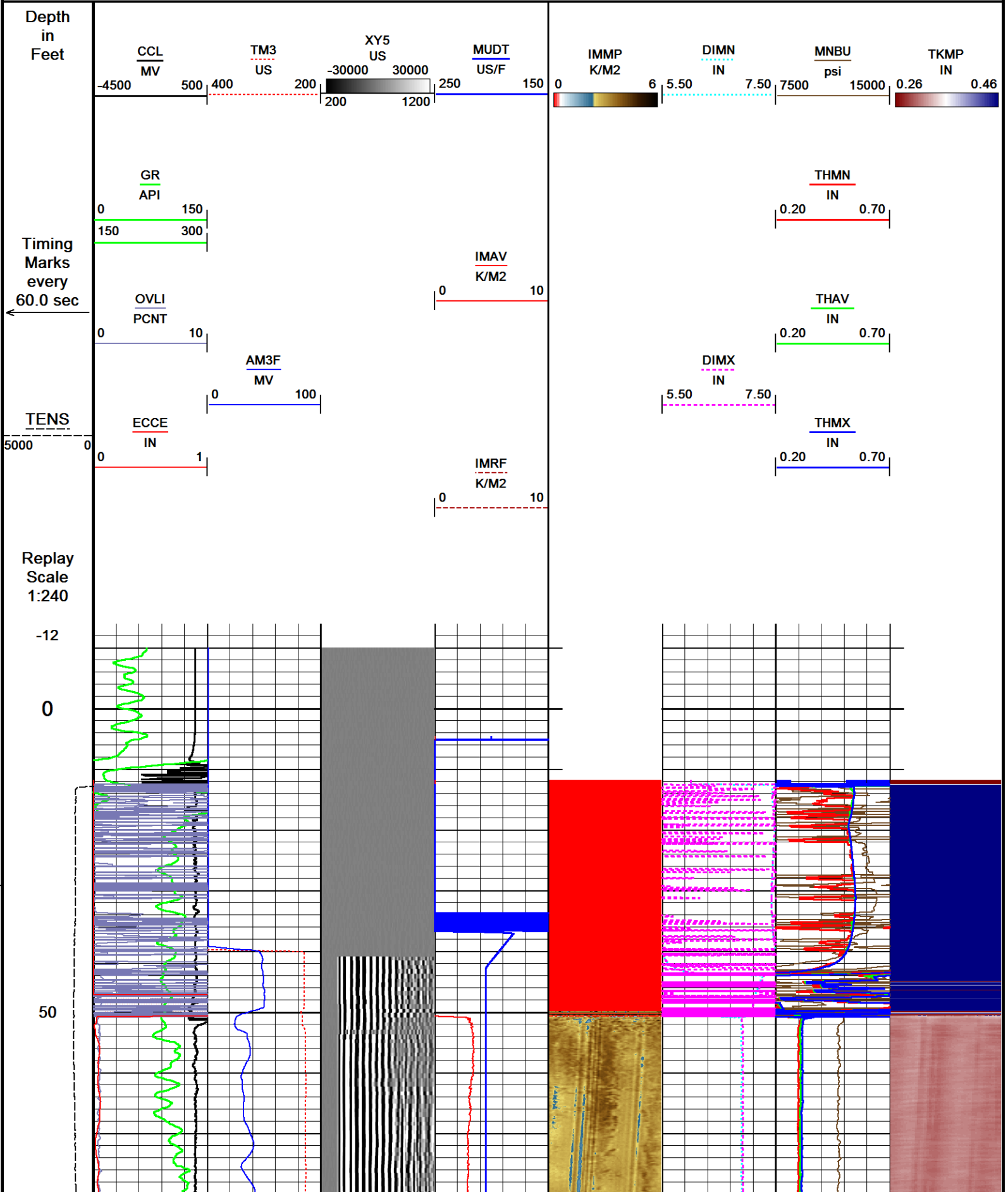
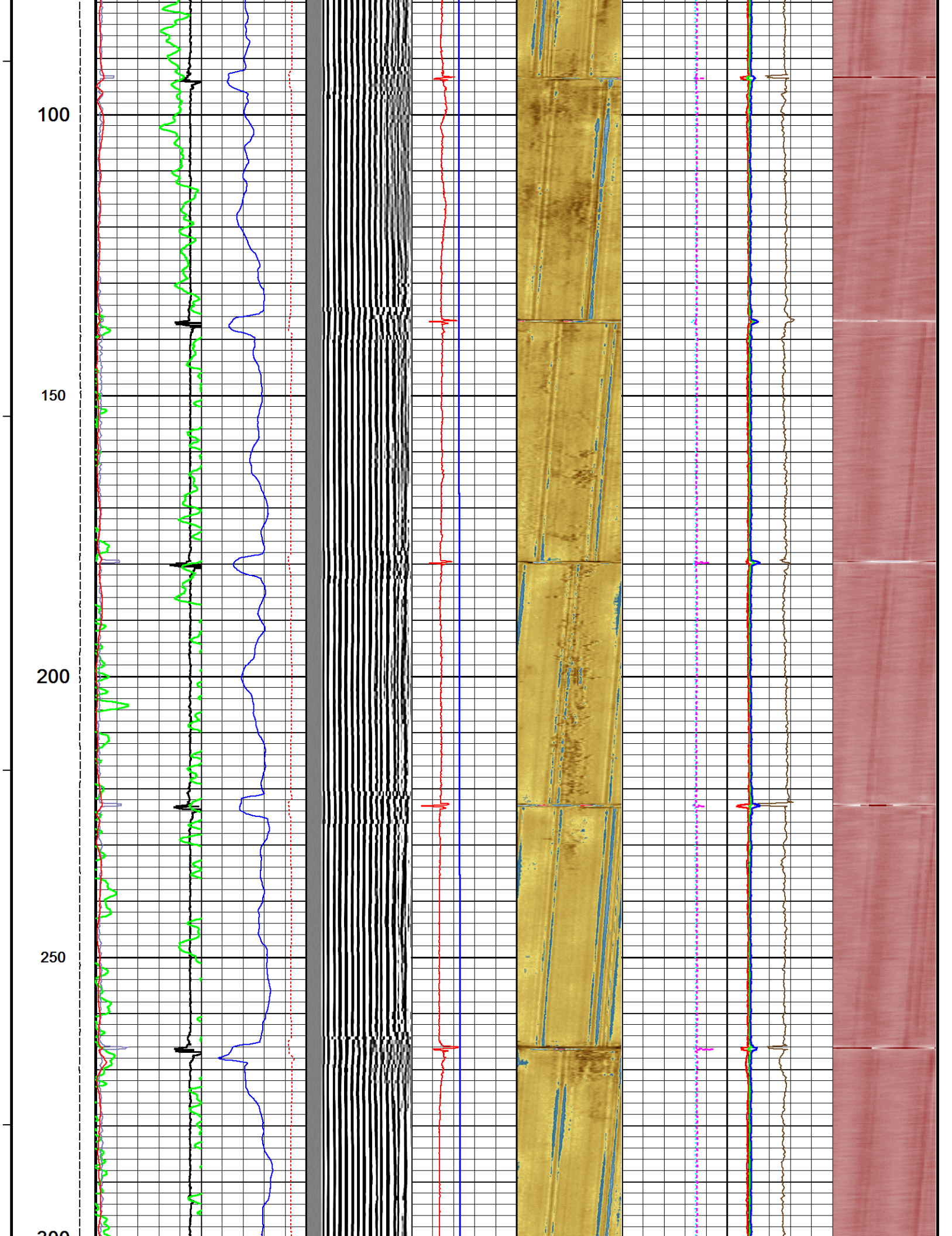
										SECUREVIEW									
Weatherford®										ULTRAVIEW / BONDVIEW									
										LOG									
COMPANY										BONANZA CREEK ENERGY									
WELL										NORTH PLATTE K-35-34MRLNB									
FIELD										WATTENBERG									
PROVINCE/COUNTY										WELD									
COUNTRY/STATE										UNITED STATES / COLORADO									
LOCATION										520' FSL & 2552' FEL									
SEC 26			TWP 5N			RGE 63W			Other Services										
Latitude			MSC																
Longitude																			
API Number			05-123-46389																
Permanent Datum GL, Elevation 4550 feet										Elevations:									
Log Measured From KB, 17.00 feet above Permanent Datum										KB 4567.00									
Drilling Measured From KB										DF 4567.00									
										GL 4550.00									
Date										03-JUN-2018									
Run Number										ONE									
Service Order										215229340									
Type Log										Type Log									
Depth Driller										14129.00									
Depth Logger										6150.00									
Top Log Interval										0.00									
Bottom Log Interval										6150.00									
Hole Fluid Type										WATER									
Hole Fluid Level										0.00									
Restriction ID										4.892									
Max Recorded Temp										200.00									
Well Head Pressure										0.00									
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									

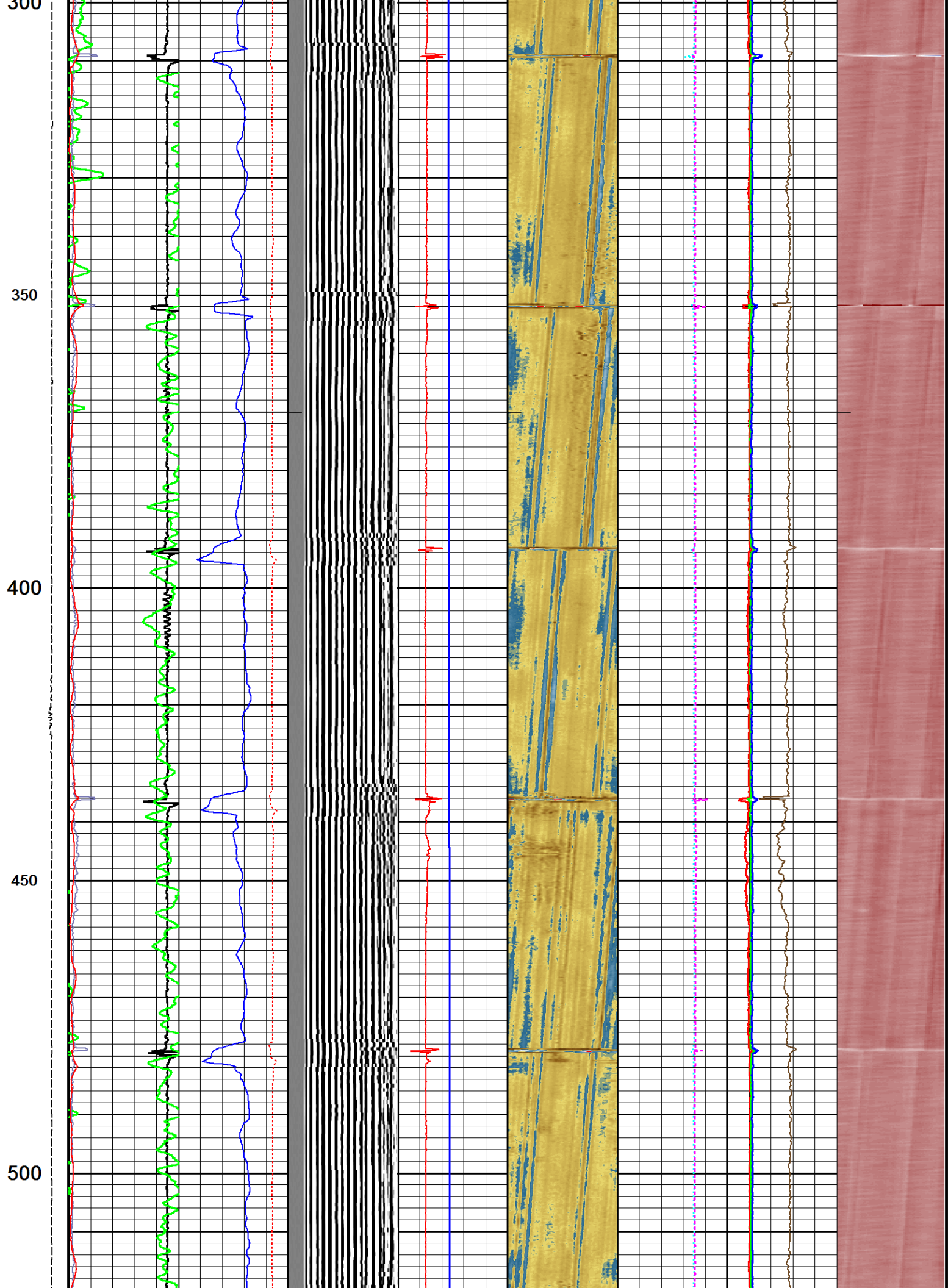
CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	J 55	LT C	9.625	0.00	1502.00	36.00
PRODUCTION	P 110	LT C	5.500	0.00	14129.00	17.00

