

**Brand X**  
**Wireline LLC**

**GAMMA RAY, CCL**  
**CEMENT BOND, VDL**

Company PUBLIC SERVICE CO. OF COLORADO  
Well ROUND UP STORAGE WELL #8  
Field ROUND UP  
Parish MORGAN State COLO

Location: API # : 05-087-07480-00

SEC 22 TWP 2N RGE 60W

GL Elevation

Permanent Datum  
Log Measured From  
Drilling Measured From

Elevation  
K.B.  
D.F.  
G.L.

Date AUG-11-2021

Run Number	ONE
Depth Driller	6520
Depth Logger	6392
Bottom Logged Interval	6396
Top Log Interval	SURFACE
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	NA
Estimated Cement Top	SEE LOG
Time Well Ready	ROA
Time Logger on Bottom	12:15 PM
Equipment Number	BV
Location	STERLING, CO
Recorded By	K. GIRDLER
Witnessed By	G. CHANDLER

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5	15.5	SURFACE	6520
Liner				

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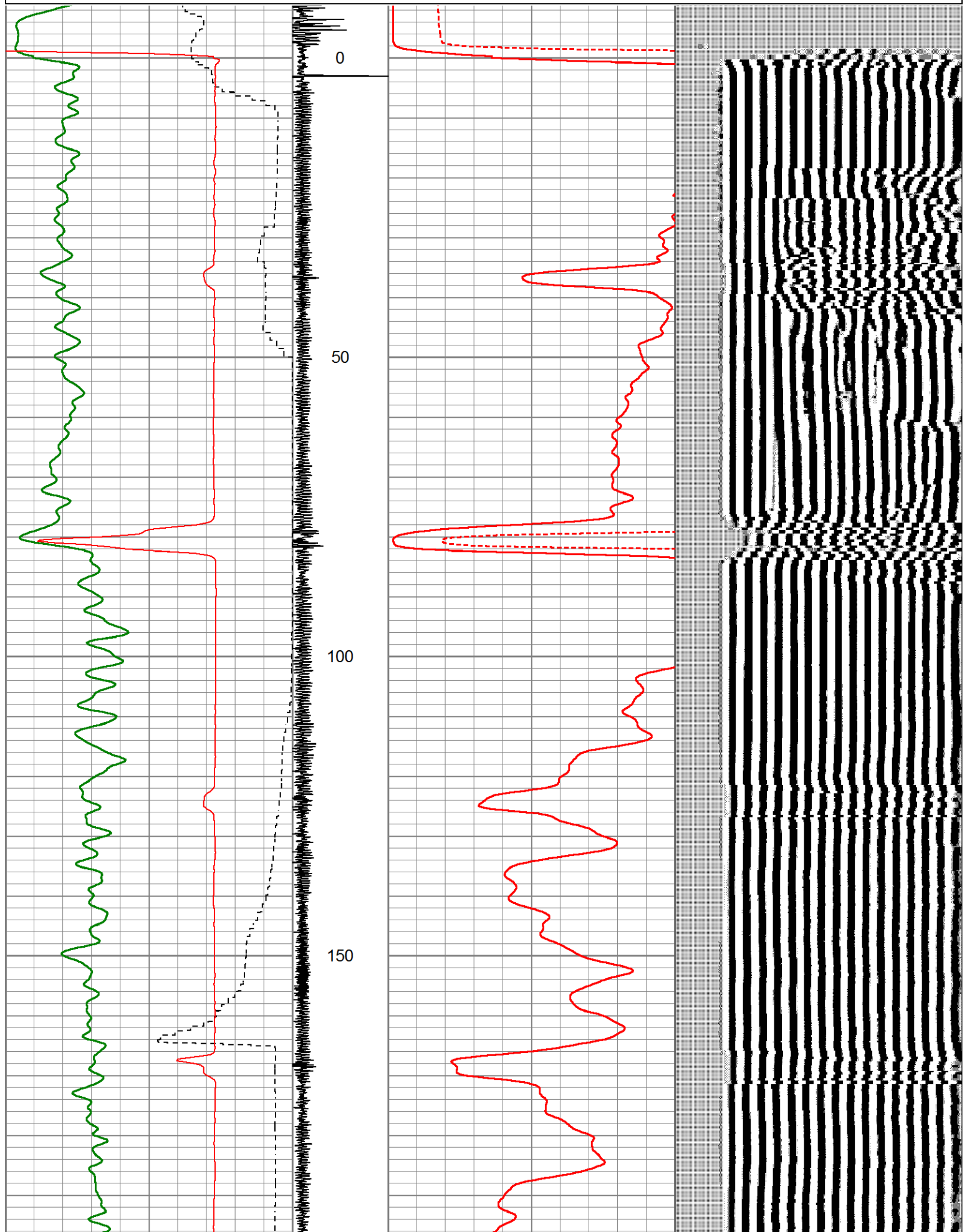
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

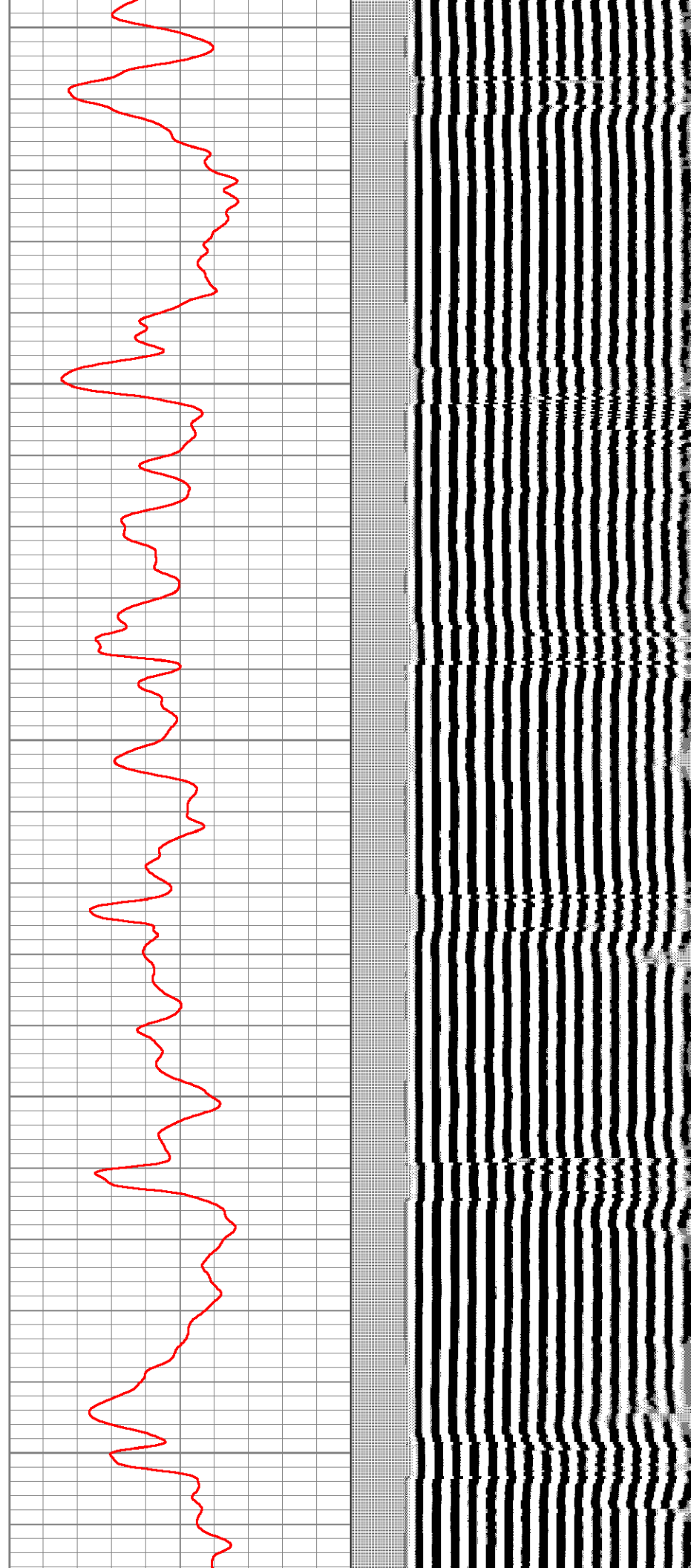
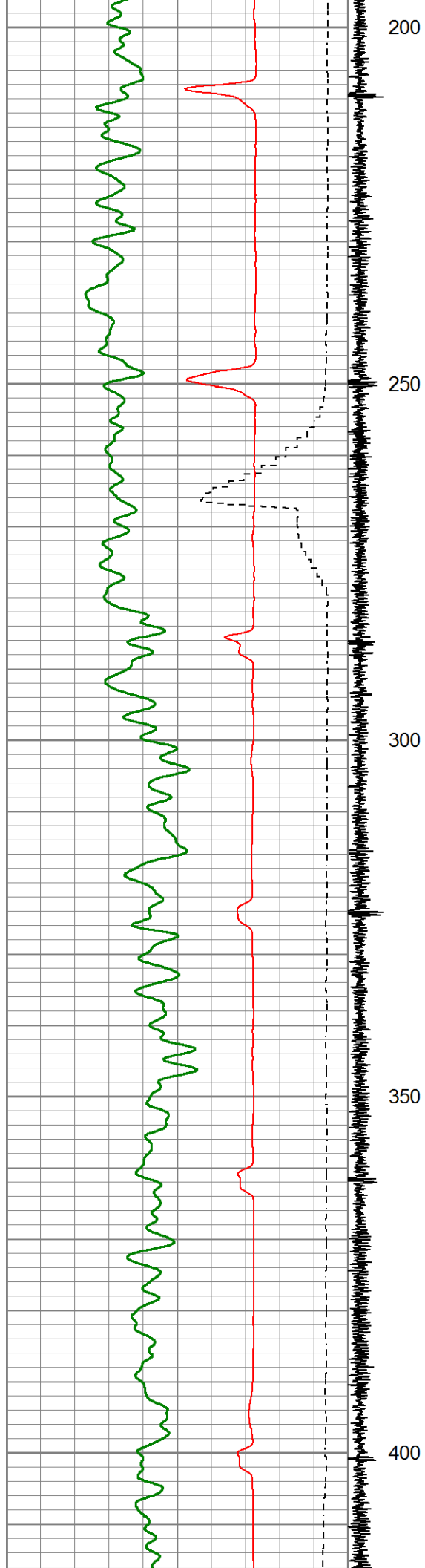
Comments

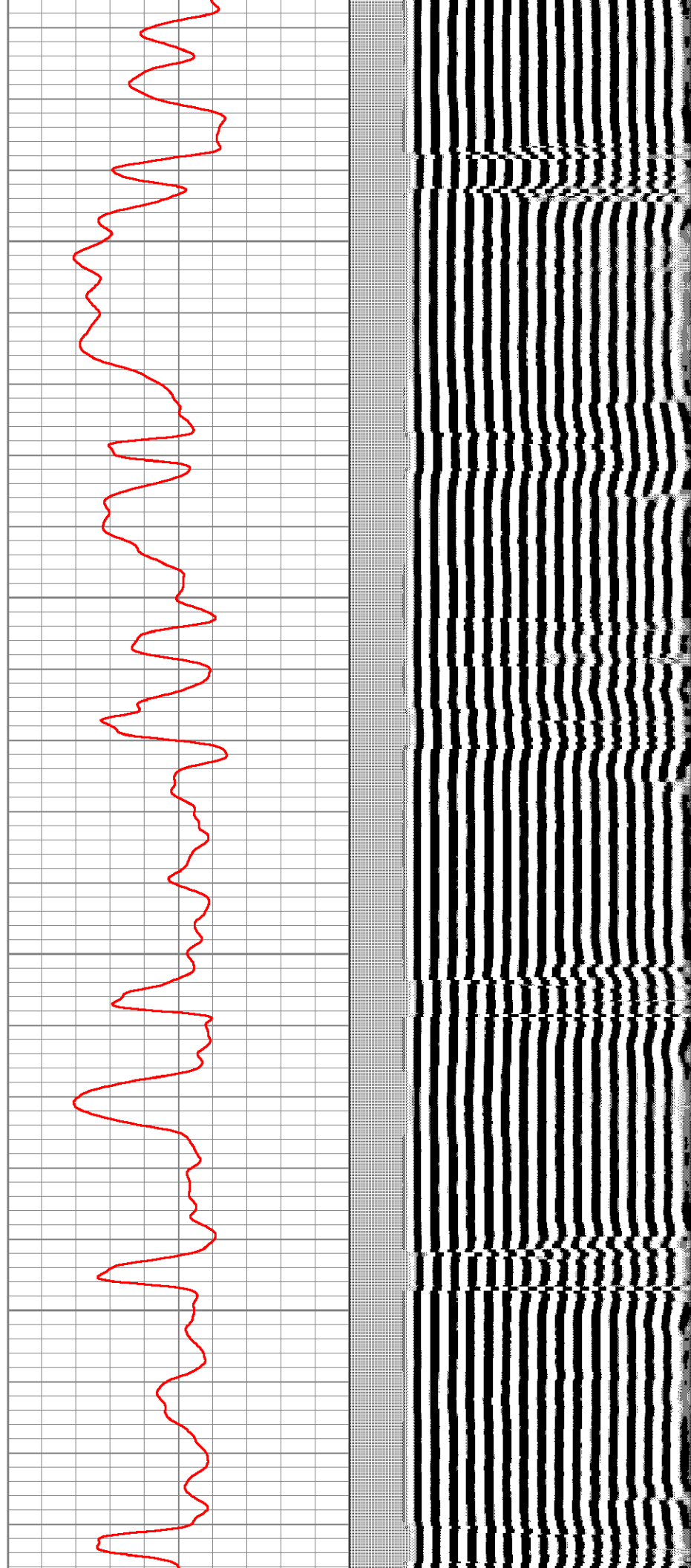
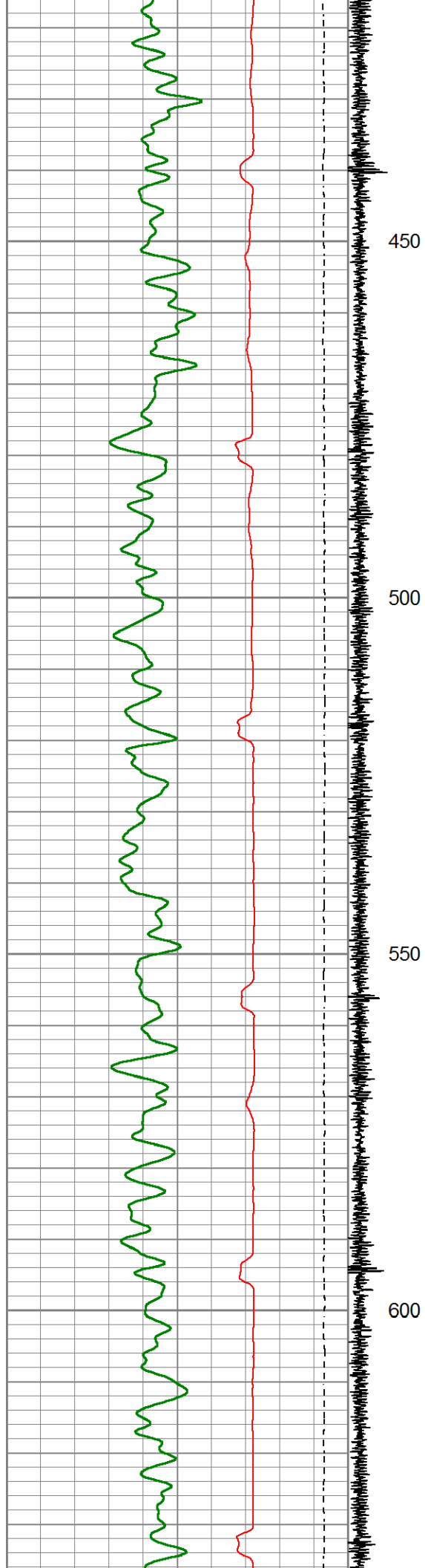
THANK YOU FOR USING BRAND-X WIRELINE

