



**RADIAL CEMENT BOND W/
VARIABLE DENSITY
GAMMA RAY, CCL, TEMP LOG**

Company	CHEVRON	Country	USA
Well	GUTTERSEN CC 32-775		
Field	WATTENBERG		
County	WELD		
State	COLORADO	Country	USA
Location:	API # : 05-123-49268		Other Services
SEC 29 TWP 4N RGE 63W		Elevation	
Permanent Datum	GL	Elevation	4762'
Log Measured From	KB		
Drilling Measured From	KB		
NESW			

Date	JUNE-20-2022	Run Number	ONE		
Depth Driller	14537'				
Depth Logger	6986'				
Bottom Logged Interval	6957'				
Top Log Interval	SURFACE				
Open Hole Size	8.50"				
Type Fluid	WATER				
Density / Viscosity	-				
Max. Recorded Temp.	231				
Estimated Cement Top	See Log				
Time Well Ready	1315				
Time Logger on Bottom	1354				
Equipment Number	80				
Location	PLATTEVILLE				
Recorded By	M. STEINMAN		K. GIRDLER		
Witnessed By	O. FABELA				
Borehole Record		Tubing Record			
Run Number	Bit	From	To	Size	Weight
					From
					To
Casing Record	Size	Wgt/Ft	Top	Bottom	
Surface String	9-5/8"	36#	SURFACE	1954'	
Prod. String					
Production String	5-1/2"	17#	SURFACE	14525'	
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

TOOLS RAN AS PER TOOLSTRING DIAGRAM
TOLLSTRING CENTRALIZED VIA 3 X GEMCO CENTRALIZERS
LOG CORRELATED TO MARKER JOINT @ 6069'-6079'

THANK YOU FOR CHOOSING KLX ENERGY SERVICES

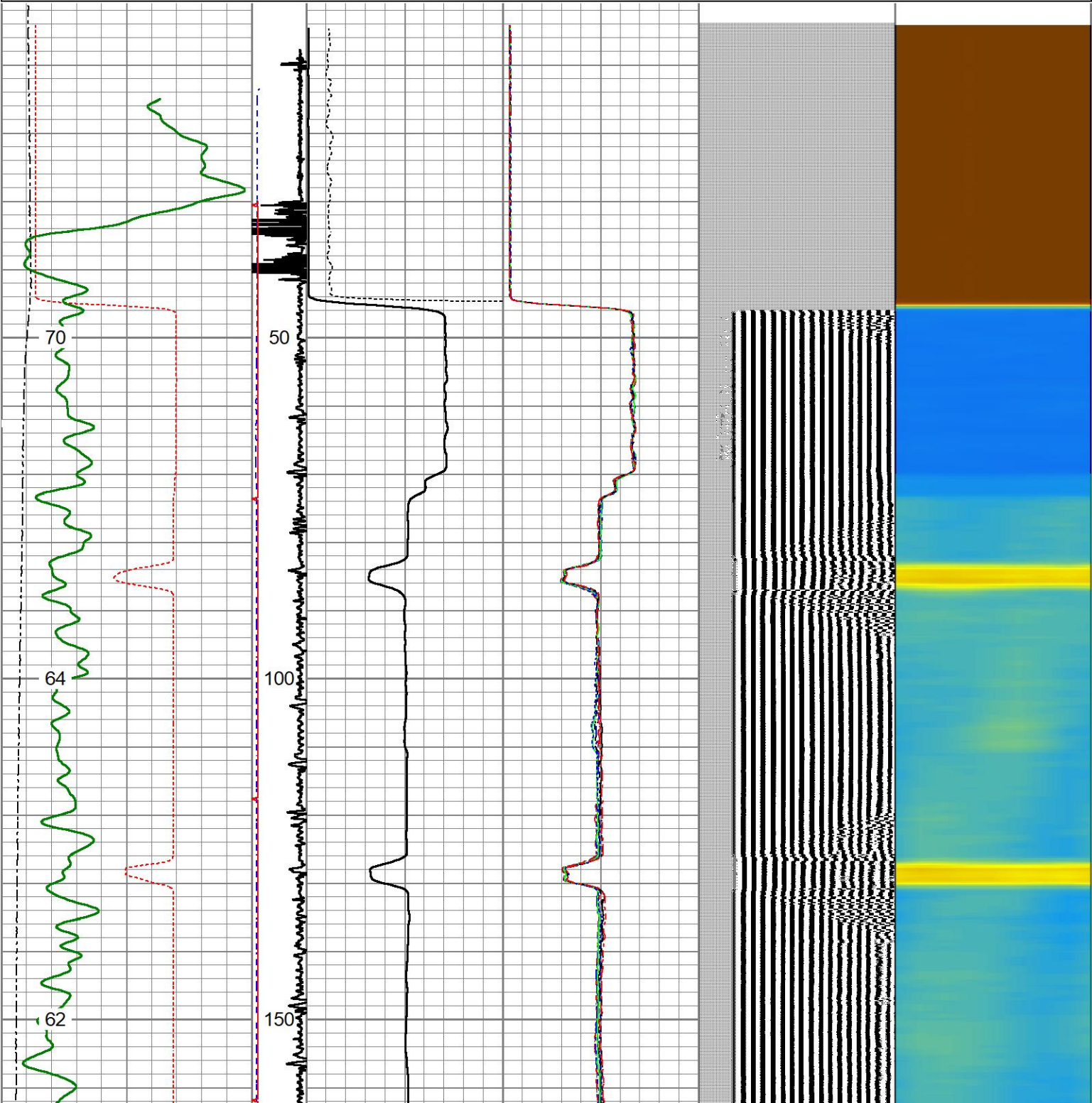


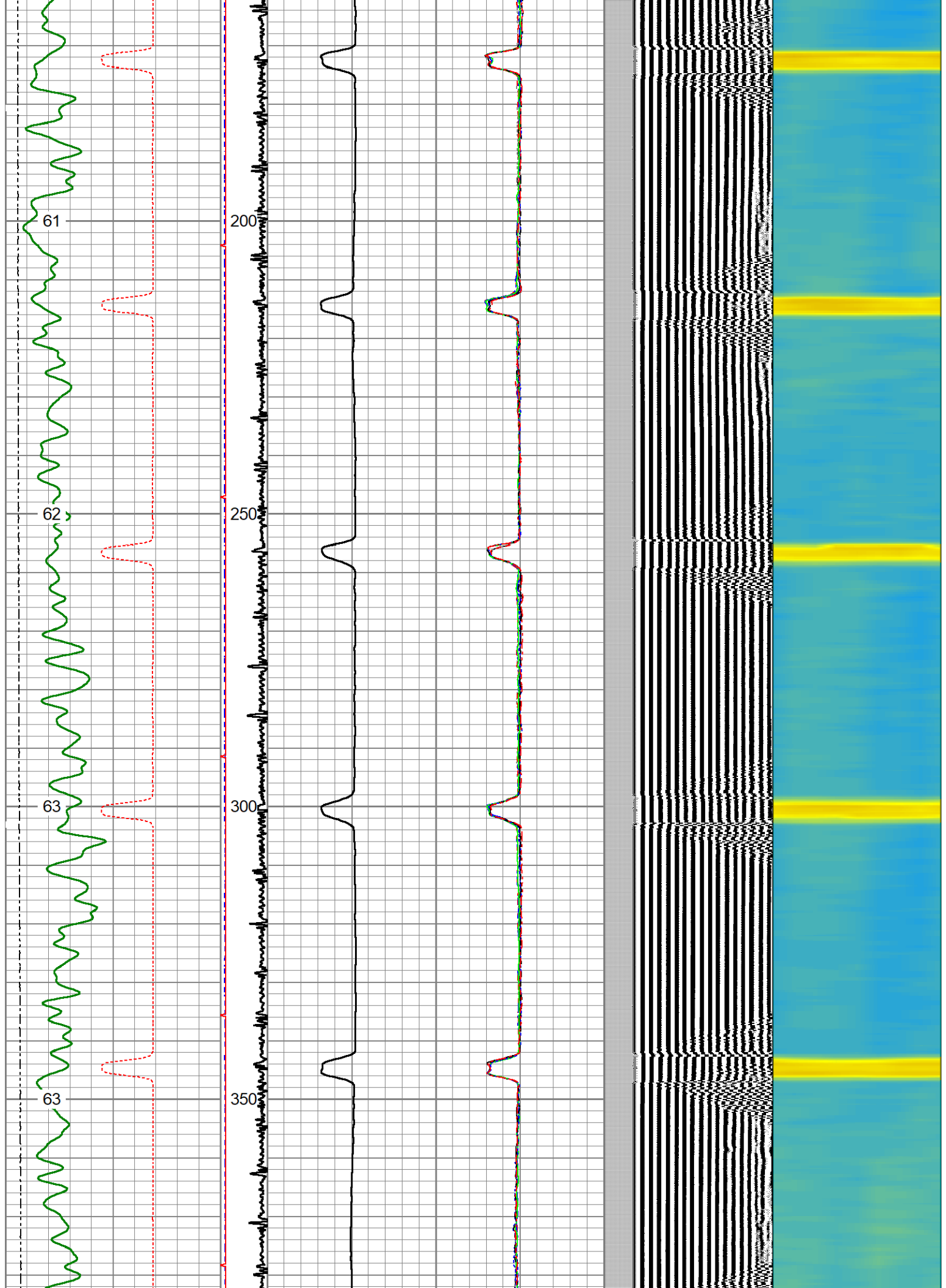
MAIN PASS

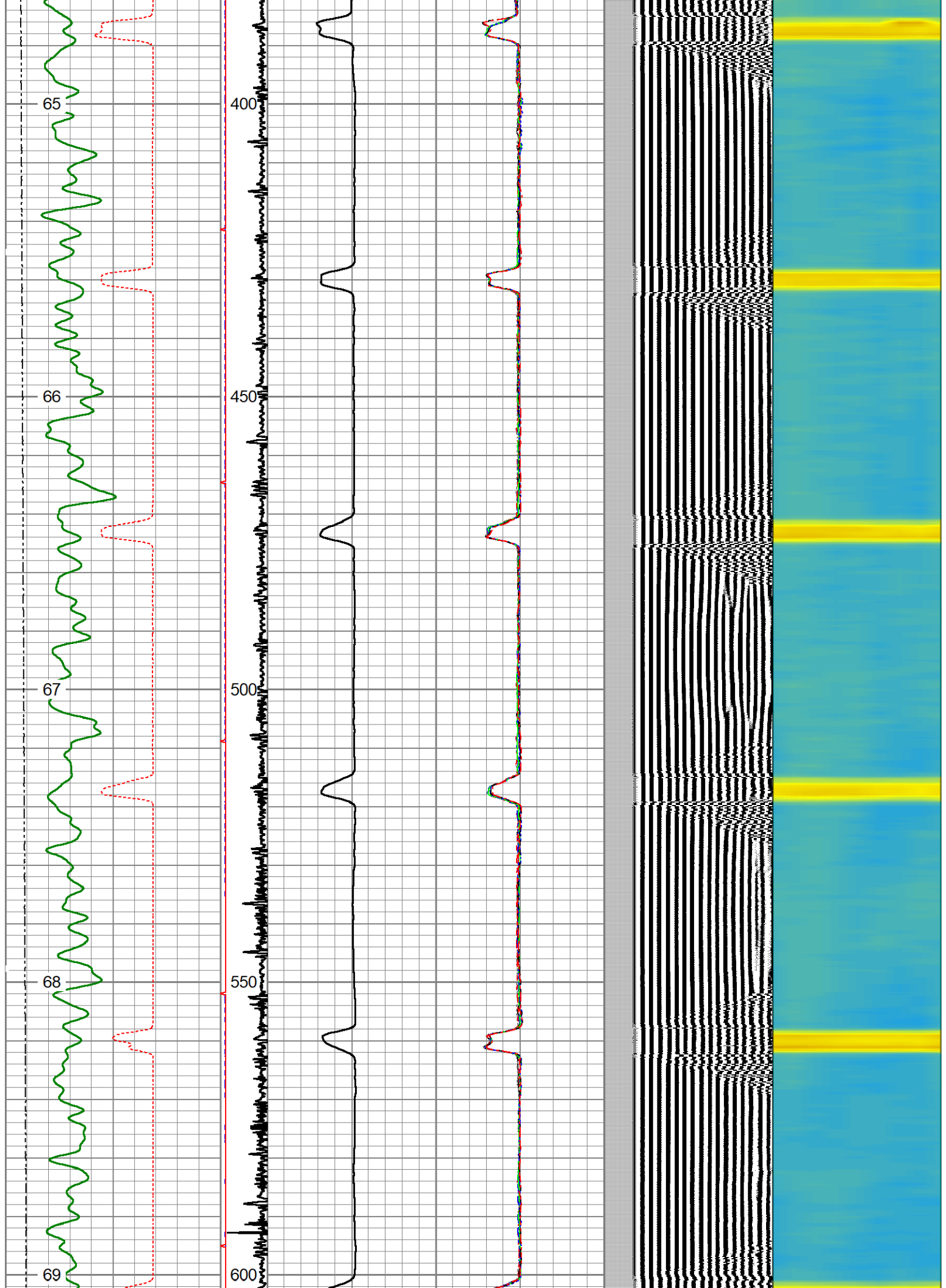
Recorded With 2200 PSI Surface Induce Pressure

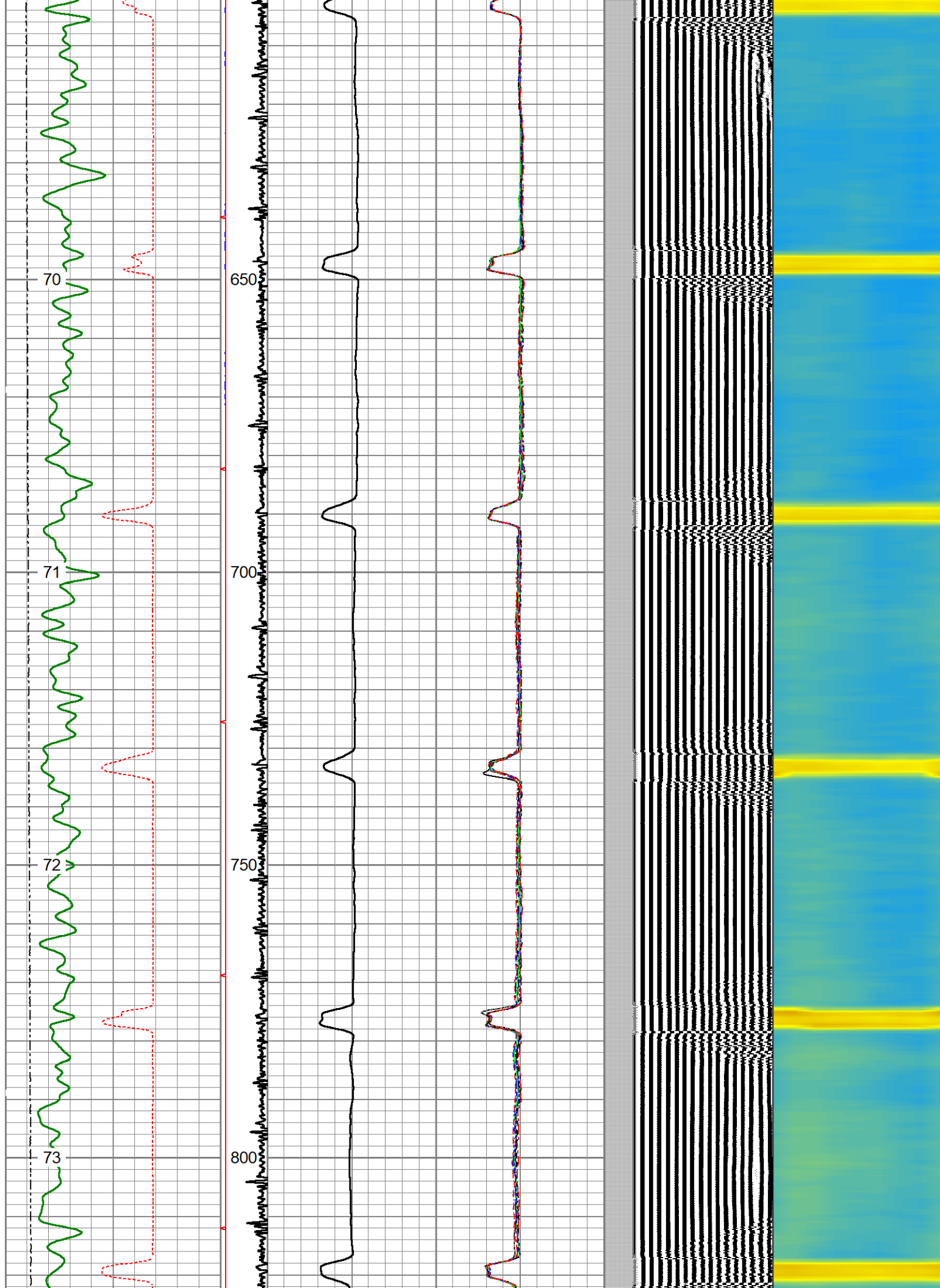
Database File		guttersen cc 32-775.db	
Dataset Pathname		cbl1/pass1	
Presentation Format		rcbl_hh	
Dataset Creation		Mon Jun 20 15:54:33 2022	
Charted by		Depth in Feet scaled 1:240	

