

RADIAL CEMENT BOND LOG  
GAMMA RAY  
CCL

Company	KERR-McGEE OIL & GAS ONSHORE LP		
Well	UPRR 50 PAN AM "G" TRUE #2		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API # : 05-123-11121		Other Services
SHL: 1220' FNL & 1320' FWL NW/NW			
Permanent Datum	GL	Elevation	5027'
Log Measured From	KB 15'		
Drilling Measured From	KB		
SEC 3 TWP 1N RGE 66W			

Date	4-14-2014
Run Number	ONE
Depth Driller	8170'
Depth Logger	7842'
Bottom Logged Interval	7838'
Top Log Interval	Surface
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	1.0
Max. Recorded Temp.	245
Estimated Cement Top	4306'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	5432
Location	GREELEY, CO
Recorded By	M. JANDREAU
Witnessed By	RYAN THOMPSON

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
ONE							
TWO							

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	36#	0	1043'
Prot. String				
Production String	5 1/2	17# & 15.50#	0	8170'
Liner				

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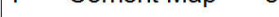
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

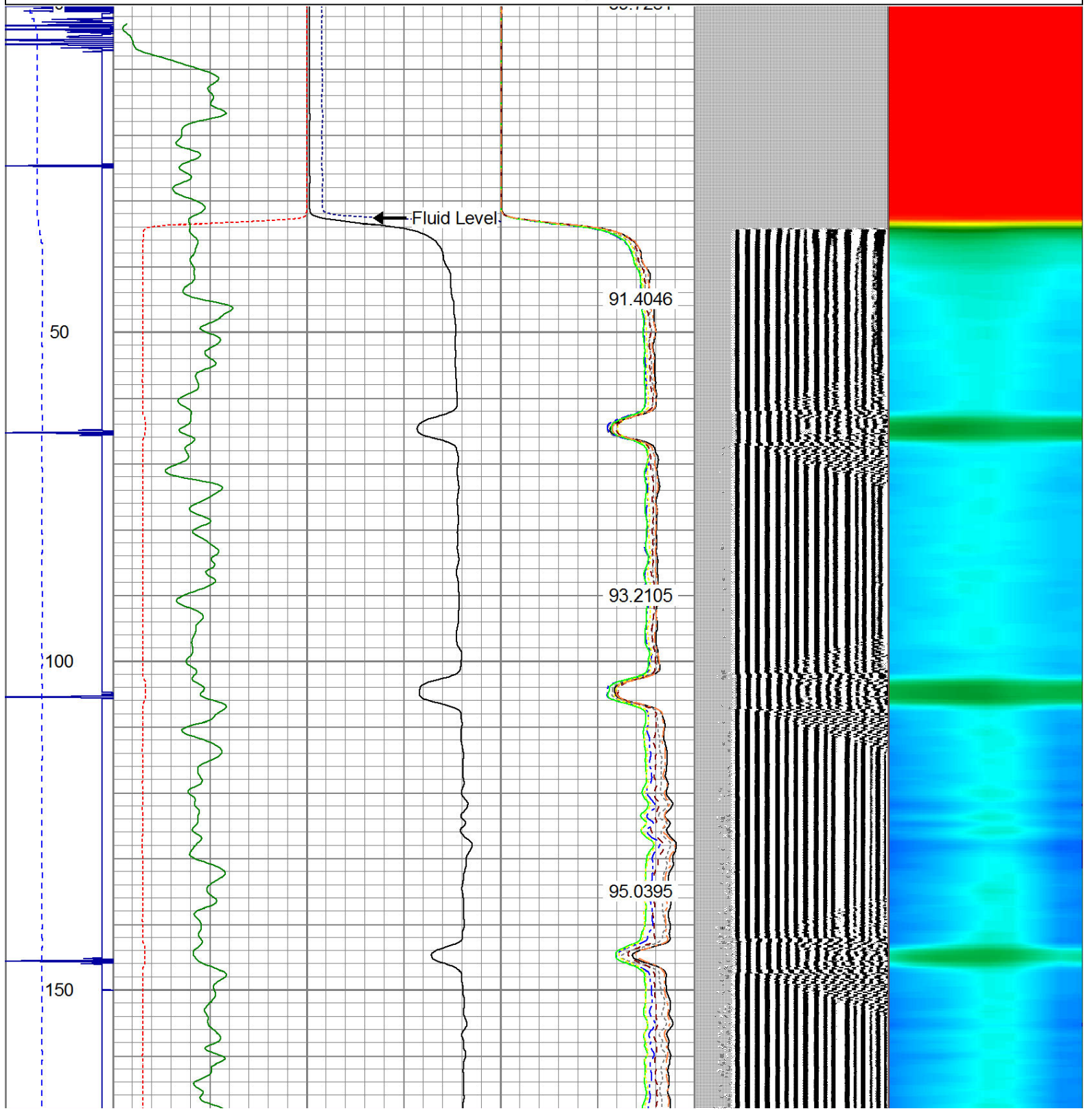
Comments

CORRELATED UP HOLE 5' TO SCHLUMBERGER LITHO DENSITY LOG 4/7/1983  
RAN LOG TO VERIFY CEMENT TOP  
THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!

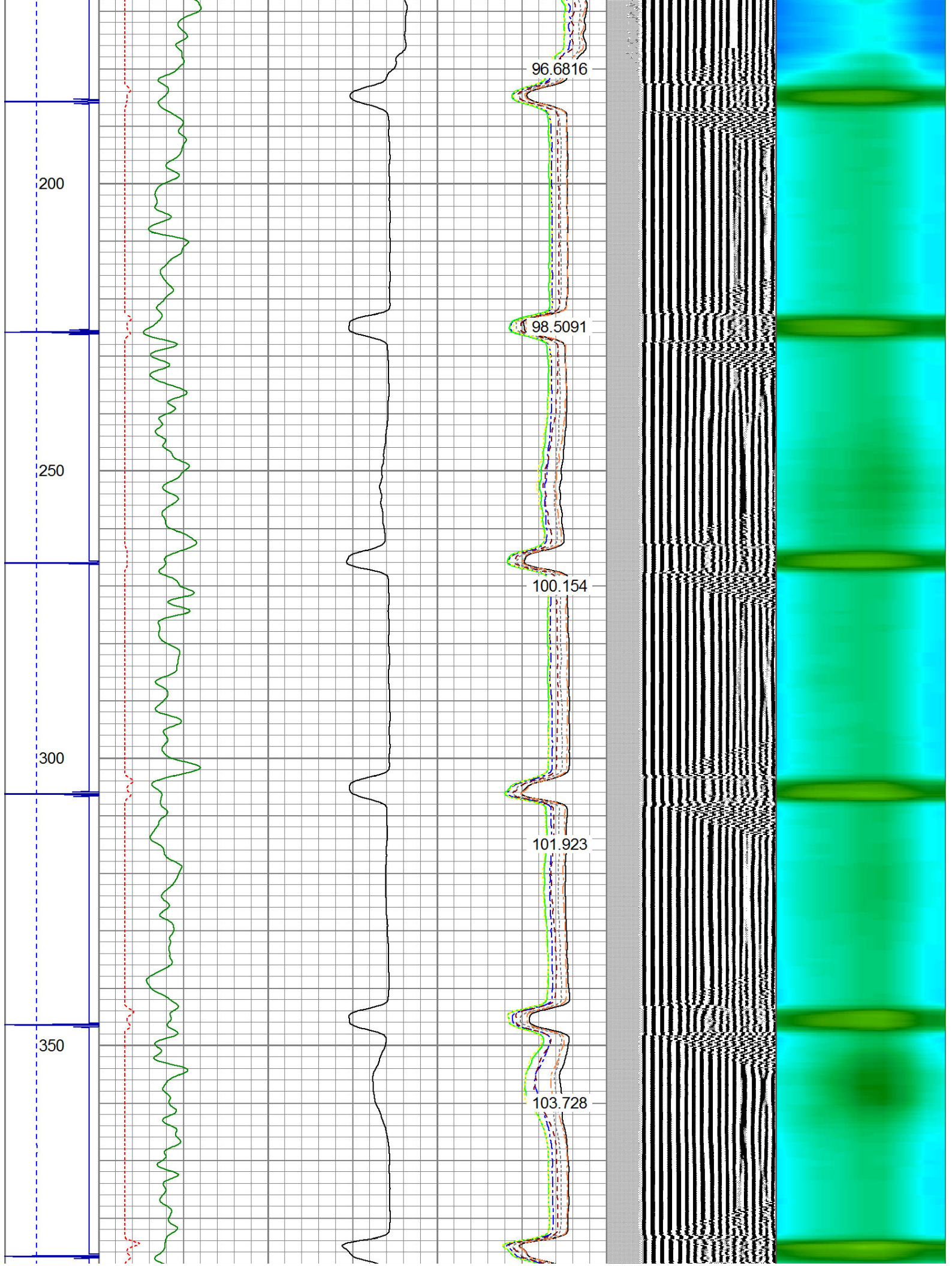
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

			PTS275	2.83	2.75	
HEADVOLT	16.25					
IntTemp	14.83					
WVF3FT	11.58		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.58		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.58					
WVFS2	11.58					
WVFS3	11.58					
WVFS4	11.58					
WVFS5	11.58					
WVFS6	11.58					
WVFS7	11.58					
WVFS8	11.58					
WVF5FT	10.58					
CNLSC	6.00		CNT-Probe_B (275)	3.00	2.75	40.00
CNSSC	5.17		6 bow centralizer			
CCL	3.64					
GR	0.90		GR-Probe (275)	4.33	2.75	30.00
			Probe 2.75"			
Dataset: uprr 50 pan am g true 2.db: field/well/run1/pass4 Total Length: 19.08 ft Total Weight: 160.00 lb O.D. 2.75 in						

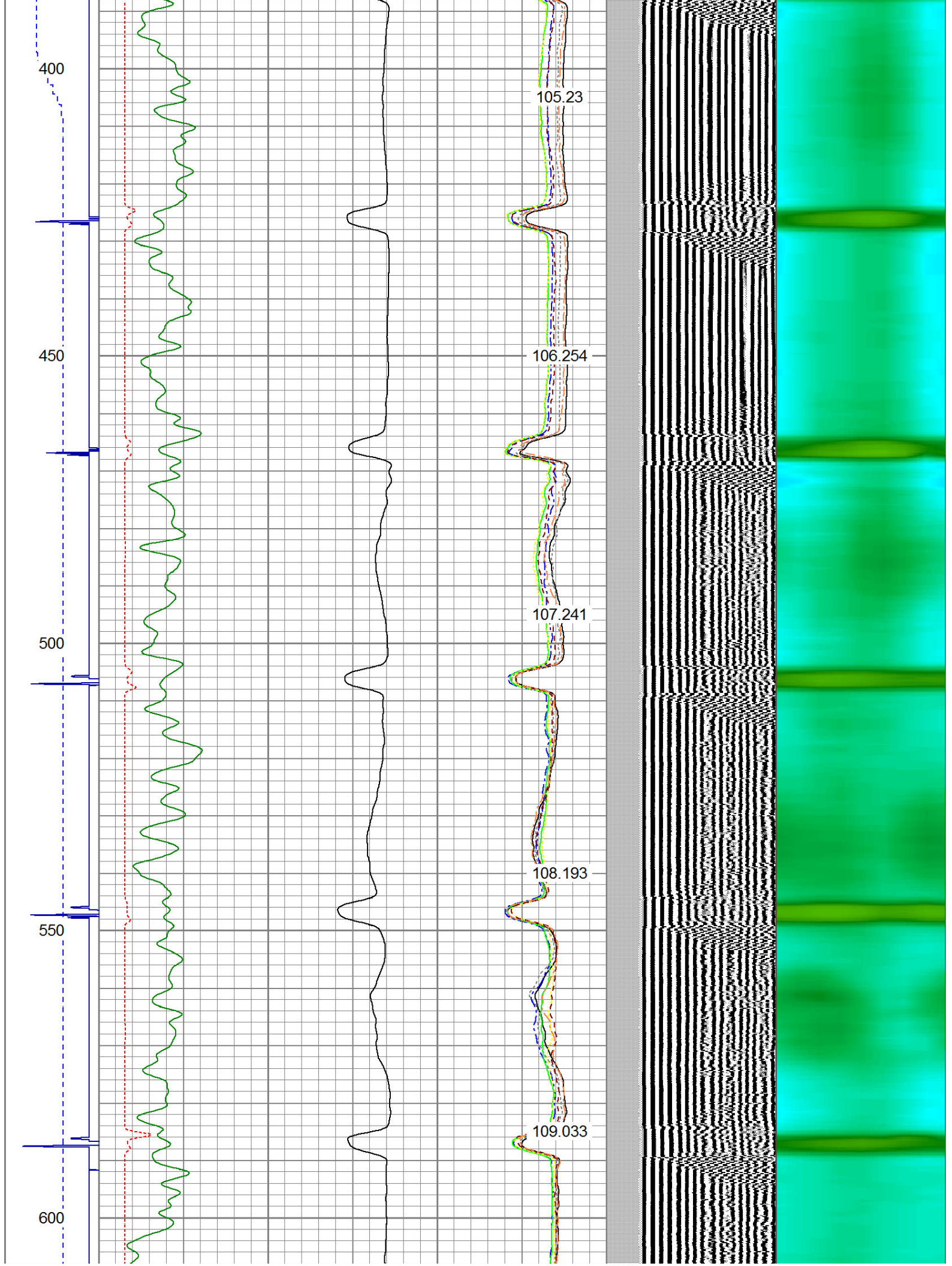
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD (ft/min)			0	GR (GAPI)	200	0		AMPx5 (mV)	20	0	AMPS2	100				1	
			200	GR (GAPI)	400			0	AMPS4	100							
			0	250	0			AMPS5	100								
								0	AMPS6	100							
								0	AMPS7	100							
								0	AMPS8	100							
								IntTemp (degF)									



