

<div>FMC Technologies</div>										<div>Cement Bond Log</div> <div>Gamma Ray</div> <div>Casing Collar Log</div>									
API #: 05-103-06316										COMPANY: Chevron USA INC									
Company: Chevron USA INC										WELL: A.C. McLaughlin #44									
Well: A.C. McLaughlin #44										FIELD: Rangely									
Field: Rangely										COUNTY: Rio Blanco STATE: Colorado									
County: Rio Blanco State: Colorado										LOCATION: API#: 05-103-06316									
SHL: BHL: Latitude: 40.15211 Section: 11 Longitude: -108.92601 Range: 103W										Elevations KB: 5591' DF: 5590' GL: 5580'									
Permanent Datum: GL										Elevation: 5580'									
Drill Measured From: KB										Other Services None									
Log Measured From: KB = 11' above Permanent Datum																			
Date 2015-Jan-05																			
Run Number 1																			
Depth Driller 6963 FT																			
Depth Logger 4700 FT																			
Bottom Logged Interval 4700 FT																			
Top Logged Interval Surface																			
Fluid Type Water																			
Fluid Top Surface																			
Max. Rec. Temperature 139 Deg F																			
Estimated Cement Top 270 FT																			
Time on Bottom 16:00																			
Unit Number HD 0264																			
Location Grand Junction, CO																			
Recorded By Dustin S.																			
Witnessed By Greg G.																			
Borehole Record										Tubing Record									
Run Number Bit Size Top Bottom Size Weight Top Bottom																			
Casing Record																			
String Size Weight Top Bottom																			
Surface 10.75 IN 40.5 LB/FT Surface 700 FT																			
Prot. String 7 IN 26 LB/FT Surface 6615 FT																			
Prod. String 5.5 IN 17 LB/FT Surface 4930 FT																			

API #: 05-103-06316	Chevron USA INC	A.C. McLaughlin #44
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EQUIPMENT DATA					
Run	Trip	Instrument	Series No.	Serial No.	Distance to Reference

REMARKS
Long ran as per customer request. Log measured from KB = 11' above ground level.

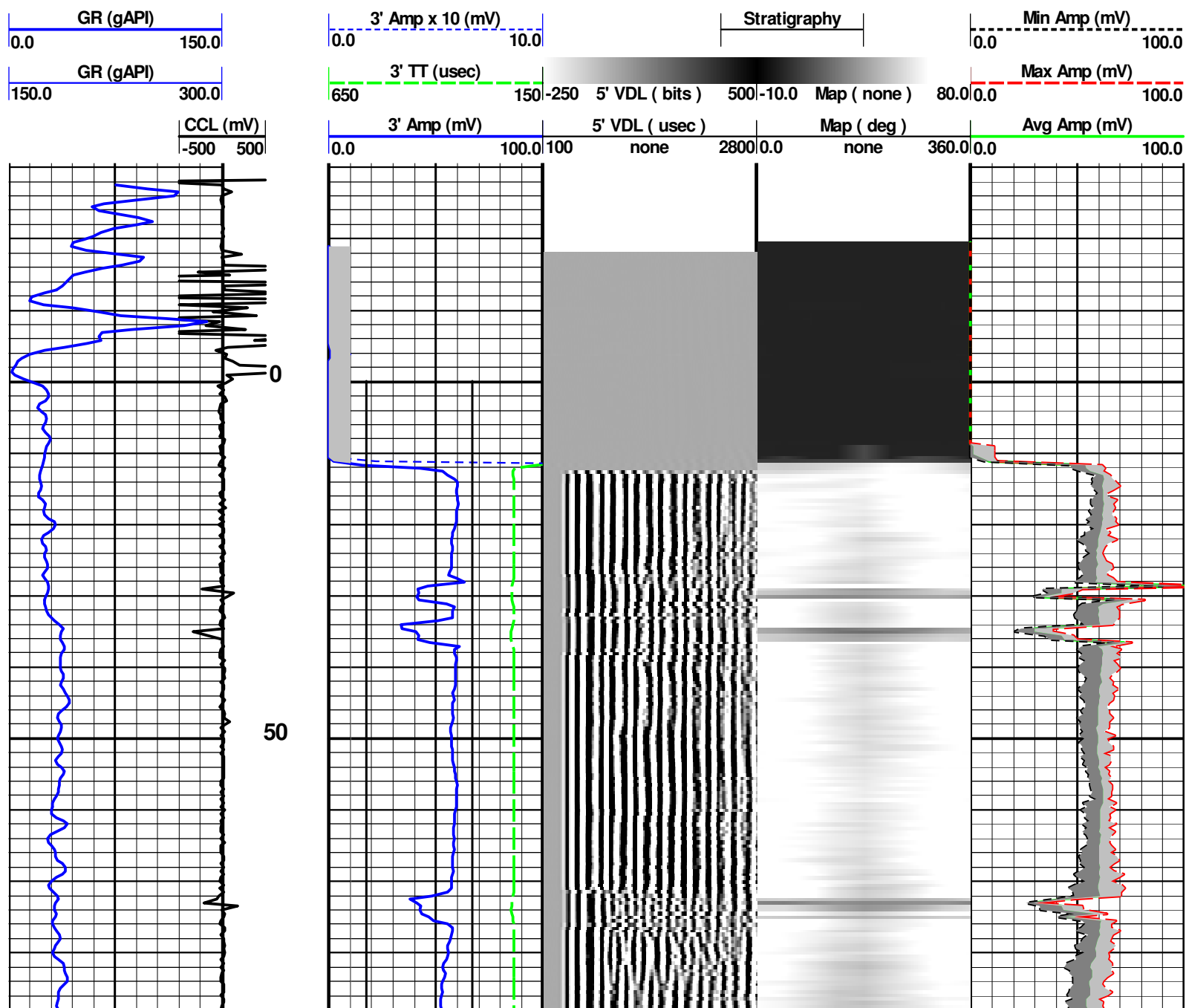
Thank you for choosing FMC Technologies

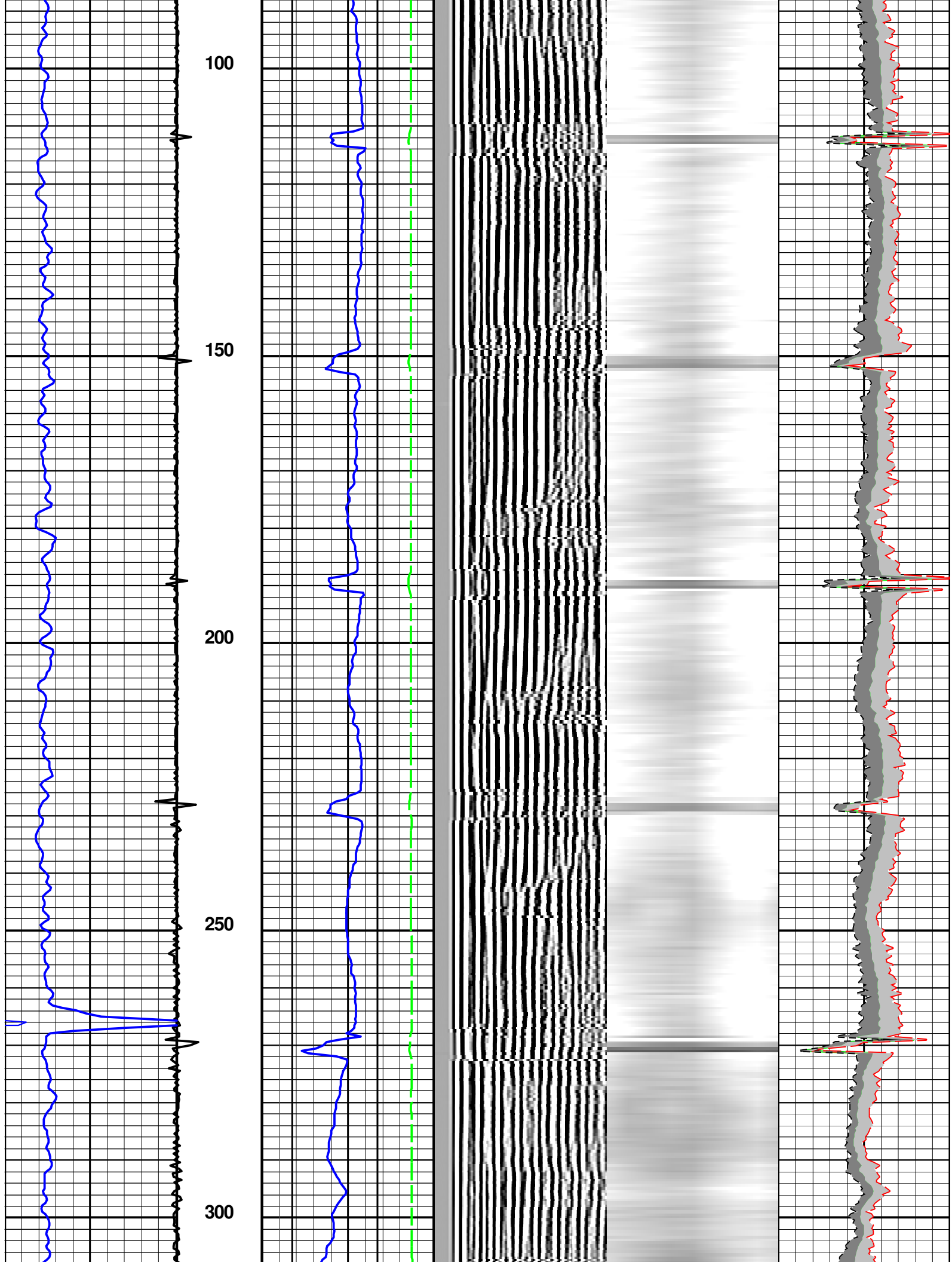
In making interpretations of logs, Contractor's employees will give the customer the benefit of their best judgement, but since all interpretations are opinions, based on inferences from electrical or other measurements, Contractor cannot, and does not, guarantee the accuracy or the correctness of any interpretation.