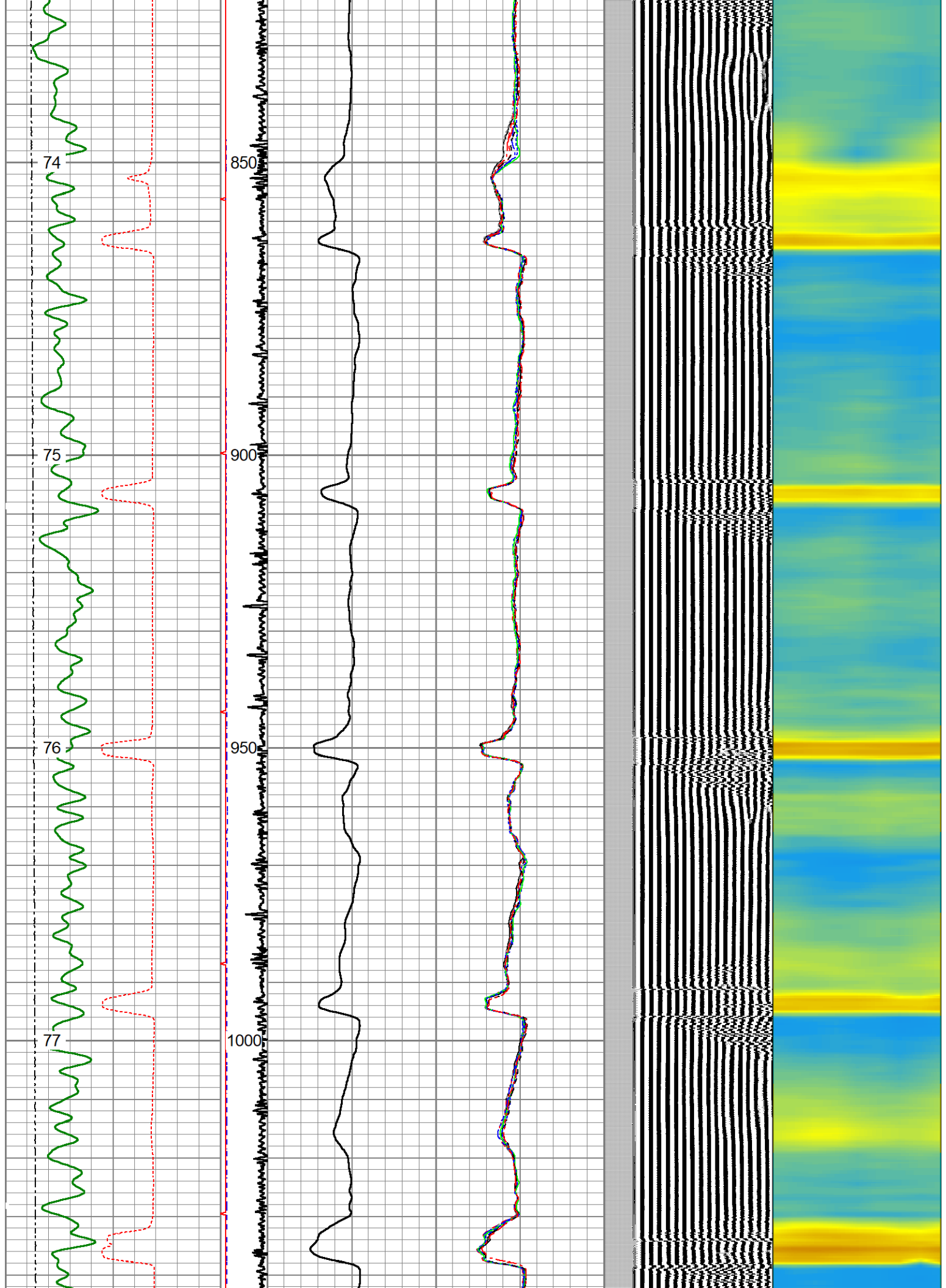
400	Travel Time (usec)	200	ing Co	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density 200 (usec) 1200	1 Cement Map 8
0	Gamma Ray (GAPI)	150	9 -1		Amplified Amplitude		-5	Sector 2	150		
50	TEMP (degF)	250	e Tens	0	(mV)	10	-5	Sector 3	150		
TEMP (degF)		(lb) (2000					-5	Sector 4	150		
							-5	Sector 5	150		
		ipe Tal					-5	Sector 6	150		
							-5	Sector 7	150		
							-5	Sector 8	150		

