



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company		TEP Rocky Mountain LLC							
Well		Federal WMC 344-24-794							
Field		Rulison							
County		Garfield							
State		Colorado							
Location:		API # : 05-045-24537							
SEC 19 TWP 7S RGE 93W		Other Services							
Permanent Datum		Ground Level		Elevation		8563'			
Log Measured From		Kelly Bushing		Elevation		K.B. 8593 FT			
Drilling Measured From		Kelly Bushing		Elevation		D.F. 8592 FT			
				Elevation		G.L. 8563 FT			
Date		01-MAR-2023							
Run Number		One							
Depth Driller		11214'							
Depth Logger		11158'							
Bottom Logged Interval		11160'							
Top Log Interval		Surface							
Open Hole Size		8.75"							
Type Fluid		Water							
Density / Viscosity		8.34 Lb/Gal							
Max. Recorded Temp.		270 °F							
Estimated Cement Top		See Log							
Time Well Ready		ROA							
Time Logger on Bottom		08:00							
Equipment Number		8047							
Location		Grand Junction							
Recorded By		D. Clark							
Witnessed By		D. Welsh							
Run Number		Bit		From		To			
Casing Record		Size		Wgt/Ft		Top		Bottom	
Surface String		9-5/8"		36		Surface		1174'	
Prot. String									
Production String		4-1/2"		11.6		Surface		11168'	
Liner									

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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 @7101' - 7111'
Log ran with 0 PSI at surface

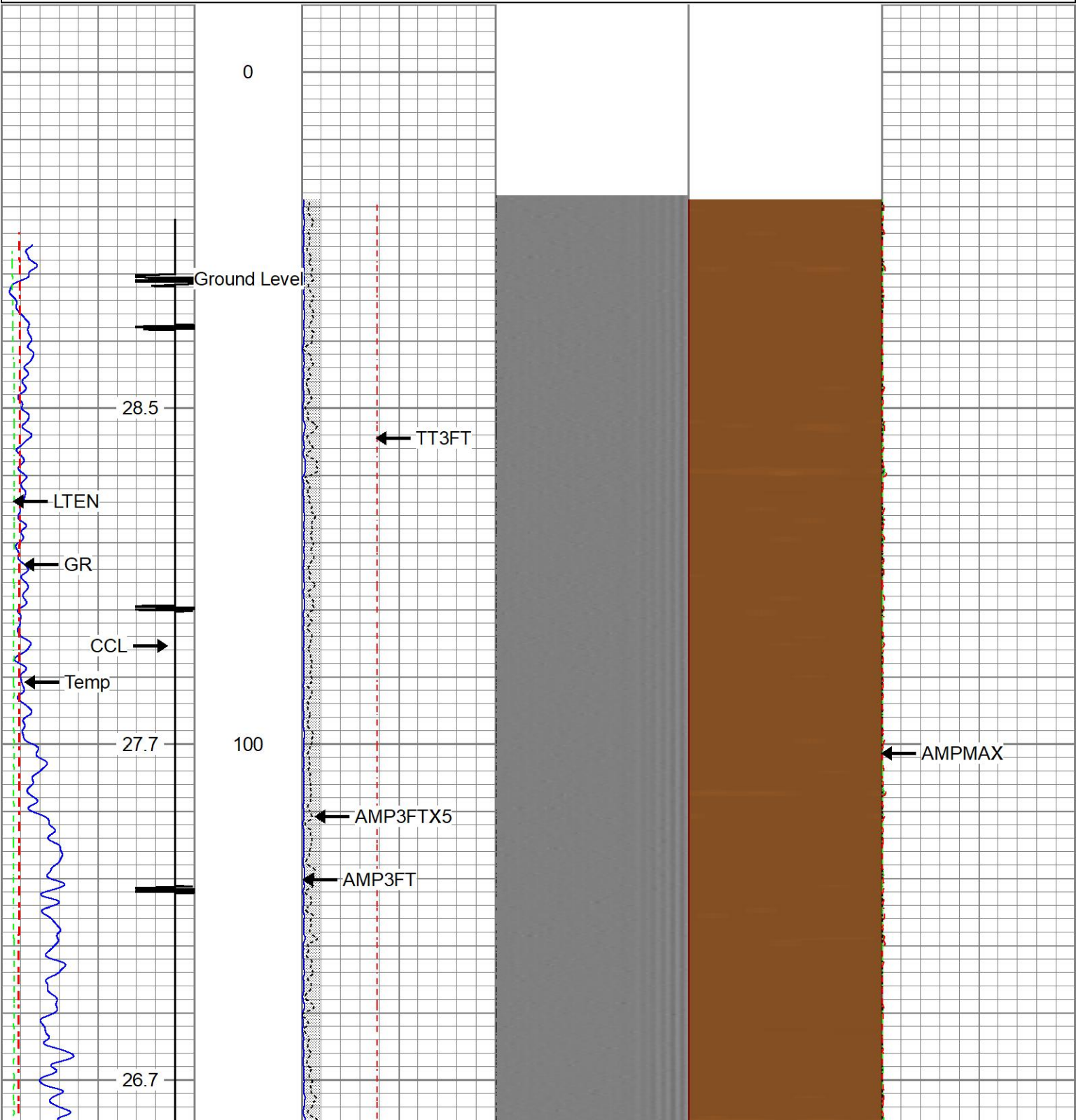
Thank you for choosing The Wireline Group!



Main Pass 5" = 100'

Database File	tep_wmc344-24-794_rcbl_3-1-2023\tep_wmc 344-24-794_rcbl_3-1-2023.db
Dataset Pathname	Main_Pass/main
Presentation Format	twgrcbl
Dataset Creation	Wed Mar 01 08:16:37 2023
Charted by	Depth in Feet scaled 1:240

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



Fluid Level

27.4

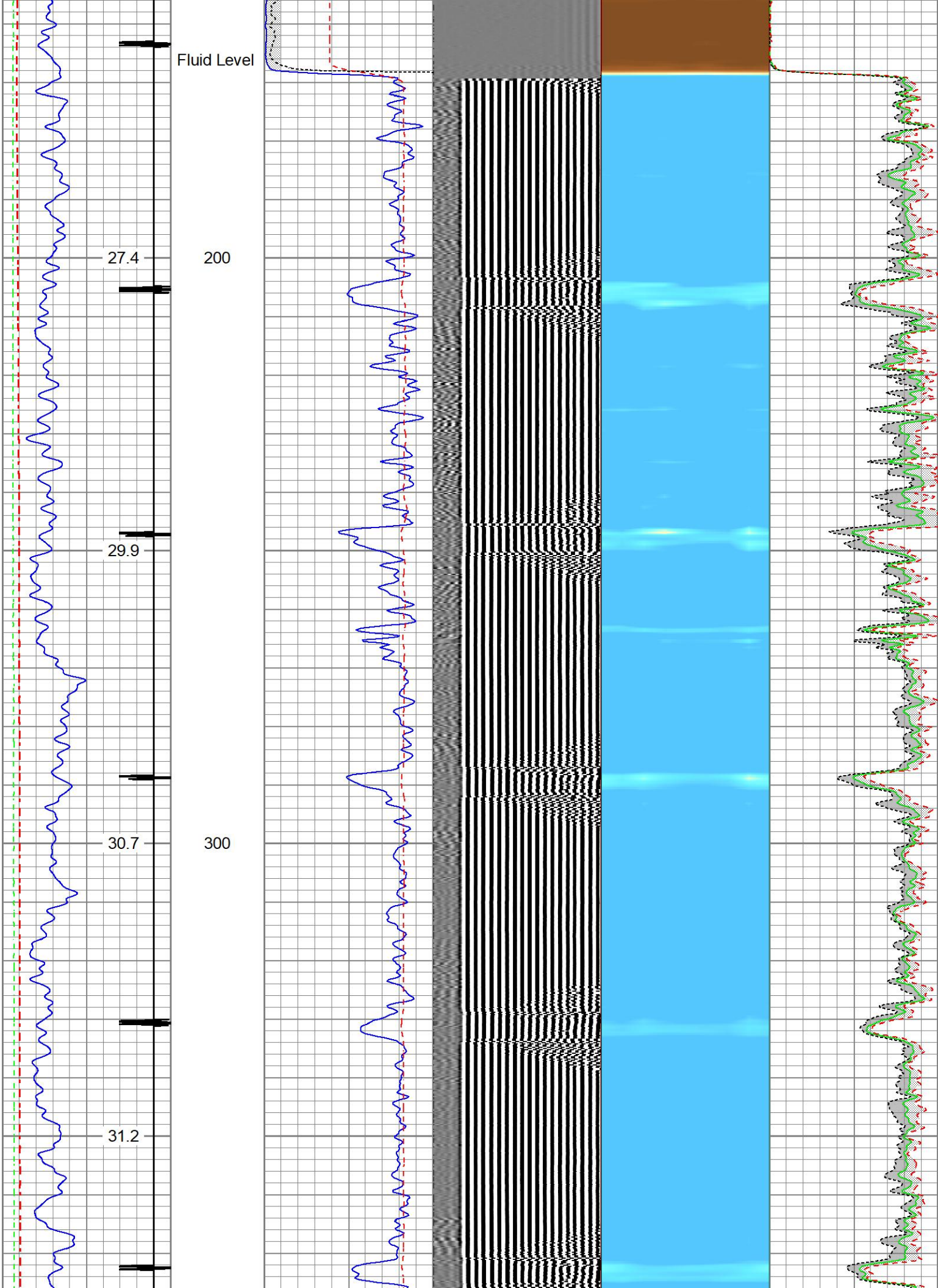
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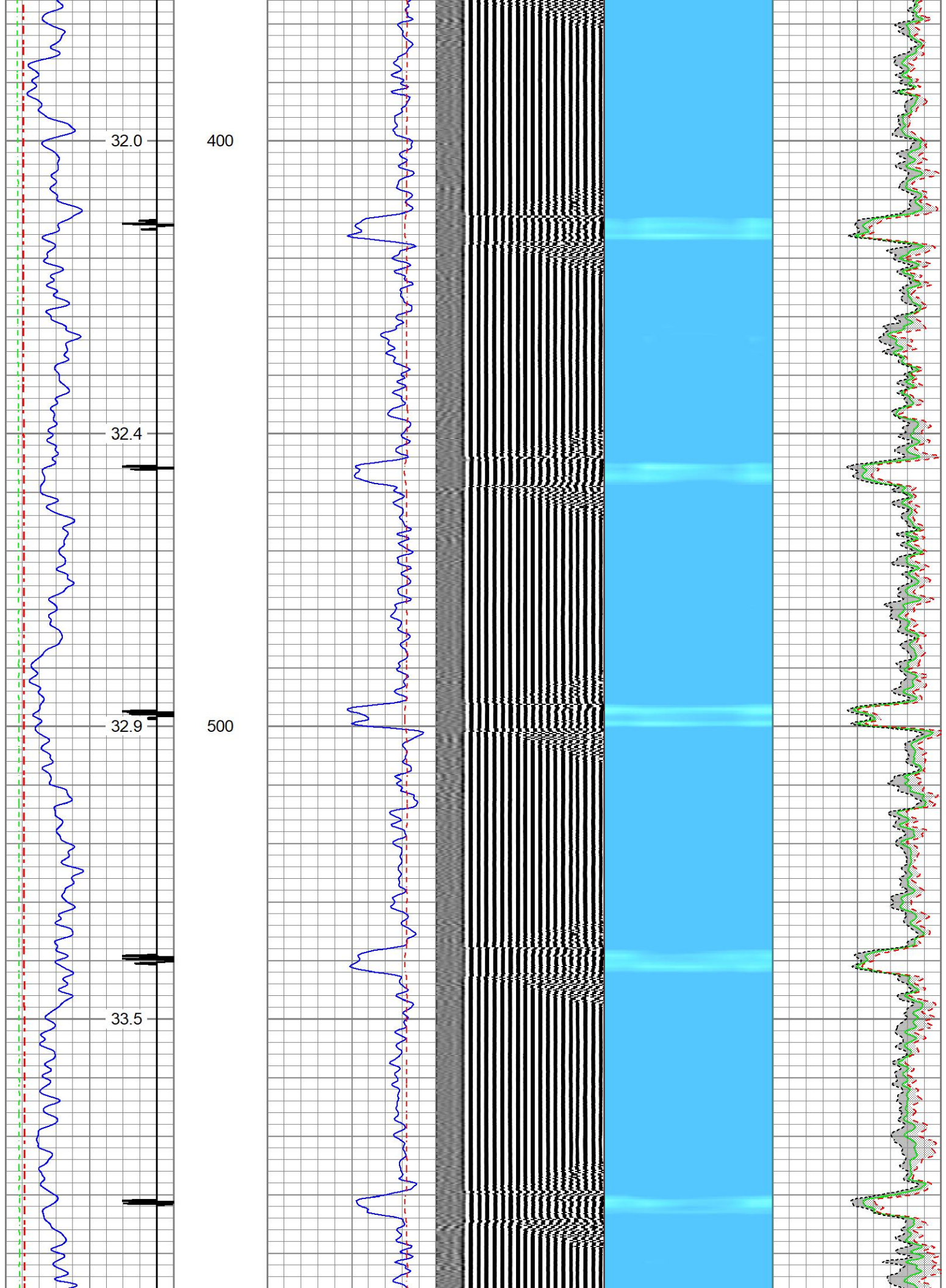
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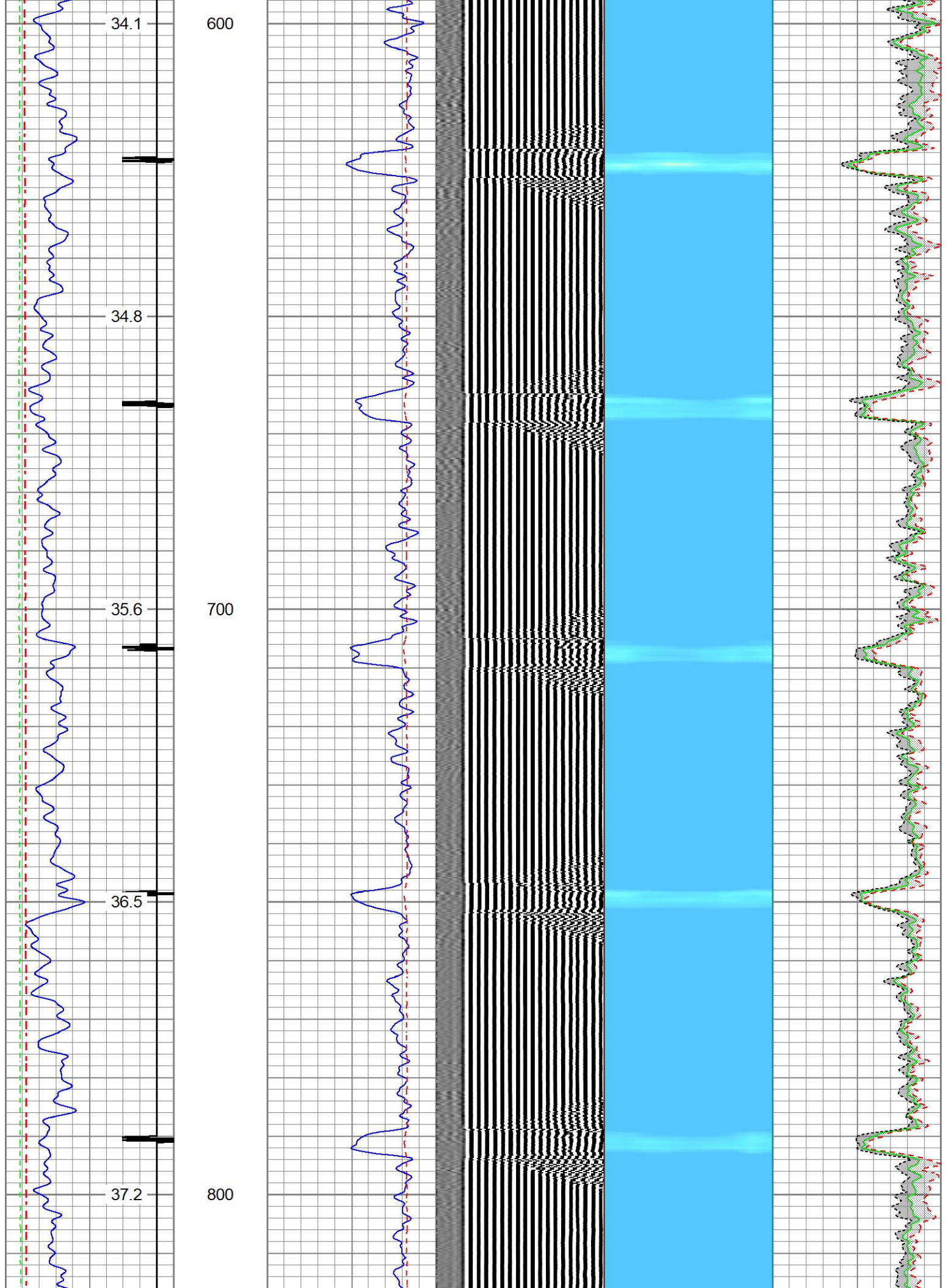
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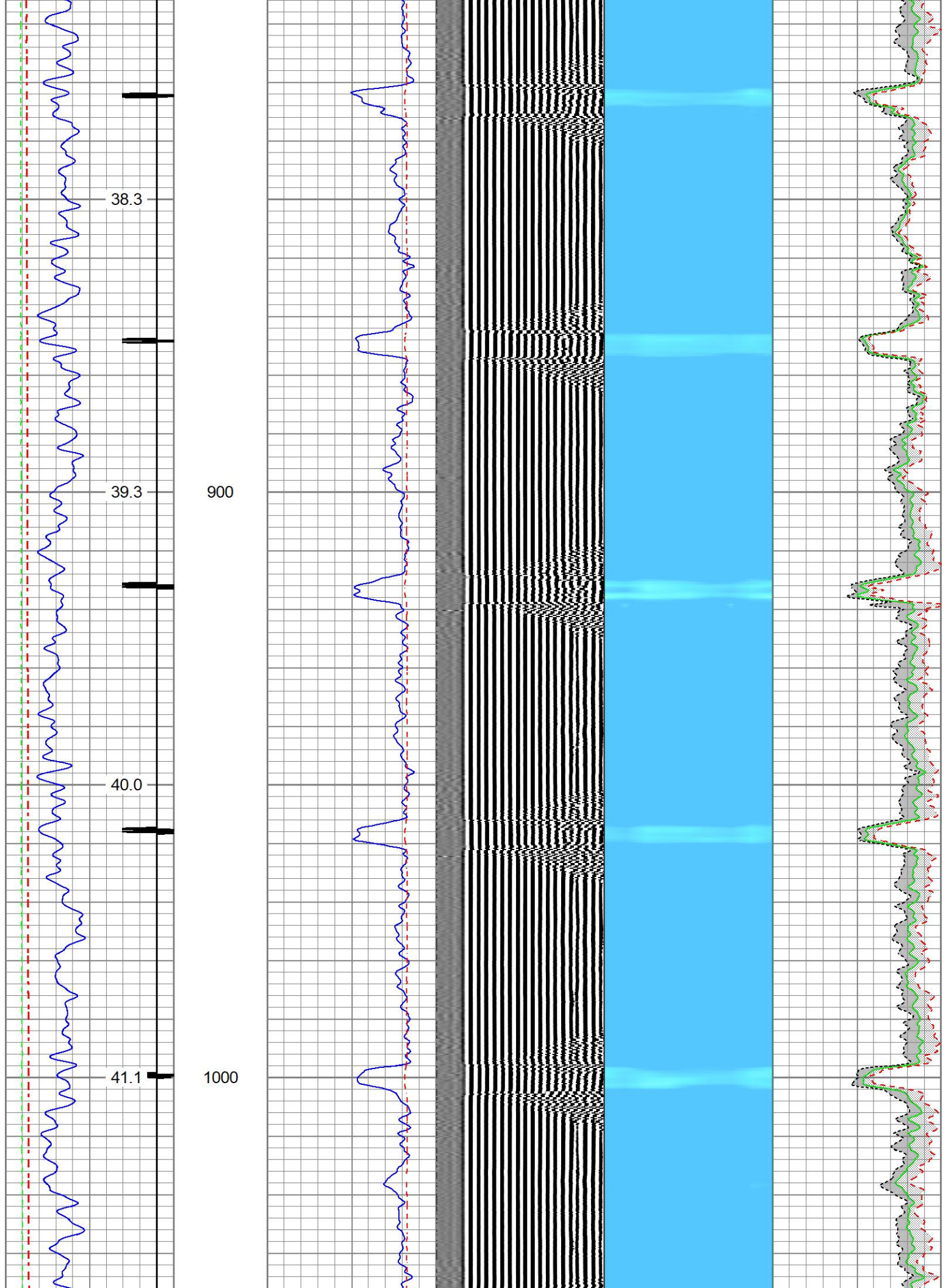
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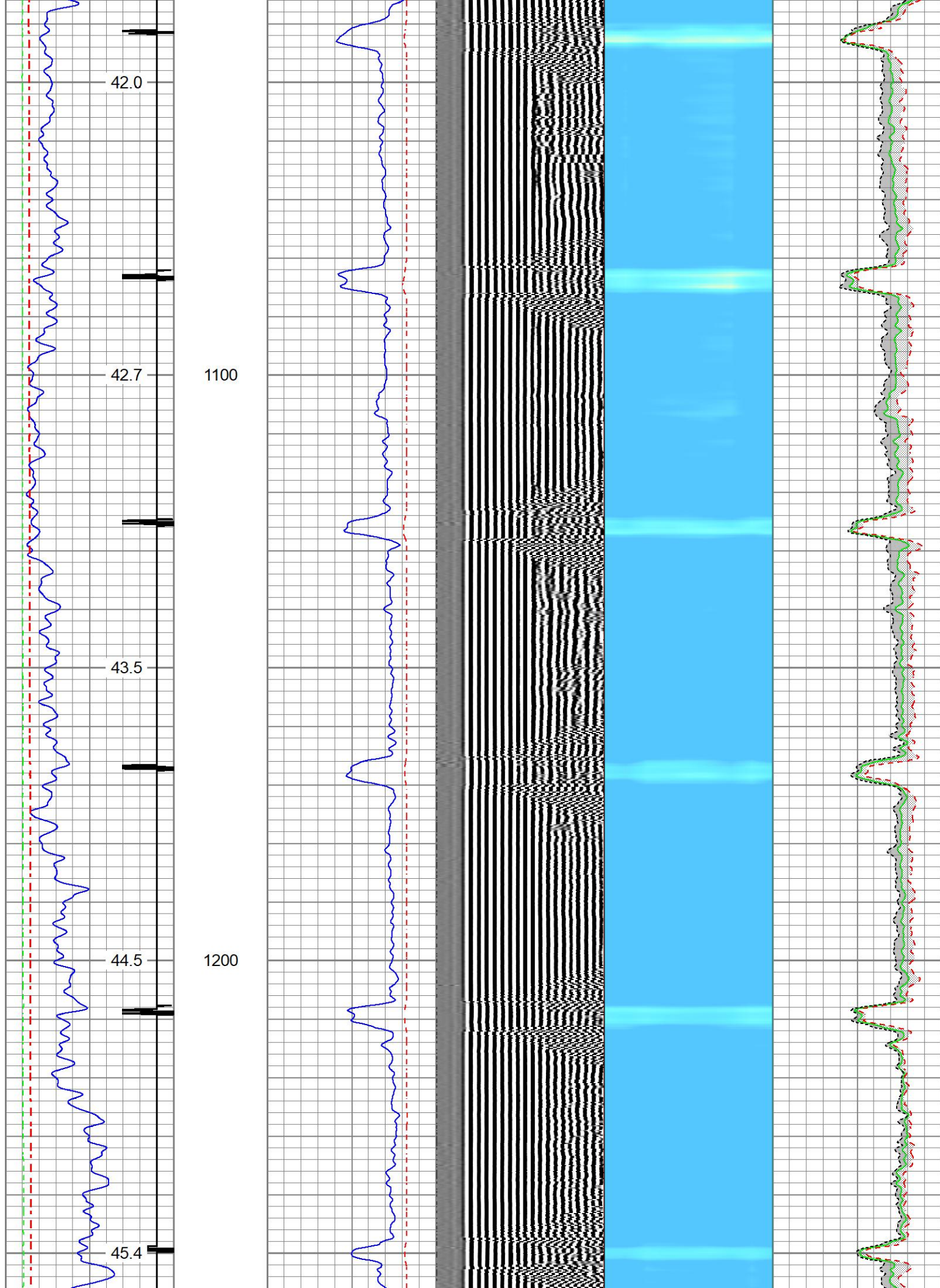
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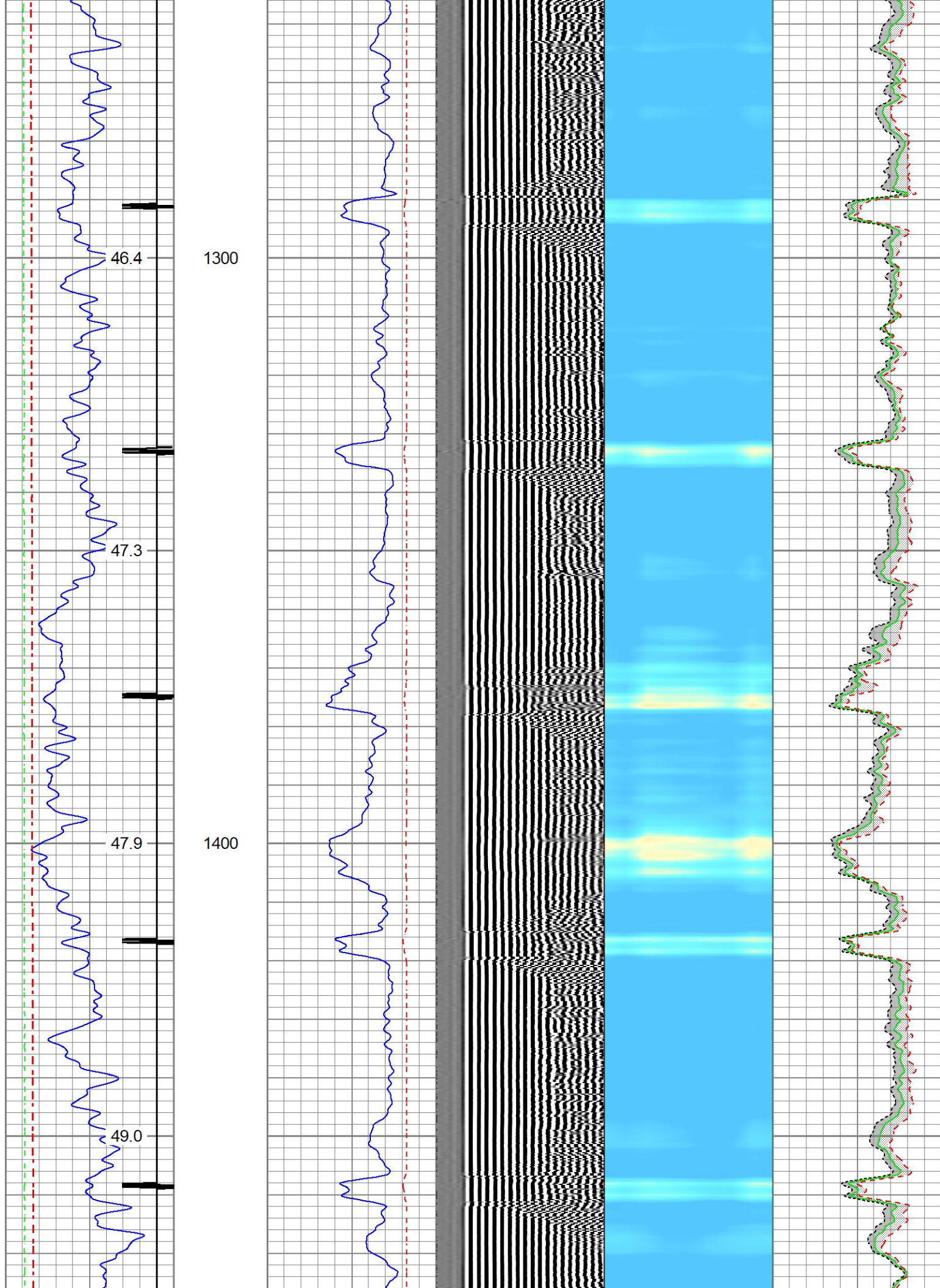