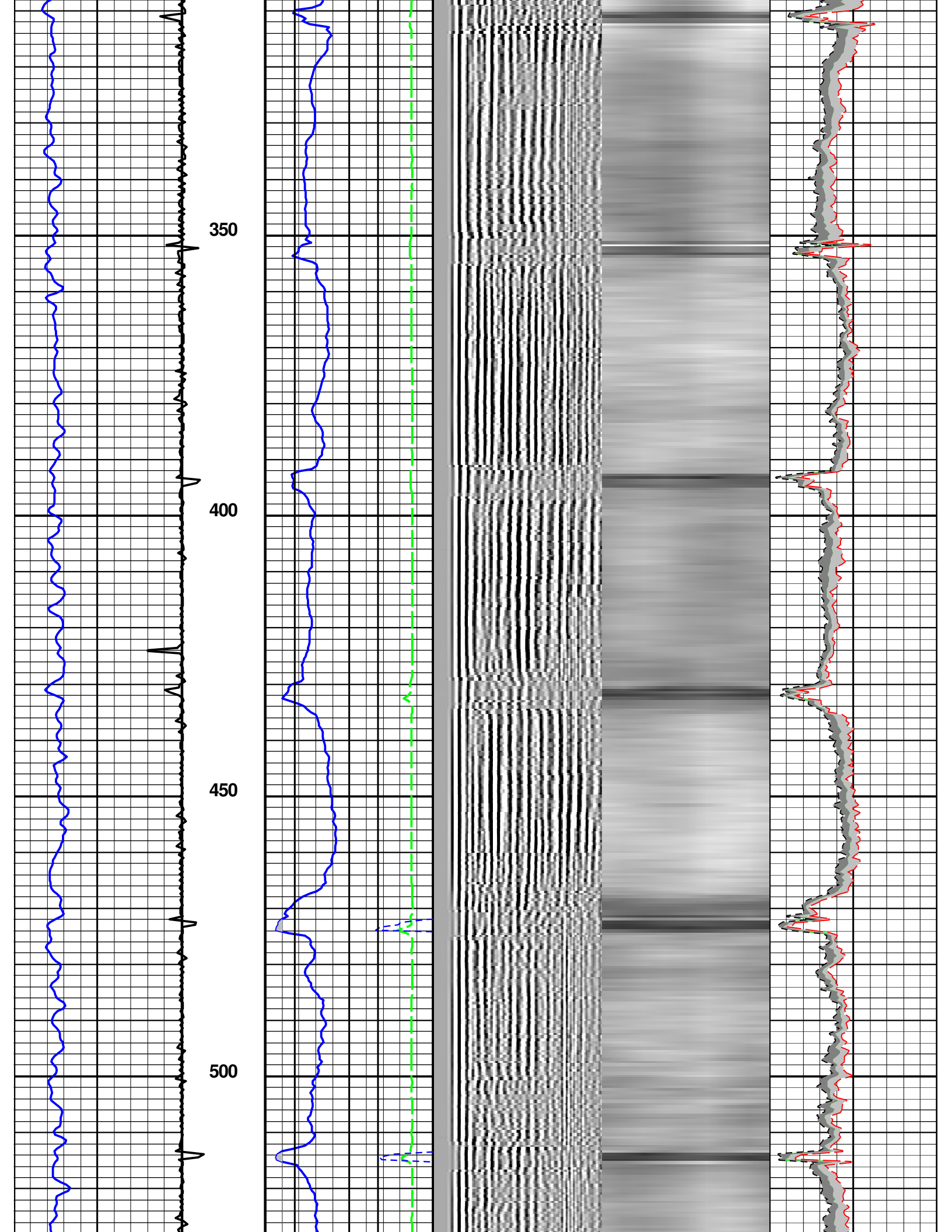
Main Pass

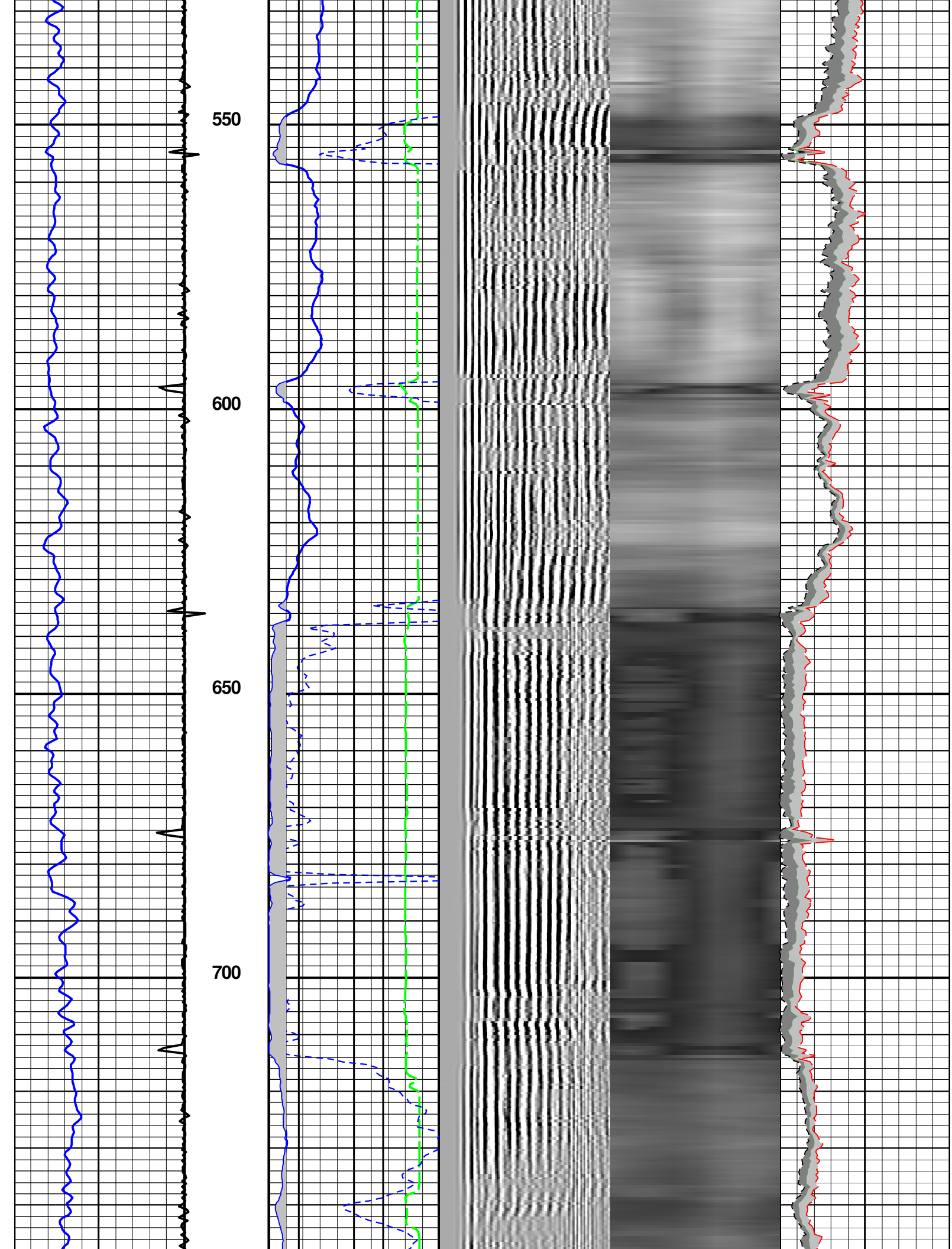
Company :
Well :
Scale : 1 : 240
Depth in : ft
Software : WinAPlot Ver. 5, 80, 0, 0

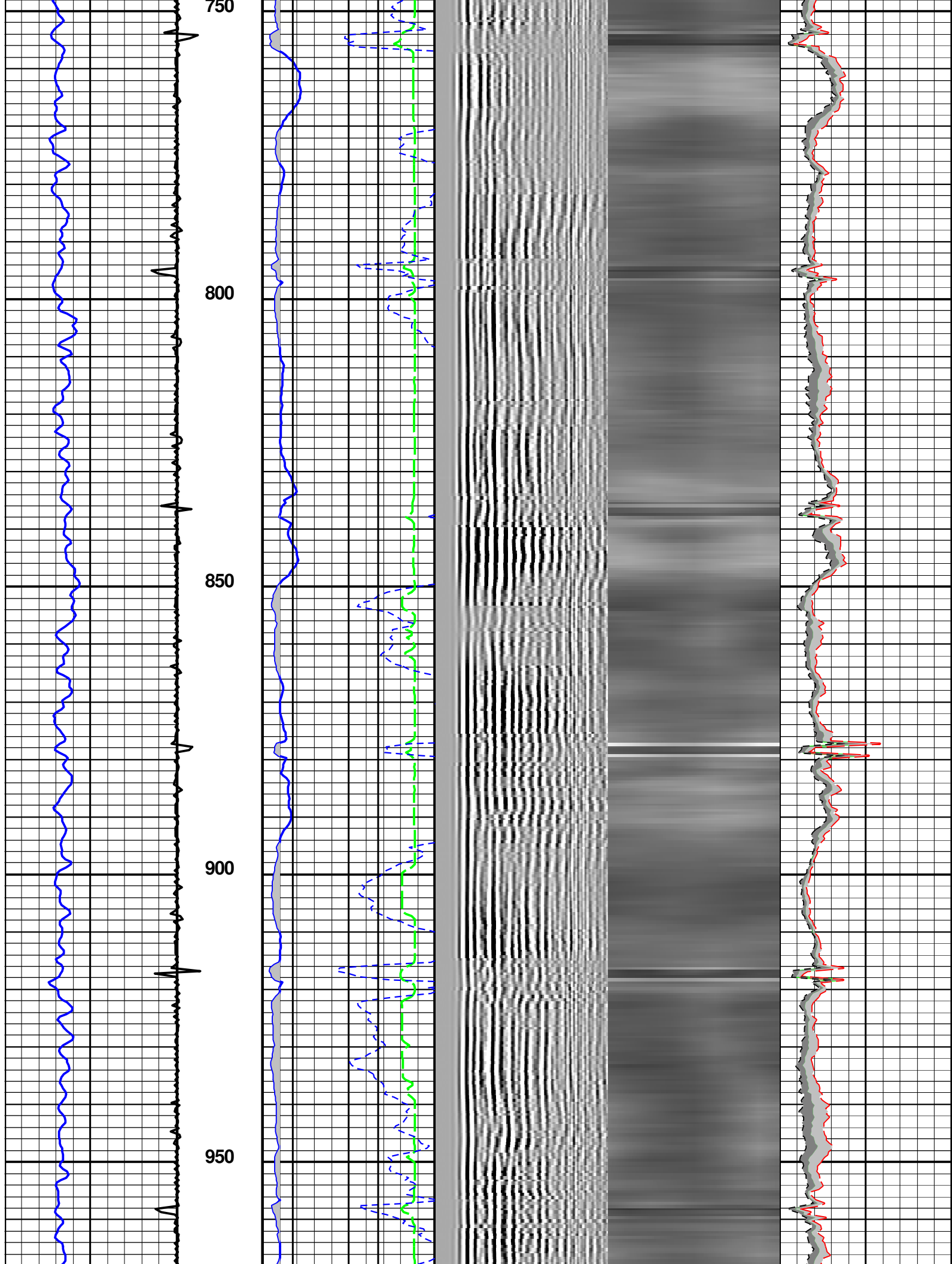
Date : 05.01.2015
Time : 16:05:47
Remarks :
File Name : Main

