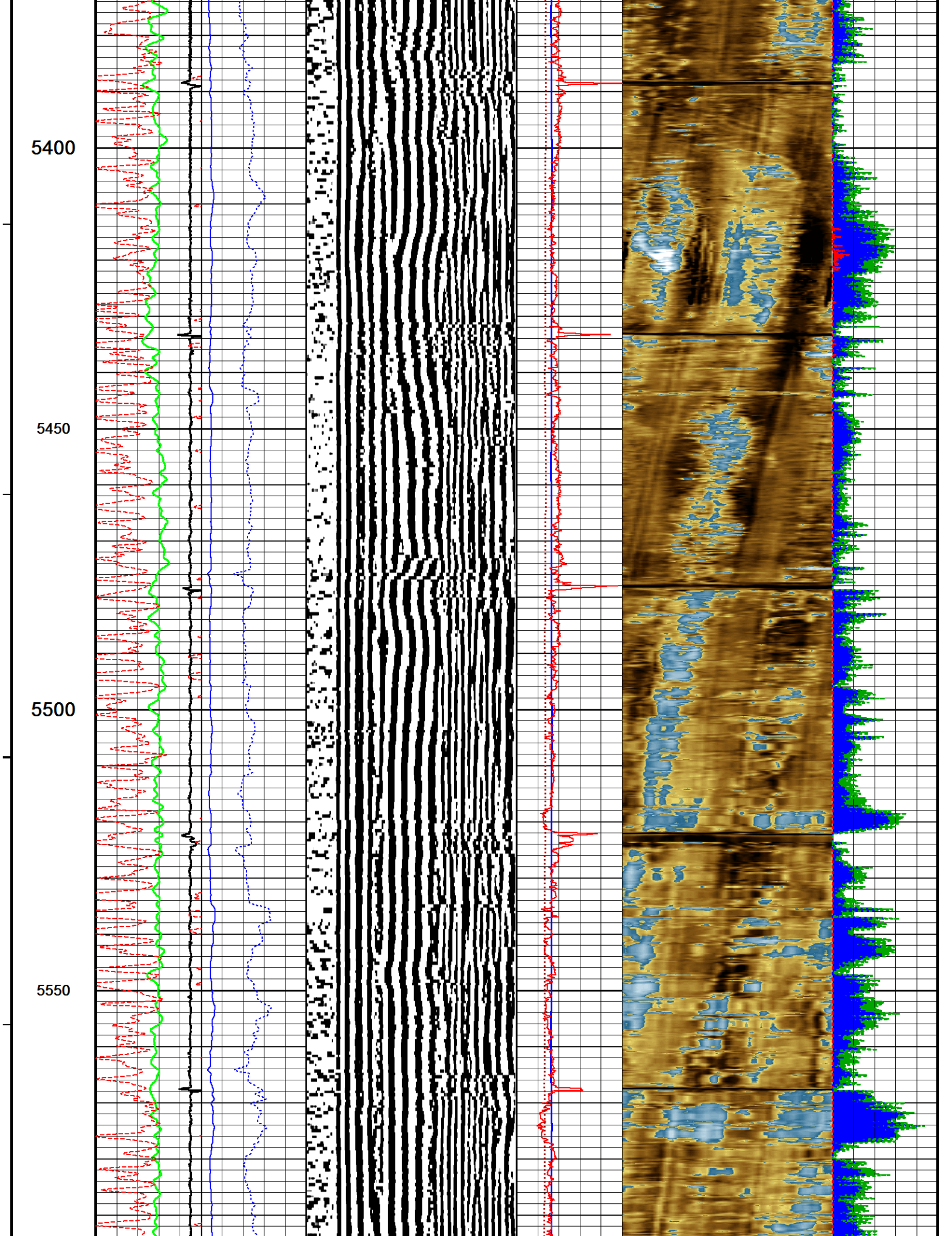
5250

5300

5350







