



**SECTOR CEMENT BOND
GAMMA RAY
CCL LOG**

Comp. BAYSWATER EXPLOR. & PROD.
Well 6X-HNB-16-07-65
Field WATTENBERG
Co. WELD
State COLORADO

Company **BAYSWATER EXPLOR. & PROD.**
Well **6X-HNB-16-07-65**
Field **WATTENBERG**
County **WELD** State **COLORADO**

Location: API #: 05-123-49463
1124' FSL & 541' FWL
SEC 17 TWP 7N RGE 65W
Permanent Datum GL Elevation 4906'
Log Measured From GL 0' Above Perm. Datum
Drilling Measured From KB
Other Services
NONE
Elevation
K.B. N/A
D.F. N/A
G.L. 4906'

Date of Service	20-MAR-2023
Run Number	ONE
Depth Driller or PBTD	N/A
Depth Logger	8190'
Bottom Log Interval	8180'
Top Log Interval	SURFACE
Open Hole Size	8-1/2"
Type Fluid	H2O
Fluid Level	SURFACE
Fluid Density	N/A
Max. Recorded Temperature	231 DEG. F.
Max. Wellhead Pressure	ZERO PSI
Wellhead Connection	OPEN
Estimated Cement Top	1764'
Unit Number	1007
Wireline Size	9/32"
Location	BRIGHTON
Recorded By	J. KOTT
Witnessed By	MR. KENT EVERS
Surface Casing	Size 9-5/8" W/Ft 36# Top SURFACE Bottom 1500'
Production Casing	Size 5-1/2" 20# Top SURFACE Bottom 17,892'
Liner Casing	
Tubing Record	

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All interpretations are opinions based on inferences from electrical or other measurements and Ranger Energy Services cannot and does not guarantee the accuracy or correctness of any interpretation, and Ranger Energy Services 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.


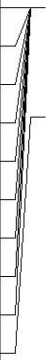
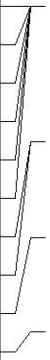

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOG CORRELATED TO GL

THANK YOU FOR USING RANGER ENERGY SERVICES! FIELD TICKET #007-535437

Your Ranger Energy Services Crew	Tool Data - Services	Serial Number
Engineer: J. KOTT Operator: B. HECHT Operator: C. PROPST Operator:		

Quantity	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GCT_FMWR	17.30						
mSec_Count	17.30						
RBT_Status	17.30						
Error_Ct	17.30						
RBT_HV	17.30						
WVFS8	12.80			RBT8-RADII-275C (RBT275C_Base) Probe 2.75" RADII 8 Sector Bond Tool	8.75	2.75	
WVFS7	12.80						
WVFS6	12.80						
WVFS5	12.80						
WVFS4	12.80						
WVFS3	12.80						
WVFS2	12.80						
WVFS1	12.80						
WVF3FT	12.80						
WVF5FT	11.80						
RBT_ACCZ	8.55						
RBT_ACCY	8.55						
RBT_ACCX	8.55						
GCT_HV	8.55						
WVFSYNC	8.55						
WVFCAL	8.55						
CCL\$2	7.31						
CCL\$1	7.31						
GCT_Temp	6.42		GCacc-GCT275-0BP0 (GCT275-0BP0_base) Probe 2.75" Gamma Ray - CCL (6 magnet) w/Temp	5.38	2.75	59.00	
GR	5.56						
GCT_IntTemp	4.83						
GCT_ACCZ	3.17						
GCT_ACCY	3.17						
GCT_ACCX	3.17						
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00	
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00	

Dataset: 1007-535437-Bayswater_Dehaan 6X-HNB-16-07-65_0512349463_20230320_SCBL-GR-CCL.db: field/well/run1/pas
 Total length: 17.30 ft
 Total weight: 84.00 lb
 O.D.: 2.75 in

Log Variables

DatabaseC:\Users\james.kott\Desktop\DEEHAN PAD\1007-535437-Bayswater_Dehaan 6X-HNB-
Dataset field/well/run1/pass4/_vars_

Top - Bottom

BOREID in 8.75	BOTTEMP degF 231	CASEOD in 5.5	CASETHCK in 0.408	CASEWGHT lb/ft 20	MAXAMPL mV 71.9	MINAMPL mV 2.2	MINATTN db/ft 0.8
PERFS No	PPT usec 261	SRFTEMP degF 28	TDEPTH ft 8180				

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

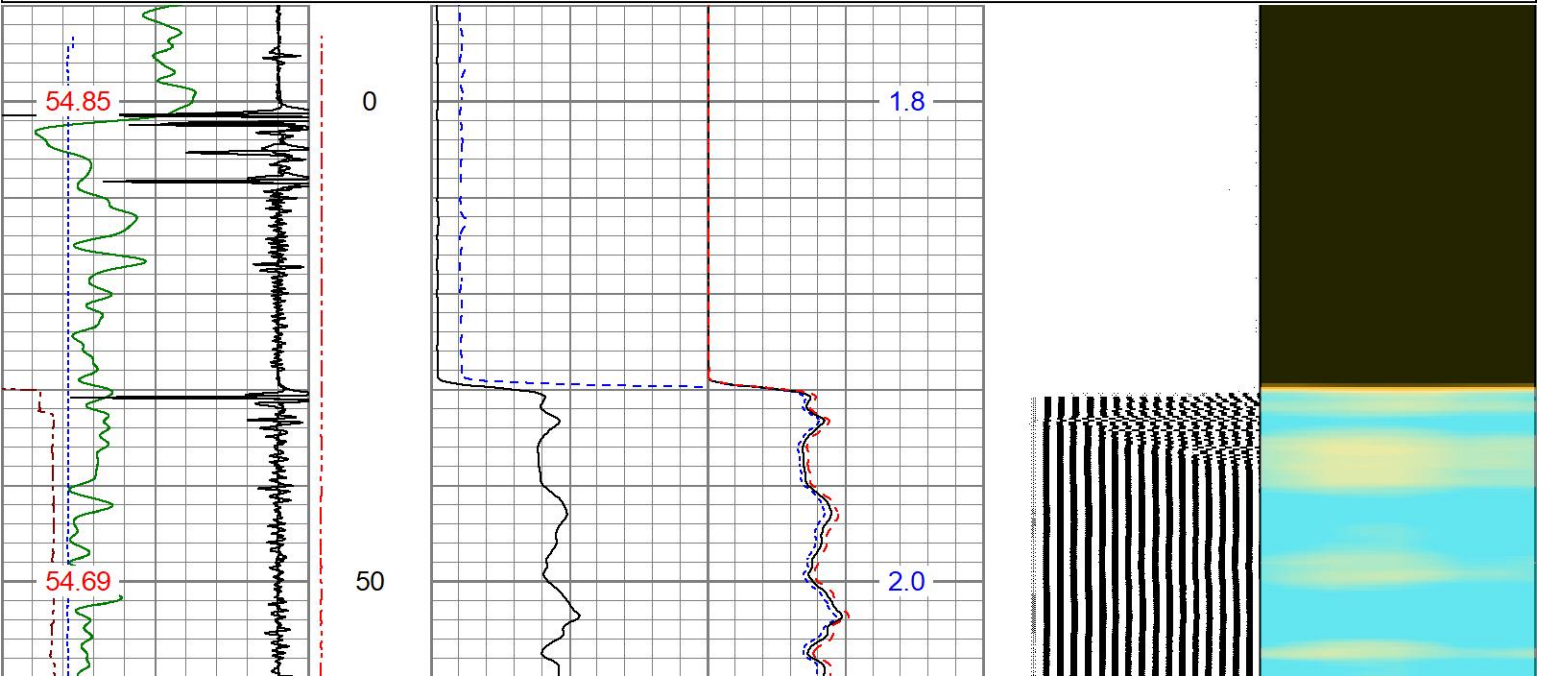


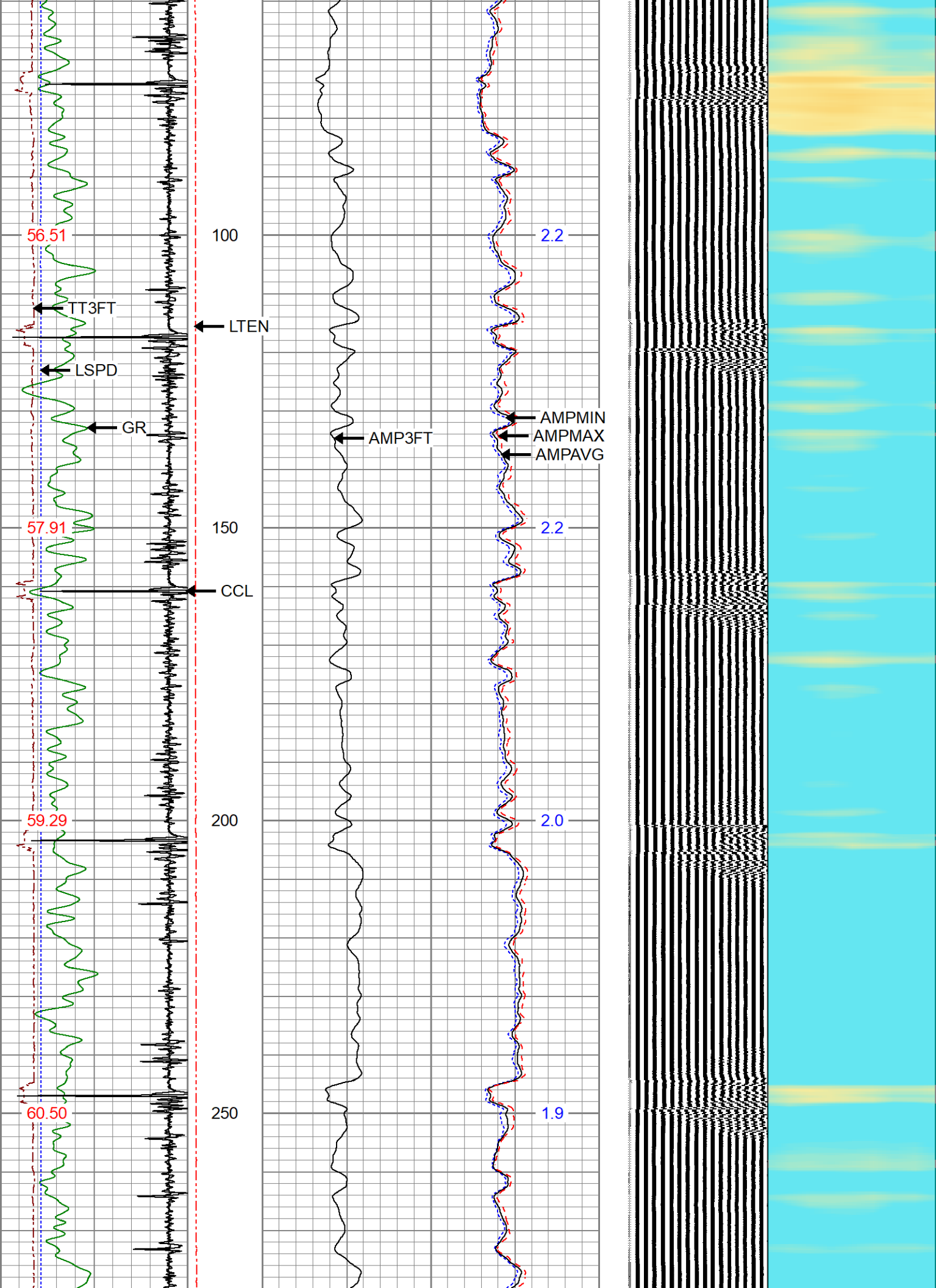
MAIN PASS

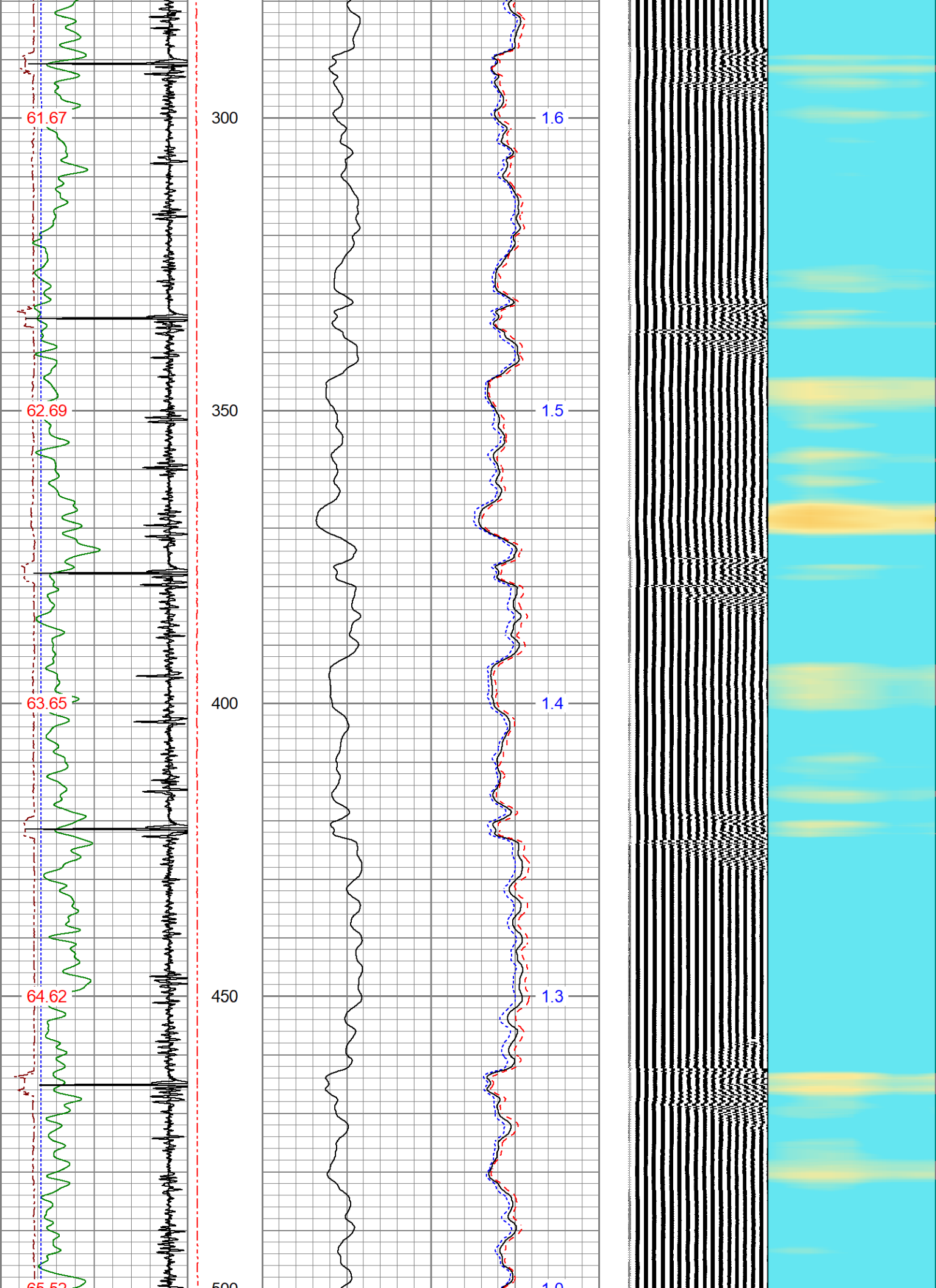
ZERO PSI APPLIED AT SURFACE

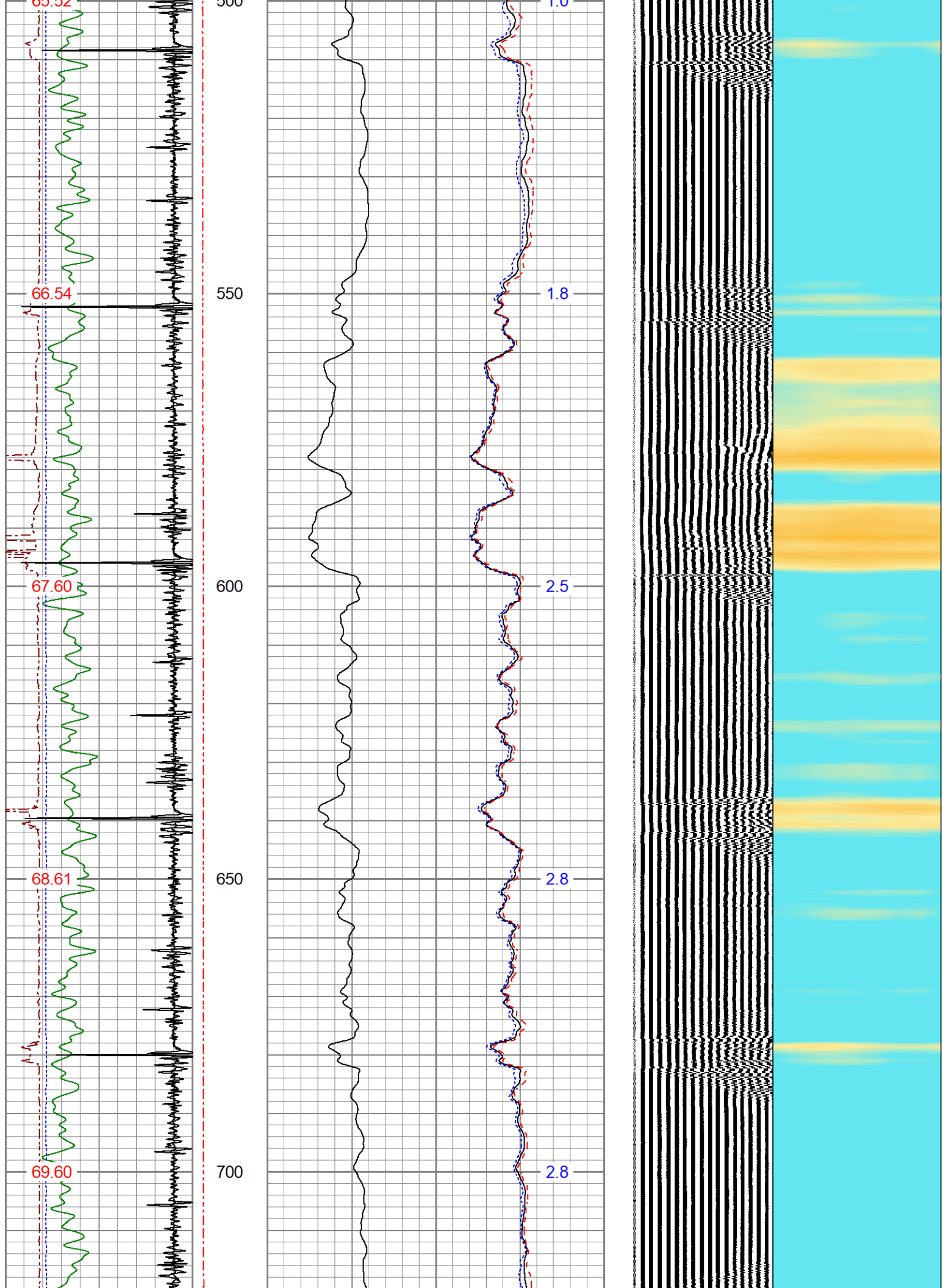
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Dataset Pathname pass4
Presentation Format res_scbl 8sec-gr-ccl
Dataset Creation Mon Mar 20 10:39:58 2023
Charted by Depth in Feet scaled 1:240

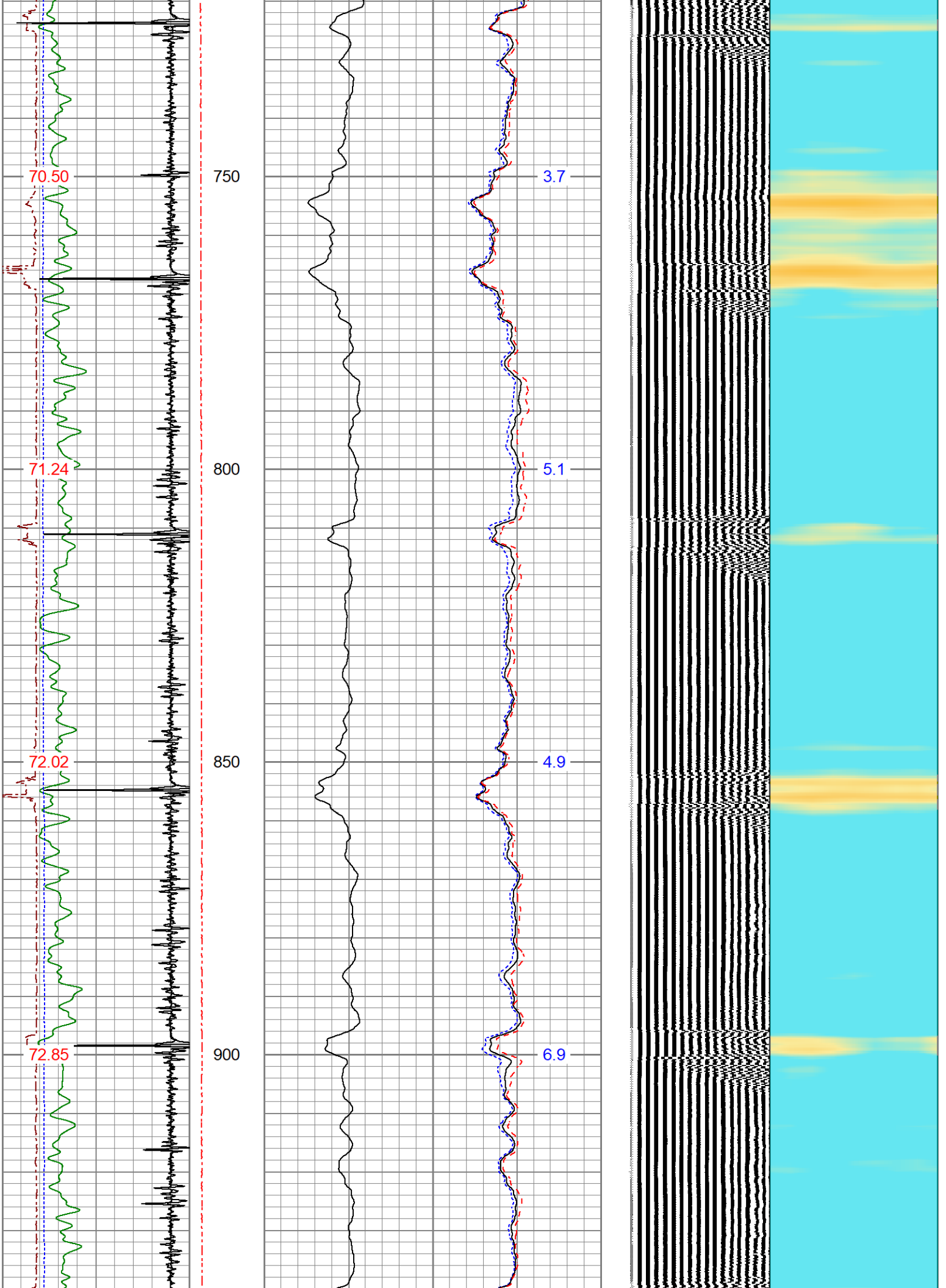
280 3FT TT (usec) 180	LTEN	3' Amplitude	0 Sector Min Amp150	200 VDL (usec) 1200	1 Sector Map 8
0 GR (GAPI) 150	(lb)	(mV) 100	Sector Avg Amp		
-150 LSPD (ft/min) 150	0 2000	3' Amplified	0 150		
-9 CCL\$1 1		Amplitude X 5	Sector Max Amp		
GCT_Temp		(mV) 20	0 150		
(degF)			DEVIATION		
			(deg)		