Database File roundup storage field well #8.db  
Dataset Pathname CBL5  
Presentation Format cbl\_drs  
Dataset Creation Wed Aug 11 13:15:08 2021  
Charted by Depth in Feet scaled 1:240

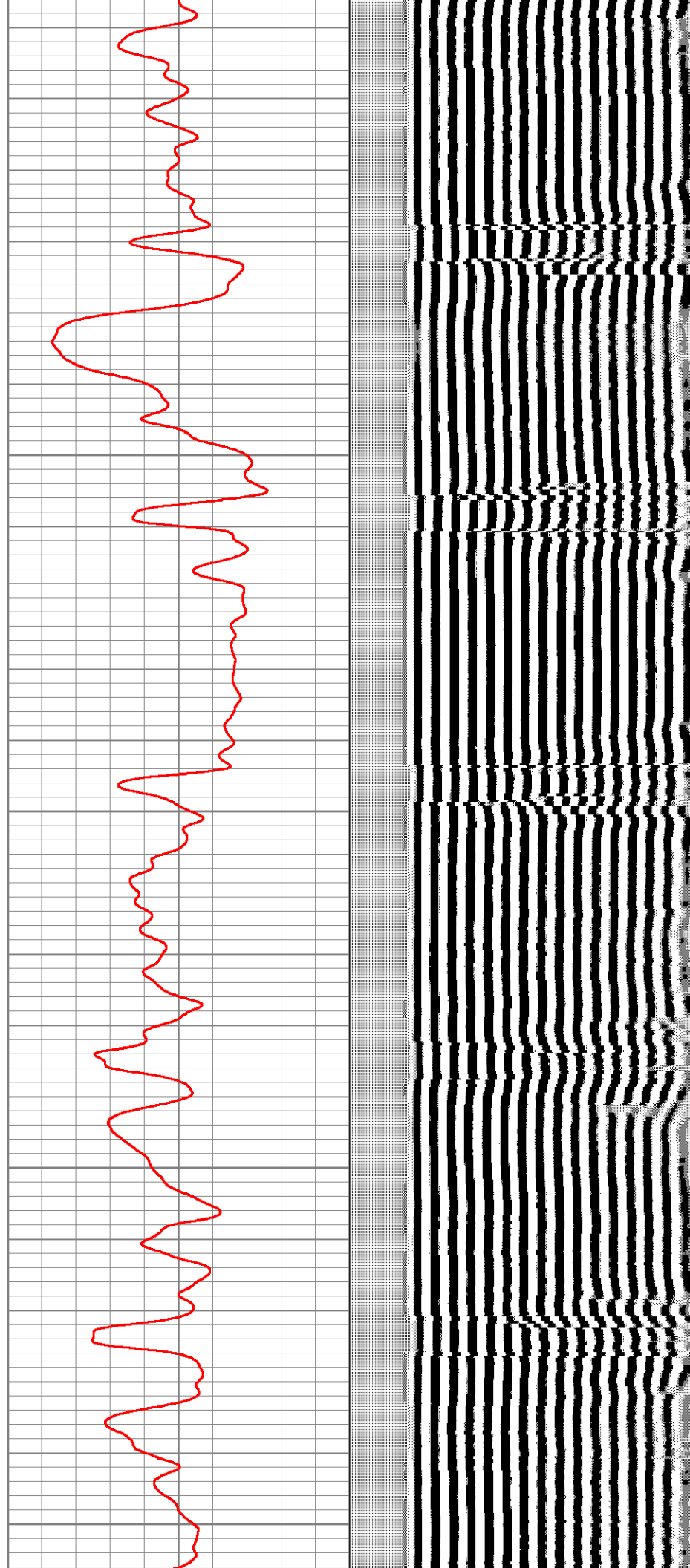
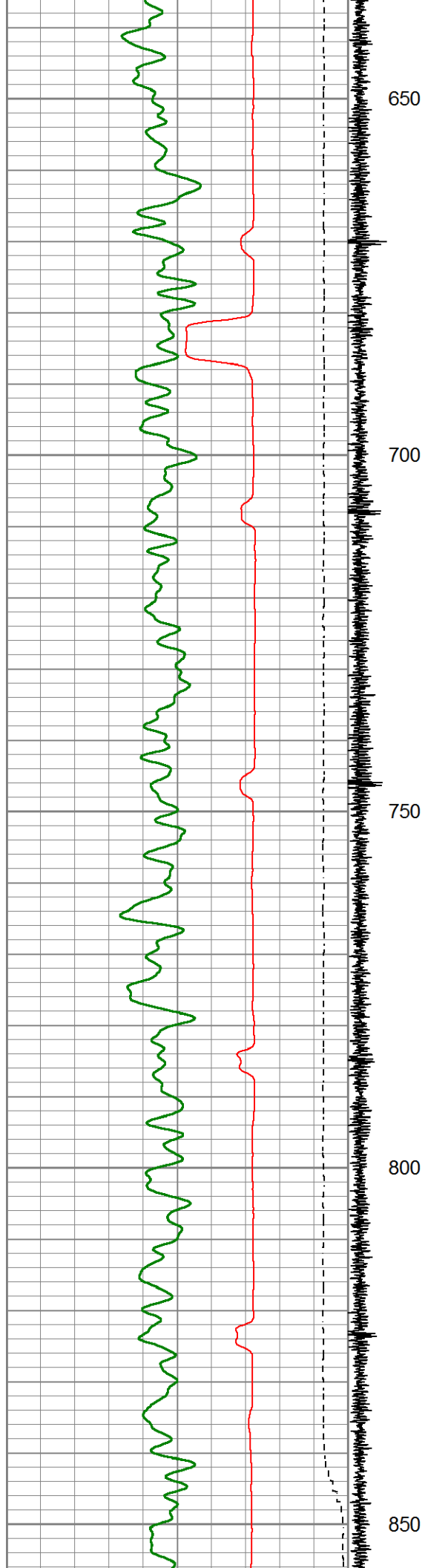
0	Gamma Ray	150	Collar Location	0	AMP AMPLITUDE (mV)	10	200	VDL	1200
100	Line Speed (ft/min)	-100	-1	9	0	AMP AMPLITUDE (mV)	100		
400	TT3FT (usec)	200							

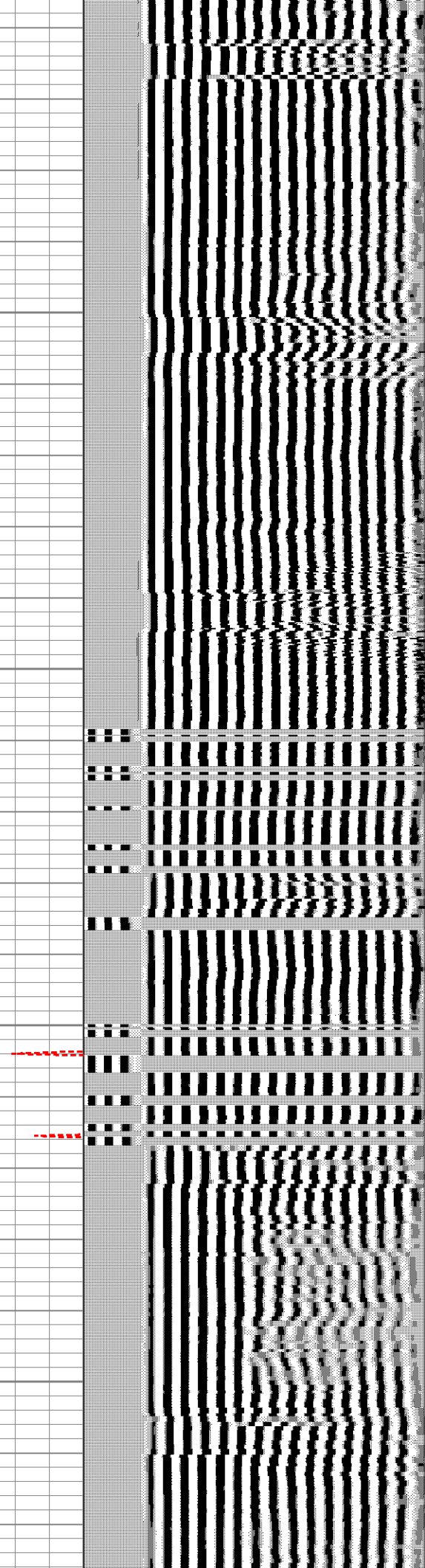
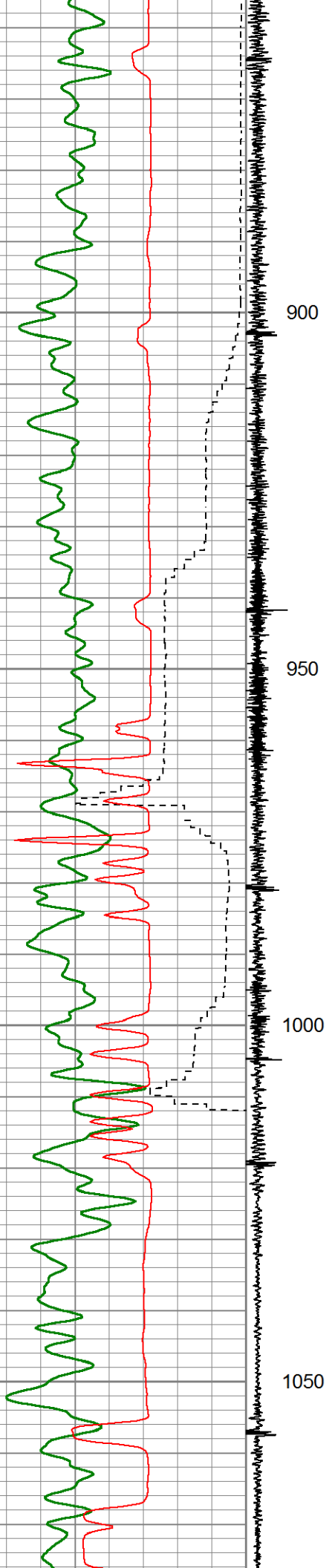


