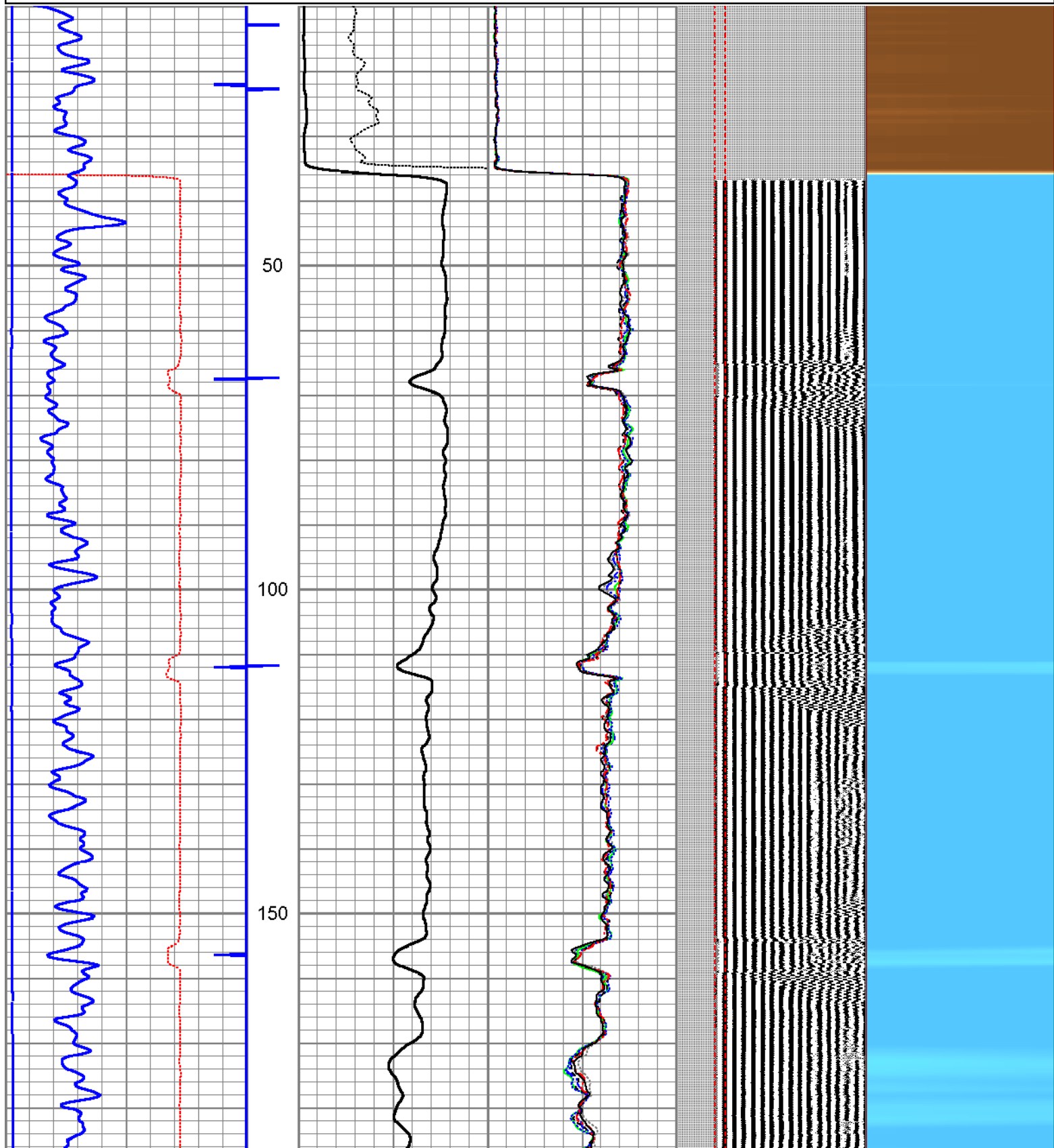
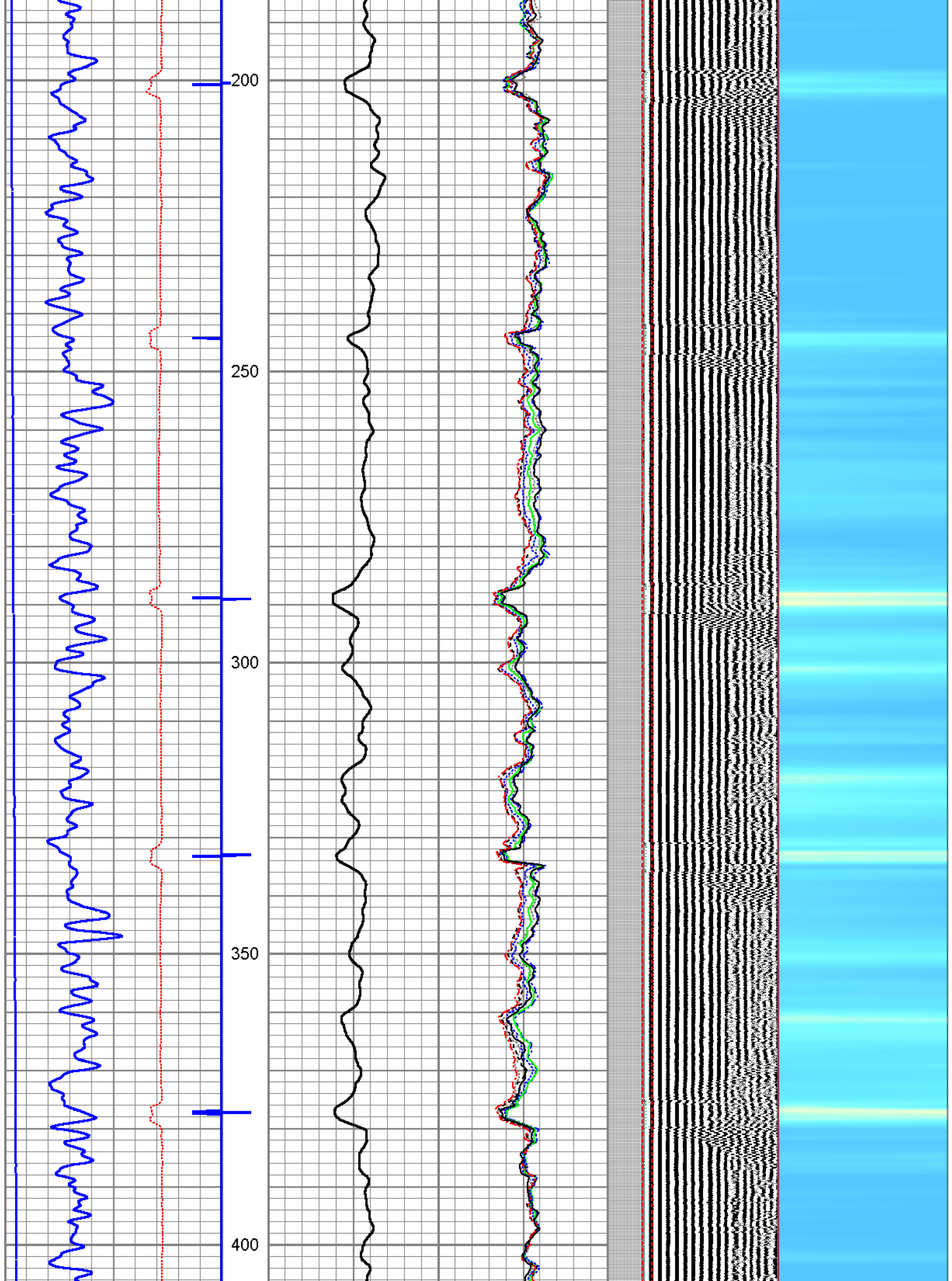


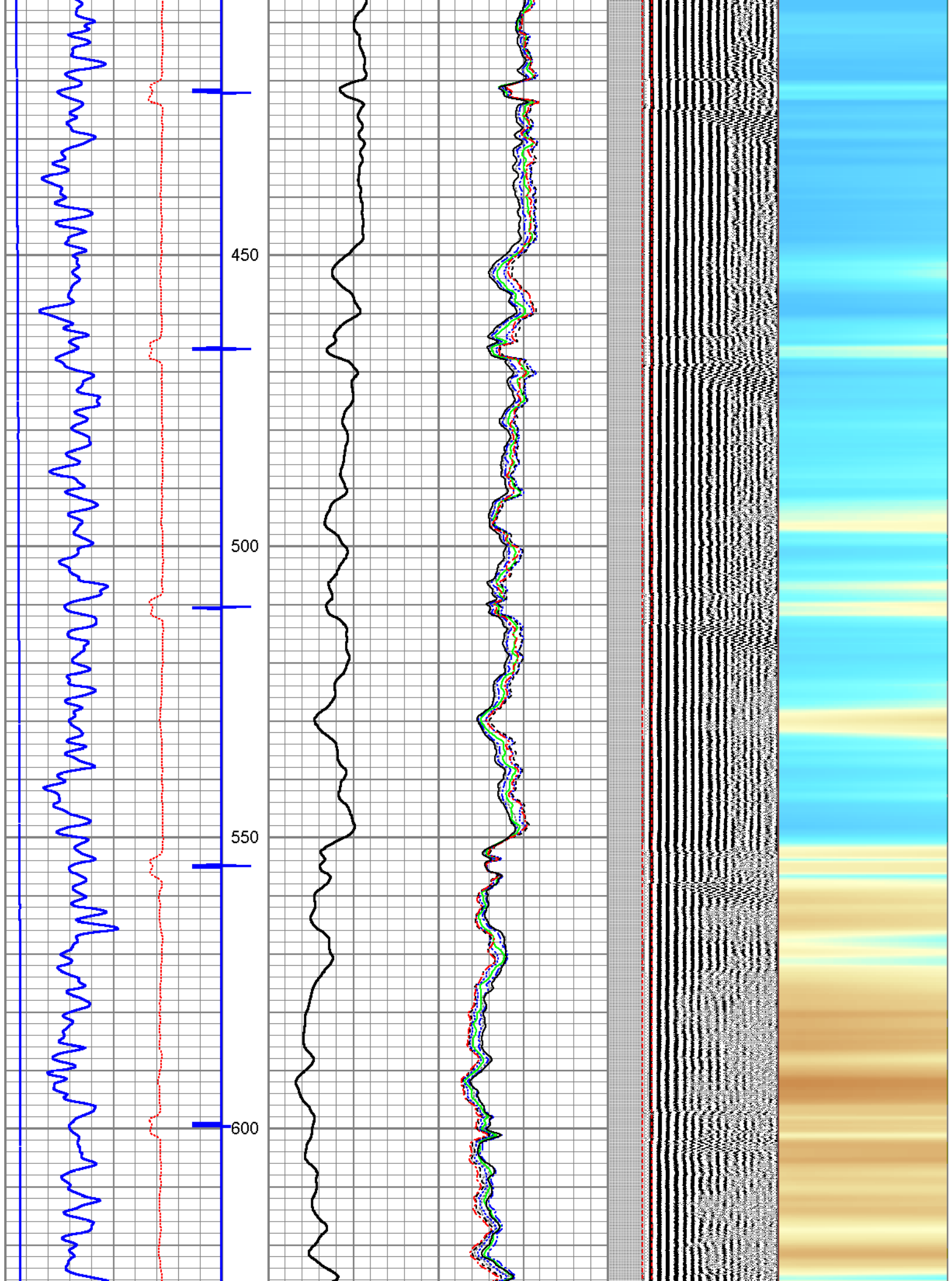


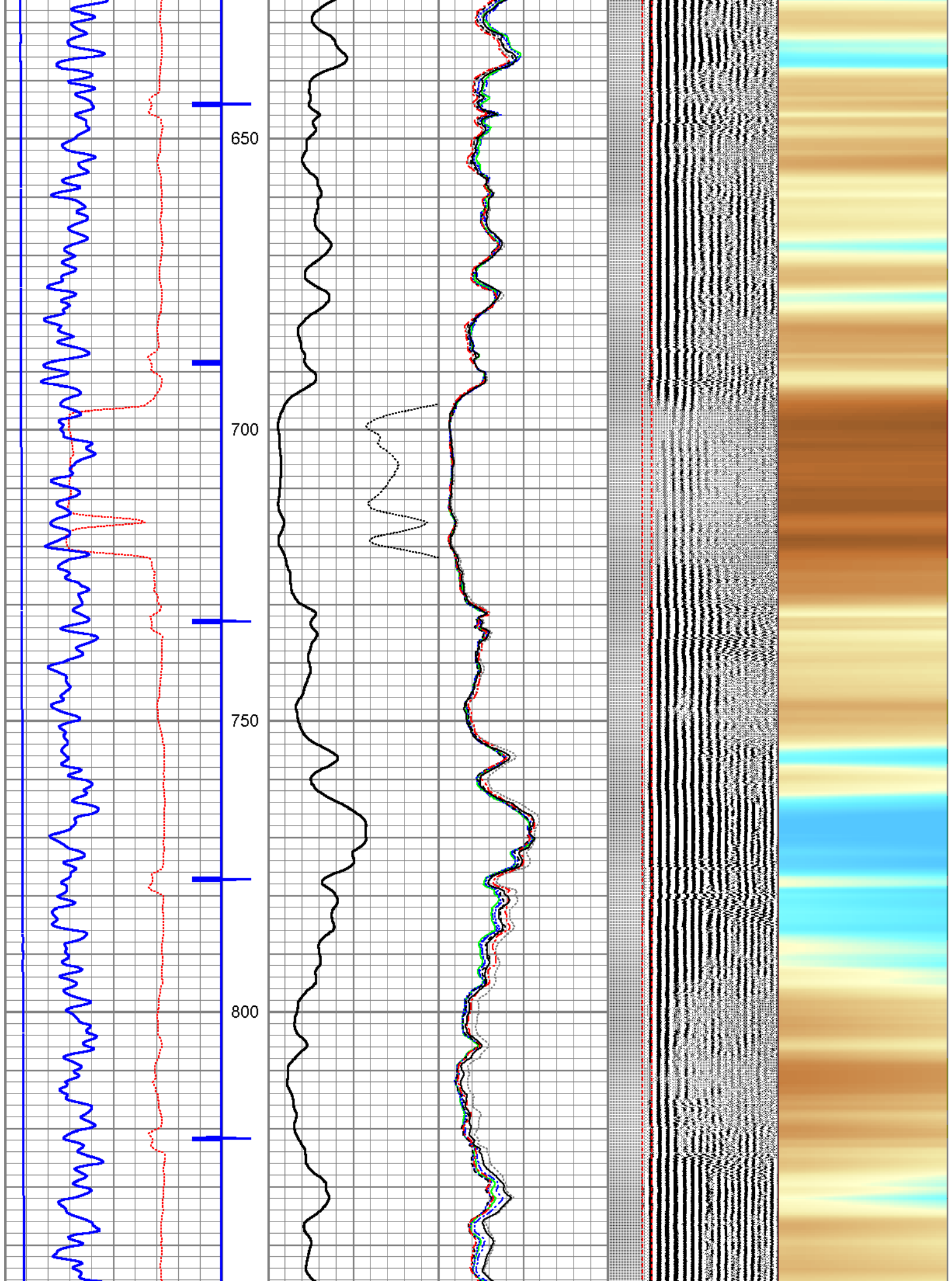
350	TT (usec)	250		Amplitude	-5	AMPS2	150	200	VDL	1200	Cement Map	
0	GR (GAPI)	200		(mV)	0	AMPS3	150					
50	TEMP (degF)	300		Amplified Amplitude	-5	AMPS4	150					
			CCL	(mV)	0	AMPS5	150					
					-5	AMPS6	150					
					-5	AMPS7	150					
					-5	AMPS8	150					
					-5	AMPS1	150					