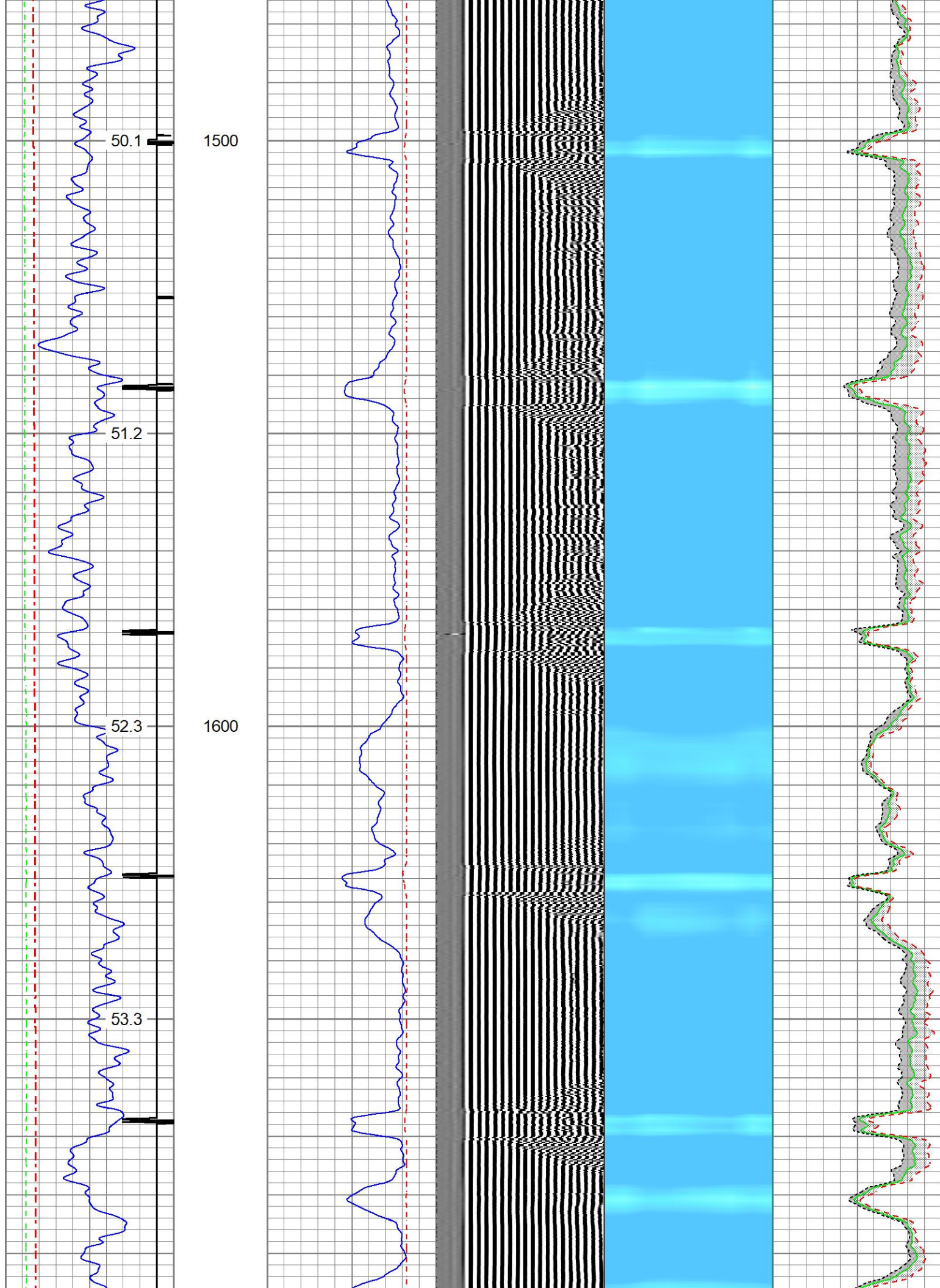


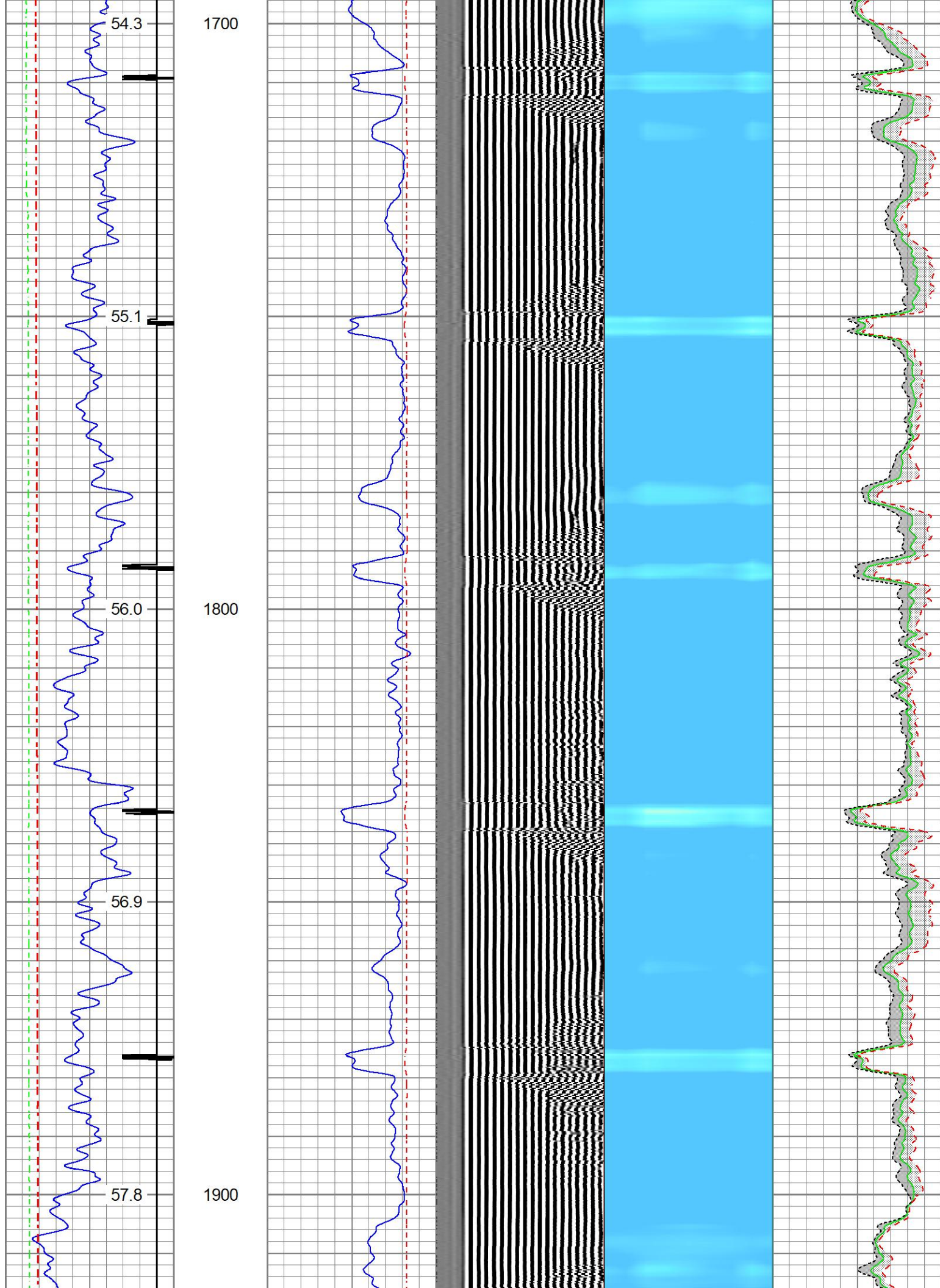


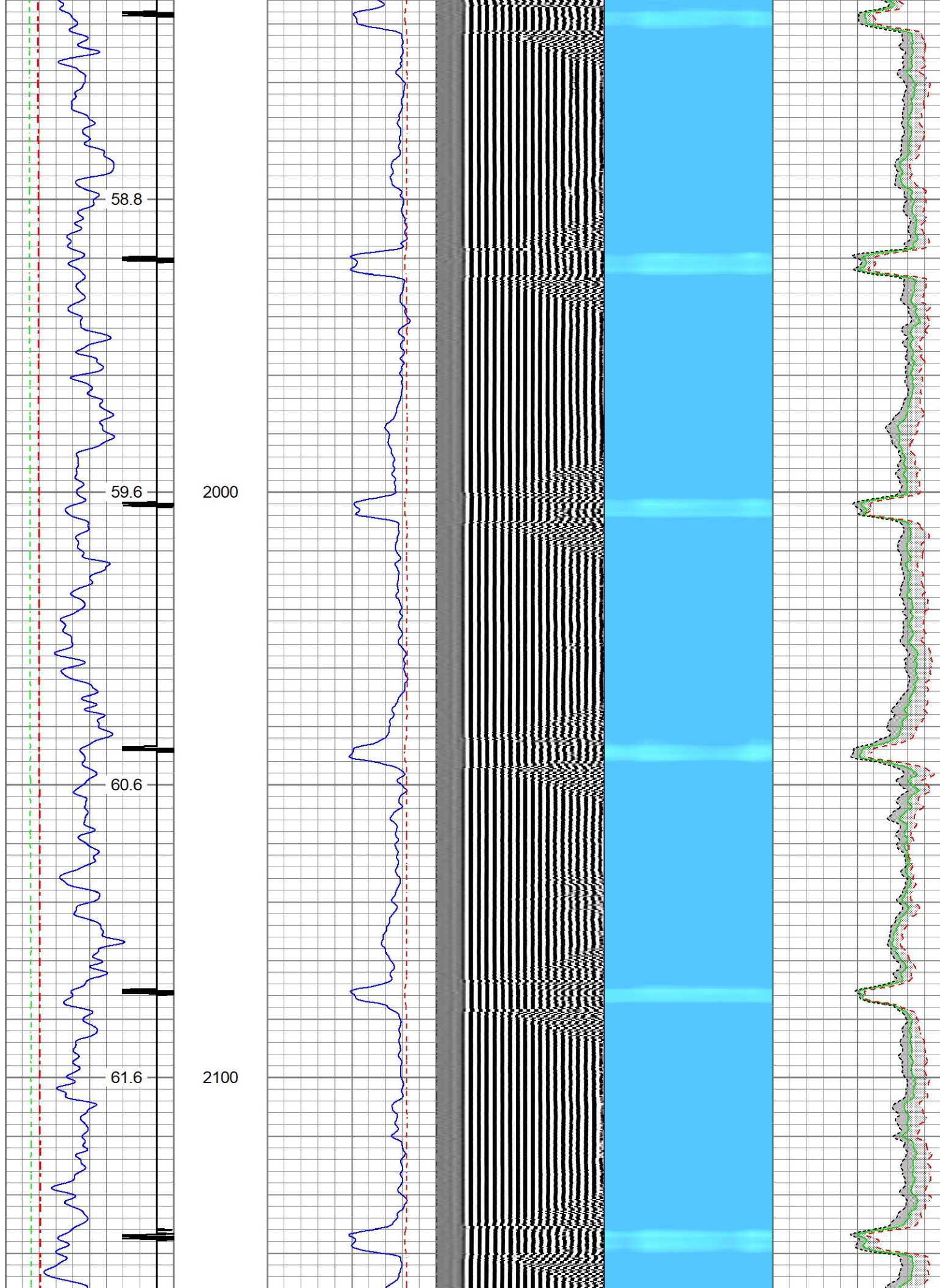


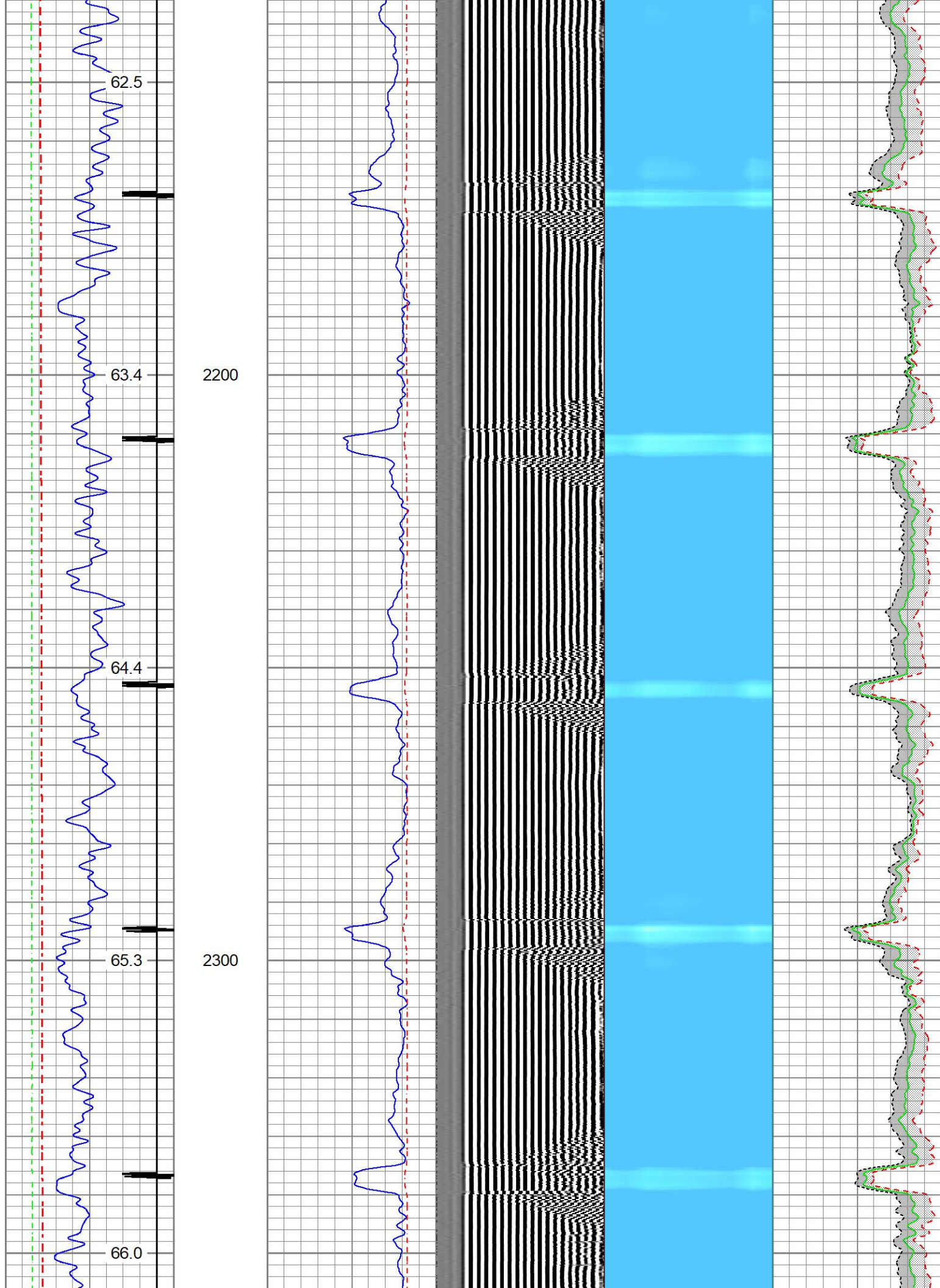


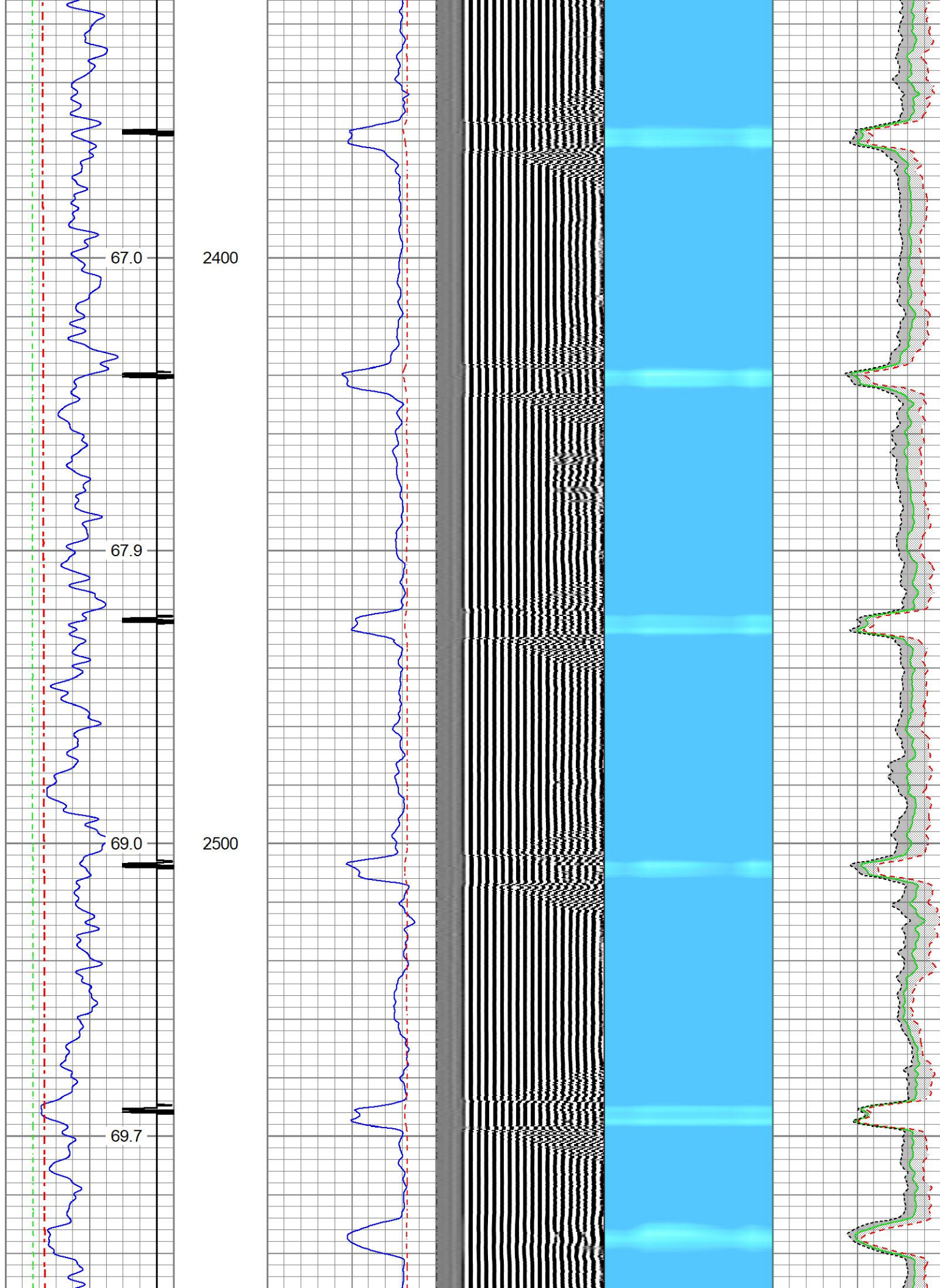


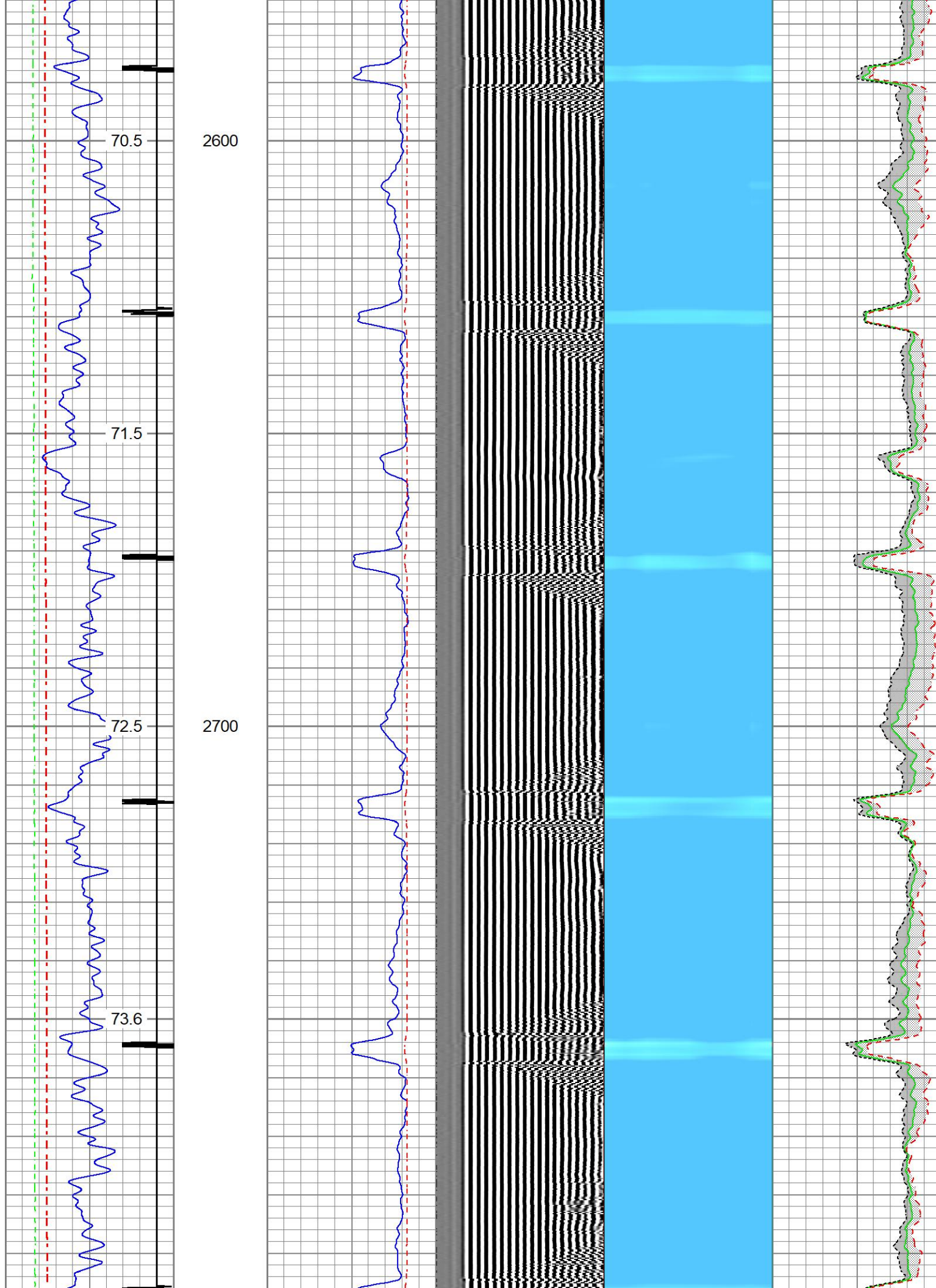


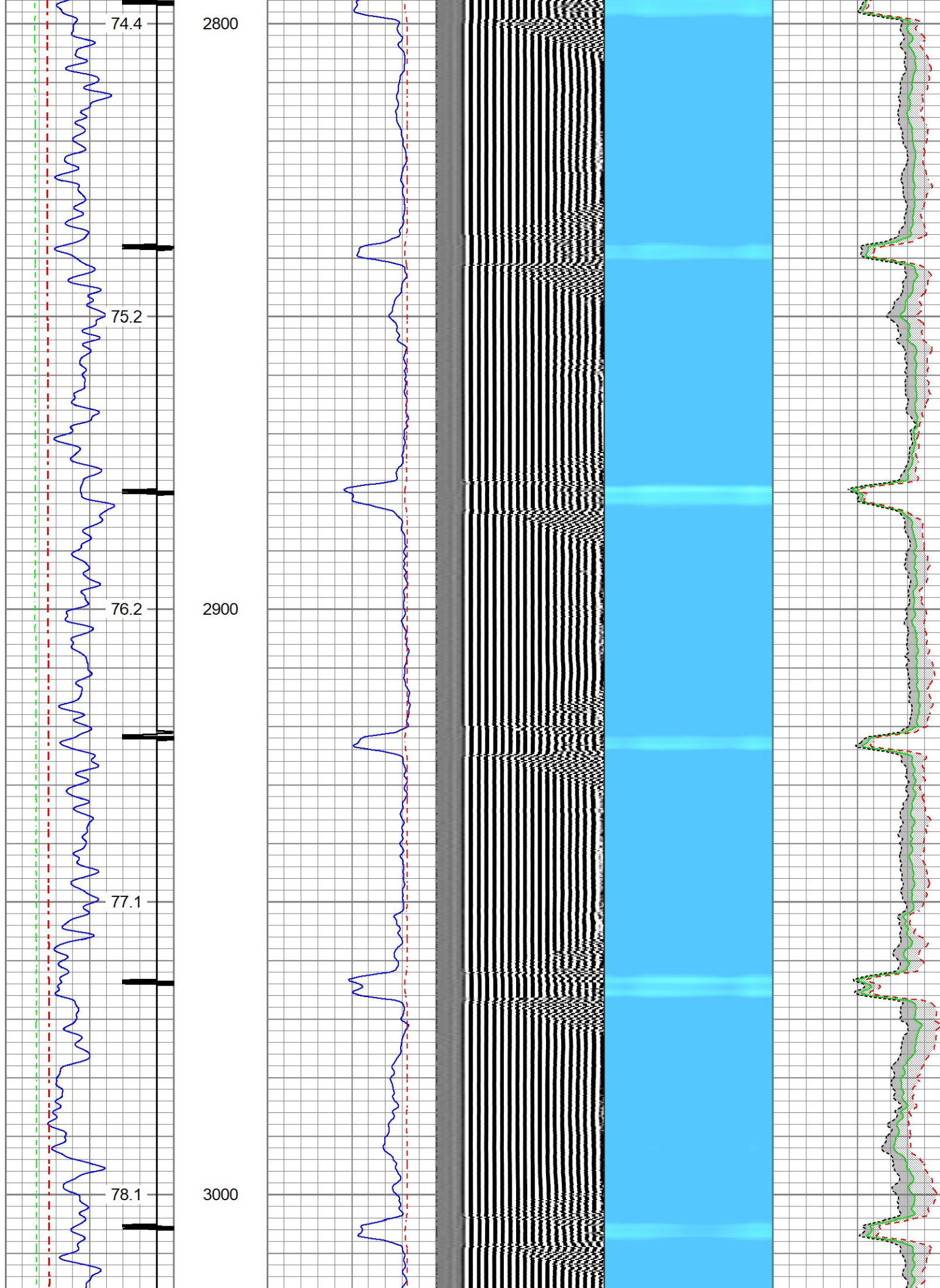


