
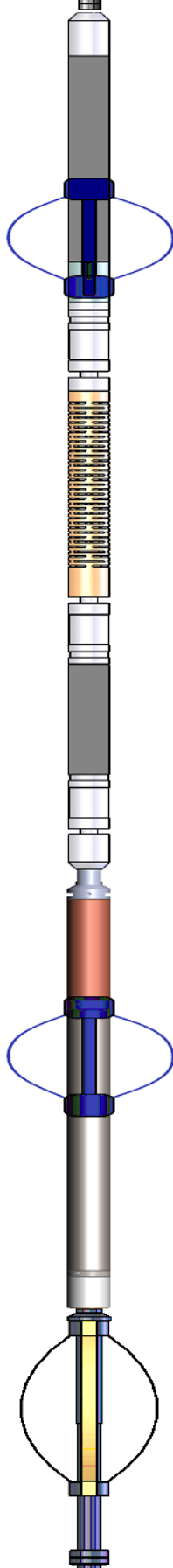
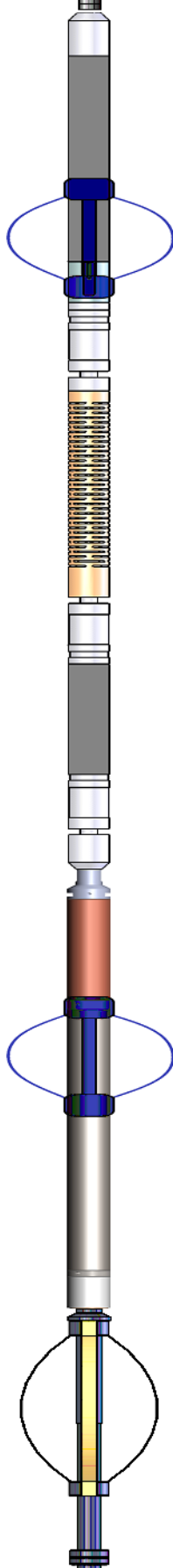
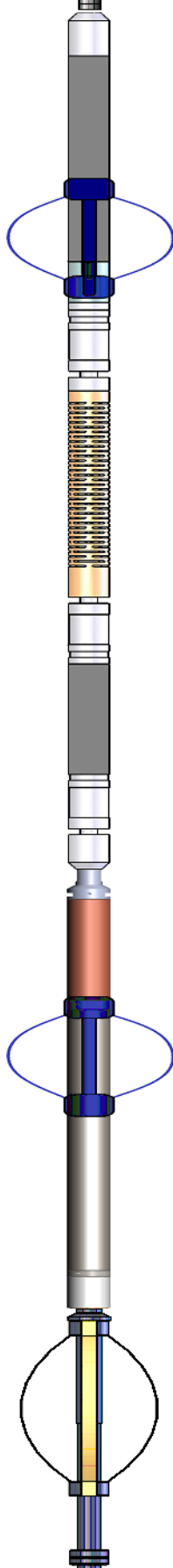
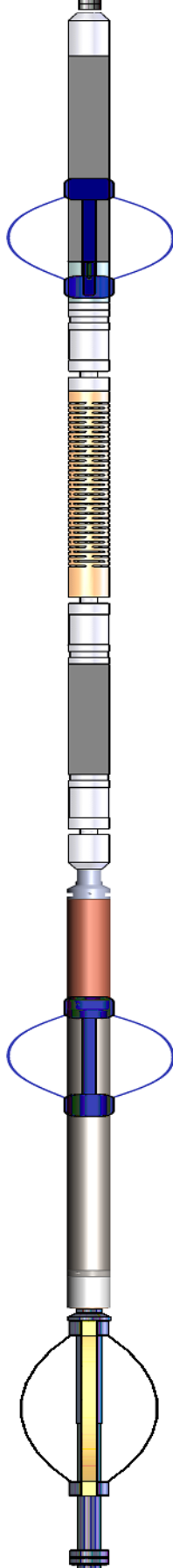


<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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.</p>
Comments
<p>Log ran as per customer request Depth referenced to Casing Tally reported Marker Joint at 6145.3 - 6155.0 FT Adjusted -27 FT to correlate with Marker Joint Log ran with 2500 PSI Surface Induced Pressure Logging tools were clean and free of any debris upon completion of operations</p> <p>Thank you for choosing Reliance Oilfield Services, LLC!!</p>

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-14375 GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	3.60

		Fishing Neck				
TEMP	14.16		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	11.93		Probe Radii-2750 RBT (071220) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	11.93					
WVFS6	11.93					
WVFS5	11.93					
WVFS4	11.93					
WVFS3	11.93					
WVFS2	11.93					
WVFS1	11.93					
WVFCAL	11.93					
WVF3FT	11.93					
WVF5FT	10.93					
HEADVOLT	7.68					
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46		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
			Probe GR-CCL-2750 6PB (FW1810-001) Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT	4.80	2.75	55.00
						
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
LOCTIM	0.00					
UTCTIM	0.00					
		Dataset: noble_rampart a32-739_rbl_10-06-21.db: field/well/run1/pass5 Total length: 18.10 ft Total weight: 203.60 lb O.D.: 3.25 in				

Gamma Ray Calibration Report

Serial Number: FW1810-001
 Tool Model: 2750 6PB
 Performed: Mon Oct 19 14:19:51 2020

Calibrator Value: 637.0 GAPI

Background Reading: 100.1 cps
 Calibrator Reading: 1264.5 cps

Sensitivity: 0.5471 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 071220
 Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
 Calibration Depth: -71.812 ft

Master Calibration, performed Wed Oct 6 16:38:44 2021:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.005	0.653	0.800	71.921	109.908	0.198
CAL	0.642	0.642				
5'	0.009	0.559	0.800	71.921	129.320	-0.356
SUM						
S1	0.007	0.621	0.000	100.000	162.996	-1.214
S2	0.007	0.591	0.000	100.000	171.080	-1.159
S3	0.009	0.603	0.000	100.000	168.380	-1.554
S4	0.009	0.645	0.000	100.000	157.106	-1.402
S5	0.009	0.696	0.000	100.000	145.488	-1.247
S6	0.008	0.696	0.000	100.000	145.192	-1.113
S7	0.008	0.688	0.000	100.000	147.108	-1.142
S8	0.008	0.647	0.000	100.000	156.566	-1.252

Air Zero Calibration, performed Wed Oct 6 10:24:53 2021:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.006		0.000		-0.000	
5'	0.010		0.000		-0.001	
SUM						
S1	0.007		0.000		0.000	
S2	0.007		0.000		0.000	
S3	0.009		0.000		0.000	
S4	0.008		0.000		0.000	
S5	0.008		0.000		0.001	
S6	0.007		0.000		0.001	
S7	0.008		0.000		0.000	
S8	0.007		0.000		0.001	

Temperature Calibration Report

Serial Number: 071220
 Tool Model: 2750 RBT

Tool Model: 2750 RBL
Performed: Mon Oct 19 14:19:51 2020

	Reference	Reading
Low Reference:	100.00 degF	109.43 degF
High Reference:	350.00 degF	405.87 degF
Gain:	0.84	
Offset:	7.72	
Delta Spacing	1	

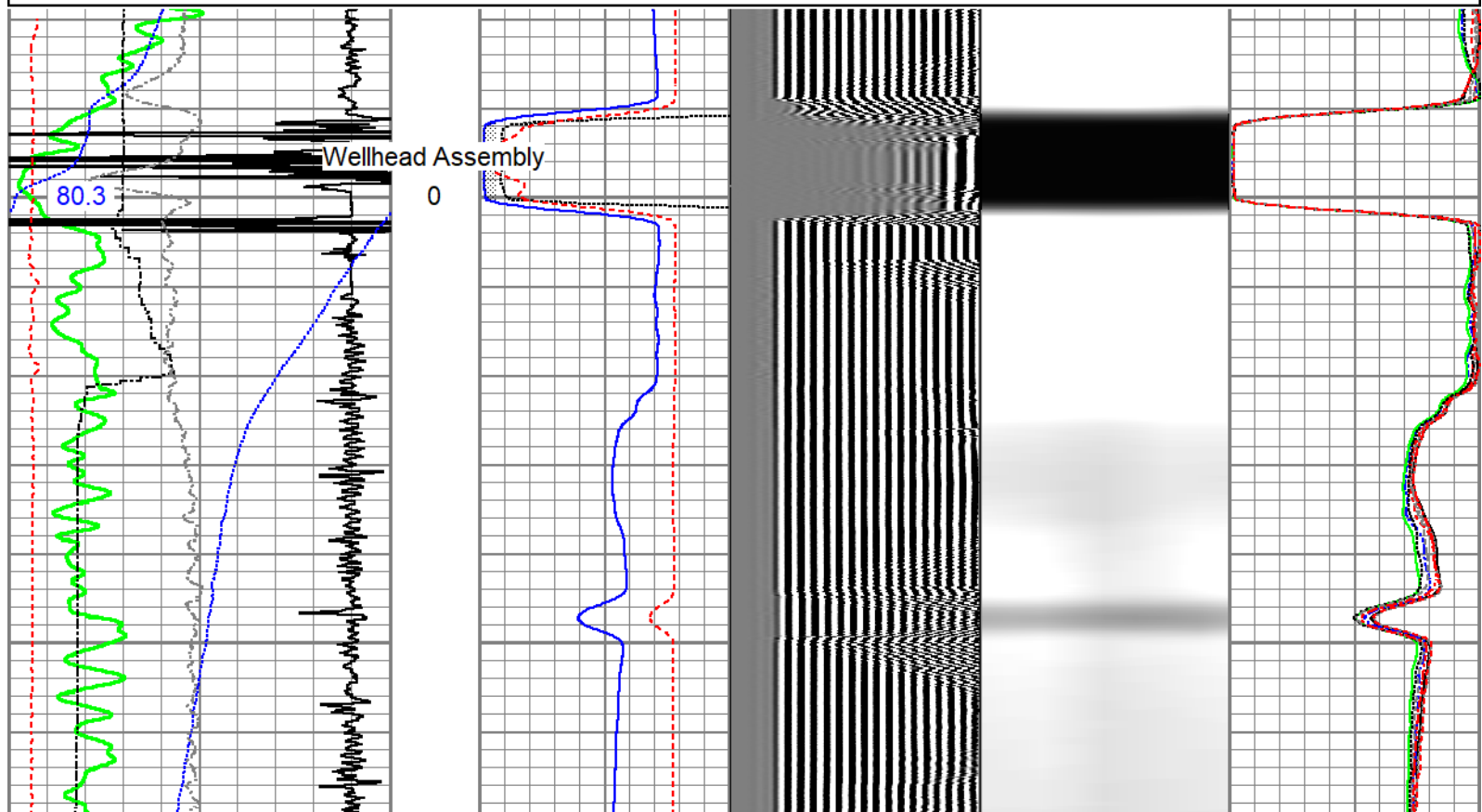


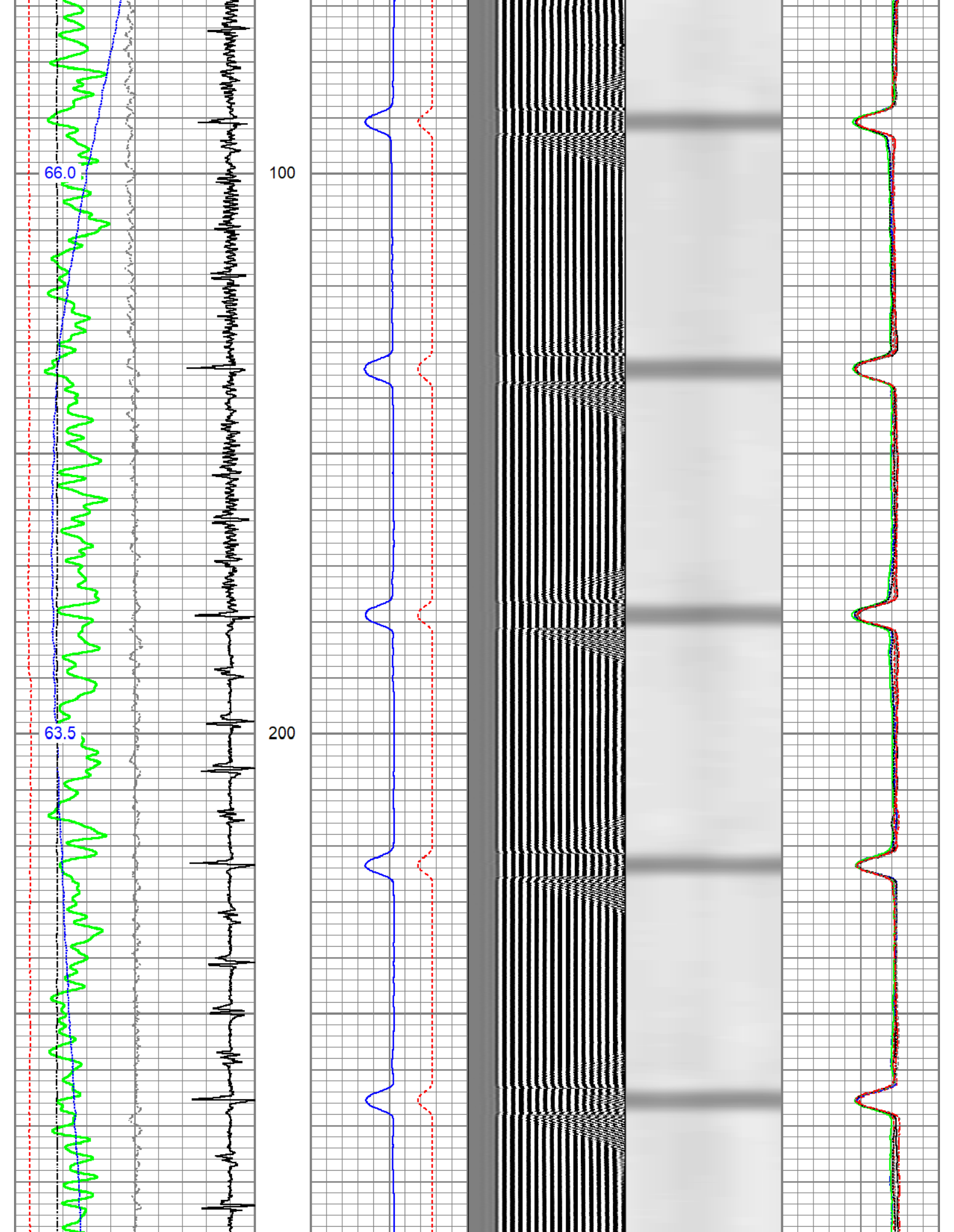
Main Pass

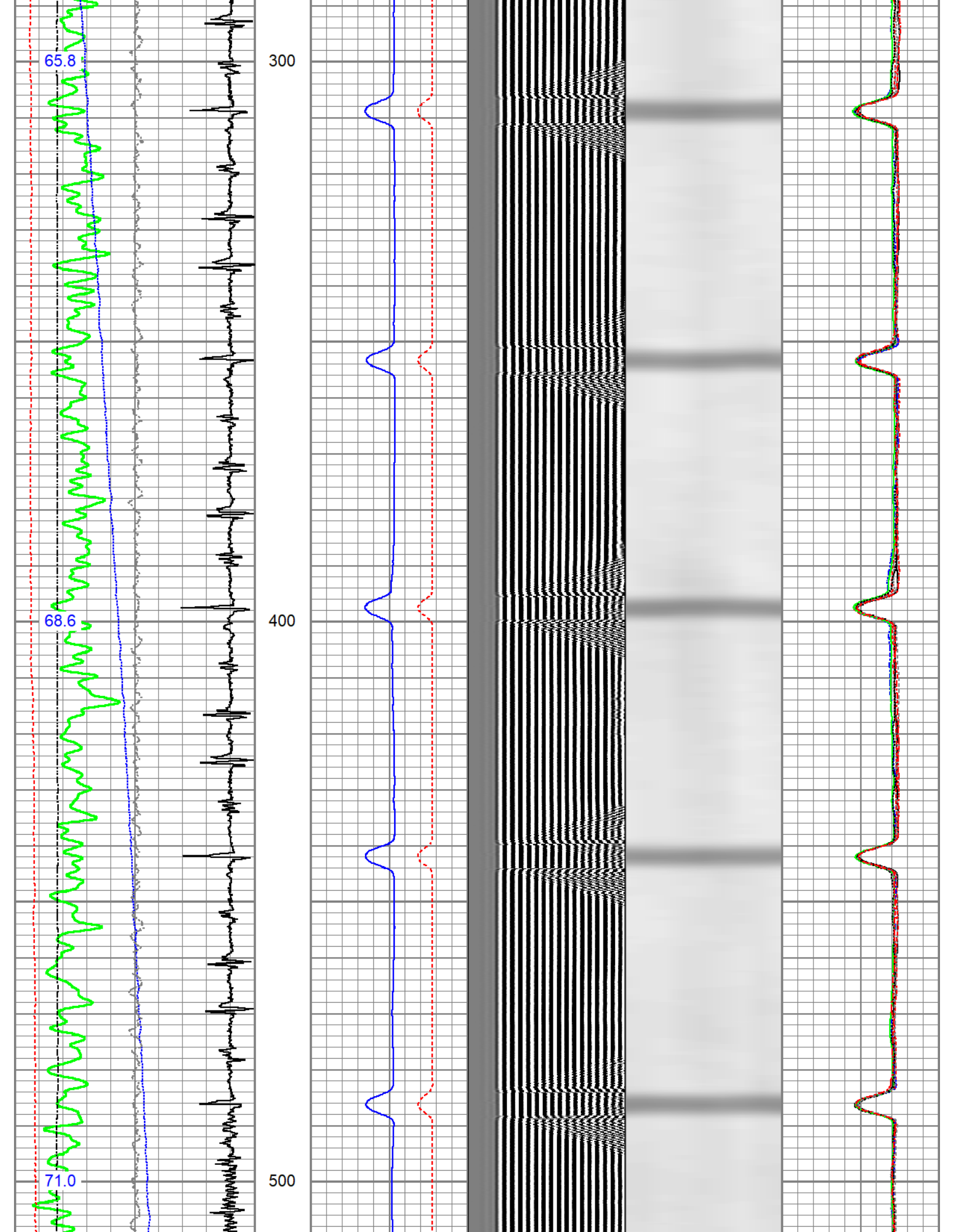
Recorded With 2500 PSI Surface Induced Pressure

