

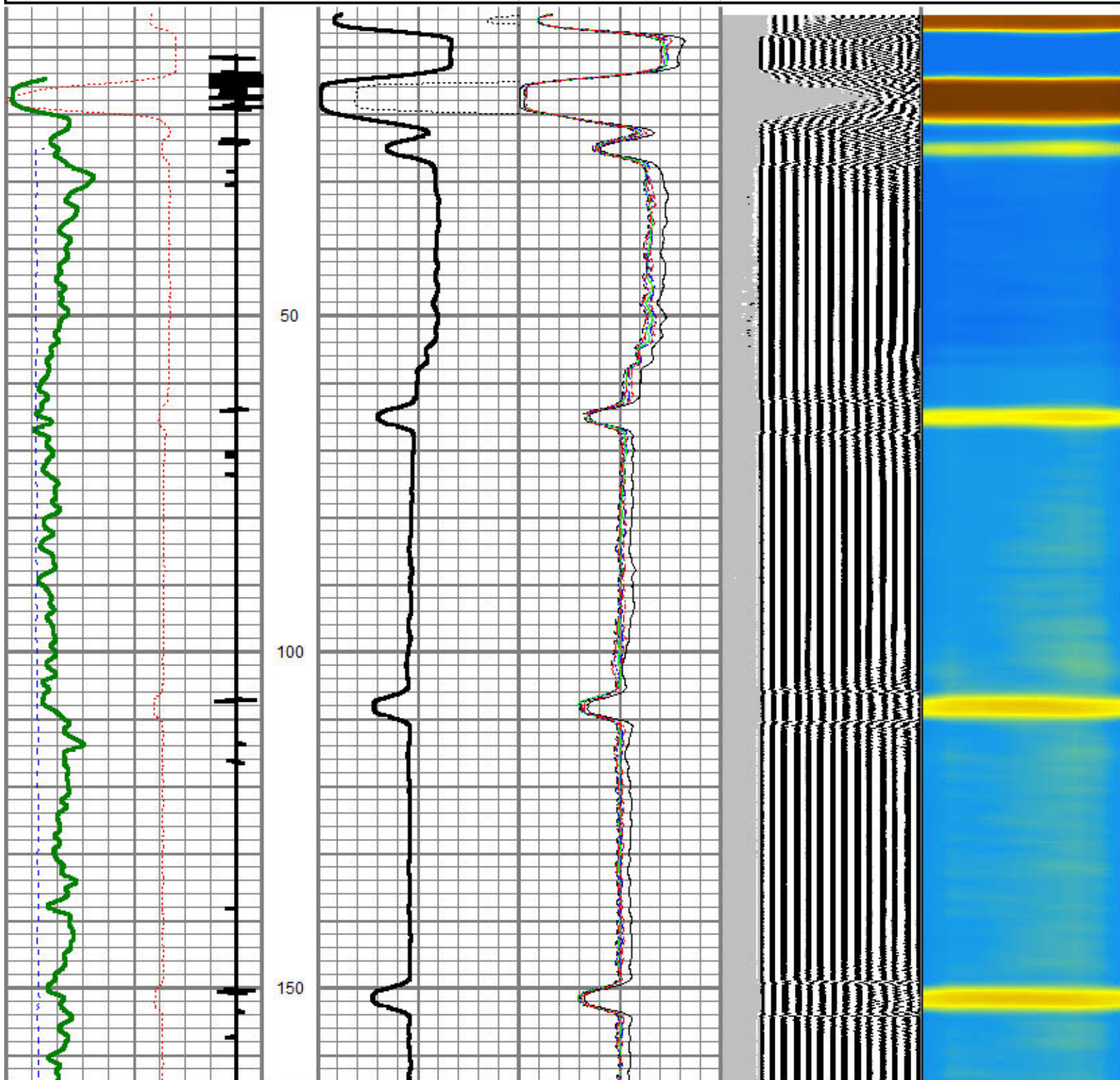
WIRELINE SERVICES

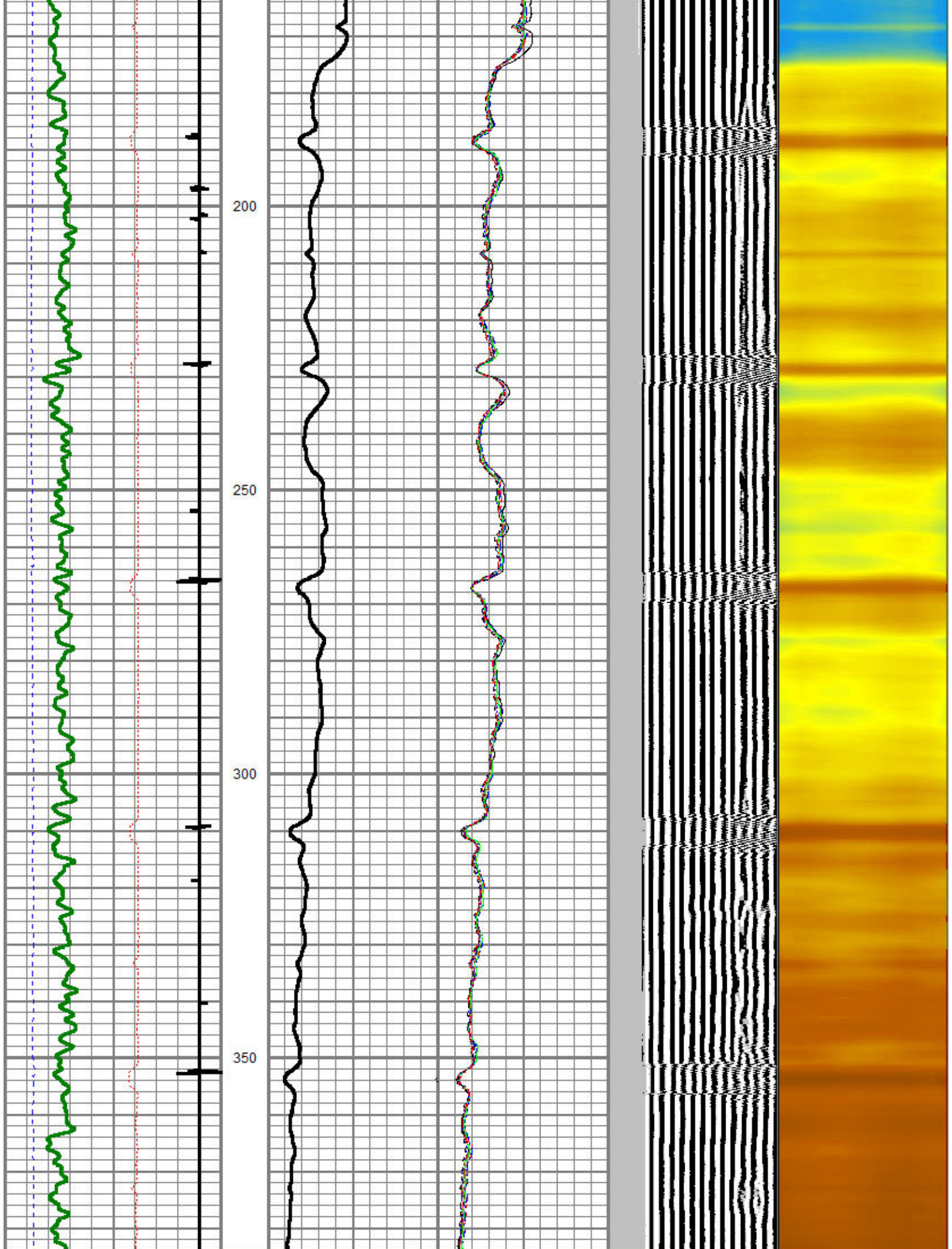
Database File: 2804.db
 Dataset Pathname: pass9
 Presentation Format: scbl03
 Dataset Creation: Sun Jan 25 17:14:57 2015 by Log 0
 Charted by: Depth in Feet scaled 1:240

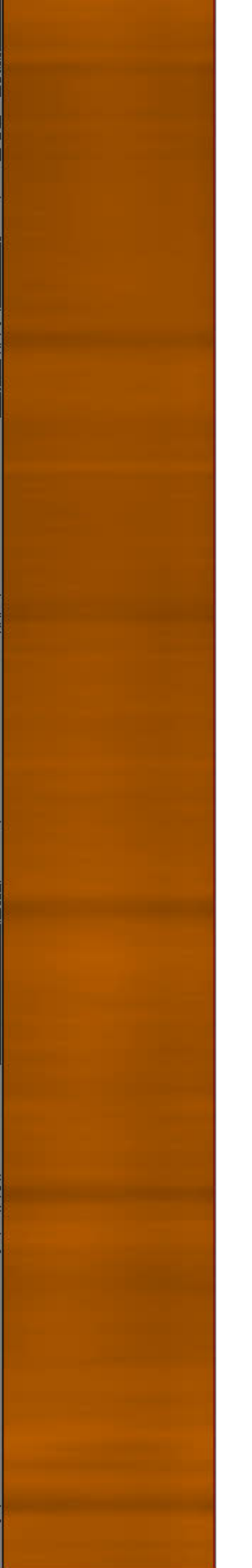
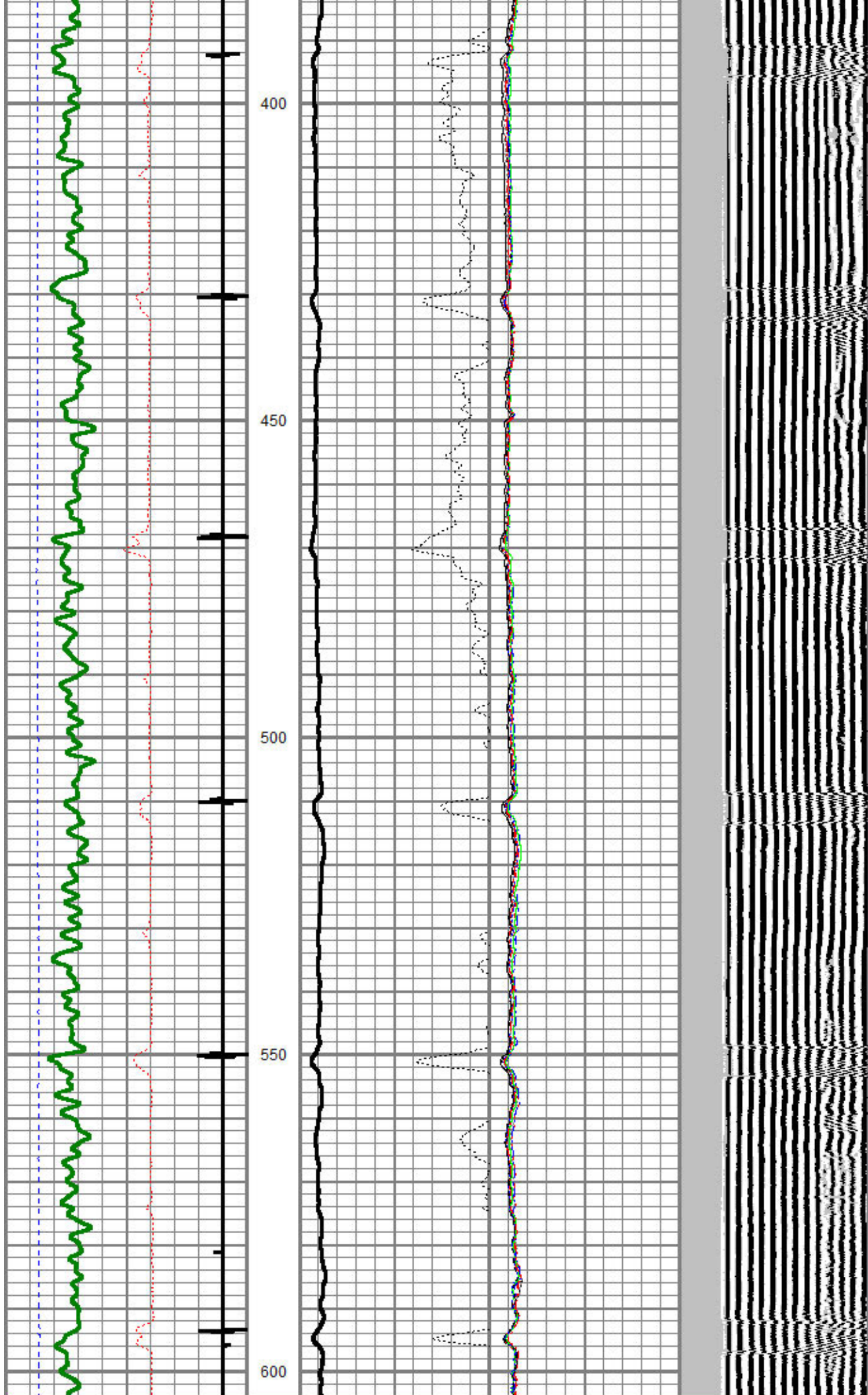
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