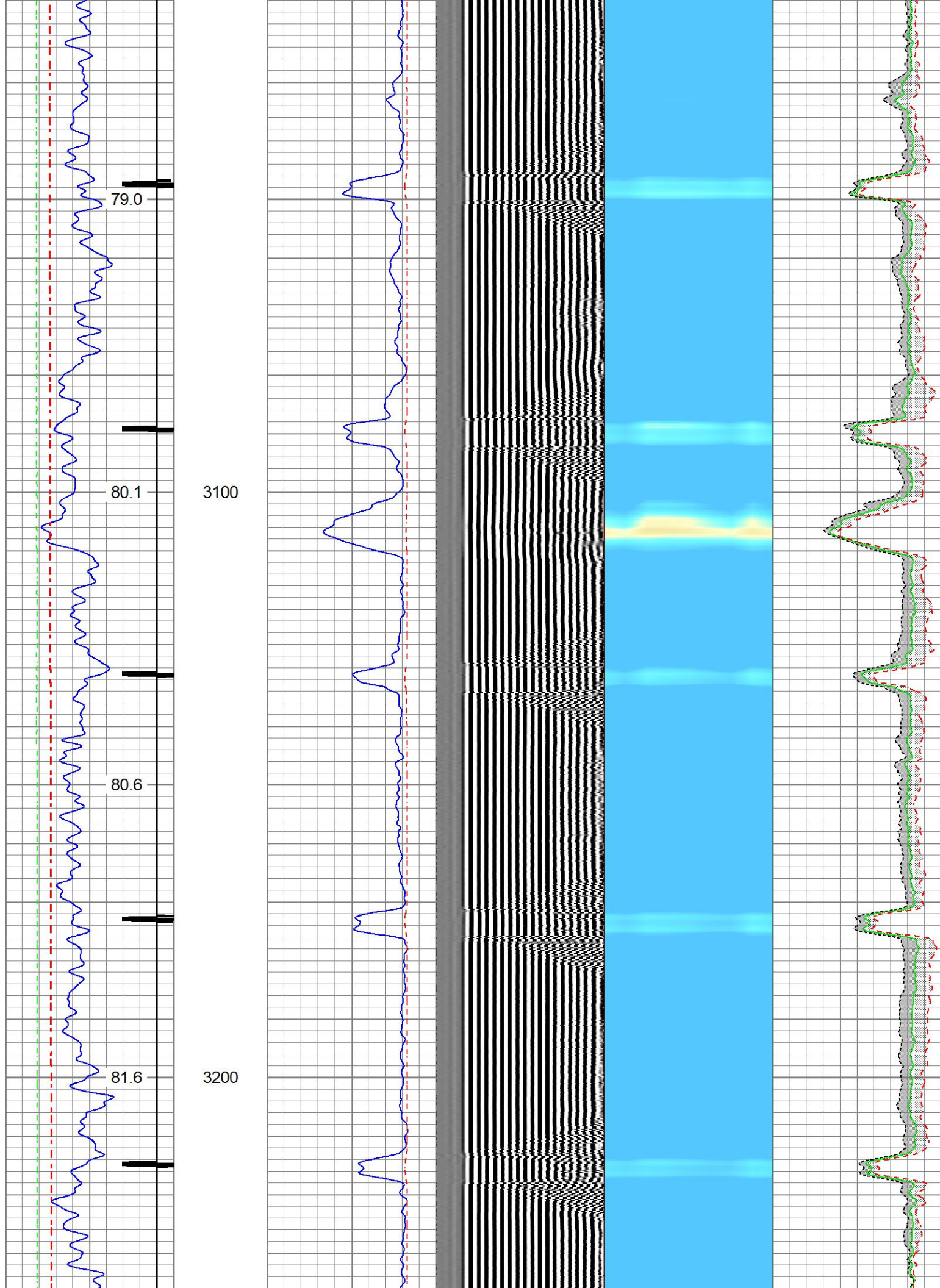


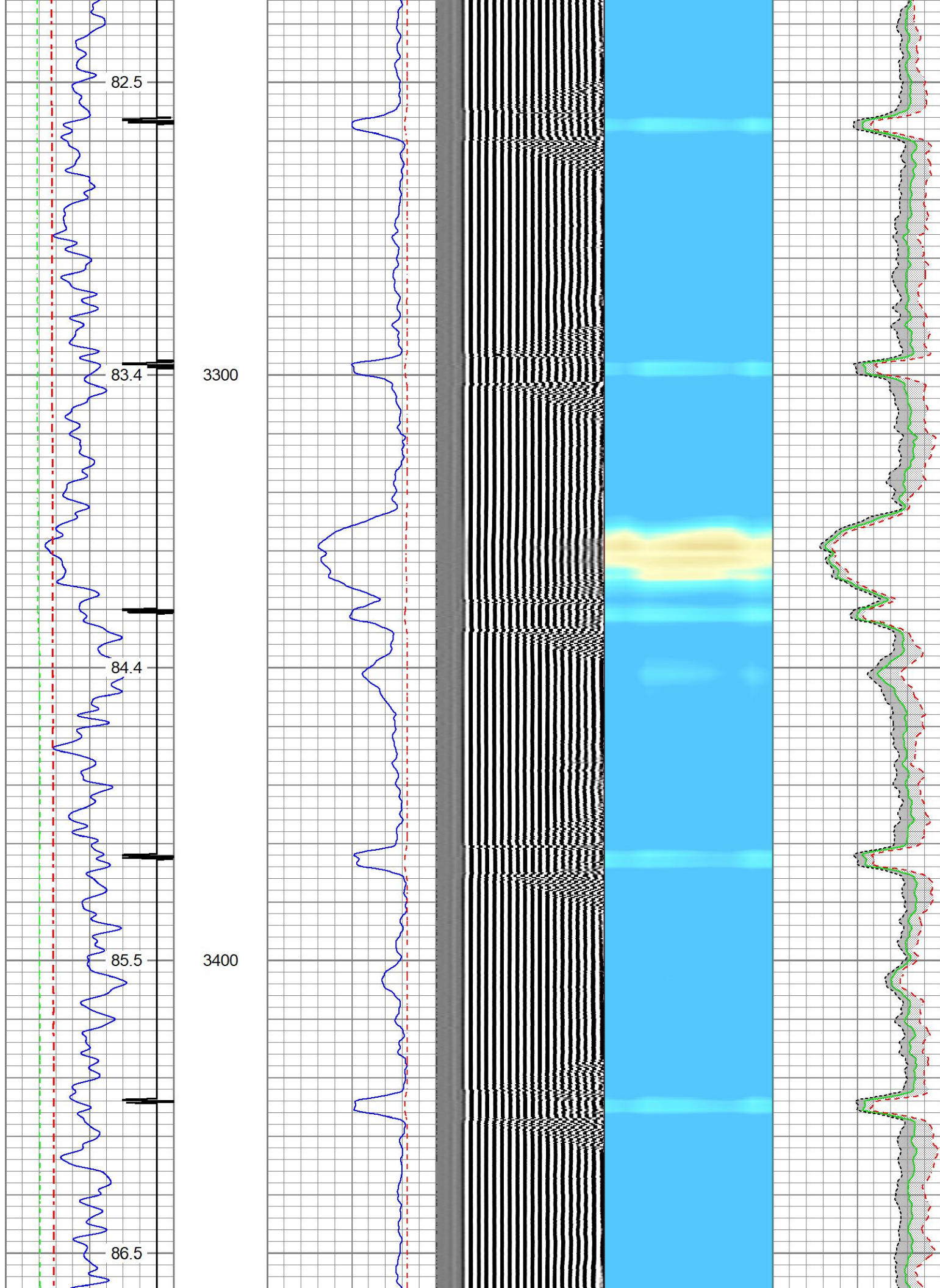


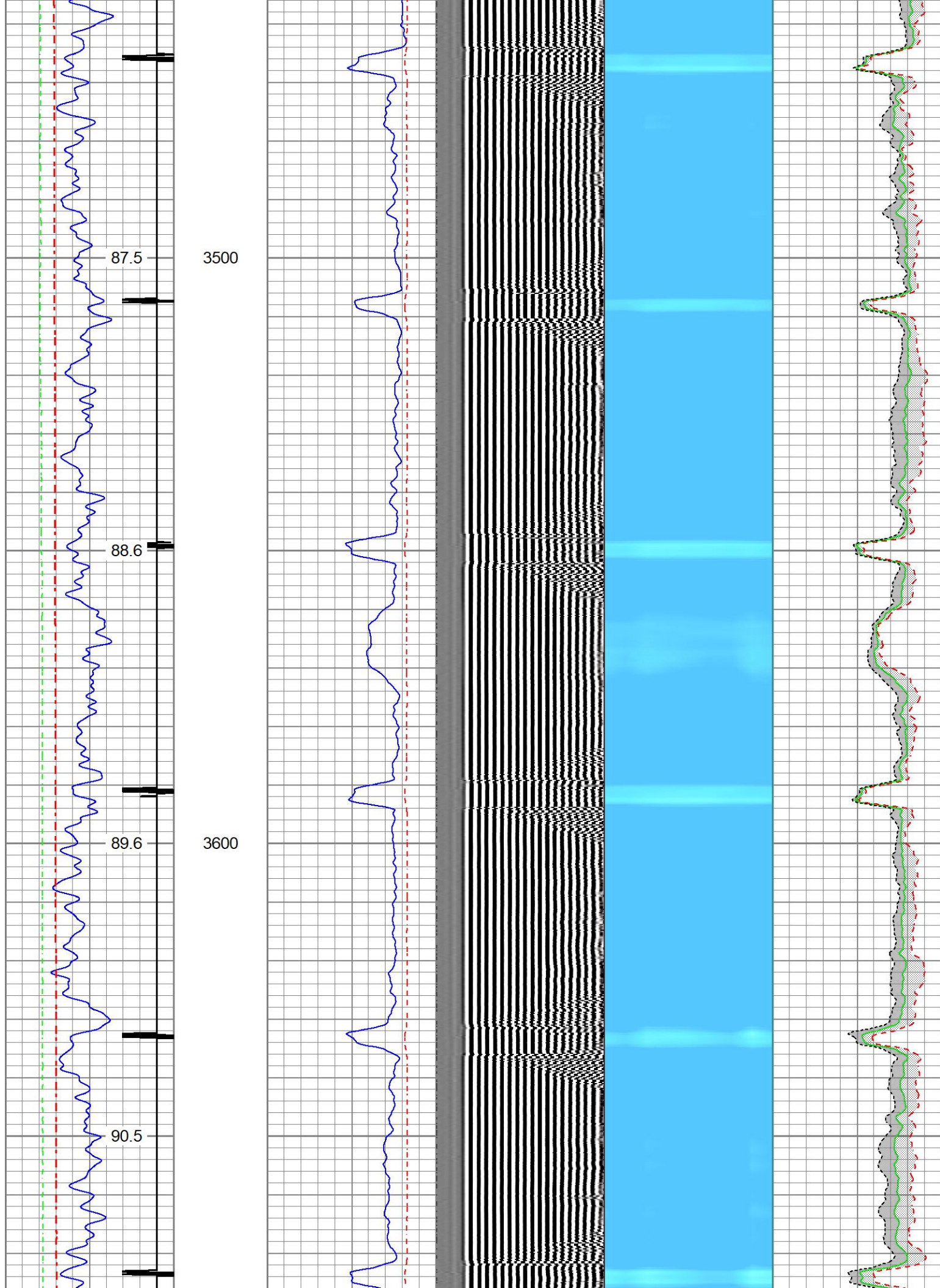


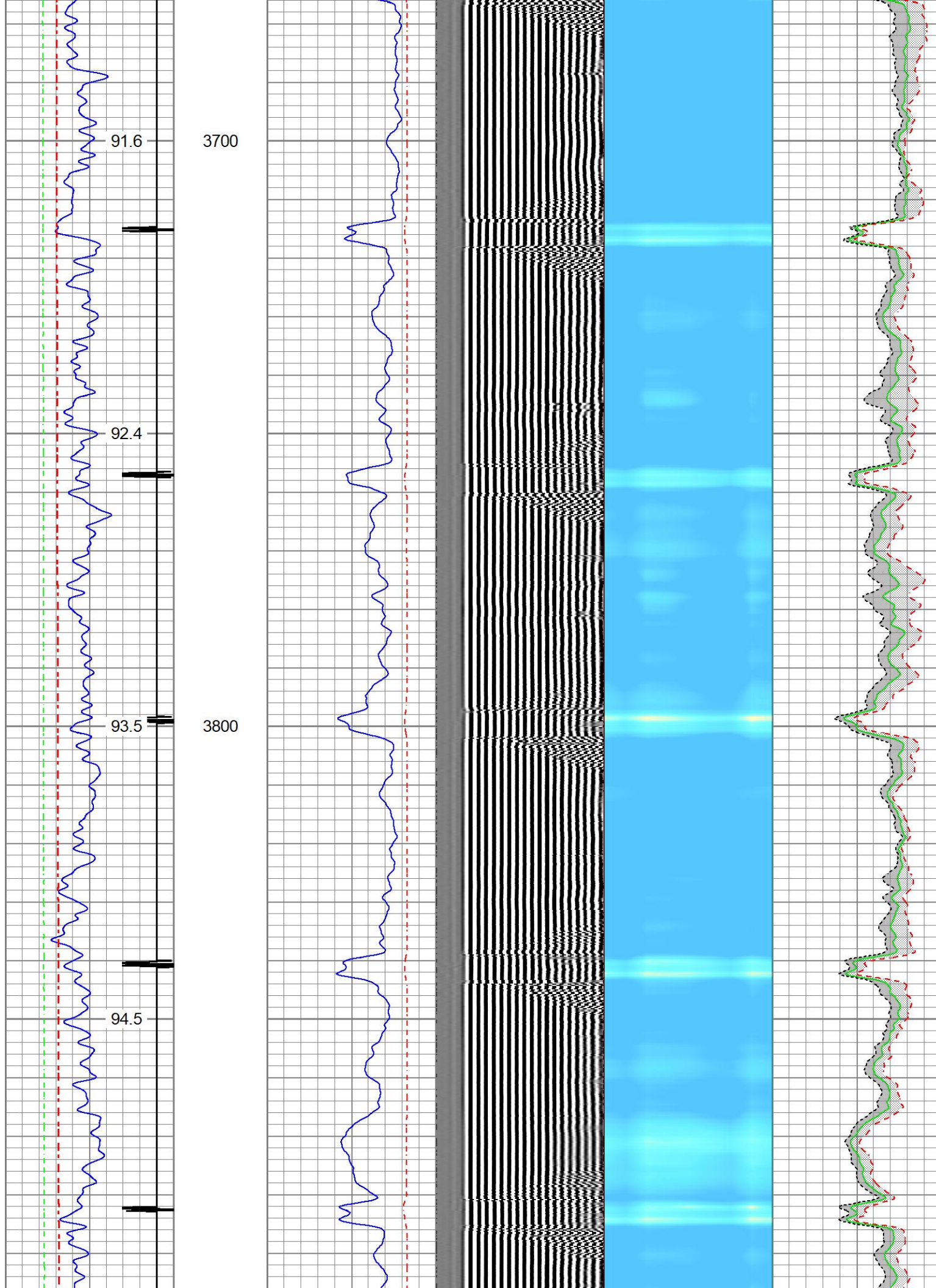


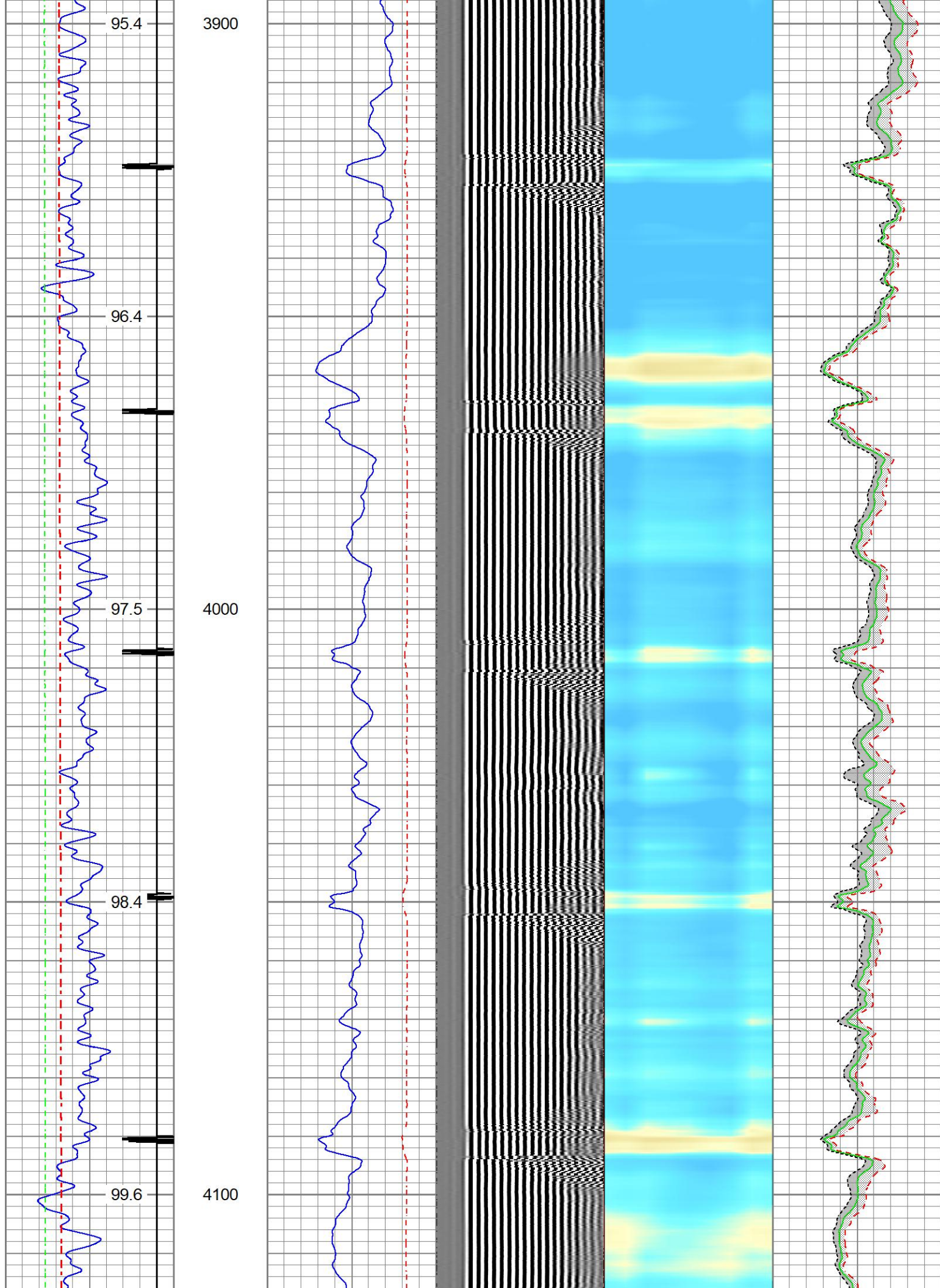


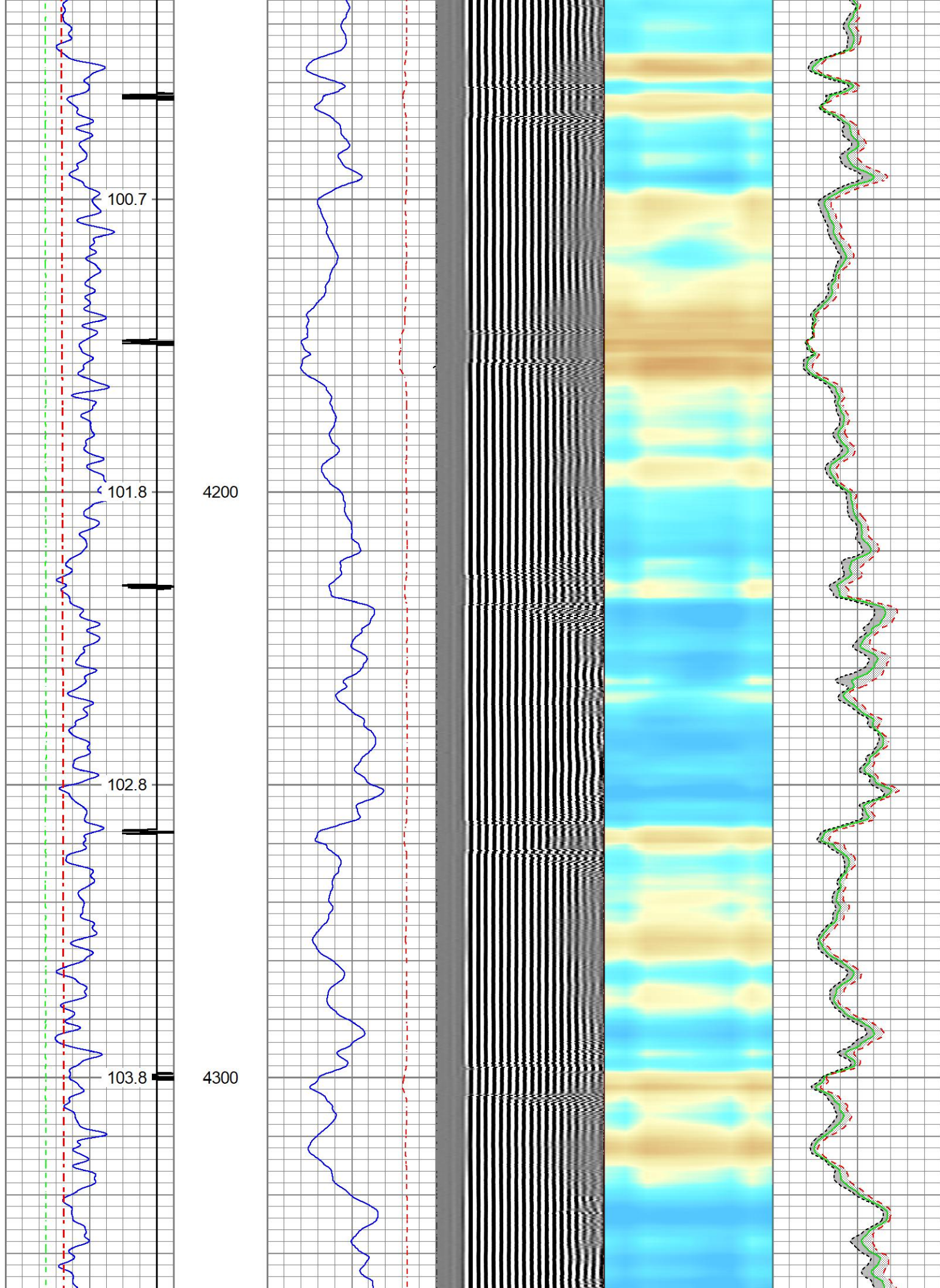


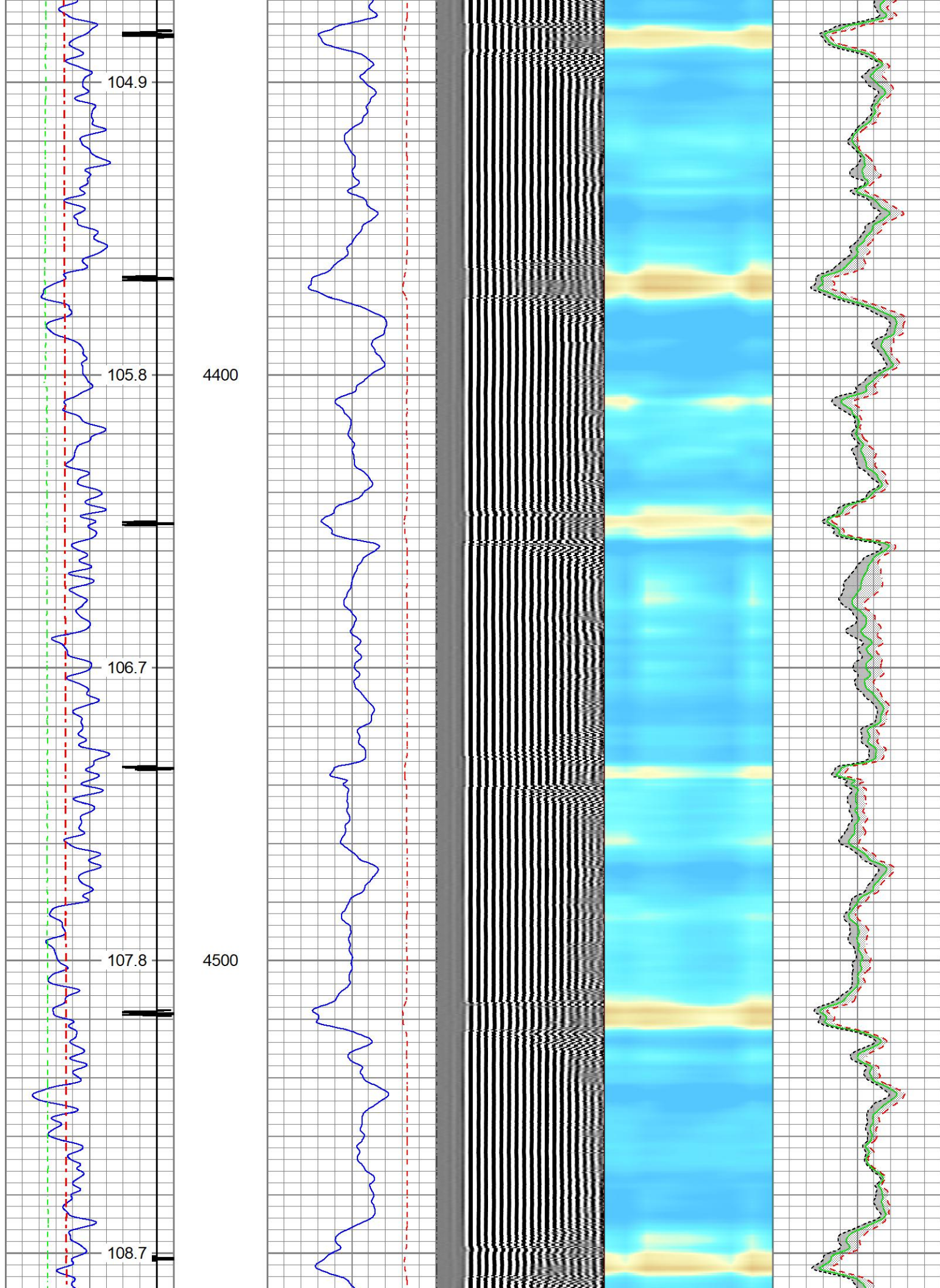


