



**RADIAL BOND LOG
GAMMA RAY
CCL
TEMPERATURE**

Company KERR MCGEE OIL AND CAS
Well PLUSS L #11-05JI
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-21206-0000
SW NW 2015 FNL & 650 FWL
LAT/LONG: 40.24120/-104.75150
SEC 11 TWP 3N RGE 66W
Permanent Datum GROUND LEVEL Elevation 4890 FT
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING 10 FT
Other Services NONE
Elevation K.B. 4900 FT
D.F. 4899 FT
G.L. 4890 FT

Date 18 - FEB - 2016

Run Number	ONE		
Depth Driller	7970 FT		
Depth Logger	6800 FT		
Bottom Logged Interval	6800 FT		
Top Log Interval	SURFACE		
Open Hole Size	7.875 IN		
Type Fluid	WATER		
Density / Viscosity	~8.3#		
Max. Recorded Temp.	249 F		
Estimated Cement Top			
Time Well Ready	ROA		
Time Logger on Bottom	07:15		
Equipment Number	W-062		
Location	WINDSOR		
Recorded By	B. NORRIS		
Witnessed By	MR. RIGO CINTORA		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To

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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

FREE PIPE AMPLITUDE 82 mV
FREE PIPE CALIBRATION AT 2000 FT
THANK YOU FOR USING CUTTERS WIRELINE

Calibration Report

Database File: anadarko_pluss I 11-05ji_rcbl_021816.db
Dataset Pathname: pass3
Dataset Creation: Thu Feb 18 07:38:09 2016 by Log SCH 110630

Temperature Calibration Report

Serial Number: 060110
 Tool Model: 1.375TEMP
 Performed: Sun Jun 03 16:49:35 2012

	Reference	Reading
Low Reference:	1.00 degF	10.00 cps
High Reference:	100.00 degF	1000.00 cps
Gain:	0.10	
Offset:	0.00	
Delta Spacing	1	

Gamma Ray Calibration Report

Serial Number: 060109
 Tool Model: Probe
 Performed: Mon Jan 26 09:19:58 2009

Calibrator Value: 185.2 GAPI

Background Reading: 4.8 cps
 Calibrator Reading: 200.0 cps

Sensitivity: 0.9487 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 060113_45
 Tool Model: Probe

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 2049.921 ft

Master Calibration, performed Thu Feb 18 07:11:25 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.588	0.000	82.000	139.433	0.000
CAL	0.000	0.540				
5'	0.000	0.461	0.000	82.000	178.059	0.000
SUM						
S1	0.000	0.681	0.000	100.000	146.768	0.000
S2	0.000	0.634	0.000	100.000	157.678	0.000
S3	0.000	0.576	0.000	100.000	173.486	0.000
S4	0.000	0.573	0.000	100.000	174.562	0.000
S5	0.000	0.595	0.000	100.000	168.182	0.000
S6	0.000	0.613	0.000	100.000	163.002	0.000
S7	0.000	0.612	0.000	100.000	163.278	0.000
S8	0.000	0.572	0.000	100.000	174.725	0.000

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.540	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	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

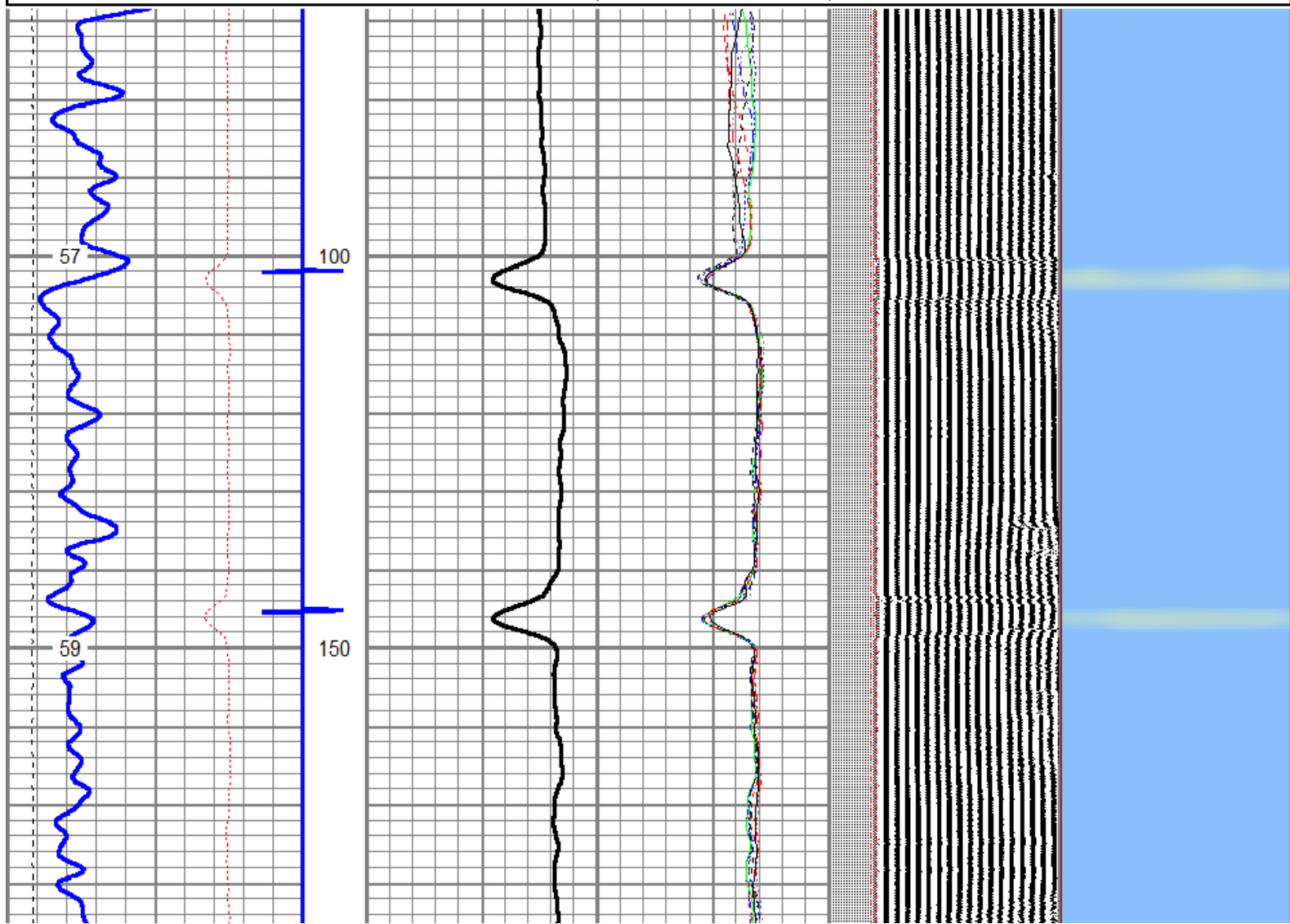
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

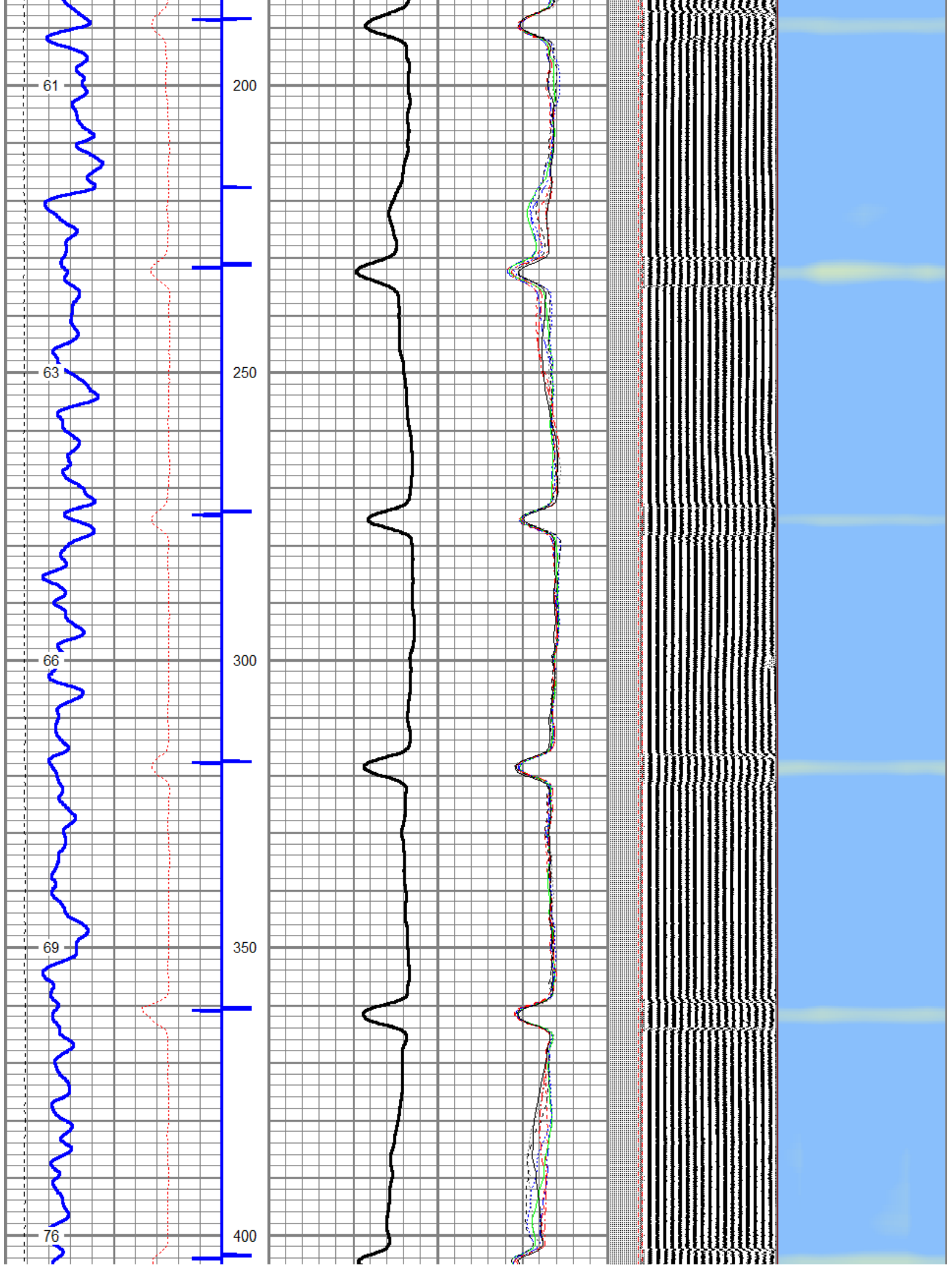


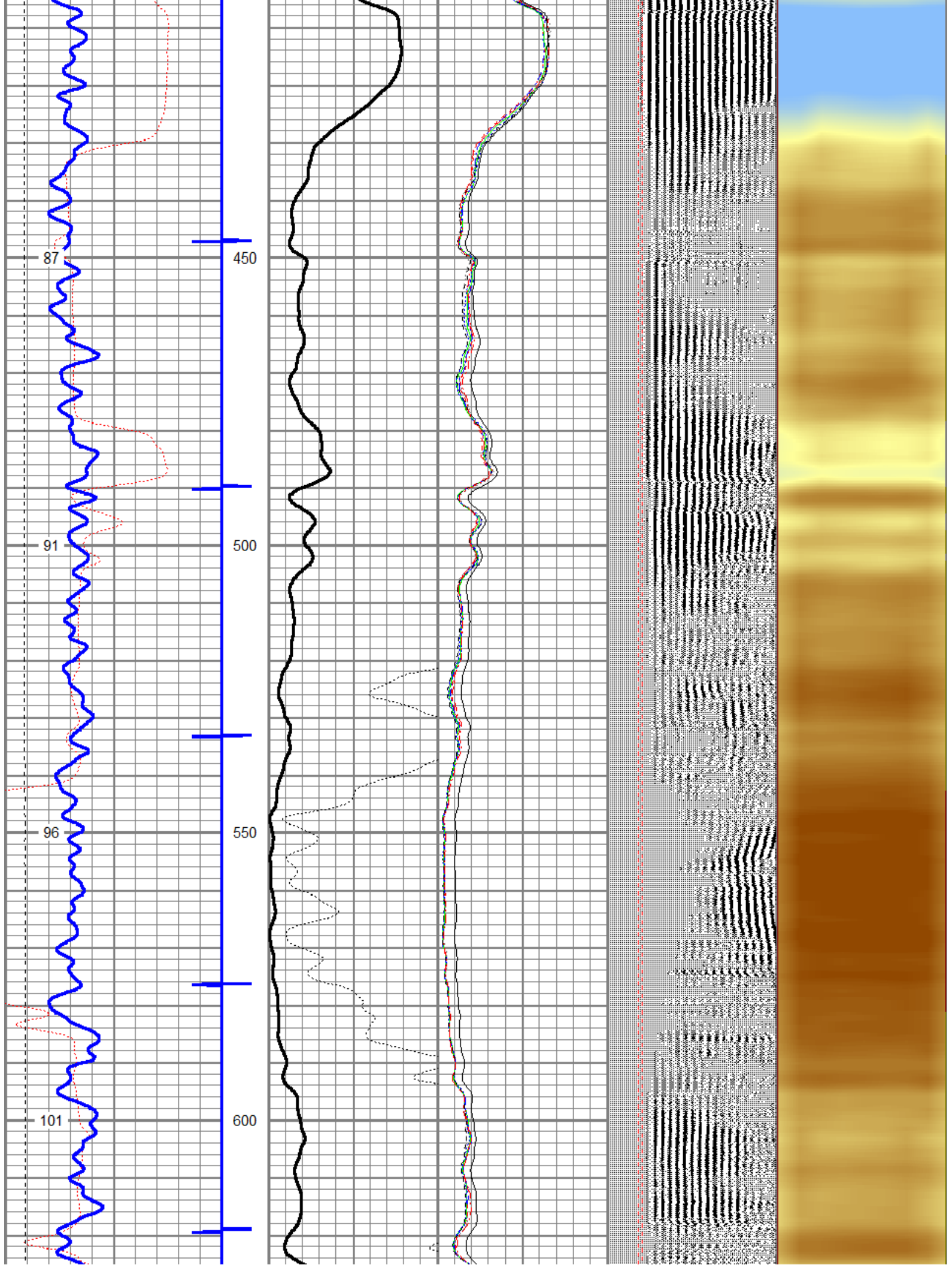
MAIN PASS 0 PSI

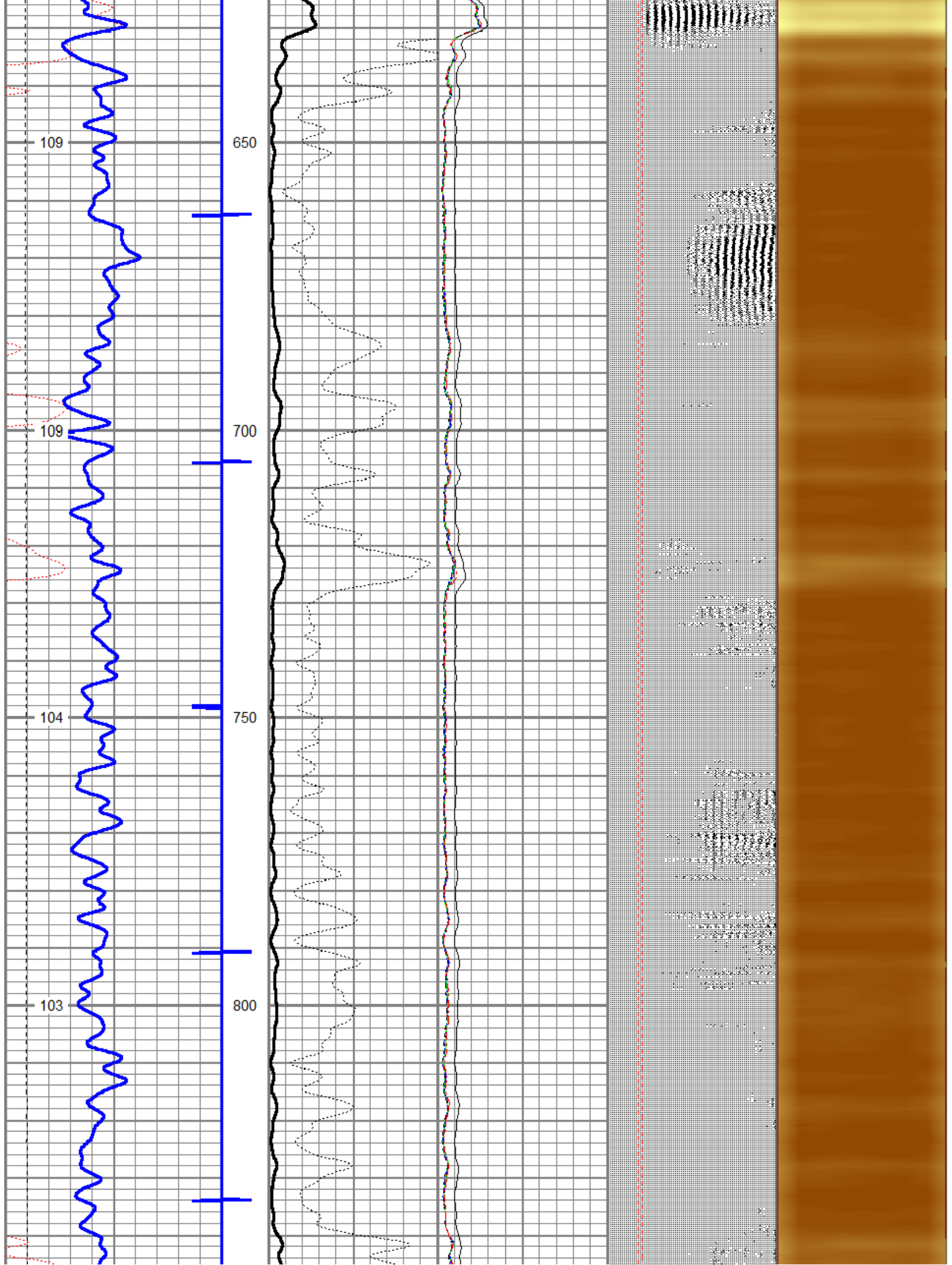
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Dataset Pathname: pass3
Presentation Format: rbl55
Dataset Creation: Thu Feb 18 07:38:09 2016 by Log SCH 110630
Charted by: Depth in Feet scaled 1:240