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





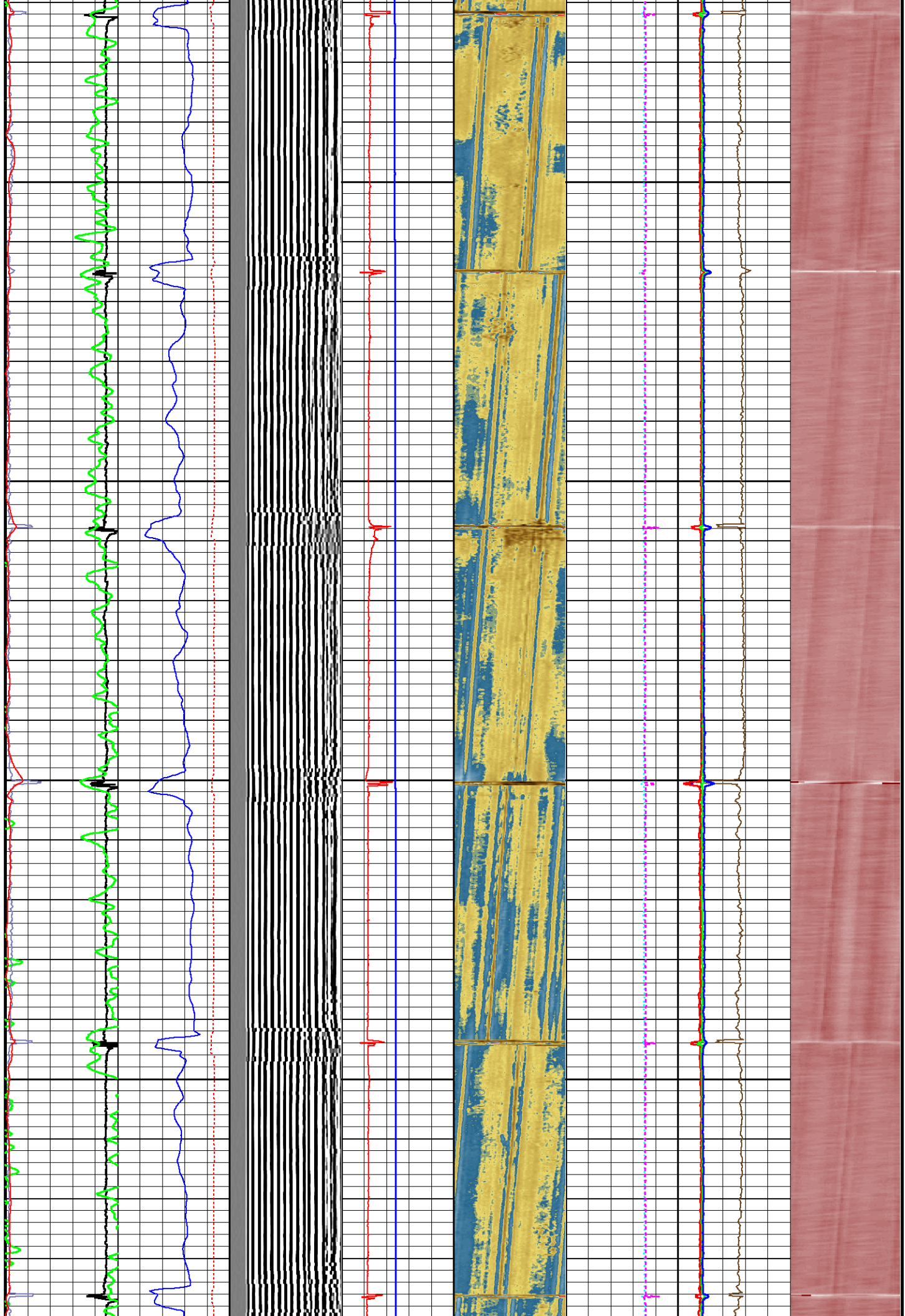


550

600

650

700



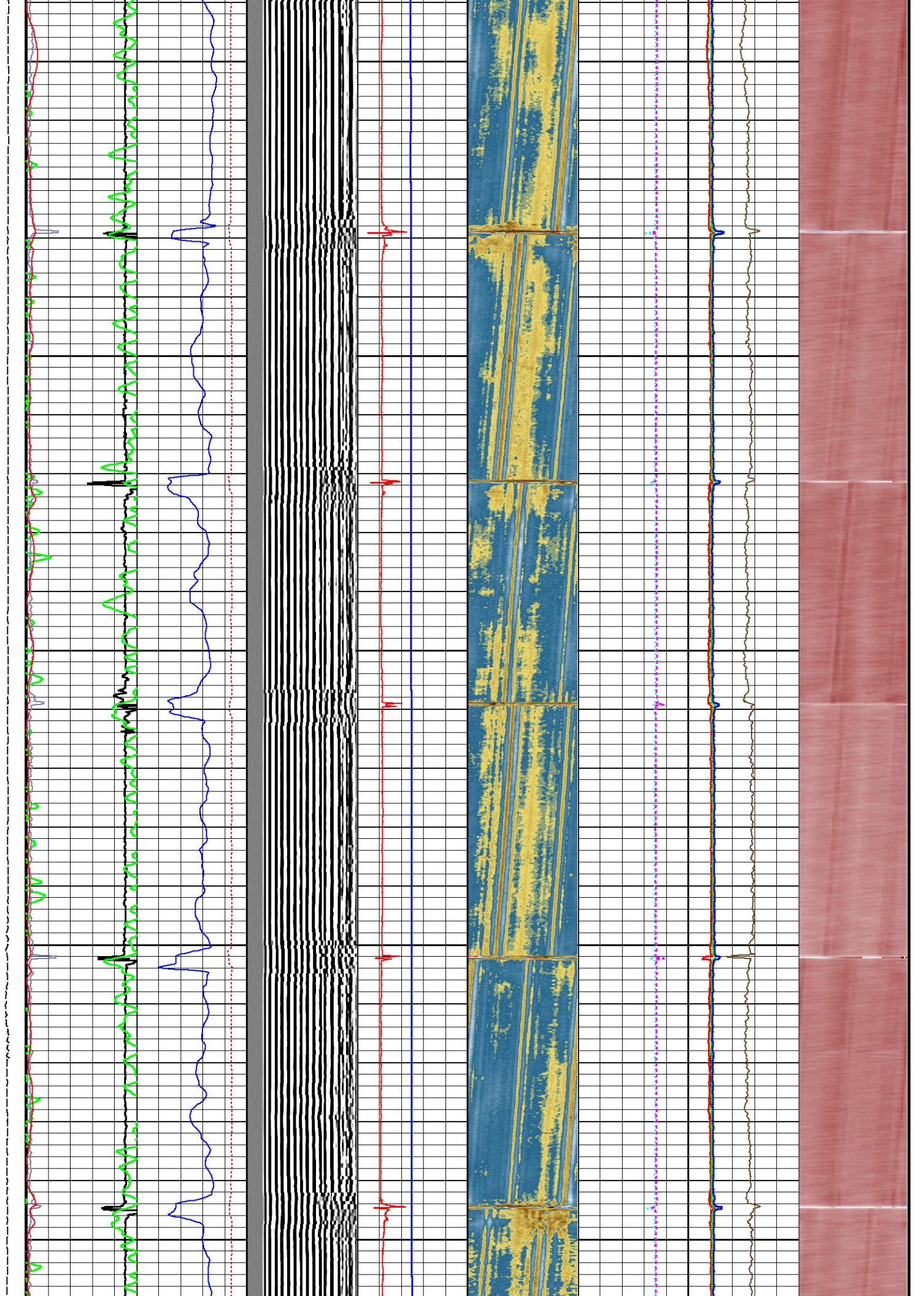
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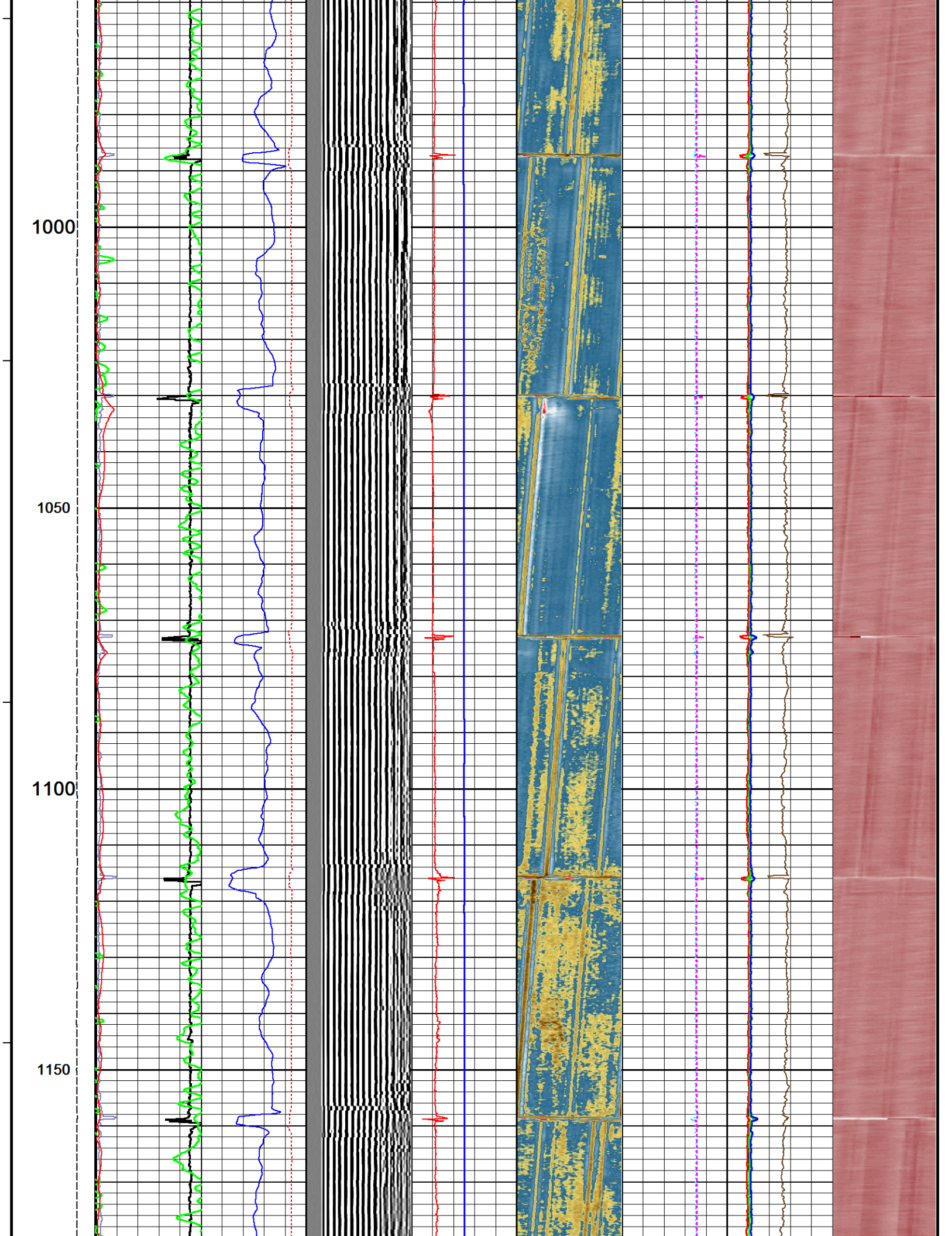
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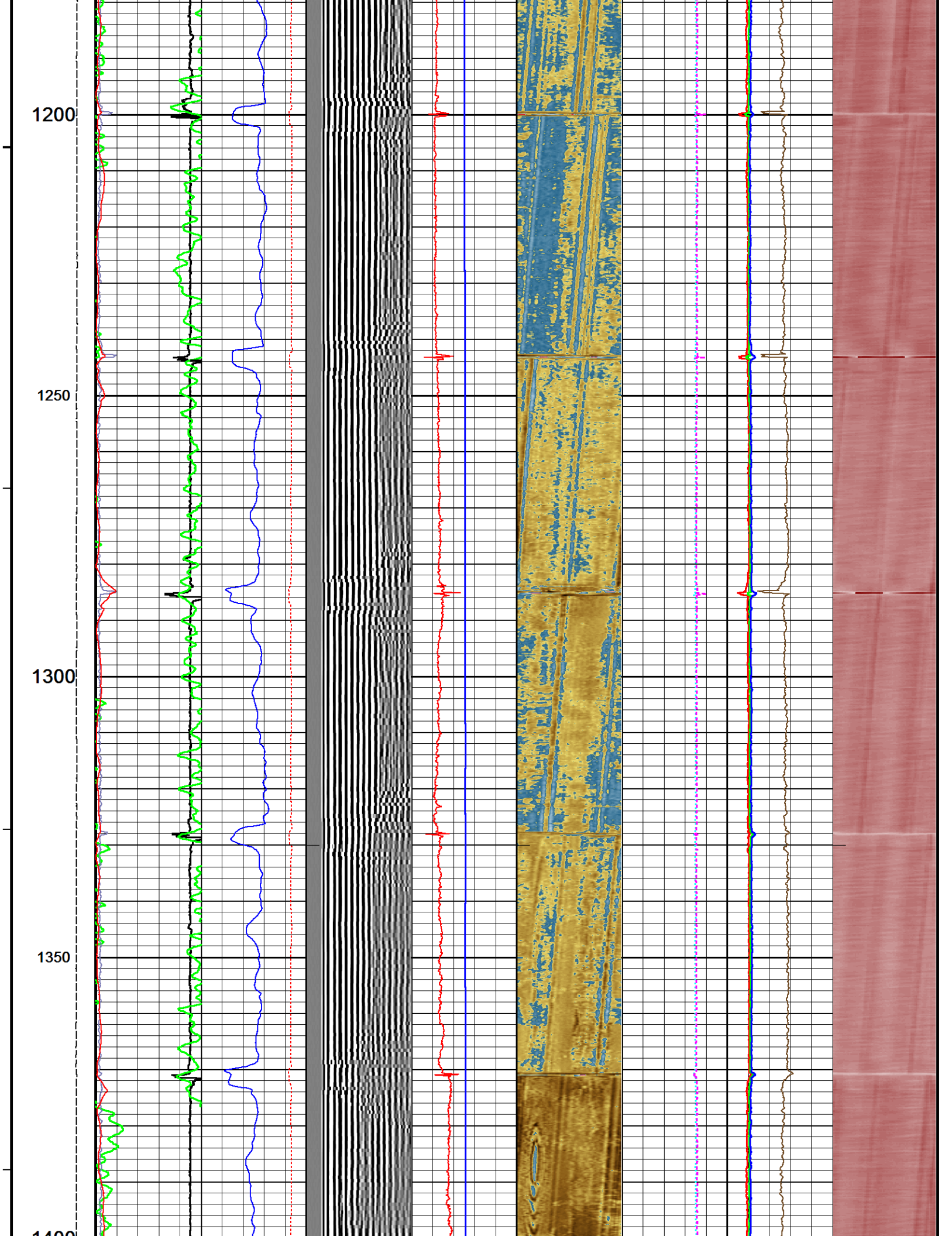