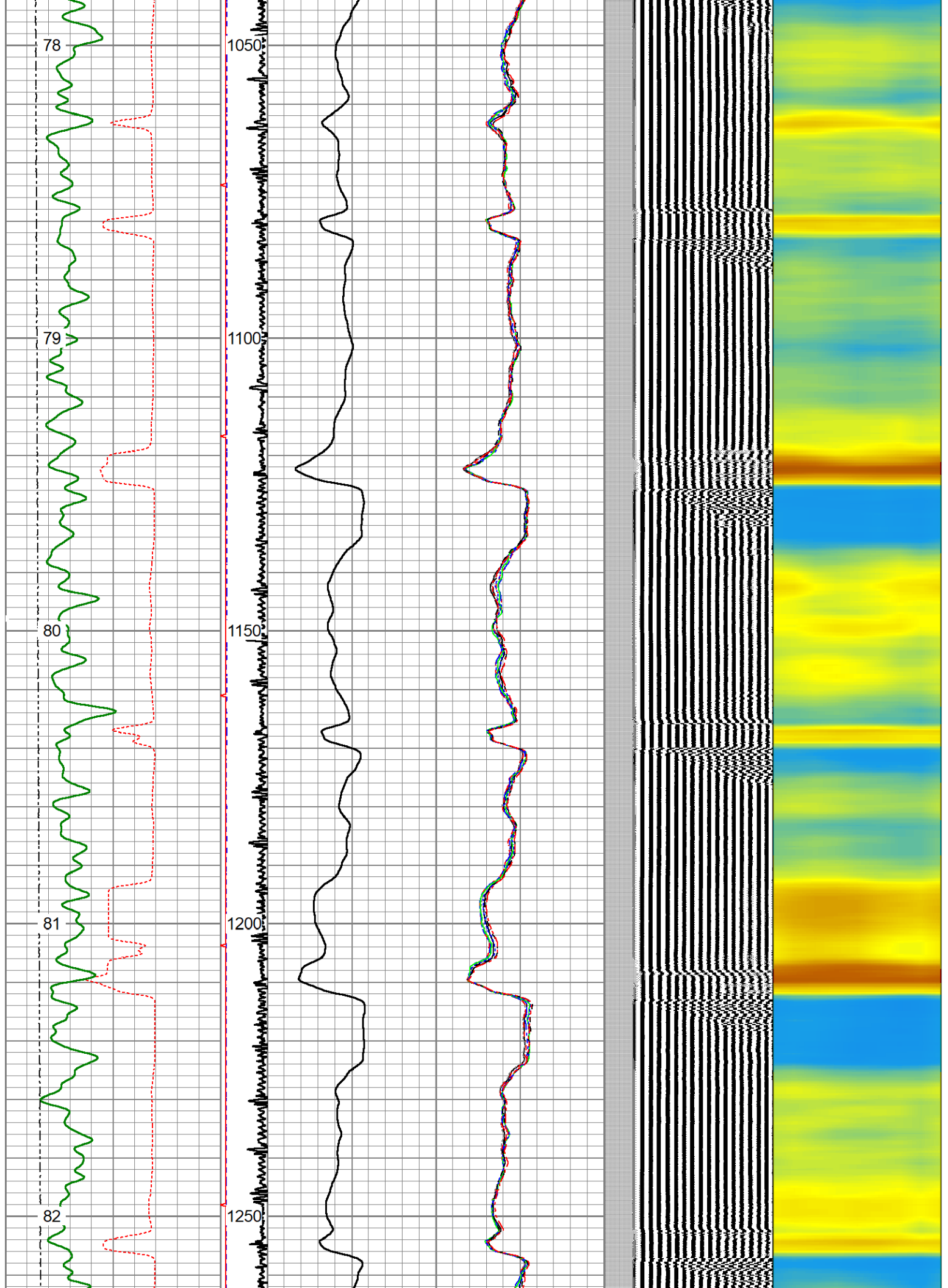


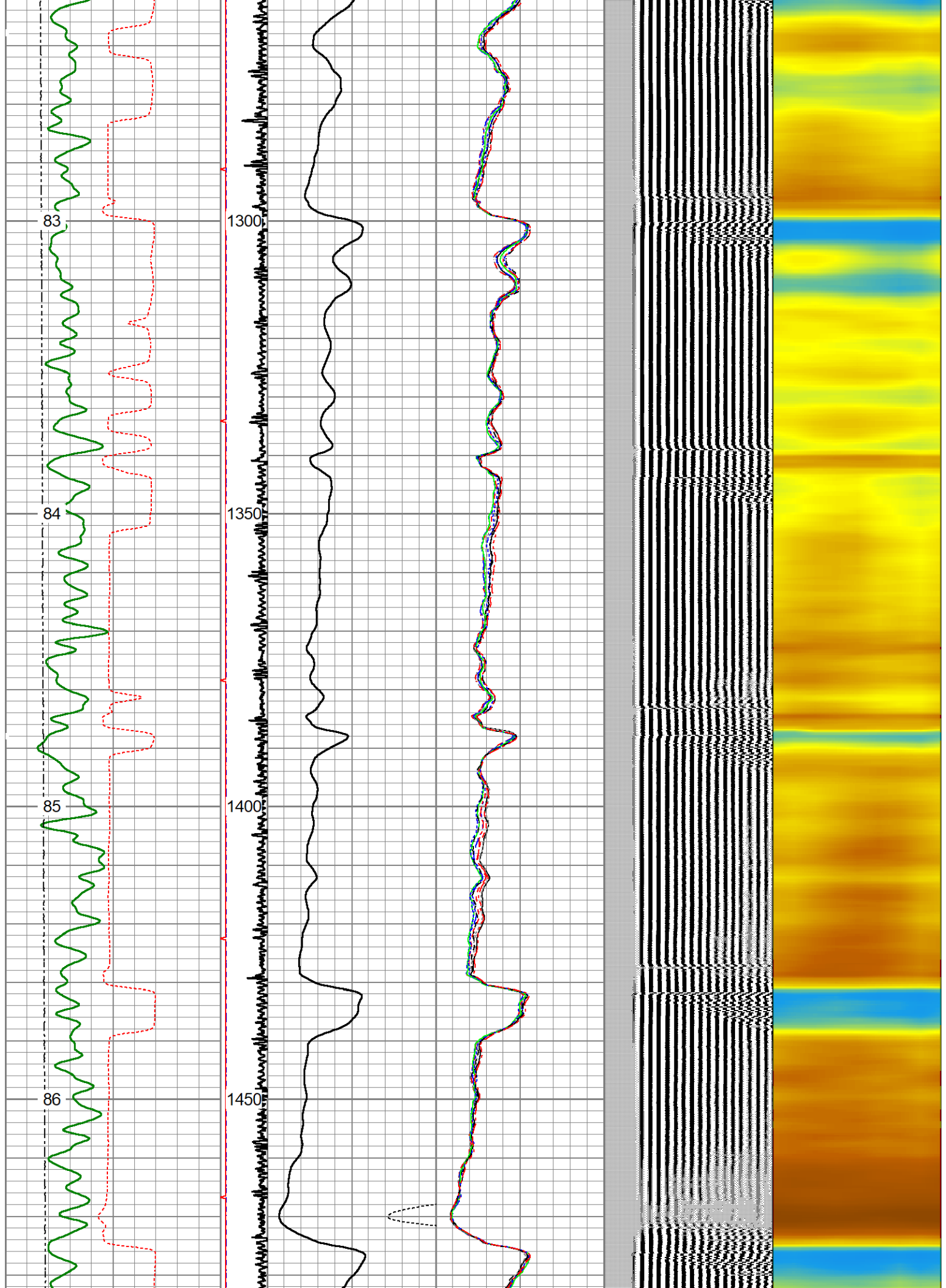


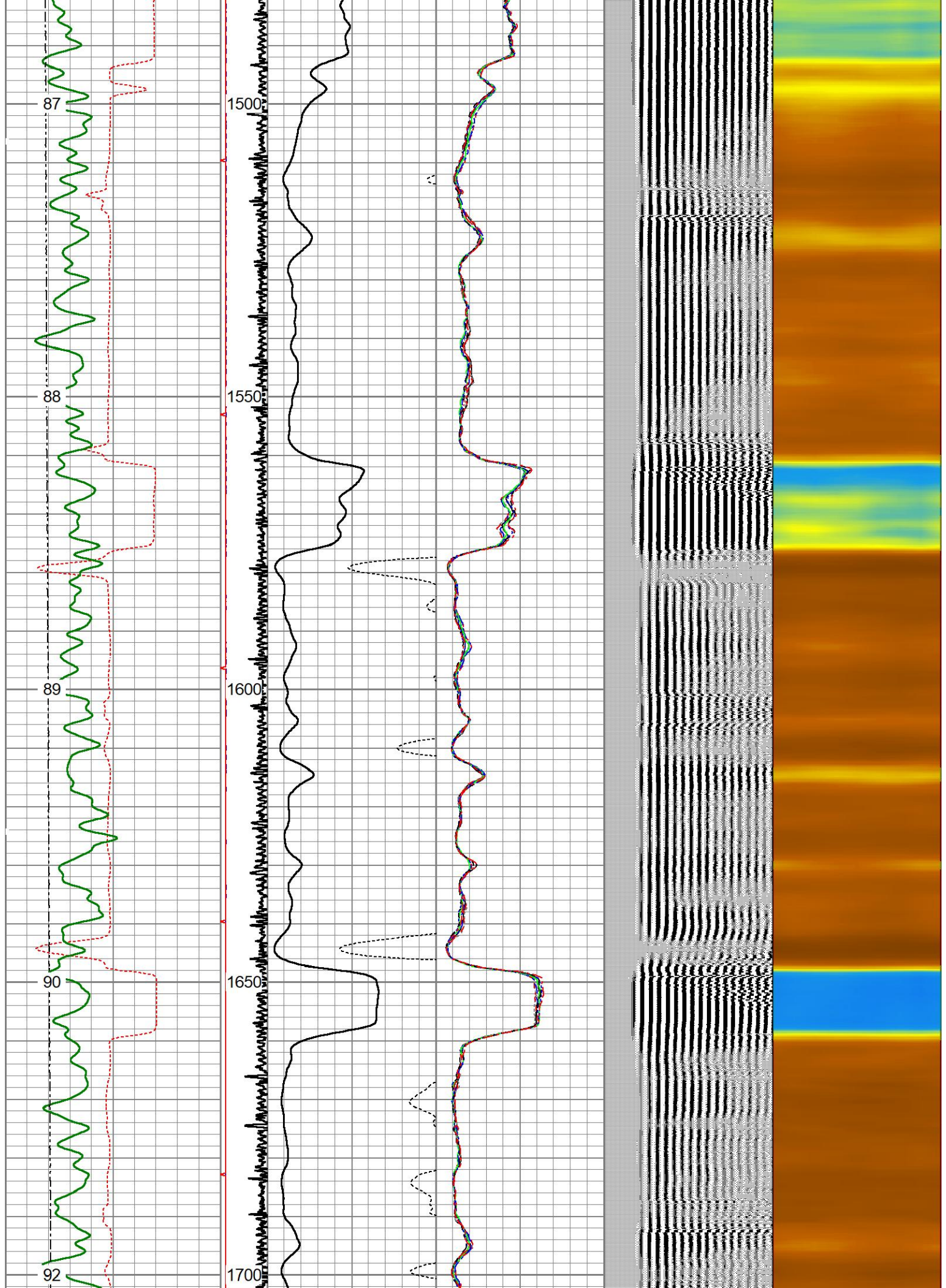


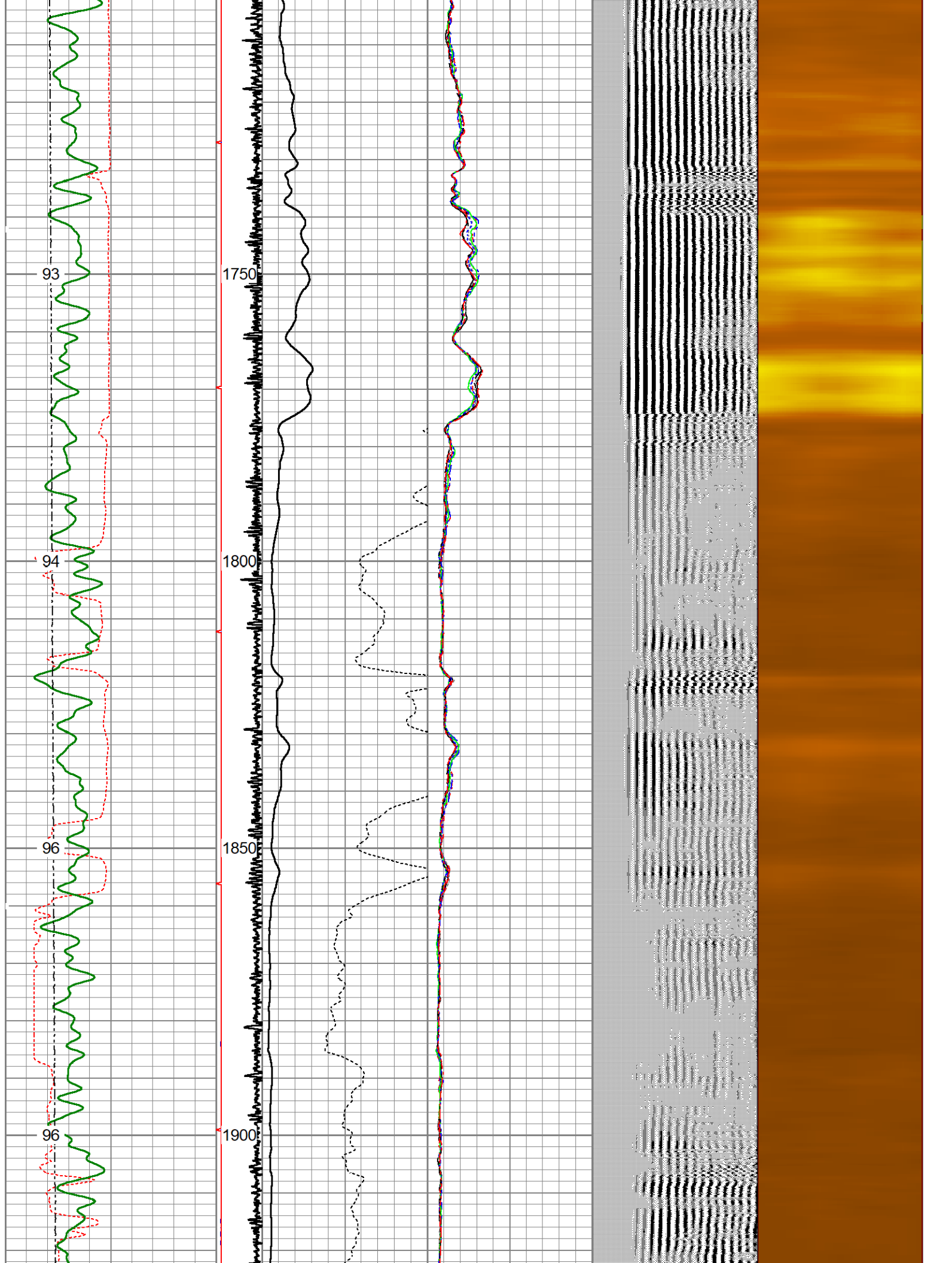


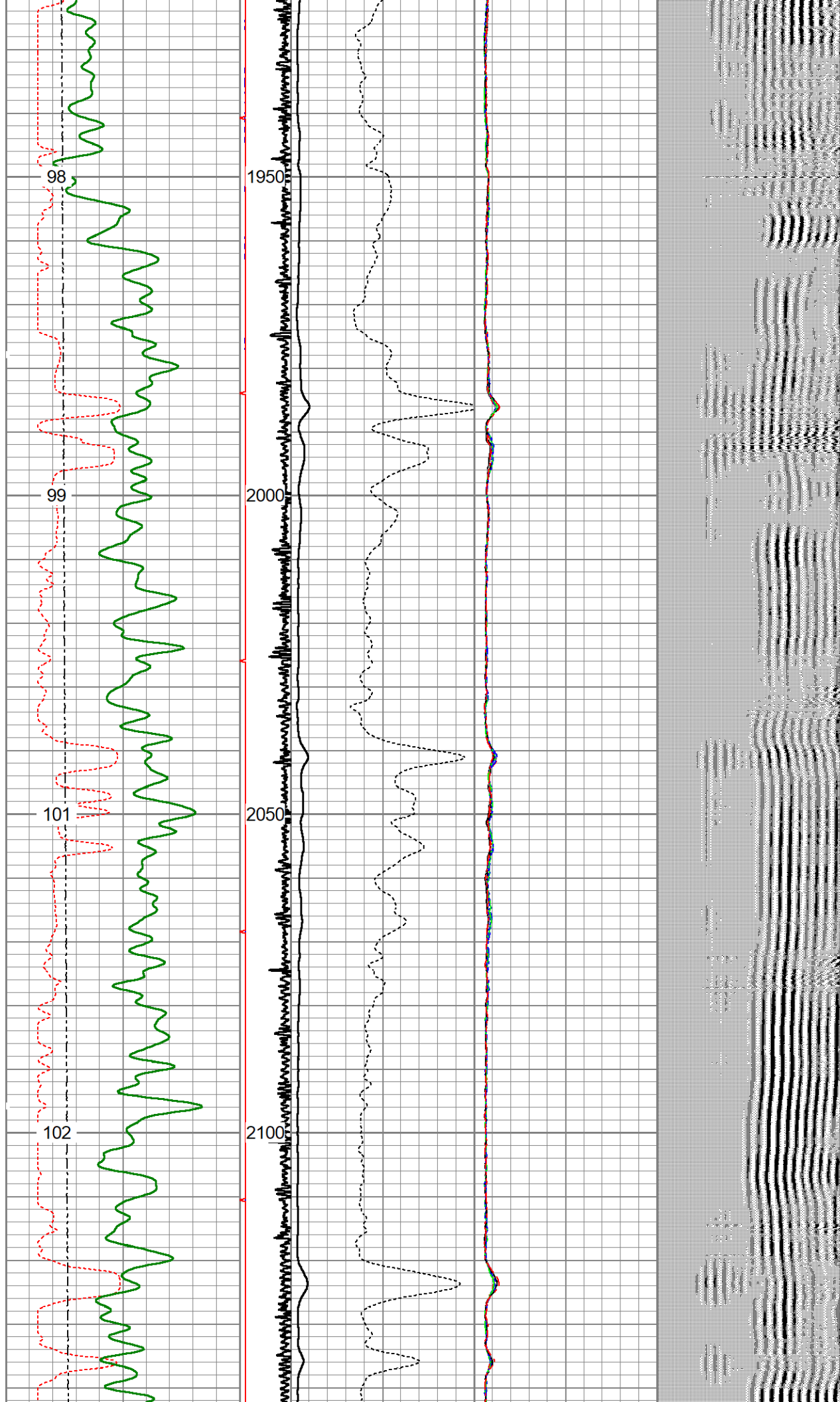


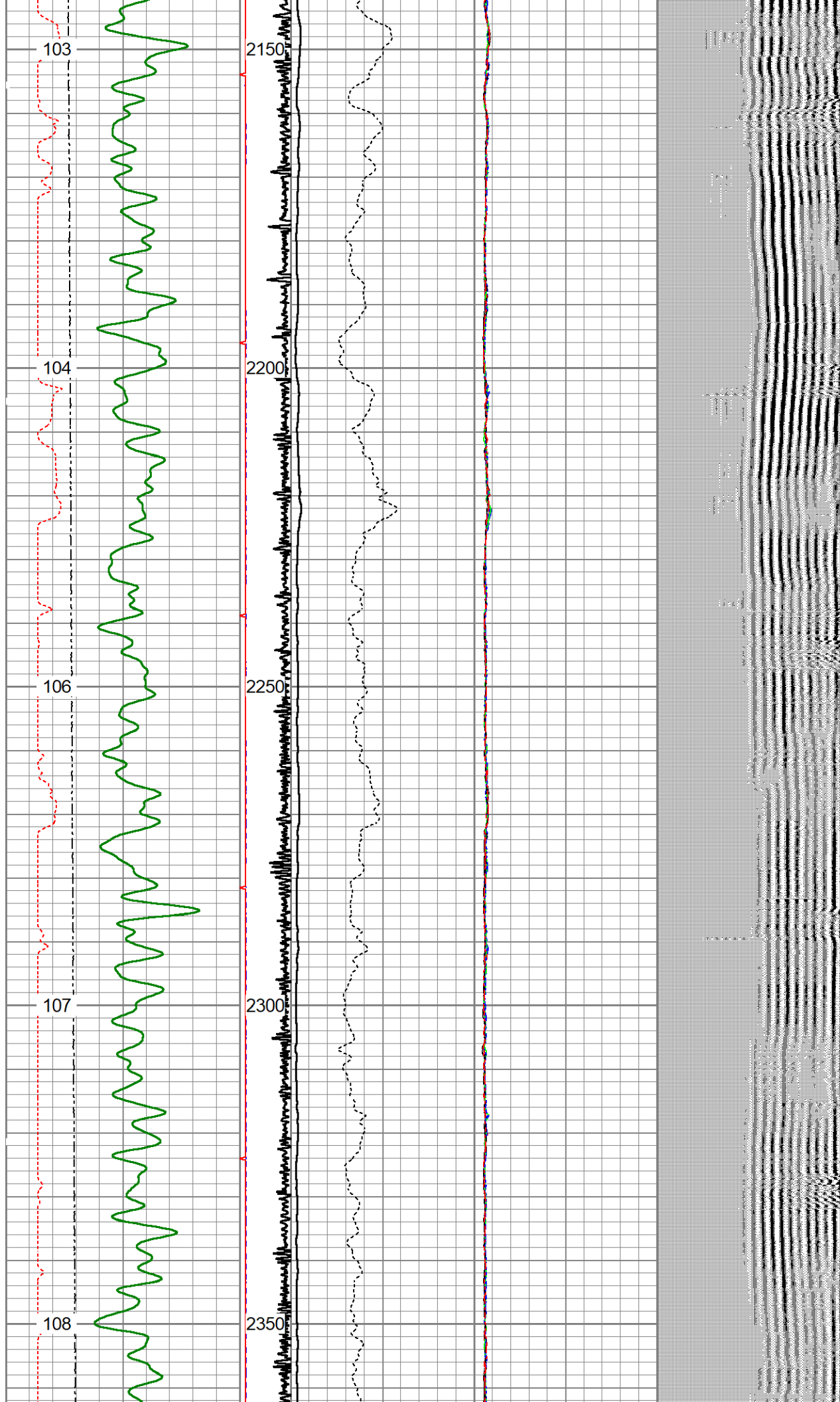


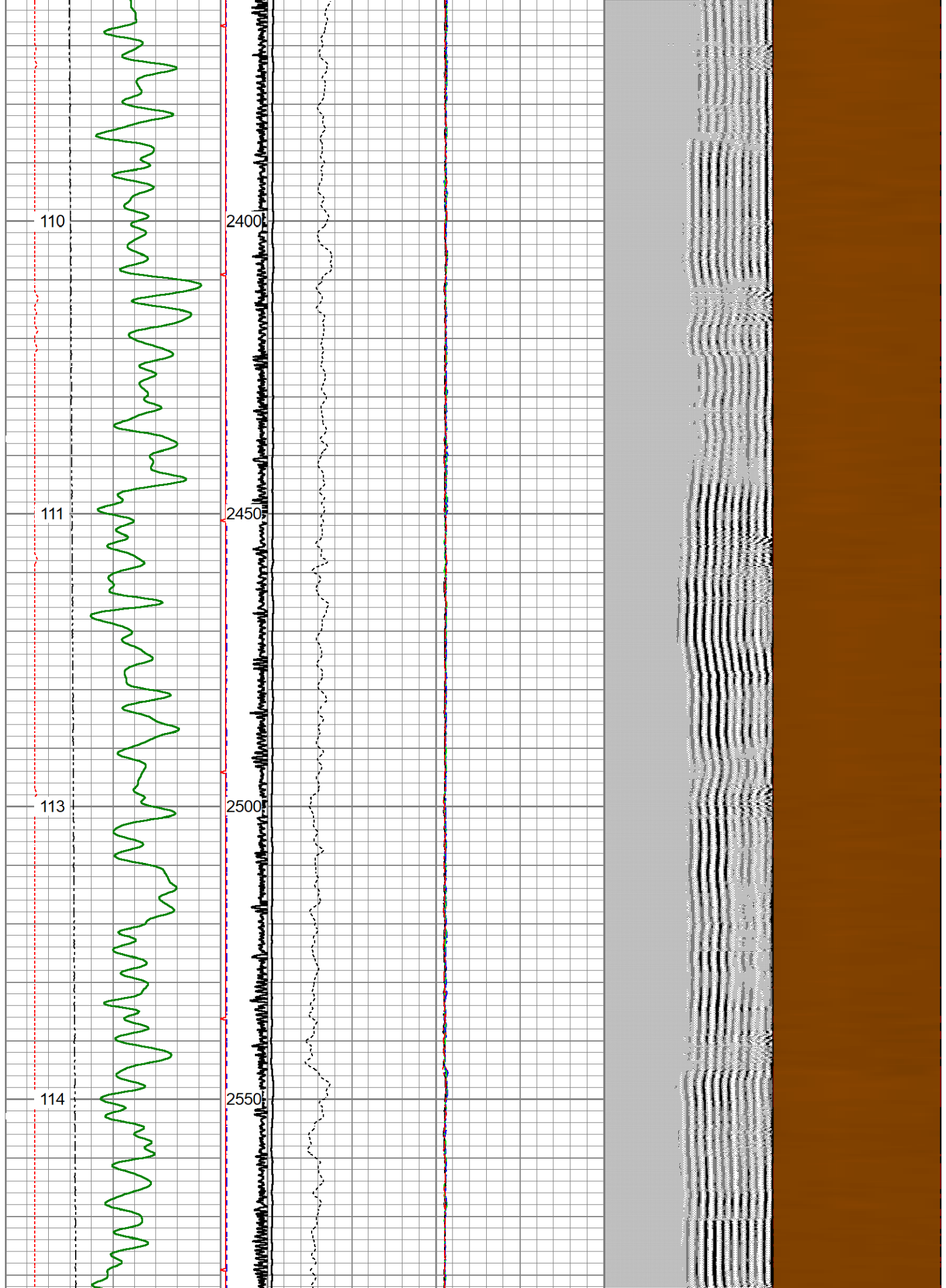


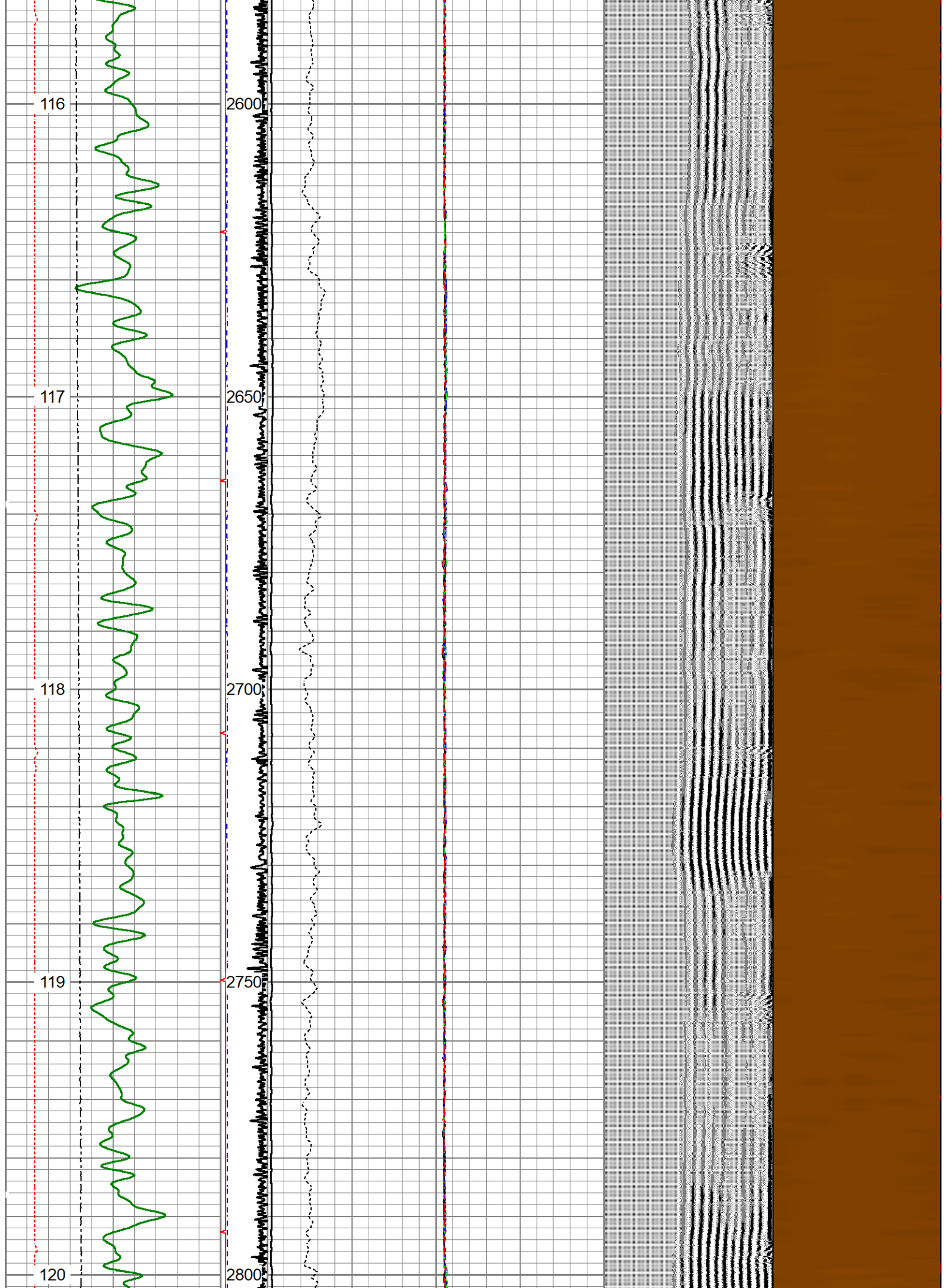


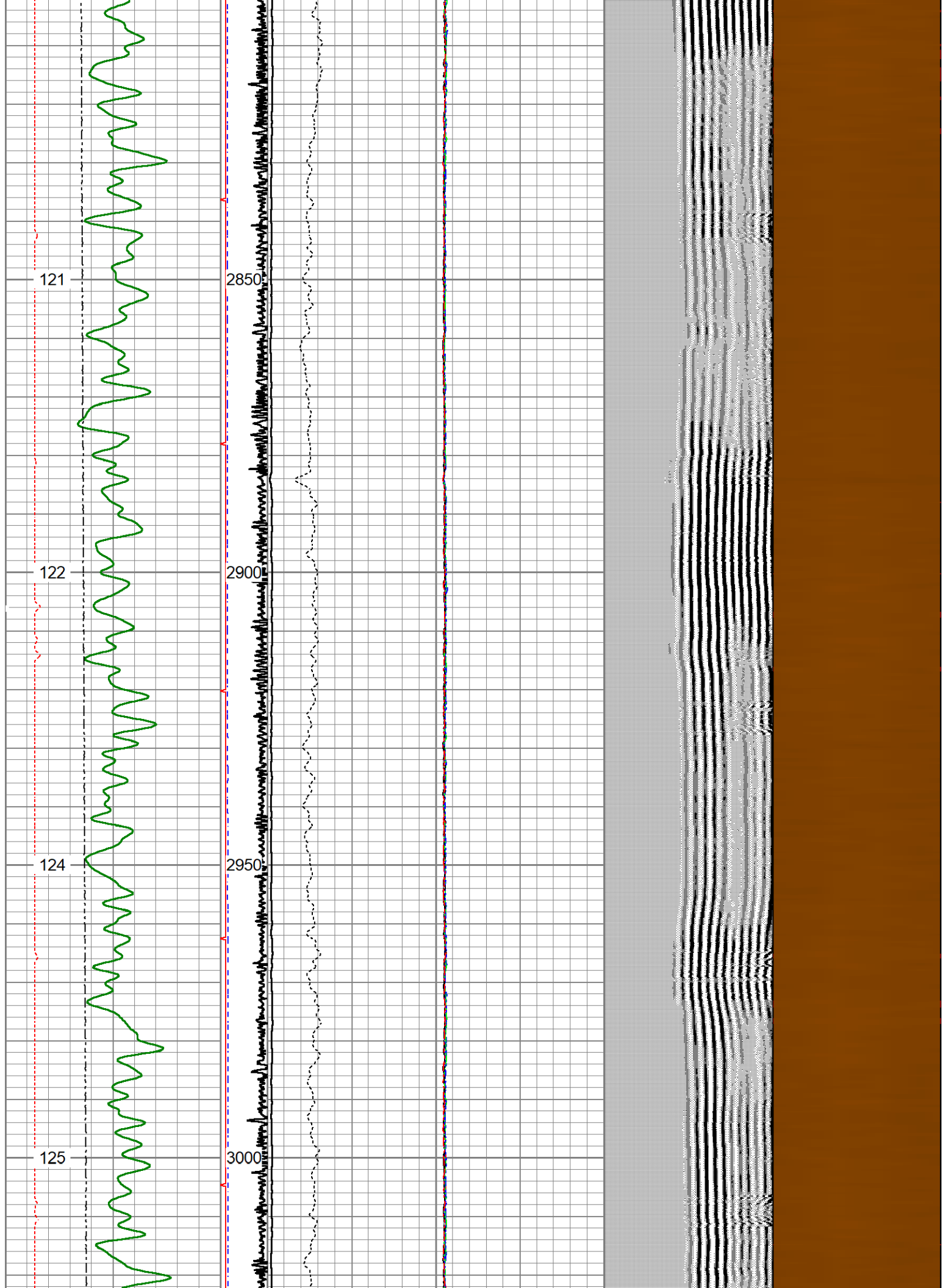


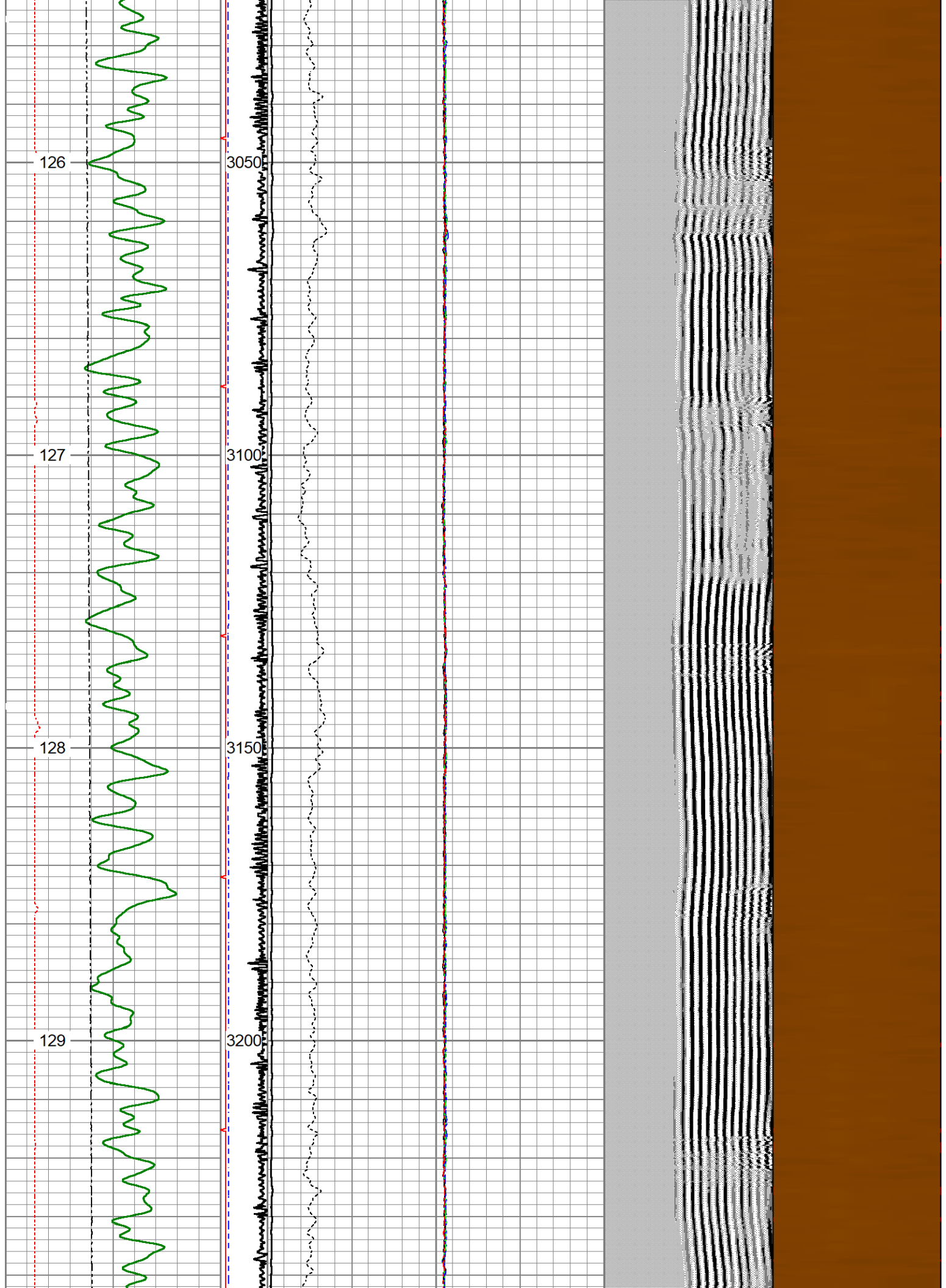


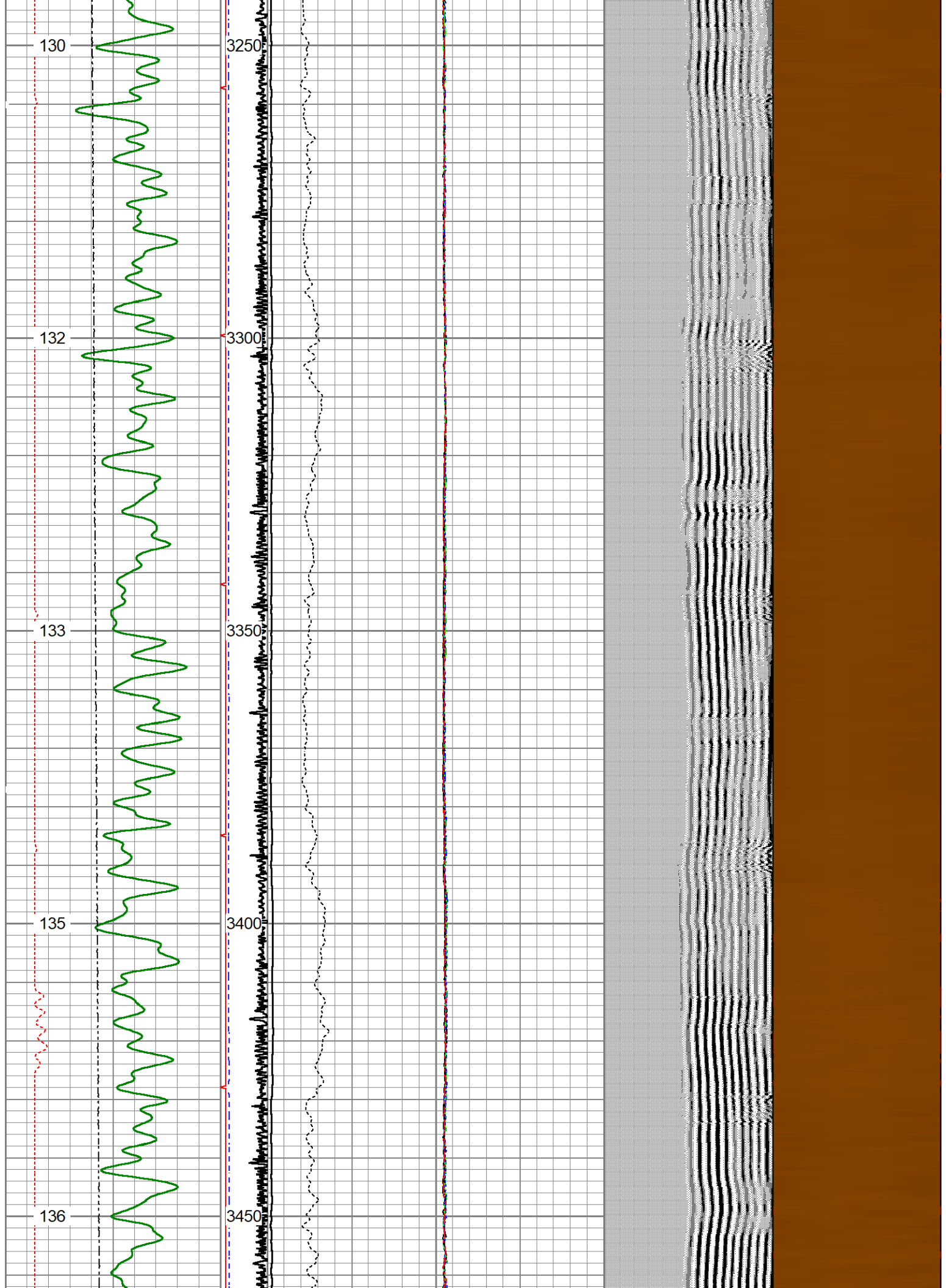


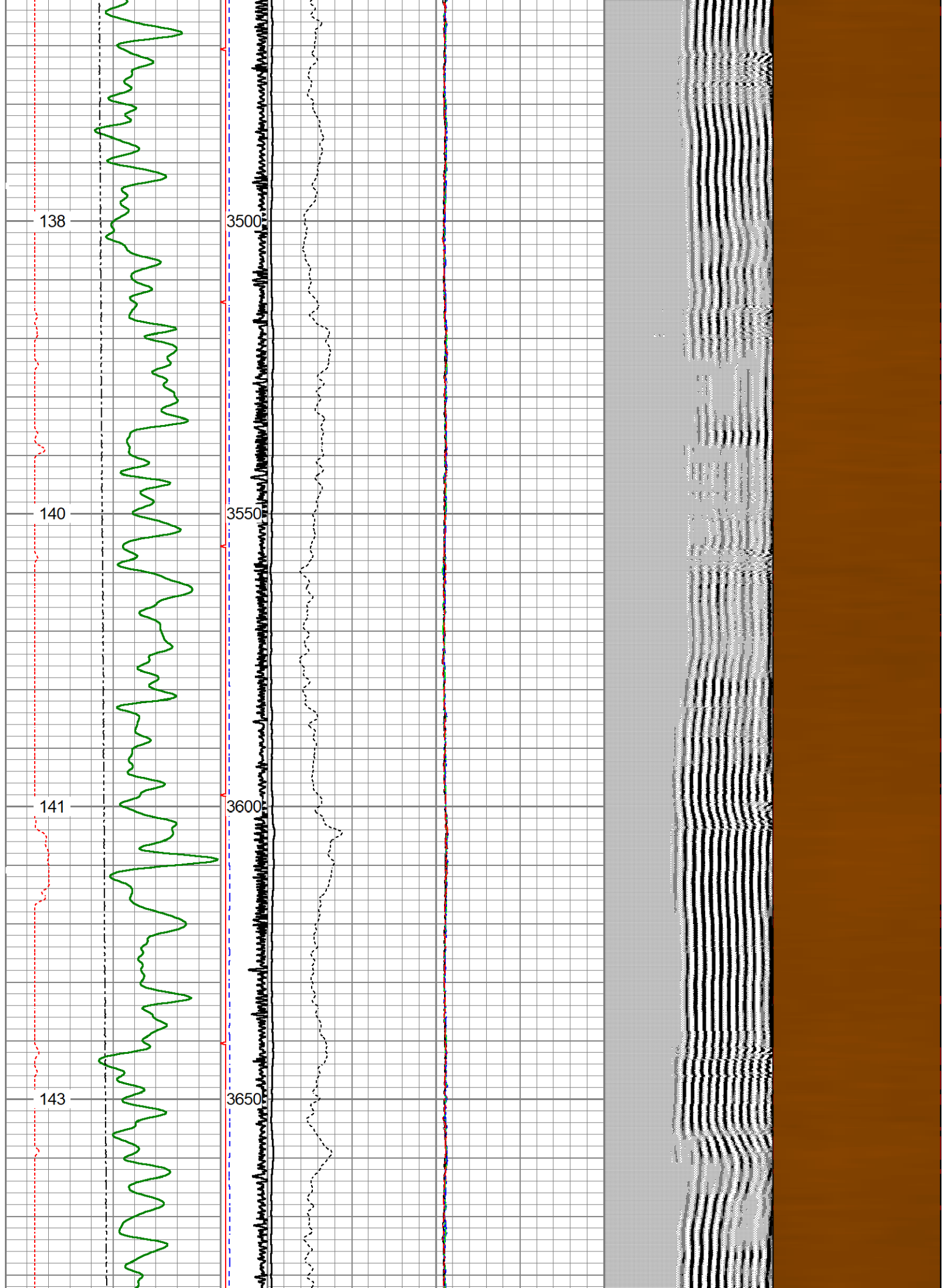


