



RADIAL CEMENT BOND LOG
GAMMA RAY
CCL

Company	KERR-MCGEE OIL AND GAS	Location:	API # : 05-123-44228	Other Services
Well	ROCKY 20N-33HZ		SHL: 257 FNL & 541' FEL NE/NE	
Field	WATTERBERG			
County	WELD			
State	CO			
Permanent Datum	SEC 33 TWP 2N RGE 65W	Elevation	4929'	Elevation
Log Measured From	KB 17'			K.B. 4946'
Drilling Measured From	KB			D.F. 4945'
				G.L. 4929'

Date	10-22-2017
Run Number	ONE
Depth Driller	12232'
Depth Logger	7469'
Bottom Logged Interval	7469'
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	227
Estimated Cement Top	867'
Time Well Ready	NA
Time Logger on Bottom	NA
Equipment Number	62
Location	WINDSOR, COLORADO
Recorded By	A.STEERMAN
Witnessed By	B.OLEARAIN

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	26	SURFACE	97'				
TWO	13.5	97'	1887'				
THREE	7.88	1887'	12232'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.63"	36#	SURFACE	1837'
Prot. String				
Production String	5.5"	17#	SURFACE	12222'
Liner				

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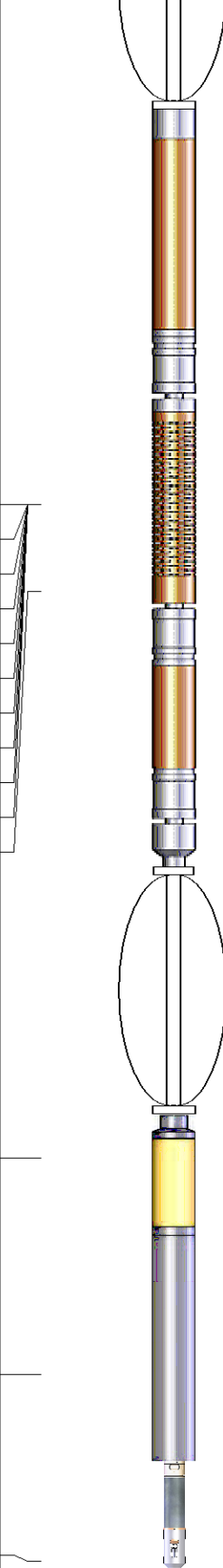
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

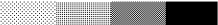

RAN CEMENT BOND LOG TO VERIFY CEMENT
LOGGED UNDER 2800 PSI
CORRELATED TO SHORT JOINT @ 6450'
SHIFTED DOWN HOLE 3 FEET

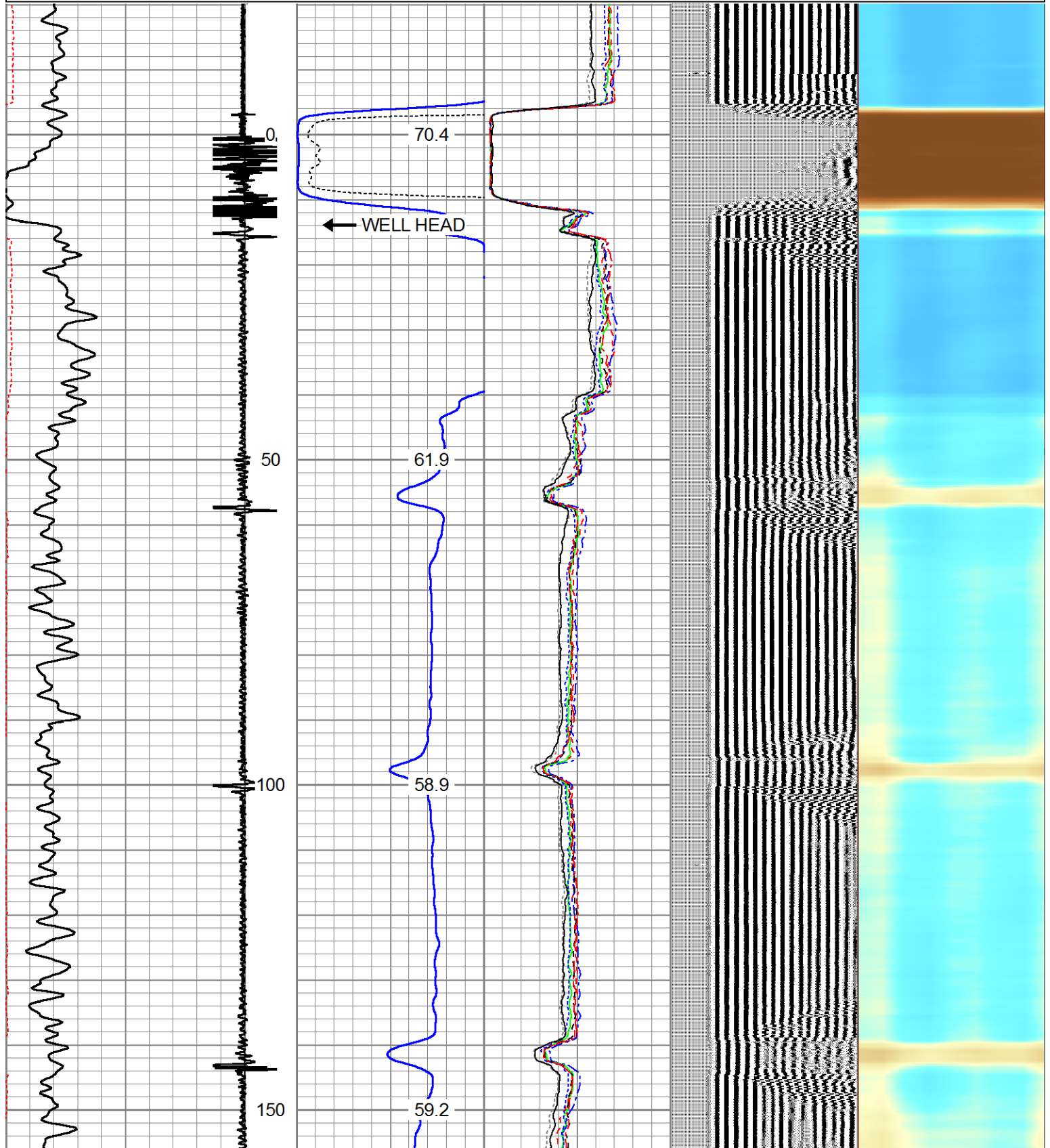
THANK YOU USING CUTTERS WIRELINE

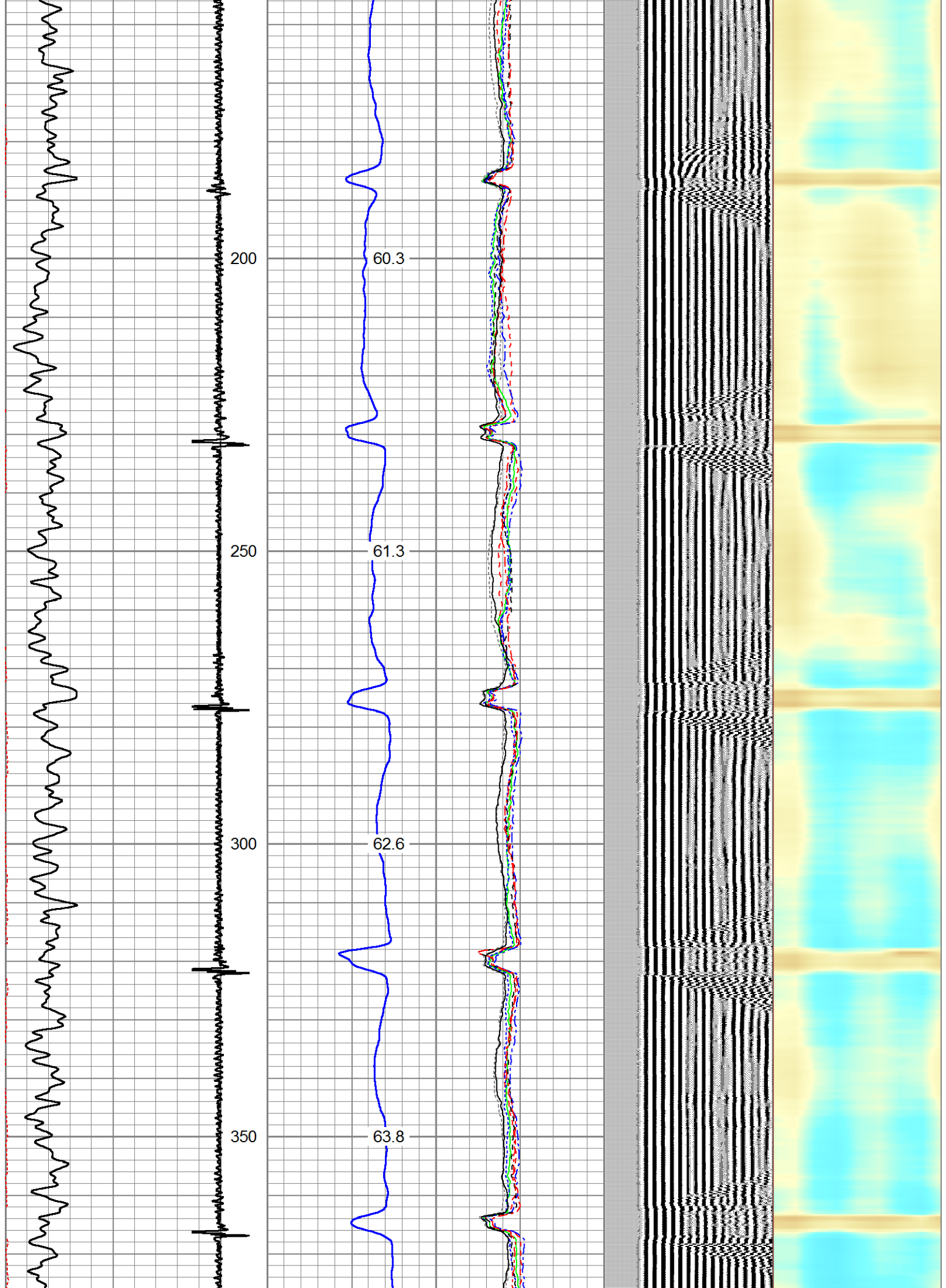
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Probe	2.88	2.75	20.00

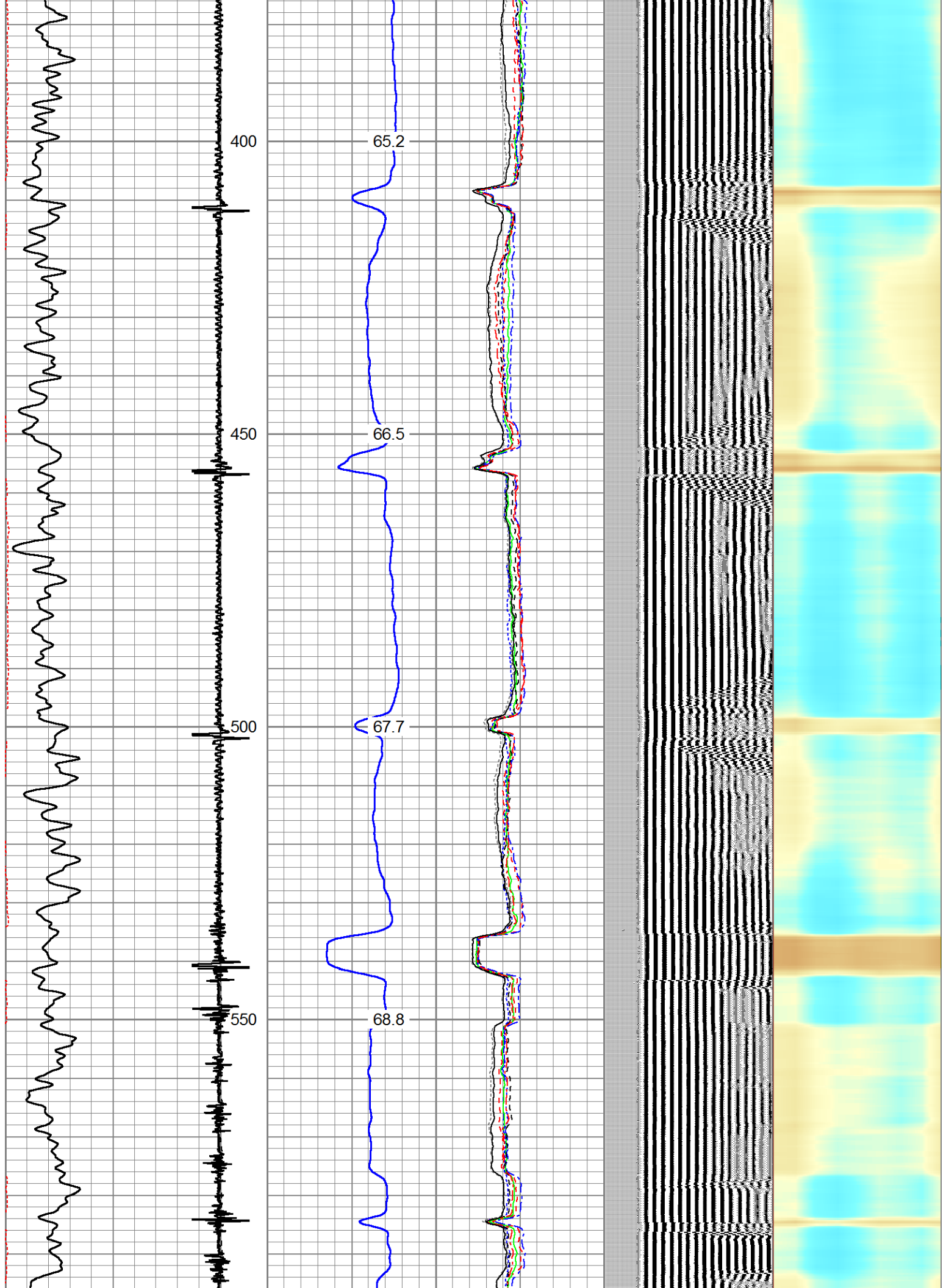
			Probe 2 3/4 Centralizer			
WVF3FT	12.31		RBT-Probe (060112_55) Probe 2.75" Radii Bond Tool	8.75	2.75	90.00
WVFCAL	12.31					
WVFS1	12.31					
WVFS2	12.31					
WVFS3	12.31					
WVFS4	12.31					
WVFS5	12.31					
WVFS6	12.31					
WVFS7	12.31					
WVFS8	12.31					
WVF5FT	11.31					
			Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
CCL	4.75					
			GR-Probe (060109) Probe 2.75" 4 Channel Pulse	4.00	2.75	30.00
GR	2.25					
			TEMP-1.375TEMP (060110) Temperature Tool	1.25	1.38	30.00
TEMP	0.08					
Dataset: rocky 20n-33hz.db: field/well/run1/pass7 Total Length: 19.75 ft Total Weight: 190.00 lb O.D. 2.75 in						

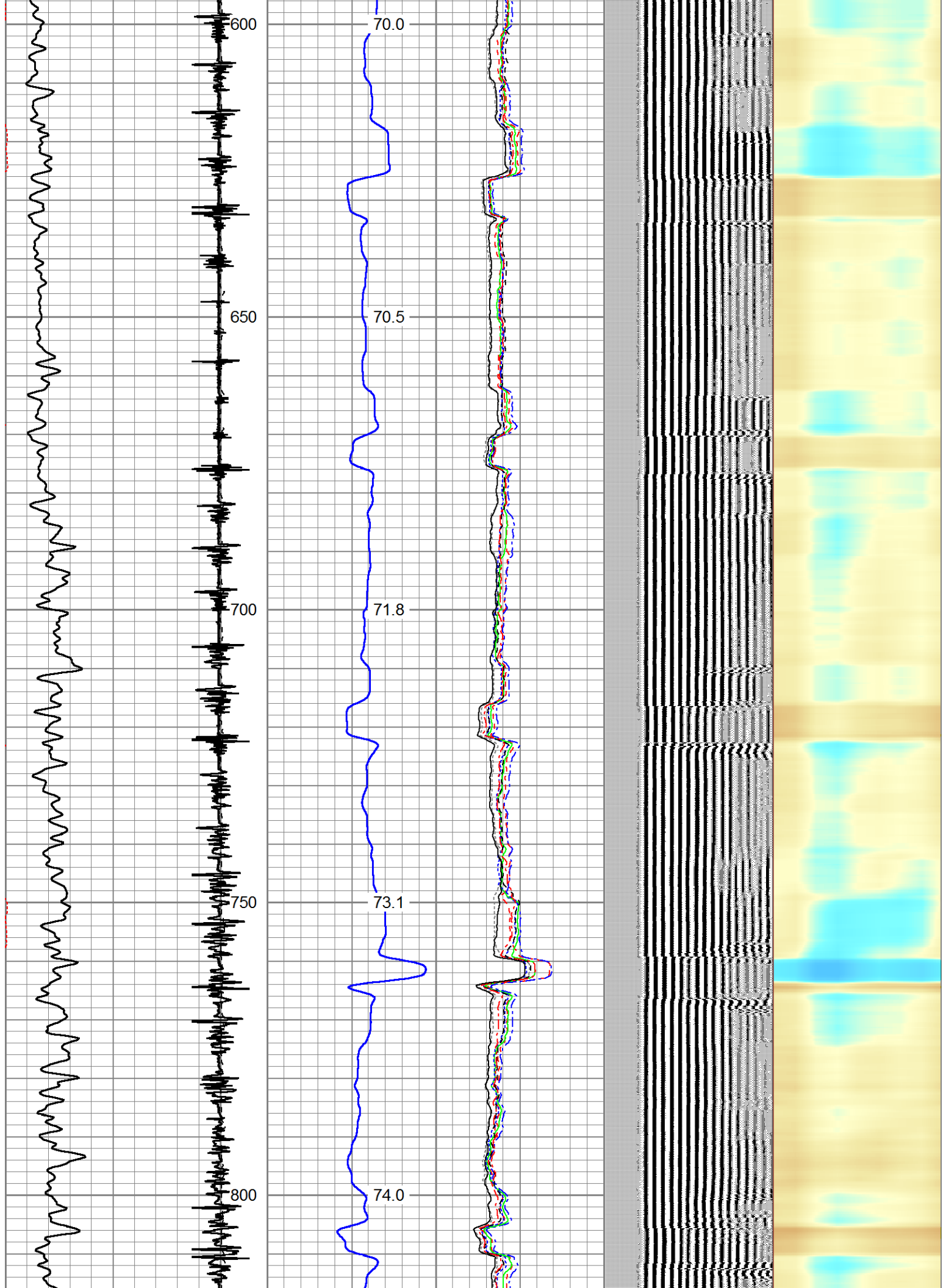
Database File: rocky 20n-33hz.db
 Dataset Pathname: pass7
 Presentation Format: rbl55
 Dataset Creation: Sun Oct 22 11:11:51 2017 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

