



RADIAL CEMENT BOND LOG

Company	ANADARKO
Well	SWEETGRASS 11-14
Field	WATTENBERG
County	WELD
State	COLORADO
Location:	API # : 05-123-32846
Permanent Datum	SEC 14 TWP 1N RGE 68W
Log Measured From	GROUND LEVEL Elevation 5104'
Drilling Measured From	KELLY BUSHING = 15'
	KELLY BUSHING
Other Services	NONE
Elevation	K.B. 5119'
	D.F. 5118'
	G.L. 5104'

Date	22 AUGUST 2019
Run Number	ONE
Depth Driller	8590'
Depth Logger	7550'
Bottom Logged Interval	7550'
Top Log Interval	SURFACE
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	~8.3#
Max. Recorded Temp.	232 DEG F
Estimated Cement Top	535'
Time Well Ready	ROA
Time Logger on Bottom	1530
Equipment Number	W-060
Location	WINDSOR, CO
Recorded By	T. HAWLEY
Witnessed By	SOCORRO OLIVAS

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
1							
2							
Casing Record	Size			Wgt/Ft		Top	Bottom
Surface String	8.625" / J-55			24#		0'	1205'
Prot. String							
Production String	4.5" / I-80			11.6#		0'	8577'
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.

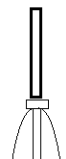
Comments

THANK YOU FOR USING CUTTERS WIRELINE

LOG RAN UNDER 500PSI

LOG ZEROED AT KELLY BUSHING

FREE PIPE CALIBRATION @ 110'

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00

Tool Joint	Depth (ft)	Tool Joint Diagram	Tool Joint Description	Length (ft)	O.D. (in)	Weight (lb)
Probe	2.83		Probe	2.75	40.00	
RBT8acc-Probe275acc (FW1905-150)	9.20		2.75" Radial Corrosion with accelerometer	2.75	110.00	
WVF3FT	11.85					
WVFS1	11.85					
WVFS2	11.85					
WVFS3	11.85					
WVFS4	11.85					
WVFS5	11.85					
WVFS6	11.85					
WVFS7	11.85					
WVFS8	11.85					
WVF5FT	10.85					
WVFCAL	7.60					
WVFSYNC	7.60					
RBT_HV	7.60					
ACCX	7.60					
ACCY	7.60					
ACCZ	7.60					
Probe	2.83		Probe	2.75	40.00	
CCL	3.92					
GCT_Temp	3.17					
GR	2.42		GR-GCT (FW1906-035) Gamma Corrosion Temperature	4.77	35.00	

Dataset: sweetgrass 11-14.db: field/well/run1/pass4.1

Total Length: 20.64 ft

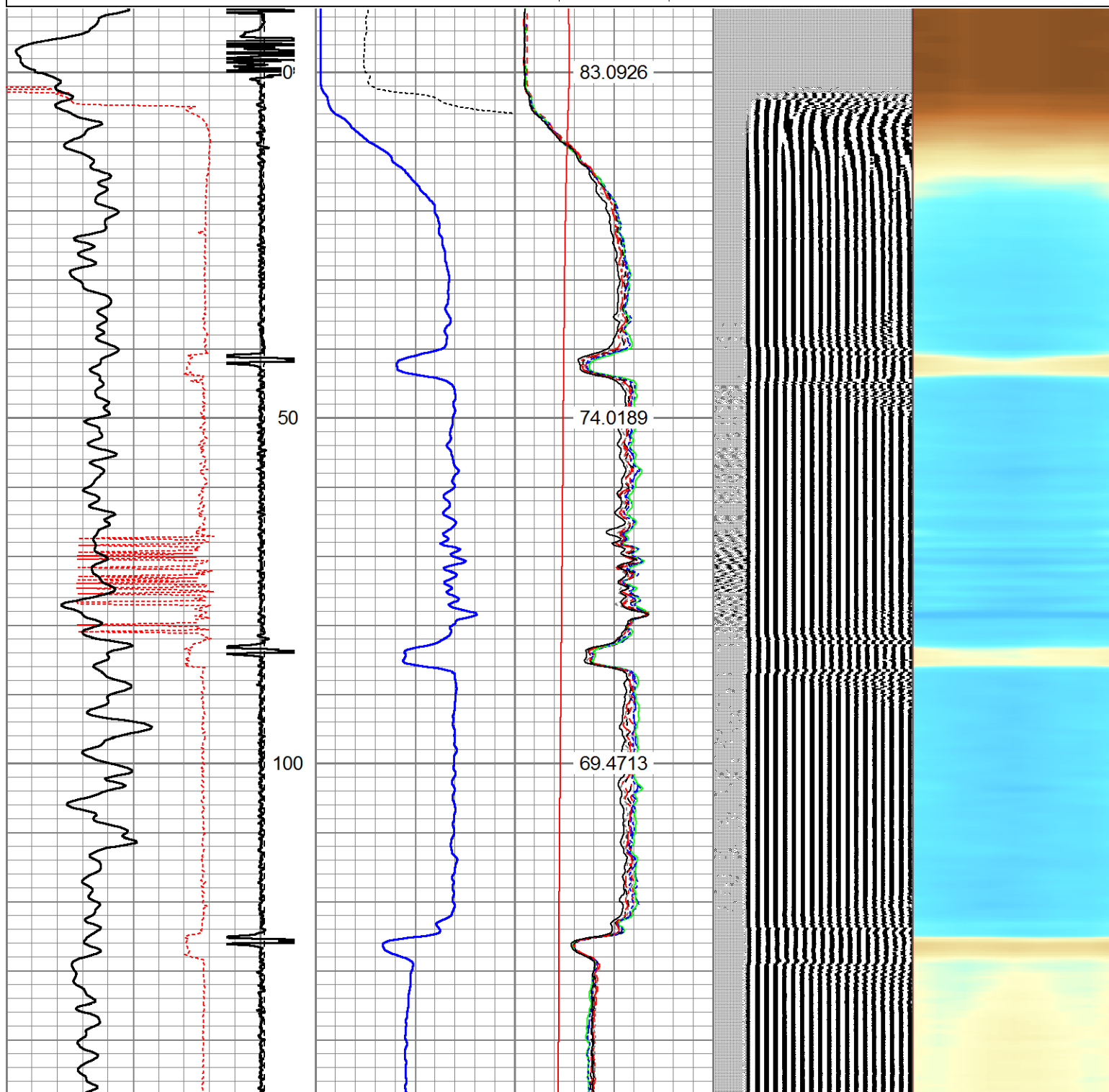
Total Weight: 235.00 lb

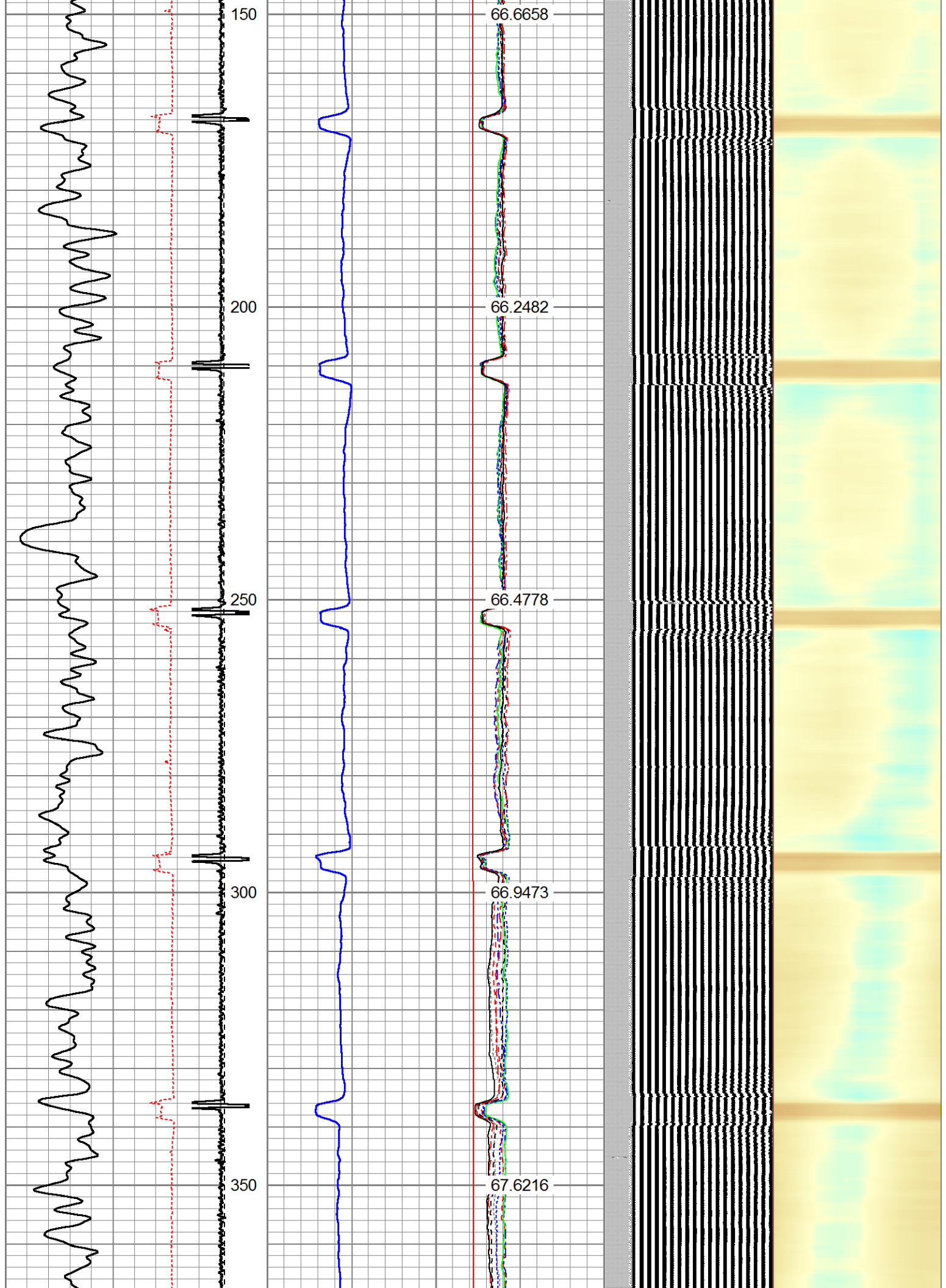
O.D. 2.75 in

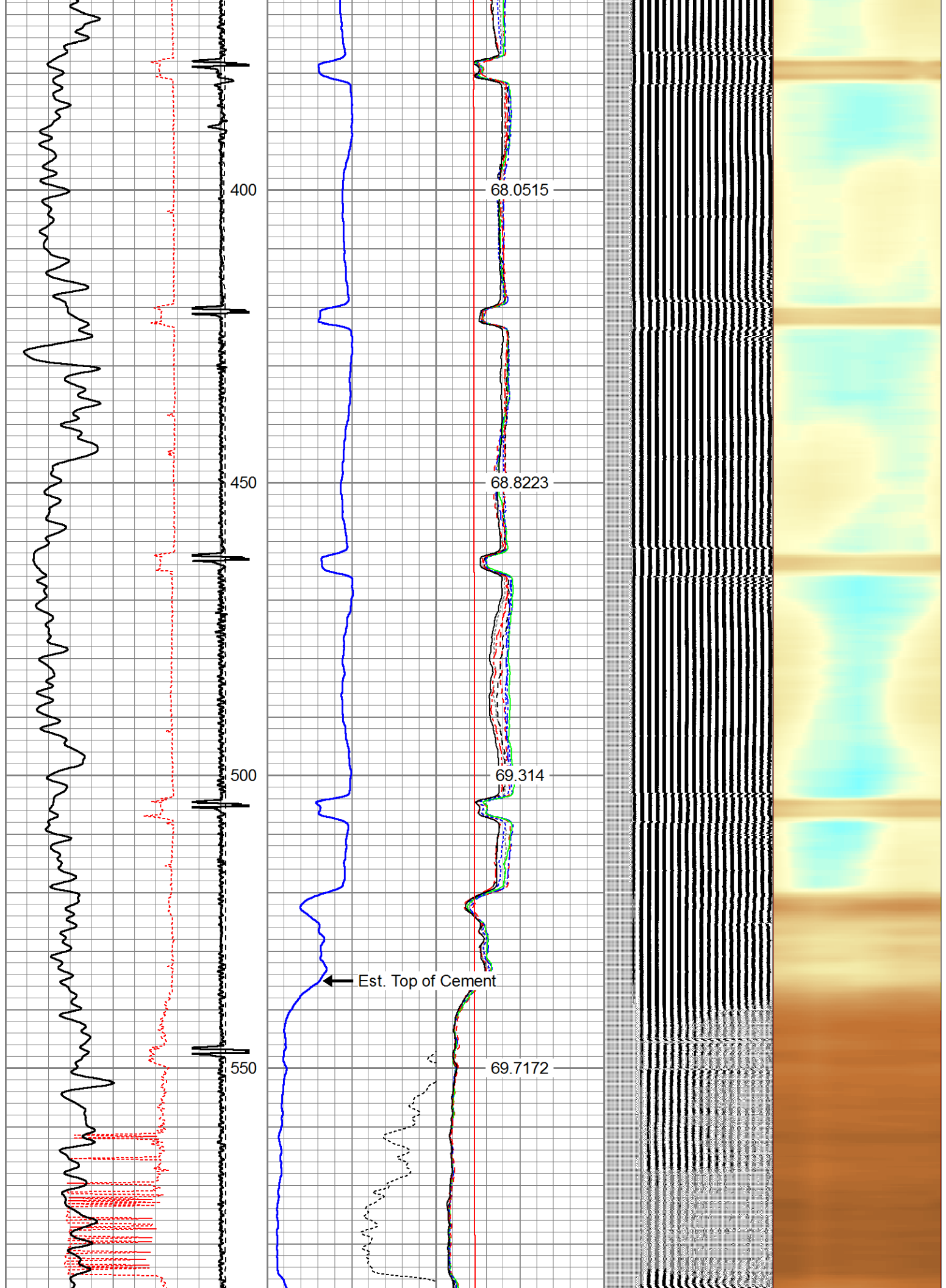
Charted by:

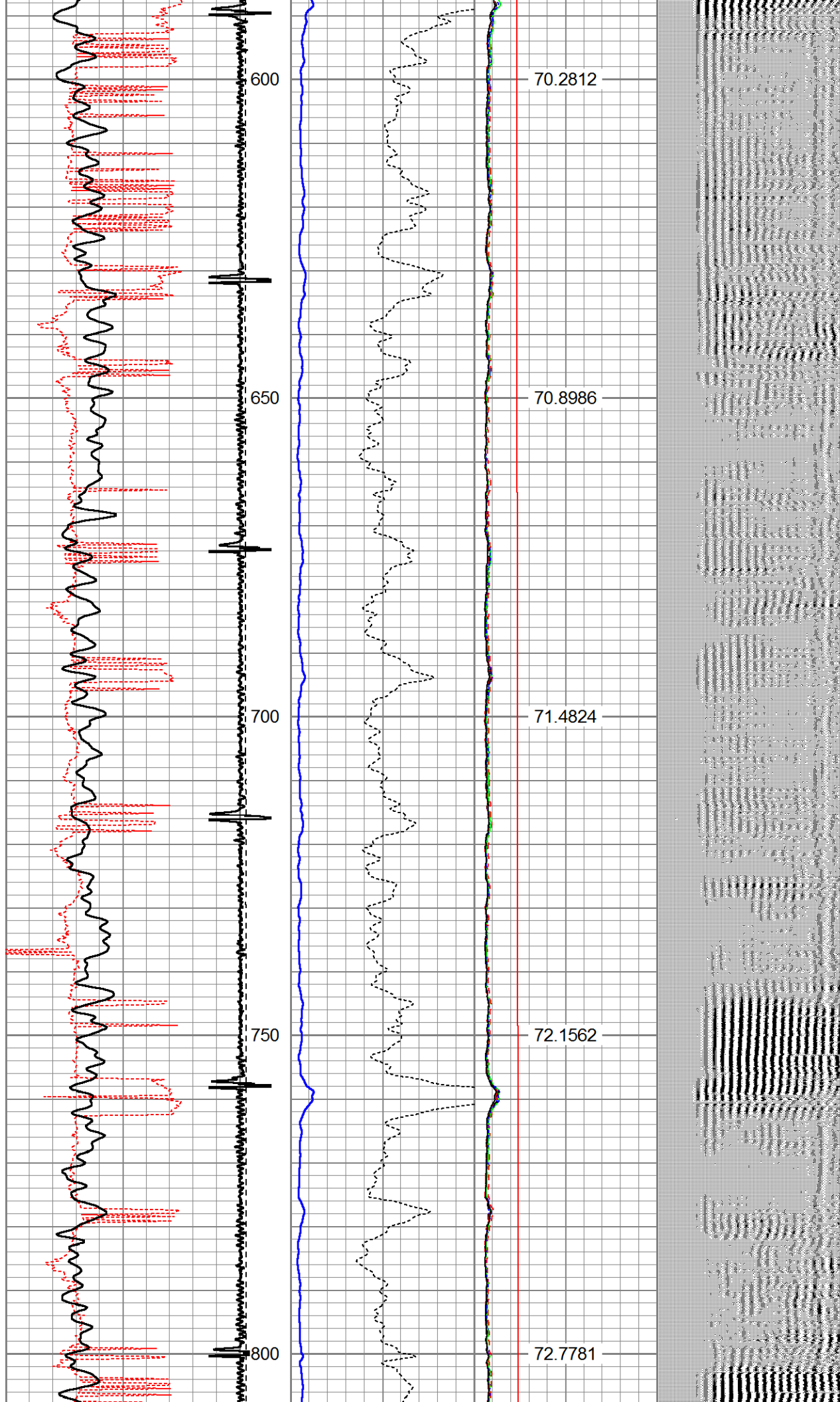
Depth in Feet scaled 1.240

325	TT (usec)	225	LTEN	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map	1	100
0	GR (GAPI)	200	(lb)	0	Amplified Amplitude	(mV)	10	-5	AMPS3	150					
			CCL	000				-5	AMPS4	150					
								-5	AMPS5	150					
								-5	AMPS6	150					
								-5	AMPS7	150					
								-5	AMPS8	150					
								-5	AMPS1	150					
									GCT_Temp						
									(degF)	300					
									GCT_Temp						
									(degF)						