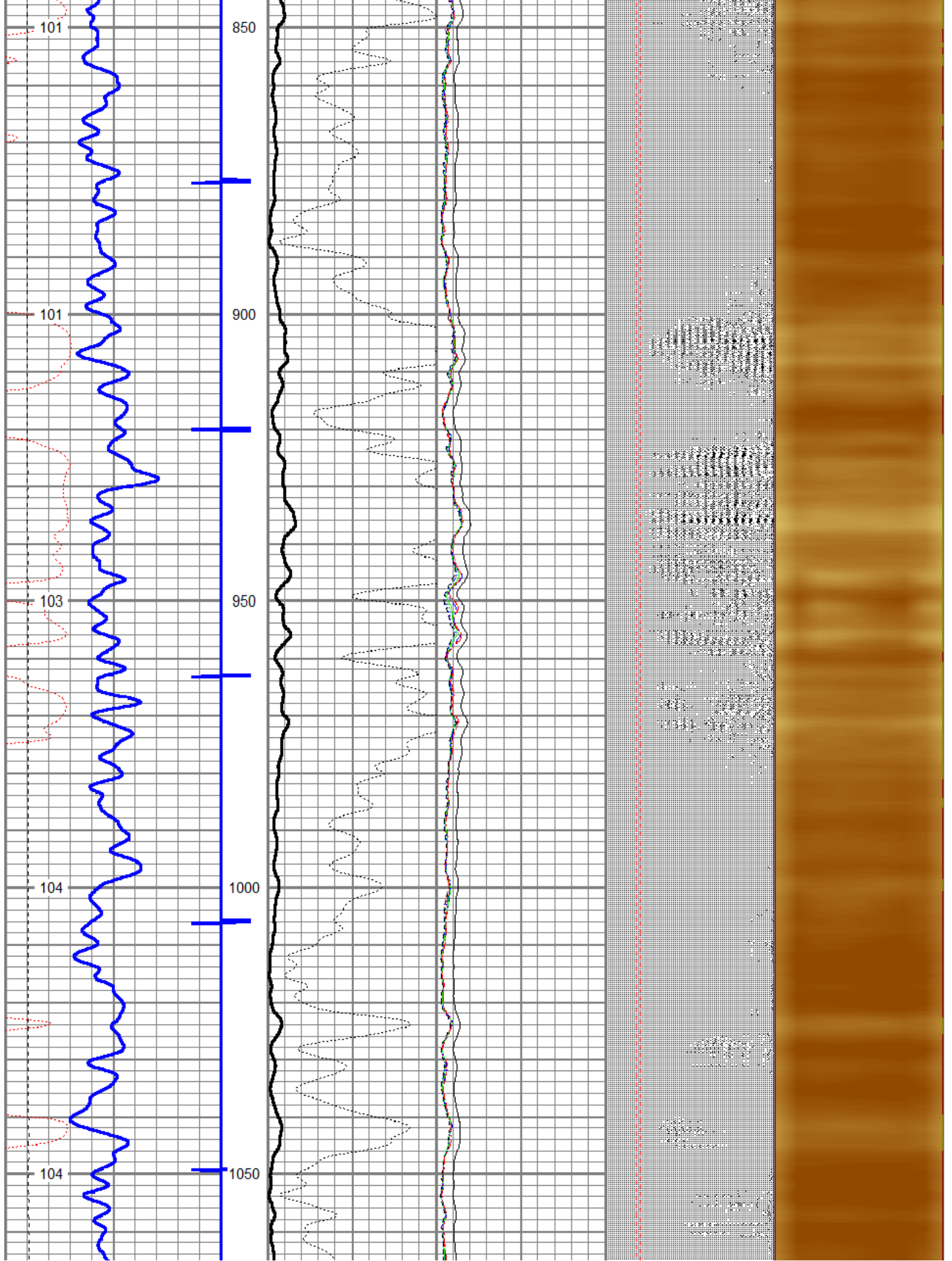
343	TT (usec)	243	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map	80
0	GR (GAPI)	200		Amplified Amplitude		-5	AMPS3	150					
0	LTEN (lb)	4000	0	(mV)	10	-5	AMPS4	150		Free Pipe Gate			
	TEMP (degF)					-5	AMPS5	150					
						-5	AMPS6	150					
						-5	AMPS7	150					
						-5	AMPS8	150					
						-5	AMPS1	150					

