

Company **ANADARKO PETROLEUM CORP**
 Well **REI H17-29D**
 Field **WATTENBERG**
 County **WELD** State **CO**

Location: **SEC 8 TWP 3N RGE 65W** API #: 05-123-31584
 SE/SW GR CCL
 Permanent Datum **GL** Elevation **4899**
 Log Measured From **KB** 16' Above Perm. Datum
 Drilling Measured From **KB** Elevation **4915'**
 K.B. **4914'**
 D.F. **4899'**
 G.L. **4899'**

Date of Service	FEB-8-2023
Run Number	ONE
Depth Driller or P8TD	7939'
Depth Logger	6998'
Bottom Log Interval	6995'
Top Log Interval	SURFACE
Open Hole Size	6.75"
Type Fluid	WATER
Fluid Level	SURFACE
Fluid Density	8.3#
Max. Recorded Temperature	270° F
Max. Wellhead Pressure	500
Wellhead Connection	7 1/16" 5K
Estimated Cement Top	SEE LOG
Unit Number	5074
Wireline Size	9/32"
Location	FORT MORGAN
Recorded By	G. JACKSON
Witnessed By	R. REYES

Size	WV/Ft	Top	Bottom
Tubing Record			
Surface Casing	8.625"	24#	SURFACE
Production Casing	4.5"	11.6#	SURFACE
Liner Record			

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

MAIN PASS LOGGED WITH 500 PSI INDUCED SURFACE PRESSURE

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Your Pioneer Energy Services Crew Engineer: G. JACKSON Operator: Operator: B. MELENDEZ Operator: W. GROSZ	Tool Data - Services BOND GAMMA RAY/CCL	Serial Number FW 1210-40 140181
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
			Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00	
			Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00	
TEMP	14.38						
WVFS8	12.09			PROBE-RBT-DIGITAL-RBL-DCT (FW1210-40) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.25	2.75	105.00
WVFS7	12.09						
WVFS6	12.09						
WVFS5	12.09						
WVFS4	12.09						
WVFS3	12.09						
WVFS2	12.09						
WVFS1	12.09						
WVFCAL	12.09						
WV3FT	12.09						
WV5FT	11.09						
HEADVOLT	7.90						
			Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00	
CCL	4.20						
GCT_TEMP	3.41						
GR	2.83		PROBE-GR/CCL-DIGITAL-275 Probe GCT (140181) Probe 2 3/4" Gamma Ray/Temp/CCL	4.69	2.75	60.00	
			Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00	

Dataset: oxy_rei h17-29d_rcbl_2-8-23.db: field/well/run1/pass6
Total length: 21.06 ft
Total weight: 198.00 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\oxy_rei h17-29d_rcbl_2-8-23.db
 Dataset field/well/run1/pass6/_vars_

Top - Bottom

BHTEMP_Src TEMP	BOREID in 7.875	BOTTEMP degF 100	CASEOD in 4.5	CASETHCK in 0	CASEWGHT lb/ft 11.6	MAXAMPL mV 0
MINAMPL mV 1	MINATTN db/ft 0.08	PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0	

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
 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



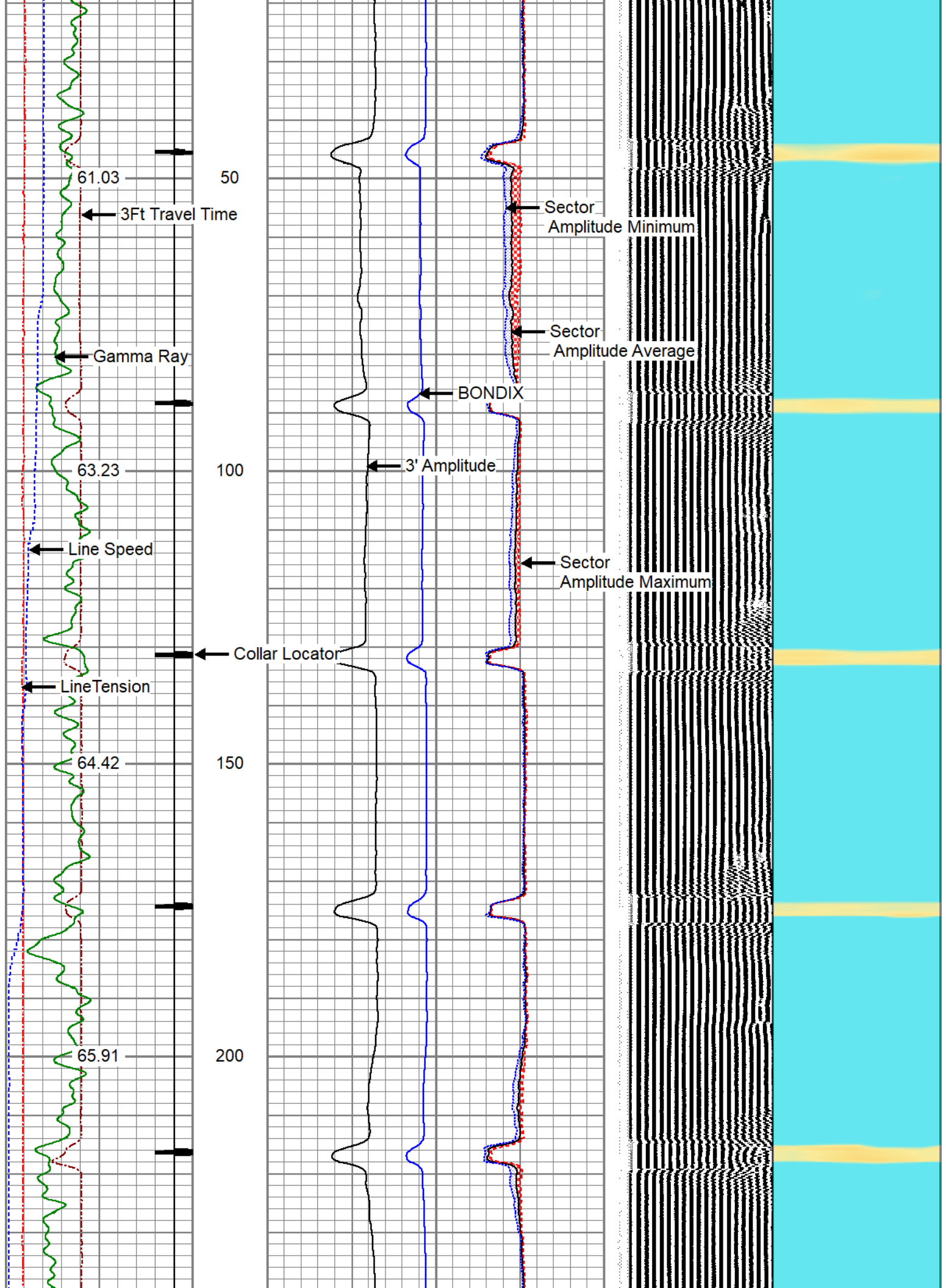
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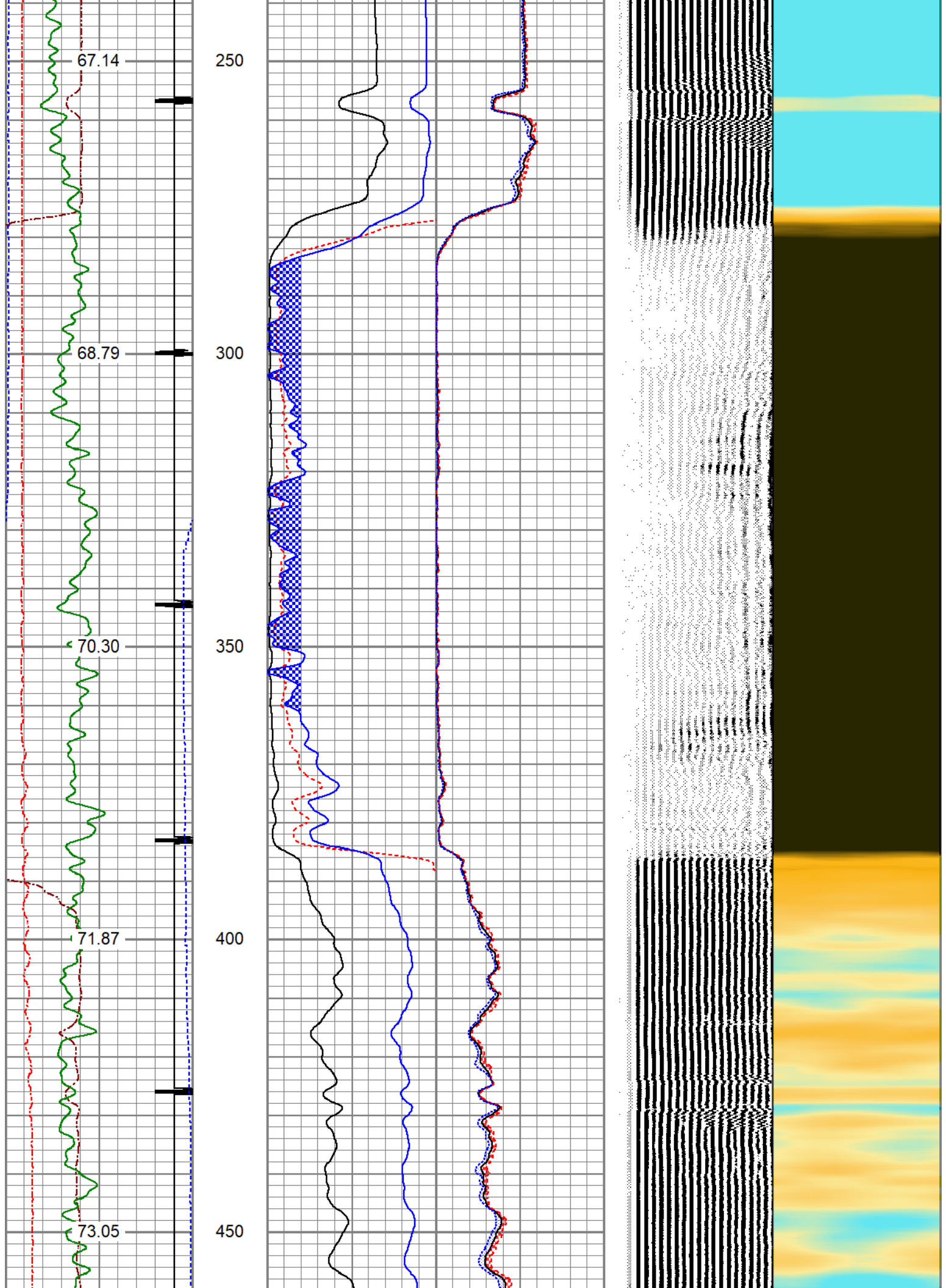
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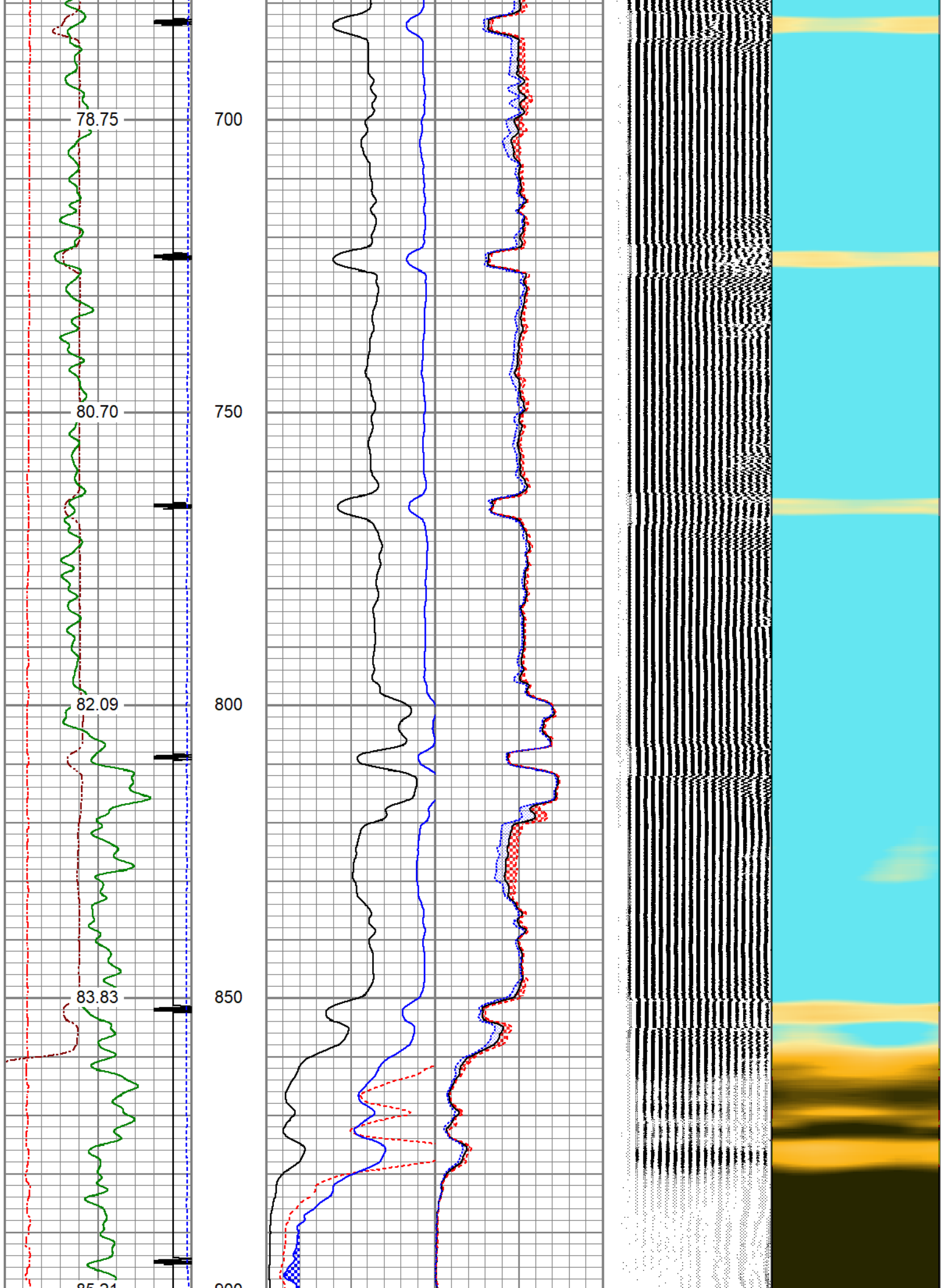
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 Dataset Creation Wed Feb 08 08:27:19 2023
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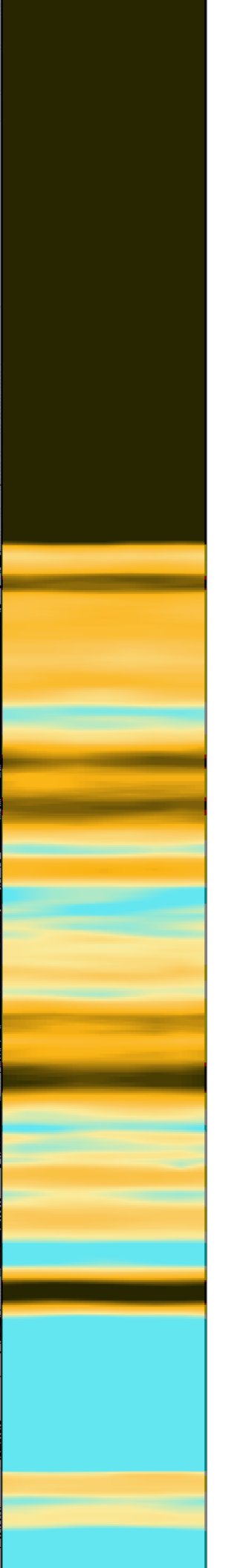
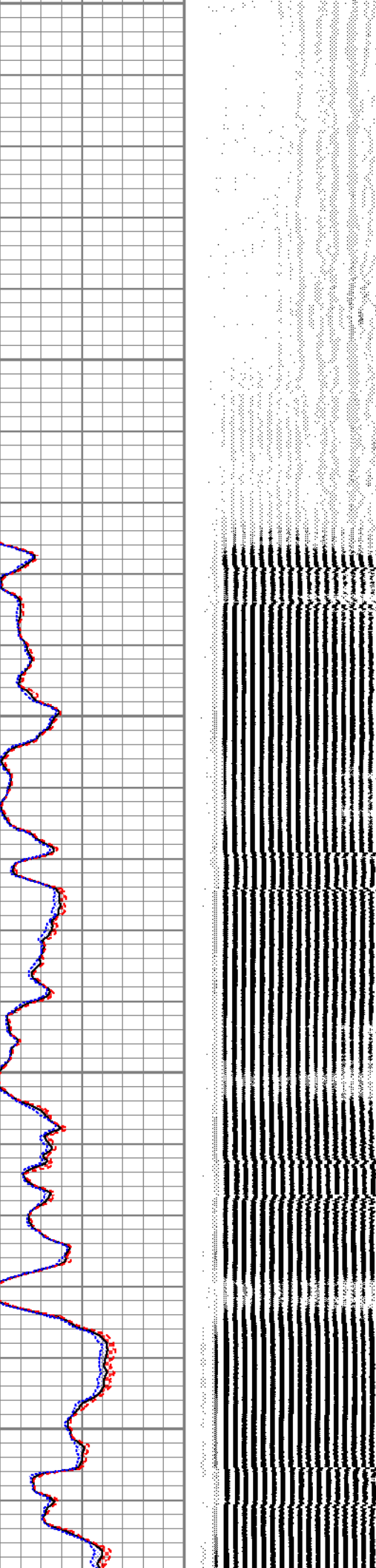
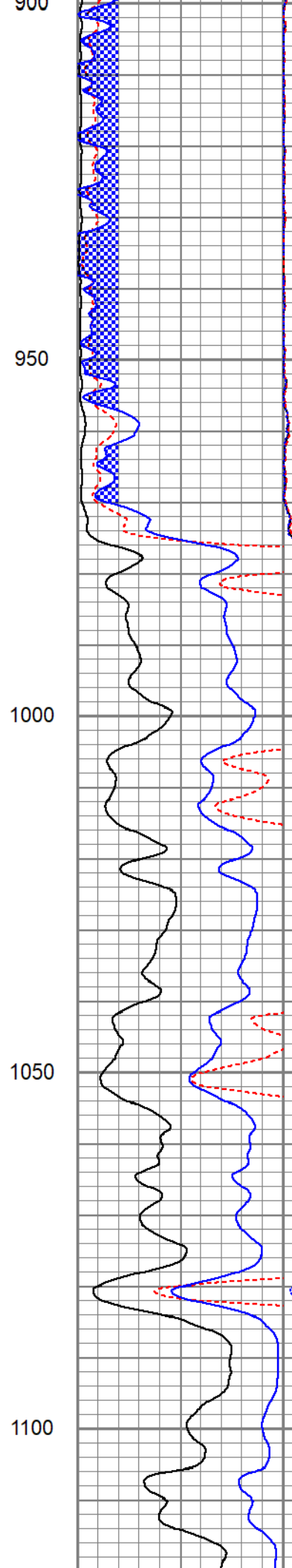
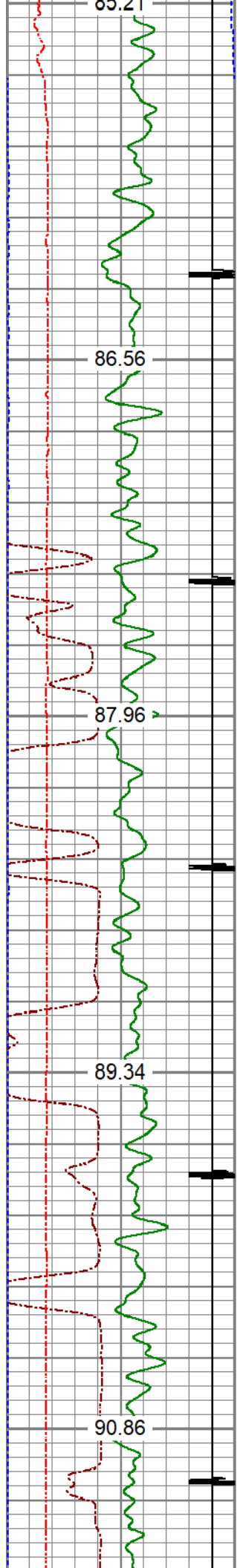
3Ft Travel Time 275 (usec) 175	3' Amplitude 0 (mV) 100	Sector Amplitude Average 0 150	VDL (usec) 1200	1 Sector Map 8
-9 Collar Locator 1	3' Amplified Amplitude X 5 0 (mV) 20	Sector Amplitude Maximum 0 150		
Gamma Ray 0 (GAPI) 150	1 BONDIX 0	Sector Amplitude Minimum 0 150		
LineTension 0 (lb) 2000				
Line Speed -100 (ft/min) 100				
TEMP (degF)				

