



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company TEP Rocky Mountain LLC
Well Federal WMC 444-24-794
Field Rulison
County Garfield
State Colorado

Company TEP Rocky Mountain LLC
Well Federal WMC 444-24-794
Field Rulison
County Garfield State Colorado

Location: API # : 05-045-24542

Other Services

SEC 19 TWP 7S RGE 93W

Elevation

Permanent Datum Ground Level Elevation 8563'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
K.B. 8593 FT
D.F. 8592 FT
G.L. 8563 FT

Date

01-MAR-2023

Run Number

One

Depth Driller

11334 FT

Depth Logger

11278 FT

Bottom Logged Interval

11270 FT

Top Log Interval

Surface

Open Hole Size

8.75"

Type Fluid

Water

Density / Viscosity

8.34 Lb/Gal

Max. Recorded Temp.

271 °F

Estimated Cement Top

See Log

Time Well Ready

ROA

Time Logger on Bottom

10:55

Equipment Number

8047

Location

Grand Junction

Recorded By

P. Edwards

Witnessed By

D. Welsh

Borehole Record

Run Number

Bit

From

To

Size

Weight

From

To

Tubing Record

Run Number

Size

Weight

From

To

Casing Record

Size

Wgt/Ft

Top

Bottom

Surface String

9-5/8"

36

Surface

1145 FT

Prot. String

Production String

4-1/2"

11.6

Surface

11324 FT

Liner

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments



Log is correlated to 30' K.B.
Marker joint logged @ 7260 FT - 7270 FT
Log ran with 0 PSI at surface

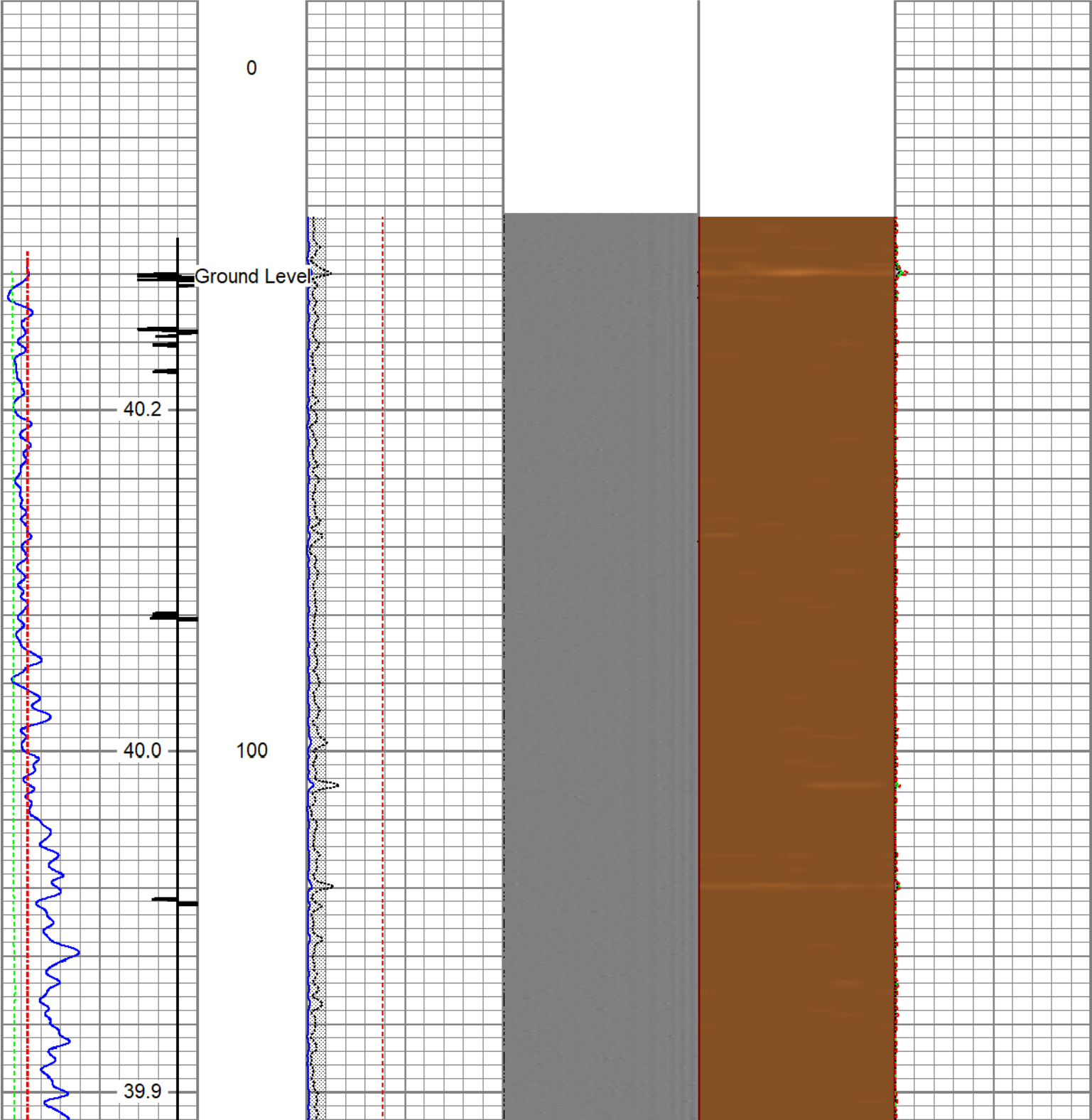
Thank you for choosing The Wireline Group!

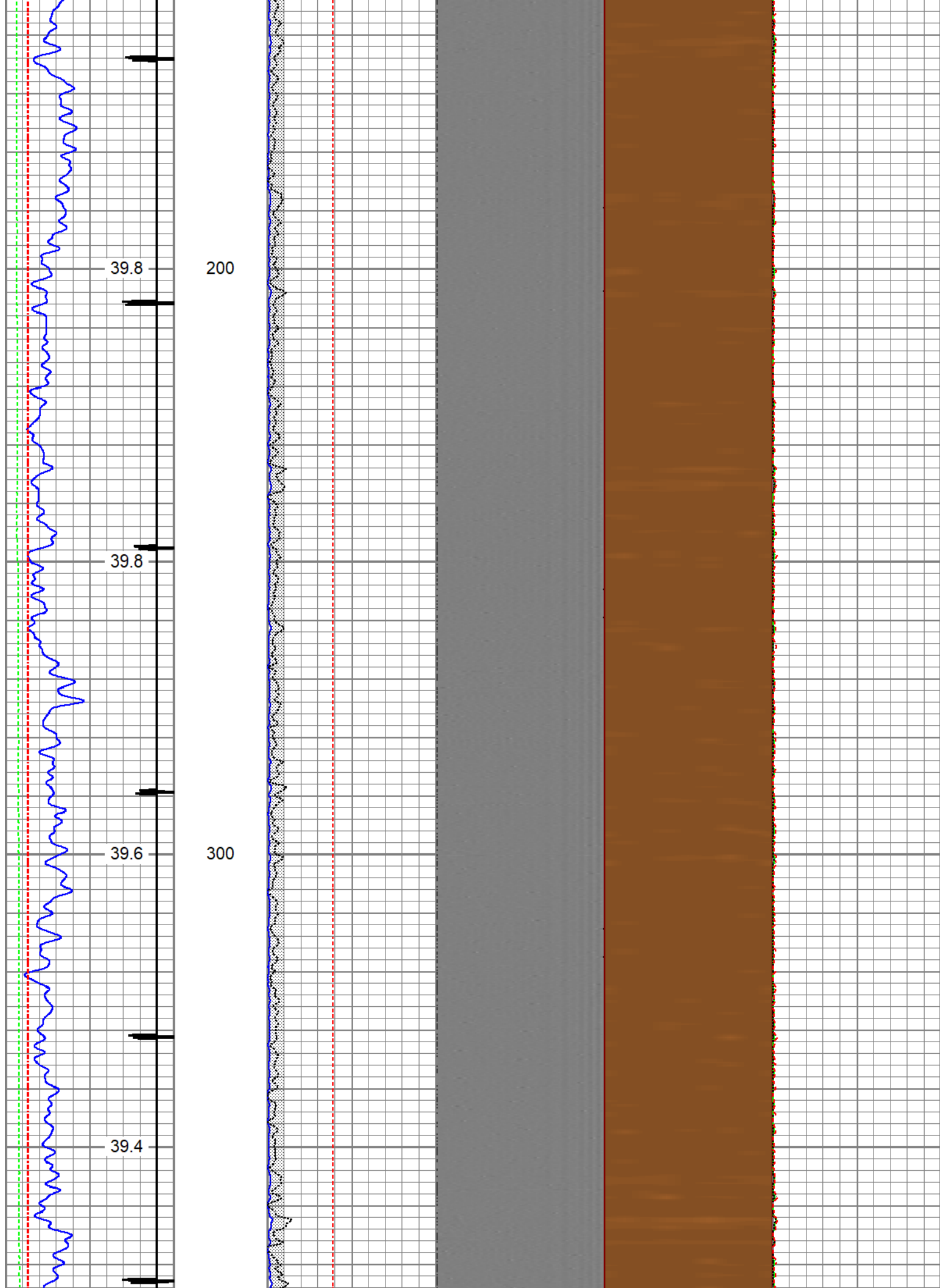


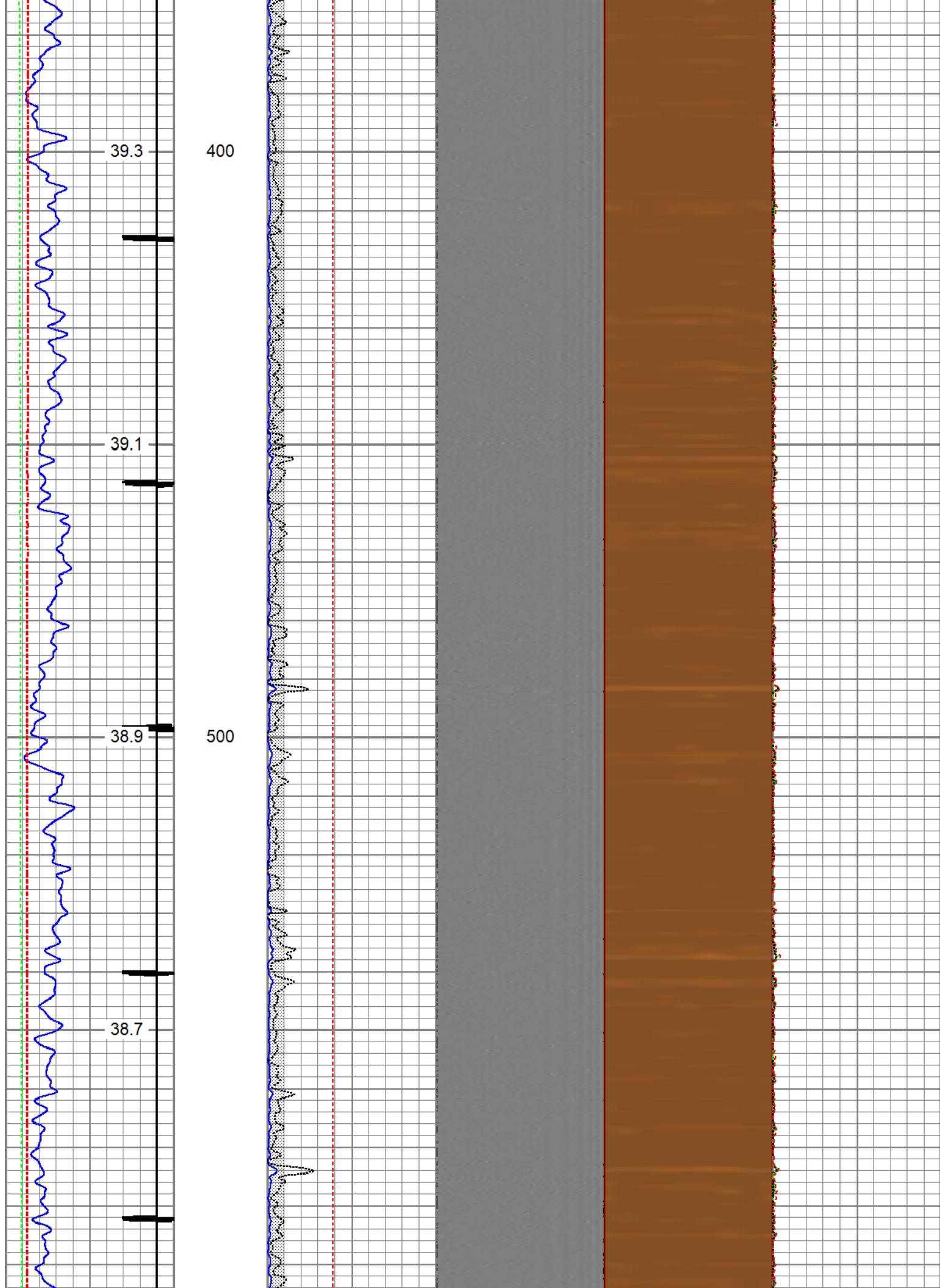
Main Pass 5" = 100'

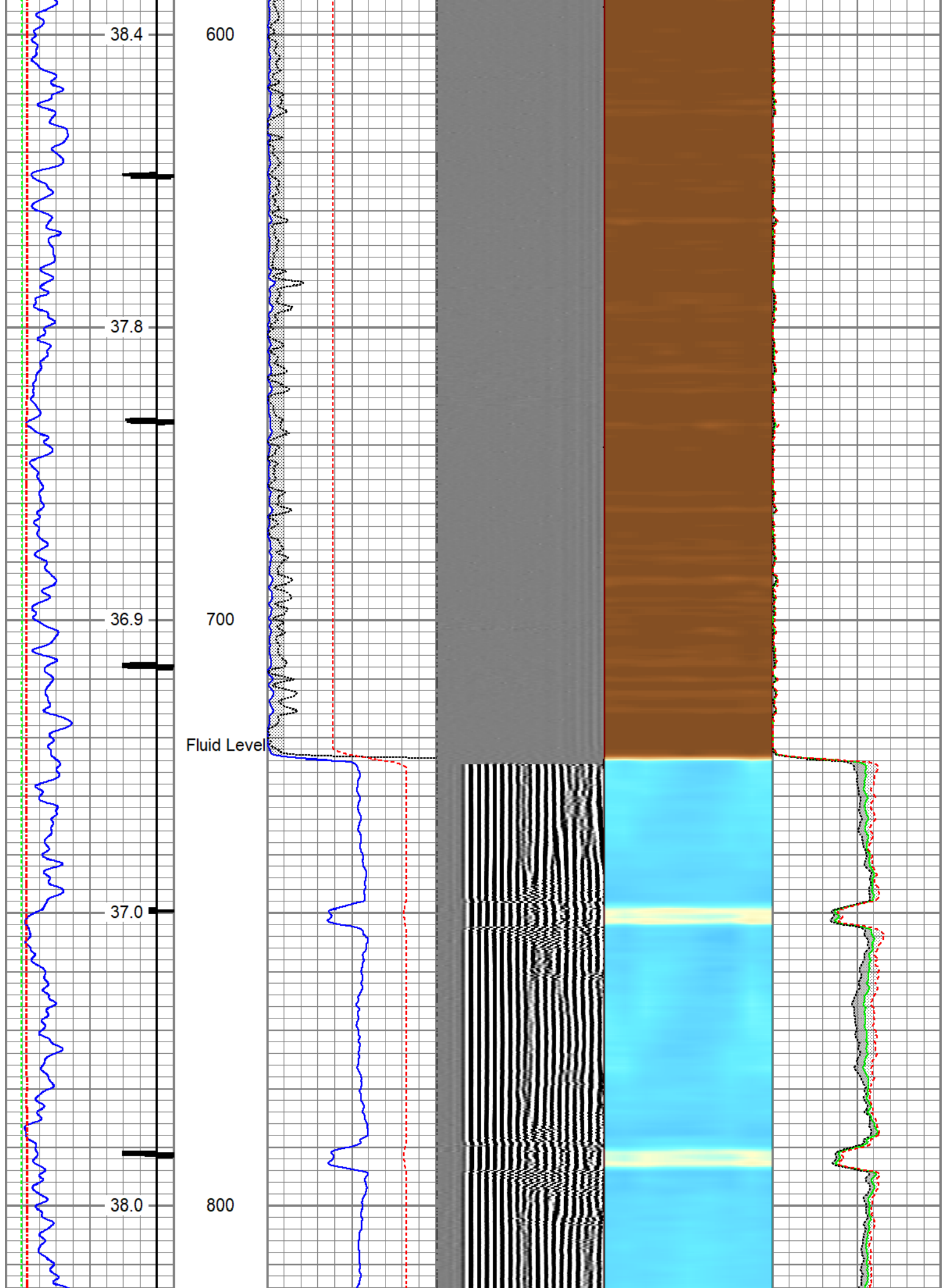
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Dataset Pathname	main
Presentation Format	twgrcbl
Dataset Creation	Wed Mar 01 10:55:51 2023
Charted by	Depth in Feet scaled 1:240

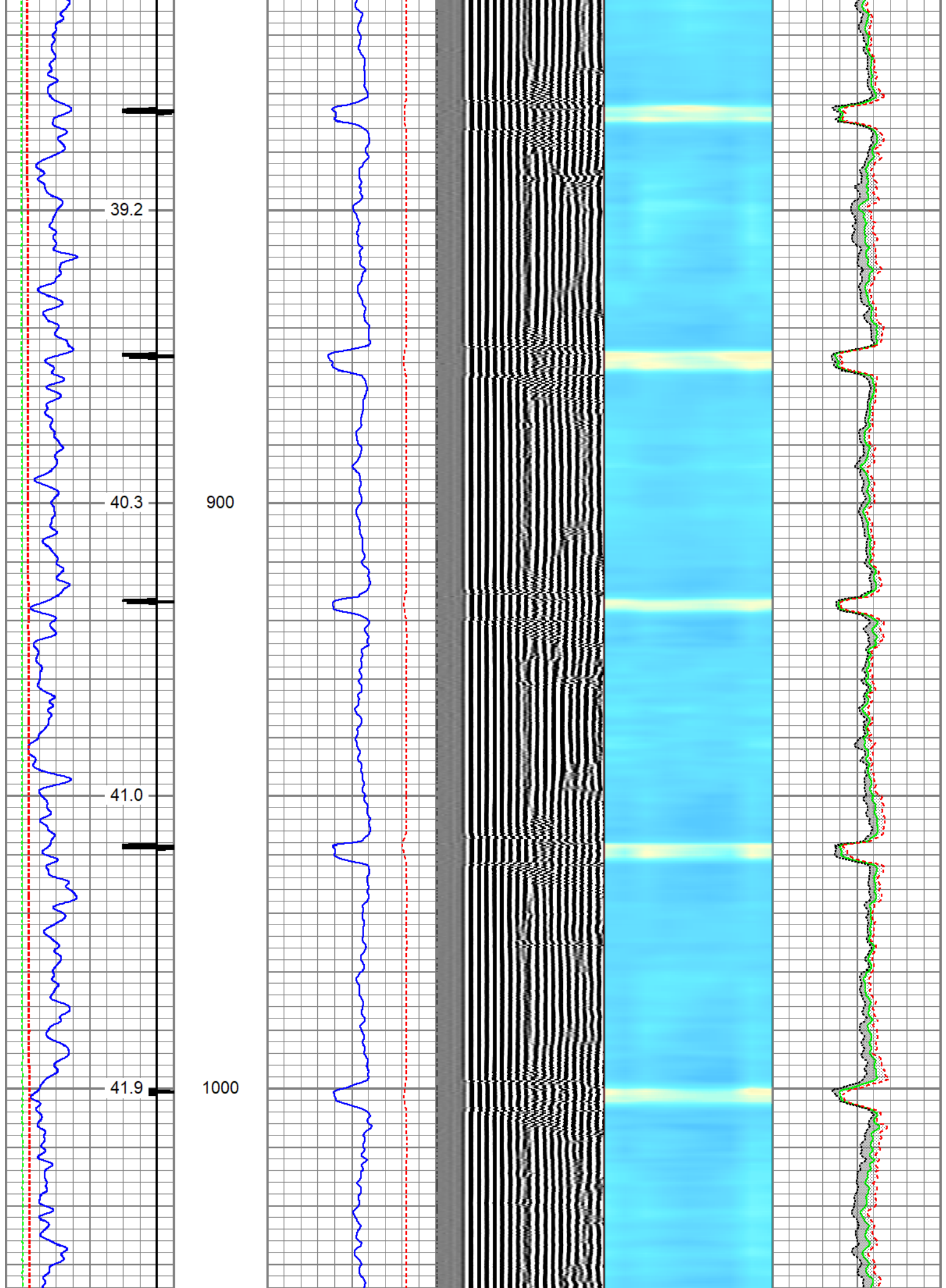
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Minimum Amplitude
0 (lb) 4000		0 (mV) 20			0 120
-9 CCL 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