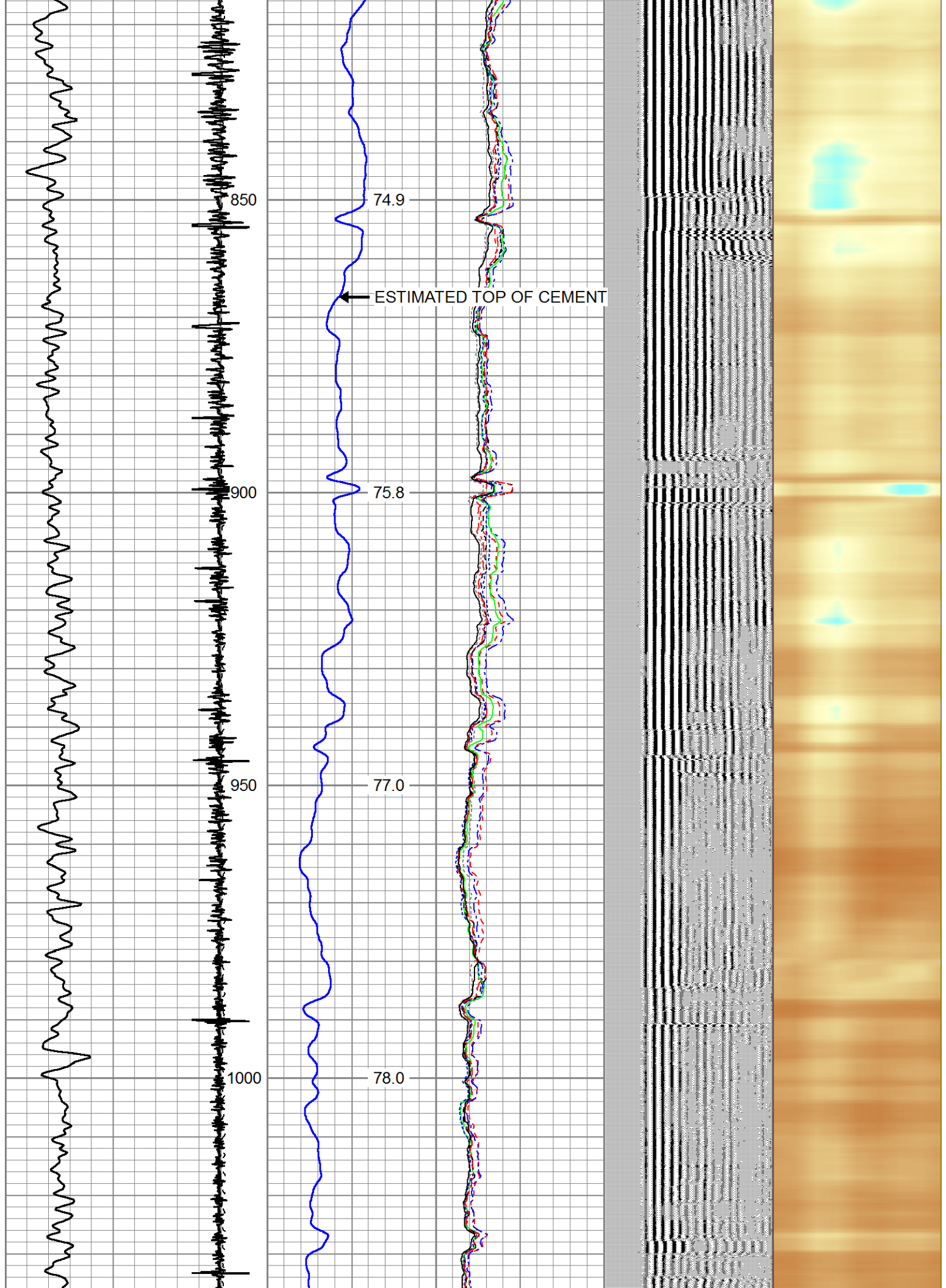
Charted by:			Depth in Feet scaled 1.240												
325	TT (usec)	225	LTEN	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map		
0	GR (GAPI)	250	(lb)		Amplified Amplitude		-5	AMPS3	150					1	100
			CCL	000	0	(mV)	10	-5	AMPS4	150					
					TEMP		-5	AMPS5	150						
					(degF)		-5	AMPS6	150						
							-5	AMPS7	150						
							-5	AMPS8	150						
							-5	AMPS1	150						