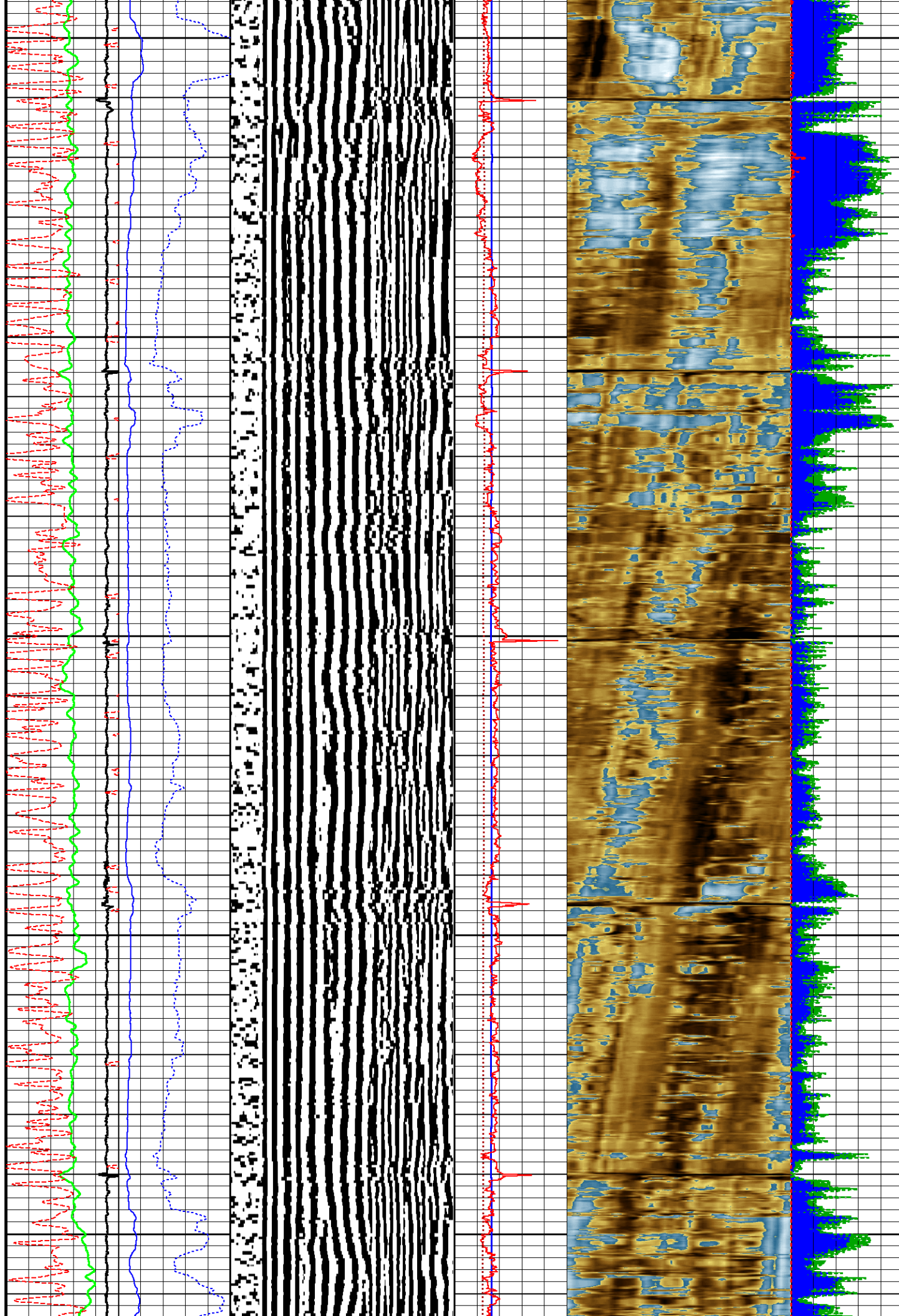
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5650

