SECUREVIEW
ULTRAVIEW / BONDVIEW
LOG

COMPANY	BONANZA CREEK ENERGY
WELL	NORTH PLATTE K21-35-2MRLNC
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	UNITED STATES / COLORADO
LOCATION	500' FSL & 2552' FEL

SEC 26	TWP 5N	RGE 63W	Other Services
Latitude			MSC
Longitude			
API Number	05-123-46388		

Permanent Datum GL, Elevation 4550 feet
Log Measured From KB, 17.00 feet above Permanent Datum
Drilling Measured From KB

Elevations:	feet
KB	4567.00
DF	4567.00
GL	4550.00

Date	03-JUN-2018	
Run Number	ONE	
Service Order	215229078	
Type Log		
Depth Driller	11467.00	feet
Depth Logger	6200.00	feet
Top Log Interval	0.00	feet
Bottom Log Interval	6200.00	feet
Hole Fluid Type	WATER	
Hole Fluid Level	0.00	feet
Restriction ID	4.892	inches
Max Recorded Temp	203.00	deg F
Well Head Pressure	0.00	psi
Well Head Equipment	5 1/8" 5K	
Time Well Ready	R.O.A	
Time Logger Bottom	SEE LOG	
Unit	14122	
Equipment Name	WSS-E	
Base	CASPER	
Recorded By	J. RICHARDS	
Witnessed By	K. DODGE	

PERFORATION RECORD

Shot Density	Number of Shots	Depth From feet	Depth To feet

CASING / TUBING RECORD

Size inches	Weight pounds/ft	Depth From feet	Depth To feet
9.625	36.00	0.00	1502.00
5.500	17.00	0.00	11467.00

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	1502.00	36.00
PRODUCTION	P 110	LT C	5.500	0.00	11467.00	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 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

DECISIONS CONCERNING THE SERVICES.

MAIN PASS

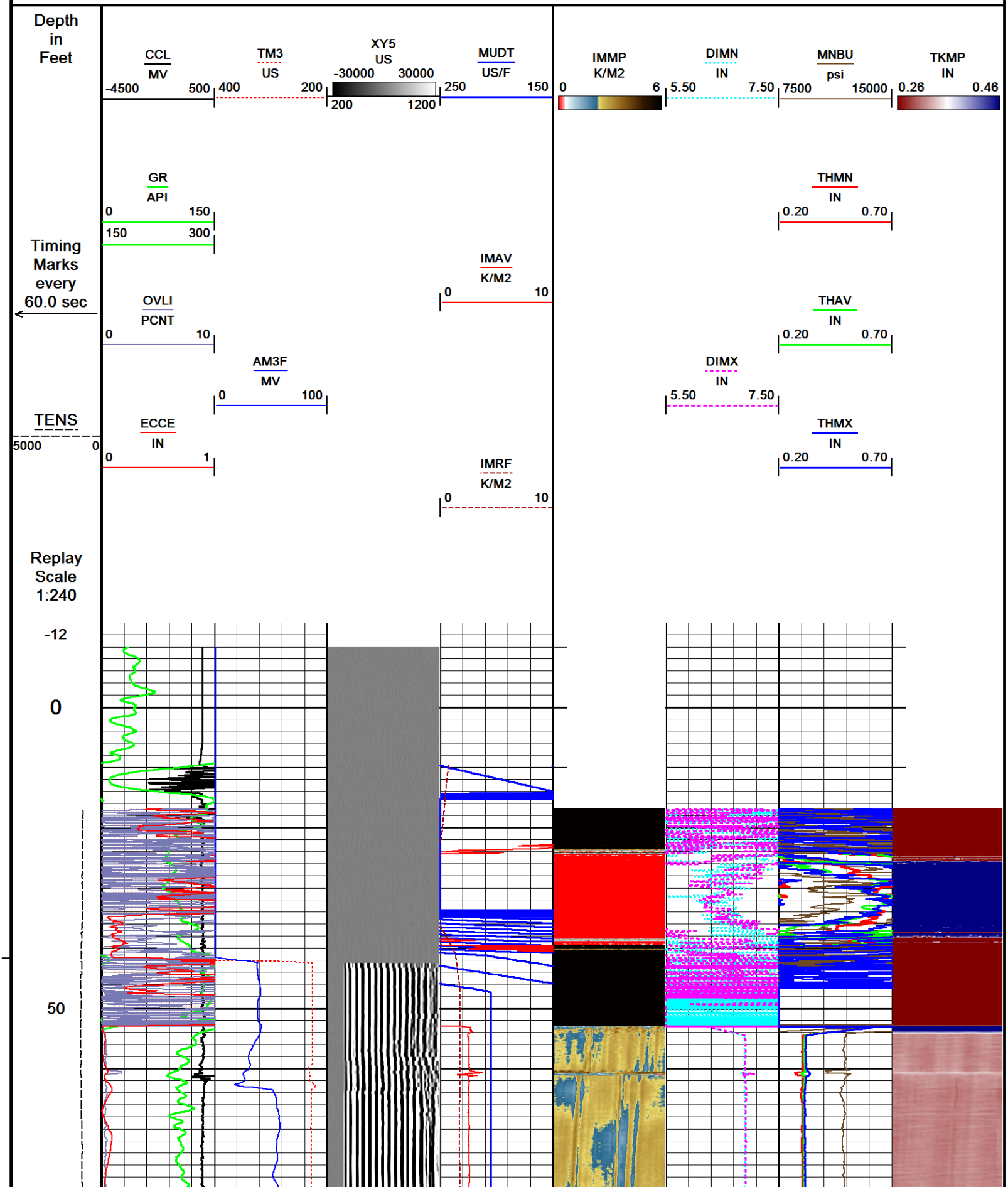
Depth Based Data - Maximum Sampling Increment 2.5cm

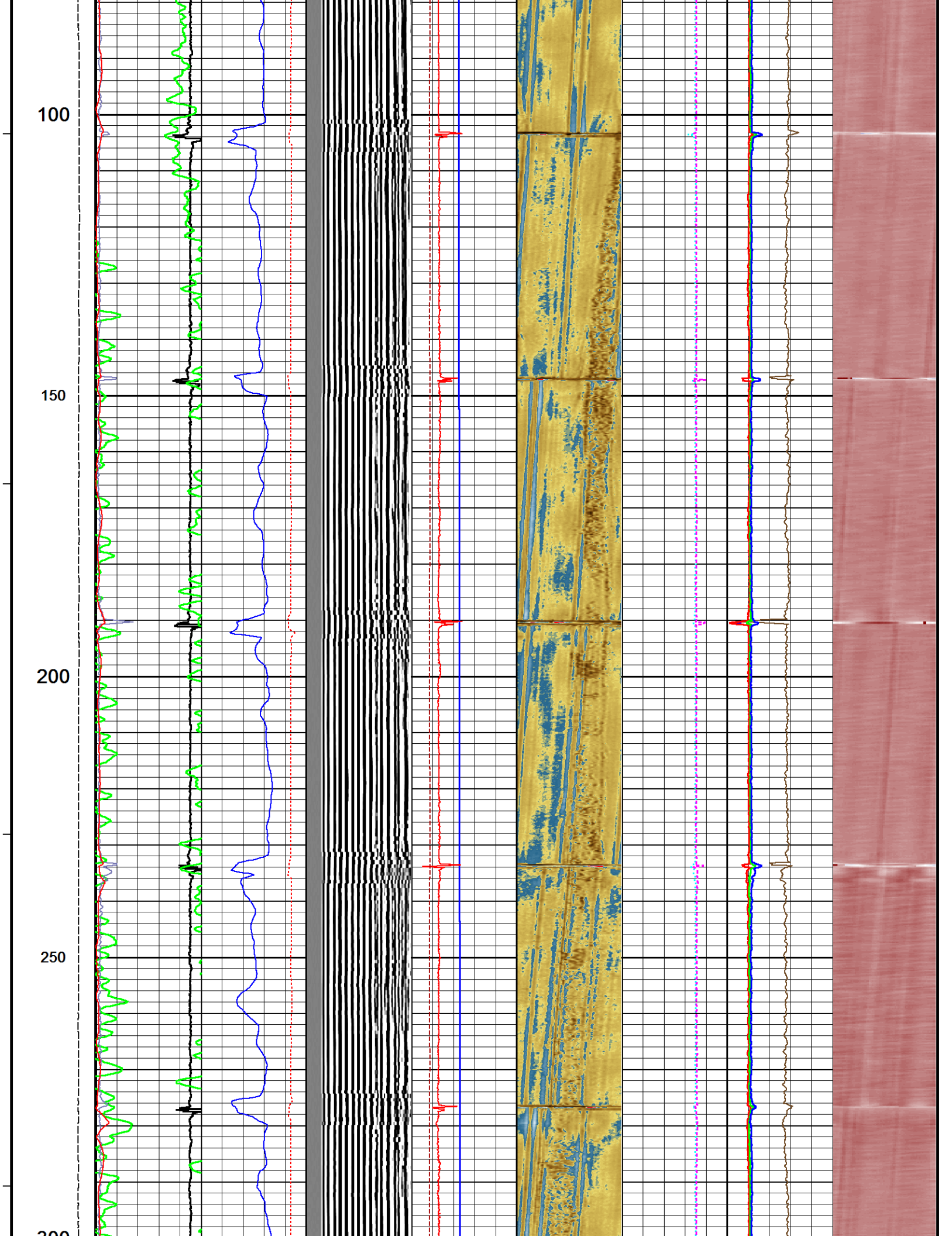
Plotted on 03-JUN-2018 12:52

Filename: C:\Job Data...\BONANZA CREEK_NORTH PLATTE K21-35-2MRLNC_URS-CBT_FINAL.dta