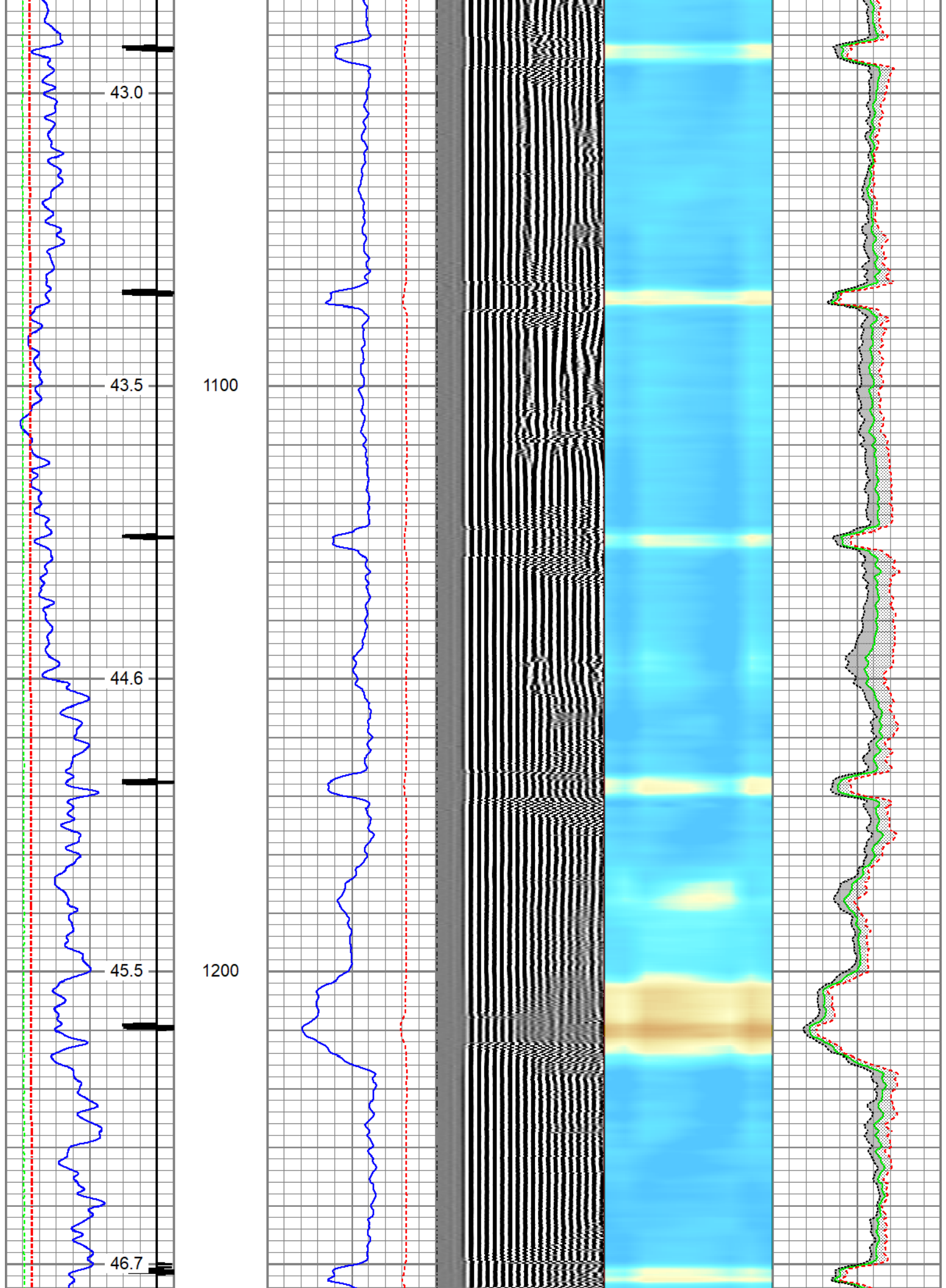


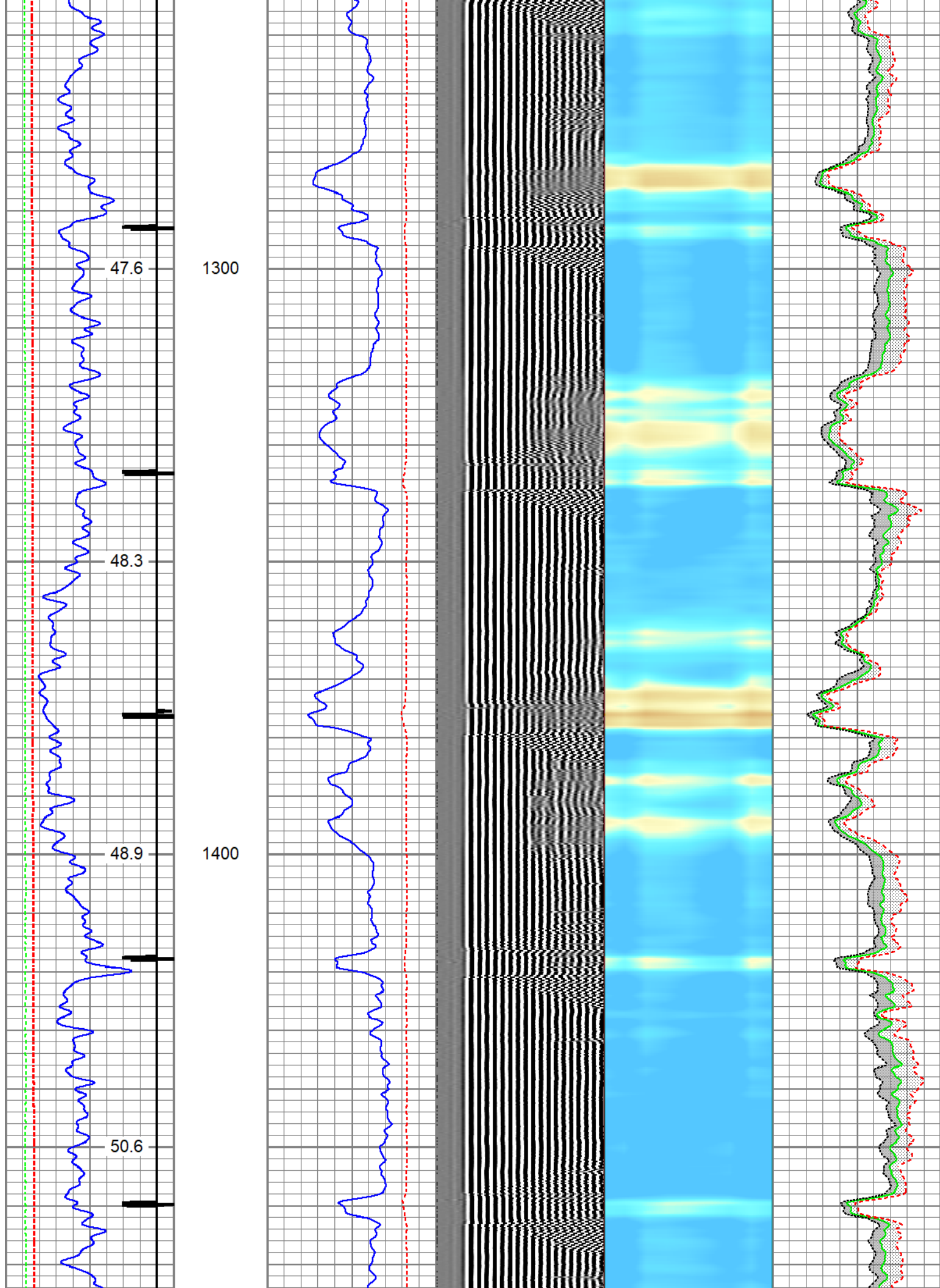


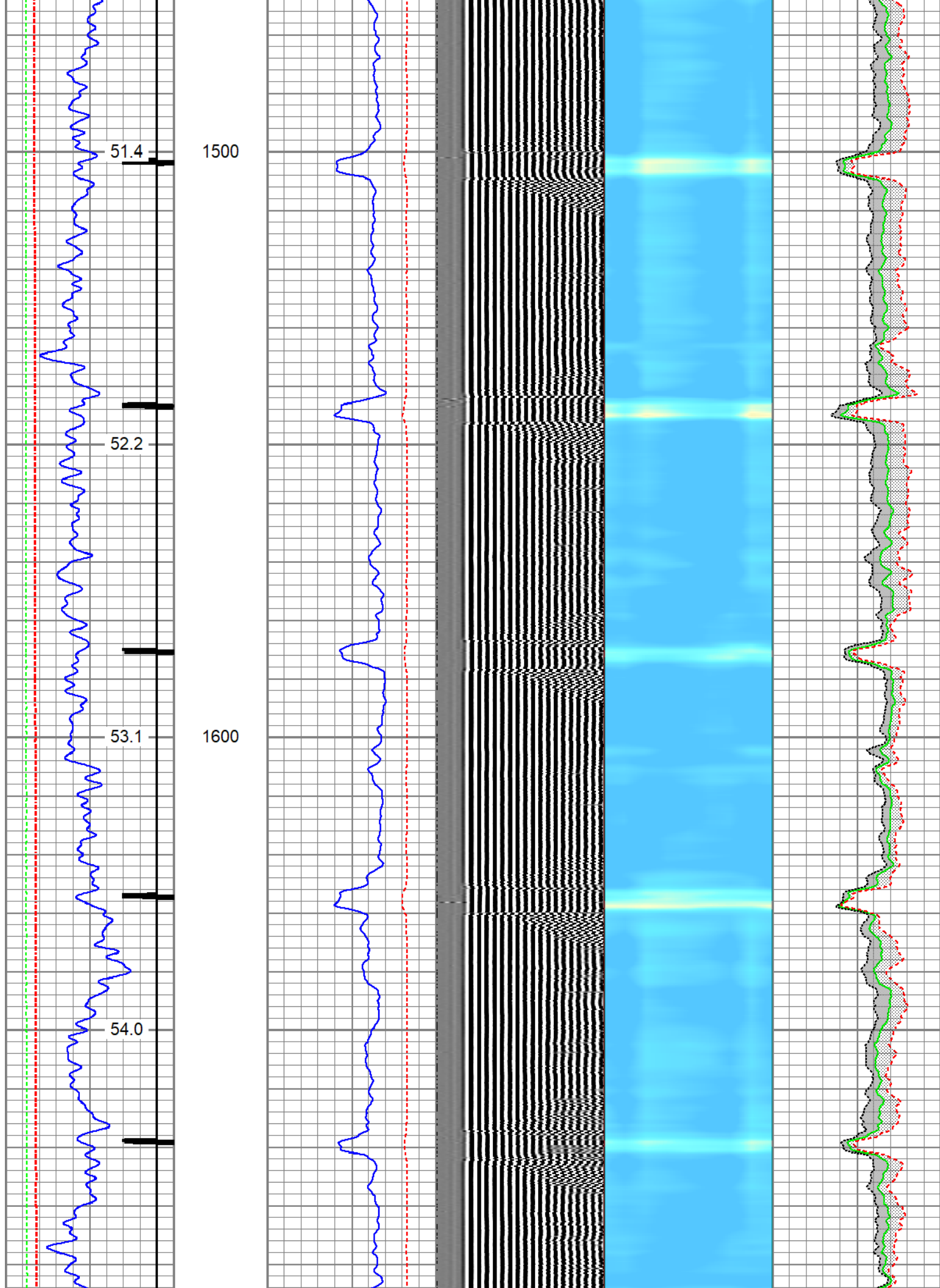


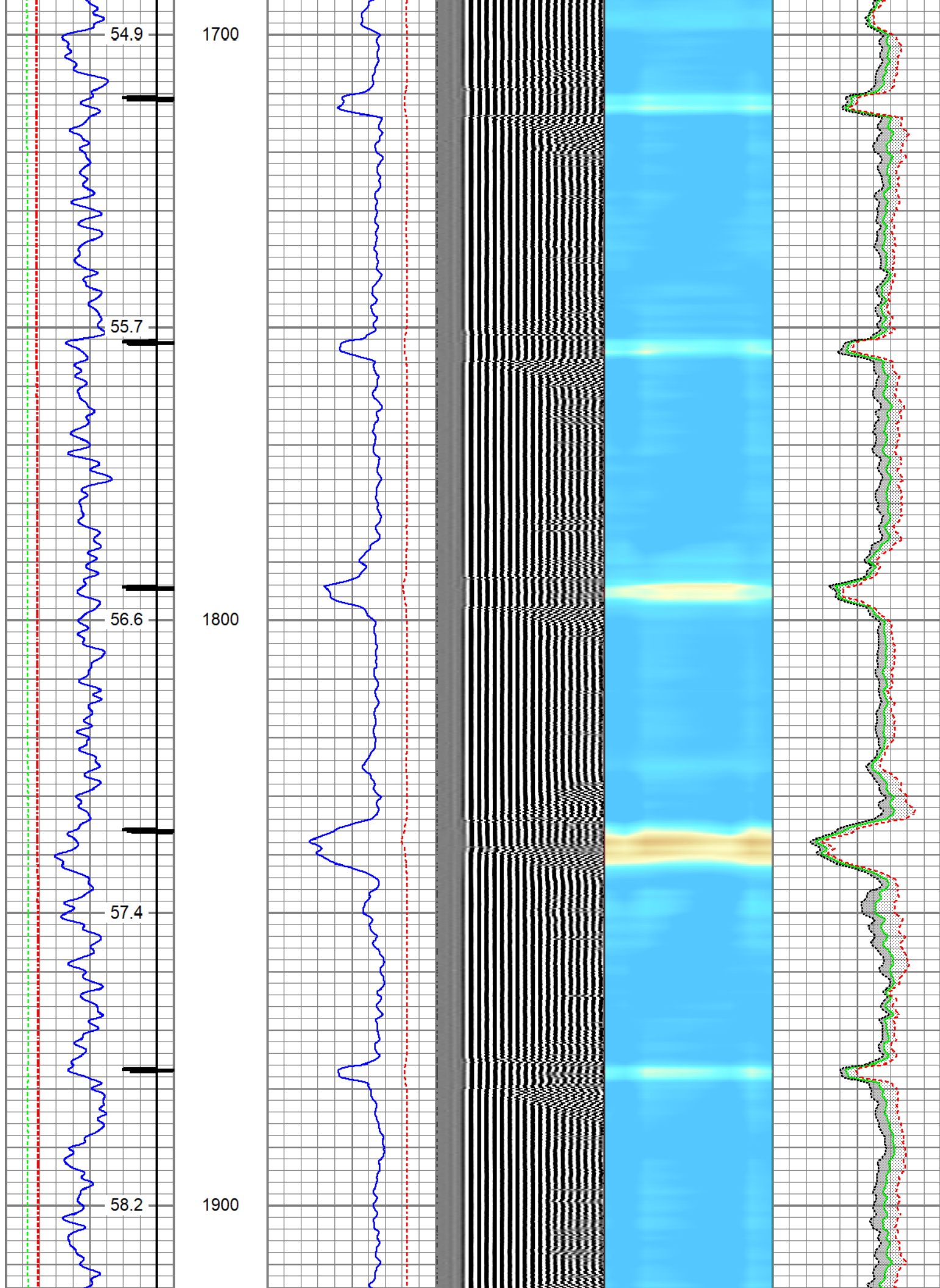


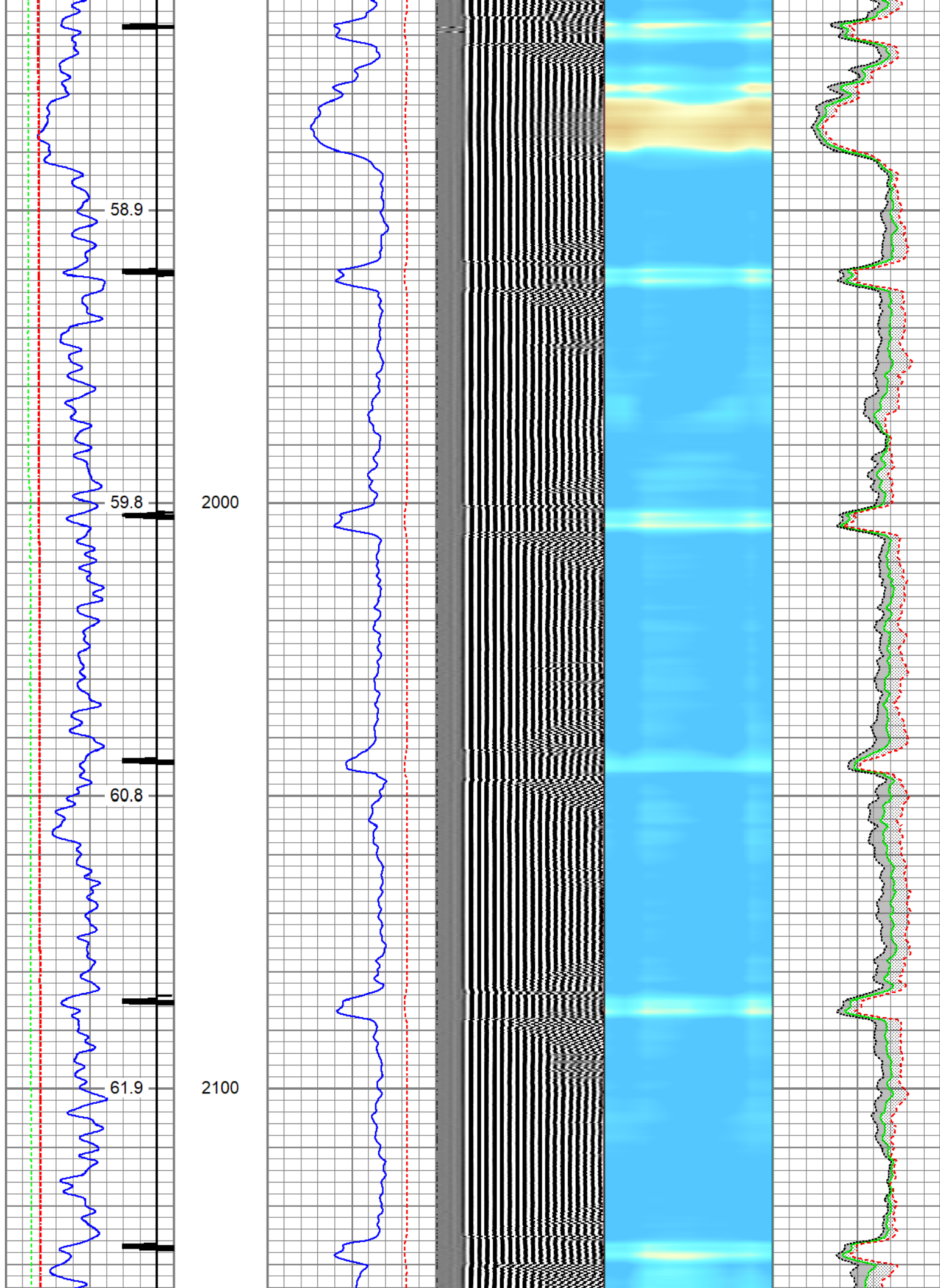


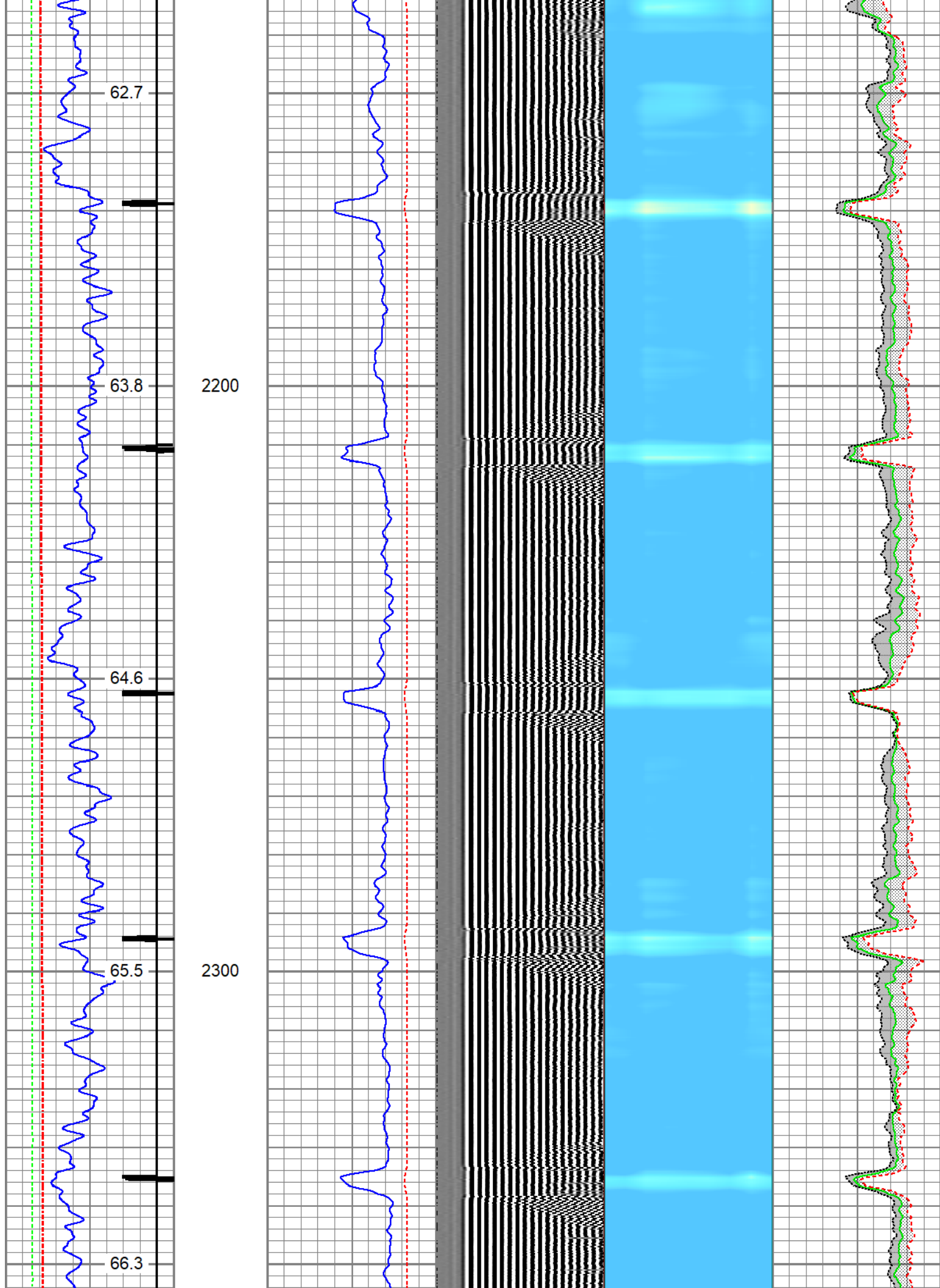


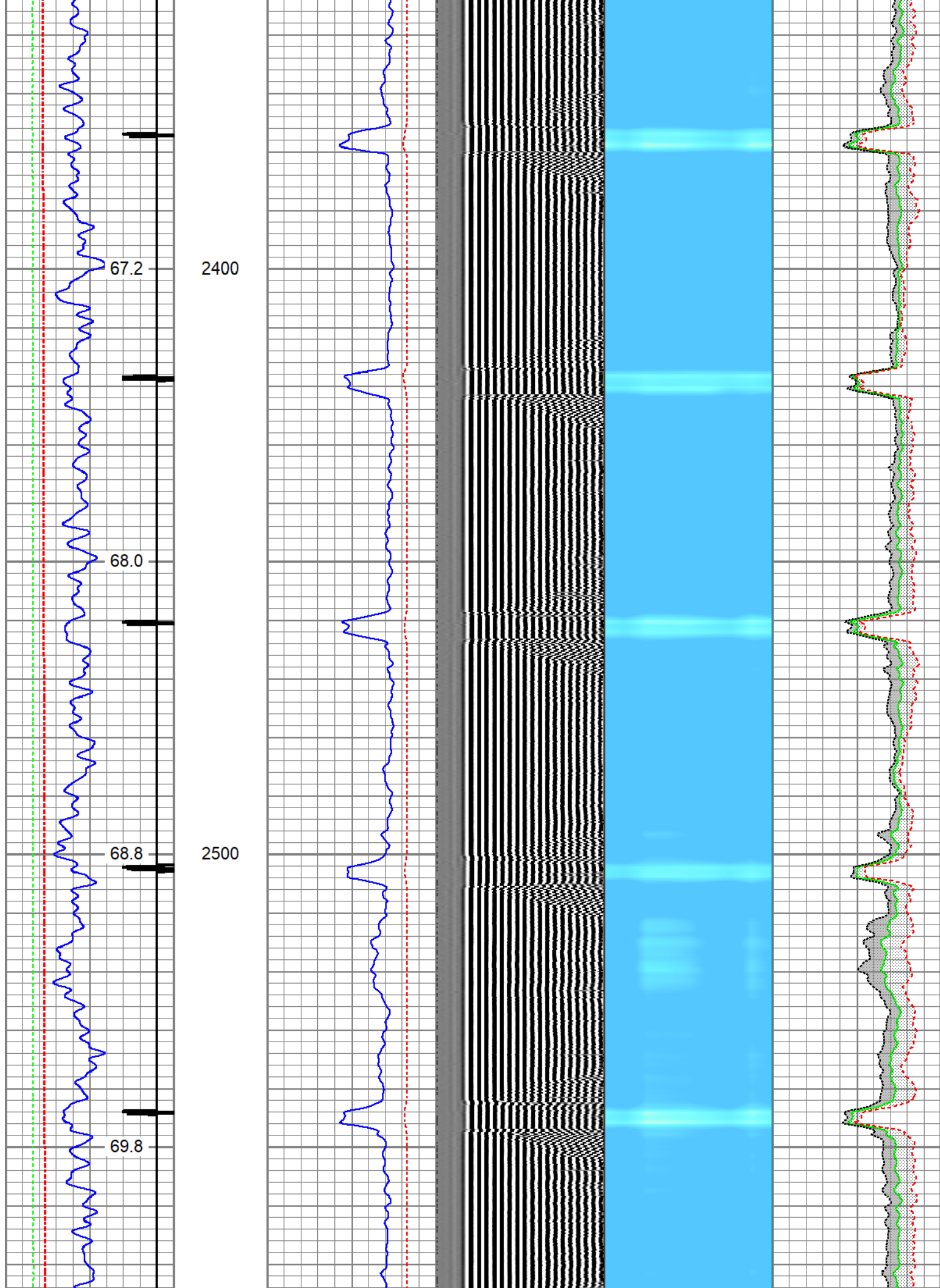


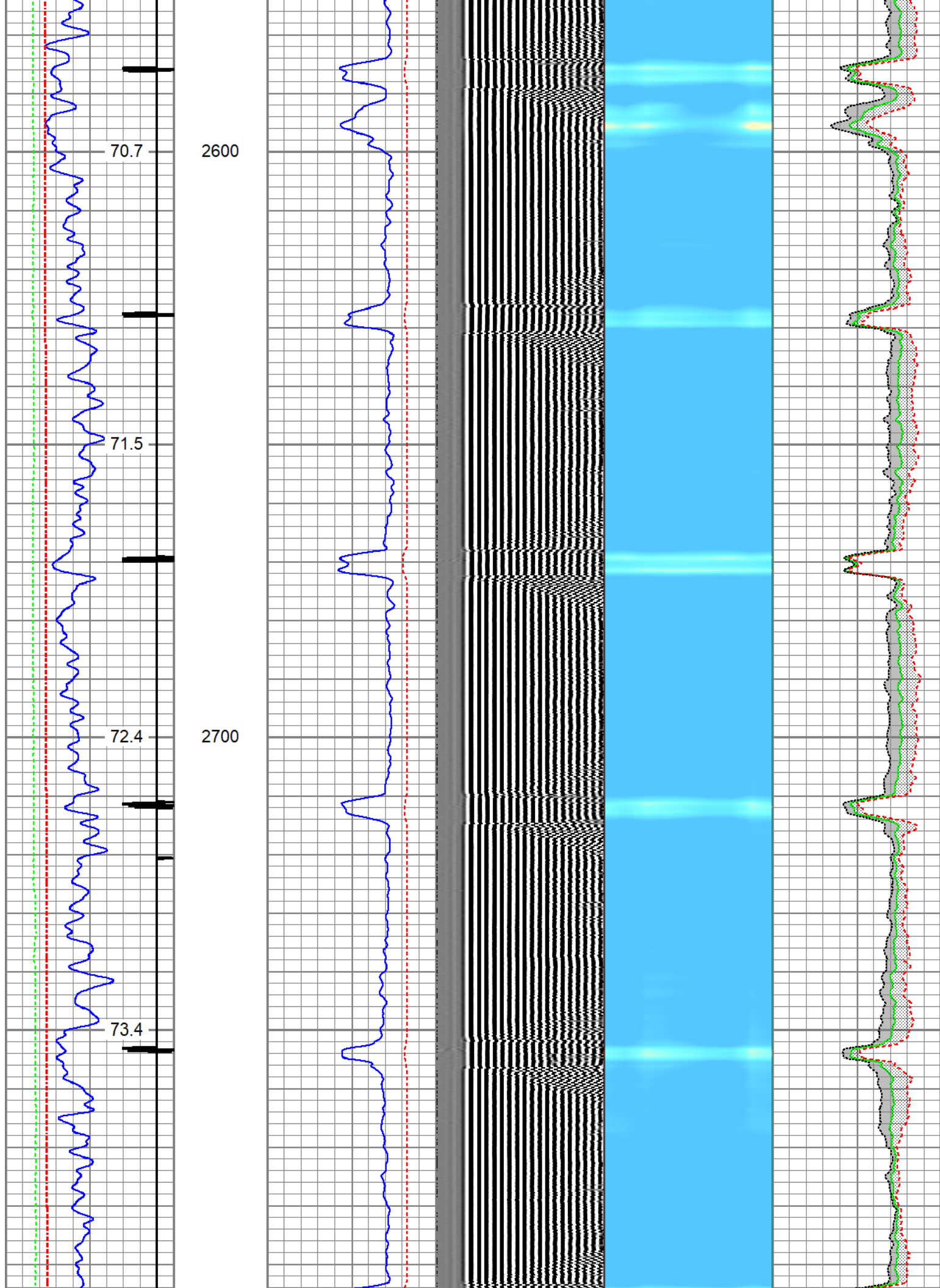