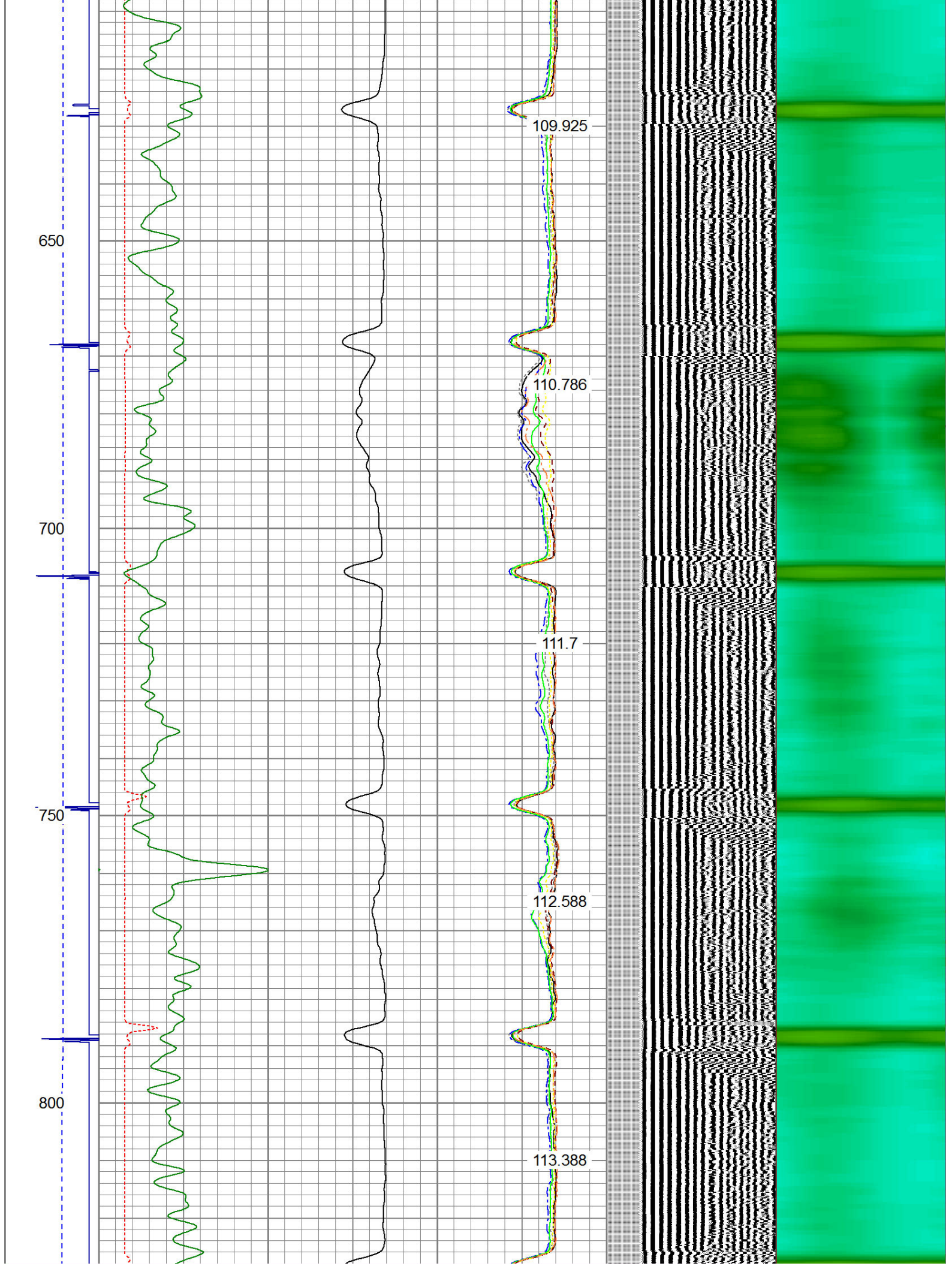




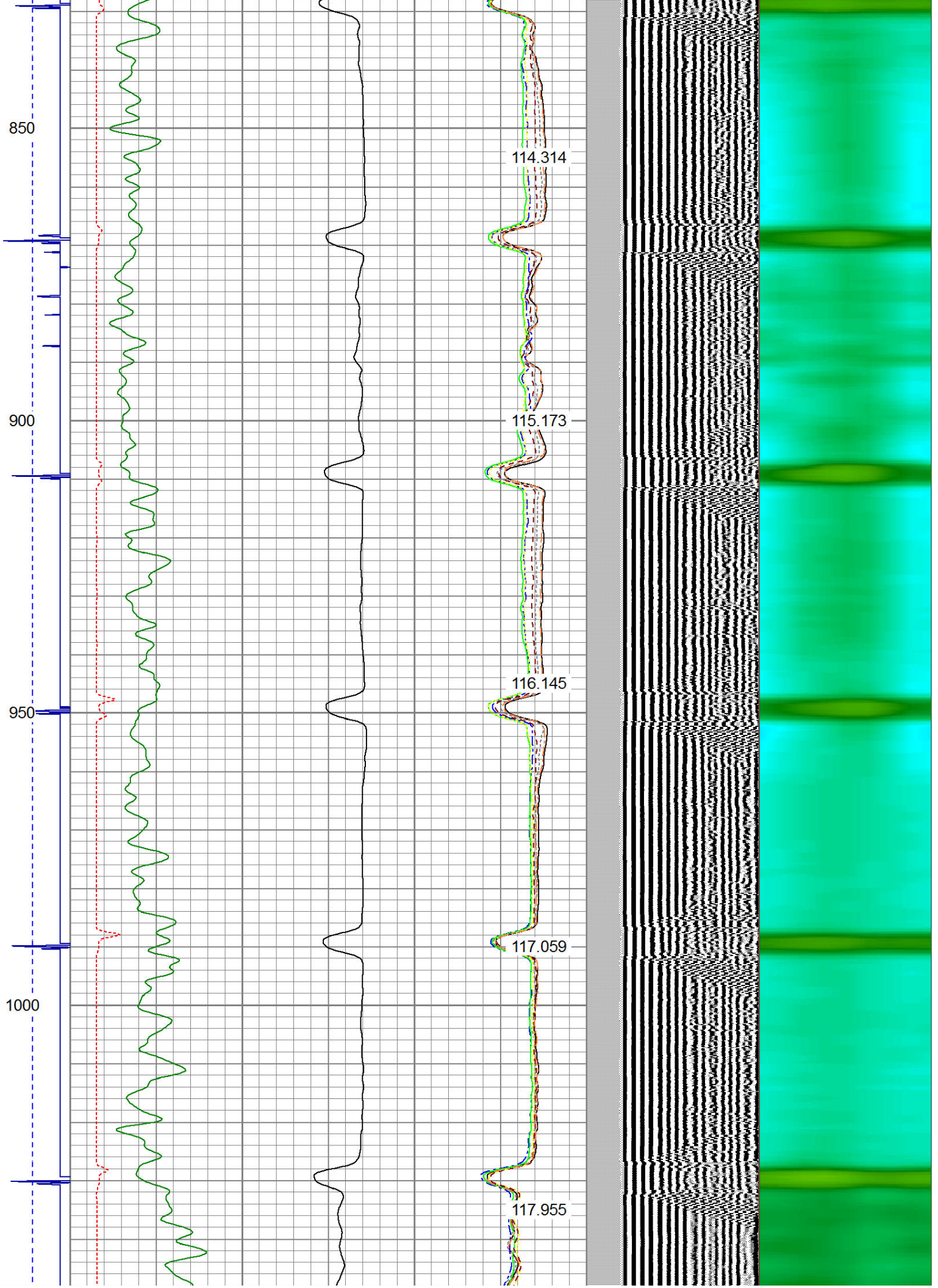




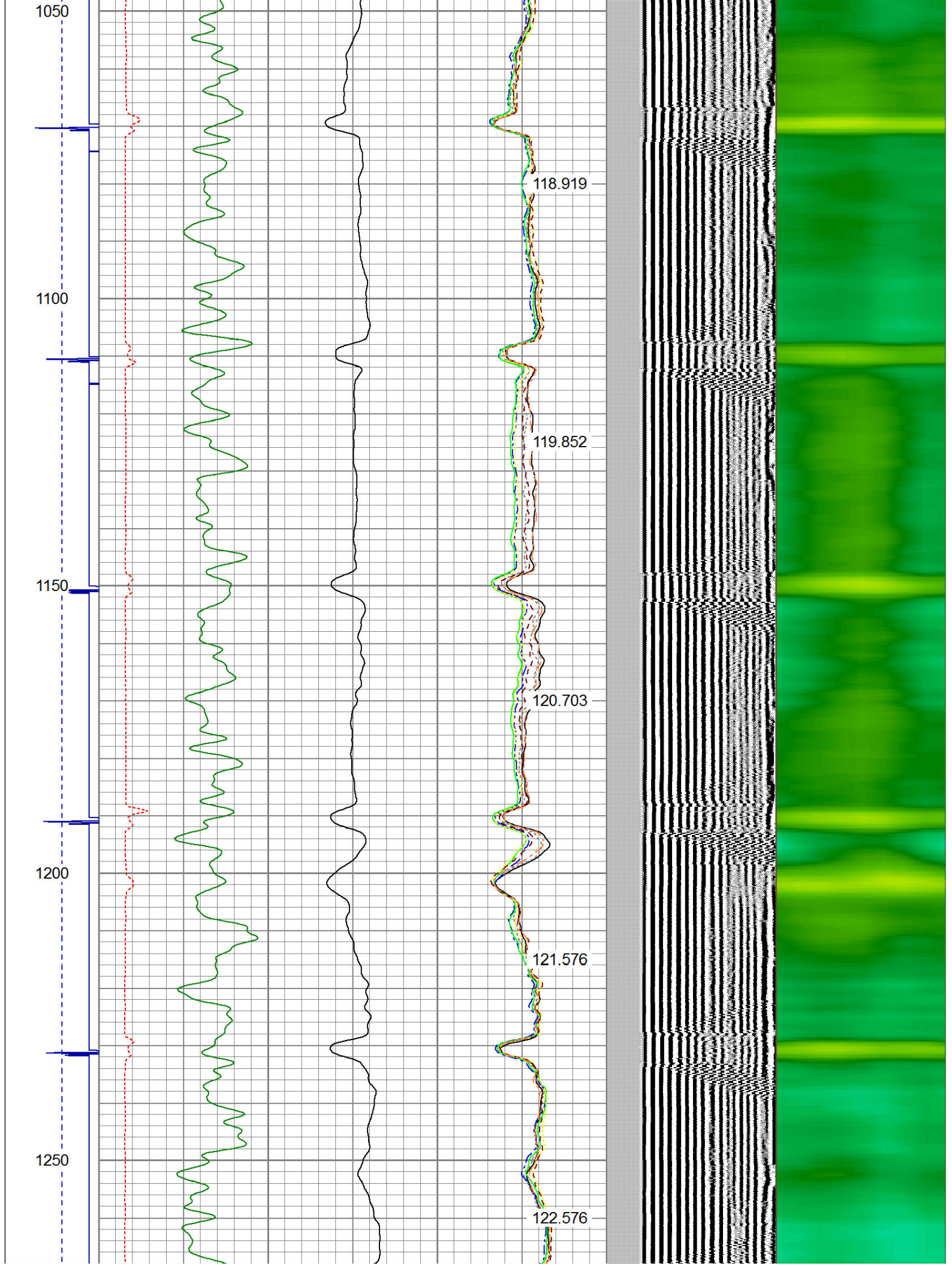














1300

1350

1400

1450

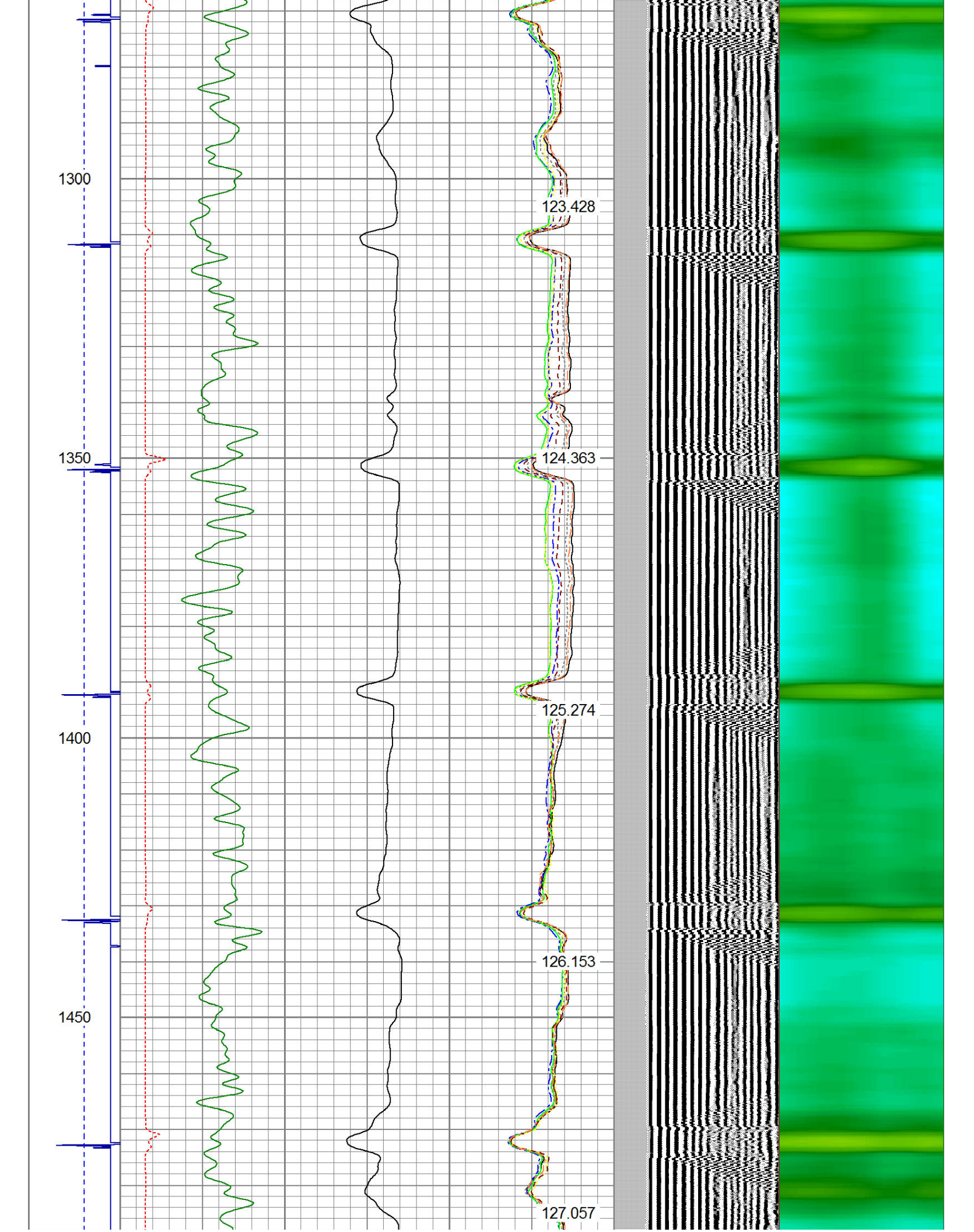
123.428

124.363

125.274

126.153