Database File	chevron_noble\noble_rampart a32-739_rbl_10-06-21\noble_rampart a32-739_rbl_10-06-21.db
Dataset Pathname	main.1
Presentation Format	edge_rbl_noble
Dataset Creation	Wed Oct 06 16:38:49 2021
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	120	3' Amplitude	5' Variable Density	Sector Map	0	AMP S1	100
3.6	Casing Collar Locator	1.2	0 (mV) 100	200 (usec) 1200		0	AMP S2	100
0	Temperature (degF)	20	3' Amplitude x 5			0	AMP S3	100
-150	Line Speed (ft/min)	150	0 (mV) 20			0	AMP S4	100
0	Line Tension (lb)	2000	3' Travel Time			0	AMP S5	100
	Differential Temperature		650 (usec) 150			0	AMP S6	100
-2	(degF)	2				0	AMP S7	100
Temperature						0	AMP S8	100
(degF)								



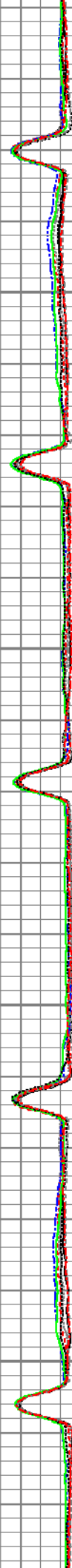
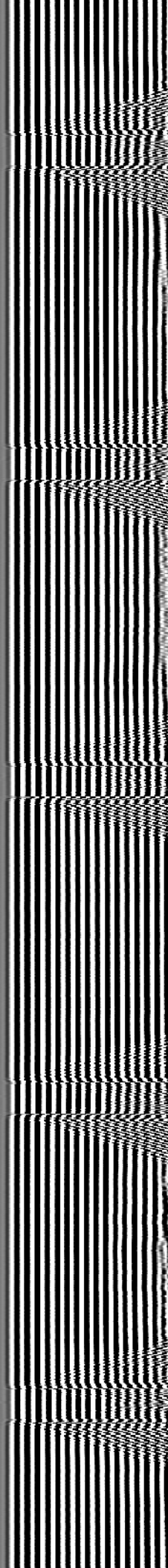
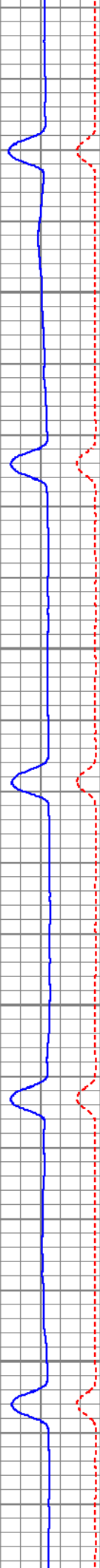


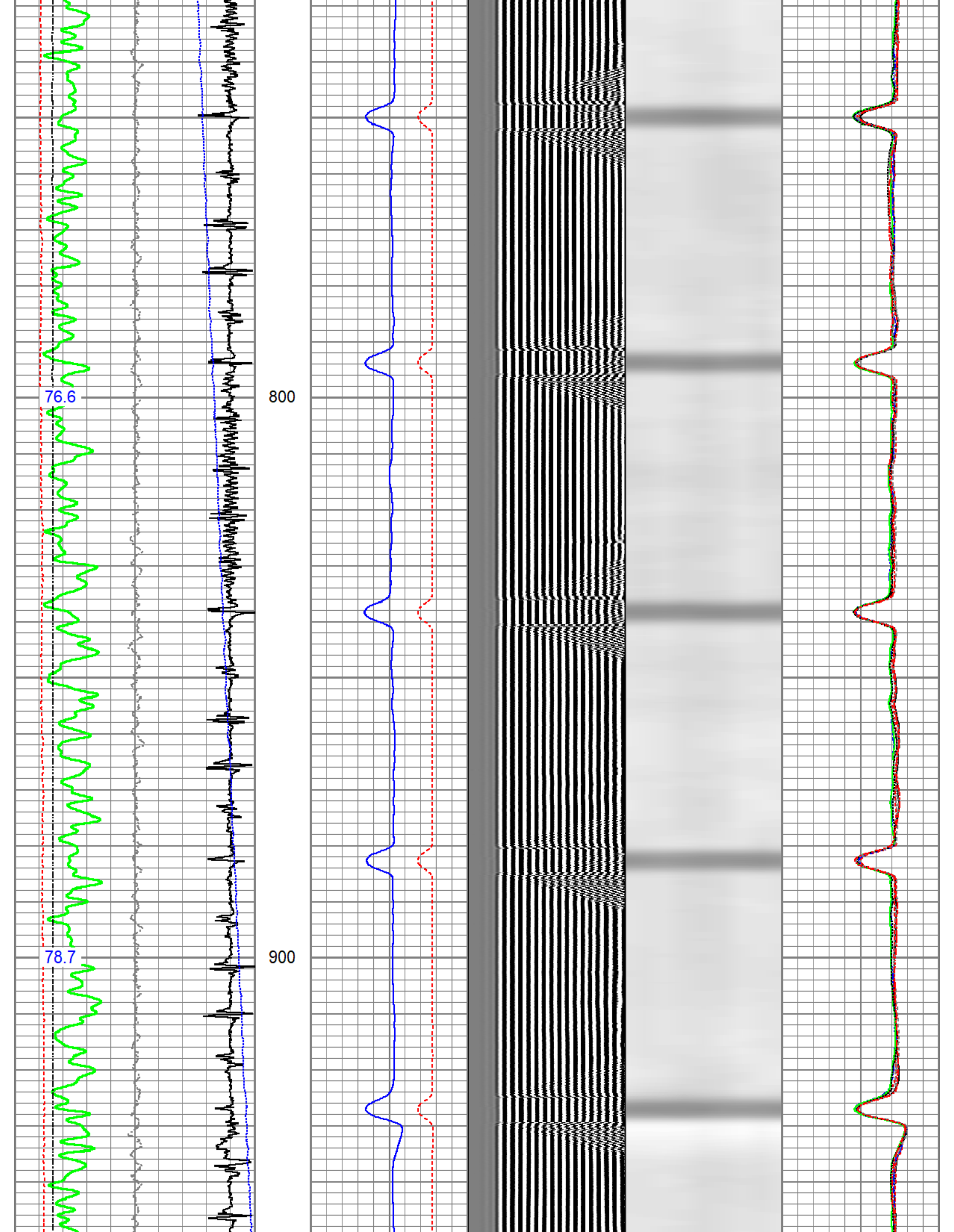


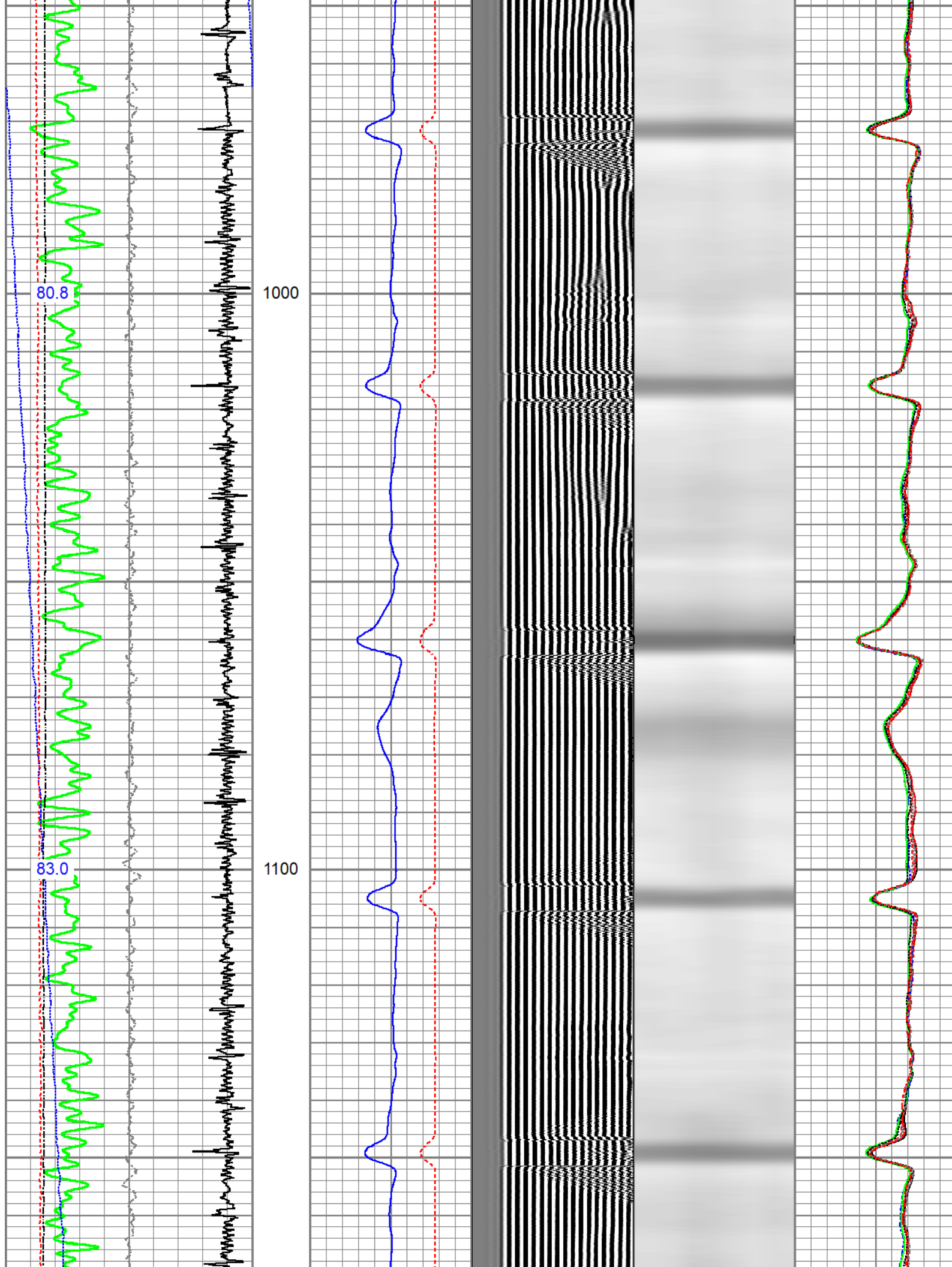


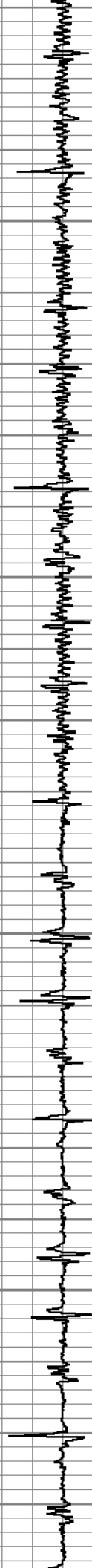
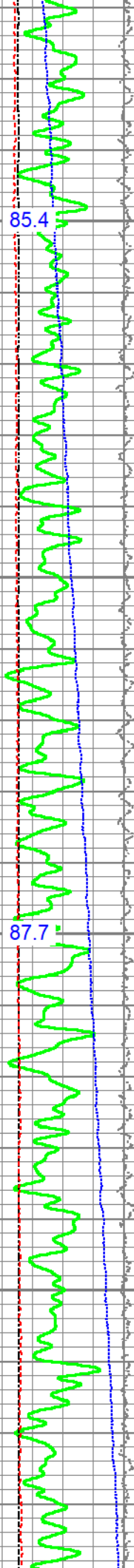
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700



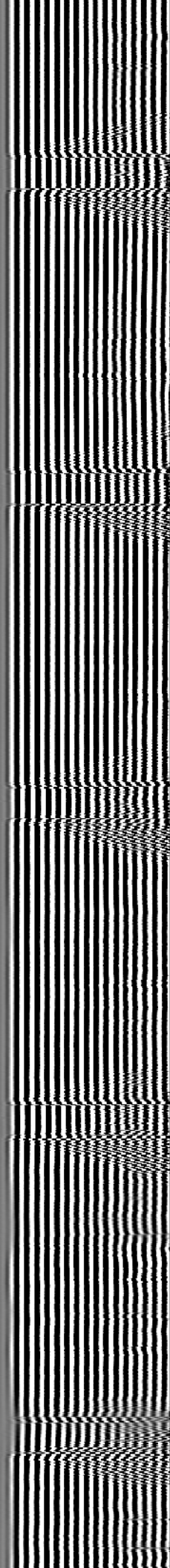
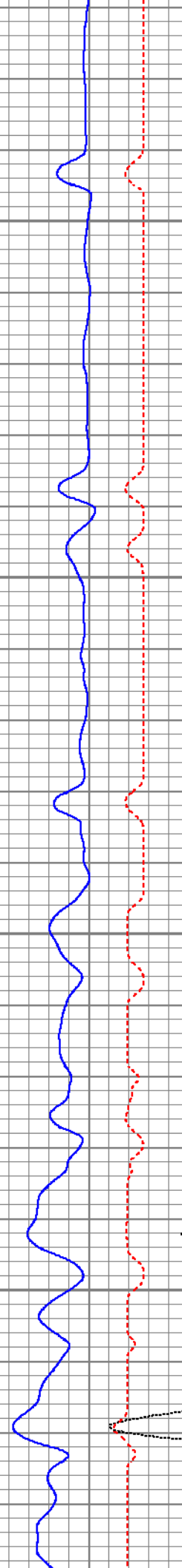