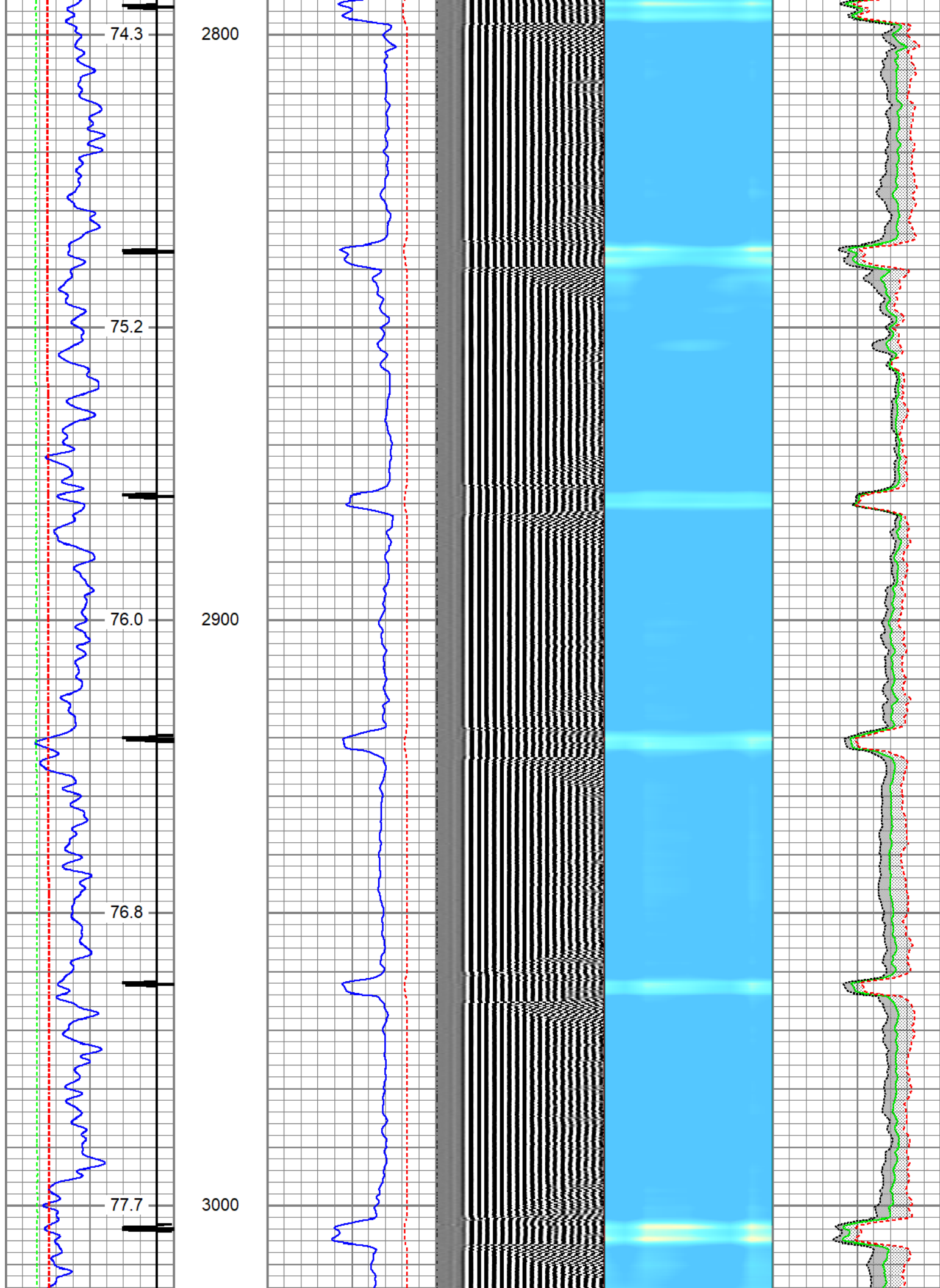


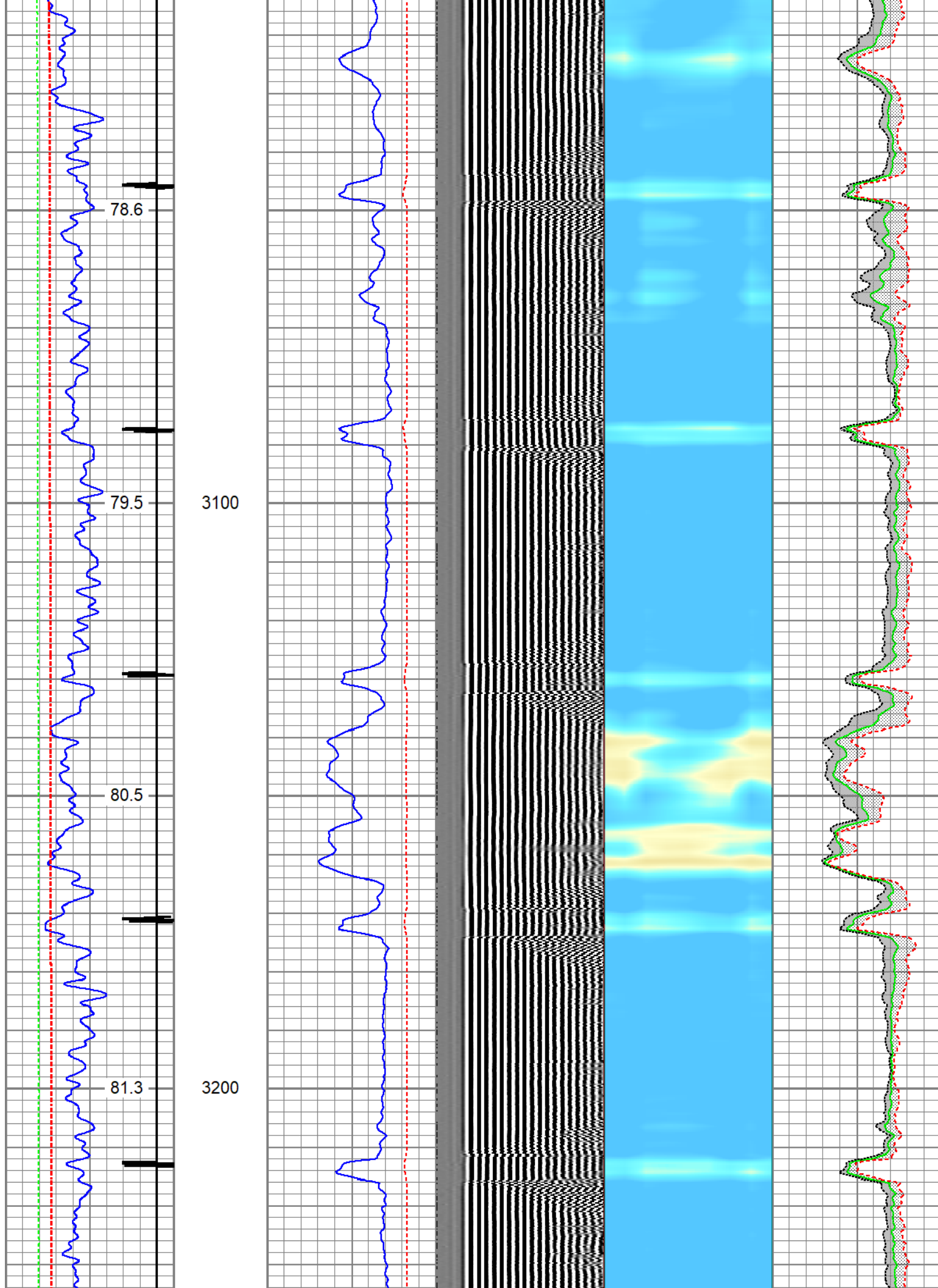


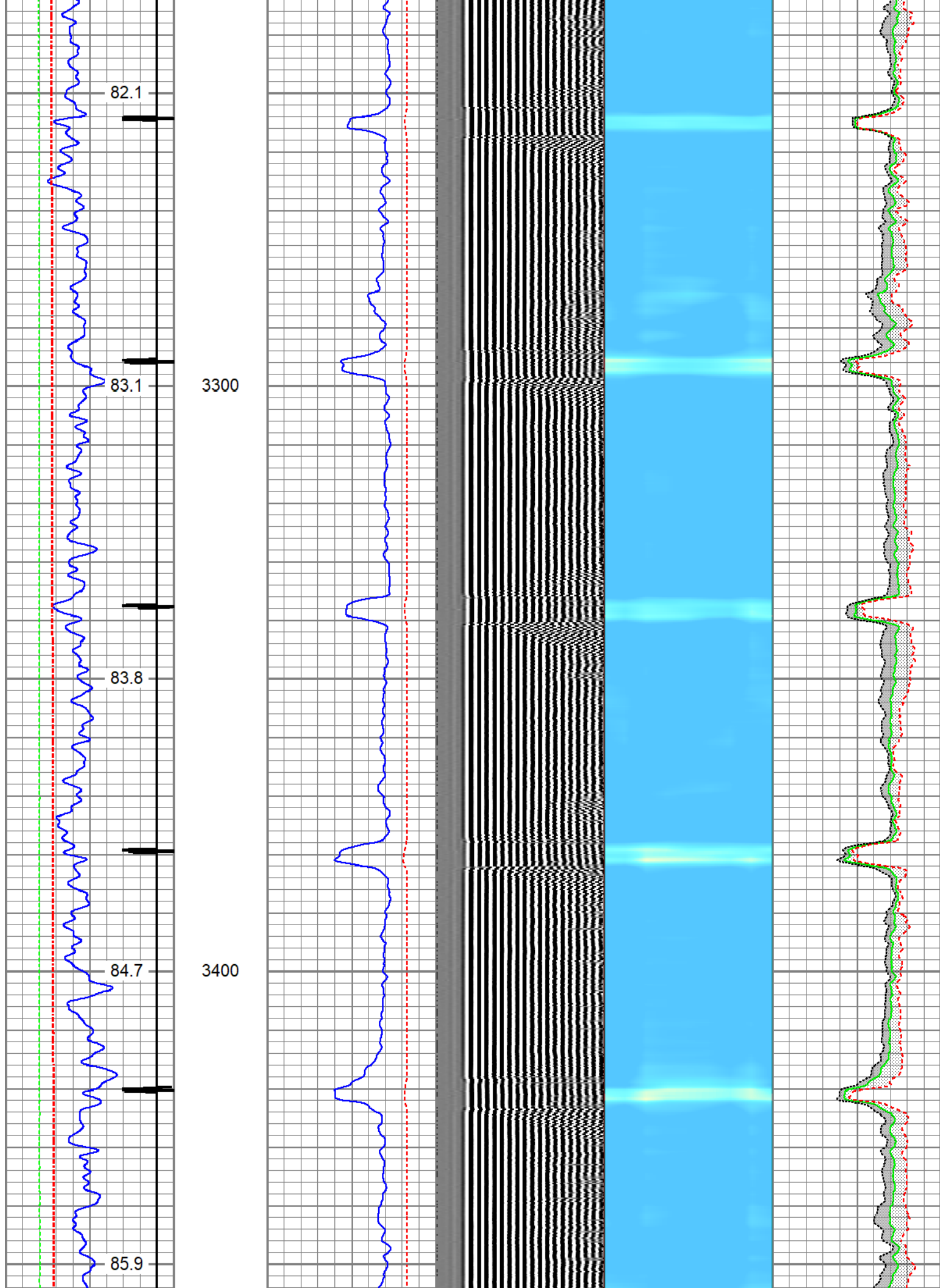


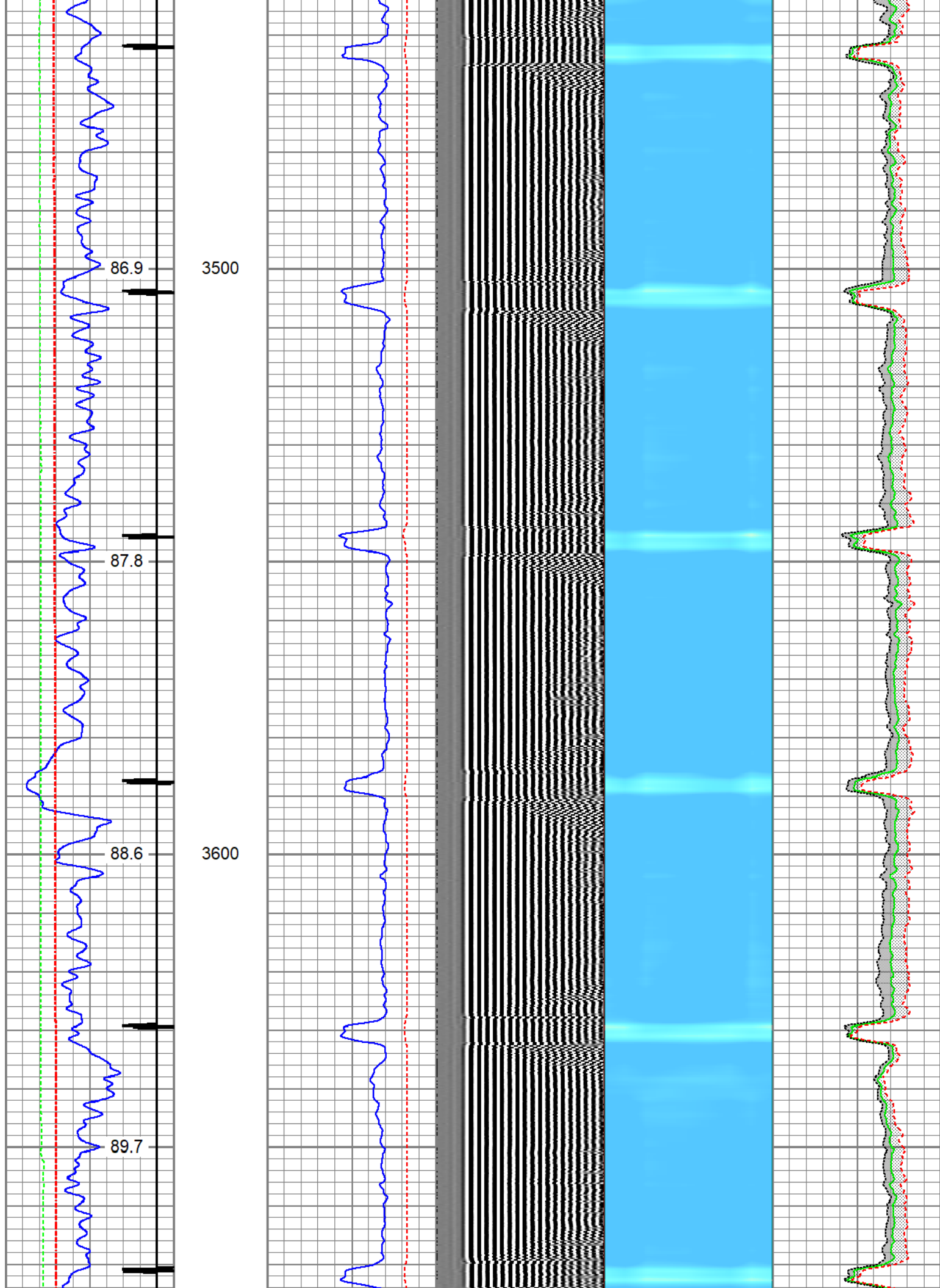


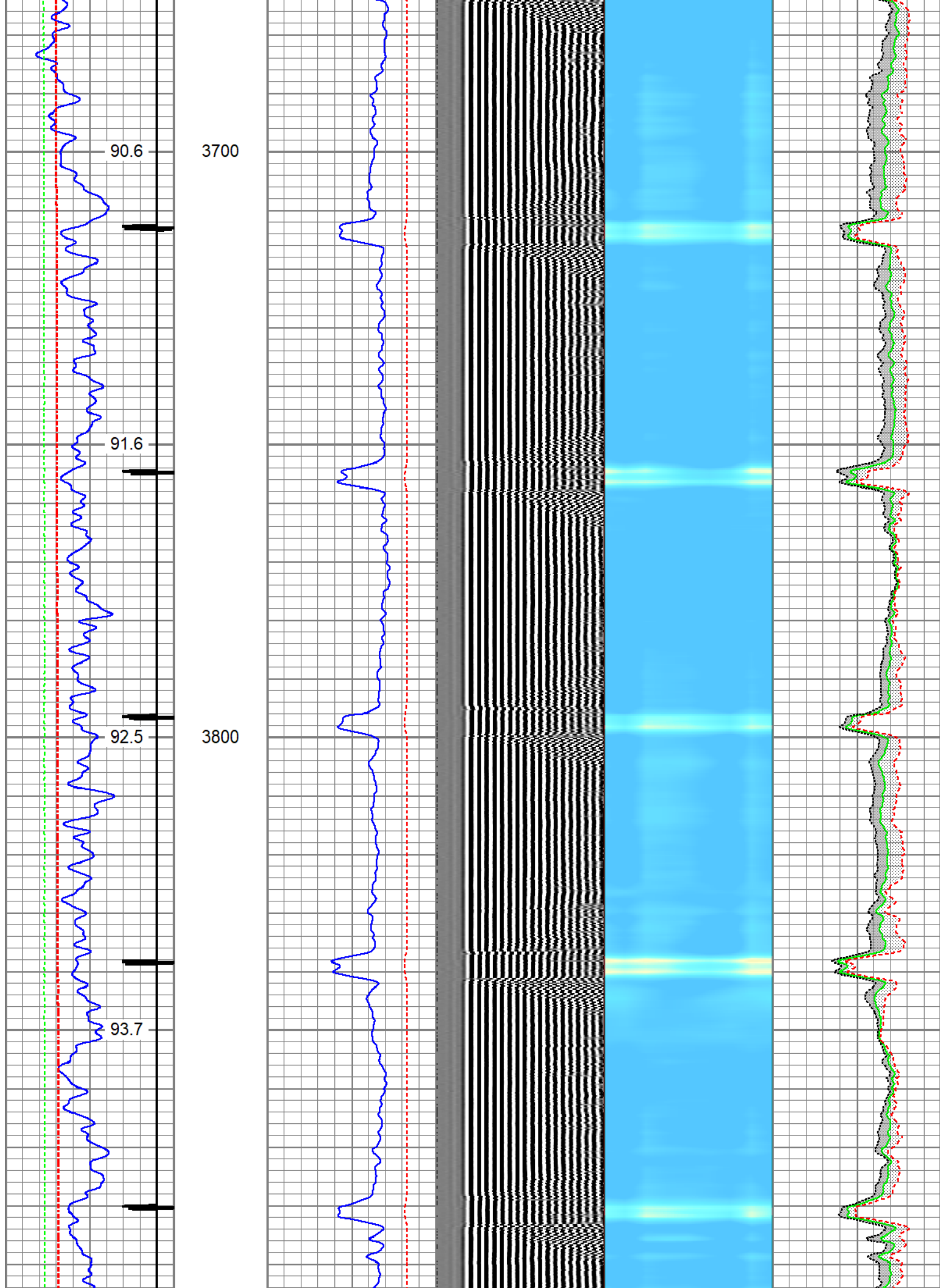


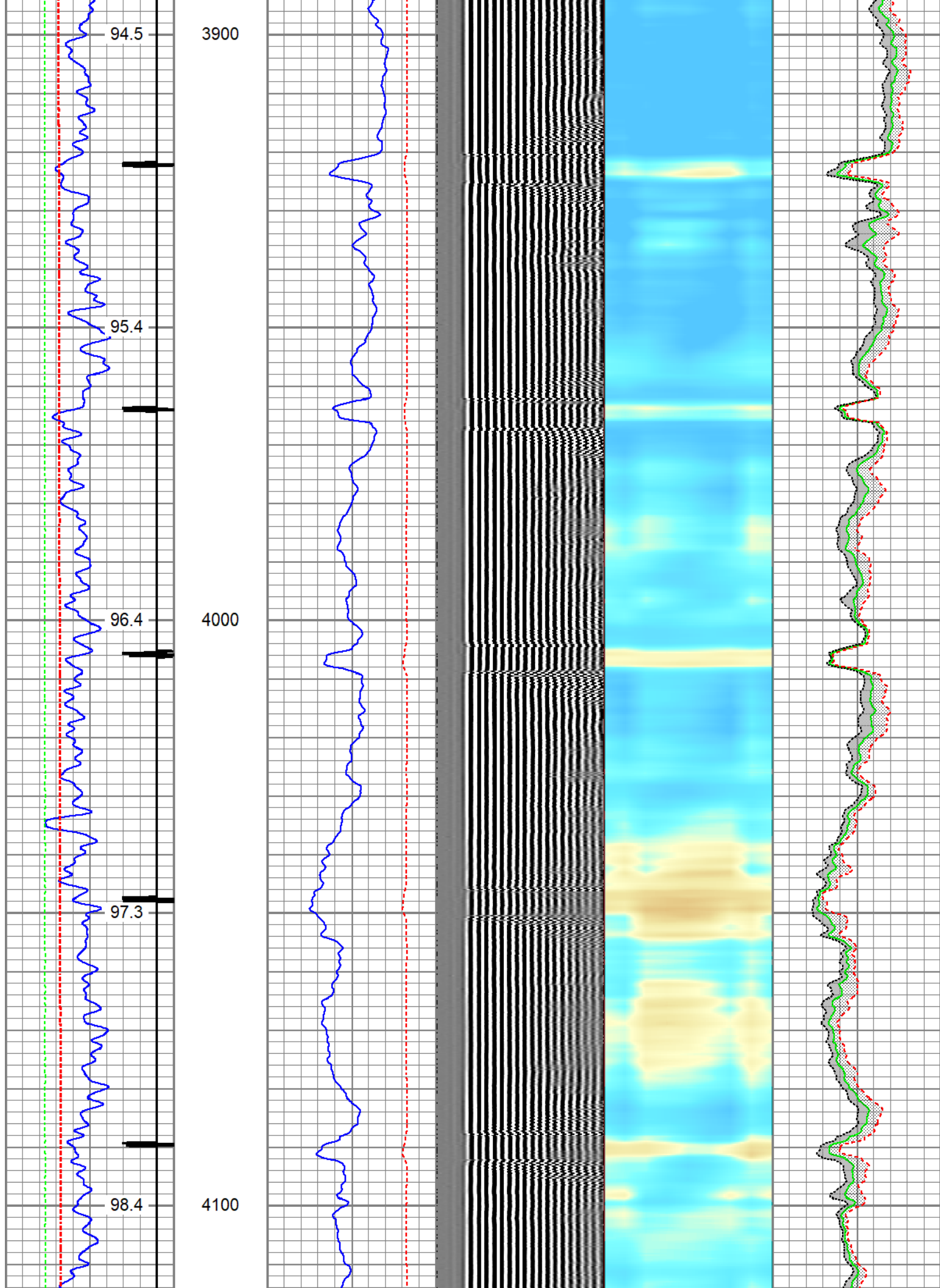


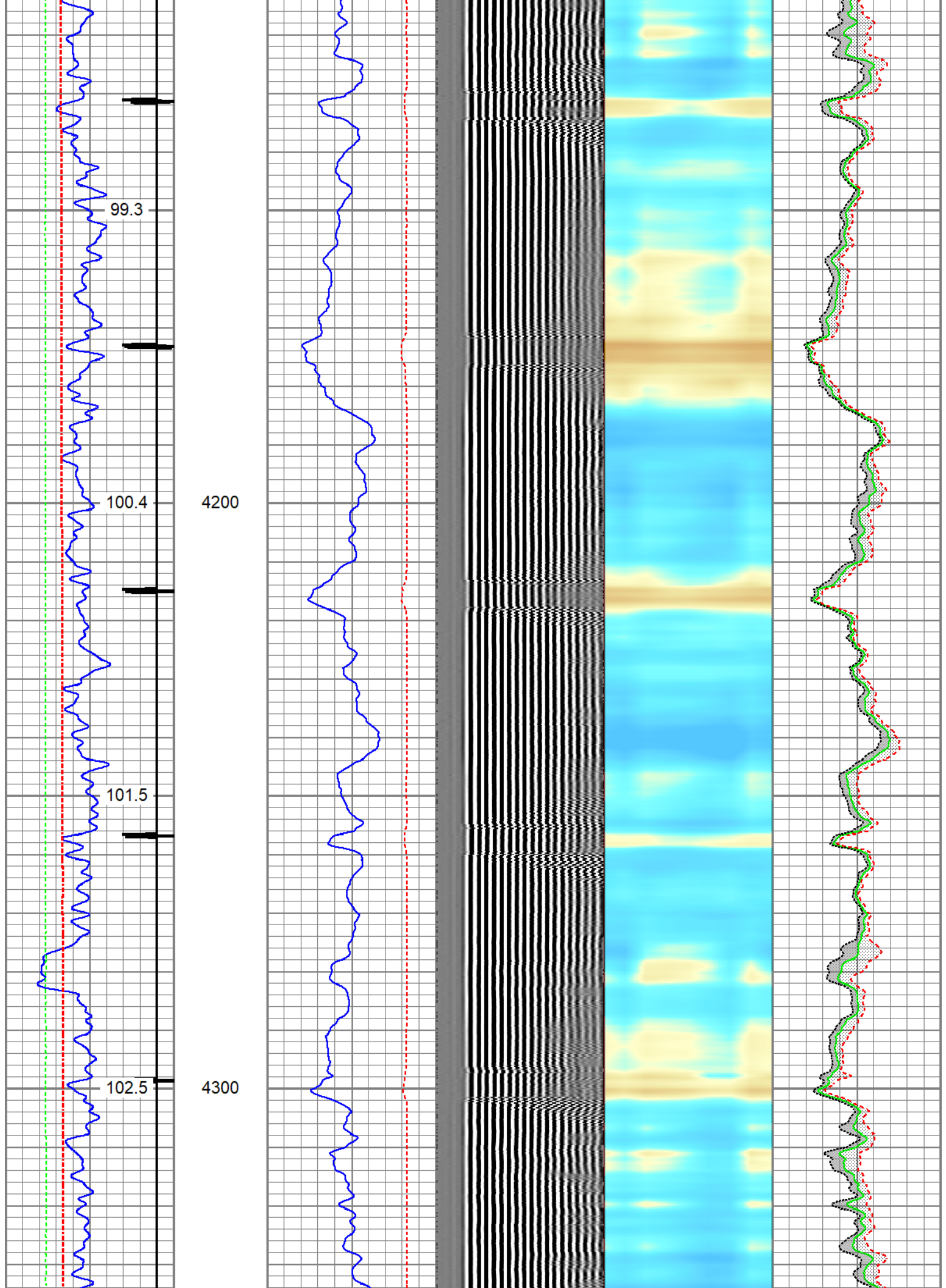


