



Radial Cement Bond
Gamma CCL
Log

Company Terra Energy Partners, LLC					
Well Federal NR 533-4					
Field Rulison					
County Garfield					
State Colorado Country USA					
Company Terra Energy Partners, LLC					
Well Federal NR 533-4					
Field Rulison					
County Garfield					
State Colorado Country USA					
Location: API # : 05-045-24483 Other Services ---					
SEC 3 TWP 6S RGE 94W Elevation					
Permanent Datum Ground Level Elevation 6728'					
Log Measured From Kelly Bushing D.F. 6759'					
Drilling Measured From Kelly Bushing G.L. 6730'					
Date	02-JULY-2022				
Run Number	One				
Depth Driller	11037 FT				
Depth Logger	10961 FT				
Bottom Logged Interval	10958 FT				
Top Log Interval	Surface				
Open Hole Size	8.75"				
Type Fluid	Water				
Density / Viscosity	8.34 lb/gal				
Max. Recorded Temp.	253° F				
Estimated Cement Top	See Log				
Time Well Ready	ROA				
Time Logger on Bottom	21:27				
Equipment Number	8053				
Location	Grand Junction, Co.				
Recorded By	P. Edwards				
Witnessed By	D. Welsh				
Borehole Record					
Run Number	Bit	From	To	Size	Tubing Record Weight From To
Casing Record	Size	Mgd/Ft	Top	Bottom	
Surface String	9.625"	38 lb	Surface	1118 FT	
Prot. String					
Production String	4.5"	11.6 lb	Surface	11027 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 @ 6363 FT - 6373 FT
Log ran with 0 PSI at surface

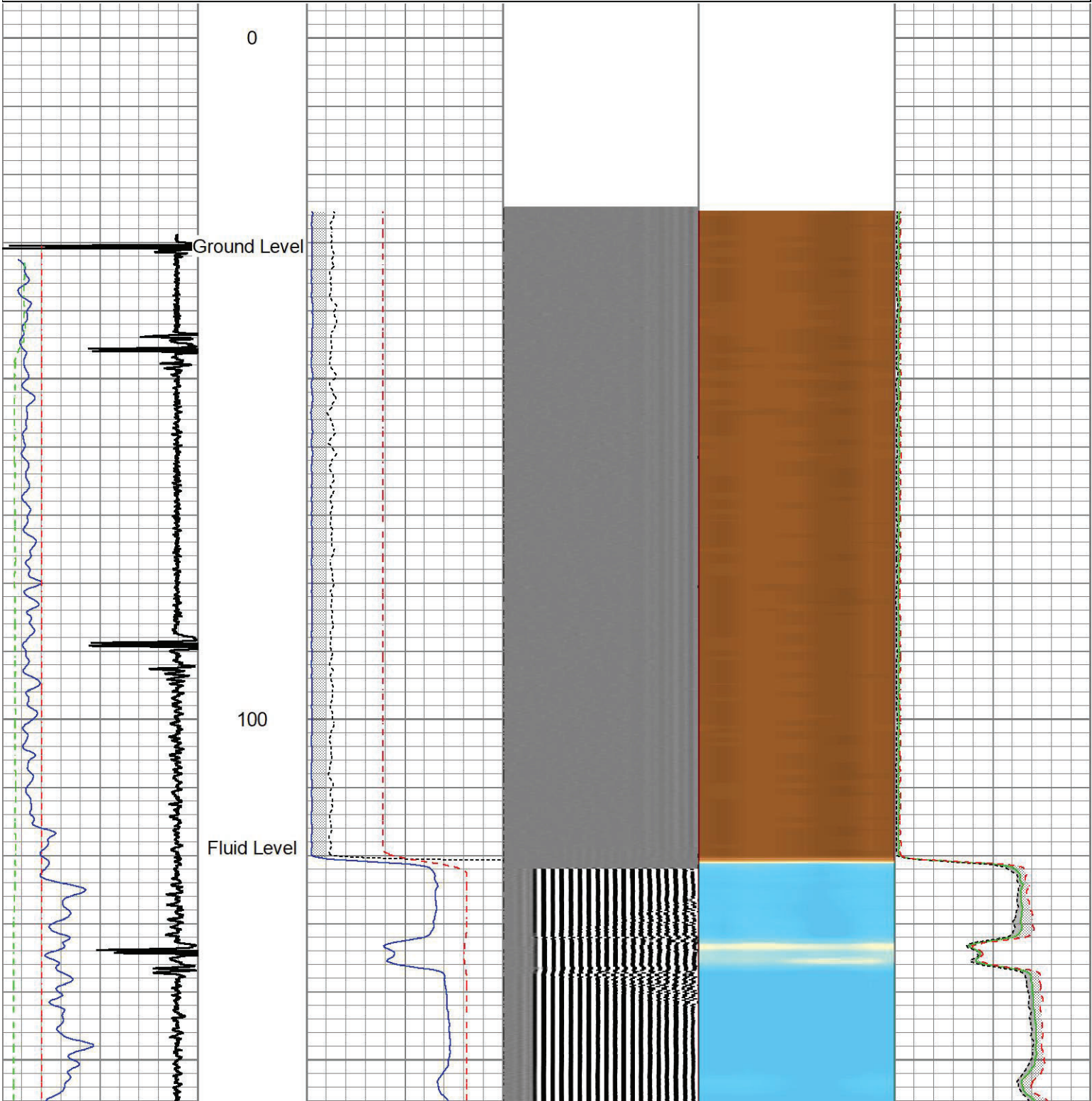
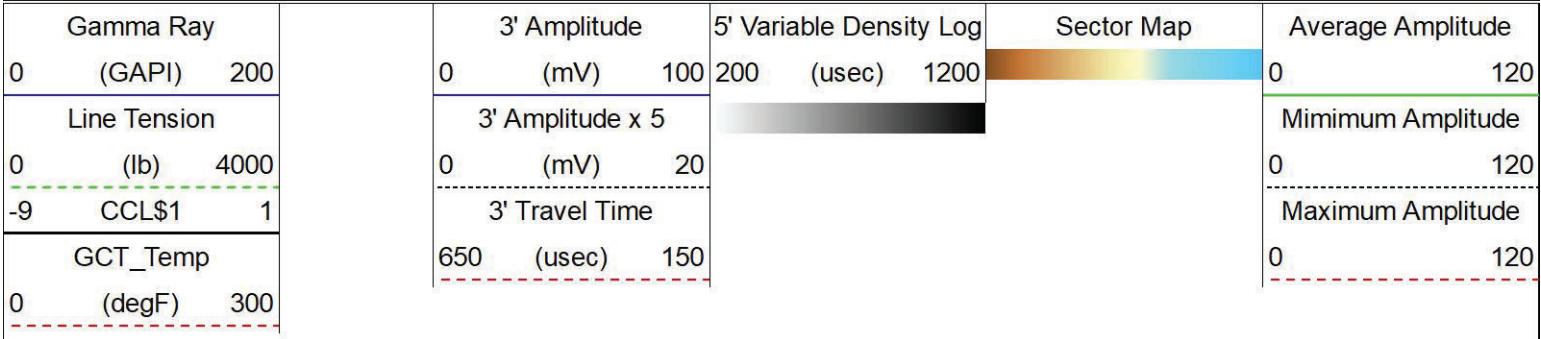
Thank you for choosing The Wireline Group.

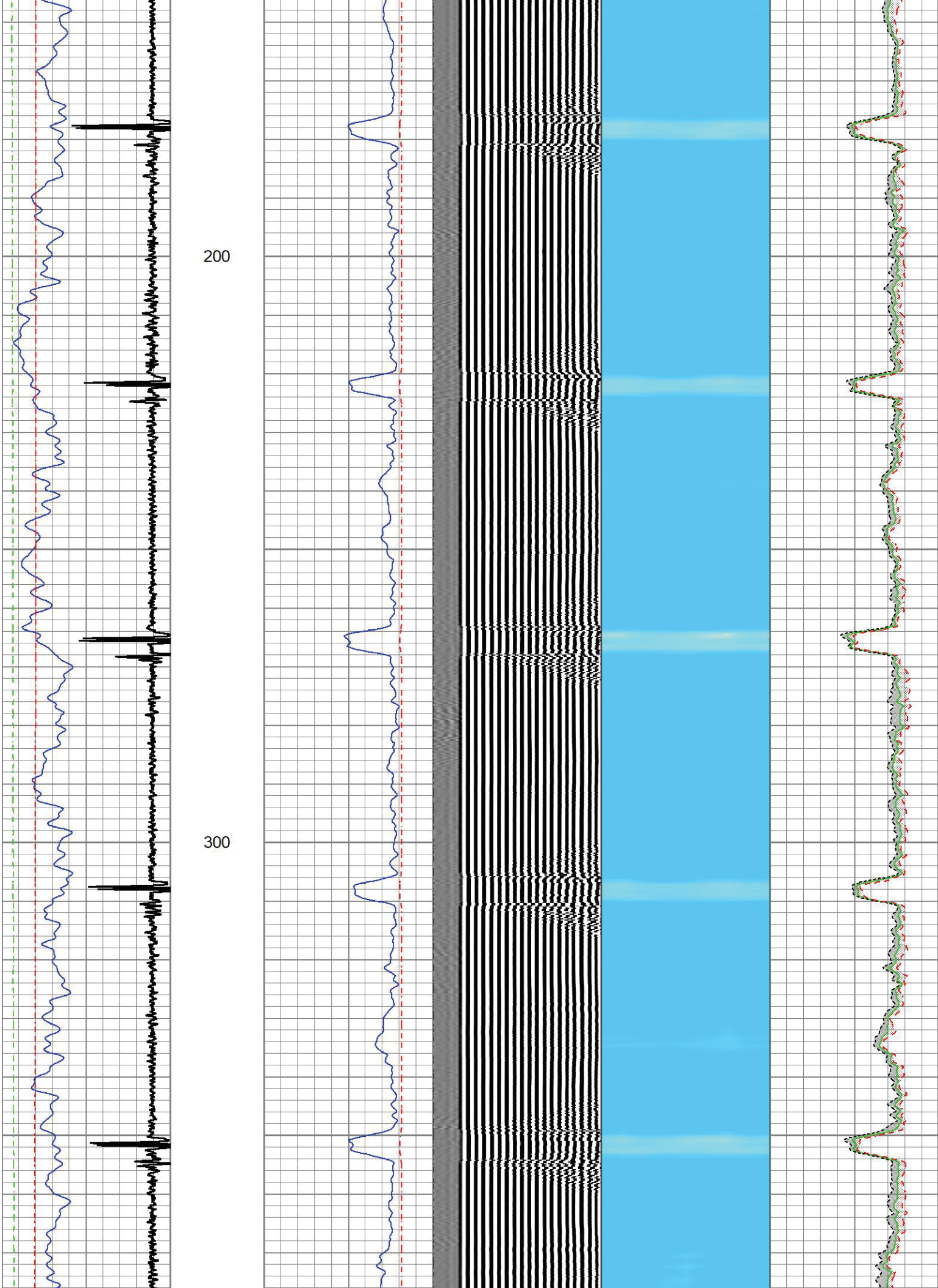


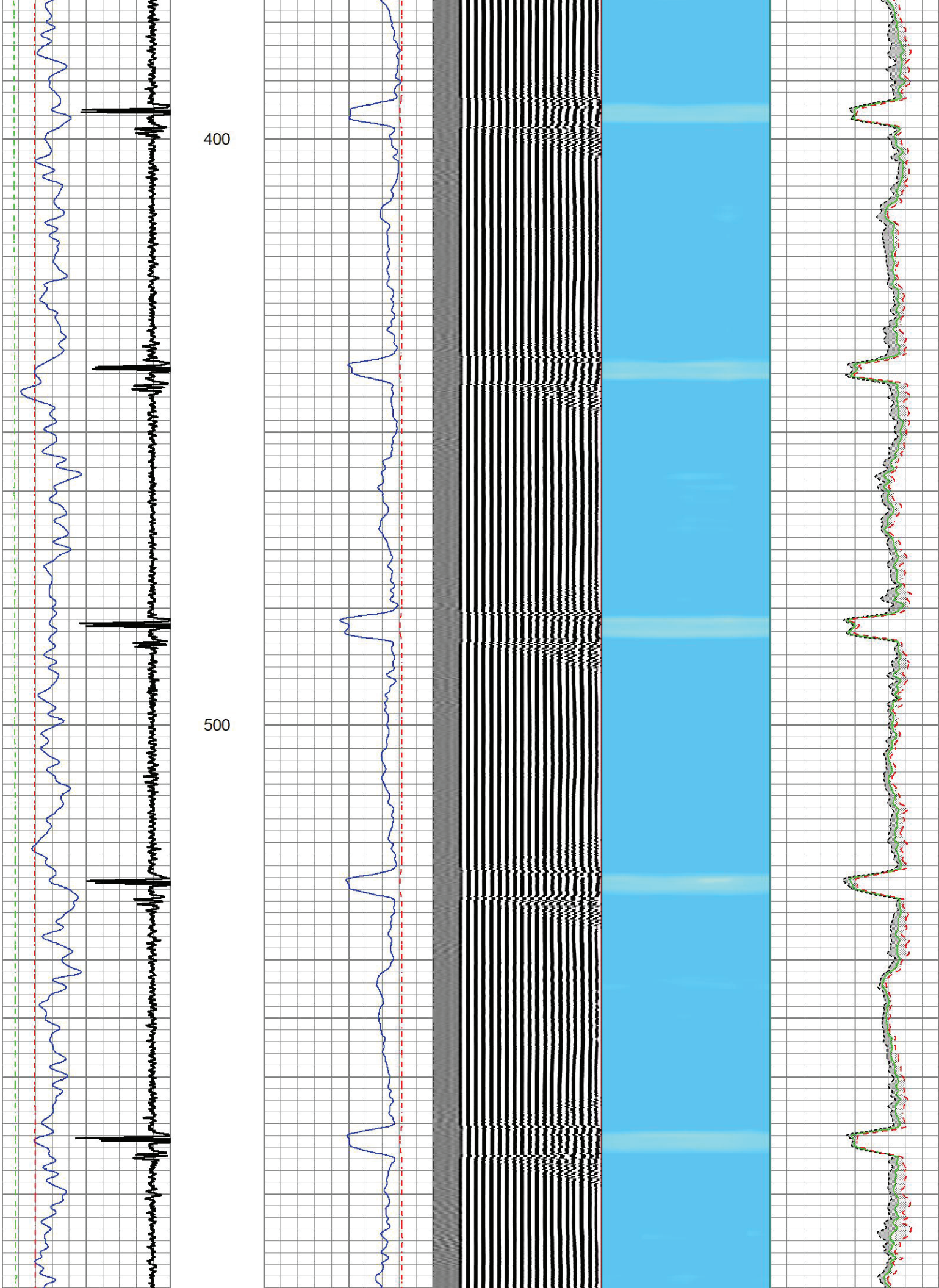
Main Pass 5" = 100'

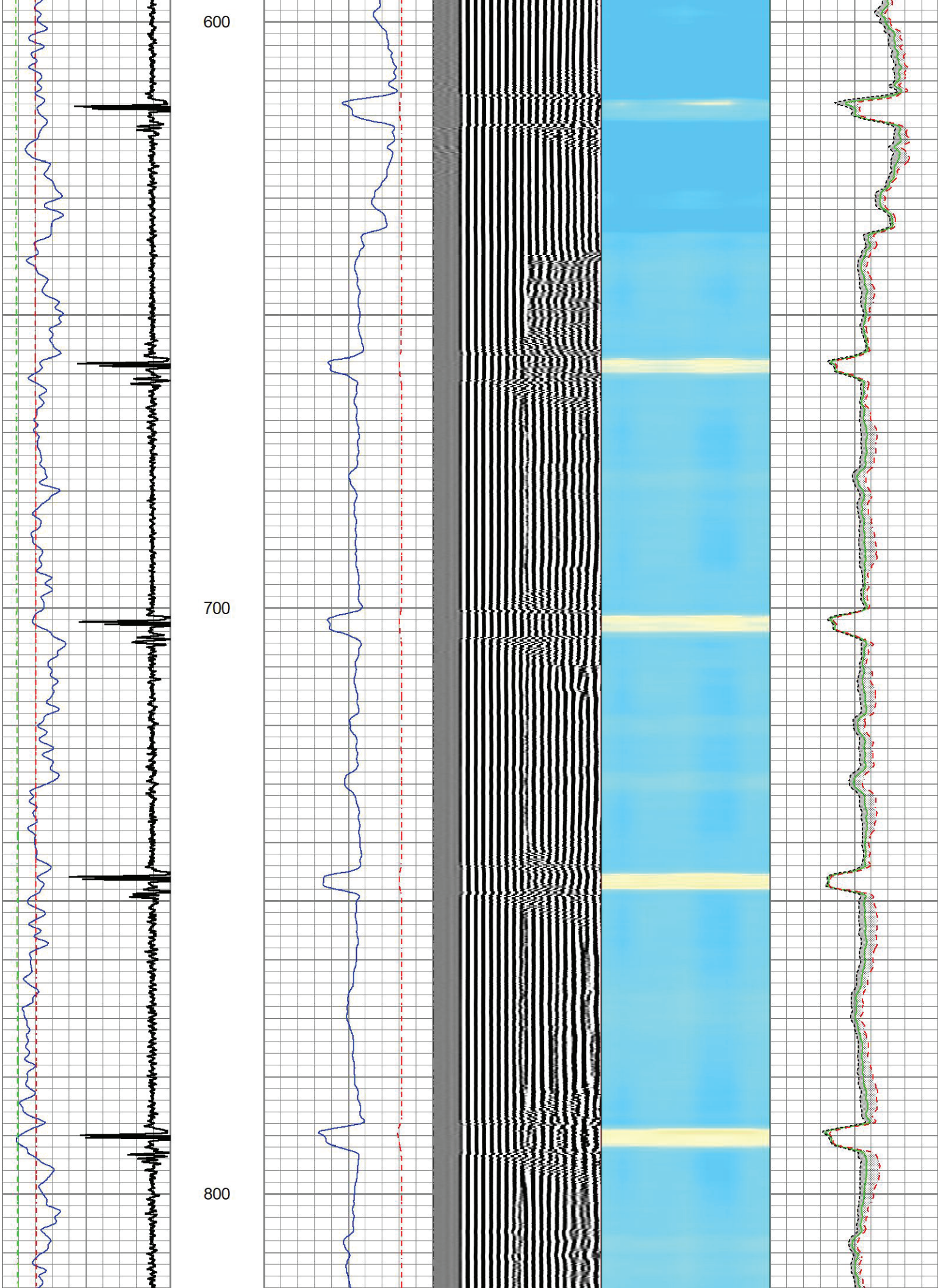
Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

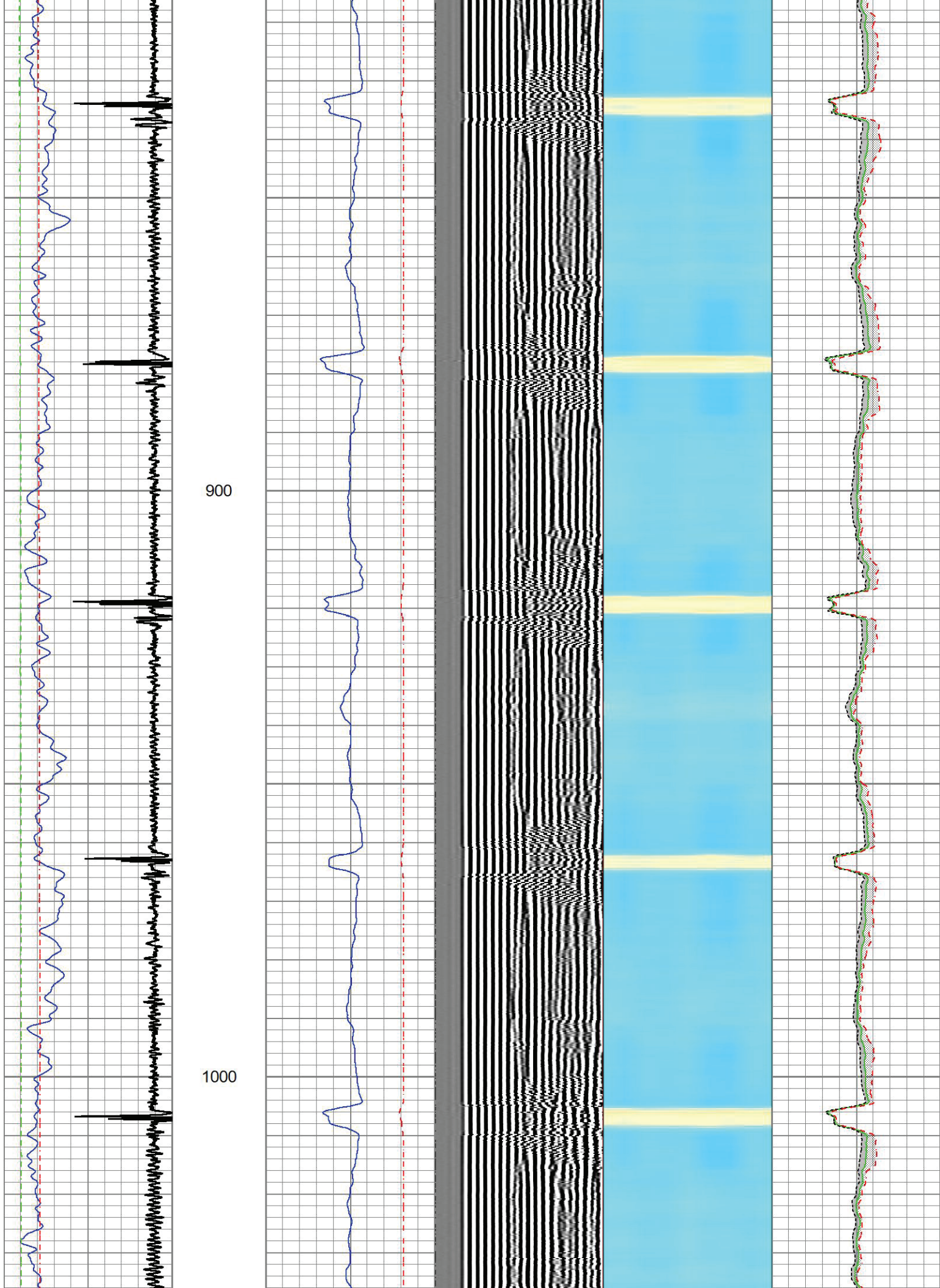
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main.1
twgrcbl
Sun Jul 03 11:29:58 2022
Depth in Feet scaled 1:240

