
				SECUREVIEW			
				ULTRAVIEW / BONDVIEW			
				LOG			
COMPANY				BONANZA CREEK ENERGY			
WELL				ANTELOPE E14-20-17 XRLNC			
FIELD				WATTENBERG			
PROVINCE/COUNTY				WELD			
COUNTRY/STATE				UNITED STATES / COLORADO			
LOCATION				210' FSL & 1318' FWL			
SEC 20	TWP 5N	RGE 62W	Other Services				
Latitude							
Longitude							
API Number		05-123-48965					
Permanent Datum GL, Elevation 4665 feet						Elevations: feet	
Log Measured From KB, 17.00 feet above Permanent Datum						KB 4682.00	
Drilling Measured From KB						DF 4665.00	
Date				04-APR-2019			
Run Number				ONE			
Service Order				7145-241586777			
Type Log				URS / CBT			
Depth Driller							
Depth Logger				6400.00 feet			
Top Log Interval				10.00 feet			
Bottom Log Interval				6400.00 feet			
Hole Fluid Type				WATER BASED			
Hole Fluid Level				54.00 feet			
Restriction ID				4.767 inches			
Max Recorded Temp				200.00 deg F			
Well Head Pressure				0.00 psi			
Well Head Equipment				NONE			
Time Well Ready				ON ARRIVAL			
Time Logger Bottom				11:30			
Unit				14115			
Equipment Name				WSS-E			
Base				CASPER			
Recorded By				K. HUSETH			
Witnessed By				K. DODGE			

CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	J-55		9.625	0.00	1606.00	36.00
PRODUCTION	P-110		5.500	0.00	16455.00	17.00

REMARKS
SECUREVIEW ULTRAVIEW BONDVIEW LOG CORRELATED TO RIG KB @ 17 FT ABOVE GROUND LEVEL
100% STANDARD FREE PIPE AMPLITUDE IN 5.5 INCH CASING IS 72 mV
ESTIMATED TOP OF CEMENT AT OR ABOVE 54 FT

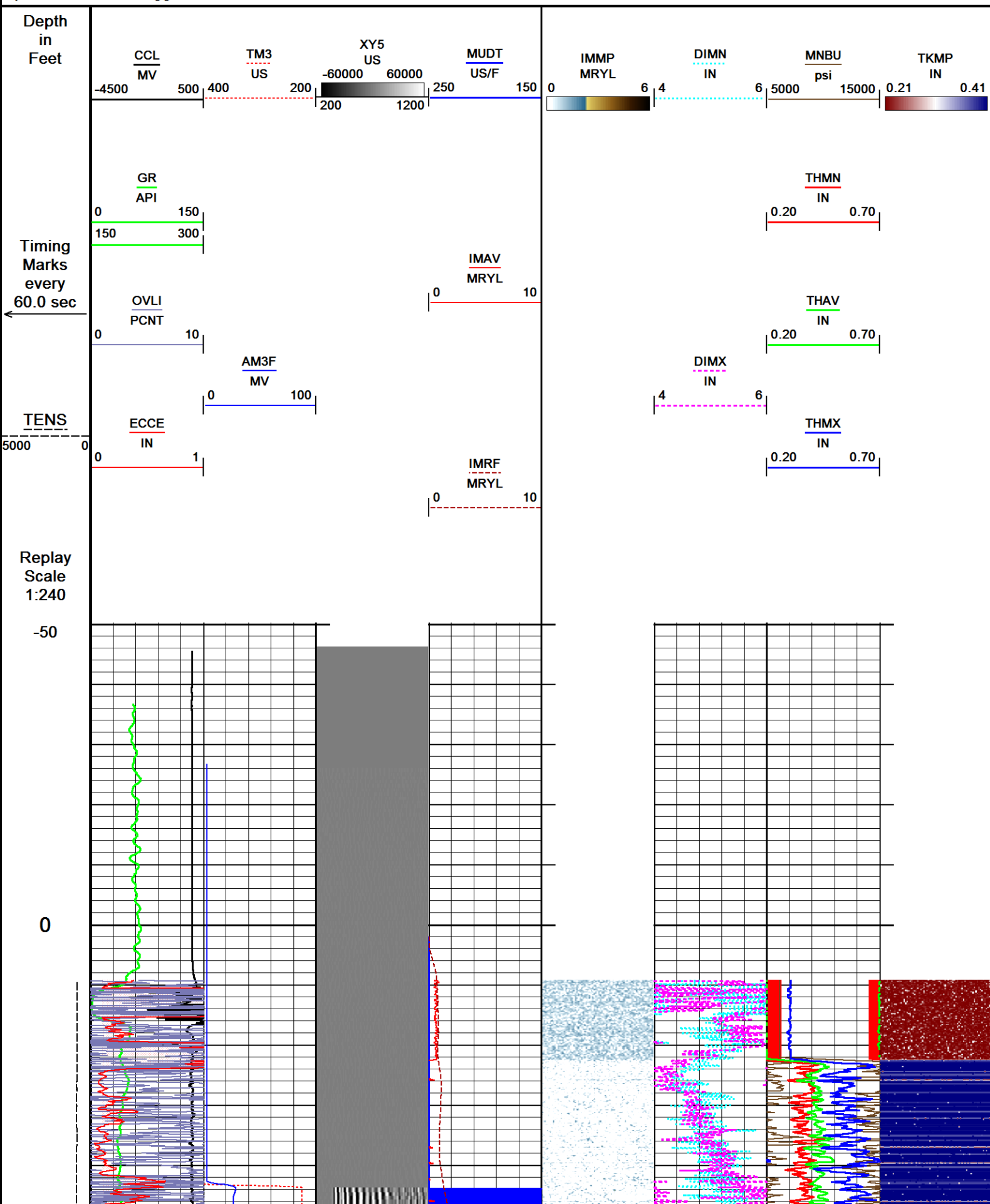
<p>In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will 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.</p>
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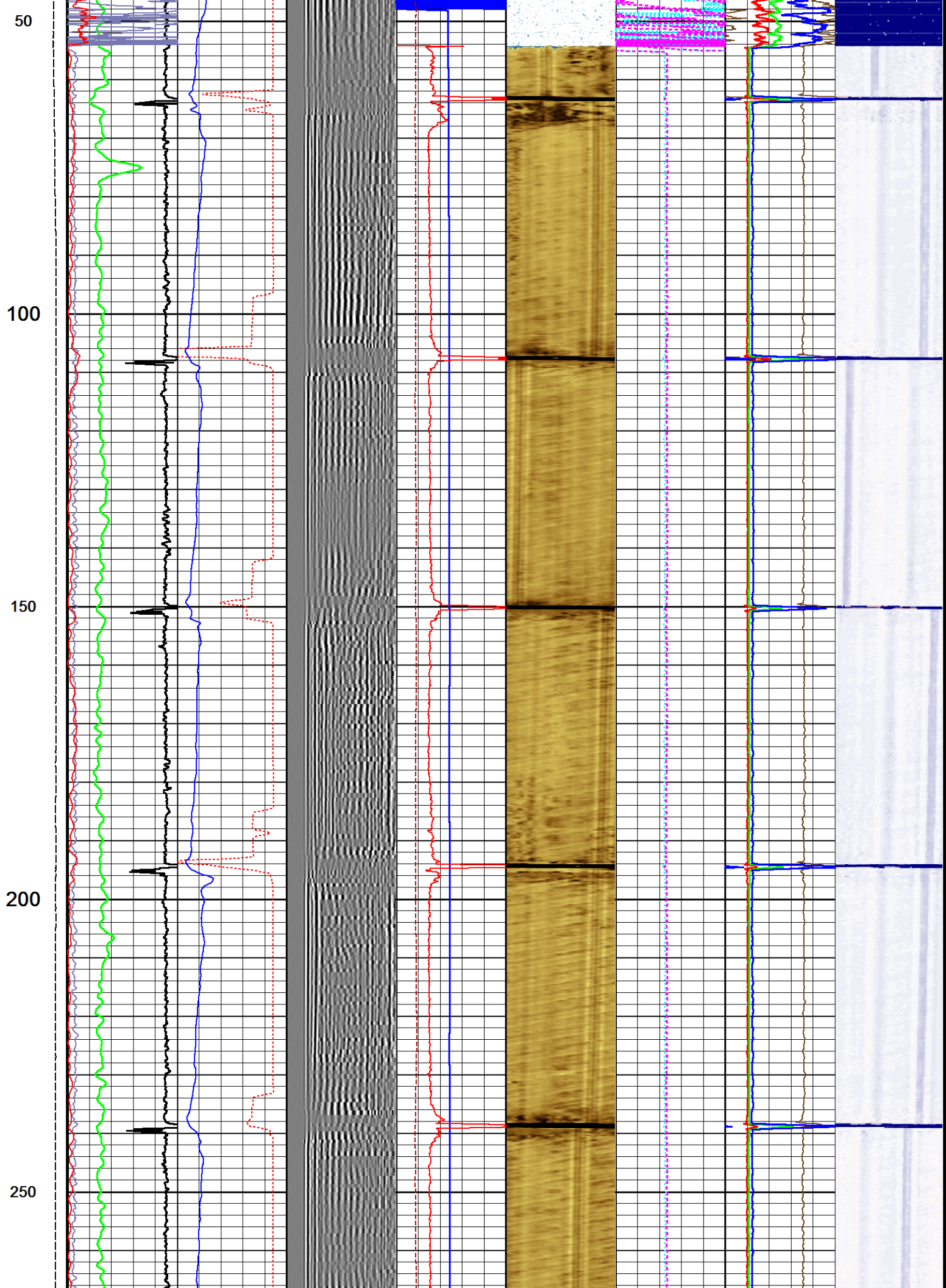


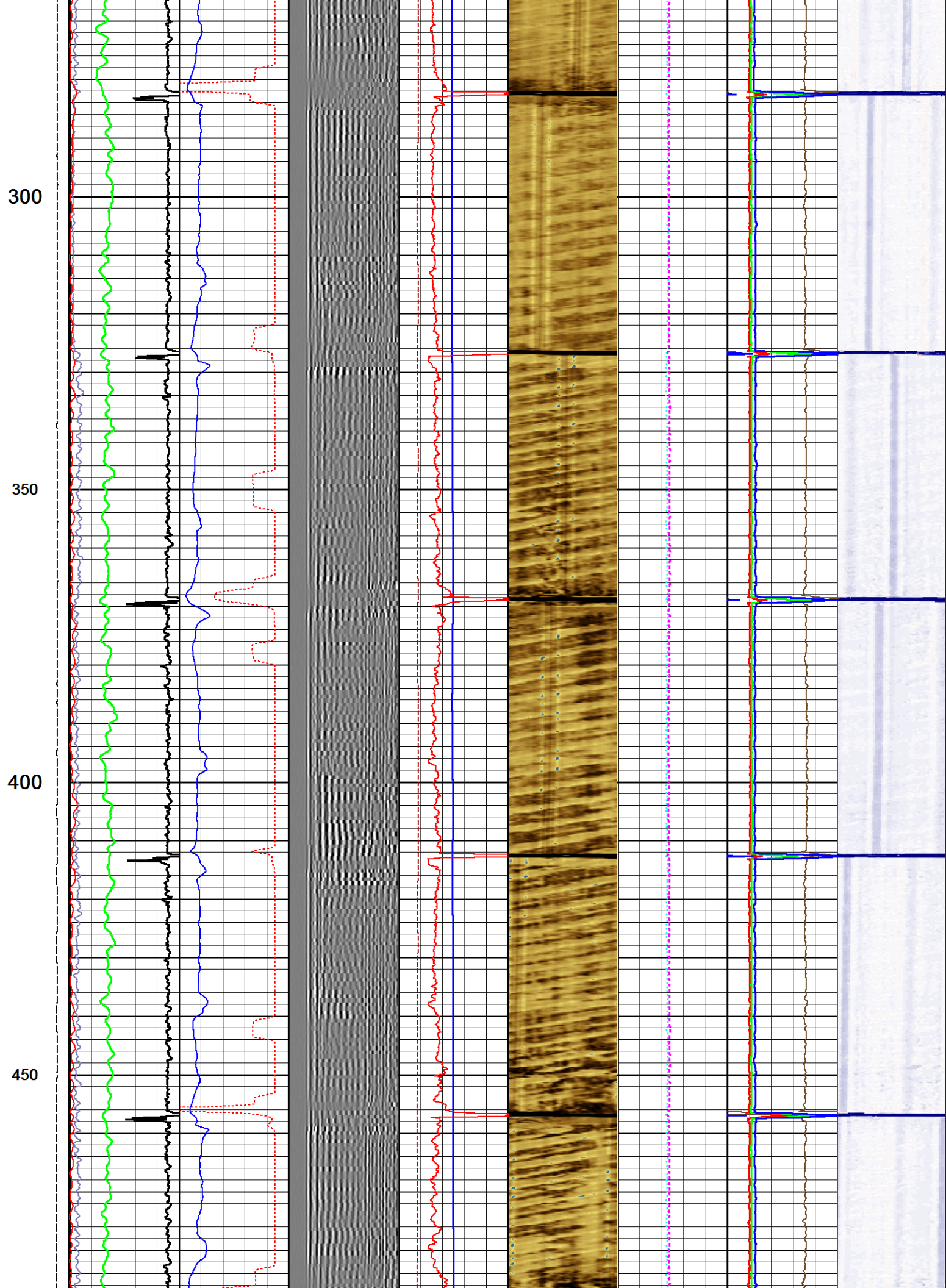
Plotted on 04-APR-2019 14:00

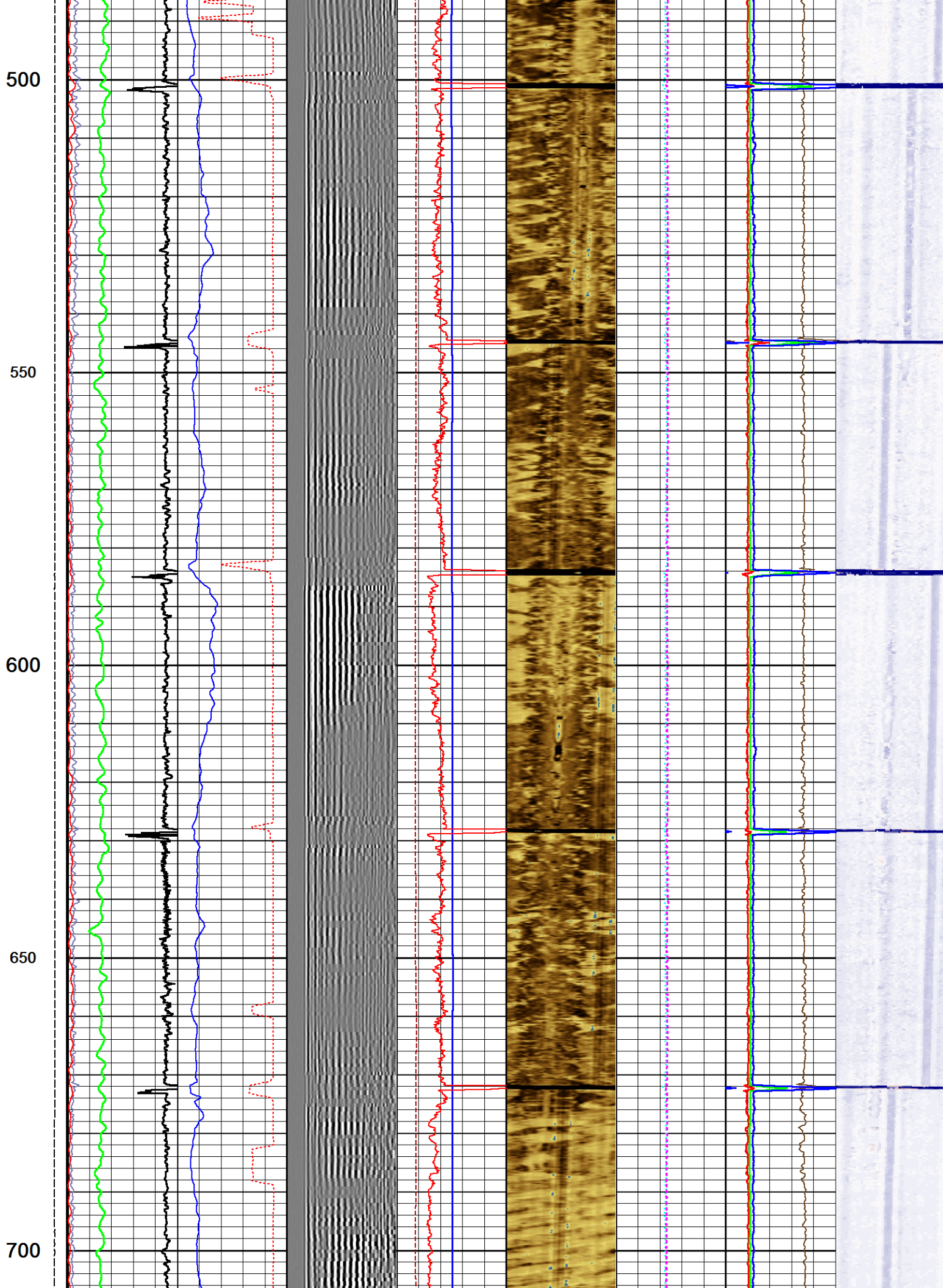
Recorded on 04-APR-2019 10:49

System Versions: Logged with 18.05.3821 Processed with 18.05.7089 Plotted with 18.05.7089







