



Radial Cement Bond  
Gamma CCL  
Log

Company	Terra Energy Partners, LLC		
Well	Federal NR 443-4	Rev A	
Field	Rulison		
County	Garfield		
State	Colorado	Country	USA
Company		Terra Energy Partners, LLC	
Well		Federal NR 443-4	Rev A
Field		Rulison	
County		Garfield	
State		Colorado	Country USA
Location:		API # : 05-045-24476	Other Services ---
SEC 3 TWP 6S RGE 94W			
Permanent Datum	Ground Level	Elevation	6728'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Elevation			
K.B. 6758'			
D.F. 6759'			
G.L. 6730'			
Date	11-MAR-2022		
Run Number	One		
Depth Driller	10954 FT		
Depth Logger	10894 FT		
Bottom Logged Interval	10886 FT		
Top Log Interval	Surface		
Open Hole Size	8.75"		
Type Fluid	Water		
Density / Viscosity	8.34 lb/gal		
Max. Recorded Temp.	---		
Estimated Cement Top	See Log		
Time Well Ready	ROA		
Time Logger on Bottom	10:00		
Equipment Number	8047		
Location	Grand Junction		
Recorded By	A. Ellsworth		
Witnessed By	D. Welsh		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	38 lb	Surface
Prot. String			
Production String	4.5"	11.6 lb	Surface
Liner			10944 FT

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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 at 6398 FT - 6408 FT  
Log ran with 0 PSI at surface  
Rev A: Updated Gamma Ray calibrations.

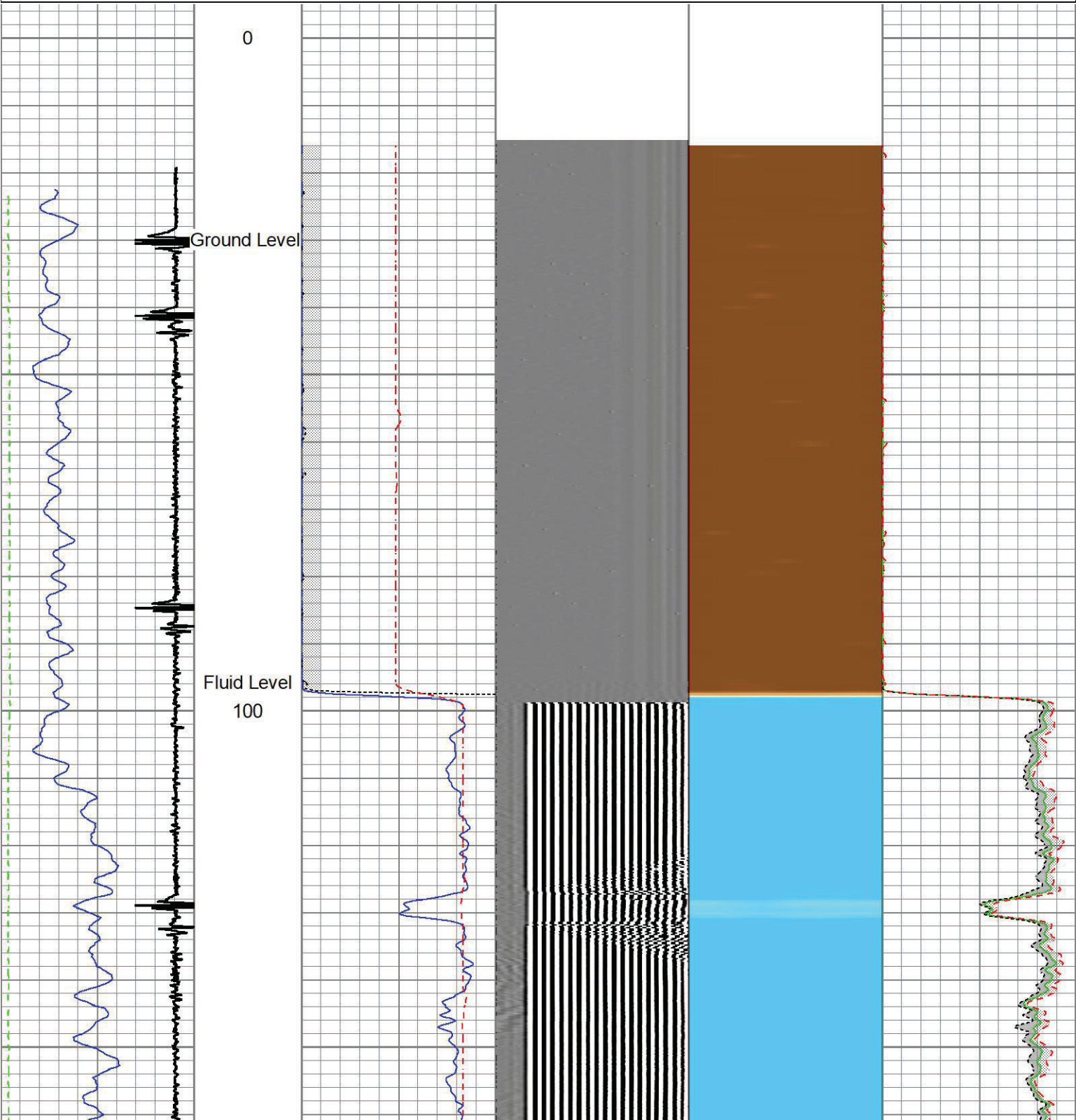
Thank you for choosing The Wireline Group.



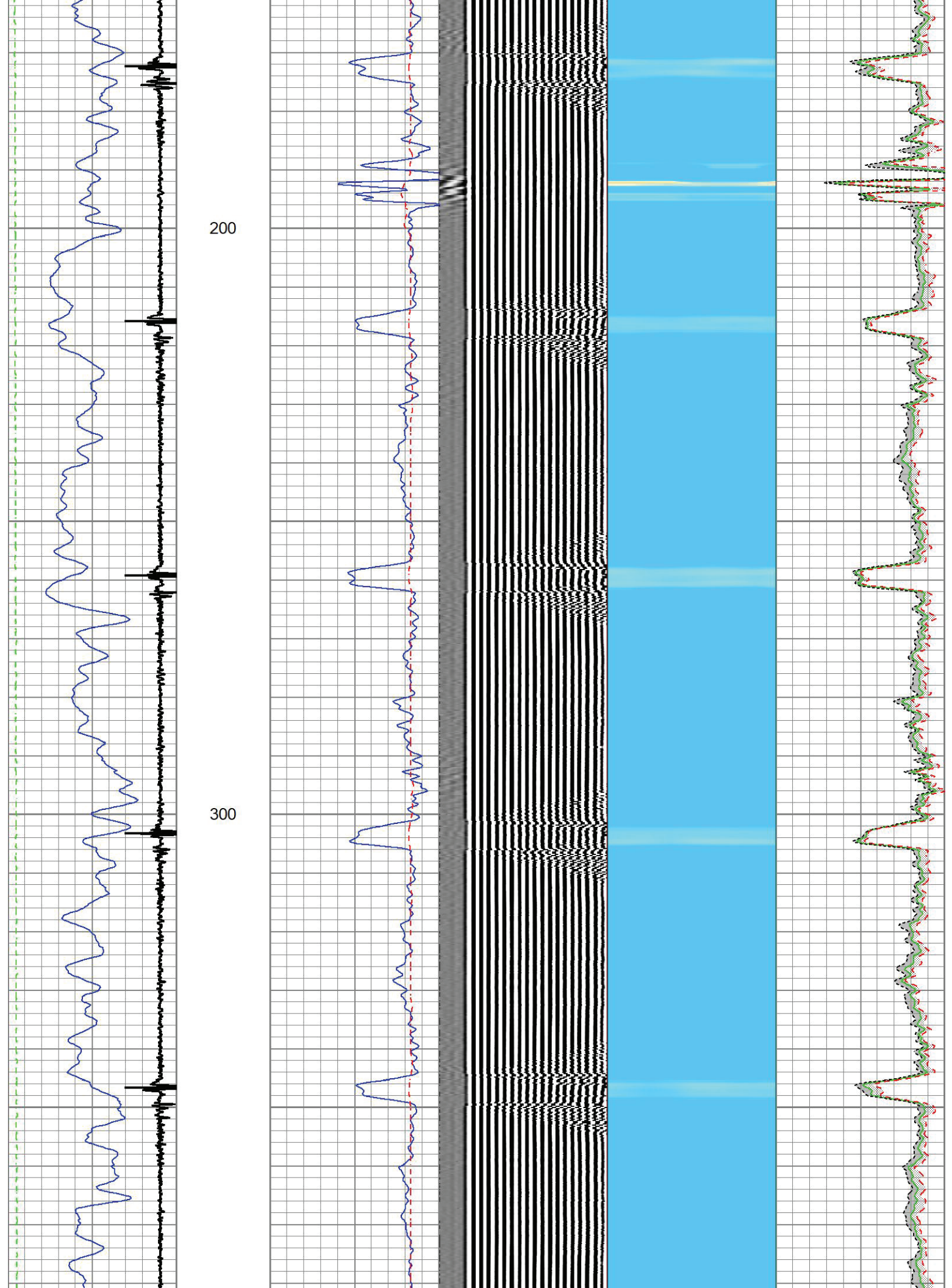
Main Pass 5" = 100'

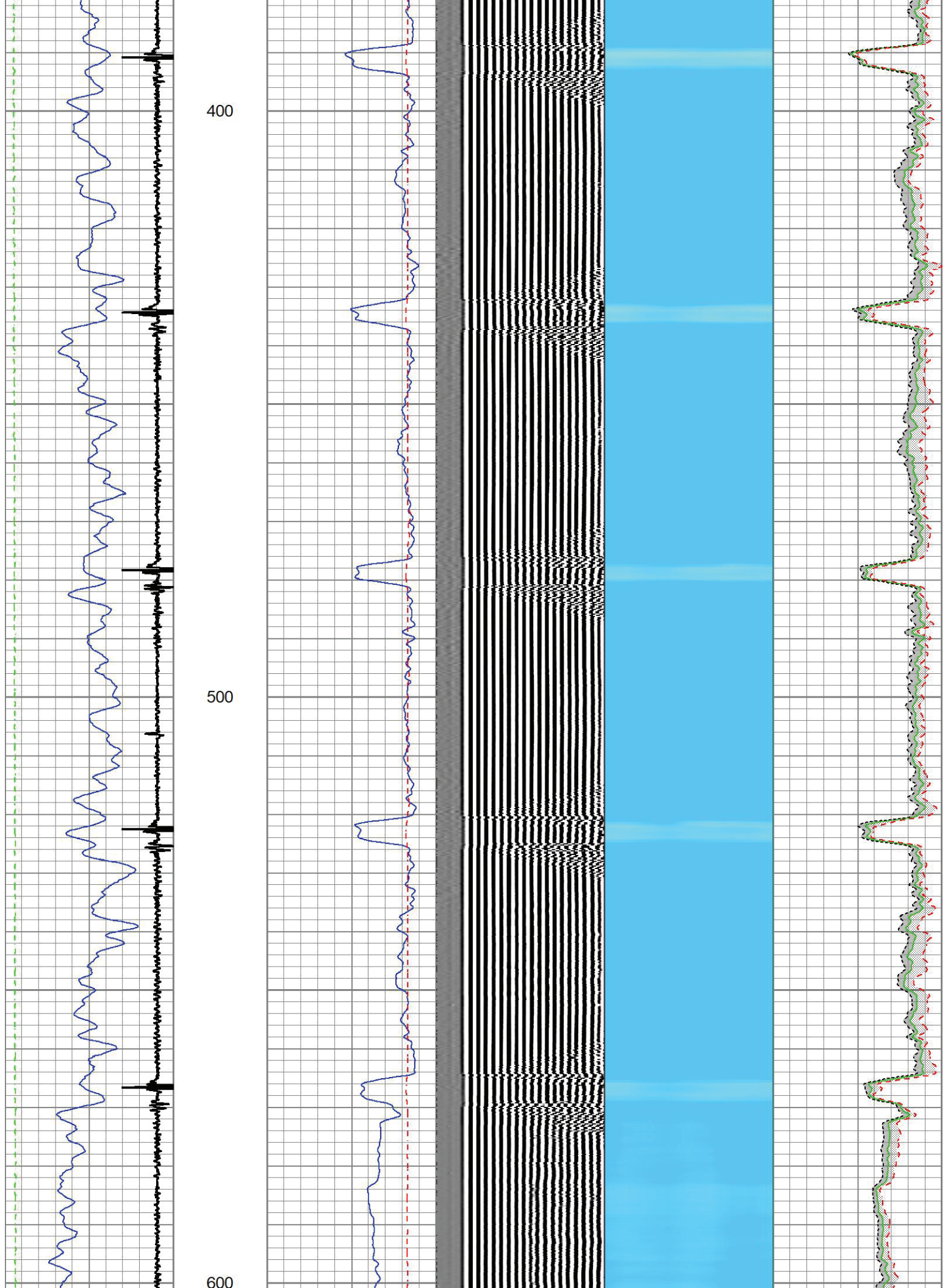
Database File      tep\_nr 443-4\_rcbl\_5-11-22.db  
Dataset Pathname    main.1  
Presentation Format   twgteprcbl  
Dataset Creation      Sat May 14 17:07:45 2022  
Charted by            Depth in Feet scaled 1:240