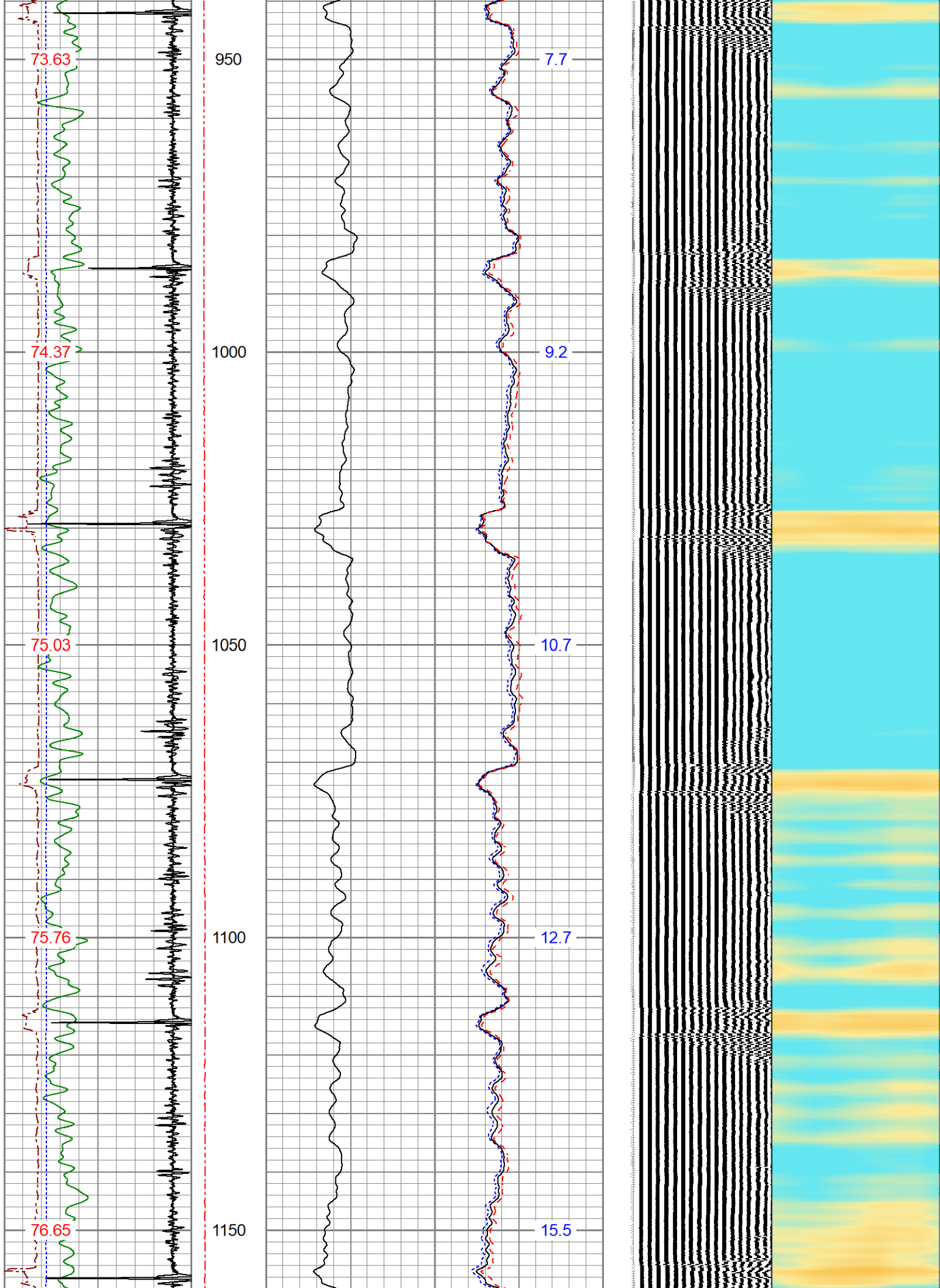


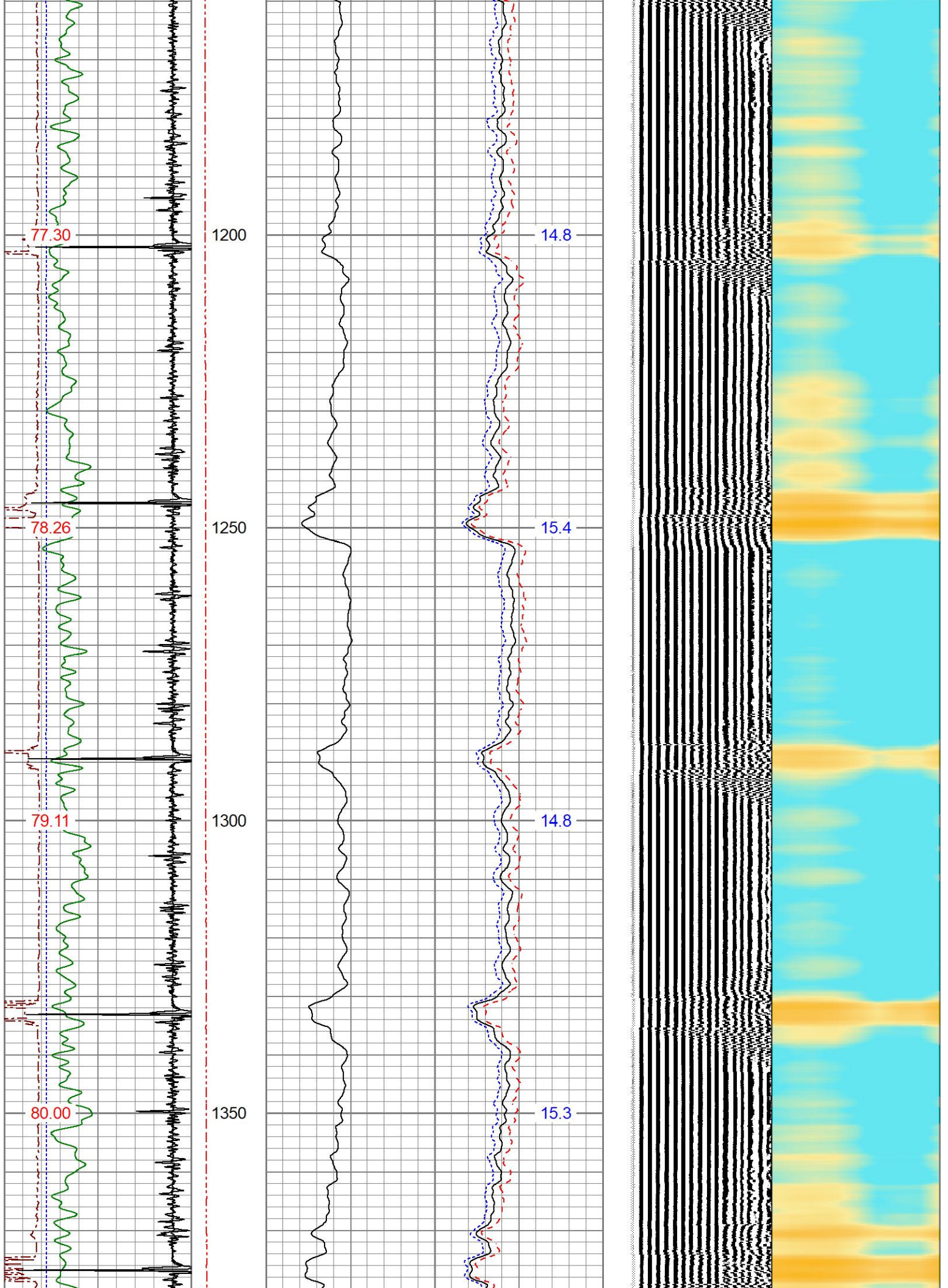


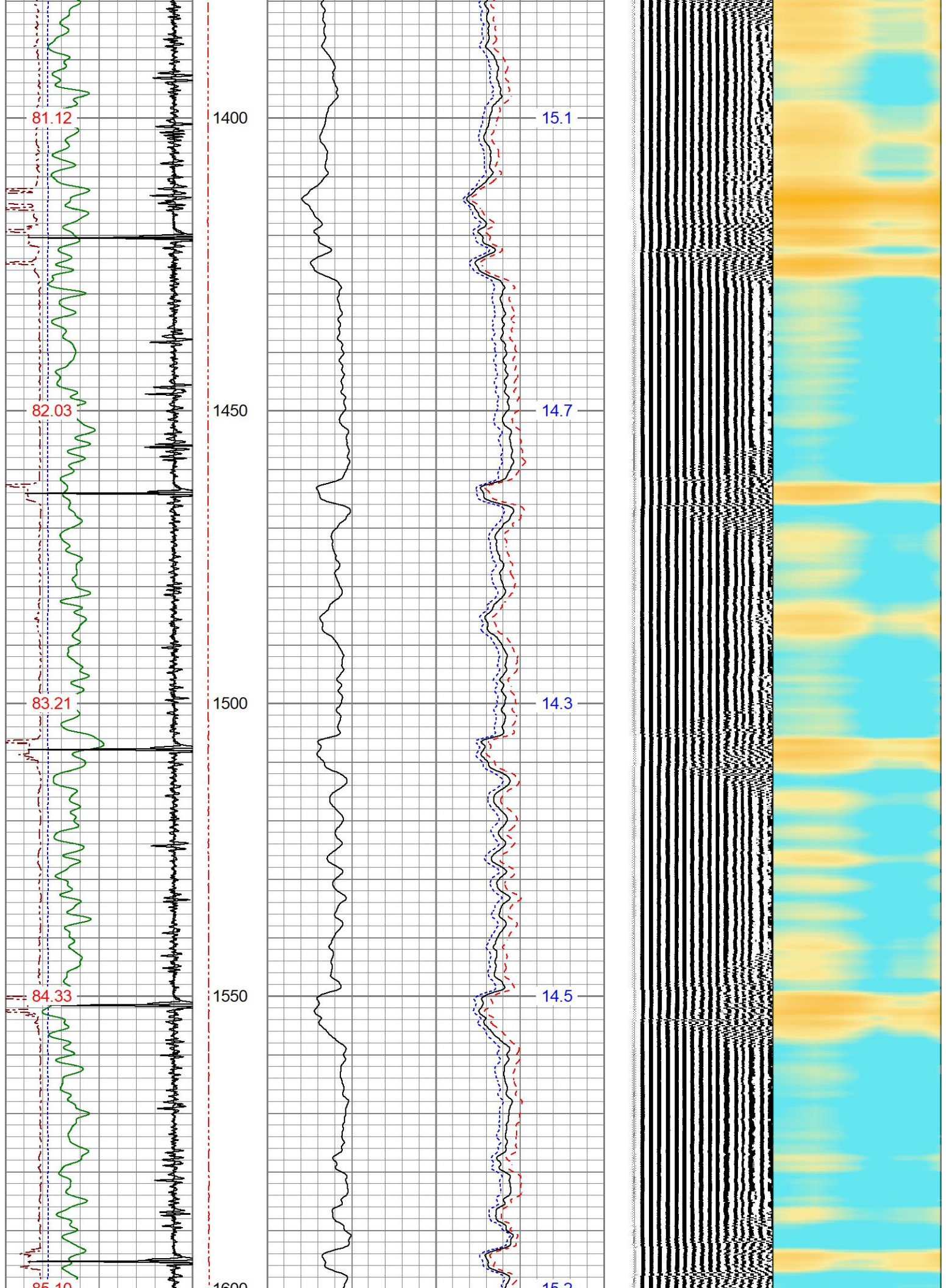


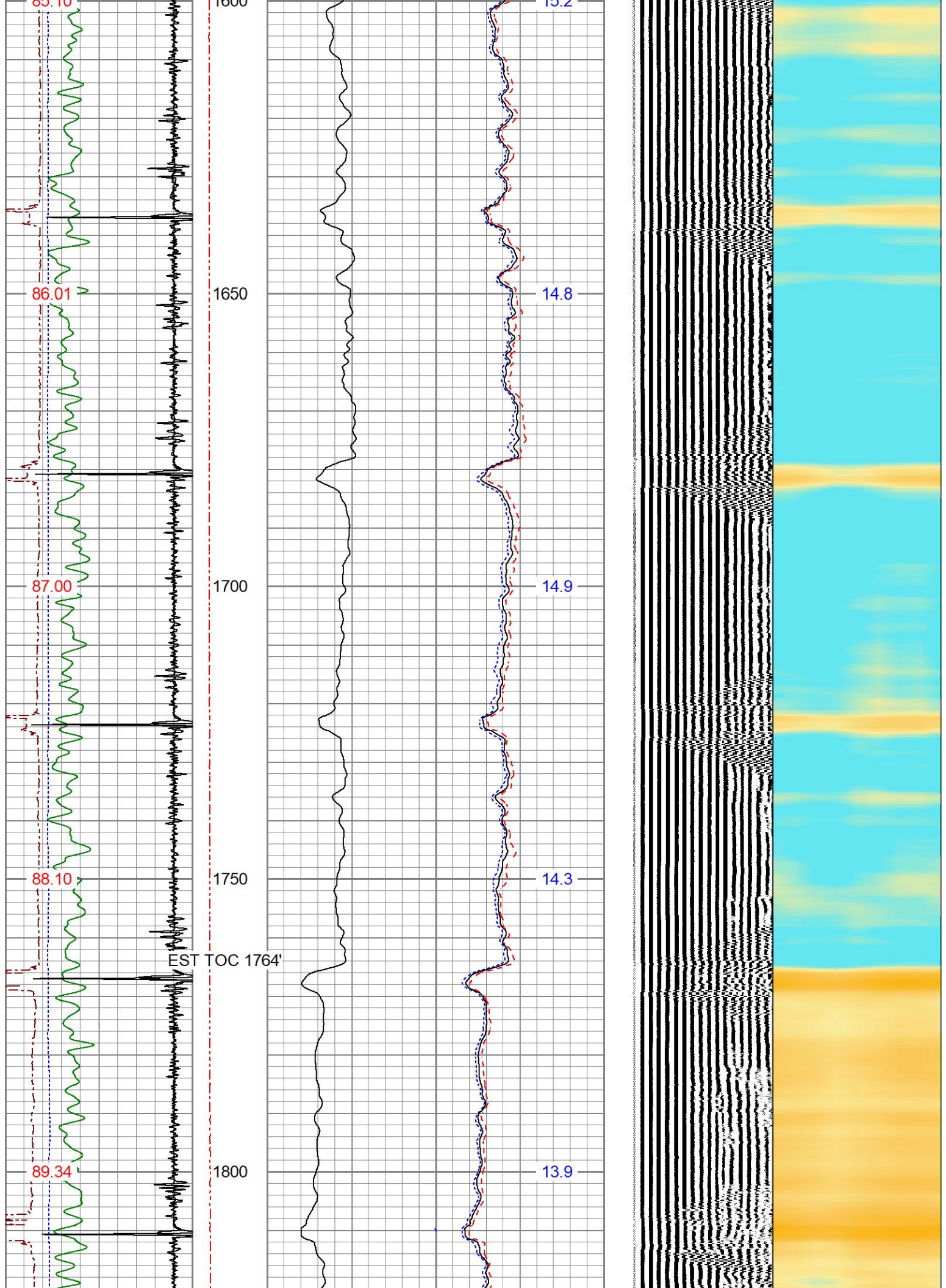


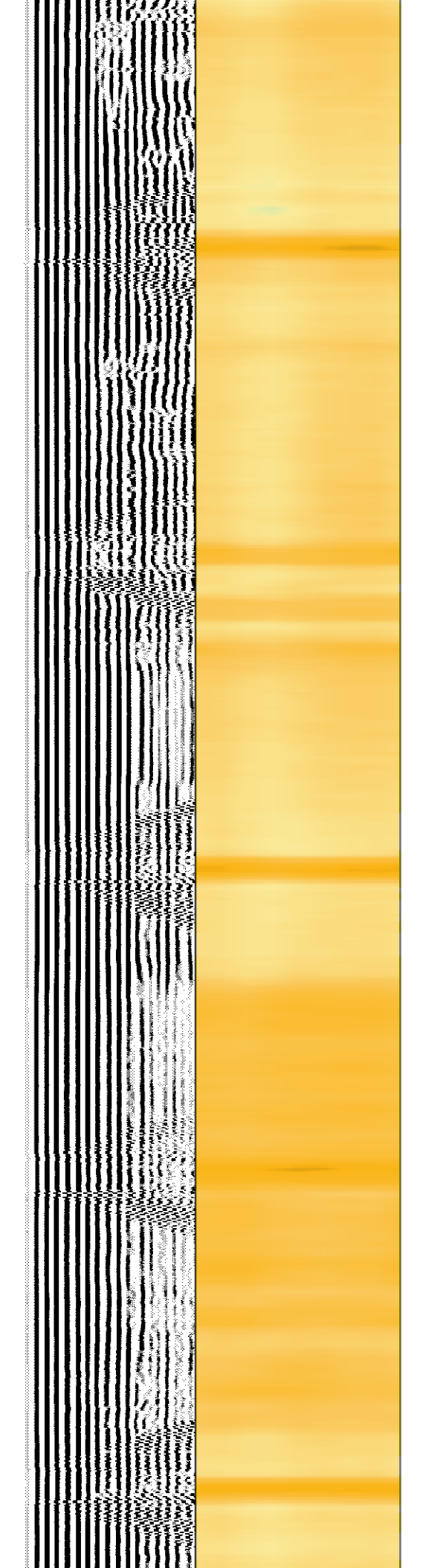
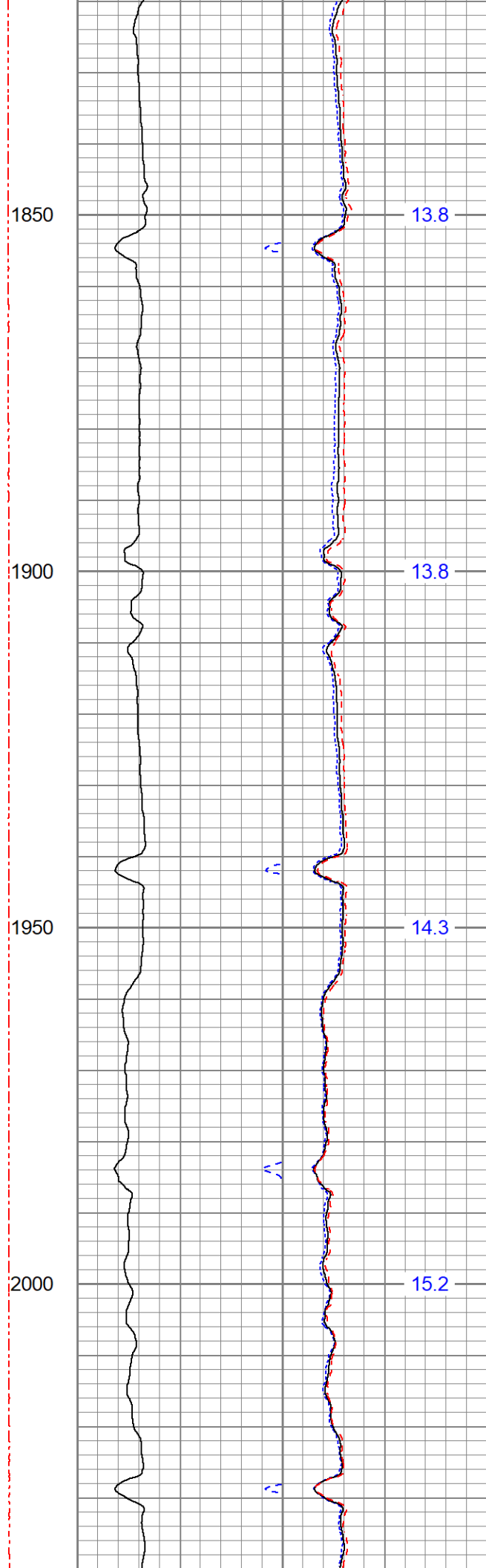
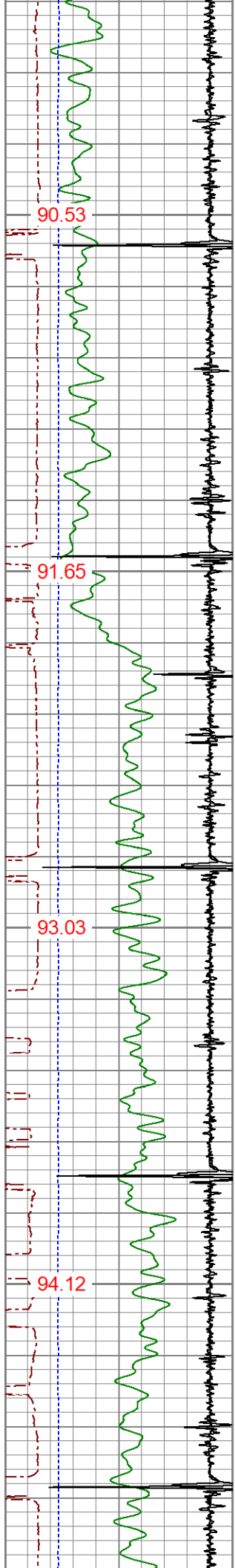