5700

5750

5800



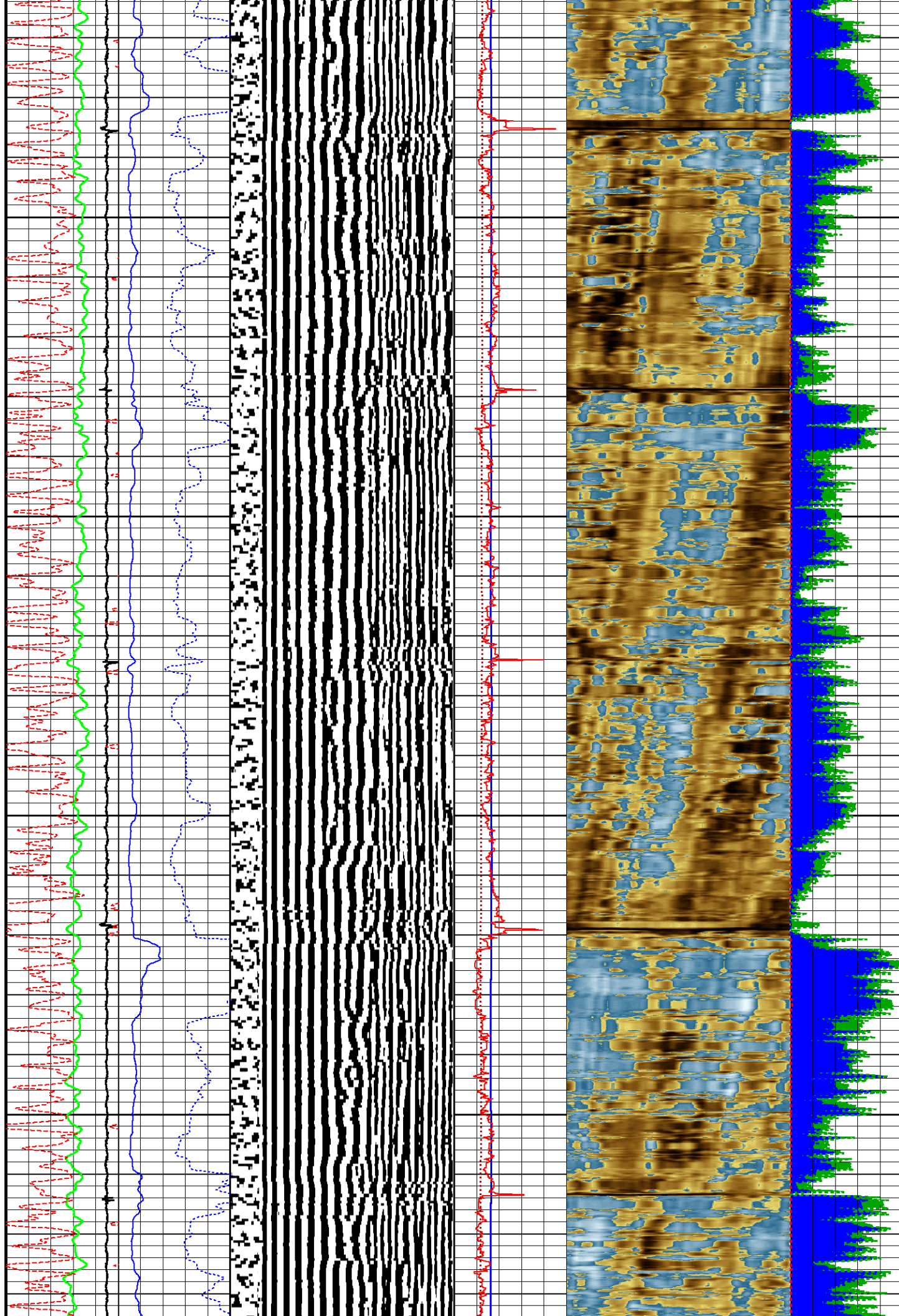


5850

5900

5950

6000