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

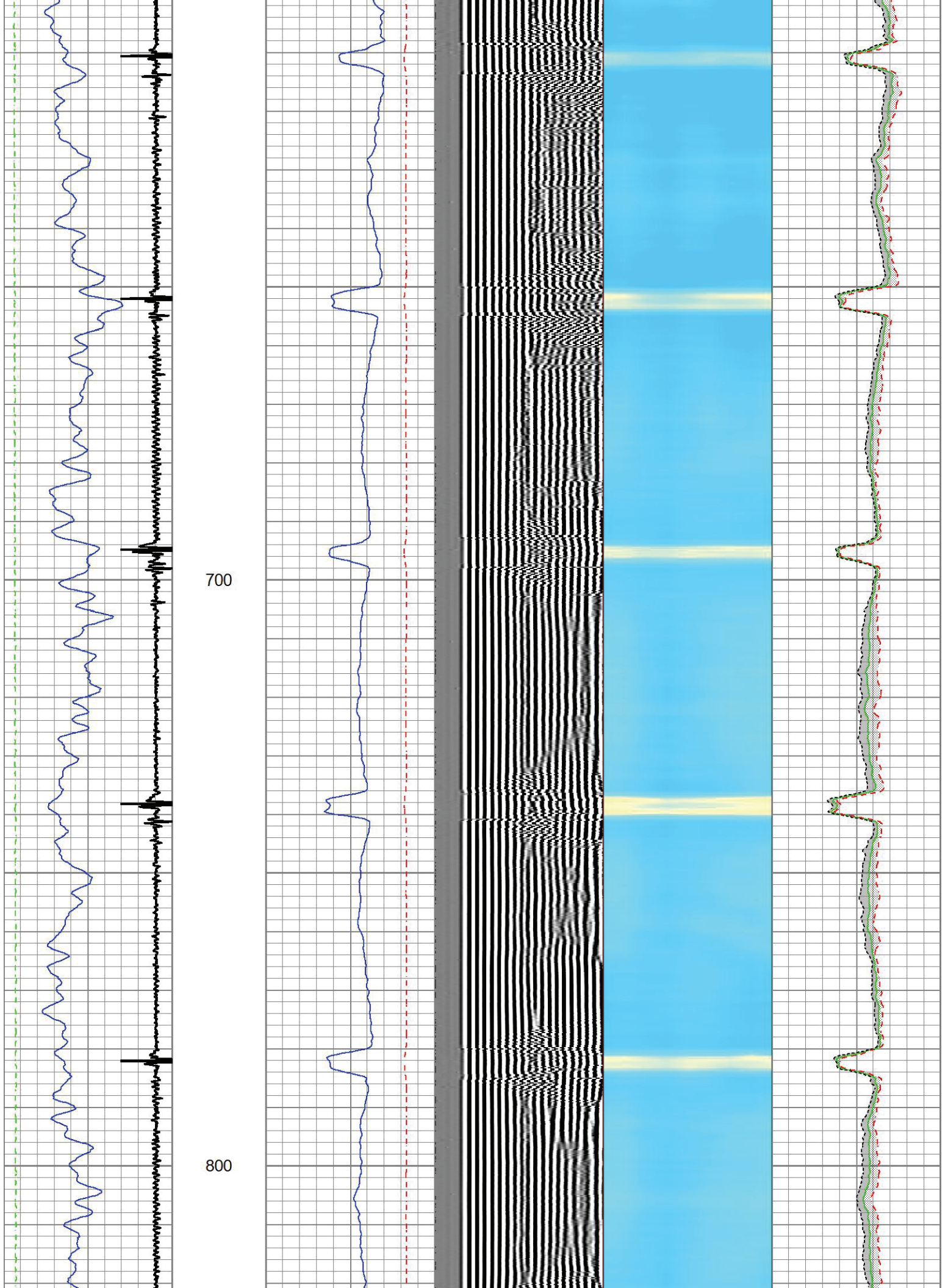




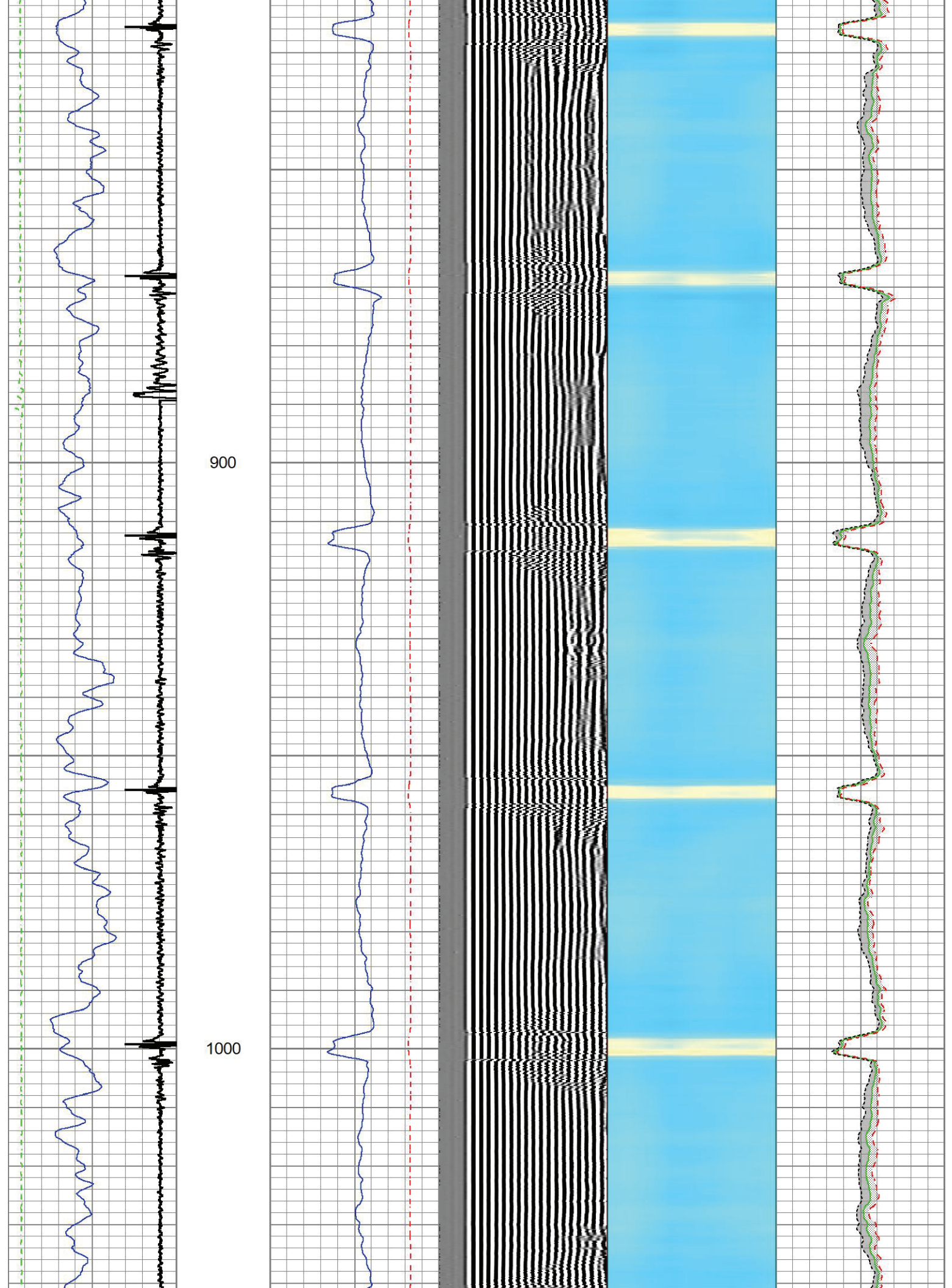




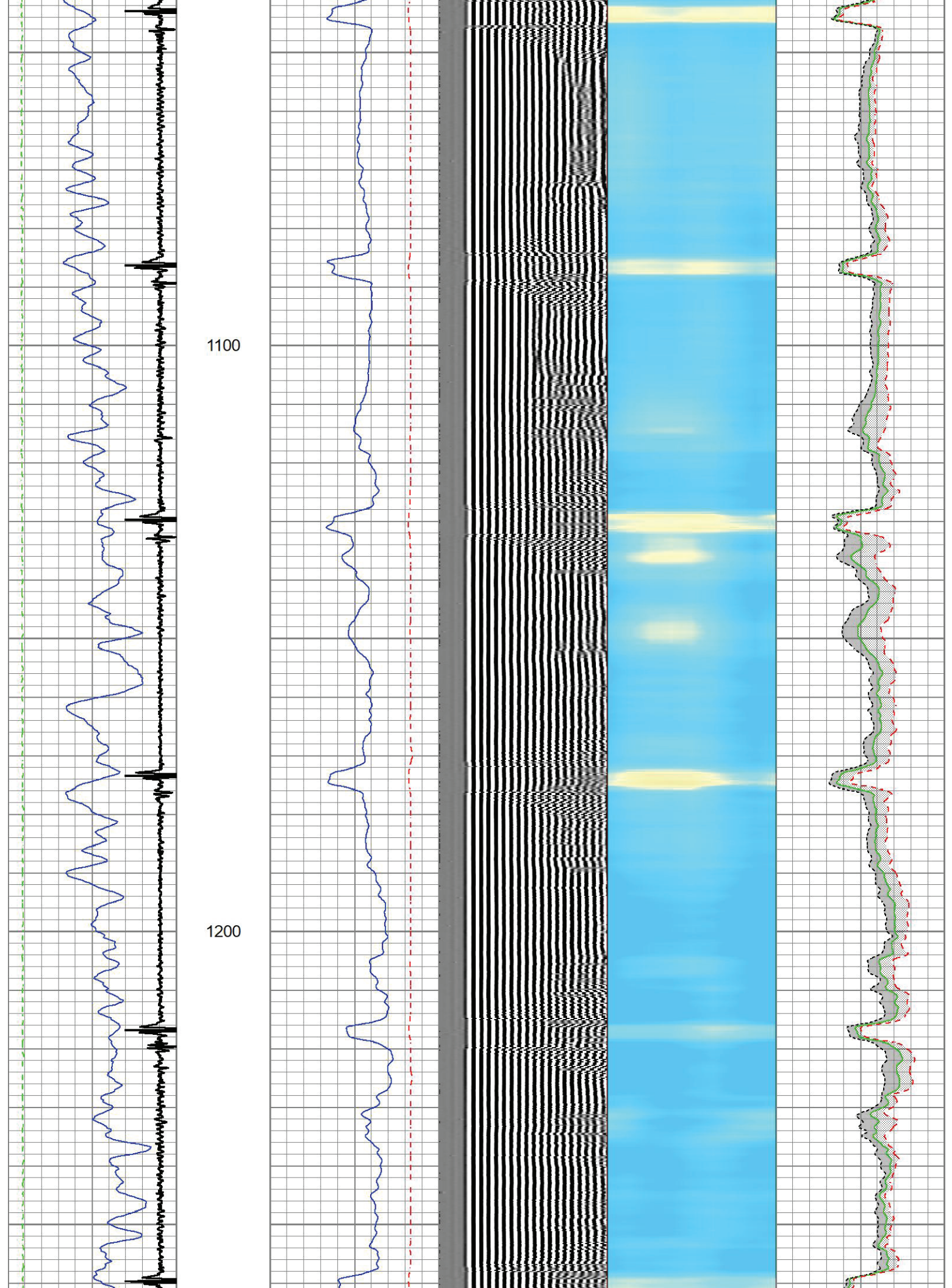




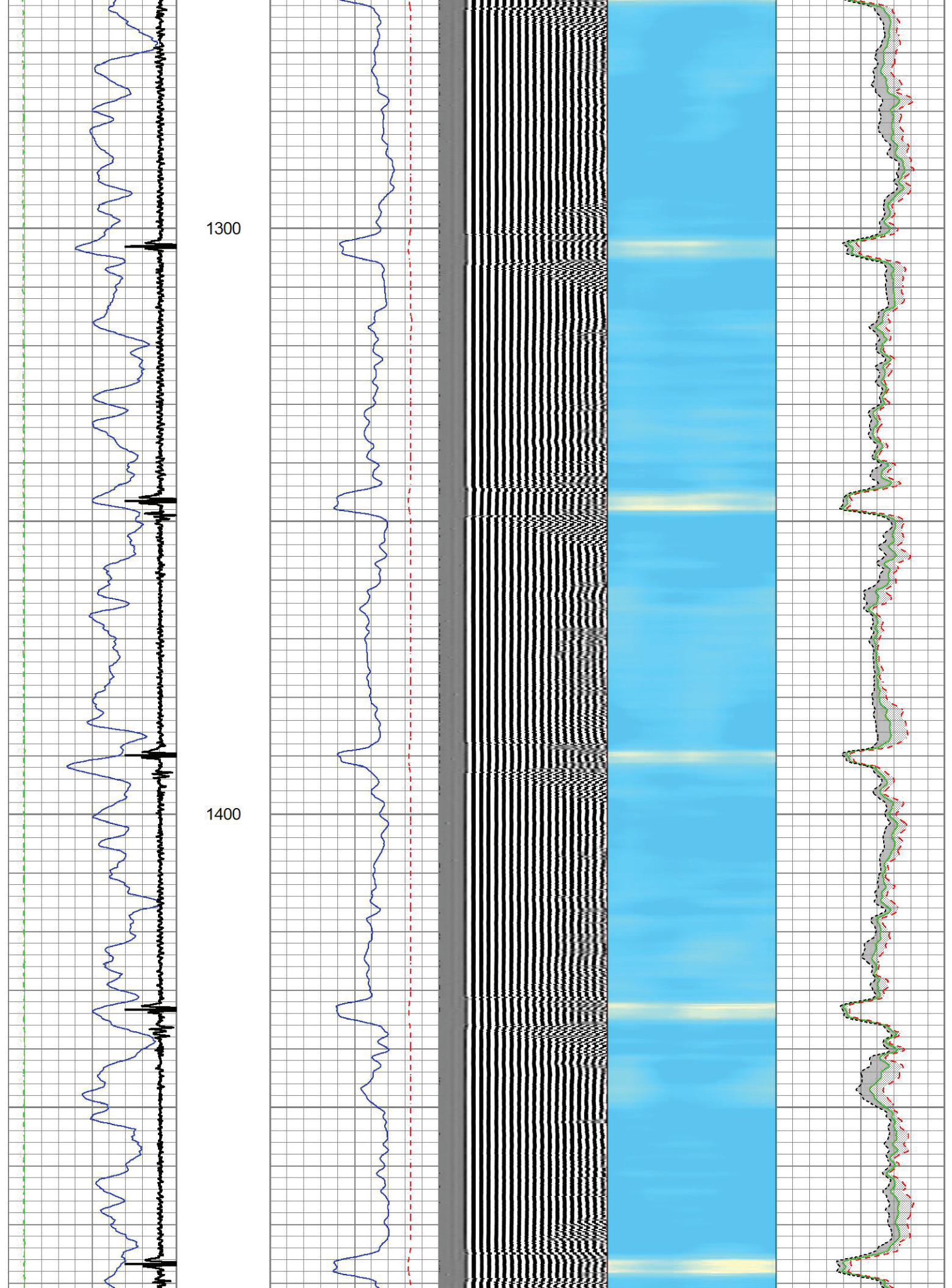




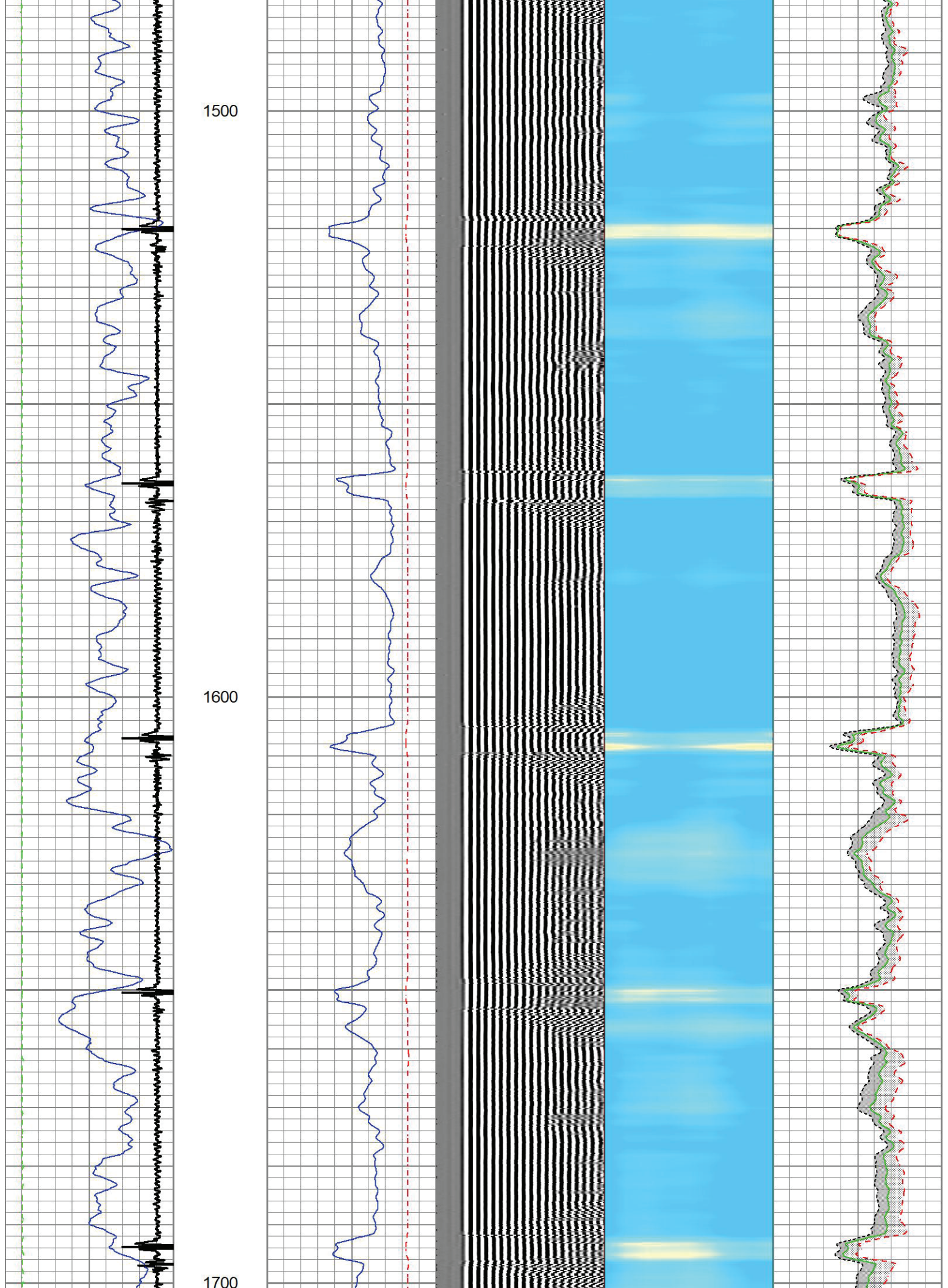




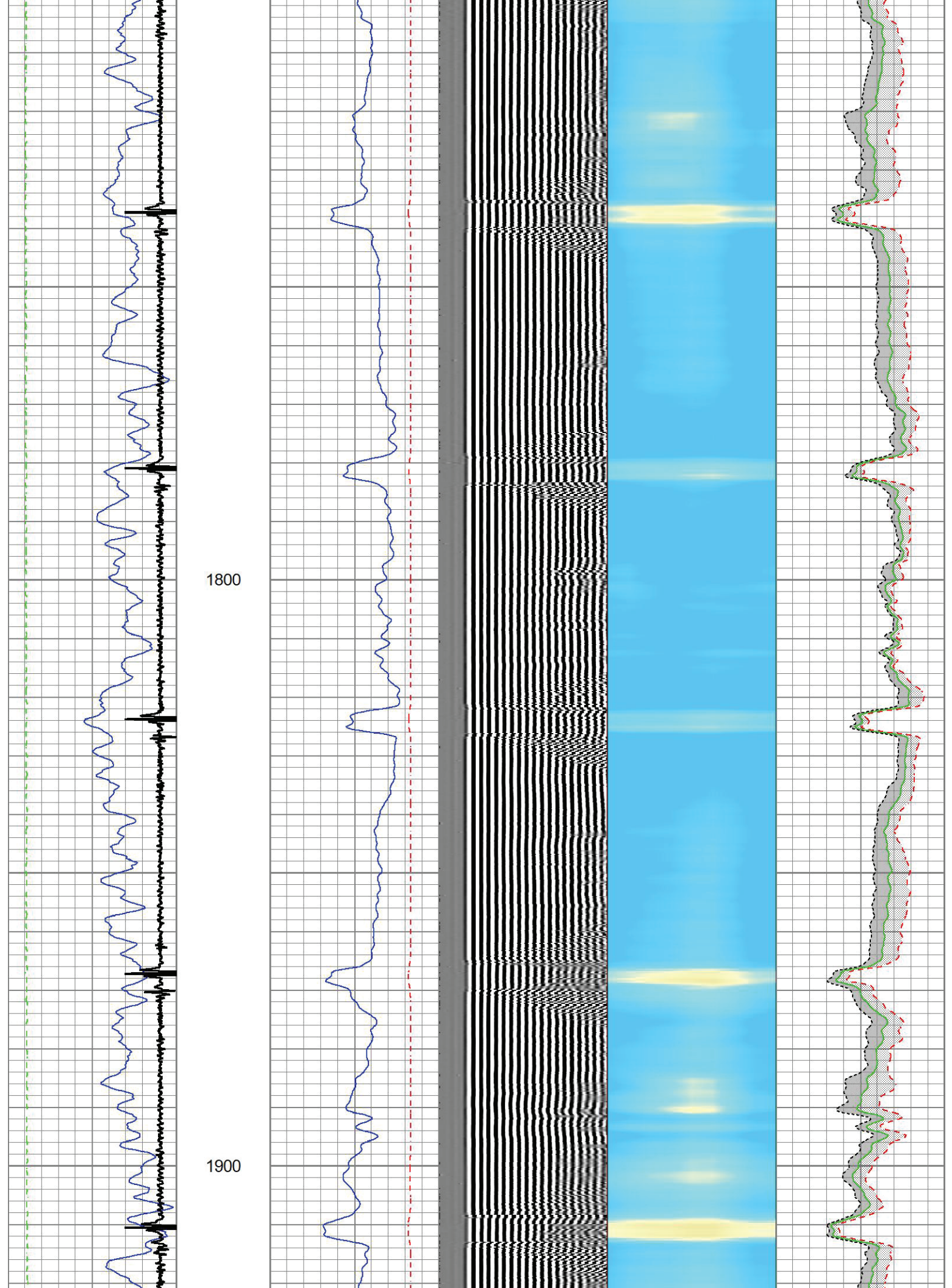




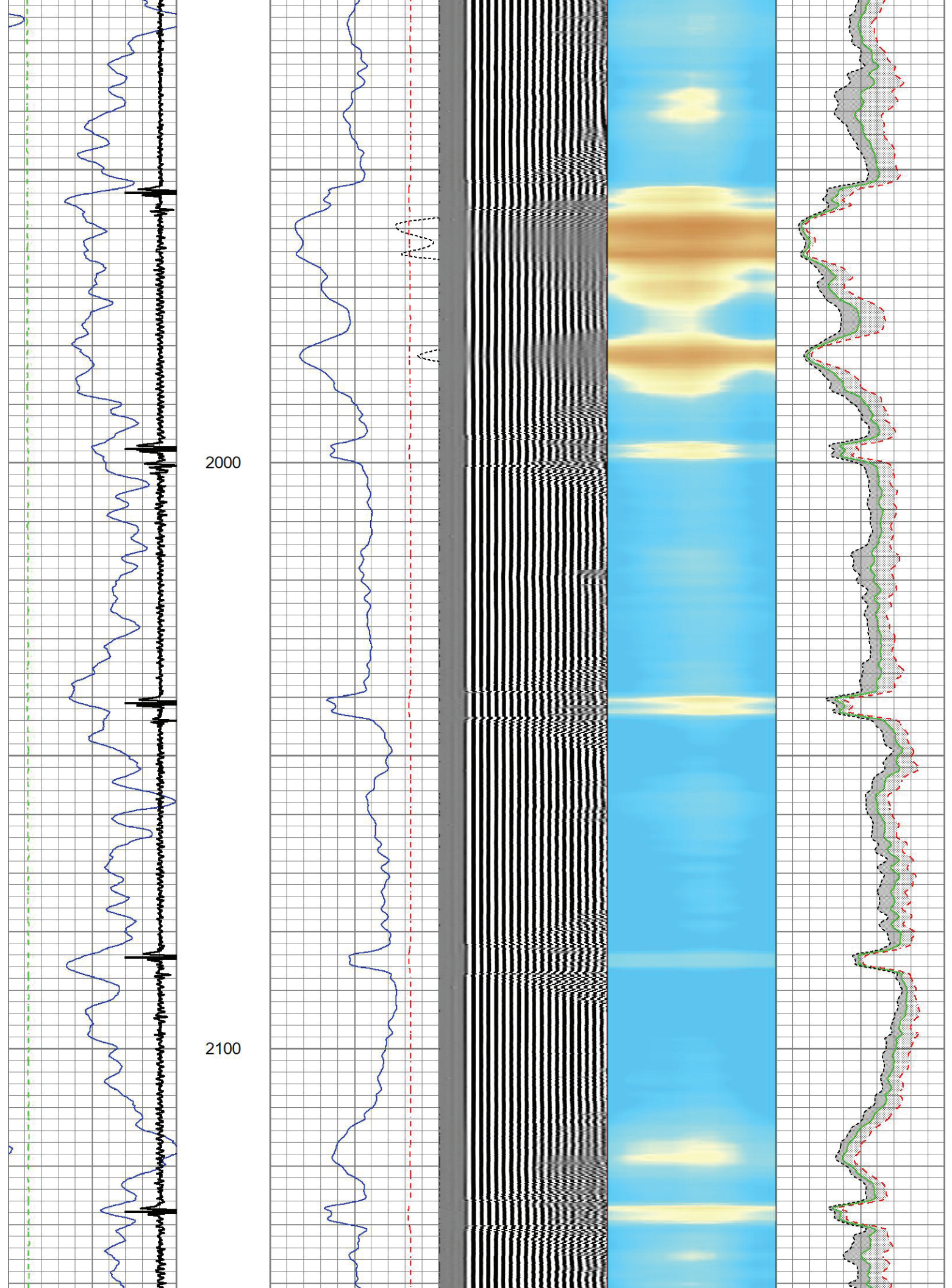








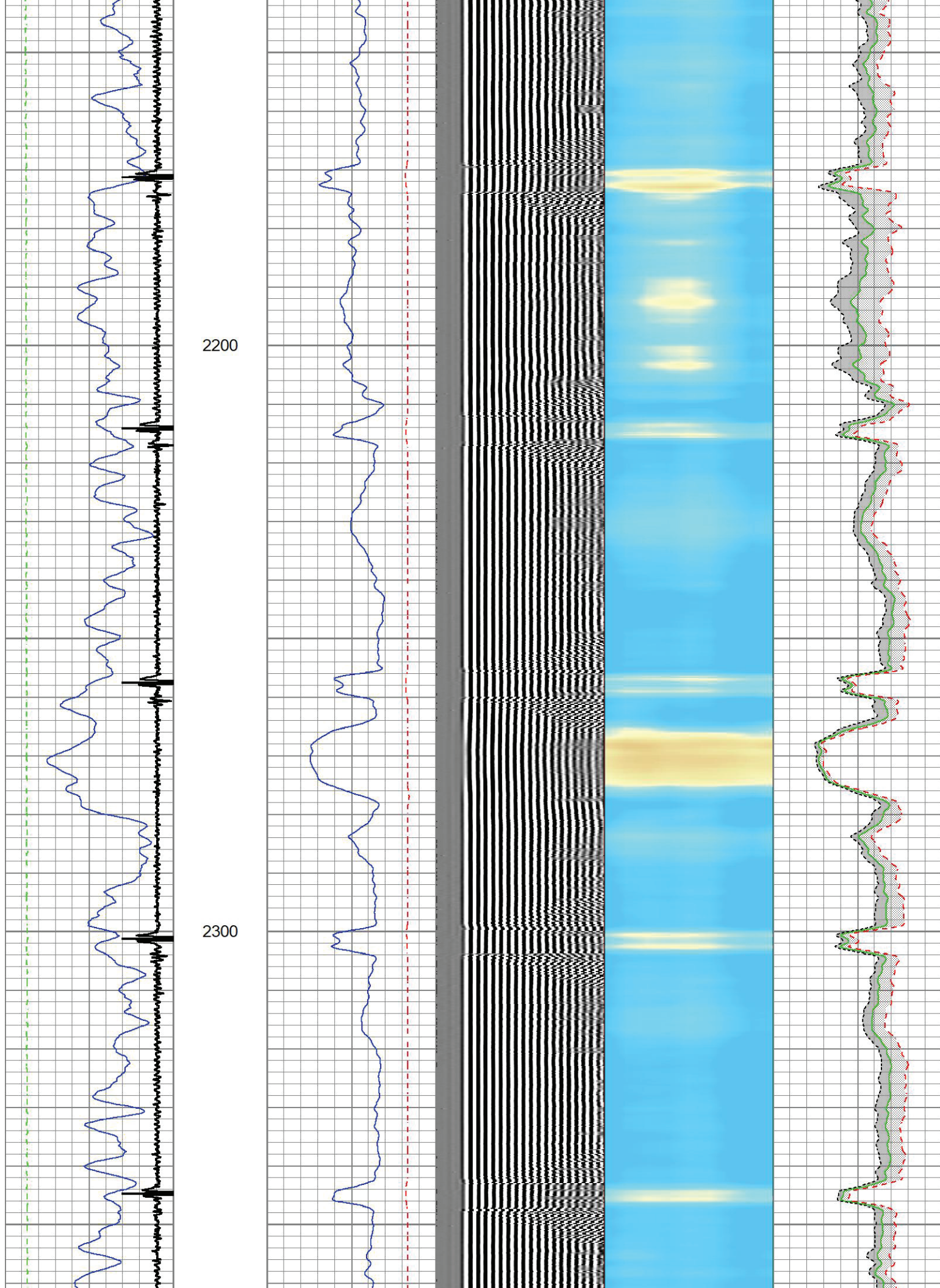






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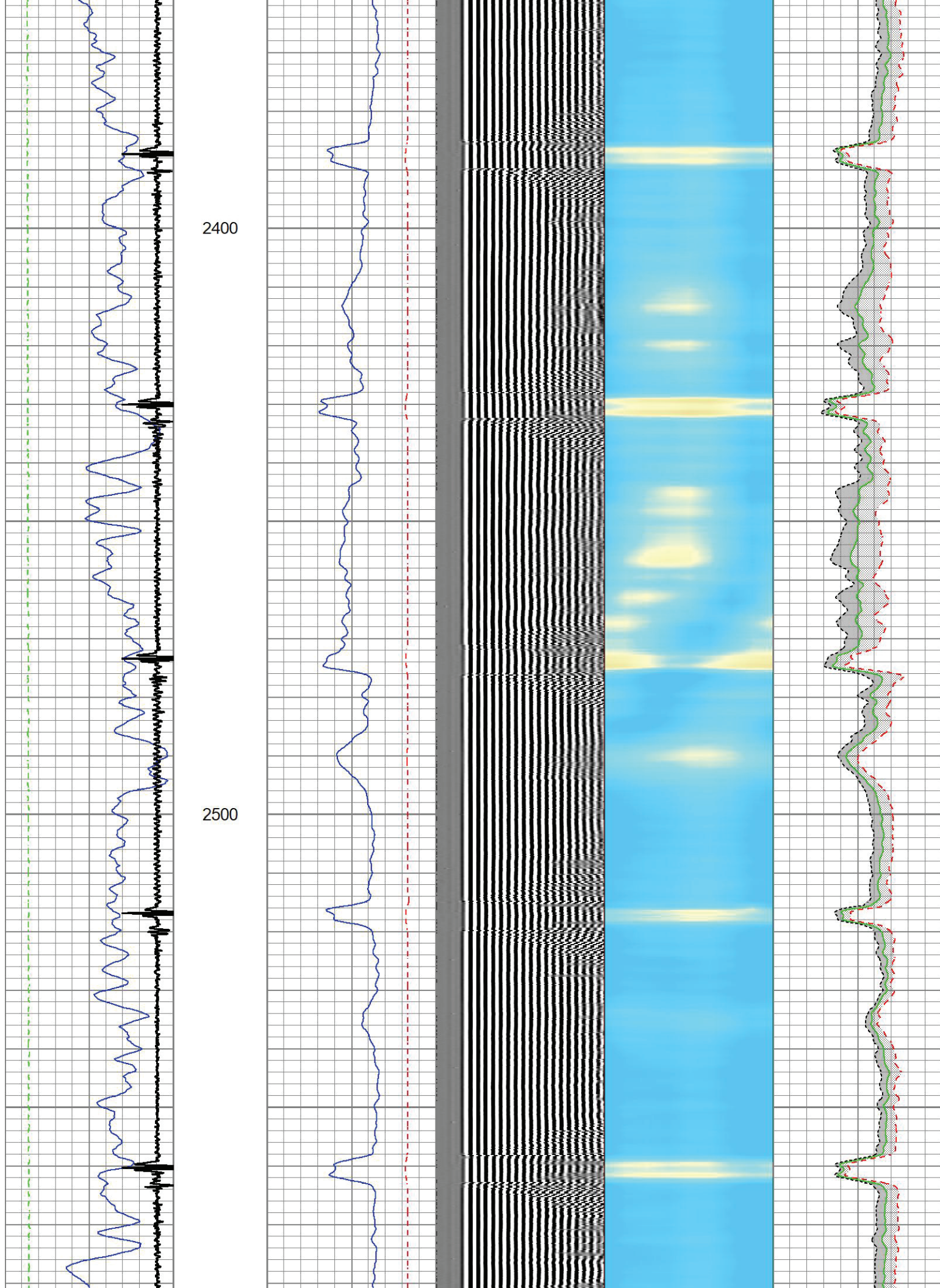
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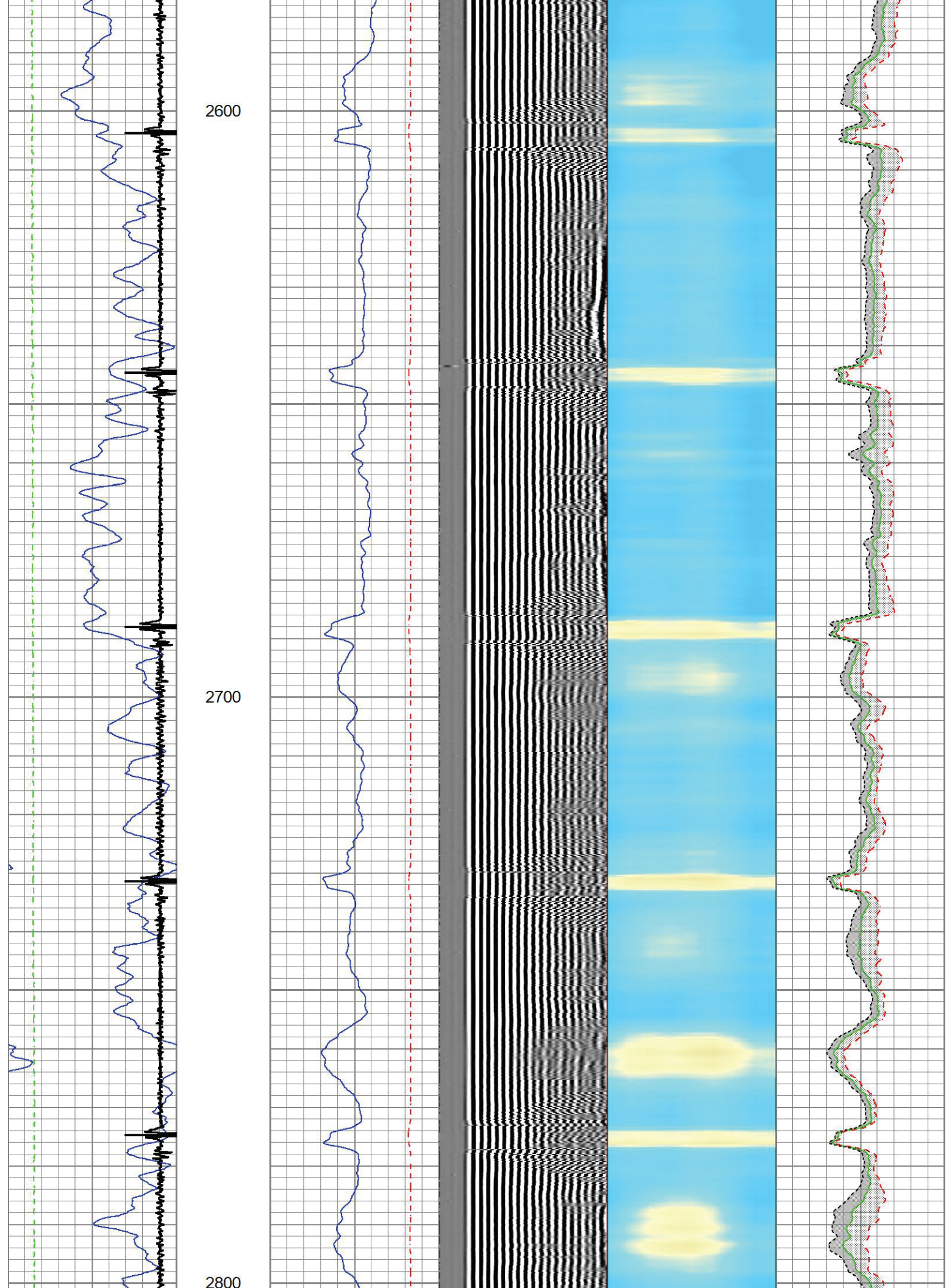