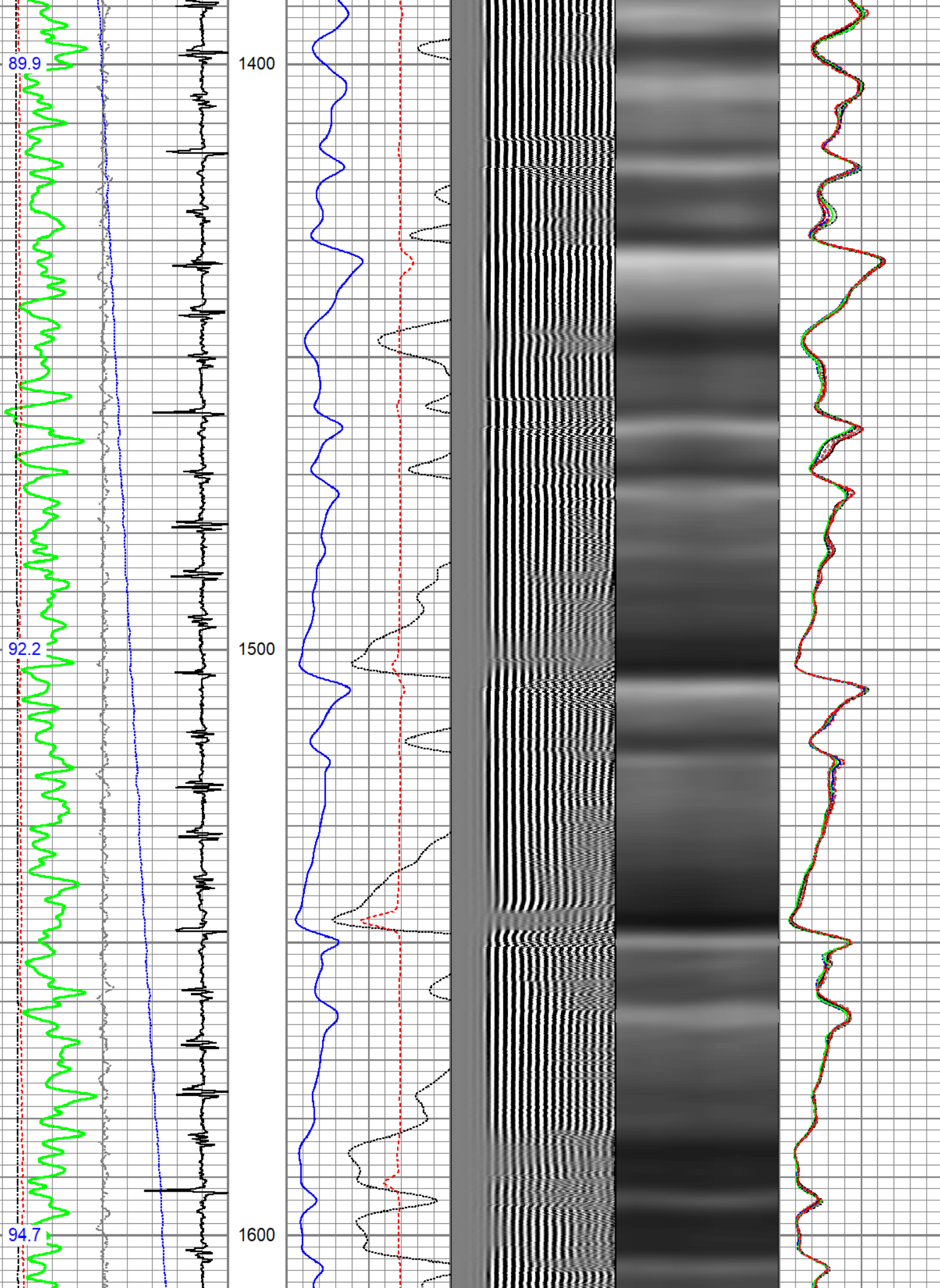


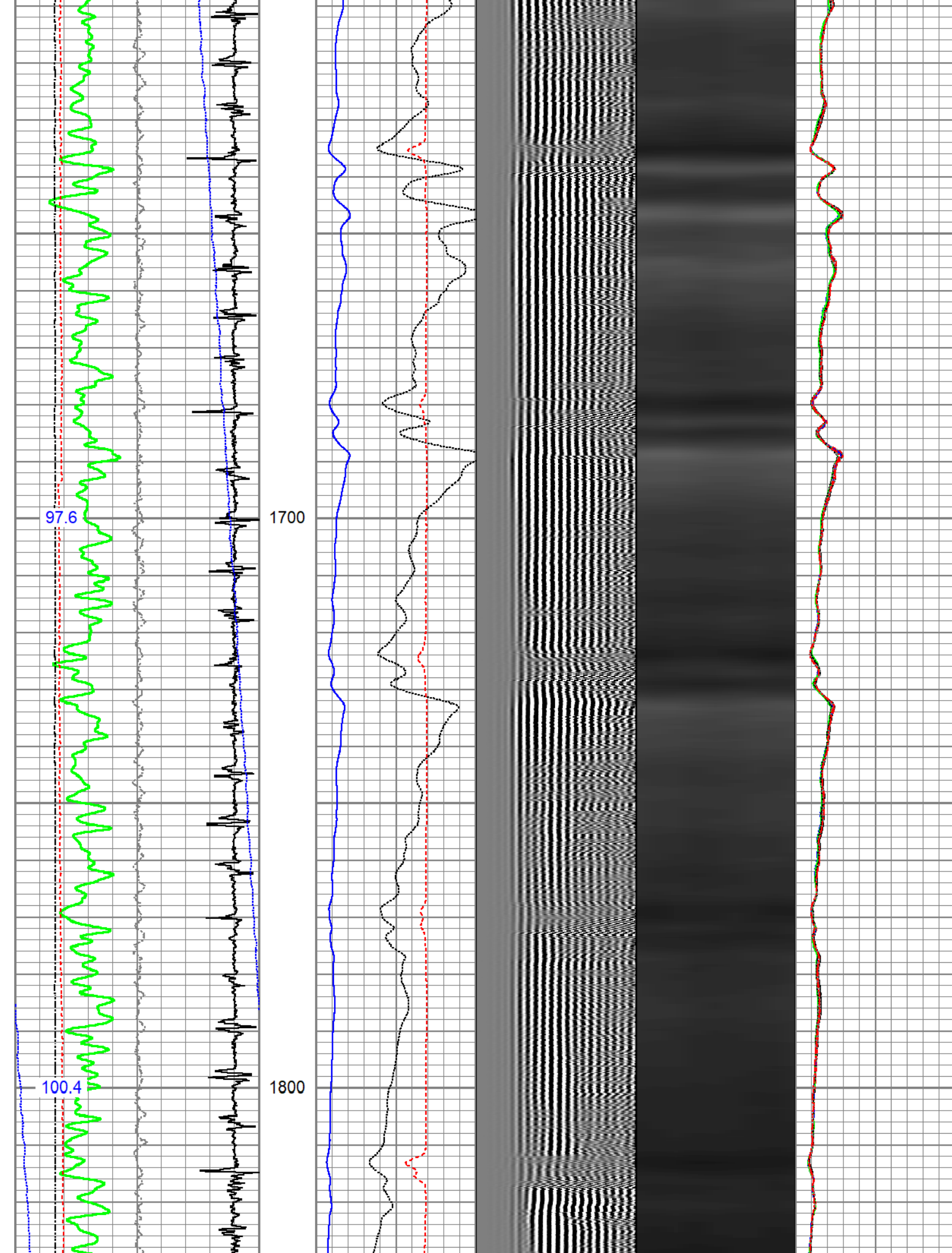


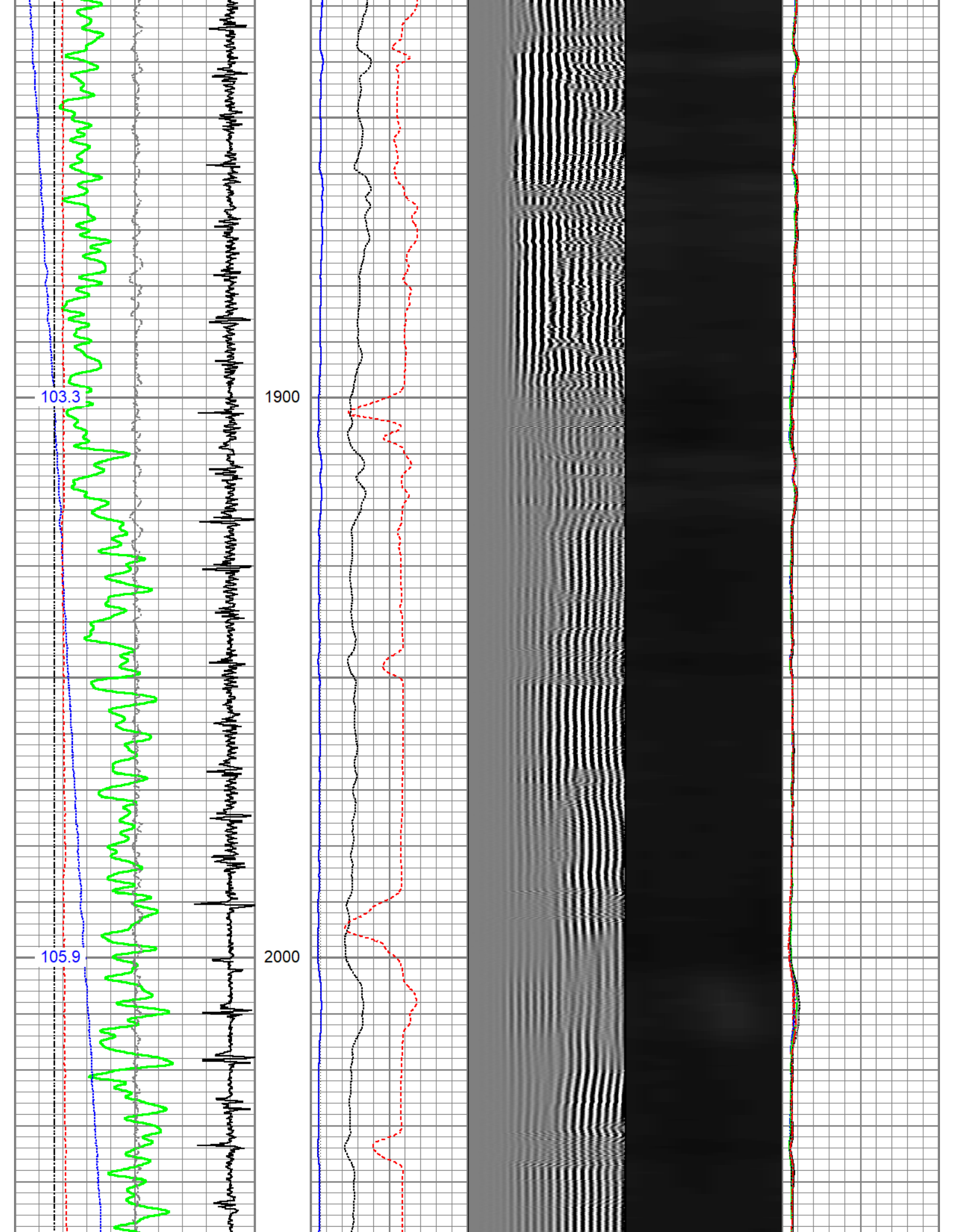
1200

1300







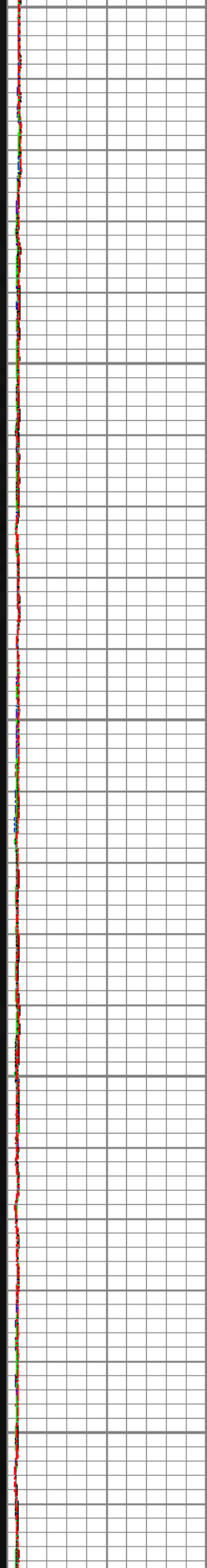
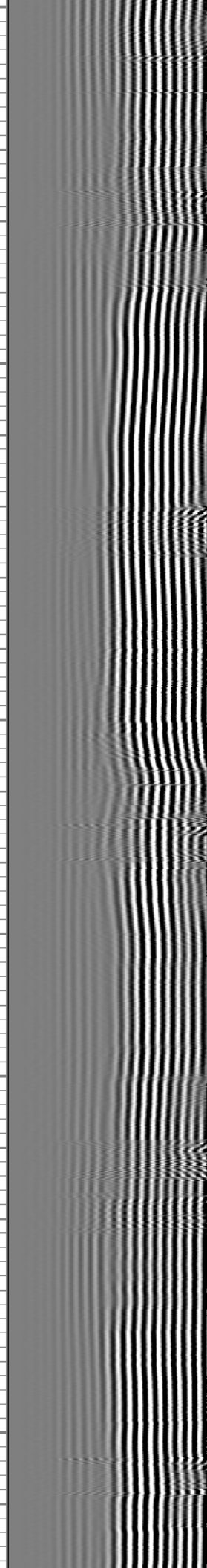
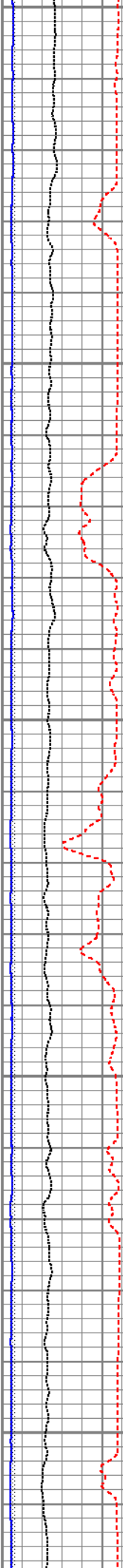
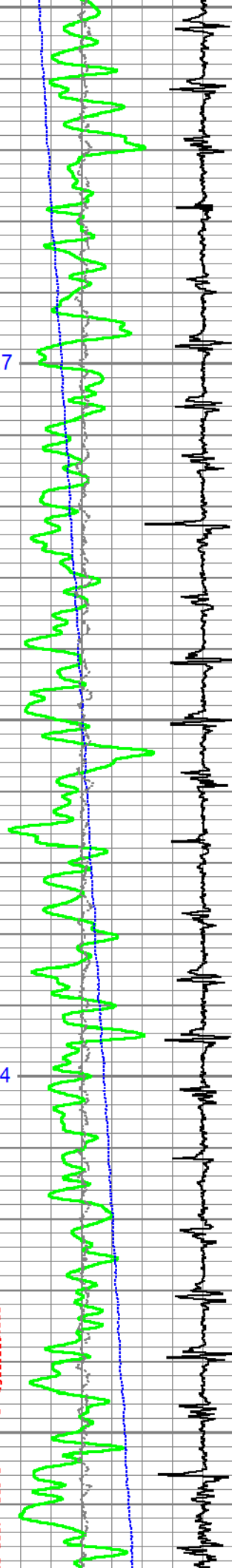


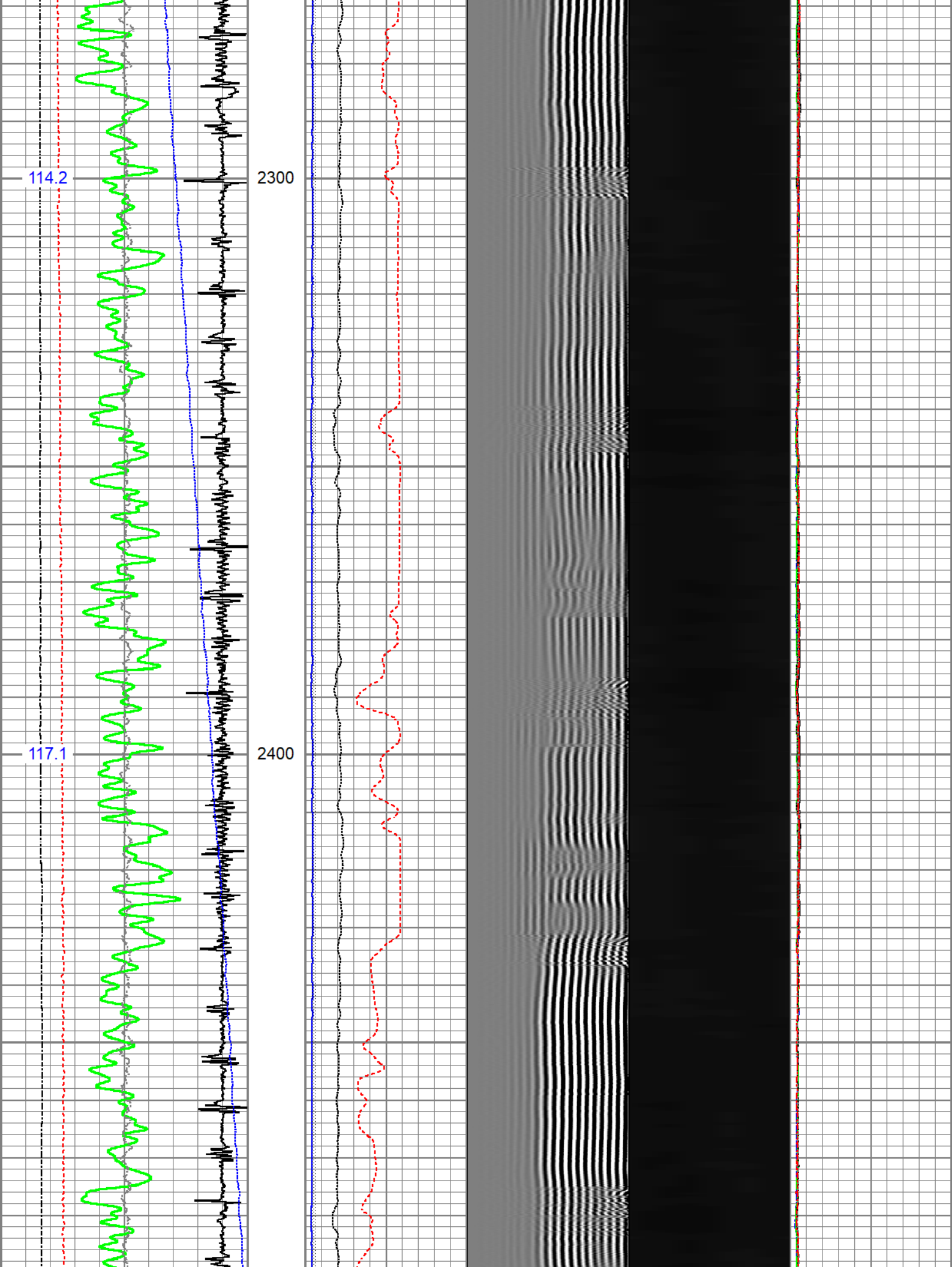
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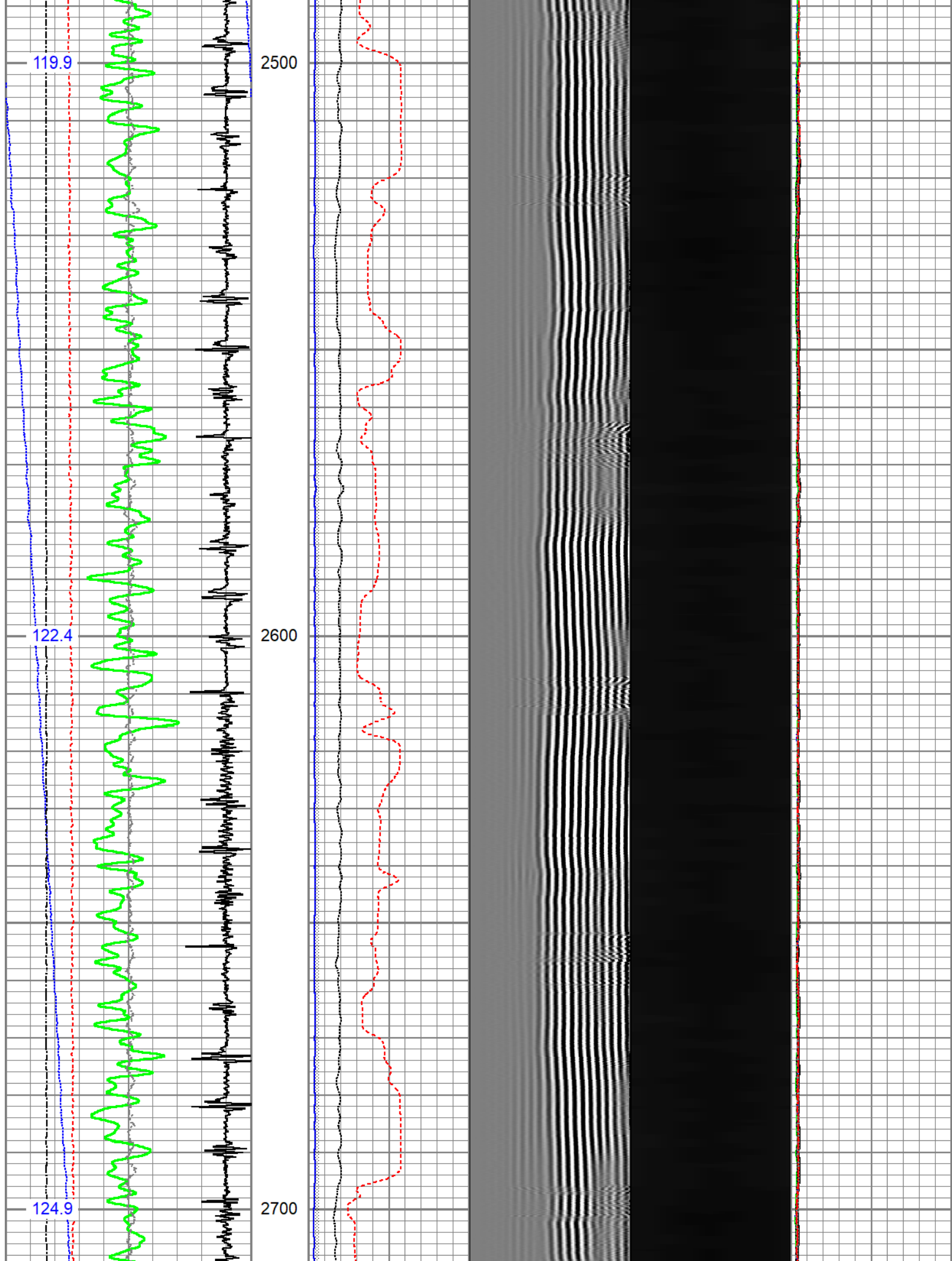
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2100

