Quality Wireline Service

Cement Bond Log

Company Ramshorn Resources, LLC
Well Marsh No.2-27
Field Dearhead
County Barber
State Kansas

Company Ramshorn Resources, LLC

		State Kansas
Well	Marsh No.2-27	
Field	Dearhead	
County	Barber	
Location:		

SEC 27 TWP 32S RGE 15W

API # : 15-007-24347-00-00

2305' FNL & 2073' FEL

Permanent Datum	Ground Level	Elevation 1896
Log Measured From	Kelly Bushing	12' AGL
Drilling Measured From	Kelly Bushing	

Other Services
JB/GR
Mast Trailer

Elevation
K.B. 1908
D.F. 1906
G.L. 1896

Field	Value
Date	4/15/2019
Run Number	One
Depth Driller	5300
Depth Logger	5166
Bottom Logged Interval	5165
Top Log Interval	1700
Open Hole Size	////
Type Fluid	Water
Density / Viscosity	////
Max. Recorded Temp.	129
Estimated Cement Top	1950
Time Well Ready	////
Time Logger on Bottom	////
Equipment Number	T02
Location	Pratt, Ks
Recorded By	Scott Chesney
Witnessed By	Justin Dubwig

Borehole Record

Run Number	Bit From	To	Size

Casing Record

	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5			
Liner				

Tubing Record

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.
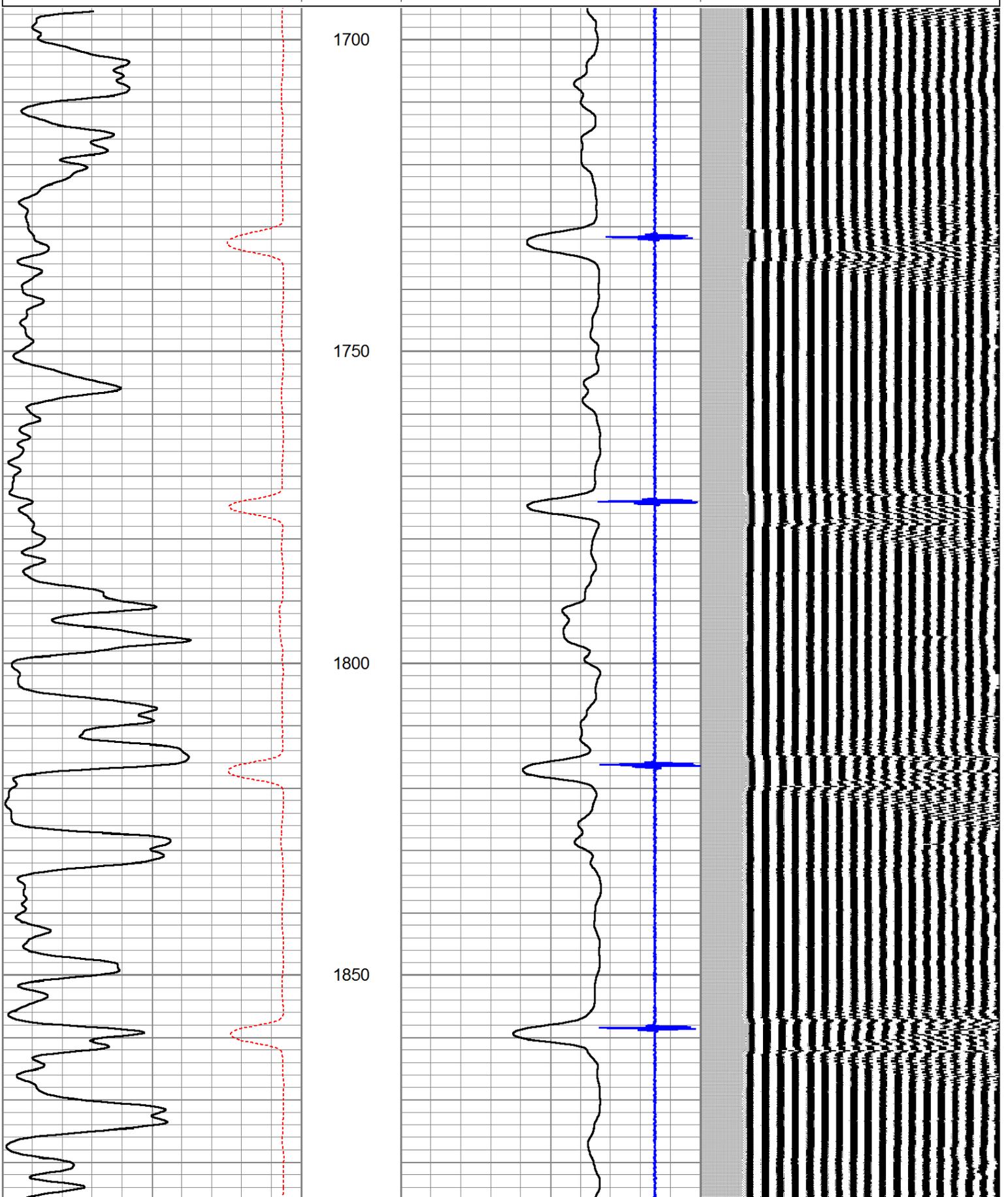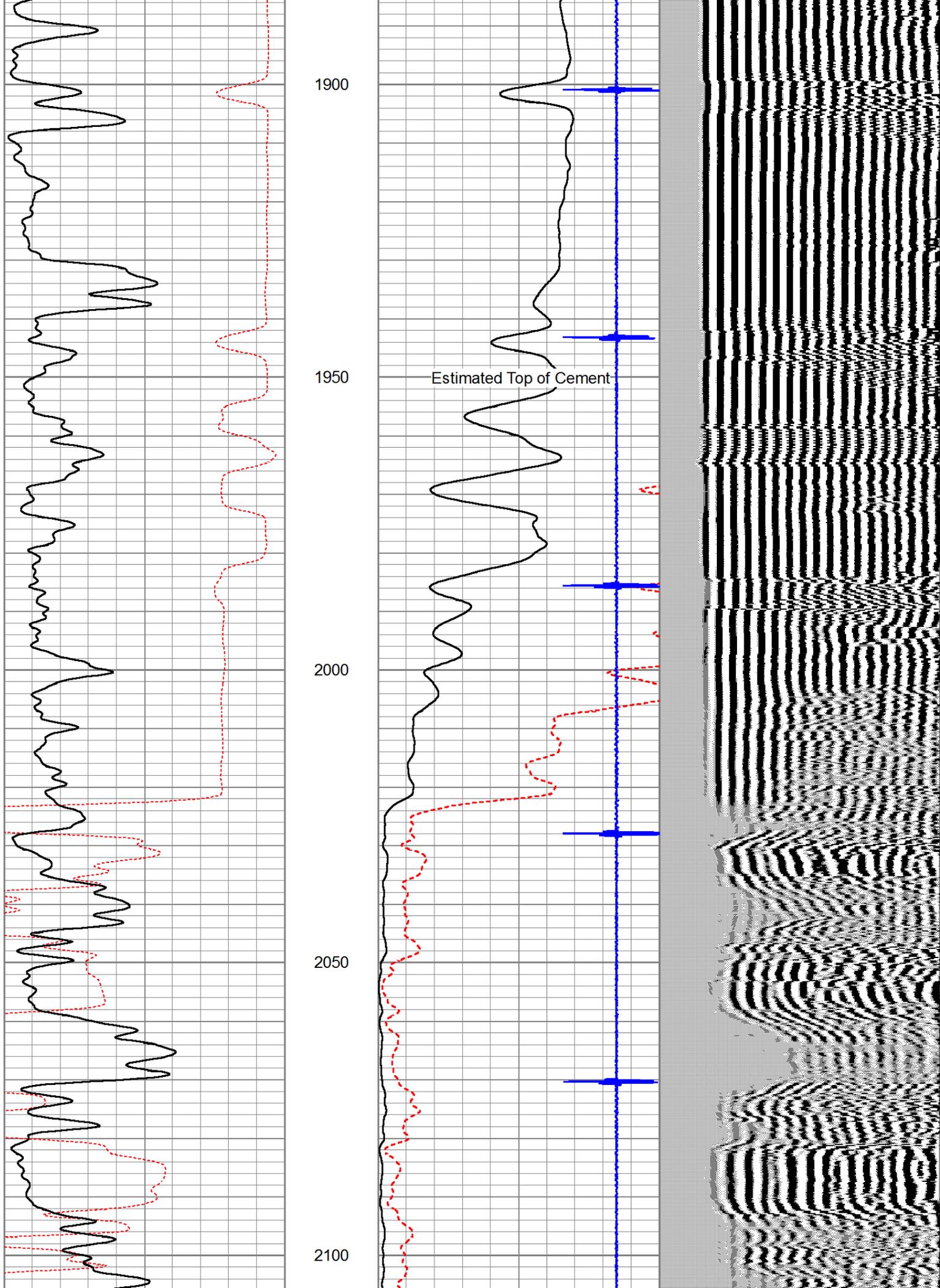
Comments