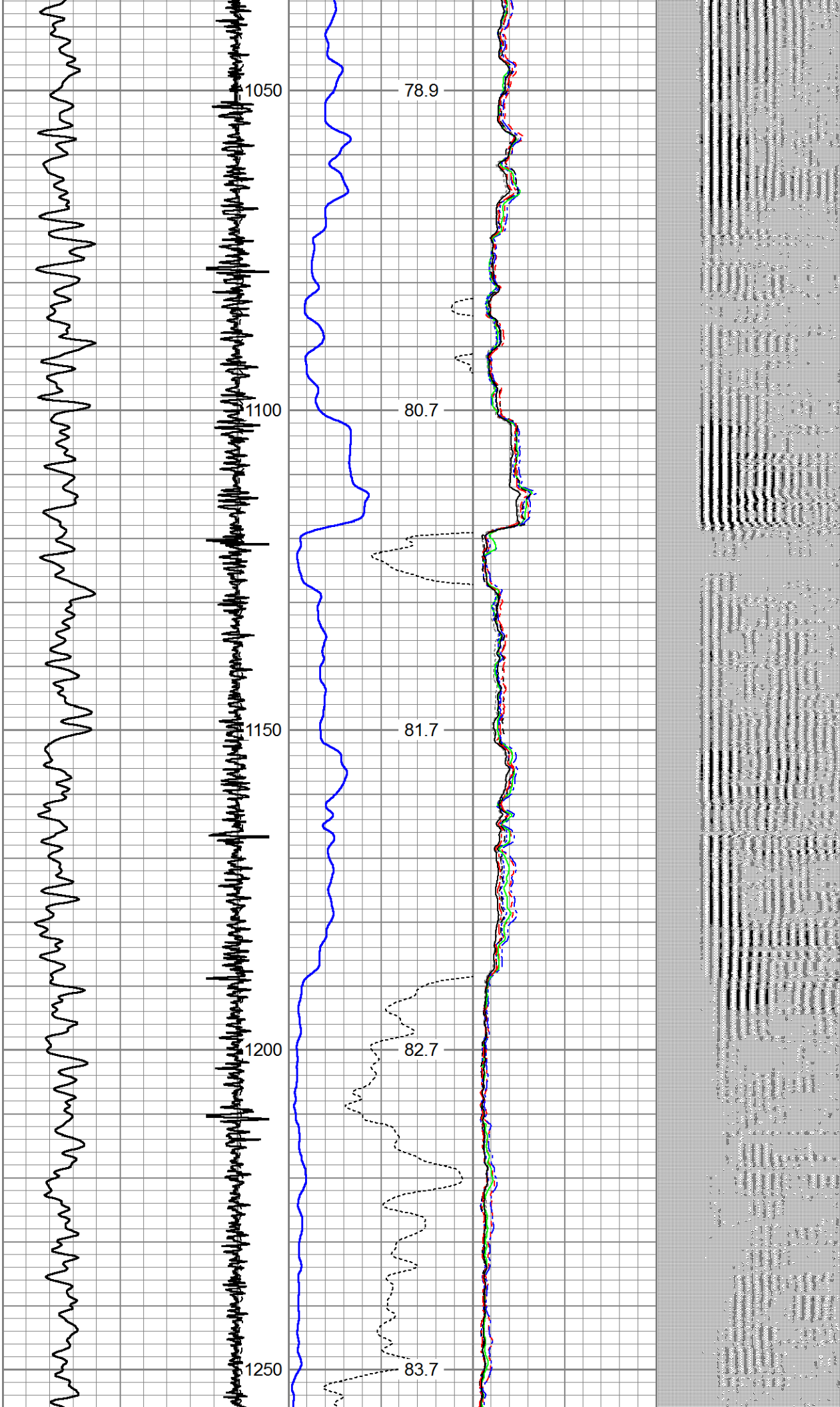


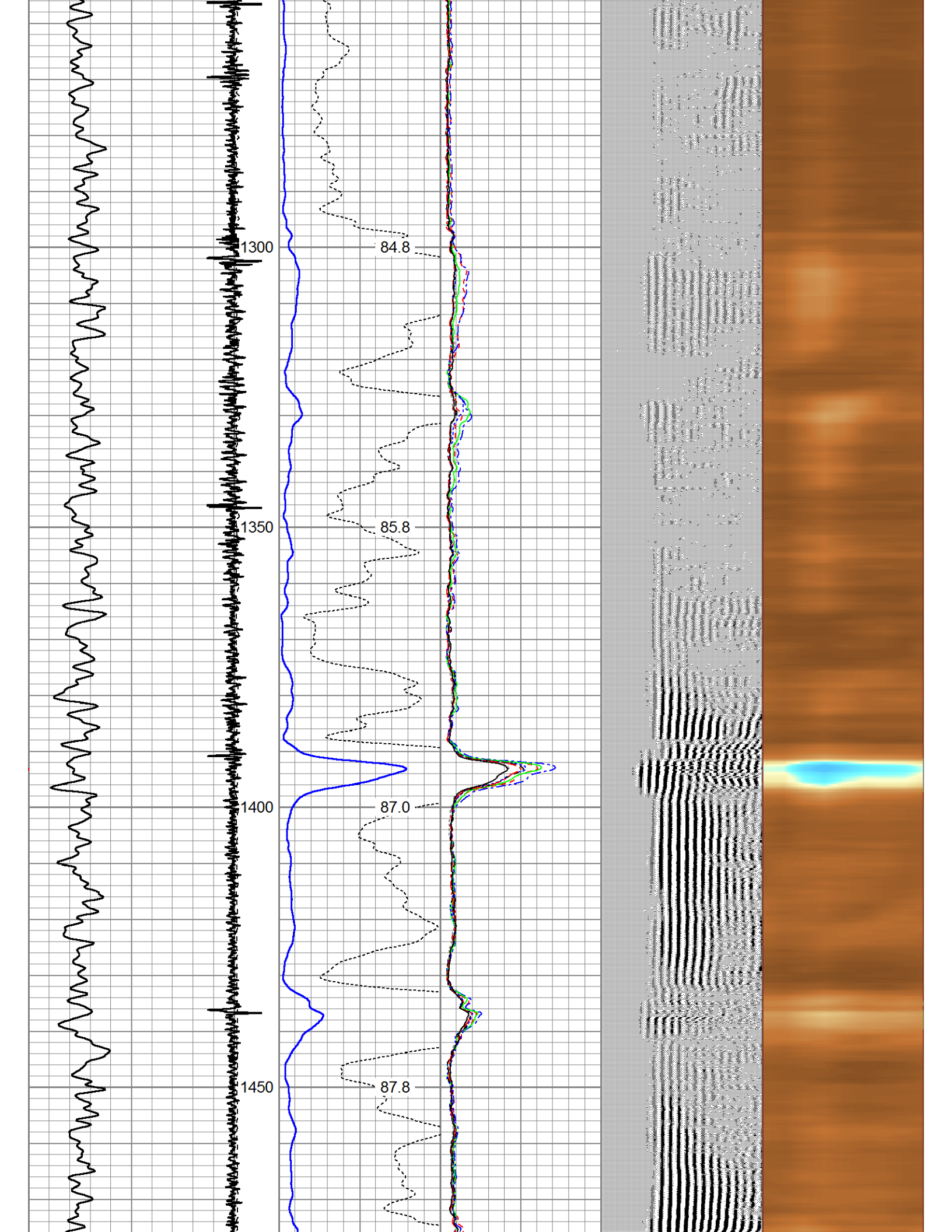


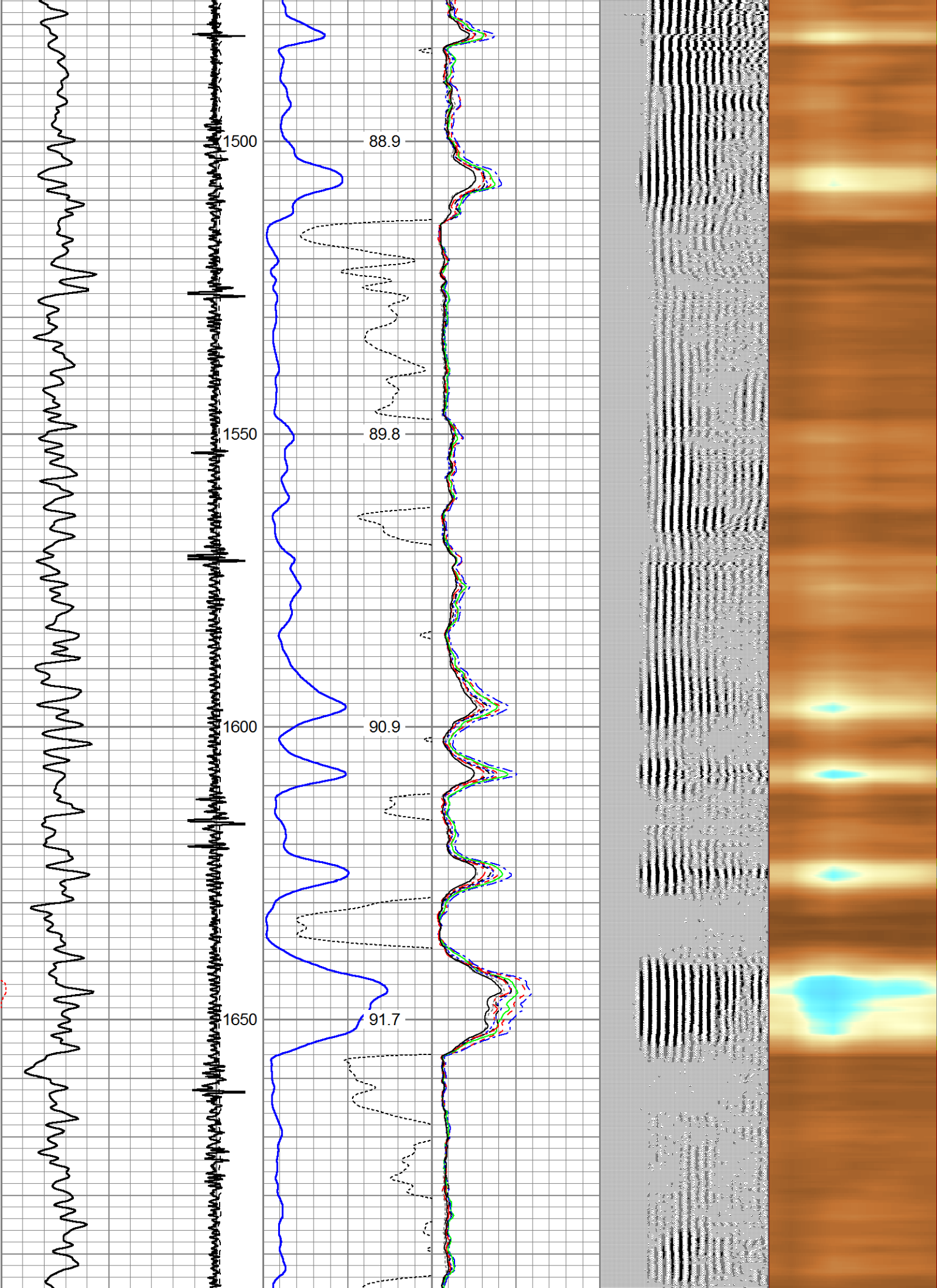


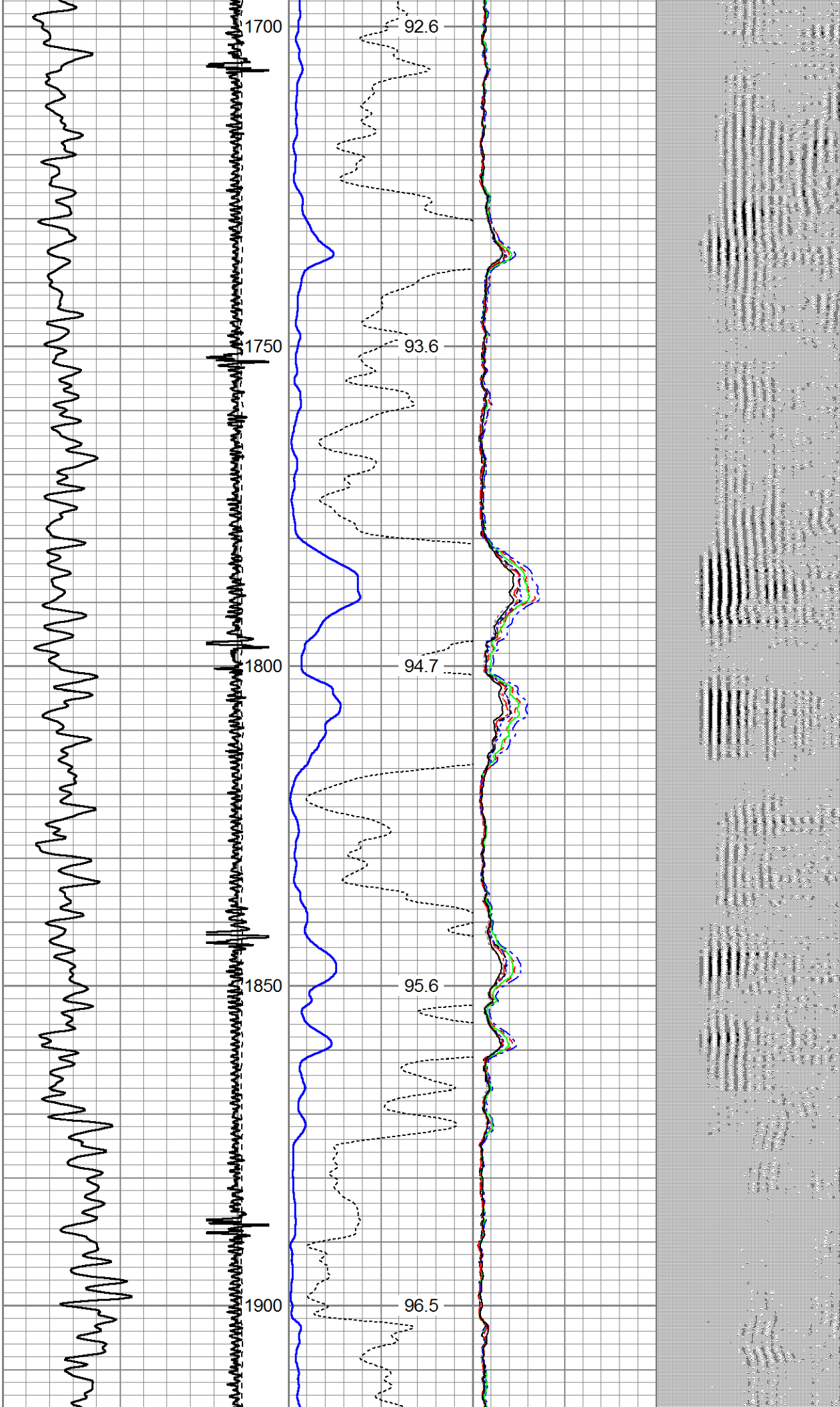


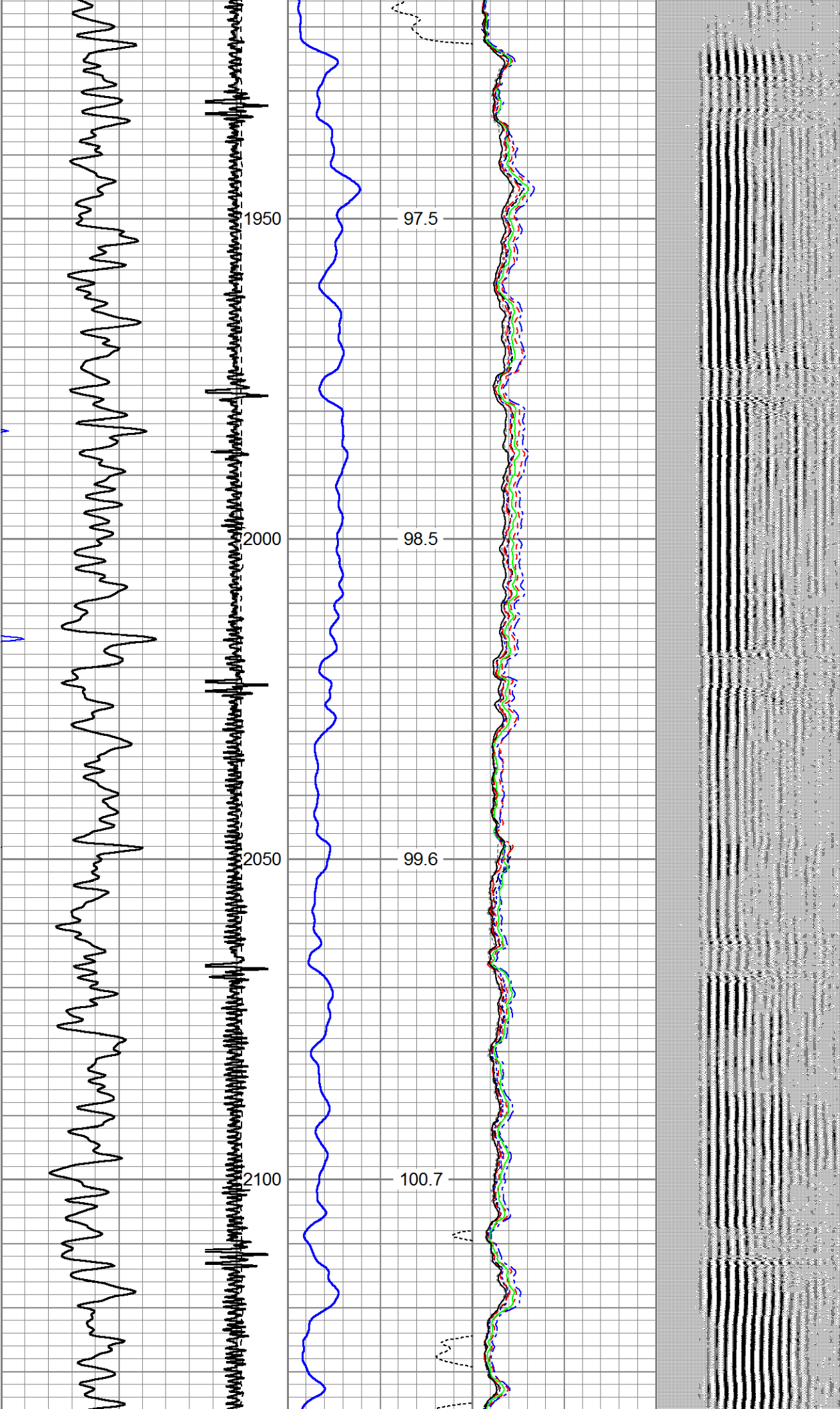


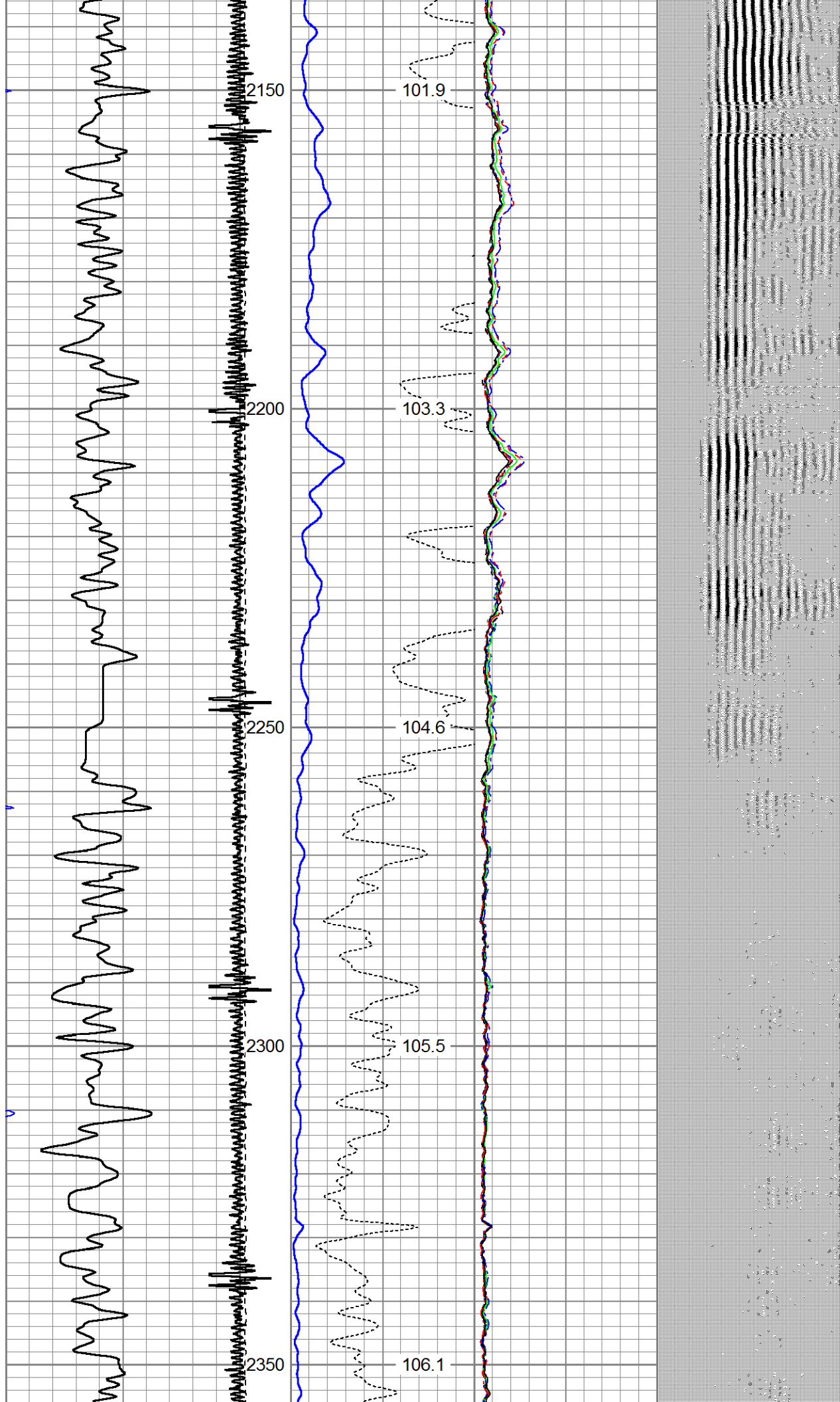


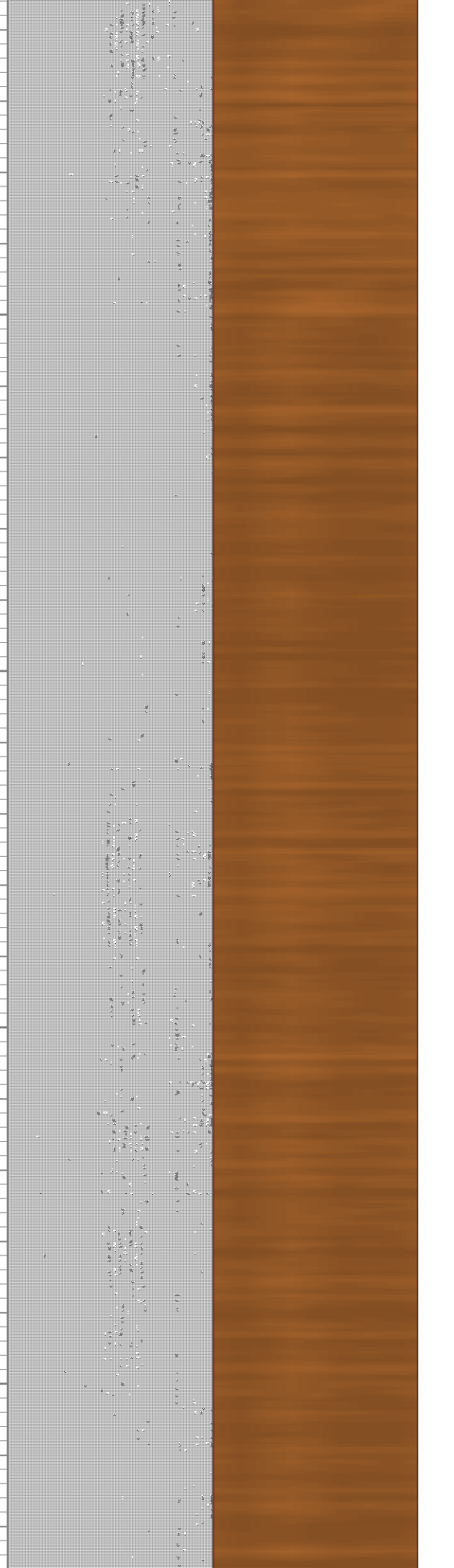
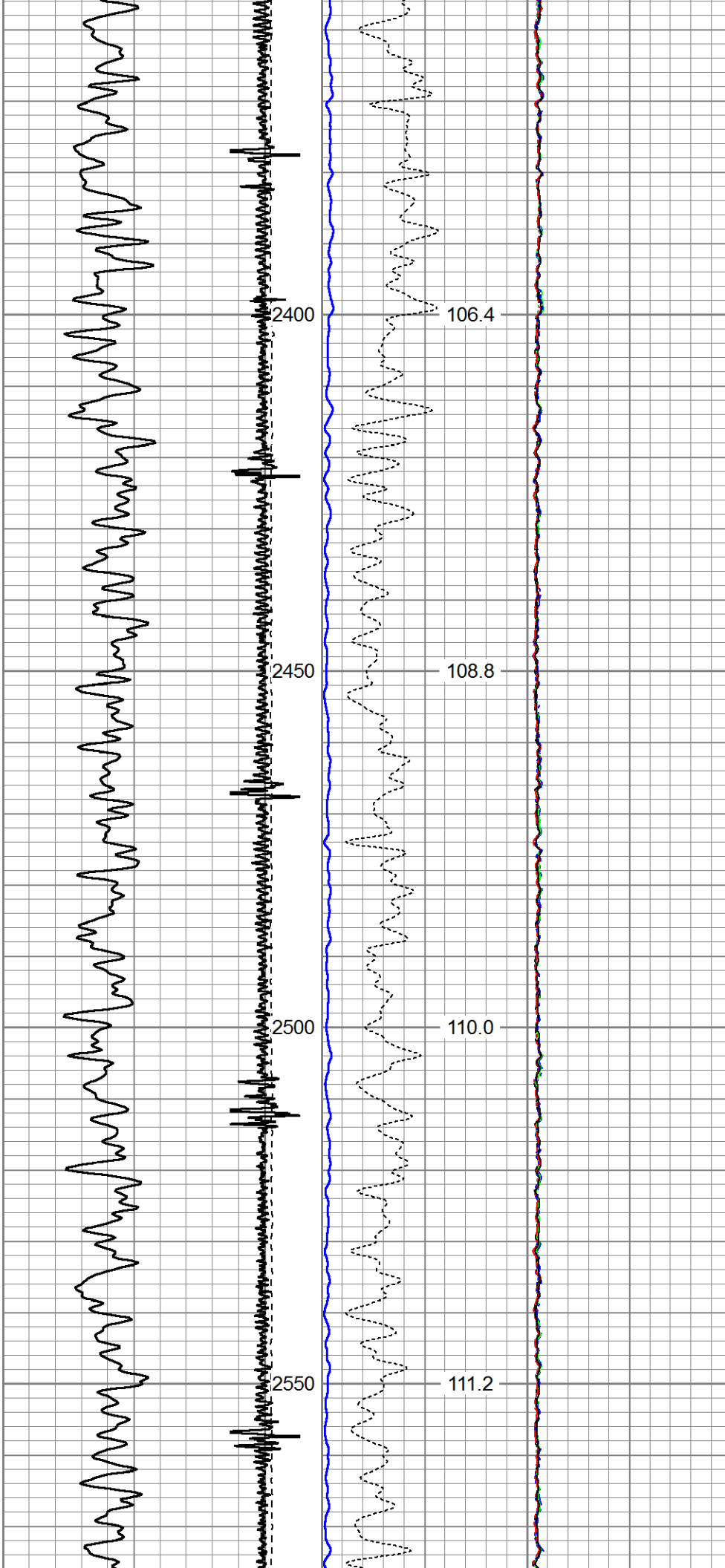


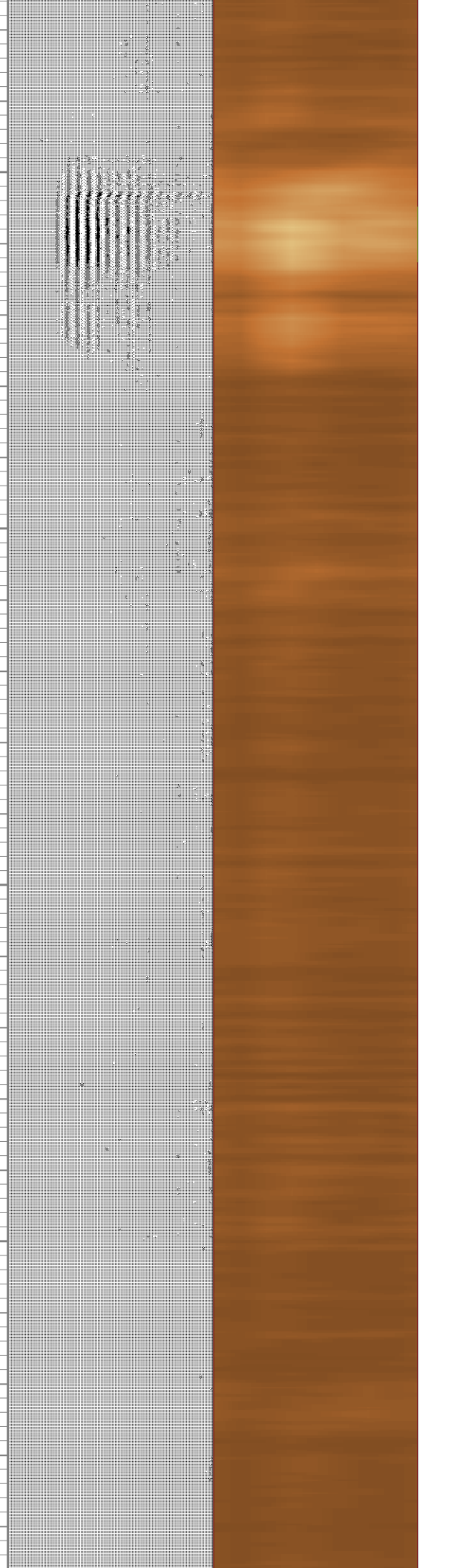
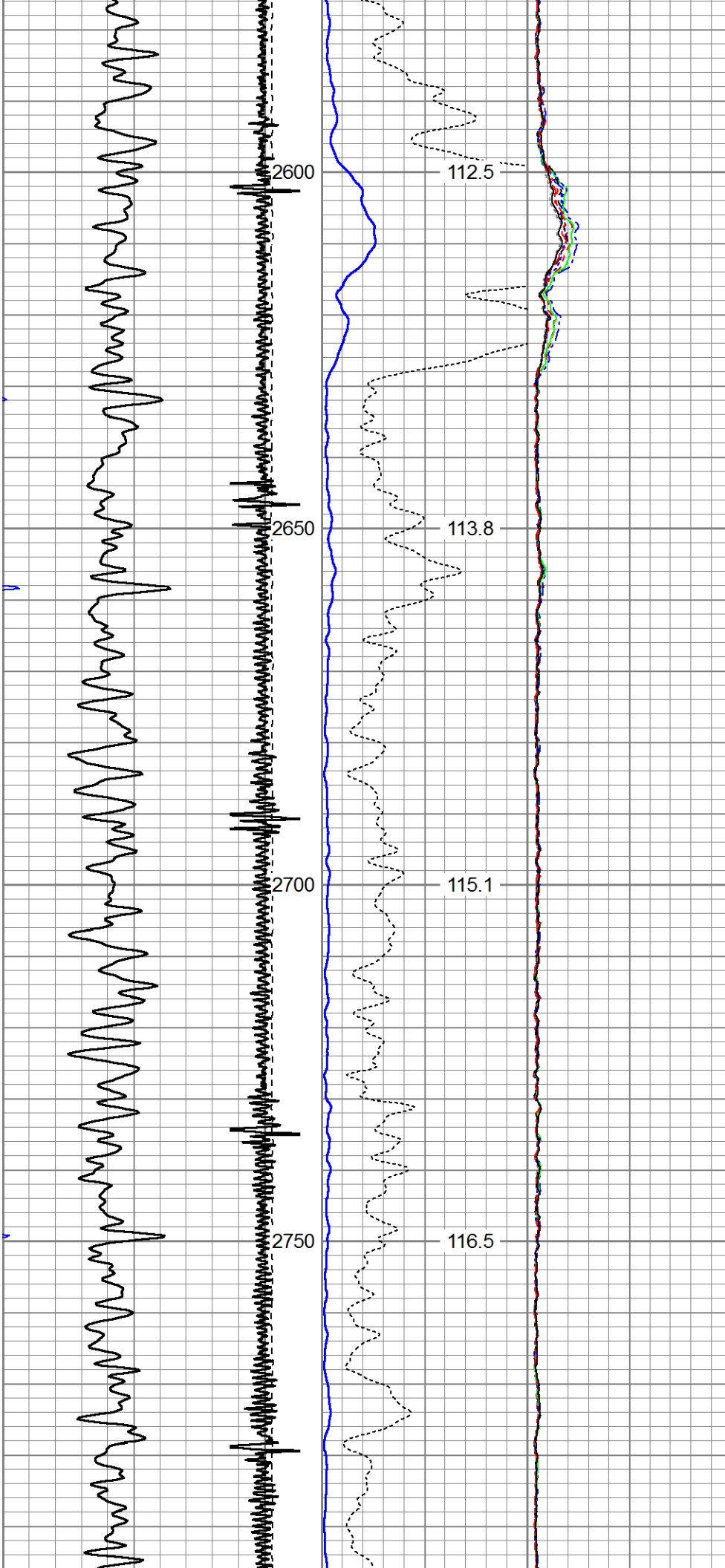