2200





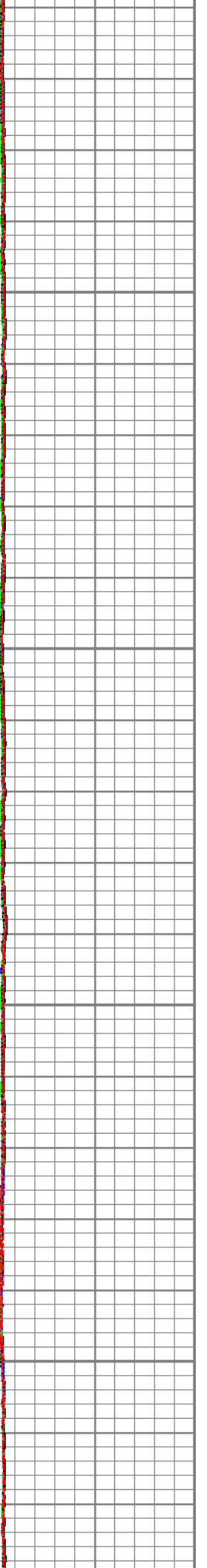
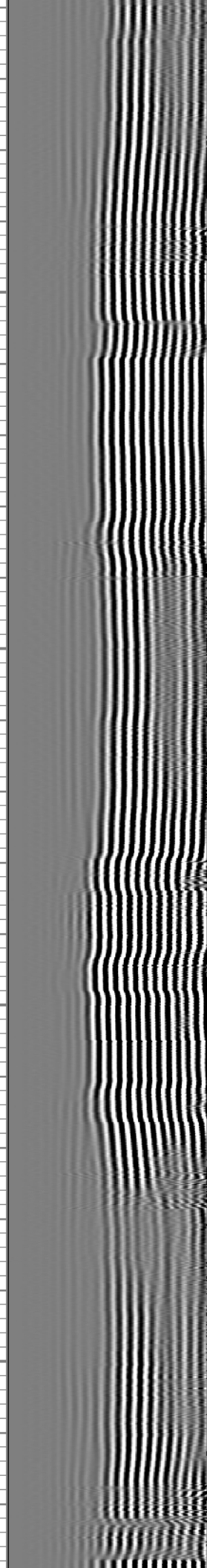
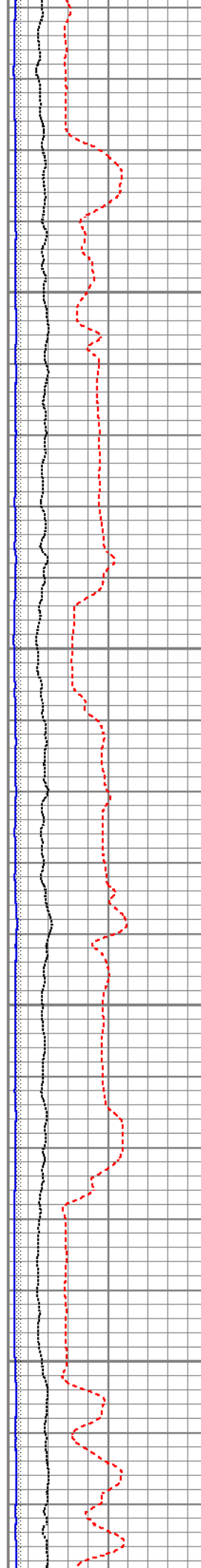
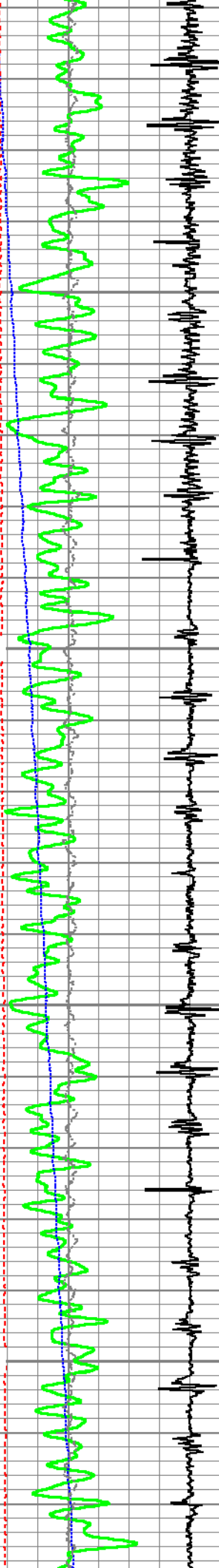


127.5

129.6

2800

2900

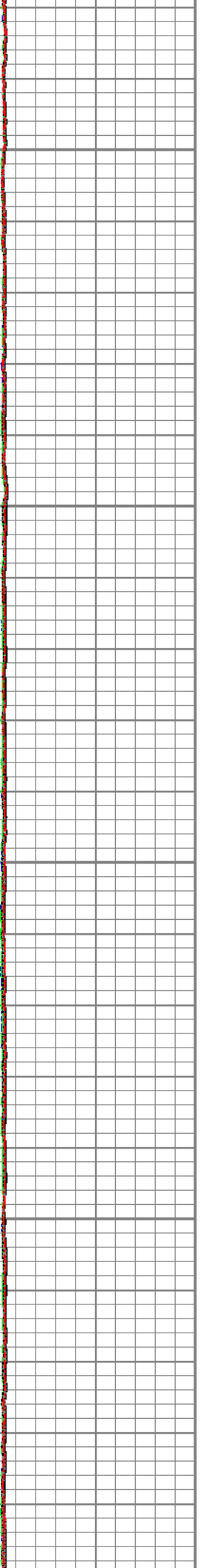
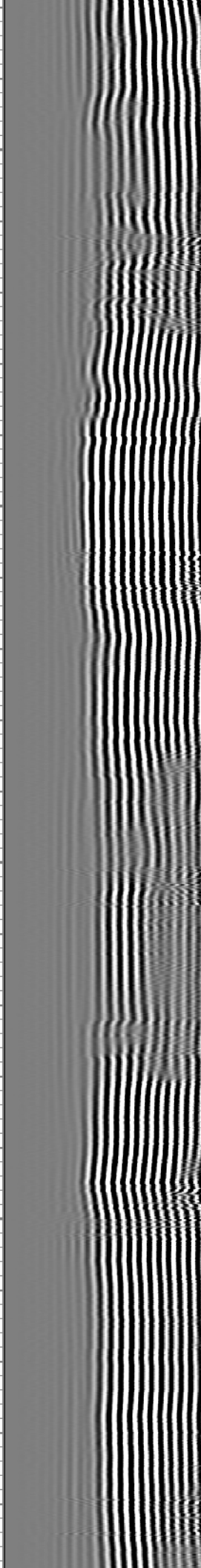
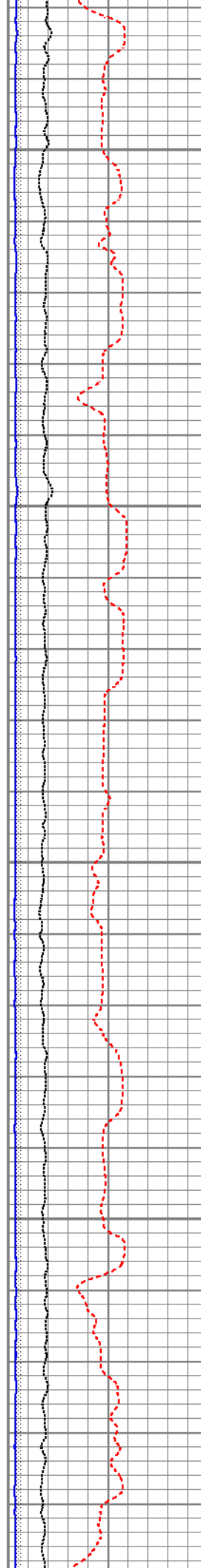
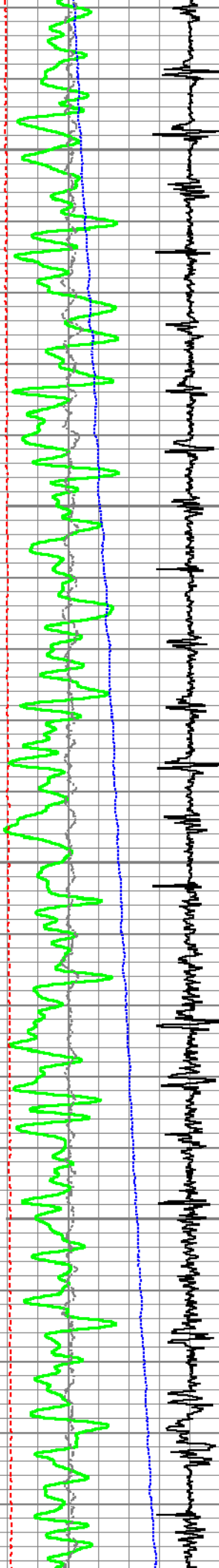


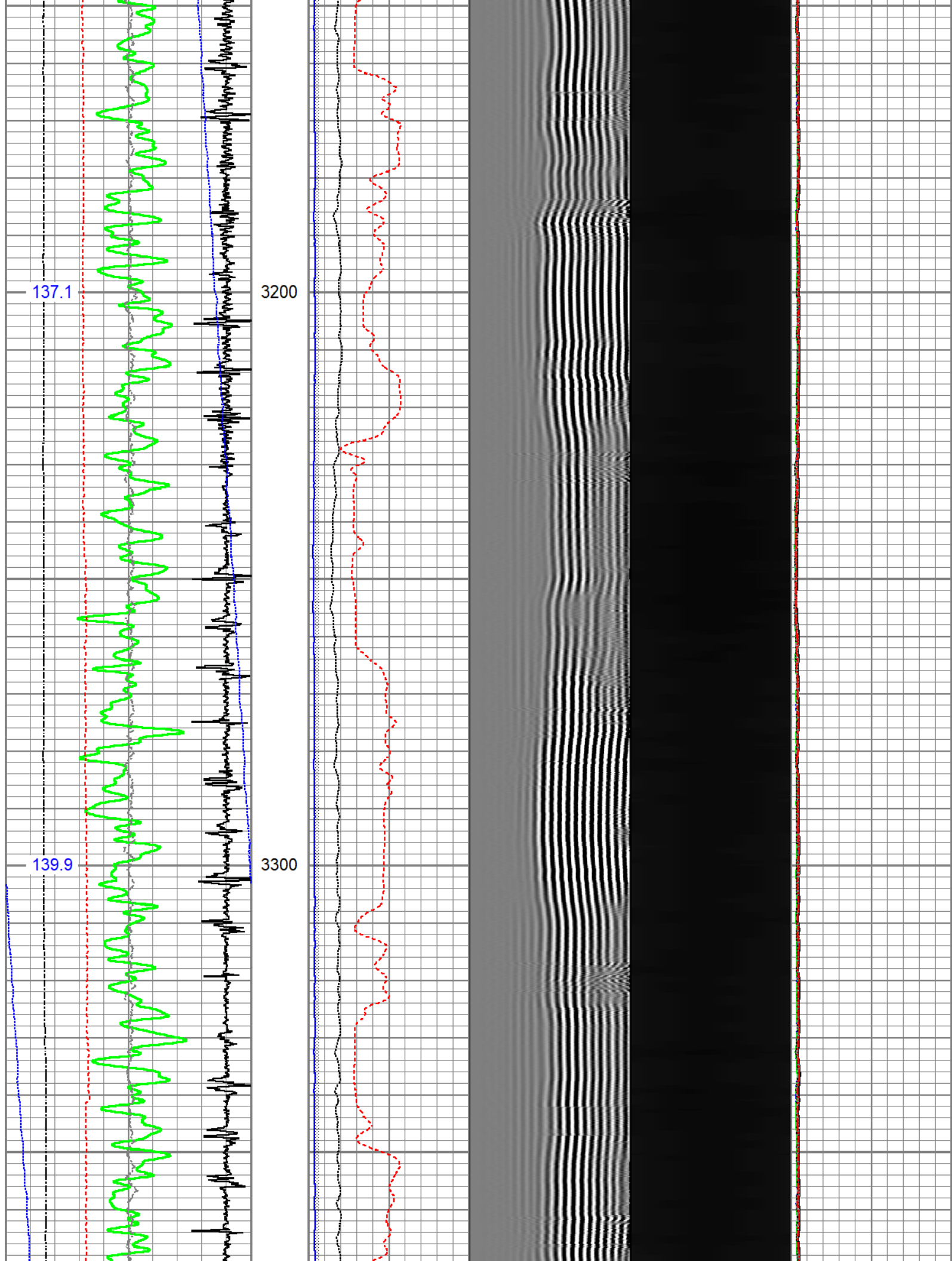
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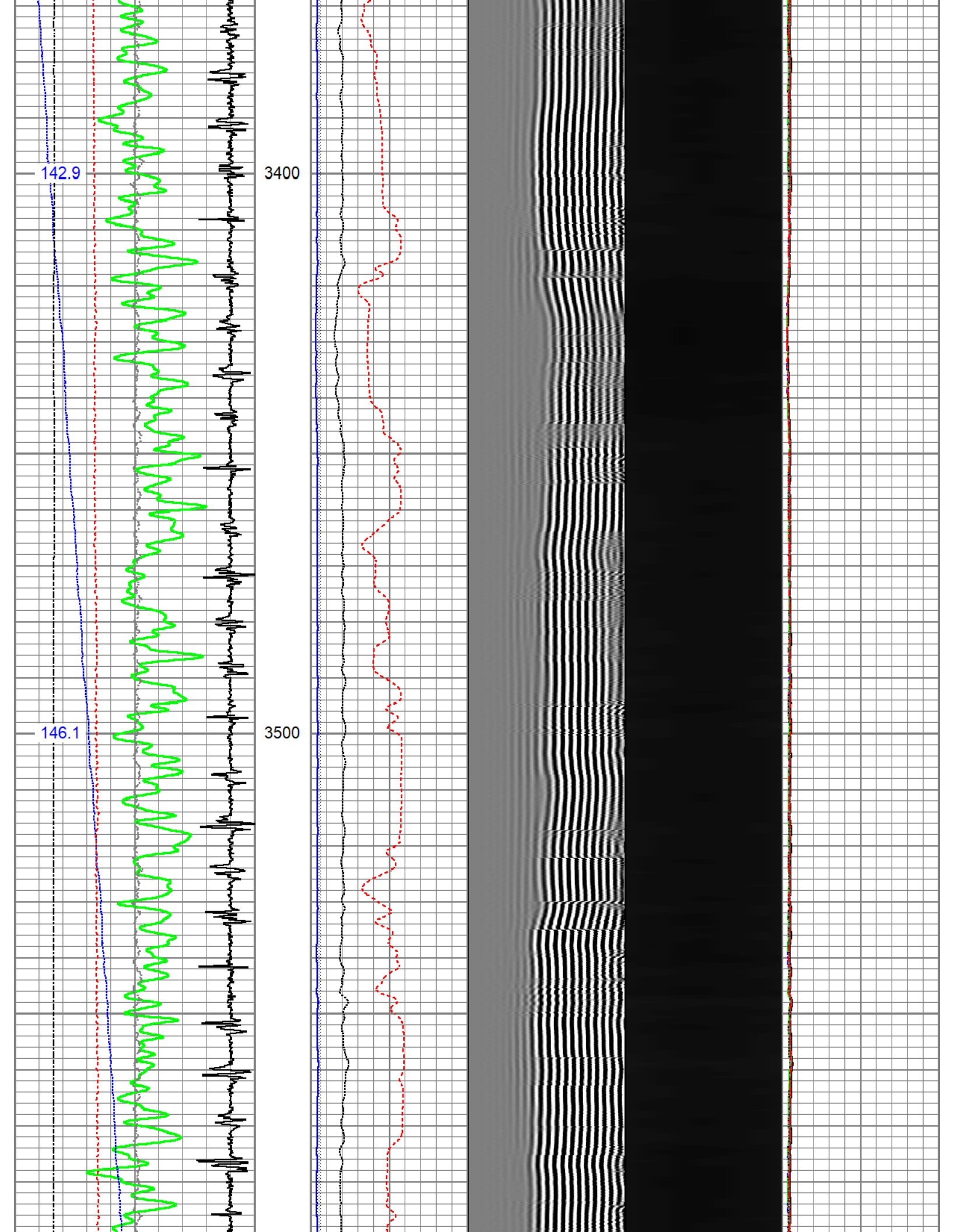
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3000