Recorded on 03-JUN-2018 12:18

System Versions: Processed with 18.01.5248 Plotted with 18.01.5248

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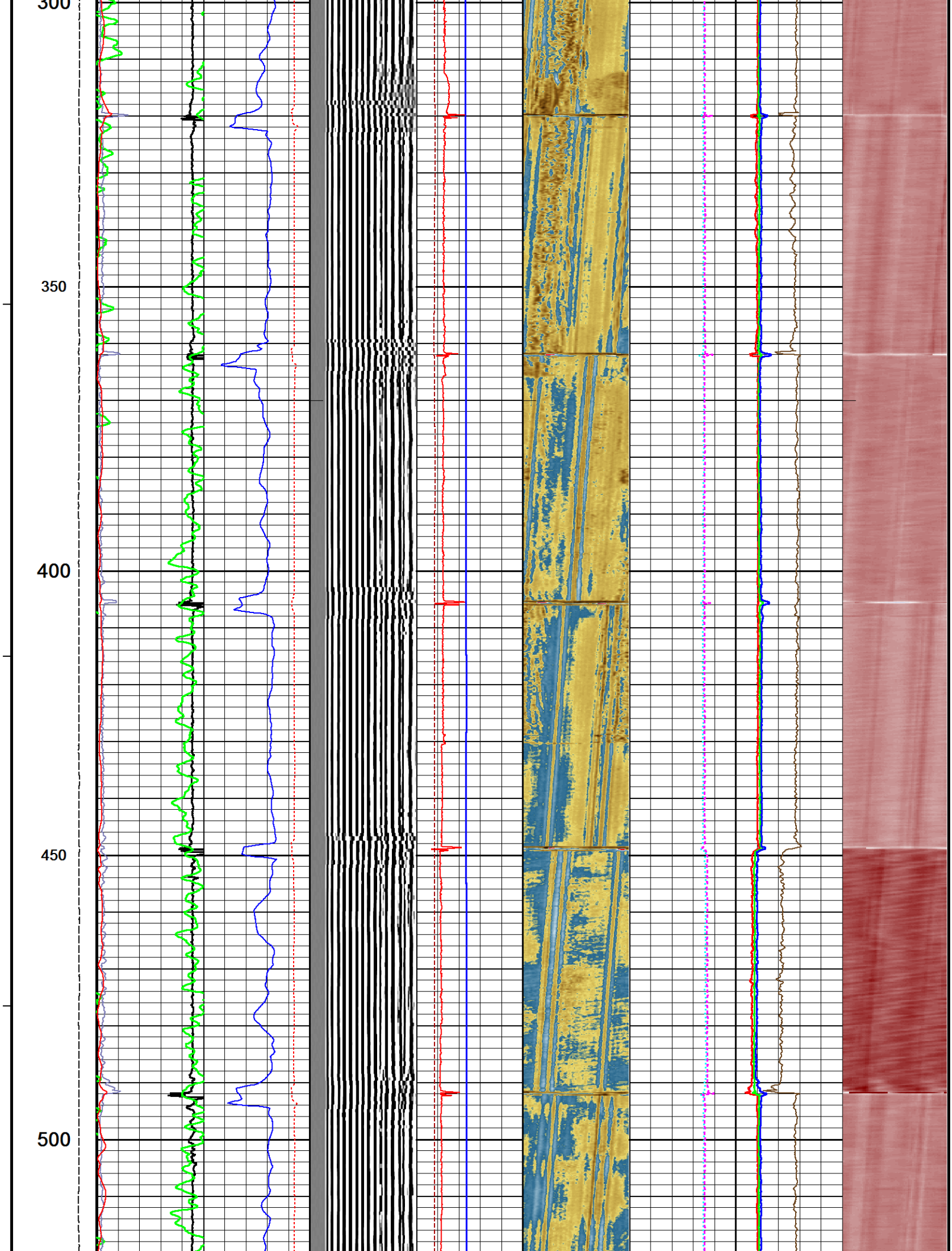
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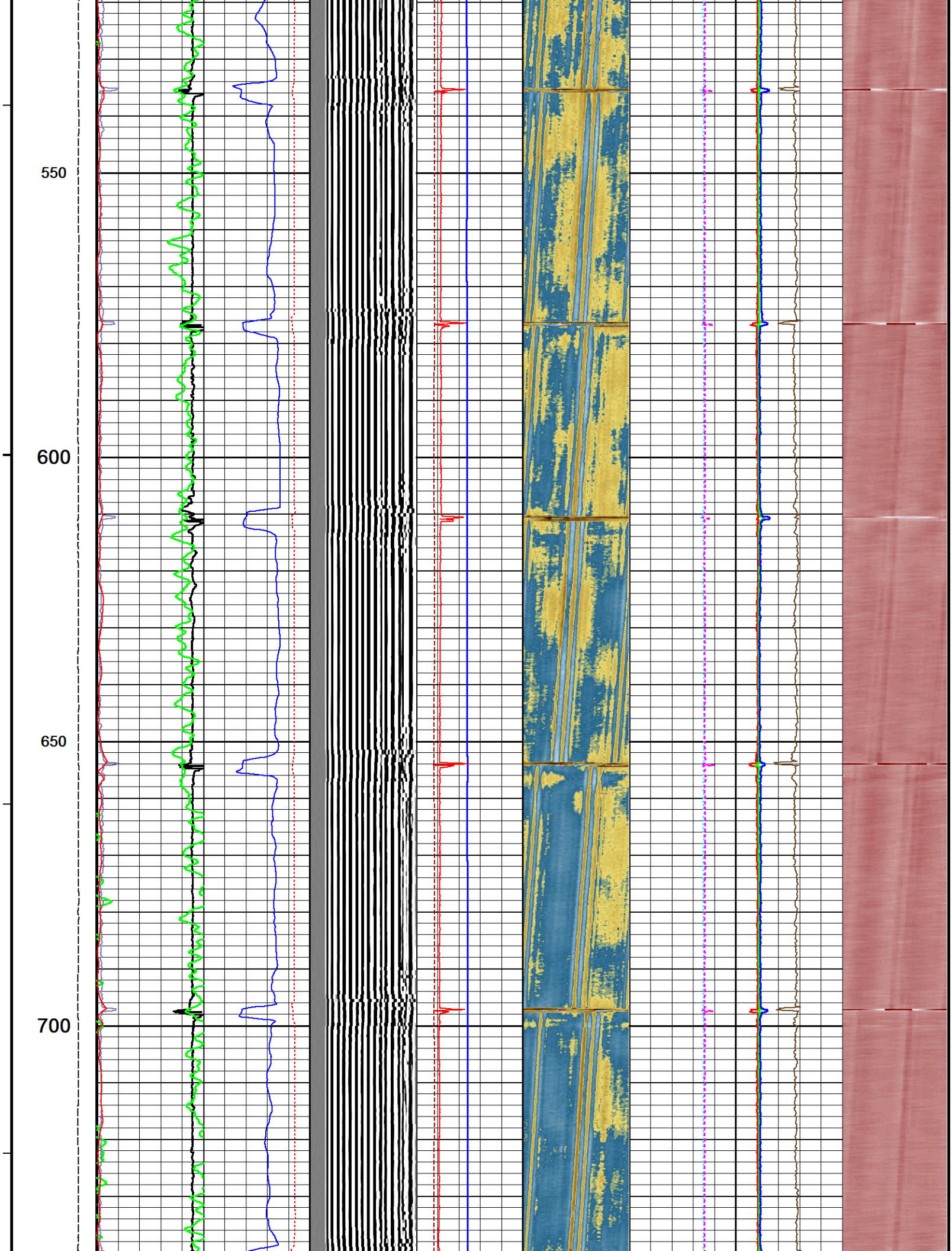
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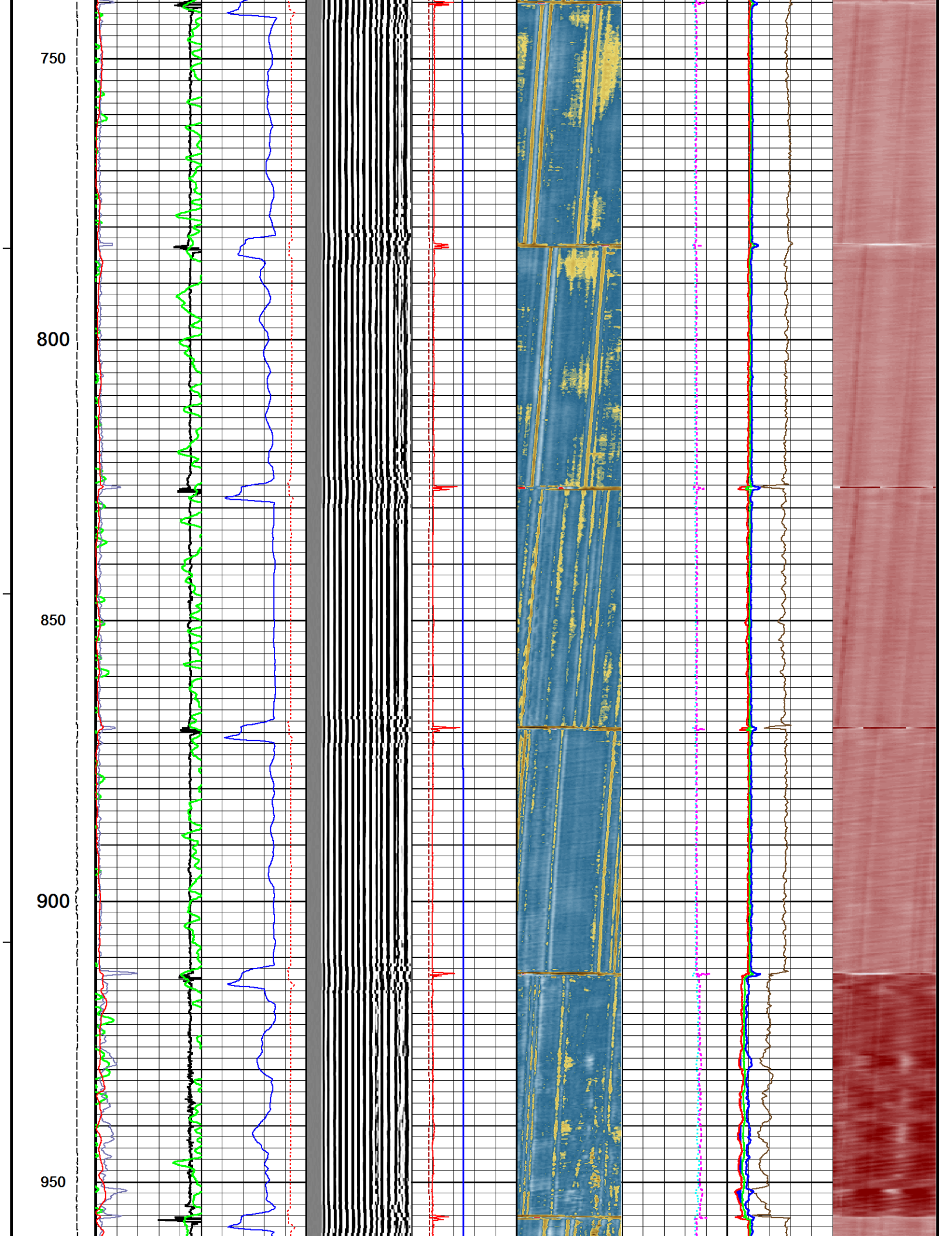