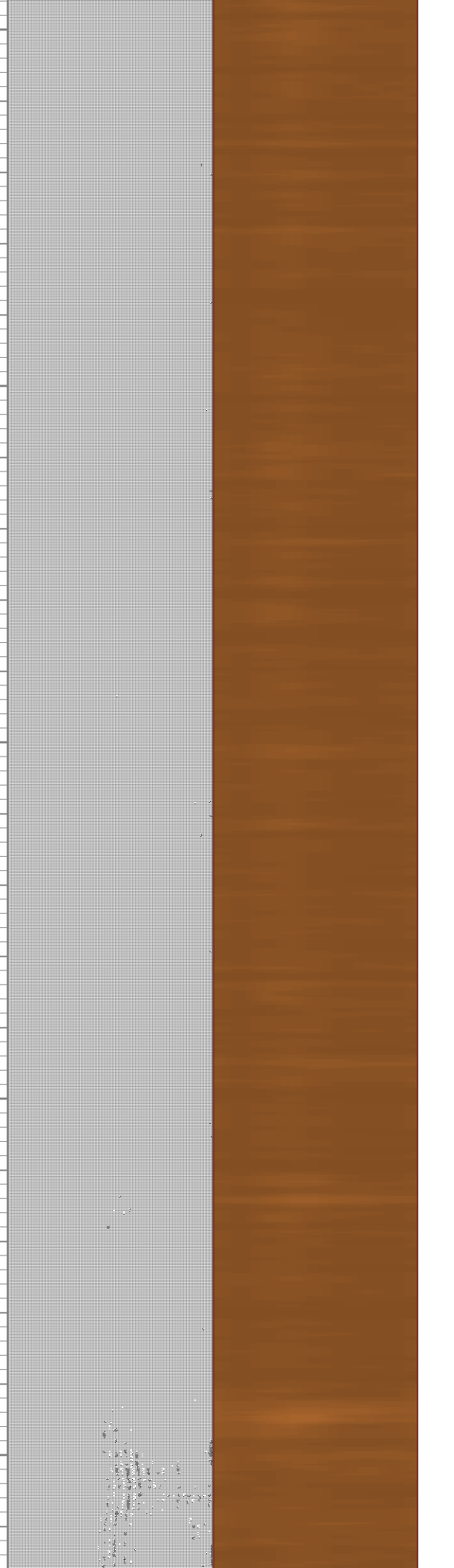
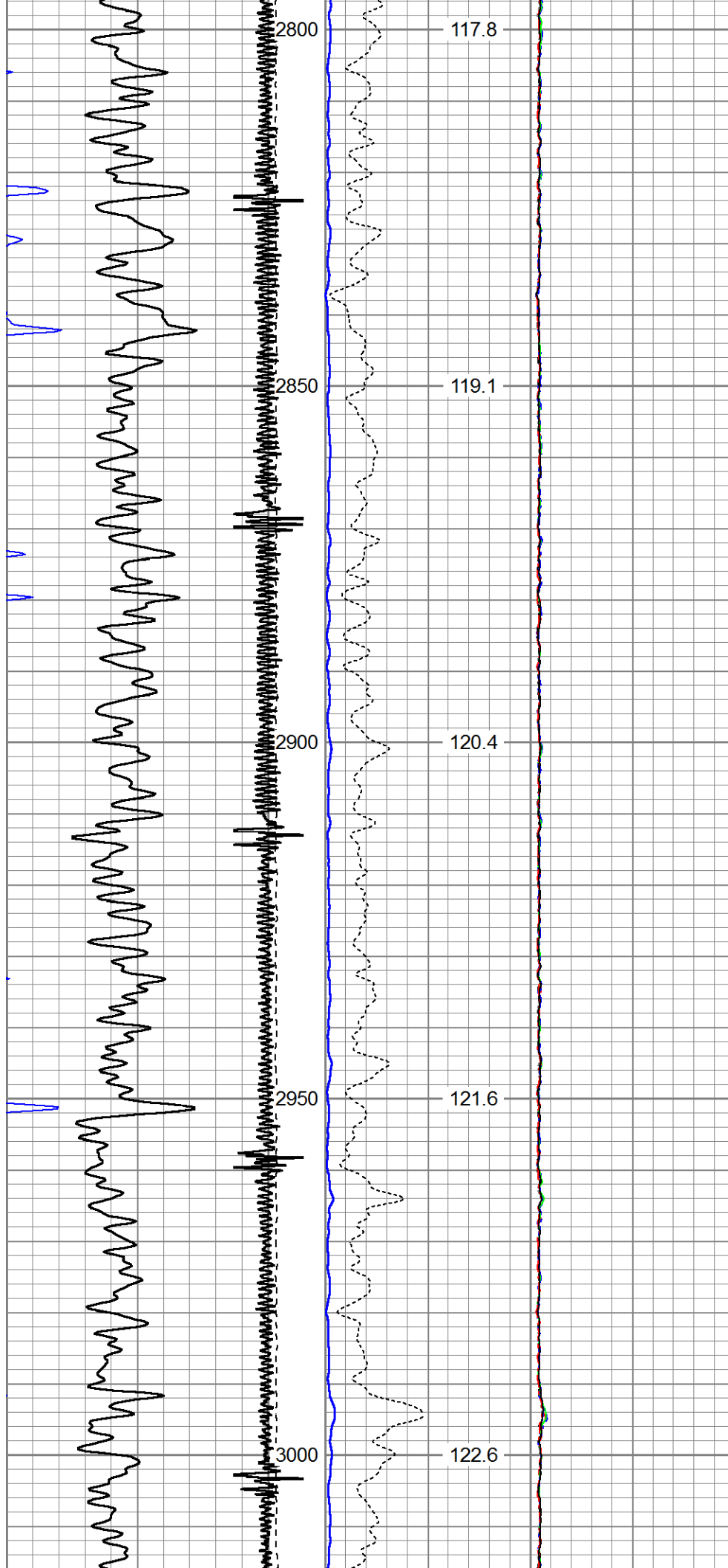


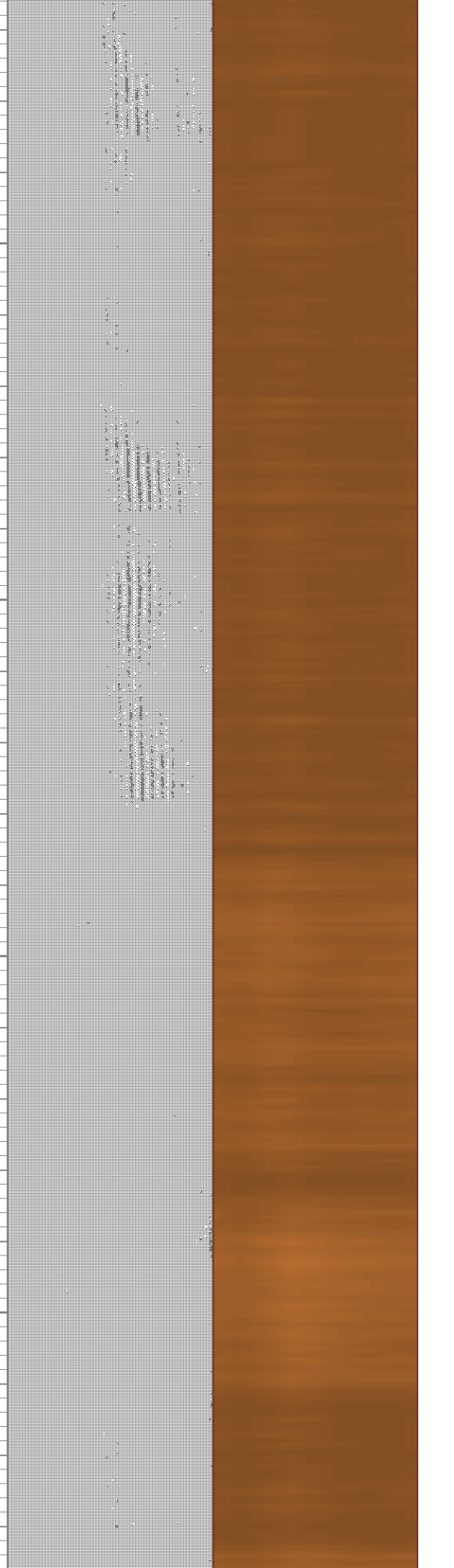
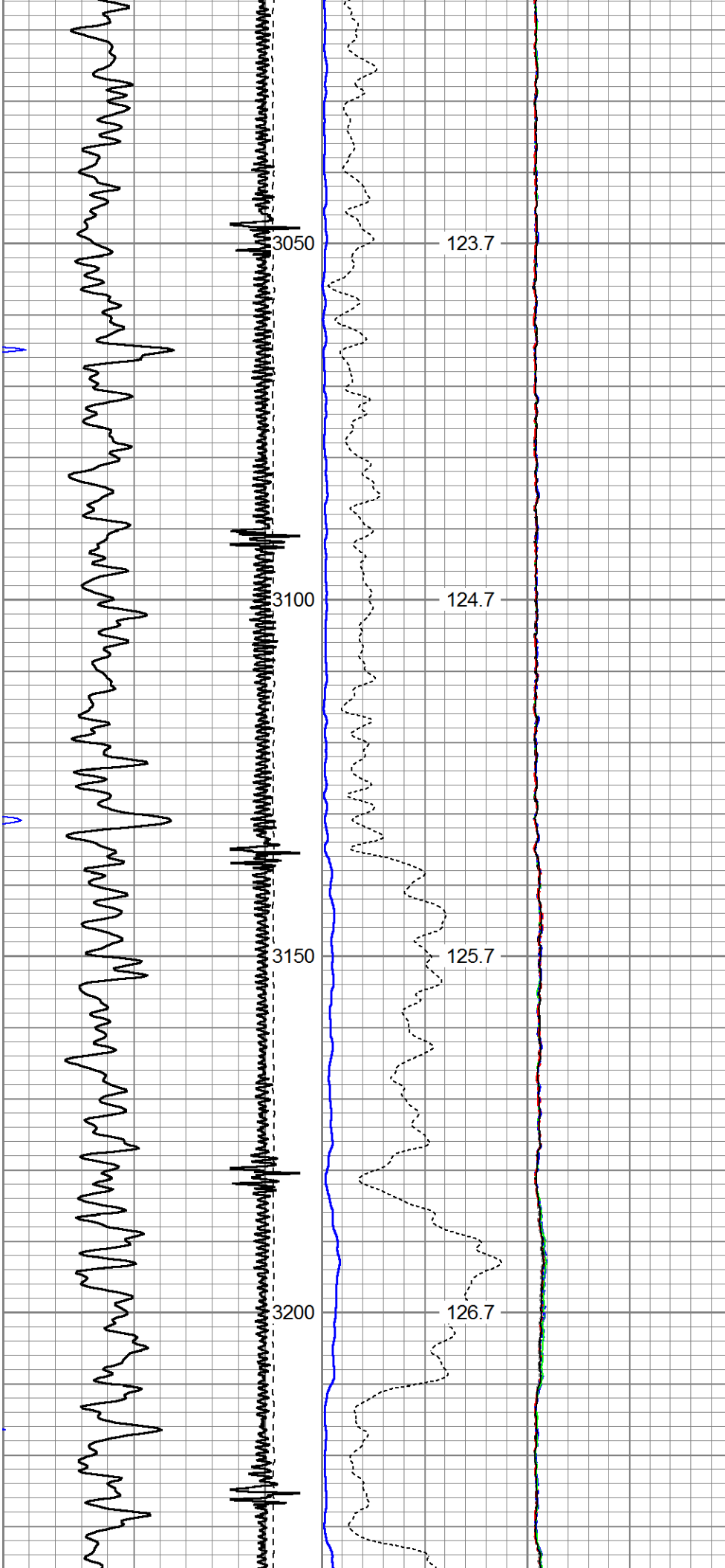


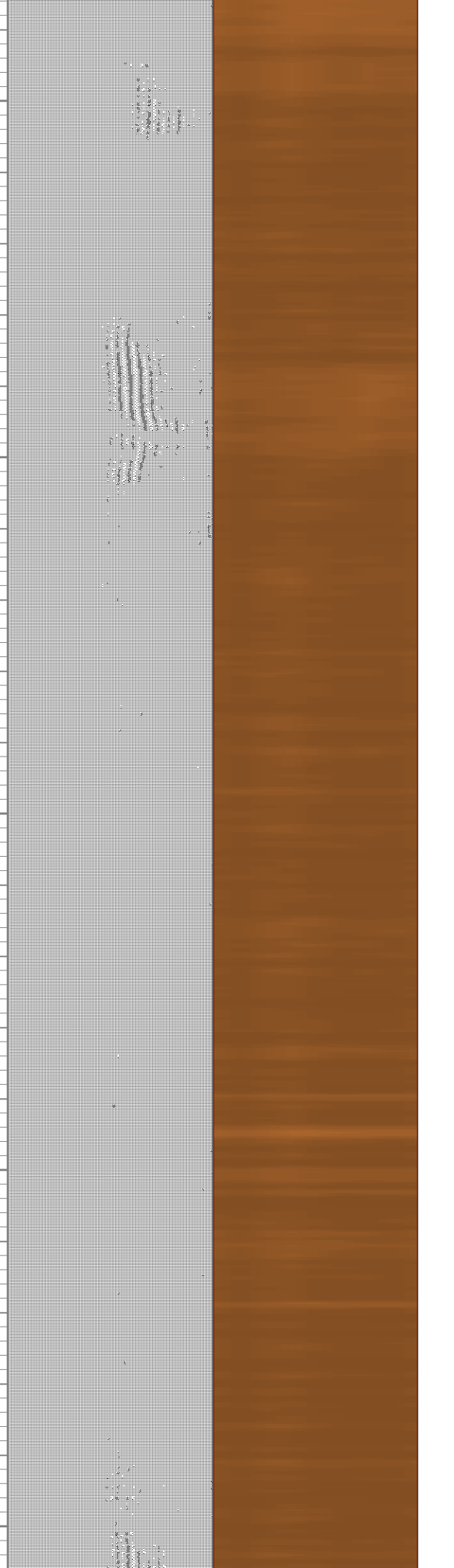
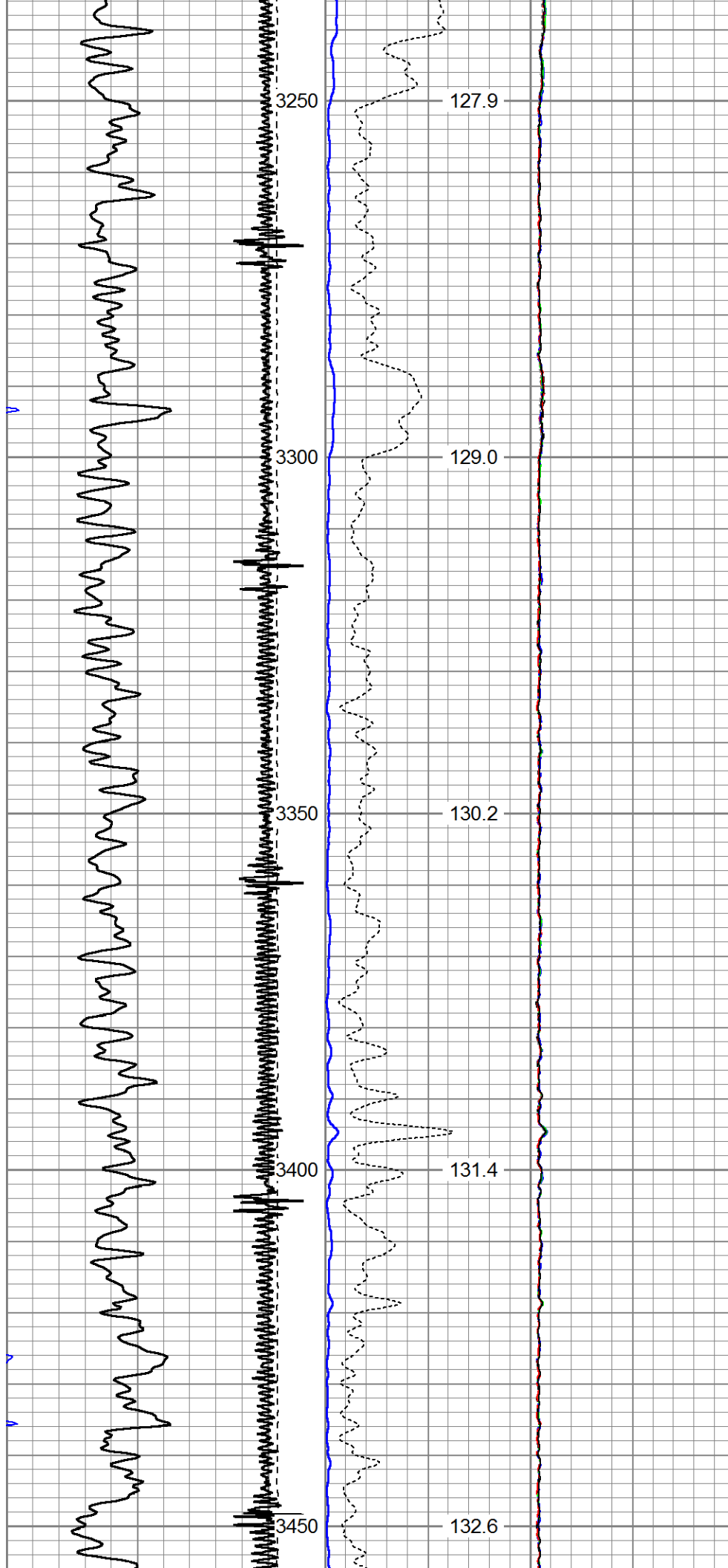