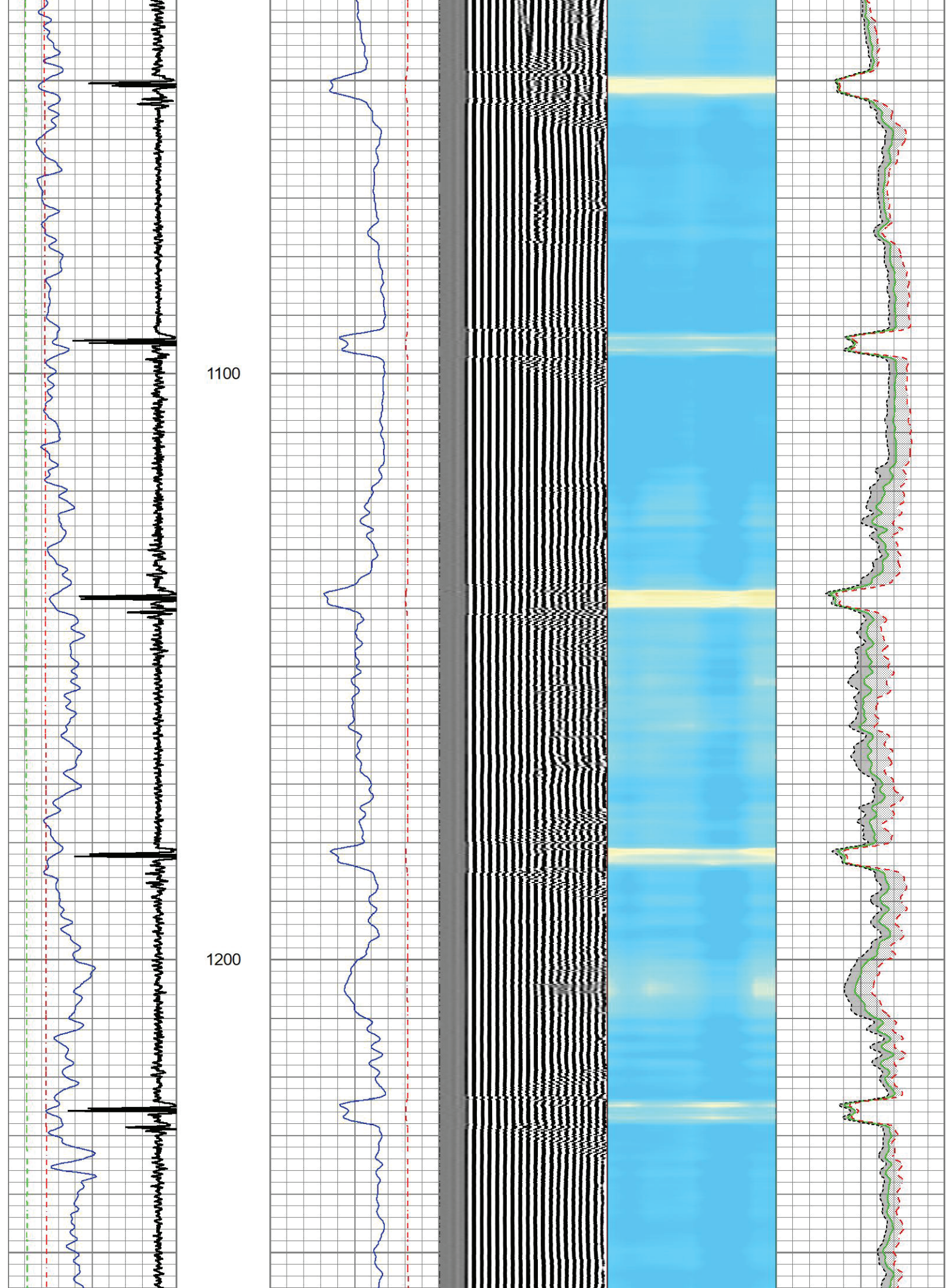


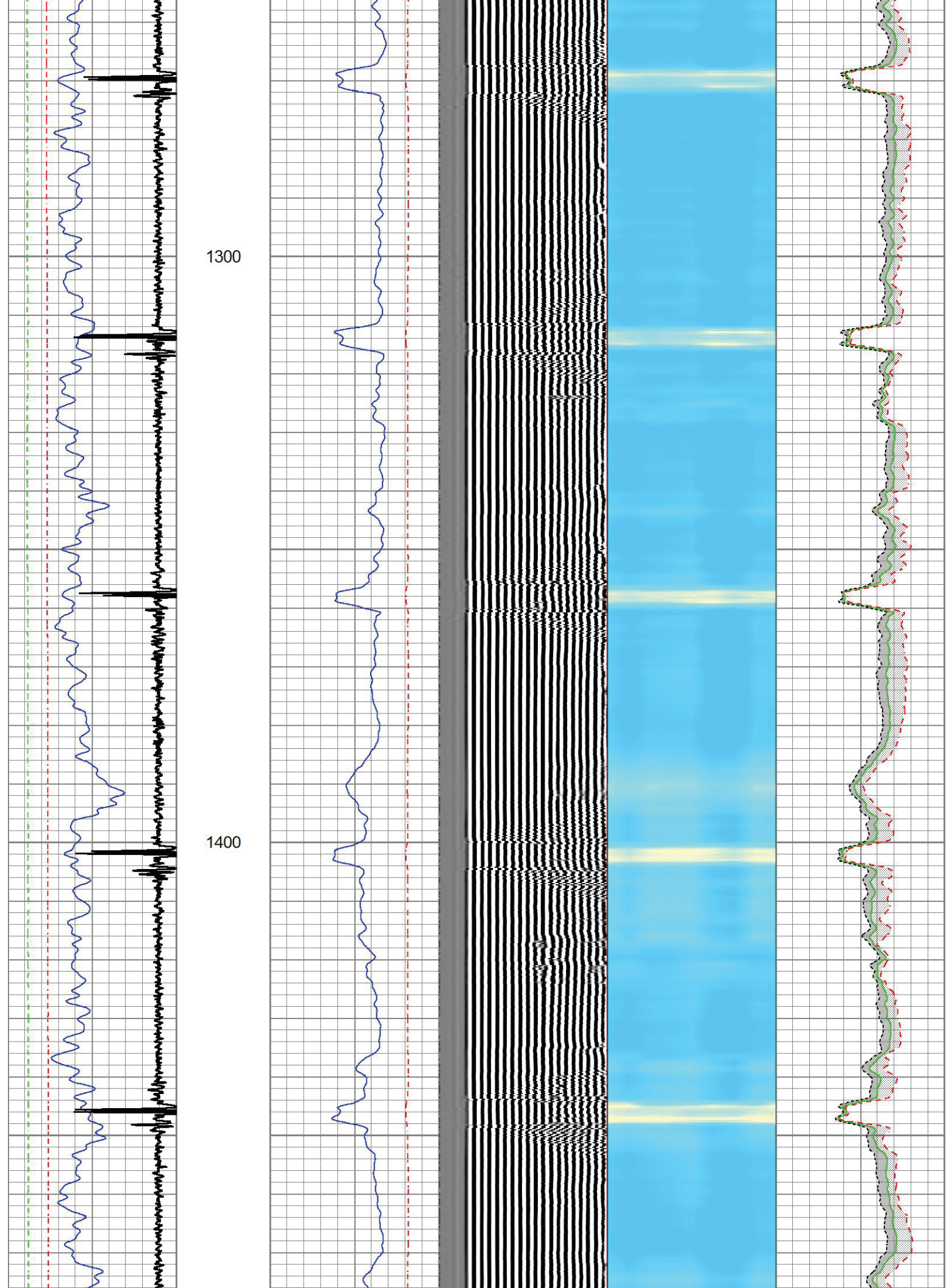


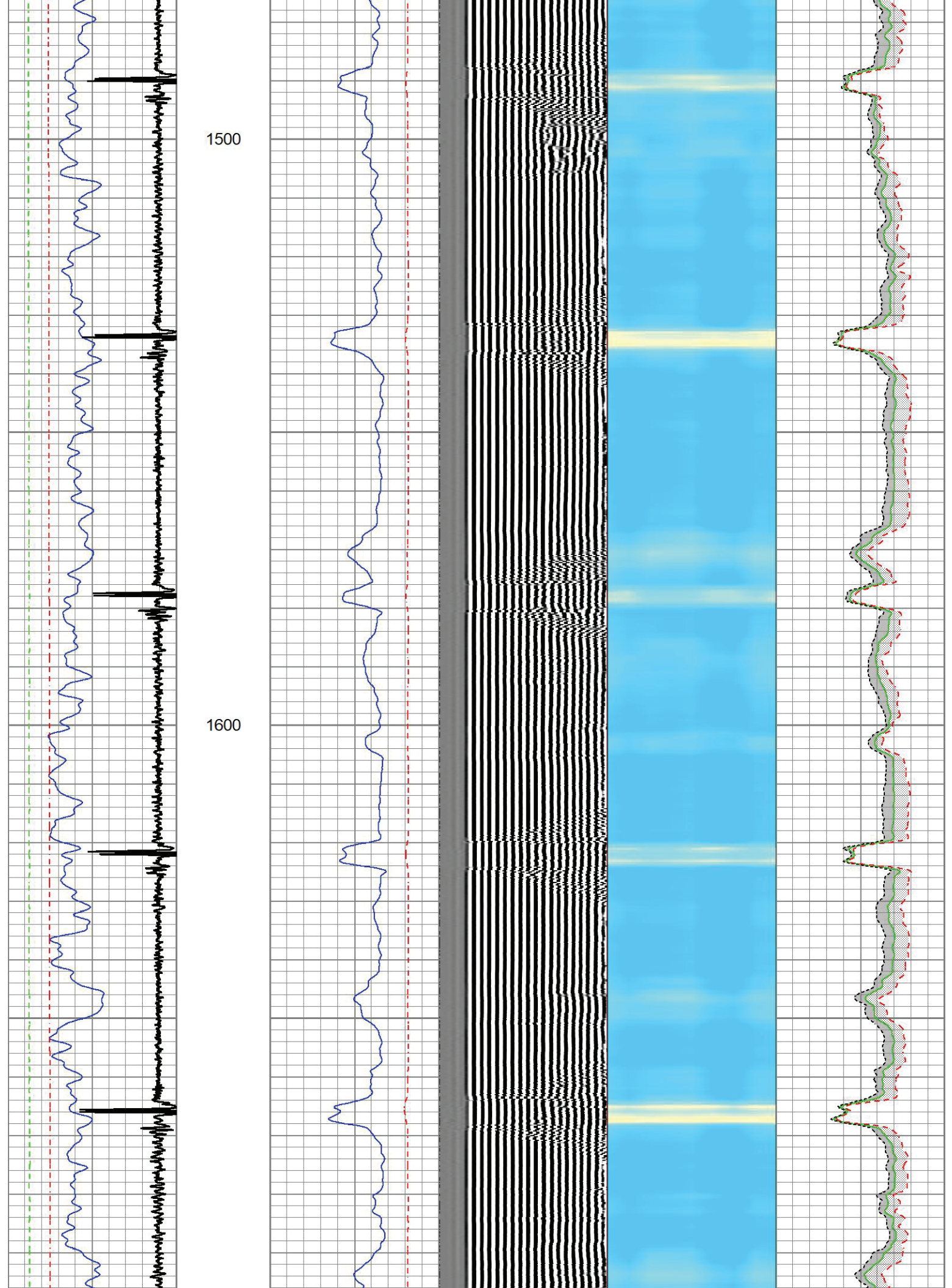


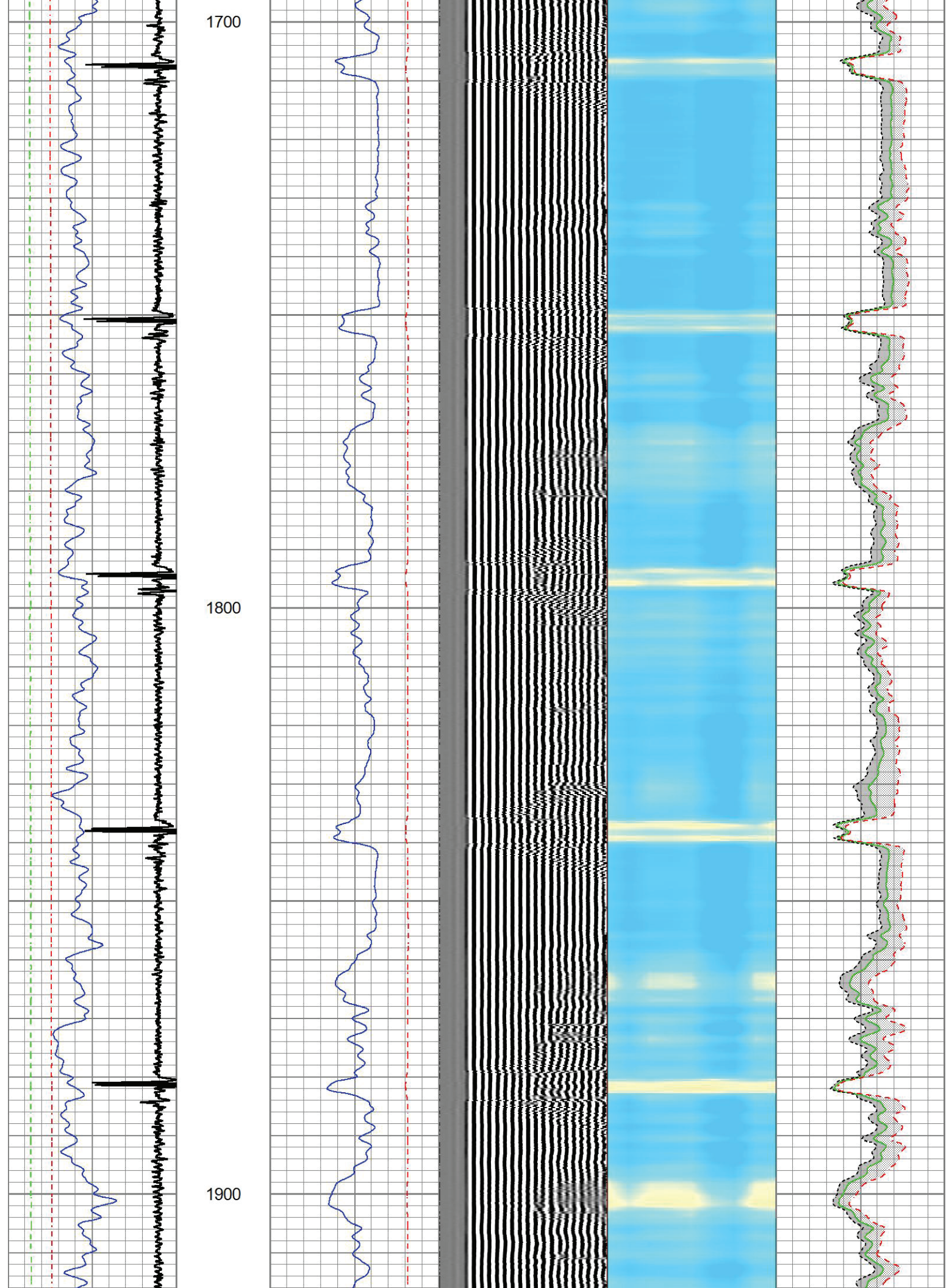


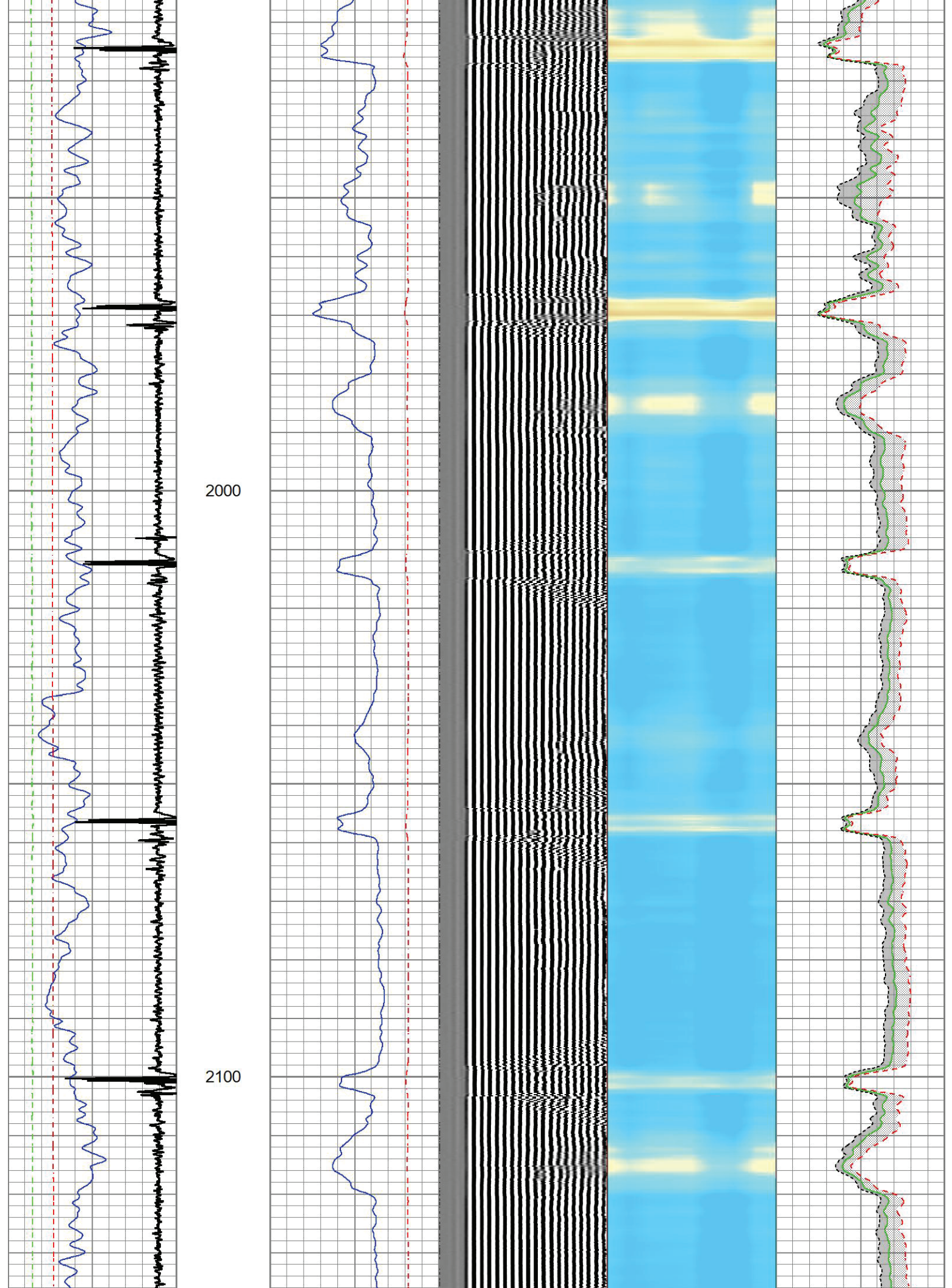


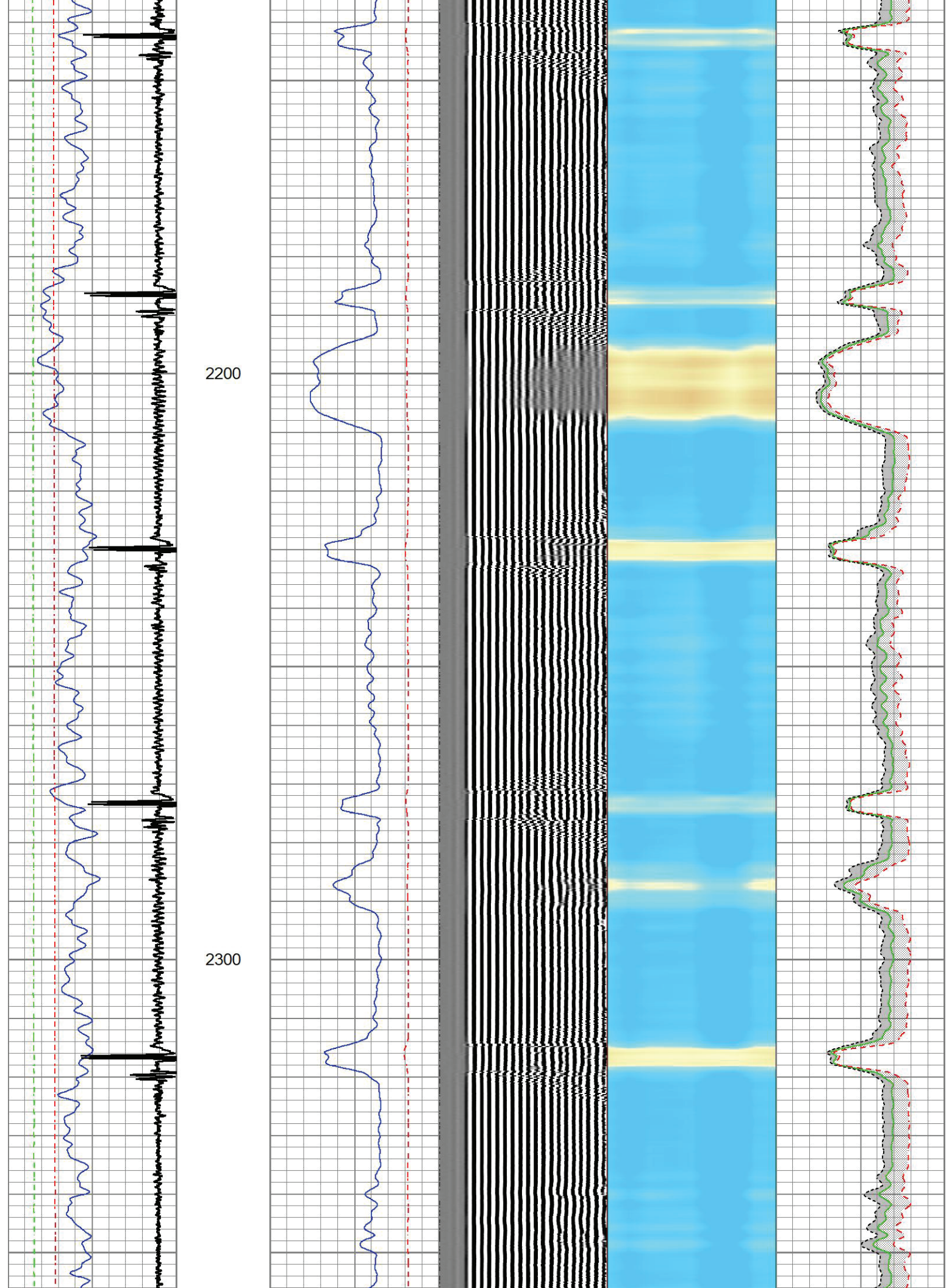


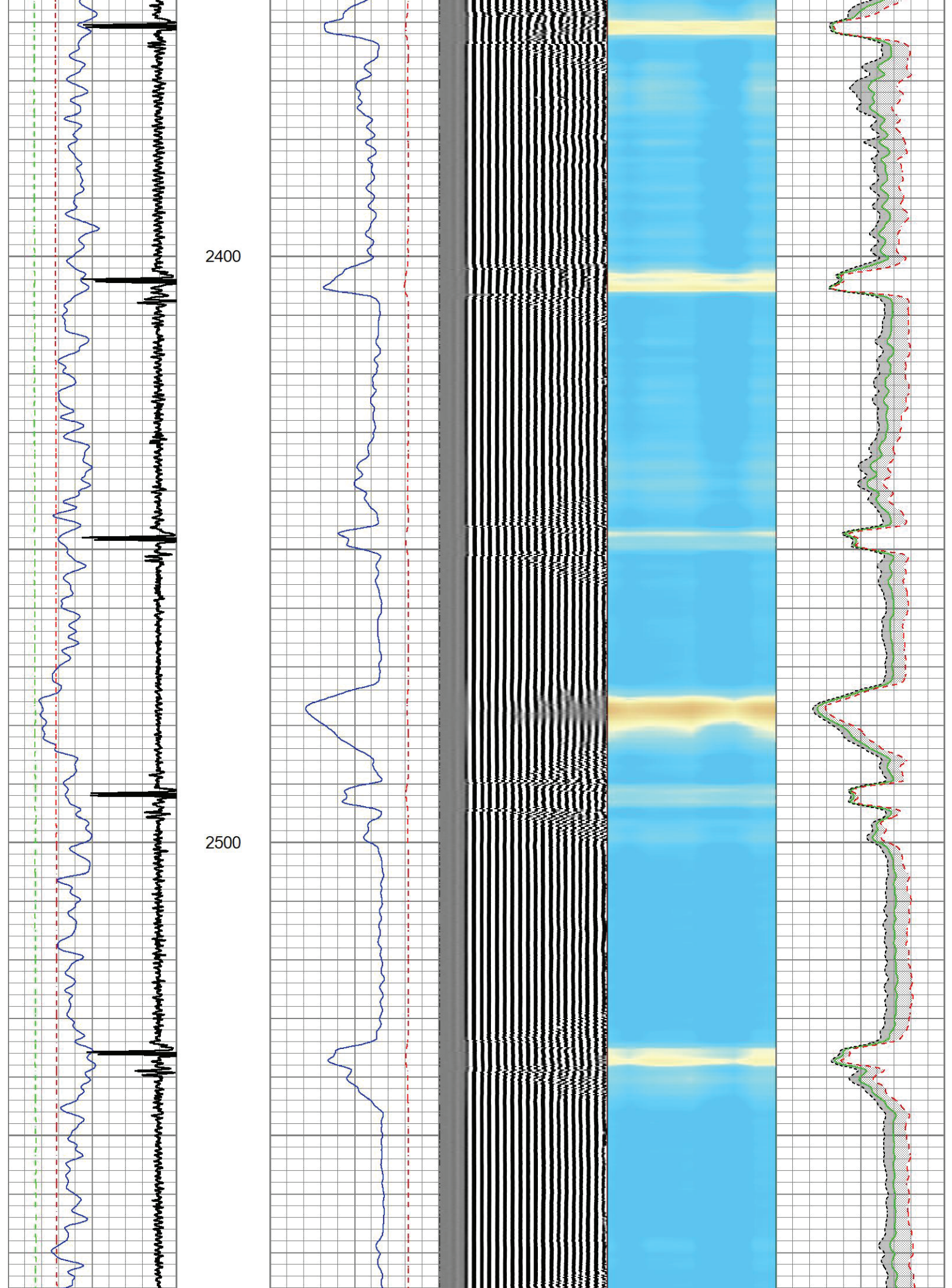


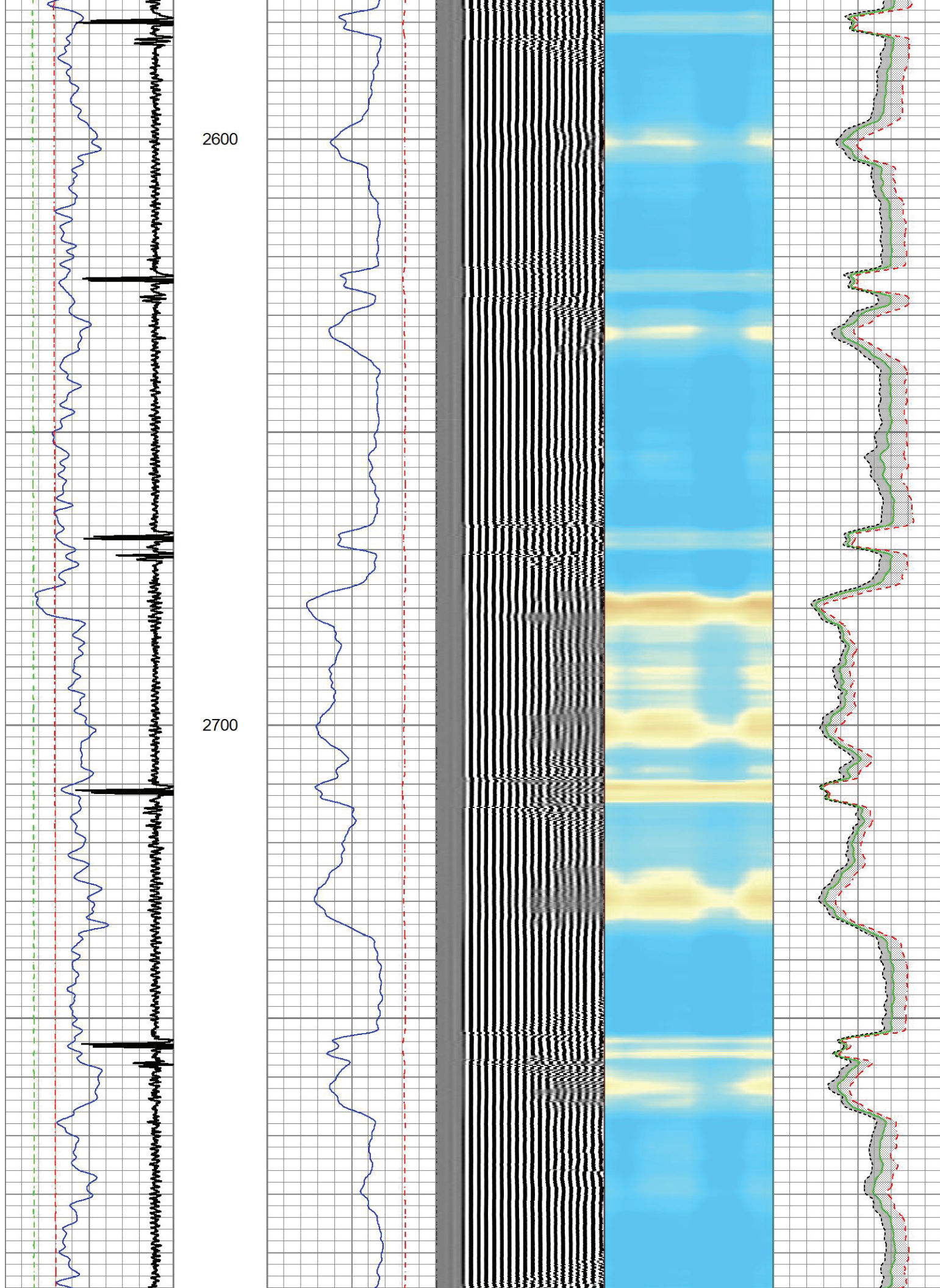


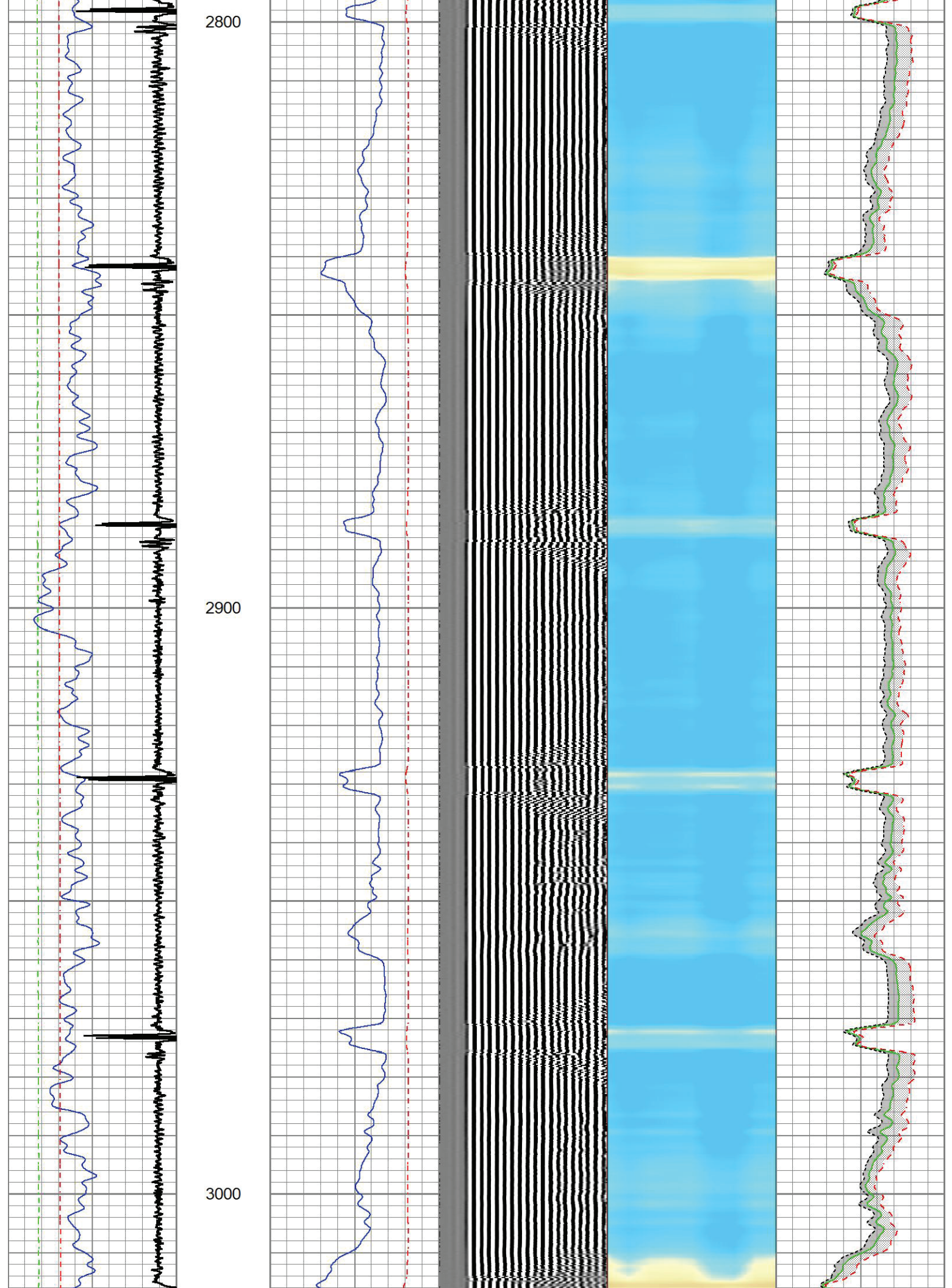


