
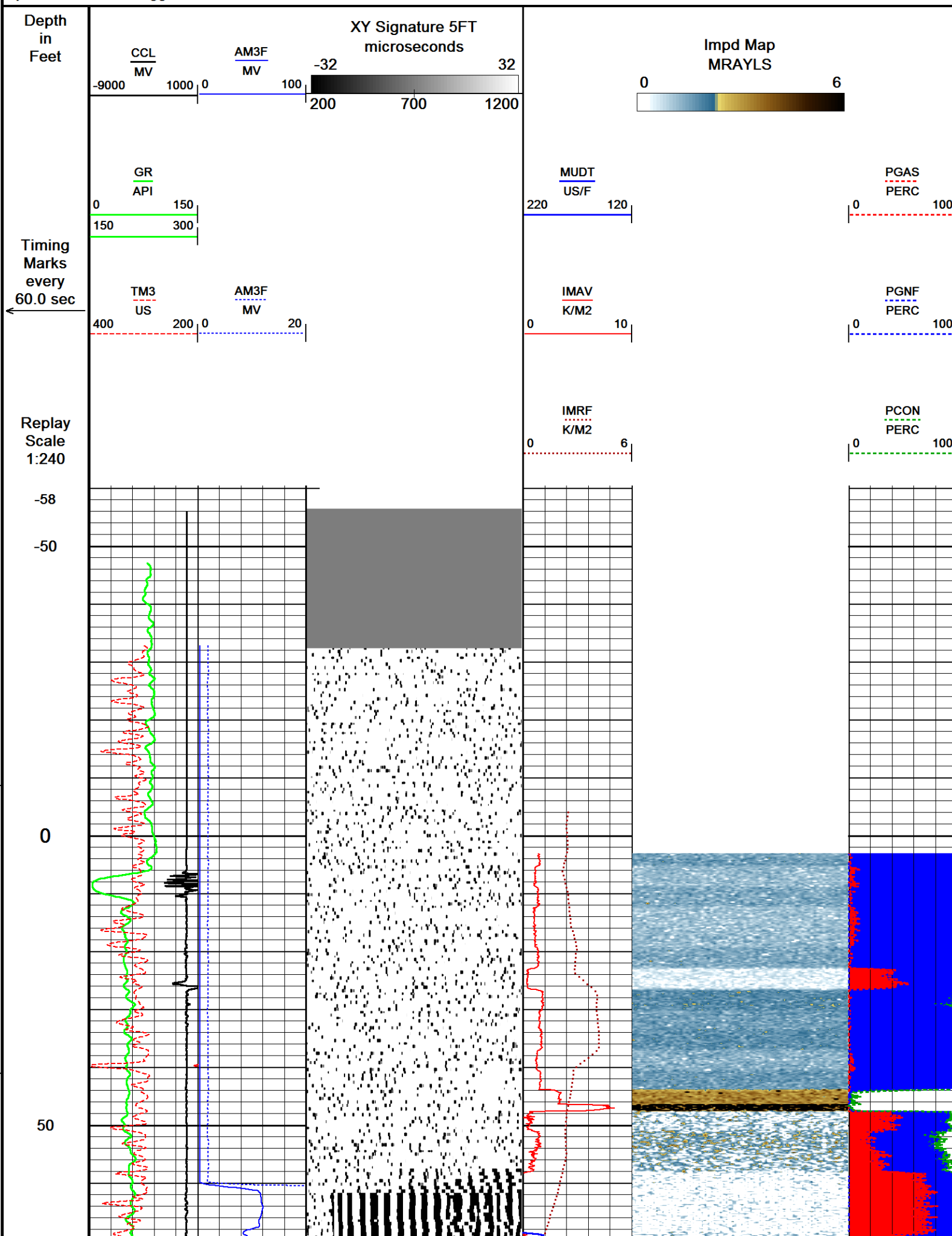
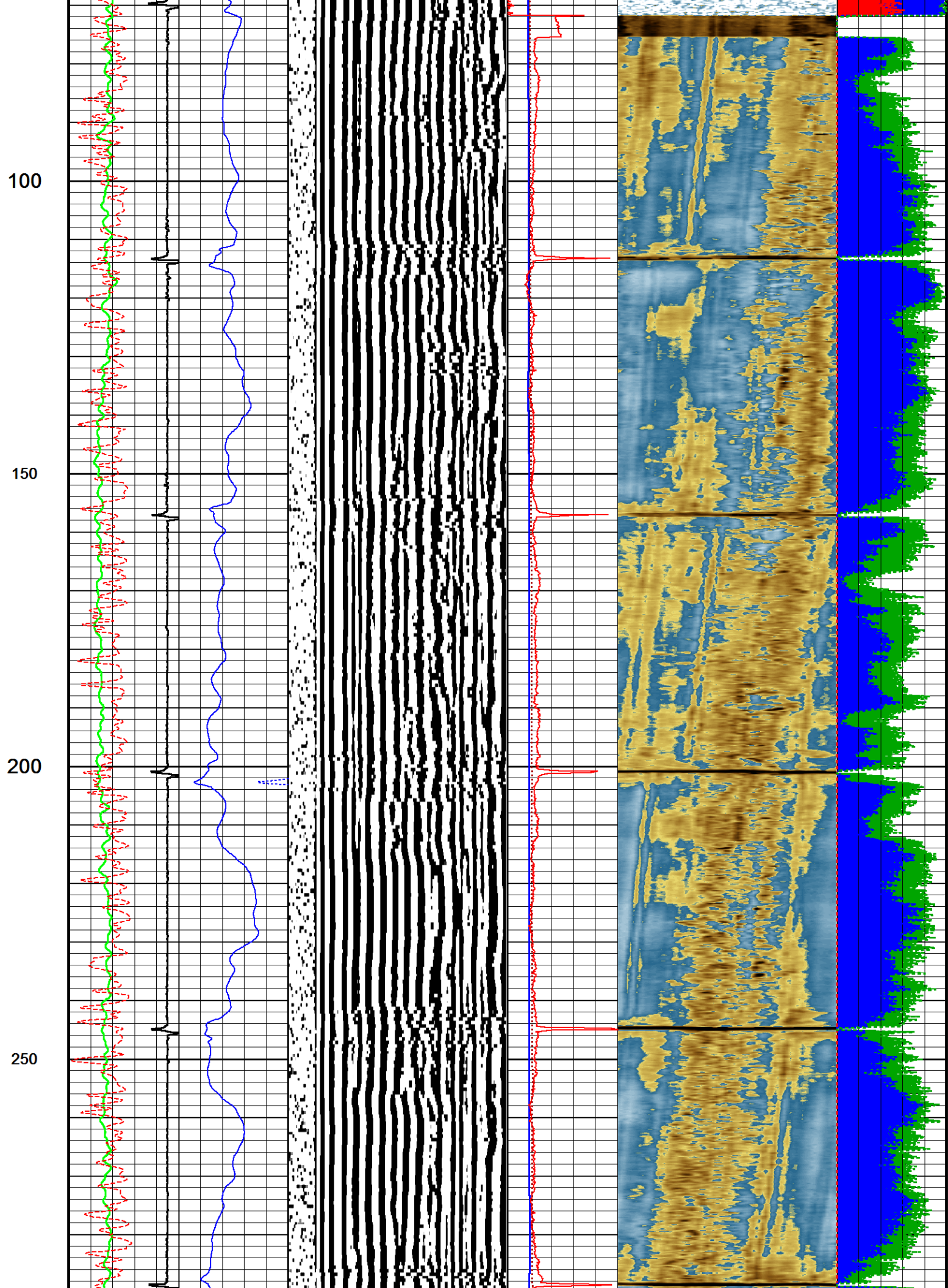
				SECUREVIEW			
				ULTRAVIEW/BONDVIEW			
				CEMENT ANALYSIS			
COMPANY				EXTRACTION OIL & GAS			
WELL				VARRA 10			
FIELD				WATTENBERG			
PROVINCE/COUNTY				WELD			
COUNTRY/STATE				USA / COLORADO			
LOCATION							
SEC 5	TWP 6N	RGE 67W	Other Services				
Latitude			Permanent Datum GROUND LEVEL, Elevation 4899 feet Log Measured From KB, 25 feet above Permanent Datum Drilling Measured From KB @ 25'				
Longitude							
API Number							
05 123 39990 00							
Date							
03-DEC-2016			PERFORATION RECORD				
Run Number	ONE		Shot	Number	Depth From	Depth To	
Service Order	168006026		Density	of Shots	feet	feet	
Type Log	URS/CBT						
Depth Driller	14133.00						
Depth Logger	6600.00						
Top Log Interval	0.00						
Bottom Log Interval	6600.00						
Hole Fluid Type	WATER						
Hole Fluid Level	0.00		feet				
Restriction ID	4.767		inches				
Max Recorded Temp			Gun Type				
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	1529.00	
Unit	14338		5.500	20.00	0.00	17369.00	
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	1529.00	36.00
PRODUCTION			5.500	0.00	17369.00	20.00

REMARKS

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.





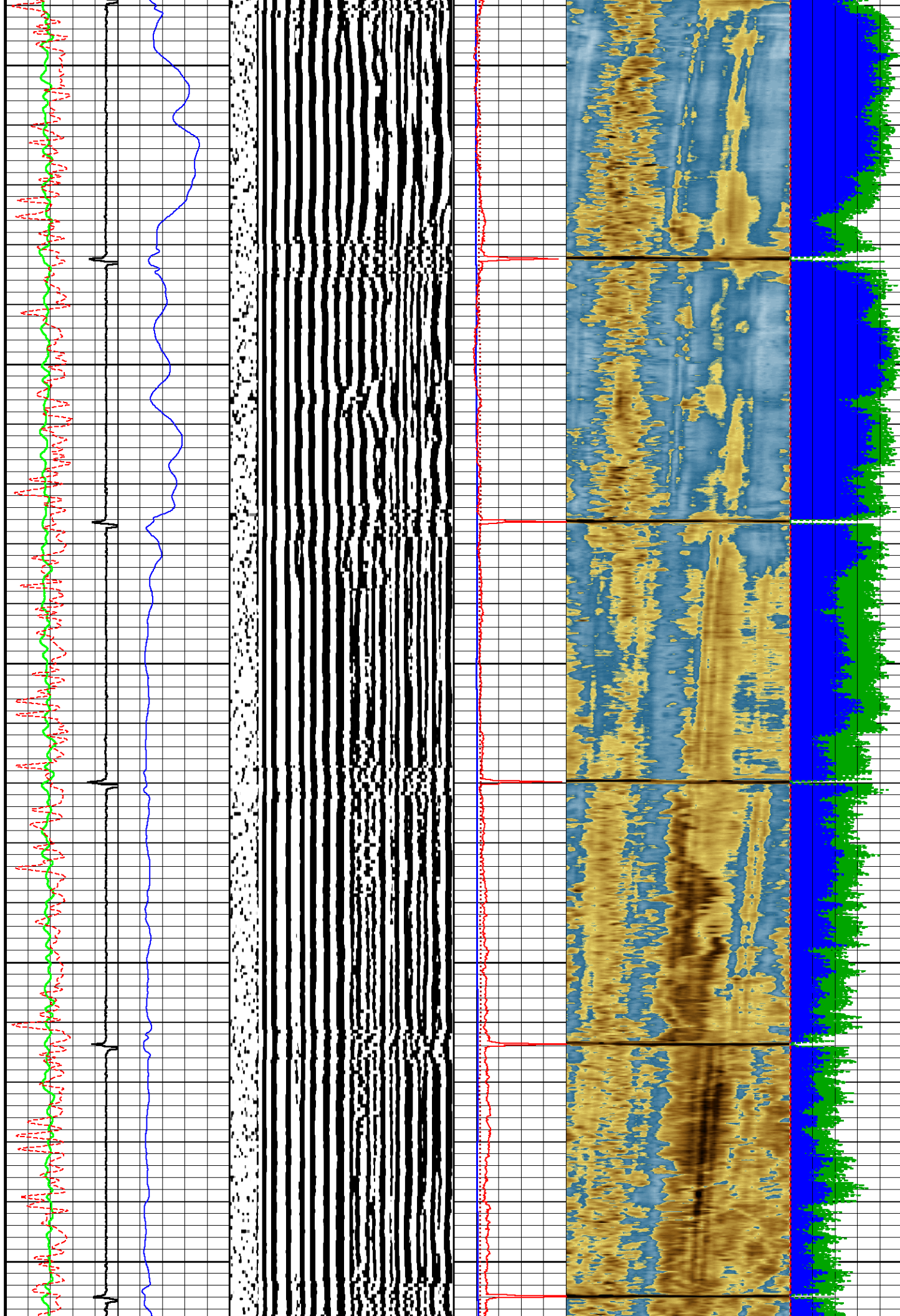
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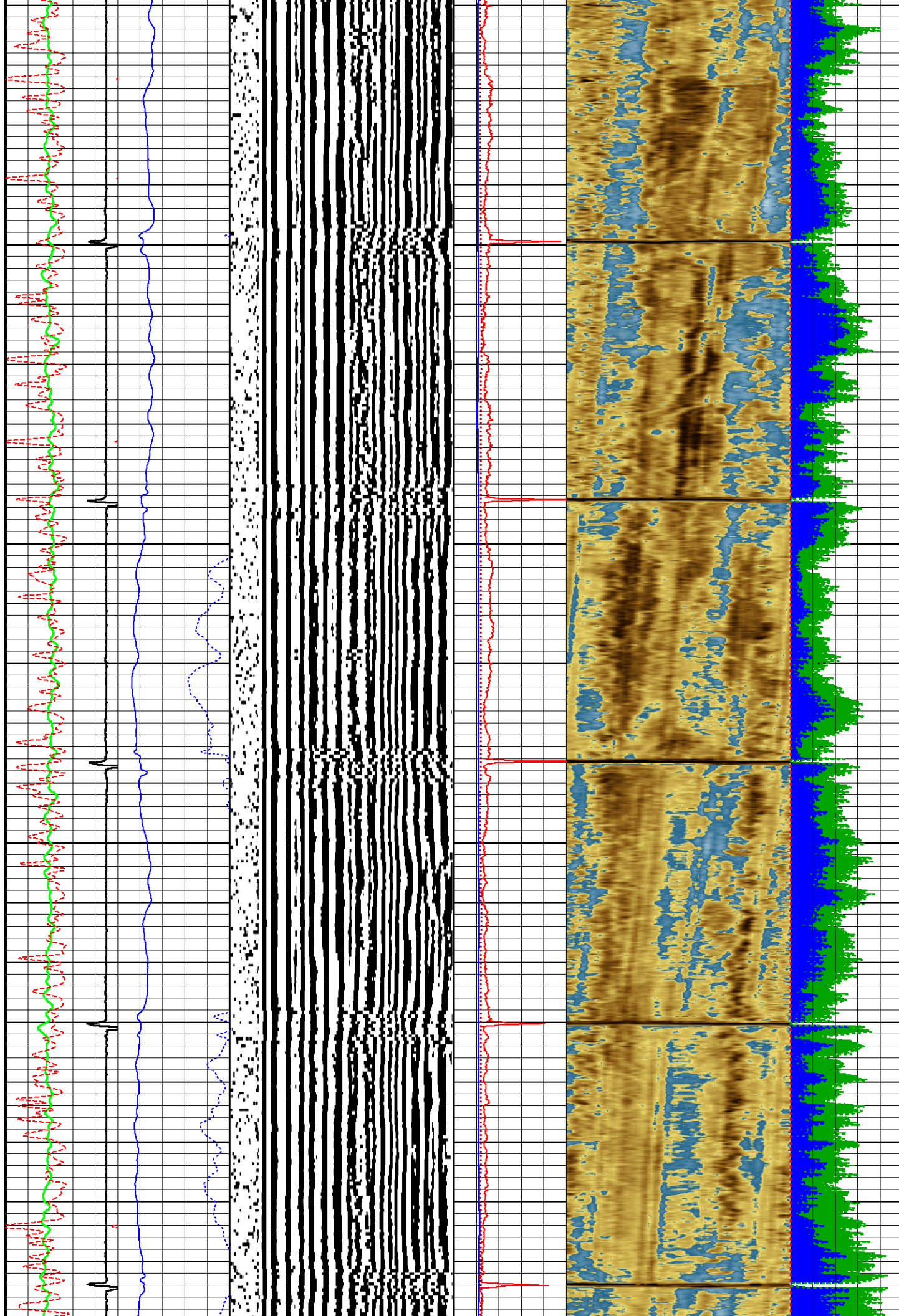