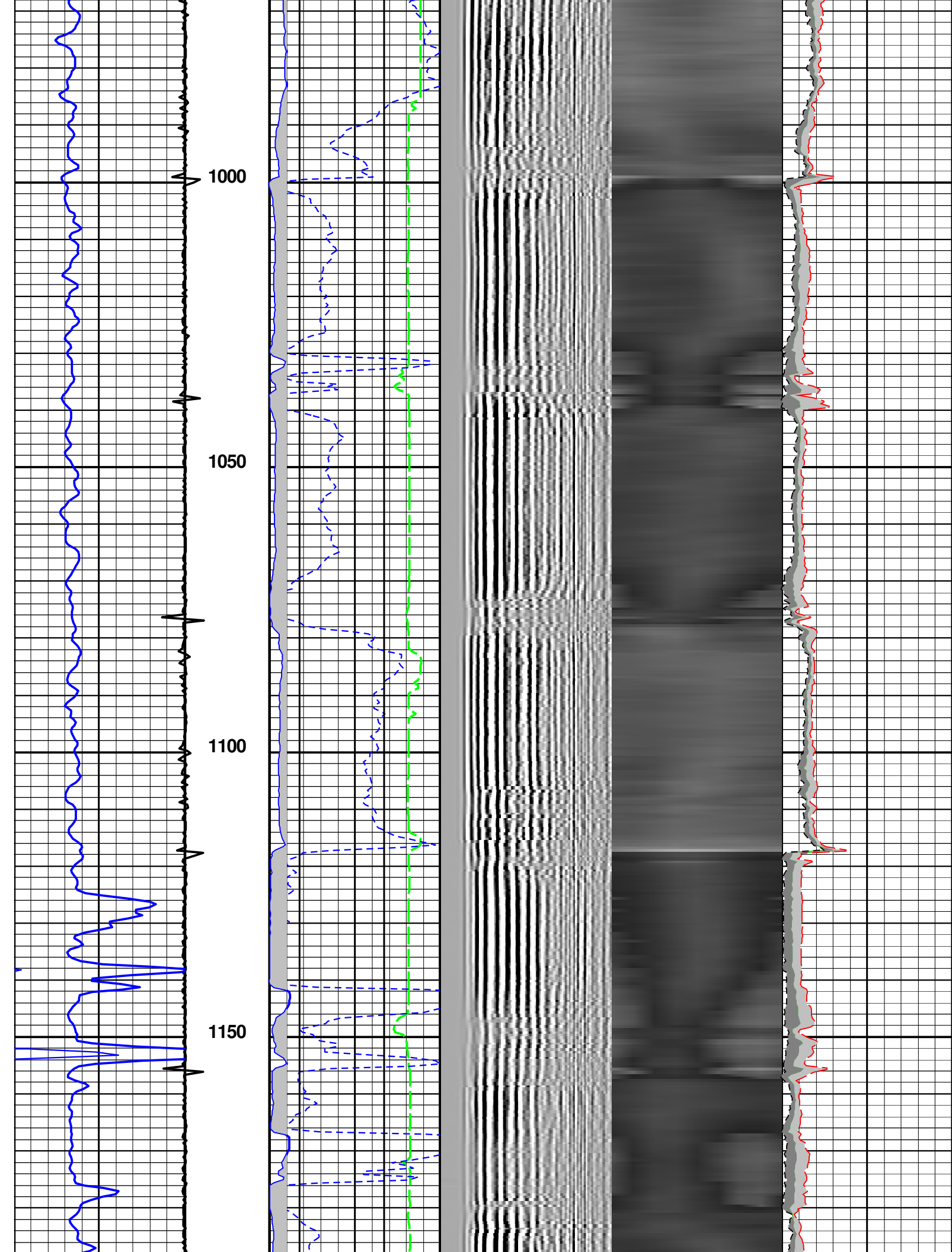


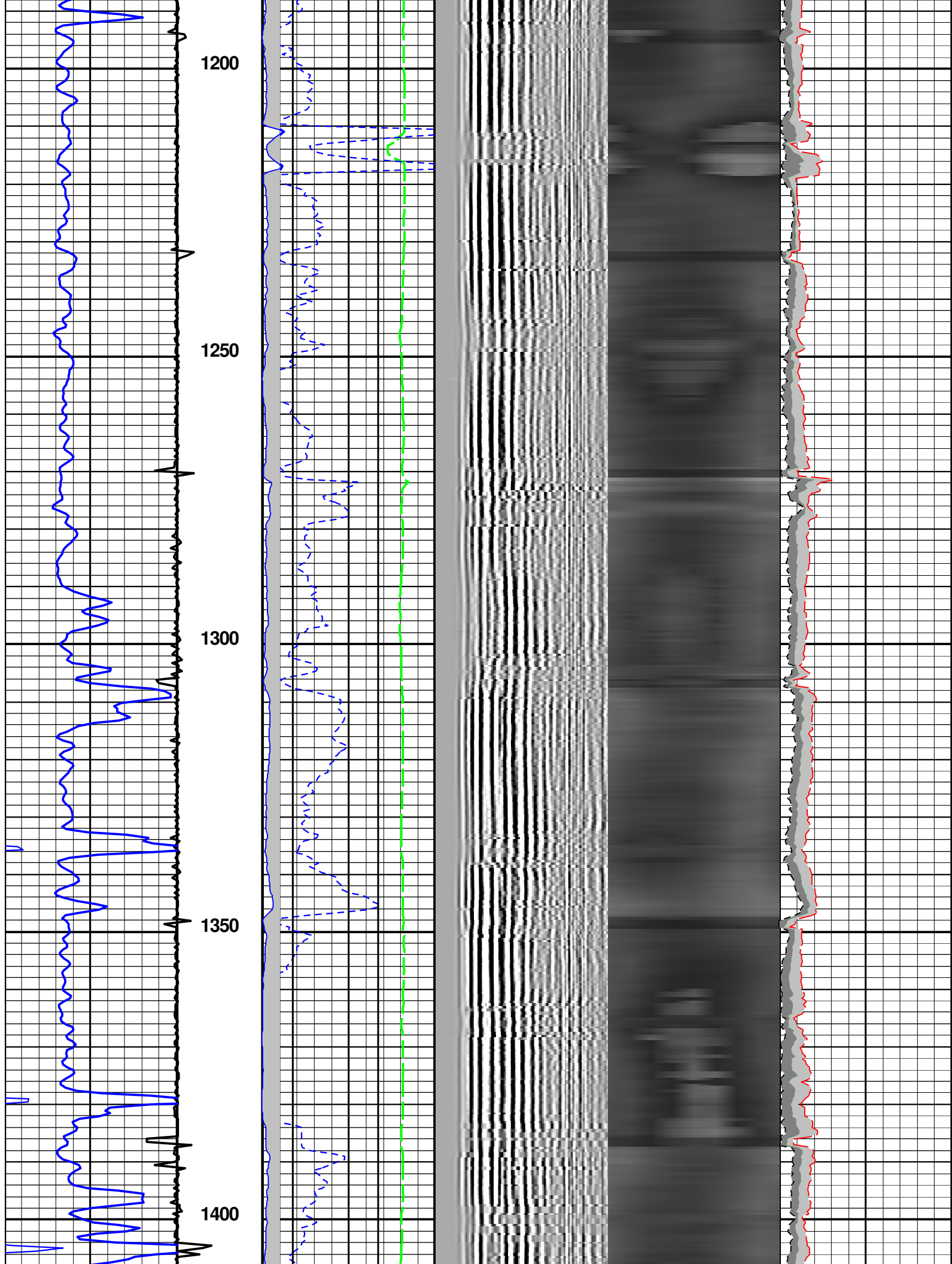


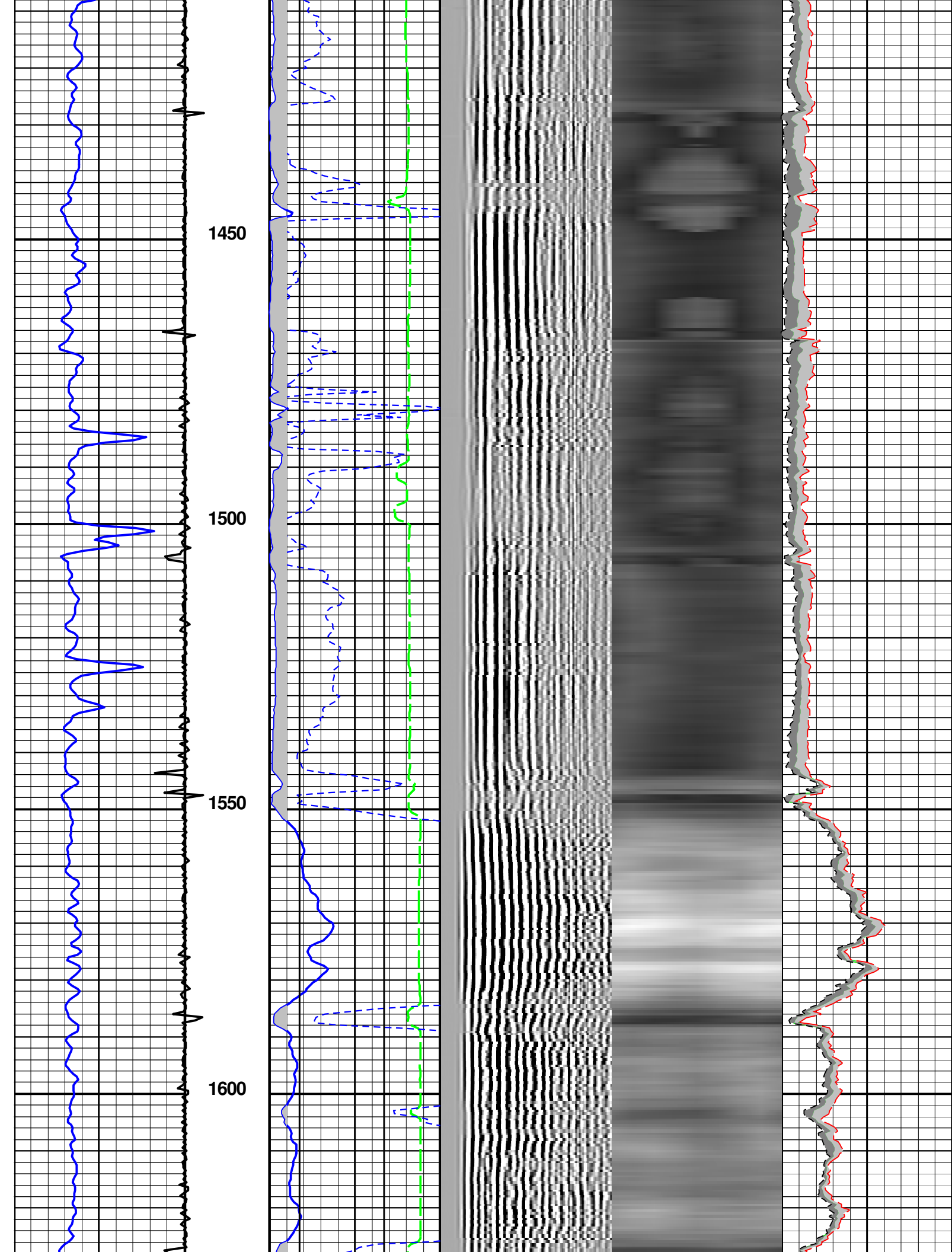


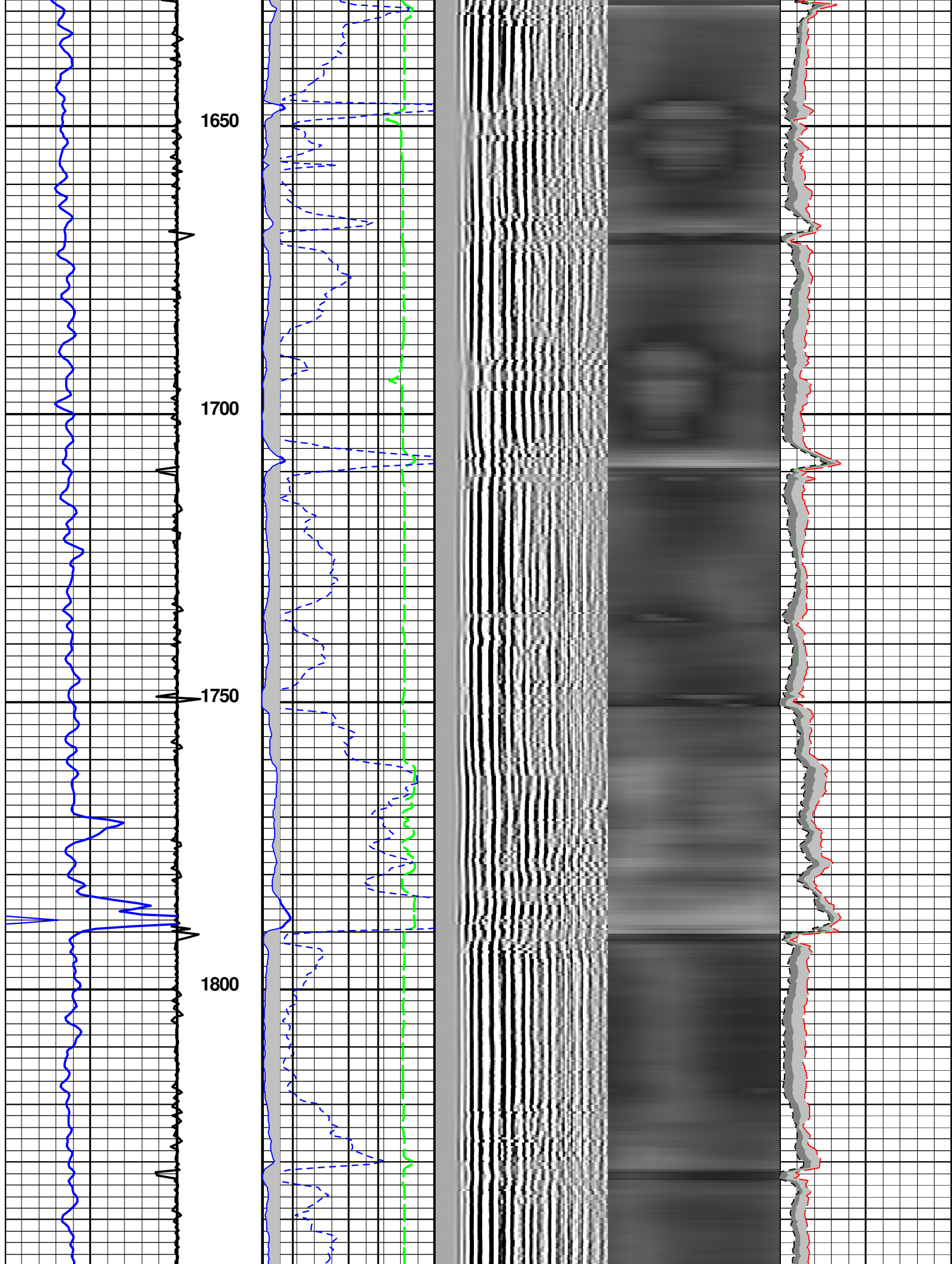