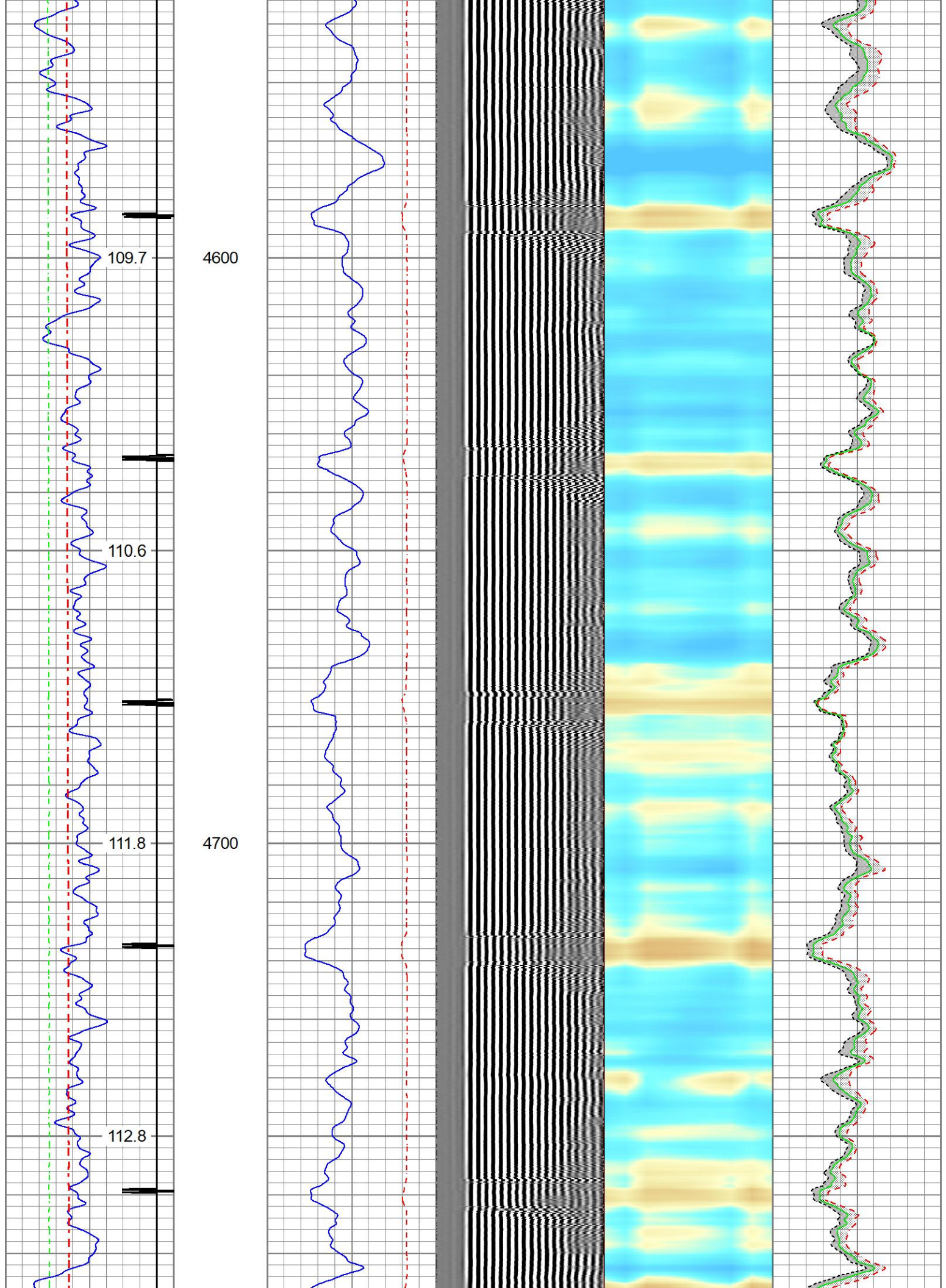


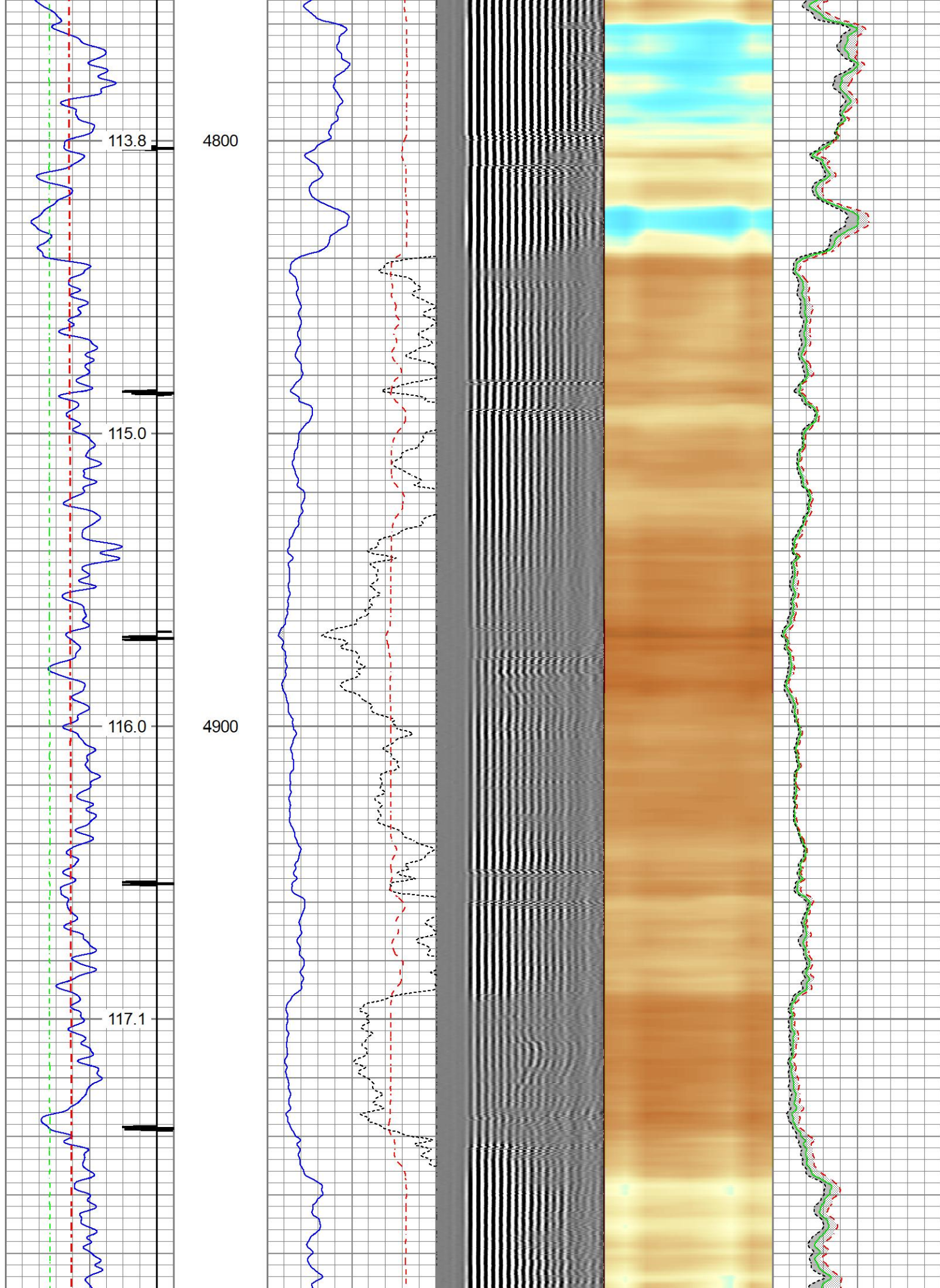


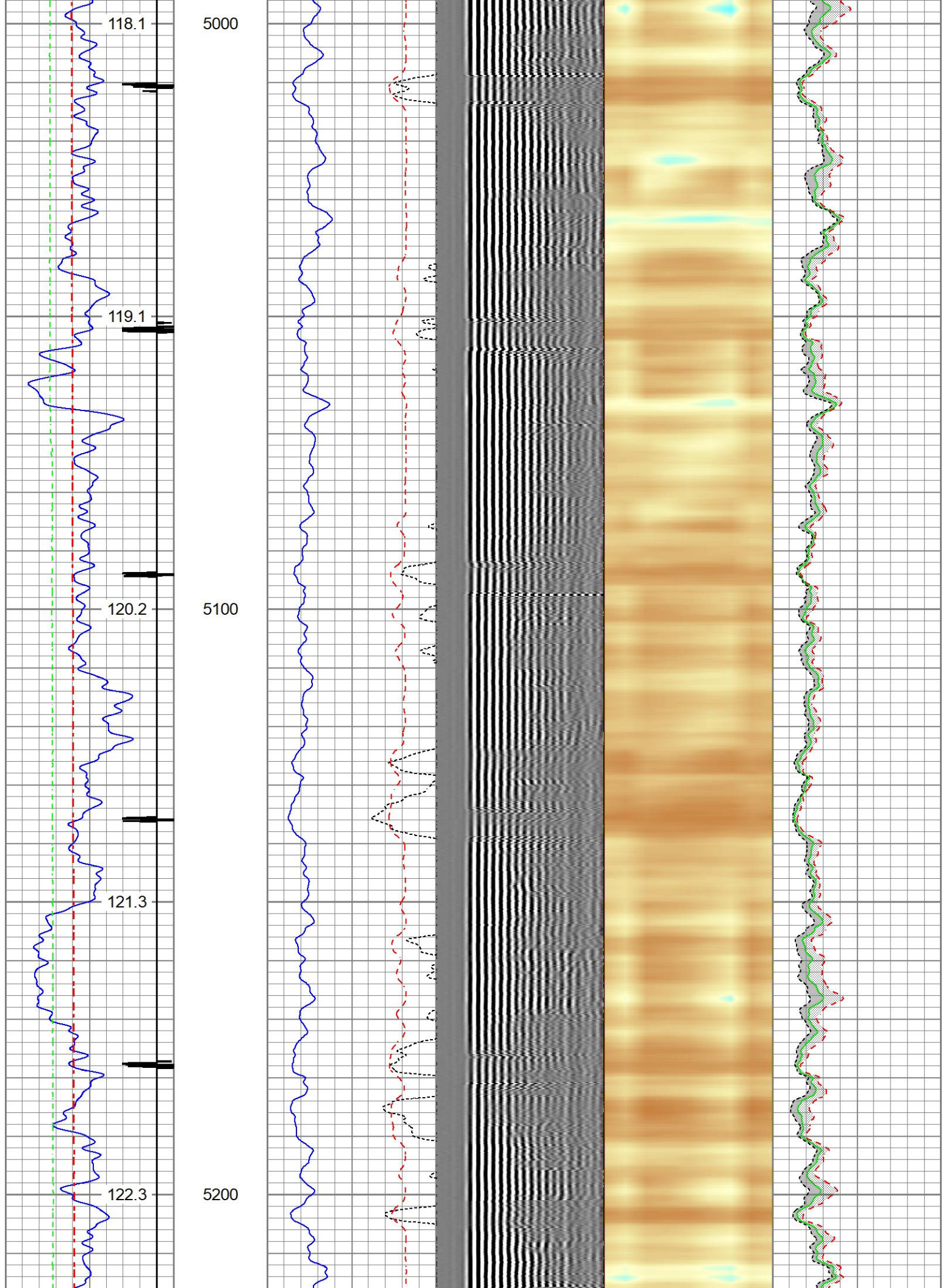


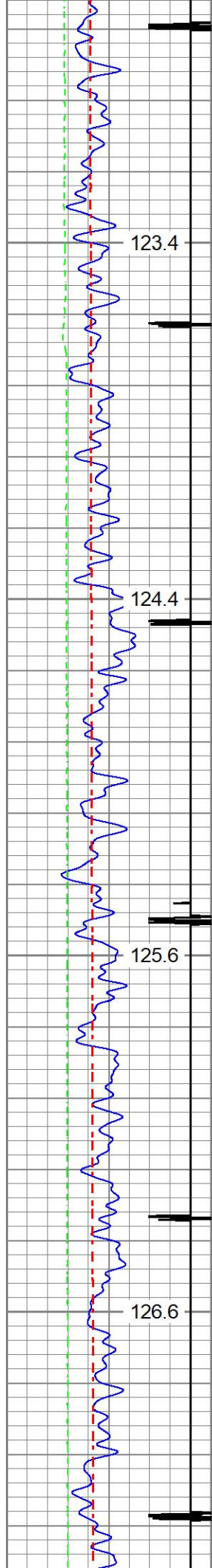






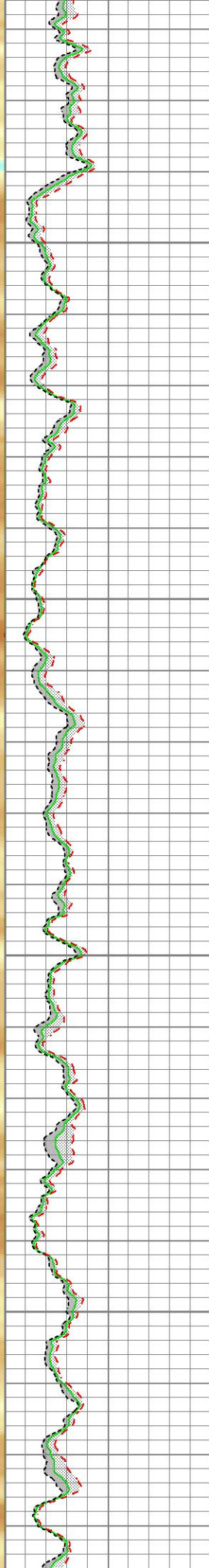
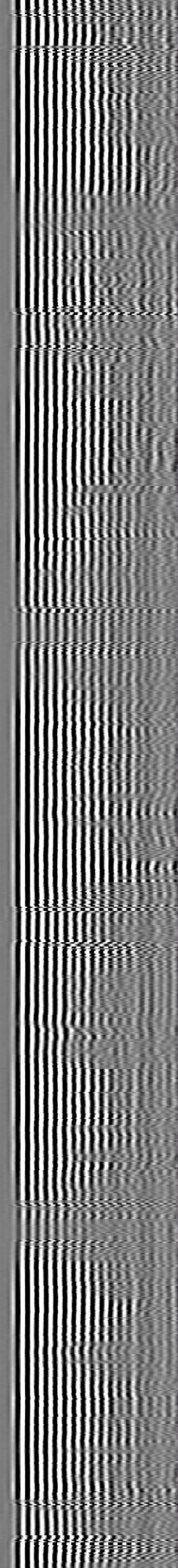
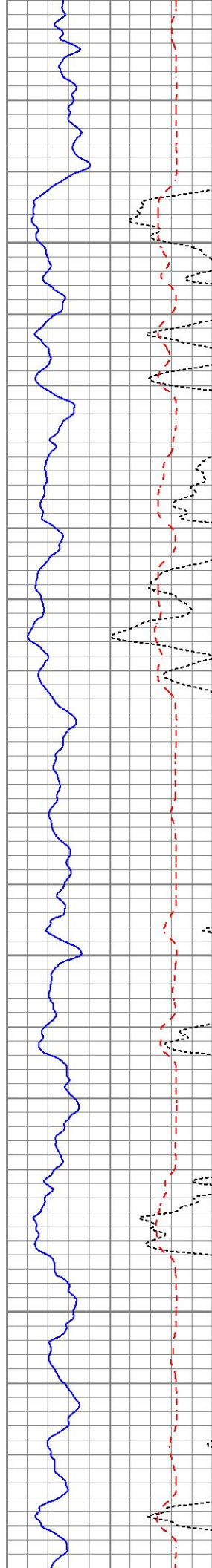