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650

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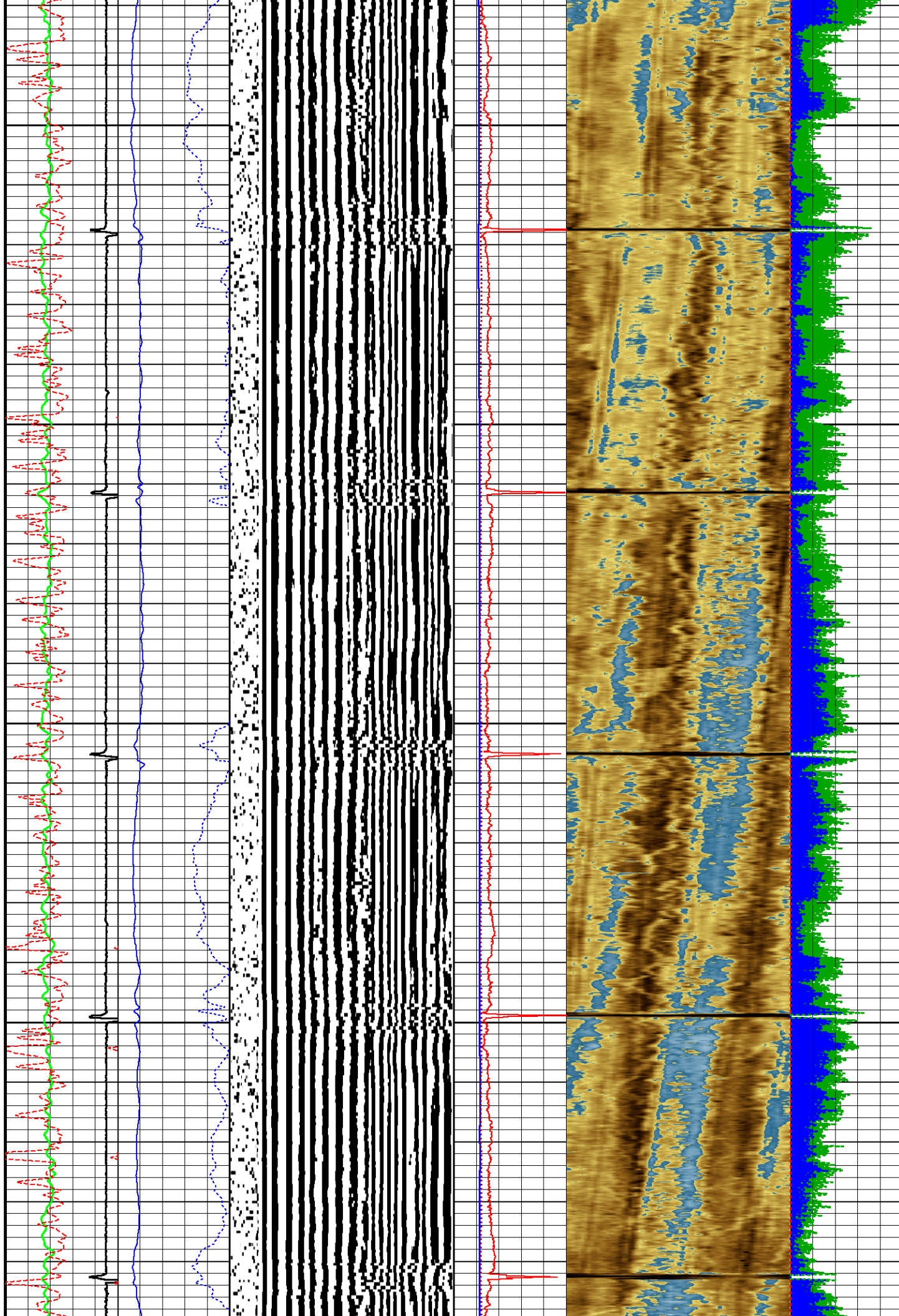


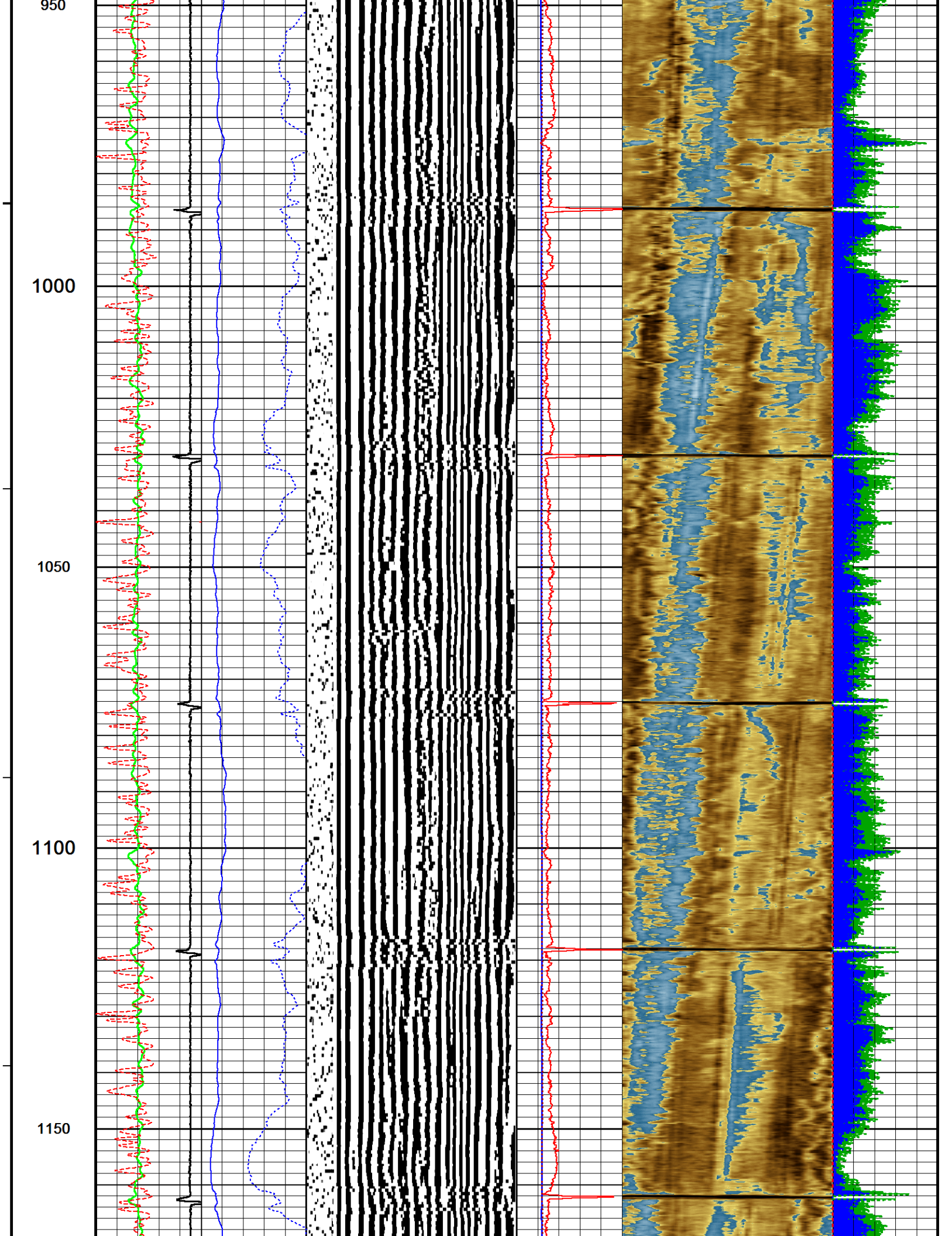
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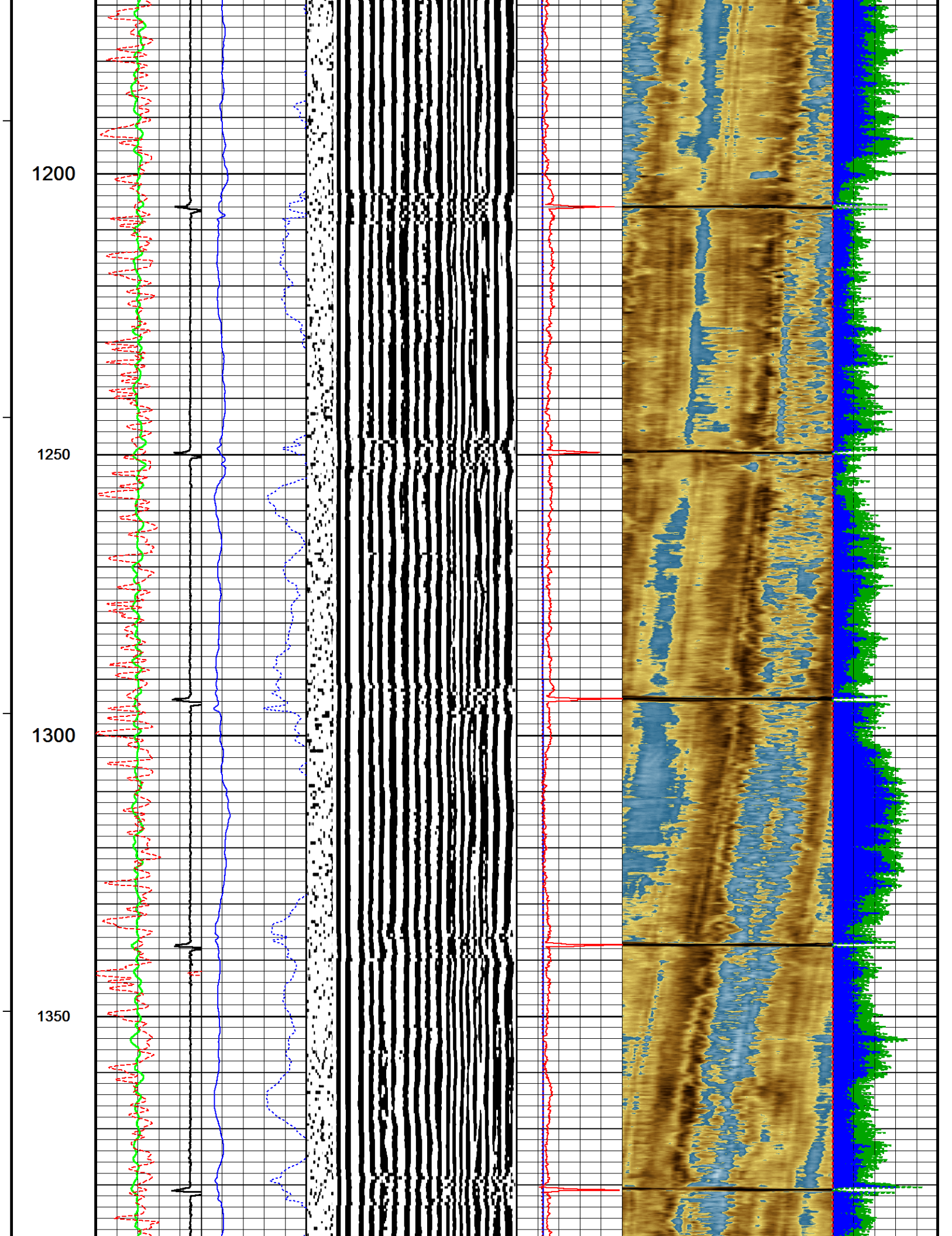
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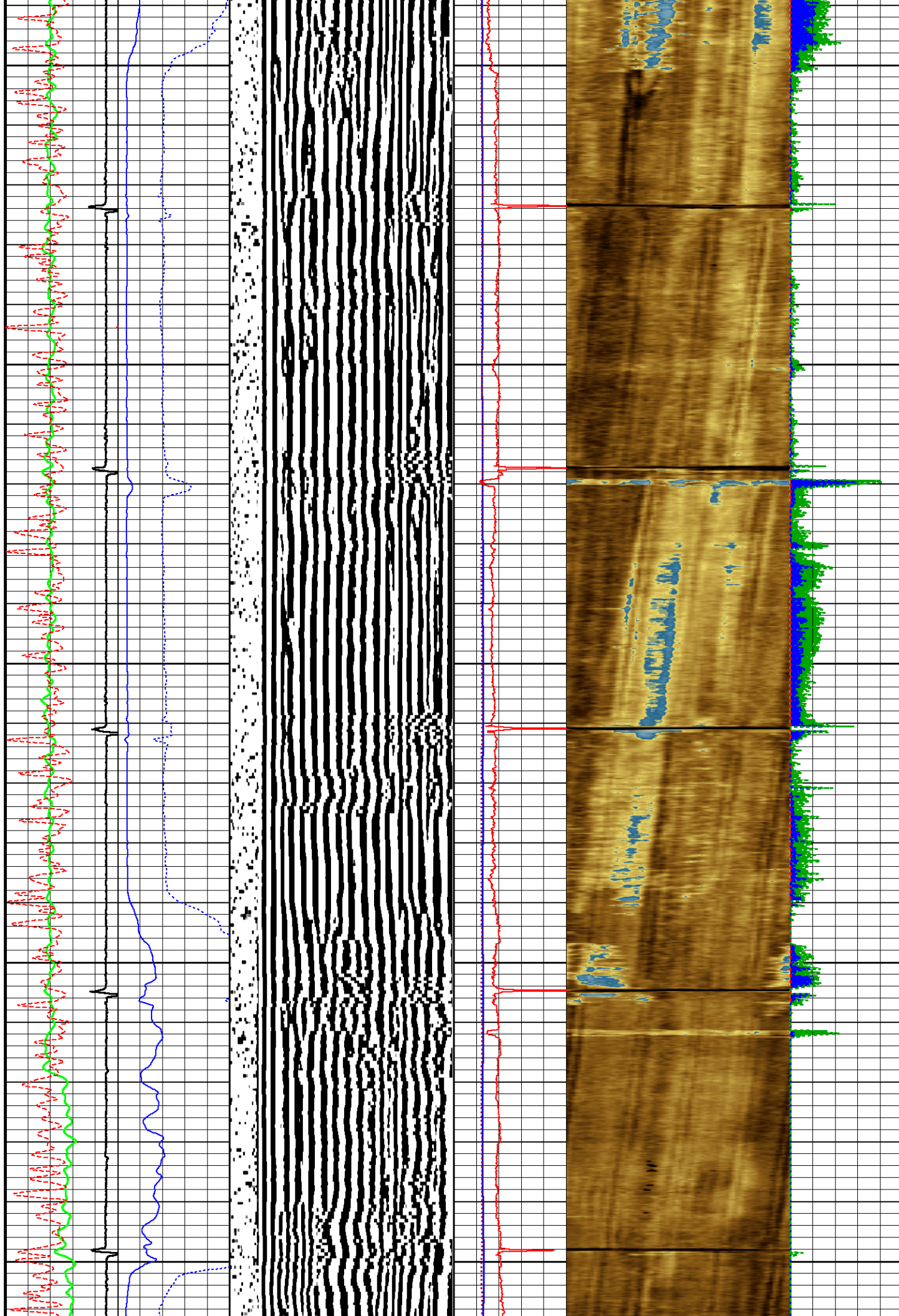
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1450

1500

1550

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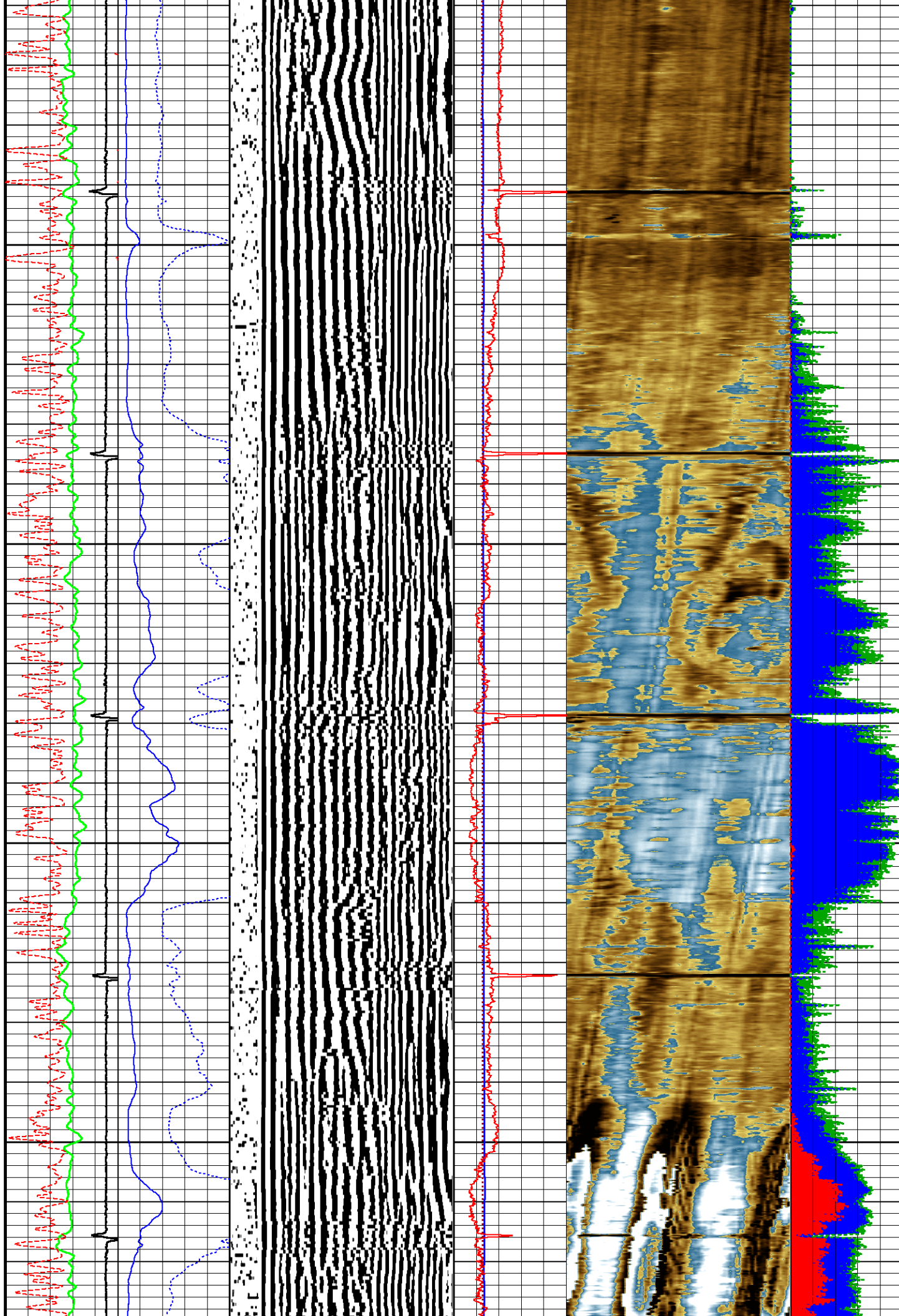


