



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company CIVITAS
Well UPRR-AMOCO 23-1-63-OWP
Field SHEEHAN
County Weld
State Colorado

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Field SHEEHAN
County Weld State Colorado

Location: SEC 23 TWP 1N RGE 63W
API #: 05-123-15959-00
Permanent Datum Elevation 4902'
Log Measured From
Drilling Measured From
Other Services
CIBP
CMT
Elevation
K.B. ---
D.F. ---
G.L. 4902'

Date	7-27-23				
Run Number	ONE				
Depth Driller	7330'				
Depth Logger	7100'				
Bottom Logged Interval	7106'				
Top Log Interval	Surface				
Open Hole Size	7.875"				
Type Fluid	Water				
Density / Viscosity	---				
Max. Recorded Temp.	210 F				
Estimated Cement Top	See Log				
Time Well Ready	ROA				
Time Logger on Bottom	12:00 pm				
Equipment Number	2-002				
Location	Platteville				
Recorded By	W/Dolph				
Witnessed By	PETE BURNS				
Borehole Record					
Run Number	Bit	From	To	Size	To
Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom
Surface Casing	8.5/8"	24	---	Surface	314'
Intermediate #1	5.5'	15.5	---	Surface	7330'
Intermediate #2					
Liner					
Tubing Record					
				From	To

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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 ran as per customer request
Depth referenced to Ground level
Log ran with 0 PSI Surface Induced Pressure
Logging tools were clean and free of any debris upon completion of operations

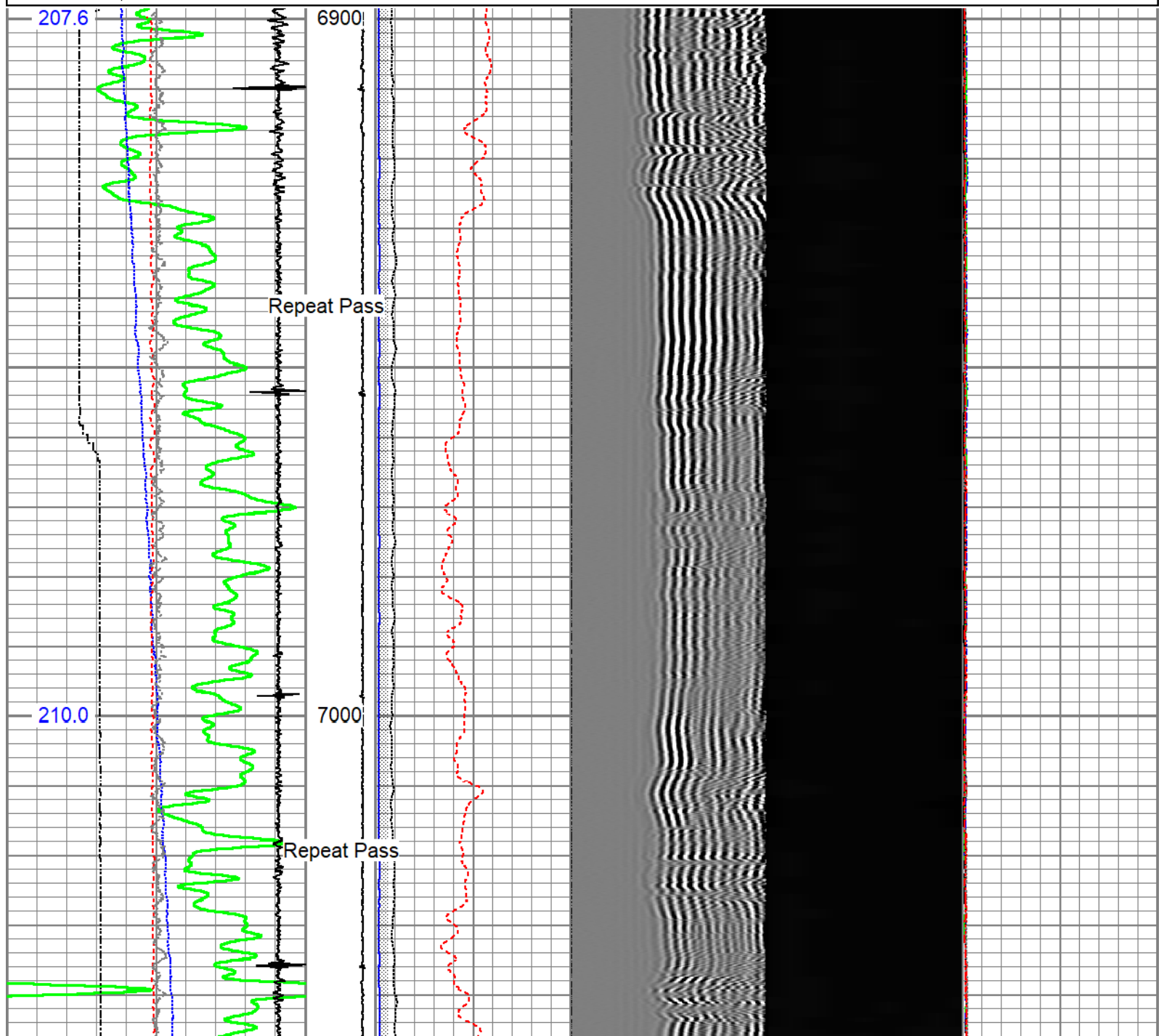
Repeat Pass

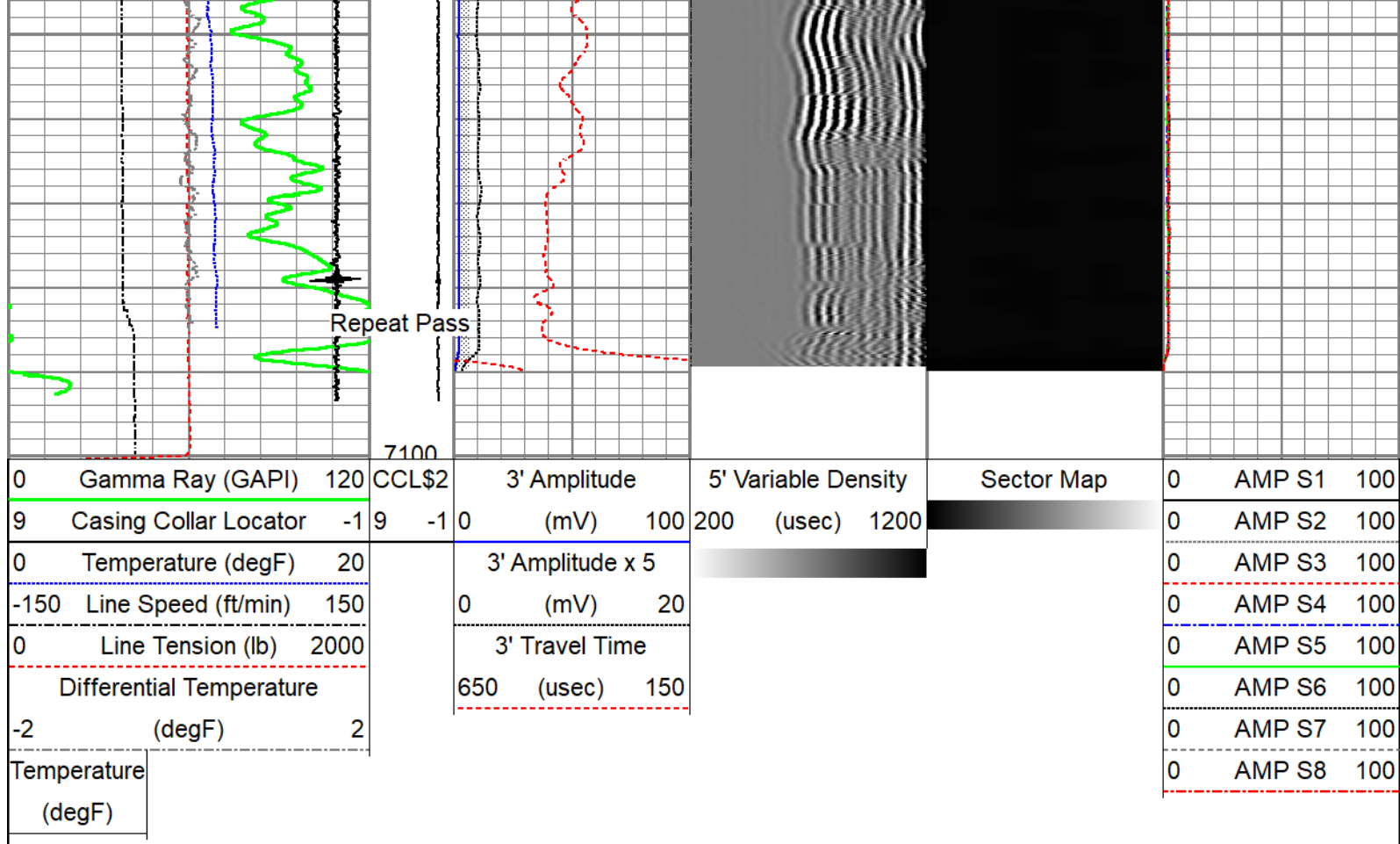



No Pressure induced at surface

Database File uprr-amoco 23-1-63.db
 Dataset Pathname cbl/repeat
 Presentation Format edge_rbl_noble
 Dataset Creation Thu Jul 27 11:58:47 2023
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	120	CCL\$2	3' Amplitude	5' Variable Density	Sector Map	0	AMP S1	100
9	Casing Collar Locator	-1	9 -1	(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		(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)								

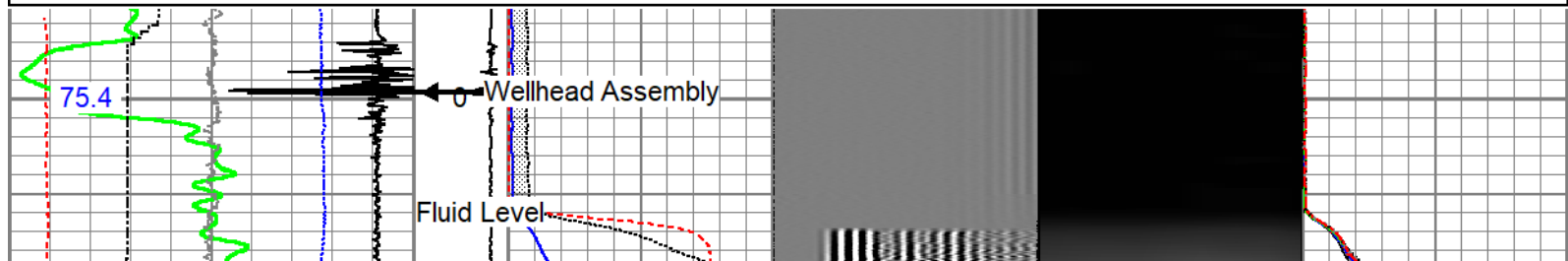
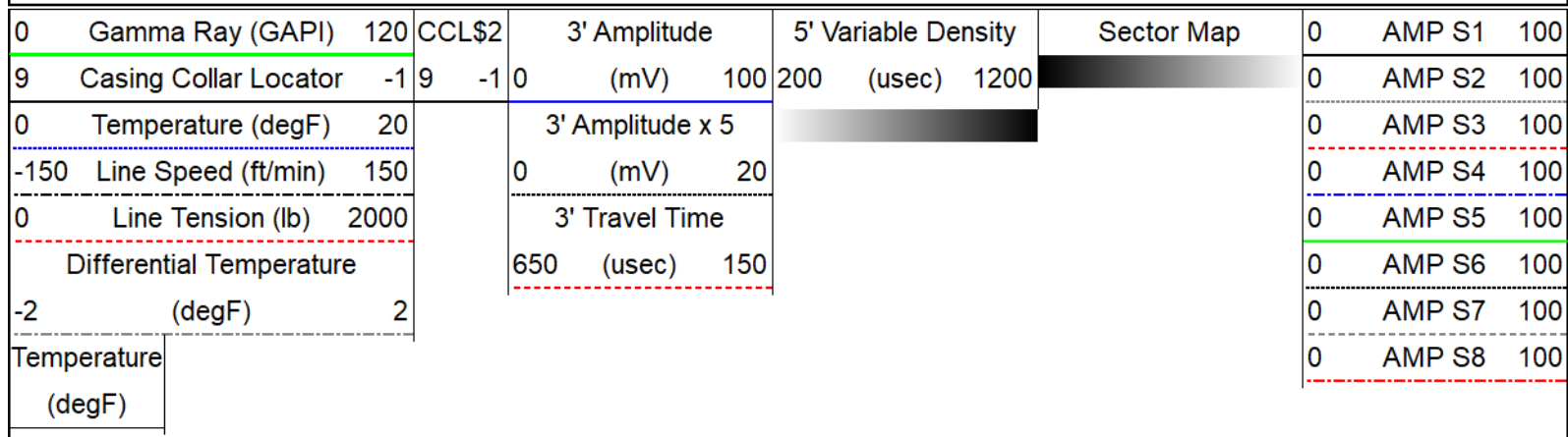