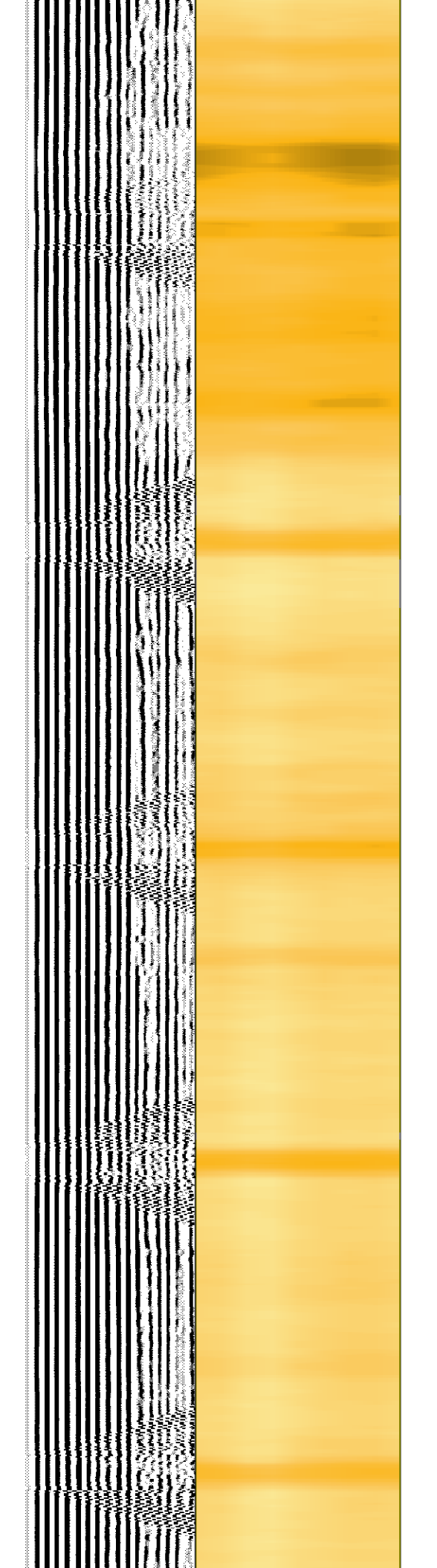
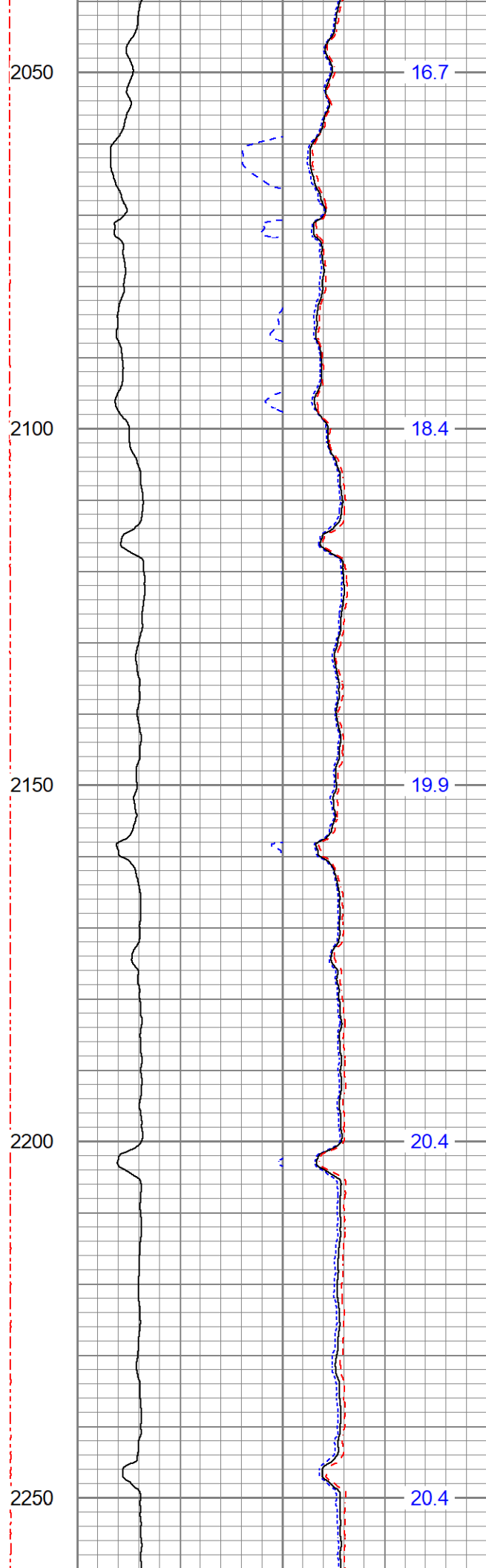
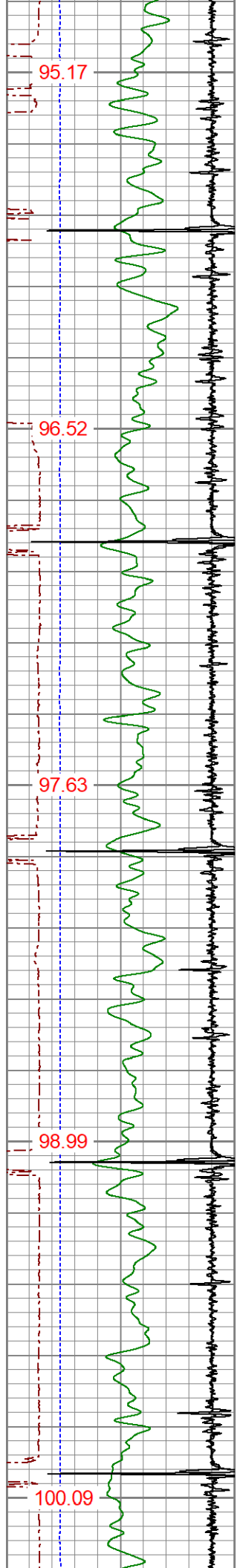


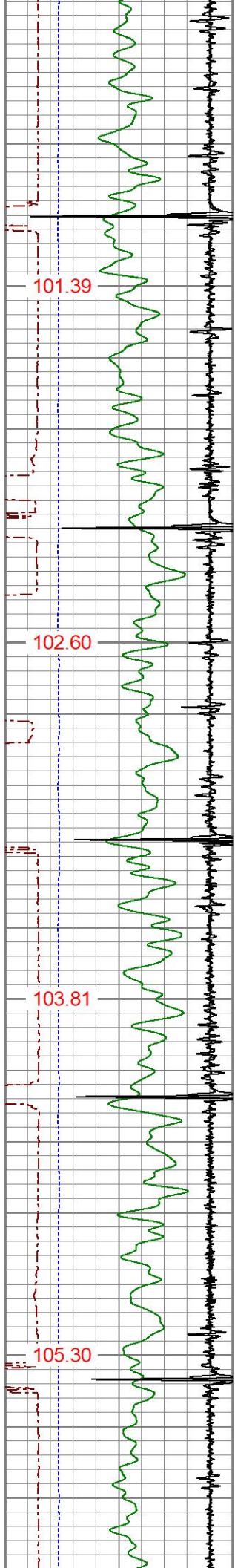




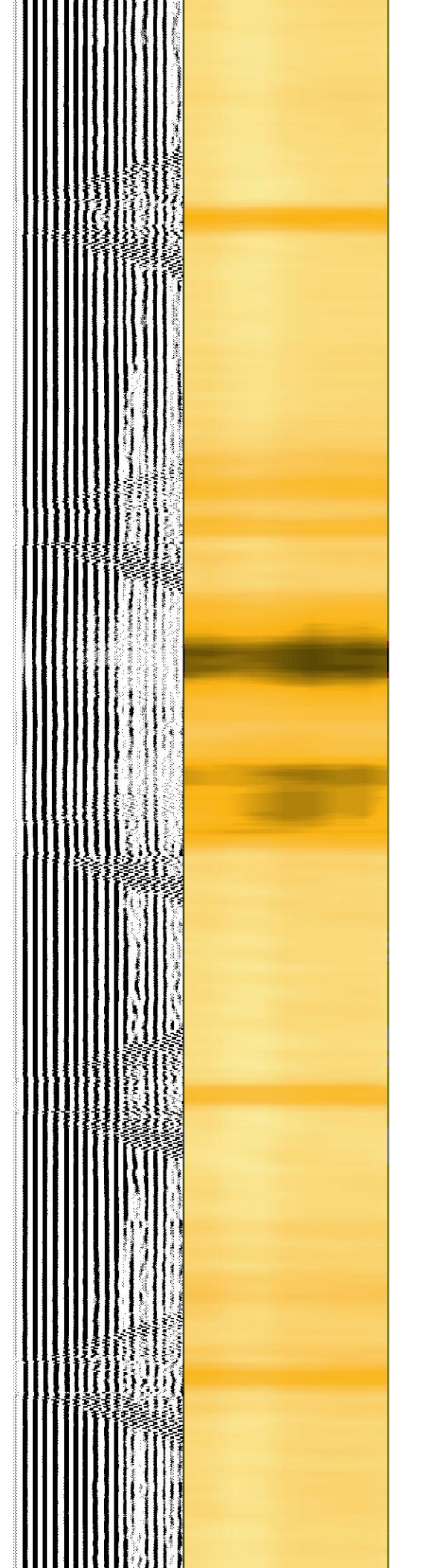
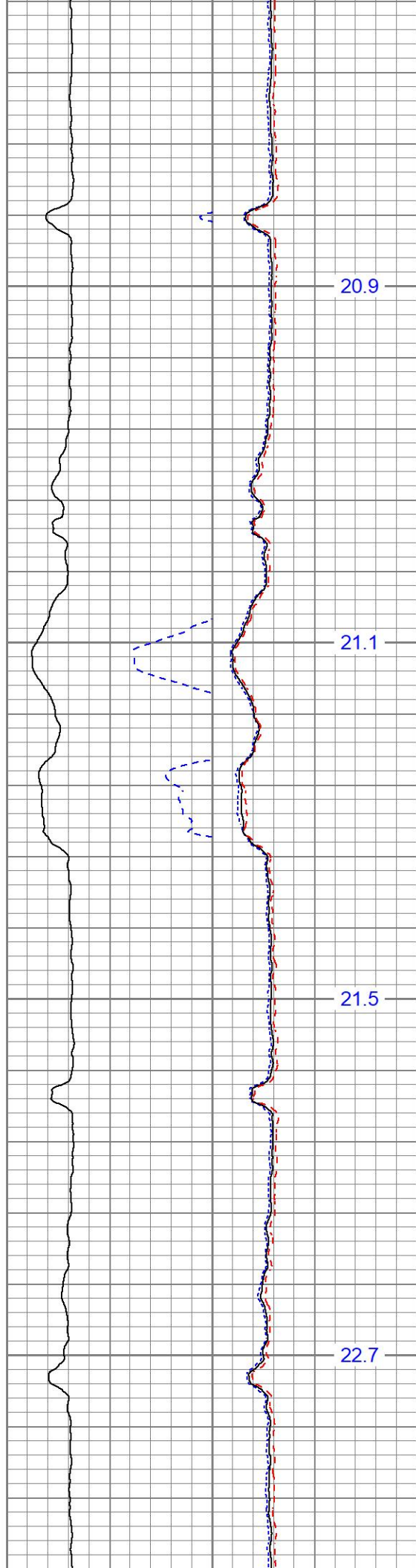