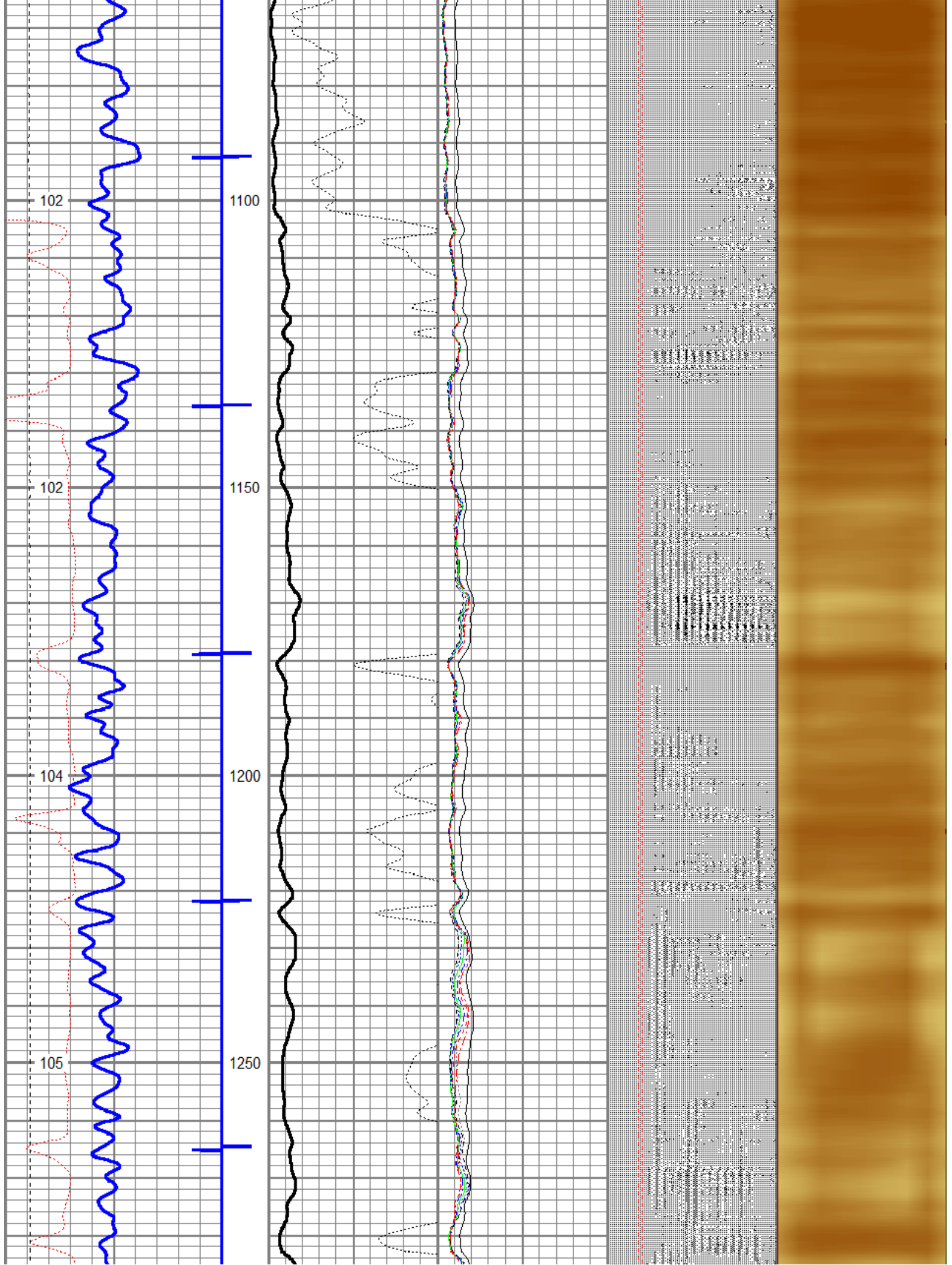


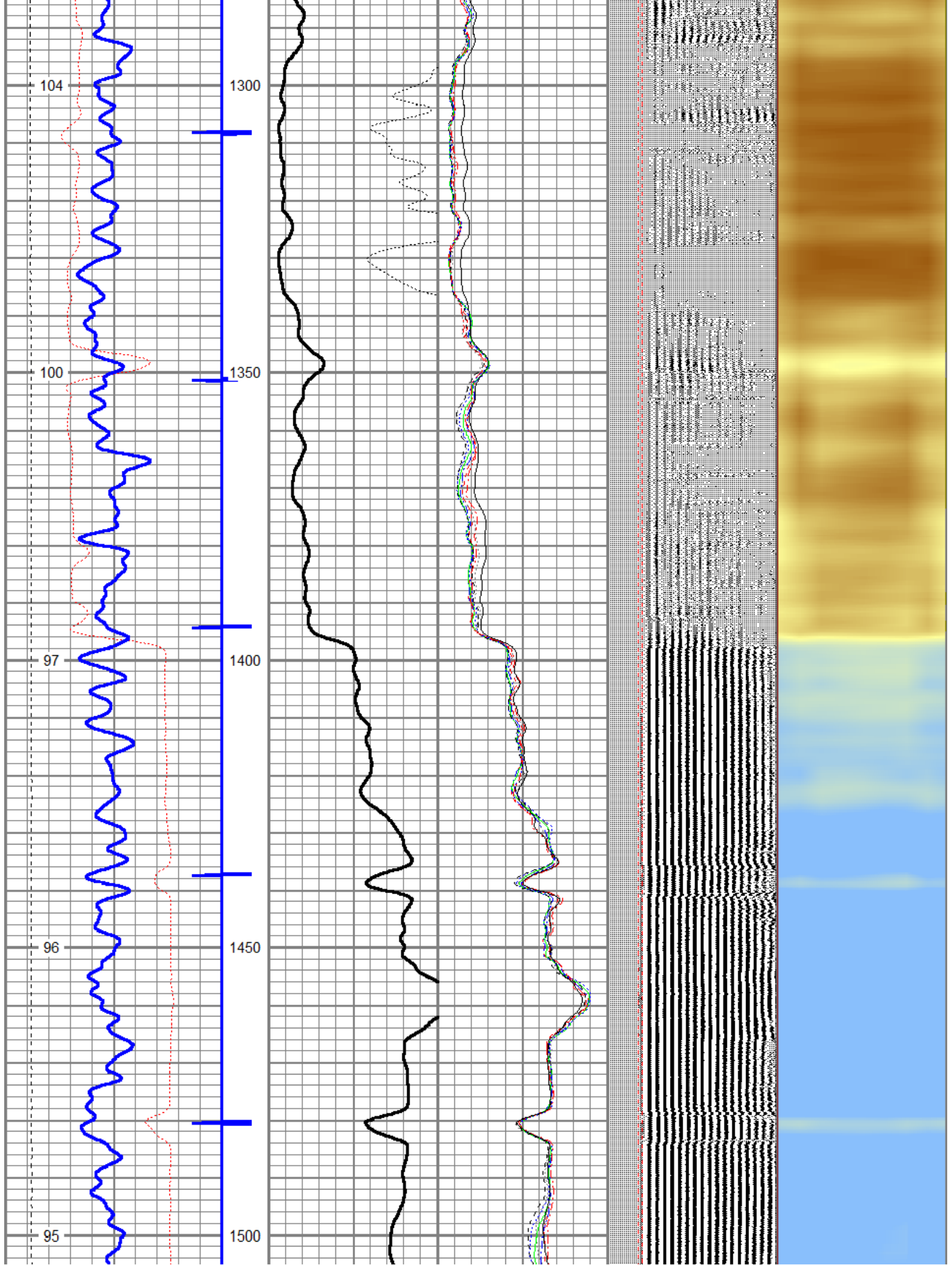


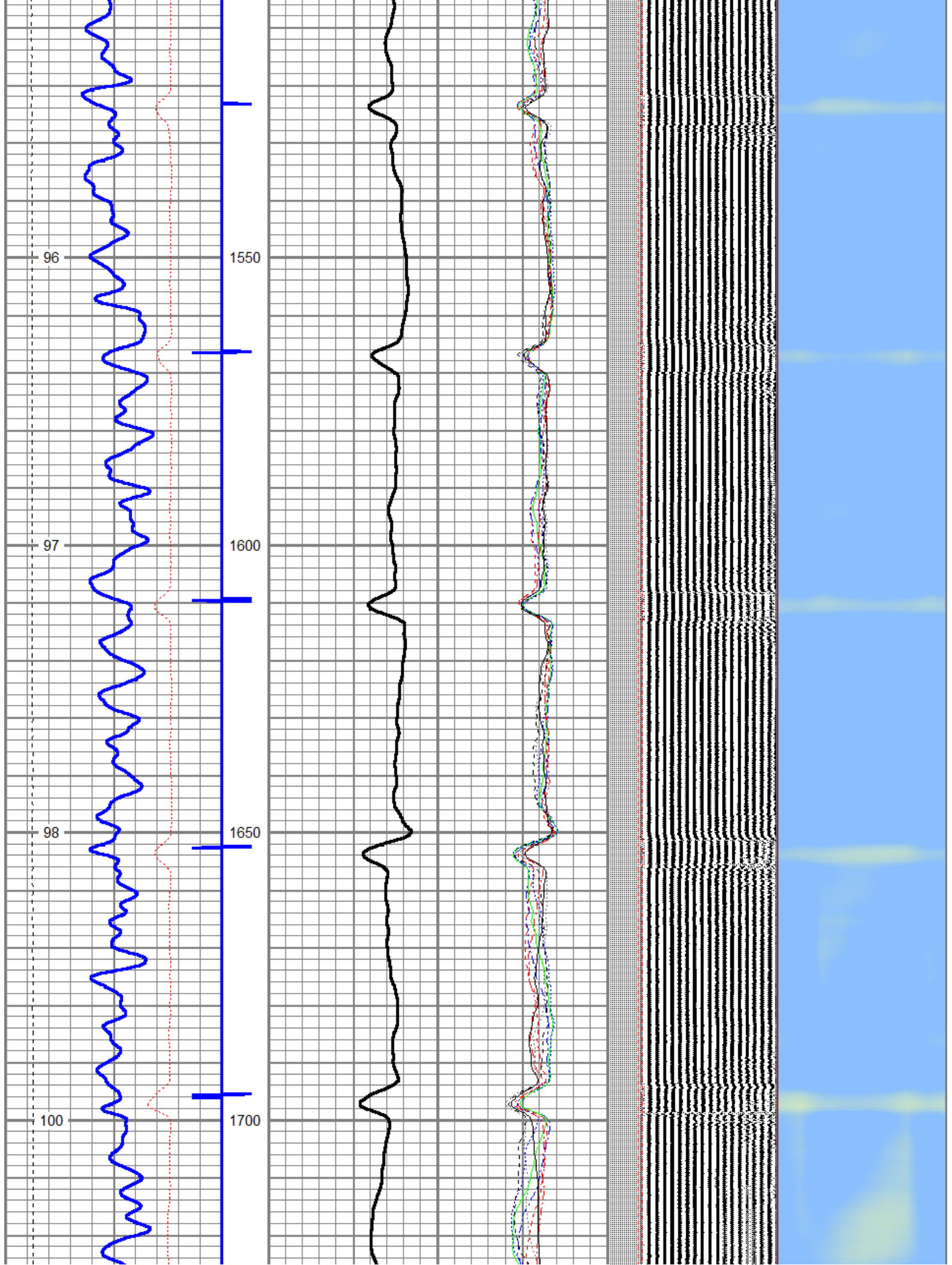


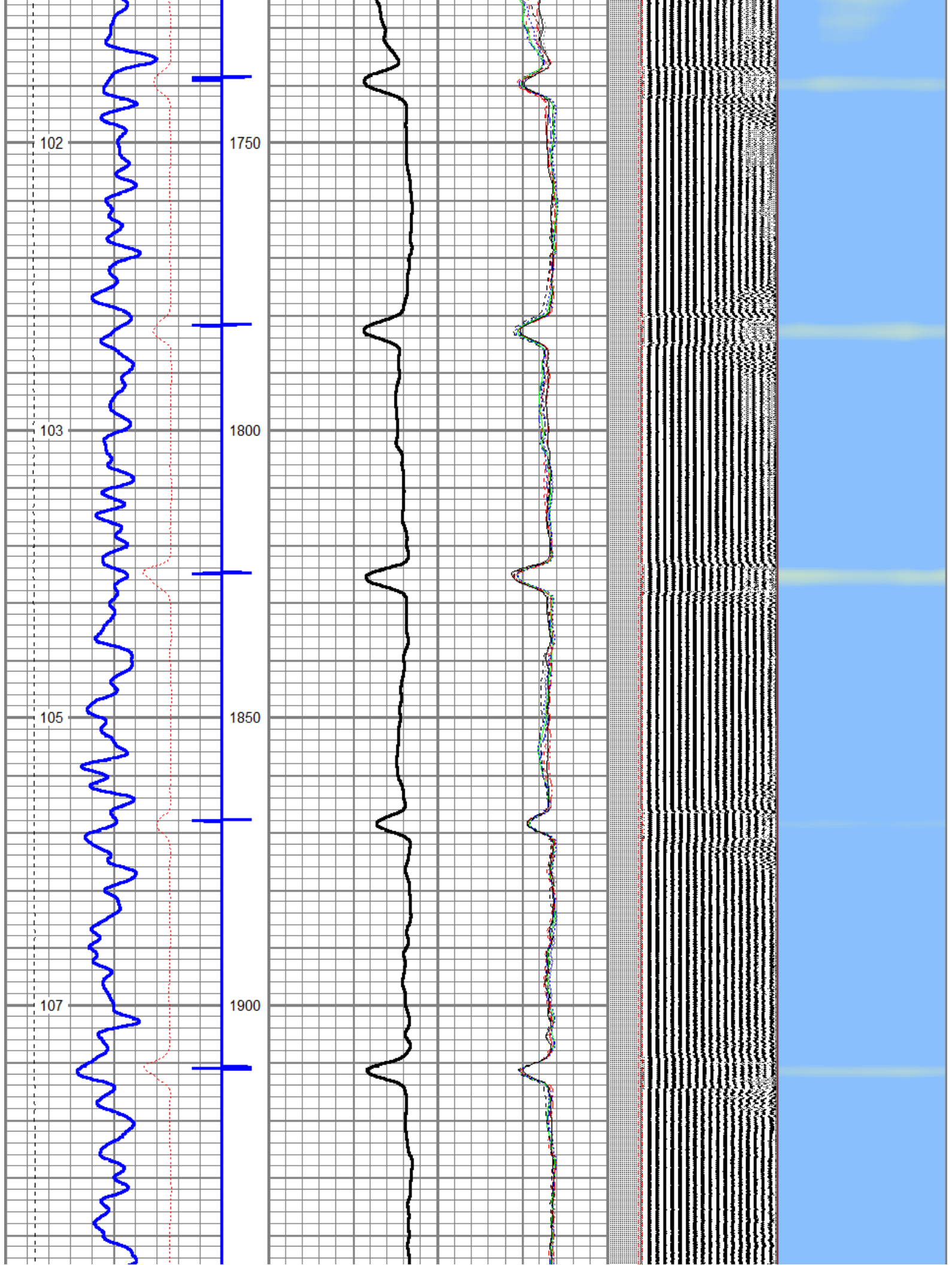


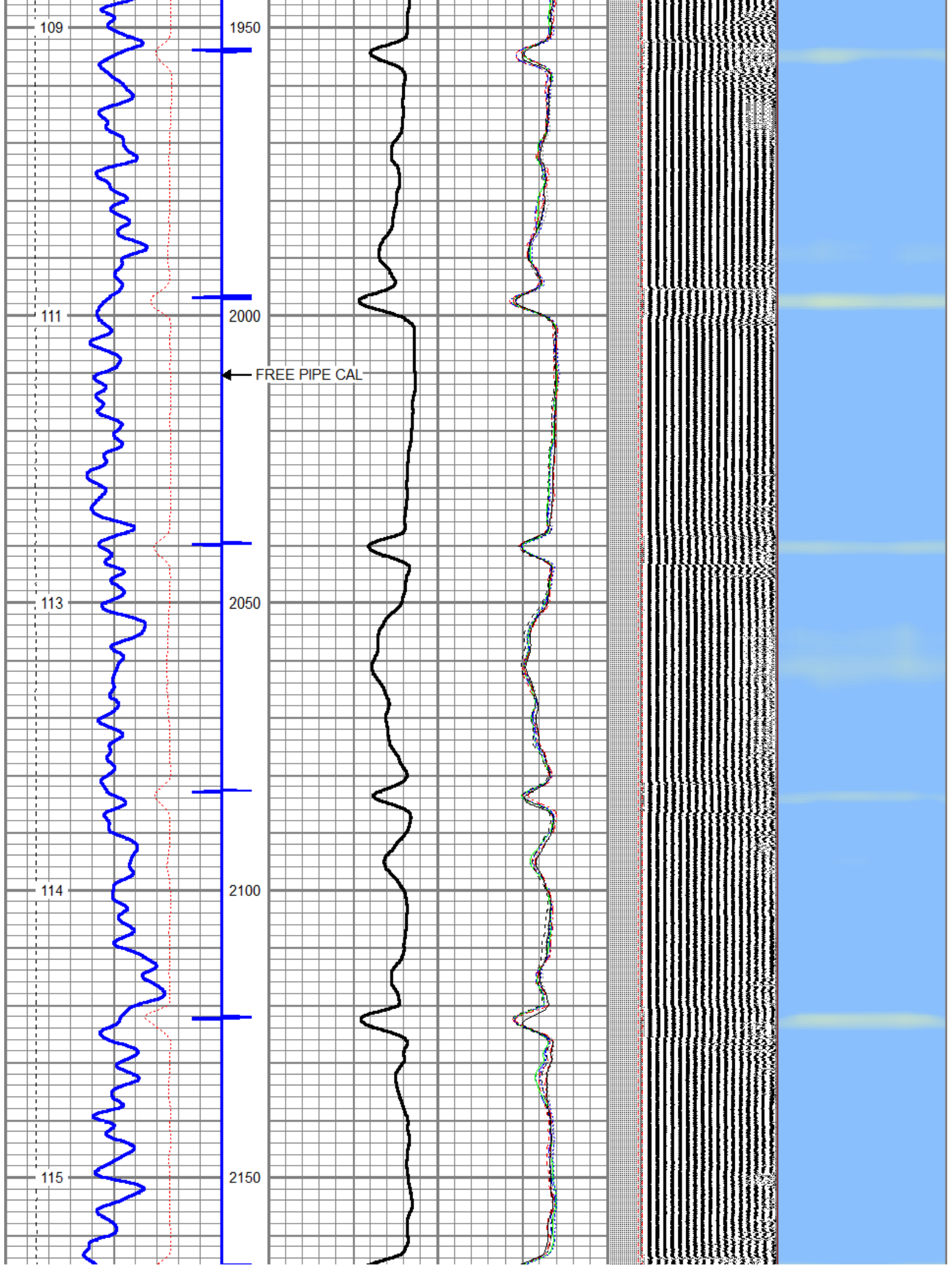


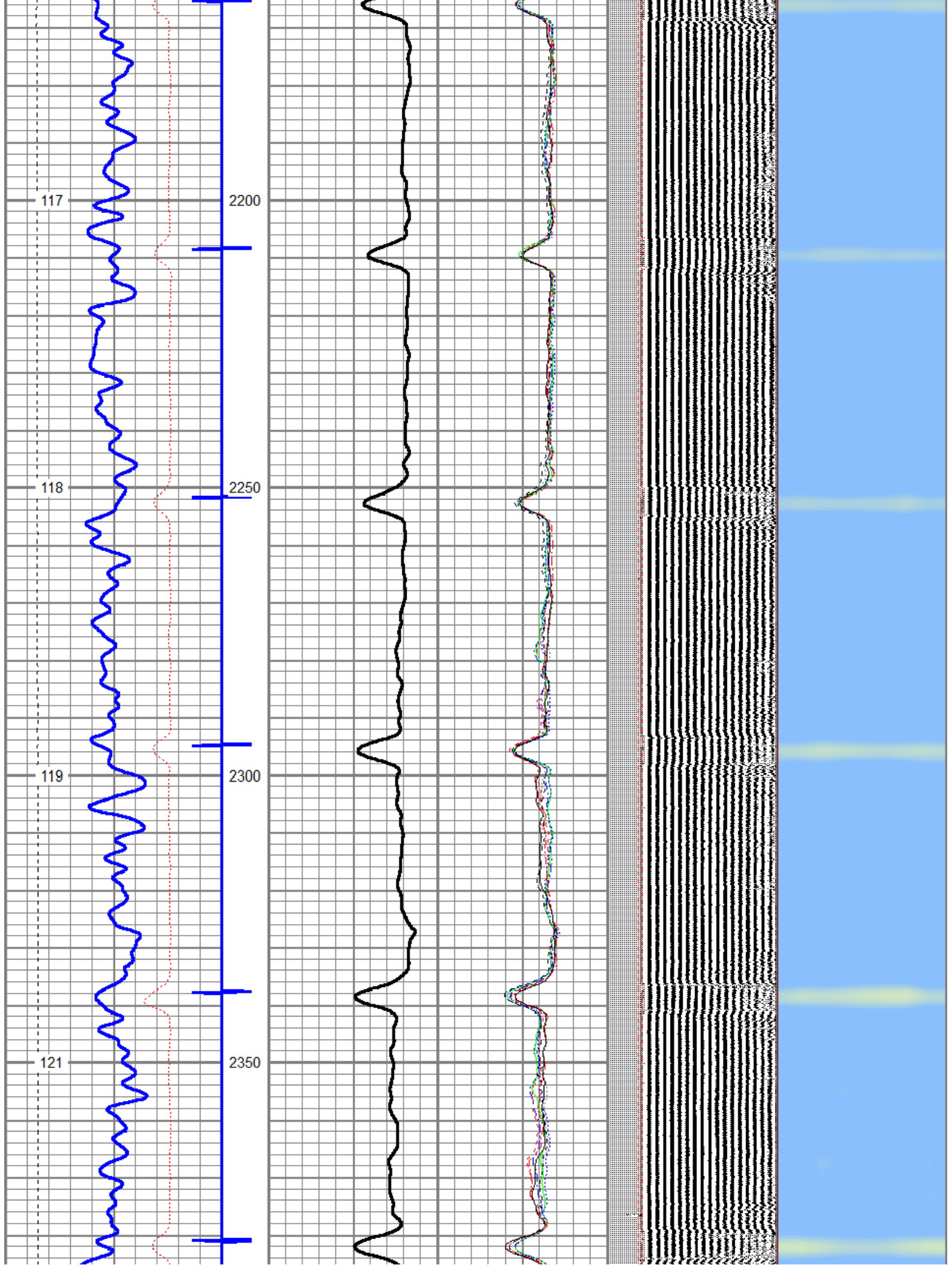


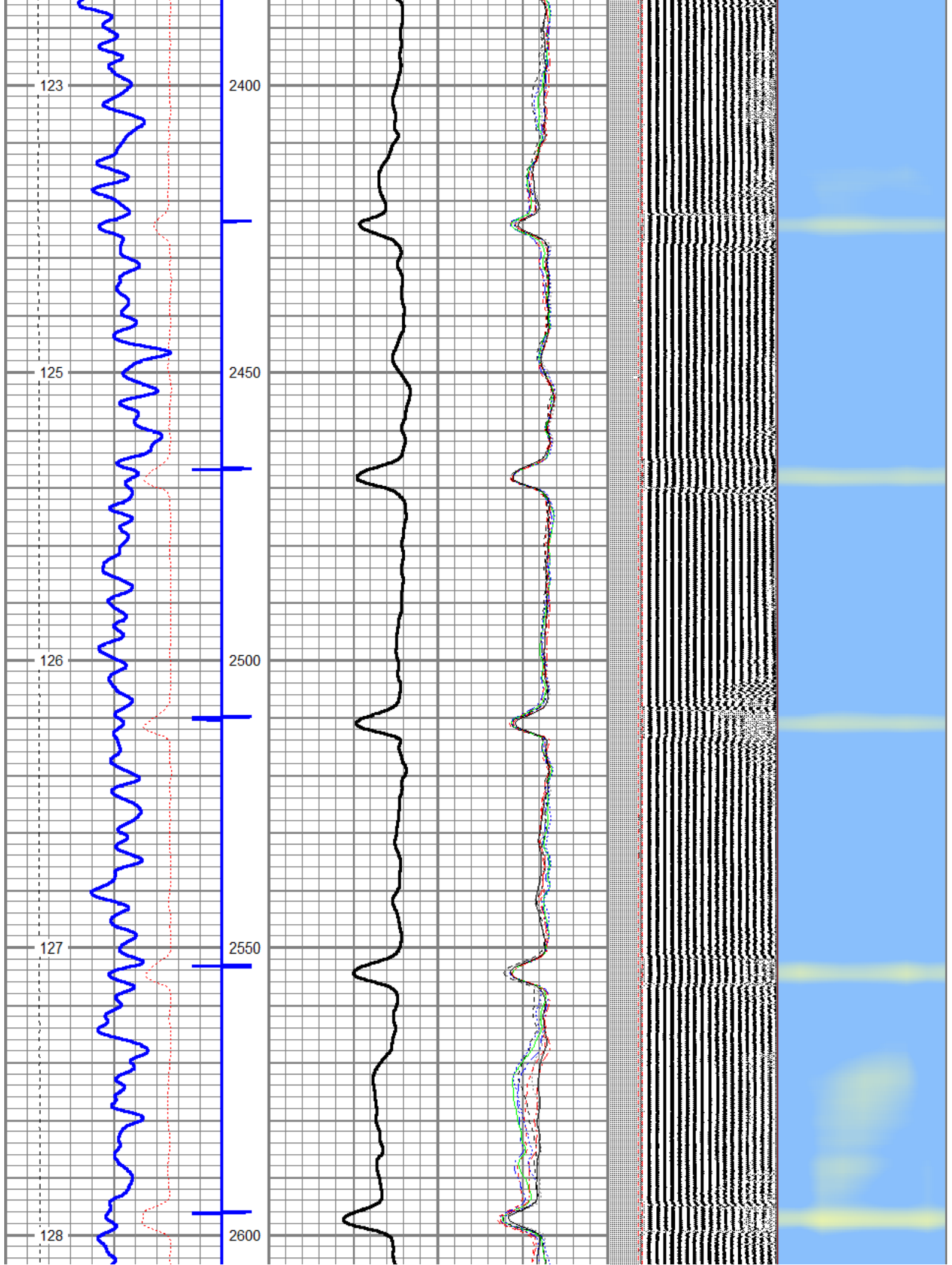


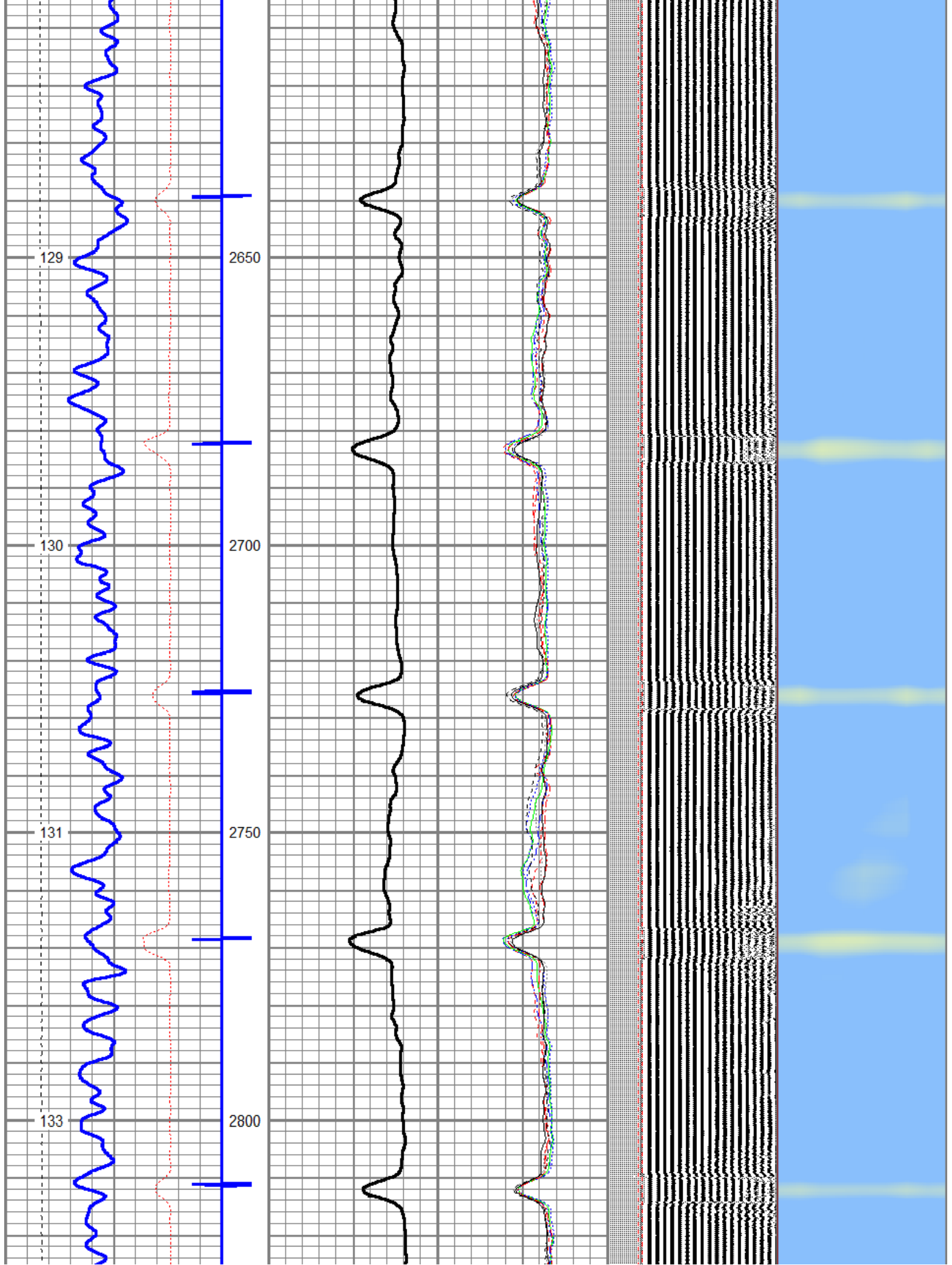


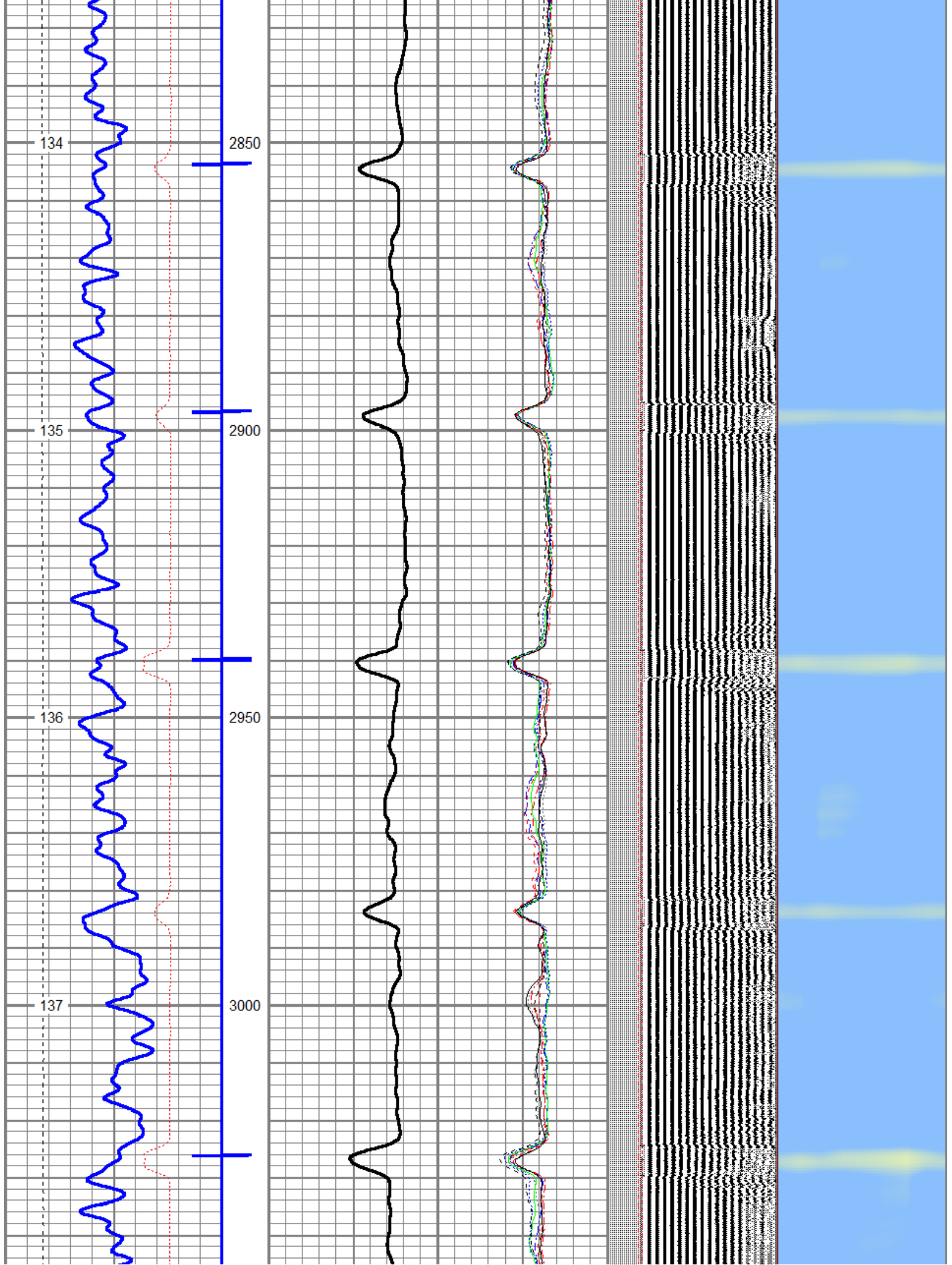