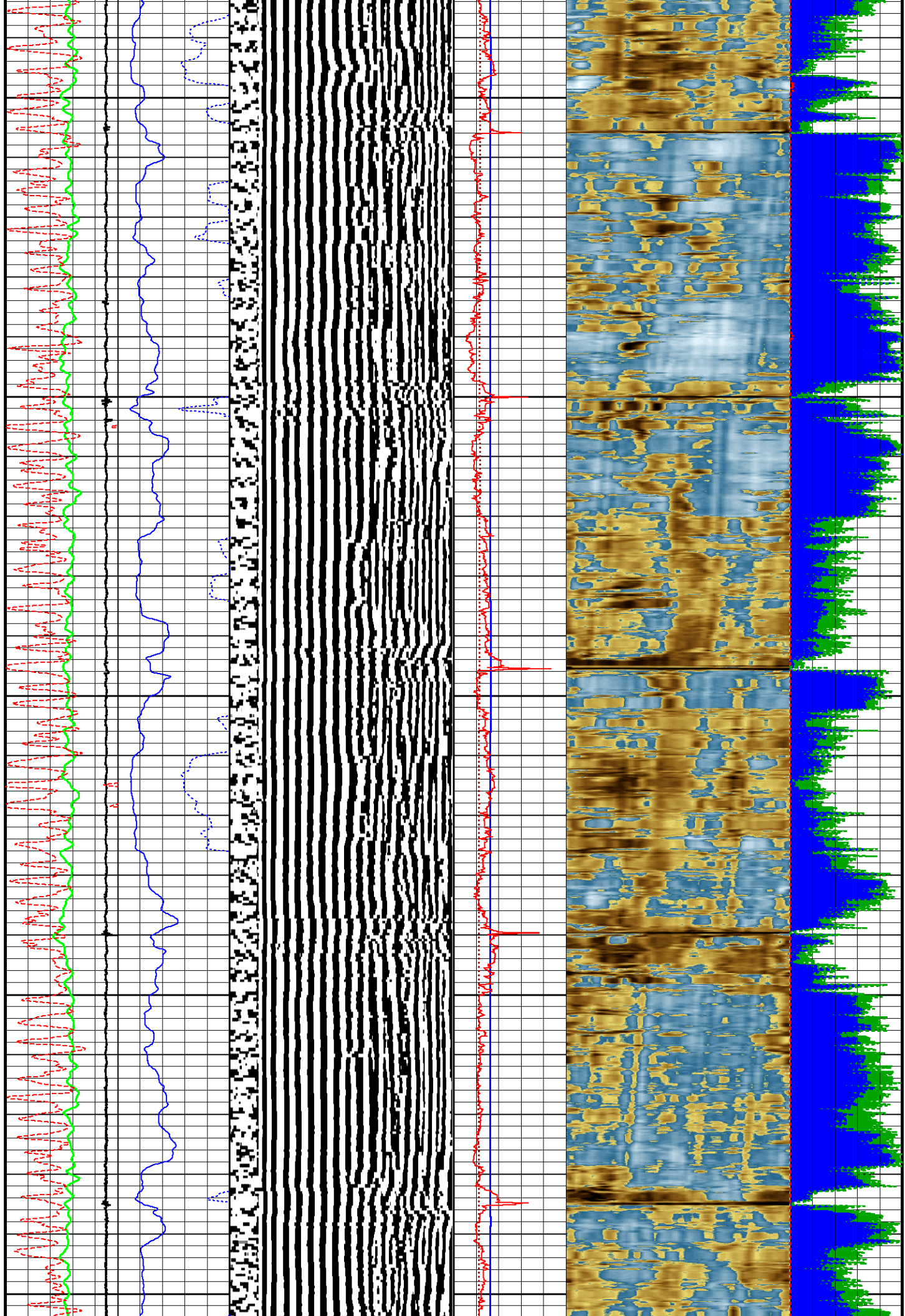
6050

6100

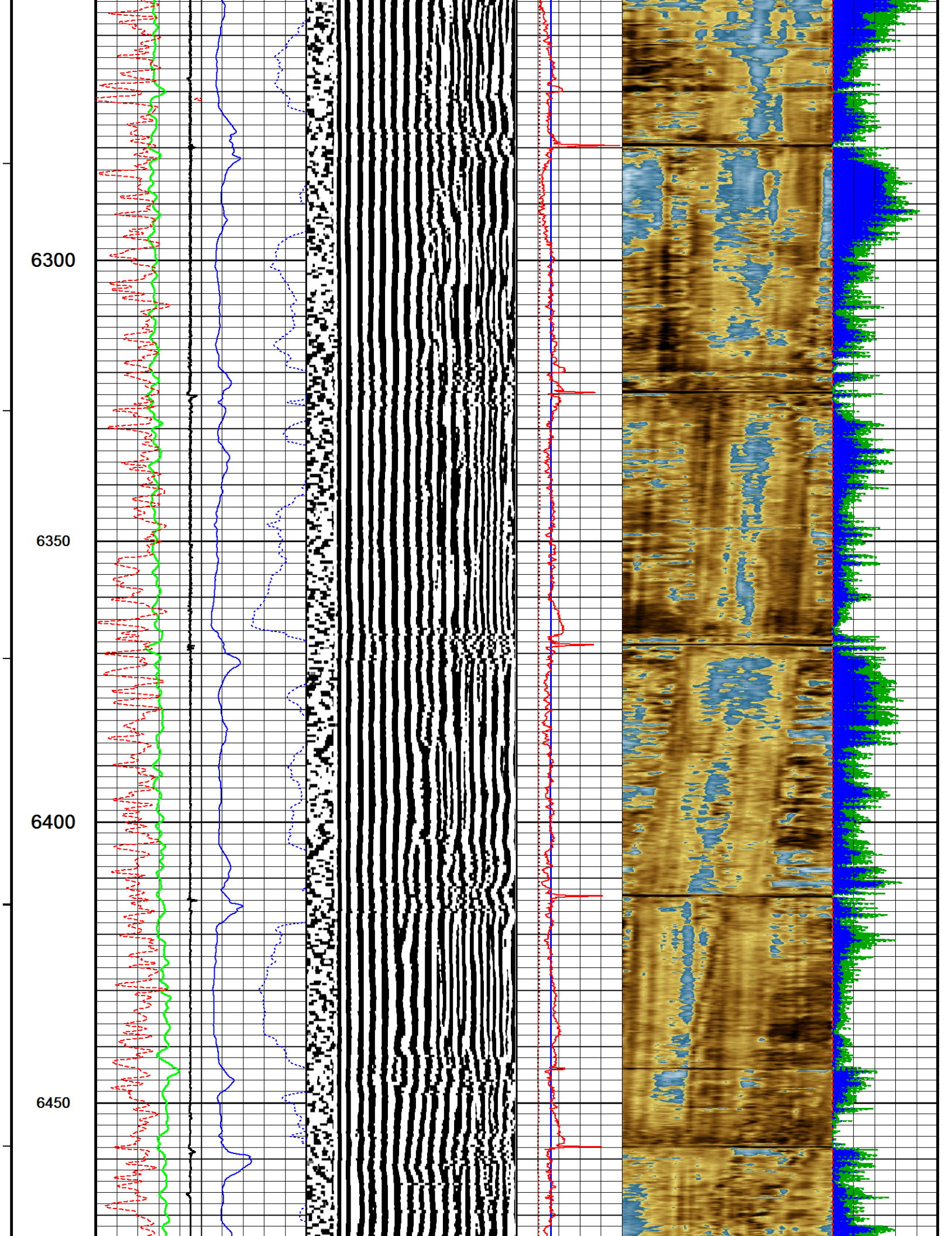