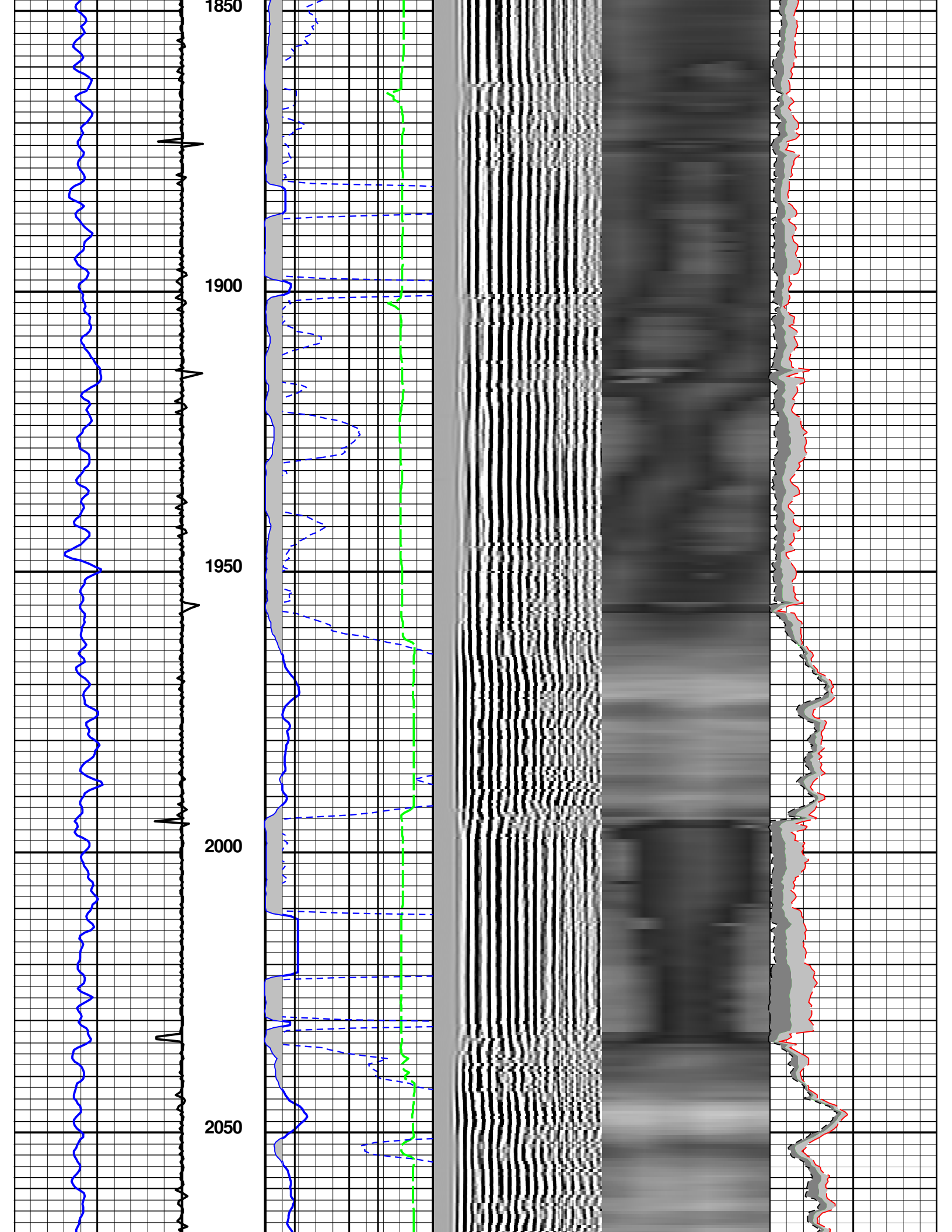


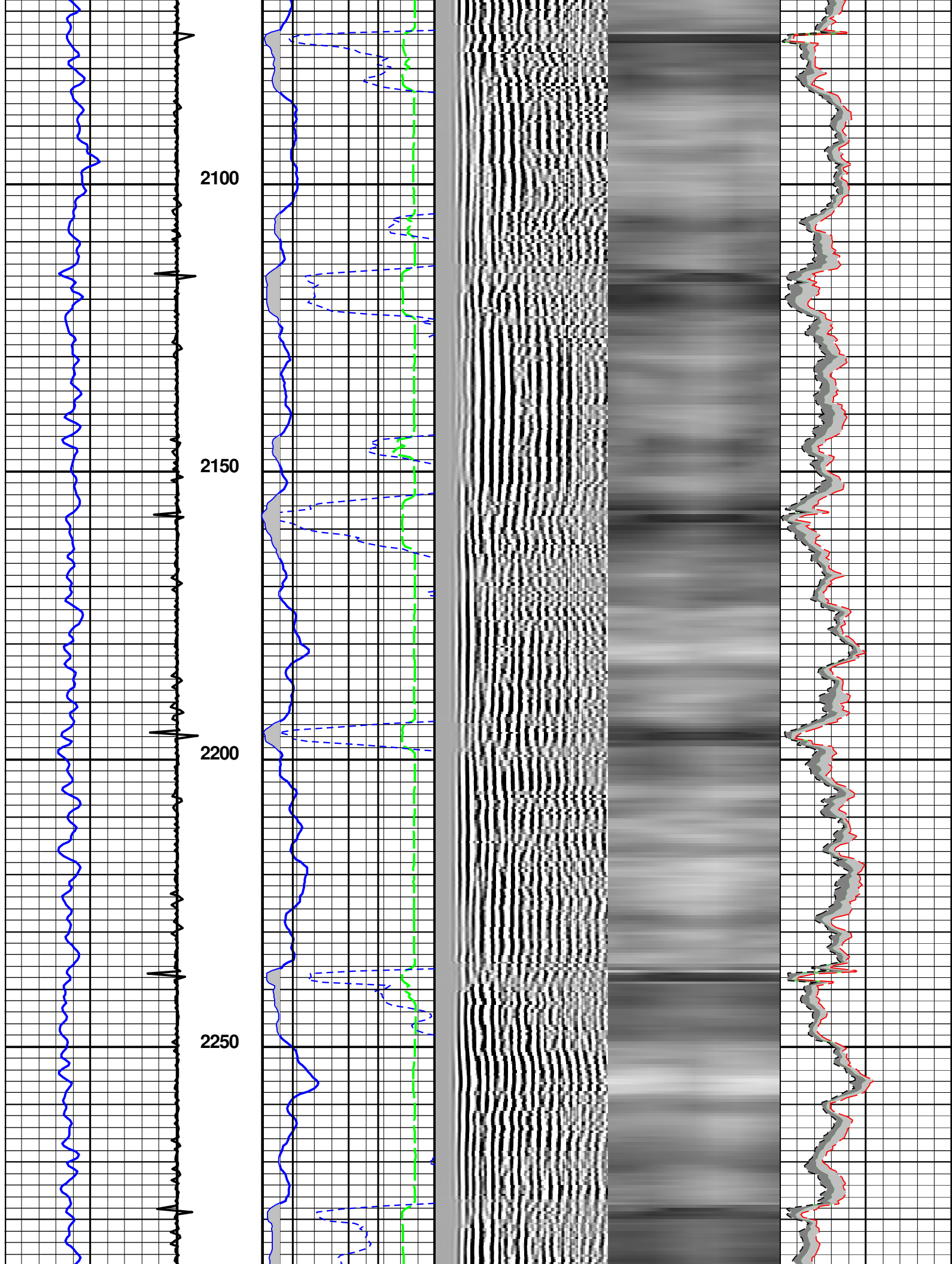


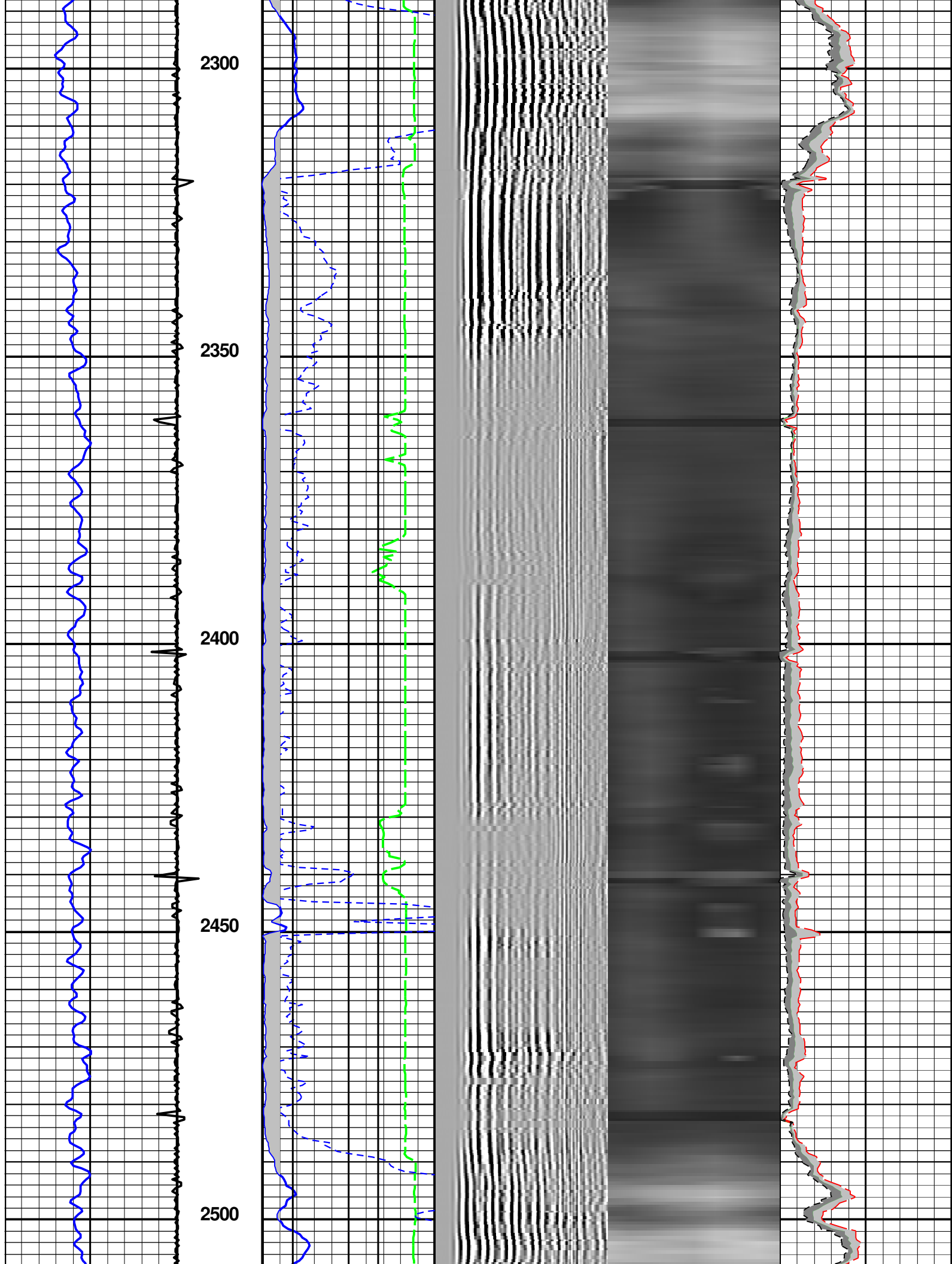


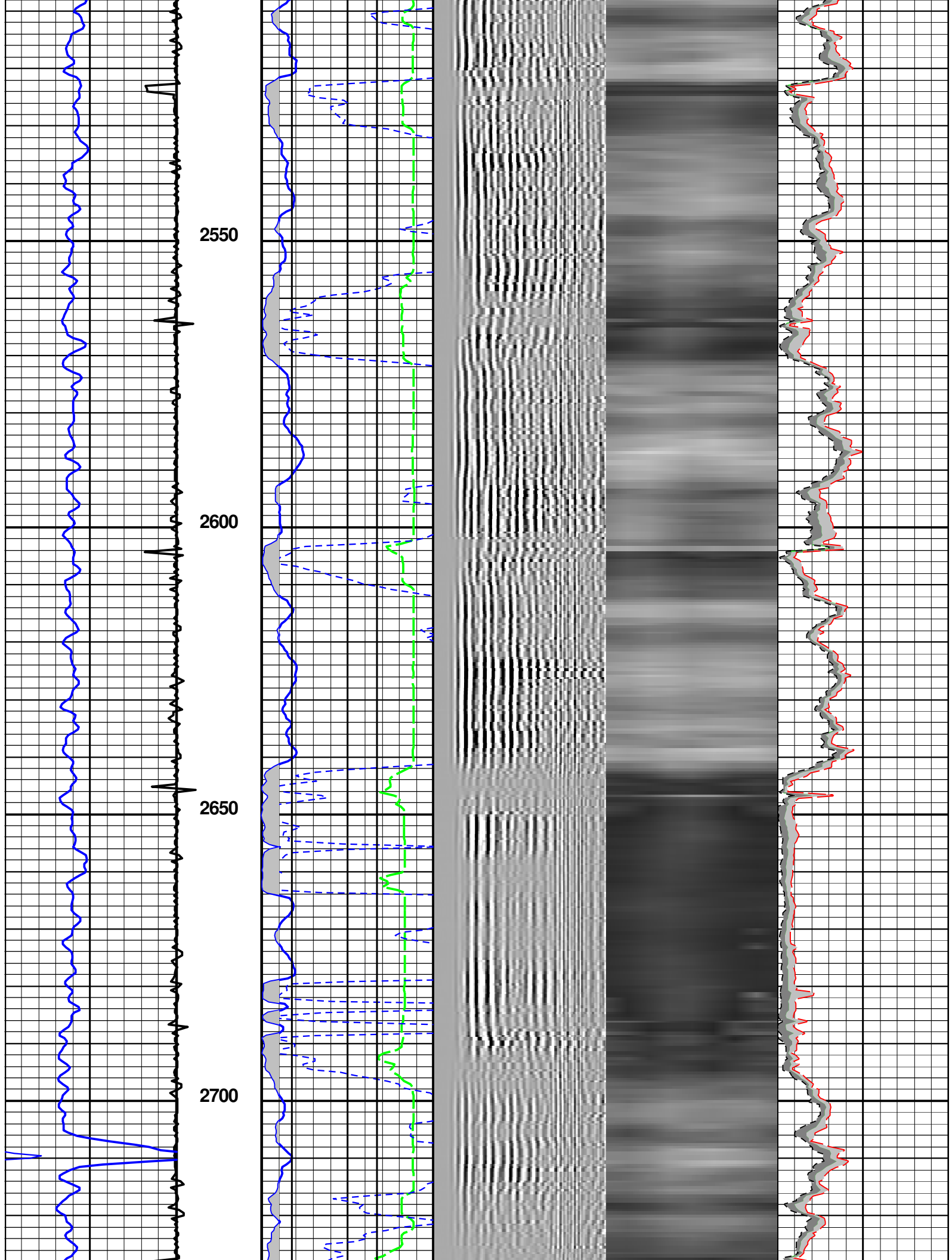


