

# RADIAL CEMENT BOND LOG

## GAMMA RAY

### CCL

Company	Kerr McGee Oil & Gas	Company	Kerr McGee Oil & Gas
Well	CHAMPLIN 86 AMOCO Q 1	Well	CHAMPLIN 86 AMOCO Q 1
Field	Wattenberg	Field	Wattenberg
County	Weld	County	Weld
State	CO	State	CO
Location:		API # : 05-123-14591	Other Services
Permanent Datum		NW/NE	
Log Measured From		LAT: 40.08490 LONG:-105.00450	
Drilling Measured From		SEC 4 TWP 1N RGE 68W	
		GL	Elevation 5029'
		KB: 10'	K.B. 5039'
		KB	D.F. 5038'
			G.L. 5029'
Date	10-8-2014		
Run Number	ONE		
Depth Driller	N/A		
Depth Logger	7702'		
Bottom Logged Interval	7699'		
Top Log Interval	Surface		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	211		
Estimated Cement Top	410'		
Time Well Ready	NA		
Time Logger on Bottom	NA		
Equipment Number	7770		
Location	GREELEY		
Recorded By	A.STEERMAN		
Witnessed By	RIGO		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
			From
			To
Casing Record	Size	Wgt/Ft	Top
Surface String	8 5/8	24#	0
Prot. String			
Production String	5 1/2	17#	0
Liner			8471'

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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

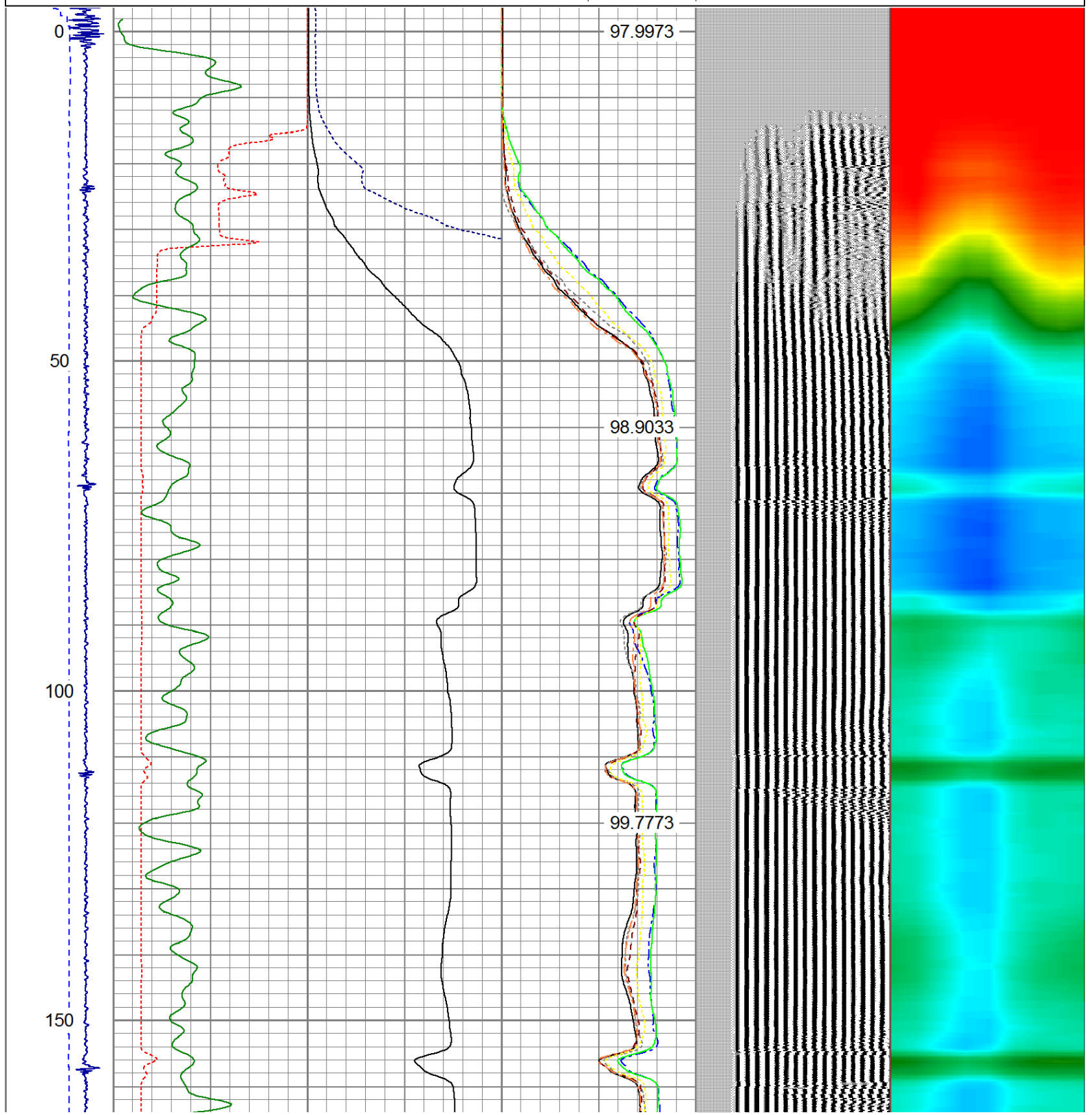
CORRELATED TO BRAN-DEX LOG FROM 5-8-1990  
CORRECTED UPHOLE 7'  
RAN CBL TO VERIFY CEMENT.

THANK YOU FOR USING WARRIOR ENERGY!

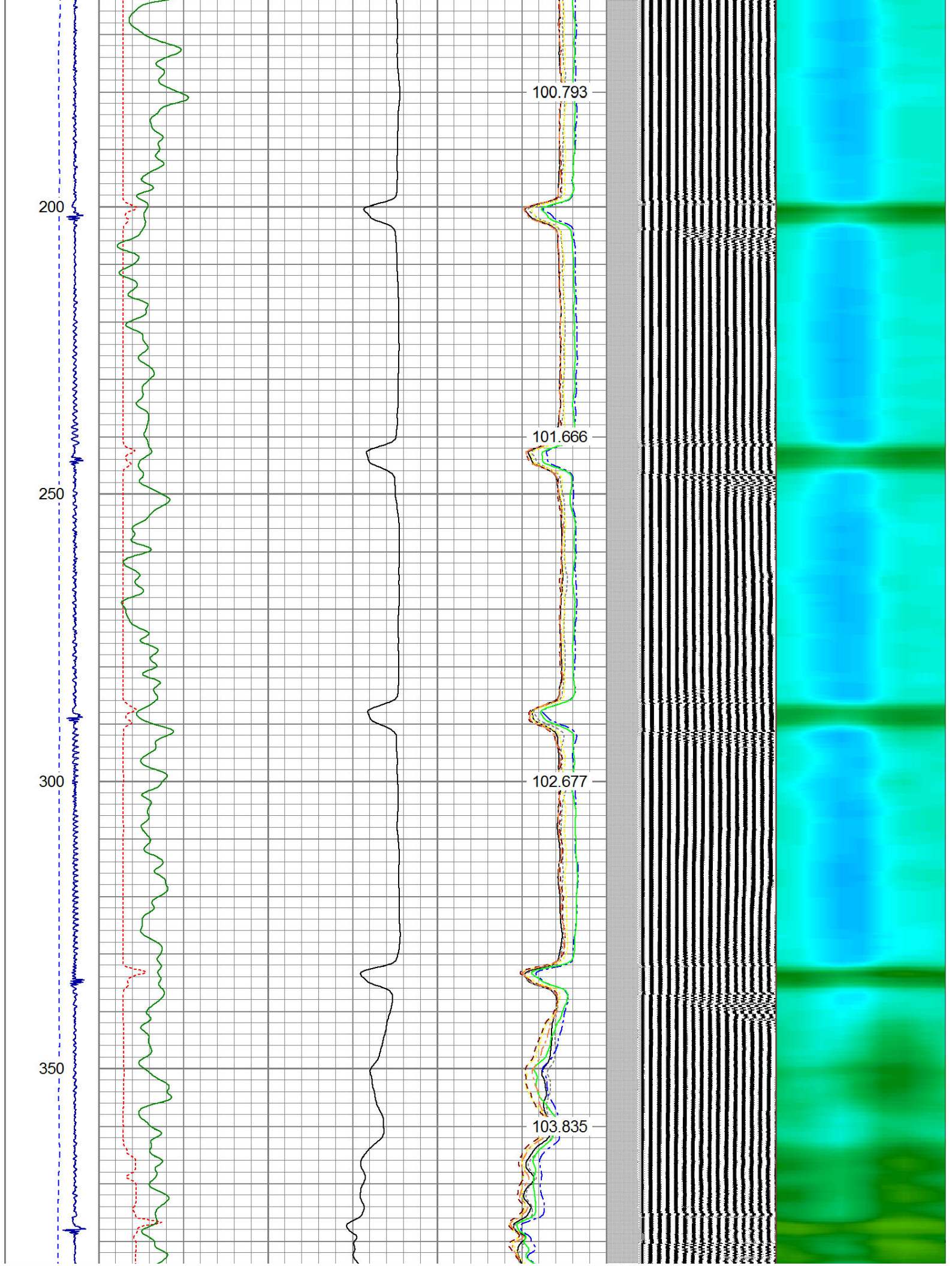
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

			CENT #2 -Probe (PTS_MONO)	2.75	2.75	35.00
HEADVOLT	16.00					
IntTemp	14.58					
WVF3FT	11.33		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.33		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.33					
WVFS2	11.33					
WVFS3	11.33					
WVFS4	11.33					
WVFS5	11.33					
WVFS6	11.33					
WVFS7	11.33					
WVFS8	11.33					
WVF5FT	10.33					
			CENT-Probe (PT_MONO2)	2.75	2.75	35.00
CCL	3.64					
			GR-Probe (275)	4.33	2.75	30.00
			Probe 2.75"			
GR	0.90					
Dataset: champlin 86 amoco q 1.db: field/well/run1/pass200 Total Length: 18.75 ft Total Weight: 190.00 lb O.D. 2.75 in						

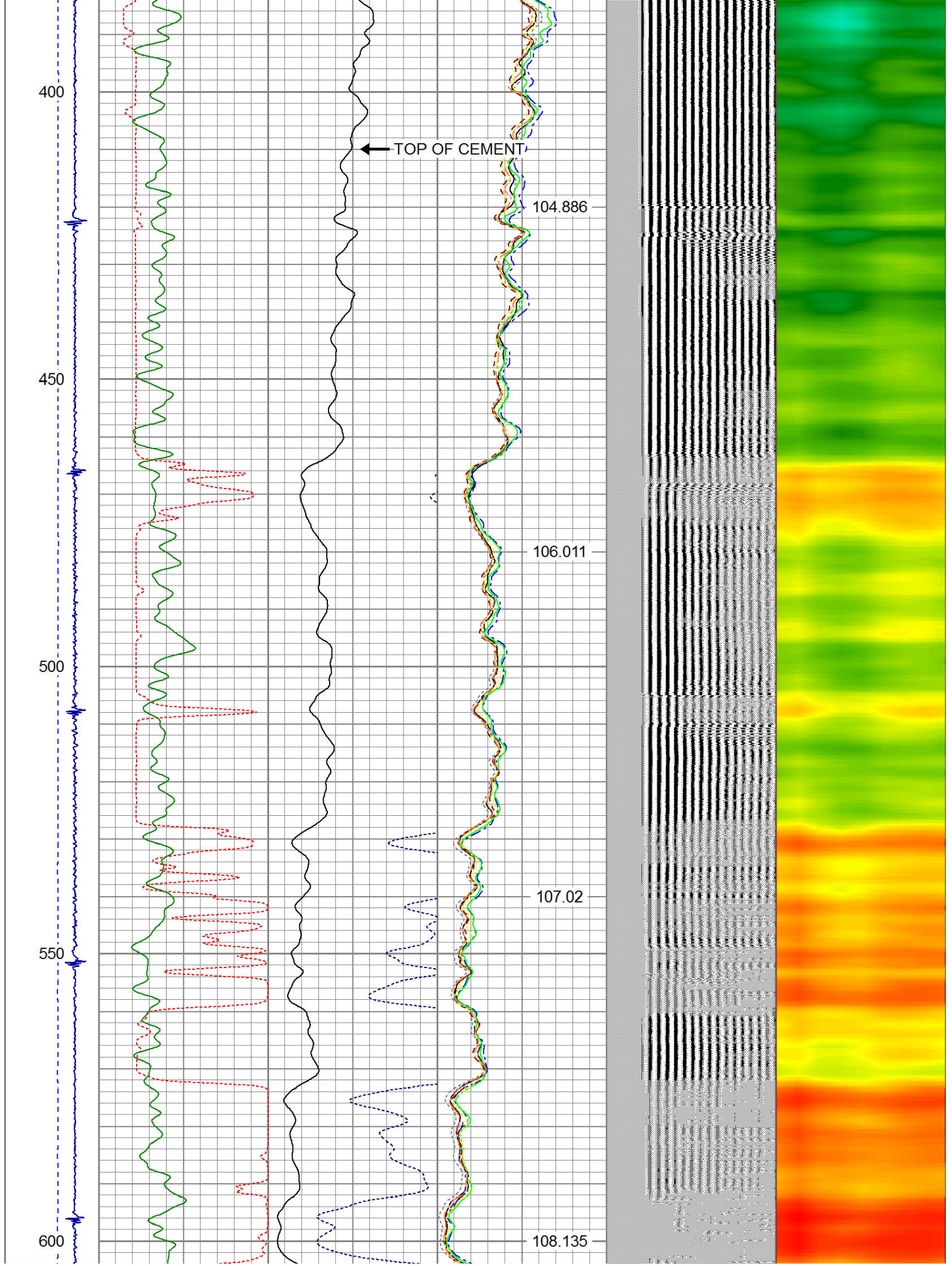
-9	CCL	3	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD (ft/min)	0	-250	0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100		1	100			
			200	GR (GAPI)	400				0	AMPS4	100						
									0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
IntTemp (degF)																	