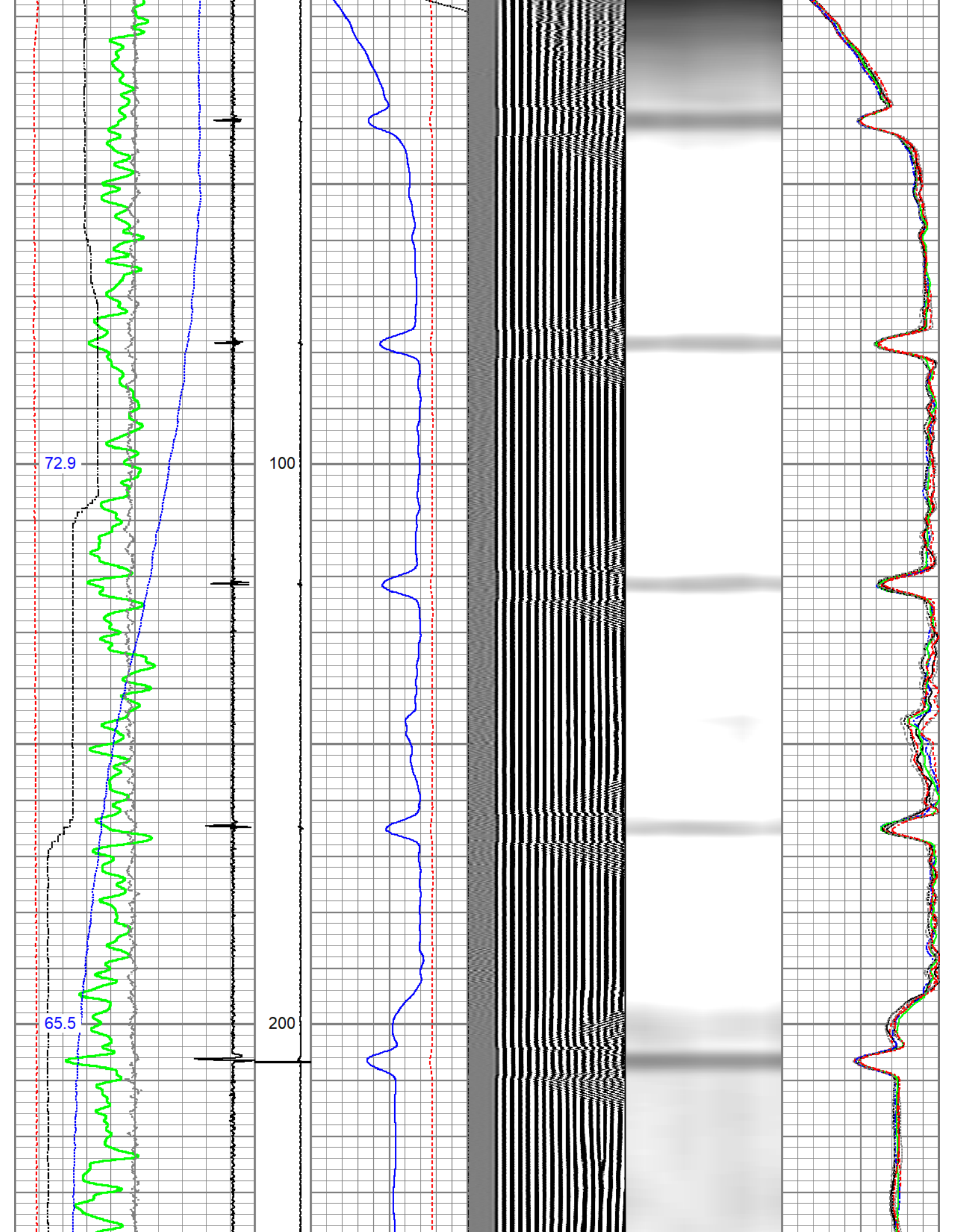



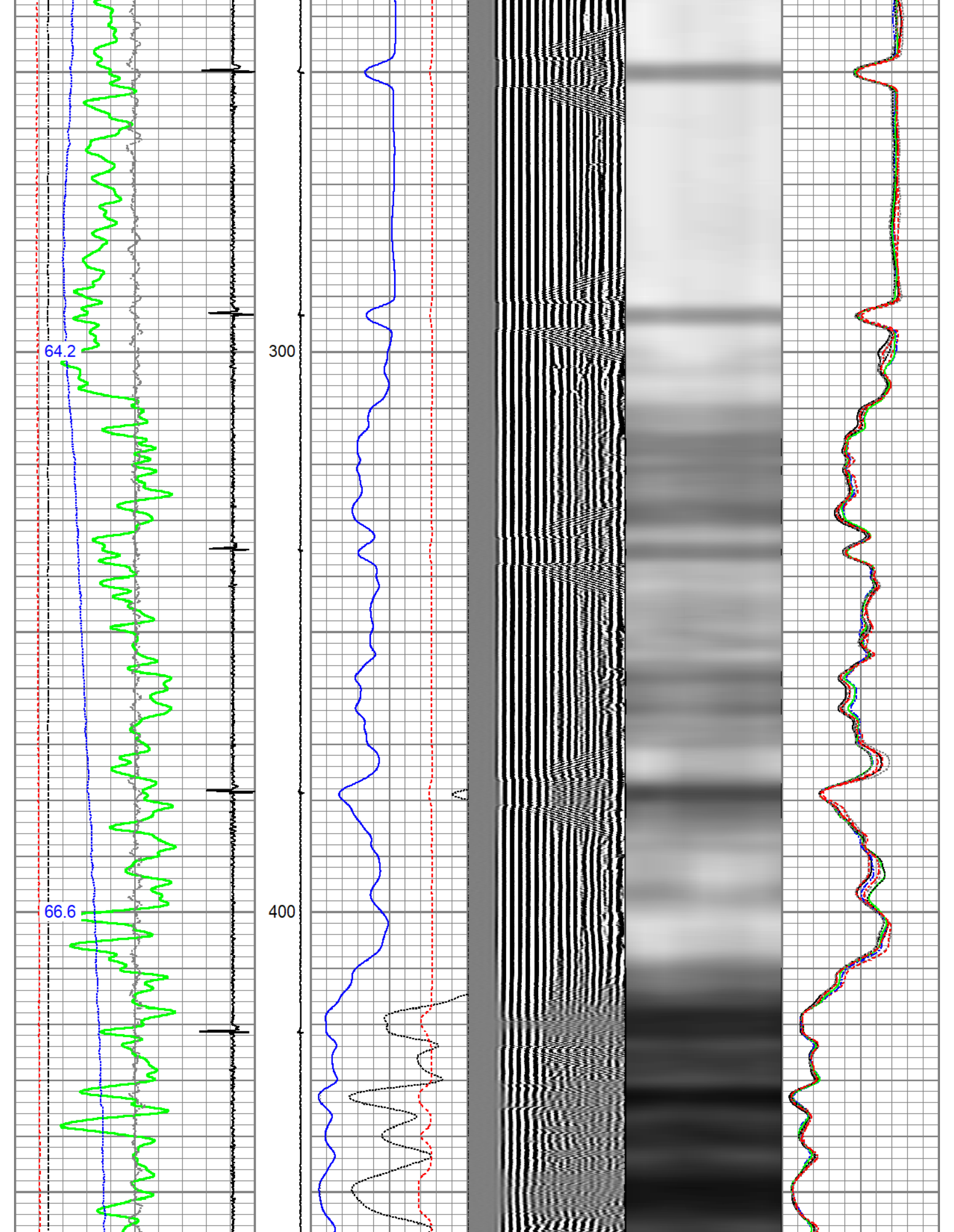
Main Pass

No Pressure induced at surface

Database File uprr-amoco 23-1-63.db
 Dataset Pathname cbl/main_.1
 Presentation Format edge_rbl_noble
 Dataset Creation Thu Jul 27 13:19:34 2023
 Charted by Depth in Feet scaled 1:240