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Main Pass

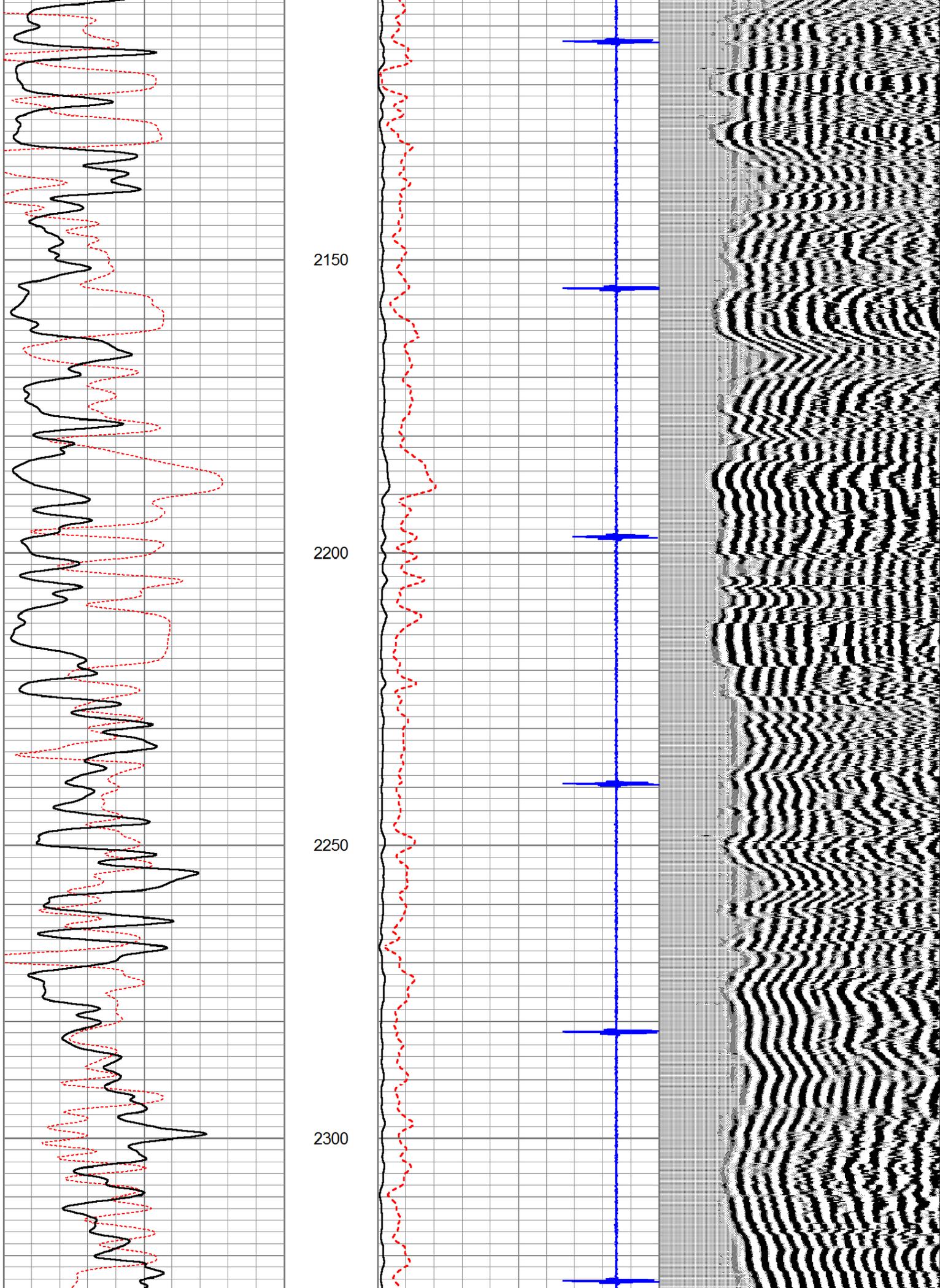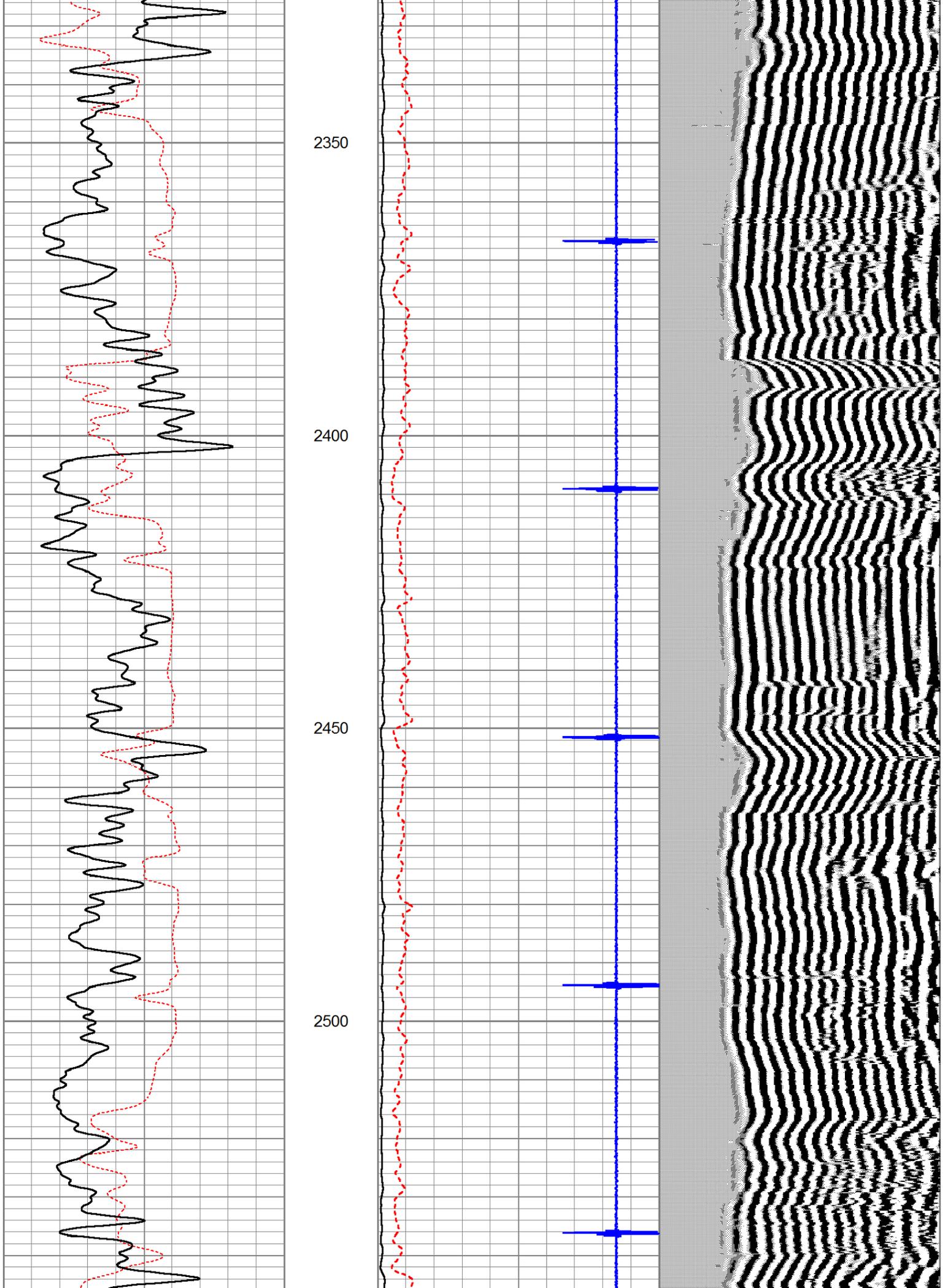| Database File | ramshorn-marsh2-27.db |
Dataset Pathname	grcbl/pass5
Presentation Format	pnr_cbl
Dataset Creation	Mon Apr 15 16:59:26 2019
Charted by	Depth in Feet scaled 1:240