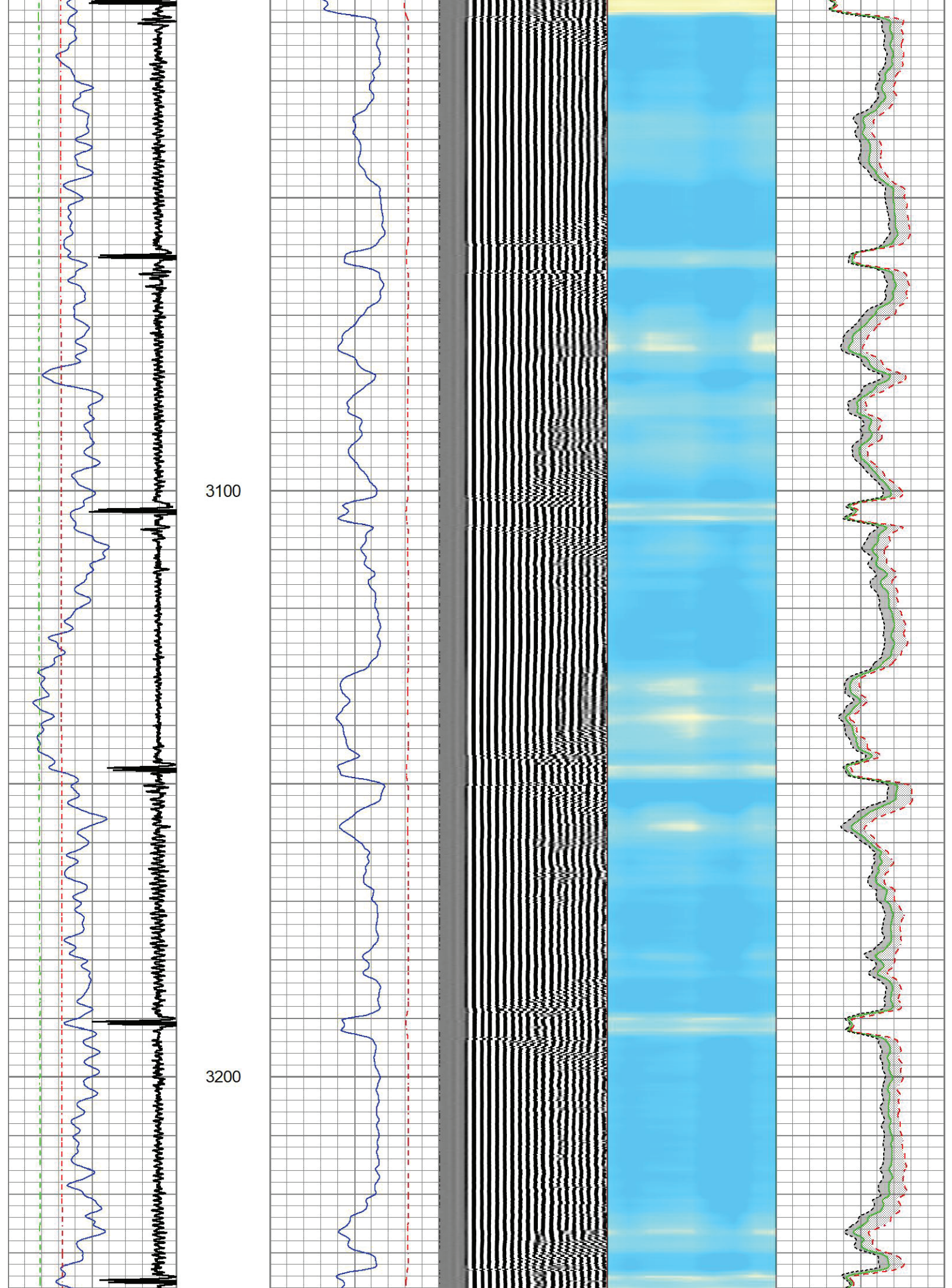


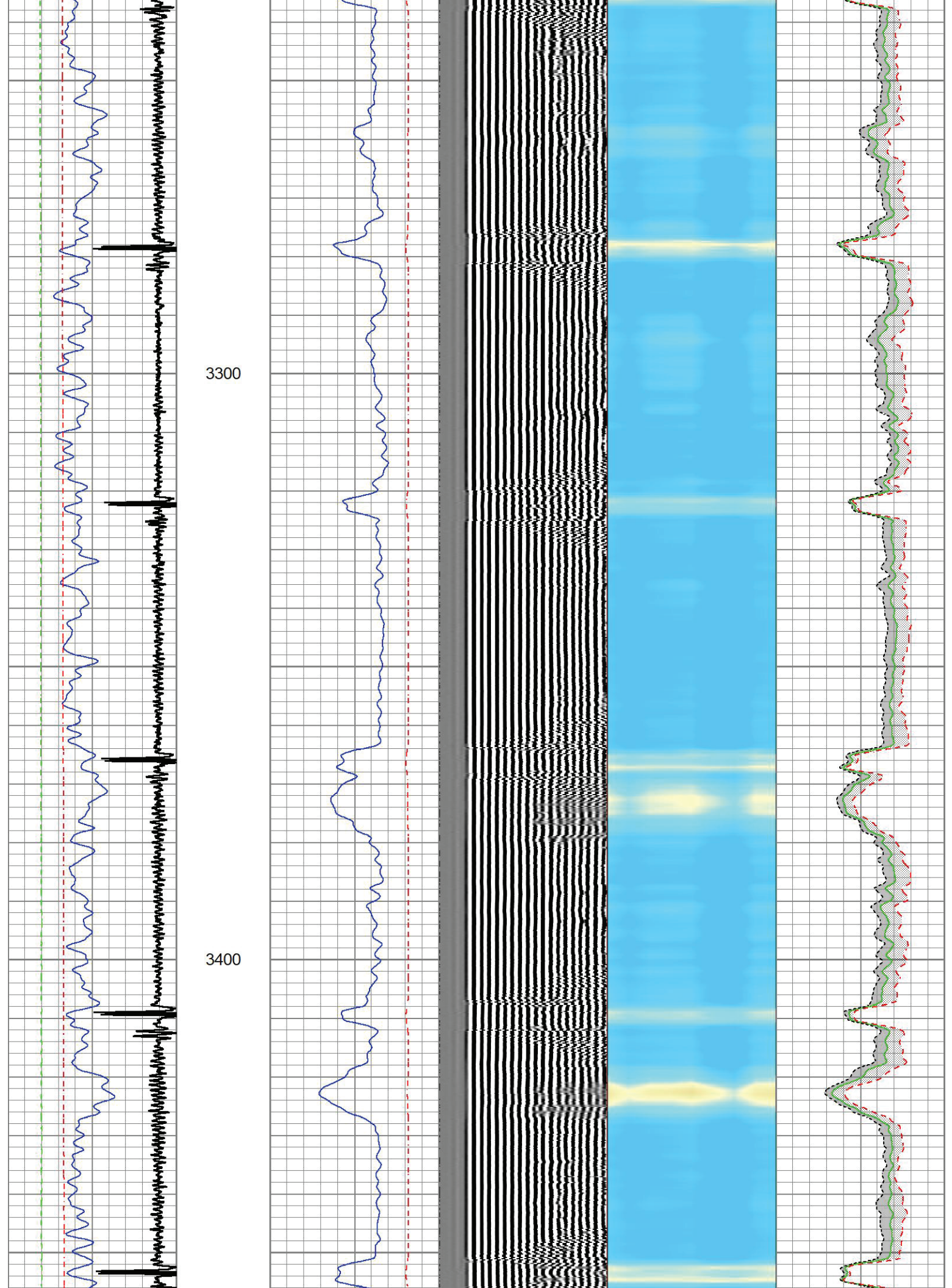


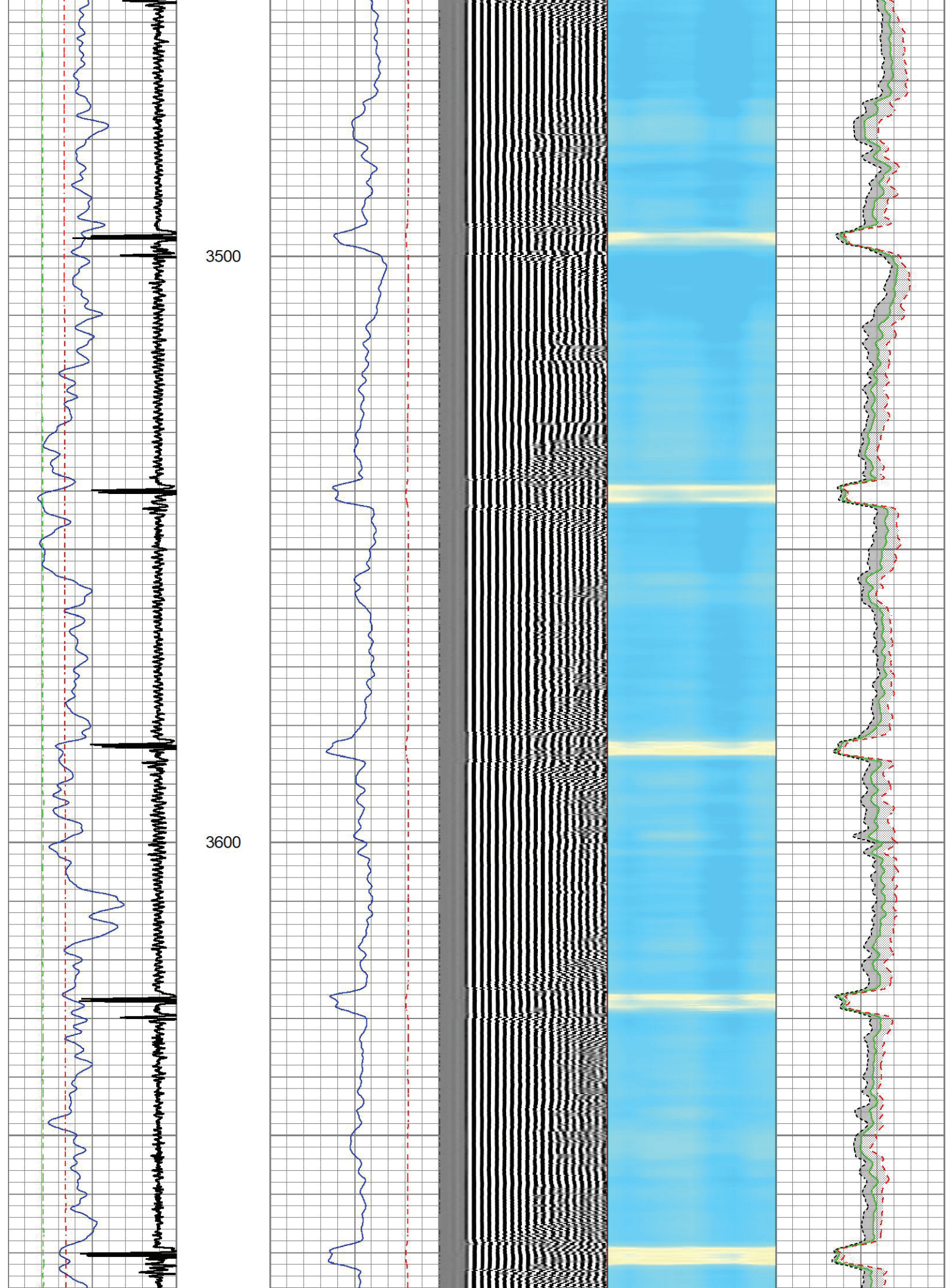


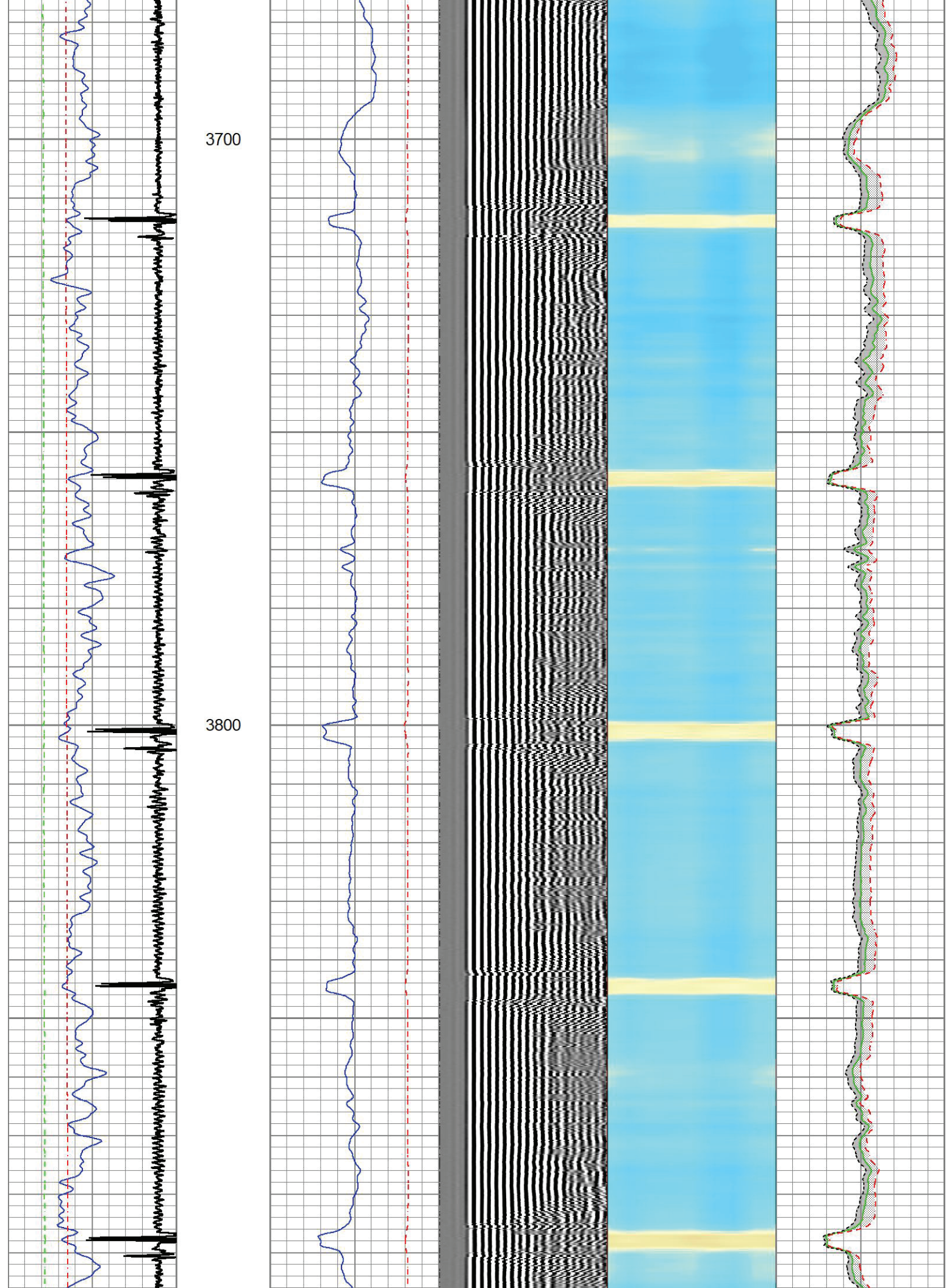


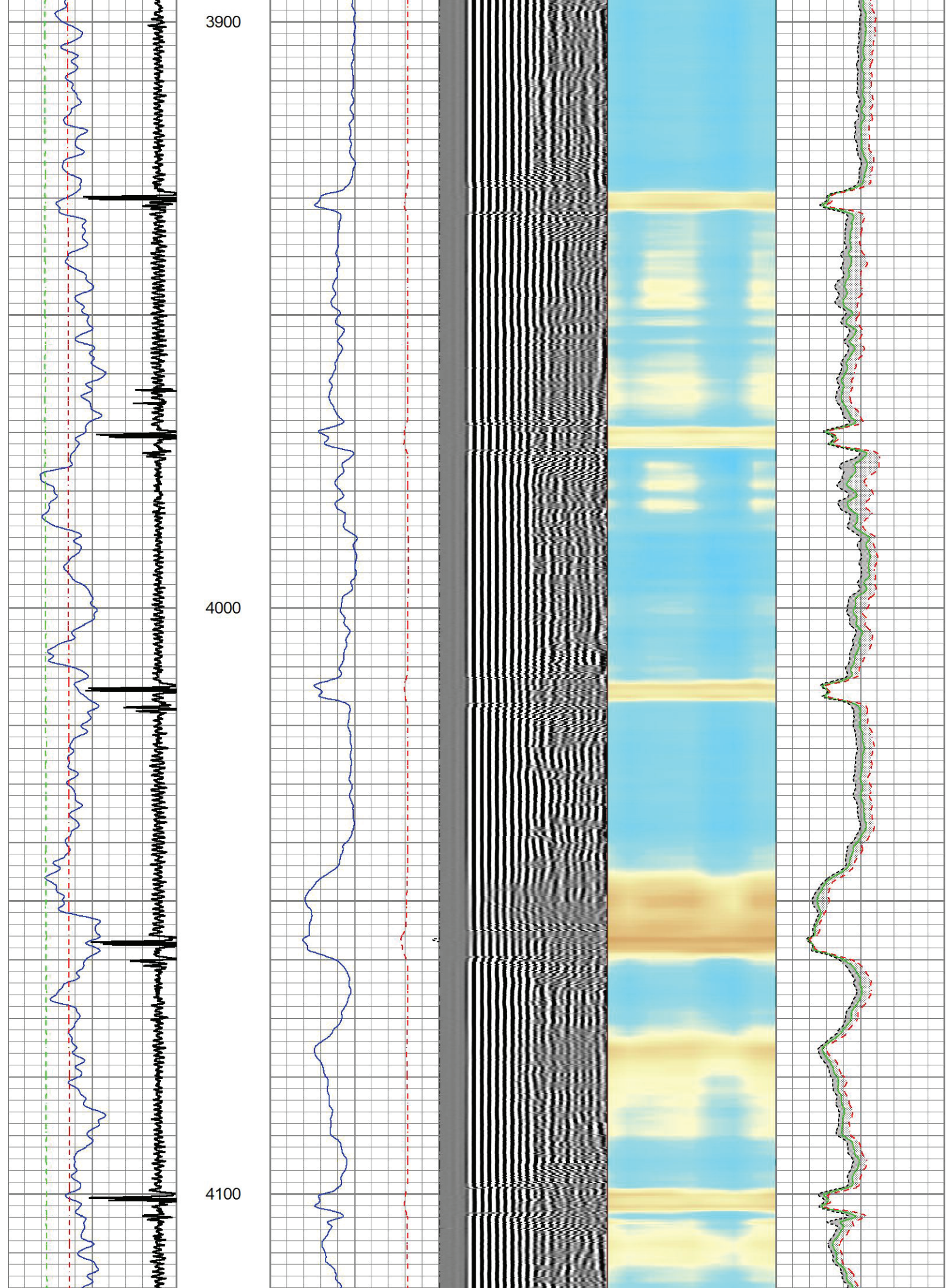


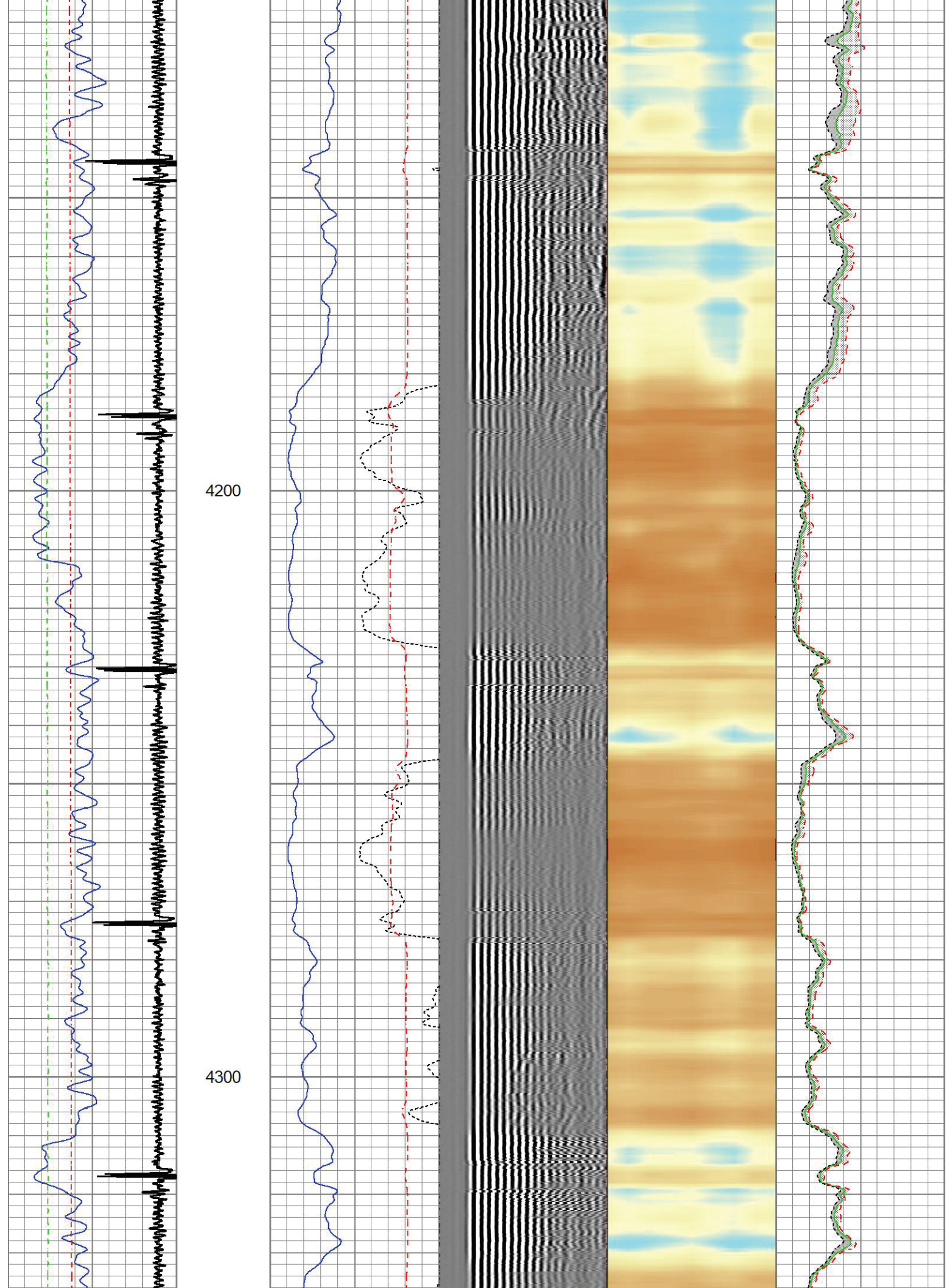






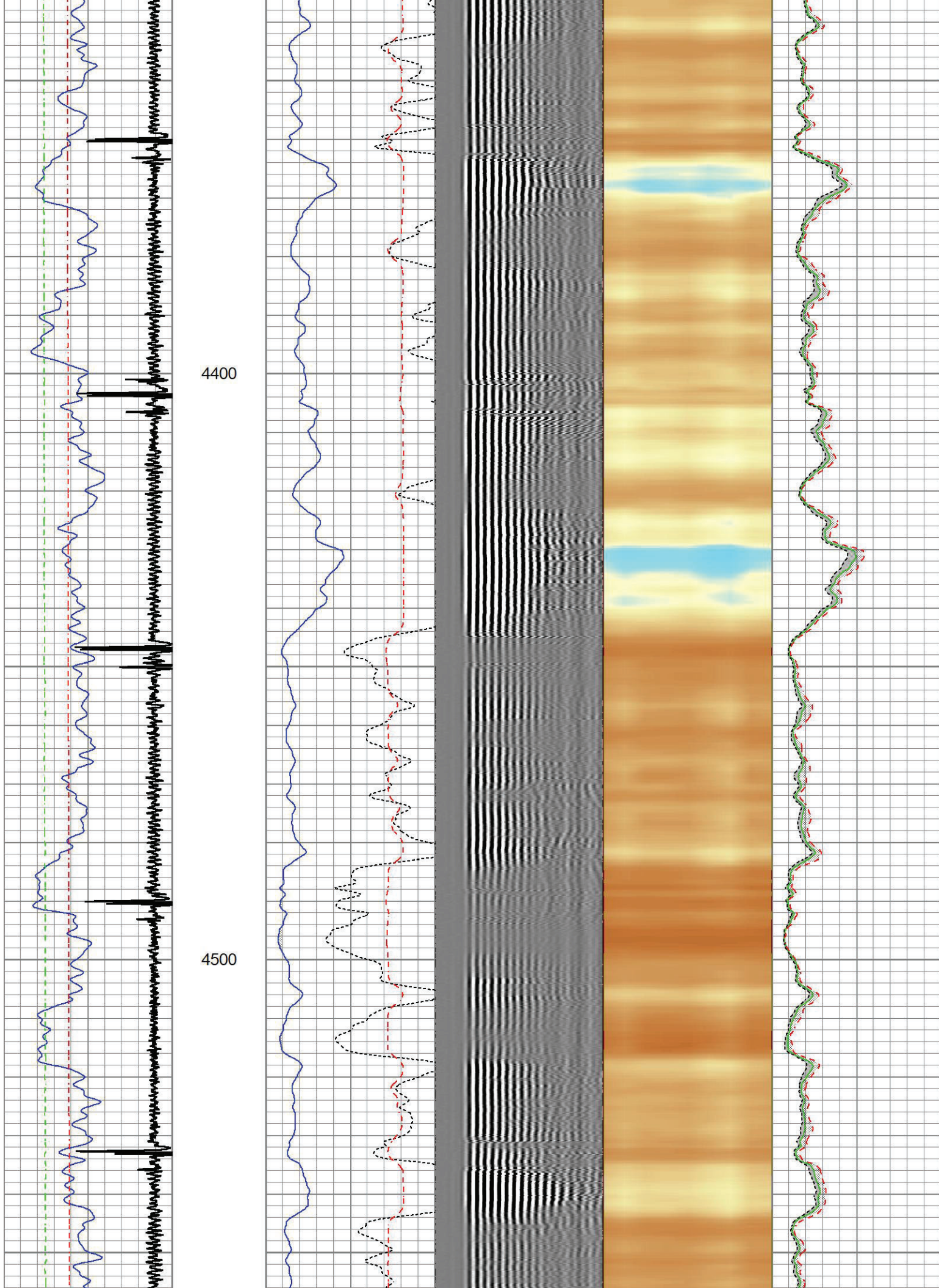






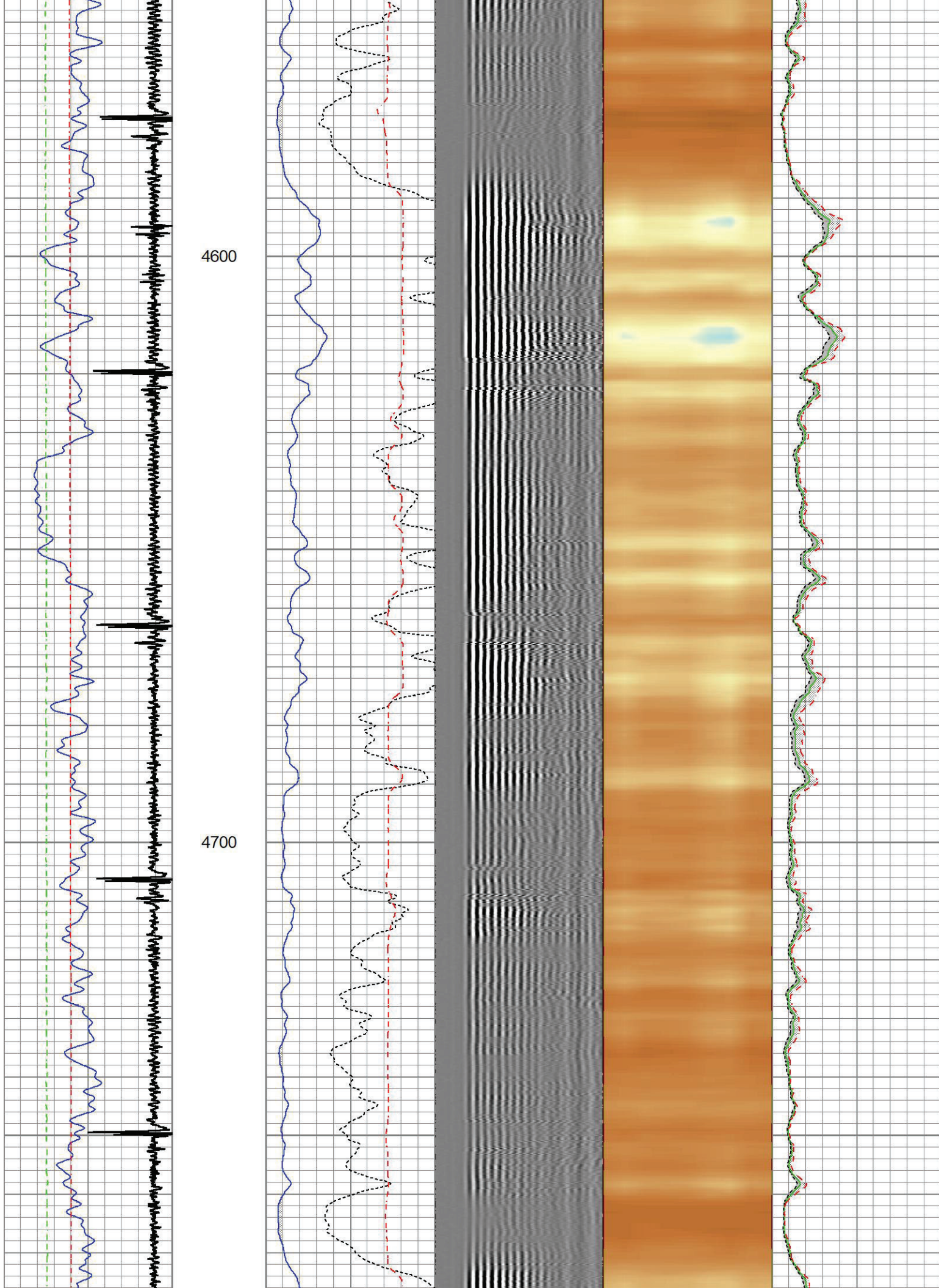
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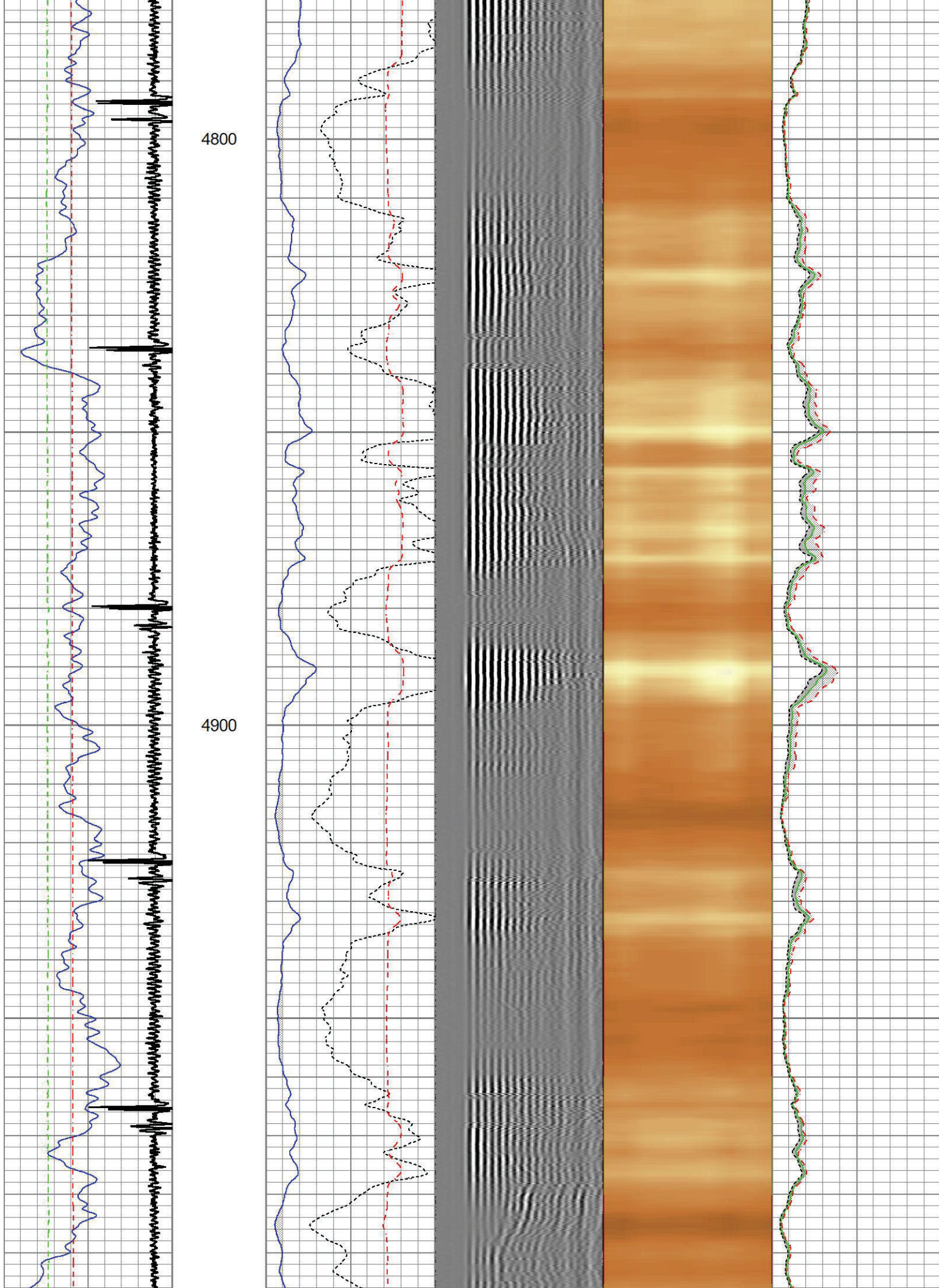