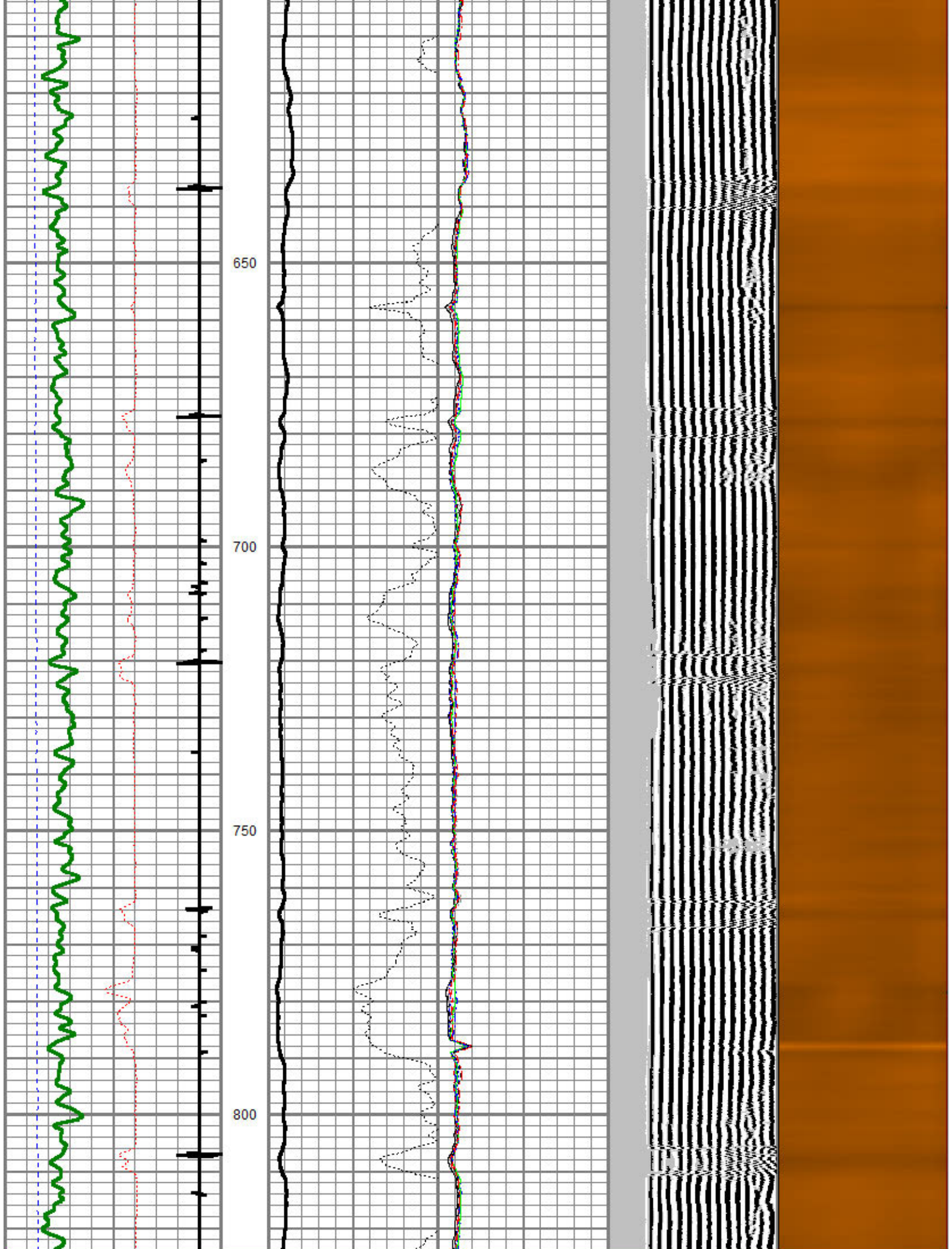
0	Amplitude (mV)	100
	Amplified Amplitude	
0	(mV)	10
-5	AMPS1	150
-5	AMPS2	150
-5	AMPS3	150
-5	AMPS4	150
-5	AMPS5	150
-5	AMPS6	150
-5	AMPS7	150
-5	AMPS8	150

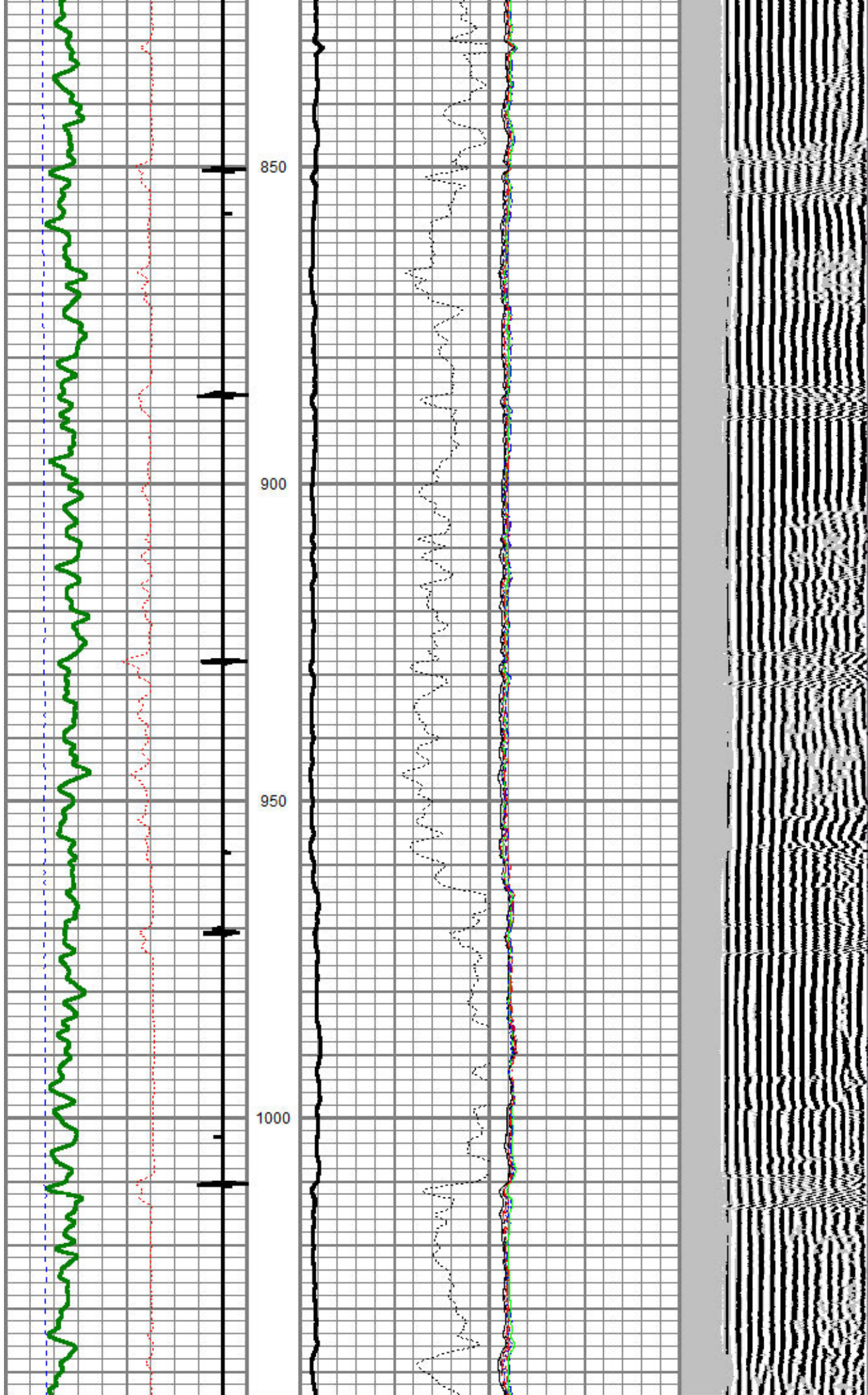
Variable Density	1	Cement Map	8
200	1200	0	100