500	3' Travel Time (usec)	235		0	Amplitude (mV)	100	200	VDL (V)	1200
0	Gamma Ray (GAPI)	150		45	Collar Locator	-8			

1700

1750

1800

1850

1900

1950

Estimated Top of Cement

2000

2050

2100

2150

2200

2250

2300

2350

2400

2450

2500

2550

2600

2650

2700

2750

2800

2850

2900

2950

3250

3300

3350

3400

3450

3500

3550

3600

3650

3700

3750

3800

Marker Joint

3850

3900

3950

4000

4050

Gamma Ray

3' Travel Time

Collar Locator

Amplitude

Amplified Amplitude

Amplitude

4100

4150

4200

4250

4300

4350

4400

4450

4500

4550

4600

4650

4700

| 5000 |
| 5050 |
| 5100 |
| 5150 |

LTD @ 5166

| 500 | 3' Travel Time (usec) | 235 |
| 0 | Gamma Ray (GAPI) | 150 |

| 0 | Amplitude (mV) | 100 |
| 45 | Collar Locator | -8 |

| 200 | VDL (V) | 1200 |

Repeat Section

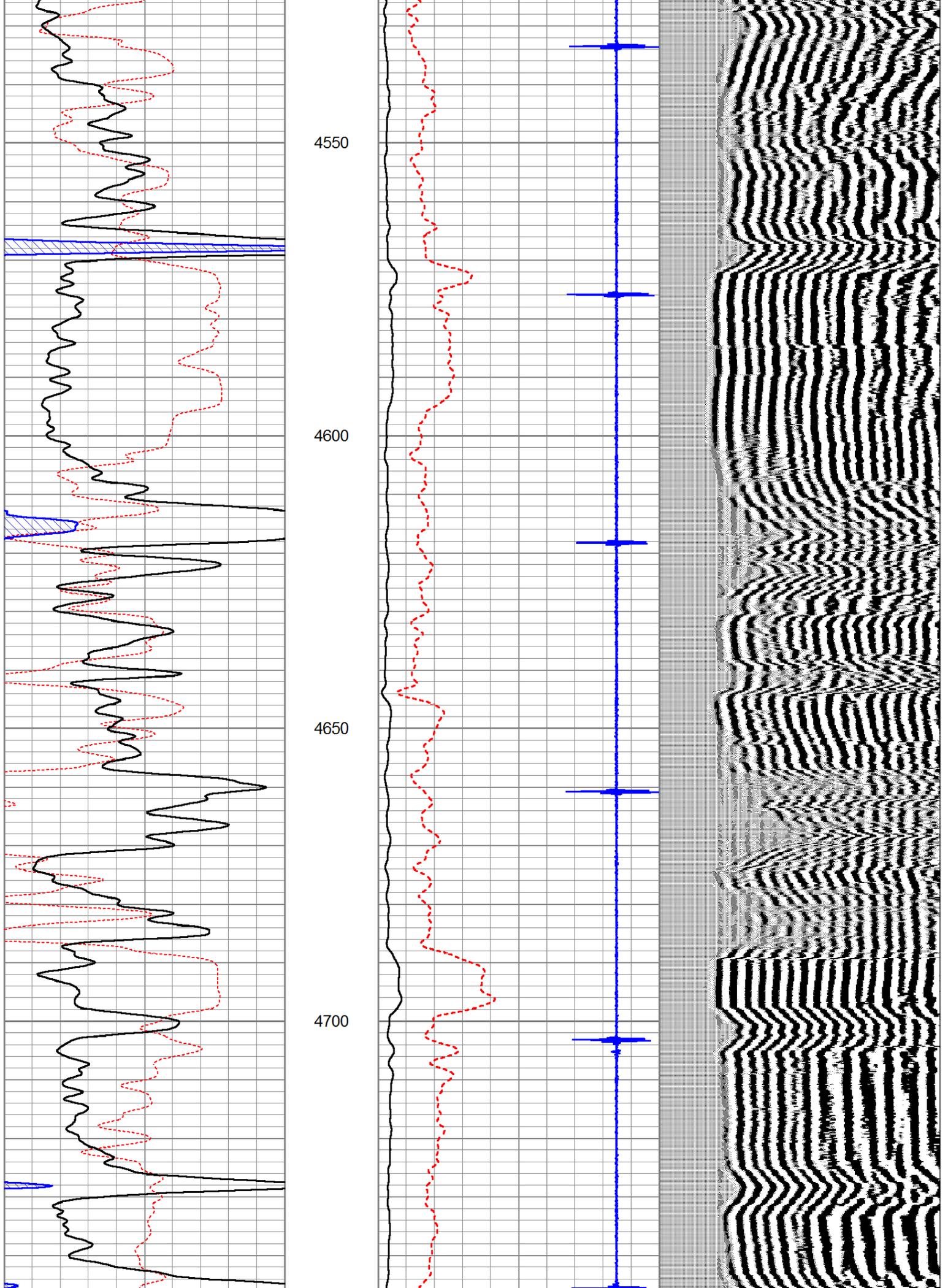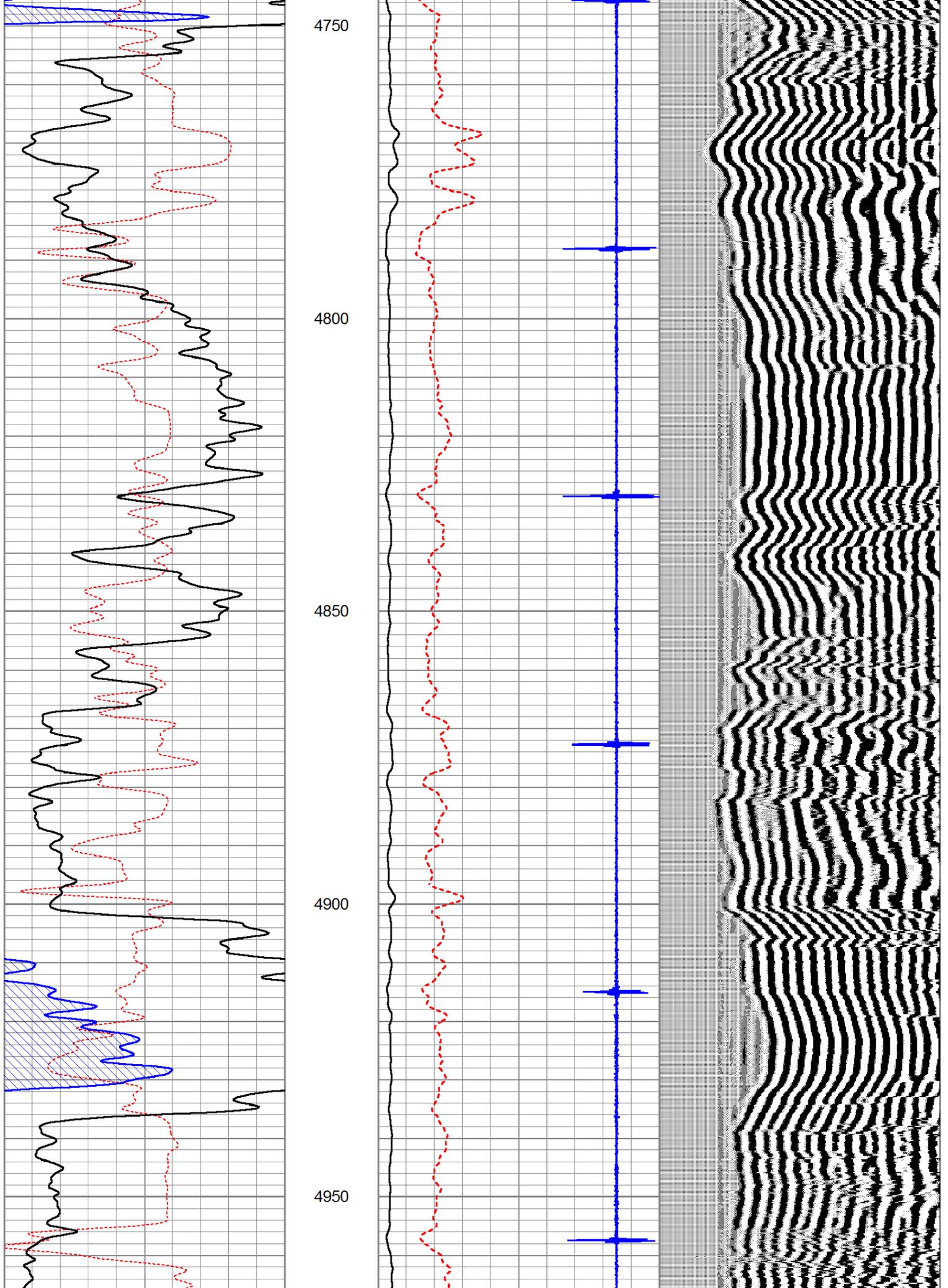