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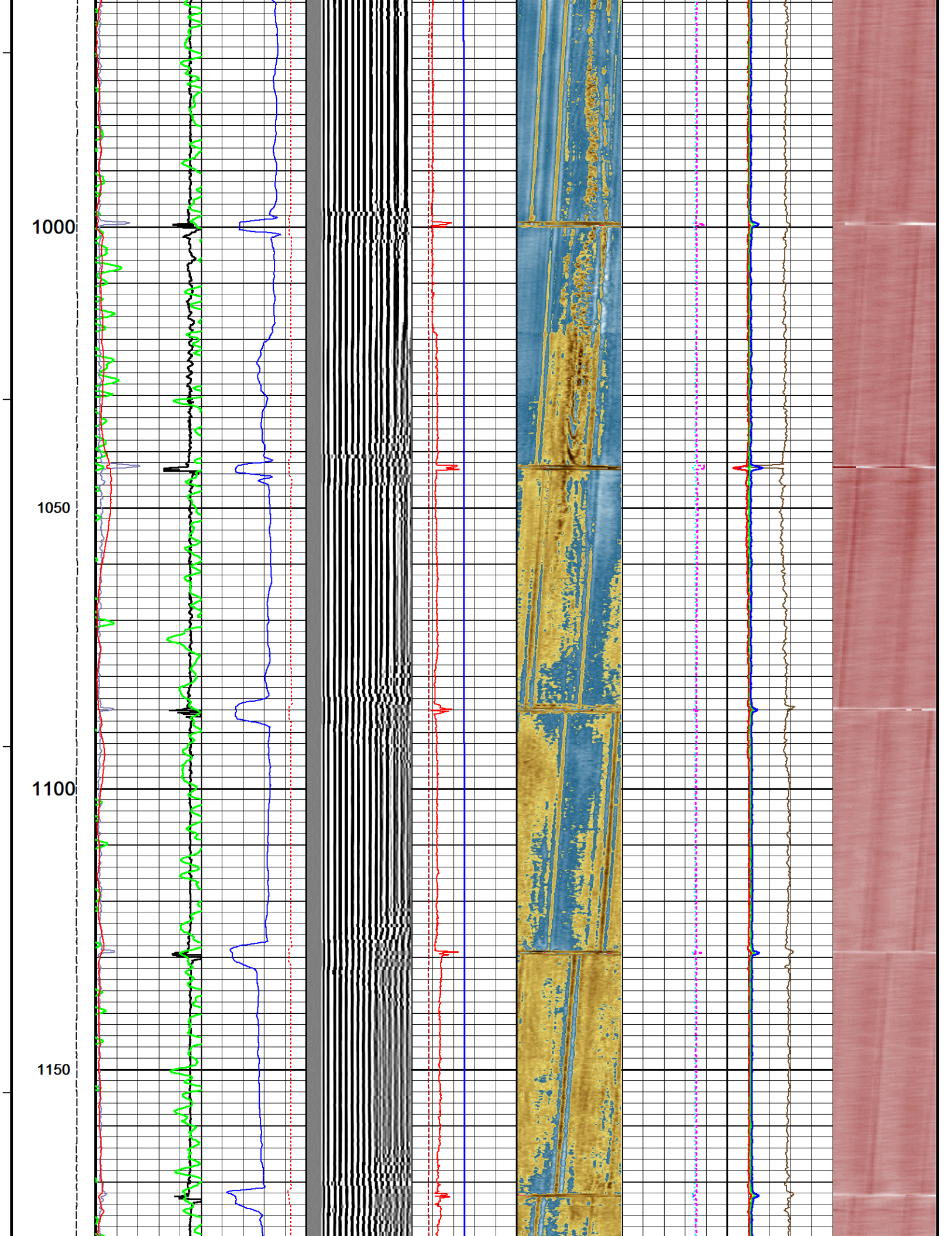
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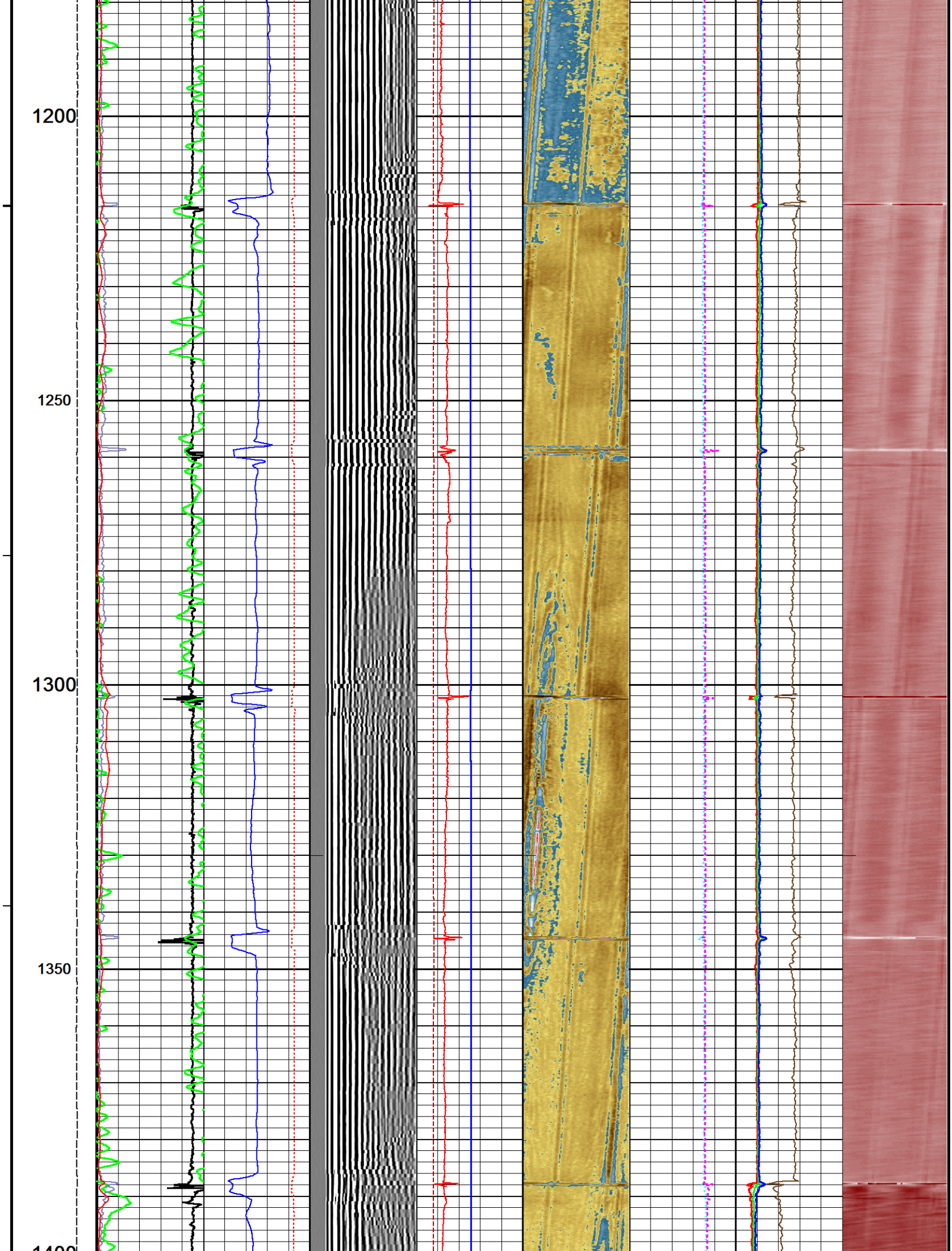
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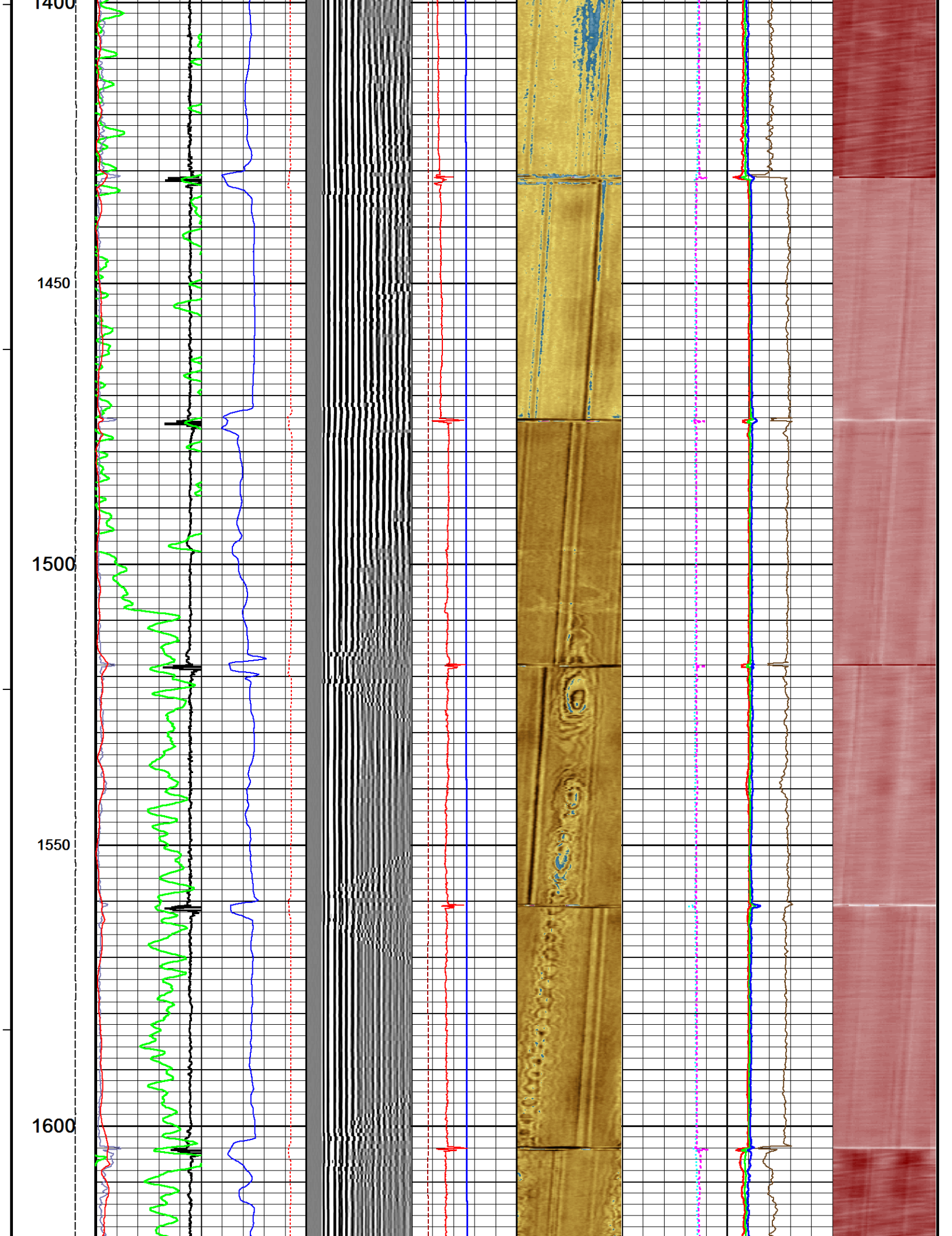
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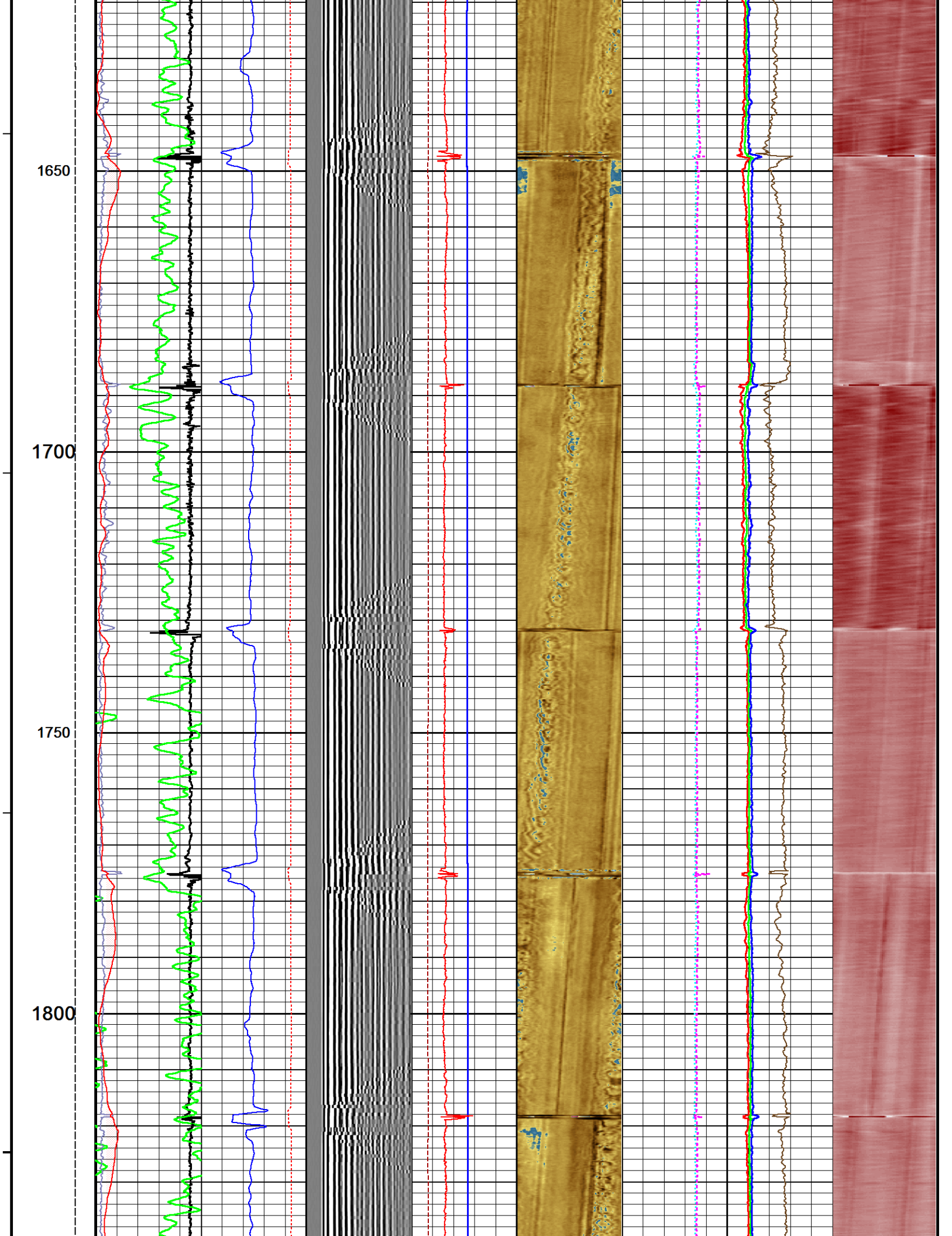
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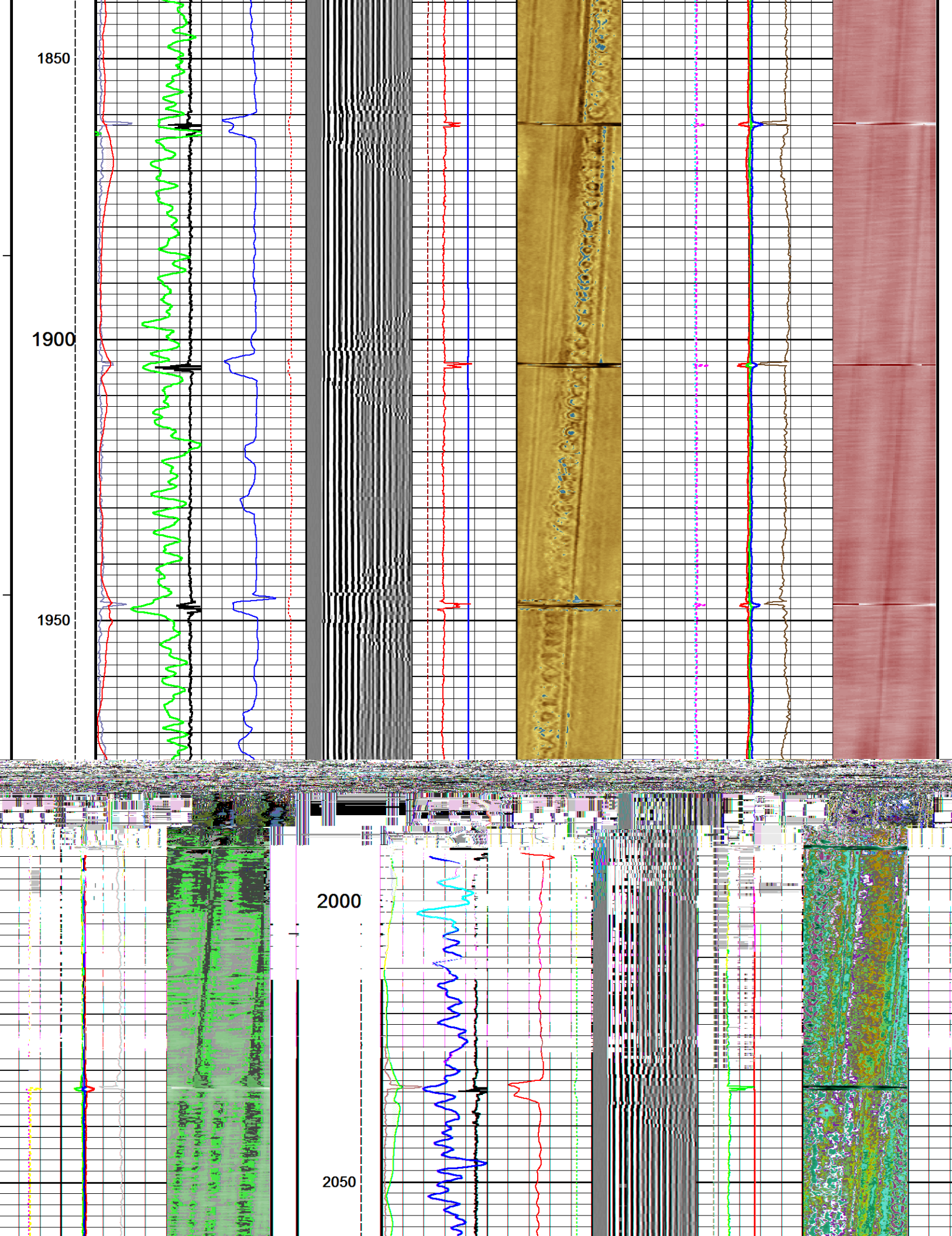