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1750

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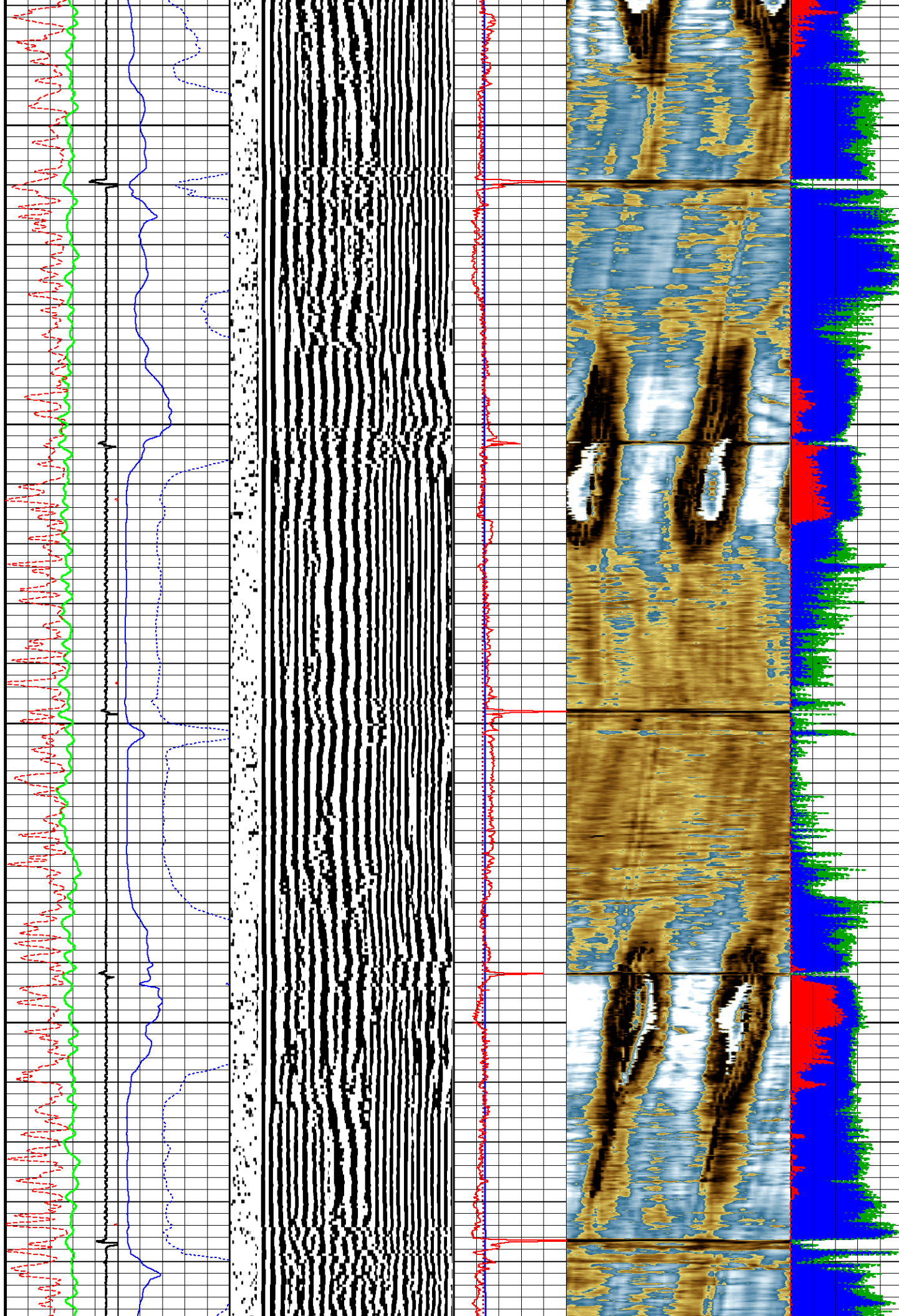


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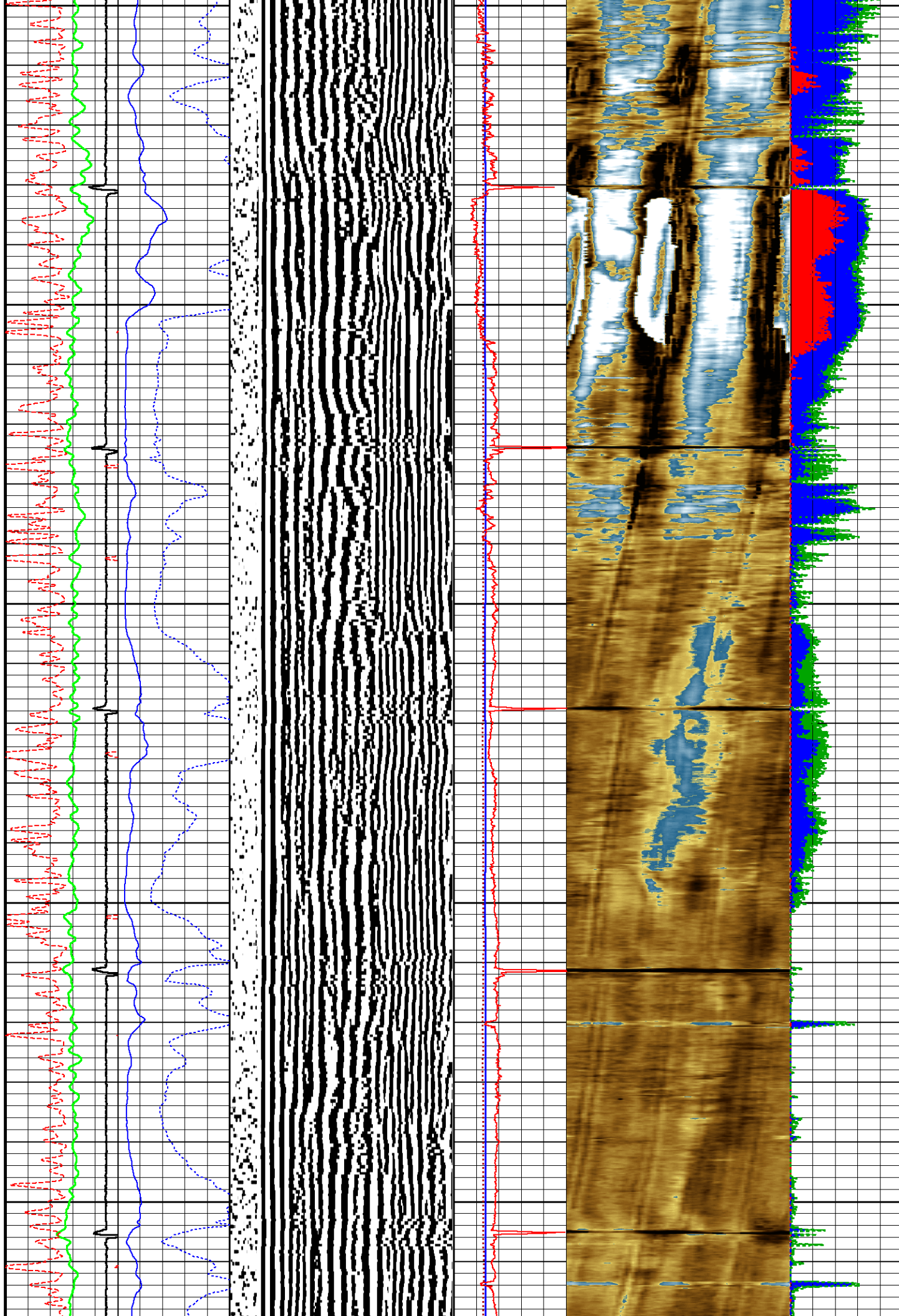
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2150

2200

2250

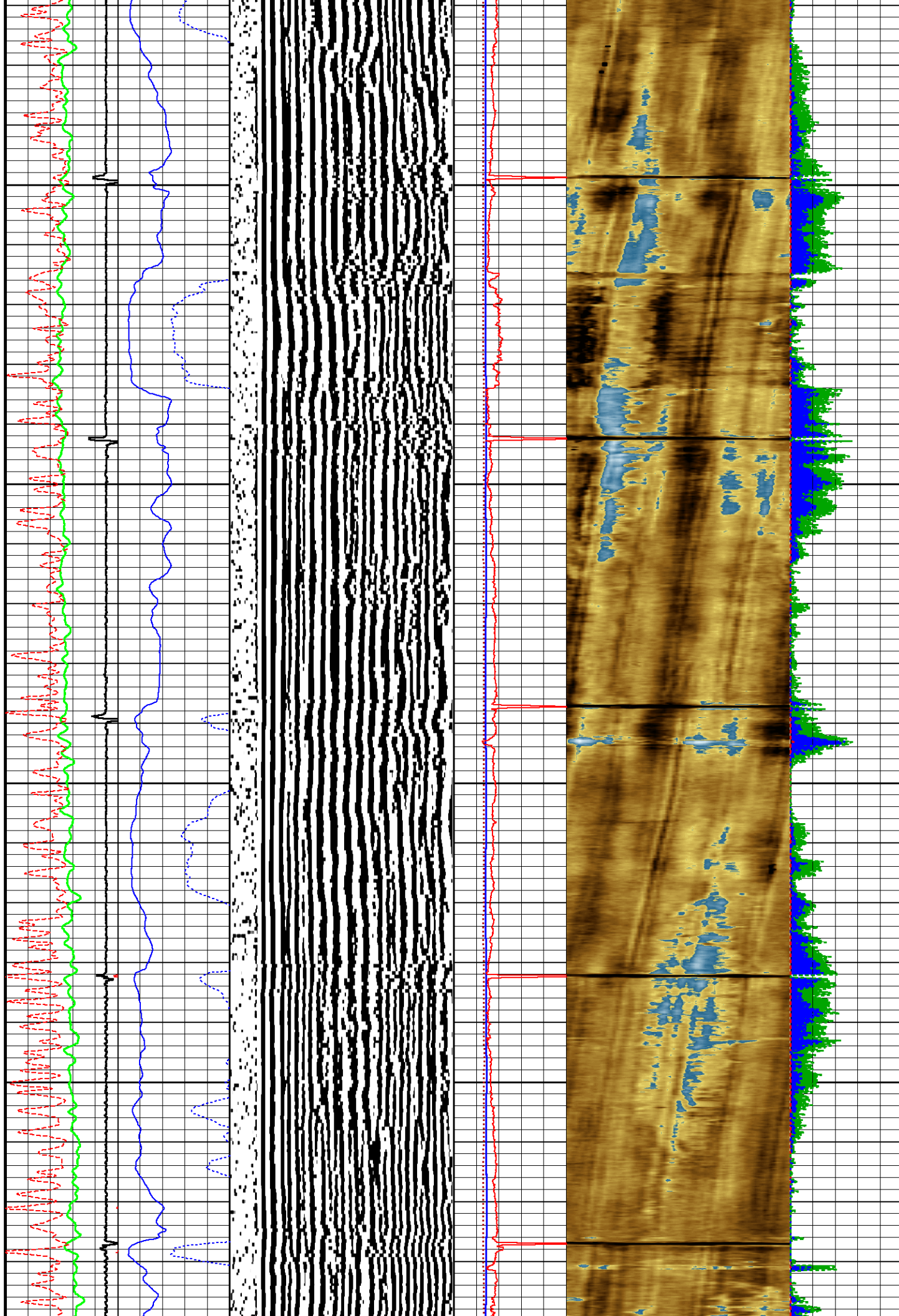


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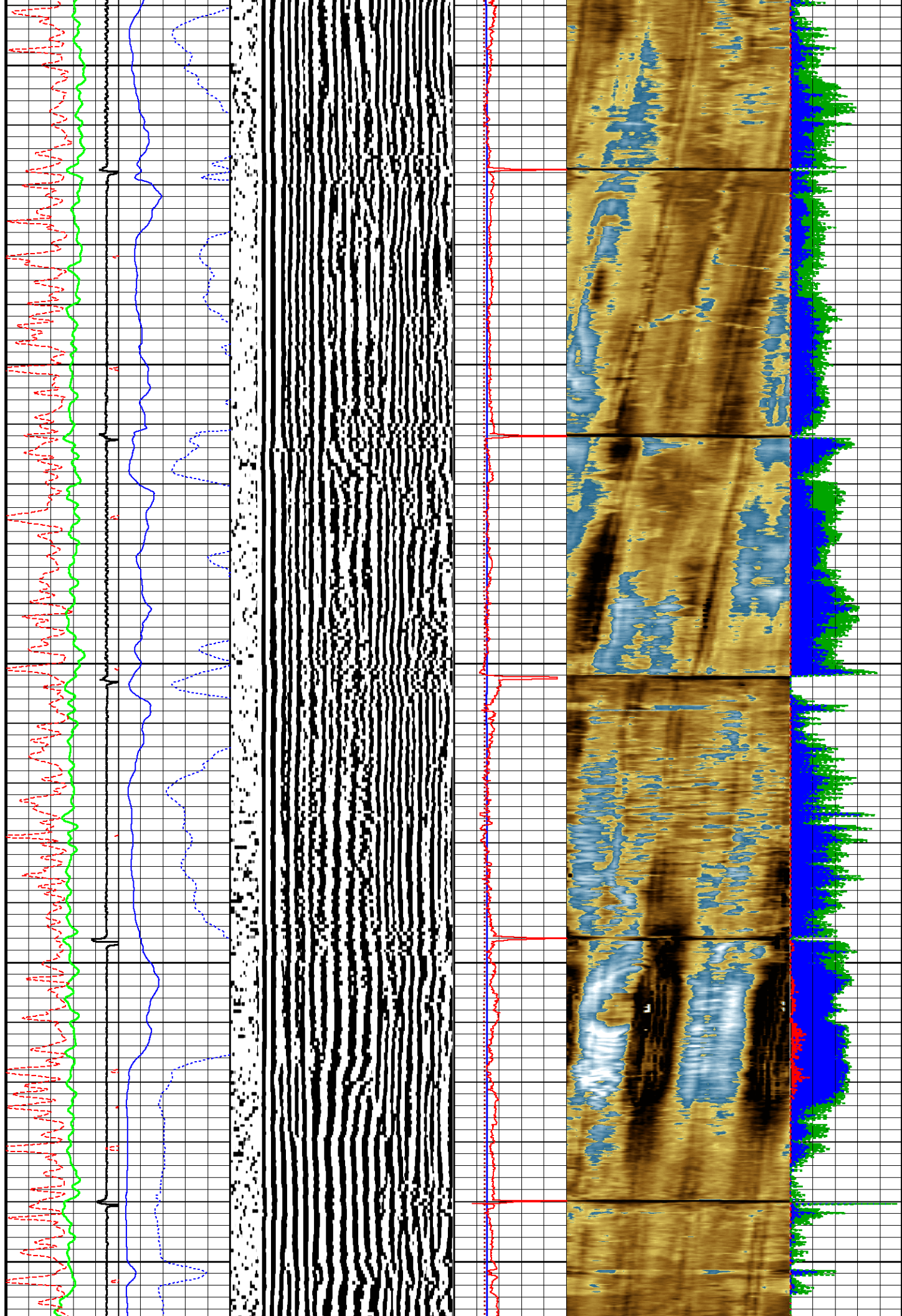
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2650