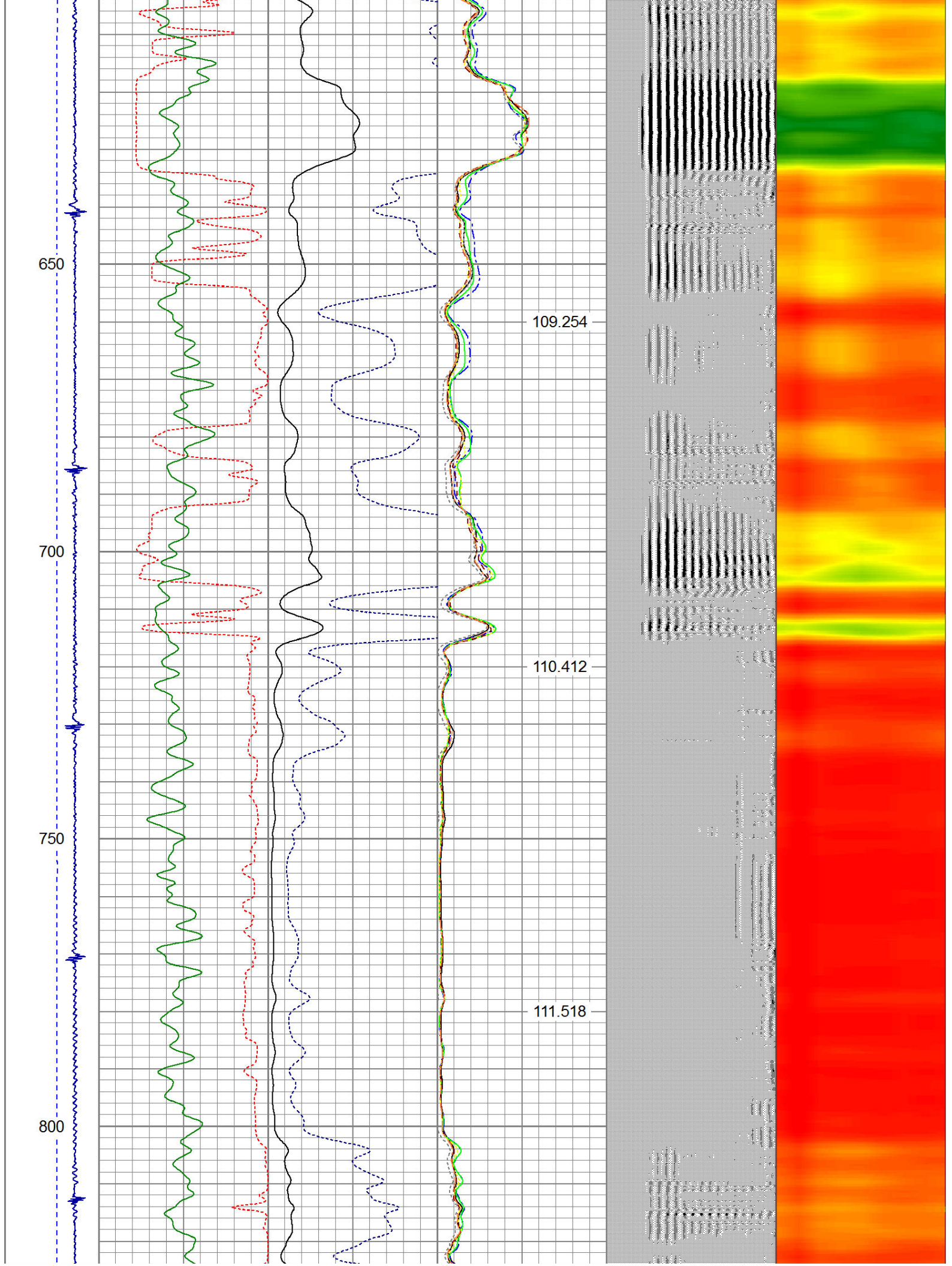




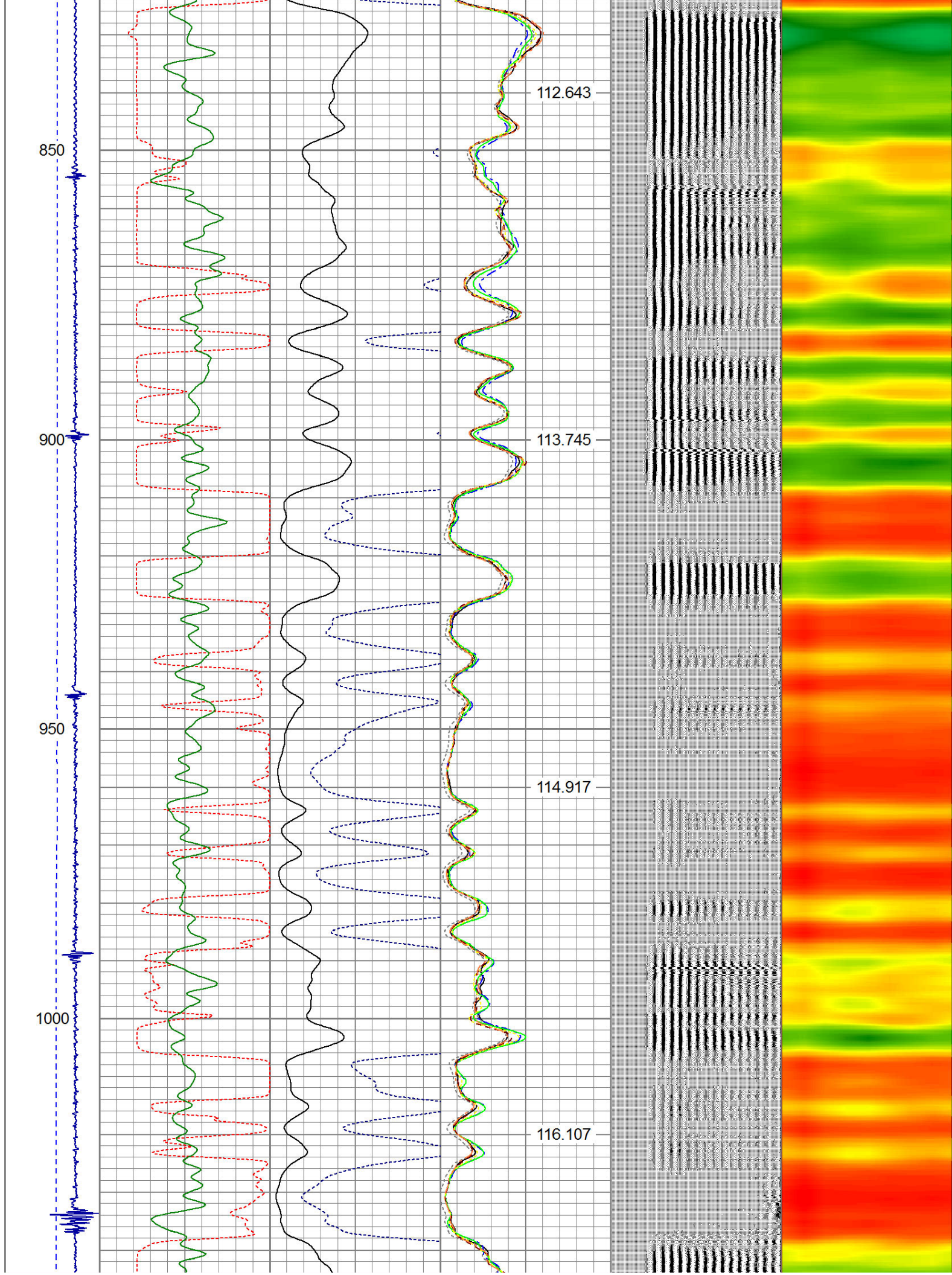




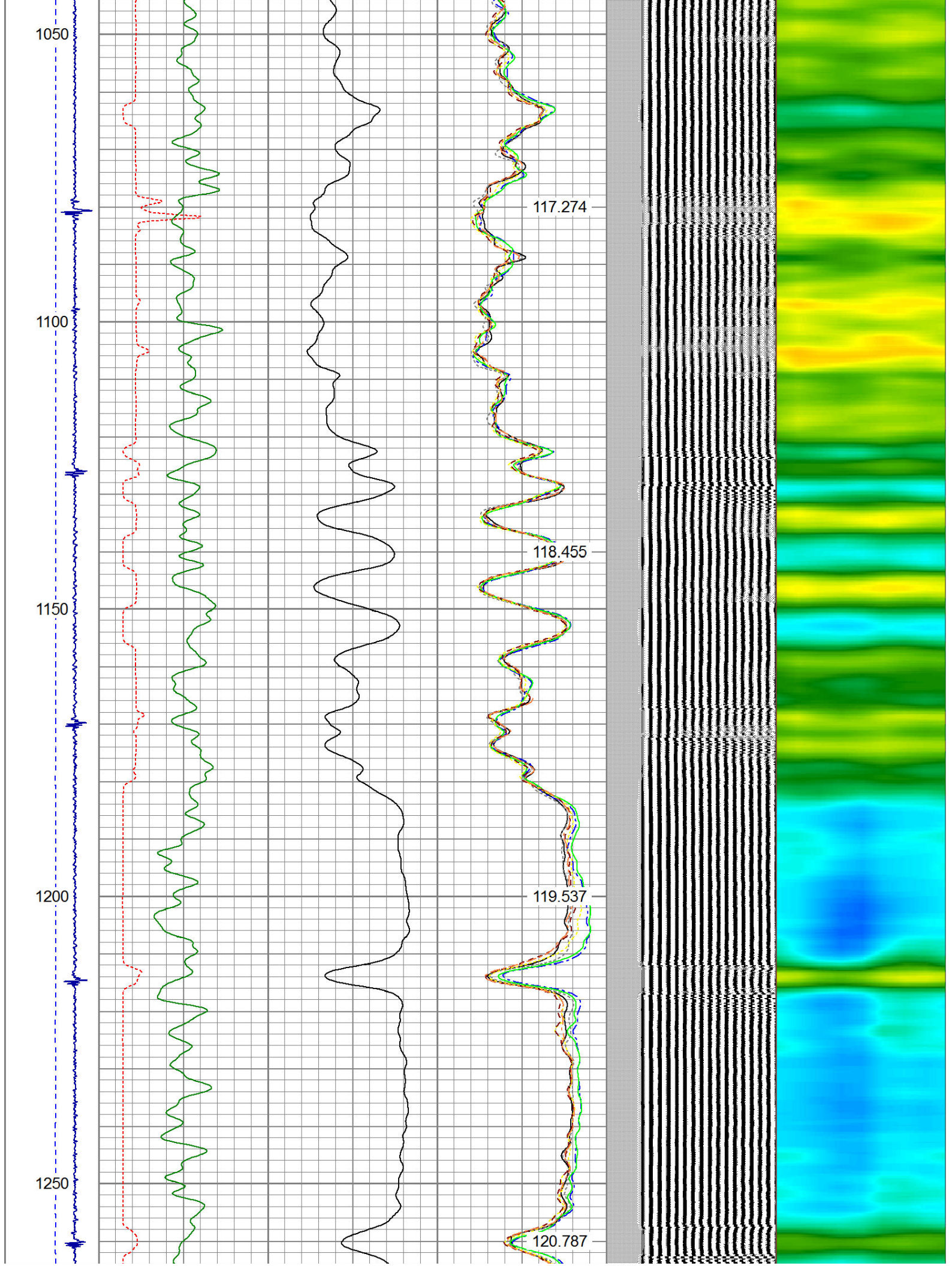














1300

1350

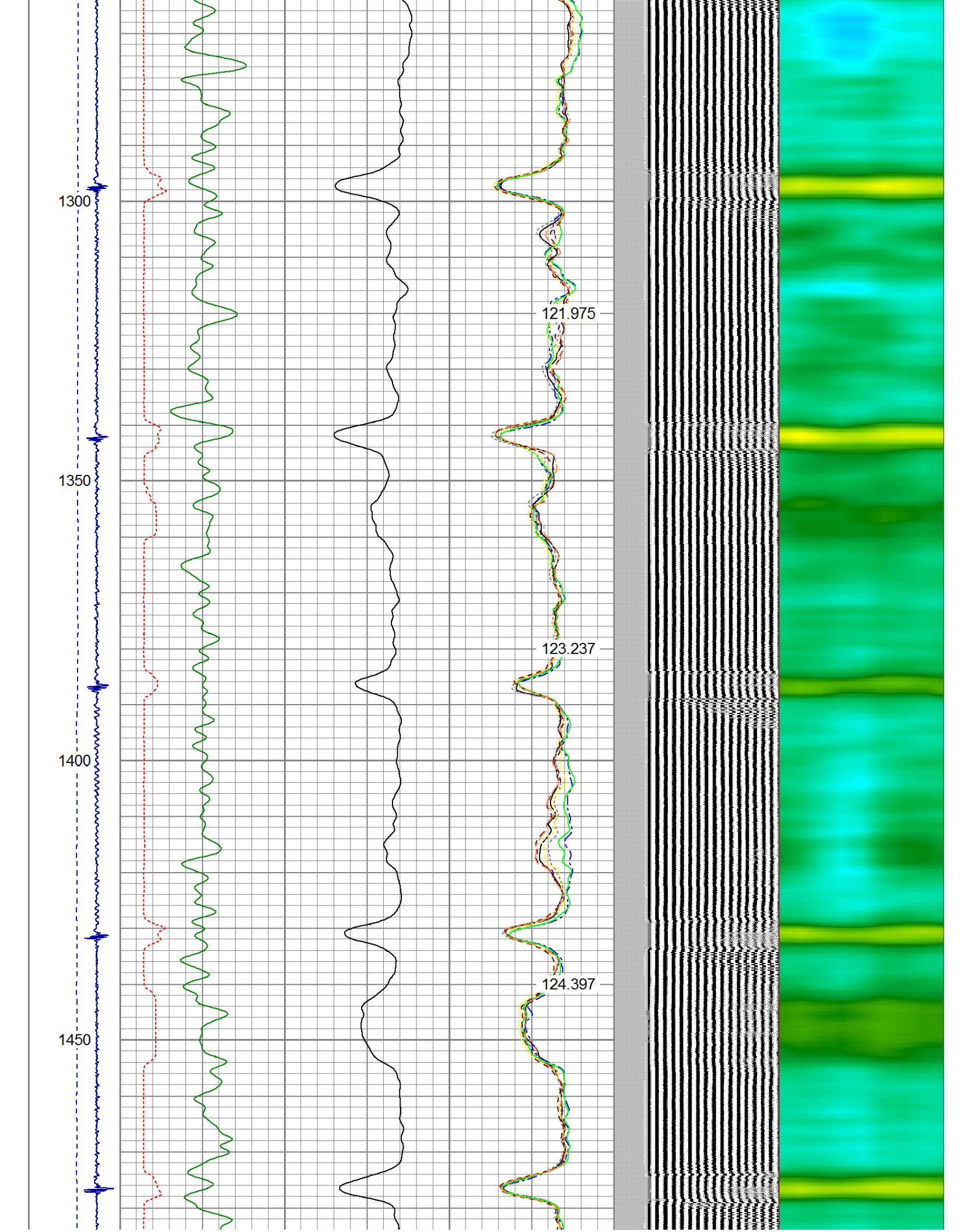
1400

1450

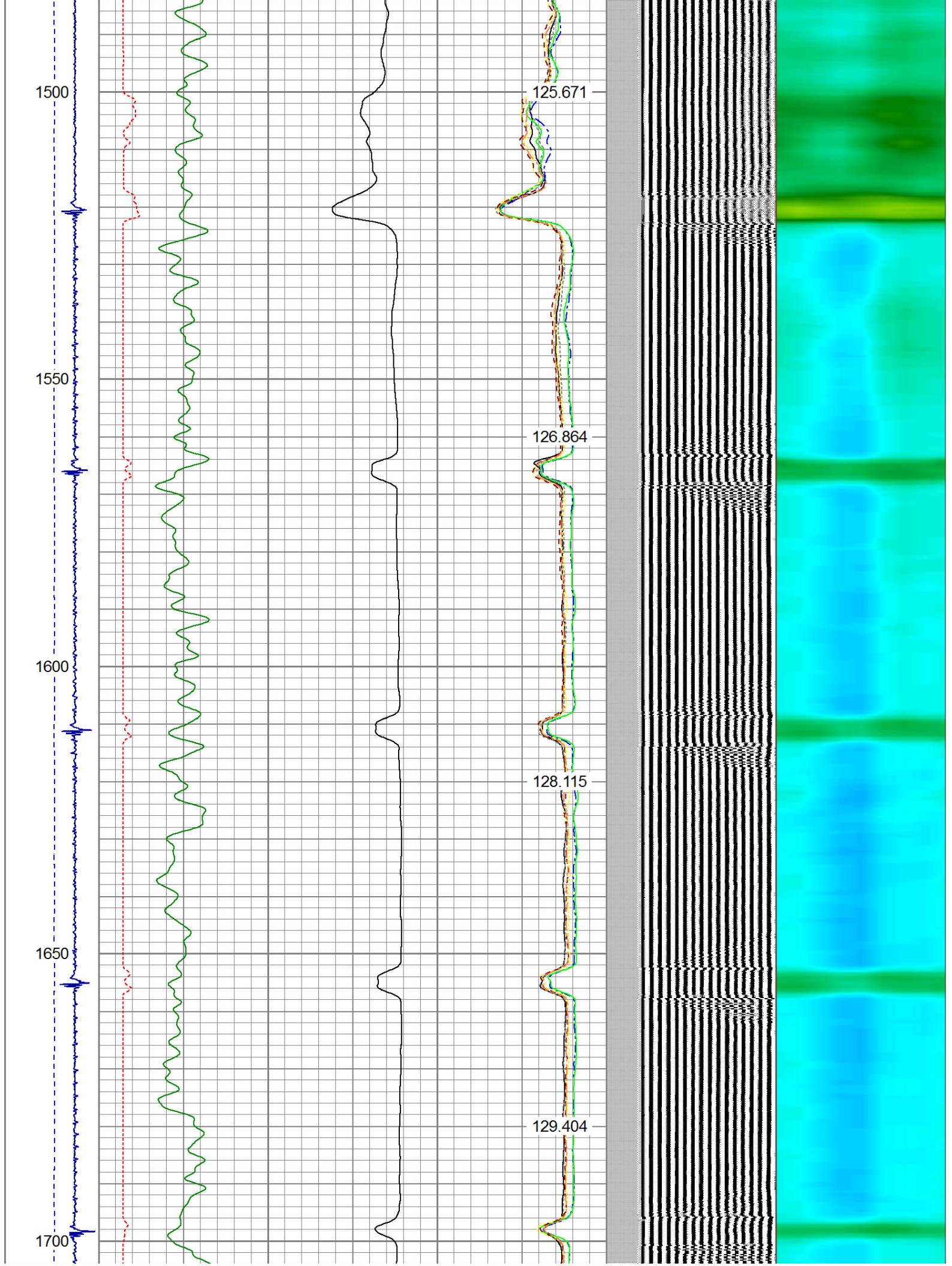
121.975

123.237

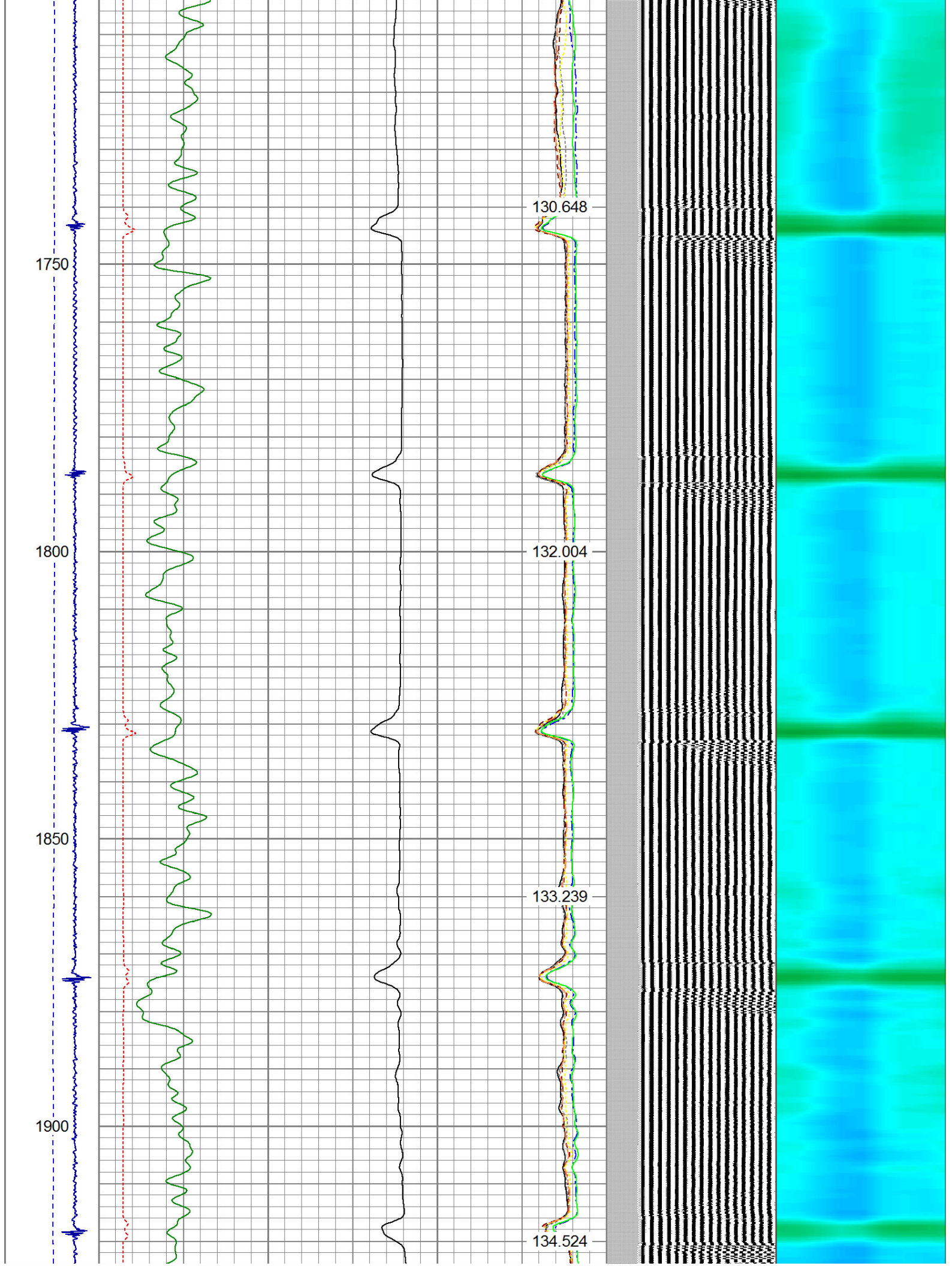