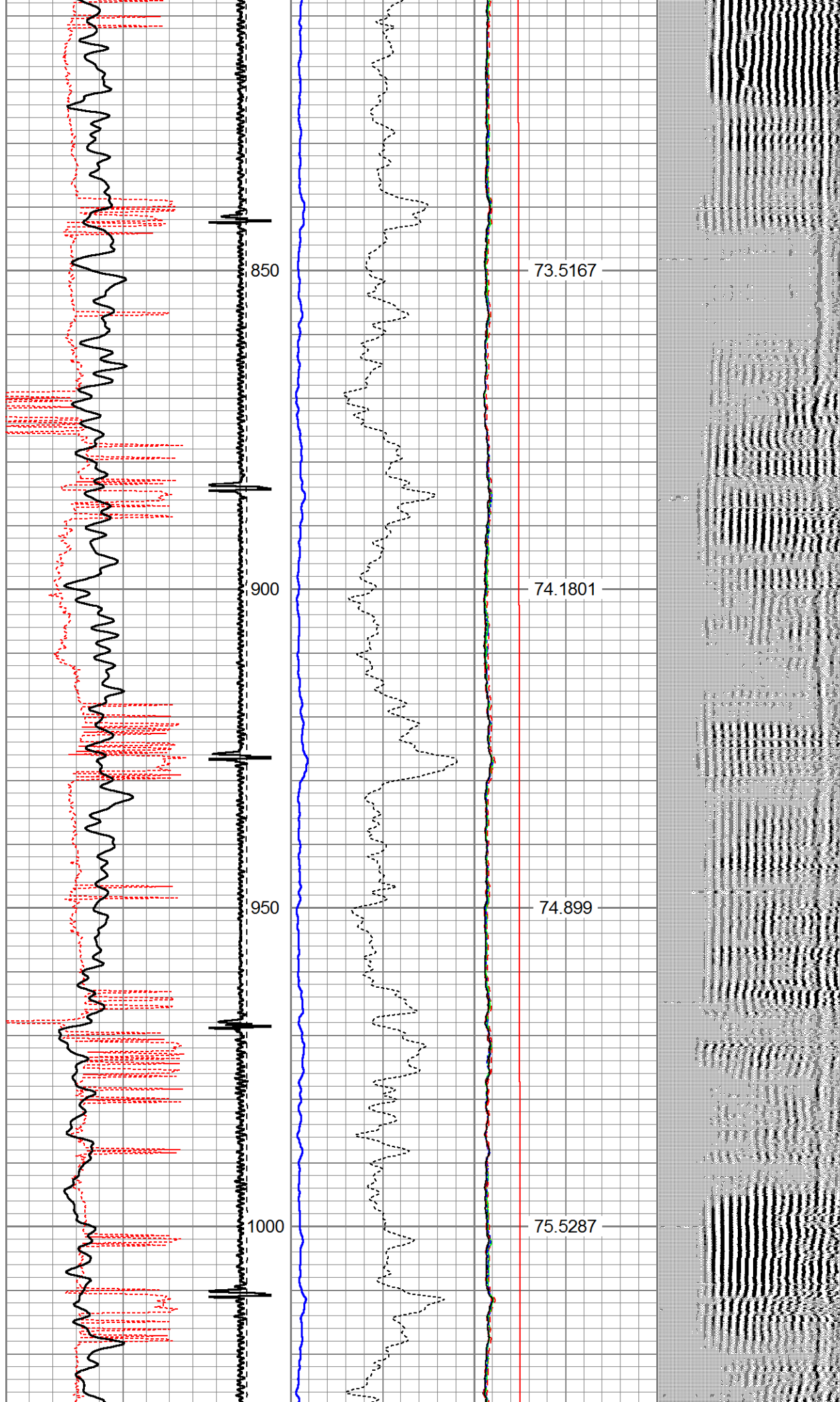
70.2812

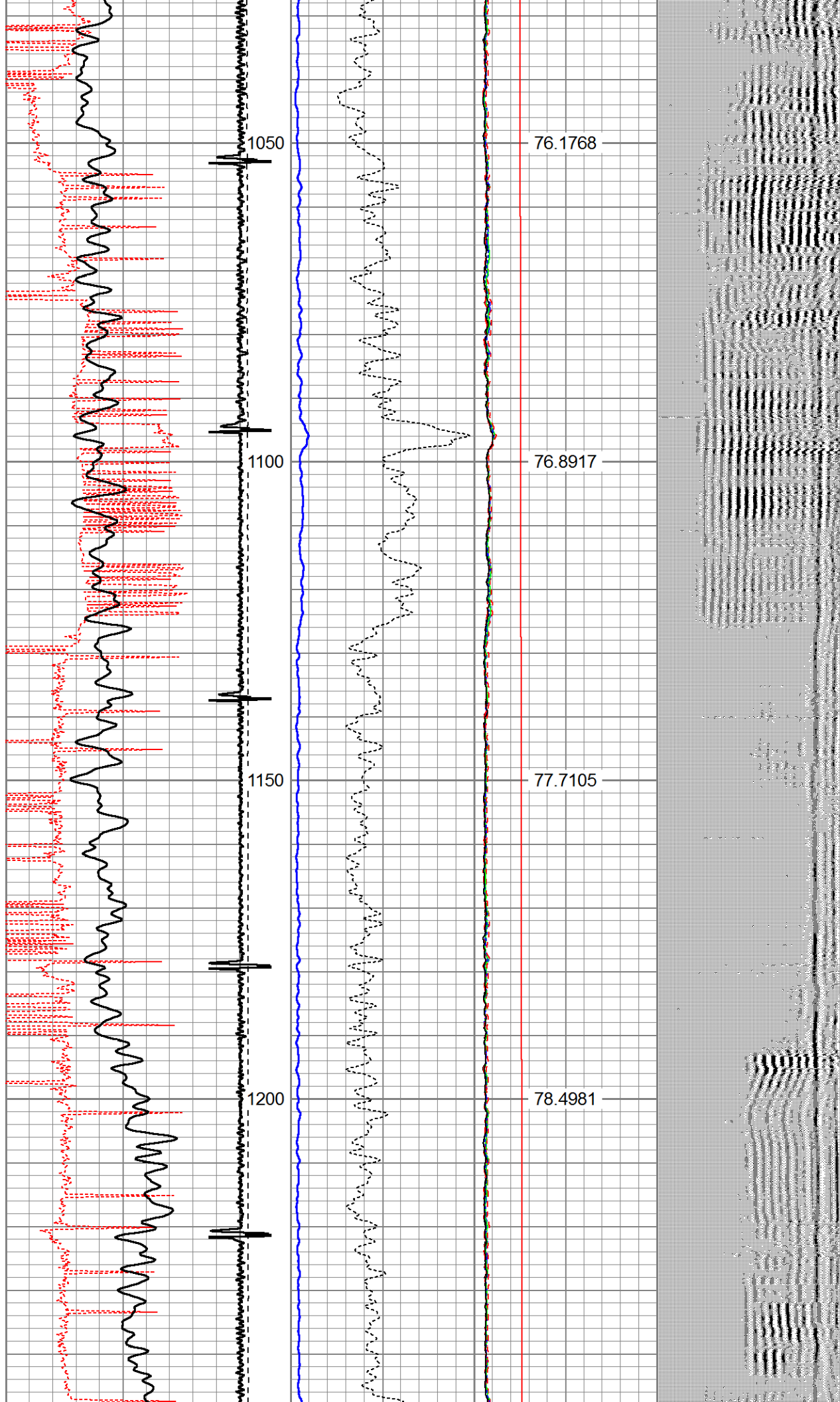
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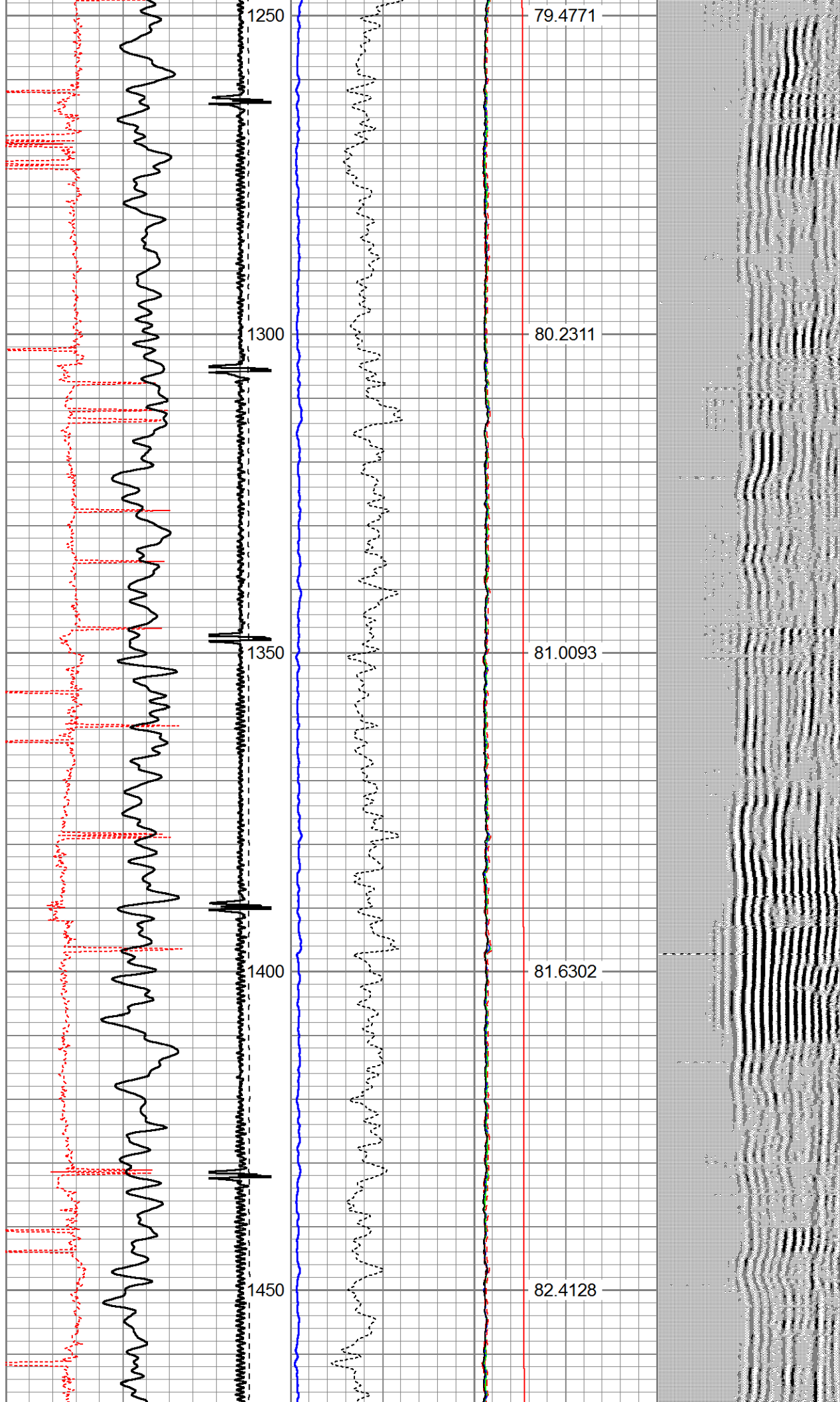
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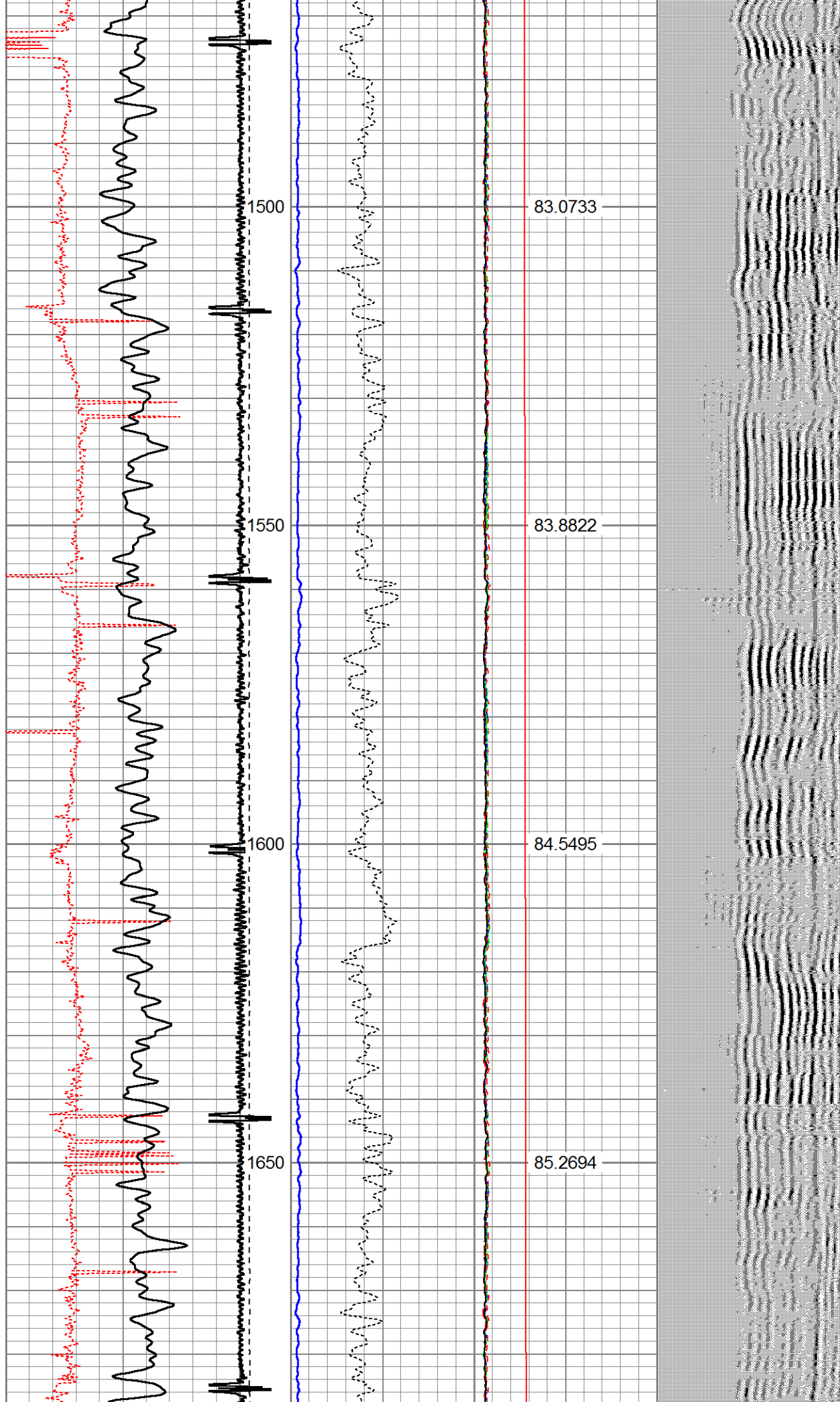
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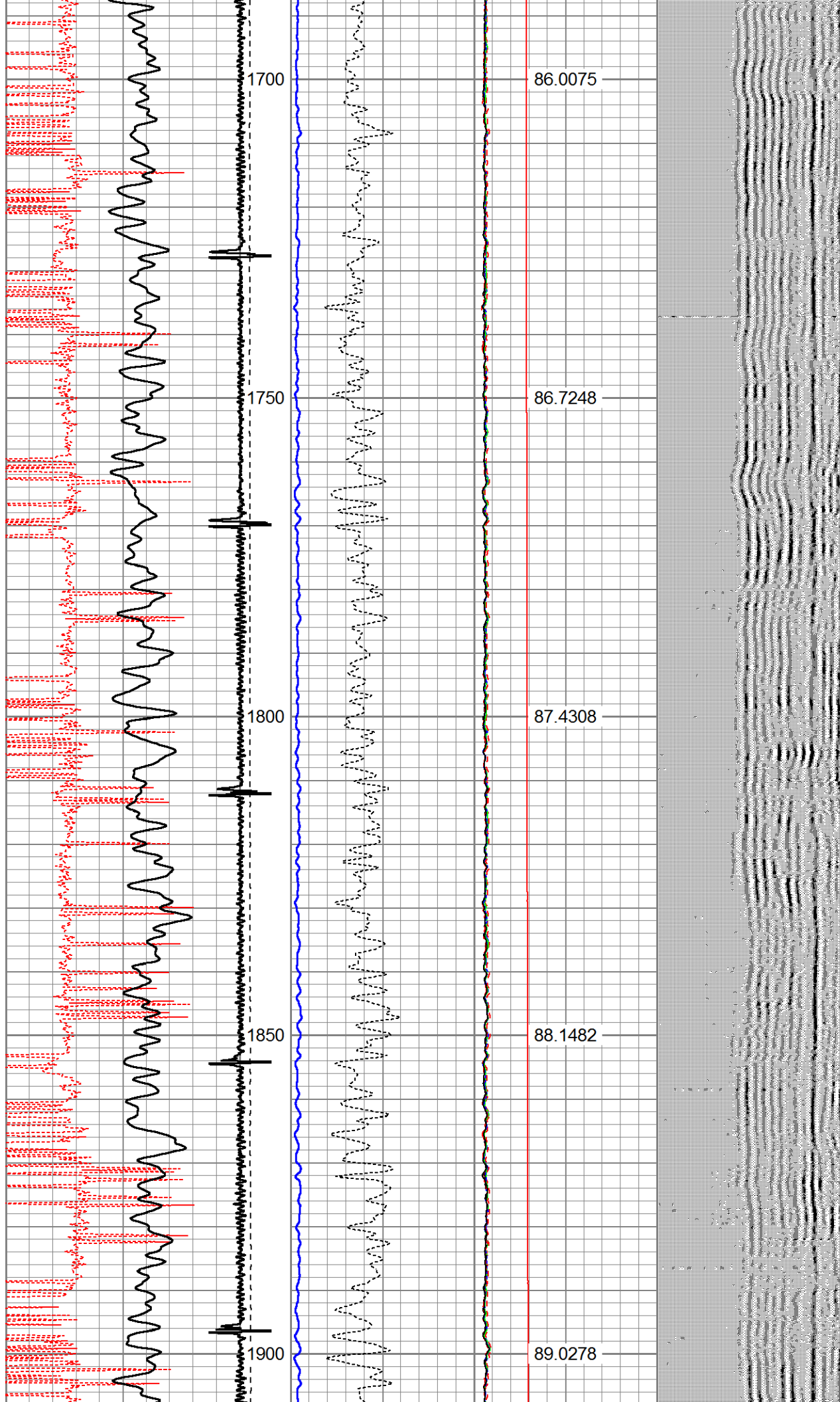
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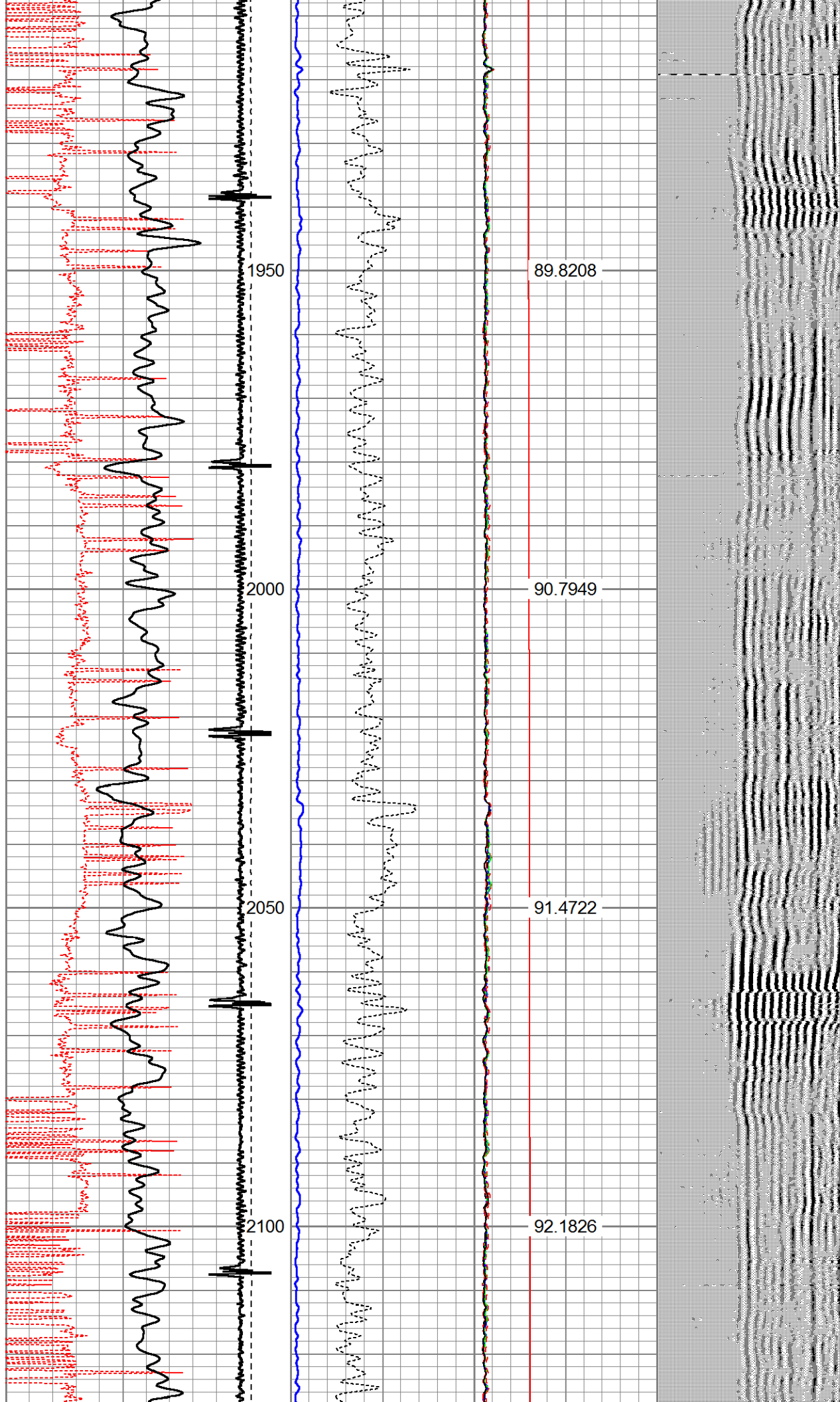