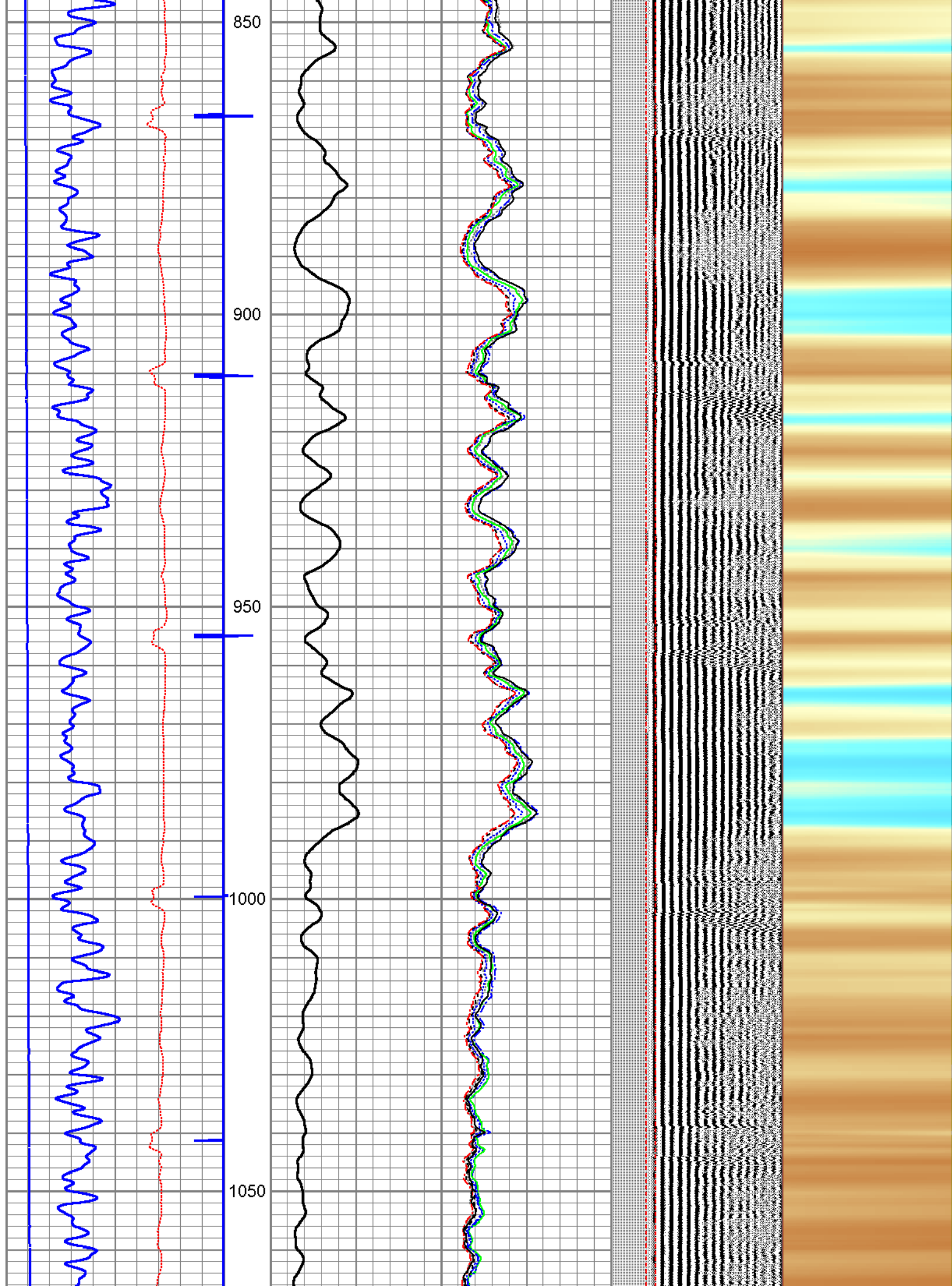


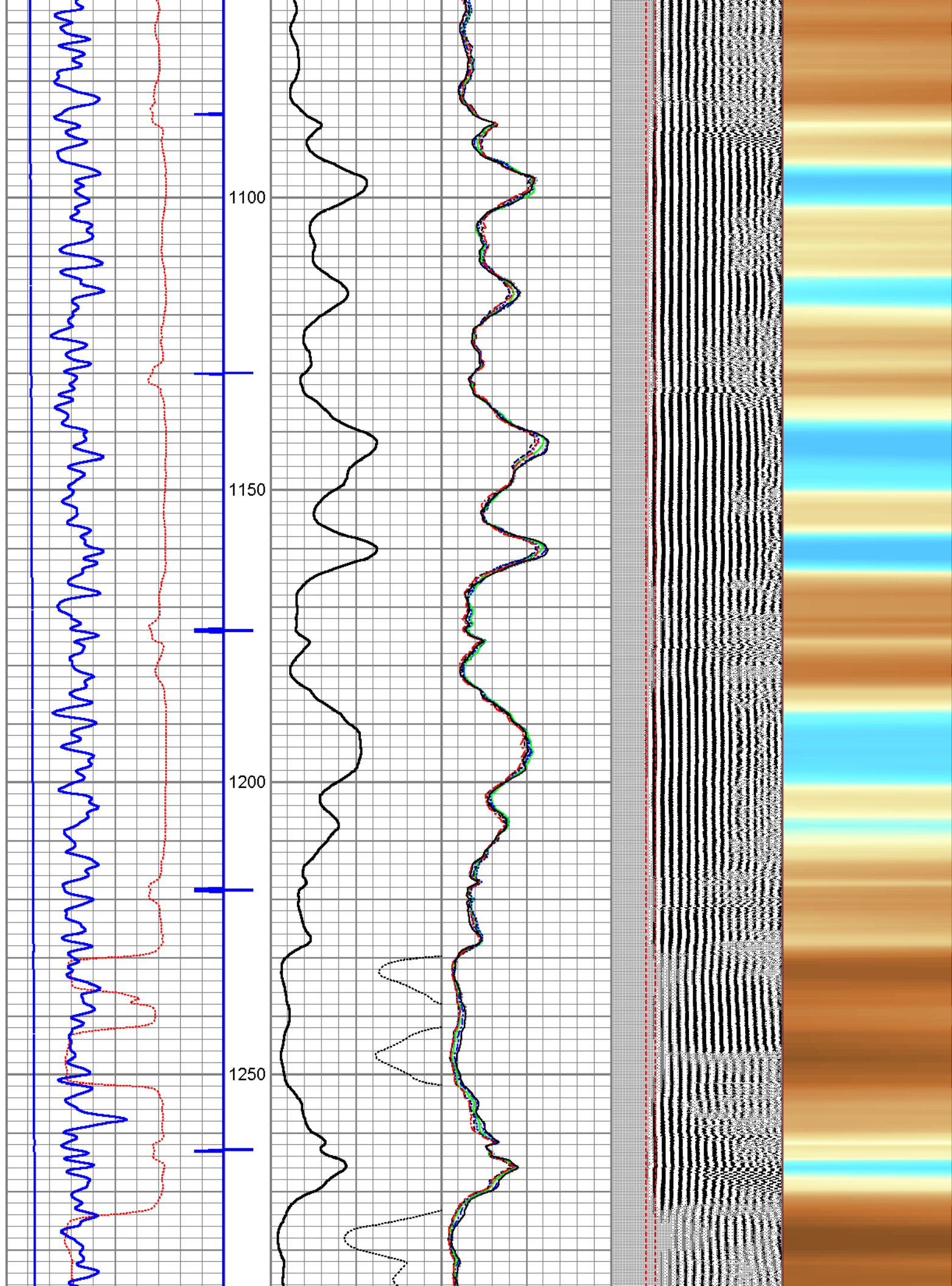




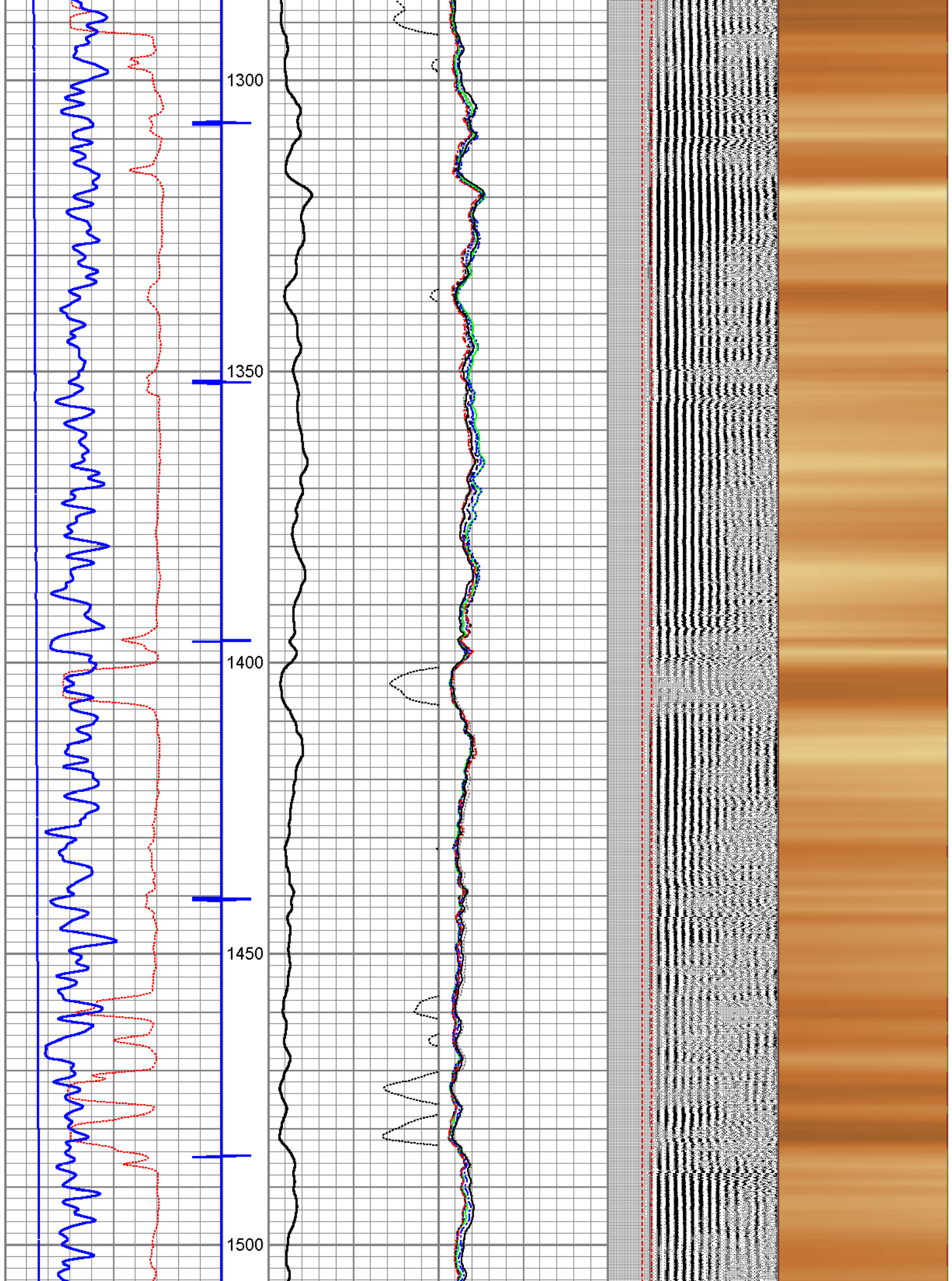




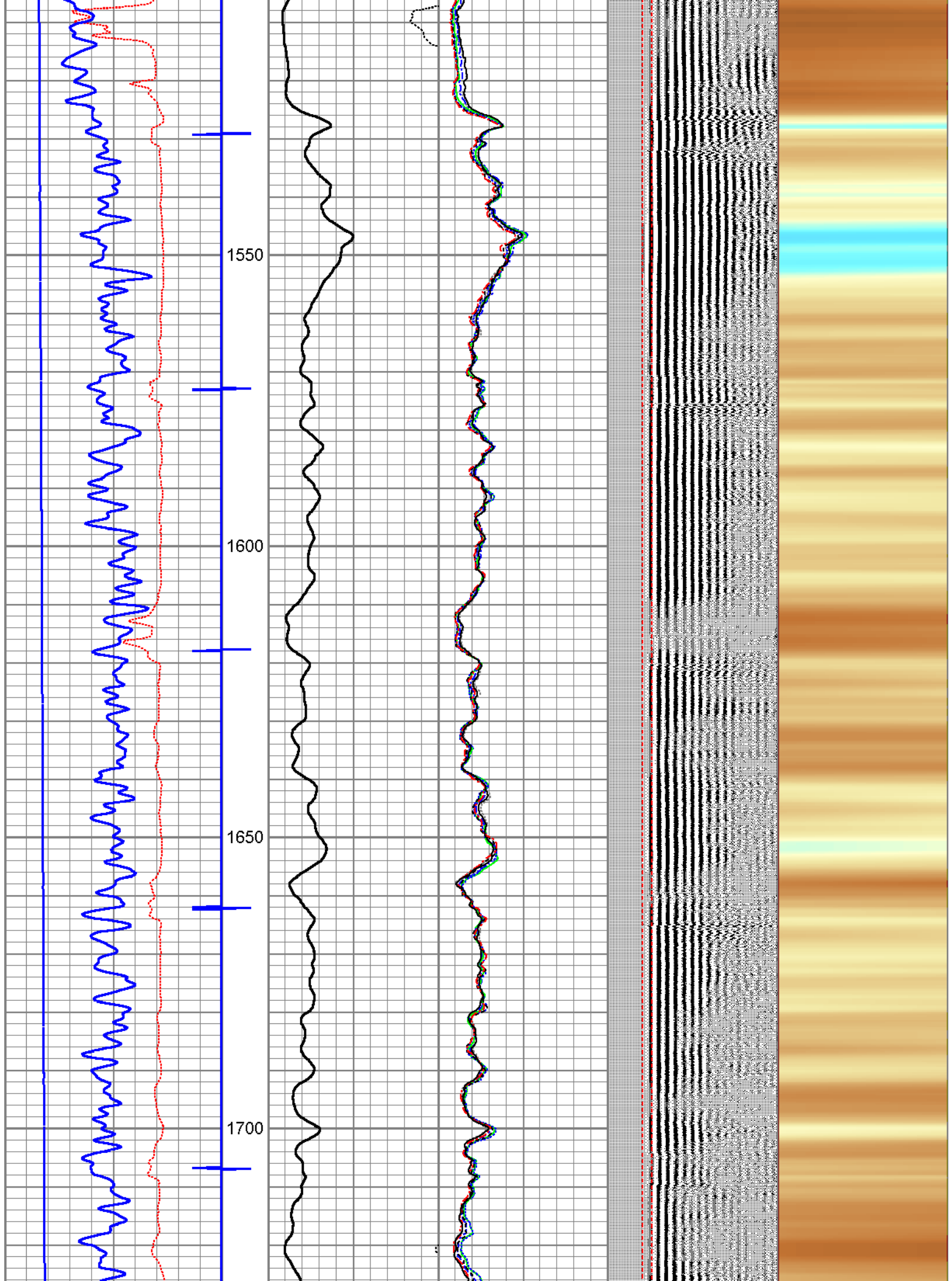


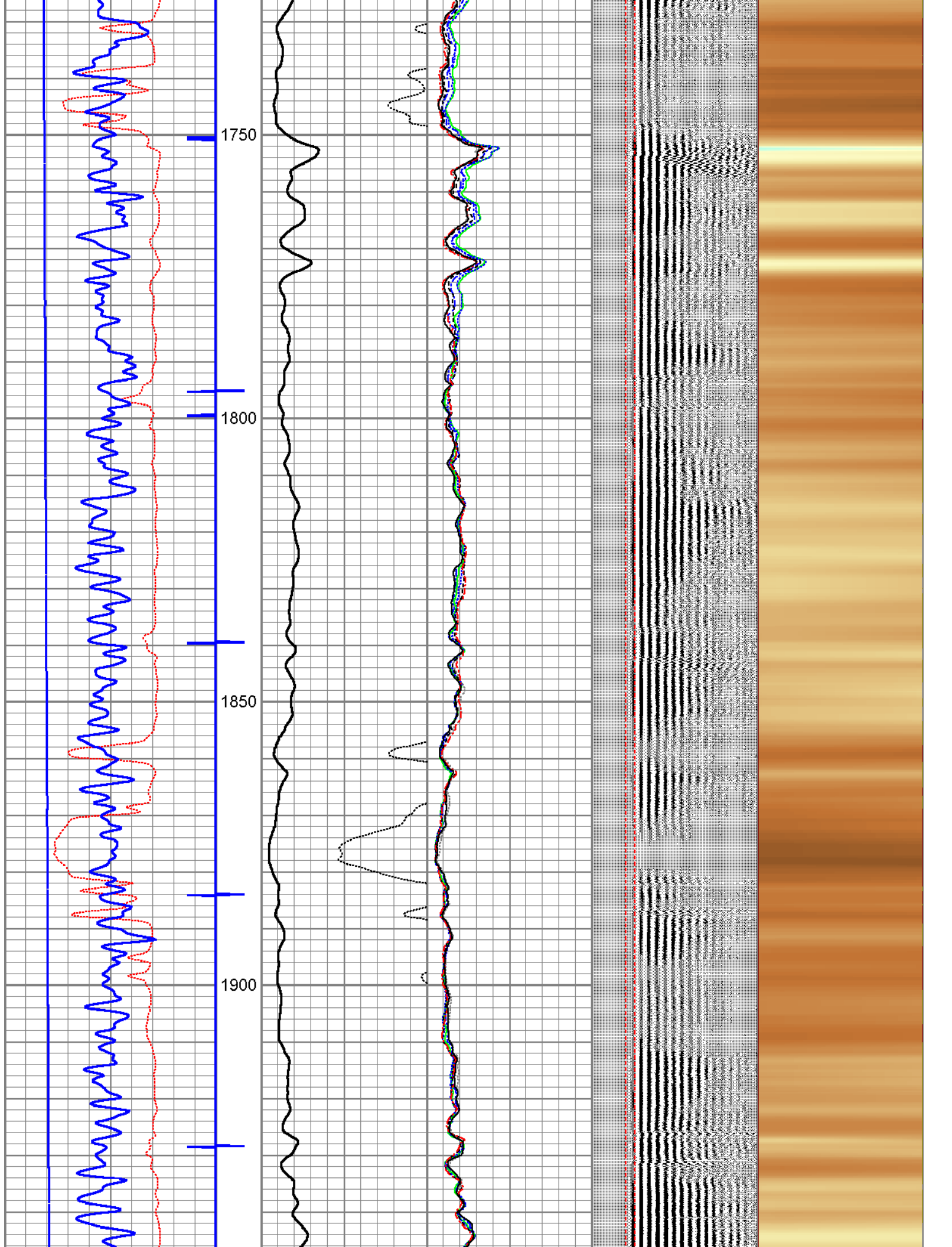