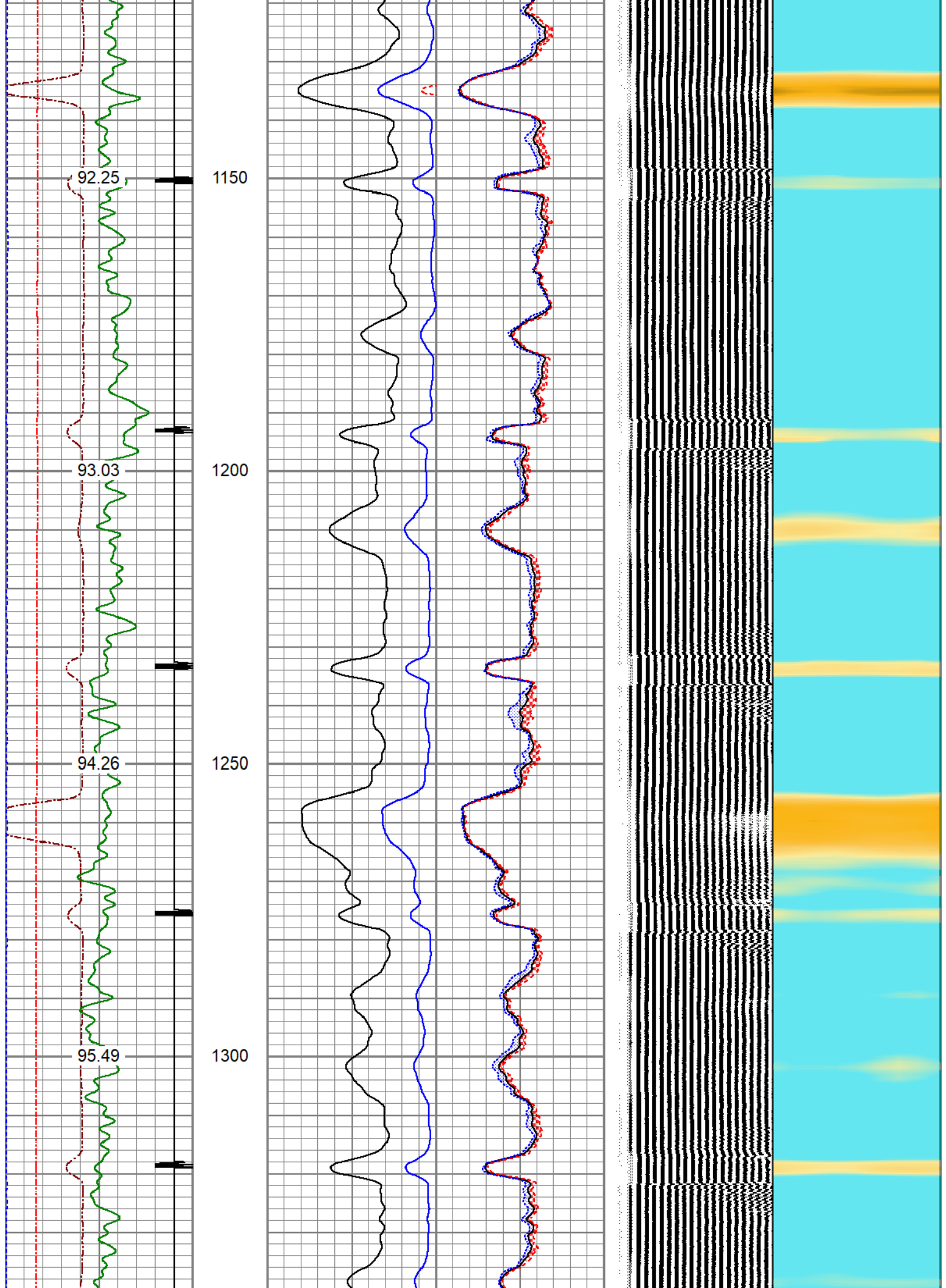


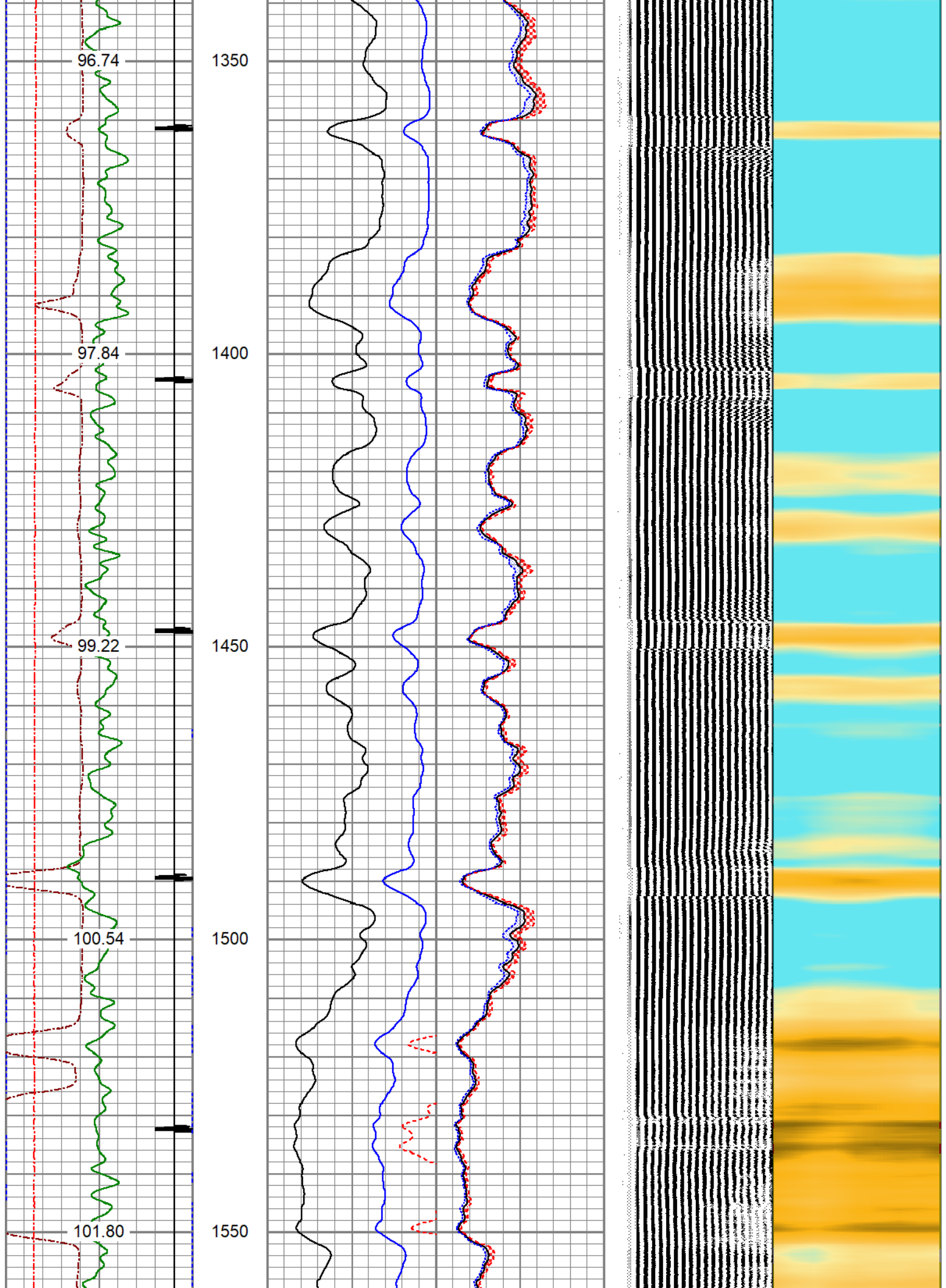


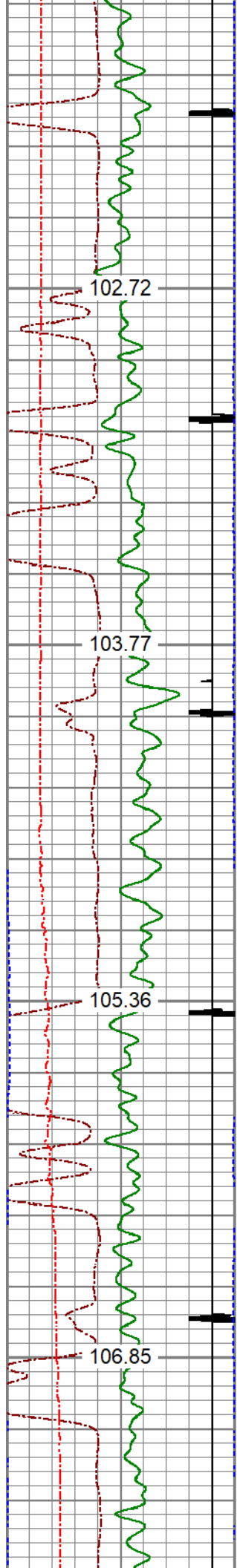




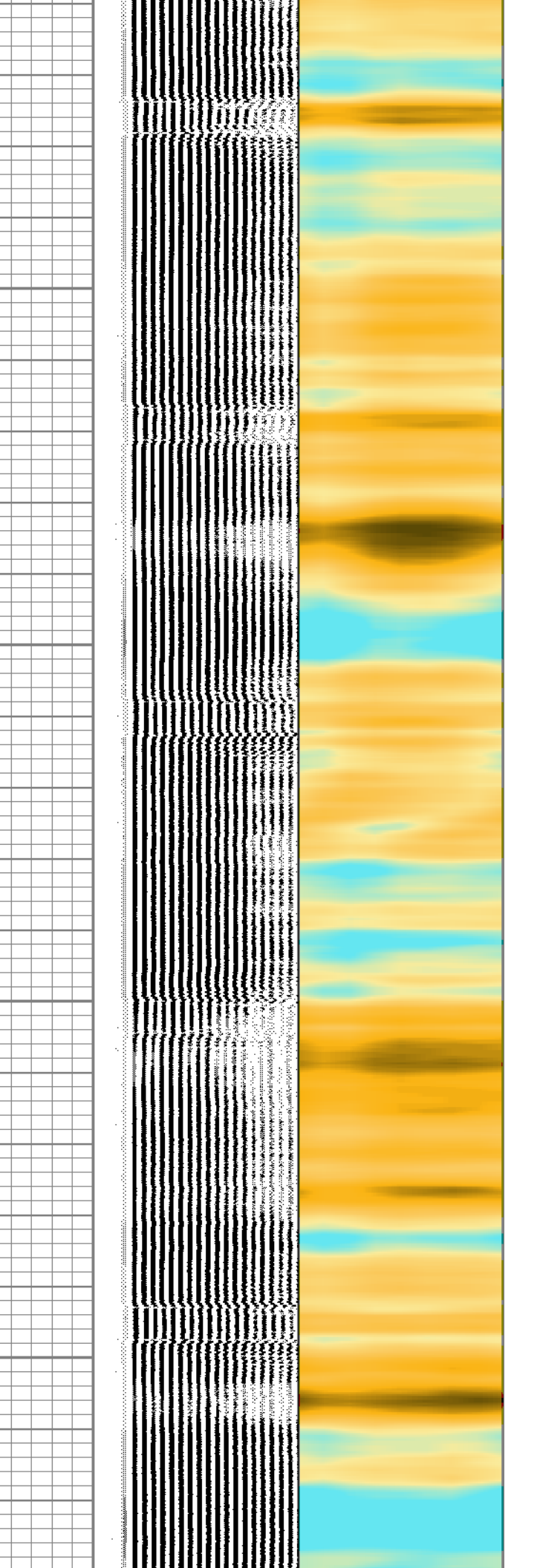
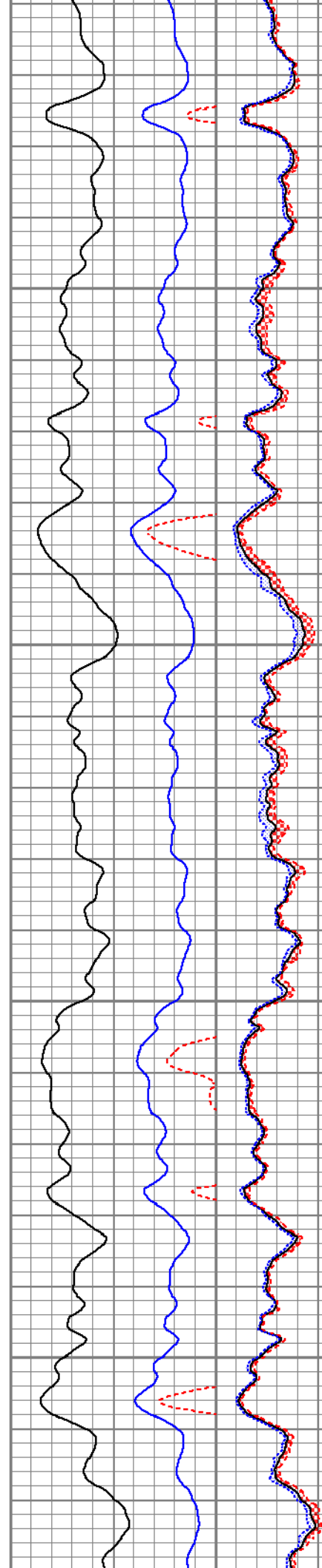