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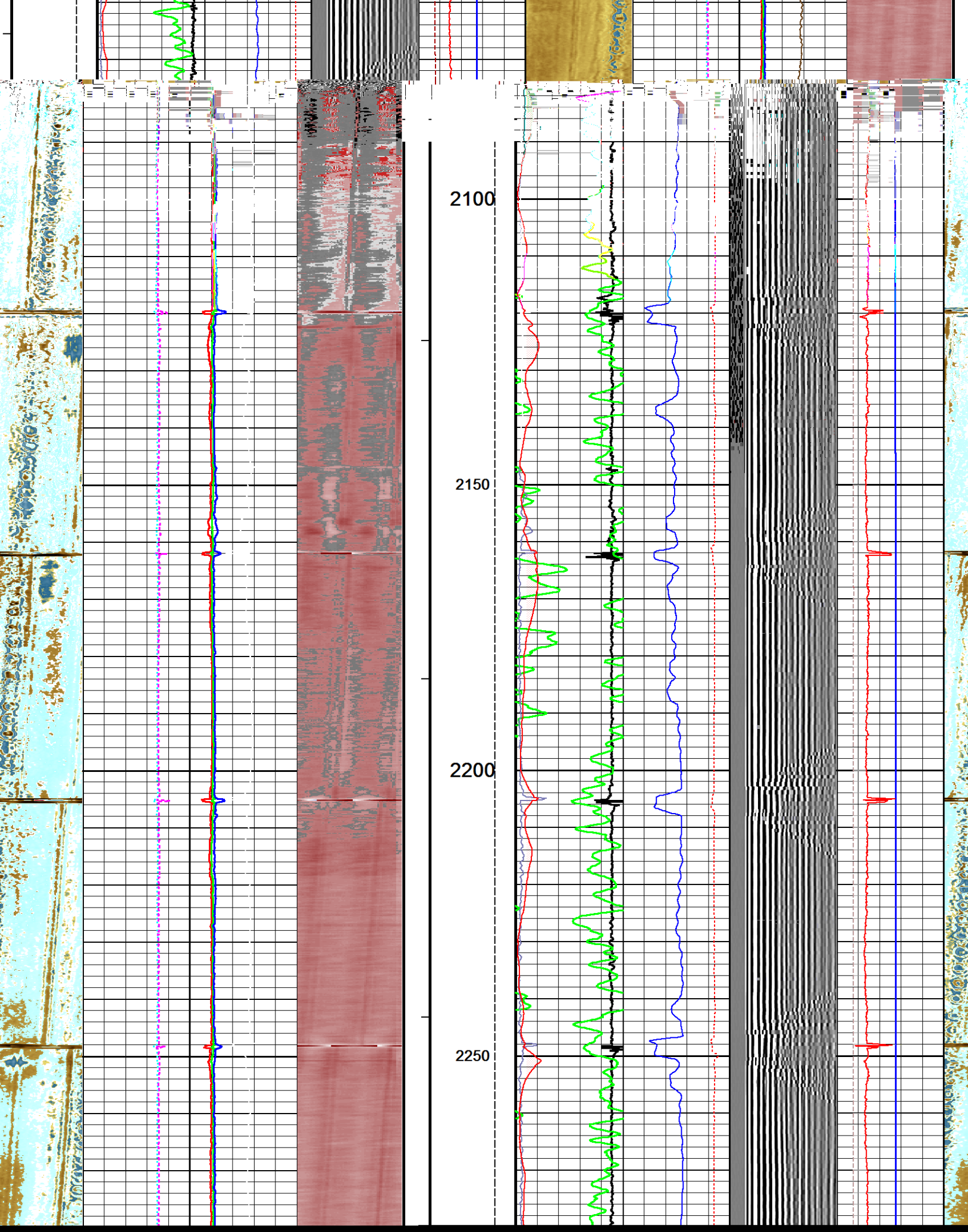
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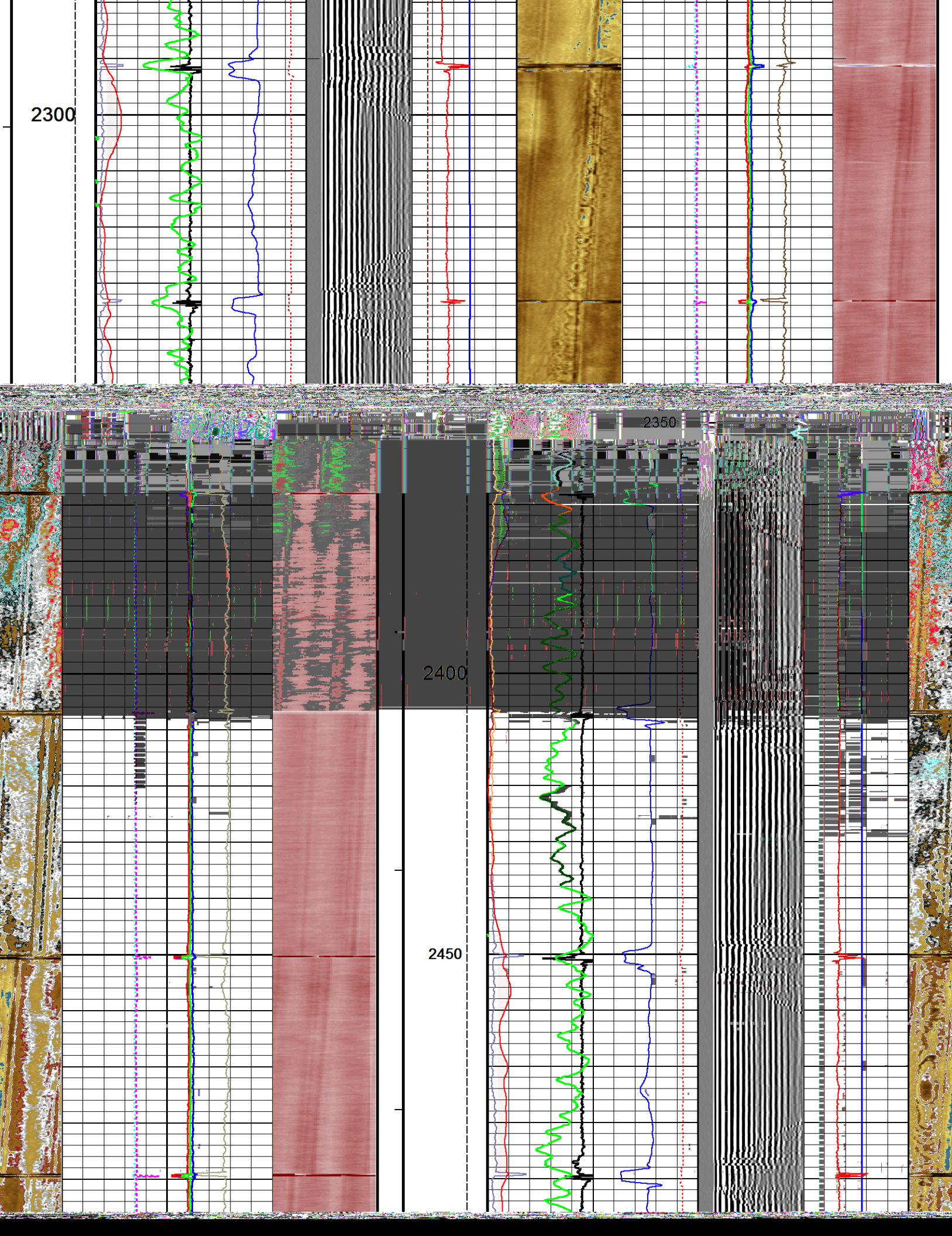
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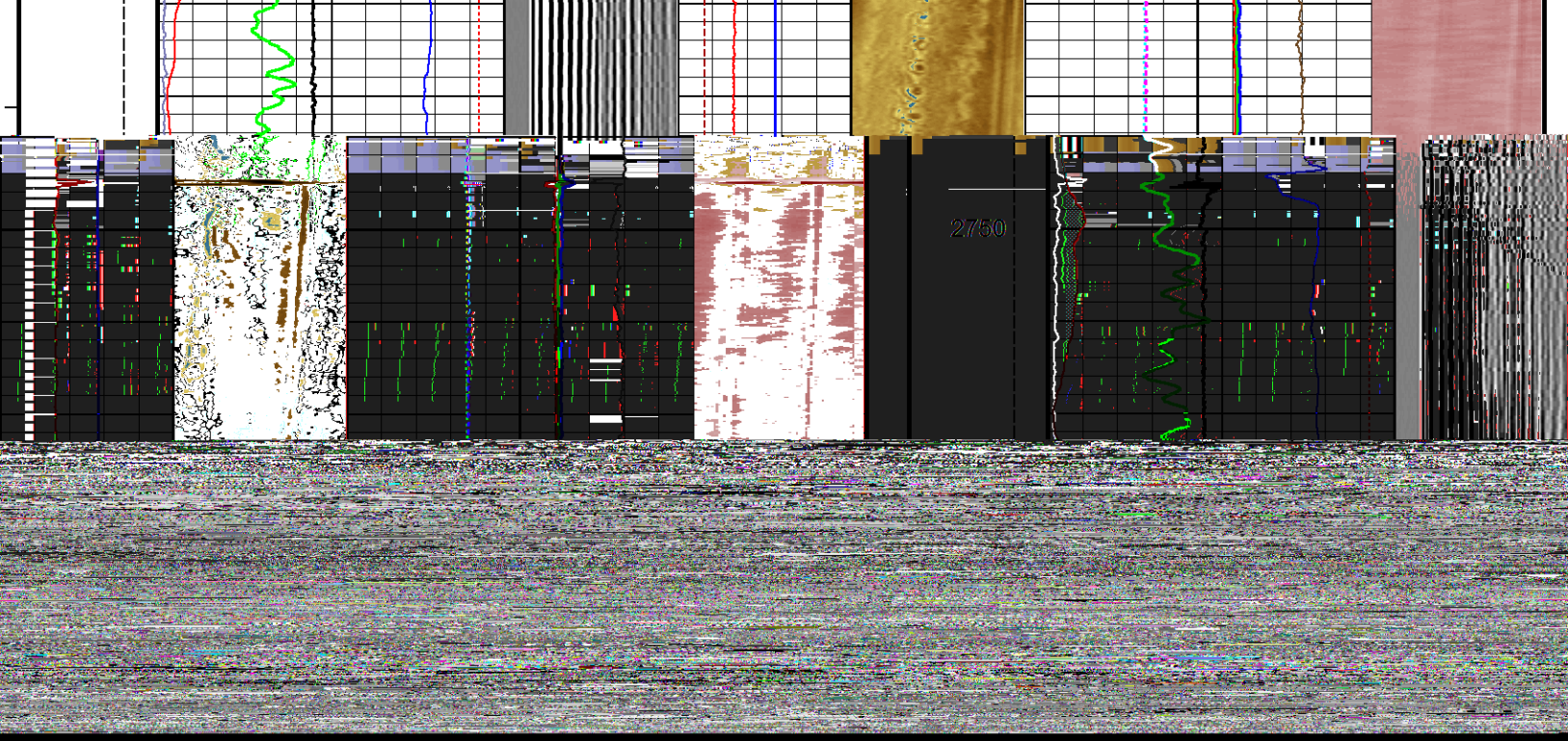
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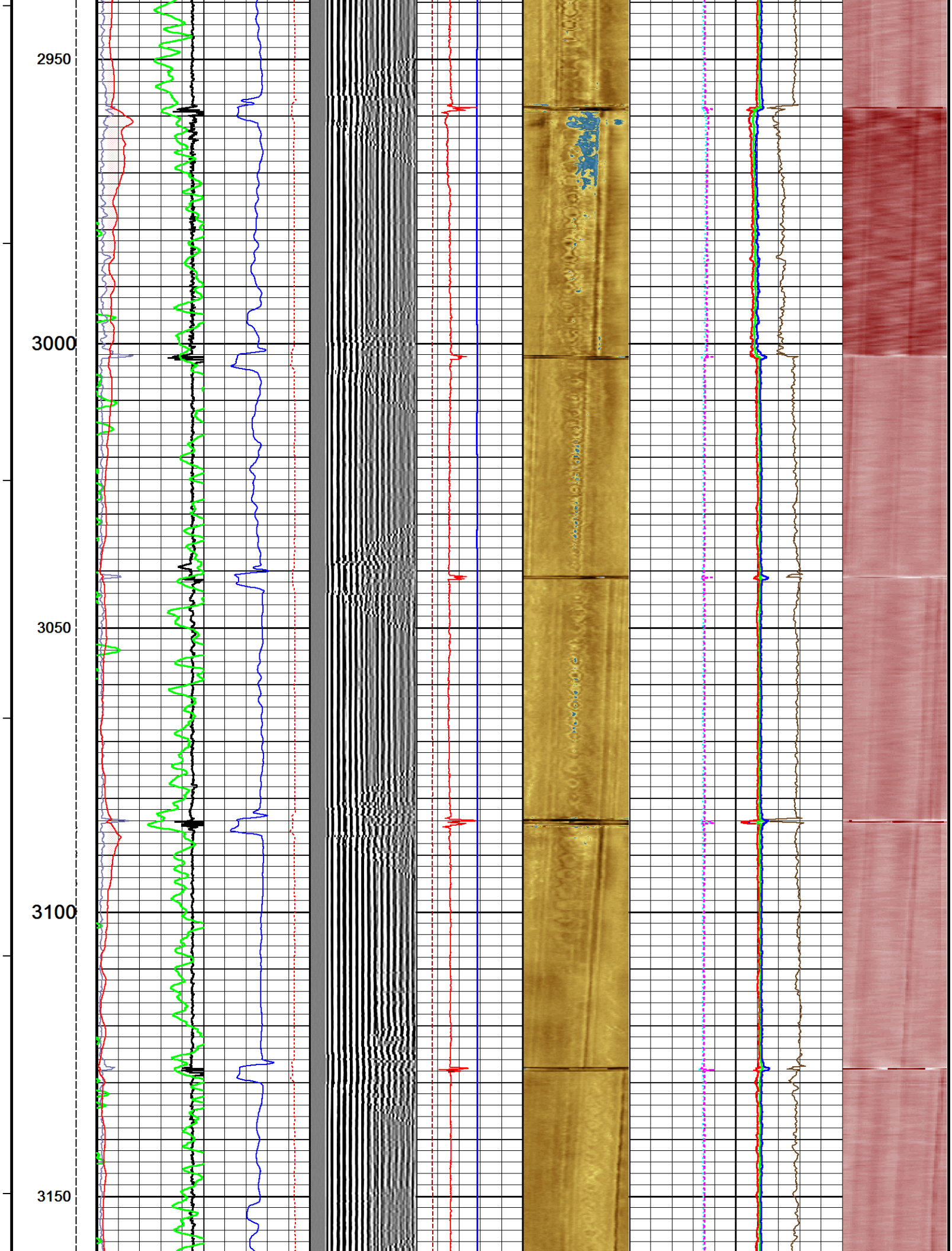