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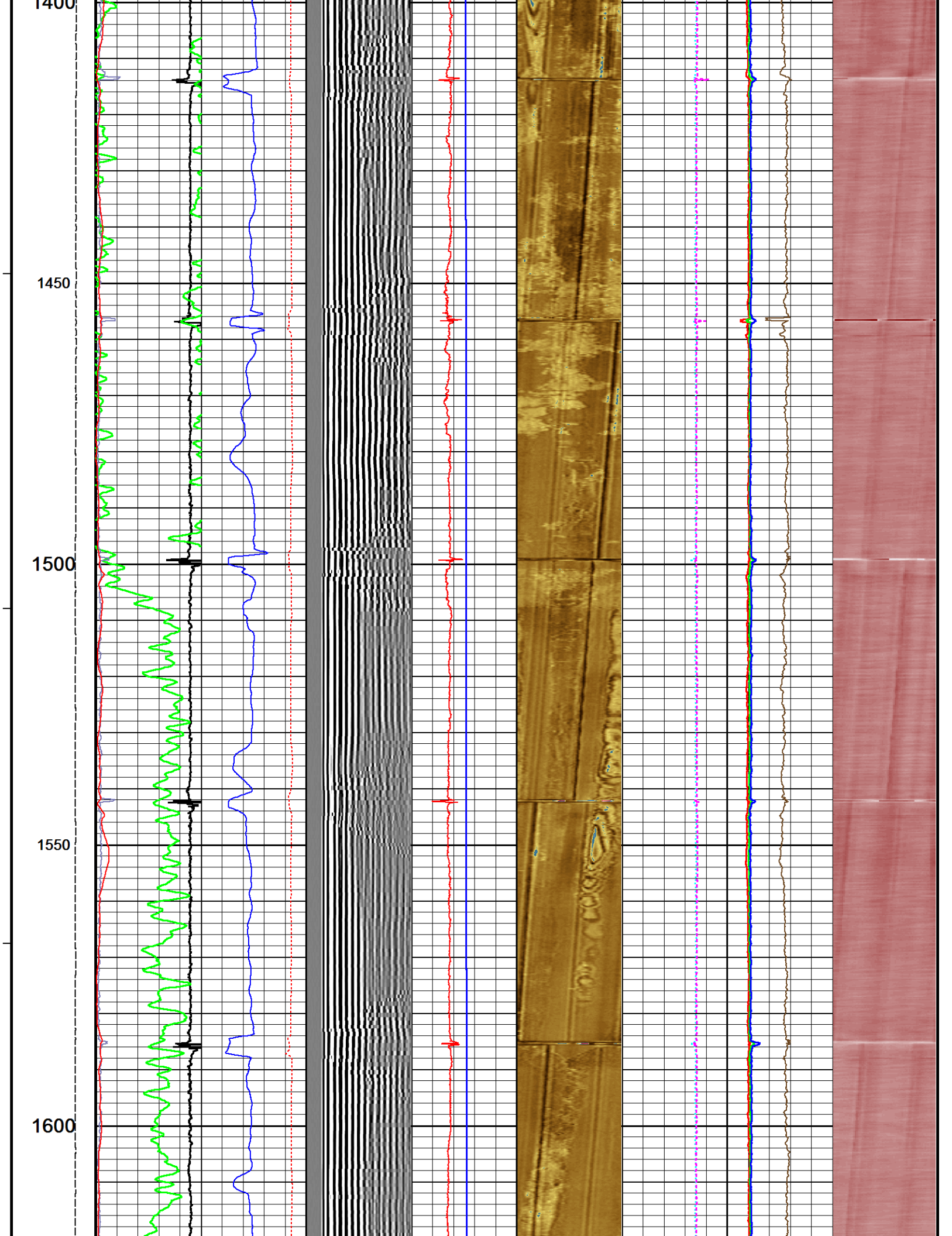
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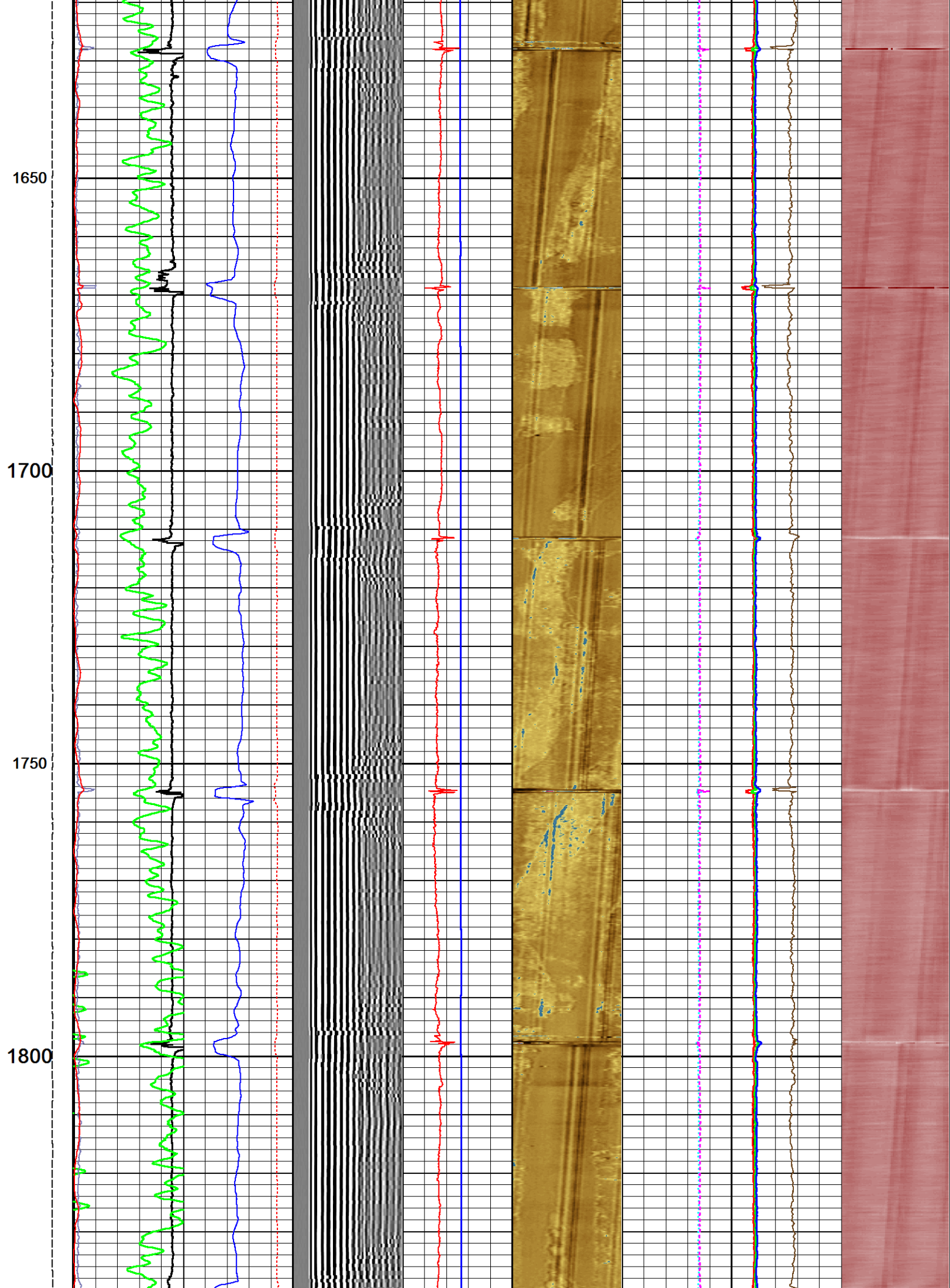
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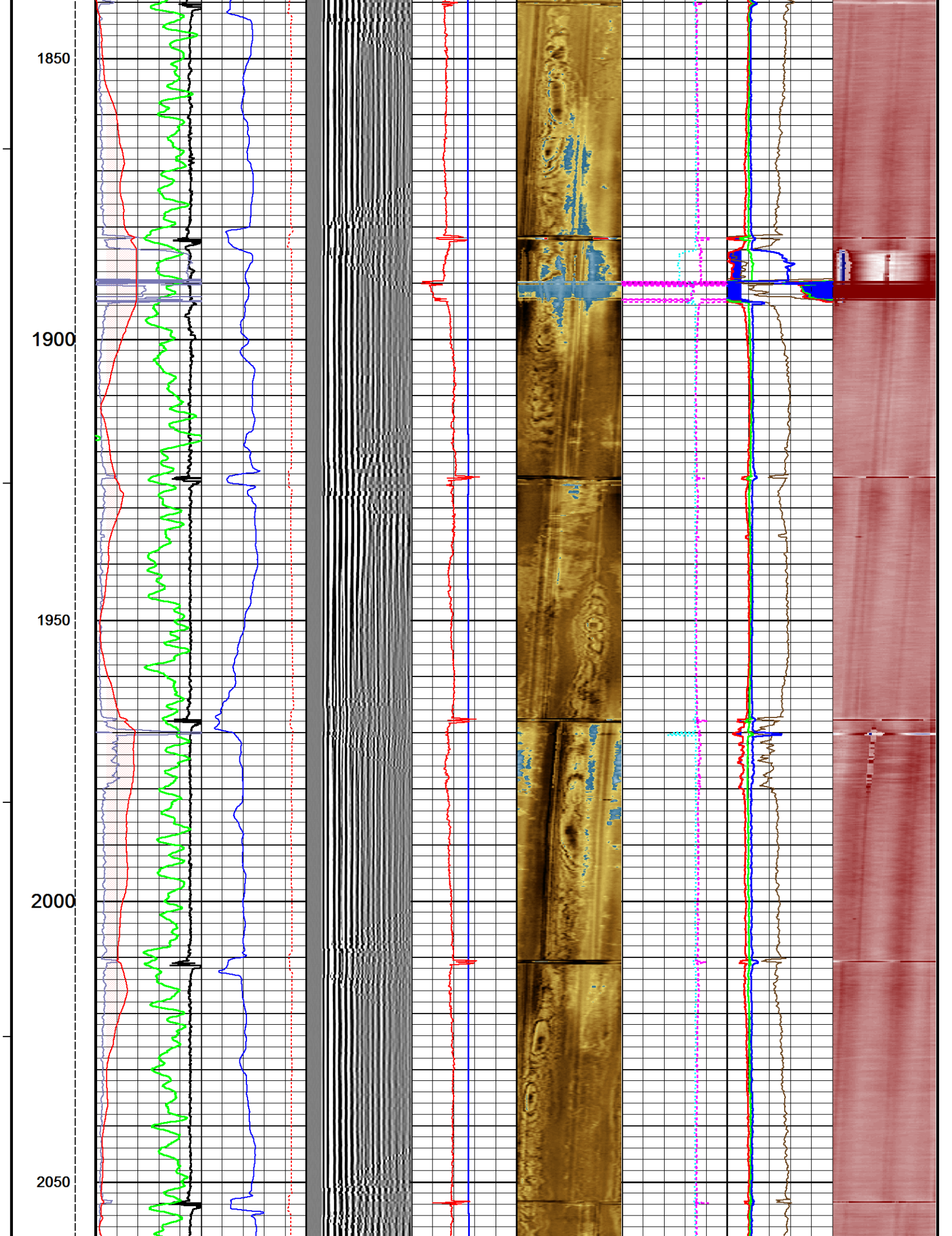