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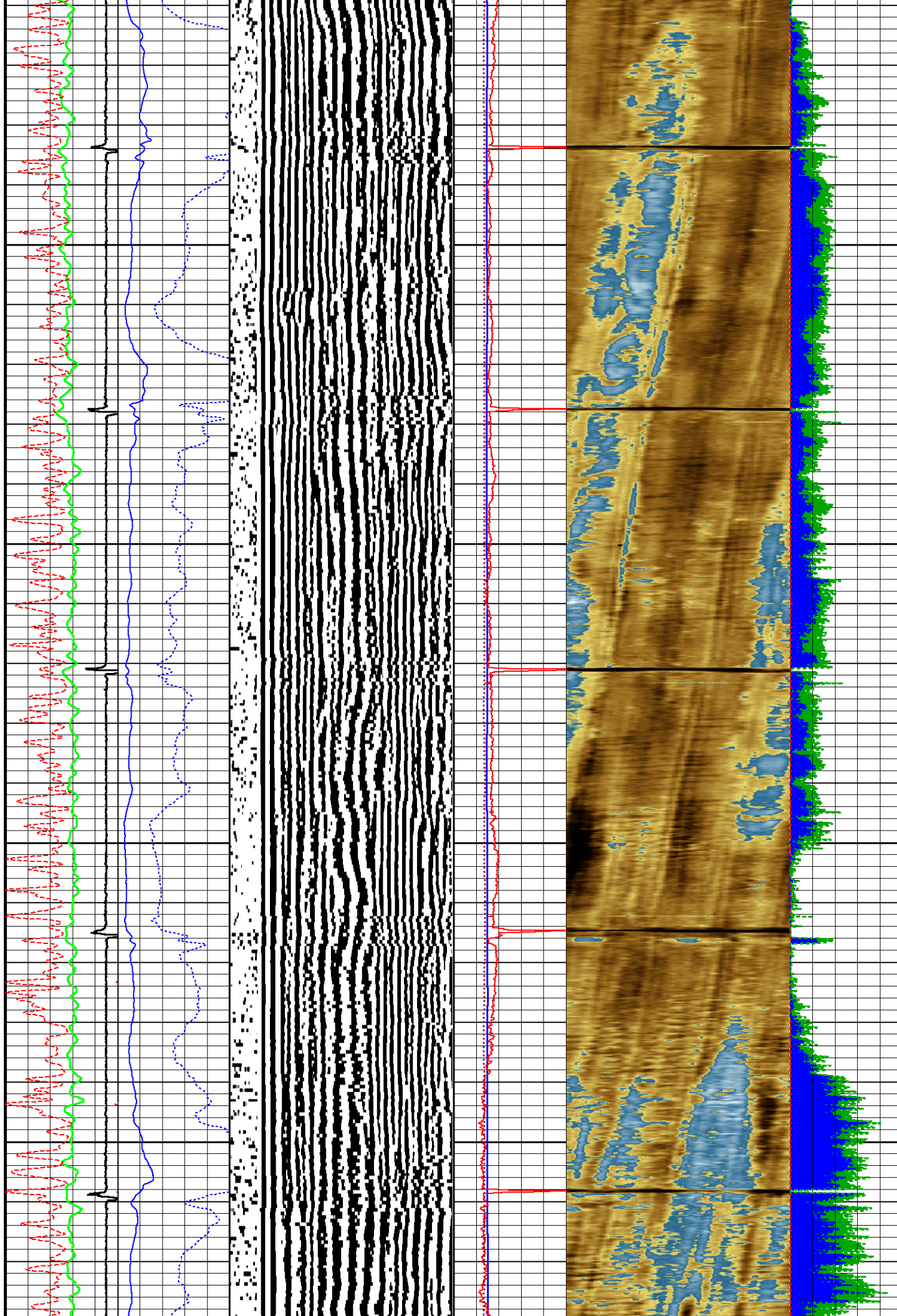


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2850

2900

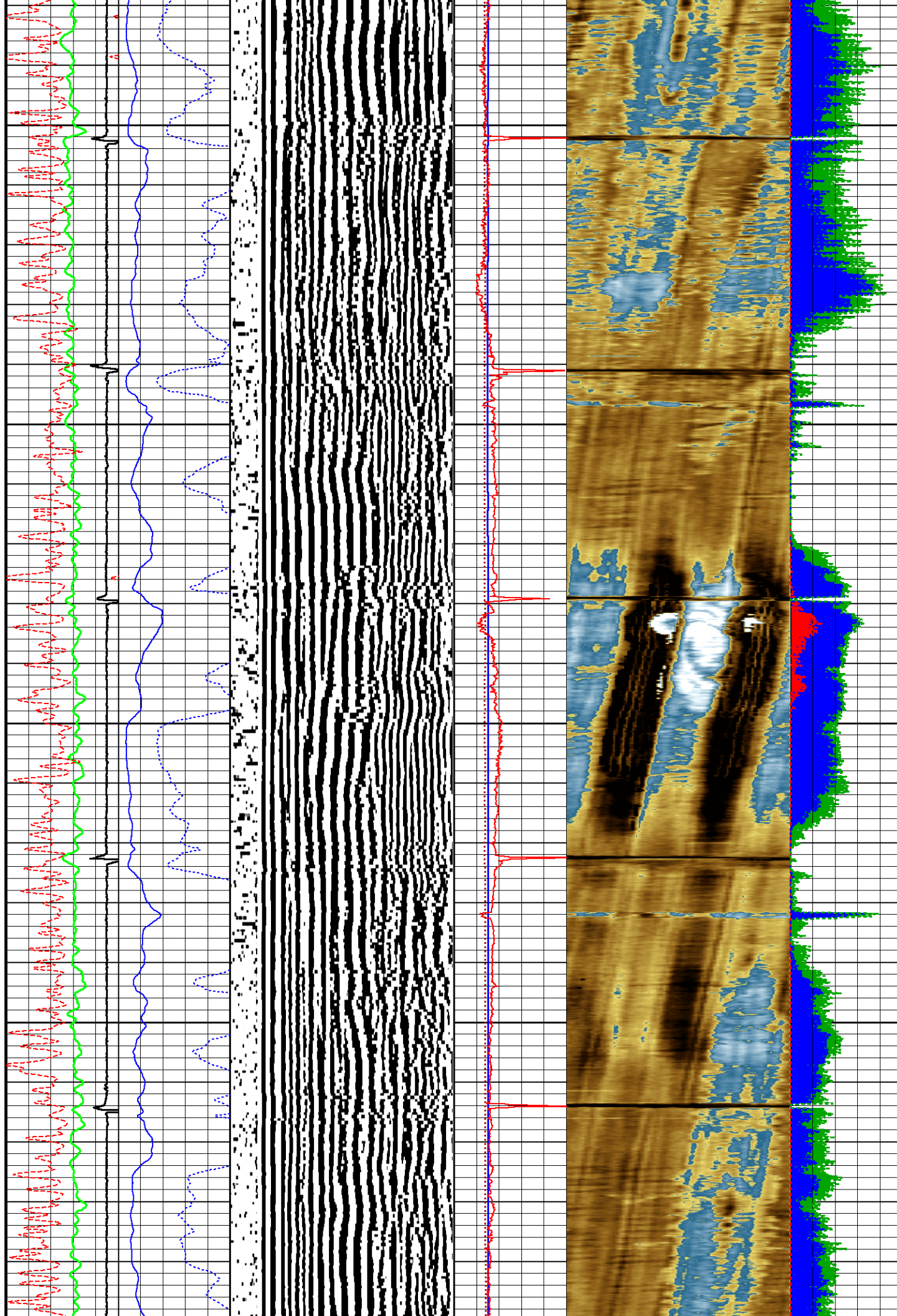


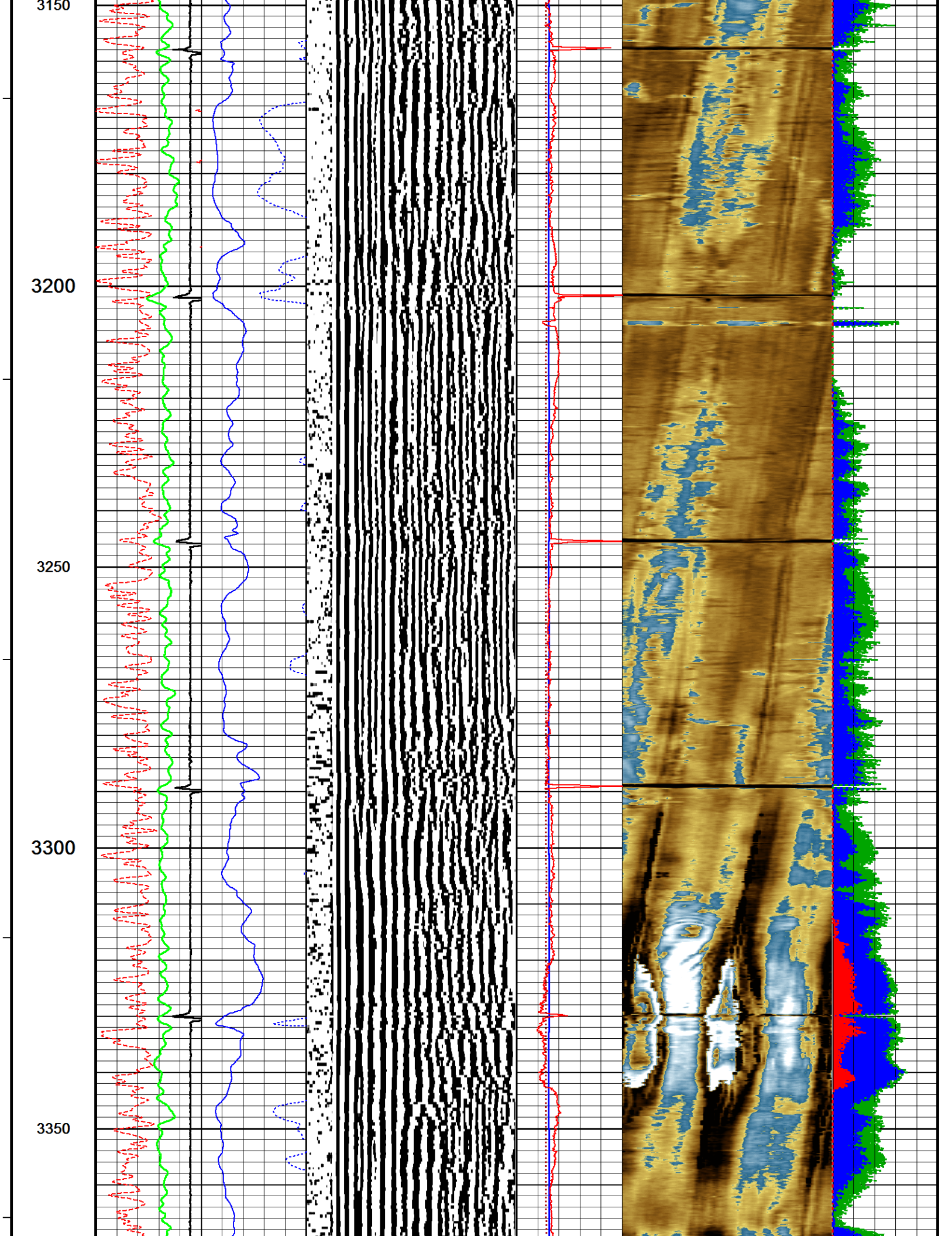
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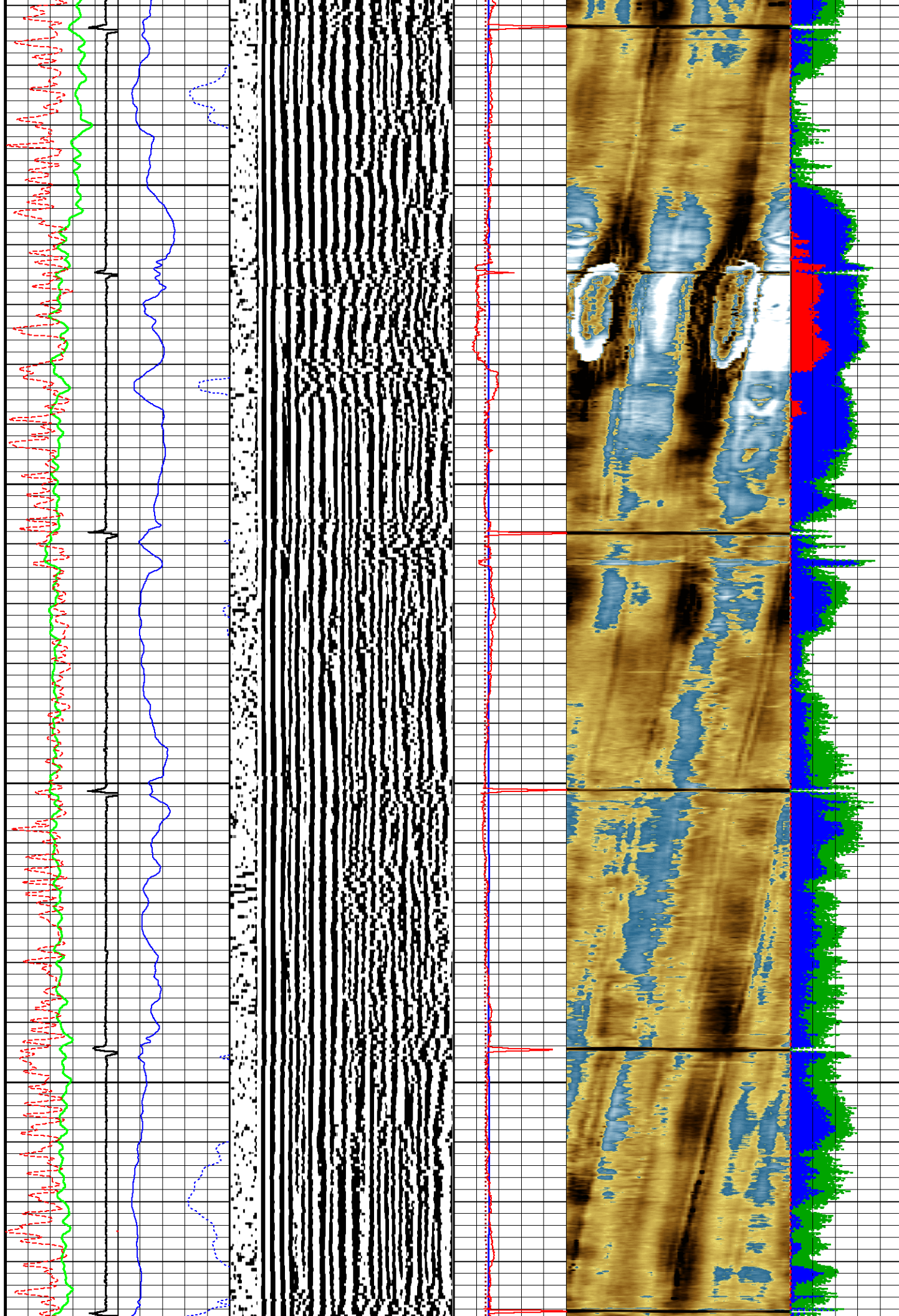


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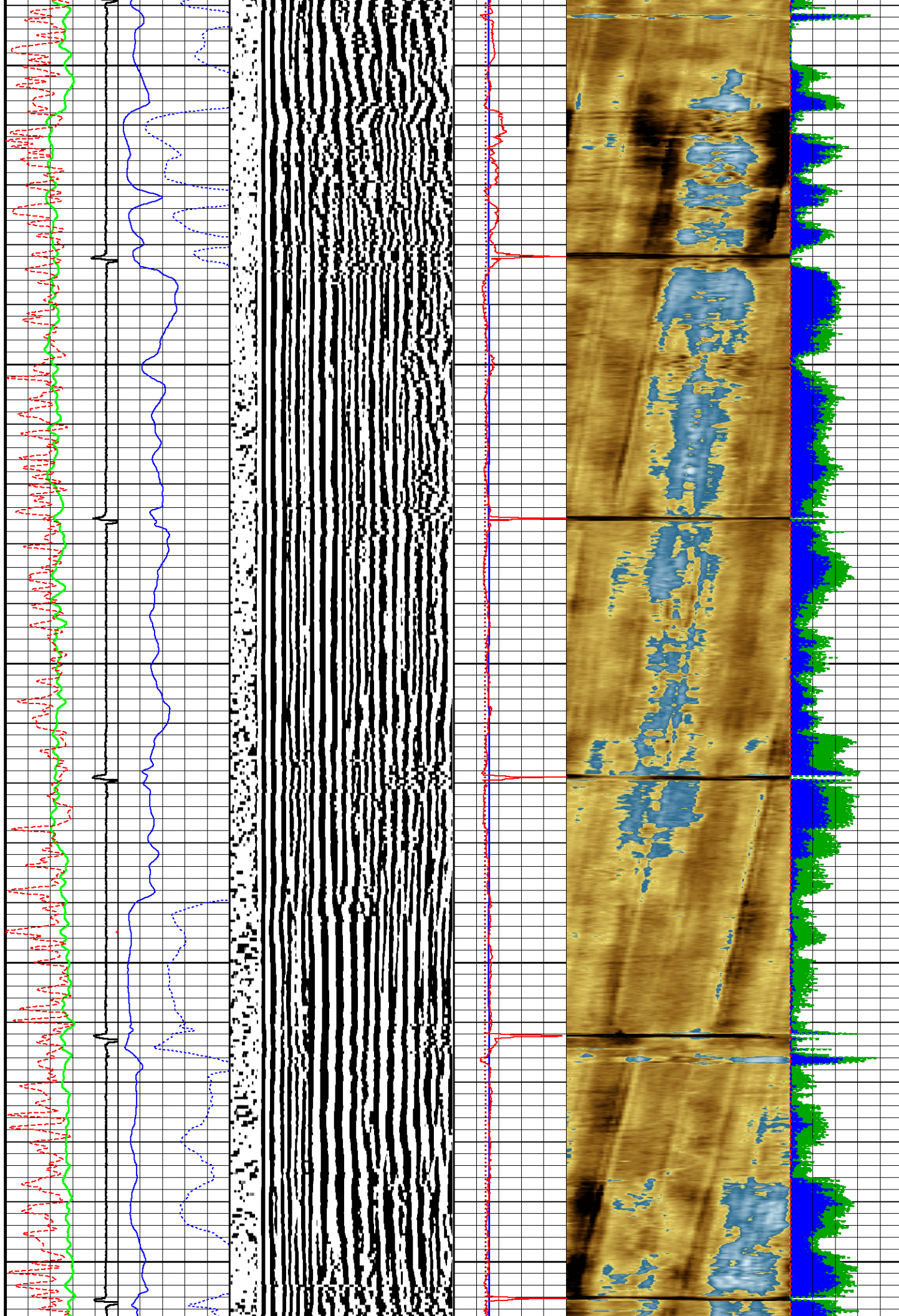
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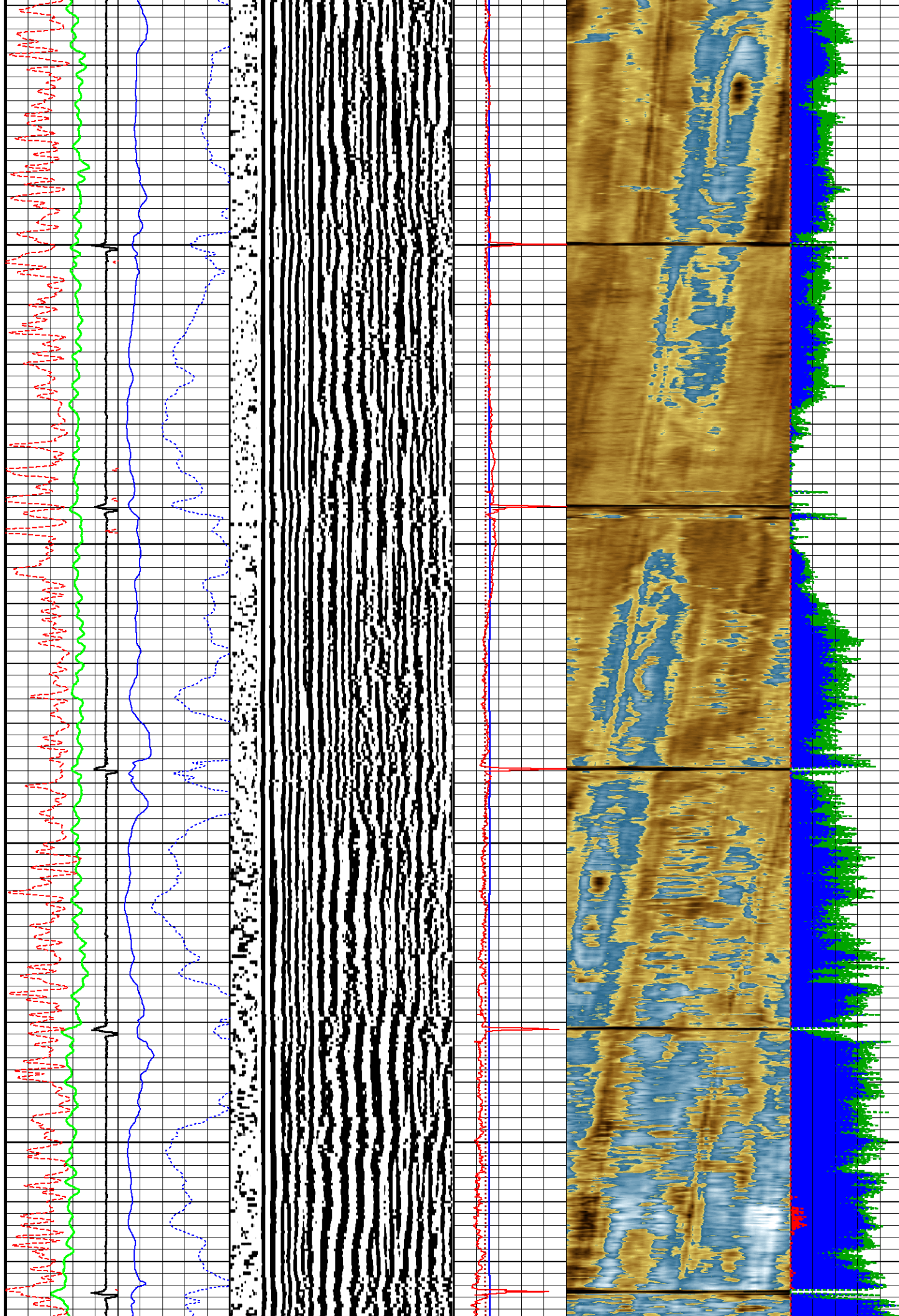