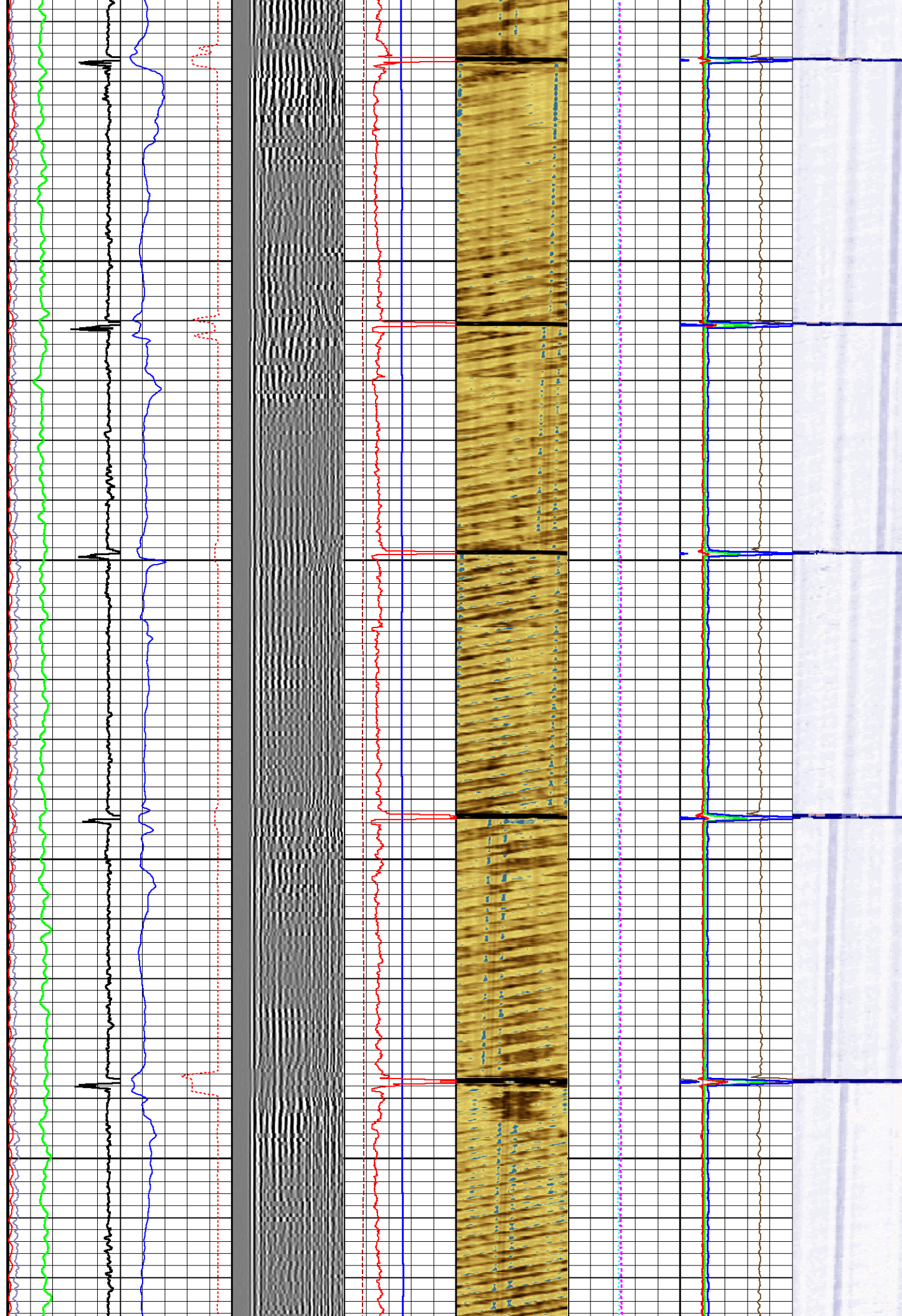


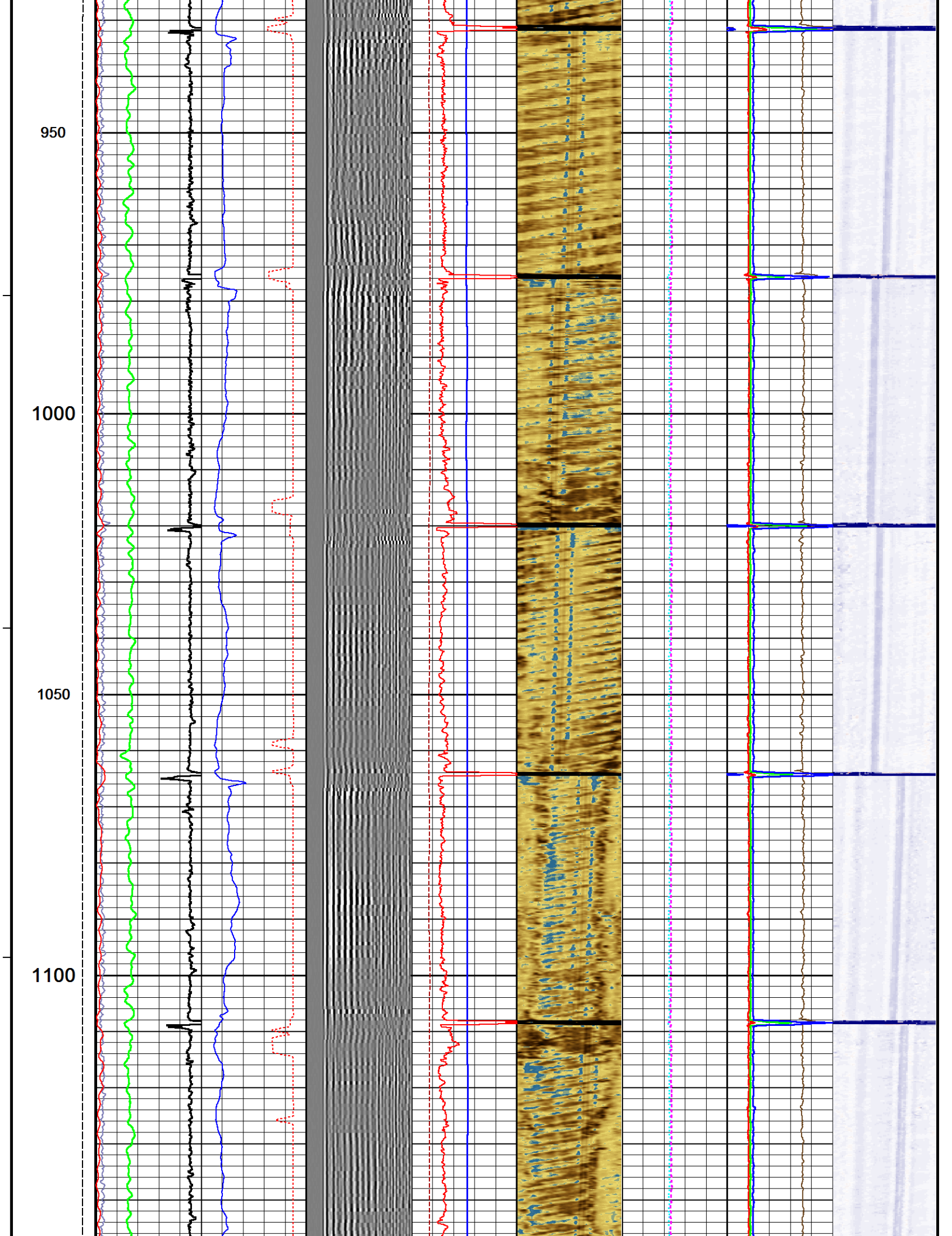
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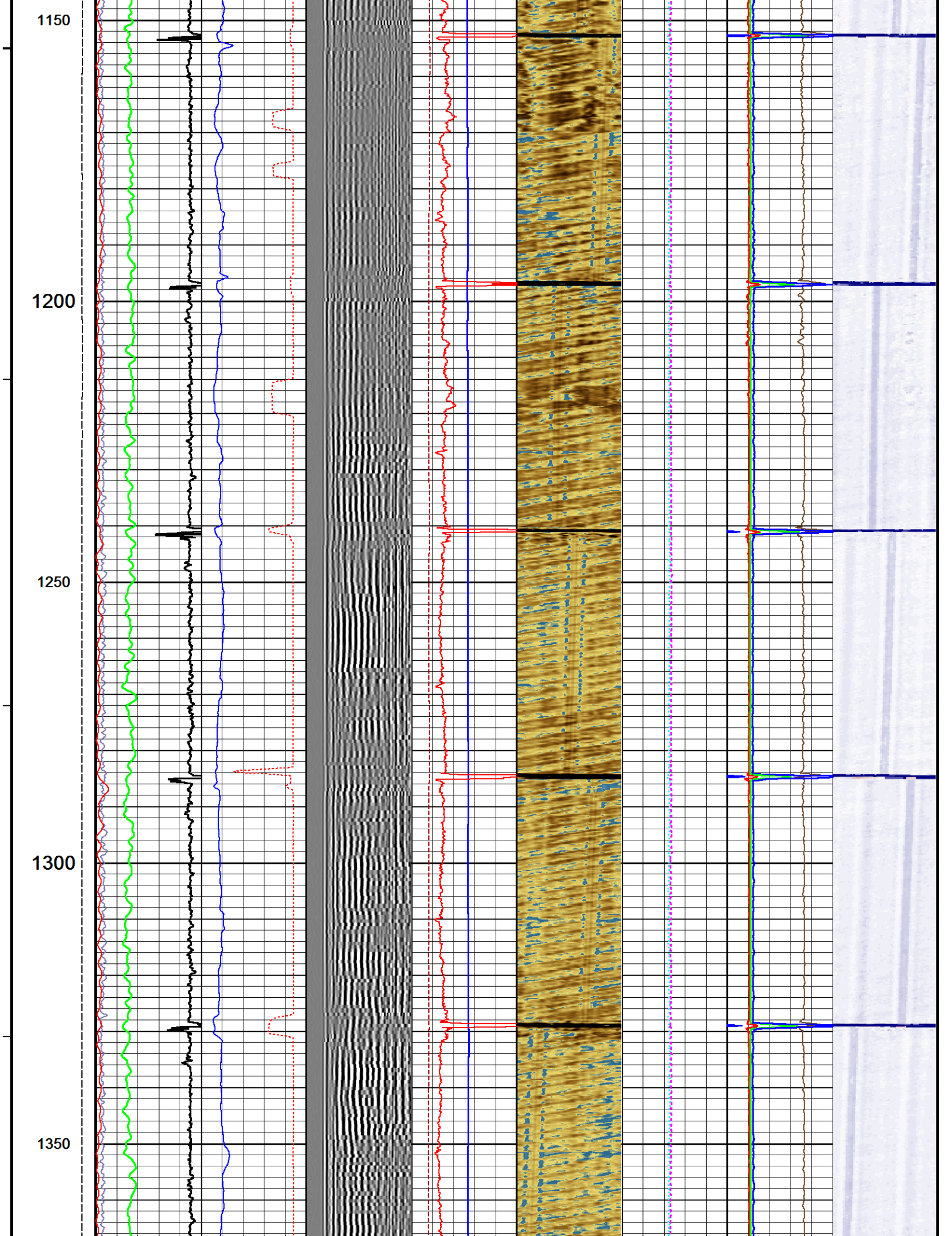
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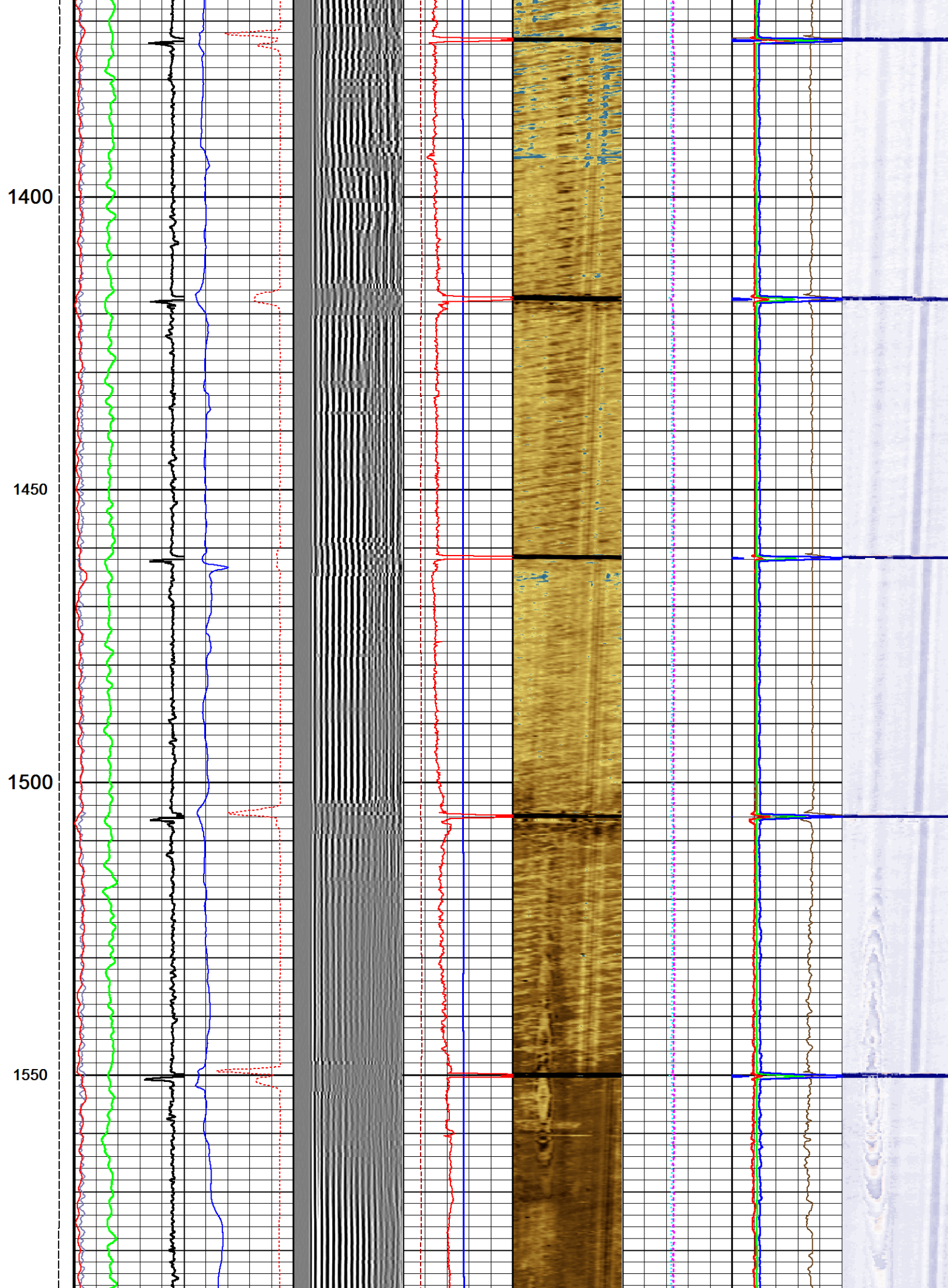
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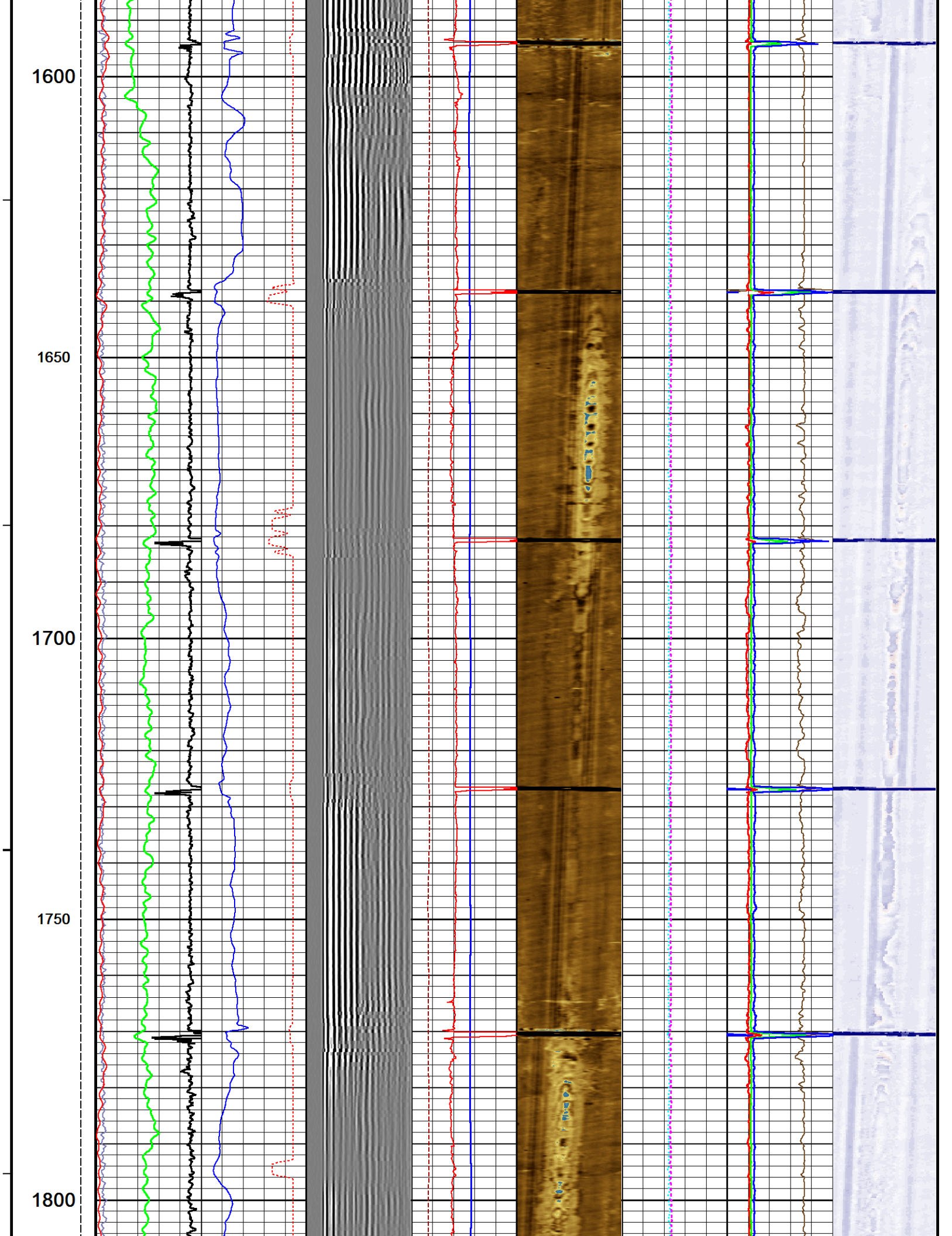
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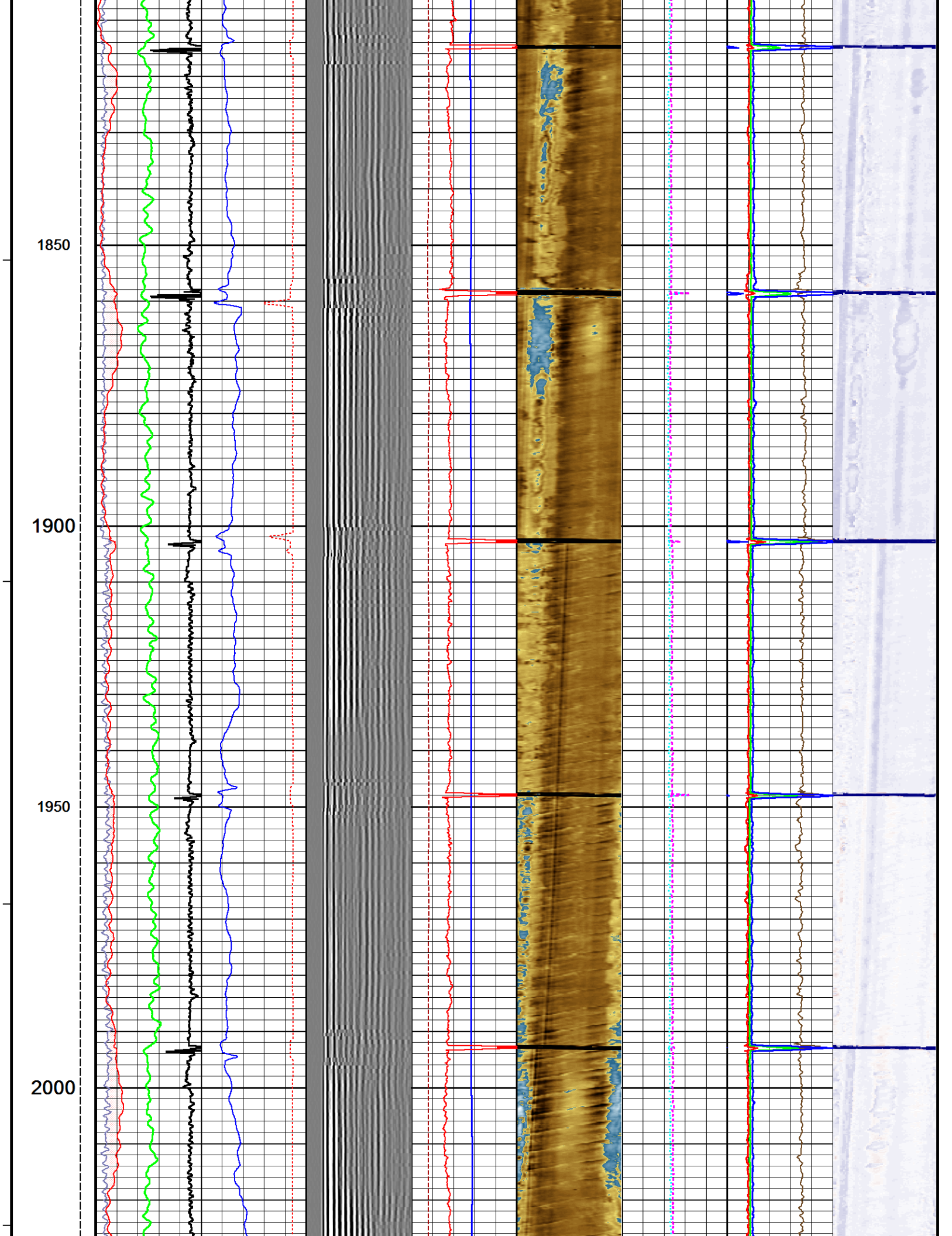