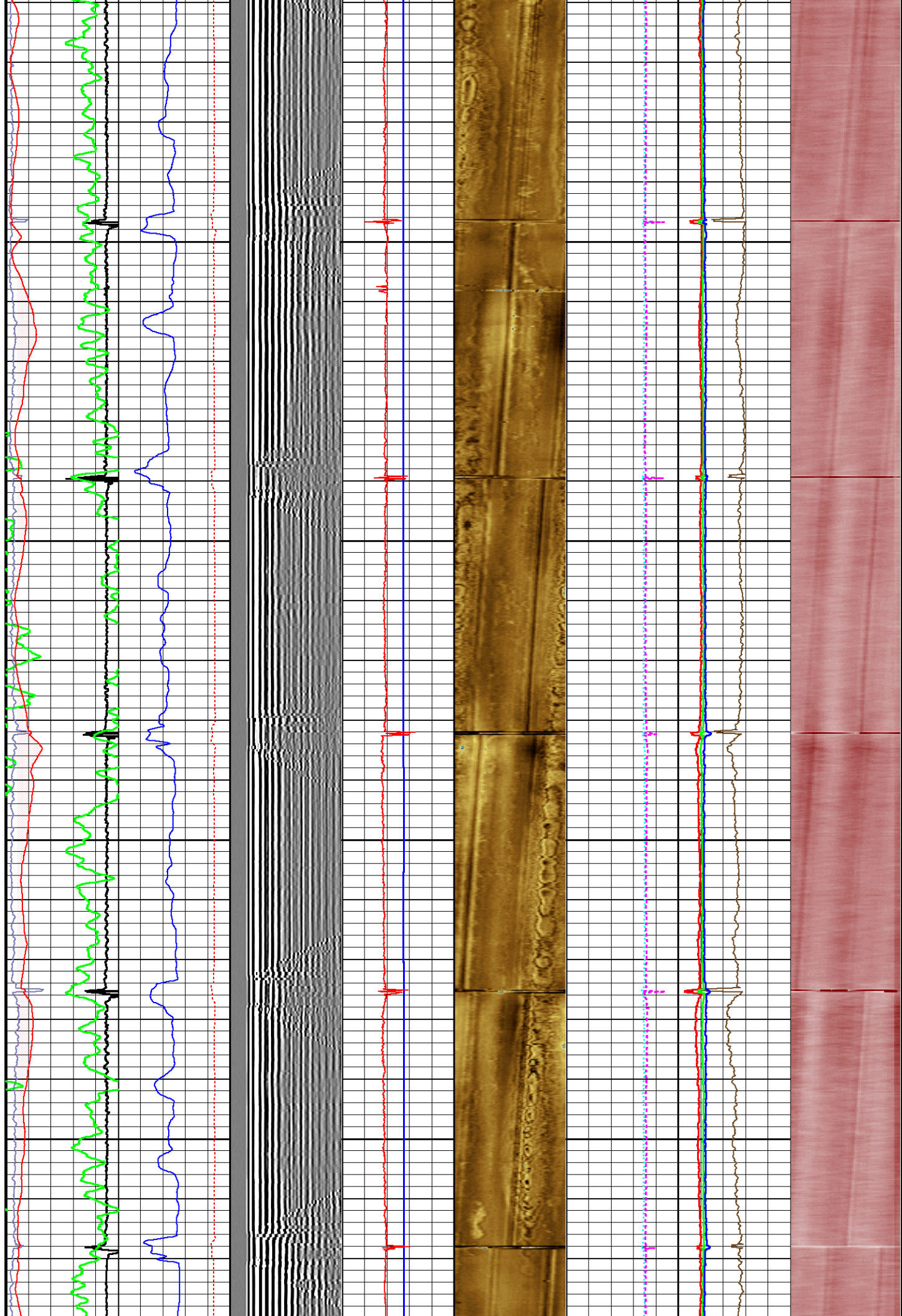


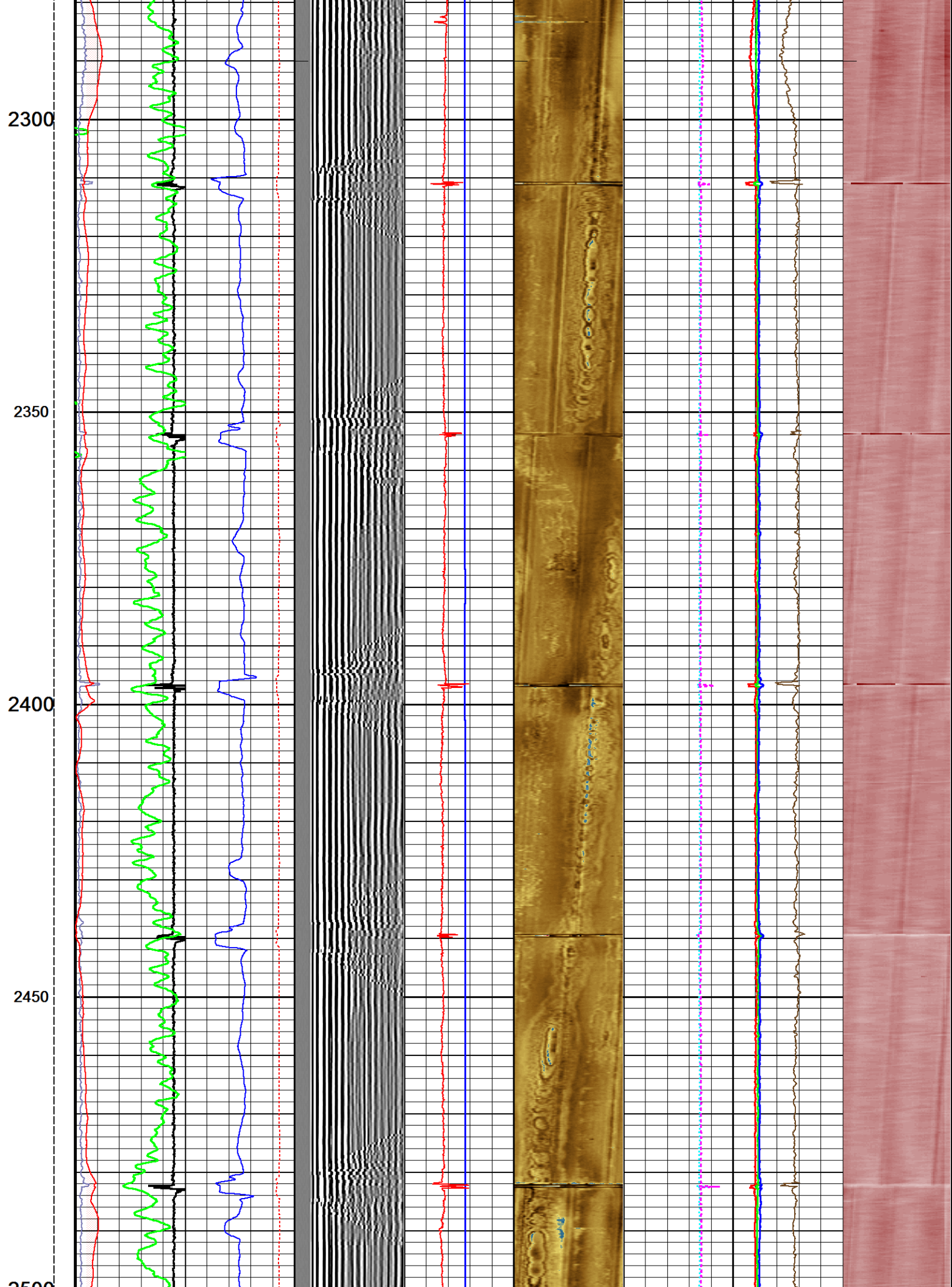
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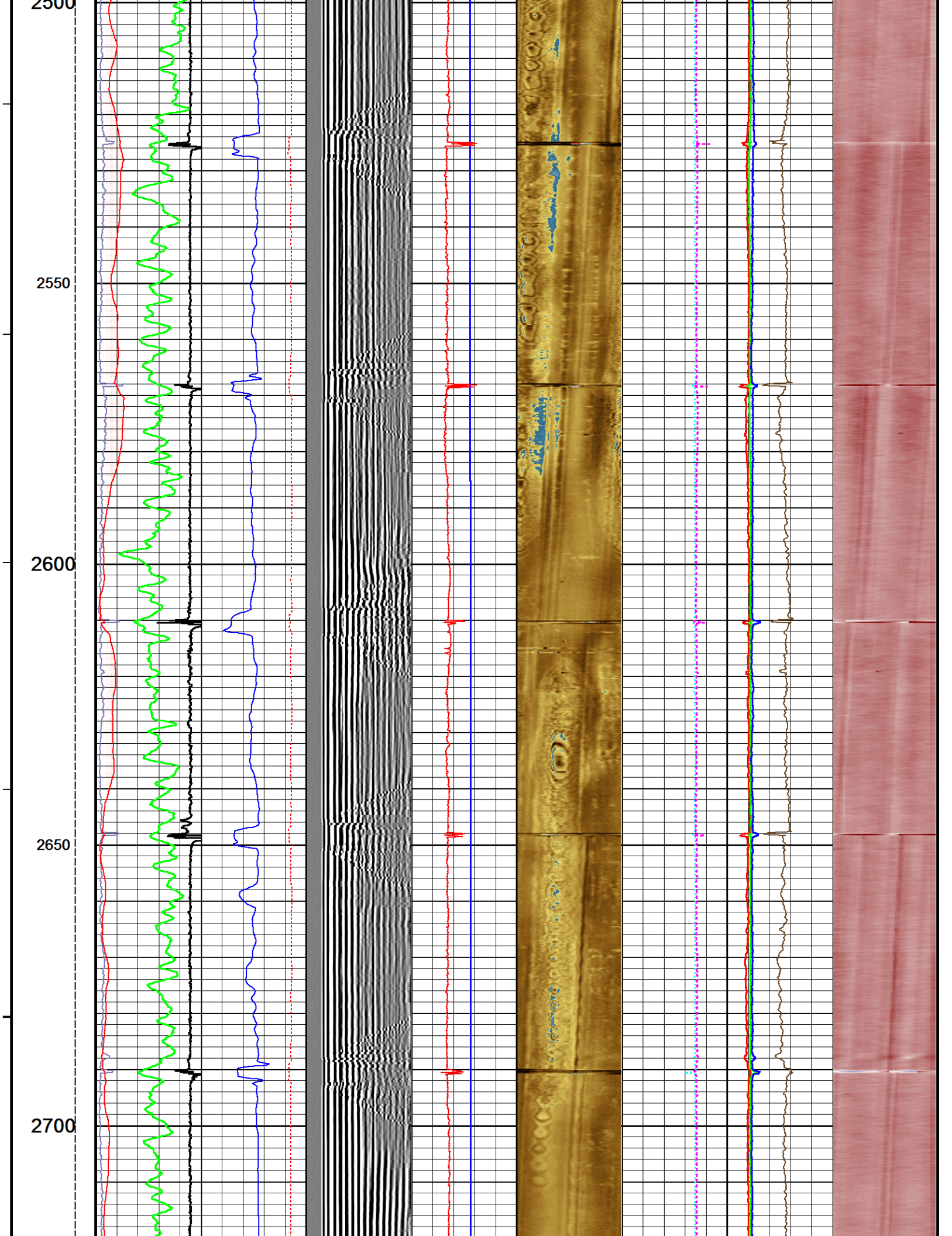
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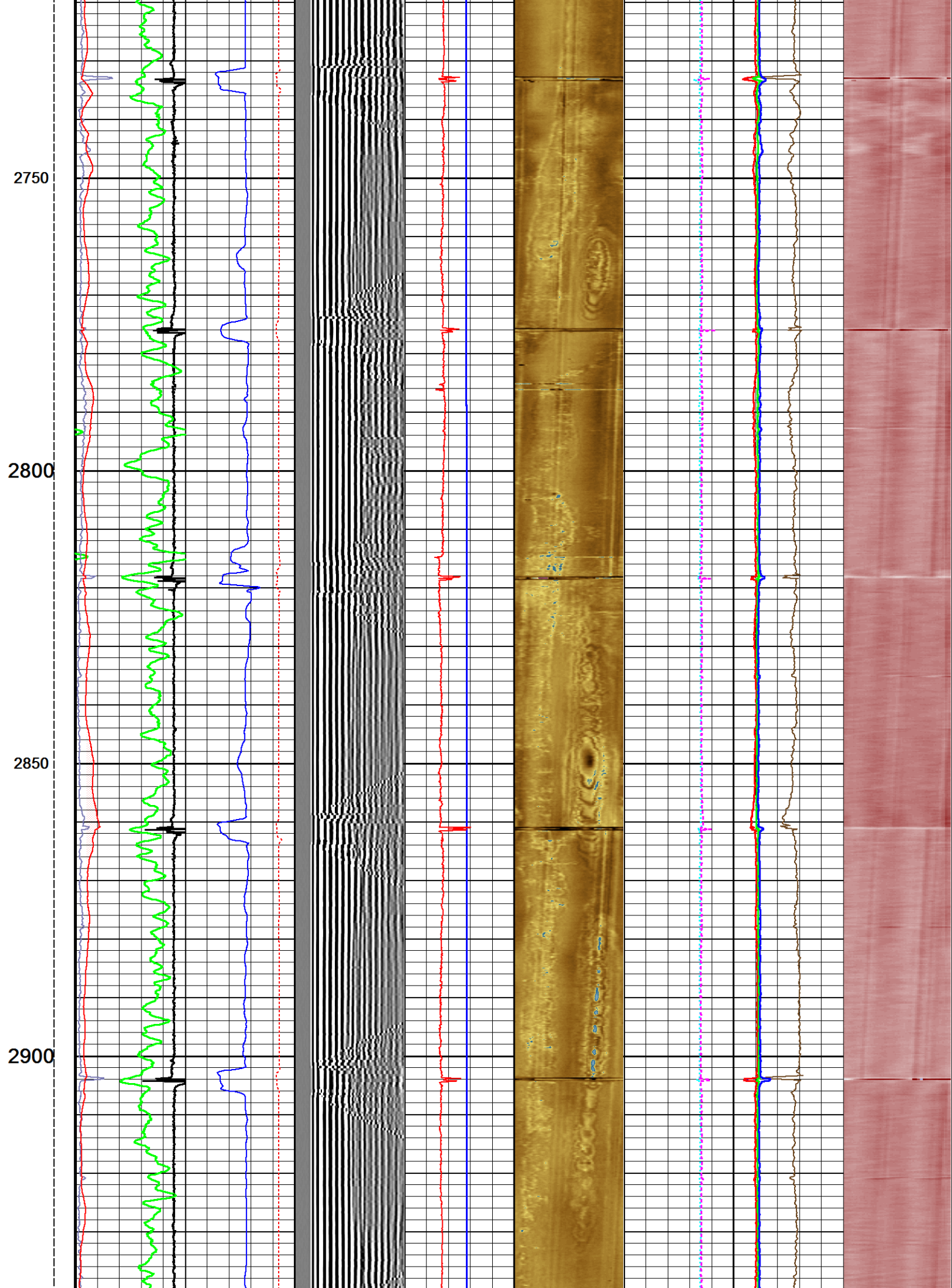
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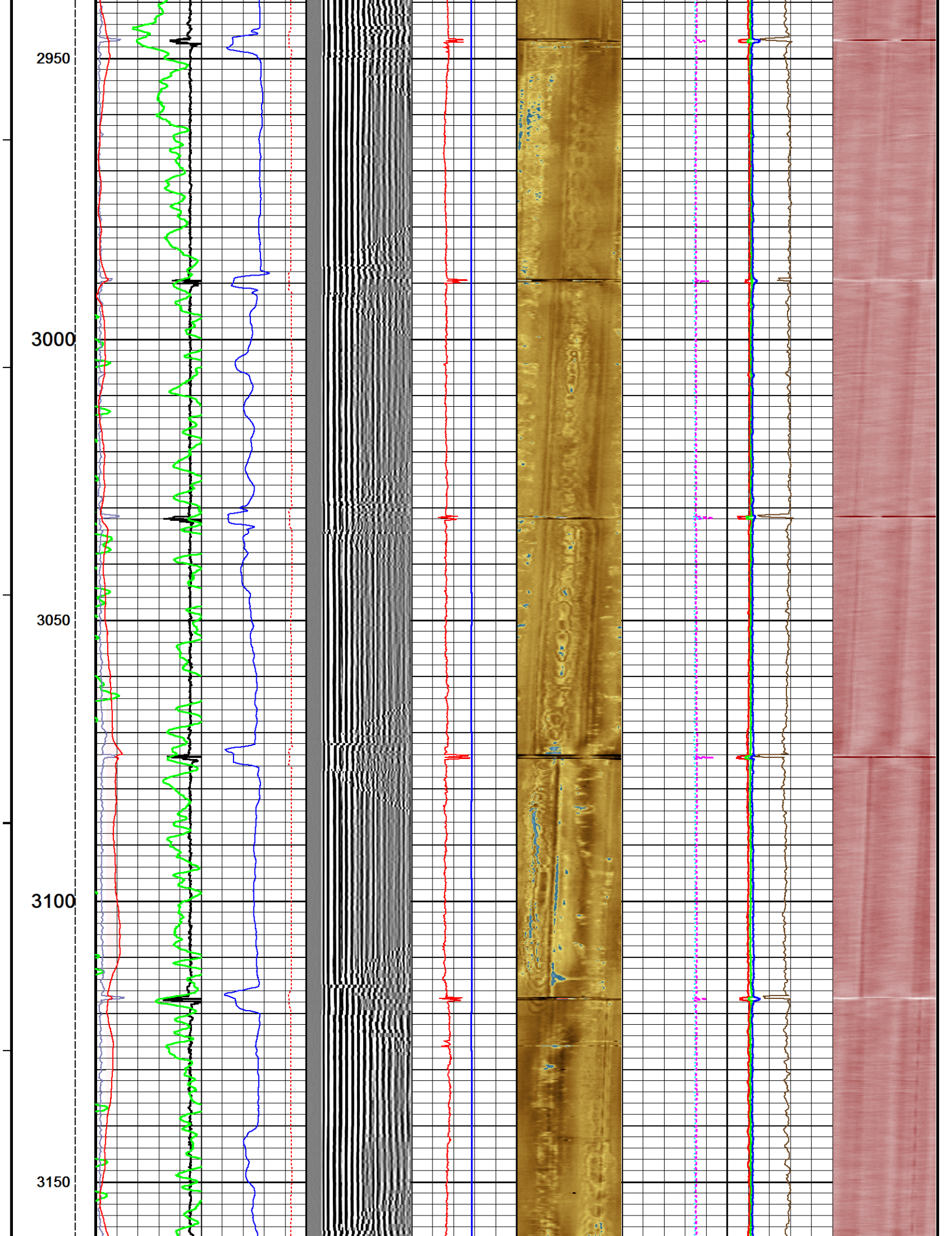
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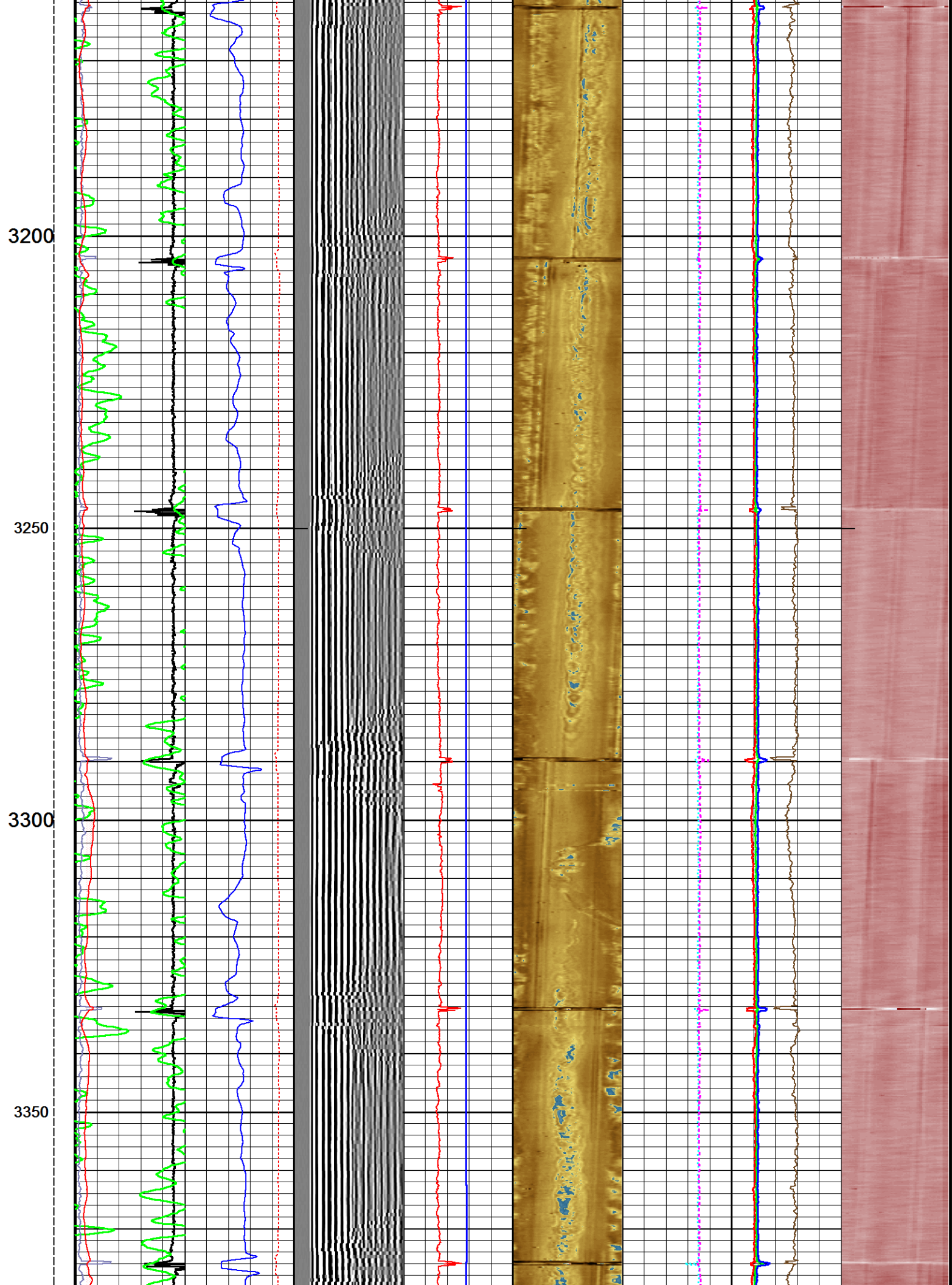