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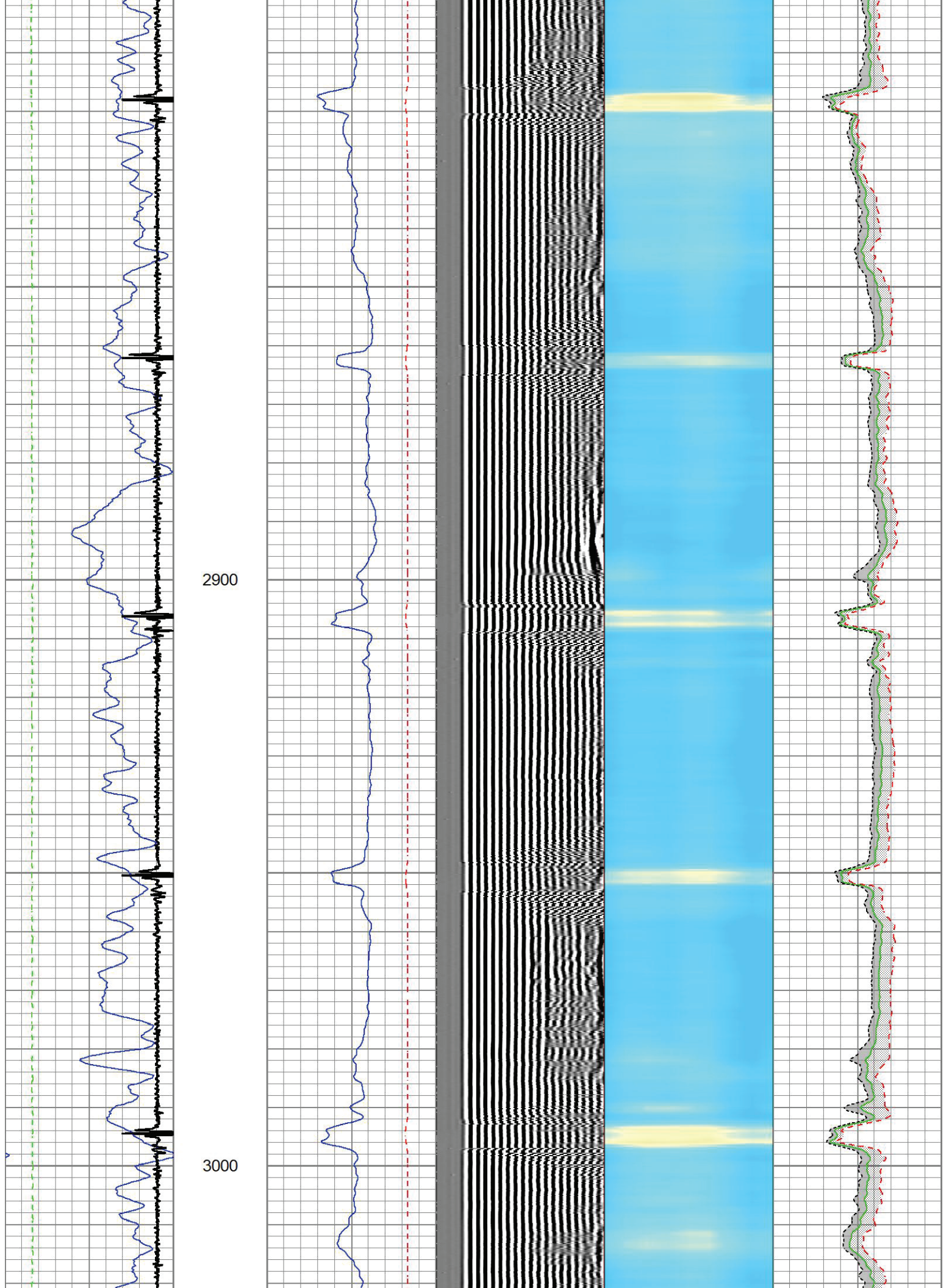
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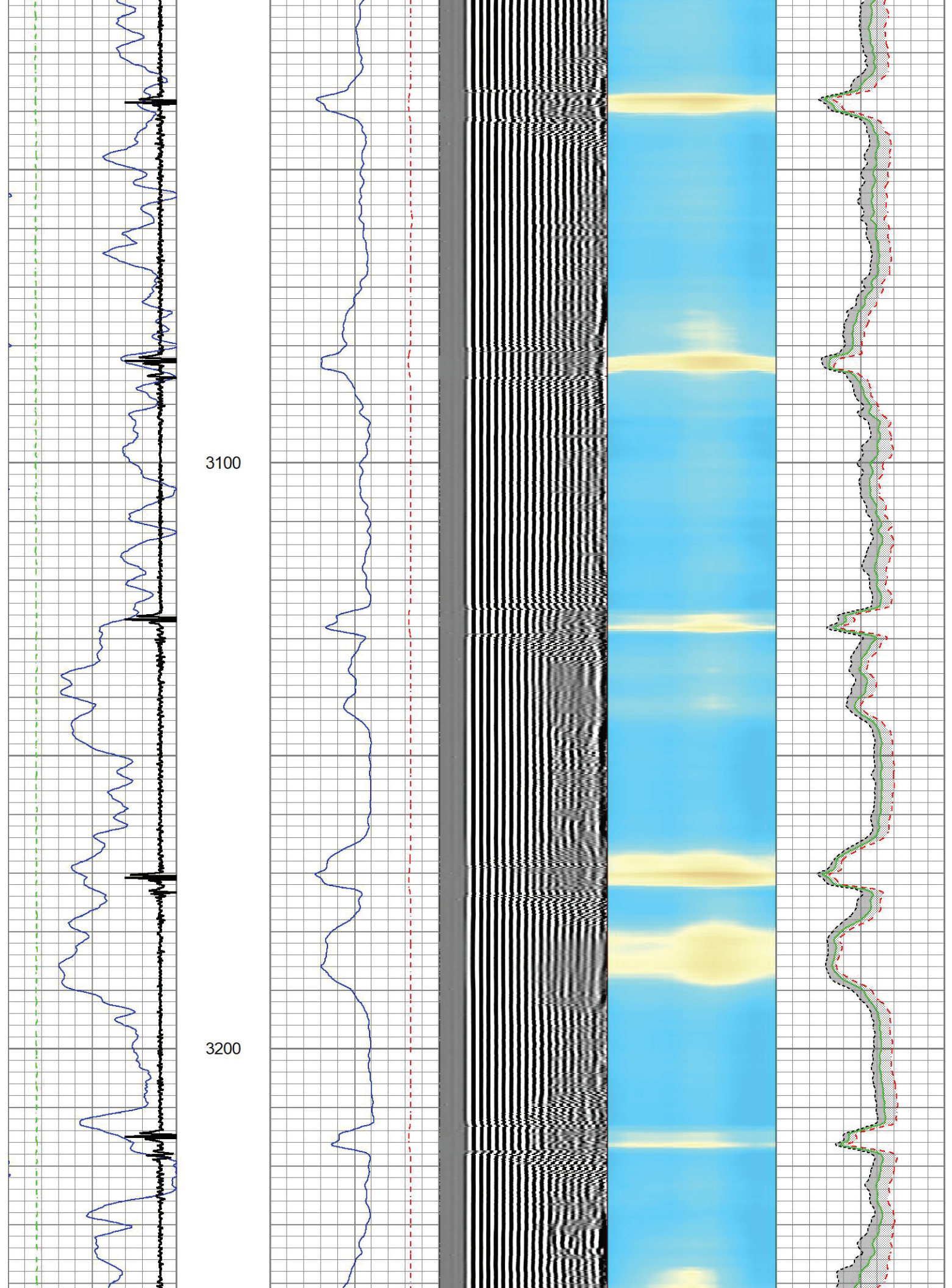




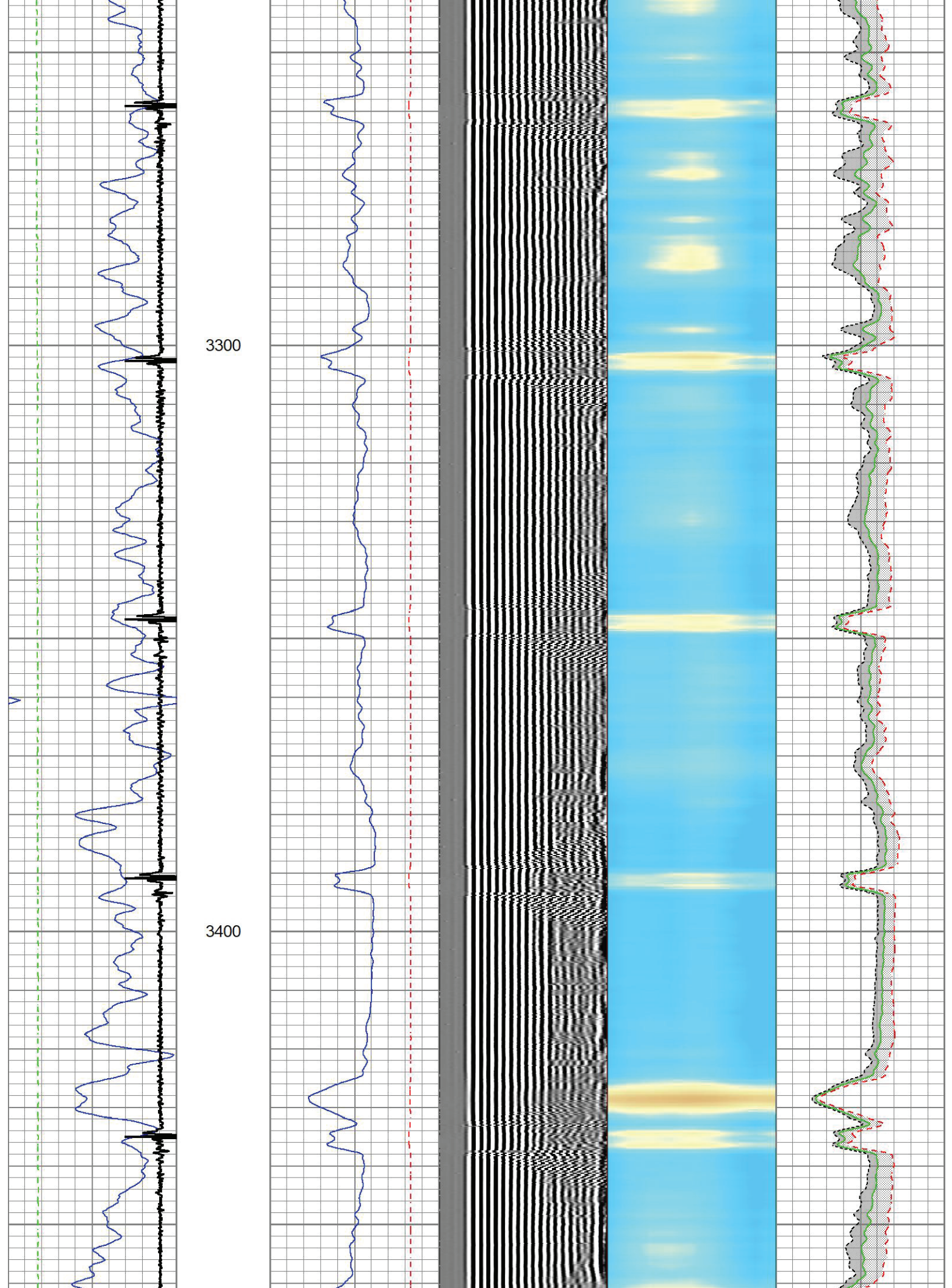




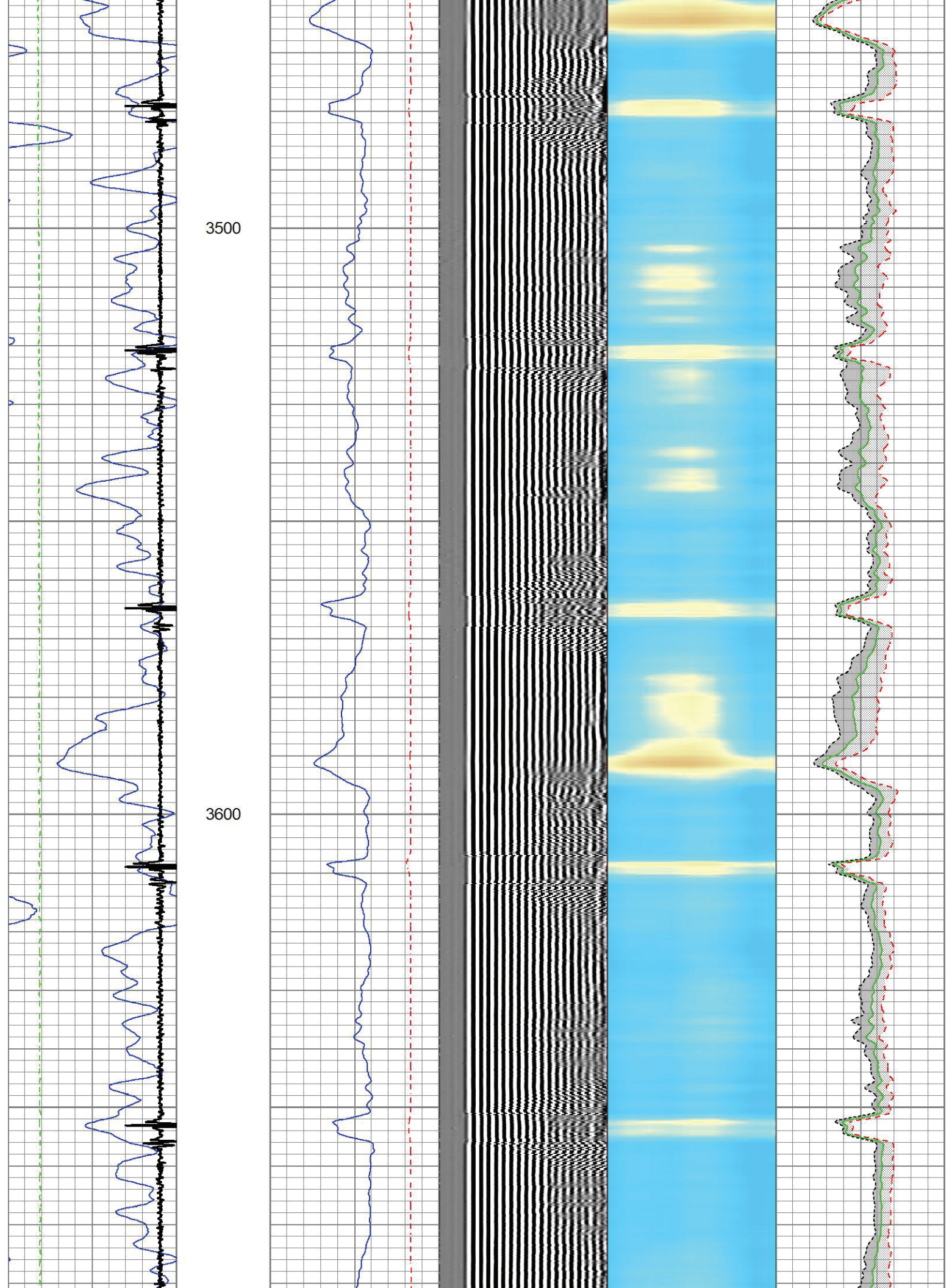




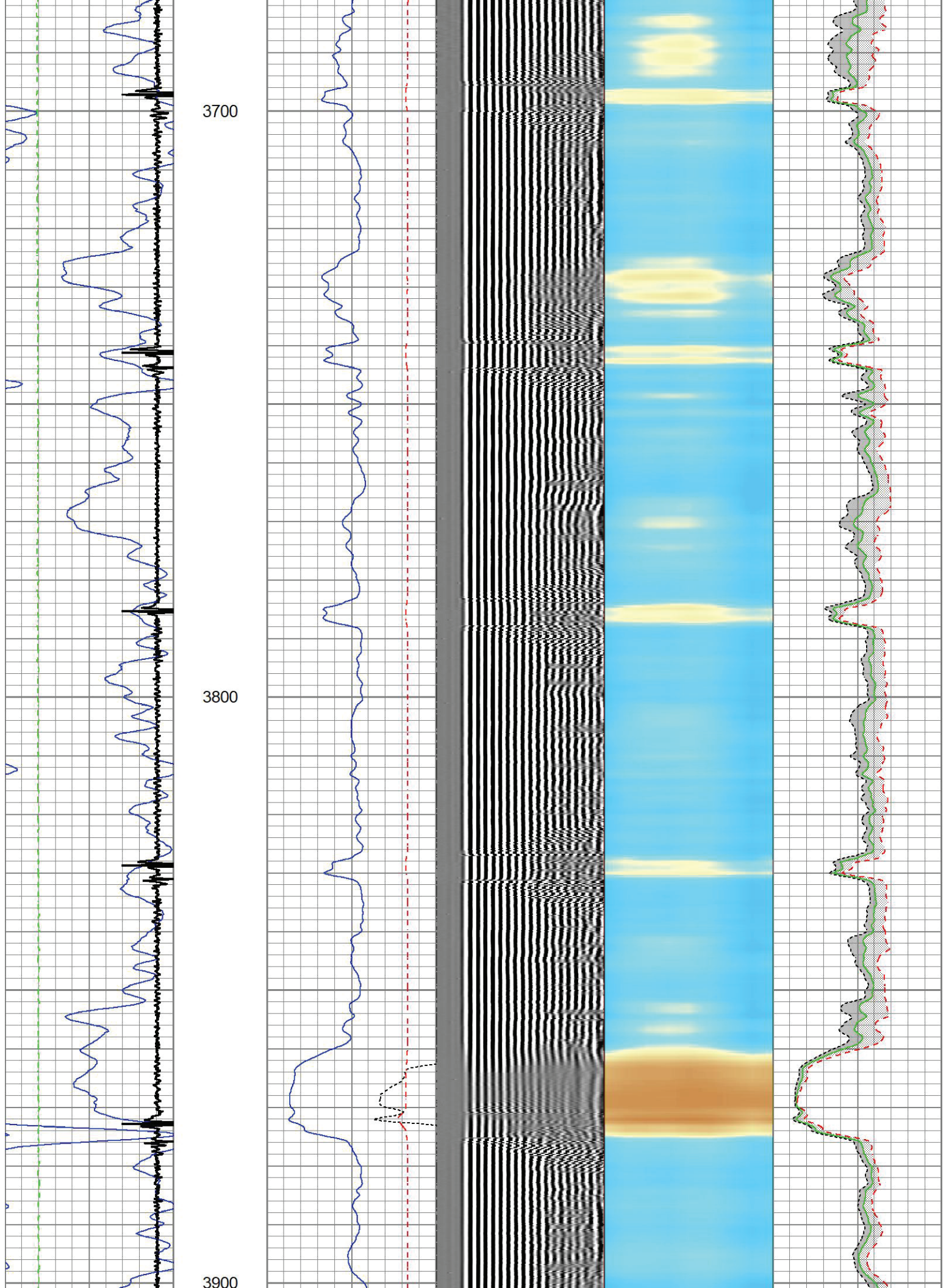




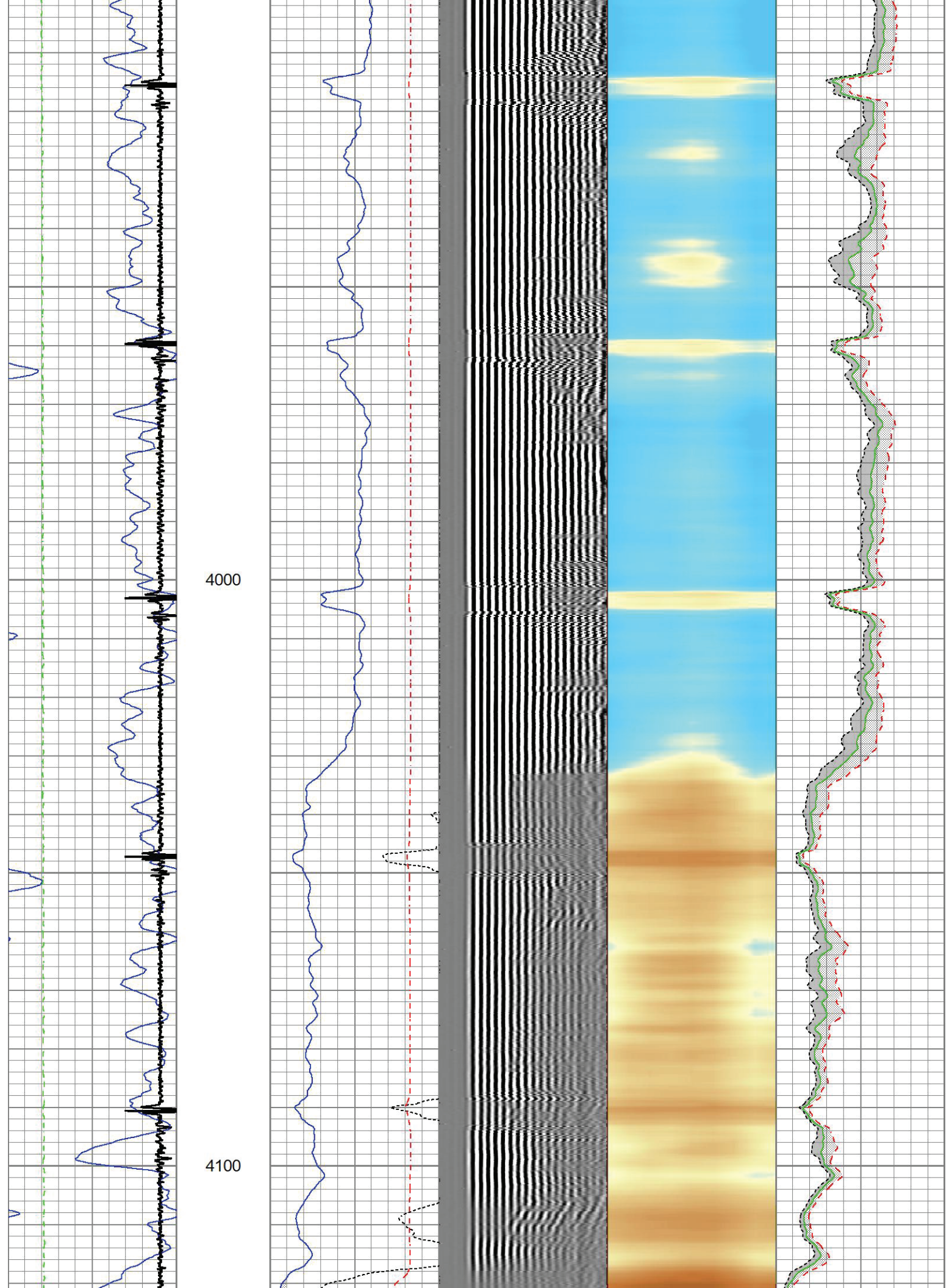




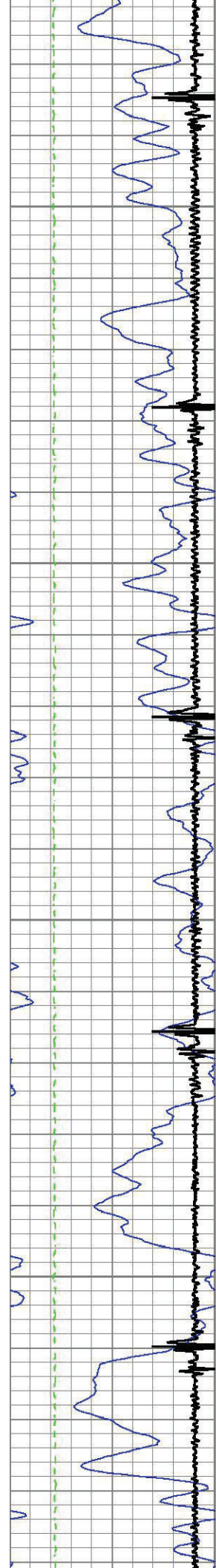






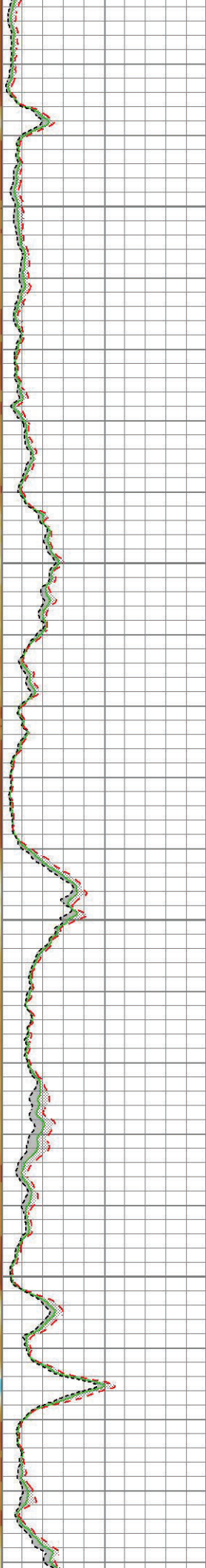
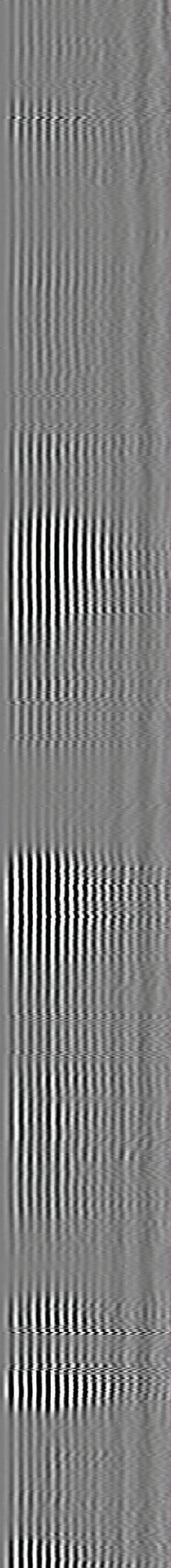
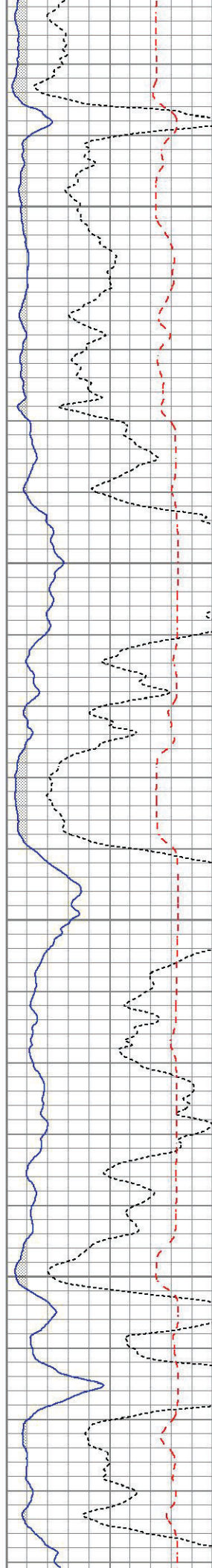




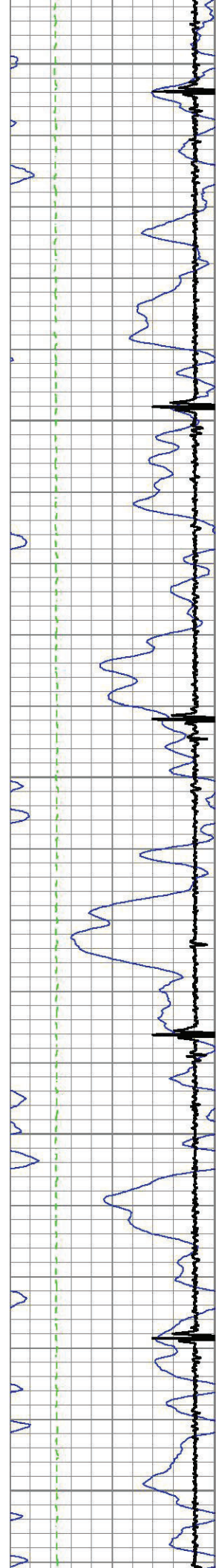


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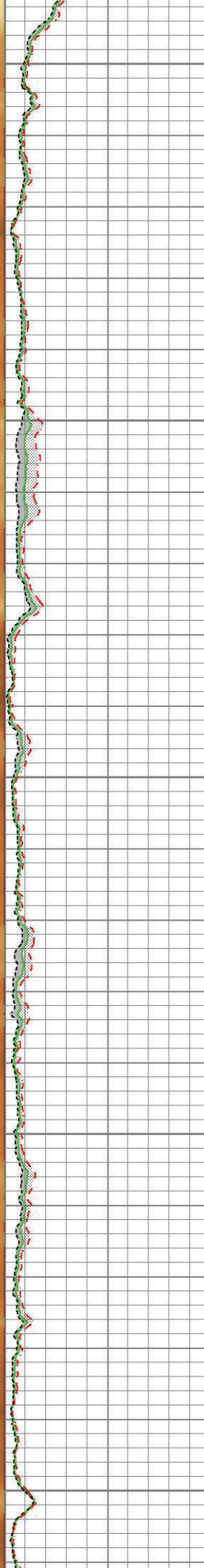
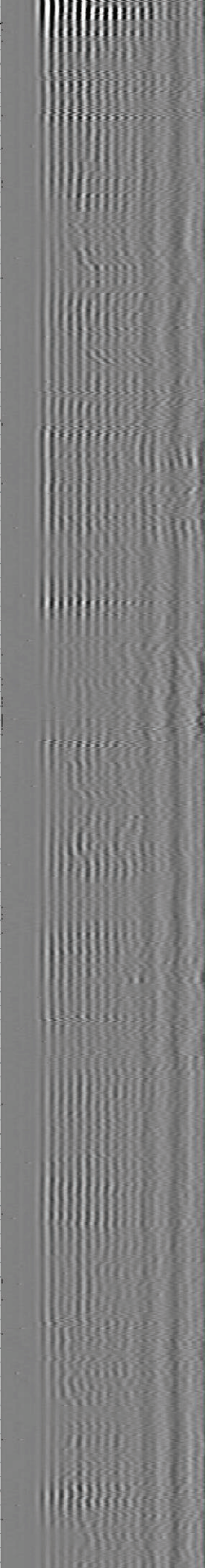
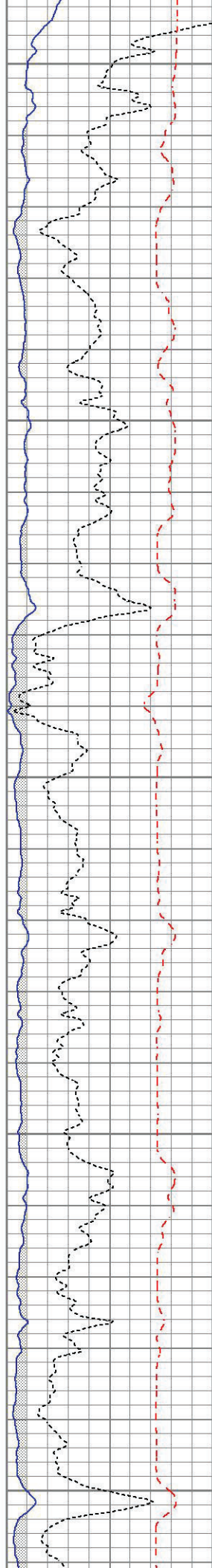