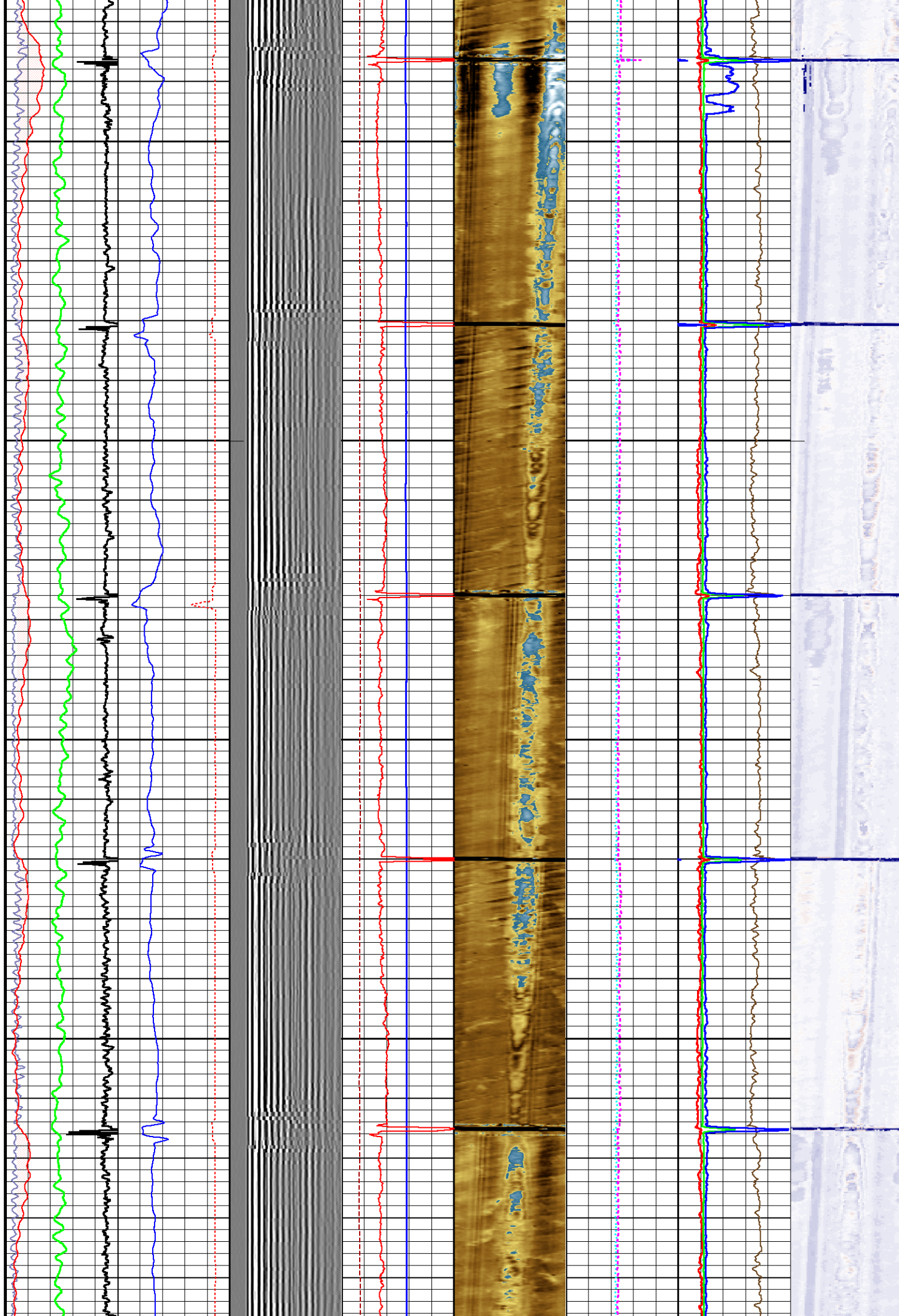


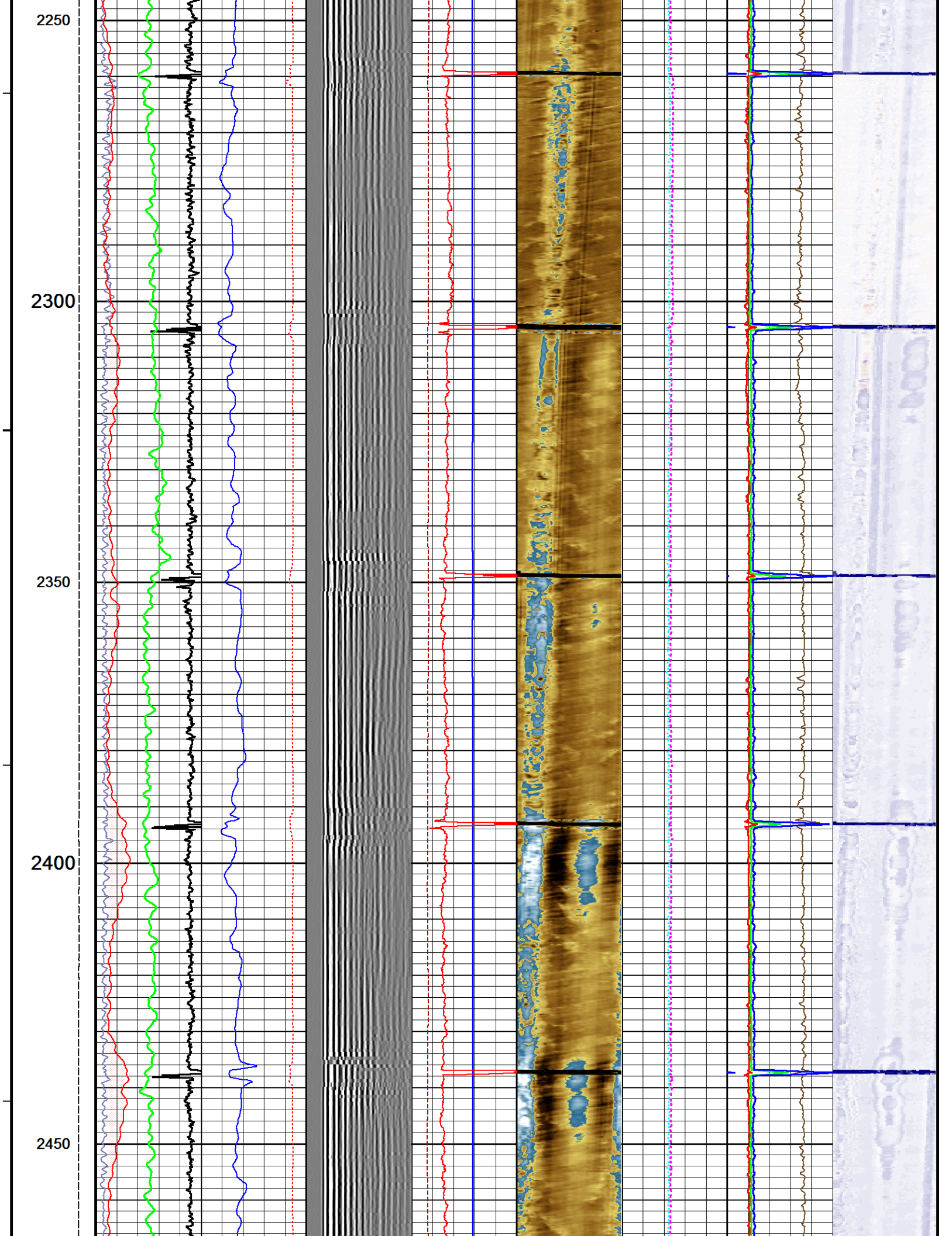
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2100