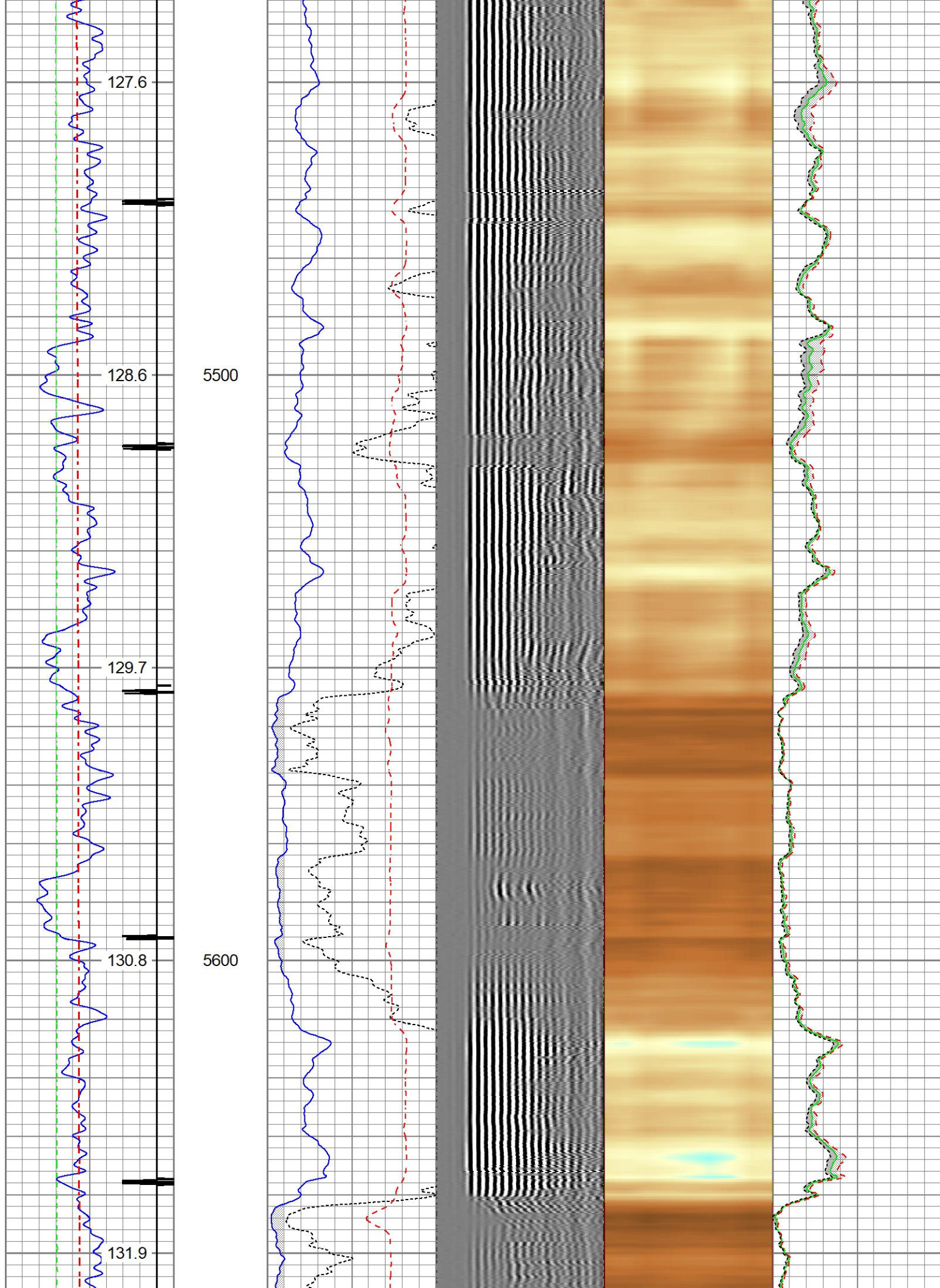


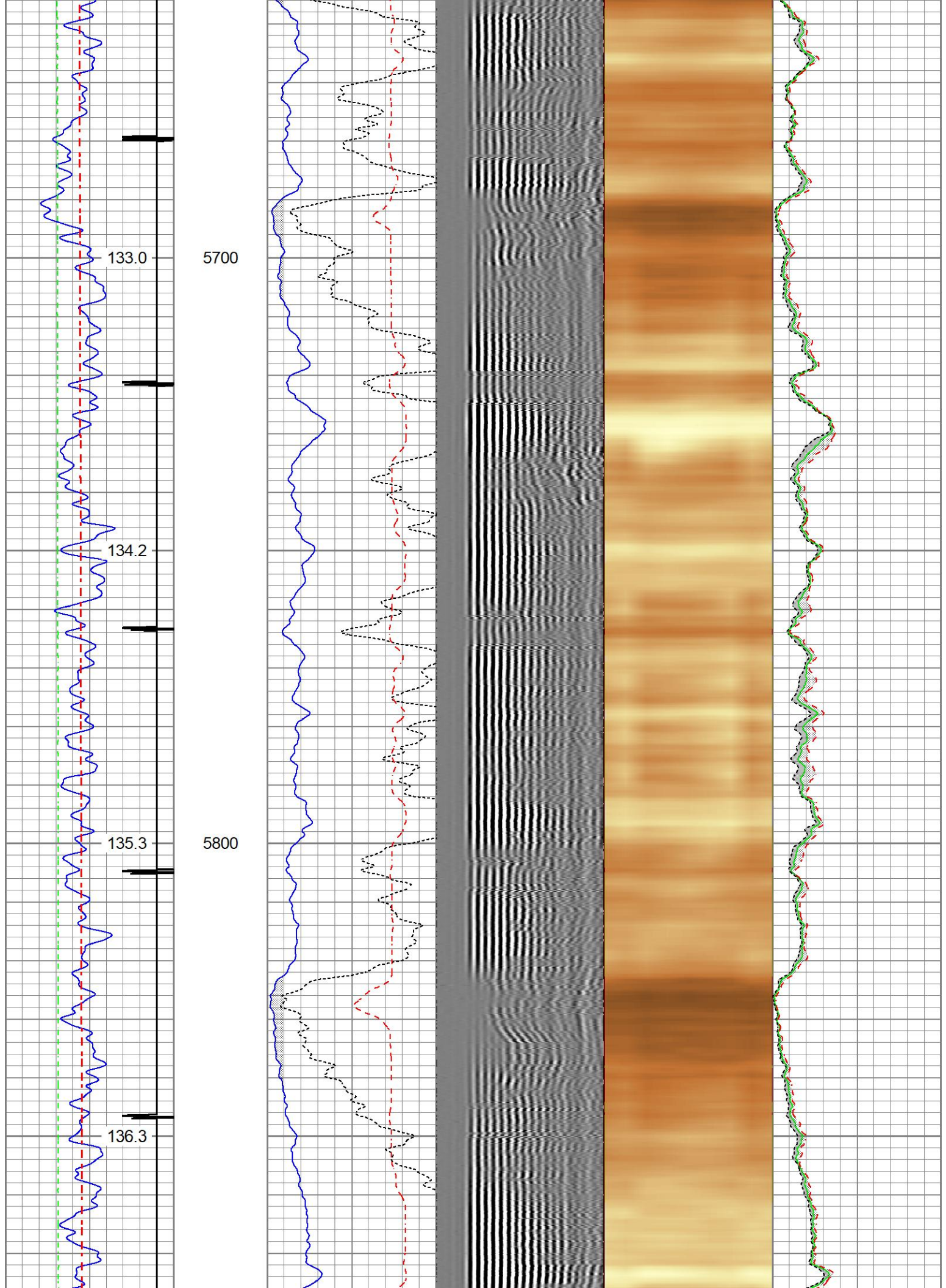


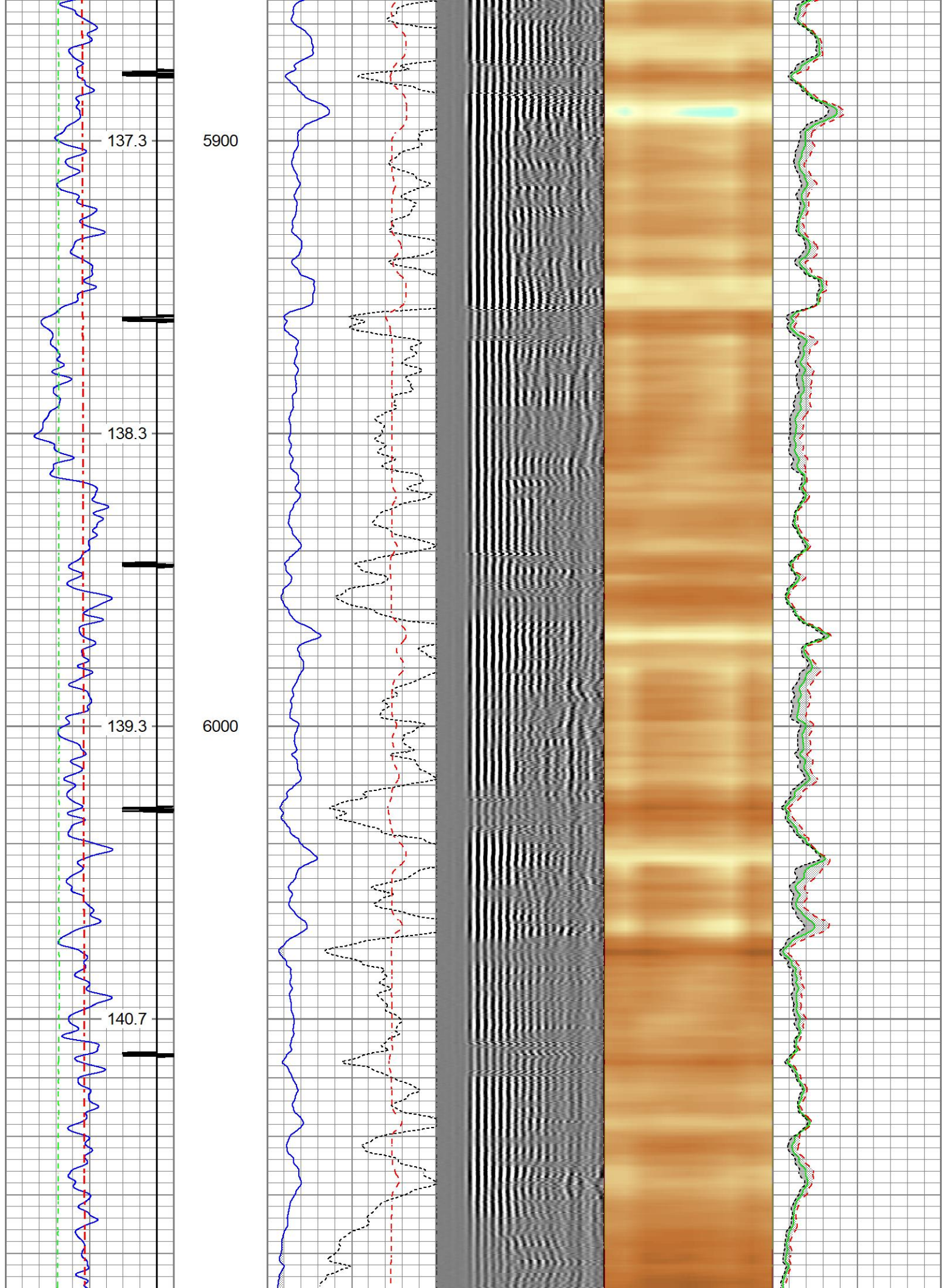
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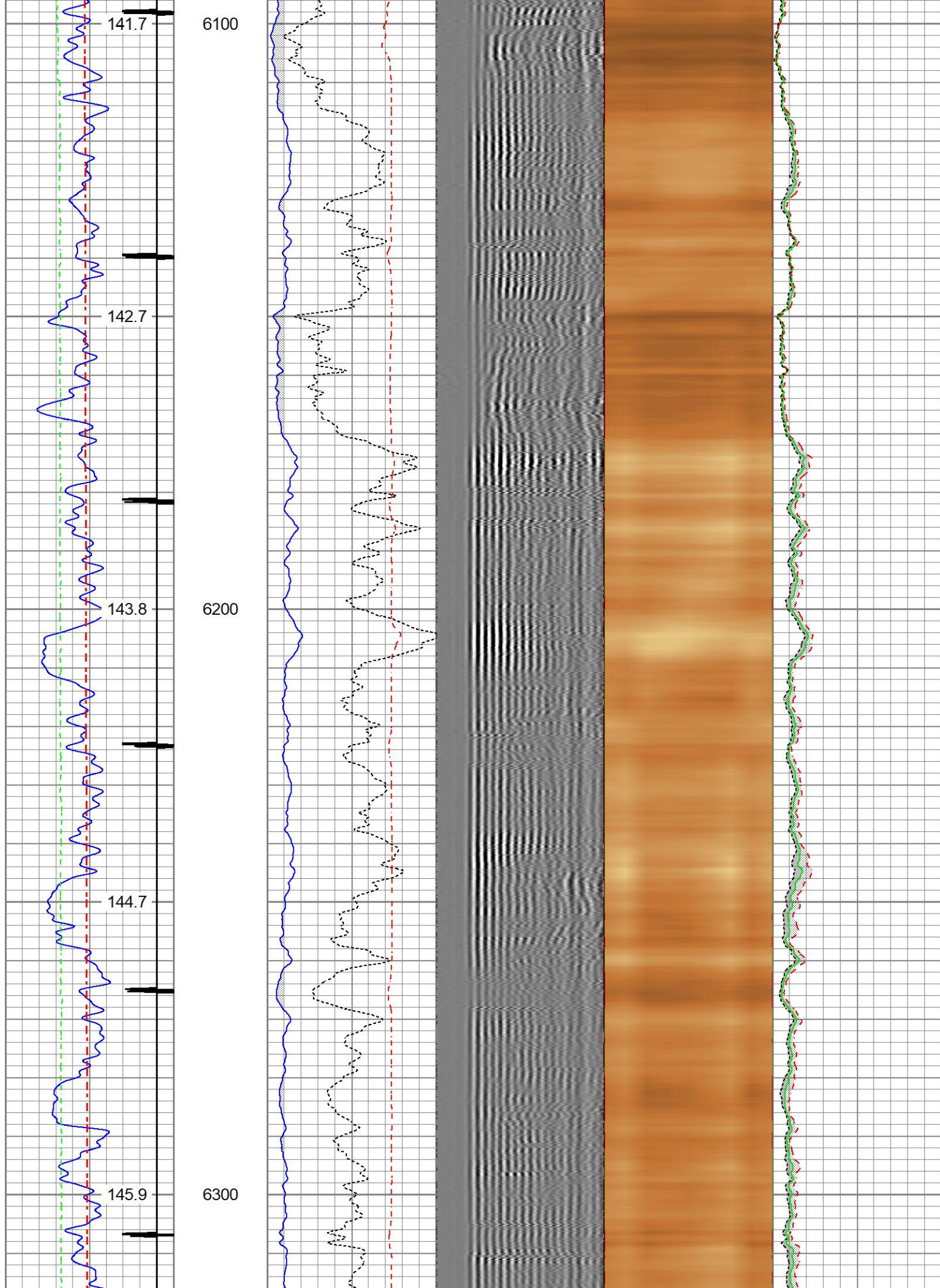
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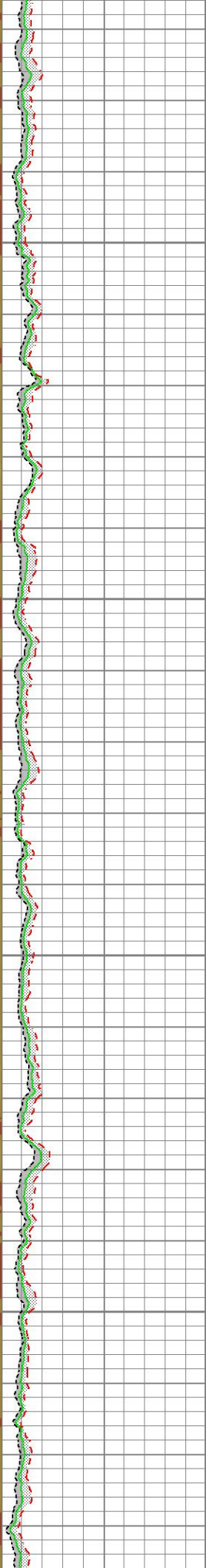
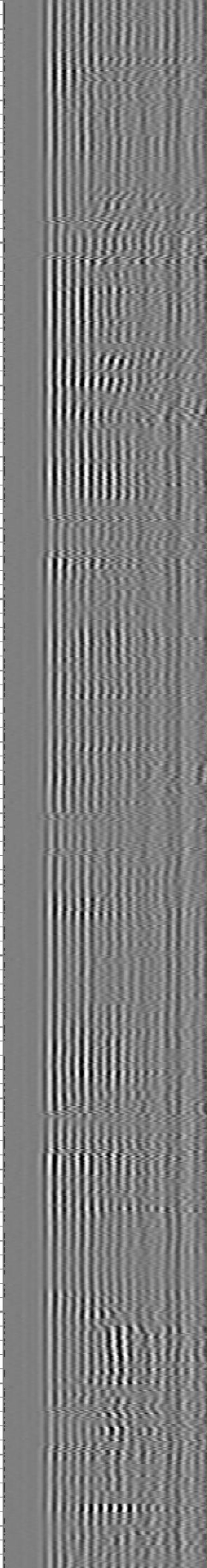
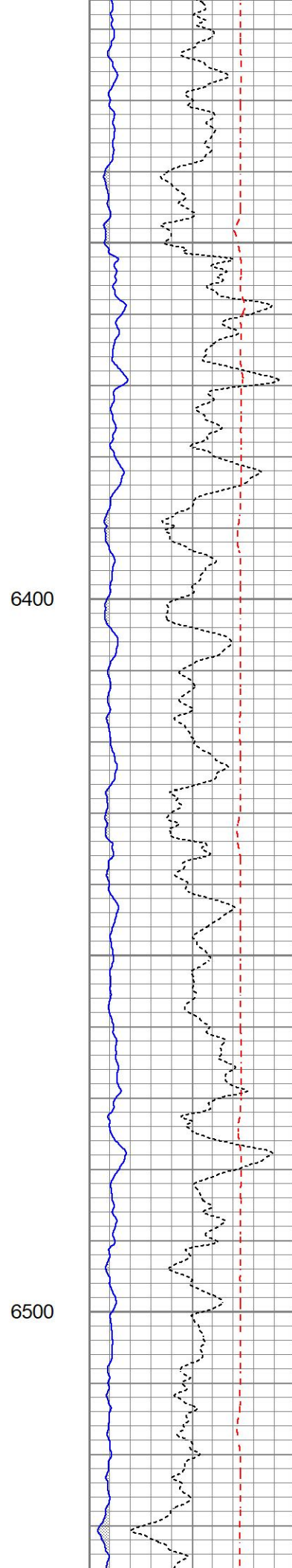
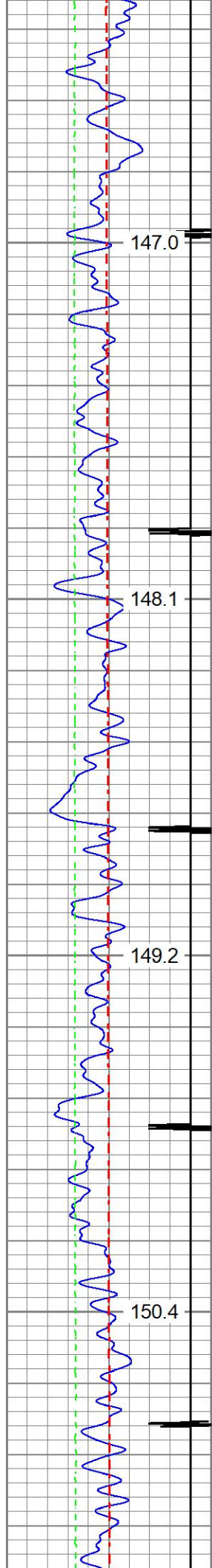


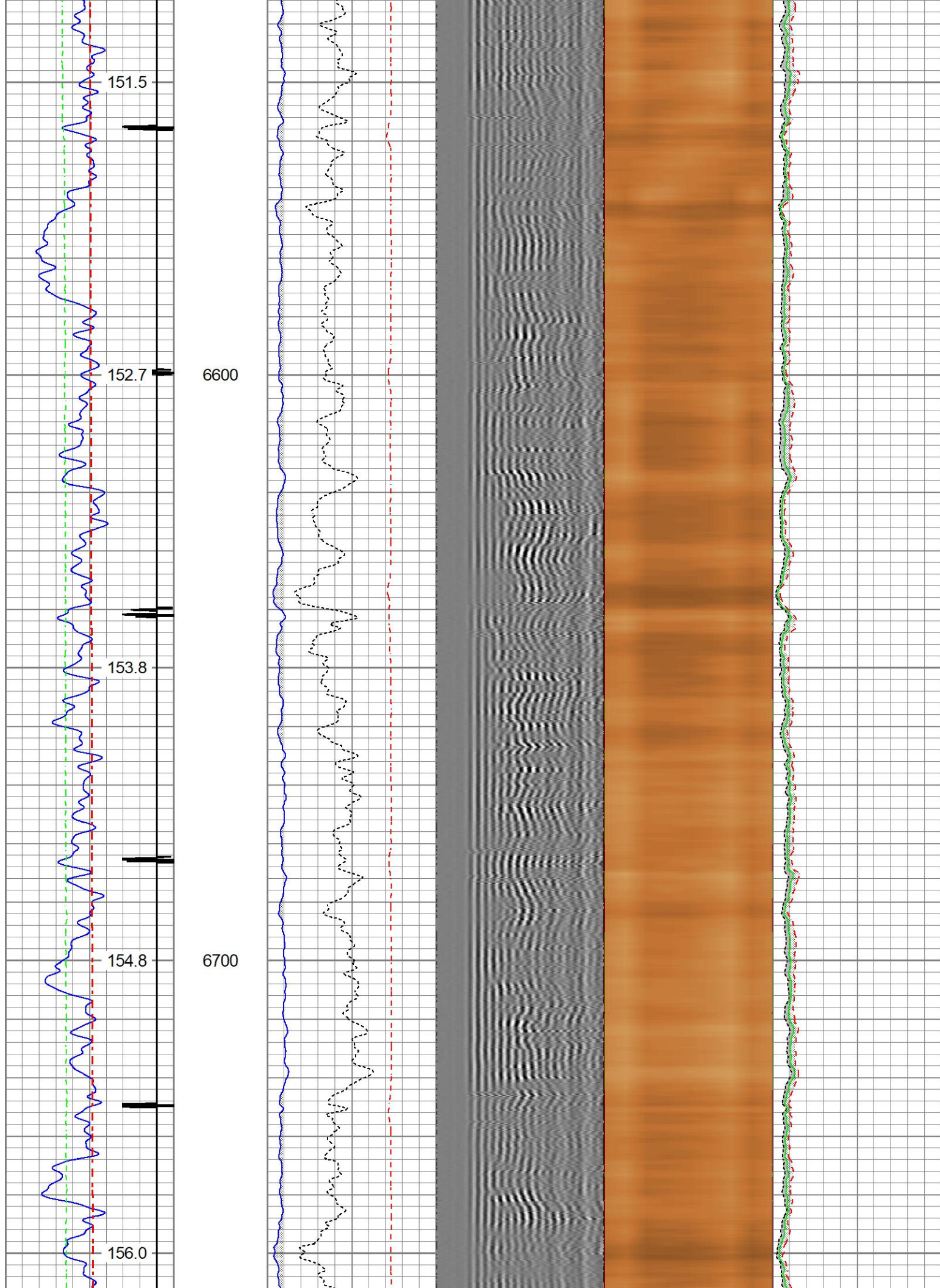


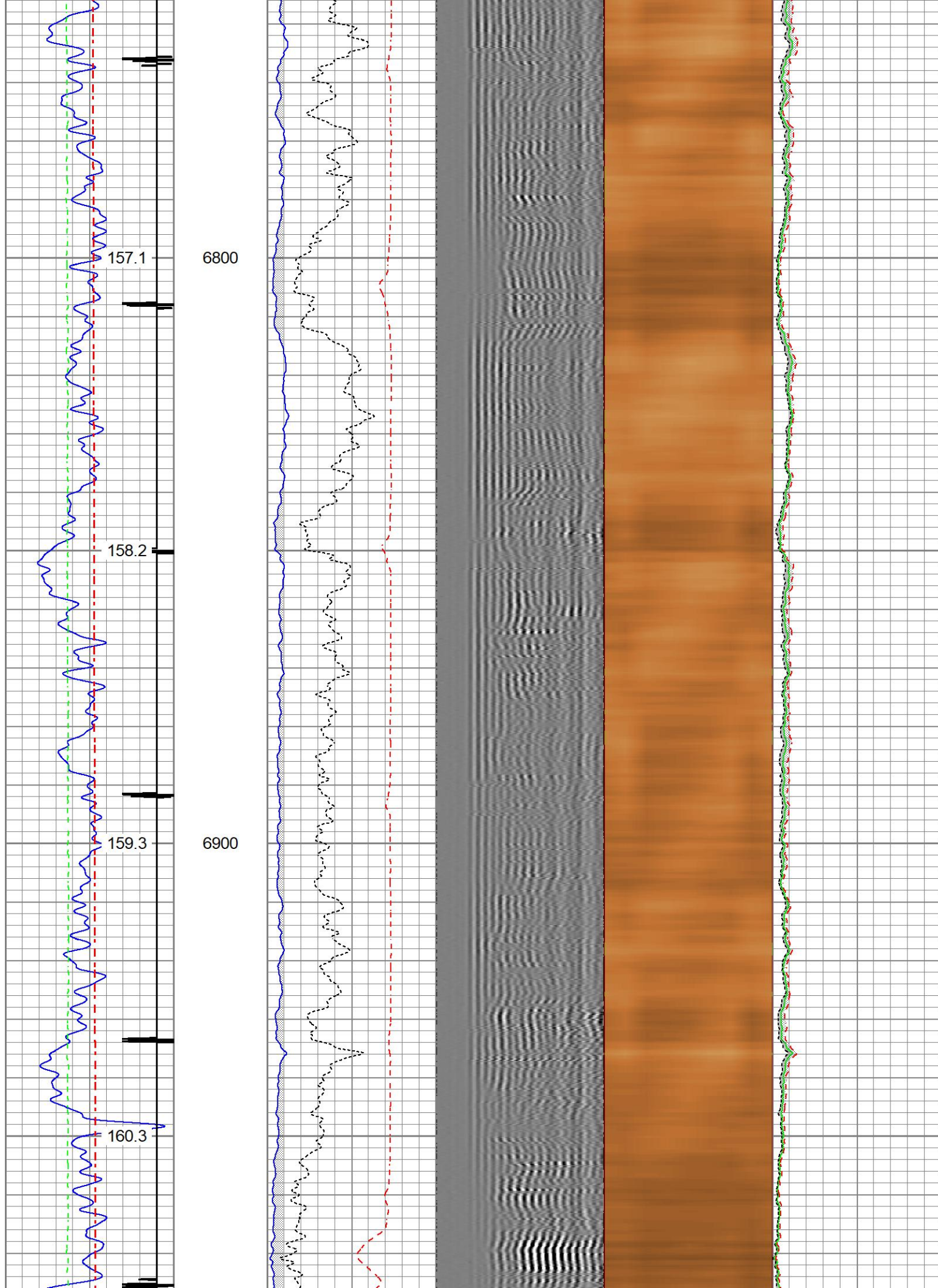


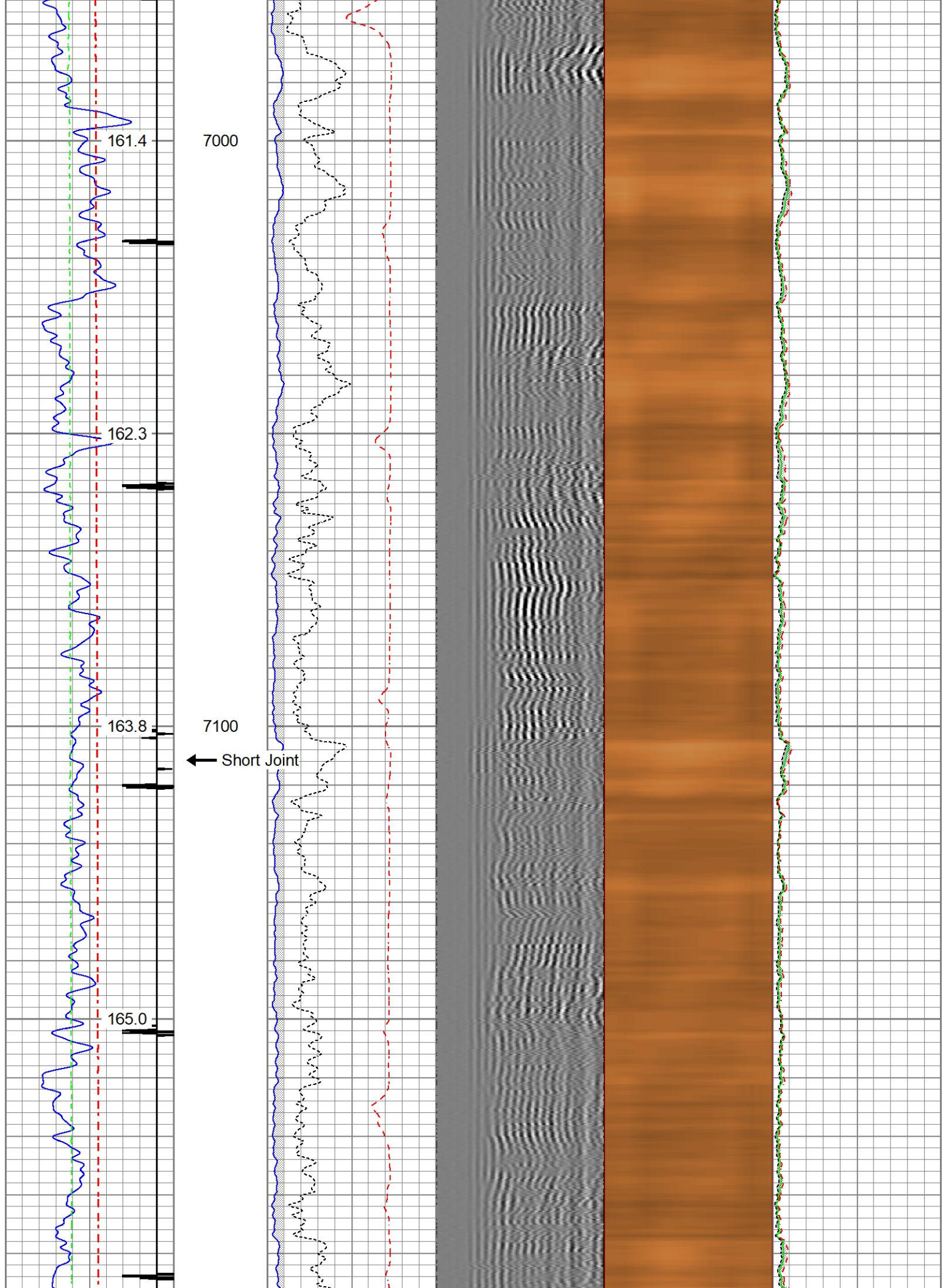


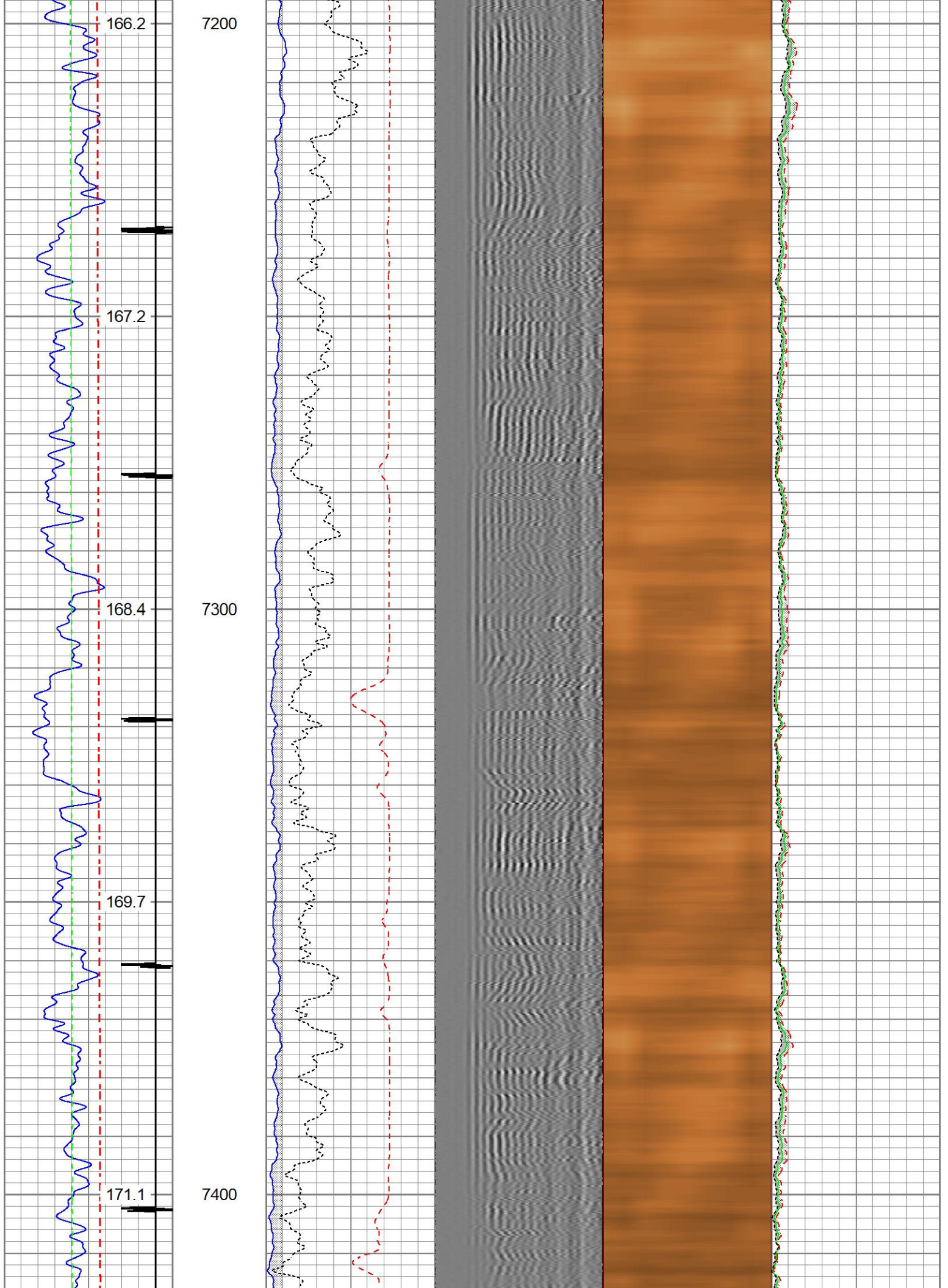


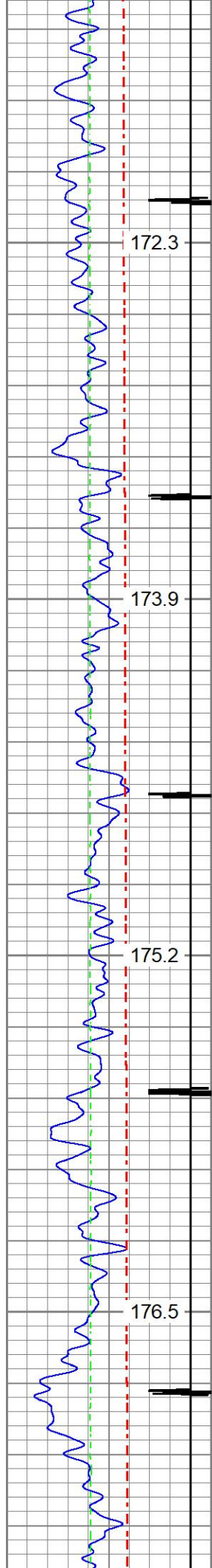






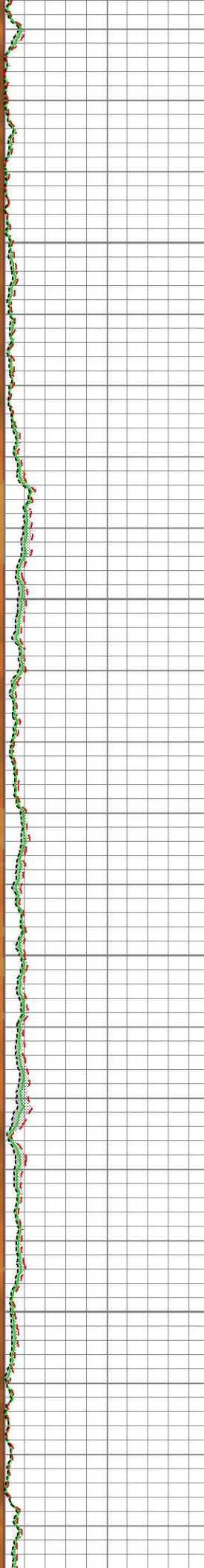
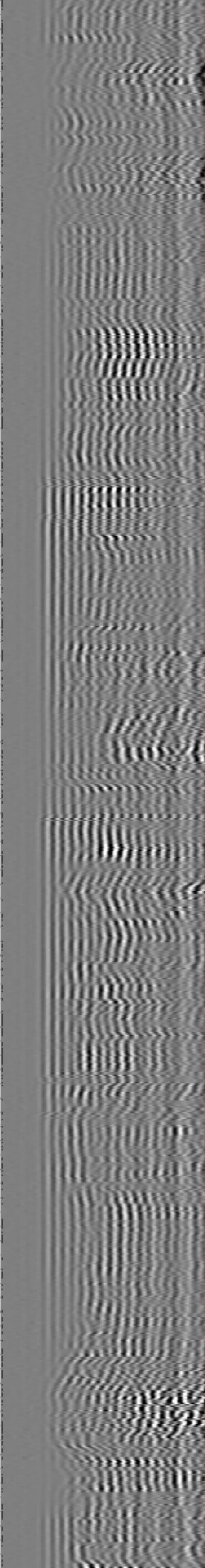
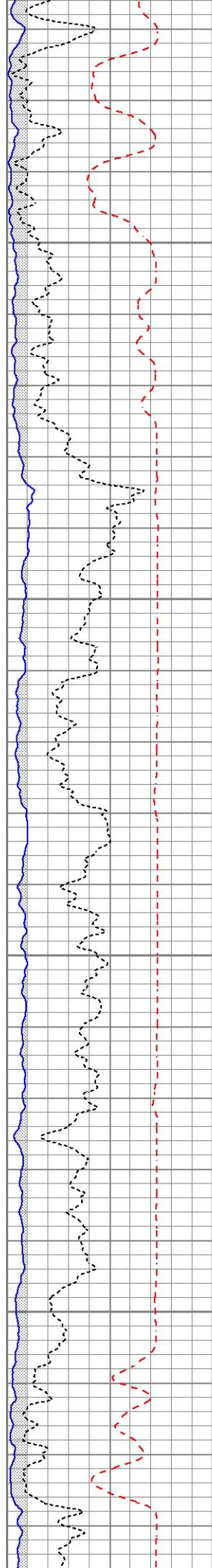