127.057





1500

1550

1600

1650

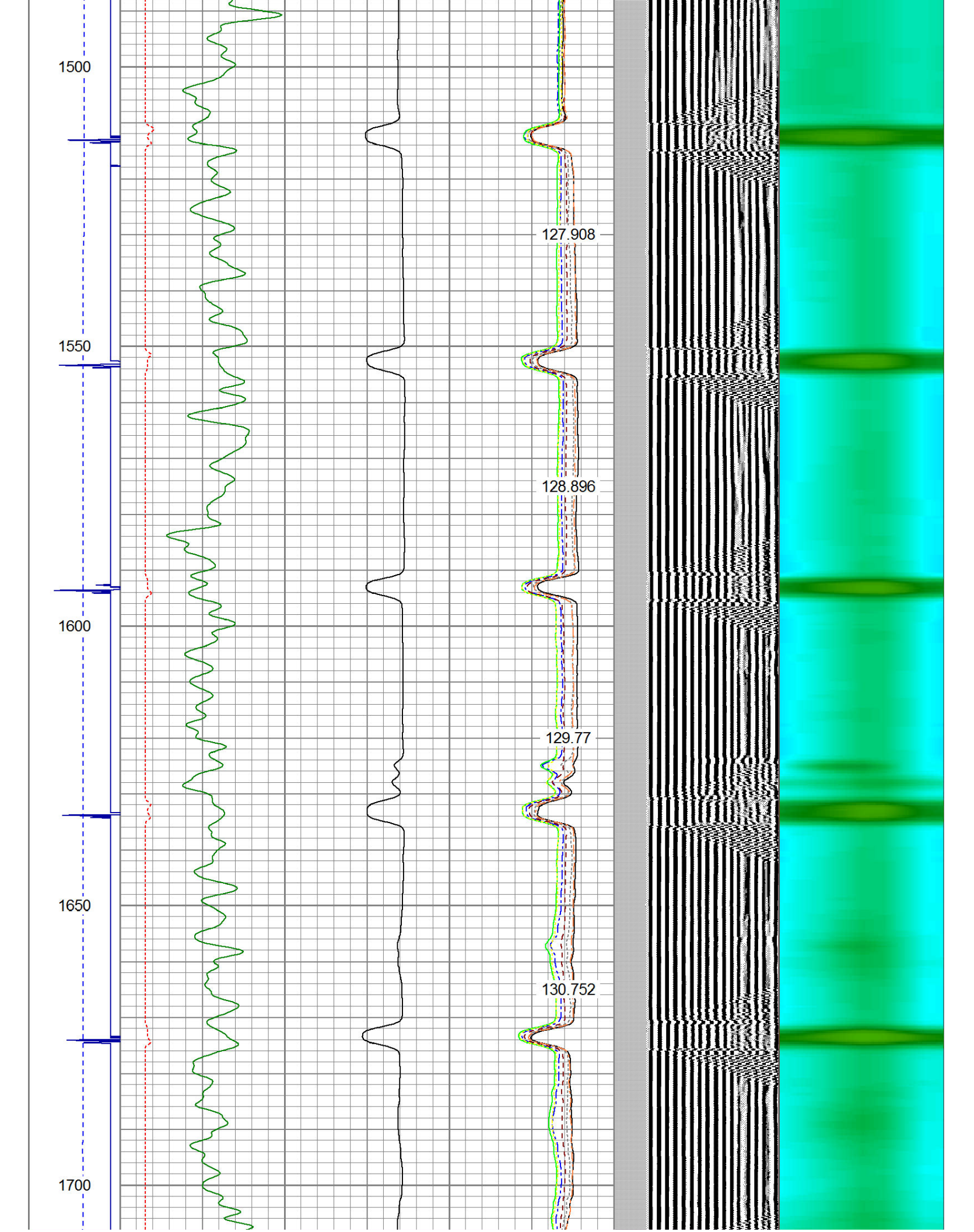
1700

127.908

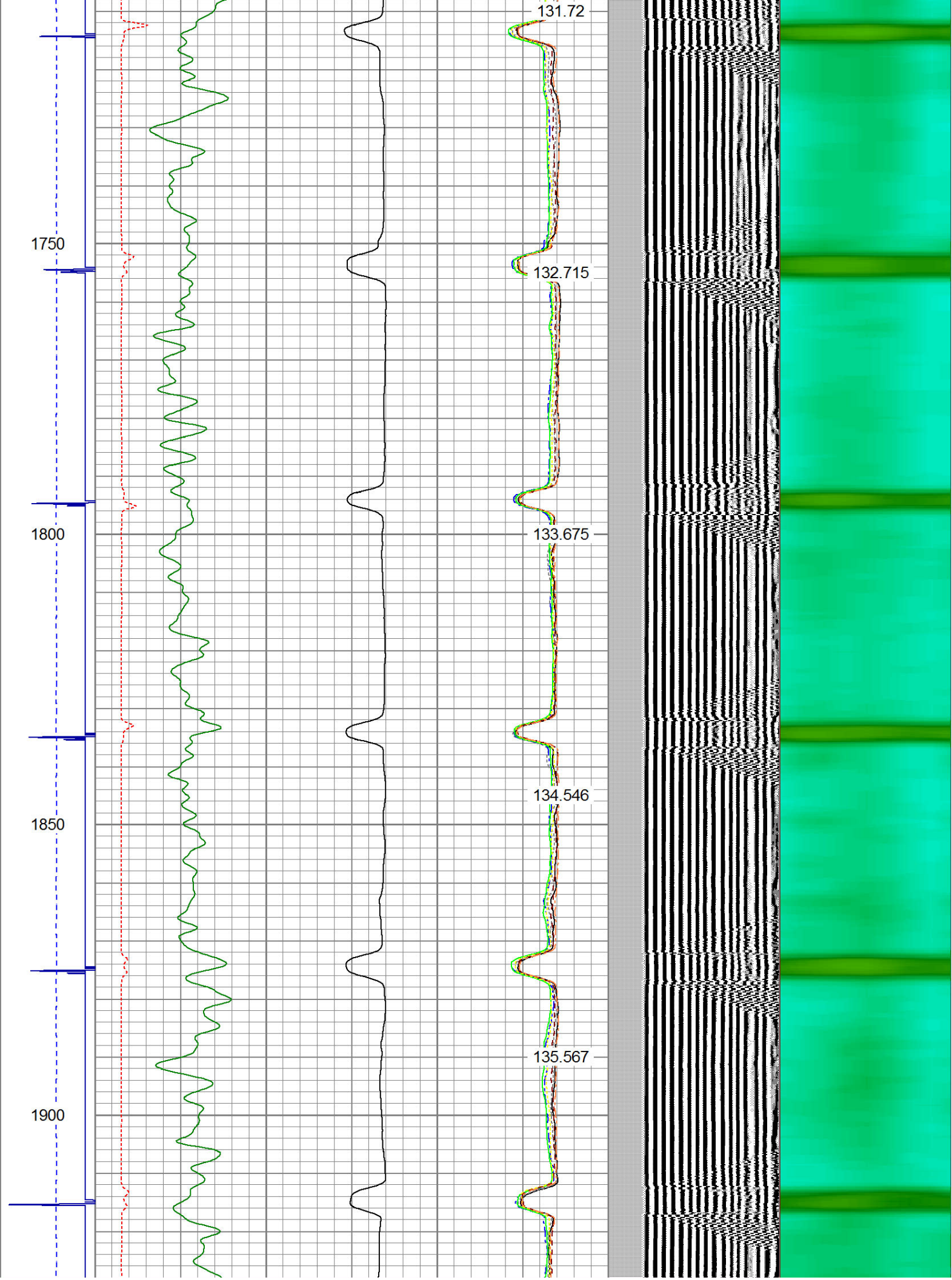
128.896

129.77

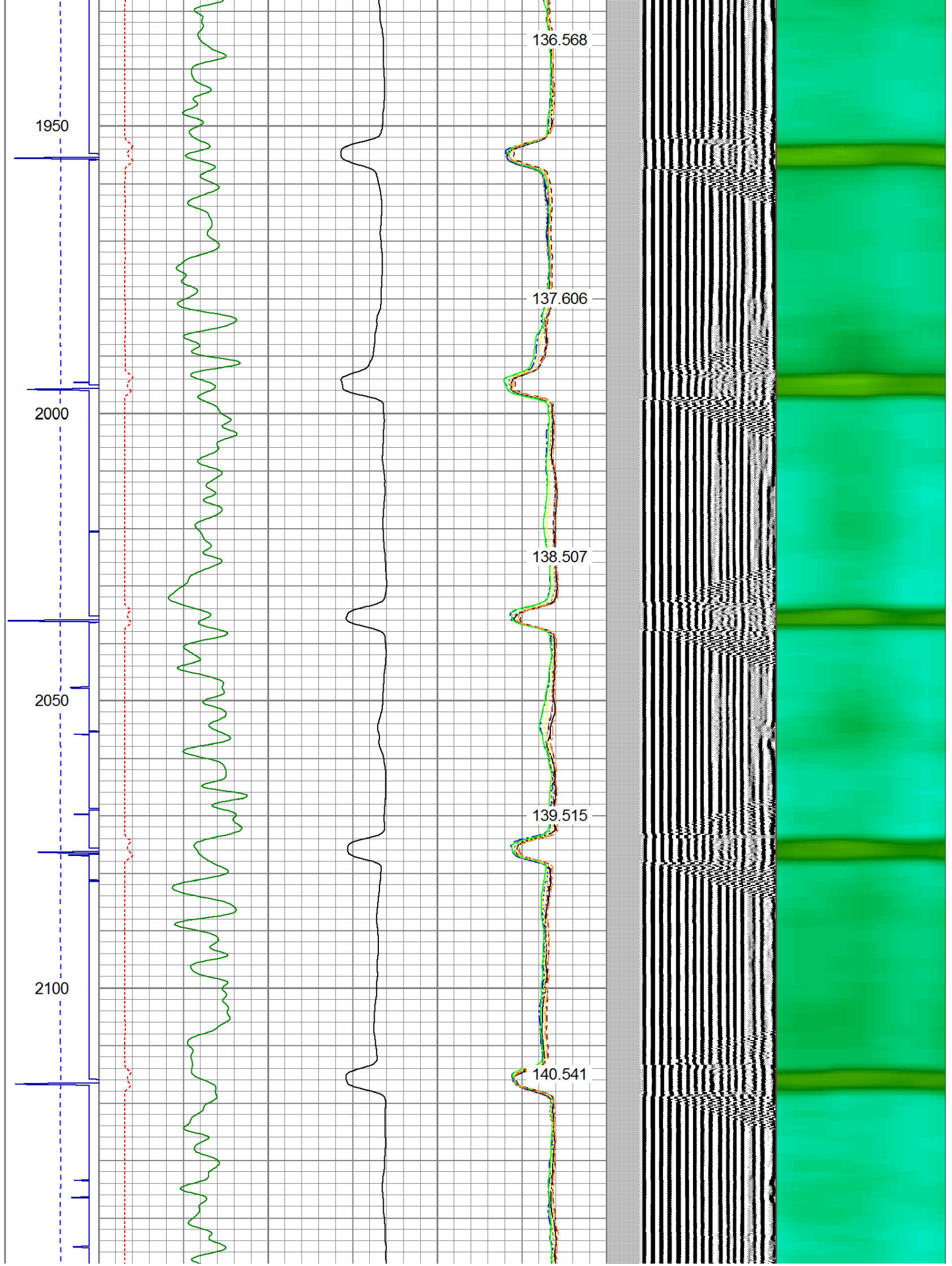
130.752



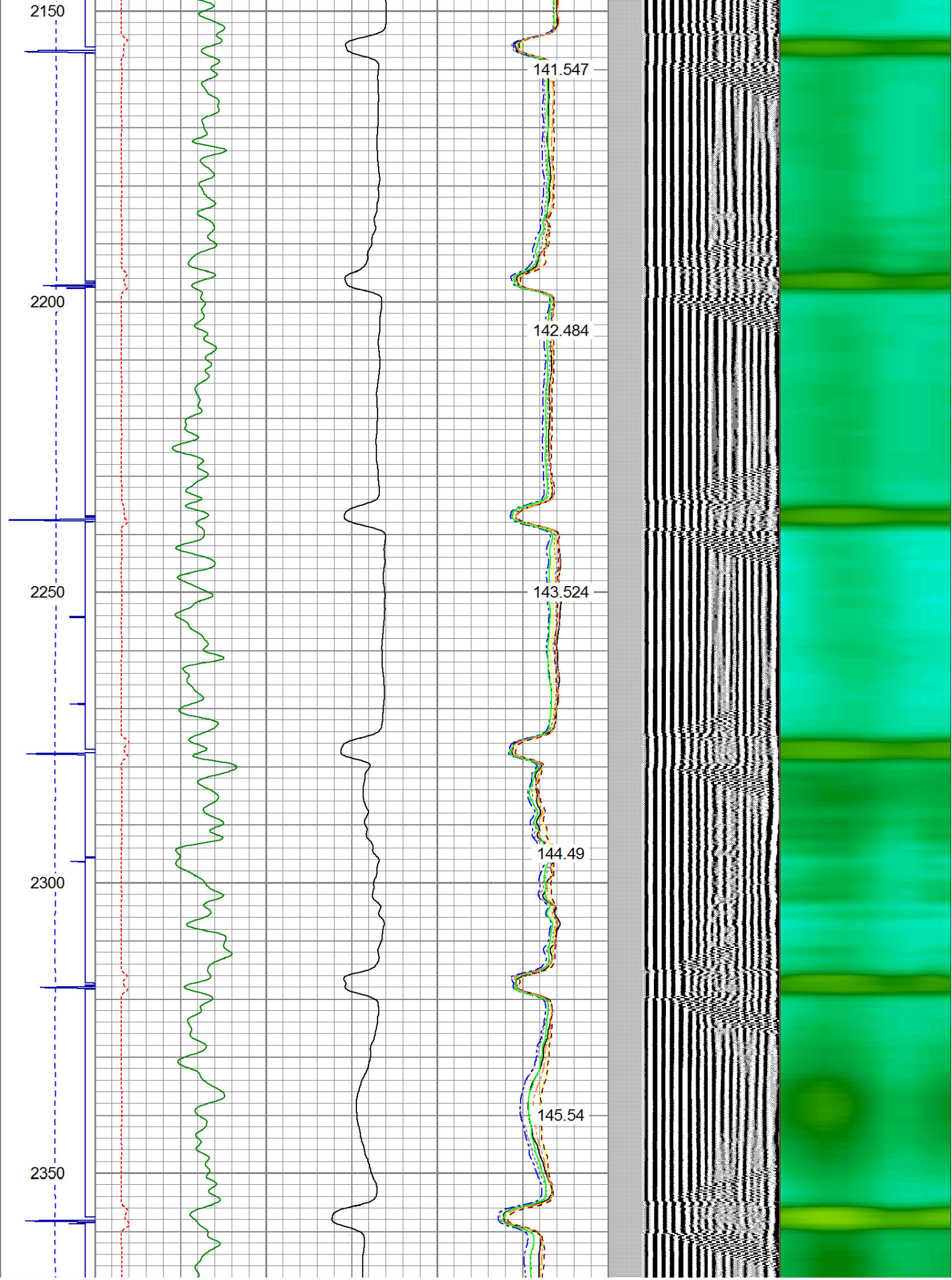