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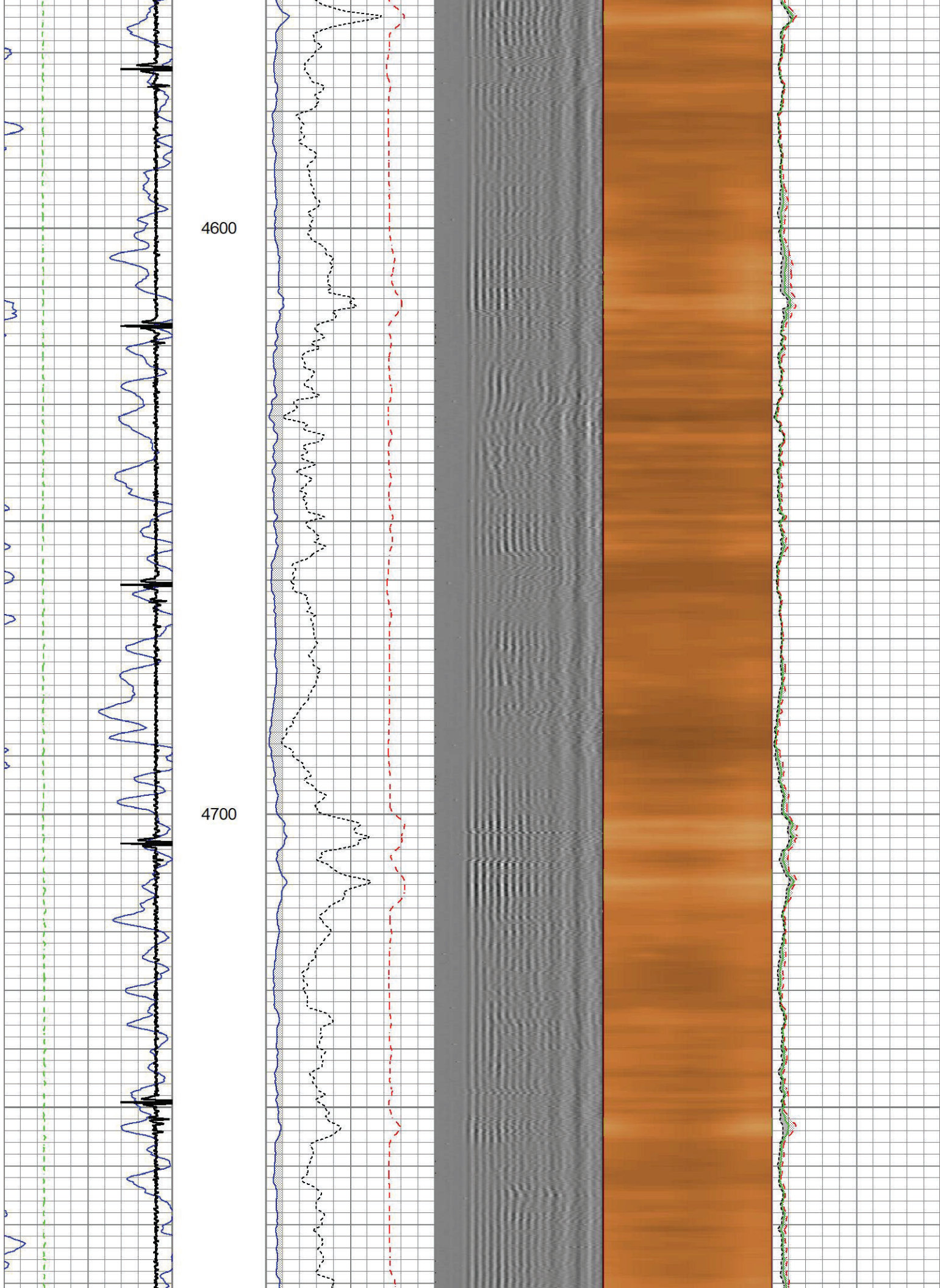
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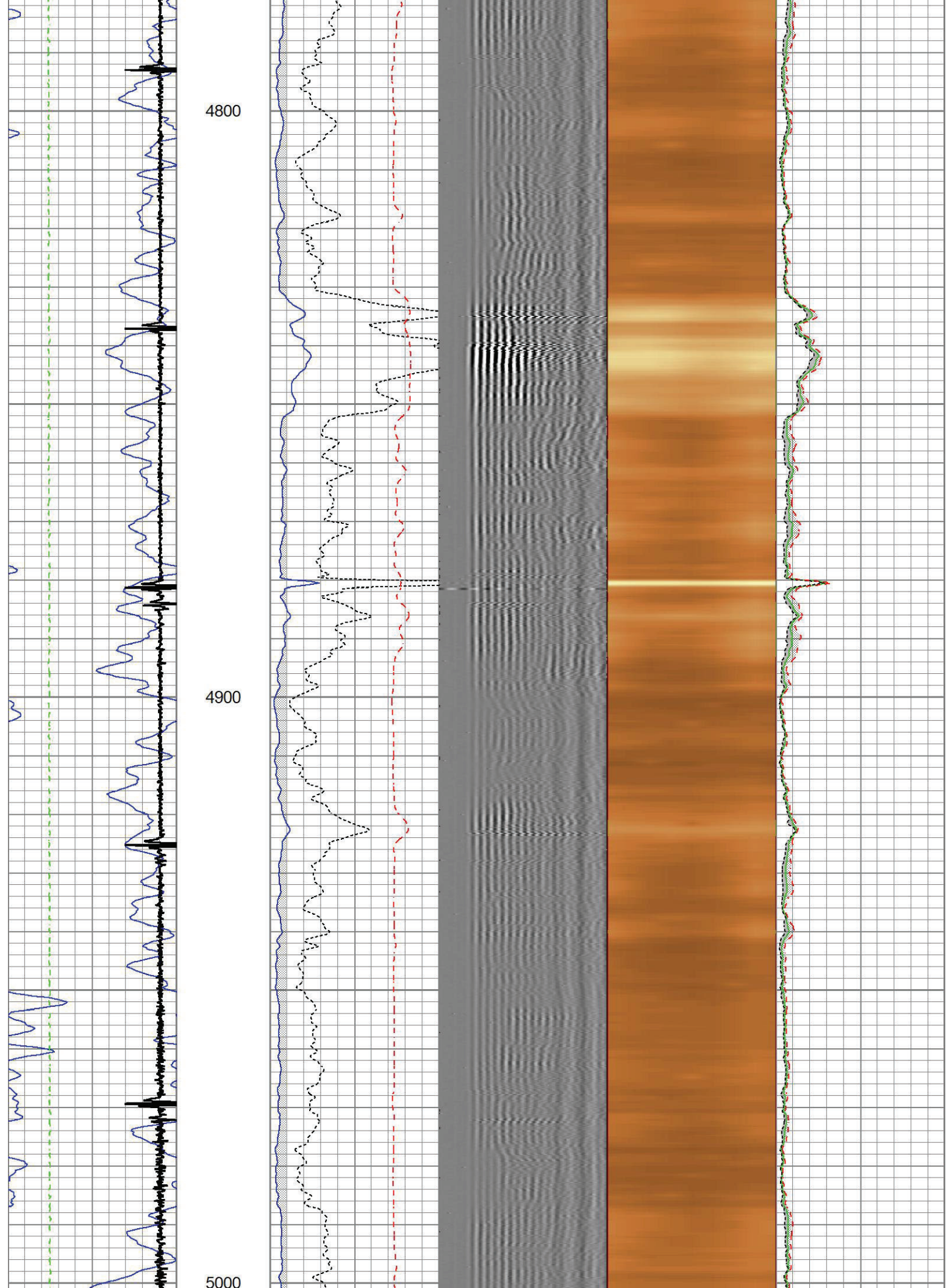


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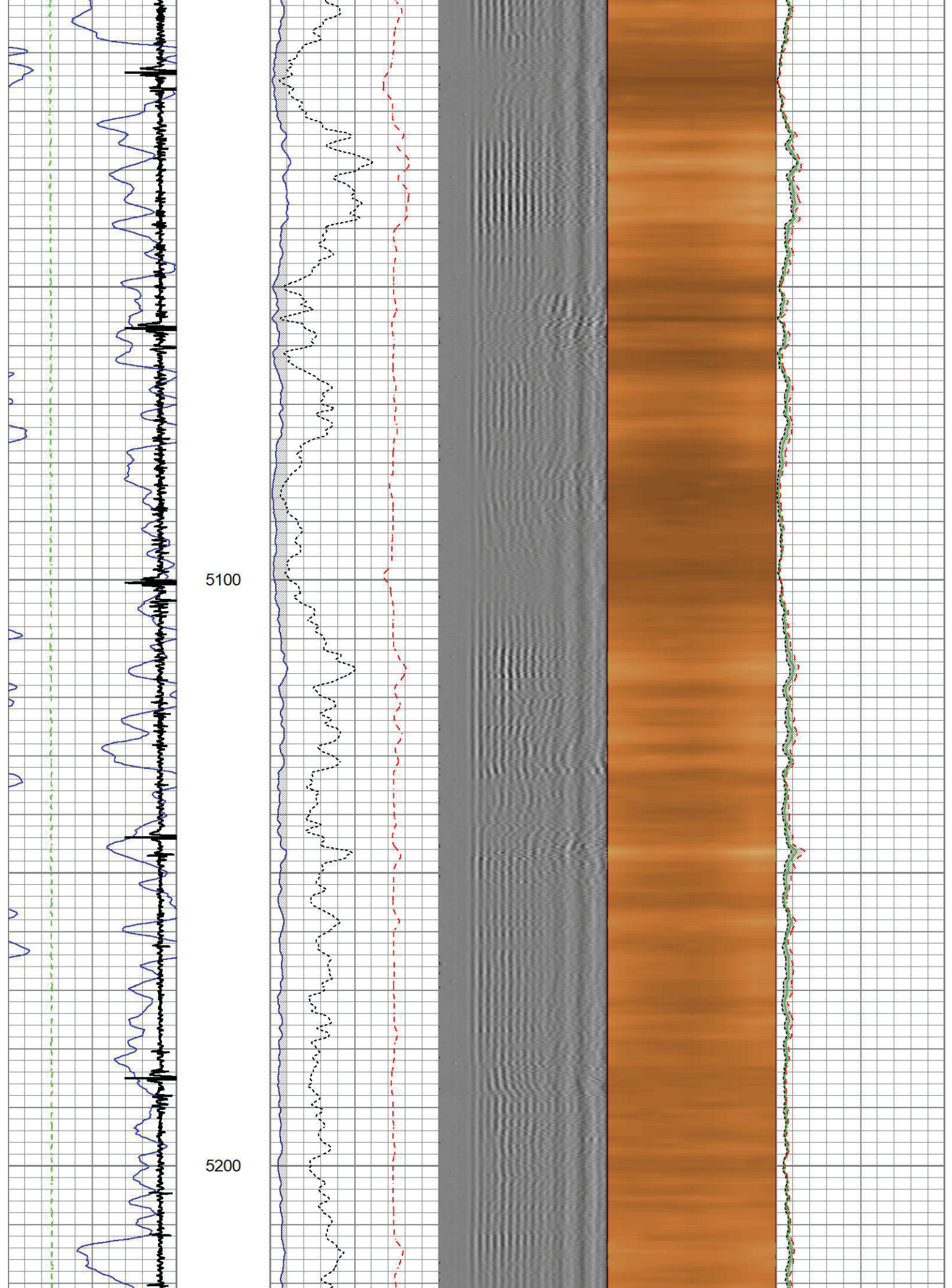
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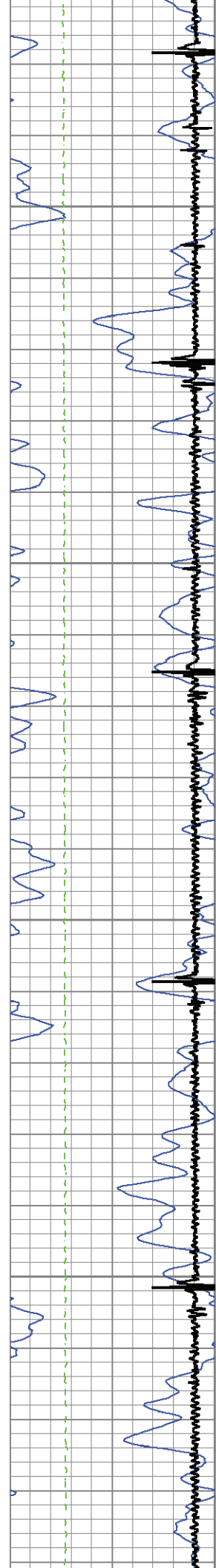






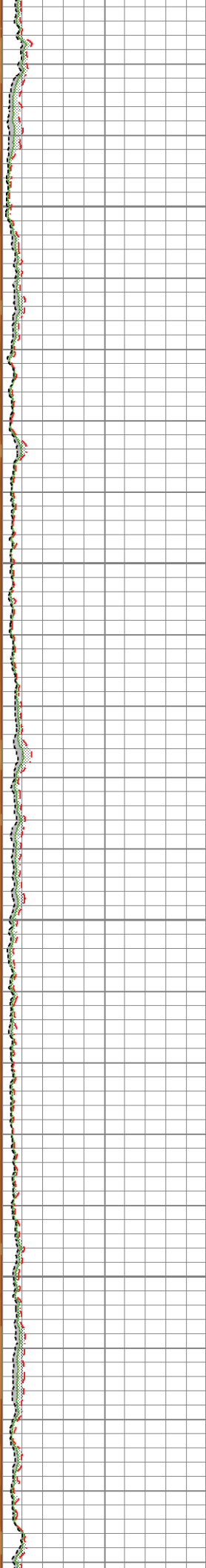
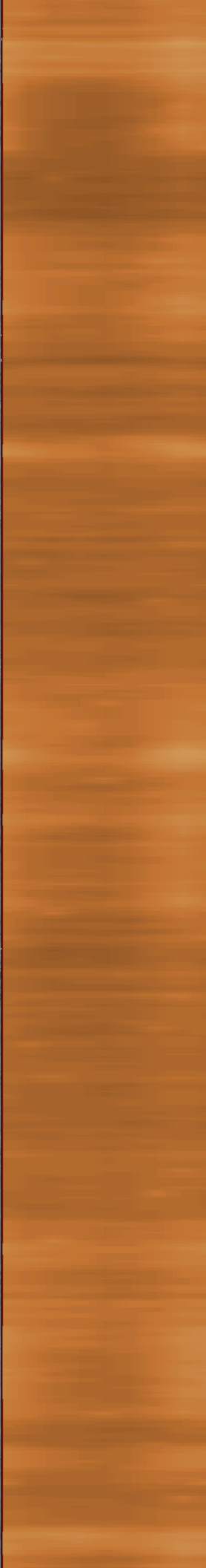
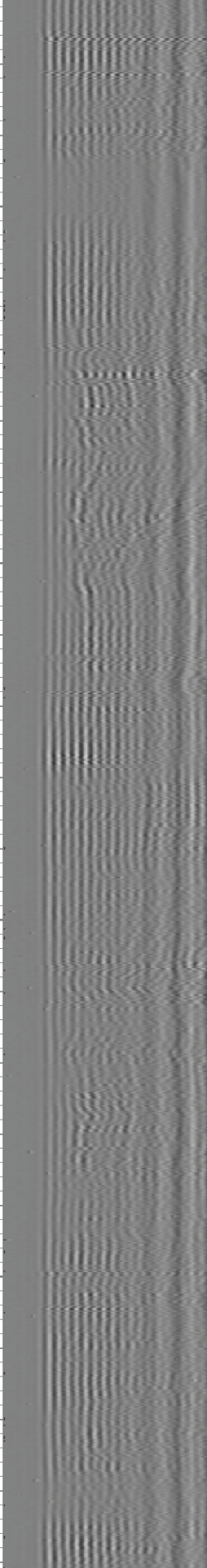
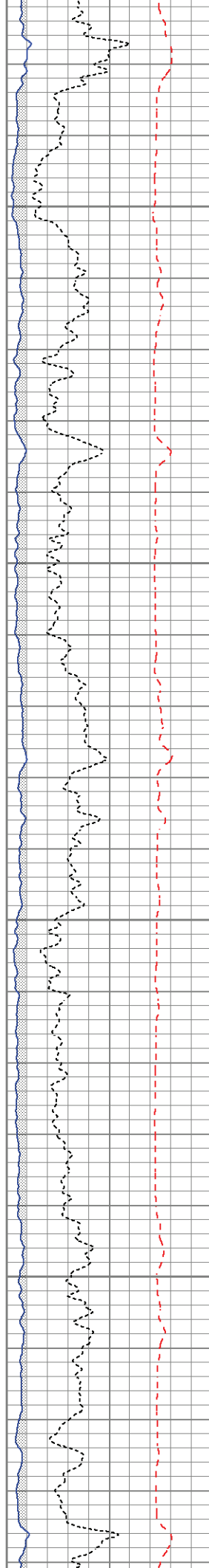




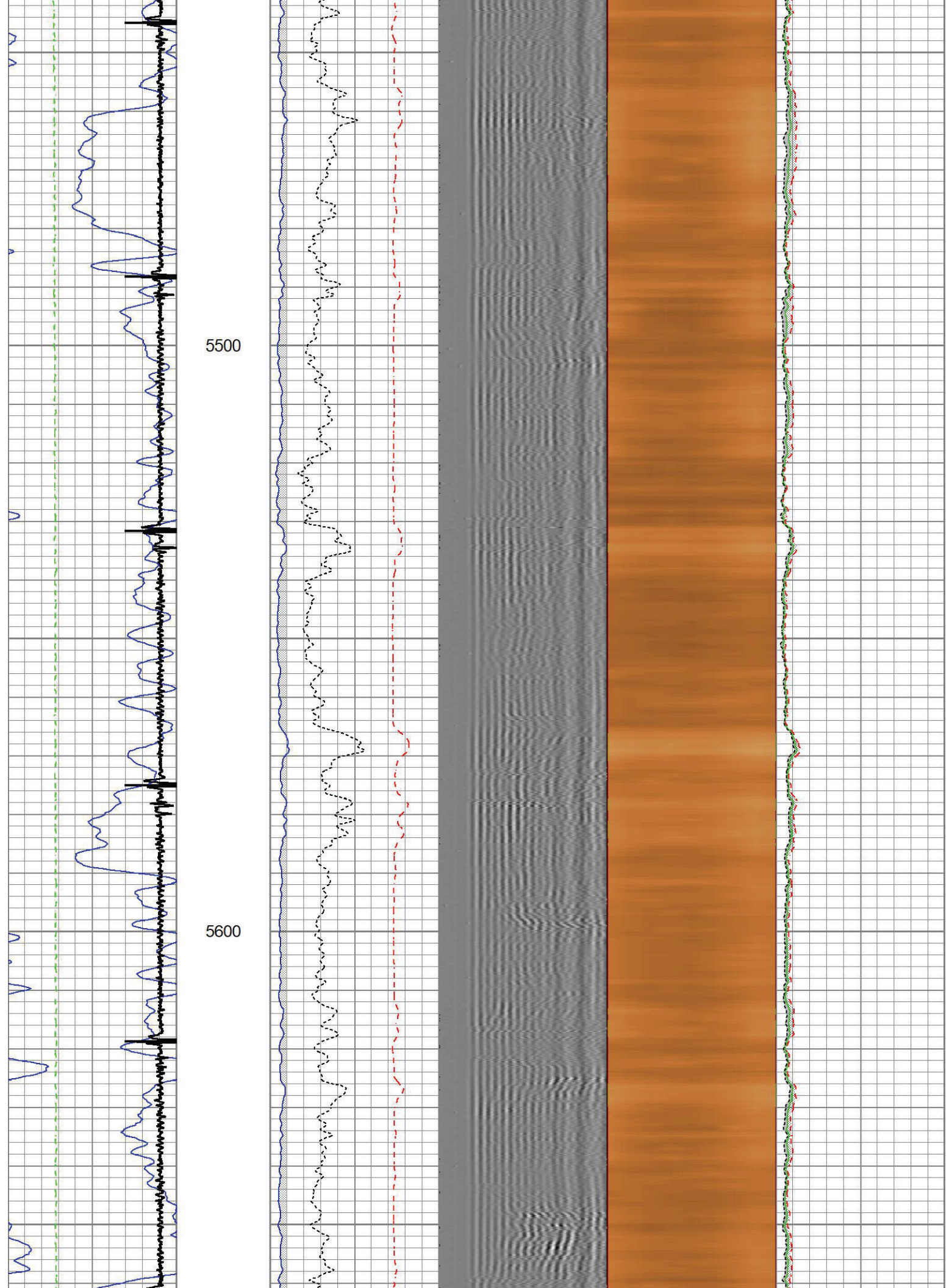


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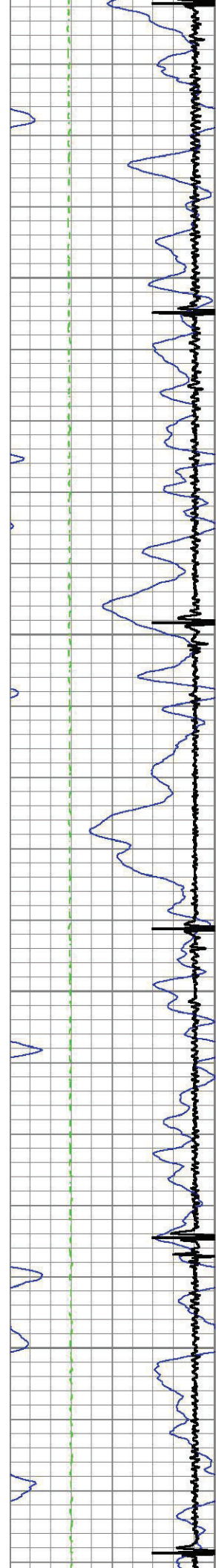
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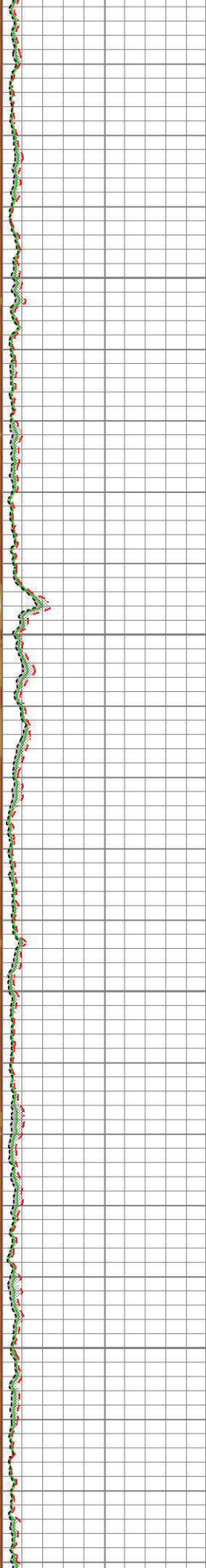
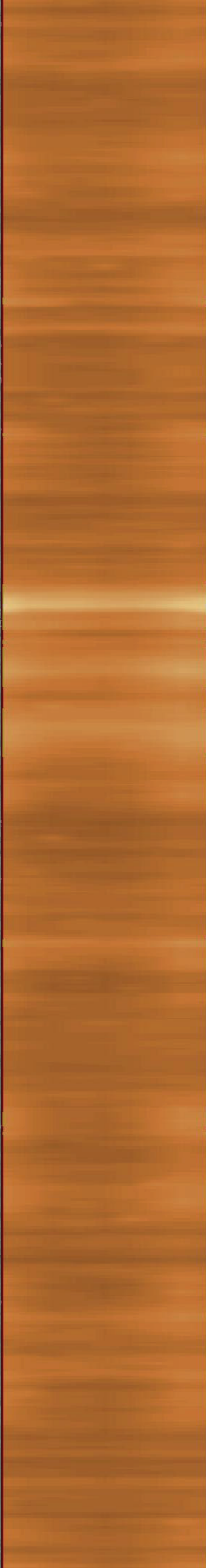
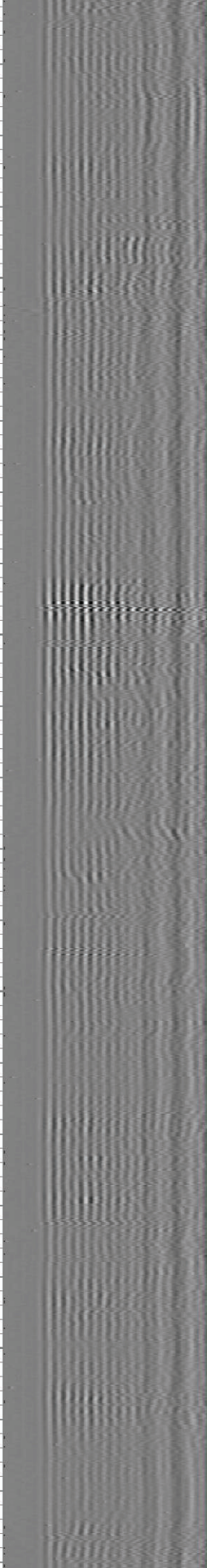
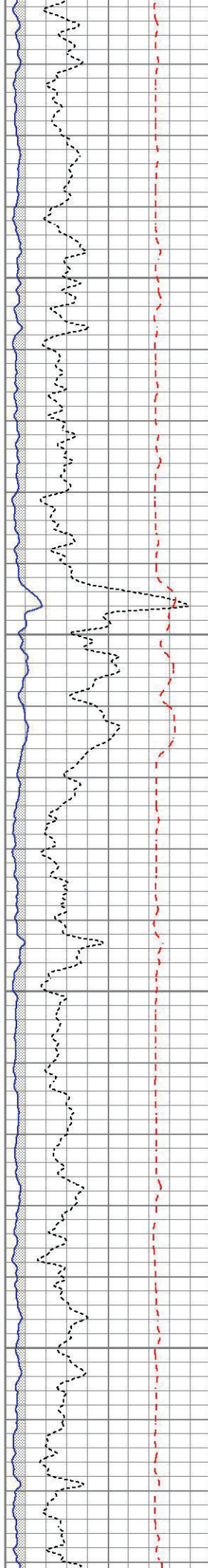