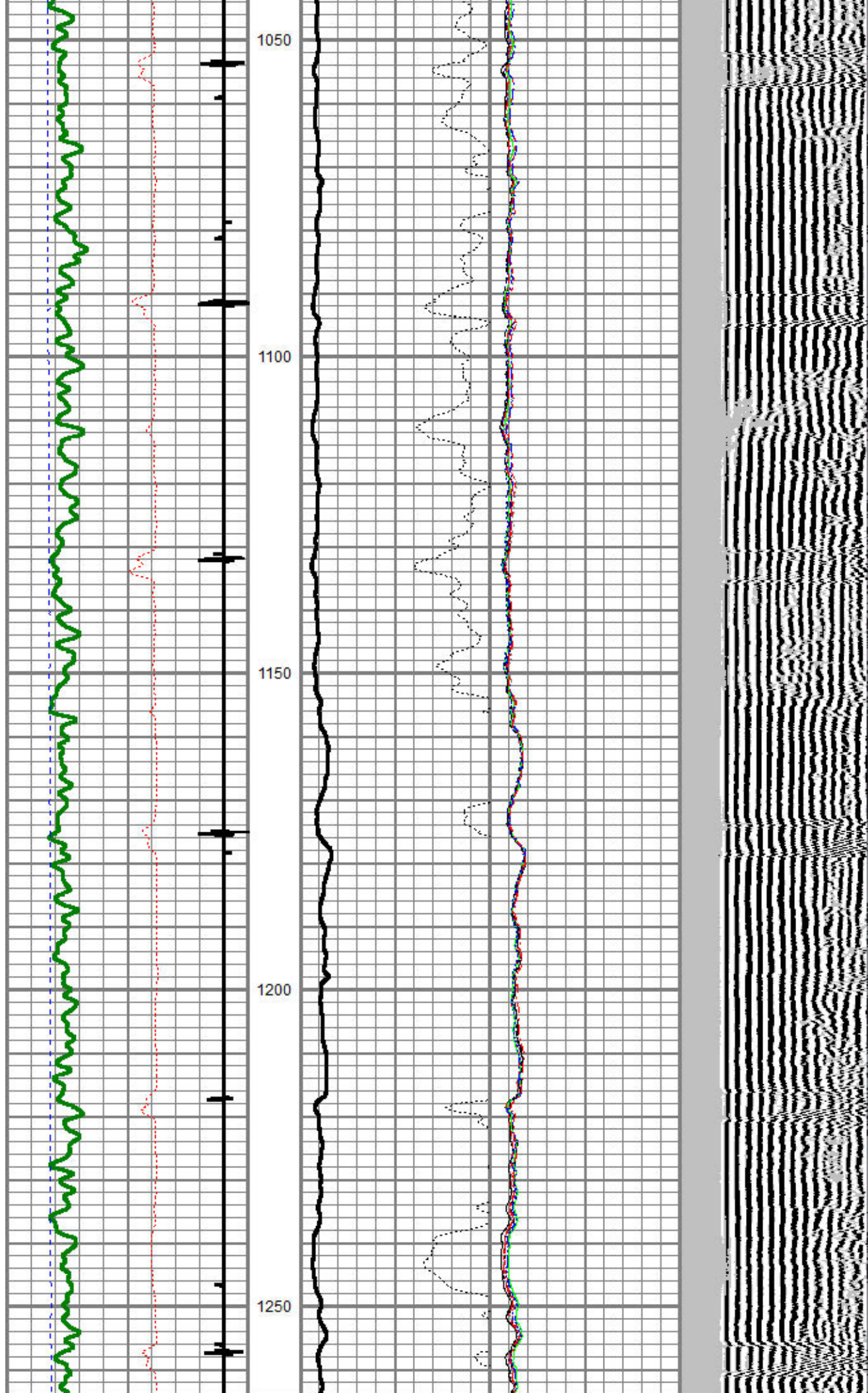


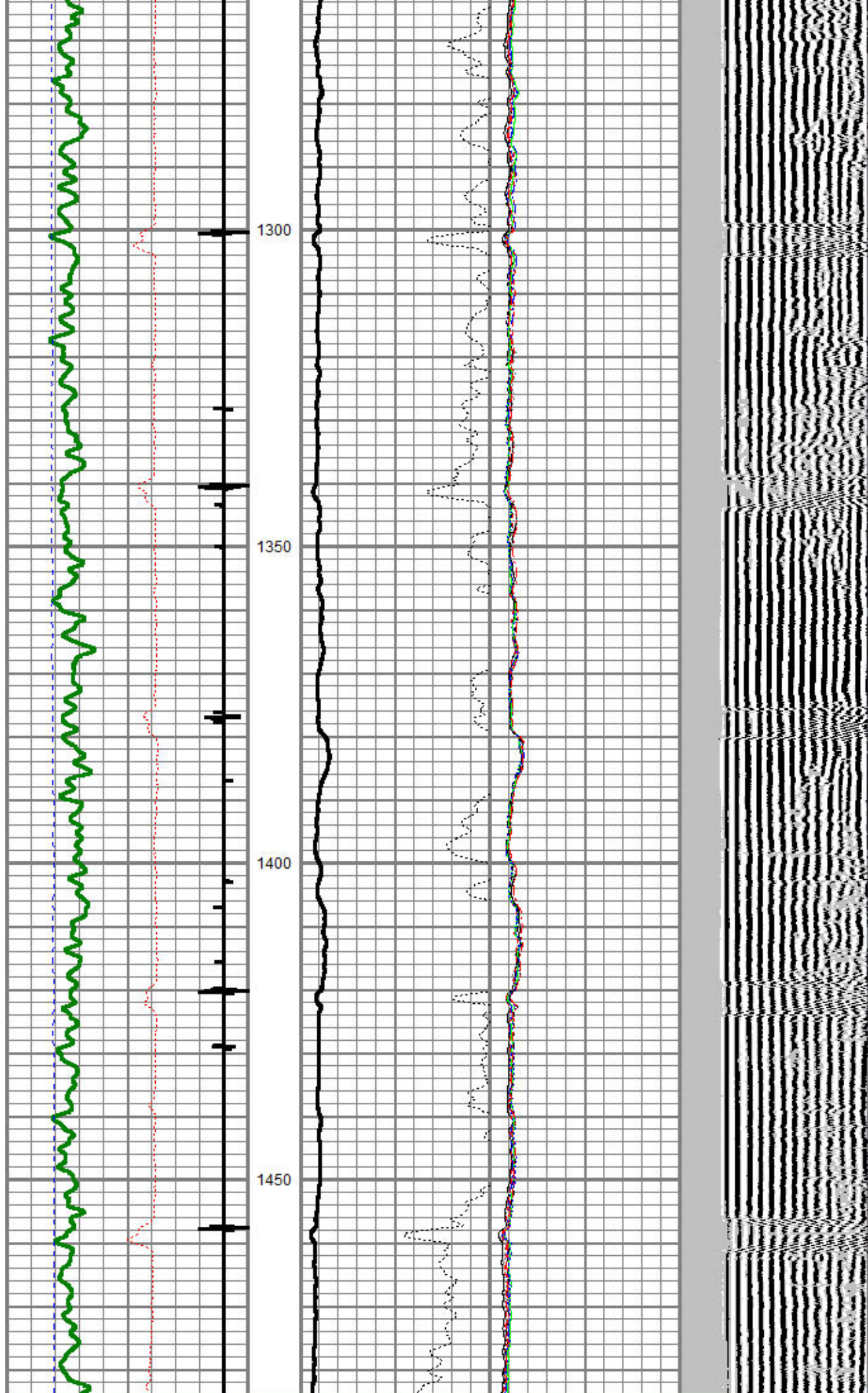


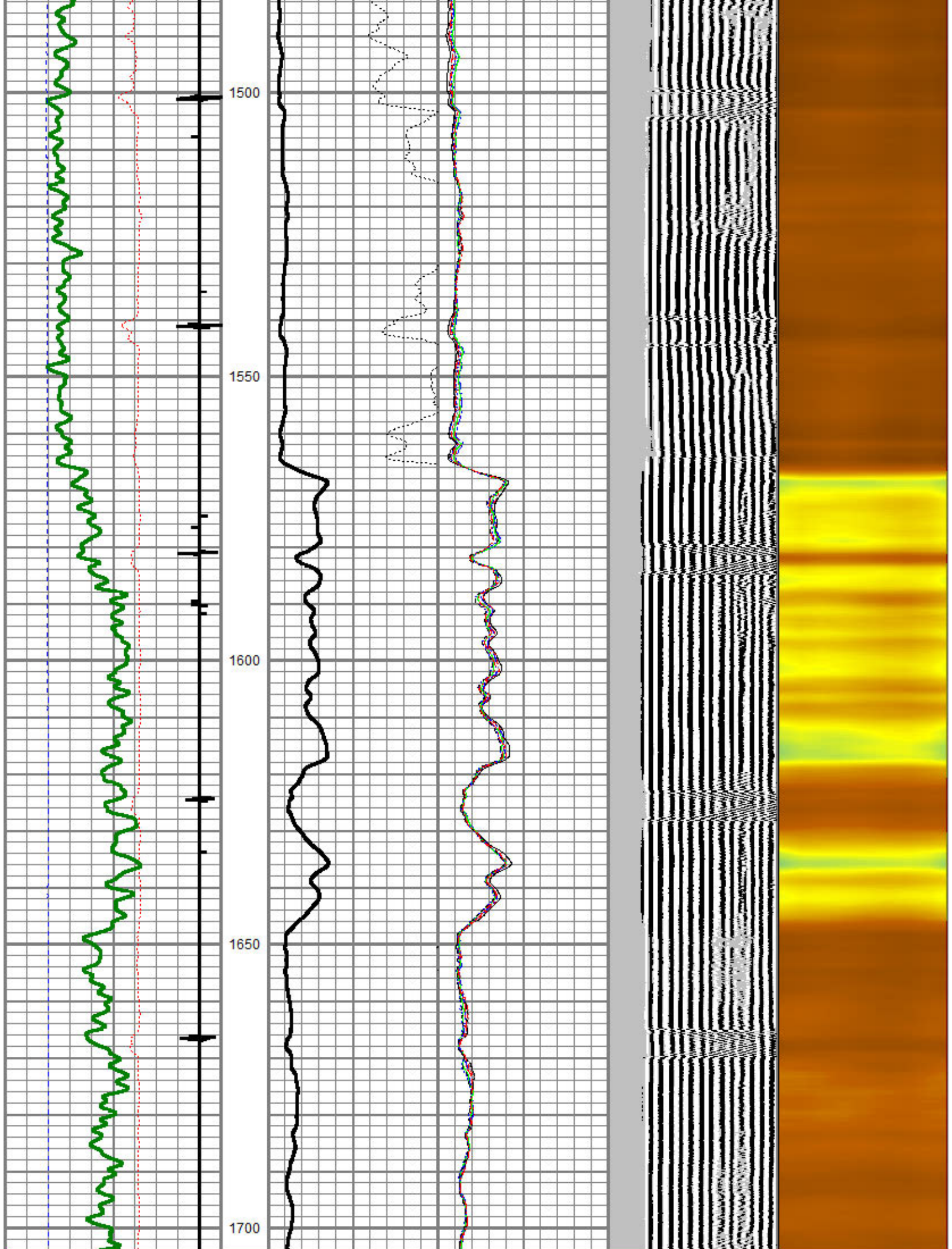


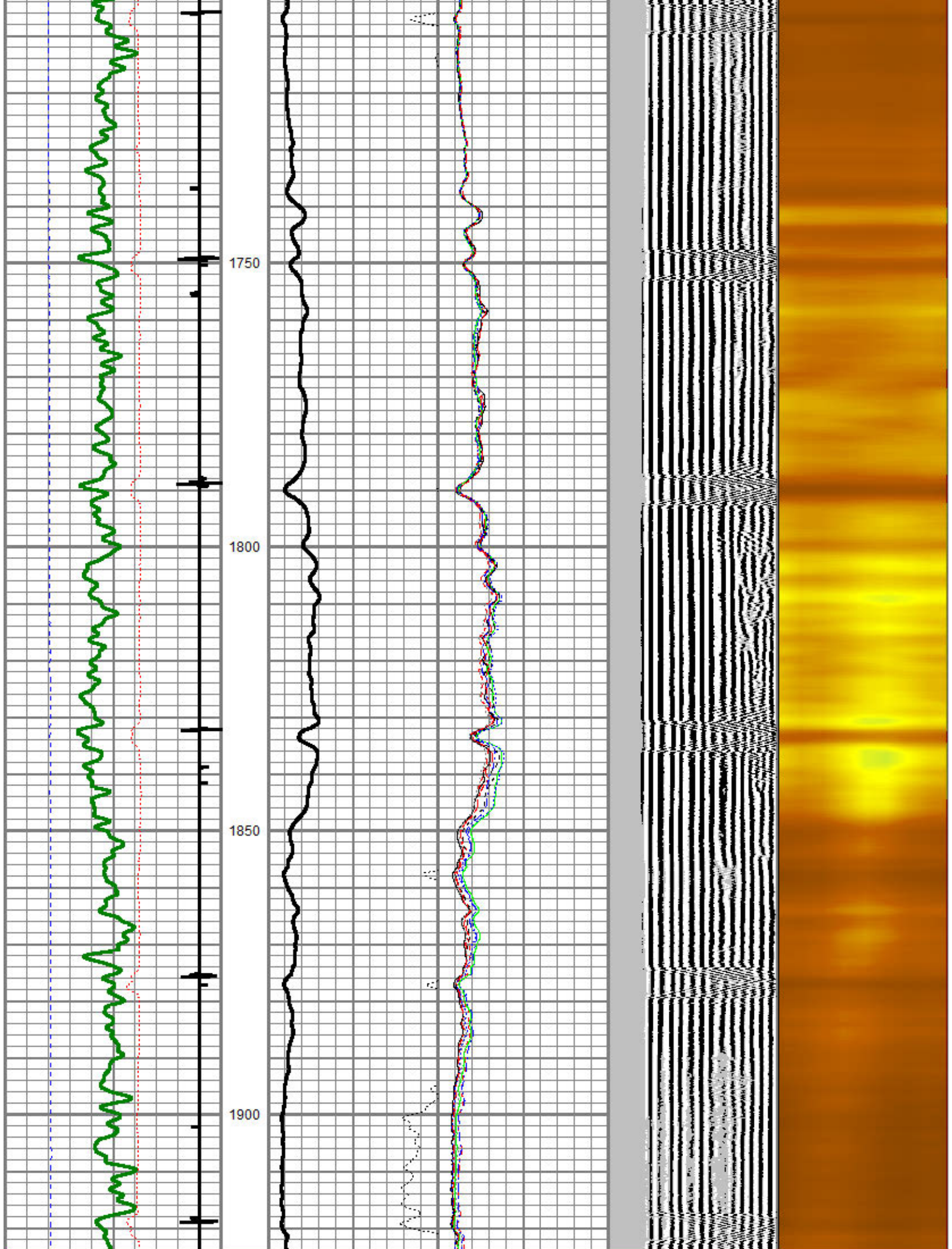