124.397













1950

2000

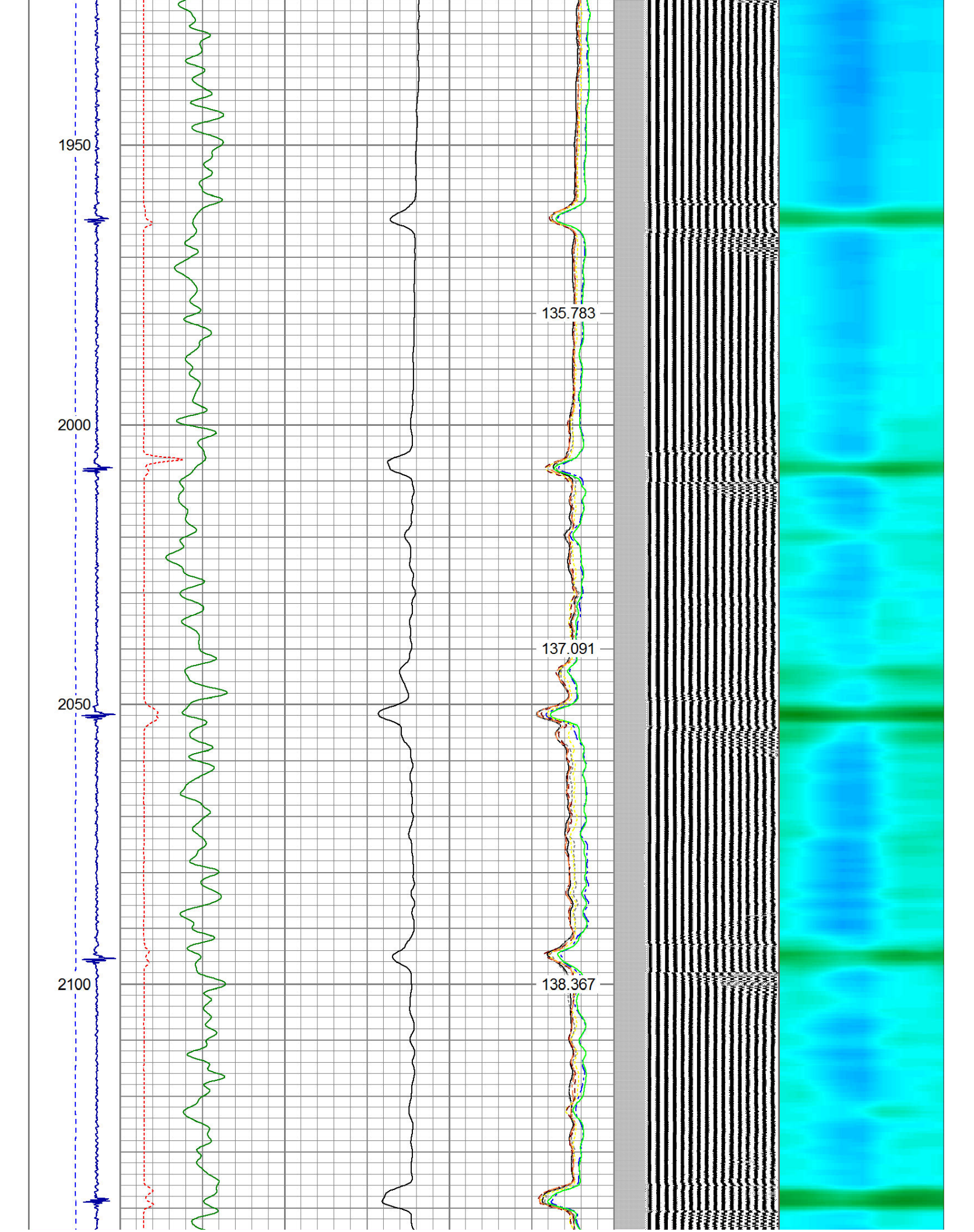
2050

2100

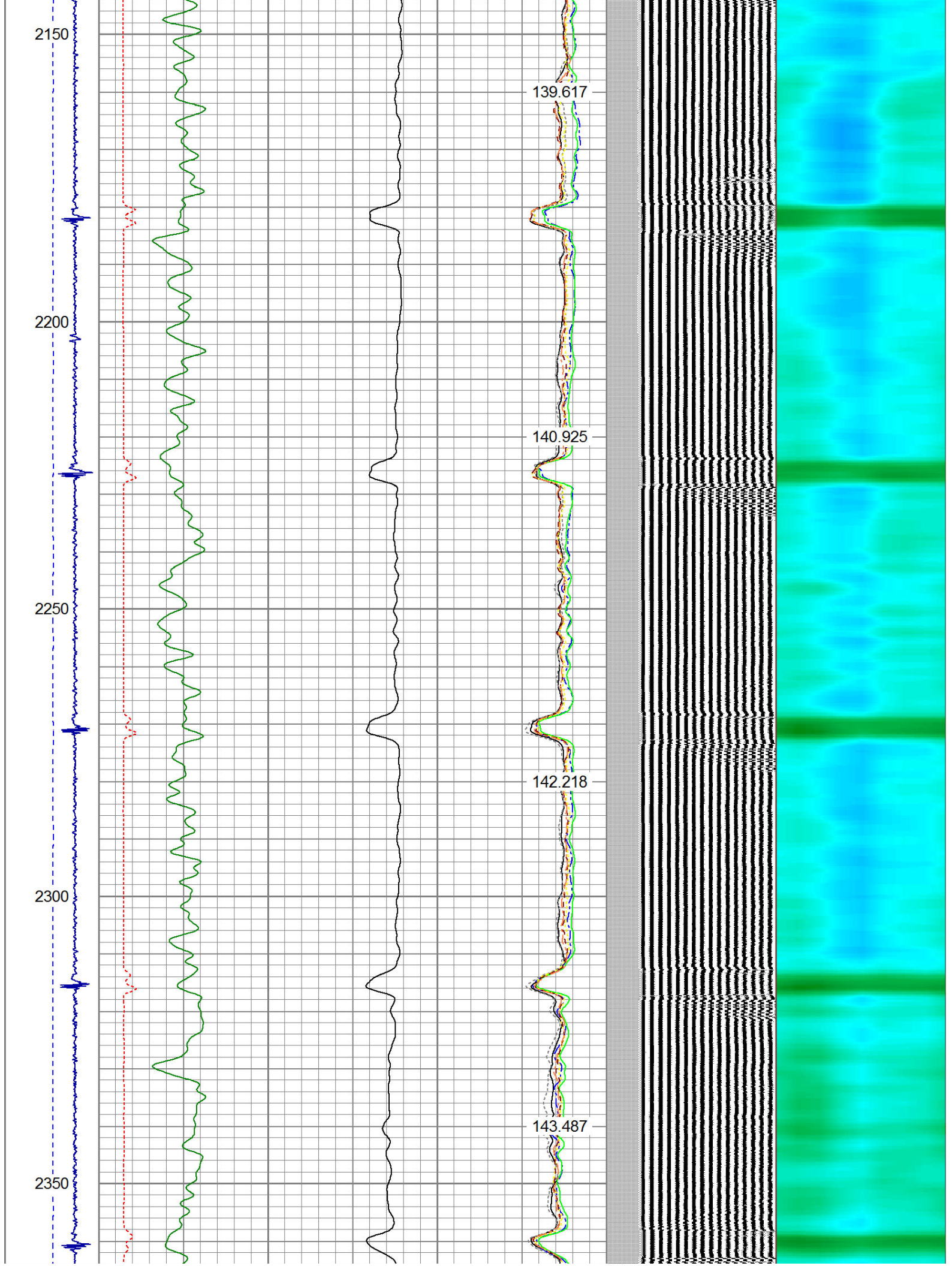
135.783

137.091

138.367









2400

2450

2500

2550

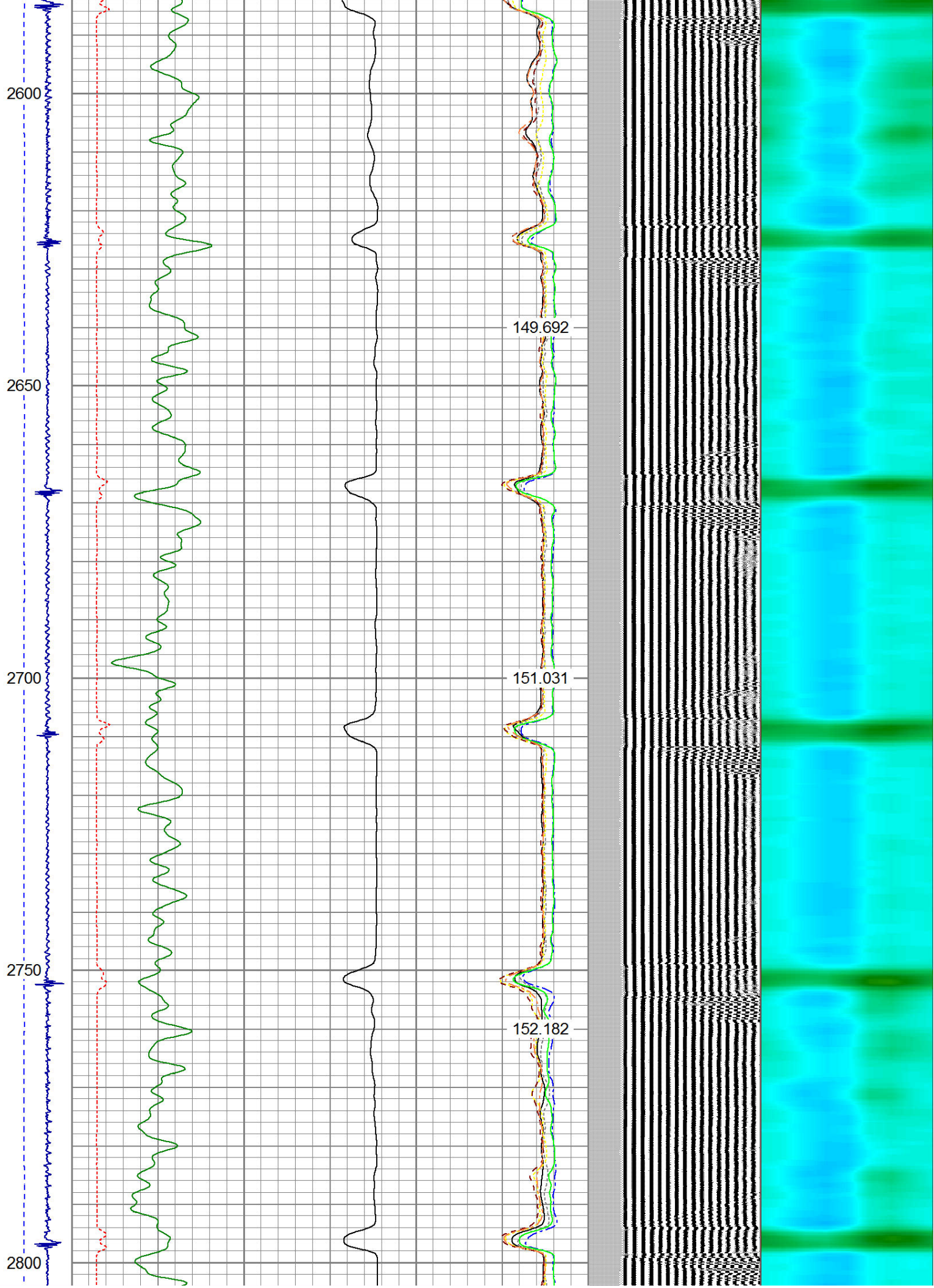
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146.048