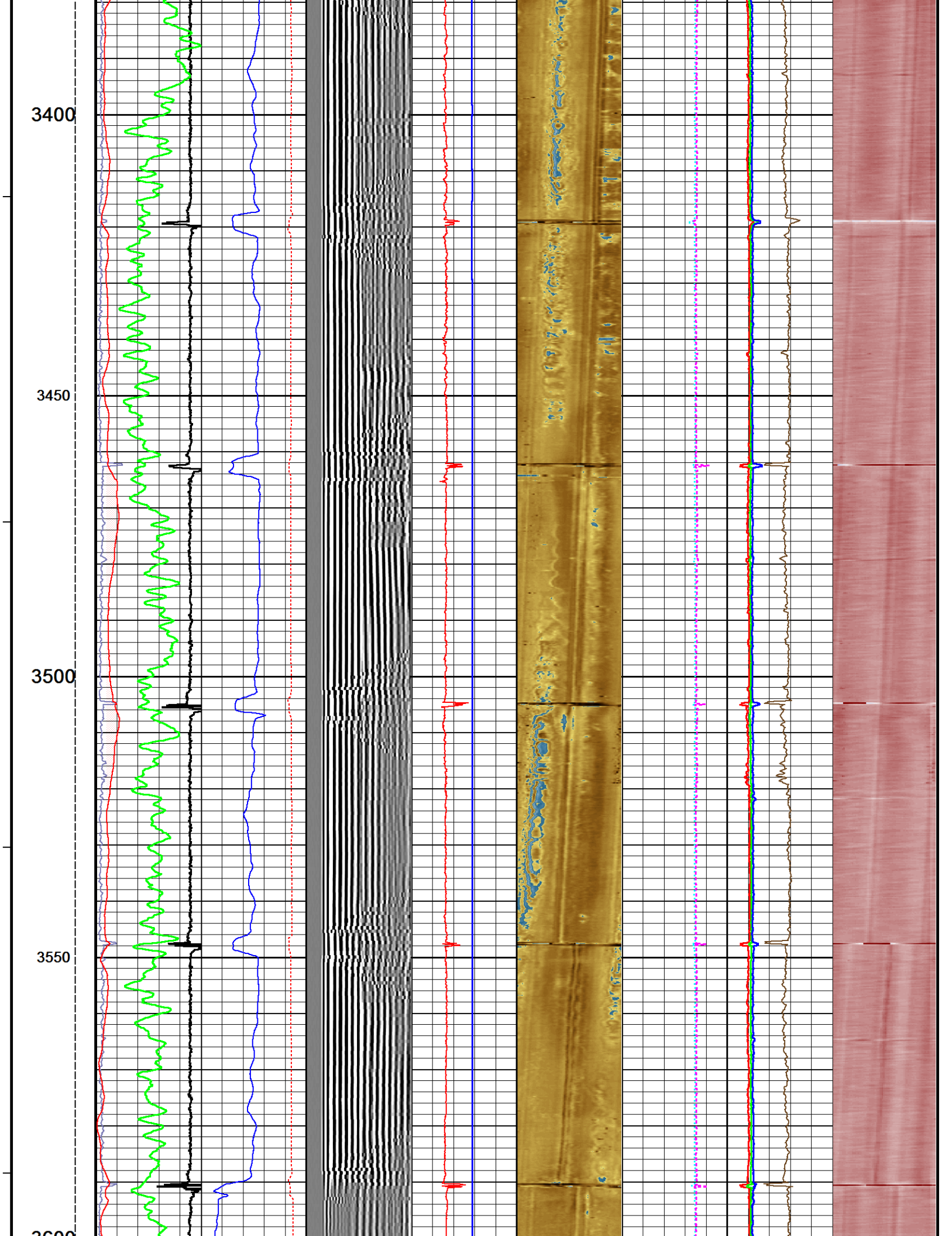


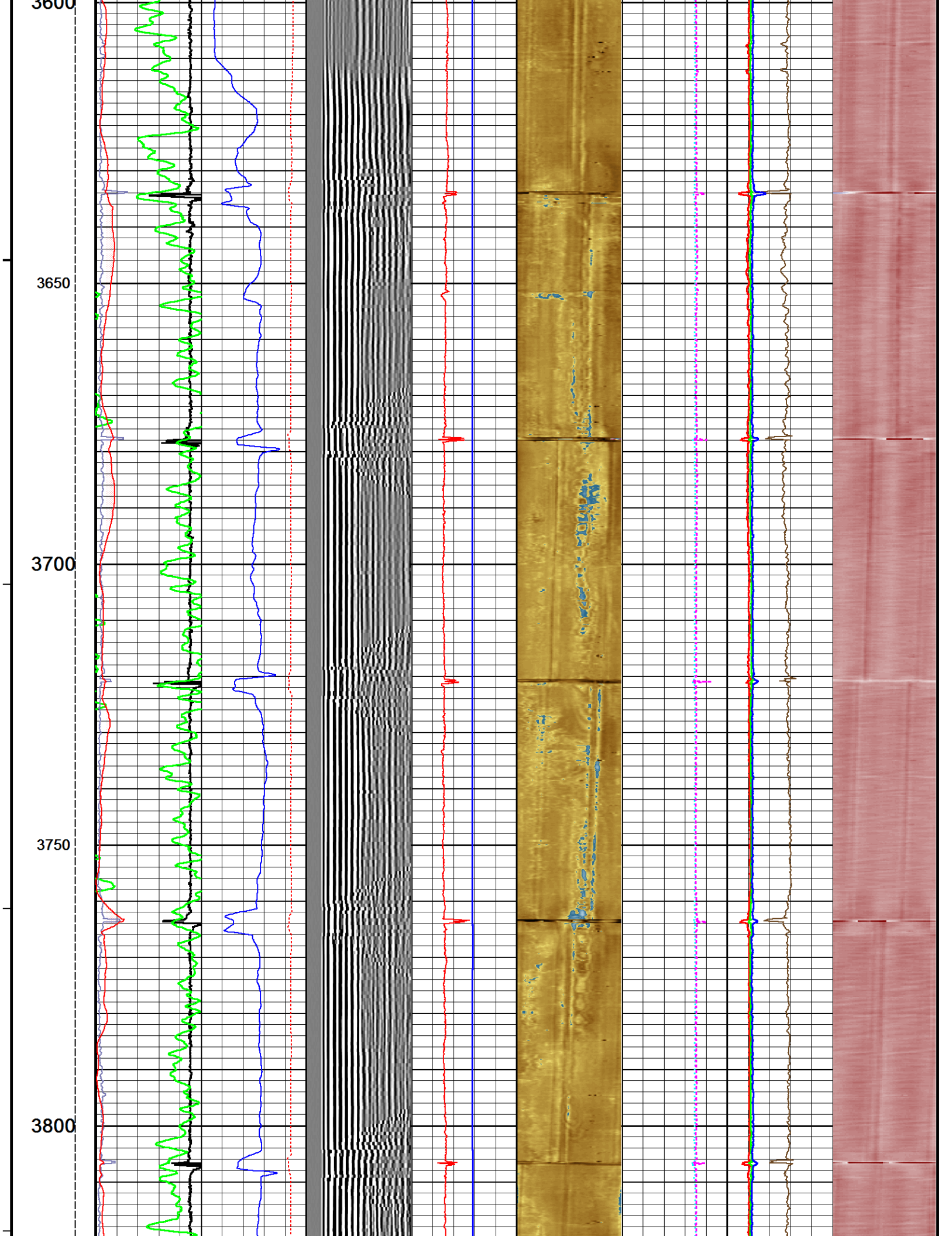




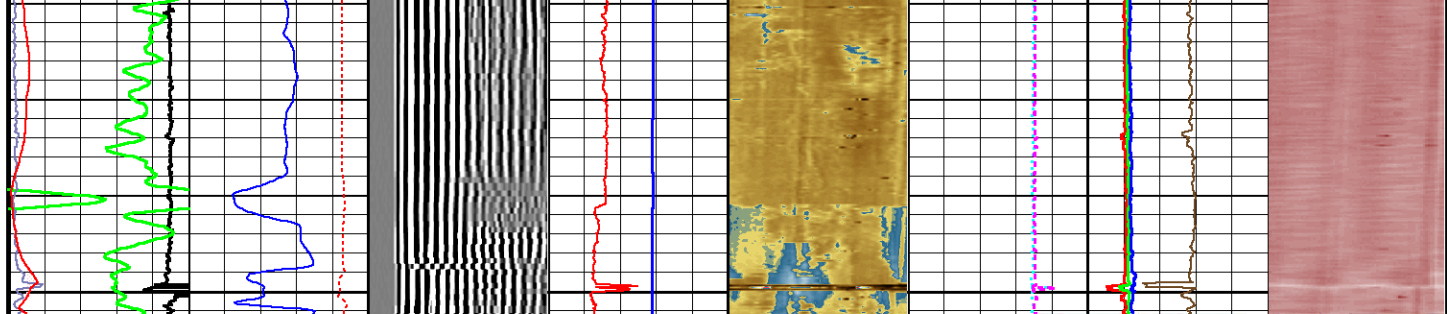


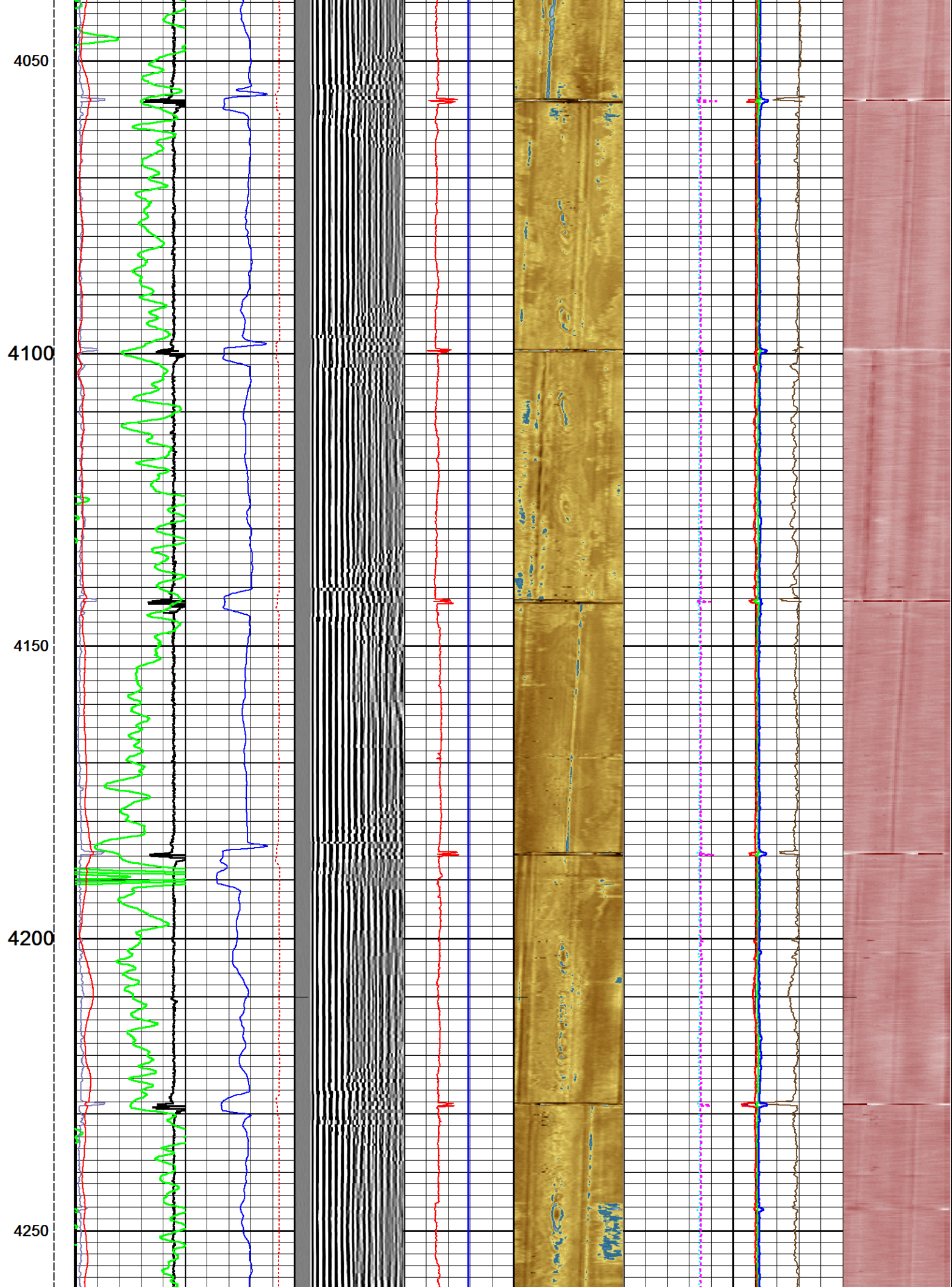


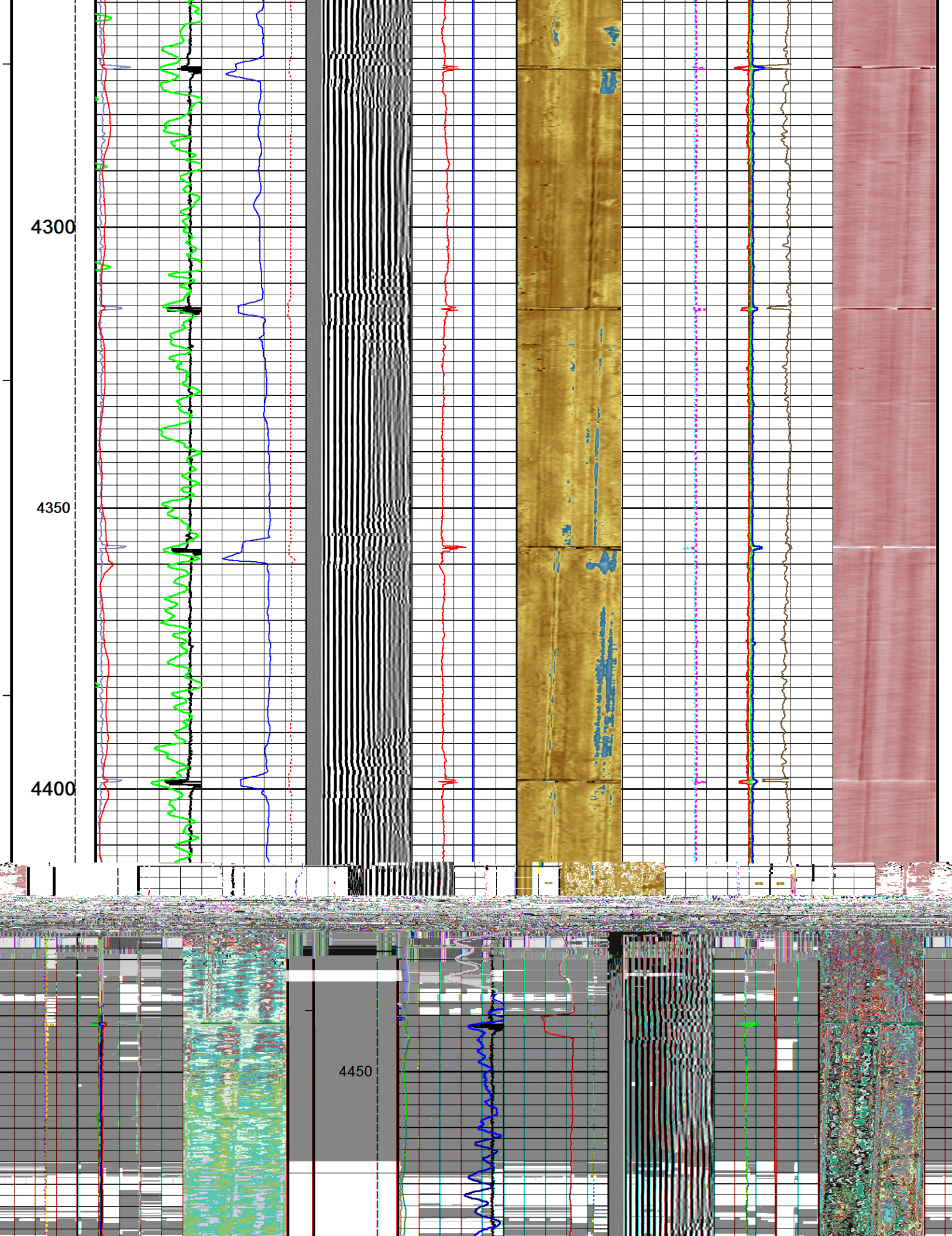