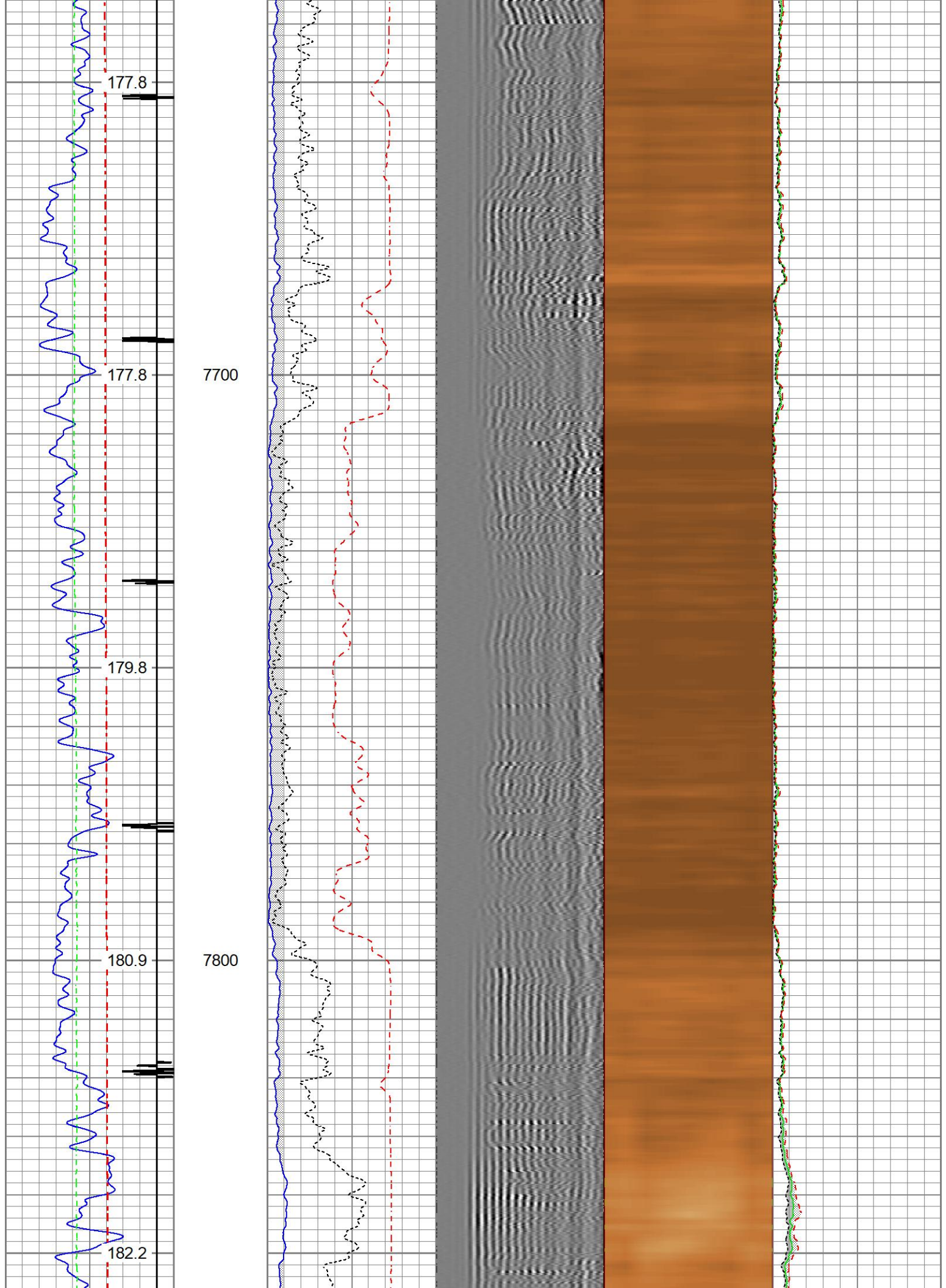


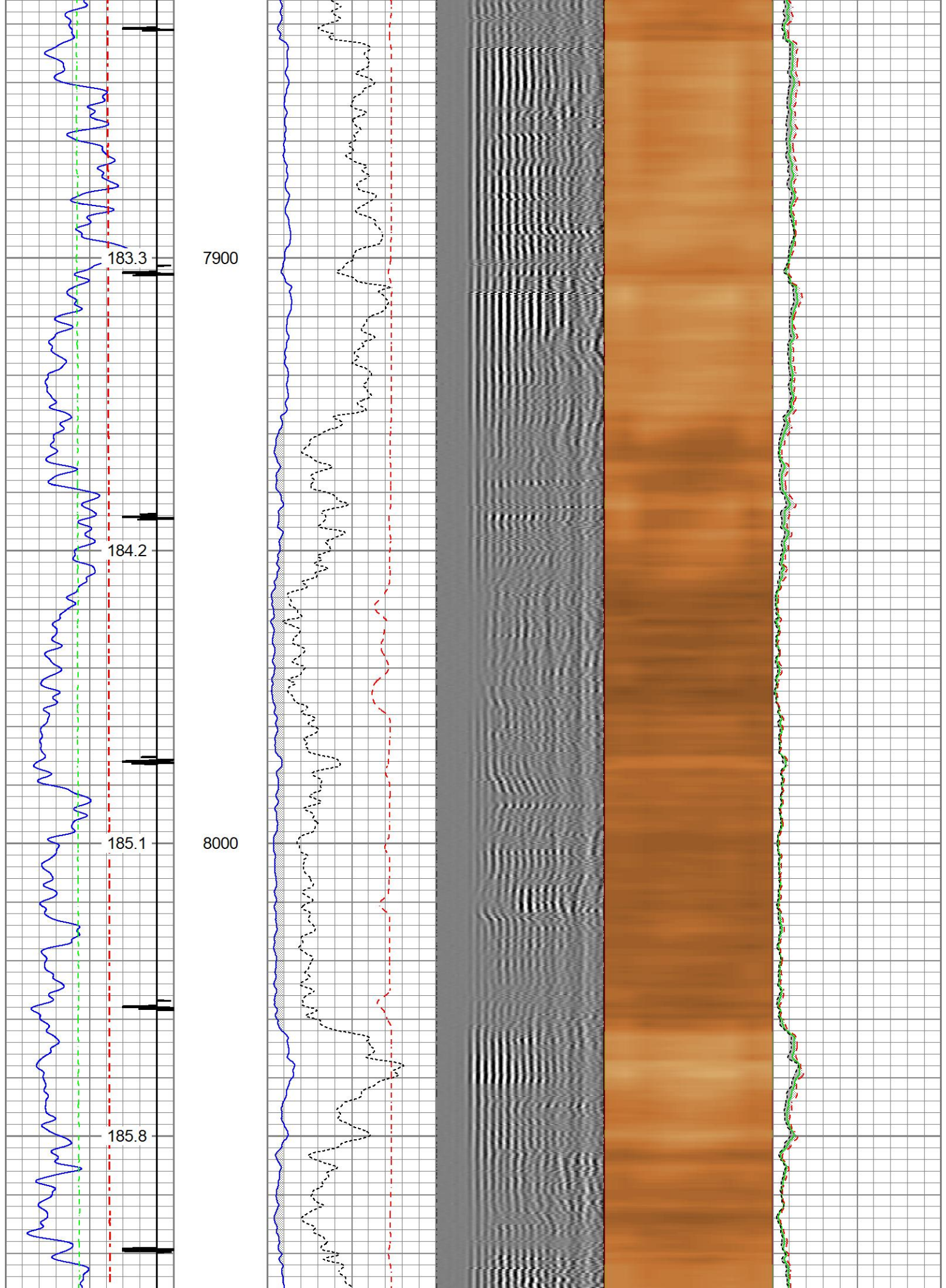


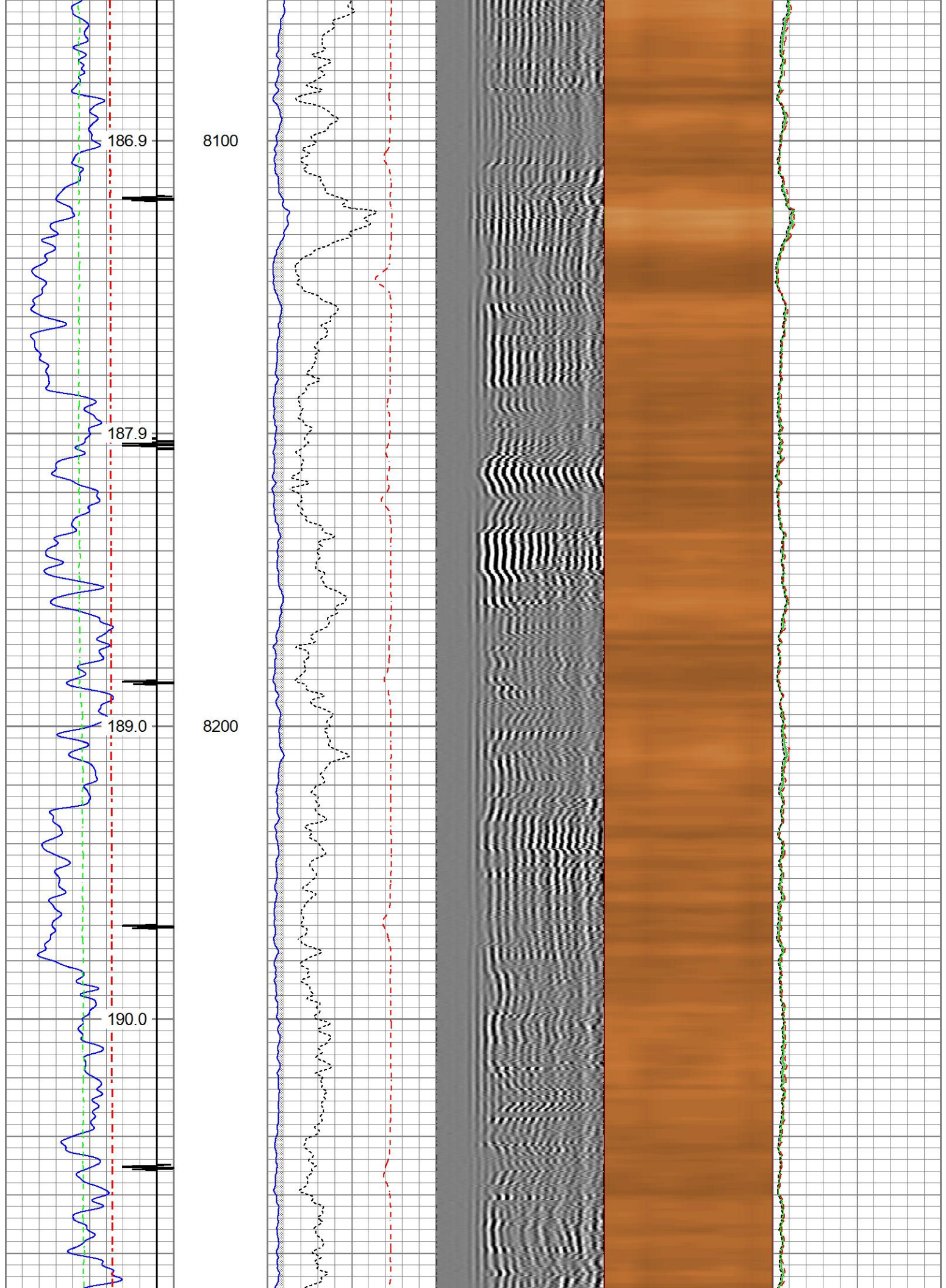
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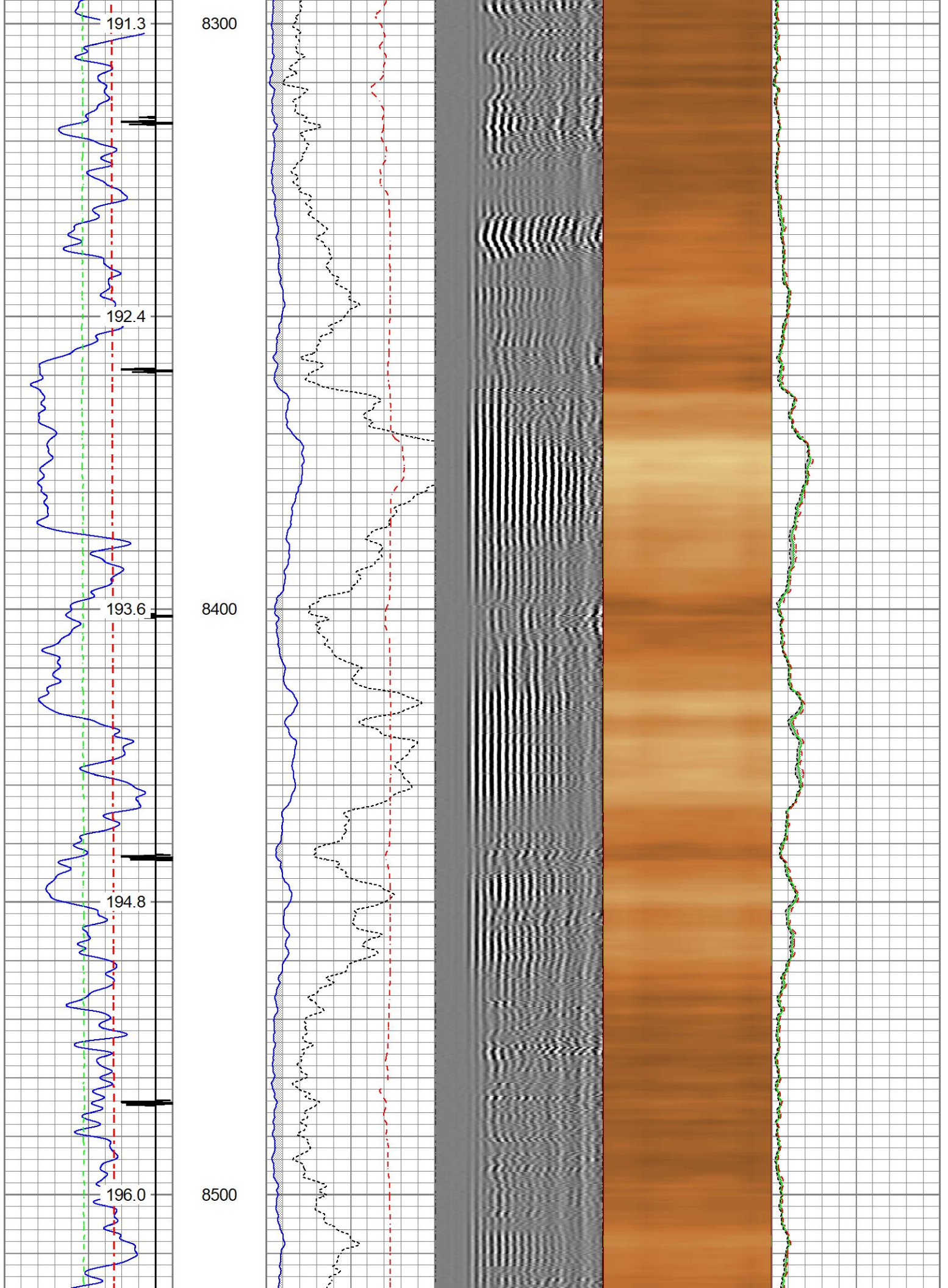
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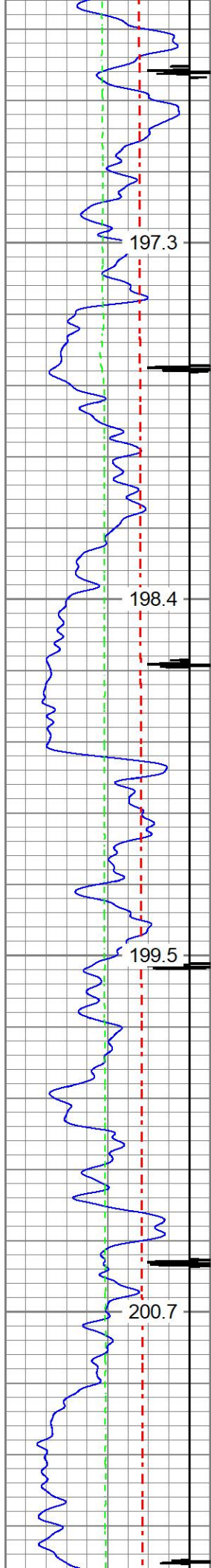






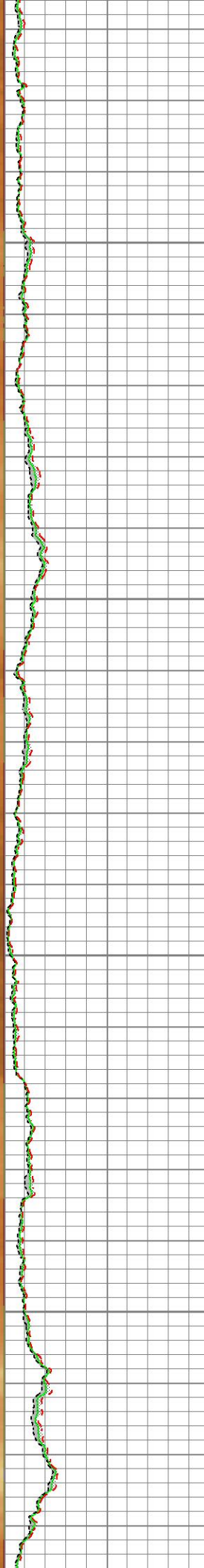
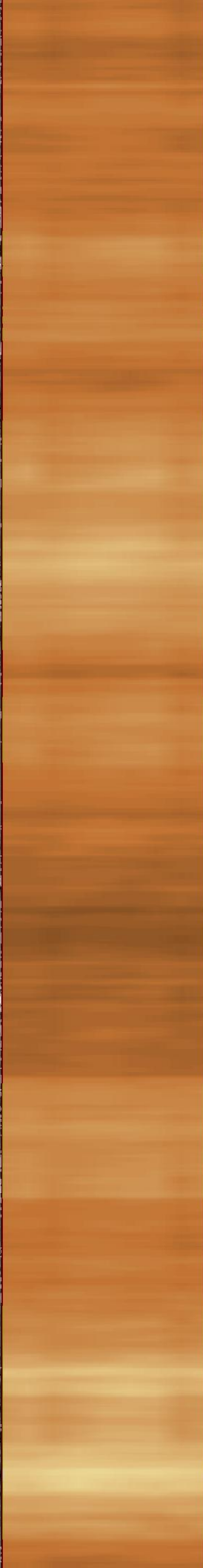
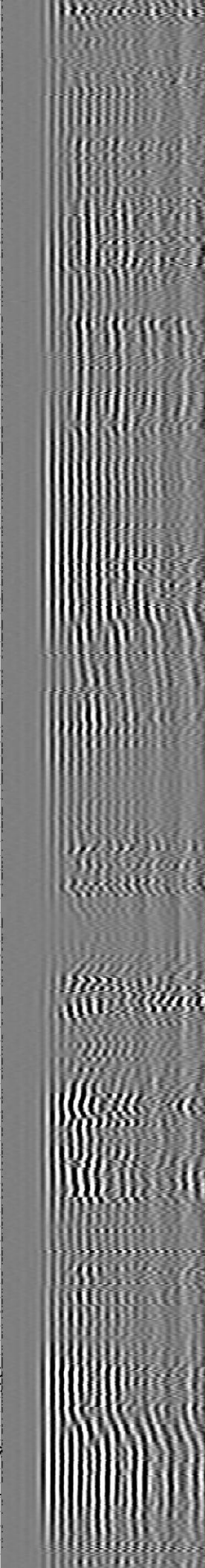
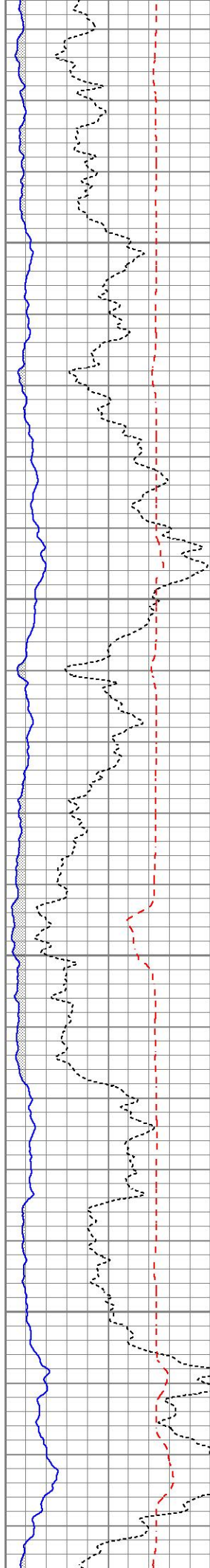