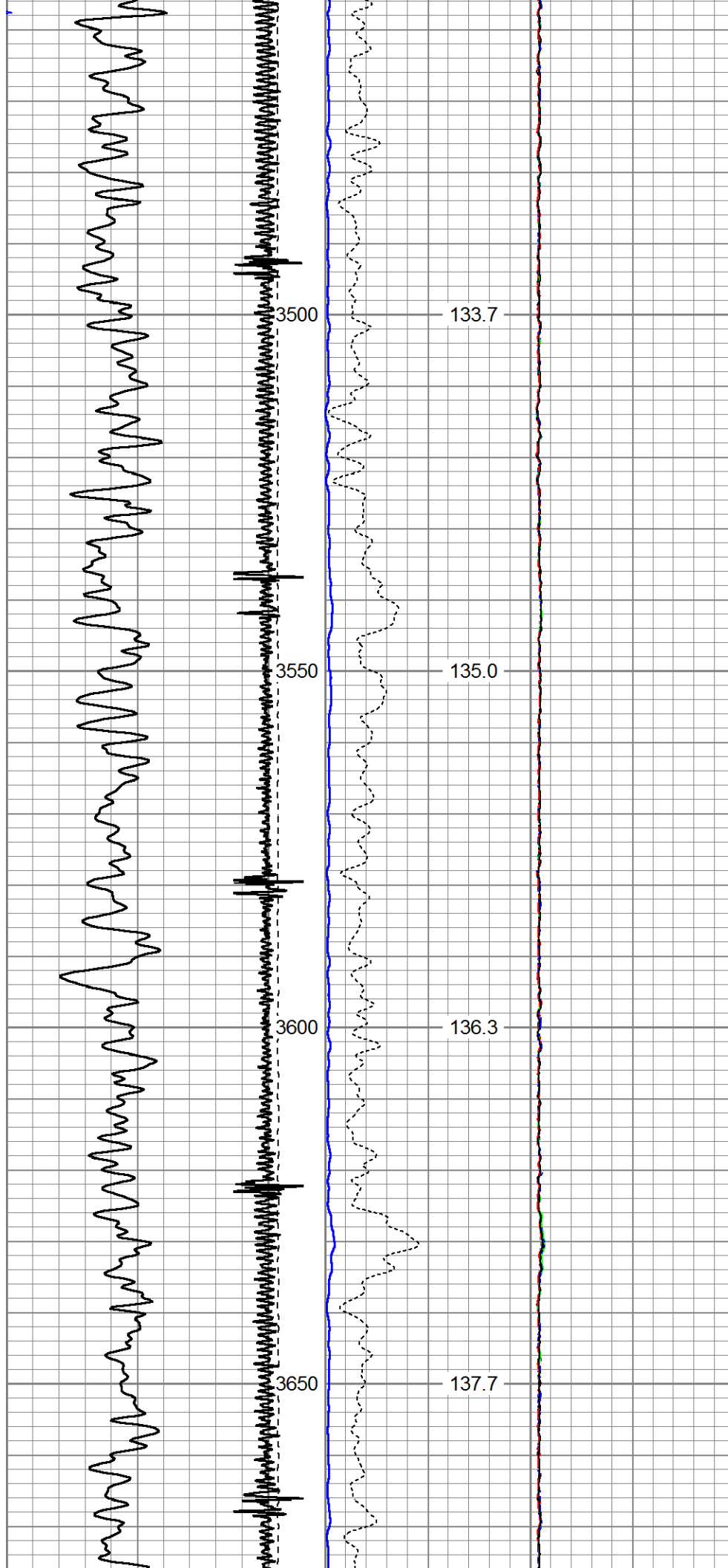


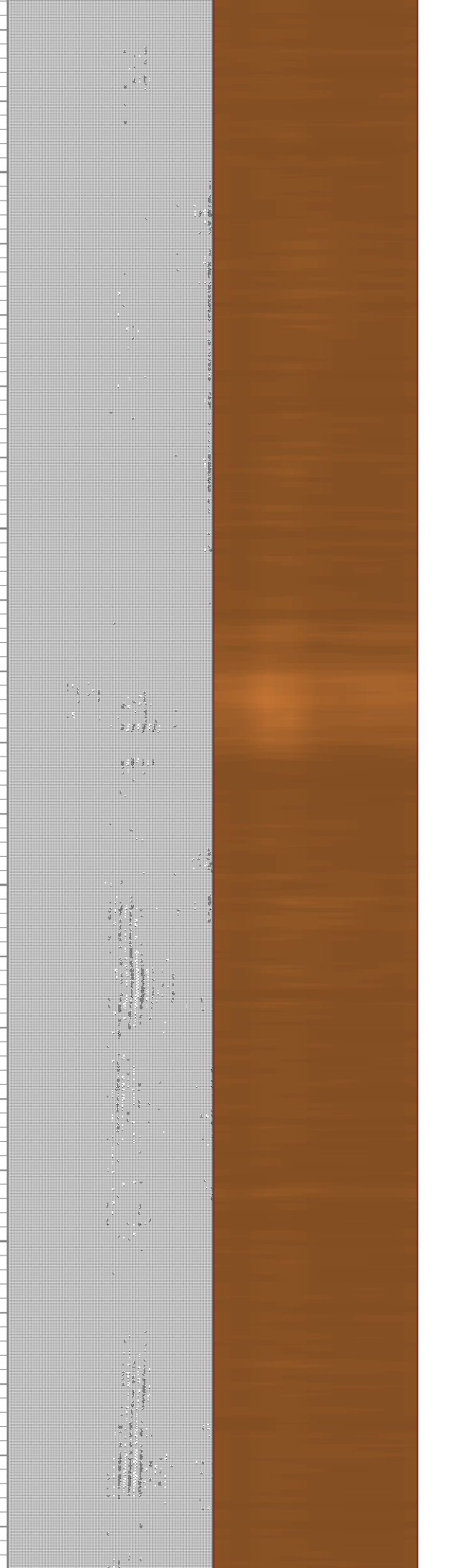
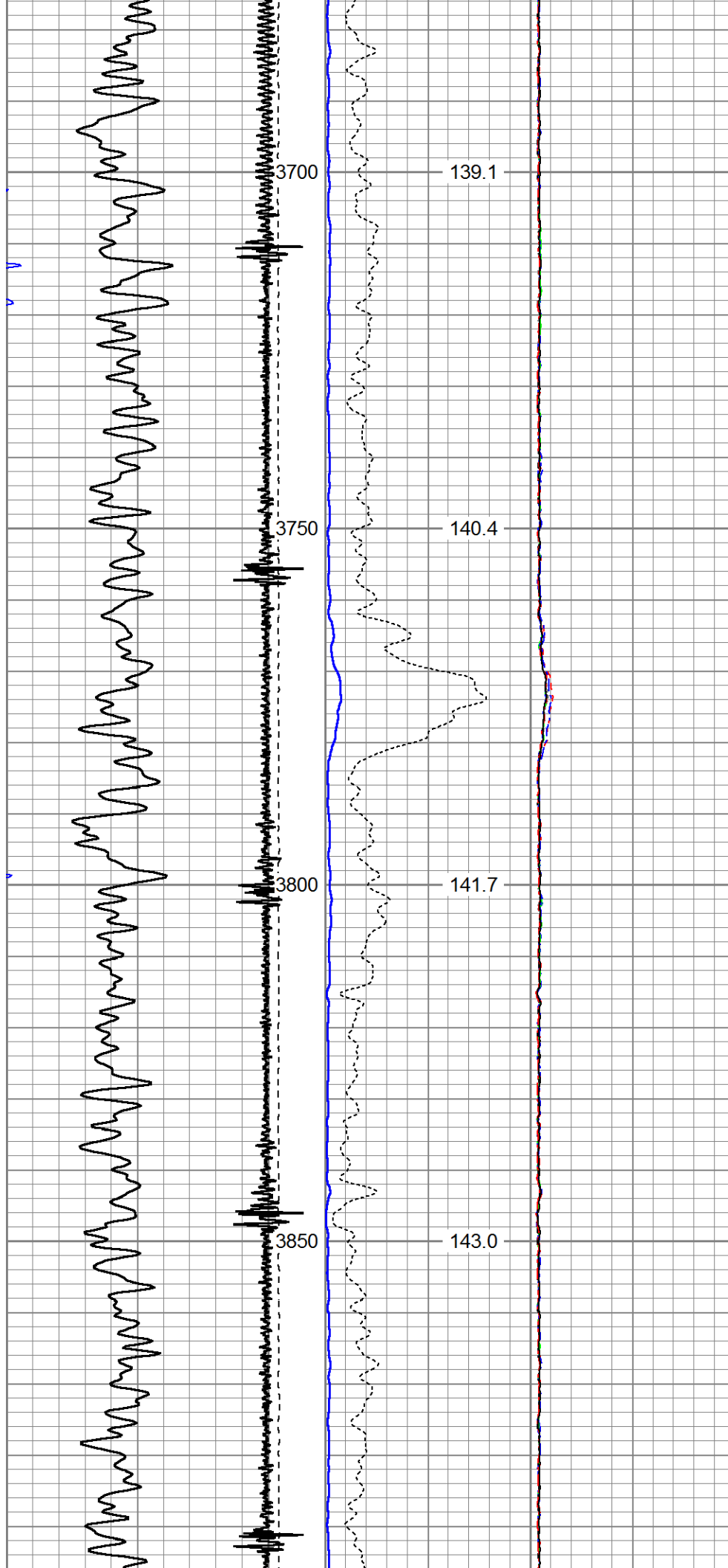


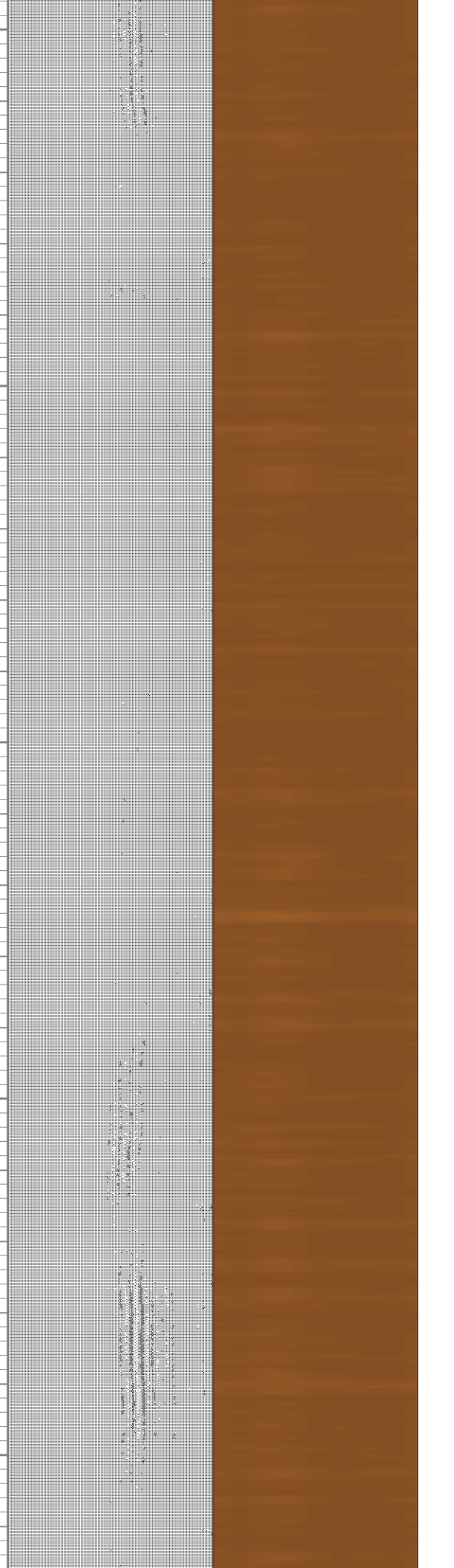
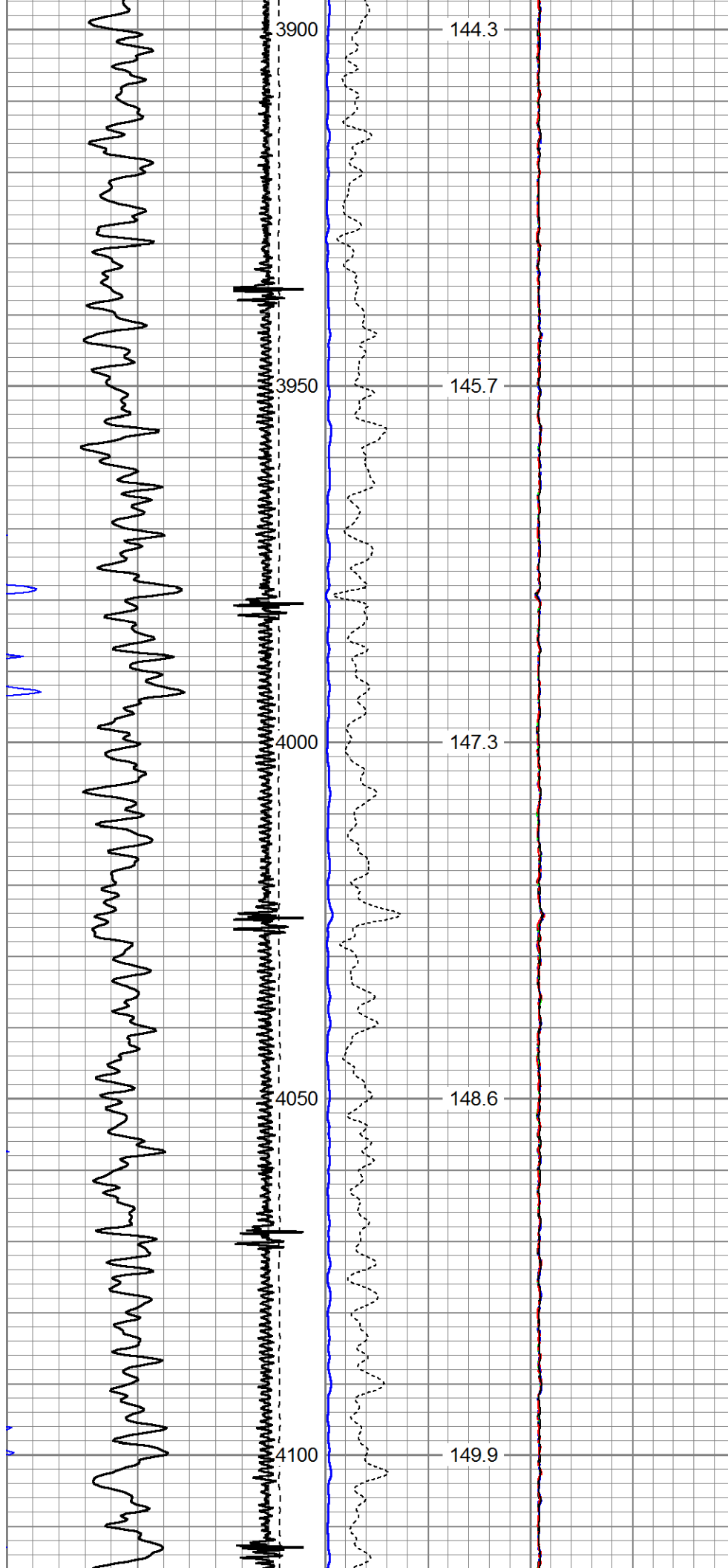


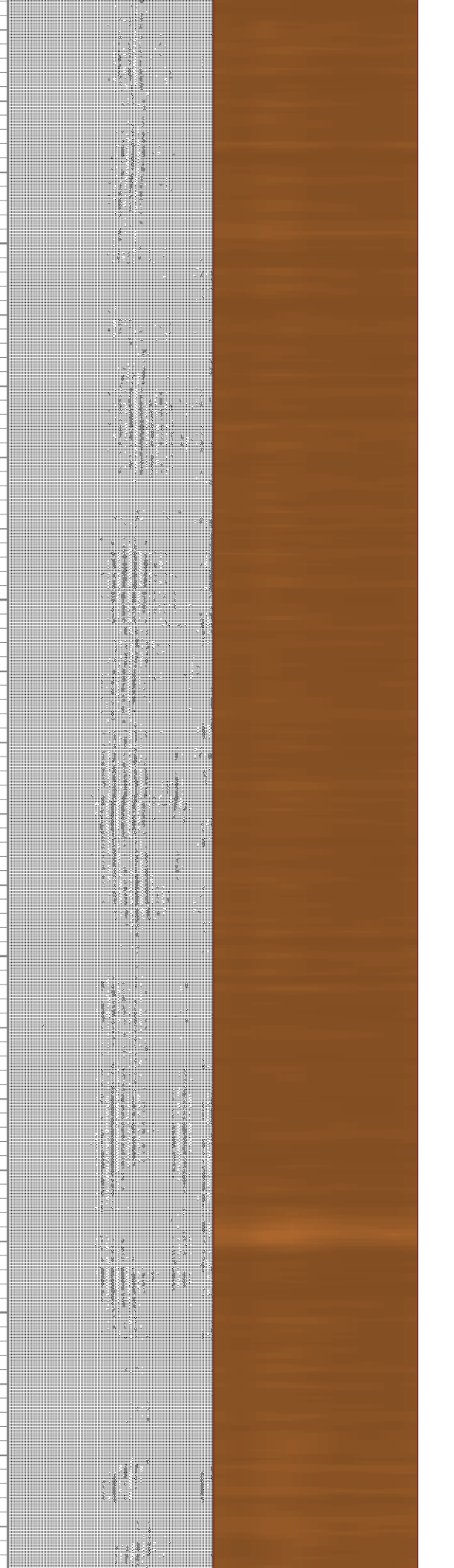
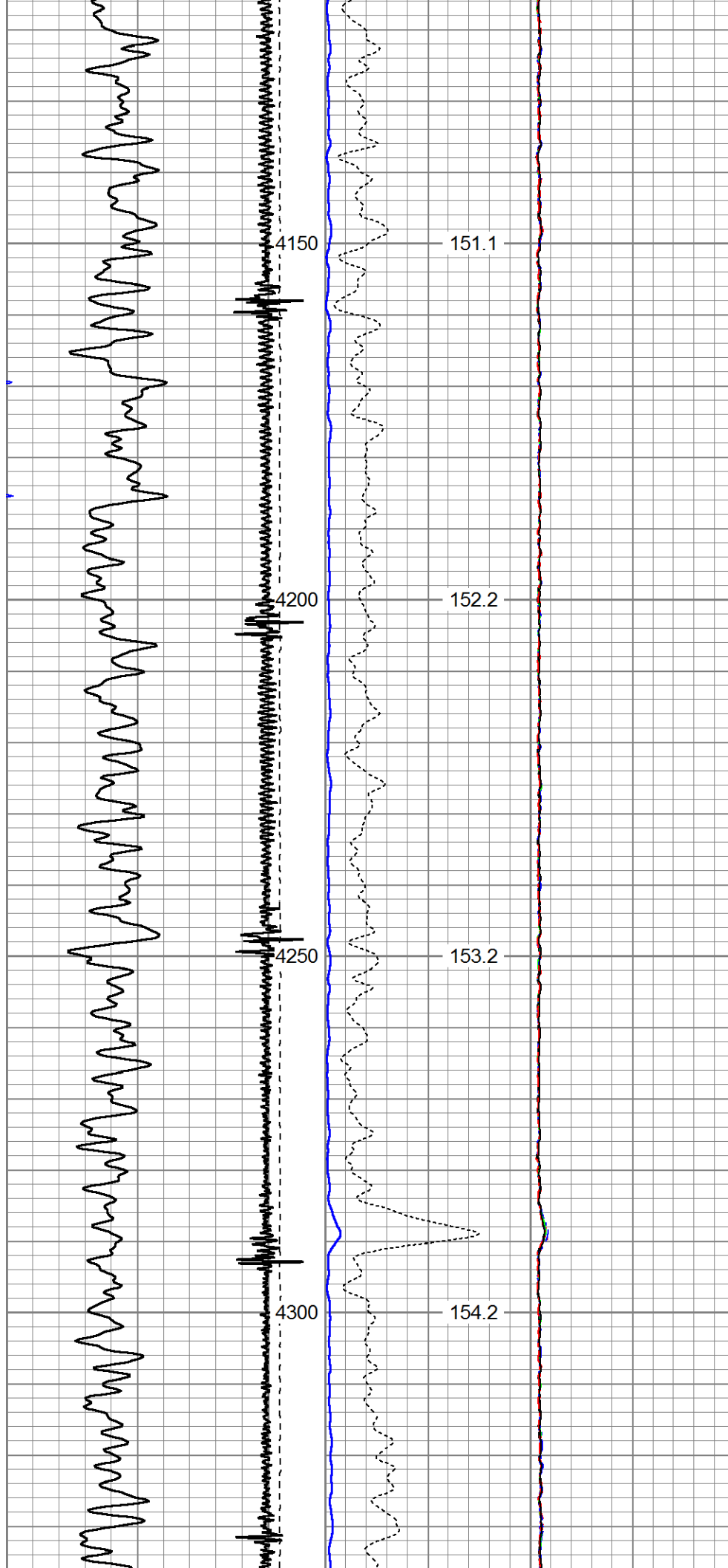