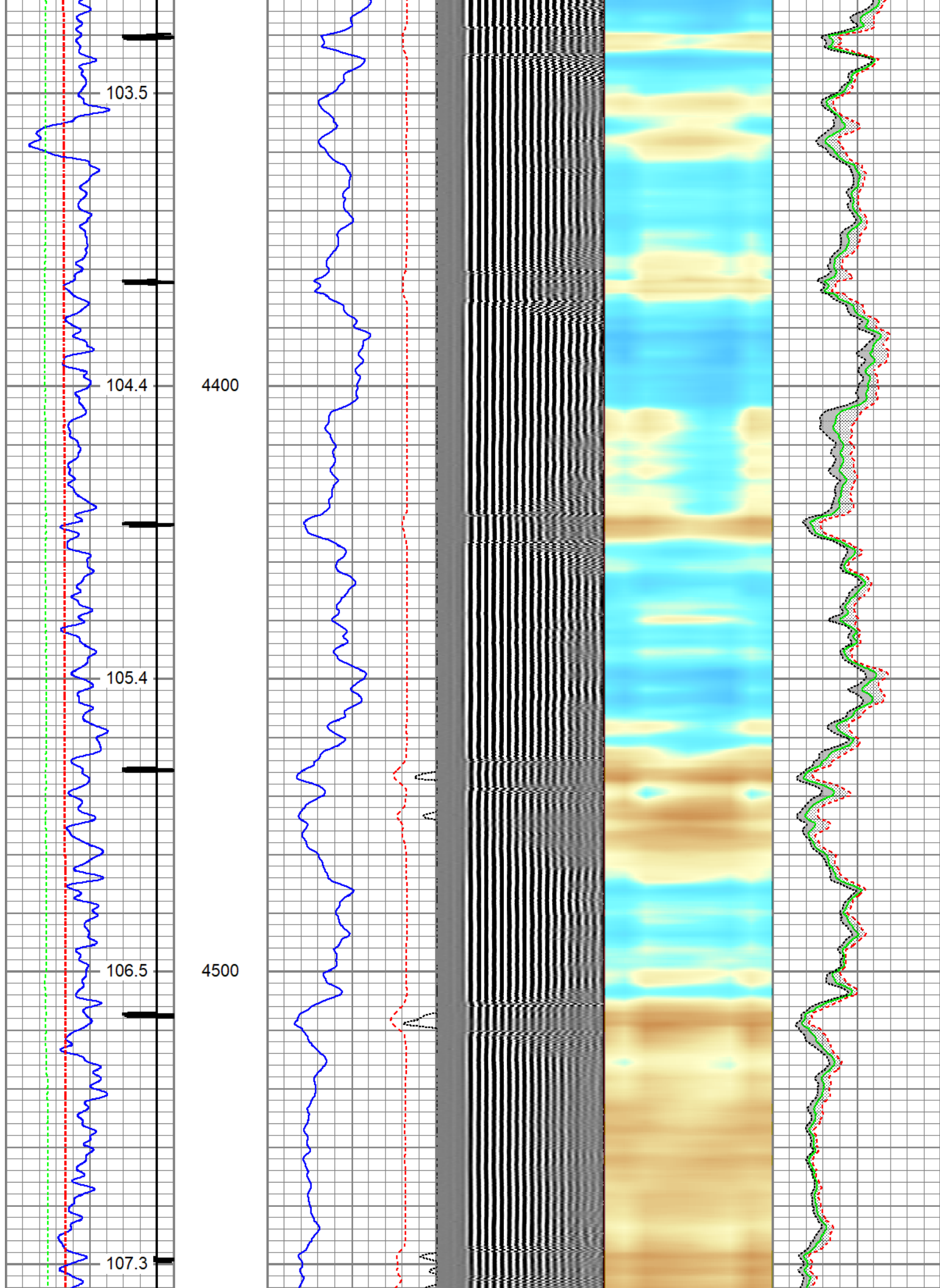


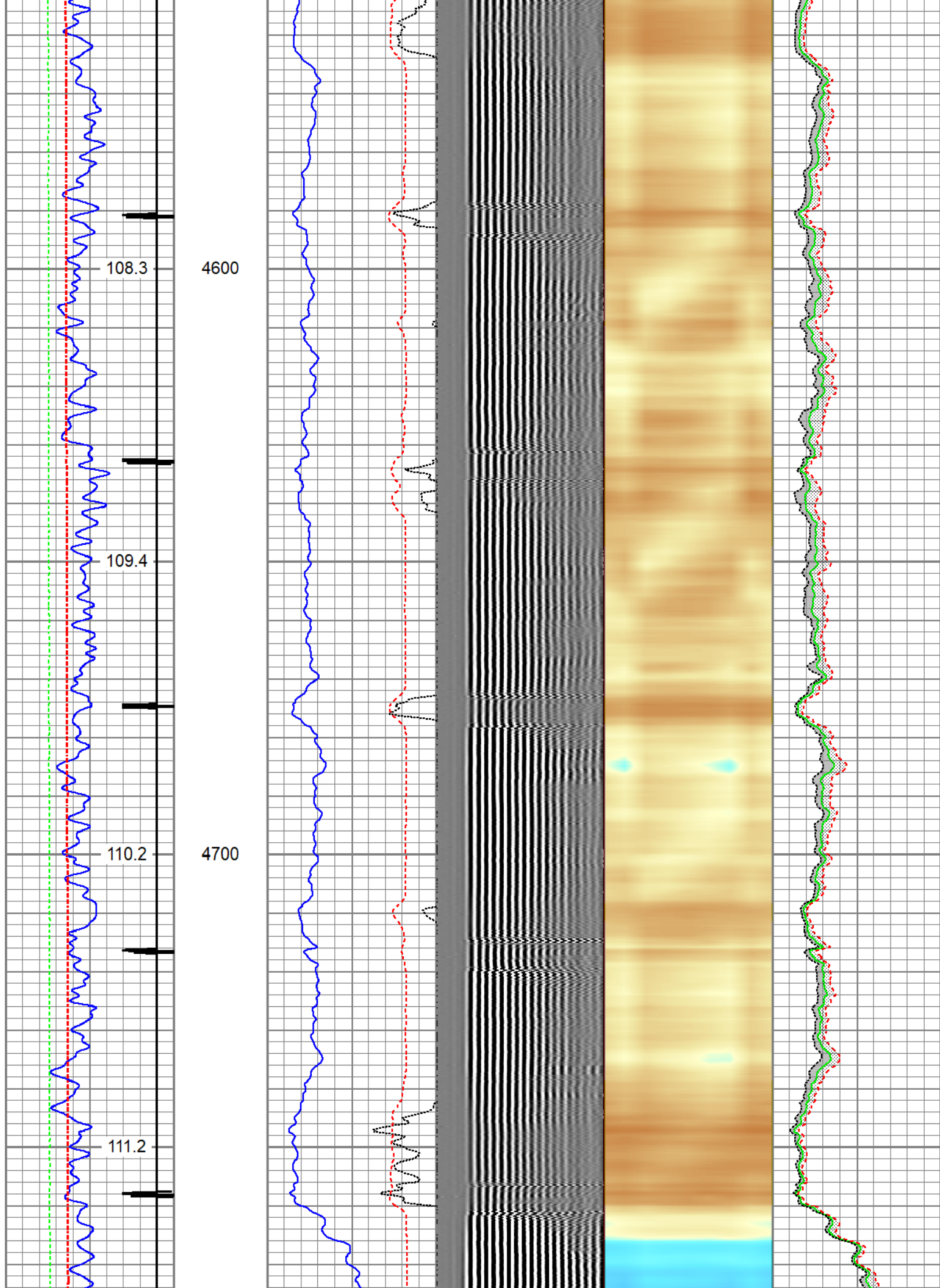


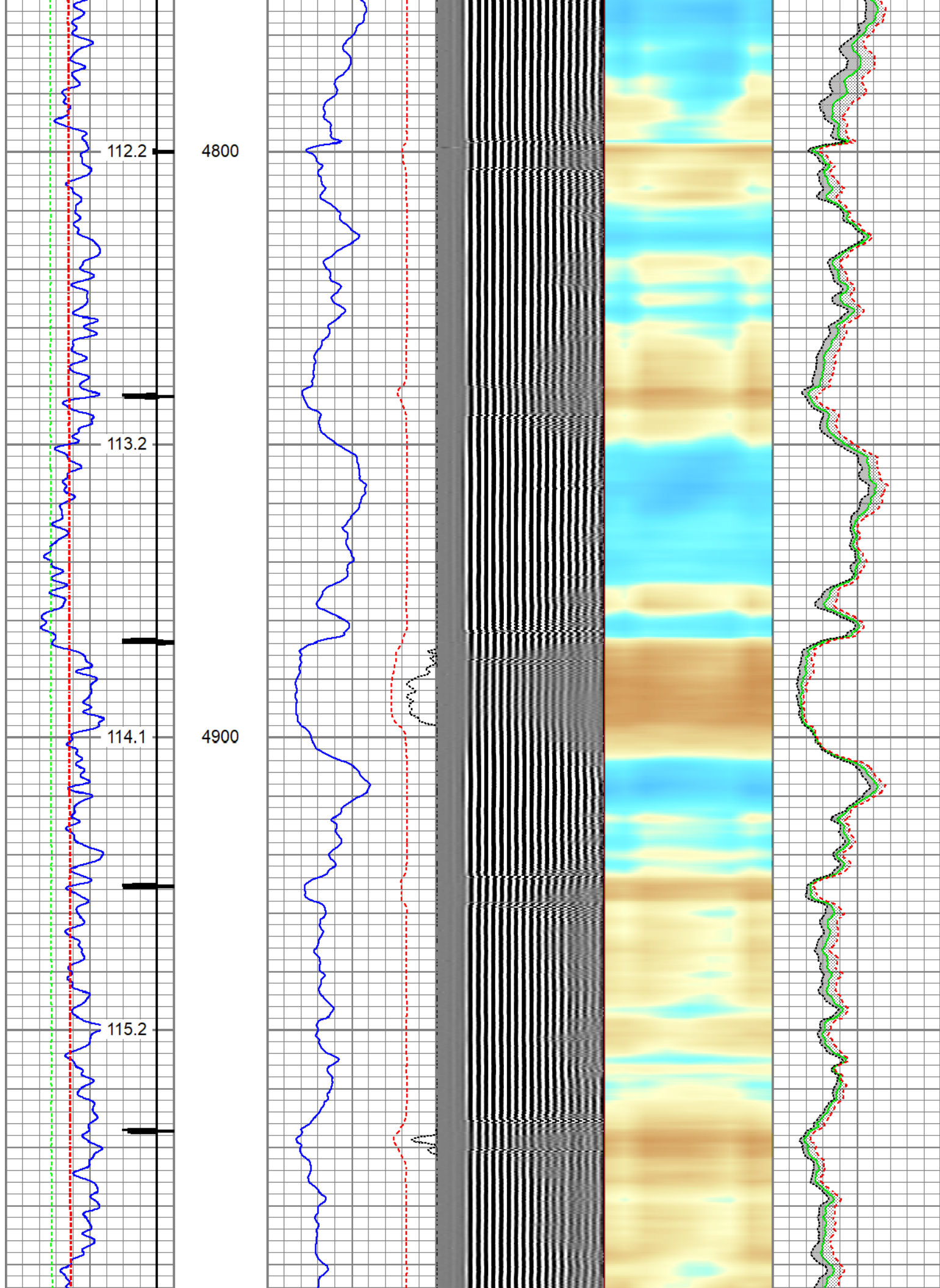


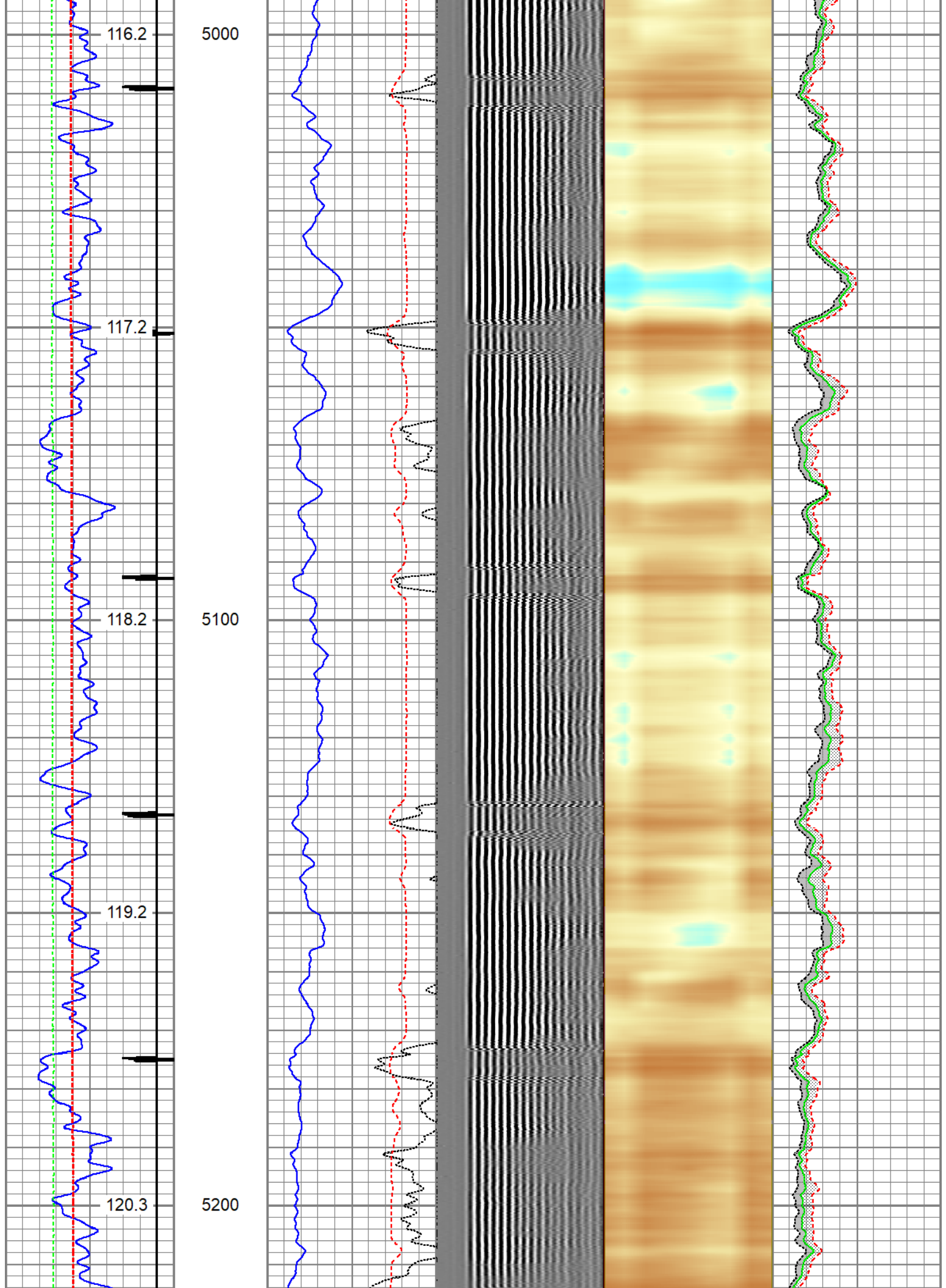


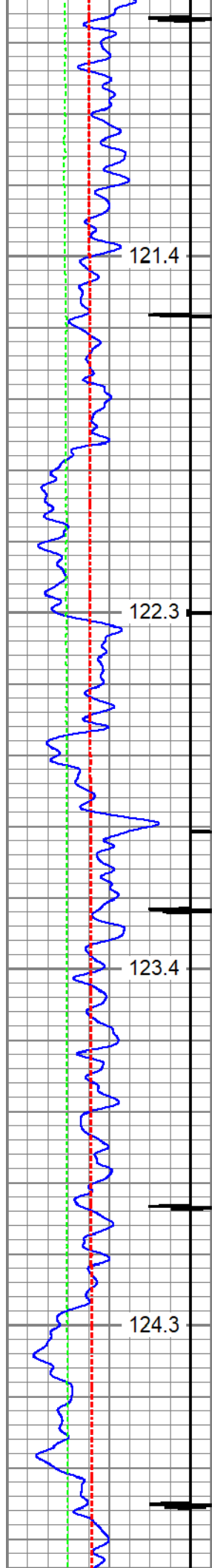






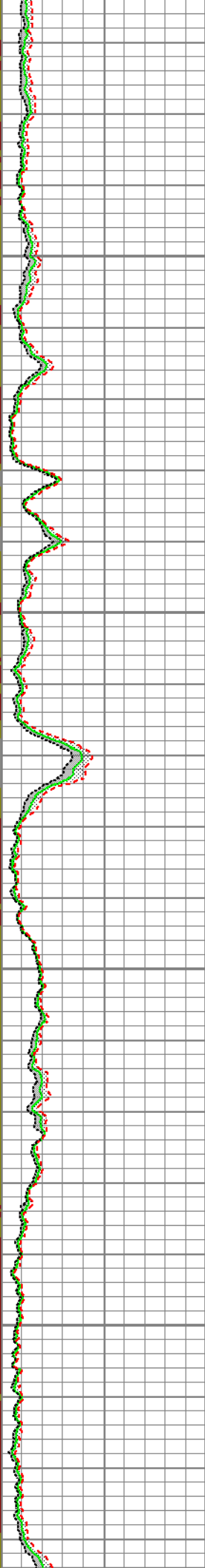
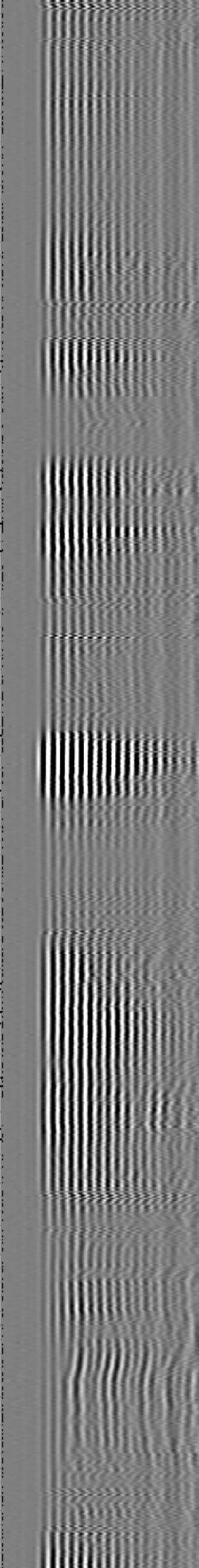
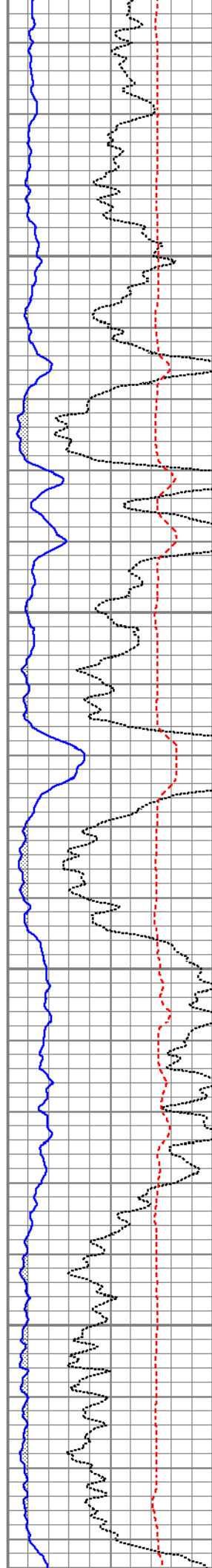