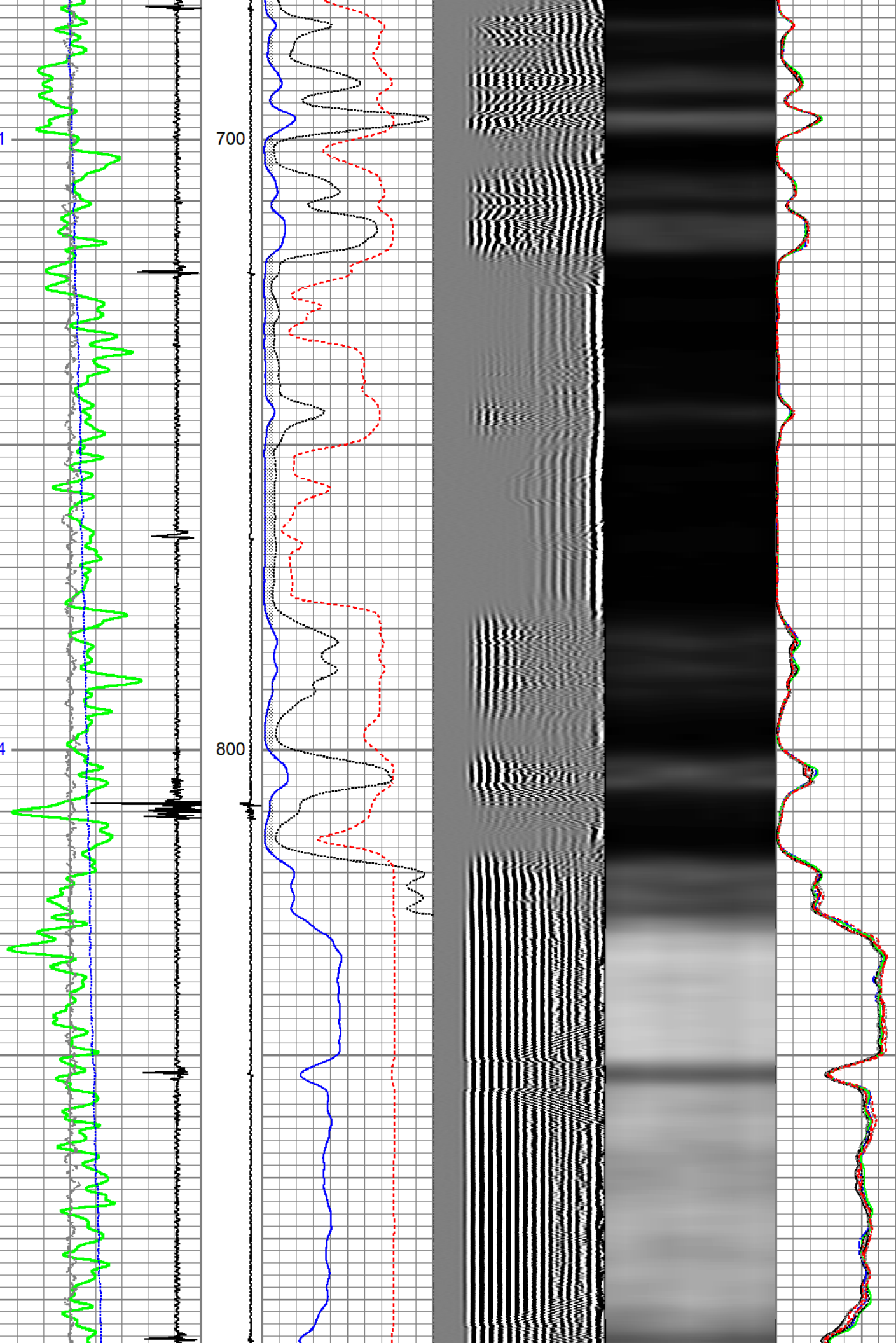


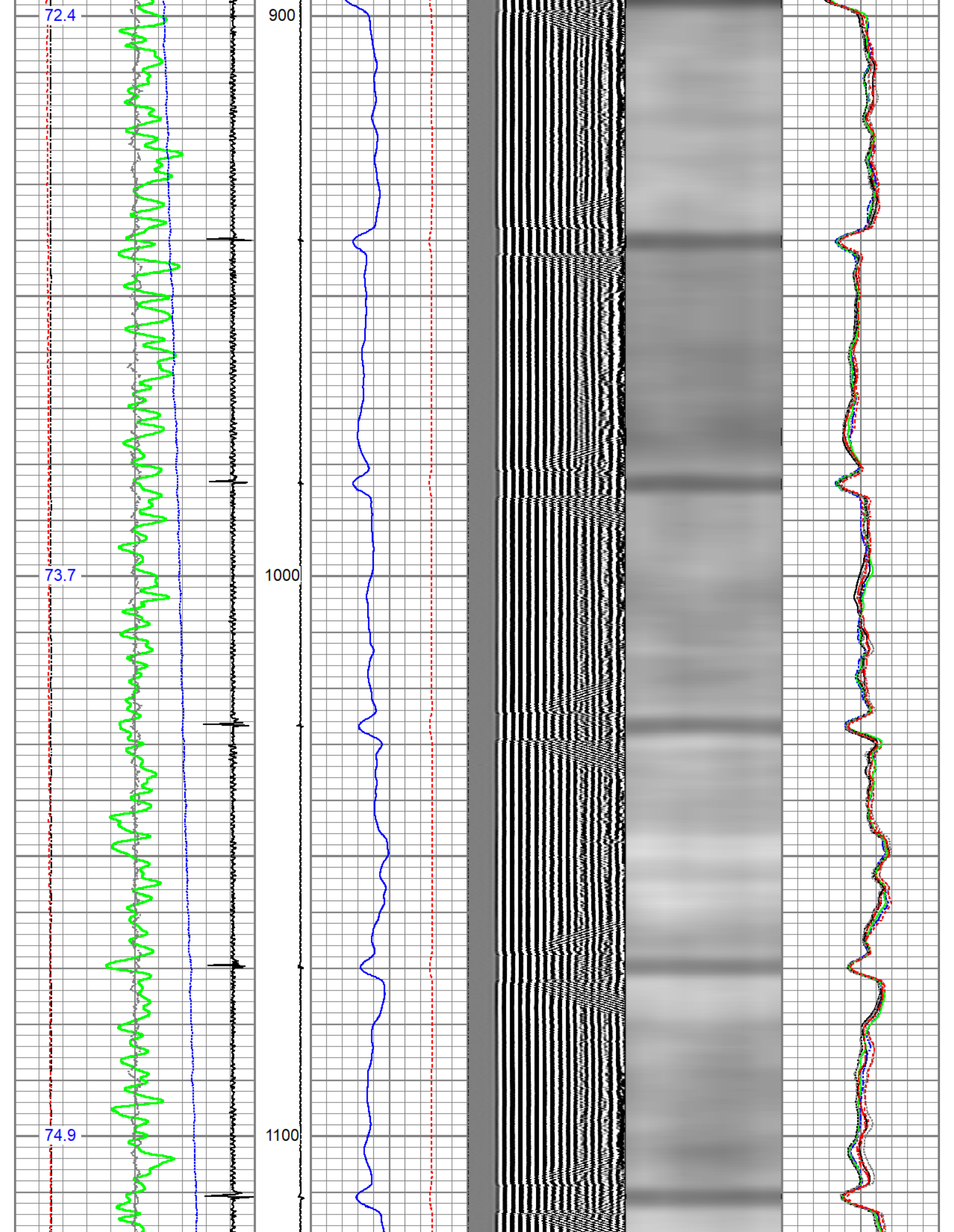
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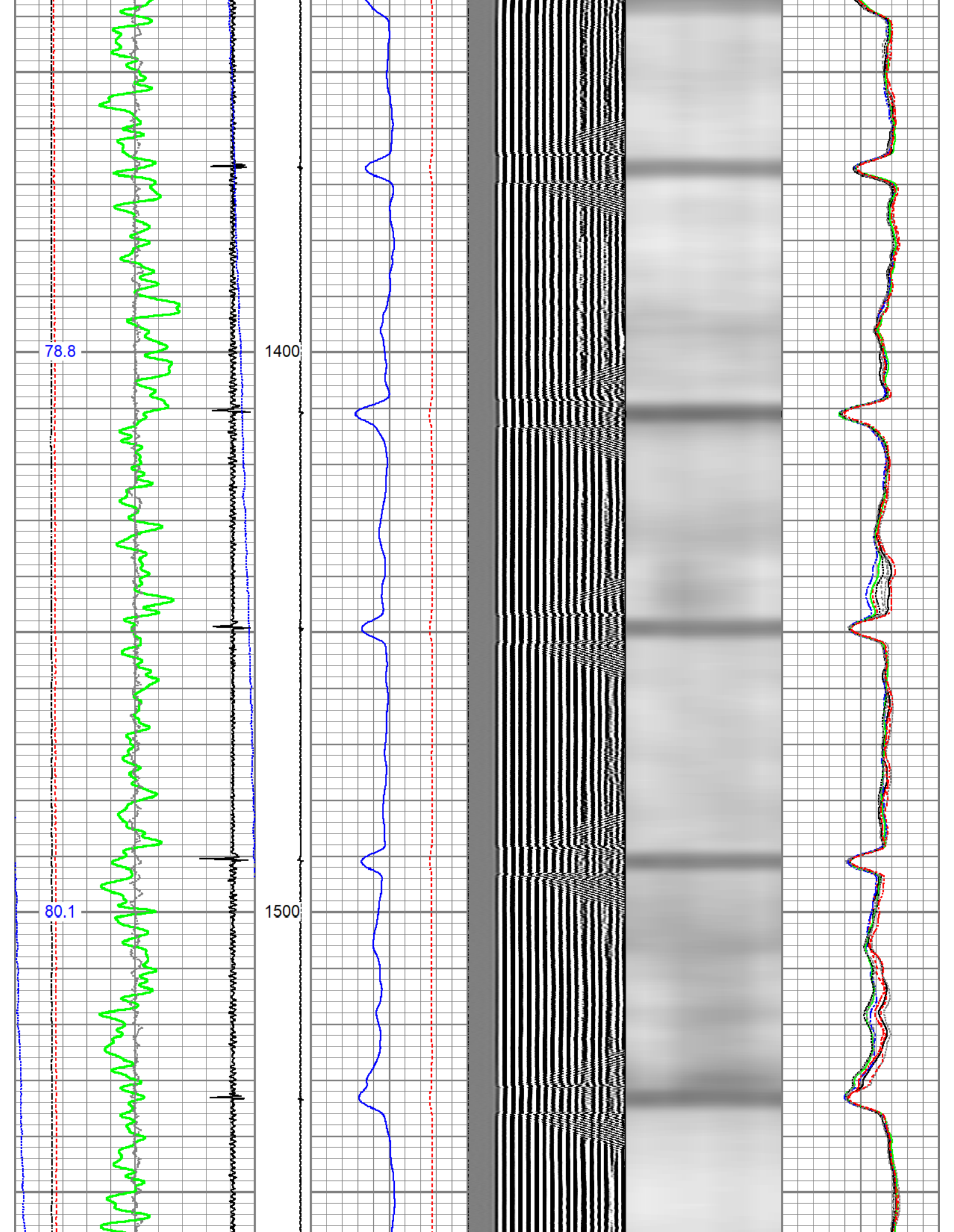
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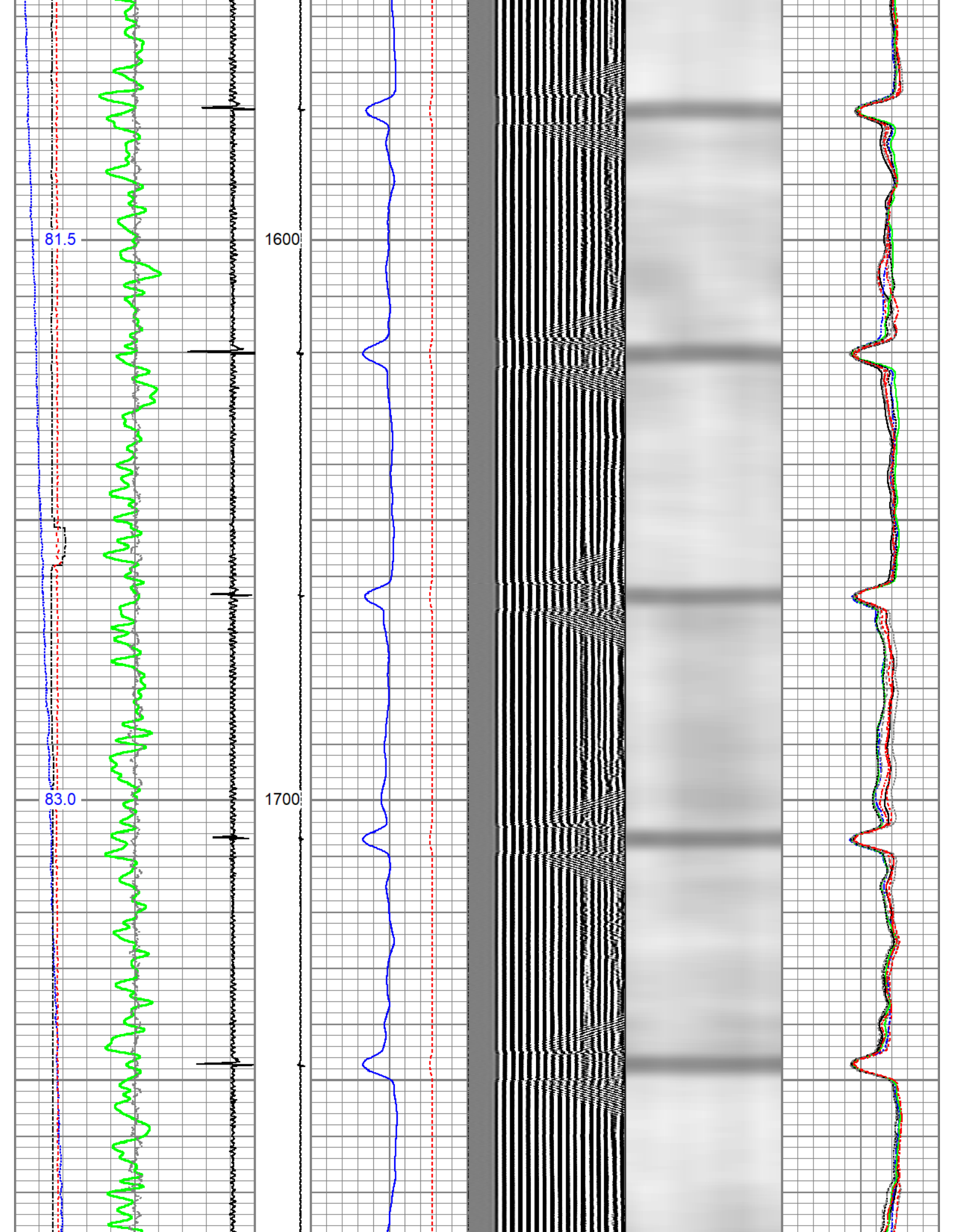
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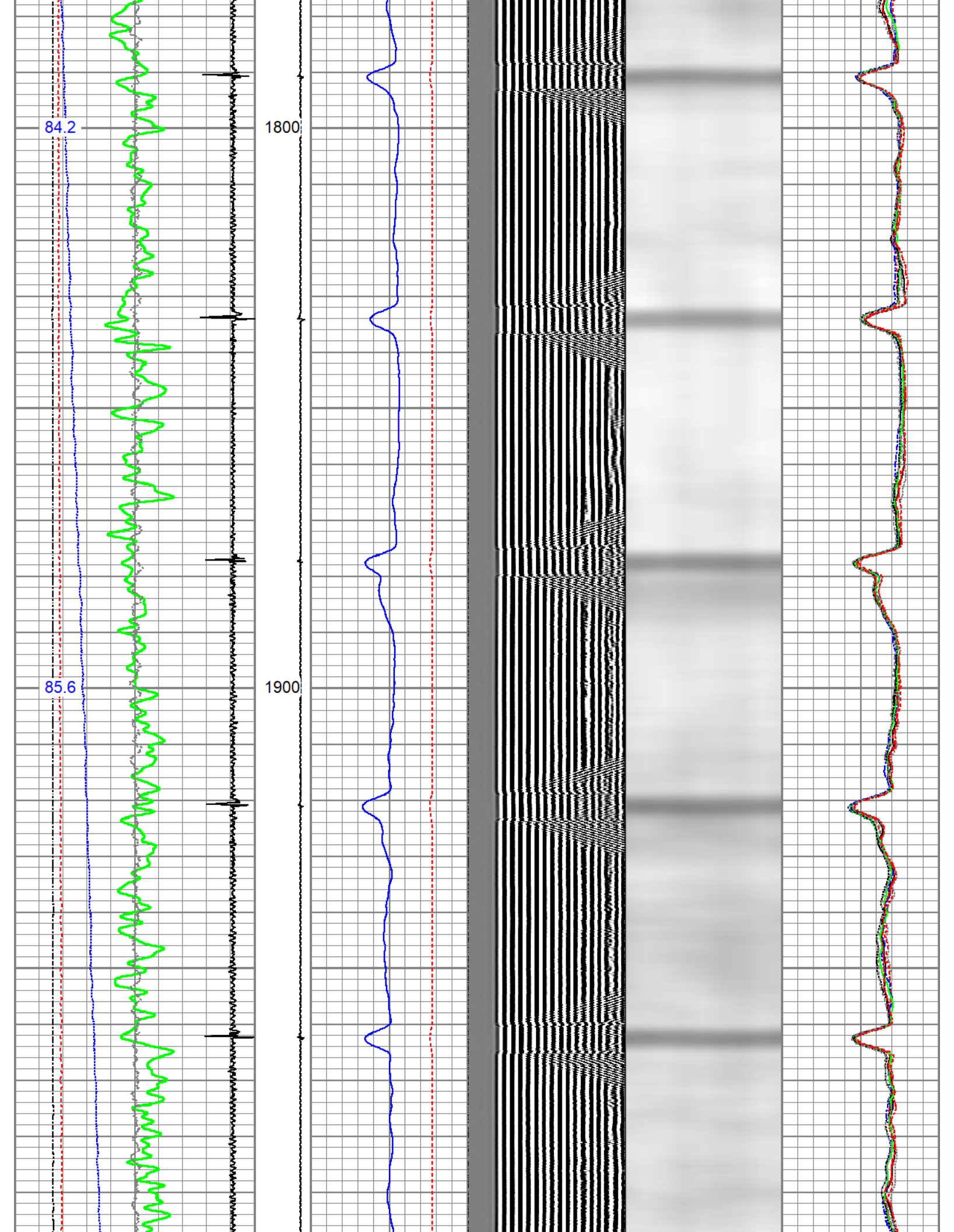
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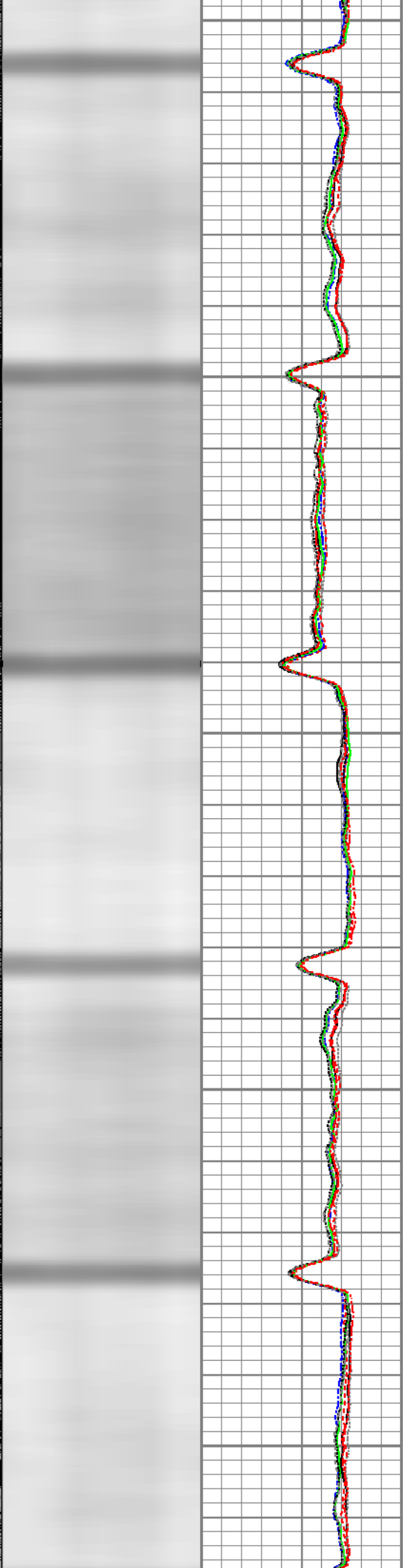
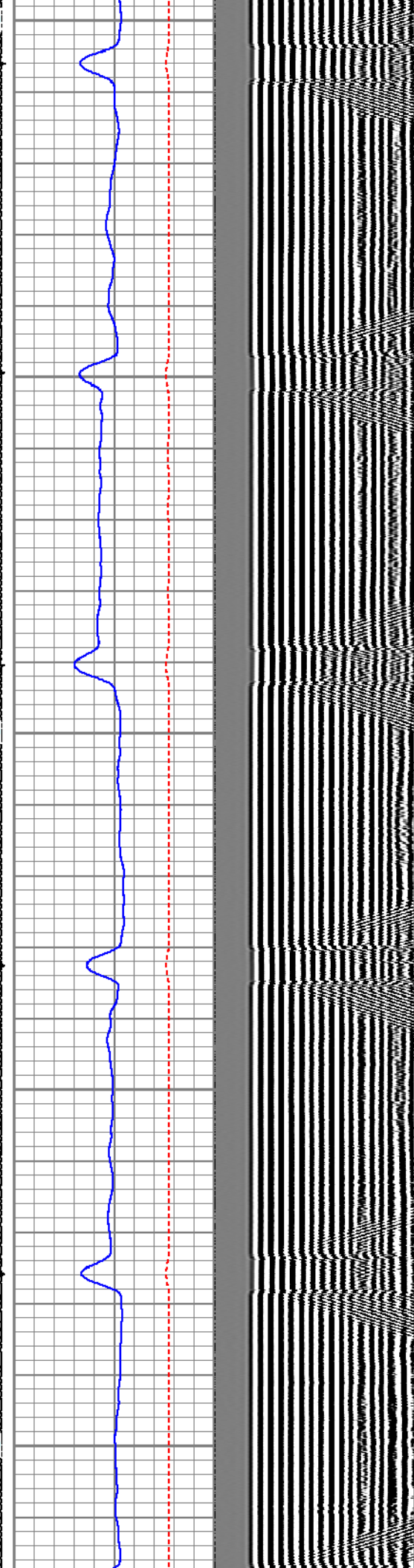
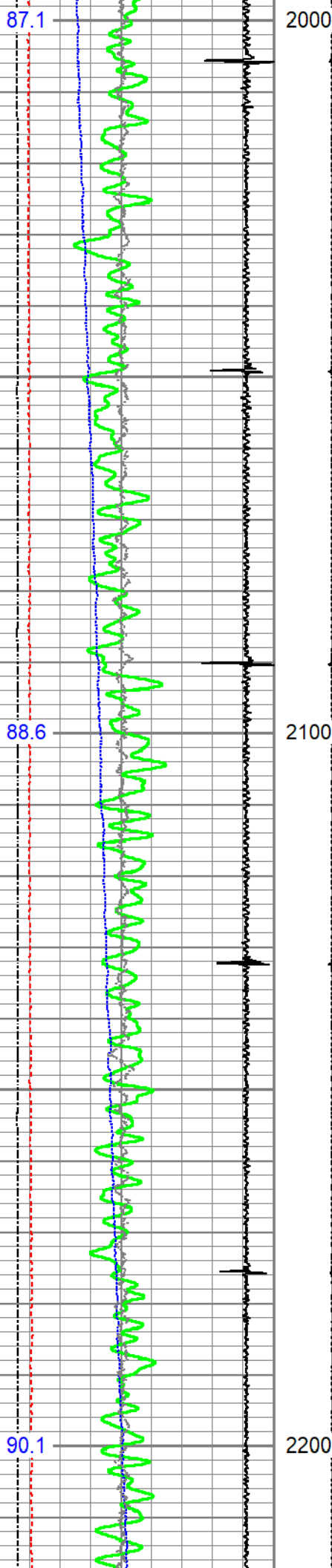