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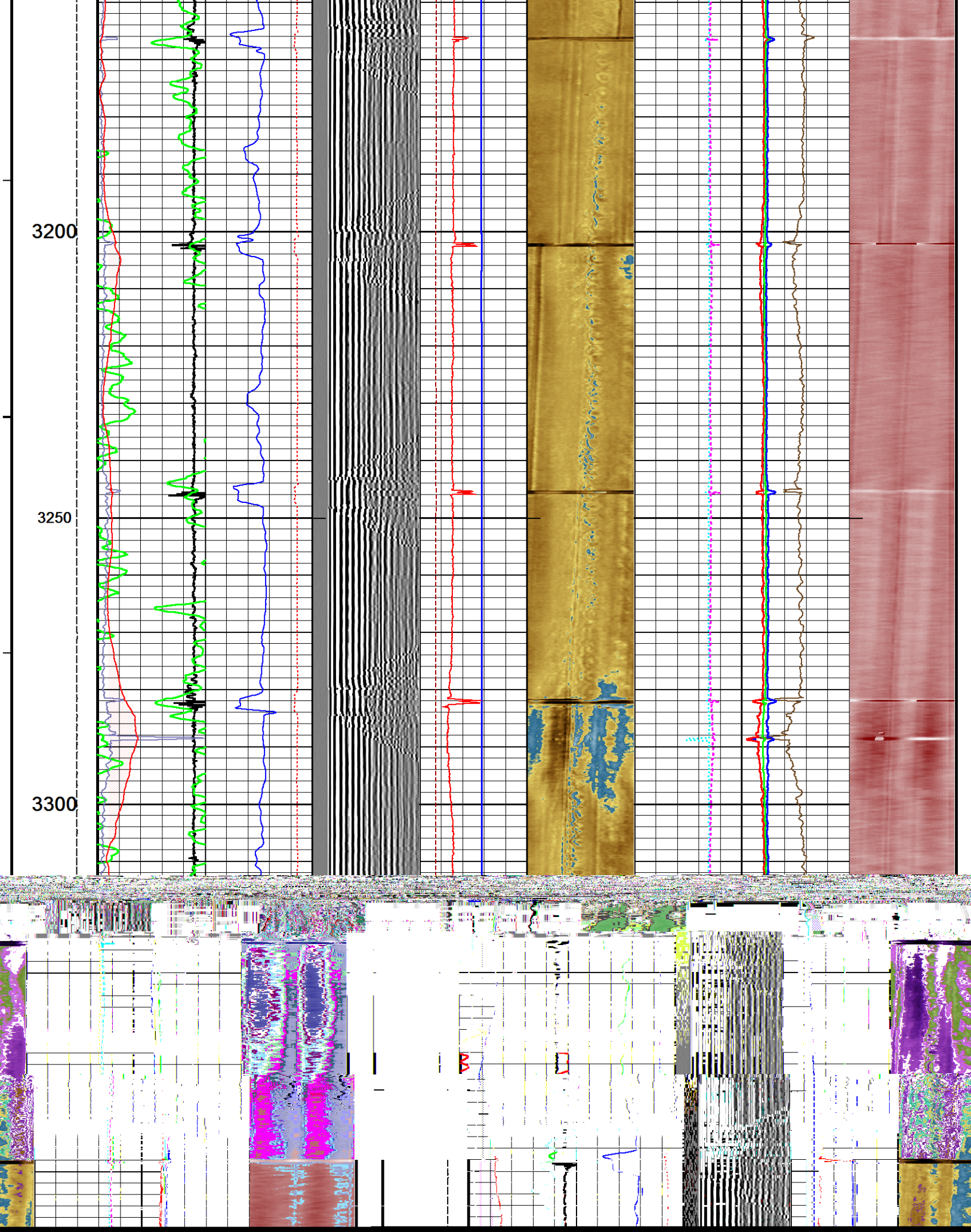
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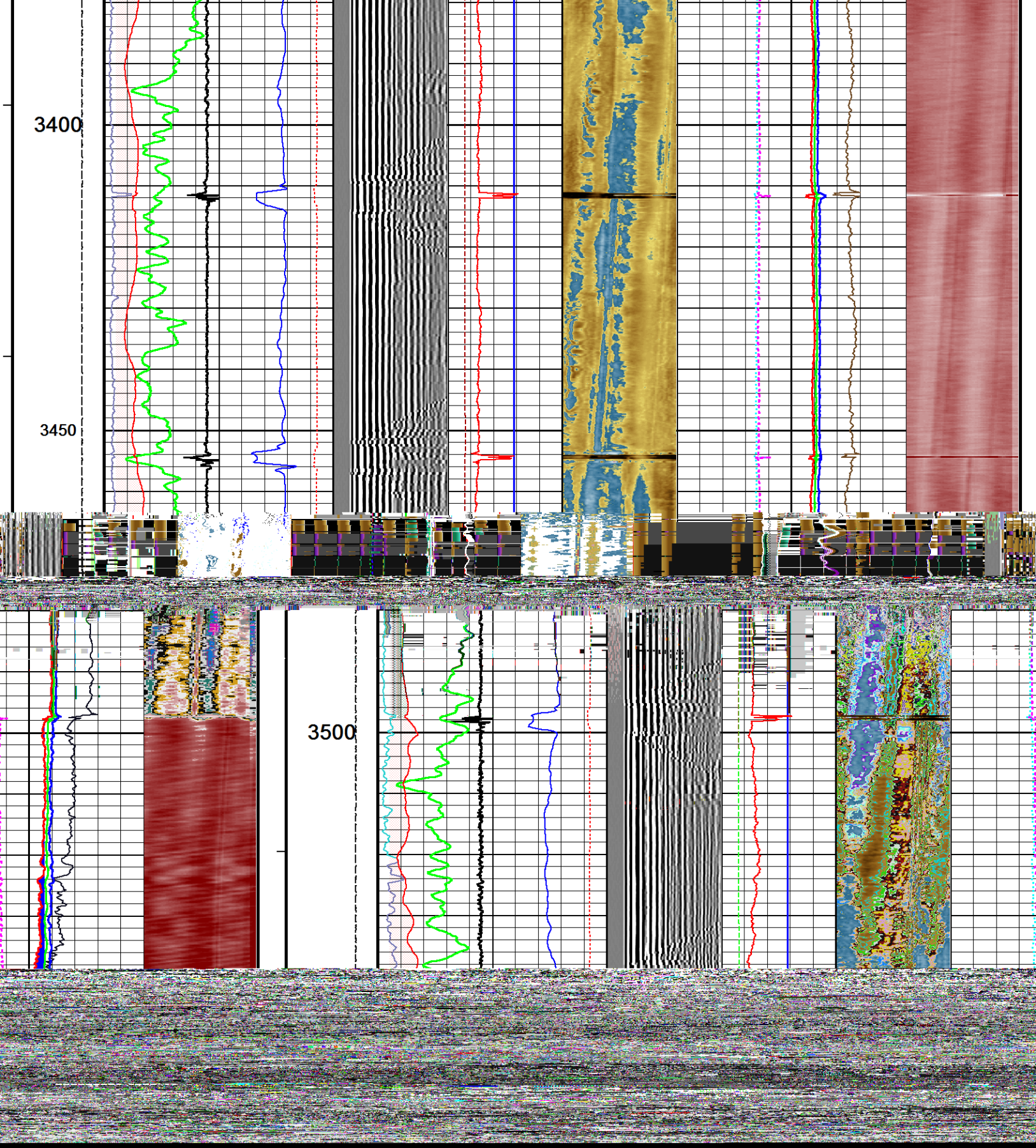
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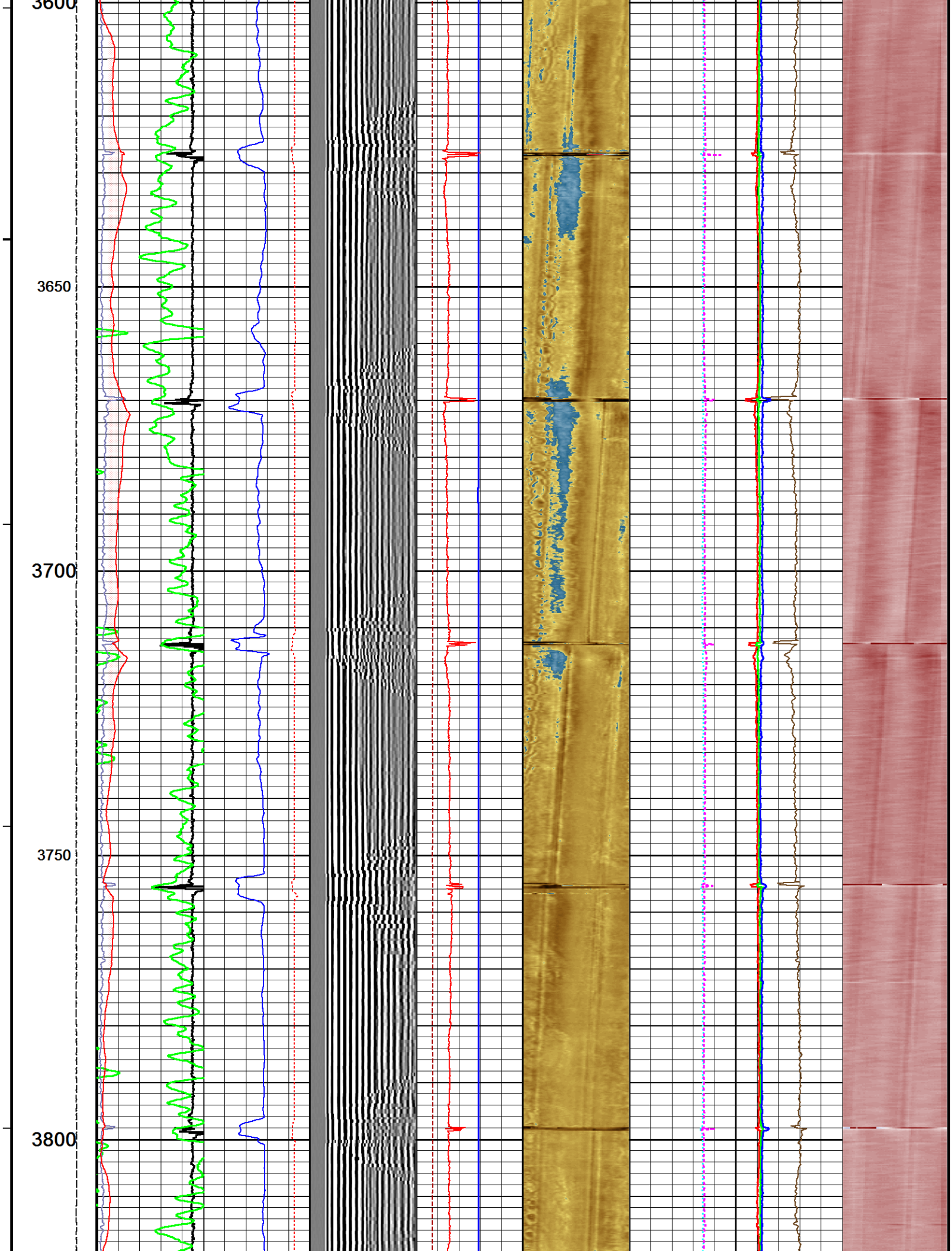
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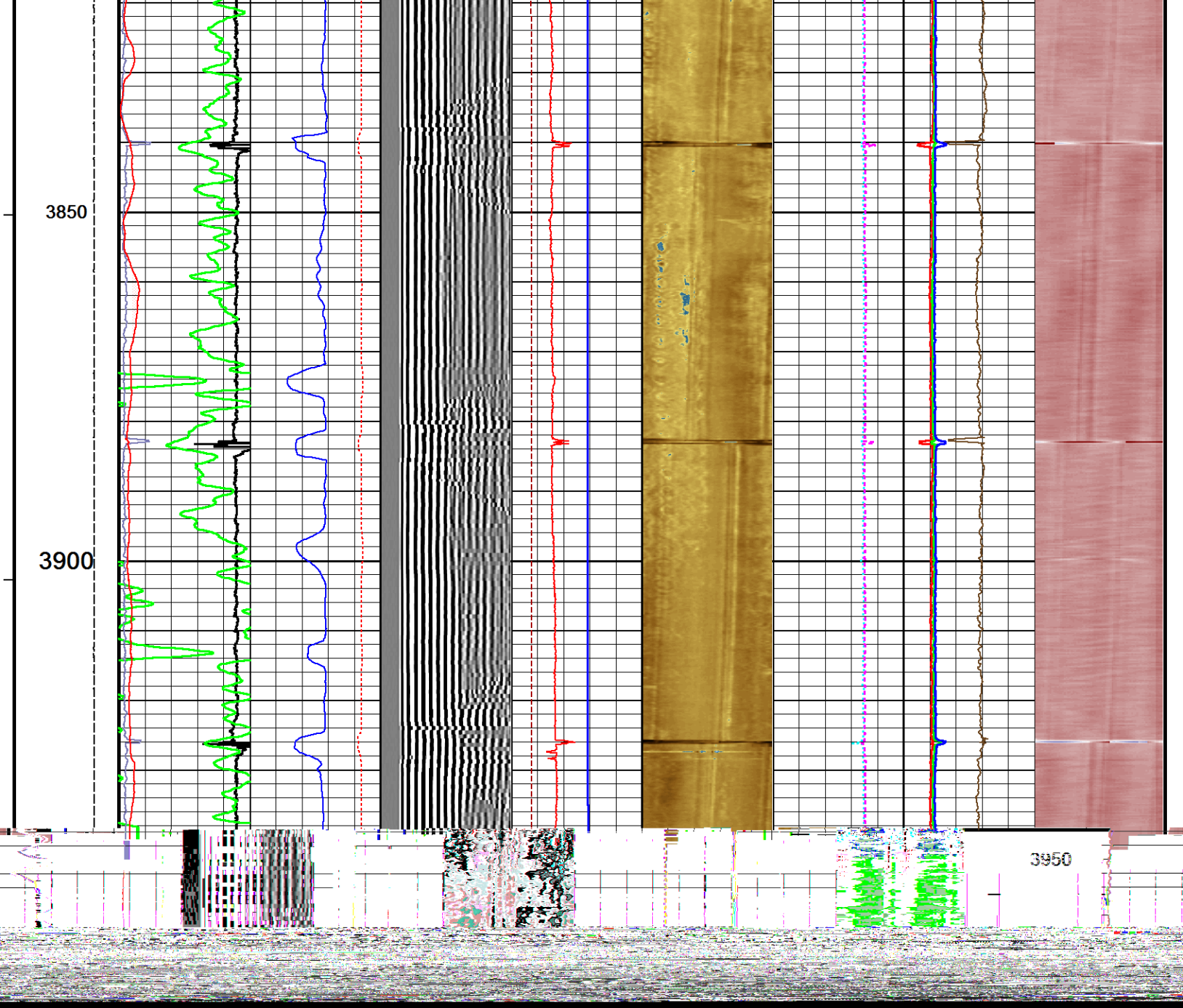
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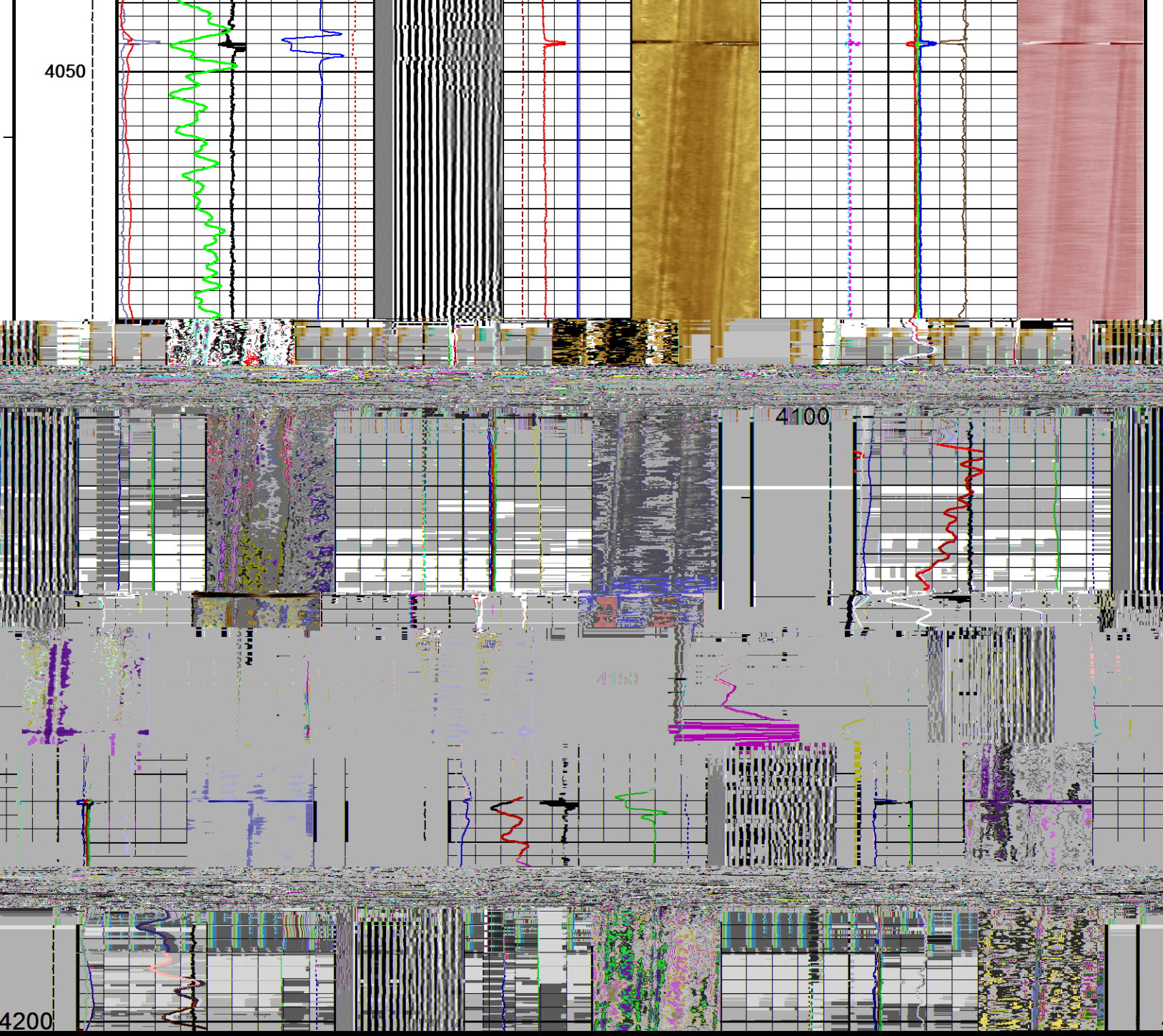