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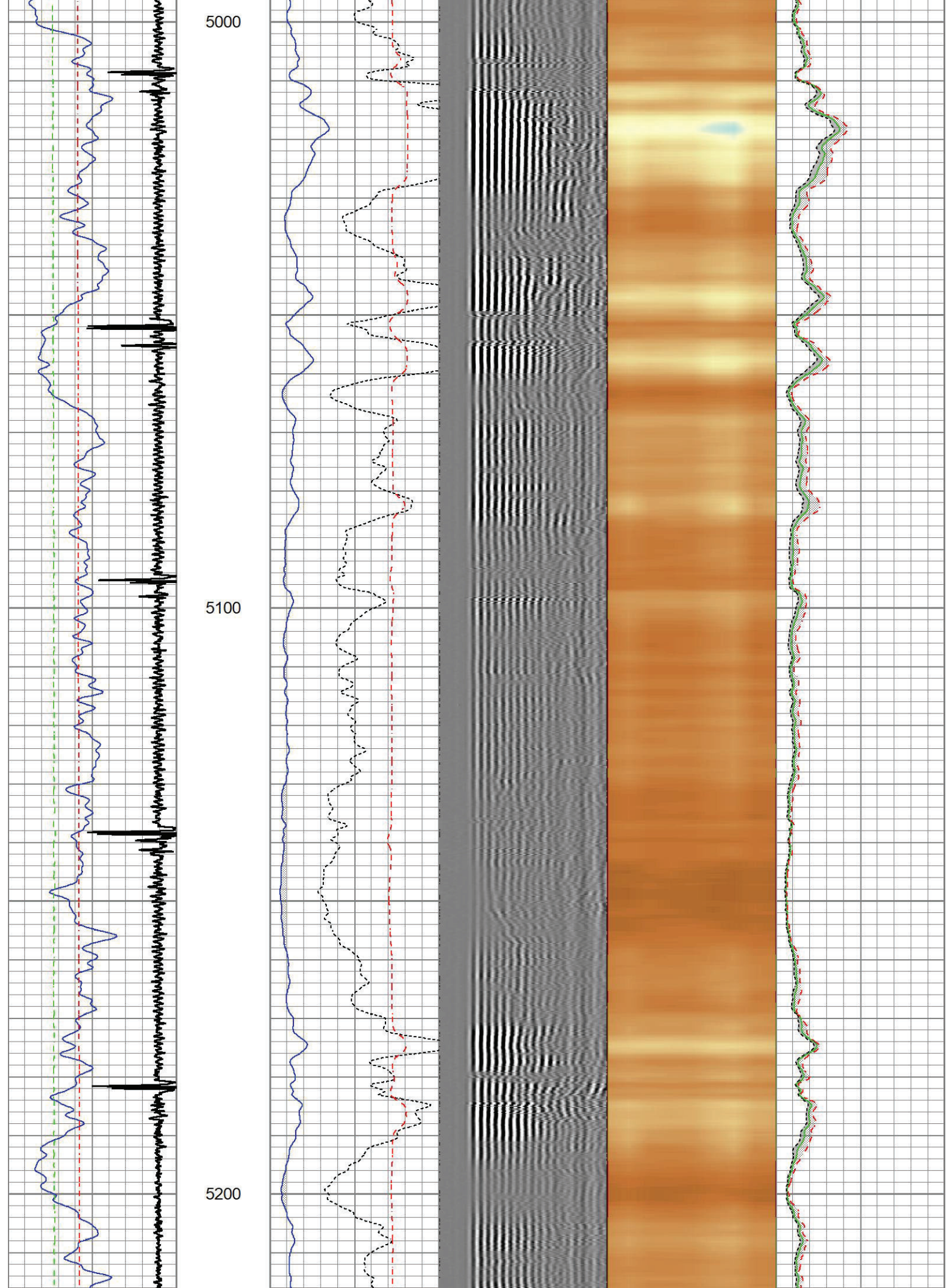
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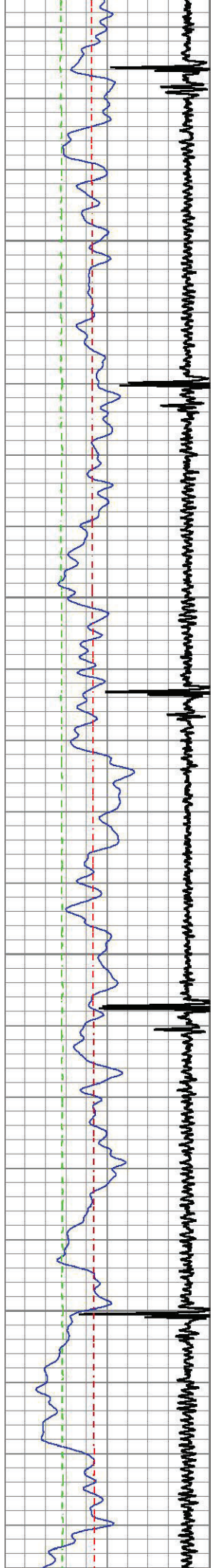


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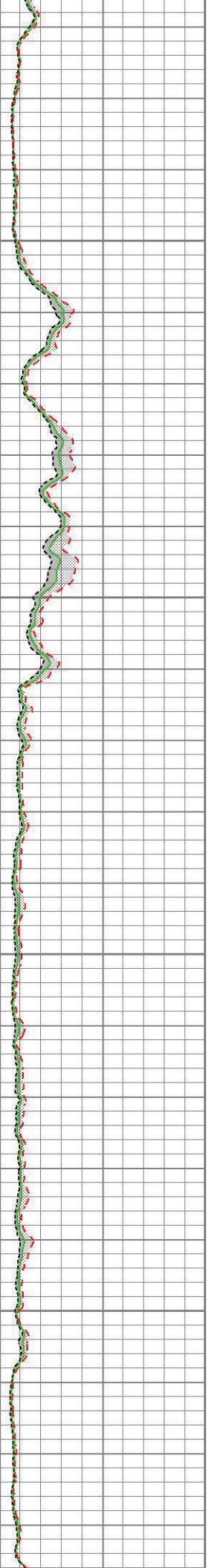
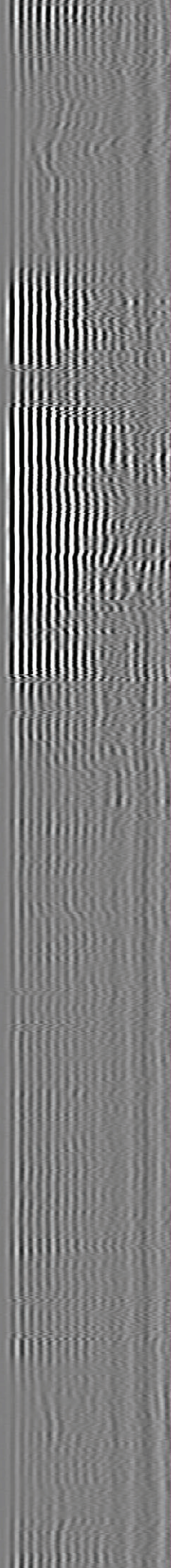
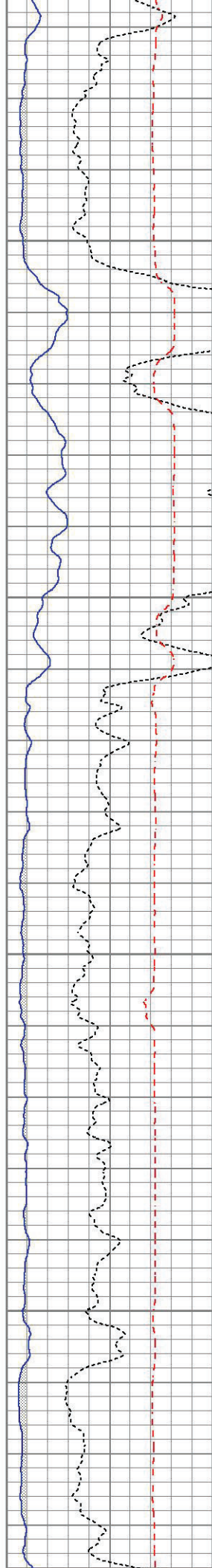