3100







149.1

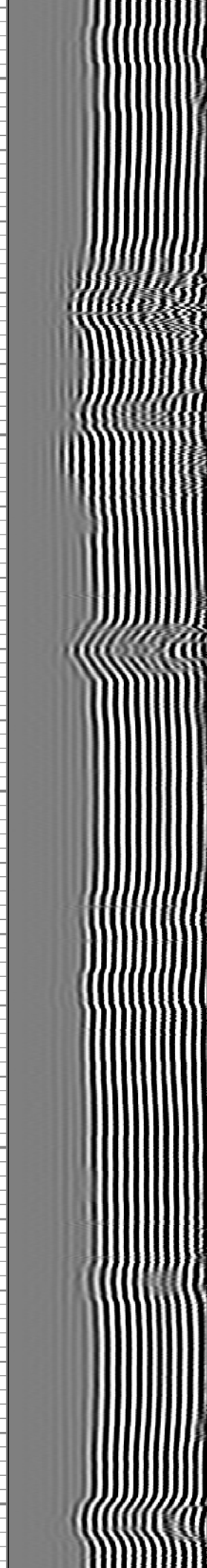
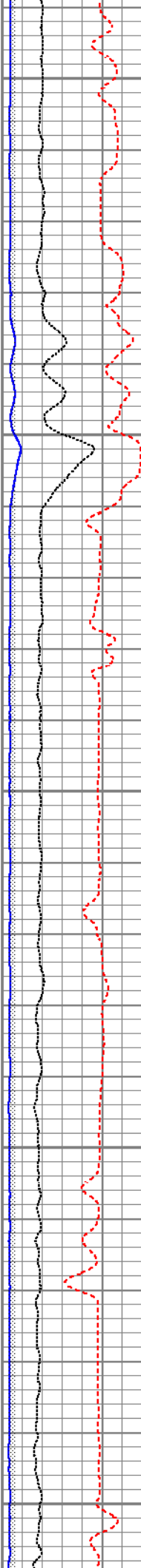
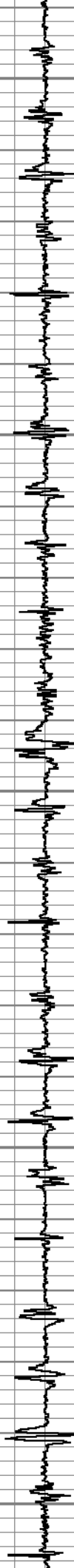
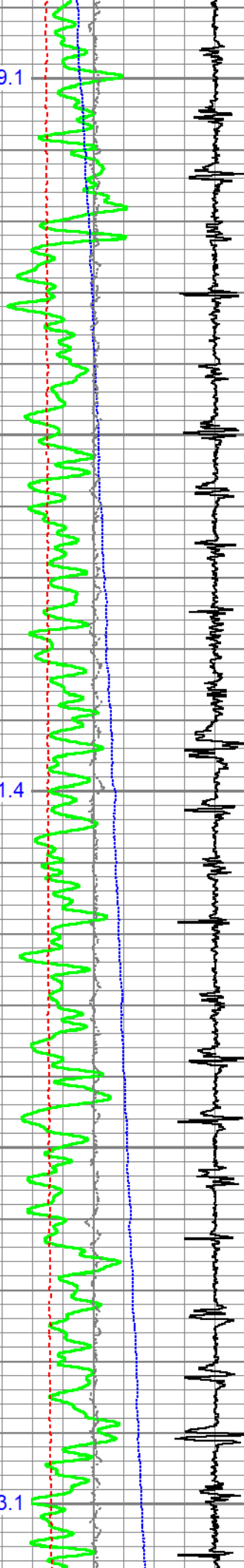
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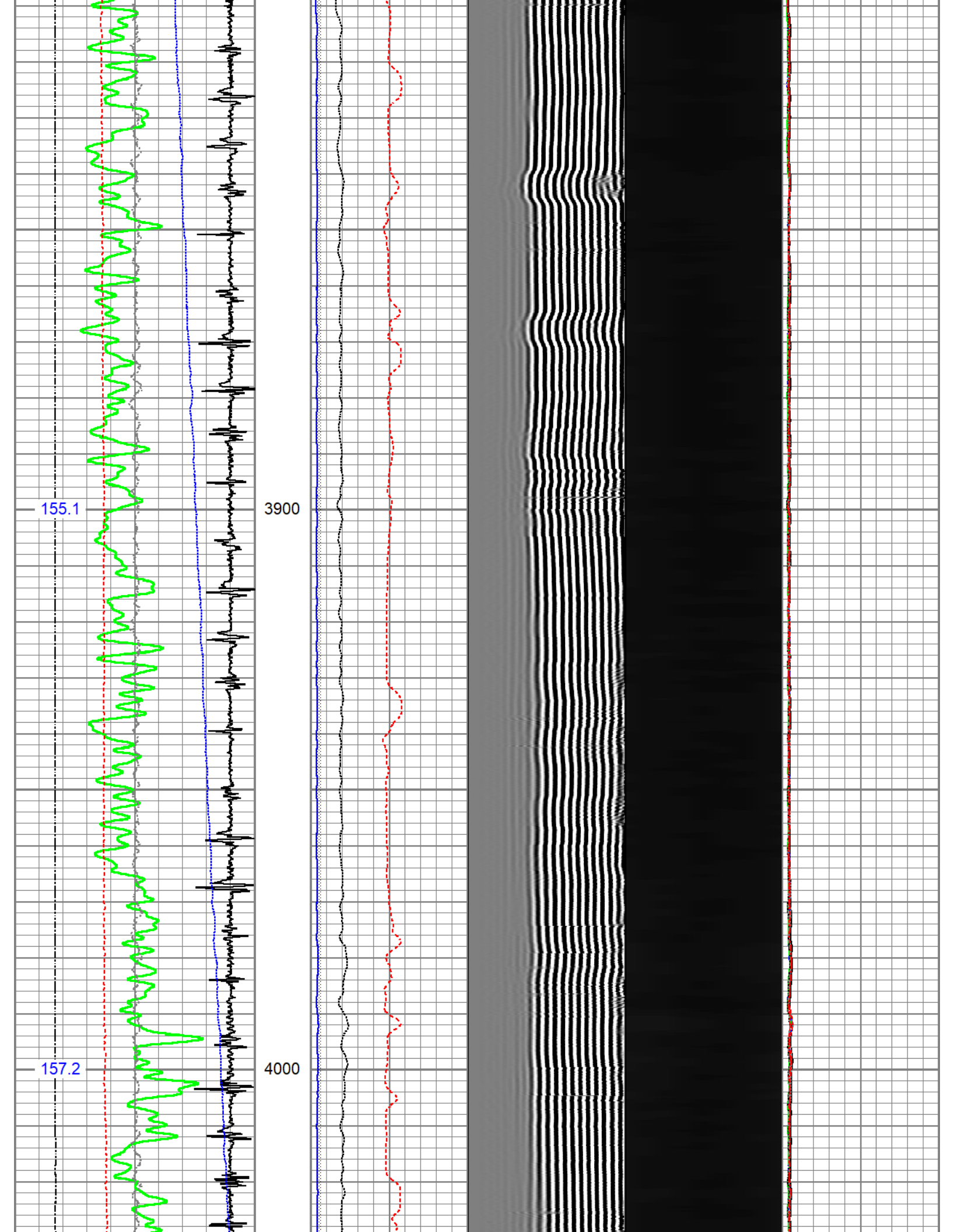
151.4

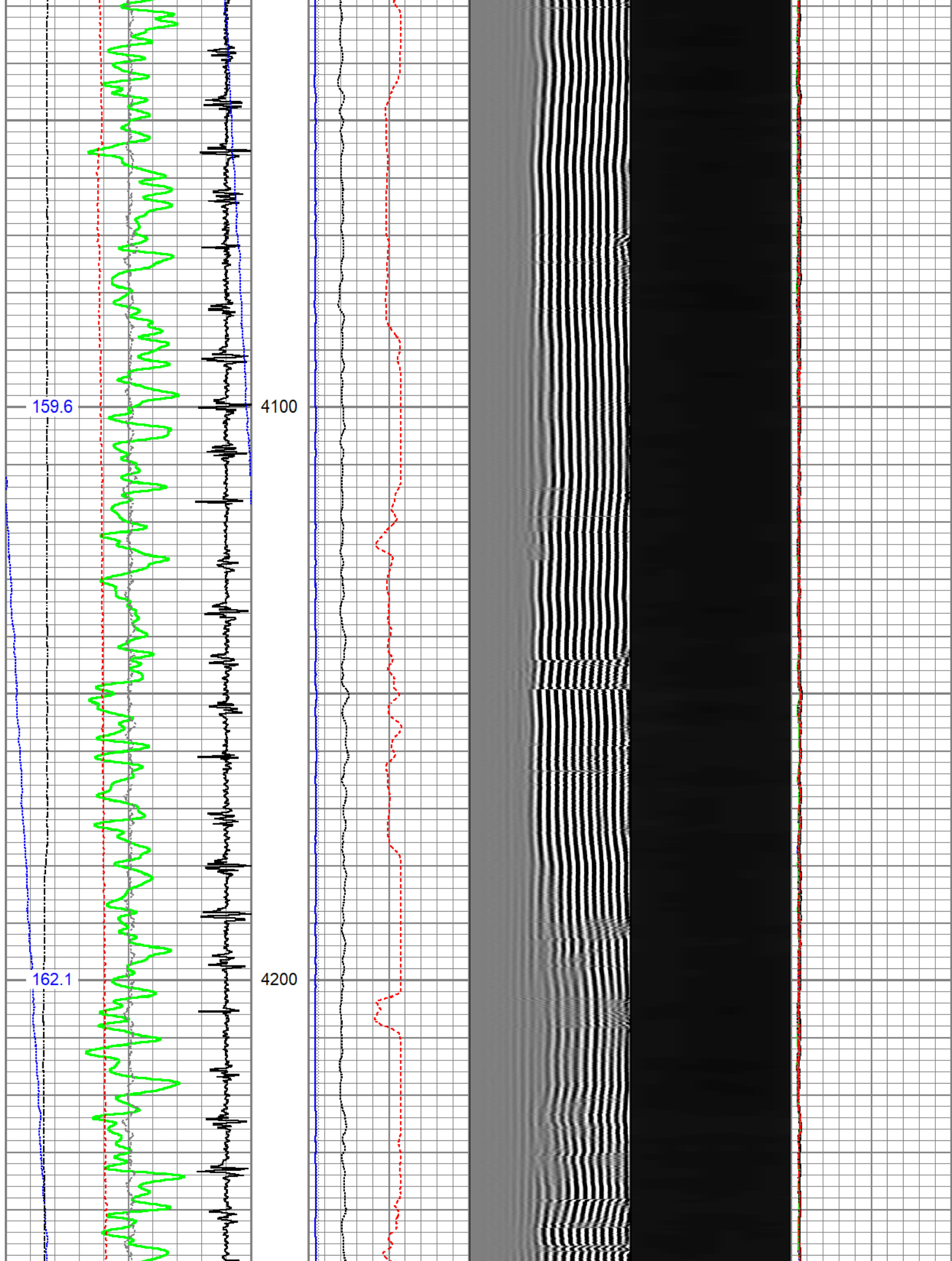
3700

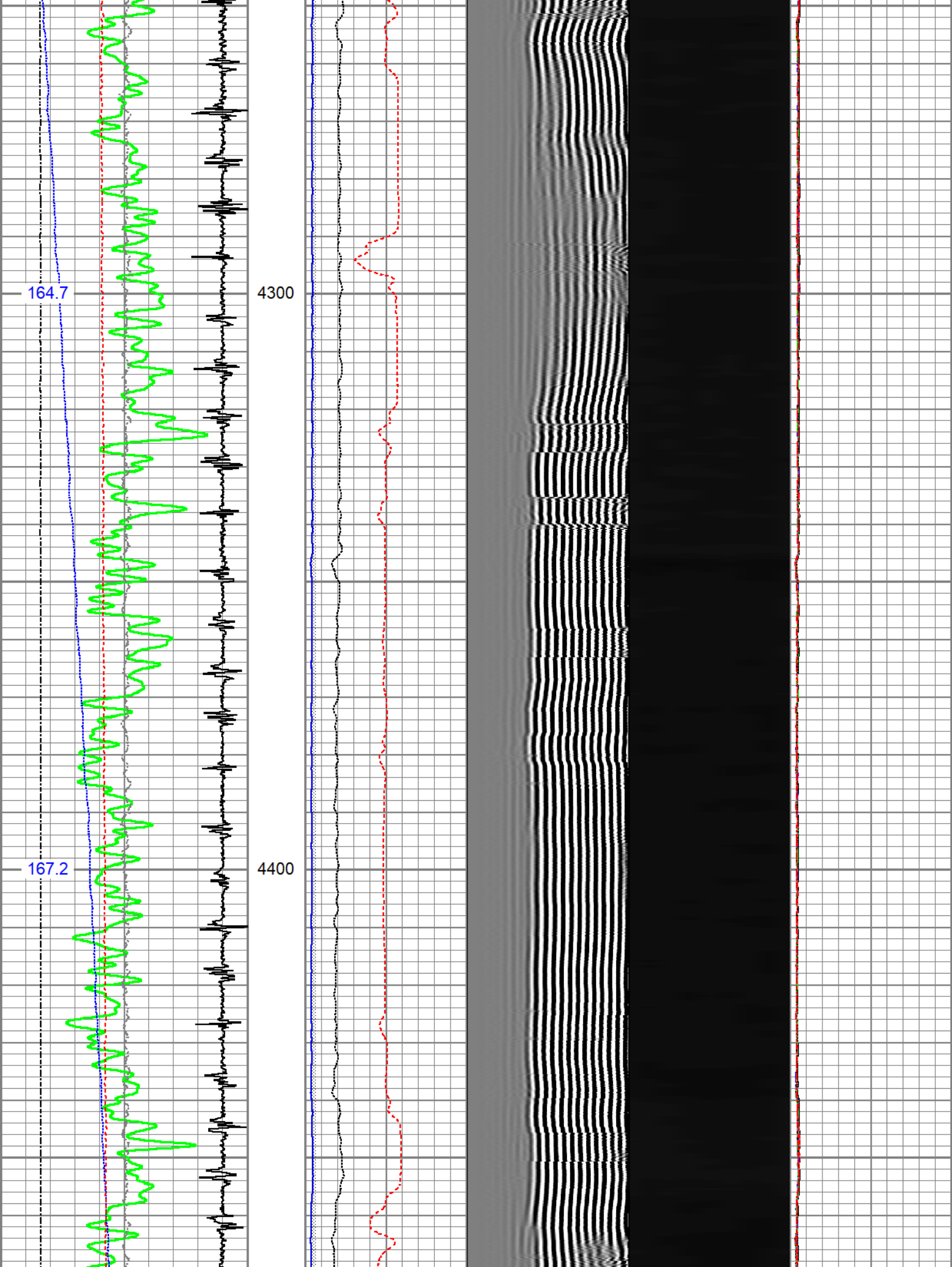
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3800