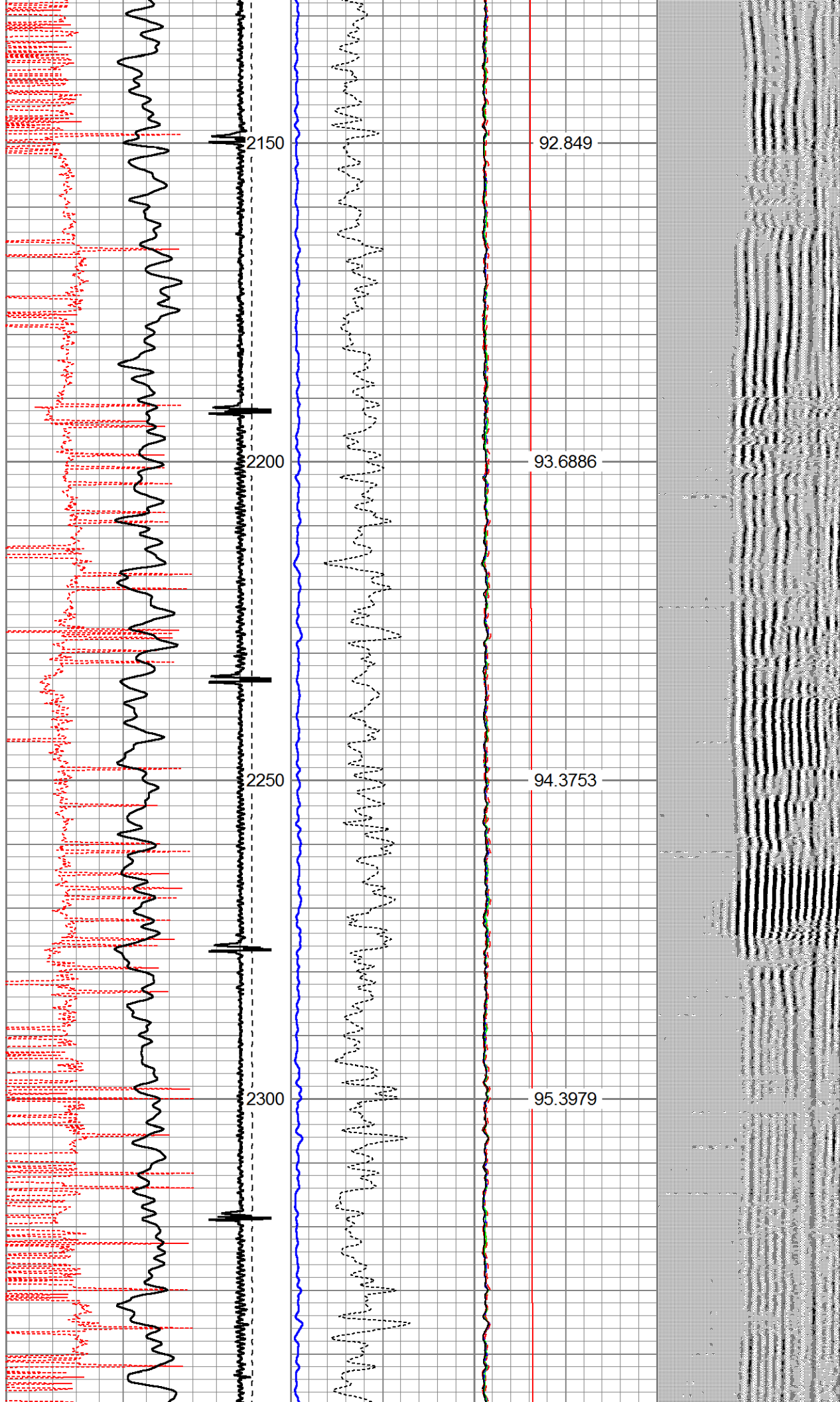


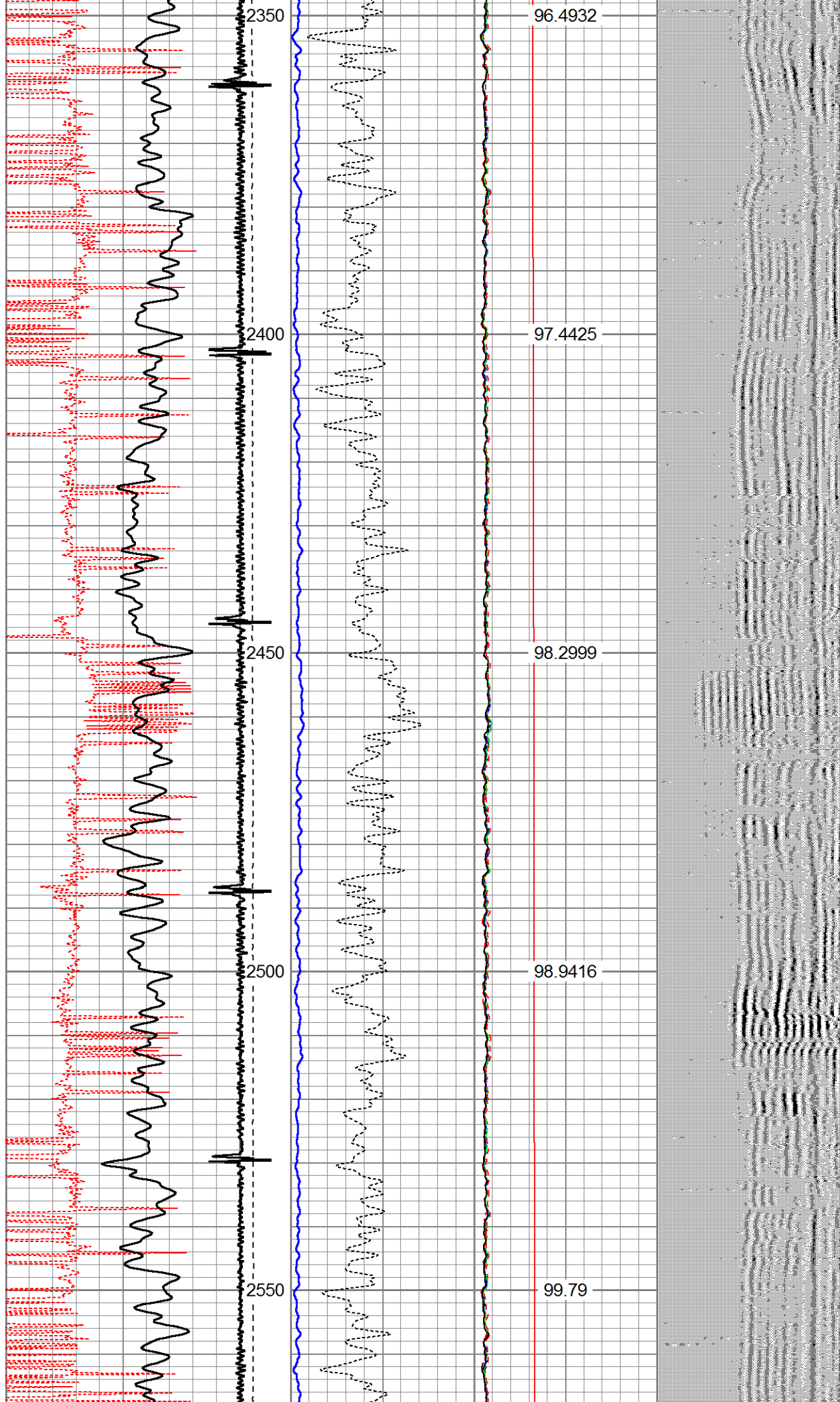


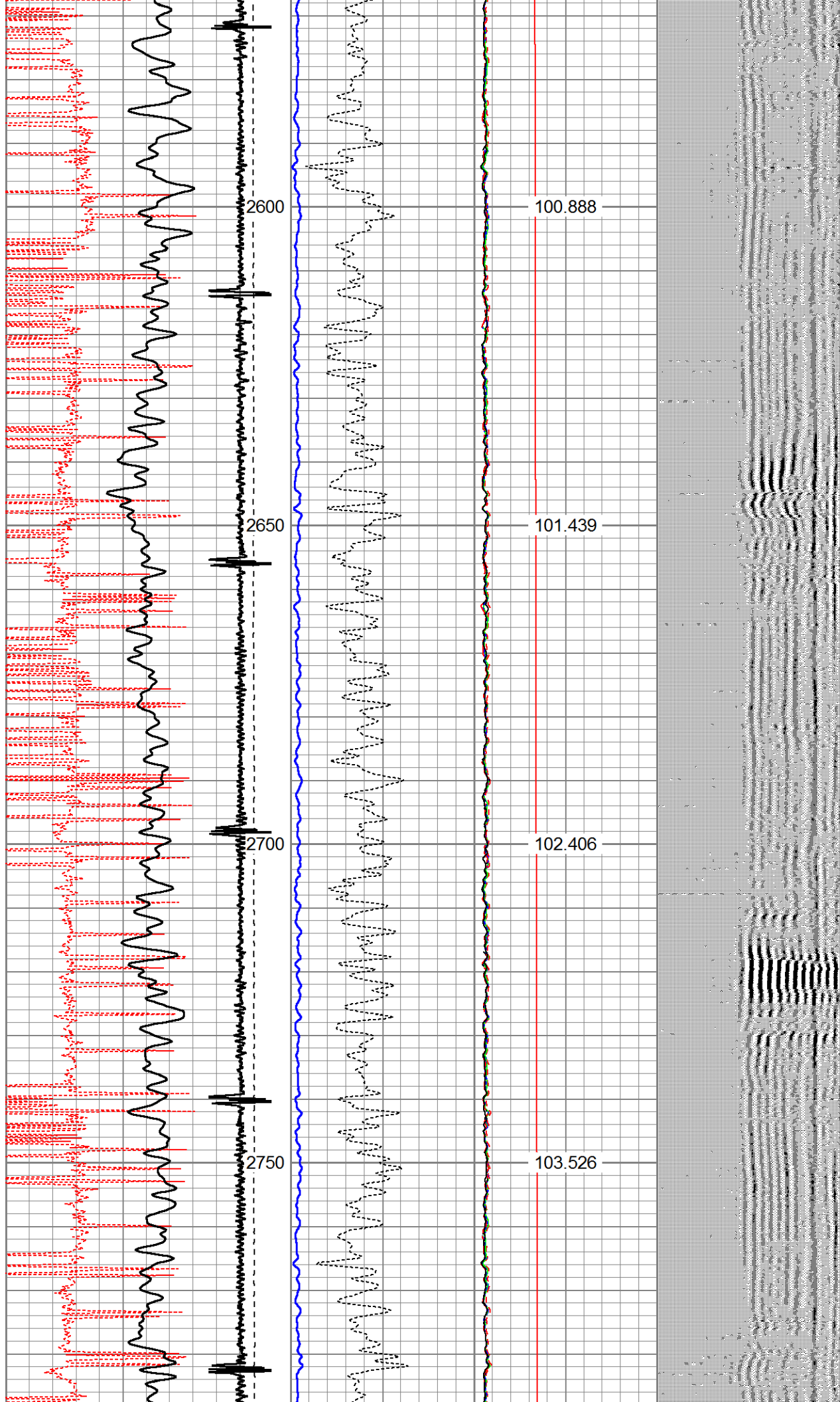


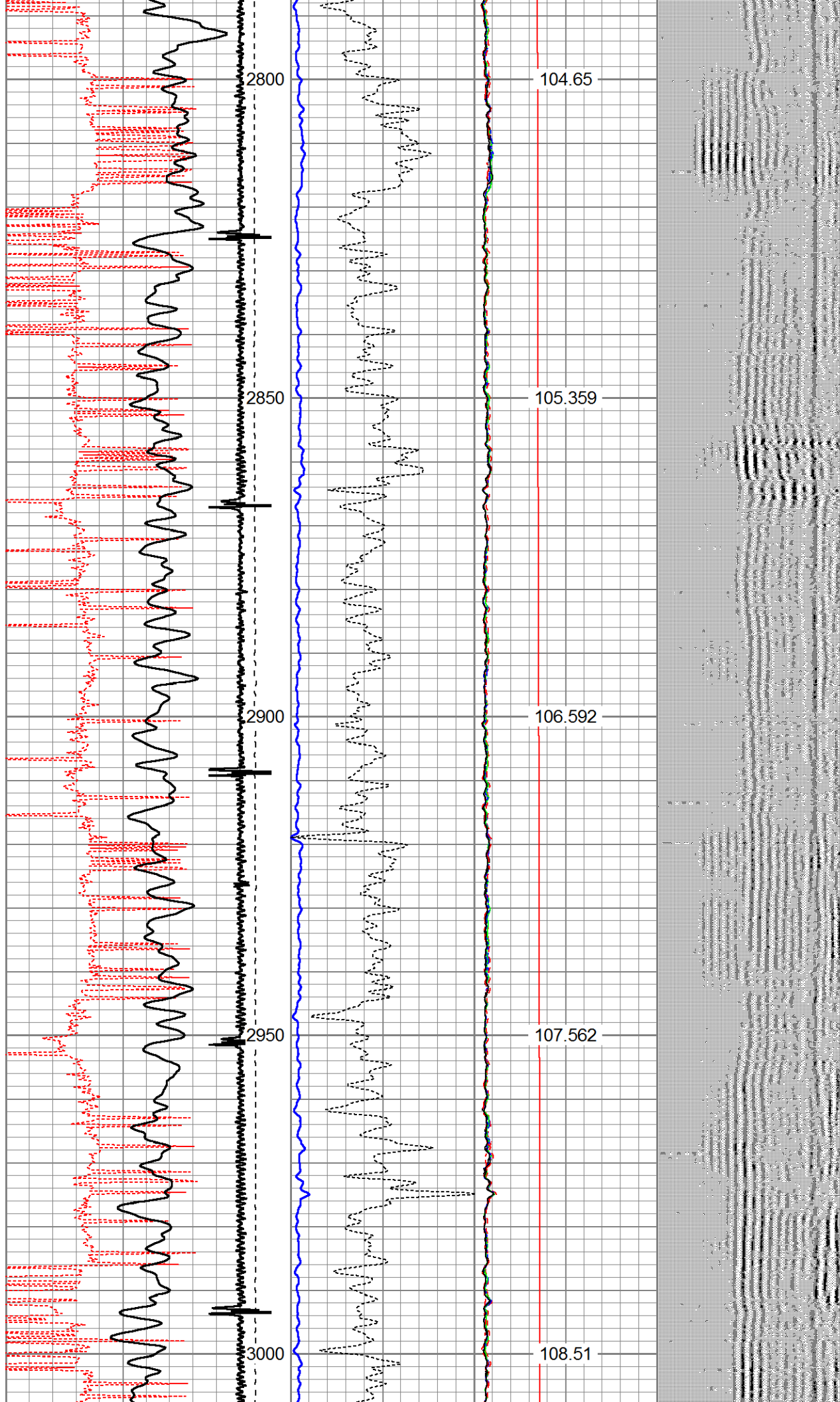