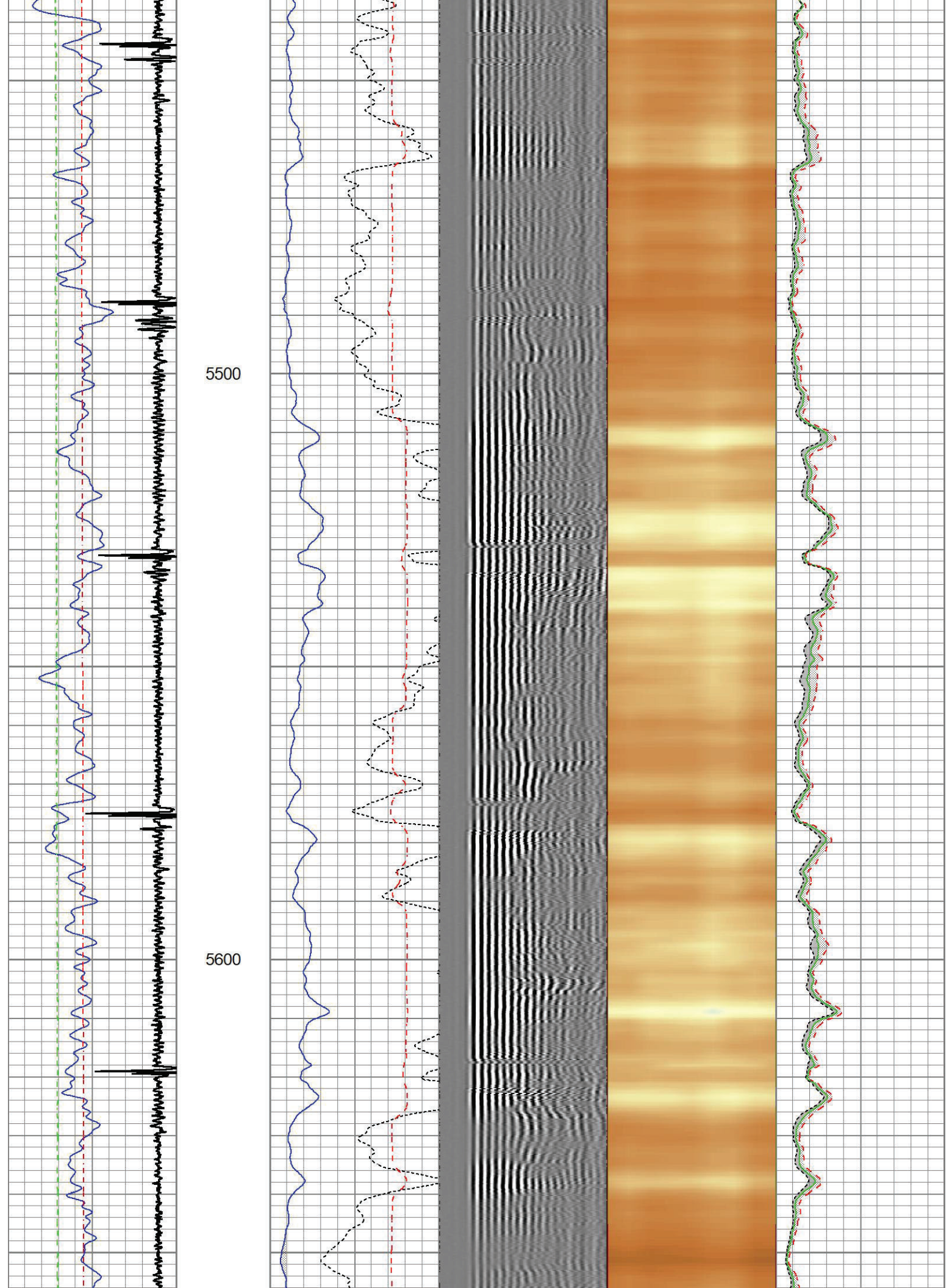




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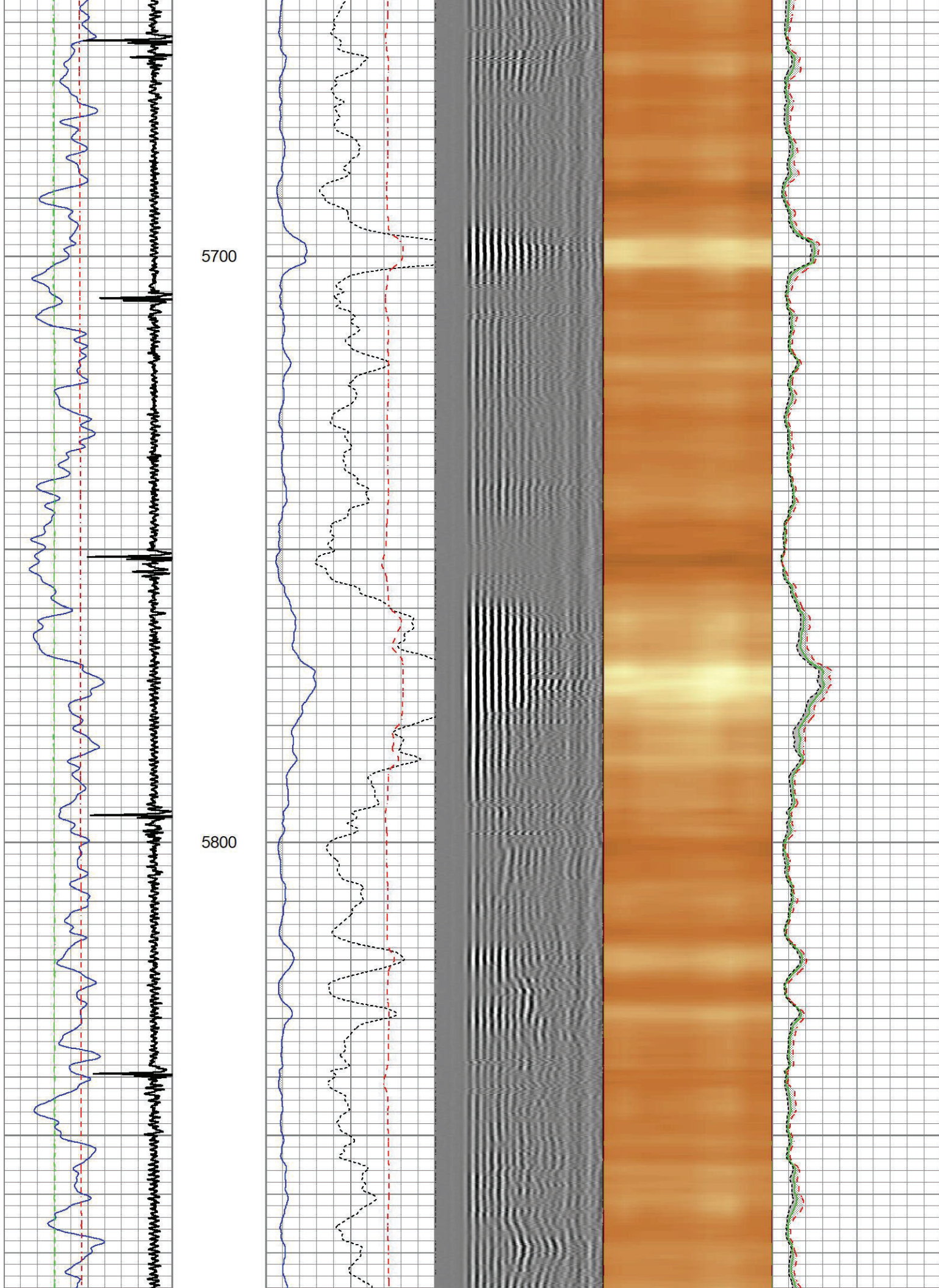
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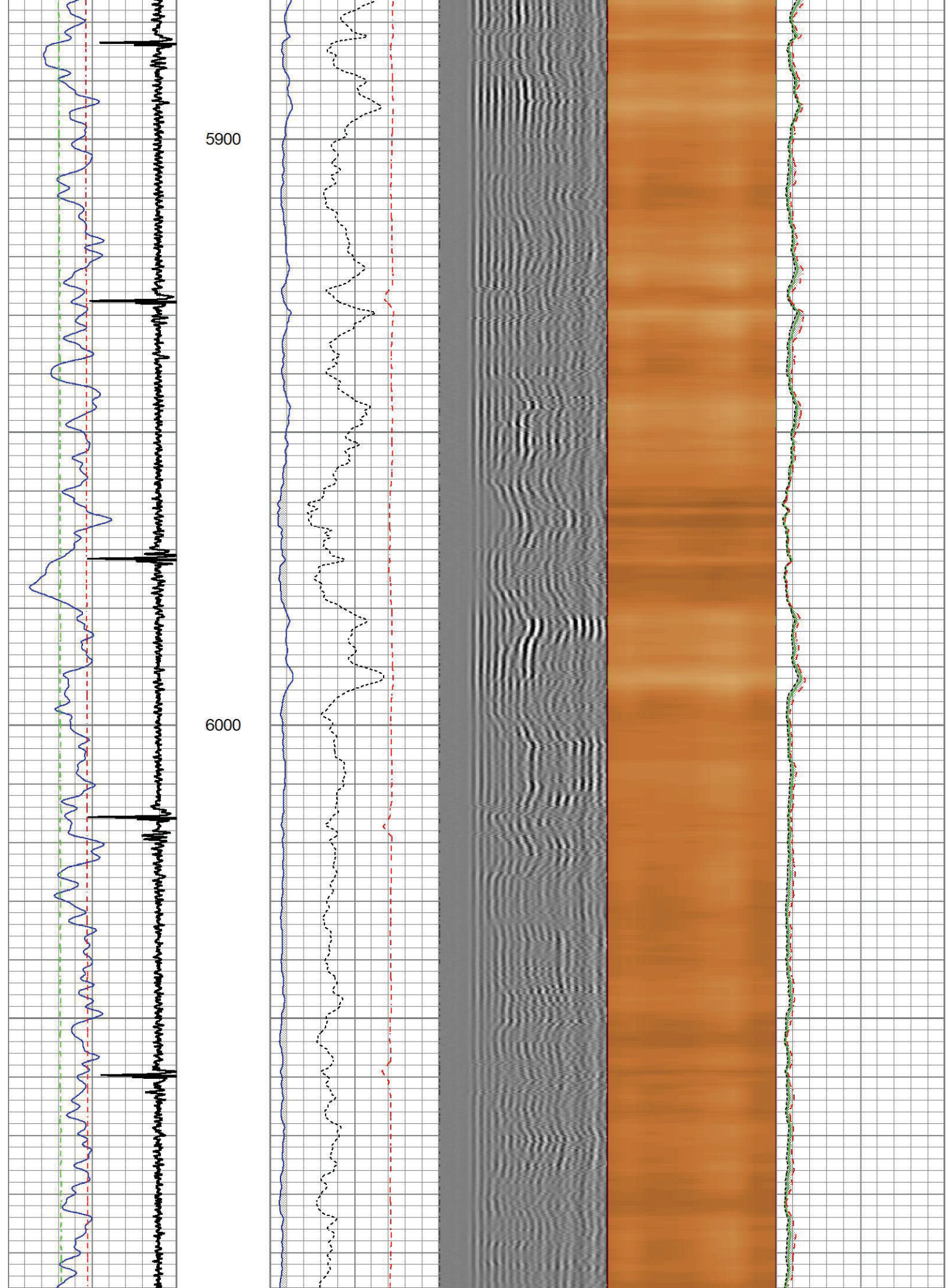




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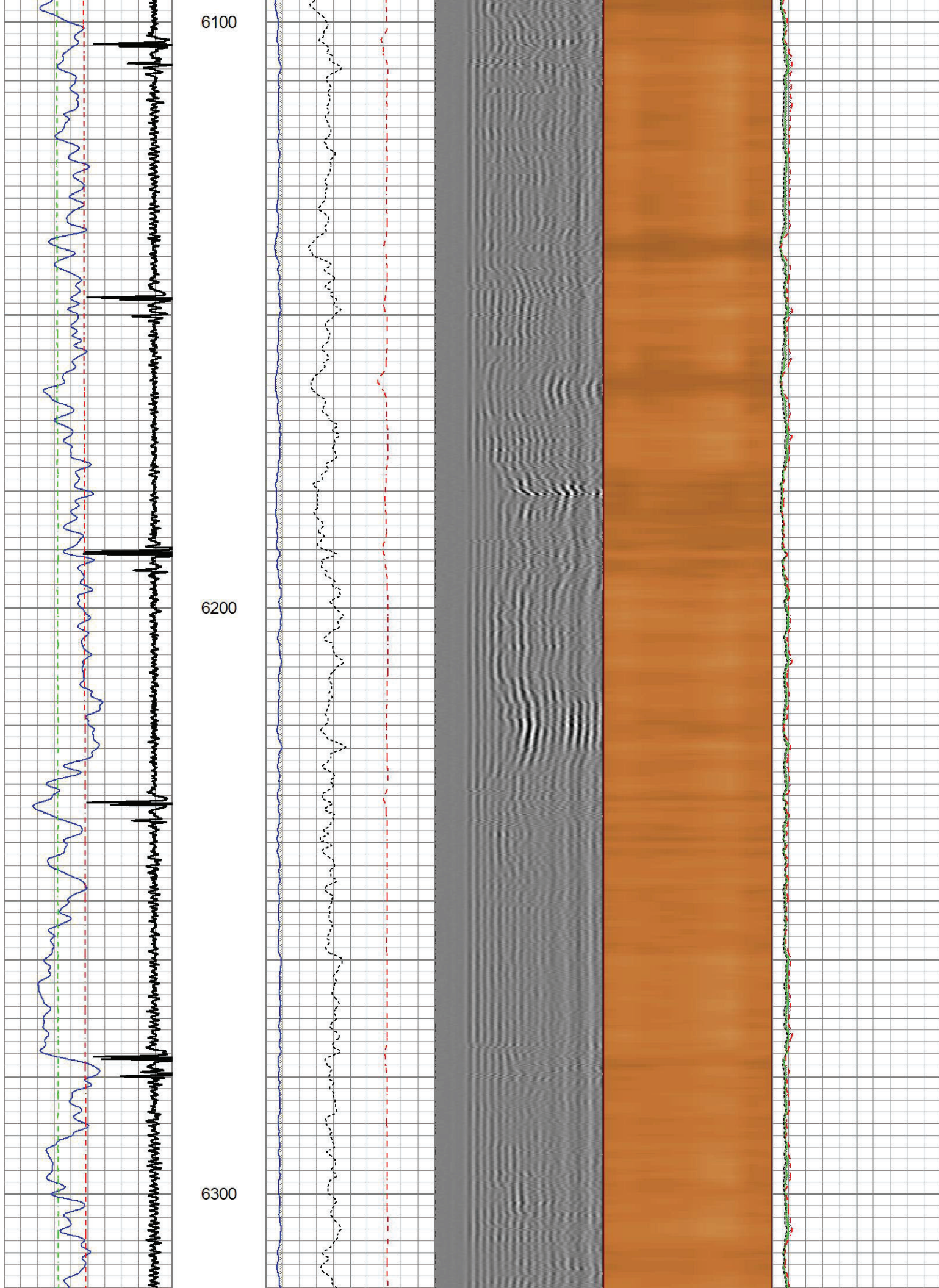


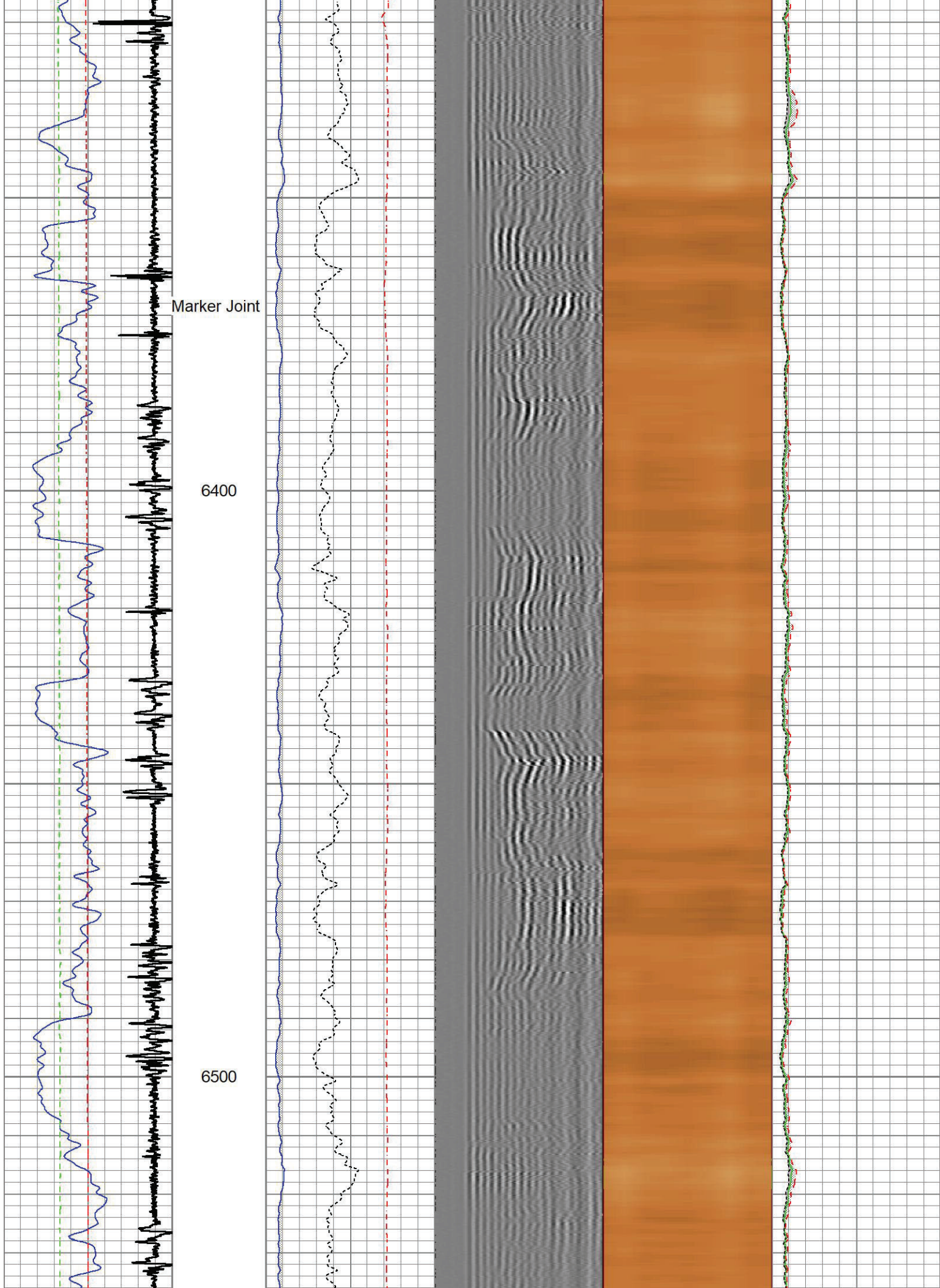


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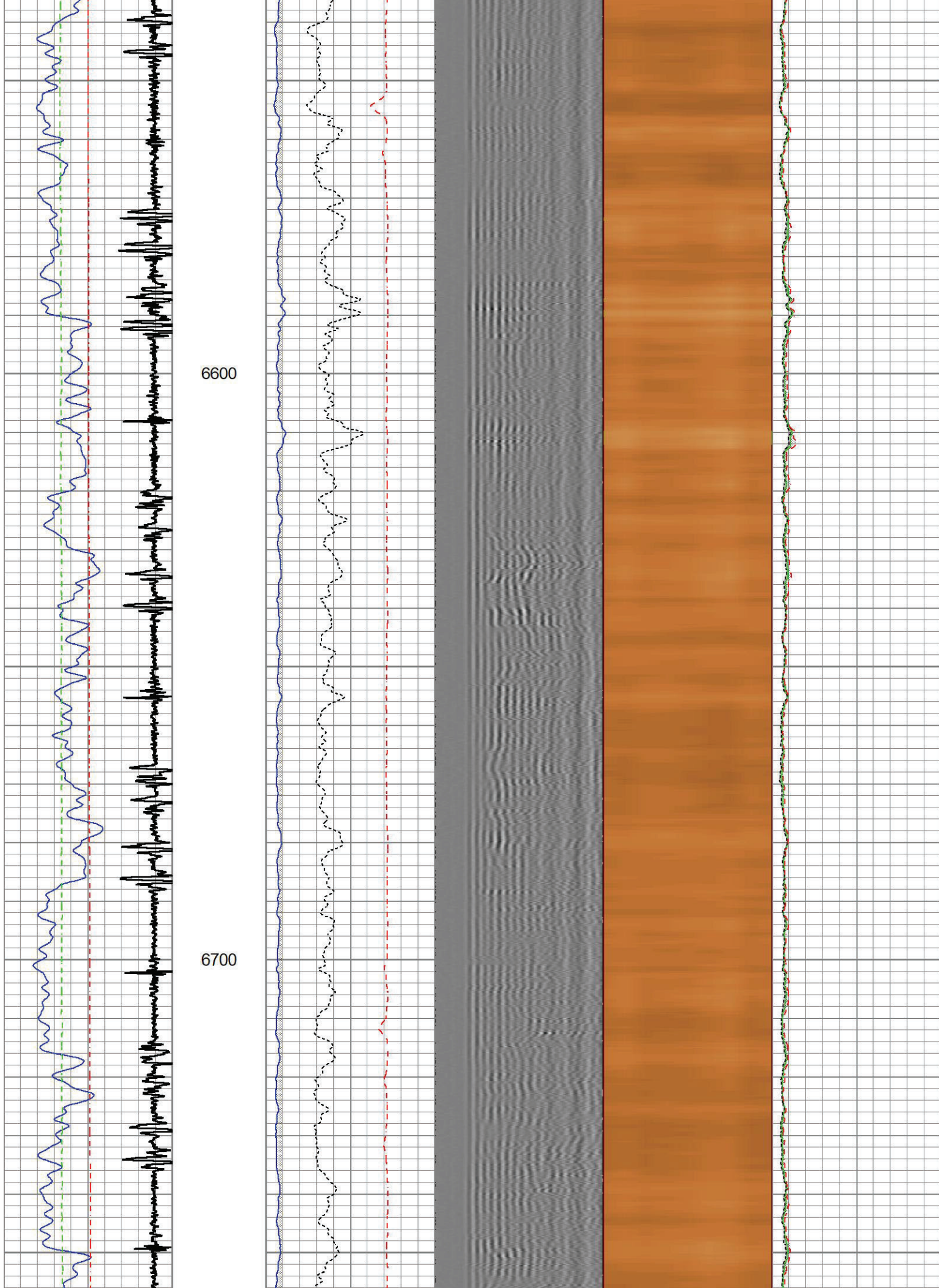
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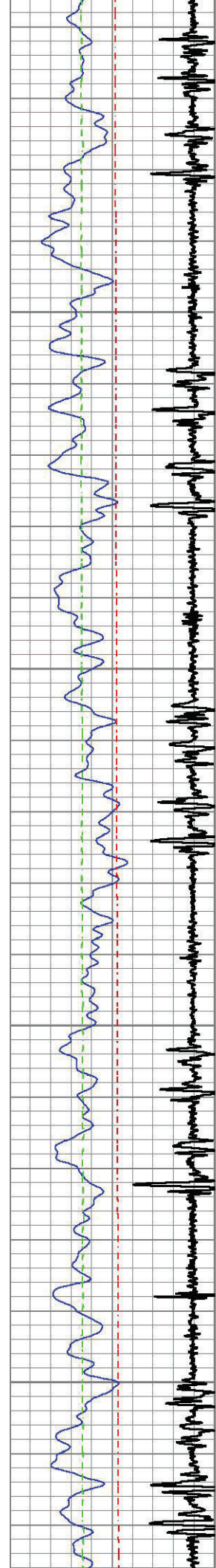




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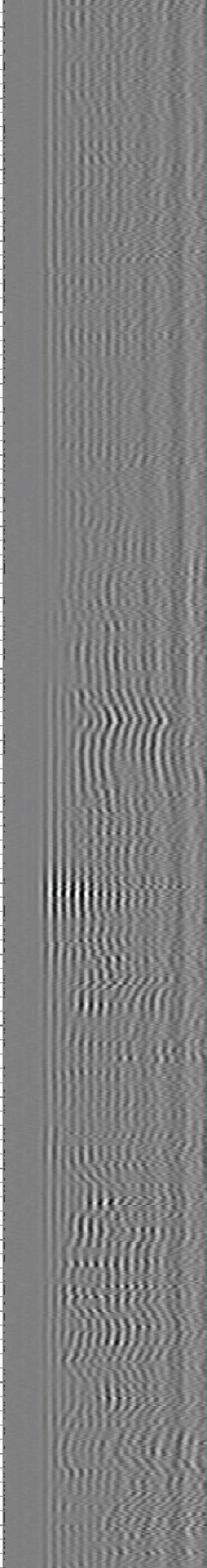
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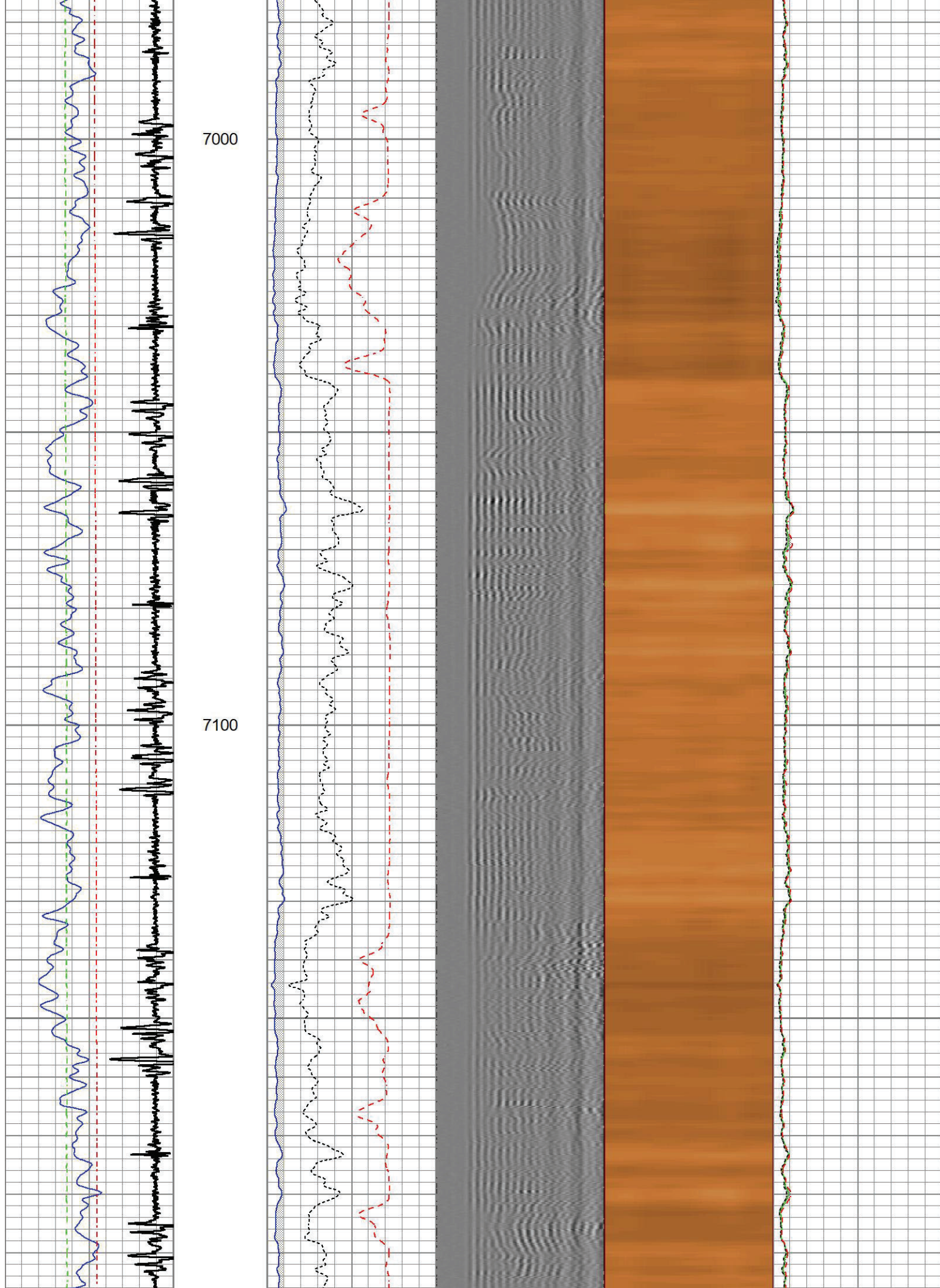
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6900



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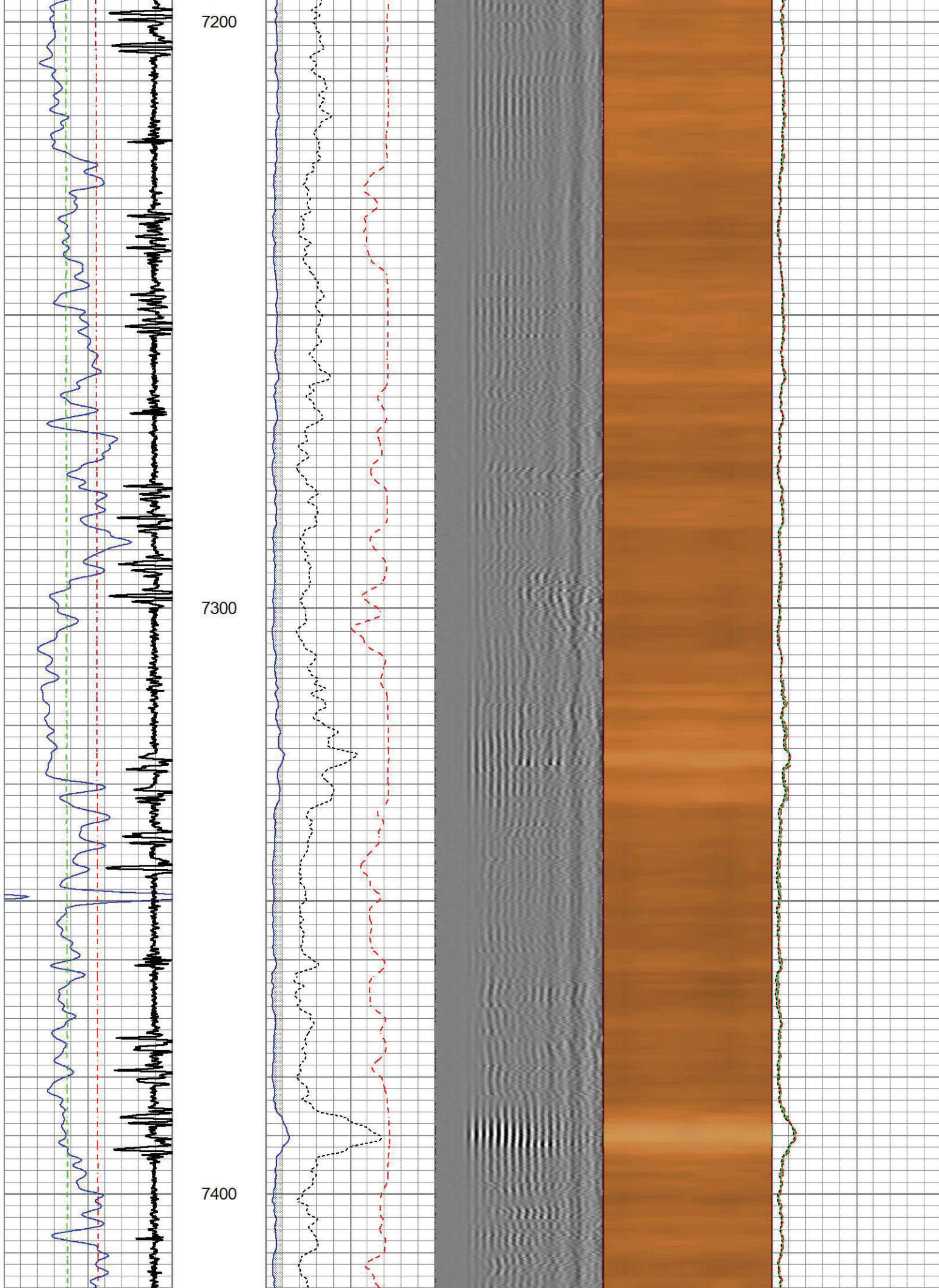
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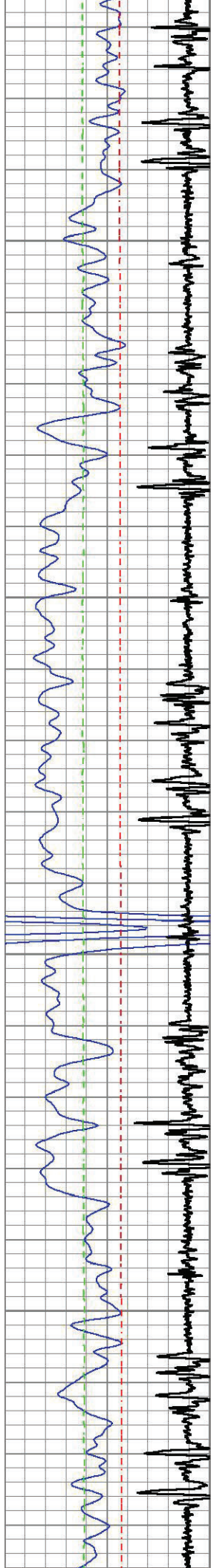