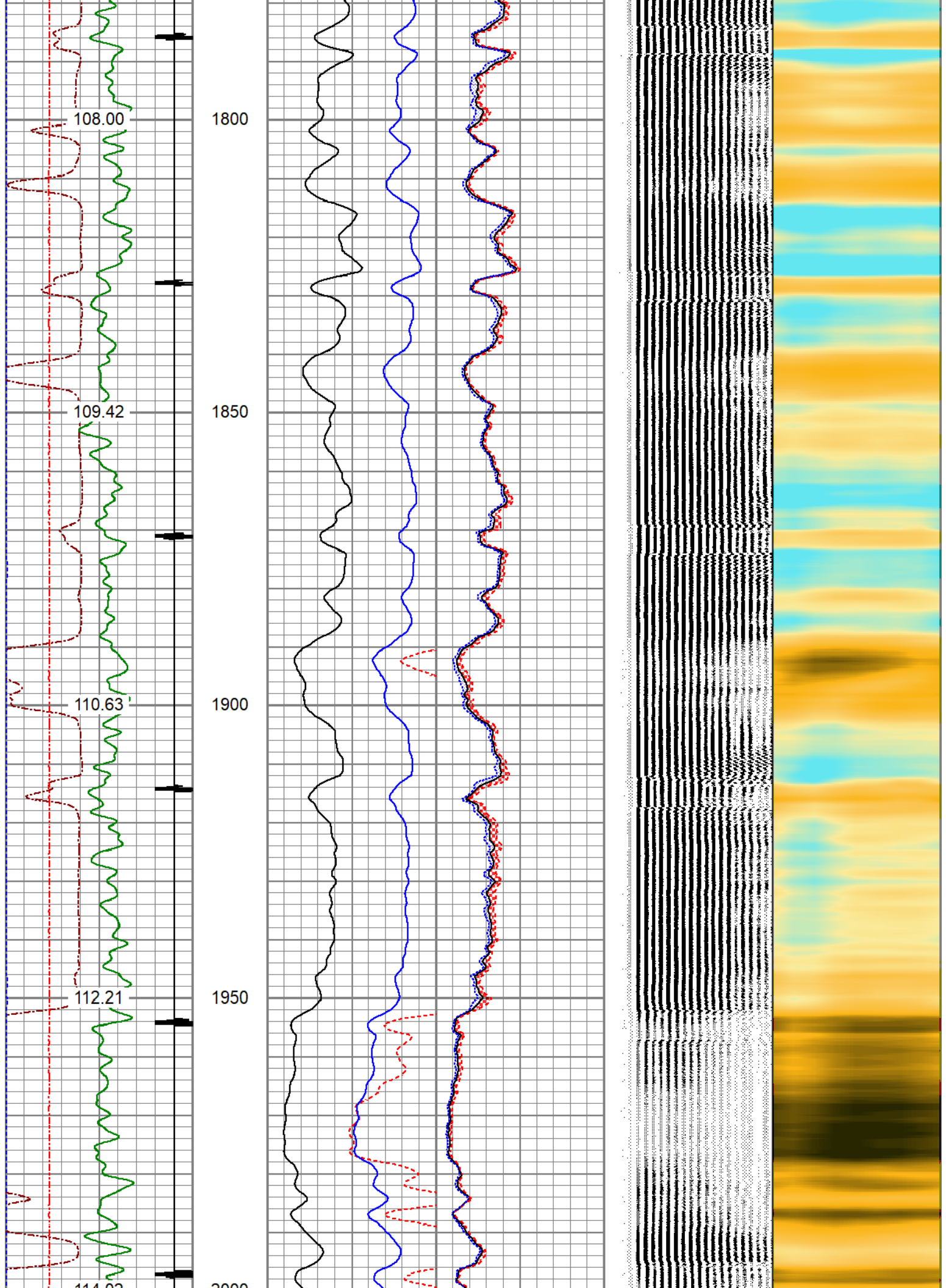


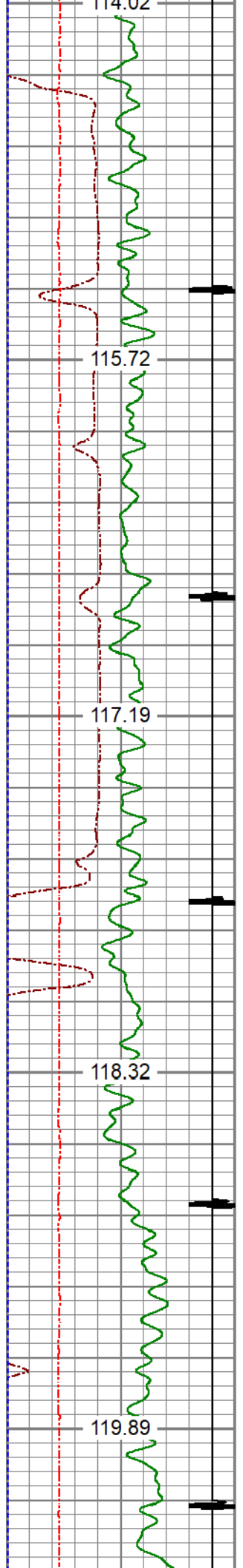




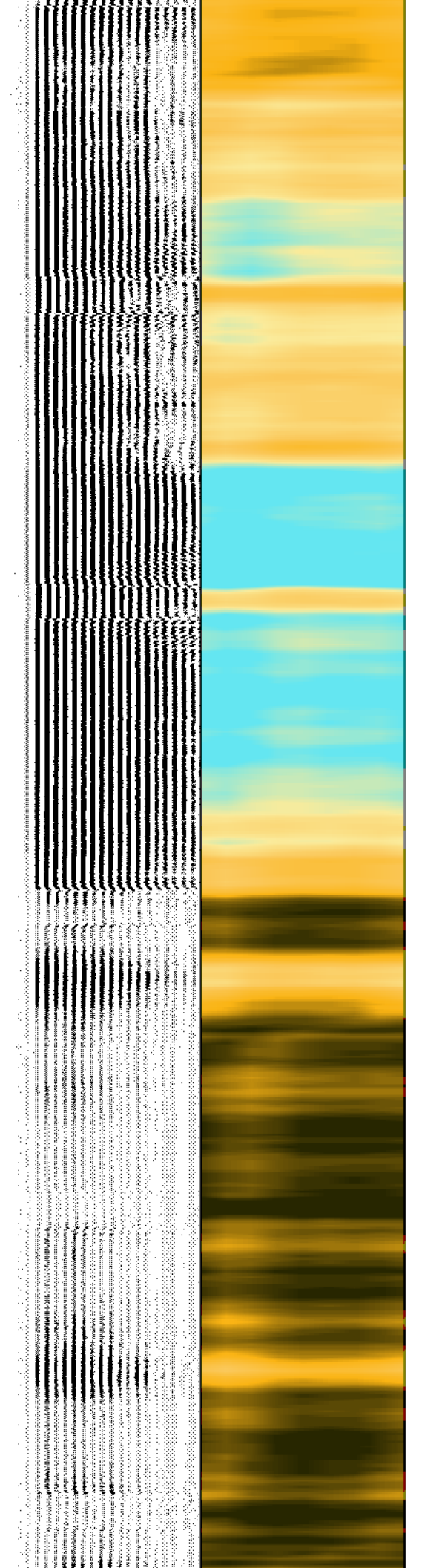
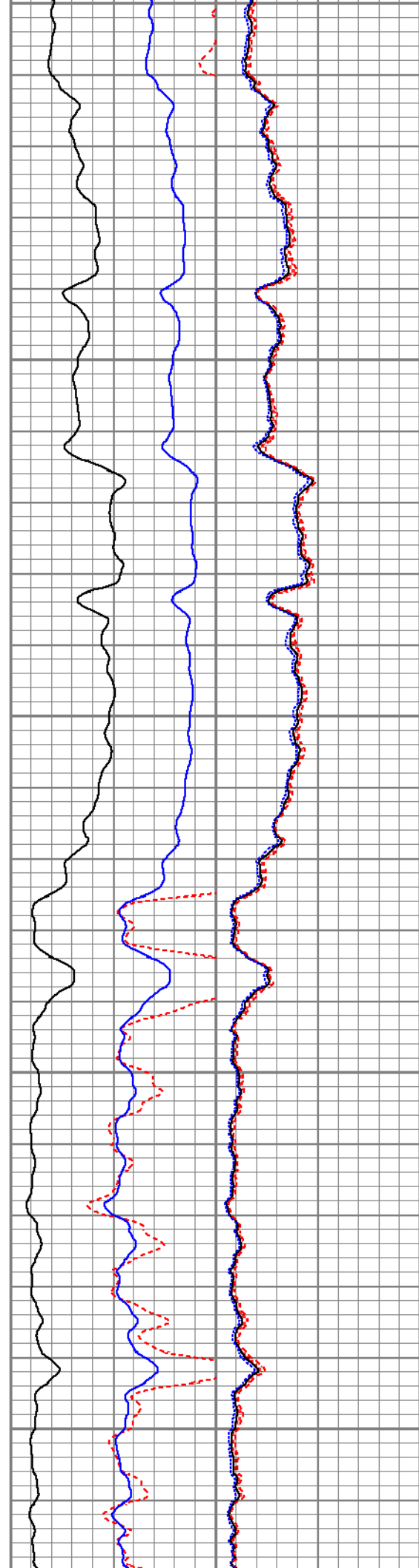
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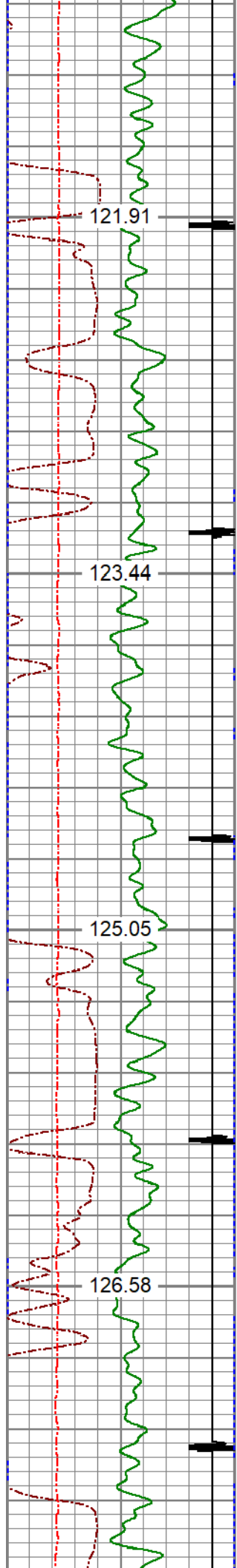




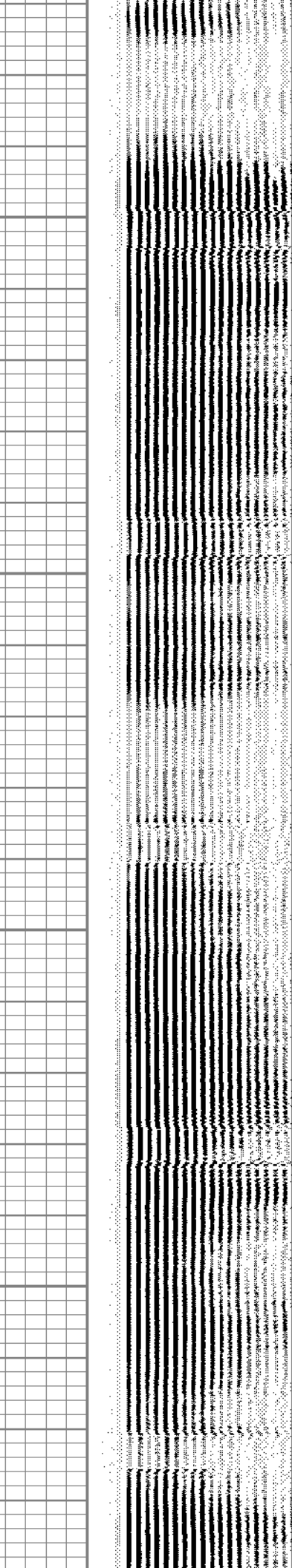
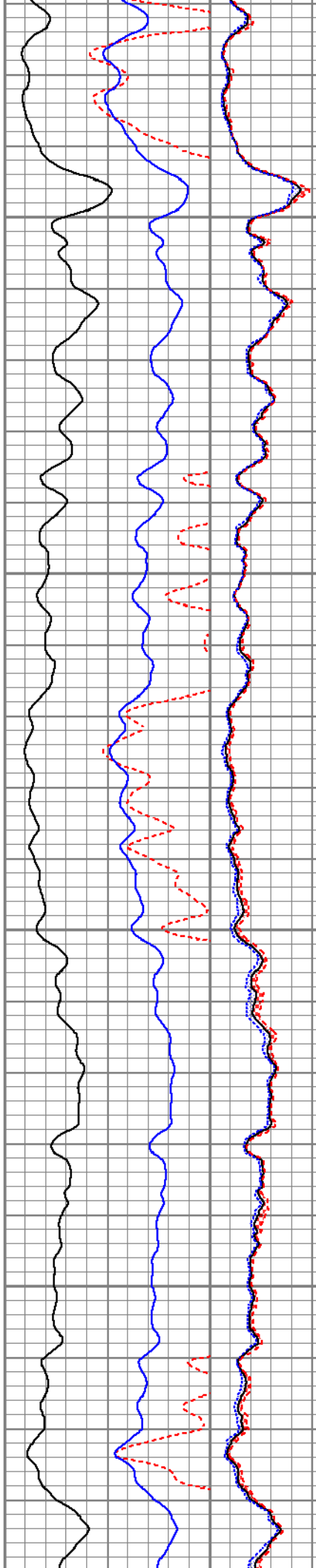


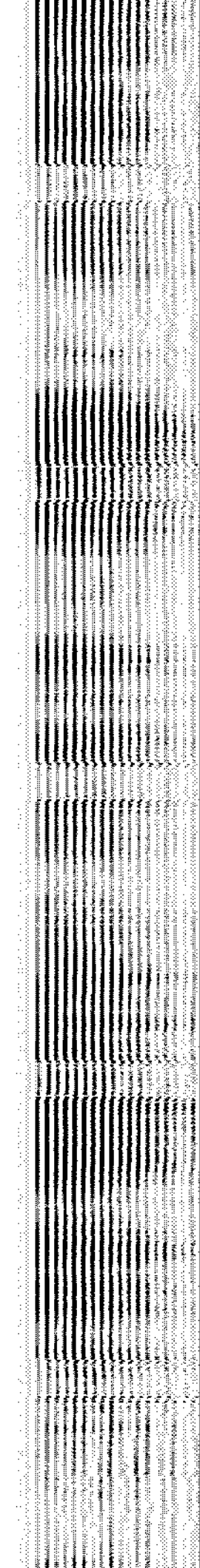
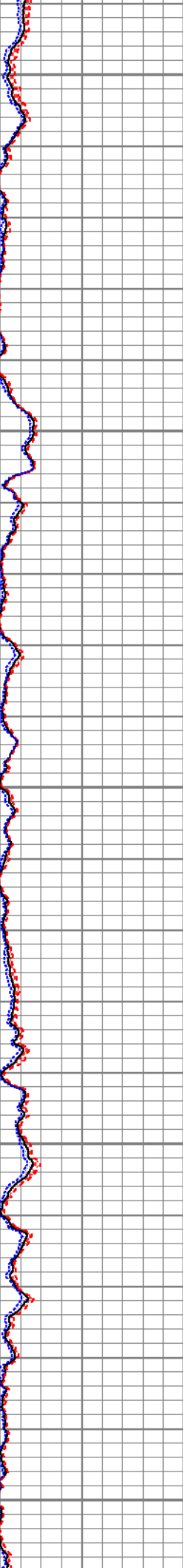
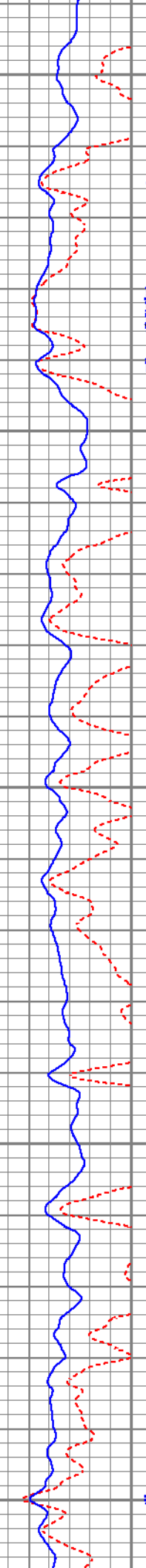
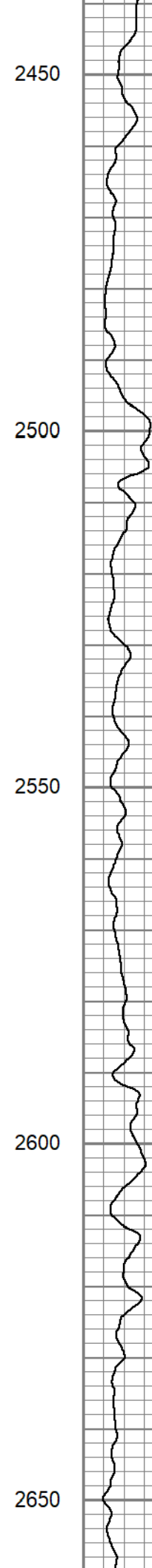
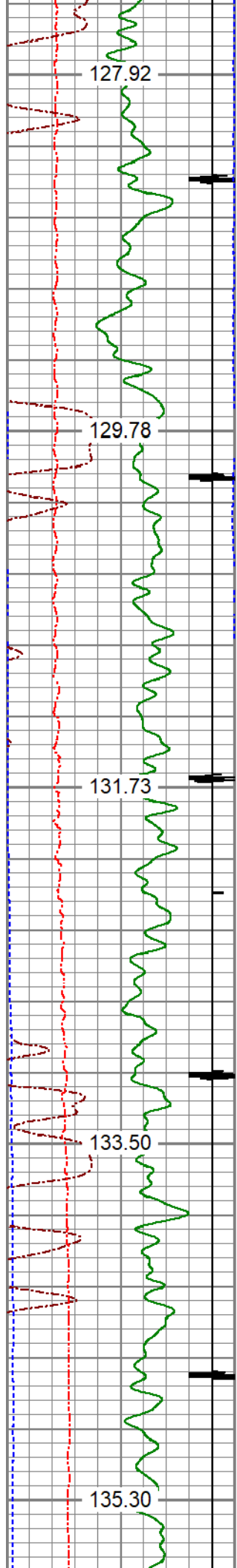
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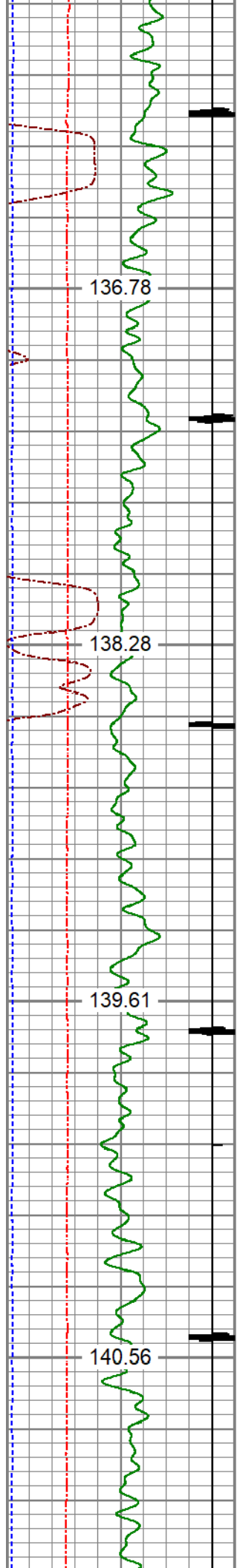




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2300
2350
2400





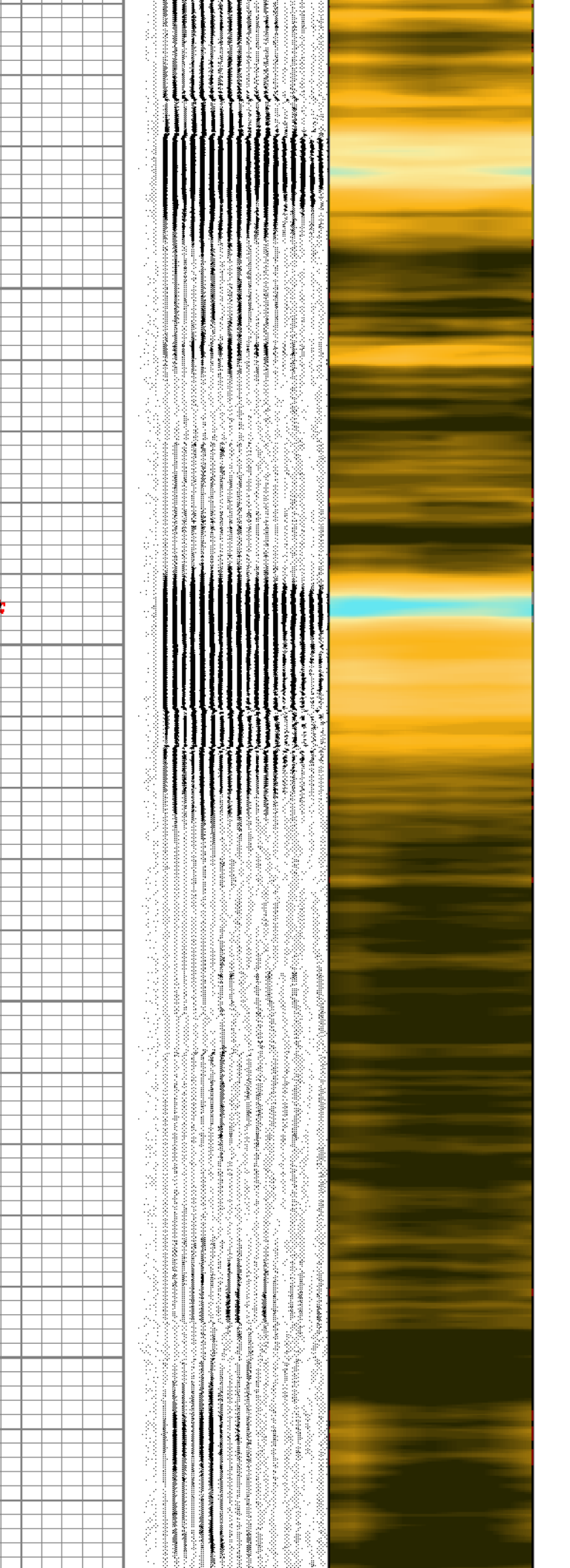
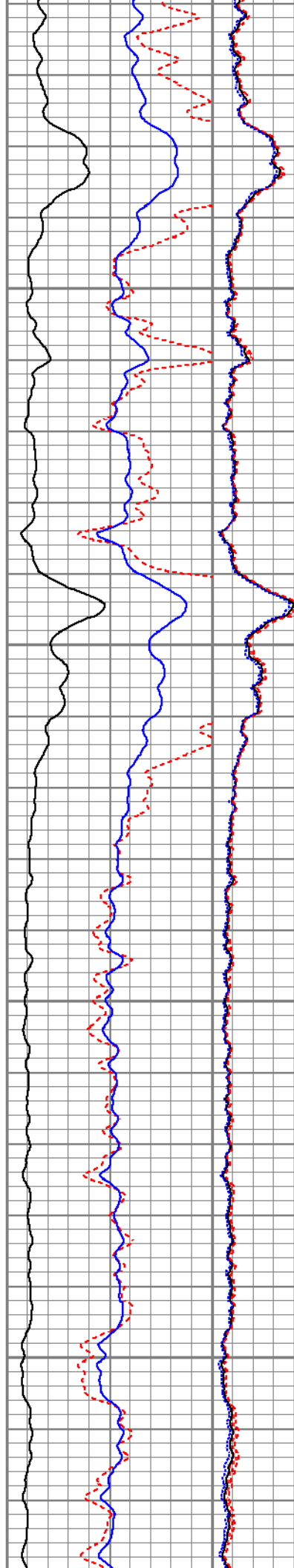