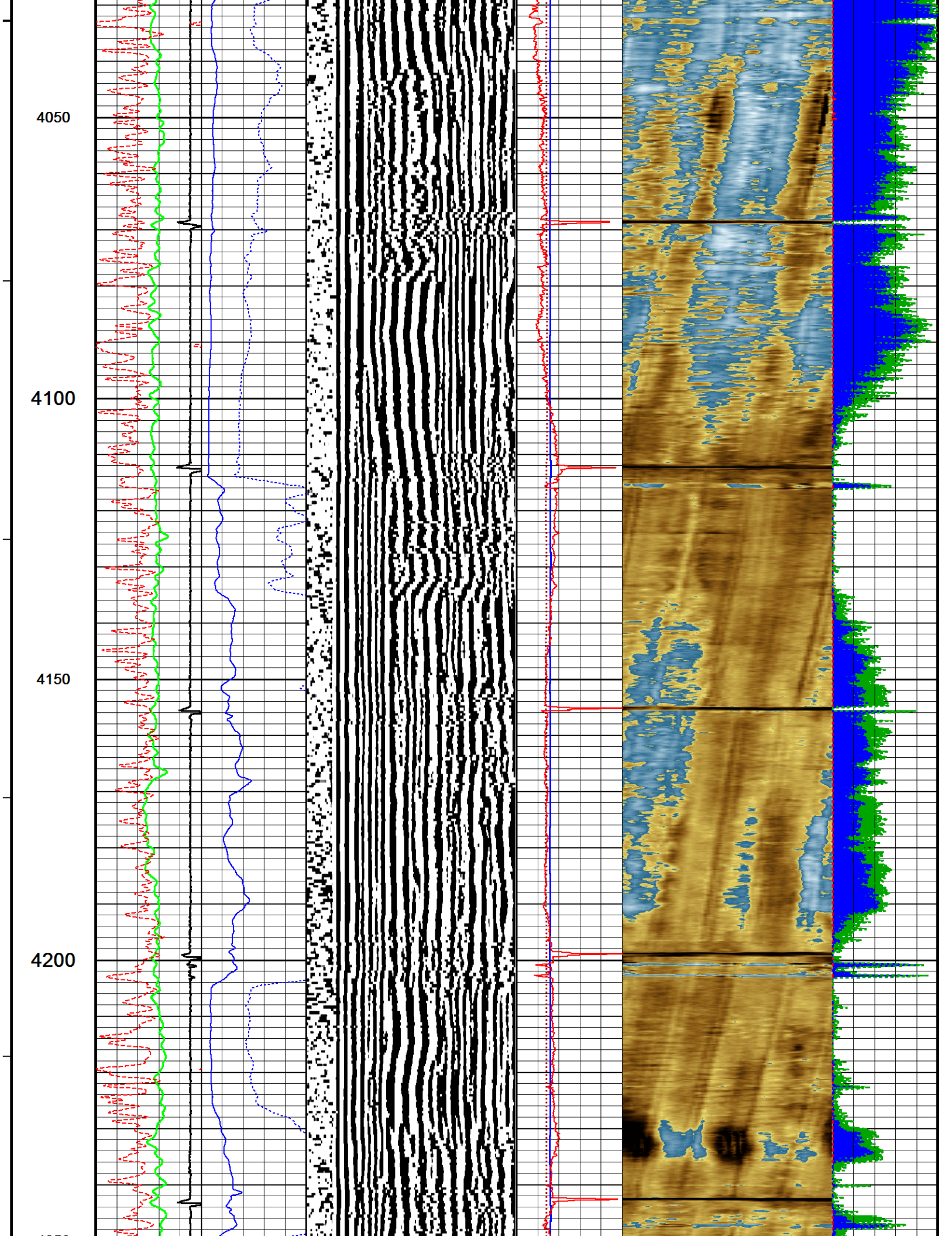
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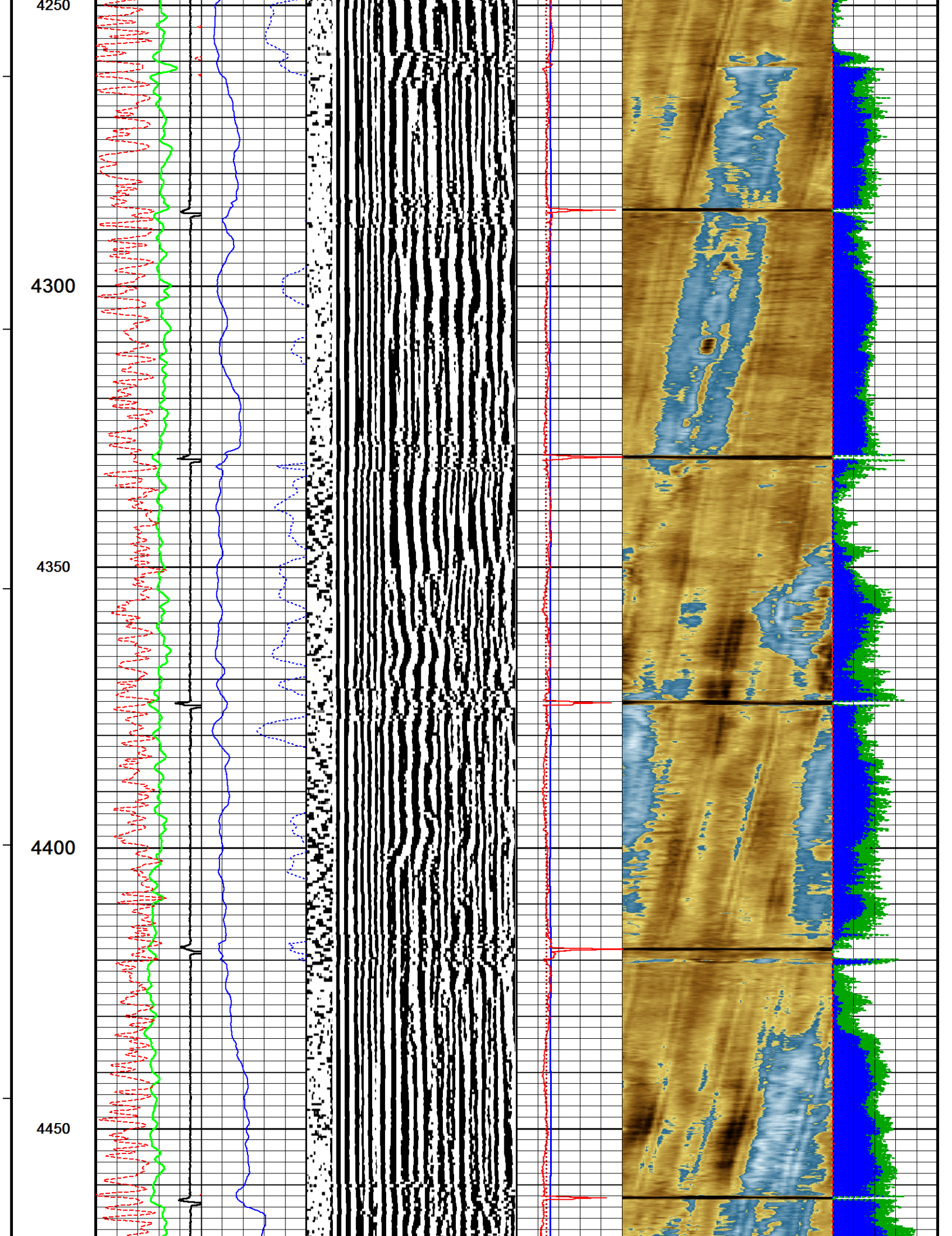
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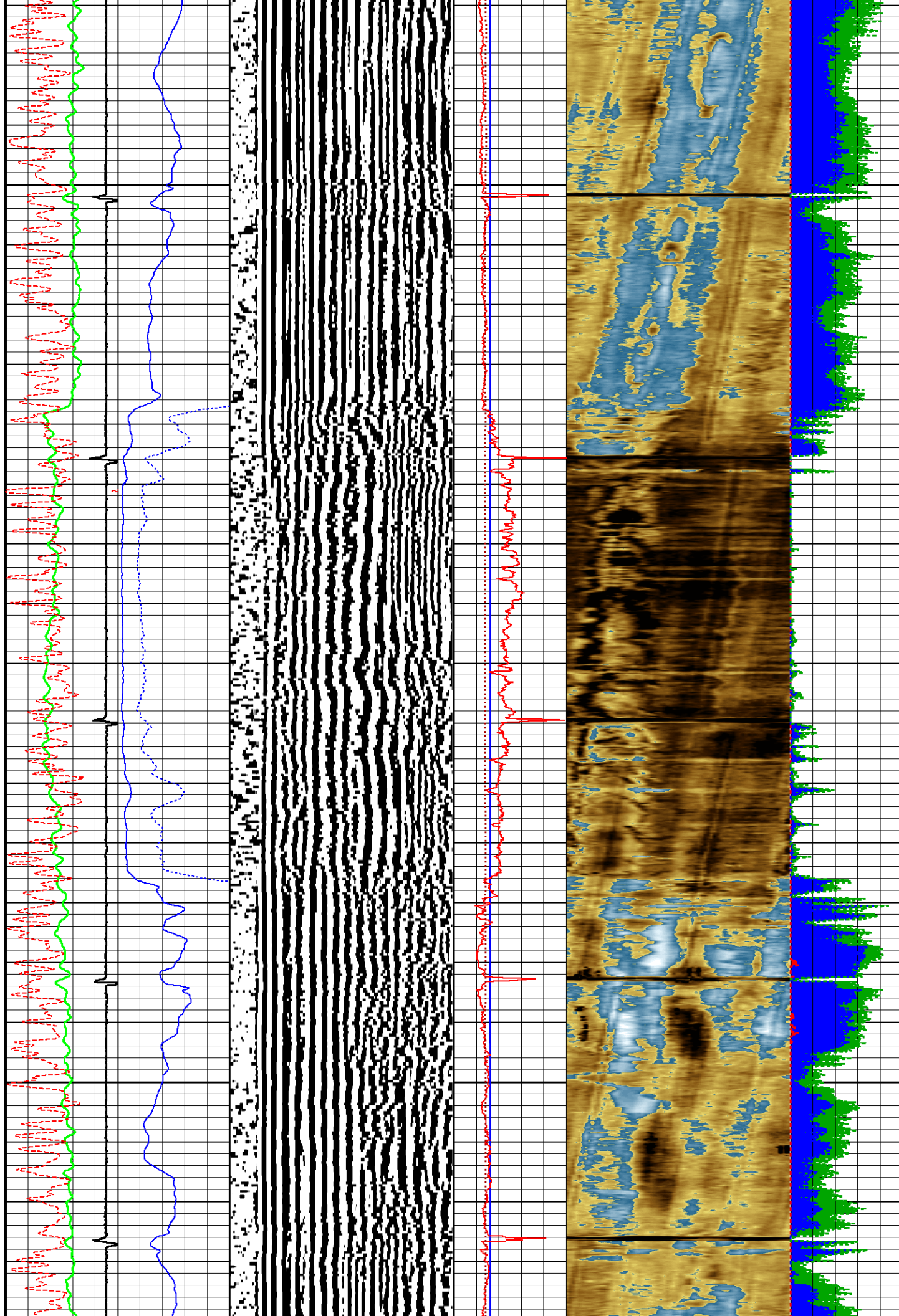