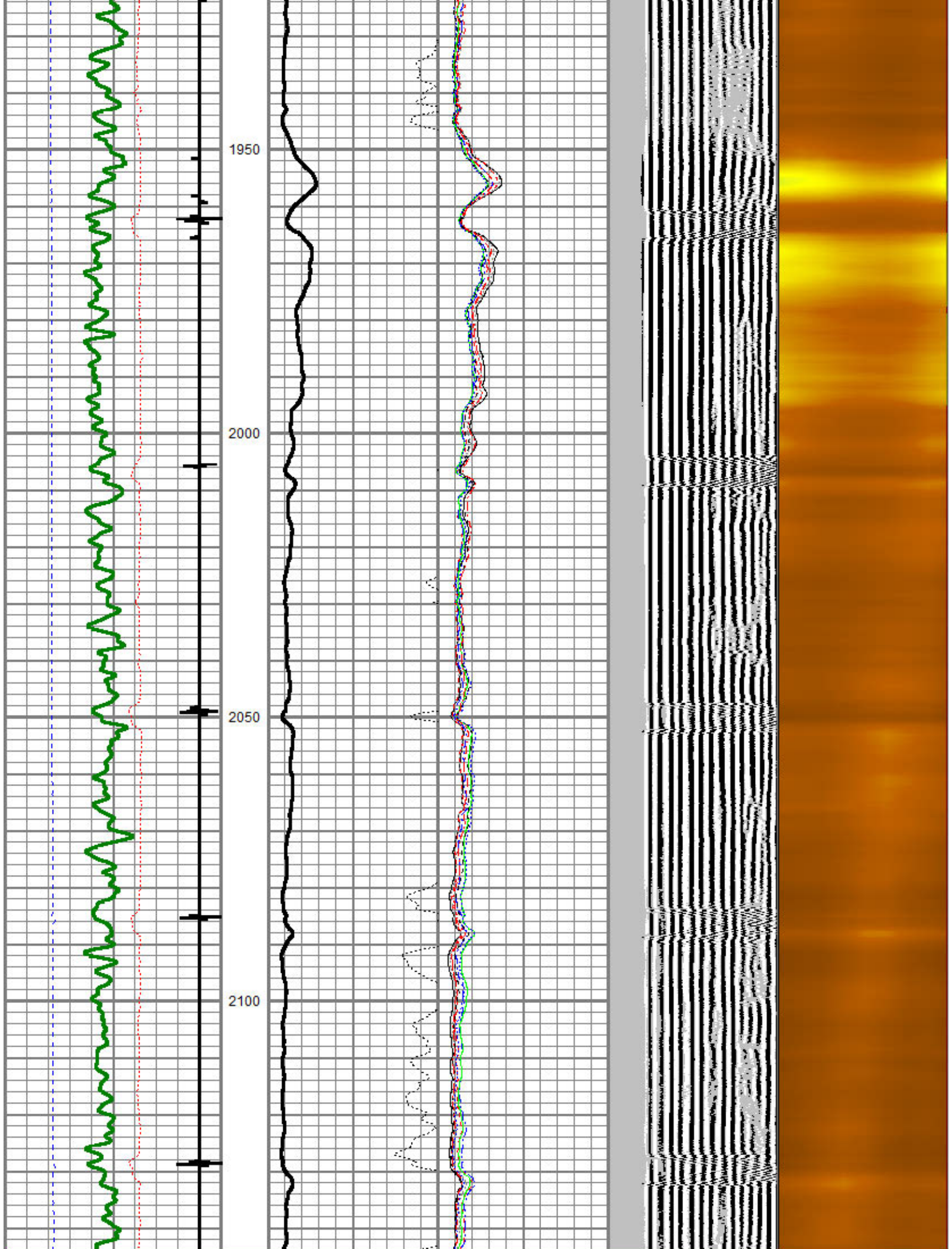


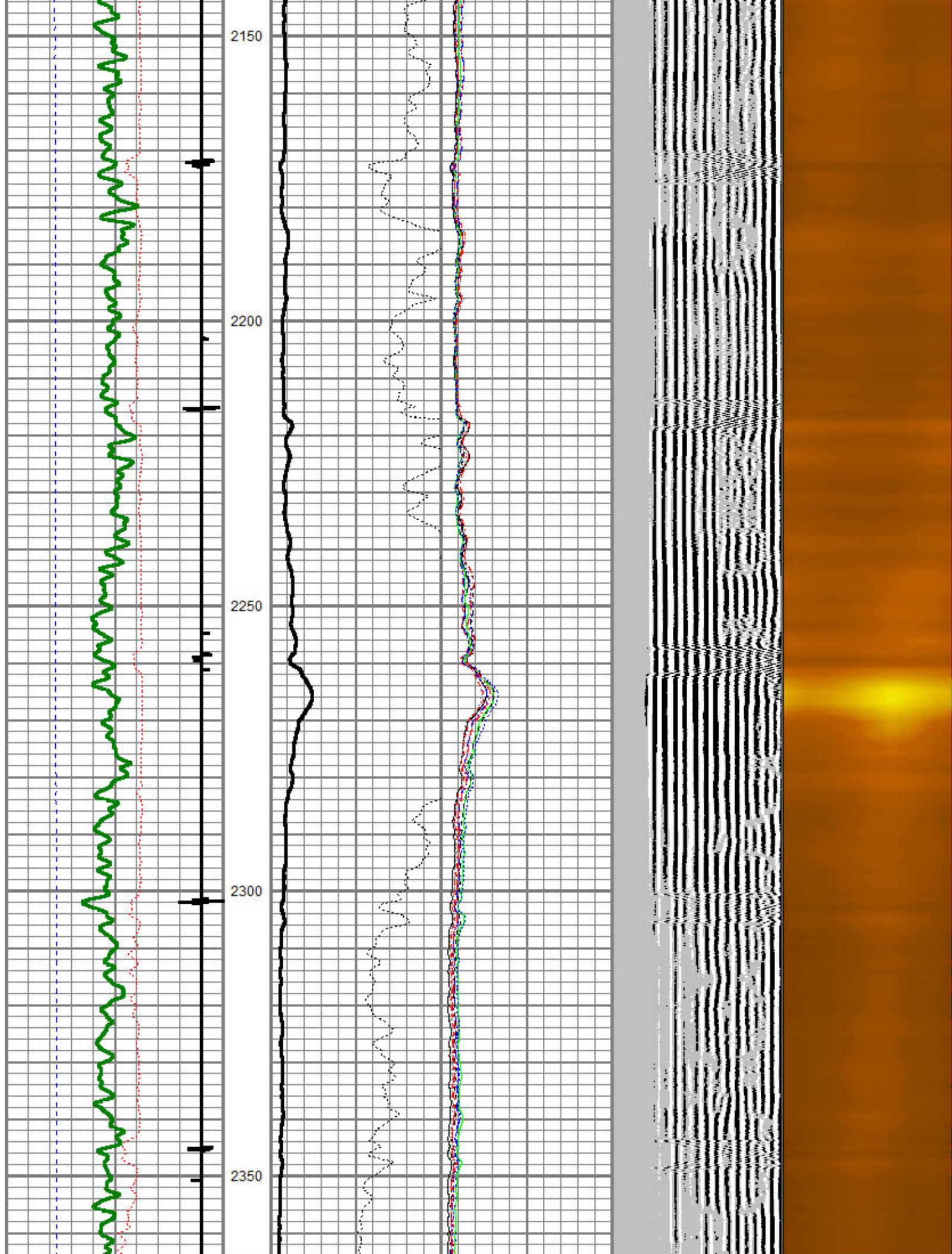


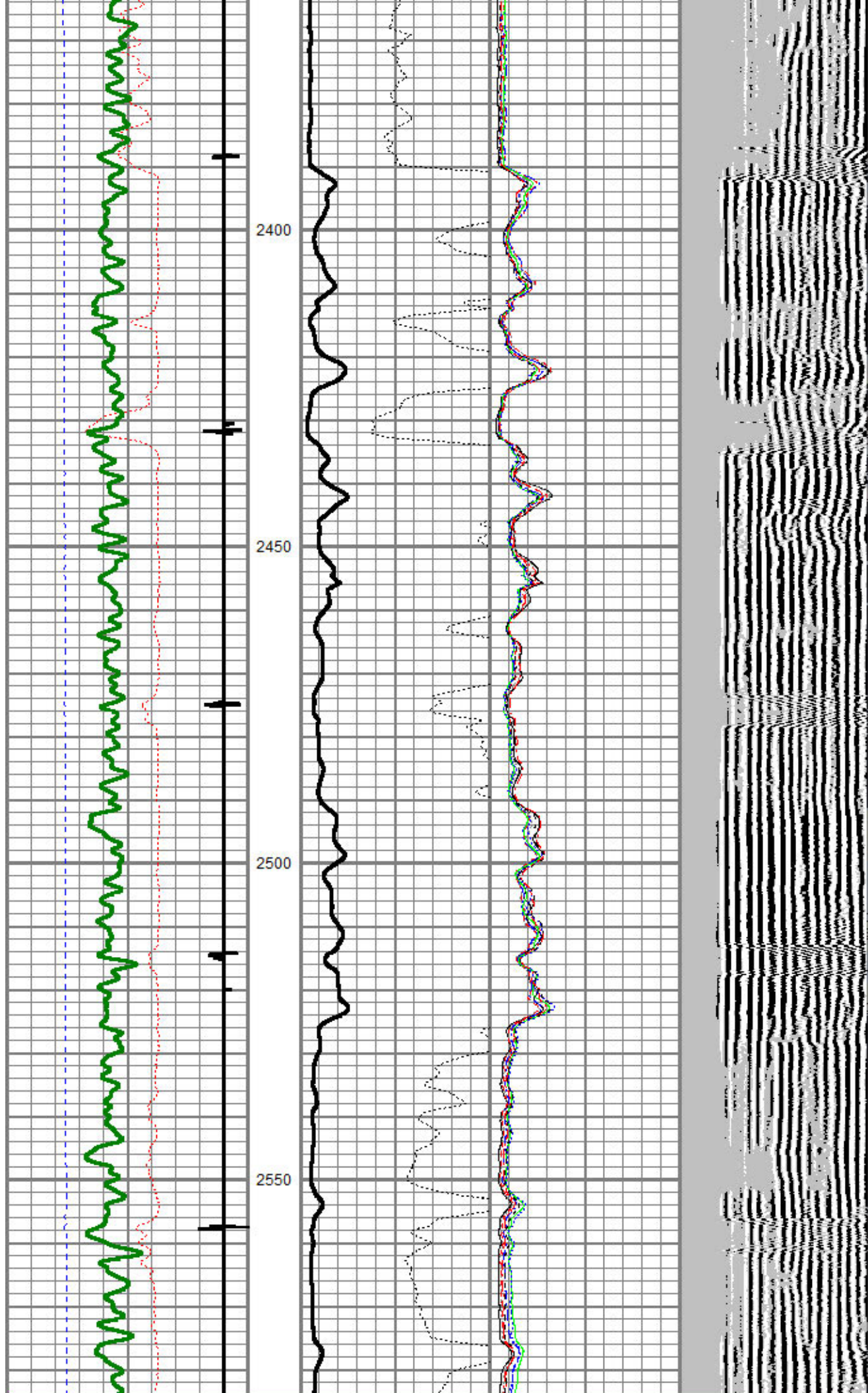


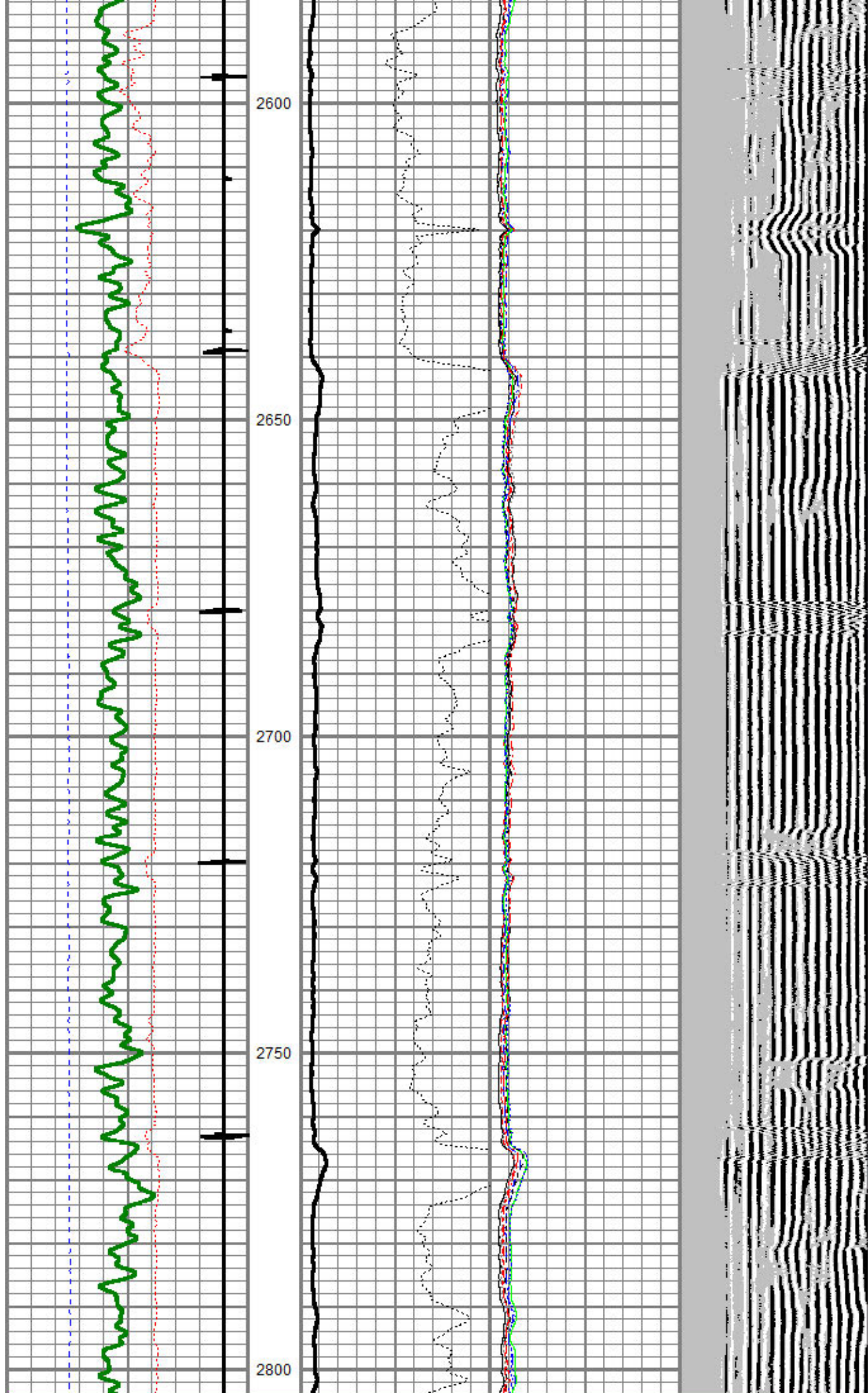