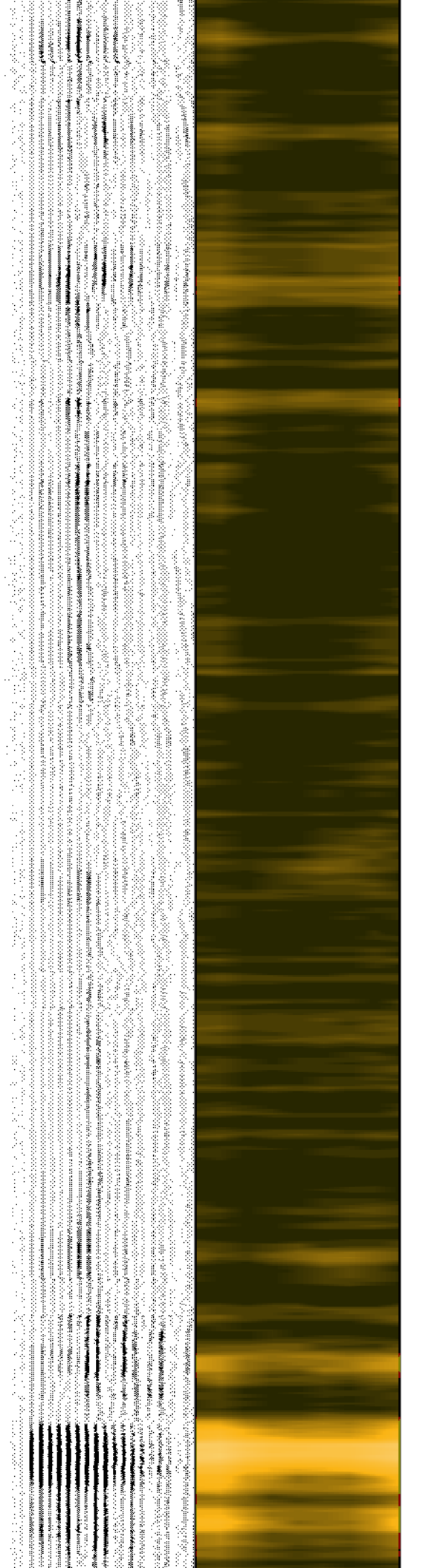
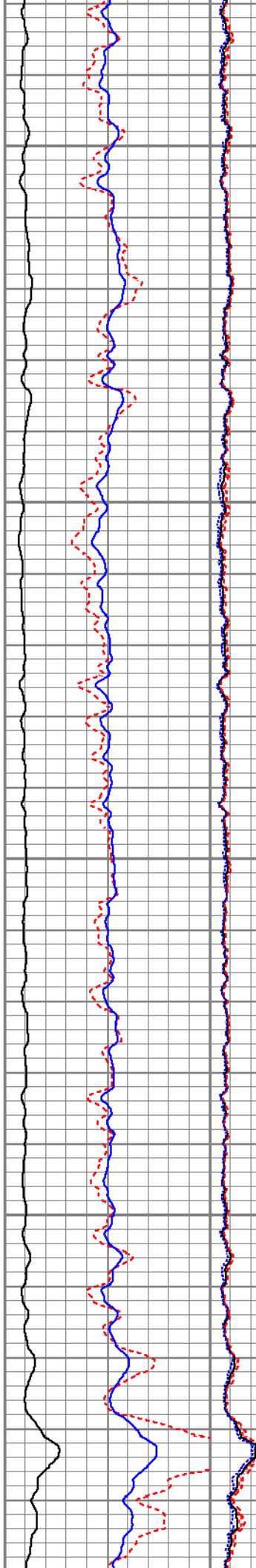
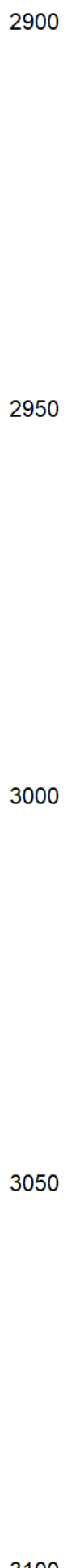
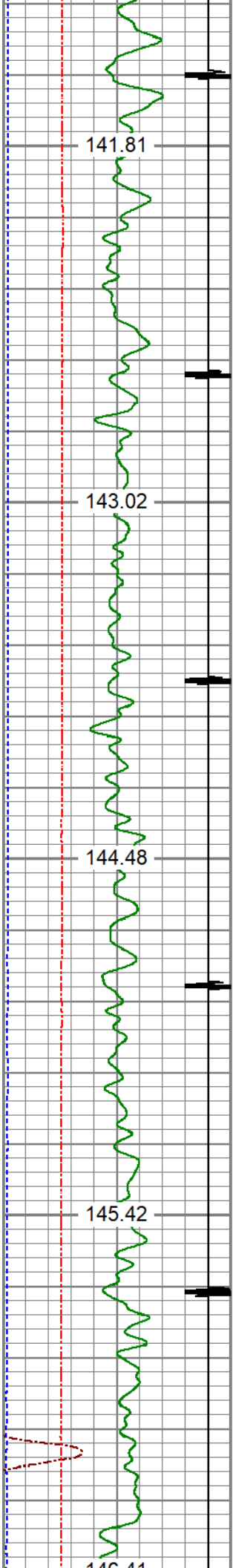
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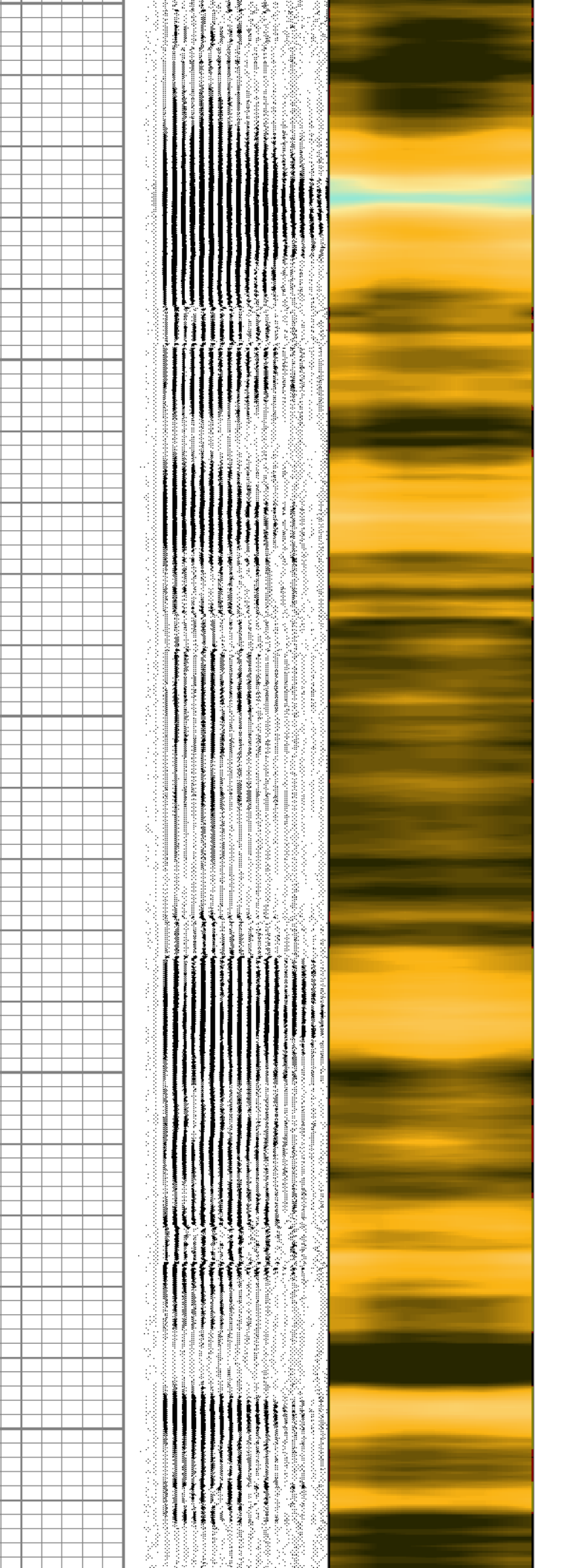
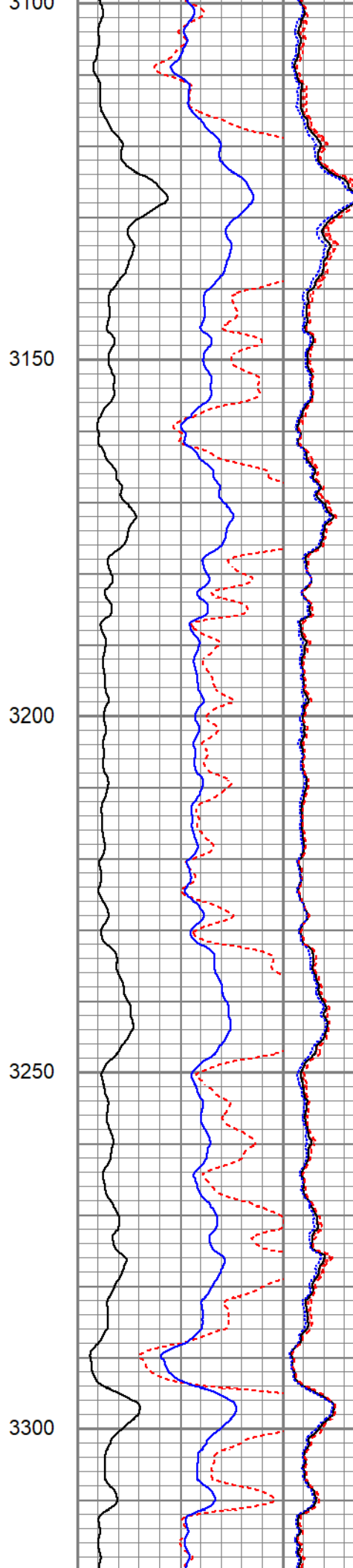
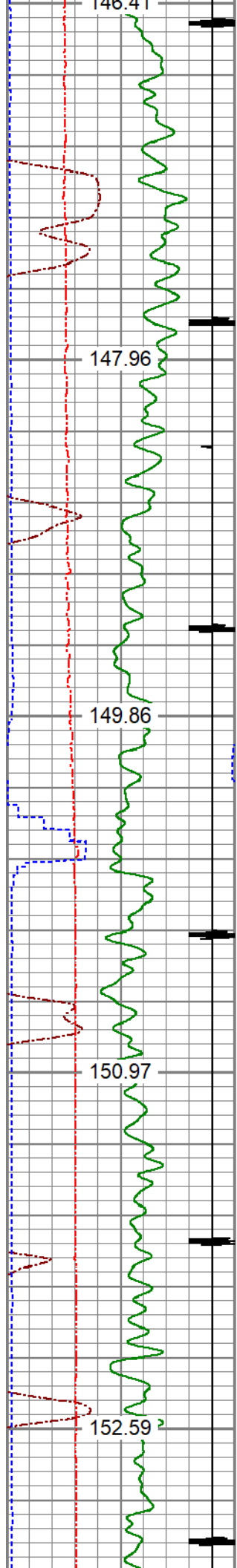
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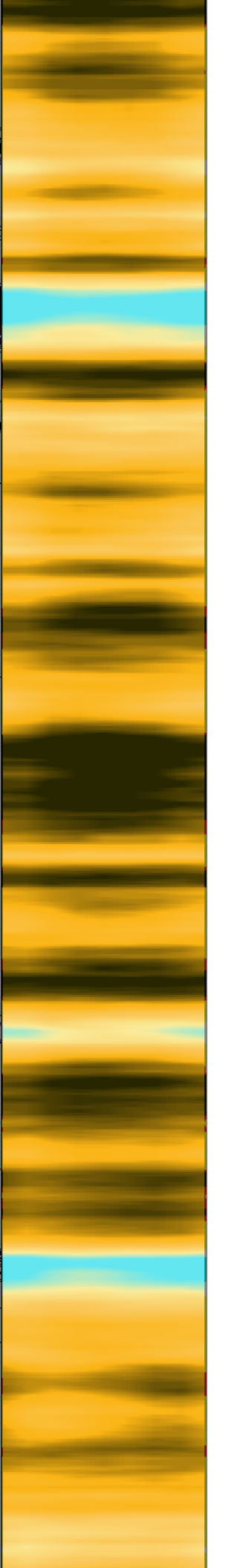
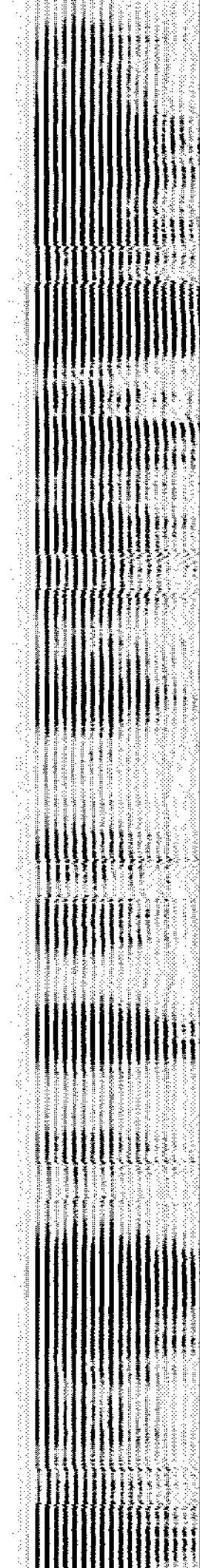
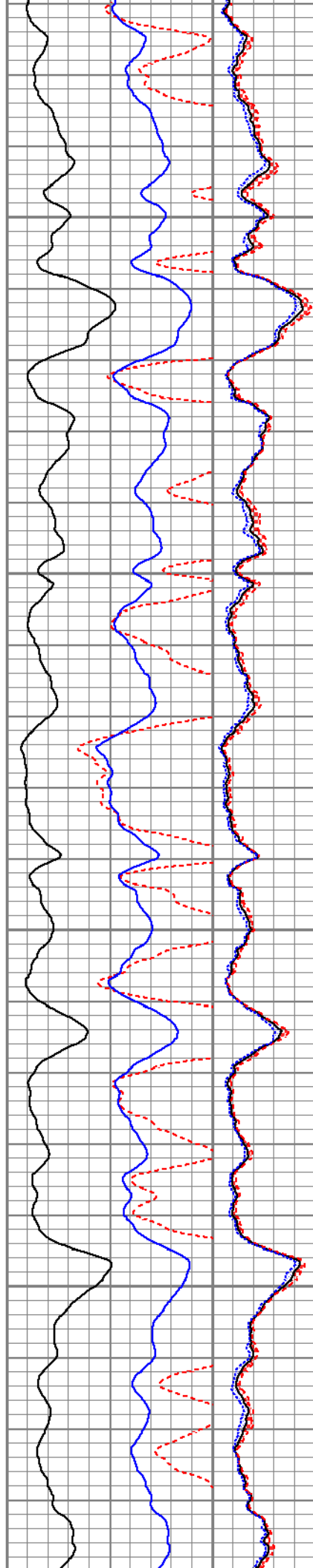
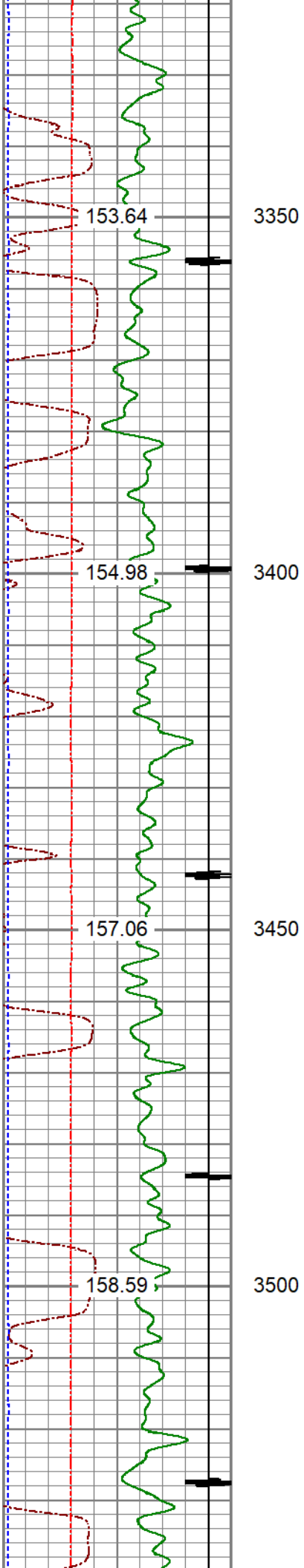
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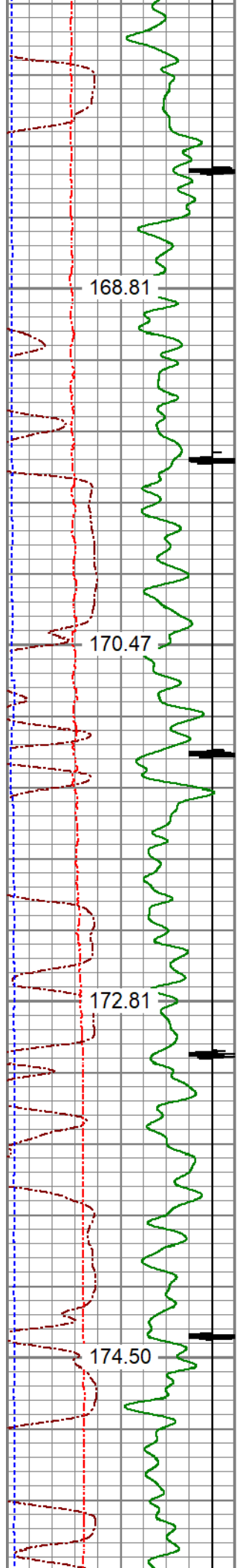
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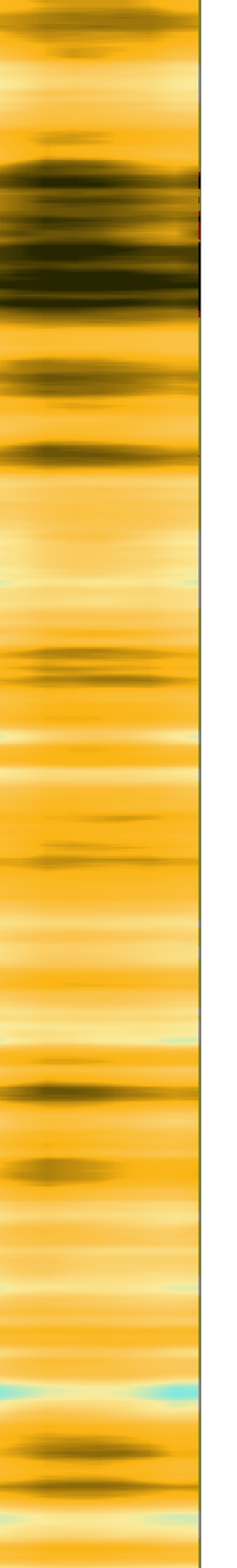
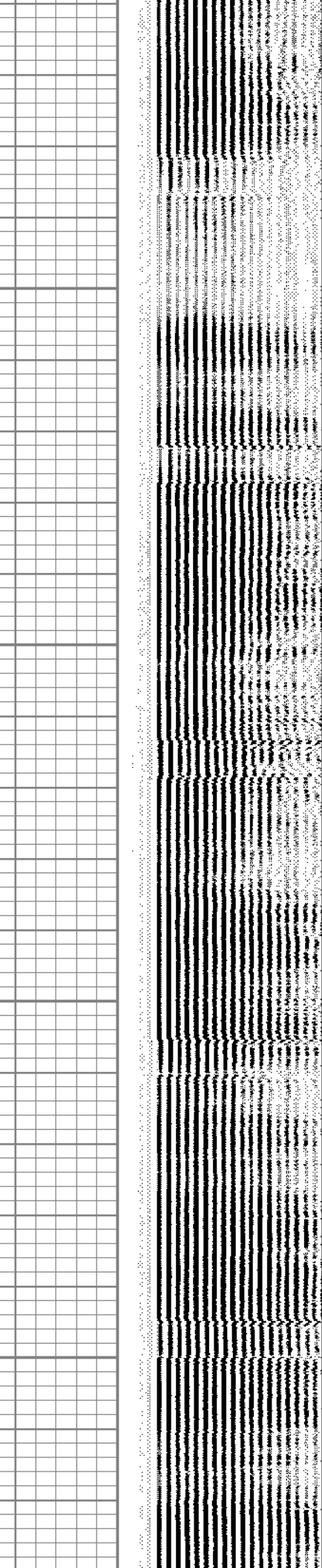
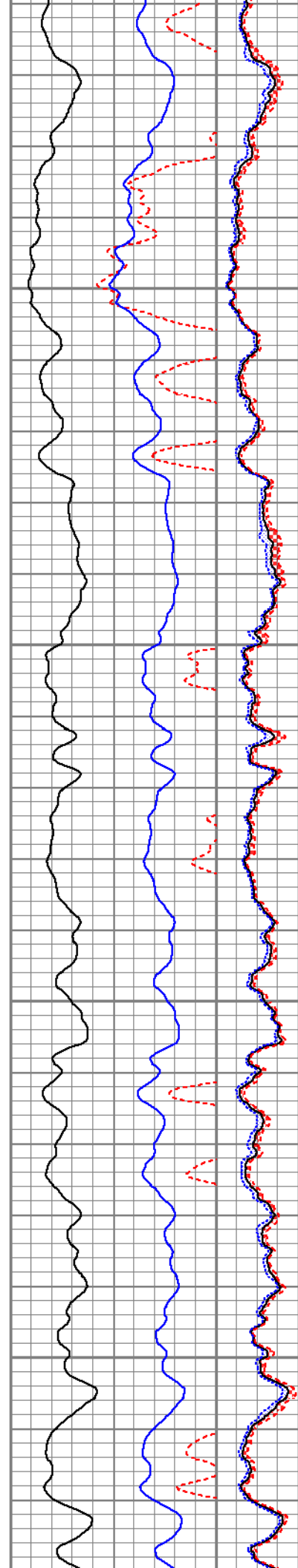