2150

2200



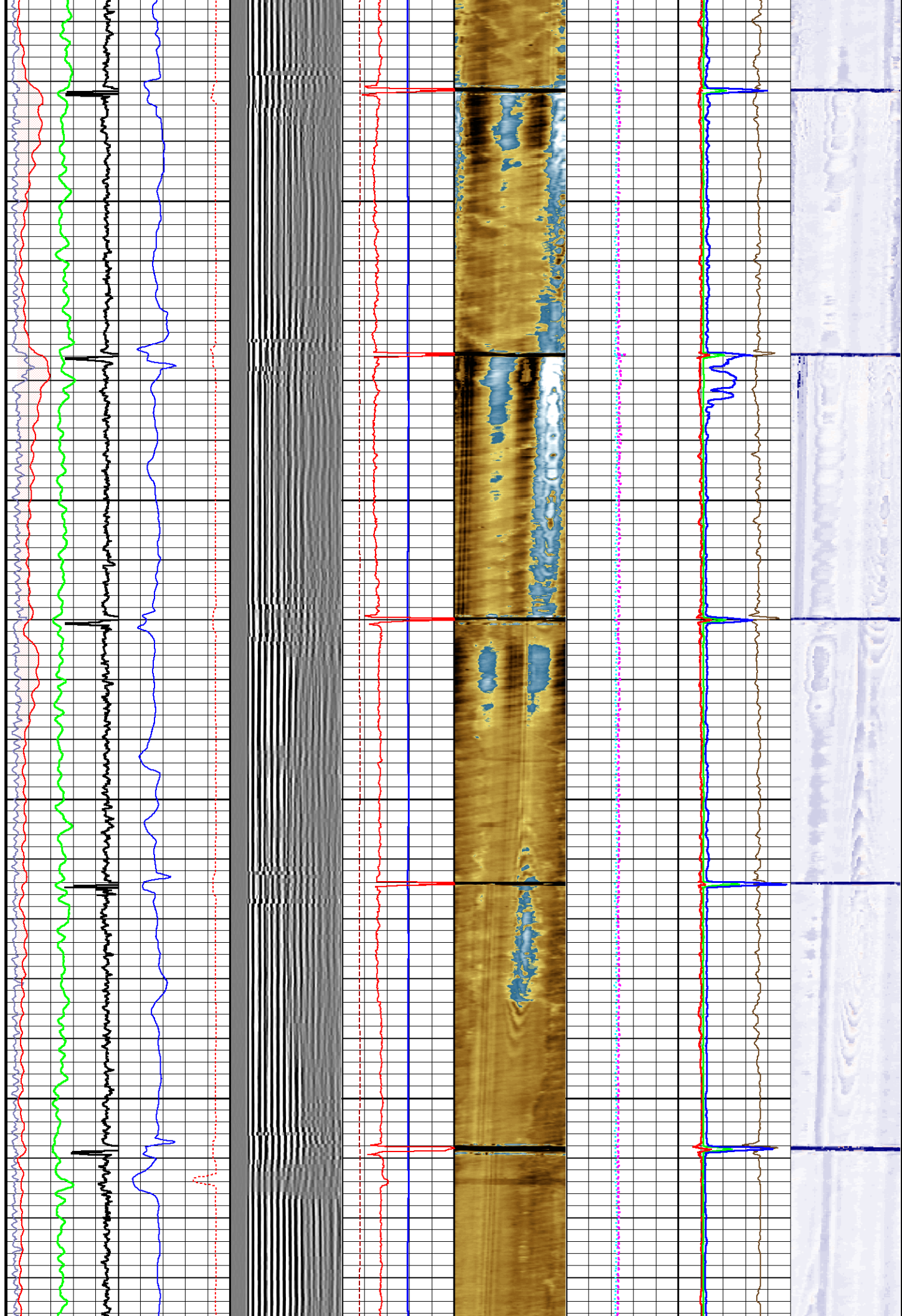


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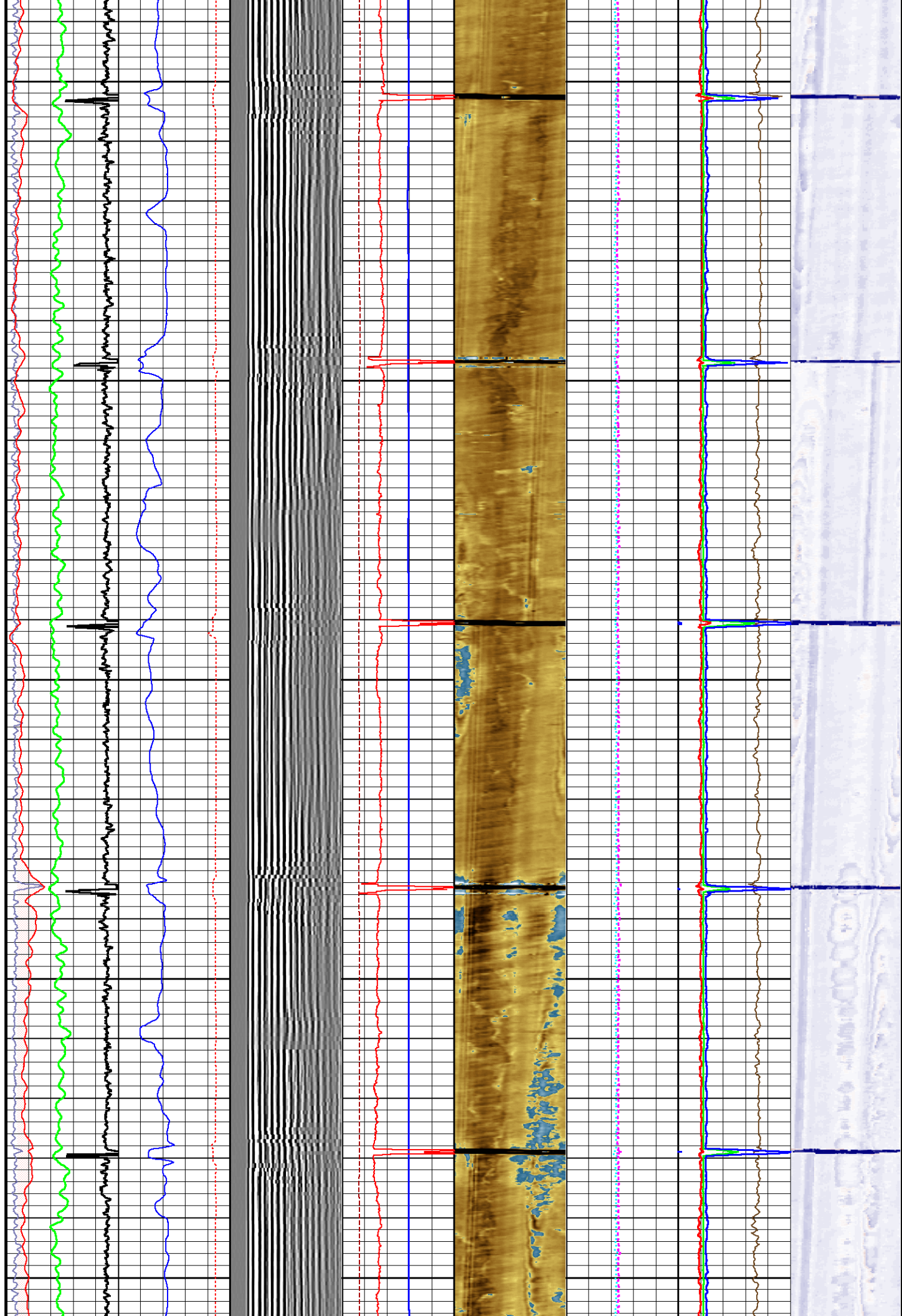
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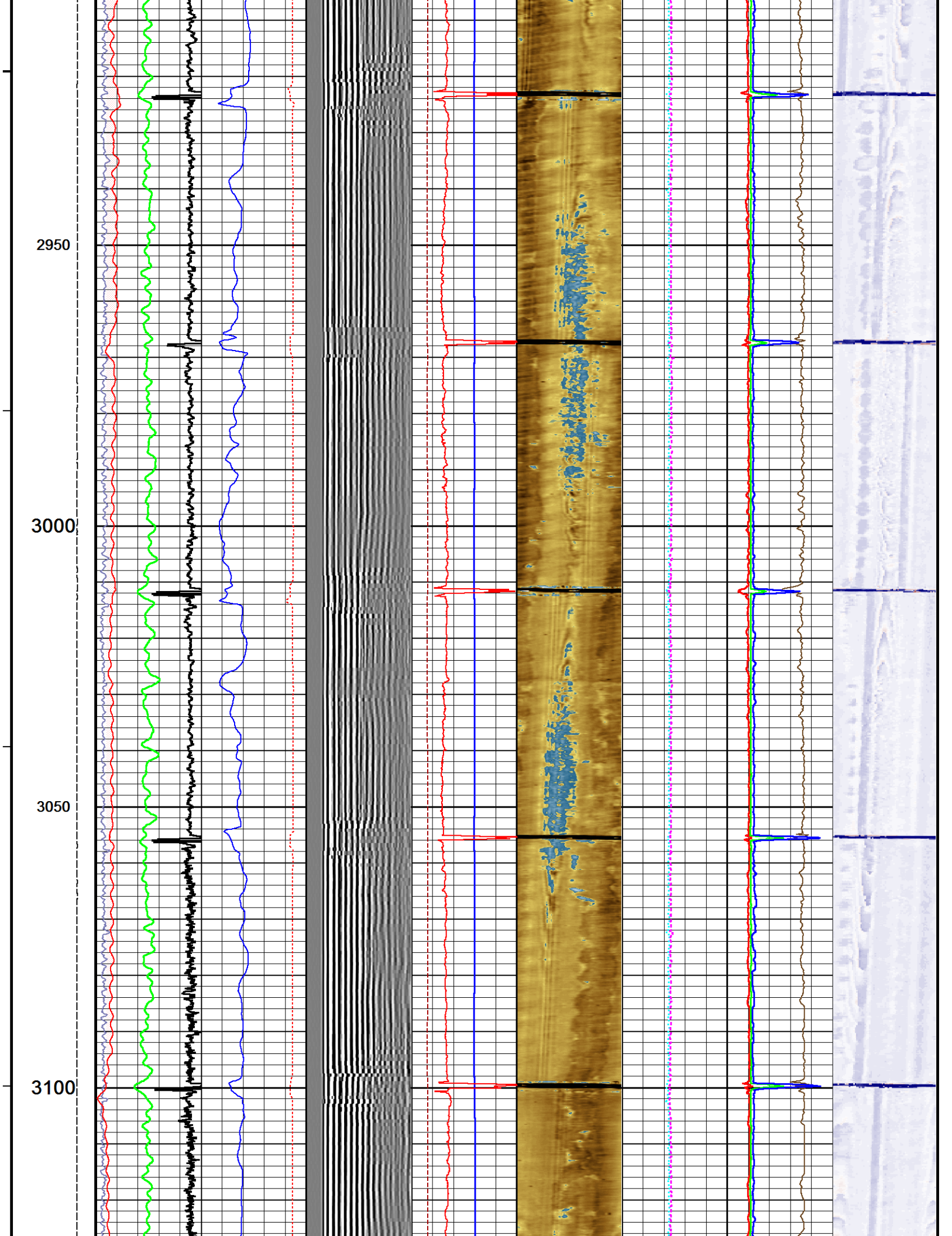
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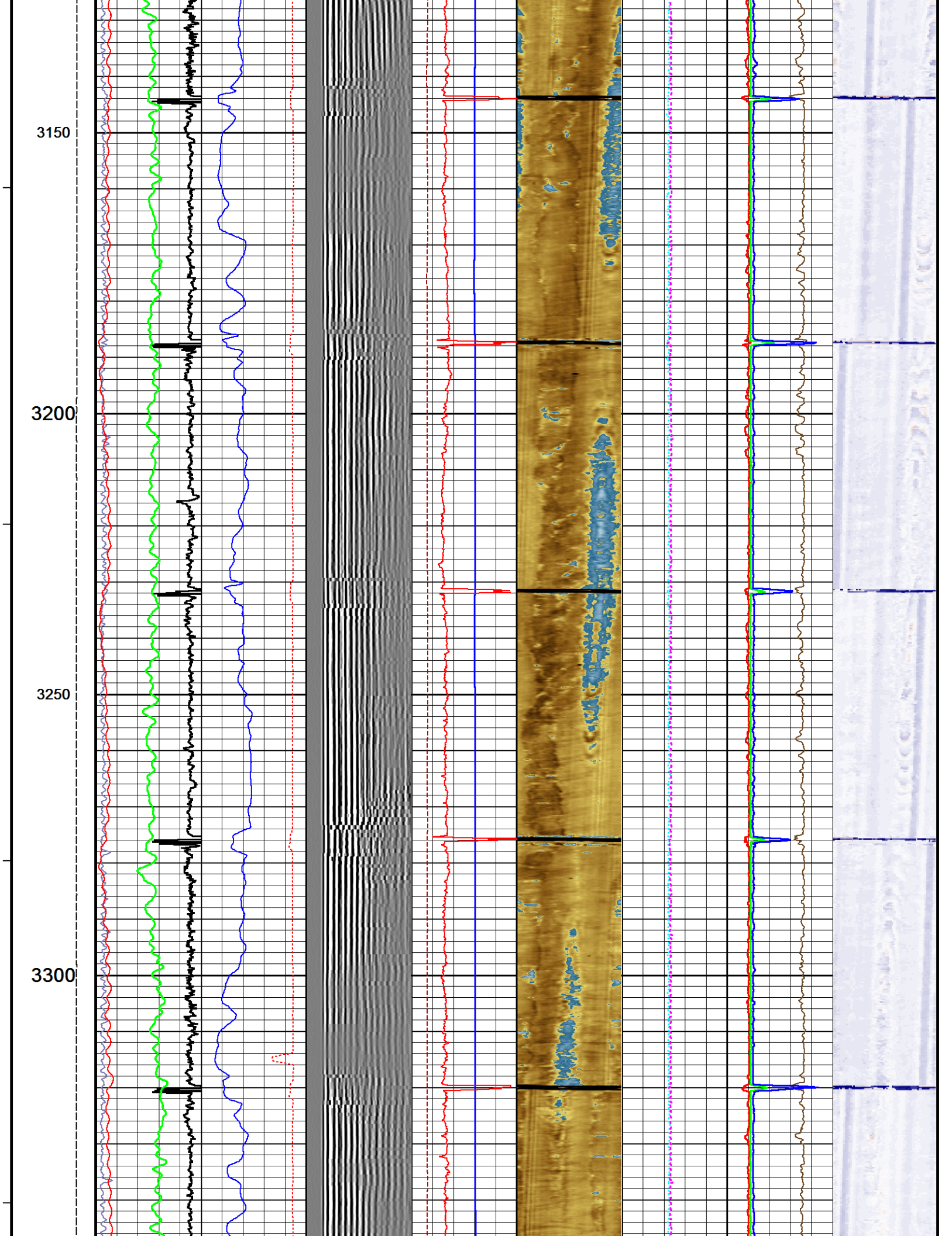
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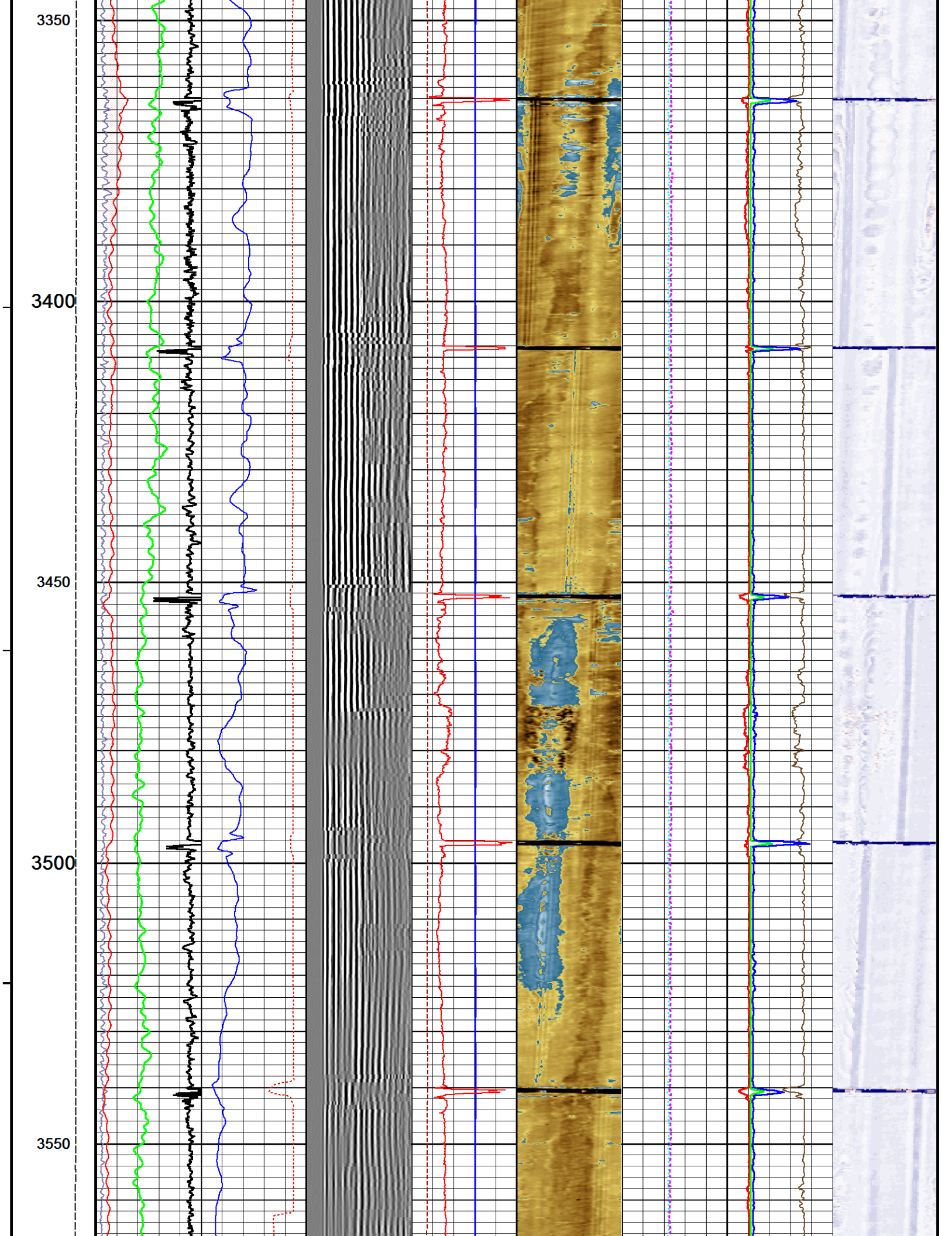