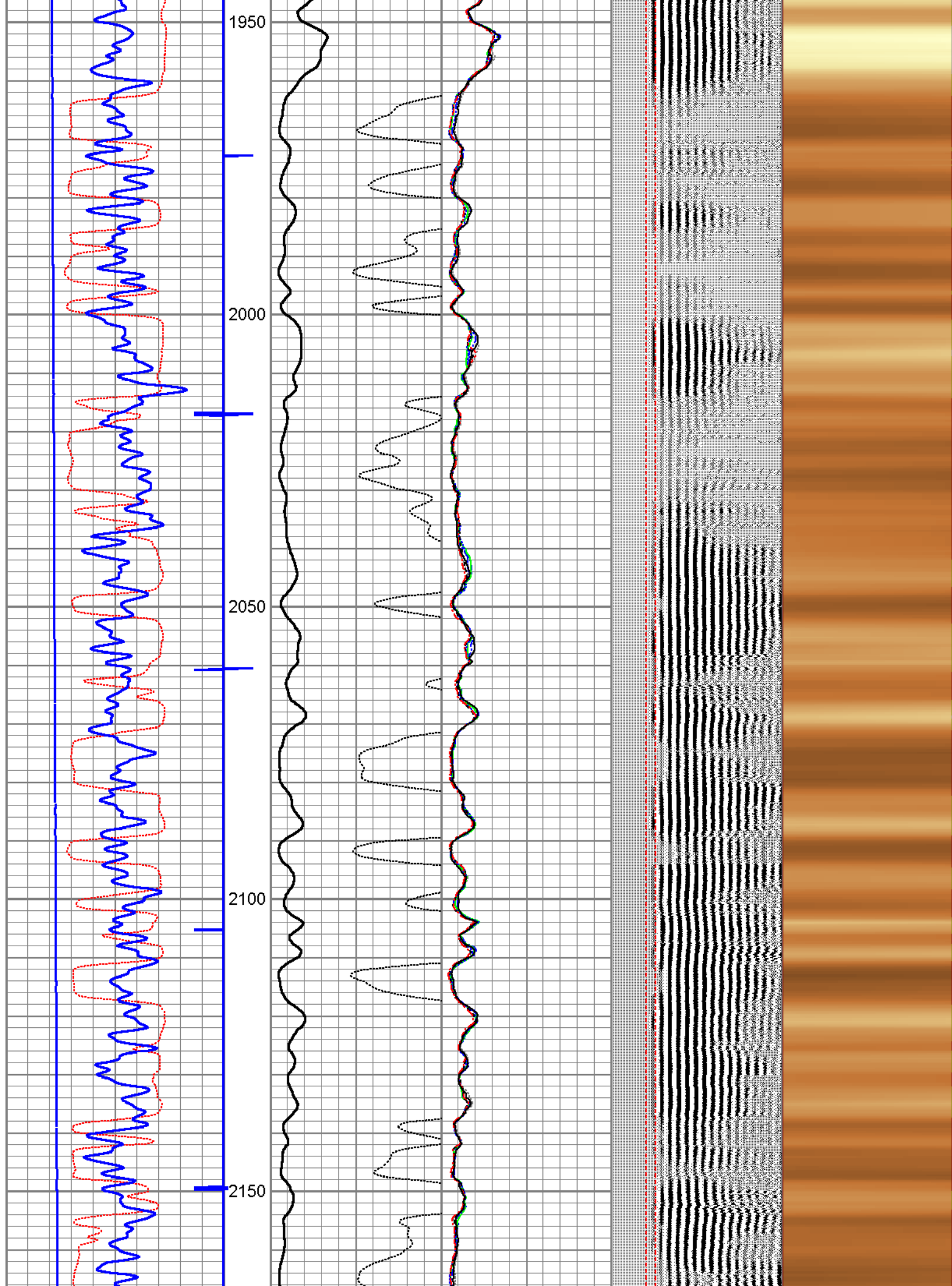




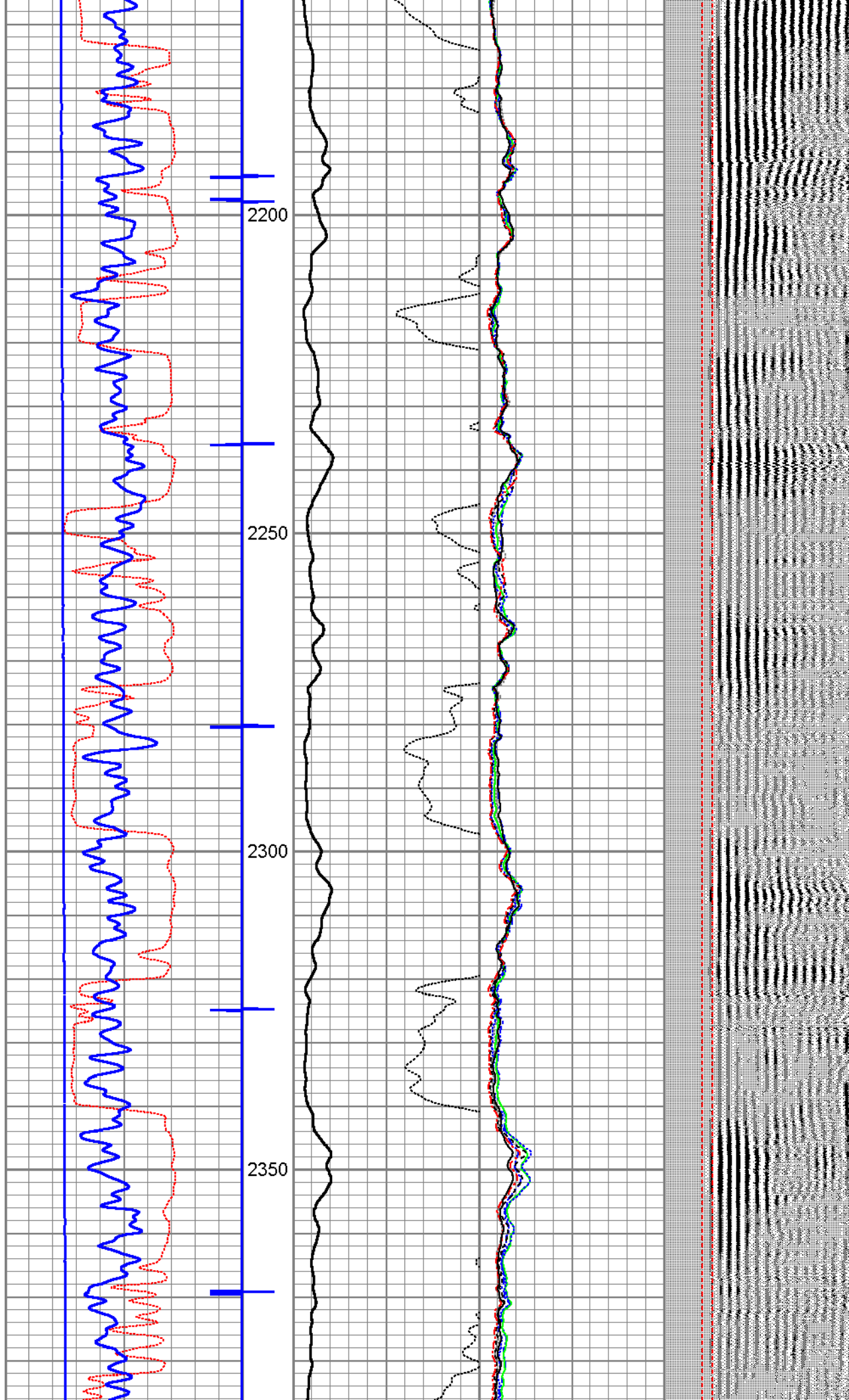


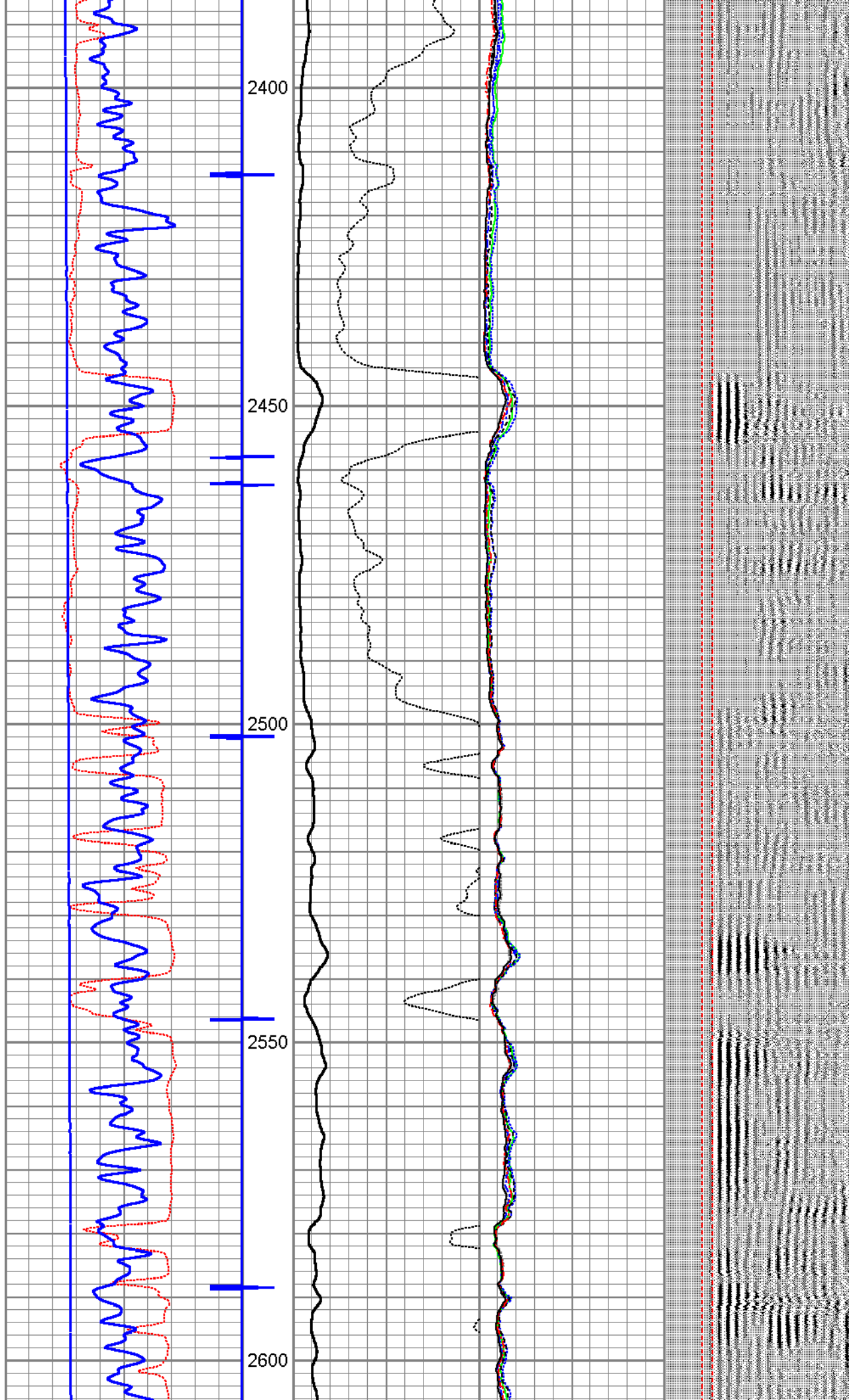




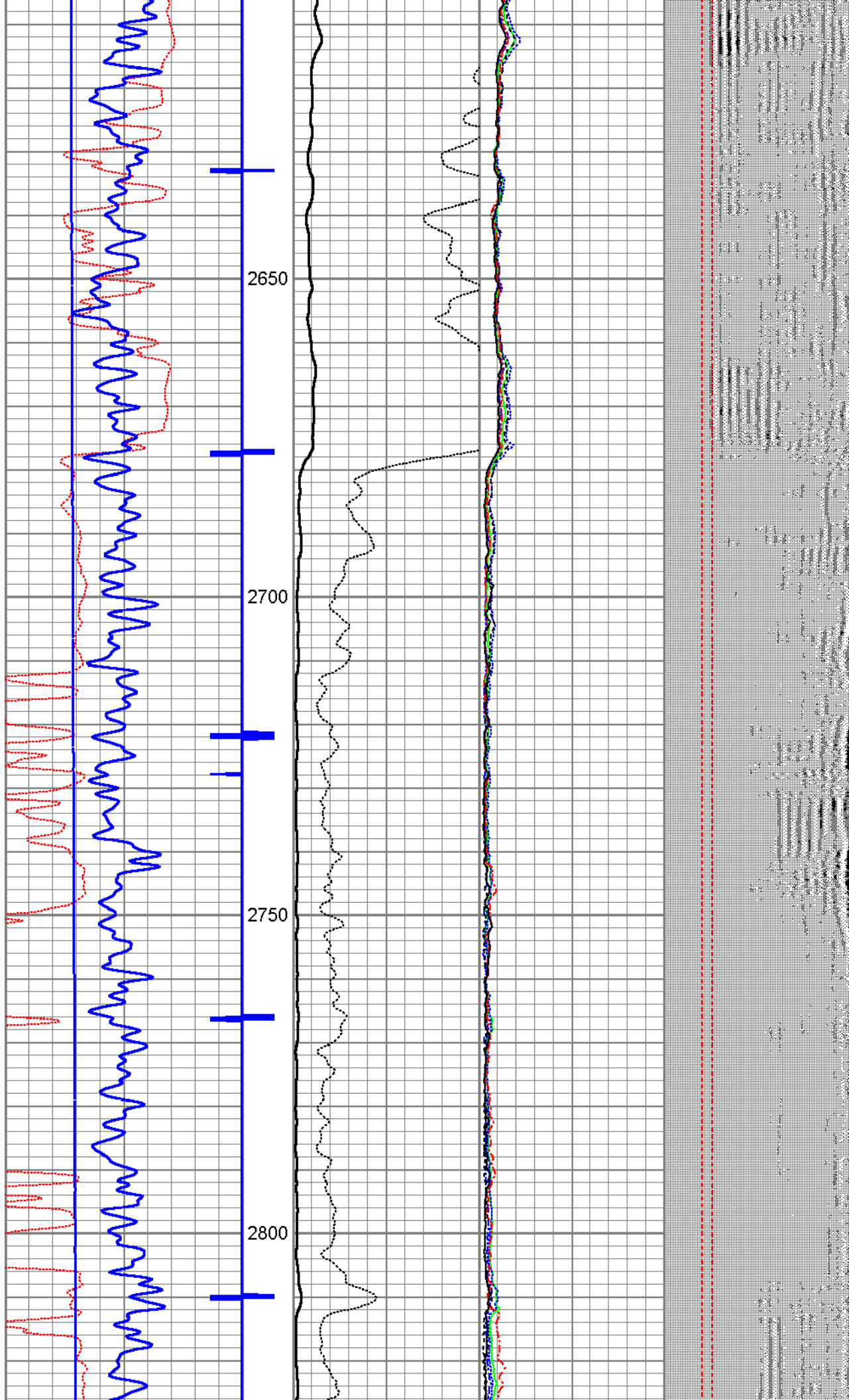