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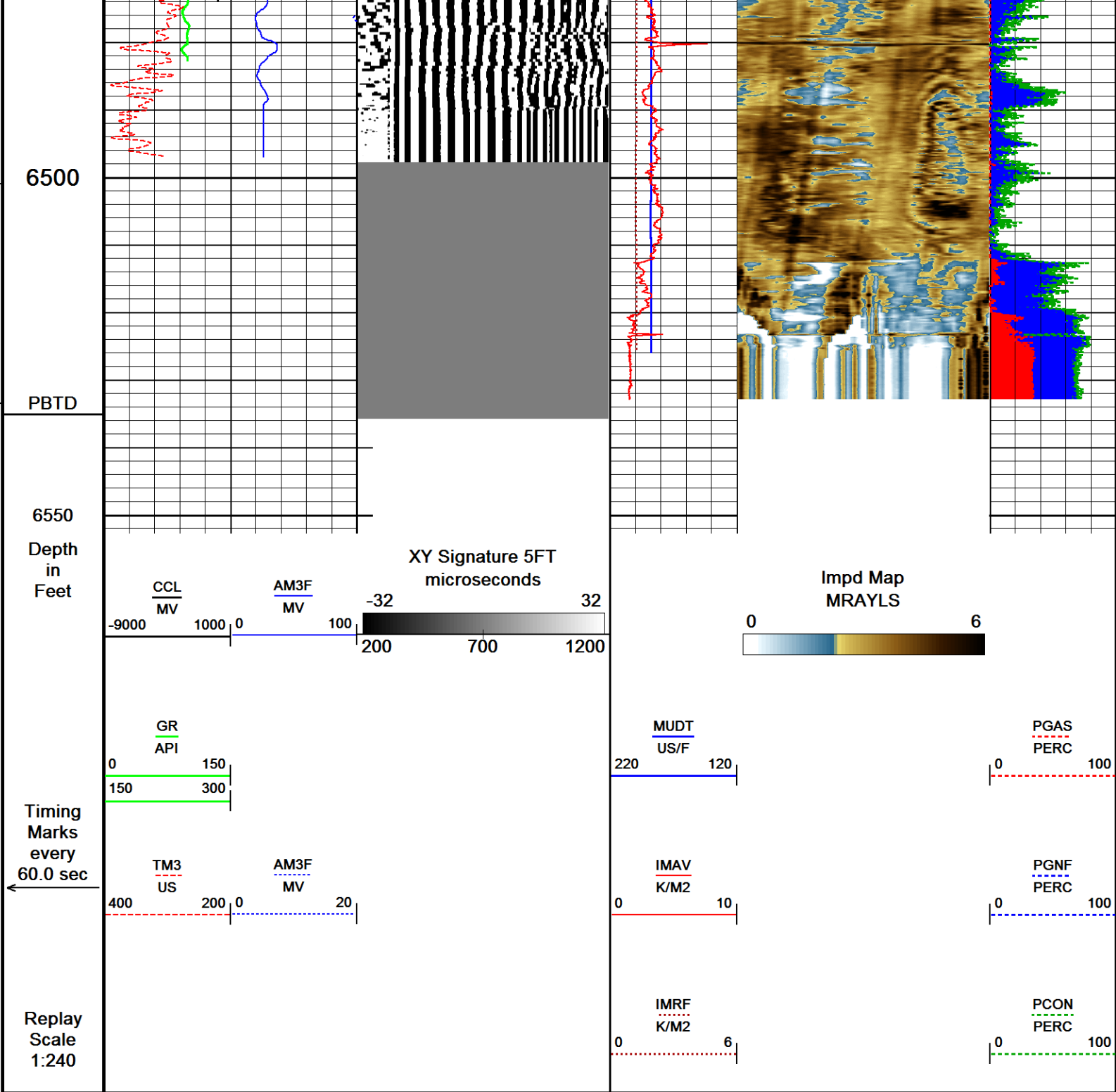
6200