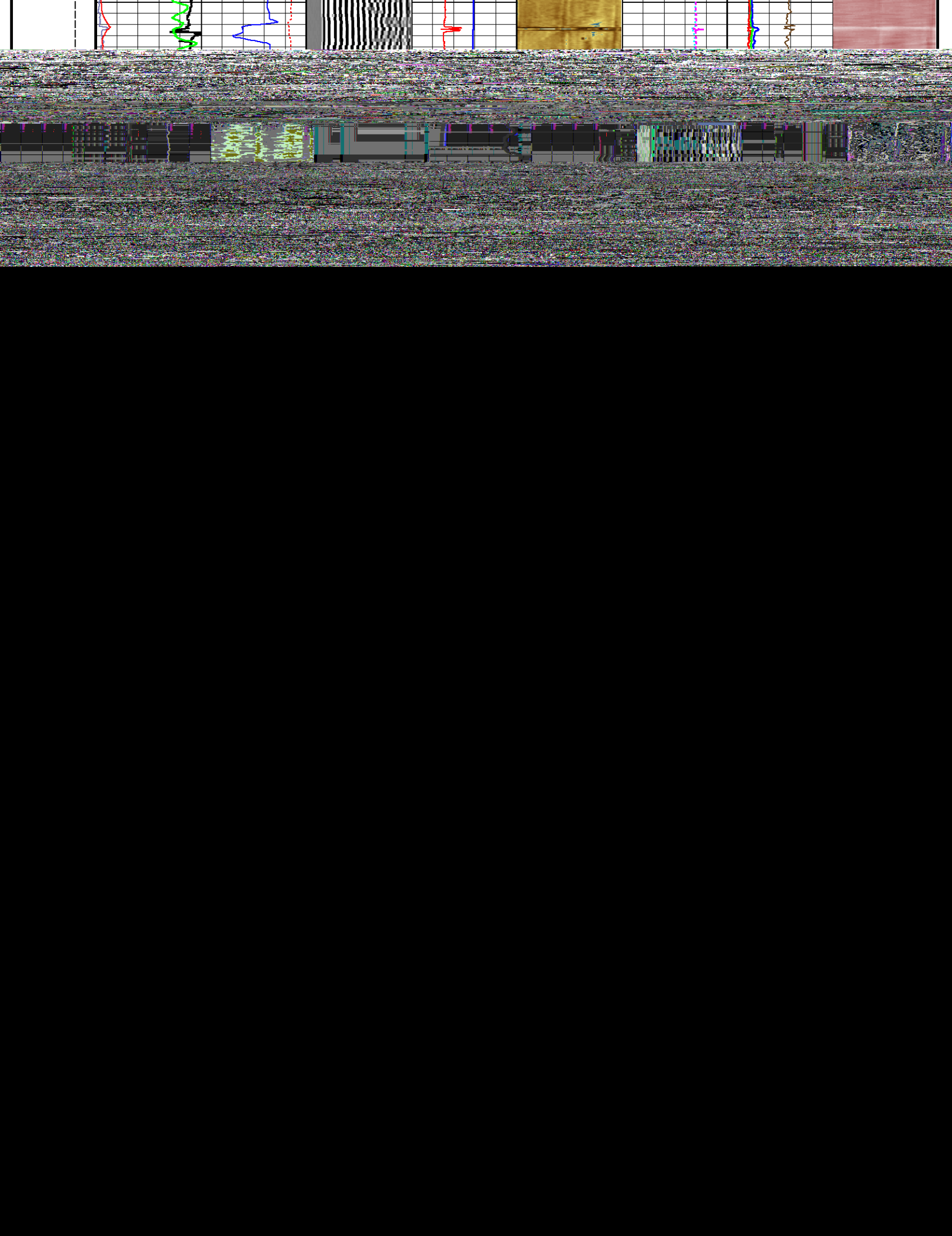


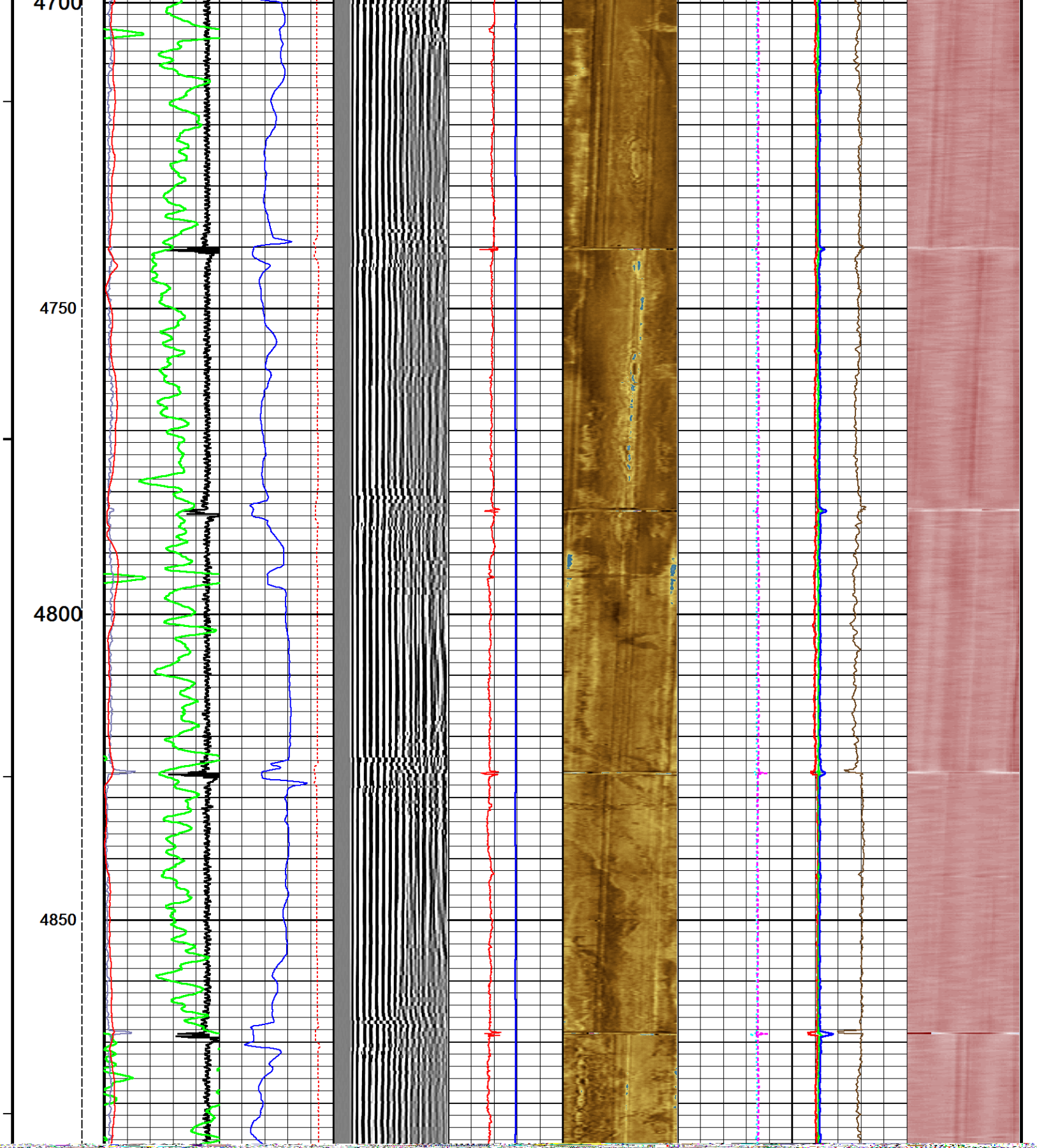
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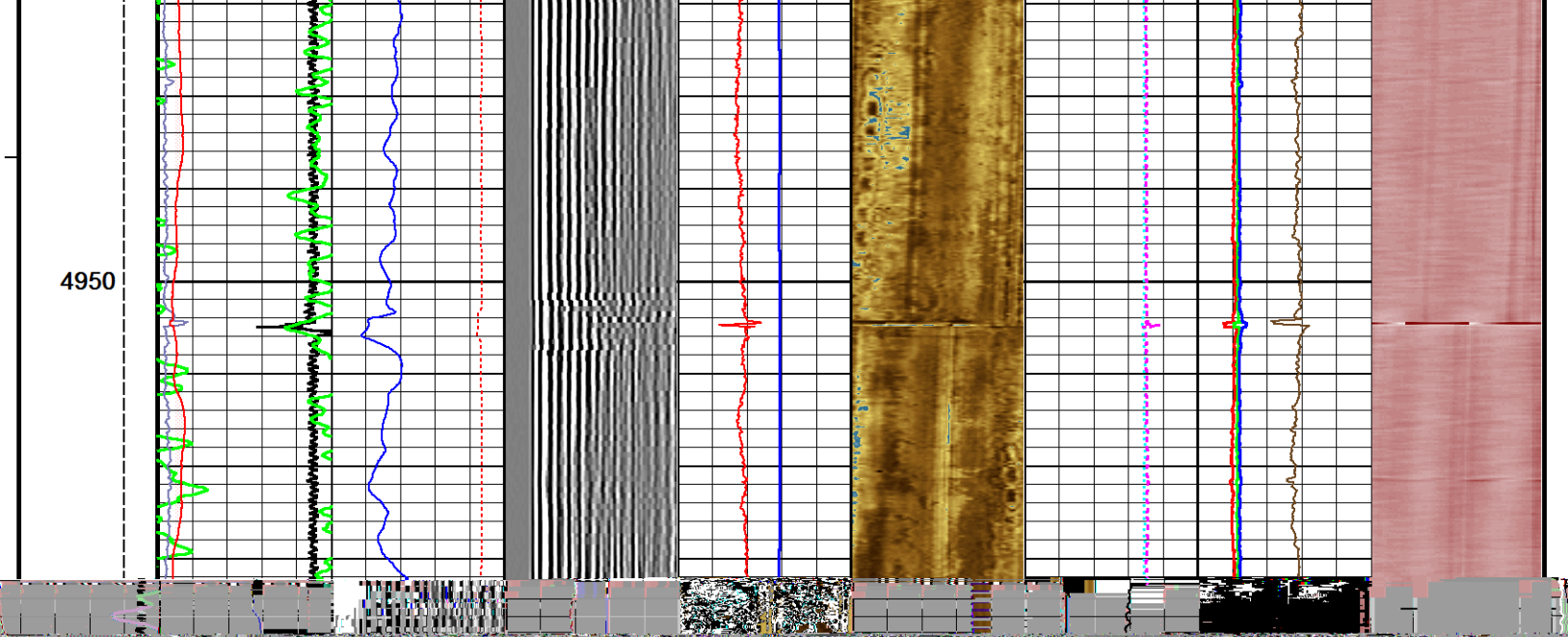