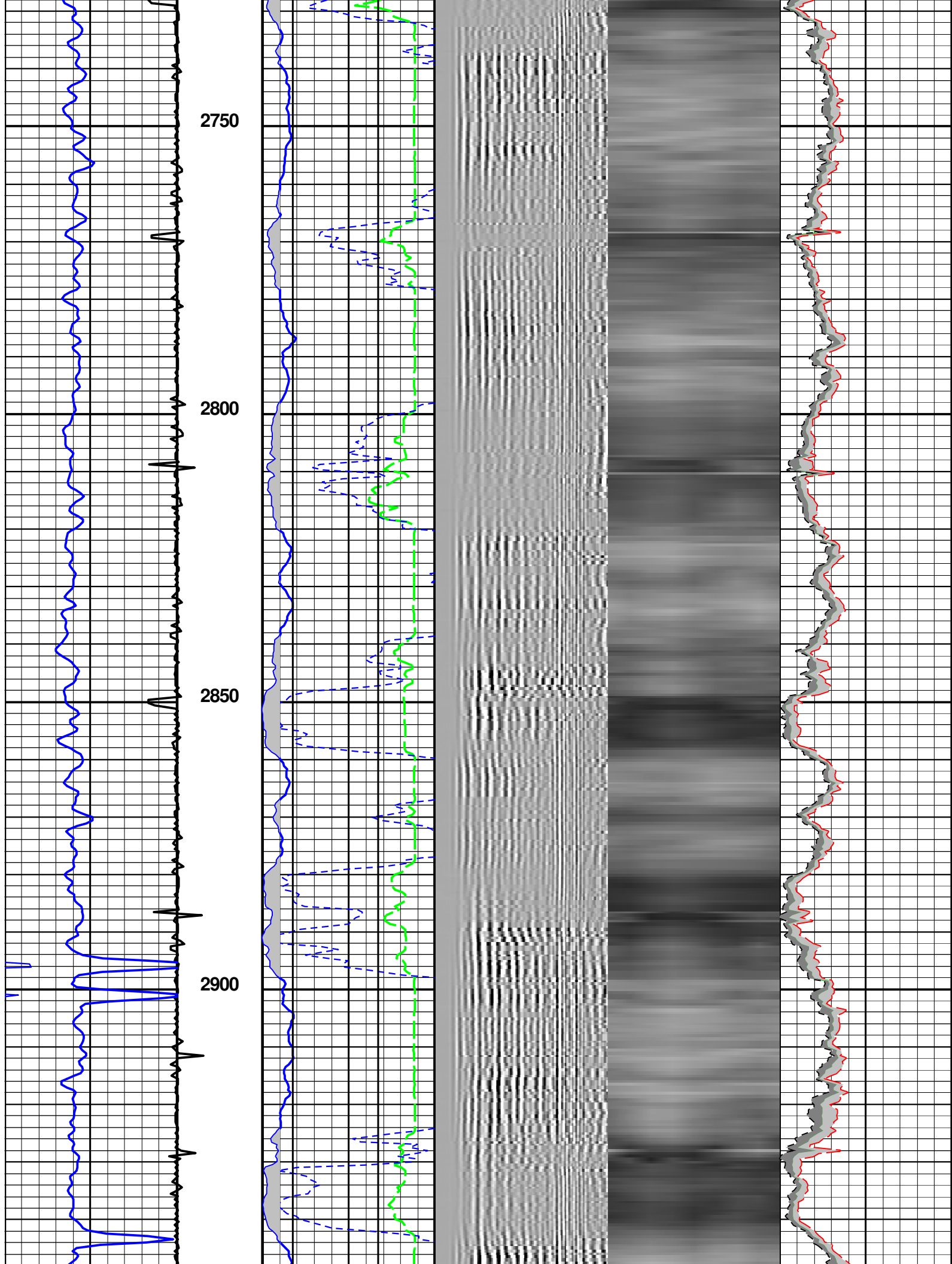


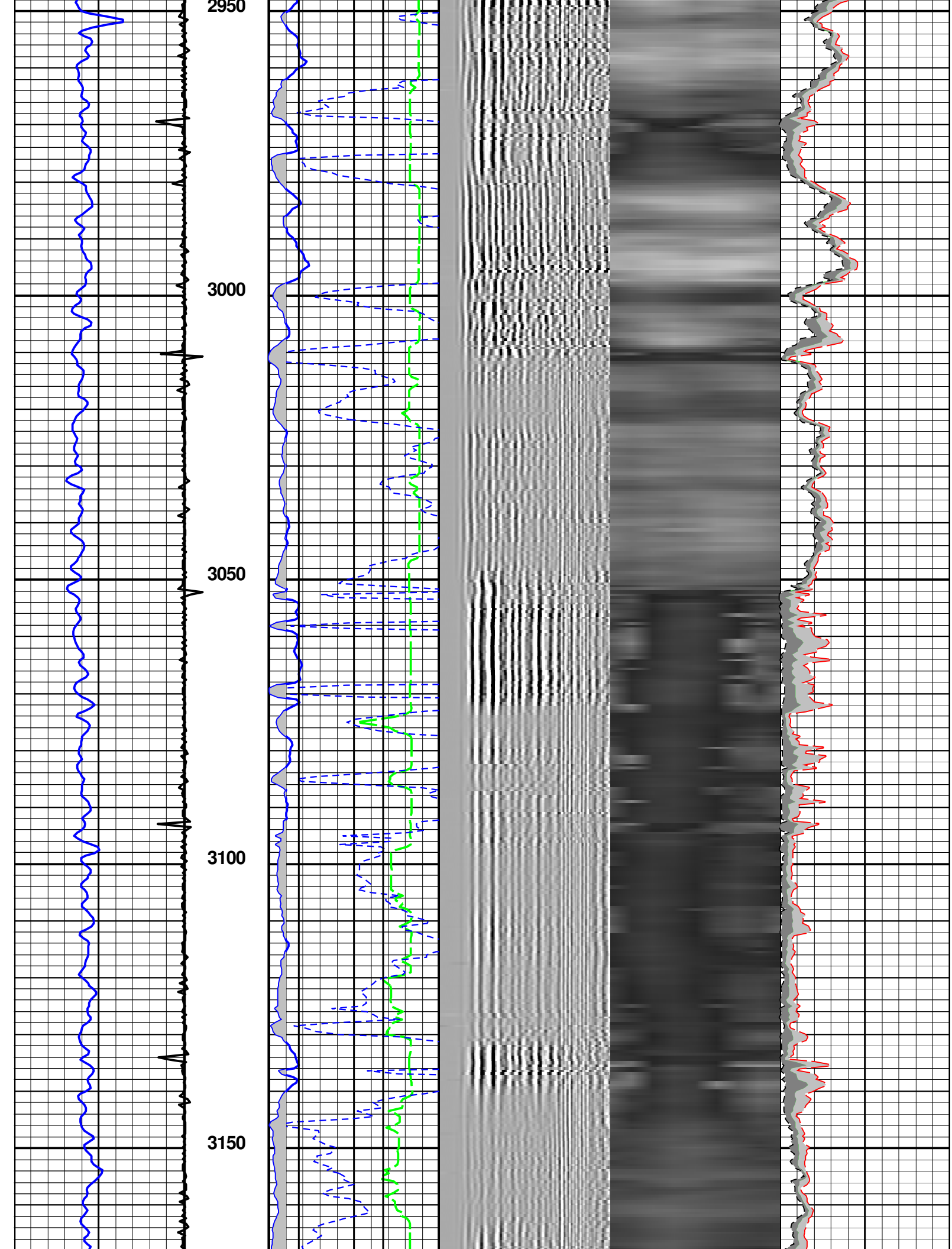


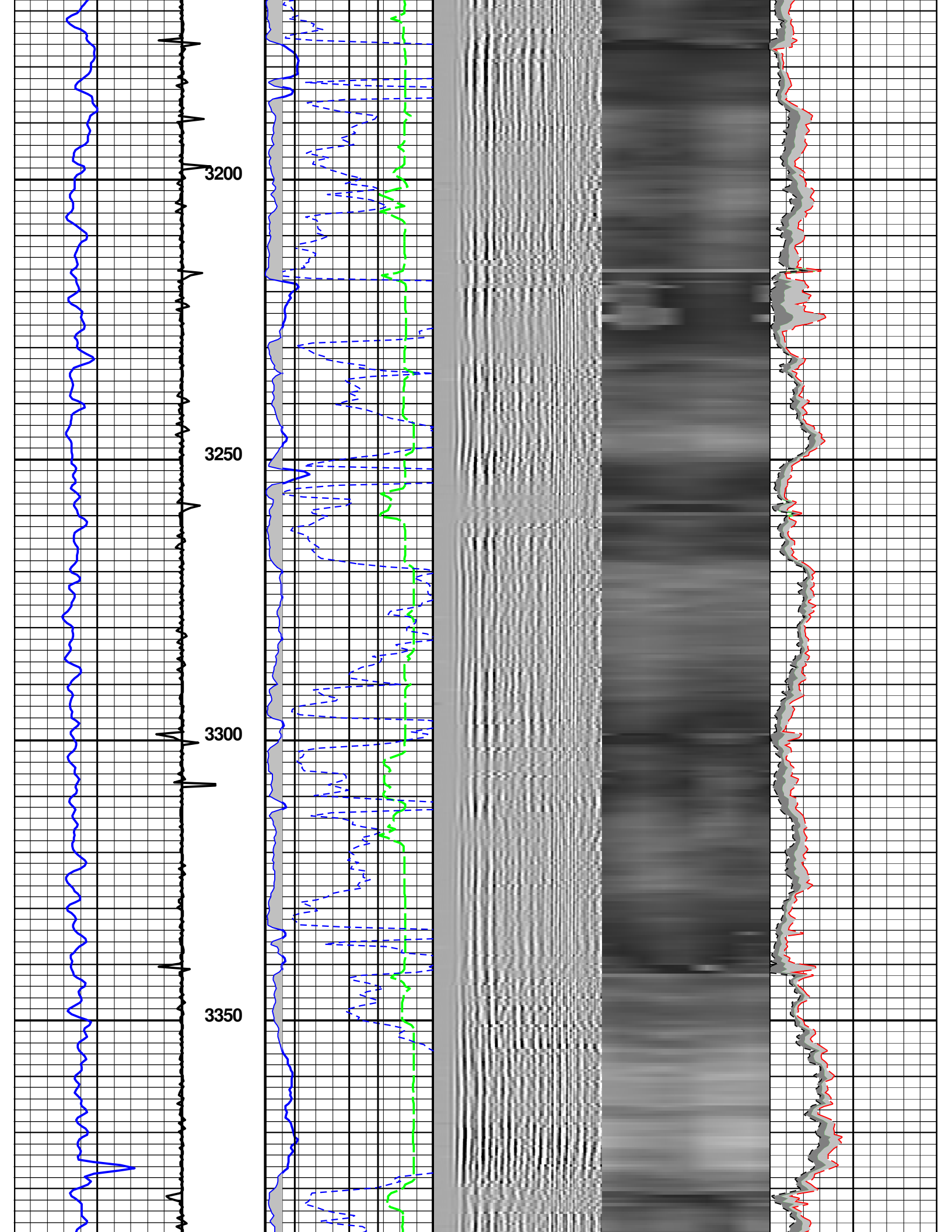