6250









Depth Based Data - Maximum Sampling Increment 2.5cm

Filename: C:\Logs\Extraction\VARRA 6\VARRA 6 MAIN PASS.dta

System Versions: Logged with 16.05.3841 Plotted with 16.05.3841

Plotted on 04-DEC-2016 20:22

Recorded on 04-DEC-2016 12:26

MAIN PASS

REPEAT PASS

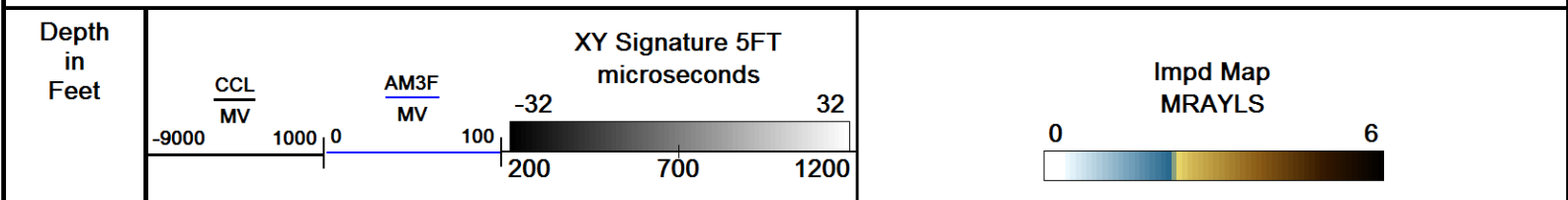
Depth Based Data - Maximum Sampling Increment 2.5cm

Filename: C:\Logs\Extraction\VARRA 6\VARRA 6 REPEAT PASS.dta

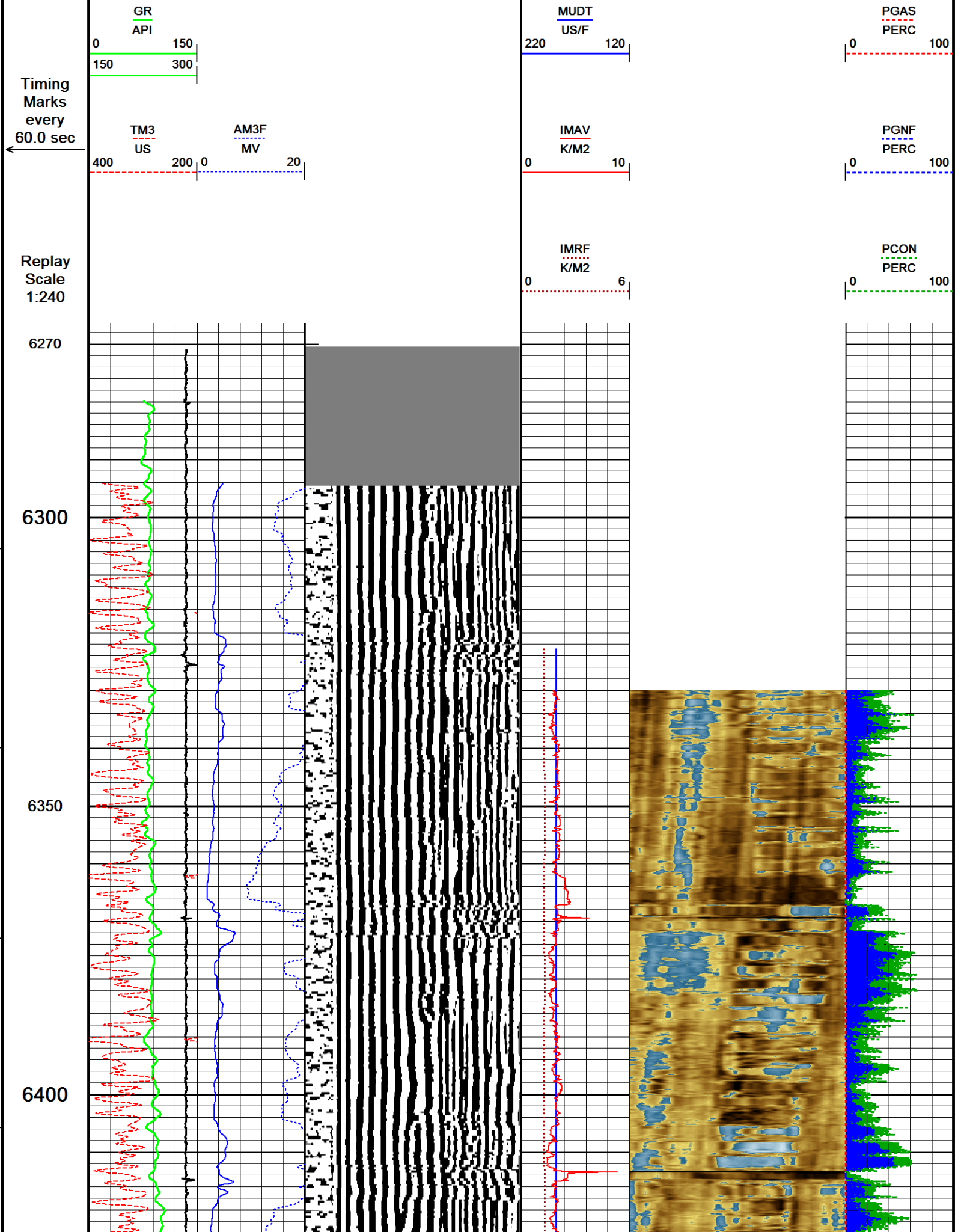
System Versions: Logged with 16.05.3841 Plotted with 16.05.3841