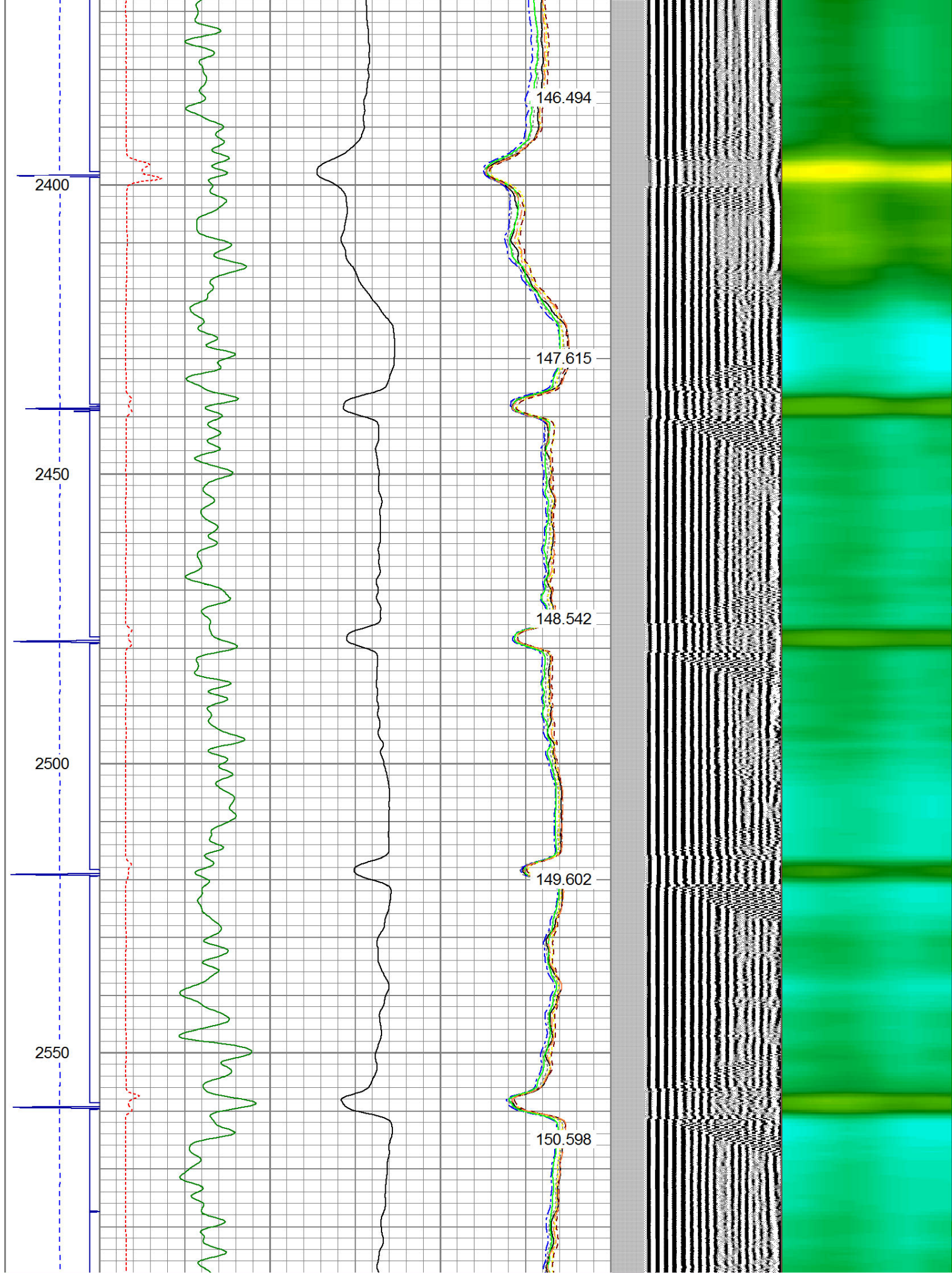




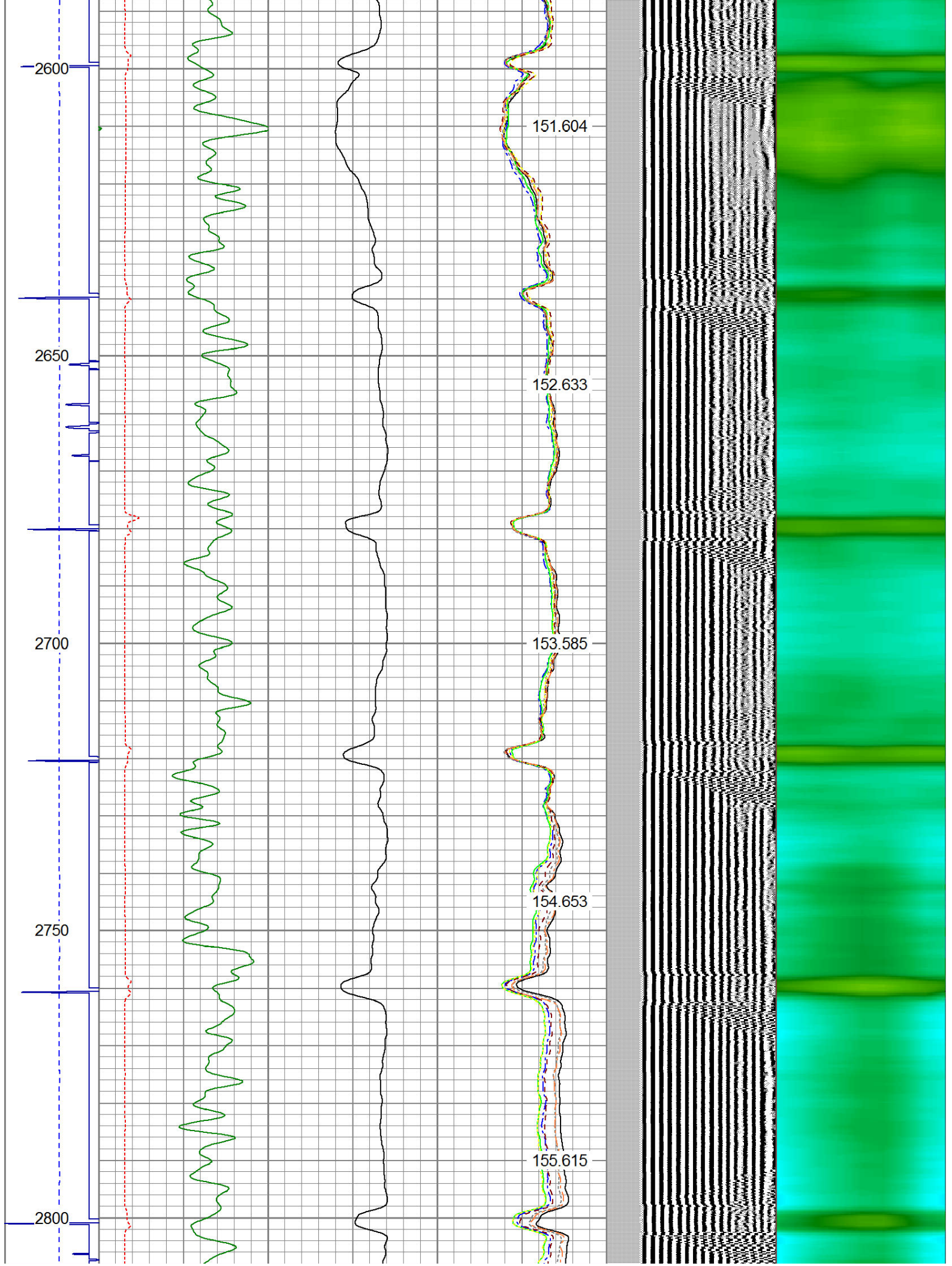




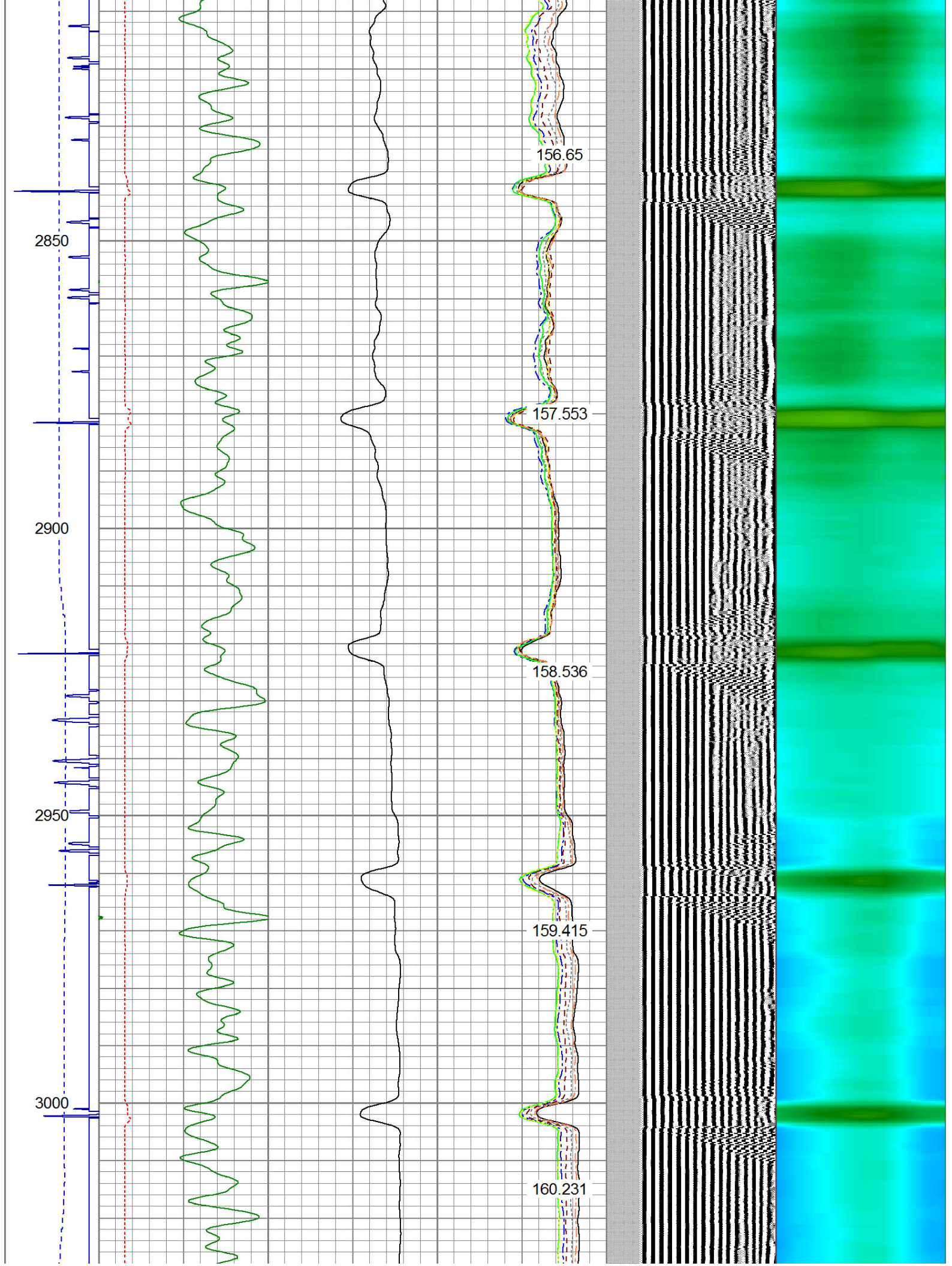




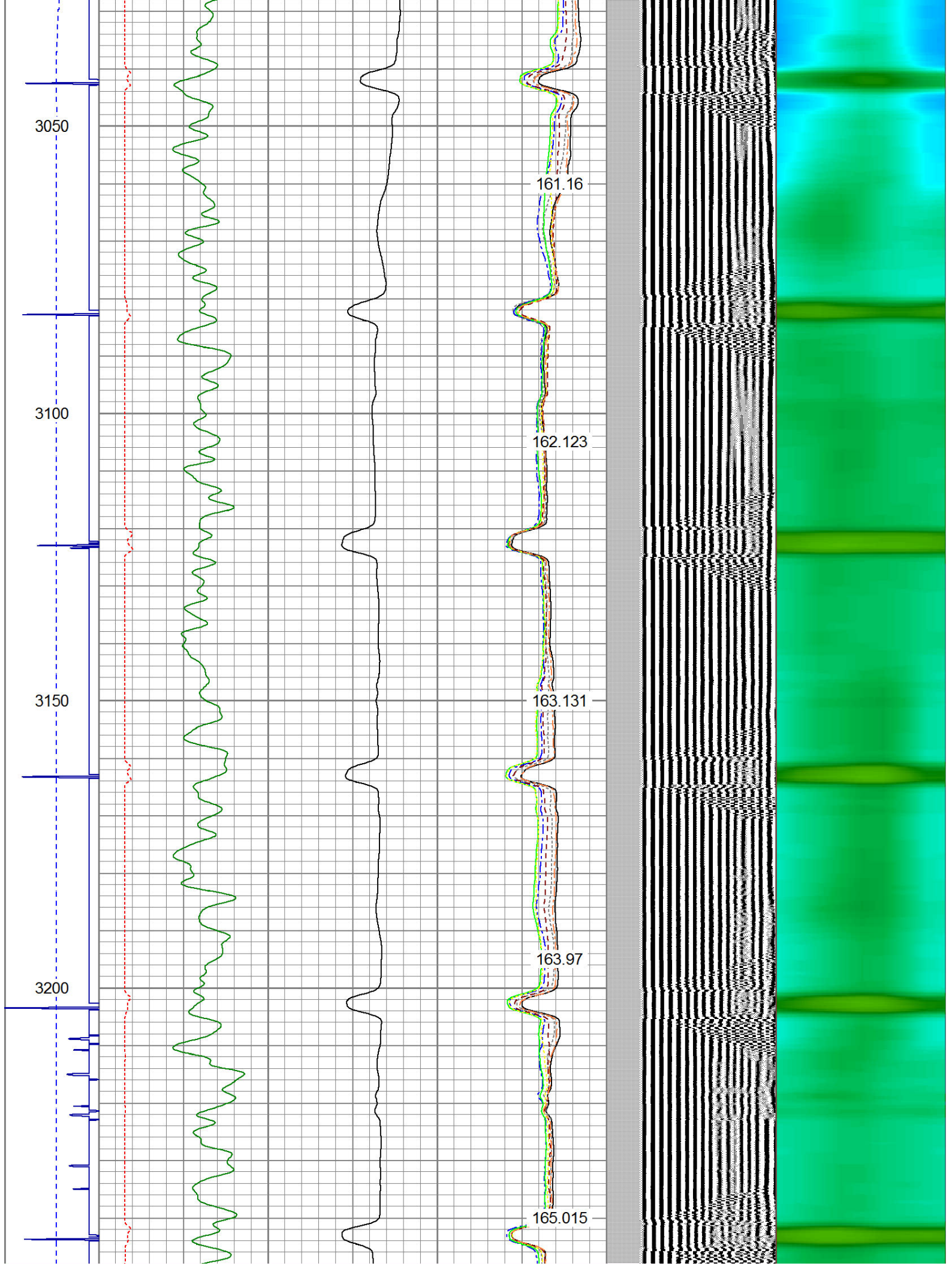




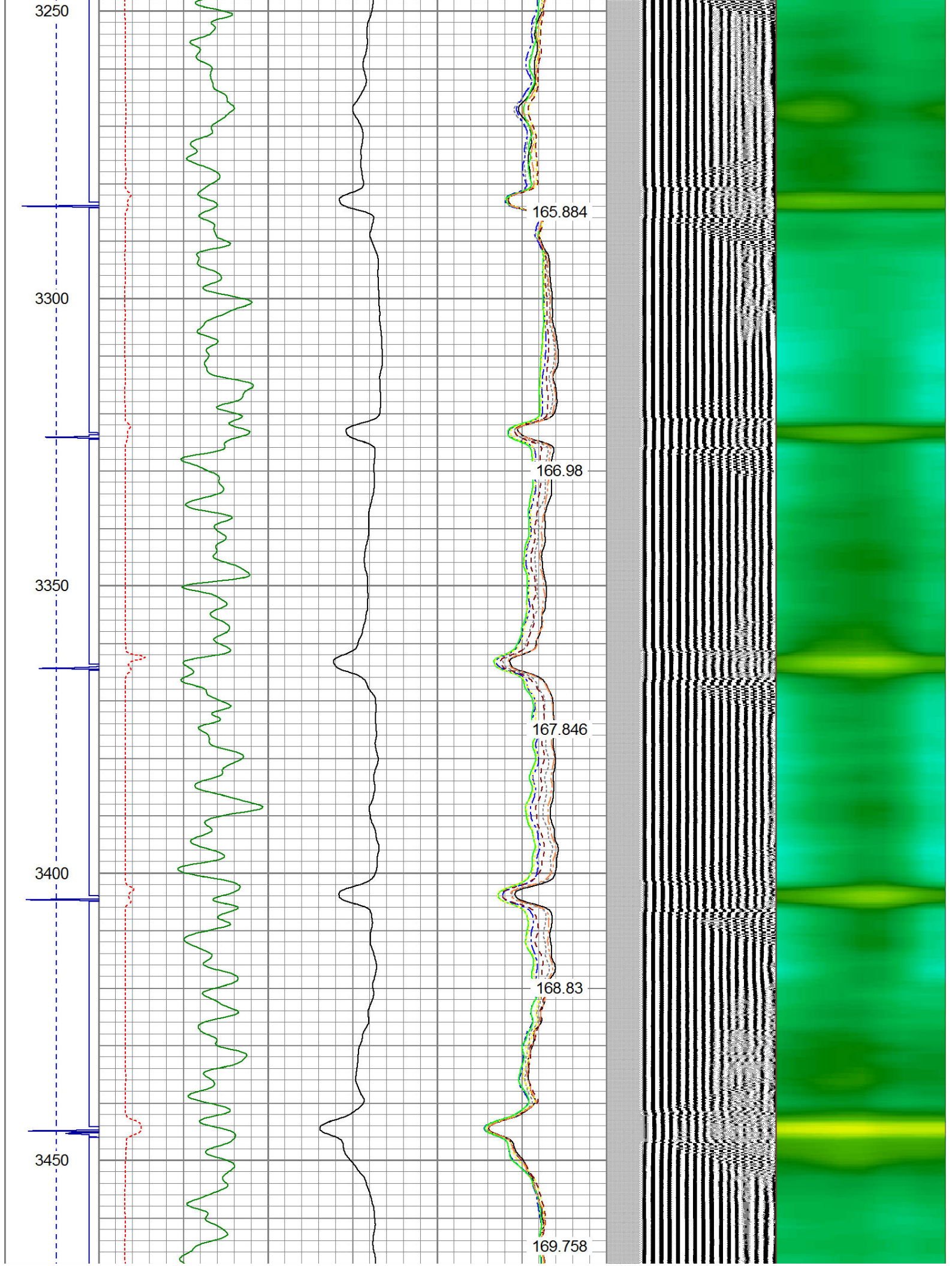