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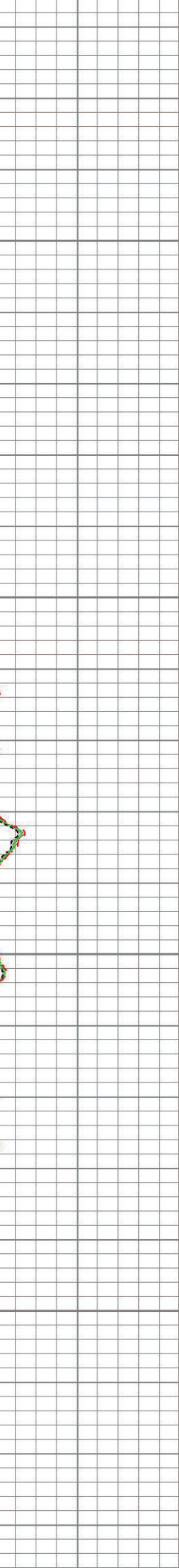
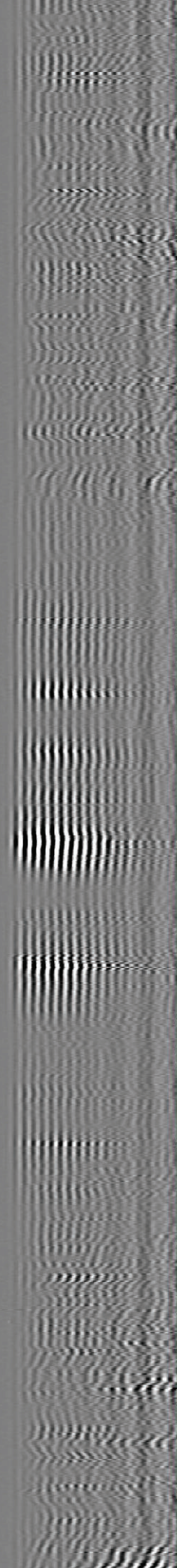
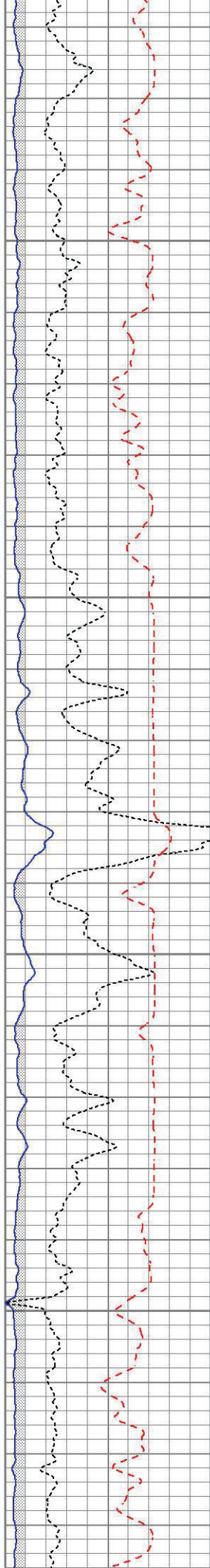
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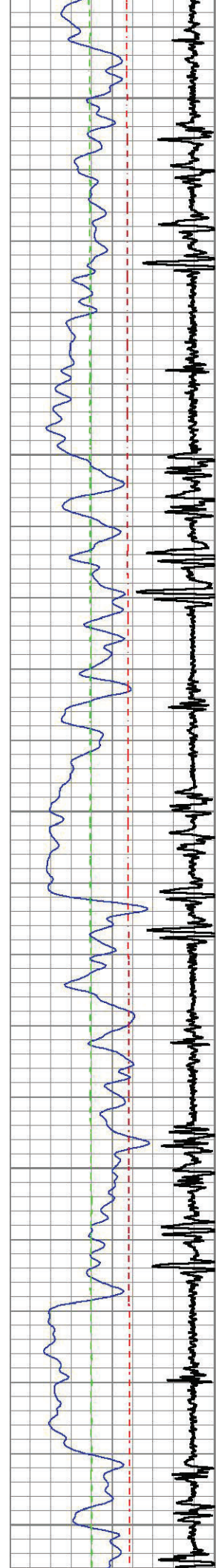




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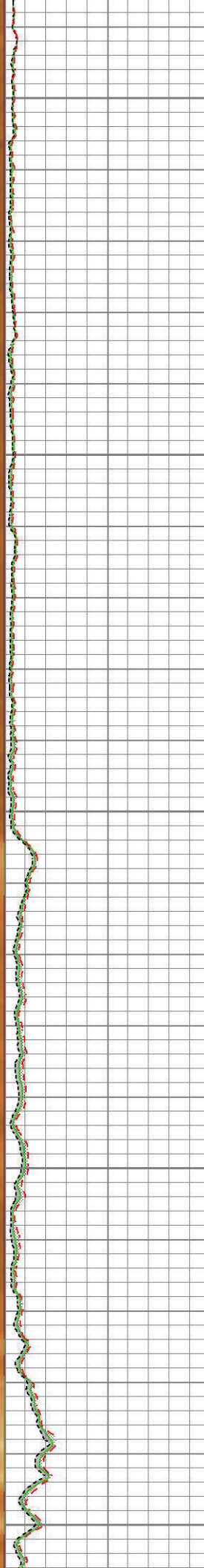
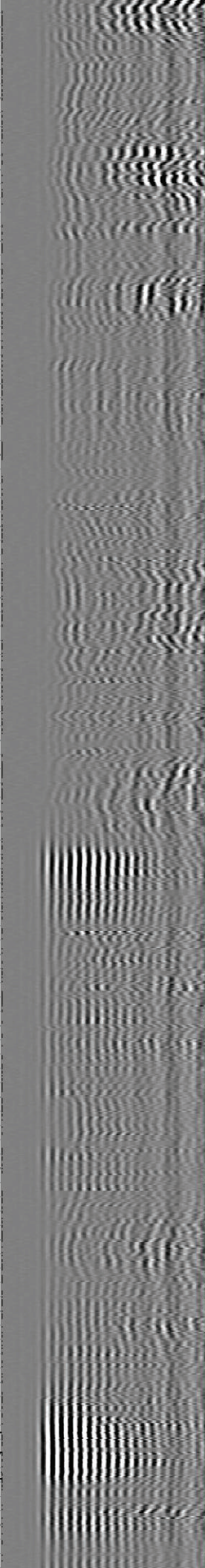
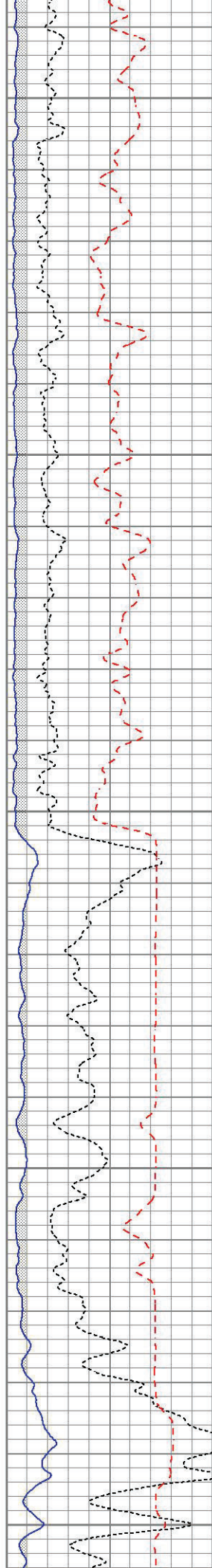
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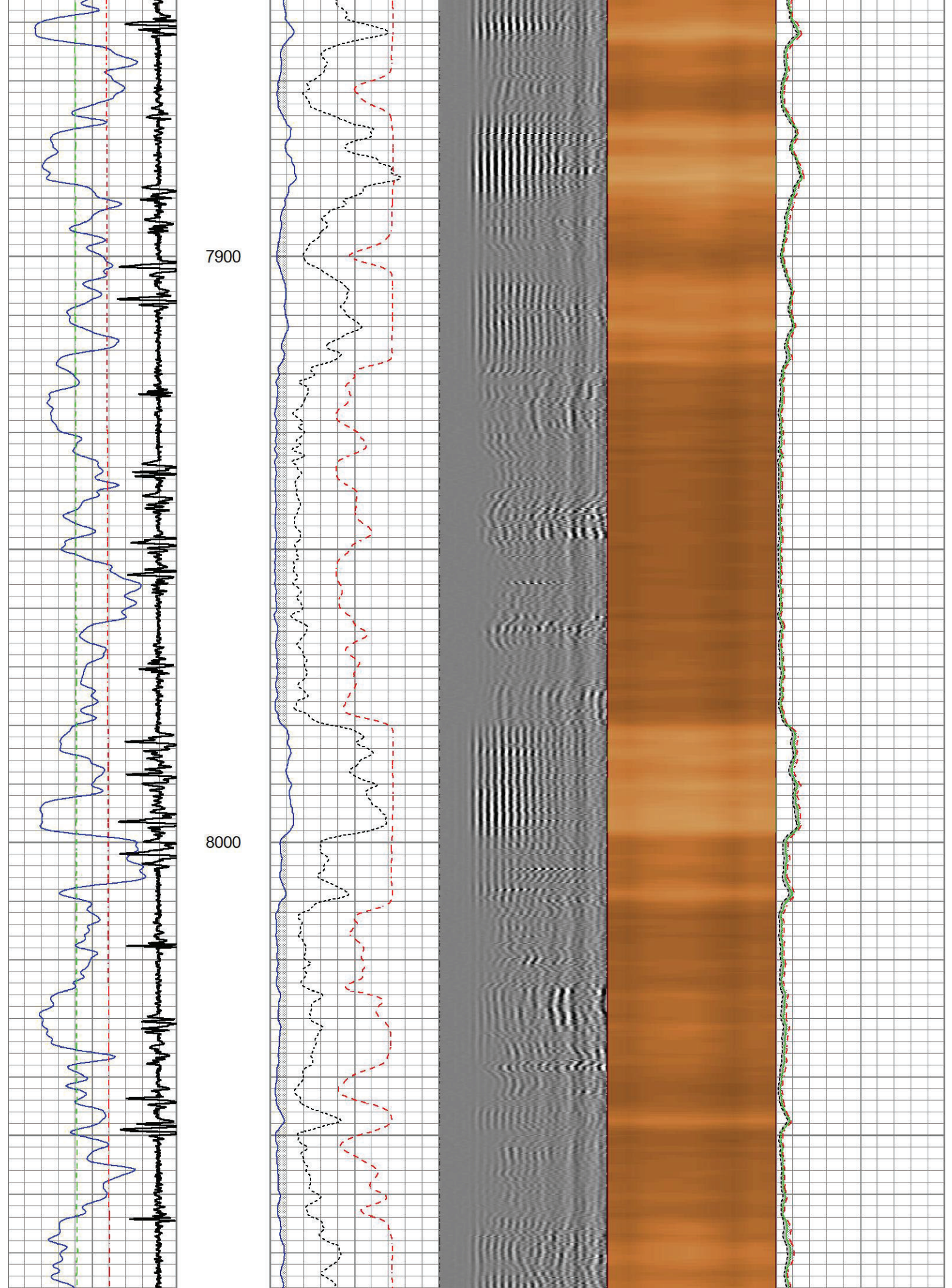




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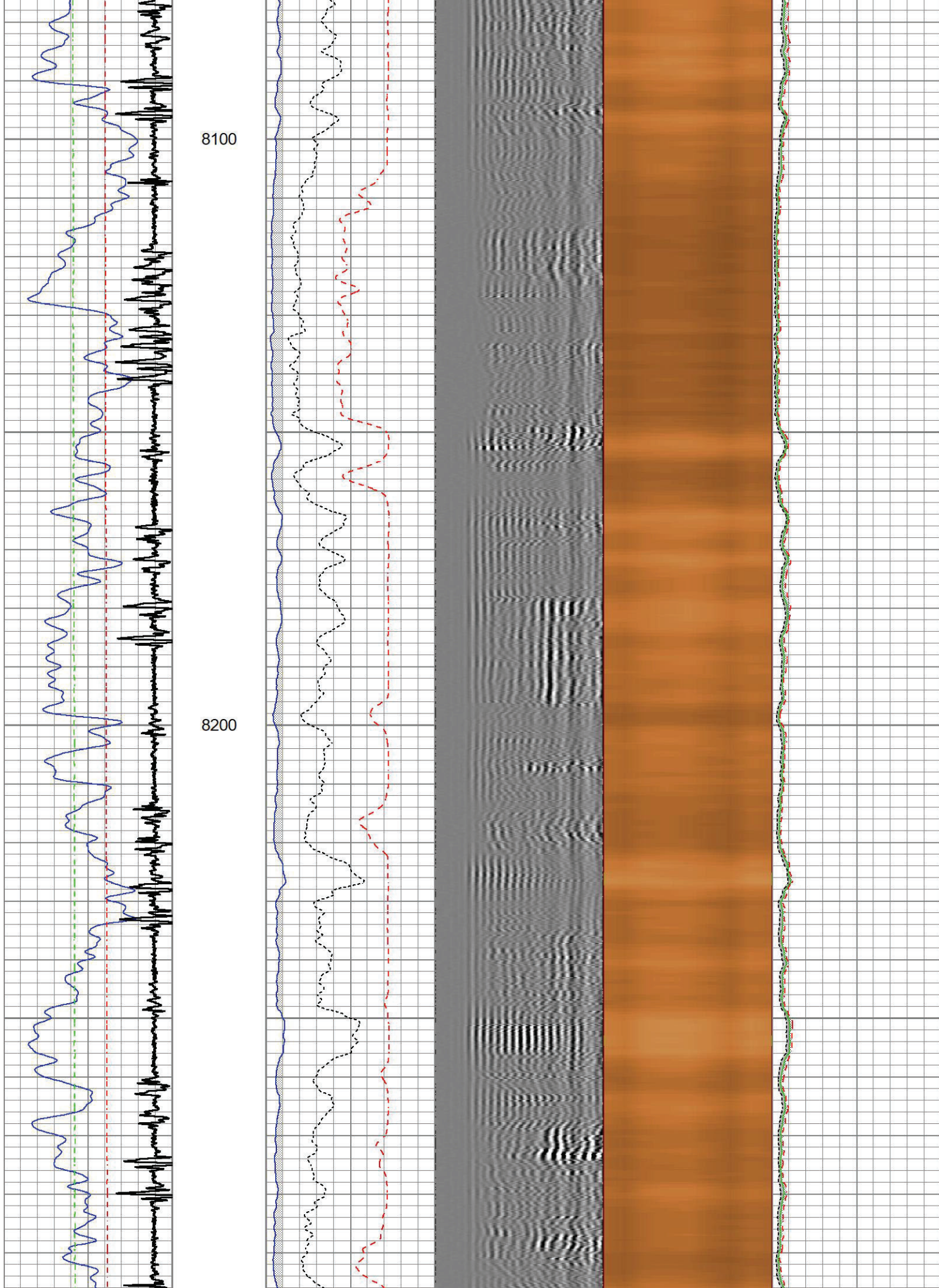
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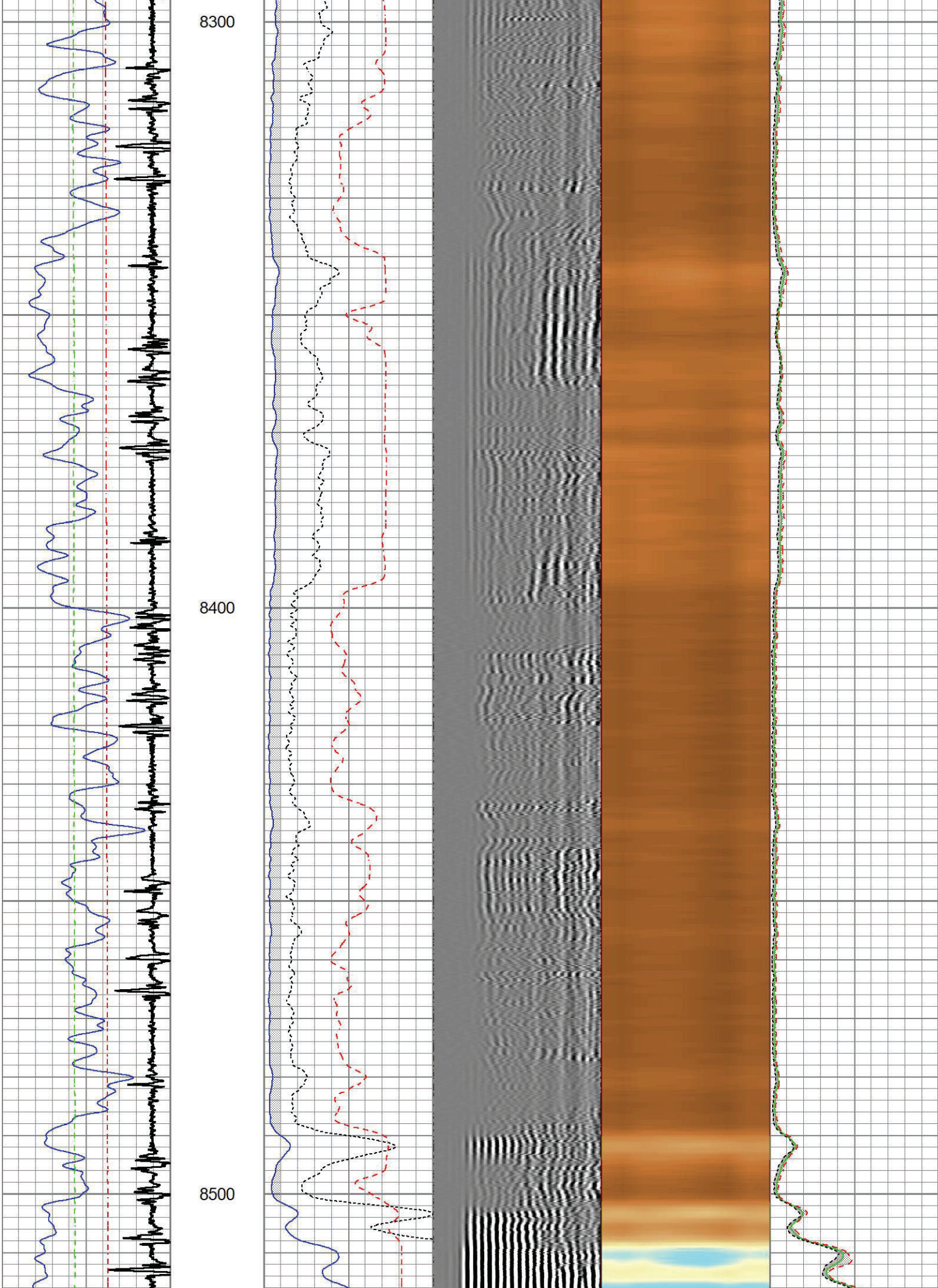
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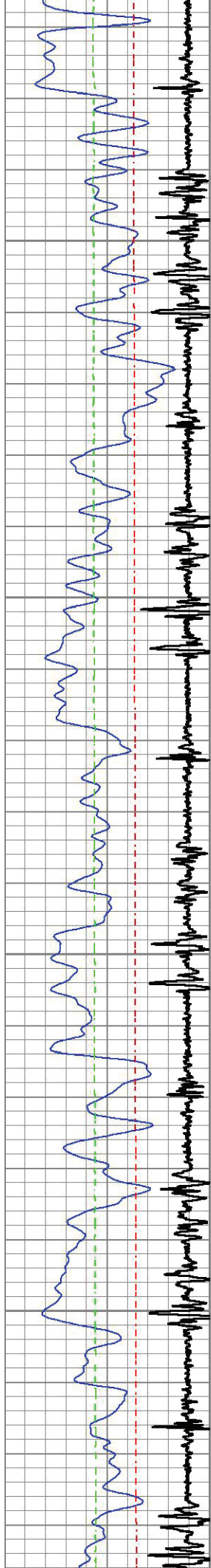


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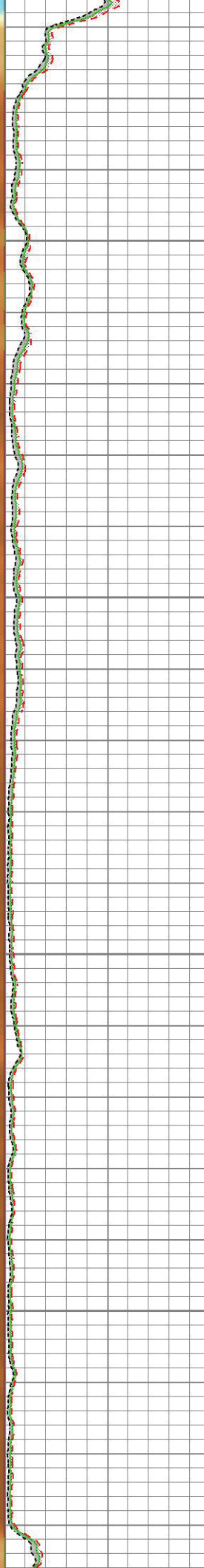
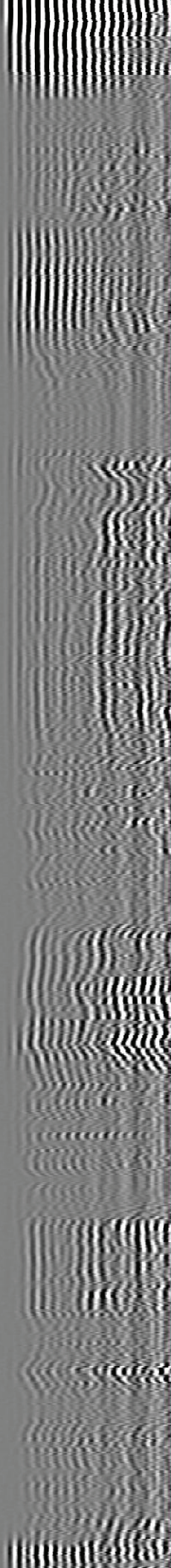
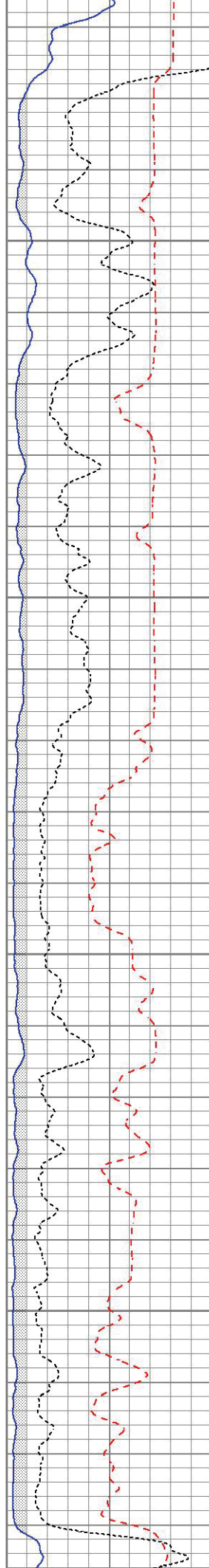
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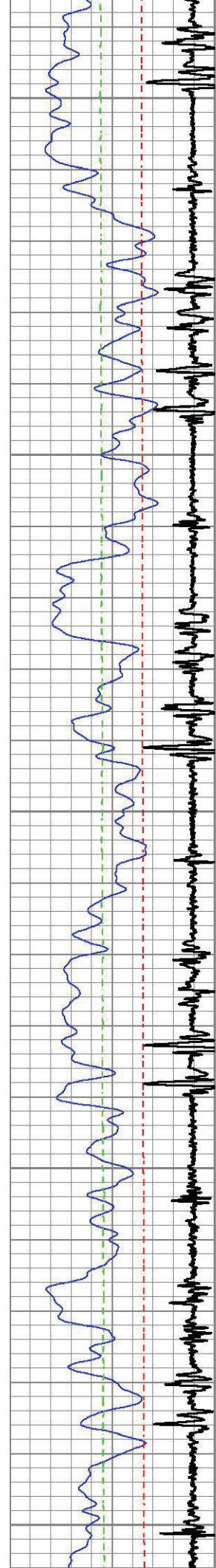