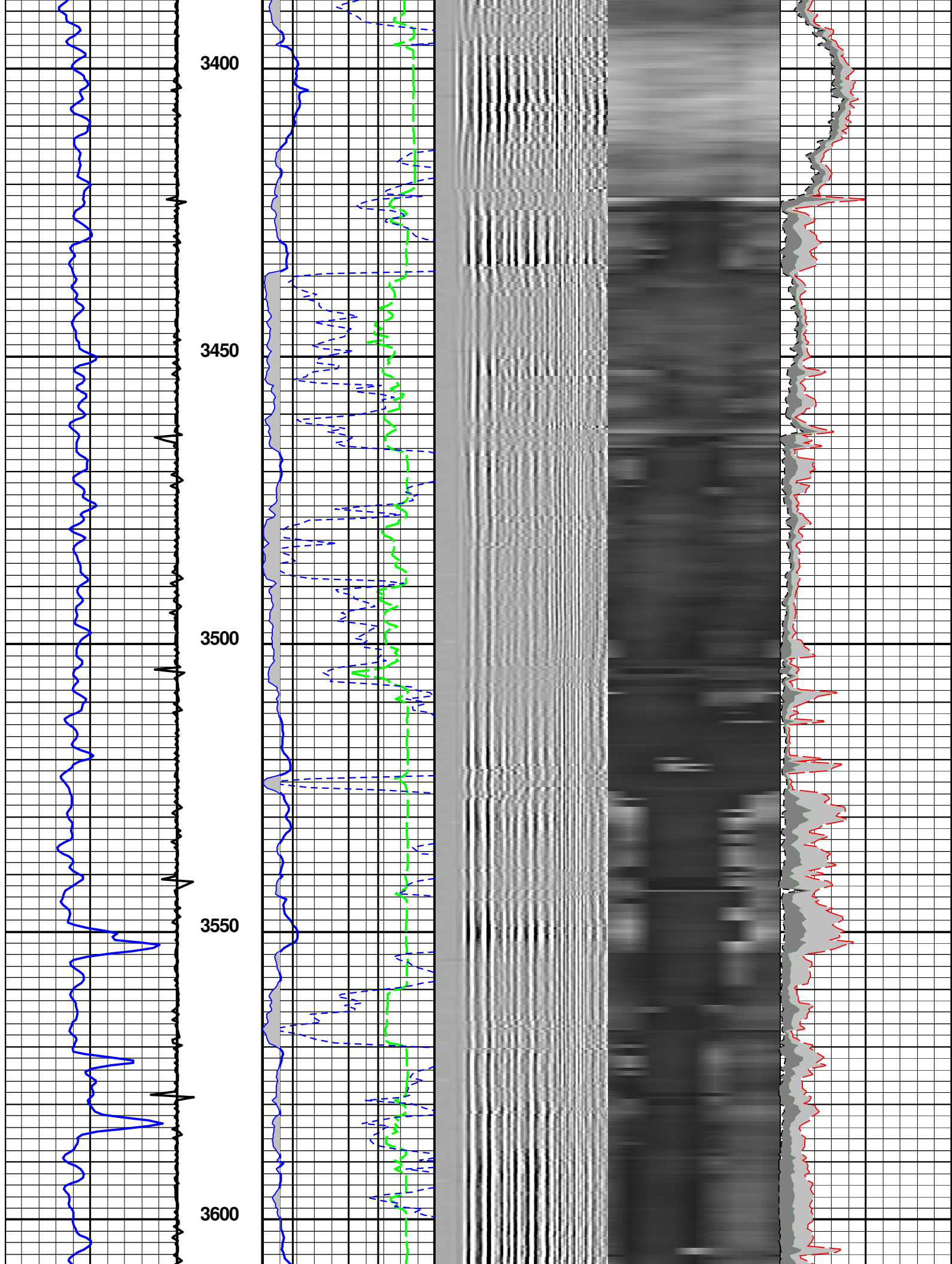


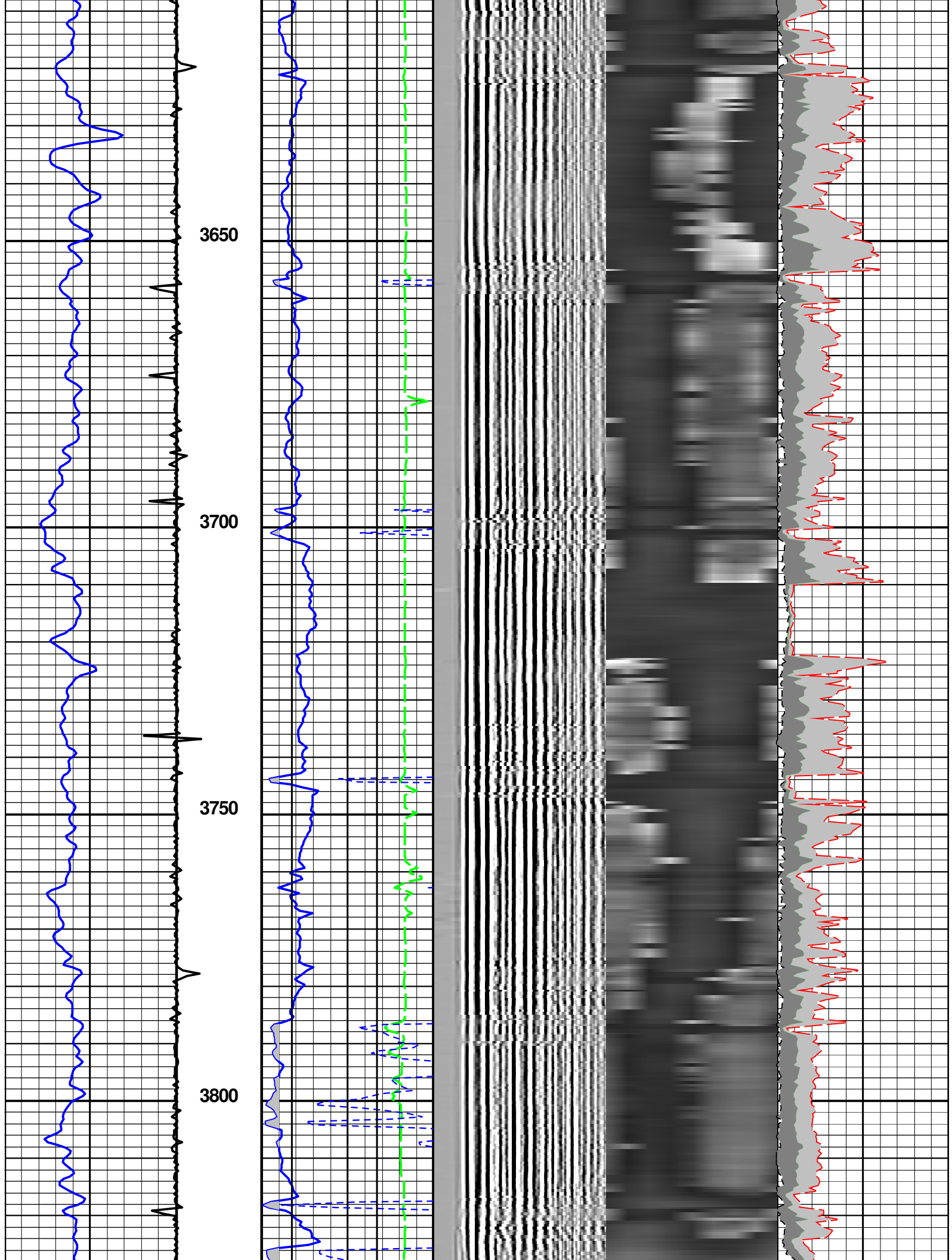


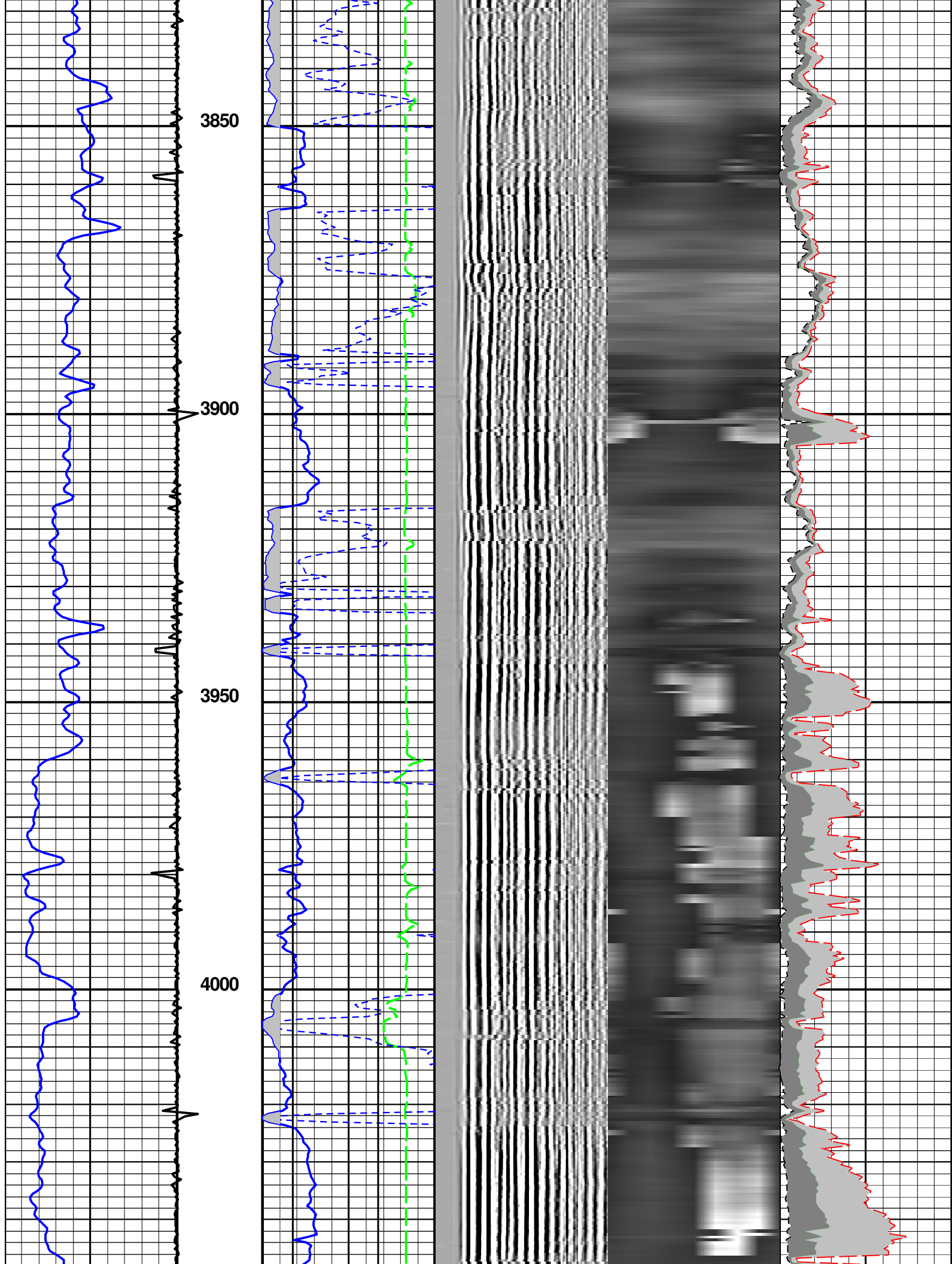


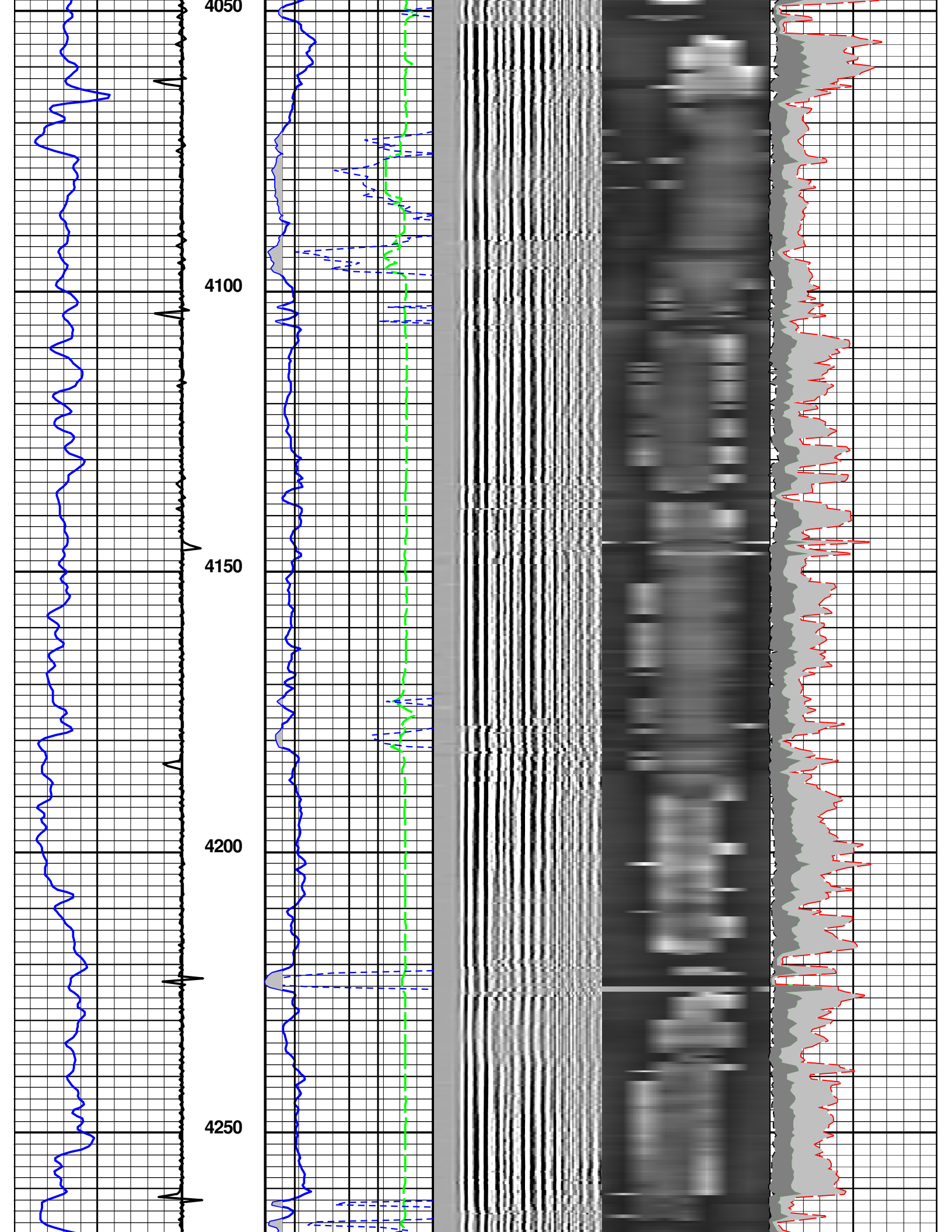