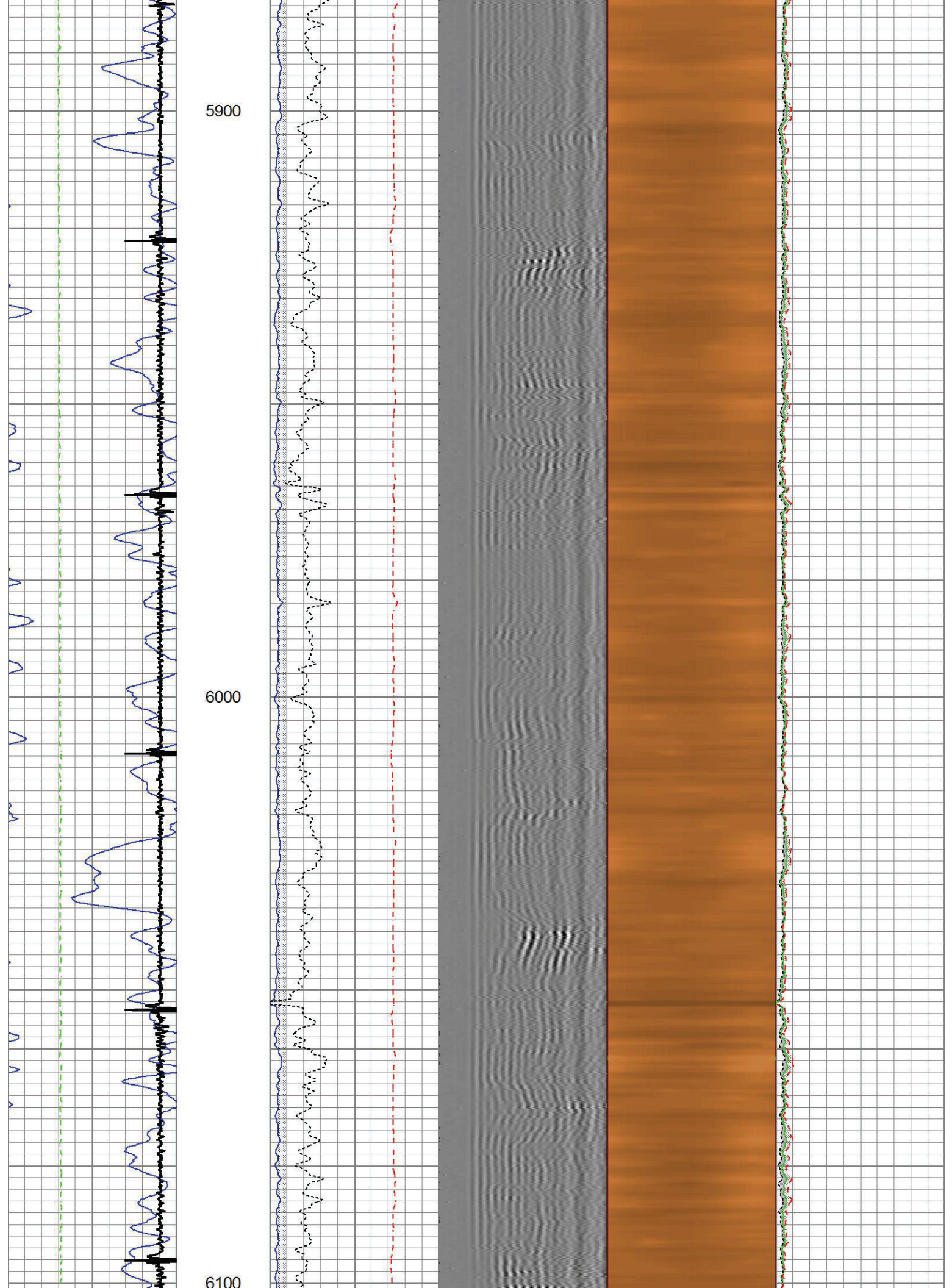


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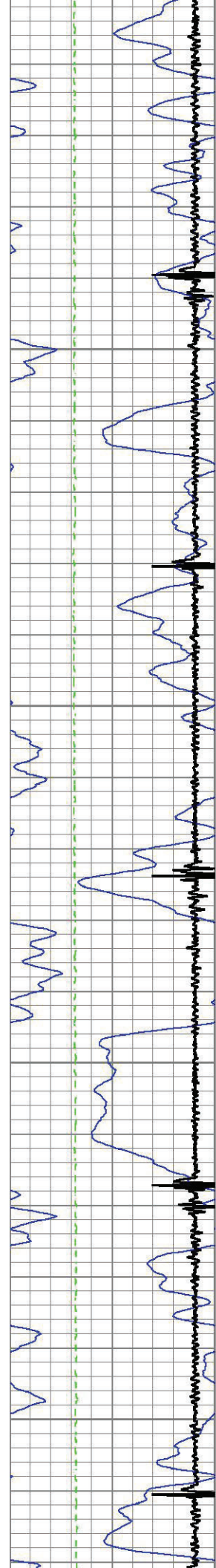
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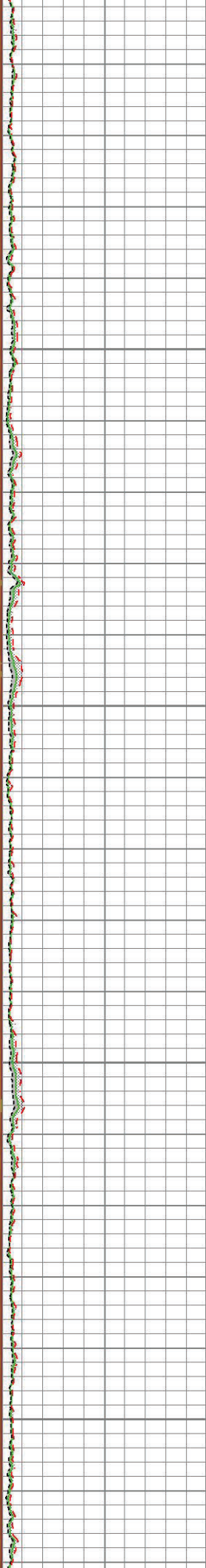
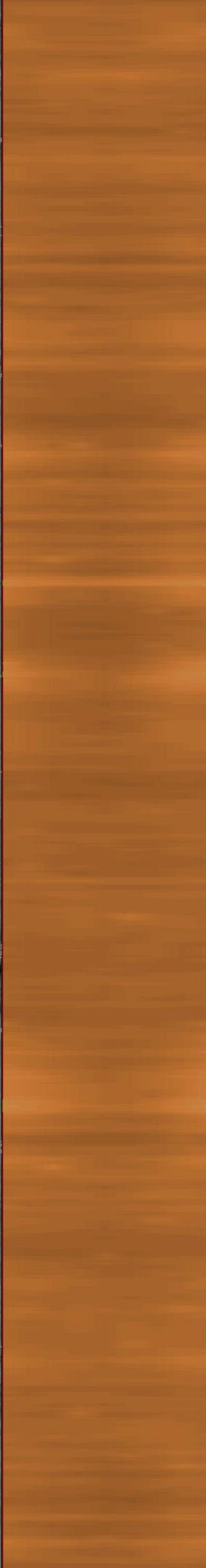
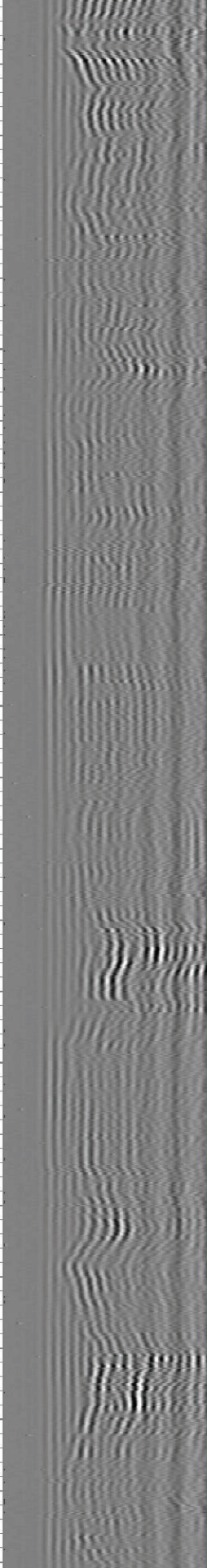
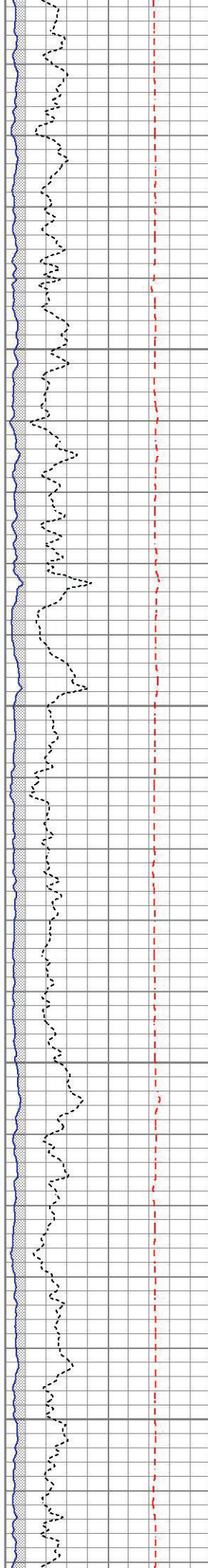




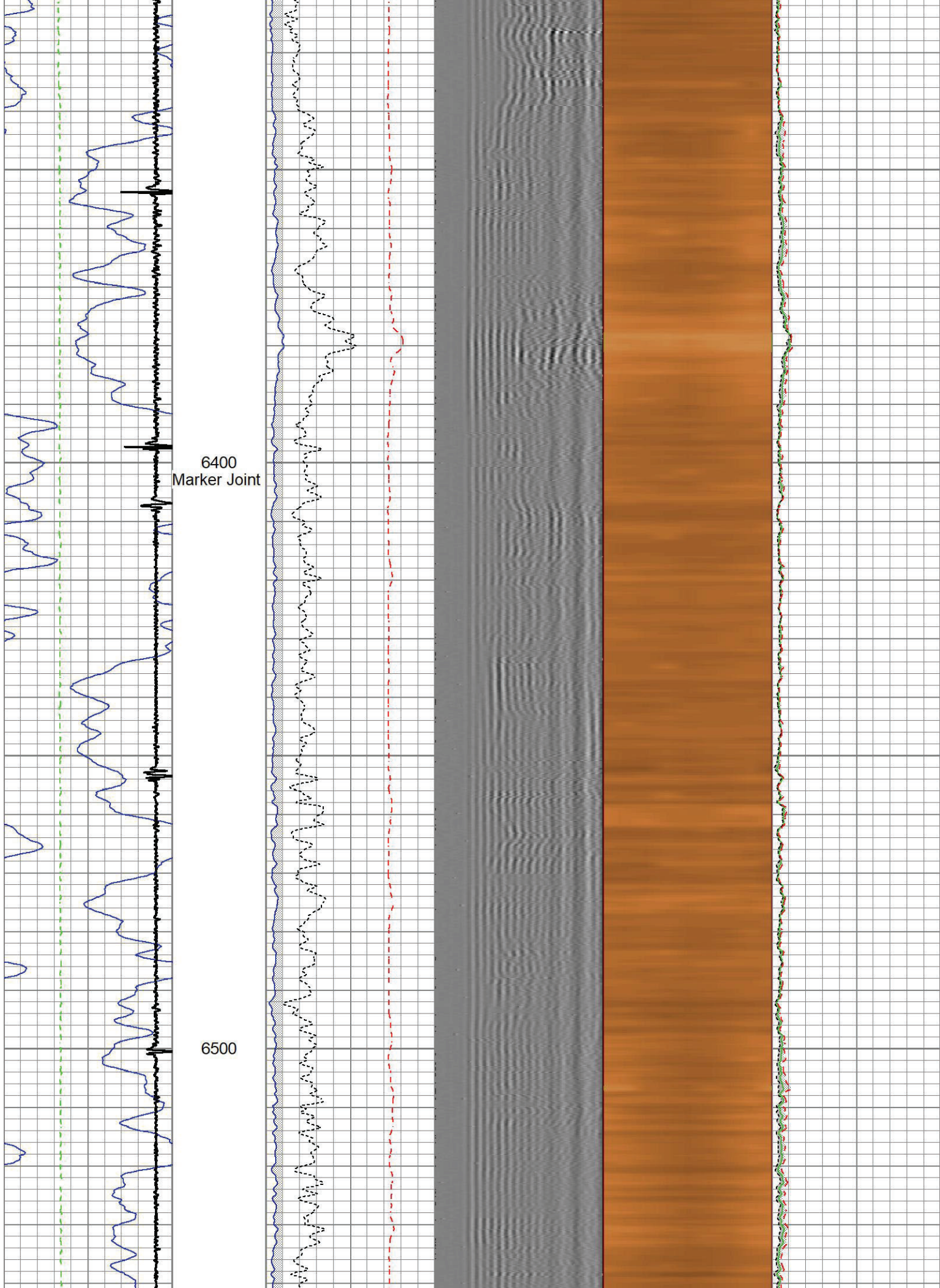


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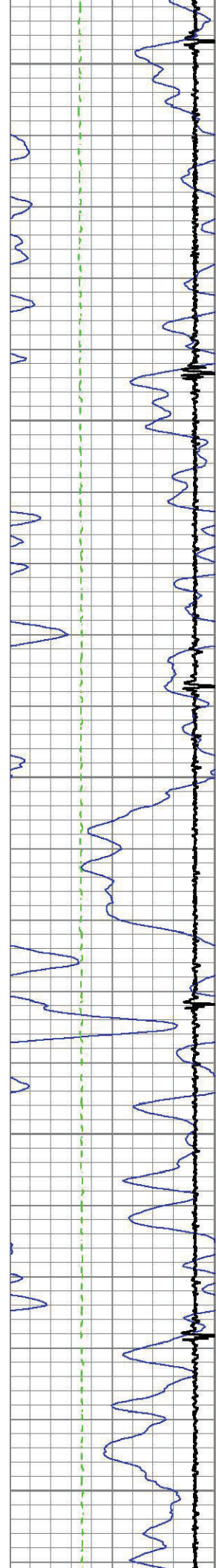
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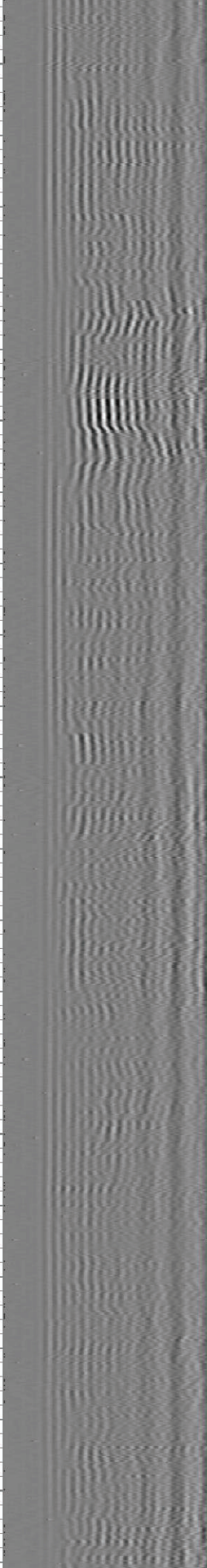
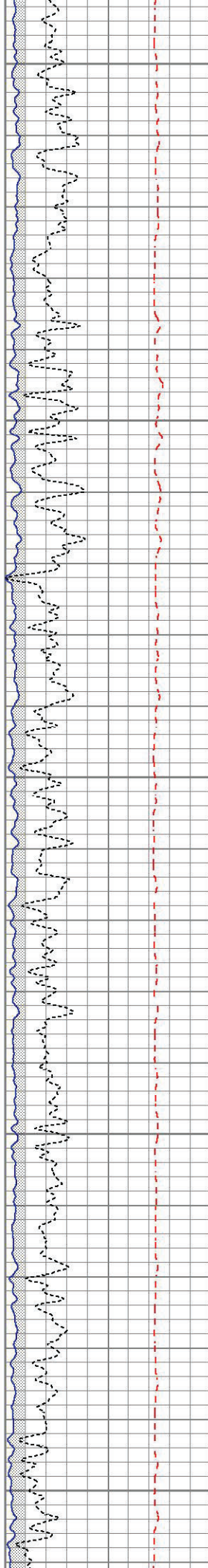




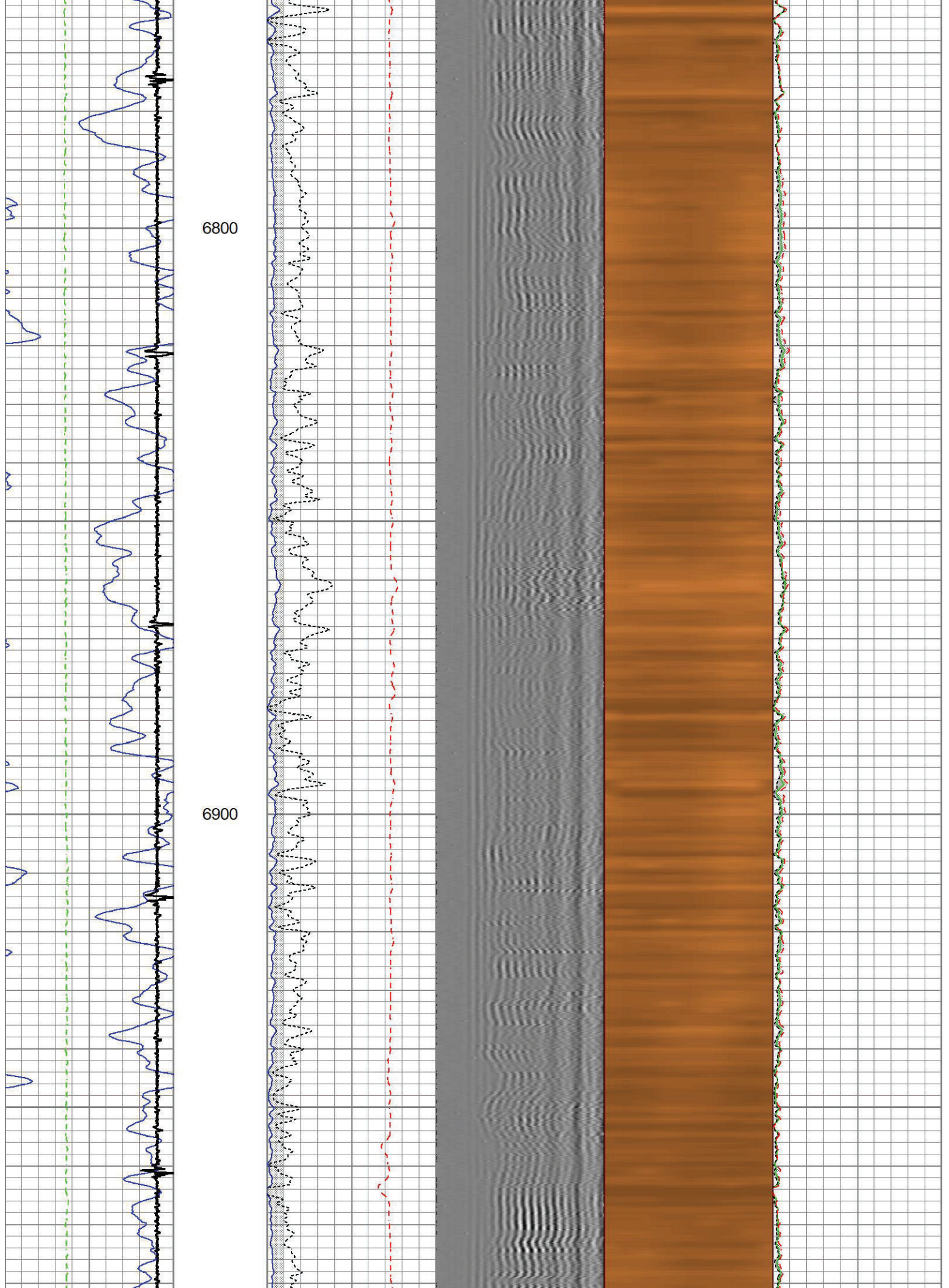


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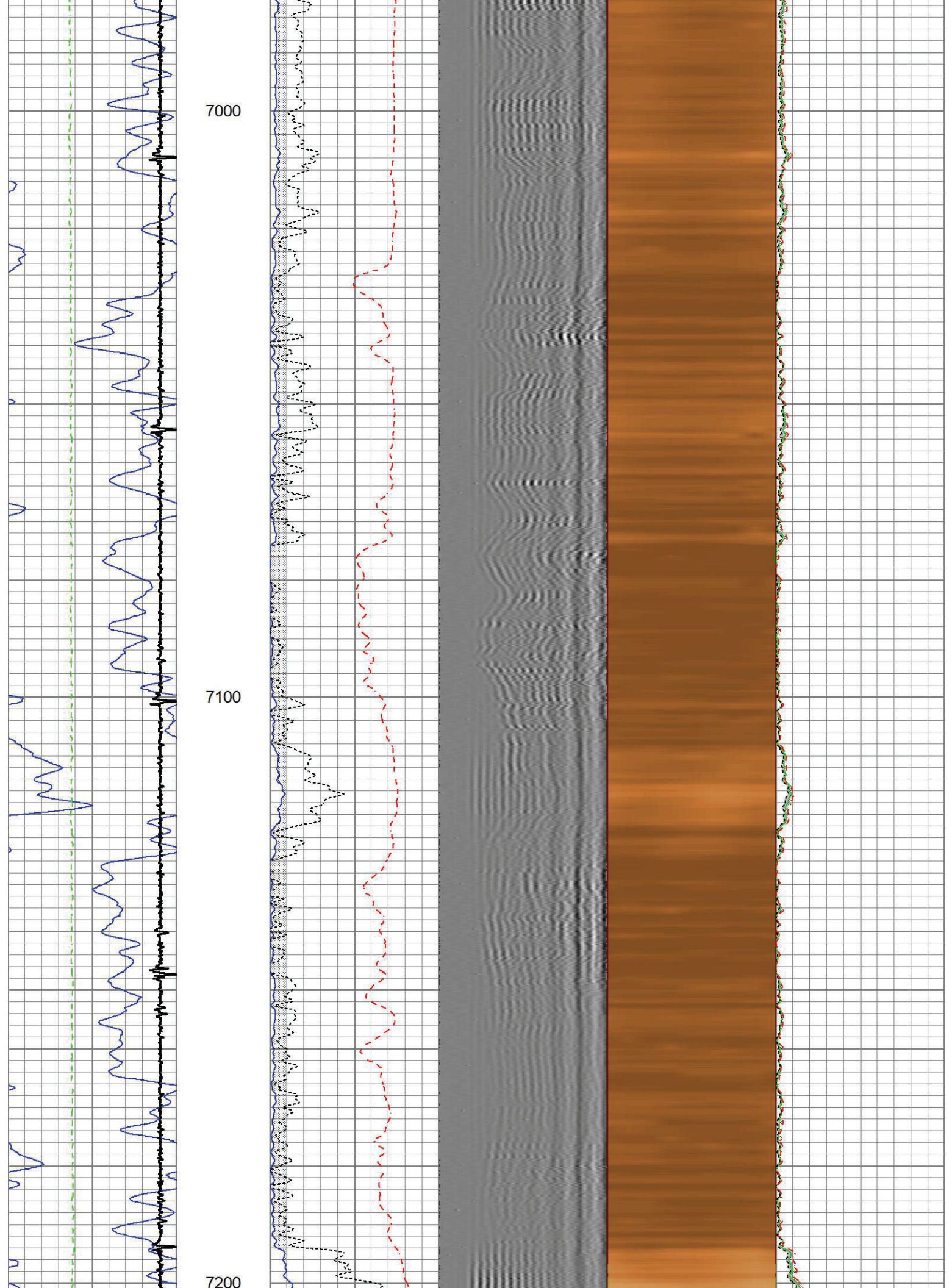
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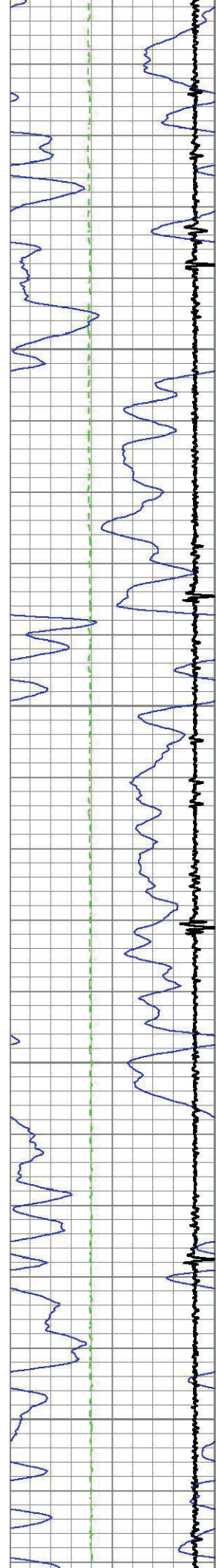