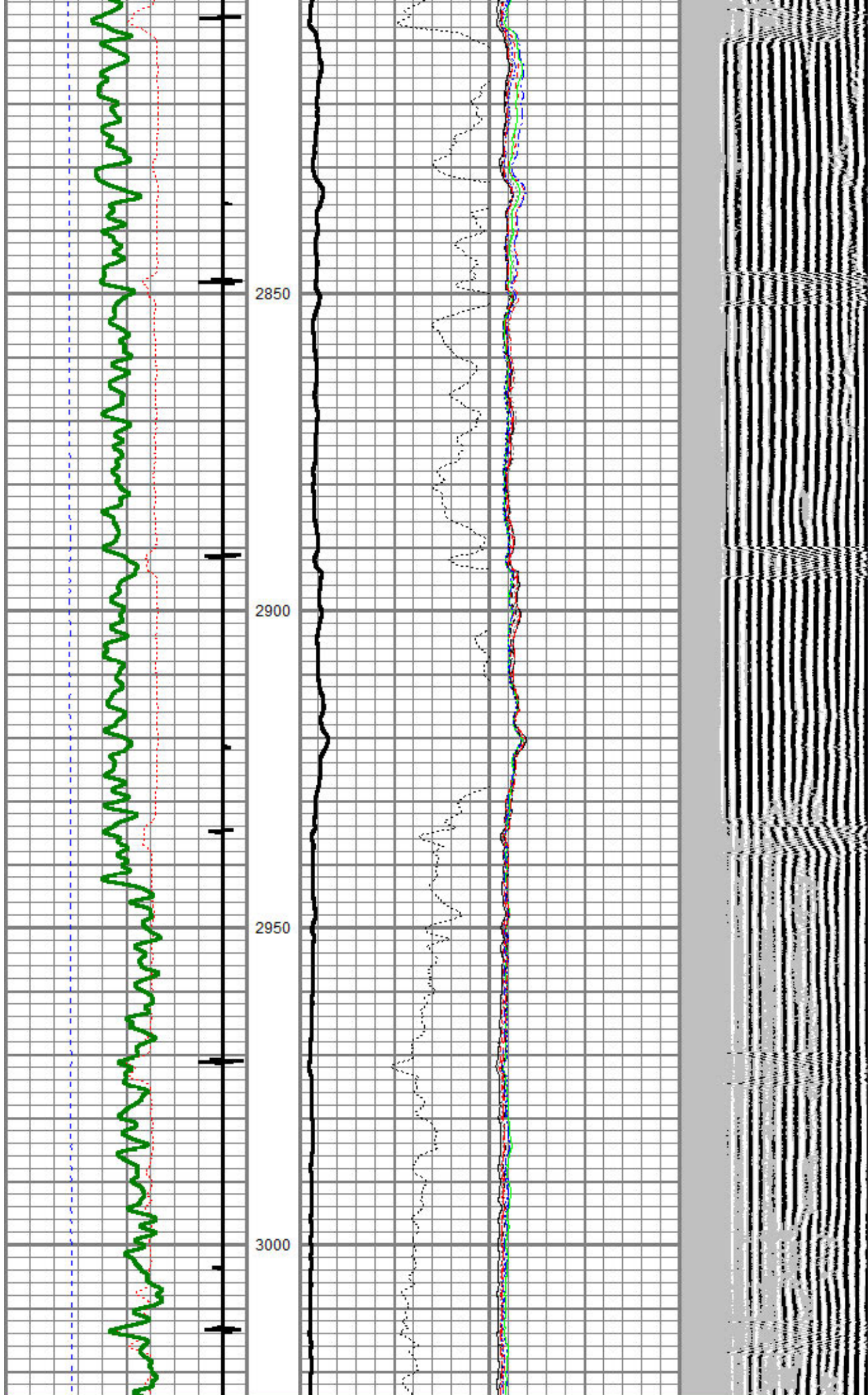


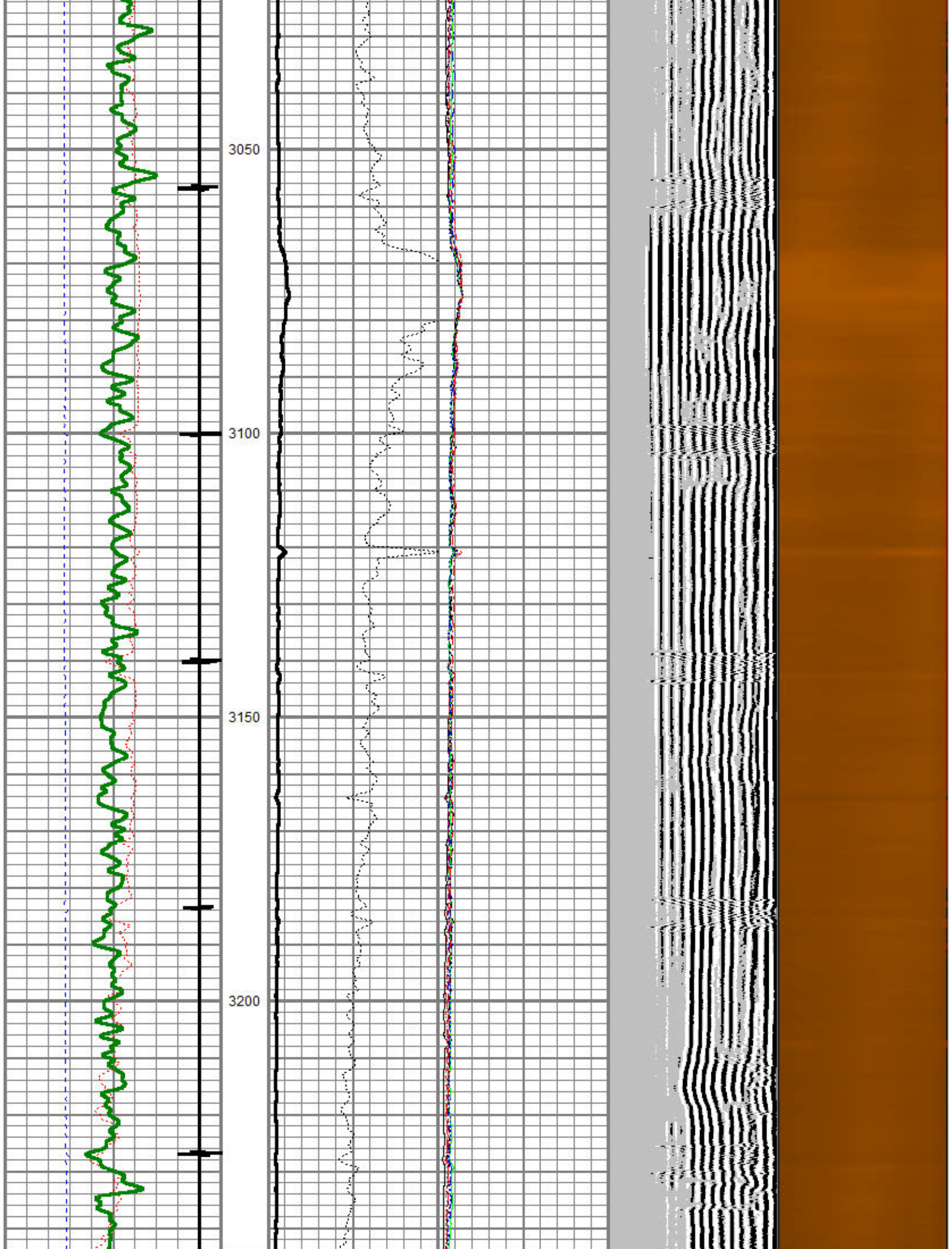


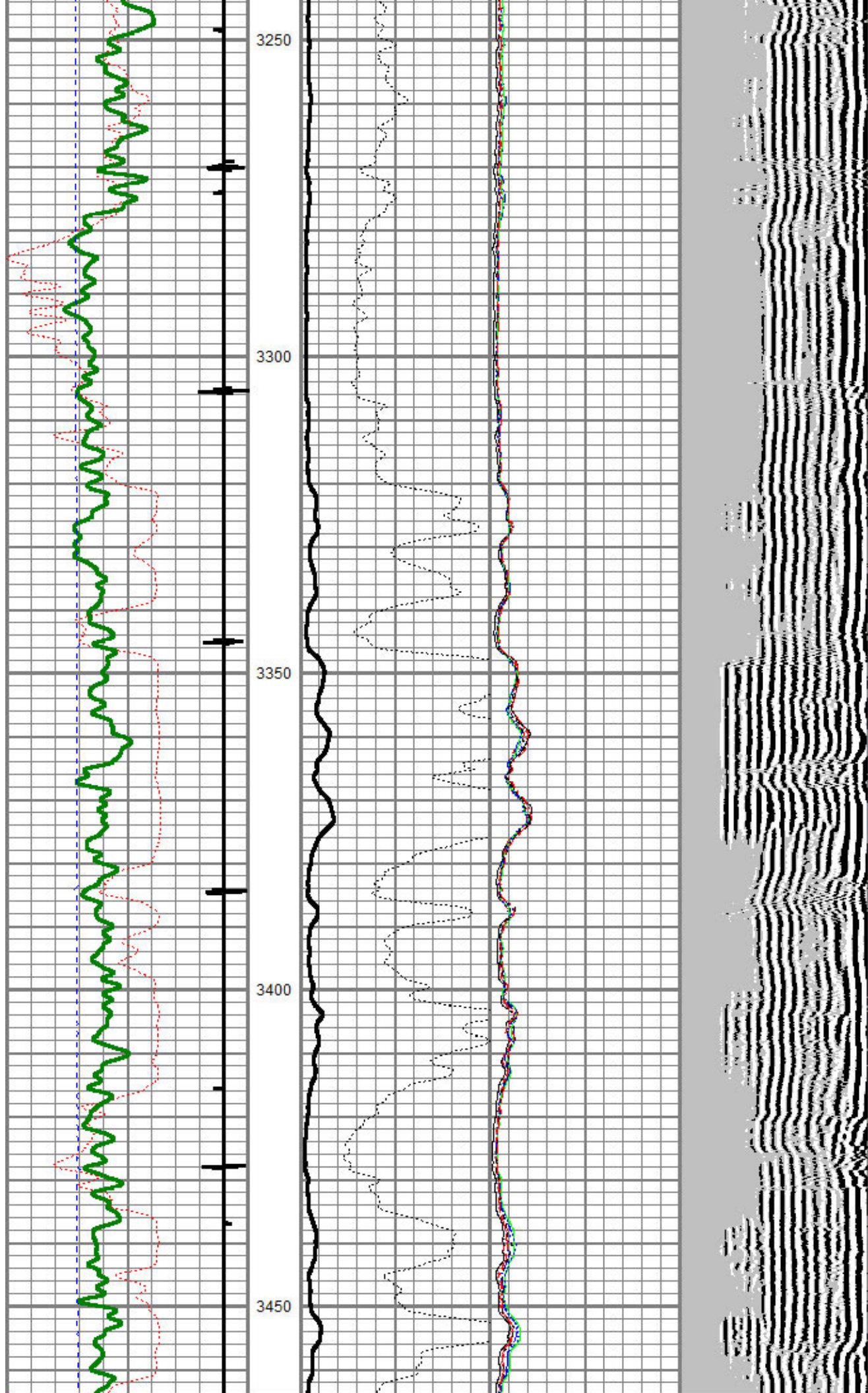


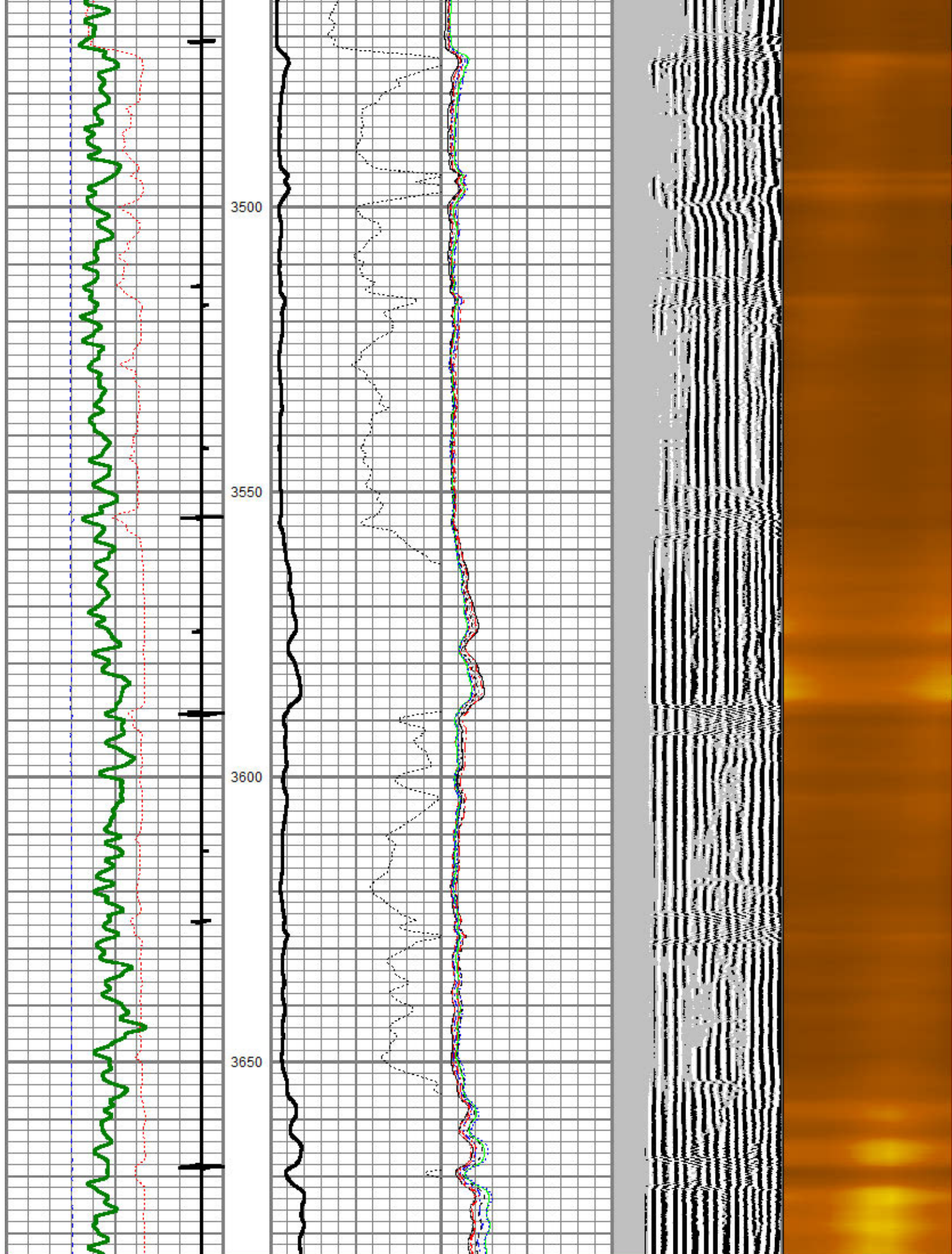