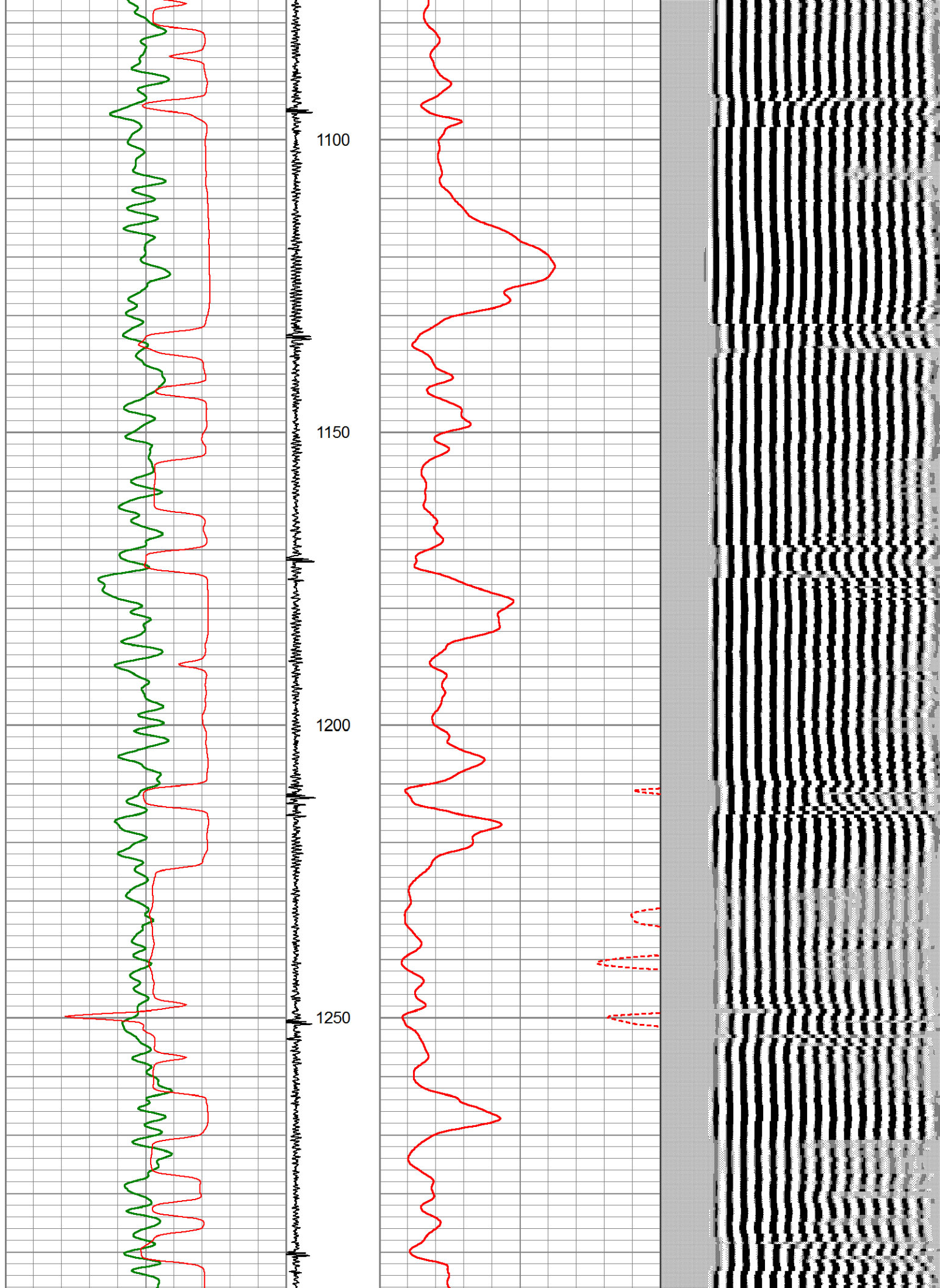




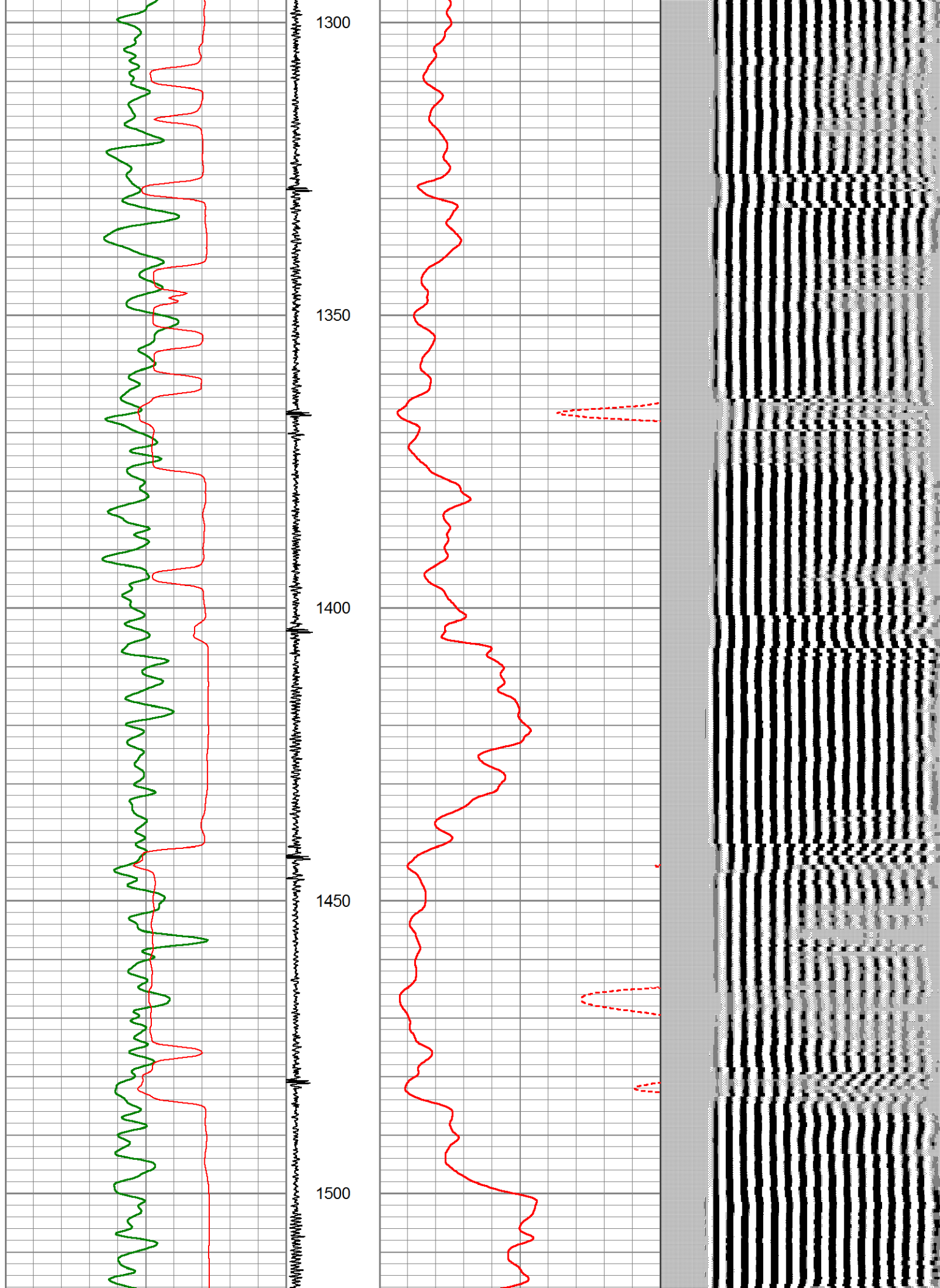




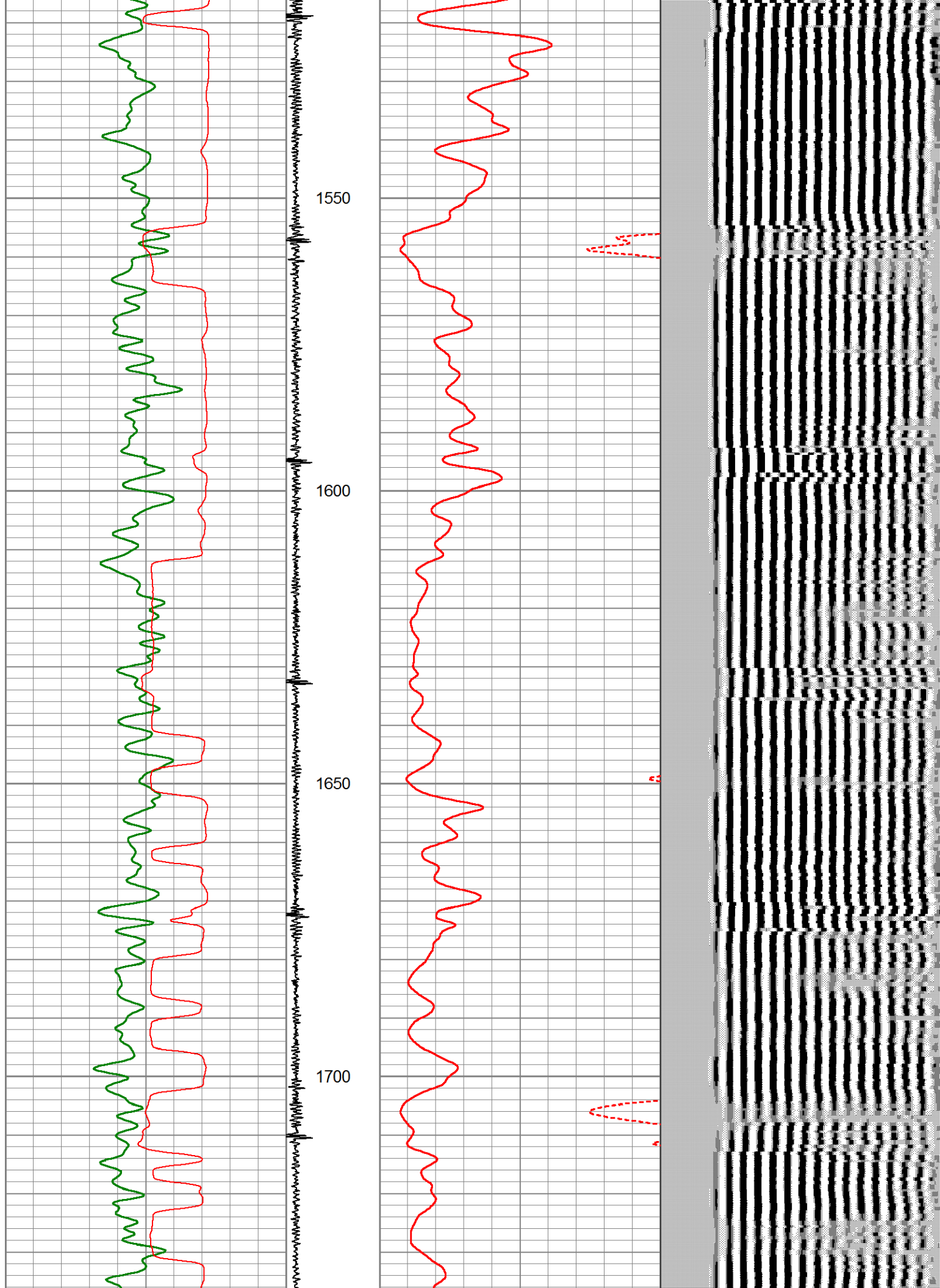


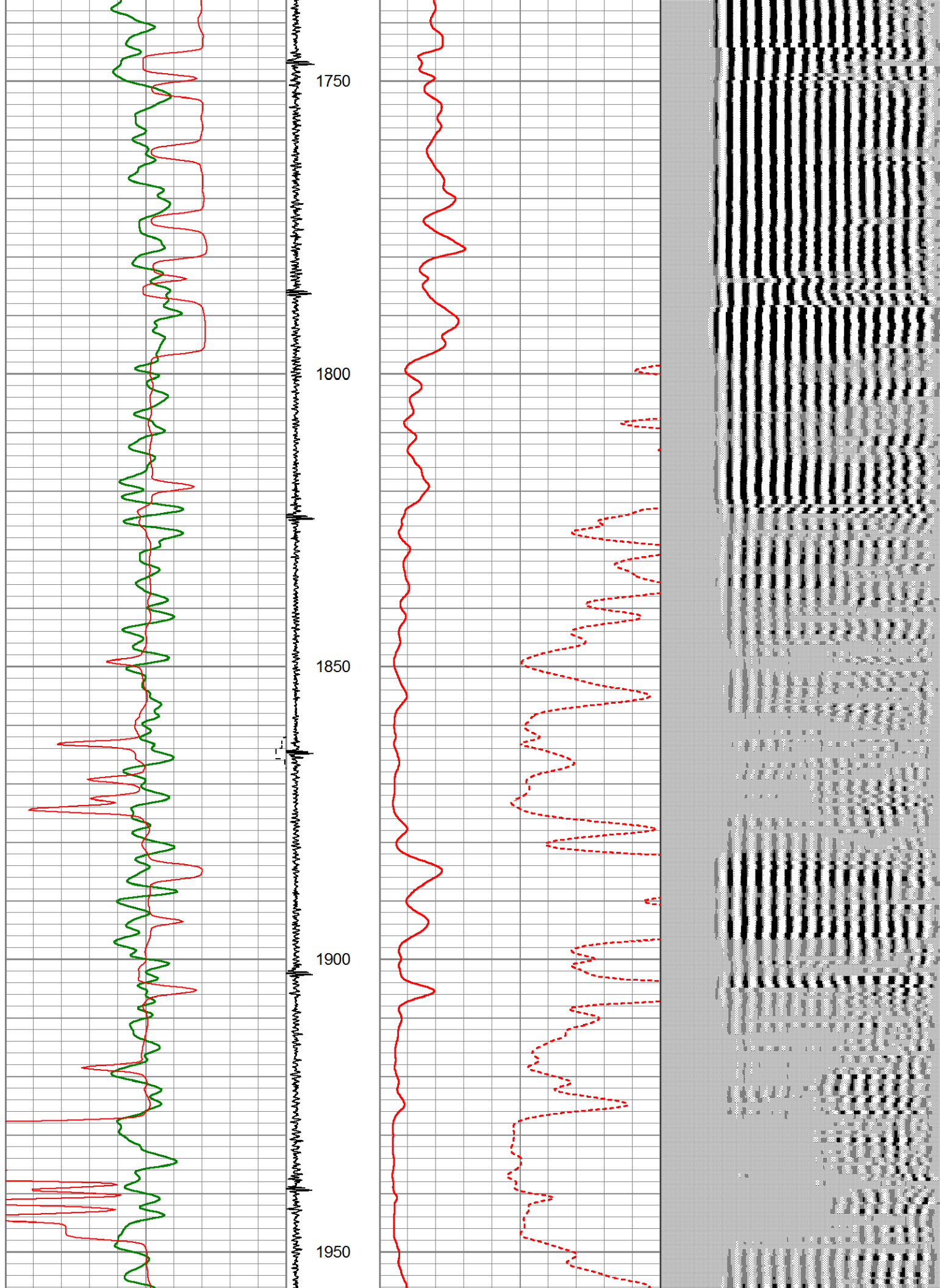


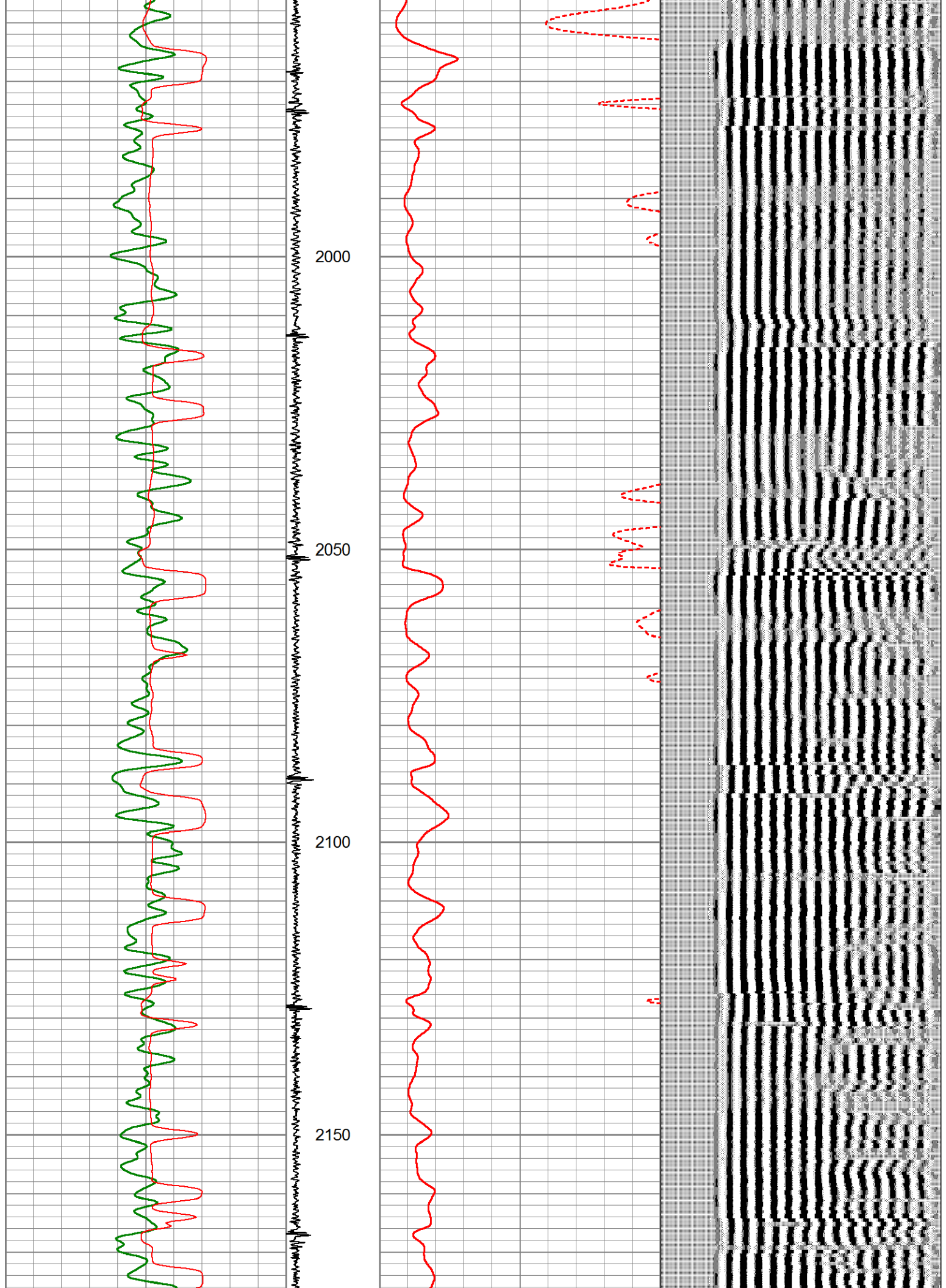




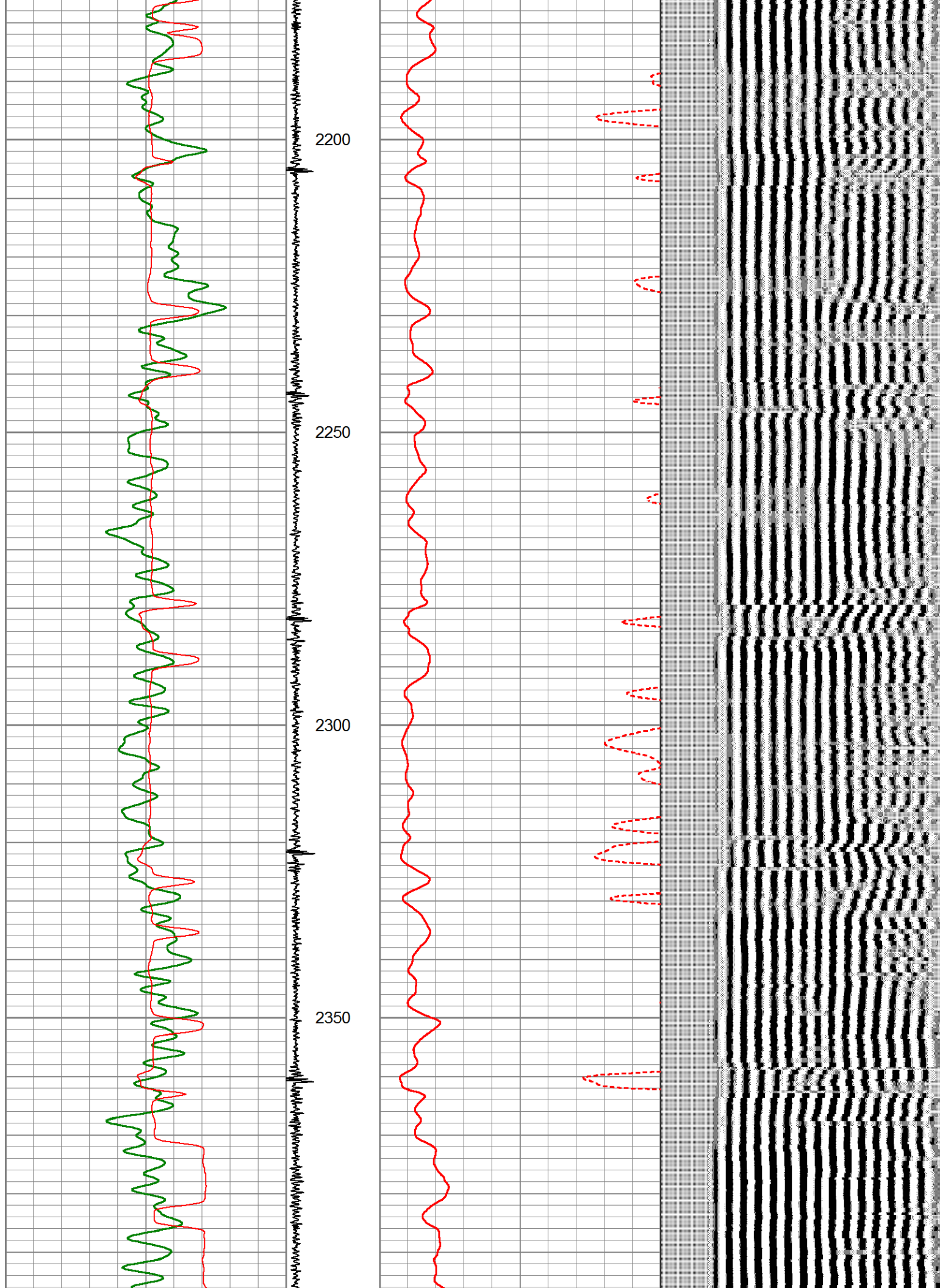


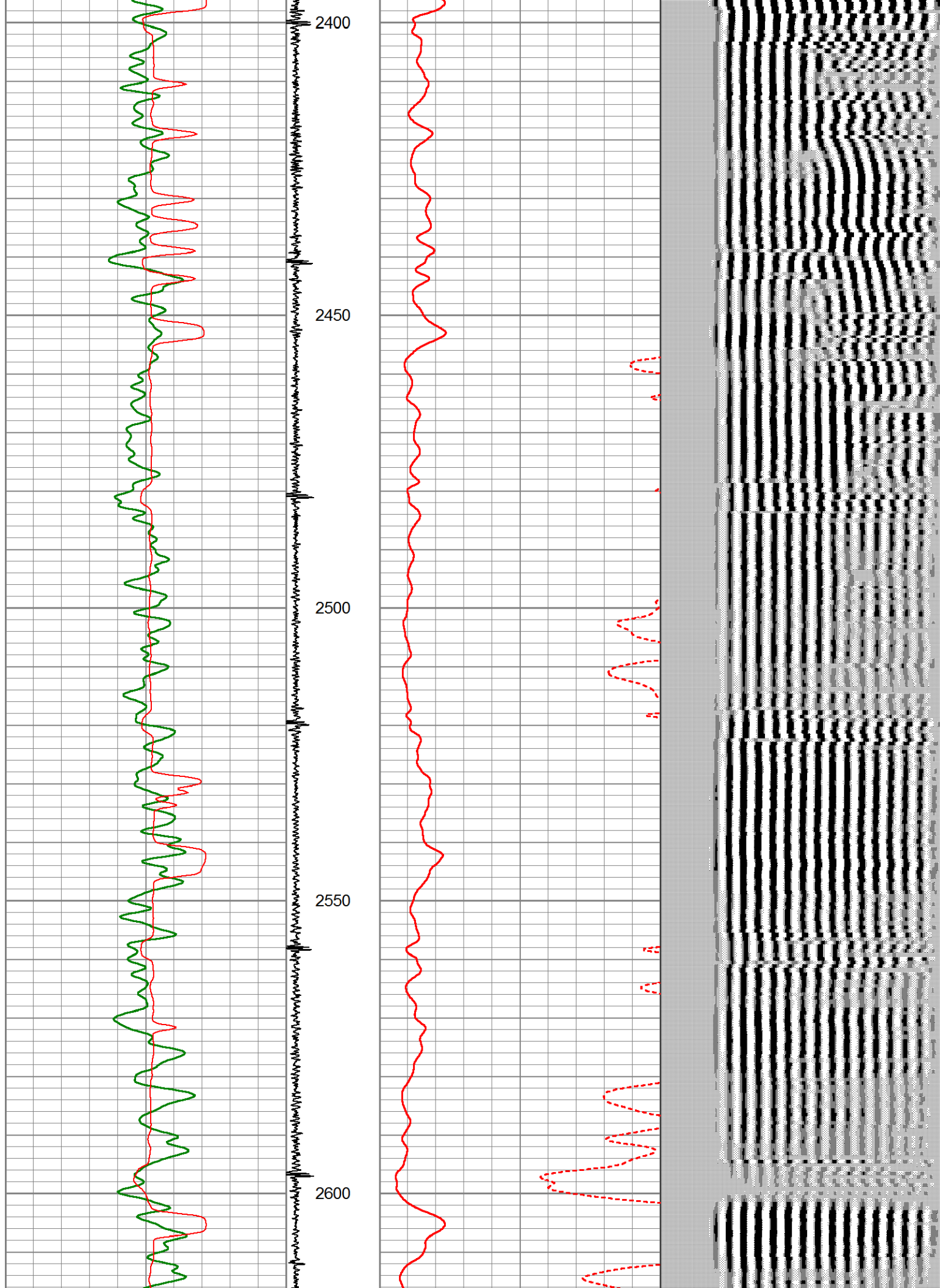


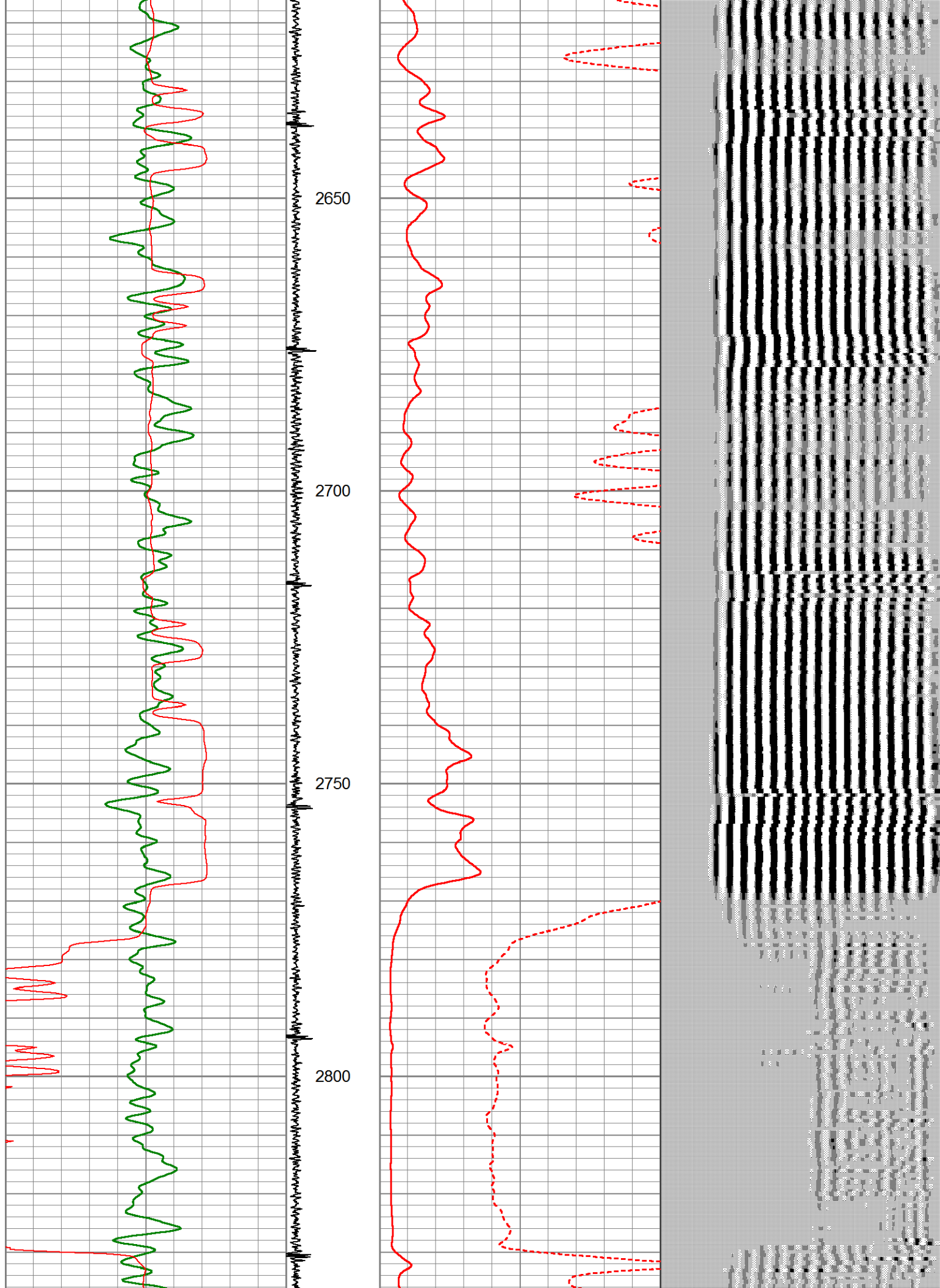




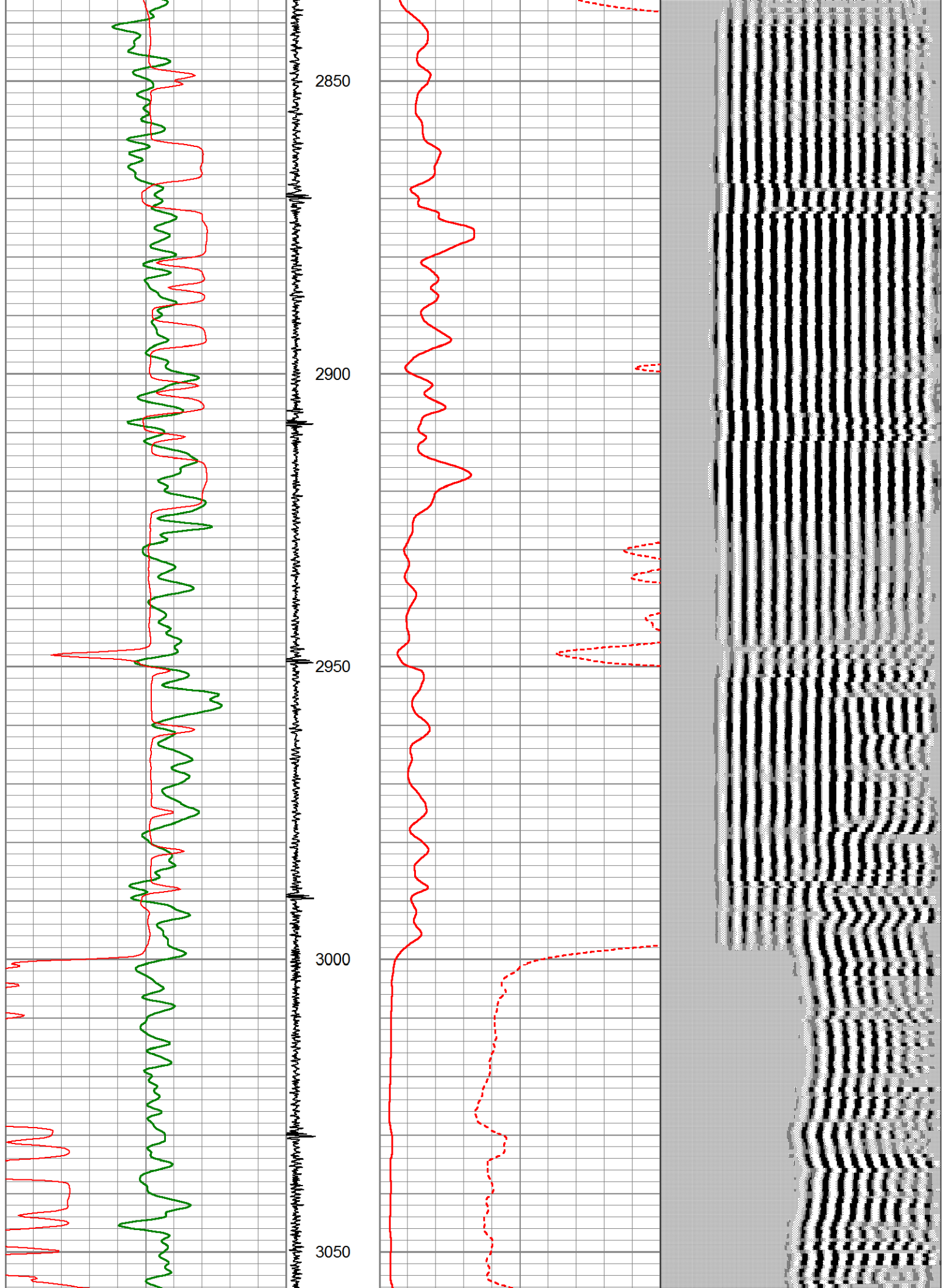


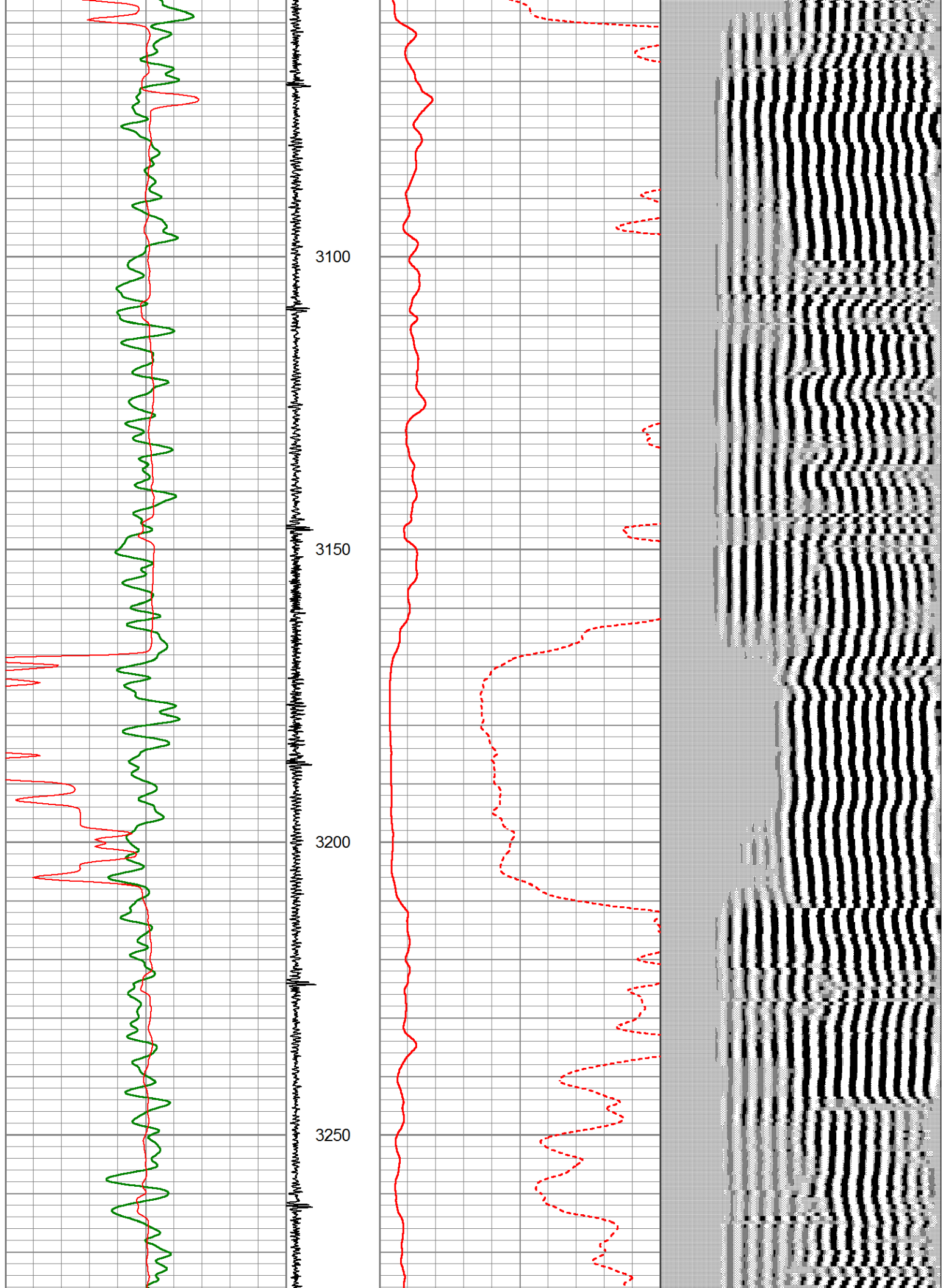




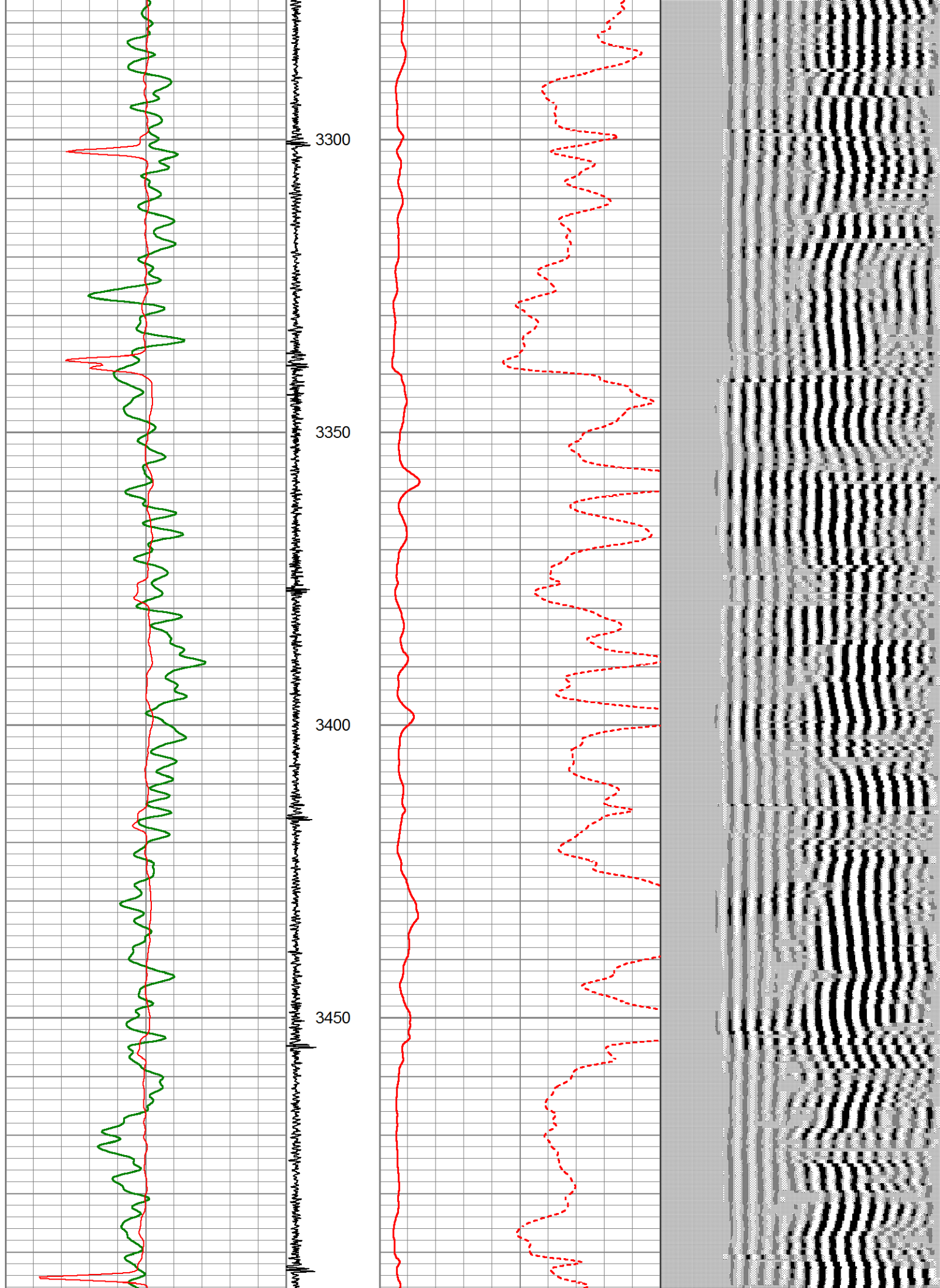




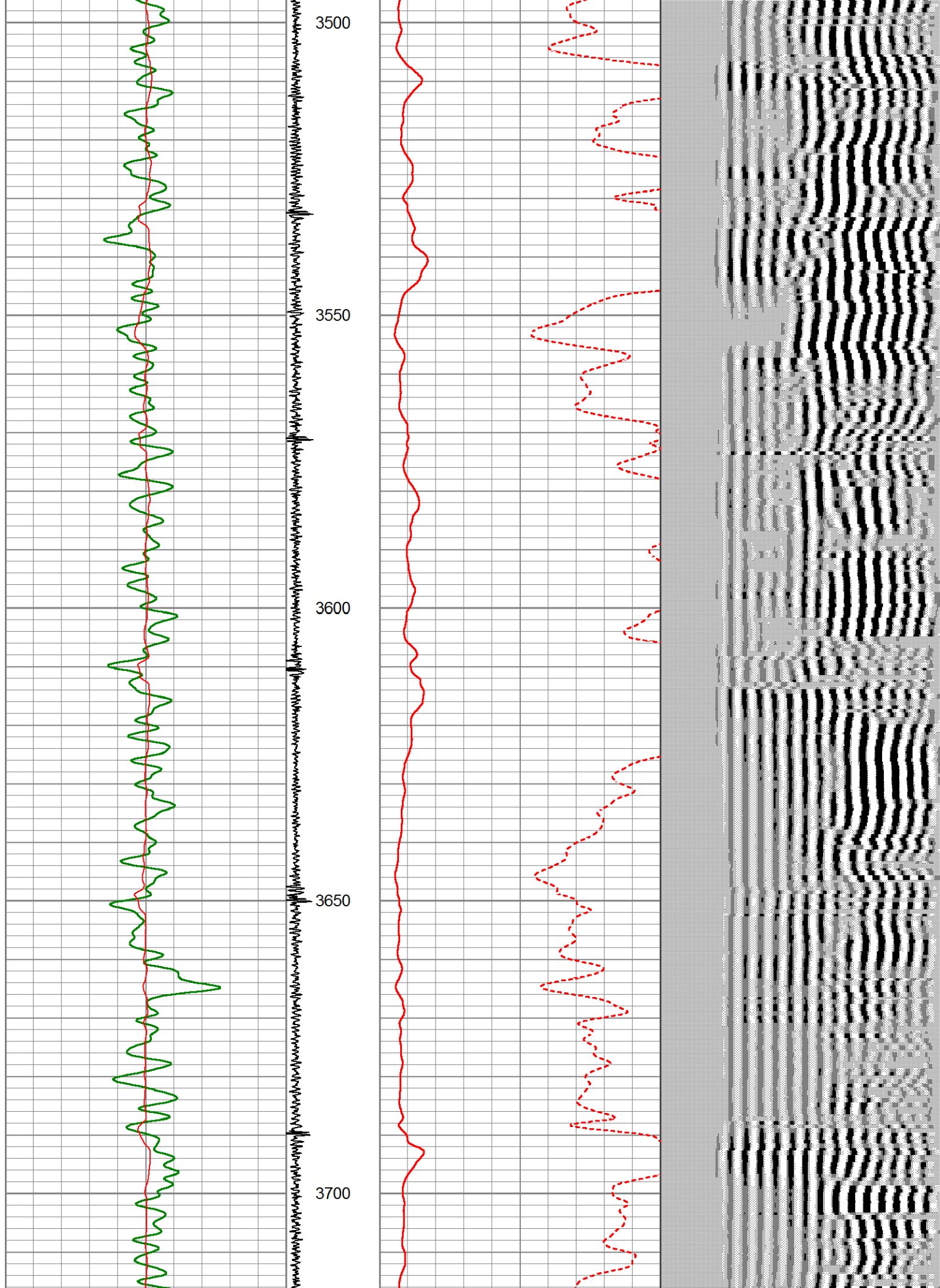


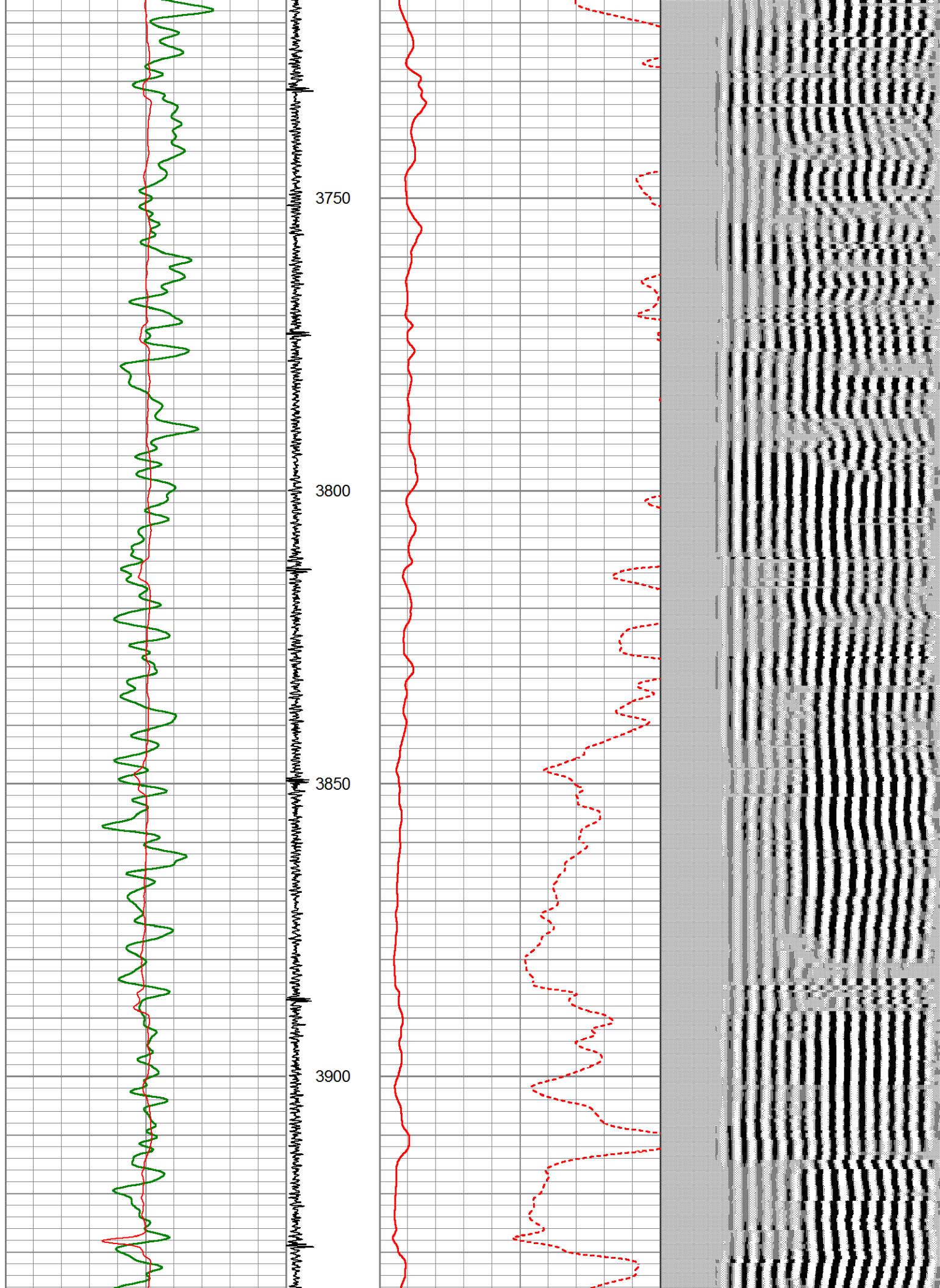