174.4

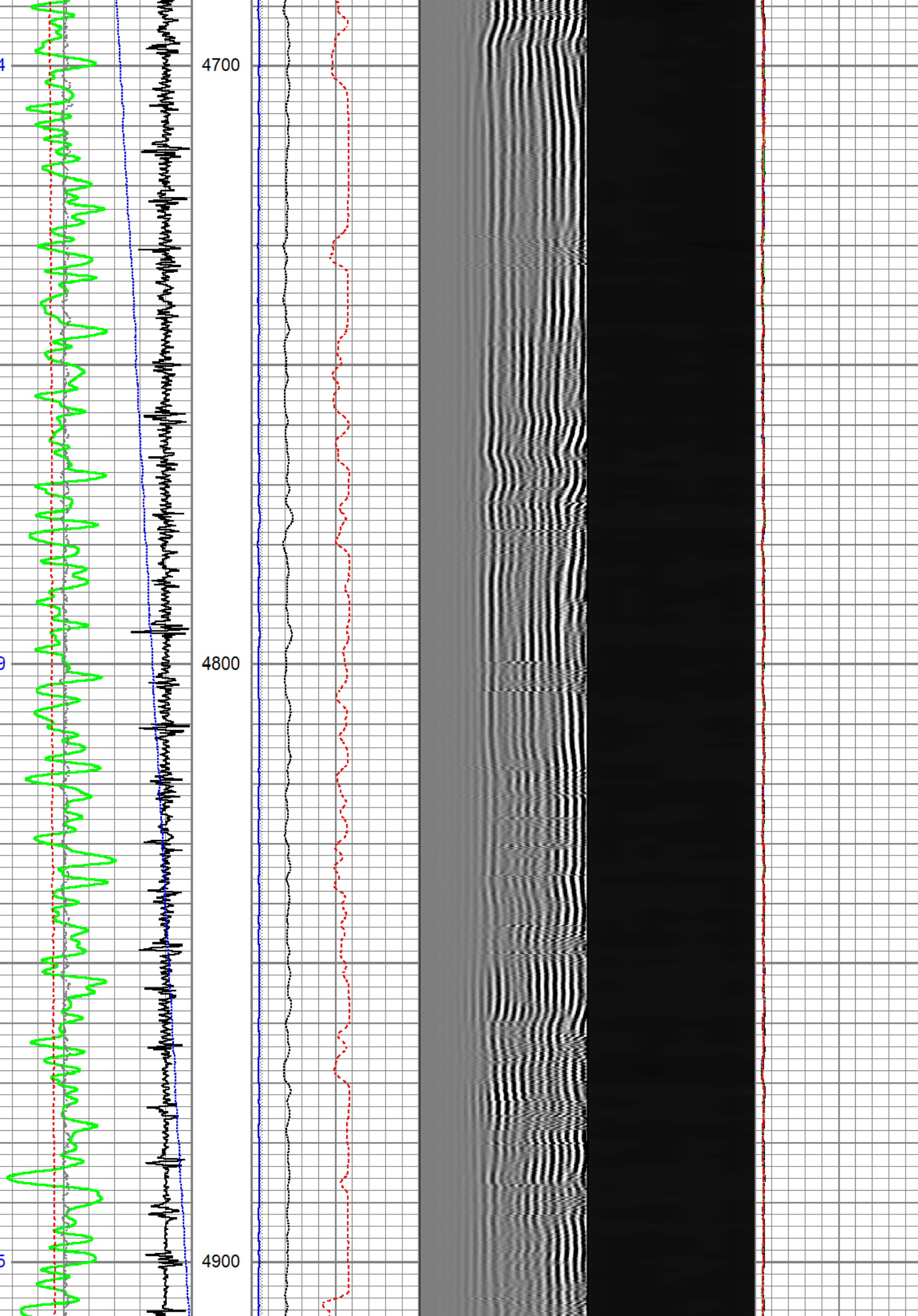
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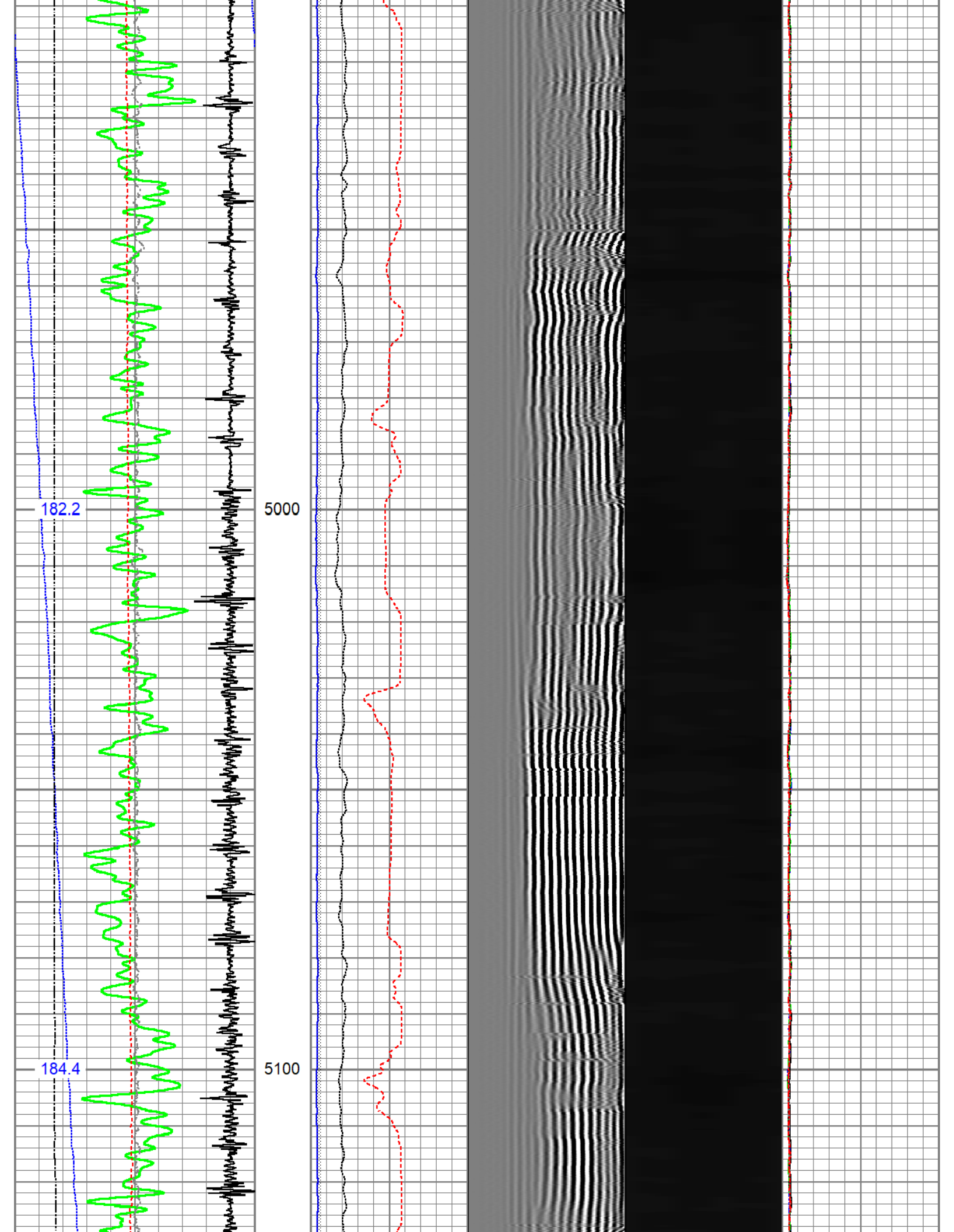
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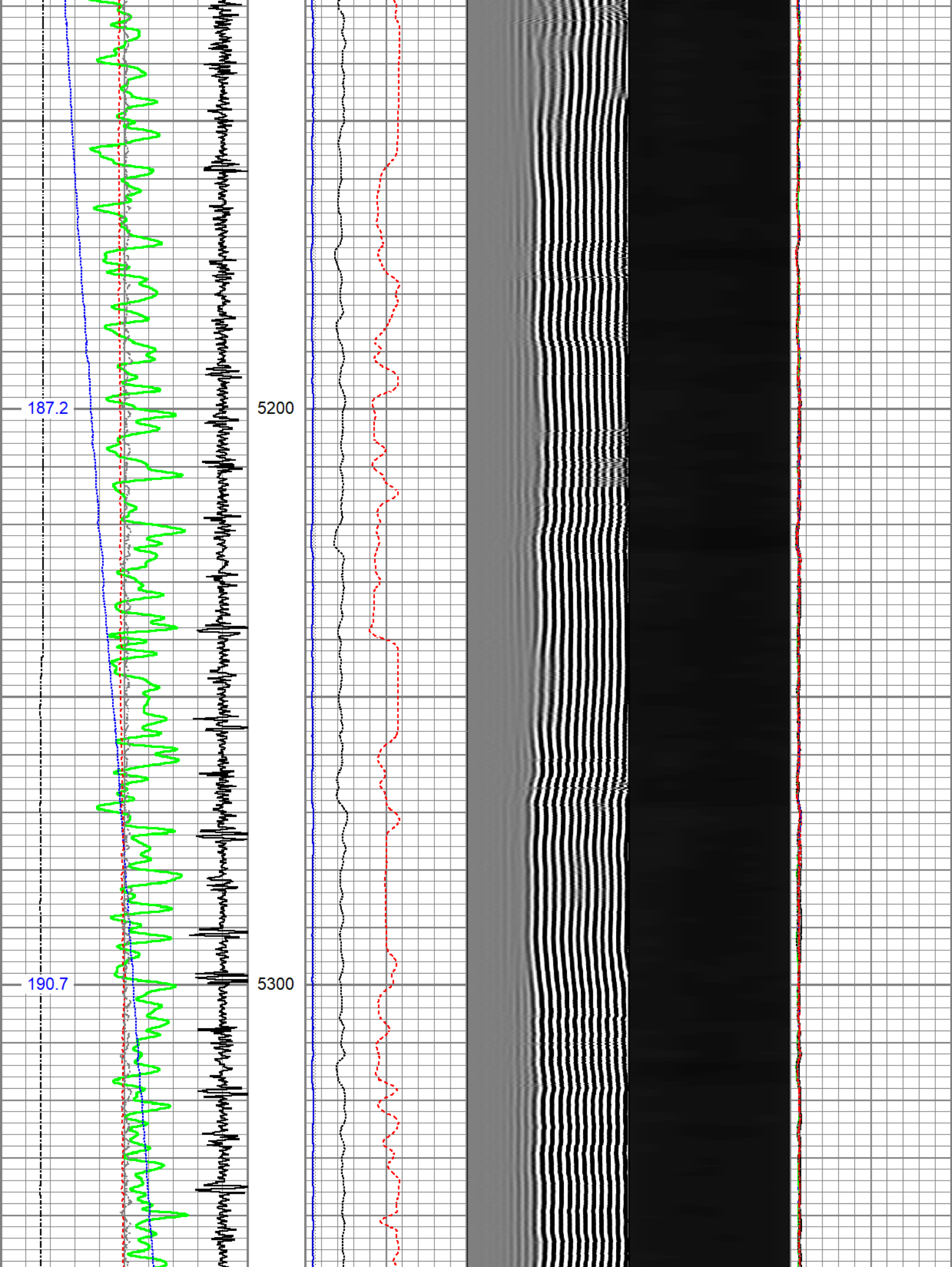
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4800

4900





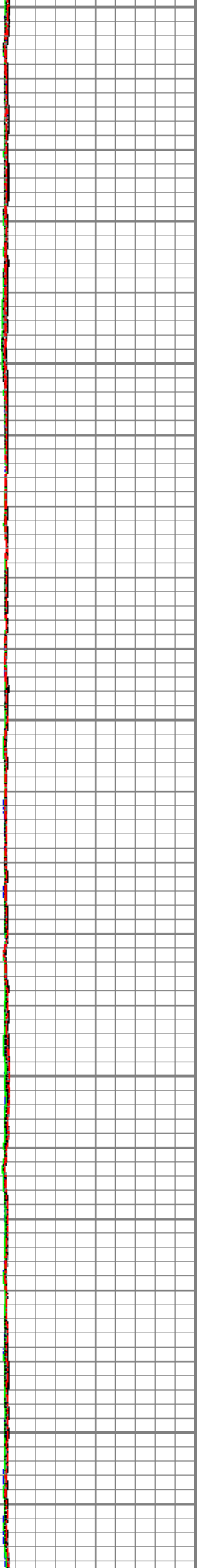
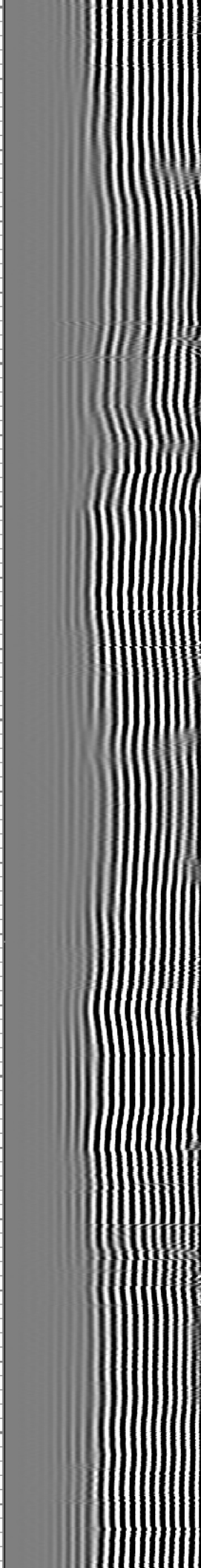
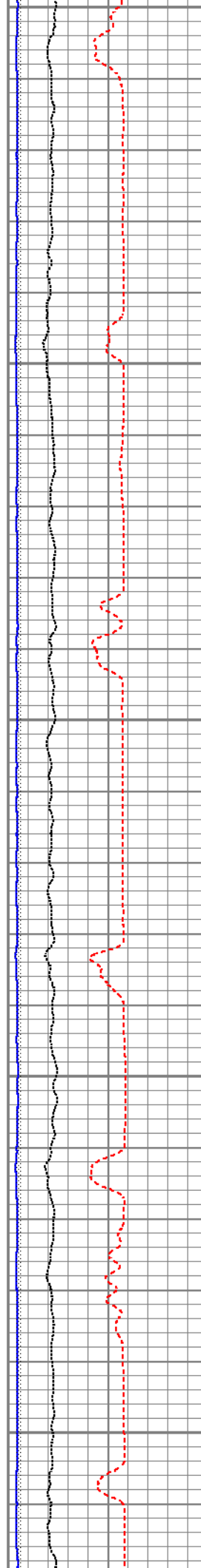
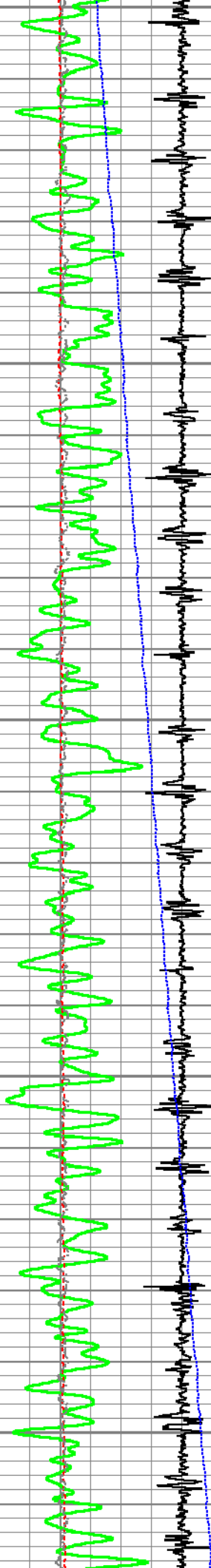