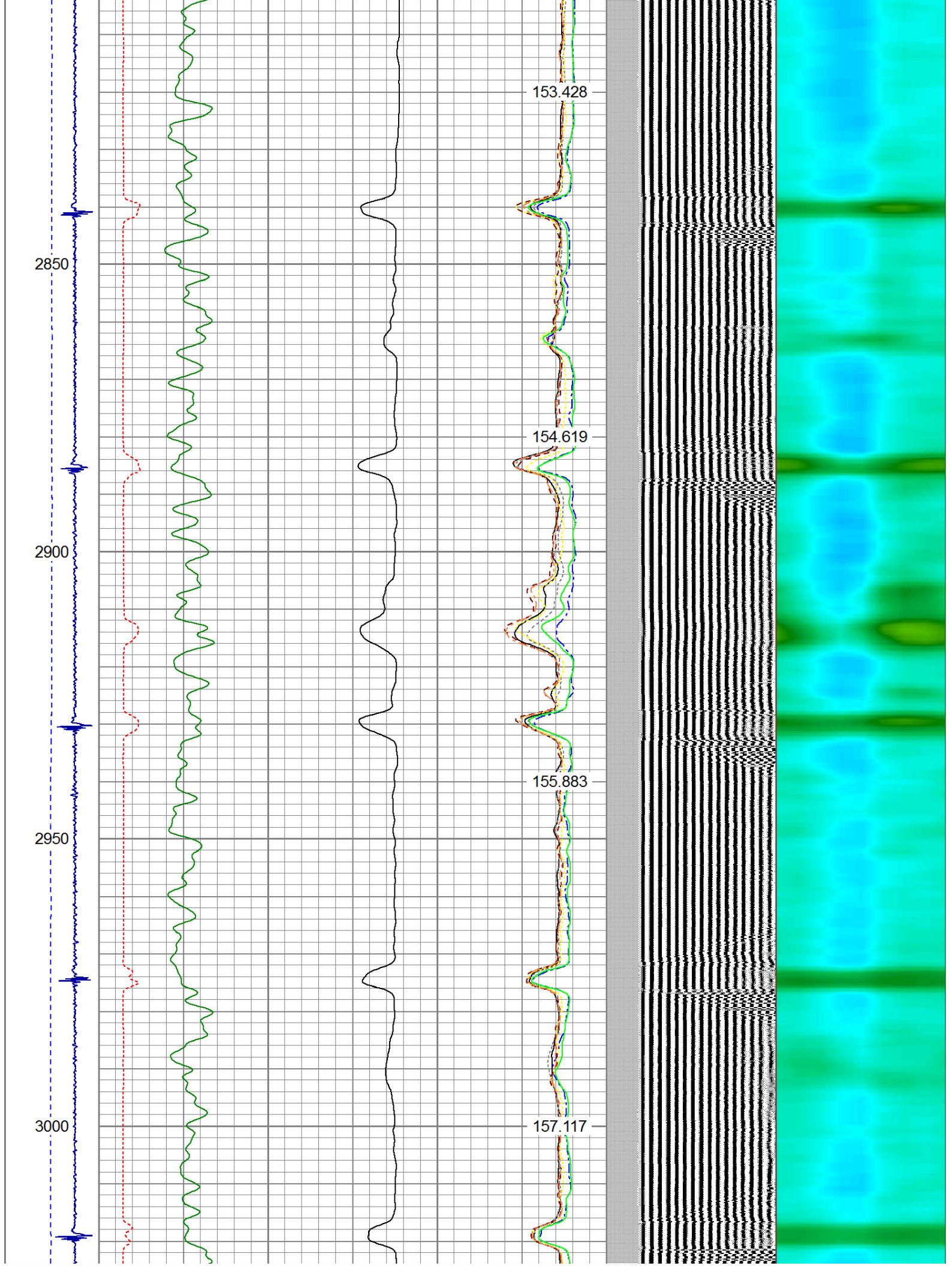
147.307

148.535











3050

3100

3150

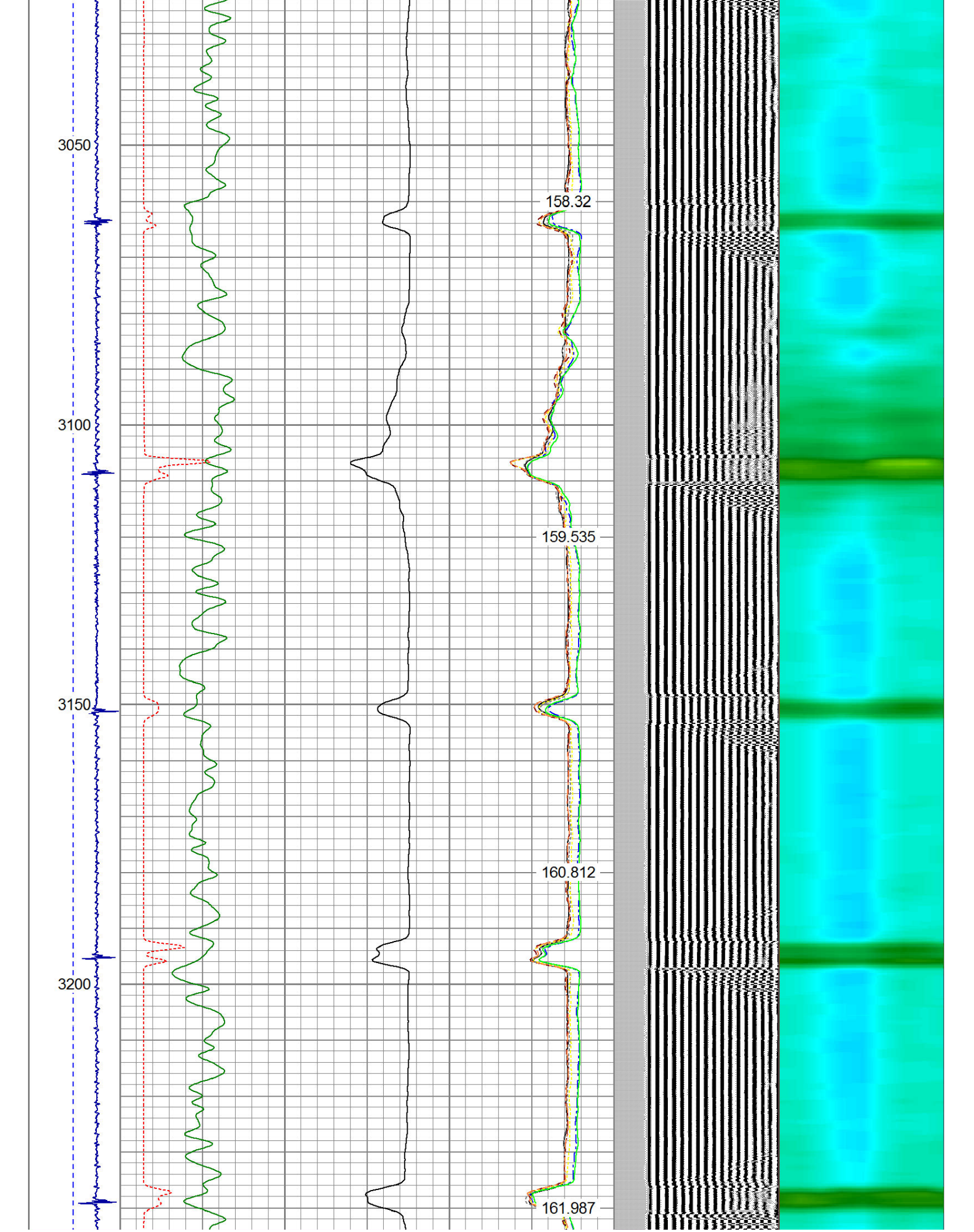
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158.32

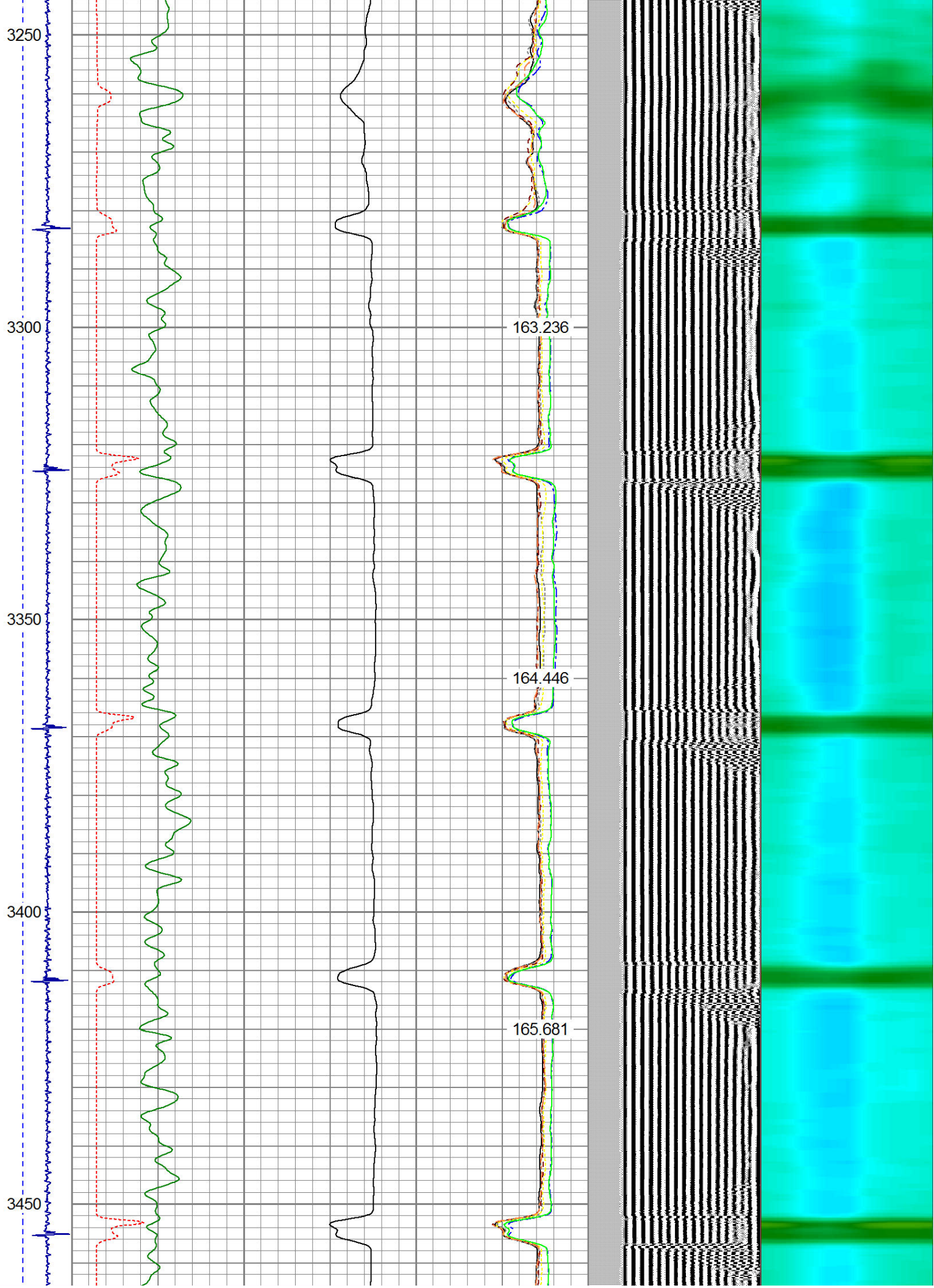
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160.812