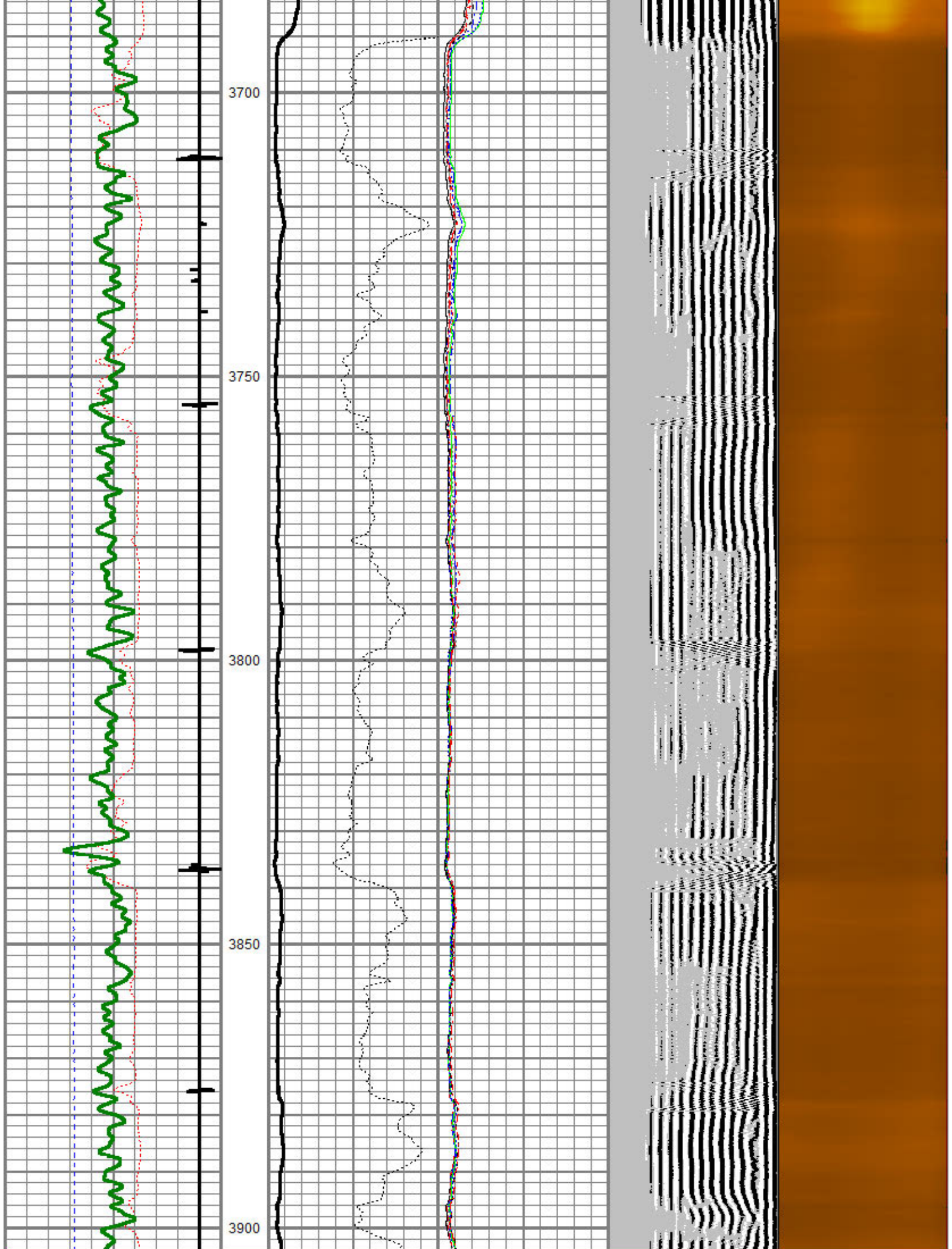


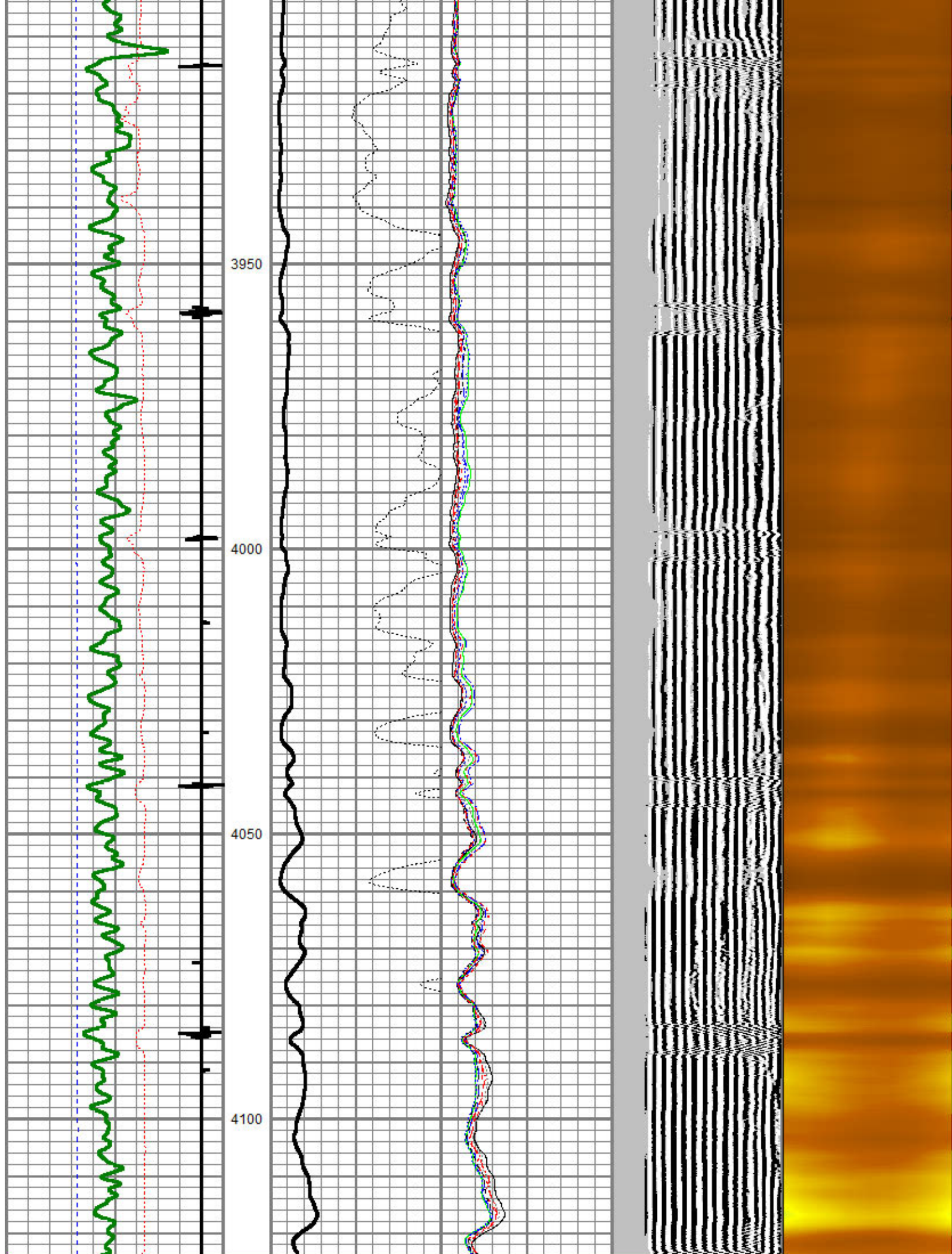


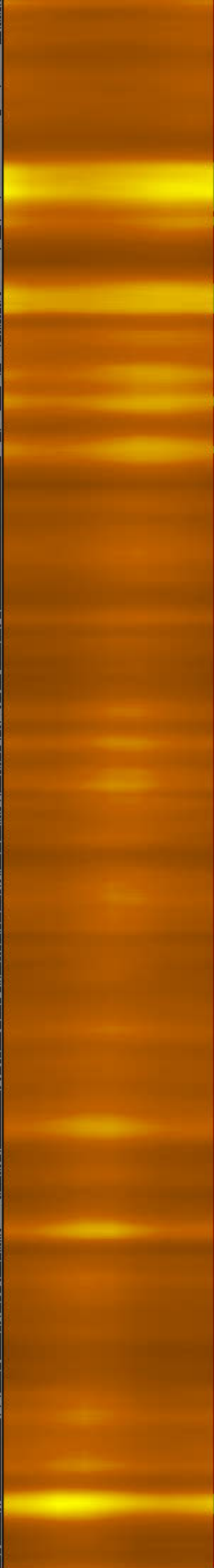
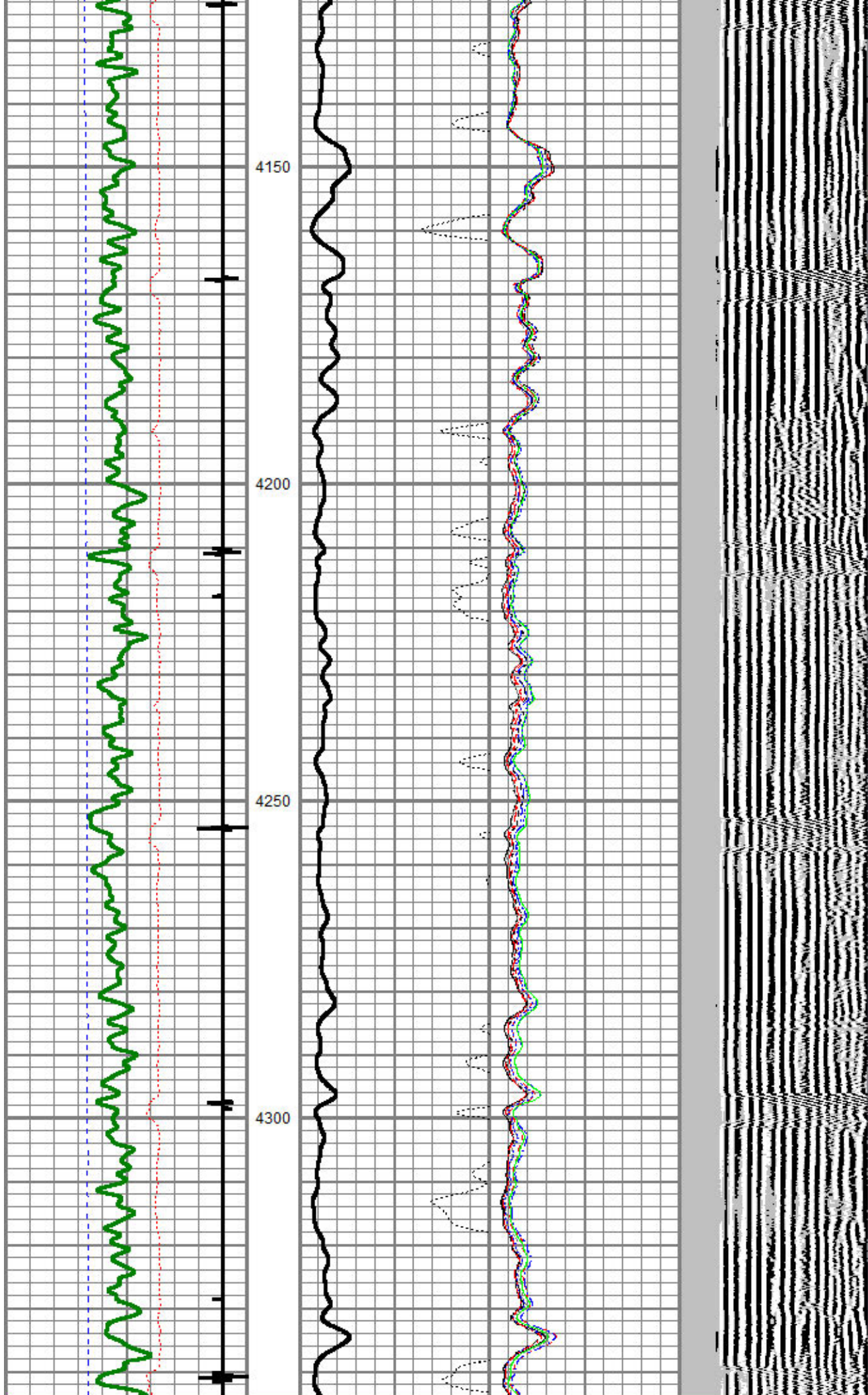