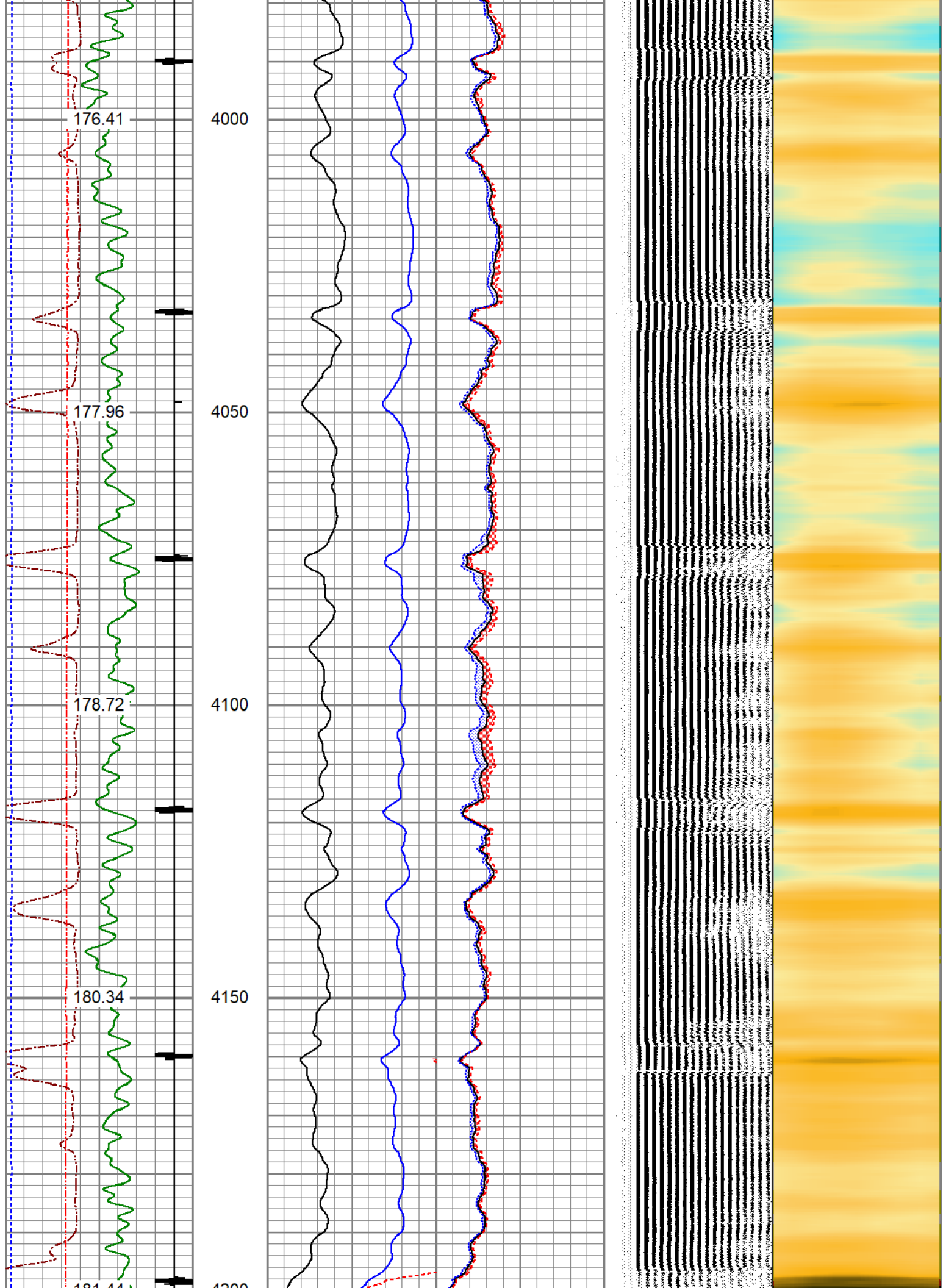


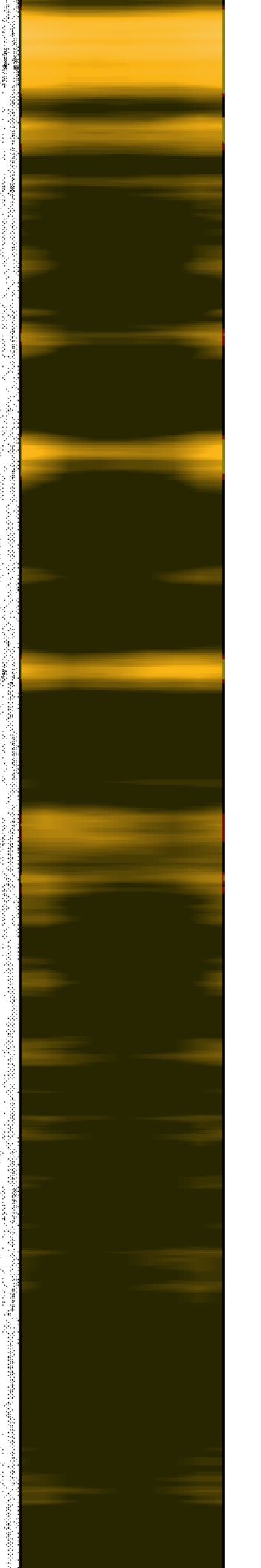
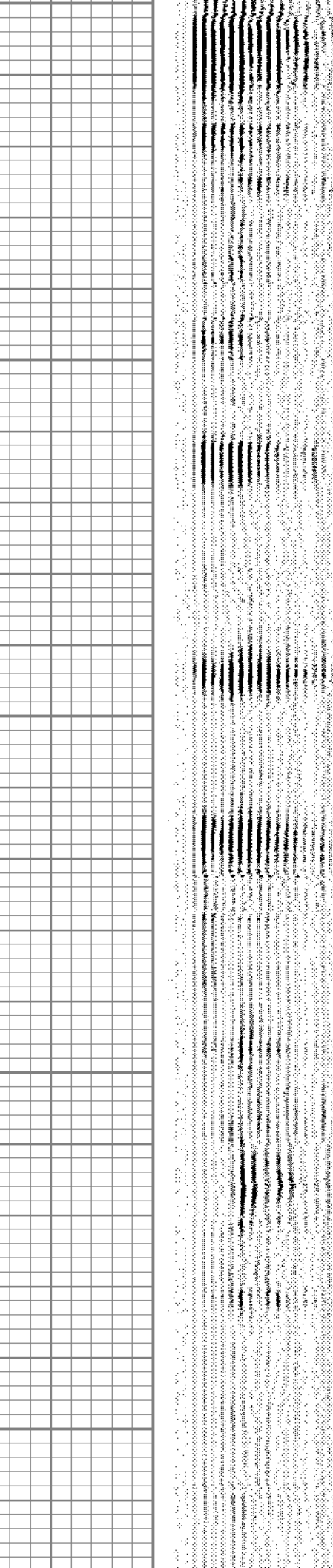
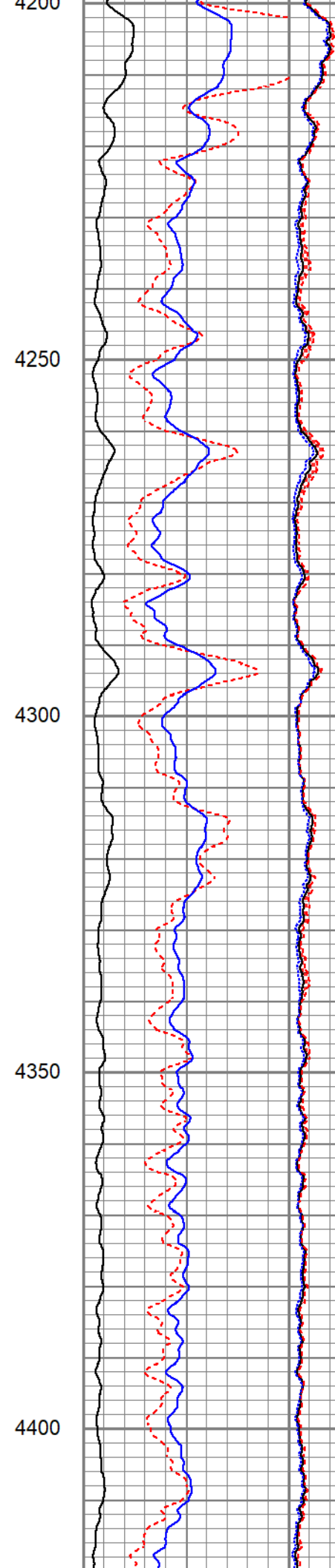
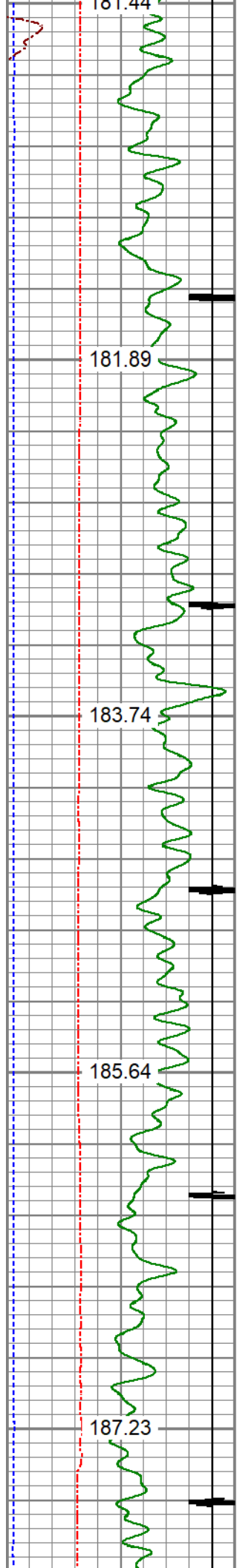


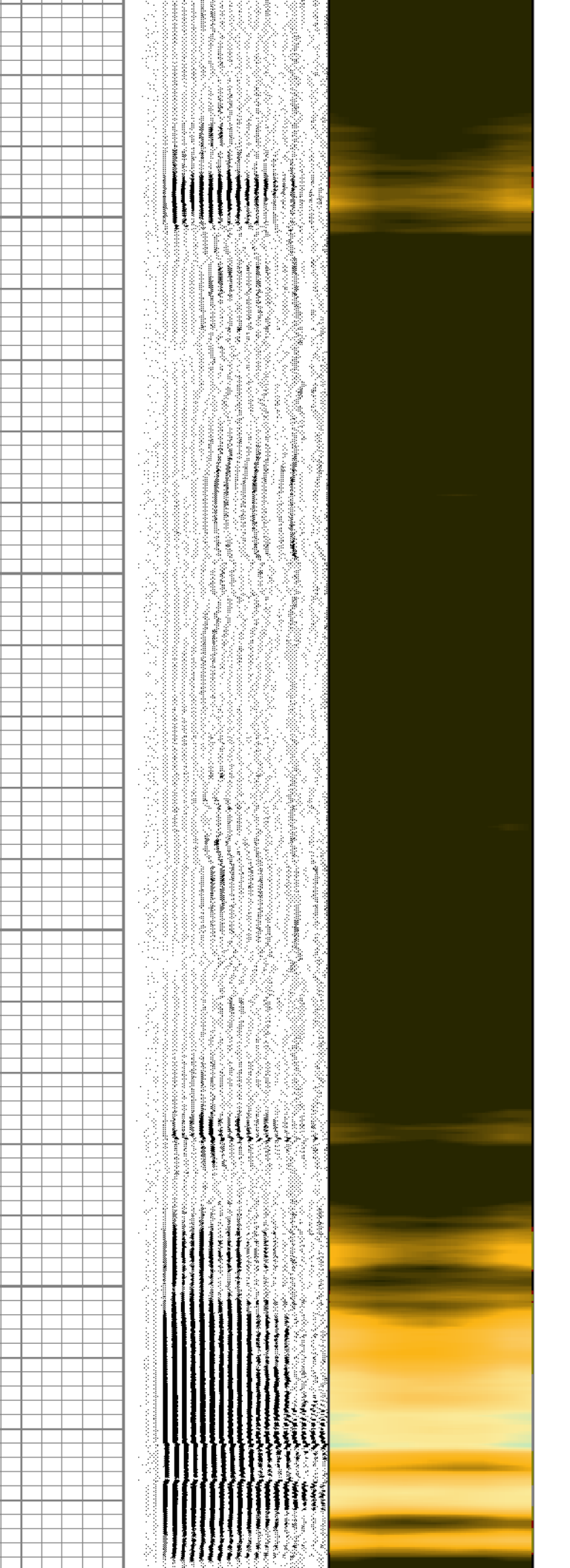
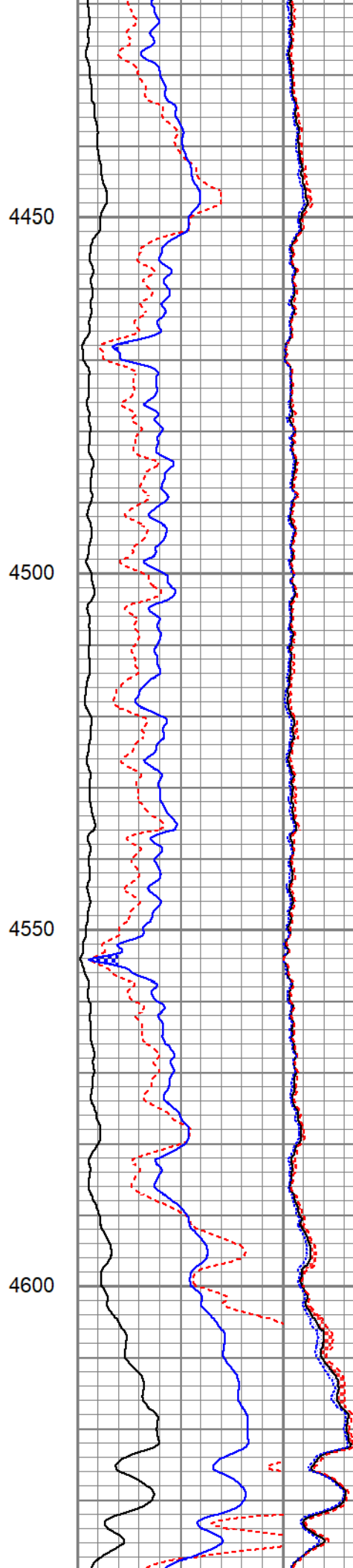
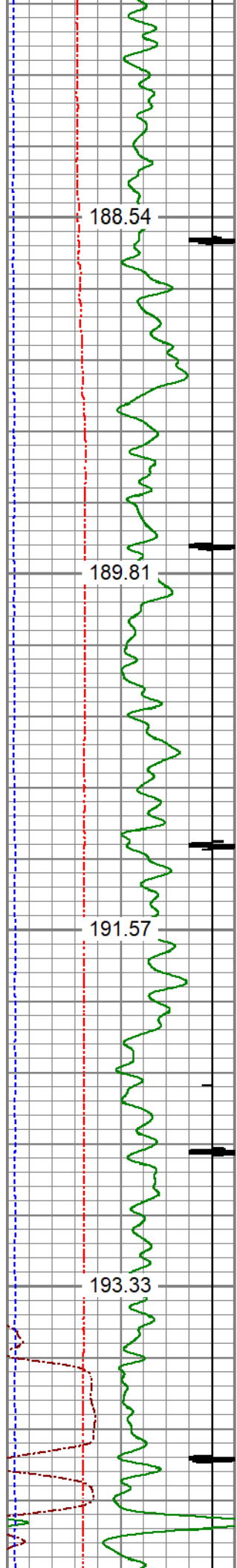


