



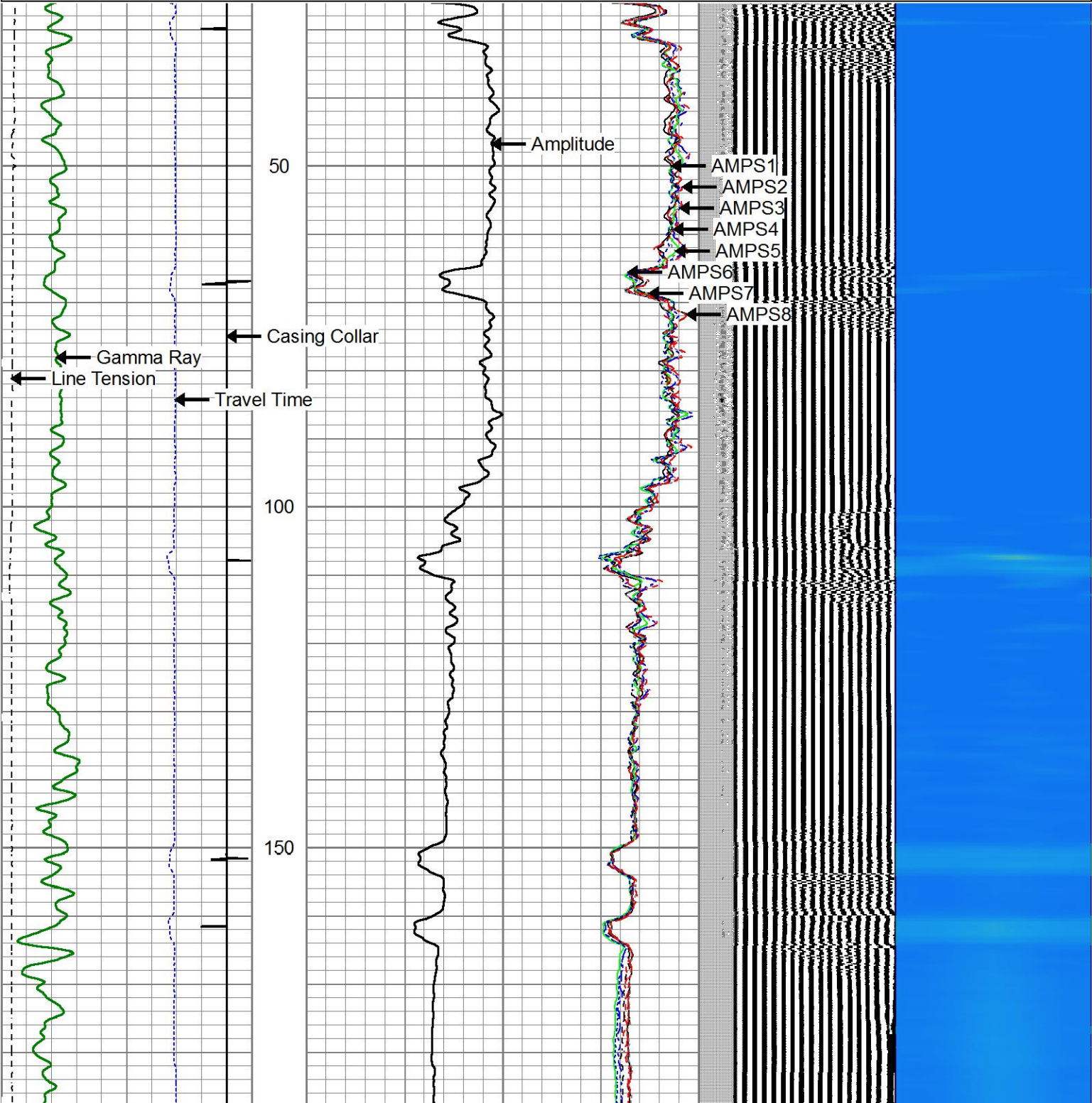
<<< Fold Here >>>

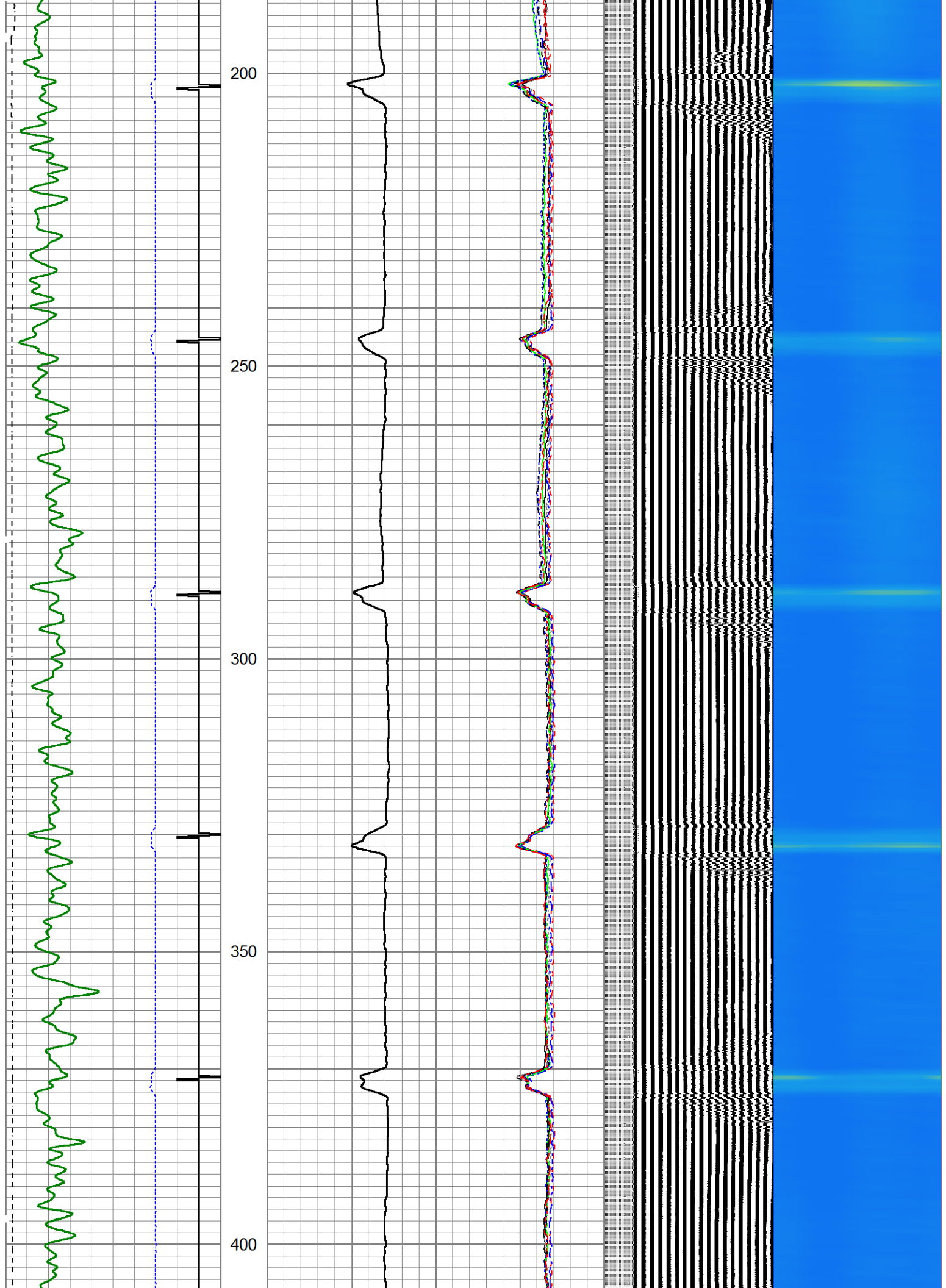
Comments

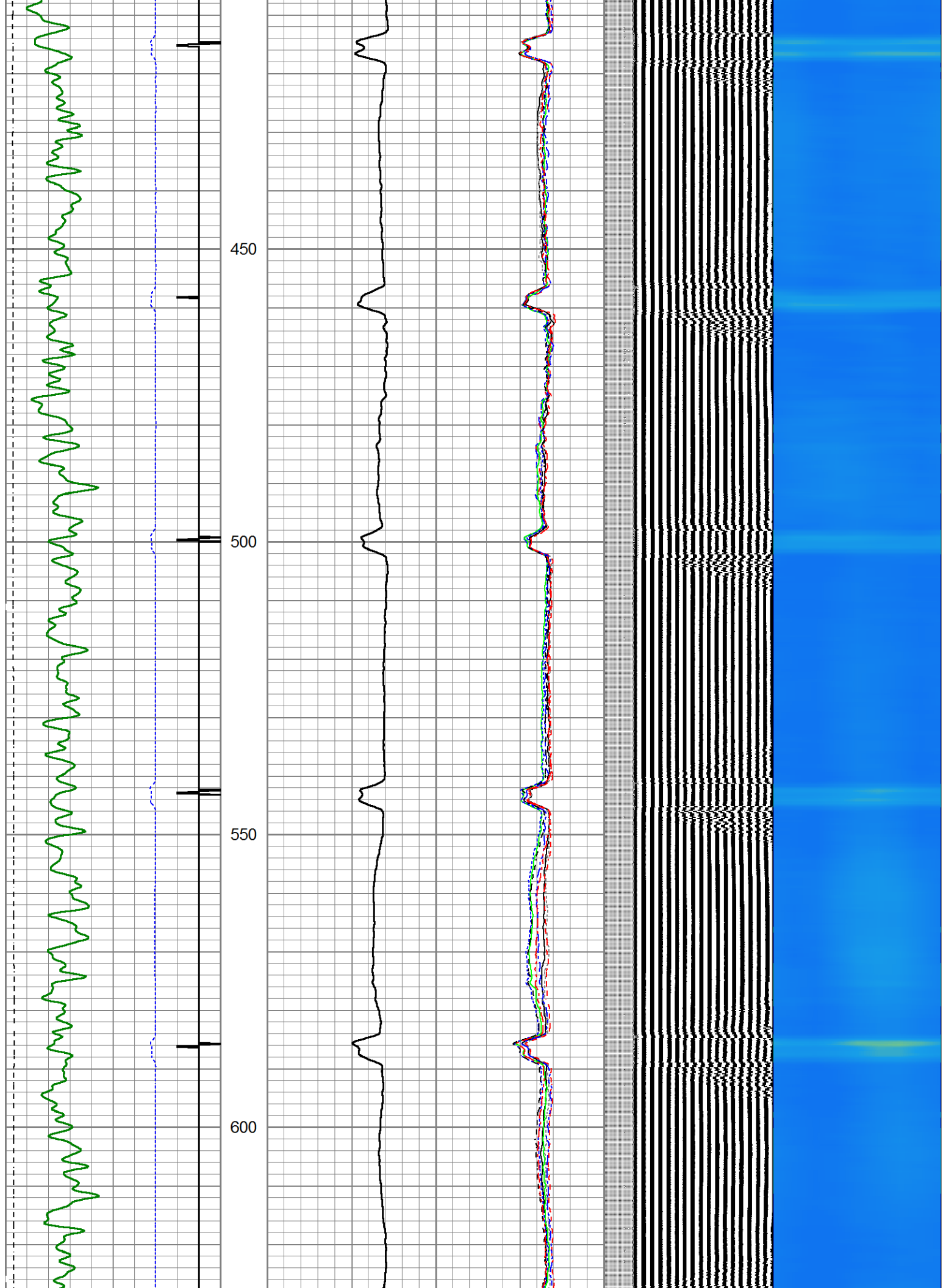
TOOL ZEROED AT GROUND LEVEL AND ADJUSTED FOR KB (30ft)
NO OTHER DEPTH ADJUSTMENTS MADE DOWNHOLE
NO DEVIATION INFORMATION PROVIDED
TOOL RAN WITH TWO IN-LINE CENTRALIZERS
ESTIMATED TOP OF CEMENT AT 2,168ft

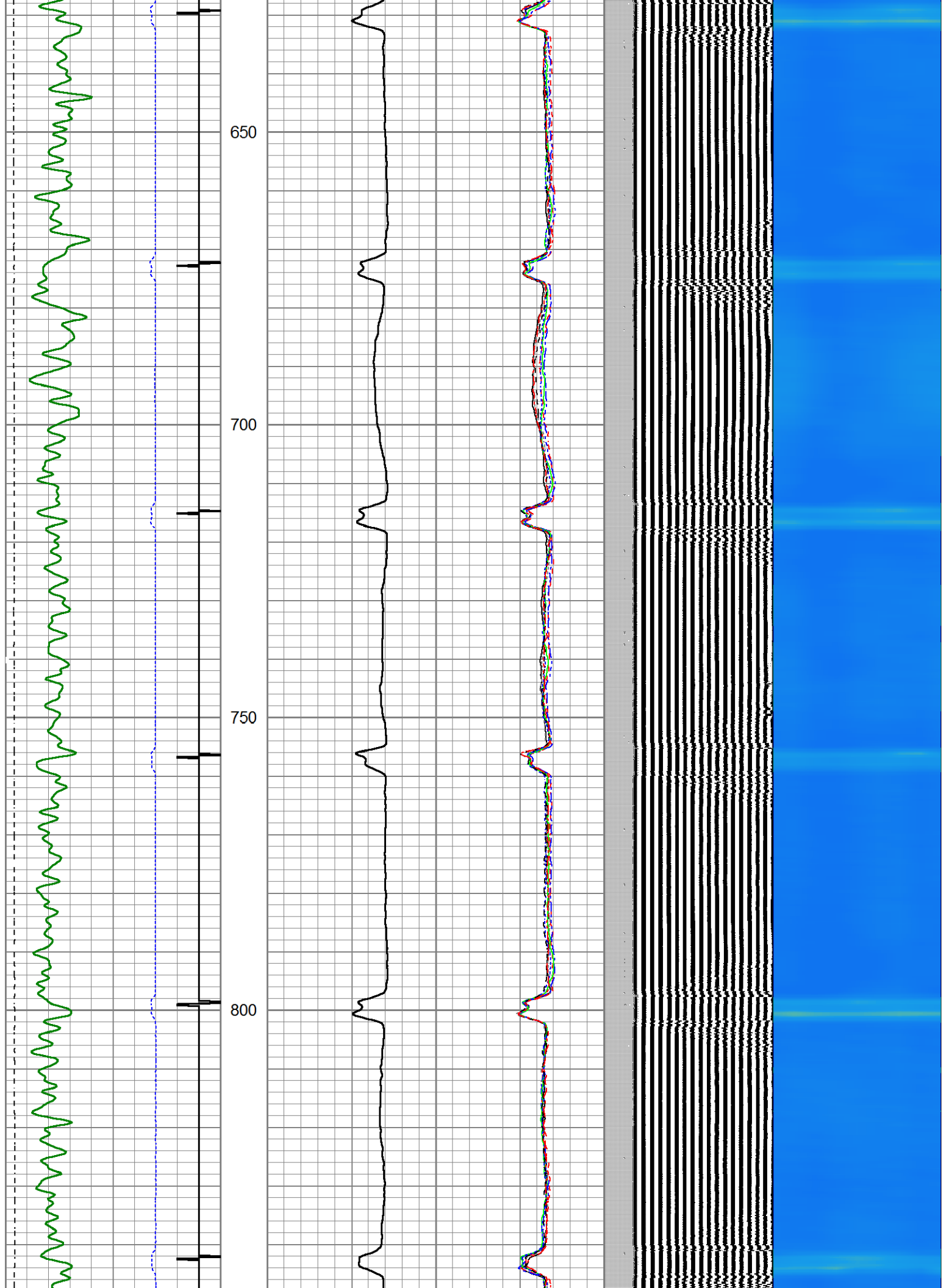


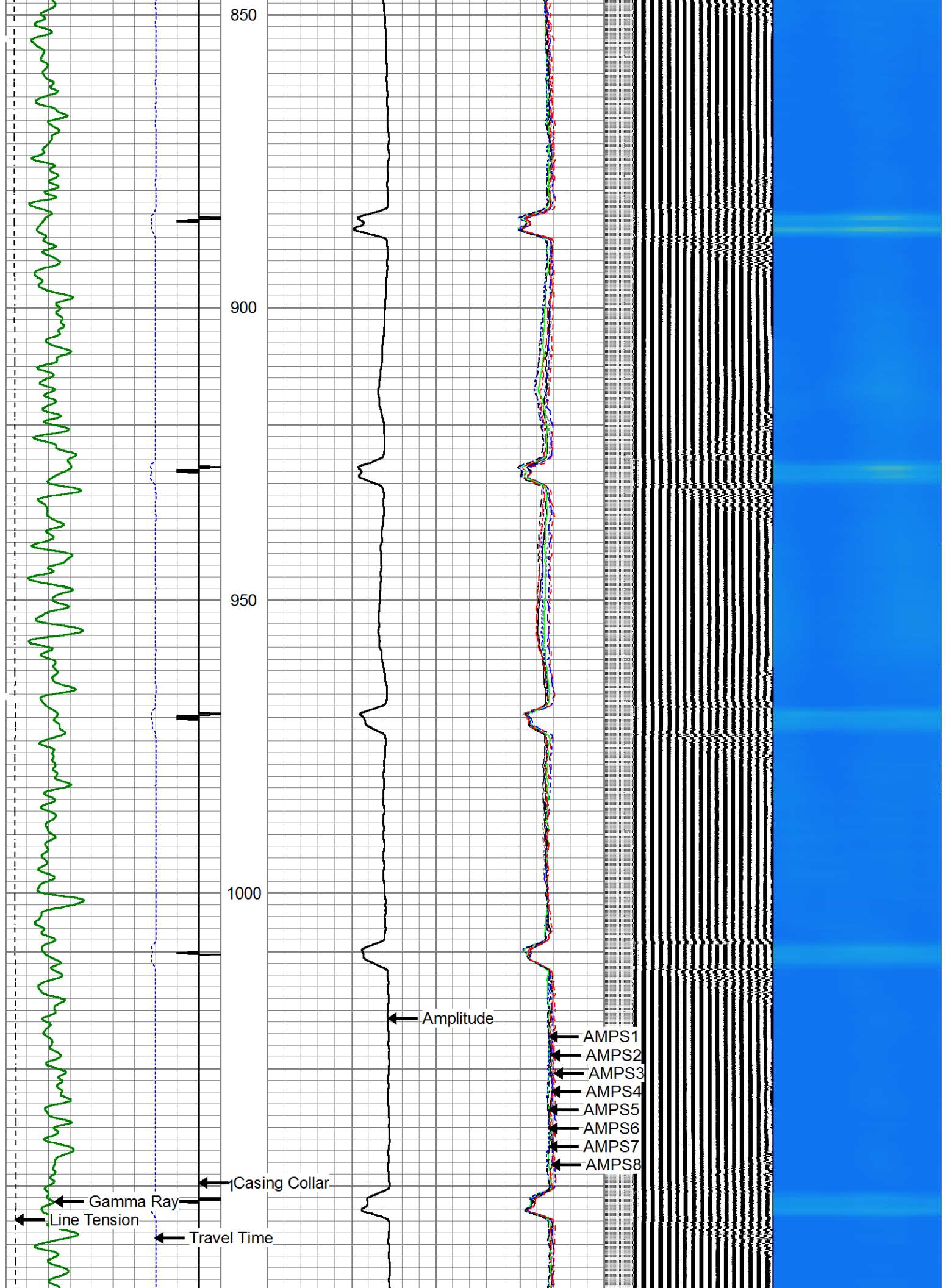
400	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density		1	Cement Map	8
9	Casing Collar	-1	Amplified Amplitude			-5	AMPS2	150	200	1200	0	100	
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	AMPS3	150					
Line Tension (lb)		5000				-5	AMPS4	150					
						-5	AMPS5	150					
						-5	AMPS6	150					
						-5	AMPS7	150					
						-5	AMPS8	150					