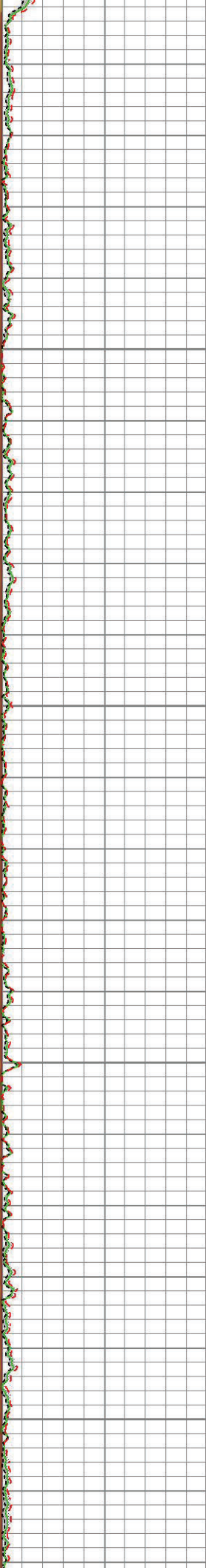
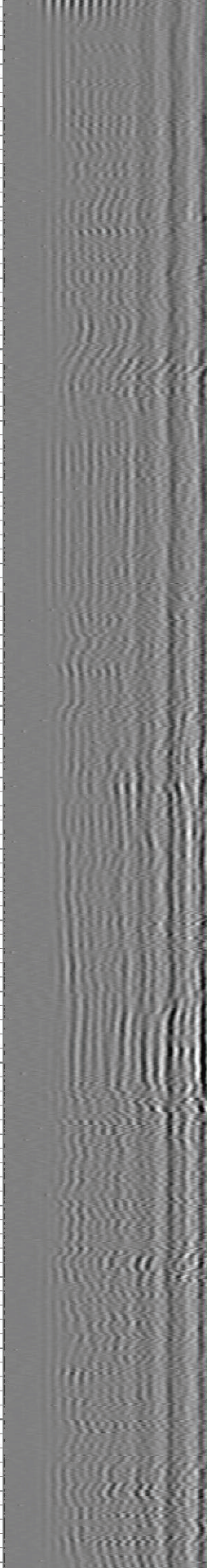
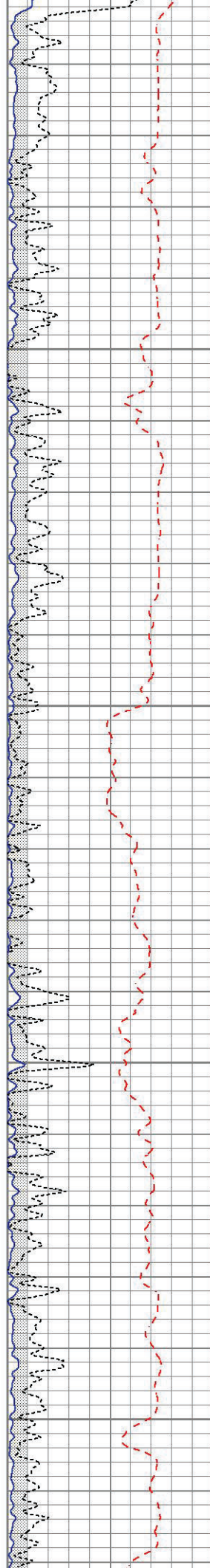




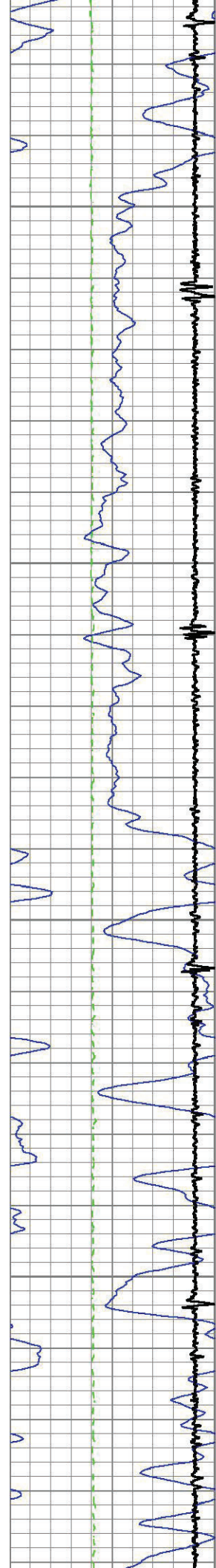


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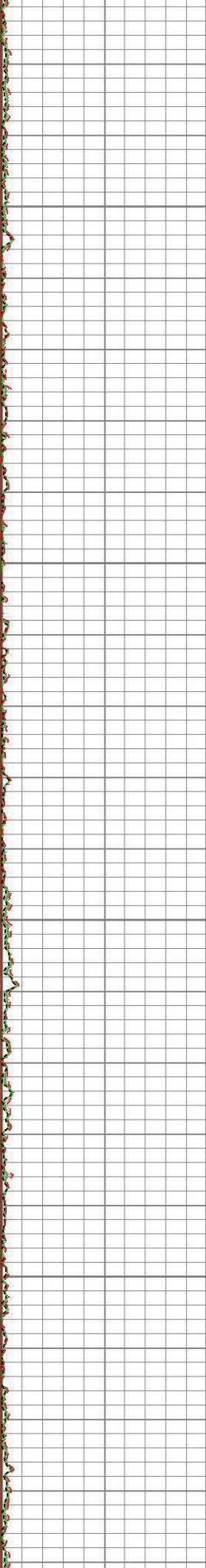
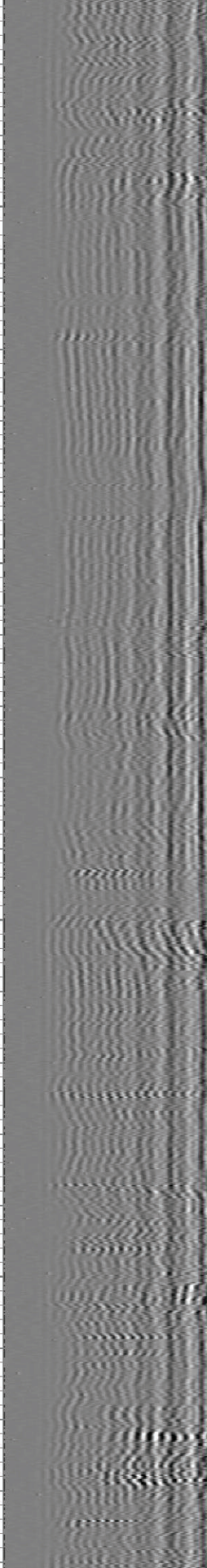
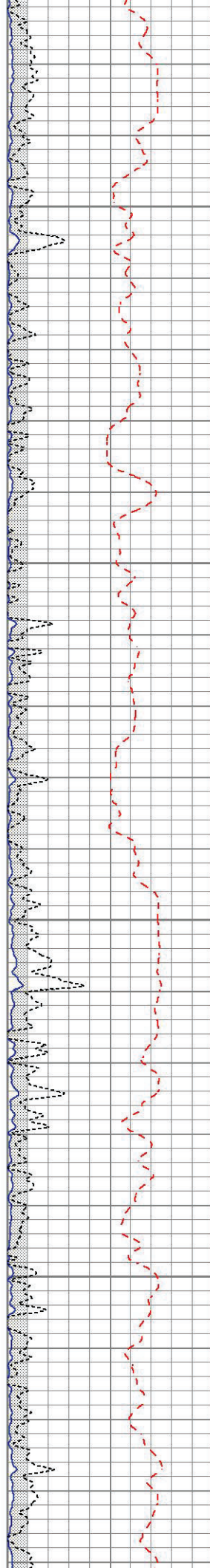




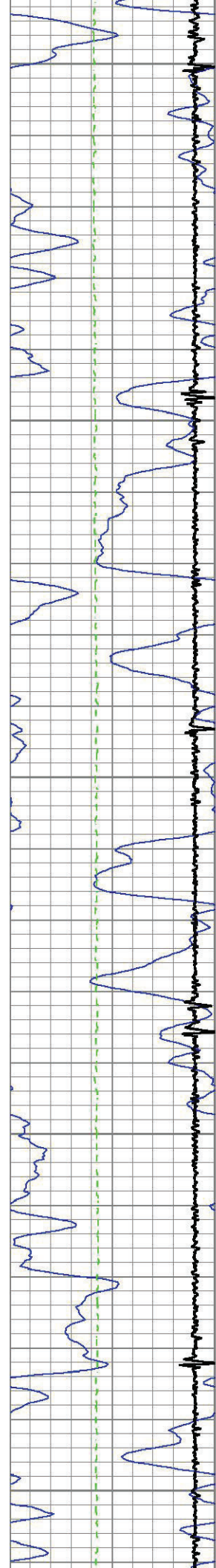


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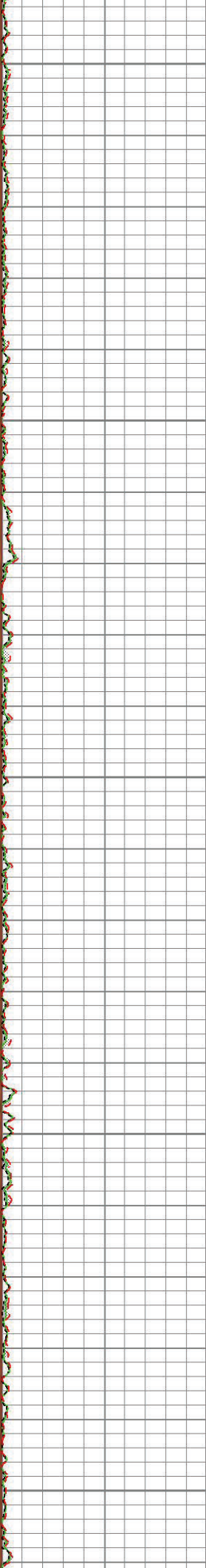
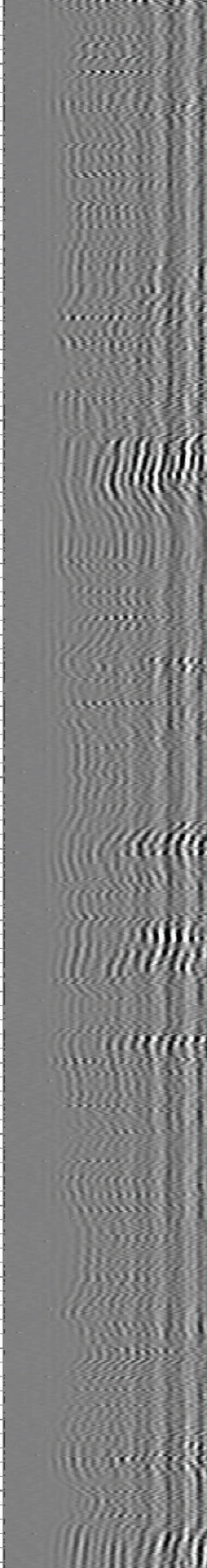
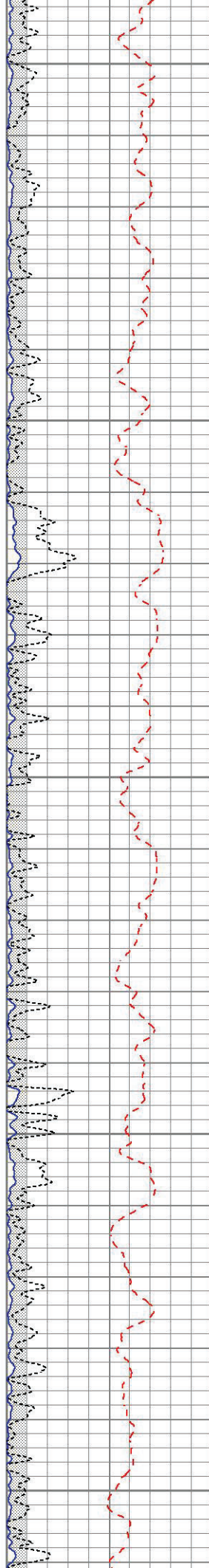




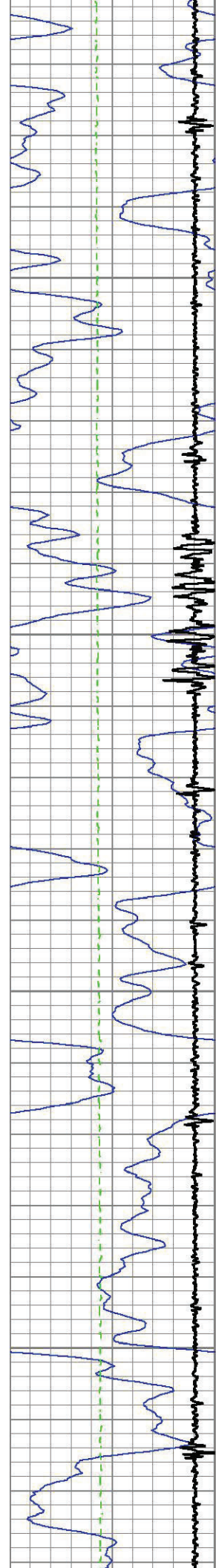


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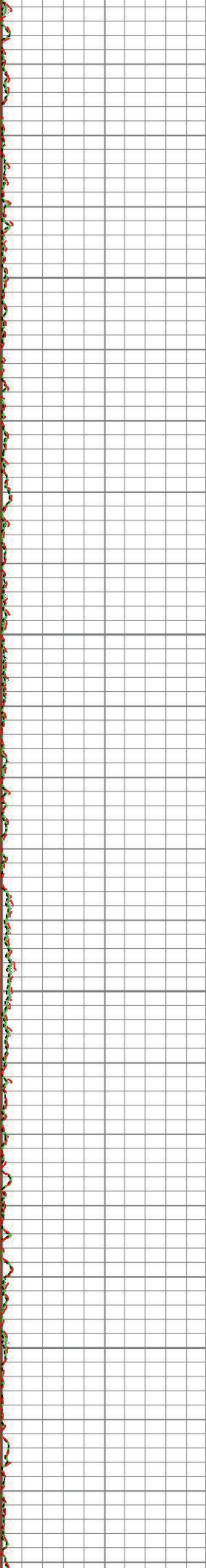
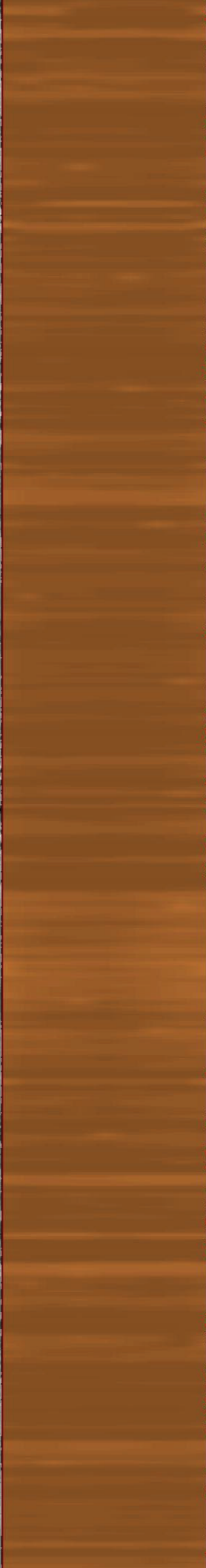
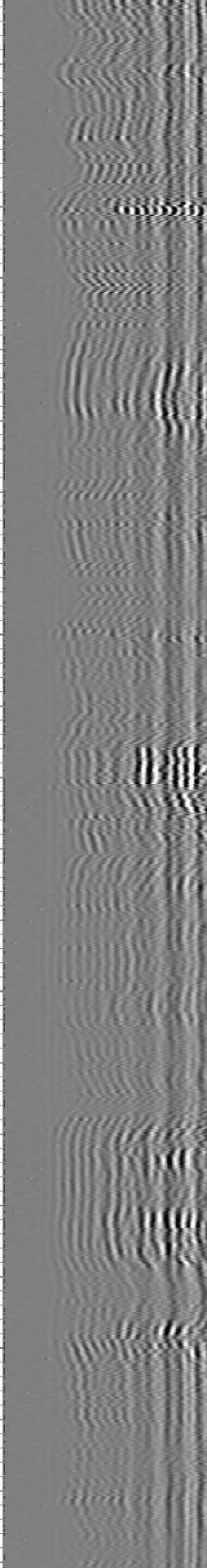
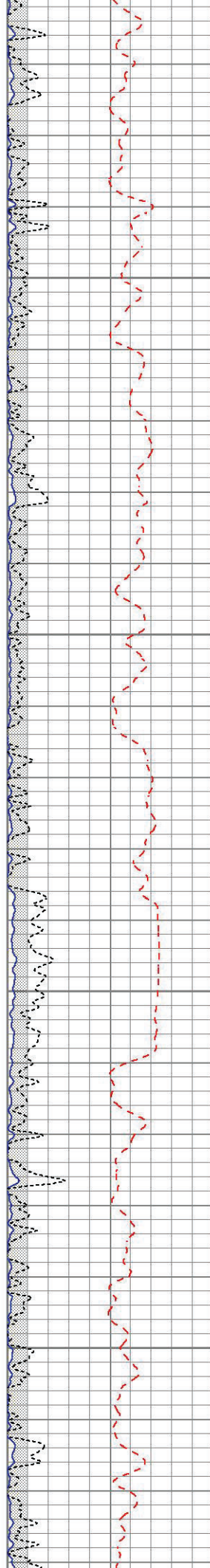




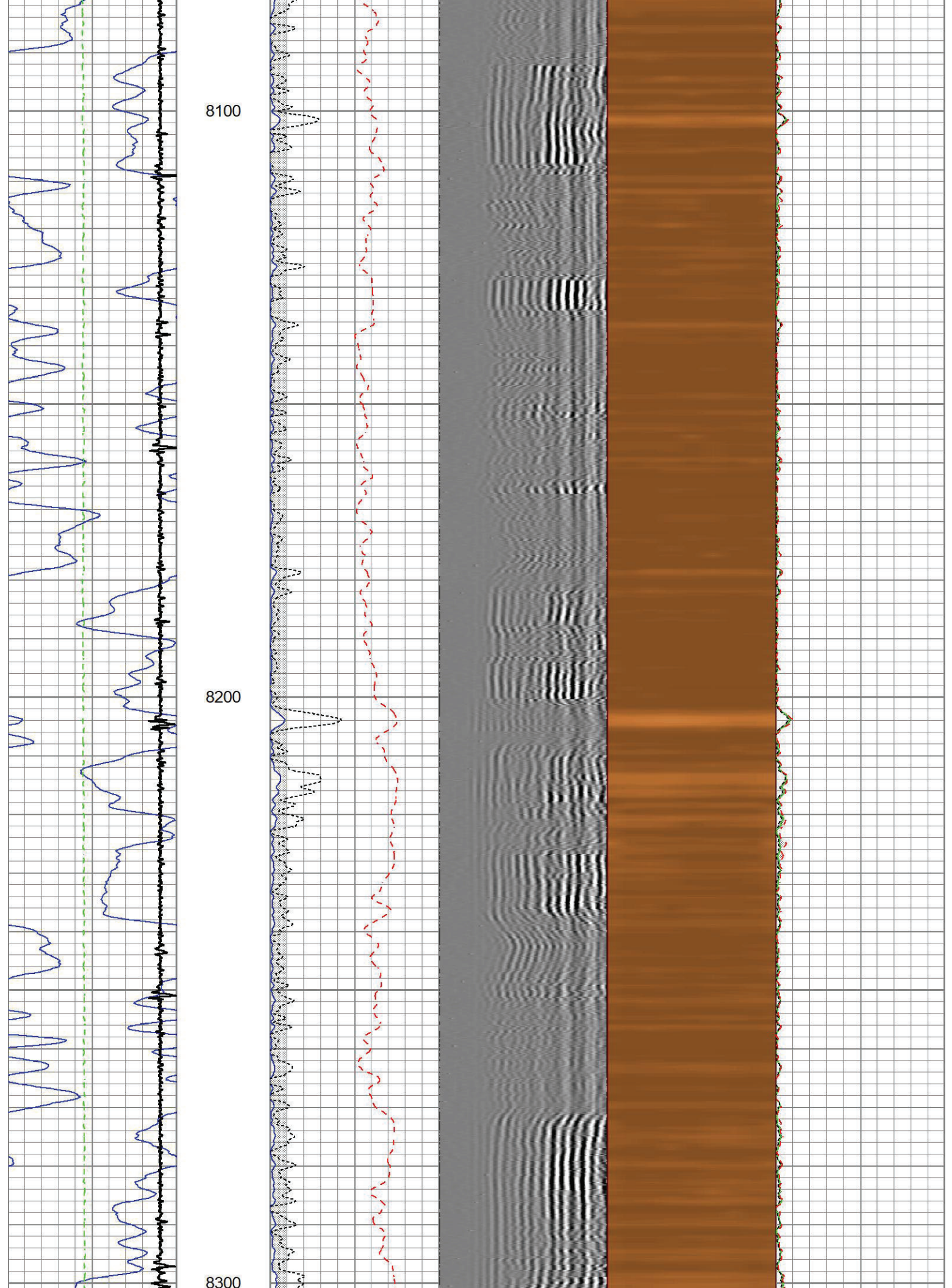


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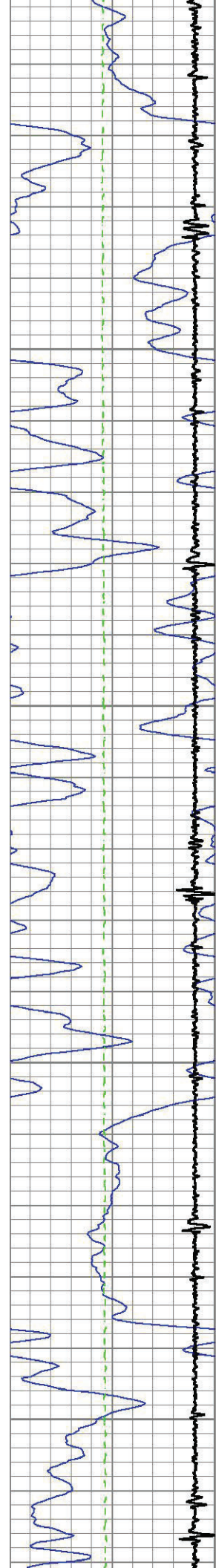
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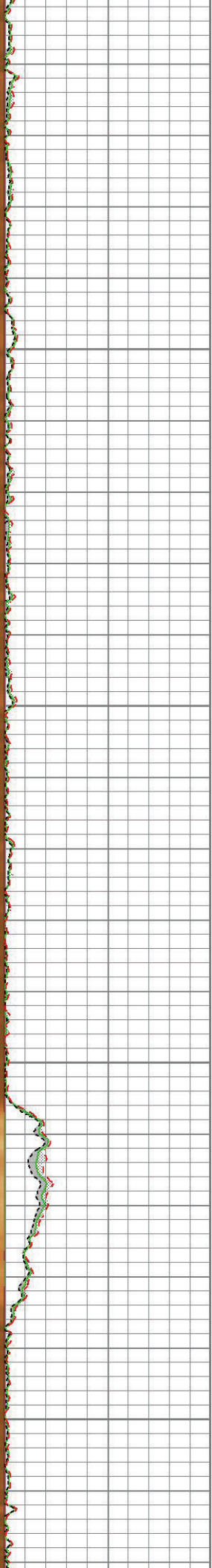
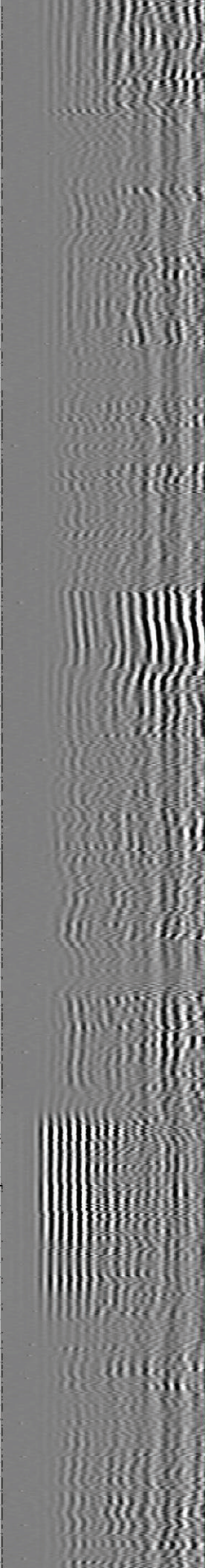
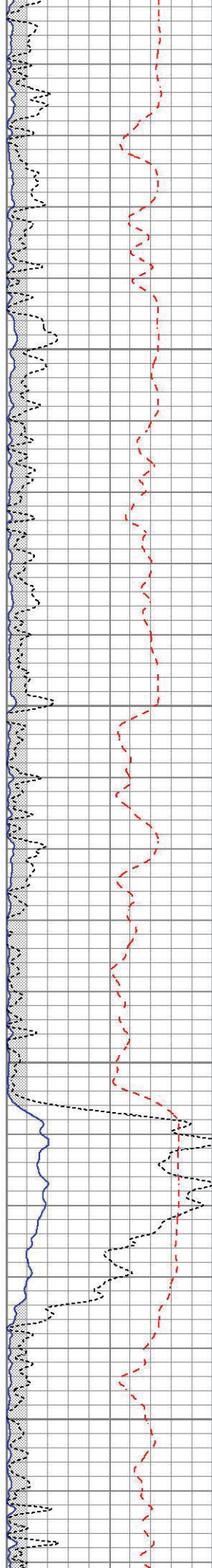




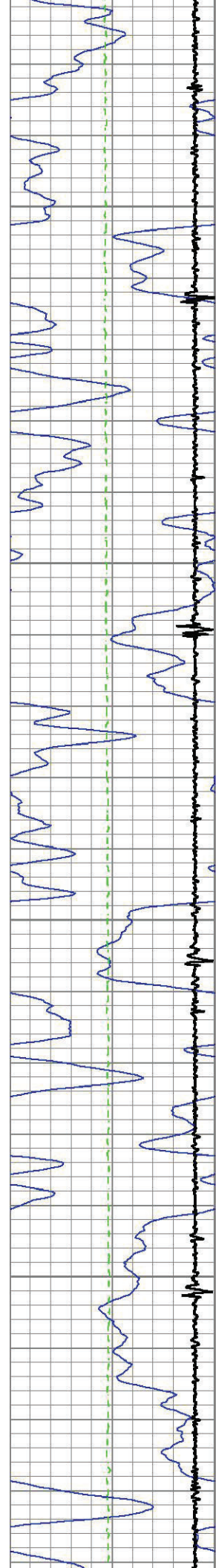


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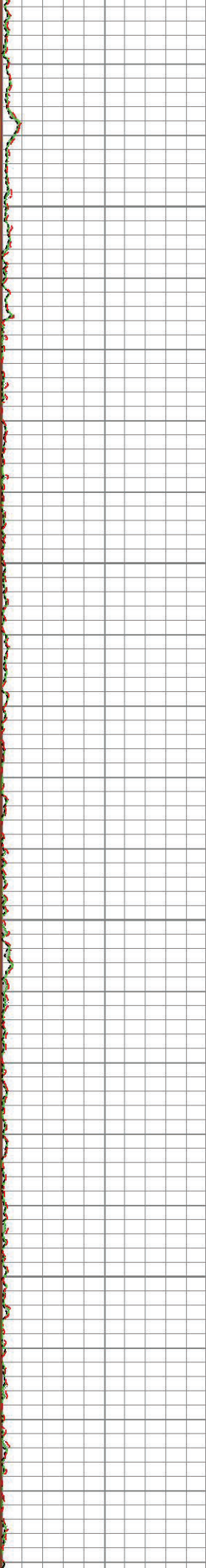
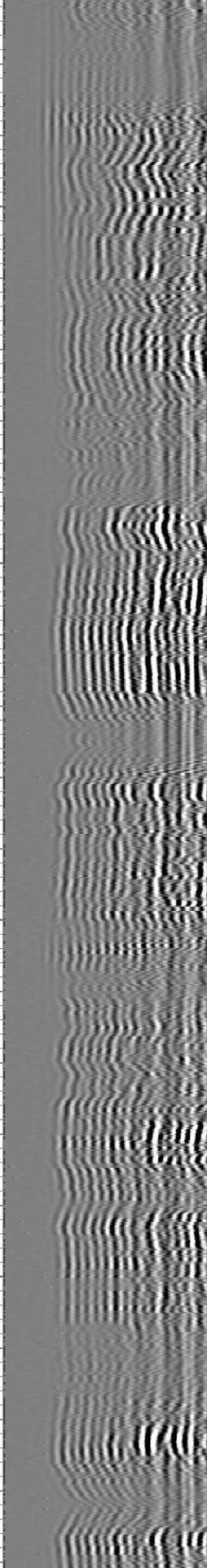
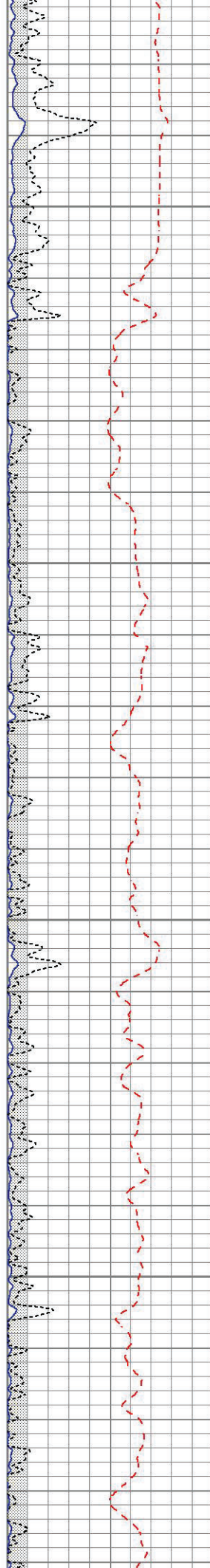




