

Gamma Ray Calibration Report

Serial Number:	FW1212-94	
Tool Model:	Gamma_Incl_275	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Inclinometer Calibration Report

Performed:	Wed May 22 14:47:39 2013				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-3608.00	3596.00	-1.00	1.00	gee
Y Accelerometer	-3718.00	3518.00	-1.00	1.00	gee
Z Accelerometer	-1.23	3574.90	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1403-64	
Tool Model:	RBT-TEMP	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	1239.150	ft

Master Calibration, performed Tue Aug 25 15:15:51 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.713	0.000	82.000	100.000	-0.000
CAL	0.000	0.603				
5'	0.000	0.625	0.000	82.000	131.293	-0.000
SUM						
S1	0.000	0.717	0.000	100.000	139.517	-0.000
S2	0.000	0.767	0.000	100.000	130.395	-0.001
S3	0.000	0.771	0.000	100.000	129.777	-0.001
S4	0.000	0.727	0.000	100.000	137.464	-0.001
S5	0.000	0.692	0.000	100.000	144.603	-0.001
S6	0.000	0.683	0.000	100.000	146.375	-0.001
S7	0.000	0.683	0.000	100.000	146.464	-0.001
S8	0.000	0.685	0.000	100.000	146.078	-0.001

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	0.603	1.000	0.000

Air Zero Calibration, performed Tue Aug 25 13:55:36 2015:

	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
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

Temperature Calibration Report

Serial Number: FW1403-64
Tool Model: RBT-TEMP
Performed: Sun Jun 13 13:33:21 1993


	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF
Gain:	1.00	
Offset:	0.00	
Delta Spacing	5	

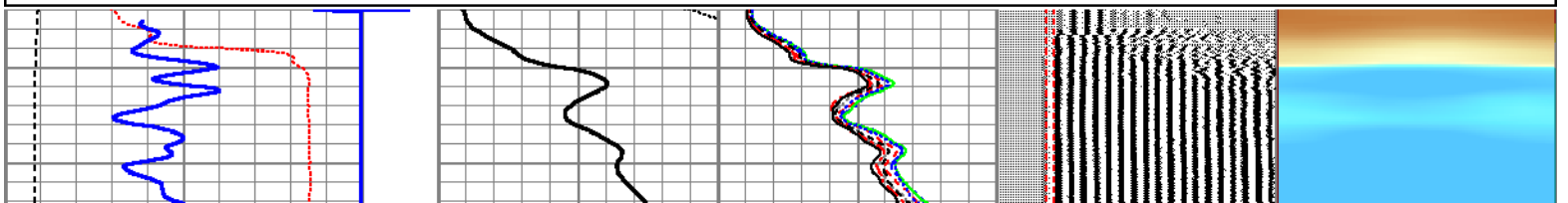


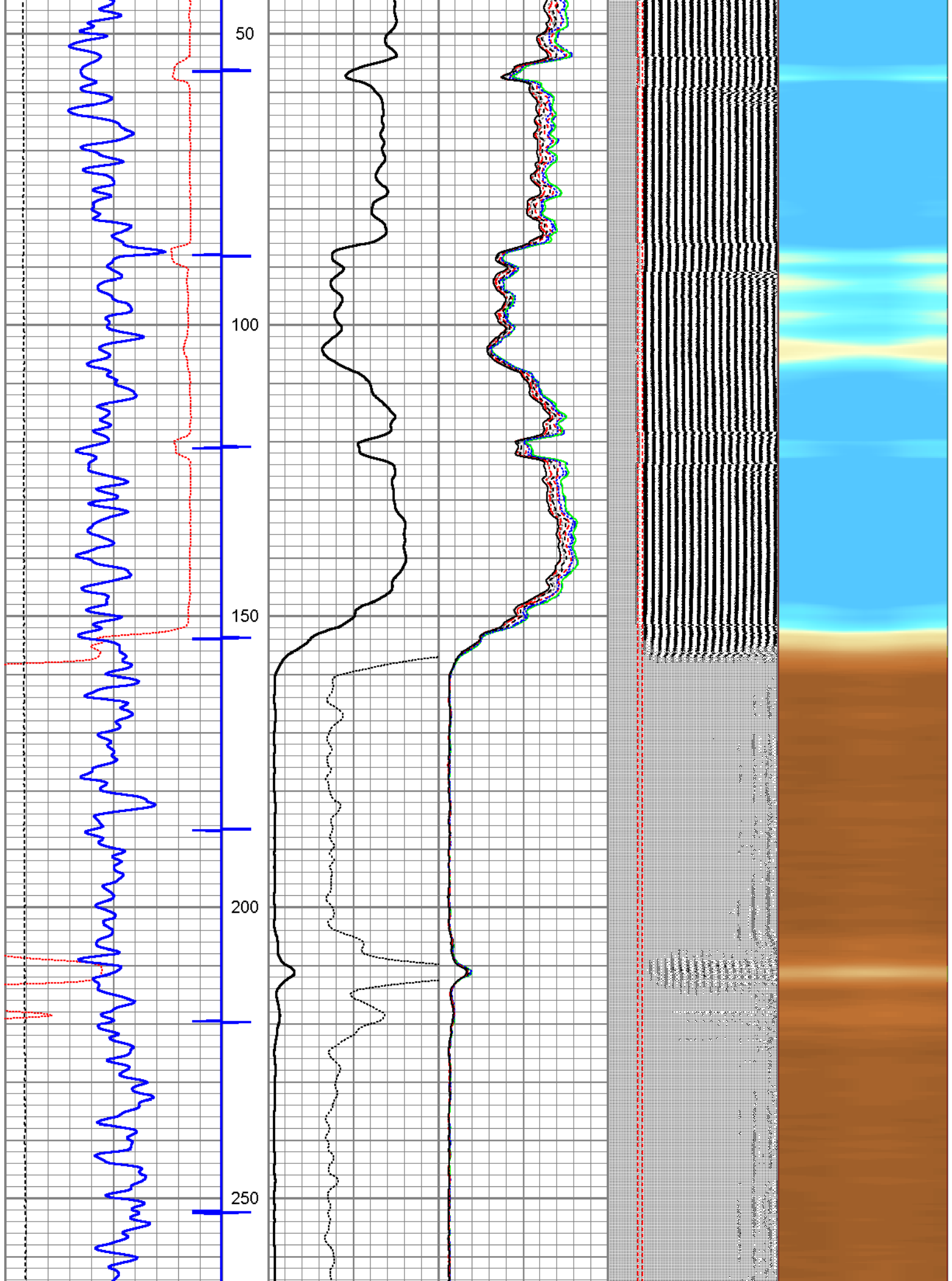
MAIN PASS 0 PSI

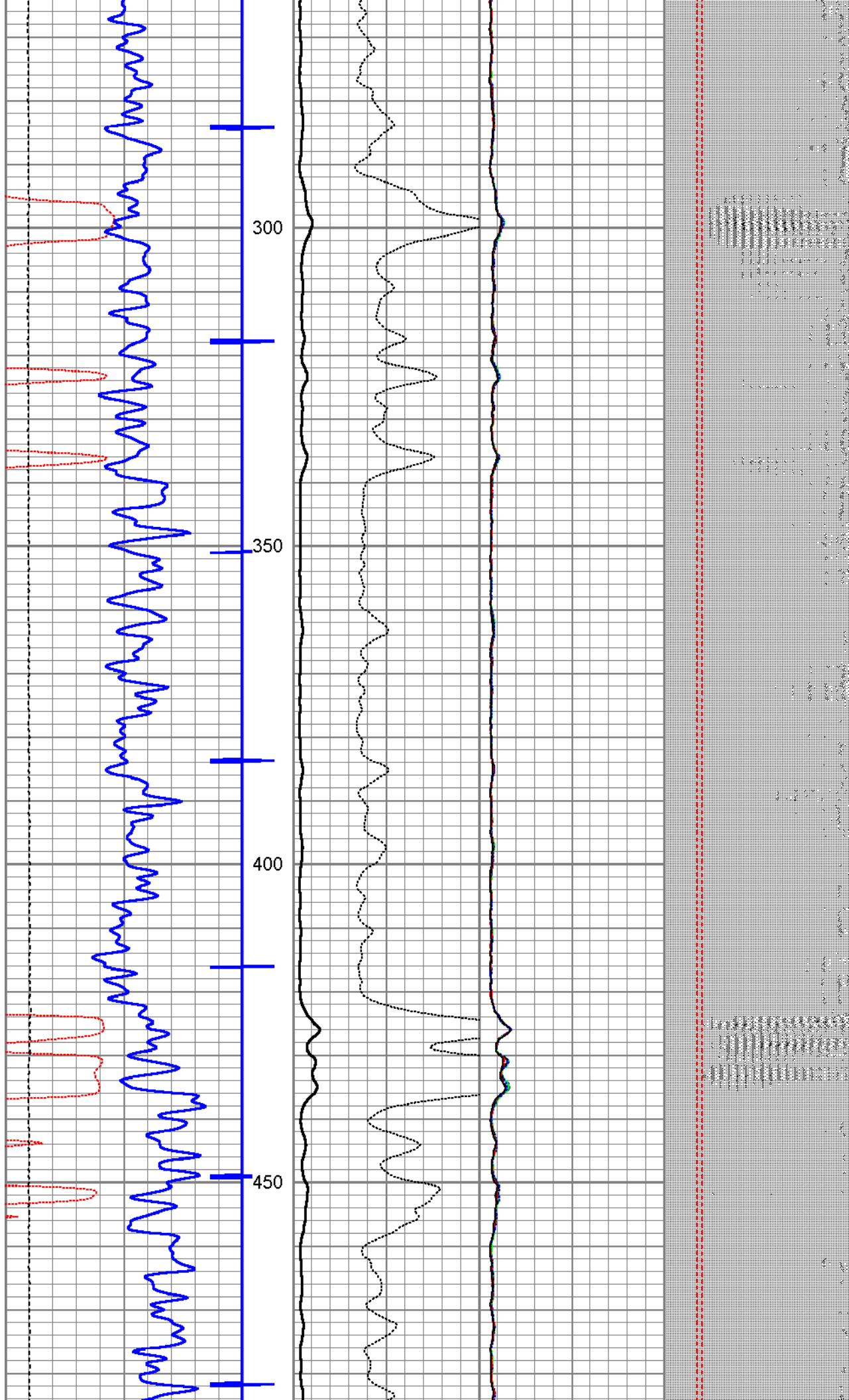
5" = 100'

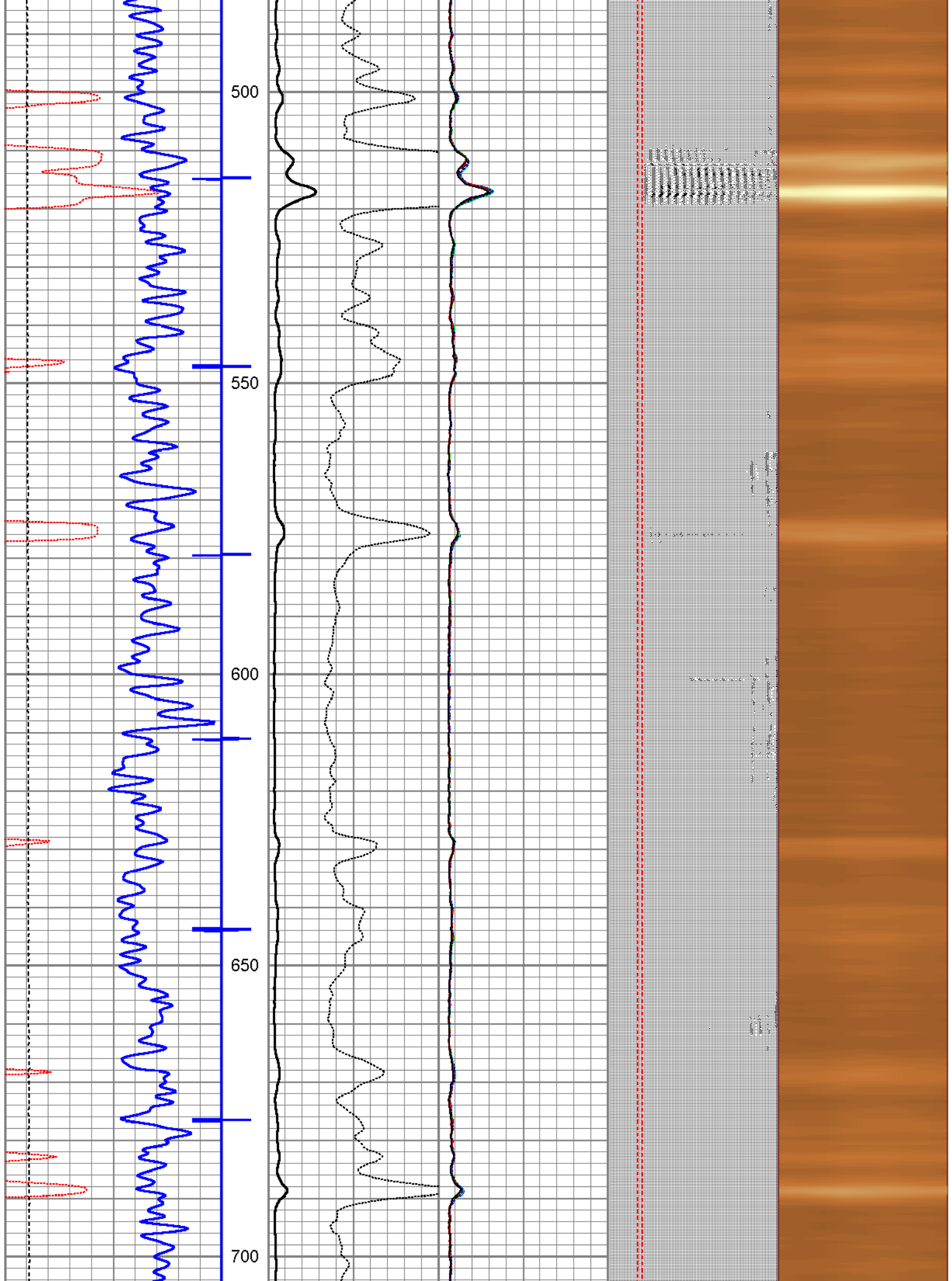
Database File: odenbaugh_cull_ut-1.db
Dataset Pathname: pass20.1
Presentation Format: rbl55
Dataset Creation: Wed Aug 26 14:37:10 2015 by Calc Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

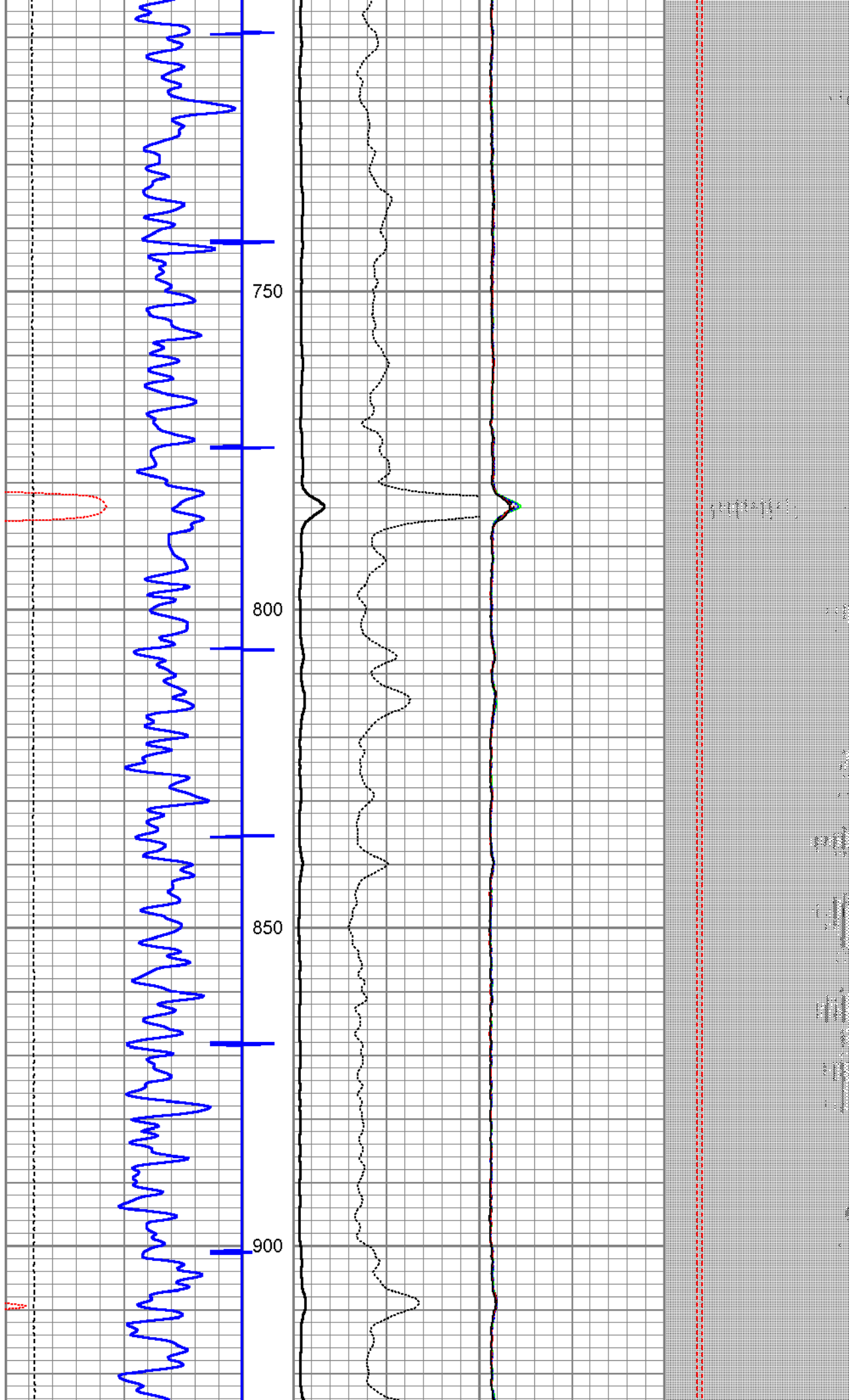
325	TT (usec)	225		Amplitude	-5	AMPS2	150	200	VDL	1200	Cement Map	
0	GR (GAPI)	200		(mV)	100	-5	AMPS3	150			1	80
0	LTEN (lb)	4000		Amplified Amplitude	-5	AMPS4	150	Free Pipe Gate				
			CCL	(mV)	10	-5	AMPS5	150				
						-5	AMPS6	150				
						-5	AMPS7	150				
						-5	AMPS8	150				
						-5	AMPS1	150				