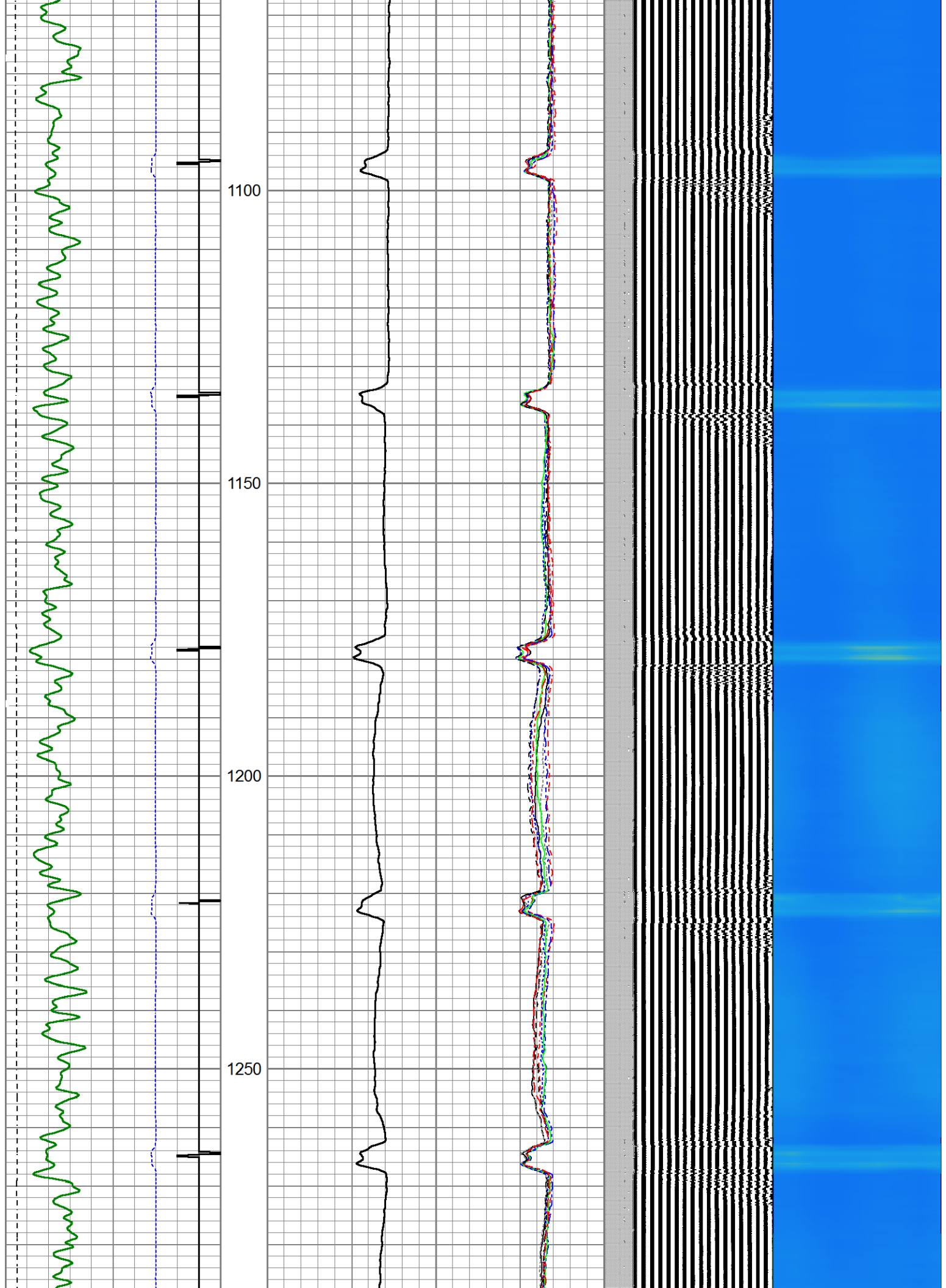


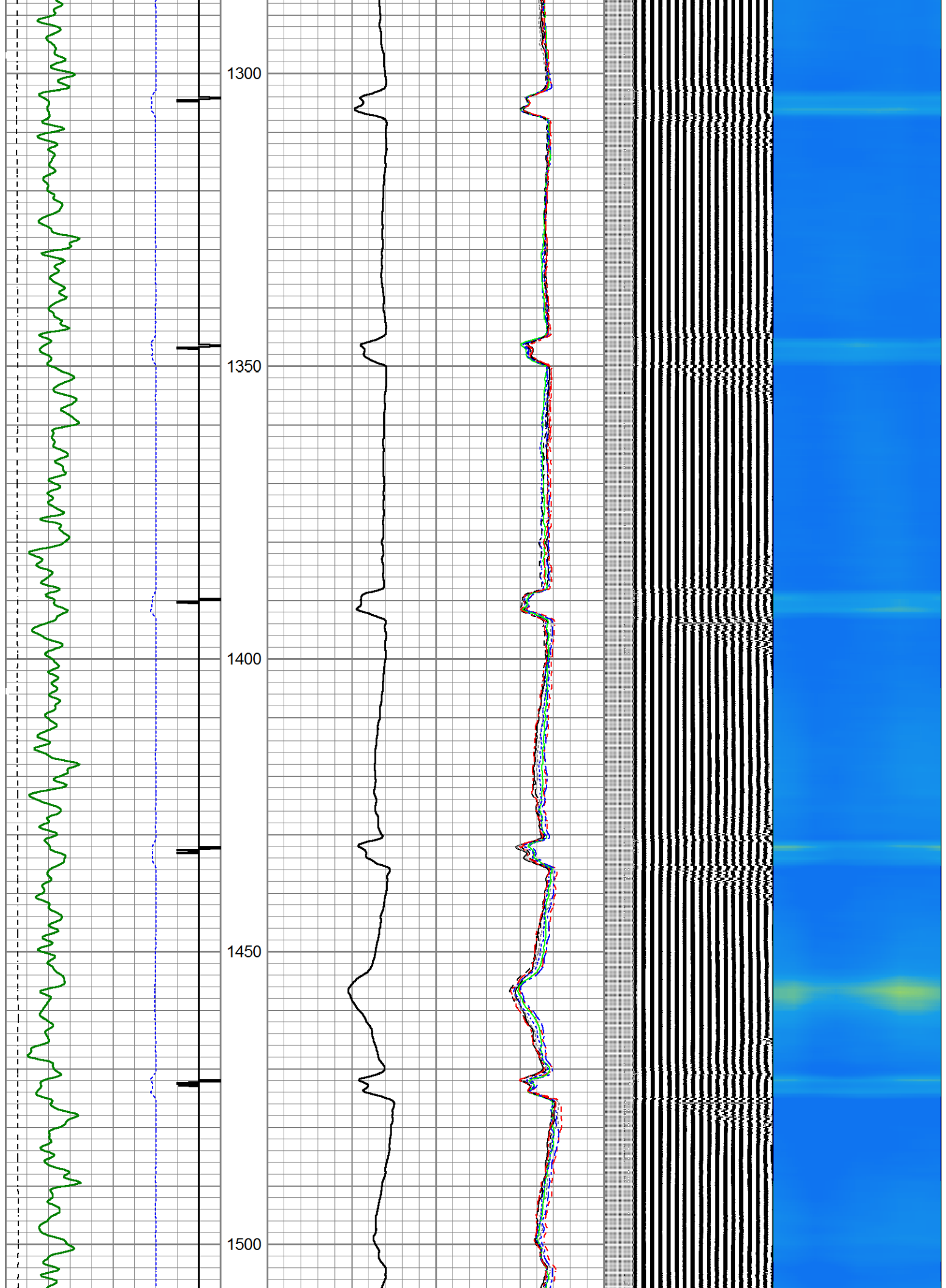


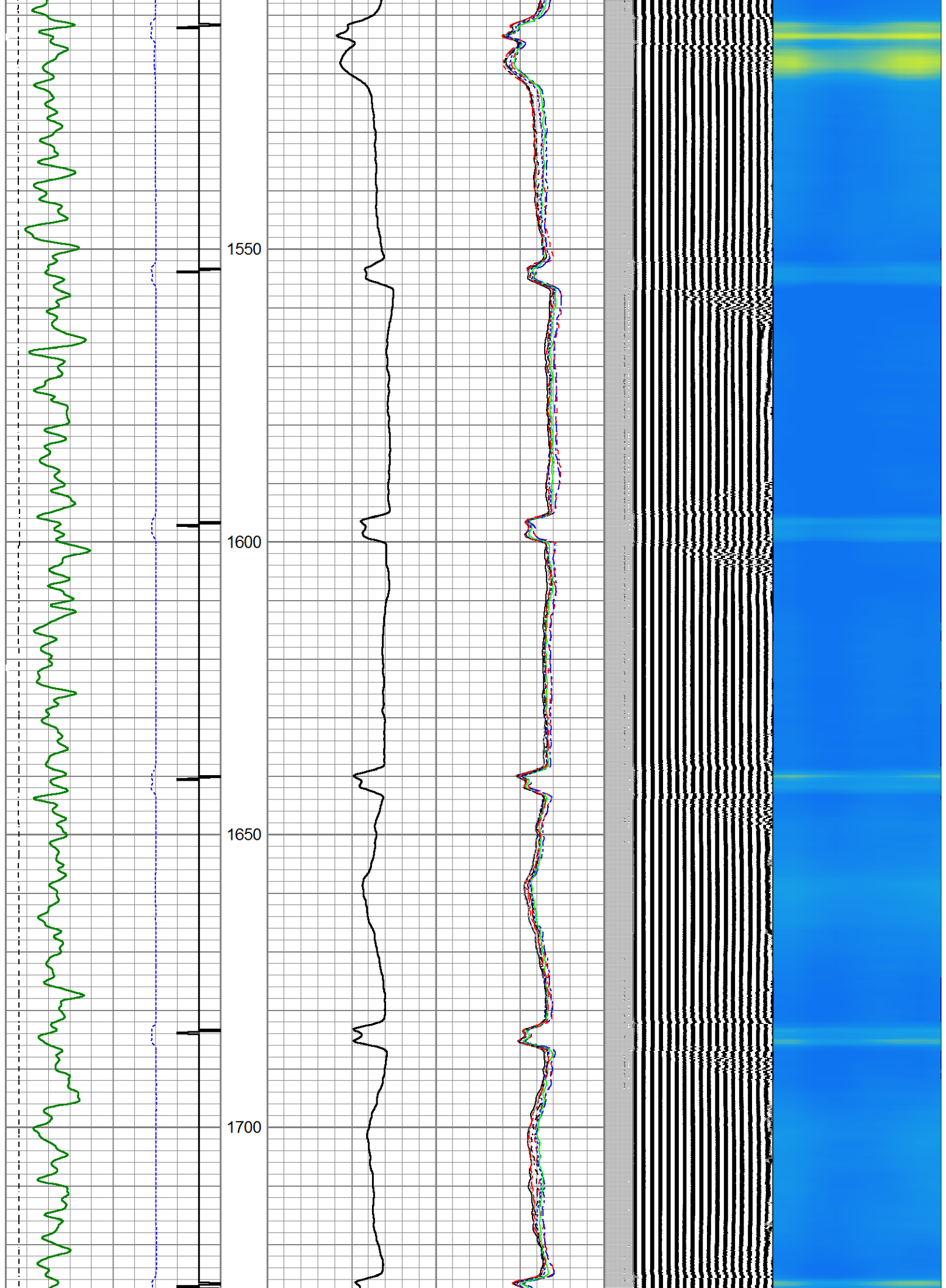


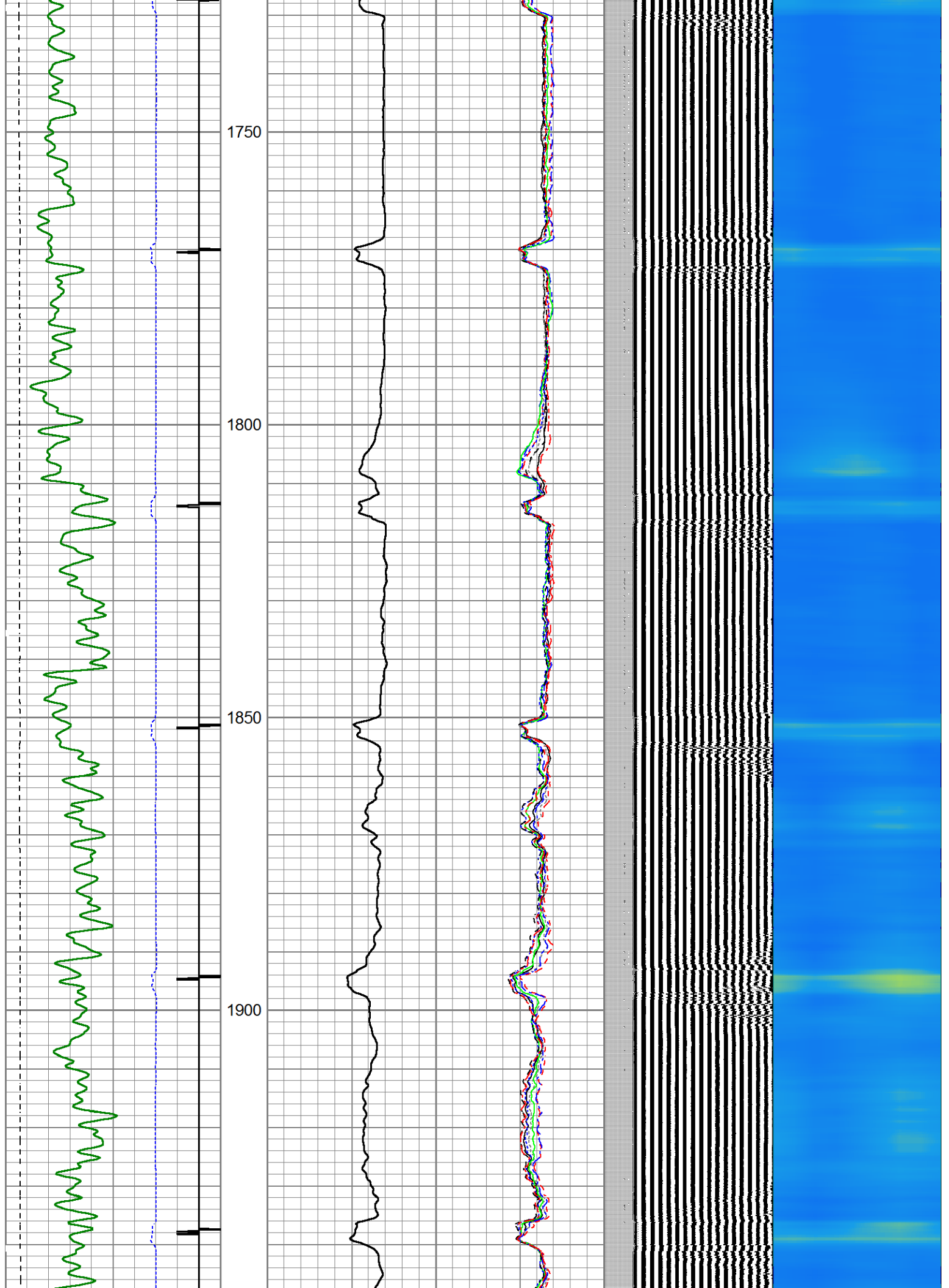


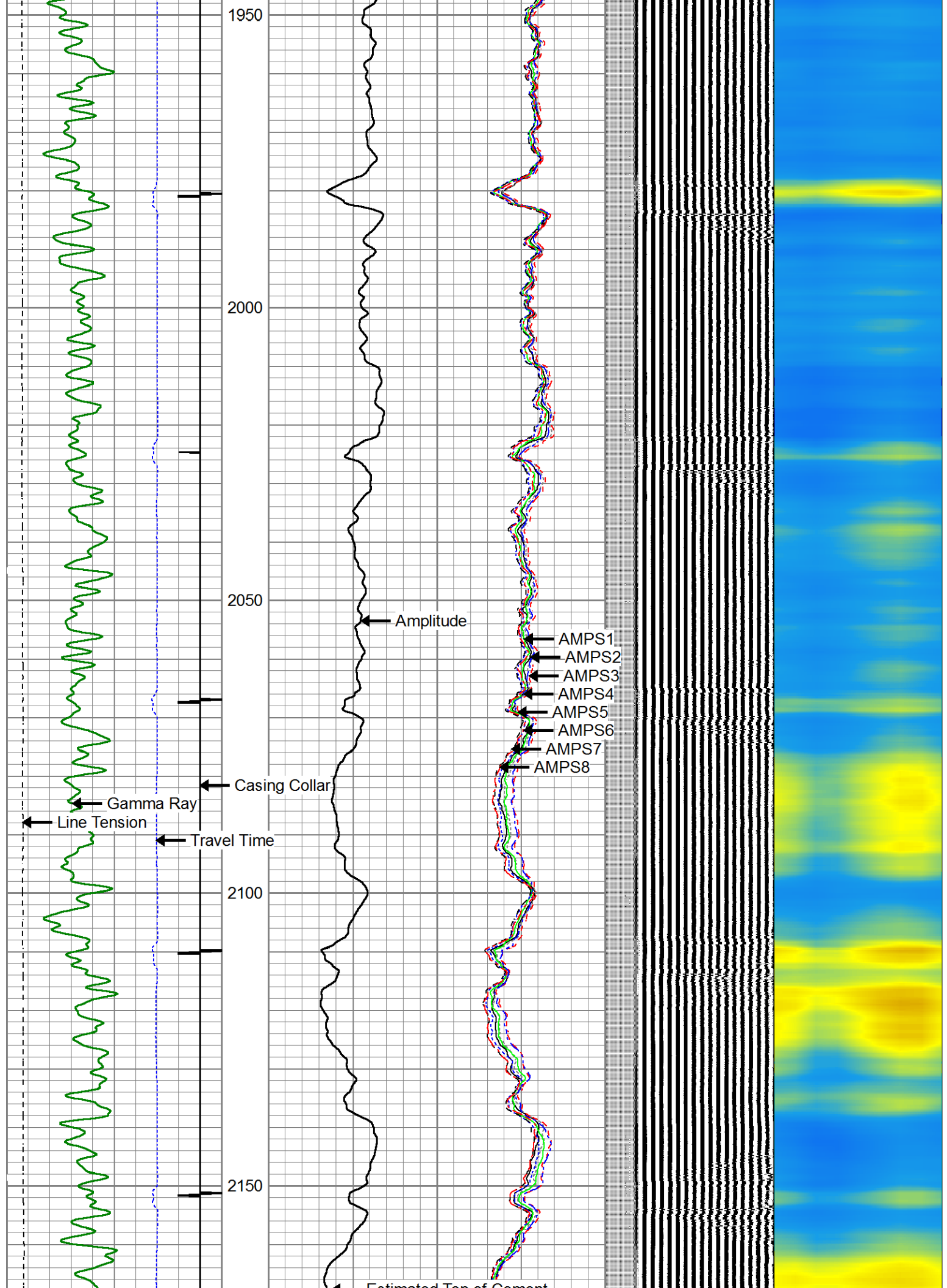


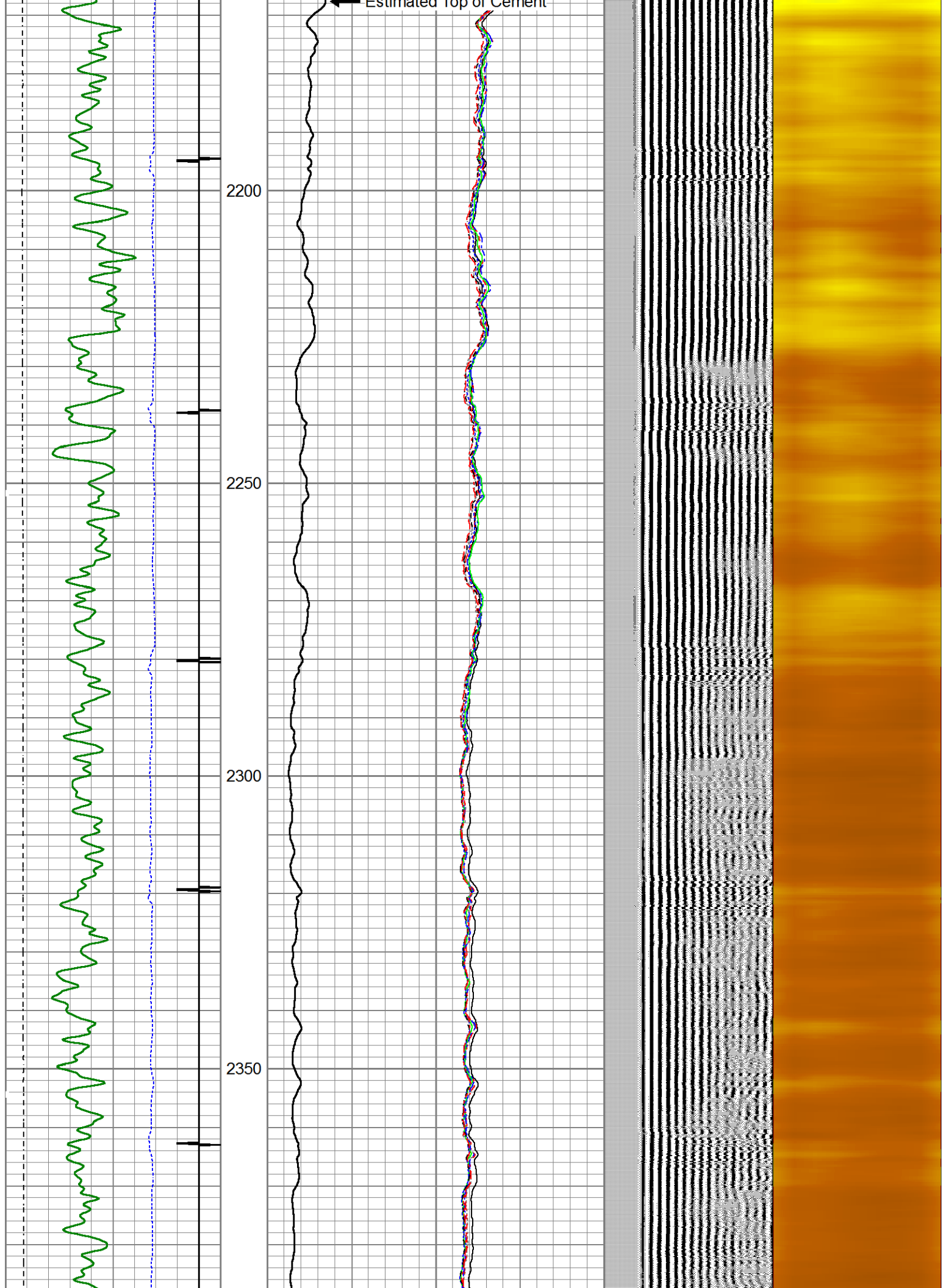