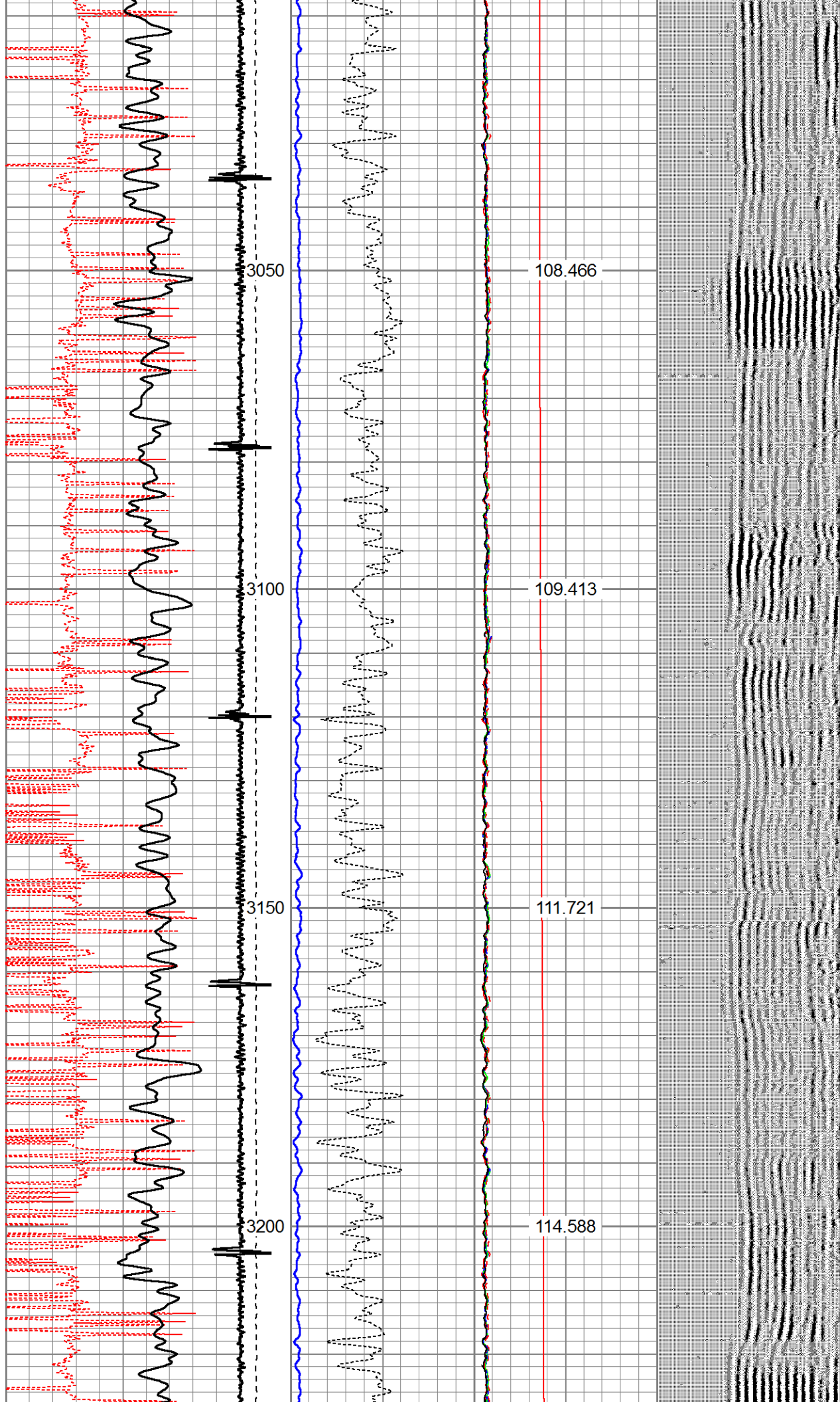


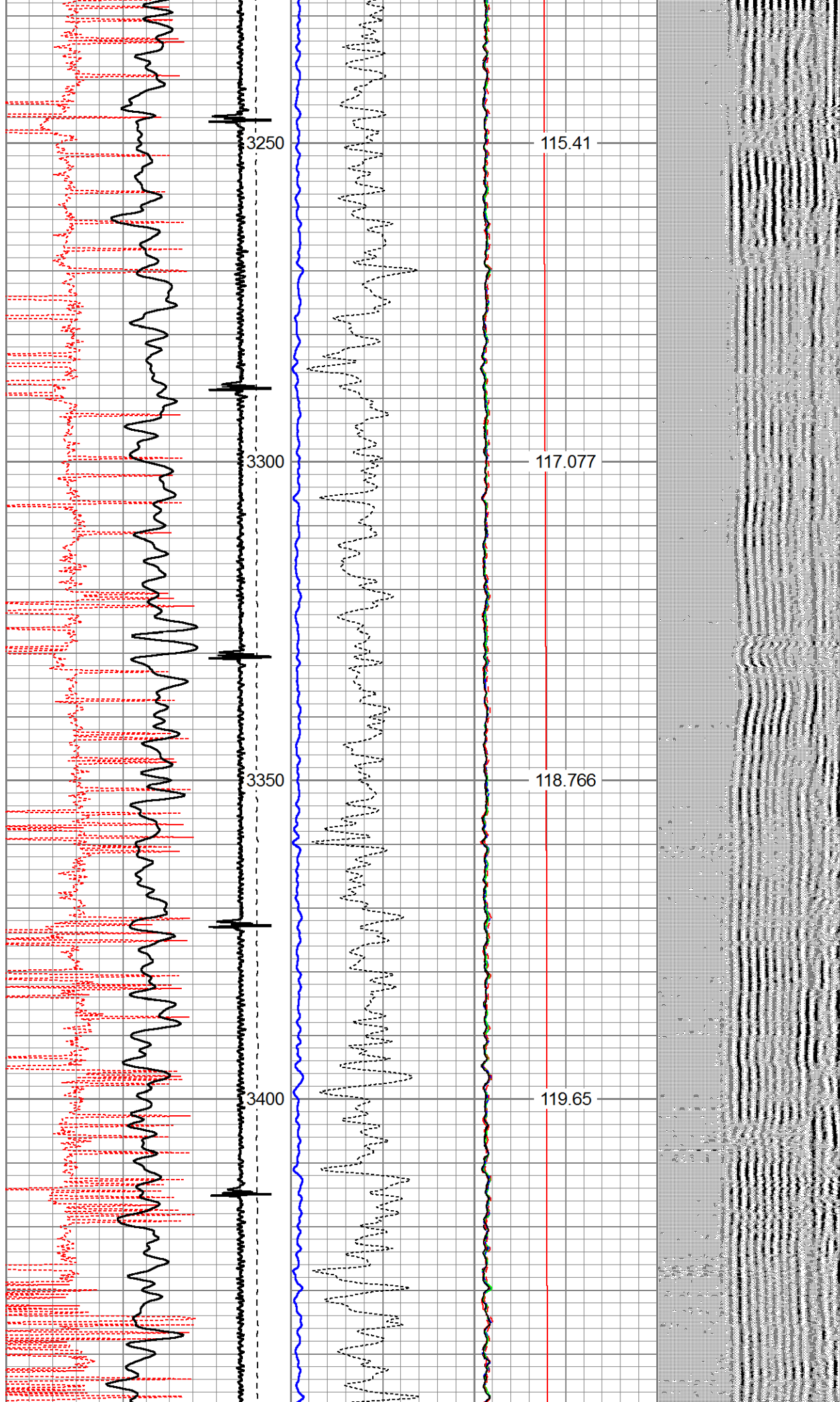


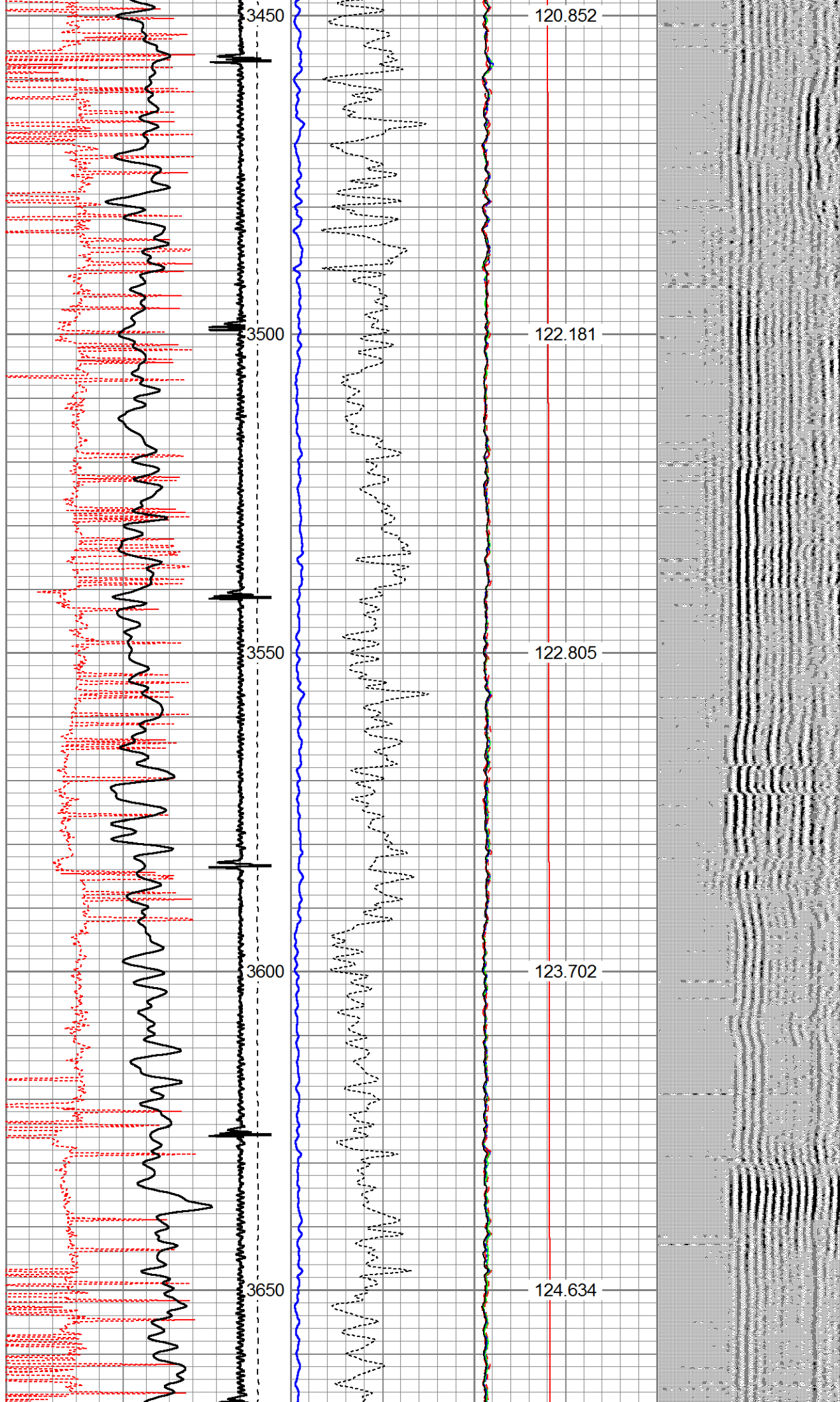


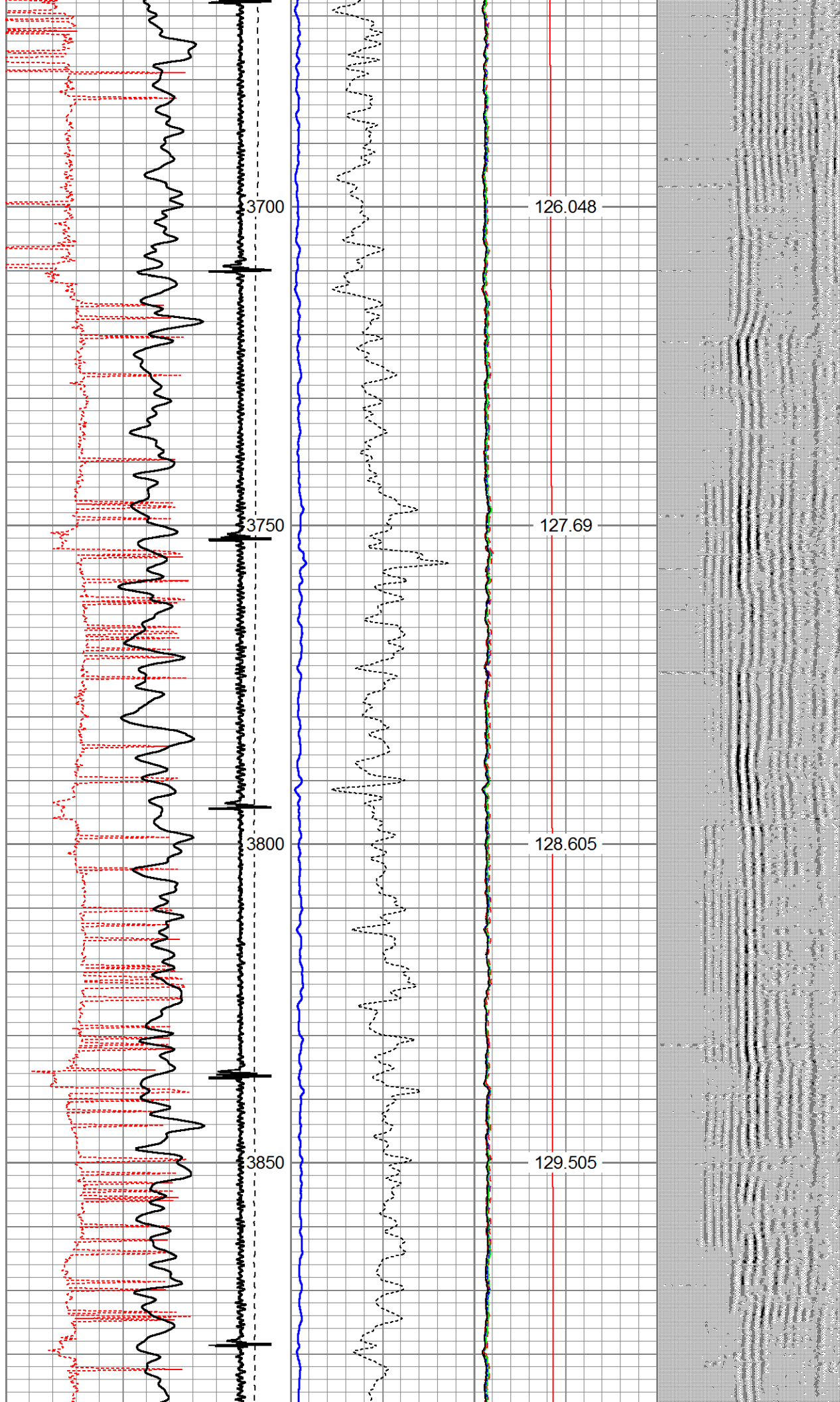