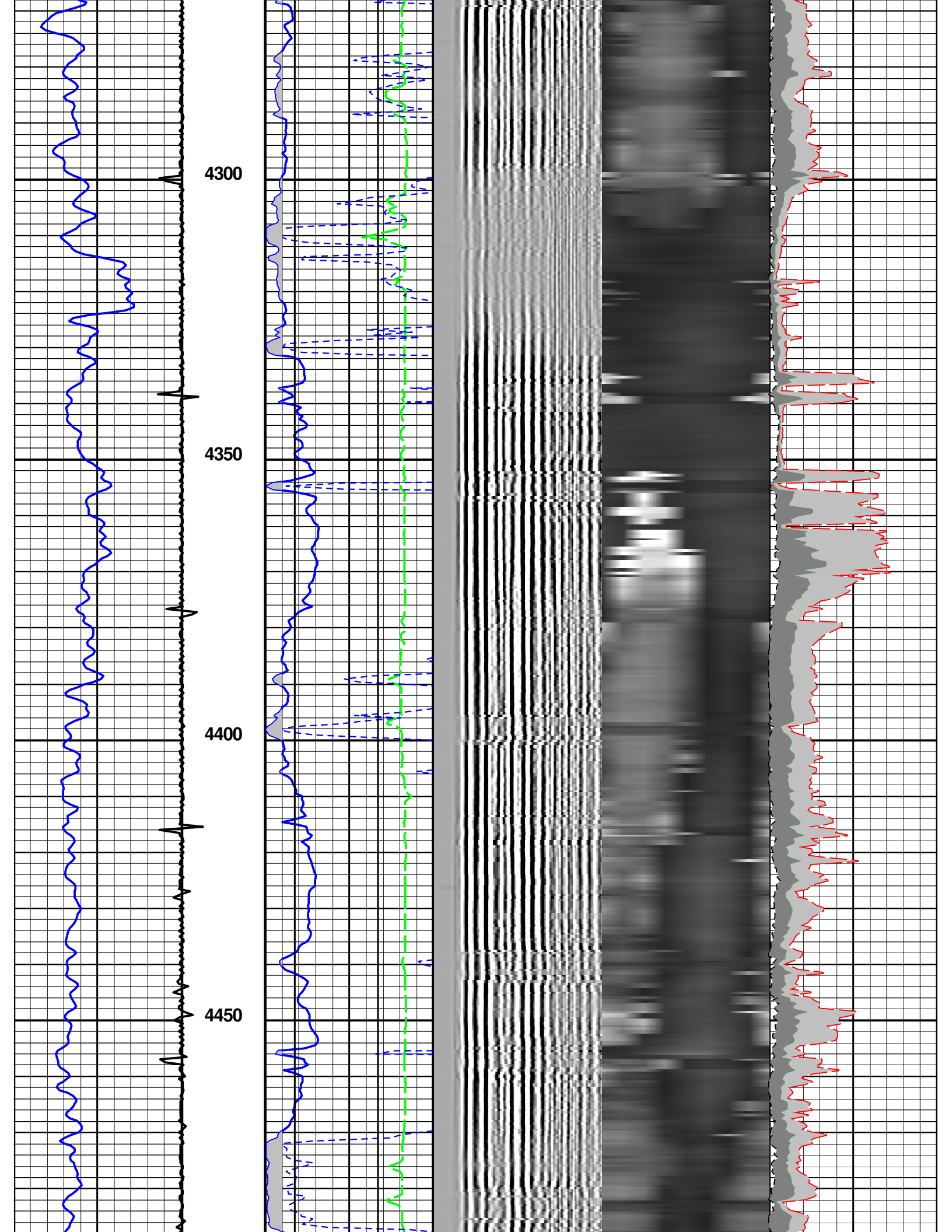


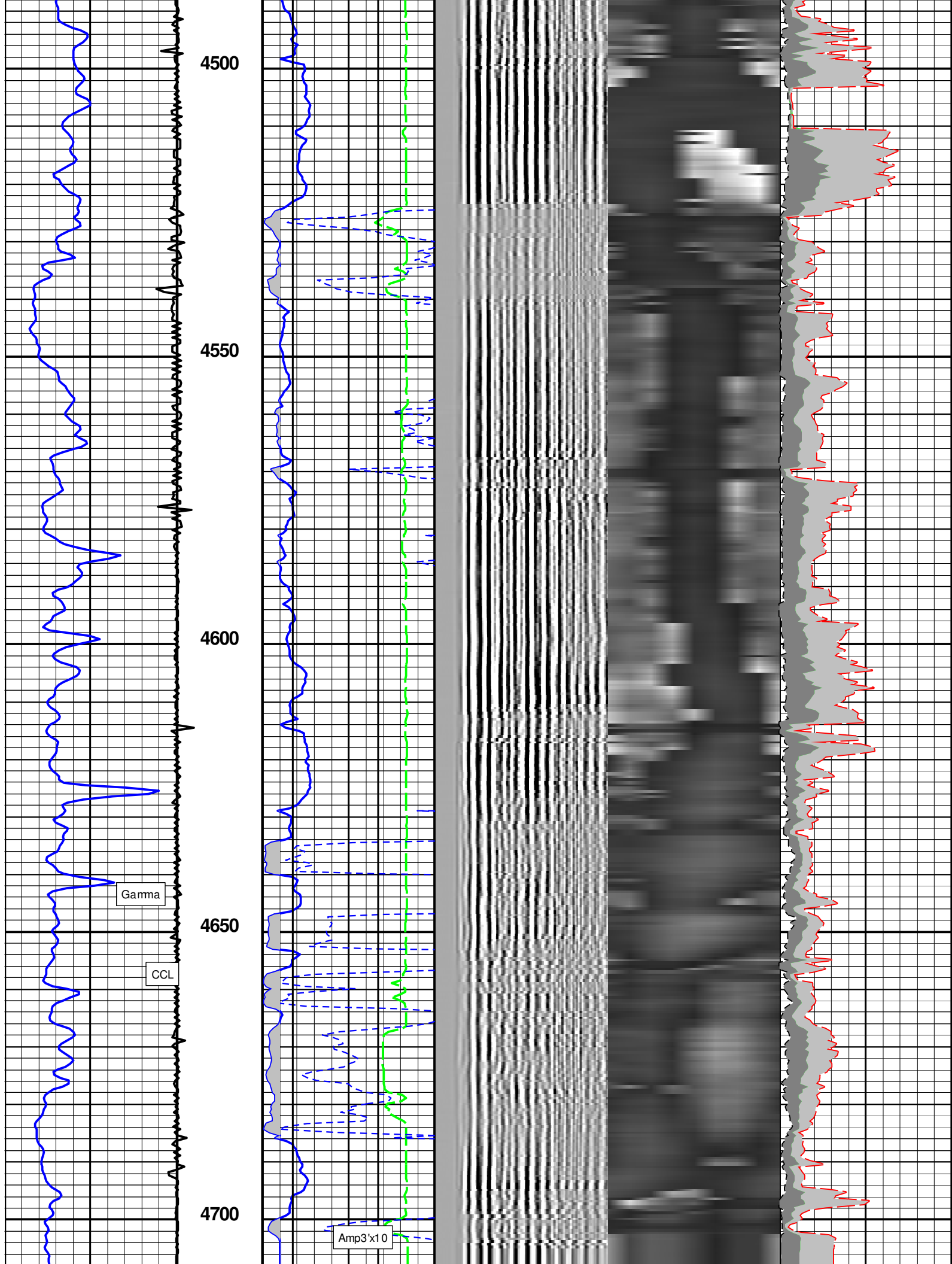


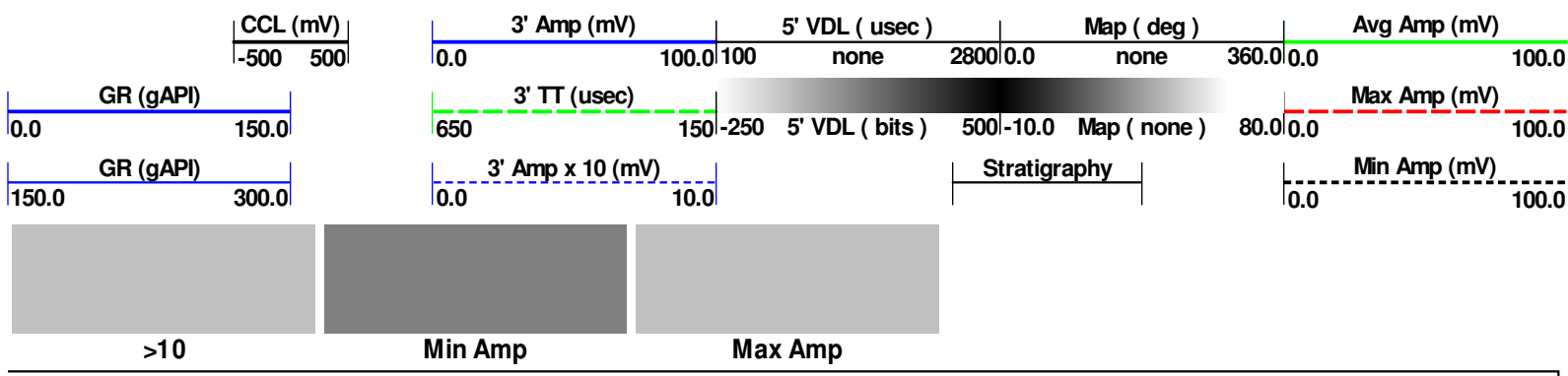
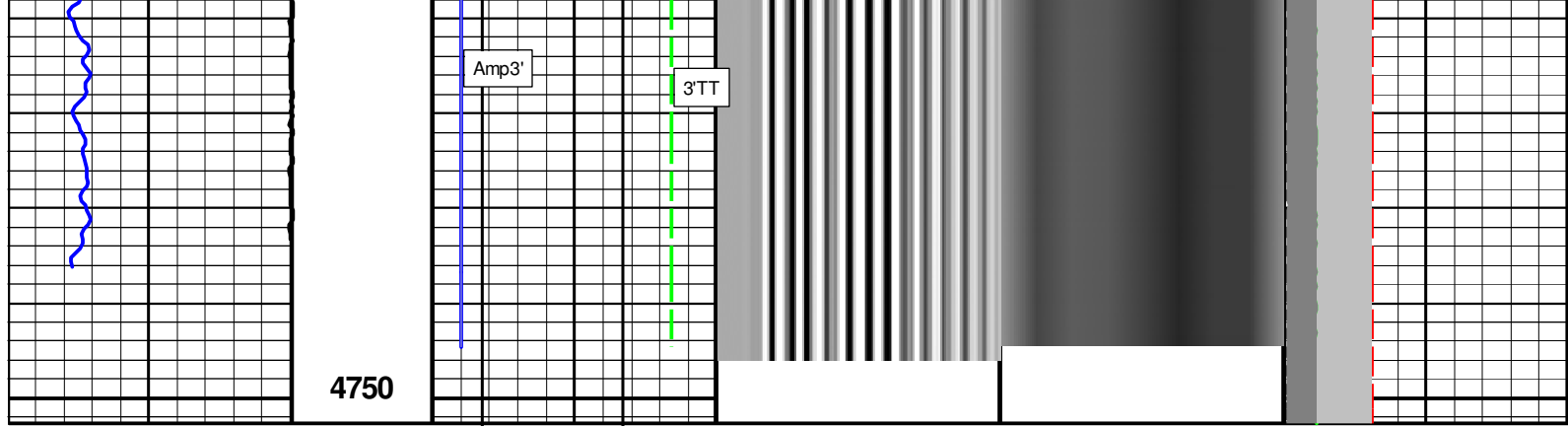