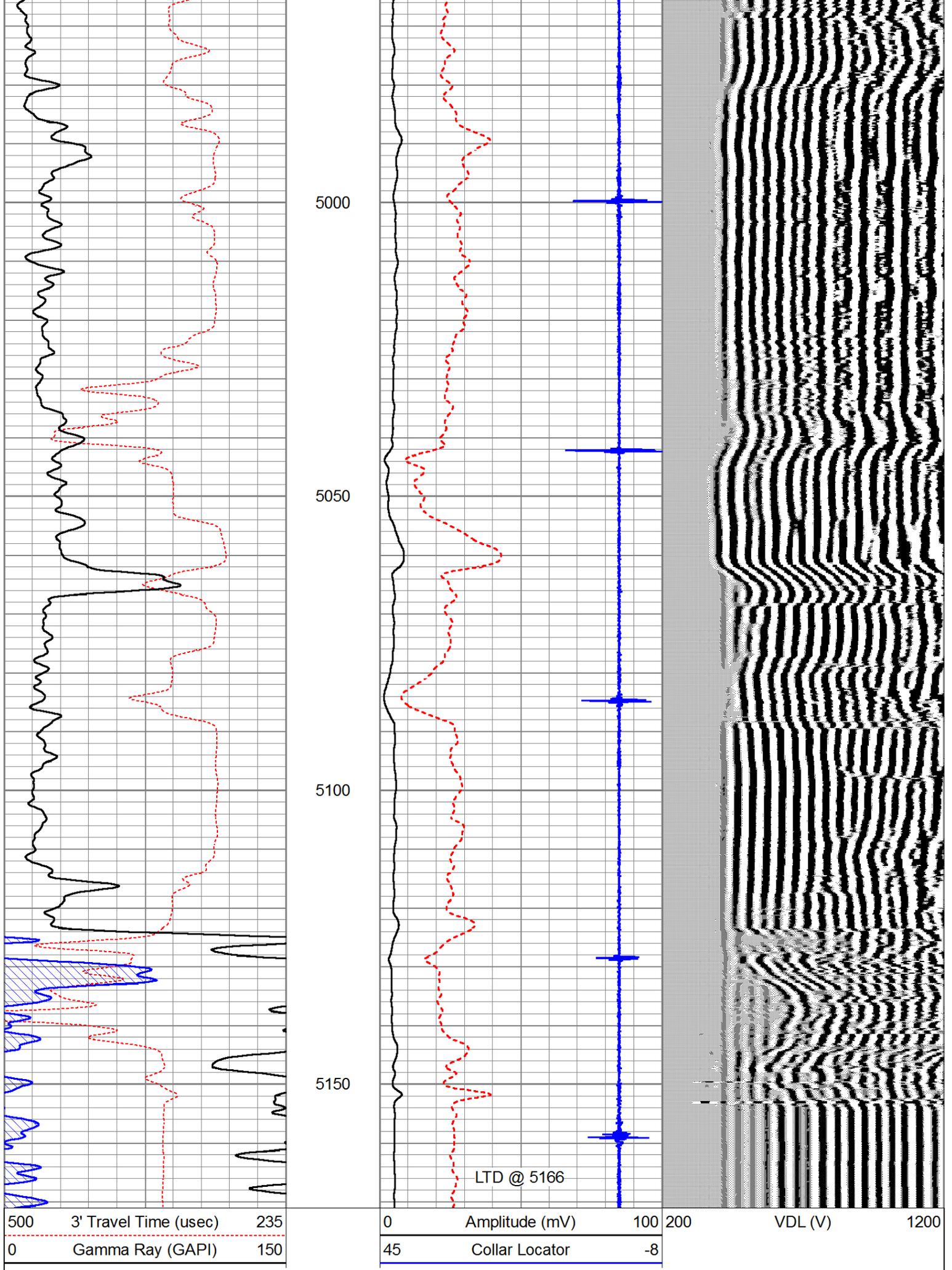**Quality Wireline Service**
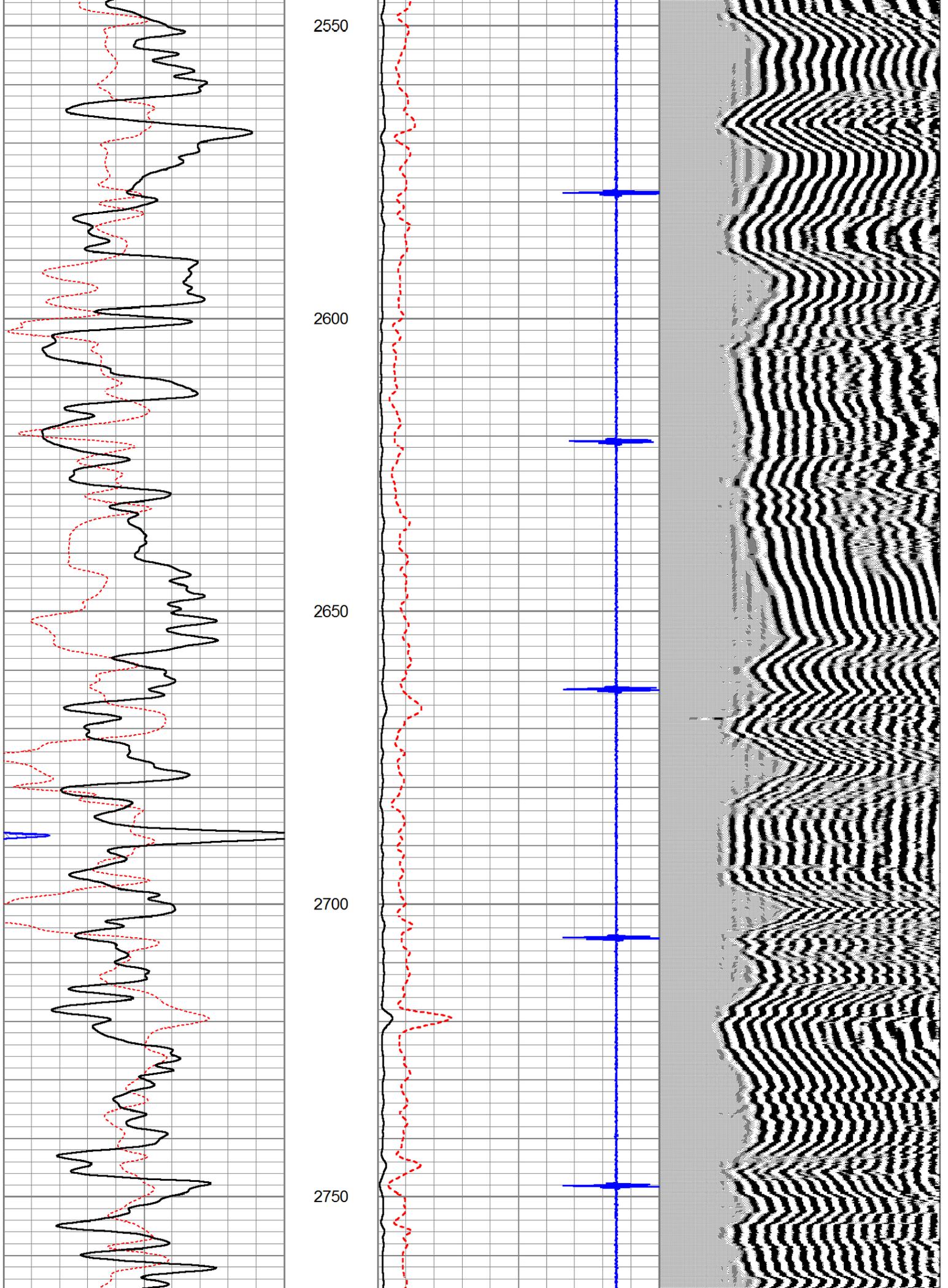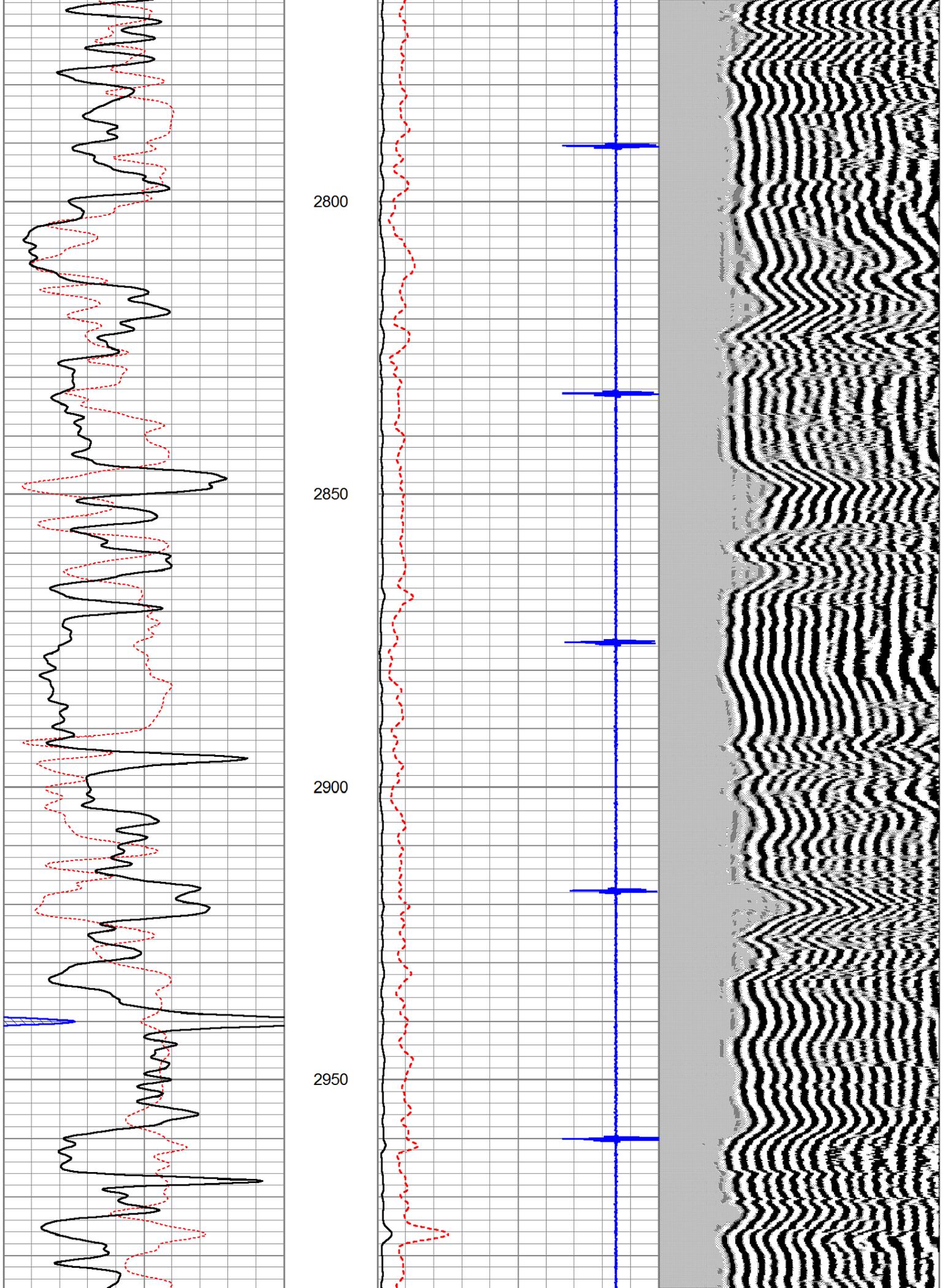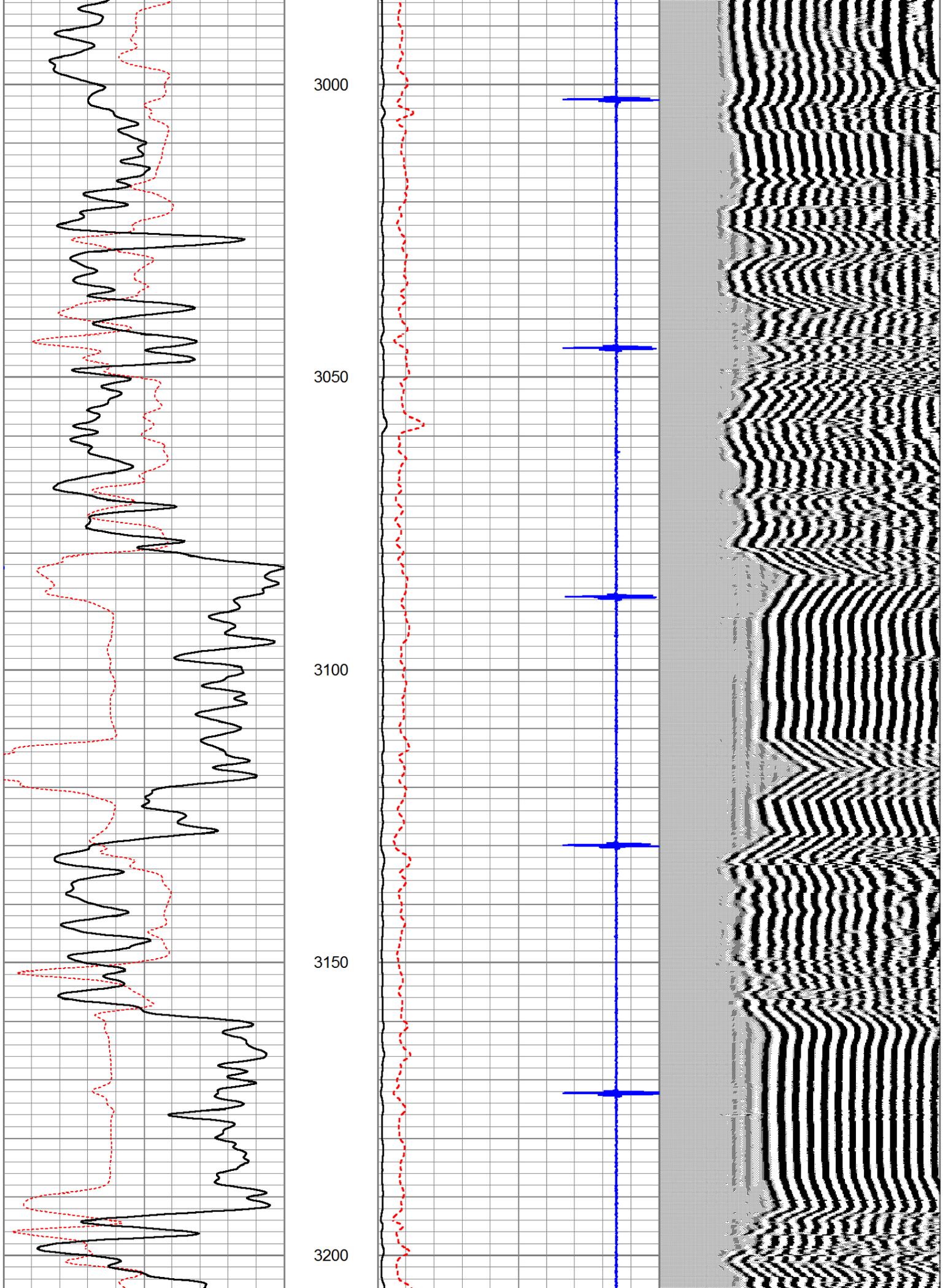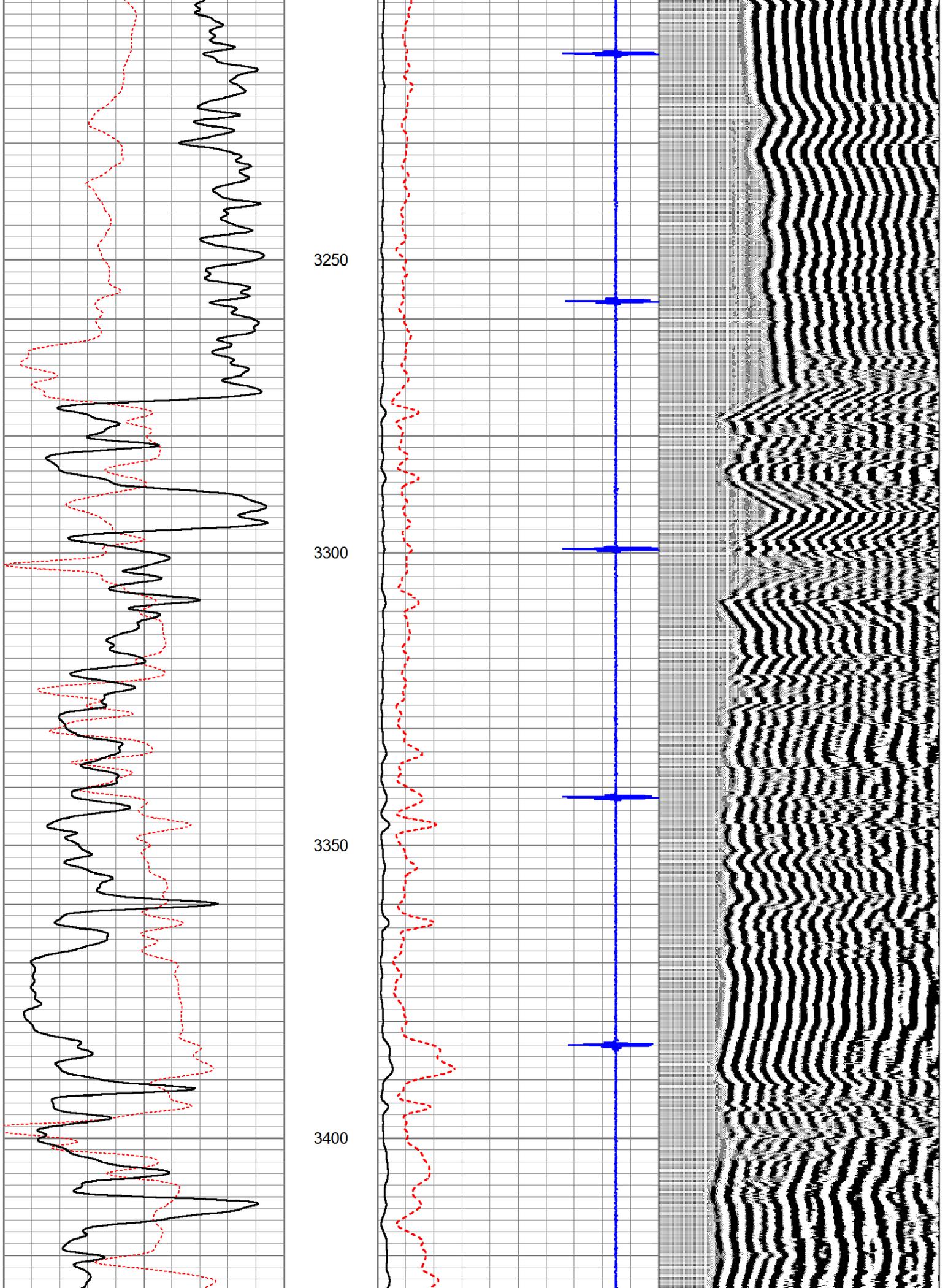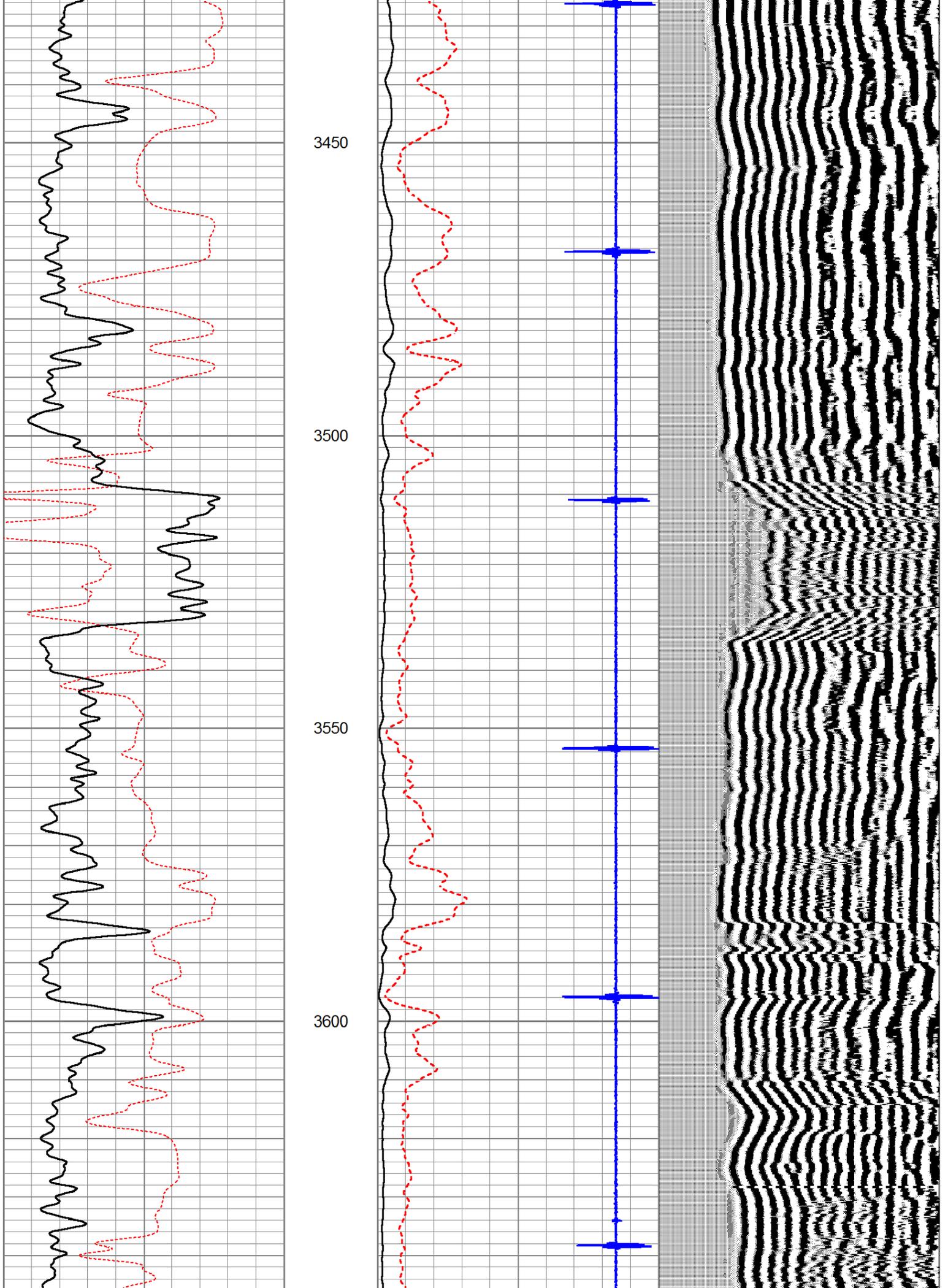