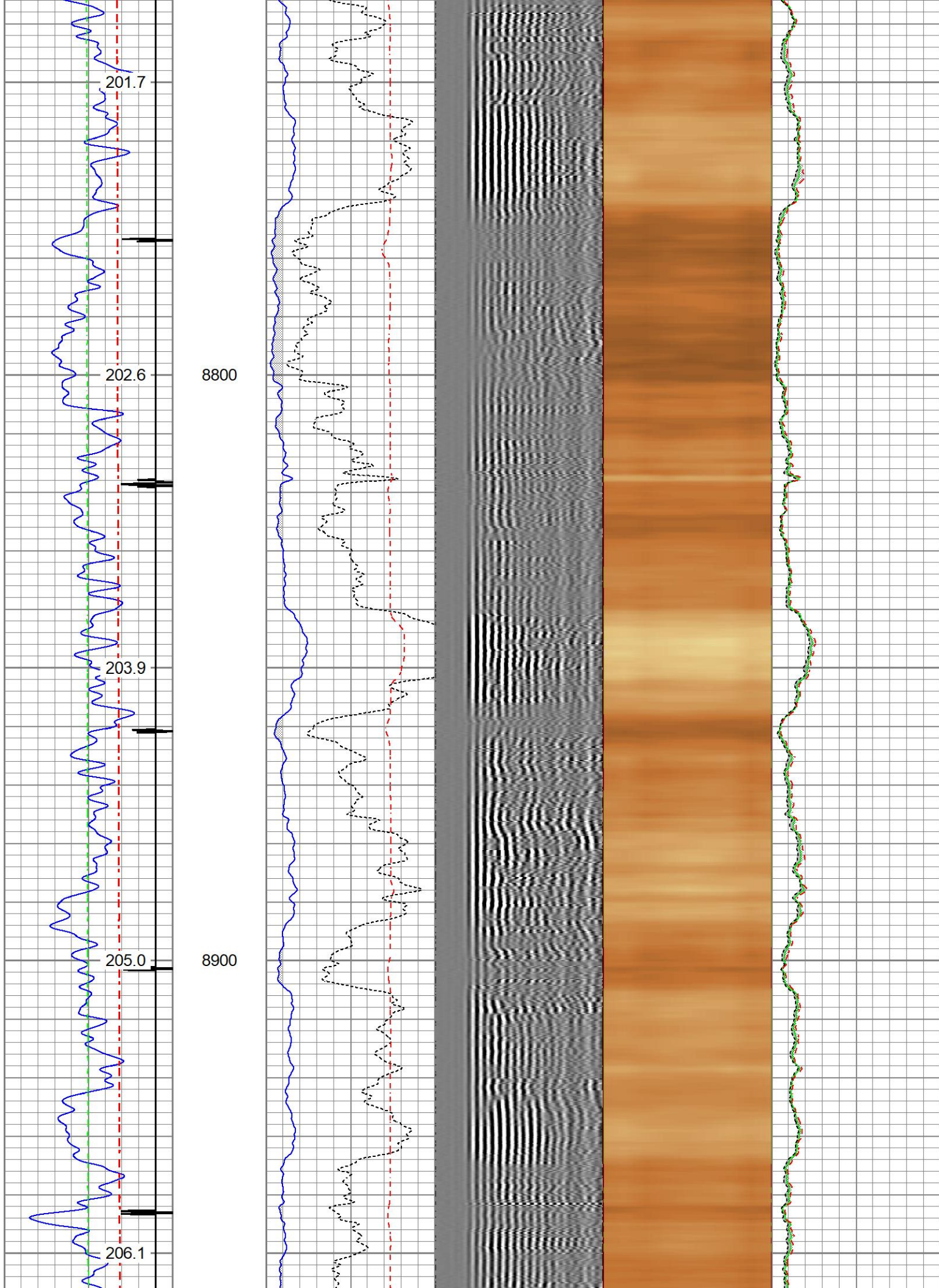


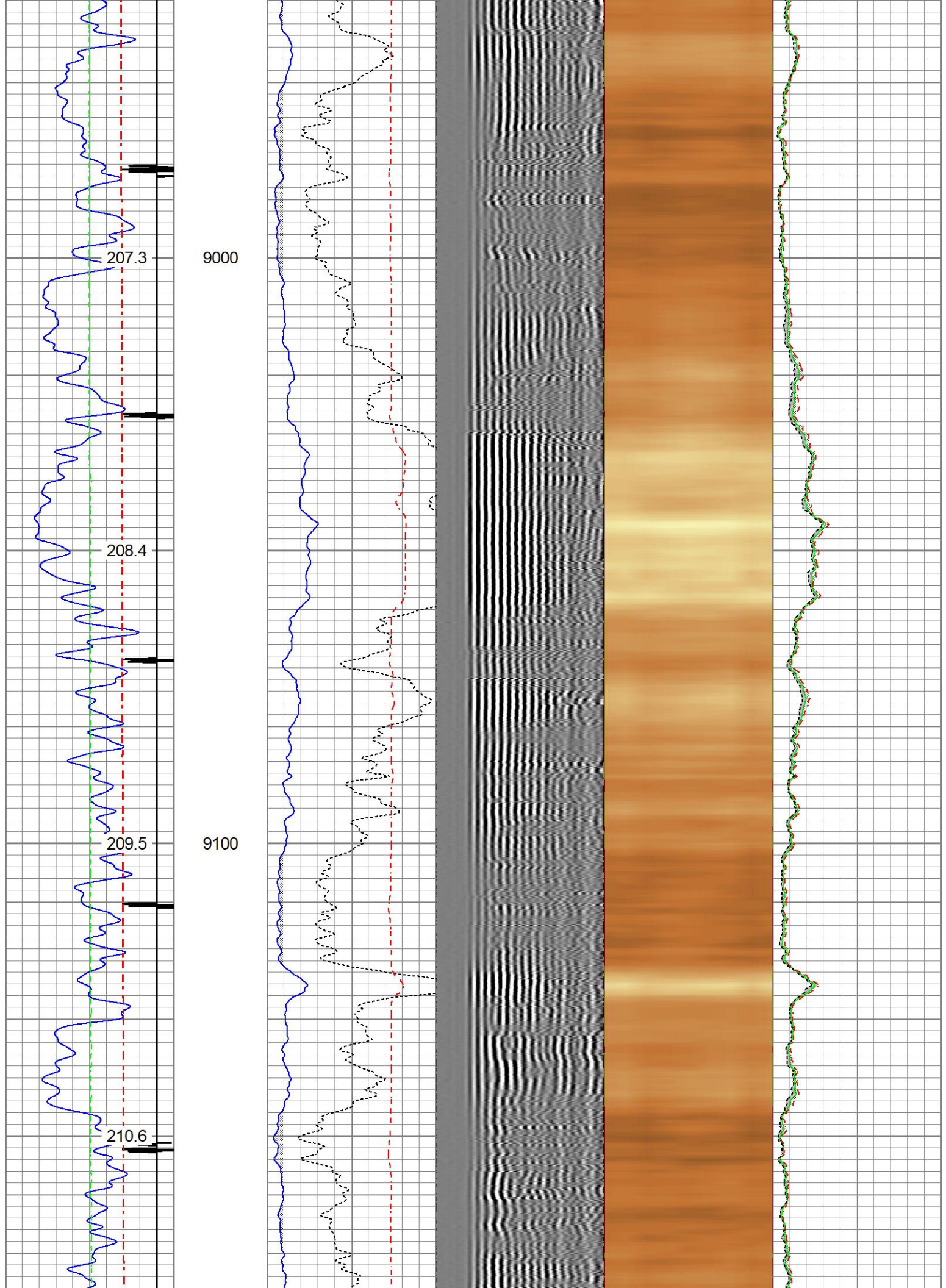


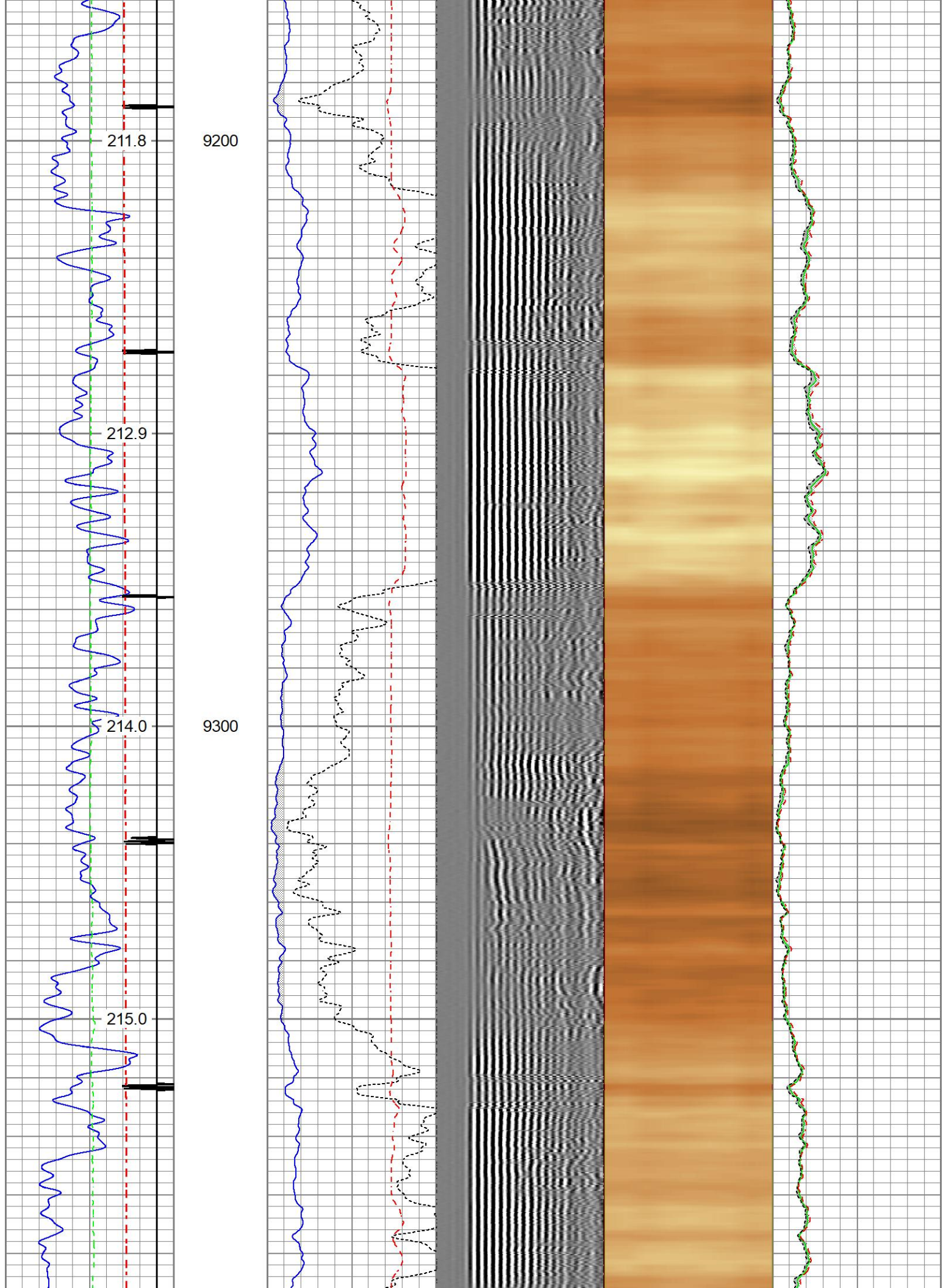
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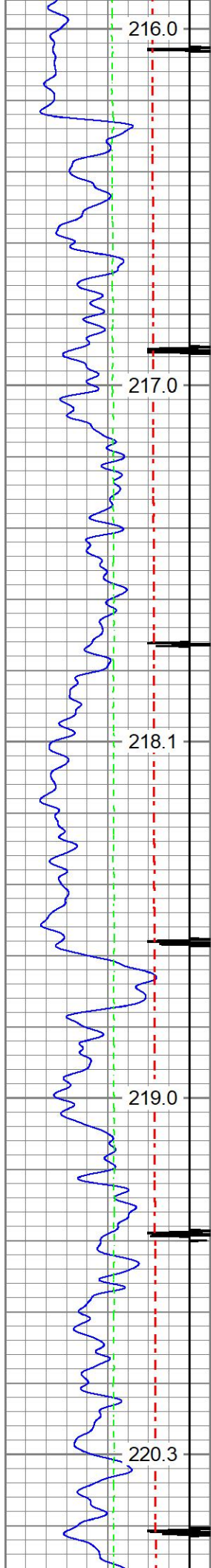
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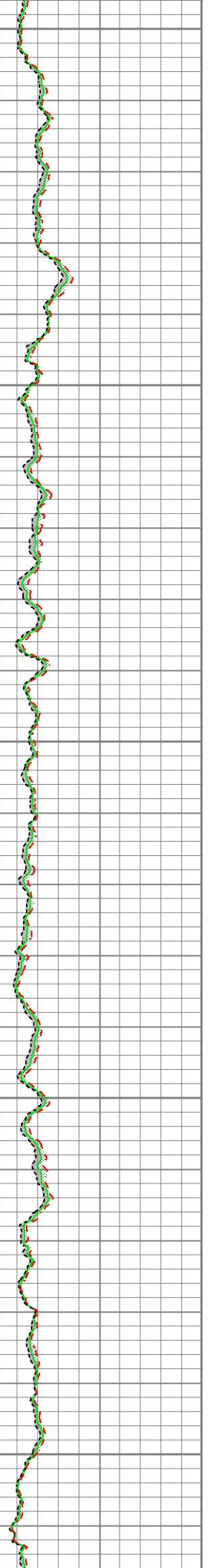
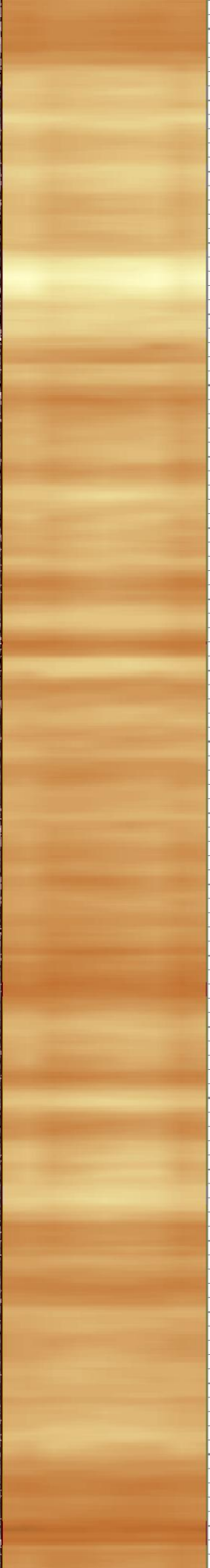
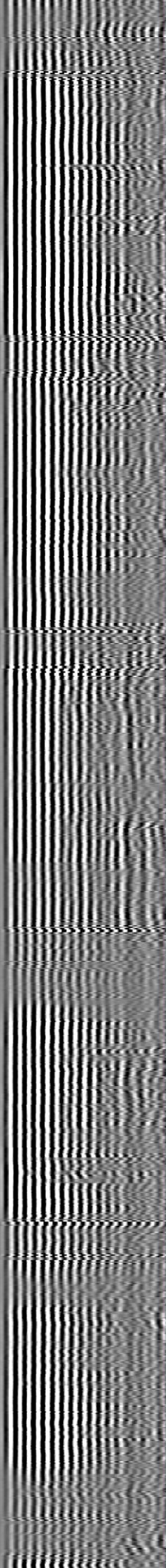
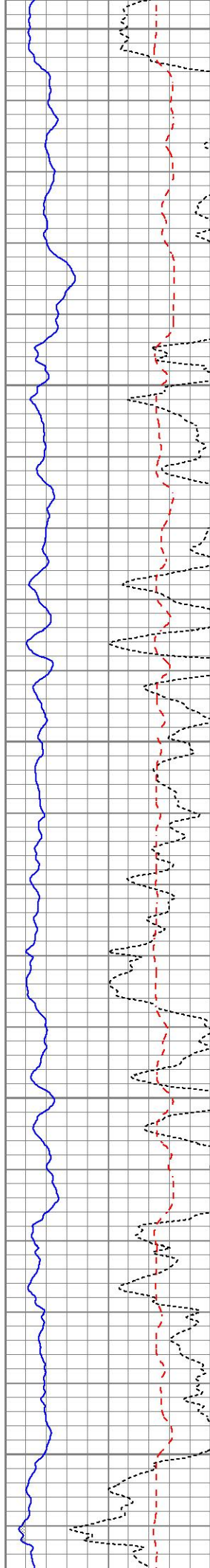


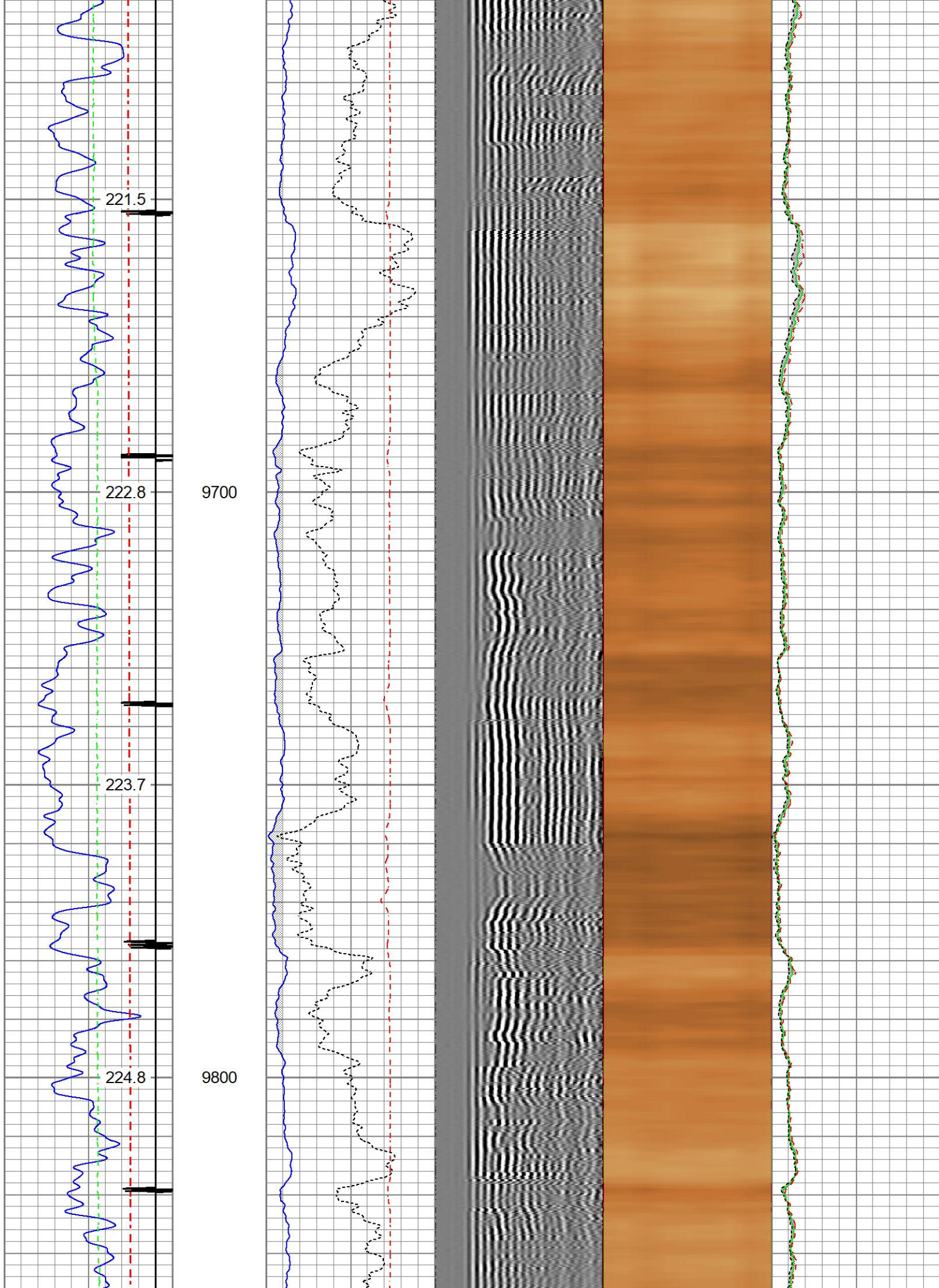


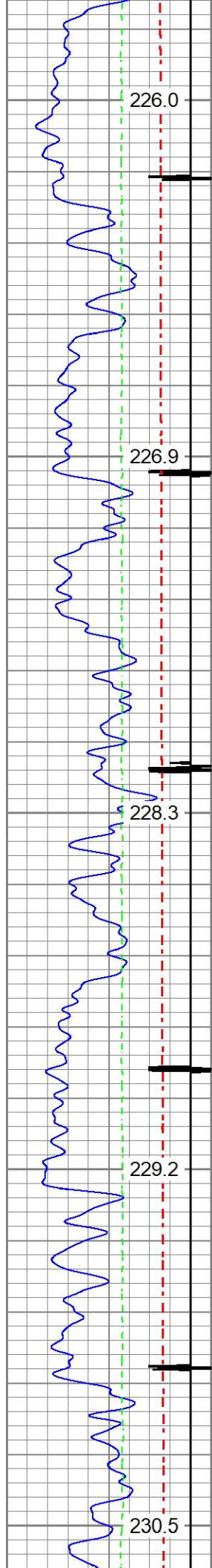
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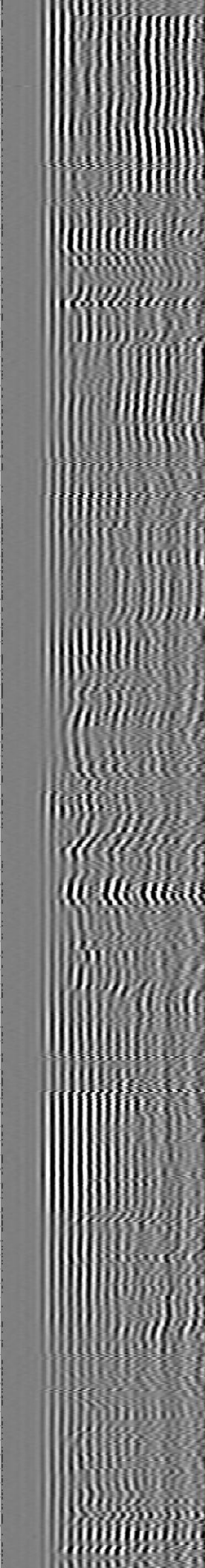
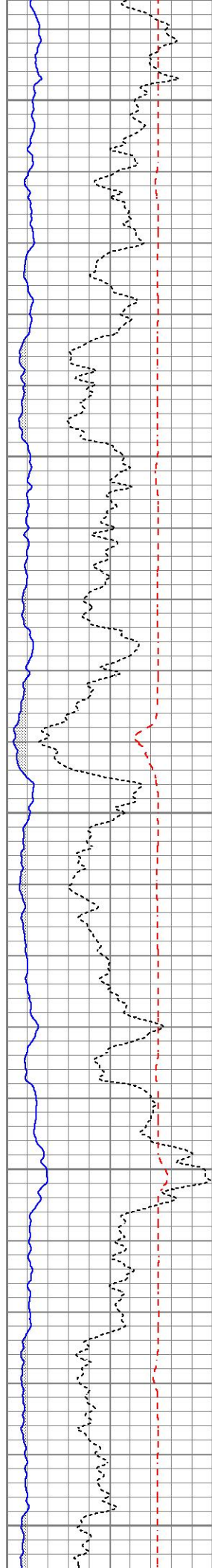