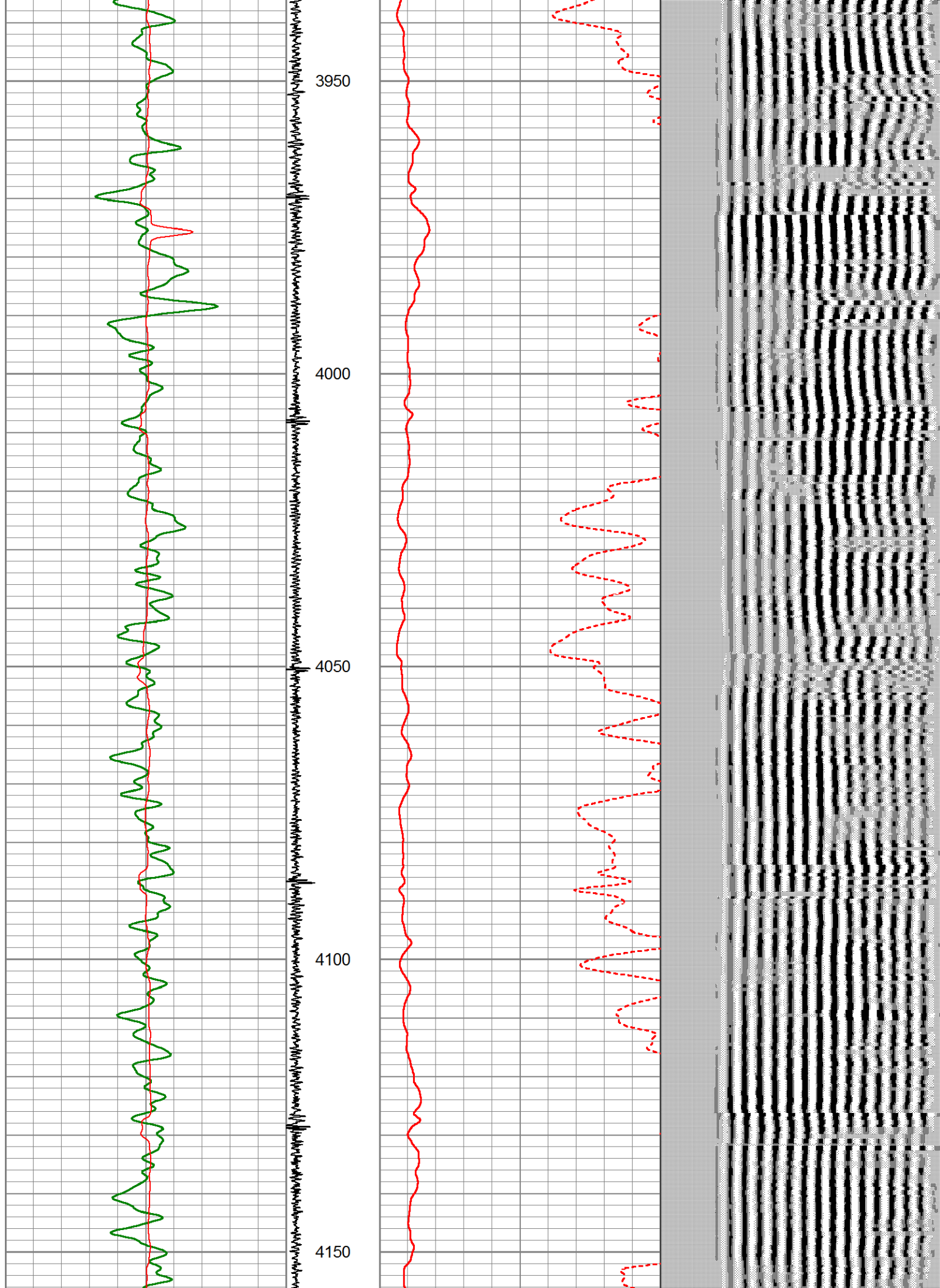




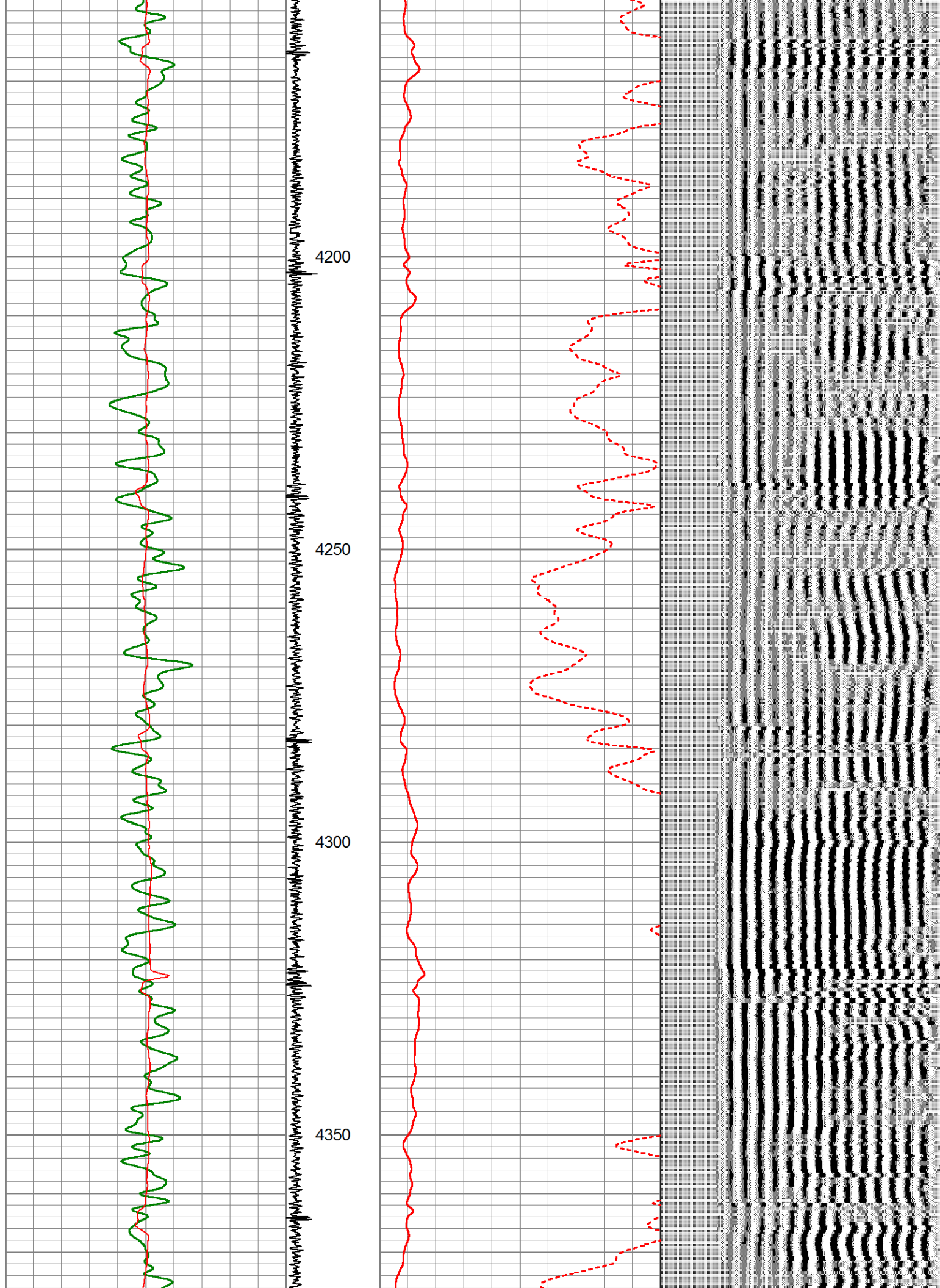


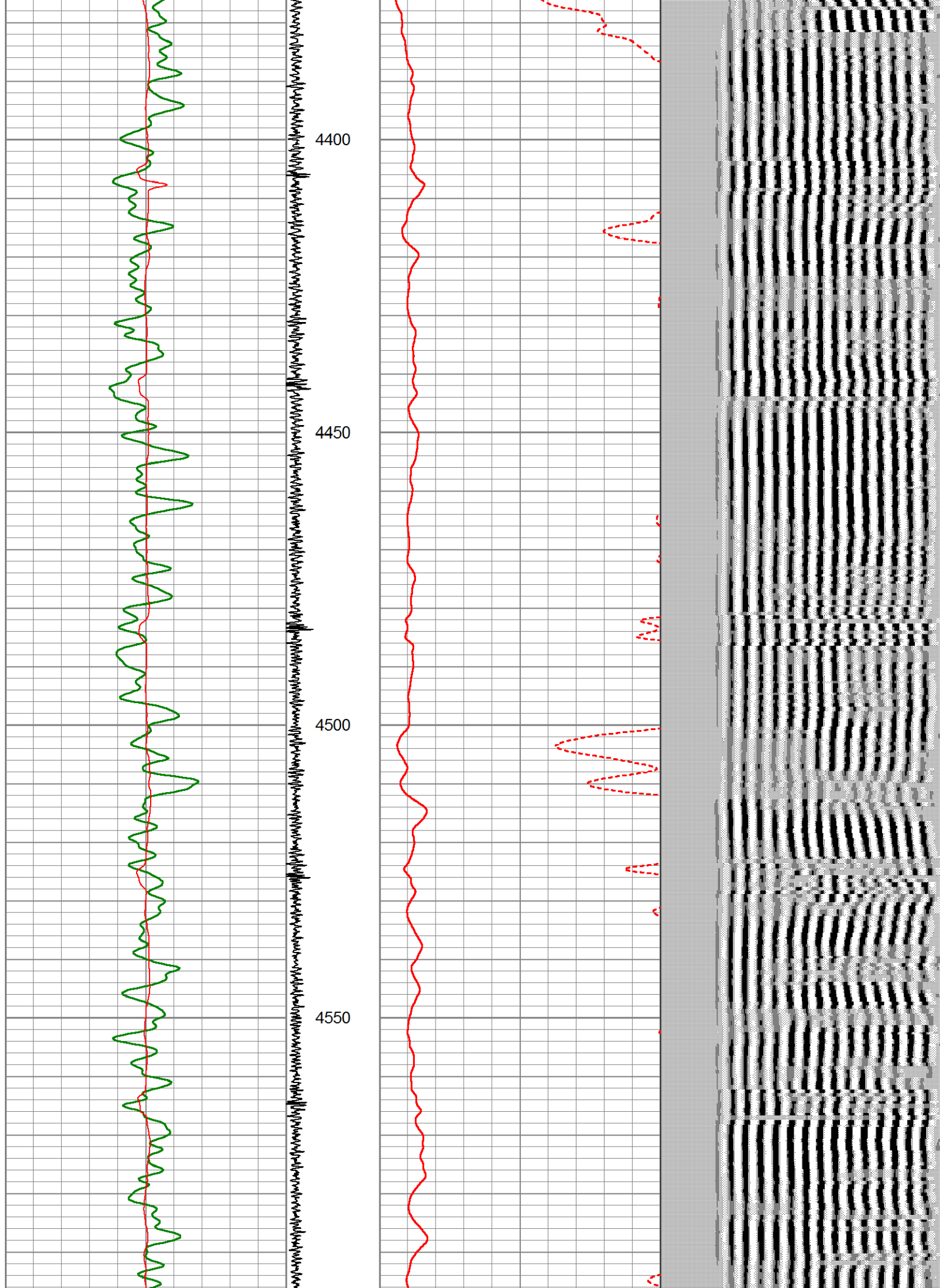




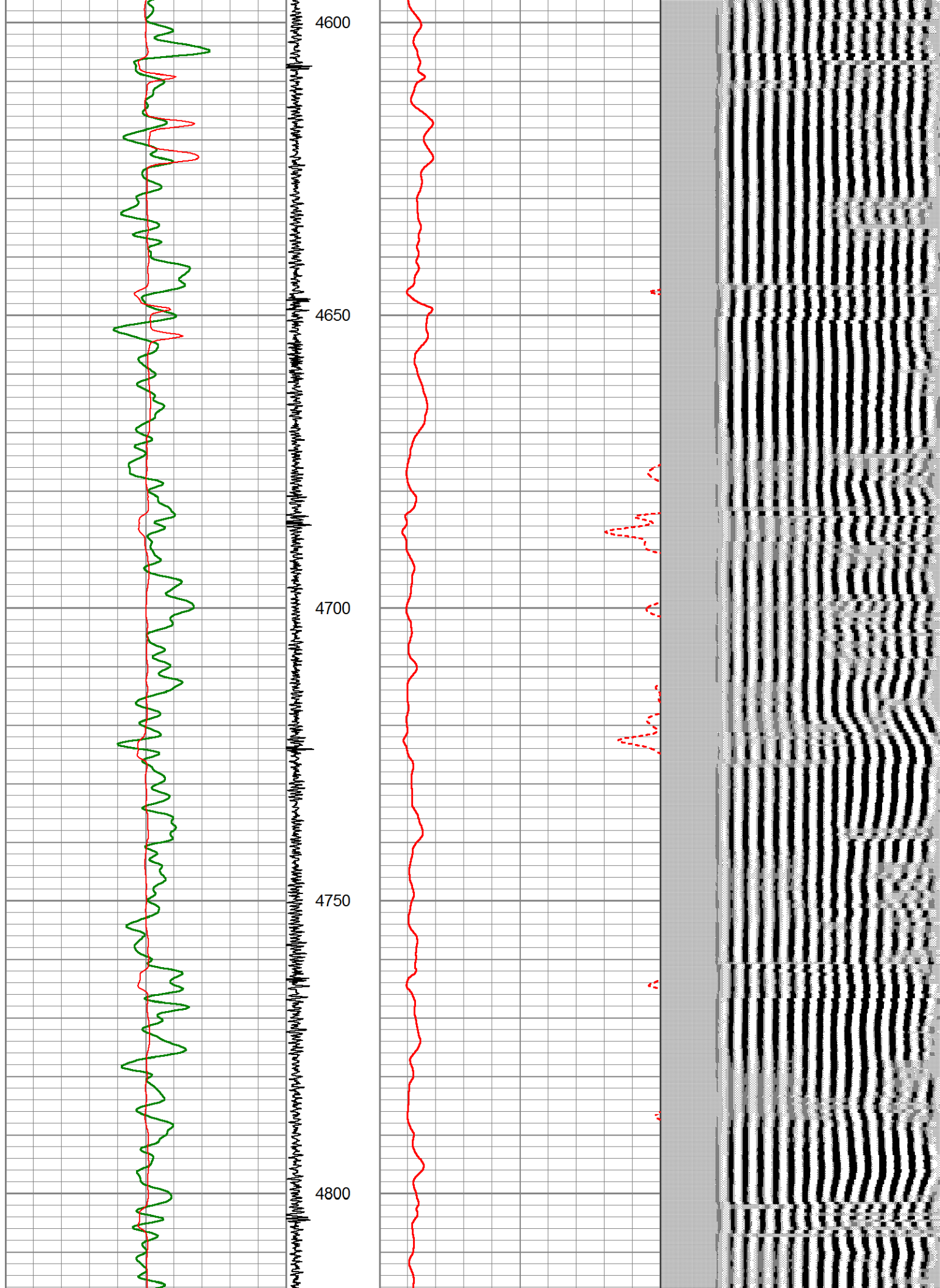




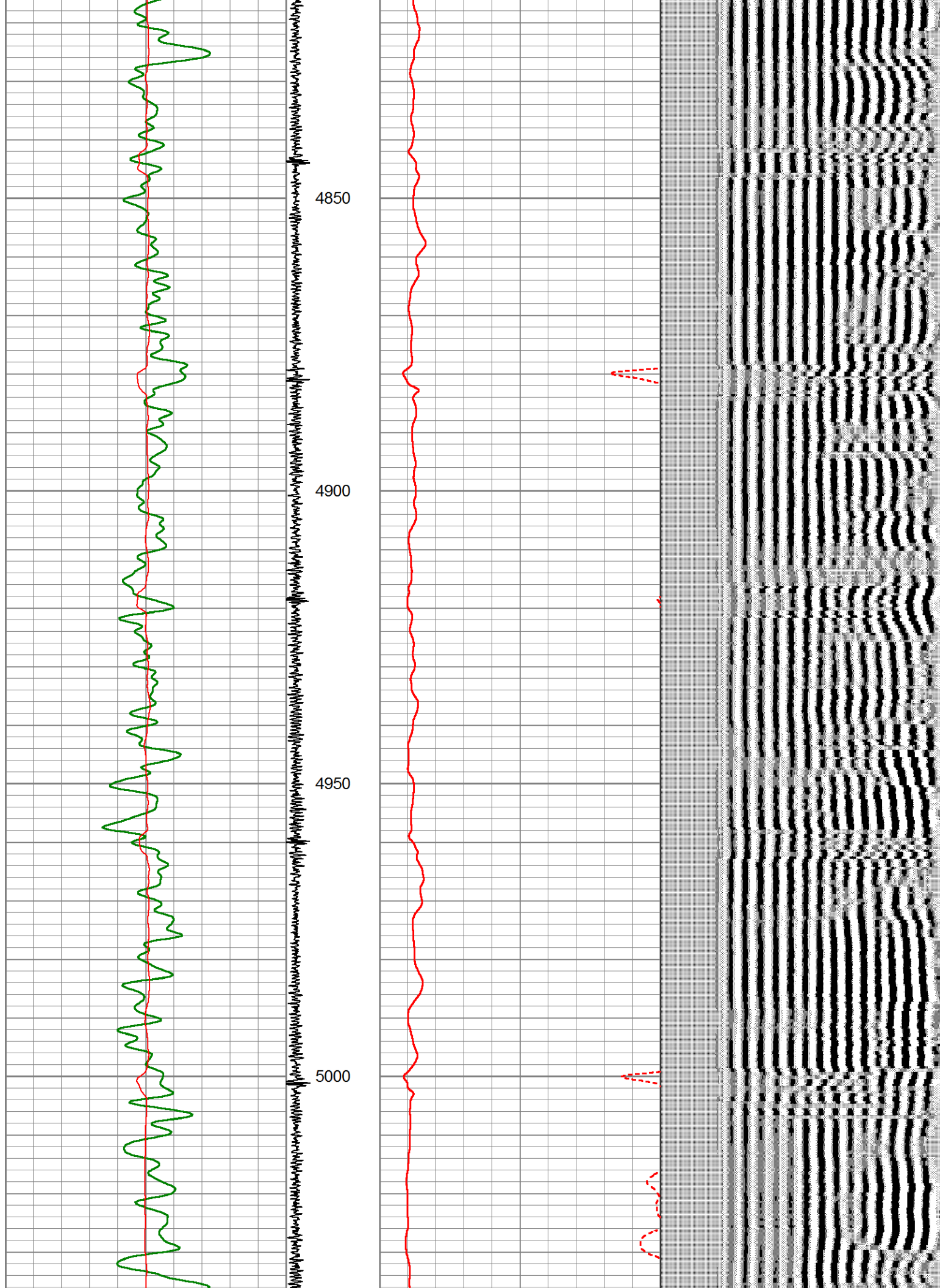


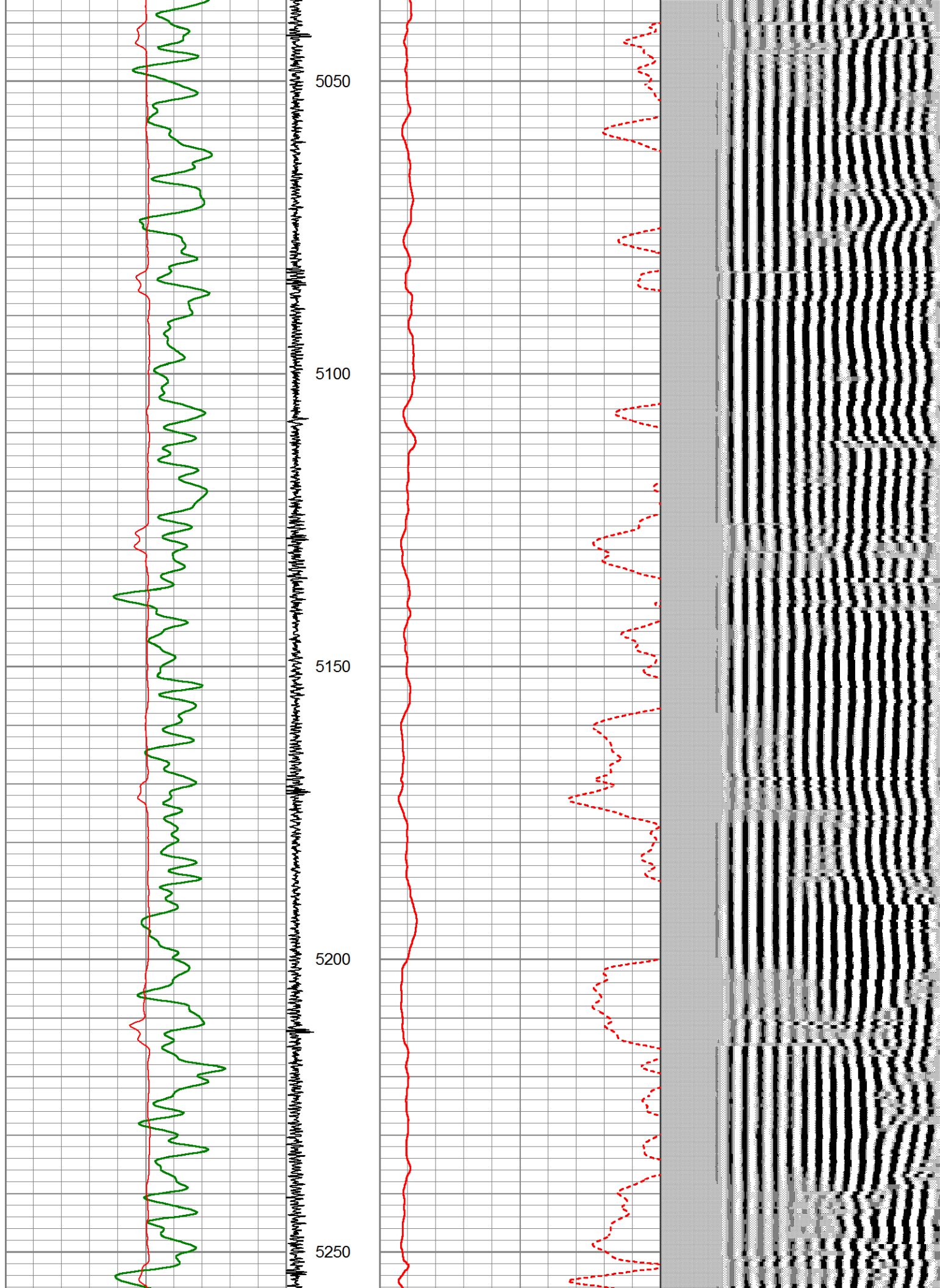




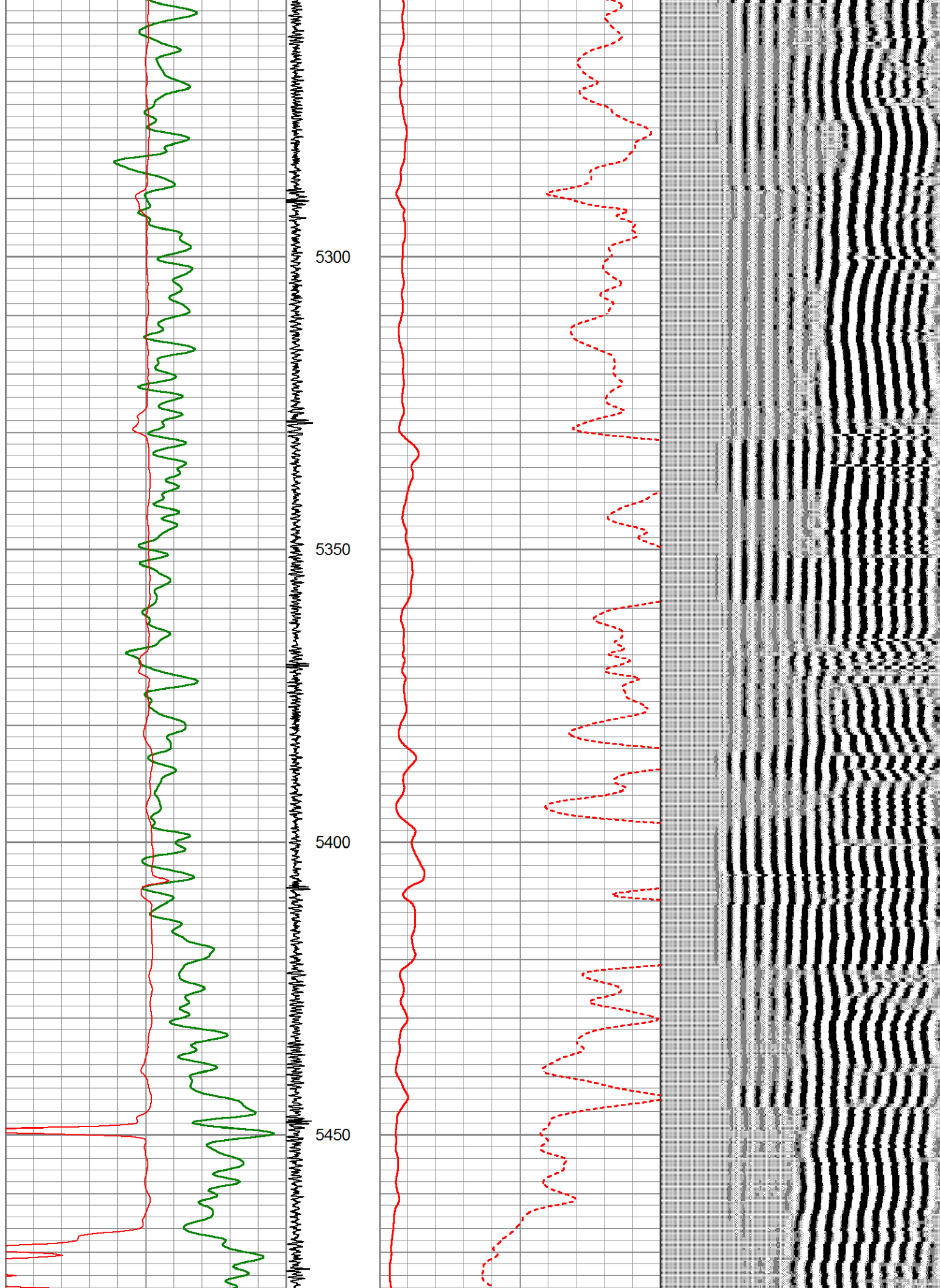




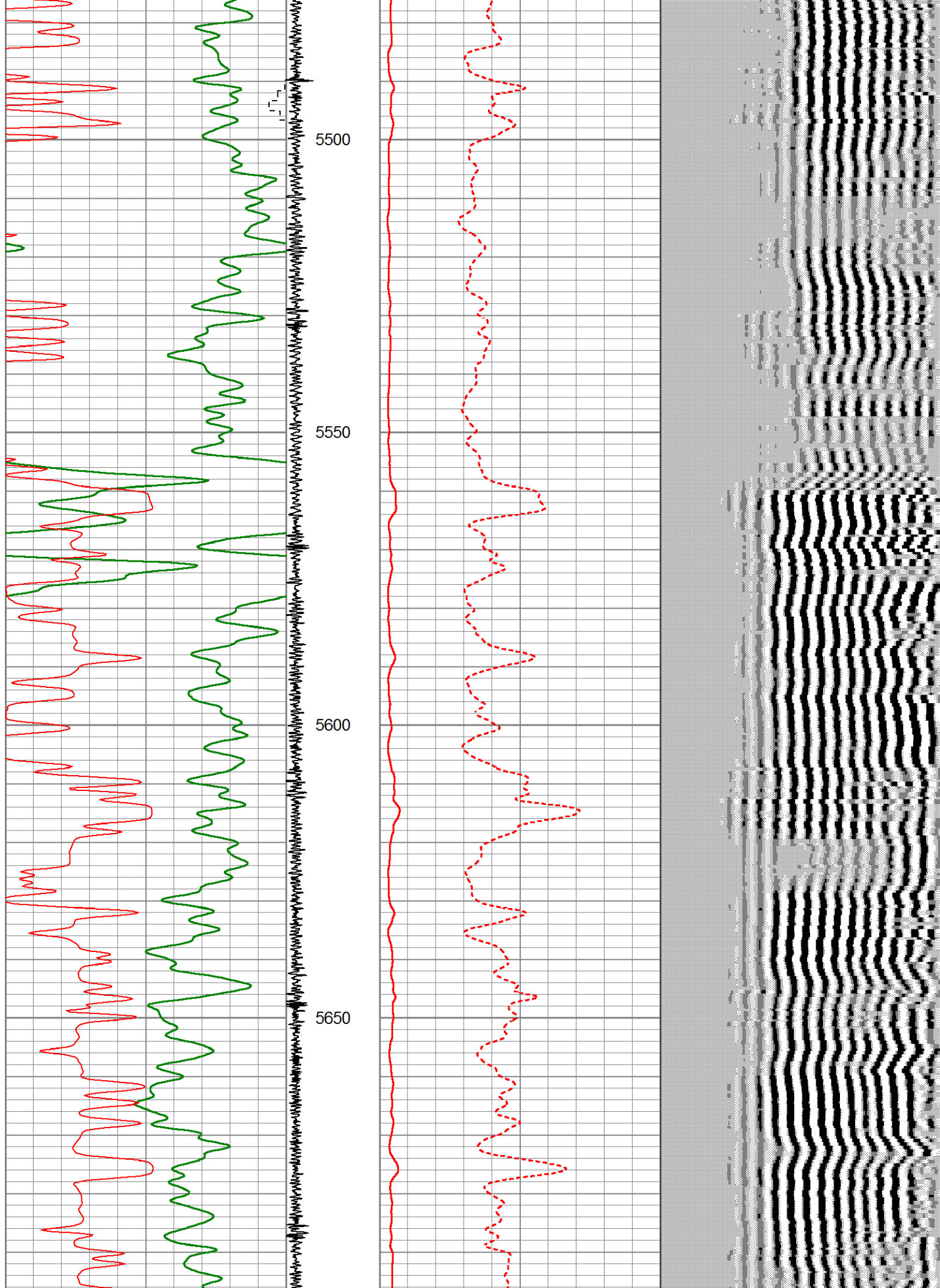


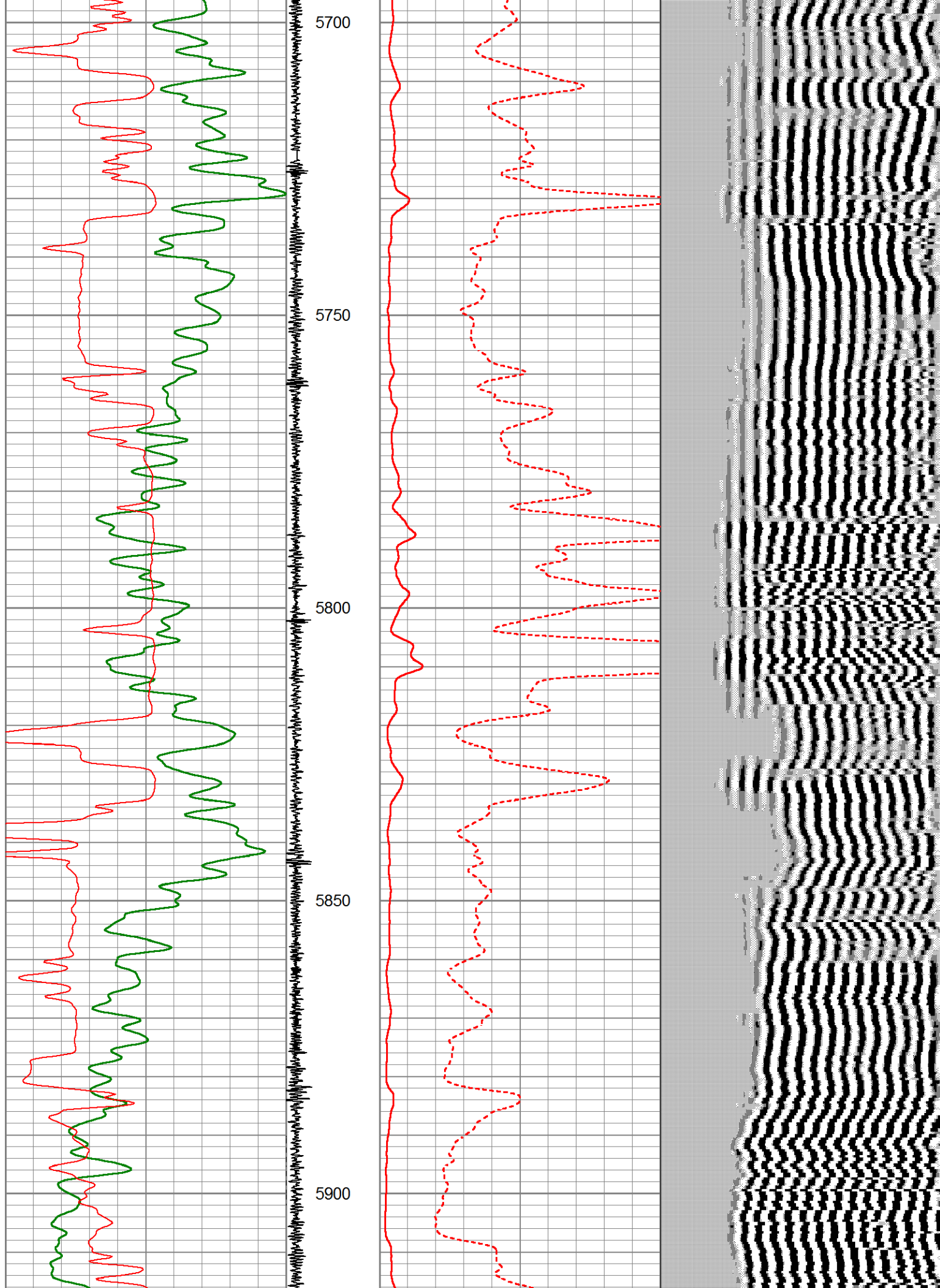


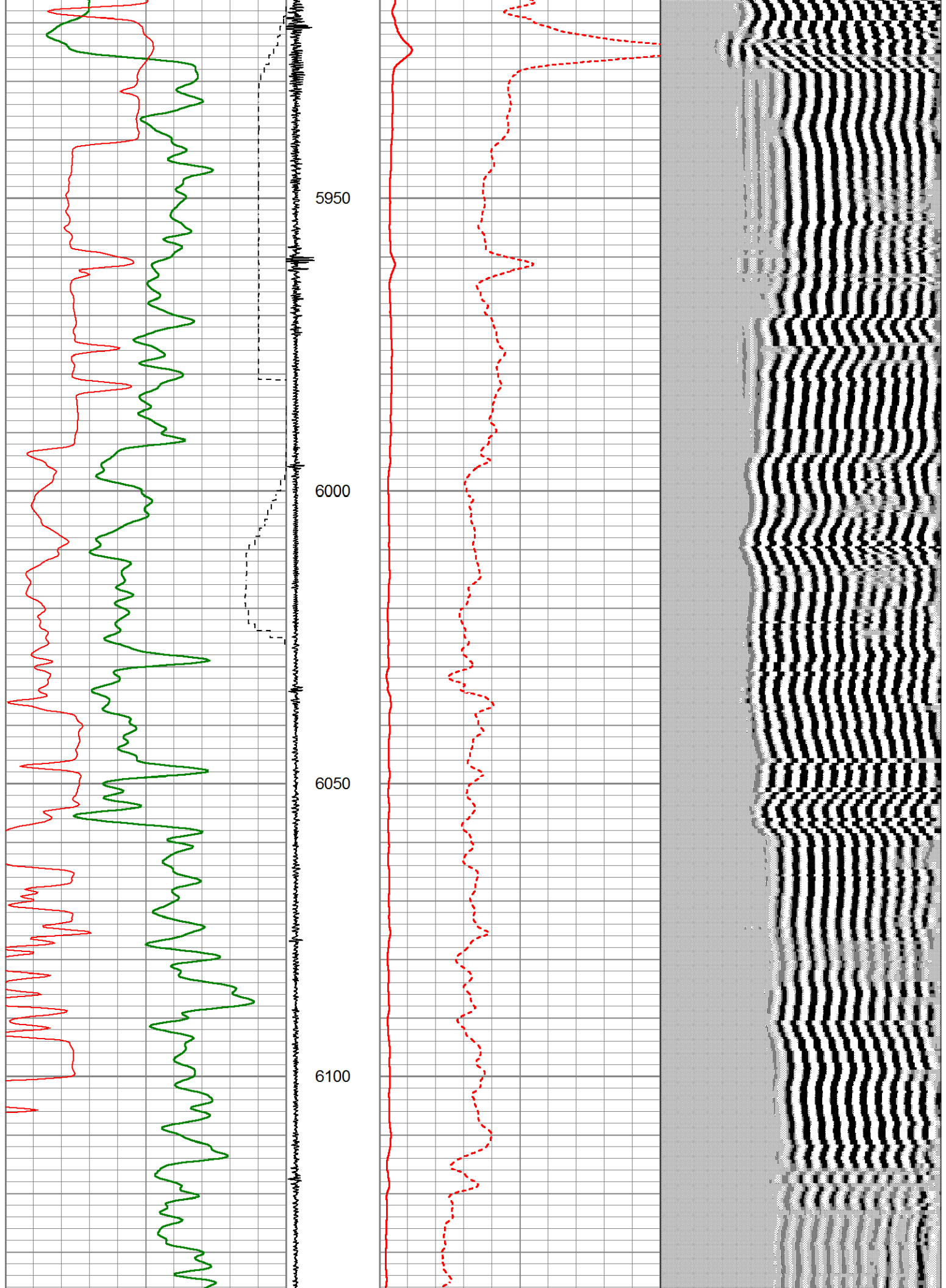




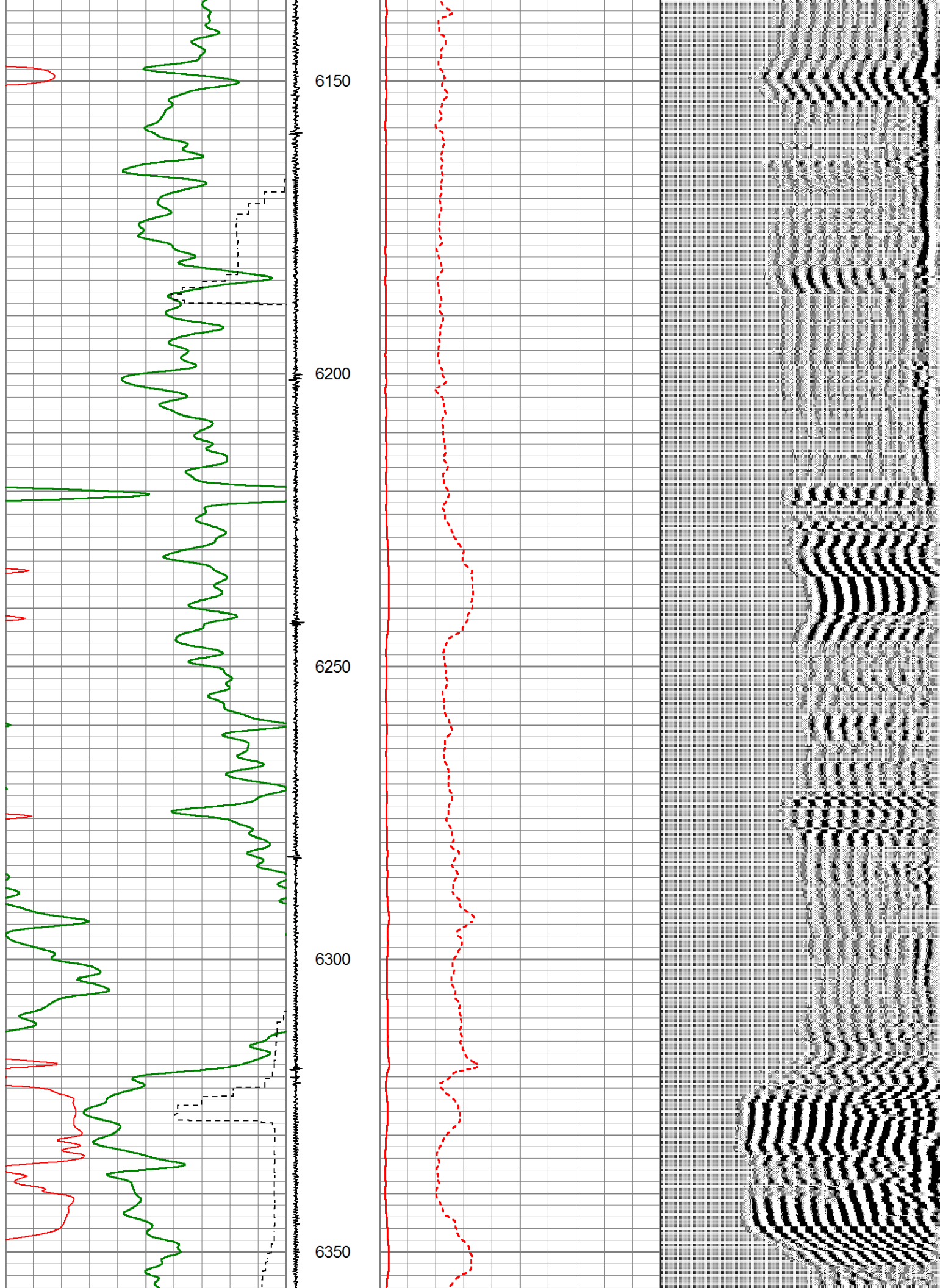


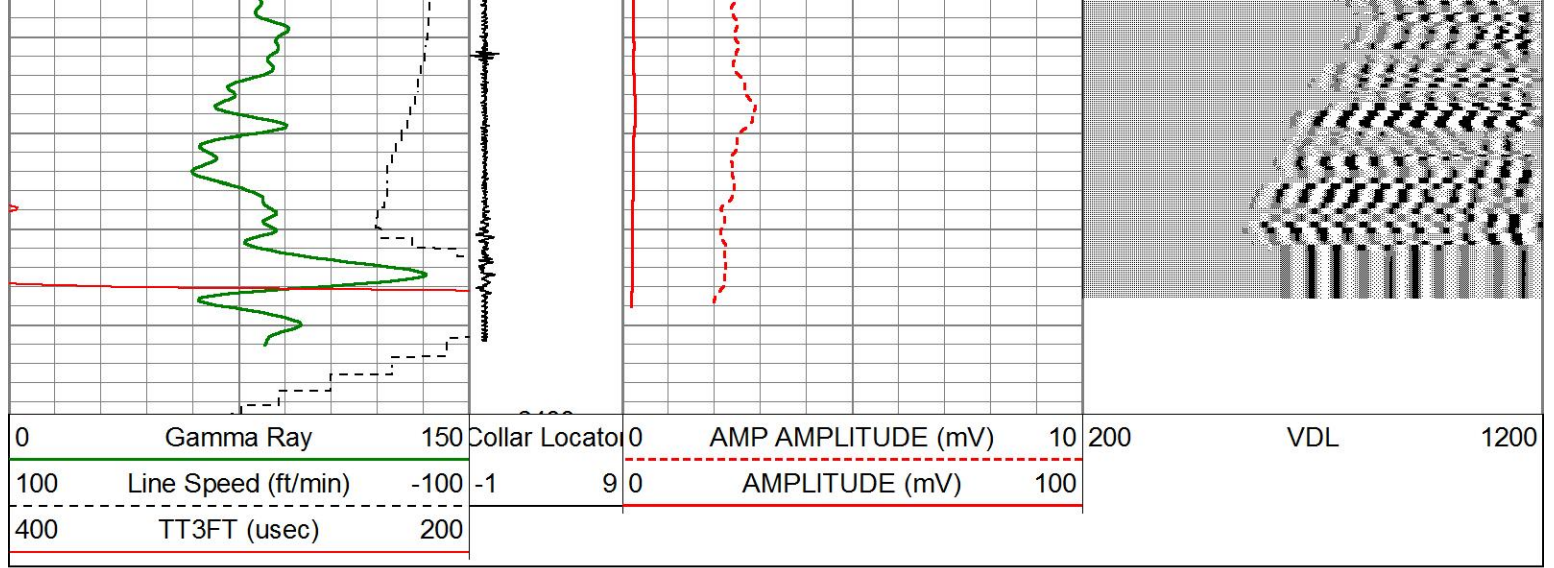




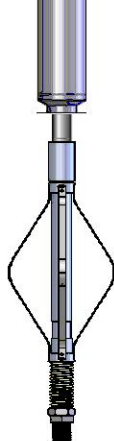








Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	15.15		Cable Head-Titan 1 11/16" Titan Cable Head	1.03	1.69	2.00
WVFS8	13.85		SCBL-275 TekCo w Temp (IU953-01) TekCo 2 3/4" Sector Tool with Temperature	9.13	2.75	102.00
WVFS7	13.85					
WVFS6	13.85					
WVFS5	13.85					
WVFS4	13.85					
WVFS3	13.85					
WVFS2	13.85					
WVFS1	13.85					
WVF3FT	13.10					
WVF5FT	12.10					
WVFSYNC	8.77		CCL_Logging-275 TekCo_2 (IFRK1-03) 2 3/4"	1.83	2.75	15.00
WVFTEMP	8.77					
WVFCAL	8.77					
CCL	7.63		GR-275 TekCo (IT9K4-01) TekCo 2 3/4" 400 Deg. F Logging Gamma Ray	3.67	2.75	40.00

GR	4.31		<div>Bullnose-Titan GO Pin Pressure Cap</div> <div>Centralizer-169 Titan Non-ADJ Titan 1 11/16" Non Adjustable Centralizer</div>	0.27	1.38	1.00	
		Dataset:	roundup storage field well #8.db: field/well/run1/CBL5				
		Total length:	18.93 ft				
		Total weight:	182.00 lb				
		O.D.:	2.88 in				

		Calibration Report
Database File	roundup storage field well #8.db	
Dataset Pathname	CBL5	
Dataset Creation	Wed Aug 11 13:15:08 2021	

Gamma Ray Calibration Report		
Serial Number:	IT9K4-01	
Tool Model:	275 TekCo	