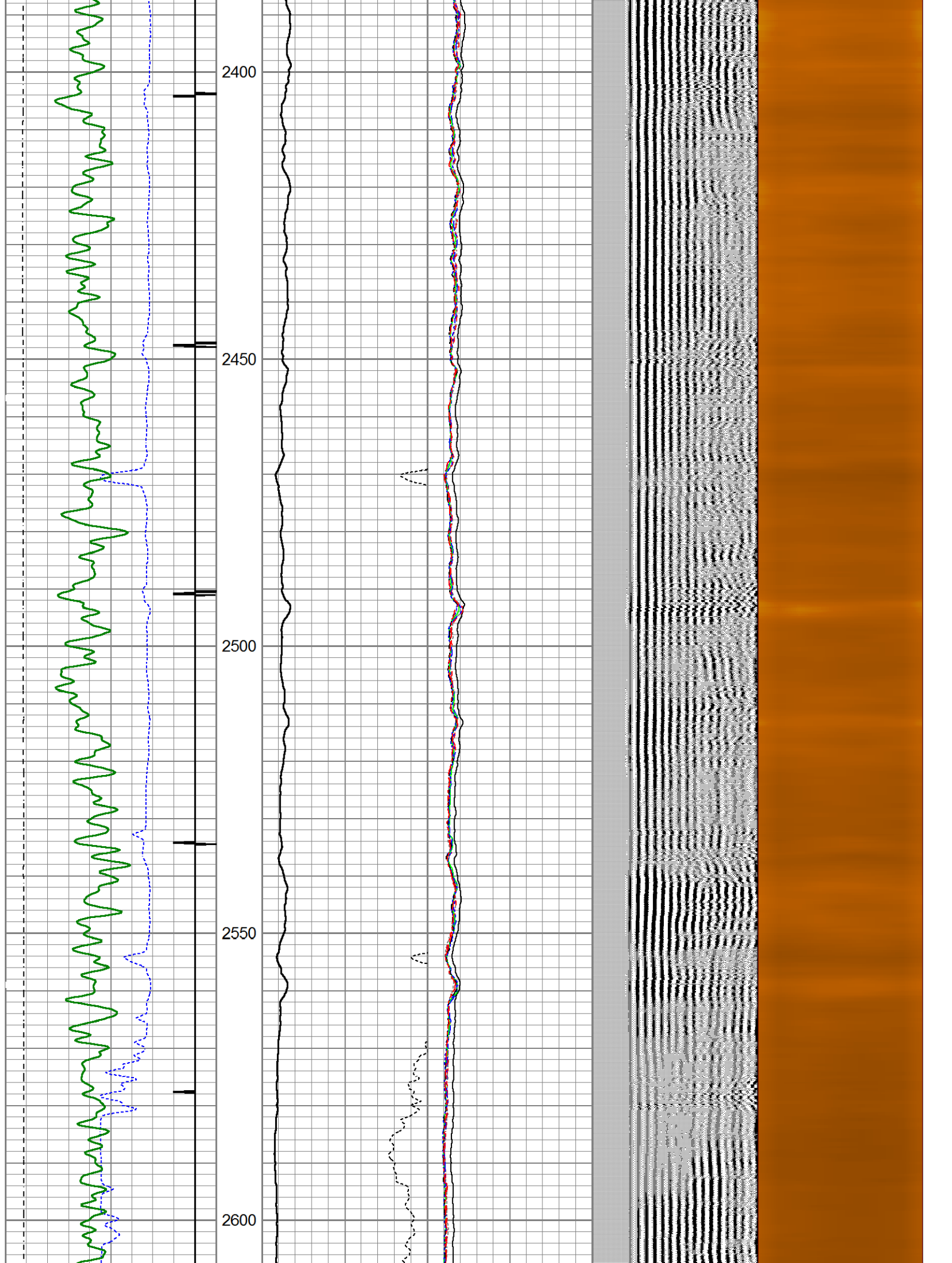


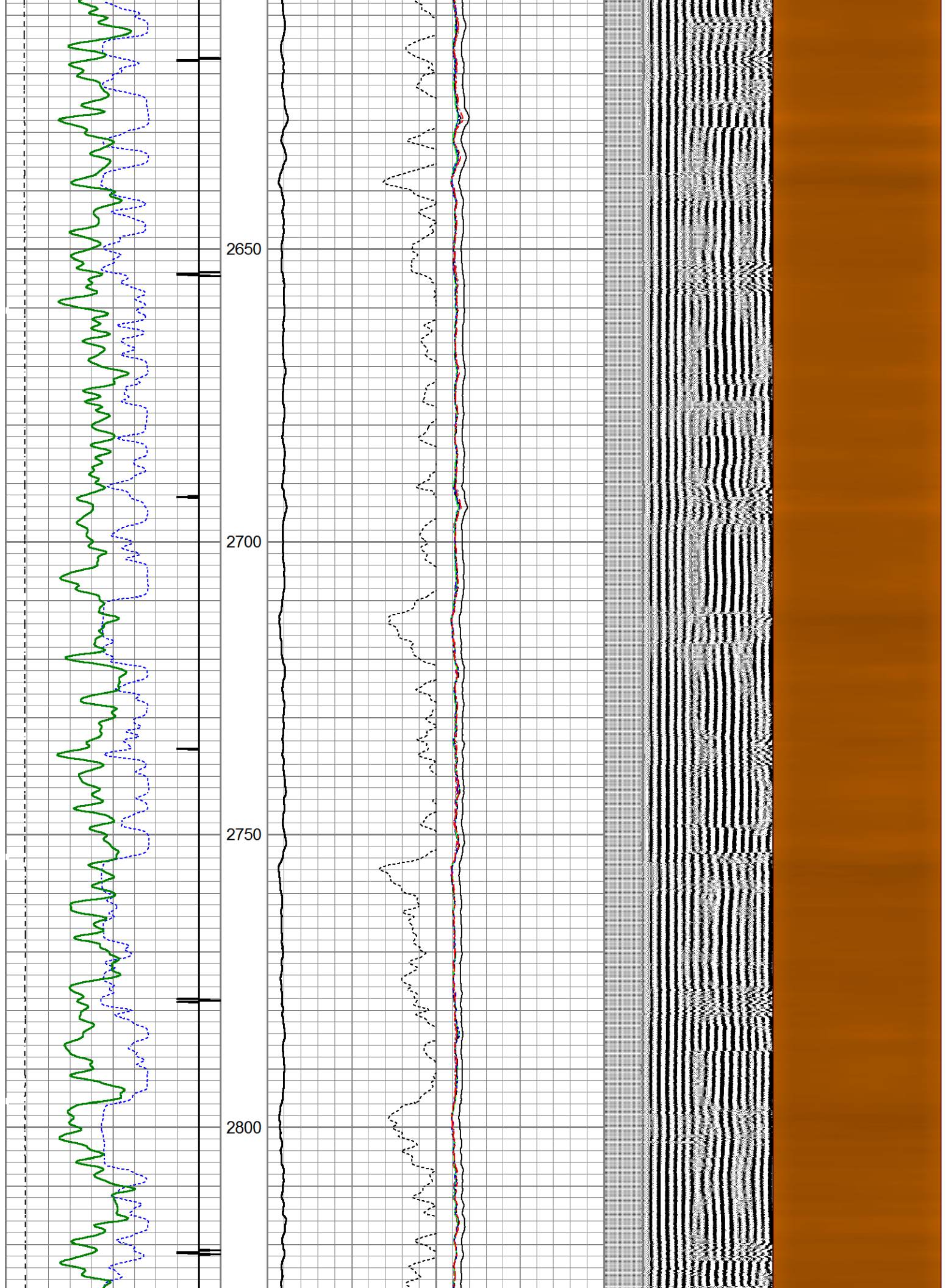


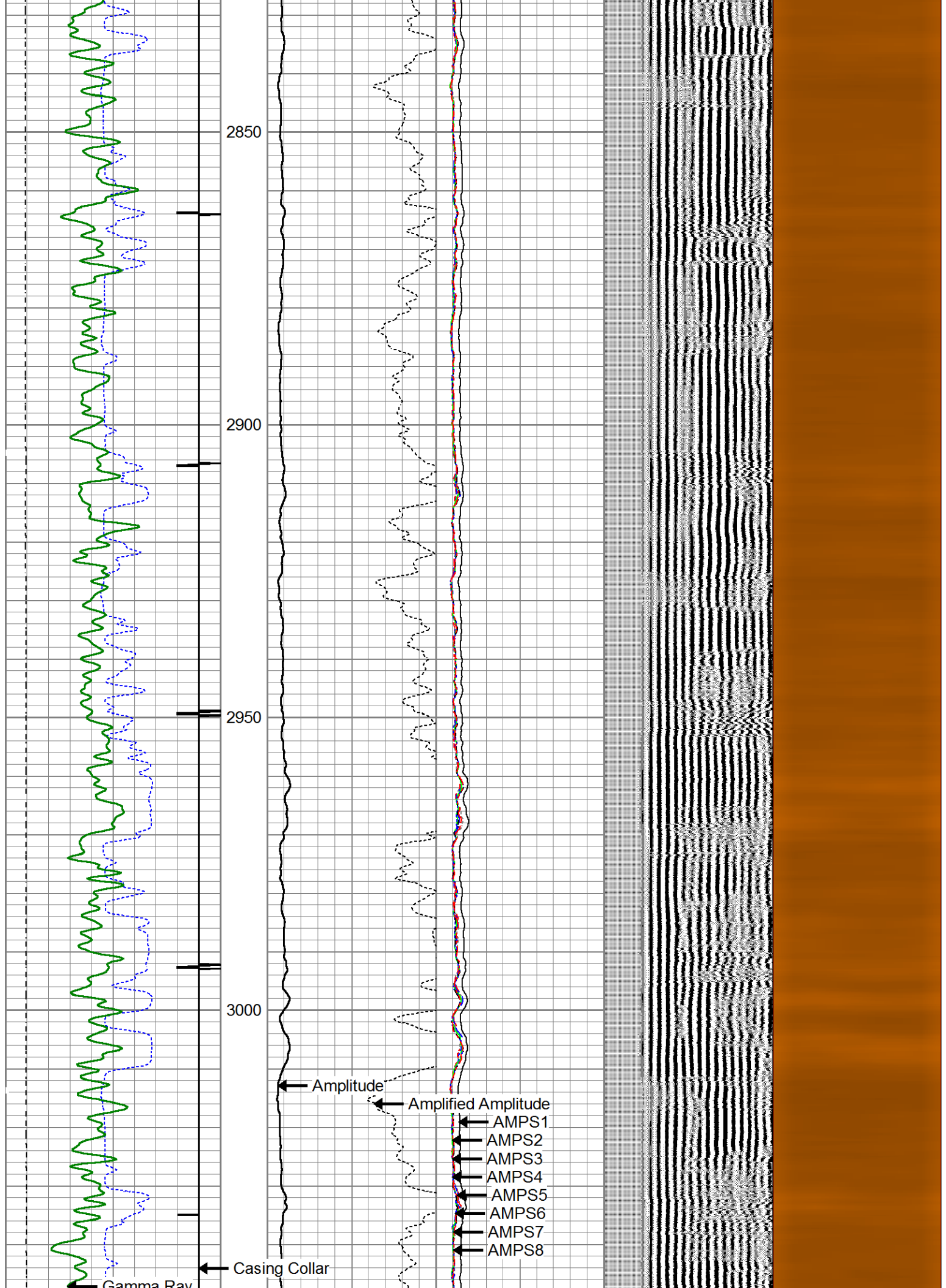


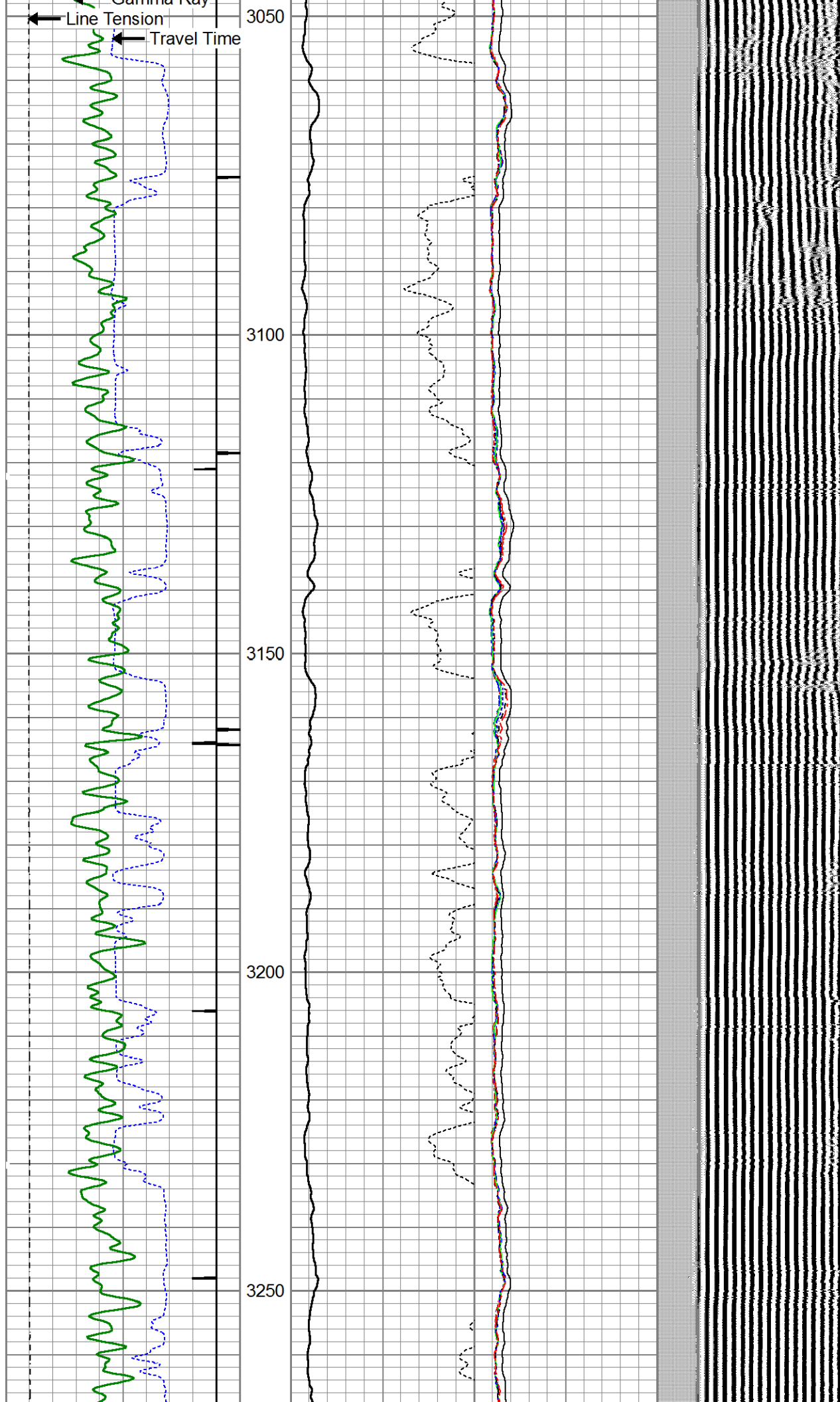


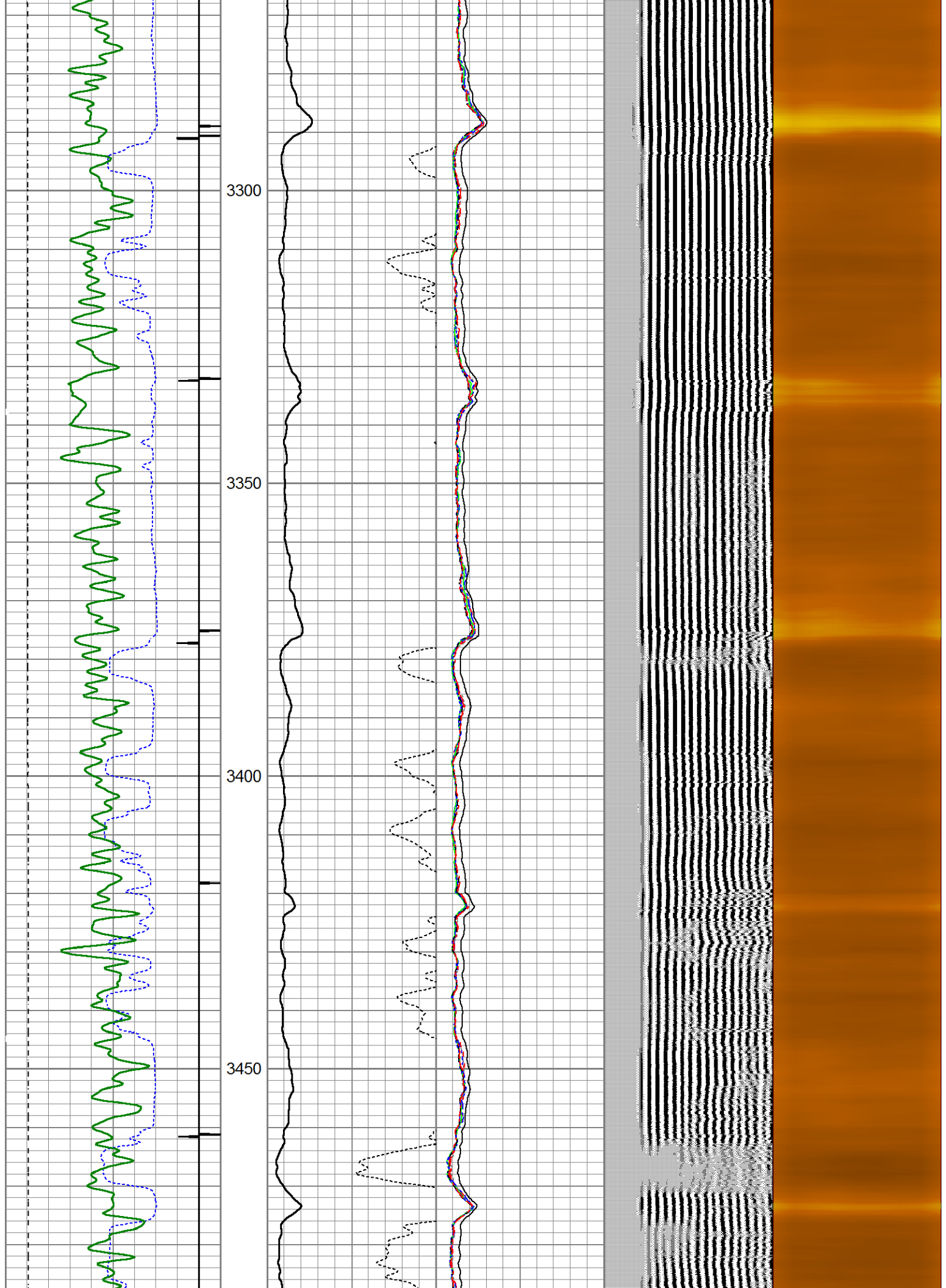