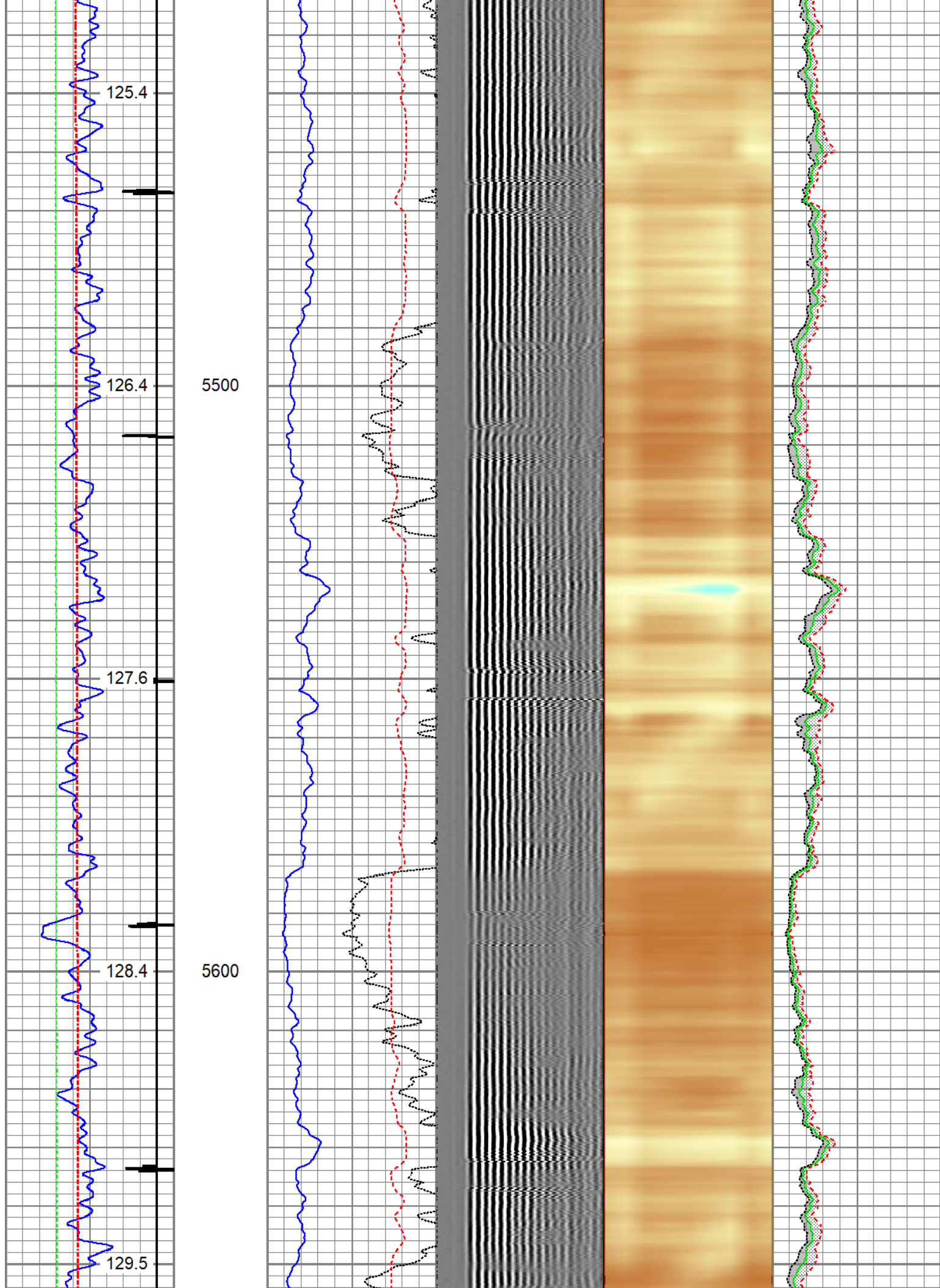


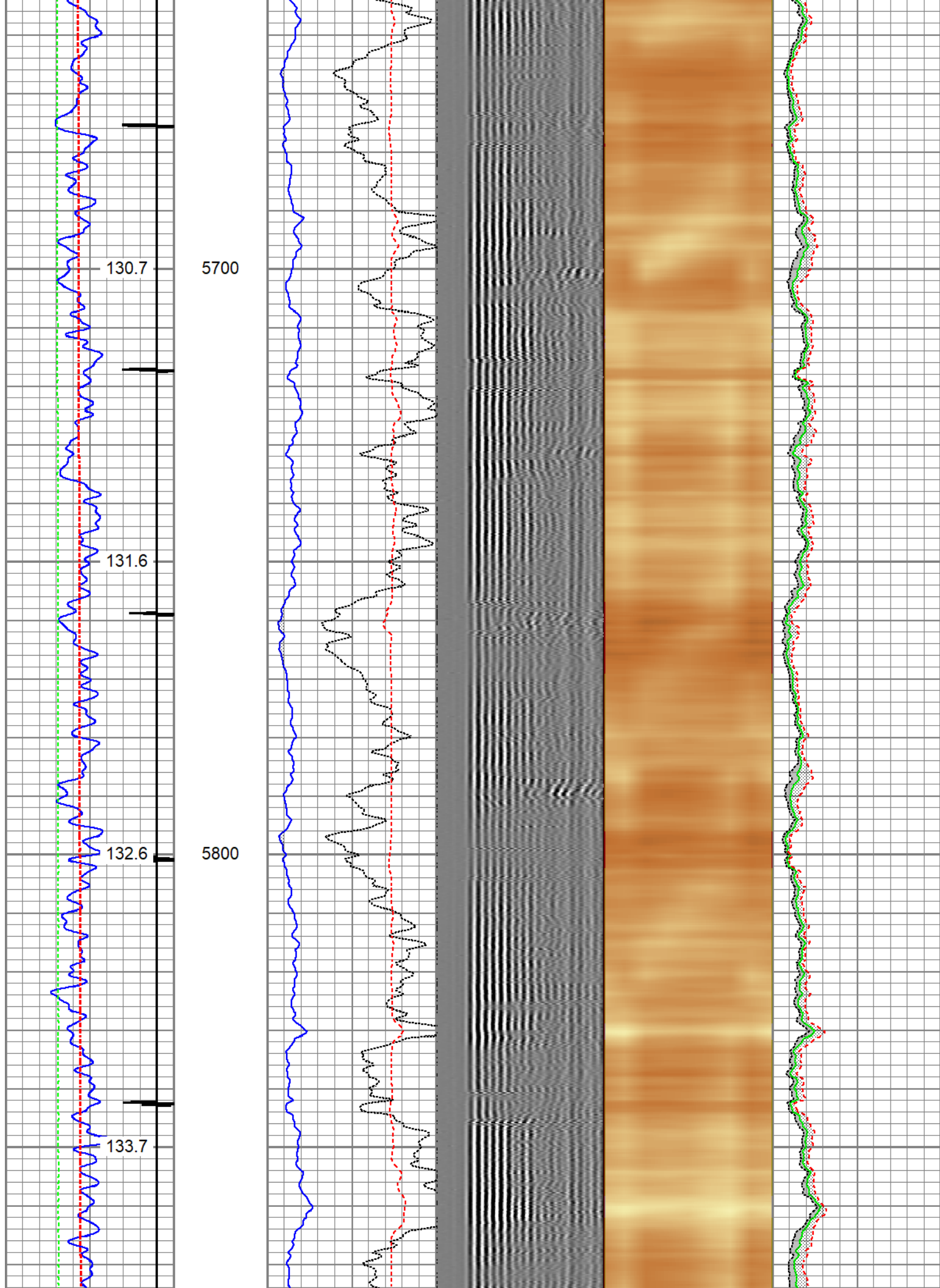


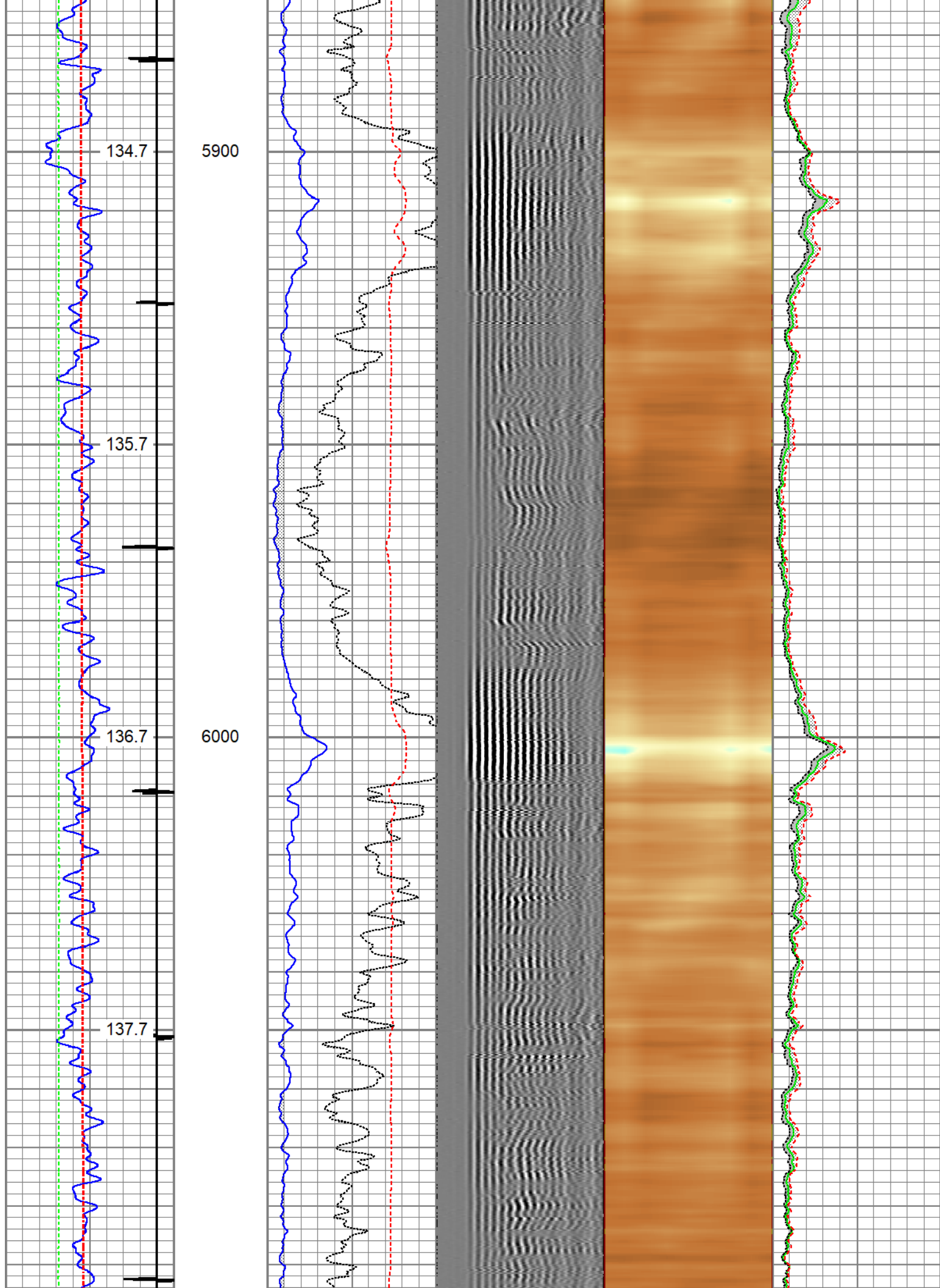
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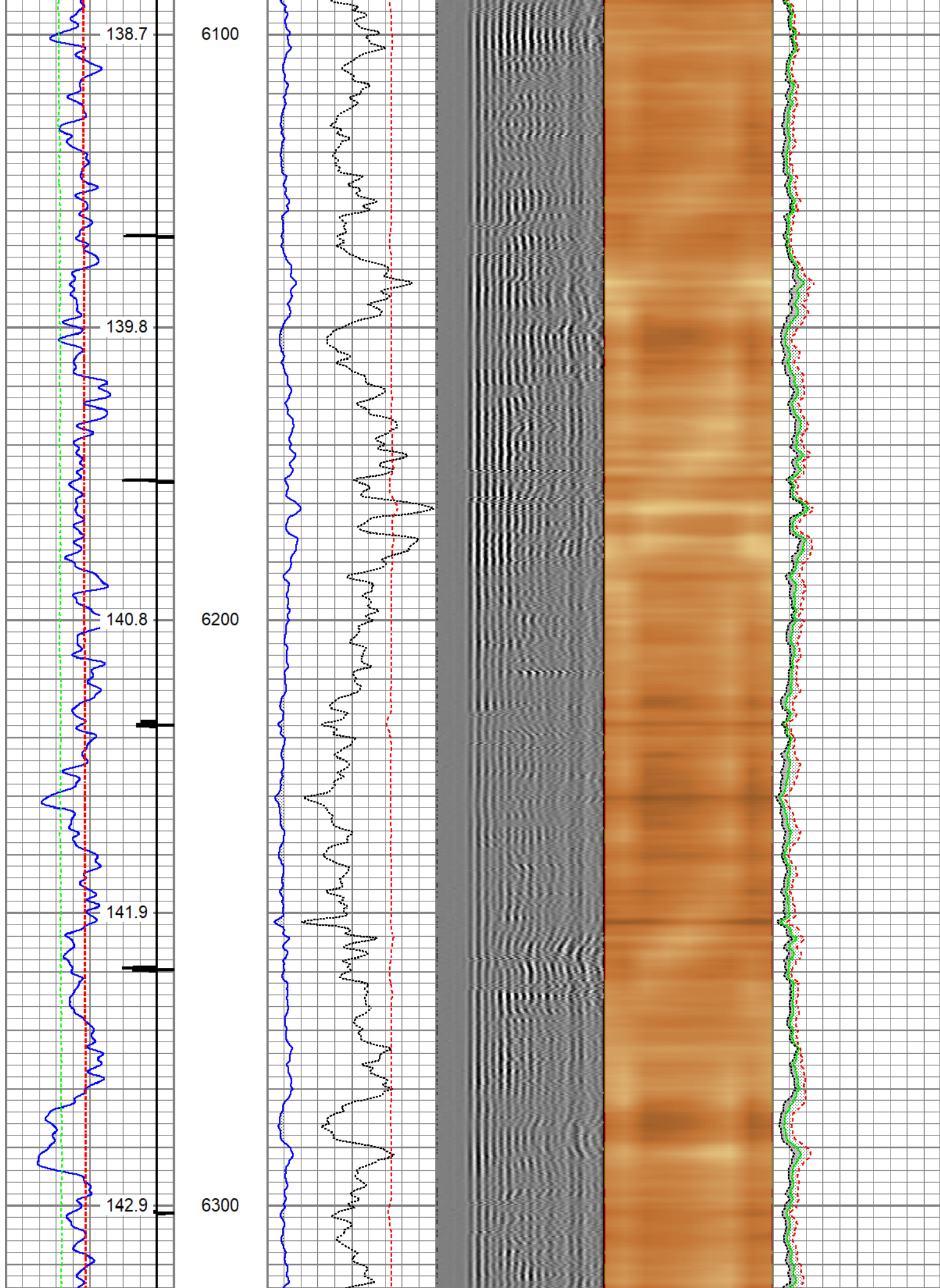
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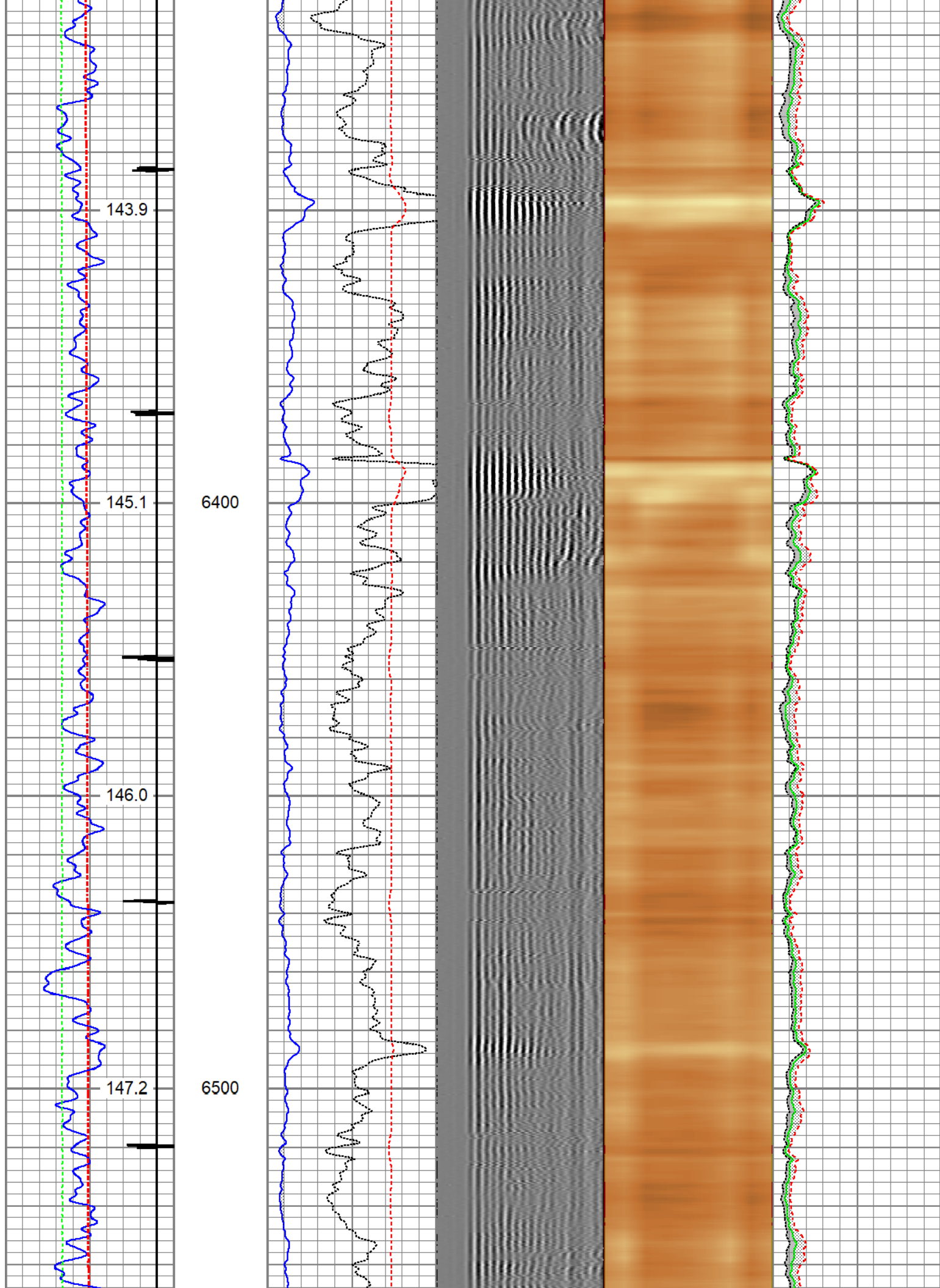


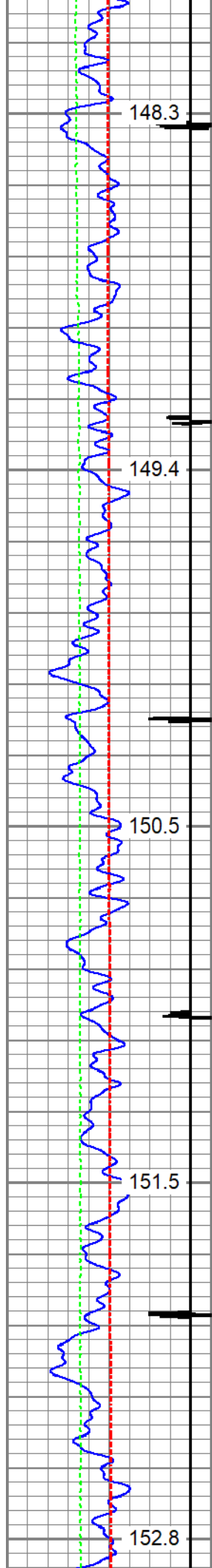






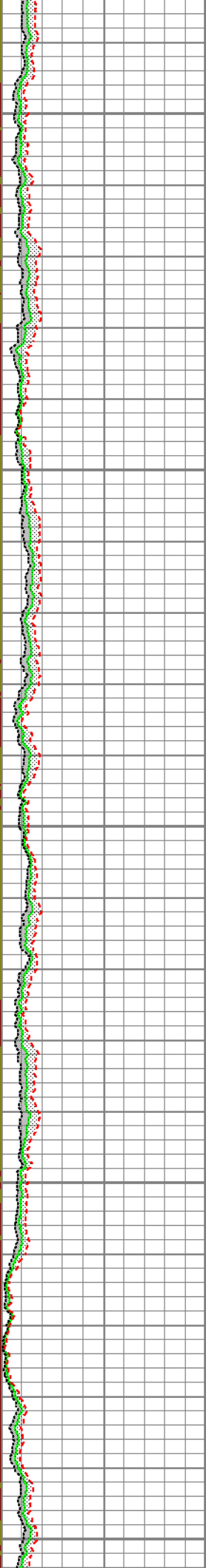
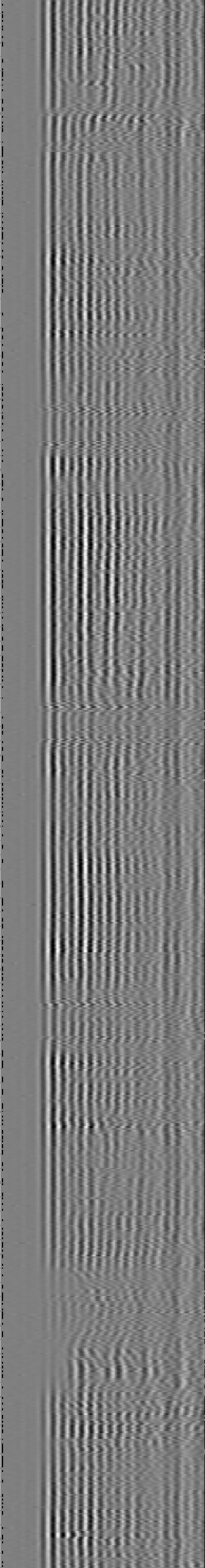
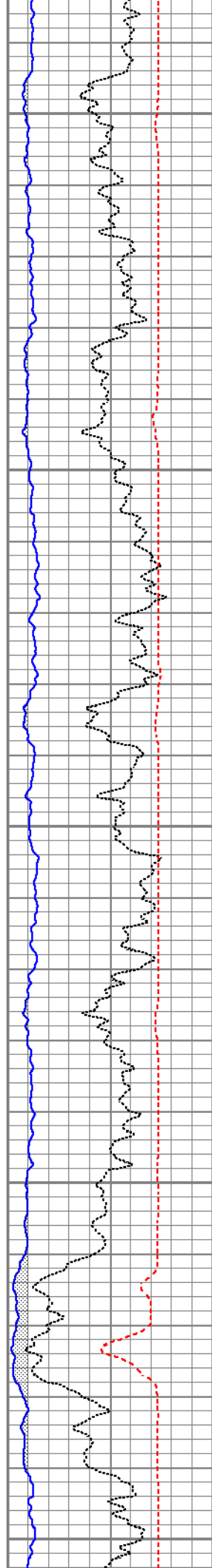


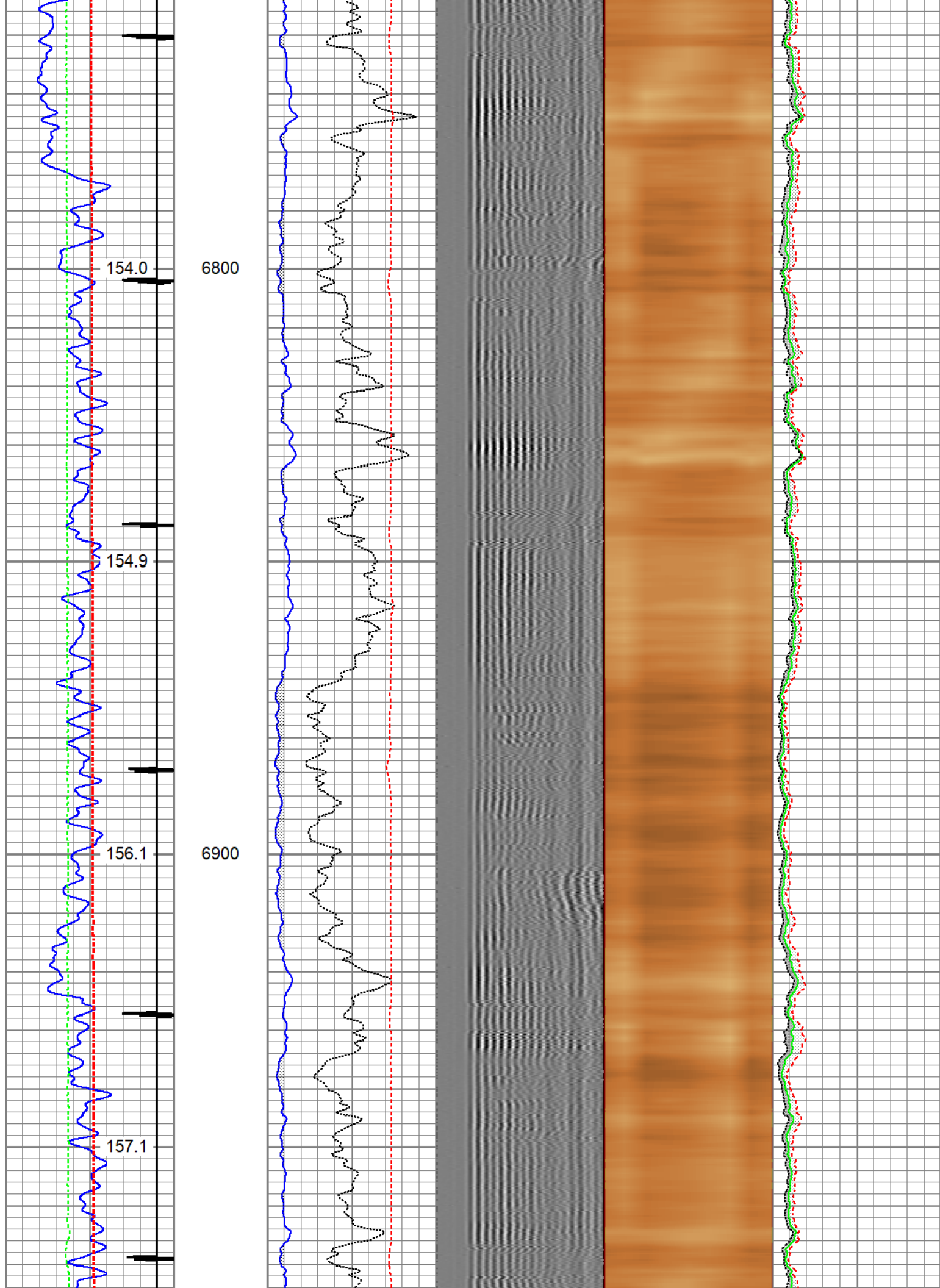


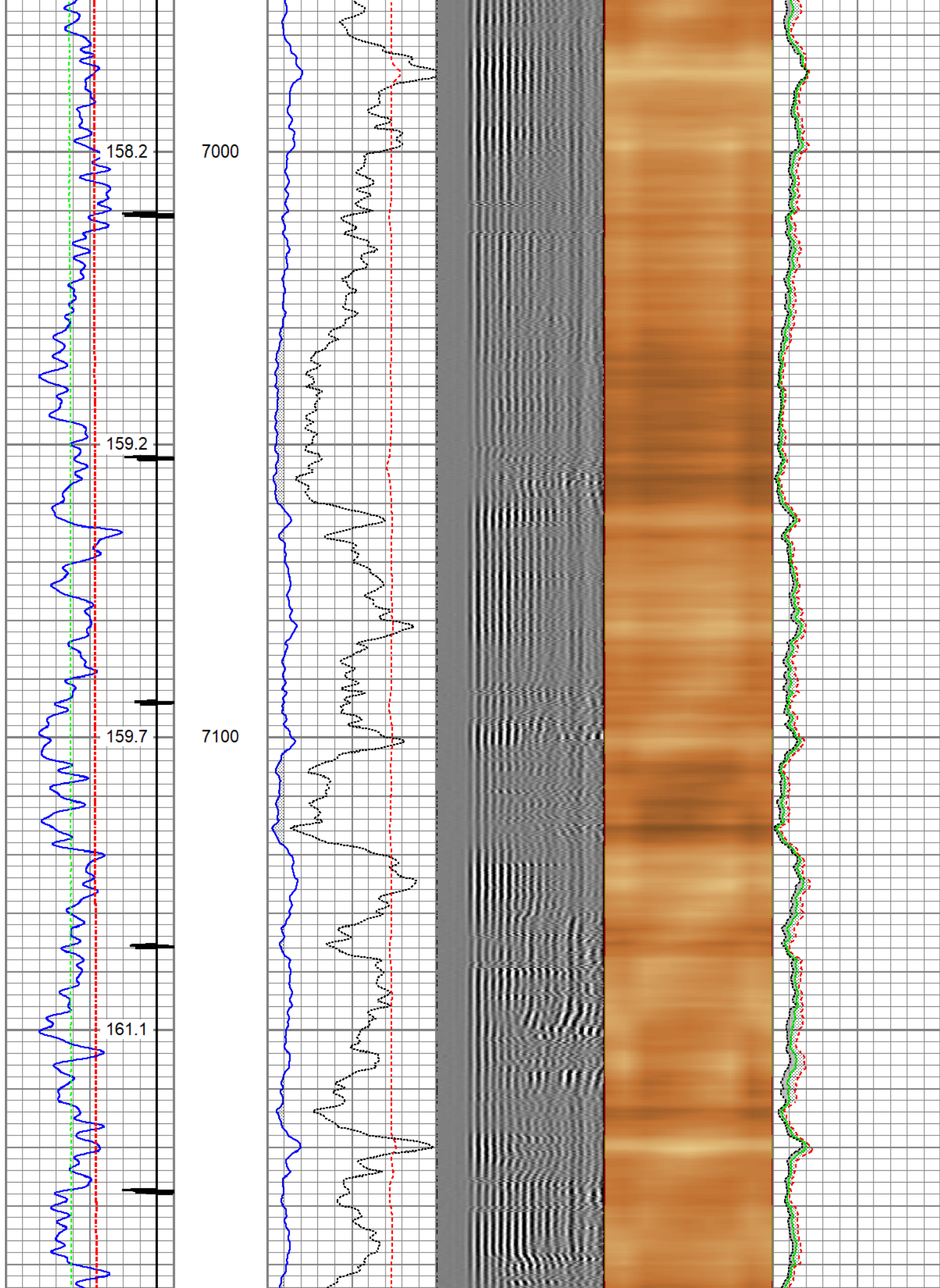


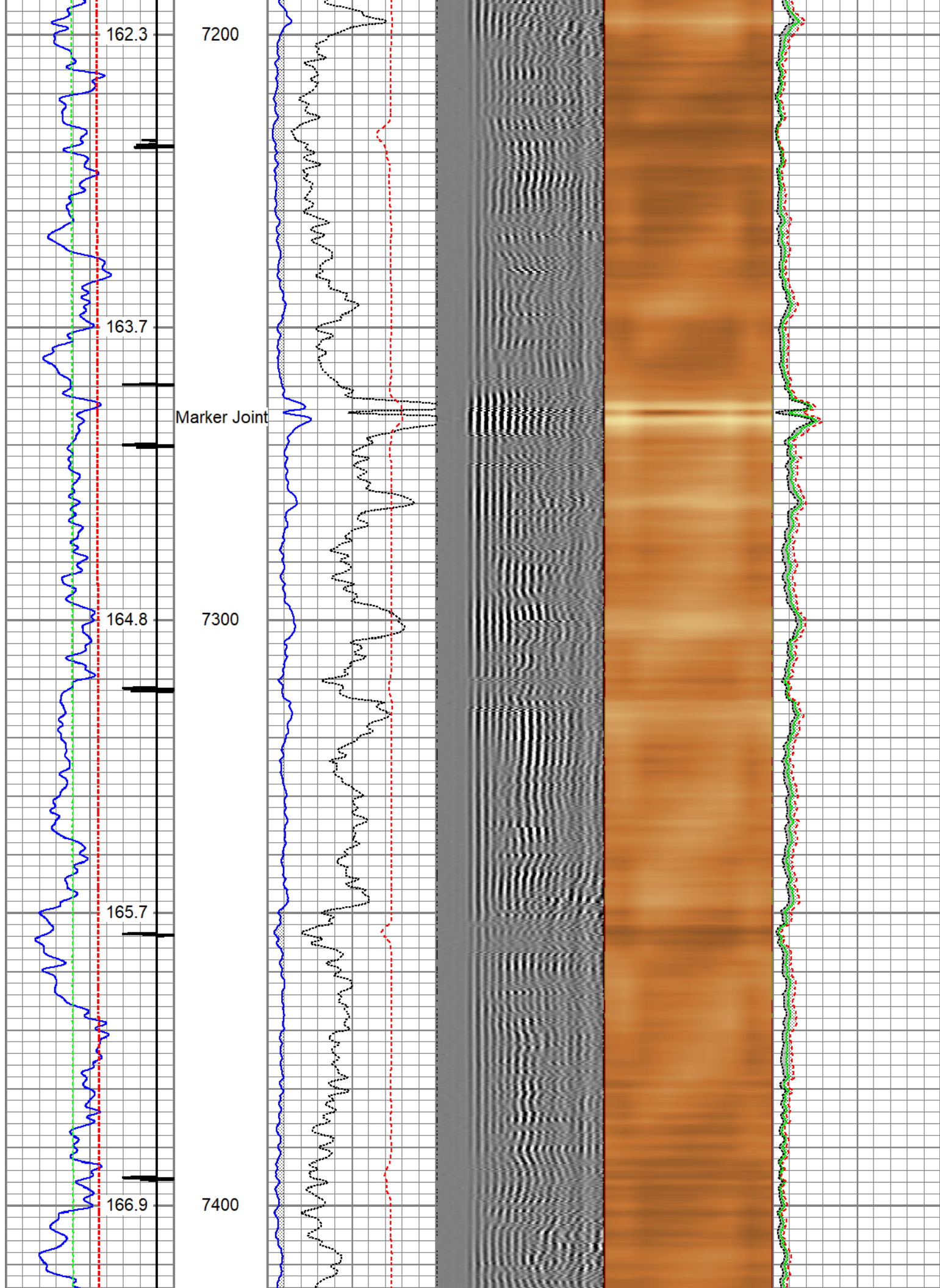
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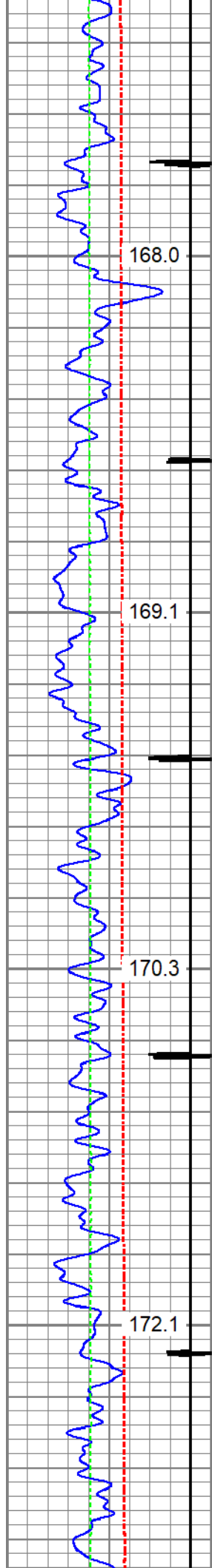
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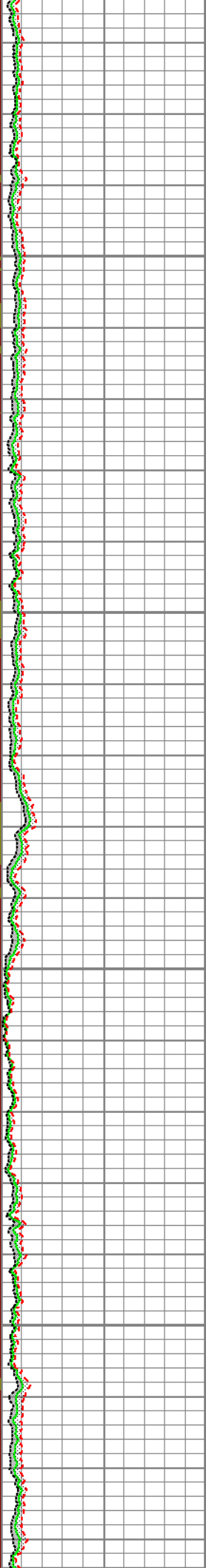
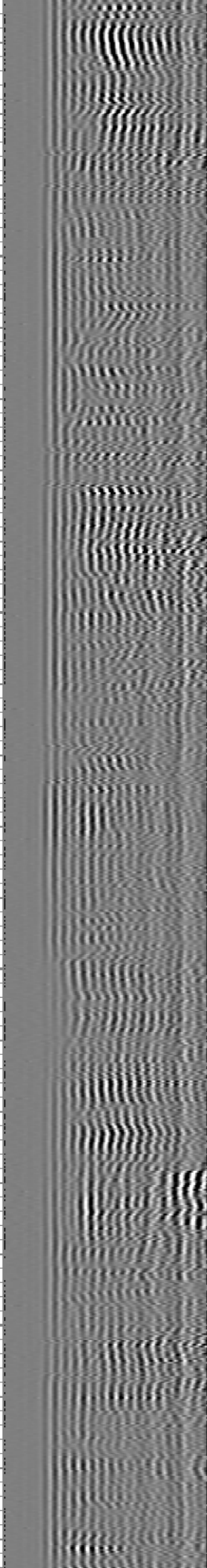
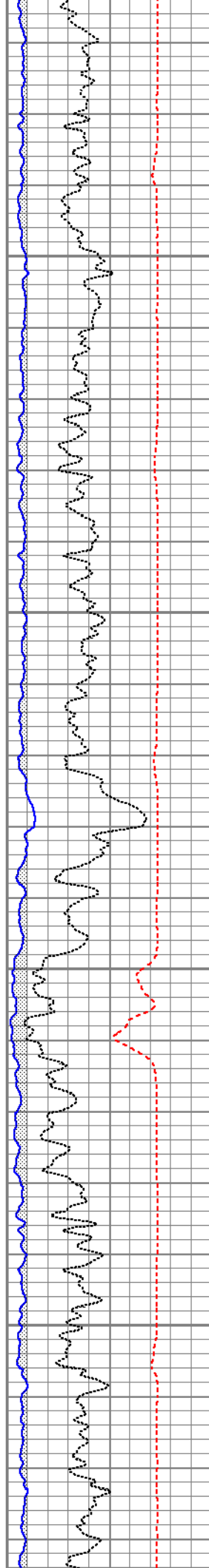