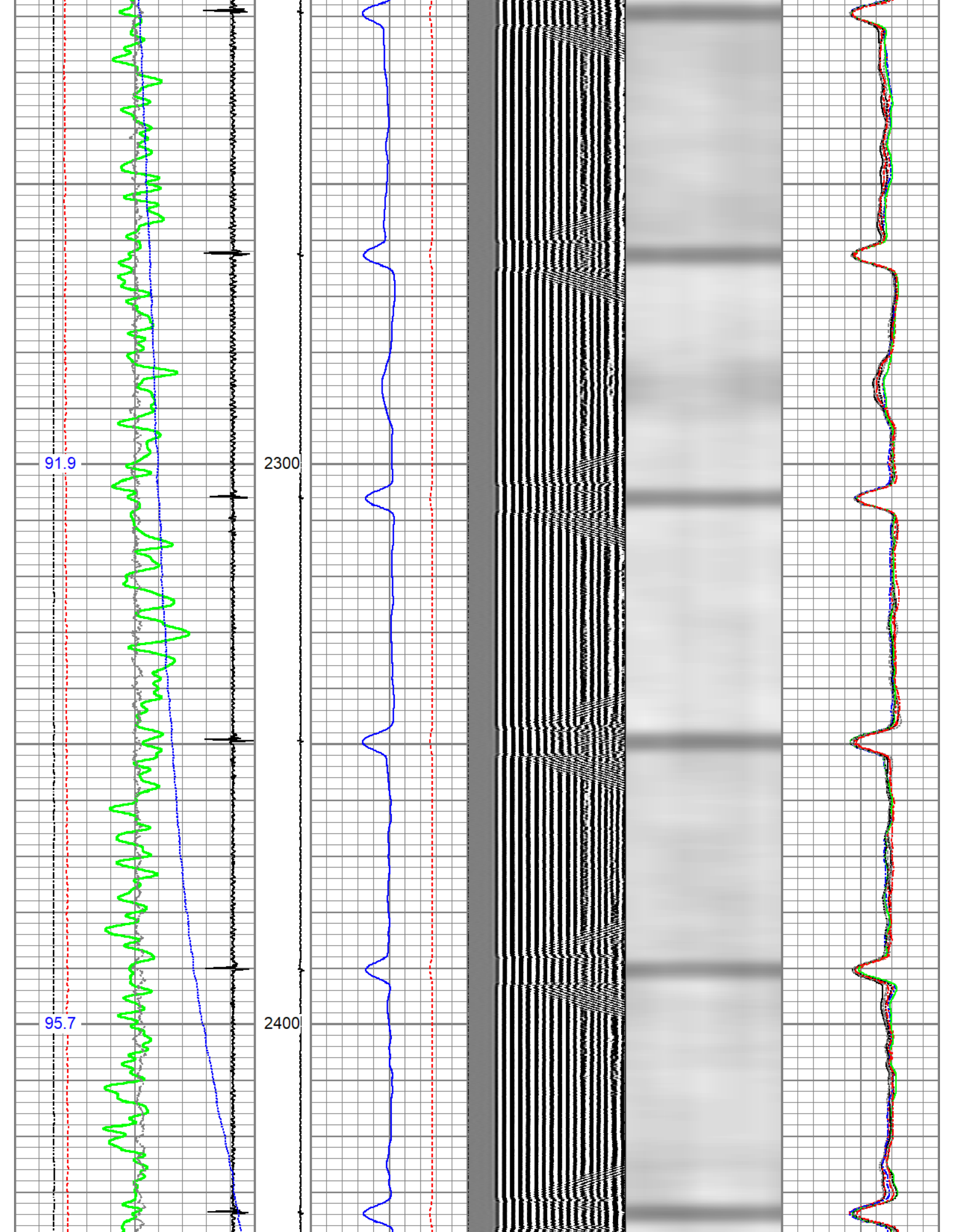


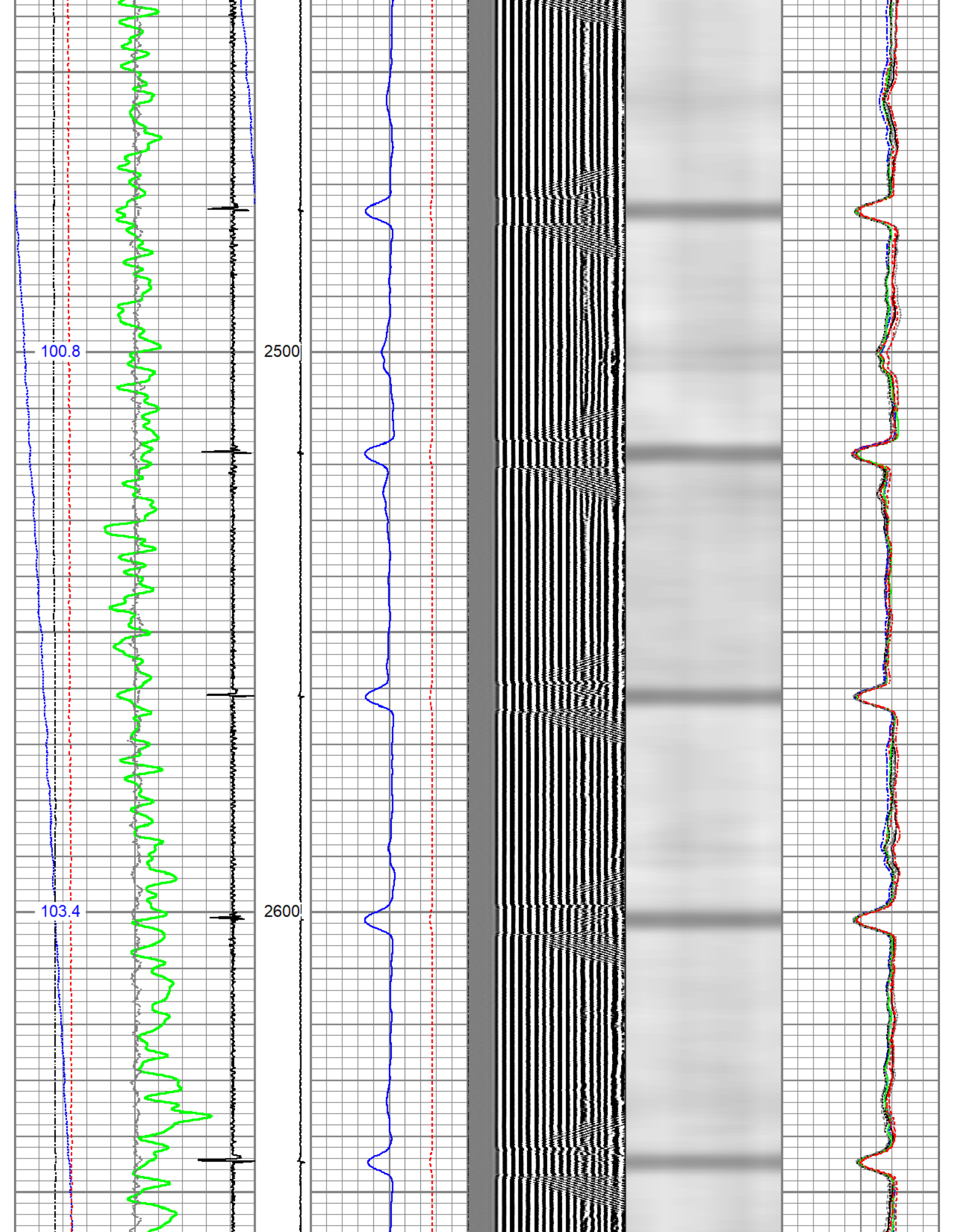


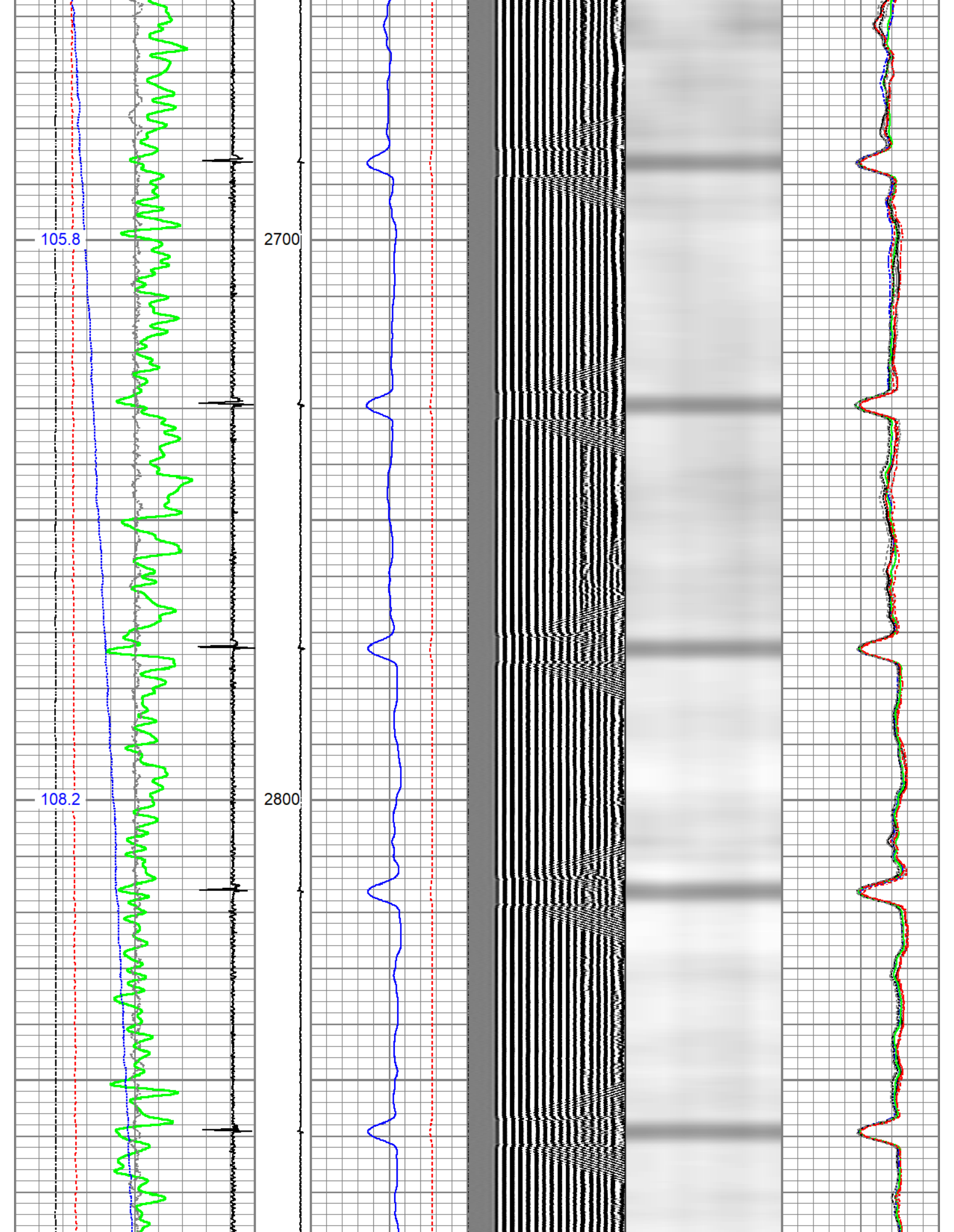


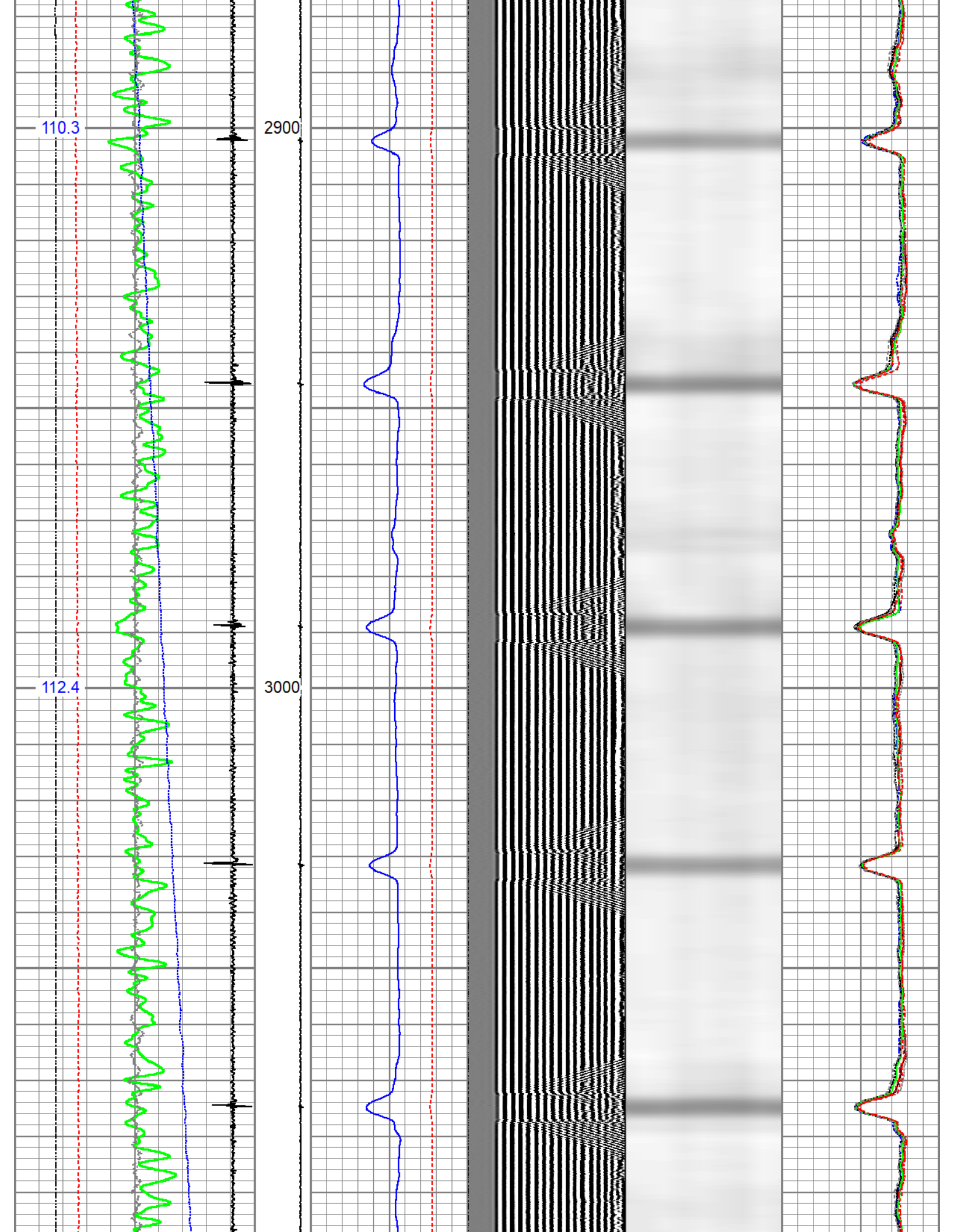


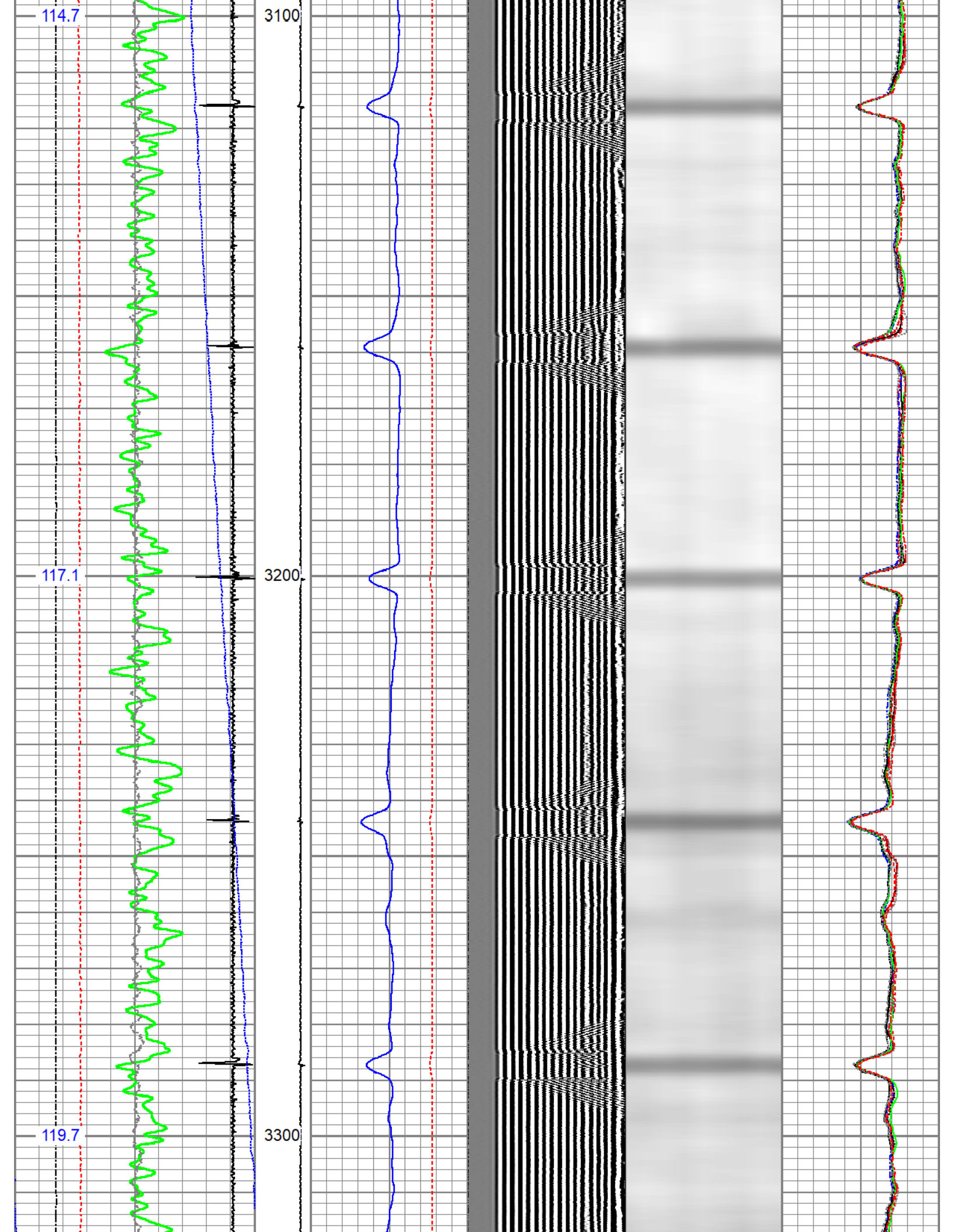


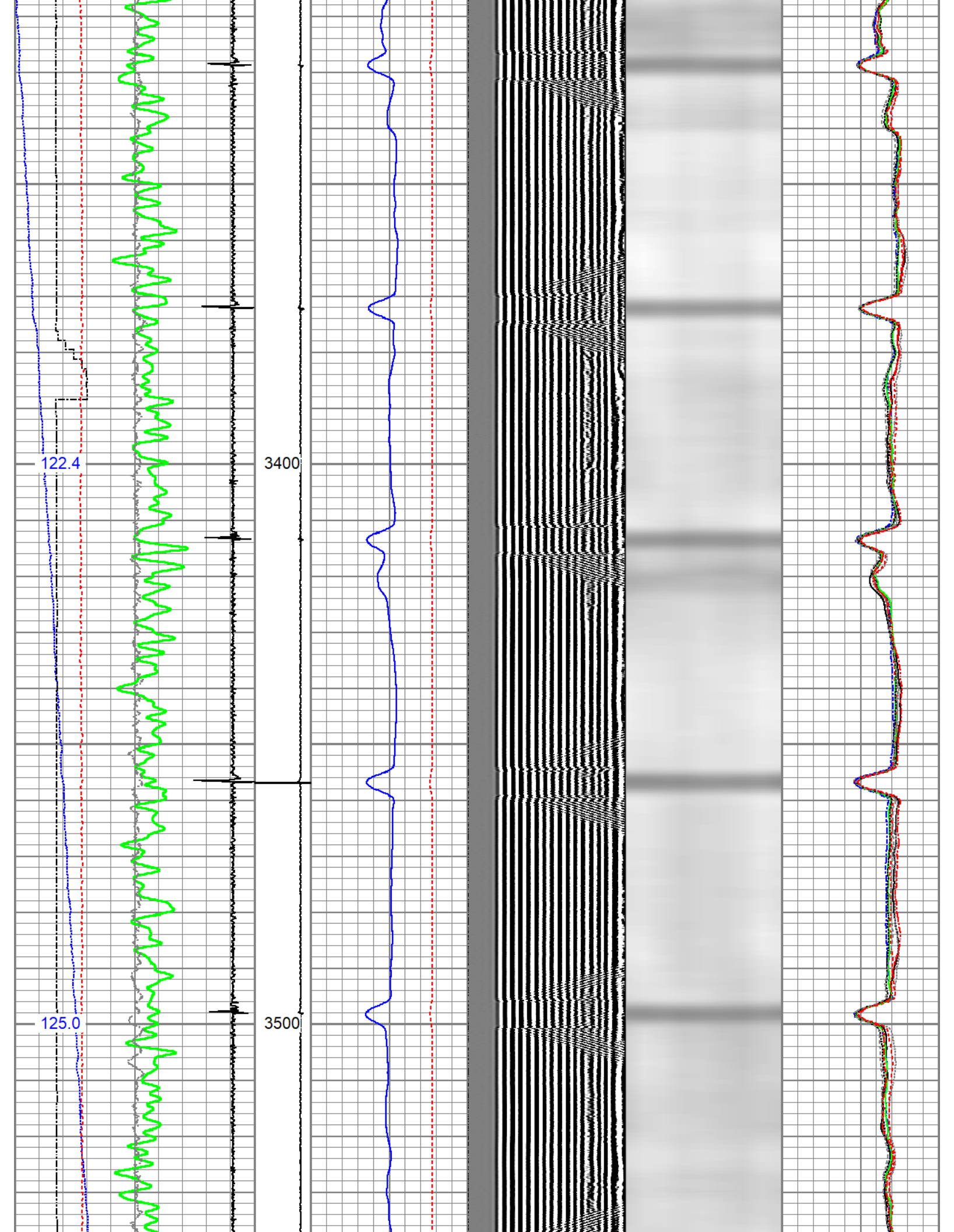


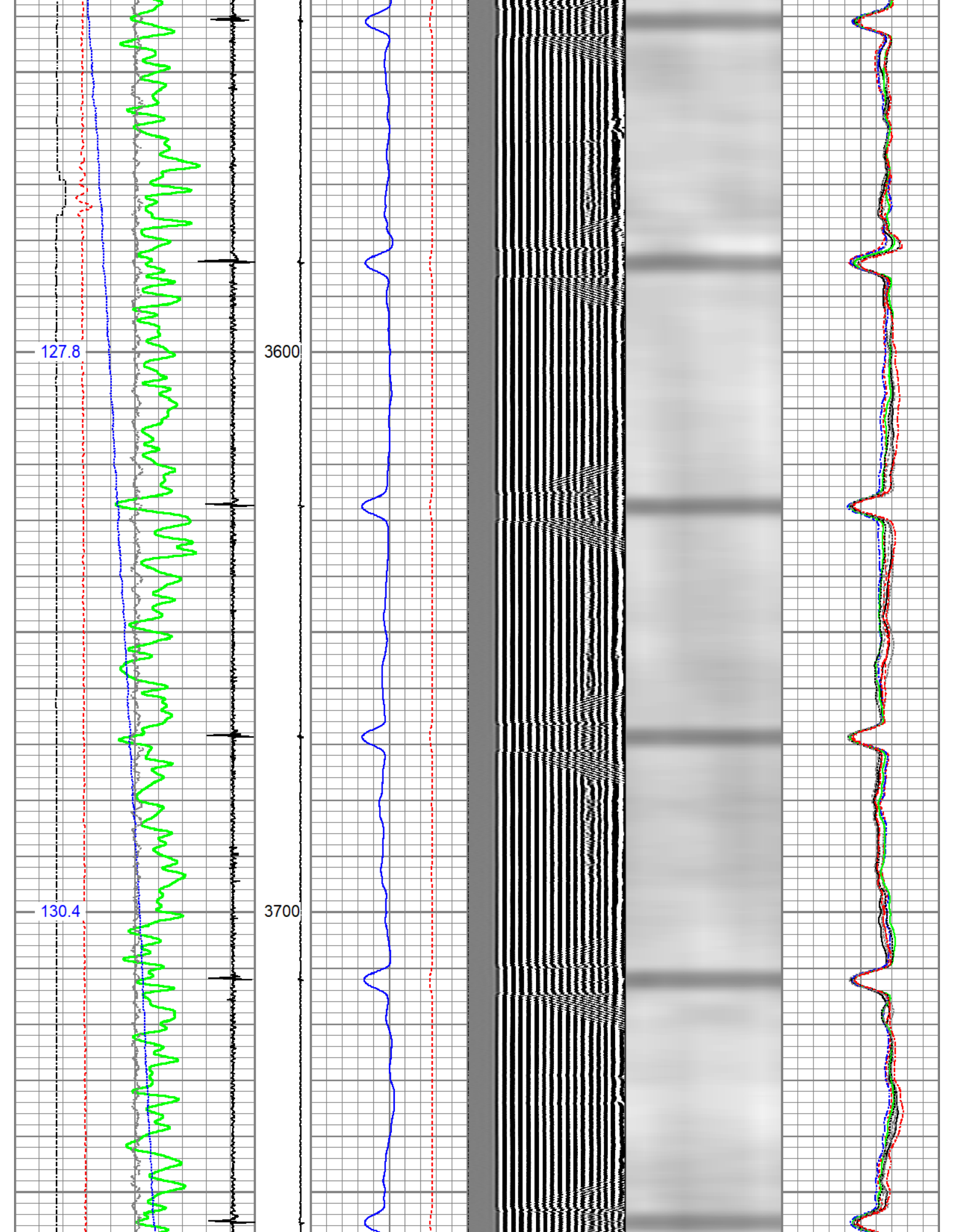


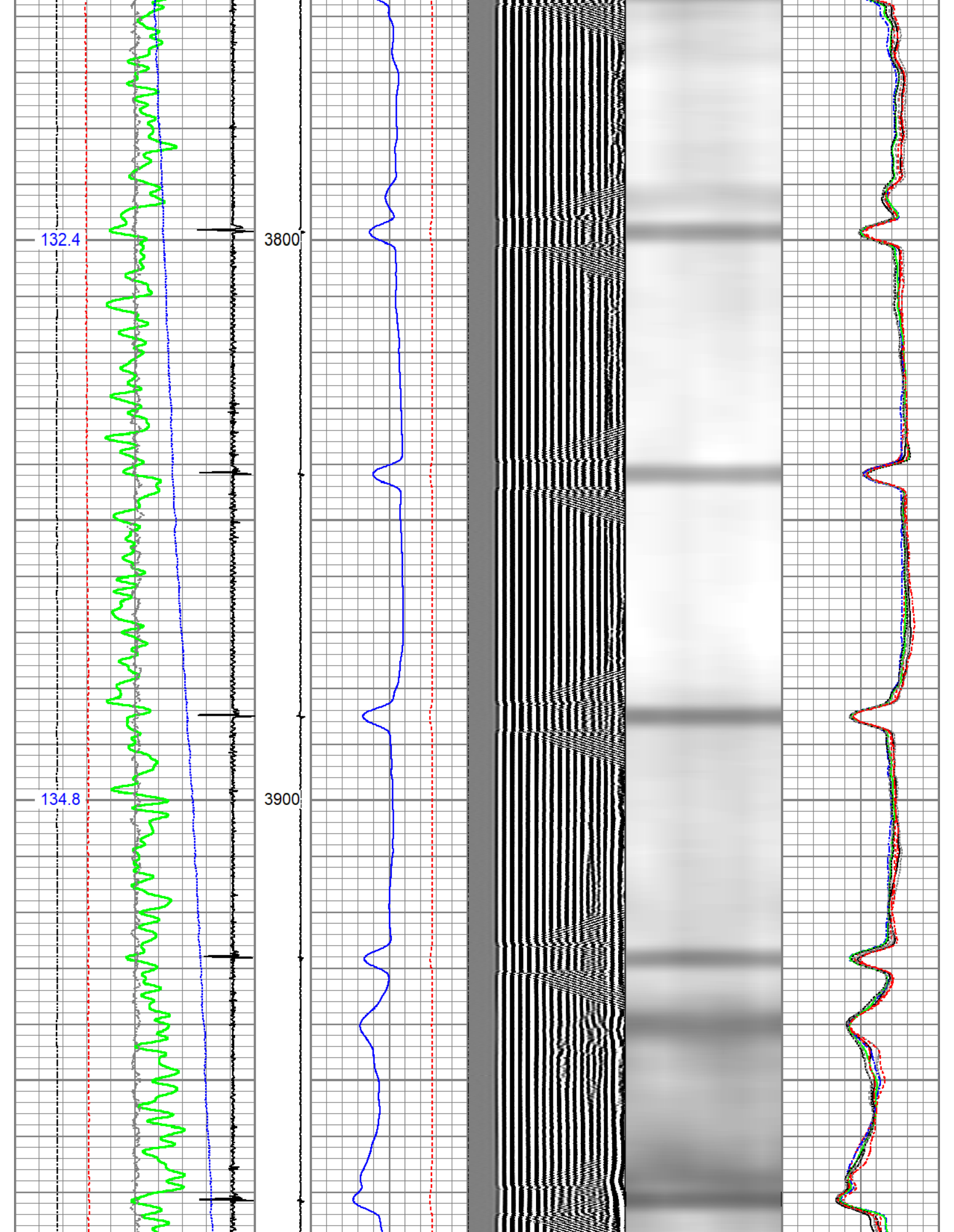


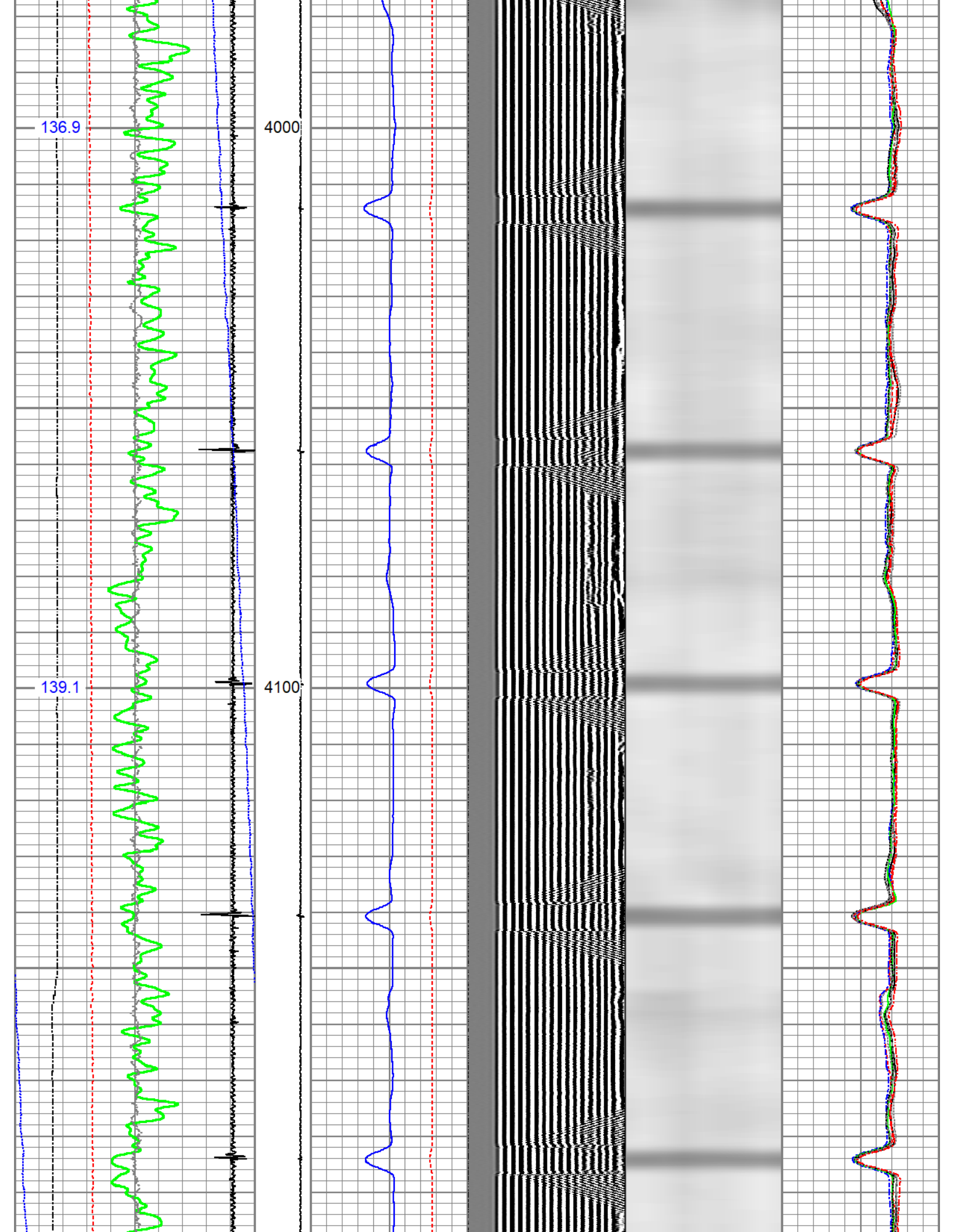


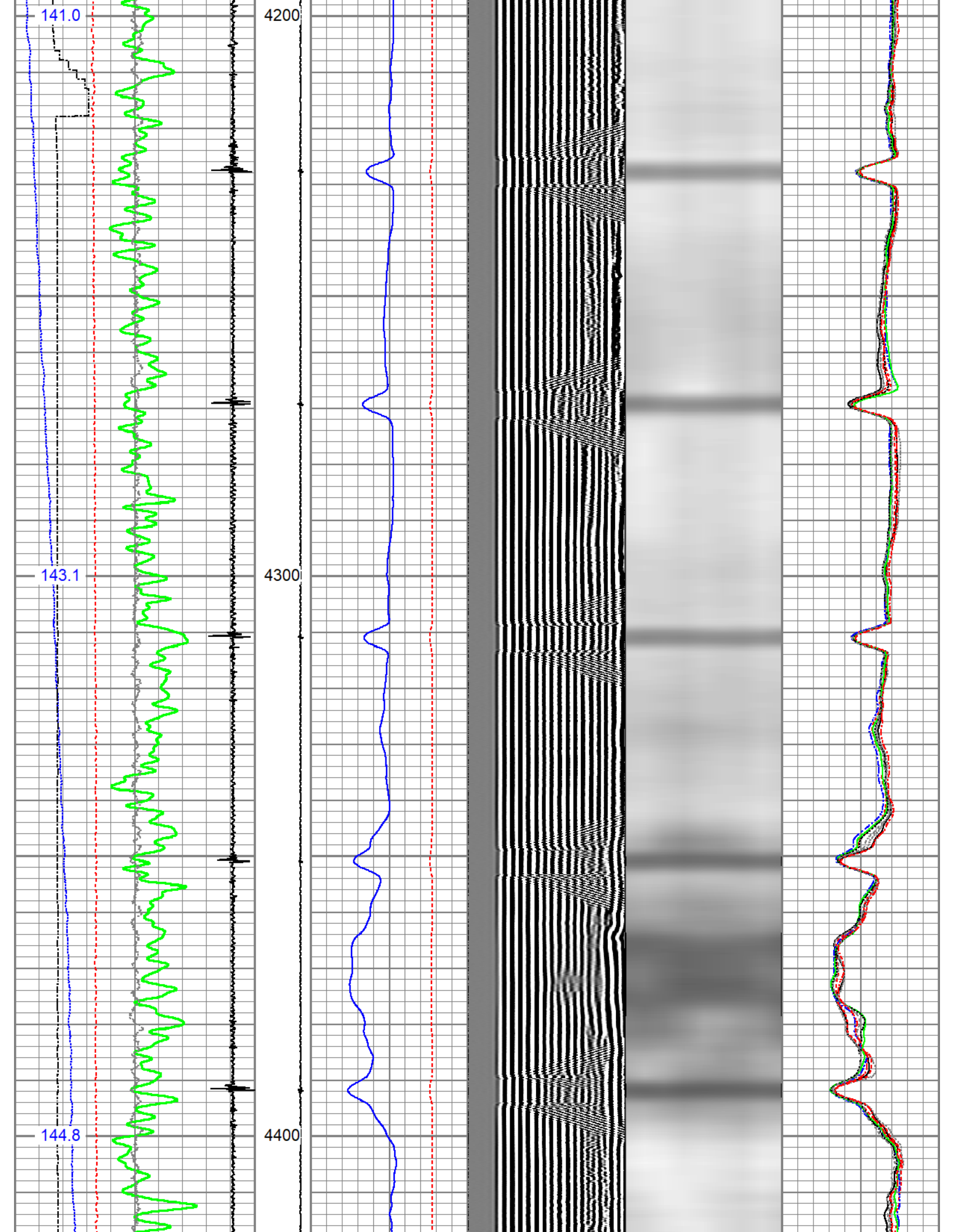


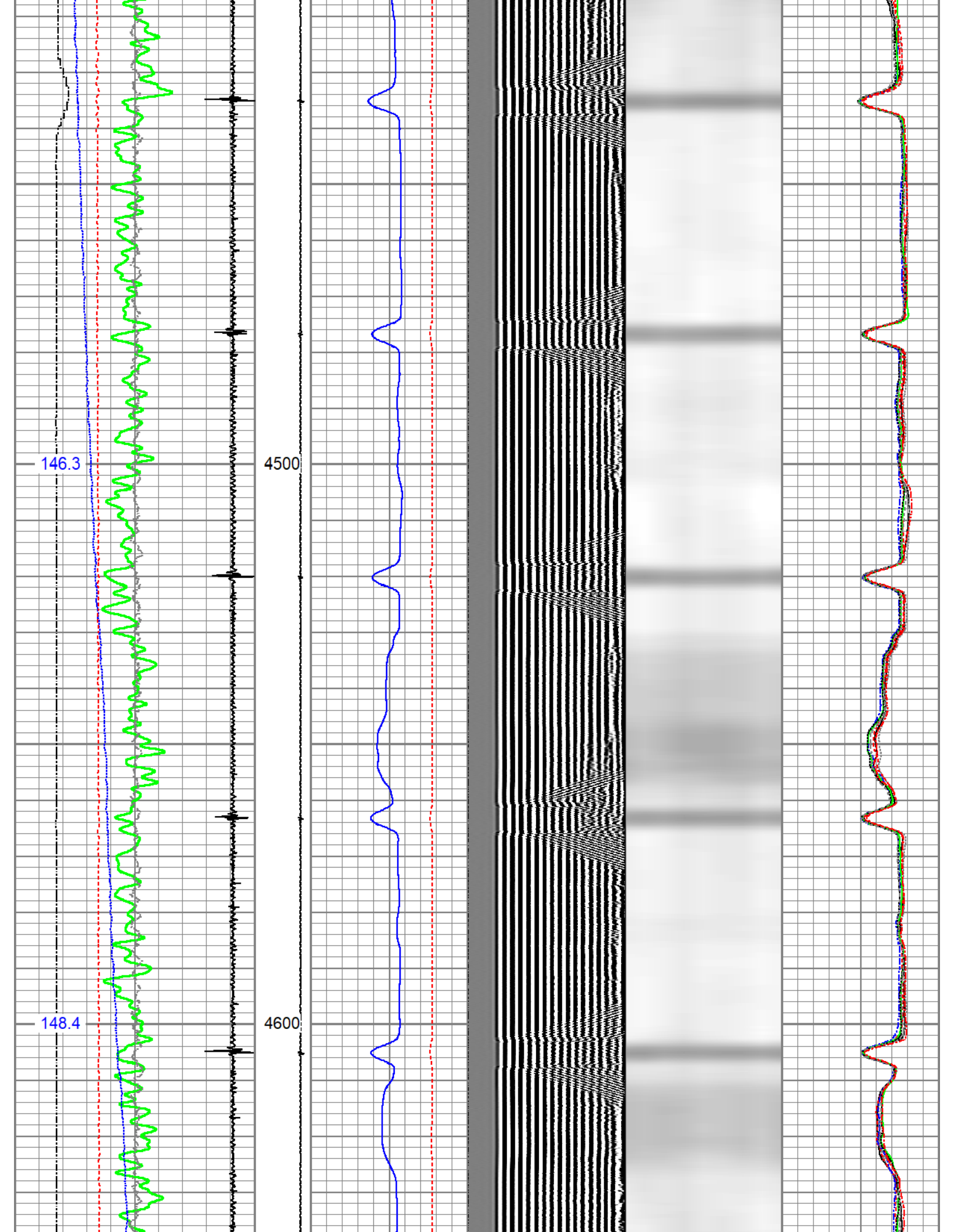


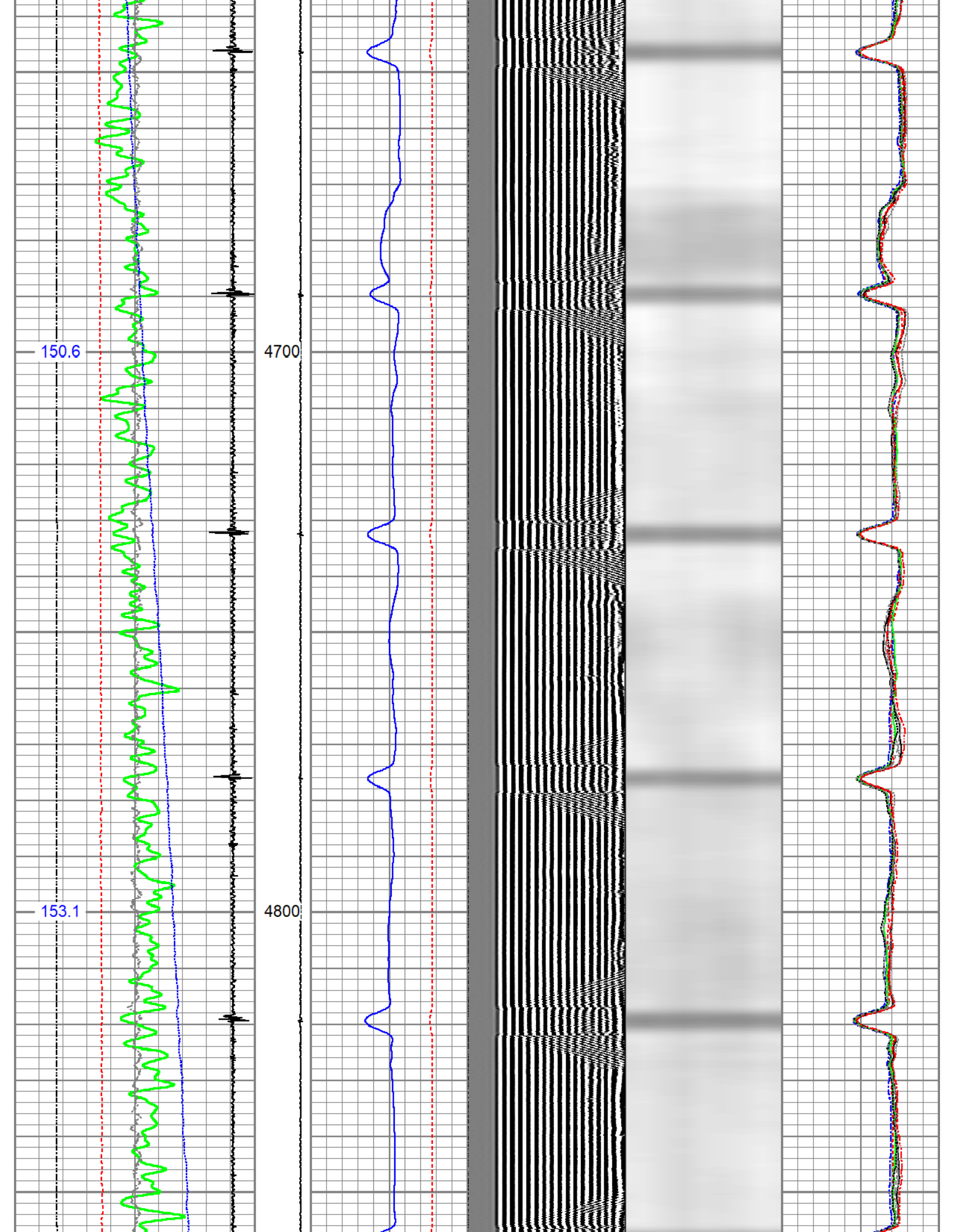


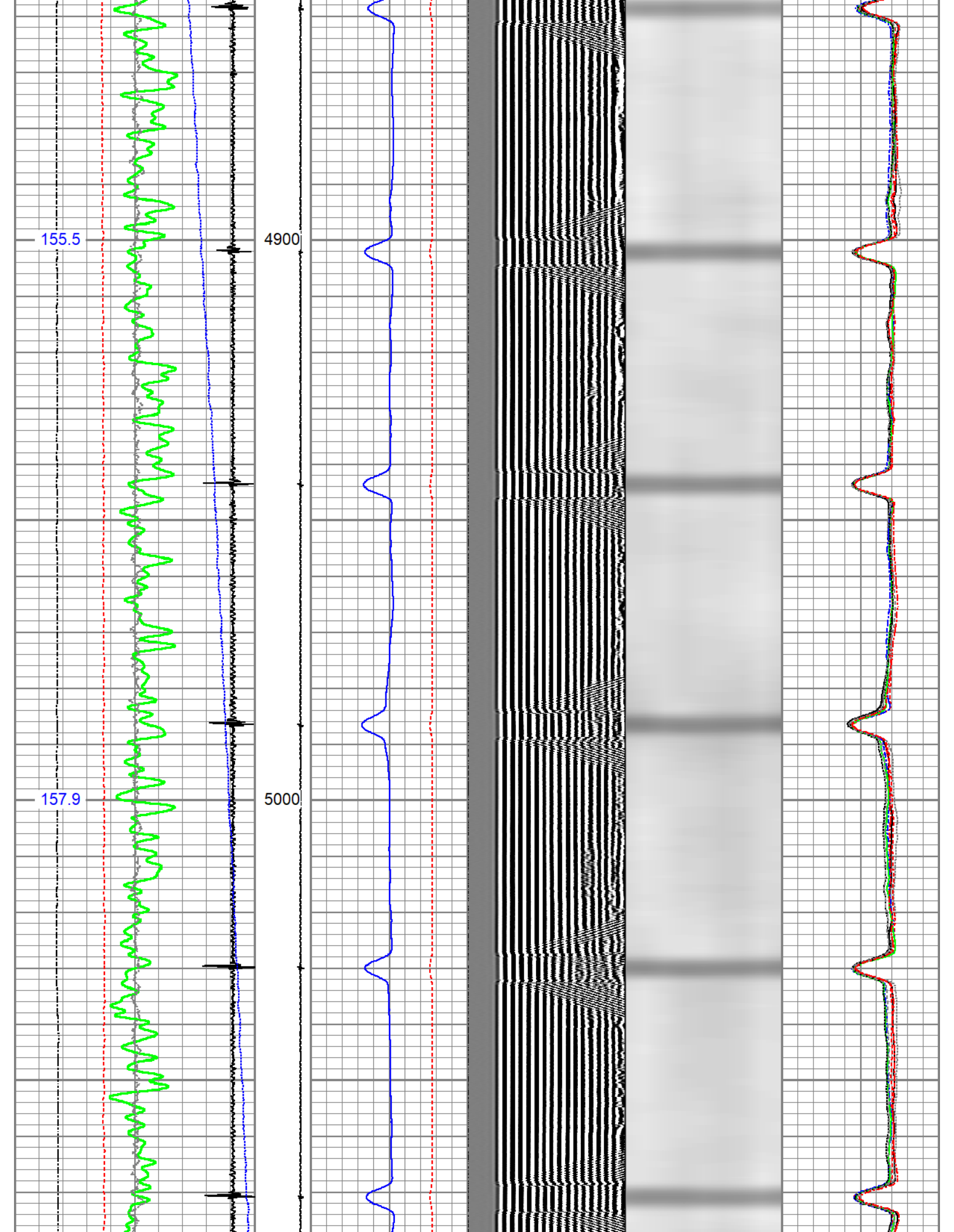


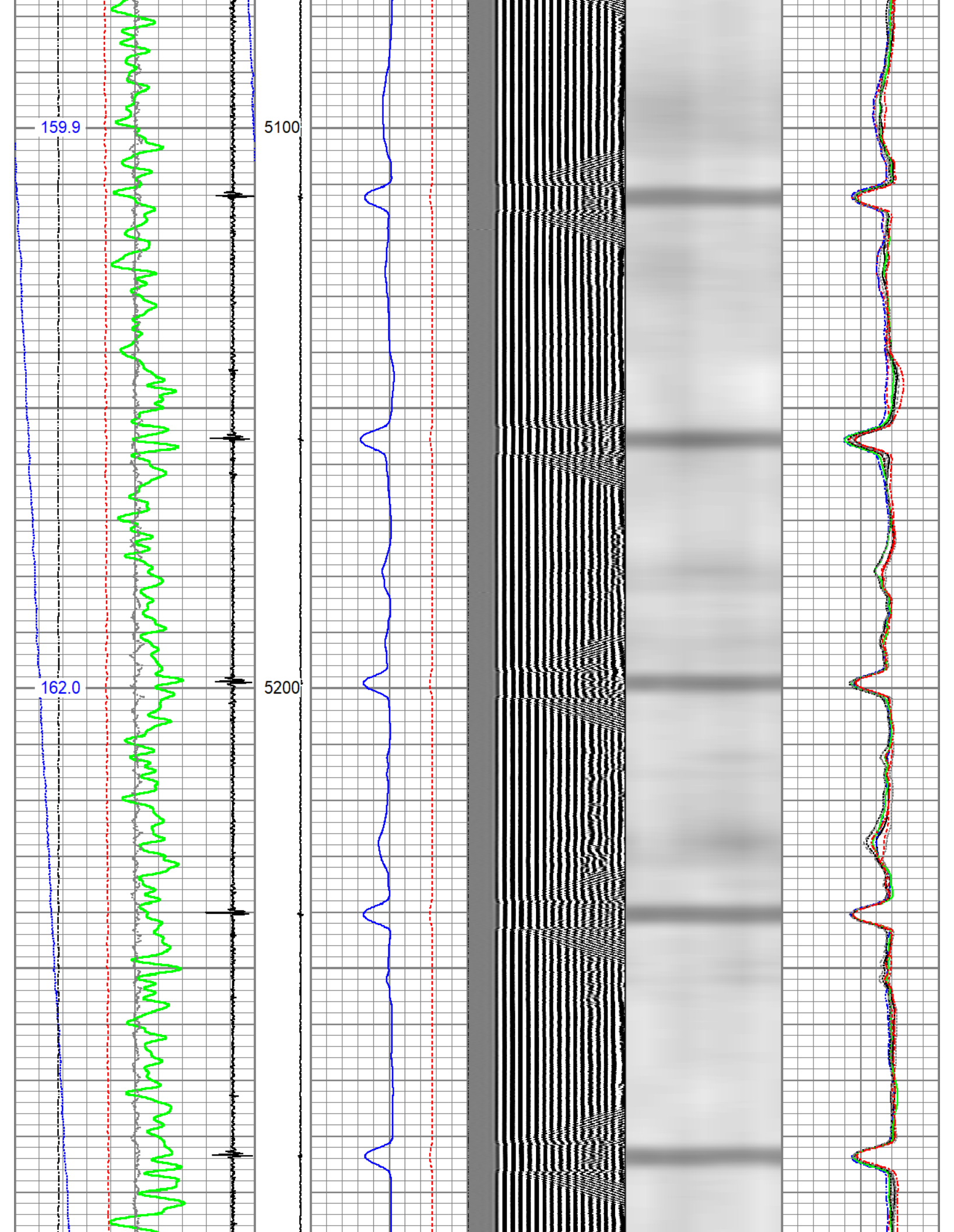


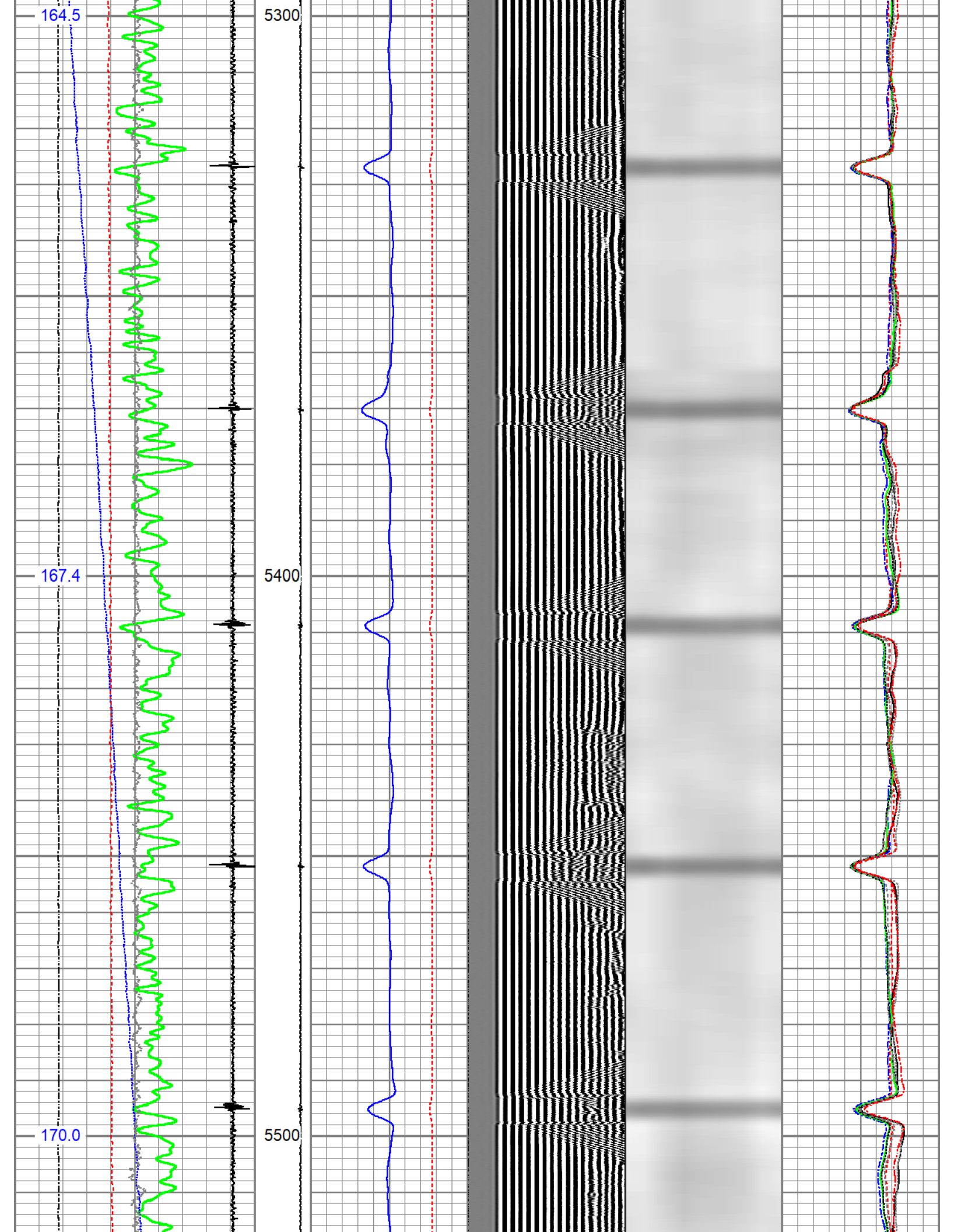


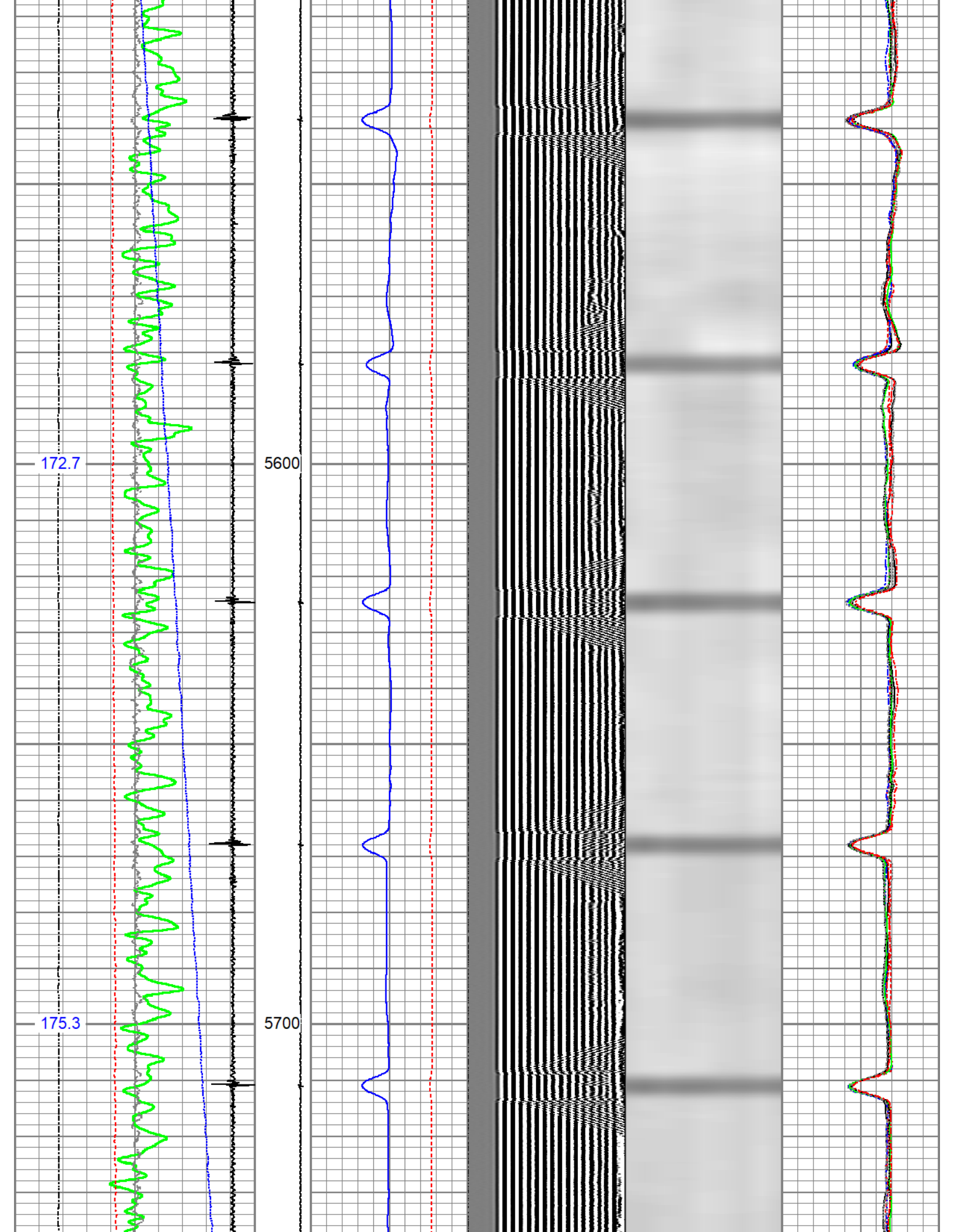