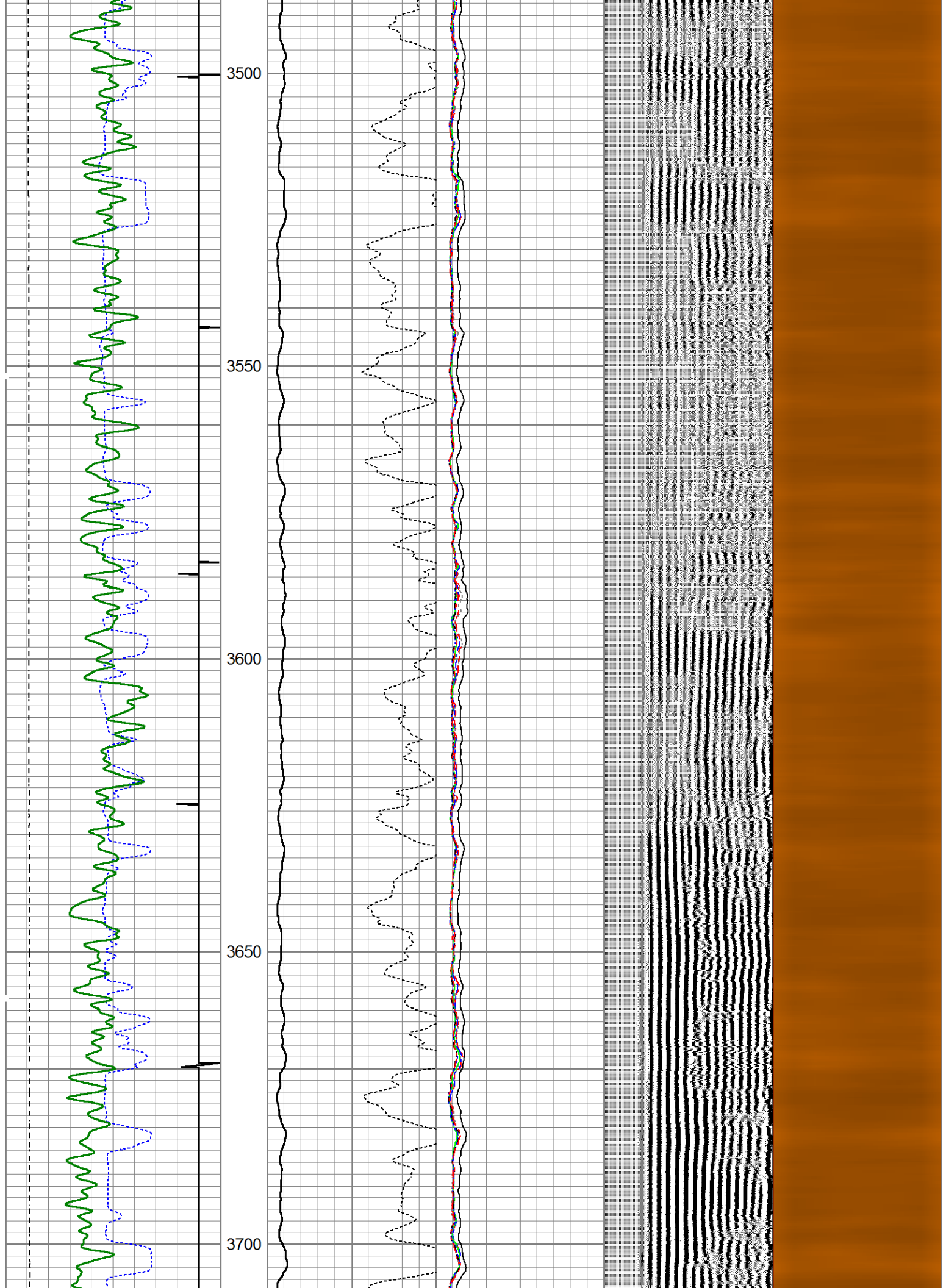


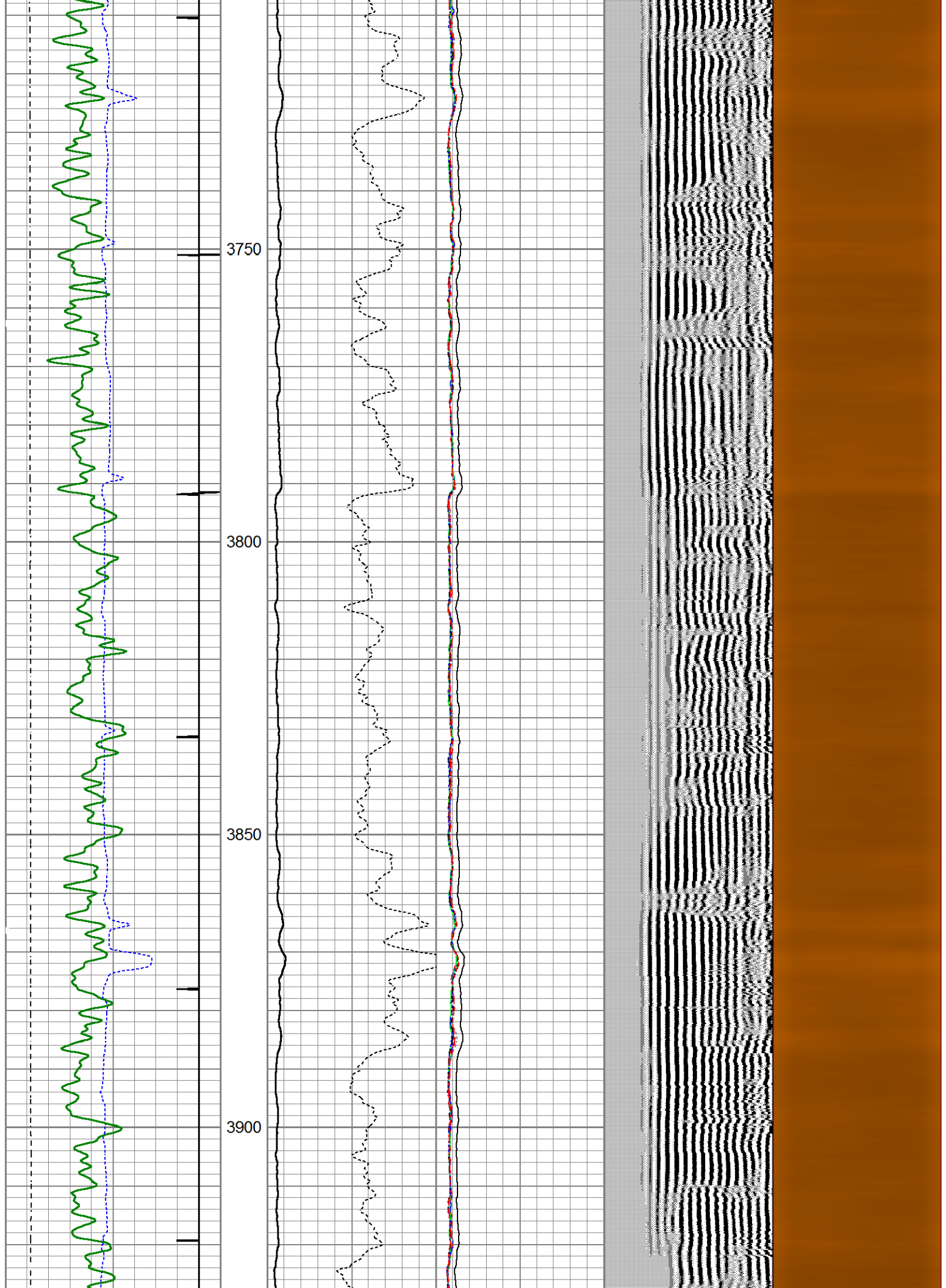


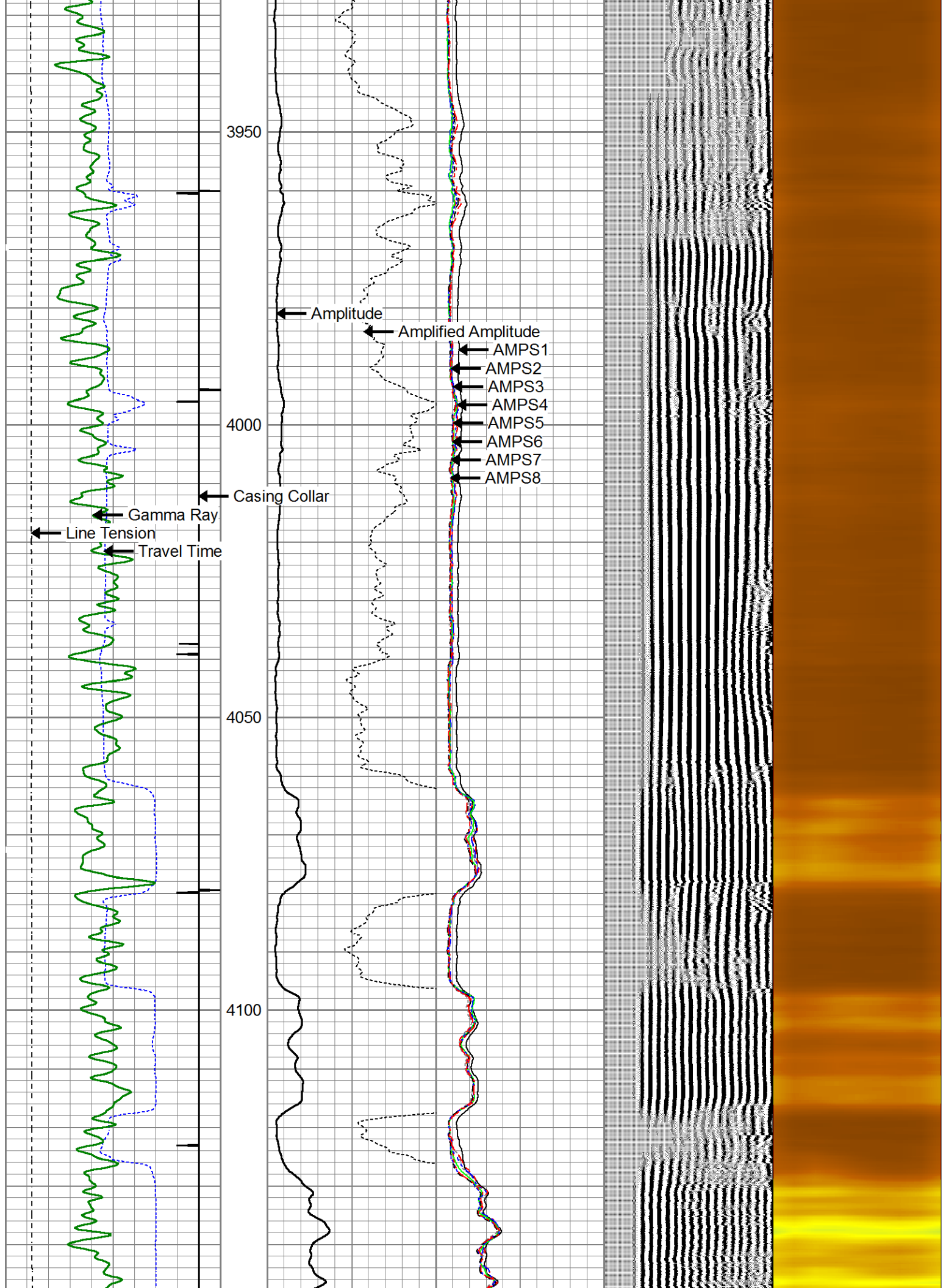


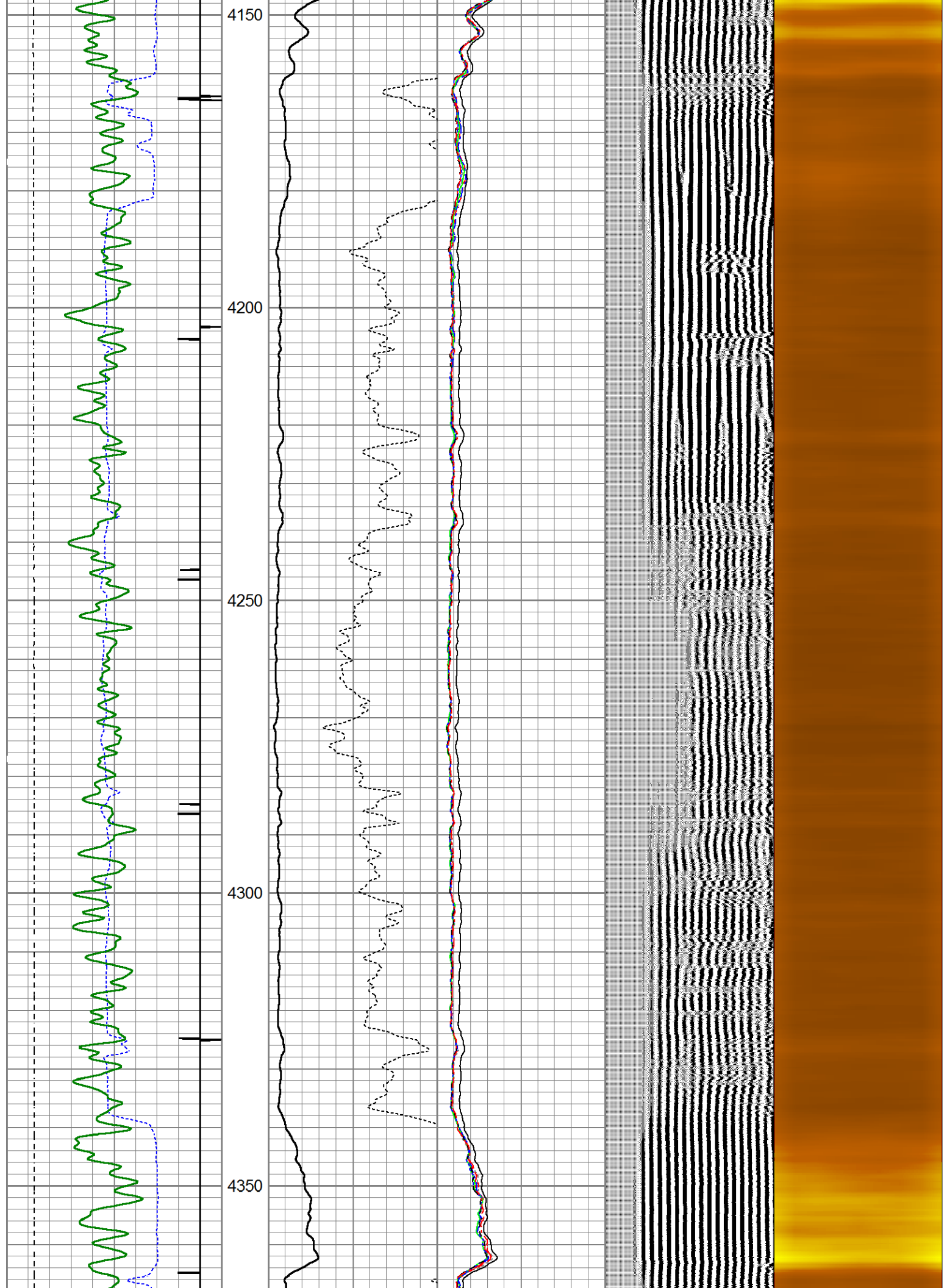


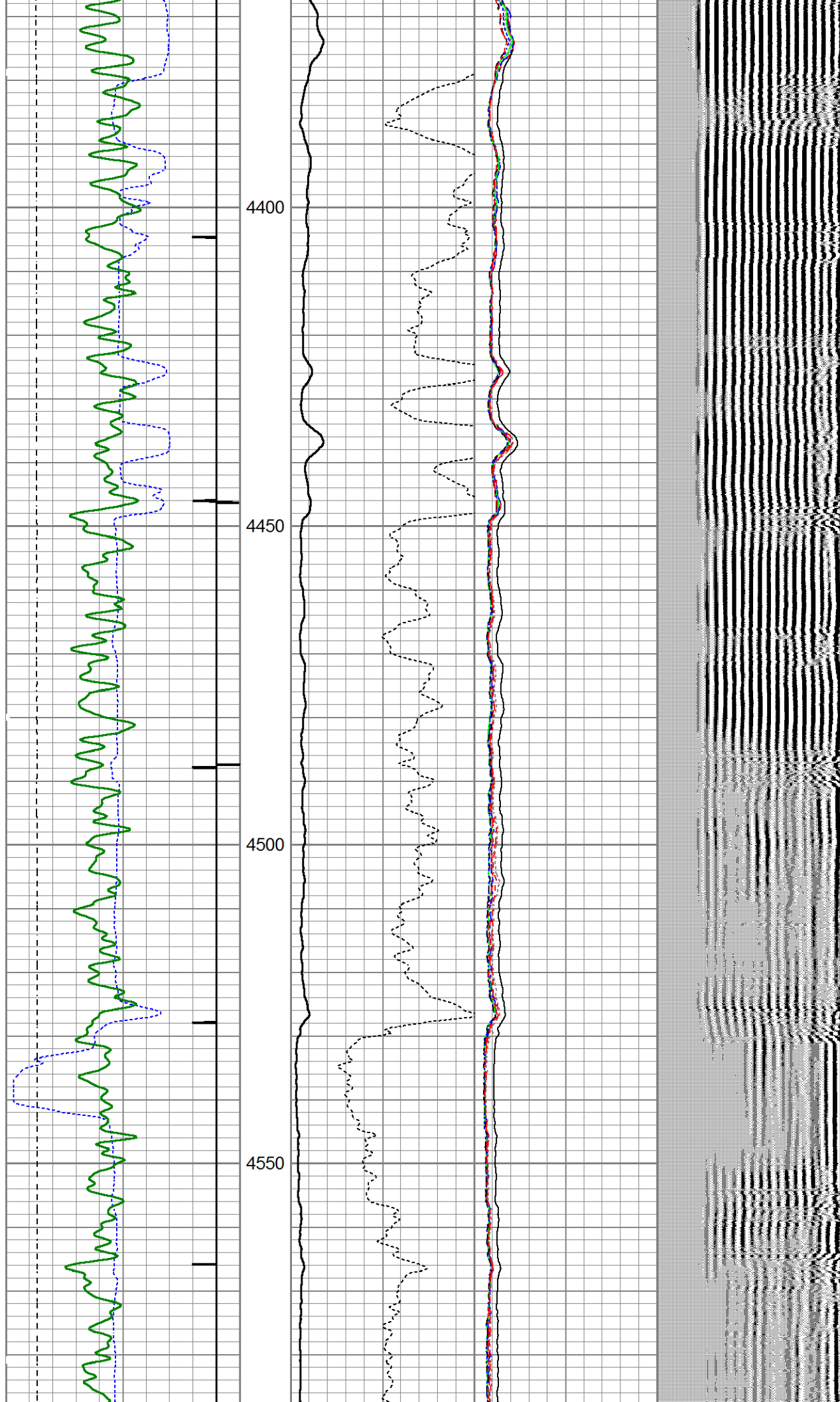


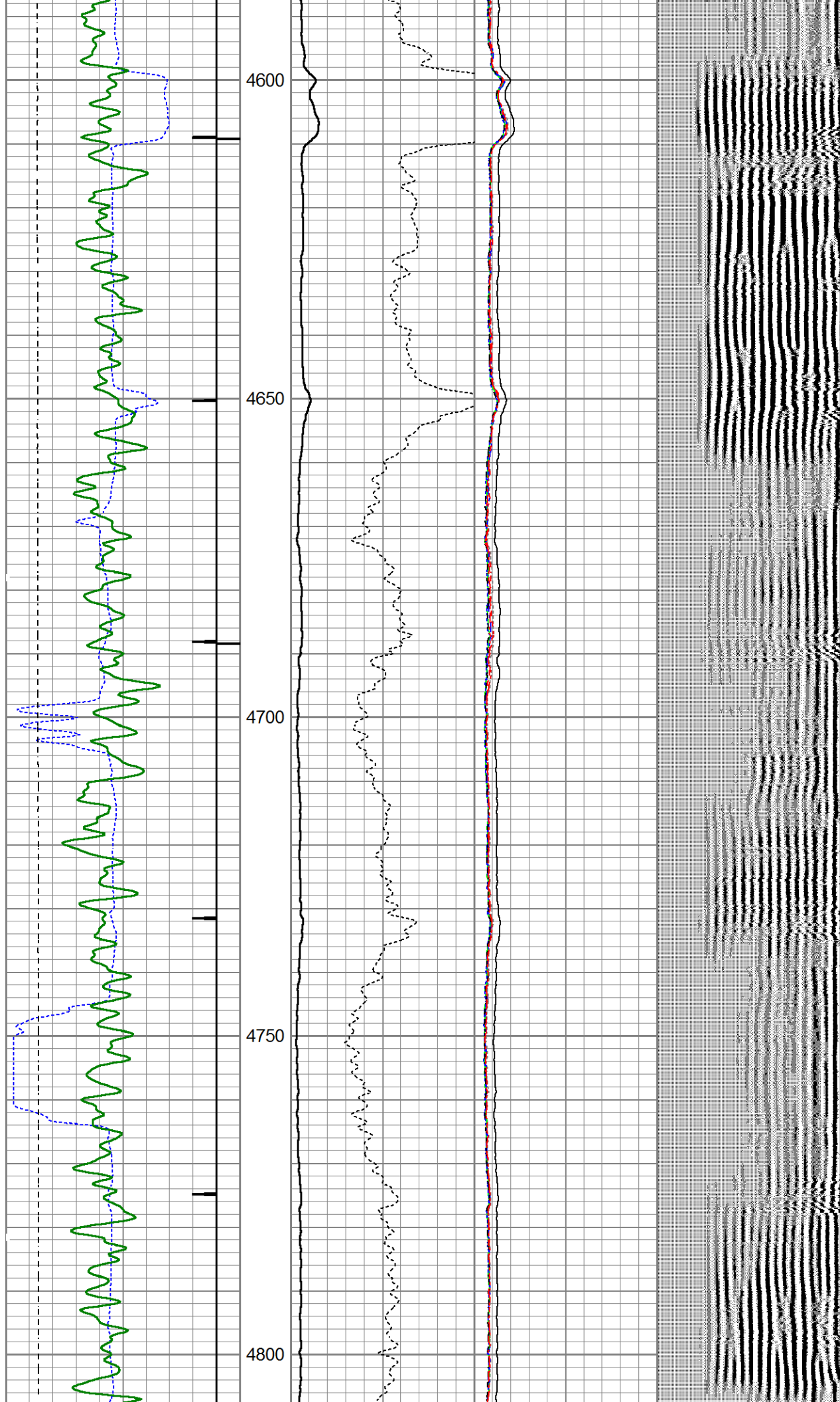