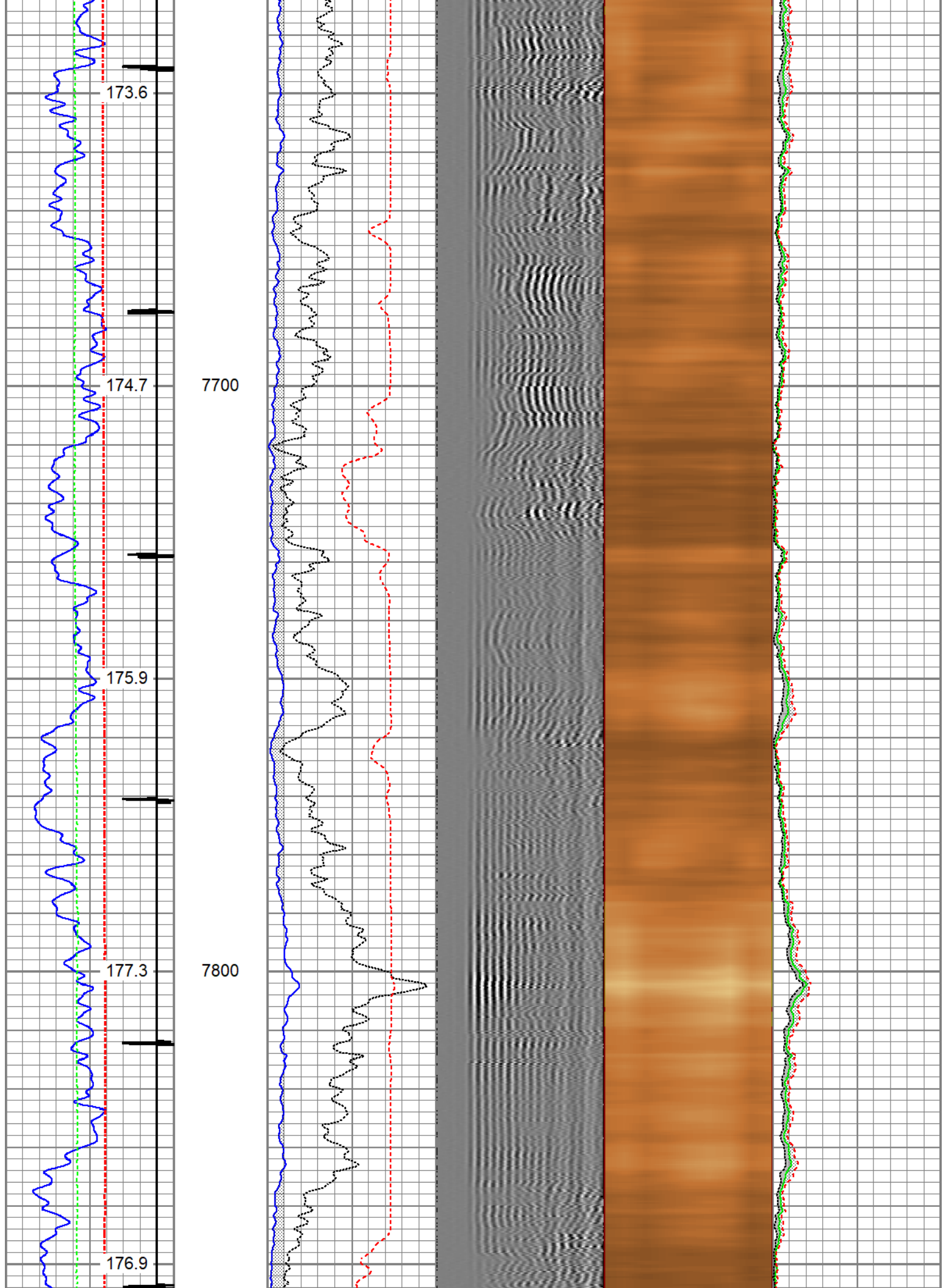


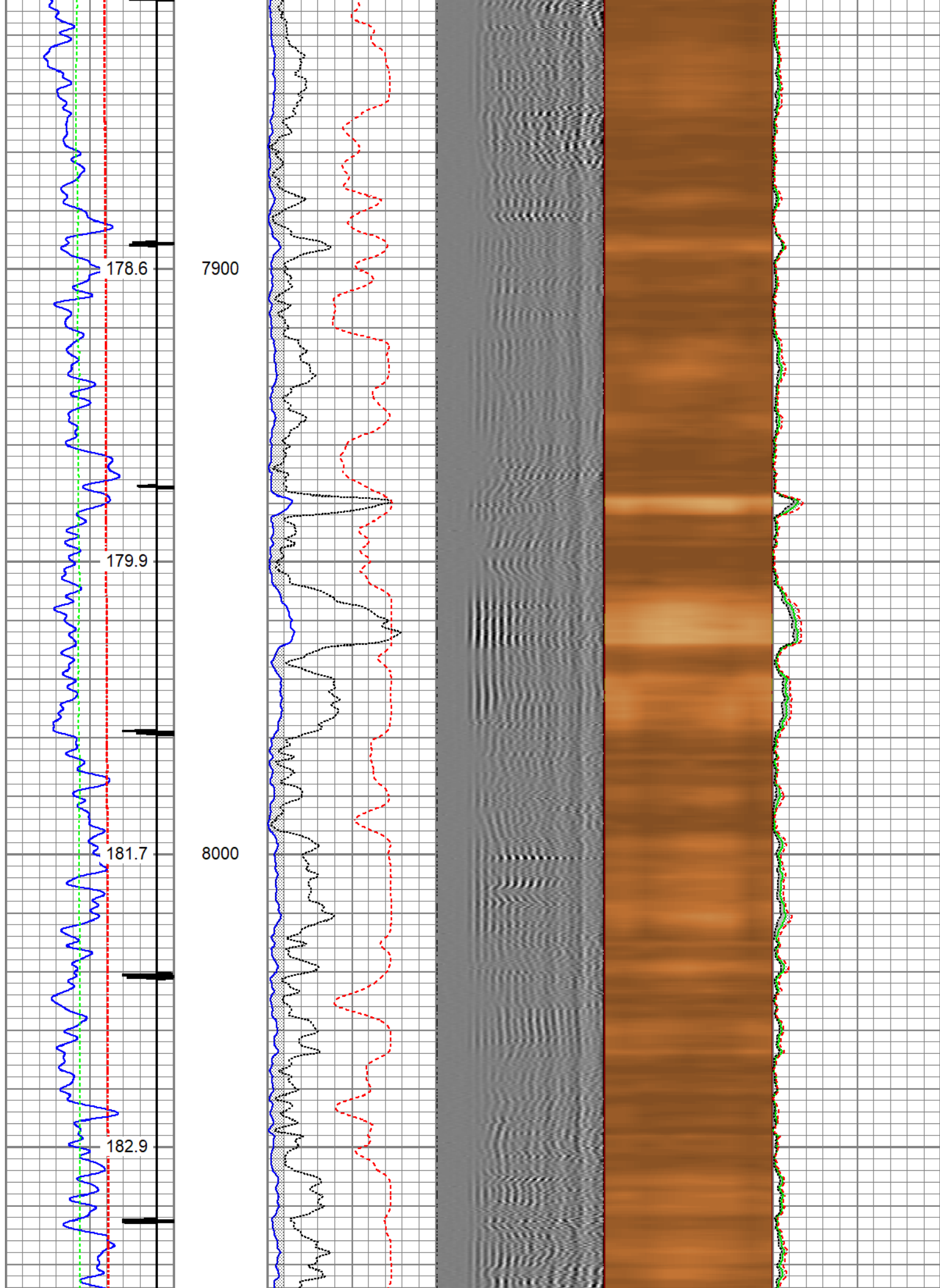


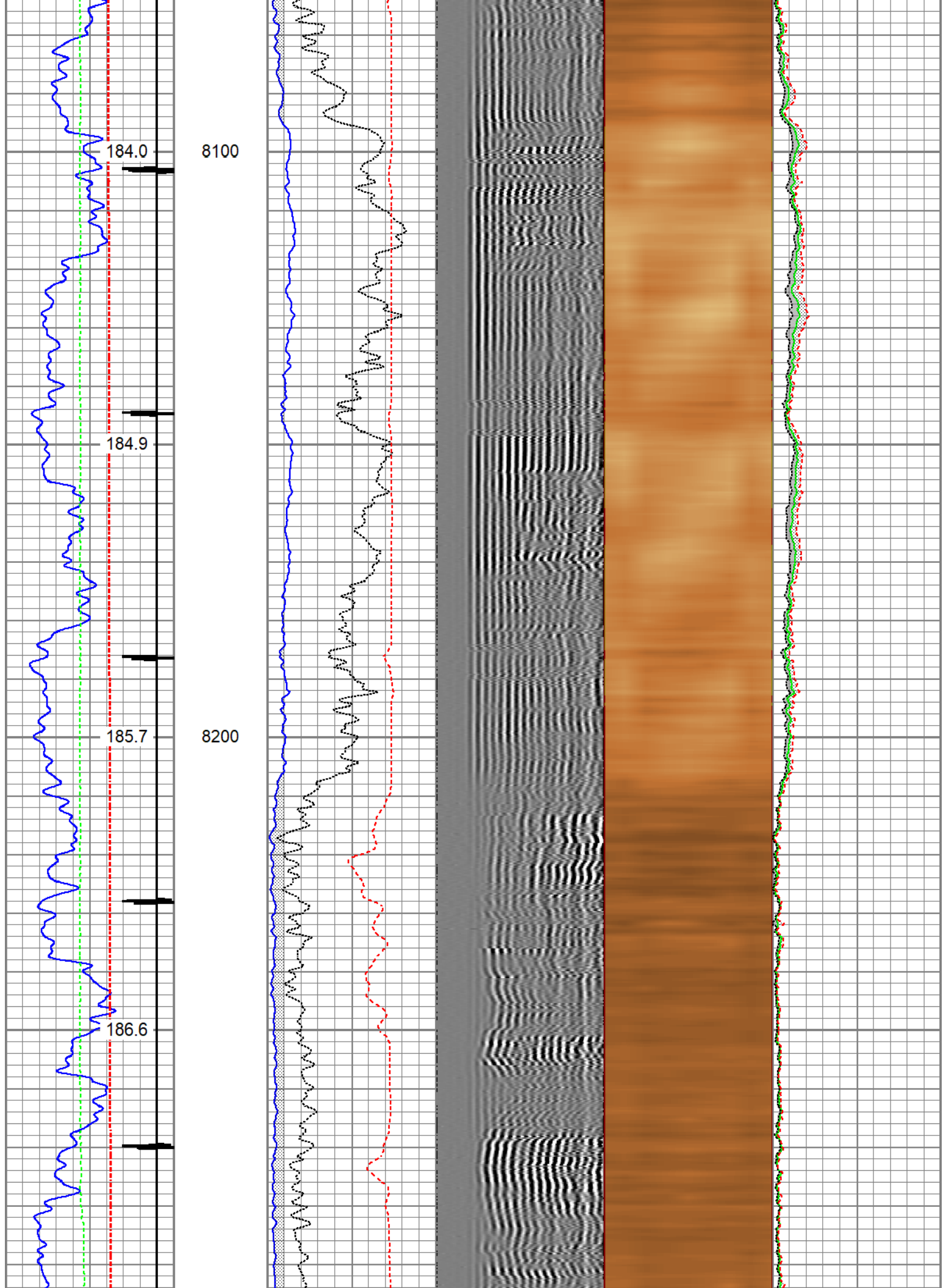
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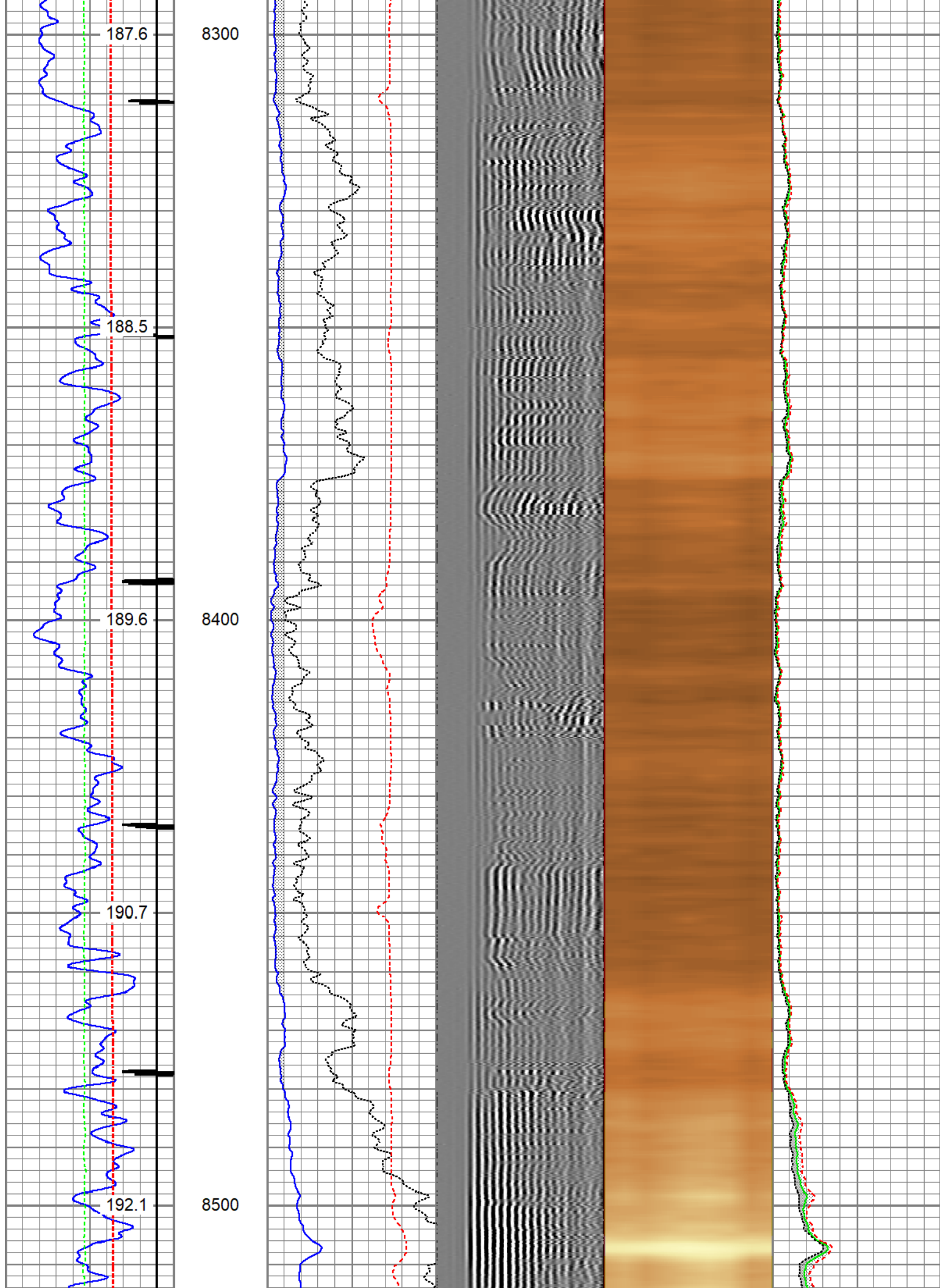
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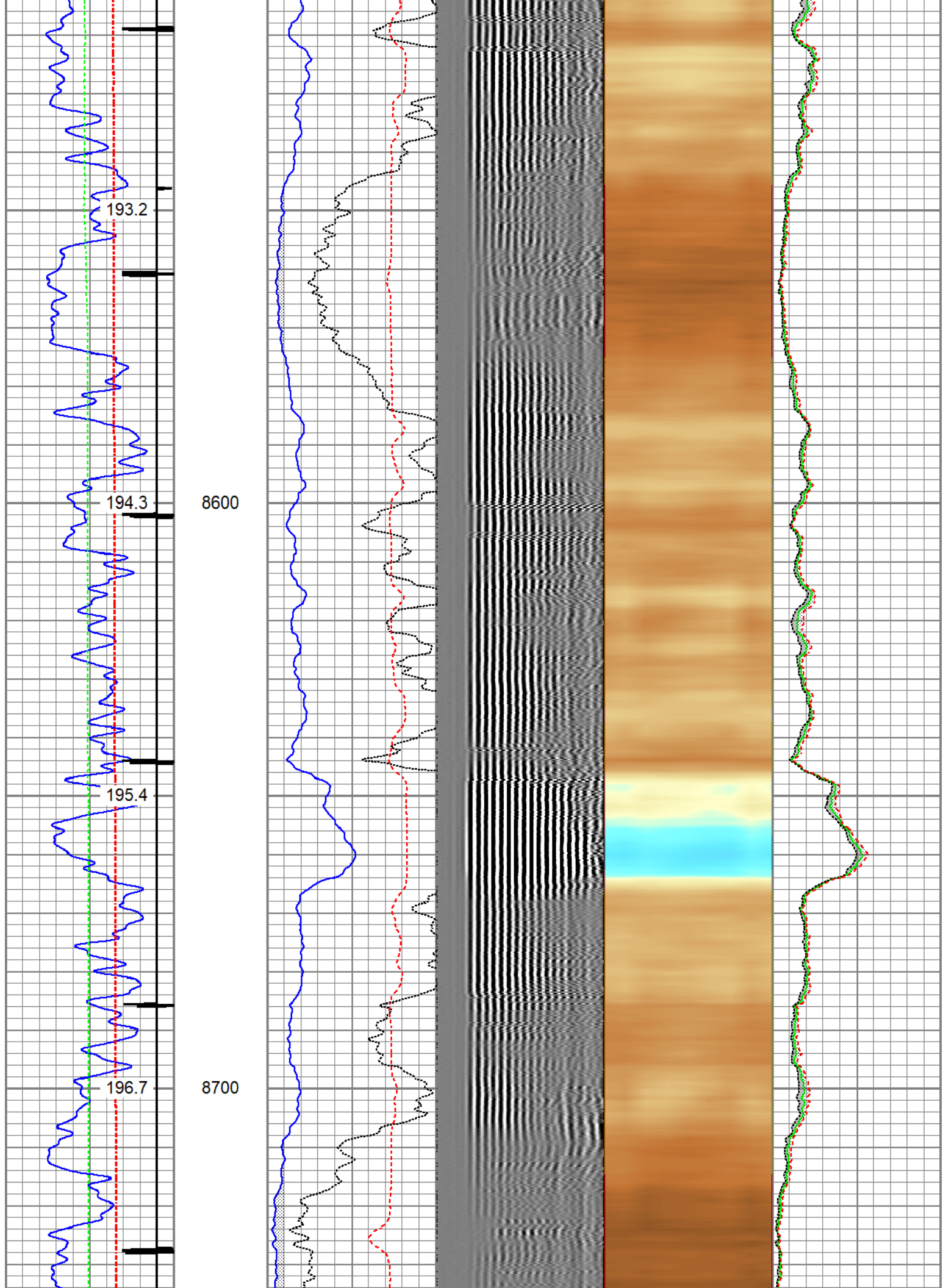