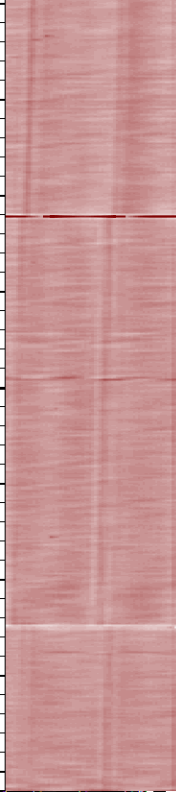
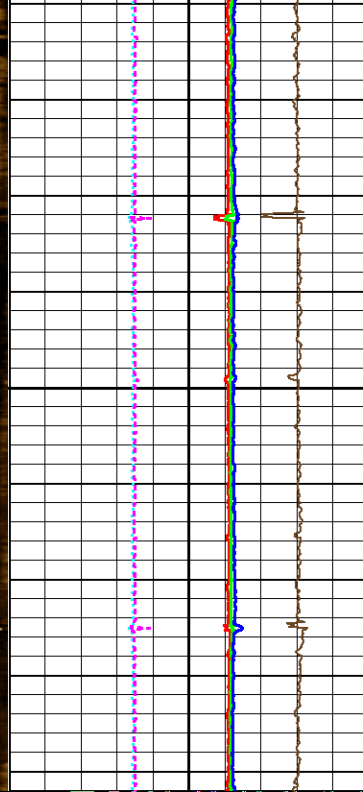
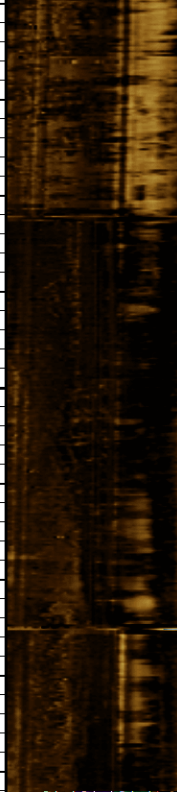
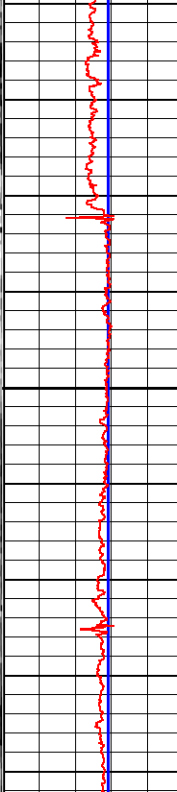
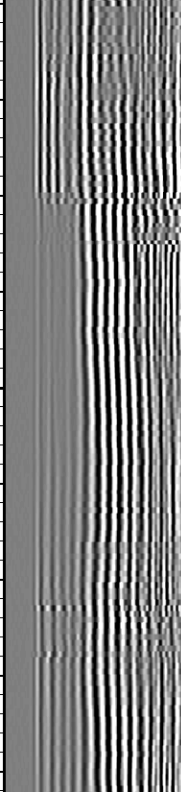
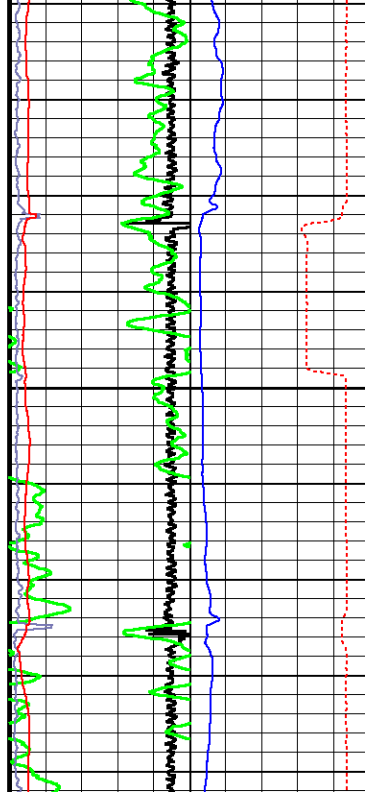


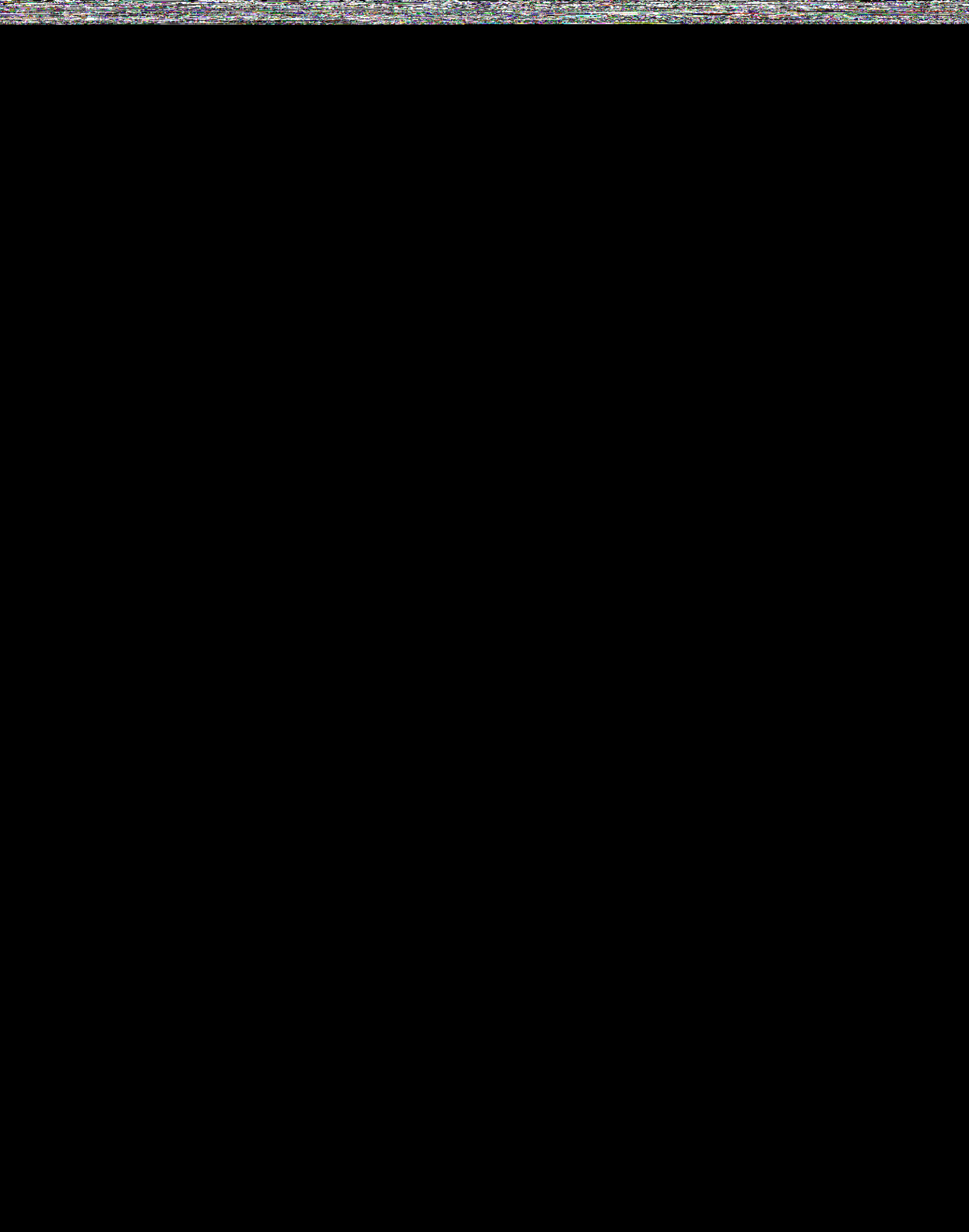
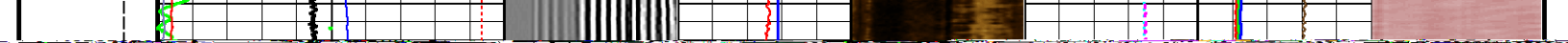


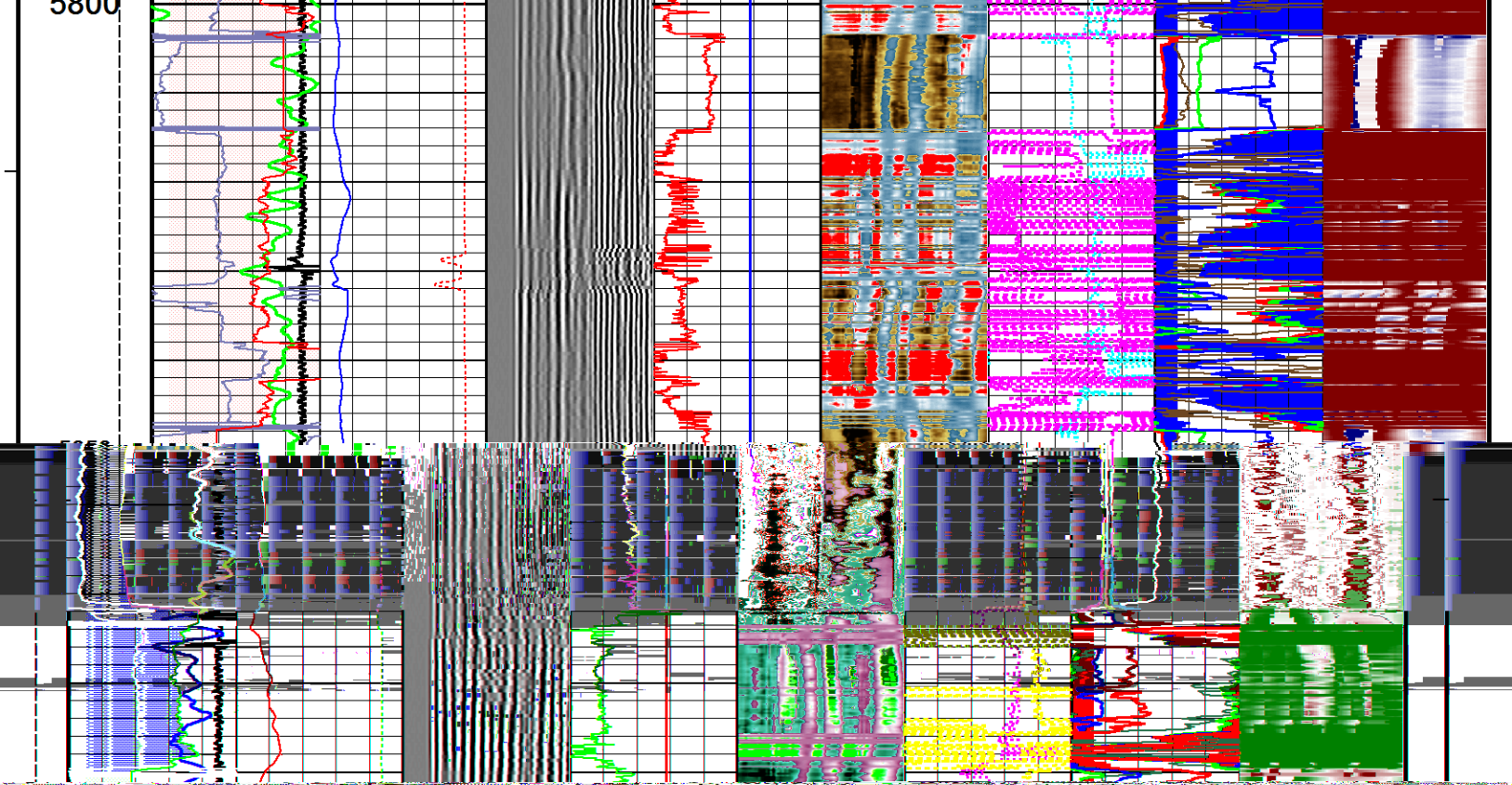
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5400







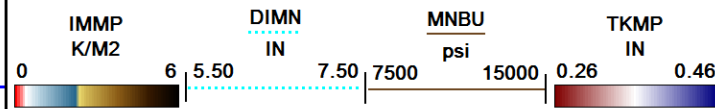
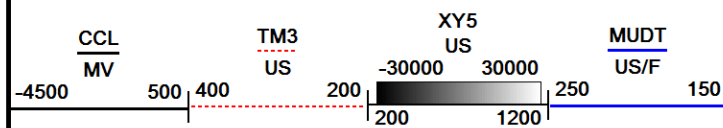
6050

6100

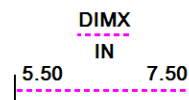
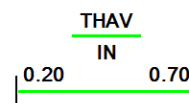
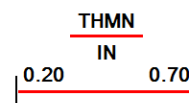
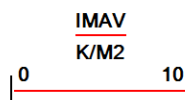
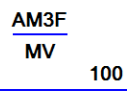
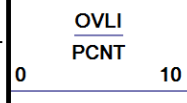
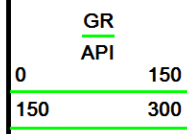
6150

6166

Depth
in
Feet



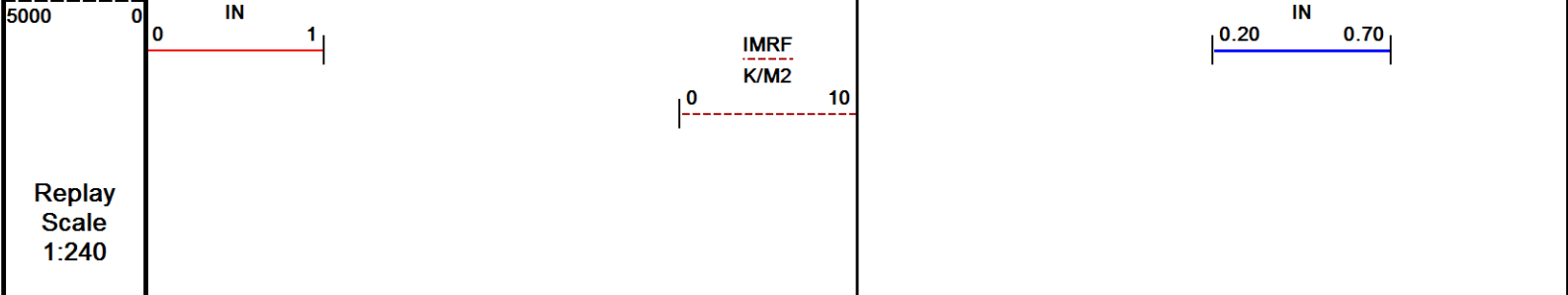
Timing
Marks
every
60.0 sec



THMX

TENS

ECCE

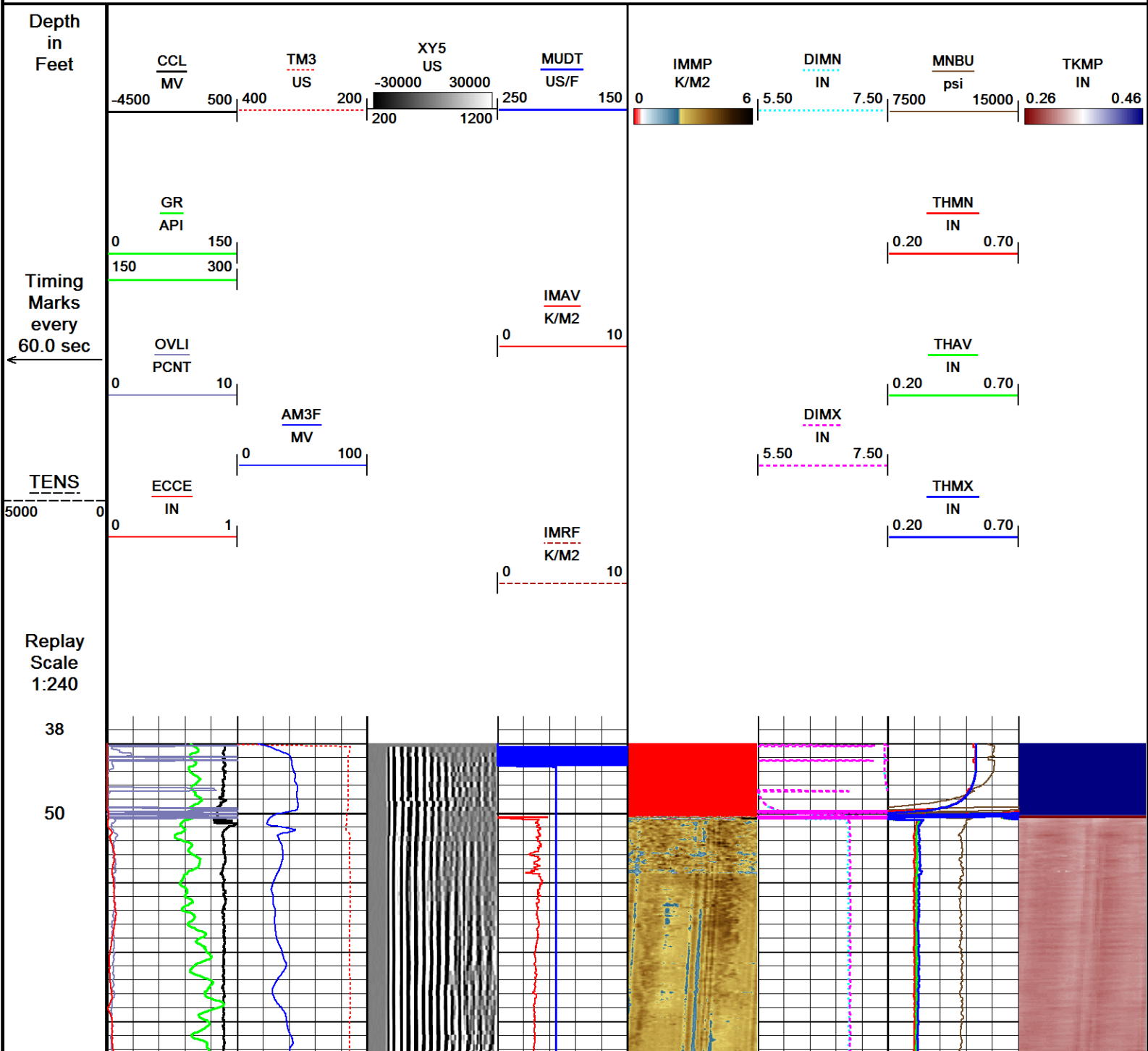


Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 03-JUN-2018 15:18
Filename: C:\Job Data\...IBONANZA CREEK_NORTH PLATTE K-35-34MRLNB_URS-CBT_FINAL.dta Recorded on 03-JUN-2018 14:17
System Versions: Processed with 18.01.5248 Plotted with 18.01.5248