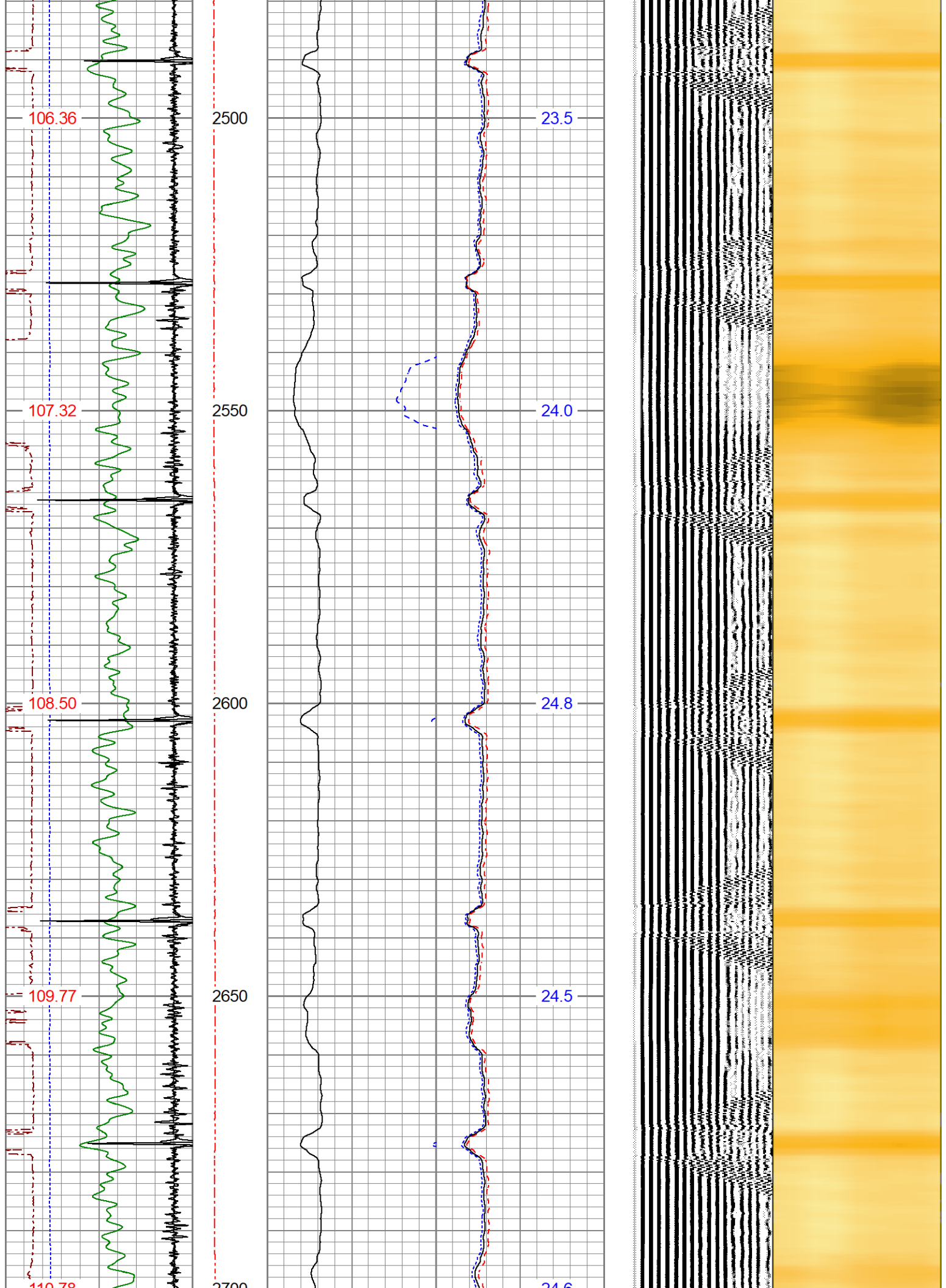


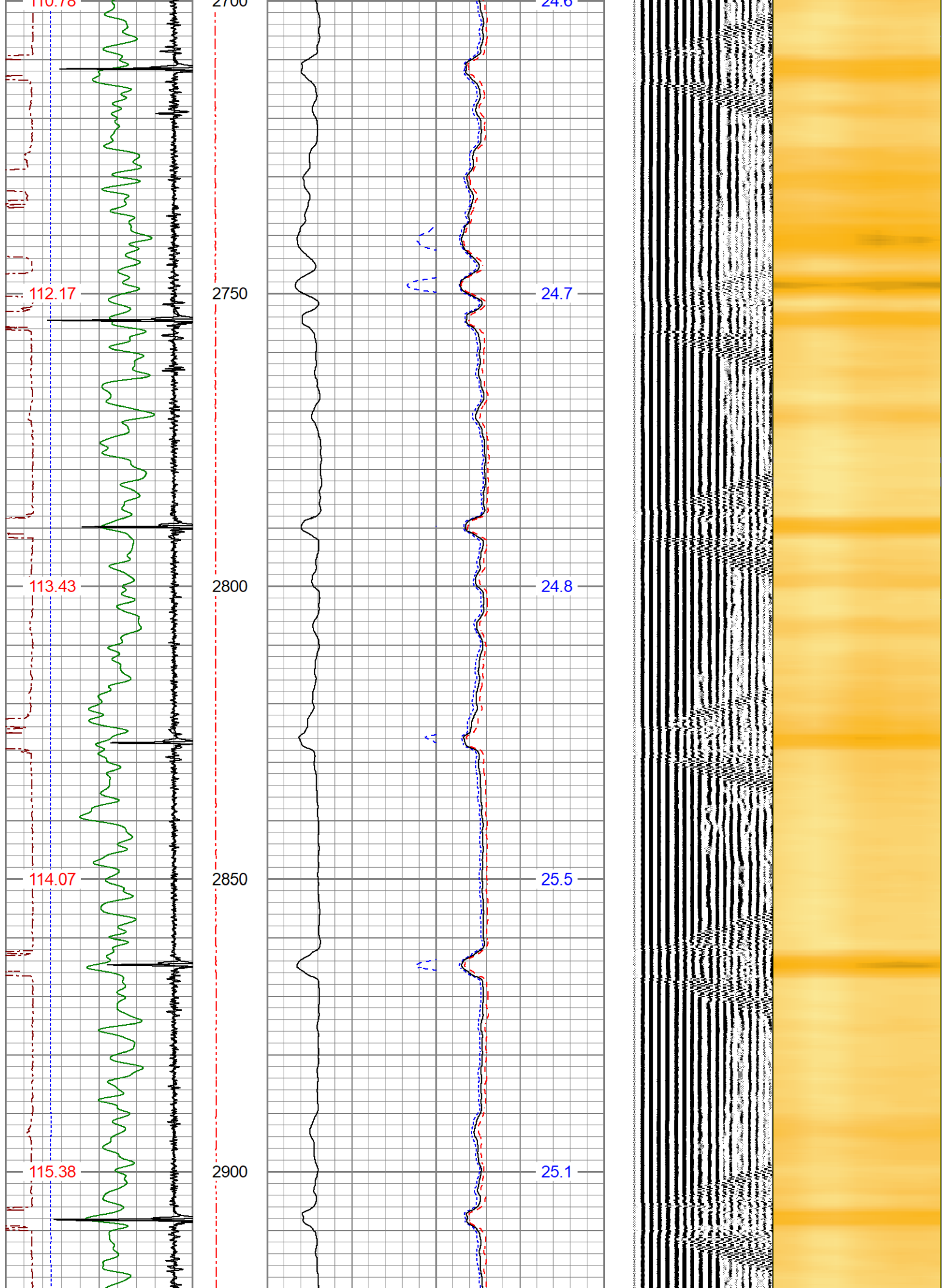


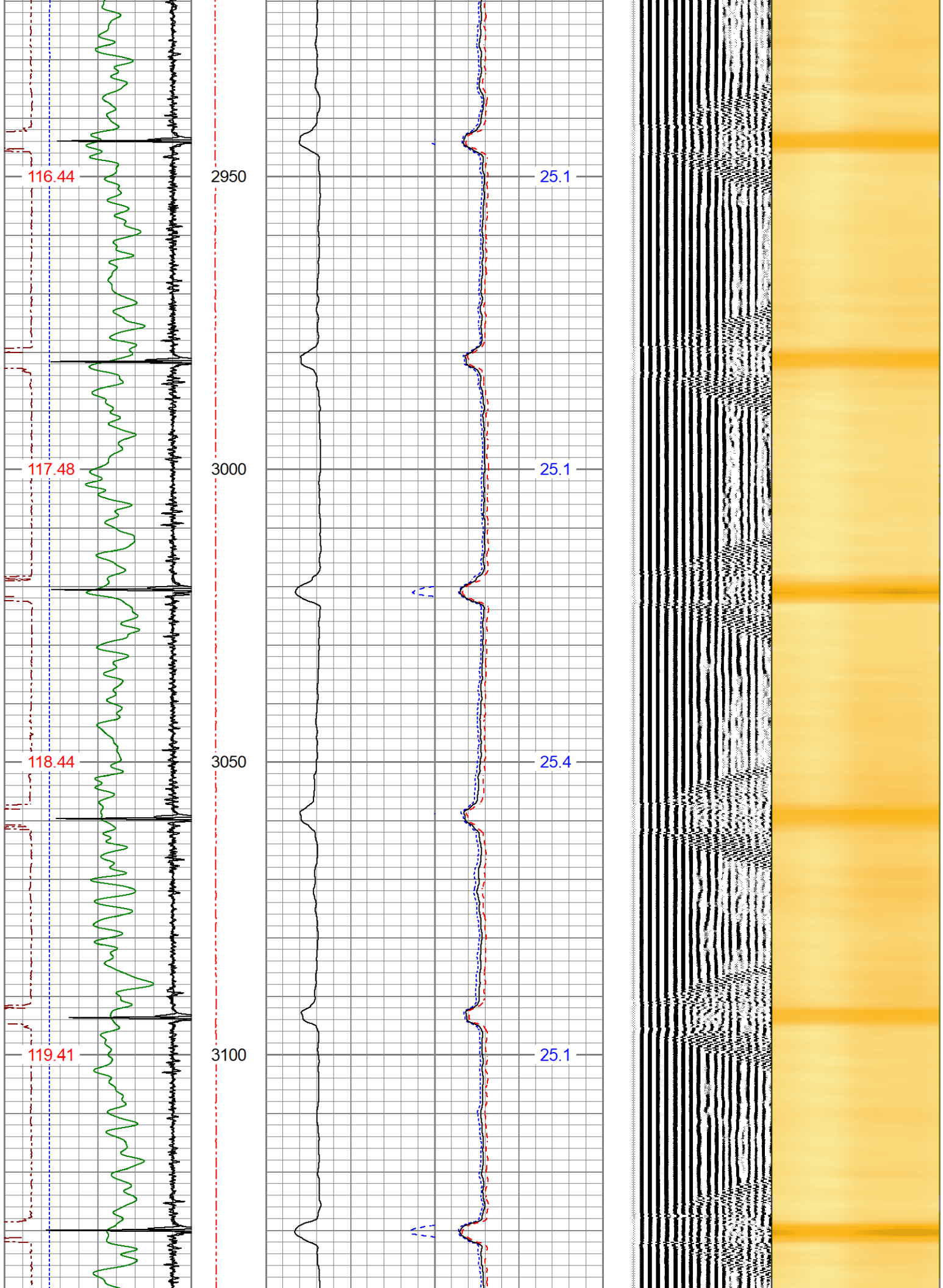


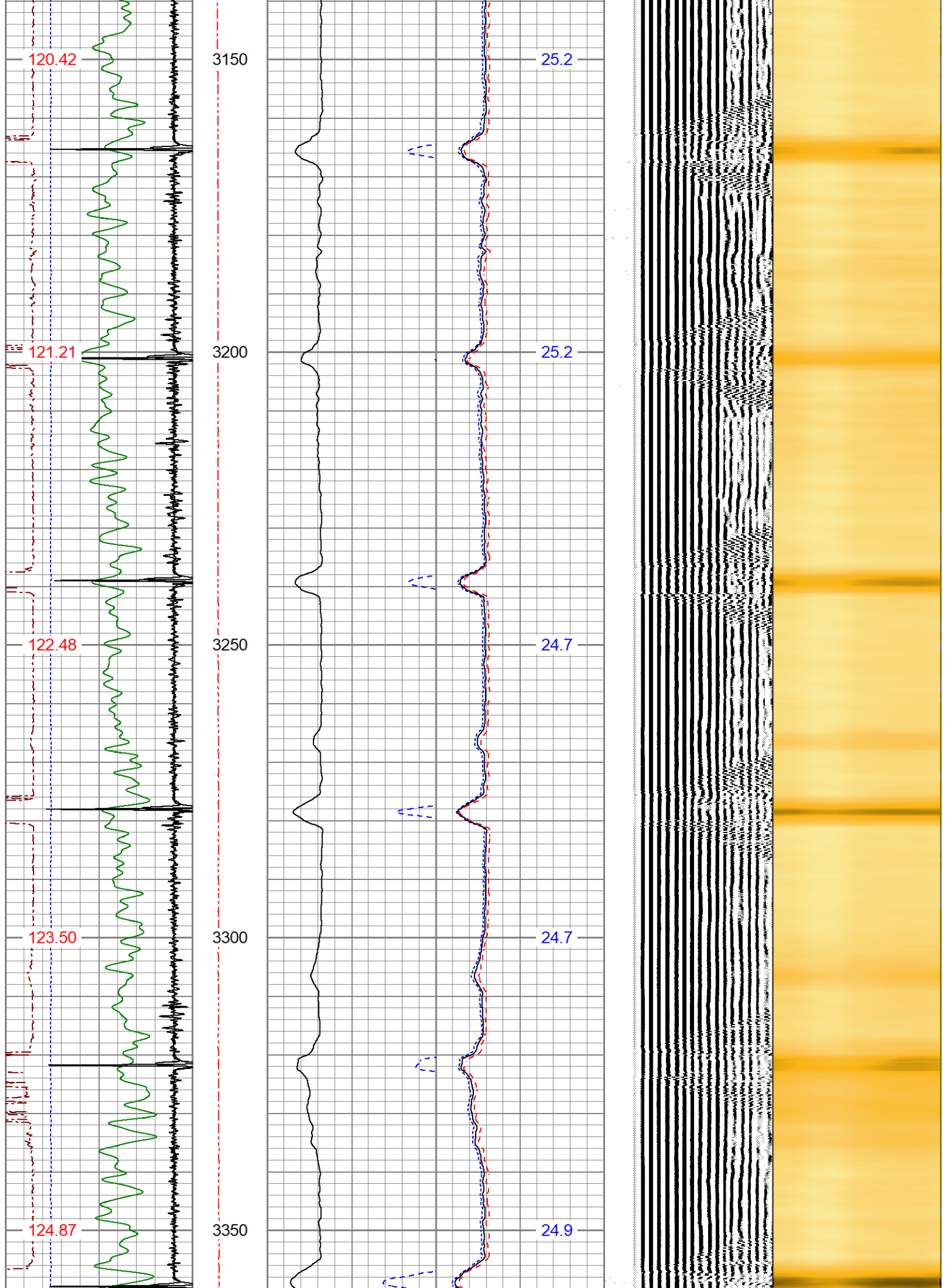
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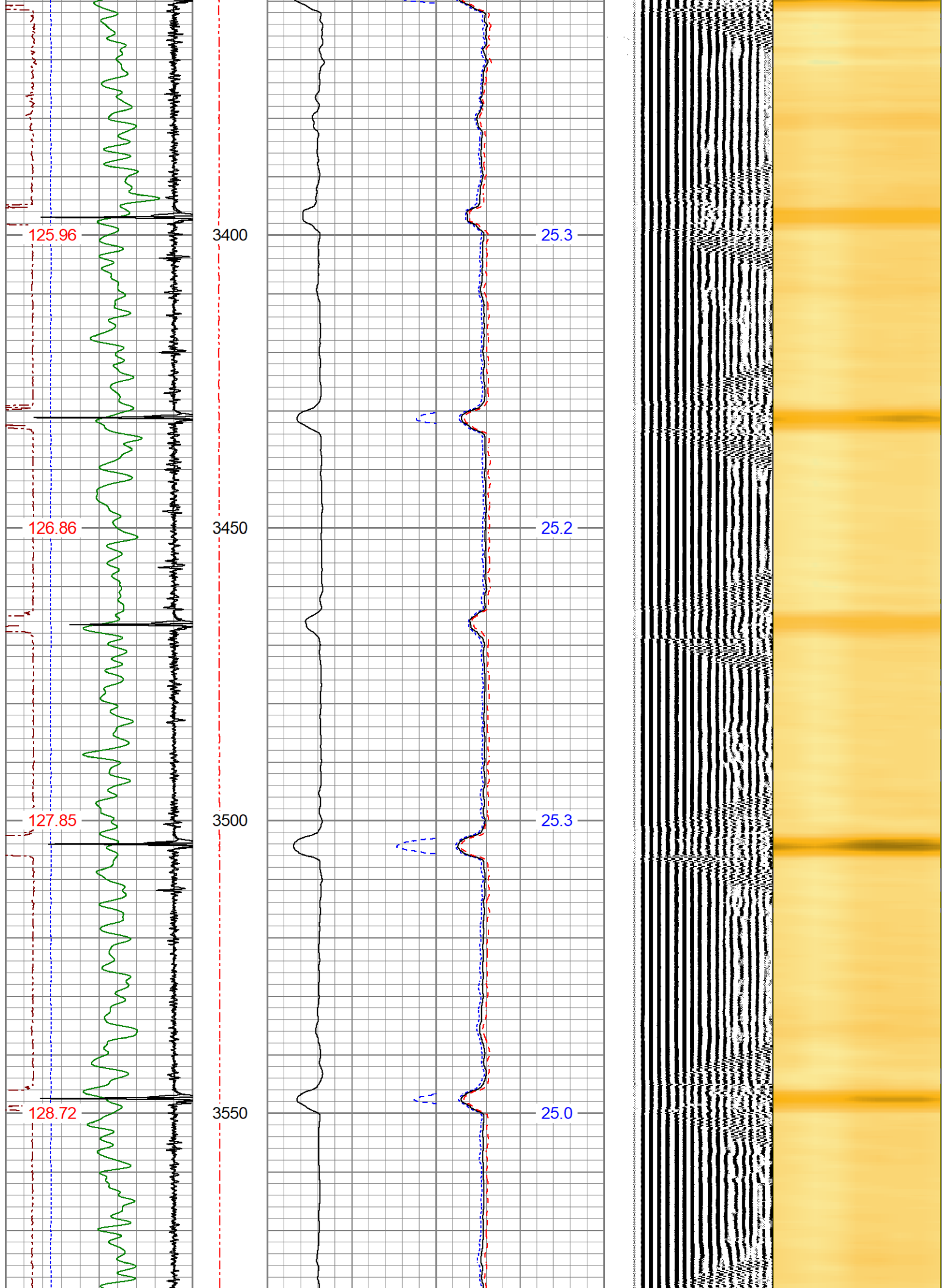


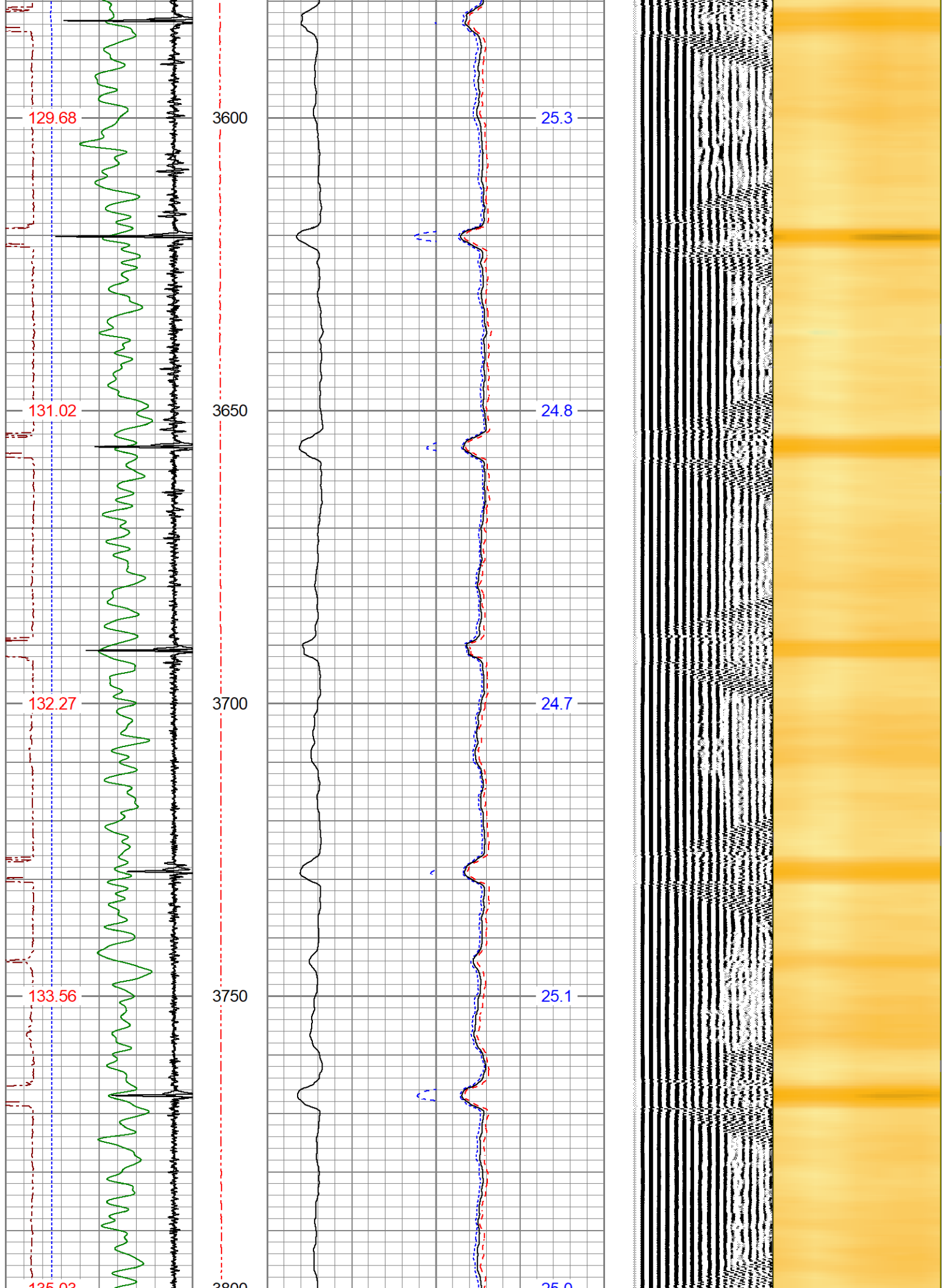


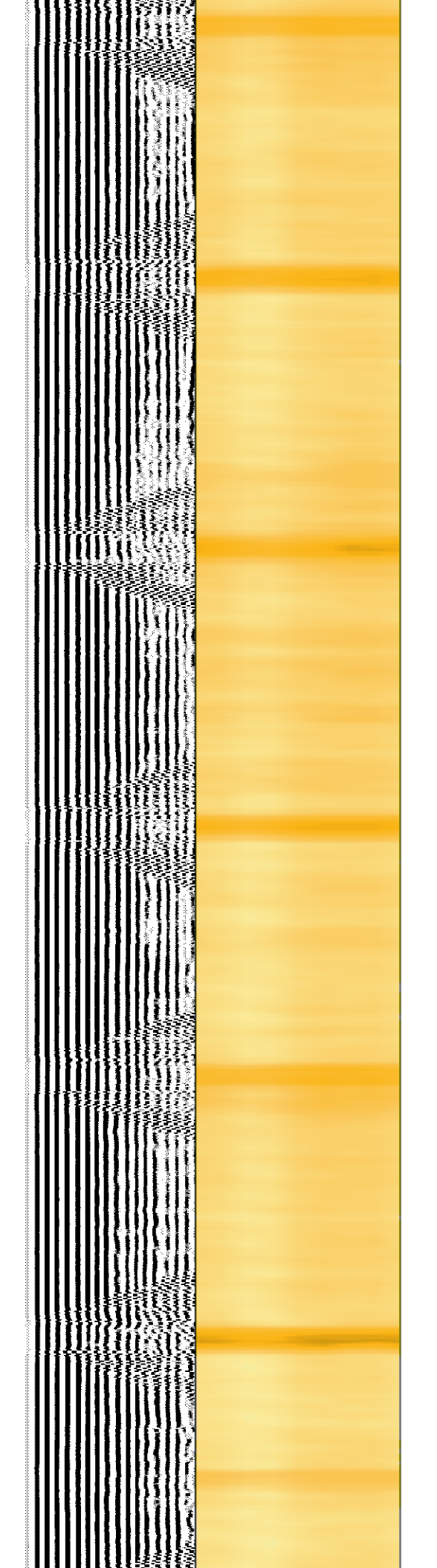
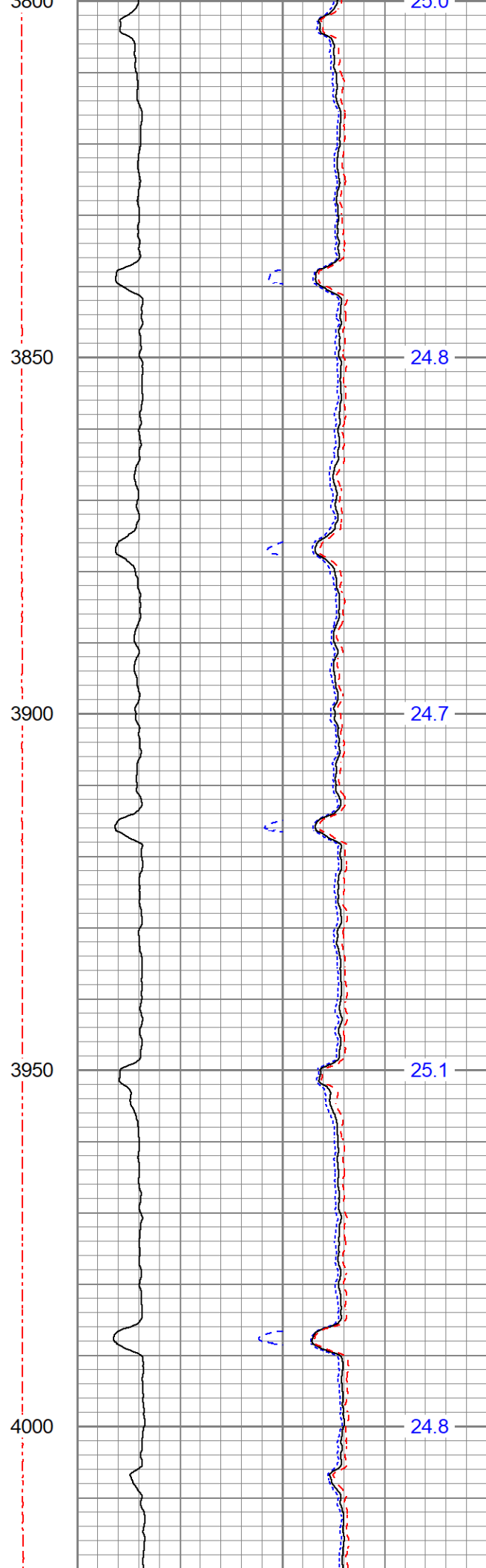
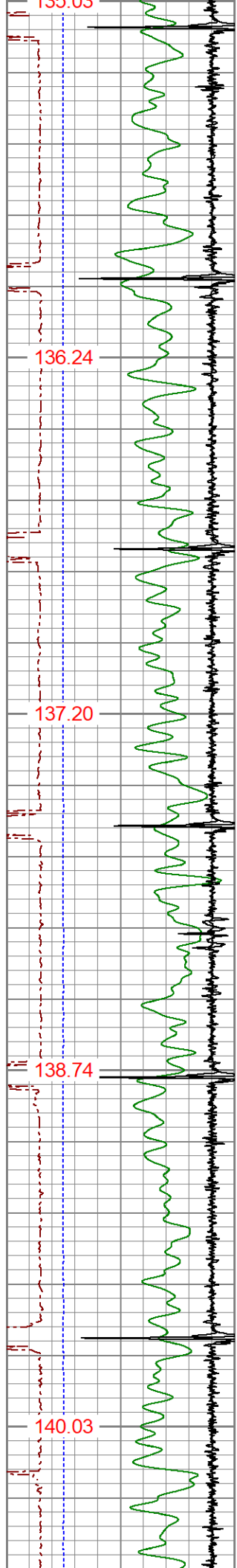