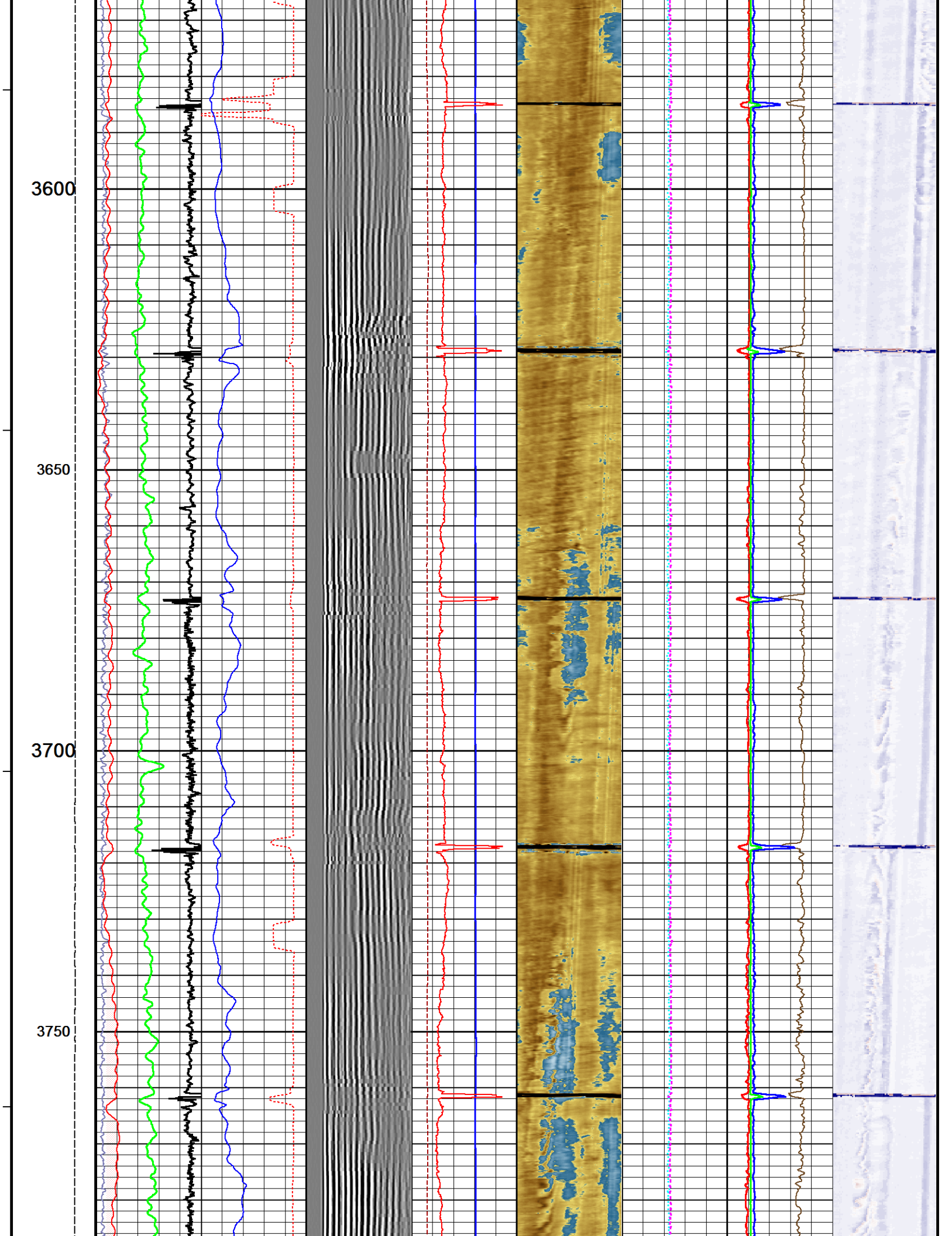
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2750
2800
2850
2900