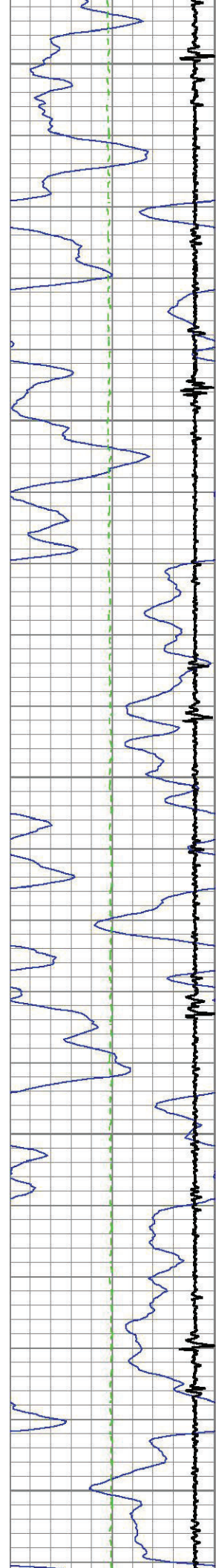


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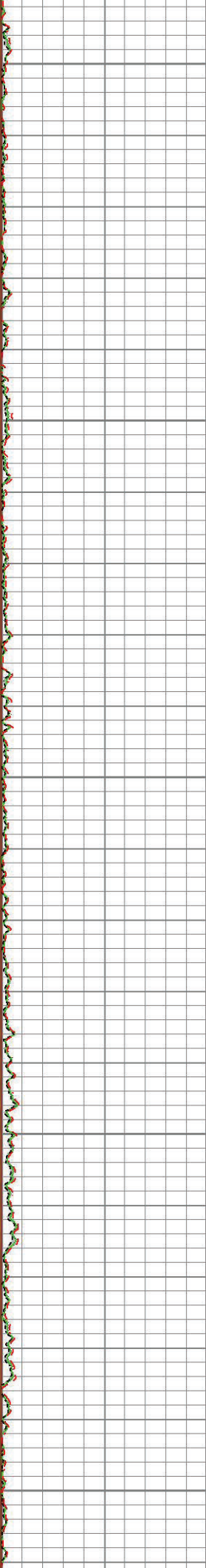
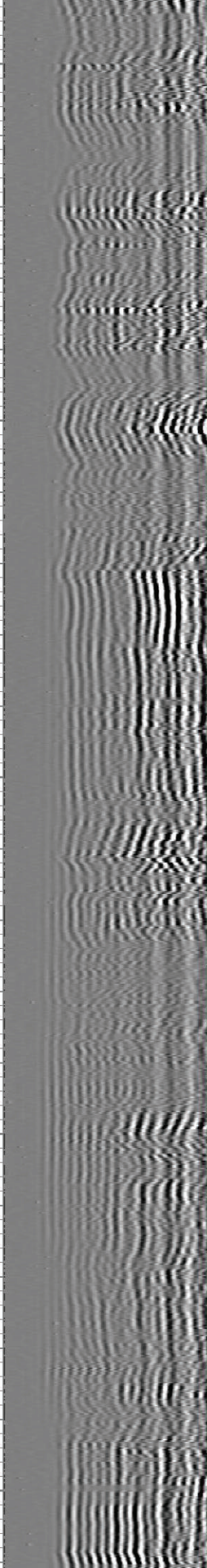
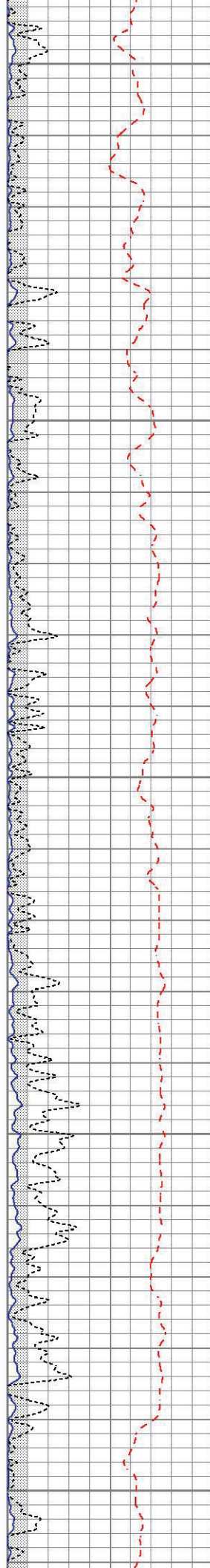




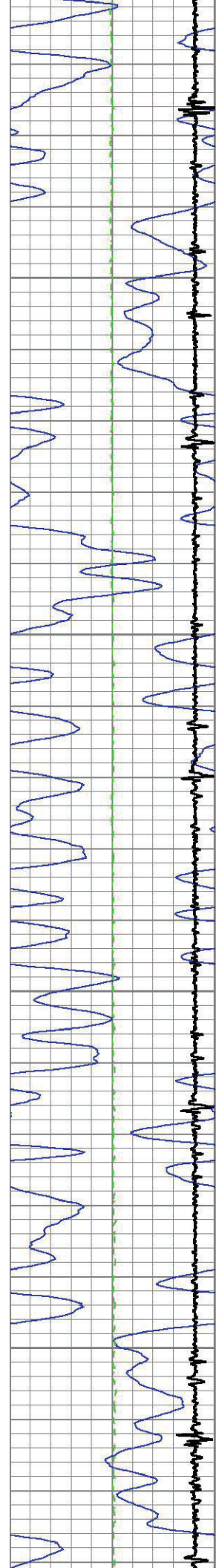


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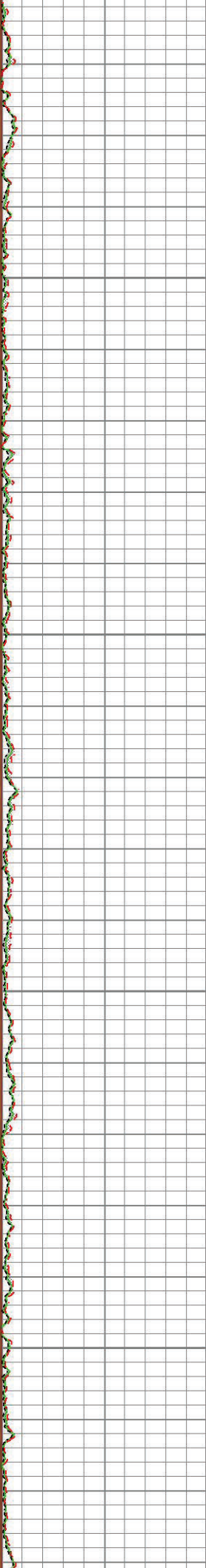
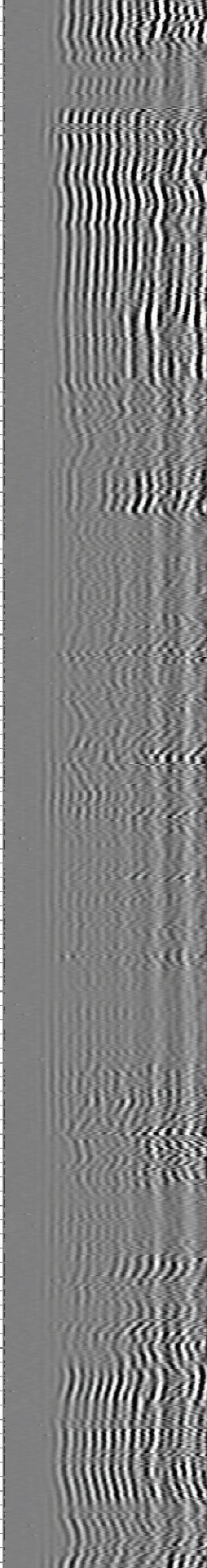
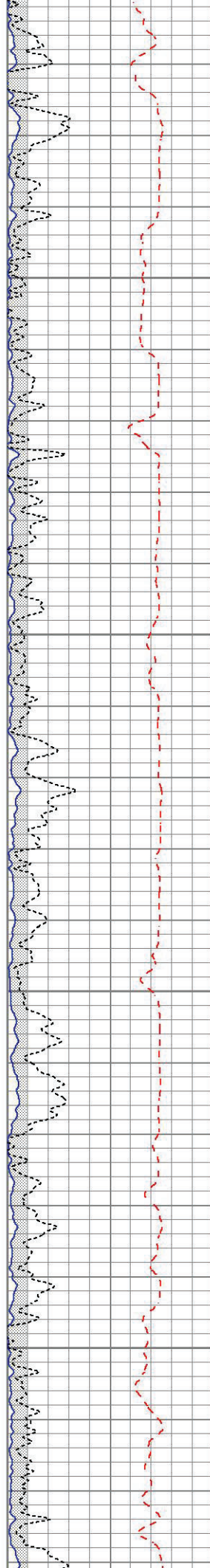




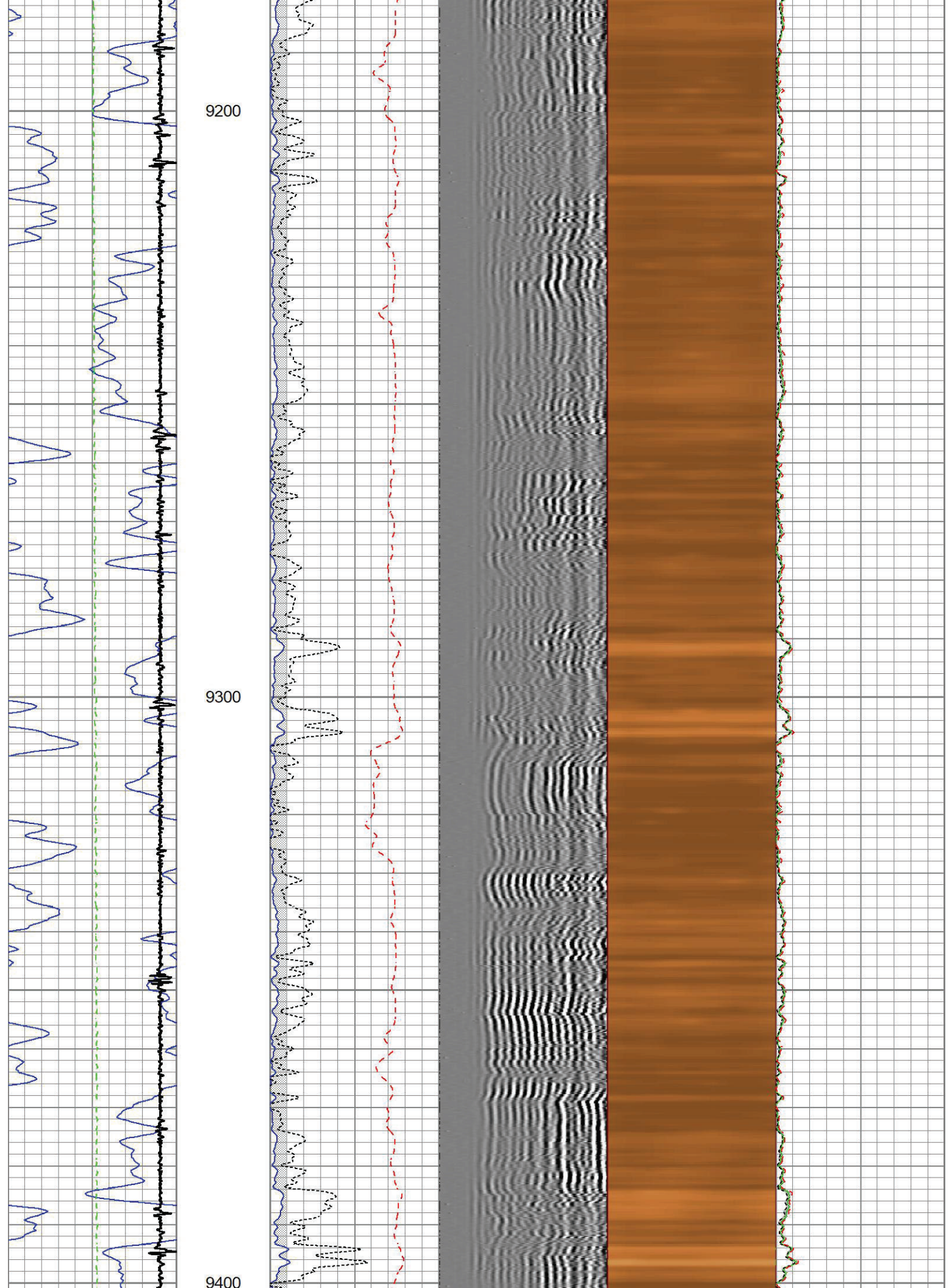


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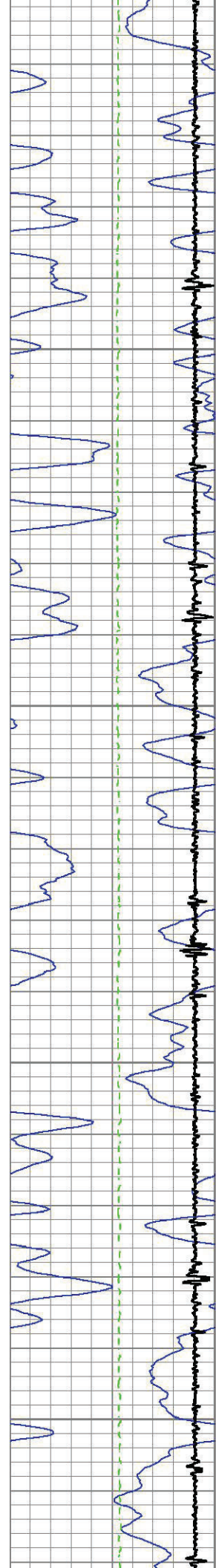
9100





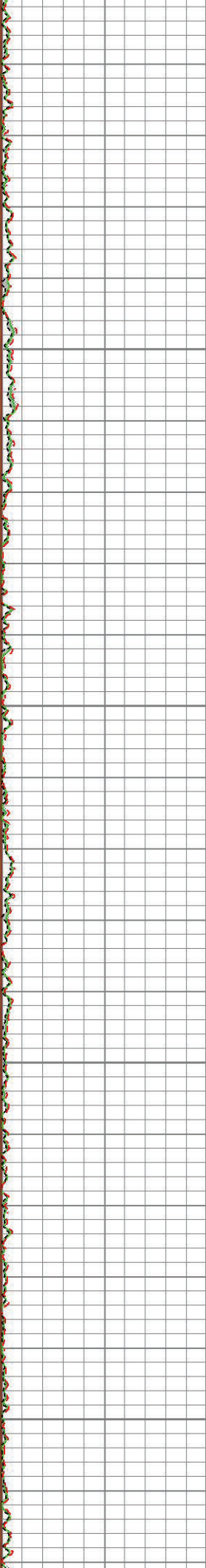
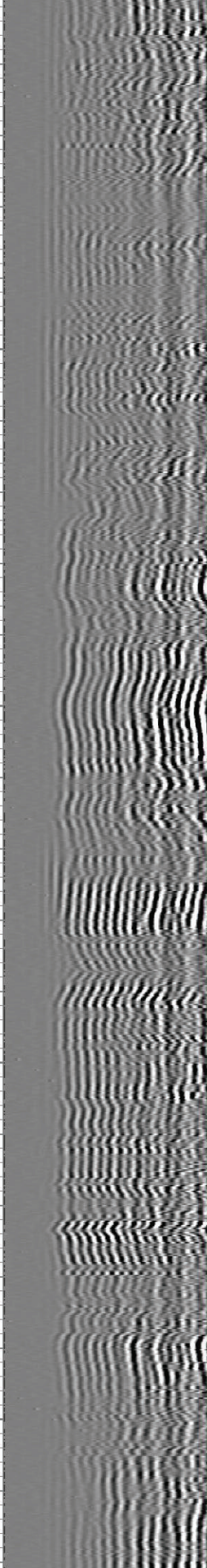
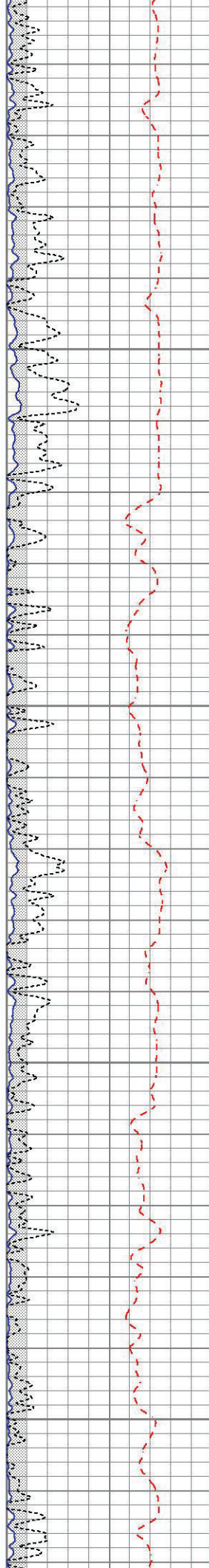




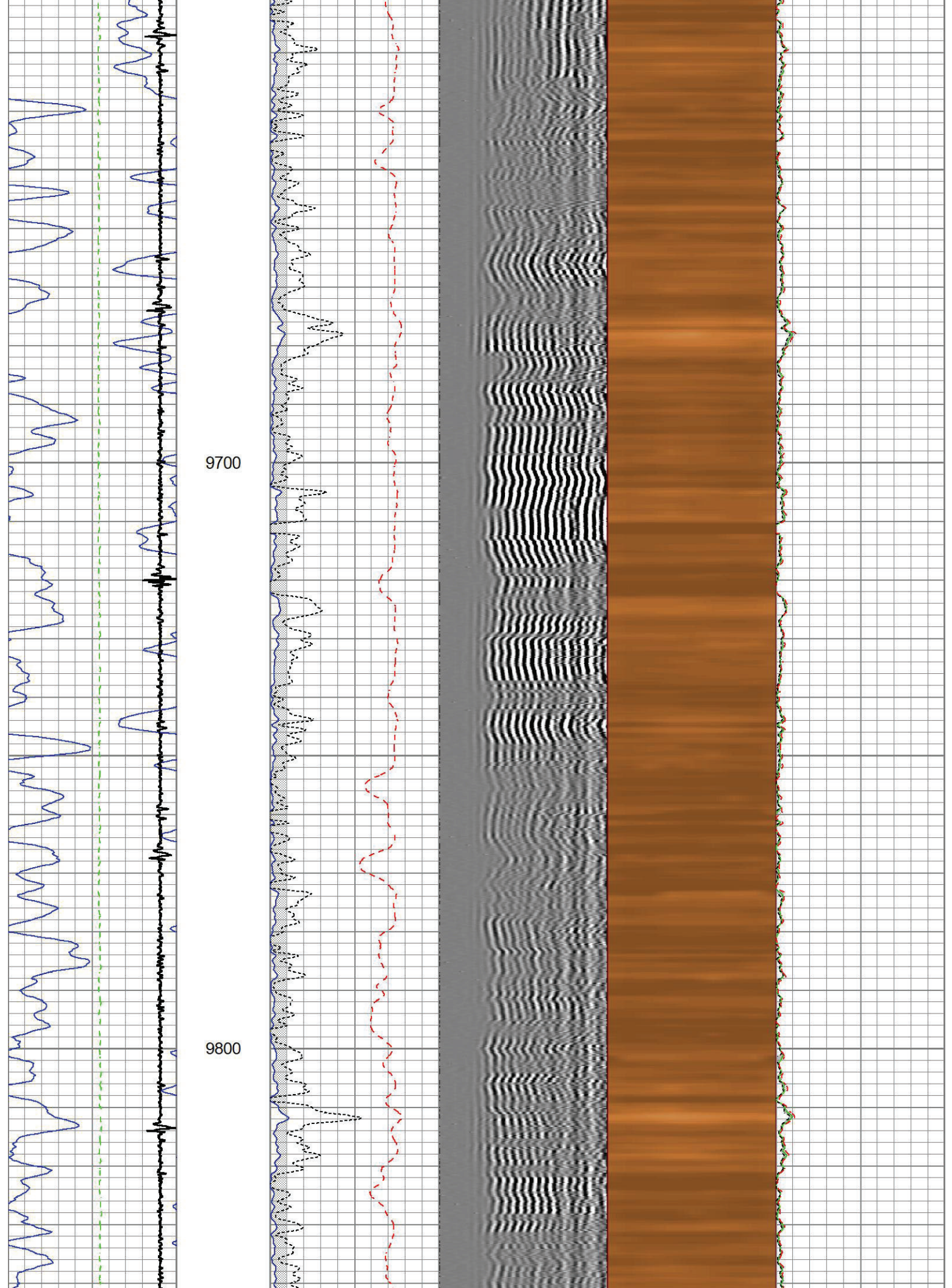


9500

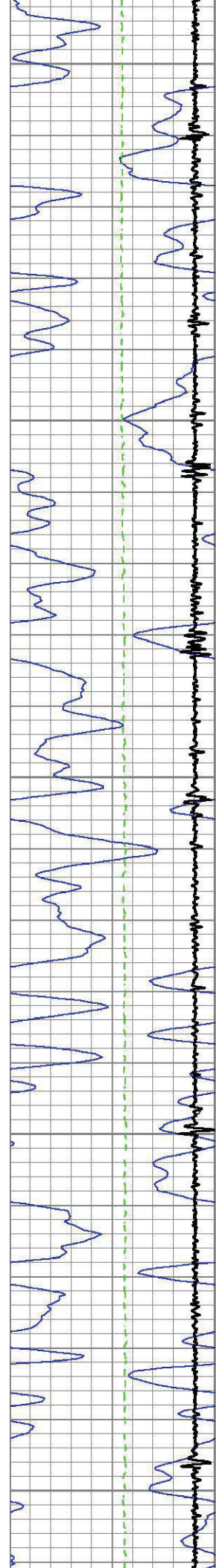
9600





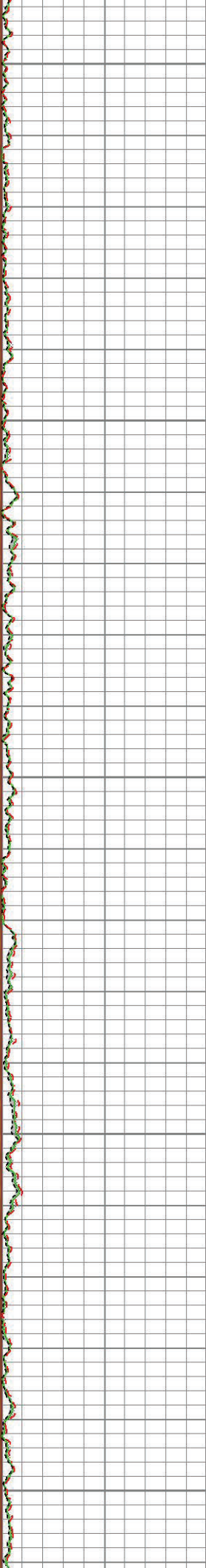
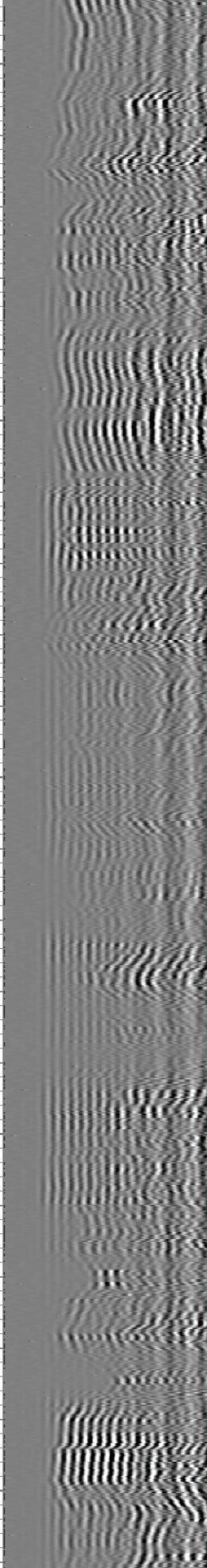
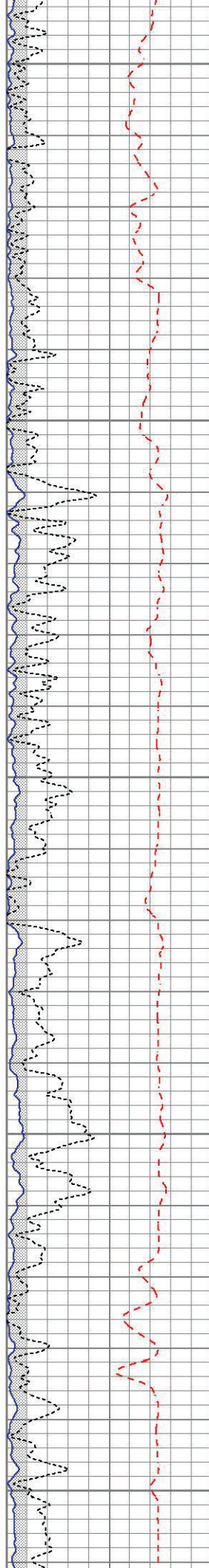