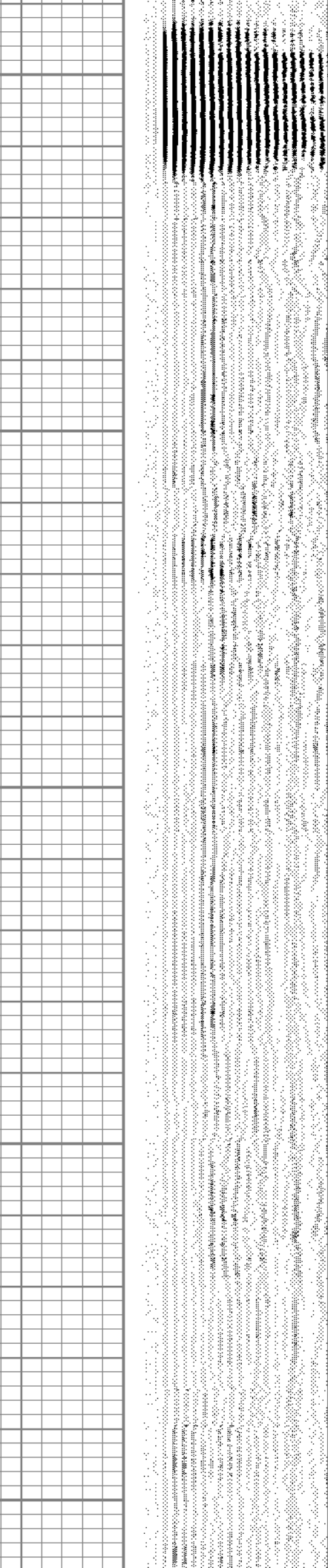
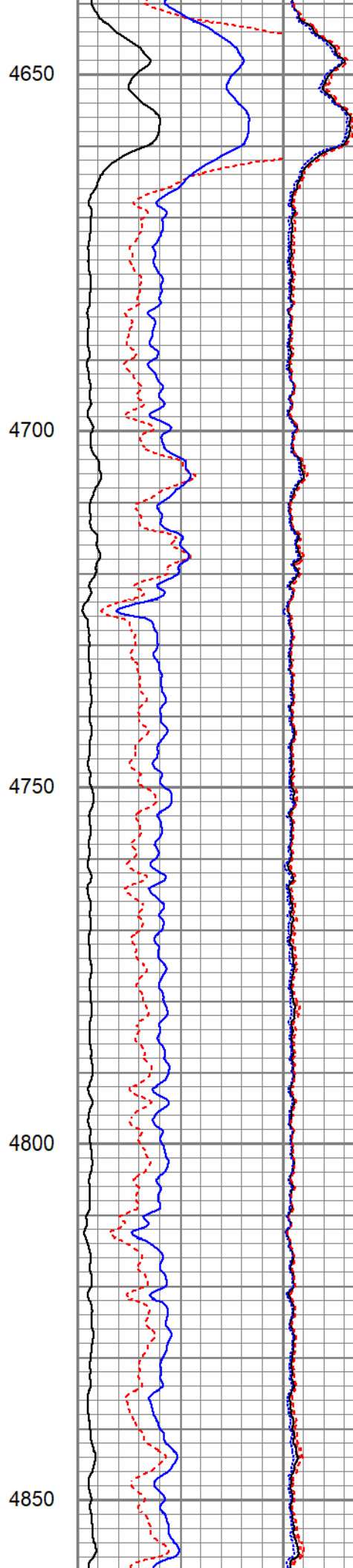
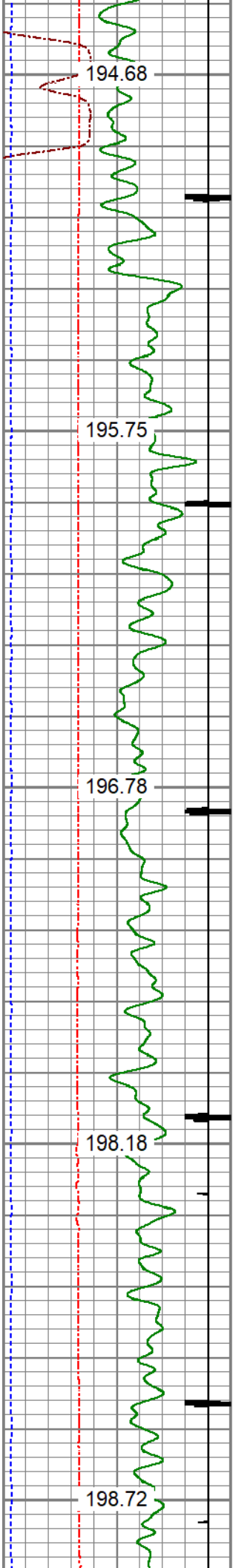
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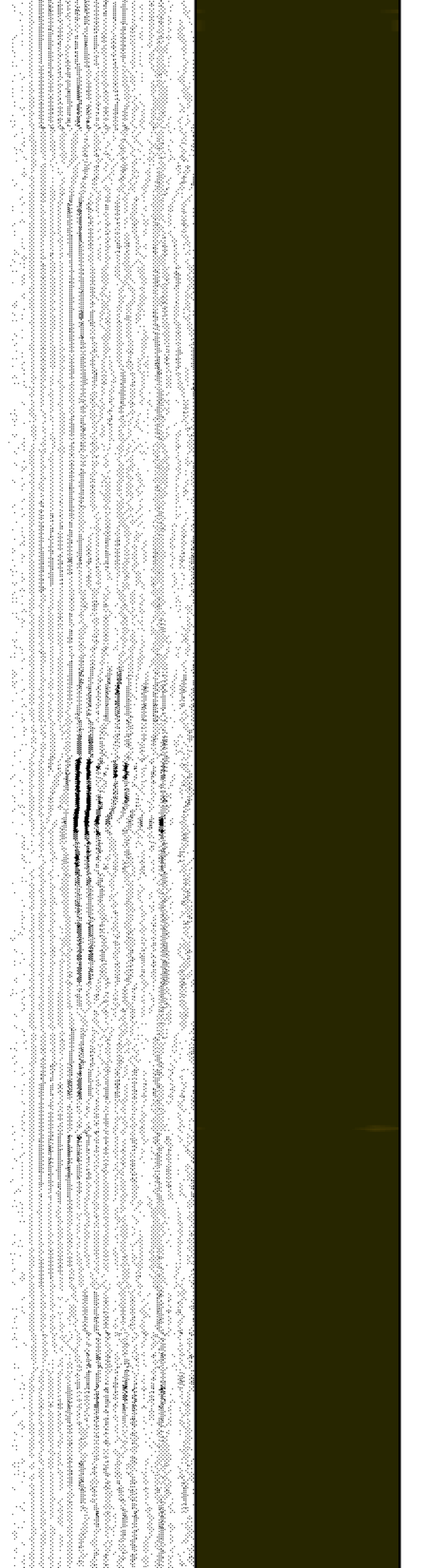
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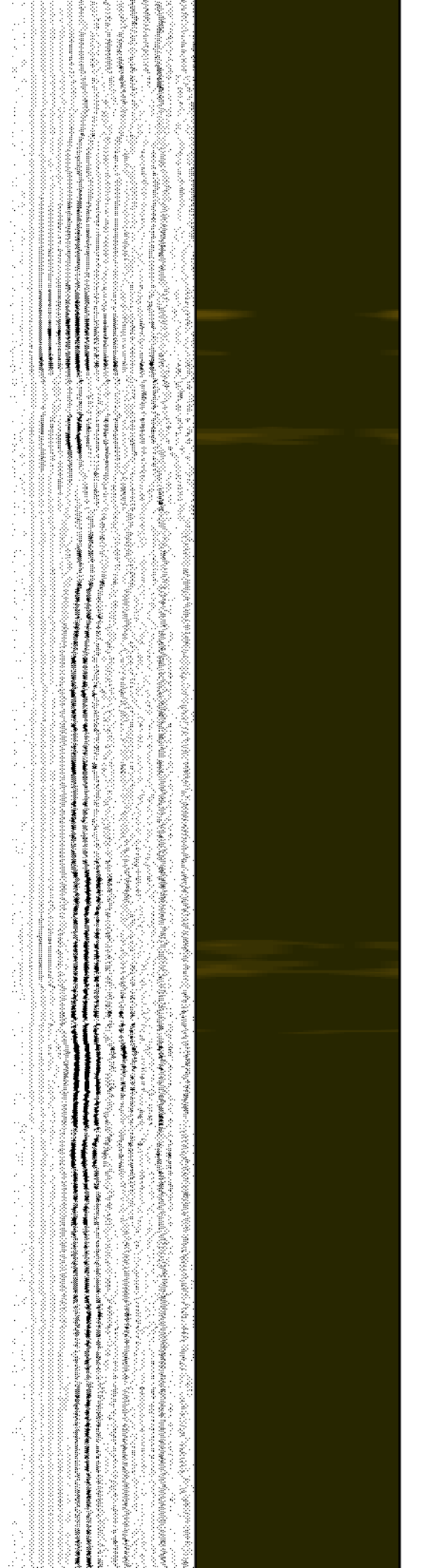
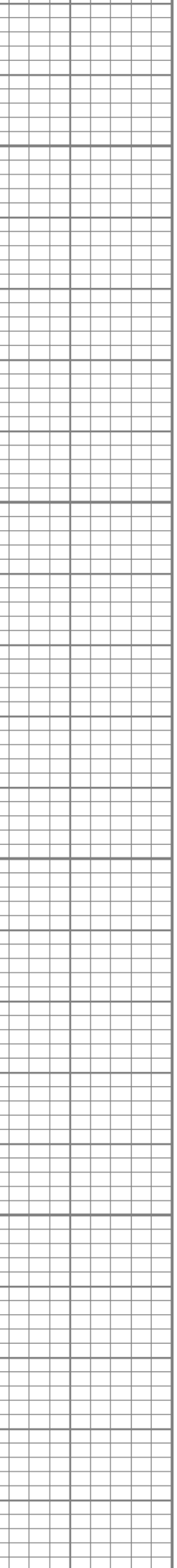
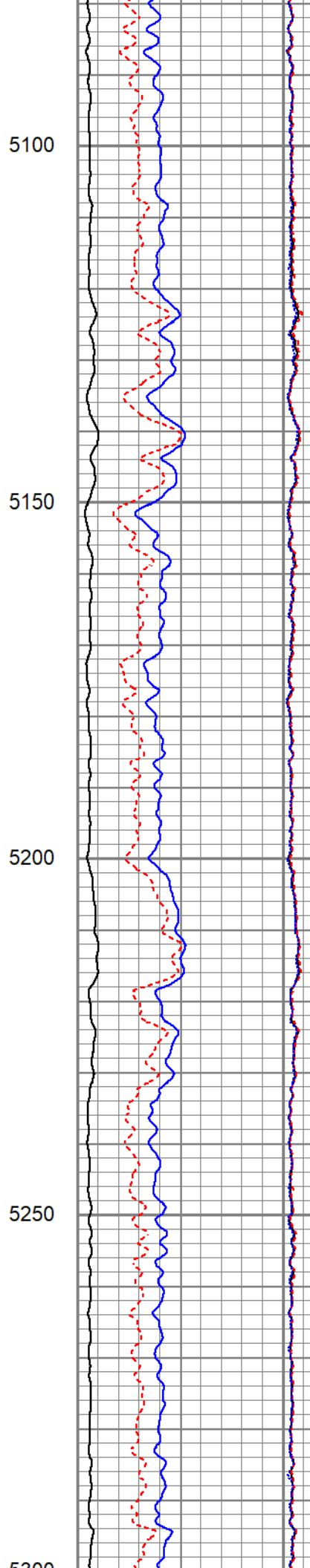
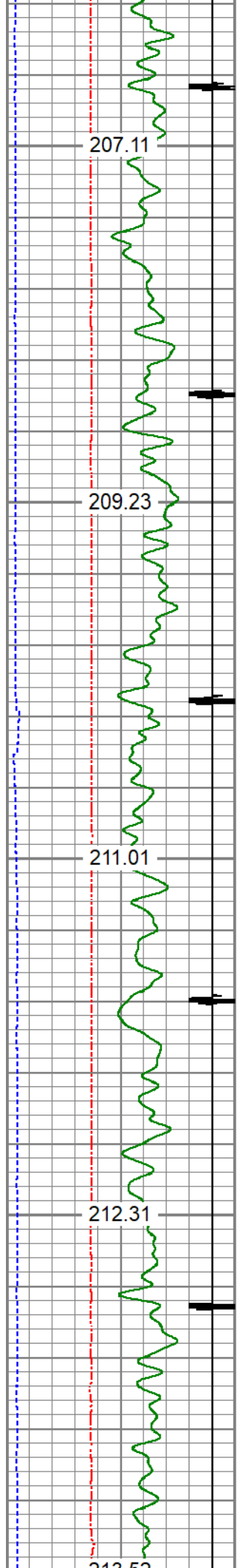
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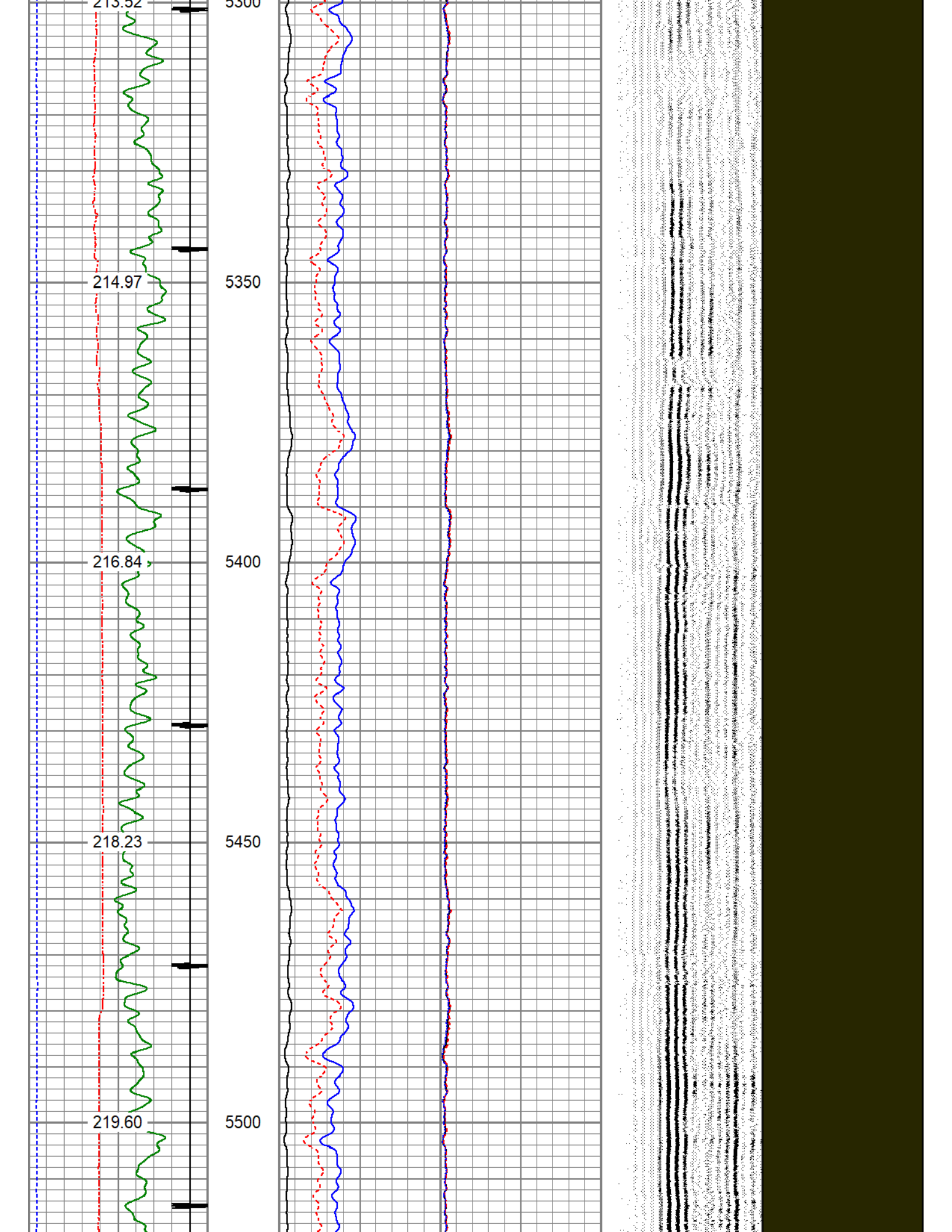
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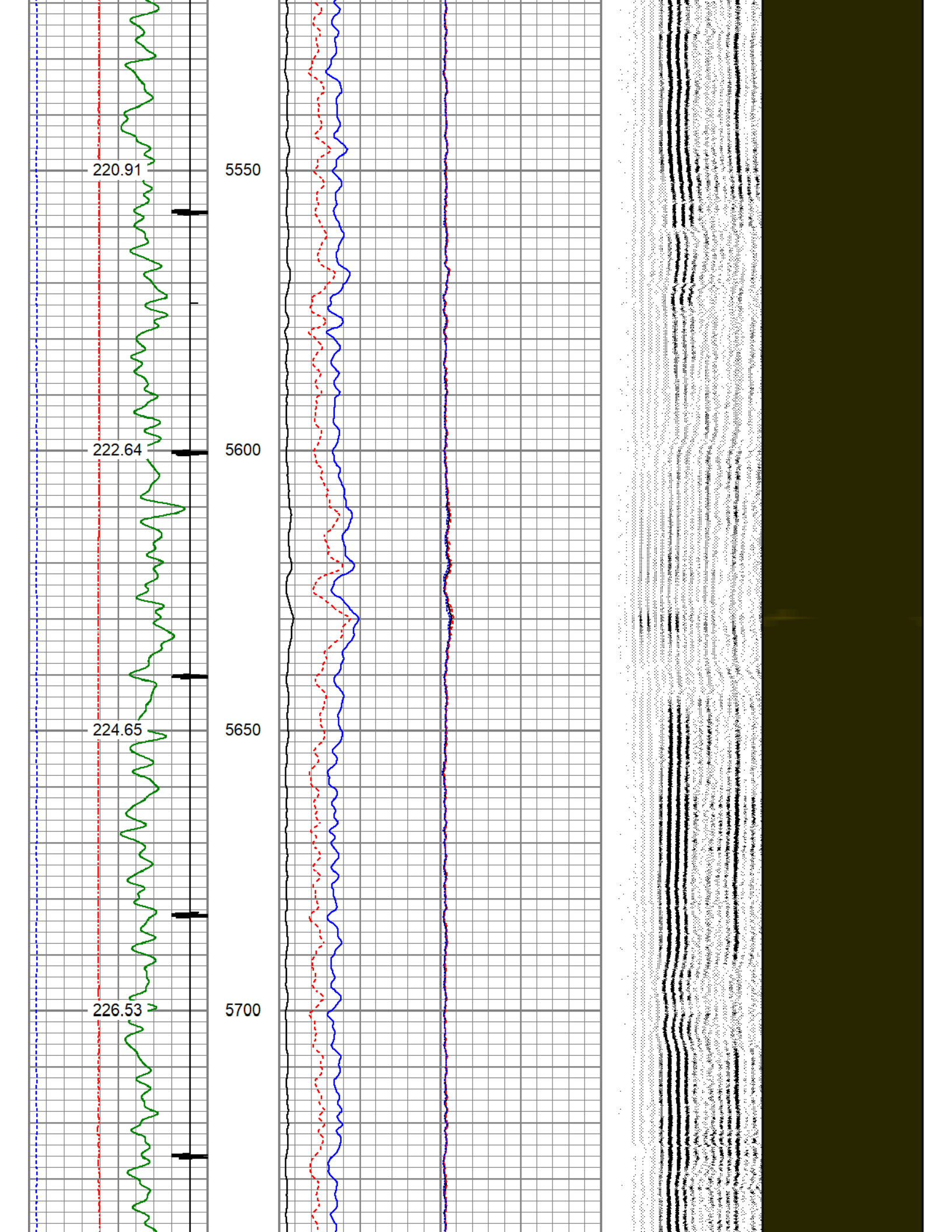
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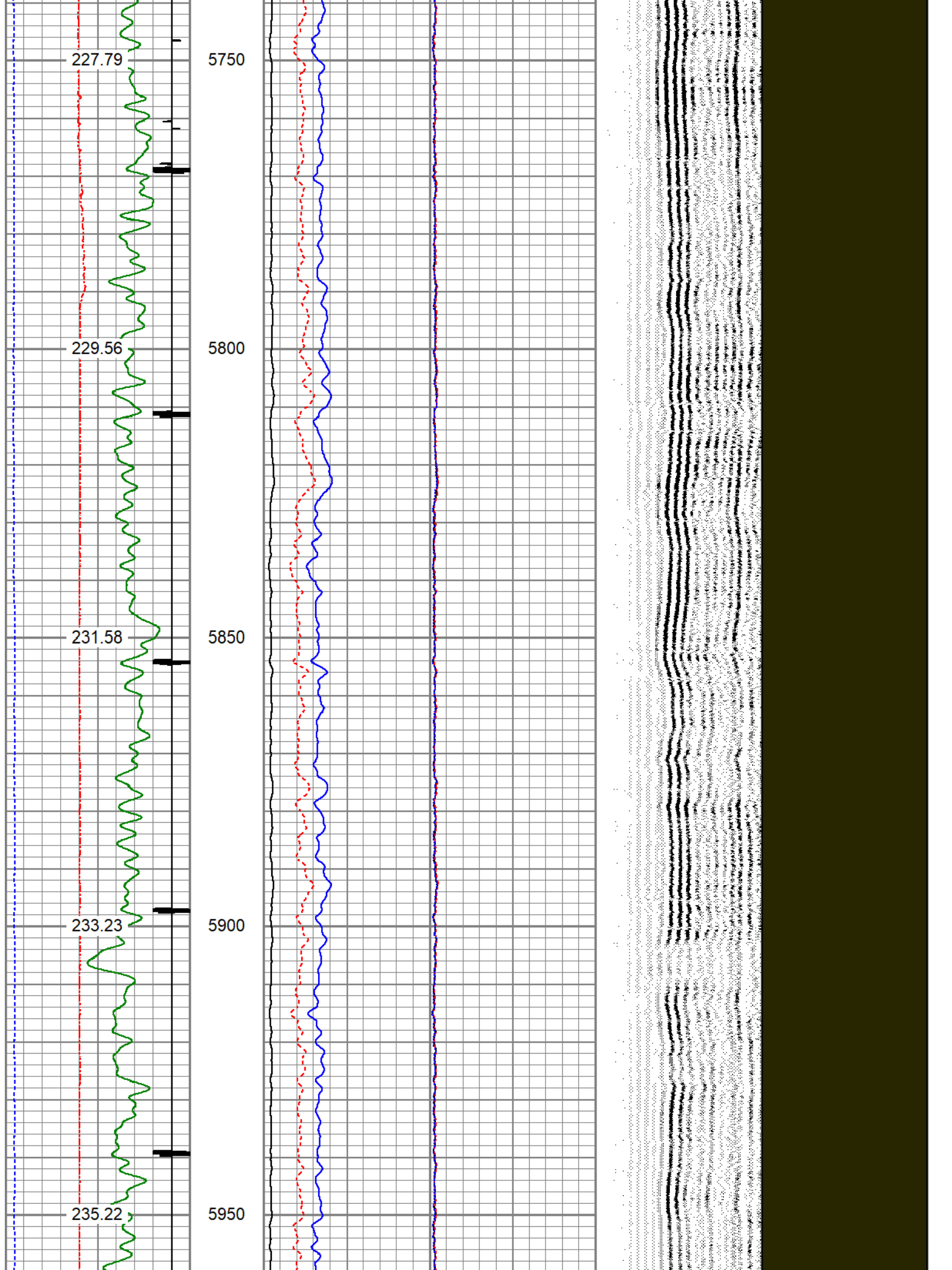