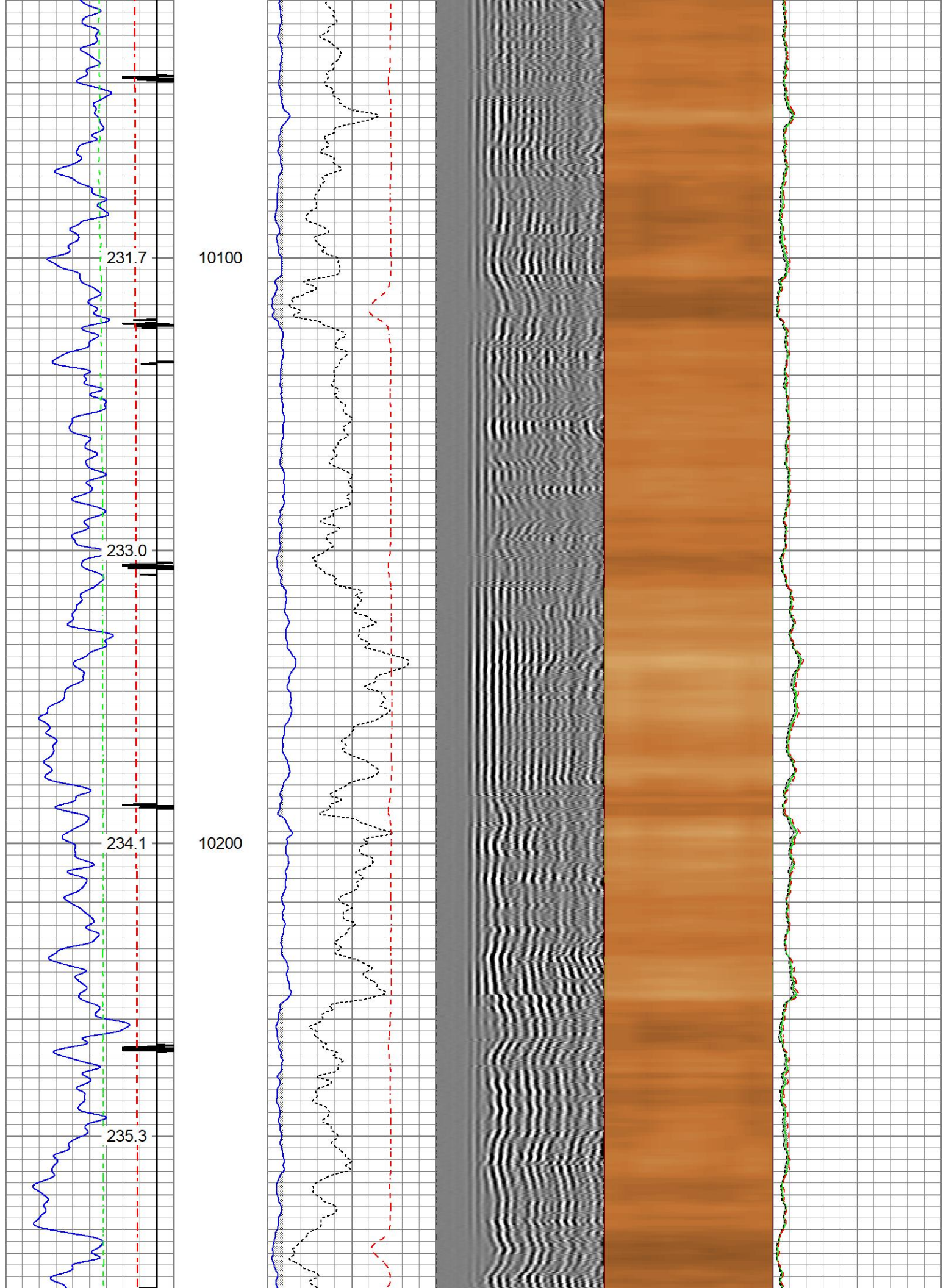


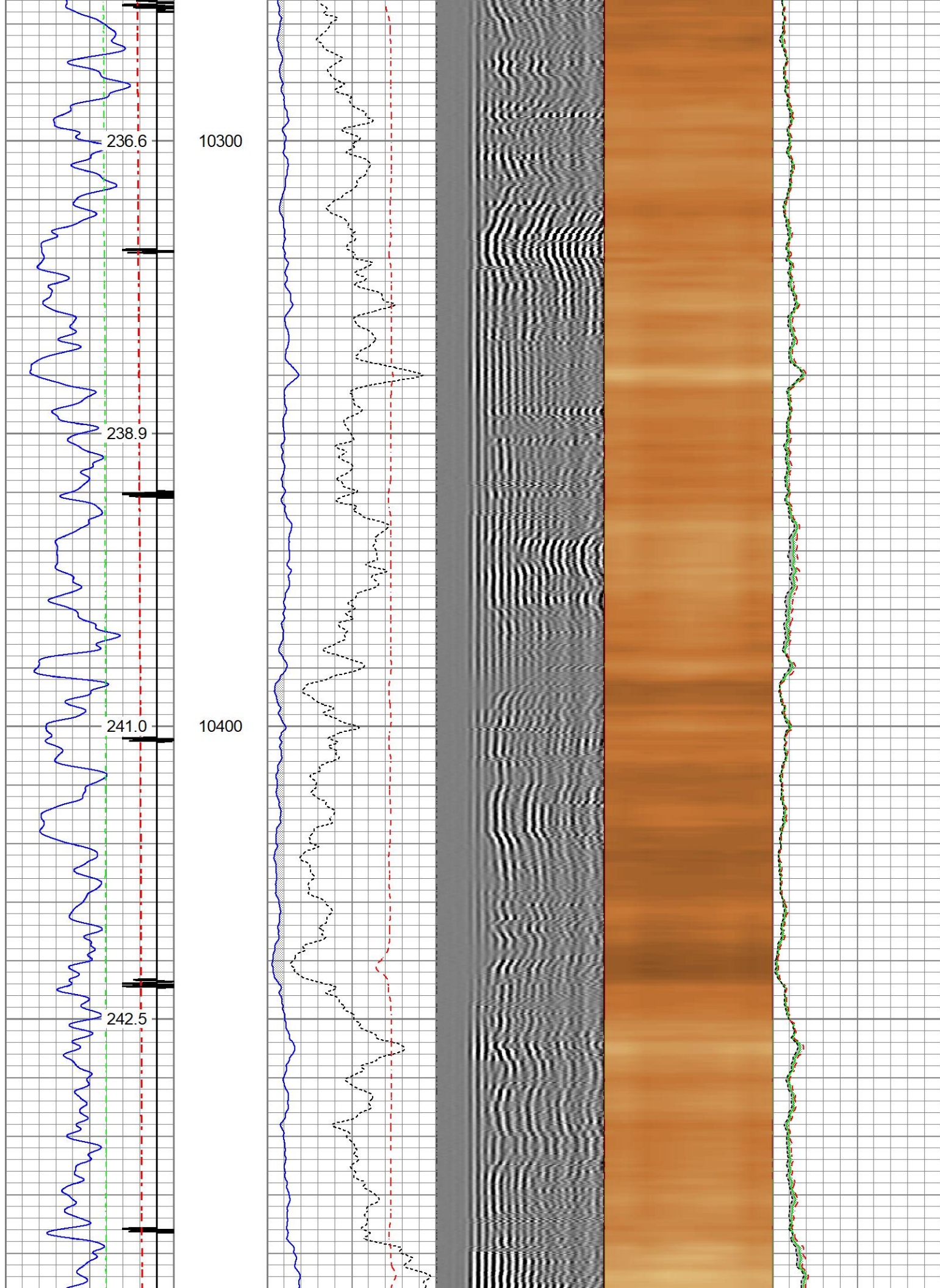


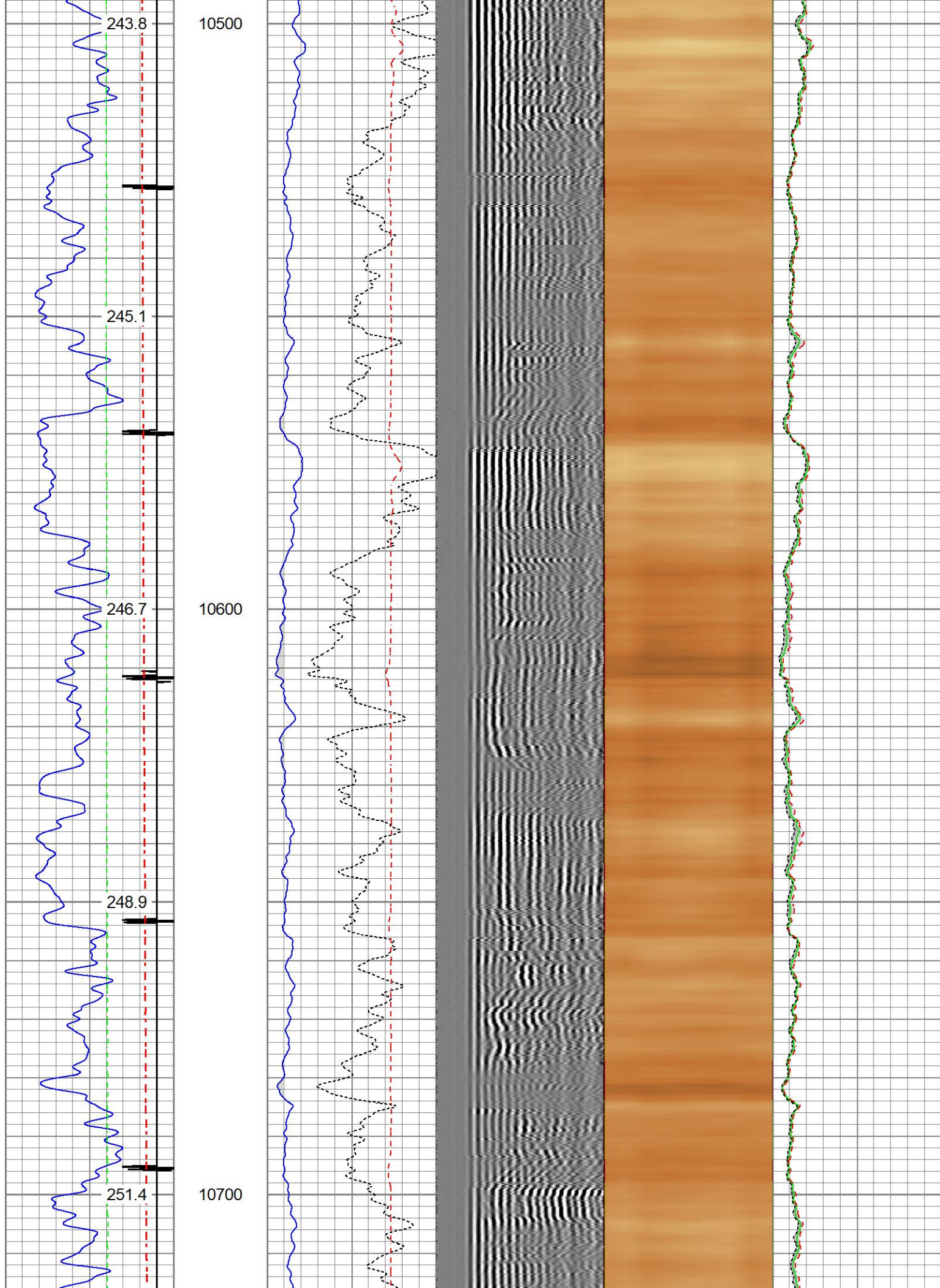
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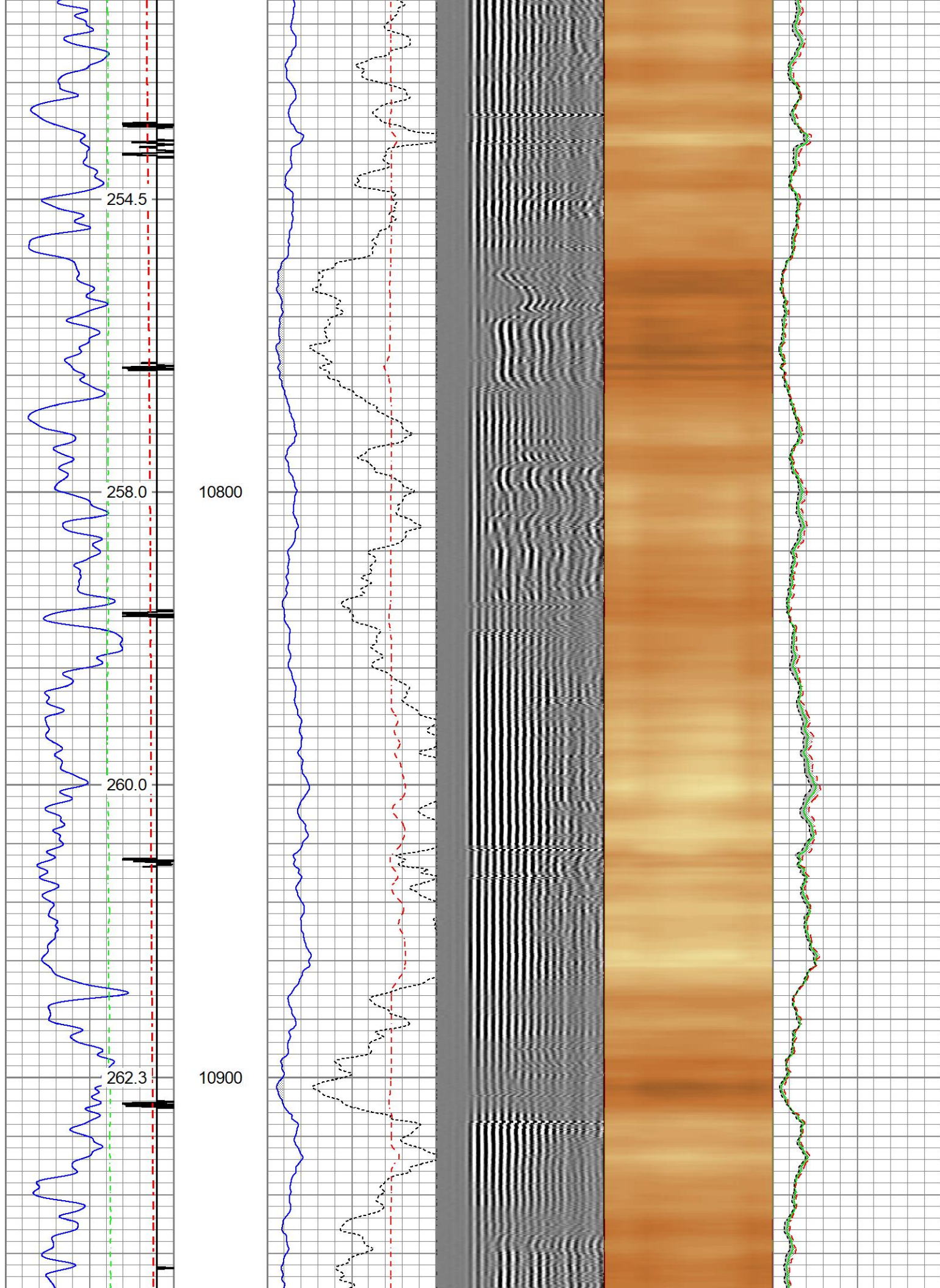
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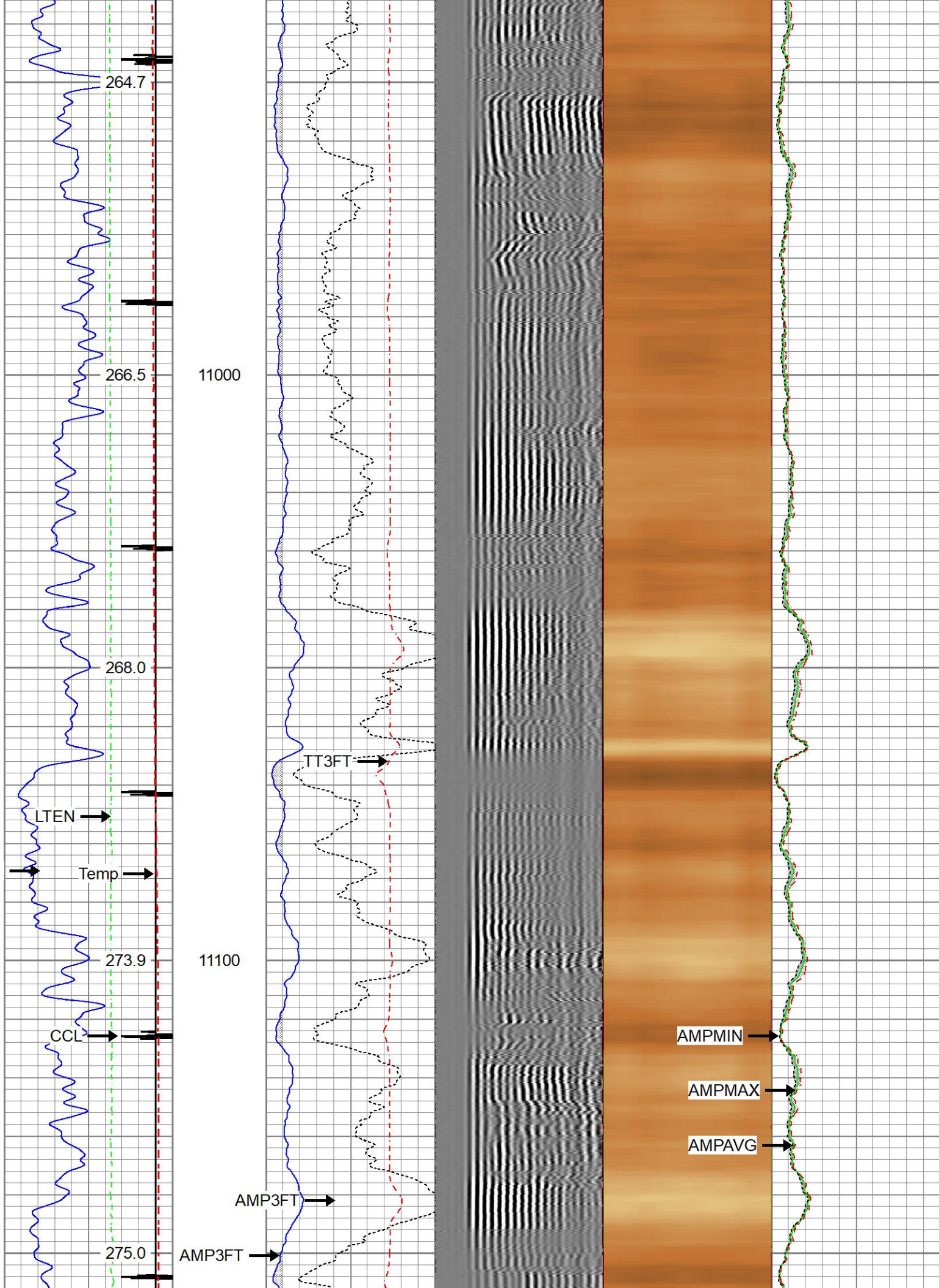


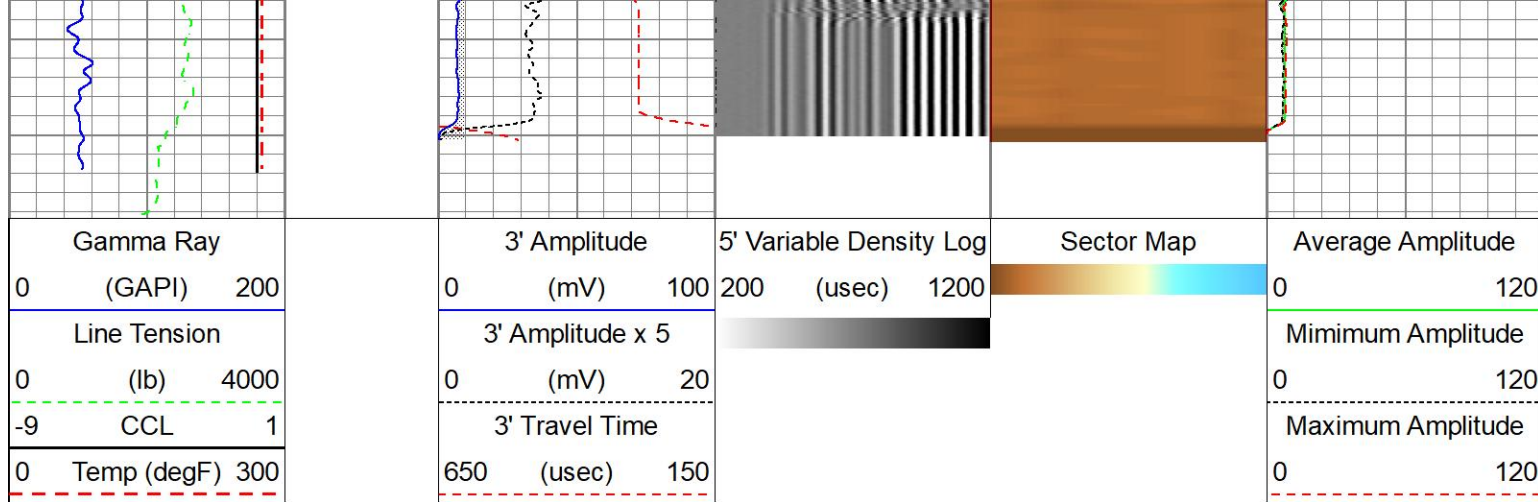






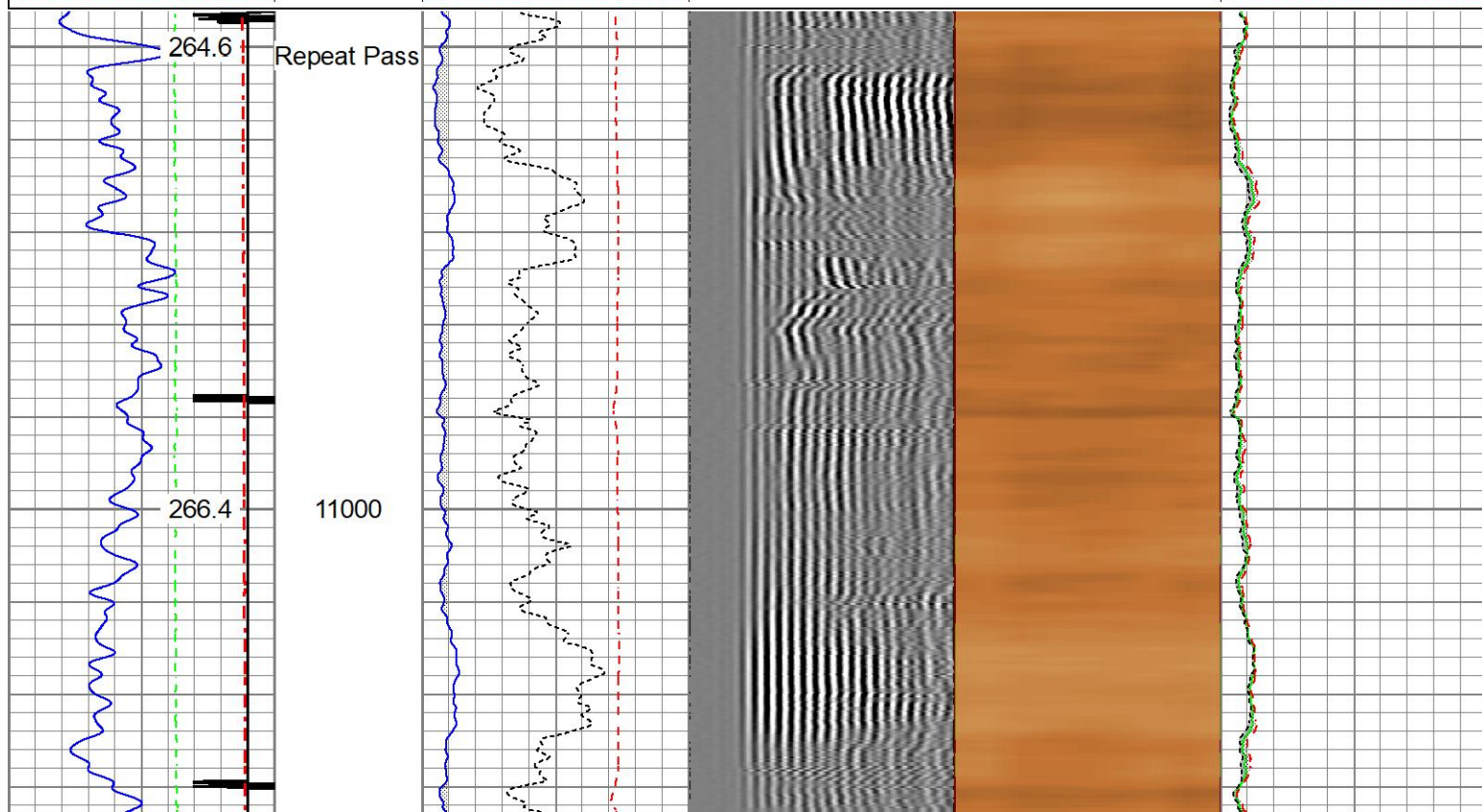
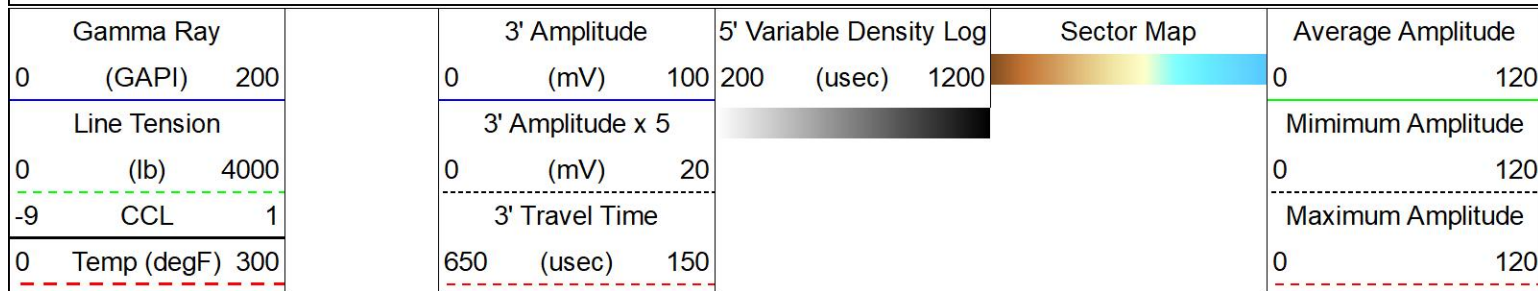


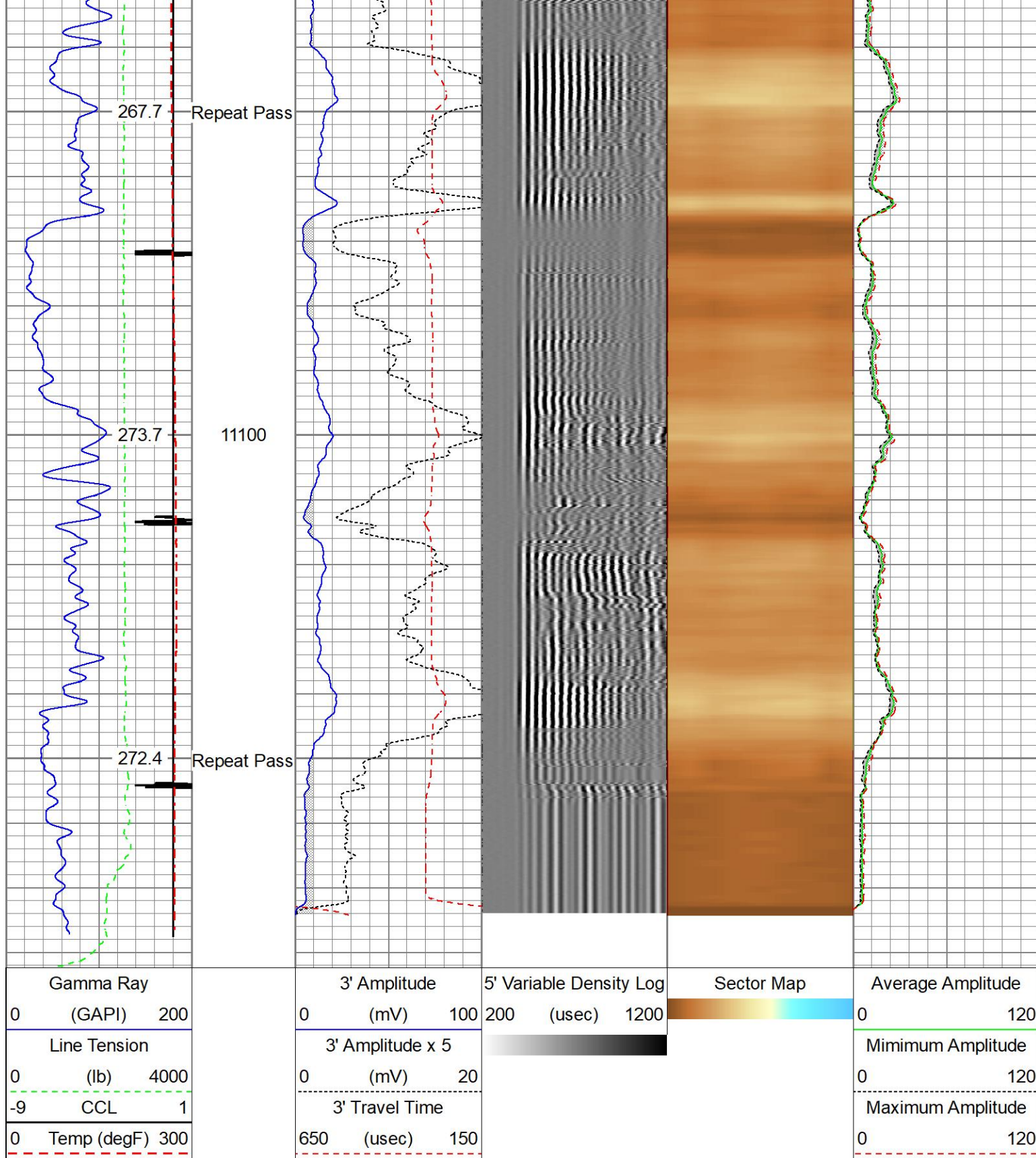




Repeat Pass 5" = 100'

Database File	tep_wmc344-24-794_rcbl_3-1-2023\tep_wmc 344-24-794_rcbl_3-1-2023.db
Dataset Pathname	repeat_pass/repeat
Presentation Format	twgrcbl
Dataset Creation	Wed Mar 01 08:10:13 2023
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File C:\ProgramData\Warrior\Data\tep_wmc344-24-794_rcbl_3-1-2023\tep_wmc 344-24-794_rcbl_3-1-2023.db
Dataset Pathname Main_Pass/main
Dataset Creation Wed Mar 01 08:16:37 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			

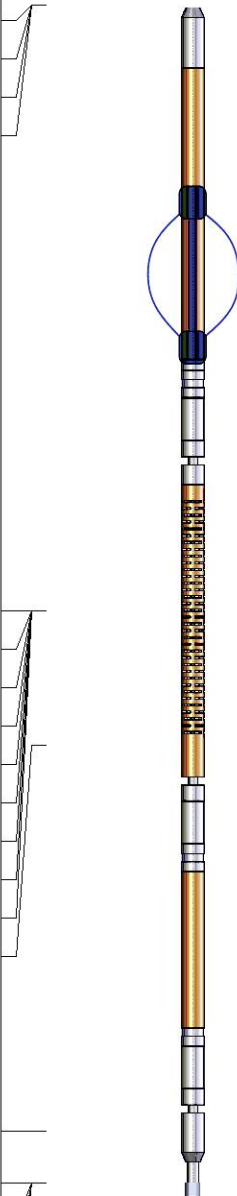
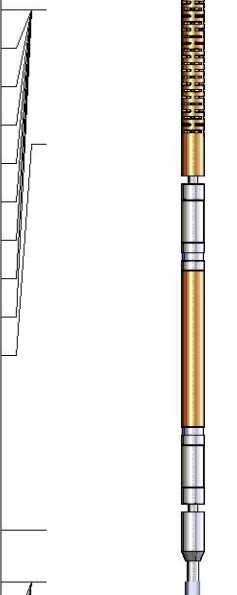

Master Calibration, performed Wed Mar 1 07:28:03 2023:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.512	0.800	81.196	158.360	0.156
CAL	0.004	0.803				
5'	0.004	0.367	0.800	81.196	221.894	-0.181
SUM						
S1	0.004	0.522	0.000	100.000	192.930	-0.725
S2	0.004	0.513	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		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	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					

[illegible]