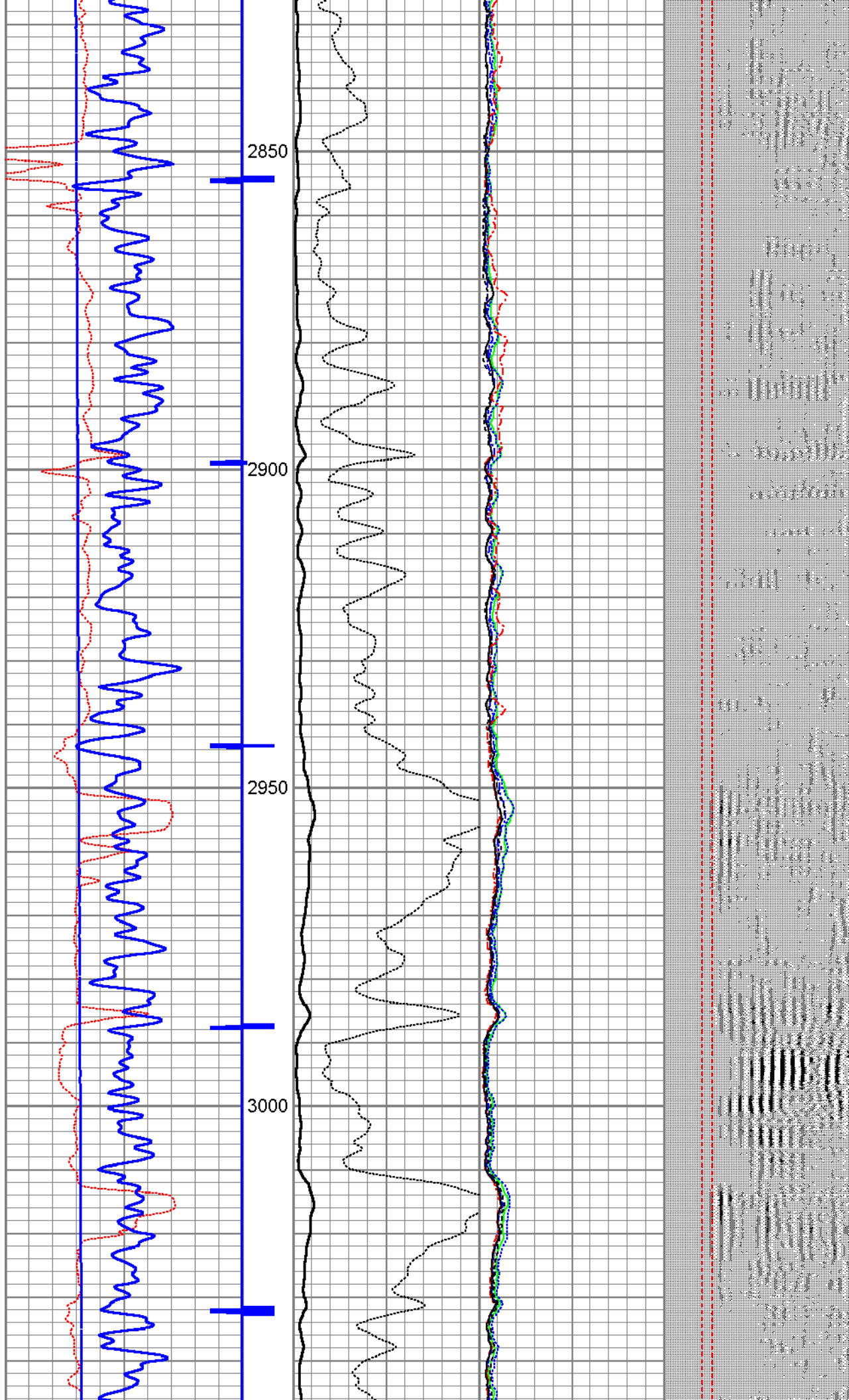


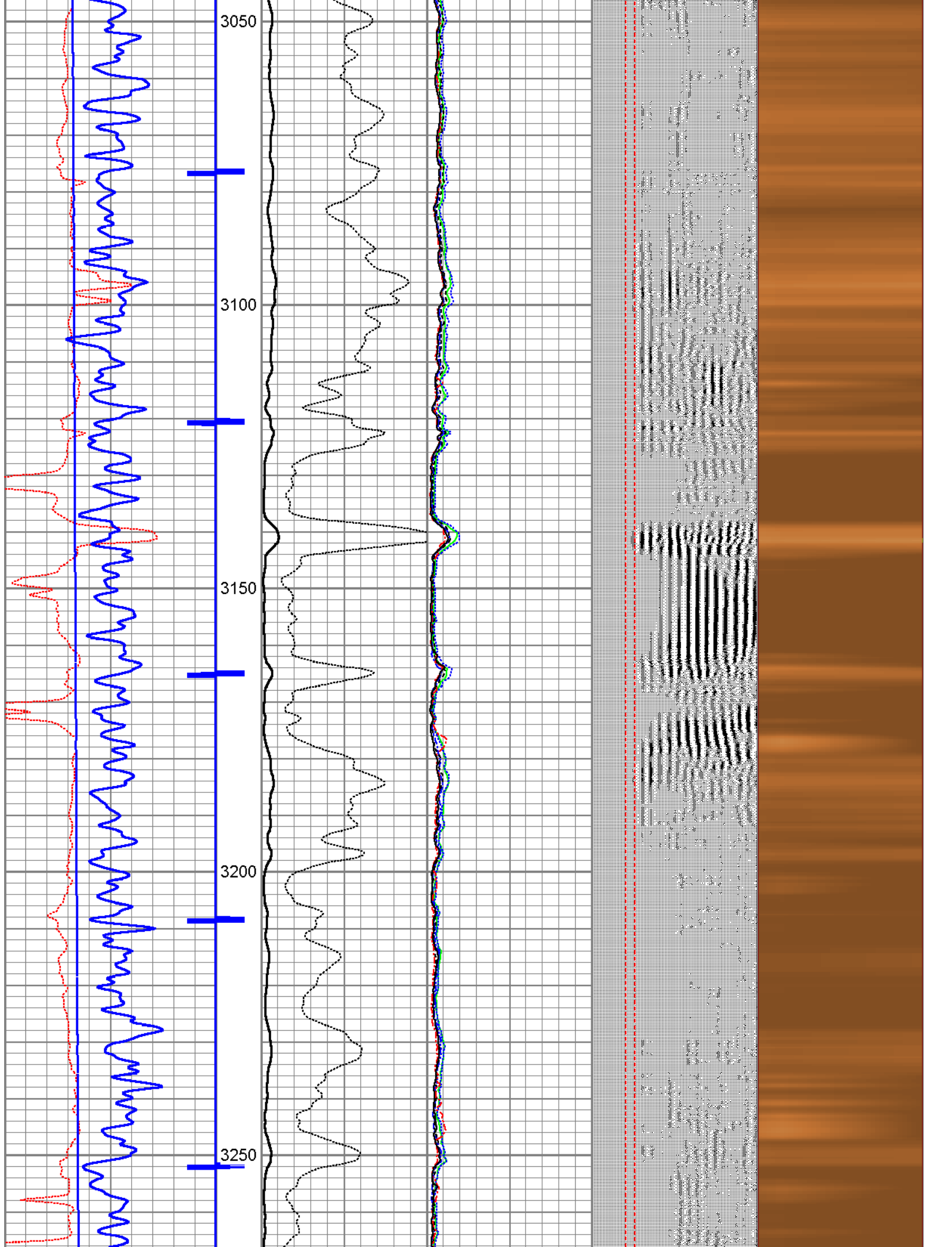




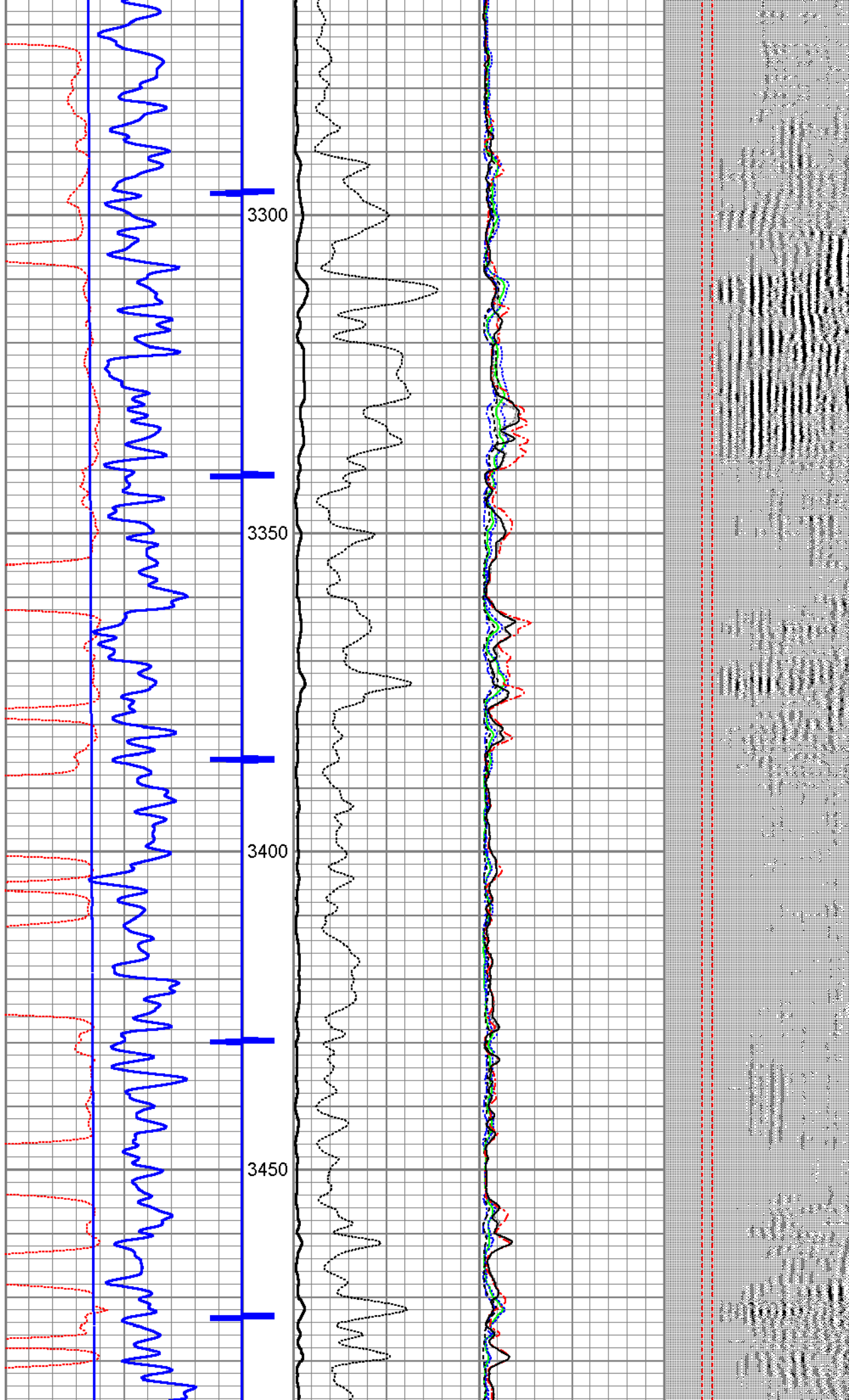




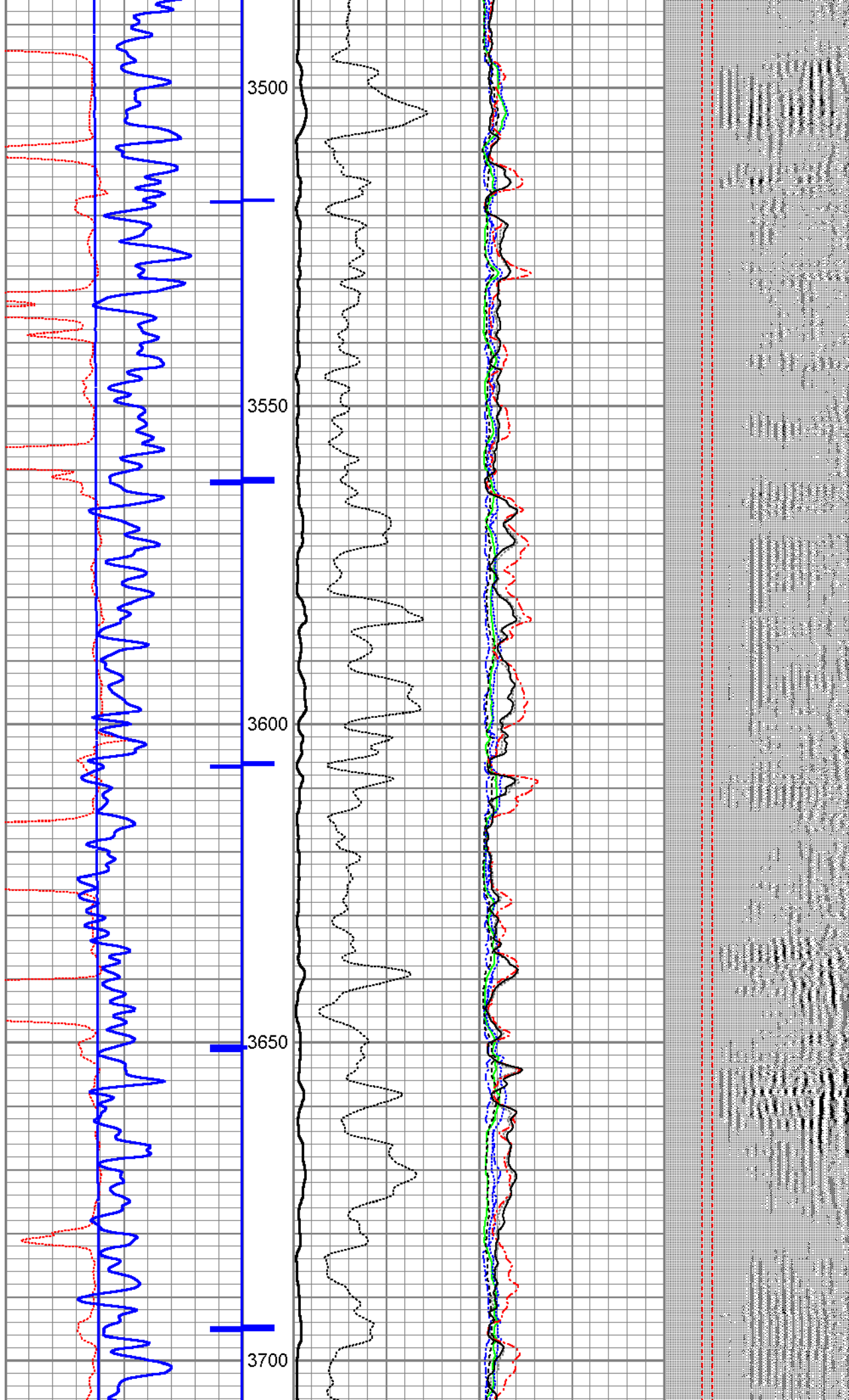


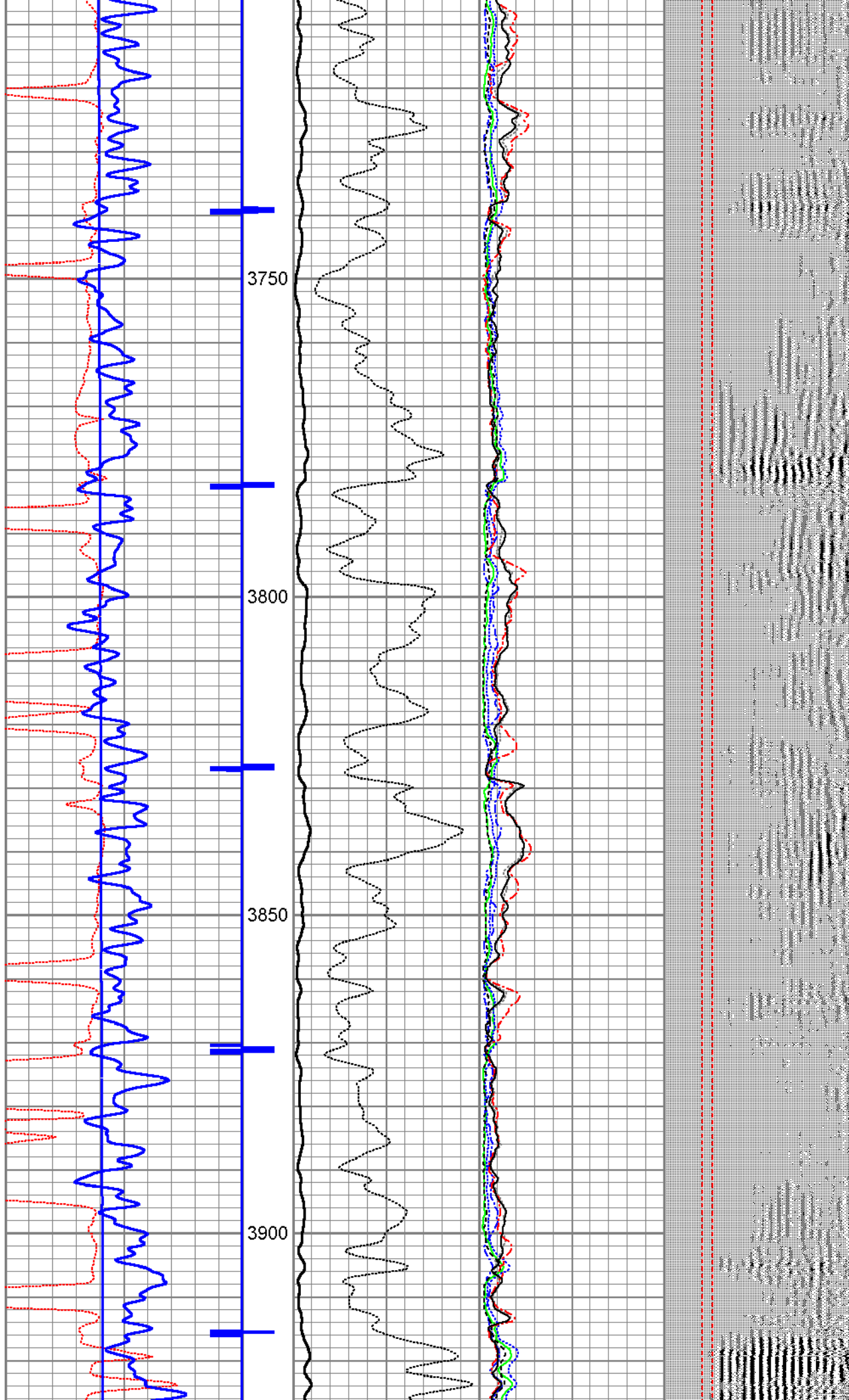