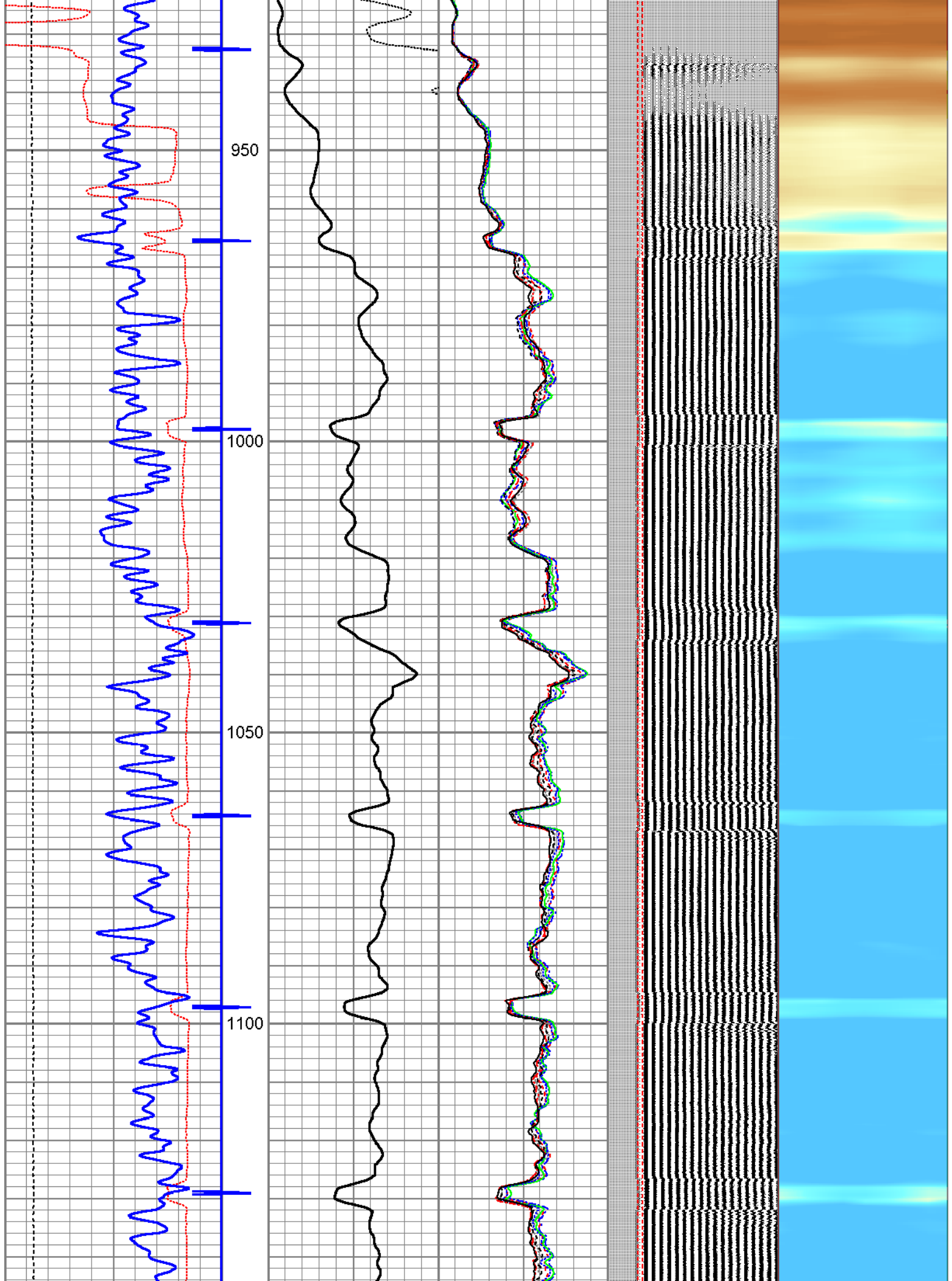


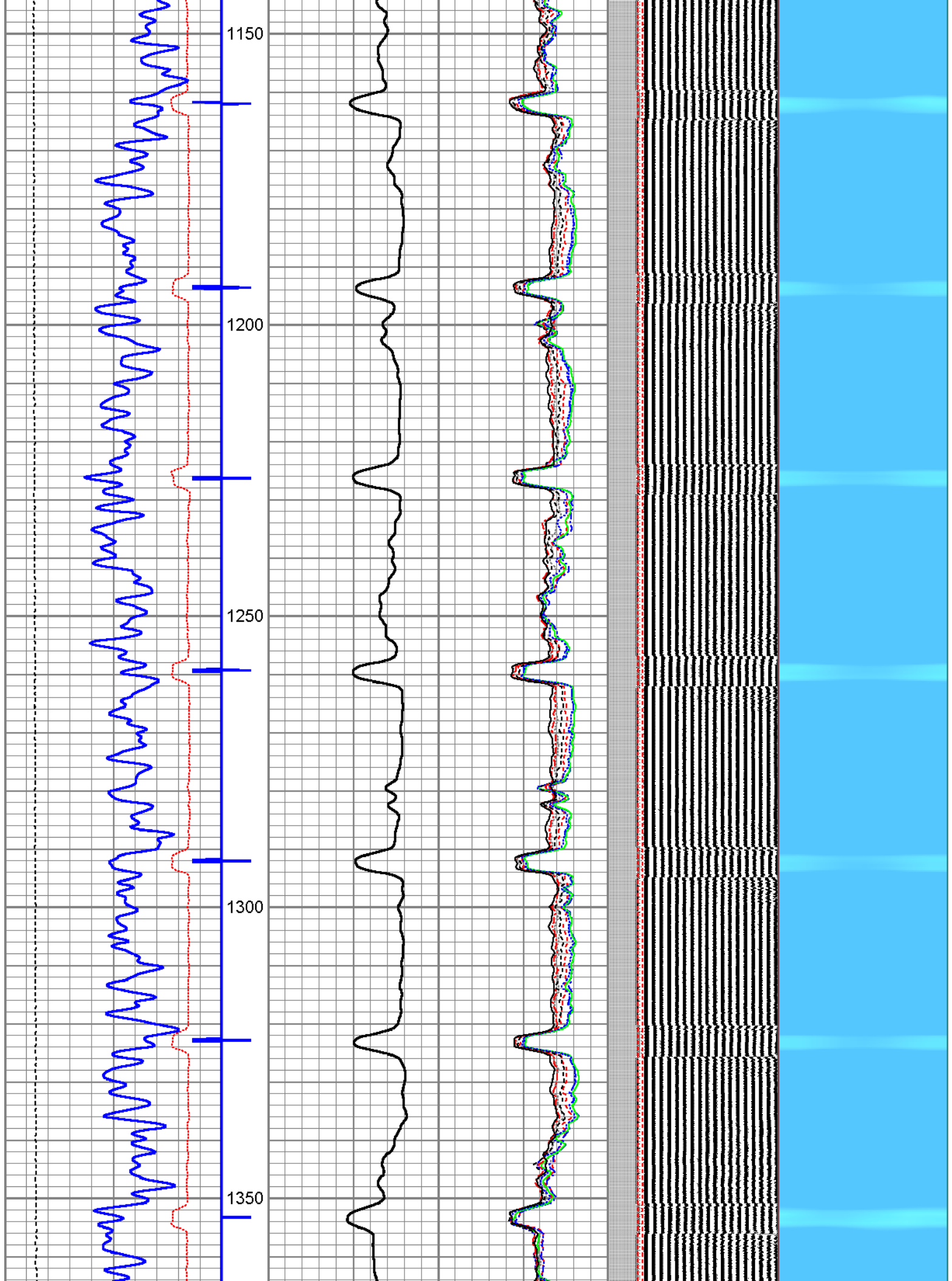


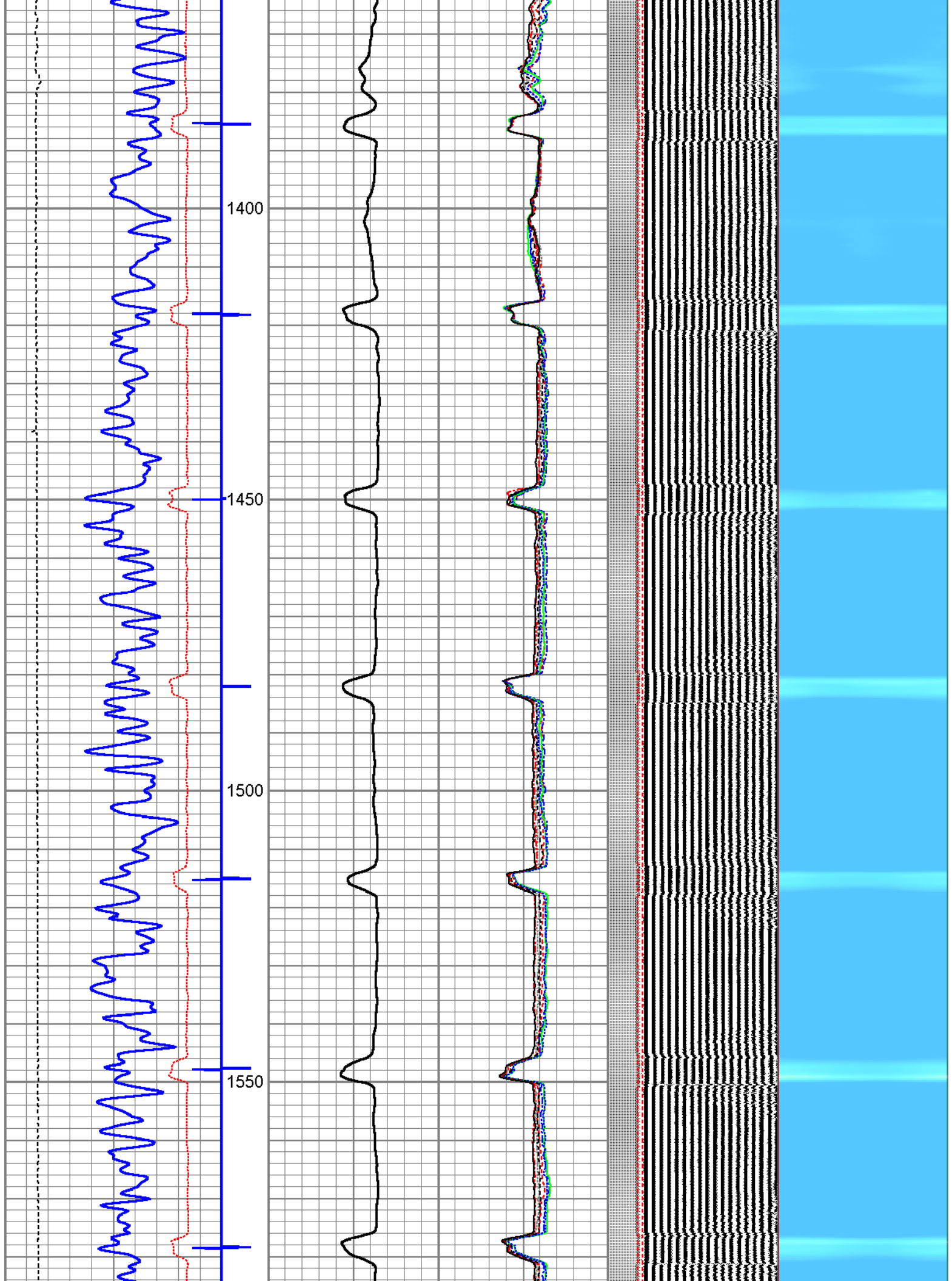


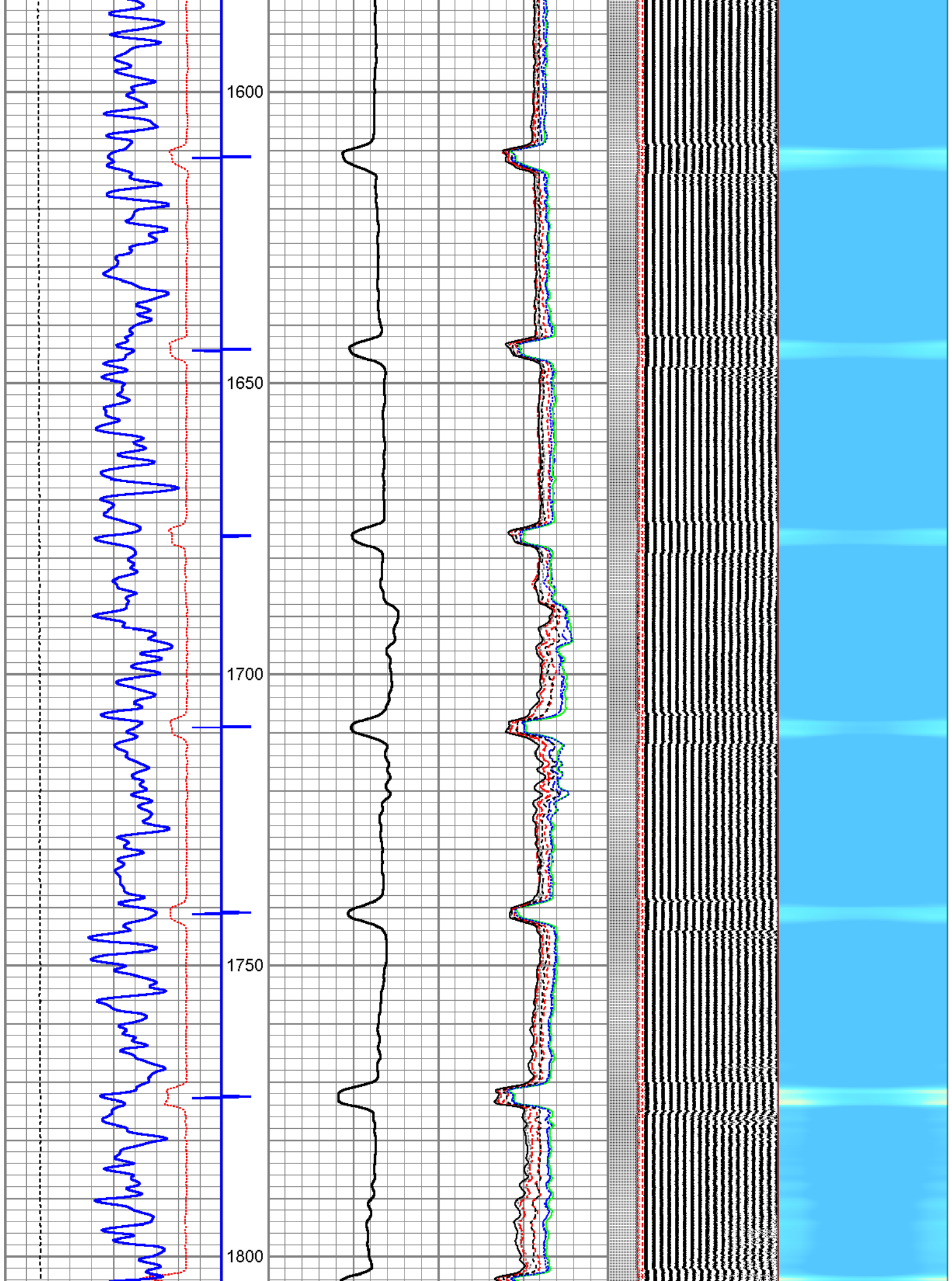


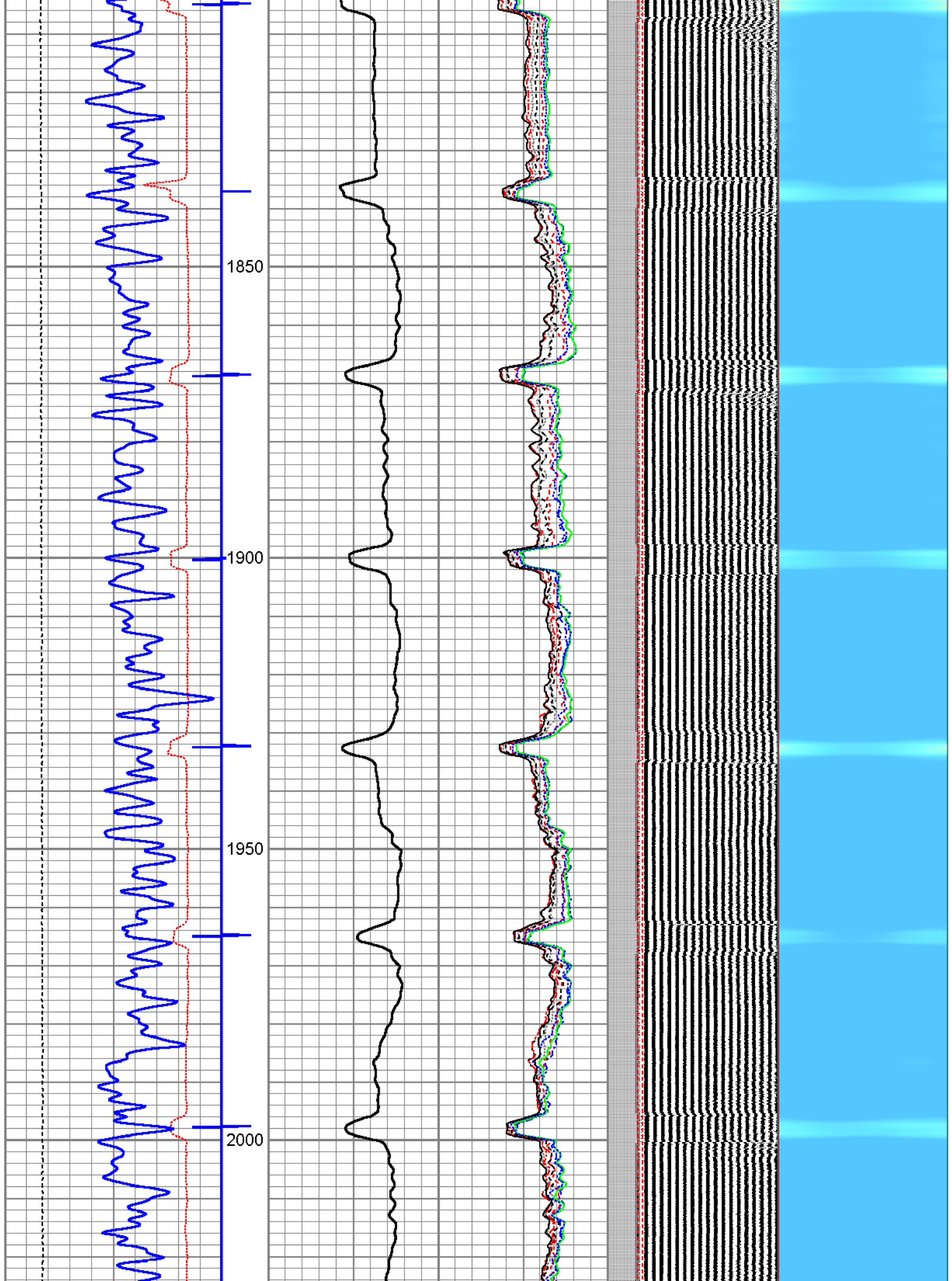