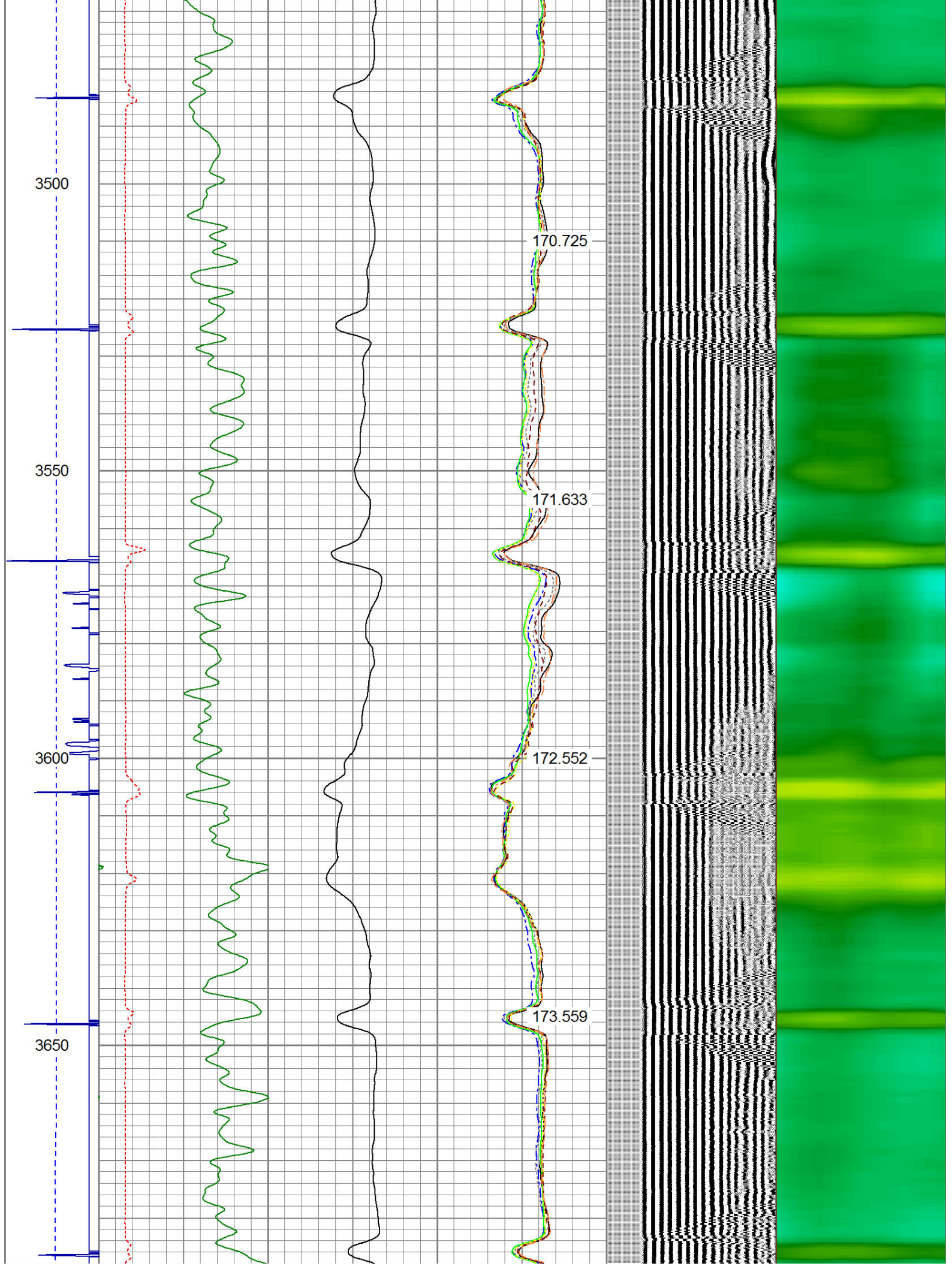




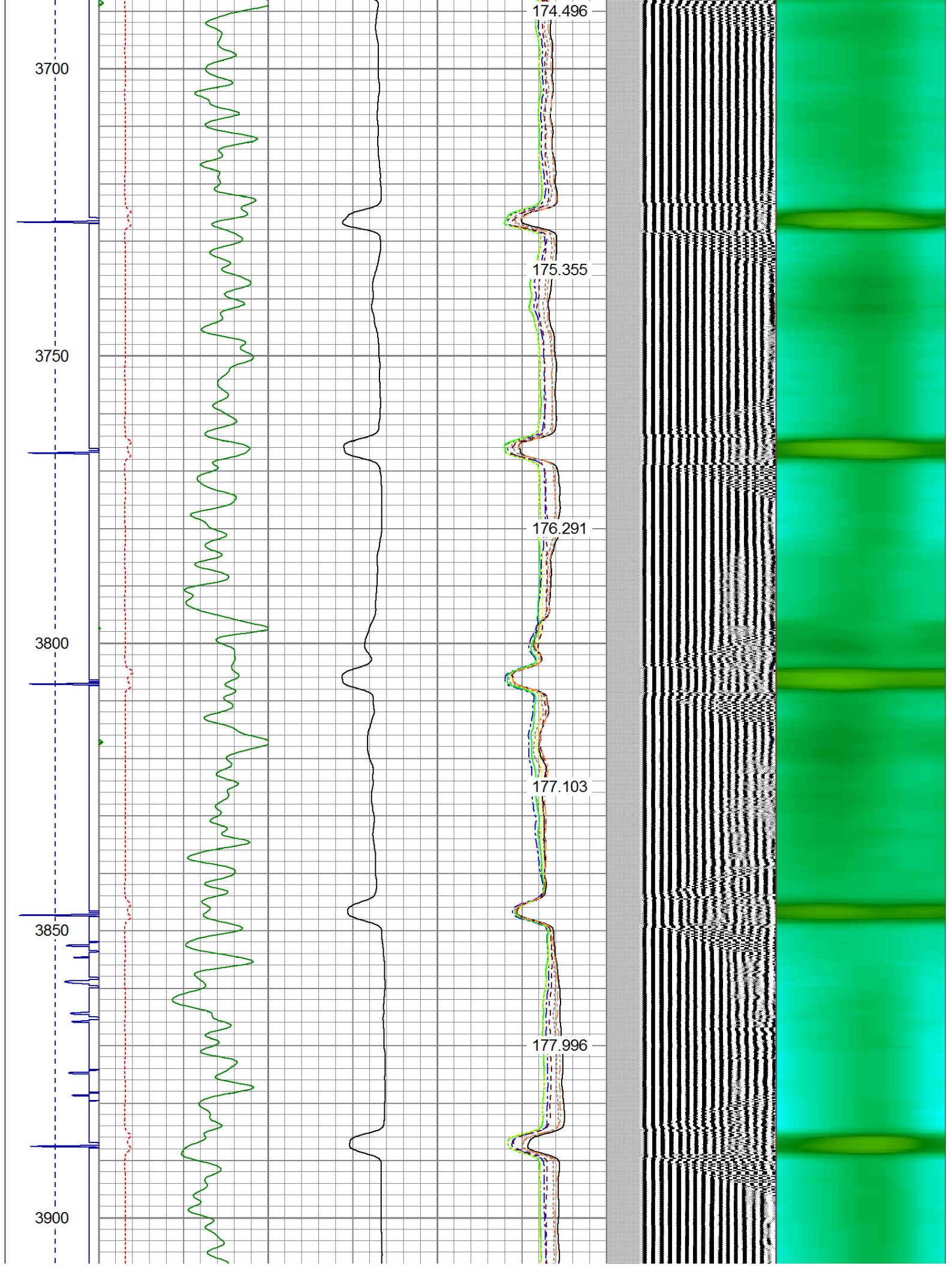




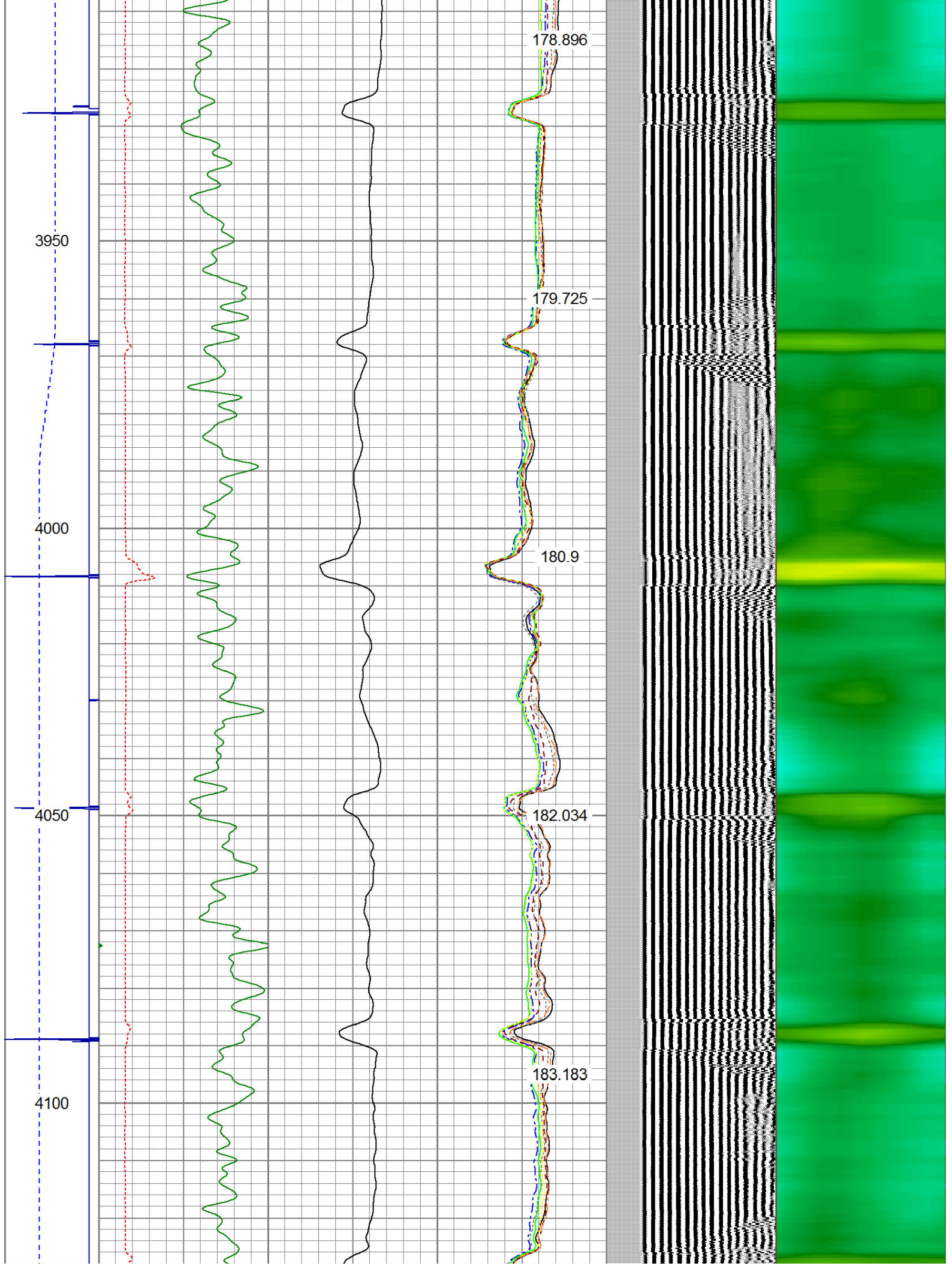




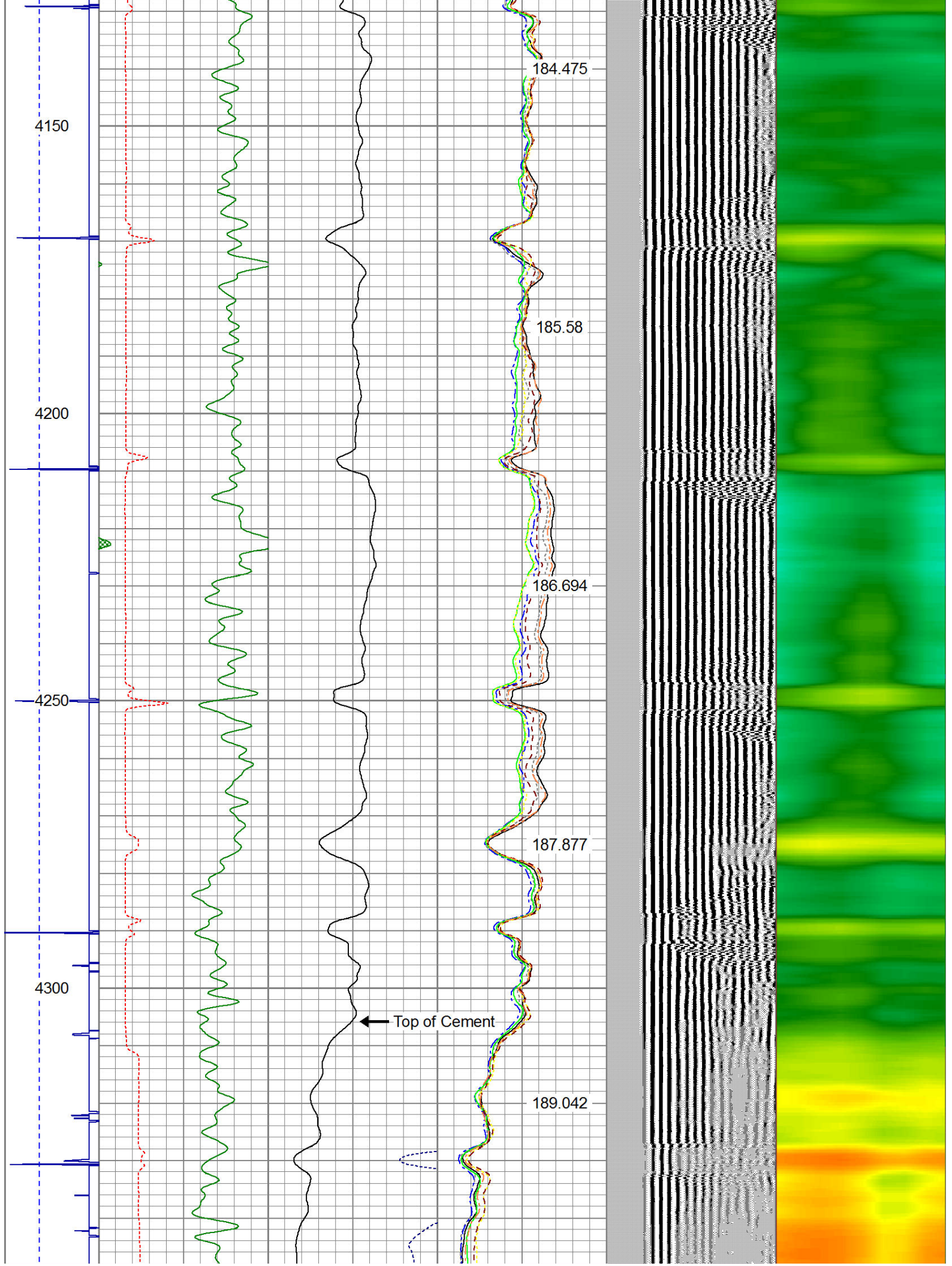




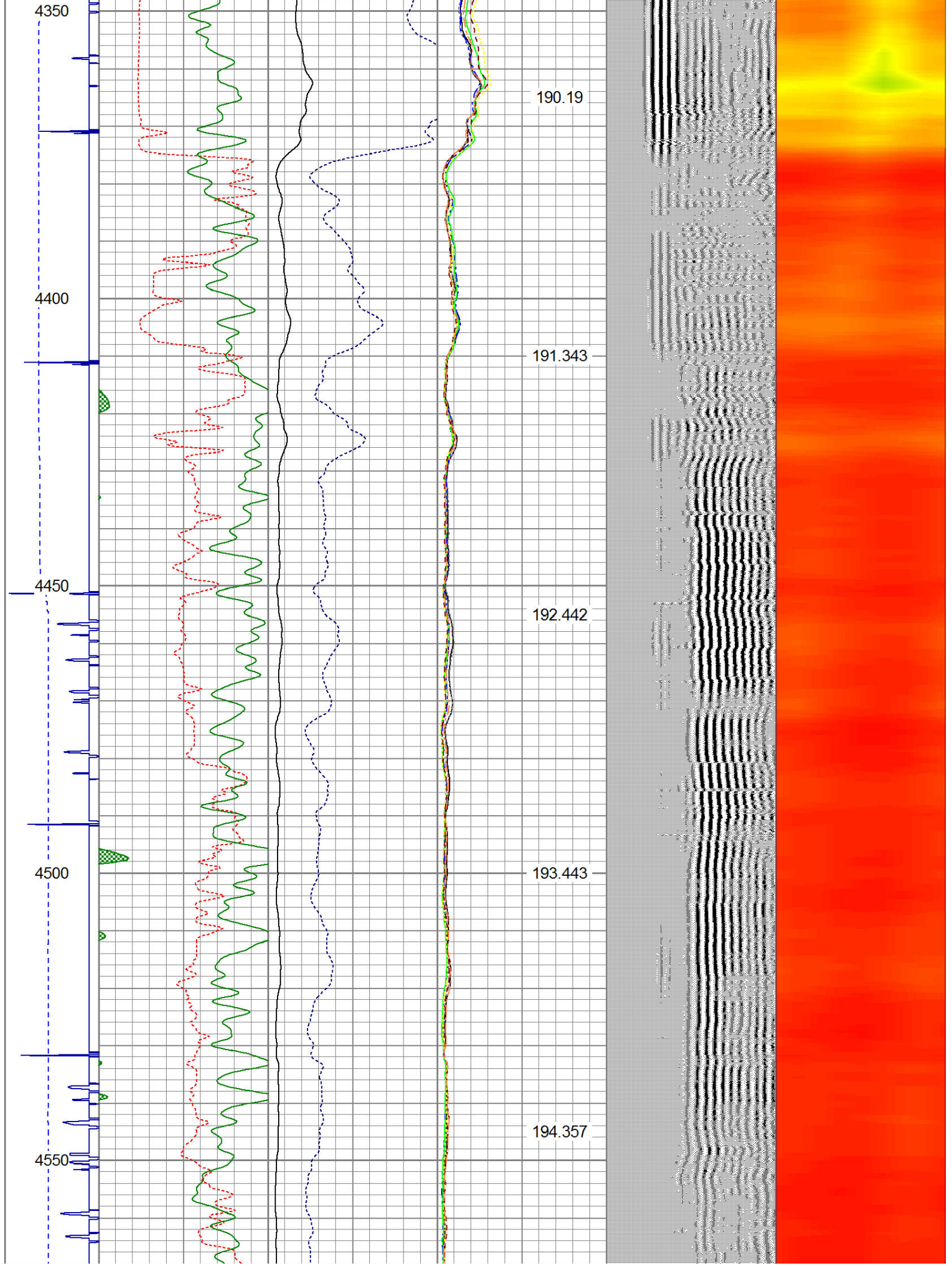




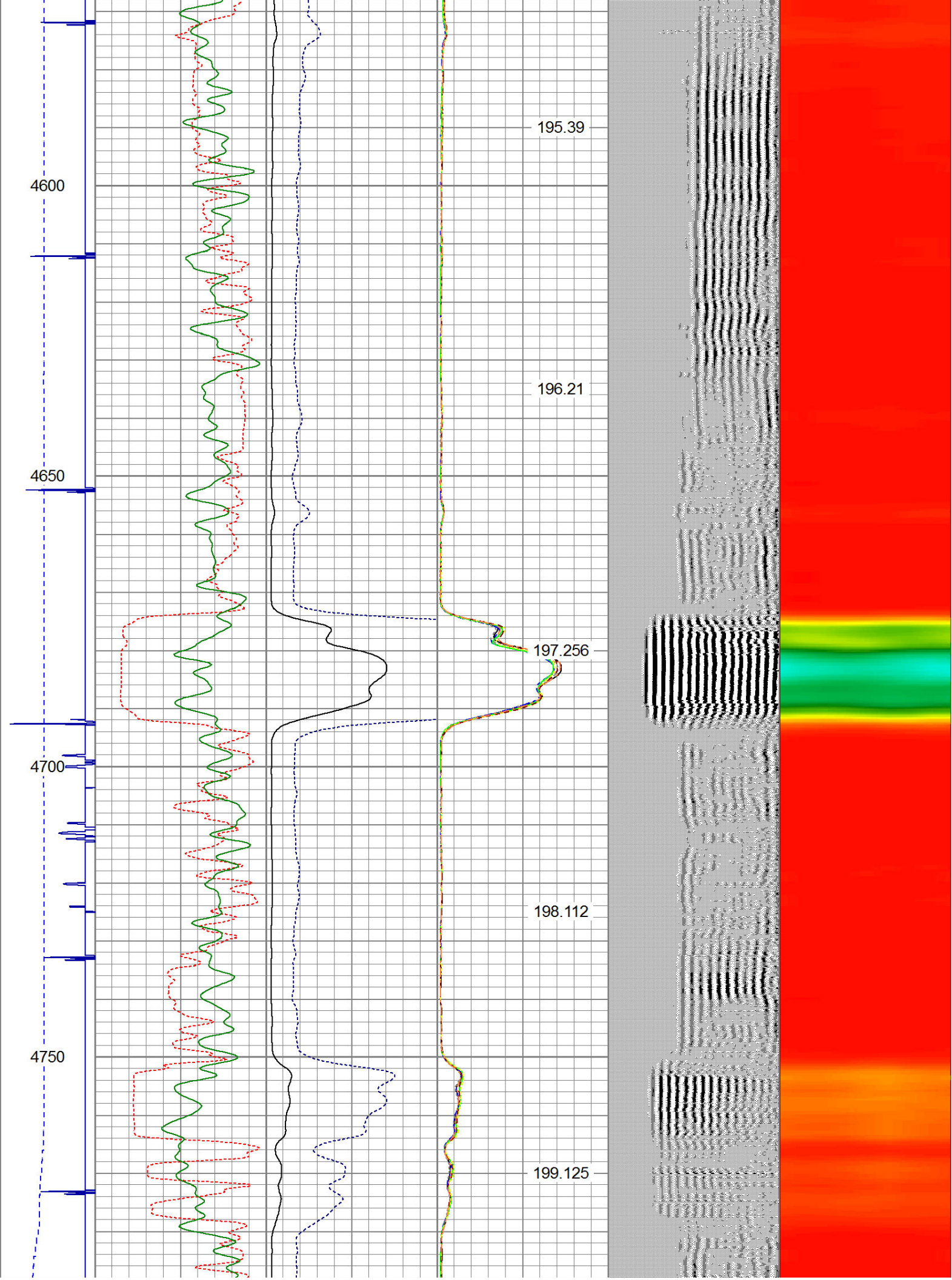