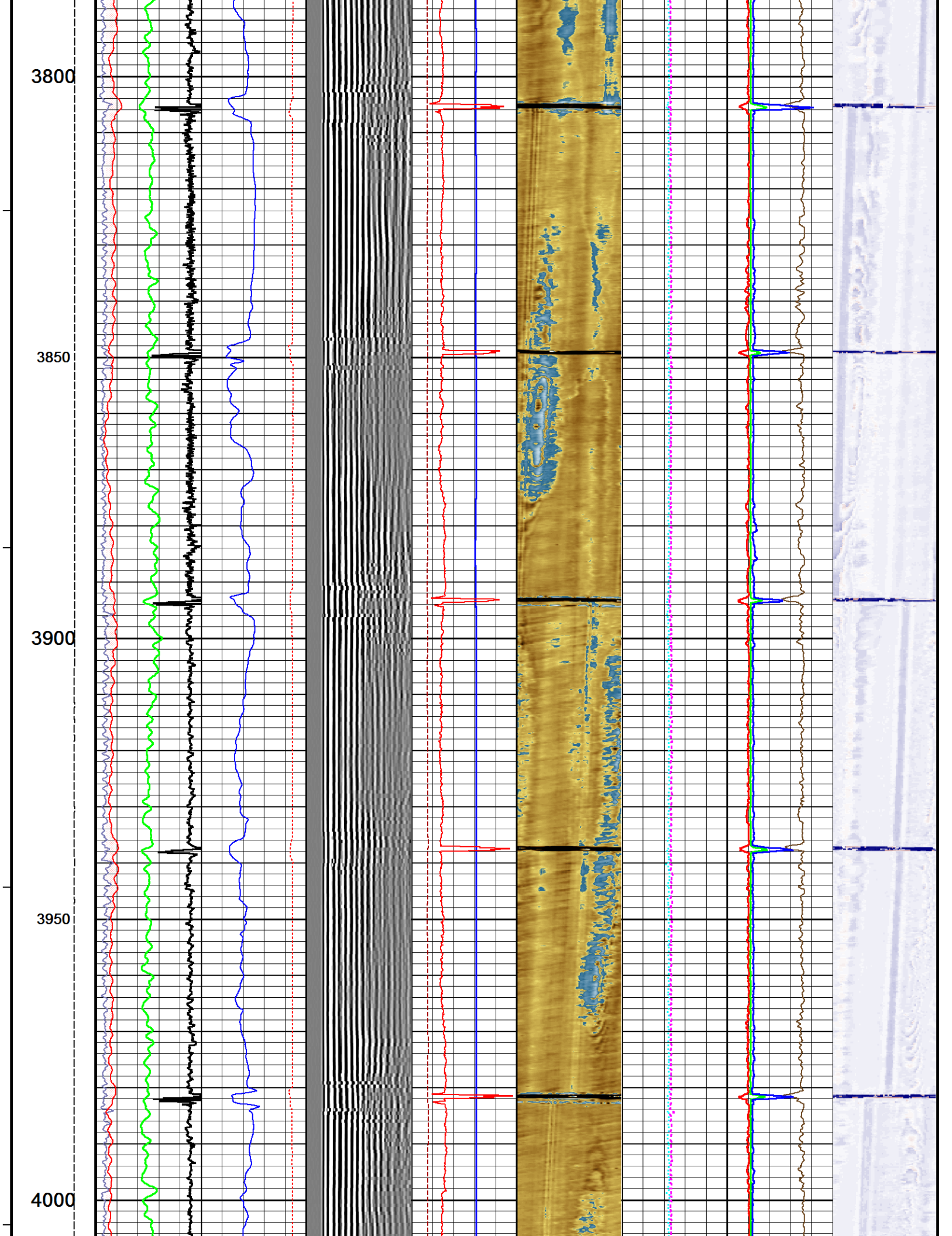


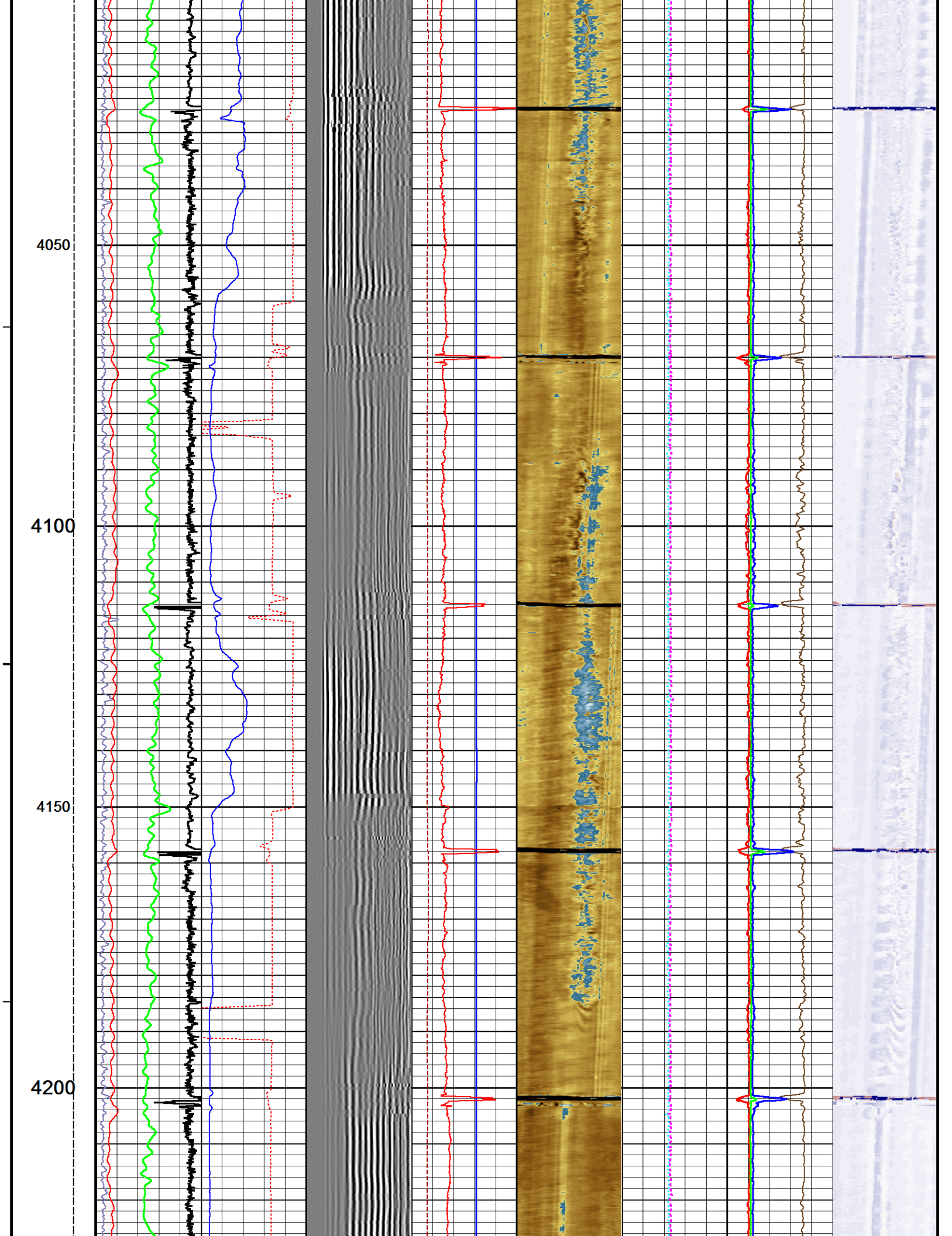


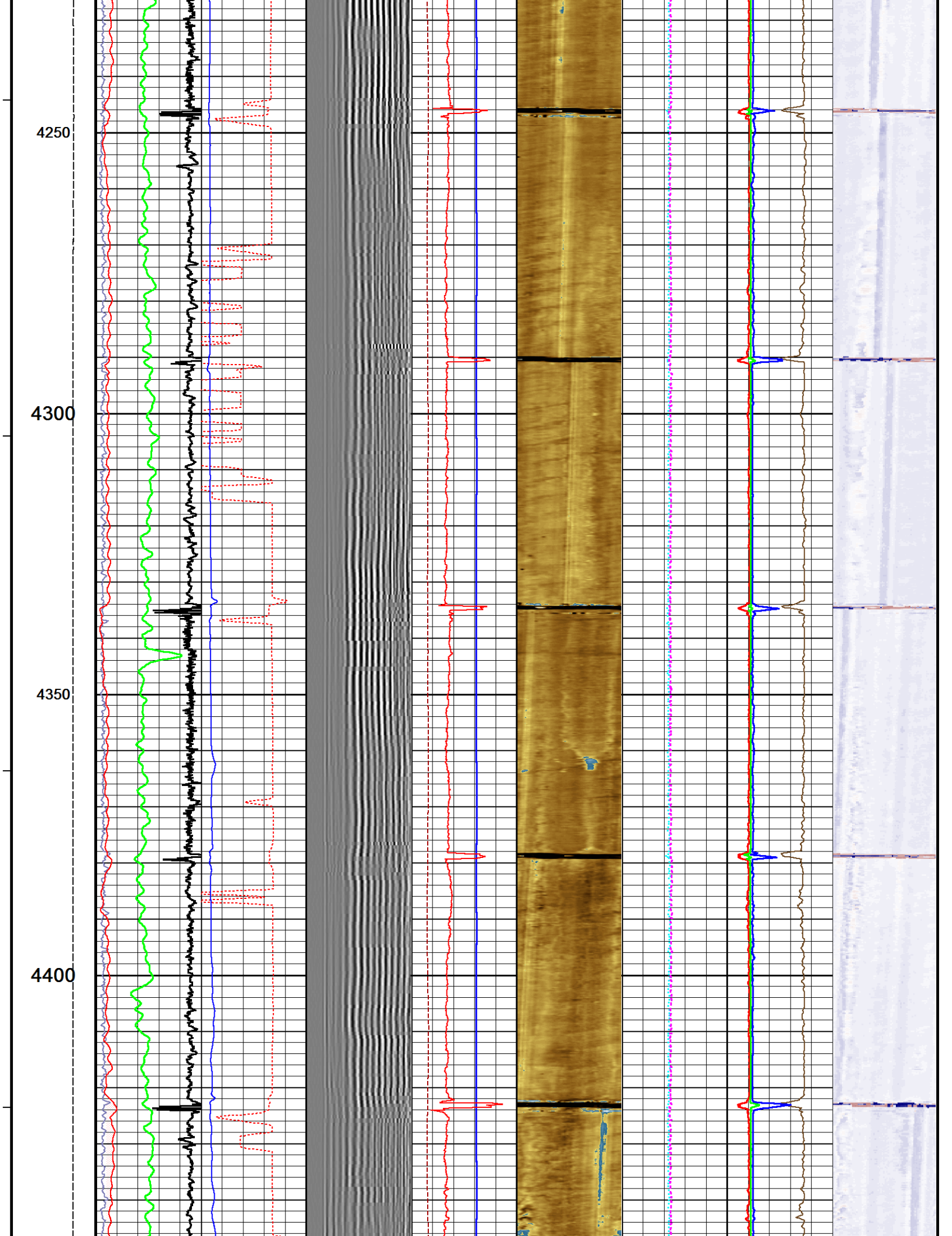


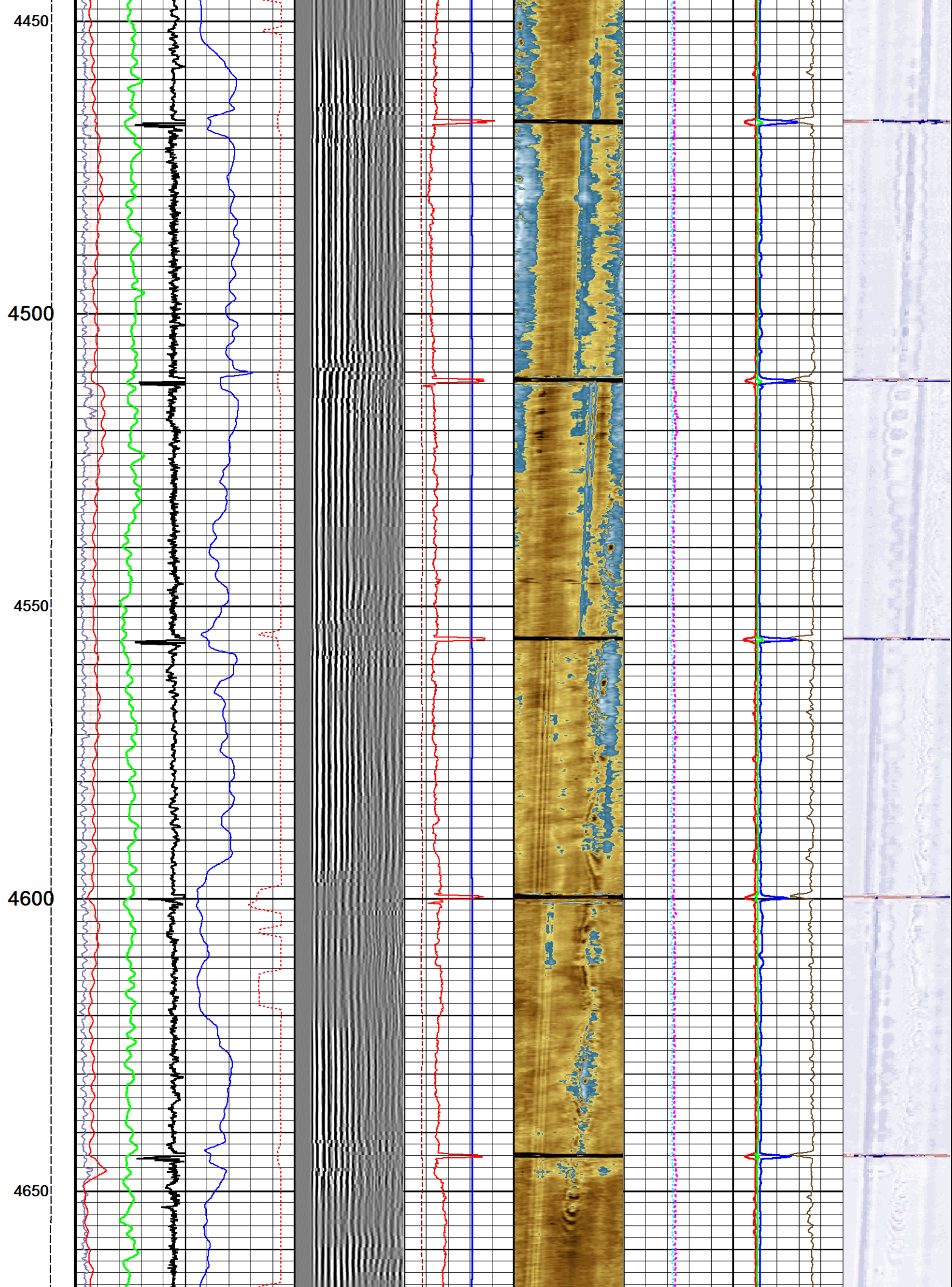


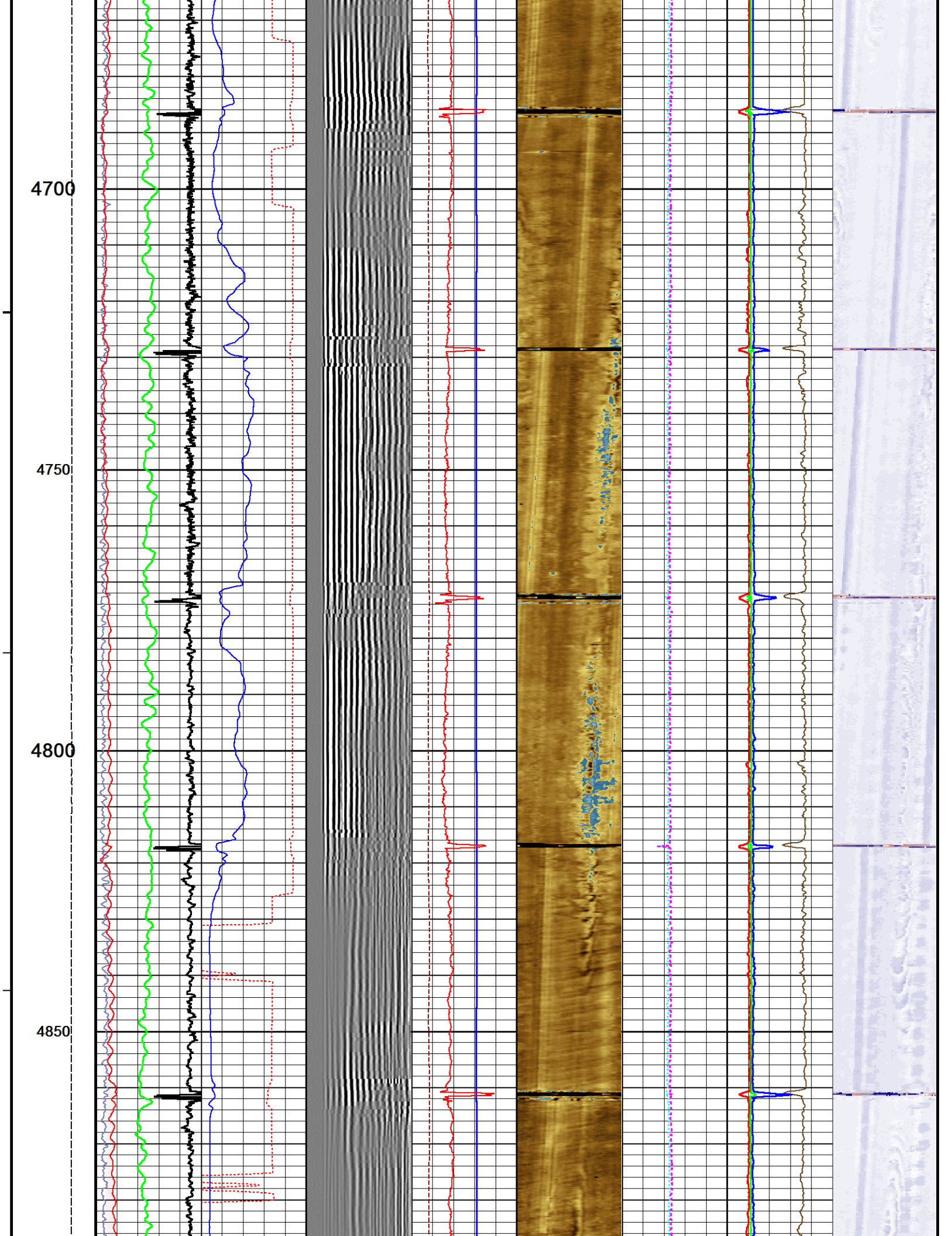












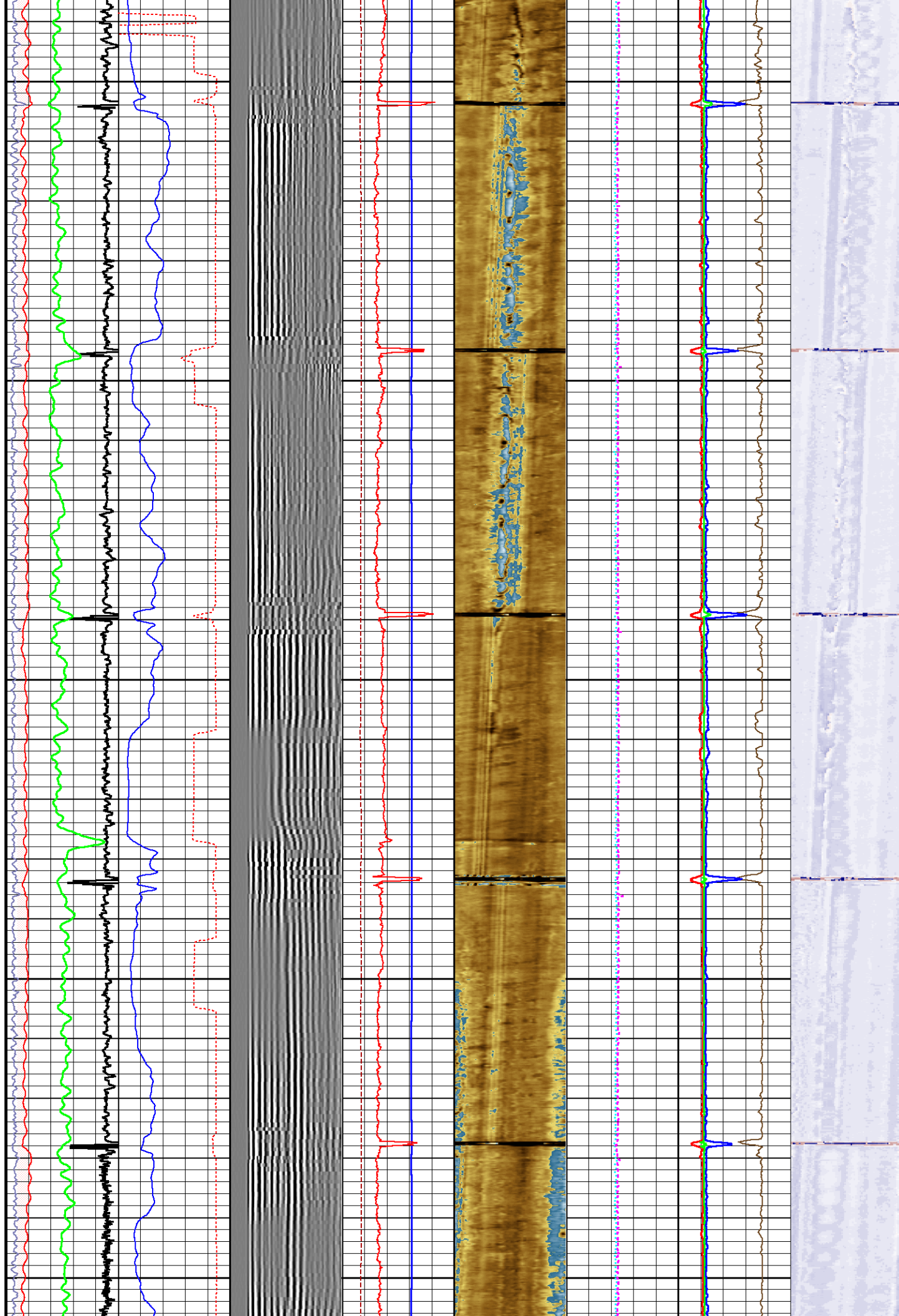
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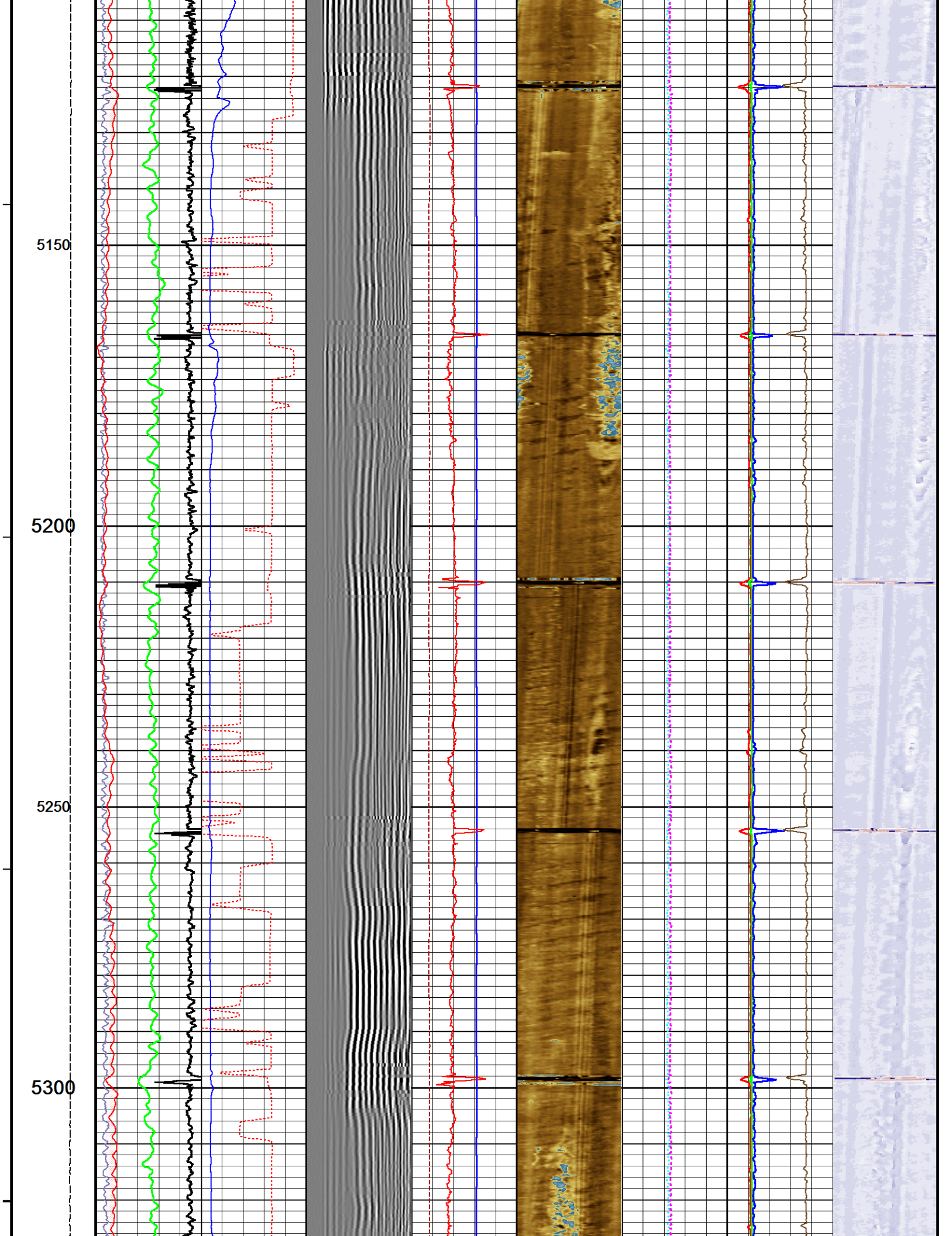
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5000