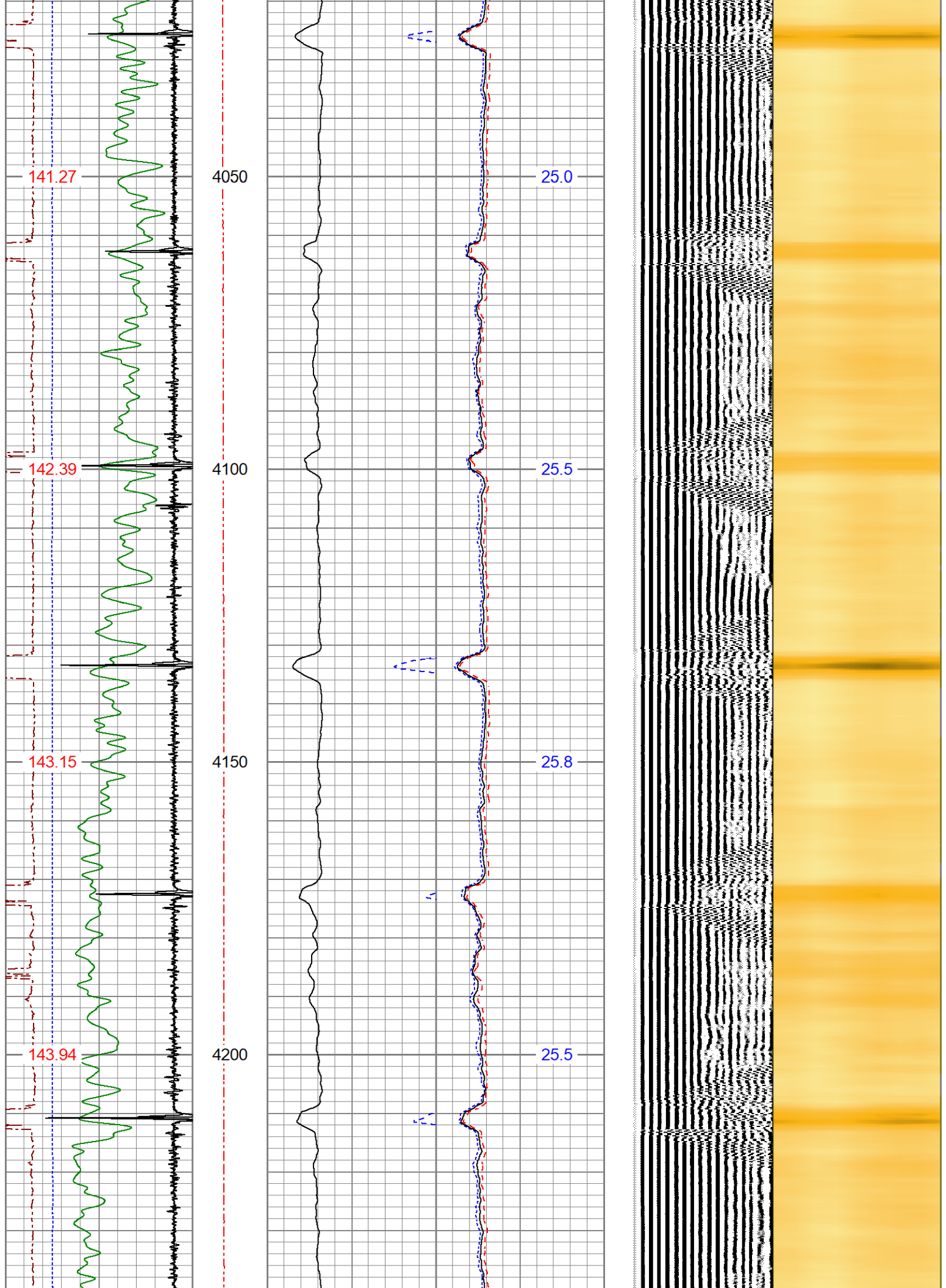


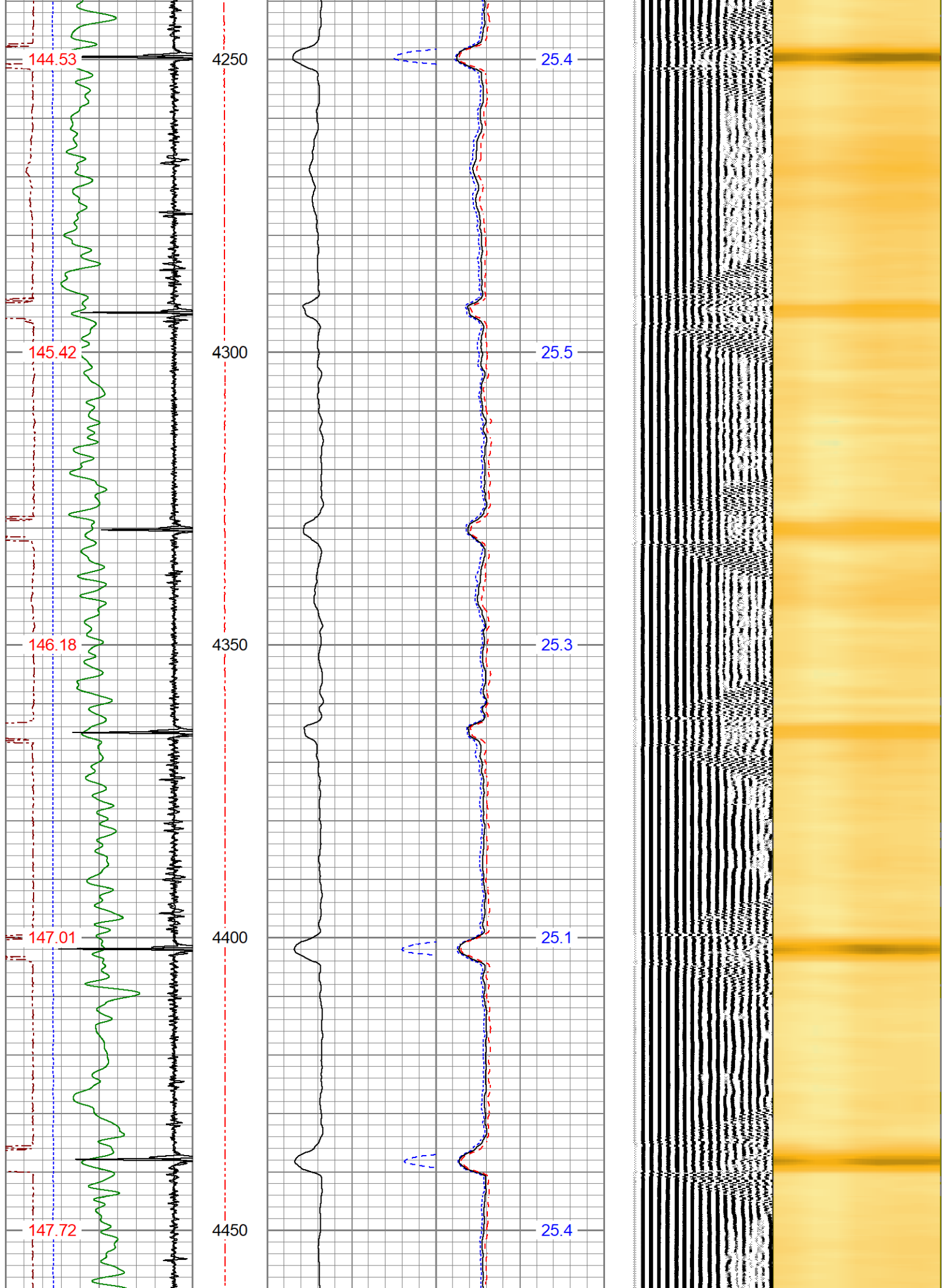


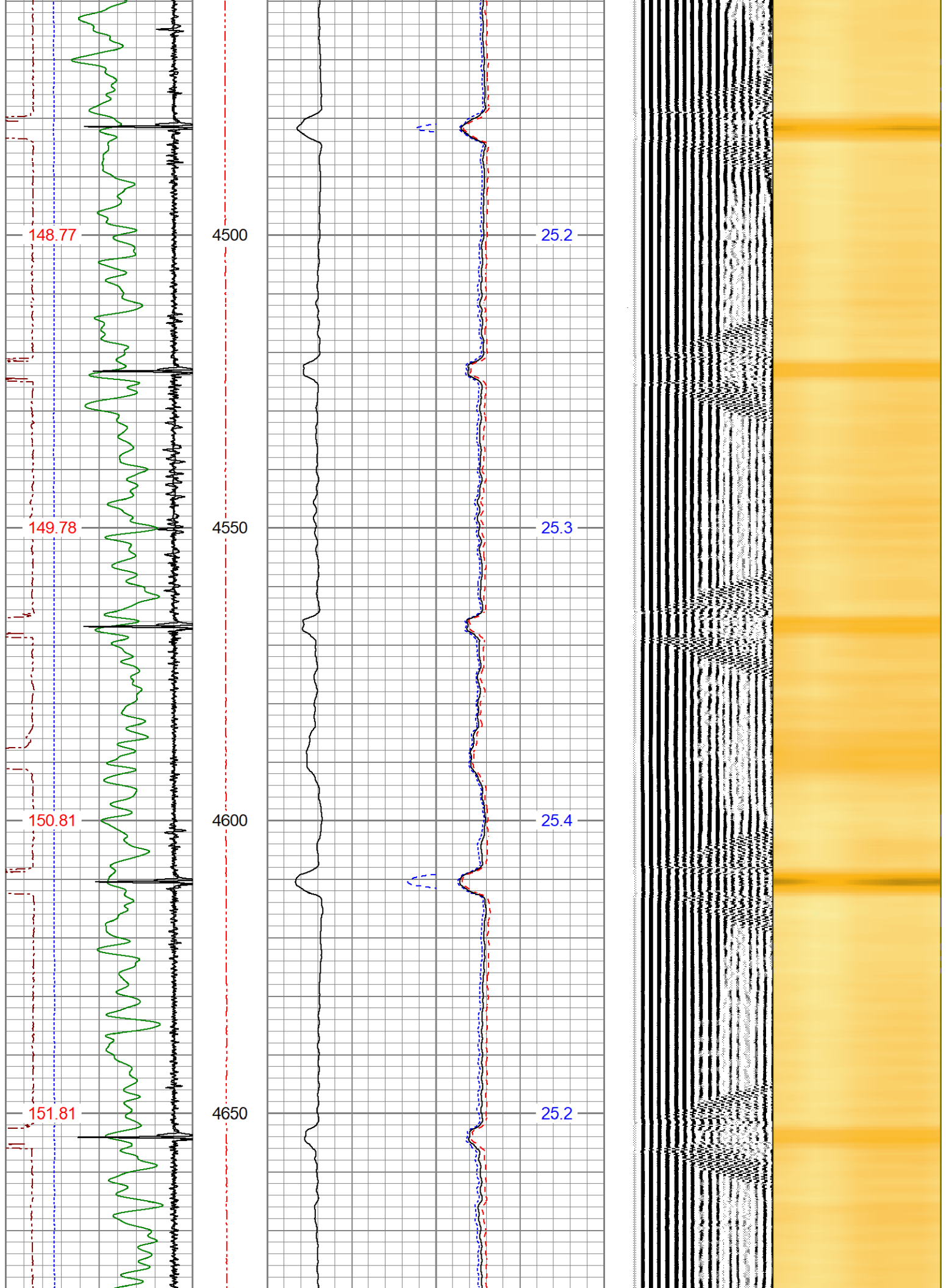


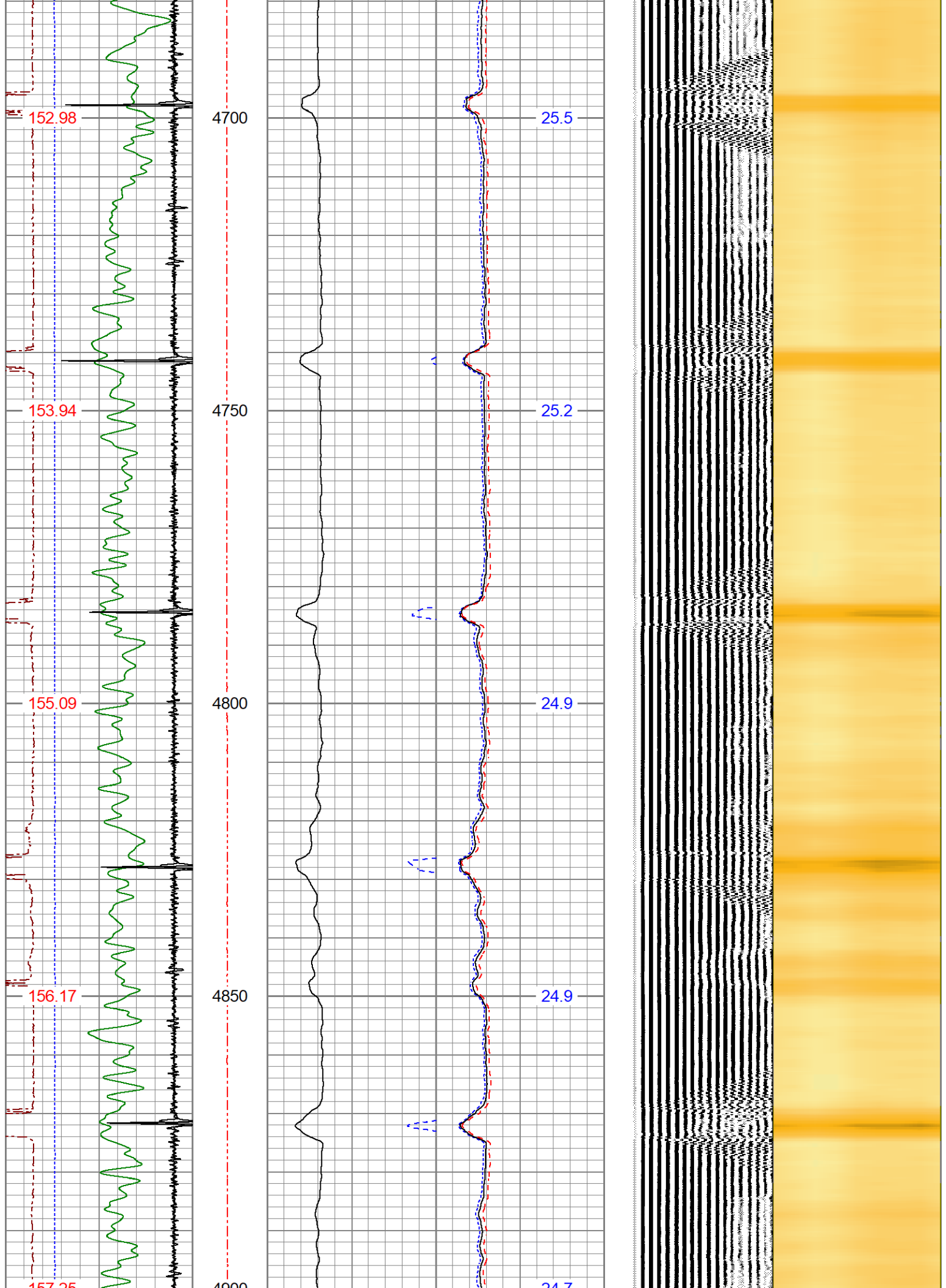


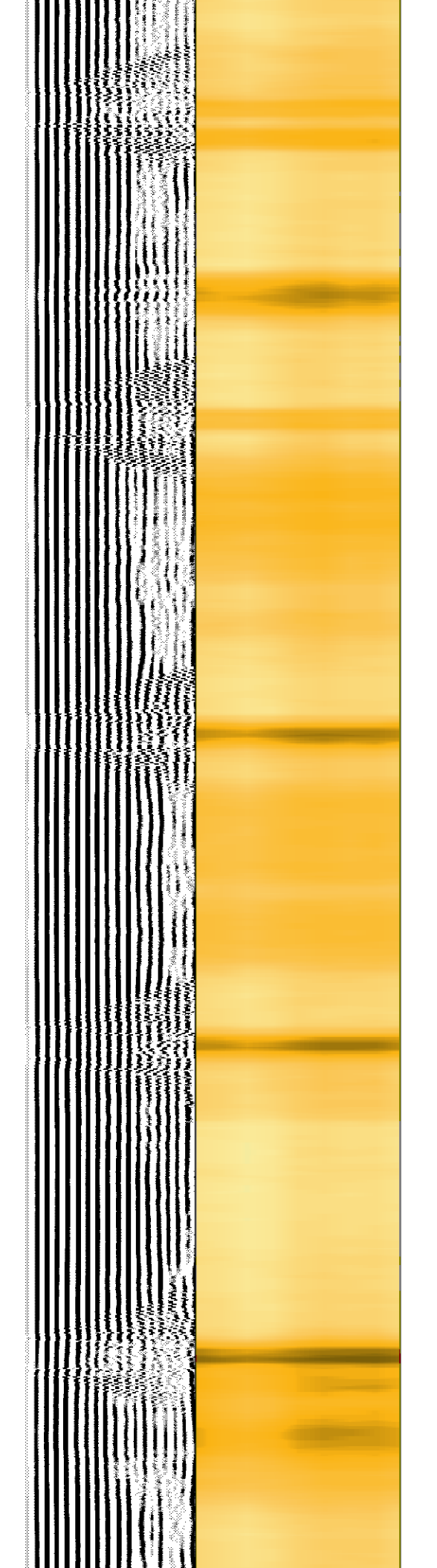
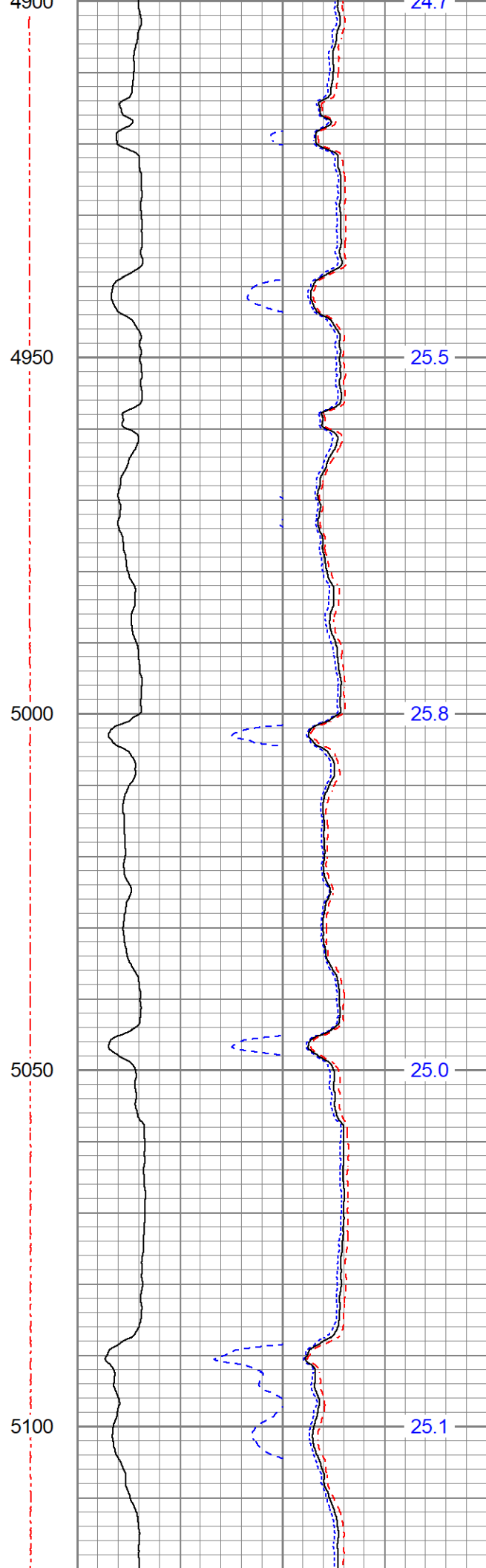
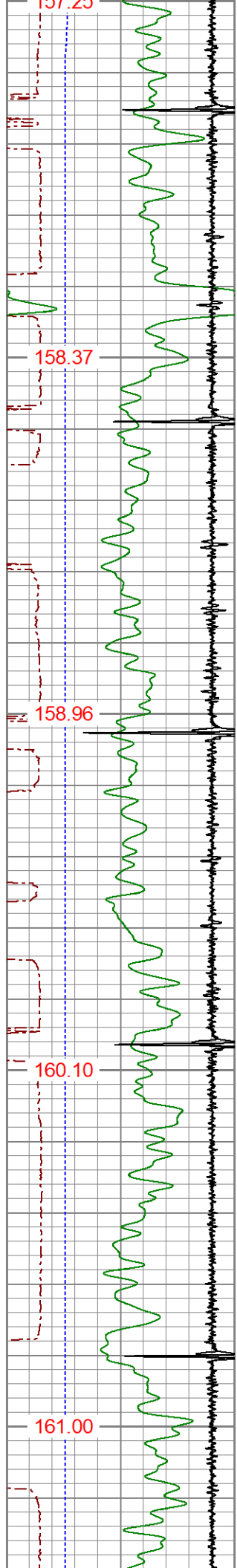