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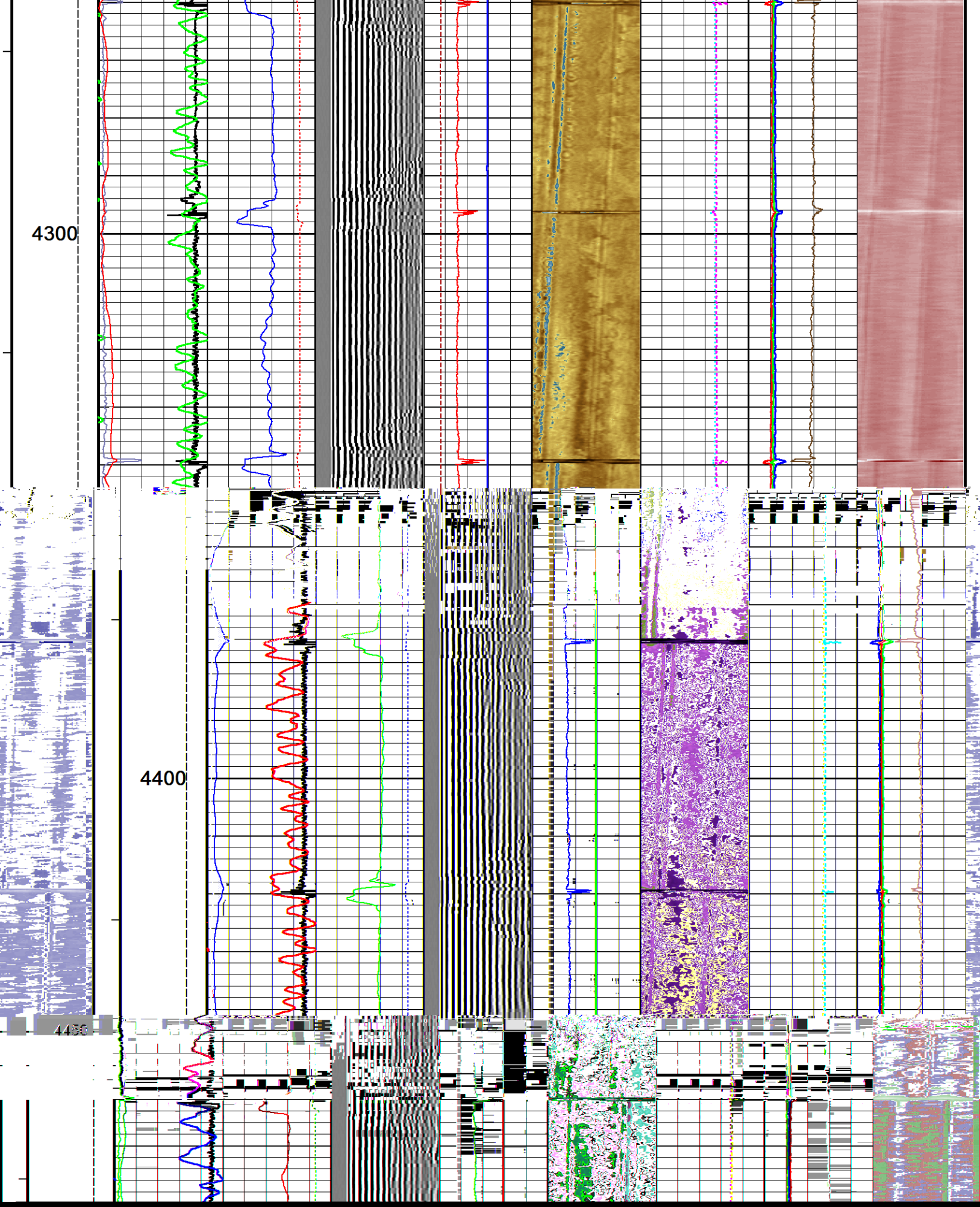
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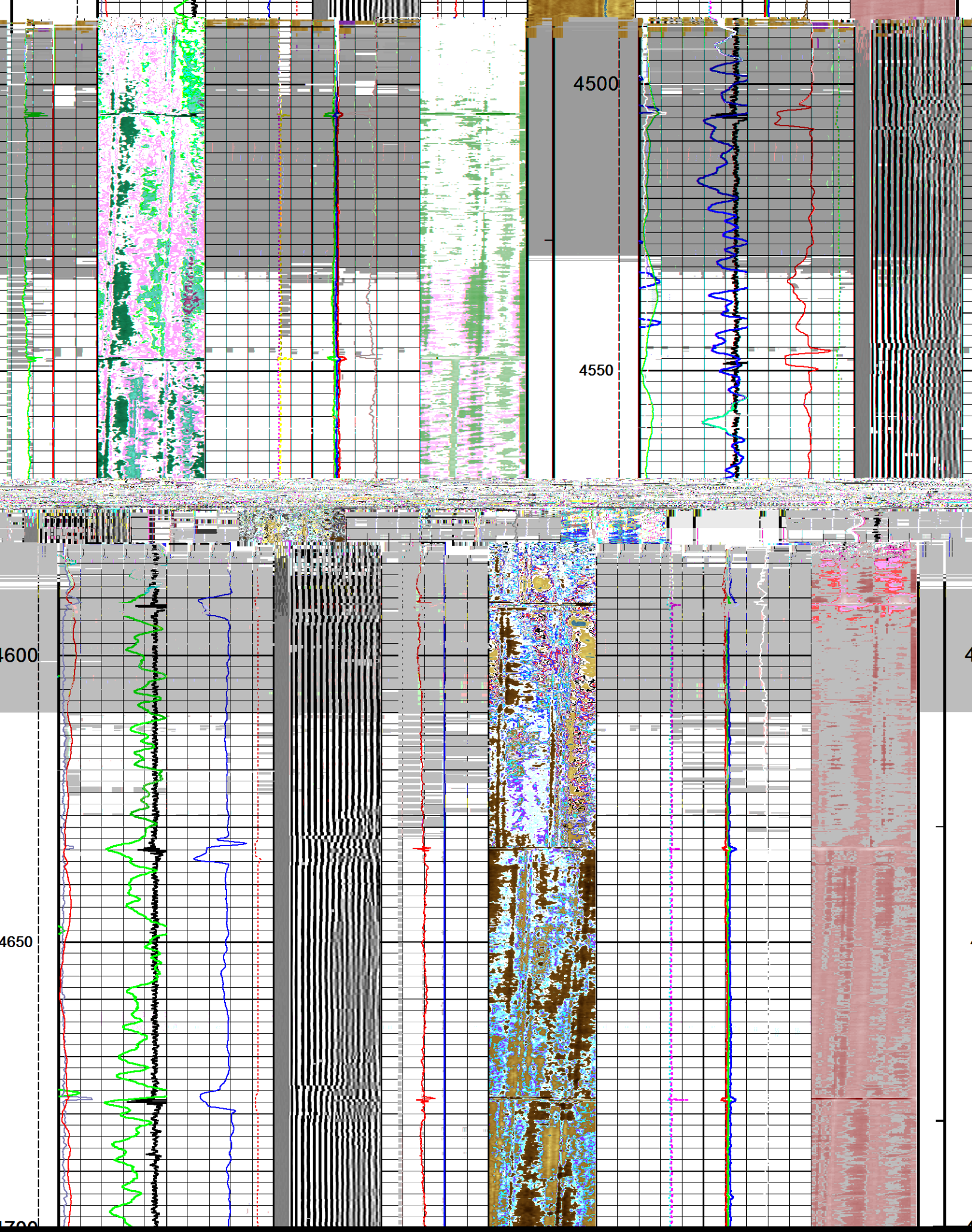
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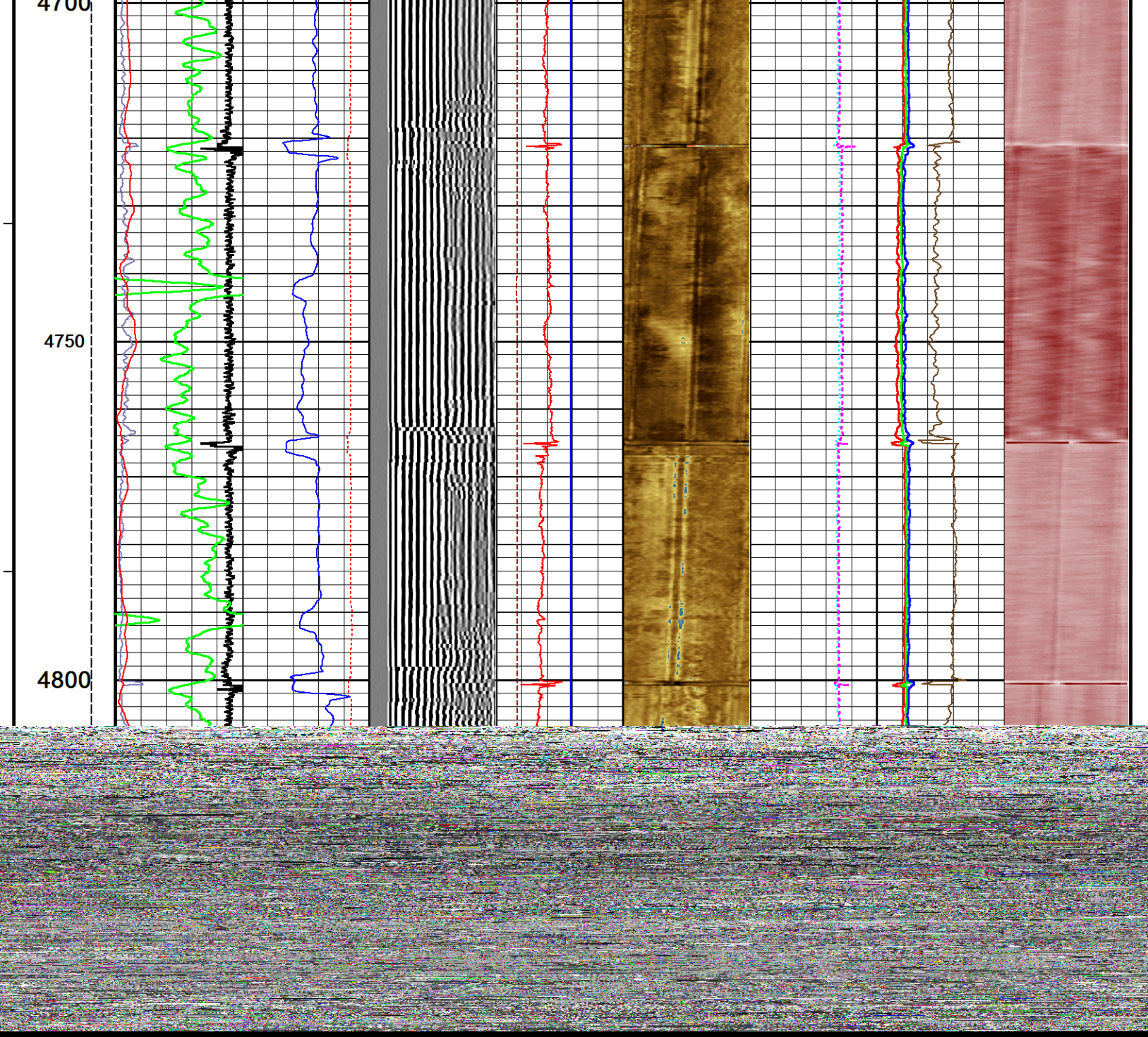
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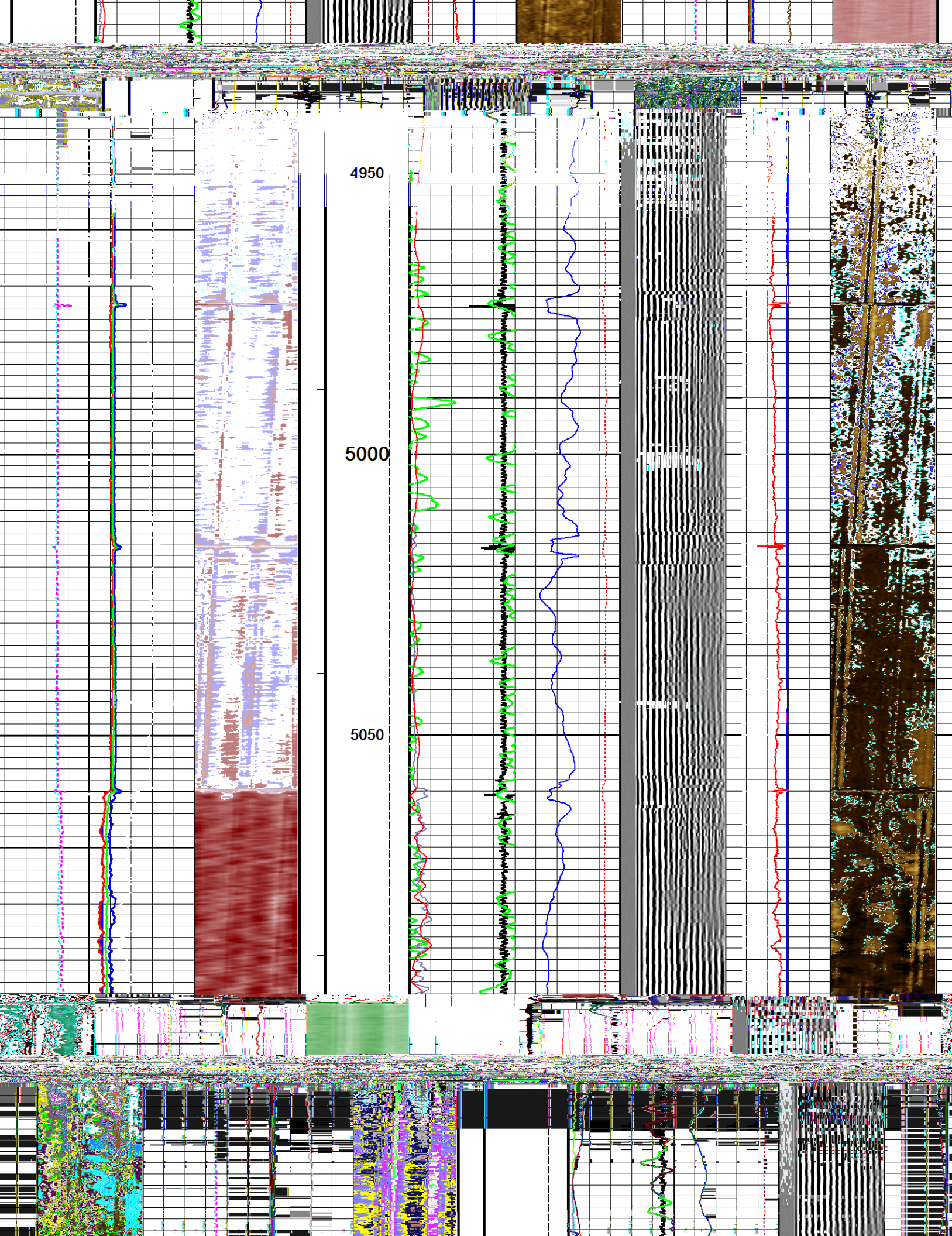