161.987









3500

3550

3600

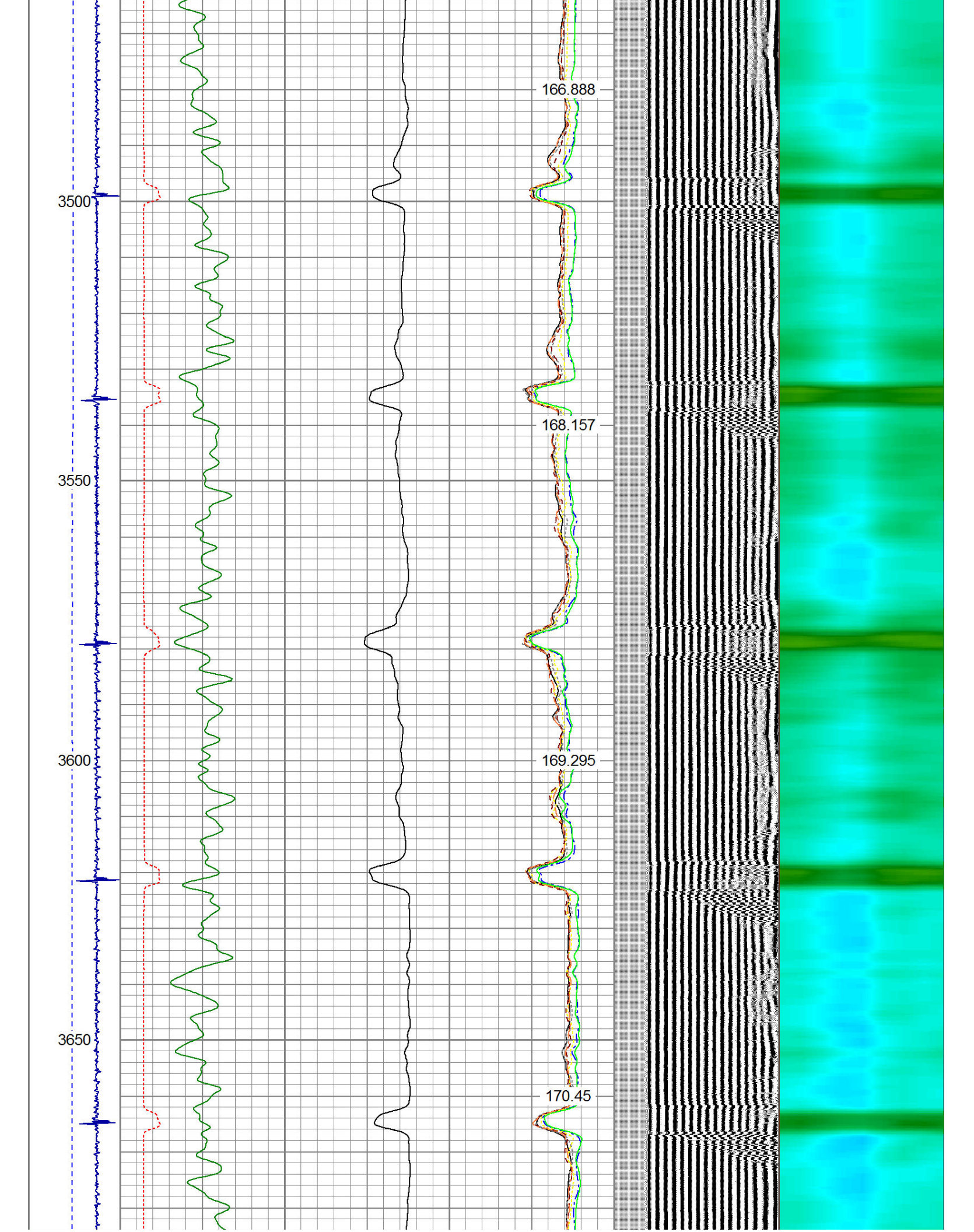
3650

166.888

168.157

169.295

170.45





3700

3750

3800

3850

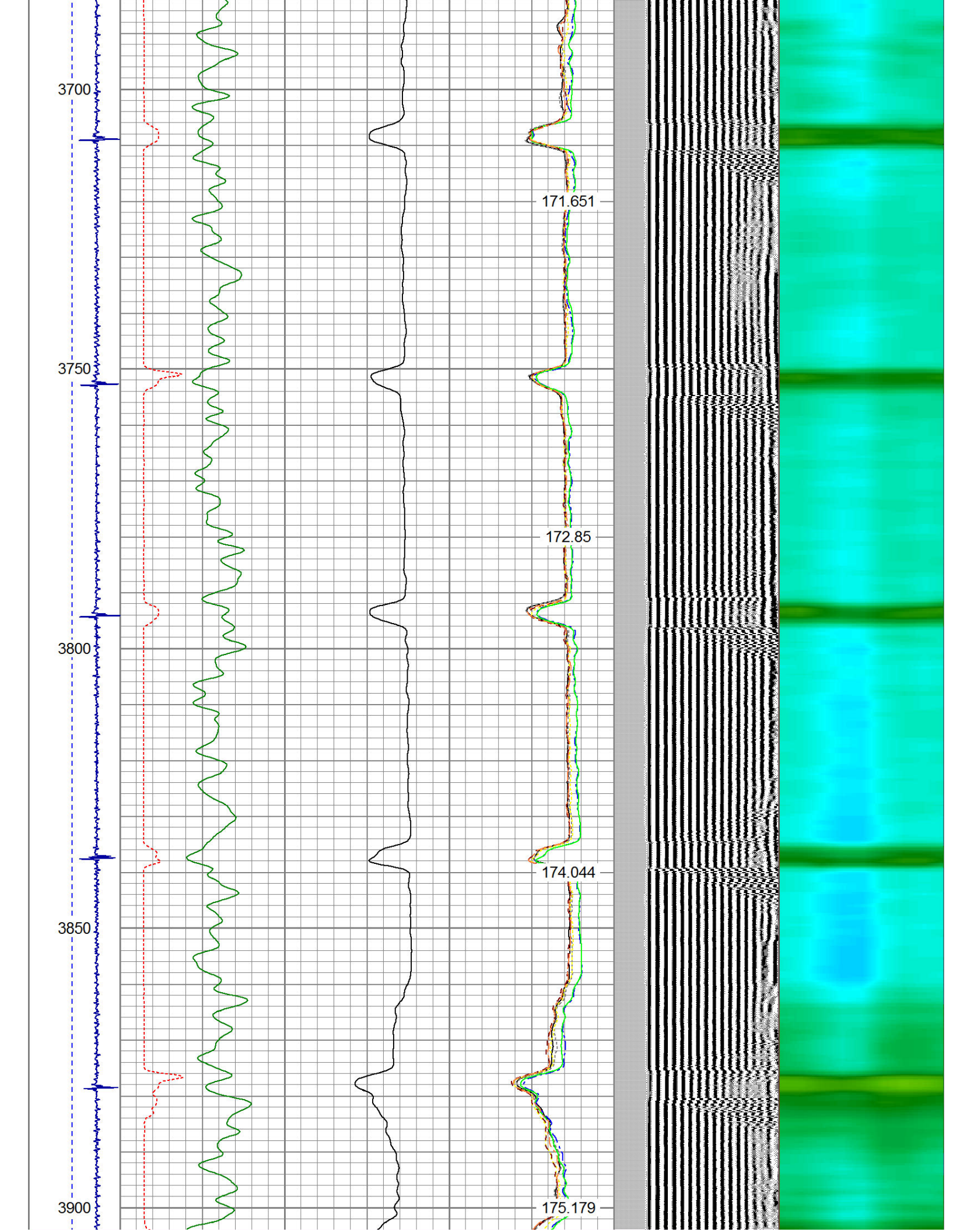
3900

171.651

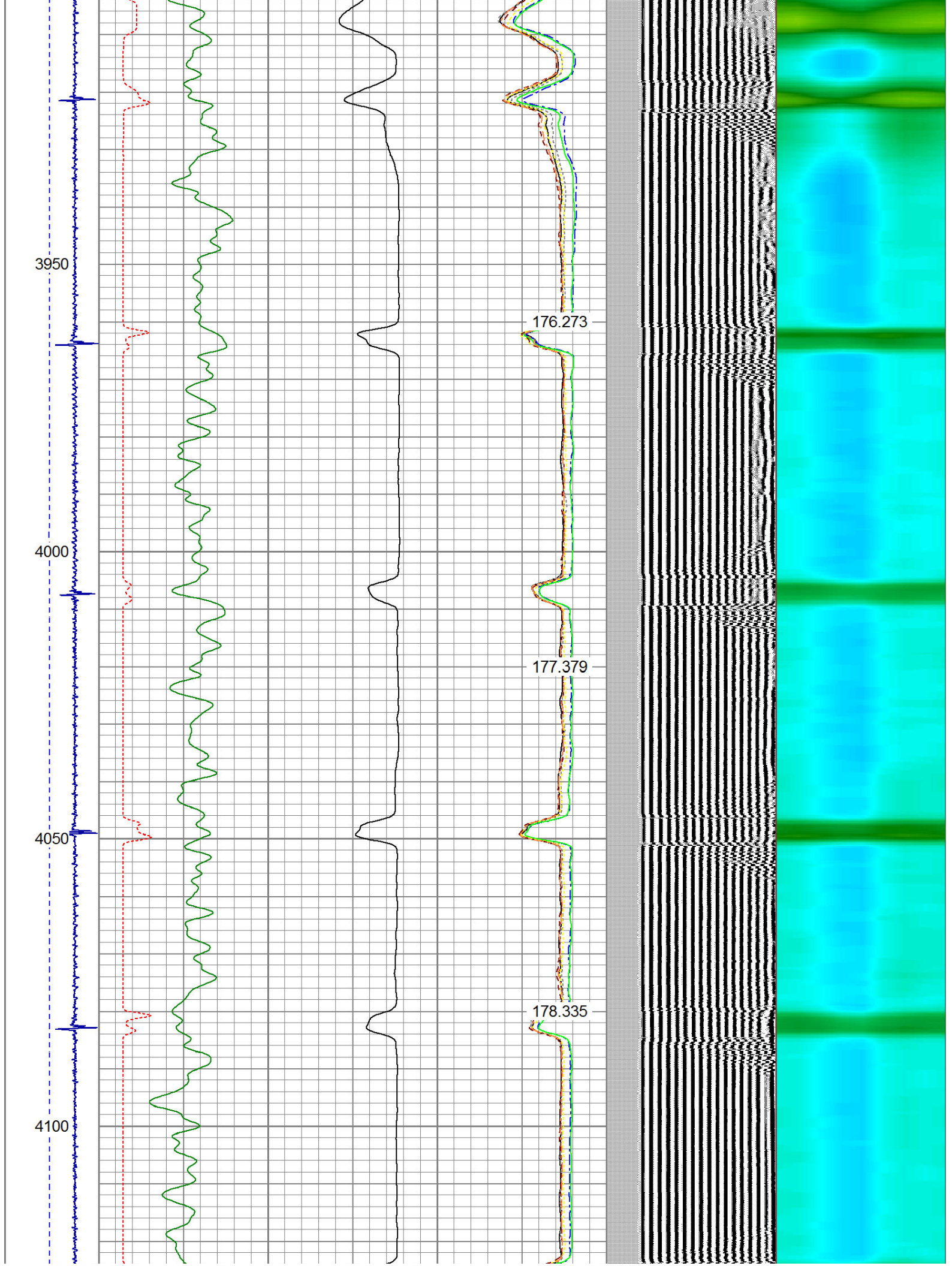
172.85

174.044

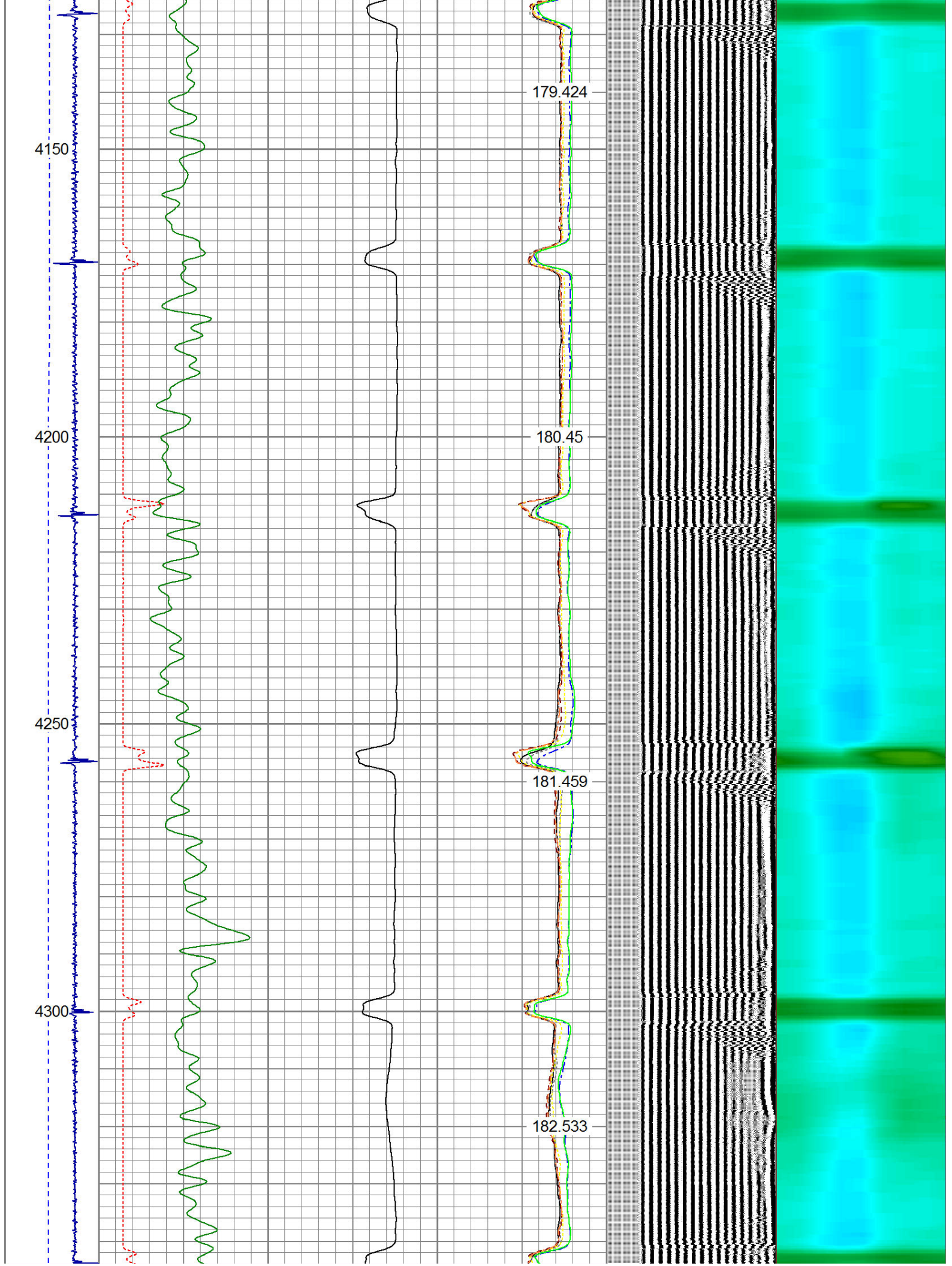
175.179



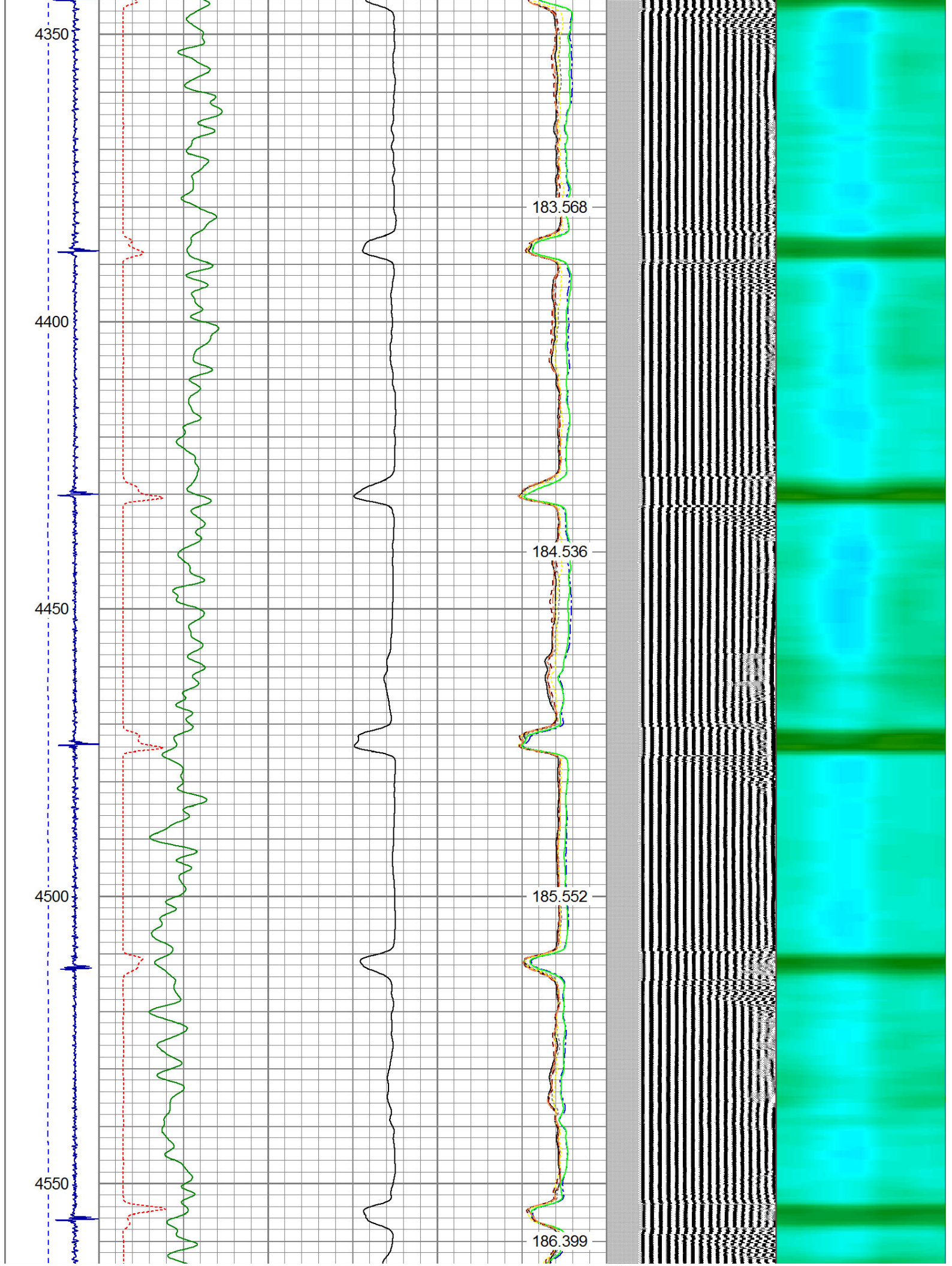














4600

4650

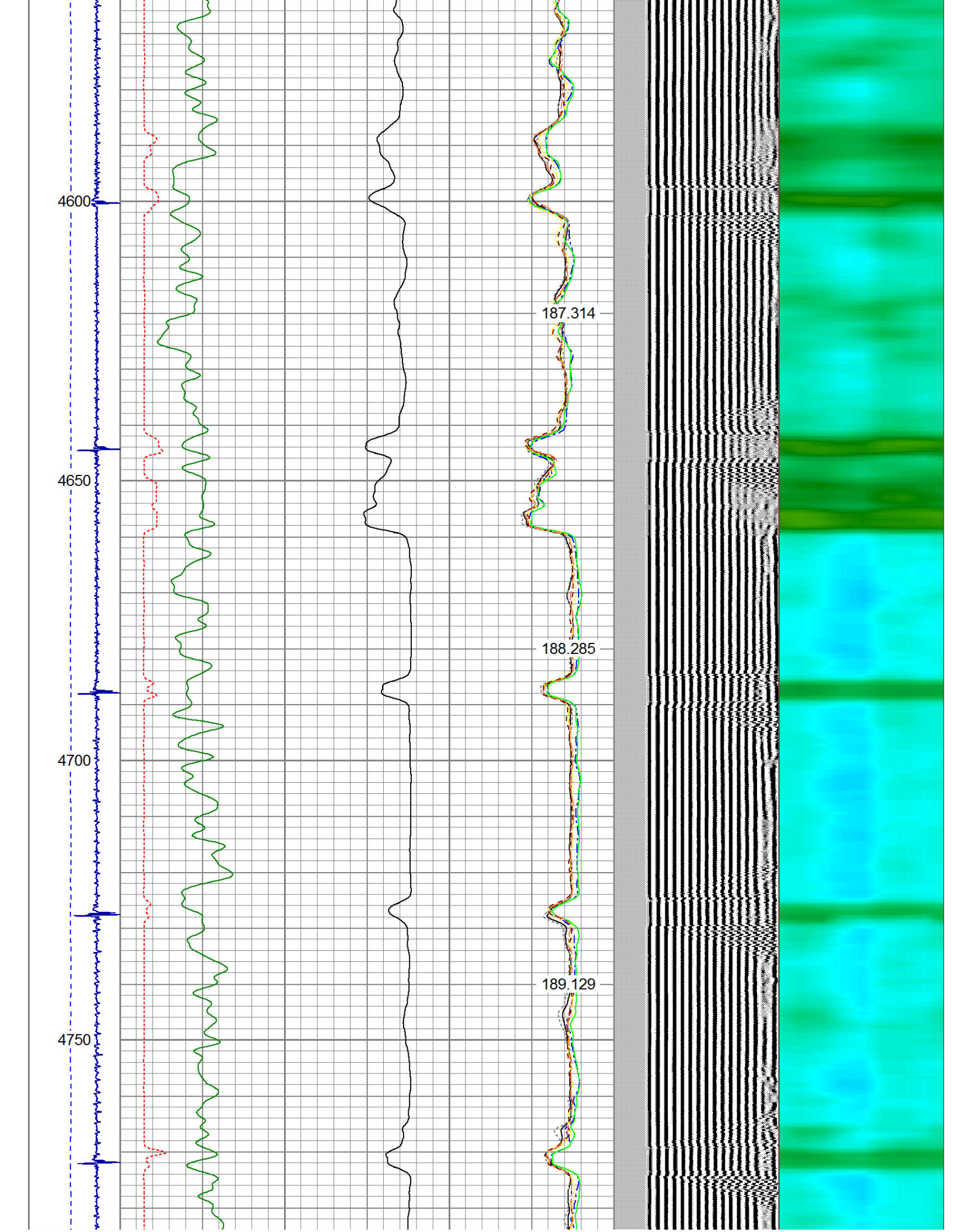
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4750