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4650



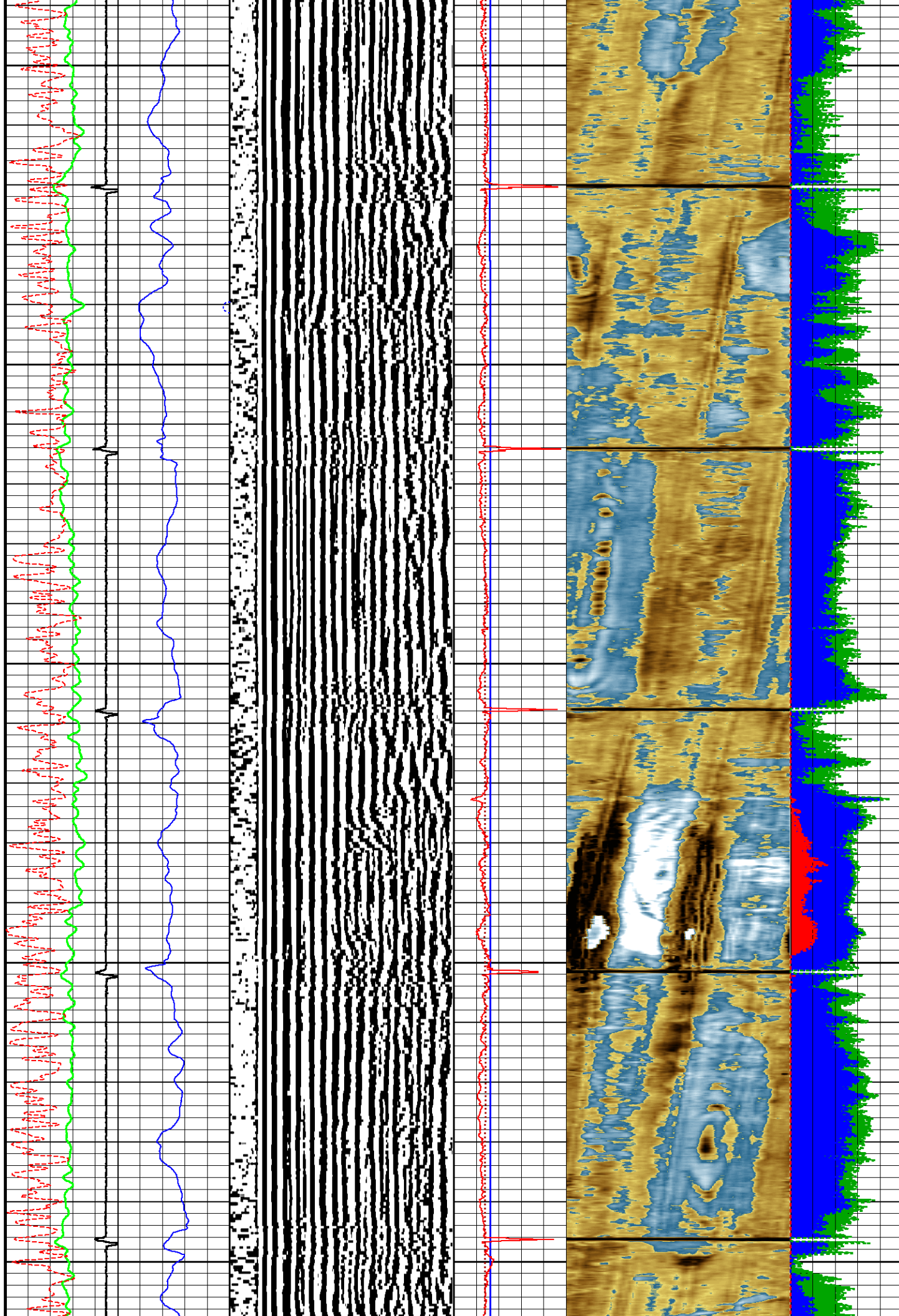
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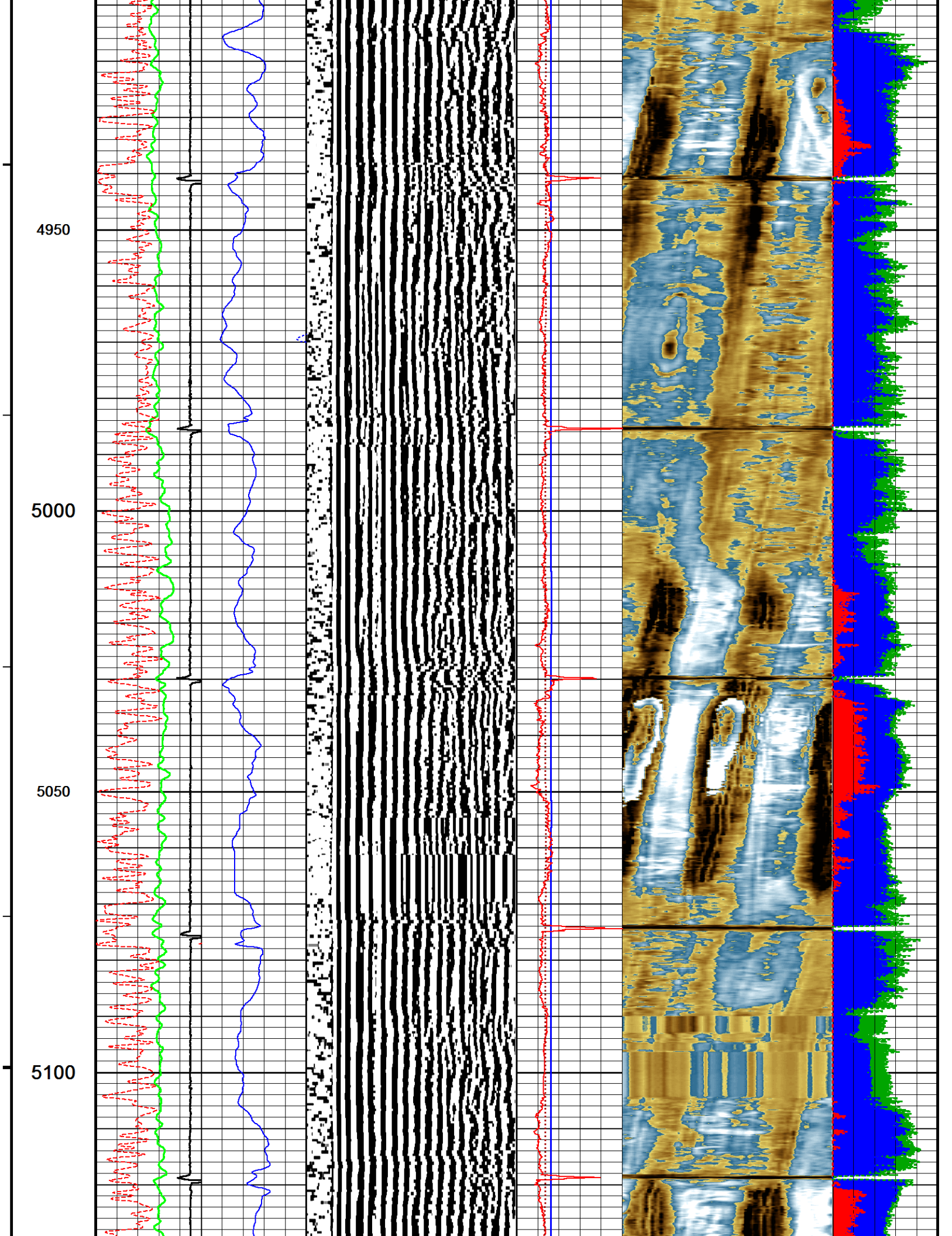
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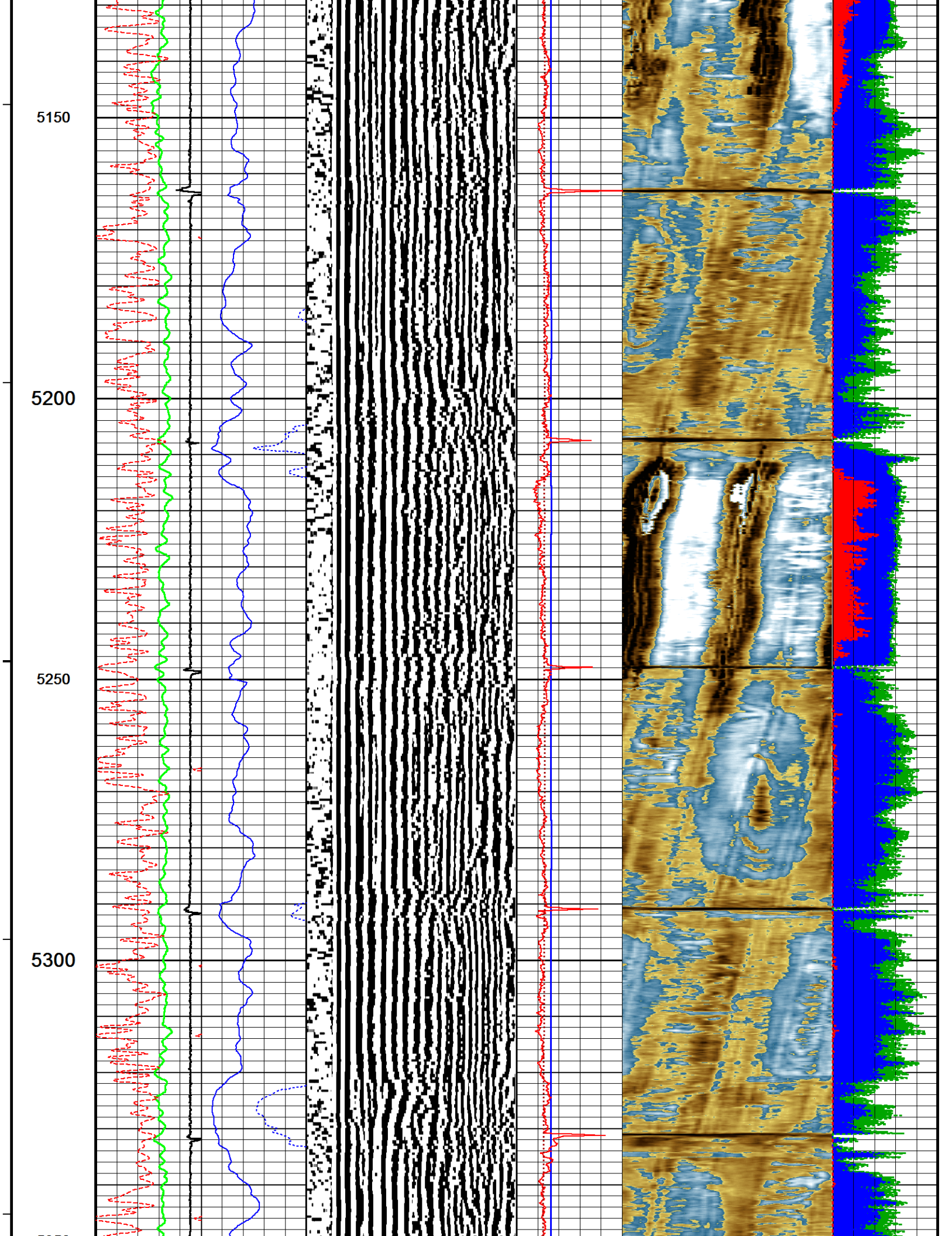
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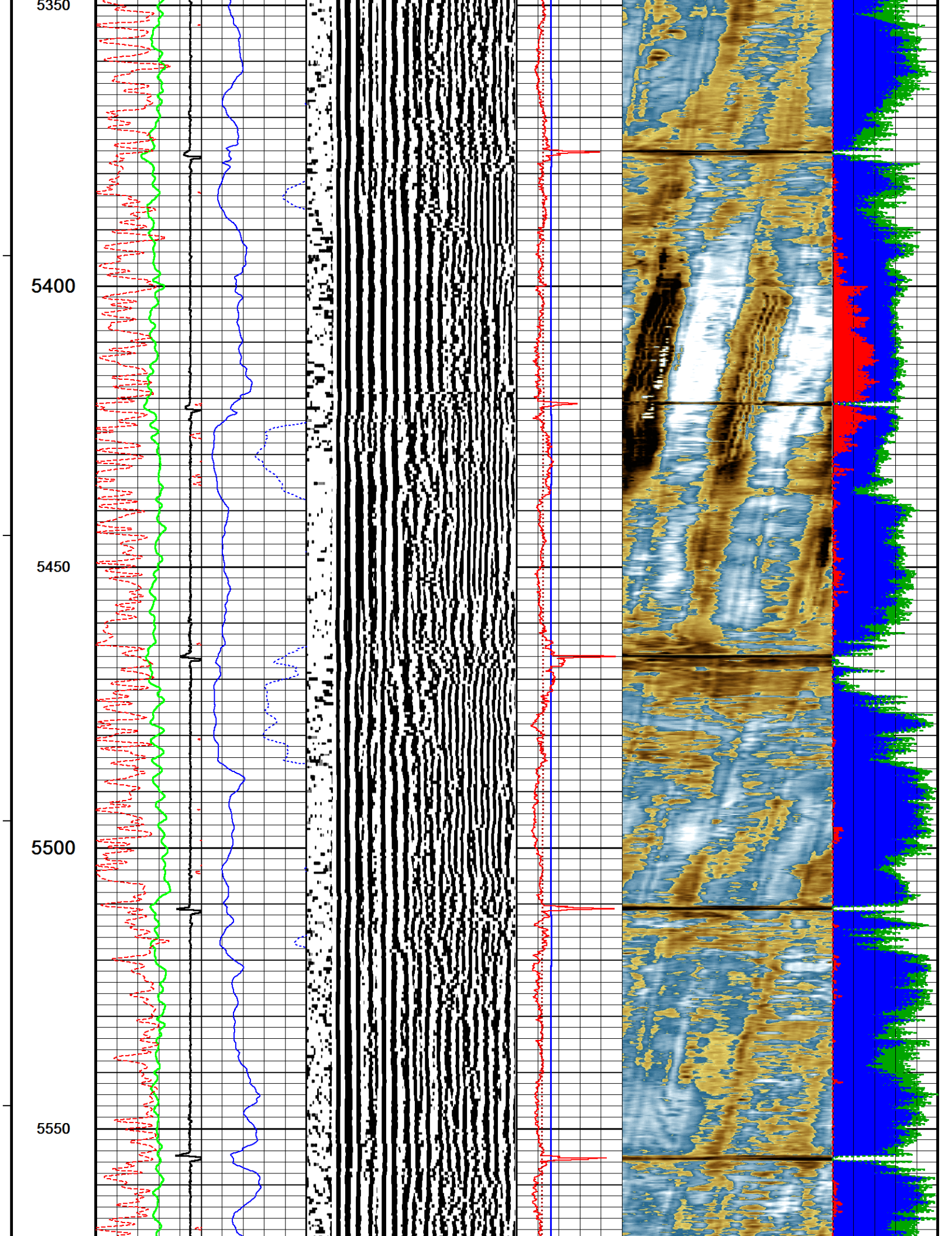
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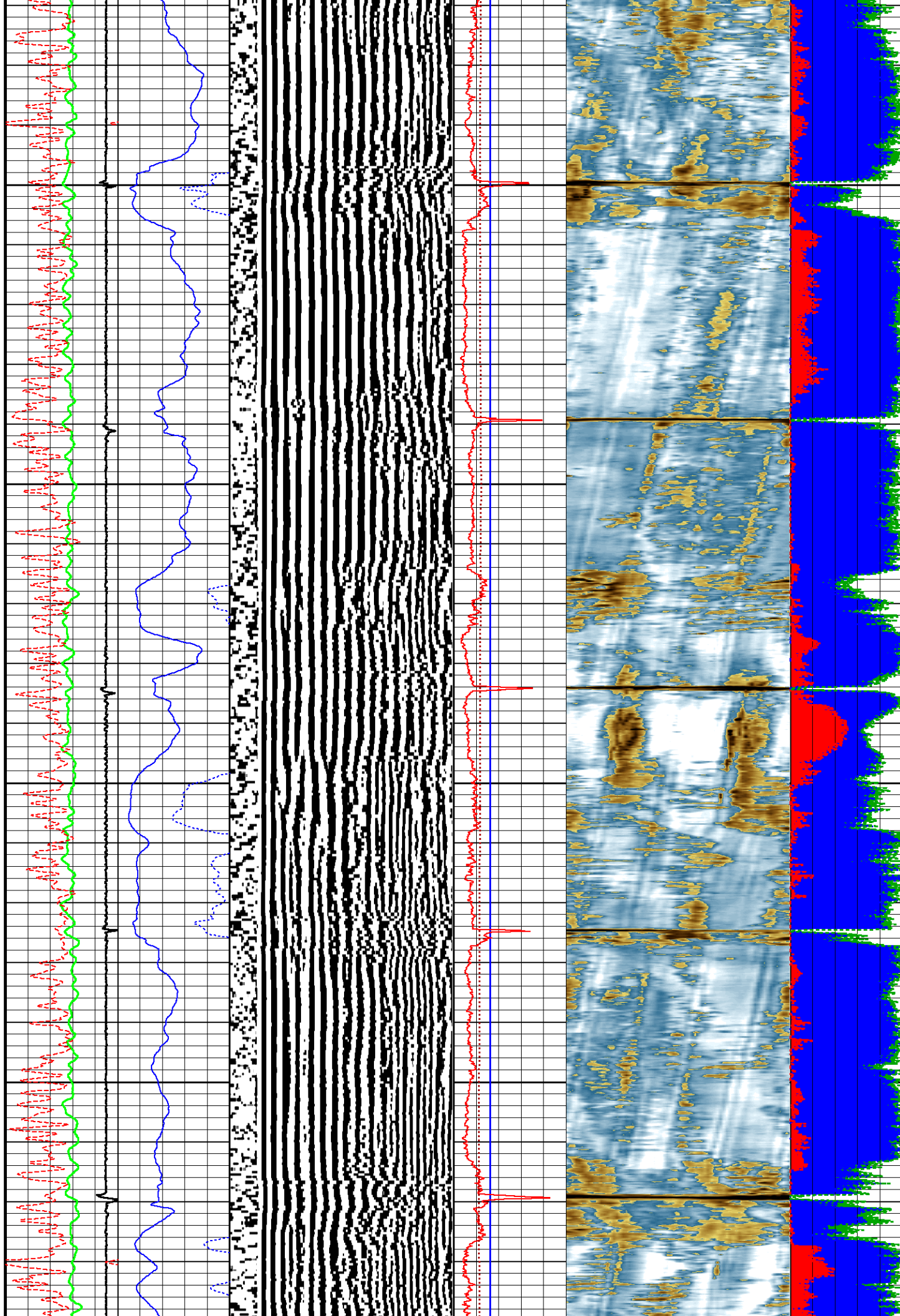