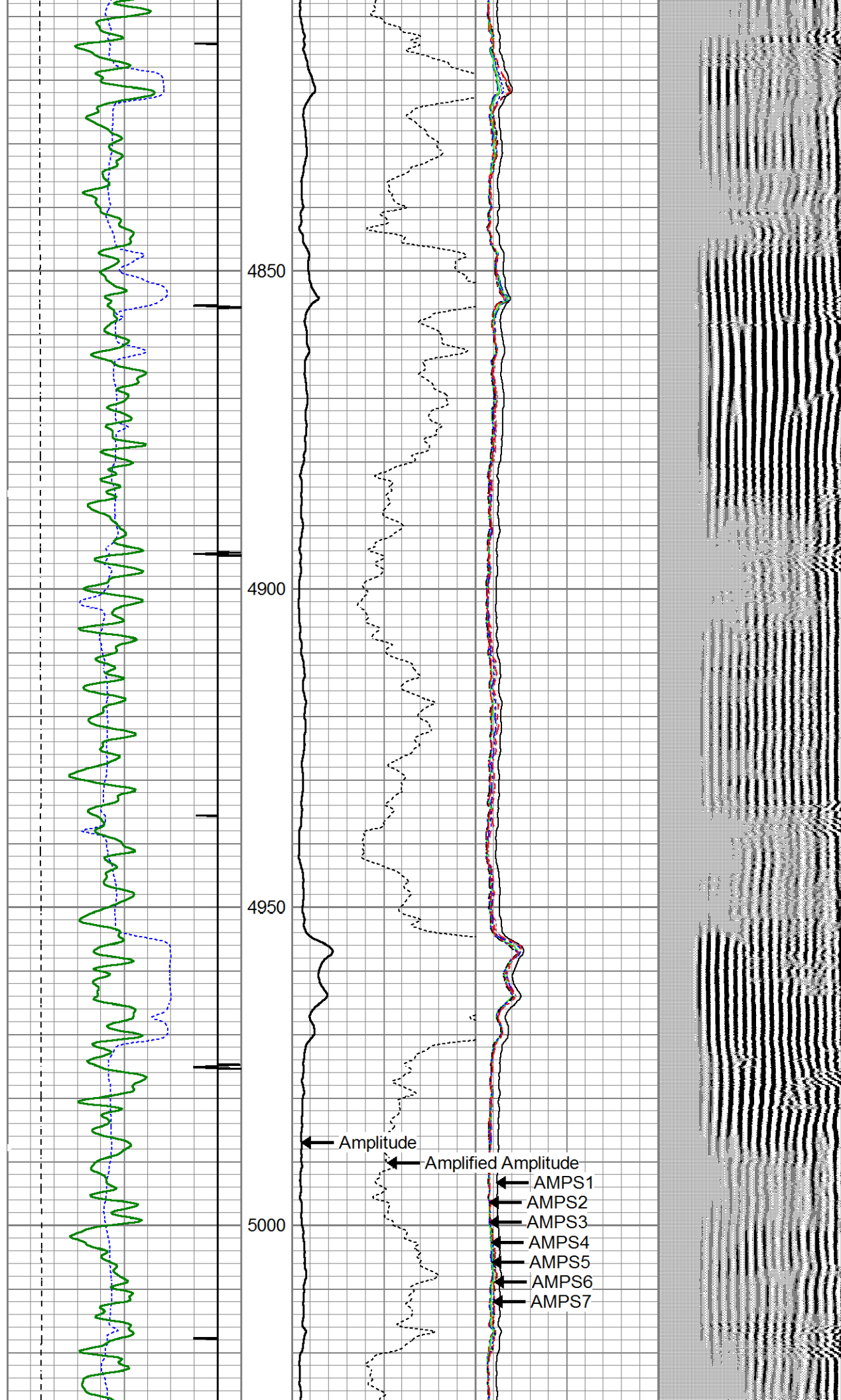


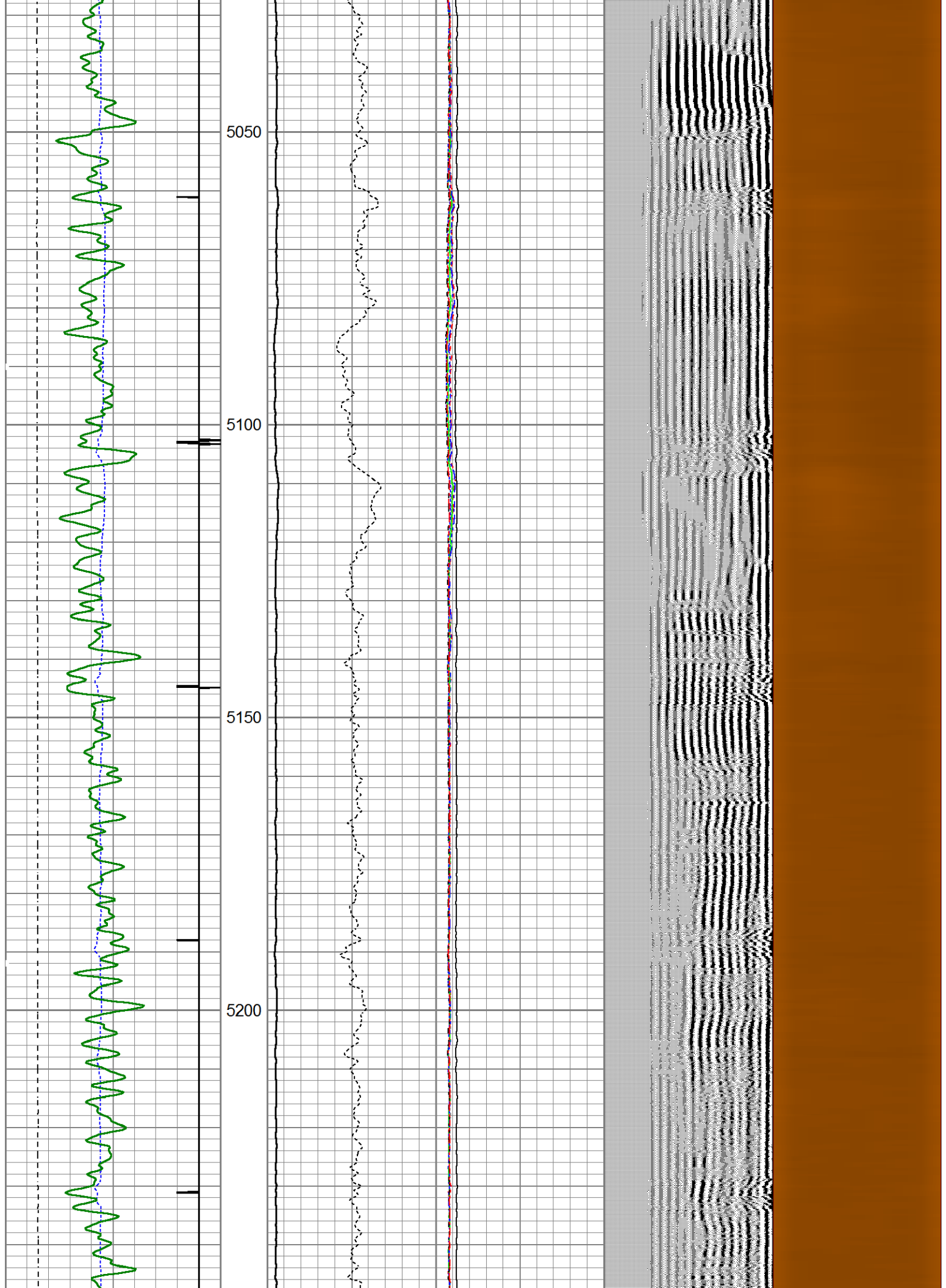


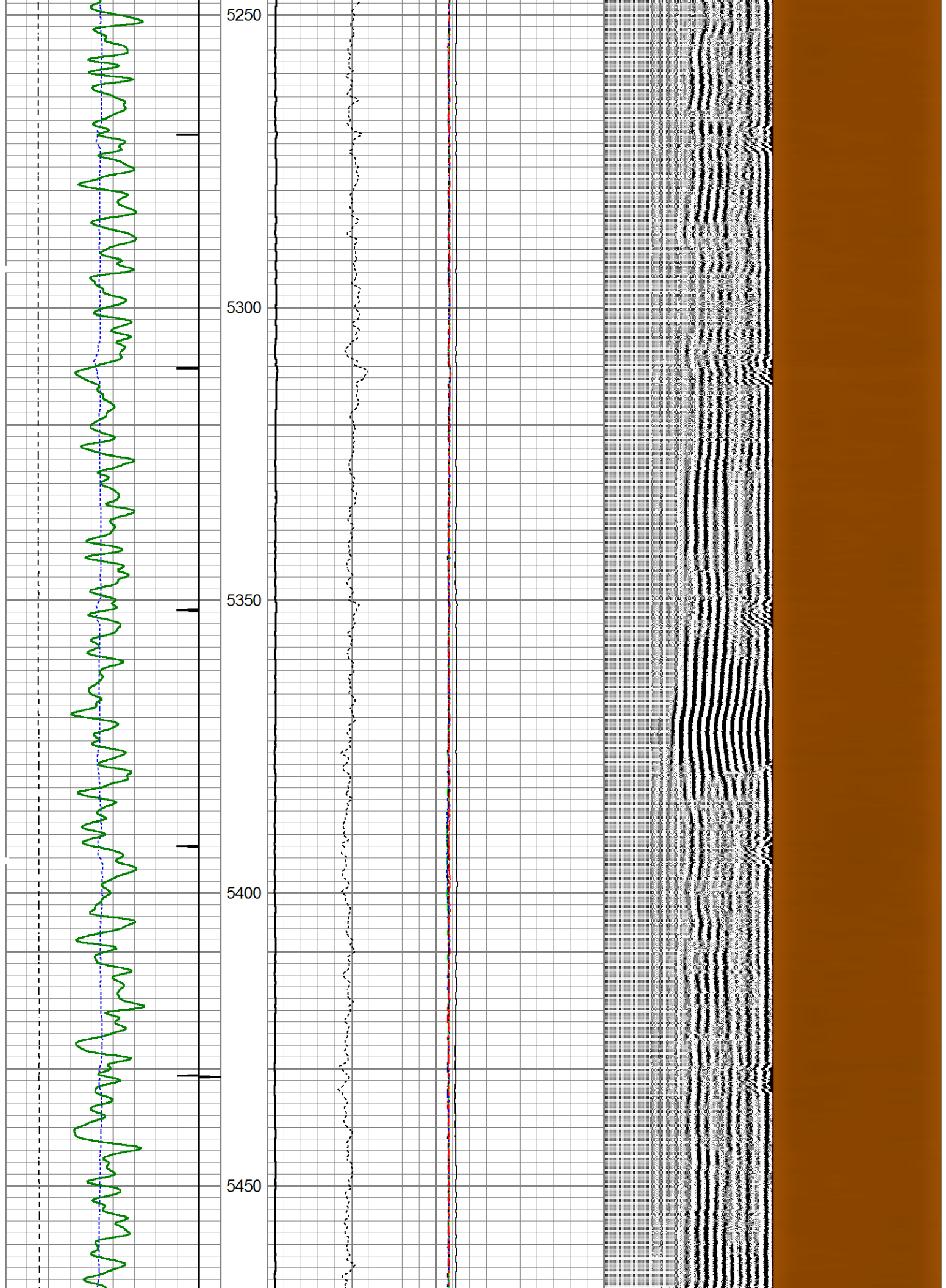


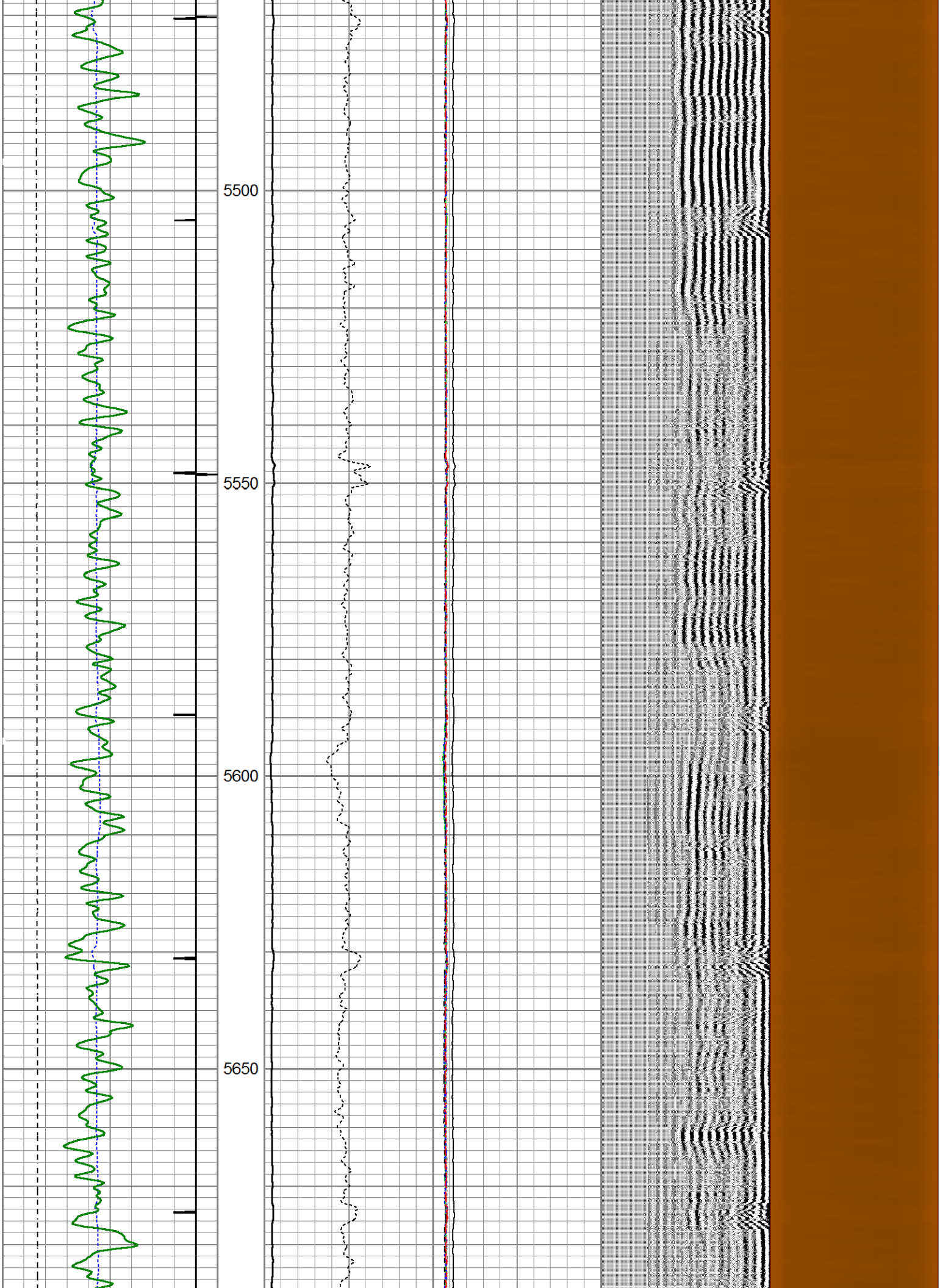


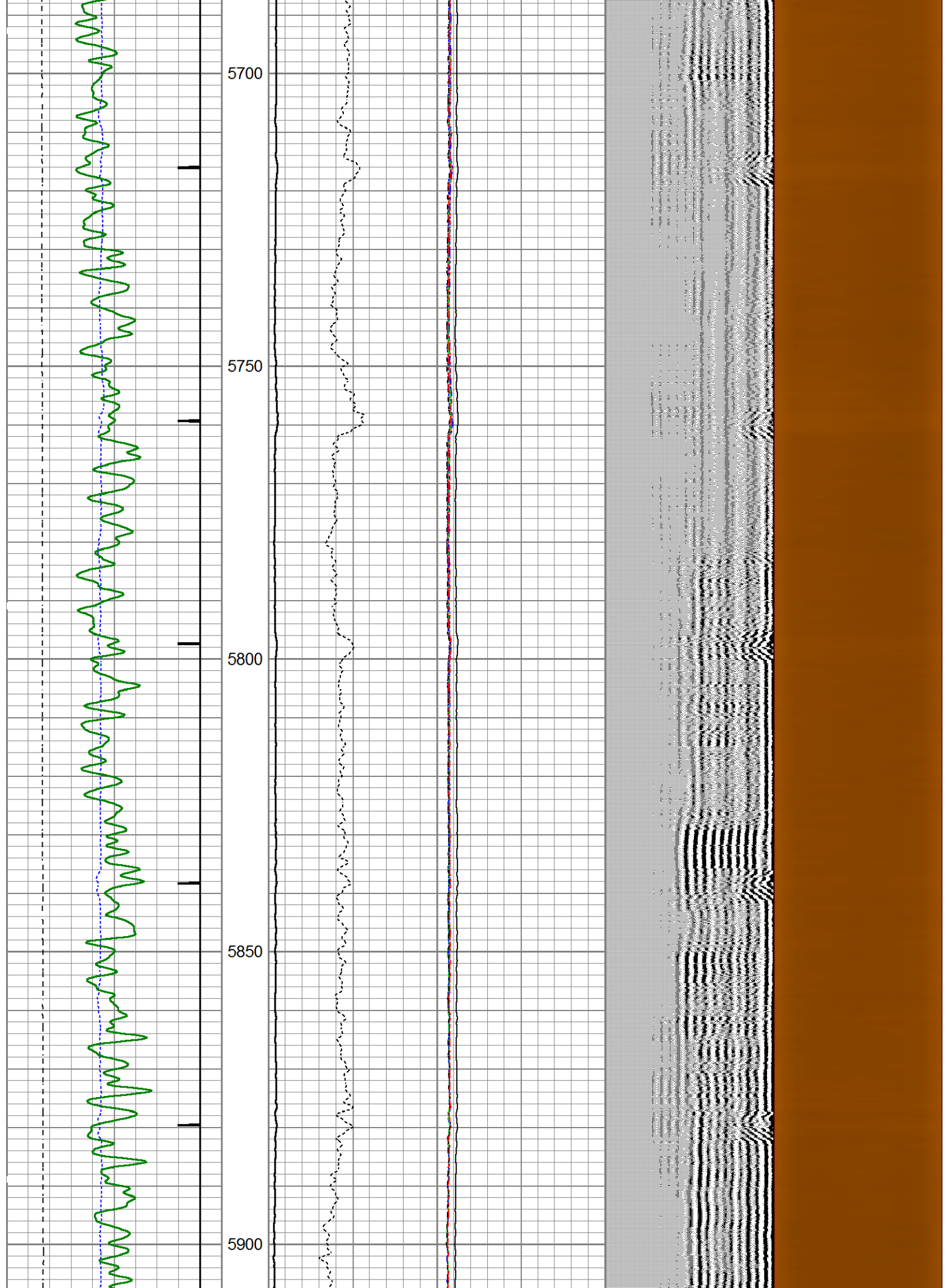