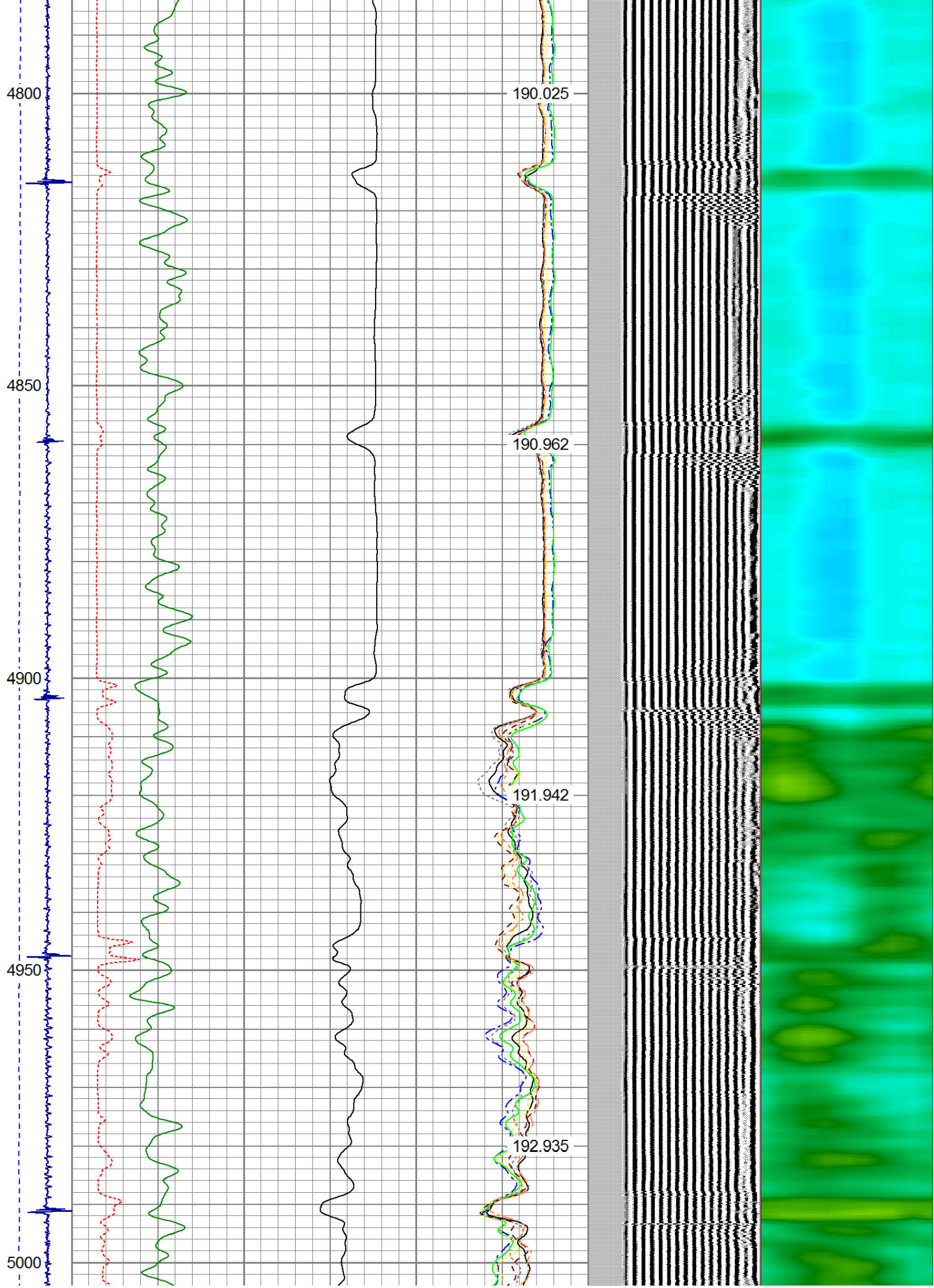
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188.285

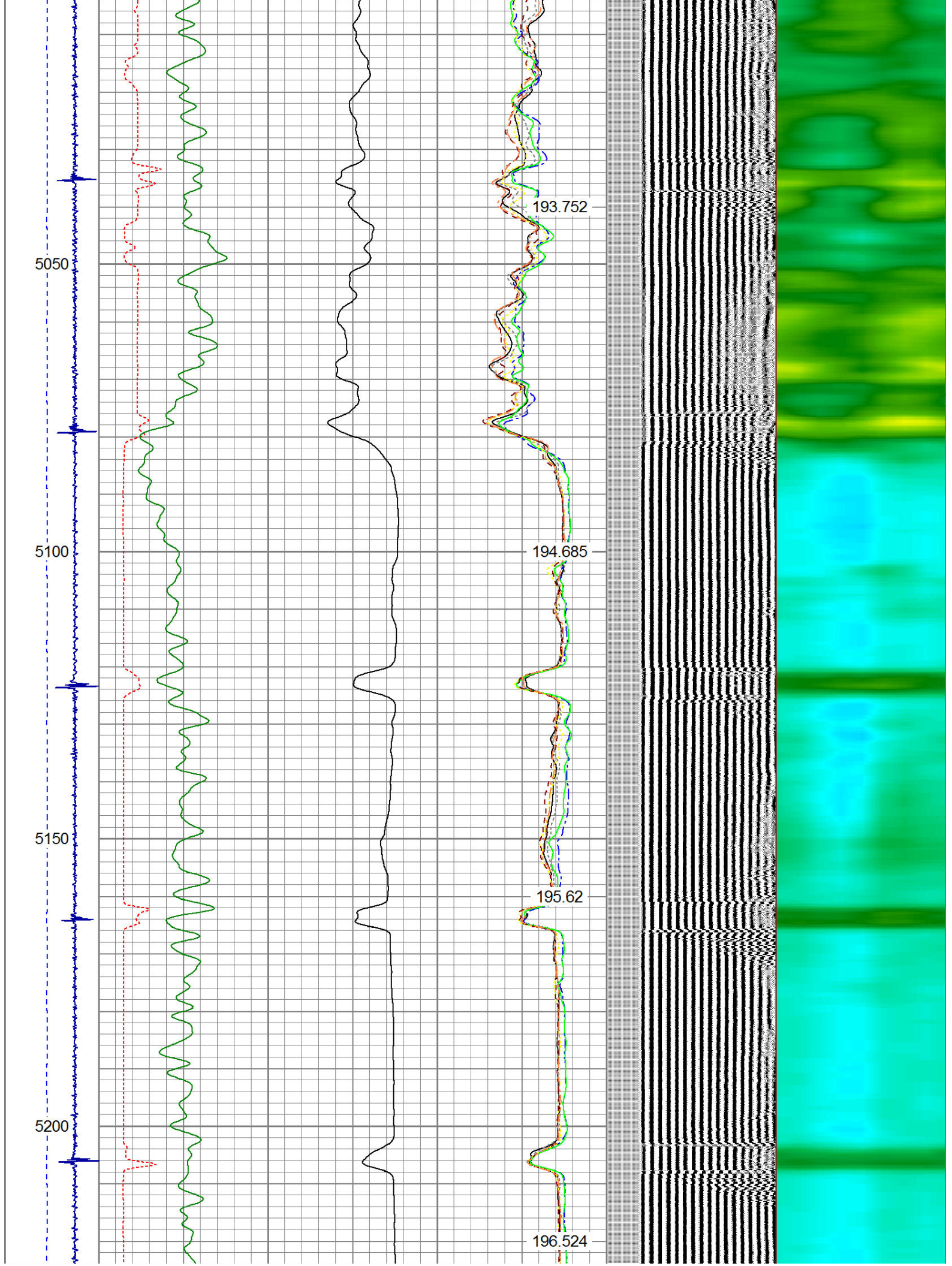
189.129













5250

5300

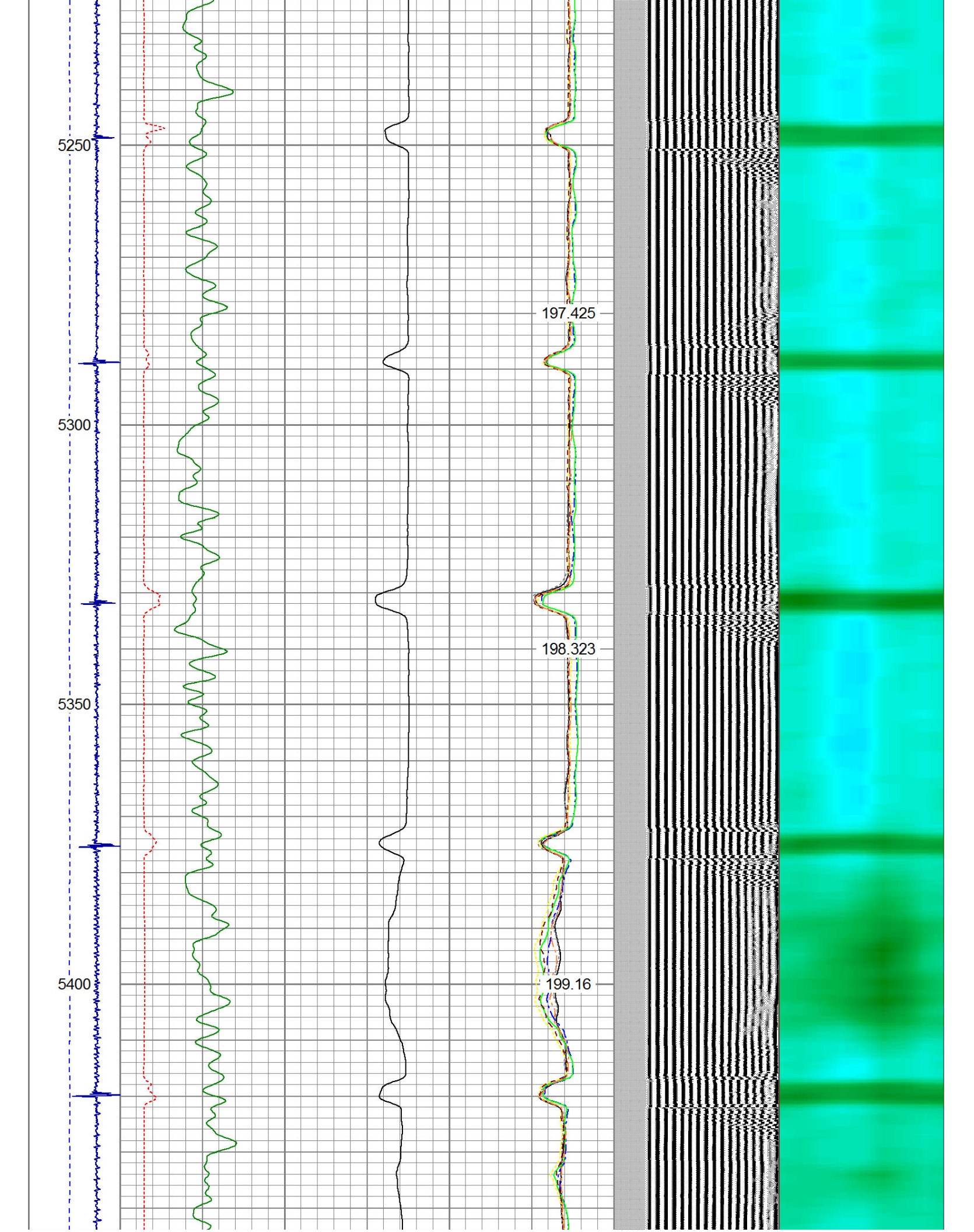
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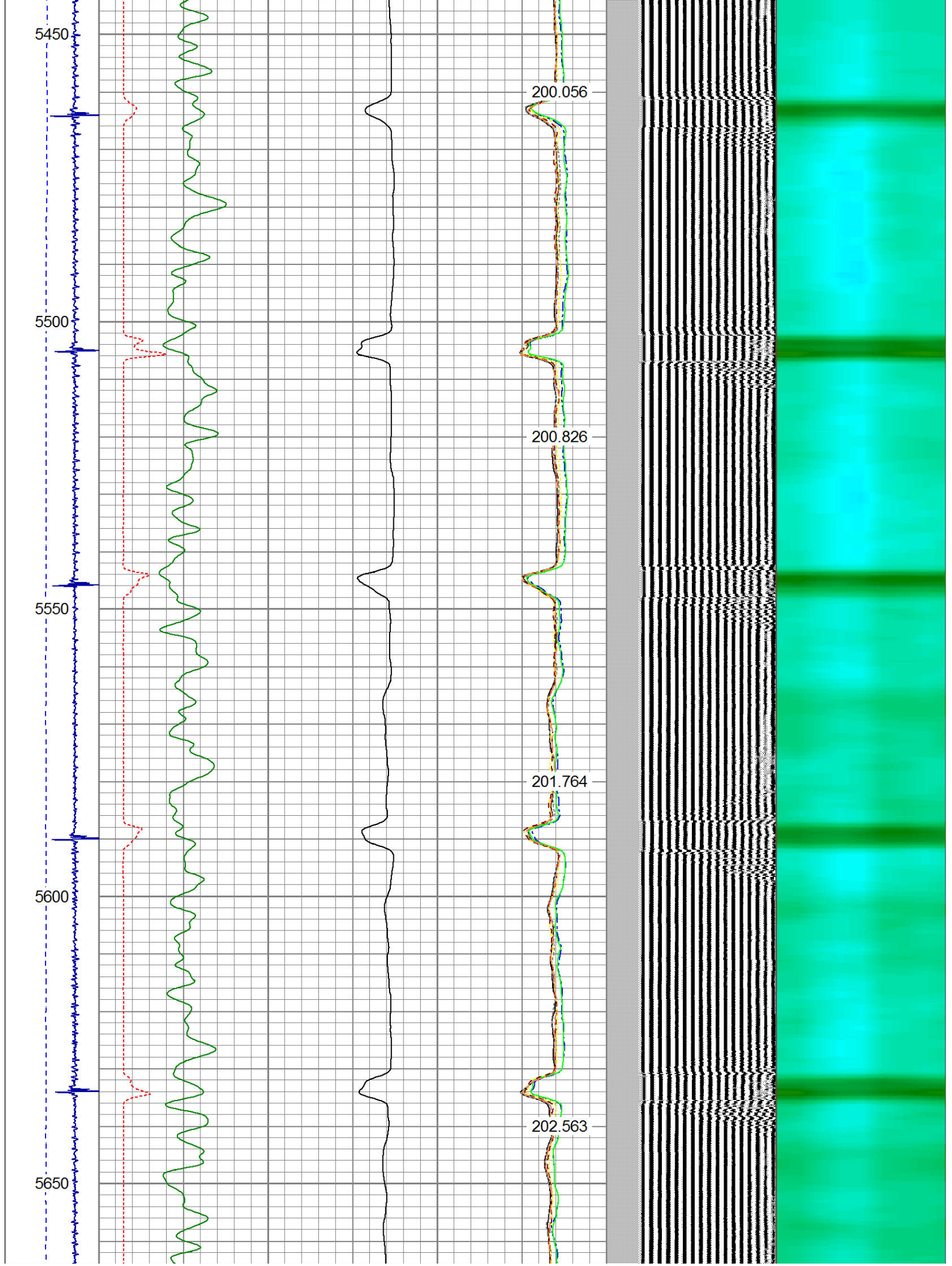
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198.323