5050

5100



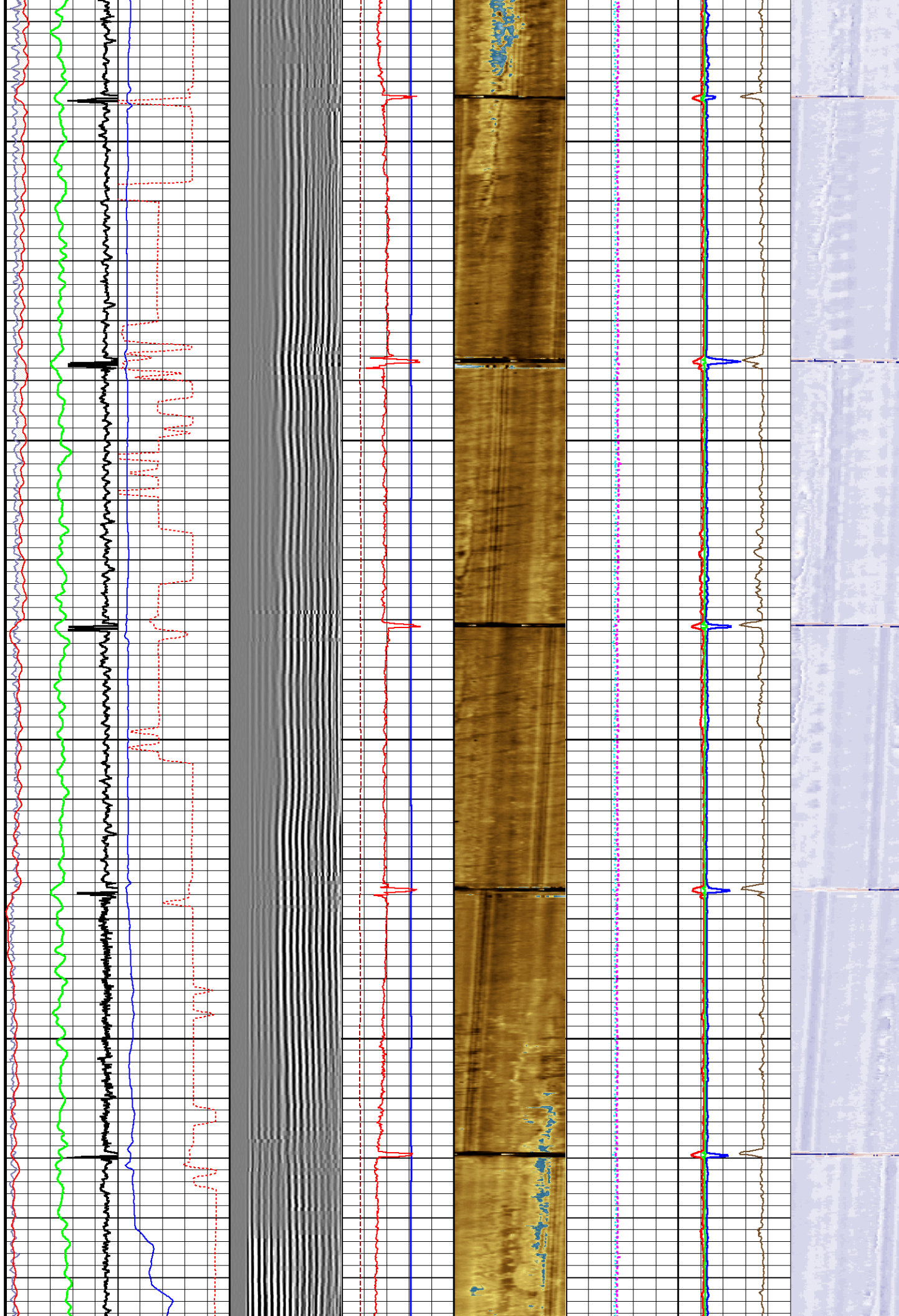


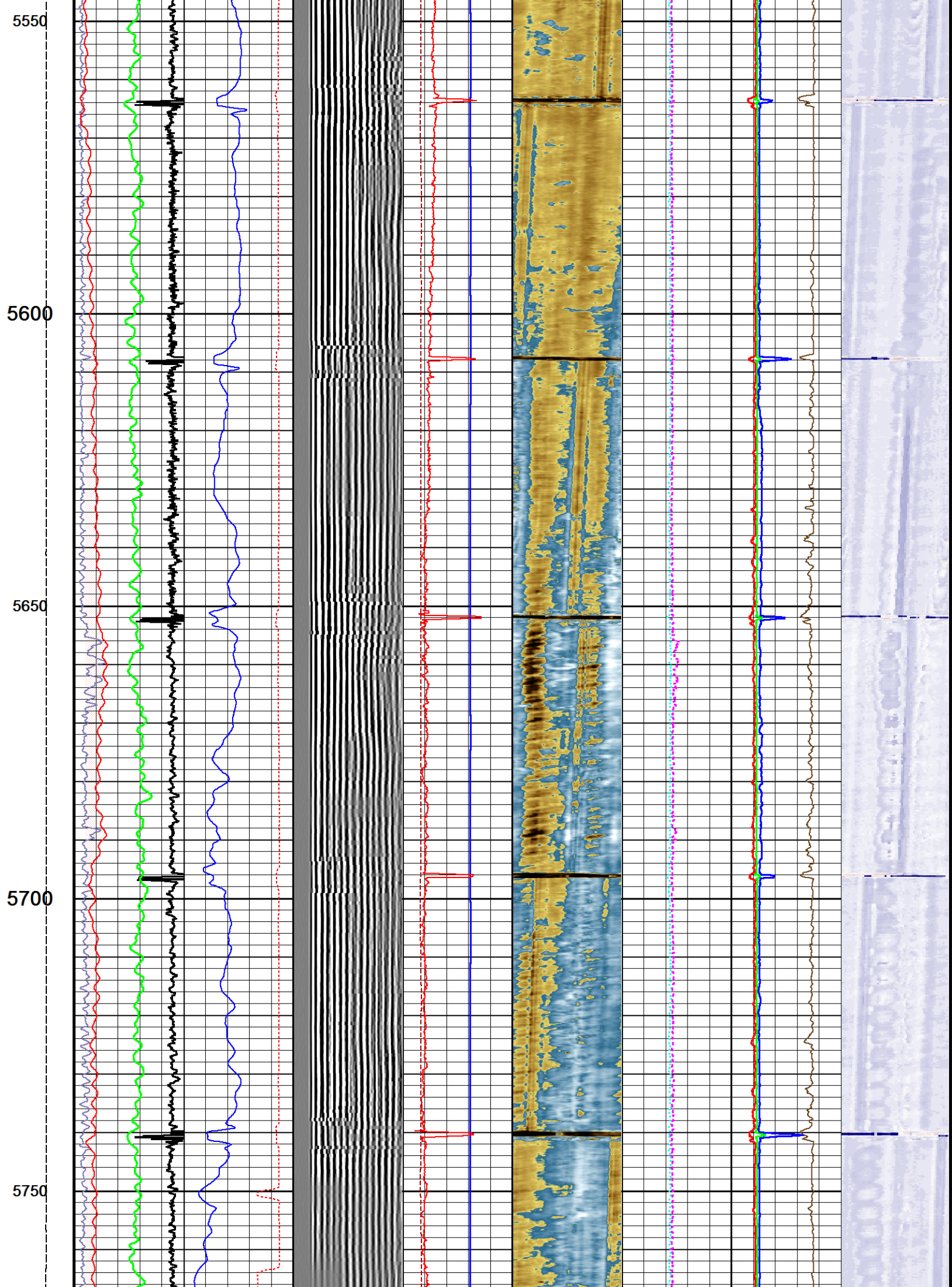
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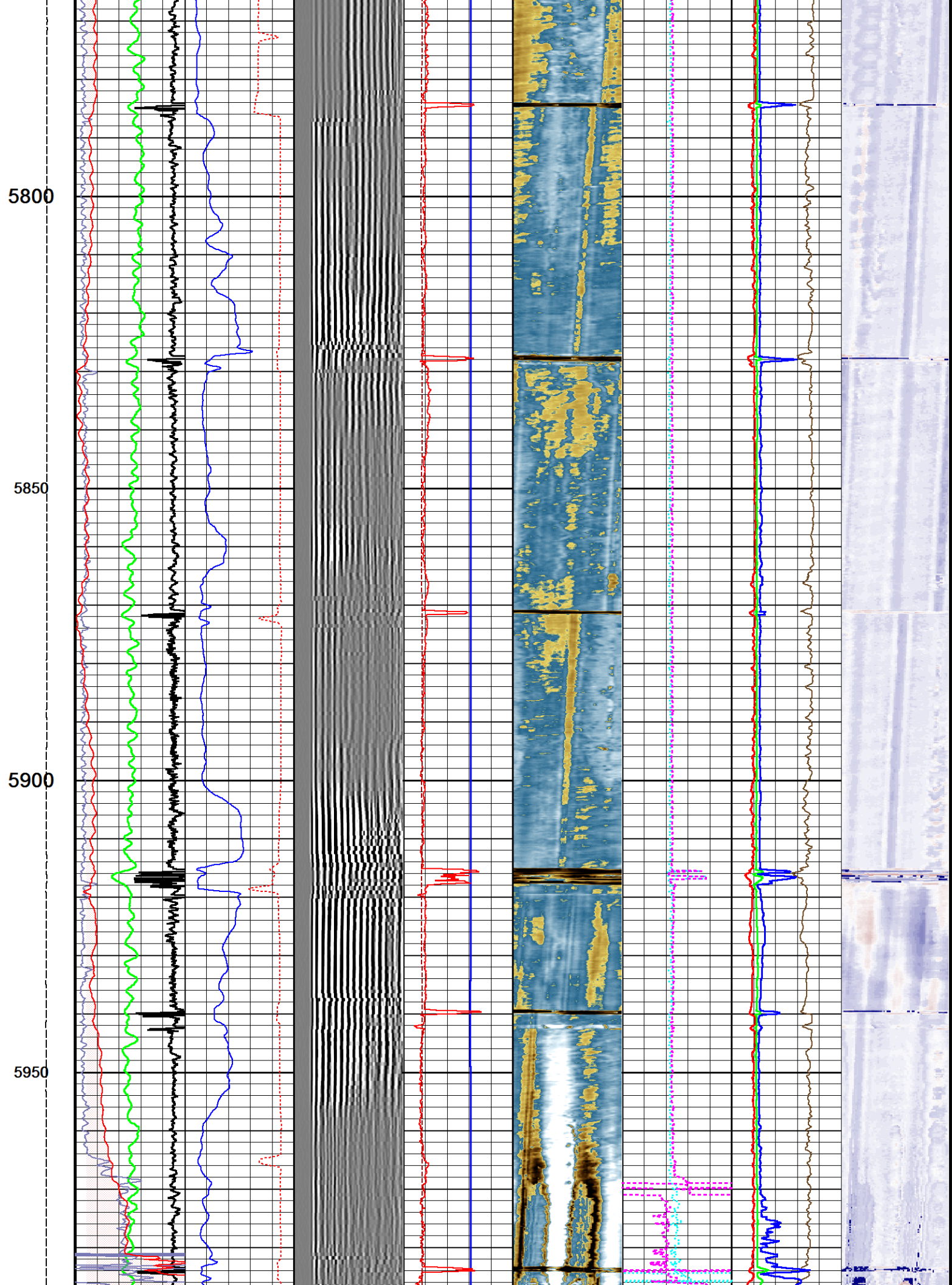
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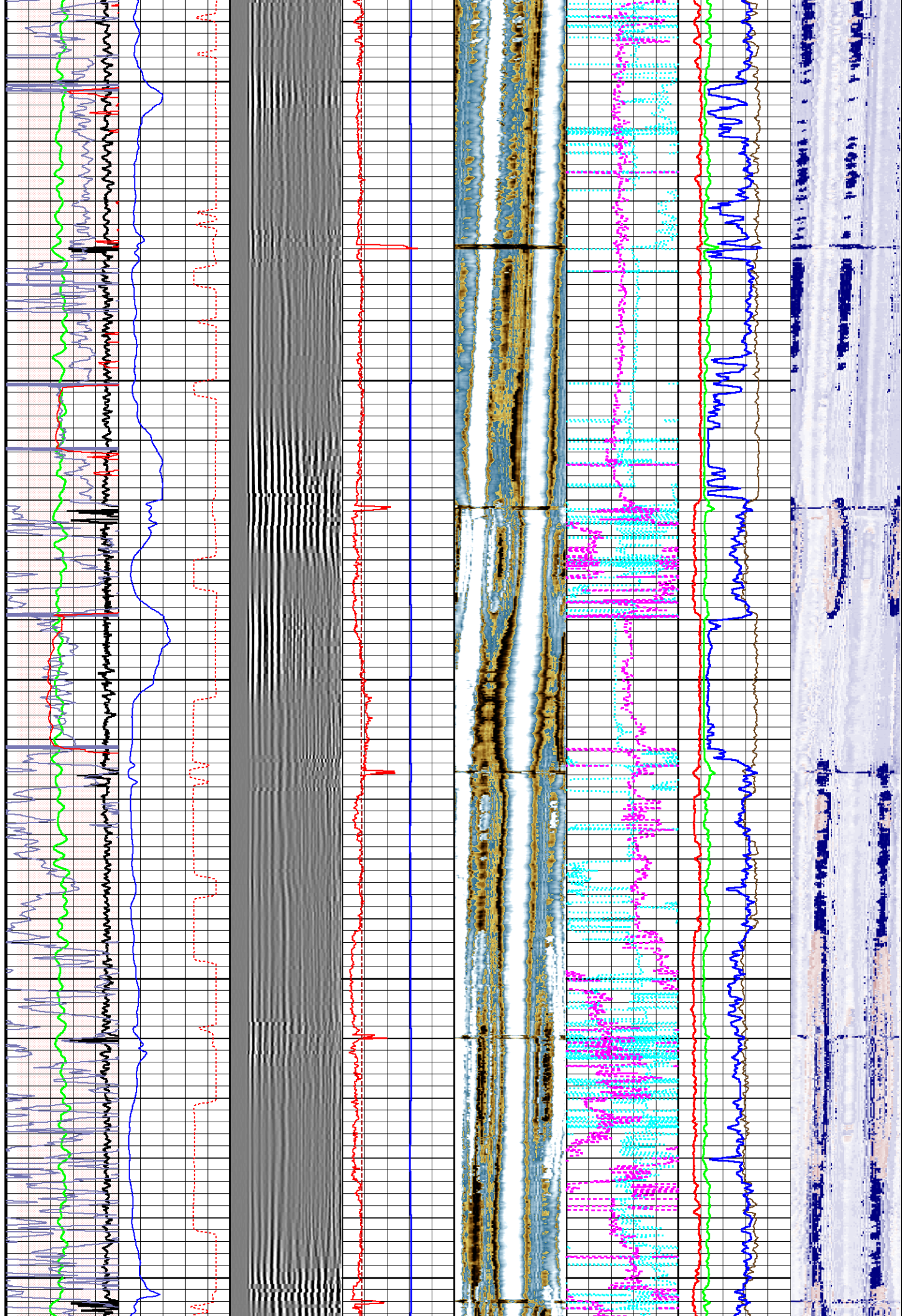
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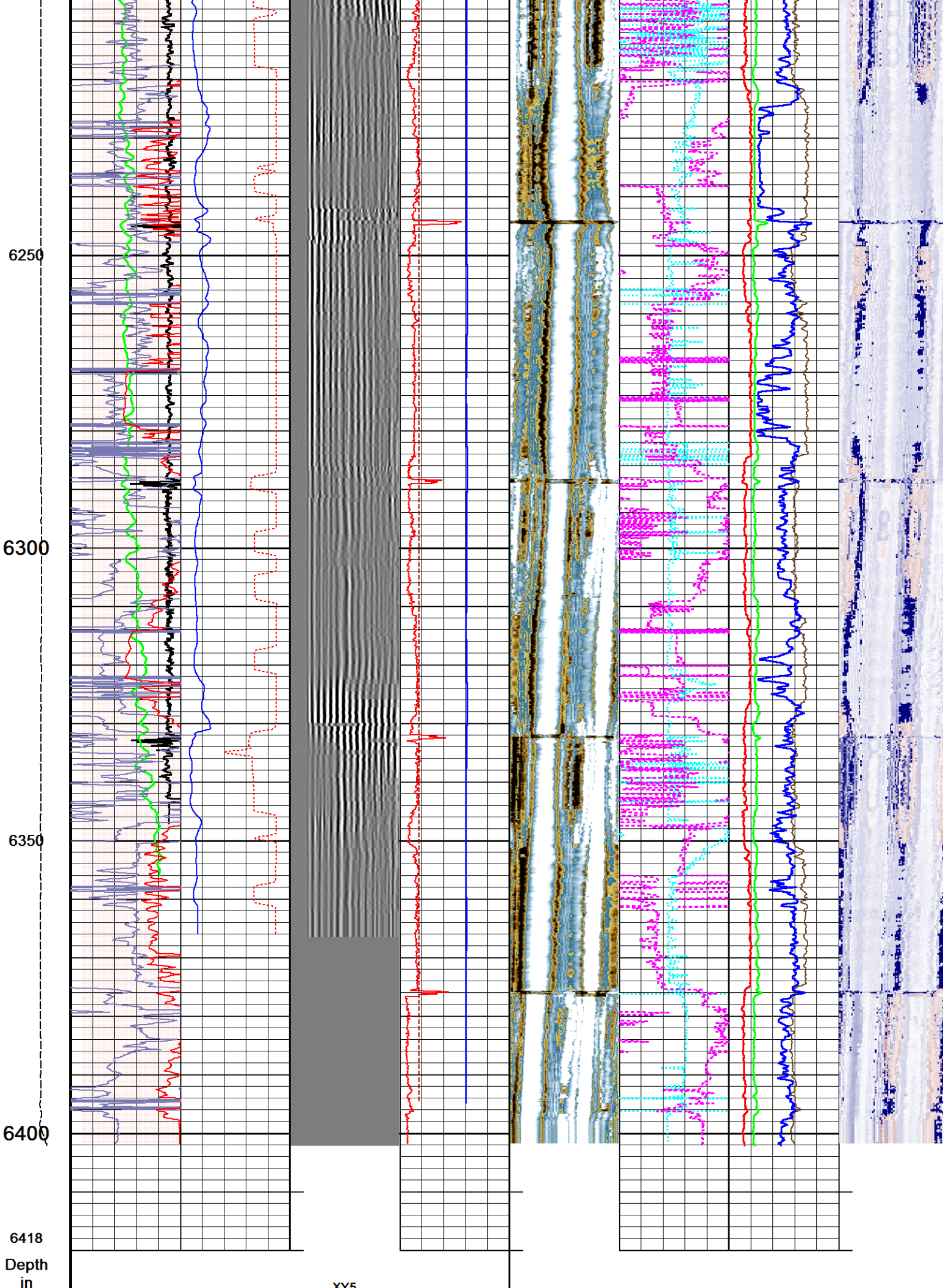