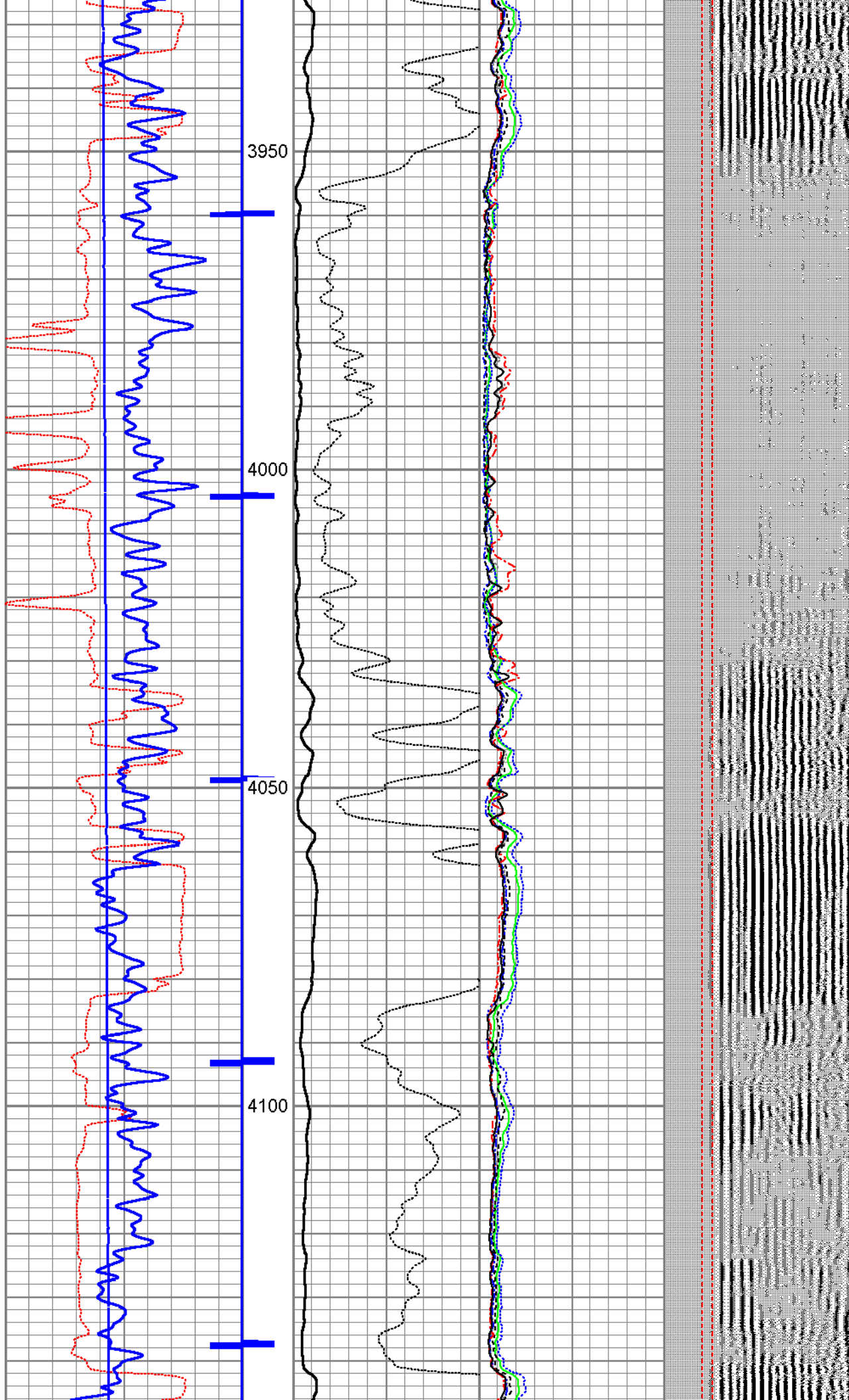




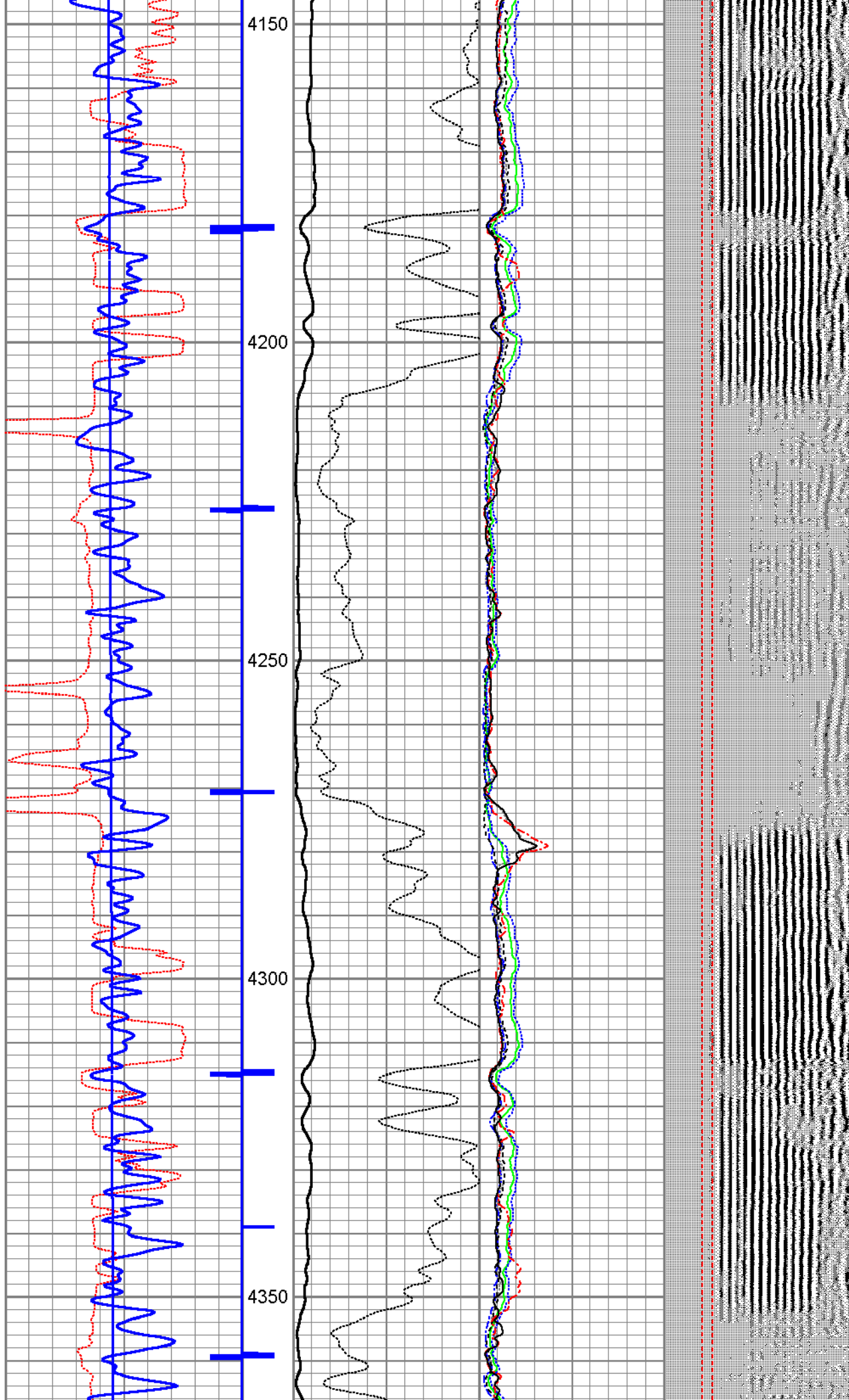


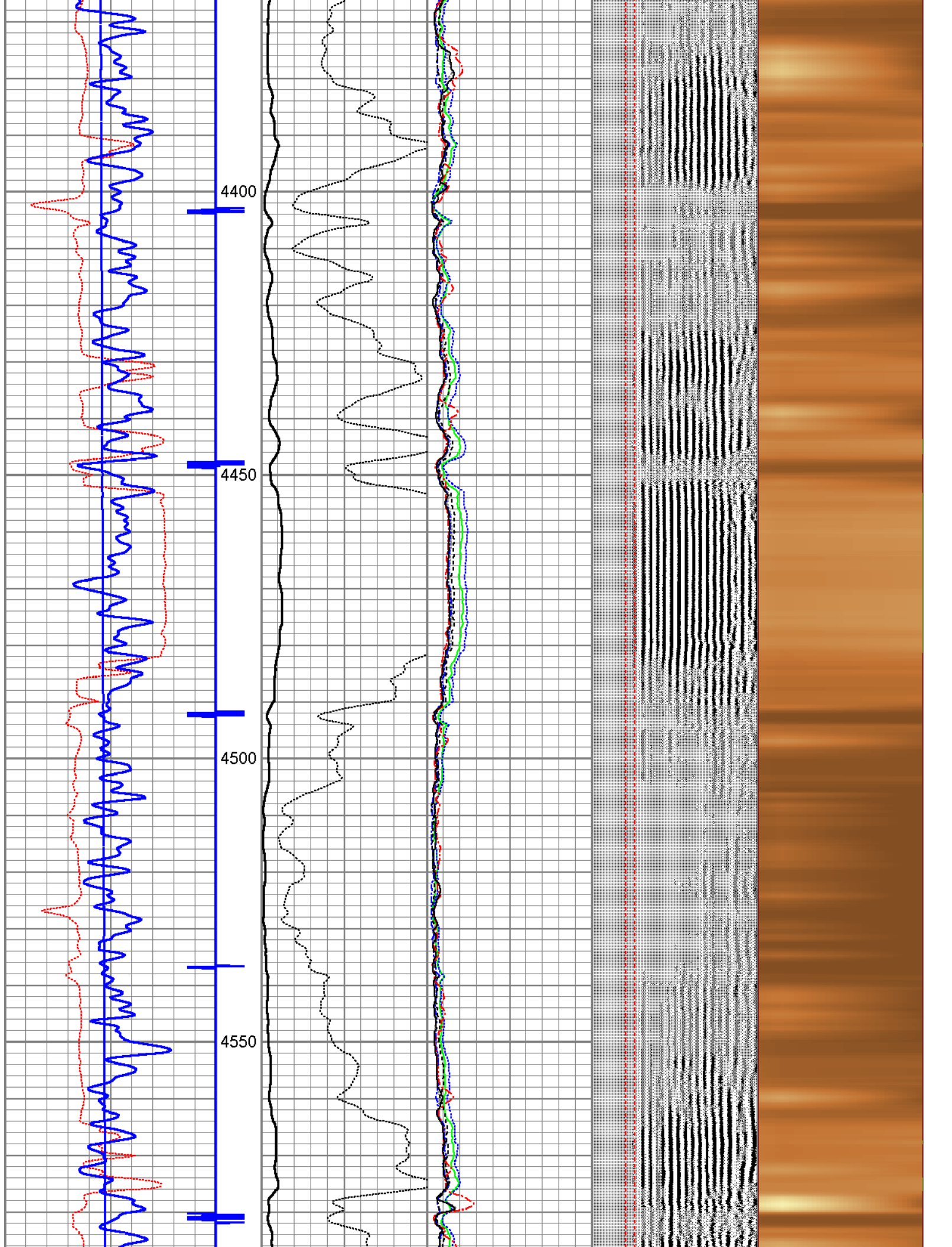




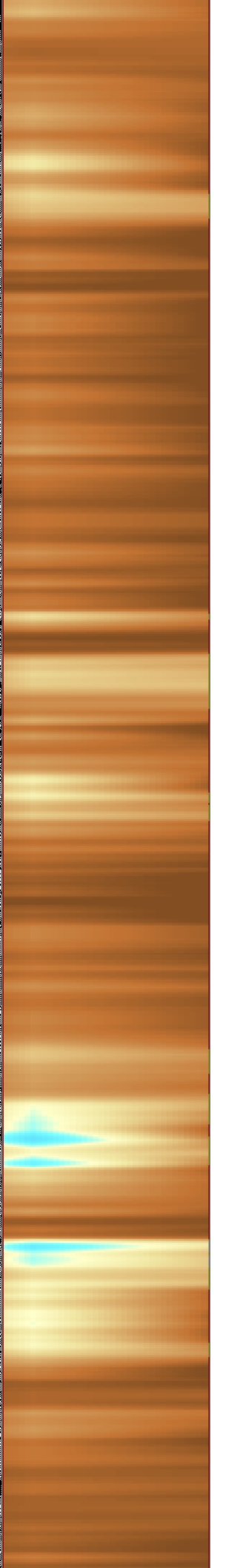
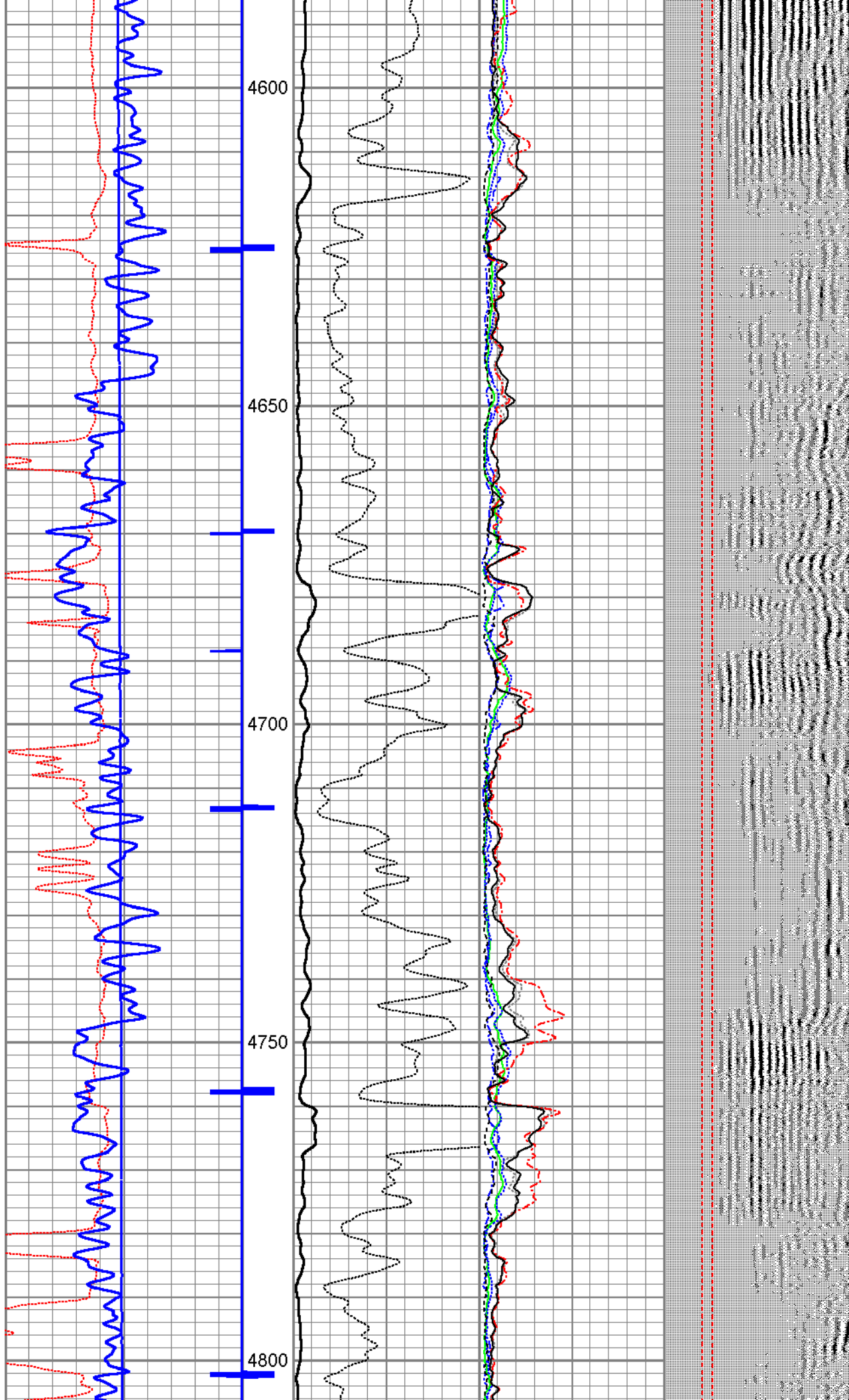