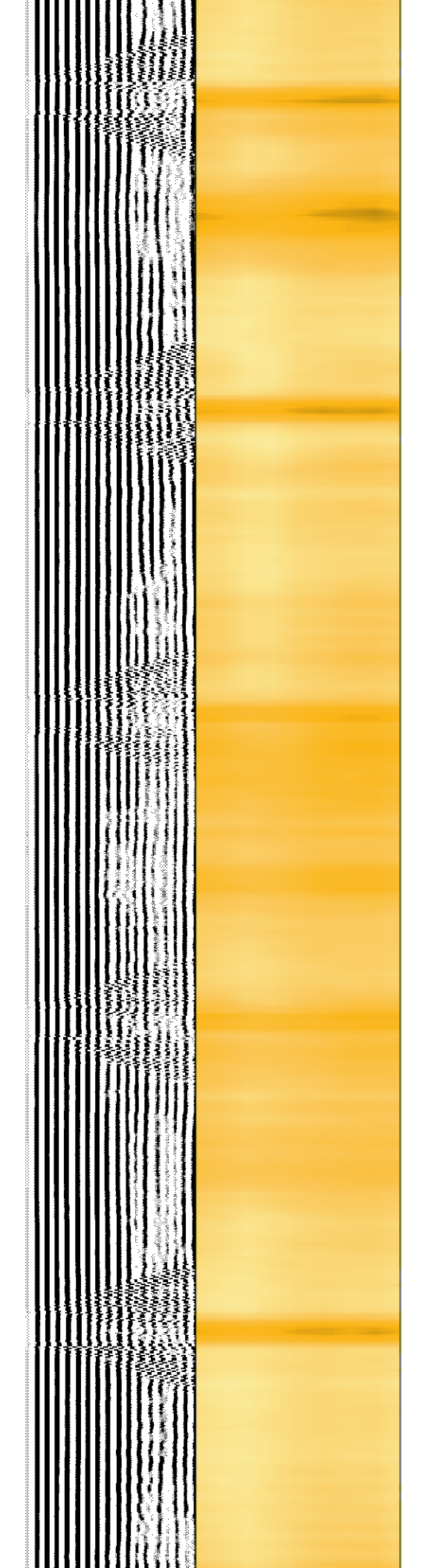
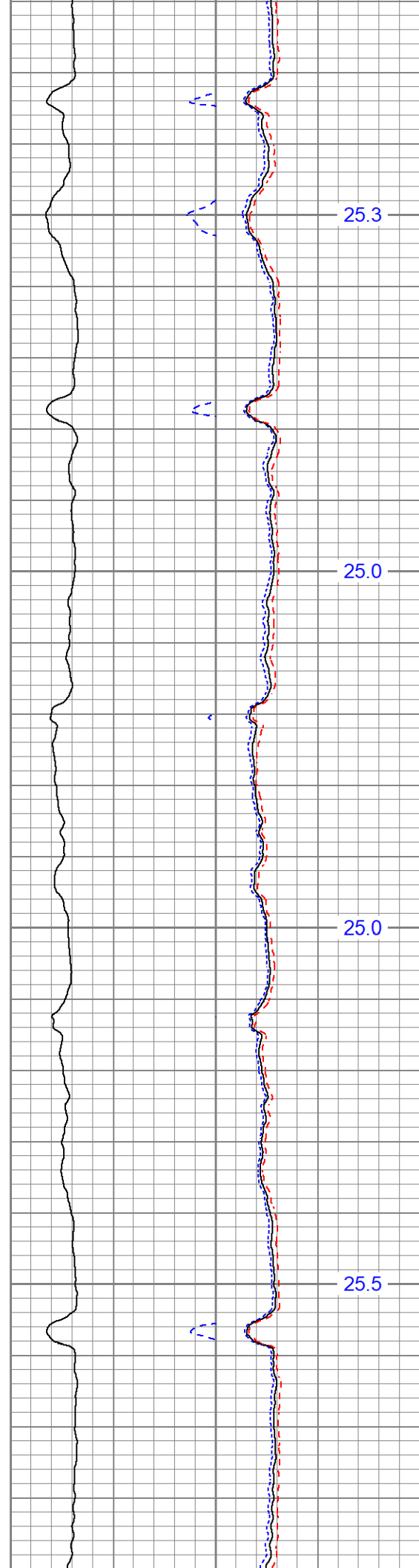
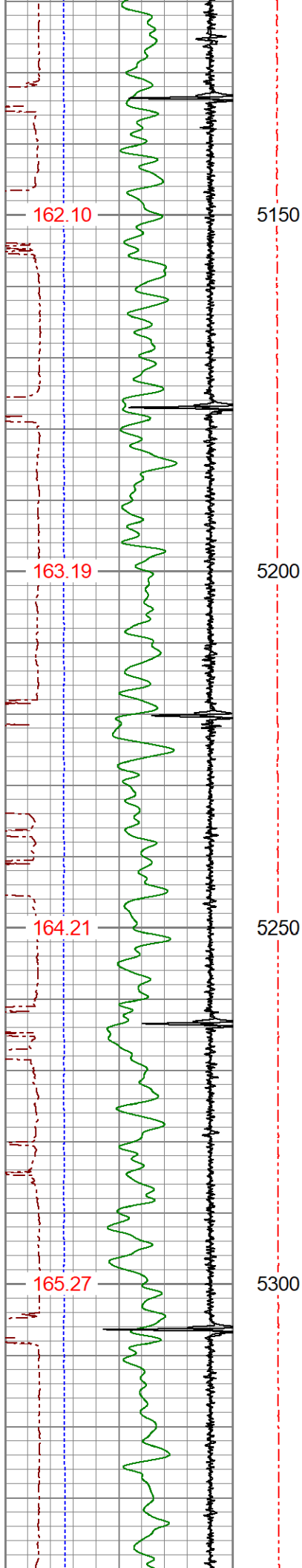


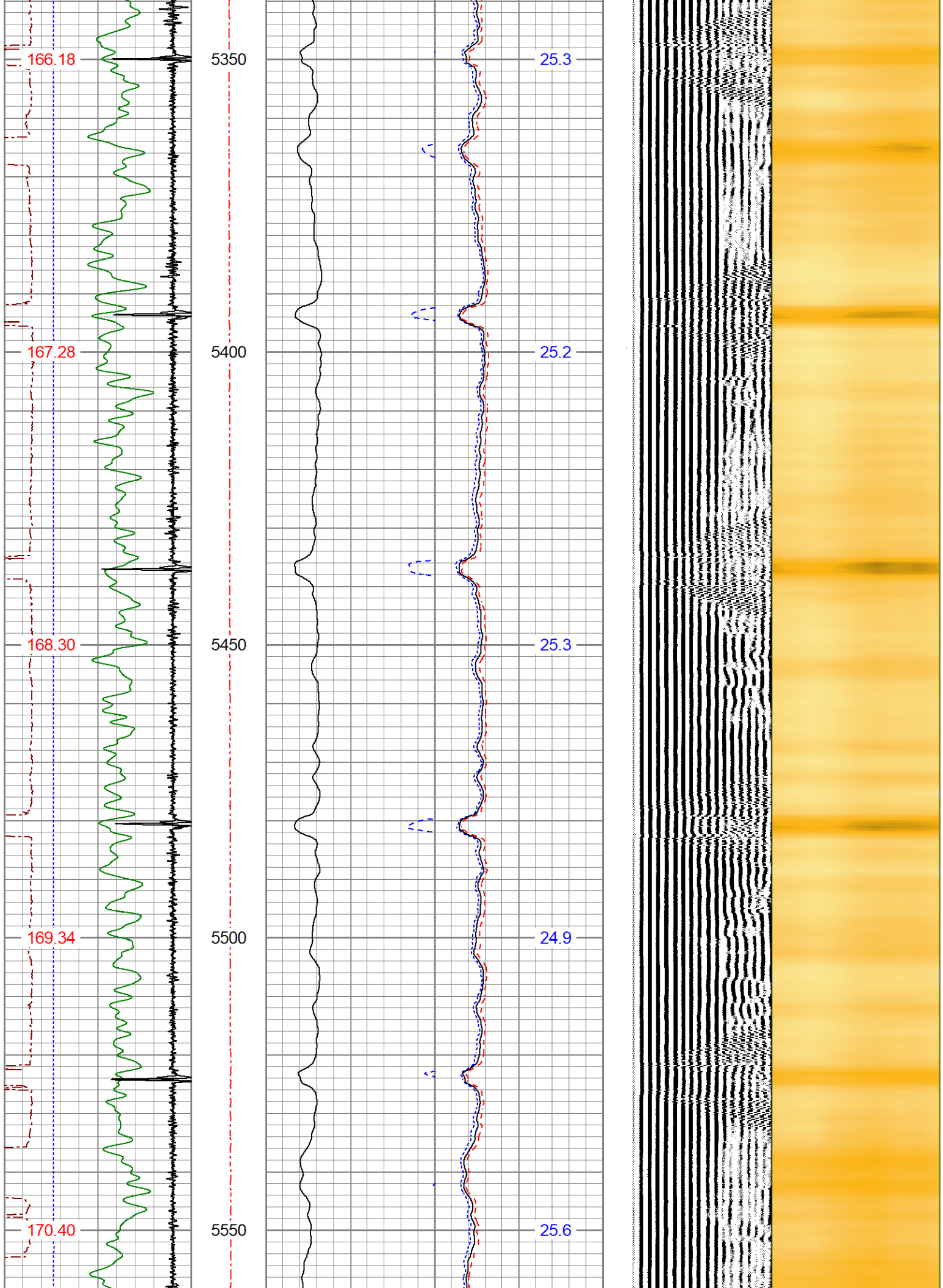


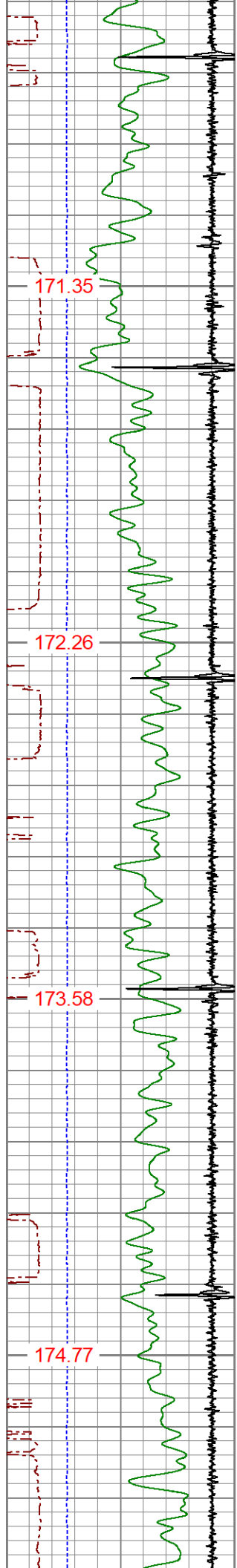




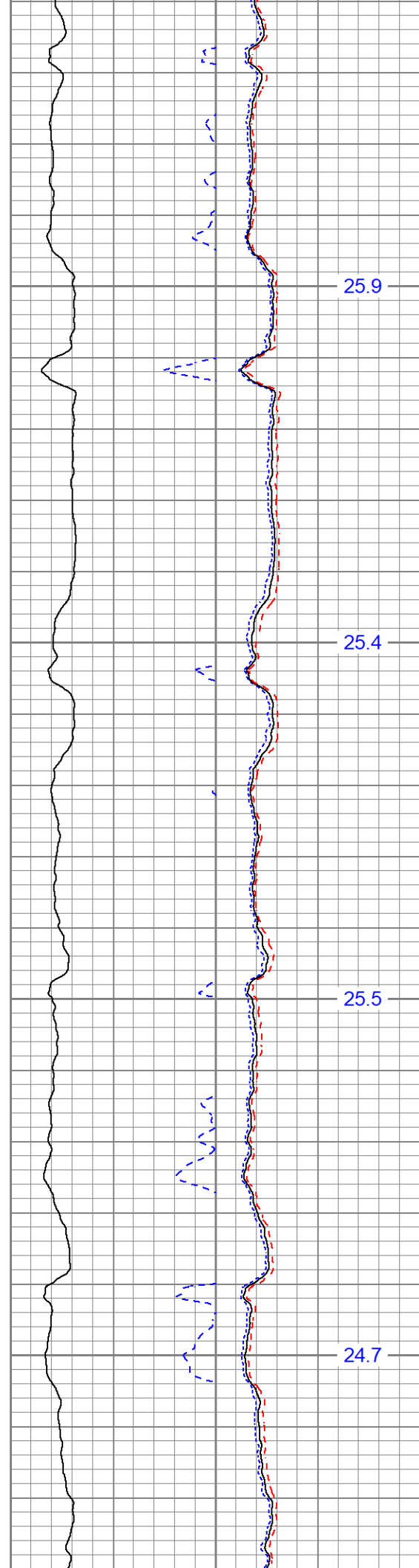




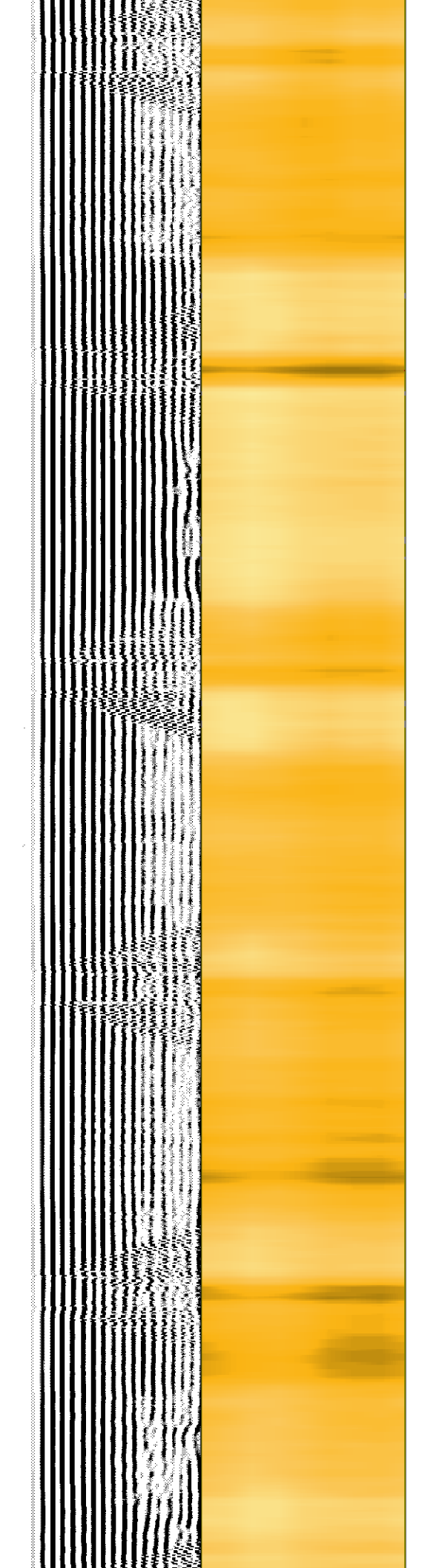


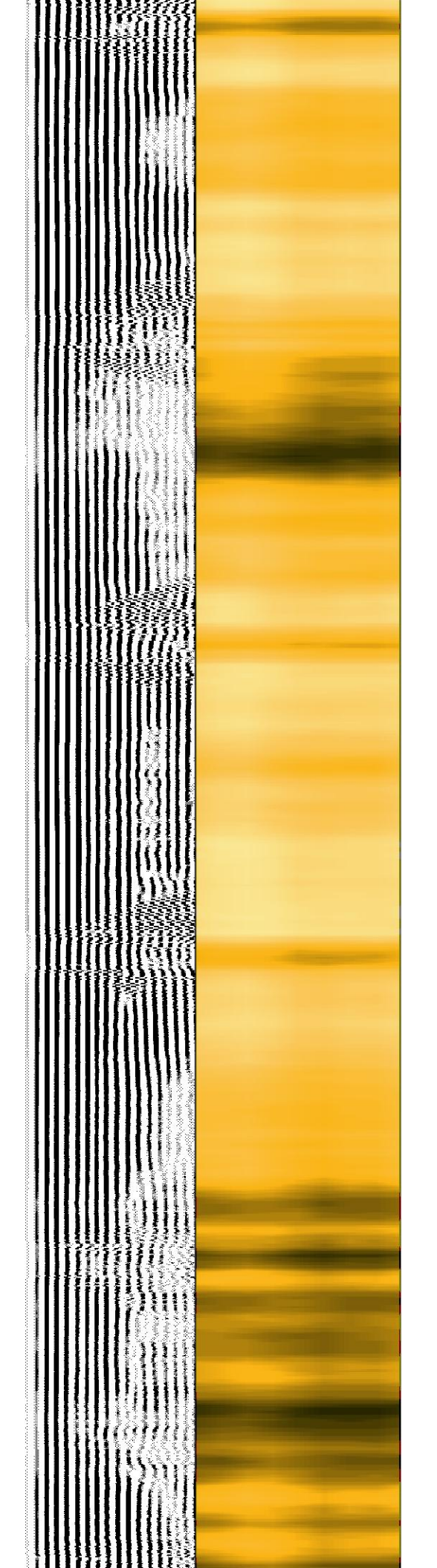
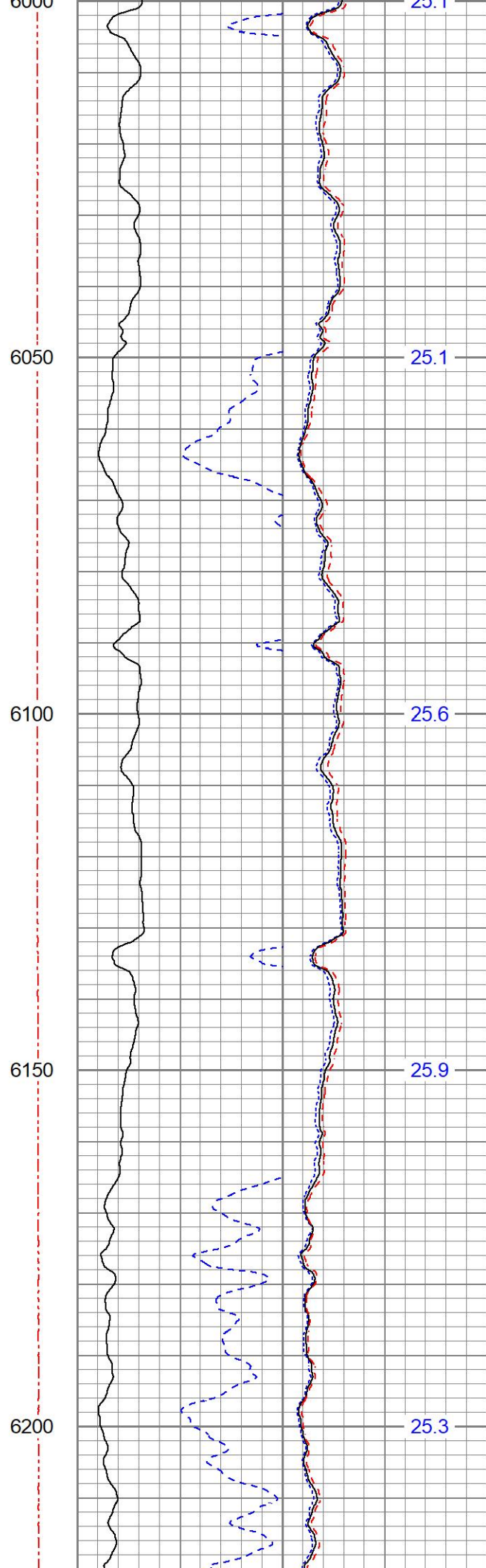
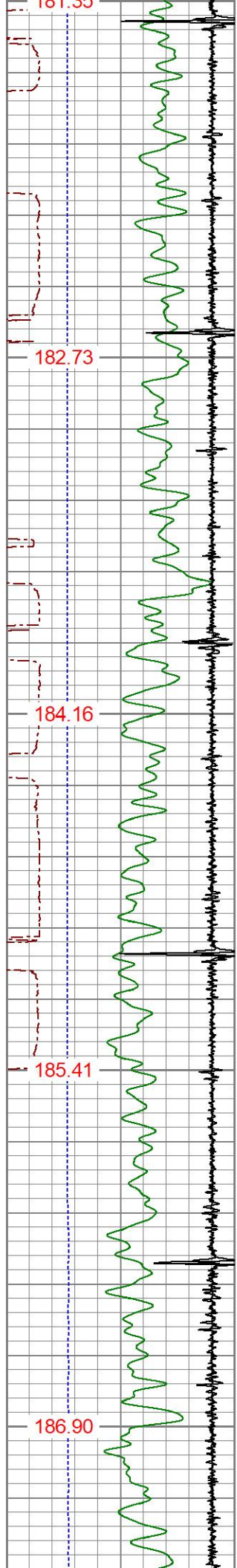