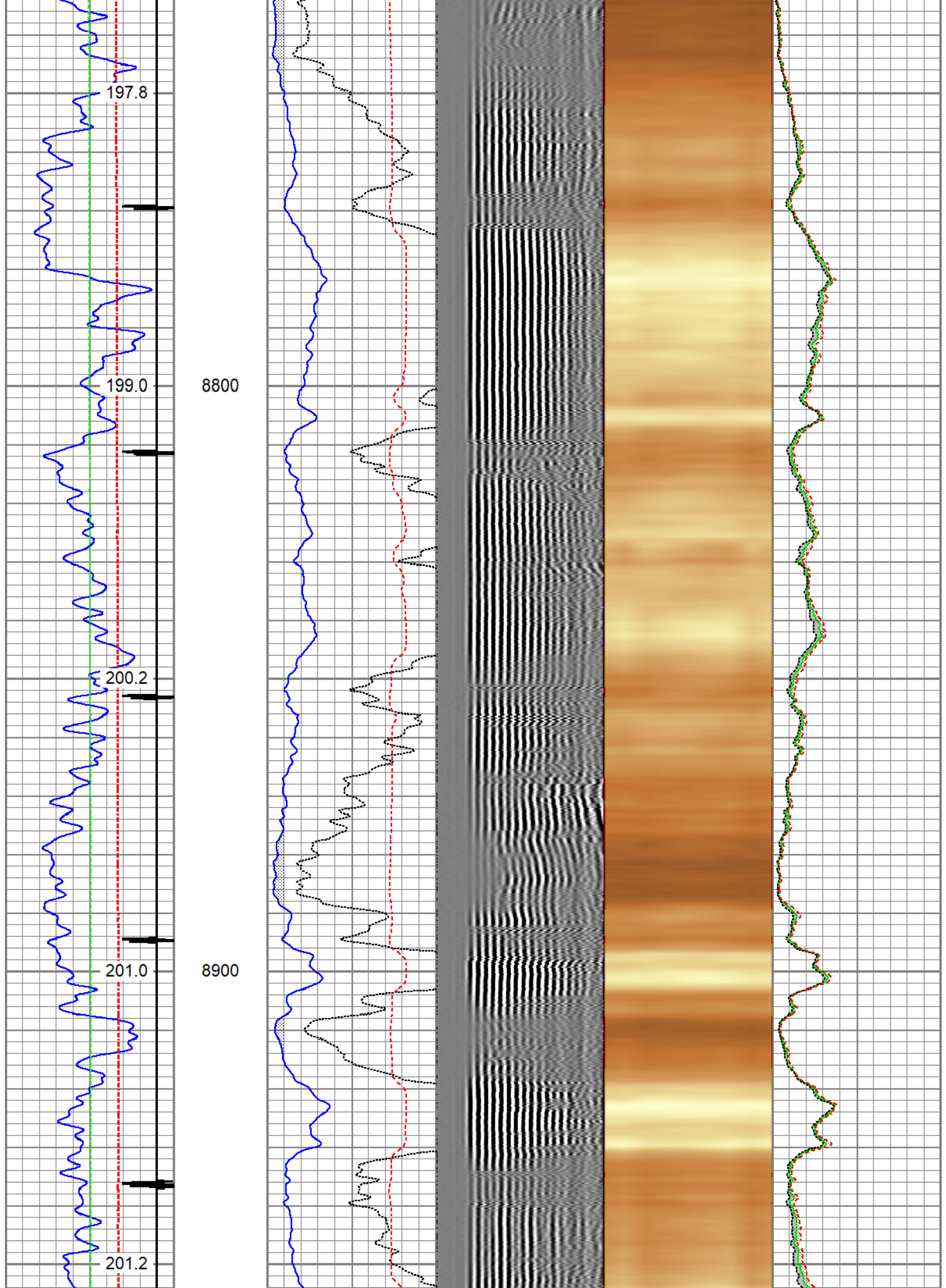


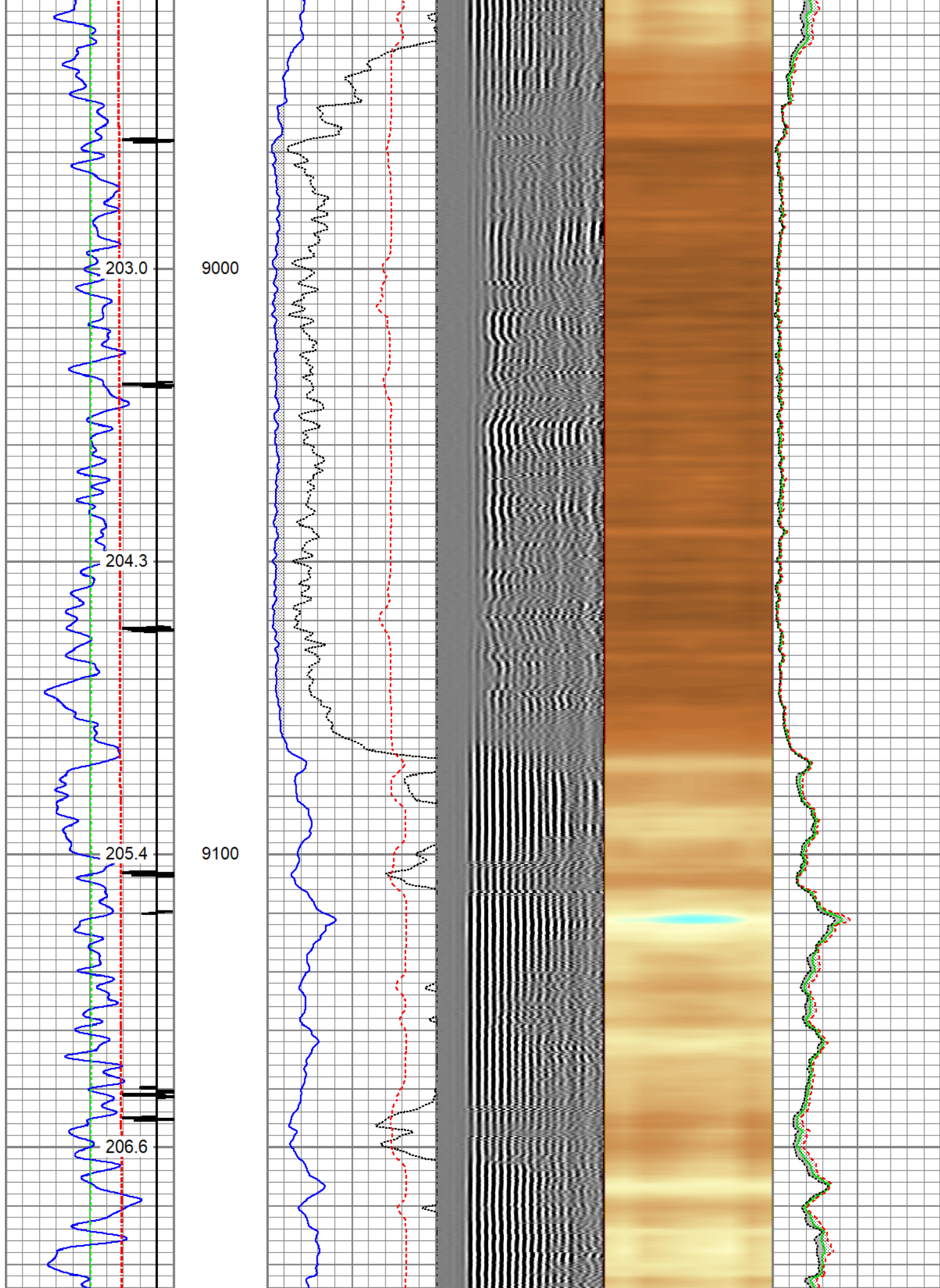


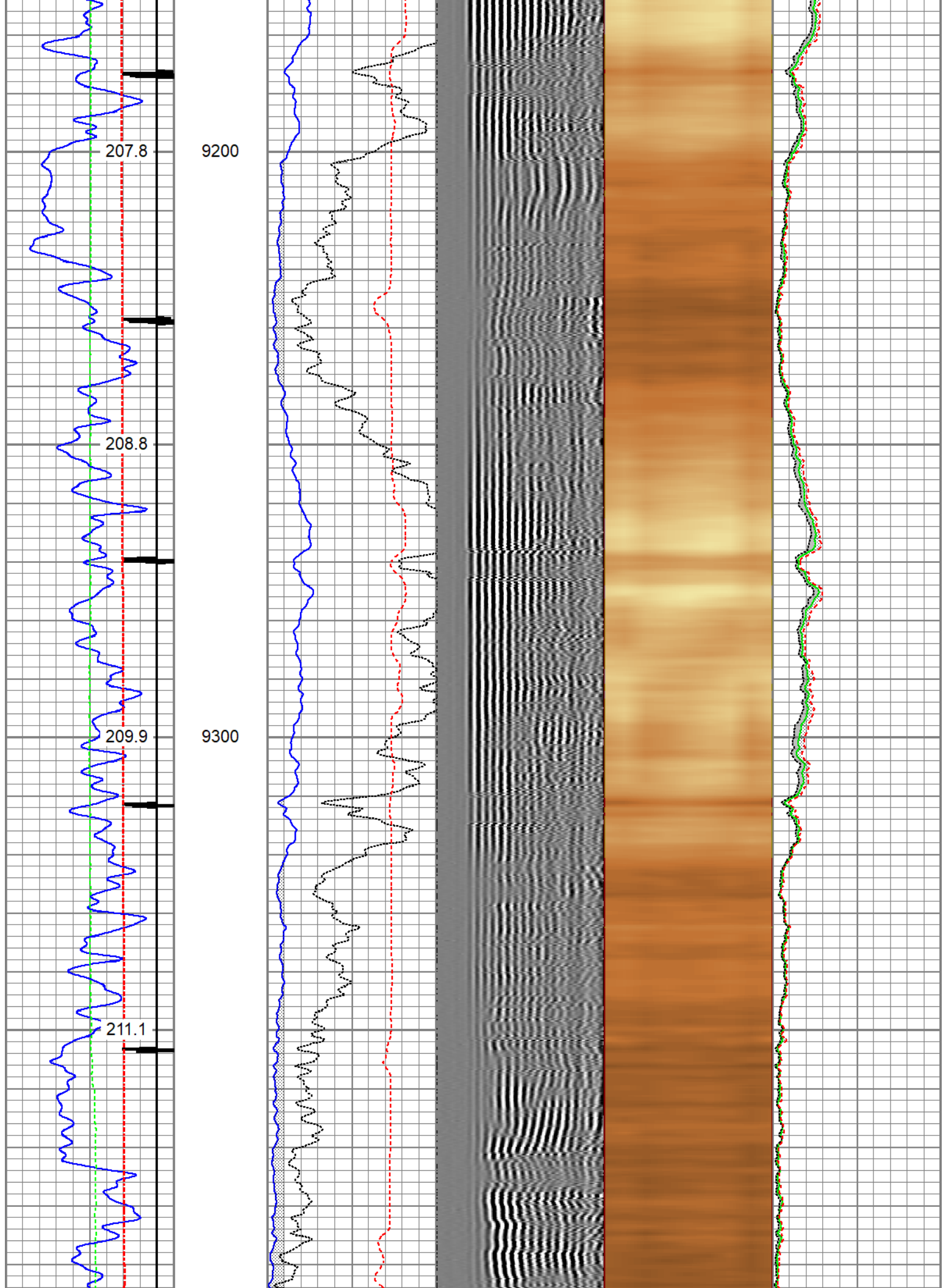


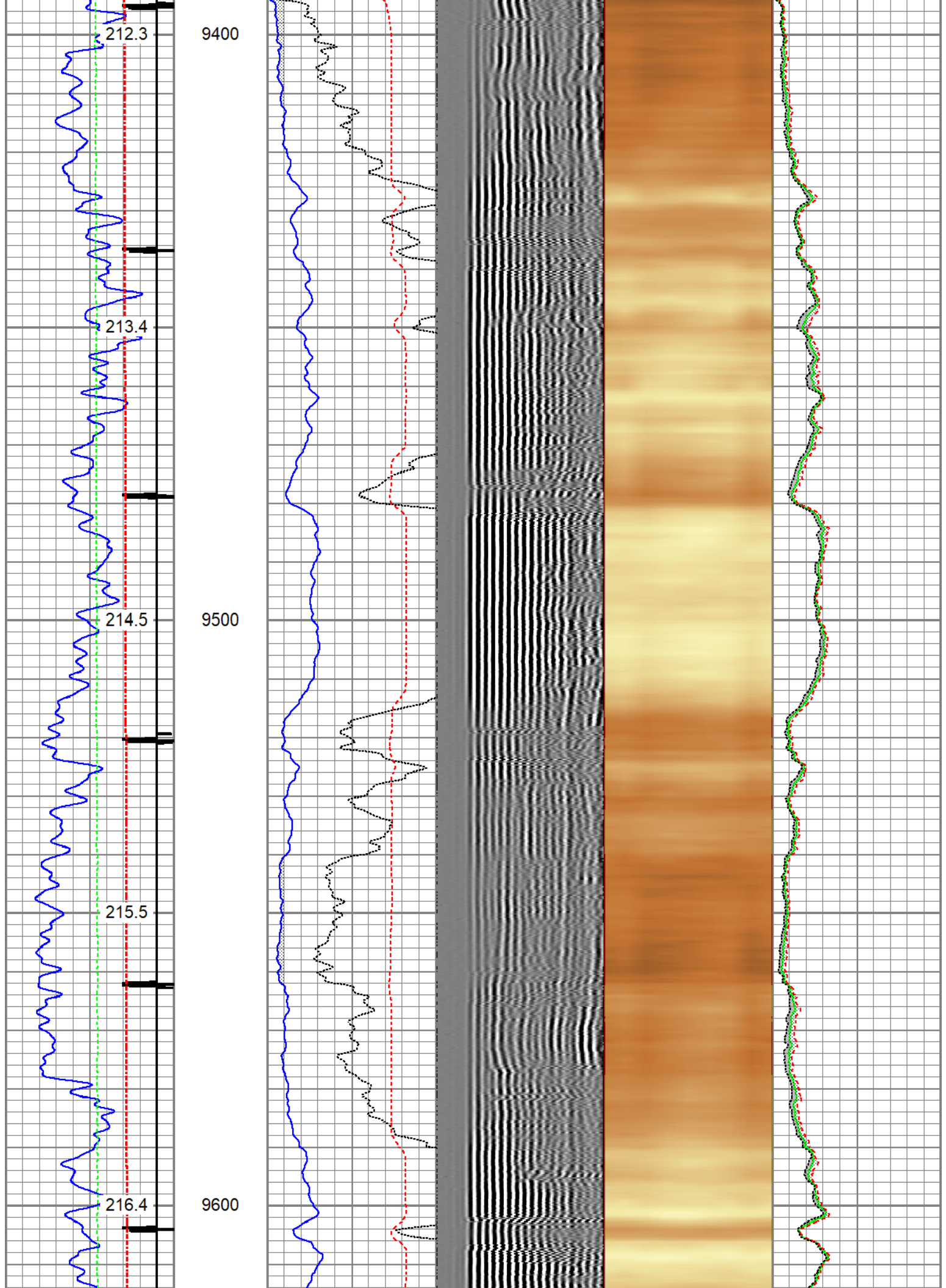


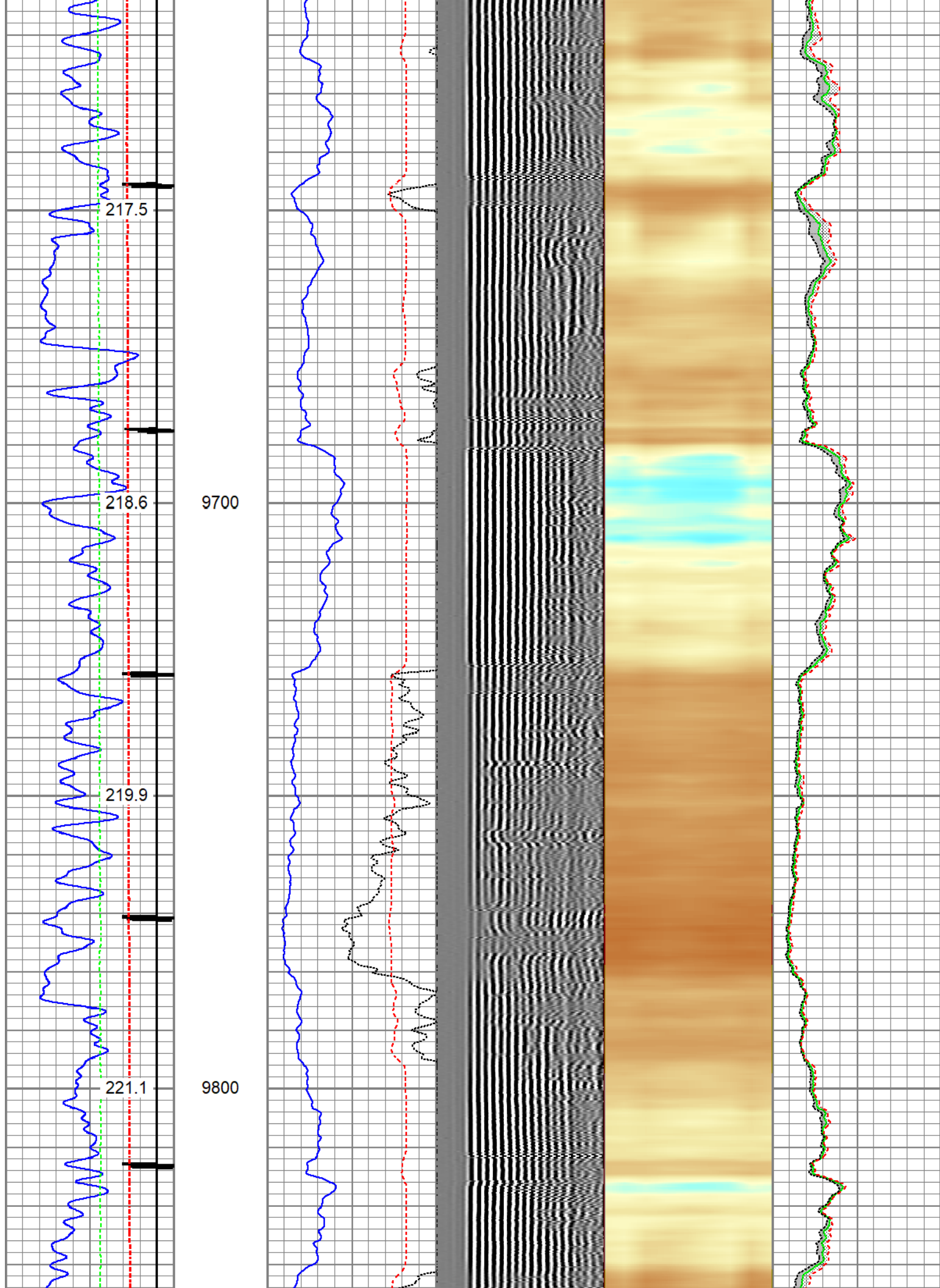


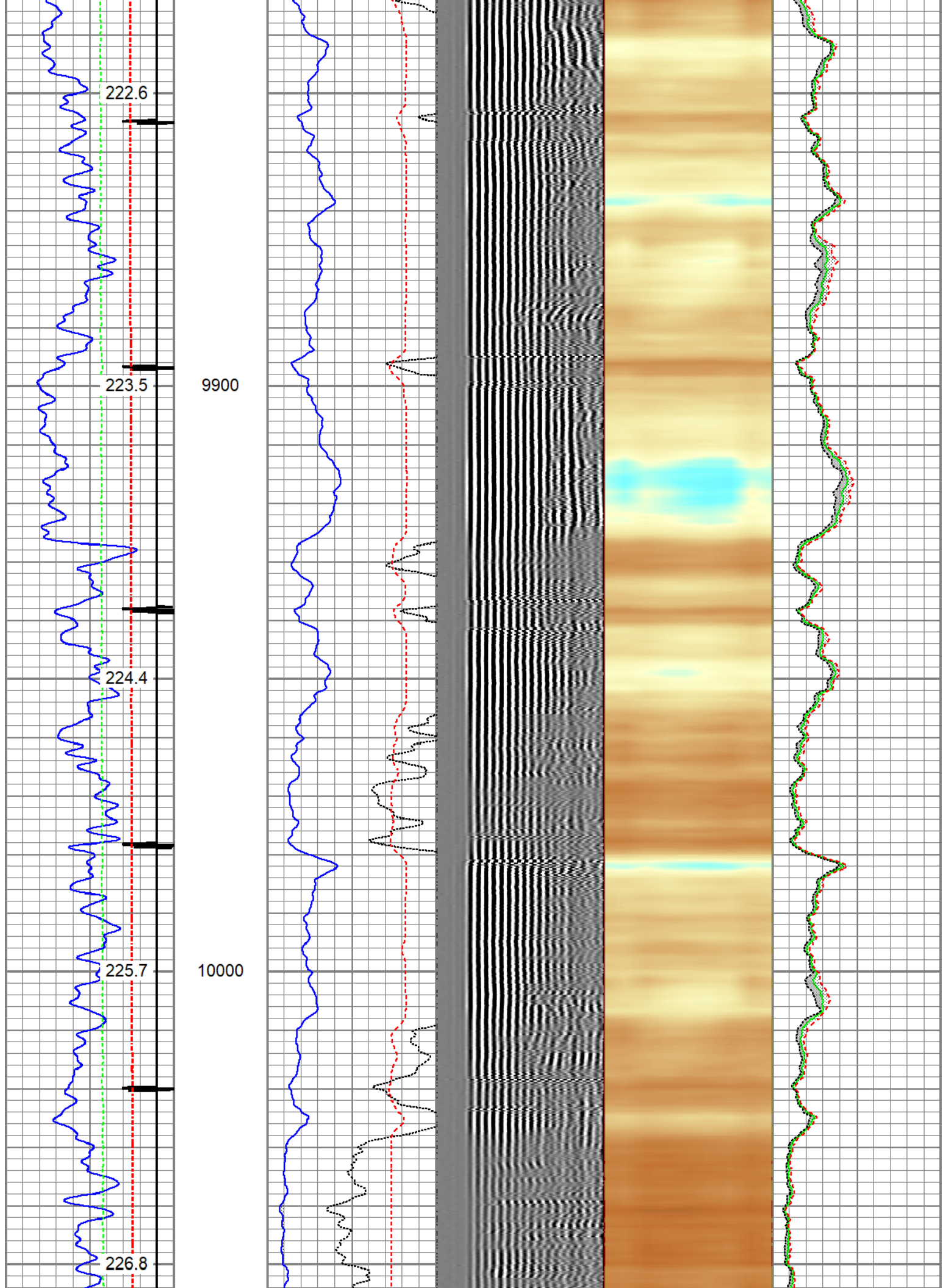


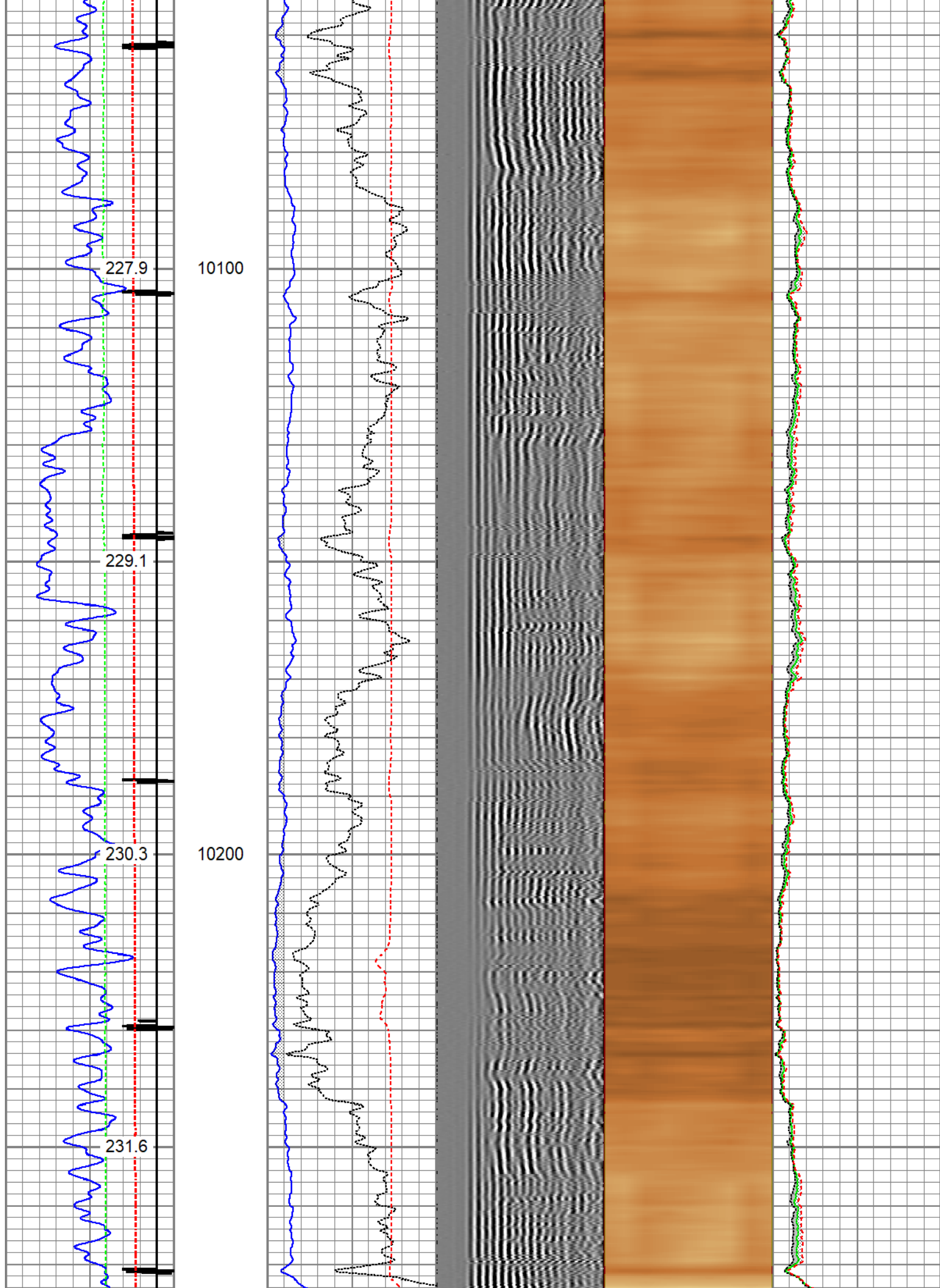


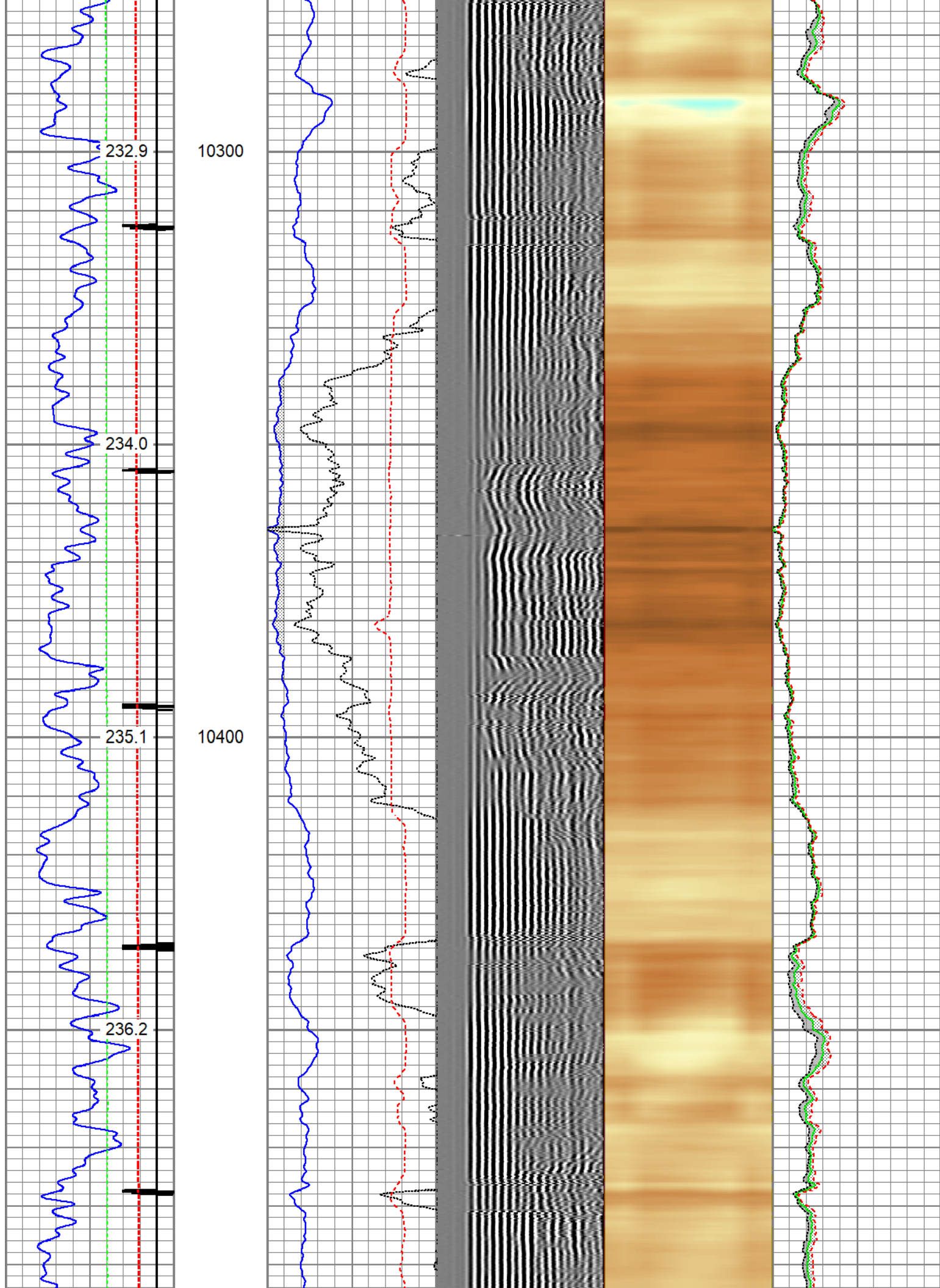


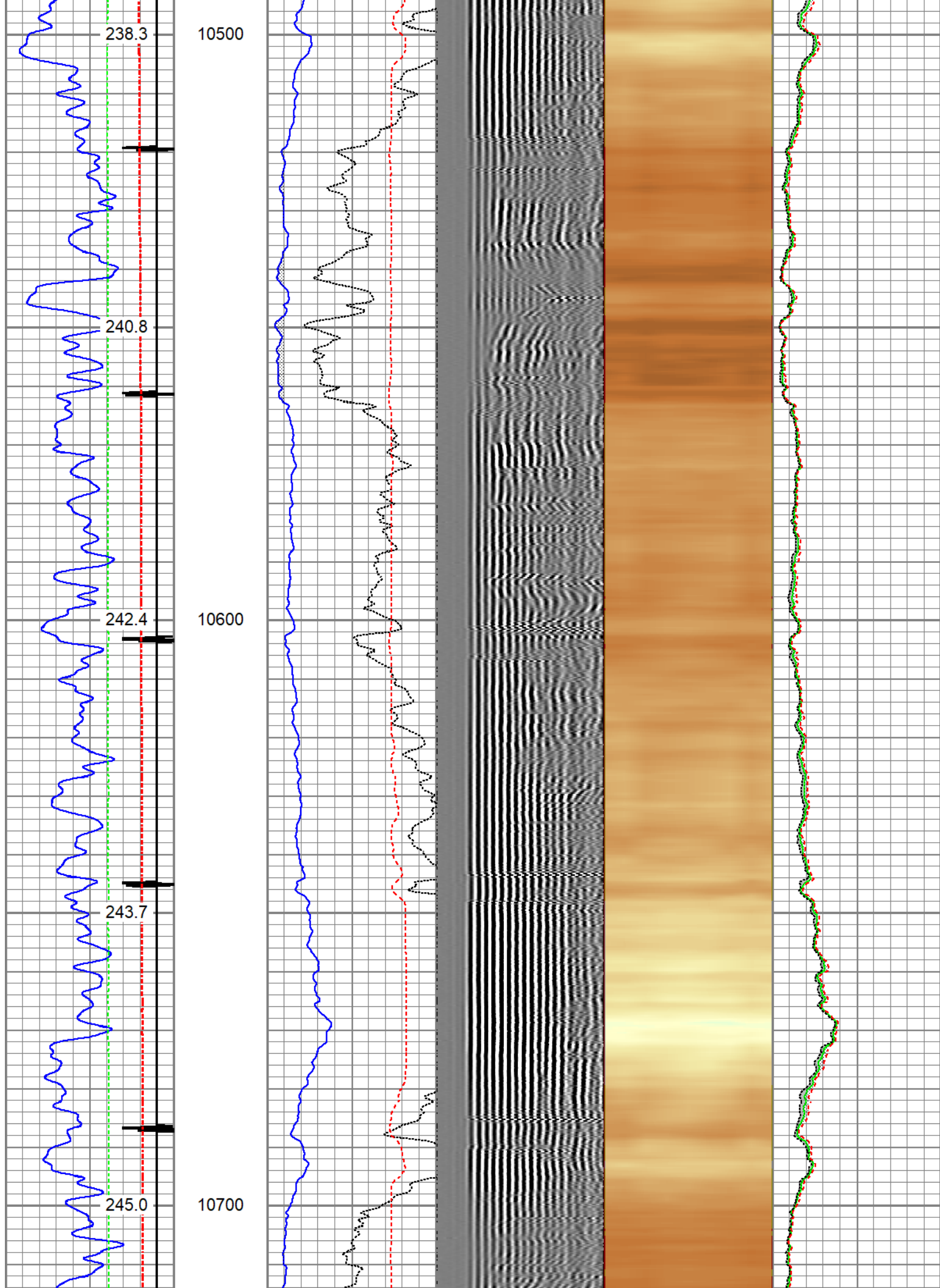


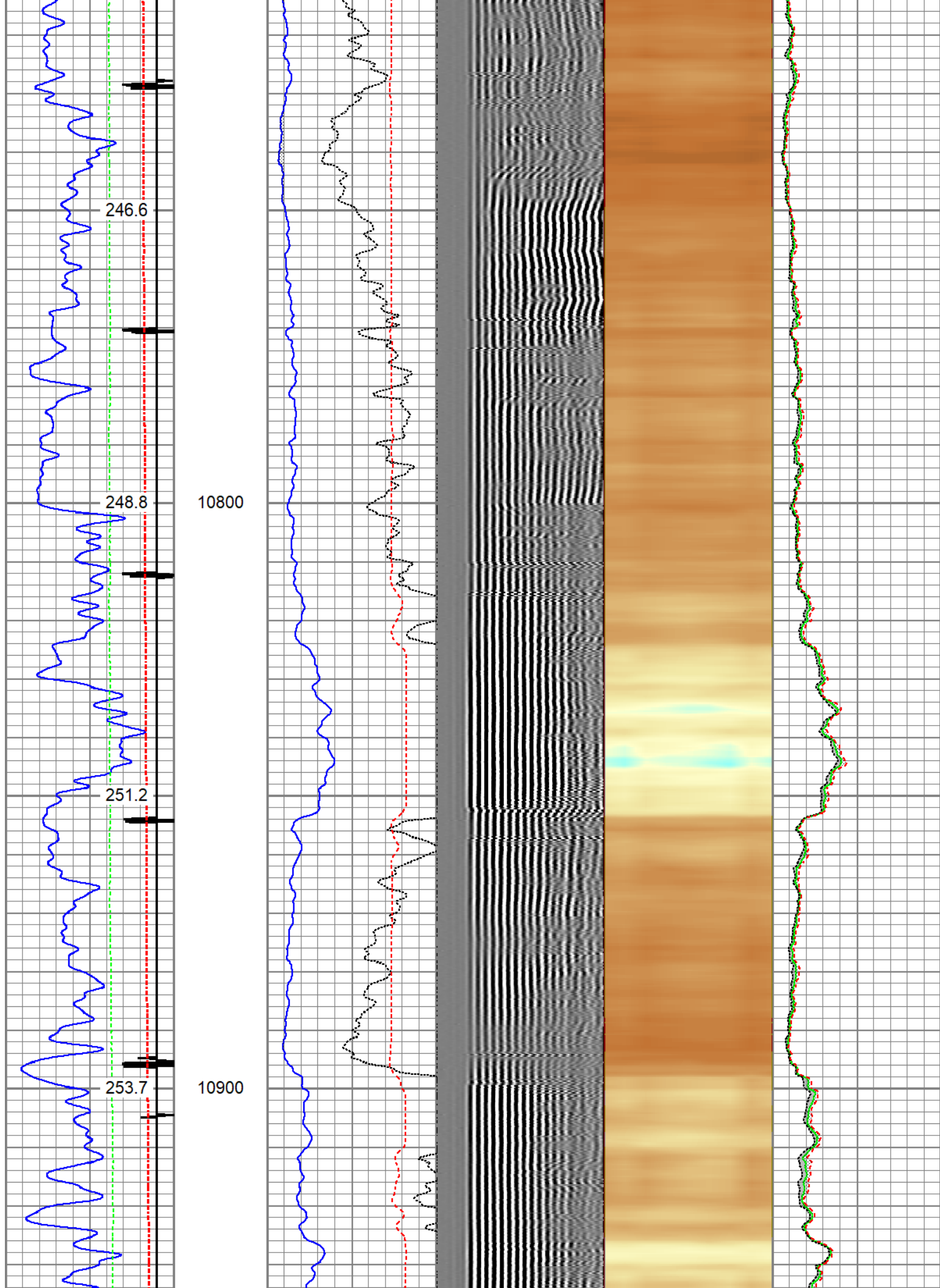


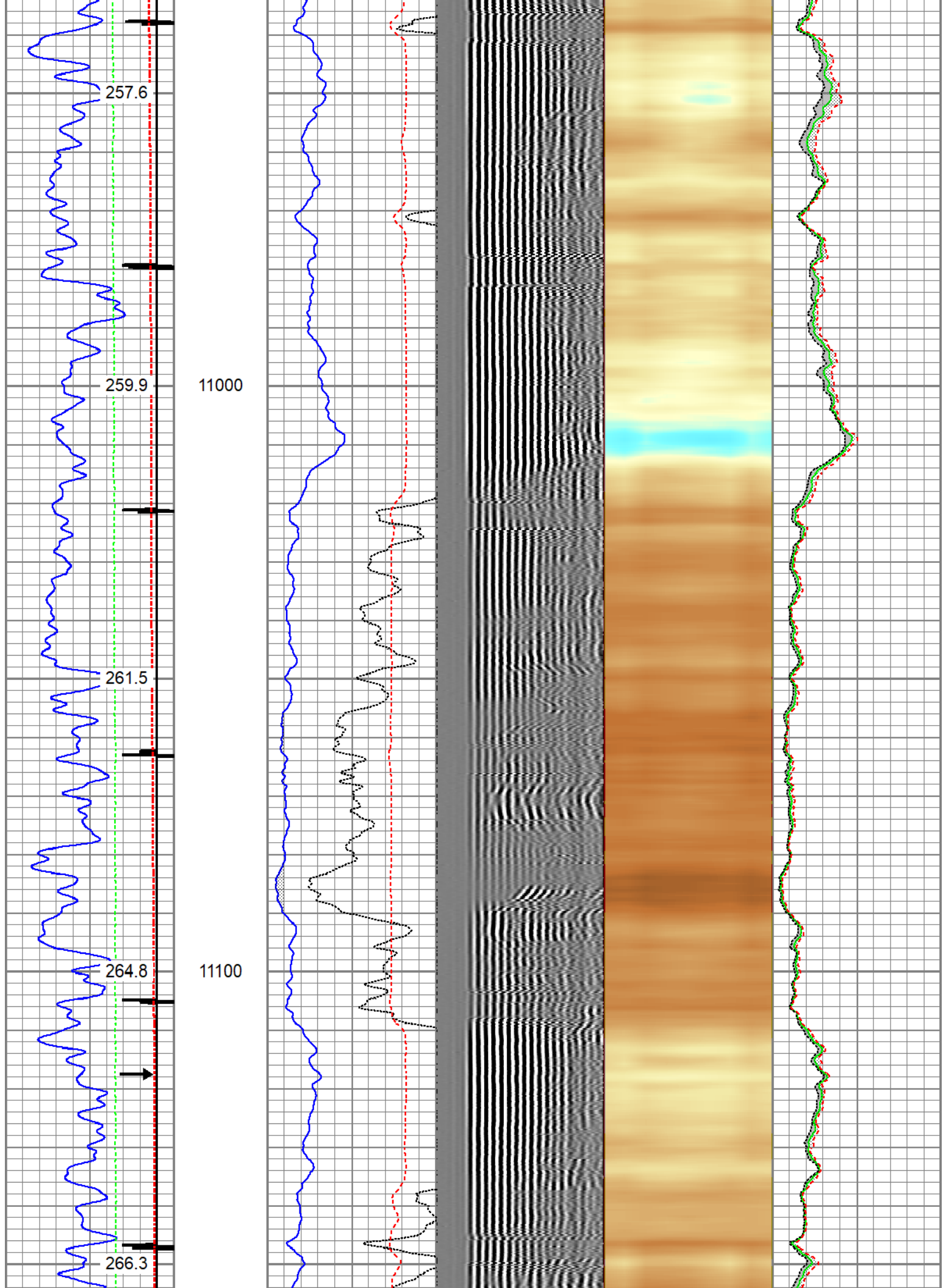


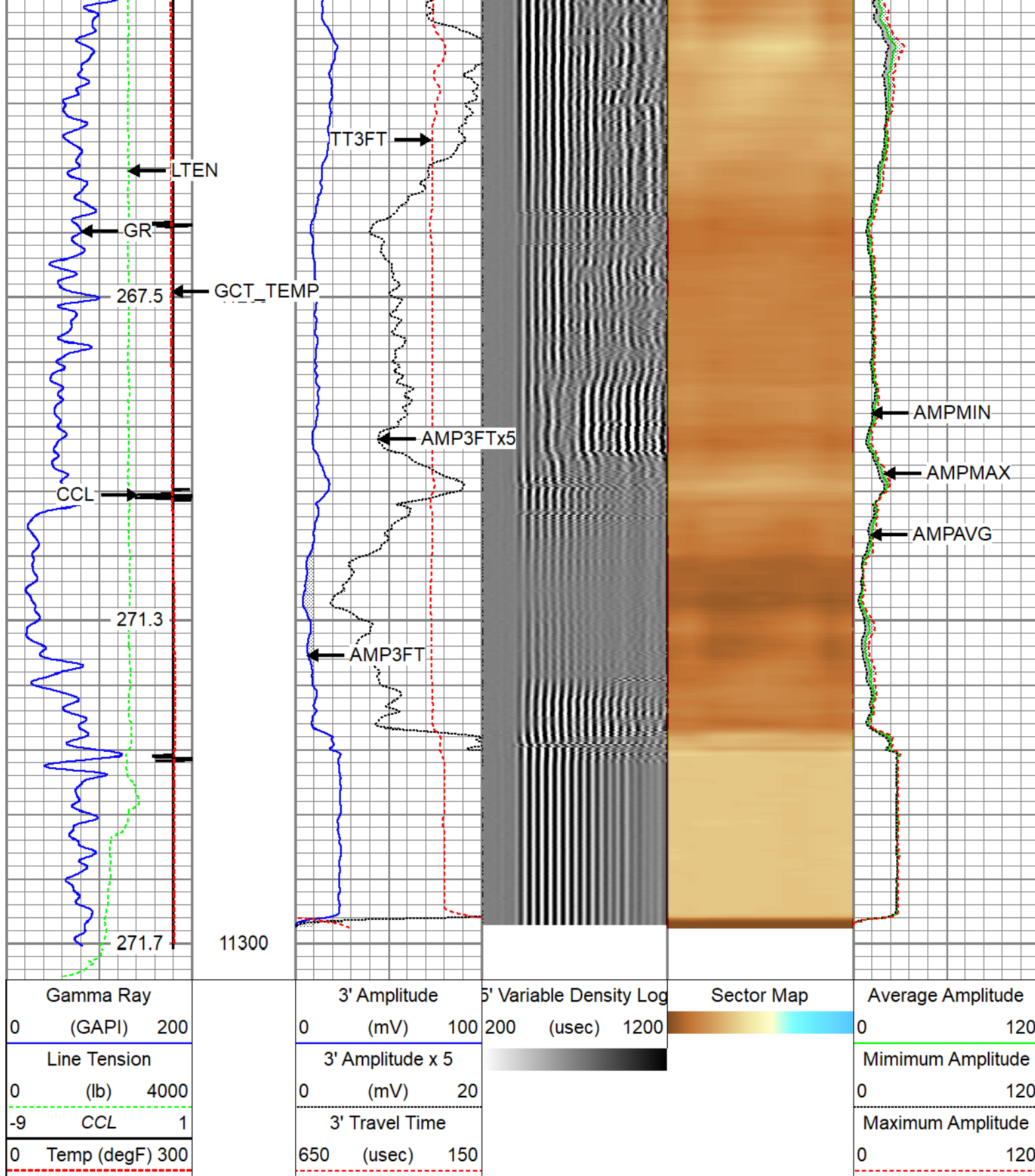






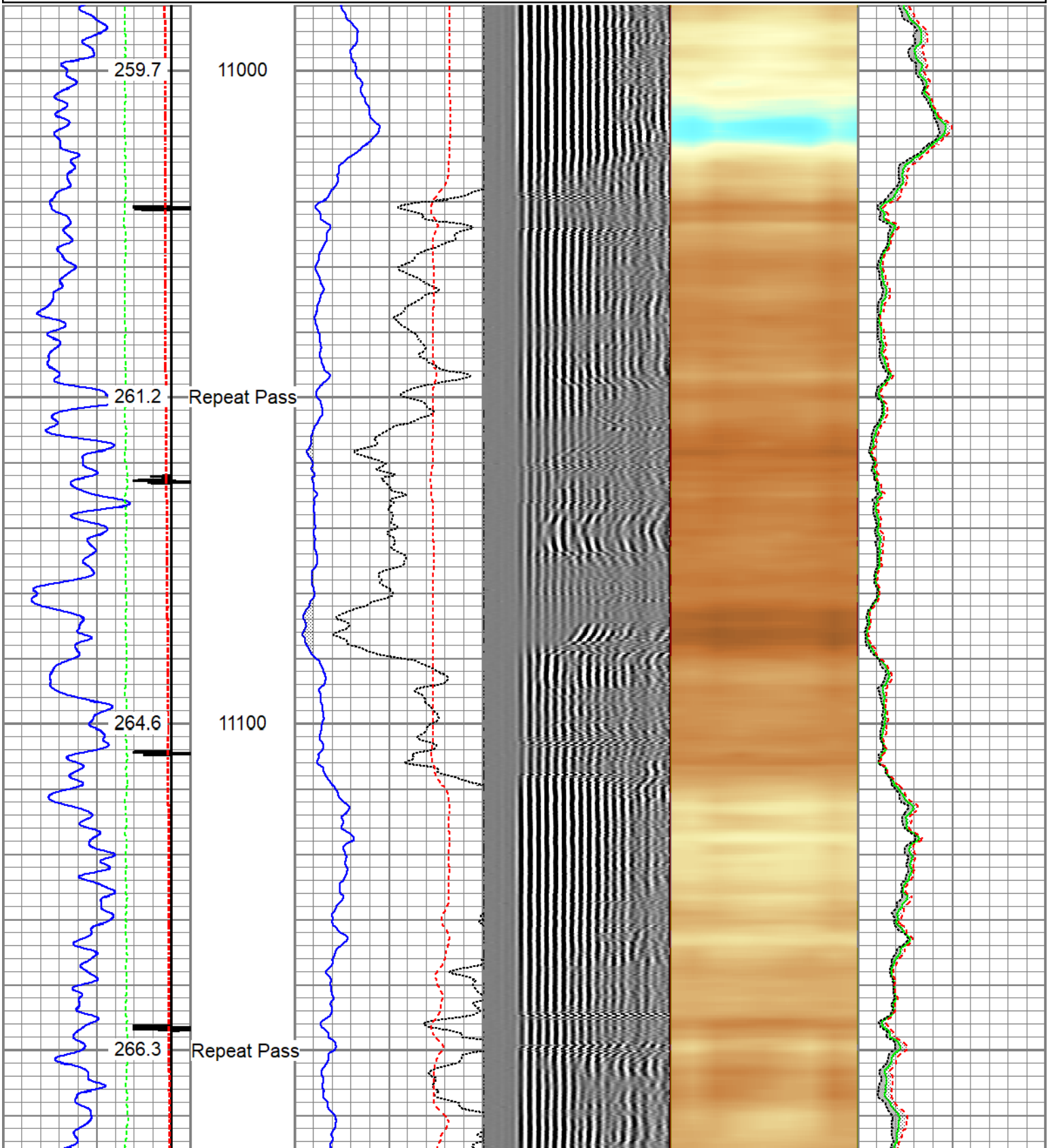


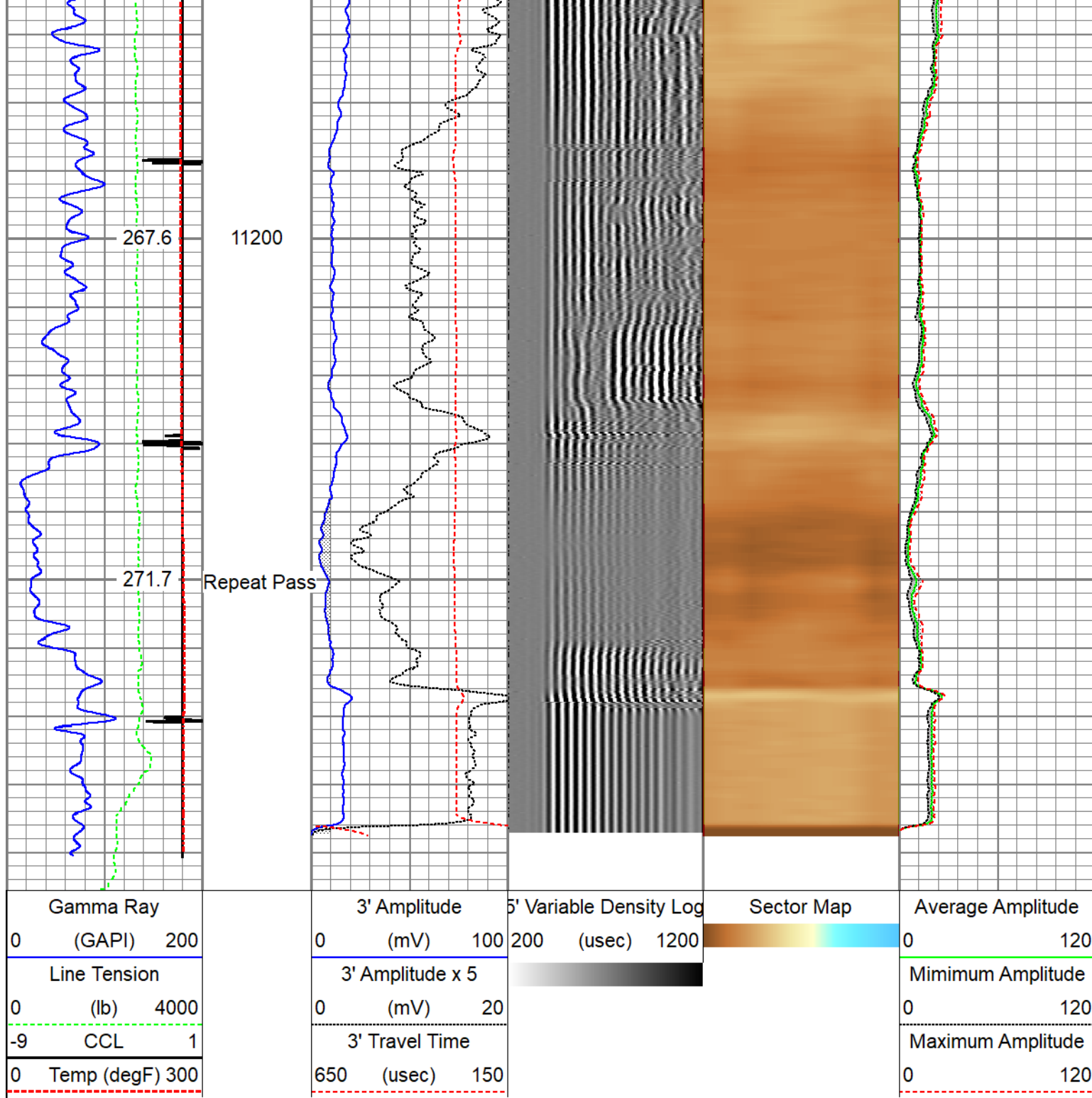




Repeat Pass 5" = 100'

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200	0 (mV) 100	200 (usec) 1200		0 120
Line Tension	3' Amplitude x 5			Minimum Amplitude
0 (lb) 4000	0 (mV) 20			0 120
-9 CCL 1	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120





Calibration Report		
Database File	tep_wmc 444-24-794_rcbl_3-1-2023.db	
Dataset Pathname	main	
Dataset Creation	Wed Mar 01 10:55:51 2023	

Gamma Ray Calibration Report

Serial Number:	110254	
Tool Model:	GCTacc_6-Pin-Base	
Performed:	Tue Nov 22 15:18:05 2022	
Calibrator Value:	168.0	GAPI
Background Reading:	51.1	cps
Calibrator Reading:	276.7	cps

Sensitivity:	0.7447	GAPI/cps			
Inclinometer Calibration Report					
Performed:	(Not Performed)				
	Low Read.	High Read.		Low Ref.	High Ref.
X Accelerometer	0.00	1.00		0.00	1.00 gee
Y Accelerometer	0.00	1.00		0.00	1.00 gee
Z Accelerometer	0.00	1.00		0.00	1.00 gee


Segmented Cement Bond Log Calibration Report						
Serial Number:	FW1311-19					
Tool Model:	Probe275acc					
Calibration Casing Diameter:	4.500	in				
Calibration Depth:	1499.358	ft				
Master Calibration, performed Wed Mar 1 07:28:03 2023:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.512	0.800	81.196	158.360	0.156
CAL	0.004	0.803				
5'	0.004	0.367	0.800	81.196	221.894	-0.181
SUM						
S1	0.004	0.522	0.000	100.000	192.930	-0.725
S2	0.004	0.513	0.000	100.000	196.277	-0.743