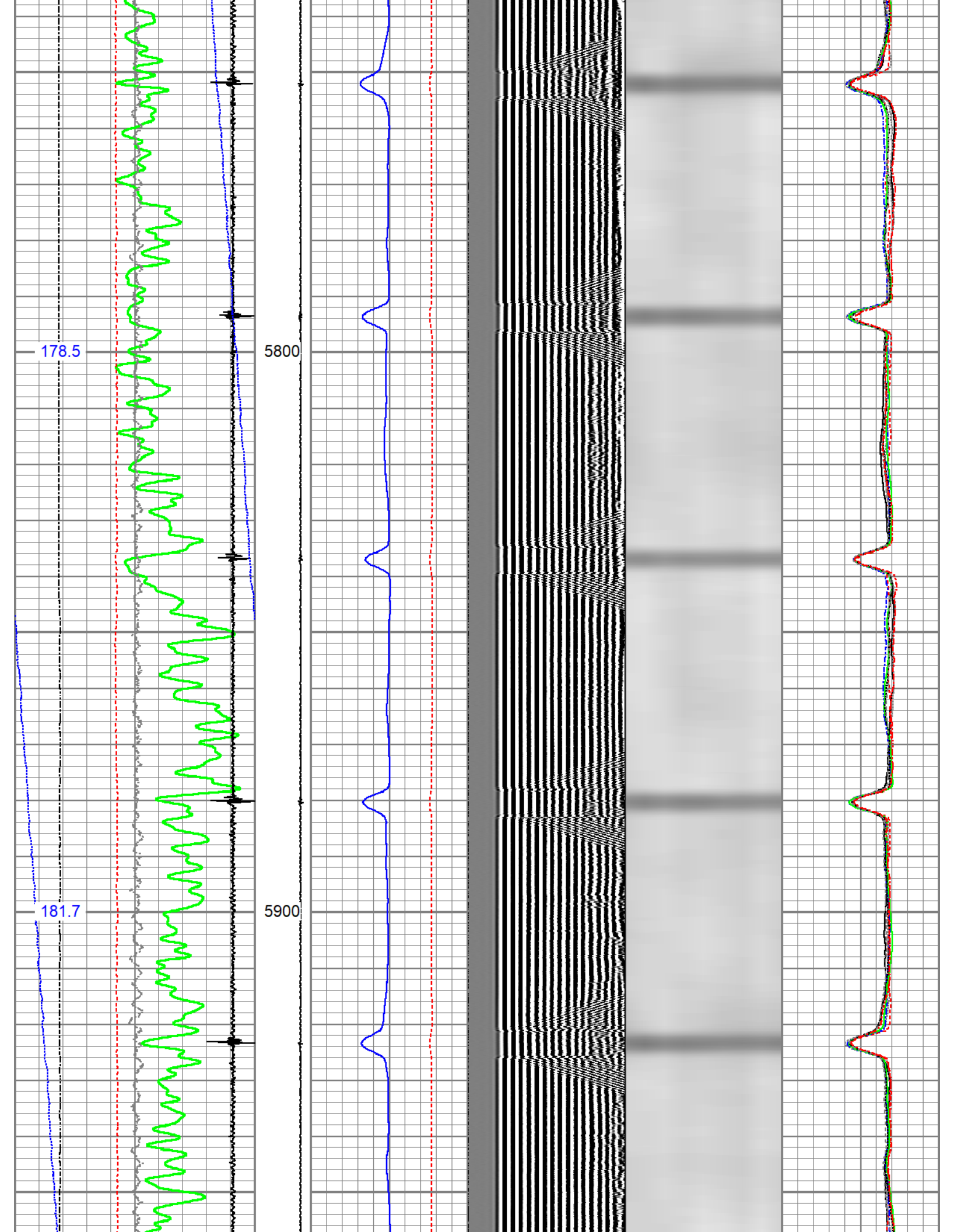


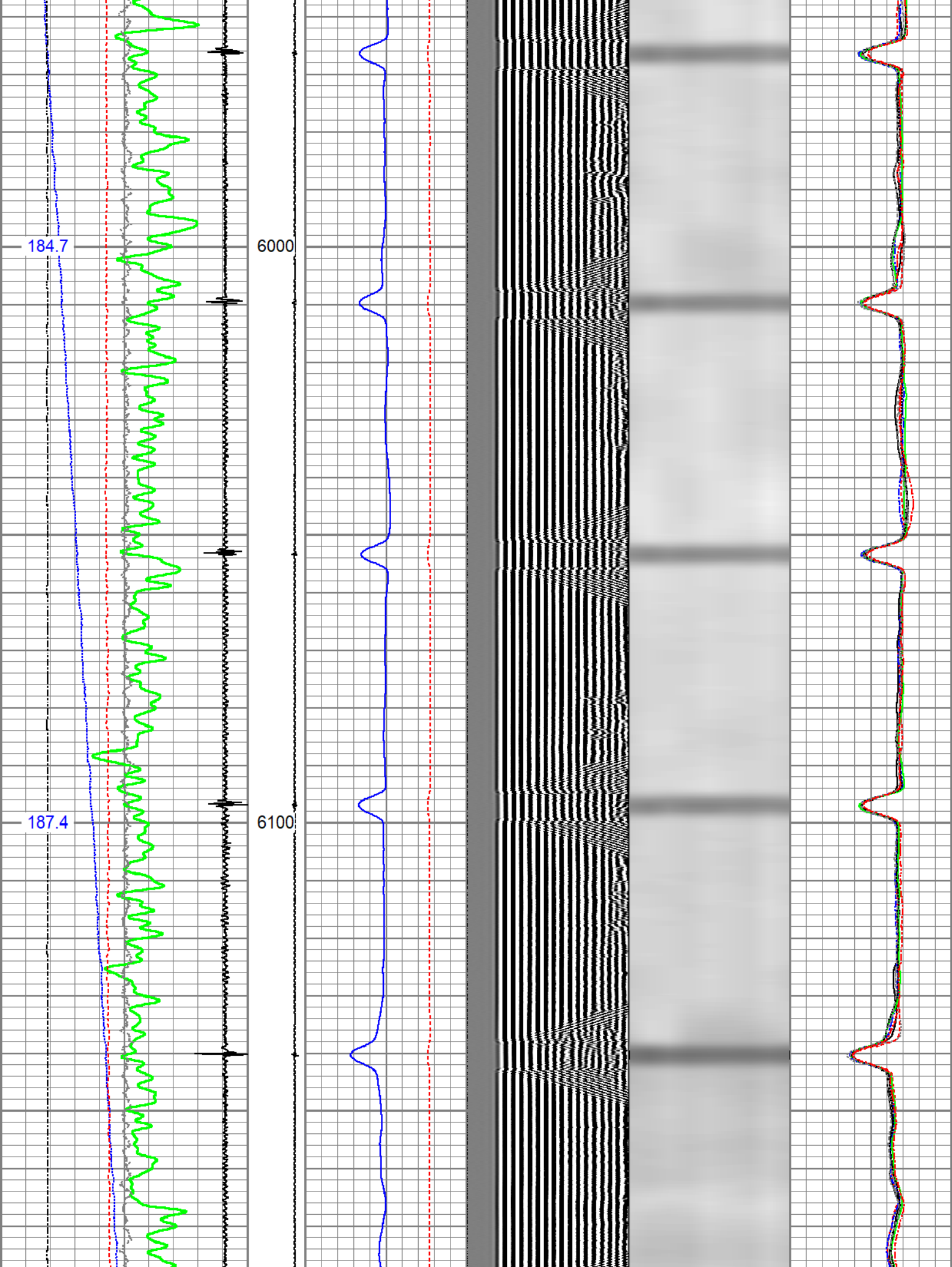


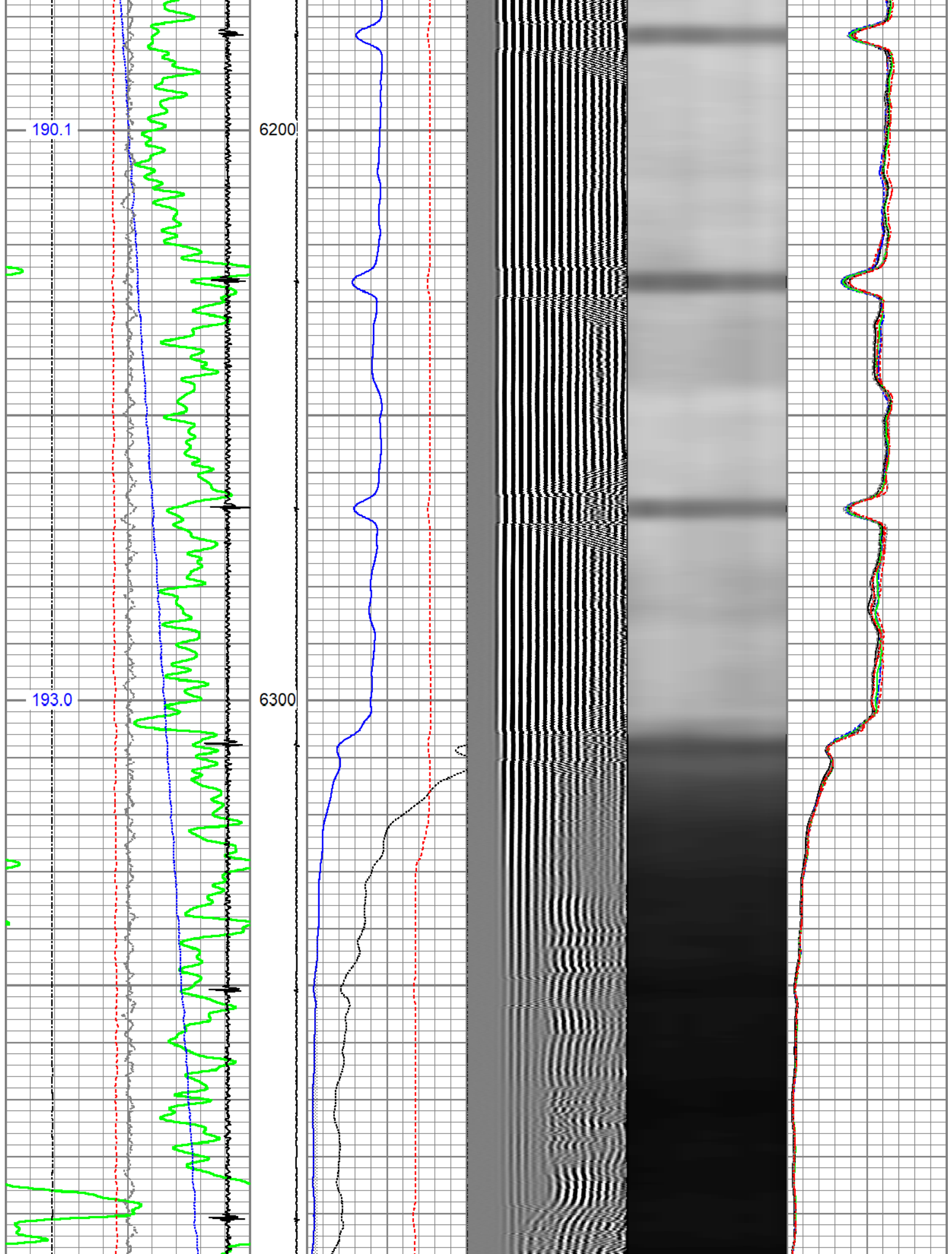


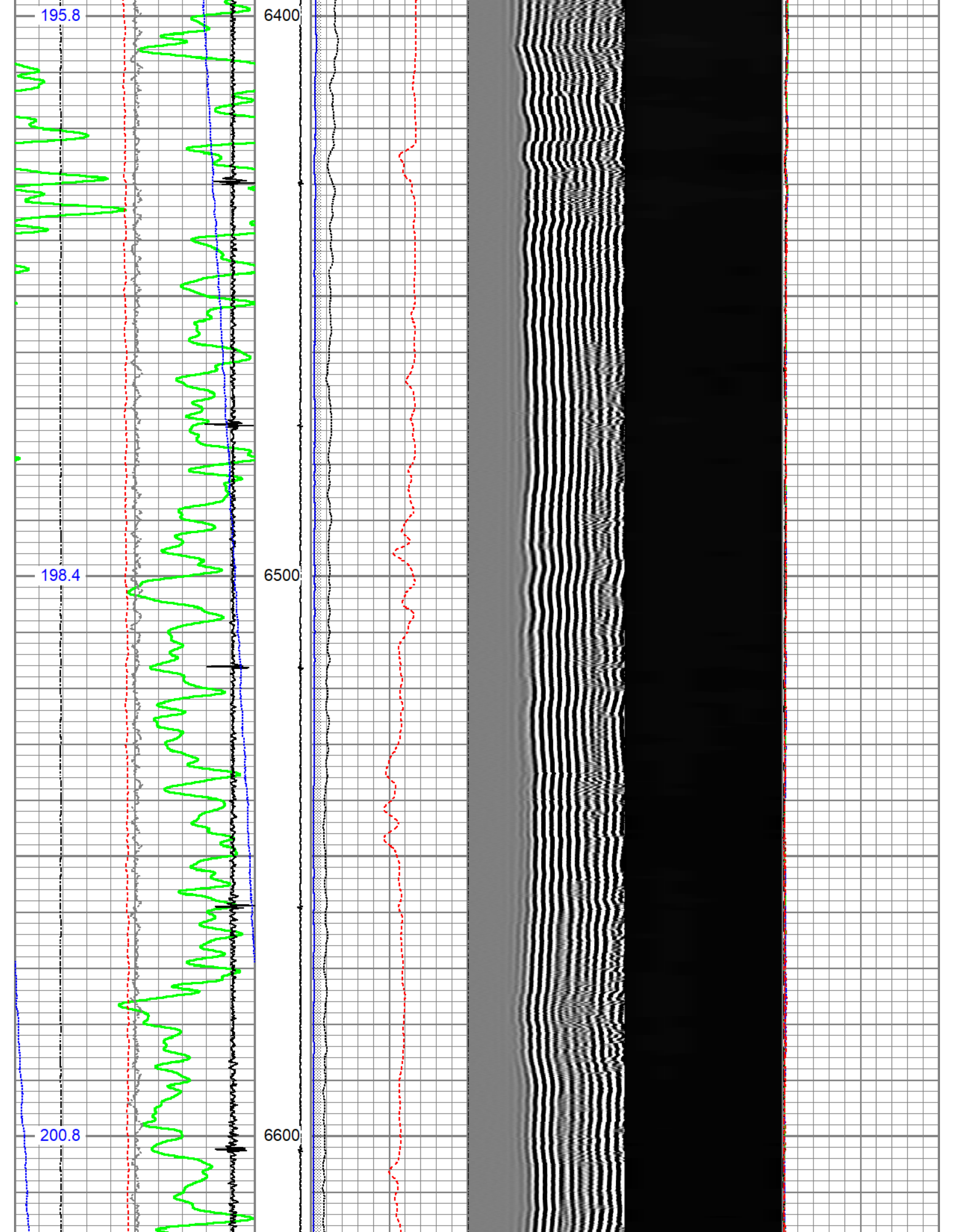


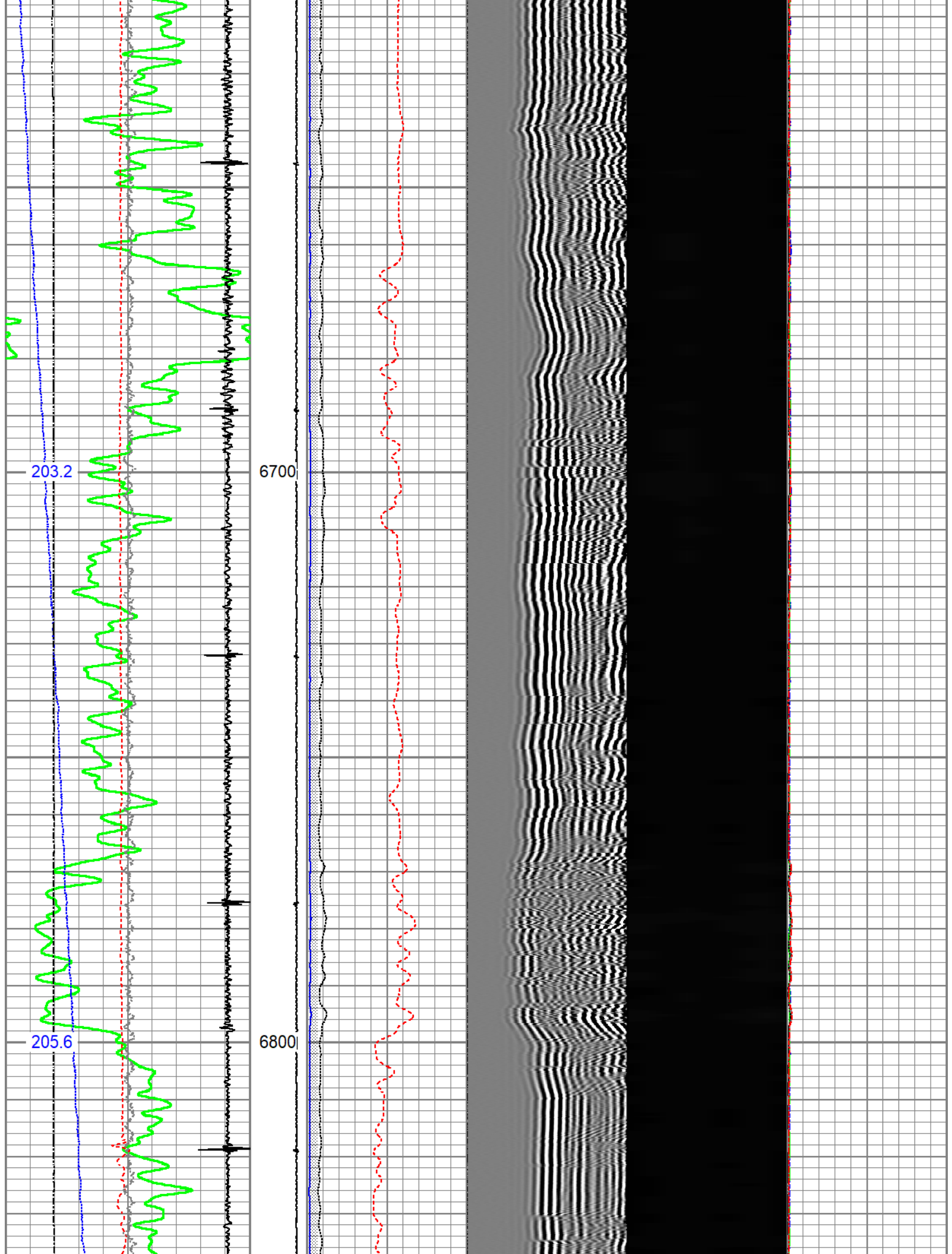


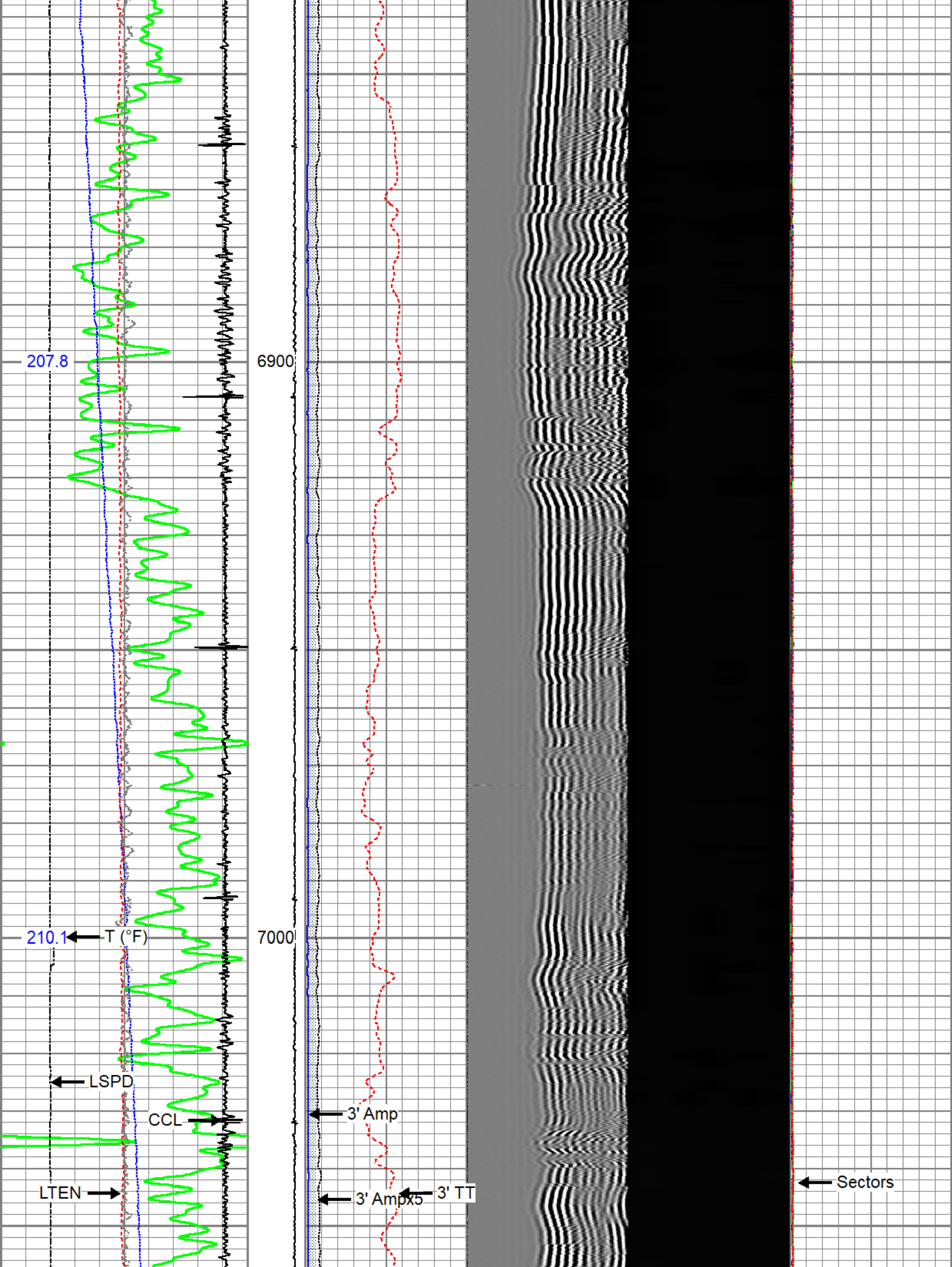


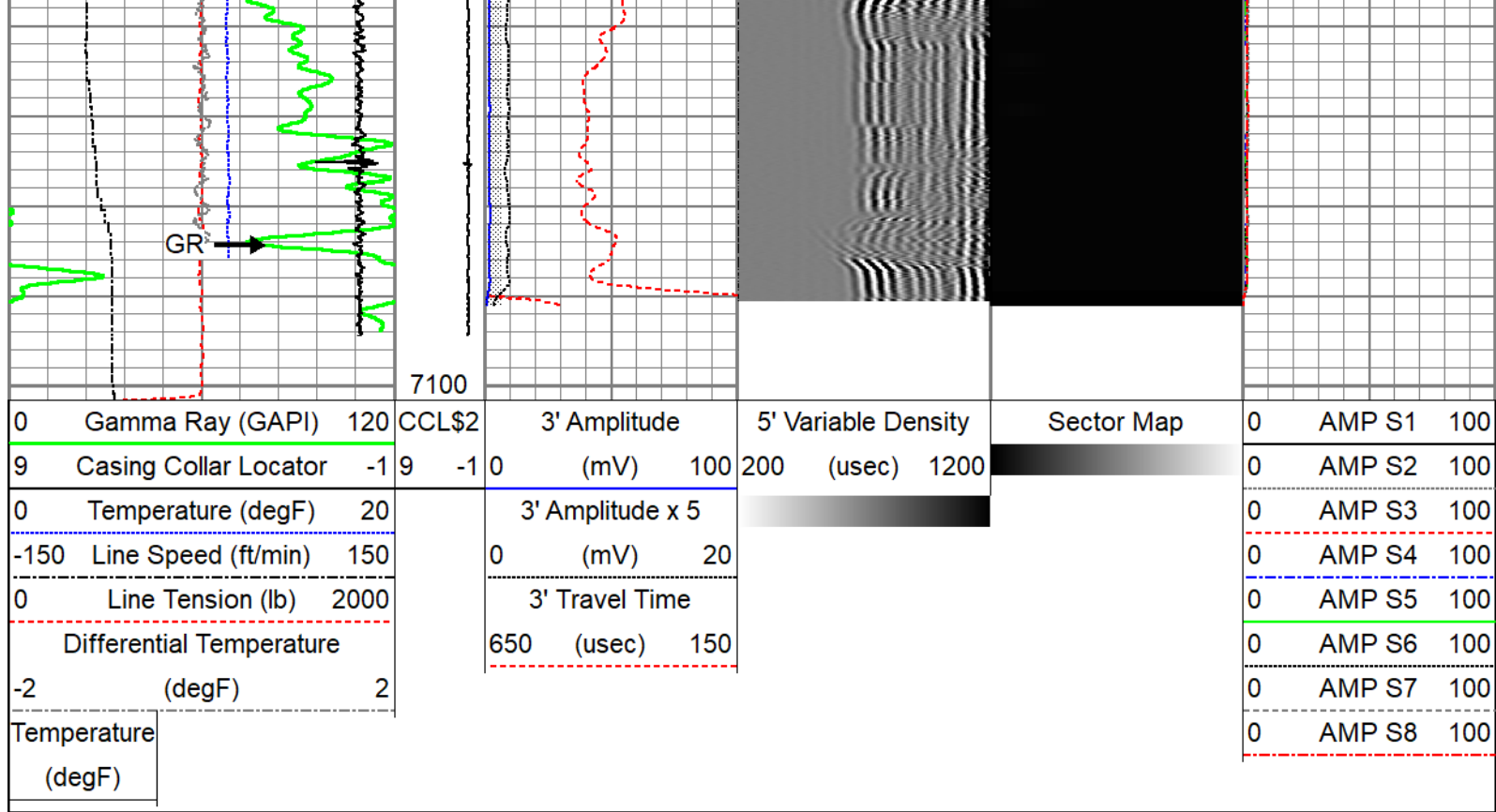












Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ErrCt	20.99		Titan CHD-16875 GO Titan 1-11/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
RBT_HV	17.07		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
TEMP	14.16		Probe Radii ACC-2750 RBTa (FW1302-002) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub and Accelerometer	9.39	2.75	105.00