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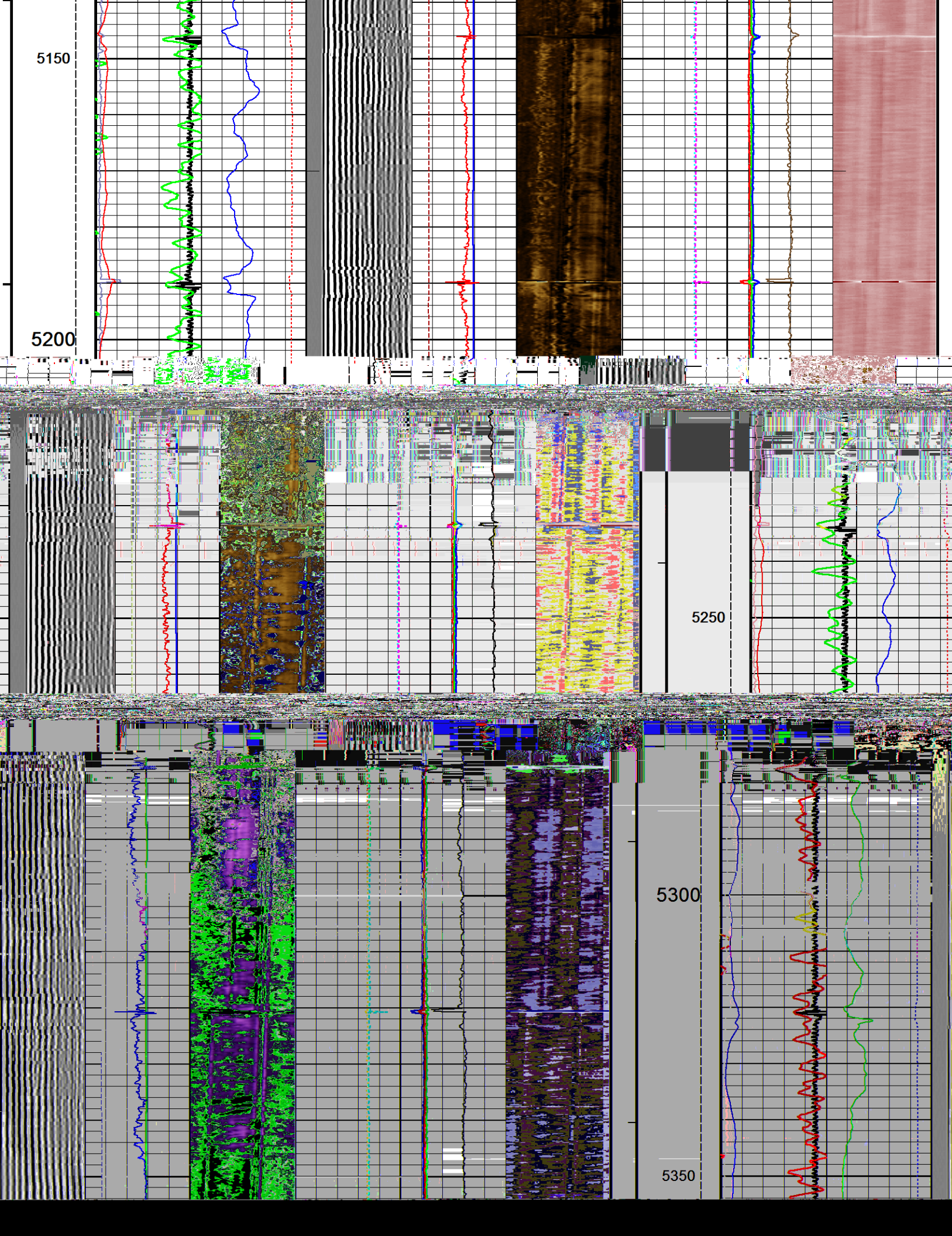
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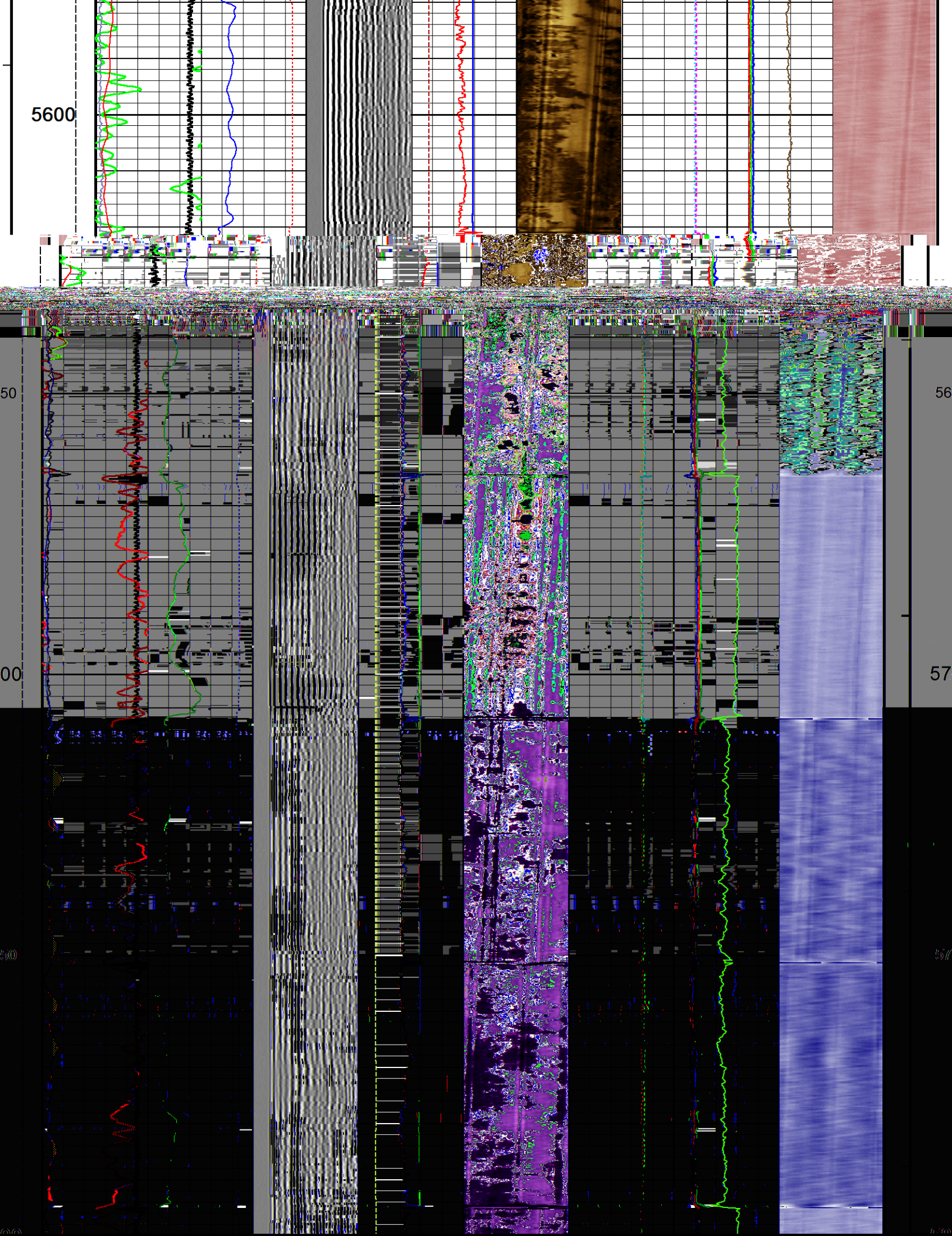
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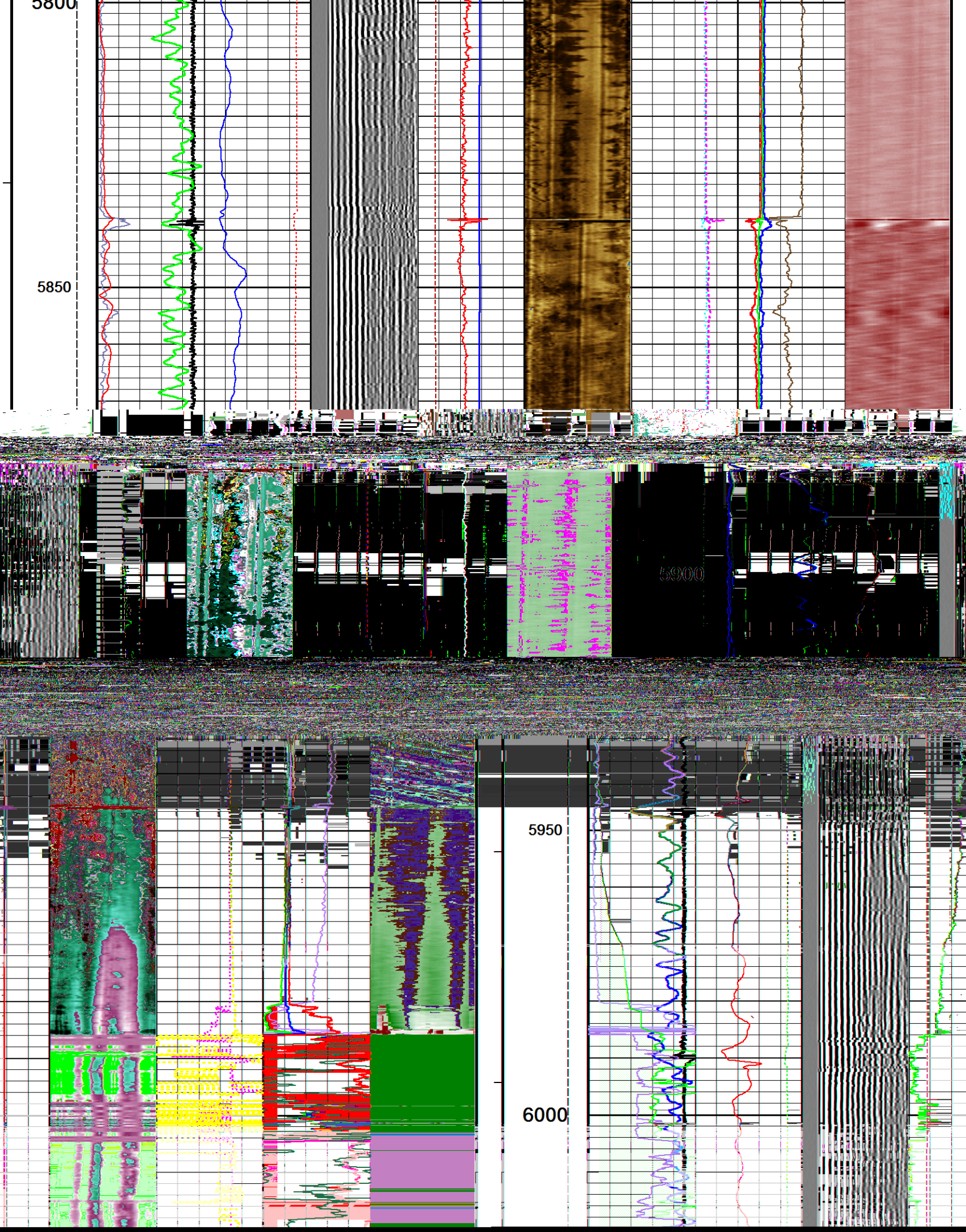
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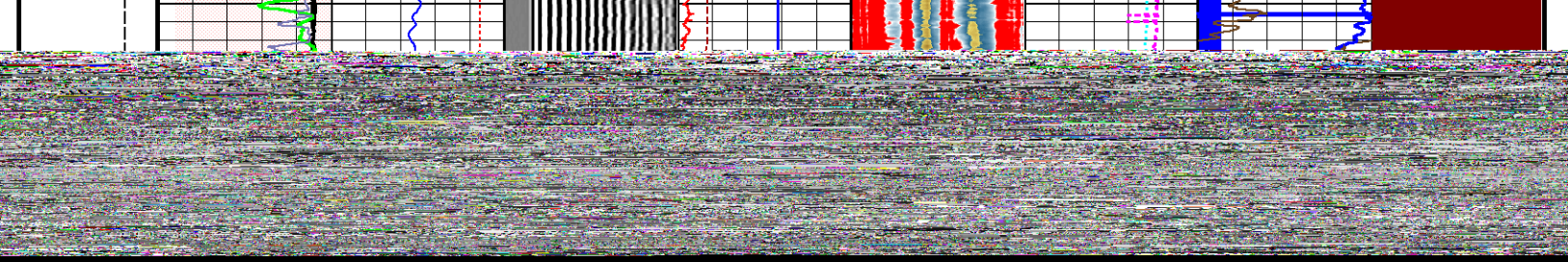
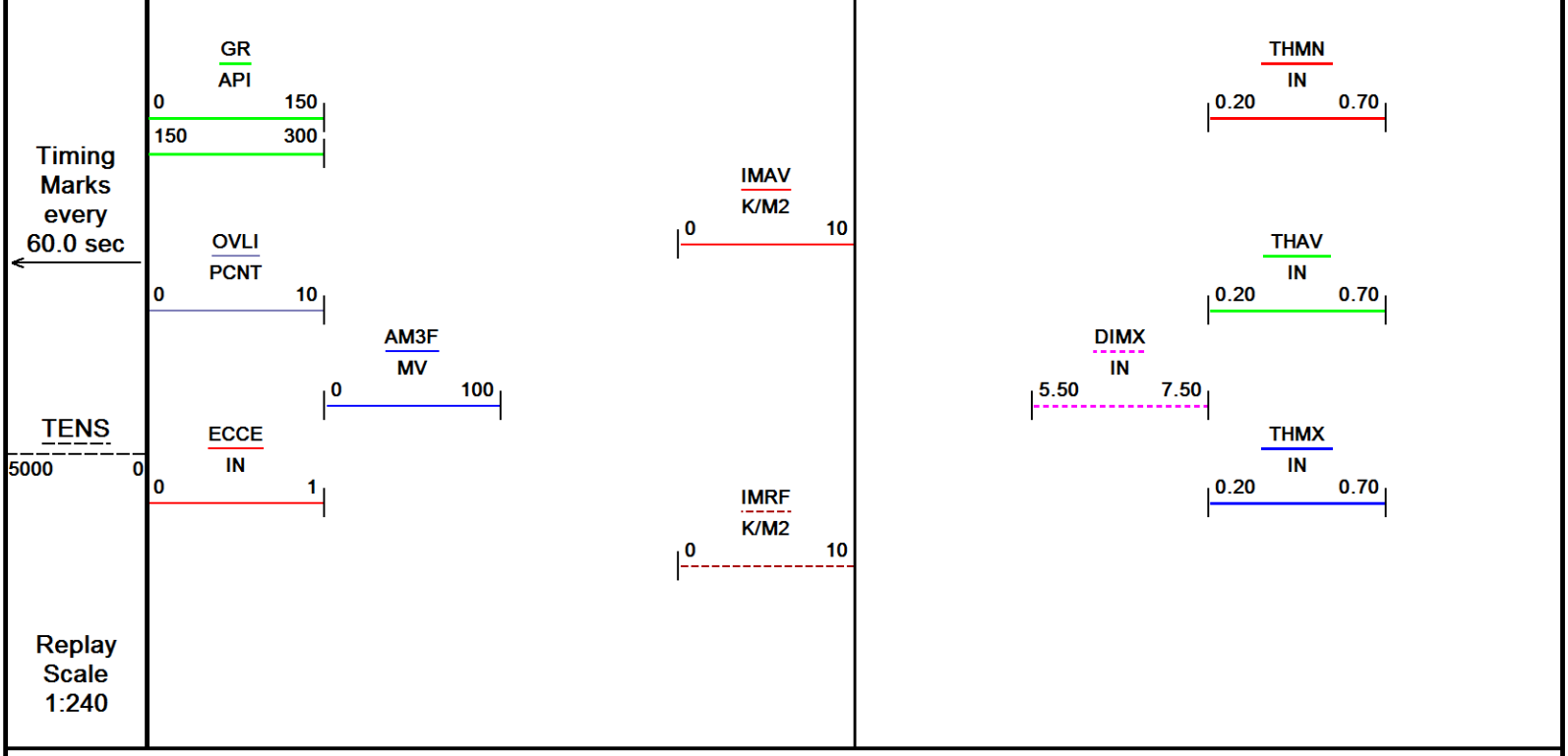