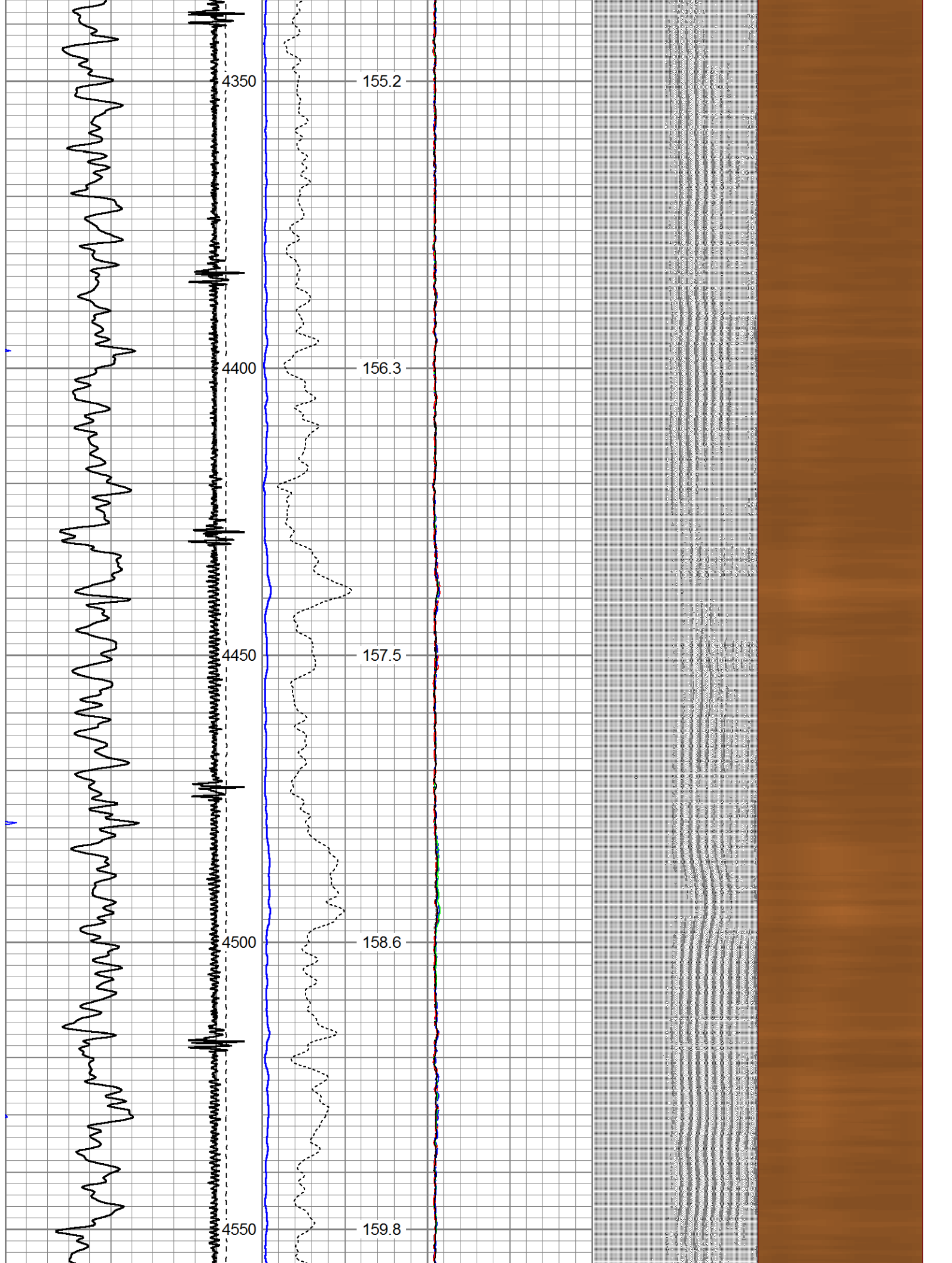


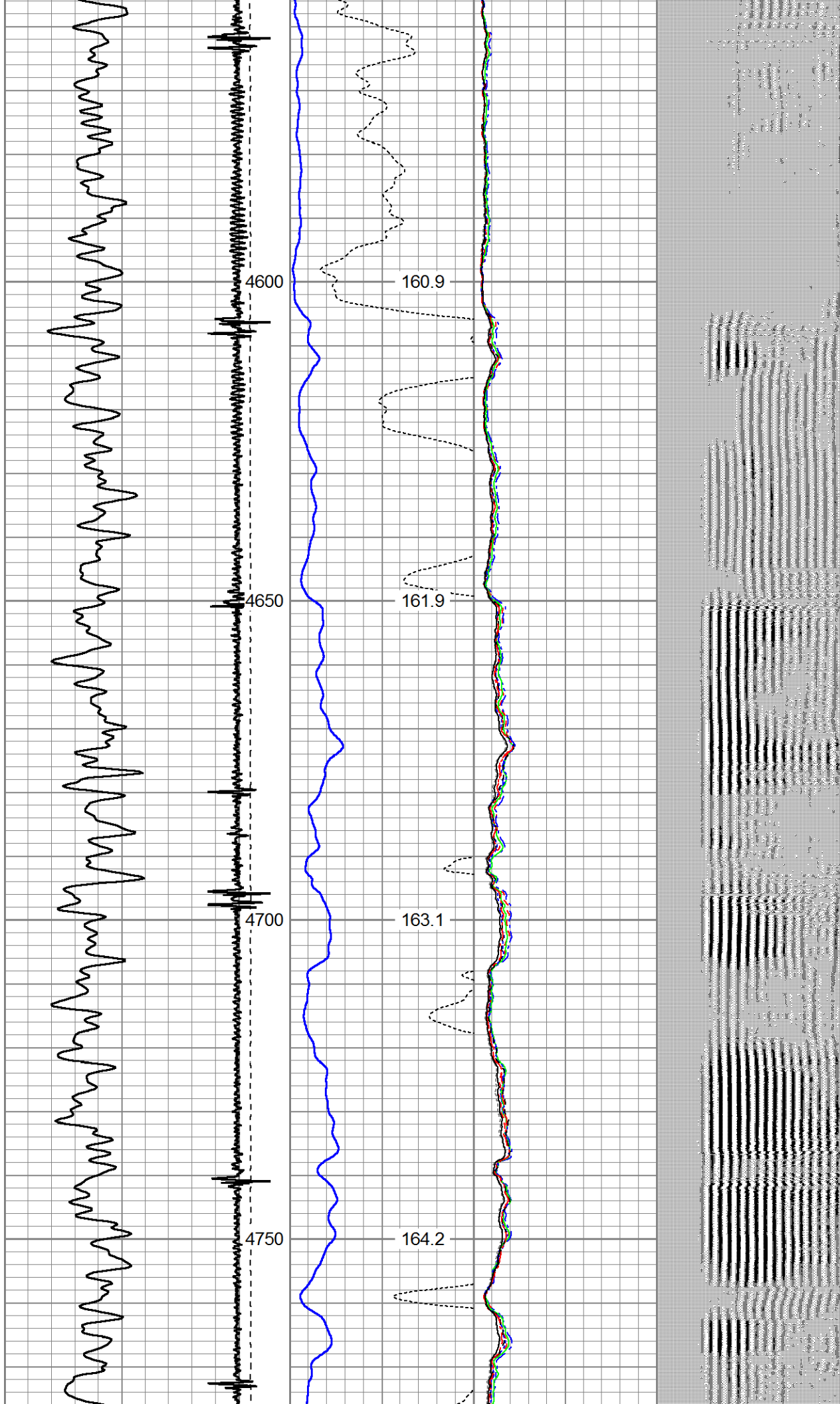


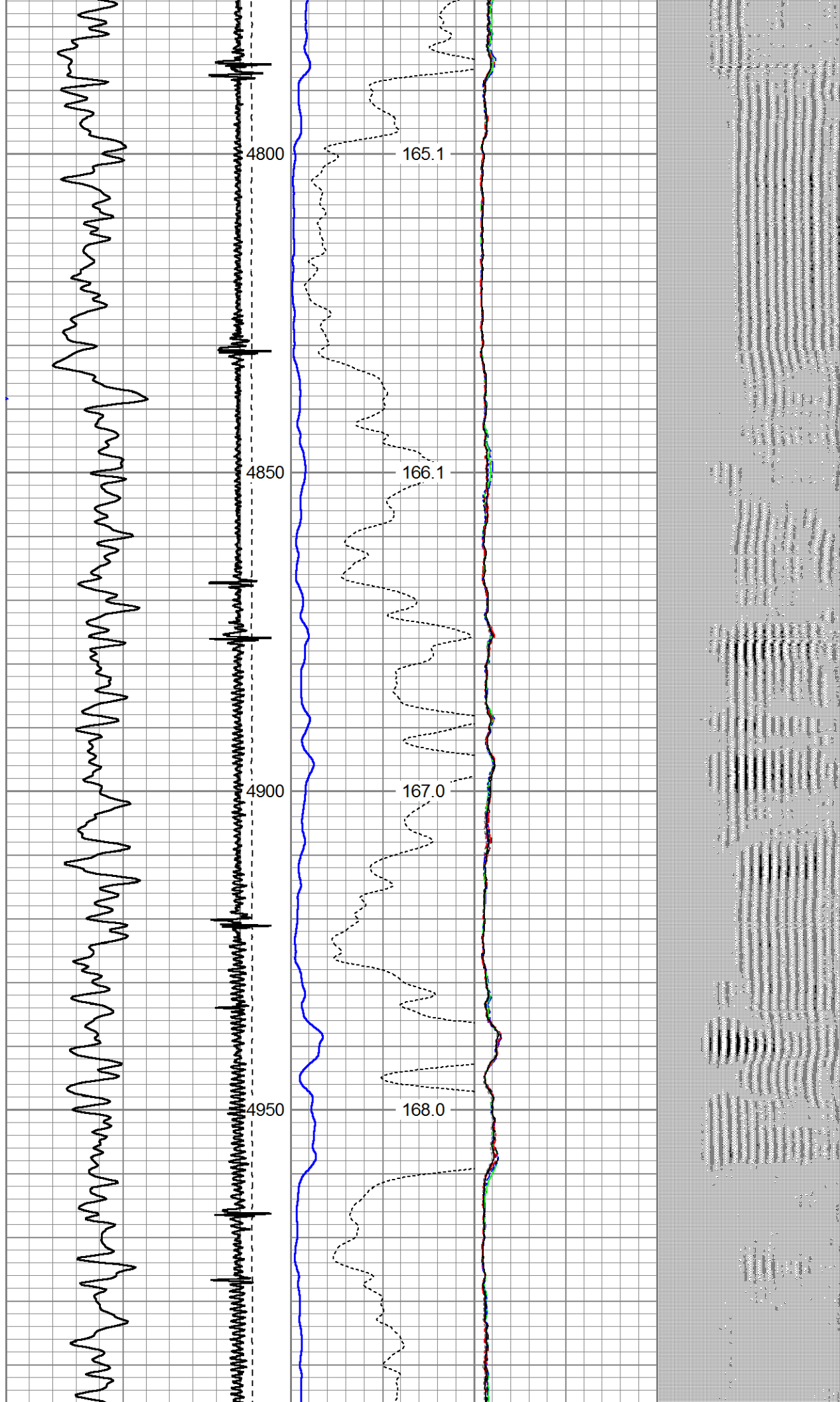


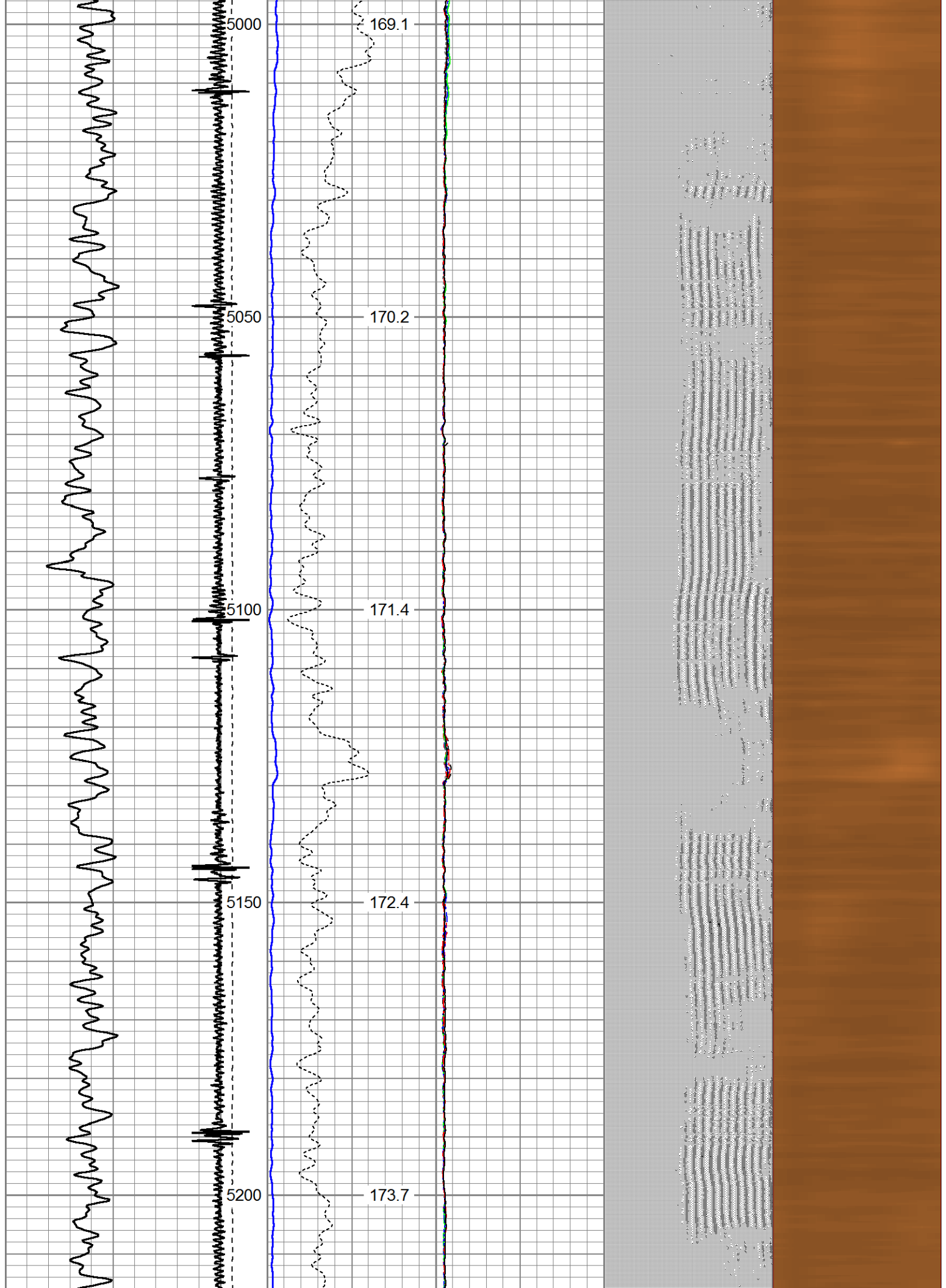


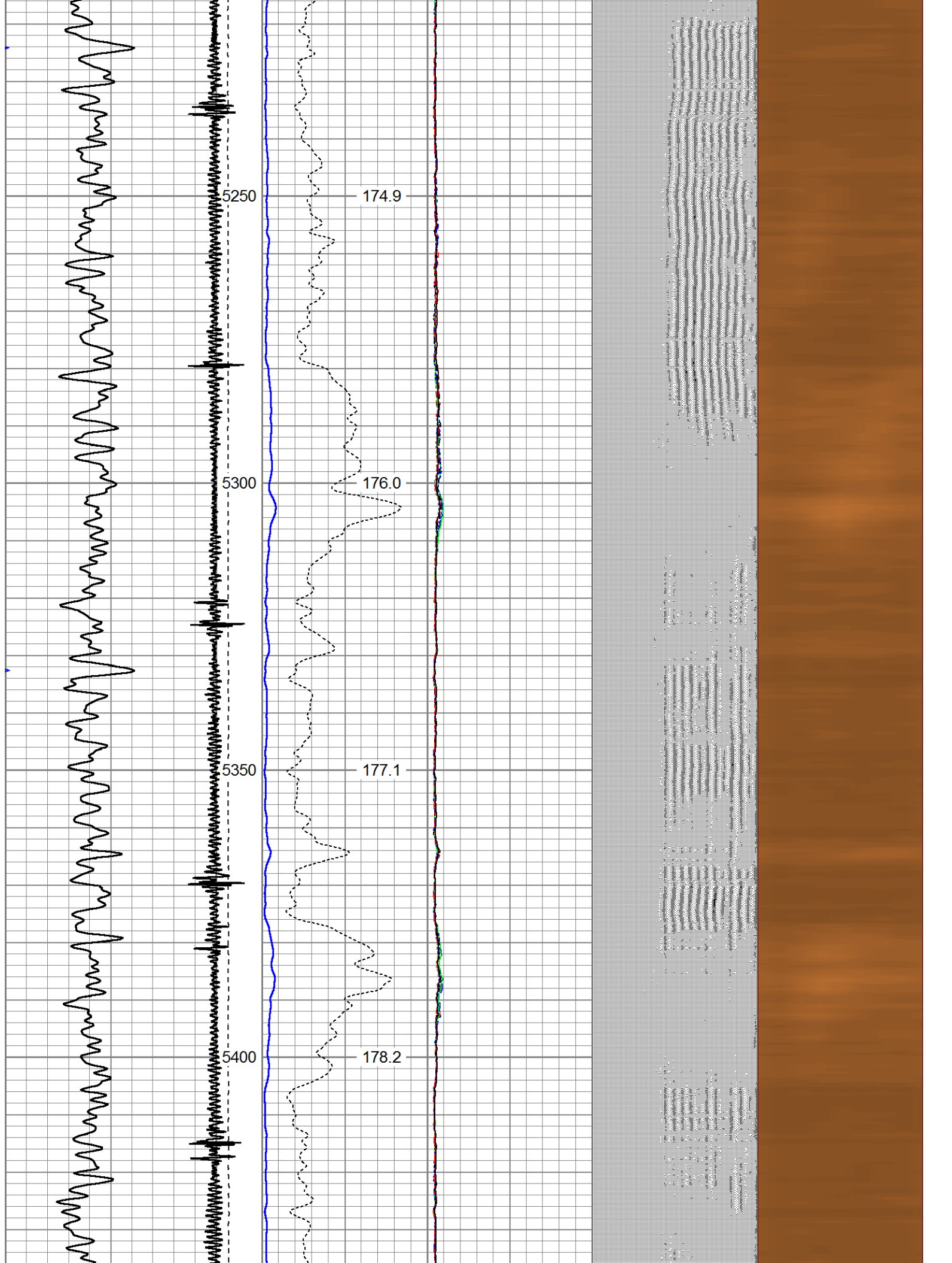