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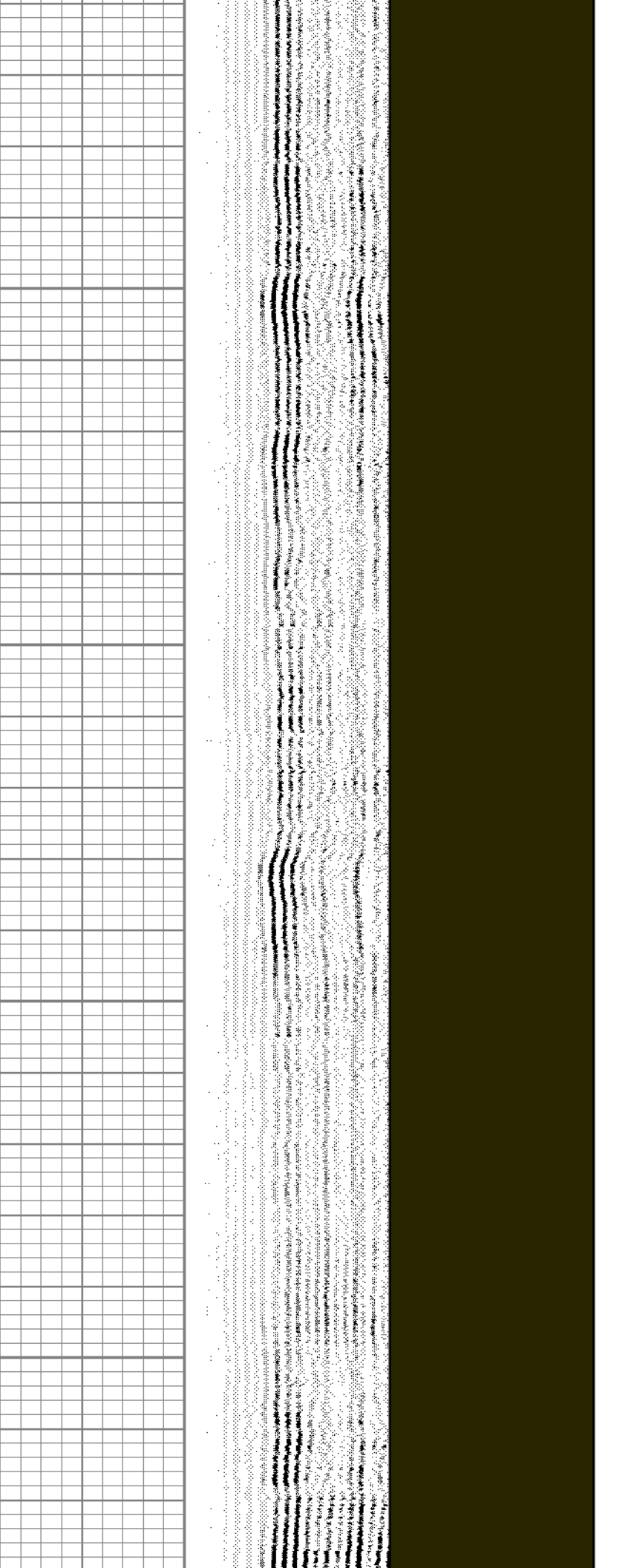
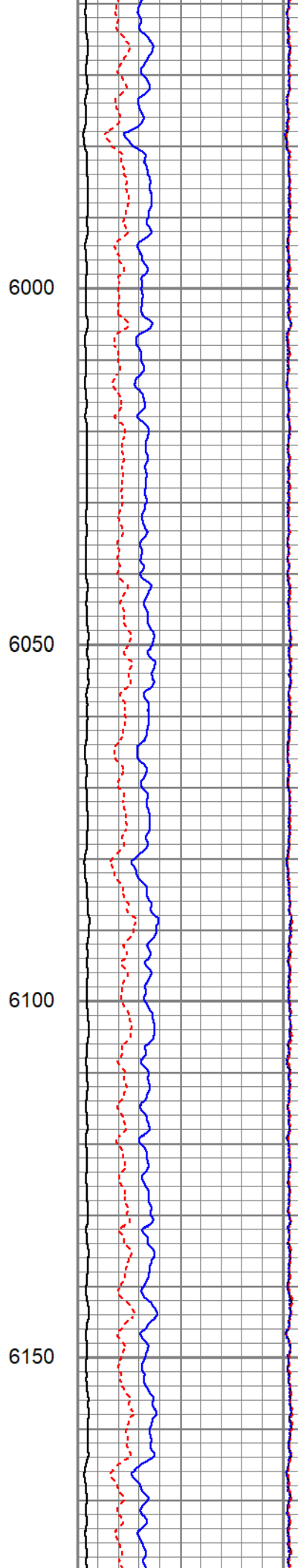
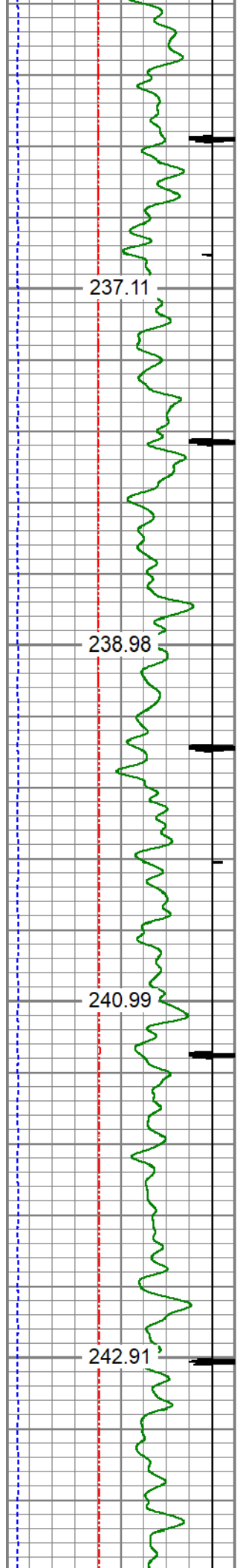
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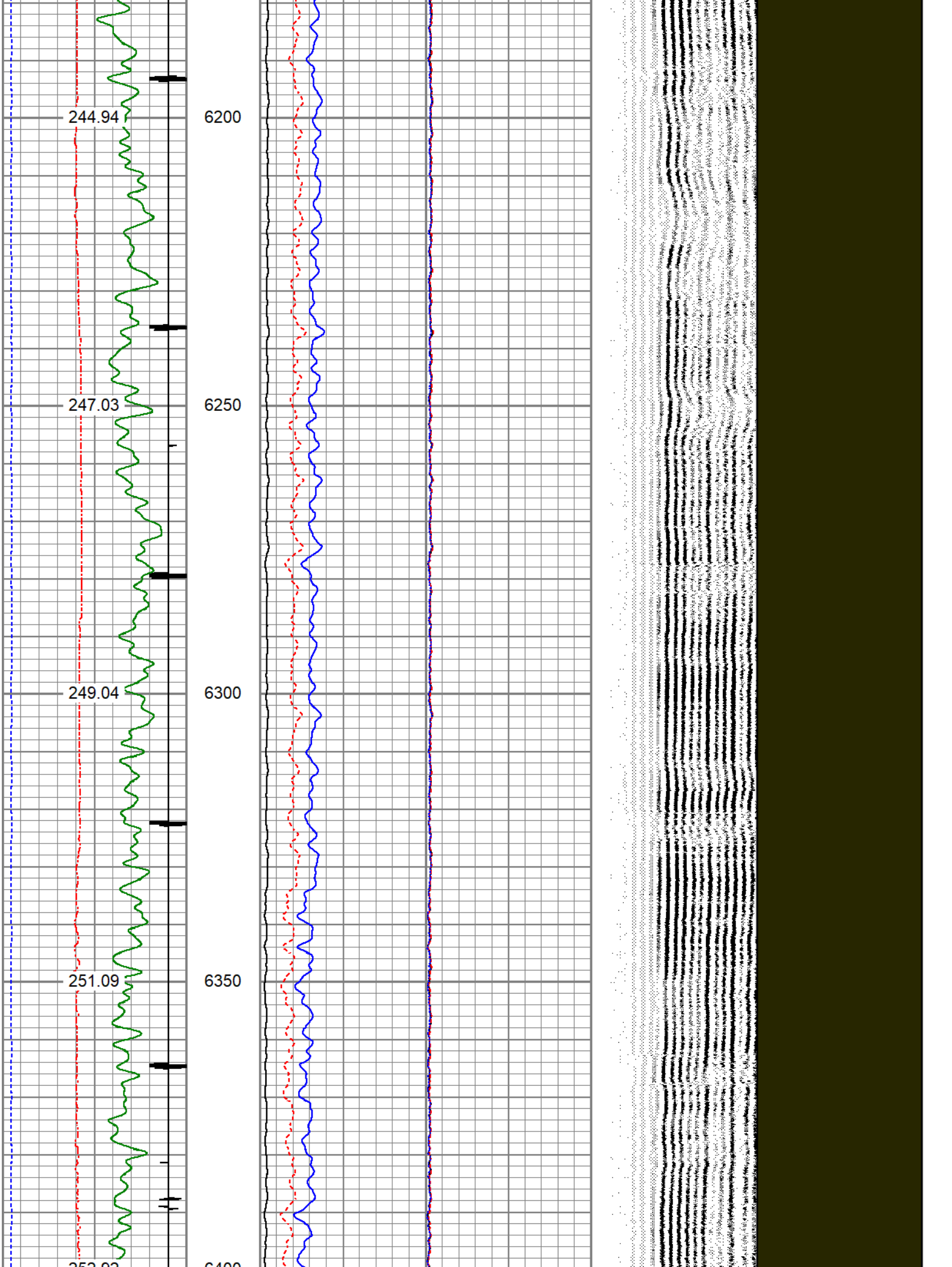
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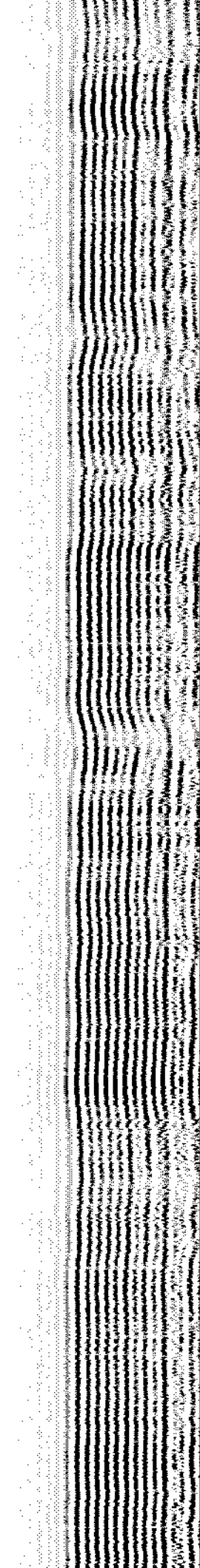
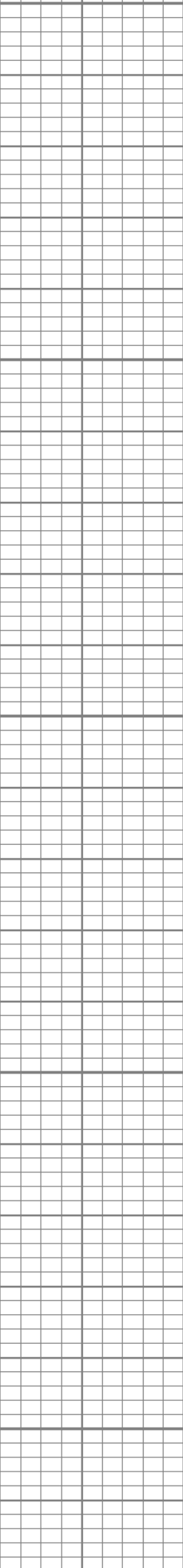
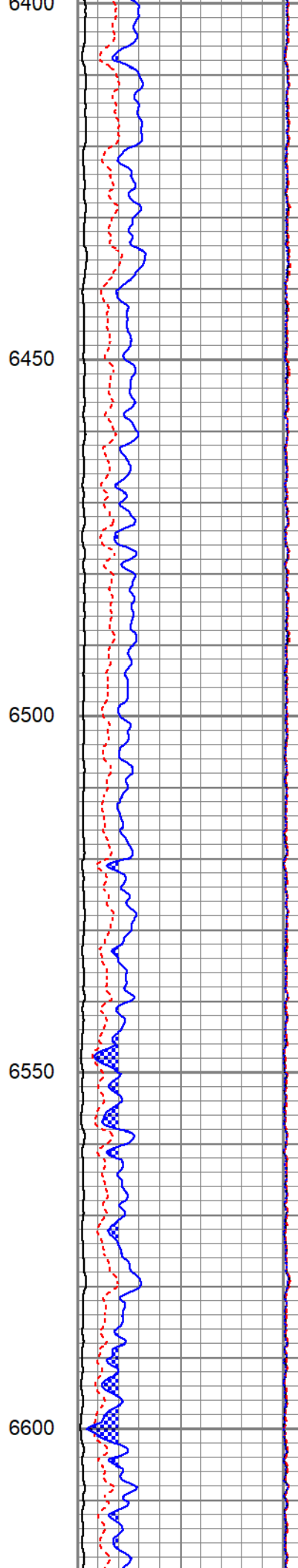
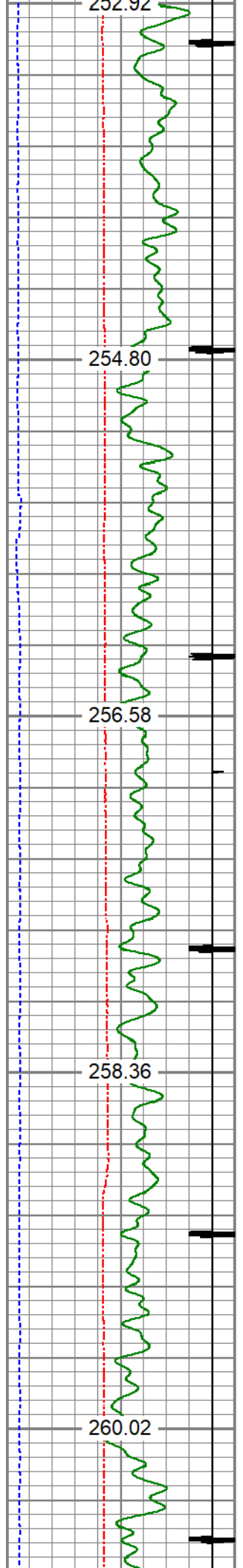
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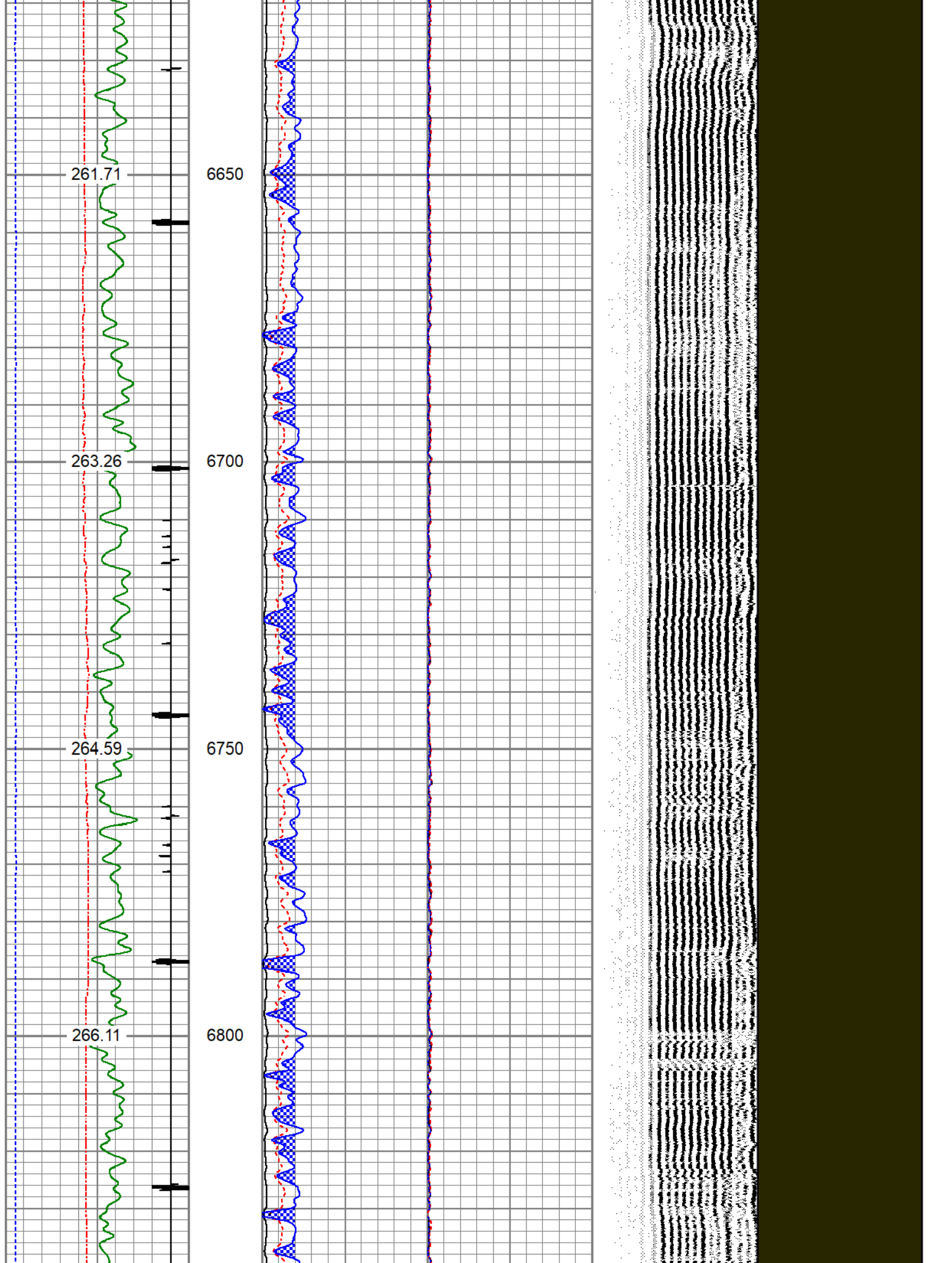
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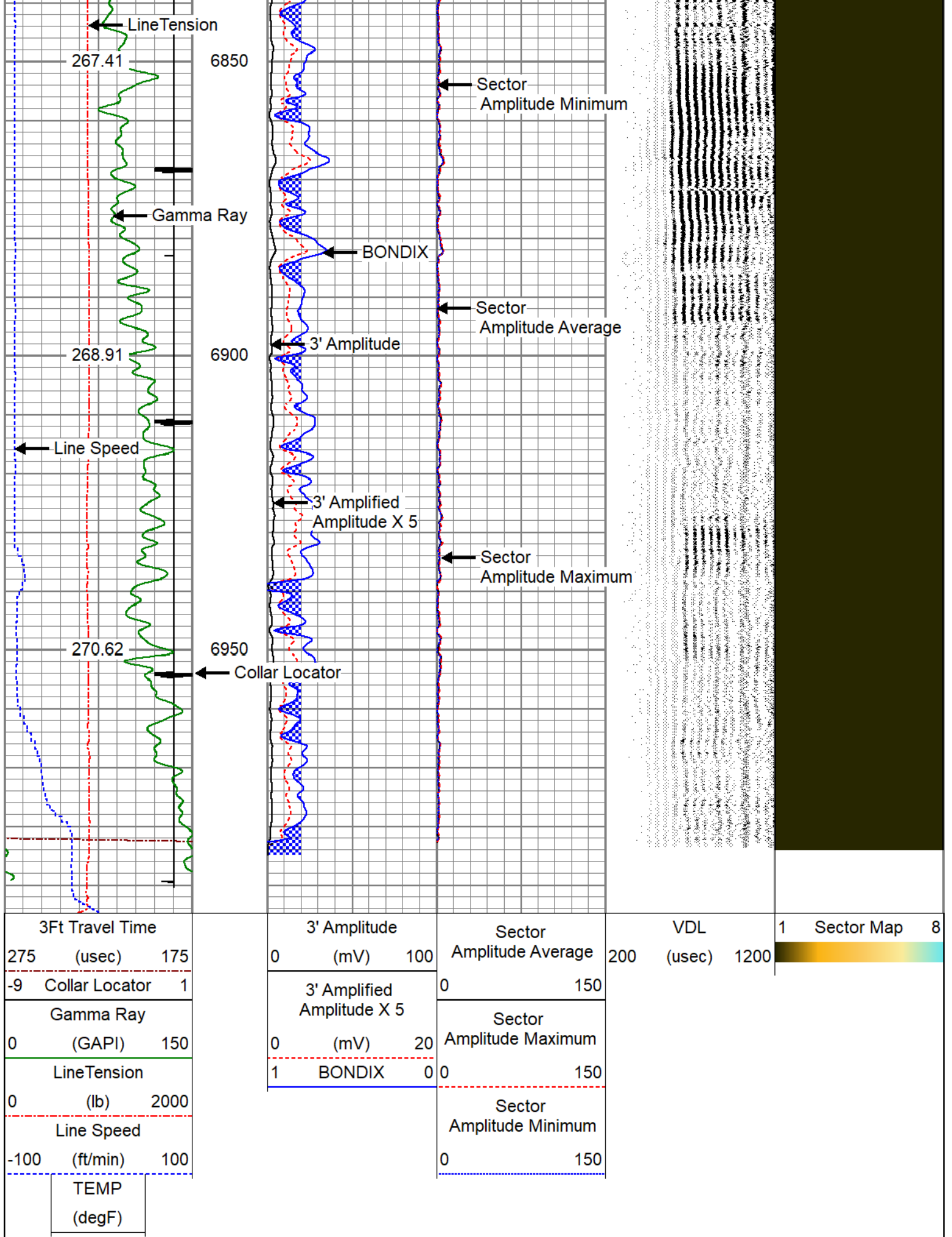
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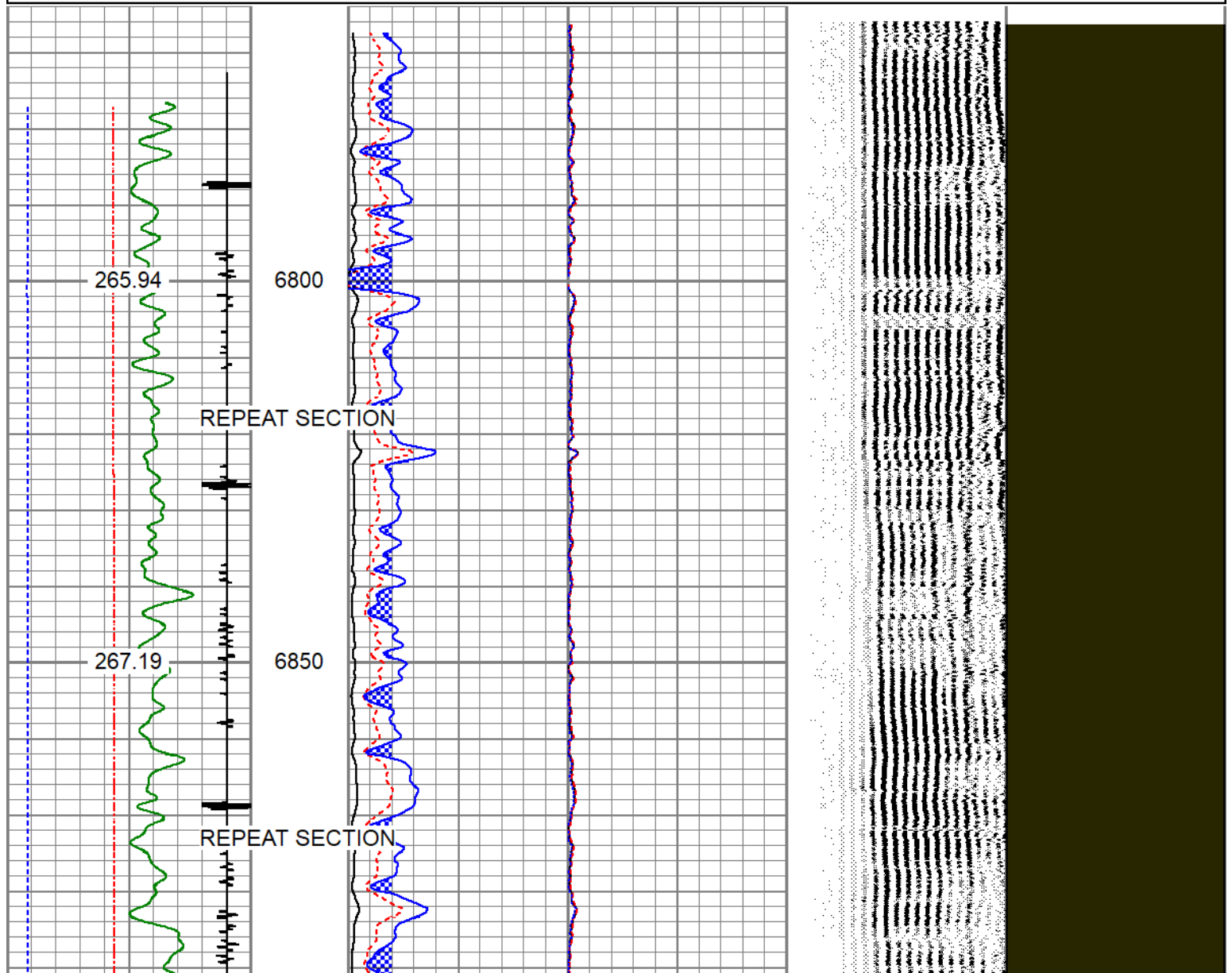