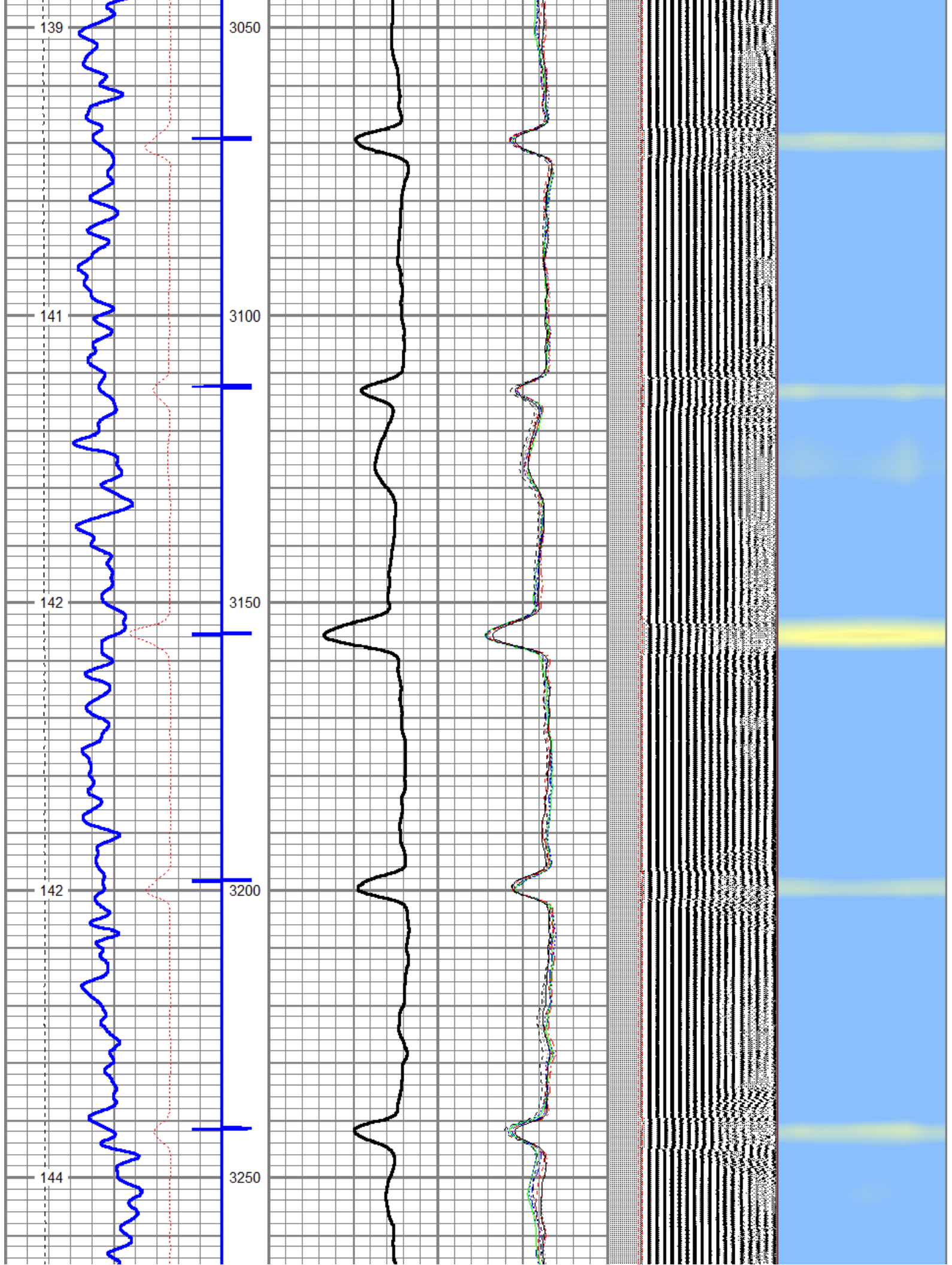


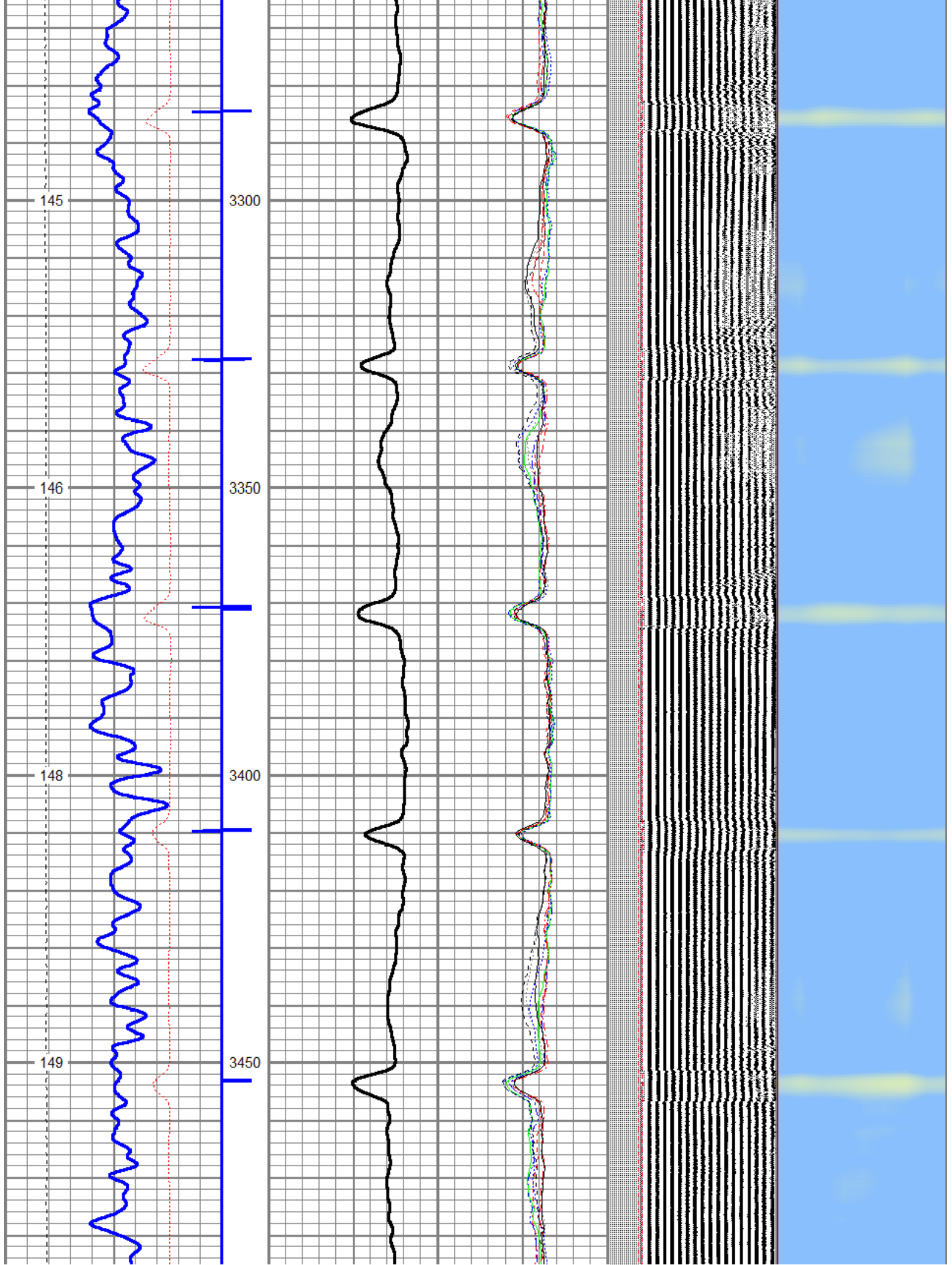


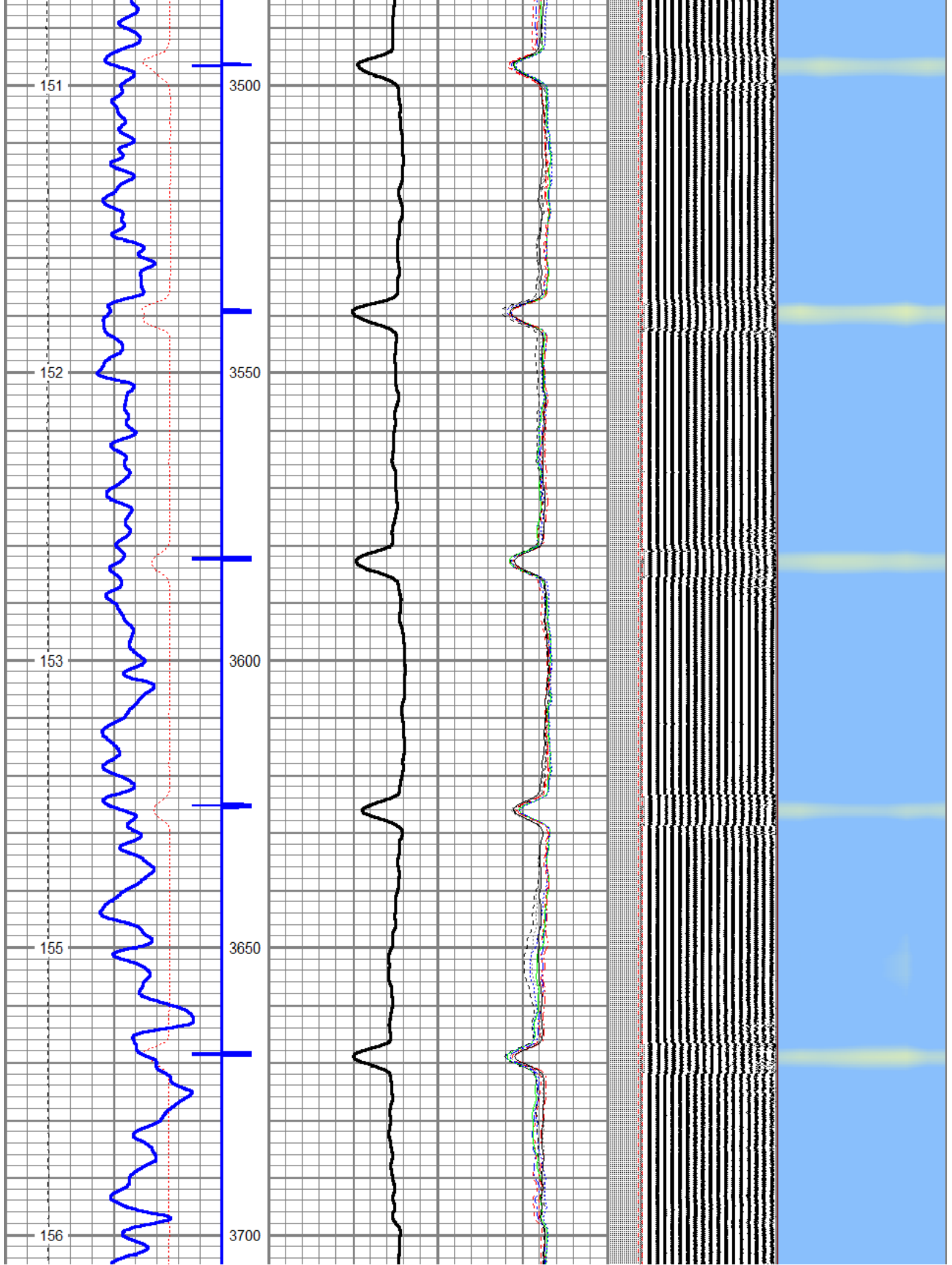


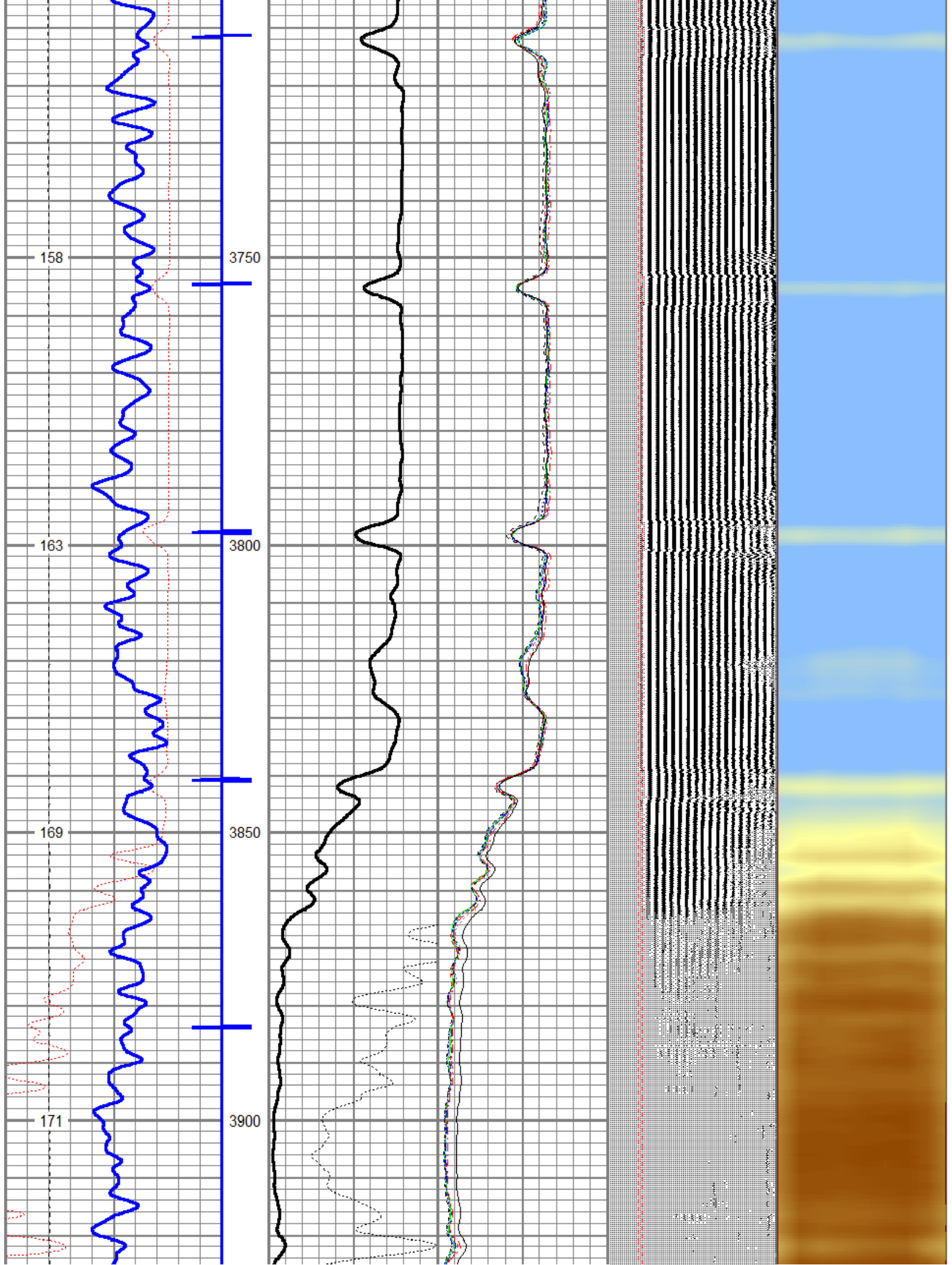


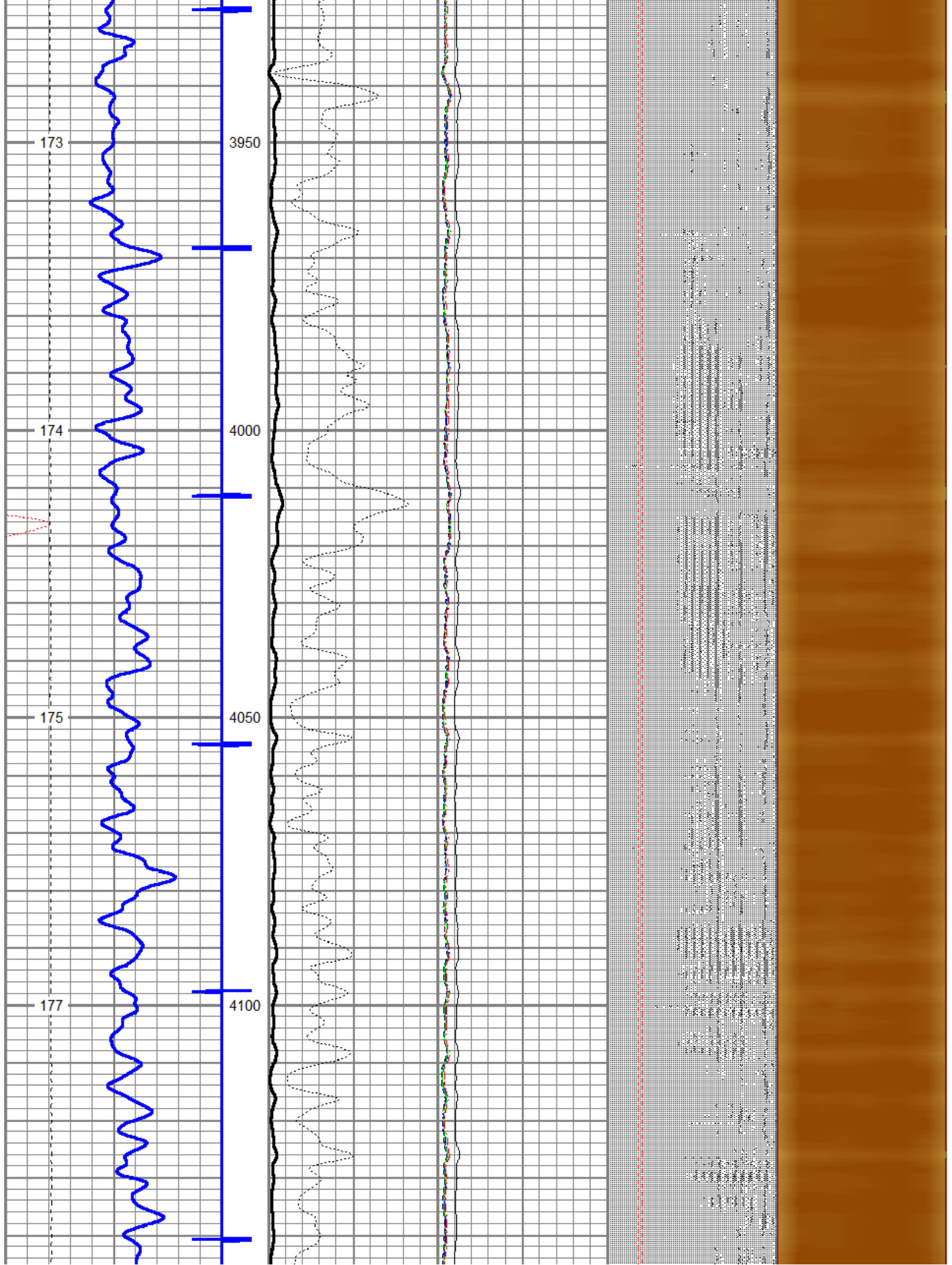


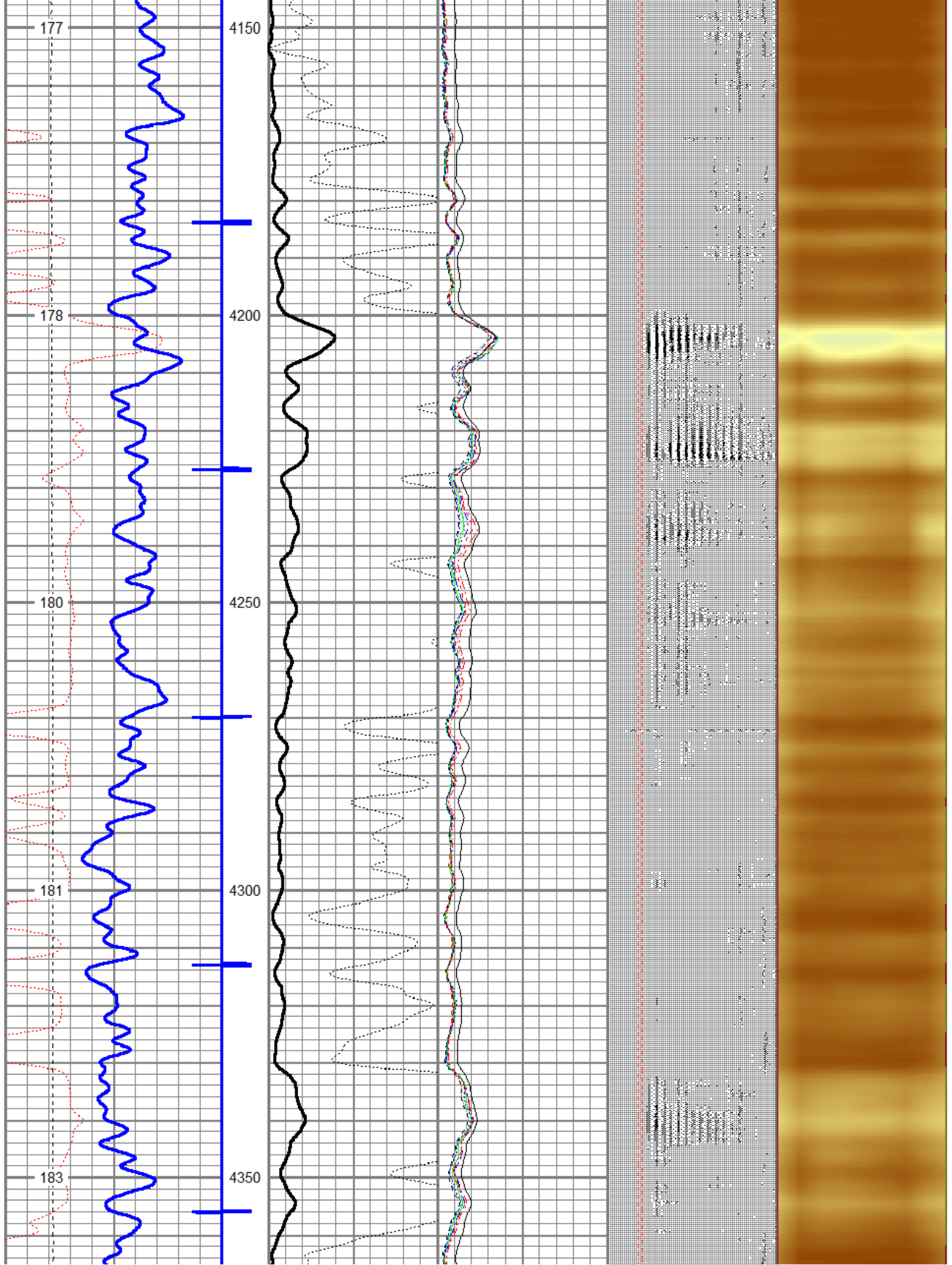


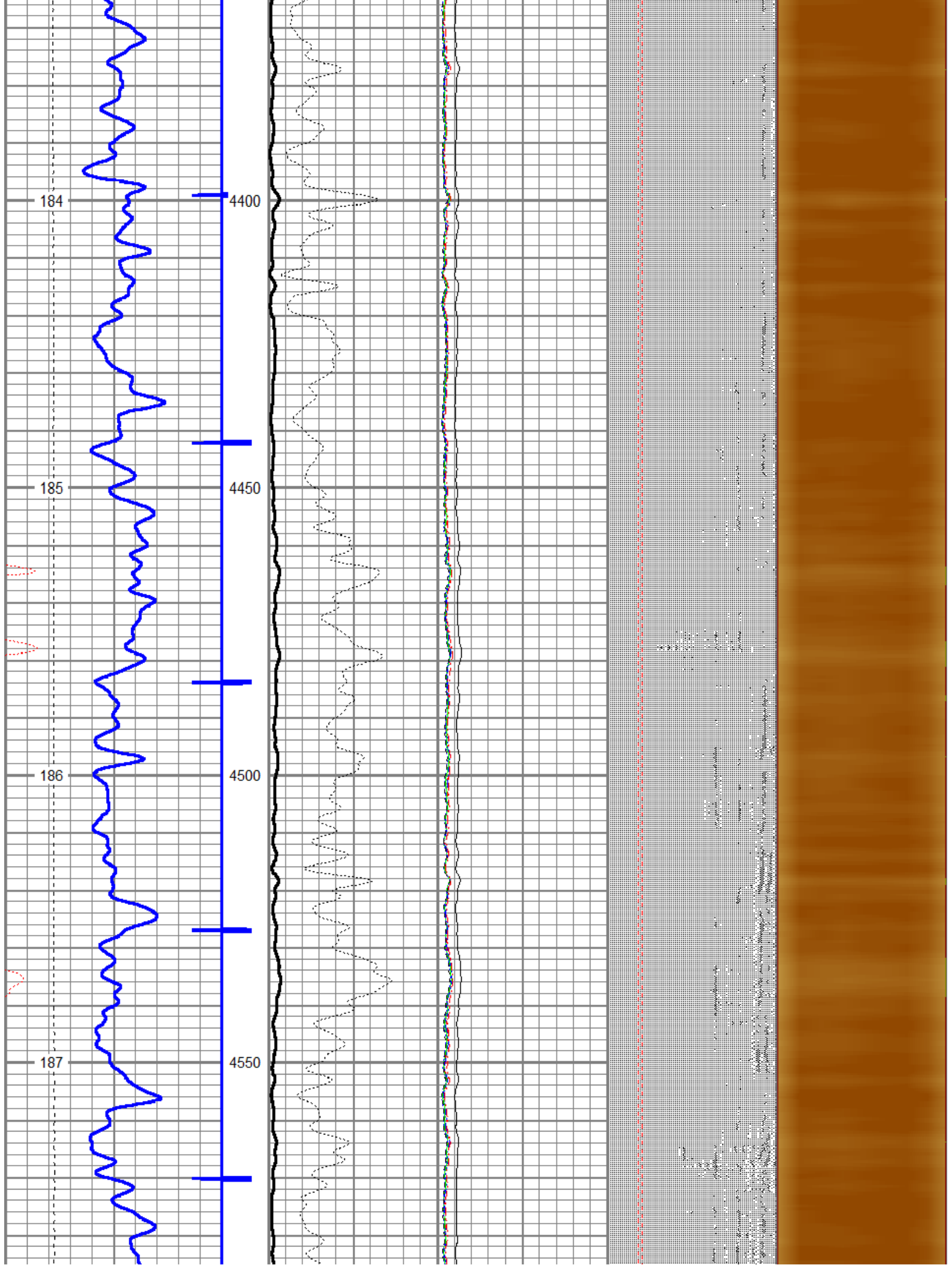


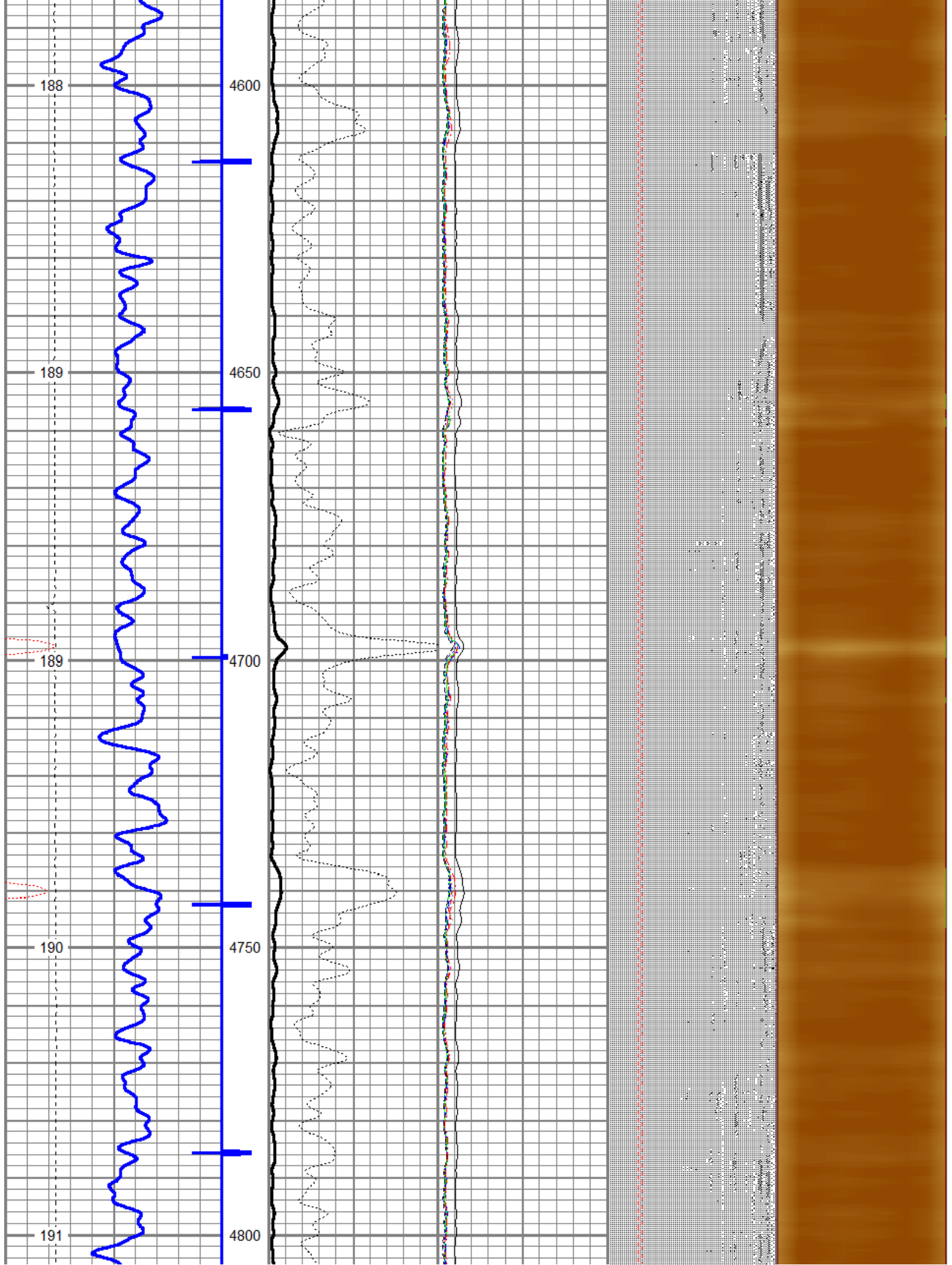


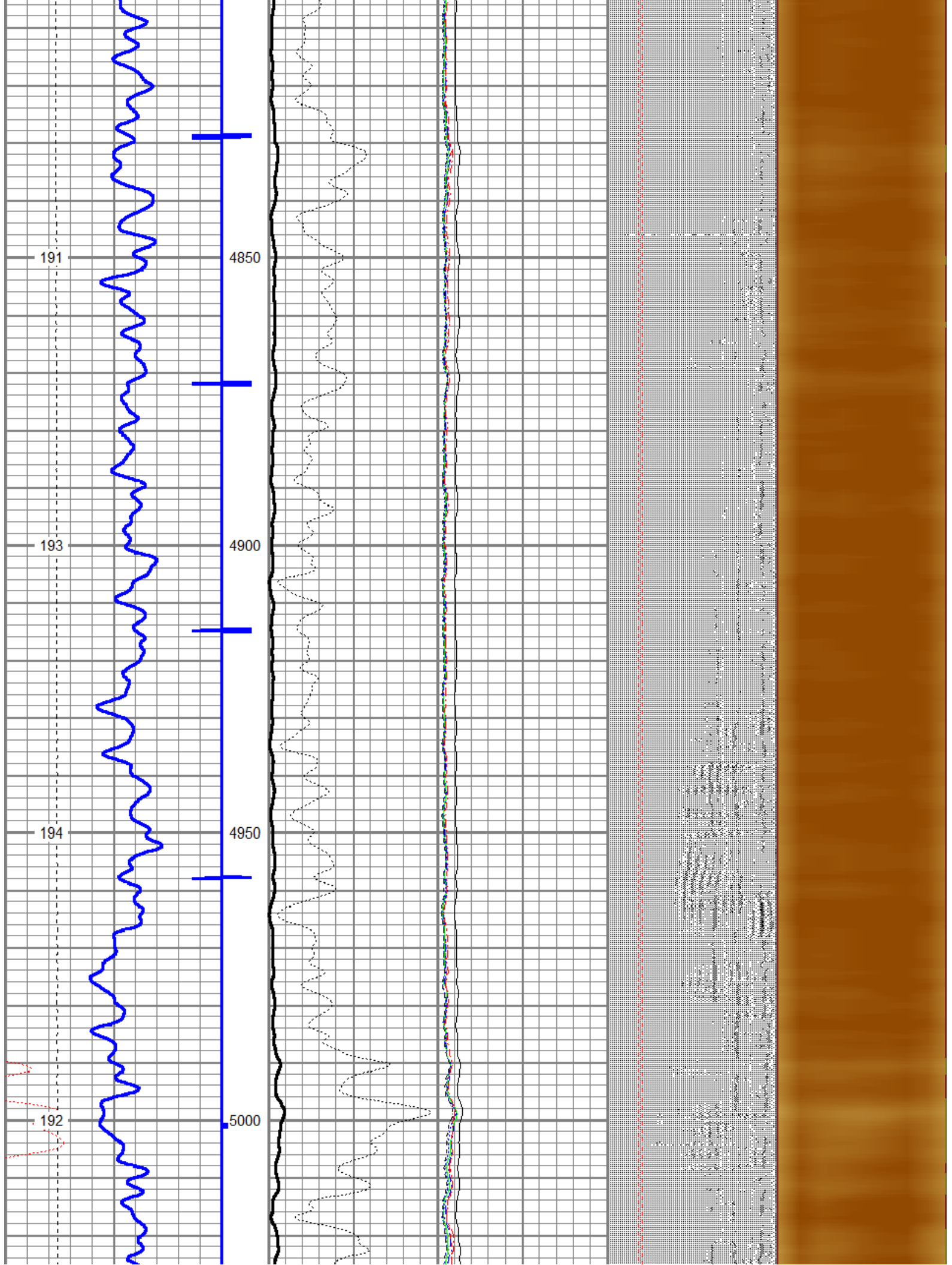