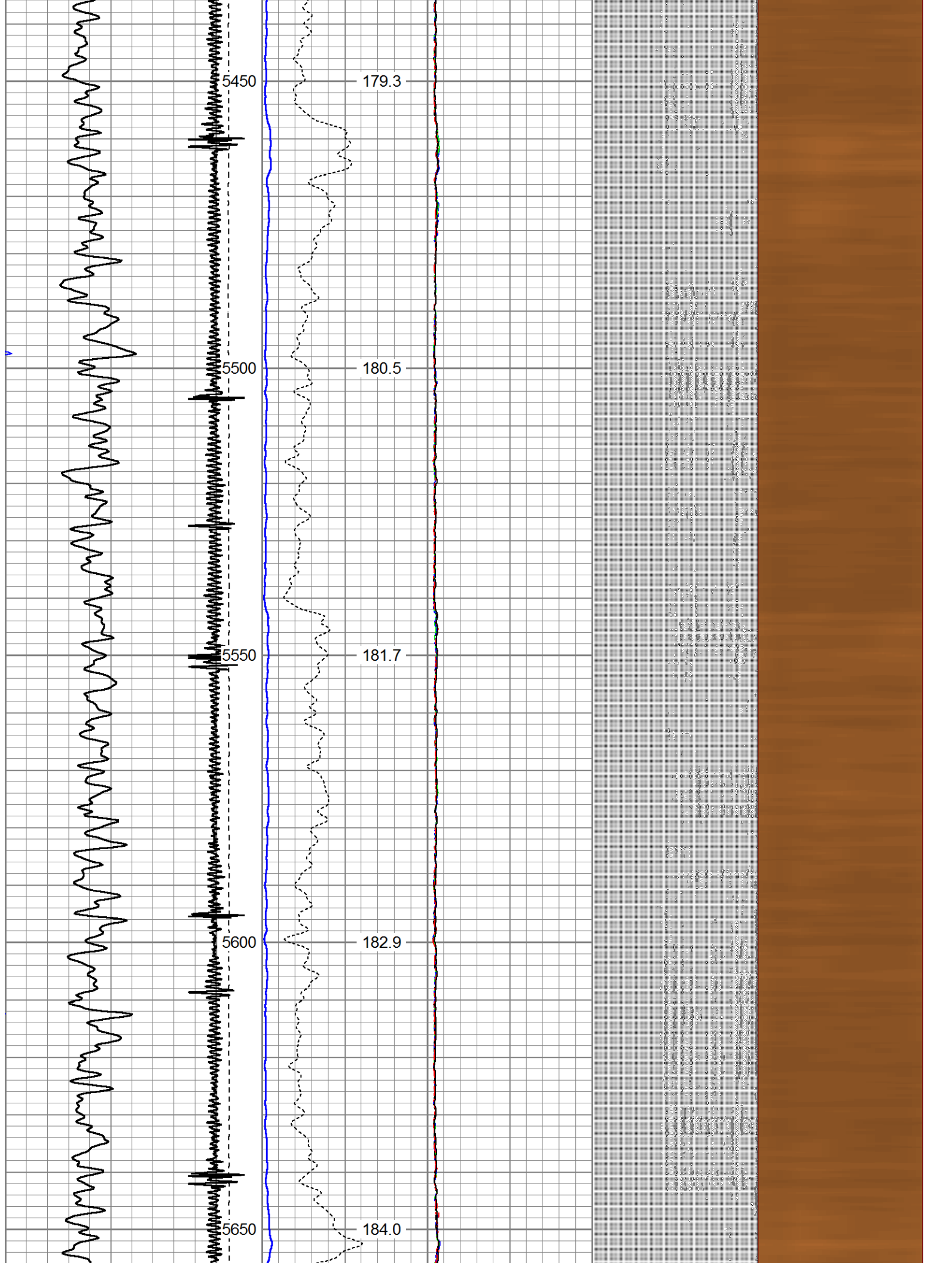


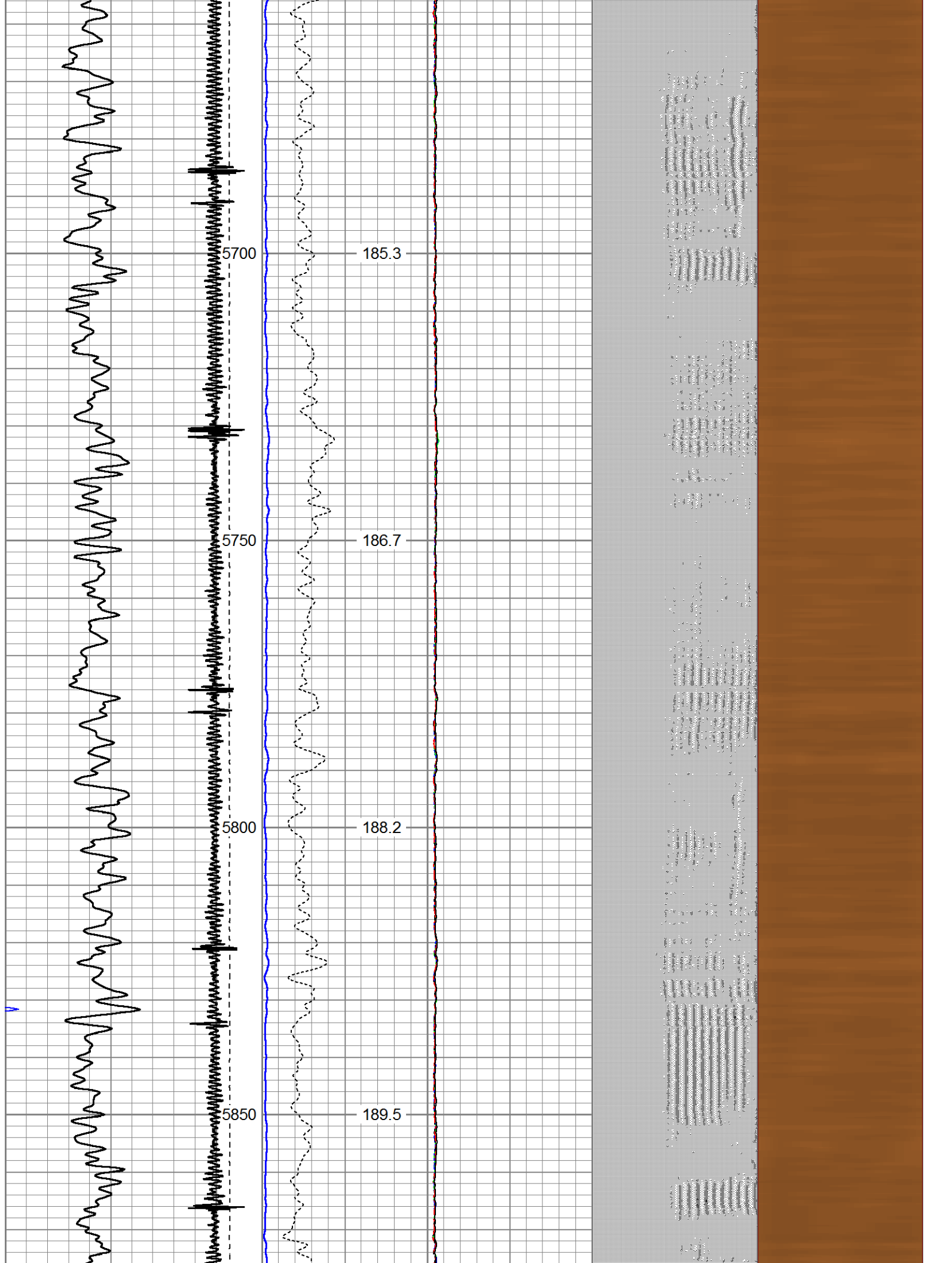


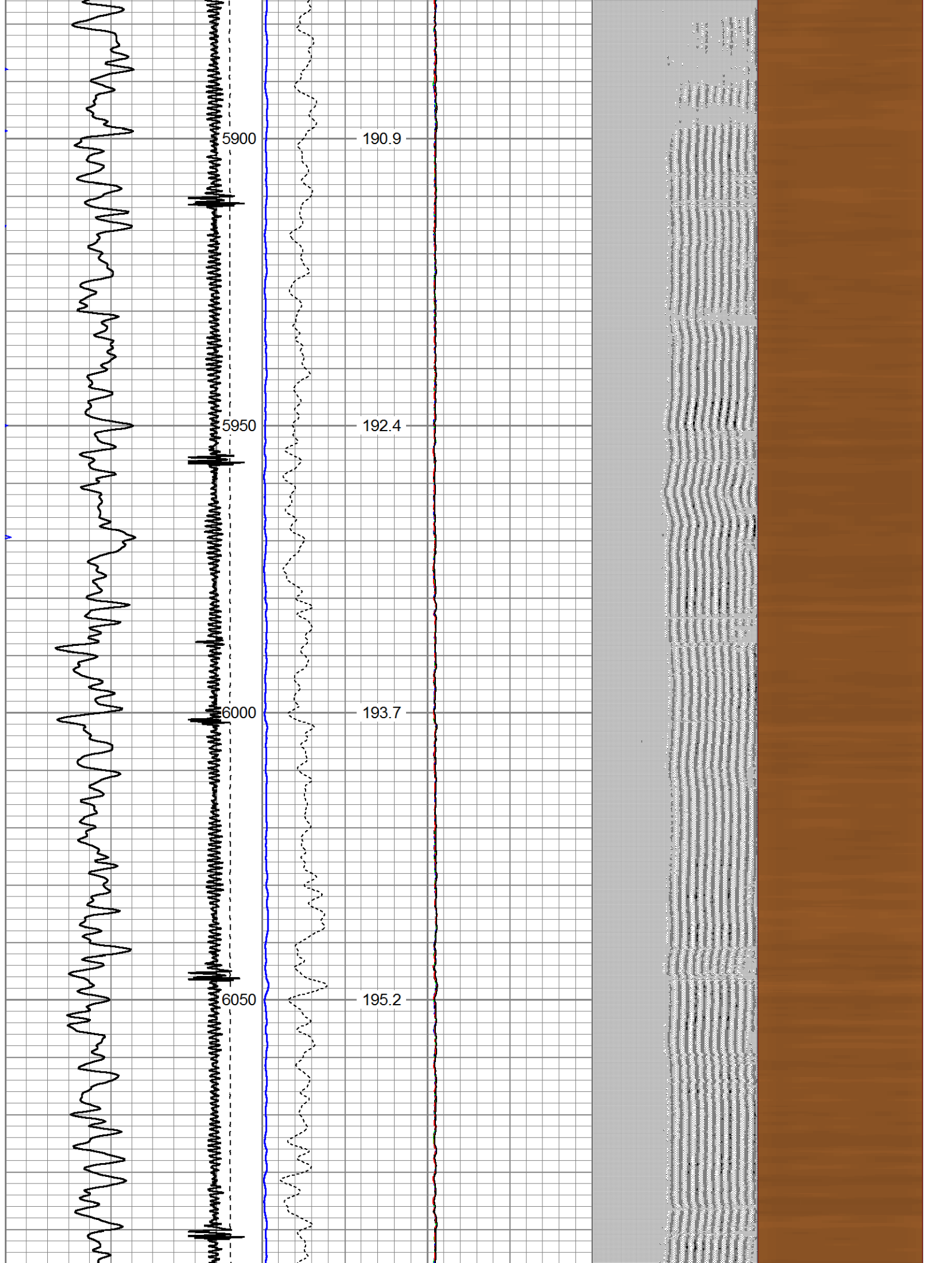


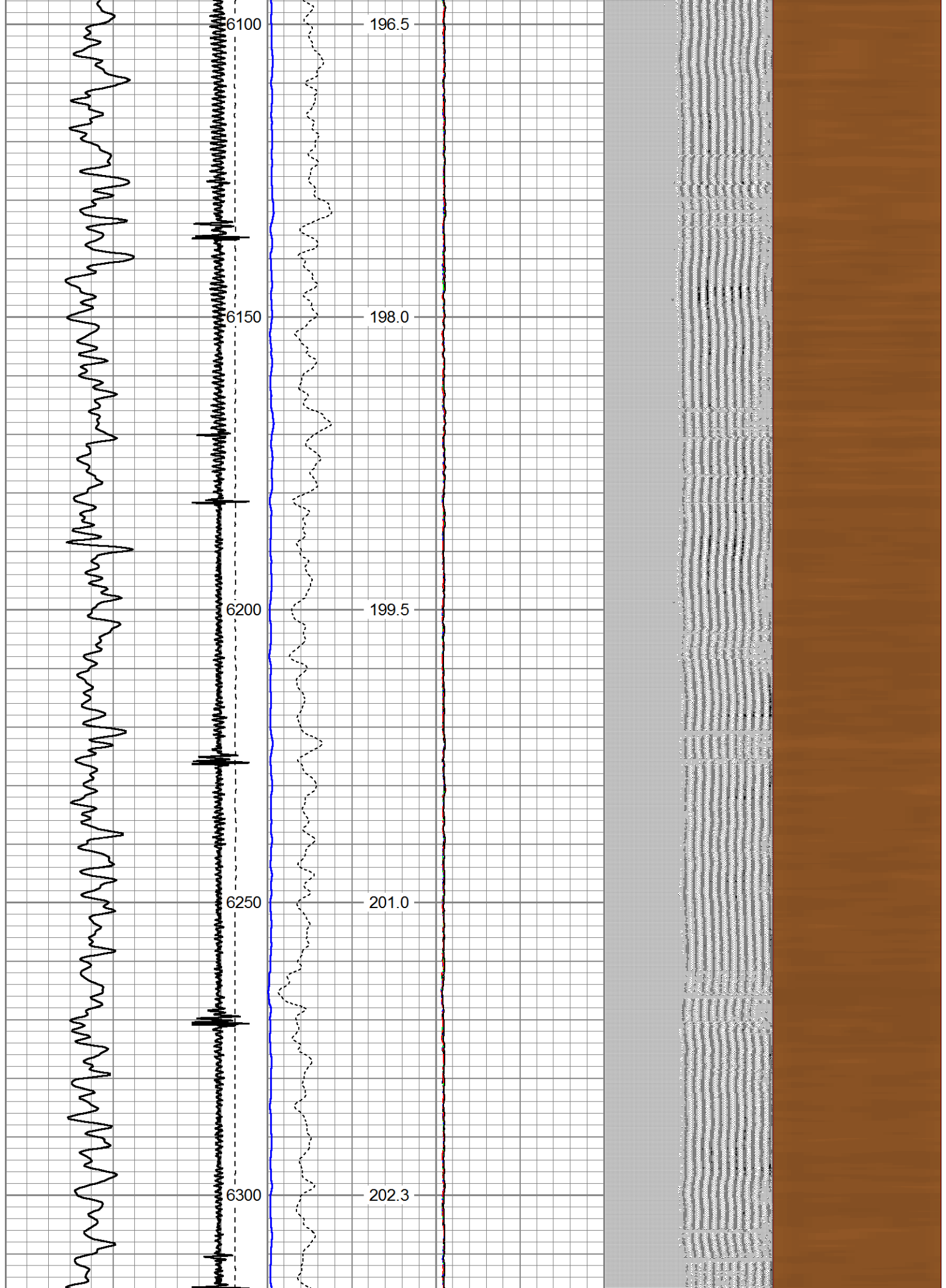


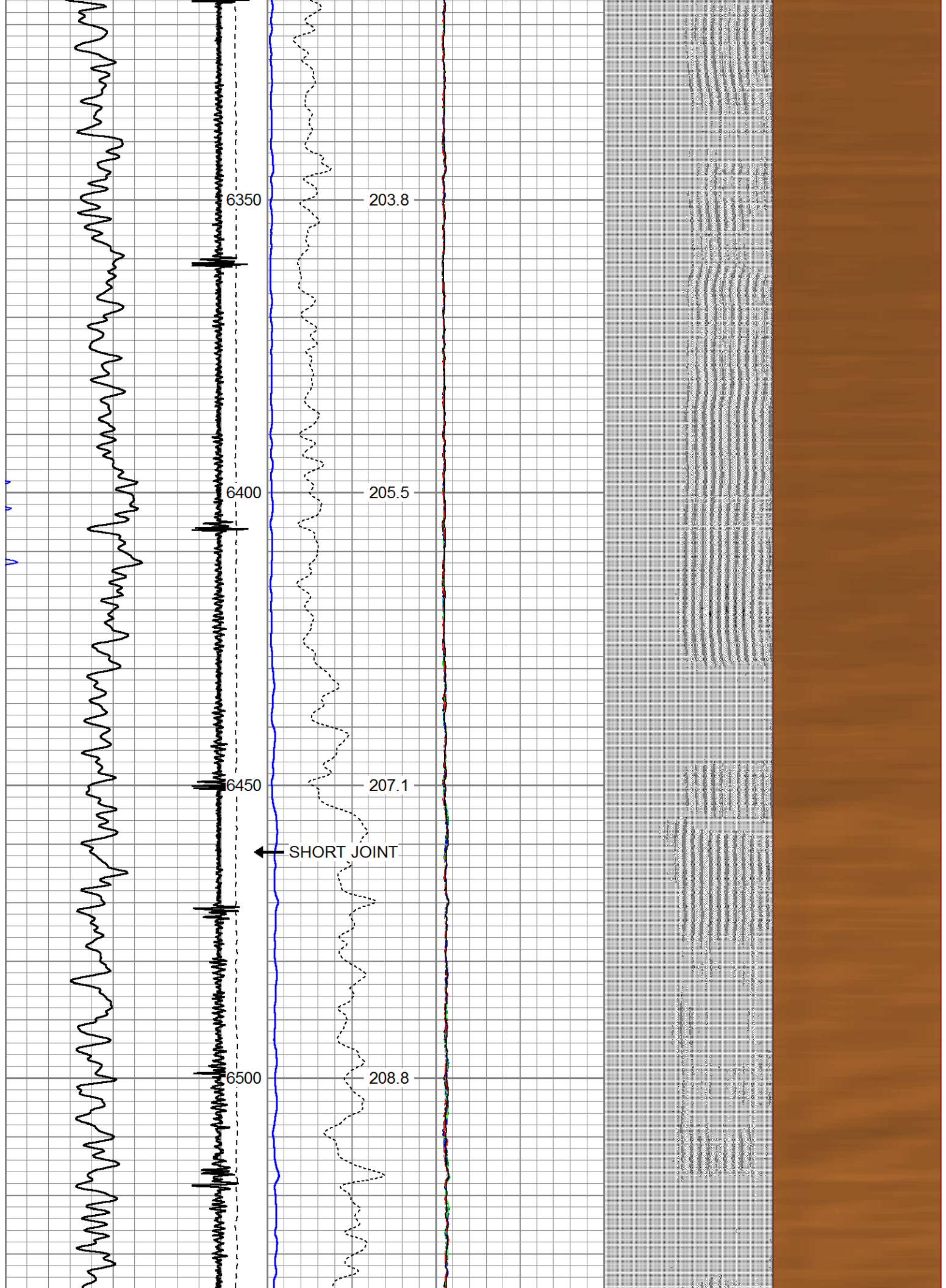


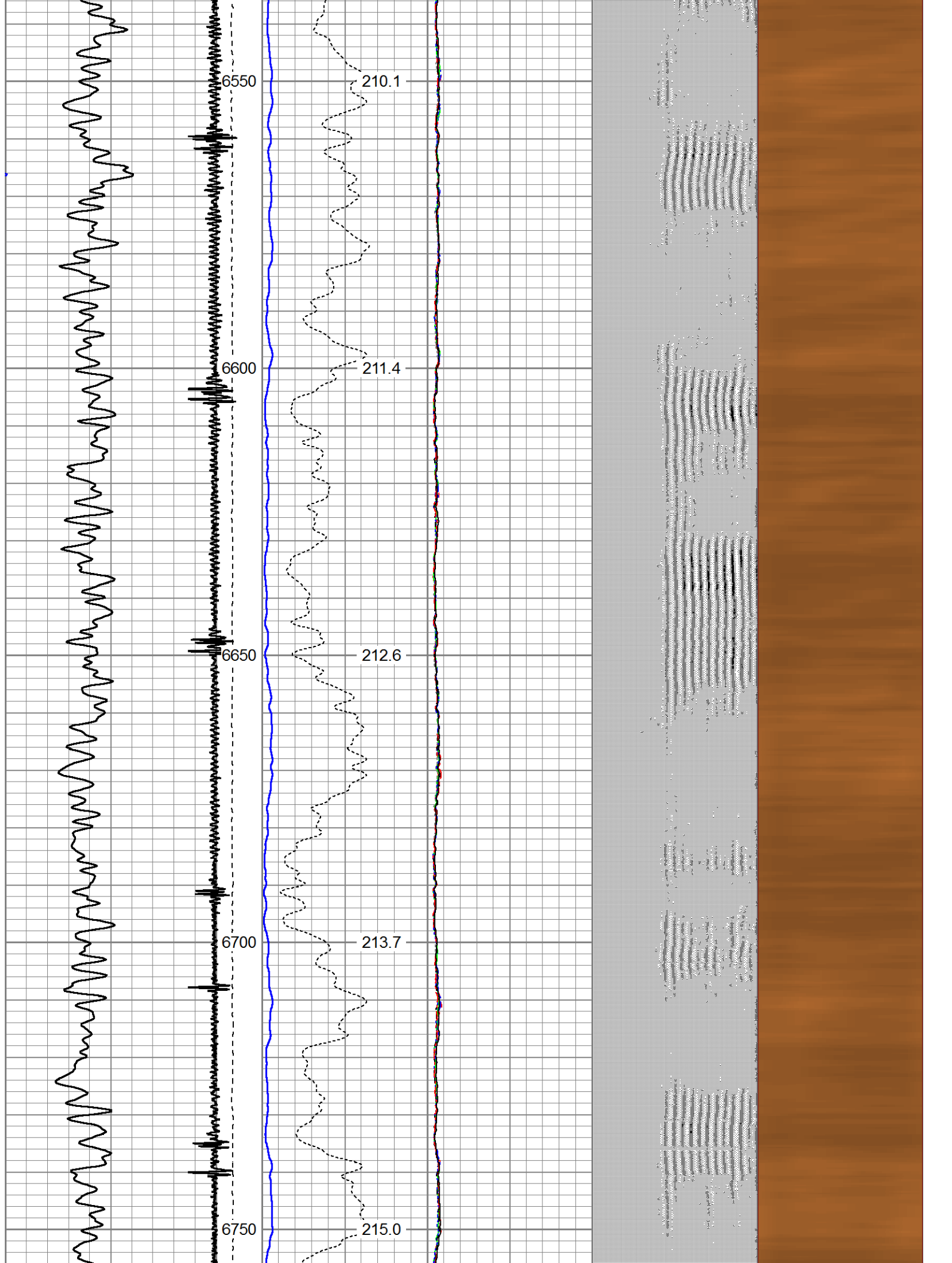