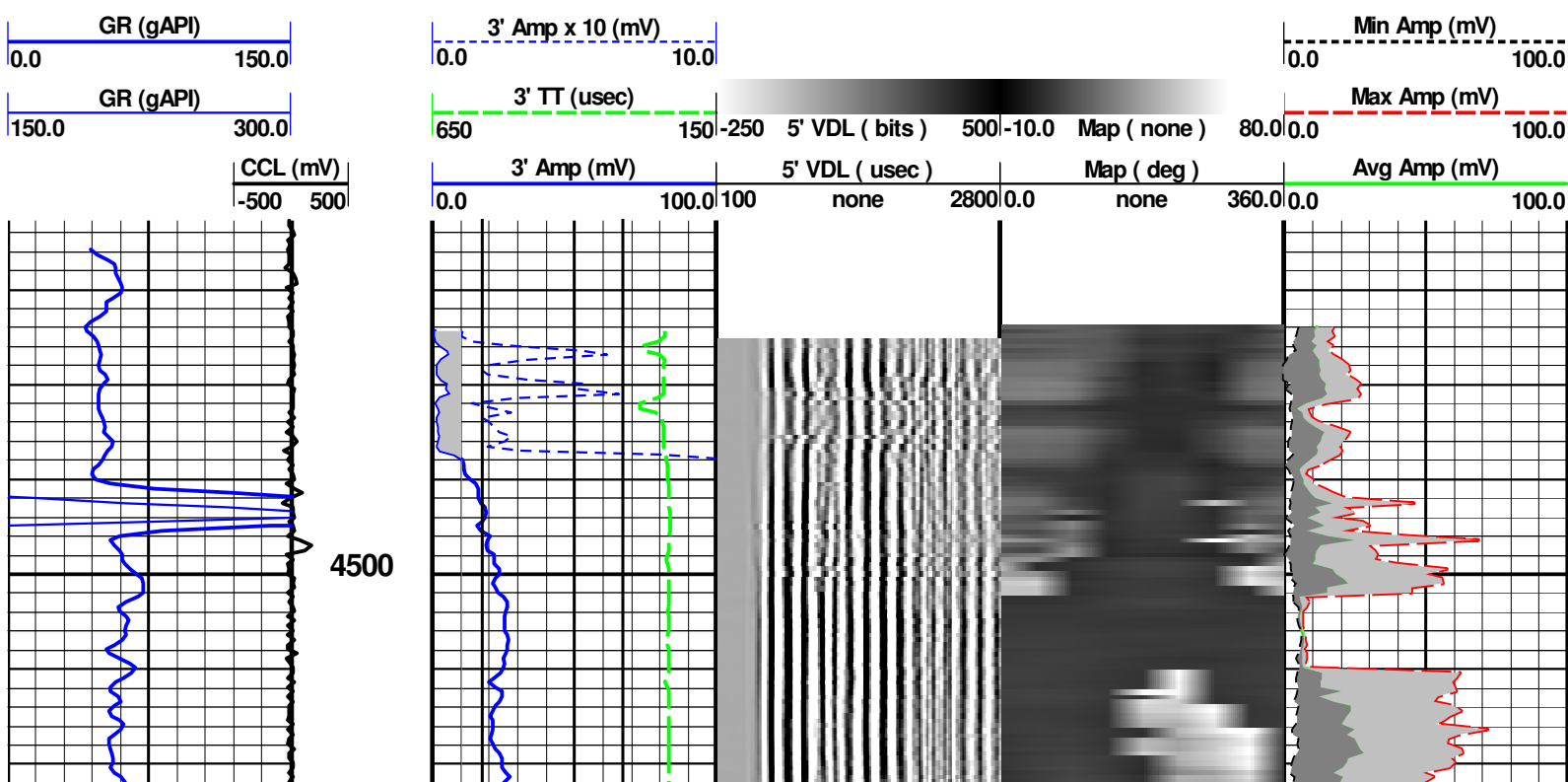


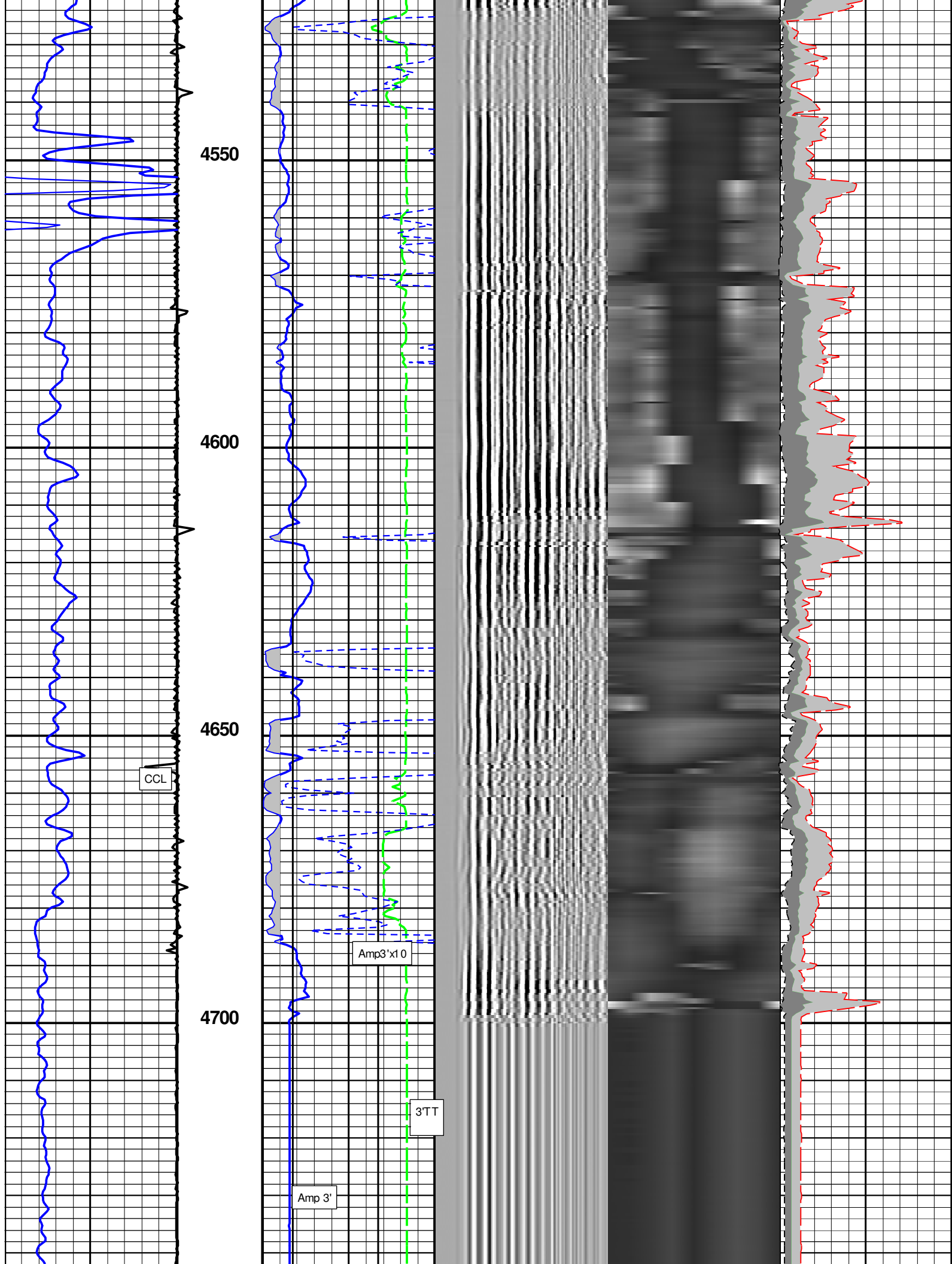


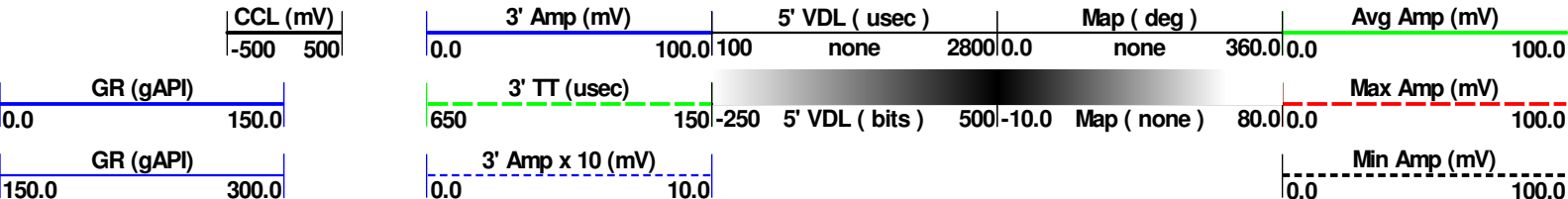
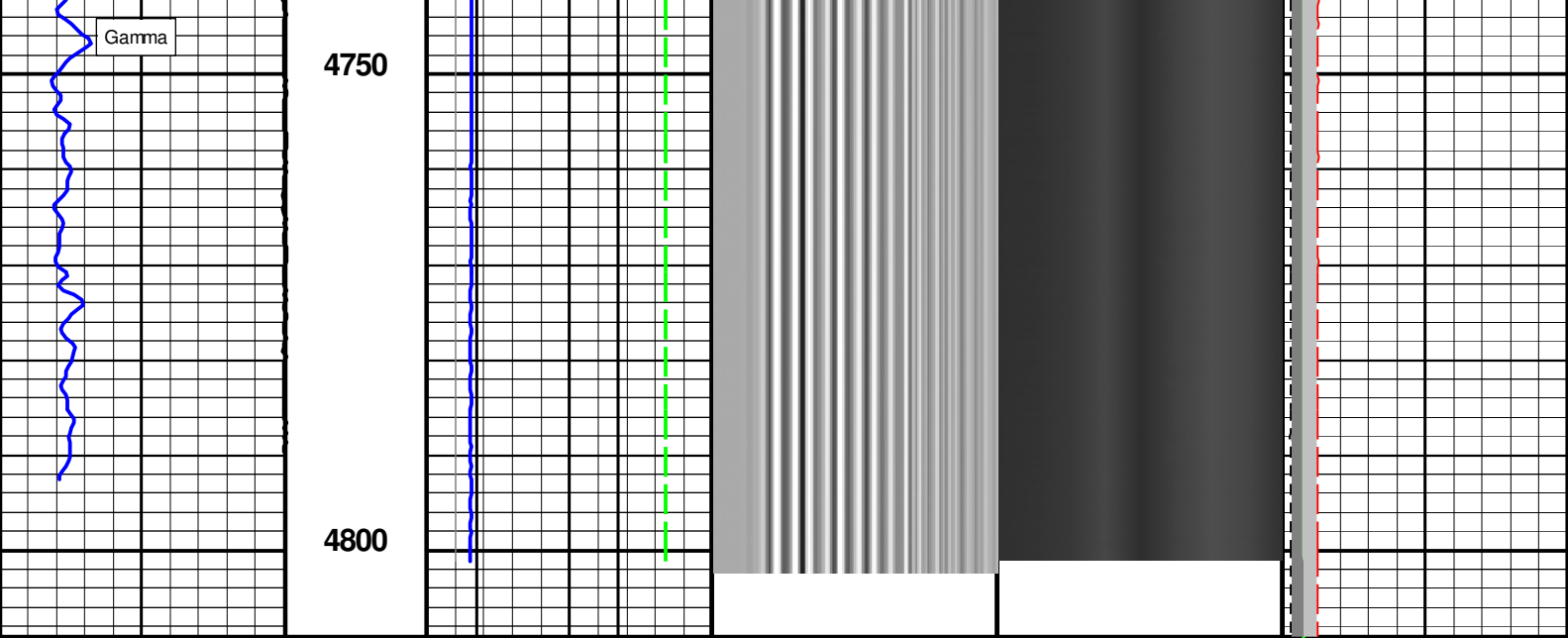


Repeat Pass

Company :	Date : 05.01.2015
Well :	Time : 15:54:14
Scale : 1 : 240	Remarks :
Depth in : ft	
Software : WinAPIPlot Ver. 5, 80, 0, 0	File Name : Repeat







Telemetry

Identifier 0929A

Asset Number 047

Length 4.810 ft

Diameter :1.7 inch

Weight :17.6 lbs

Measure Point 0.741 ft : Gamma

Measure Point 3.976 ft : CCL

Inline Centralizer

Identifier :0595t

Asset Number None

Length 2.887 ft

Diameter 2.7 inch

Weight :11.0 lbs

RSBT

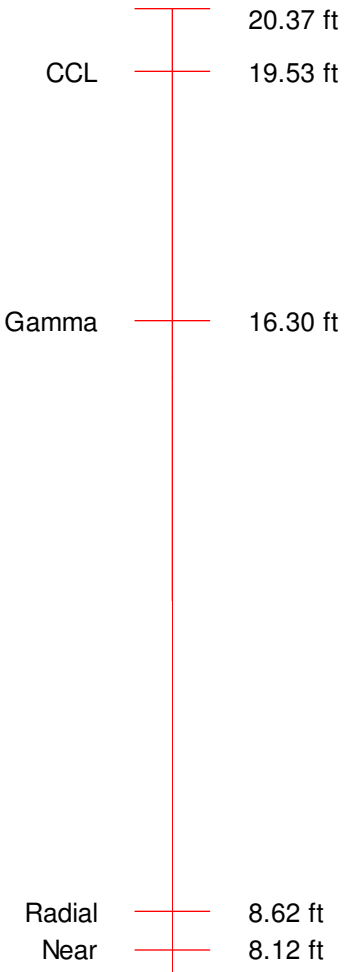
Identifier :1333A

Asset Number 011

Length 9.783 ft

Diameter 2.7 inch

Weight :149.9 lbs



Measure Point 2.730 ft : CBL
Measure Point 4.229 ft : Far
Measure Point 5.230 ft : Near
Measure Point 5.728 ft : Radial

Far 7.12 ft
CBL 5.62 ft
0.00 ft

Inline Centralizer

Identifier 0595b
Asset Number None
Length 2.887 ft
Diameter 2.7 inch
Weight 11.0 lbs

Total Length : 20.37 ft
Total Weight : 189.60 lbs
Max Diameter : 2.7 inch

File : C:.....\Job Files\2015 Jan 5 Chevron Mclaughlin 44d\ASF_0929A_047.cvf

Tool name : **Telemetry** Asset : **047** Series : **0929A** Source ID :

Gamma

Gamma Calibration

Time

Setup

Description

Setup Version 00000

Block	RawValue	User Value	Device	Device SN	Mult.
Background	0				
Jig ON	1				
Gamma	1	0.9 gAPI			0.9

Tool name : **Telemetry** Asset : **047** Series : **0929A** Source ID :

Acc

Two Point Calibration

Time

Setup

Description

Setup Version 00000

Curve Name	pt	RawValue	User Value	Device	Mult.	Add.
Accel	1	0	0 g		0.991621	-0.000
Accel	2	1.00845	1 g			

File : C:.....\Job Files\2015 Jan 5 Chevron Mclaughlin 44d\ASF_1333A_011.cvf

Tool name : **RSBT** Asset : **011** Series : **1333A** Source ID :

GoodAmpPercentF

Array Calibration

Time
Setup
Description
Setup Version 00000

No	Value	No	Value	No	Value	No	Value	No	Value	No	Value
01:	10										

Tool name : **RSBT**Asset : **011**Series : **1333A**

Source ID :

GoodAmpPercentN**Array Calibration**

Time
Setup
Description
Setup Version 00000

No	Value	No	Value	No	Value	No	Value	No	Value	No	Value
01:	10										

Tool name : **RSBT**Asset : **011**Series : **1333A**

Source ID :

GoodAmpPercentS**Array Calibration**

Time
Setup
Description
Setup Version 00000

No	Value	No	Value	No	Value	No	Value	No	Value	No	Value
01:	10										

Tool name : **RSBT**Asset : **011**Series : **1333A**

Source ID :

Amplitudes**RSBT Amplitude Calibration**

Time
Setup
Description
Setup Version 00000

Device Description

Casing ID **4.78 inch**
Fluid Velocity **1500 m/s**
Amplitude **100 %**

Instrument Readings

	Near	Far							
CBL Amplitudes	6490.870	7339.970							
Radial Amplitudes	1	2	3	4	5	6	7	8	
	5565.980	5479.440	5792.180	6143.380	6237.380	5866.010	5760.950	5637.710	

API #:05-103-06301

DATE : 2015 Jan-05

COMPANY:Chevron USA INC
WELL:McLaughling AC #44

FIELD: Rangely
COUNTY: Rio Blanco

STATE: Colorado

Cement Bond Log

Thank you for choosing FMC Technologies!