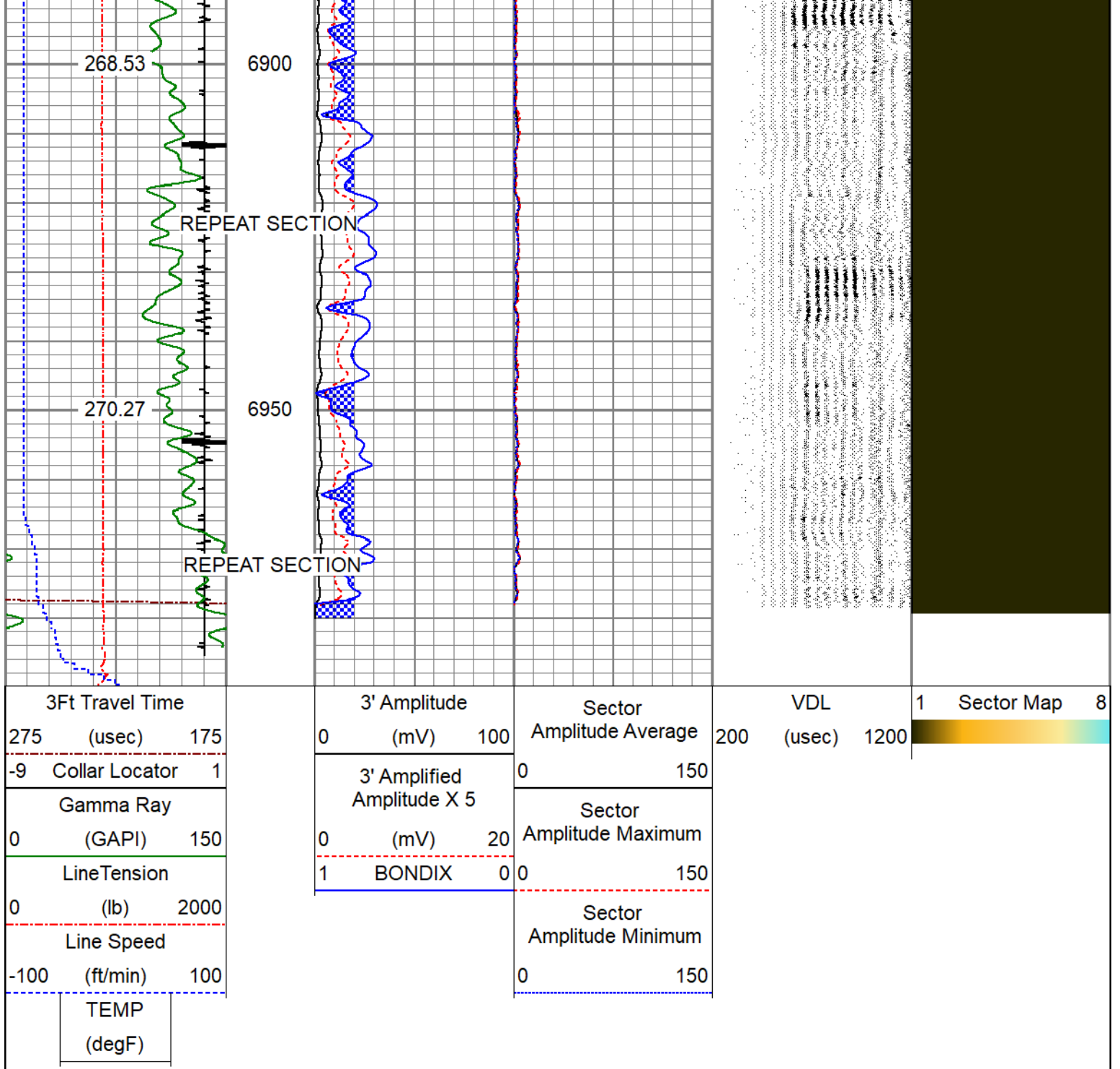




Database File oxy_rei h17-29d_rcbl_2-8-23.db
 Dataset Pathname pass5
 Presentation Format pinr_scbl
 Dataset Creation Wed Feb 08 08:18:52 2023
 Charted by Depth in Feet scaled 1:240

3Ft Travel Time 275 (usec) 175	3' Amplitude 0 (mV) 100	Sector Amplitude Average	200	VDL (usec) 1200	1 Sector Map 8
-9 Collar Locator 1		0 150			
Gamma Ray 0 (GAPI) 150	3' Amplified Amplitude X 5 0 (mV) 20	Sector Amplitude Maximum	0 150		
LineTension 0 (lb) 2000	1 BONDIX 0	Sector Amplitude Minimum	0 150		
Line Speed -100 (ft/min) 100					
TEMP (degF)					





Calibration Report

Database File oxy_rei h17-29d_rcbl_2-8-23.db
 Dataset Pathname pass6
 Dataset Creation Wed Feb 08 08:27:19 2023

Gamma Ray Calibration Report

Serial Number: 140181
 Tool Model: 275 Probe GCT
 Performed: Mon Nov 14 07:41:29 2022

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1210-40
 Tool Model: RBL-DCT
 Calibration Casing Diameter: 4.500 in
 Calibration Depth: 834.042 ft

Master Calibration, performed Wed Feb 08 07:48:29 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.019	1.276	0.800	81.196	63.972	-0.408
CAL	1.523	1.549				
5'	0.022	0.902	0.800	81.196	91.369	-1.173
SUM						
S1	0.037	1.197	0.000	100.000	86.174	-3.166
S2	0.020	1.249	0.000	100.000	81.378	-1.639
S3	0.023	1.321	0.000	100.000	77.048	-1.756
S4	0.024	1.351	0.000	100.000	75.365	-1.810
S5	0.022	1.348	0.000	100.000	75.449	-1.691
S6	0.022	1.341	0.000	100.000	75.799	-1.631
S7	0.021	1.286	0.000	100.000	79.042	-1.680
S8	0.020	1.196	0.000	100.000	84.987	-1.665

Air Zero Calibration, performed Wed Feb 08 07:31:22 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

Temperature Calibration Report

Serial Number: FW1210-40
 Tool Model: RBL-DCT
 Performed: (Not Performed)

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





Well	REI H17-29D
Field	WATTENBERG
County	WELD
State	CO