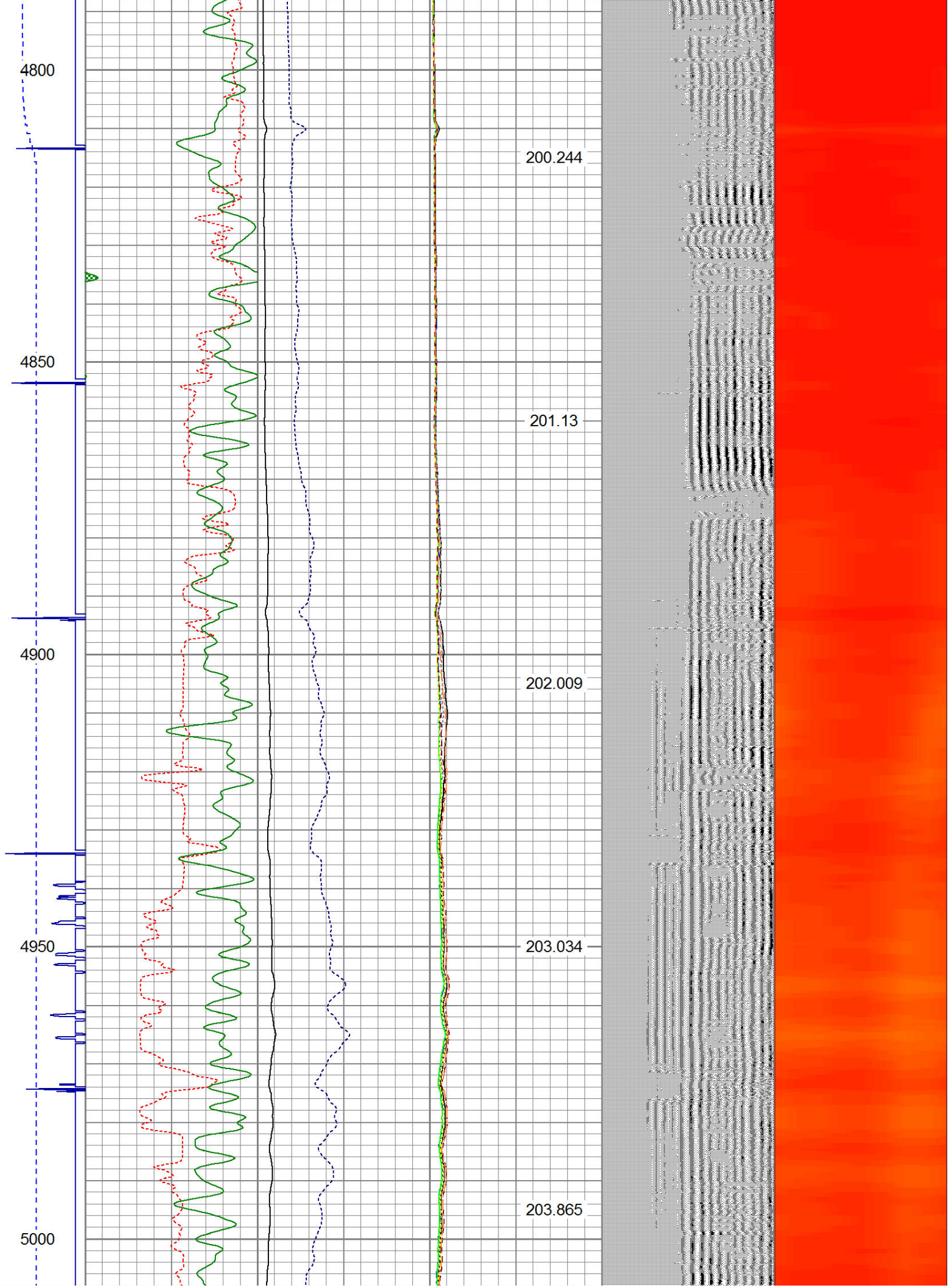




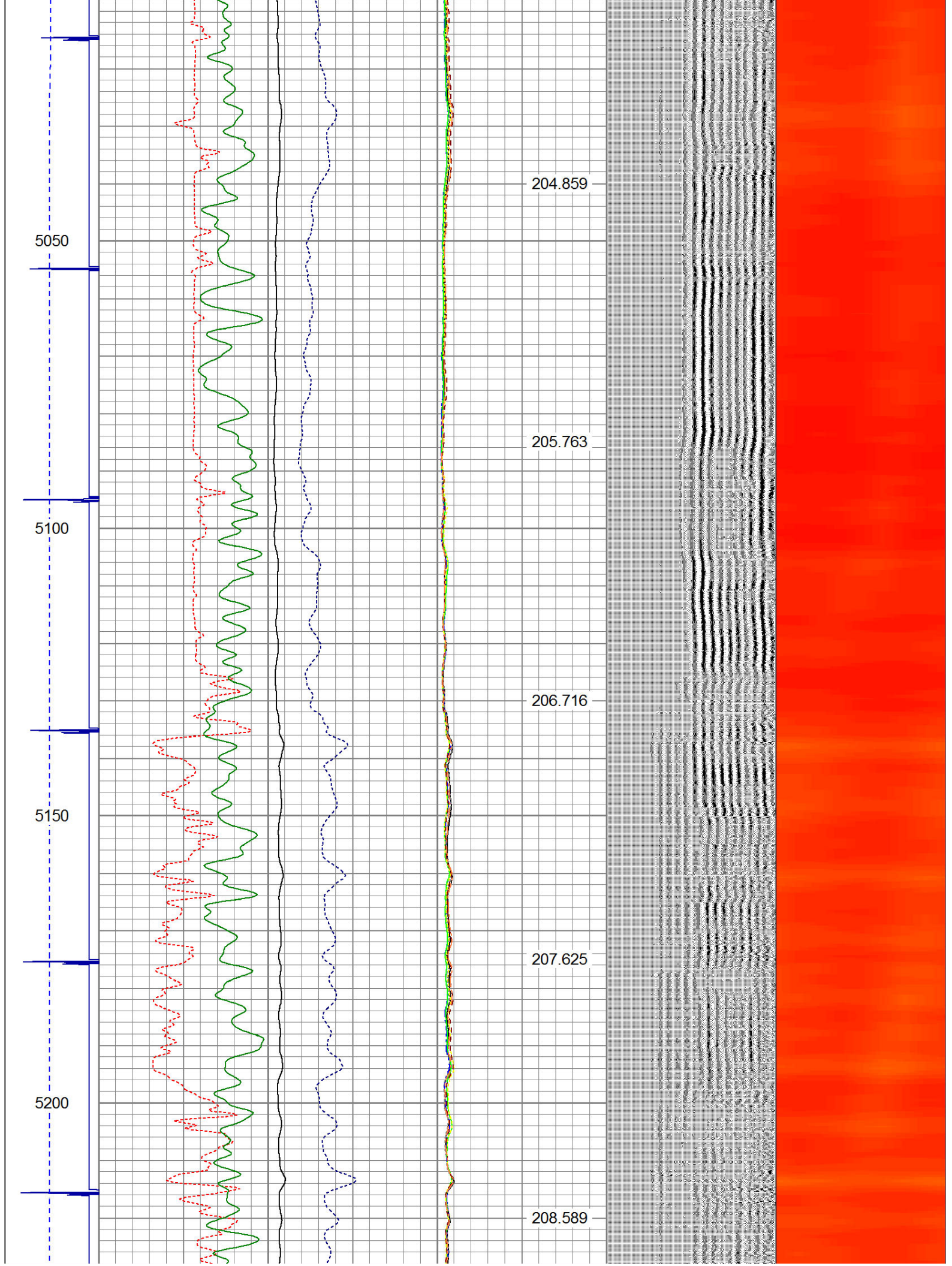














5250

209.384

5300

210.422

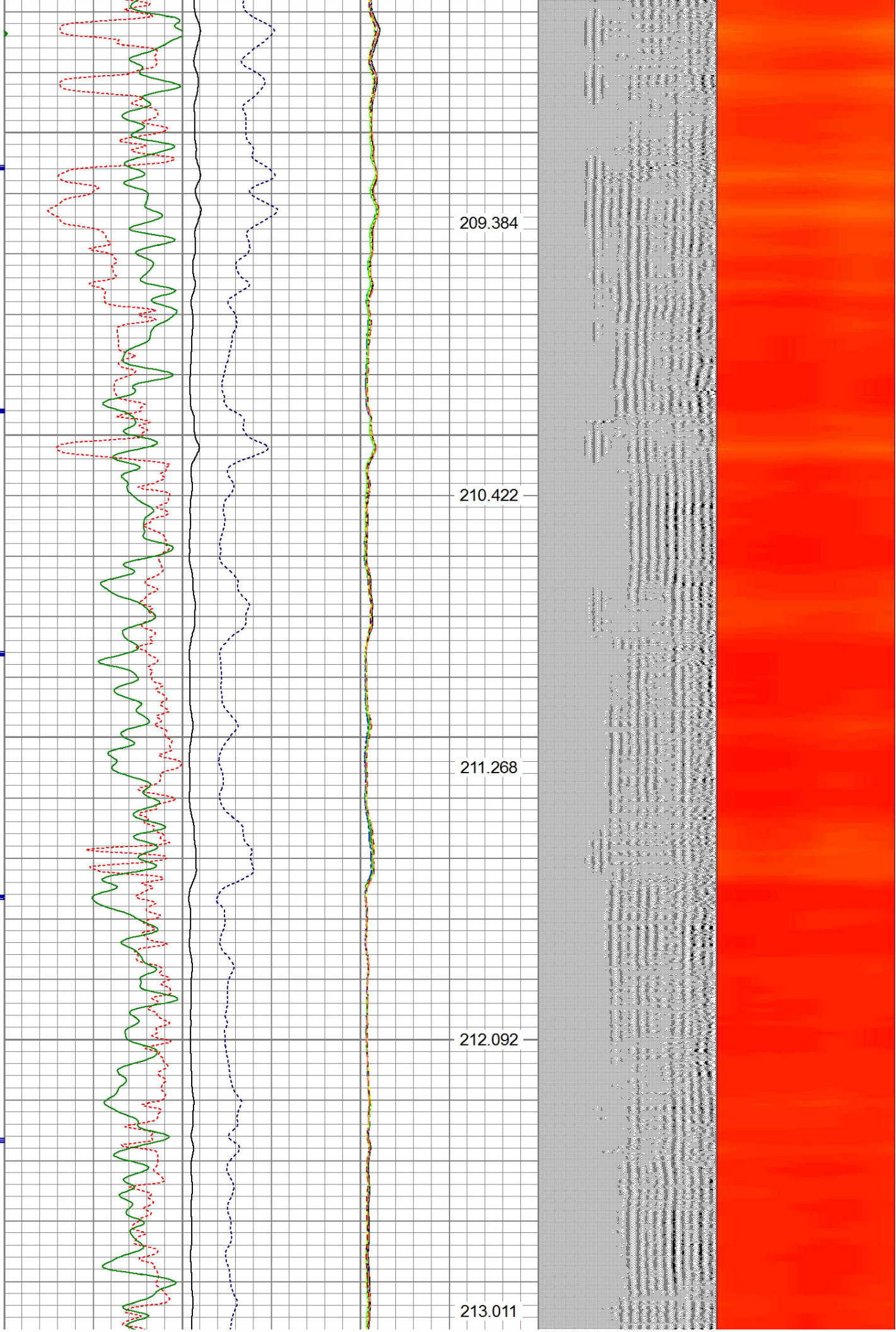
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211.268