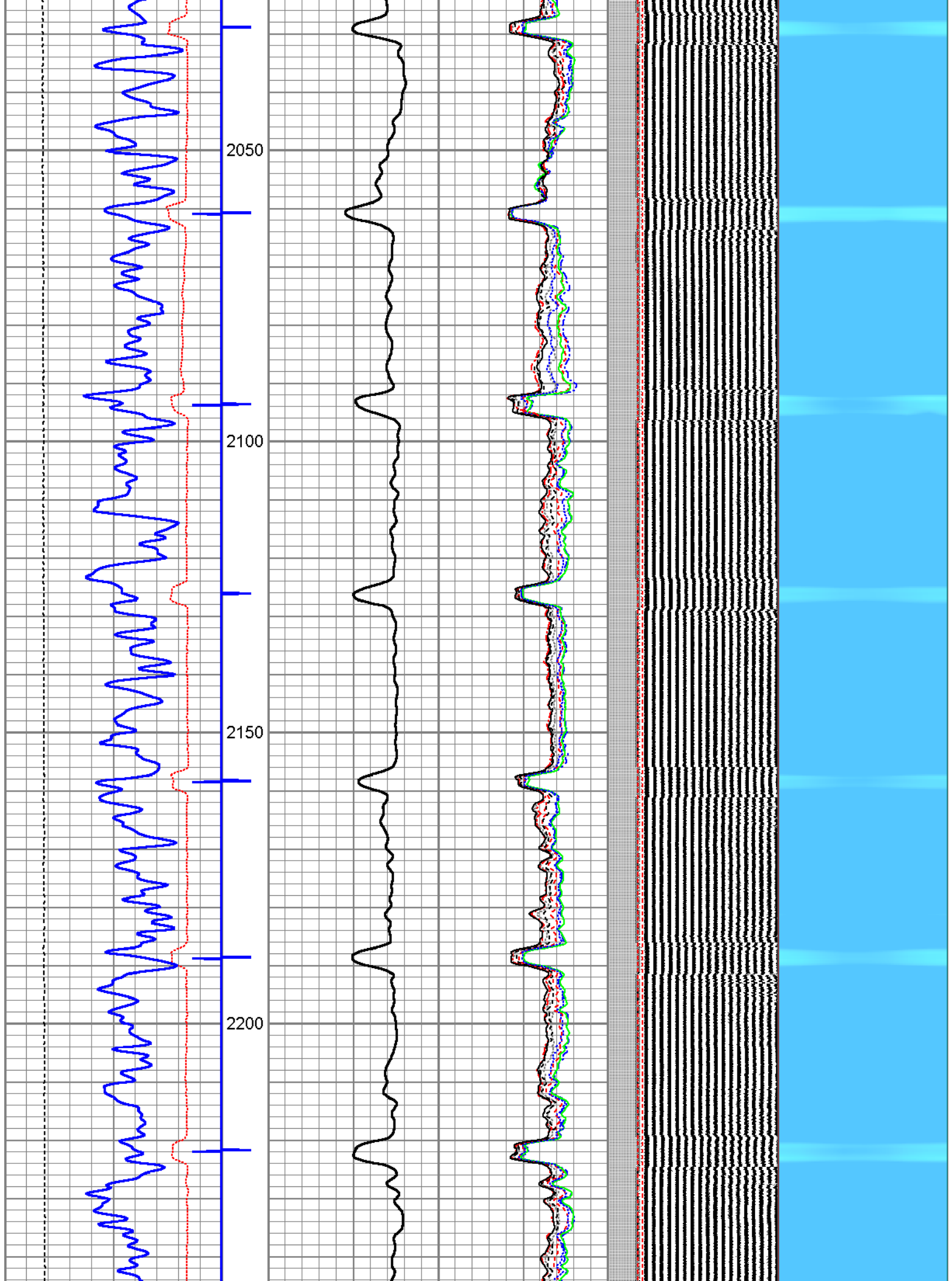


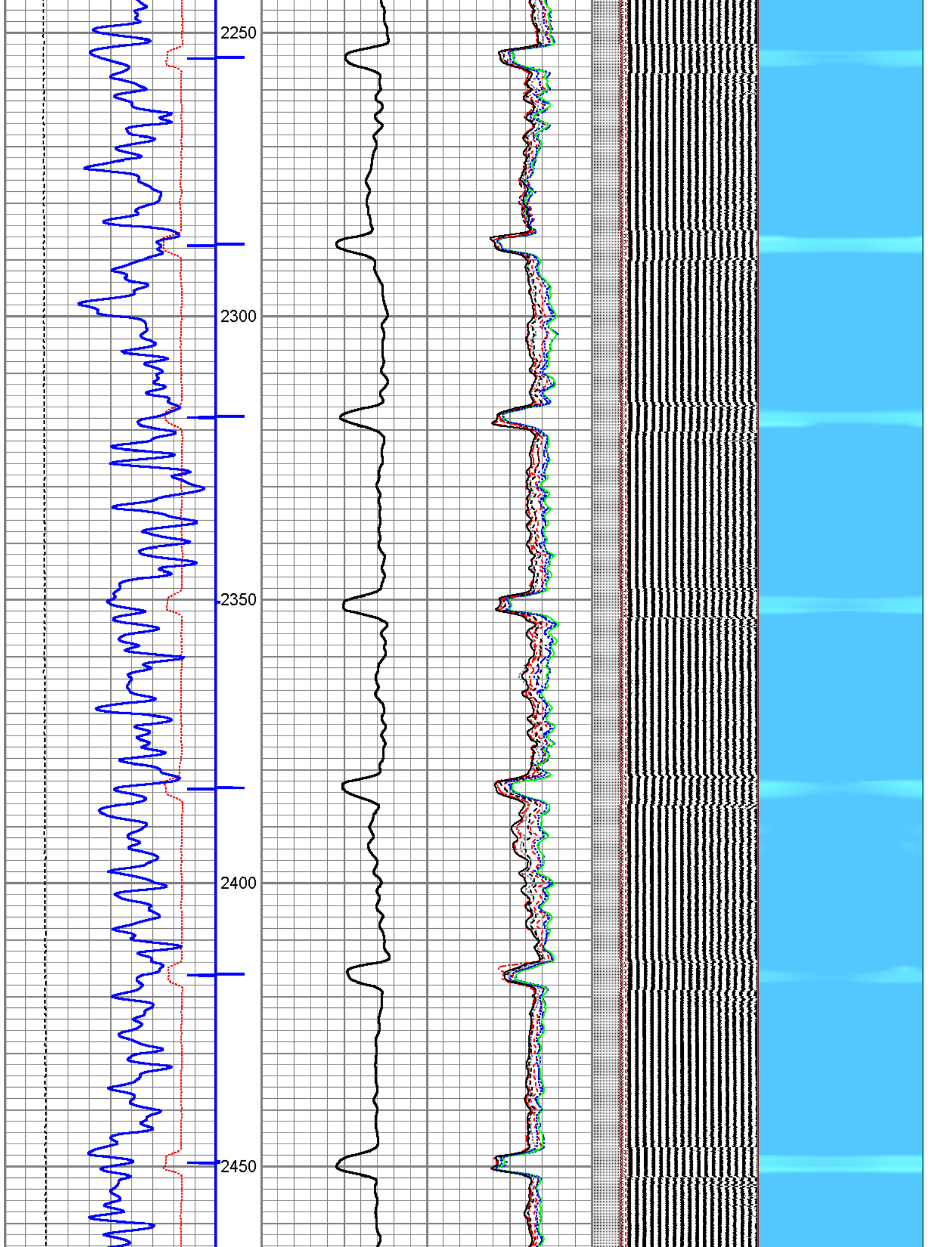


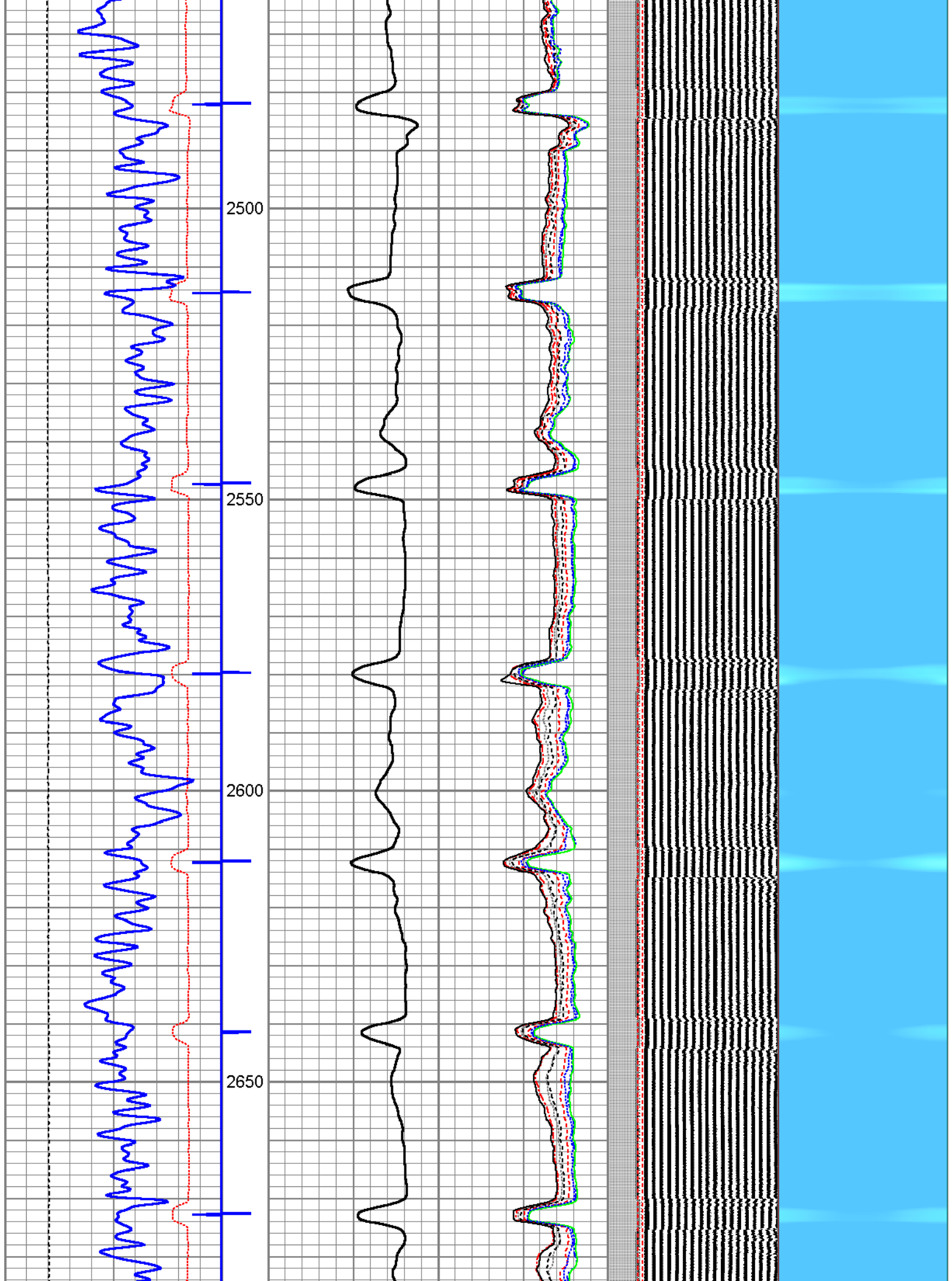


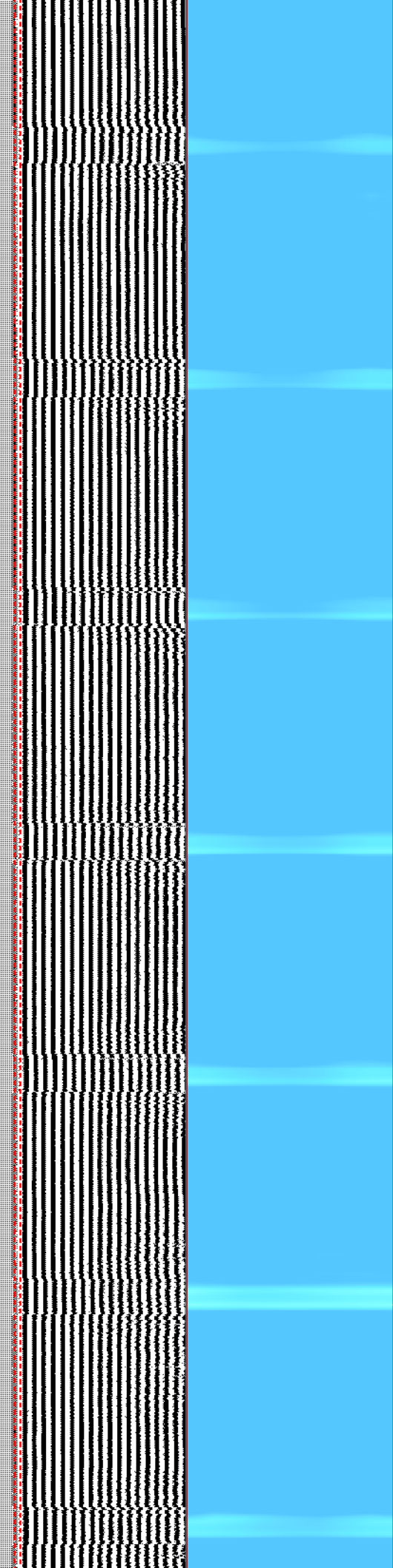
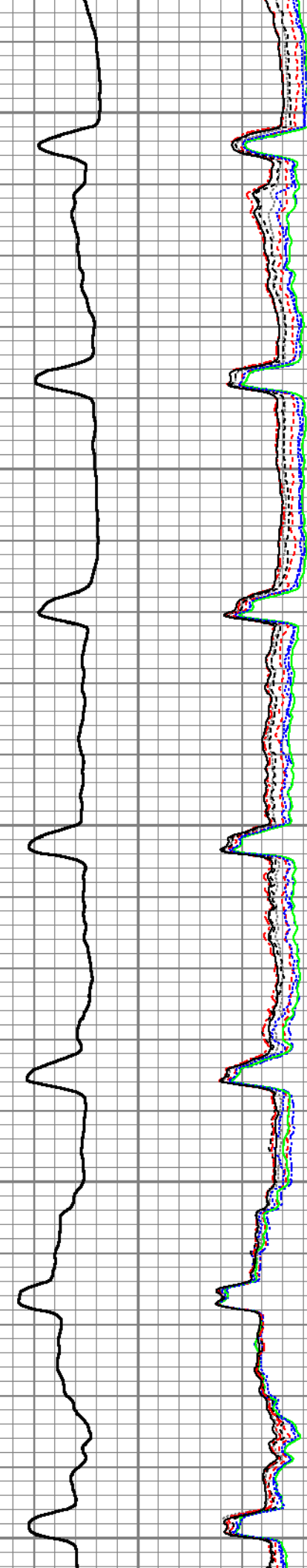
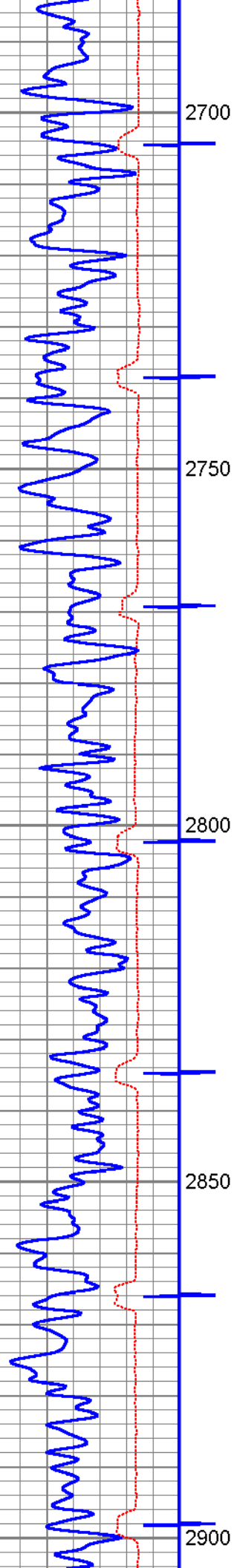