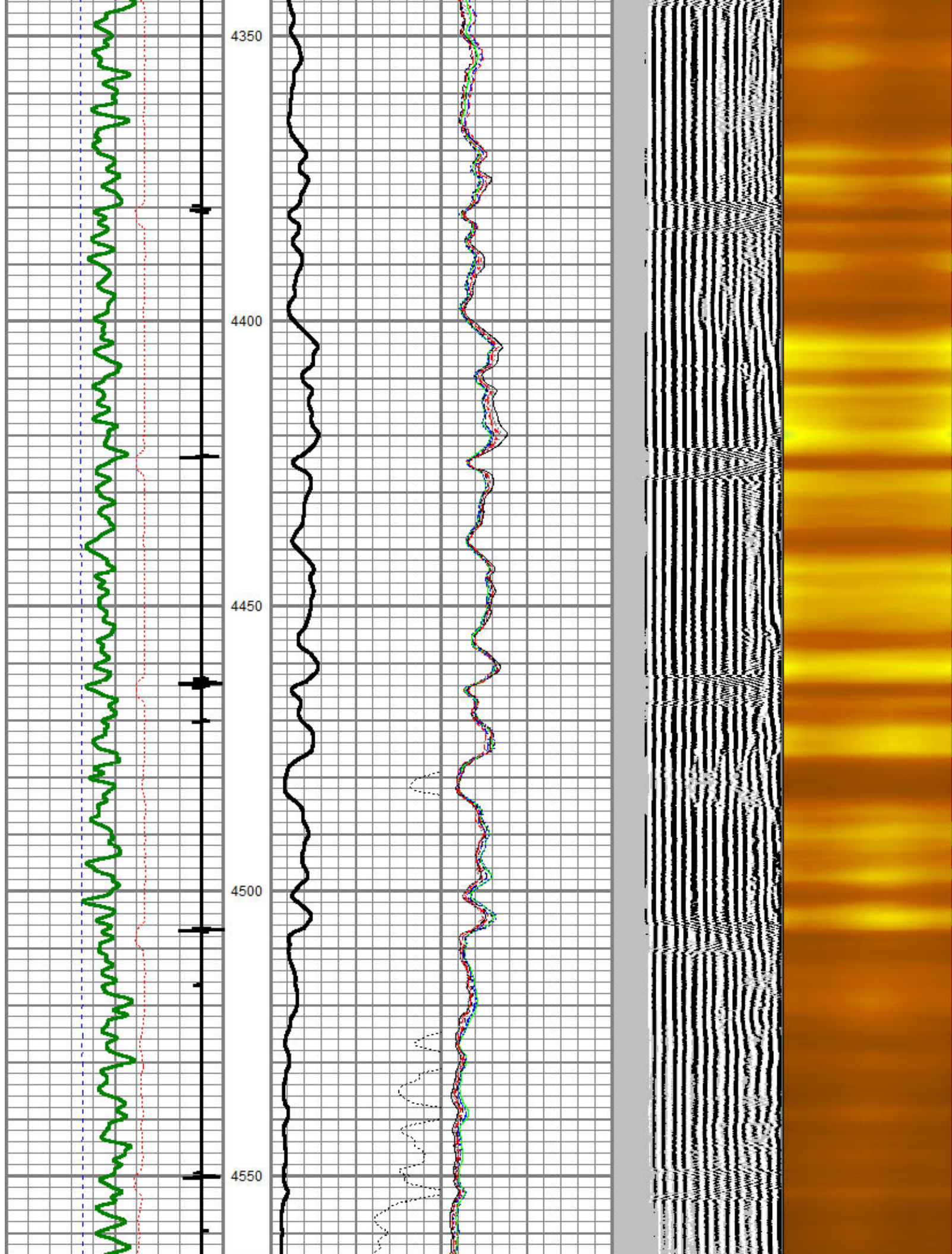


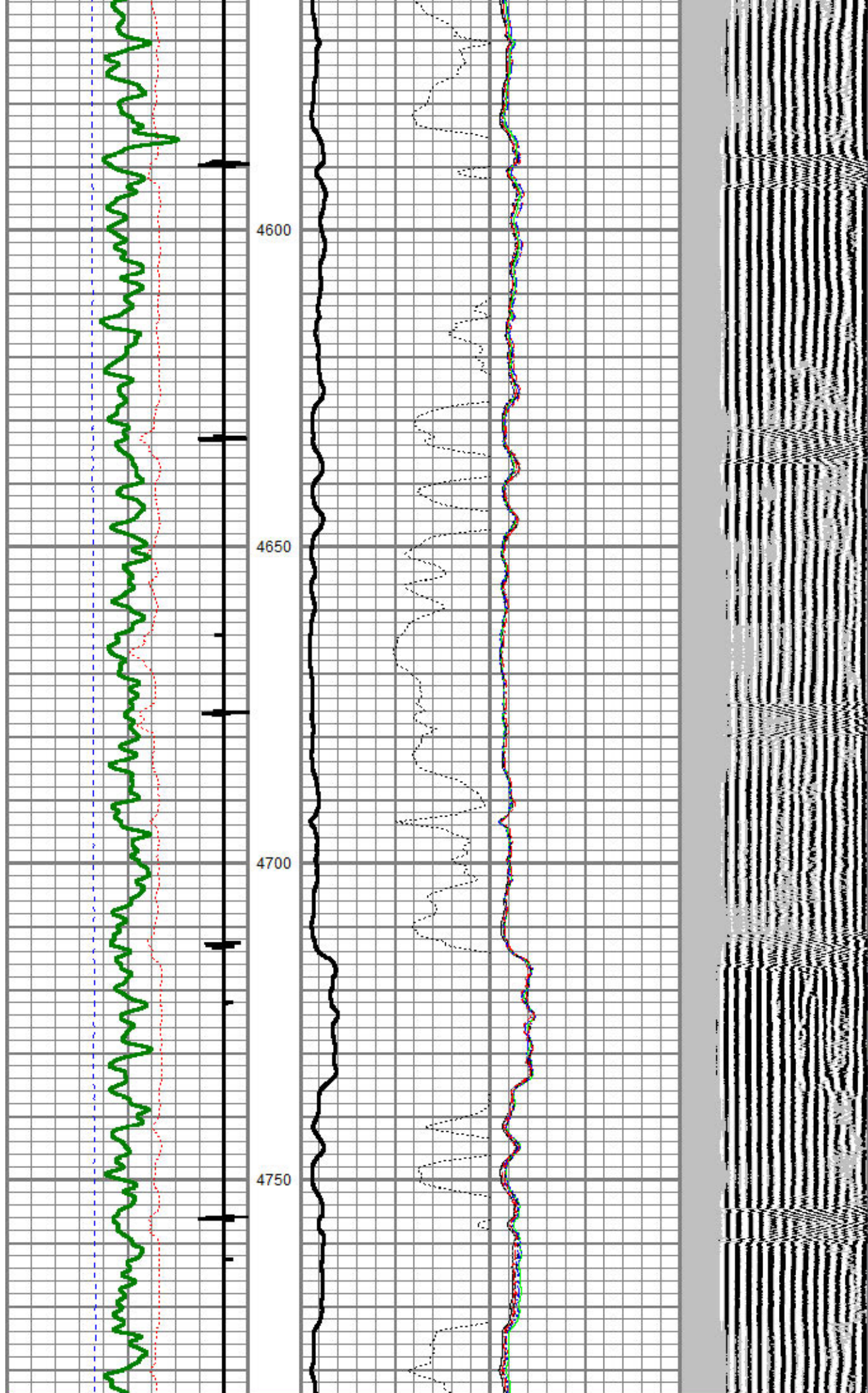


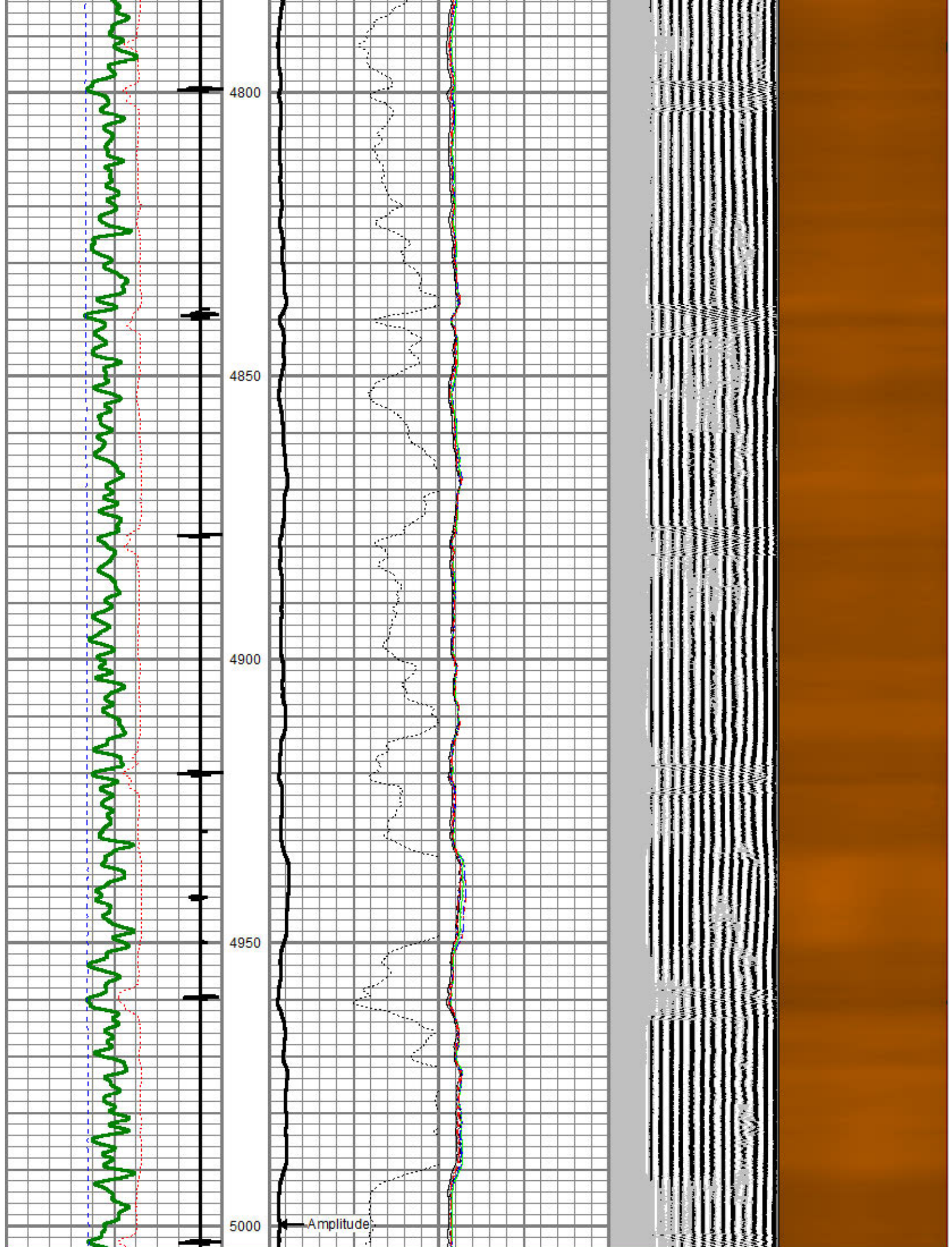


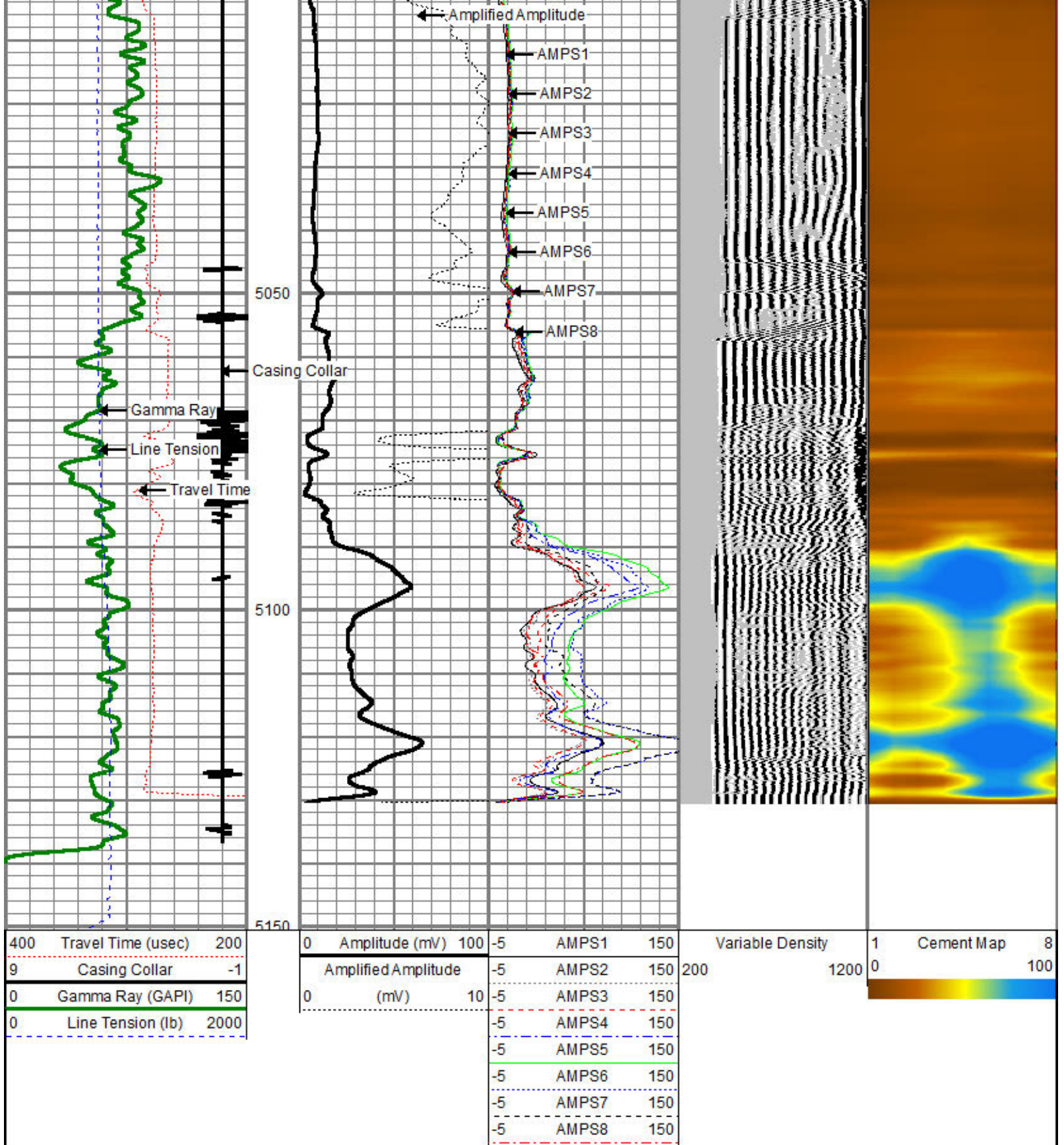








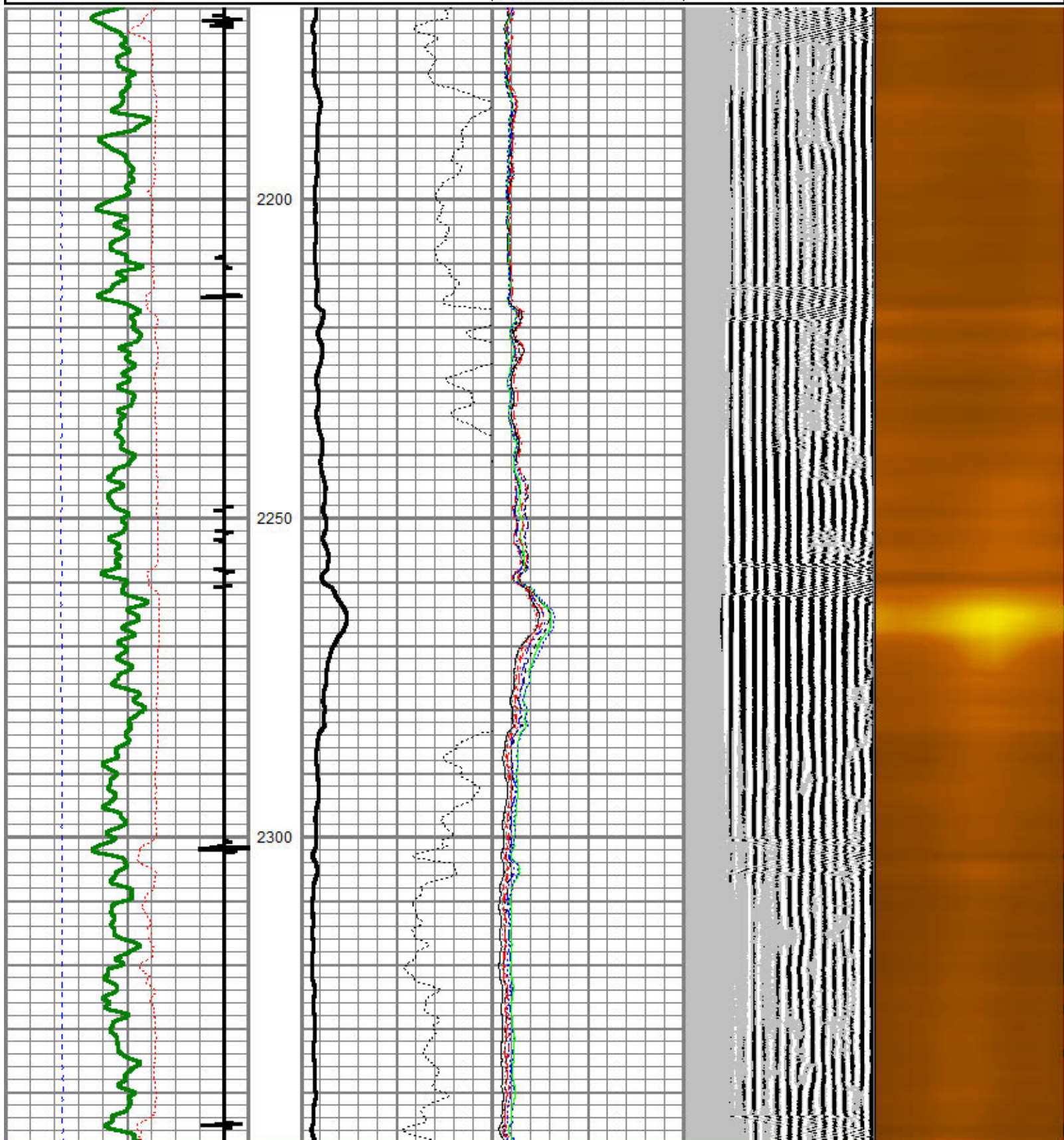


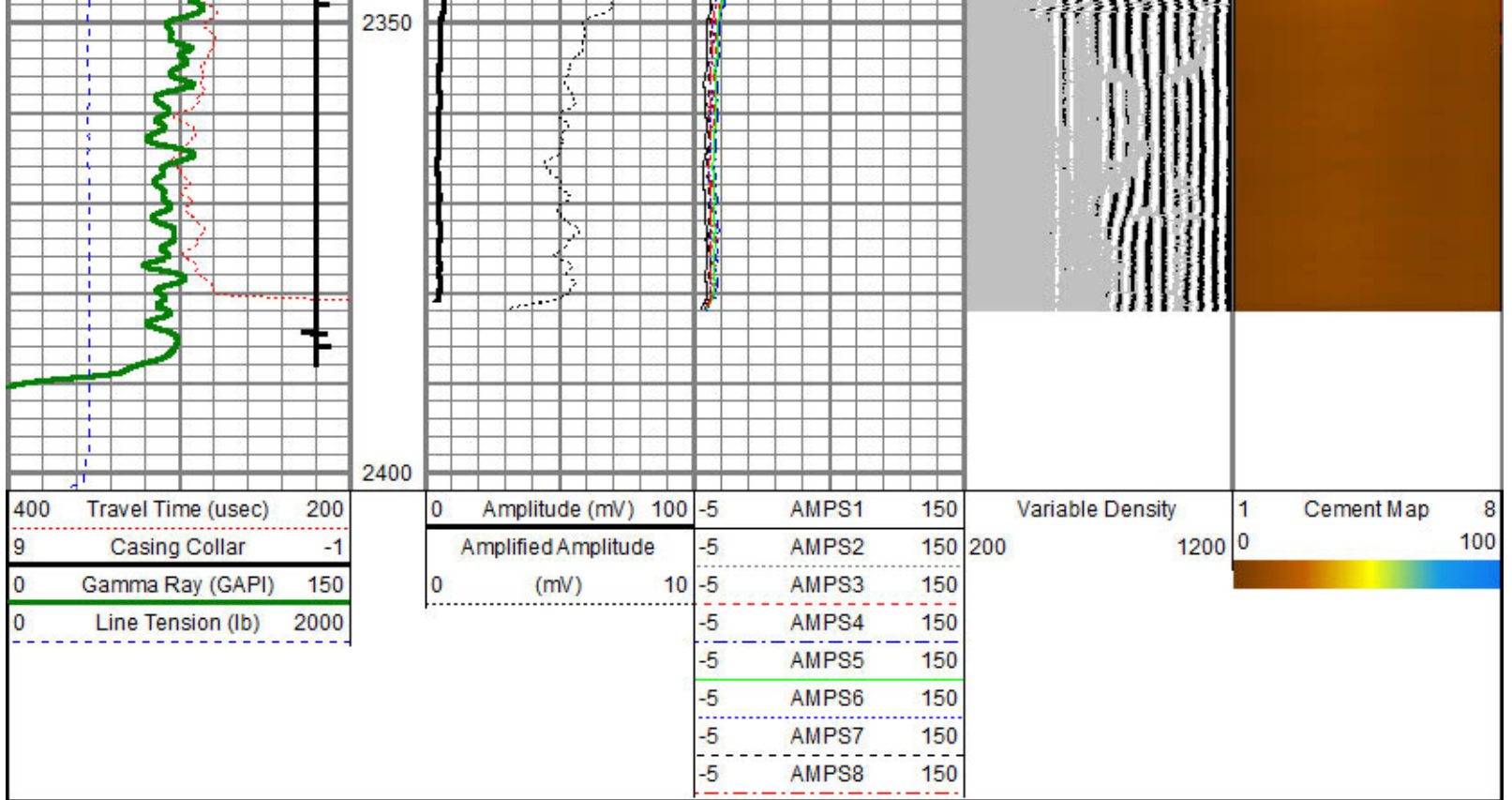


400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

0	Amplitude (mV)	100	-5	AMPS1	150
	Amplified Amplitude		-5	AMPS2	150
0	(mV)	10	-5	AMPS3	150
			-5	AMPS4	150
			-5	AMPS5	150
			-5	AMPS6	150
			-5	AMPS7	150
			-5	AMPS8	150

Variable Density		1	Cement Map	8
200	1200	0		100





Calibration Report

Database File: 2804.db
 Dataset Pathname: pass9
 Dataset Creation: Sun Jan 25 17:14:57 2015 by Log 0

40 Arm Multi Sensor Caliper Calibration Report

Serial Number: 110814
 Tool Model: 40incl
 Performed: Sat Jan 24 17:08:02 2015

Ref ID: (inches)	3.00	4.00	5.00	6.00	7.00
Arm1	1.61	2.08	2.58	3.09	3.56
Arm2	1.60	2.08	2.57	3.07	3.56
Arm3	1.60	2.06	2.57	3.08	3.54
Arm4	1.61	2.08	2.57	3.07	3.55
Arm5	1.60	2.08	2.58	3.08	3.54
Arm6	1.61	2.09	2.57	3.07	3.55
Arm7	1.62	2.10	2.58	3.08	3.54
Arm8	1.60	2.08	2.58	3.08	3.53
Arm9	1.59	2.05	2.56	3.06	3.51
Arm10	1.61	2.09	2.58	3.07	3.53
Arm11	1.60	2.07	2.58	3.08	3.52
Arm12	1.60	2.10	2.58	3.06	3.54
Arm13	1.61	2.12	2.61	3.09	3.55
Arm14	1.60	2.10	2.58	3.07	3.54
Arm15	1.59	2.09	2.58	3.07	3.53
Arm16	1.60	2.10	2.59	3.07	3.54
Arm17	1.61	2.11	2.61	3.10	3.55
Arm18	1.59	2.11	2.60	3.08	3.56
Arm19	1.61	2.11	2.61	3.12	3.56
Arm20	1.59	2.10	2.59	3.08	3.55
Arm21	1.60	2.12	2.62	3.10	3.56
Arm22	1.62	2.13	2.63	3.12	3.58
Arm23	1.62	2.13	2.63	3.12	3.58
Arm24	1.61	2.12	2.62	3.11	3.59
Arm25	1.61	2.12	2.63	3.10	3.59
Arm26	1.61	2.12	2.62	3.11	3.59
Arm27	1.61	2.11	2.62	3.12	3.58
Arm28	1.61	2.12	2.62	3.12	3.60

Arm29	1.59	2.09	2.60	3.11	3.58
Arm30	1.61	2.11	2.61	3.11	3.60
Arm31	1.62	2.12	2.62	3.12	3.60
Arm32	1.62	2.12	2.61	3.12	3.59
Arm33	1.63	2.11	2.61	3.11	3.59
Arm34	1.60	2.10	2.60	3.11	3.60
Arm35	1.60	2.07	2.59	3.10	3.57
Arm36	1.60	2.09	2.58	3.09	3.57
Arm37	1.62	2.11	2.60	3.09	3.59
Arm38	1.61	2.09	2.58	3.09	3.58
Arm39	1.61	2.07	2.58	3.09	3.57
Arm40	1.61	2.08	2.57	3.06	3.57

* = Bad Arm Flag

Inclinometer Calibration Report