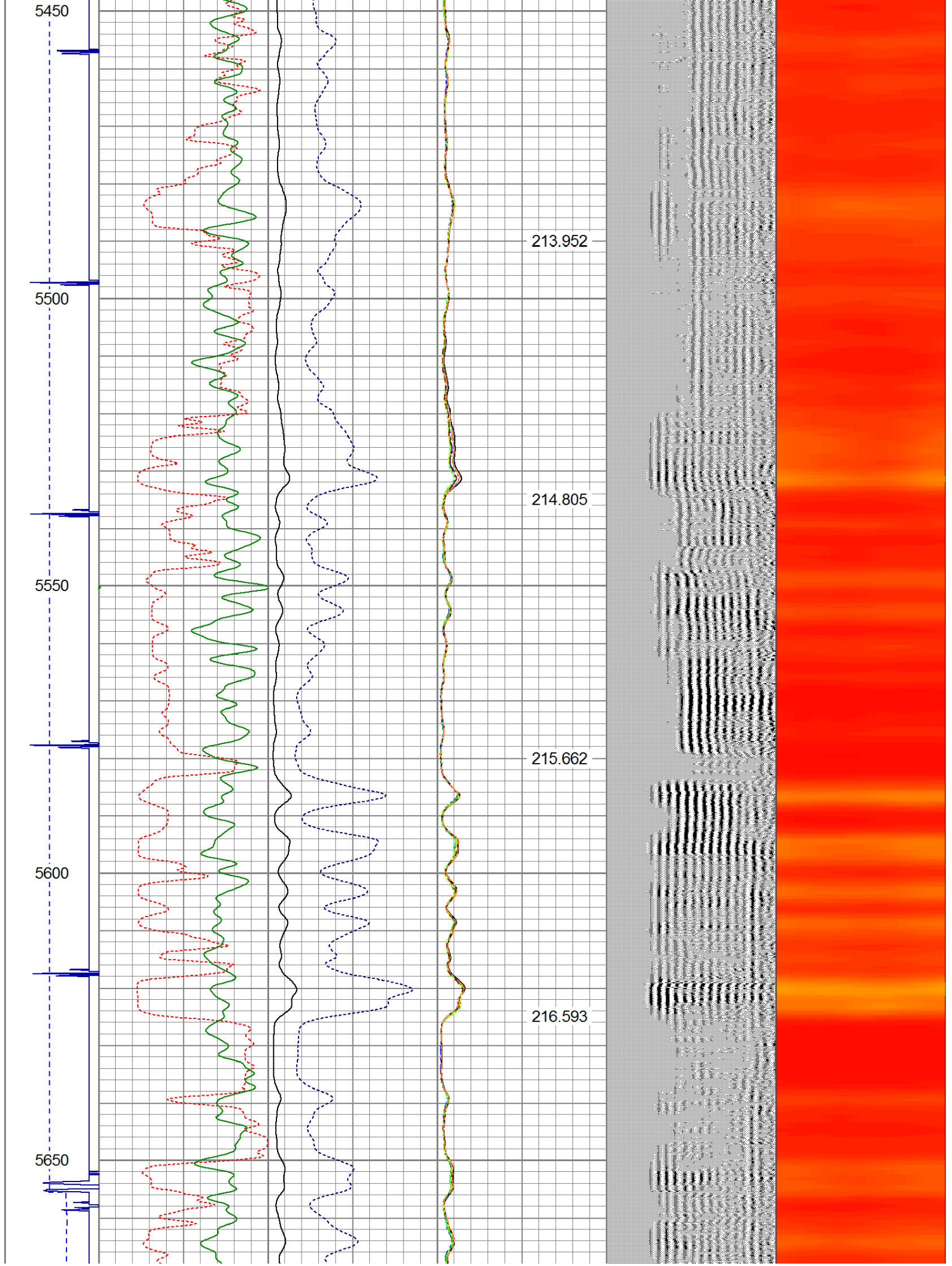
5400

212.092

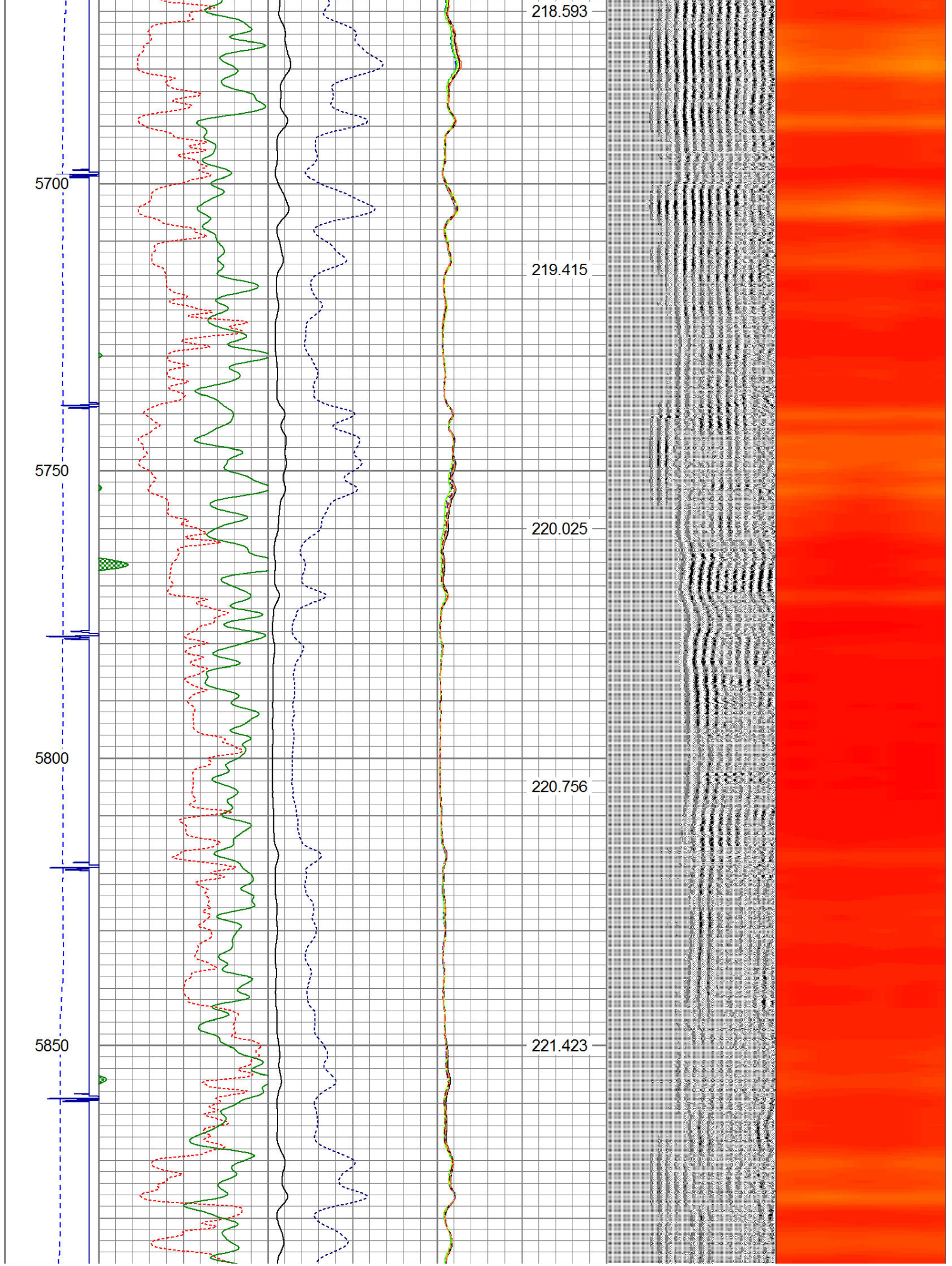
213.011



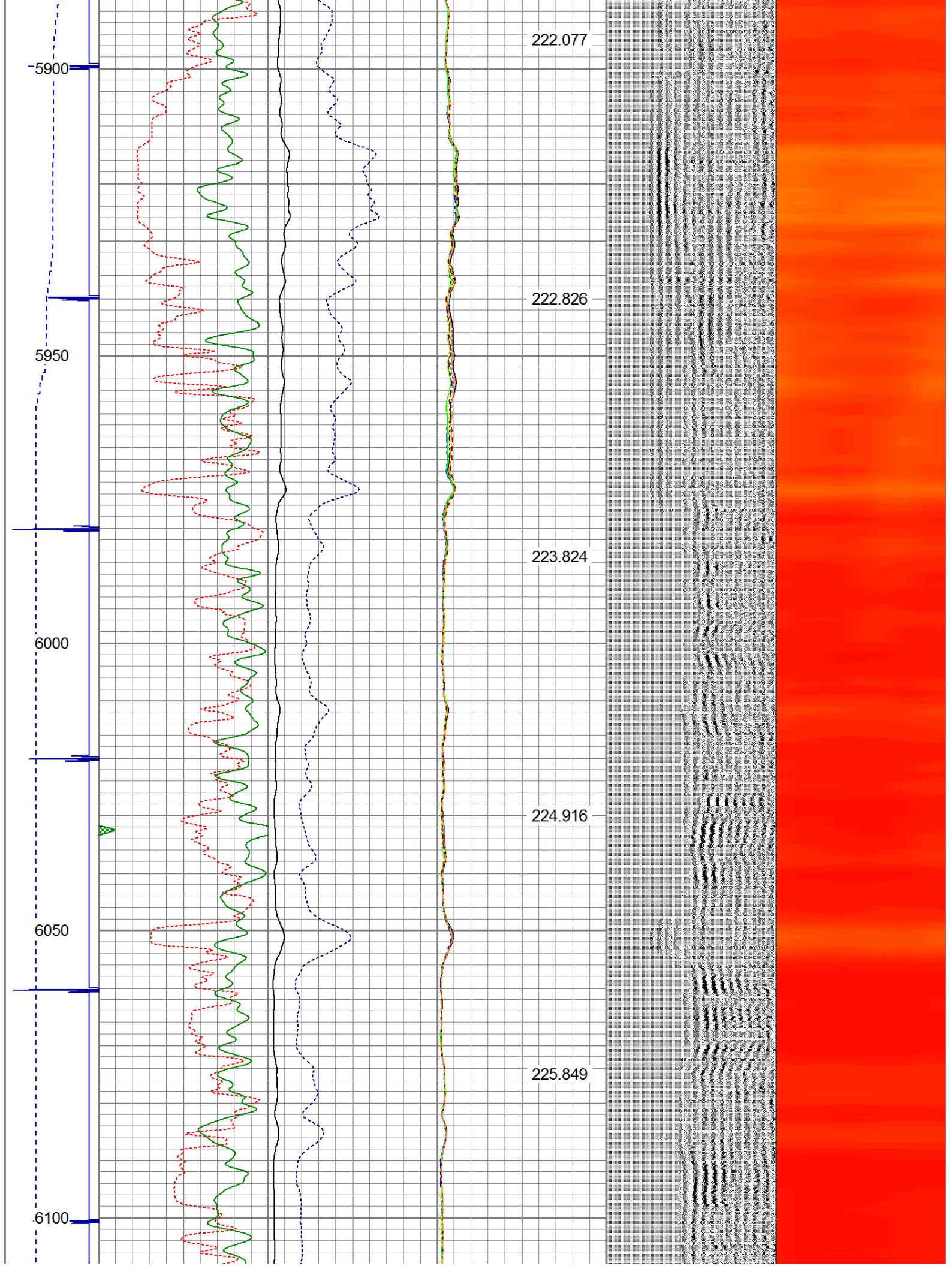




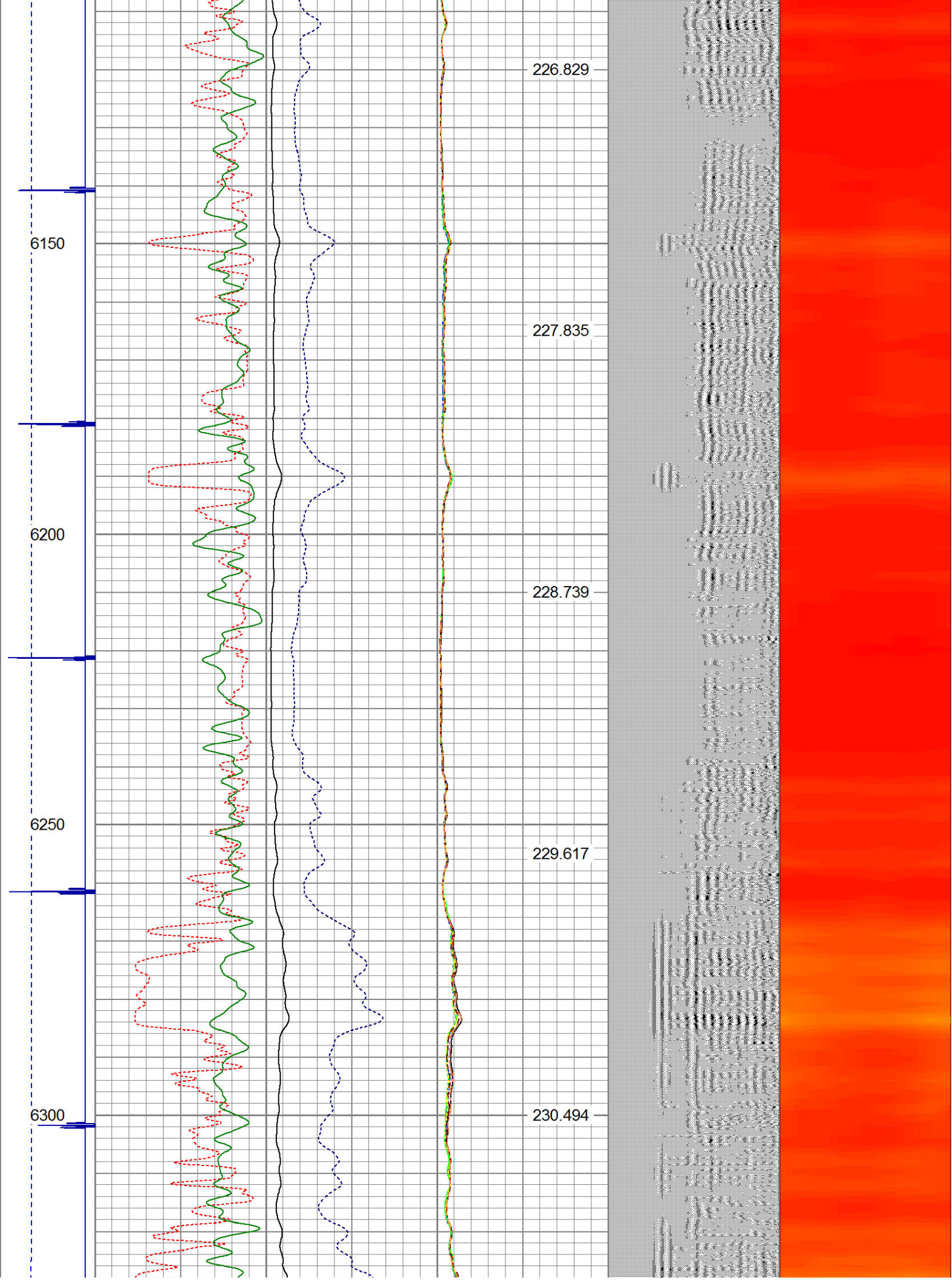




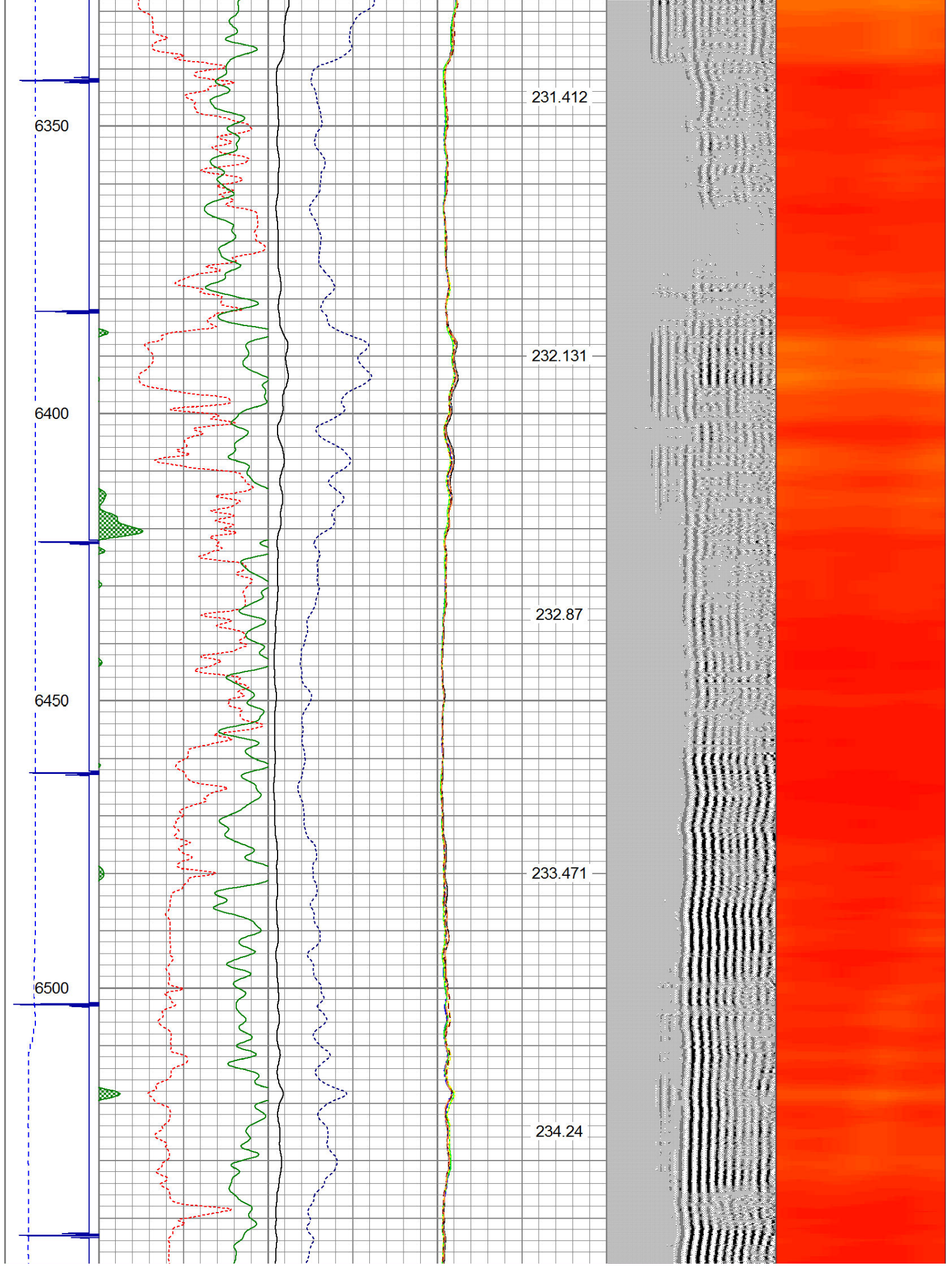




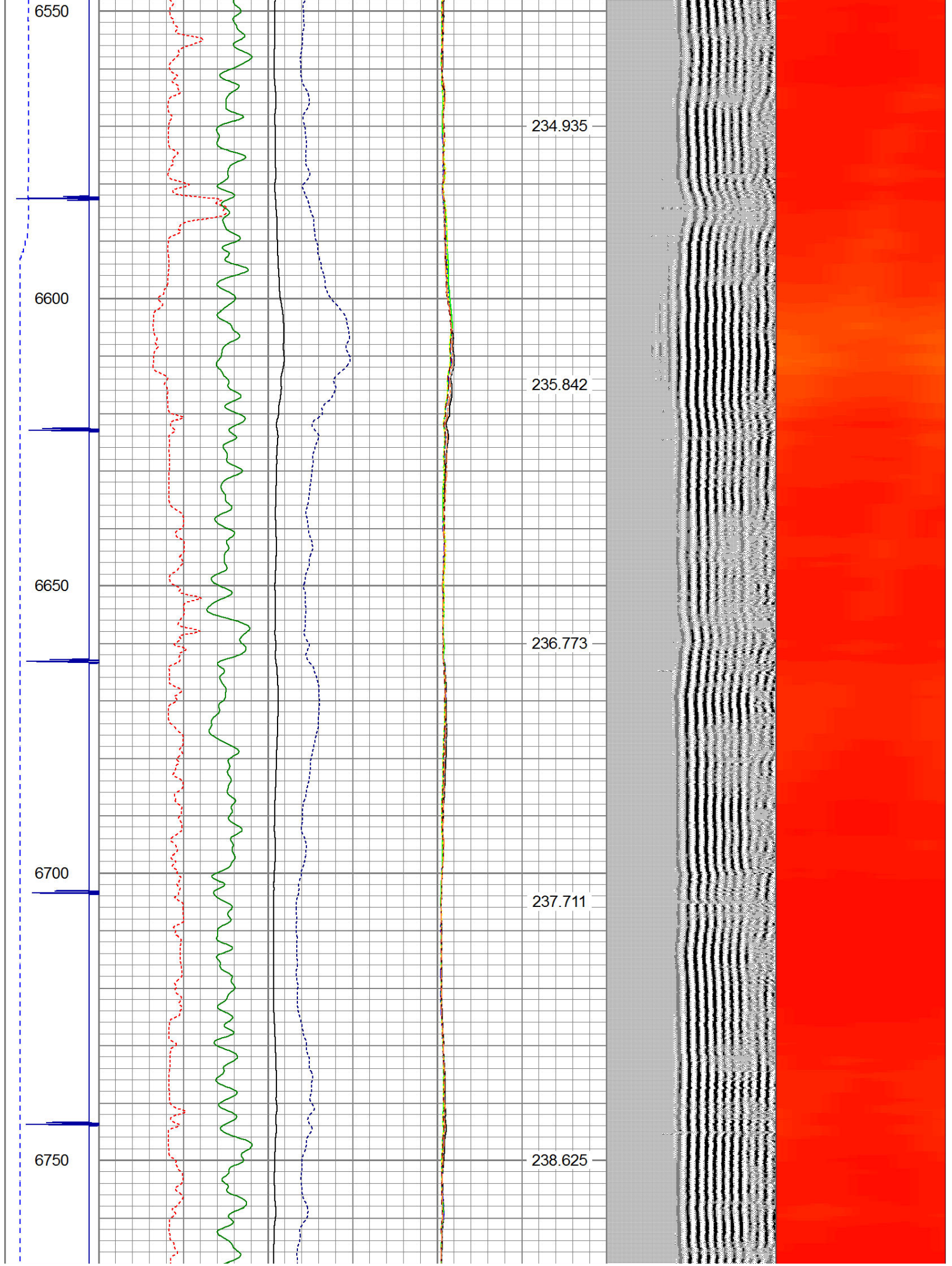




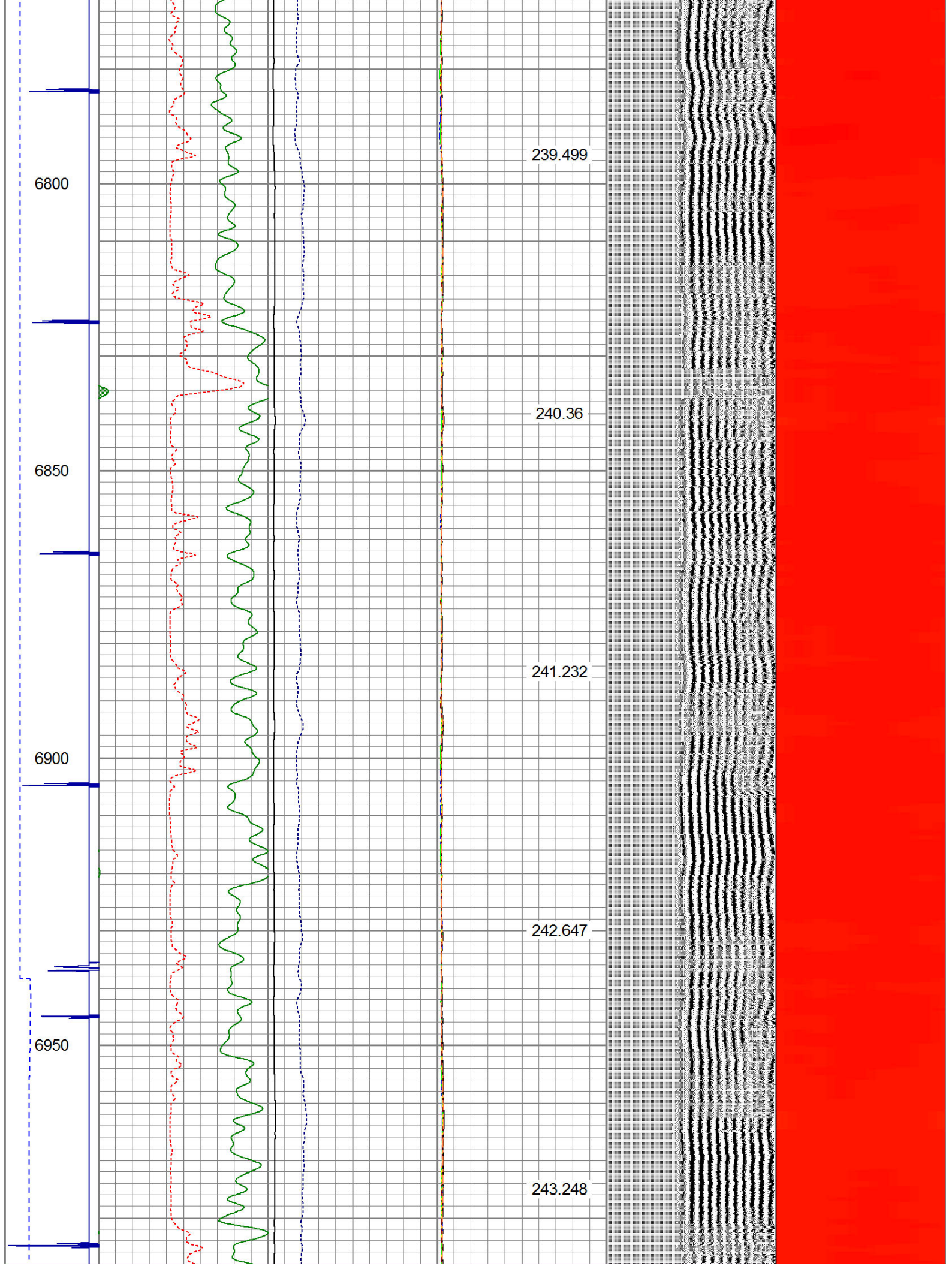




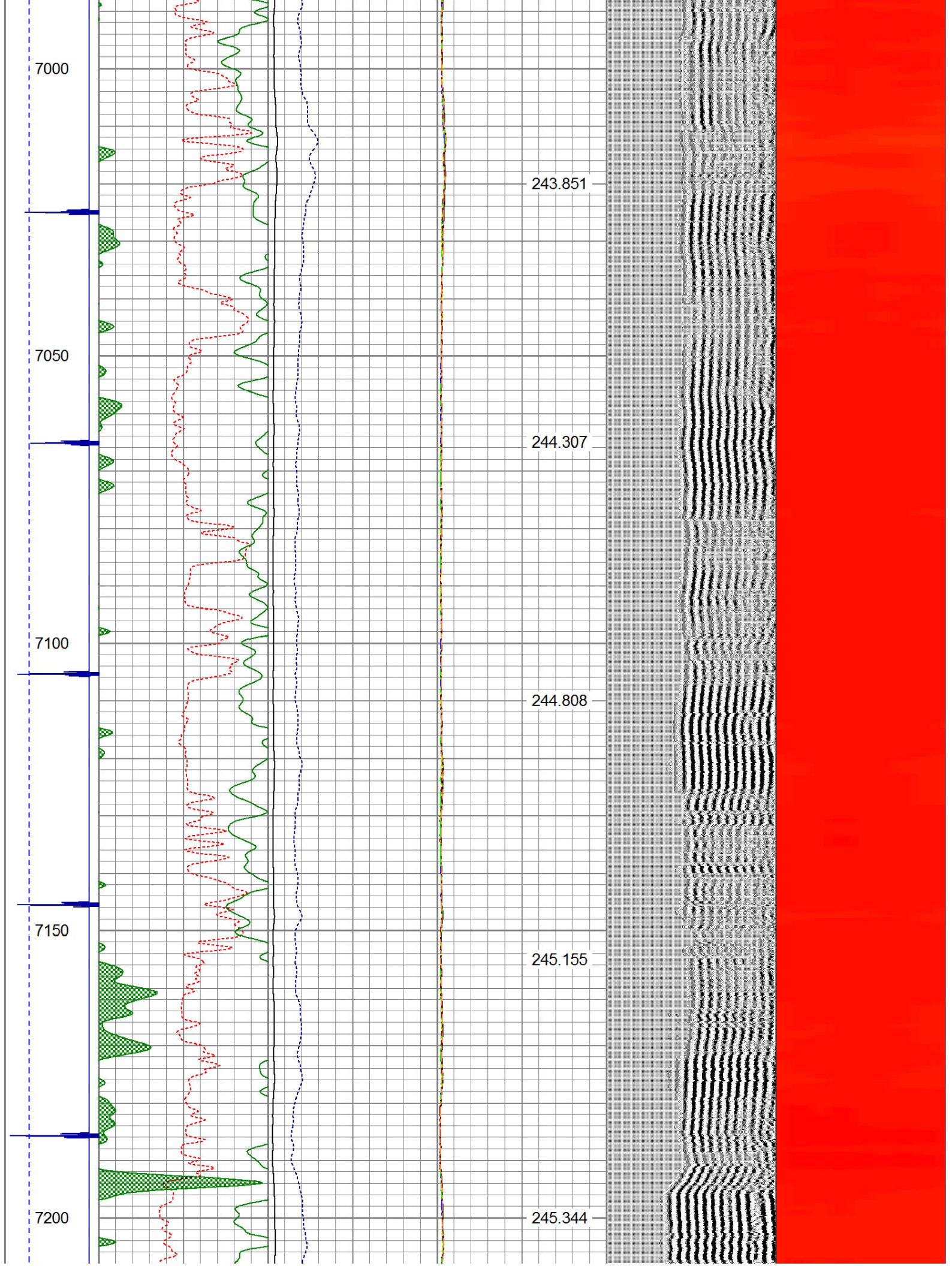




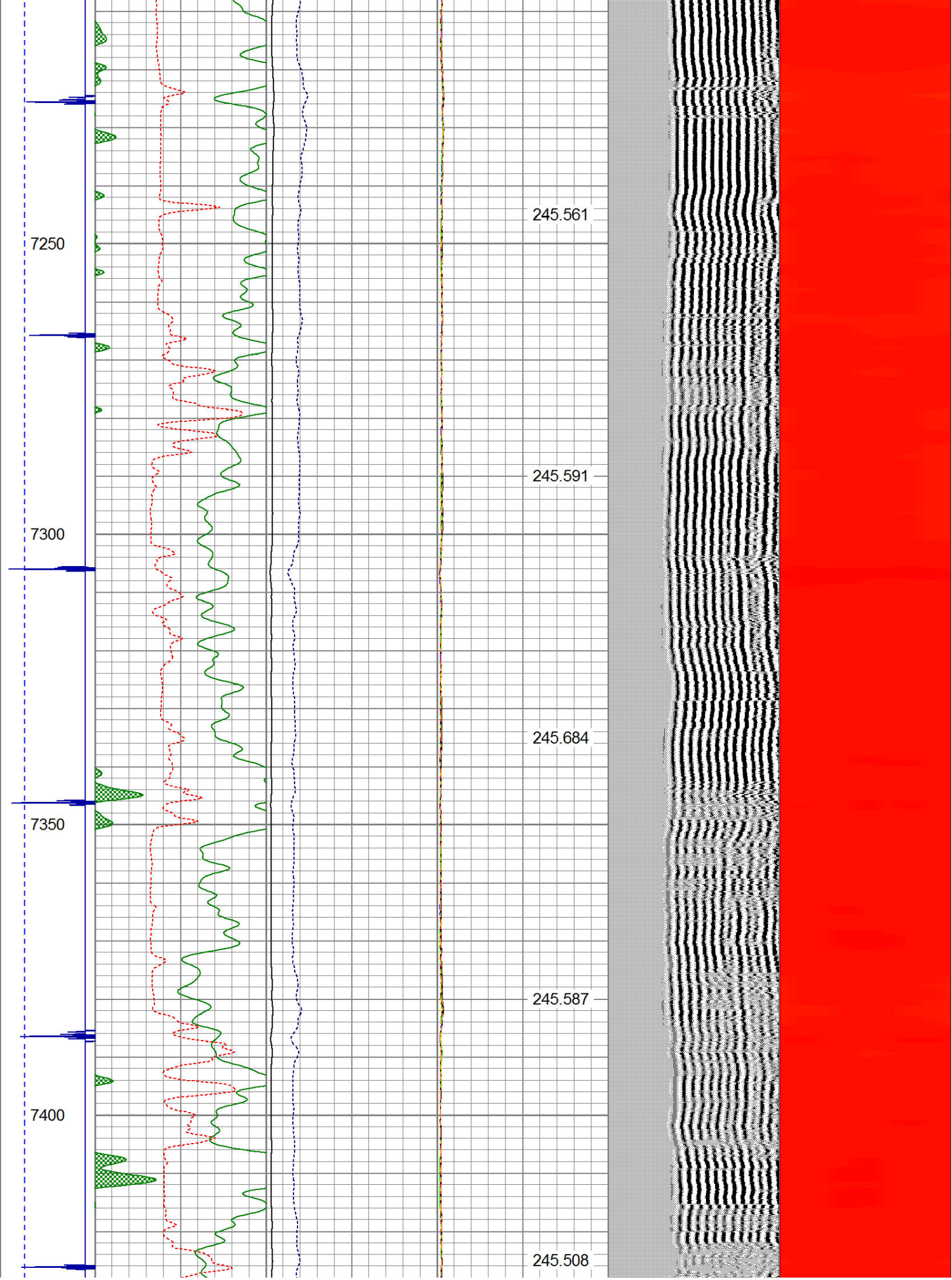