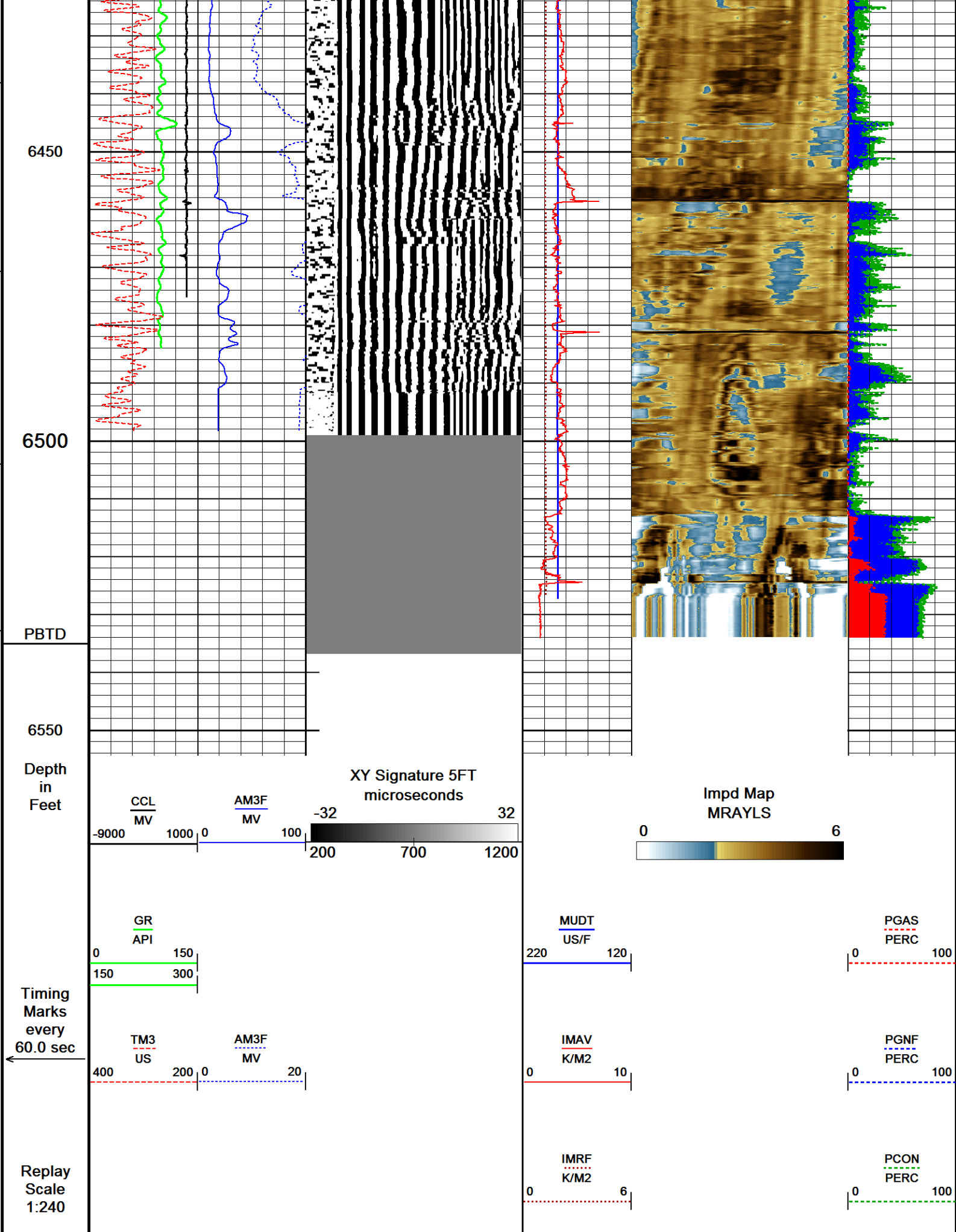
Plotted on 04-DEC-2016 20:22

Recorded on 04-DEC-2016 12:16













REPEAT PASS



## DOWNHOLE EQUIPMENT

C:\Logs\Extraction\VARRA 6\VARRA 6 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 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