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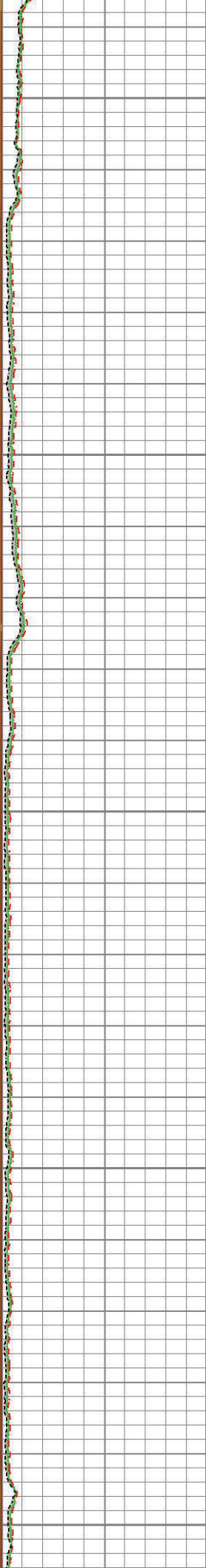
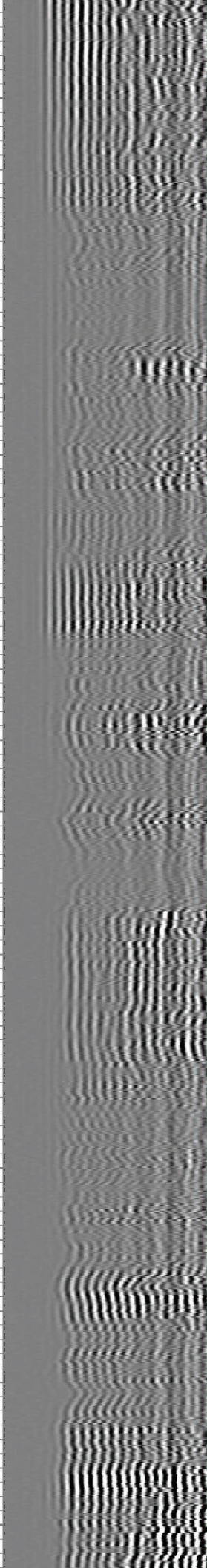
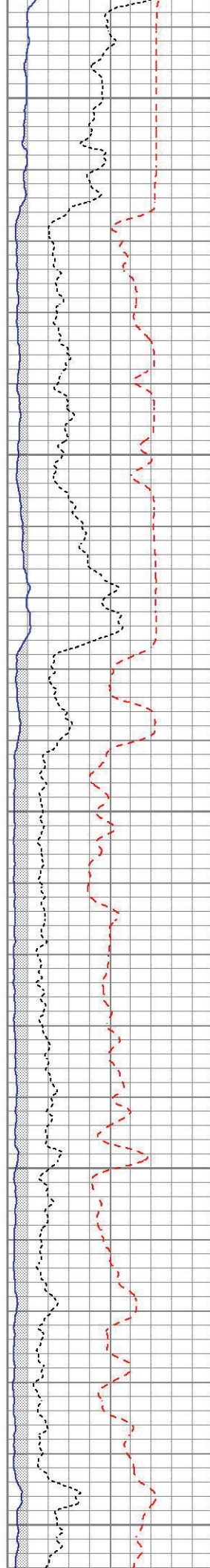
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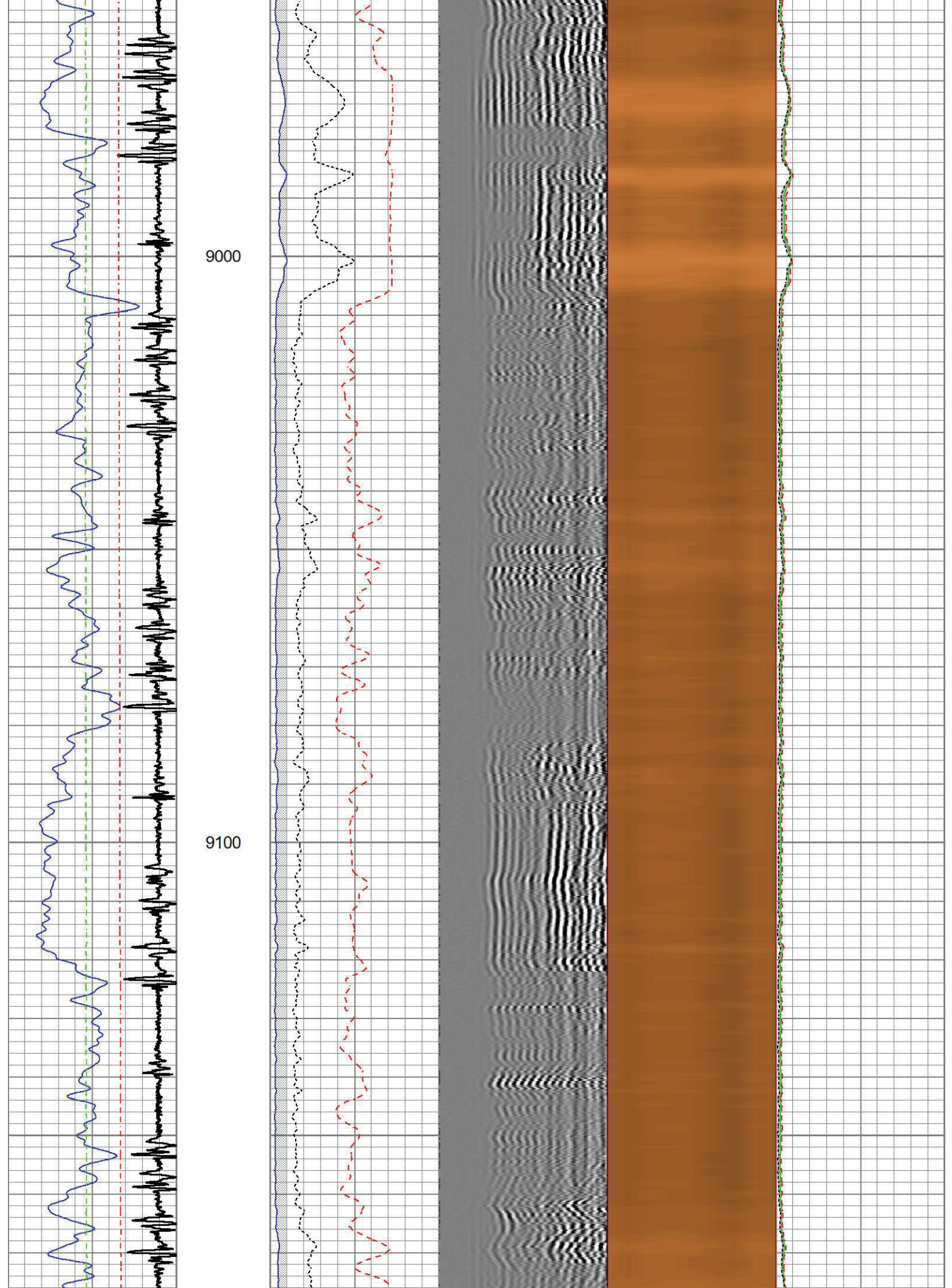




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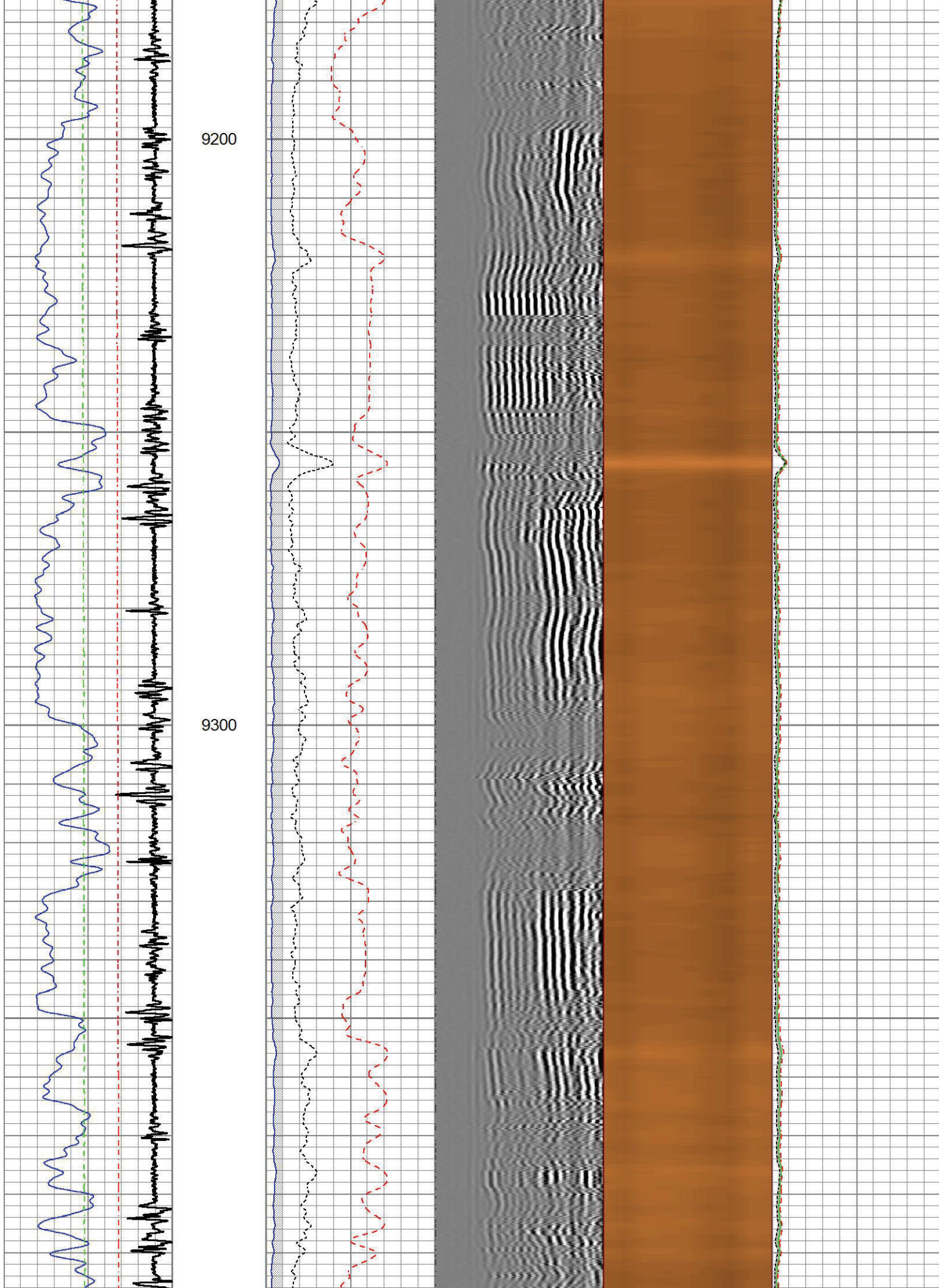
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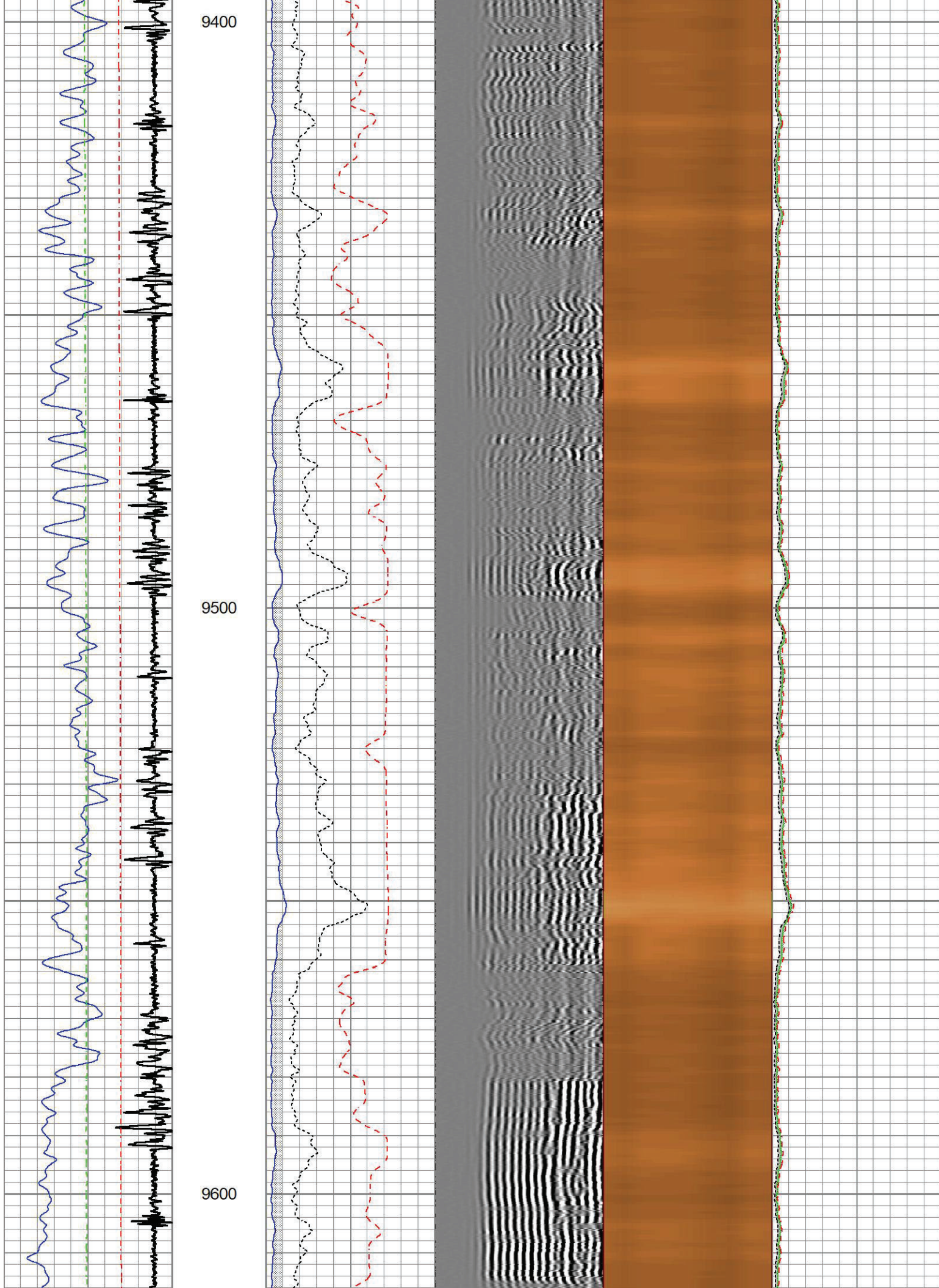
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9400

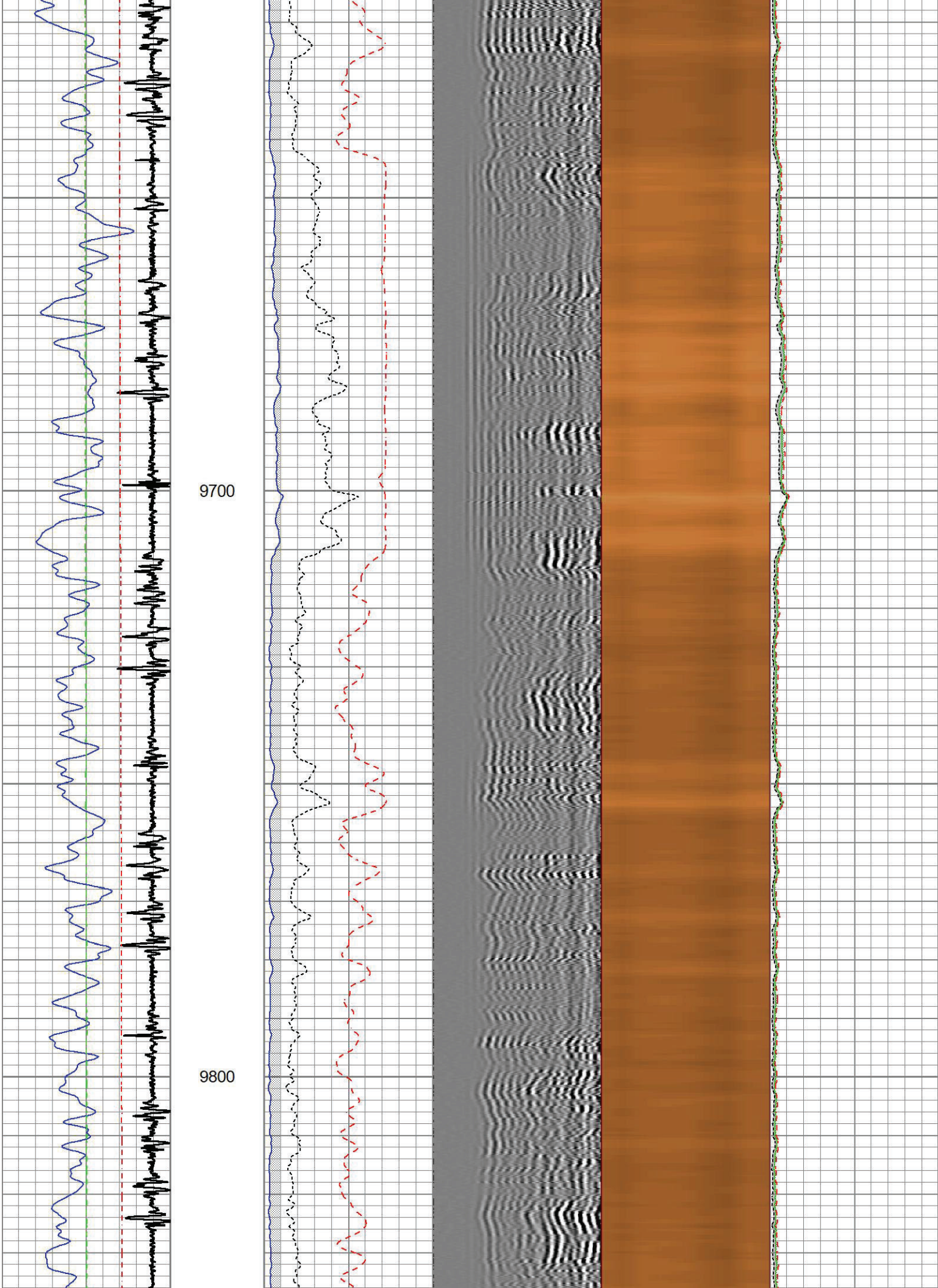
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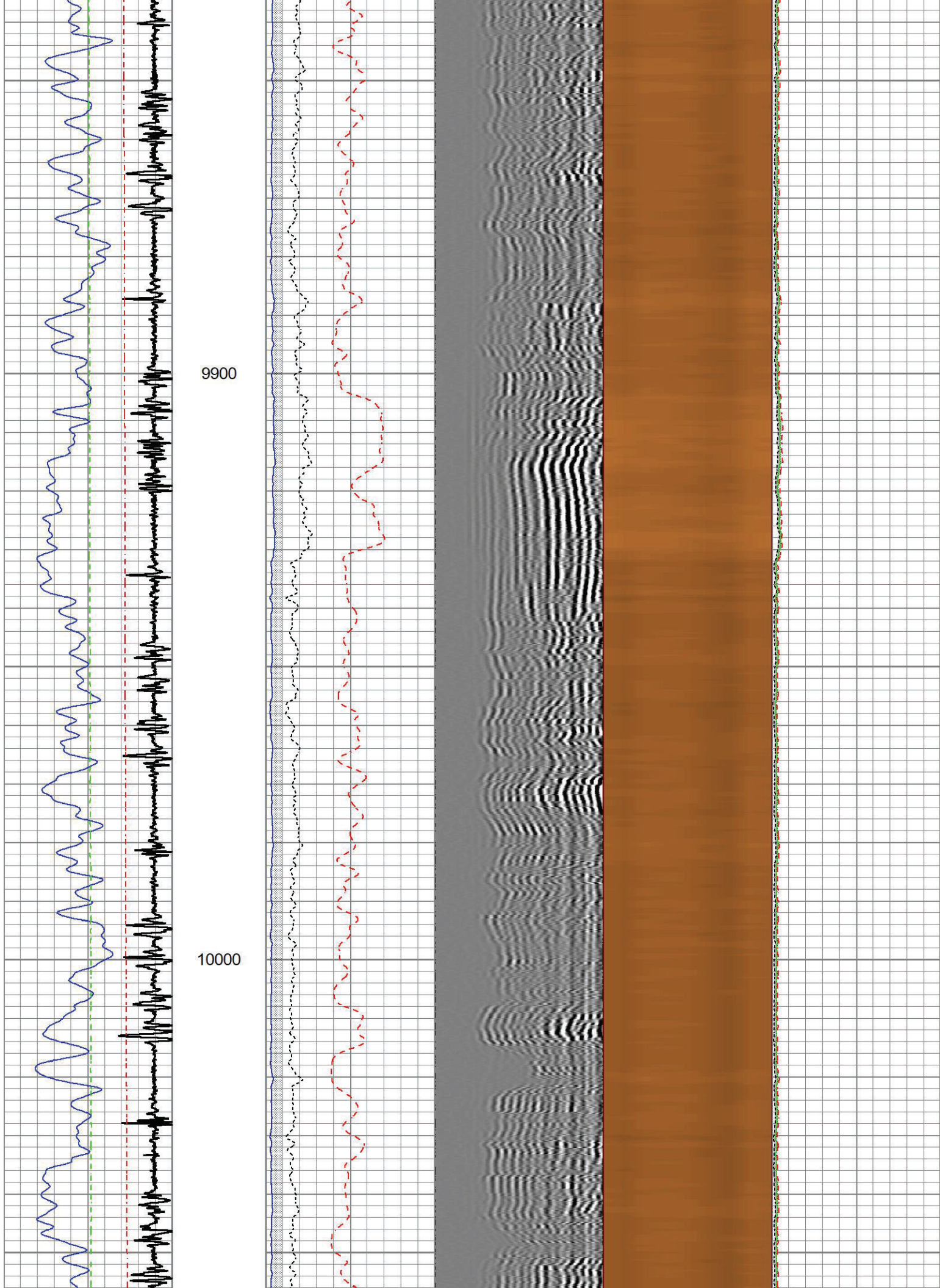
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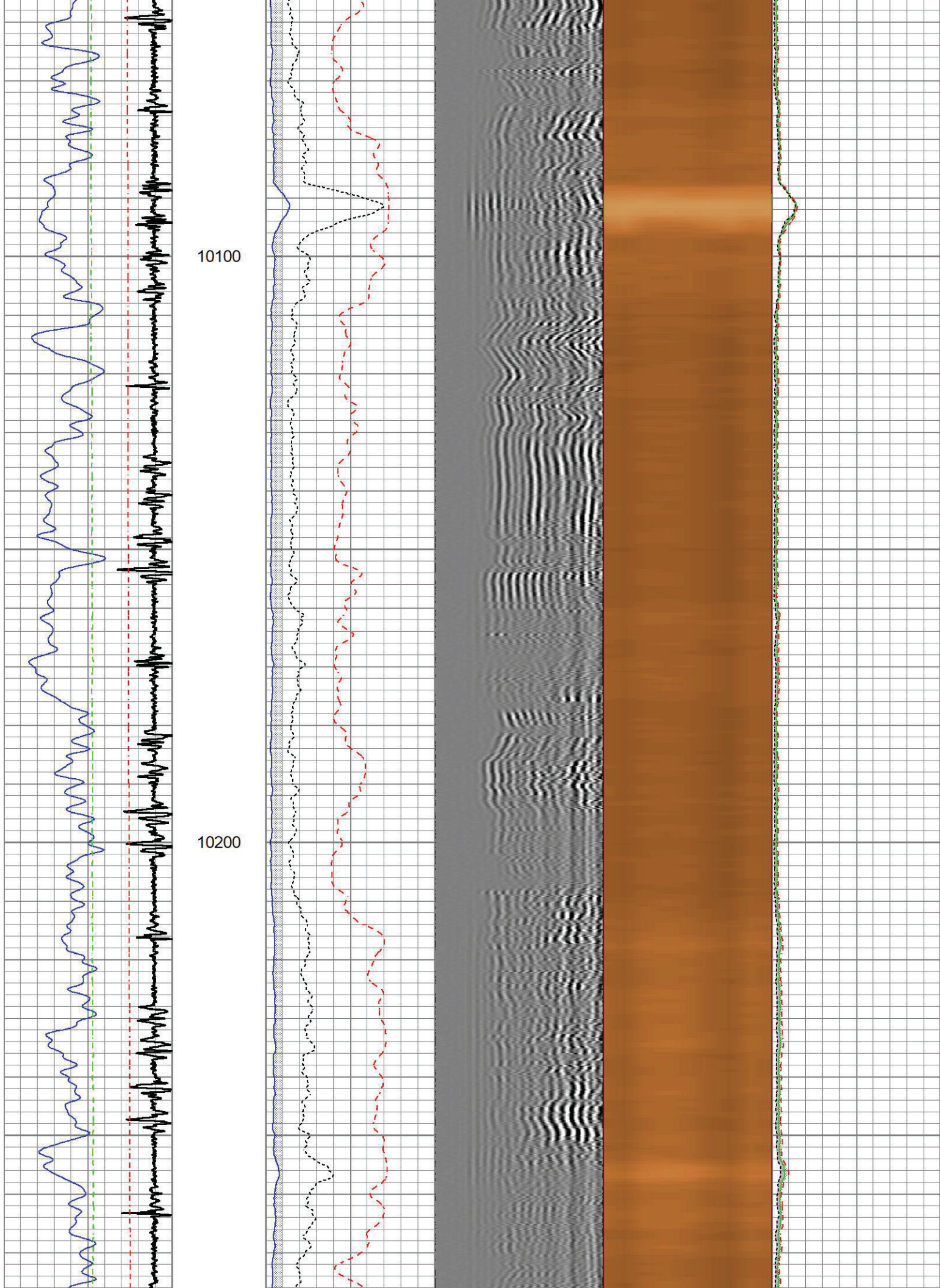