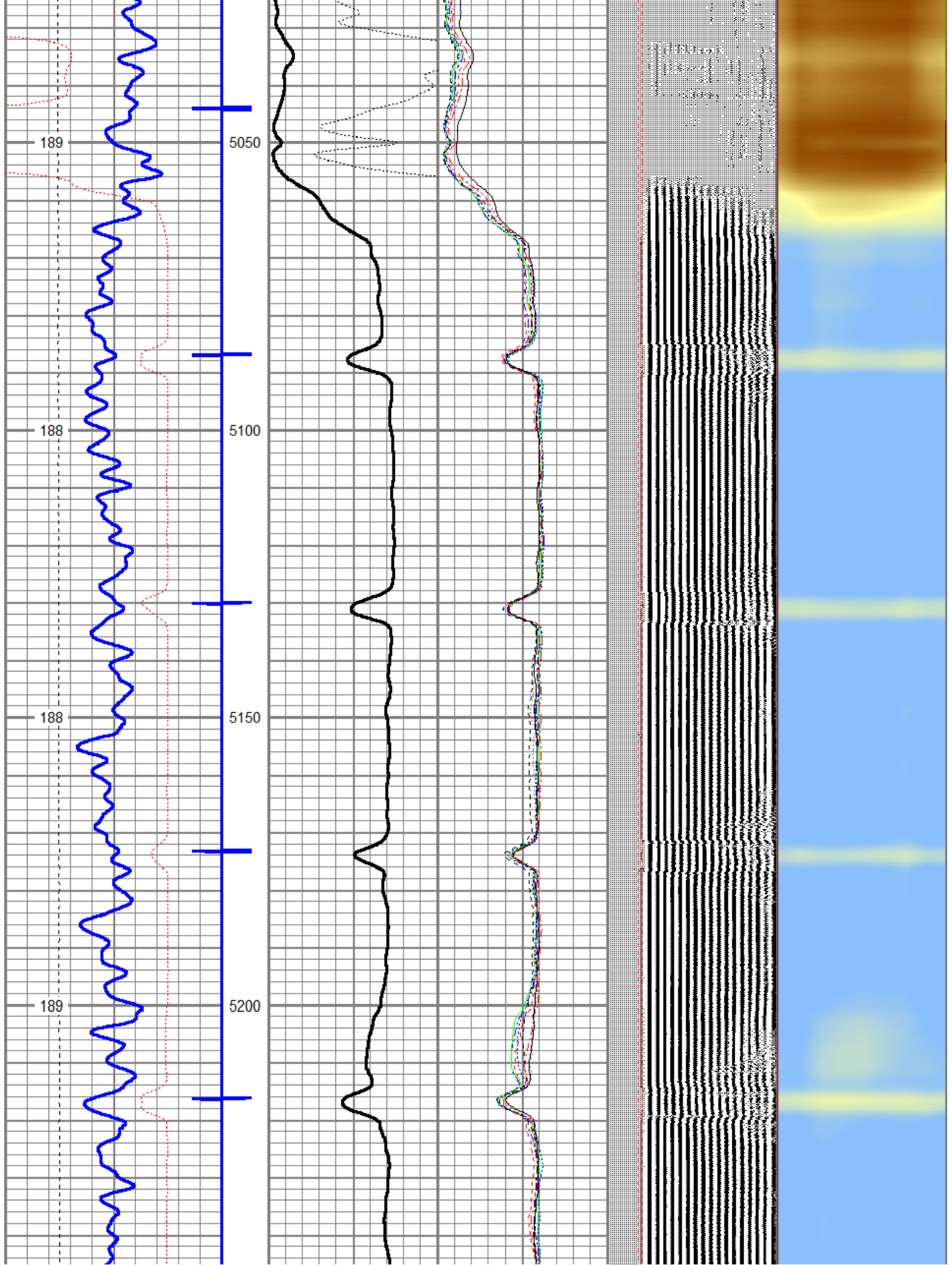


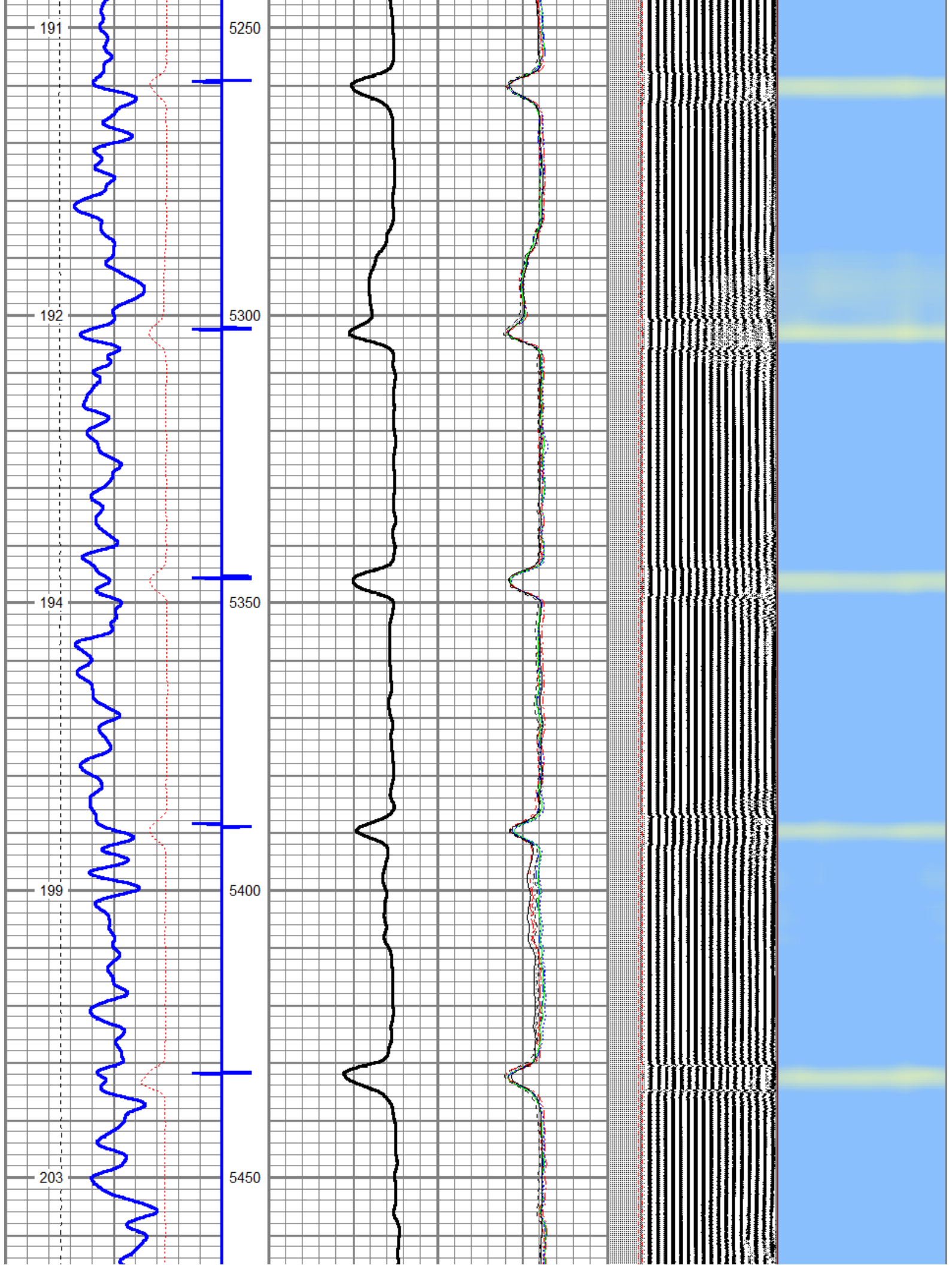


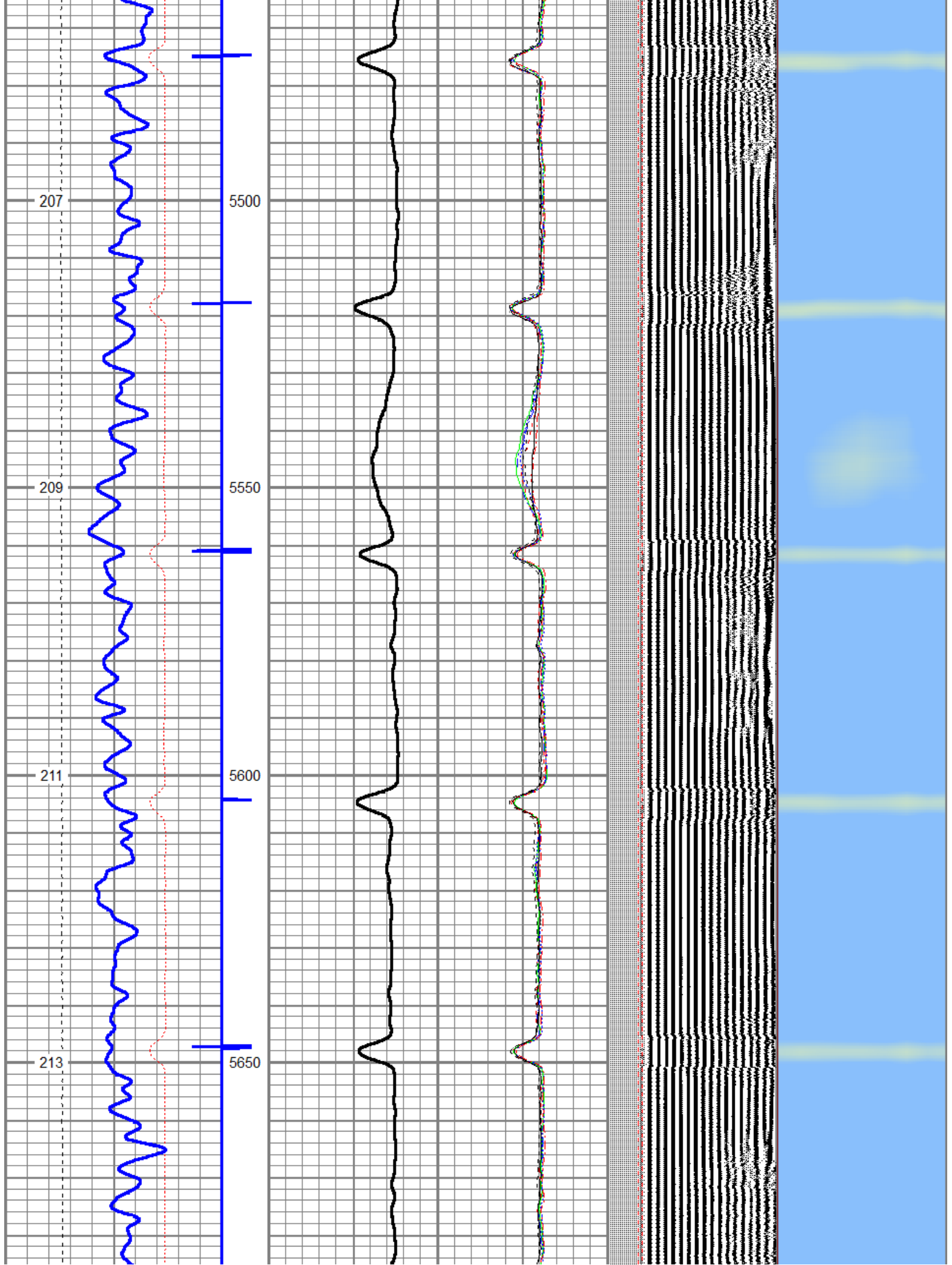


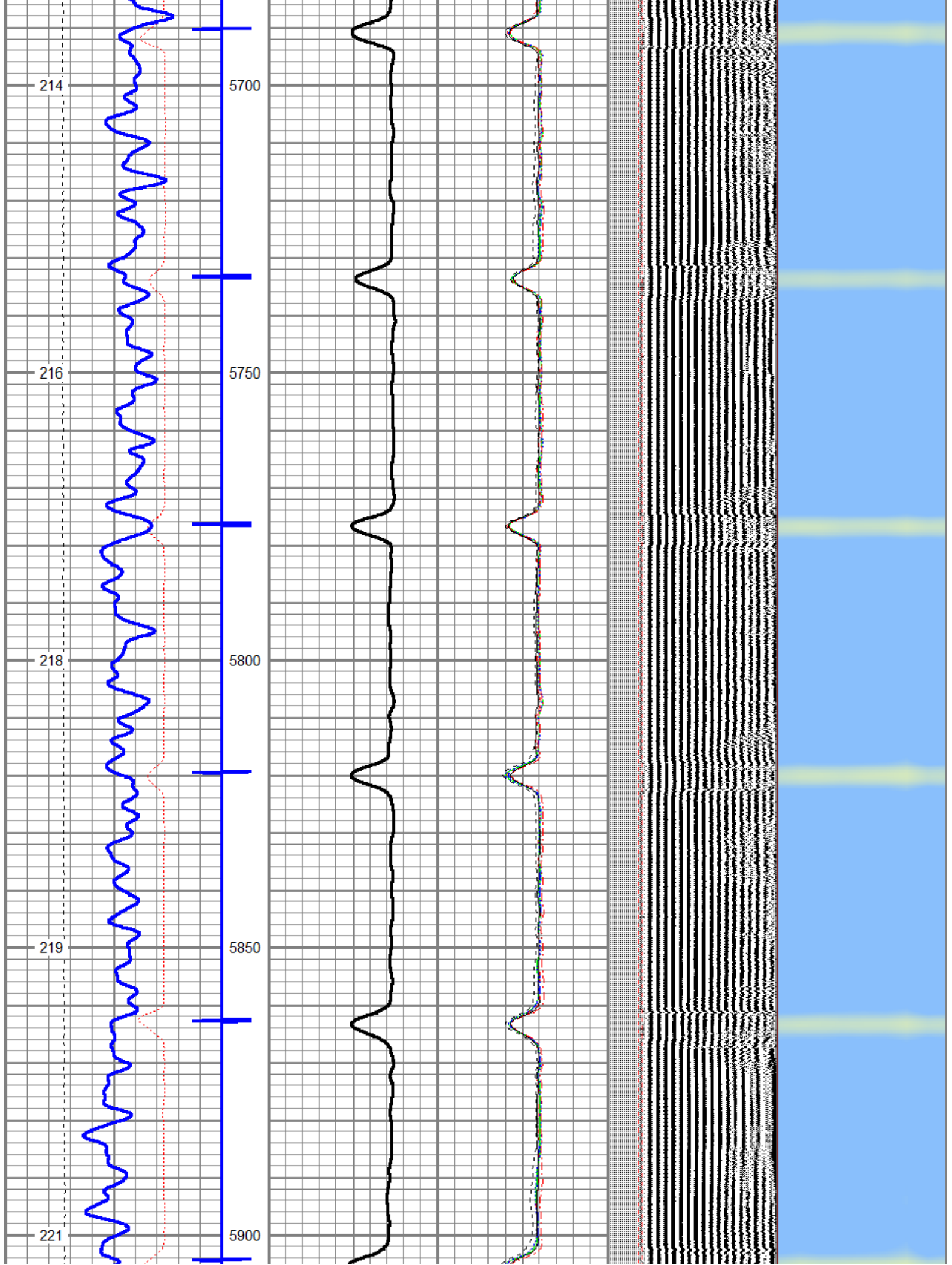


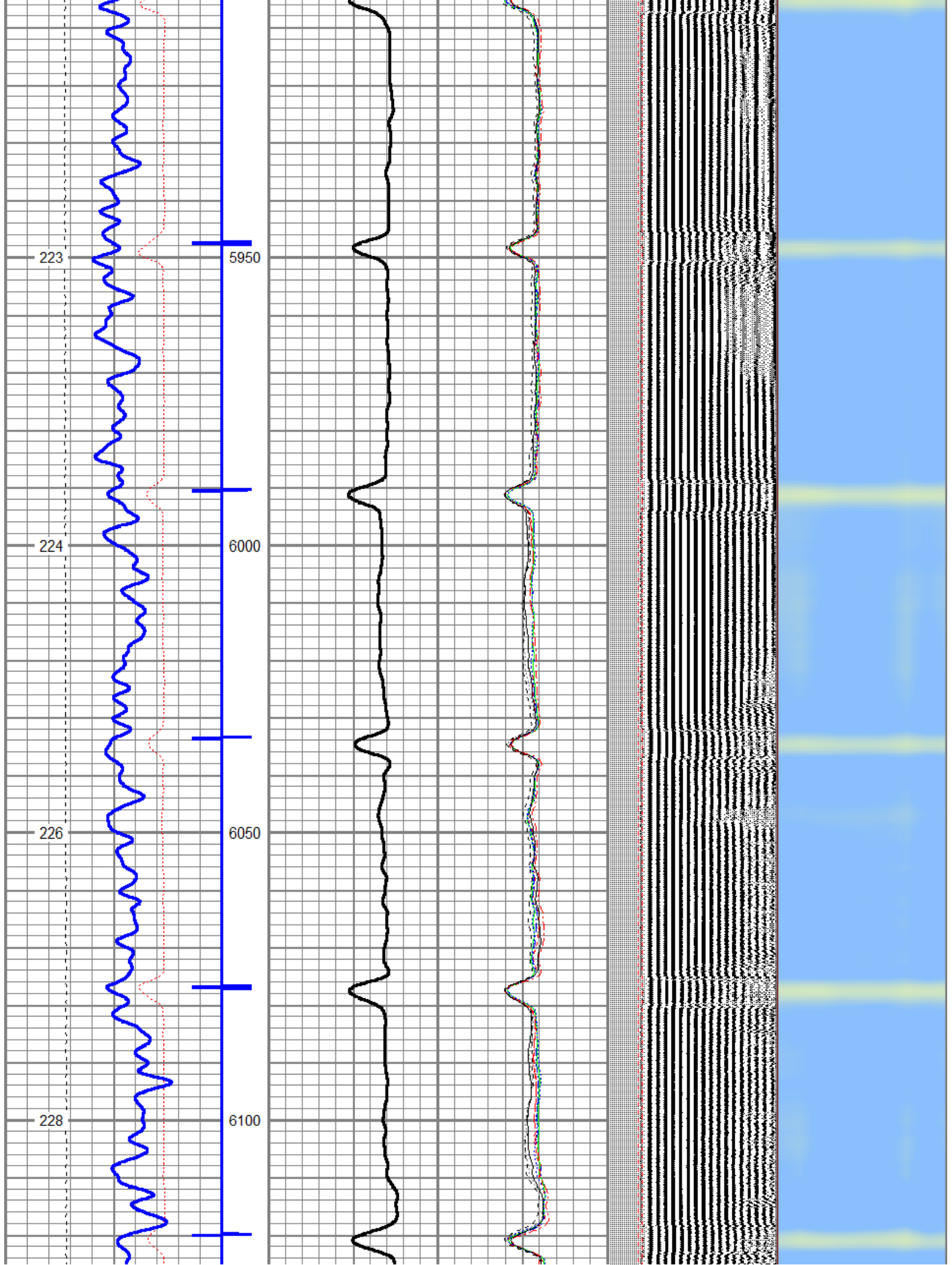


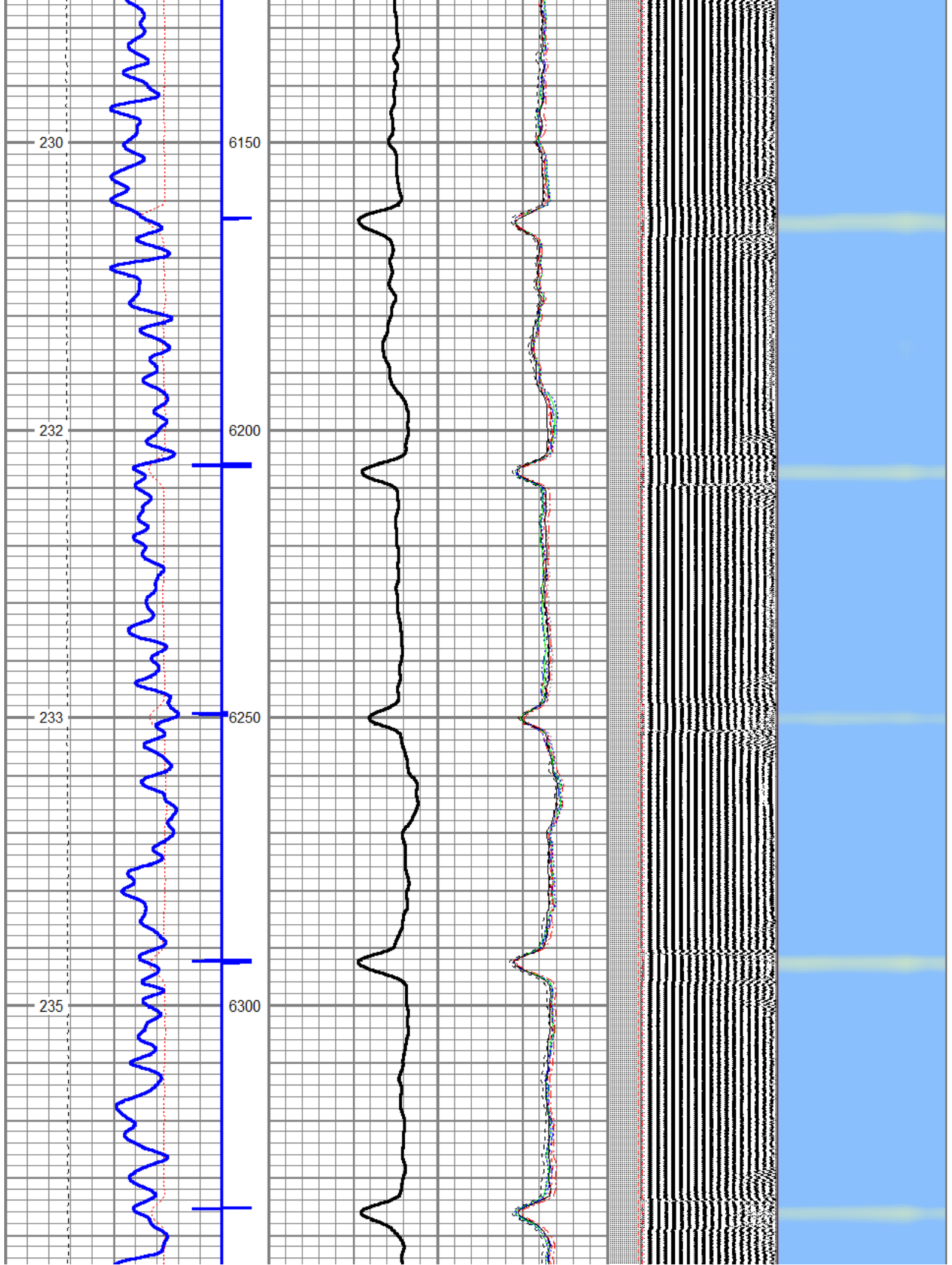


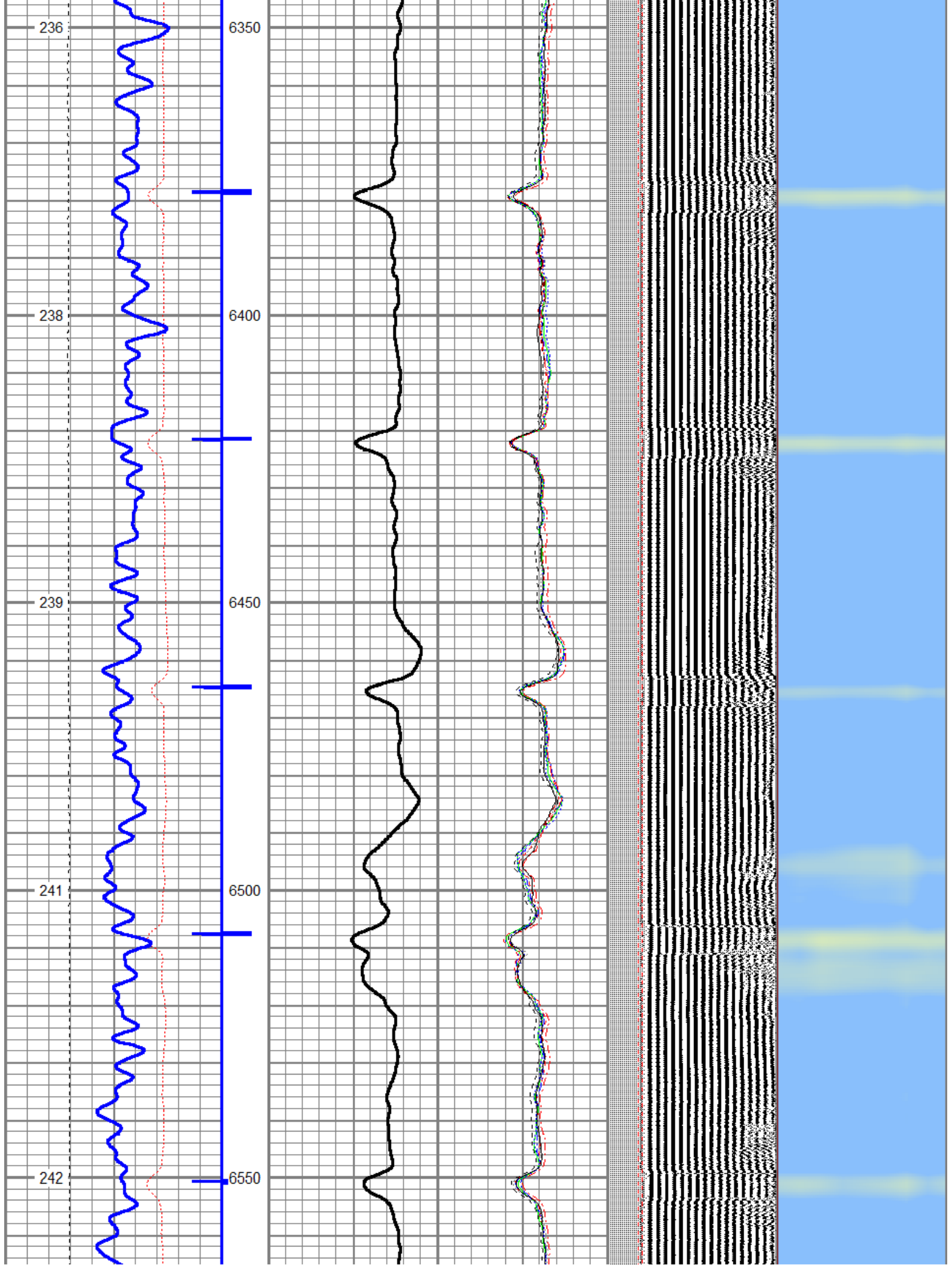


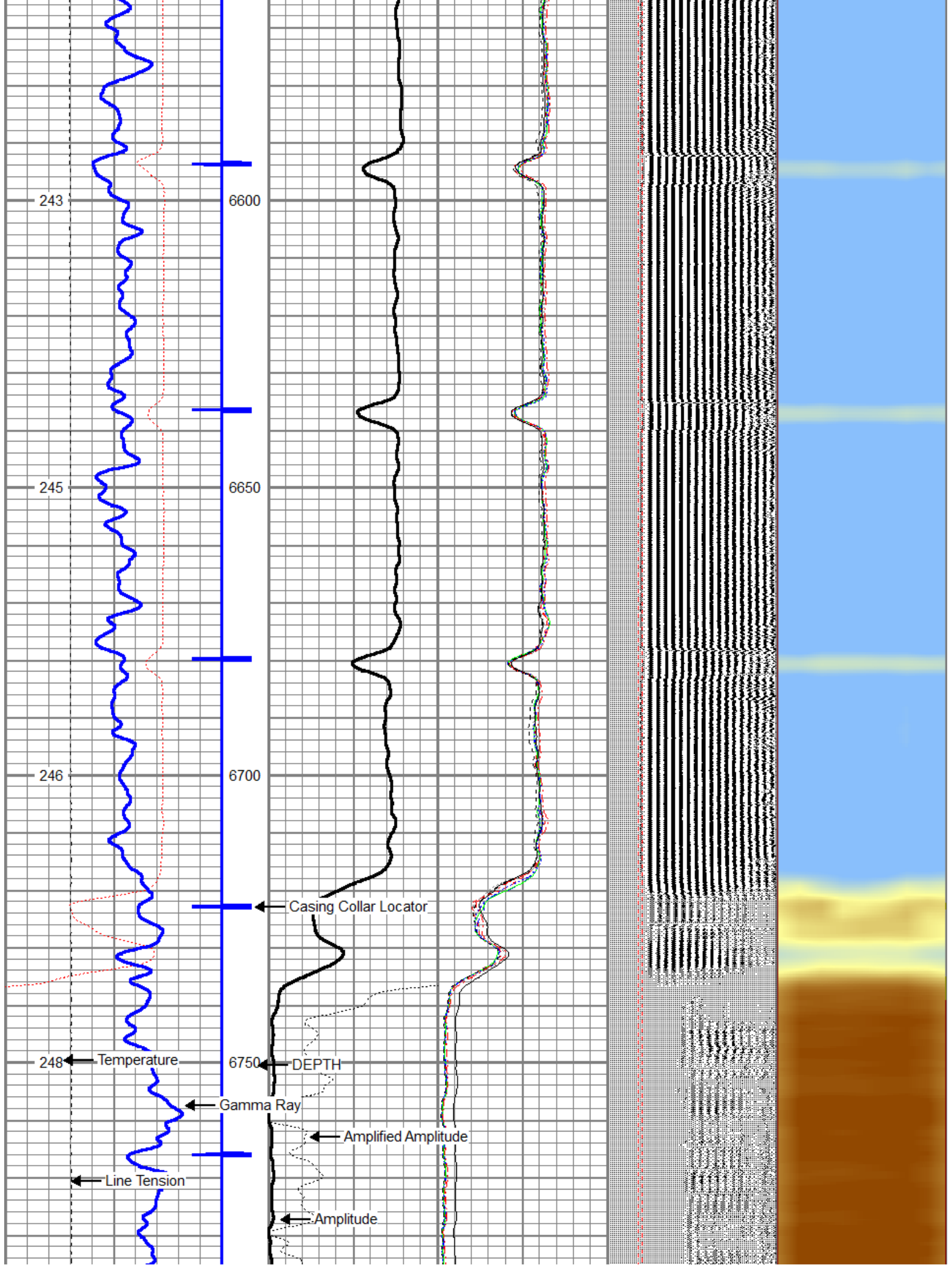


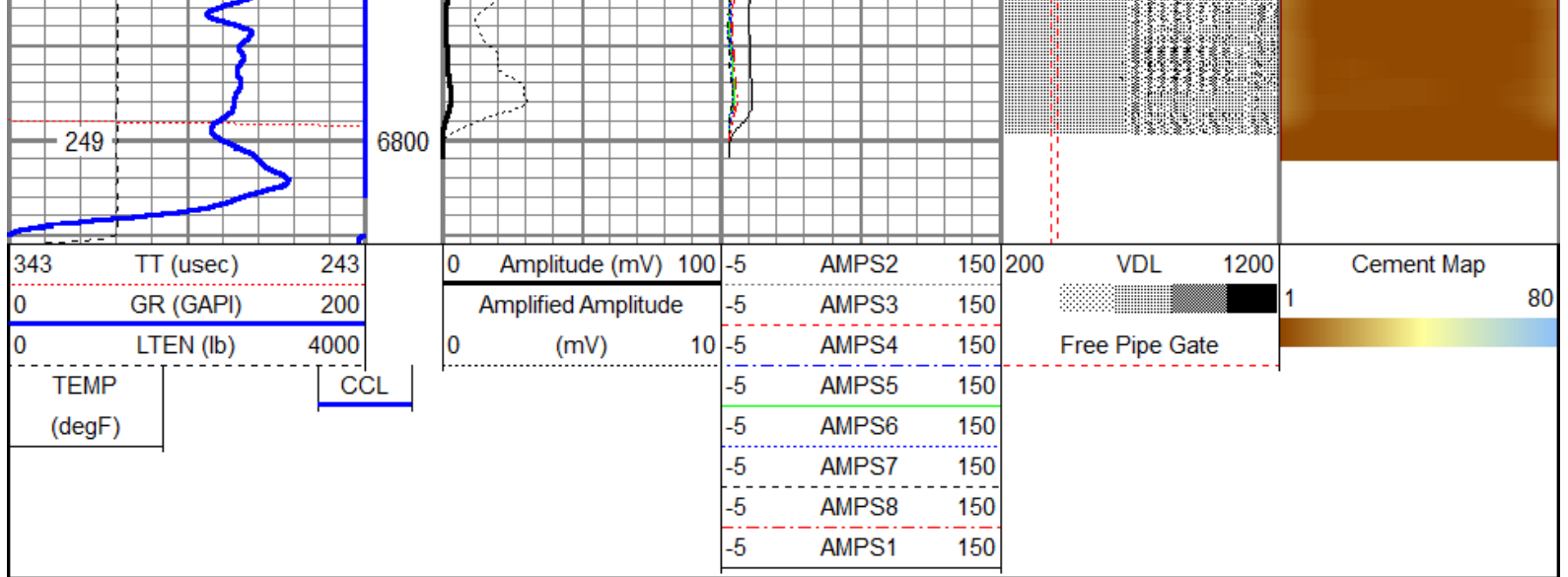