Performed:	Mon Jun 10 11:08:27 2019	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	IU953-01	
Tool Model:	275 TekCo w Temp	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	745.908	ft

Master Calibration, performed Wed Aug 11 11:39:51 2021:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.007	2.000	71.921	65.435	2.000
CAL	0.000	0.722				
5'	0.000	1.215	2.000	71.921	57.531	2.000
SUM						
S1	0.000	1.643	0.000	100.000	60.873	0.000
S2	0.000	1.644	0.000	100.000	60.815	0.000
S3	0.000	1.373	0.000	100.000	72.850	0.000
S4	0.000	1.040	0.000	100.000	96.199	0.000
S5	0.000	0.858	0.000	100.000	116.577	0.000
S6	0.000	0.845	0.000	100.000	118.400	0.000
S7	0.000	1.069	0.000	100.000	93.502	0.000
S8	0.000	1.360	0.000	100.000	73.523	0.000



## Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.722	1.000	0.000

## Air Zero Calibration, performed (Not Performed):

	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: IU953-01  
Tool Model: 275 TekCo w Temp  
Performed: Fri Jul 10 16:01:14 2015

	Reference	Reading
Low Reference:	0.00 degF	0.00 usec
High Reference:	1.00 degF	1.00 usec
Gain:	0.33	
Offset:	0.00	
Delta Spacing	1	