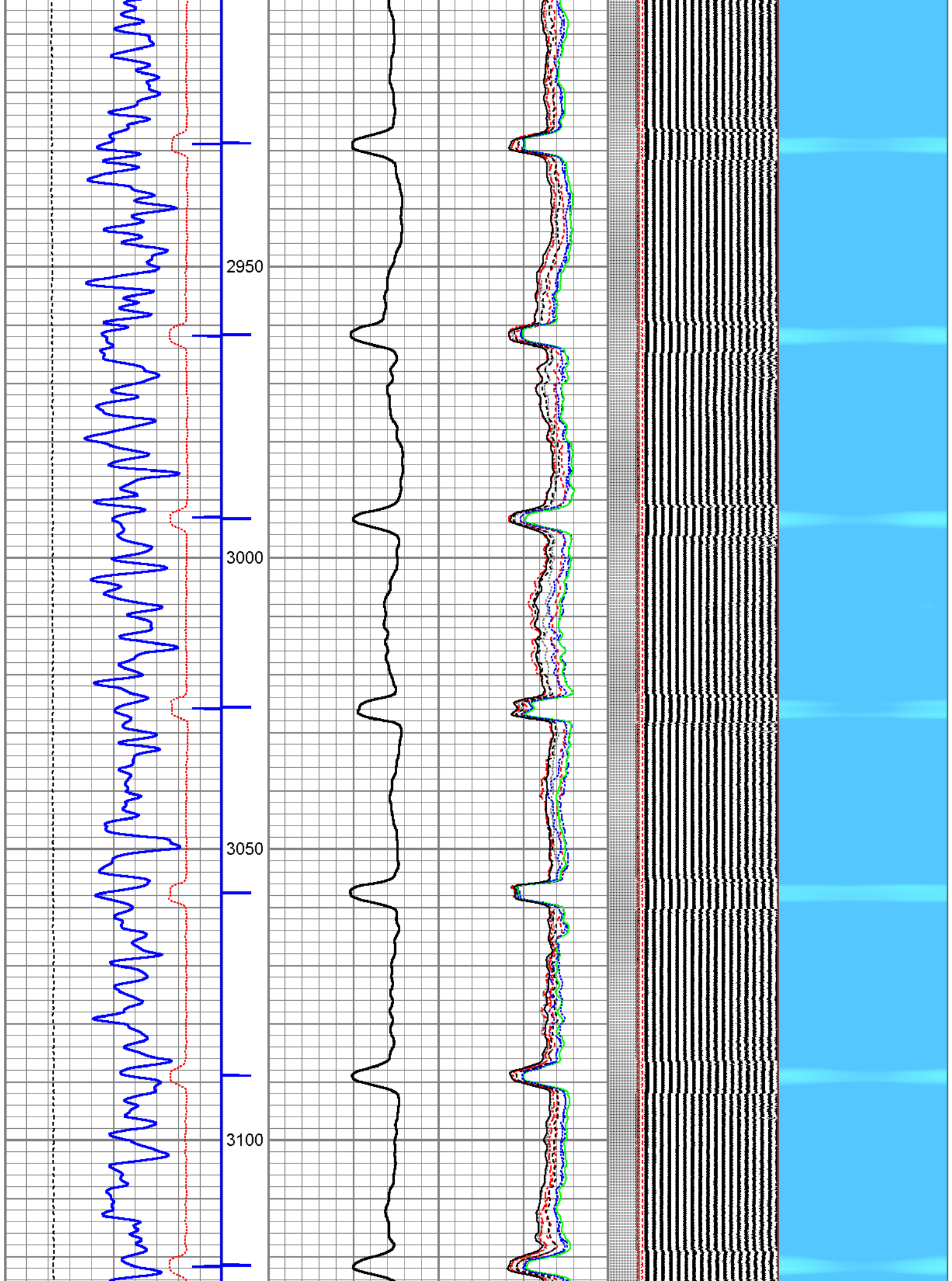


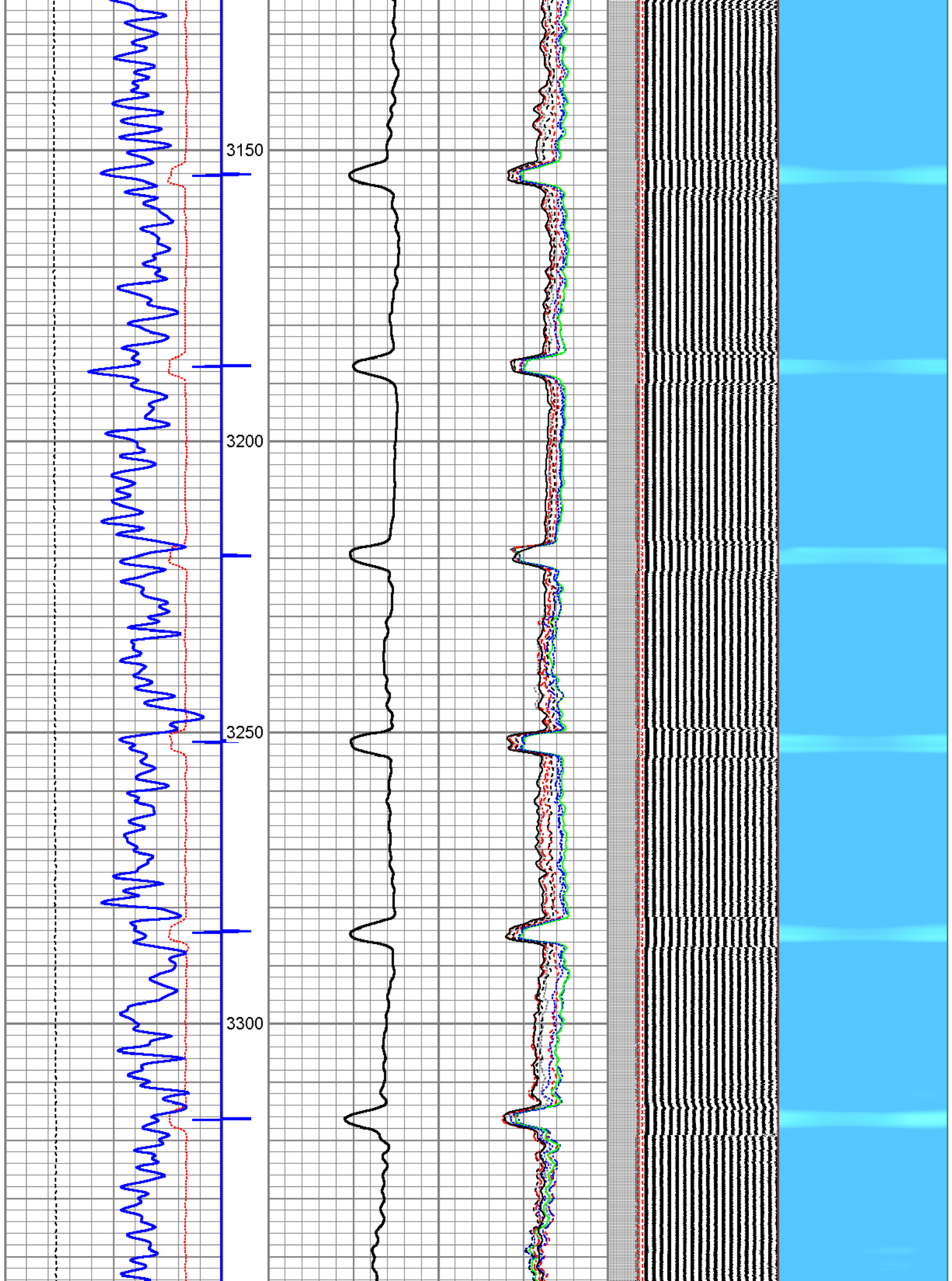


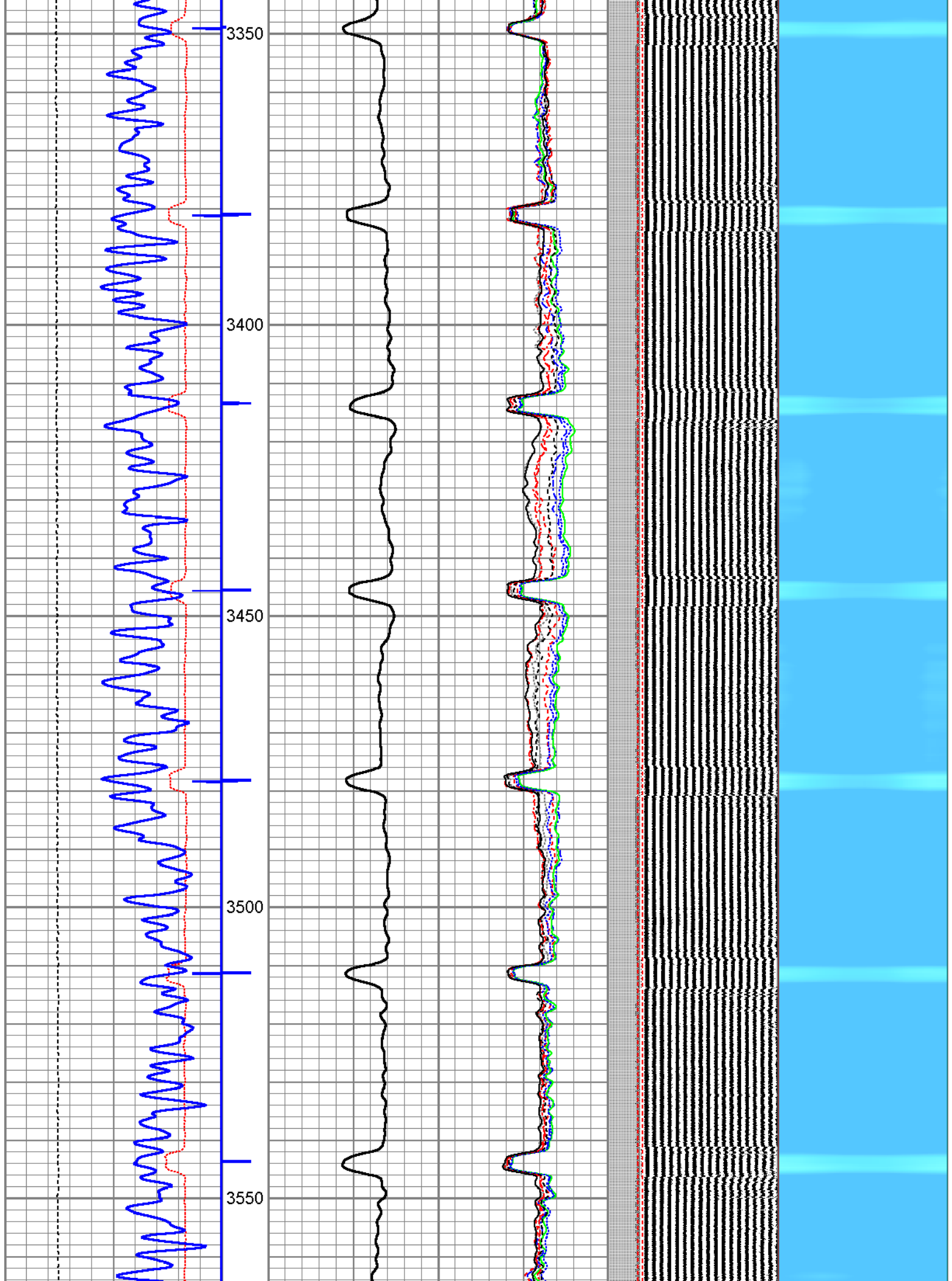


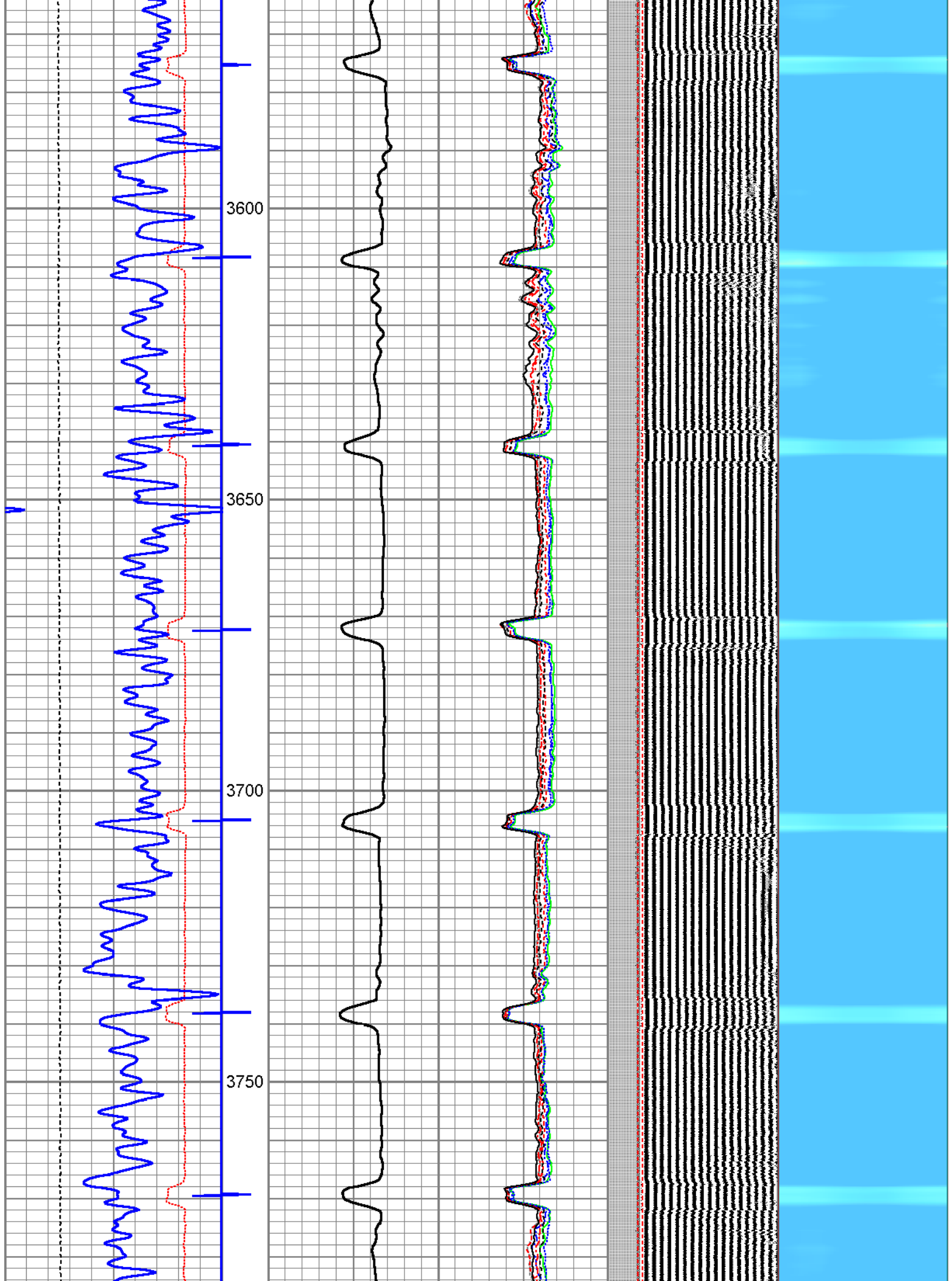


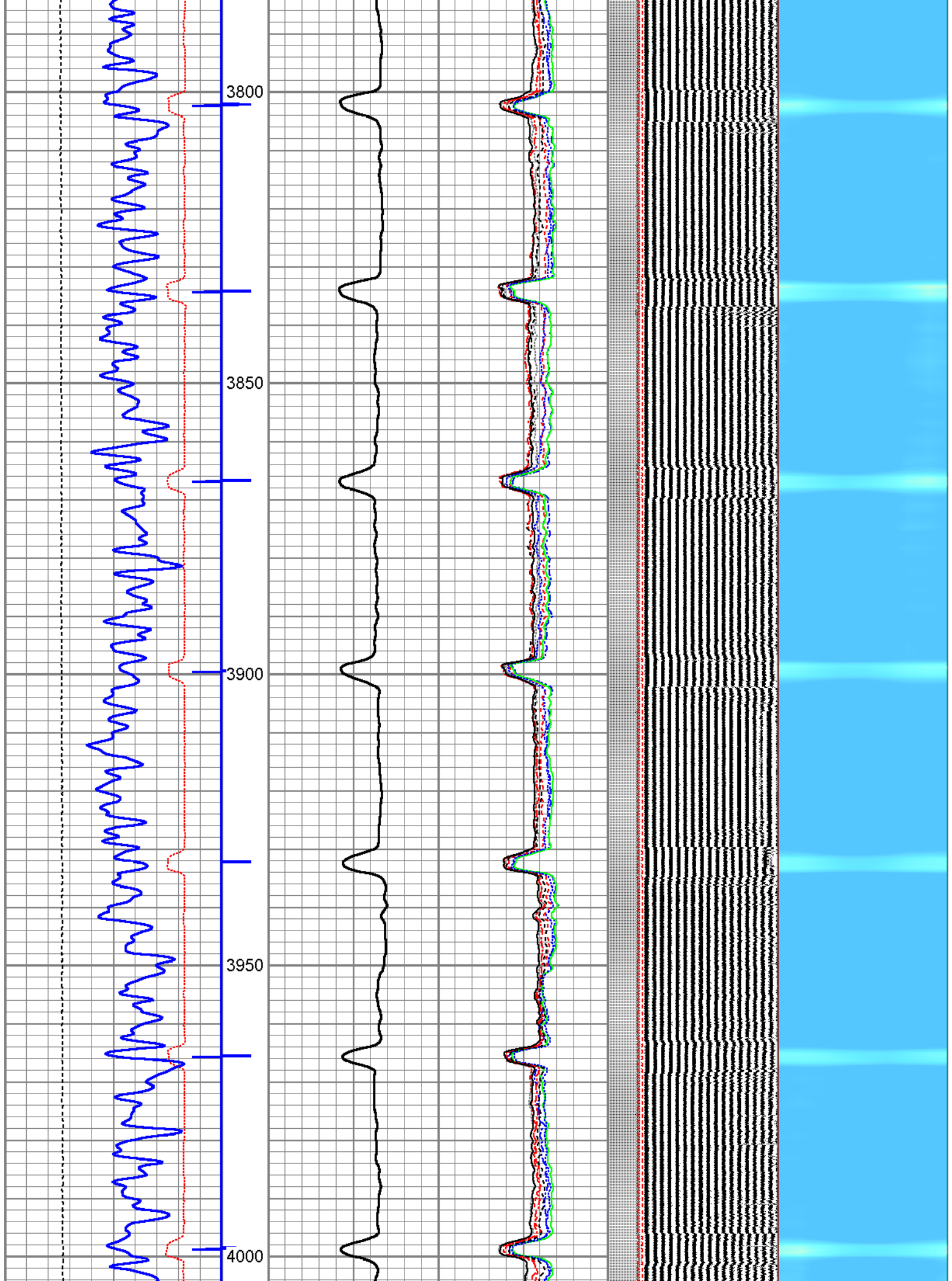


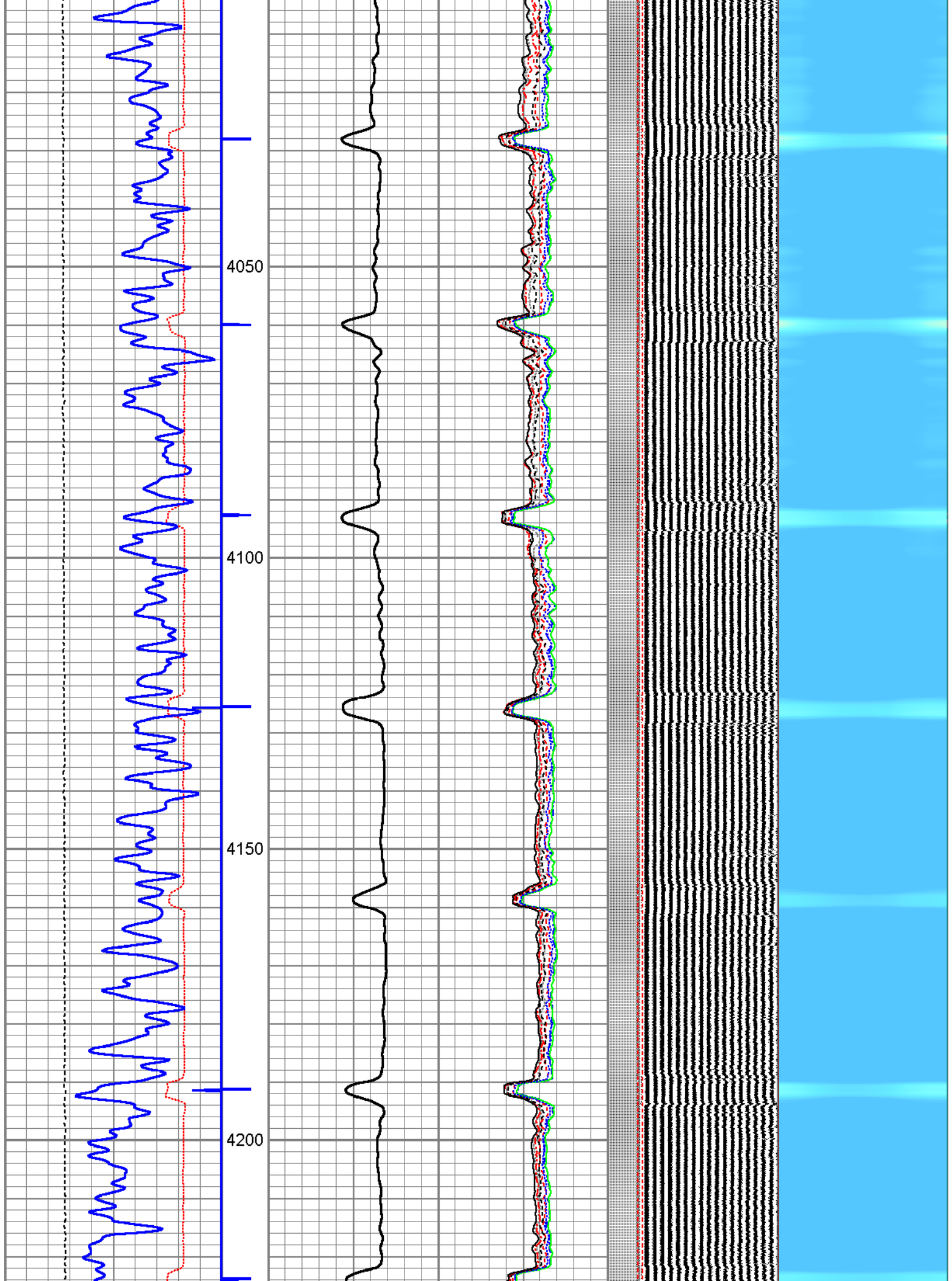


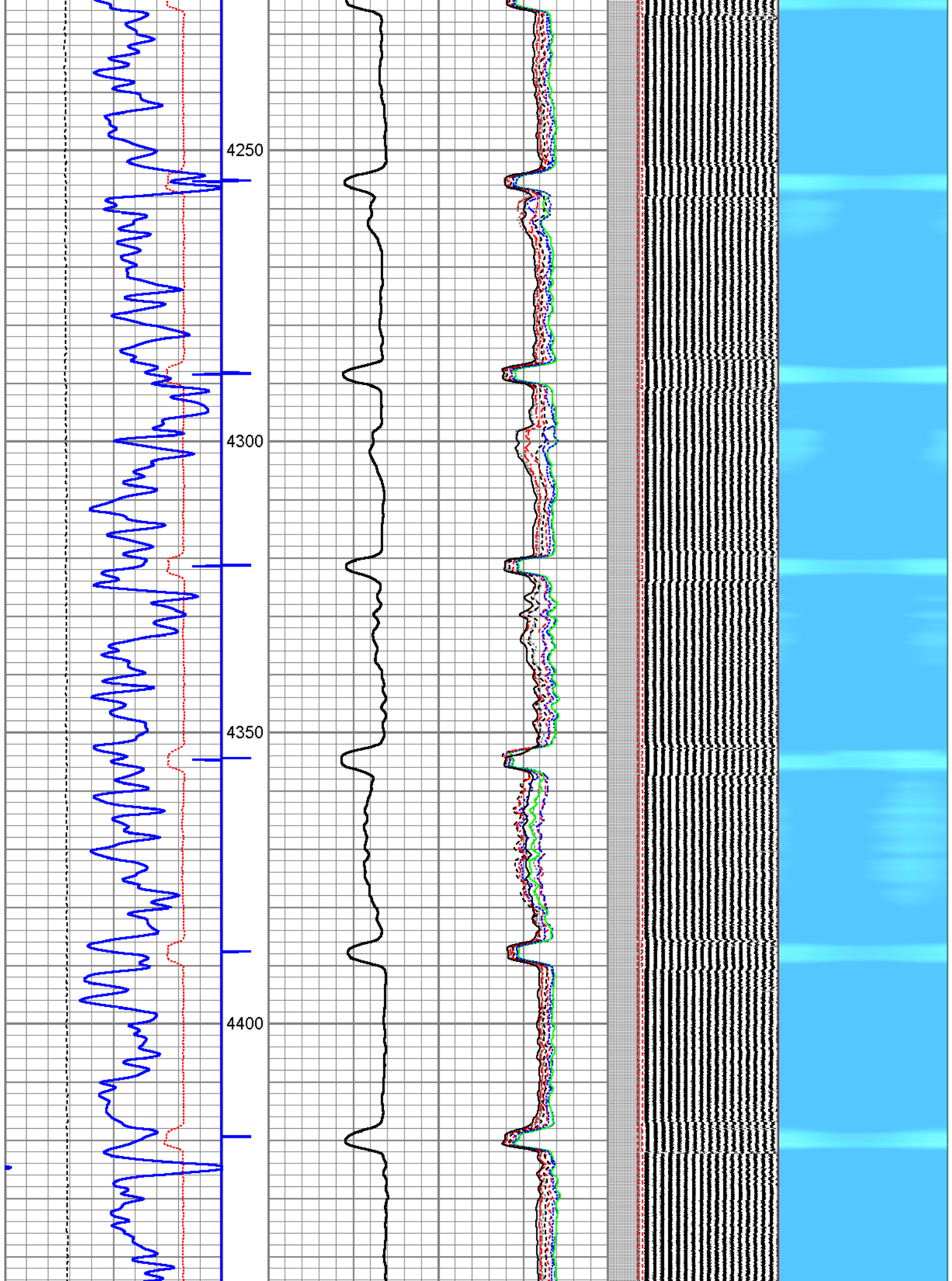


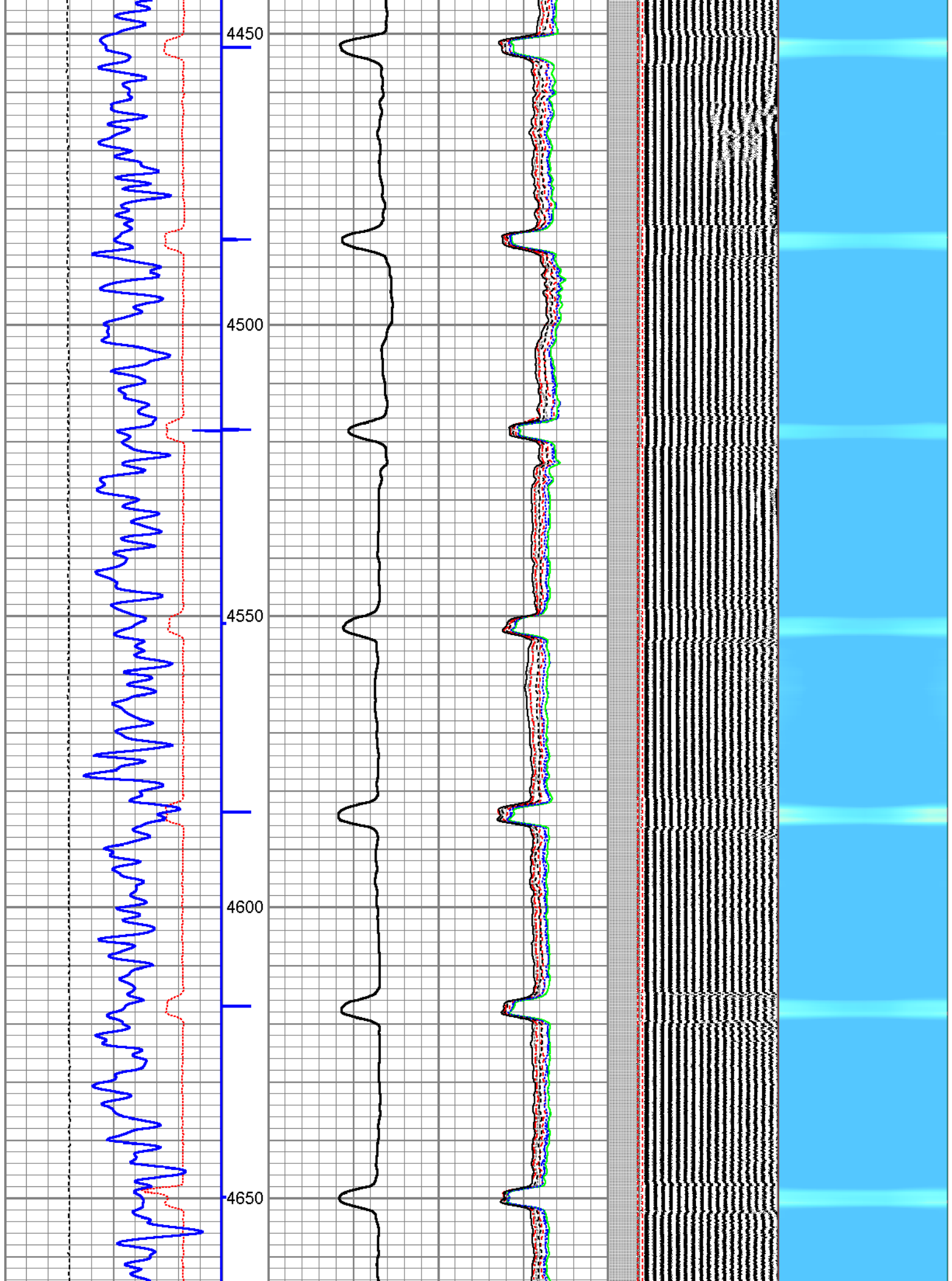