199.16









5700

5750

5800

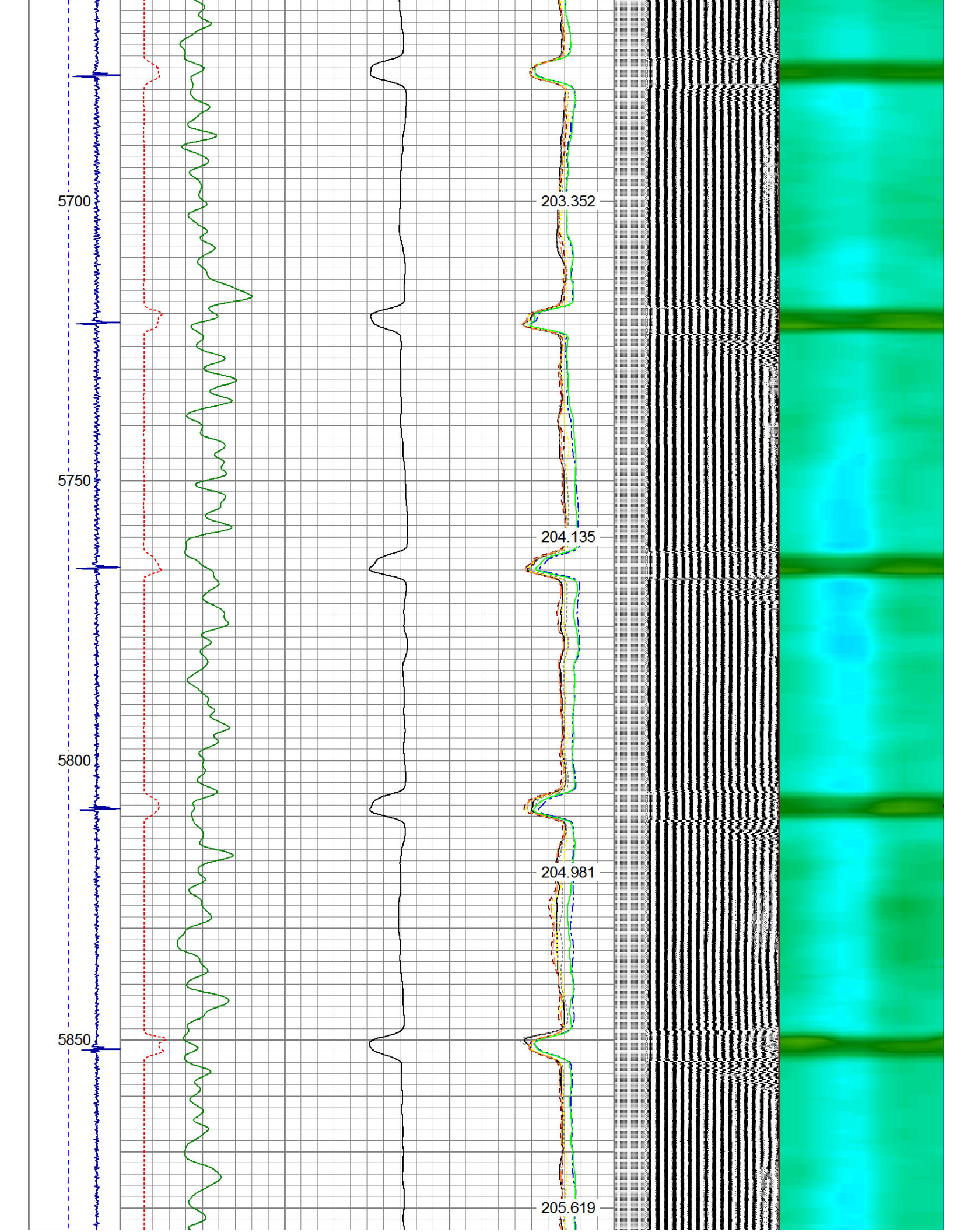
5850

203.352

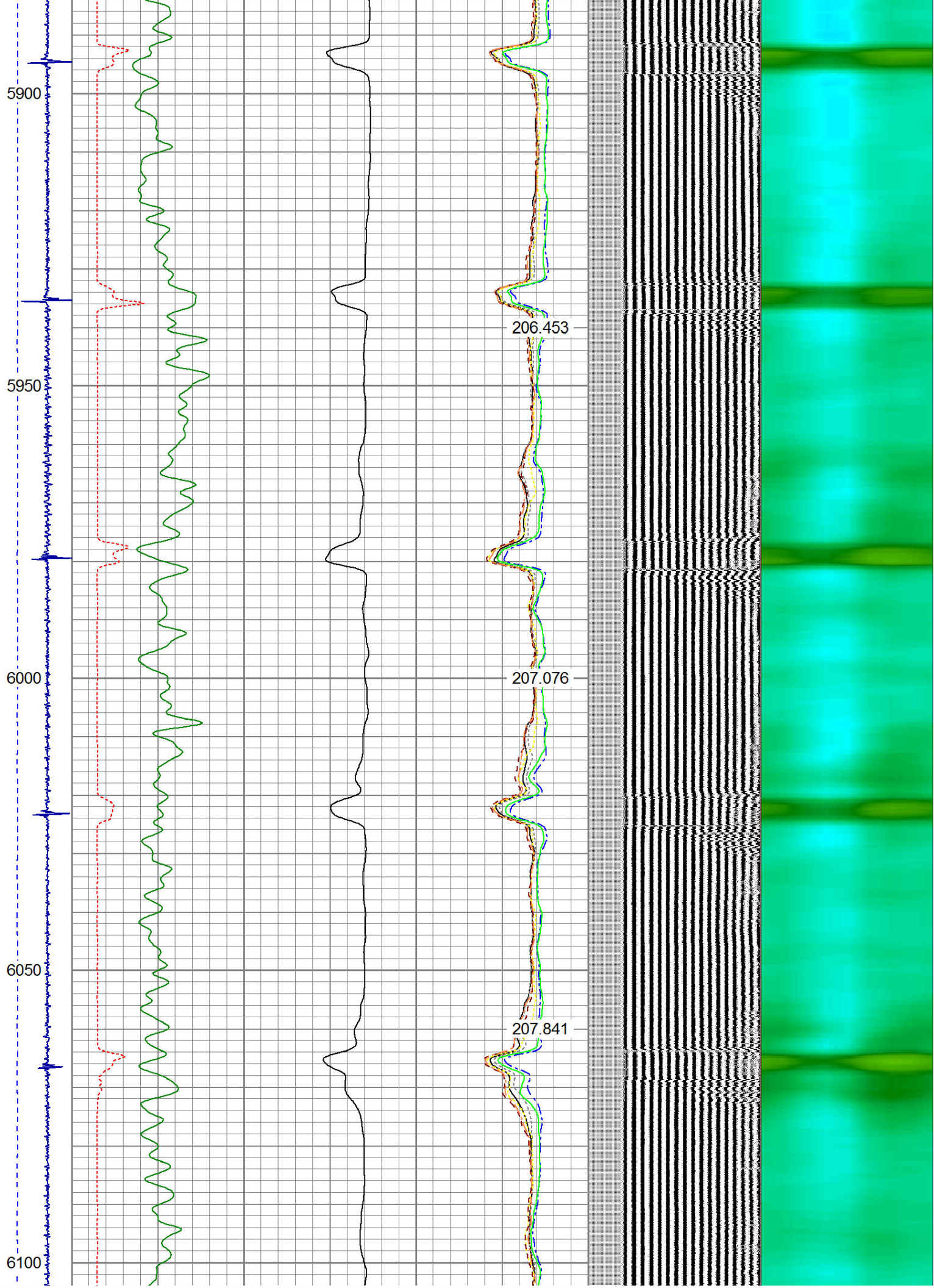
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204.981

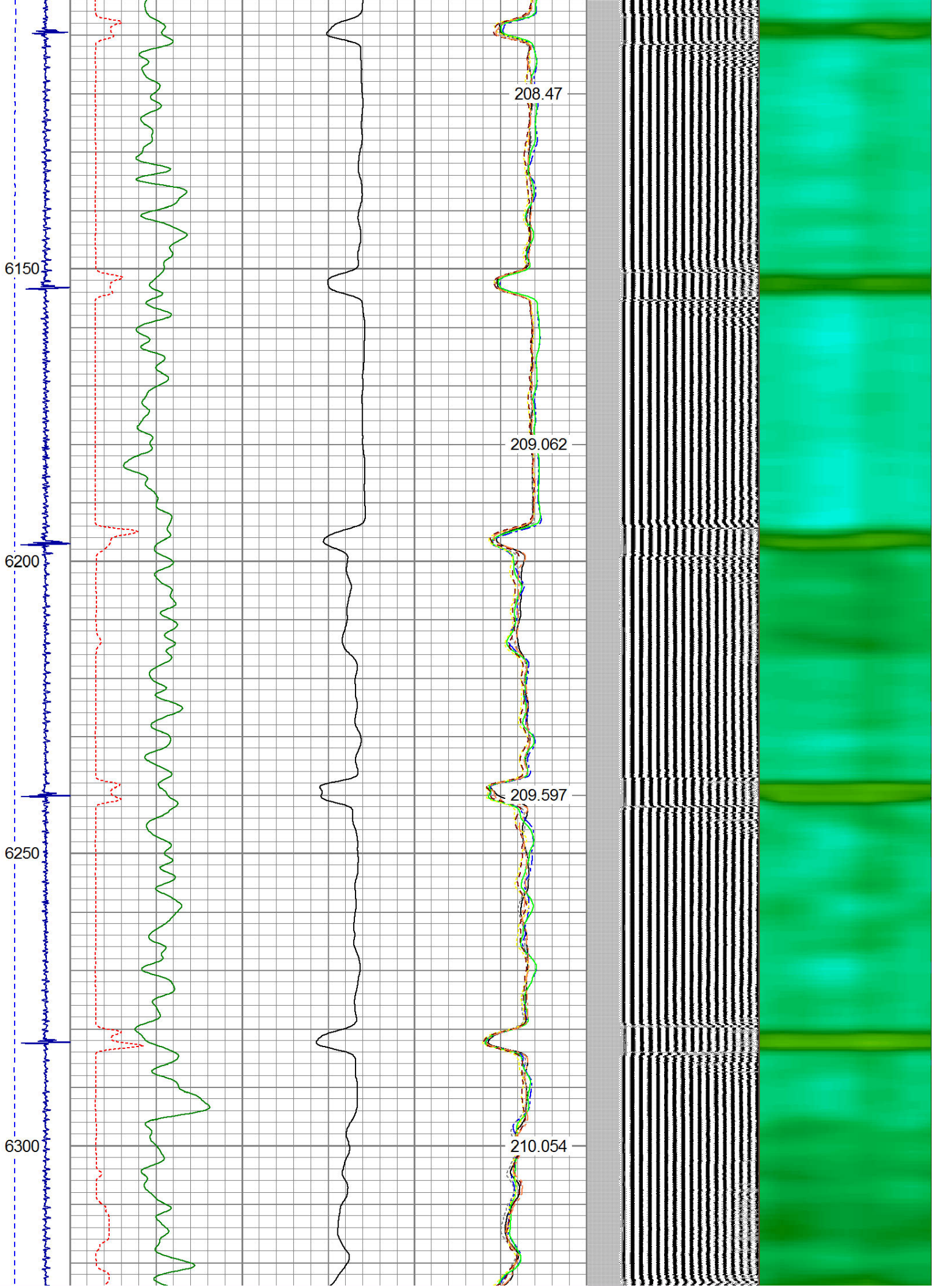
205.619













6350

6400

6450

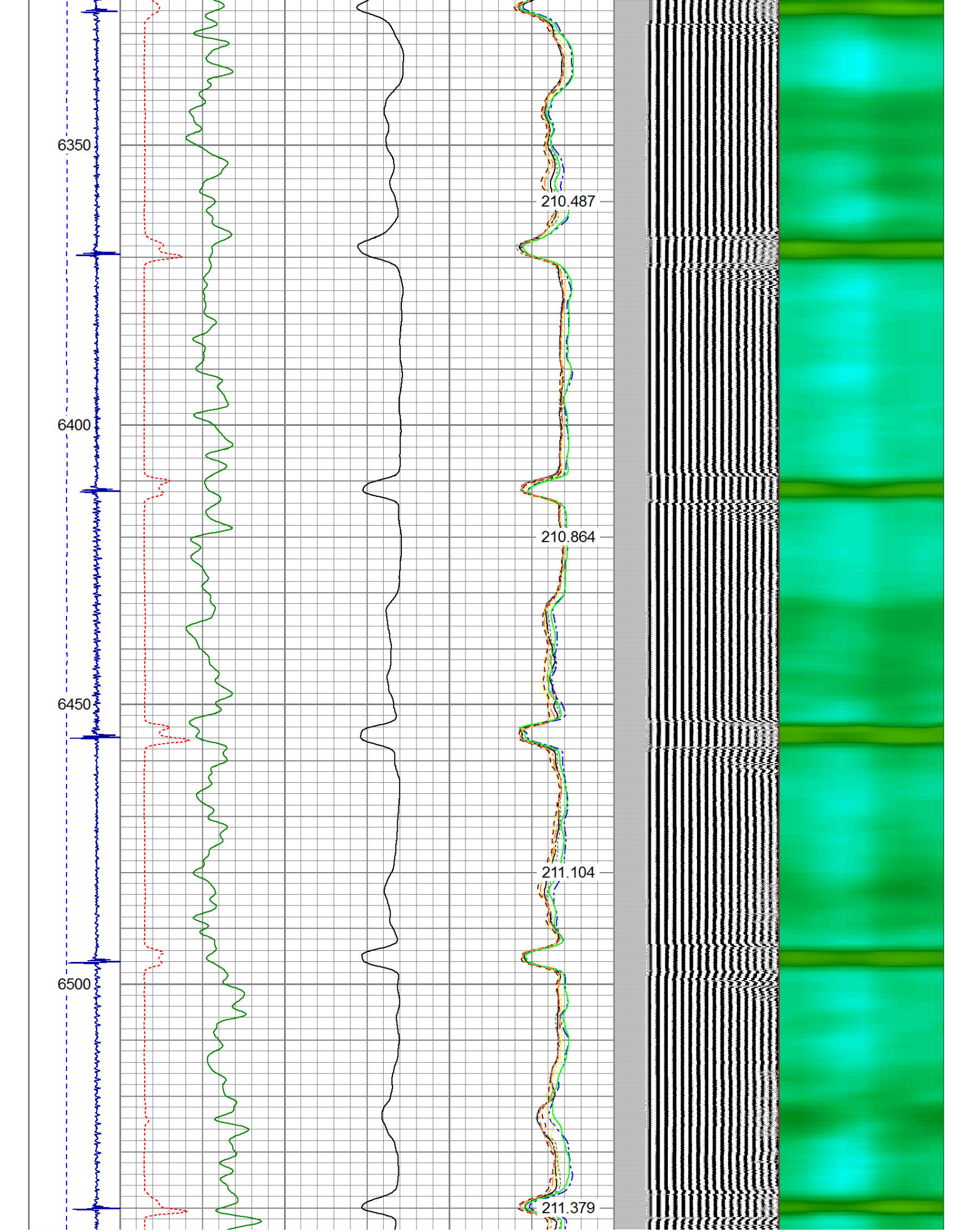
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210.487