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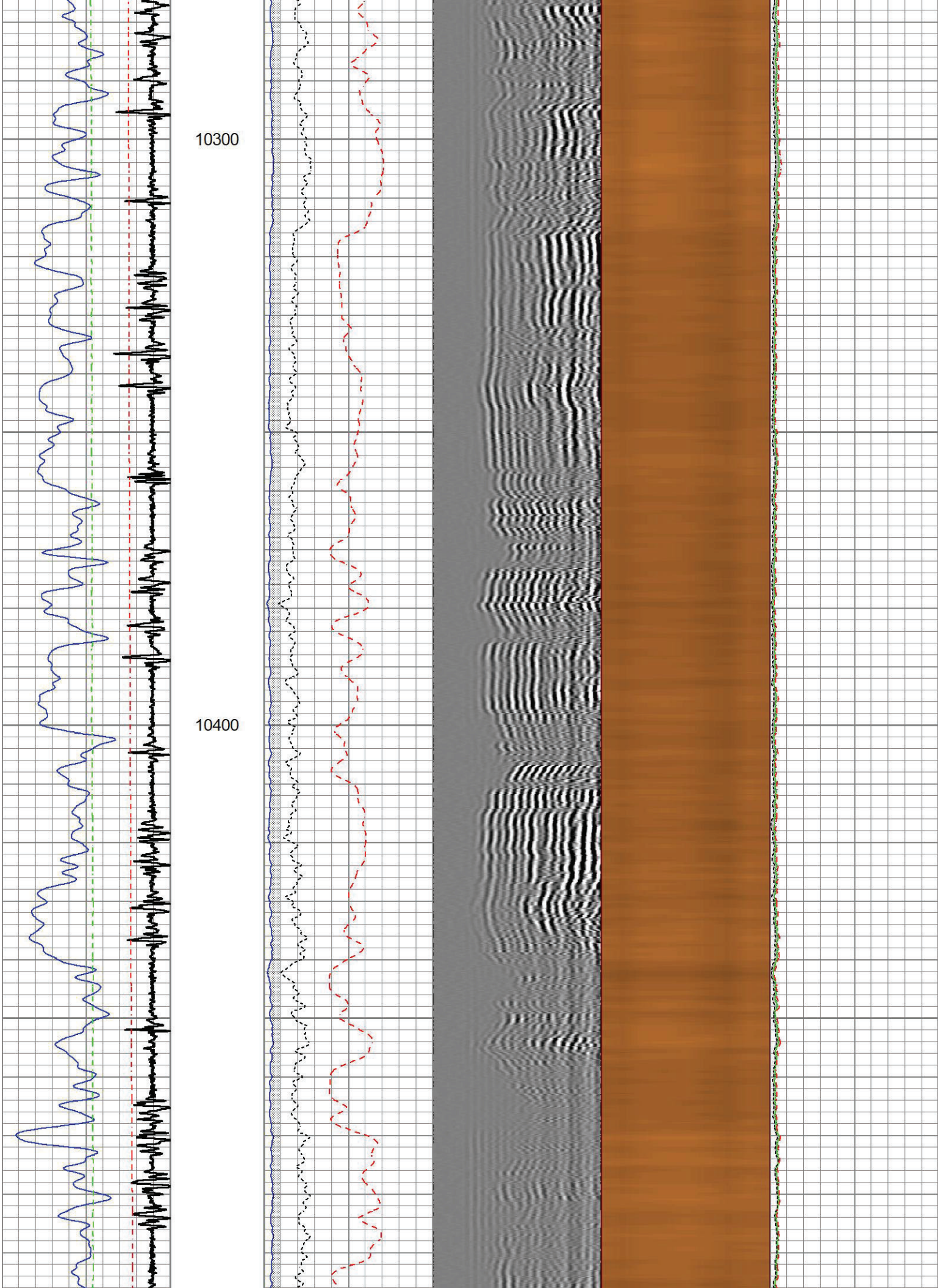






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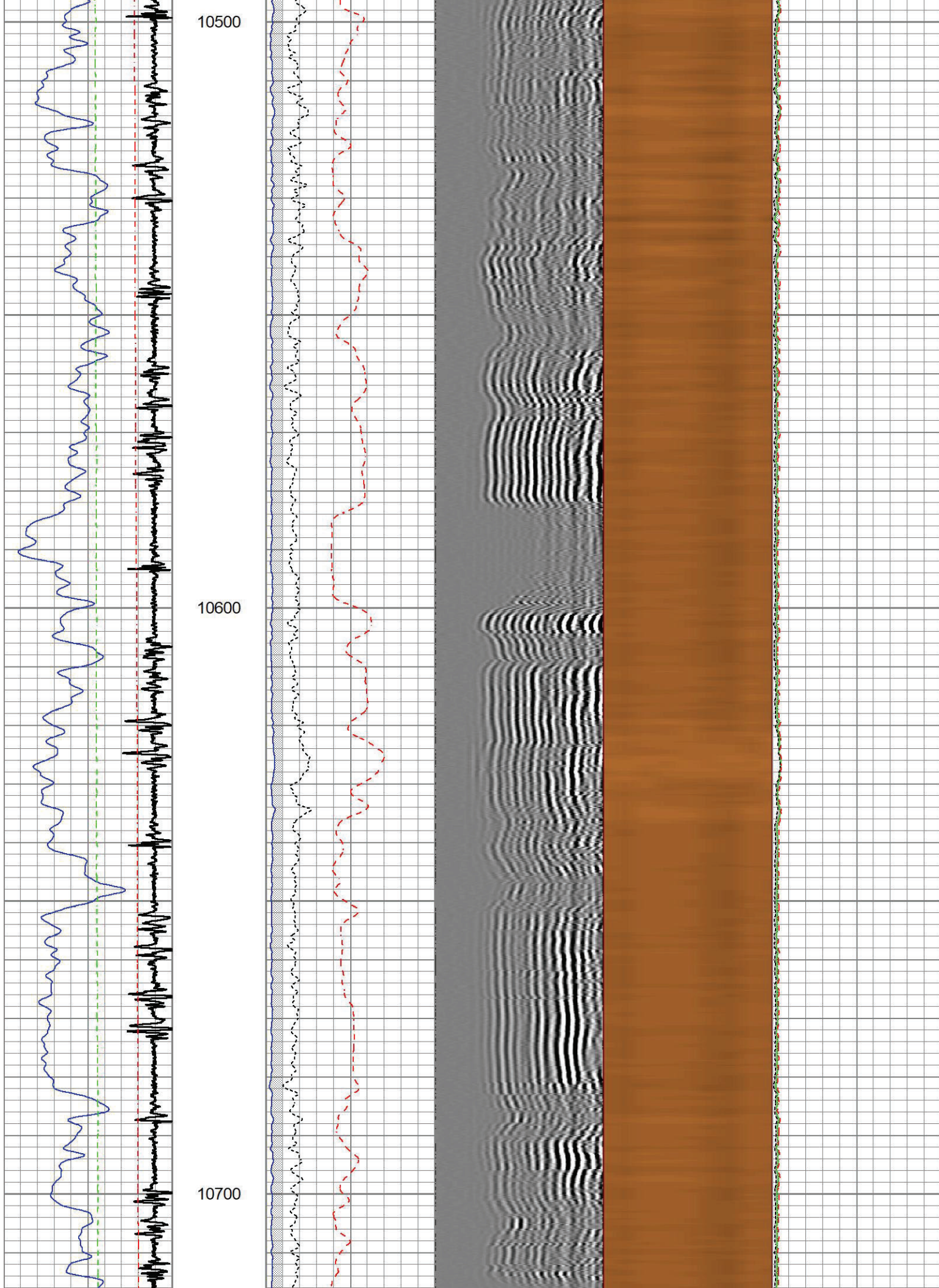
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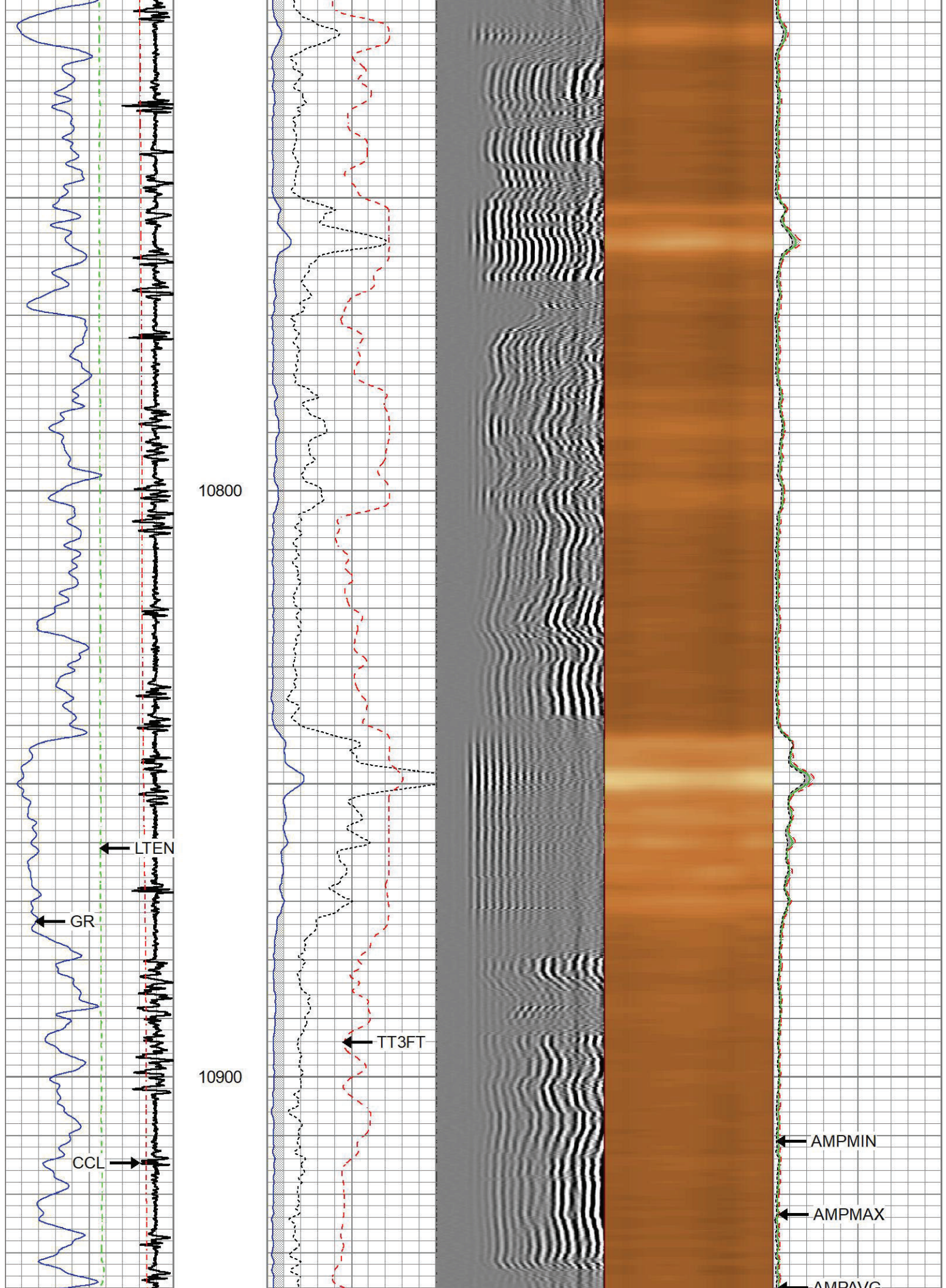


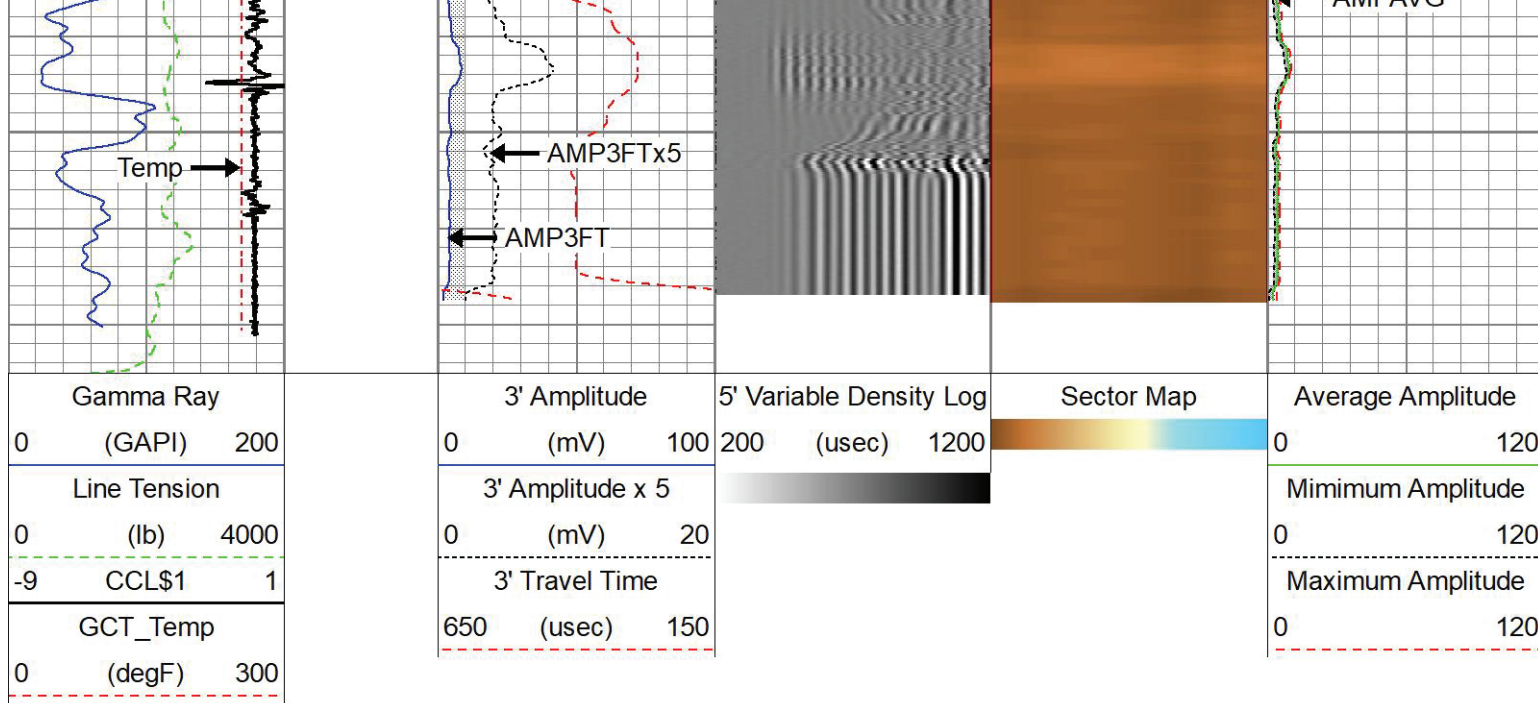
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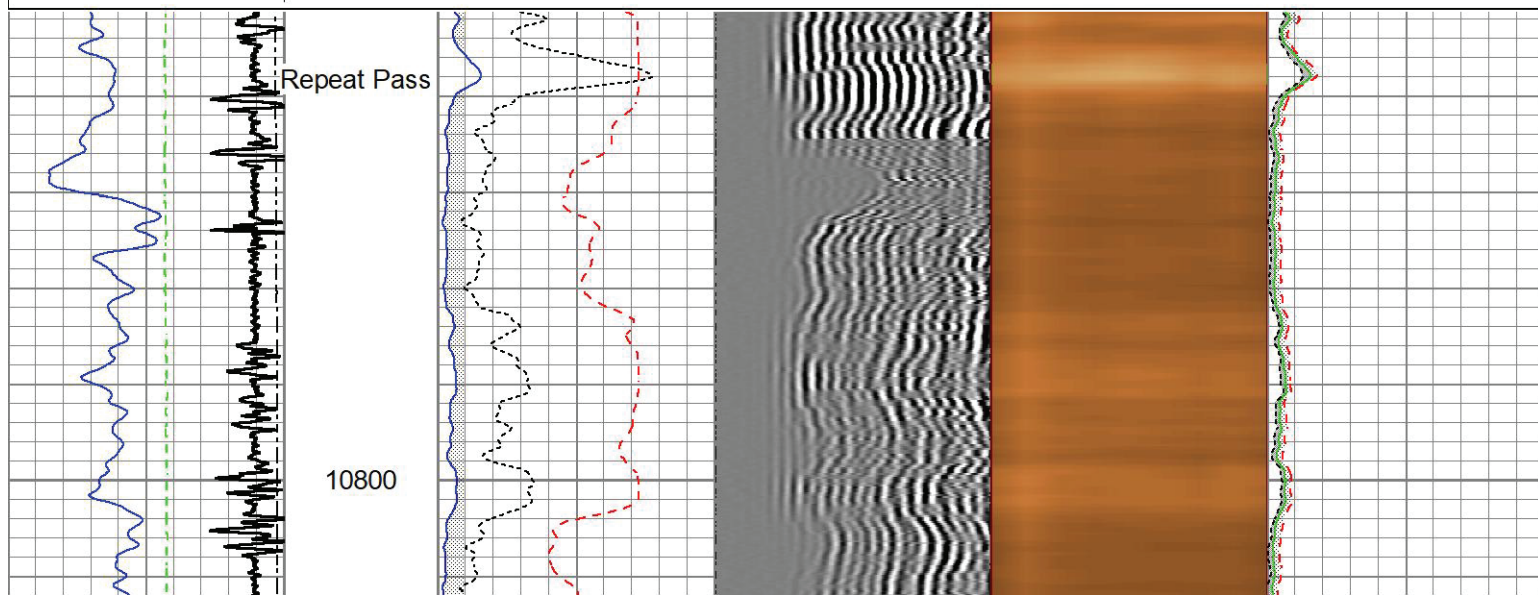
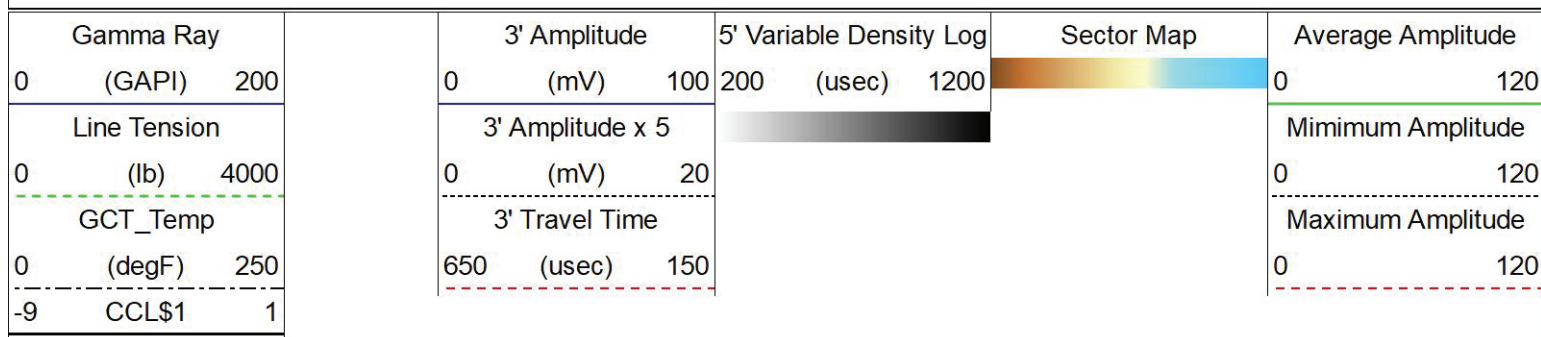


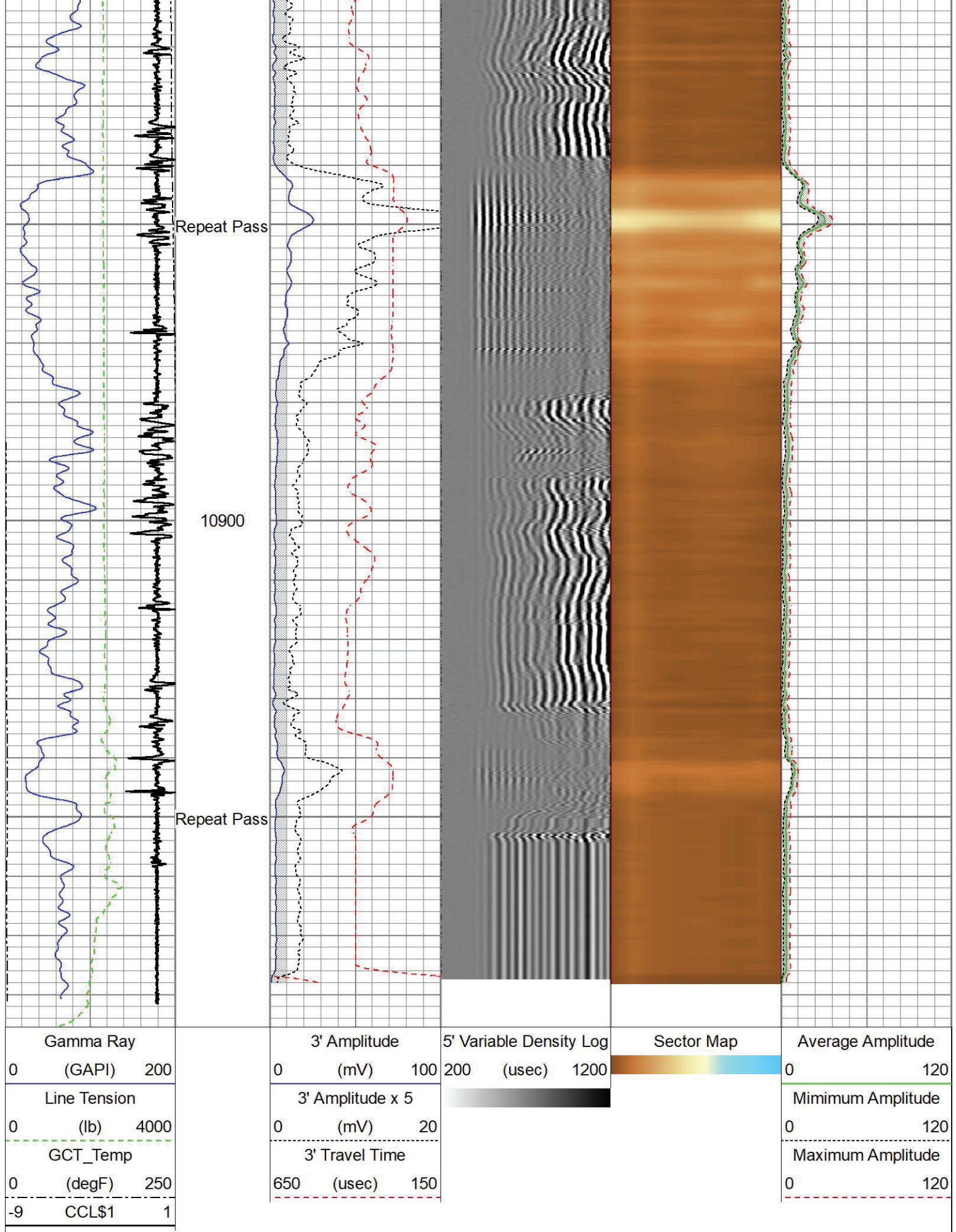




Repeat Pass 5" = 100'

Database File tep_nr 533-4_rcbl_7-2-2022.db
 Dataset Pathname repeat
 Presentation Format twgrcbl
 Dataset Creation Sat Jul 02 21:22:52 2022
 Charted by Depth in Feet scaled 1:240





Gamma Ray Calibration Report

Serial Number: 110254
Tool Model: GCT275-0000
Performed: Sat Jul 2 14:52:00 2022

Calibrator Value: 168.0 GAPI

Background Reading: 66.9 cps
Calibrator Reading: 291.7 cps

Sensitivity: 0.7473 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-30
Tool Model: Probe275acc

Calibration Casing Diameter: 4.500 in
Calibration Depth: 463.500 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.017	0.683	0.000	81.196	116.013	1.971
CAL	0.001	0.748				
5'	-0.002	0.585	0.000	81.196	138.299	0.342
SUM						
S1	-0.028	0.699	0.000	100.000	137.518	3.860
S2	-0.009	0.740	0.000	100.000	133.510	1.253
S3	-0.020	0.730	0.000	100.000	133.216	2.719
S4	-0.020	0.737	0.000	100.000	132.177	2.639
S5	-0.018	0.739	0.000	100.000	132.123	2.399
S6	-0.007	0.712	0.000	100.000	139.182	0.933
S7	-0.004	0.750	0.000	100.000	132.593	0.499
S8	-0.018	0.700	0.000	100.000	139.274	2.560

Internal Reference Calibration, performed (Not Performed):

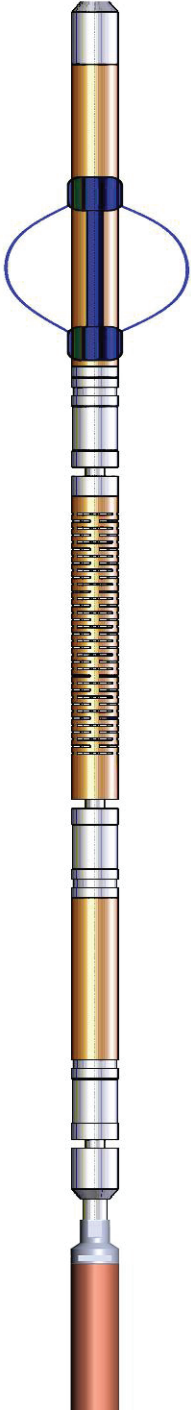
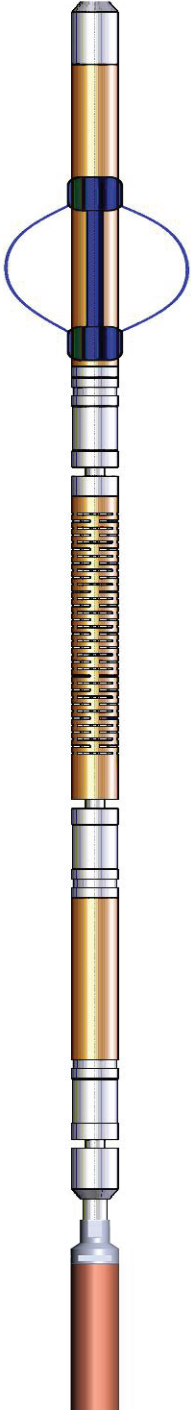
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.748	1.000	0.000

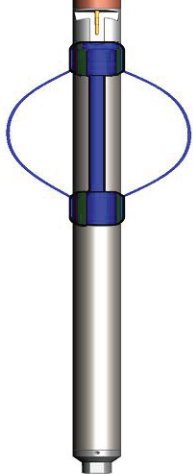
Air Zero Calibration, performed Wed Jun 29 08:56:40 2022:

	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:	(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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			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
WVFS8	9.02		RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	9.02					
WVFS6	9.02					
WVFS5	9.02					
WVFS4	9.02					
WVFS3	9.02					
WVFS2	9.02					
WVFS1	9.02					
WVF3FT	9.02					
WVF5FT	8.02					
RBT_HV	4.77					
RBT_ACCZ	4.77					
RBT_ACCY	4.77					
RBT_ACCX	4.77					
GCT_HV	4.77					
WVFSYNC	4.77					

WVFS1NC	4.77		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer GC-GCT275-0000 (110254) Probe 2.75" Gamma Ray - CCL w/ Temp	1.33	3.25	10.00
WVFCAL	4.77					
CCL\$2	3.81					
CCL\$1	3.81					
GCT_Temp	3.26					
GR	2.39			4.77	2.75	55.00

Dataset: tep_nr 533-4_rcbl_7-2-2022.db: field/well/run1/main.1
 Total length: 13.52 ft
 Total weight: 195.00 lb
 O.D.: 3.25 in



Company	Terra Energy Partners, LLC		
Well	Federal NR 533-4		
Field	Rulison		
County	Garfield		
State	Colorado	Country	USA