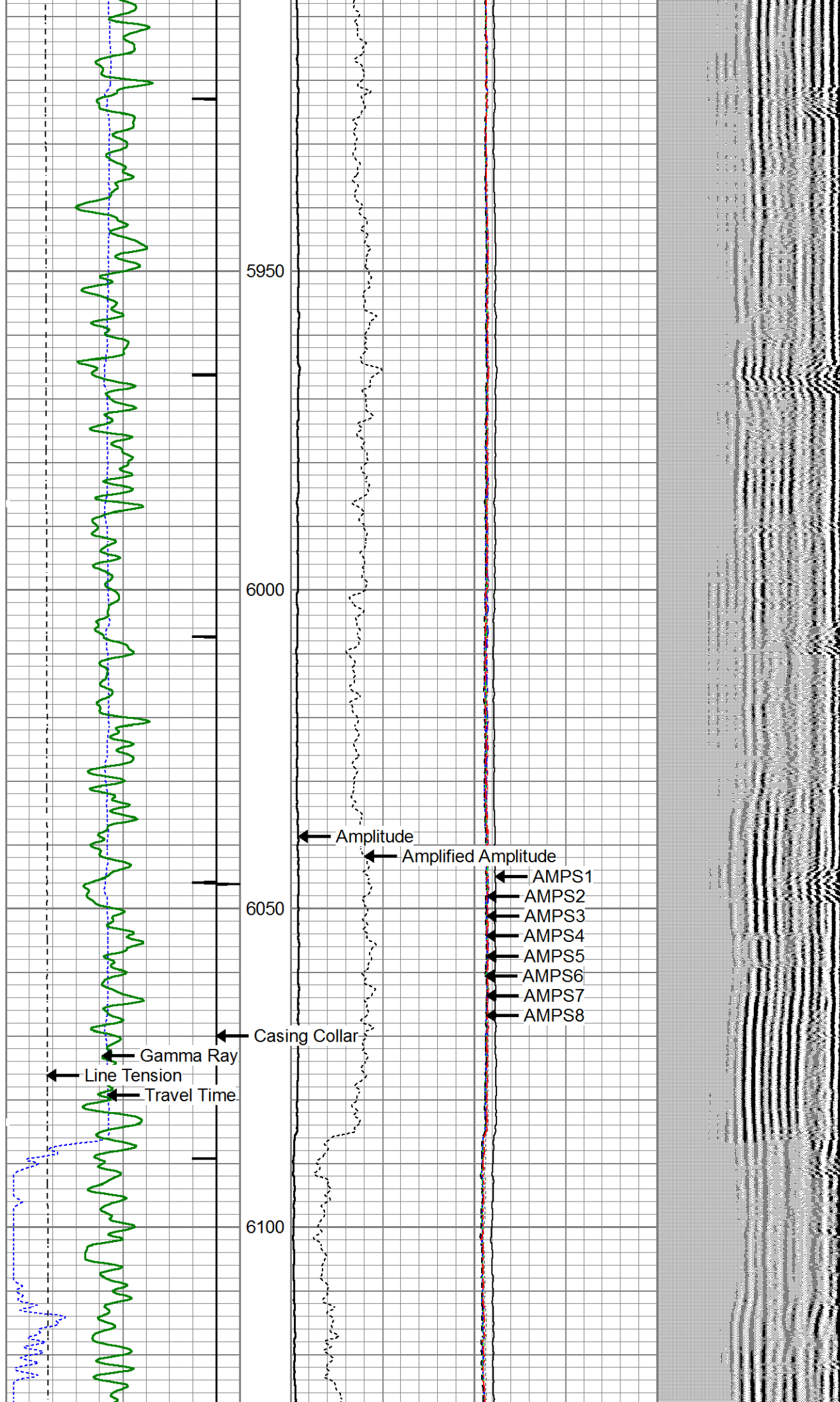


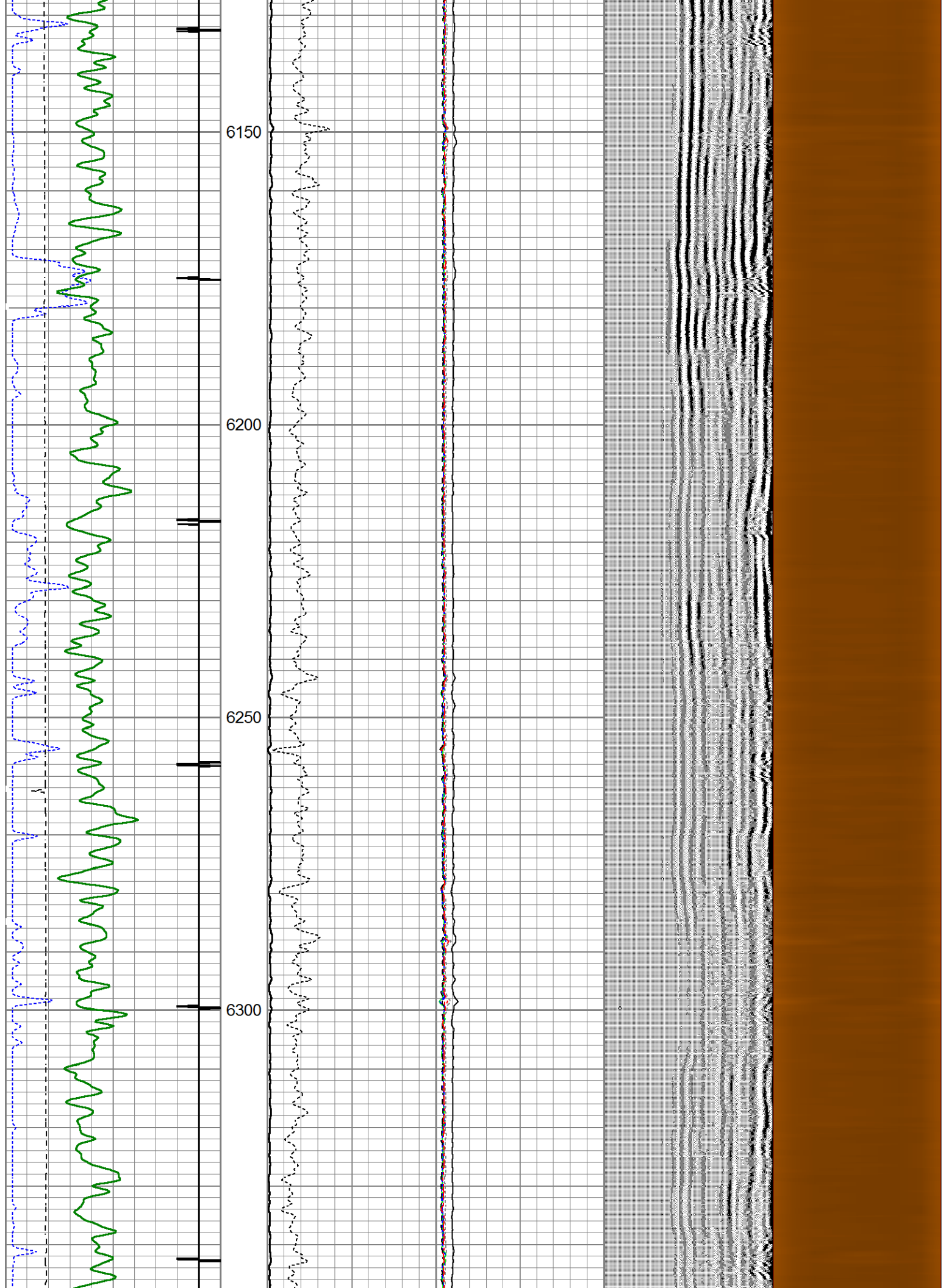


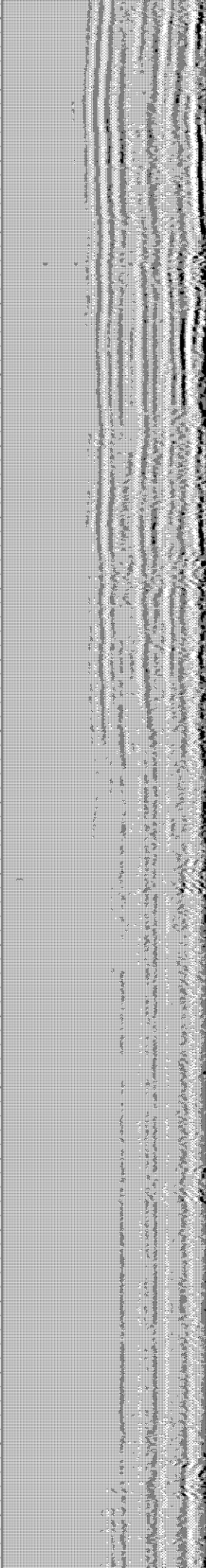
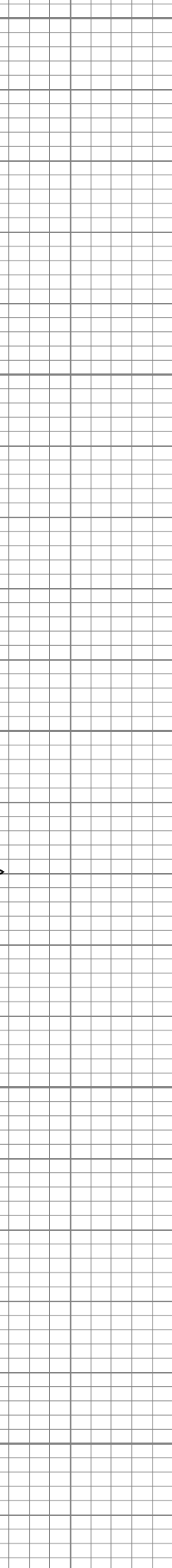
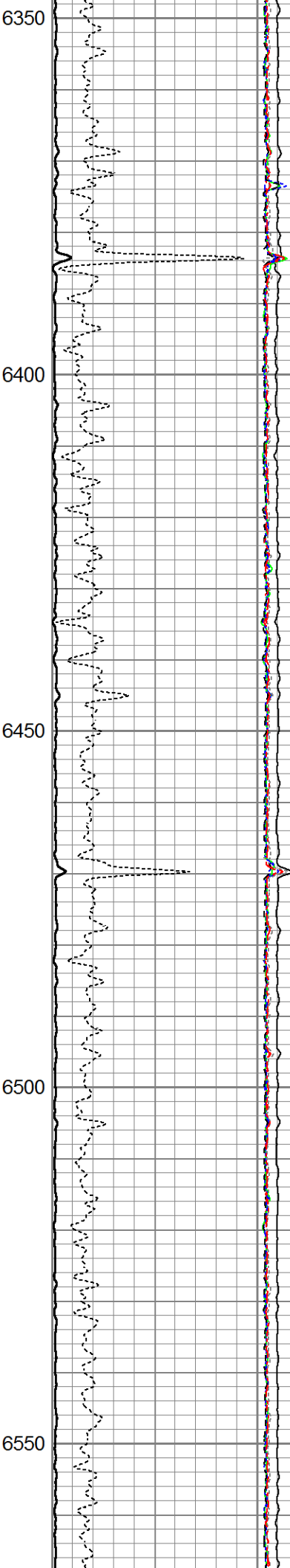
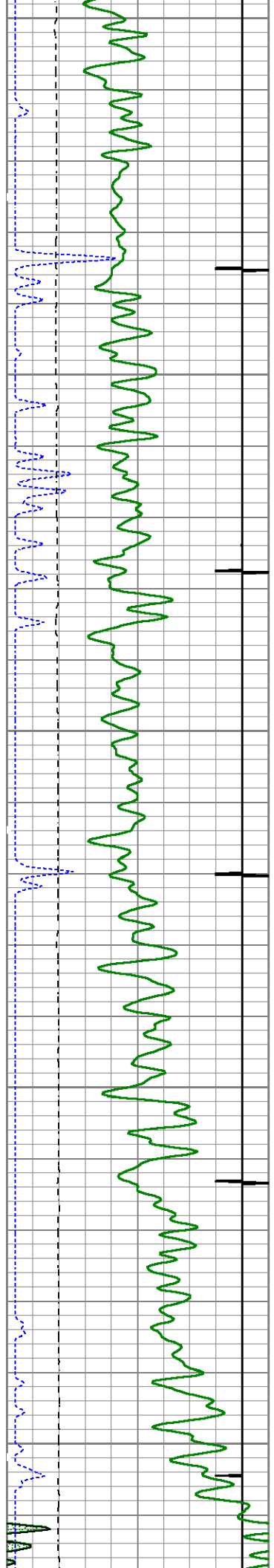