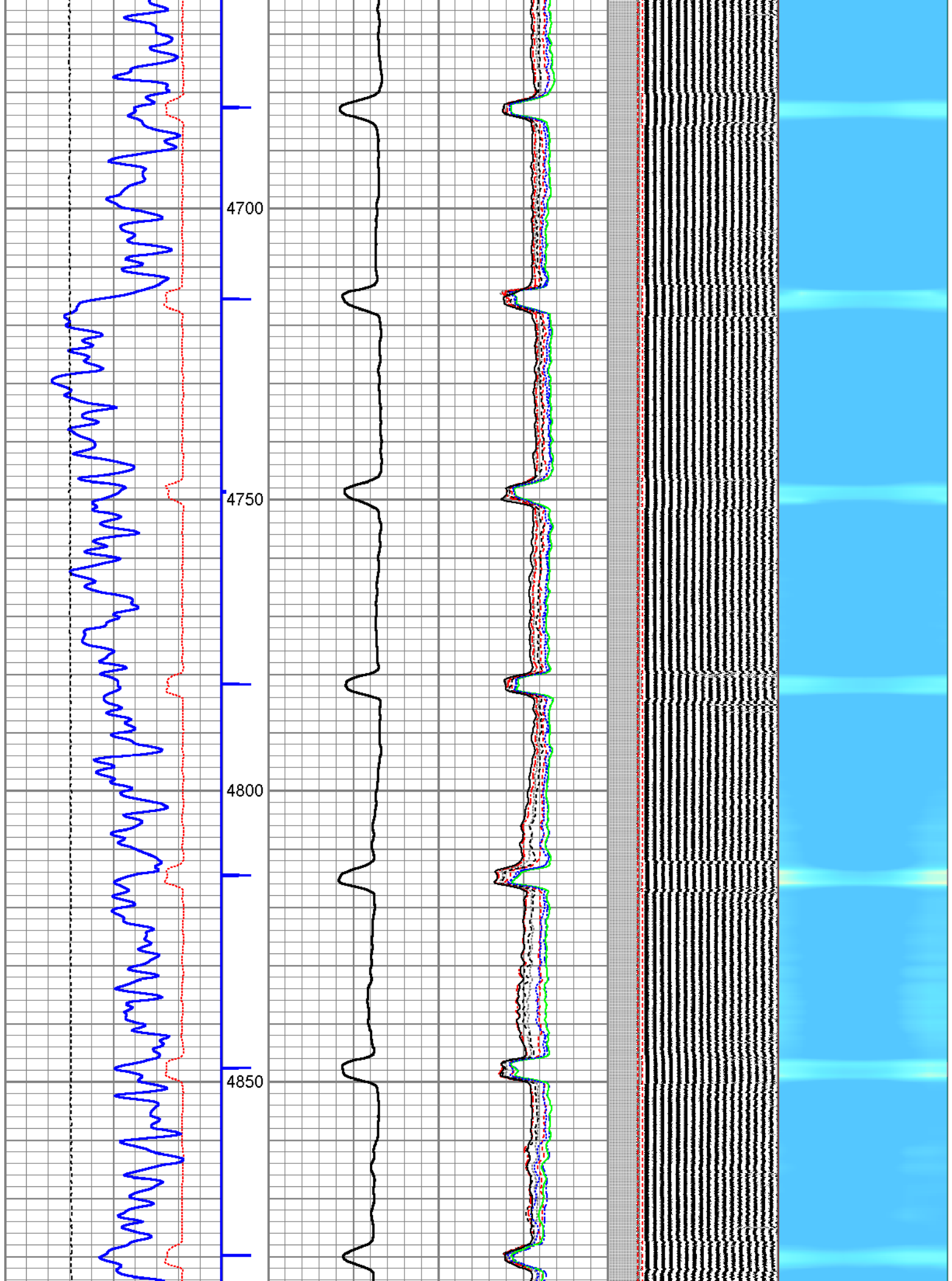


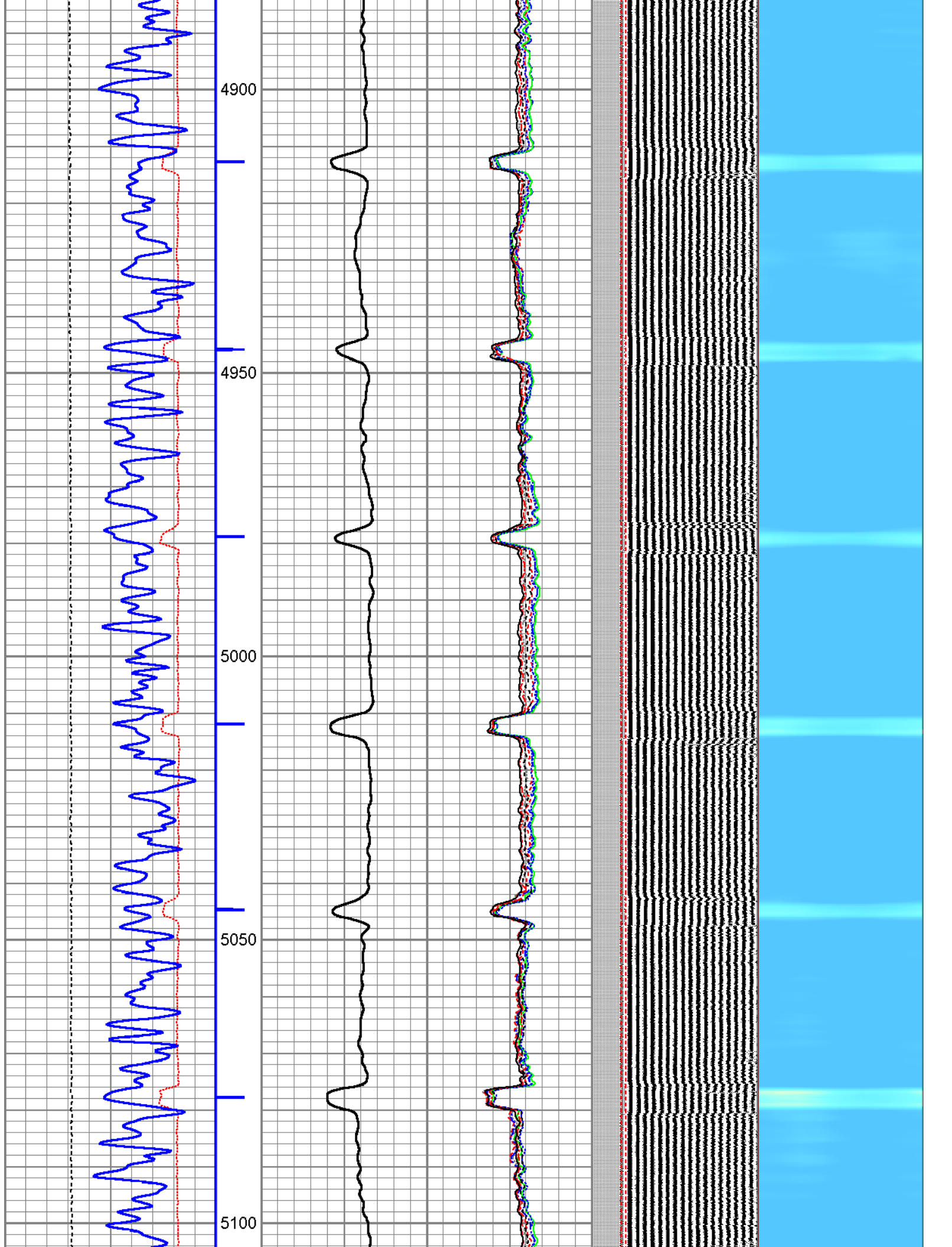


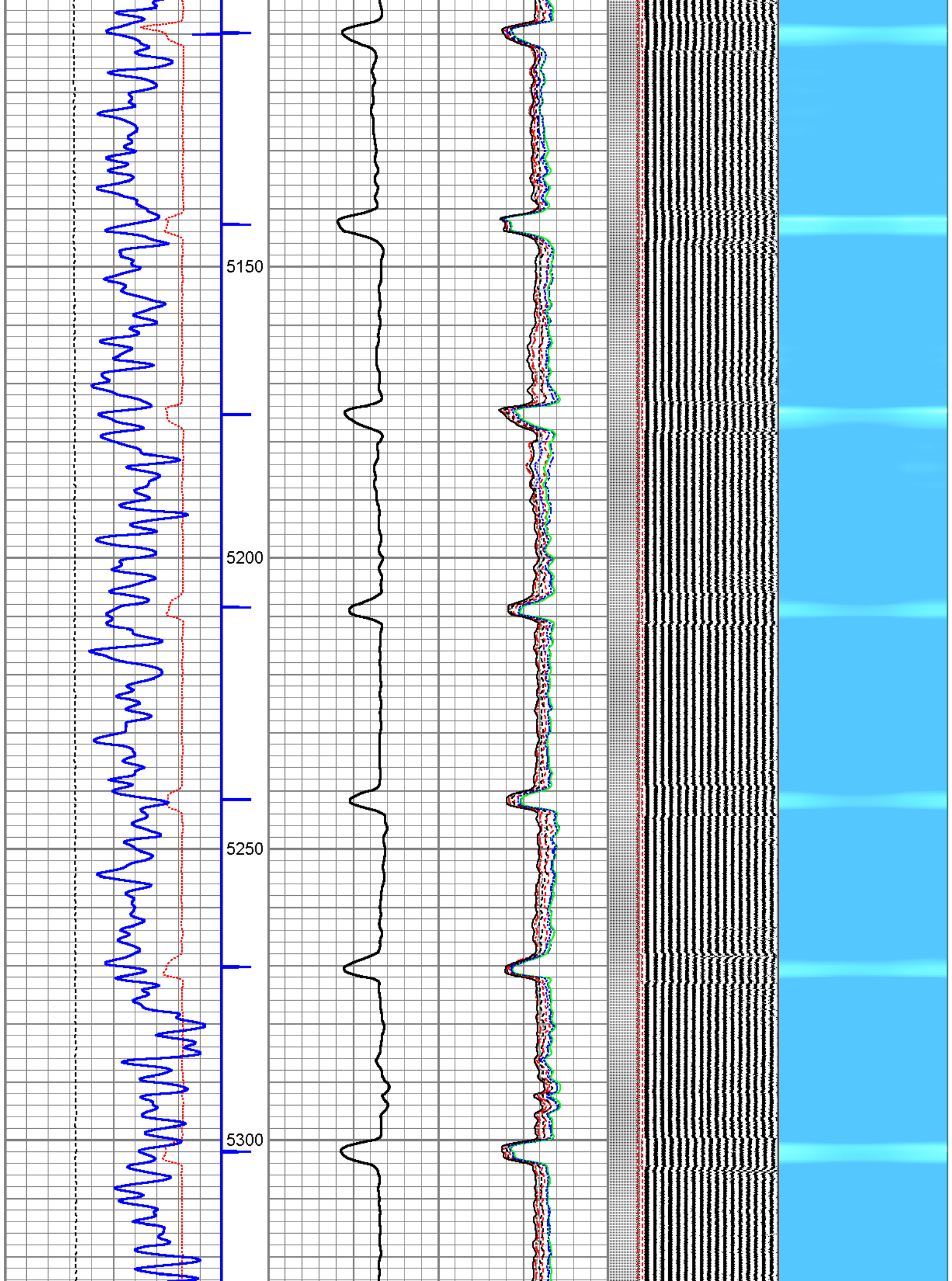


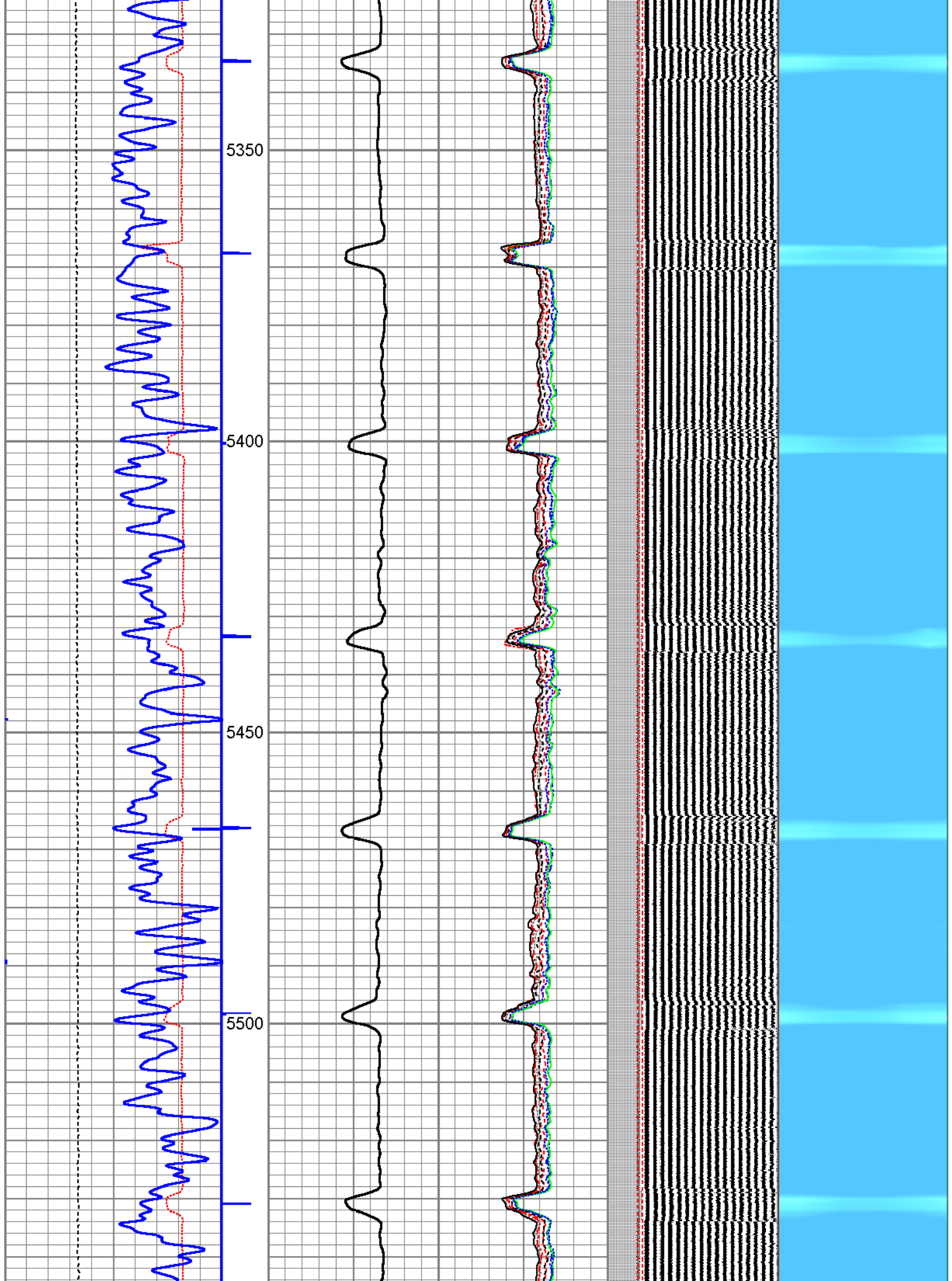


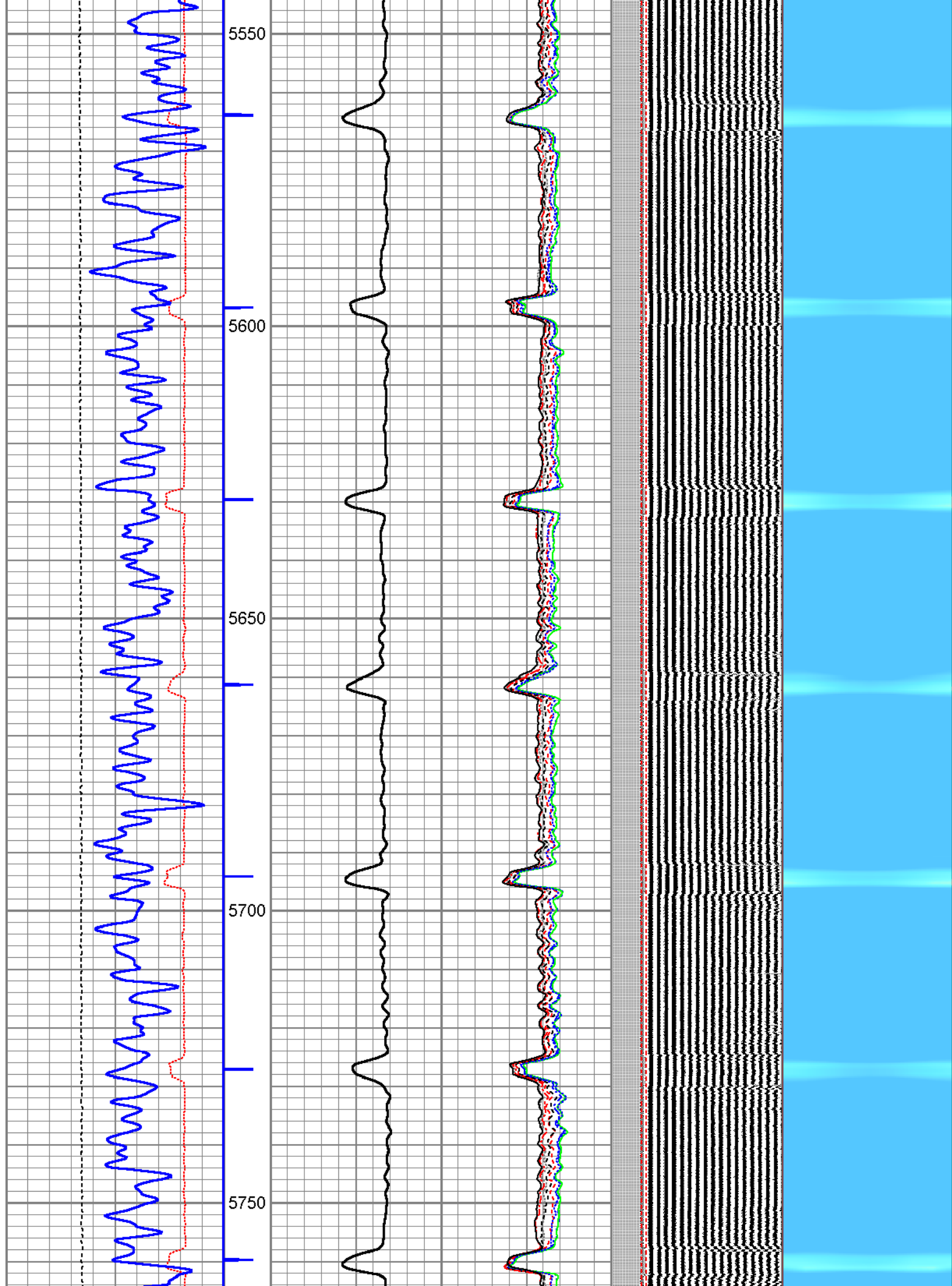


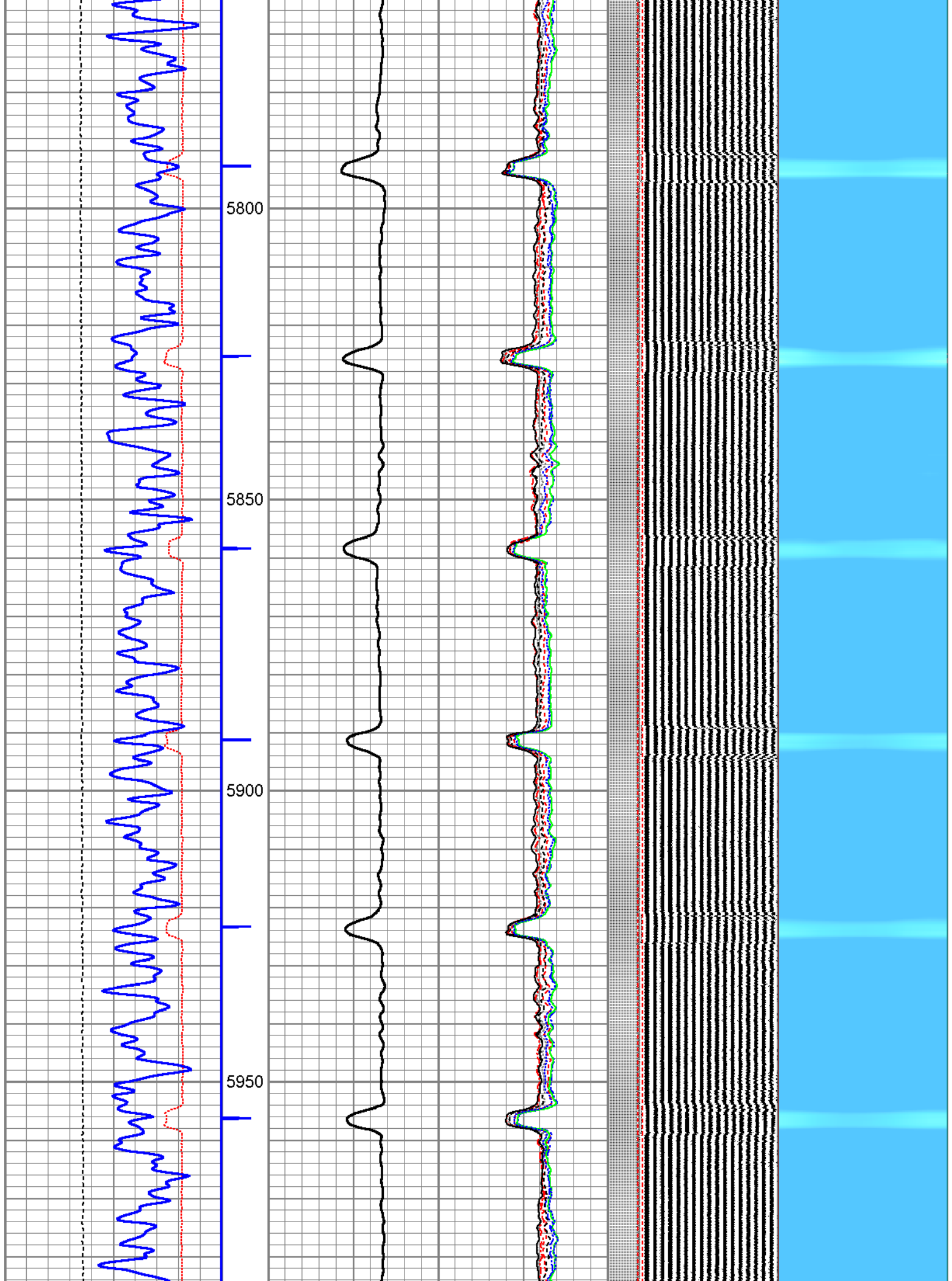


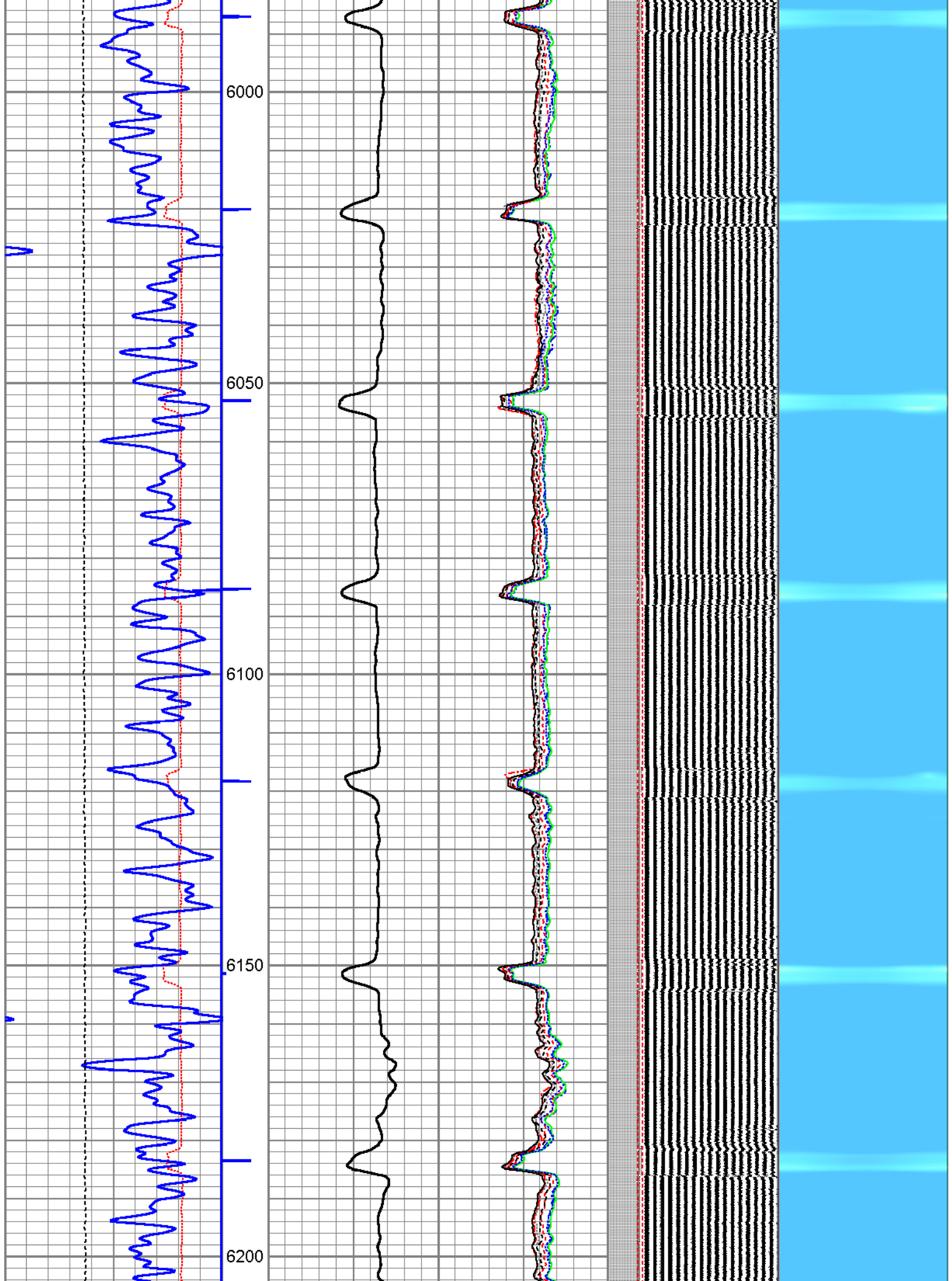


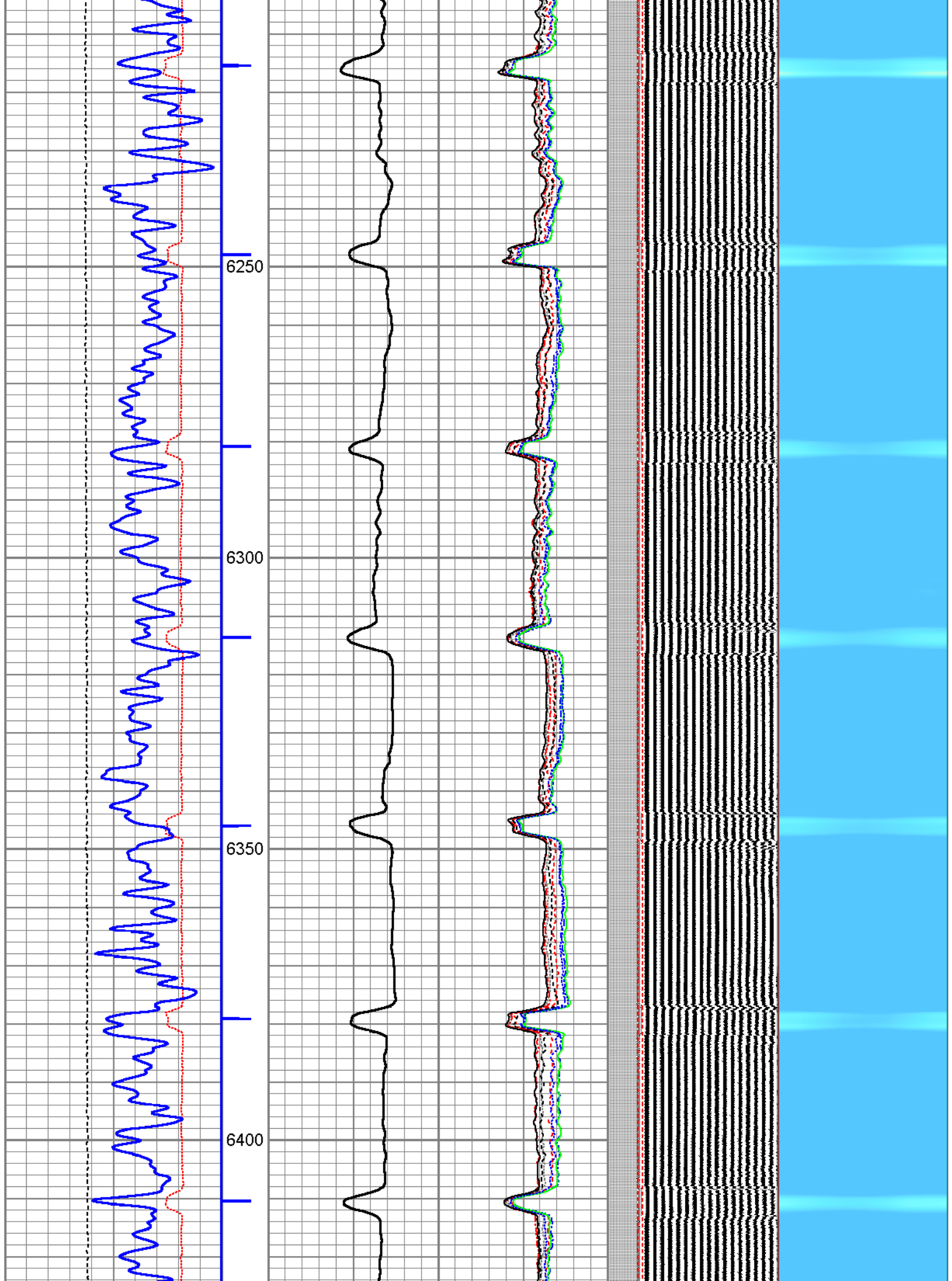