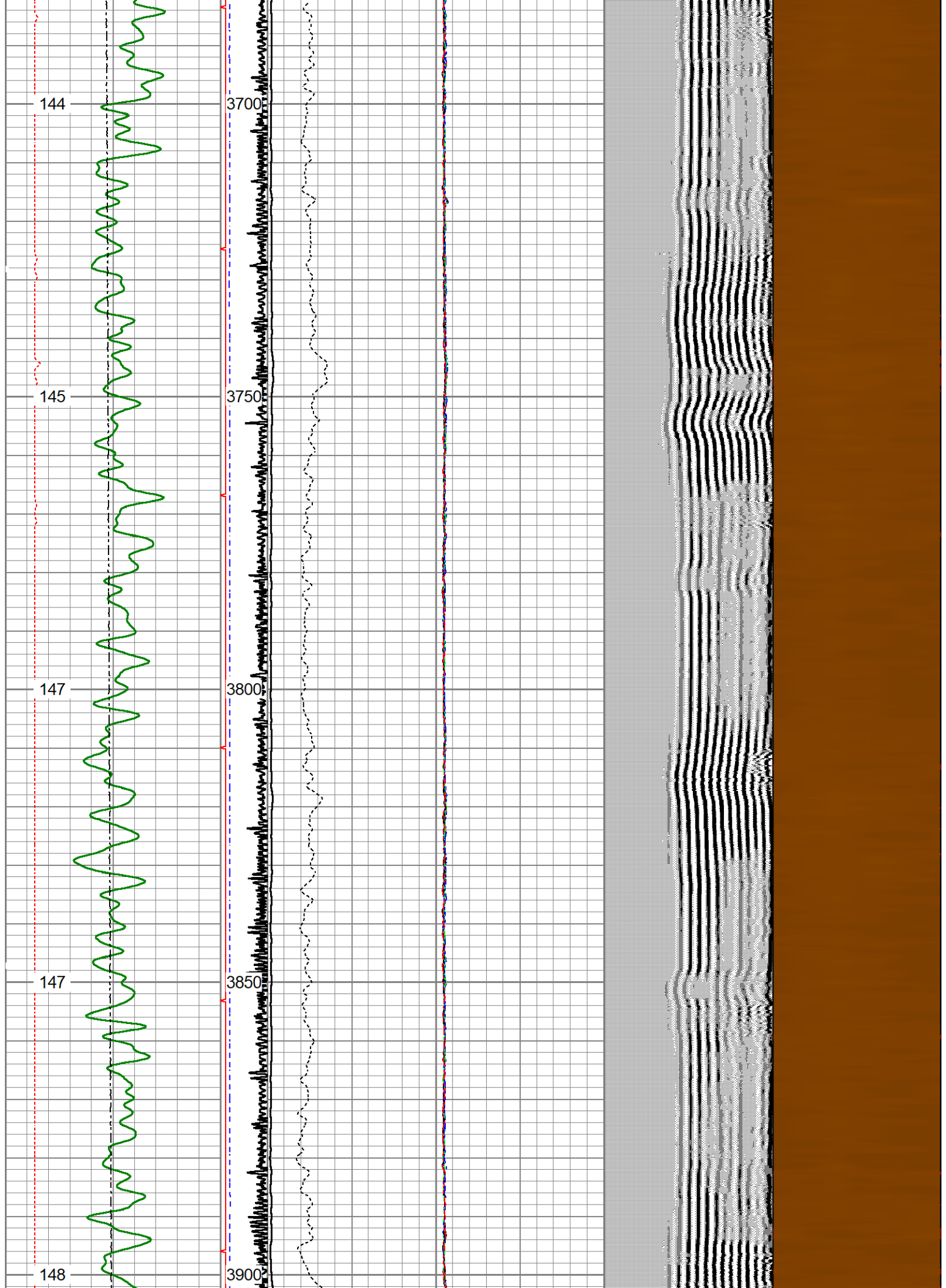


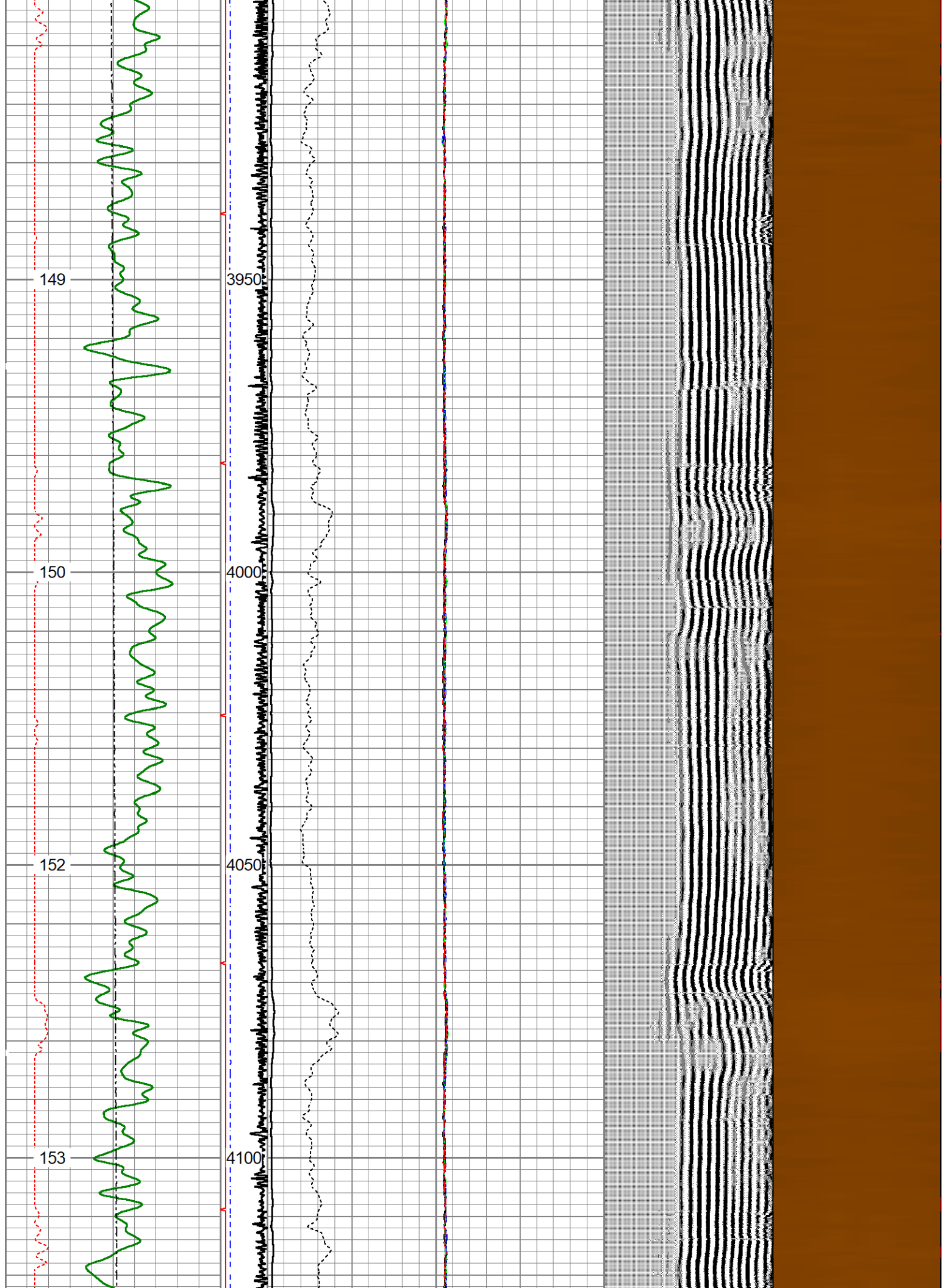


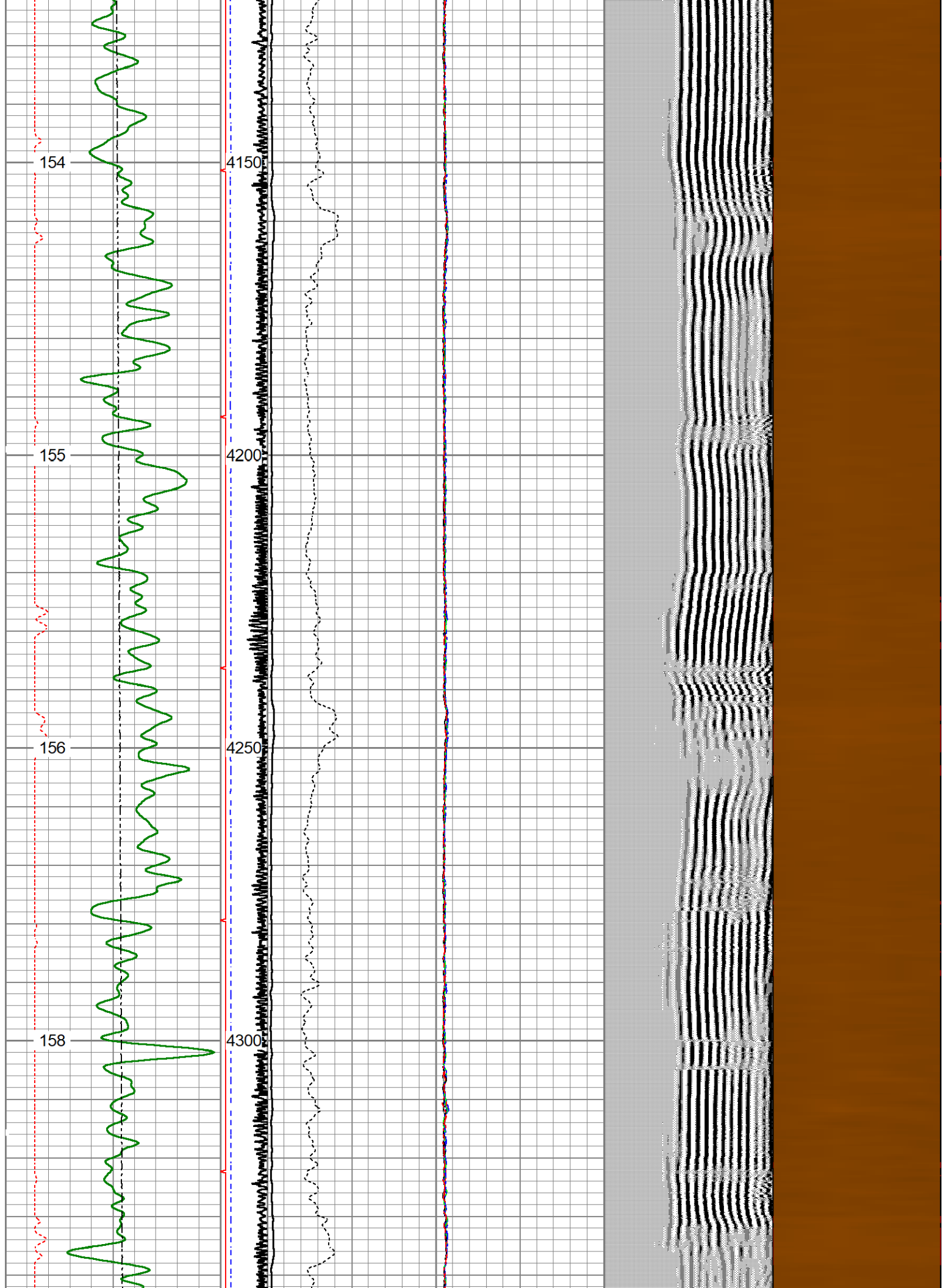


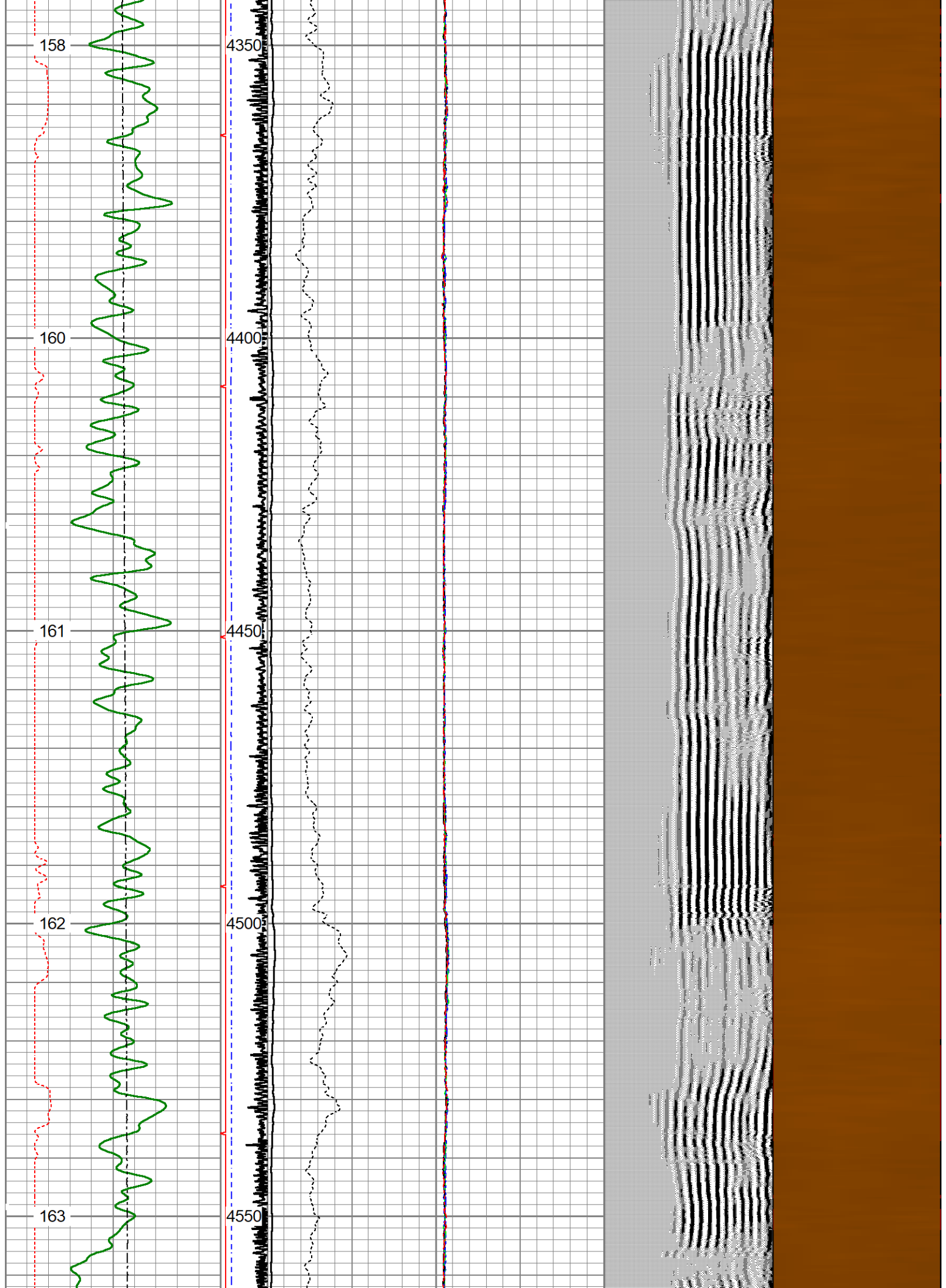


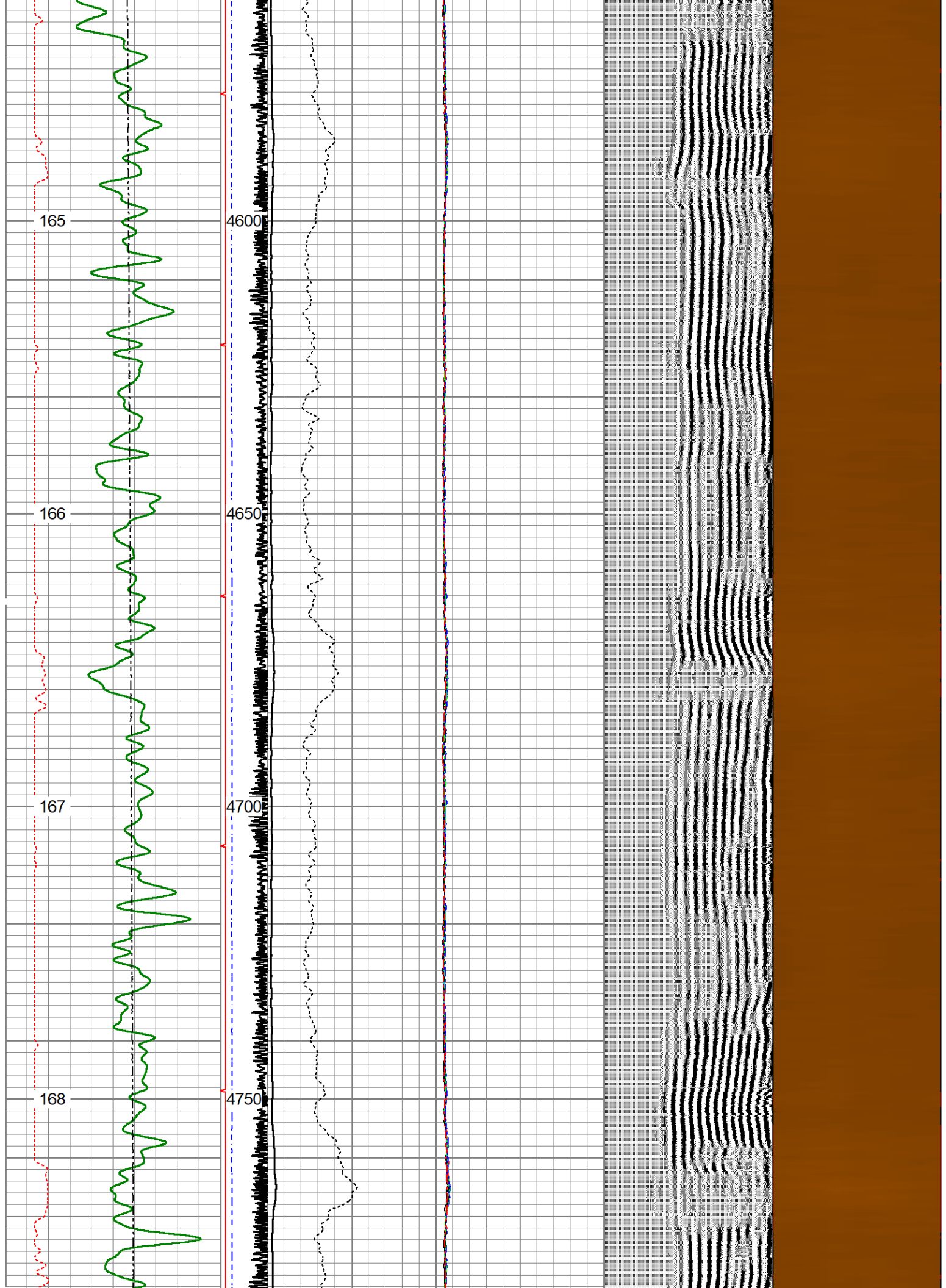


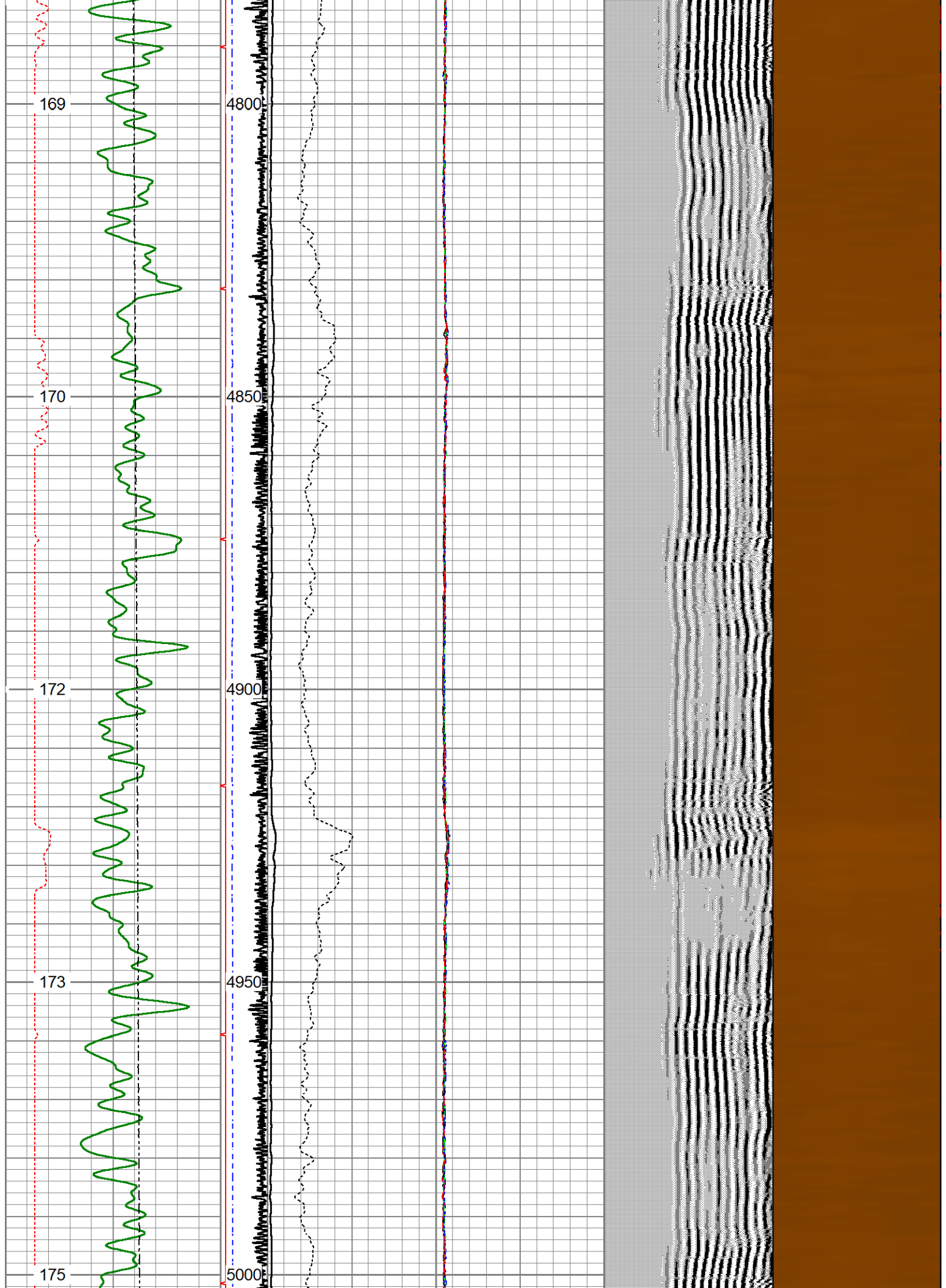


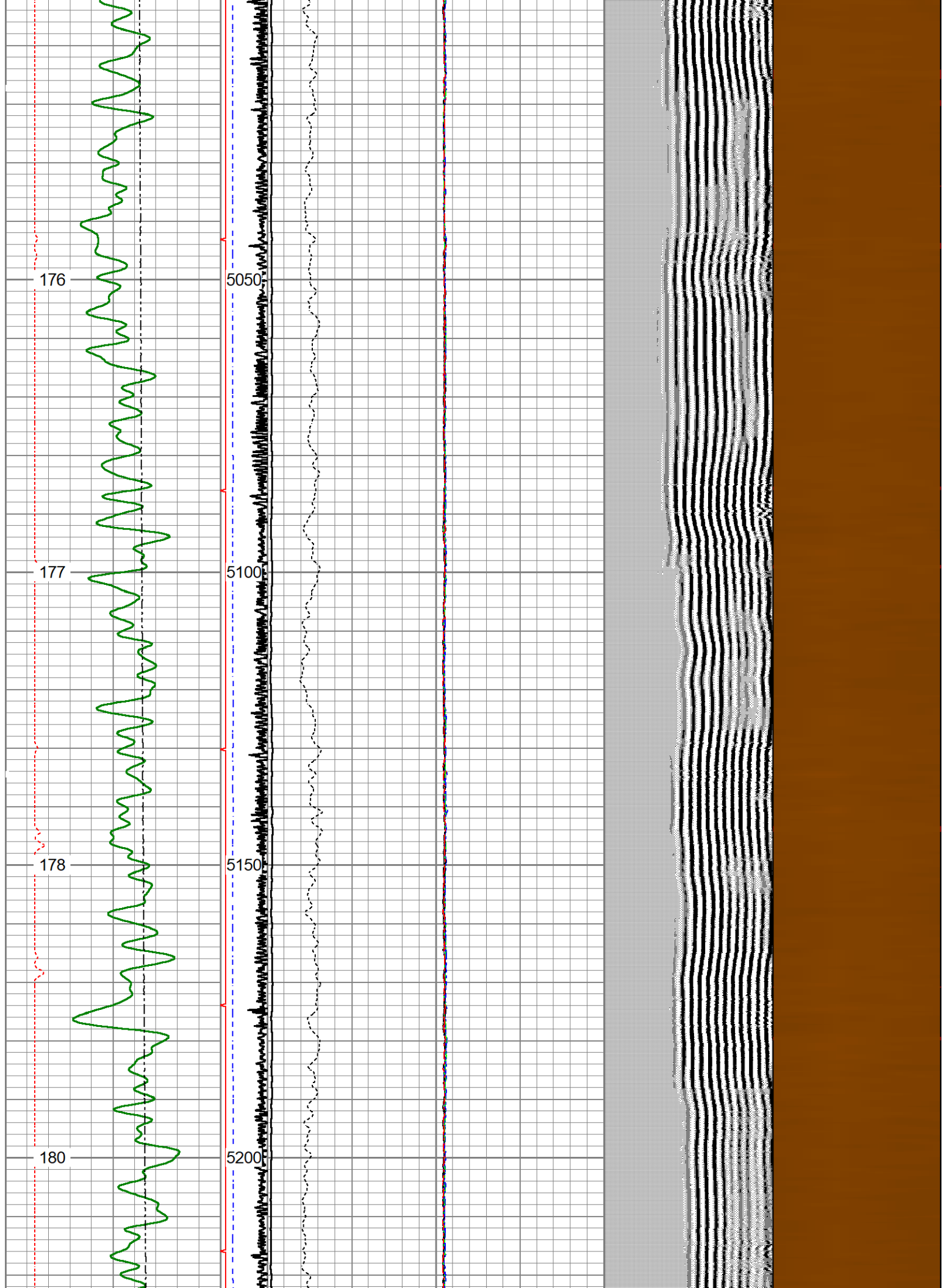


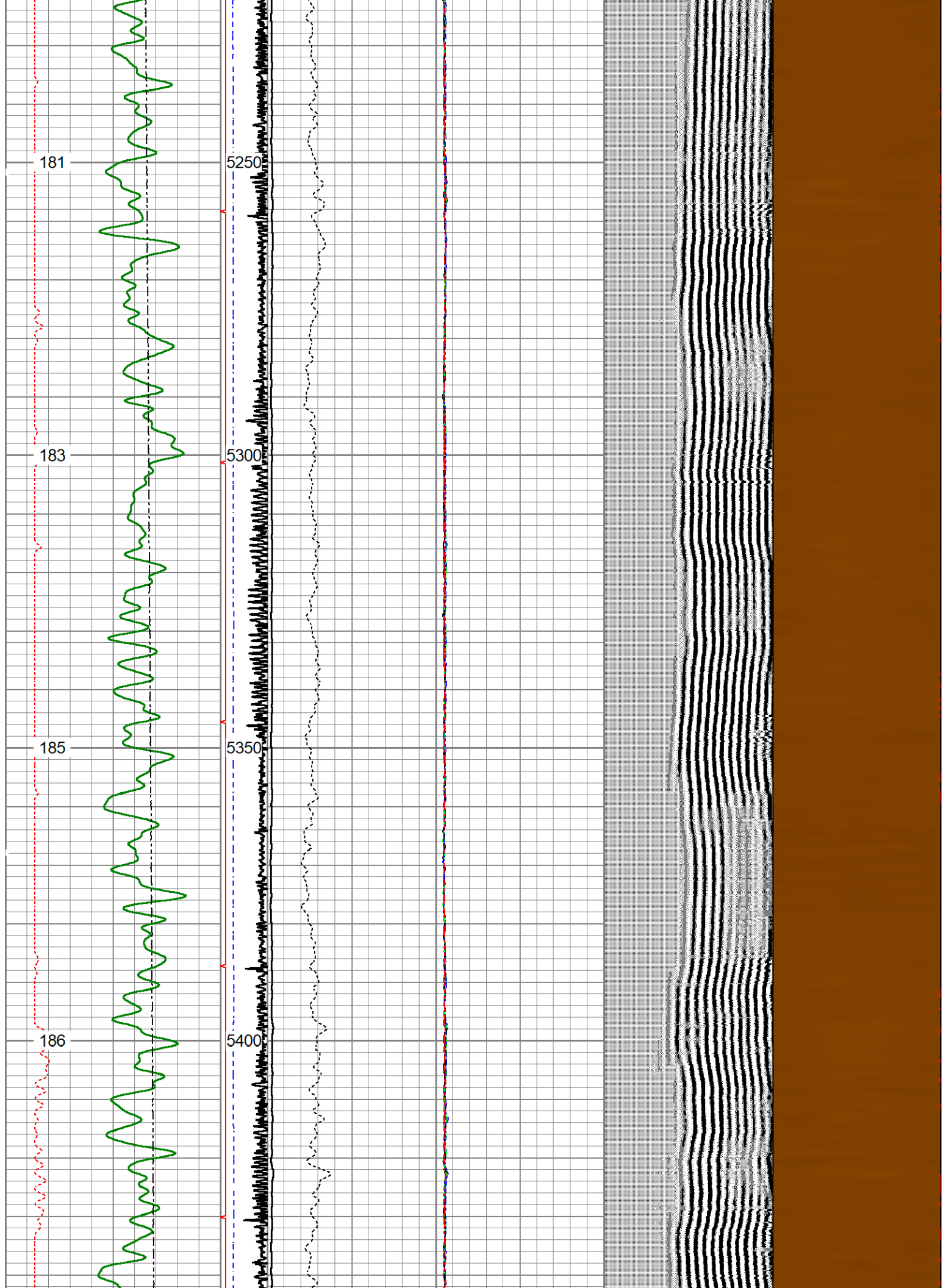




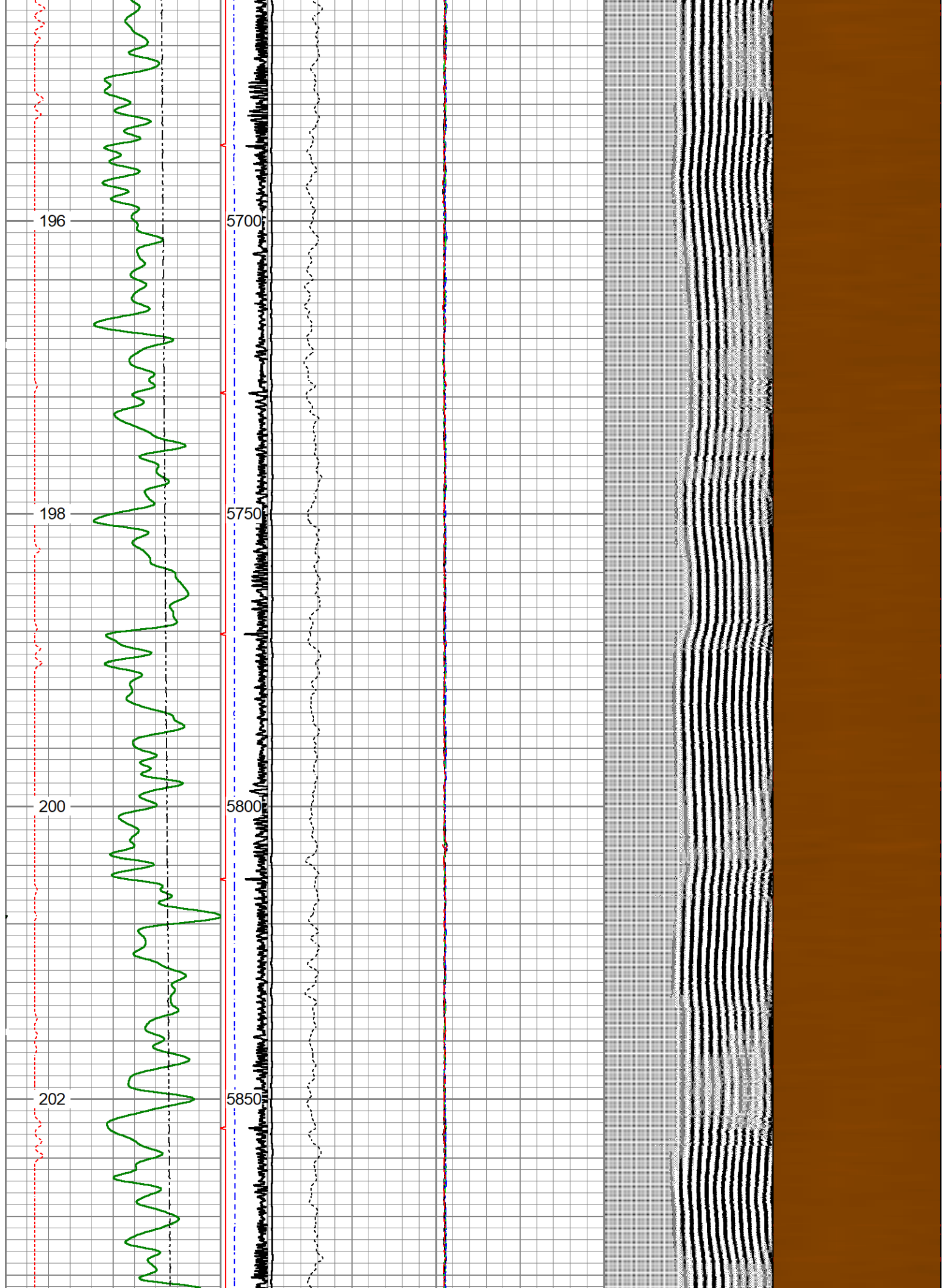


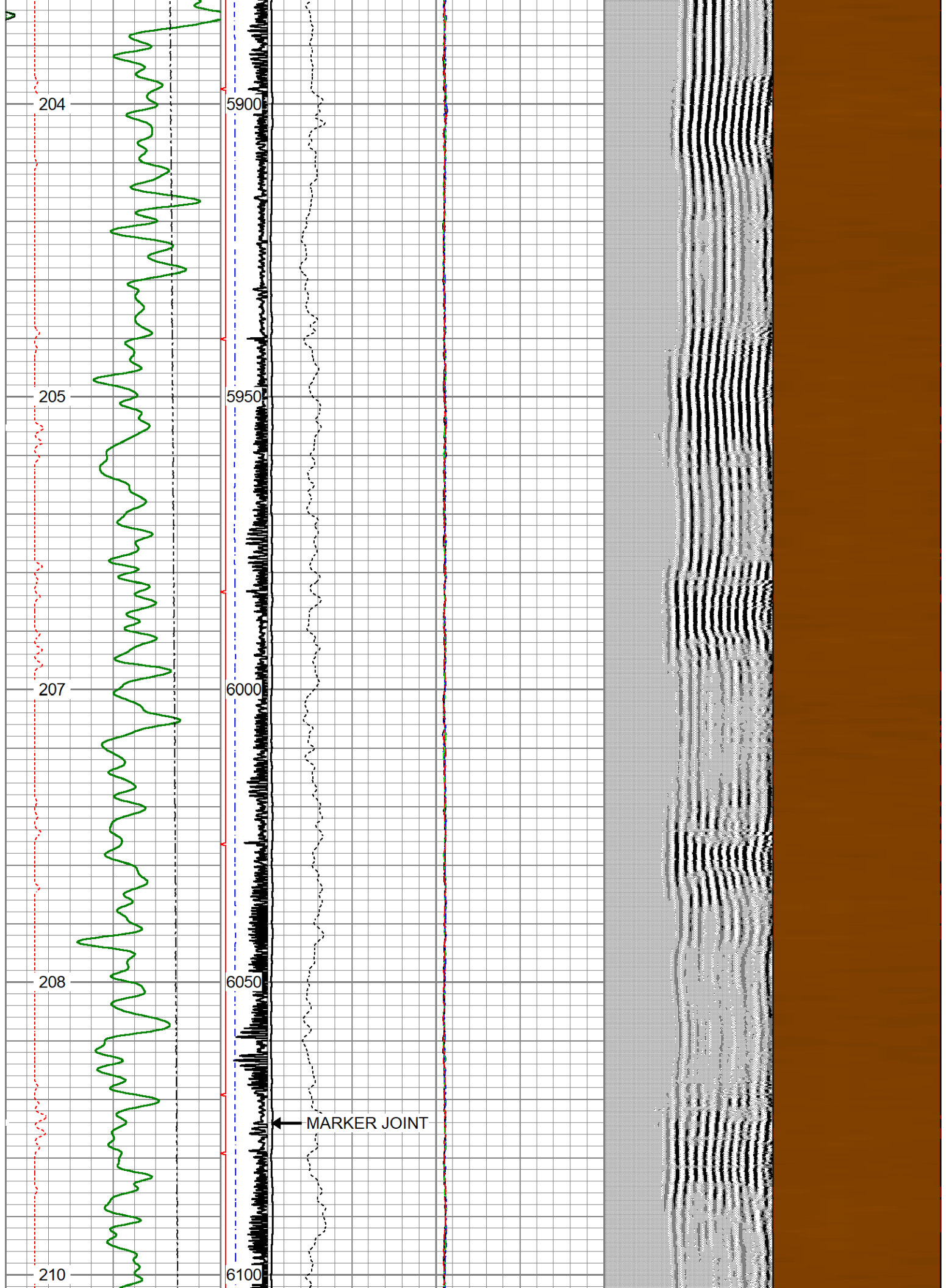




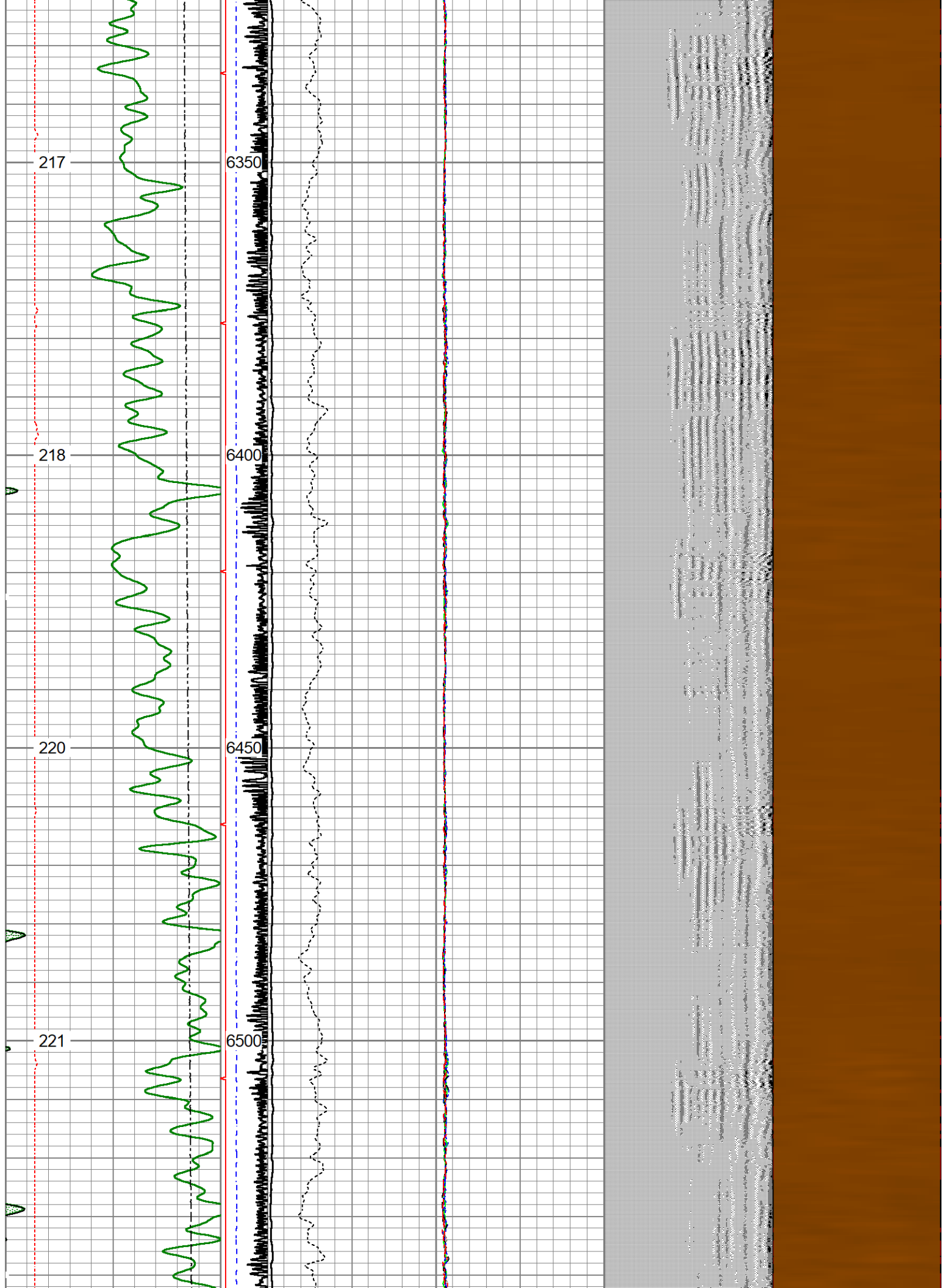


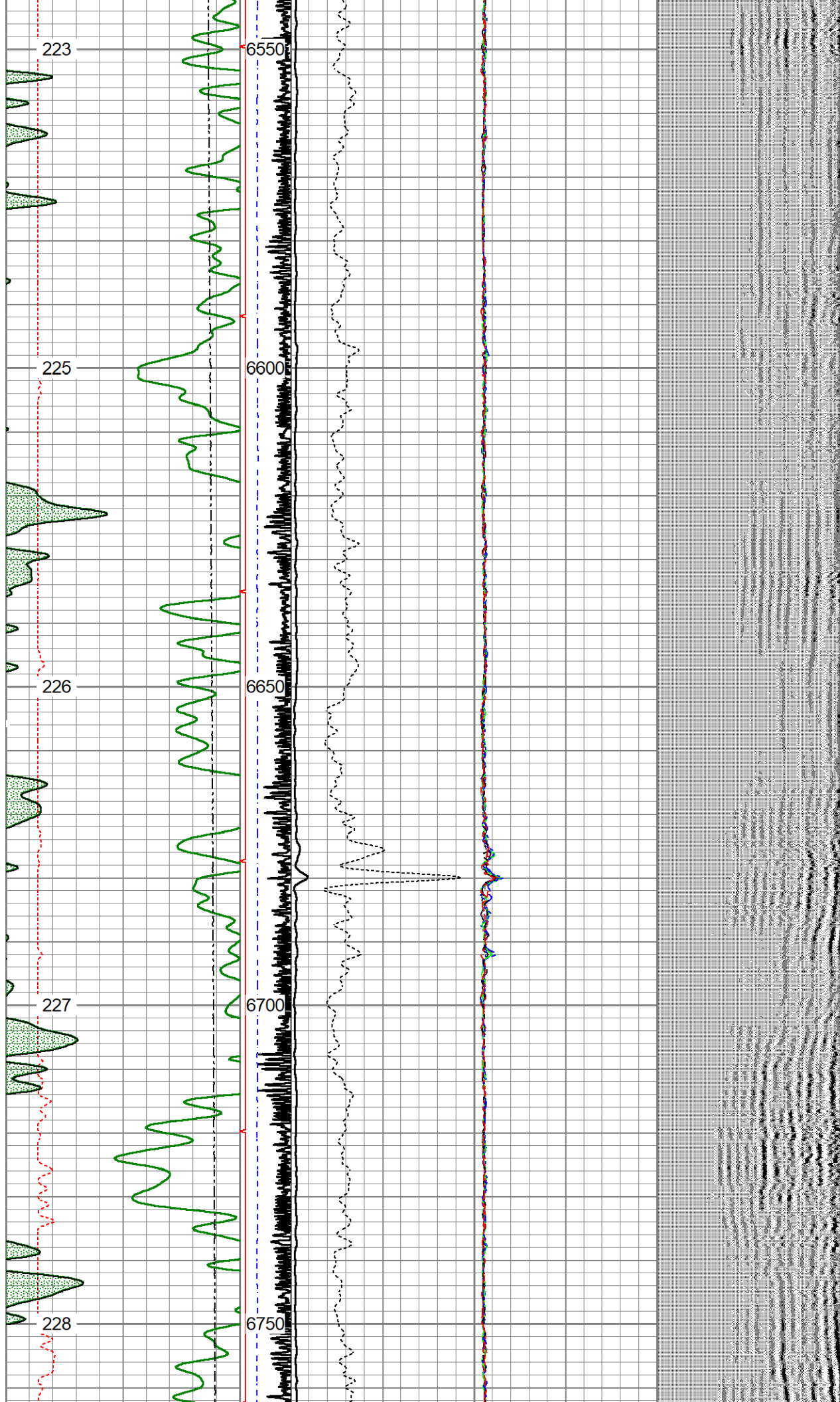