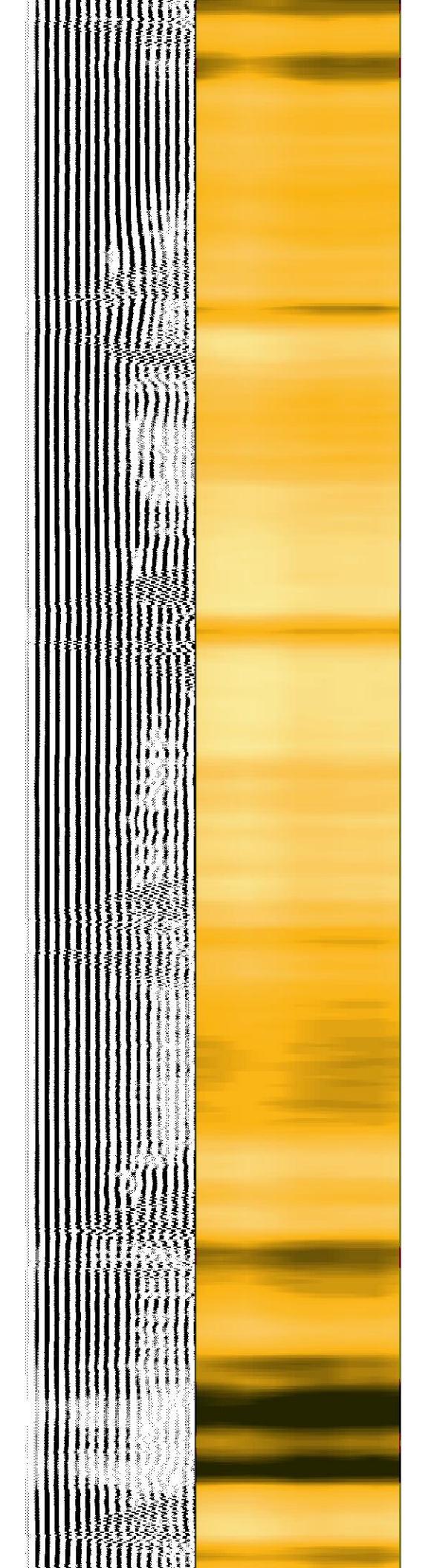
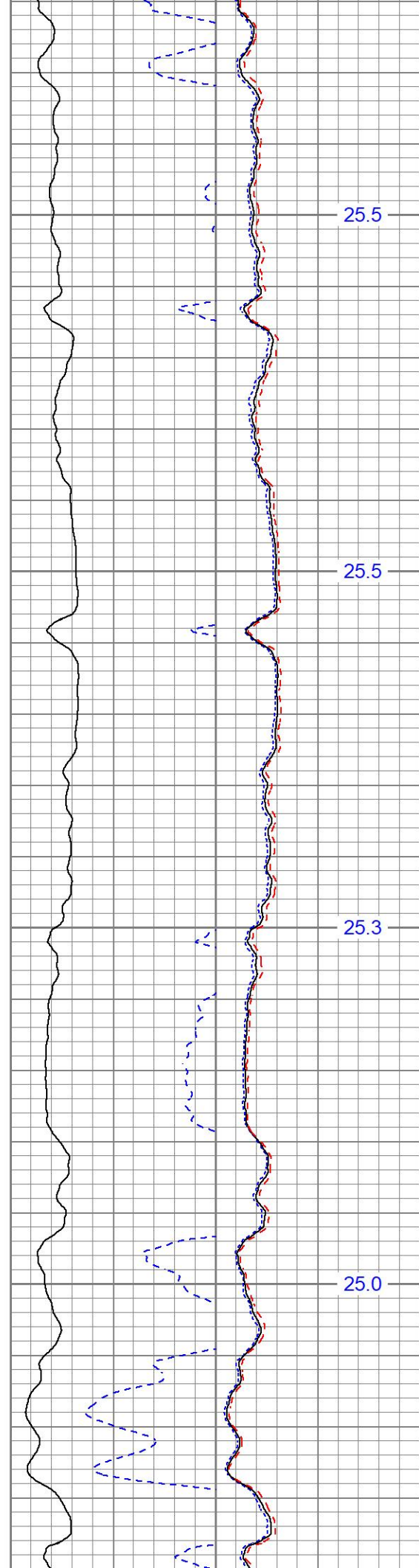
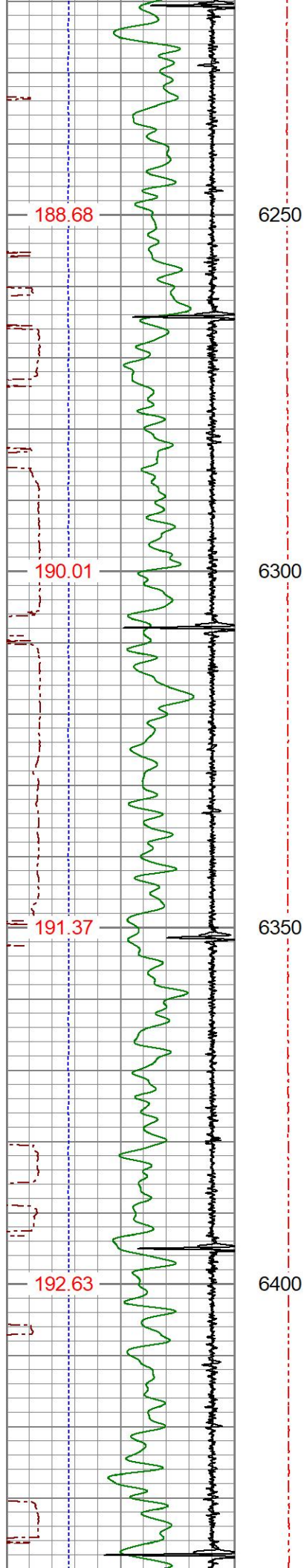
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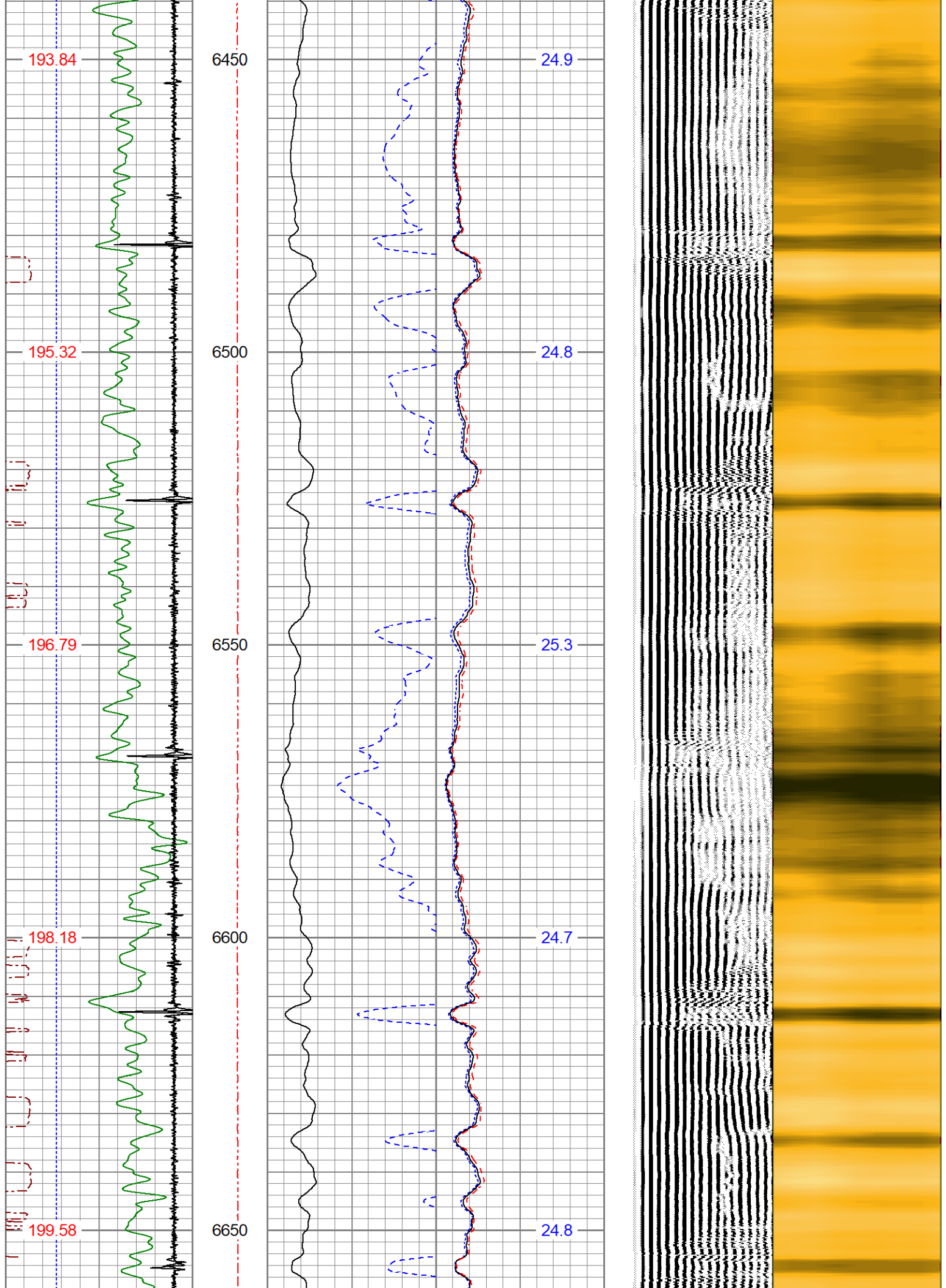


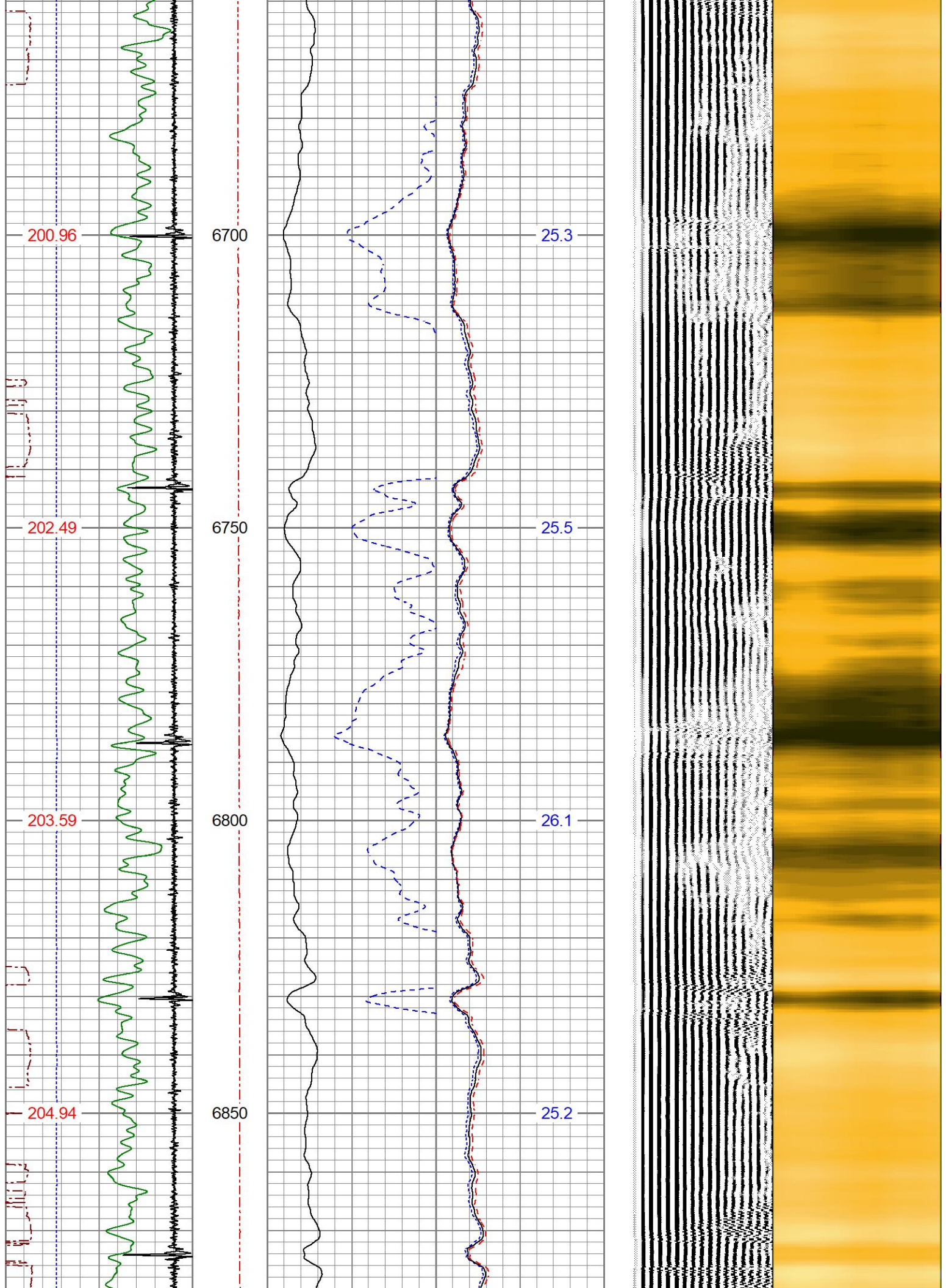
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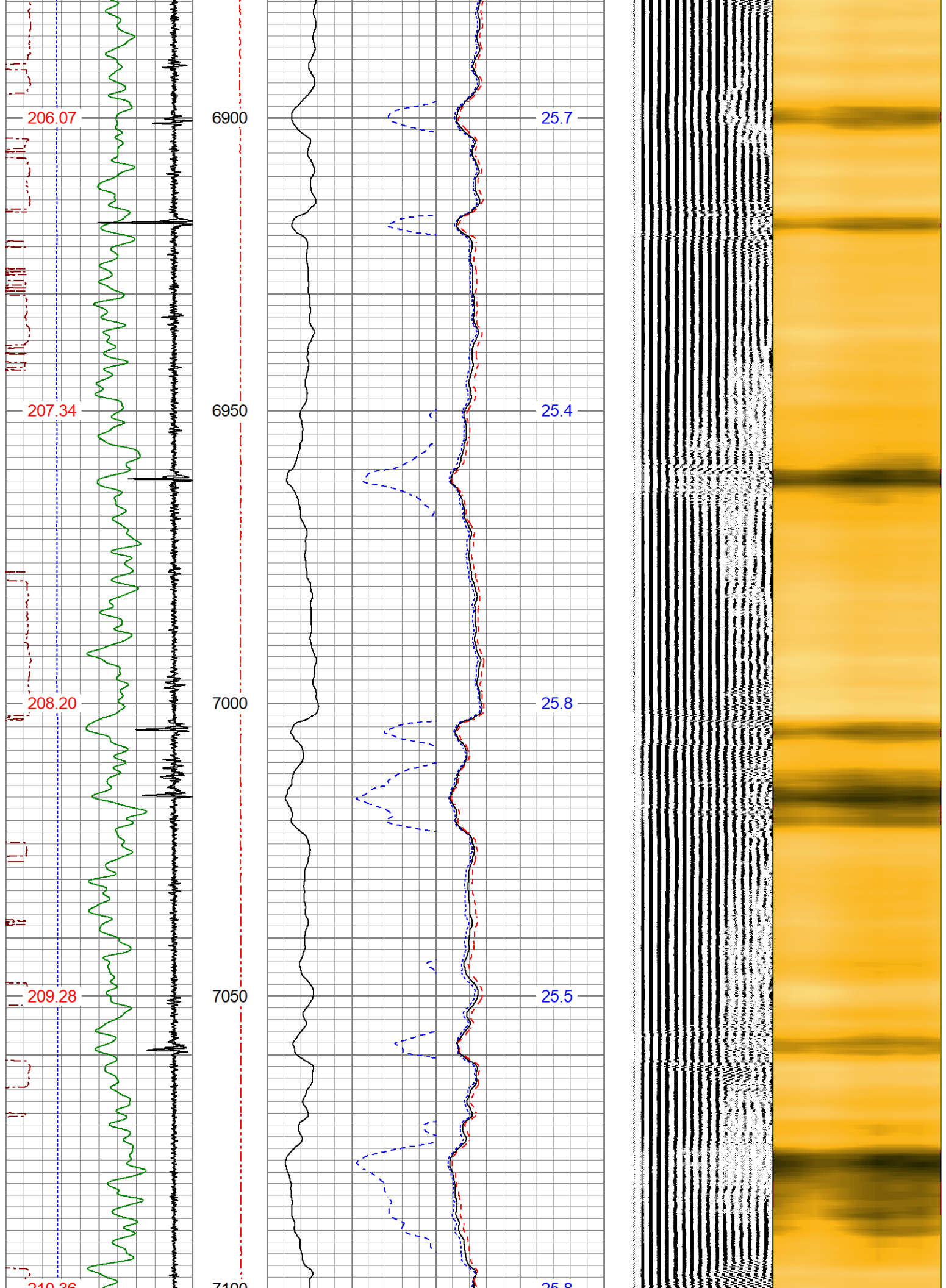


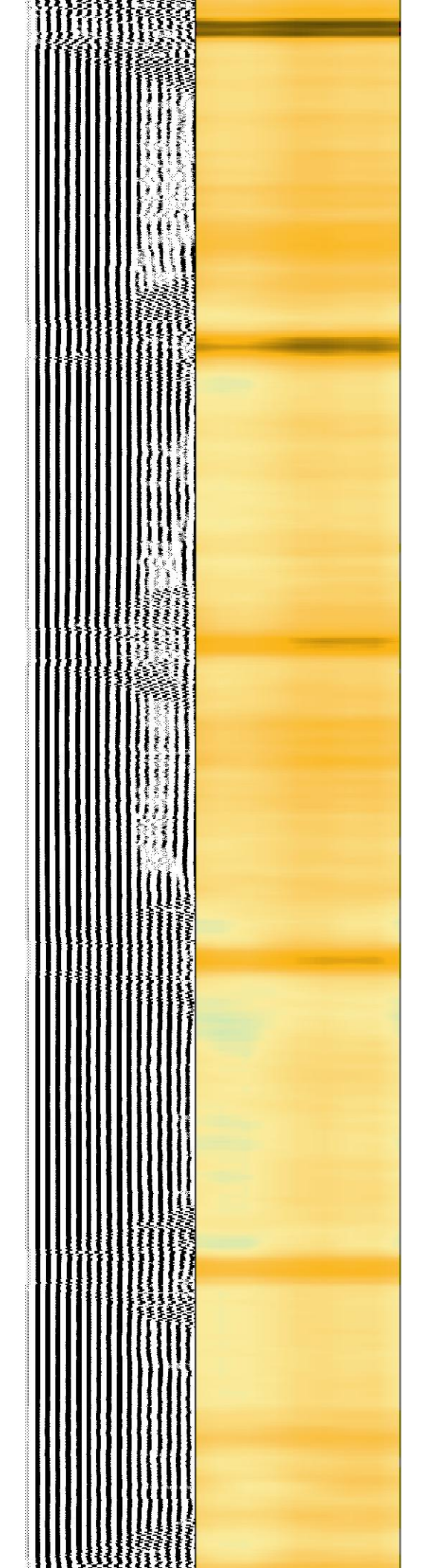
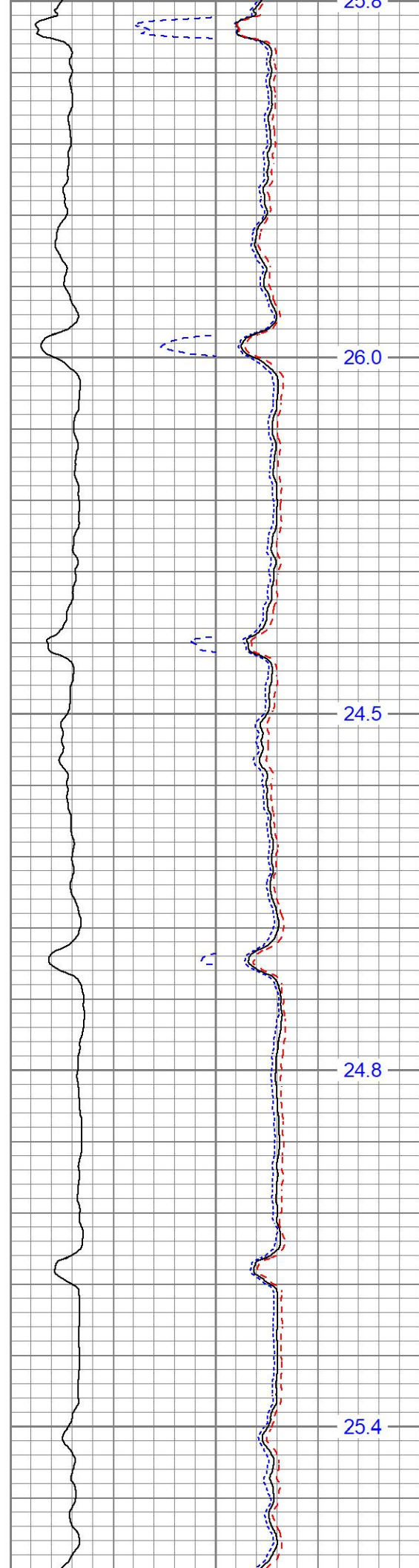
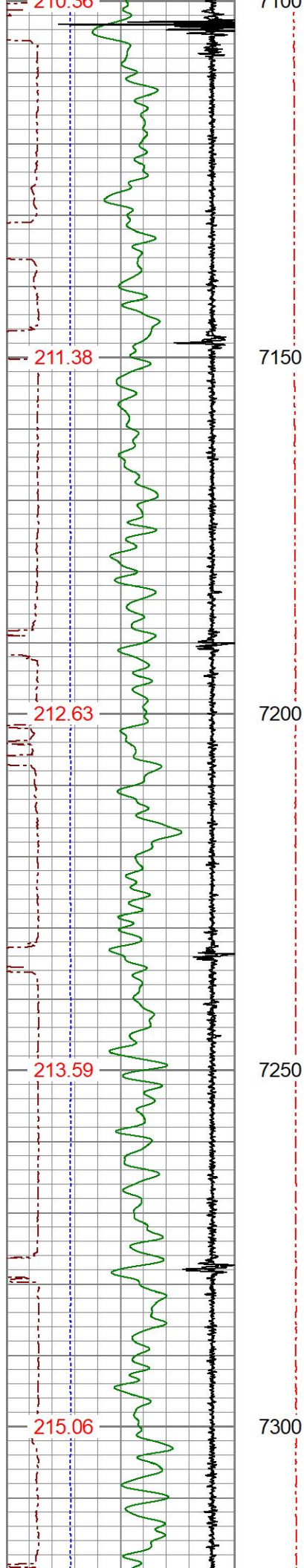