↑ MAIN PASS ↑

↓ REPEAT PASS ↓

Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 03-JUN-2018 15:18
Filename: C:\Jo...IBONANZA CREEK_NORTH PLATTE K-35-34MRLNB_URS-CBT_REPEAT_001.dta Recorded on 03-JUN-2018 14:59
System Versions: Logged with 18.01.5248 Plotted with 18.01.5248



100

150

200

250

274

Depth
in
Feet

CCL
MV

TM3
US

XY5
US

MUdT
US/F

IMMP
K/M2

DIMN
IN

MNBU
psi

TKMP
IN

-4500 500

400 200

-30000 30000
200 1200

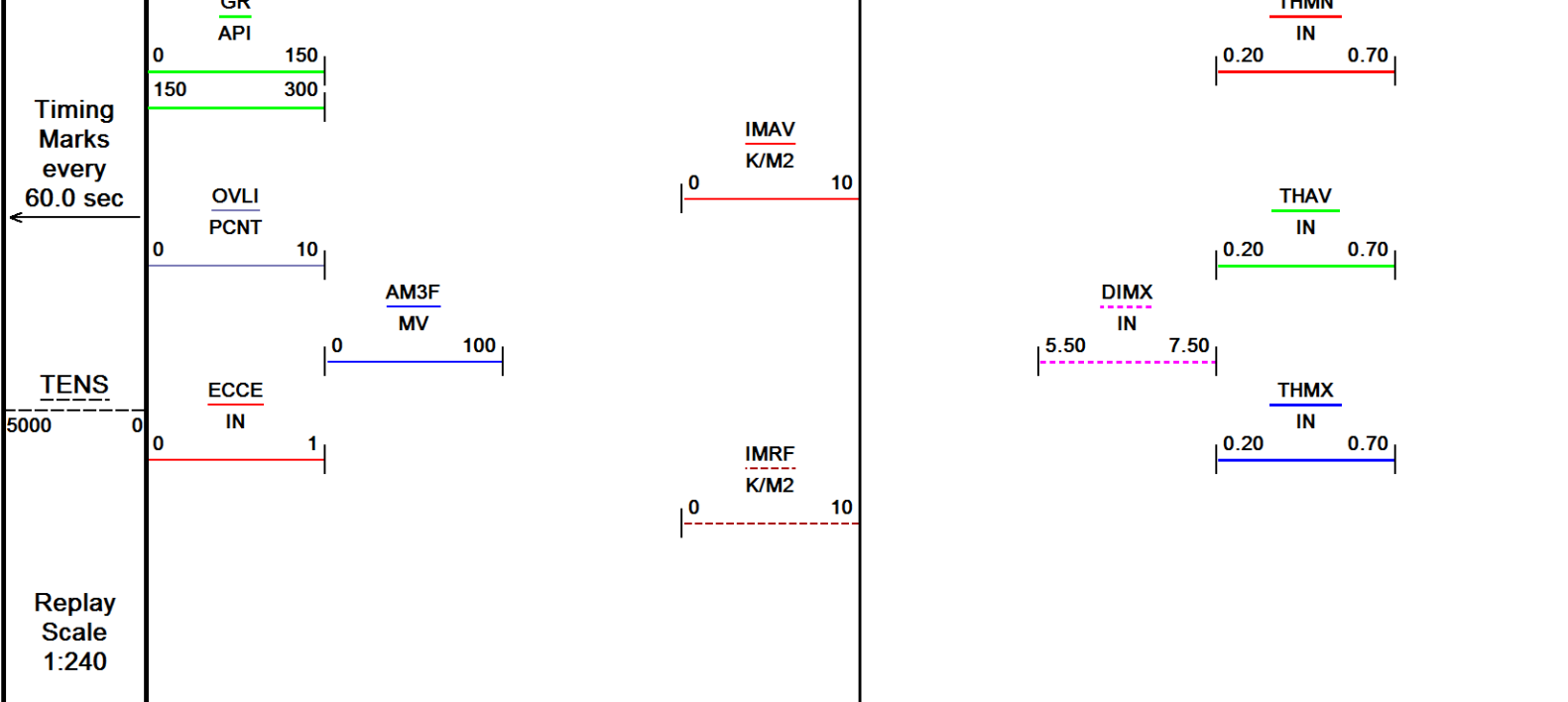
250 150

0 6

5.50 7.50

7500 15000

0.26 0.46



↑ REPEAT PASS ↑

DOWNHOLE EQUIPMENT

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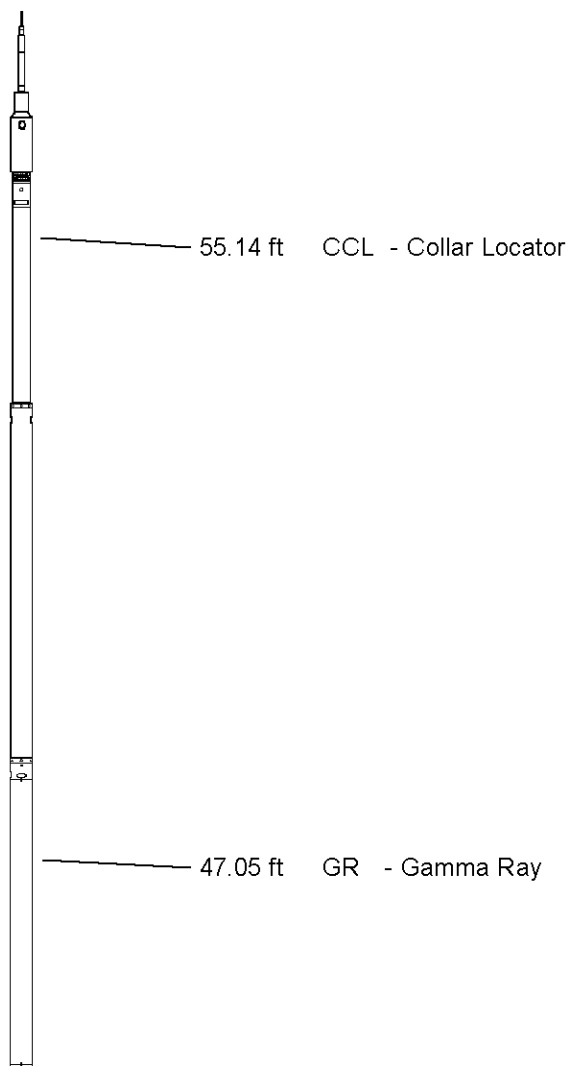
Mono-Cablehead
MCH-AA 0 LG: 1.03 ft WT: 2.2 lb OD: 1.457 in

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



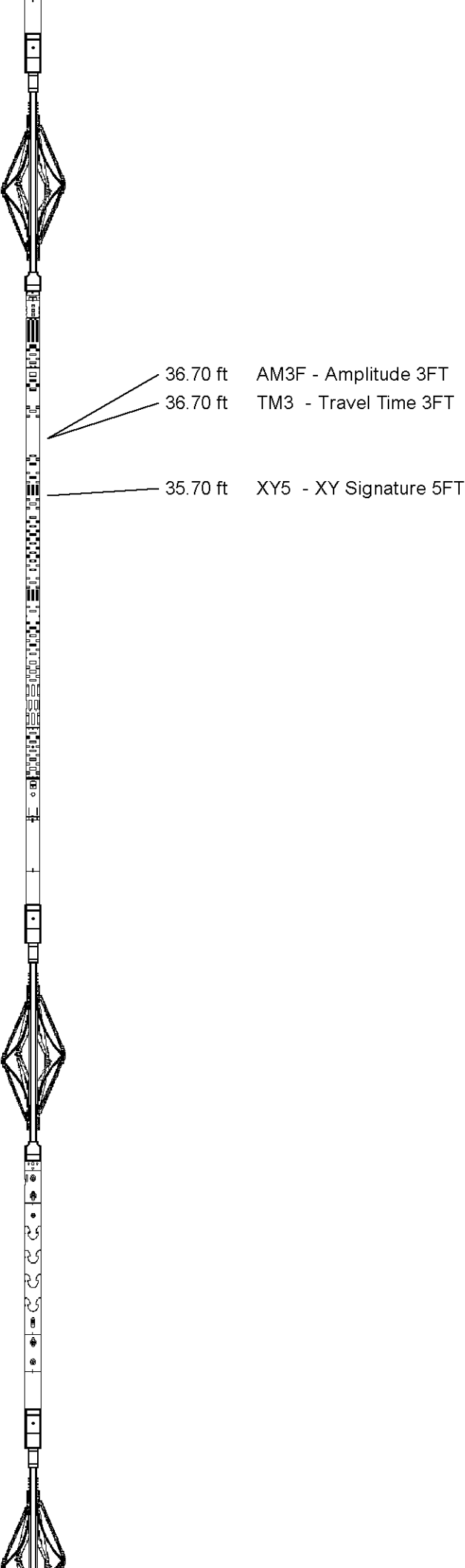
55 pin Roller Centralizer
CEN-XA 196 LG: 4.49 ft WT: 86.0 lb OD: 3.386 in

Cement Bond Tool
CBT-AA 111 LG: 10.75 ft WT: 163.1 lb OD: 3.386 in

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

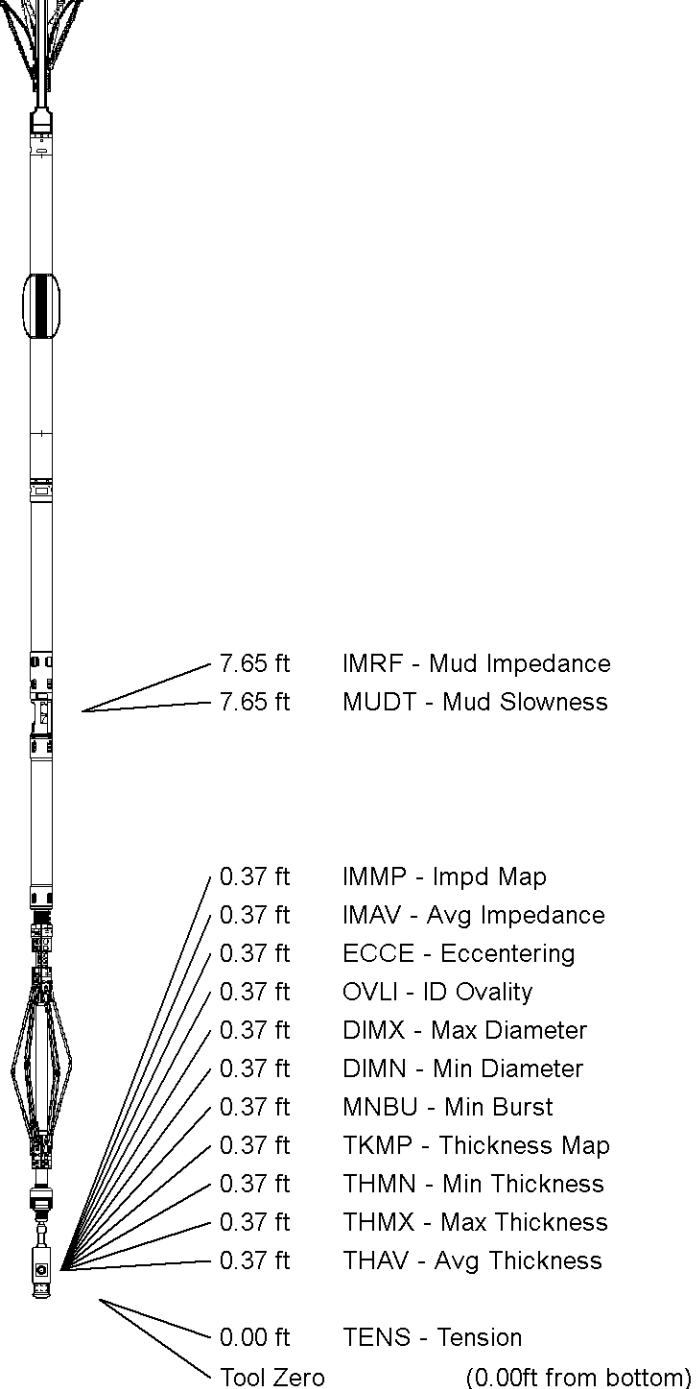


URS Electronics Cartridge
UCC-AA 191 LG: 4.51 ft WT: 79.4 lb OD: 3.386 in

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 K-35-3...\BONANZA CREEK_NORTH PLATTE K-35-34MRLNB_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

Cement Bond Tool Amplitude Field Calibration

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	14129.00	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 K-35-34MRLNB			
FIELD		WATTENBERG			
PROVINCE/COUNTY		WELD			
COUNTRY/STATE		UNITED STATES / COLORADO			
Elevation Kelly Bushing	4567	feet	Bottom Log Interval	6150.00	feet
Elevation Drill Floor	4567	feet	Depth Driller	14129.00	feet
Elevation Ground Level	4550	feet	Depth Logger	6150.00	feet
		SECUREVIEW			
		ULTRAVIEW / BONDVIEW			
		LOG			