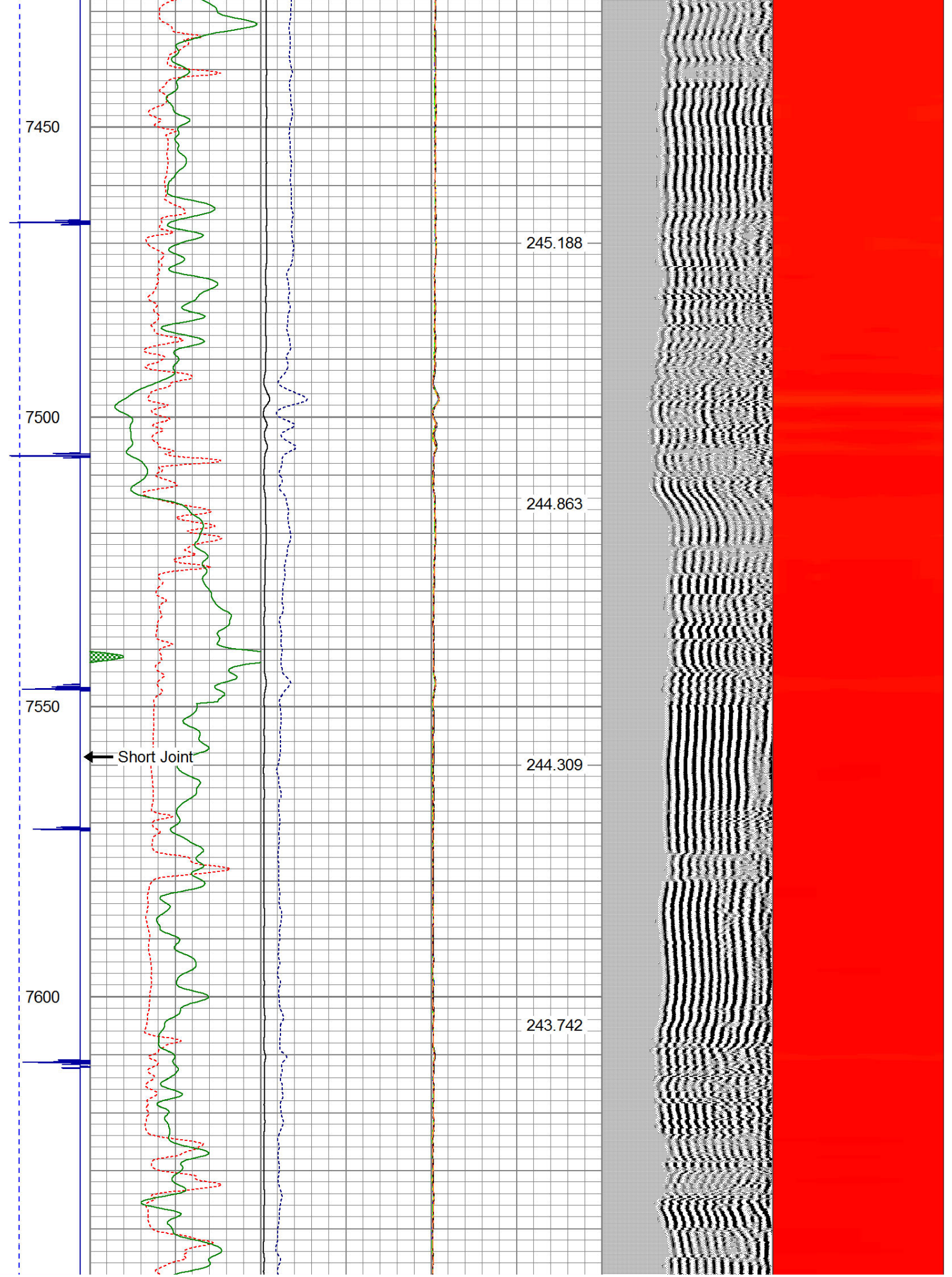




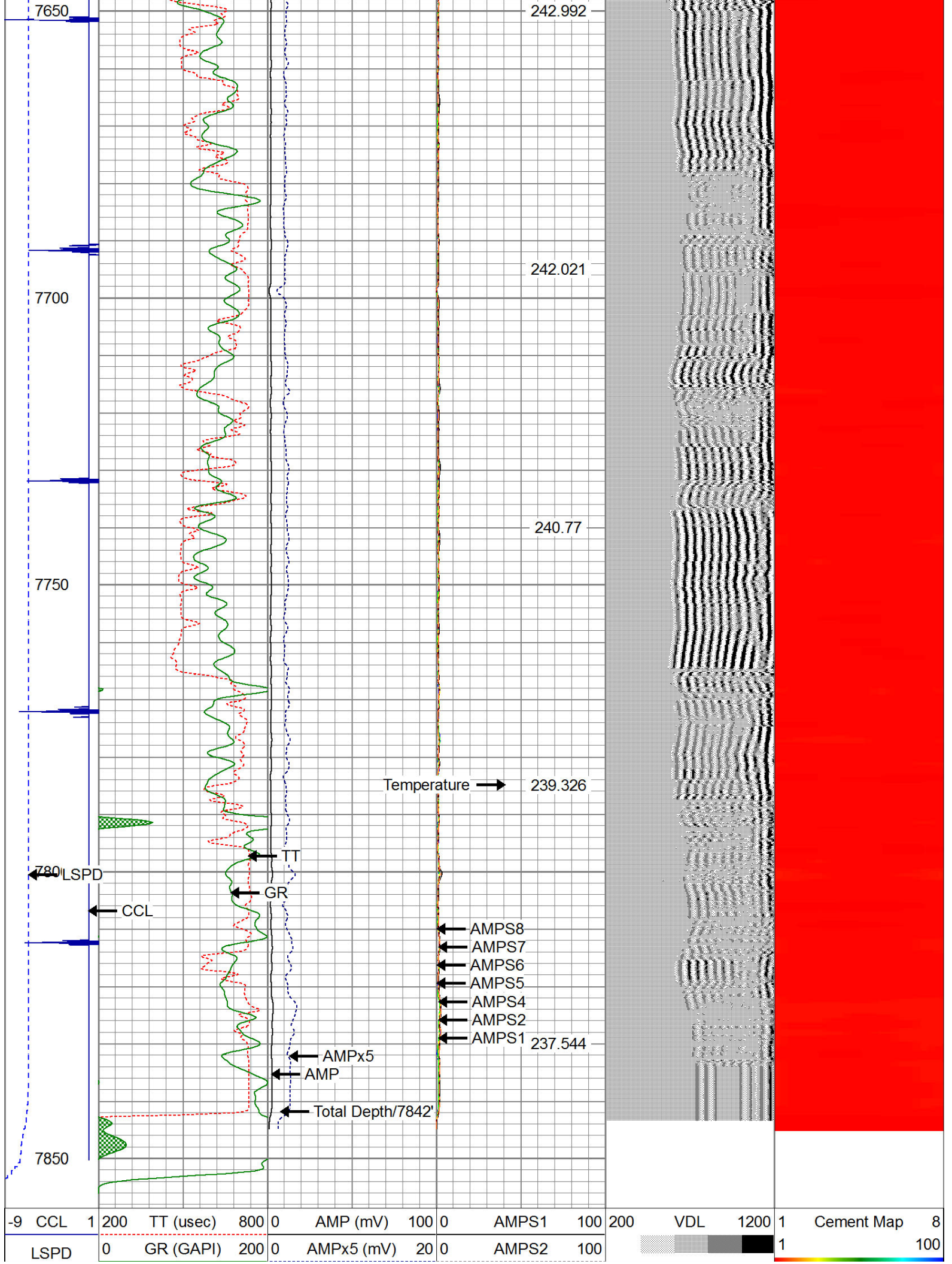














(ft/min)	200	GR (GAPI)	400	0	AMPS4	100	
0	250			0	AMPS5	100	
				0	AMPS6	100	
				0	AMPS7	100	
				0	AMPS8	100	
					IntTemp		
					(degF)		



WARRIOR

ENERGY SERVICES

Company

KERR-McGEE OIL & GAS ONSHORE LP

Well

UPRR 50 PAN AM "G" TRUE #2

Field

WATTENBERG

County

WELD

State

COLORADO