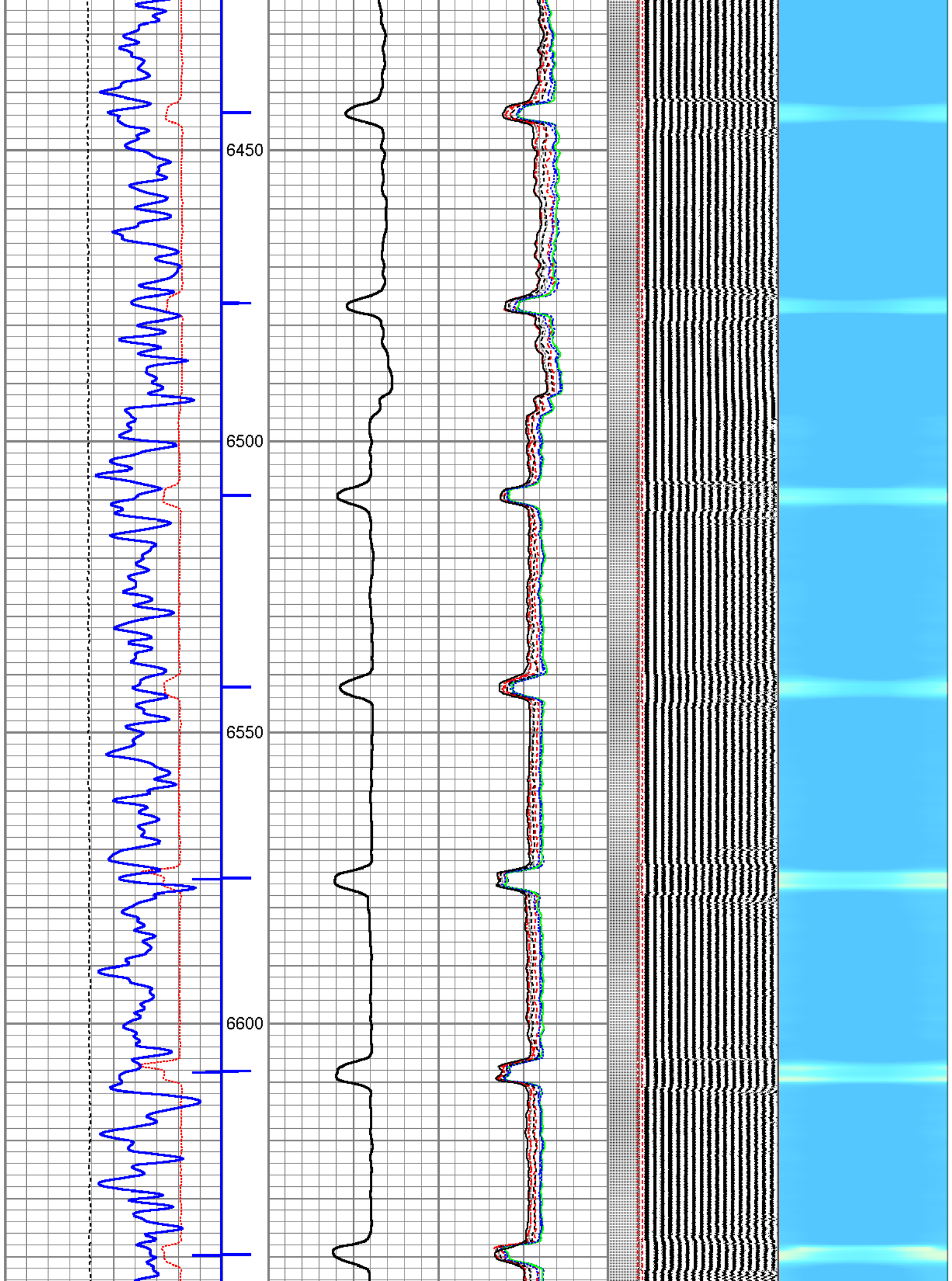


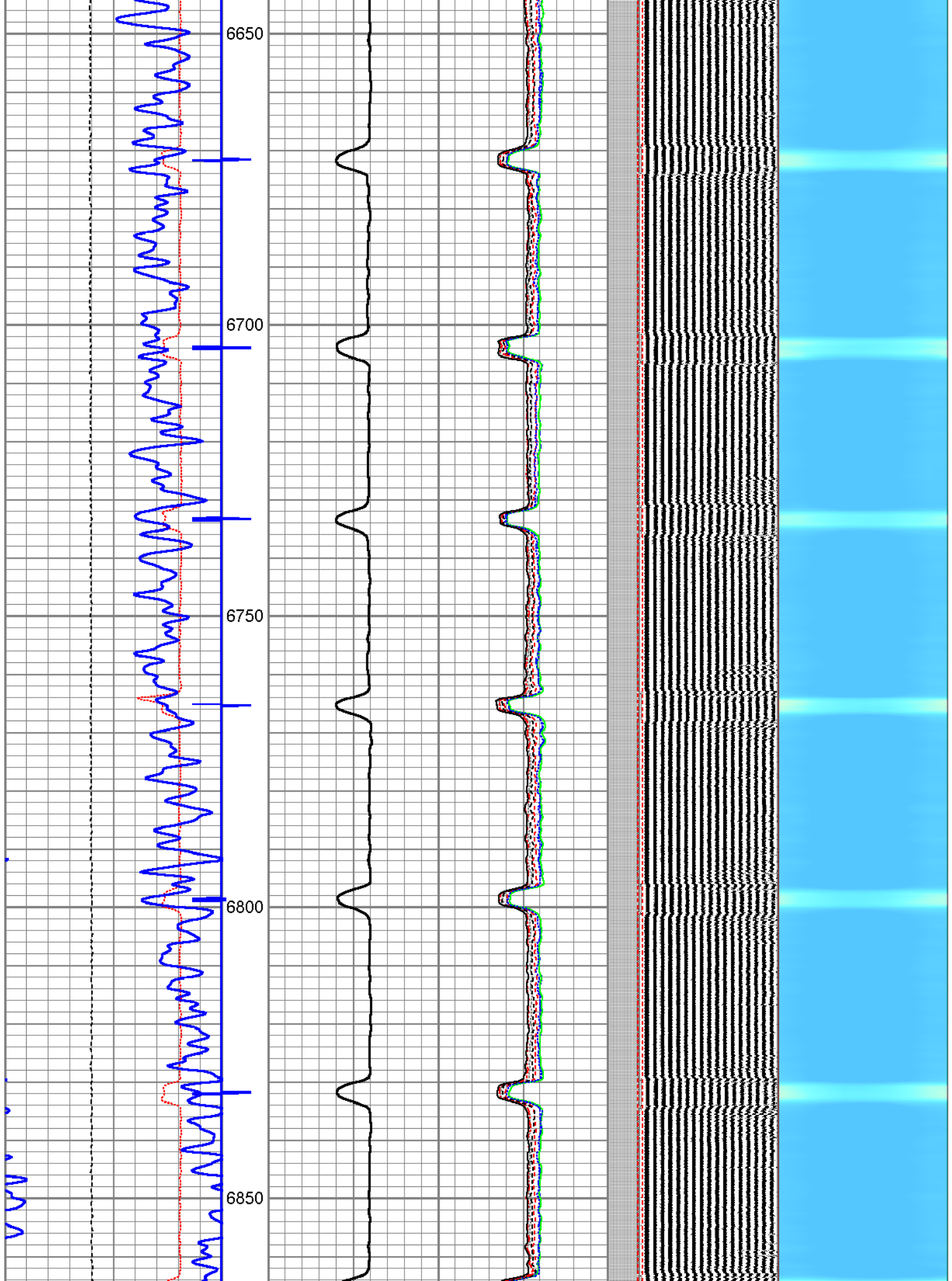


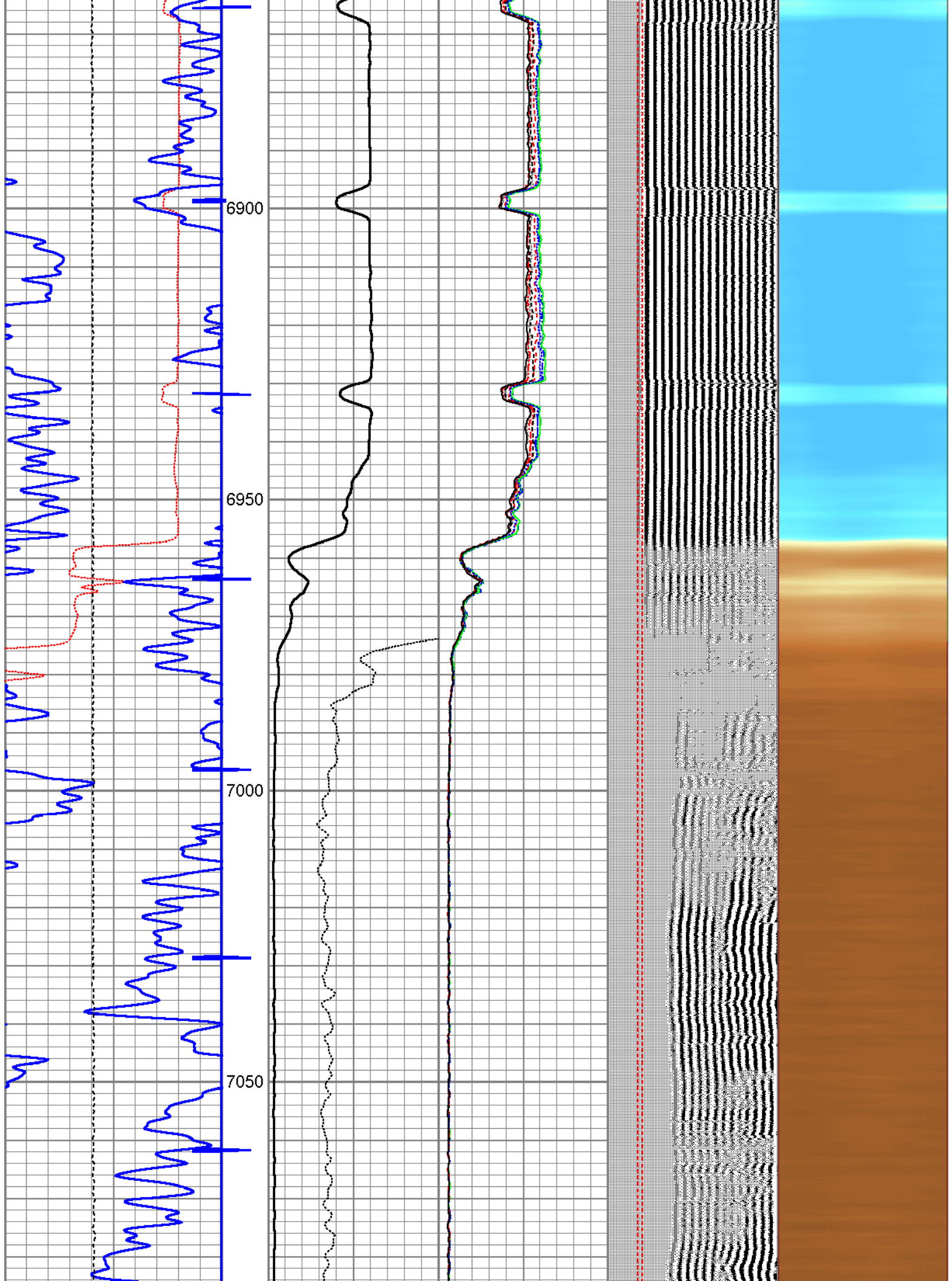


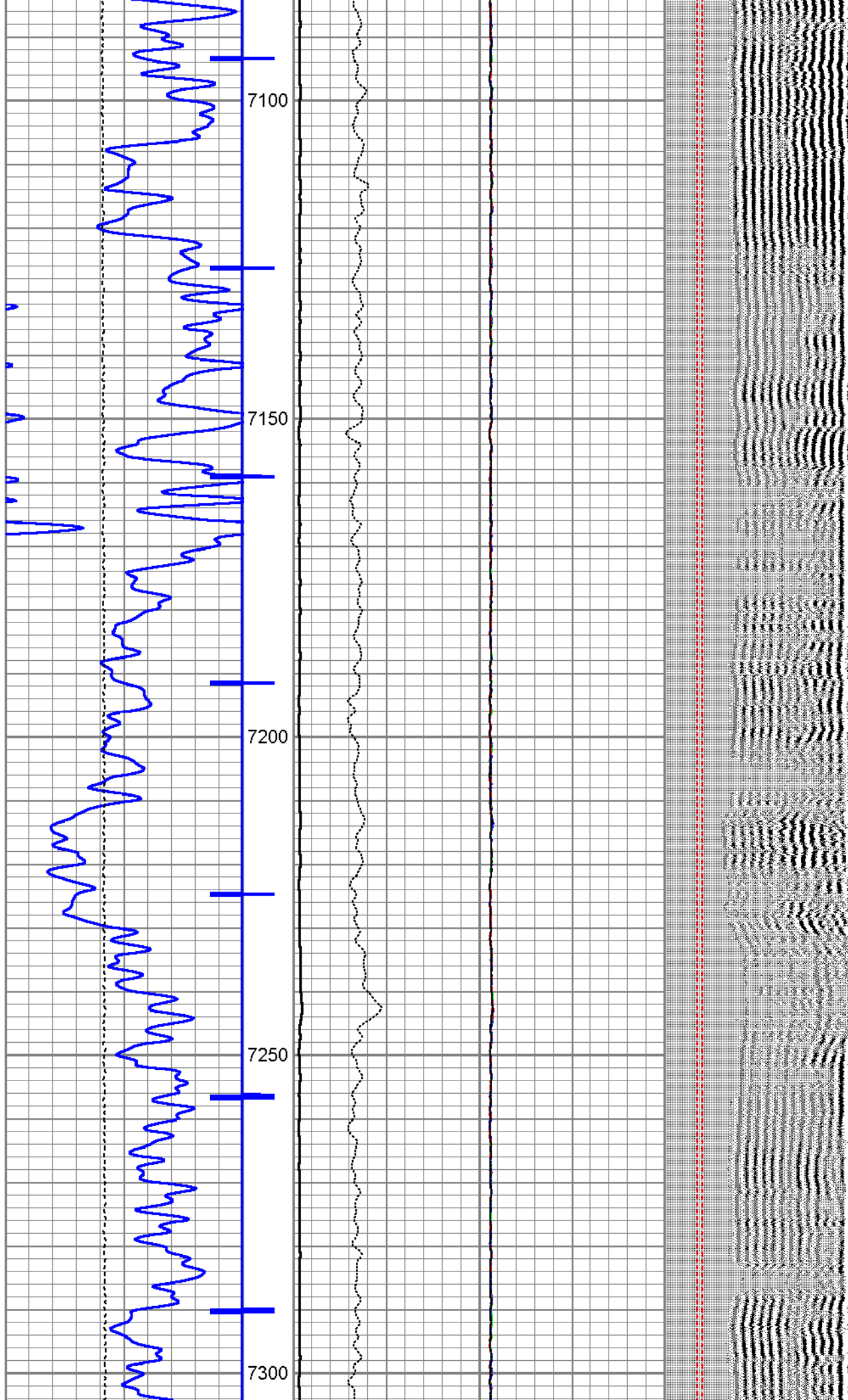


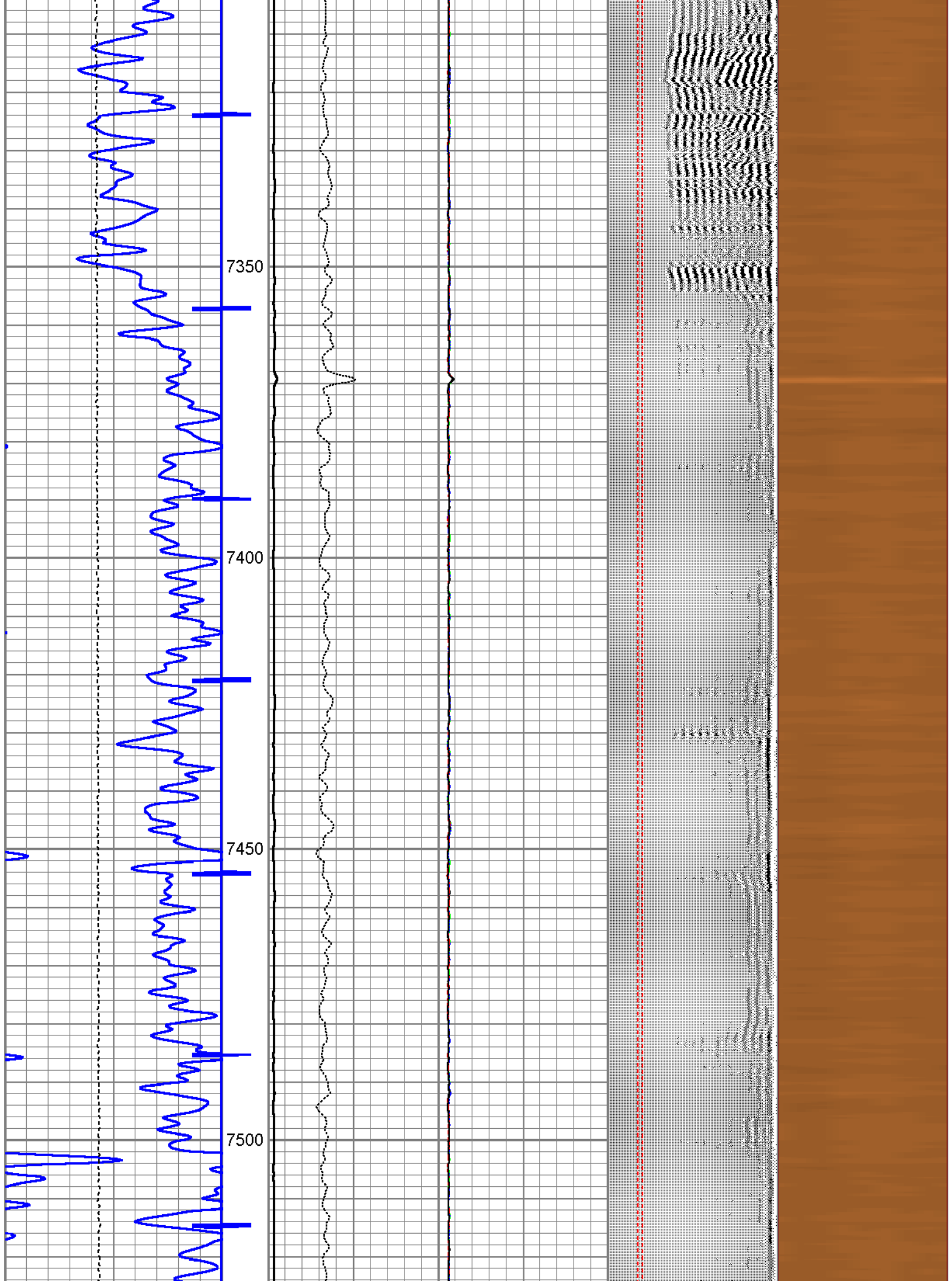


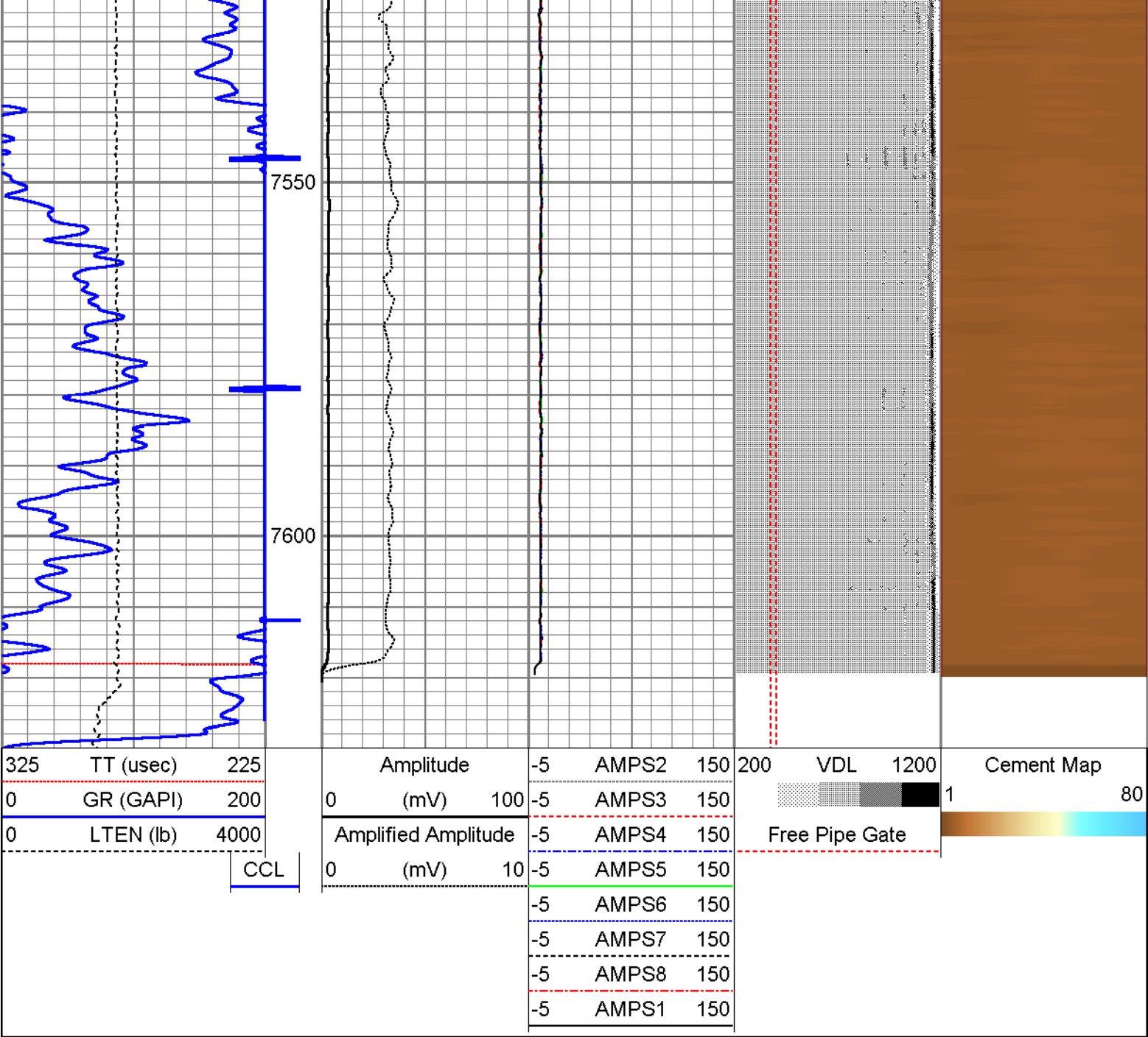












Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00
			Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00

TEMP	13.79				
WVF3FT	11.65		RBT-RBT-TEMP (FW1403-64) Probe 2.75" Radii Bond w/Temp Tool	9.17	2.75
WVFCAL	11.65				
WVFS1	11.65				
WVFS2	11.65				
WVFS3	11.65				
WVFS4	11.65				
WVFS5	11.65				
WVFS6	11.65				
WVFS7	11.65				
WVFS8	11.65				
WVF5FT	10.65				
			Probe Probe 2 3/4 Centralizer	2.88	2.75
CCL	3.67				
ACCX	2.00		GR_INC-Gamma_Incl_275 (FW1212-94) Probe 2 3/4 Gamma Ray CCL Inclinator	4.58	2.75
ACCY	2.00				
ACCZ	2.00				
GR	0.83				
Dataset: odenbaugh_cull_ut-1.db: field/well/run1/pass20.1 Total Length: 20.50 ft Total Weight: 205.00 lb O.D. 2.75 in					



Company	KERR-MCGEE OIL AND GAS
Well	ODENBAUGH CULL UT 1
Field	WATTENBERG
County	WELD
State	COLORADO