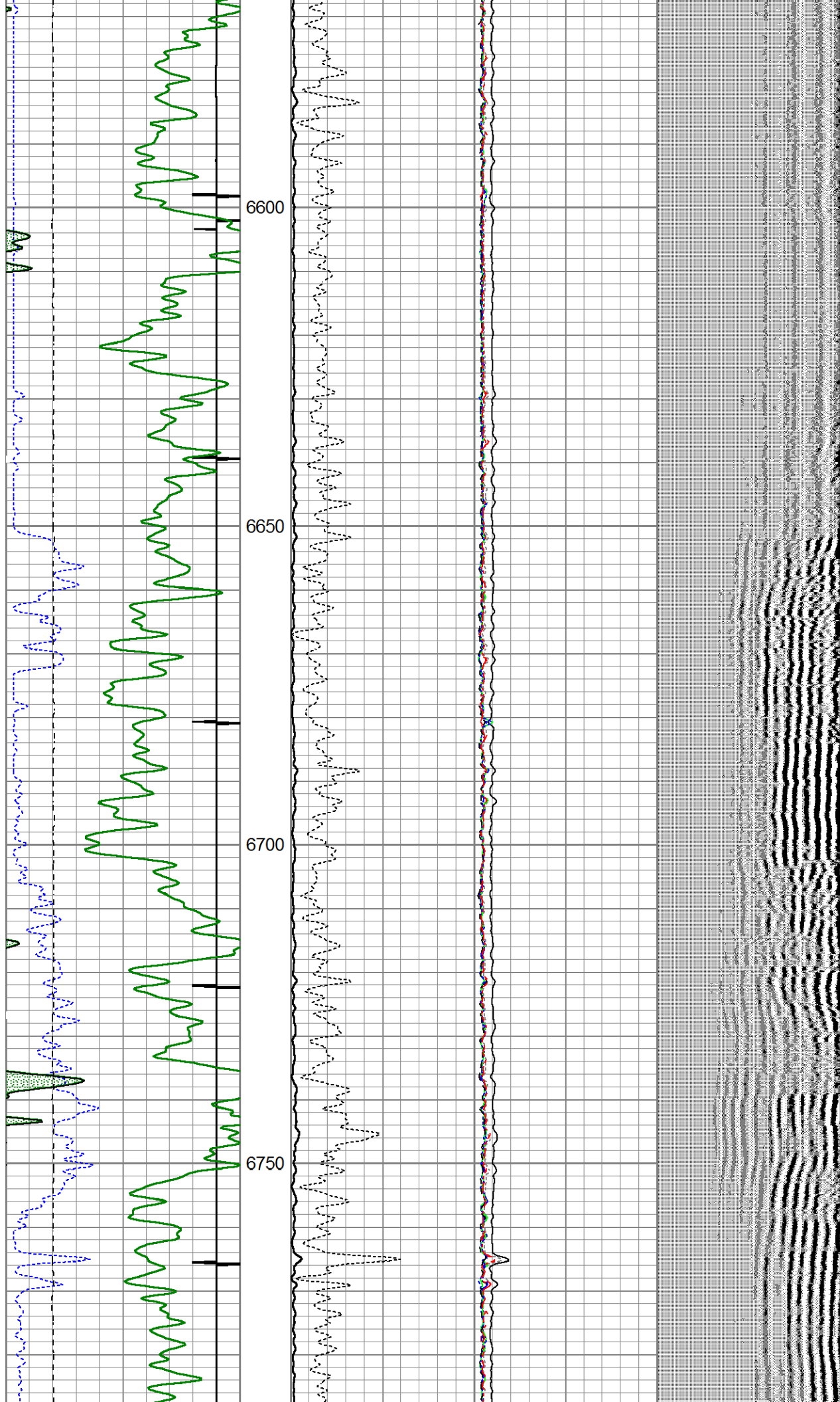


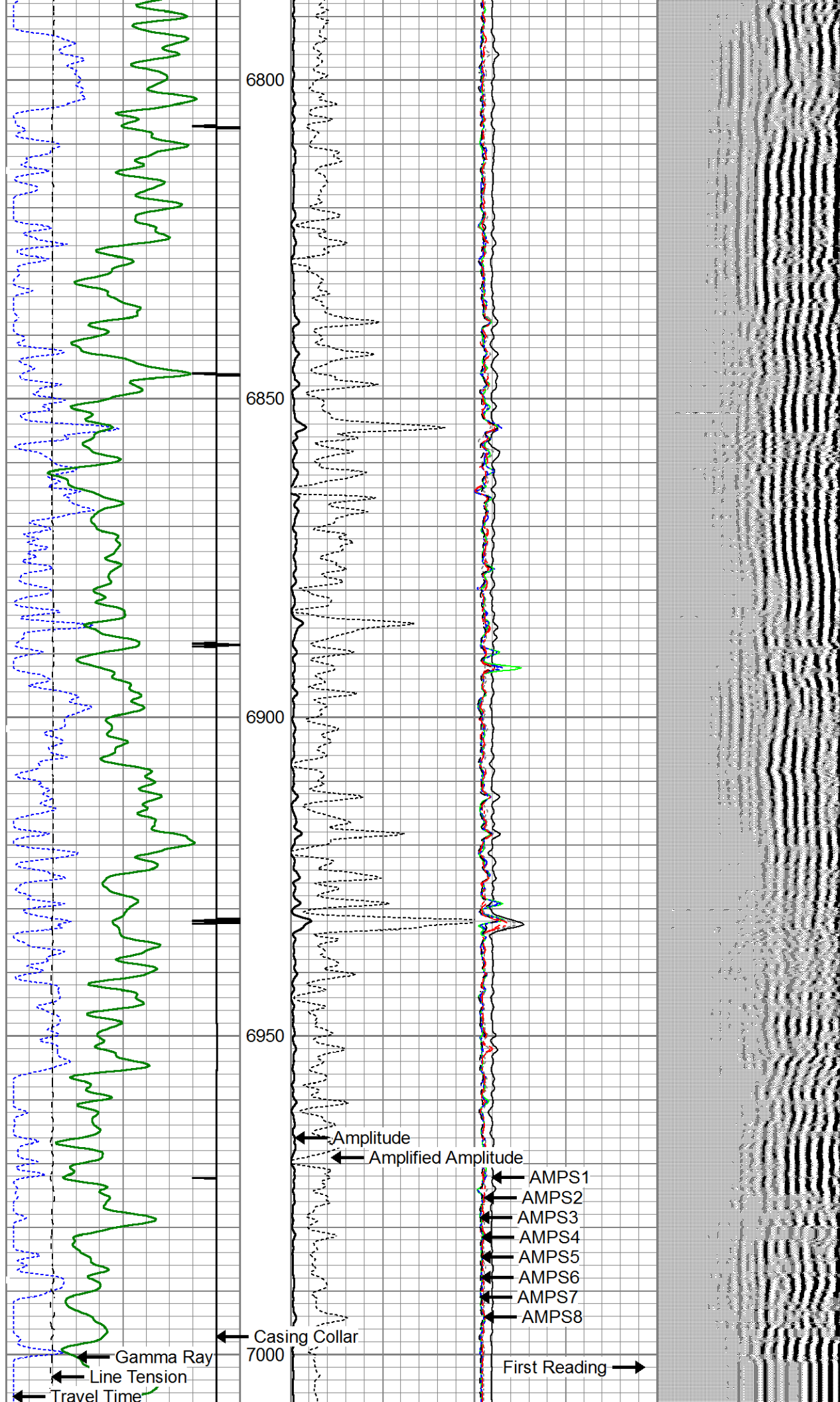












6800

6850

6900

6950

7000

Amplitude

Amplified Amplitude

AMPS1

AMPS2

AMPS3

AMPS4

AMPS5

AMPS6

AMPS7

AMPS8

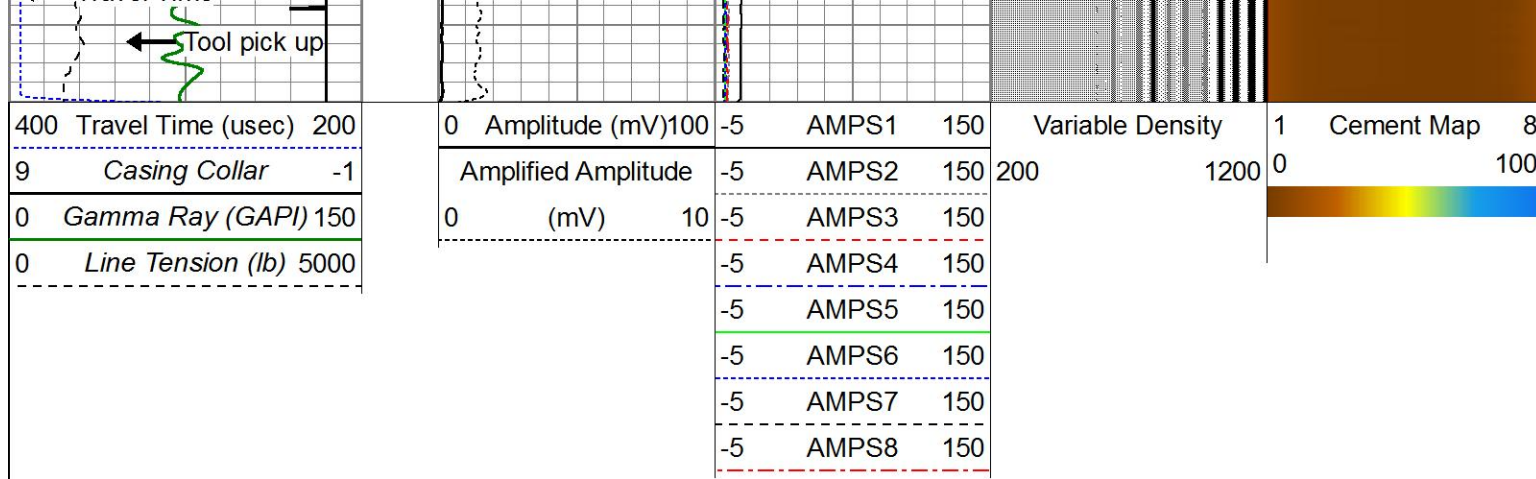
Casing Collar

Gamma Ray

Line Tension

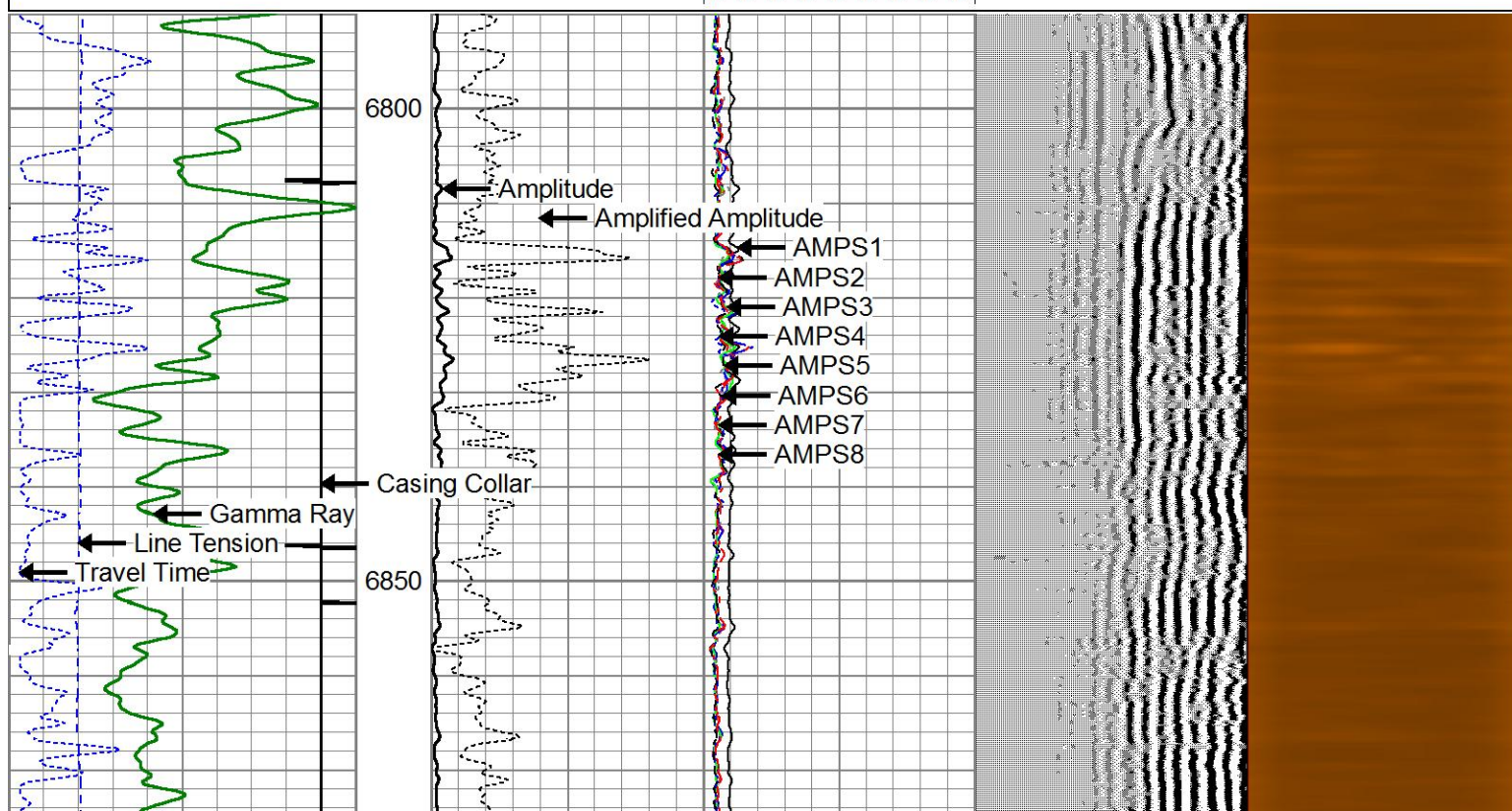
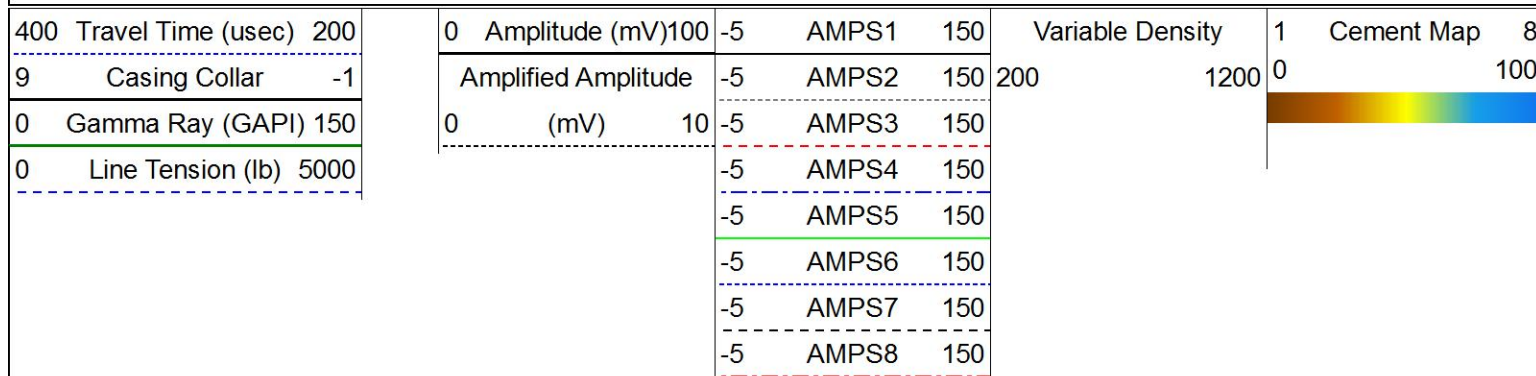
Travel Time

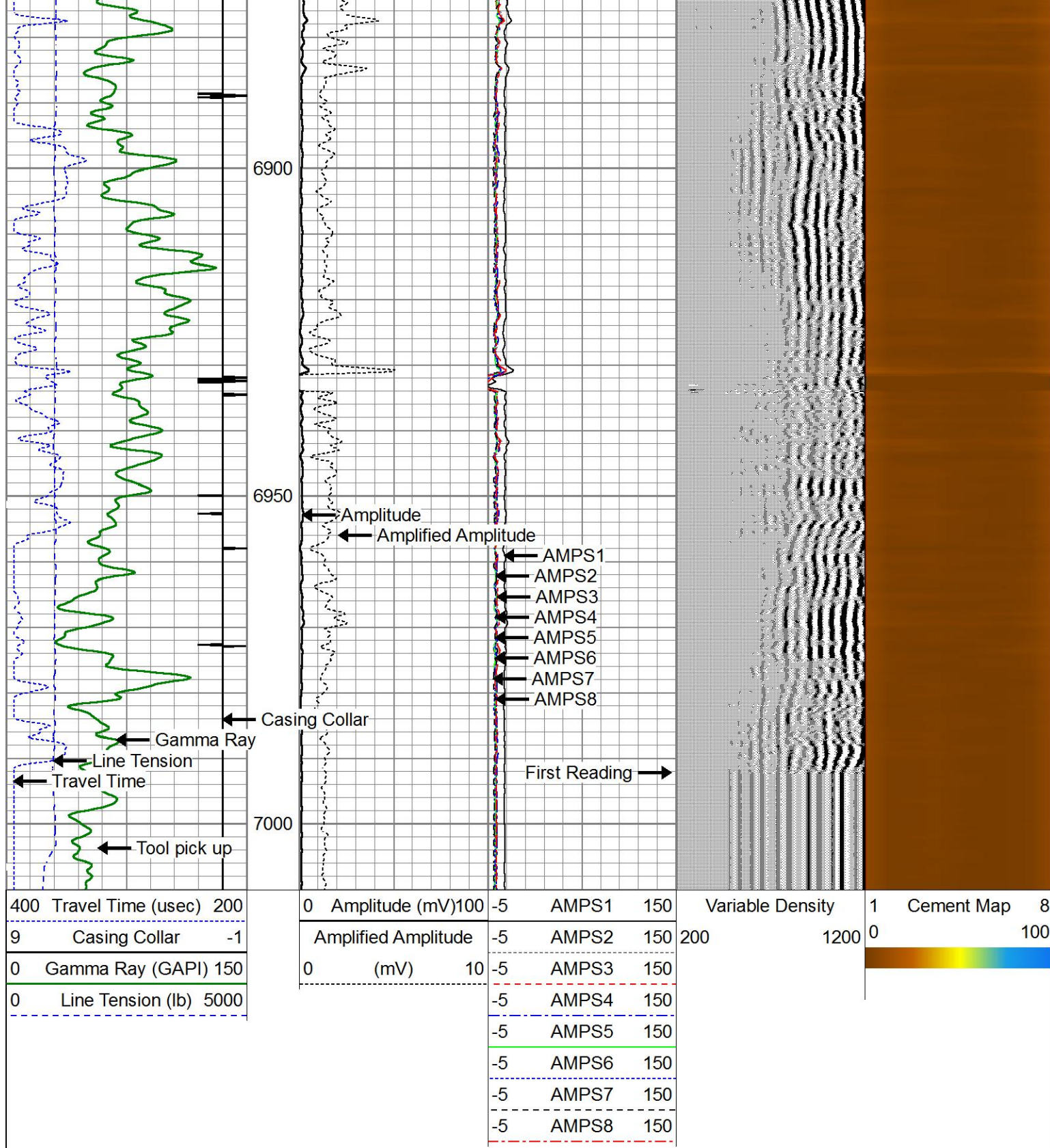
First Reading



Repeat Pass


Database File c:\users\user\desktop\co sq\job paperwork\noble cbl 06302015\noble wells ranch aa11-632-646w8.db
 Dataset Pathname DJ\WellsRanc\run1\pass10
 Presentation Format scbl03
 Dataset Creation Wed Jul 01 08:18:07 2015
 Charted by Depth in Feet scaled 1:240

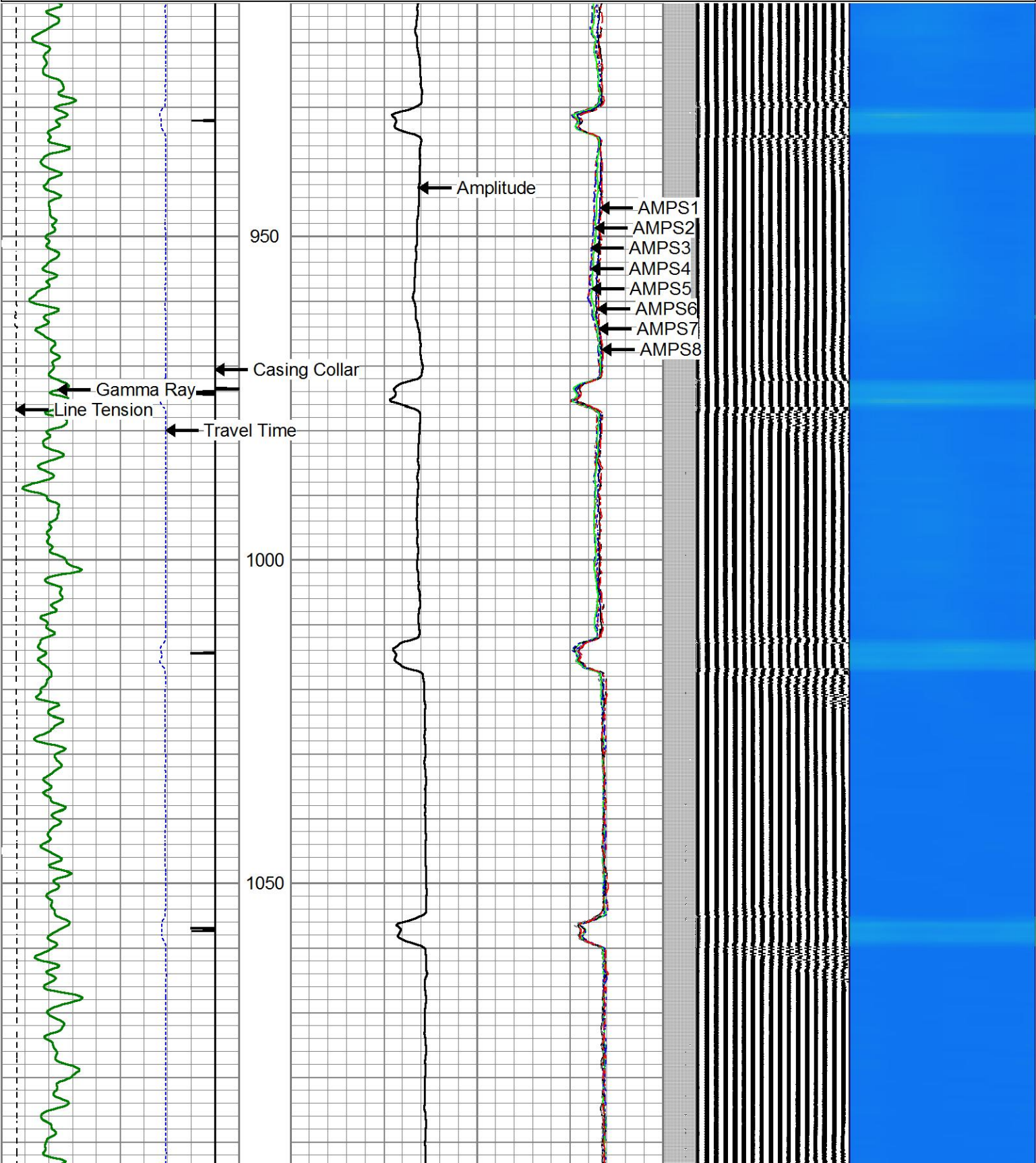


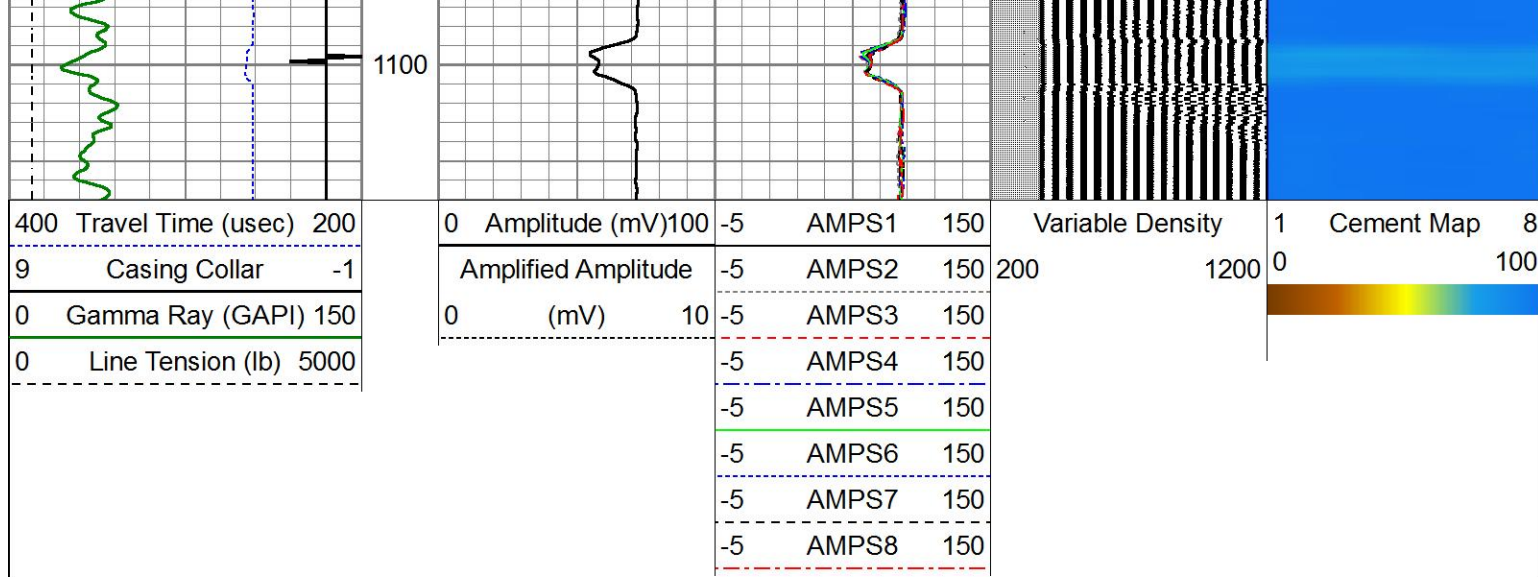


Free Pipe Pass

Database File: c:\users\user\desktop\co sq\job paperwork\noble cbl 06302015\noble wells ranch aa11-632-646w8.db
 Dataset Pathname: DJ/WellsRanc/run1/pass8
 Presentation Format: scbl03
 Dataset Creation: Wed Jul 01 08:24:08 2015
 Charted by: Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density		1	Cement Map	8			
9	Casing Collar	-1	Amplified Amplitude			-5	AMPS2	150	200	1200	0		100			
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	AMPS3	150								
0	Line Tension (lb)	5000				-5	AMPS4	150								
						-5	AMPS5	150								
						-5	AMPS6	150								
						-5	AMPS7	150								
						-5	AMPS8	150								





Log Variables

Database: c:\users\user\desktop\co sq\job paperwork\noble cbl 06302015\noble wells ranch aa11-632-646w8.db
Dataset DJ/WellsRanc/run1/pass12

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	TDEPTH ft 0	PERFS 0	CASEOD in 5.5	SRFTEMP degF 0	MINATTN db/ft 0.8	MINAMPL mV 0