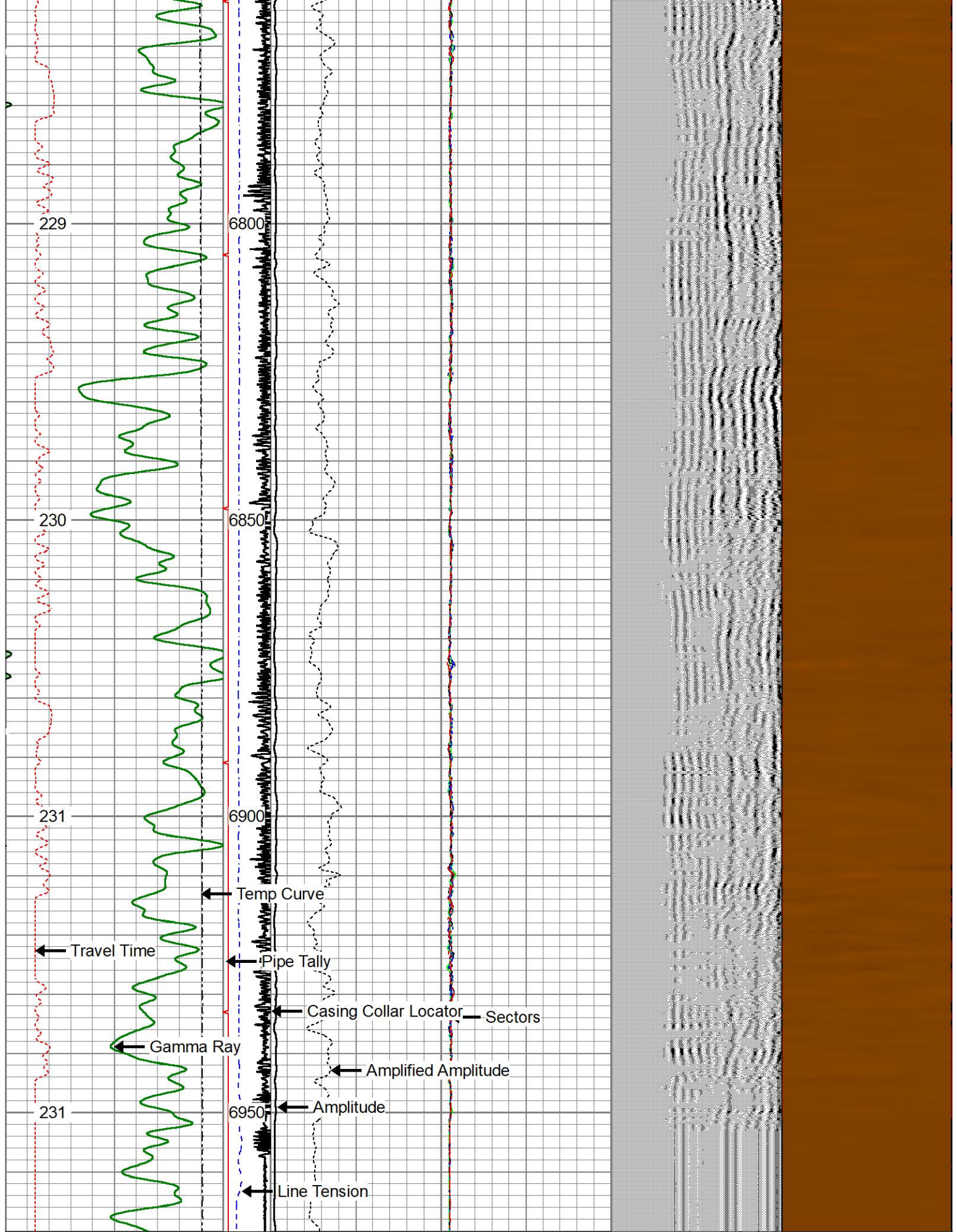




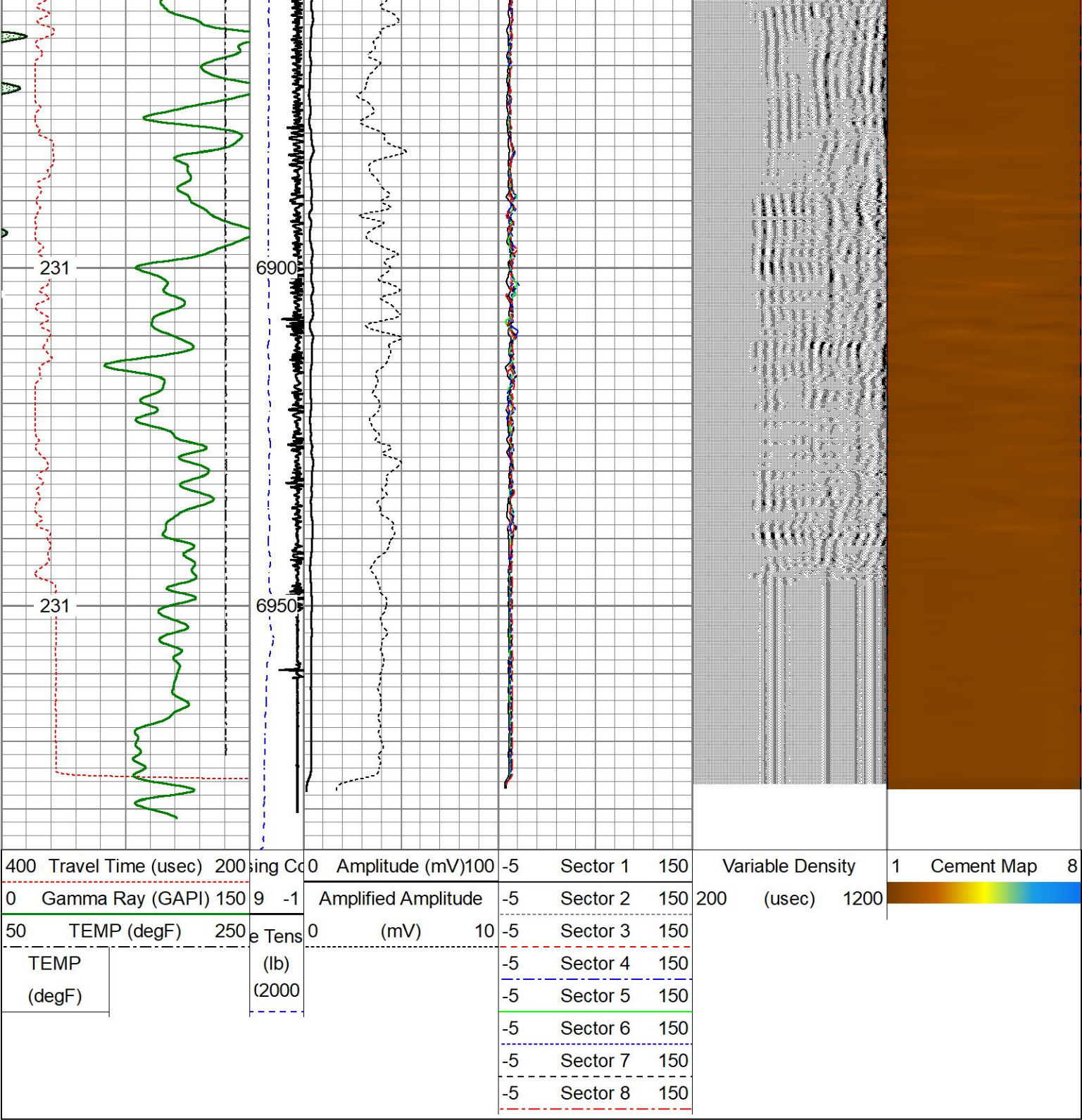










400	Travel Time (usec)	200	Casing Collar	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
0	Gamma Ray (GAPI)	150	9	-1	Amplified Amplitude	-5		Sector 2	150	200	(usec)		
50	TEMP (degF)	250	7	0	(mV)	10	5	Sector 3	150				



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
Temp	12.88		CHD-Titan Titan 1 7/16" GO Cablehead	1.00	1.44	5.00

Temp	12.66					
WVFS8	10.65			9.21	2.75	90.00
WVFS7	10.65					