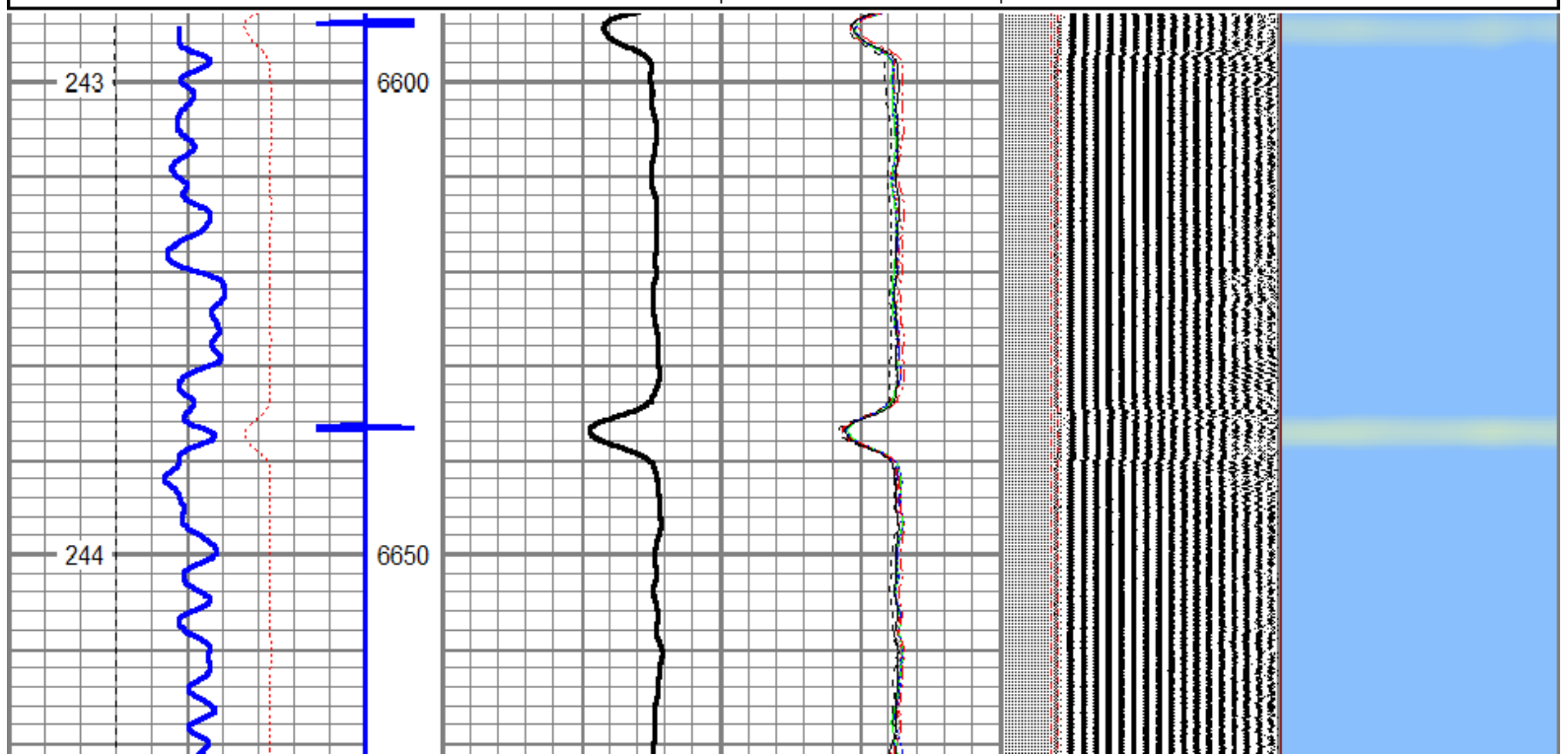
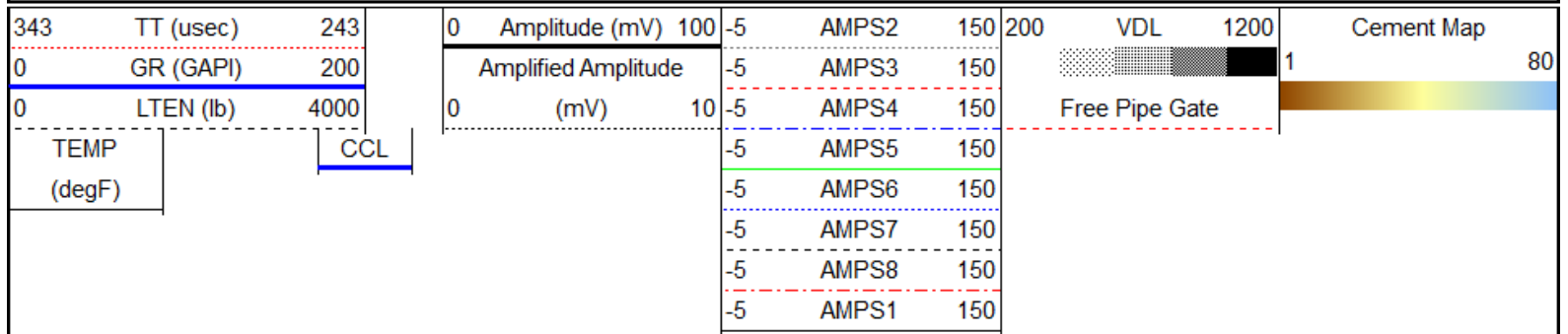


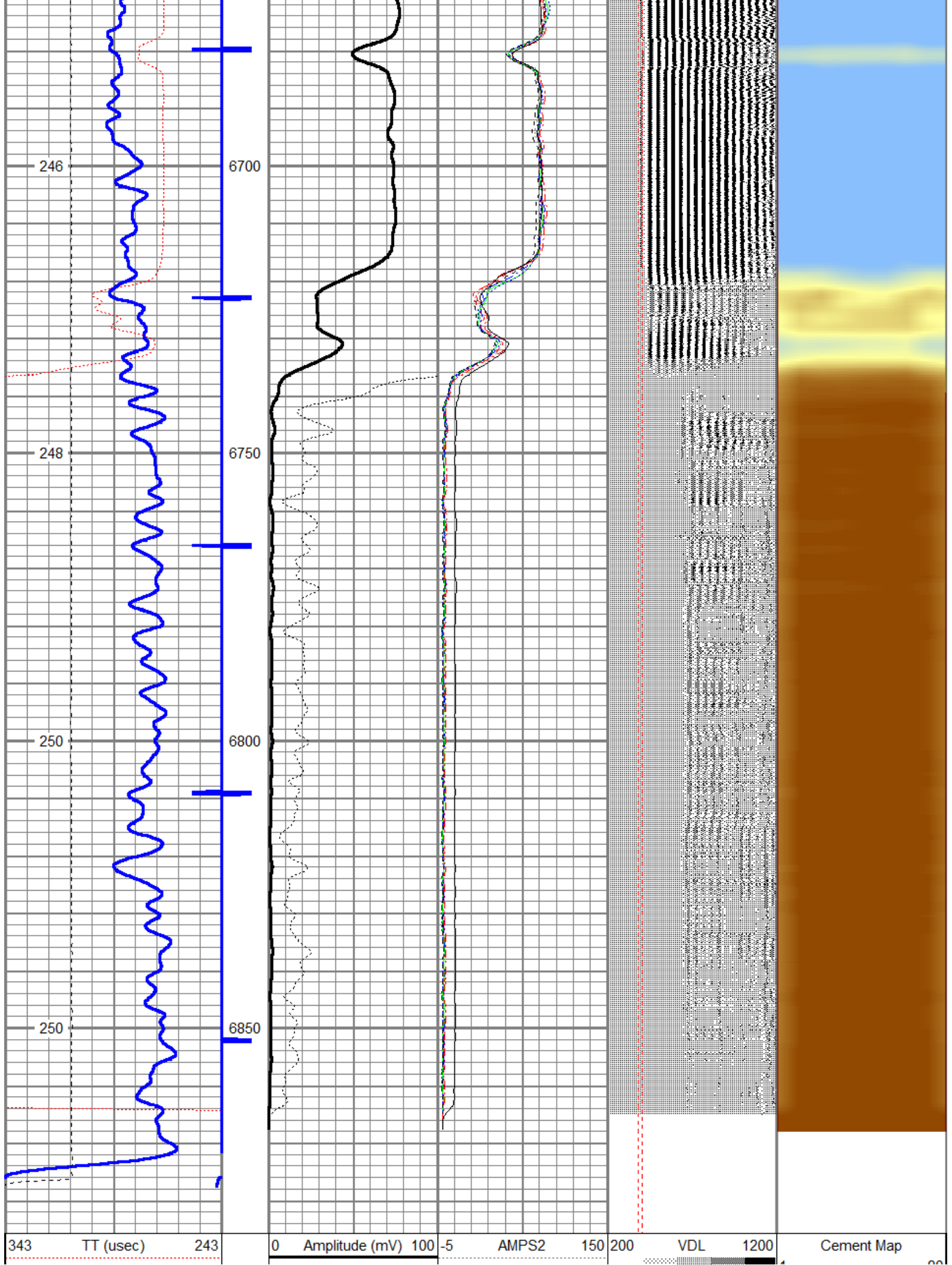


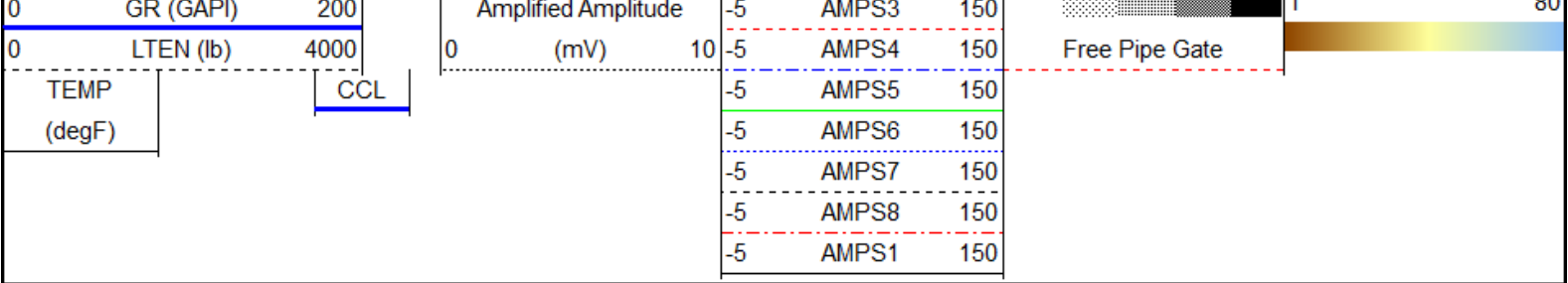


REPEAT PASS 0 PSI

Database File: anadarko_pluss | 11-05ji_rcbl_021816.db
 Dataset Pathname: pass2
 Presentation Format: rbl55
 Dataset Creation: Thu Feb 18 07:31:21 2016 by Log SCH 110630
 Charted by: Depth in Feet scaled 1:240








Free Pipe Gate

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Probe	2.86	2.75	40.00
			RBT-Probe (060113_45) Probe 2.75" Radii Bond Tool	9.39	2.75	90.00
WVF3FT	12.30					
WVFCAL	12.30					
WVFS1	12.30					
WVFS2	12.30					
WVFS3	12.30					
WVFS4	12.30					
WVFS5	12.30					
WVFS6	12.30					
WVFS7	12.30					
WVFS8	12.30					
WVF5FT	11.30					
			Probe	2.86	2.75	40.00
CCL	4.75					
			GR-Probe (060109) Probe 2.75" 4 Channel Pulse	4.00	2.75	30.00
GR	2.25					

TEMP	0.08		TEMP-1.375TEMP (060110) Temperature Tool	1.25	1.38	30.00
Dataset: anadarko_pluss l 11-05ji_rcbl_021816.db: field/well/run1/pass3 Total Length: 20.36 ft Total Weight: 230.00 lb O.D. 2.75 in						

	Company	KERR MCGEE OIL AND GAS
	Well	PLUSS L #11-05JI
	Field	WATTENBERG
	County	WELD
	State	COLORADO