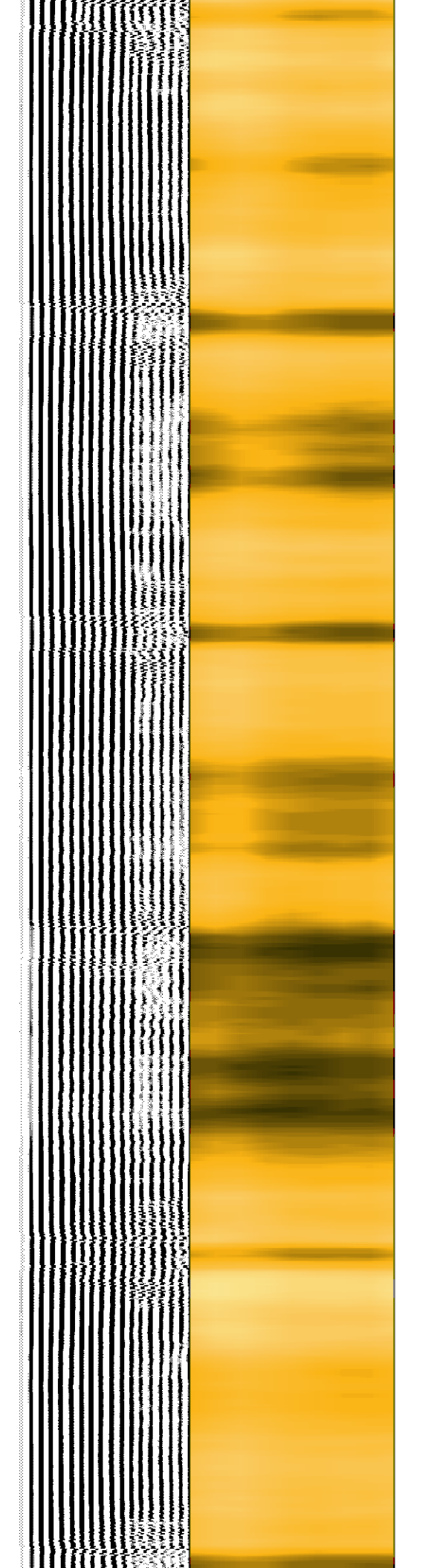
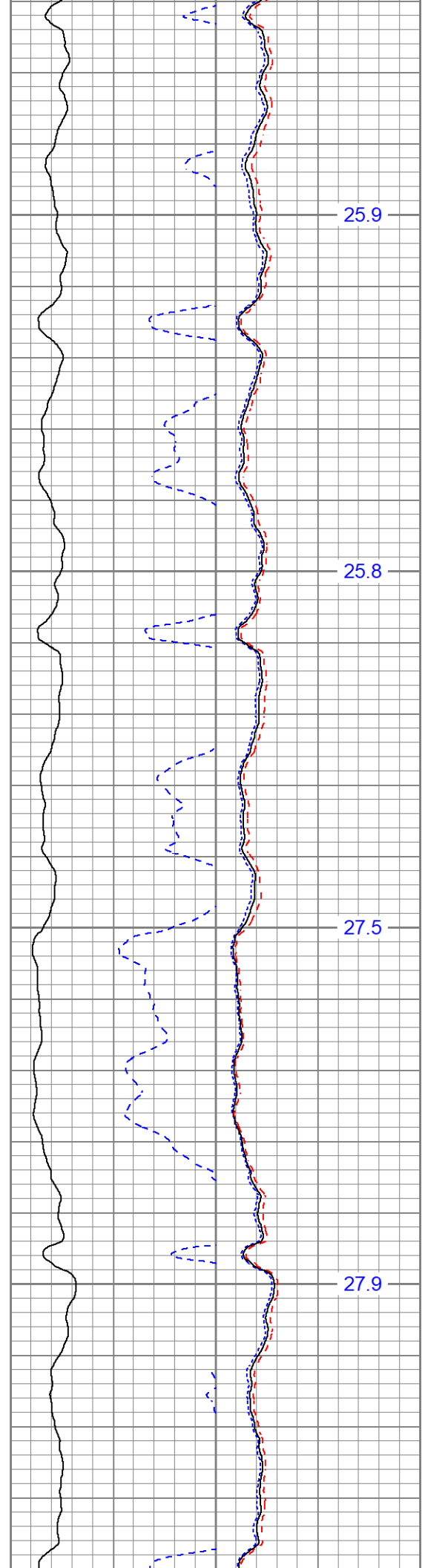
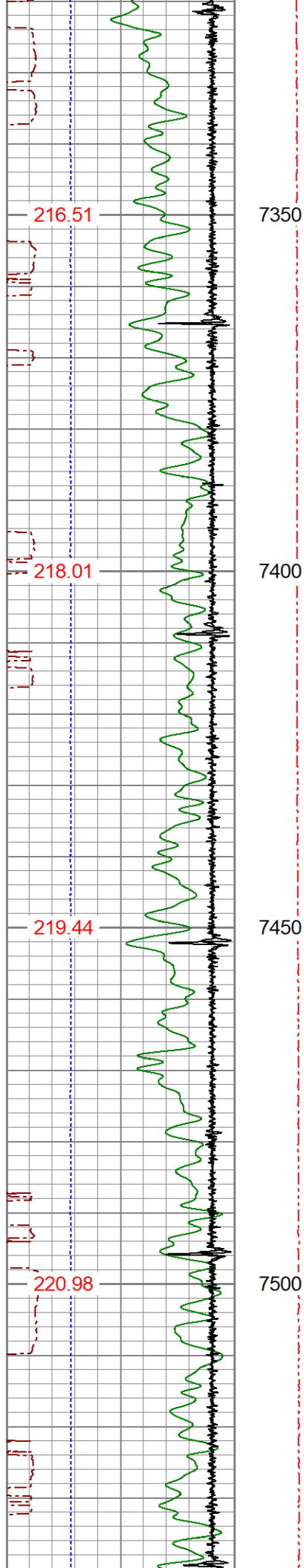


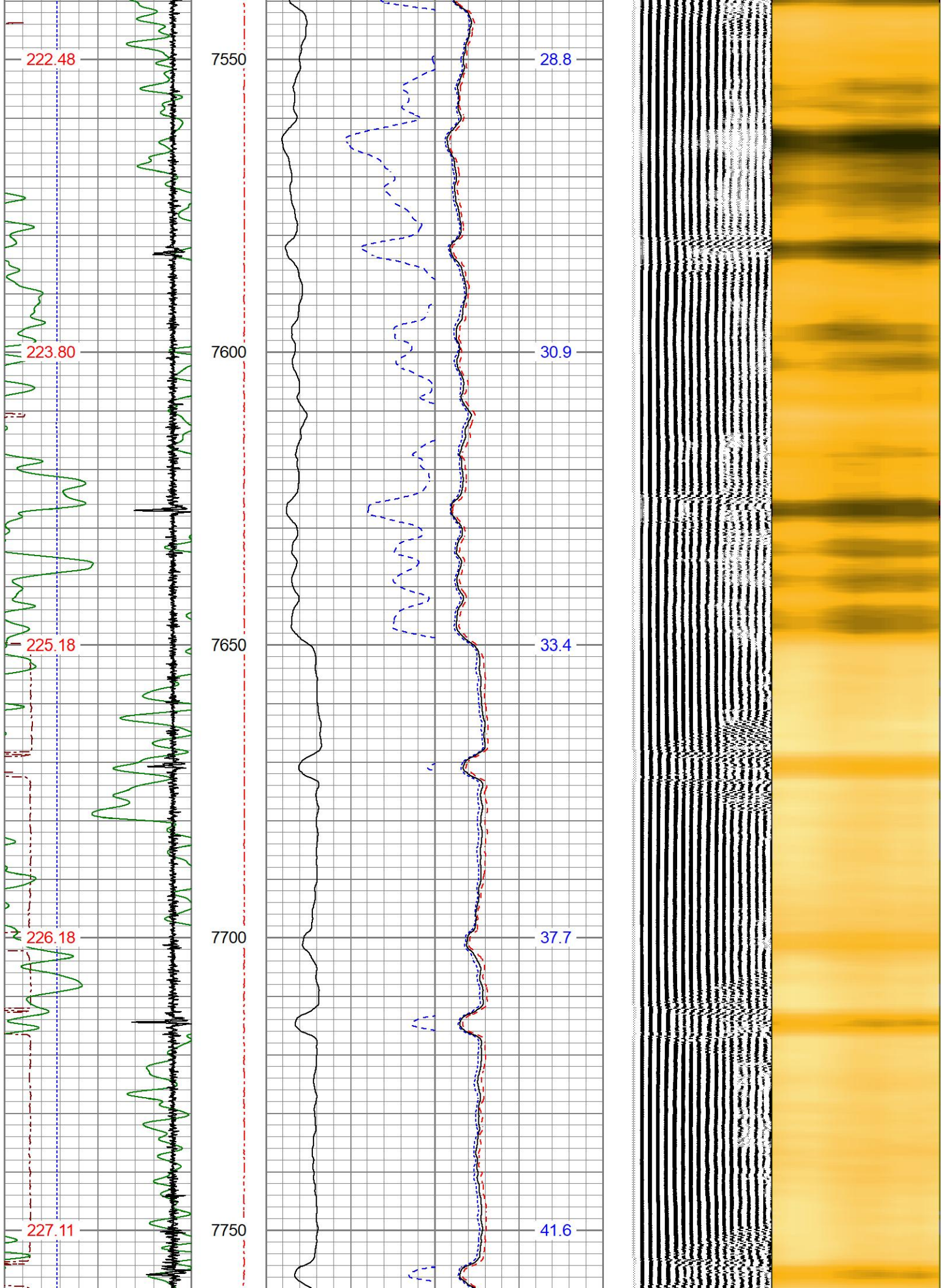


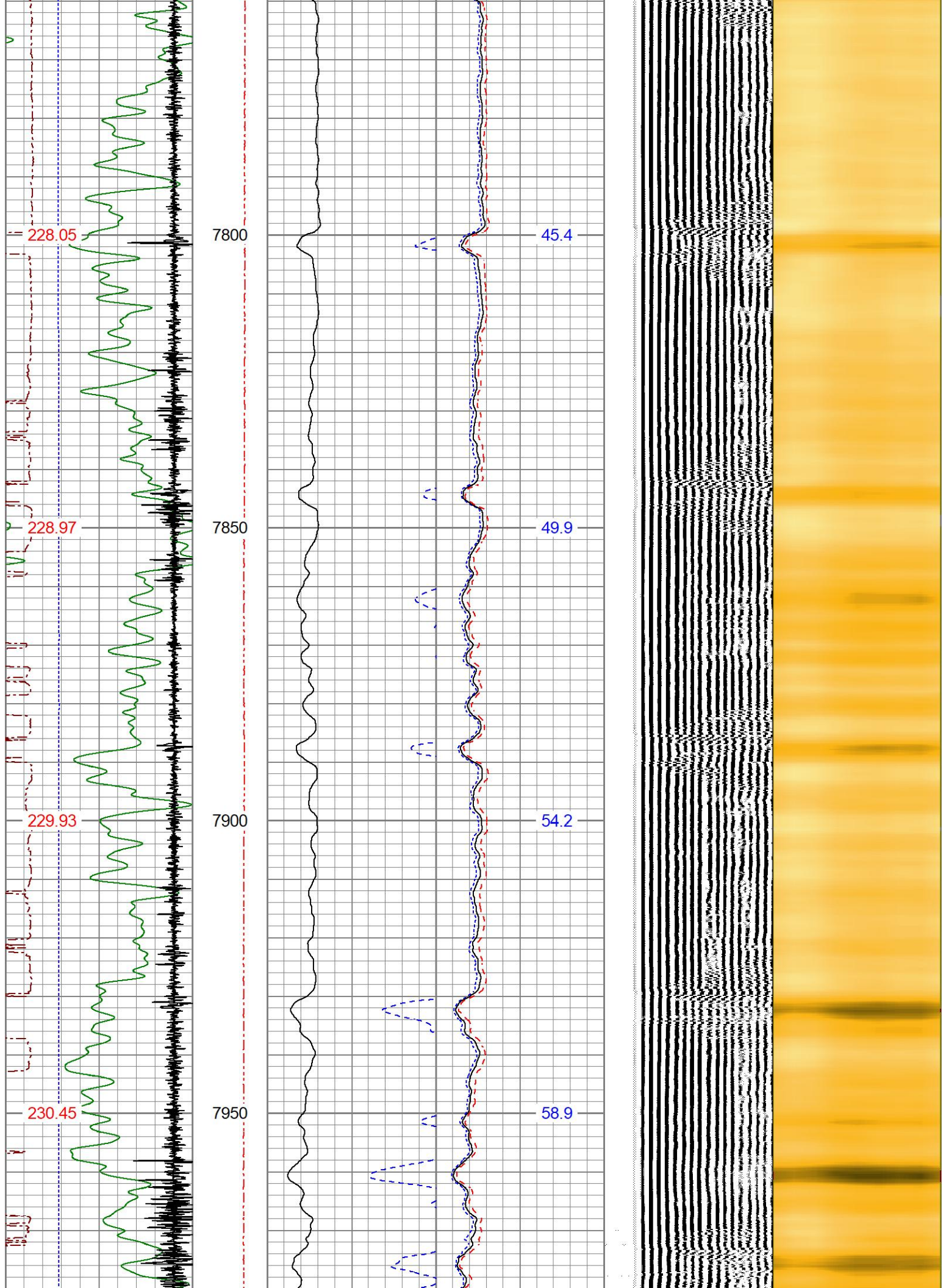


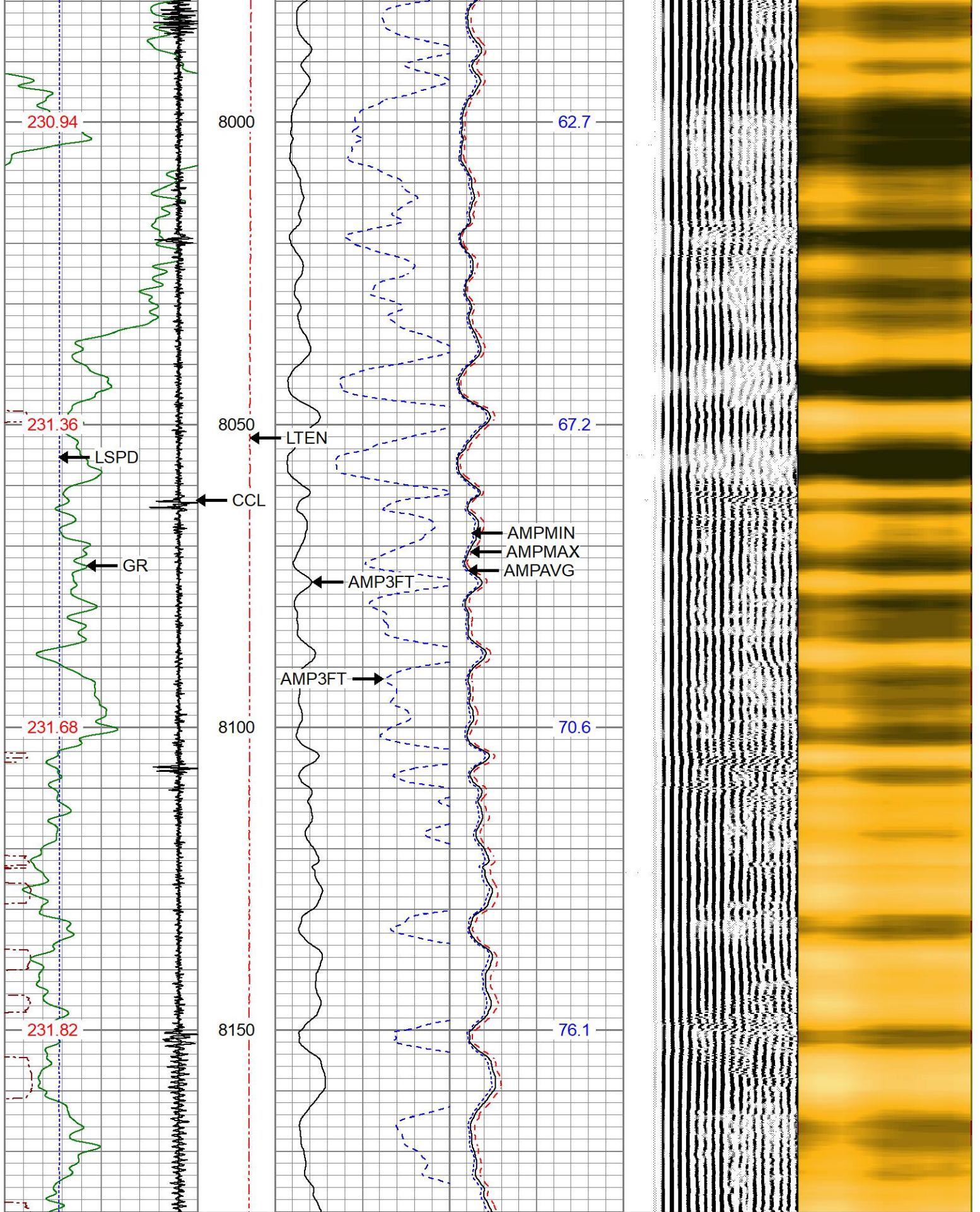












280	3FT TT (usec)	180	LTEN	3' Amplitude	0	Sector Min Amp	150	200	VDL (usec)	1200	1	Sector Map	8
0	GR (GAPI)	150	(lb)	(mV)	100	Sector Avg Amp							
-150	LSPD (ft/min)	150	0	2000	3' Amplified Amplitude X 5	0	150						
-9	CCL\$1	1				Sector Max Amp							

GCT_Temp (degF)	0 (mV) 20 0	150
		DEVIATION (deg)

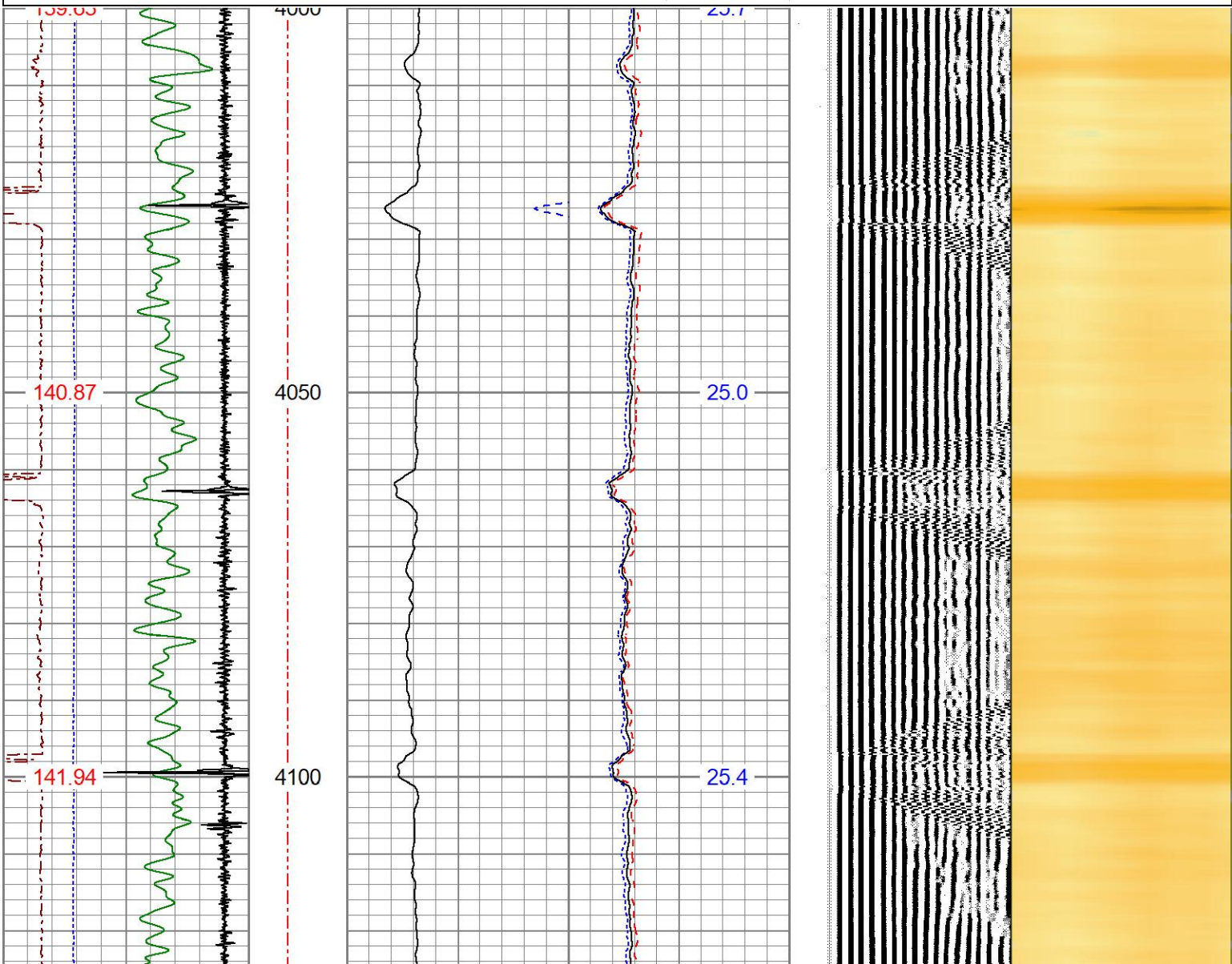


REPEAT PASS

ZERO PSI APPLIED AT SURFACE

Database File c:\users\james.kott\desktop\deehan pad\1007-535437-bayswater_dehaan 6x-hnb-16-07-65_0512349463_2
 Dataset Pathname pass2
 Presentation Format res_scbl 8sec-gr-ccl
 Dataset Creation Mon Mar 20 10:23:07 2023
 Charted by Depth in Feet scaled 1:240

280 3FT TT (usec) 180	LTEN	3' Amplitude	0 Sector Min Amp	150	200 VDL (usec) 1200	1 Sector Map	8
0 GR (GAPI) 150	(lb)	0 (mV) 100	Sector Avg Amp				
-150 LSPD (ft/min) 150	0 2000	3' Amplified Amplitude X 5	0 150				
-9 CCL\$1 1		0 (mV) 20 0	Sector Max Amp	0 150			
GCT_Temp (degF)				DEVIATION (deg)			



Segmented Cement Bond Log Calibration Report

Serial Number: RBT275C_Base
 Tool Model: RADII-275C
 Calibration Casing Diameter: 5.500 in
 Calibration Depth: 19.558 ft

Master Calibration, performed Mon Mar 20 07:41:28 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.070	2.200	71.921	65.173	2.200
CAL	0.000	1.071				
5'	0.000	1.025	2.200	71.921	68.018	2.200
SUM						
S1	0.000	1.064	0.000	100.000	93.943	0.000
S2	0.000	1.076	0.000	100.000	92.921	0.000
S3	0.000	1.083	0.000	100.000	92.357	0.000
S4	0.000	1.069	0.000	100.000	93.588	0.000
S5	0.000	1.068	0.000	100.000	93.669	0.000
S6	0.000	1.063	0.000	100.000	94.057	0.000
S7	0.000	1.074	0.000	100.000	93.127	0.000
S8	0.000	1.085	0.000	100.000	92.134	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	1.071	1.000	0.000

Air Zero Calibration, performed Mon Feb 27 07:45:37 2023:

	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

Inclinometer Calibration Report

Performed: Mon Jan 9 07:52:41 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-918.00	908.00	-1.00	1.00	gee
Y Accelerometer					

Z Accelerometer

-941.00

887.00

-1.00

1.00

gee

1.35

894.18

0.00

1.00

gee



Company

BAYSWATER EXPLOR. & PROD.

Well

6X-HNB-16-07-65

Field

WATTENBERG

County

WELD

State

COLORADO