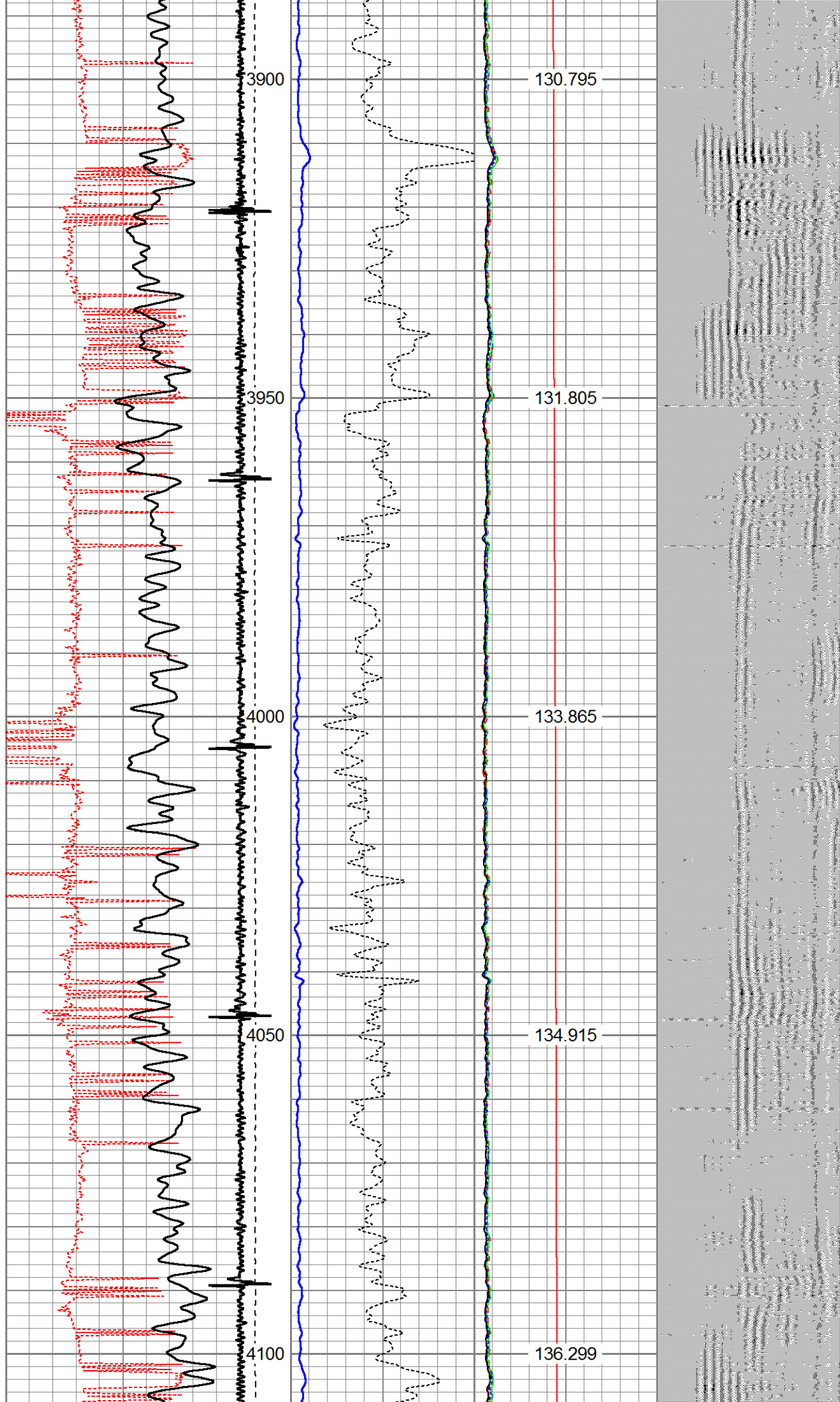


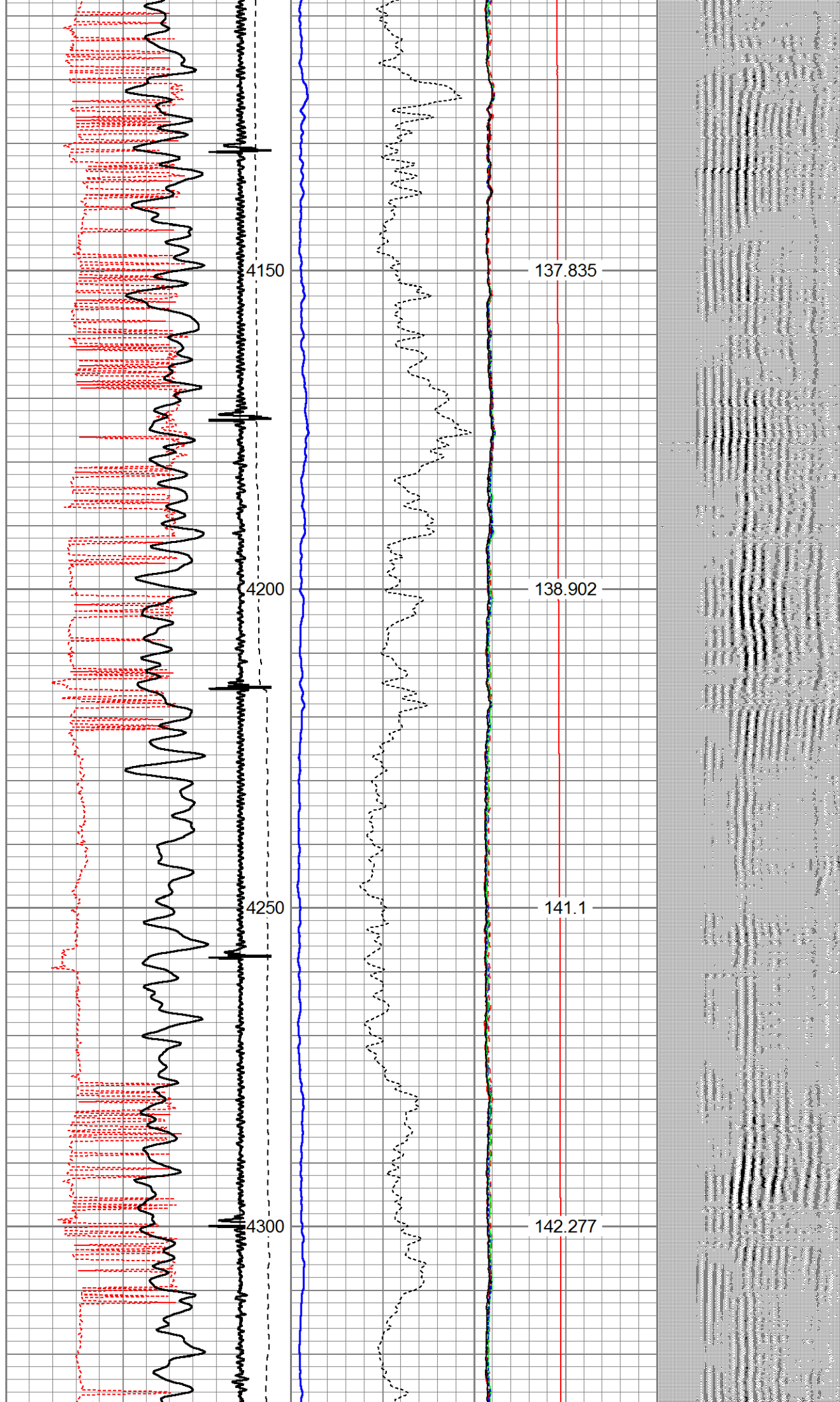


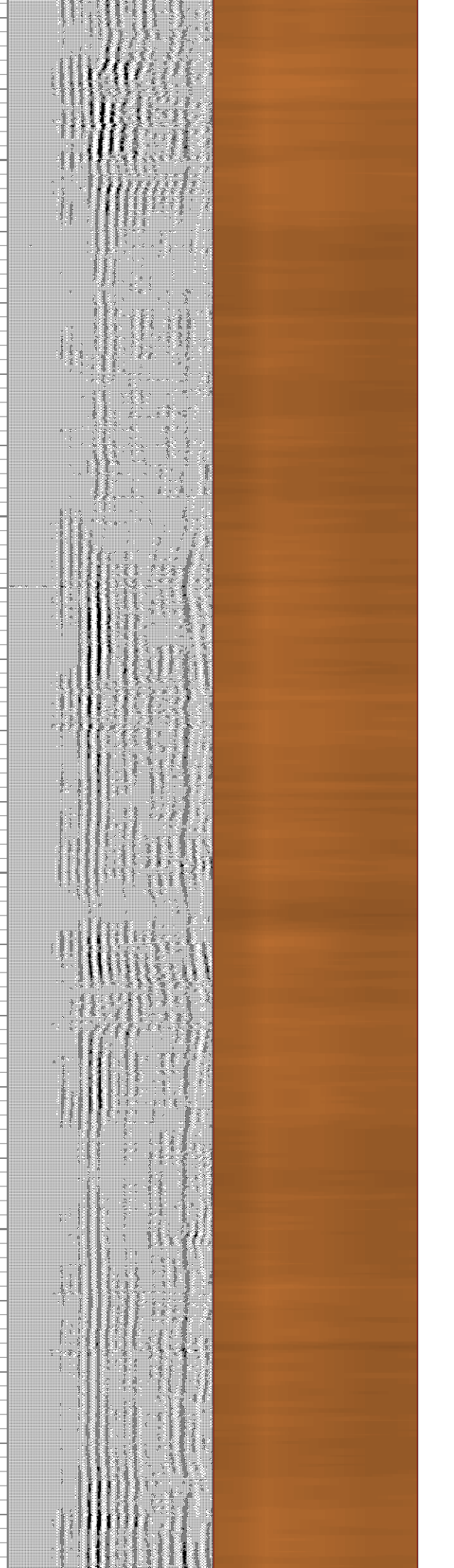
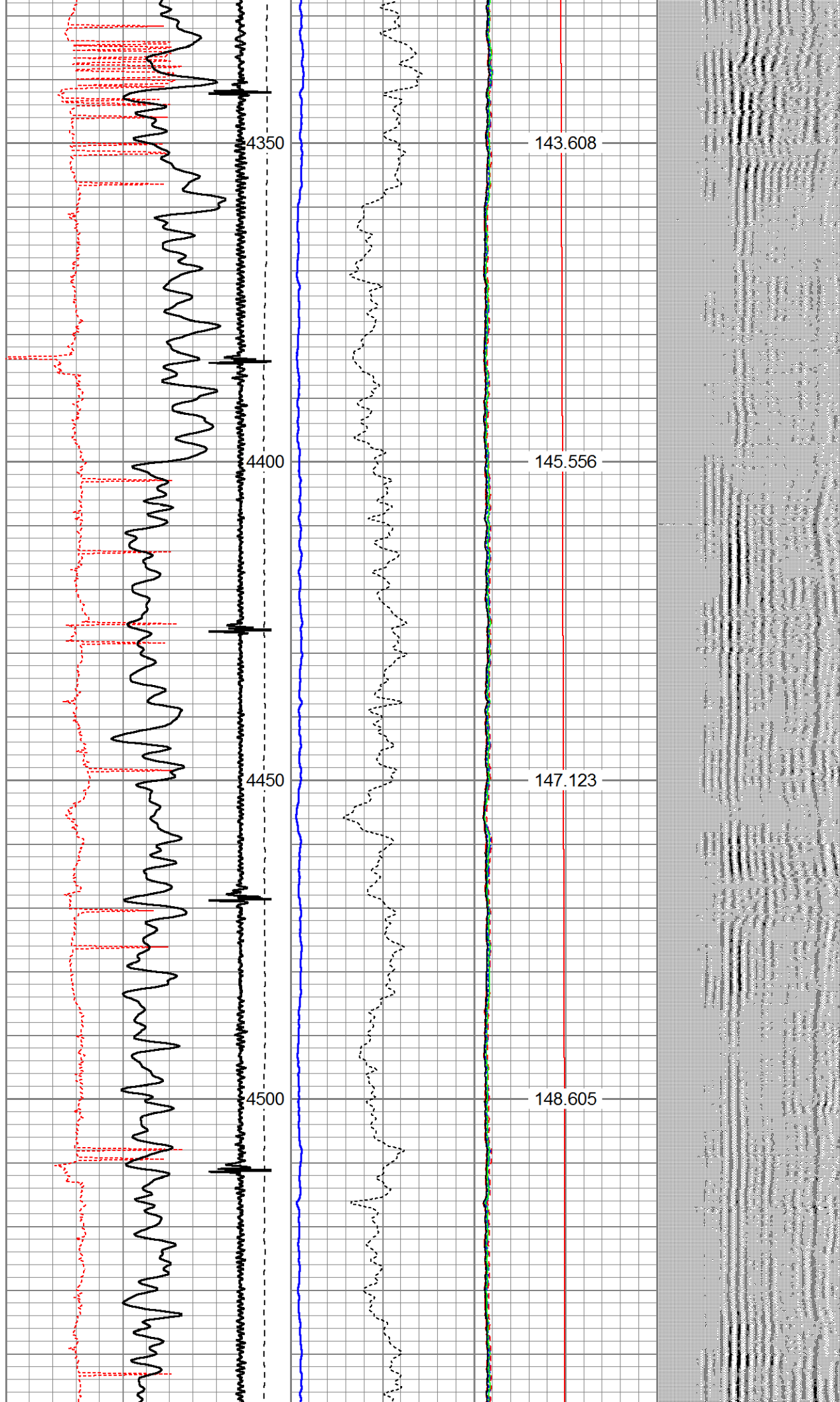