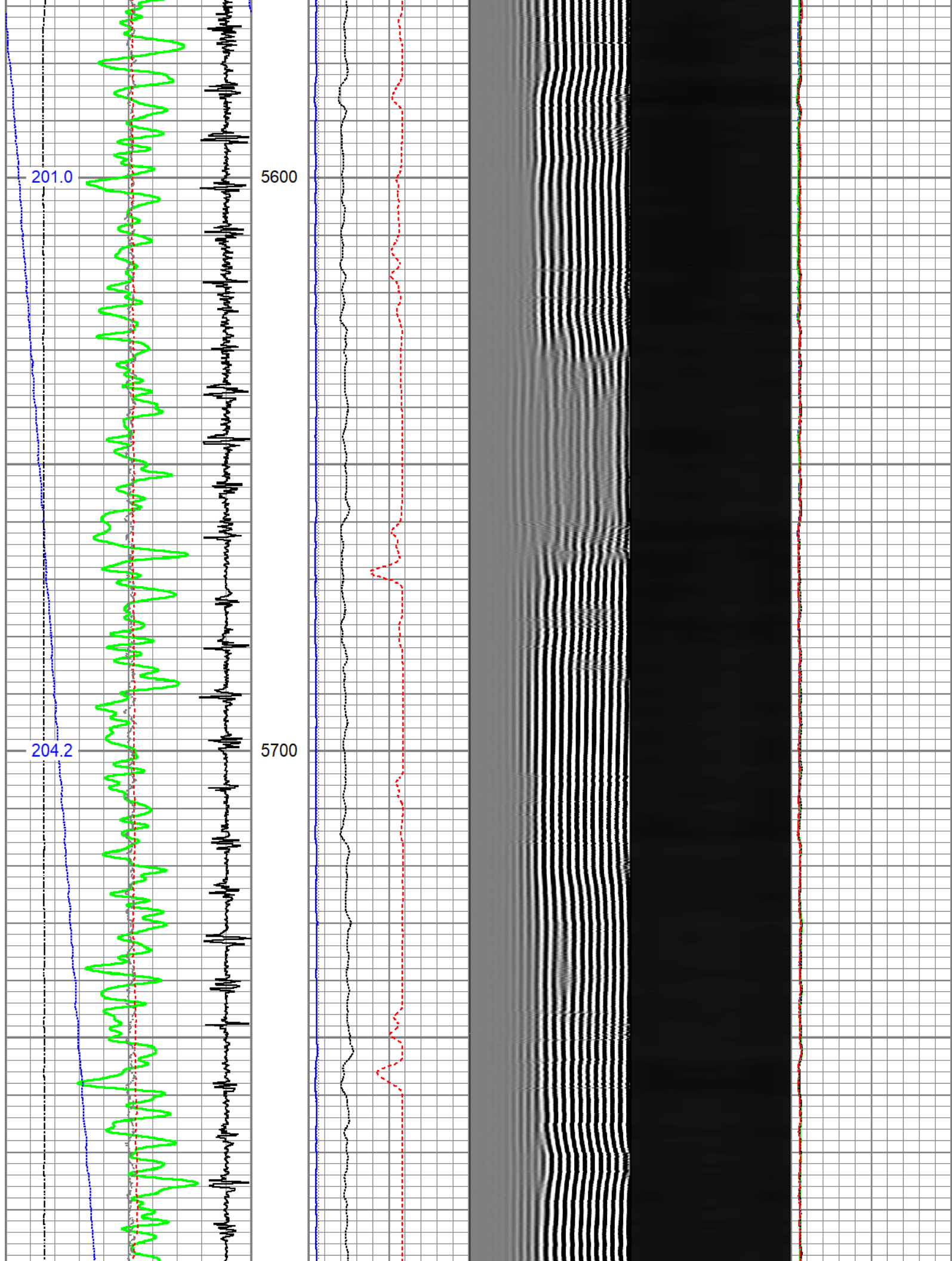
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5400

197.4

5500





207.7

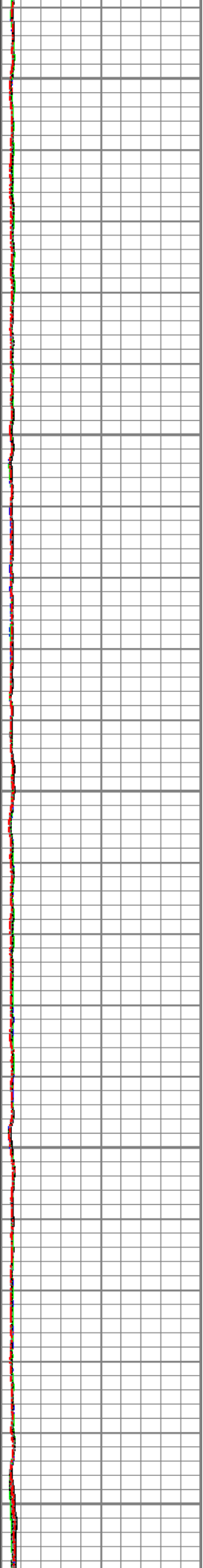
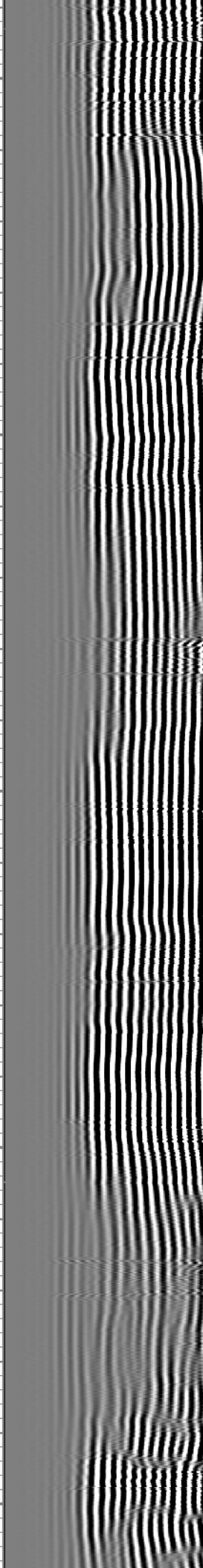
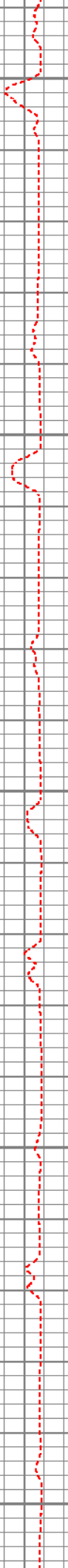
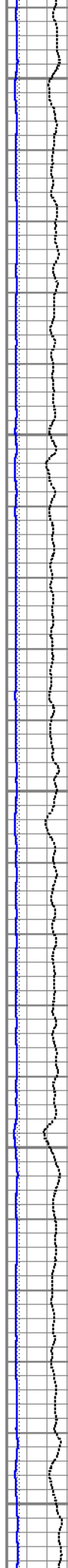
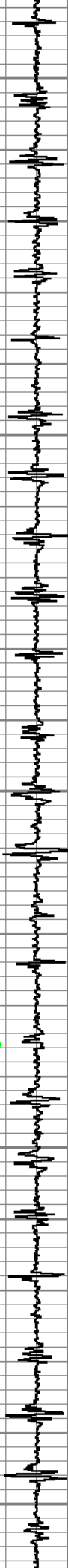
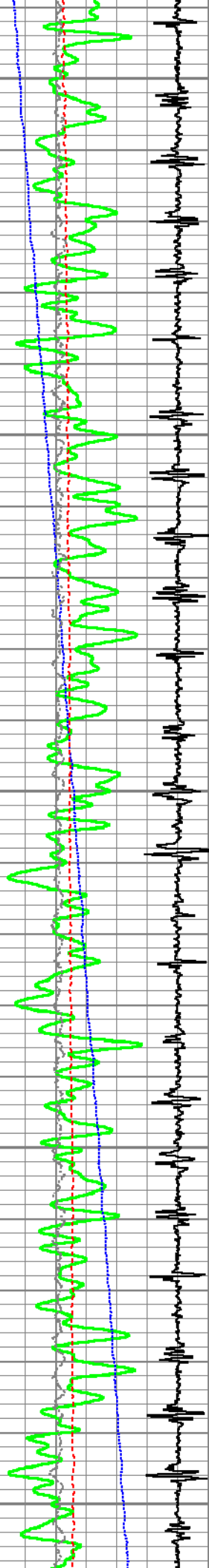
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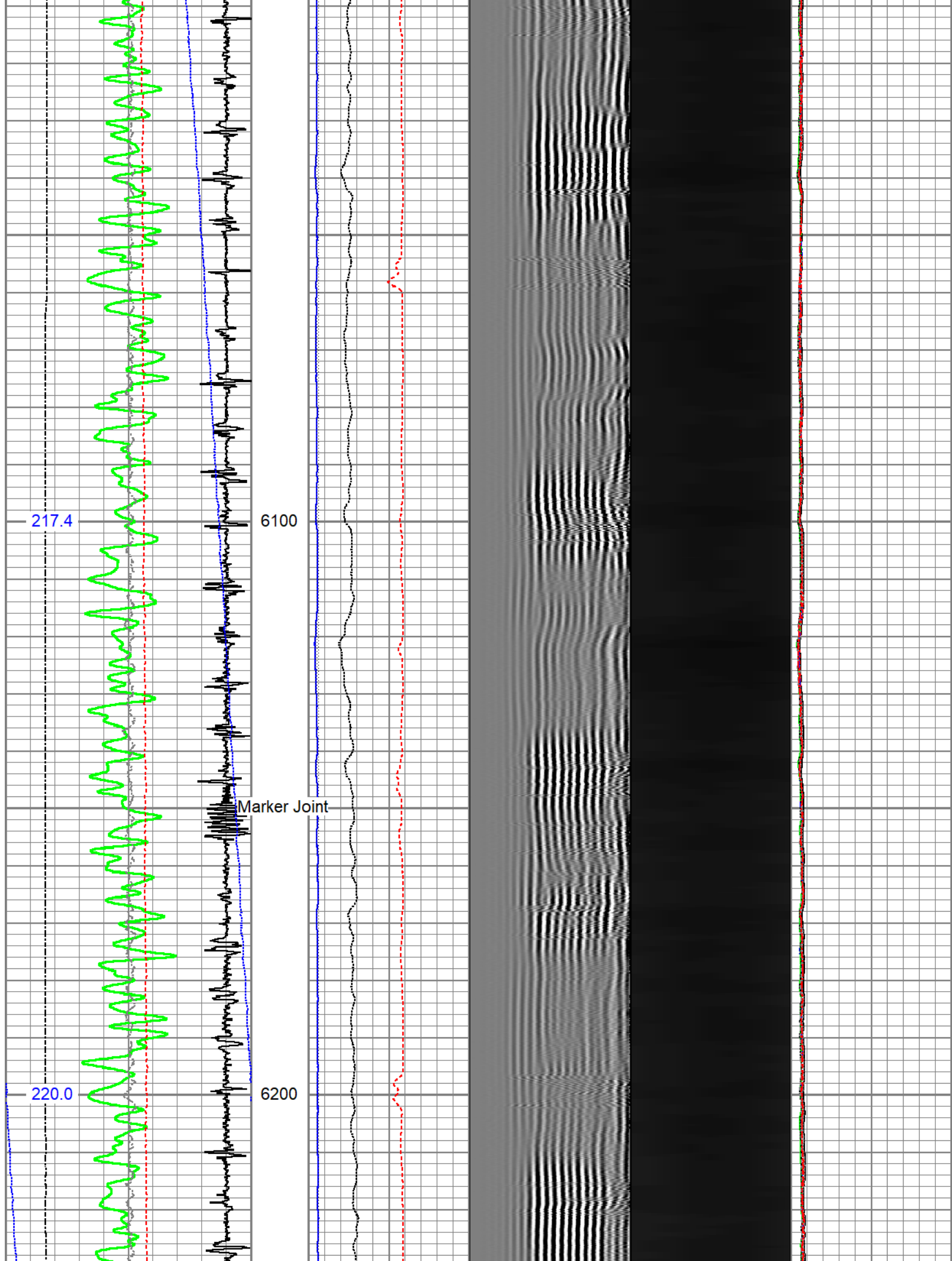
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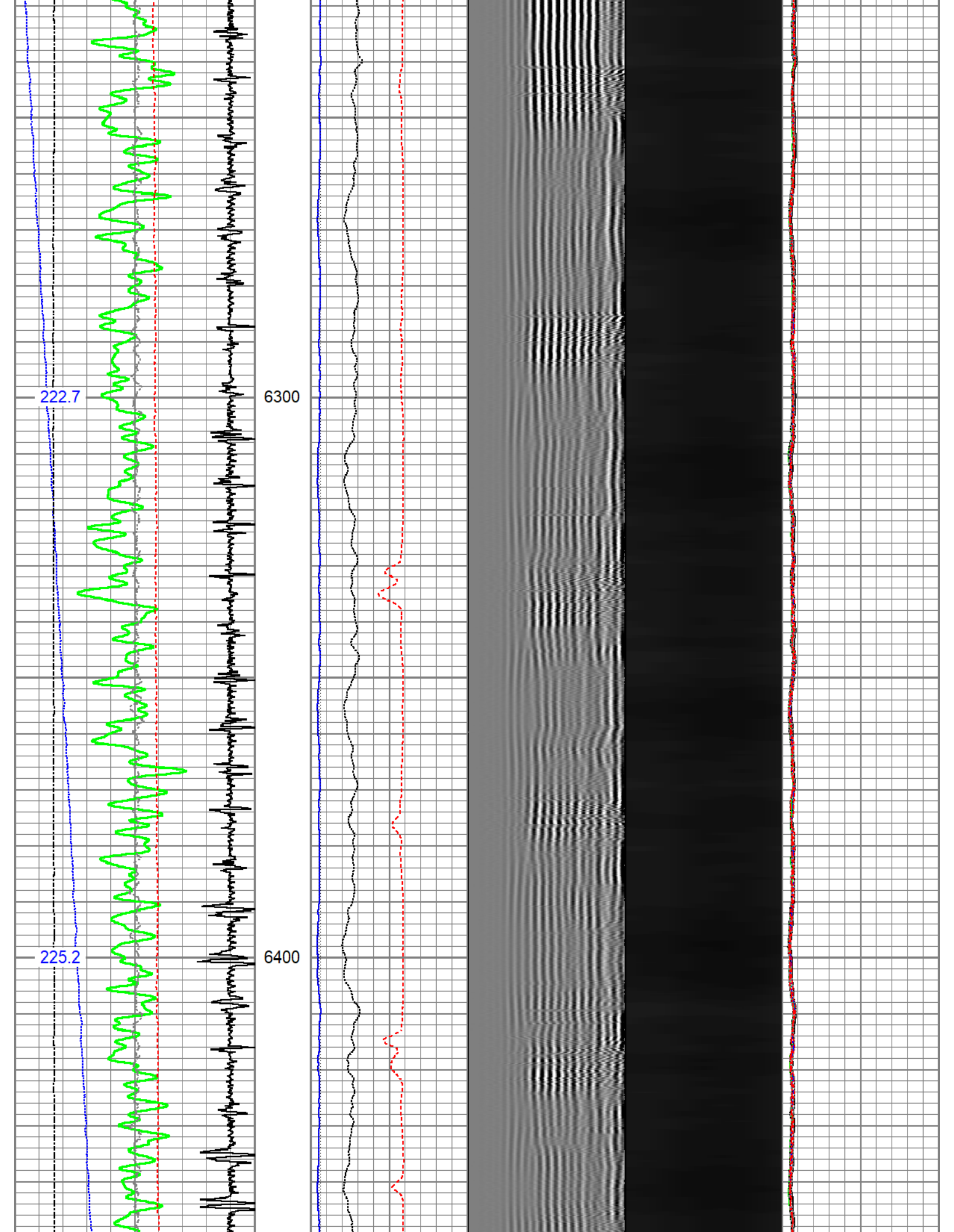
5800