S3	0.004	0.547	0.000	100.000	184.367	-0.808
S4	0.004	0.539	0.000	100.000	187.036	-0.760
S5	0.004	0.521	0.000	100.000	193.596	-0.827
S6	0.004	0.500	0.000	100.000	201.377	-0.762
S7	0.003	0.498	0.000	100.000	202.417	-0.704
S8	0.005	0.537	0.000	100.000	187.907	-0.924

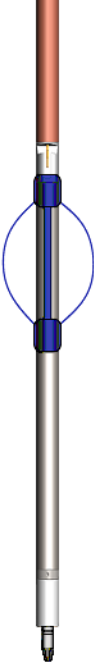
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.803	1.000	0.000


Air Zero Calibration, performed Wed Mar 1 07:07:43 2023:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						

S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Inclinometer Calibration Report					
Performed:	Thu Jul 28 15:55:38 2022				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-914.00	901.00	-1.00	1.00	gee
Y Accelerometer	-903.00	898.00	-1.00	1.00	gee
Z Accelerometer	3.47	893.02	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	14.00			1.33	3.25	10.00
mSec_Count	14.00					
RBT_Status	14.00					
Error_Ct	14.00					
WVFS8	9.50		RBT8acc-Probe275acc (FW1311-19) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	9.50					
WVFS6	9.50					
WVFS5	9.50					
WVFS4	9.50					
WVFS3	9.50					
WVFS2	9.50					
WVFS1	9.50					
WVF3FT	9.50					
WVF5FT	8.50					
GCT_HV	5.63					
RBT_ACCZ	5.25					
RBT_ACCY	5.25					

RBT_ACCX	5.25					
WVFSYNC	5.25					
WVFCAL	5.25					
CCL\$2	4.64					
CCL\$1	4.64					
GCT_TEMP	3.76					
GR	2.96					
GCT_IntTemp	1.92					
GCT_ACCZ	0.25					
GCT_ACCY	0.25					
GCT_ACCX	0.25					
<div> <div> Dataset: tep_wmc 444-24-794_rcbl_3-1-2023.db: field/well/run1/main Total length: 14.00 ft Total weight: 131.00 lb O.D.: 3.25 in </div>  <div> SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer GCacc-GCTacc_6-Pin-Base (110254) Probe 2.75" Gamma Ray - CCL w/ Temp and 6 Pin Bottom GO BN-14375 GO 1-7/16" Bull Nose with Go Box Top </div> </div>						

Company	TEP Rocky Mountain LLC				
Well	Federal WMC 444-24-794				
Field	Rulison				
County	Garfield	State	Colorado		
		Radial Cement Bond Gamma Ray Casing Collar Log			