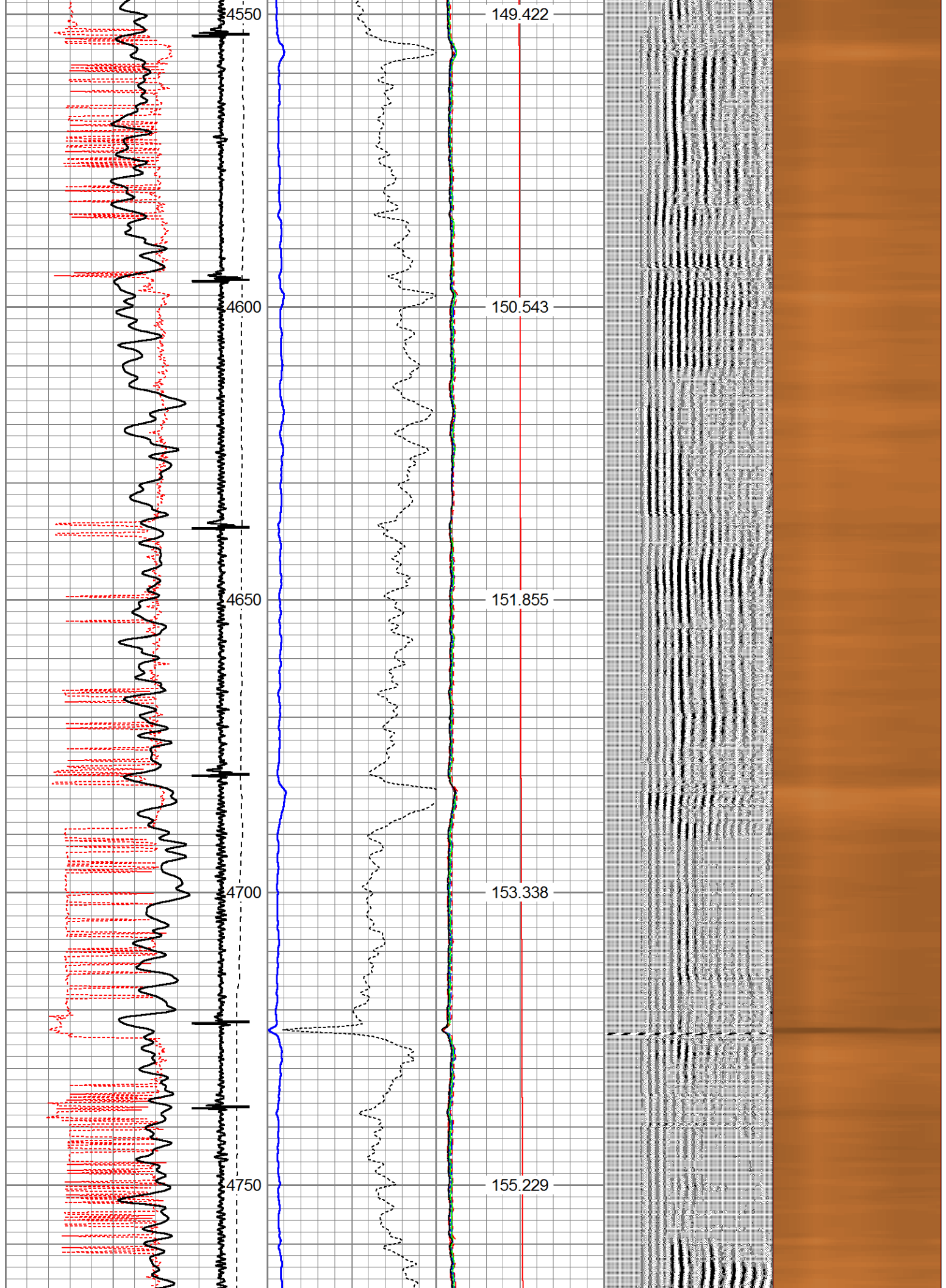


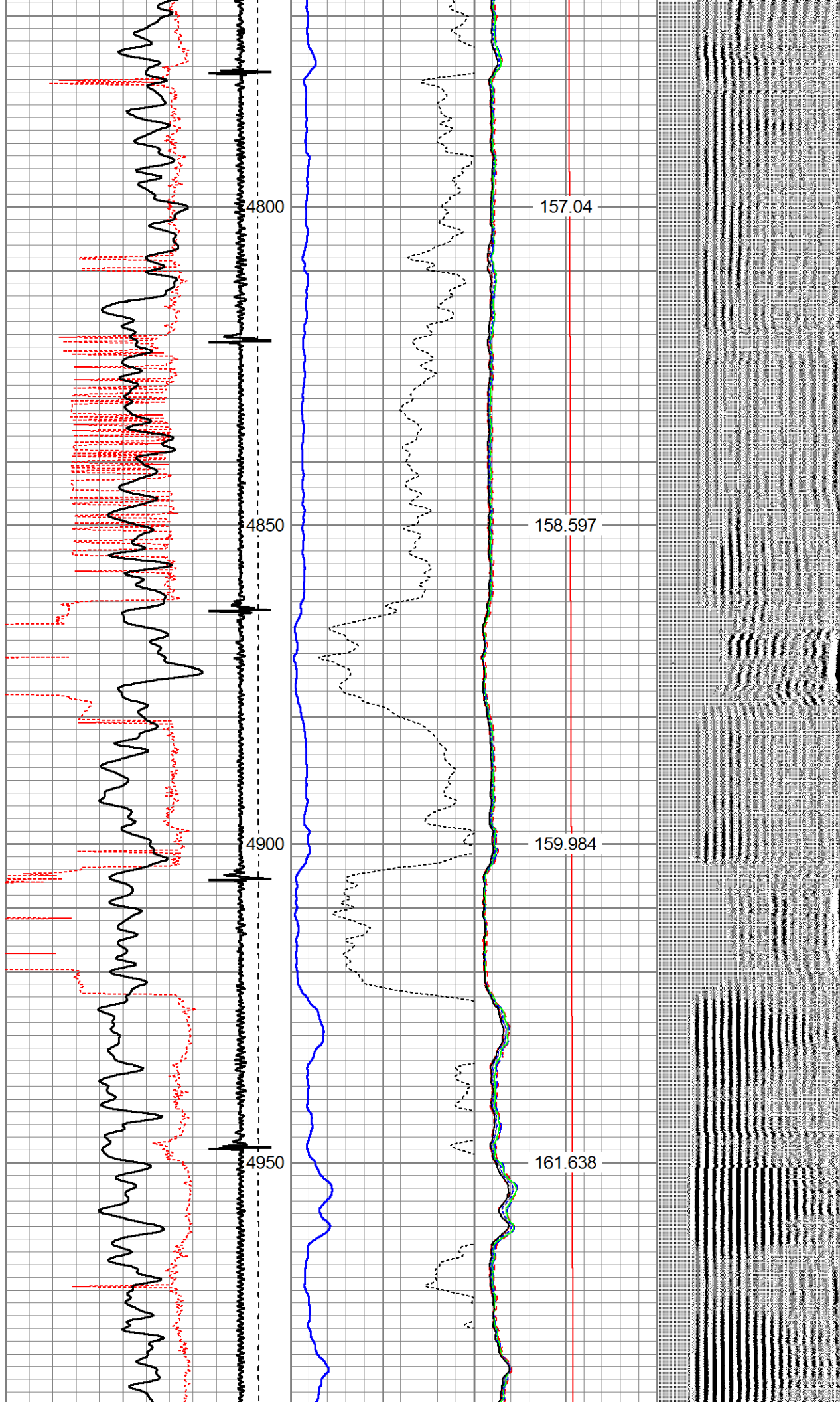


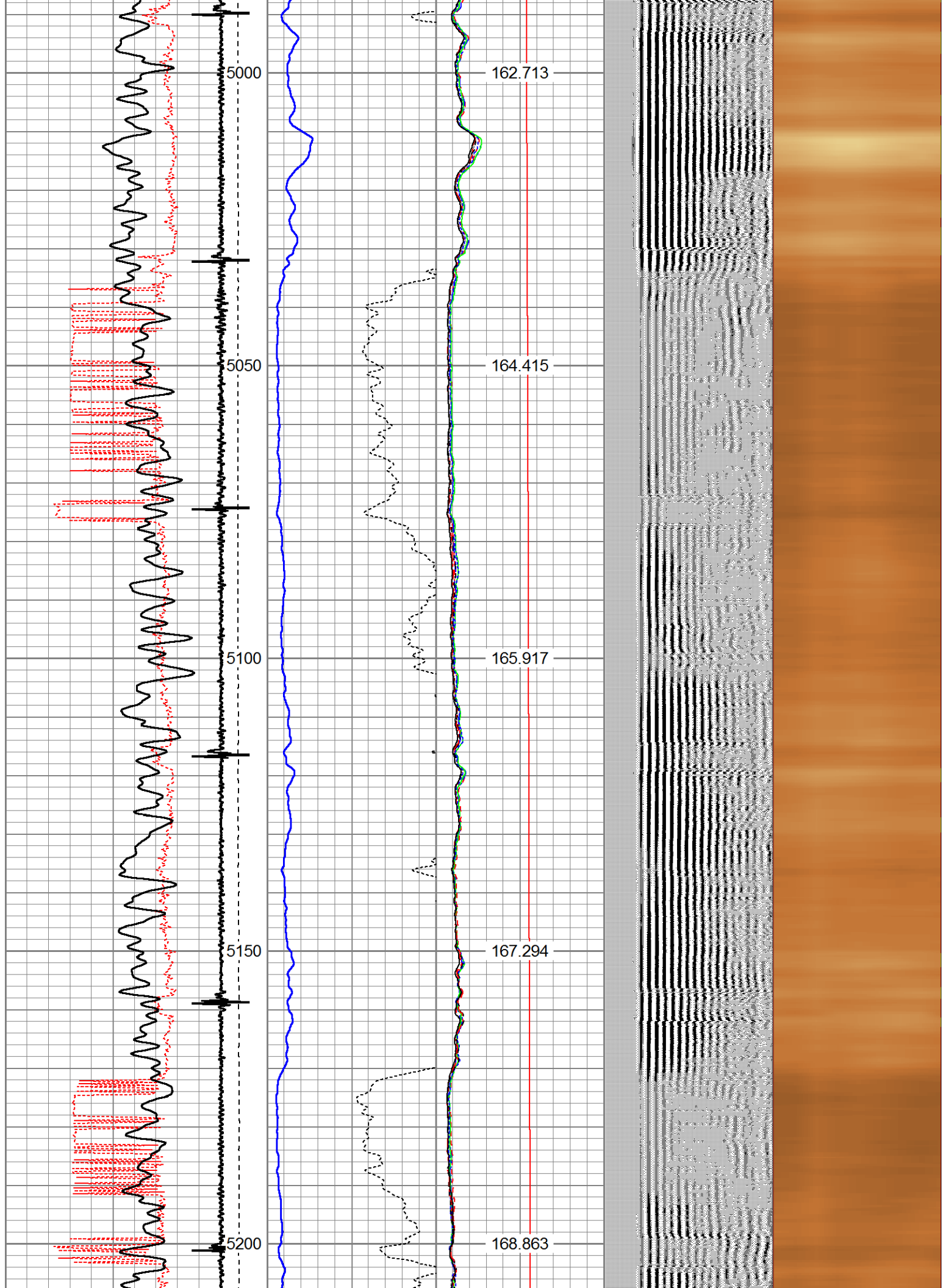


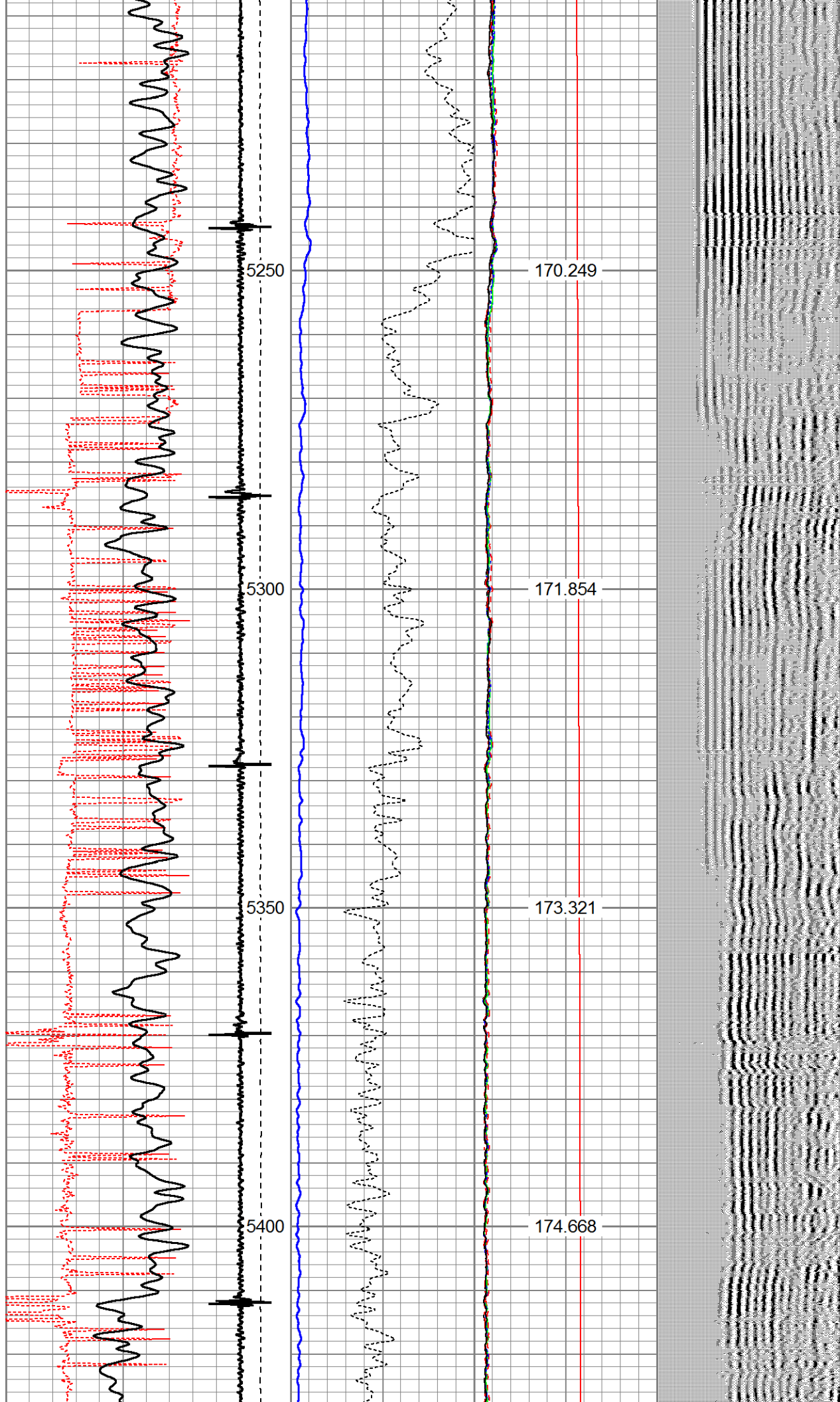


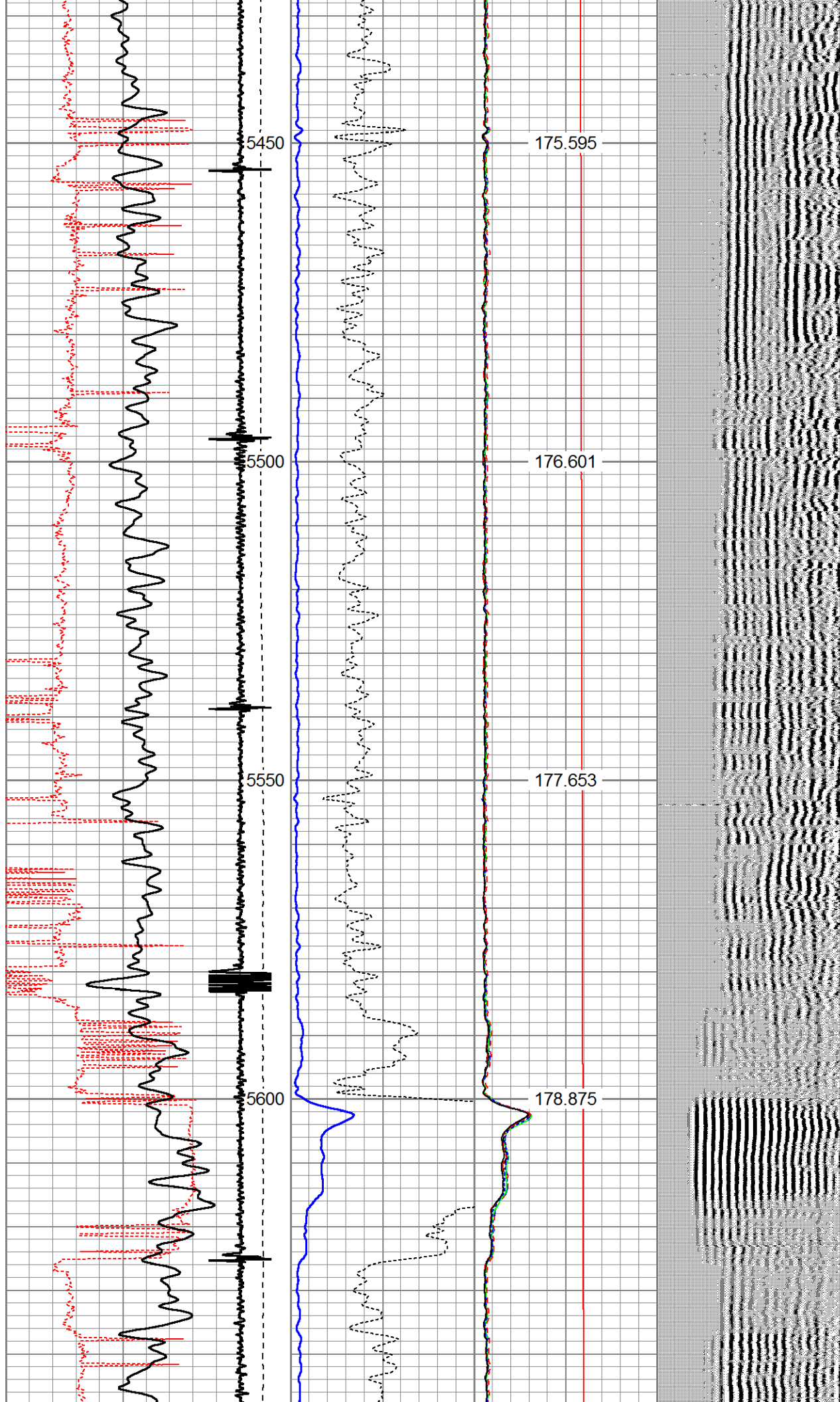


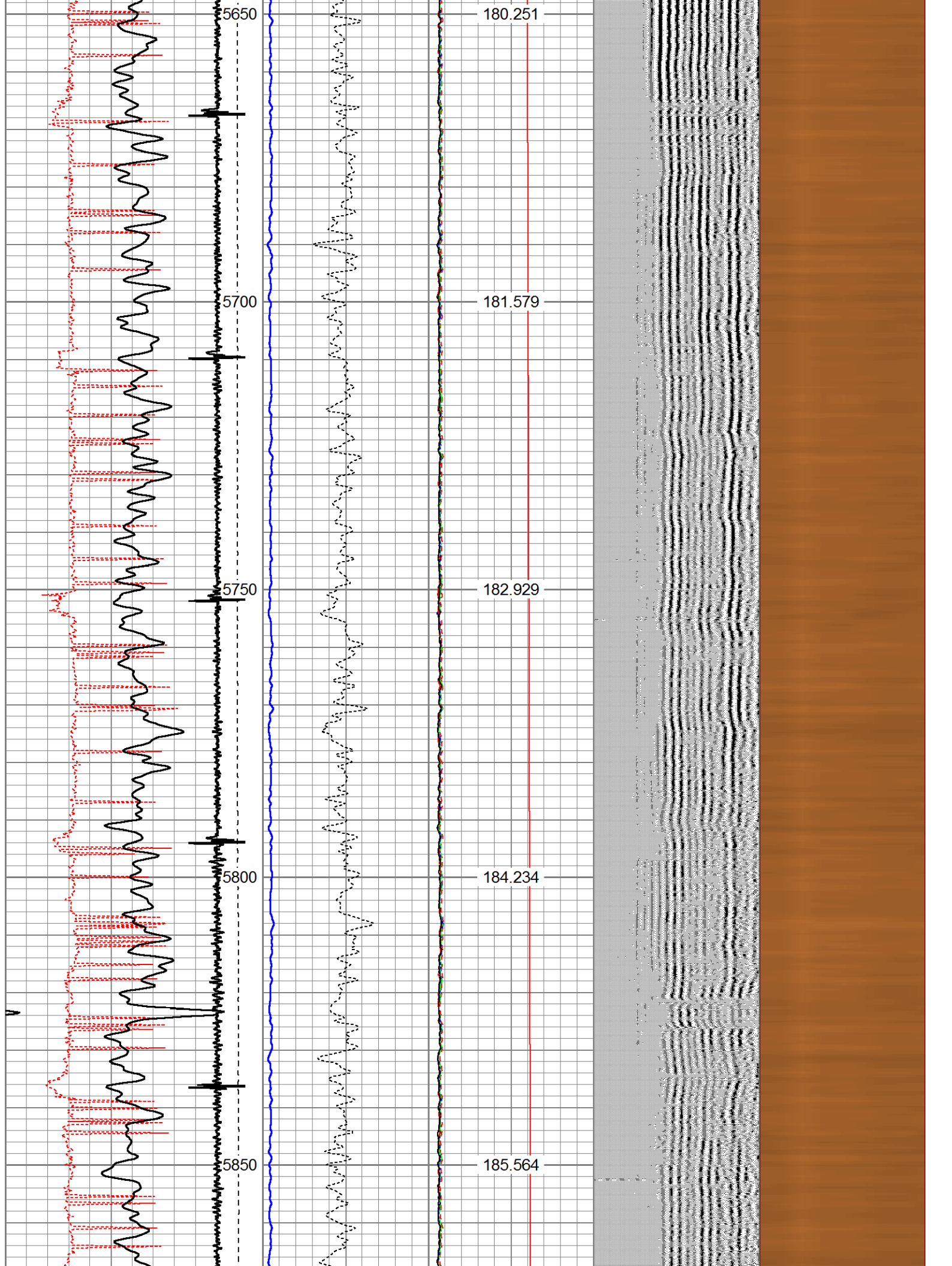


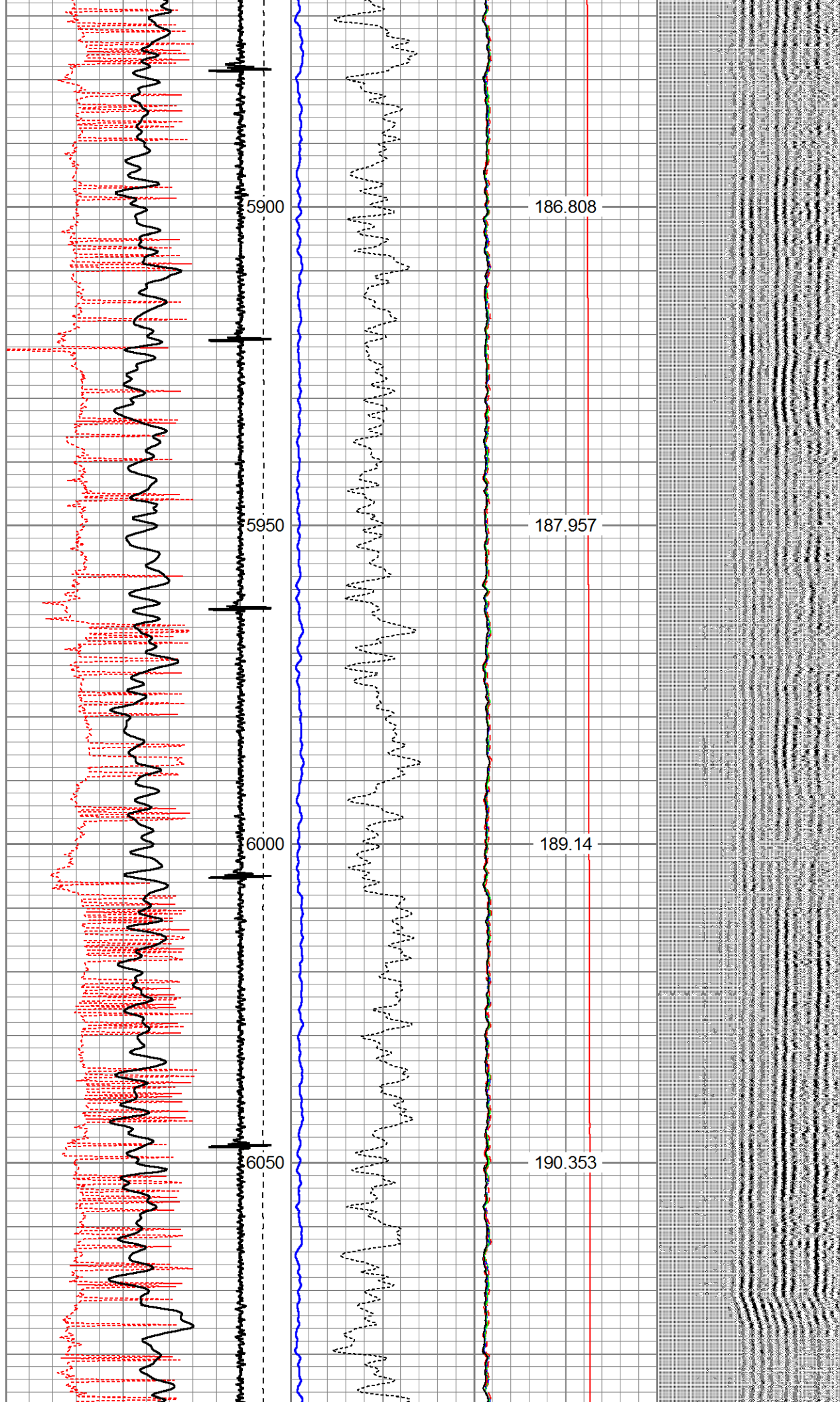


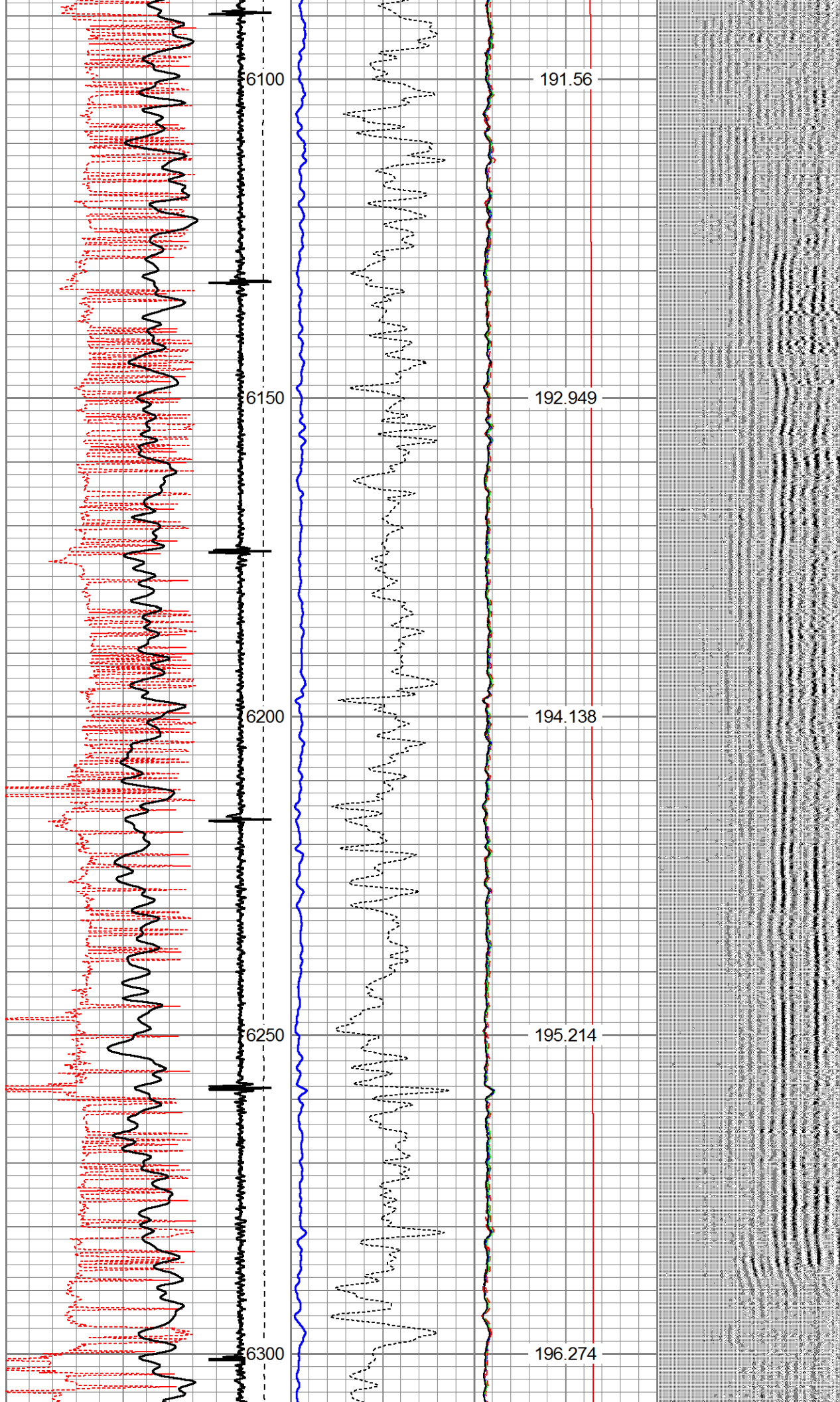