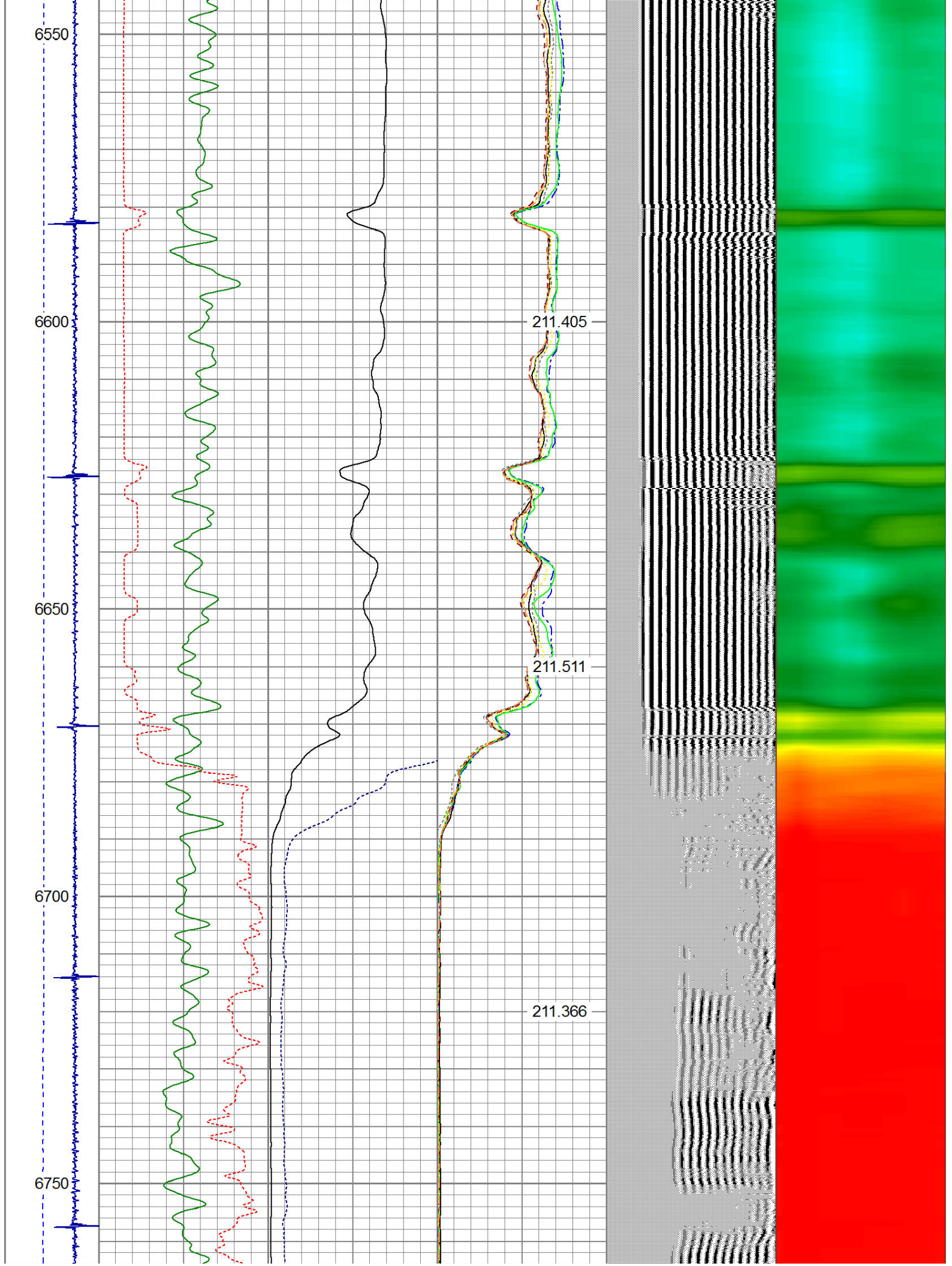
210.864

211.104

211.379









6800

6850

6900

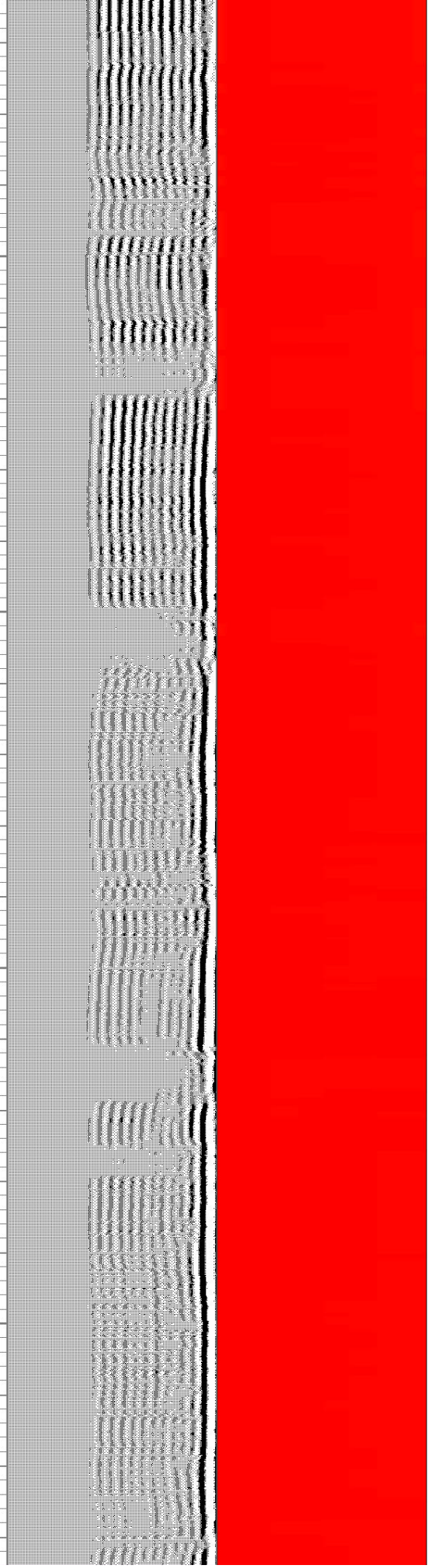
6950

211.281

211.023

210.659

210.187





7000

7050

7100

7150

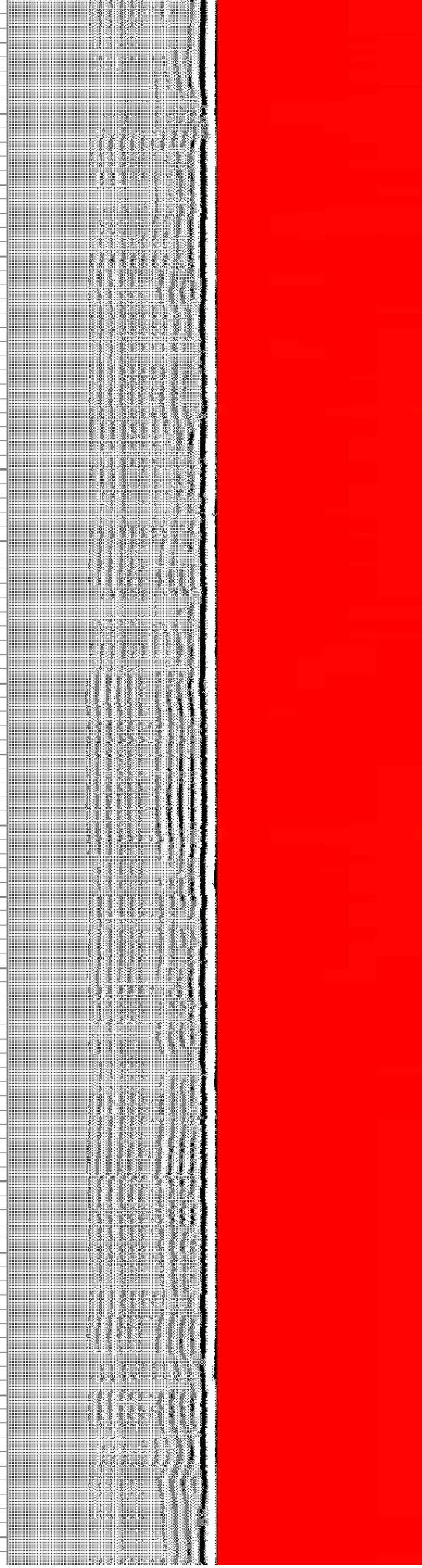
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209.573

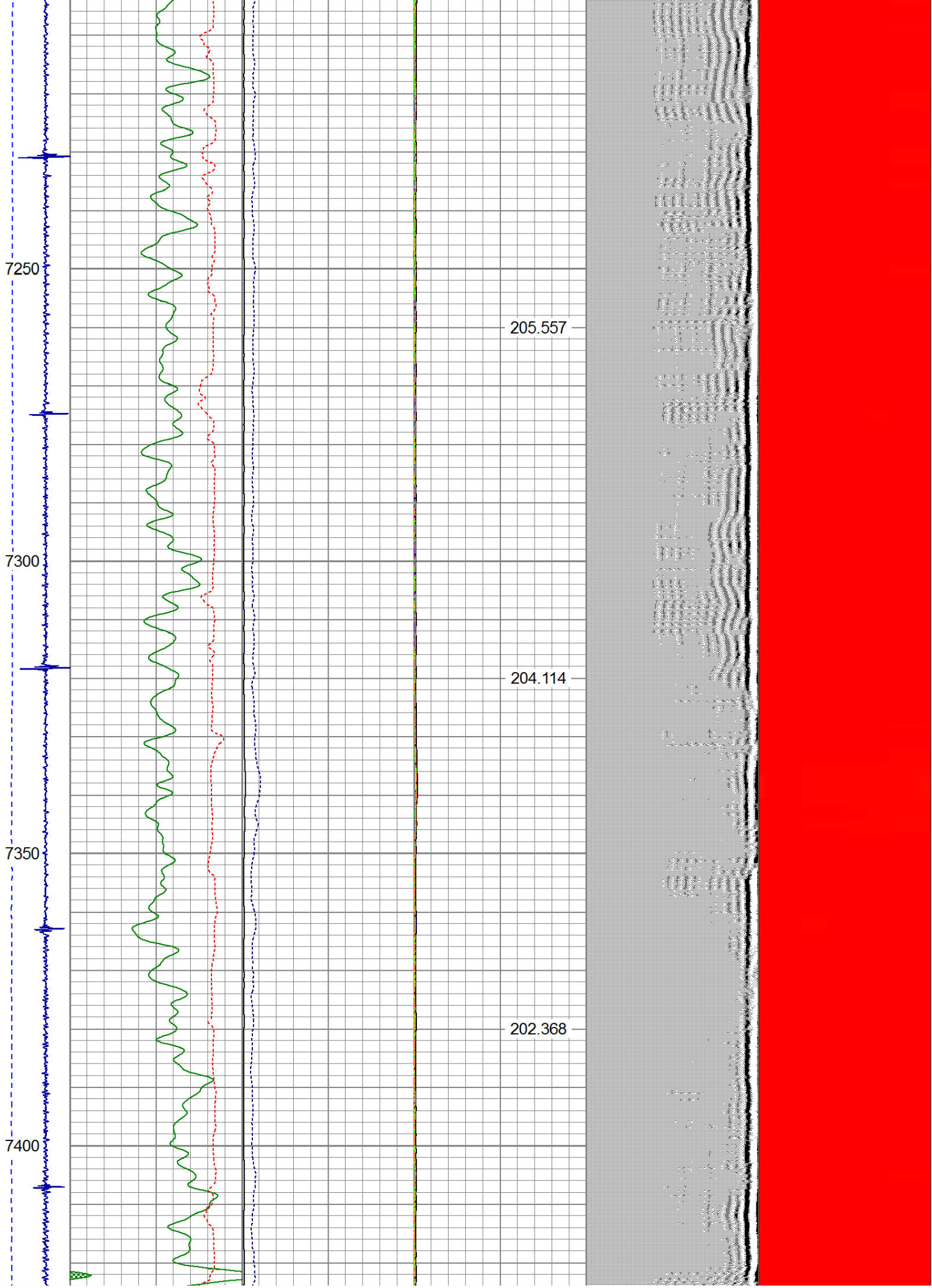
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207.911

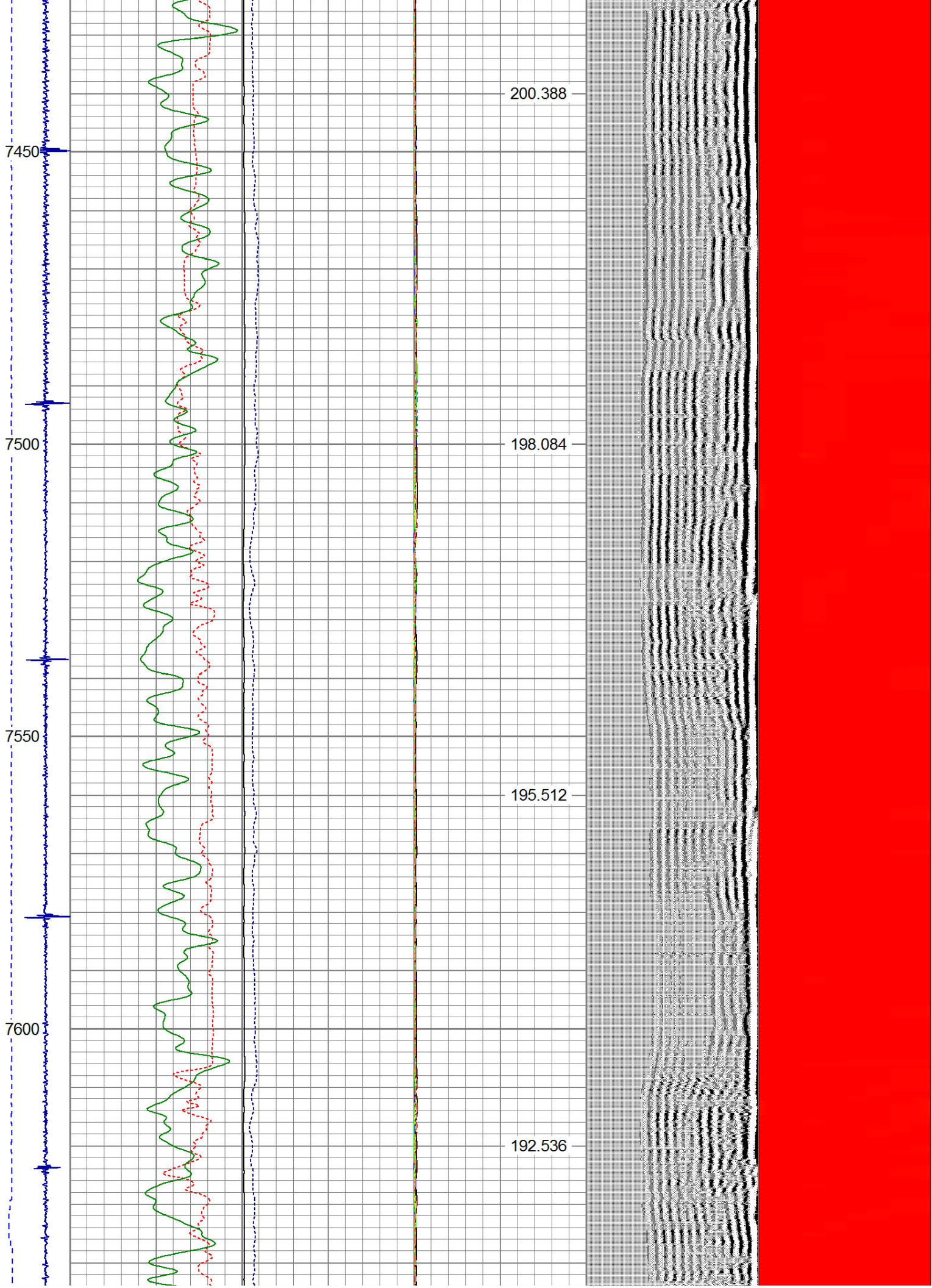
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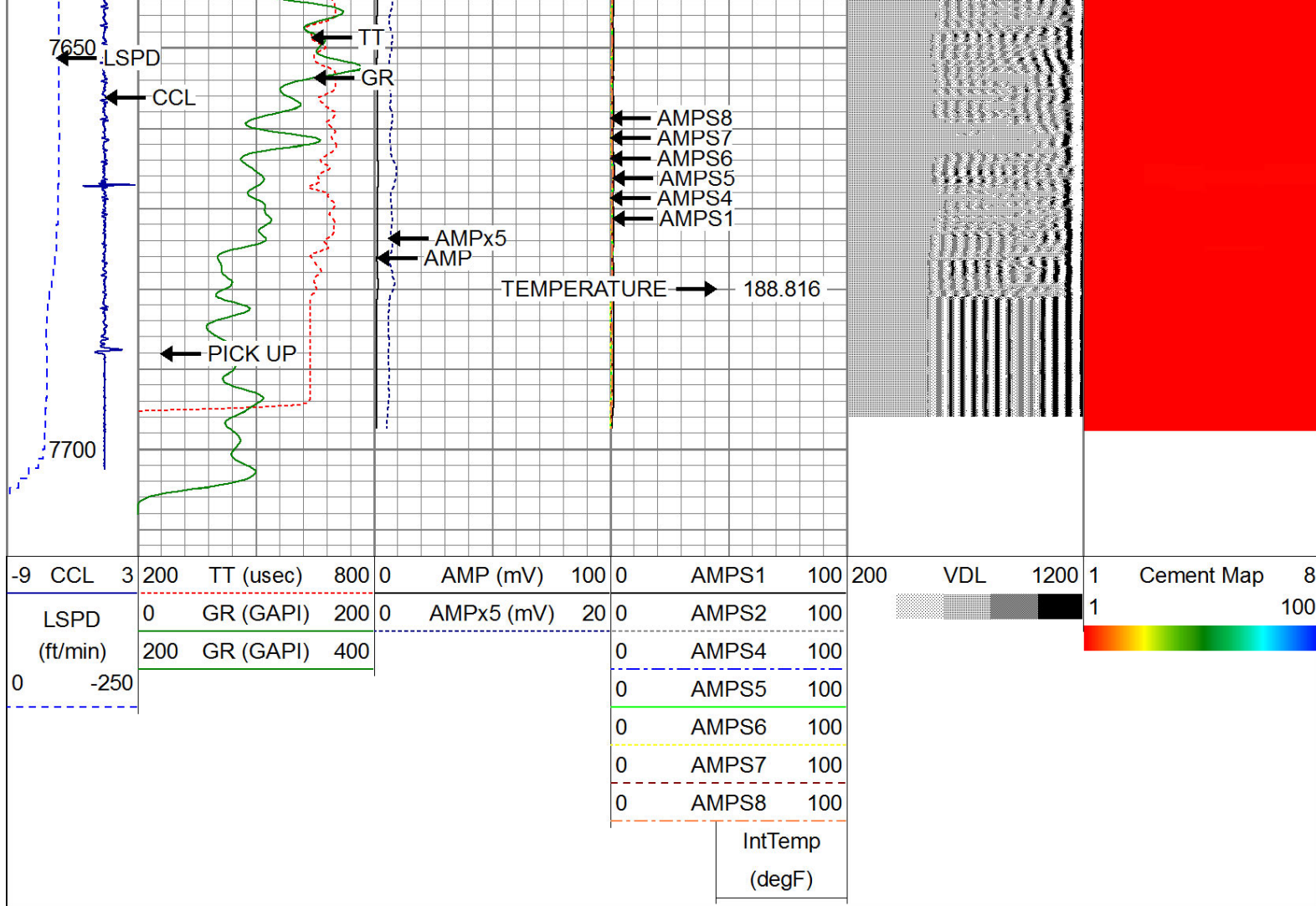












**WARRIOR**  
ENERGY SERVICES

Company Kerr McGee Oil & Gas  
Well CHAMPLIN 86 AMOCO Q 1  
Field Wattenberg  
County Weld  
State CO