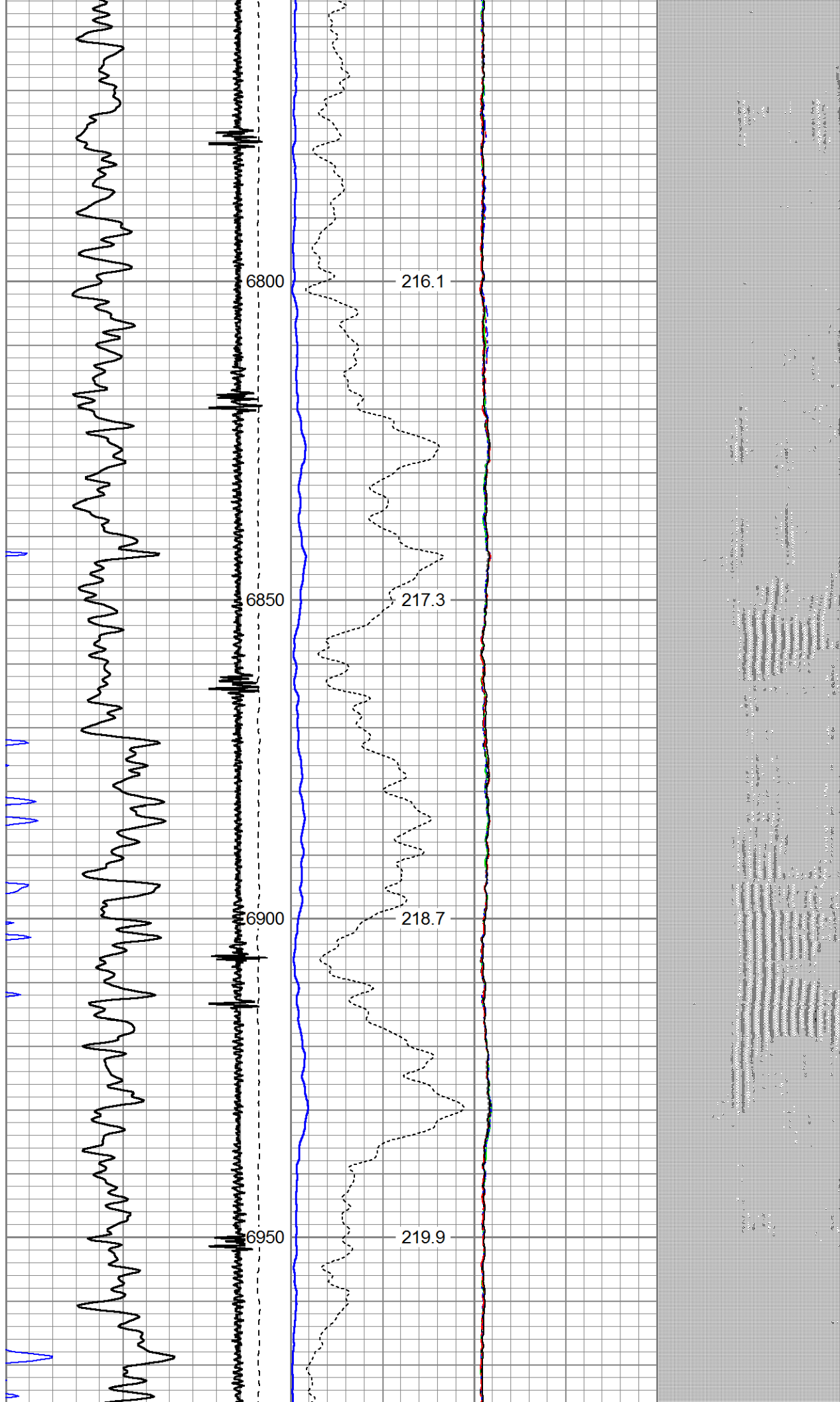


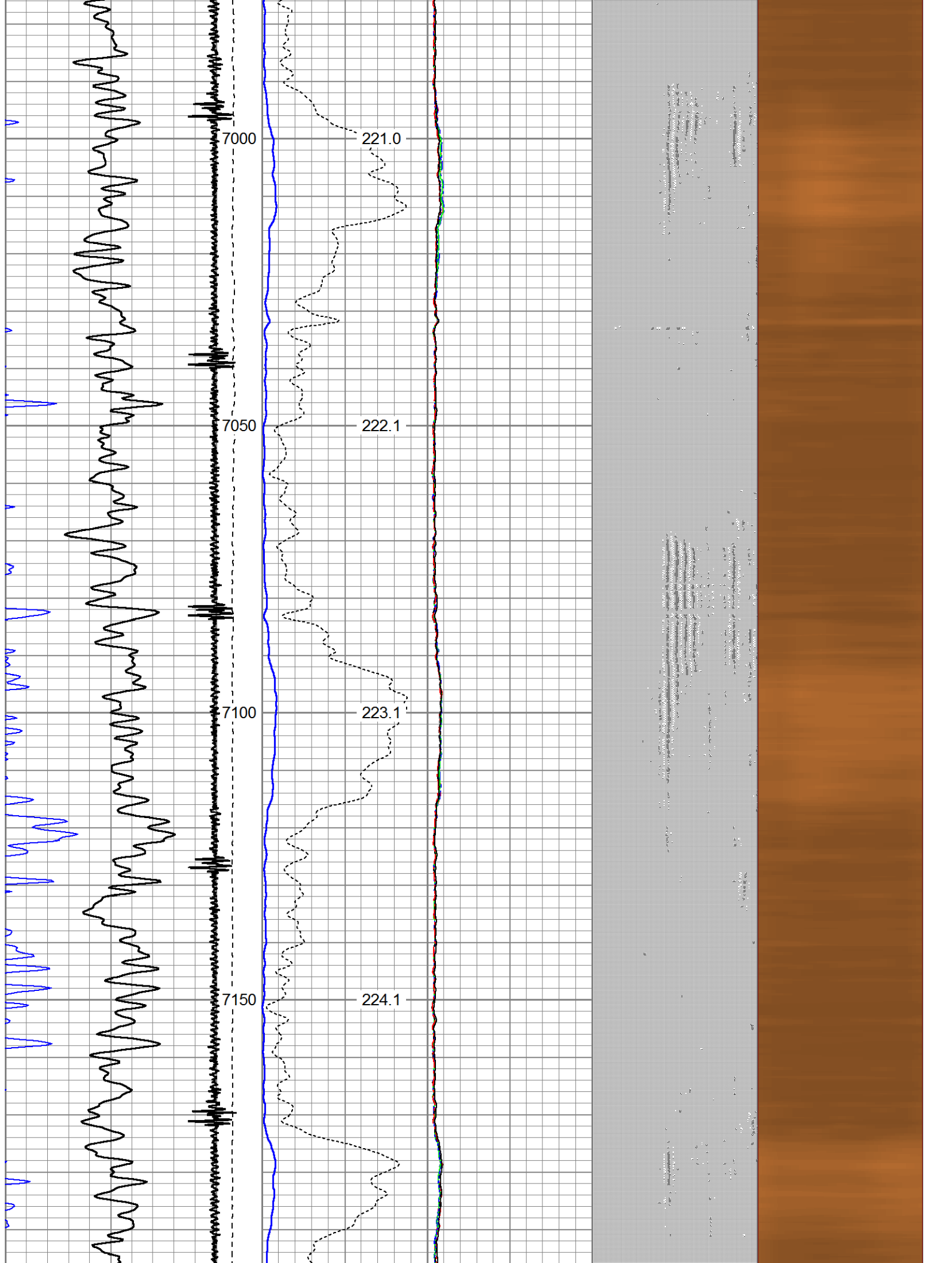


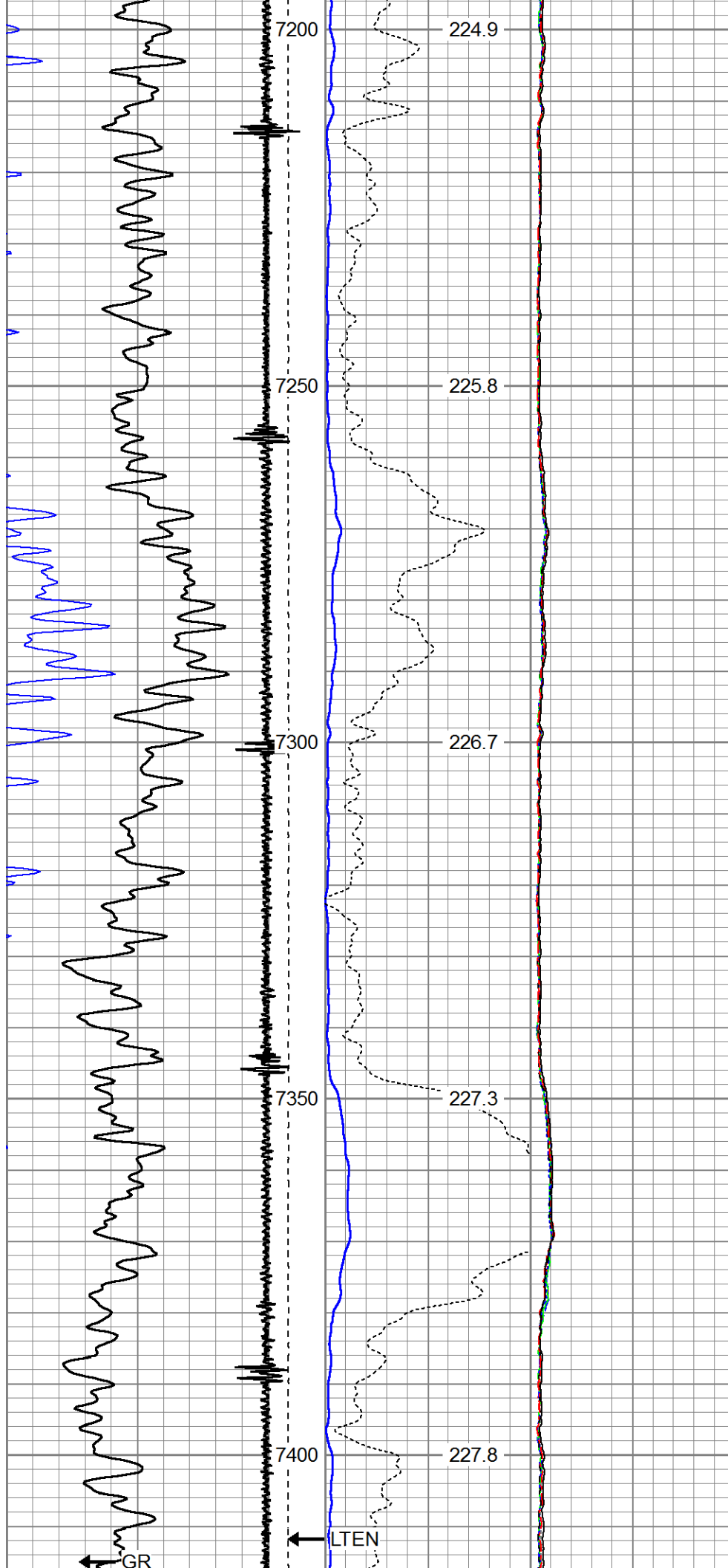


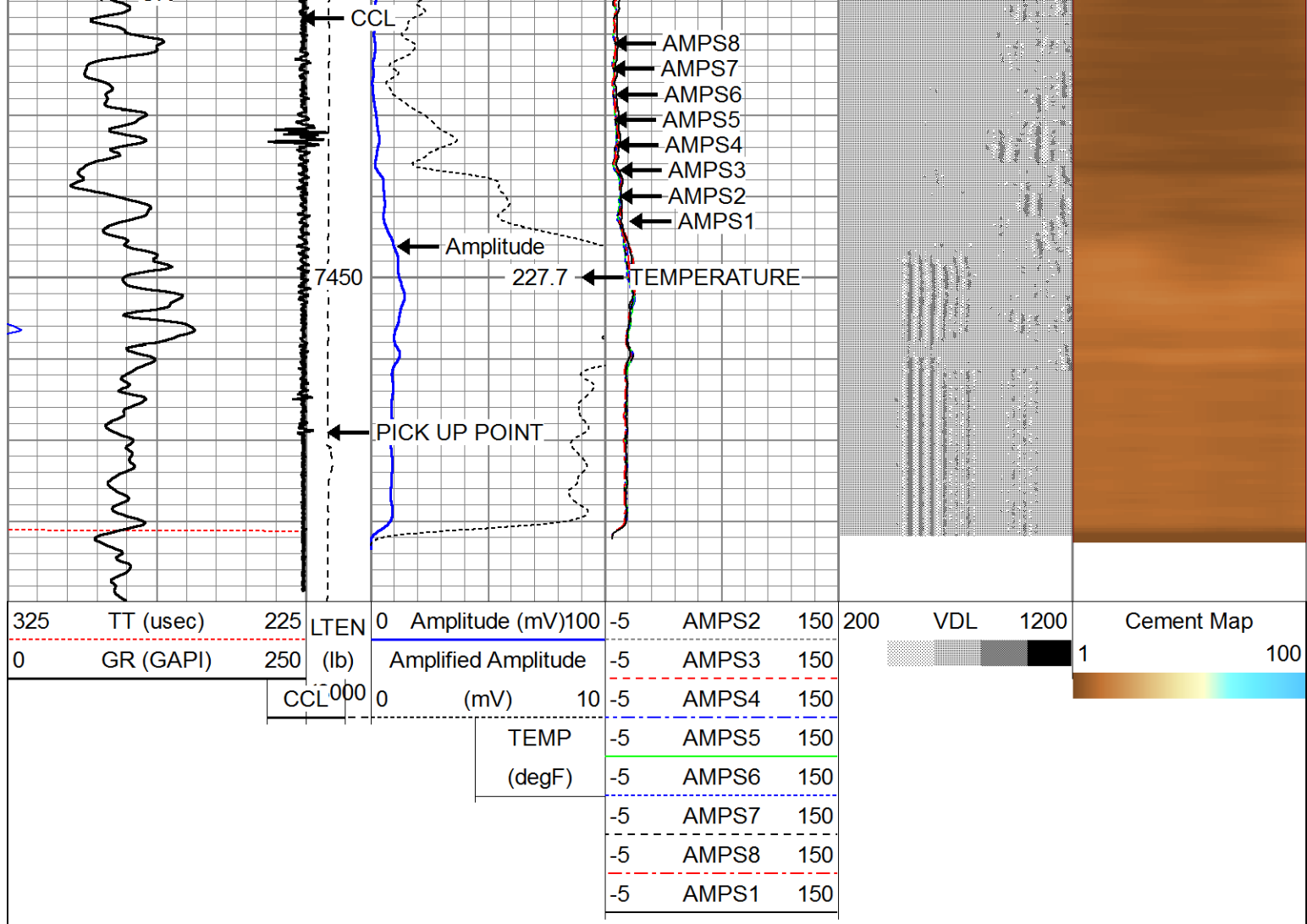












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