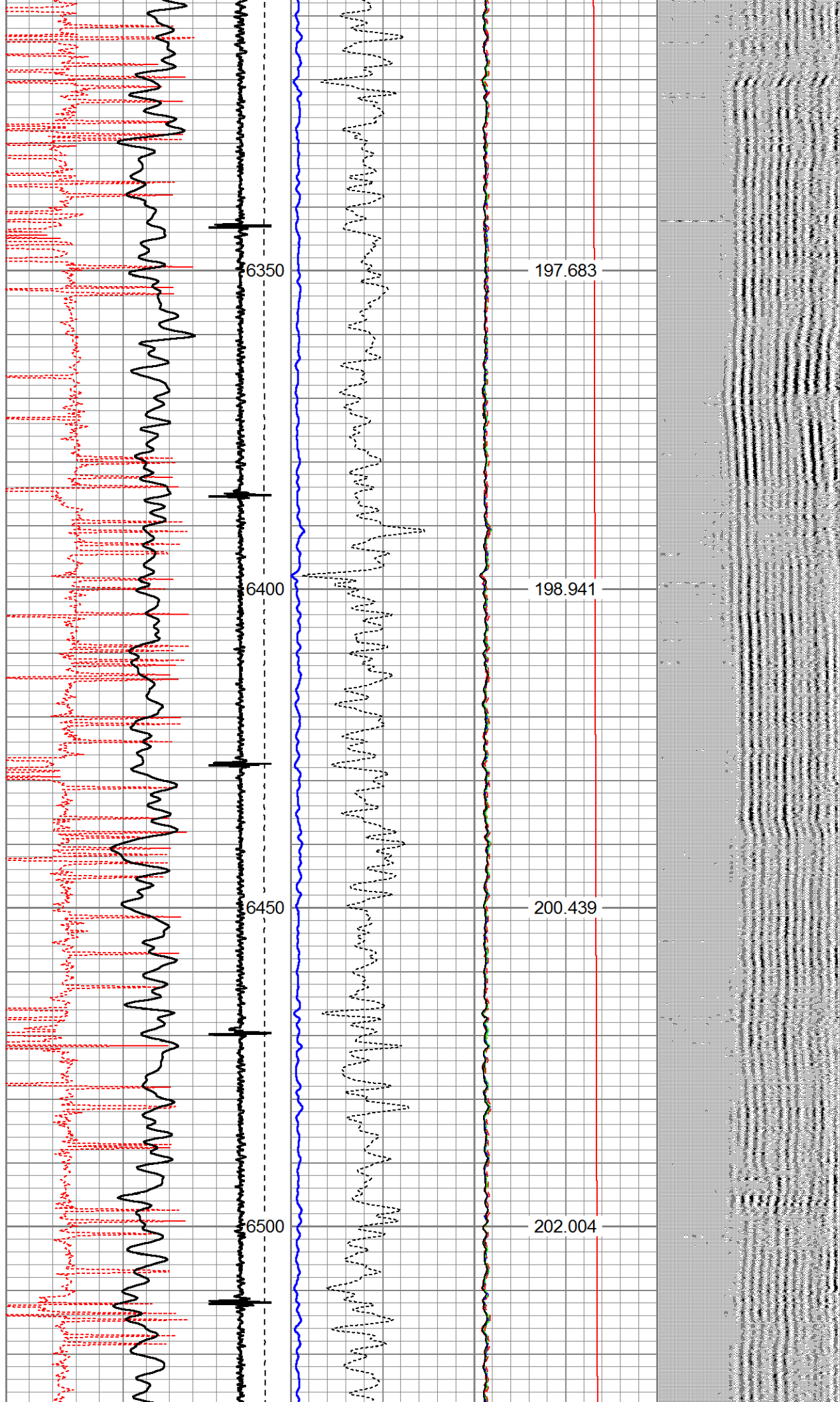


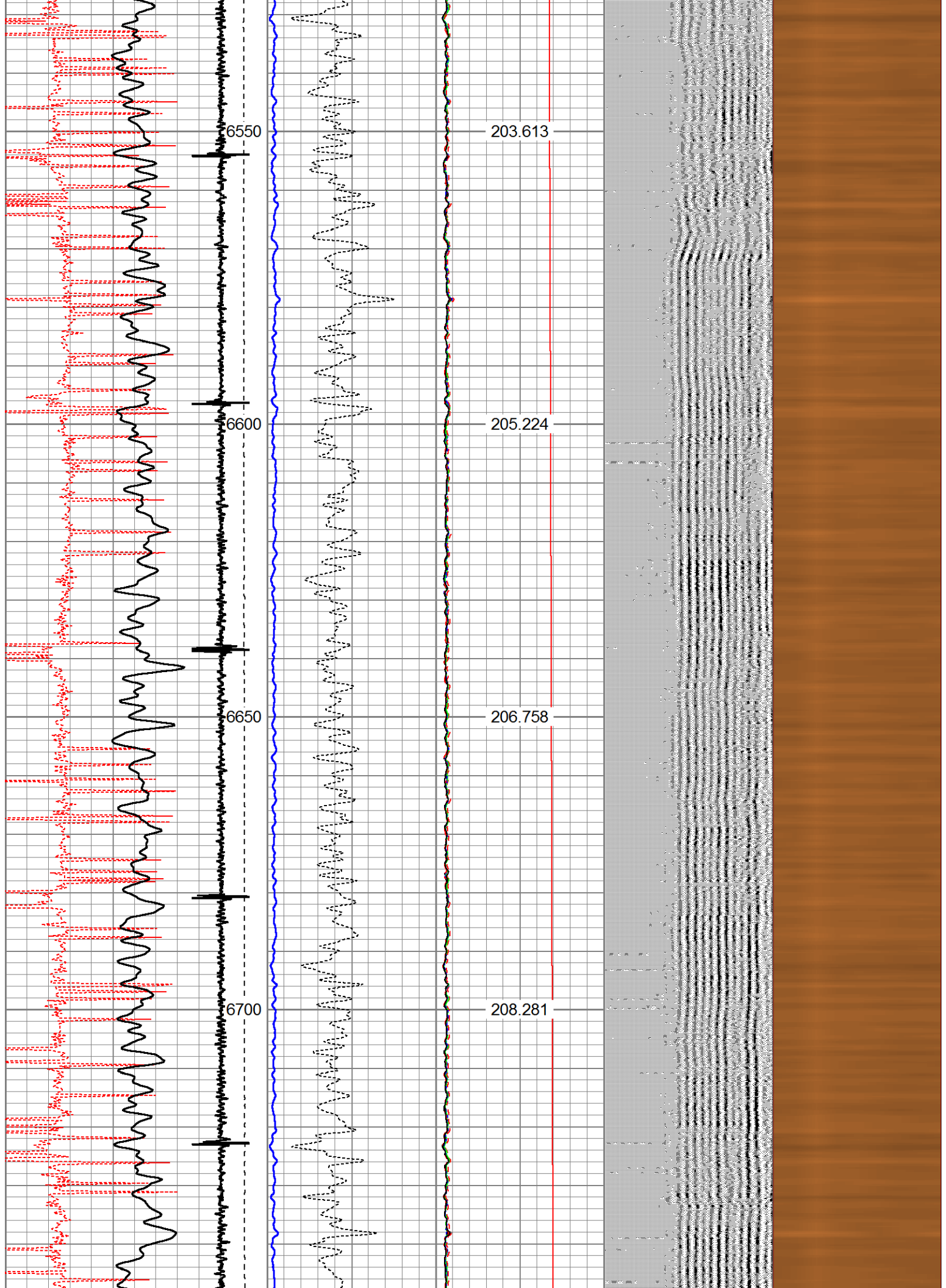


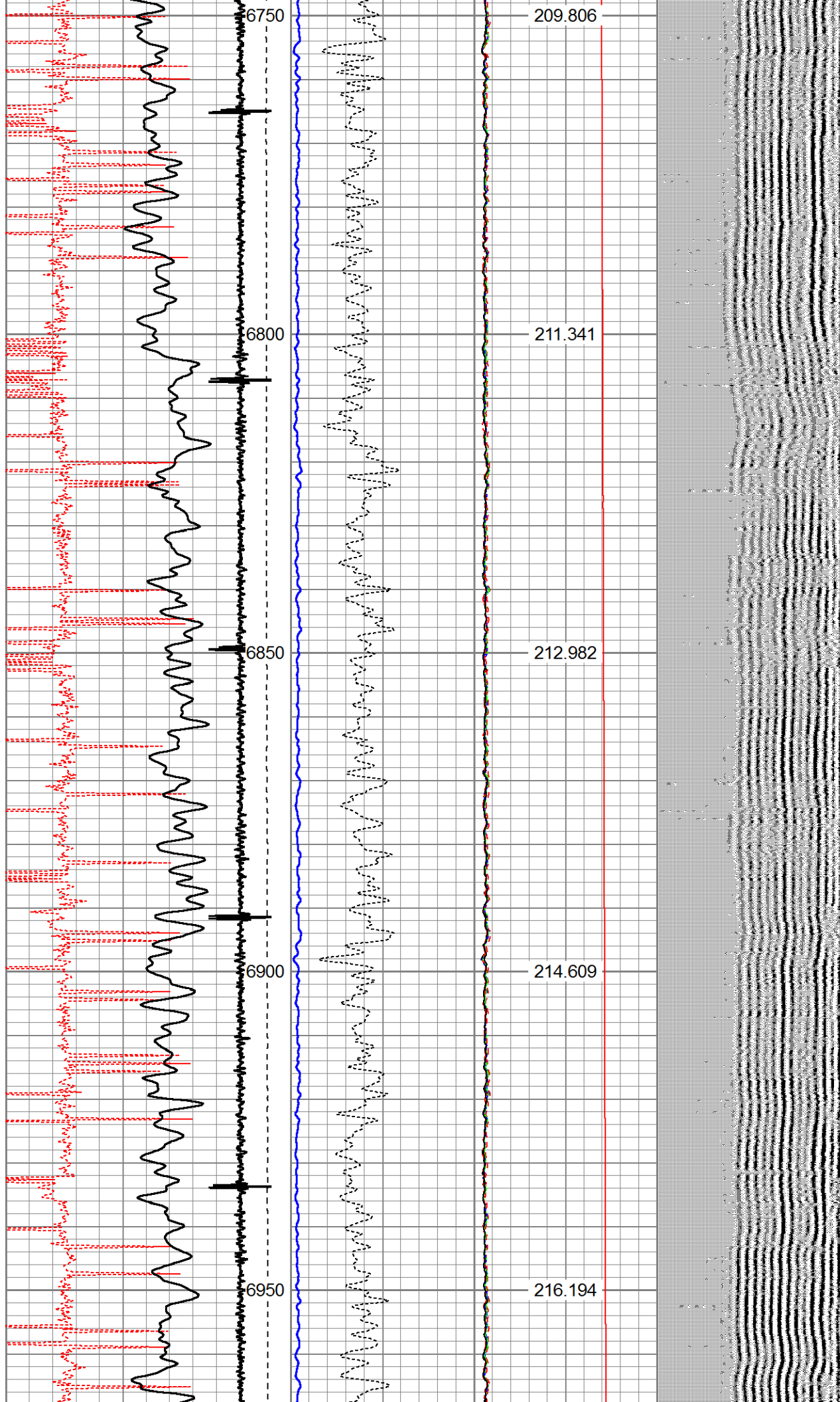


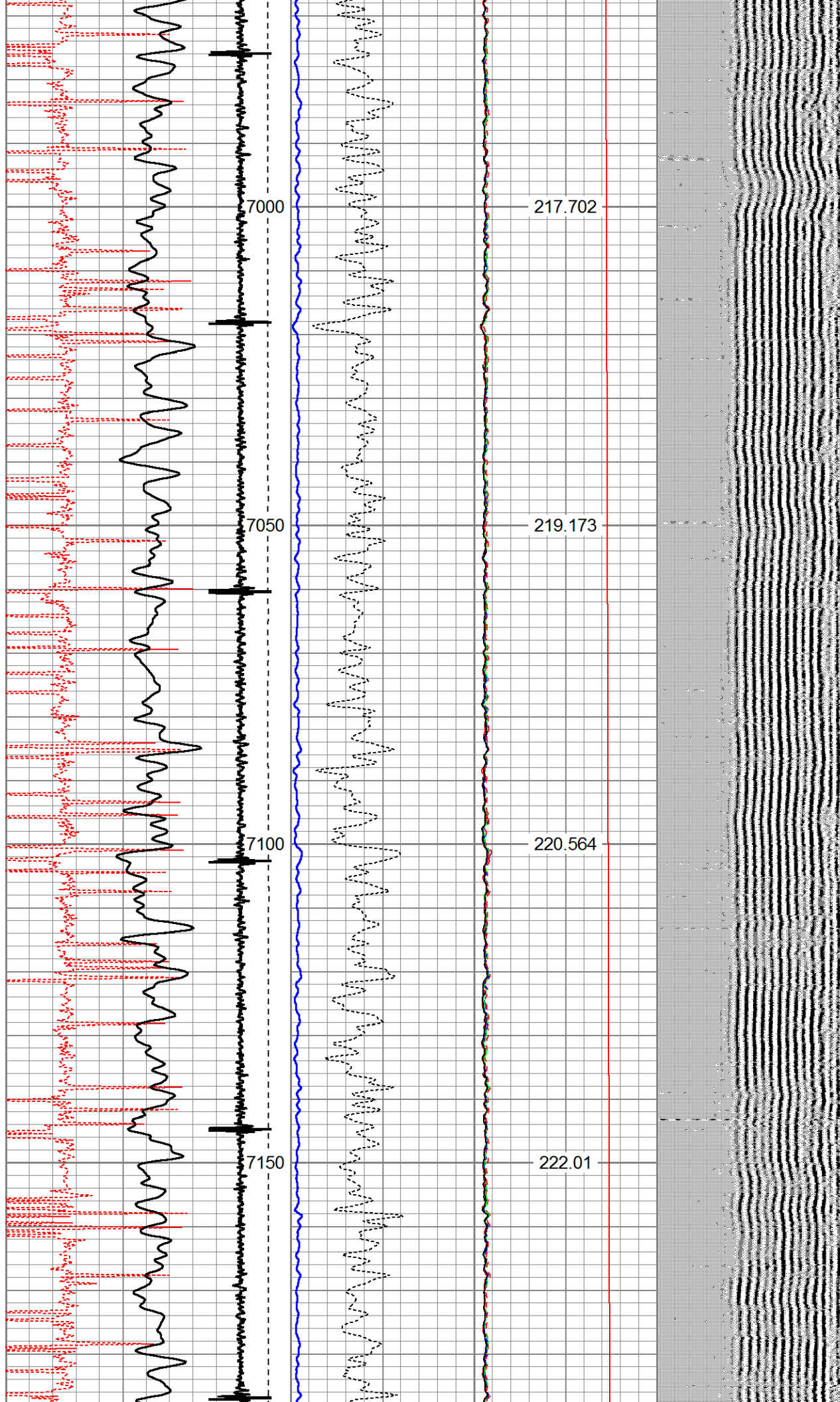


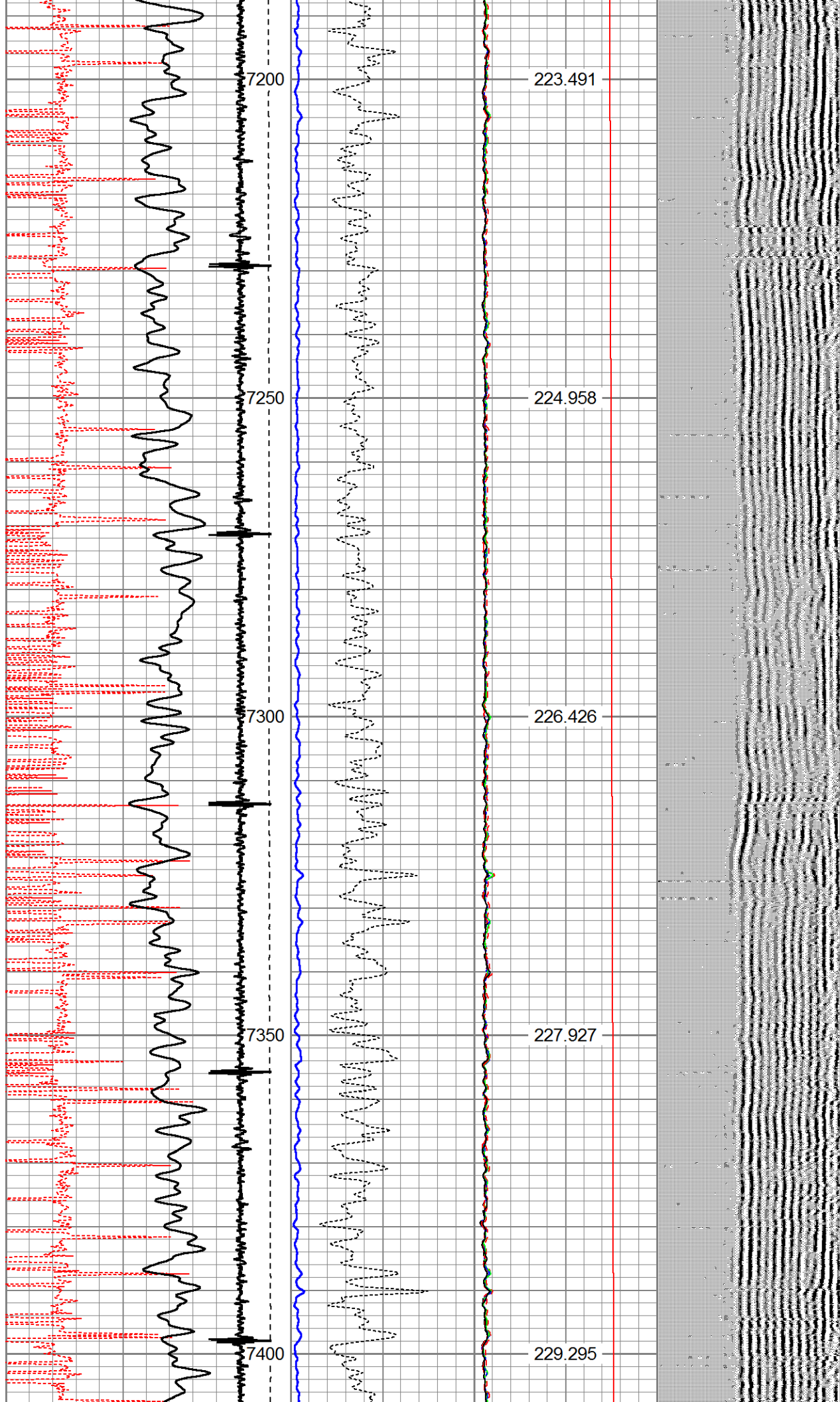


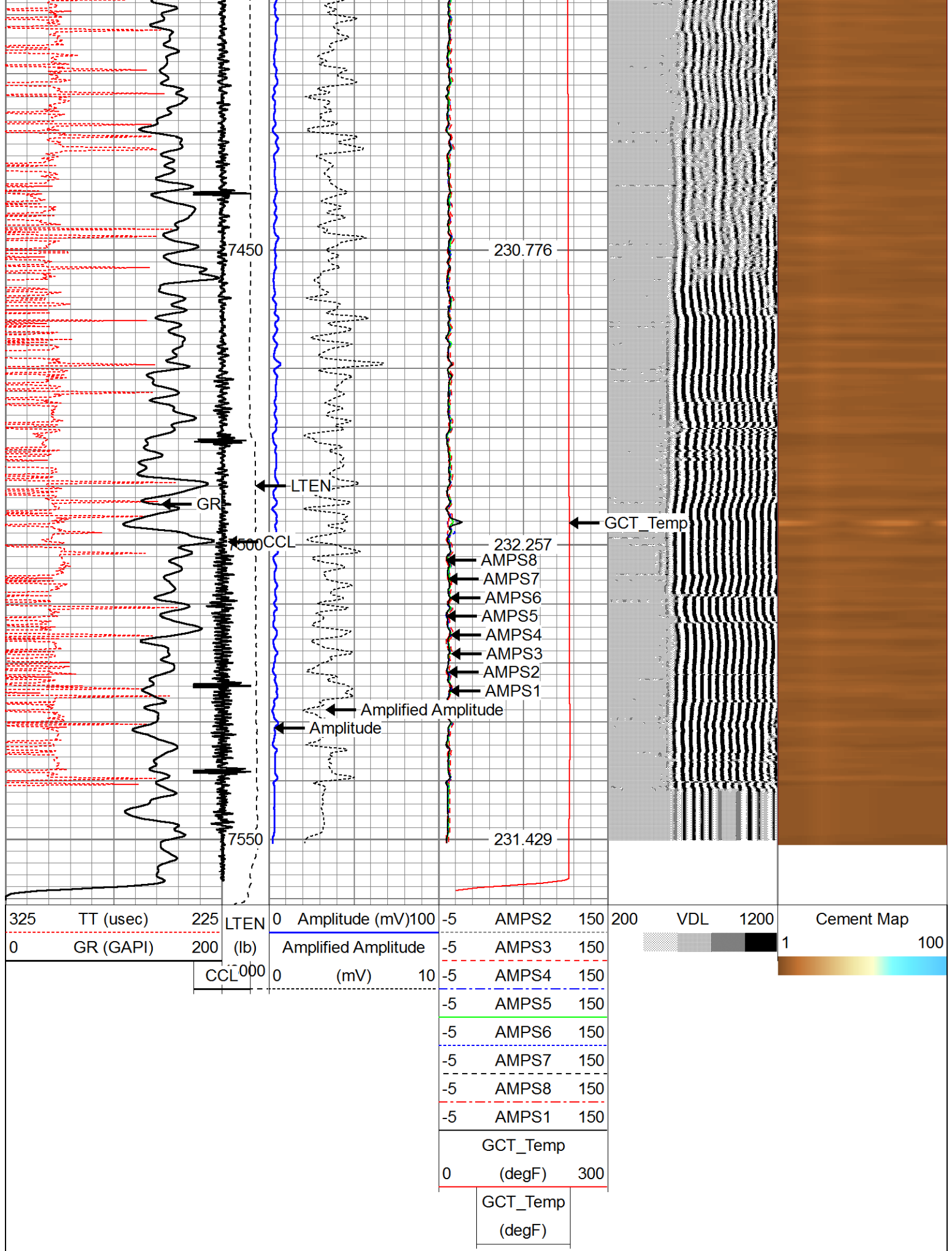












325	TT (usec)	225
0	GR (GAPI)	200

CCL 000

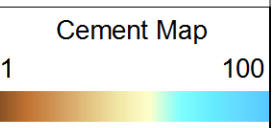
0	Amplitude (mV)	100
0	Amplified Amplitude	10

-5	AMPS2	150
-5	AMPS3	150
-5	AMPS4	150
-5	AMPS5	150
-5	AMPS6	150
-5	AMPS7	150
-5	AMPS8	150
-5	AMPS1	150

GCT_Temp		
0	(degF)	300

GCT_Temp
(degF)

200	VDL	1200
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Company	ANADARKO
Well	SWEETGRASS 11-14
Field	WATTENBERG
County	WELD
State	COLORADO