Depth Based Data - Maximum Sampling Increment 2.5cm — Plotted on 03-JUN-2018 12:52

Filename: C:\Job Data...\BONANZA CREEK_NORTH PLATTE K21-35-2MRLNC_URS-CBT_FINAL.dta — Recorded on 03-JUN-2018 12:18

System Versions: Processed with 18.01.5248 Plotted with 18.01.5248

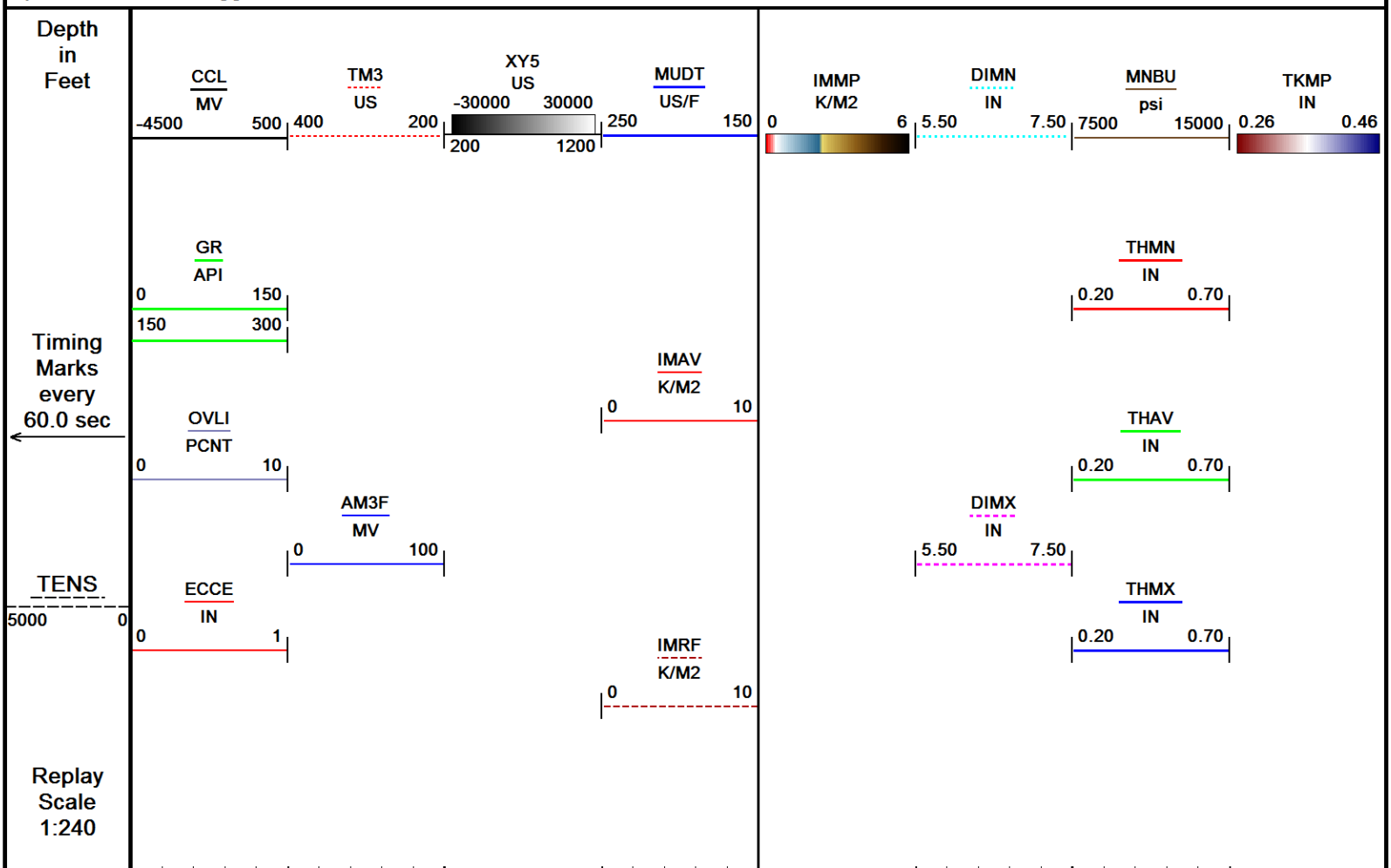
MAIN PASS

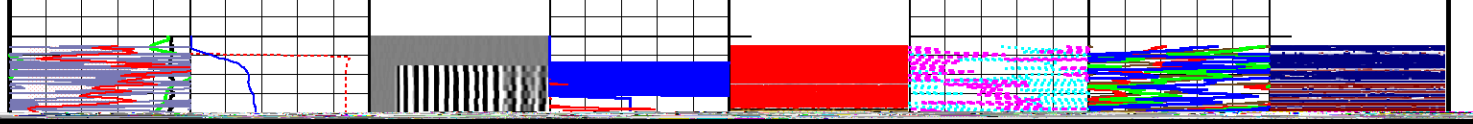
REPEAT PASS

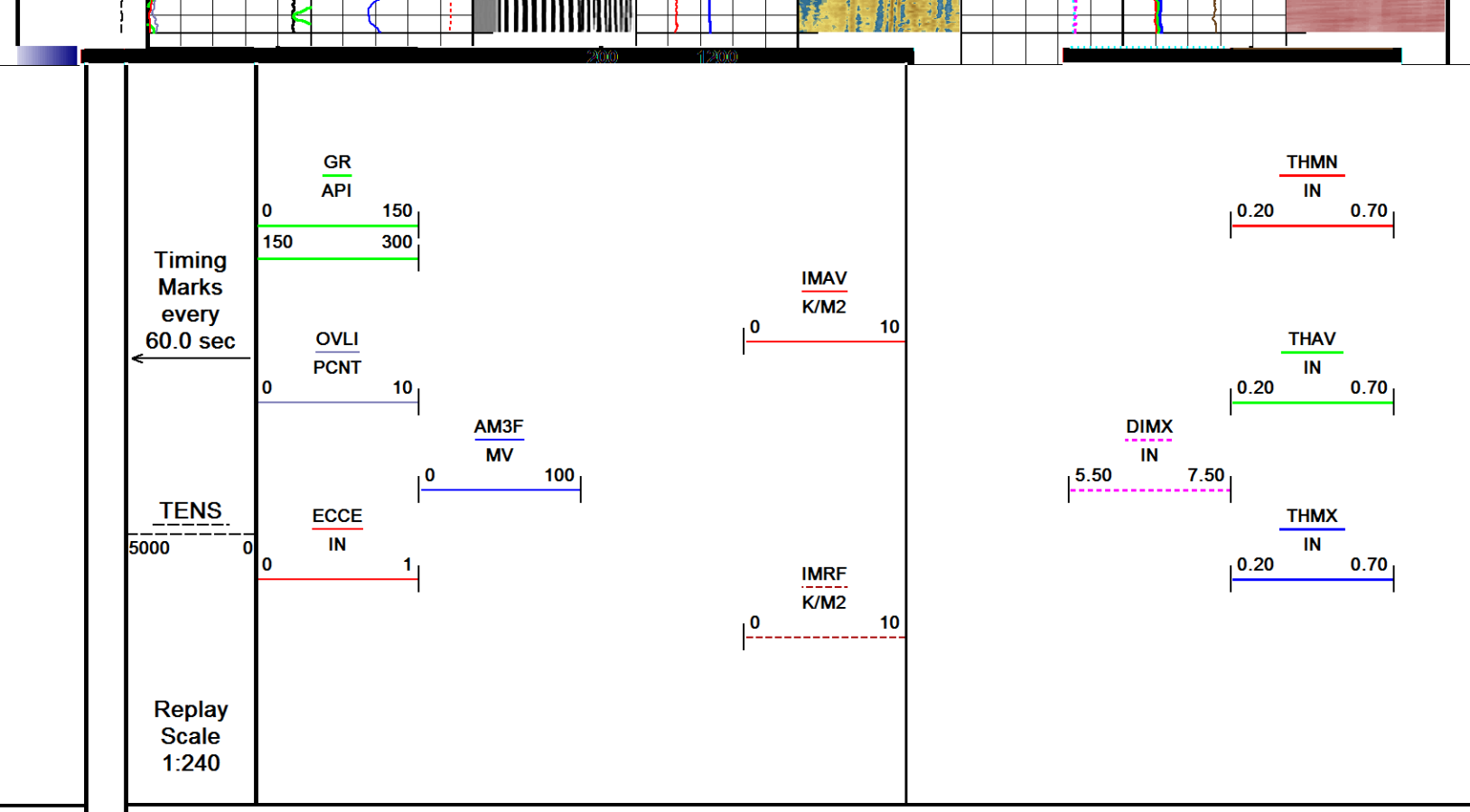
Depth Based Data - Maximum Sampling Increment 2.5cm — Plotted on 03-JUN-2018 12:52

Filename: C:\J...\BONANZA CREEK_NORTH PLATTE K21-35-2MRLNC_URS-CBT_REPEAT_001.dta — Recorded on 03-JUN-2018 12:40

System Versions: Logged with 18.01.5248 Plotted with 18.01.5248







18 12:52
18 12:40

Depth Based Data - Maximum Sampling Increment 2.5cm — Plotted on 03-JUN-201
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System Versions: Logged with 18.01.5248 Plotted with 18.01.5248

REPEAT PASS

NAL.dta

DOWNHOLE EQUIPMENT

C:\Job Data\2018\Bonanza Creek\North Platte K21-3...\BONANZA CREEK_NORTH PLATTE K21-35-2MRLNC_URS-CBT_FIN

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

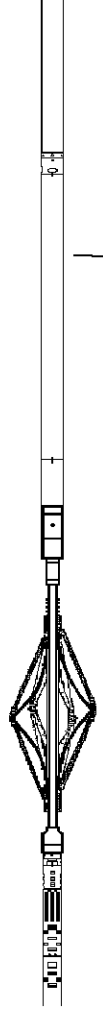
Communication Cartridge 55pin 3-3/8in
WCC-DA 119 LG: 4.60 ft WT: 63.9 lb OD: 3.386 in

55.14 ft CCL - Collar Locator

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

47.05 ft GR - Gamma Ray

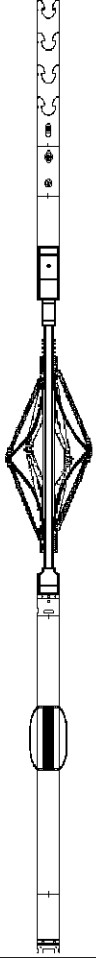
55 pin Roller Centralizer
CEN-XA 196 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in



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

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

UGR Field Survey Cal UGR-JD 135

Field Calibration on 00-JAN-1988 00:00

Gamma Ray Field Survey Calibration

Tool Type: UGR-JD Serial No: 135
Calibrator No:

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

Last Edited on 03-JUN-2018 12:34

*** 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	2.00
ZMud Cal Area Ratio	4.30

** 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	1502.00	5.50	36.00	1.50	1.50	0.30	1.00
0.00	11467.00	5.50	17.00	1.50	1.50	0.30	1.00

** Constants **

Thickness Calculated from	Radius
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	NORTH PLATTE K21-35-2MRLNC
FIELD	WATTENBERG
PROVINCE/COUNTY	WELD
COUNTRY/STATE	UNITED STATES / COLORADO

Elevation Kelly Bushing	4567	feet	Bottom Log Interval	6200.00	feet
Elevation Drill Floor	4567	feet	Depth Driller	11467.00	feet
Elevation Ground Level	4550	feet	Depth Logger	6200.00	feet

Weatherford®

SECUREVIEW

ULTRAVIEW / BONDVIEW

LOG