## 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 162 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in



59.48 ft CCL - Collar Locator

51.39 ft GR - Gamma Ray

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

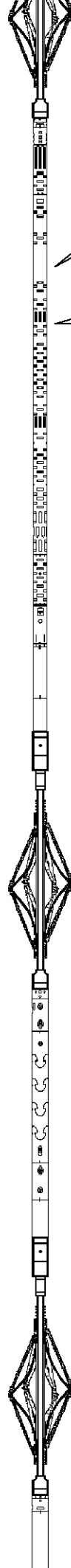
36.70 ft AM3F - Amplitude 3FT  
36.70 ft TM3 - Travel Time 3FT  
35.70 ft TM5 - Travel Time 5FT  
35.70 ft XY5 - XY Signature 5FT

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 182 LG: 4.35 ft WT: 90.4 lb OD: 3.390 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

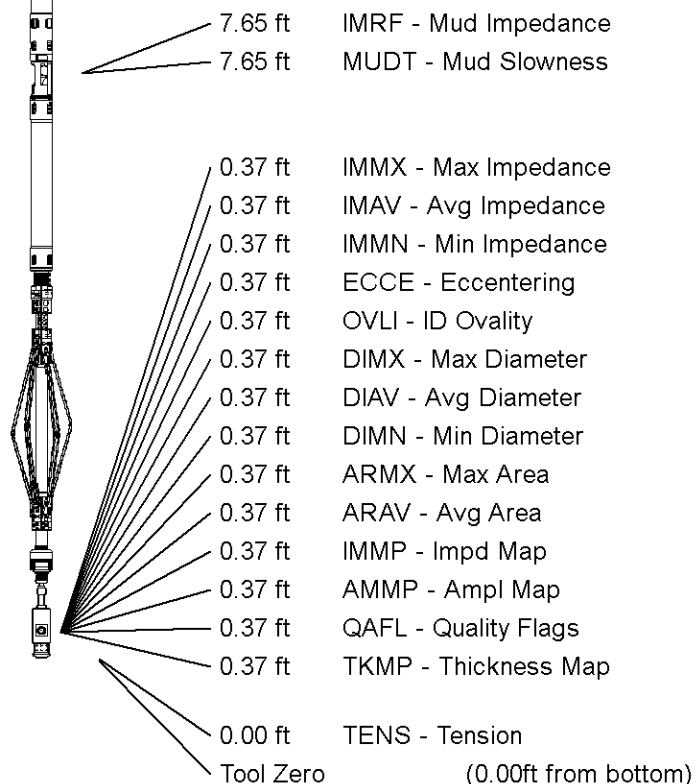




URS Sonde Section  
 USS-AB 178 LG: 9.65 ft WT: 167.6 lb OD: 3.386 in

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

Total Length: 65.13 ft Weight: 1122.2 lb



All measurements relative to tool zero.

## SHOP AND FIELD CALIBRATIONS

C:\Logs\Extraction\VARRA 6\VARRA 6 MAIN PASS.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	444.52
AMP 5 FT	100 % Bond	1.20	0.00
	Free Pipe	36.00	408.30

CBT Constants	CBT-AA 101
Last Edited on 04-DEC-2016 12:26	
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 04-DEC-2016 12:26

\*\*\* 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	4.00

\*\* Depth Specific Settings \*\*


Dpth Intvl	Dpth Intvl	Cs Sz	Cs WT	Zhd Cal	ZMd Cal	Thk	Harmnc K
Min(F)	Max(F)	(IN)	(LB/G)	ARatio	ARatio	(IN)	Factor



0.00	1609.00	5.50	36.00	1.50	1.50	0.36	1.00
0.00	17004.00	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	Titanium Air Backed
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

COMPANY	EXTRACTION OIL & GAS				
WELL	VARRA 6				
FIELD	WATTENBERG				
PROVINCE/COUNTY	WELD				
COUNTRY/STATE	USA / COLORADO				
Elevation Kelly Bushing	4924	feet	Bottom Log Interval	6535.00	feet
Elevation Drill Floor	4924	feet	Depth Driller	17004.00	feet
Elevation Ground Level	4899	feet	Depth Logger	6535.00	feet
<div><div>SECUREVIEW ULTRAVIEW/BONDVIEW CEMENT ANALYSIS</div></div>					