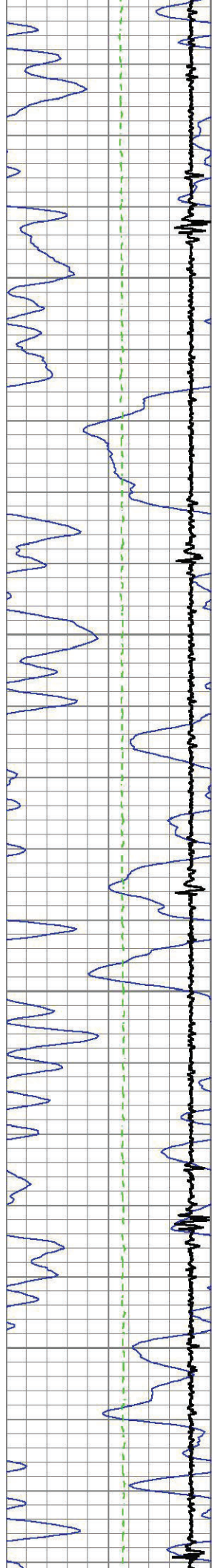


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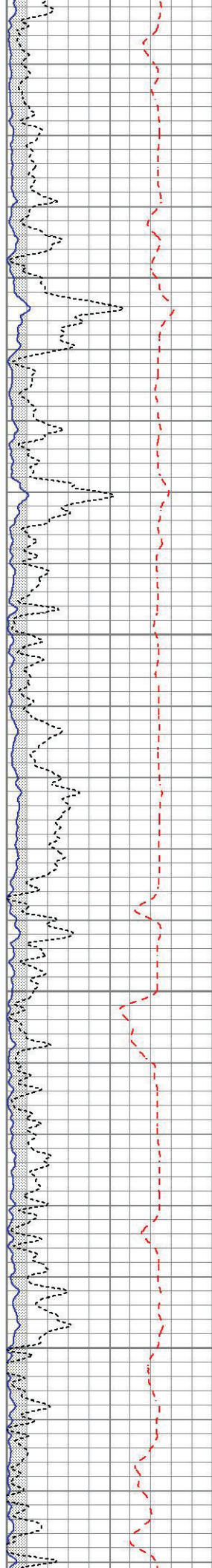
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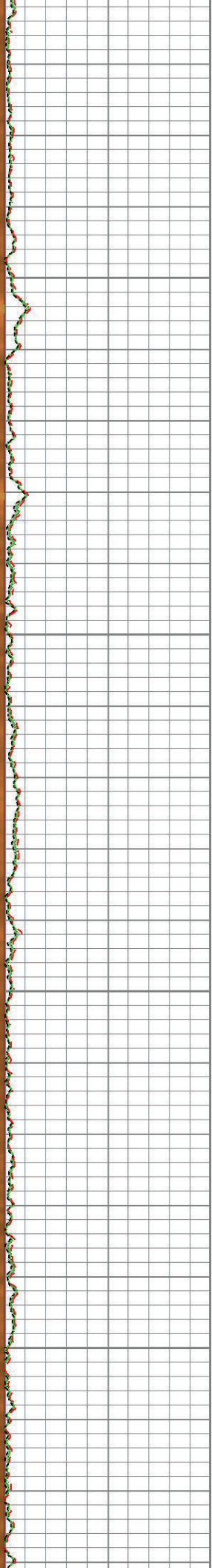
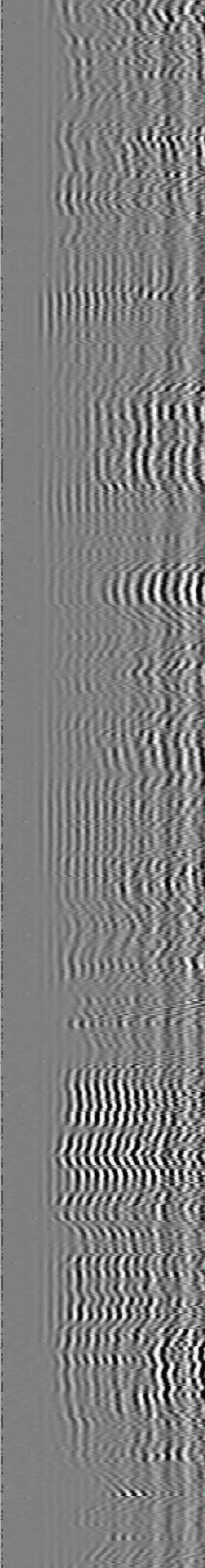




10100



10200

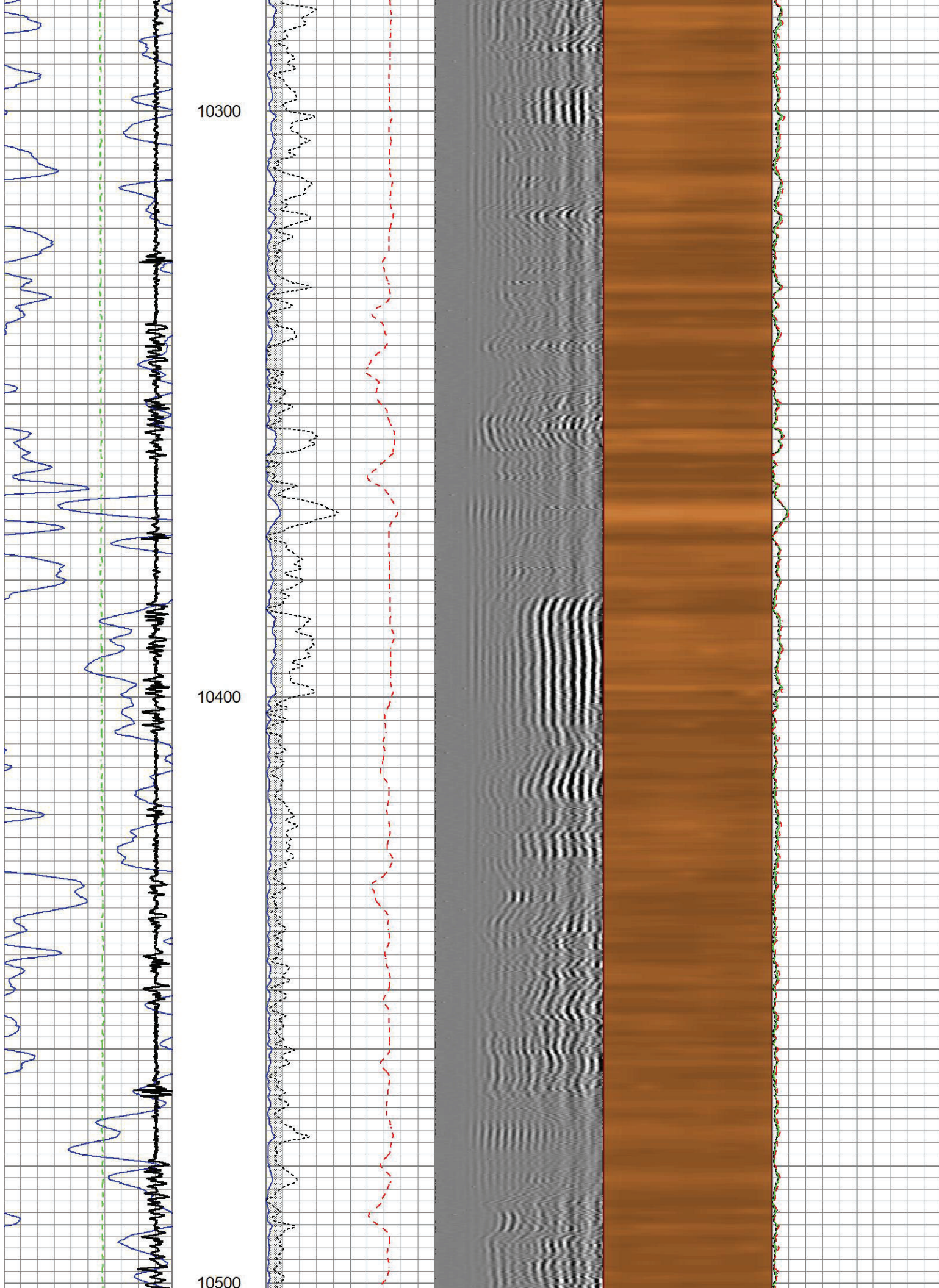




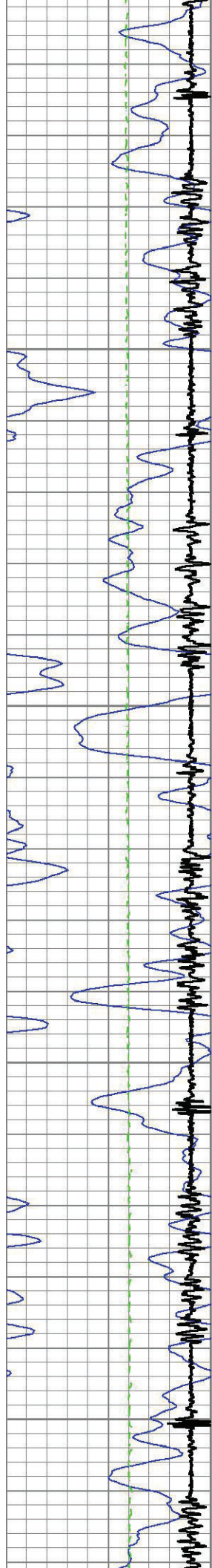
10300

10400

10500

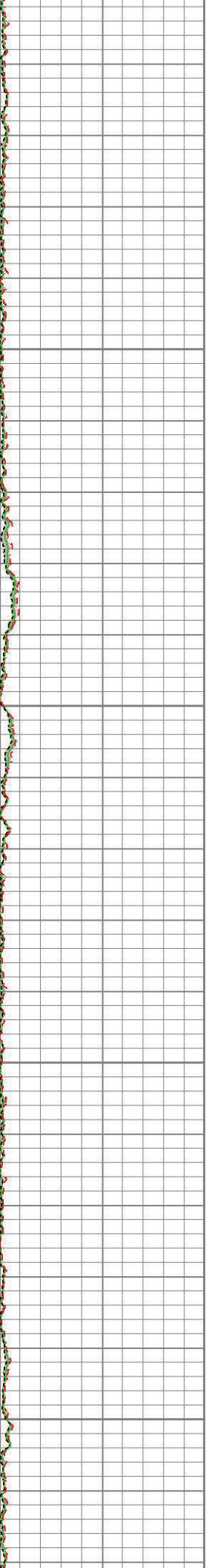
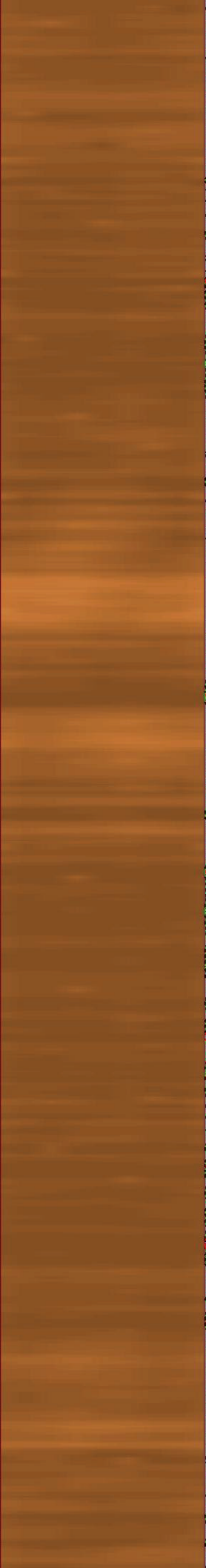
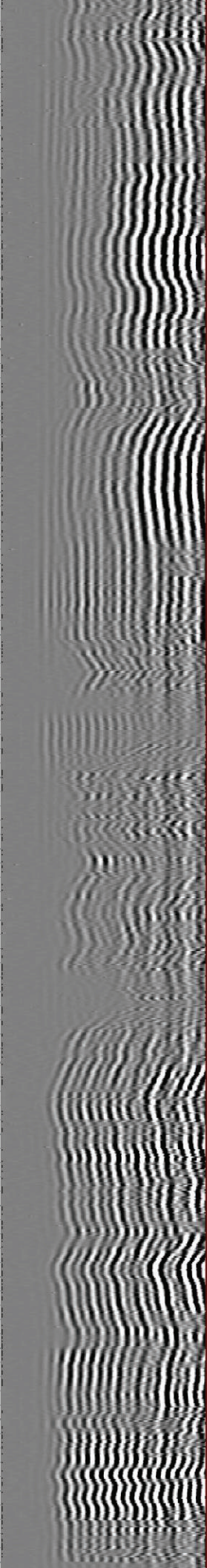
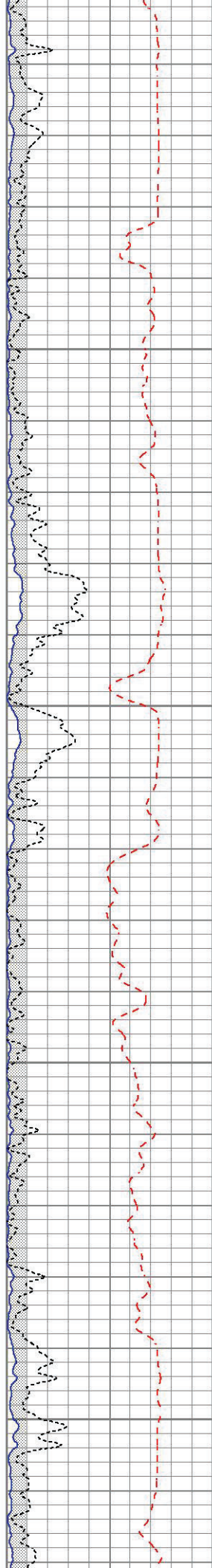




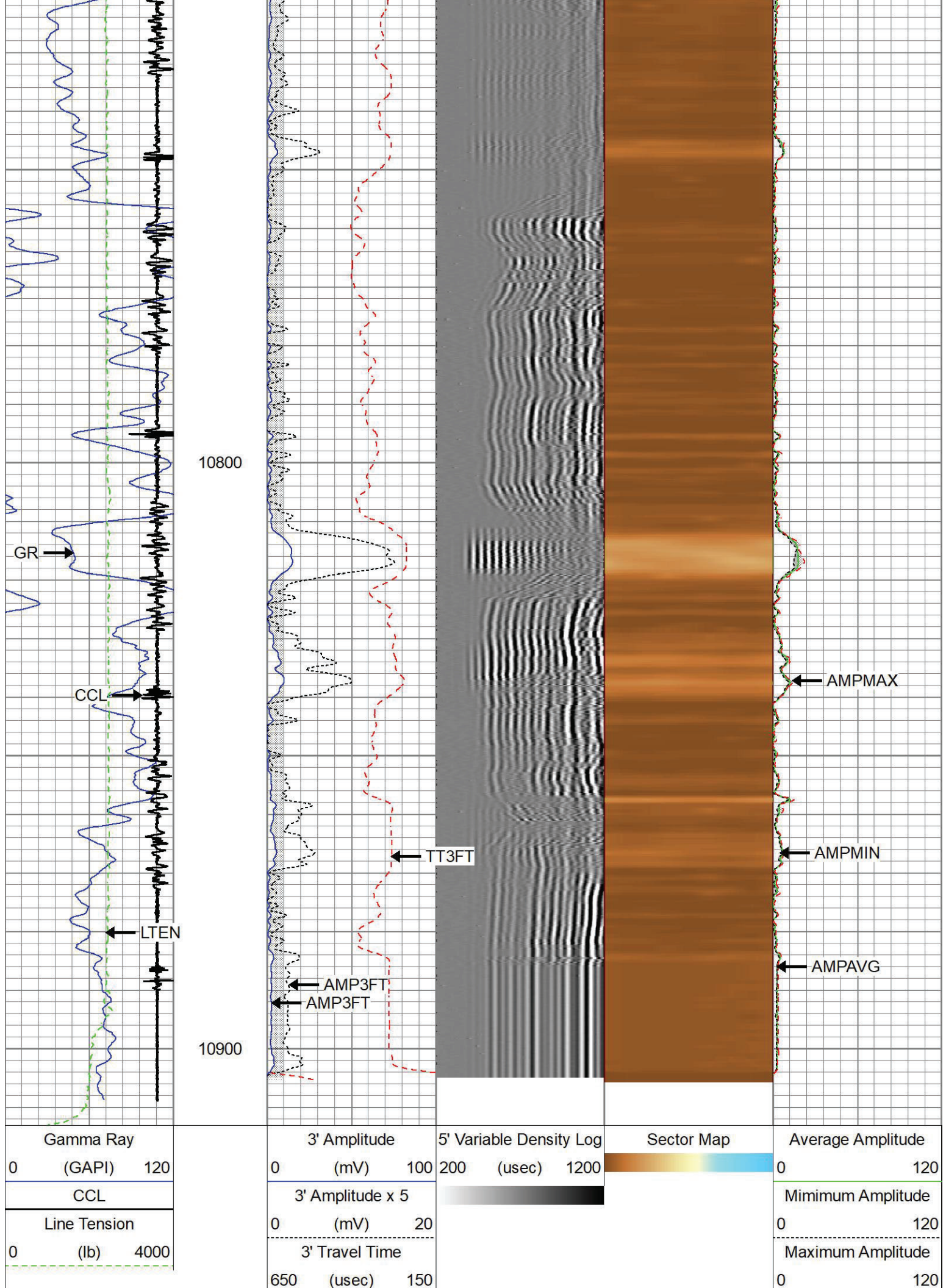


10600

10700



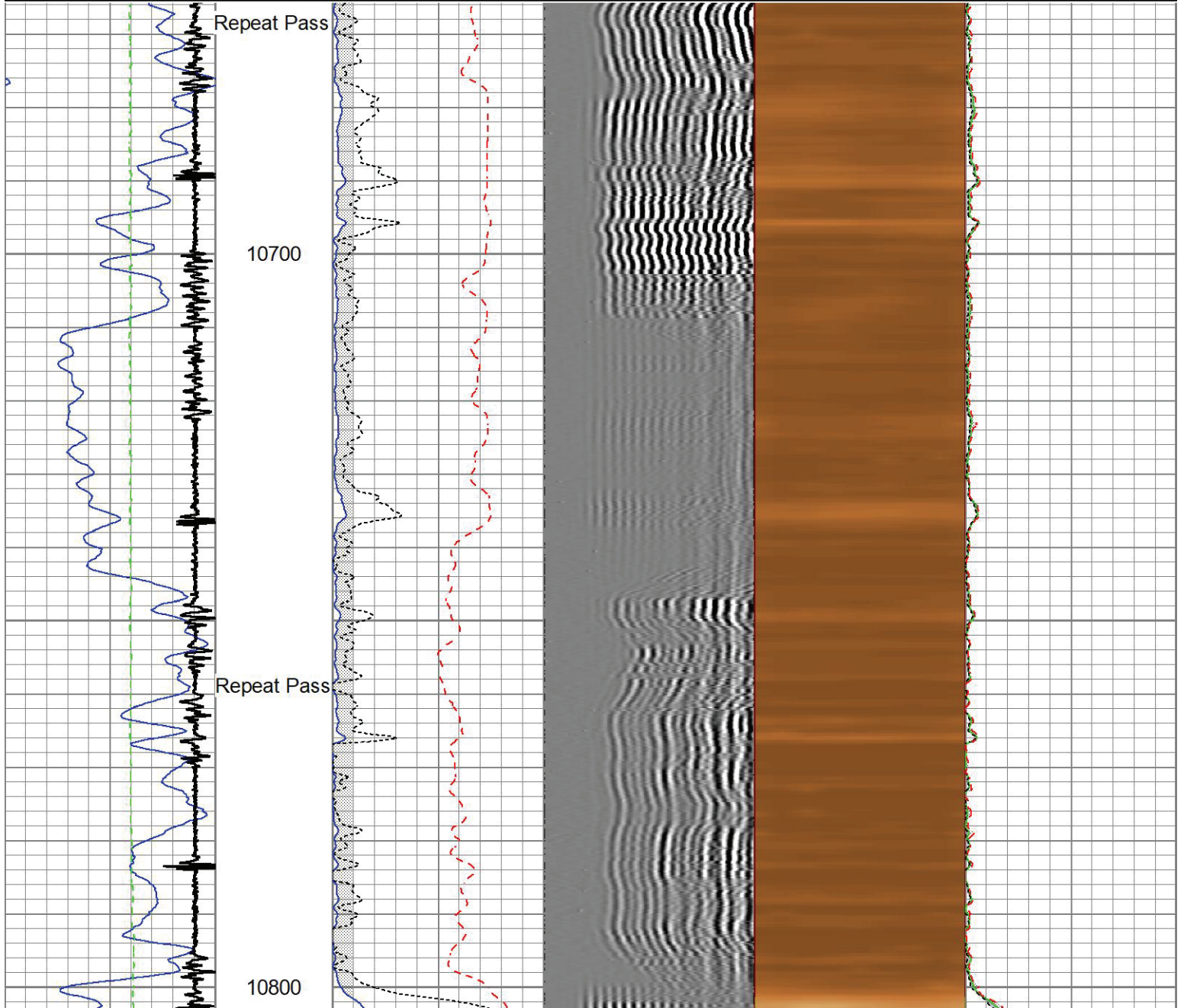




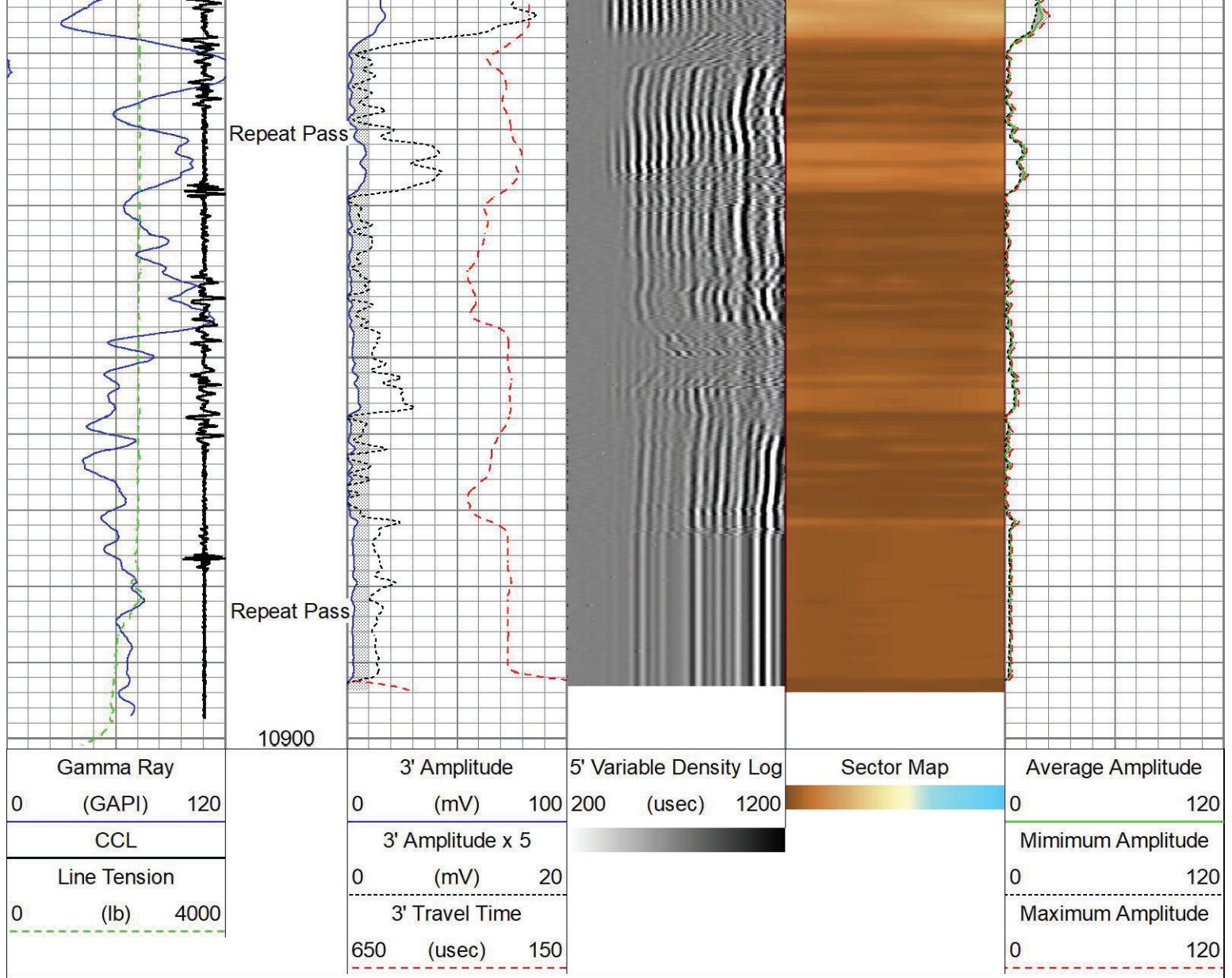


Database File tep\_nr 443-4\_rcbl\_5-11-22.db  
Dataset Pathname repeat.1  
Presentation Format TWGTEP~1  
Dataset Creation Sat May 14 17:09:44 2022  
Charted by Depth in Feet scaled 1:240

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







### Calibration Report

Database File tep\_nr 443-4\_rcbl\_5-11-22.db  
 Dataset Pathname main.1  
 Dataset Creation Sat May 14 17:07:45 2022

### Gamma Ray Calibration Report

Serial Number: FW1311-103  
 Tool Model: GCT\_C3  
 Performed: Mon May 9 08:26:58 2022

Calibrator Value: 155.0 GAPI

Background Reading: 6.2 cps  
 Calibrator Reading: 62.1 cps

Sensitivity: 1.7767 GAPI/cps

### Segmented Cement Bond Log Calibration Report

Serial Number: FW1311-19  
 Tool Model: Probe275acc

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 510.525 ft



Master Calibration, performed Wed May 11 09:06:25 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.619	0.000	81.196	132.215	-0.594
CAL	0.002	0.757				
5'	0.004	0.496	0.000	81.196	164.900	-0.588
SUM						
S1	0.030	0.670	0.000	100.000	156.157	-4.651
S2	0.006	0.631	0.000	100.000	160.056	-0.975
S3	0.005	0.592	0.000	100.000	170.142	-0.804
S4	0.006	0.577	0.000	100.000	175.114	-0.968
S5	0.006	0.615	0.000	100.000	164.188	-1.030
S6	0.005	0.651	0.000	100.000	154.814	-0.826
S7	0.006	0.661	0.000	100.000	152.699	-0.887
S8	0.005	0.660	0.000	100.000	152.651	-0.822

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.002	0.757	1.000	0.000

Air Zero Calibration, performed Wed May 11 08:56:23 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





Well	Federal NR 443-4
Field	Rulison
County	Garfield
State	Colorado

Country	USA
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