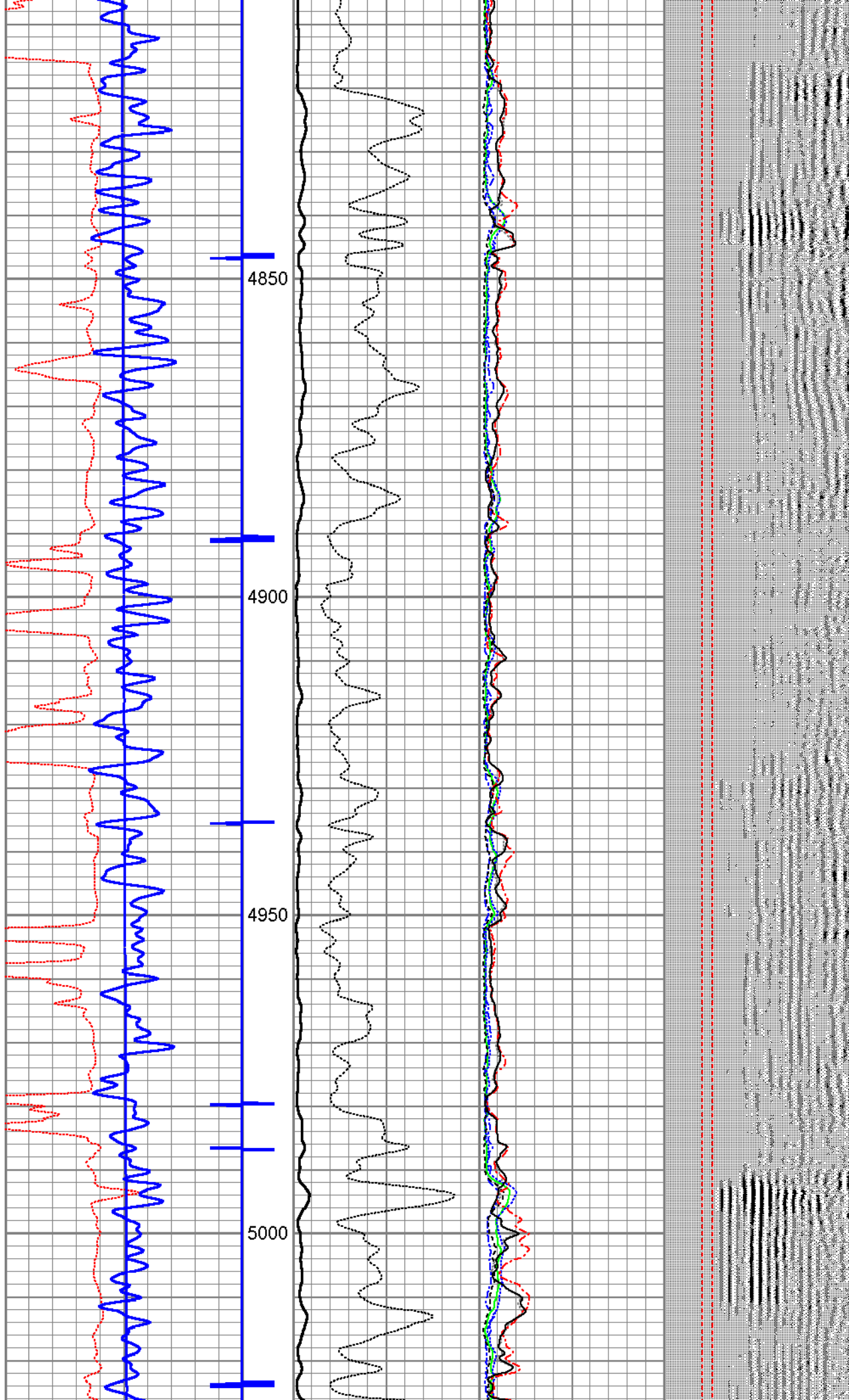




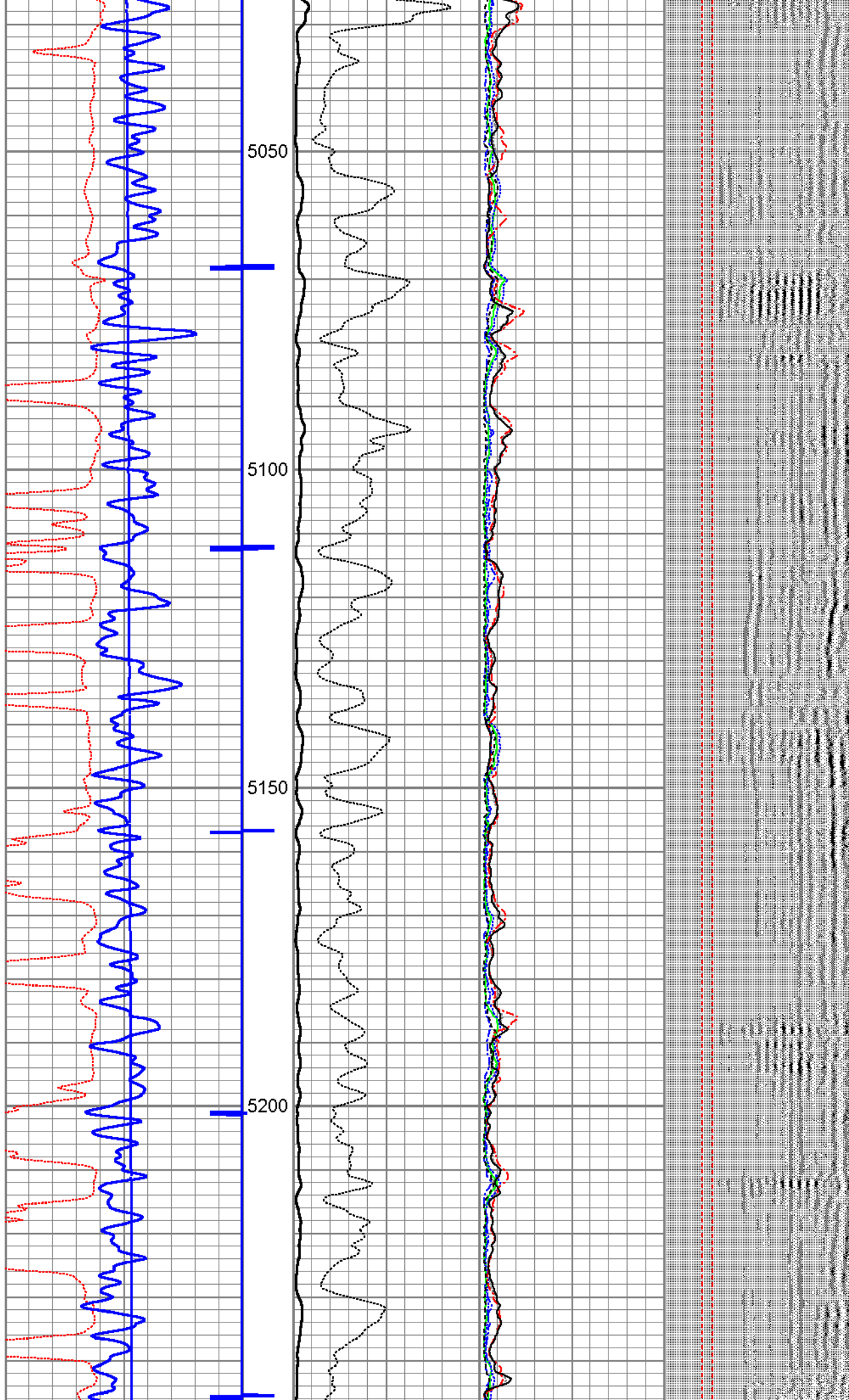


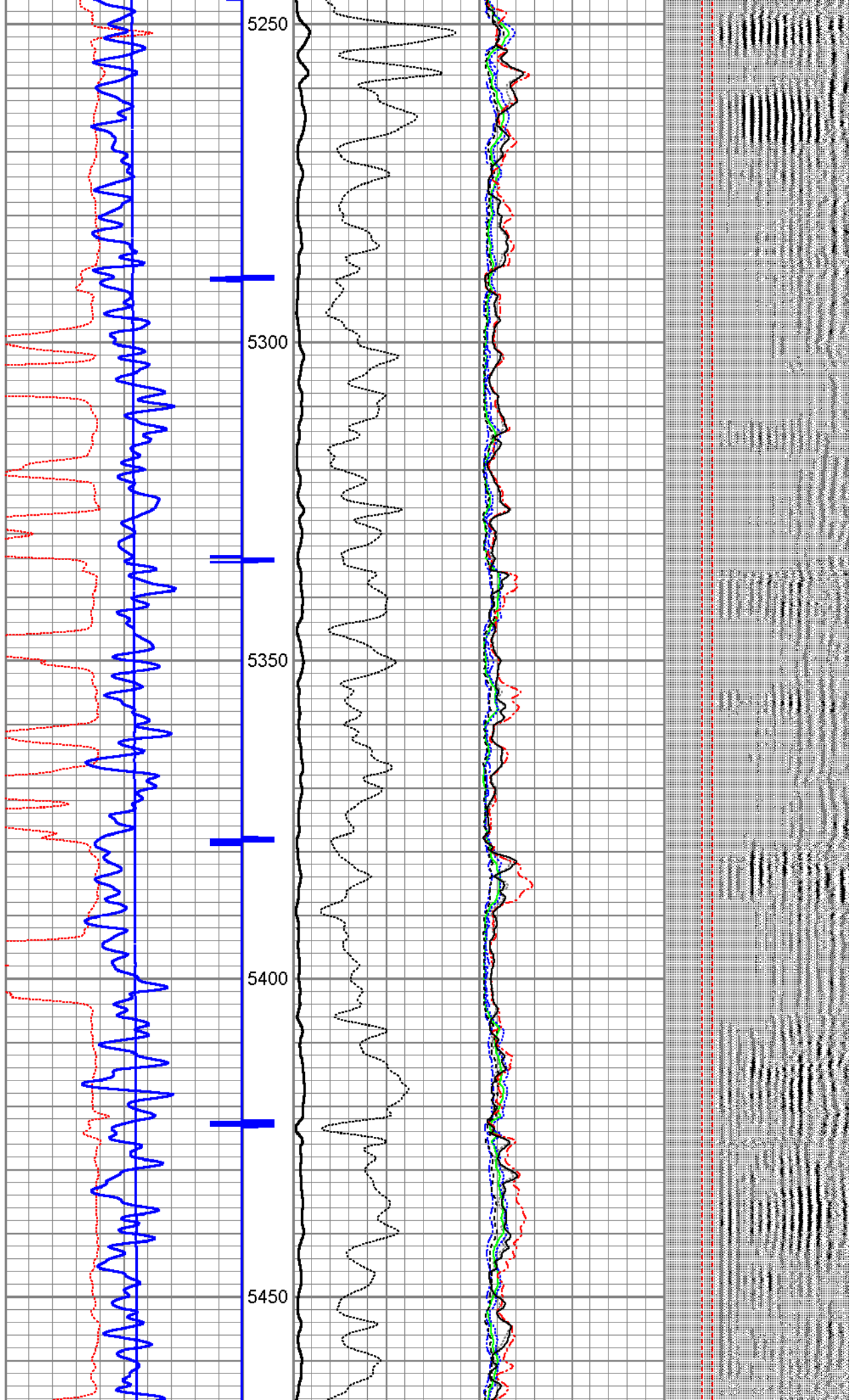




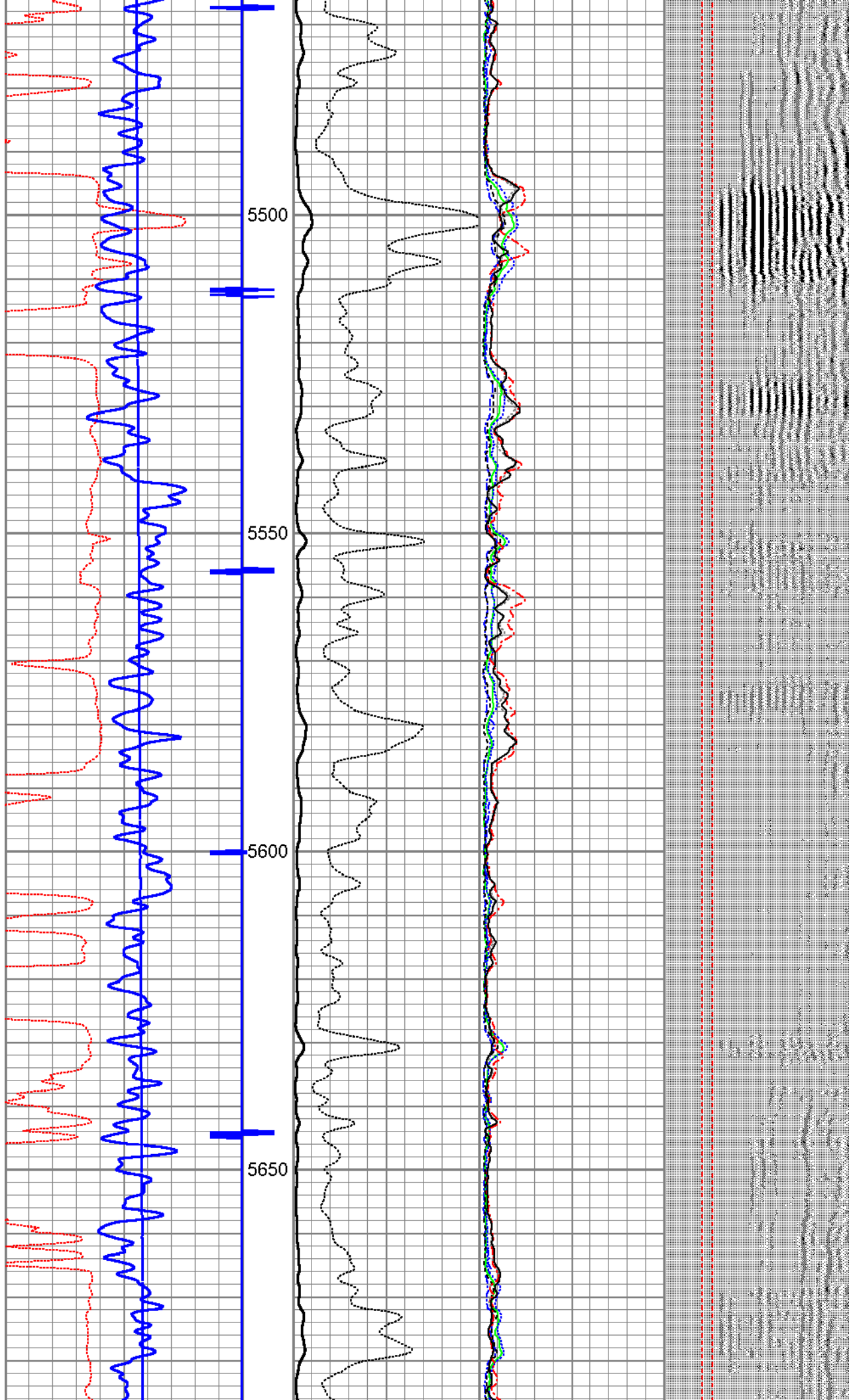


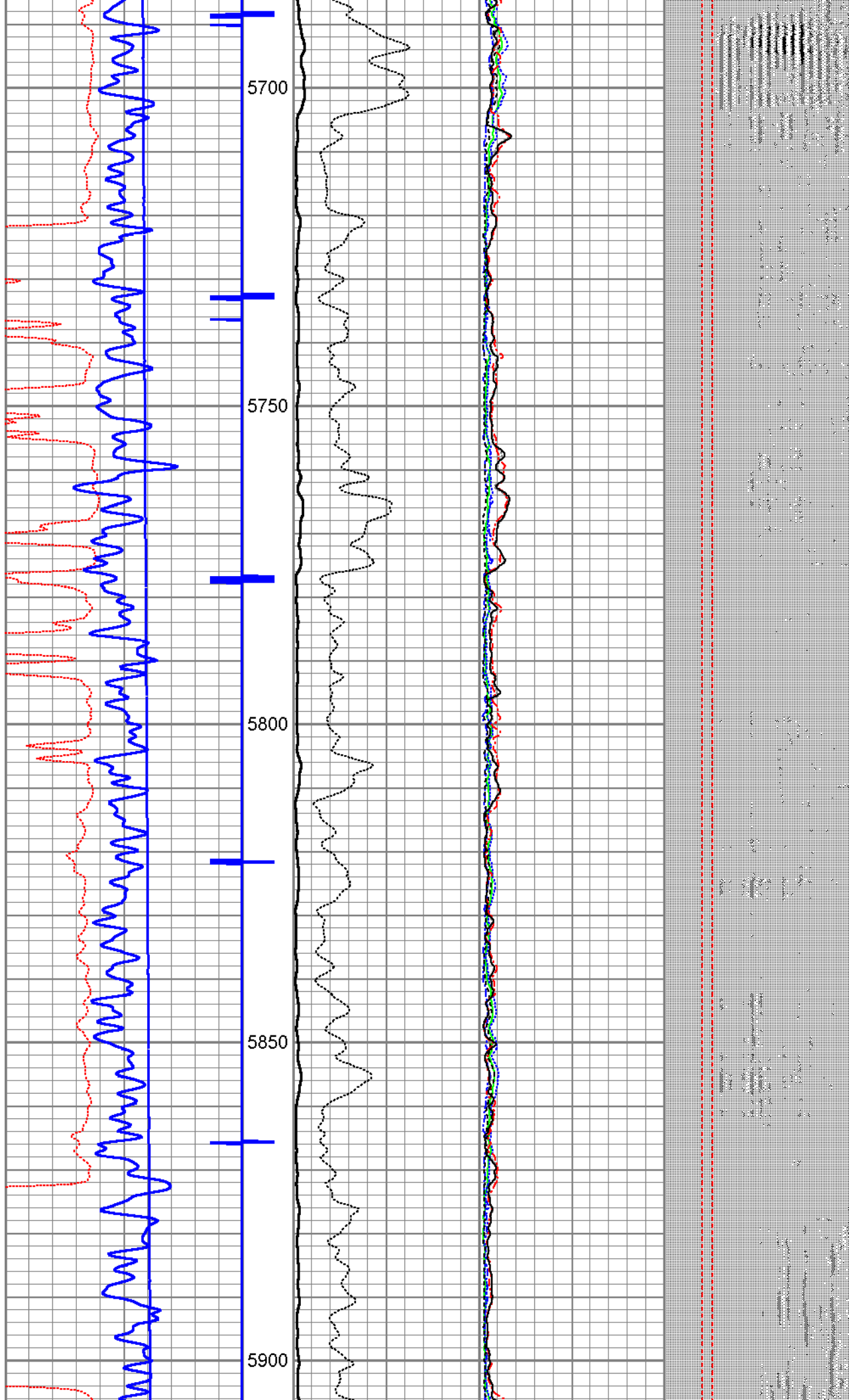




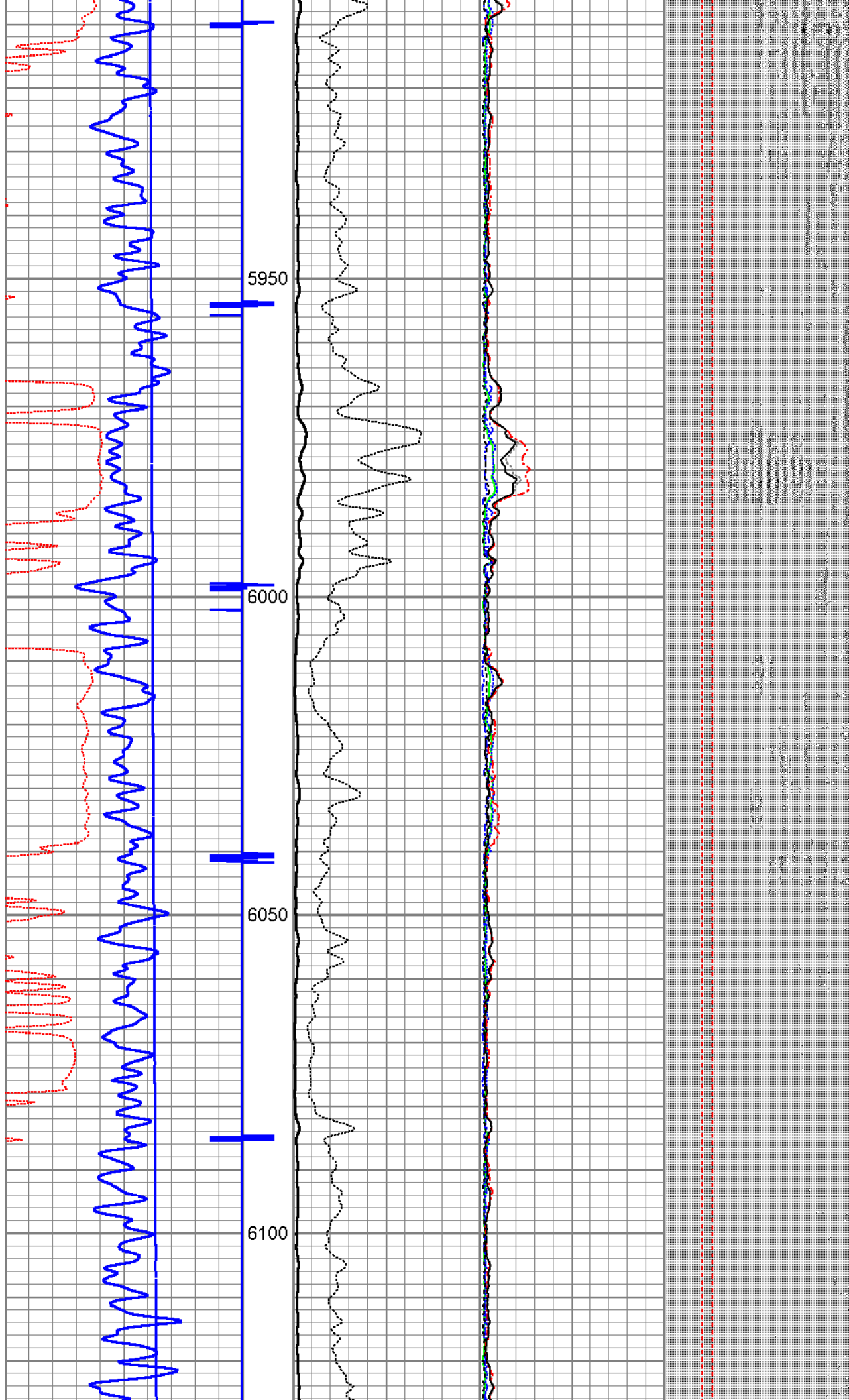


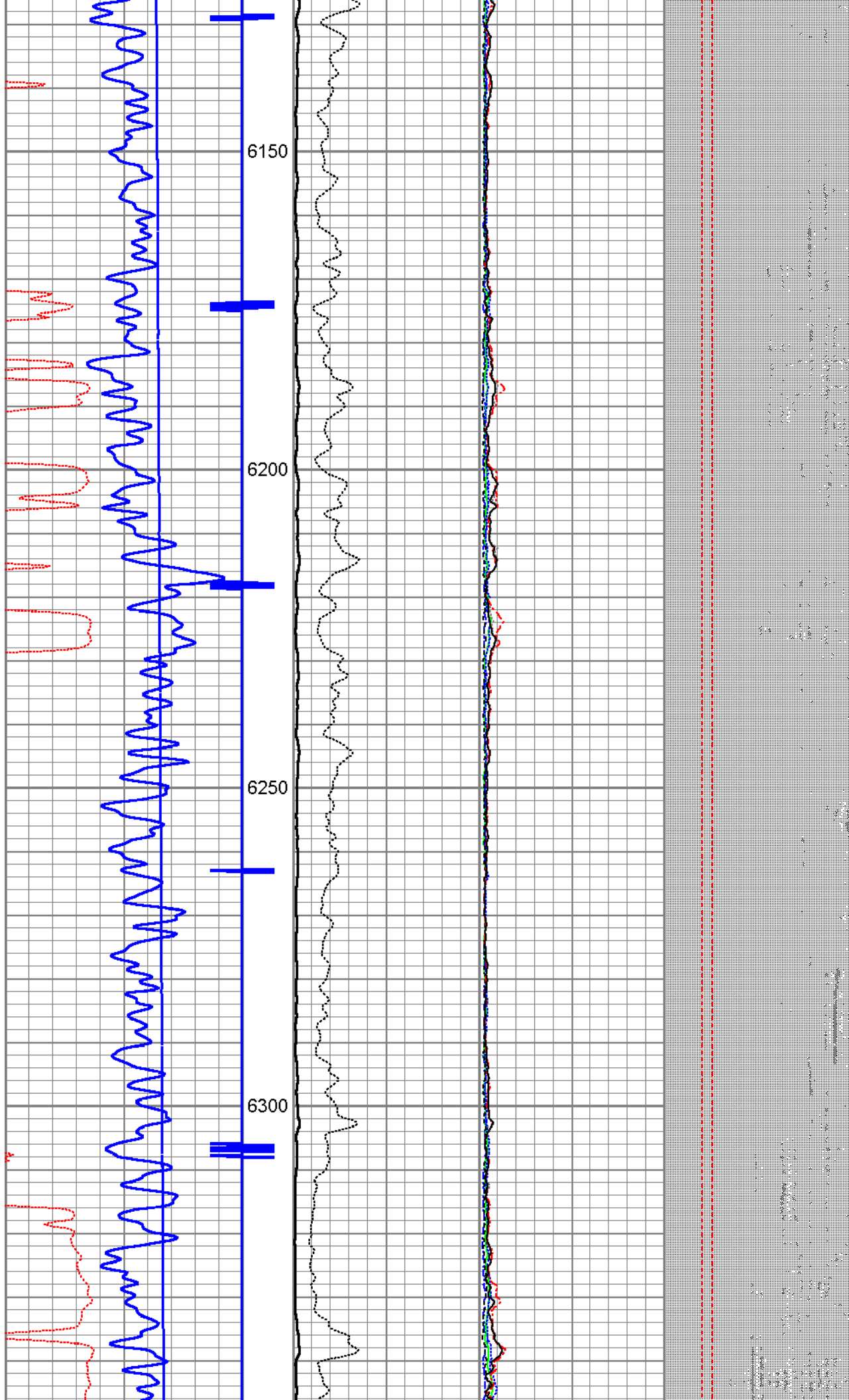




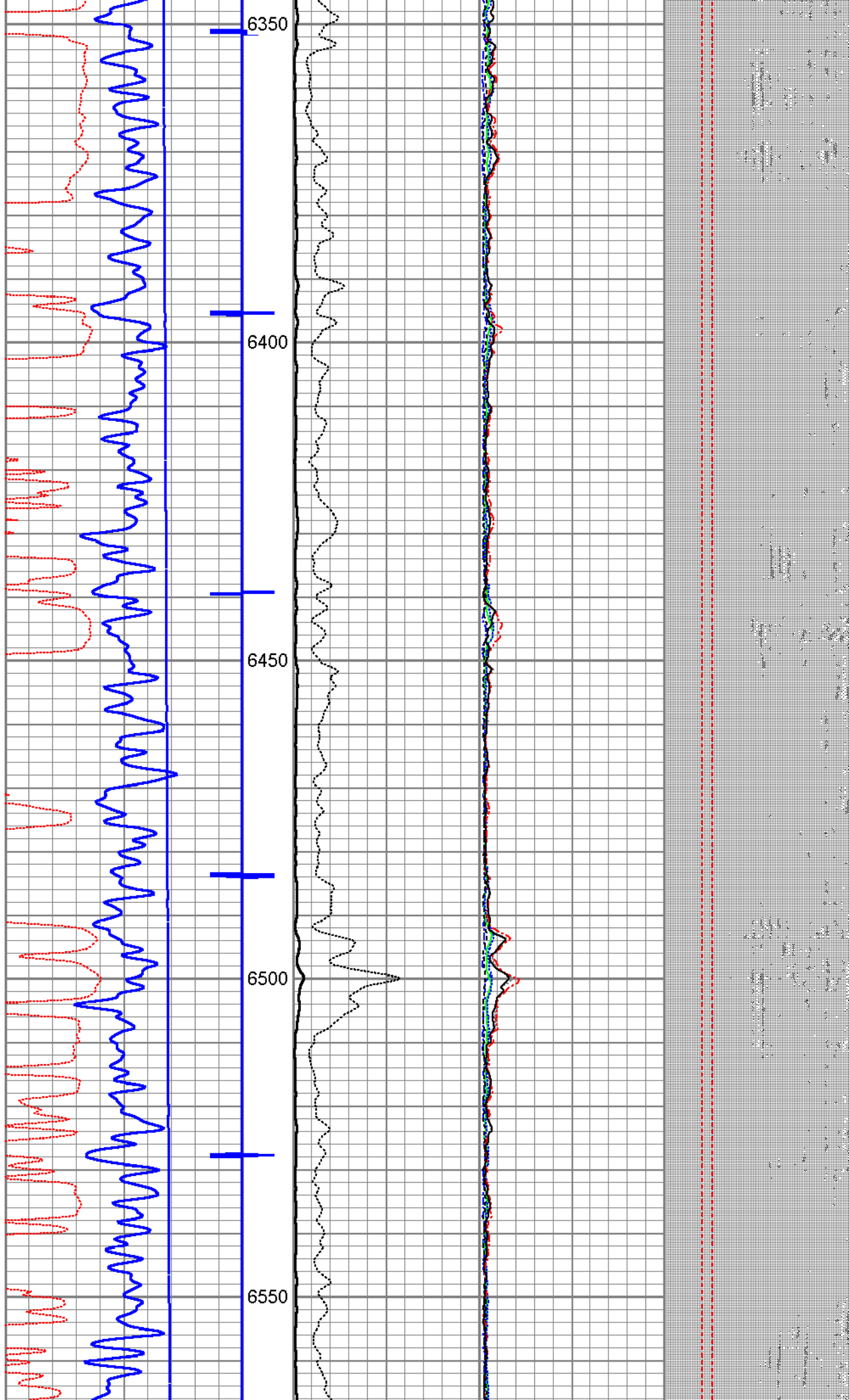


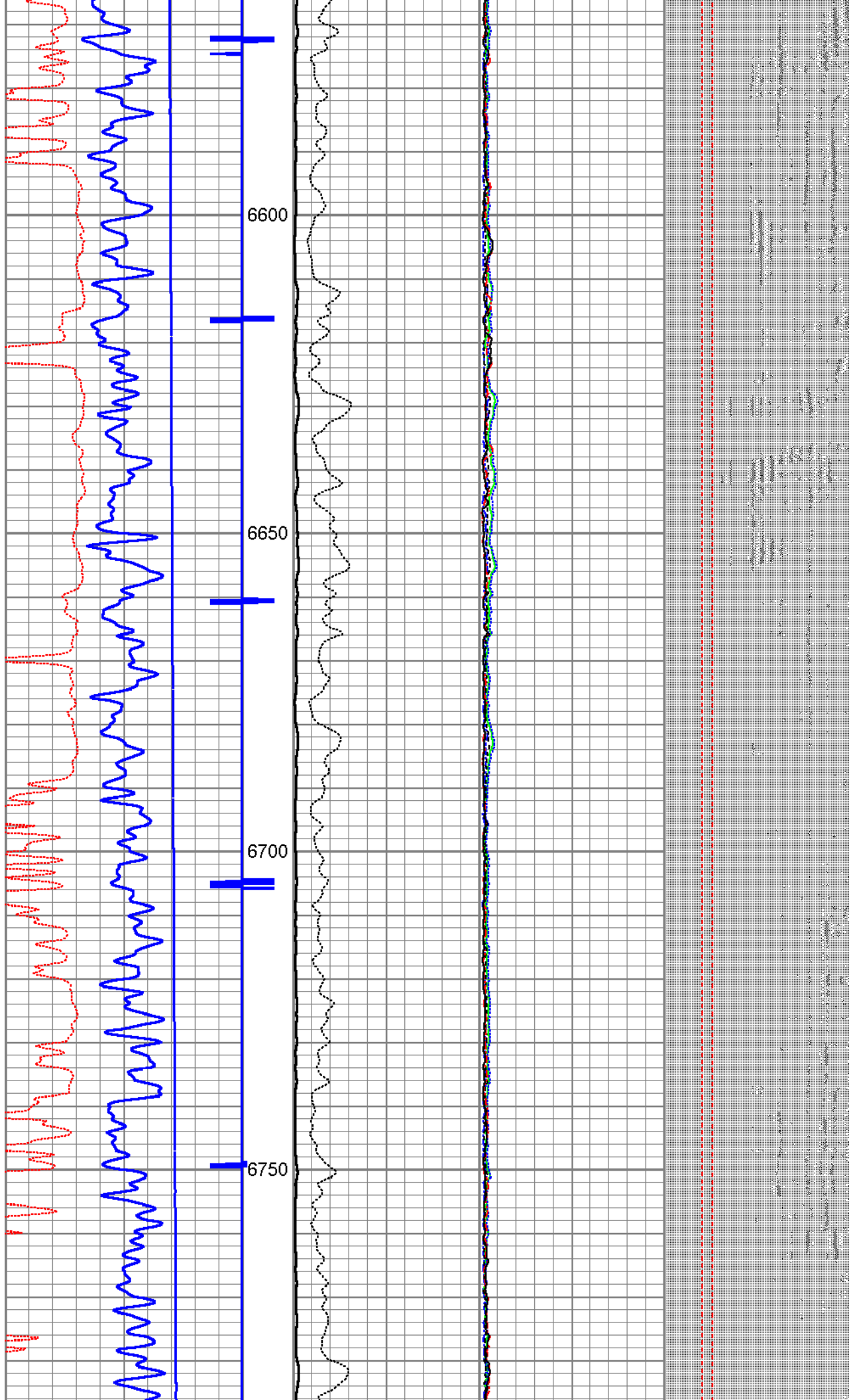




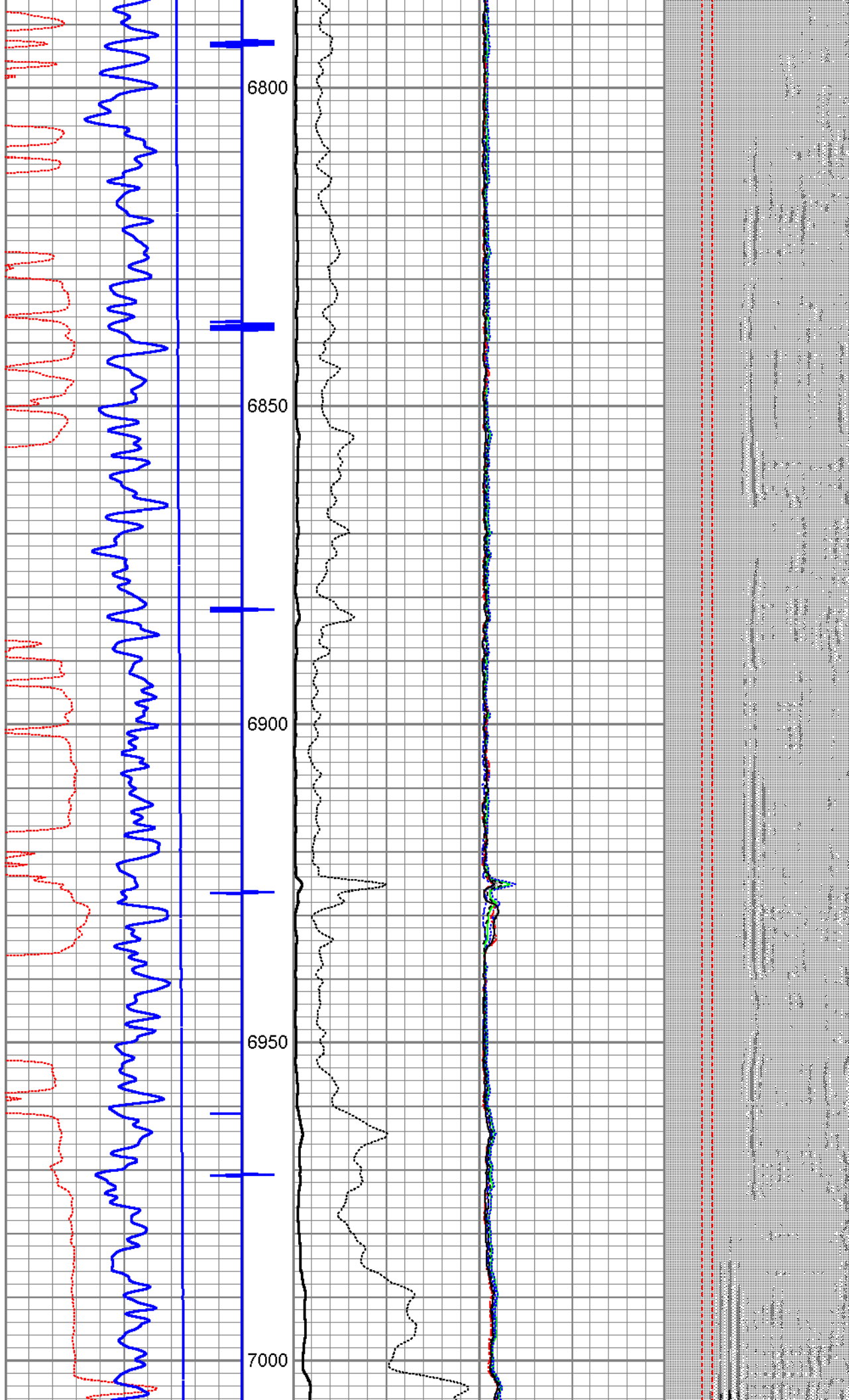


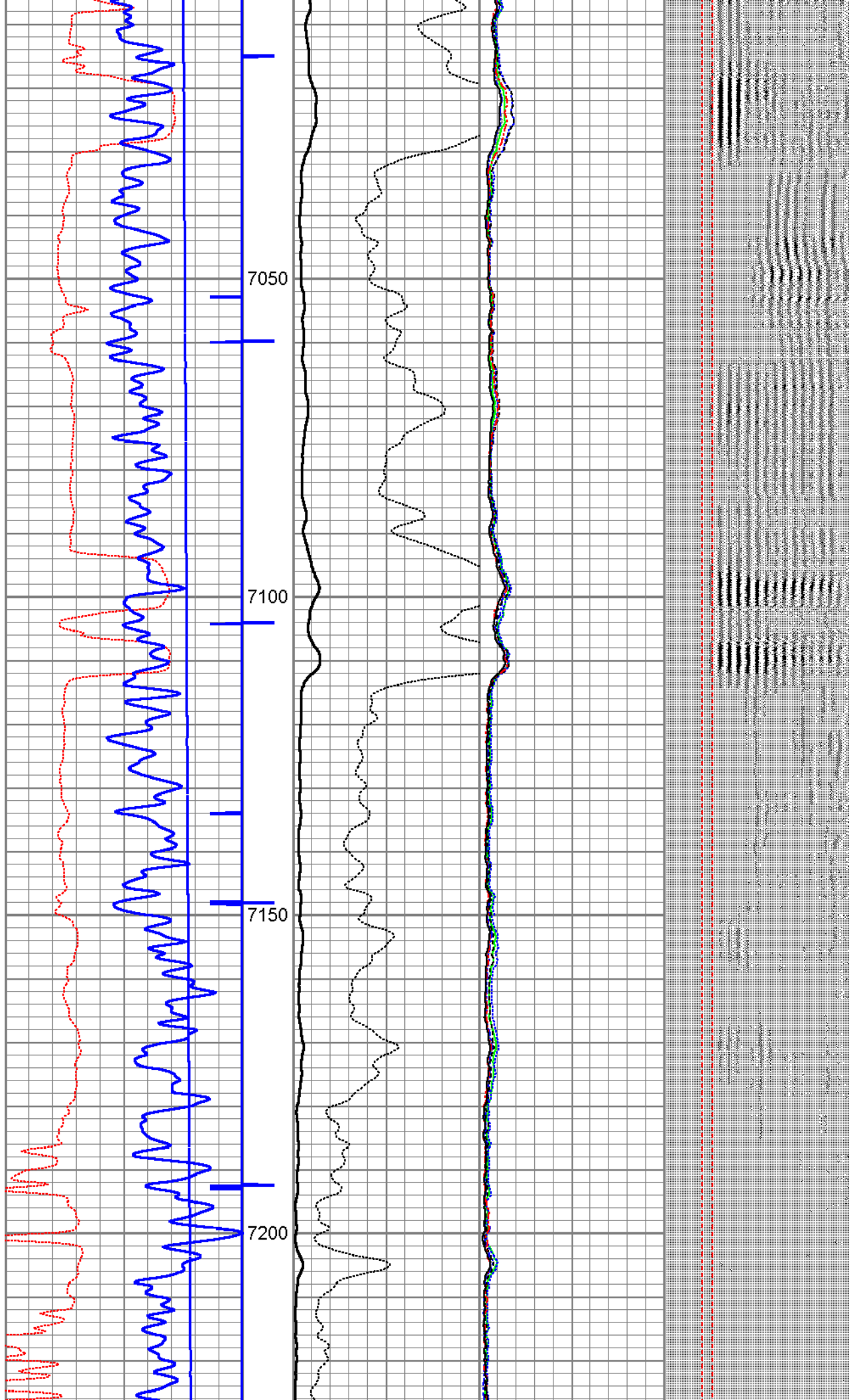




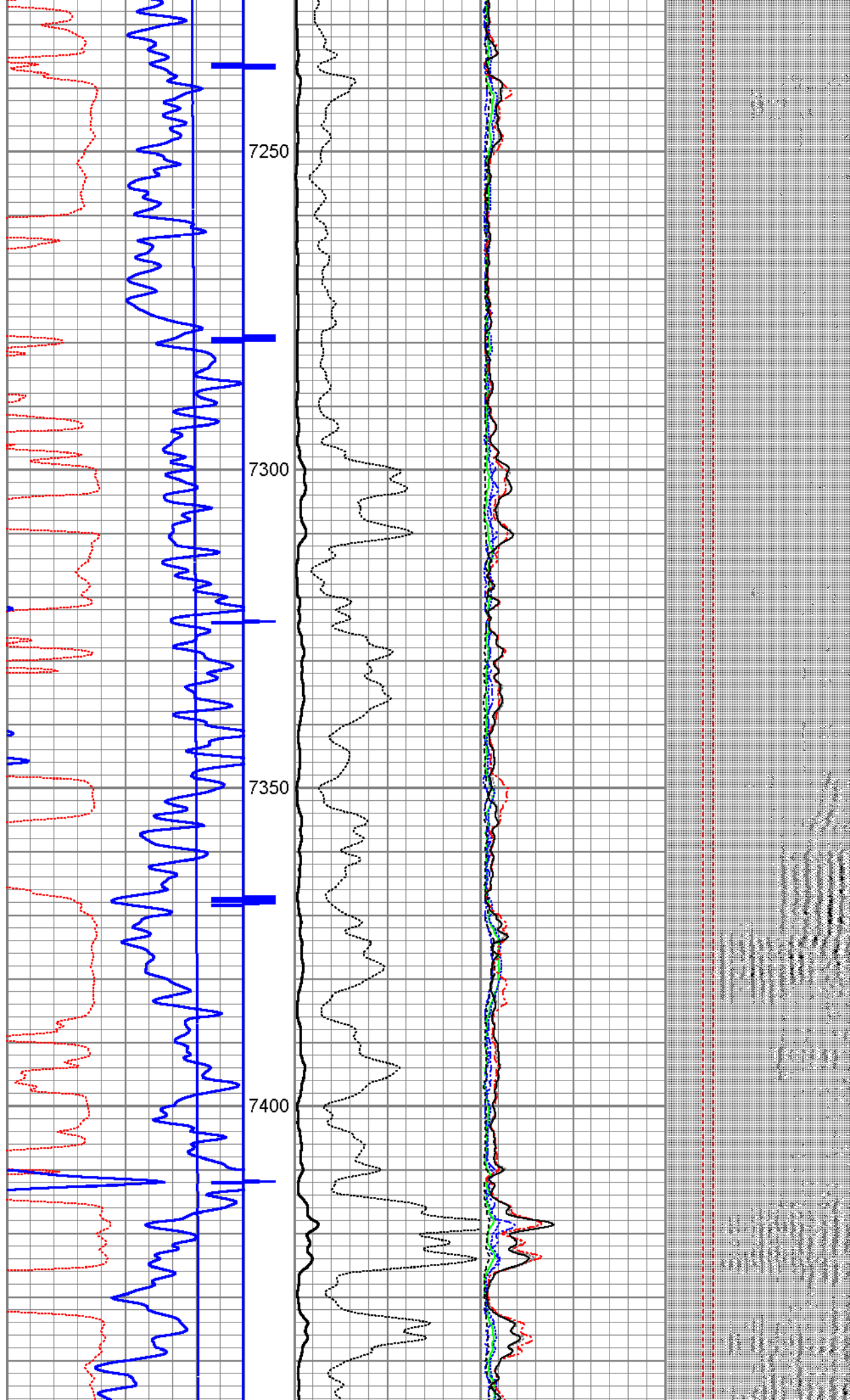


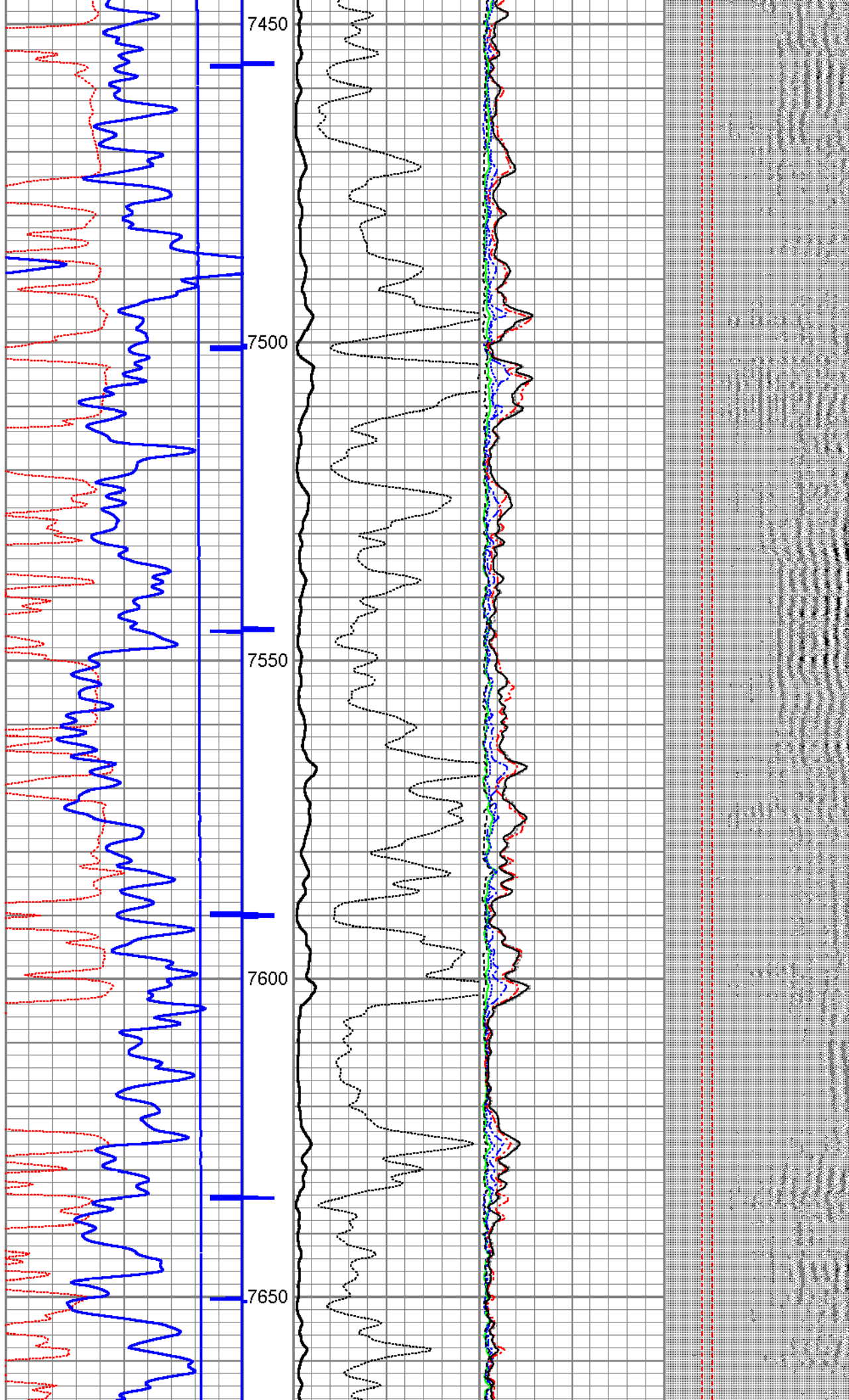




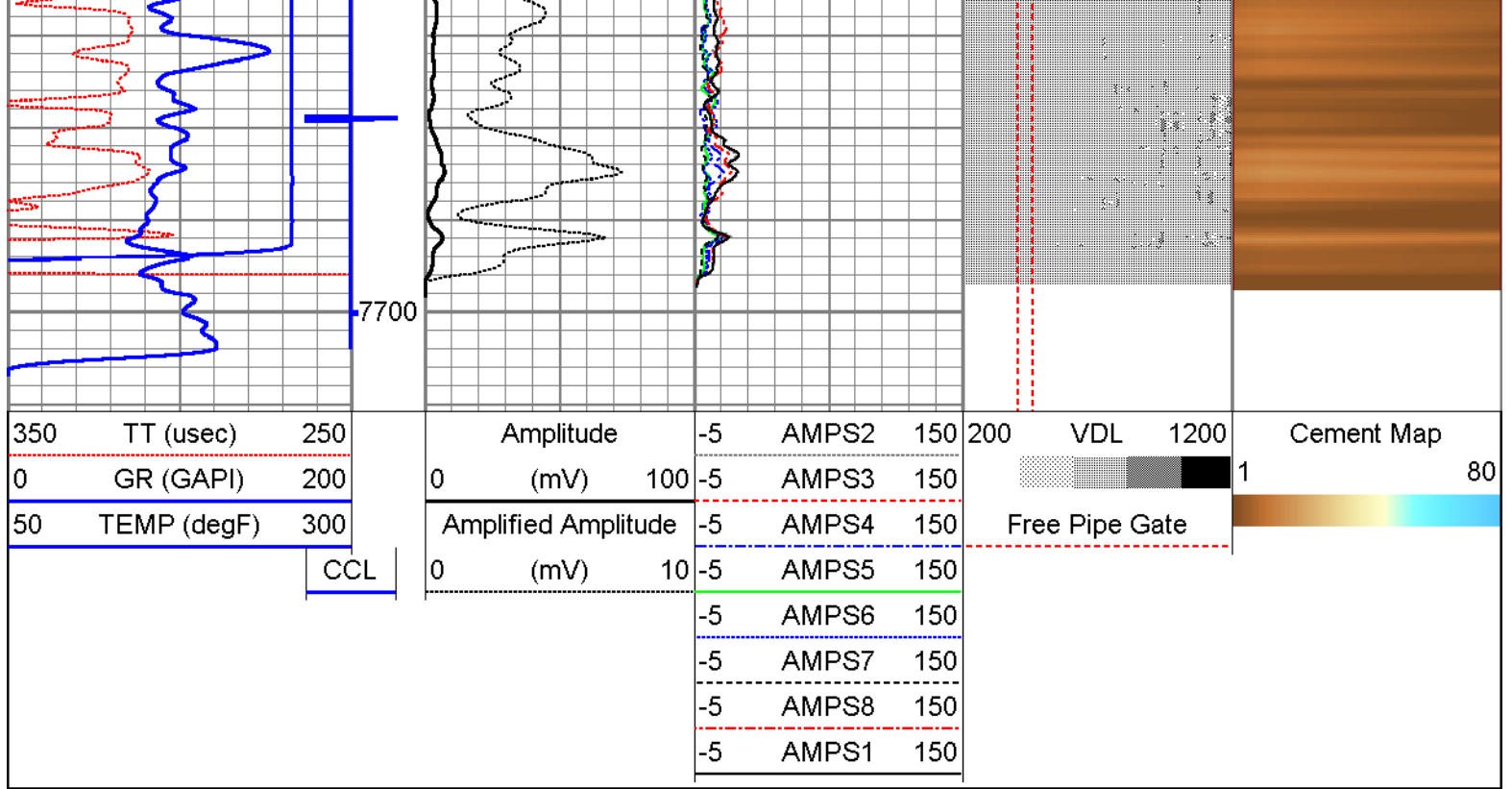




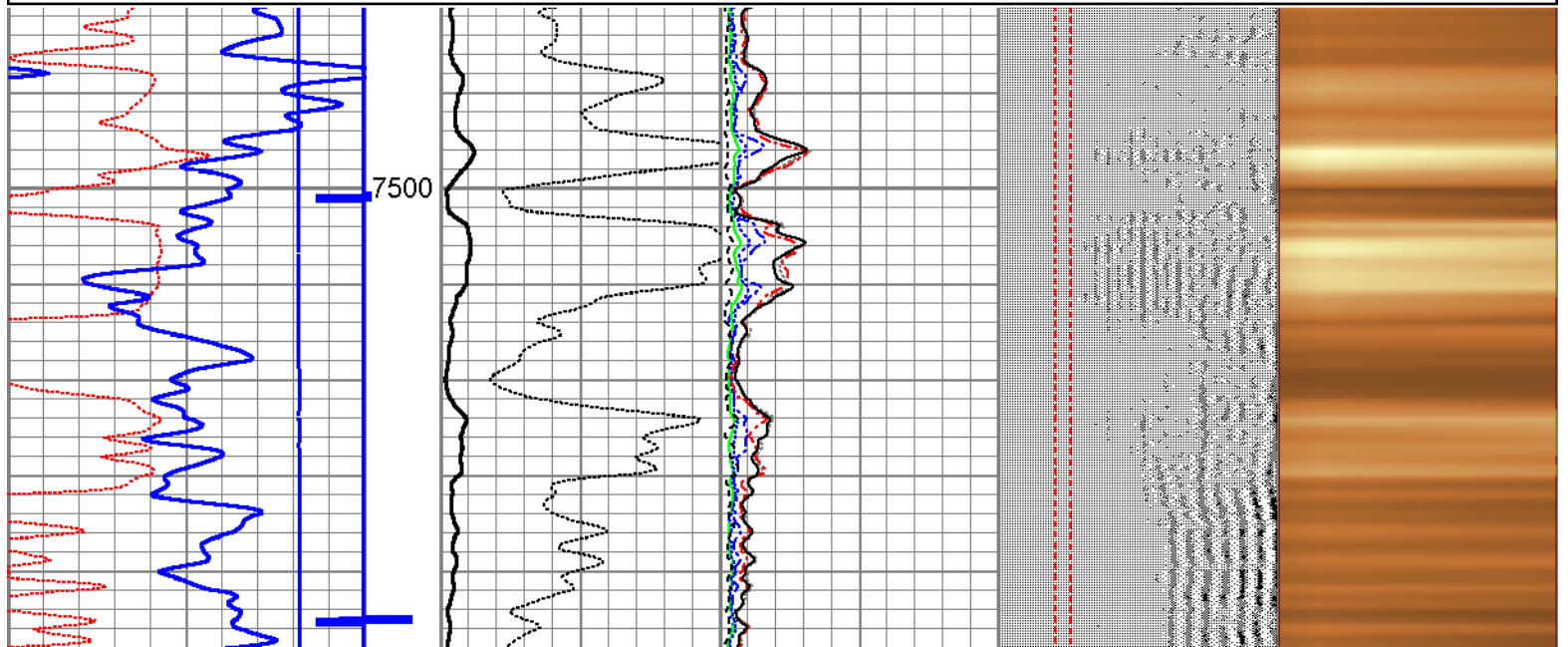
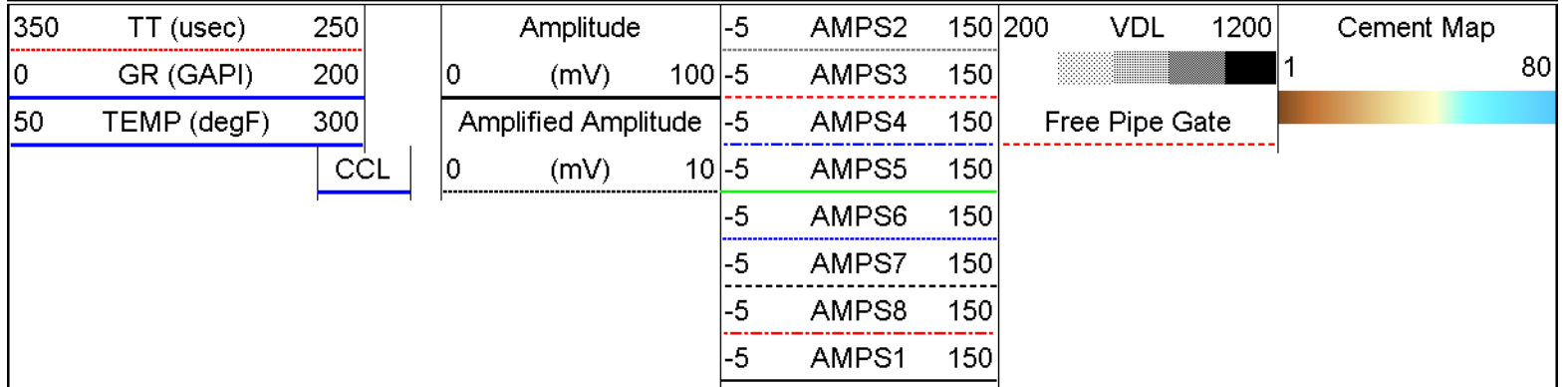


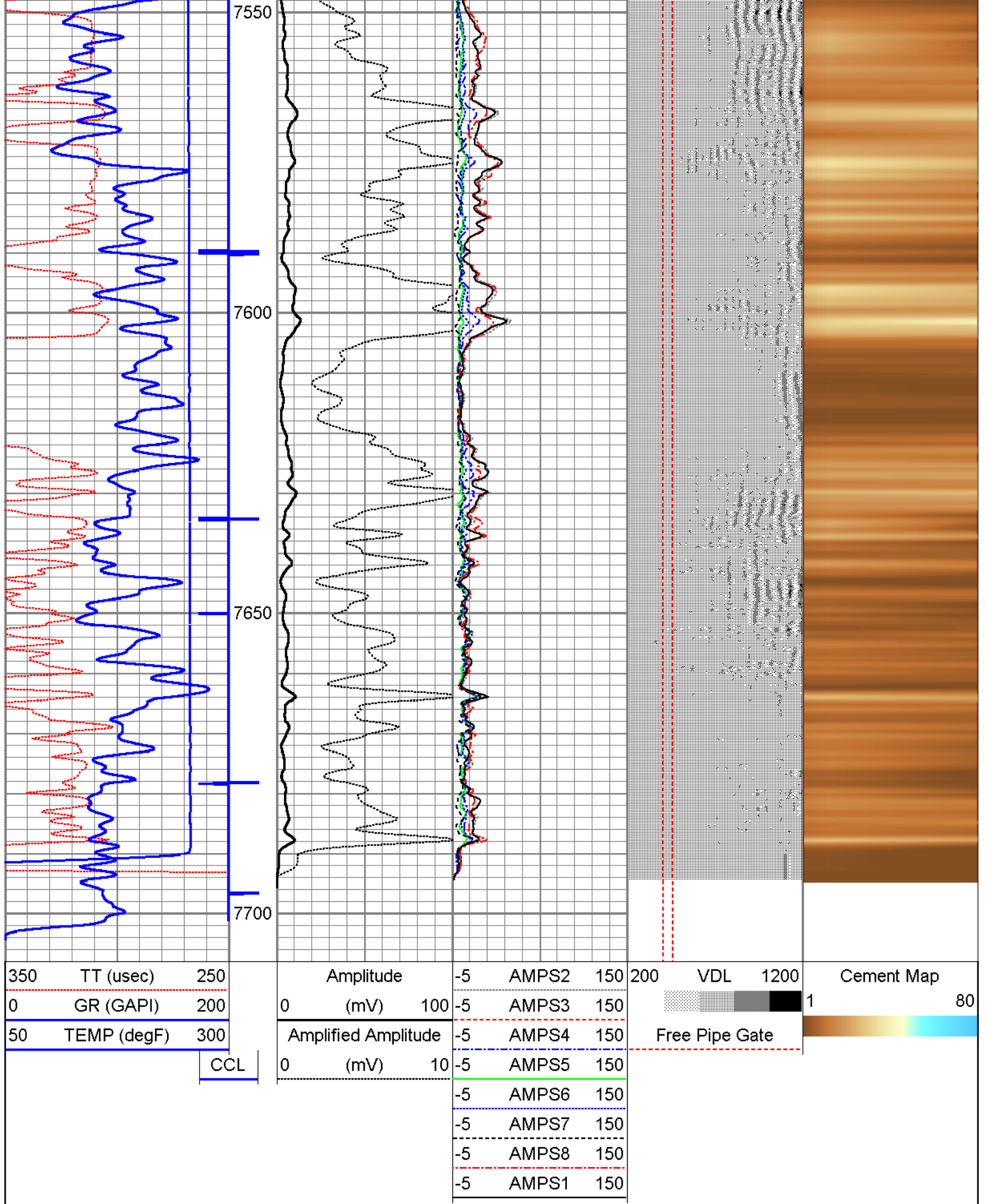






Database File: cub\_creek\_markham\_11.db  
 Dataset Pathname: markham\_1/run1/pass3  
 Presentation Format: rbl55  
 Dataset Creation: Wed Oct 26 10:47:21 2016 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240





## Log Variables

Database: C:\Warrior\Data\cub\_creek\_markham\_11.db  
Dataset: field/markham\_1/run1/pass5

Top - Bottom



XXXX 0	PPT usec 0	CASEWGHT lb/ft 17	MAXAMPL mV 72	MINAMPL mV 1	MINATTN db/ft 0.8	SRFTEMP degF 0