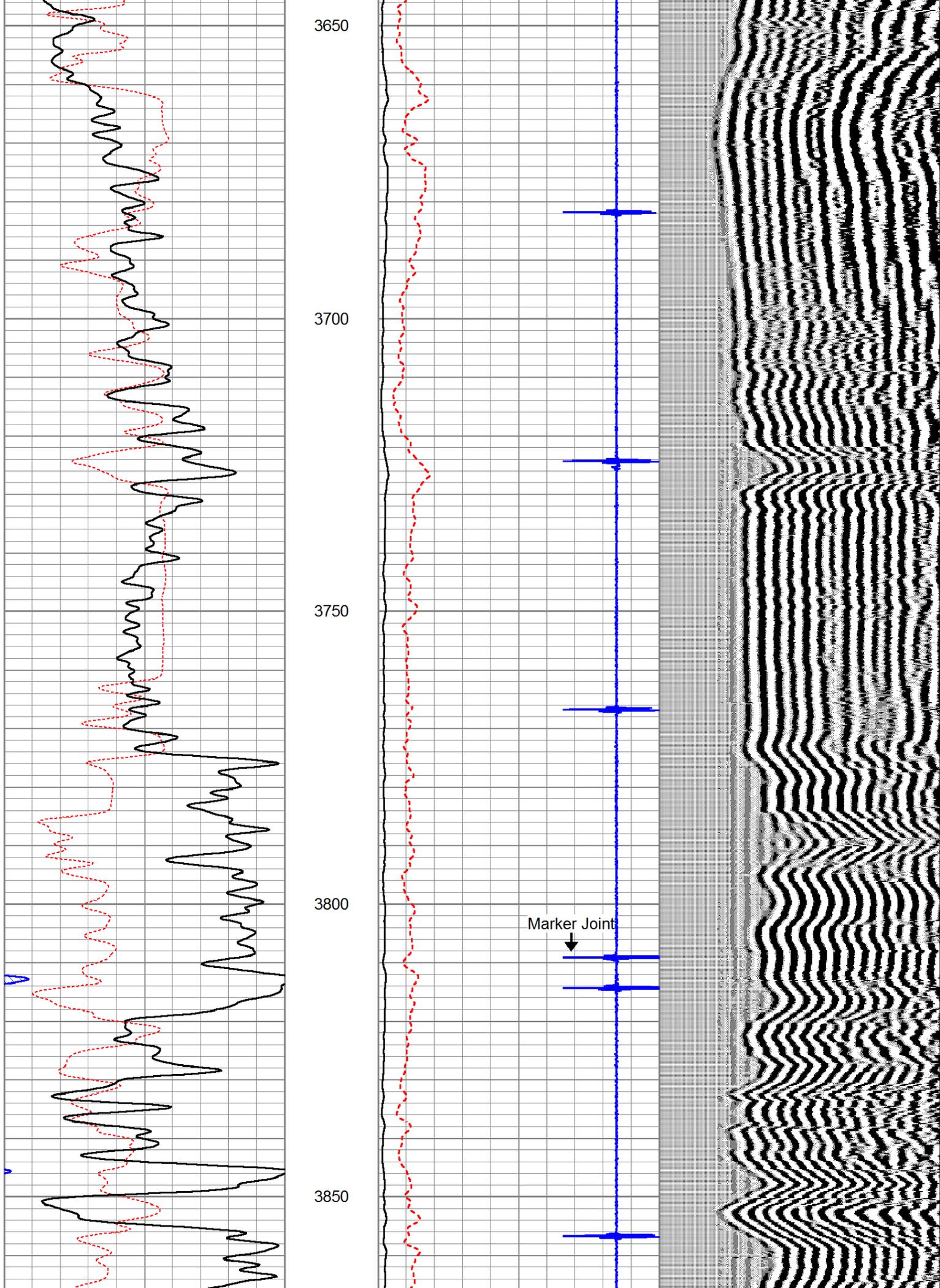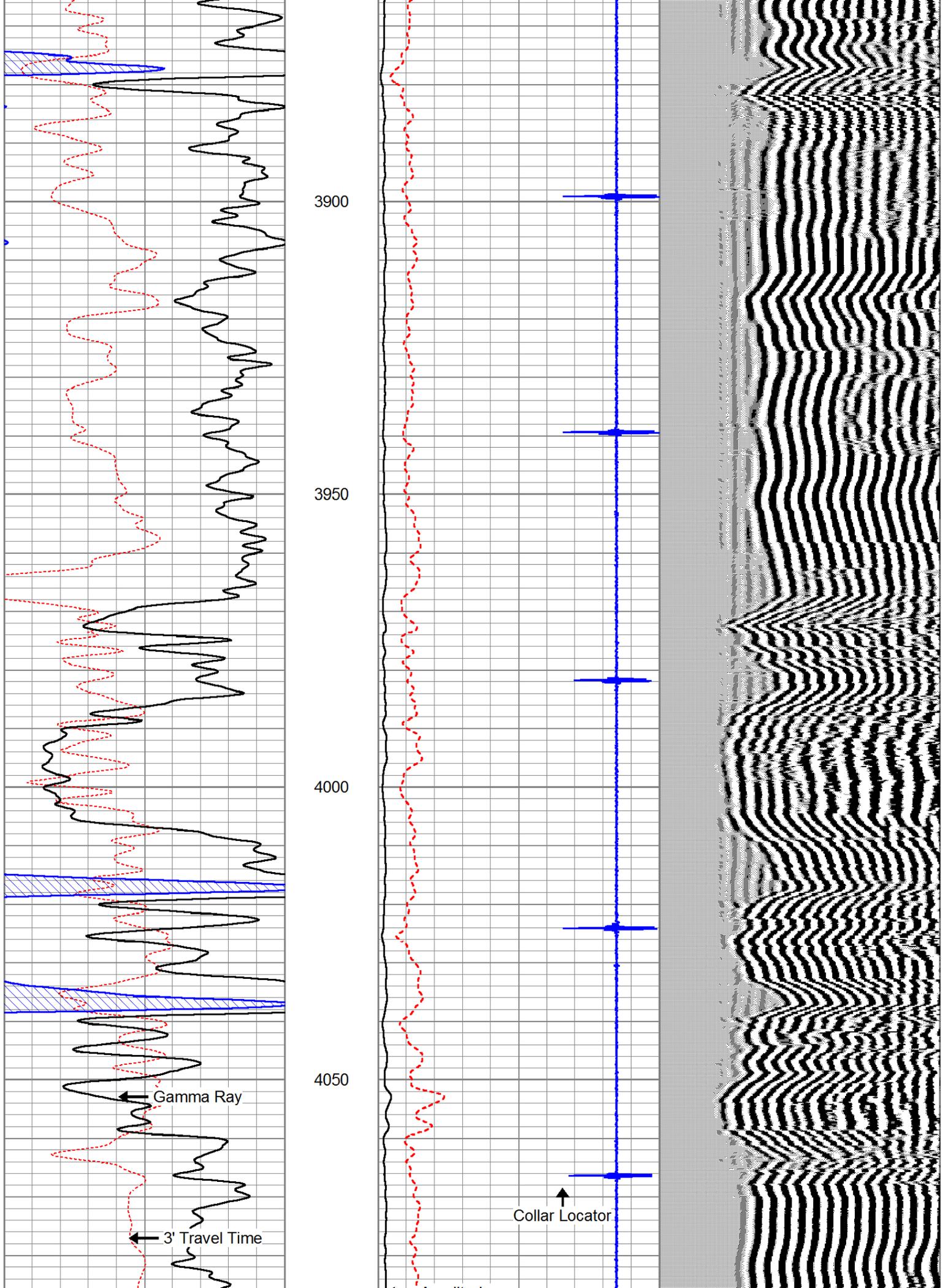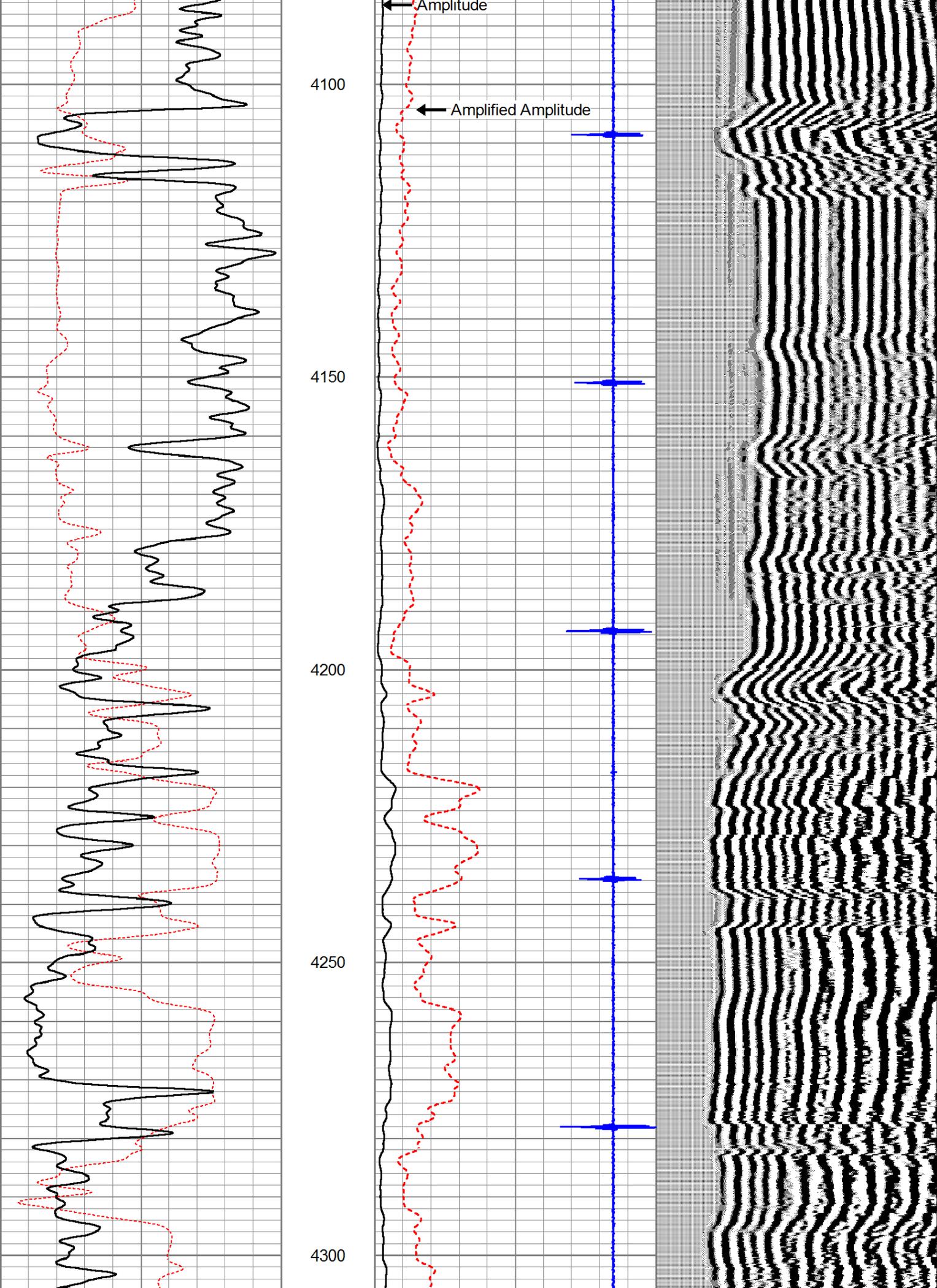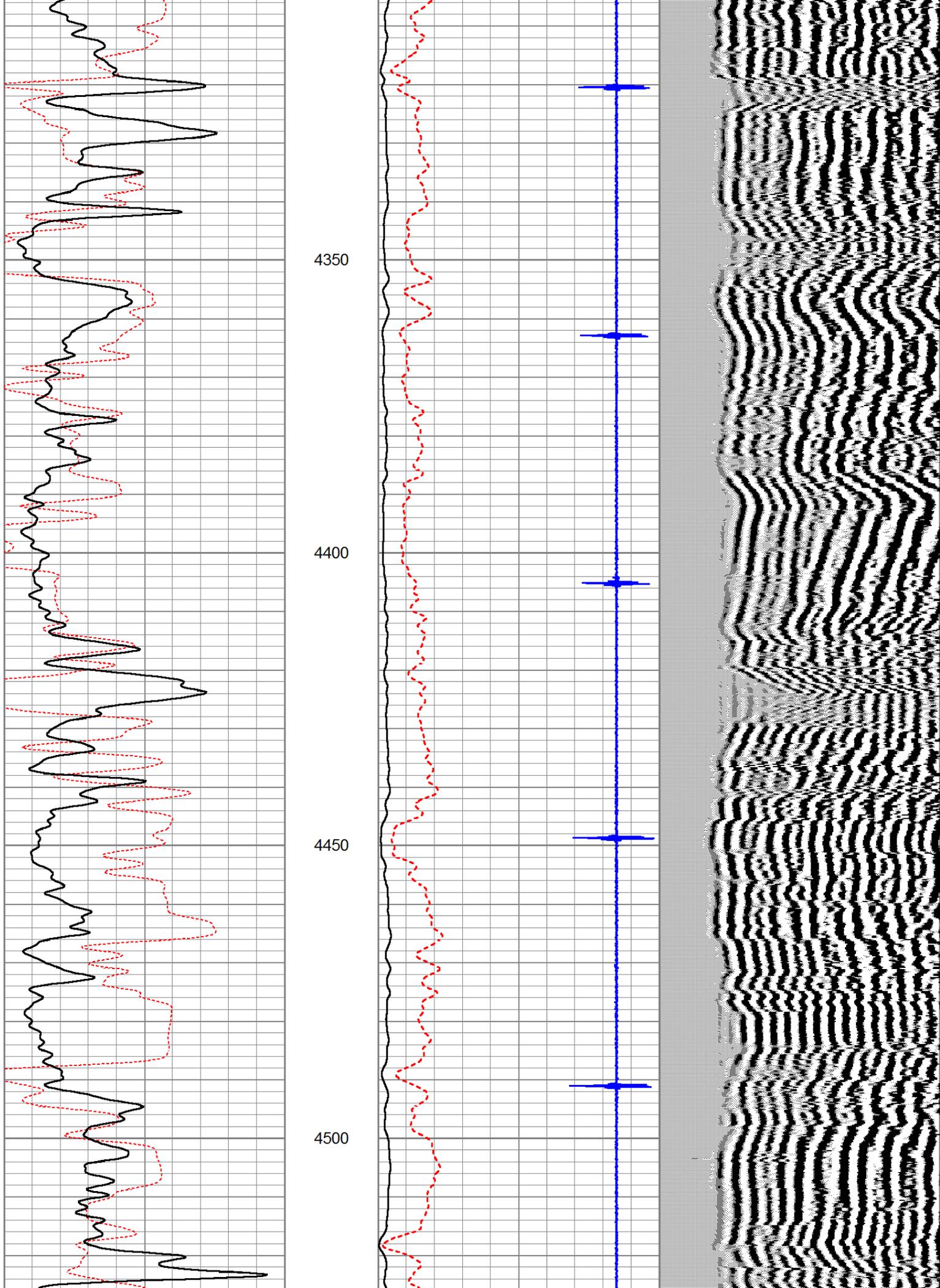
Database File	ramshorn-marsh2-27.db
Dataset Pathname	grcbl/pass4
Presentation Format	pnr_cbl
Dataset Creation	Mon Apr 15 16:56:45 2019
Charted by	Depth in Feet scaled 1:240

500	3' Travel Time (usec)	235
0	Gamma Ray (GAPI)	150

0	Amplitude (mV)	100
45	Collar Locator	-8

200	VDL (V)	1200

5000

5050

5100

5150

500	3' Travel Time (usec)	235	0	Amplitude (mV)	100	200	VDL (V)	1200
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