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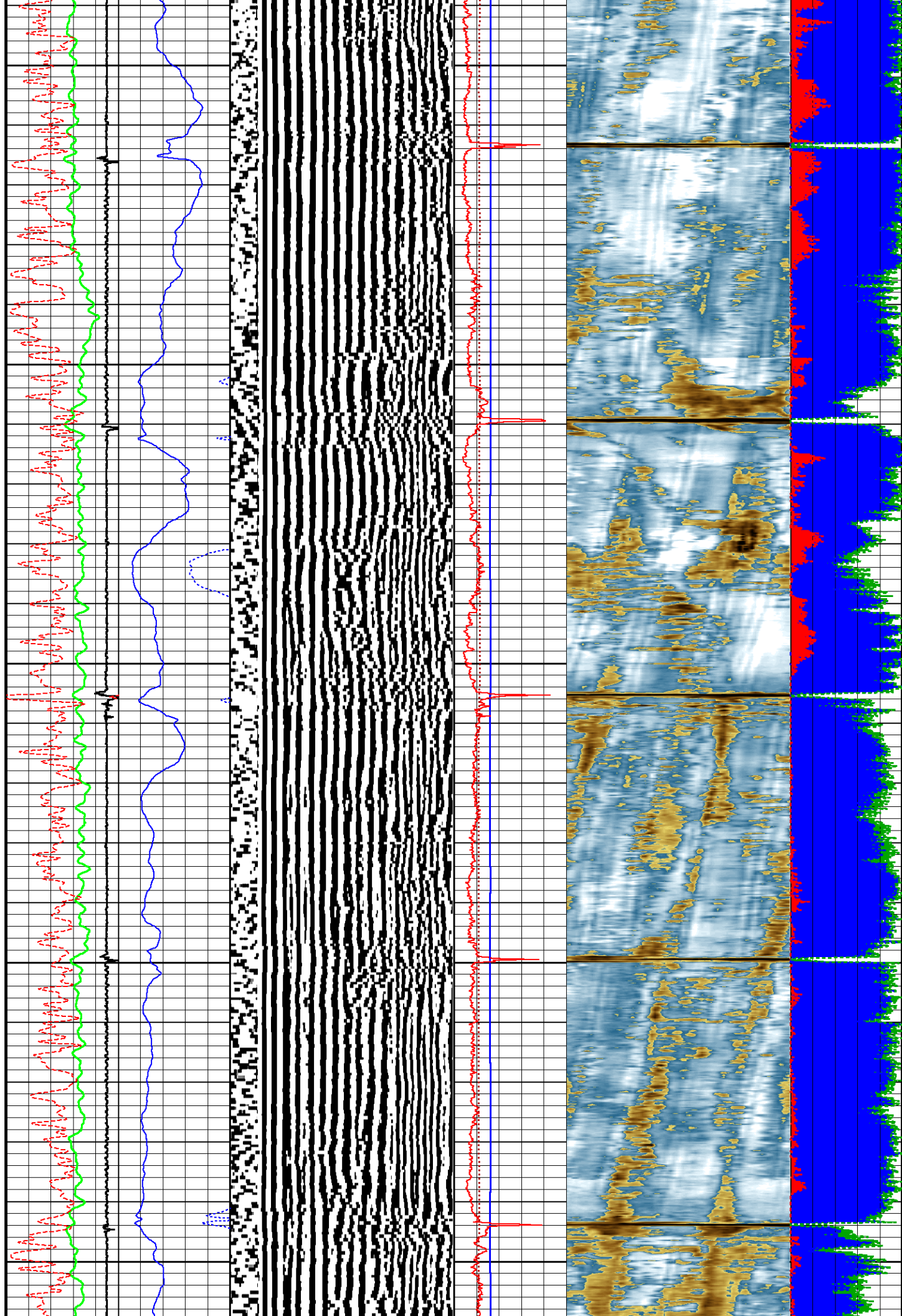
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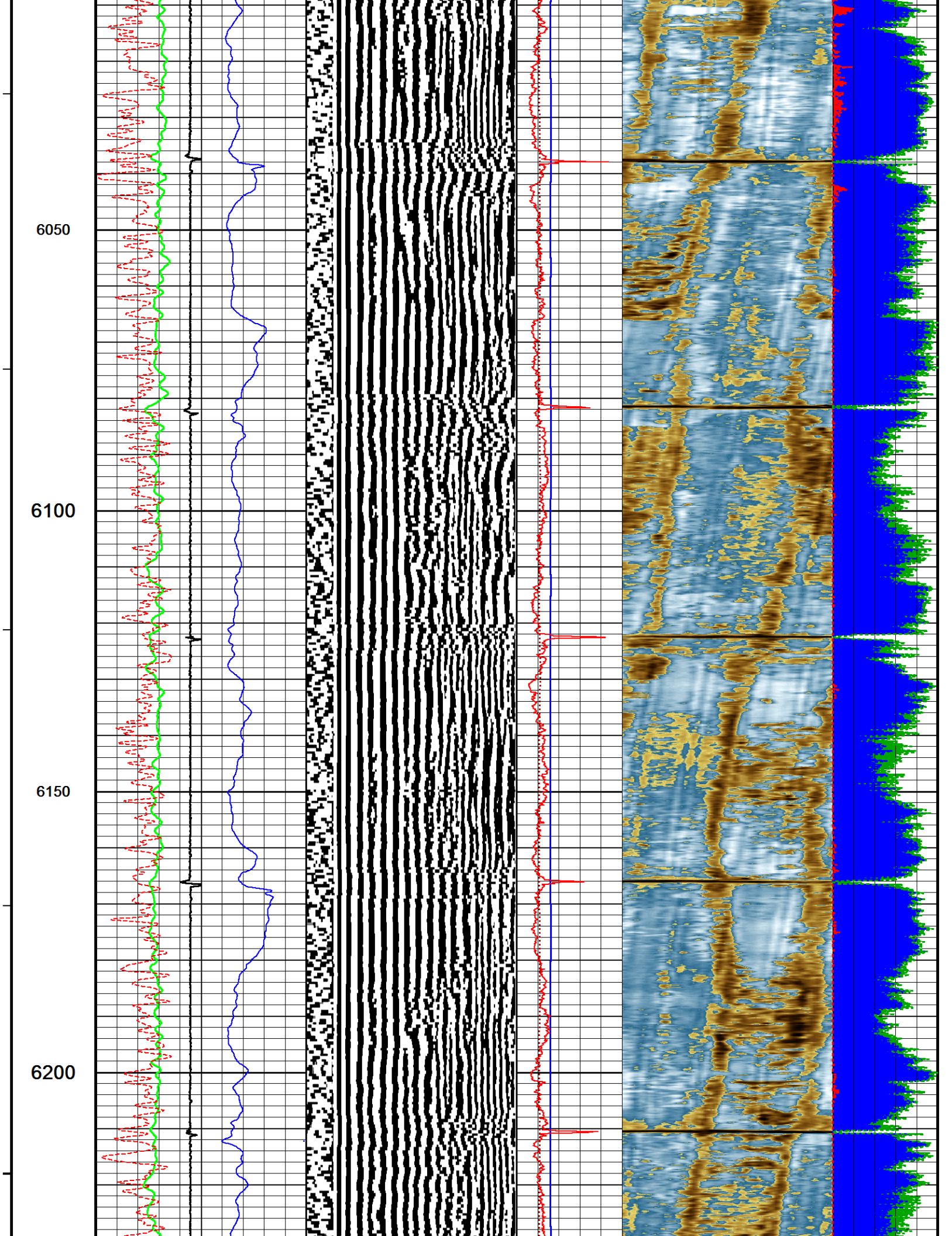
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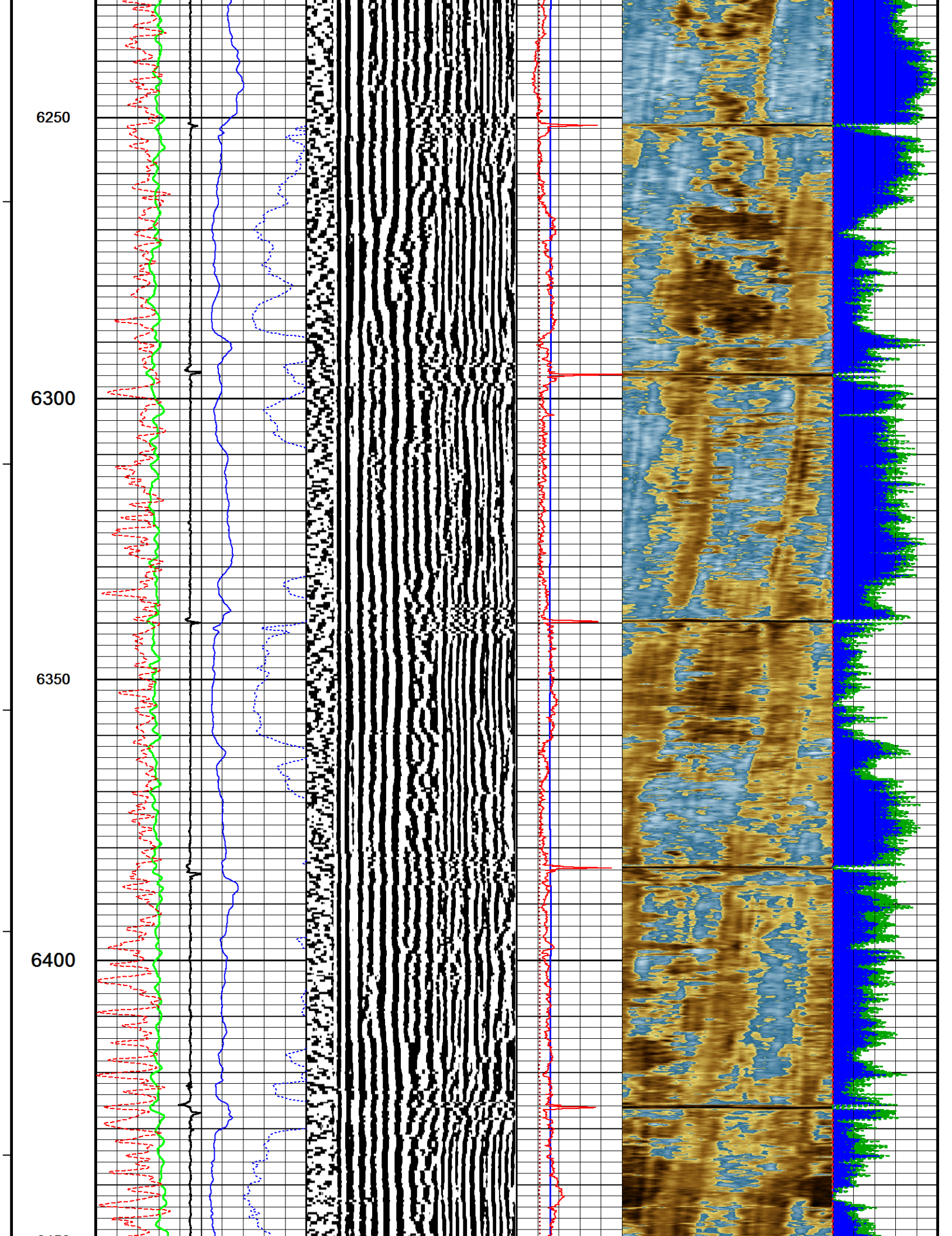
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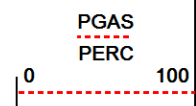
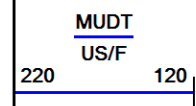
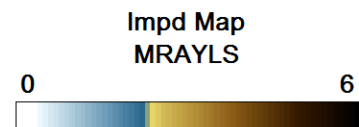
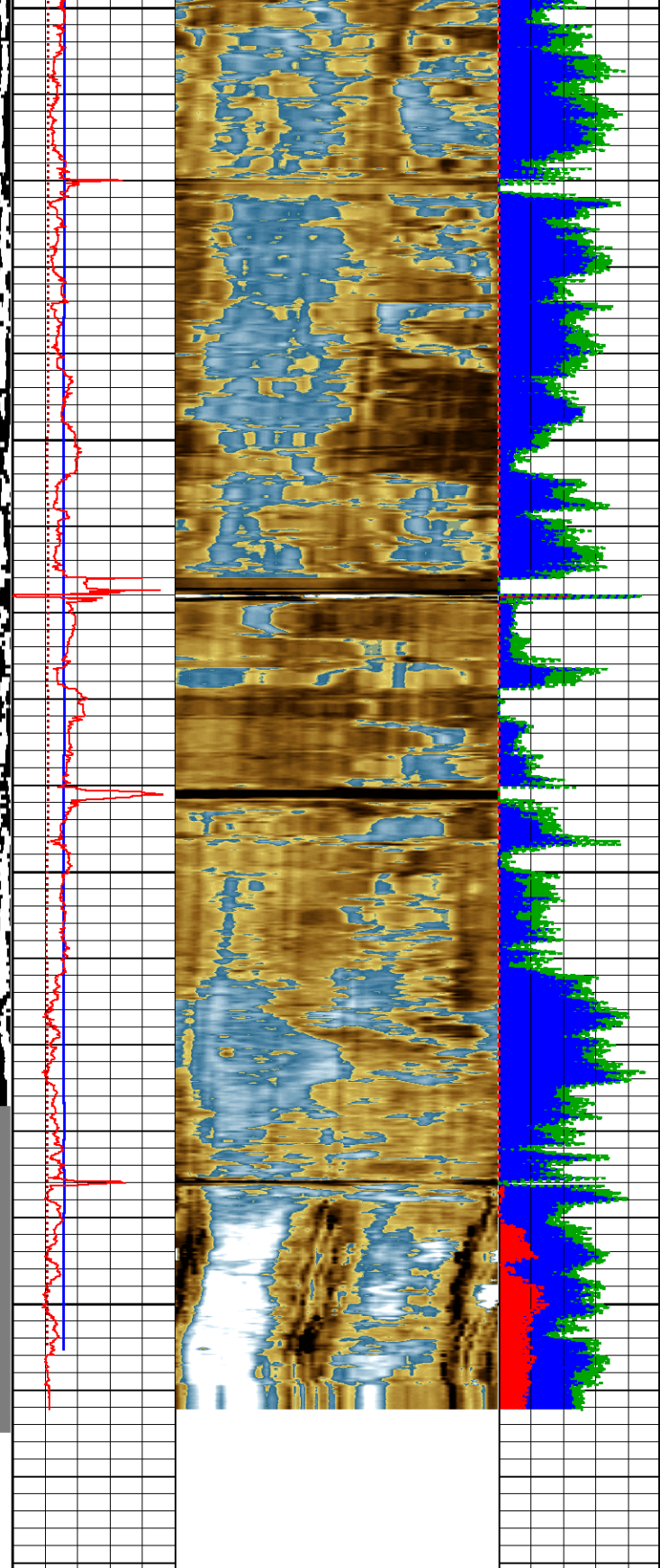
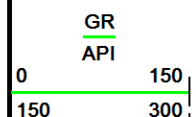
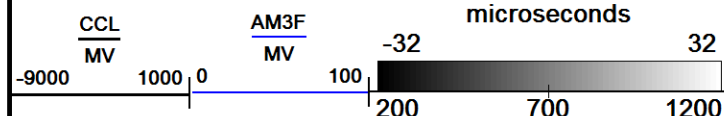
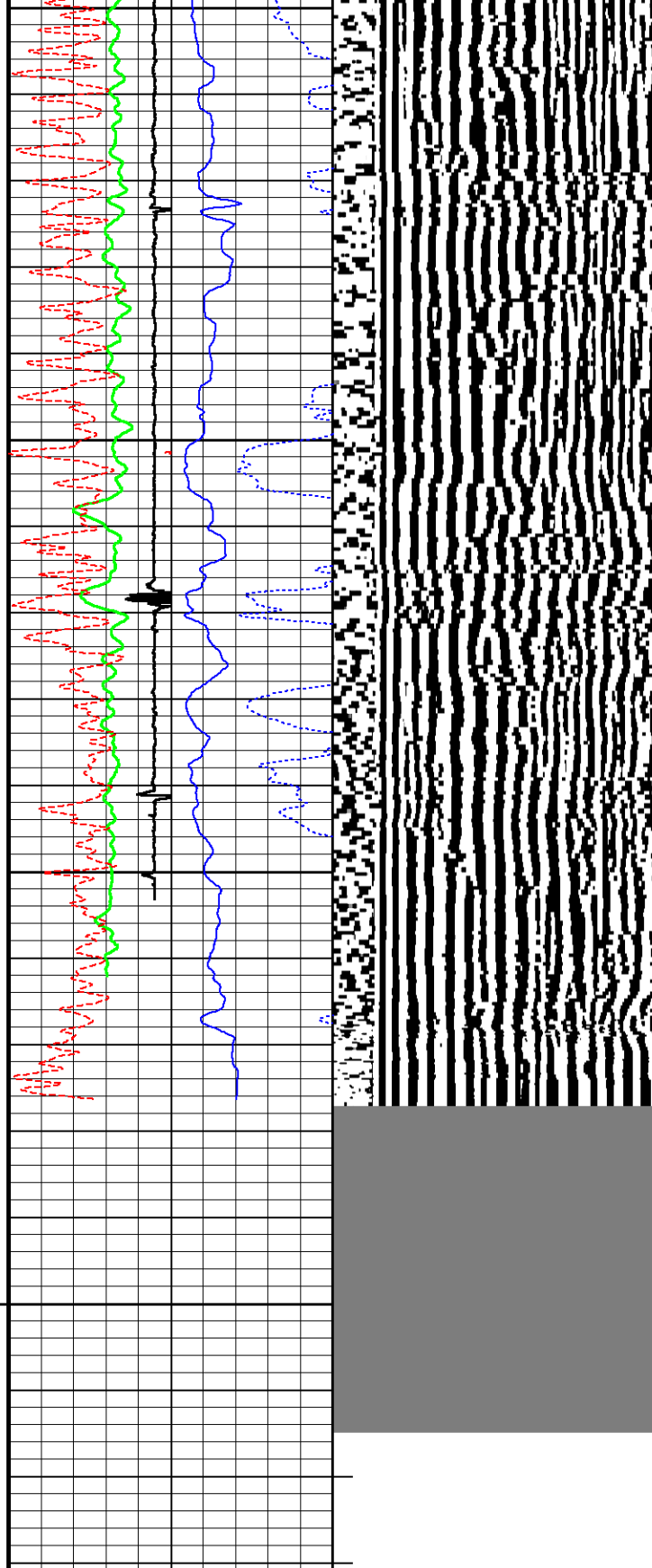
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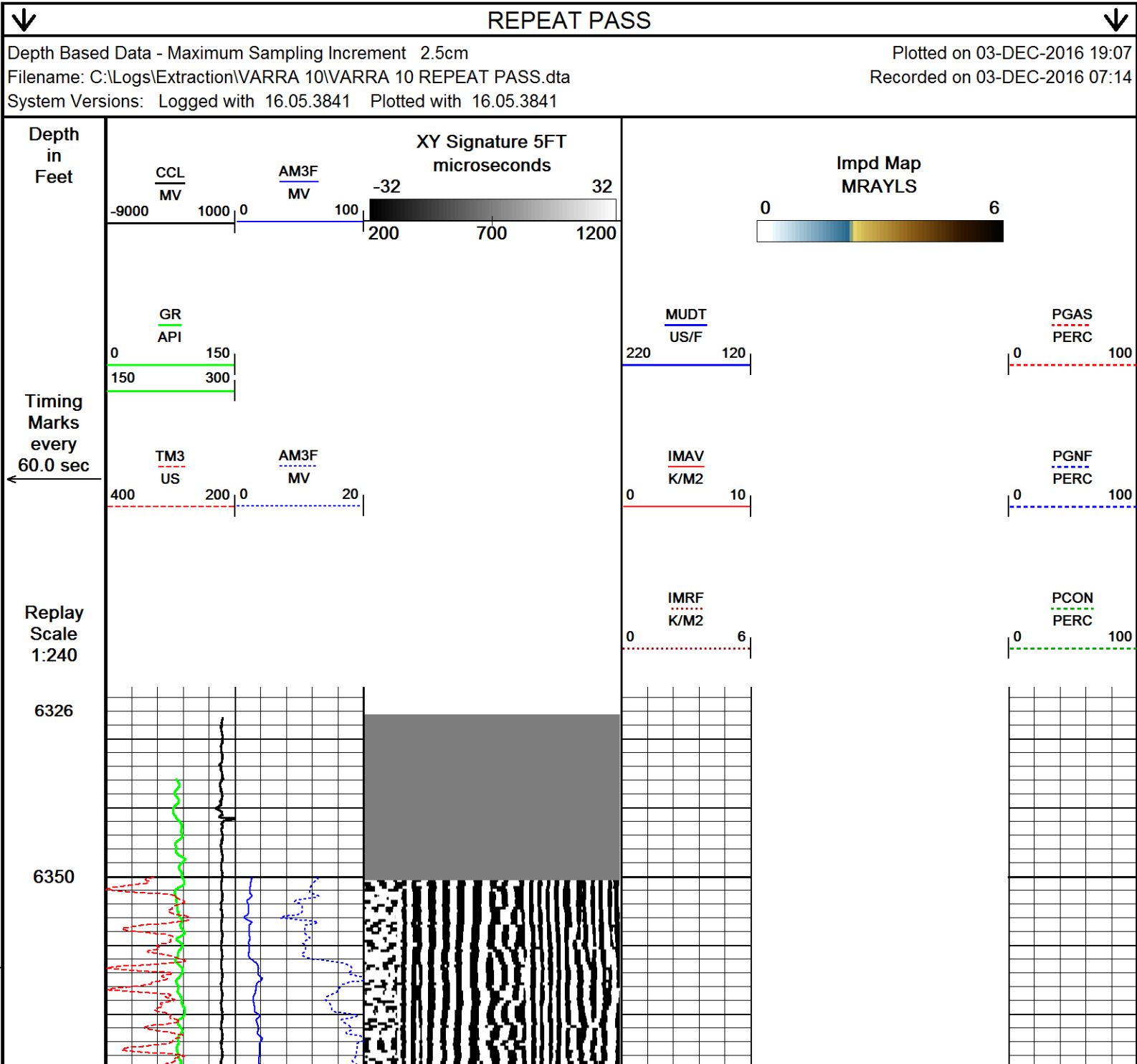
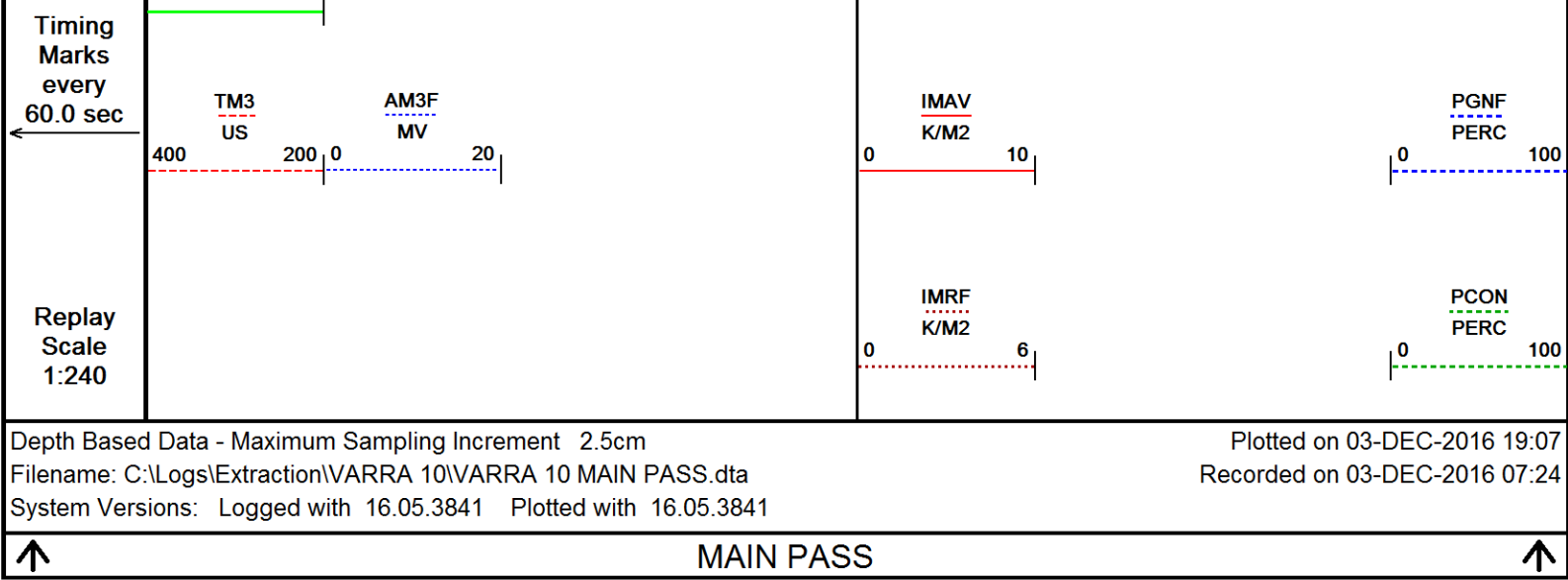
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6550