CASEOD in 5.5	PERFS 0	TDEPTH ft 800	BOTTEMP degF 100	BOREID in 7.875		

Database File: cub_creek_markham_11.db		Calibration Report				
Dataset Pathname: markham_1/run1/pass5						
Dataset Creation: Wed Oct 26 10:54:12 2016 by Log 7.0 B1						

Gamma Ray Calibration Report	
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Type / Serial:	Probe275dig / PRO071130
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SHOP CALIBRATION		Fri Aug 15 08:43:12 2014			
	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.8500			GAPI/cps
PRIMARY VERIFICATION		Wed Aug 21 12:04:20 2013			
Background	31.9				cps
Calibrator	198.5				cps
Difference				166.7	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report	
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Serial Number: FW1403-64	
Tool Model: RBT-TEMP	
Calibration Casing Diameter:	5.500 in
Calibration Depth:	55.817 ft

Master Calibration, performed Wed Oct 26 10:19:11 2016:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.023	0.743	2.000	71.921	97.093	-0.244
CAL	0.021	0.899				
5'	0.023	0.684	2.000	71.921	105.730	-0.438
SUM						
S1	0.021	0.797	0.000	100.000	128.914	-2.693
S2	0.010	0.820	0.000	100.000	121.211	-0.120

S2	0.019	0.826	0.000	100.000	124.014	-2.409
S3	0.023	0.795	0.000	100.000	129.411	-2.919
S4	0.022	0.729	0.000	100.000	141.336	-3.071
S5	0.022	0.704	0.000	100.000	146.713	-3.256
S6	0.020	0.702	0.000	100.000	146.668	-2.981
S7	0.021	0.748	0.000	100.000	137.519	-2.926
S8	0.026	0.777	0.000	100.000	133.084	-3.428

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	0.021	0.899	1.000	0.000

Air Zero Calibration, performed Wed Oct 26 10:15:45 2016:

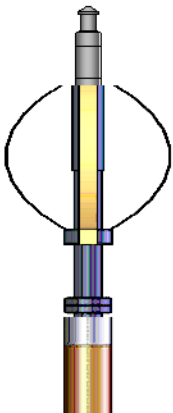
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

### Temperature Calibration Report

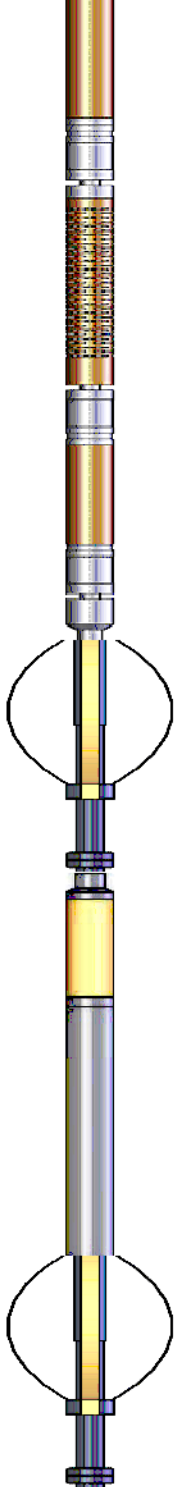
Serial Number: FW1403-64  
Tool Model: RBT-TEMP  
Performed: Sun Jun 13 13:33:21 1993

	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

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	16.86					
WVFS3FT	14.72		RBT-RBT-TEMP (FW1403-64) Probe 2.75" Radii Bond w/Temp Tool	9.17	2.75	90.00
WVFCAL	14.72					
WVFS1	14.72					
WVFS2	14.72					
WVFS3	14.72					
WVFS4	14.72					
WVFS5	14.72					
WVFS6	14.72					
WVFS7	14.72					
WVFS8	14.72					
WVFS5FT	13.72					
CCL	6.75					
DCCL	6.75					
GR	5.42					



Company	CUB CREEK ENERGY
Well	MARKHAM 11
Field	WATTENBERG
County	WELD
State	CO