Performed:	Sat Jan 24 17:34:08 2015				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-3710.00	3588.00	-1.00	1.00	gee
Y Accelerometer	-3668.00	3670.00	-1.00	1.00	gee
Z Accelerometer	15.38	3636.62	0.00	1.00	gee

Gamma Ray Calibration Report

Serial Number:	FW1311-4	
Tool Model:	Probe275	
Performed:	Sat Jan 24 17:41:23 2015	
Calibrator Value:	1022.0	GAPI
Background Reading:	71.7	cps
Calibrator Reading:	1479.2	cps
Sensitivity:	0.7261	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1408-26	
Tool Model:	RBTC3	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	59.255	ft

Master Calibration, performed Sat Jan 24 17:58:31 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.013	0.929	2.000	71.921	74.222	2.944
CAL	-0.015	1.022				
5'	-0.017	0.934	2.000	71.921	73.574	3.239
SUM						
S1	0.045	0.941	0.000	100.000	120.000	-0.563
S2	-0.011	0.945	0.000	100.000	104.590	1.149
S3	-0.012	0.935	0.000	100.000	105.598	1.275
S4	-0.018	0.929	0.000	100.000	105.666	1.873
S5	-0.016	0.928	0.000	100.000	105.964	1.674
S6	-0.012	0.930	0.000	100.000	106.113	1.269
S7	-0.011	0.931	0.000	100.000	106.117	1.193
S8	-0.017	0.938	0.000	100.000	104.654	1.787

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	-0.015	1.022	1.000	0.000

Air Zero Calibration, performed Mon Dec 15 09:56:27 2014:



	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: FW1408-26
Tool Model: RBTC3
Performed: Sun Jun 13 13:33:21 1993

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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTSC275	2.83	2.75	
WVF3FT	20.80		RBT-RBTC3 (FW1408-26)	9.25	2.75	100.00
WVFCAL	20.80					
WVFS1	20.80					
WVFS2	20.80					
WVFS3	20.80					
WVFS4	20.80					
WVFS5	20.80					
WVFS6	20.80					

WVFS6	20.80		PTS275	2.83	2.75	
WVFS7	20.80					
WVFS8	20.80					
WVF5FT	19.80					
TEMP	16.55					
CCL	13.59					
GR	12.26		GR-Probe275 (FW1311-4) Probe 2 3/4" Logging Gamma Ray	4.00	2.75	57.00
			PTS275	2.83	2.75	
ACCX	5.00					
ACCY	5.00					
ACCZ	5.00		Probe_MFCAL-40incl (110814)	6.89	2.75	50.00
ETEMP	2.00					
Meas	1.25					
Dataset: 2804.db: field/well/run1/pass9 Total Length: 28.64 ft Total Weight: 207.00 lb O.D.: 3.71 in						

	Company WHITING PETOLEUM
	Well RAZOR 33M-2804
	Field WILDCAT
	County WELD
	State COLORADO