5900

6000







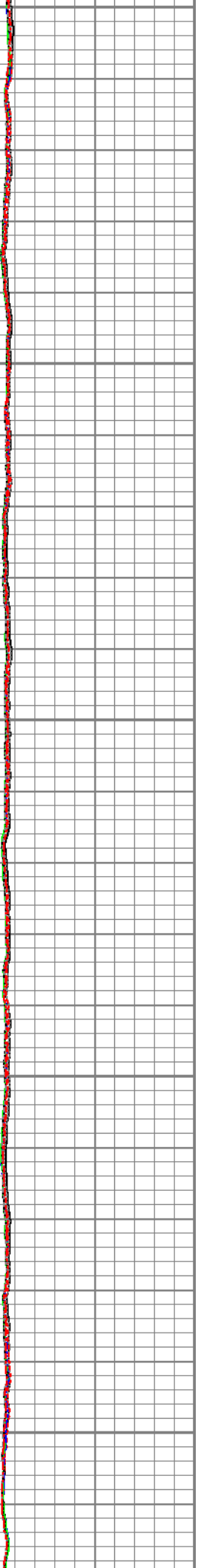
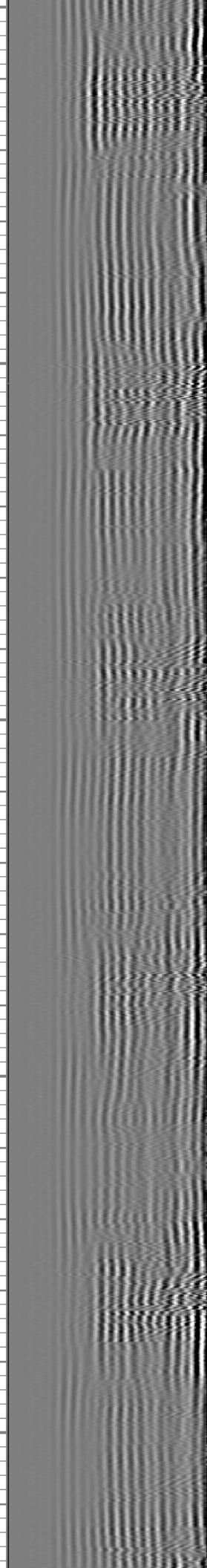
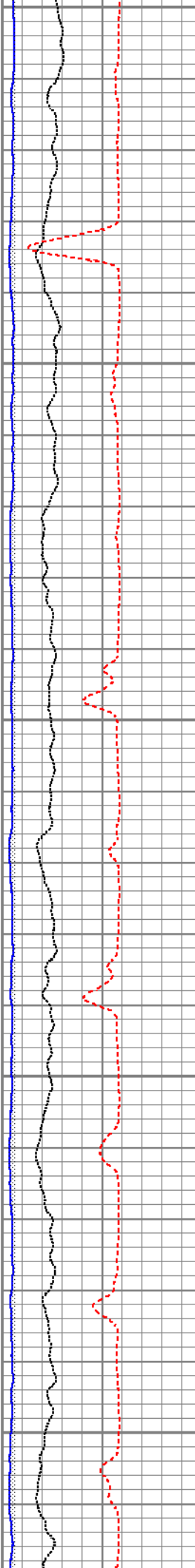
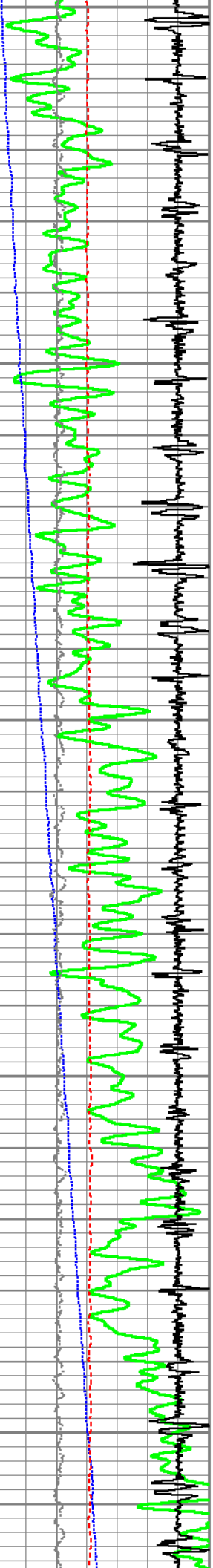
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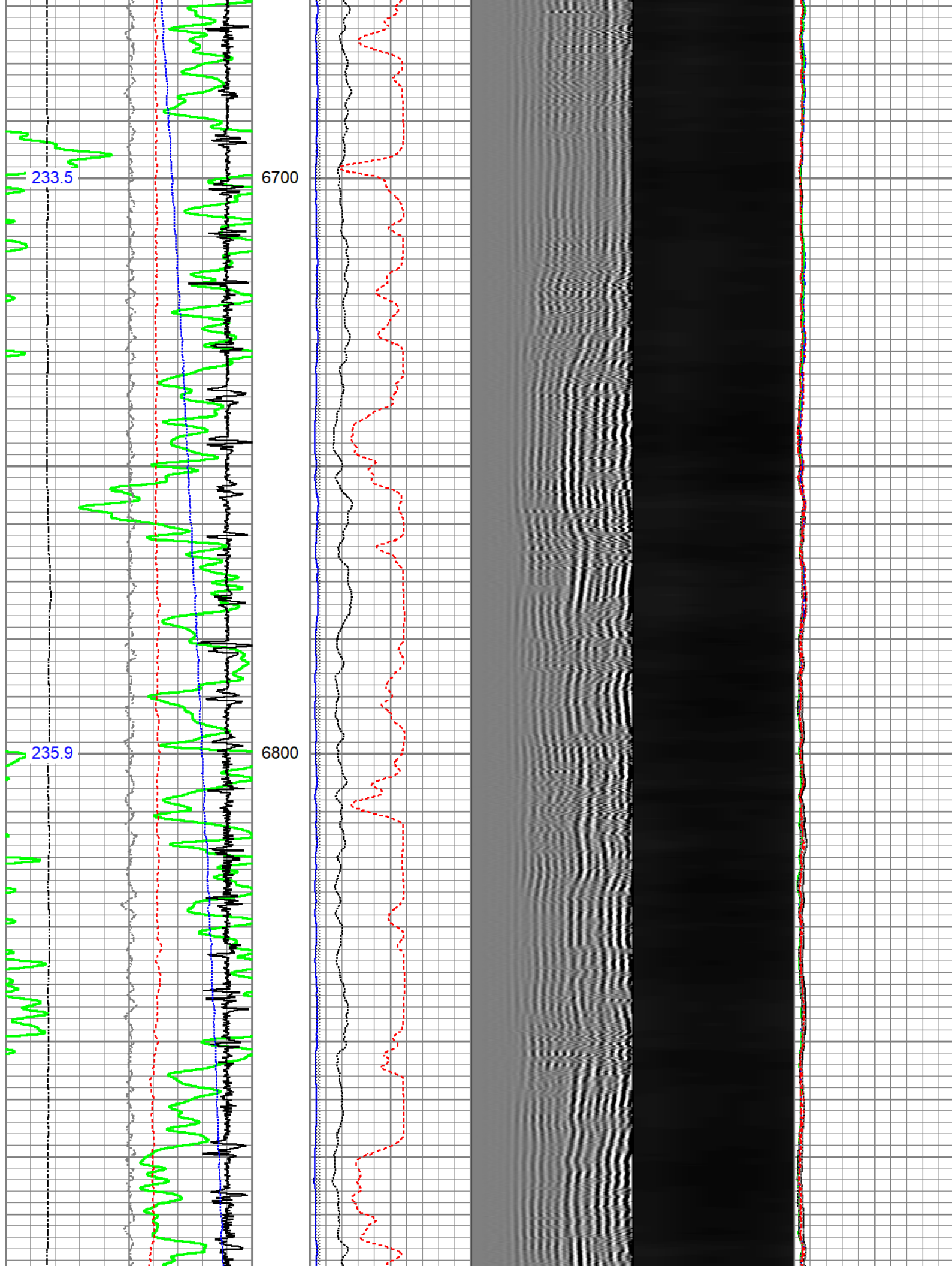
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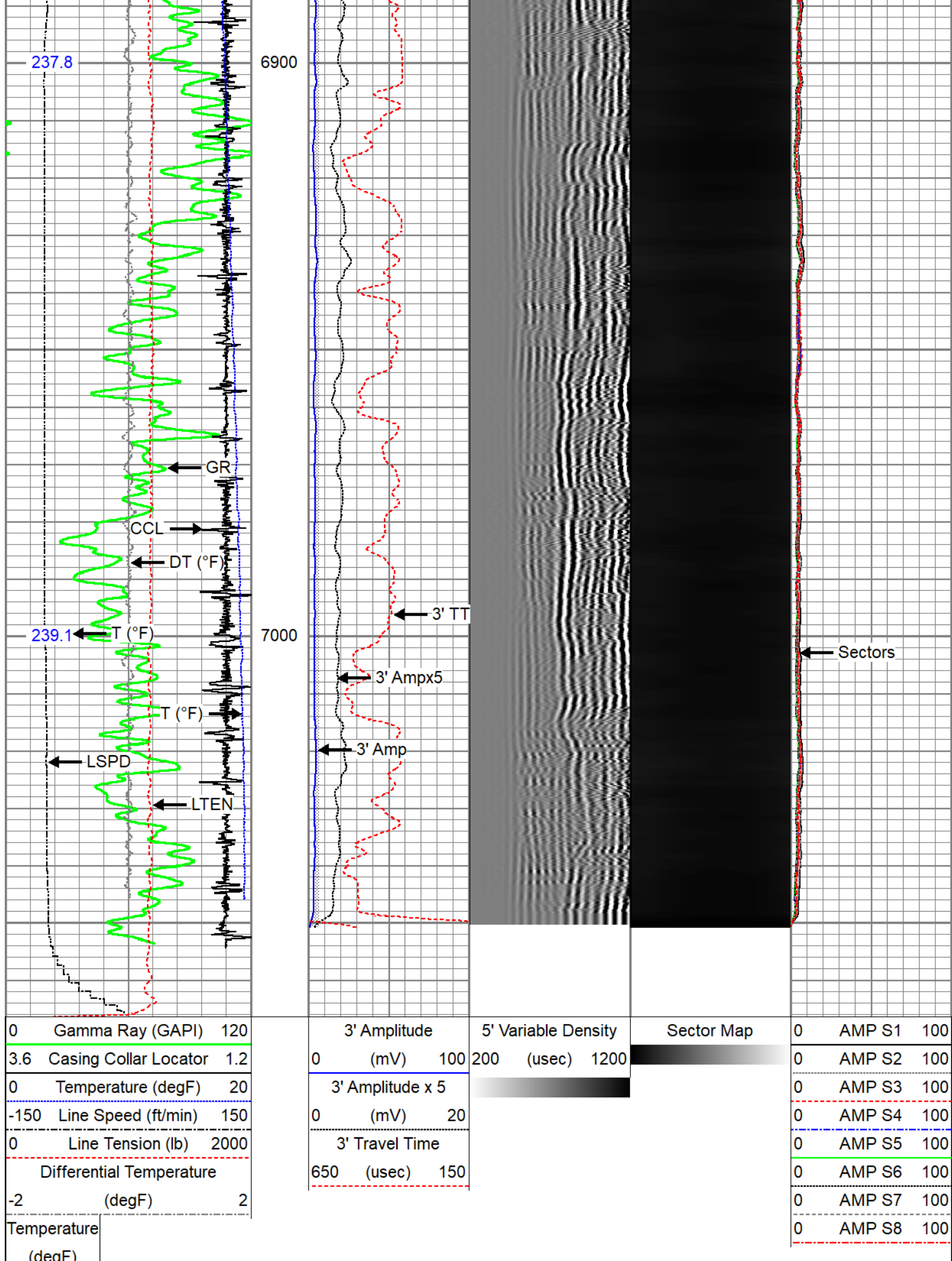
230.5

6500

6600







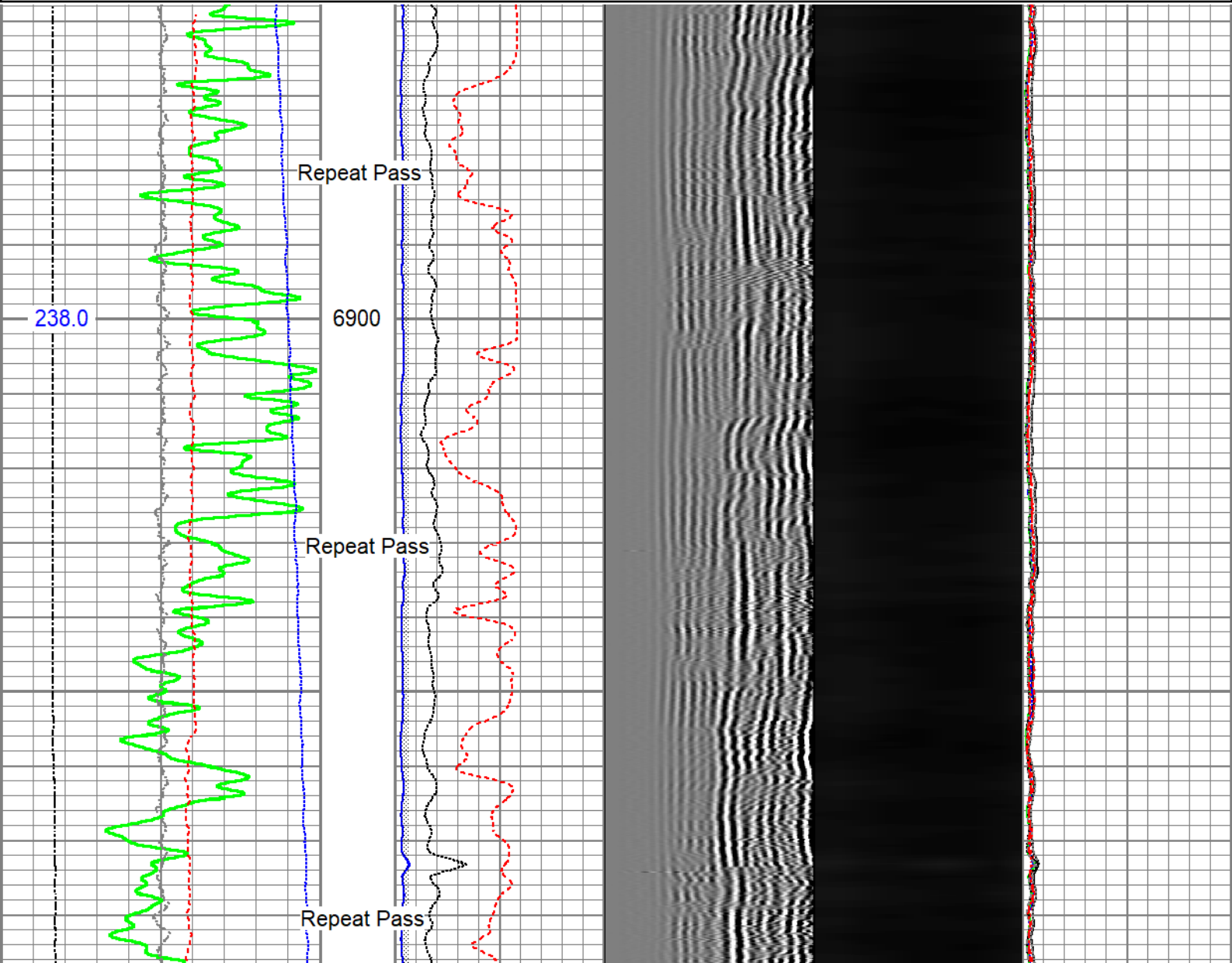


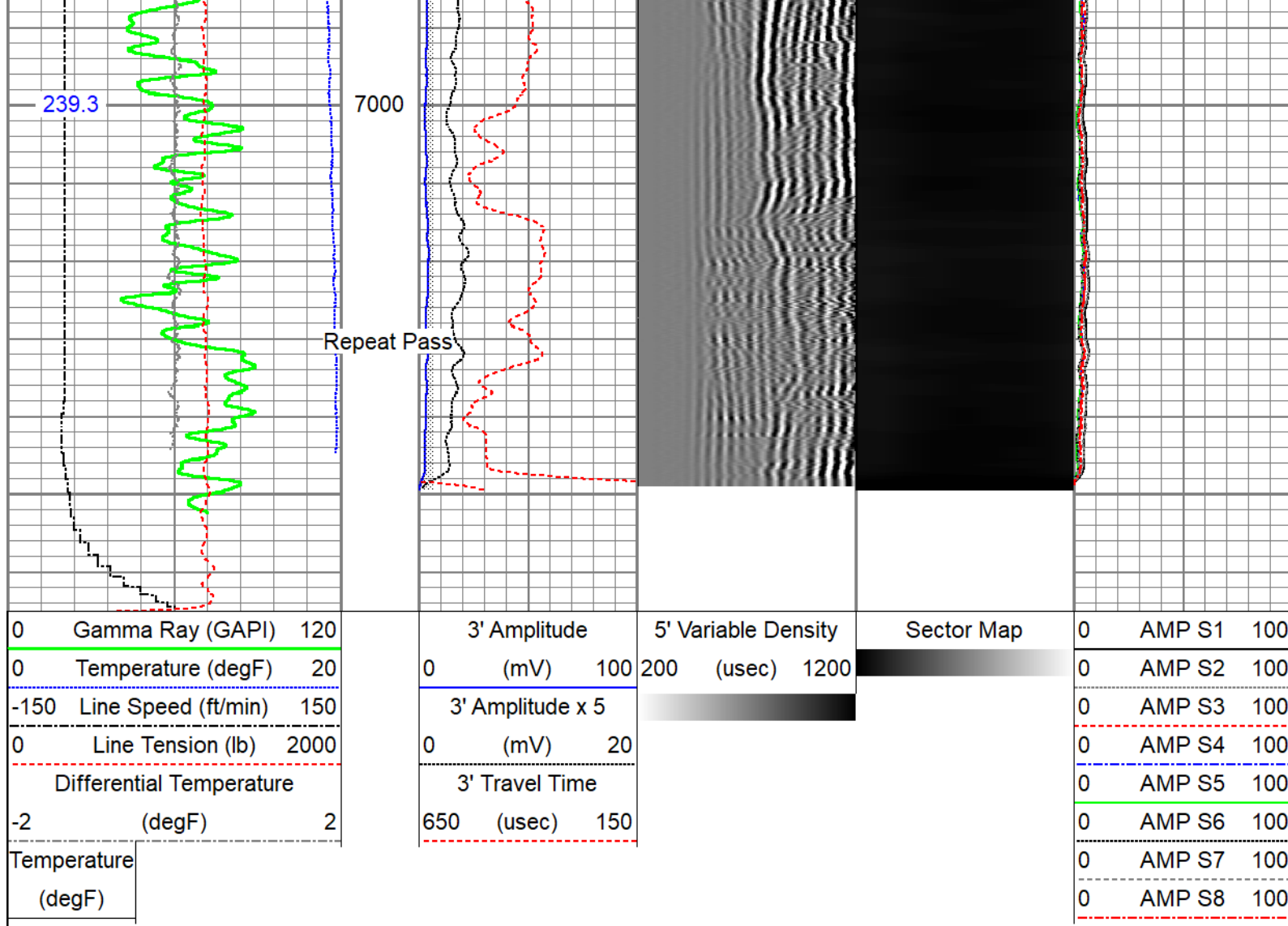
Repeat Pass

Recorded With 2500 PSI Surface Induced Pressure

Database File	chevron_noble\noble_rampart a32-739_rbl_10-06-21\noble_rampart a32-739_rbl_10-06-21.db
Dataset Pathname	repeat
Presentation Format	edge_rbl_noble
Dataset Creation	Wed Oct 06 15:24:21 2021
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	120	3' Amplitude	5' Variable Density	Sector Map	0	AMP S1	100
0	Temperature (degF)	20	0 (mV) 100	200 (usec) 1200		0	AMP S2	100
-150	Line Speed (ft/min)	150	3' Amplitude x 5			0	AMP S3	100
0	Line Tension (lb)	2000	0 (mV) 20			0	AMP S4	100
Differential Temperature			3' Travel Time			0	AMP S5	100
-2	(degF)	2	650 (usec) 150			0	AMP S6	100
Temperature						0	AMP S7	100
(degF)						0	AMP S8	100





Company Noble Energy Inc.
 Well Rampart A32-739
 Field Wattenberg
 County Weld
 State Colorado