RBT_ACCZ	11.93					
RBT_ACCY	11.93					
RBT_ACCX	11.93					
WVFSYNC	11.93					
WVFS8	11.93					
WVFS7	11.93					
WVFS6	11.93					
WVFS5	11.93					
WVFS4	11.93					
WVFS3	11.93					

WVFS2	11.93		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
WVFS1	11.93					
WVFCAL	11.93					
WVF3FT	11.93					
WVF5FT	10.93					
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46					
LOCTIM	0.00		Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
UTCTIM	0.00					
Dataset: uprr-amoco 23-1-63.db: field/well/cbl/main_1 Total length: 20.99 ft Total weight: 215.40 lb O.D.: 3.25 in						

Calibration Report	
Database File	uprr-amoco 23-1-63.db
Dataset Pathname	cbl/main_1
Dataset Creation	Thu Jul 27 13:19:34 2023

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:	FW1302-002	
Tool Model:	2750 RBTa	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	3579.139	ft

Master Calibration, performed (Derived):						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.064	0.710	71.921	66.933	0.708
CAL	0.000	1.018				

5'	0.000	1.027	0.710	71.921	69.311	0.707
SUM						
S1	0.000	1.050	0.000	100.000	95.277	-0.005
S2	0.000	1.147	0.000	100.000	87.157	-0.004
S3	0.000	1.239	0.000	100.000	80.718	-0.005
S4	0.000	1.209	0.000	100.000	82.718	-0.004
S5	0.000	1.117	0.000	100.000	89.562	-0.003
S6	0.000	1.074	0.000	100.000	93.074	-0.002
S7	0.000	1.044	0.000	100.000	95.824	-0.005
S8	0.000	1.001	0.000	100.000	99.911	-0.005

Air Zero Calibration, performed Thu Jul 27 11:17:13 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:	Mon Oct 19 14:19:51 2020				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-891.00	891.00	-1.00	1.00	gee
Y Accelerometer	-899.00	877.00	-1.00	1.00	gee
Z Accelerometer	-7.47	873.36	0.00	1.00	gee

Temperature Calibration Report

Serial Number:	FW1302-002	
Tool Model:	2750 RBTa	
Performed:	Mon Oct 19 14:19:51 2020	
	Reference	Reading
Low Reference:	100.00 degF	110.72 degF
High Reference:	350.00 degF	409.18 degF
Gain:	0.84	
Offset:	7.26	
Delta Spacing	1	



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