WVFS6	10.65					
WVFS5	10.65					
WVFS4	10.65					
WVFS3	10.65					
WVFS2	10.65					
WVFS1	10.65					
WVFCAL	10.65					
WVF3FT	10.65					
WVF5FT	9.65					
HeadVolt	6.40					
CCL	5.44					
GR	1.42					
Dataset: guttersen cc 32-775.db: field/well/cbl1/pass1 Total length: 16.60 ft Total weight: 152.00 lb O.D.: 2.75 in						

Calibration Report		
Database File	guttersen cc 32-775.db	
Dataset Pathname	cbl1/pass1	
Dataset Creation	Mon Jun 20 15:54:33 2022	
Gamma Ray Calibration Report		
Serial Number:	080830	
Tool Model:	Probe275dig	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1306-47
Tool Model:	Probe 2.75 Radii W/Temp
Calibration Casing Diameter:	5.500 in
Calibration Depth:	417.875 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.006	0.815	1.000	71.921	86.388	1.501
CAL	-0.006	0.820				
5'	-0.010	0.738	1.000	71.921	94.805	1.942
SUM						
S1	-0.013	0.829	0.000	100.000	118.758	1.541
S2	-0.009	0.858	0.000	100.000	115.298	1.028
S3	-0.010	0.846	0.000	100.000	116.895	1.133
S4	-0.014	0.848	0.000	100.000	116.086	1.574
S5	-0.009	0.838	0.000	100.000	118.017	1.105
S6	-0.010	0.822	0.000	100.000	120.198	1.155
S7	-0.007	0.817	0.000	100.000	121.490	0.802
S8	-0.007	0.823	0.000	100.000	120.399	0.891

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.006	0.820	1.000	0.000

Air Zero Calibration, performed Mon Jun 20 13:09:50 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



Company	CHEVRON
Well	GUTTERSEN CC 32-775
Field	WATTENBERG
County	WELD

 Energy Services

County

 COLORADO

State

Country

USA