6600

Depth
in
Feet



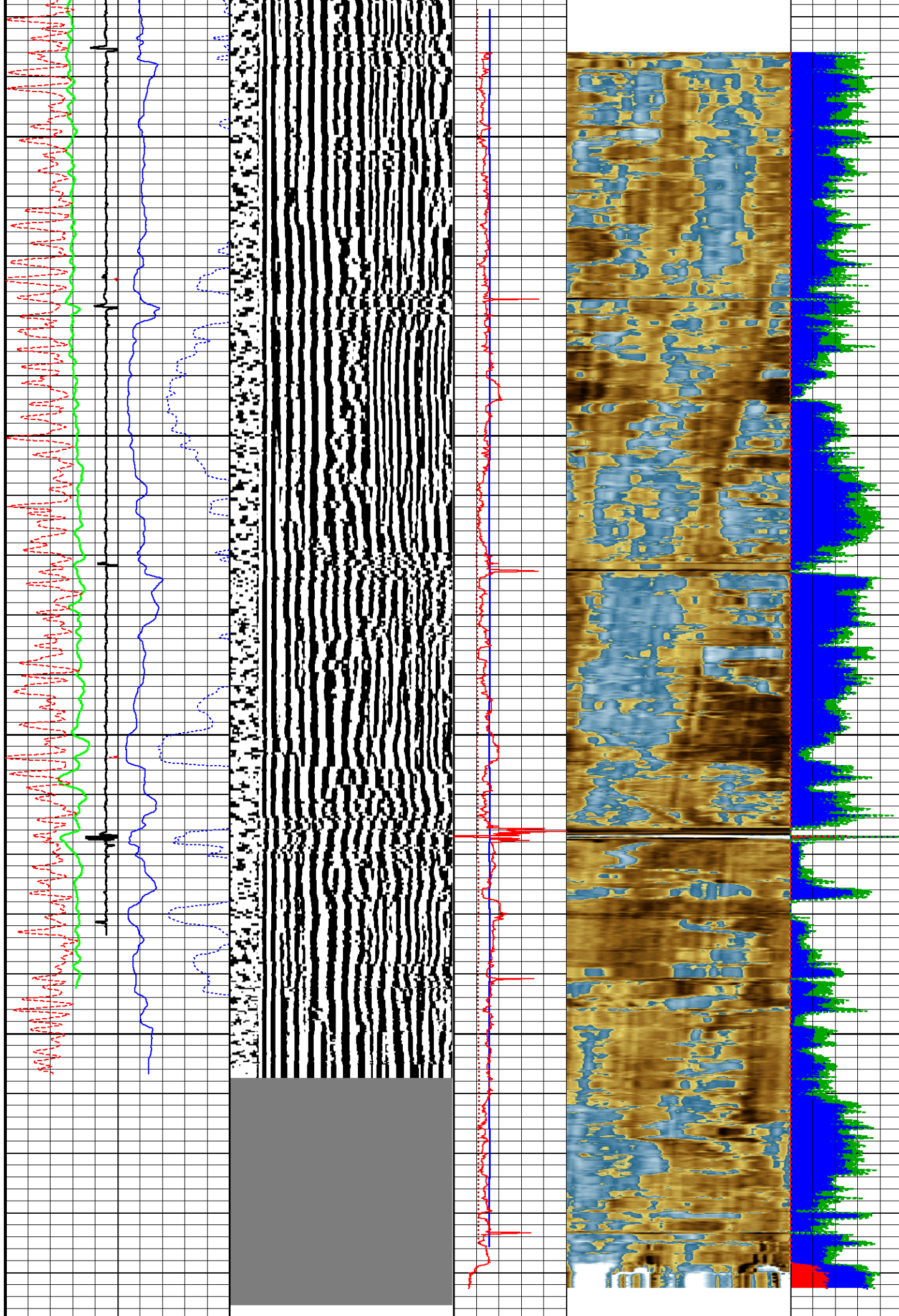


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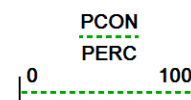
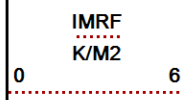
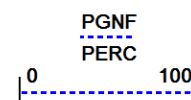
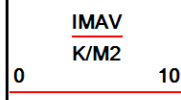
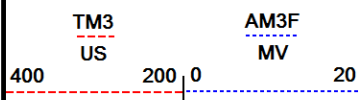
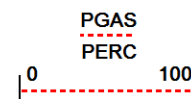
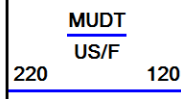
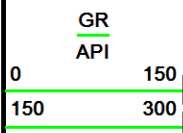
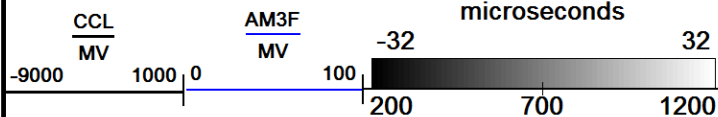
6450

6500

6550



6600

Depth
in
FeetXY Signature 5FT
microsecondsImpd Map
MRAYLSTiming
Marks
every
60.0 secReplay
Scale
1:240

Depth Based Data - Maximum Sampling Increment 2.5cm
 Filename: C:\Logs\Extraction\VARRA 10\VARRA 10 REPEAT PASS.dta
 System Versions: Logged with 16.05.3841 Plotted with 16.05.3841

Plotted on 03-DEC-2016 19:07
 Recorded on 03-DEC-2016 07:14



REPEAT PASS



DOWNHOLE EQUIPMENT

C:\Logs\Extraction\VARRA 10\VARRA 10 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



59.48 ft CCL - Collar Locator

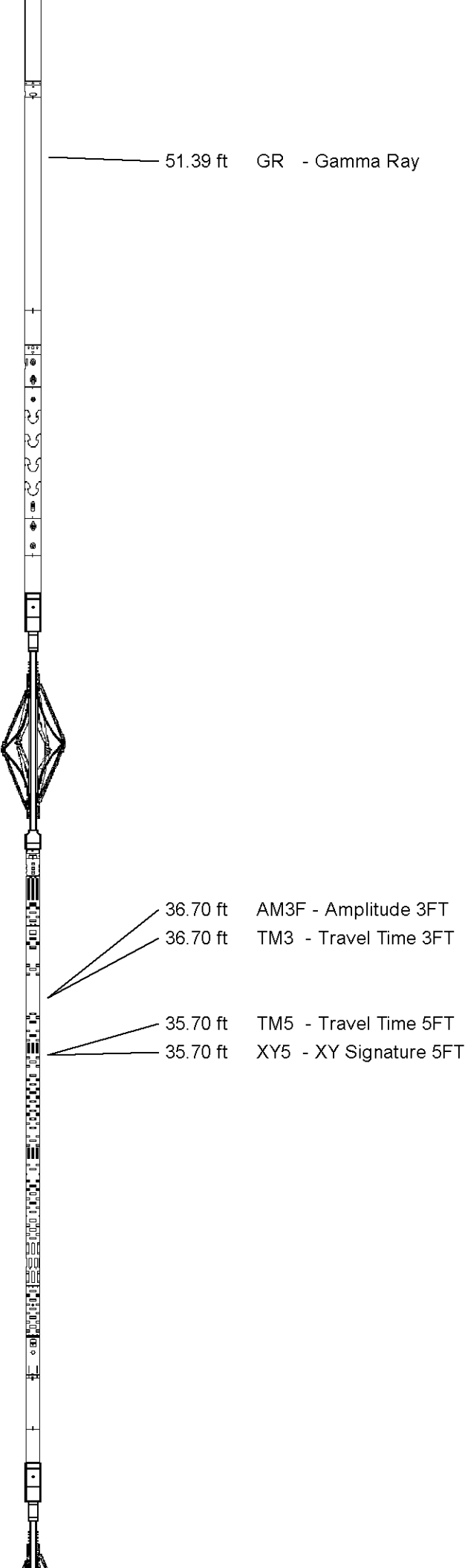
Gamma Ray
UGR-JD 223 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

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

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

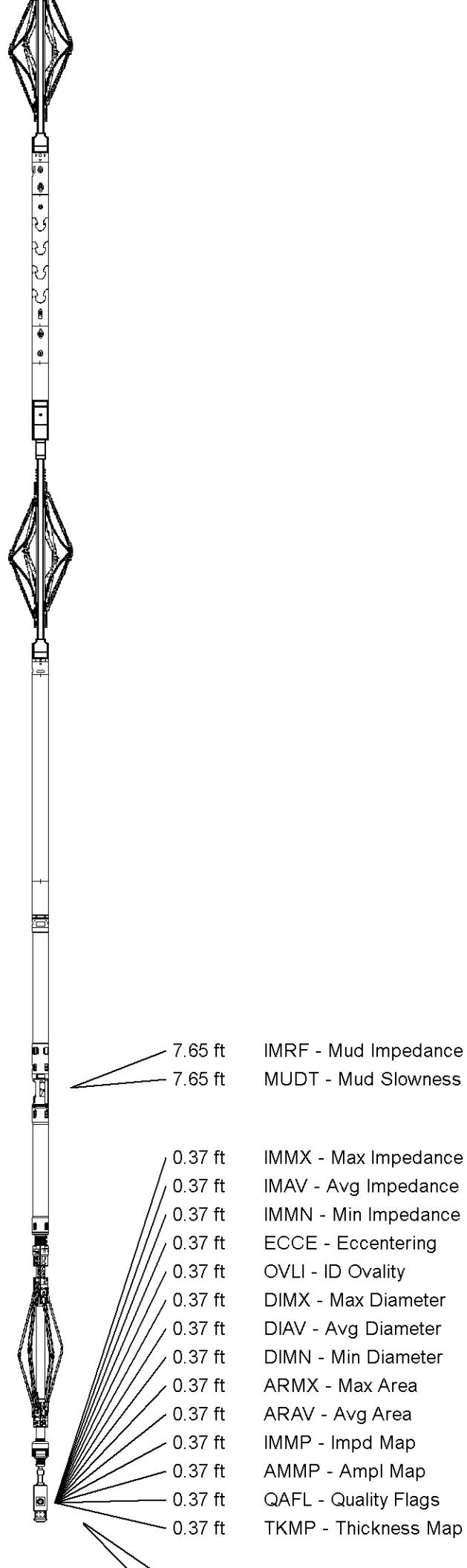
55 pin Roller Centralizer
CEN-XA 221 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

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



0.00 ft TENS - Tension
Tool Zero (0.00ft from bottom)

All measurements relative to tool zero.

SHOP AND FIELD CALIBRATIONS

C:\Logs\Extraction\VARRA 10\VARRA 10 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 03-DEC-2016 07:24

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 03-DEC-2016 07:24

*** 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 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	1586.00	5.50	36.00	1.50	1.50	0.36	1.00
0.00	17133.00	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 10
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	USA / COLORADO

Elevation Kelly Bushing	4924	feet	Bottom Log Interval	6600.00	feet
Elevation Drill Floor	4924	feet	Depth Driller	14133.00	feet
Elevation Ground Level	4899	feet	Depth Logger	6600.00	feet
<div><div><div><div>Weatherford[®]</div><div>SECUREVIEW</div><div>ULTRAVIEW/BONDVIEW</div><div>CEMENT ANALYSIS</div></div></div></div>					