MAXAMPL mV 72	CASEWGHT lb/ft 20	PPT usec 0					

Calibration Report

Database File c:\users\user\desktop\co sq\job paperwork\noble cbl 06302015\noble wells ranch aa11-632-646w8.db
Dataset Pathname DJ/WellsRanc/run1/pass12
Dataset Creation Wed Jul 01 08:18:10 2015

Gamma Ray Calibration Report

Serial Number: FW1305-89-Corrision
Tool Model: Probe275
Performed: Tue Jun 30 11:49:49 2015

Calibrator Value: 1022.0 GAPI

Background Reading: 149.4 cps
Calibrator Reading: 1775.7 cps

Sensitivity: 0.6285 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 101224
Tool Model: Probe

Calibration Casing Diameter: 5.500 in
Calibration Depth: 1128.075 ft

Master Calibration, performed Tue Jun 30 12:27:39 2015:

Raw (v)

Calibrated (mv)

Results

Zero

Cal

Zero

Cal

Gain

Offset

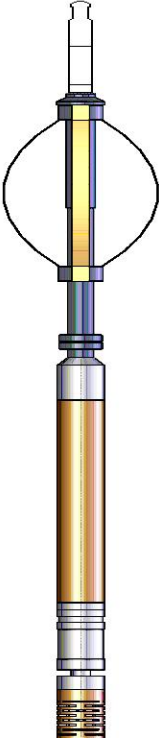
3'	0.015	0.624	0.000	71.921	117.942	-1.726
CAL	0.014	0.994				
5'	0.016	0.559	0.000	71.921	132.557	-2.115
SUM						
S1	0.013	0.711	0.000	100.000	143.330	-1.891
S2	0.014	0.639	0.000	100.000	159.838	-2.162
S3	0.016	0.617	0.000	100.000	166.426	-2.615
S4	0.016	0.603	0.000	100.000	170.365	-2.652
S5	0.015	0.614	0.000	100.000	167.040	-2.510
S6	0.016	0.635	0.000	100.000	161.559	-2.520
S7	0.015	0.640	0.000	100.000	160.063	-2.460
S8	0.015	0.659	0.000	100.000	155.293	-2.339

Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.014	0.994	1.000	0.000

Air Zero Calibration, performed Mon Oct 10 09:41:05 2005:

	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	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-Titan Cable_head	1.00	1.44	10.00
			CENT-Probe275 2.75\" Centralizer	2.88	2.75	20.00