6000
6050
6100
6150
6200





Replay
Scale
1:240

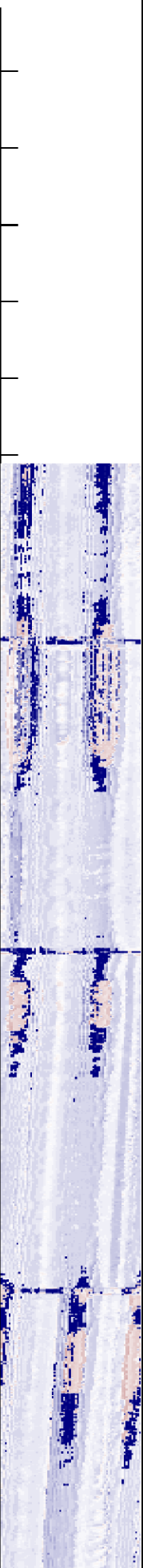
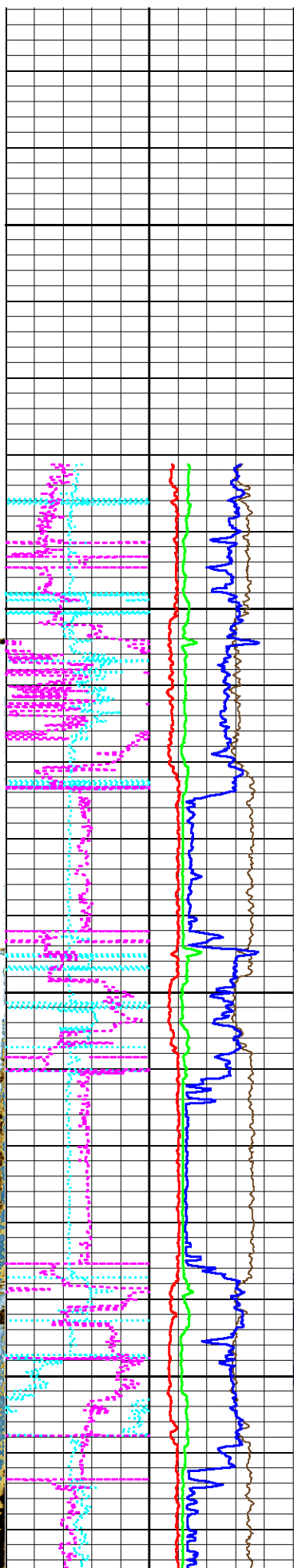
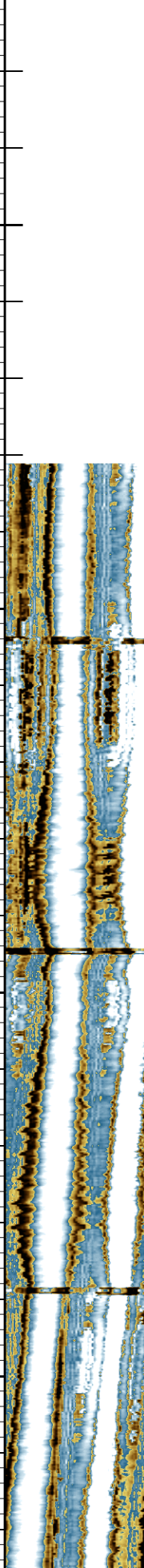
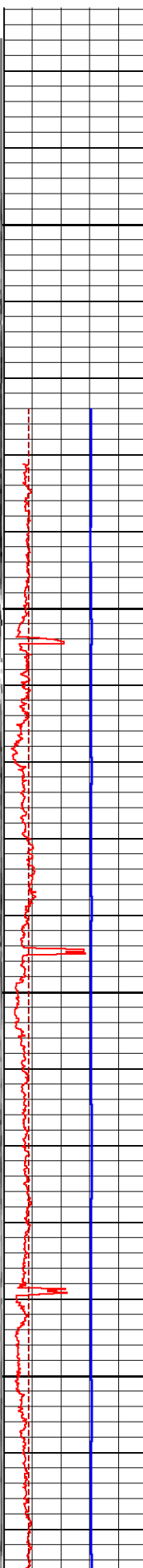
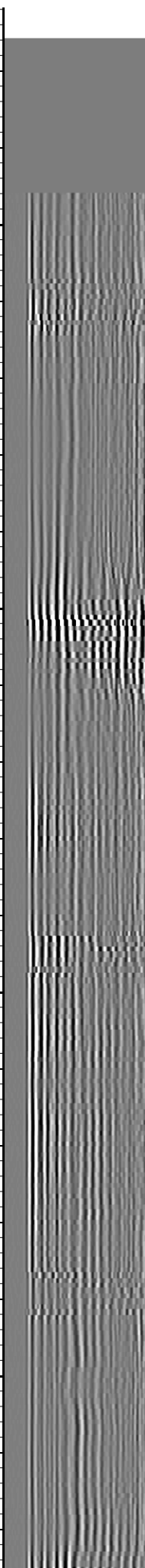
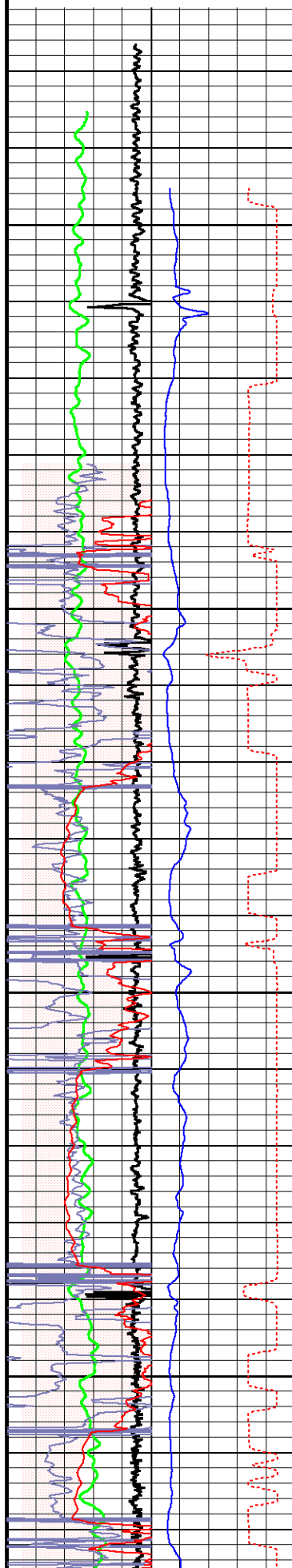
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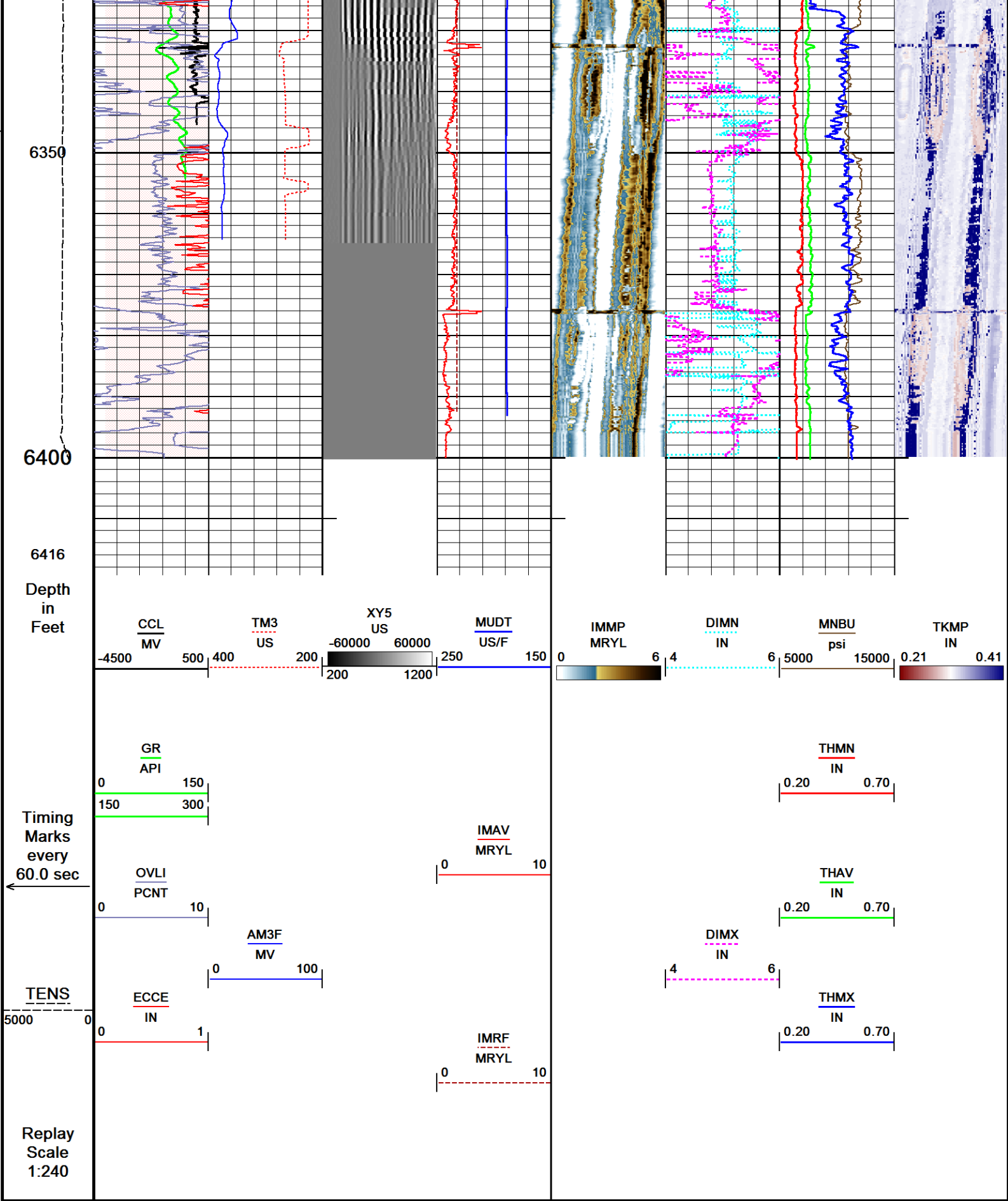
6150

6200

6250

6300





Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 04-APR-2019 14:00

Filename: C:\Users\197426\Desktop\LOGS\BONANZA CREEK\ANTELOPE E14...\REPEAT PASS.dta

Recorded on 04-APR-2019 10:42

System Versions: Logged with 18.05.3821 Processed with 18.05.7089 Plotted with 18.05.7089

UGR Field Survey Cal UGR-JD 312

Field Calibration on 28-MAR-2019 16:01

Gamma Ray Field Survey Calibration

Tool Type: UGR-JD
Calibrator No: TH038

Serial No: 312

Background	Calibrator	Standard	Units
89.6	575.0	140.0	CPS

Delta Counts Per Sec: 485.4

CPS/API = 3.467

CBT Field Calibration CBT-AA 109

Field Calibration on 01-APR-2019 10:22

Cement Bond Tool Amplitude Field Calibration

Tool Type CBT-AA

Serial No 109

Free Pipe Depth

Sensor	Description	Standard(mV)	Measured(mV)
AMP 3 FT	100 % Bond	3.10	0.00
	Free Pipe	72.00	930.80
AMP 5 FT	100 % Bond	0.30	0.00
	Free Pipe	48.00	540.60

CBT Constants CBT-AA 109

Last Edited on 01-APR-2019 10:43

Min Ampl 100% Bond	3.10 MV
Max Ampl 0% Bond	72.00 MV
Cement Cmpr Strength	1000 PSI
Casing Size	5.50 IN
Casing Weight	17.0 LB/F
Casing Velocity	57.00 US/F
DT Fluid	200.0 US/F
Maximum Attenuation	13.50 DB/F
3' TT Correction	0.0 US
Cement Weight	0.00 LB/G

DOWNHOLE EQUIPMENT

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

Casing Collar Locator, 55 pin
CCL-WA 206 LG: 3.01 ft WT: 19.8 lb OD: 2.756 in

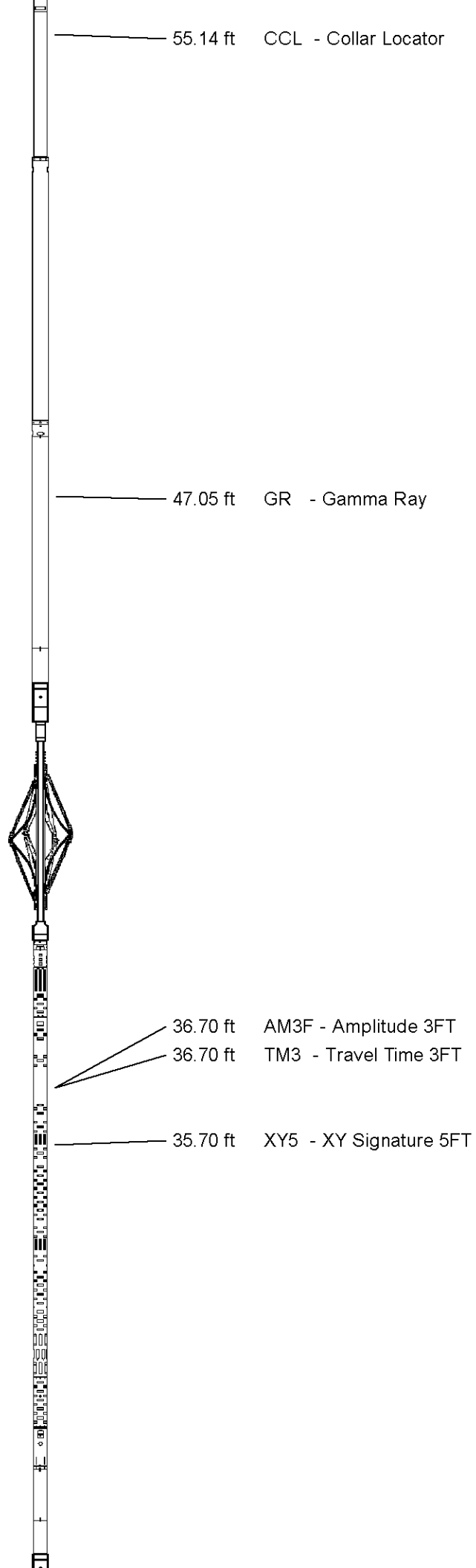
Communication Cartridge 55pin 3-3/8in
WCC-DA 151 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

Gamma Ray
UGR-JD 312 LG: 4.60 ft WT: 81.6 lb OD: 3.386 in

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

Cement Bond Tool
CBT-AA 109 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in

55 pin Roller Centralizer



55 pin Roller Centralizer
CEN-XA 196 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

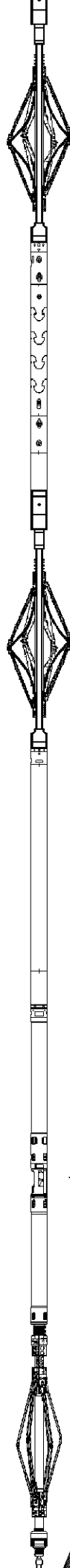
55 pin Roller Centralizer
CEN-XA 215 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

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

URS Sonde Section
USS-AB 192 LG: 9.65 ft WT: 167.6 lb OD: 3.386 in

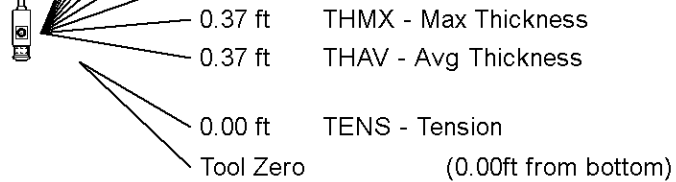
Ultrasonic Radial Scanner Head A
USH-AB 125 LG: 1.03 ft WT: 13.2 lb OD: 3.386 in

Total Length: 58.06 ft Weight: 954.6 lb



7.65 ft IMRF - Mud Impedance
7.65 ft MUDT - Mud Slowness

0.37 ft IMMP - Impd Map
0.37 ft IMAV - Avg Impedance
0.37 ft ECCE - Eccentering
0.37 ft OVLI - ID Ovality
0.37 ft DIMX - Max Diameter
0.37 ft DIMN - Min Diameter
0.37 ft MNBU - Min Burst
0.37 ft TKMP - Thickness Map
0.37 ft THMN - Min Thickness



All measurements relative to tool zero.

COMPANY	BONANZA CREEK ENERGY
WELL	ANTELOPE E14-20-17 XRLNC
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	UNITED STATES / COLORADO

Elevation Kelly Bushing	4682	feet	Bottom Log Interval	6400.00	feet
Elevation Drill Floor		feet	Depth Driller		feet
Elevation Ground Level	4665	feet	Depth Logger	6400.00	feet



SECUREVIEW
ULTRAVIEW / BONDVIEW
LOG

Weatherford®