



**RADIAL BOND LOG  
WITH GAMMA RAY**

Comp. ANADARKO PETROLEUM CORP  
Well SWEETGRASS 22-14  
Field WATTENBERG  
Co. WELD  
State CO

Company **ANADARKO PETROLEUM CORP**  
Well **SWEETGRASS 22-14**  
Field **WATTENBERG**  
County **WELD** State **CO**

Location: API #: 05-123-32852  
SEC 14 TWP 1N RGE 68W  
NW/SW  
PERF  
Permanent Datum GL  
Log Measured From KB 15' Elevation 5104'  
Drilling Measured From KB Above Perm. Datum  
K.B. 5119'  
D.F. 5118'  
G.L. 5104'

Date of Service	MAY 27TH, 2025			
Run Number	ONE			
Depth Driller or P8TD	8501'			
Depth Logger	5004'			
Bottom Log Interval	5000'			
Top Log Interval	SURFACE			
Open Hole Size	7.875"			
Type Fluid	WATER			
Fluid Level	SURFACE			
Fluid Density	8.3#			
Max. Recorded Temperature	149° F			
Max. Wellhead Pressure	ZERO			
Wellhead Connection	5K FLANGE			
Estimated Cement Top	SEE LOG			
Unit Number	5074			
Wireline Size	9/32"			
Location	PLATTEVILLE, CO			
Recorded By	GREG JACKSON			
Witnessed By	OSCAR MOLINAR			
Tubing Record	Size	WV/Ft	Top	Bottom
Surface Casing	8-5/8	24#	SURFACE	1194'
Production Casing	4-1/2	11.6#	SURFACE	8488'
Liner Record				

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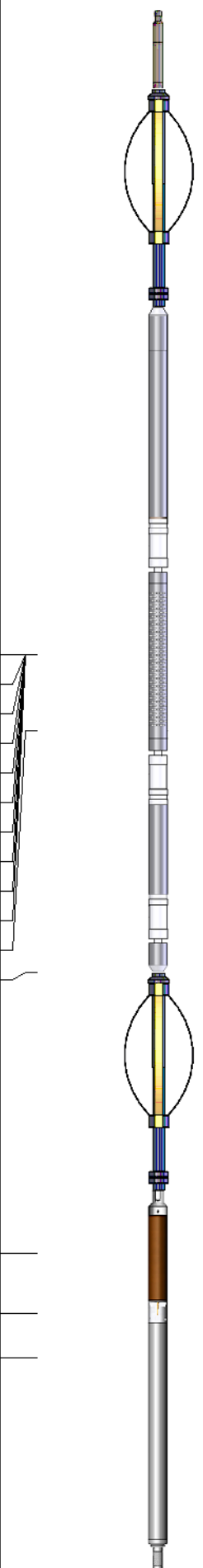
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, 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.  
LOG CORRELATED TO EXISTING BOND LOG OFF STATE SITE

THANK YOU FOR USING PIONEER ENERGY SERVICES!

<p>Your Pioneer Energy Services Crew</p> <p>Engineer: G. JACKSON Operator: M. LLAMAS Operator: B. MATCHETT Operator:</p>	<p>Tool Data - Services</p> <p>BOND GAMMA RAY/CCL</p>	<p>Serial Number</p>
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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
WVFS8	12.09		PROBE-RBT-DIGITAL-RBL-DC (FW1304-34) Probe 2 3/4" Radii Bond-Corrosion Package	8.75	2.75	100.00
WVFS7	12.09					
WVFS6	12.09					
WVFS5	12.09					
WVFS4	12.09					
WVFS3	12.09					
WVFS2	12.09					
WVFS1	12.09					
WVFCAL	12.09					
WVF3FT	12.09					
WVF5FT	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\_sweetgrass 22-24\_rcbl\_5000ft-0ft\_0psi\_5-27-25.db: field/well/run1/pass2  
 Total length: 20.56 ft  
 Total weight: 193.00 lb  
 O.D.: 2.75 in

# Log Variables

DatabaseC:\ProgramData\Warrior\Data\oxy\_sweetgrass 22-24\_rcbl\_5000ft-0ft\_0psi\_5-27-25.  
Dataset field/well/run1/pass2/\_vars\_

## Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 4.5	CASETHCK in 0	CASEWGHT lb/ft 11.6	MAXAMPL mV 81.2	MINAMPL mV 1
MINATTN db/ft 0.08	PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0		

## 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



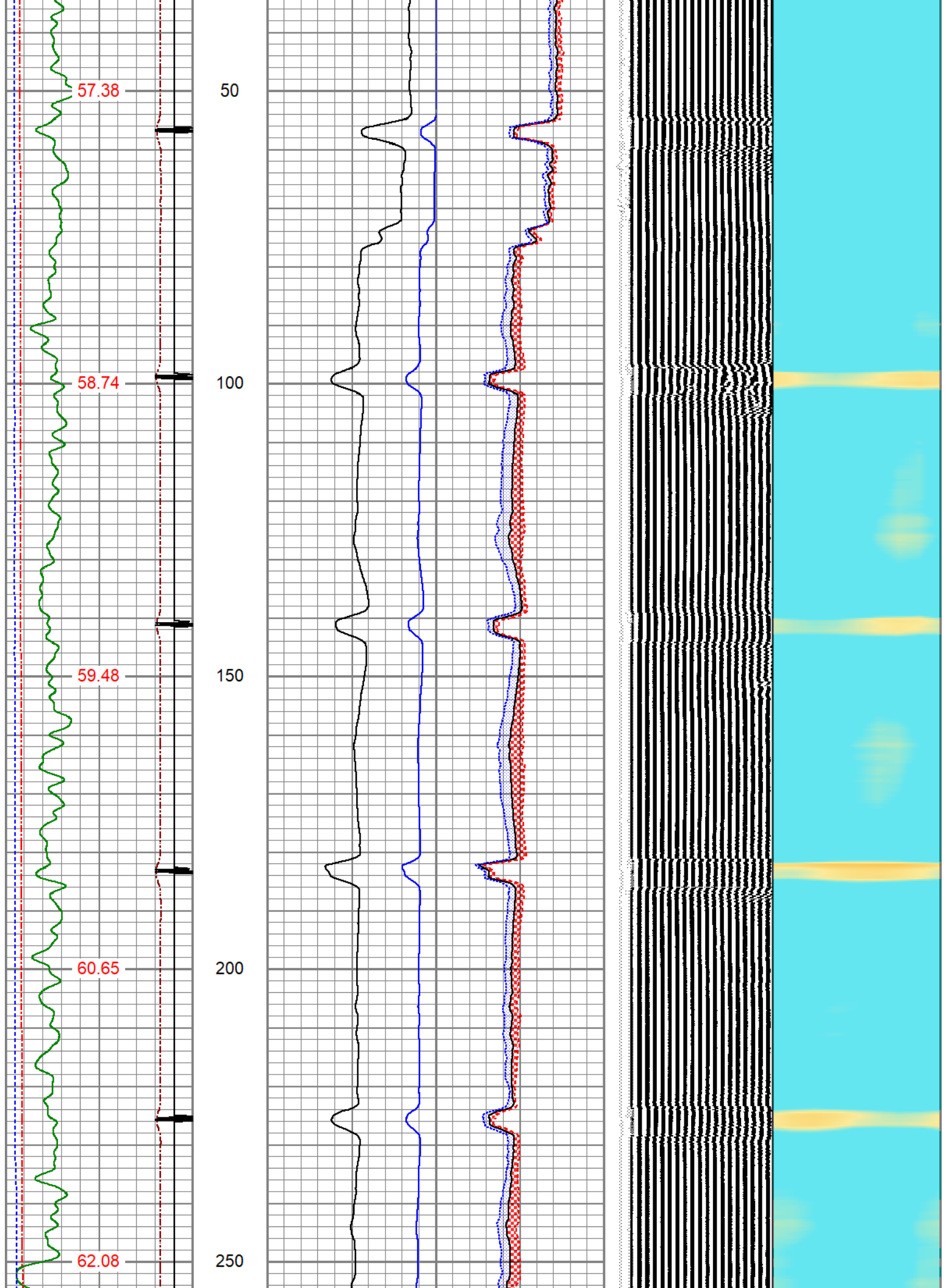
## MAIN LOG

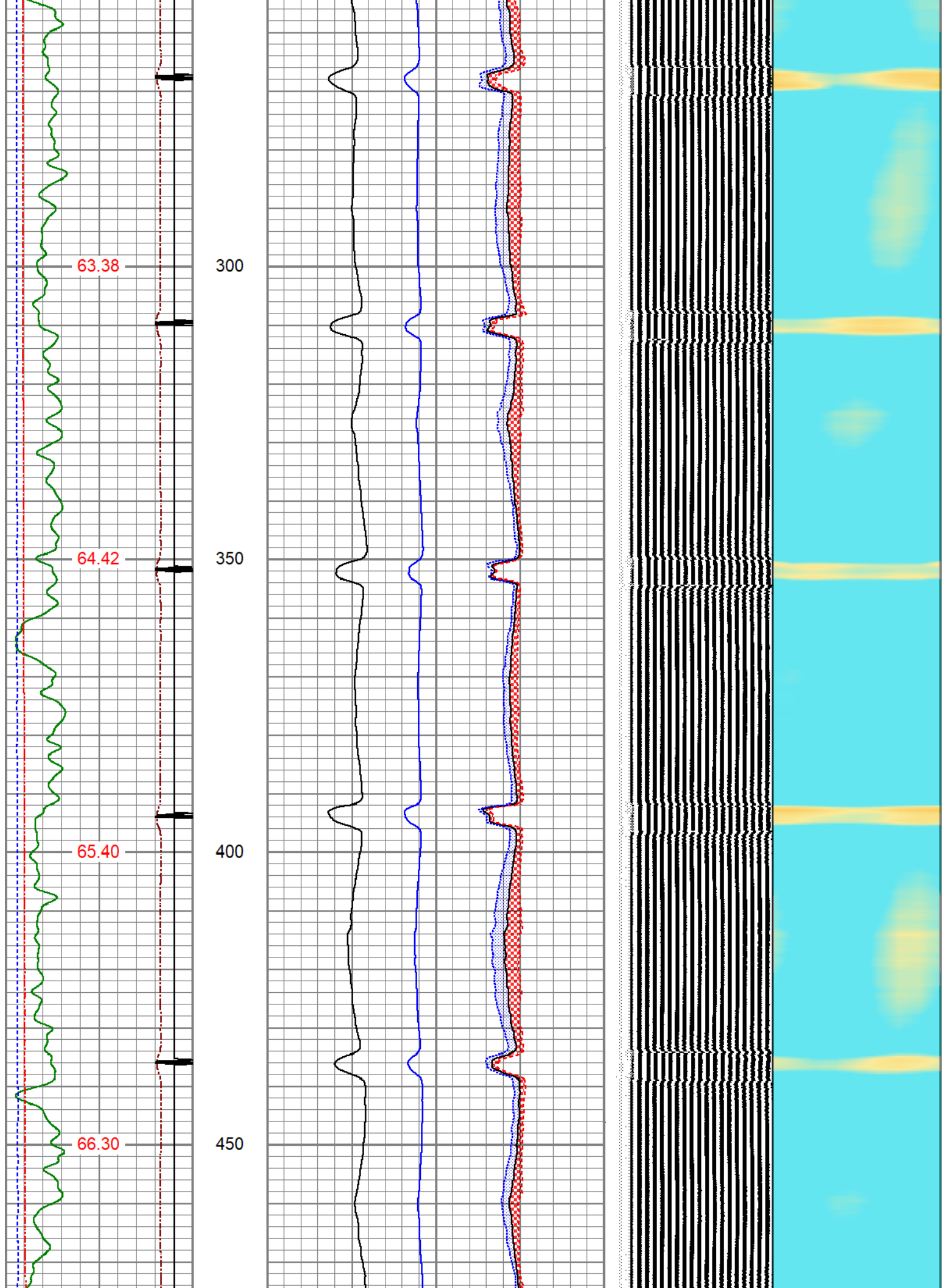
ZERO PSI APPLIED AT SURFACE

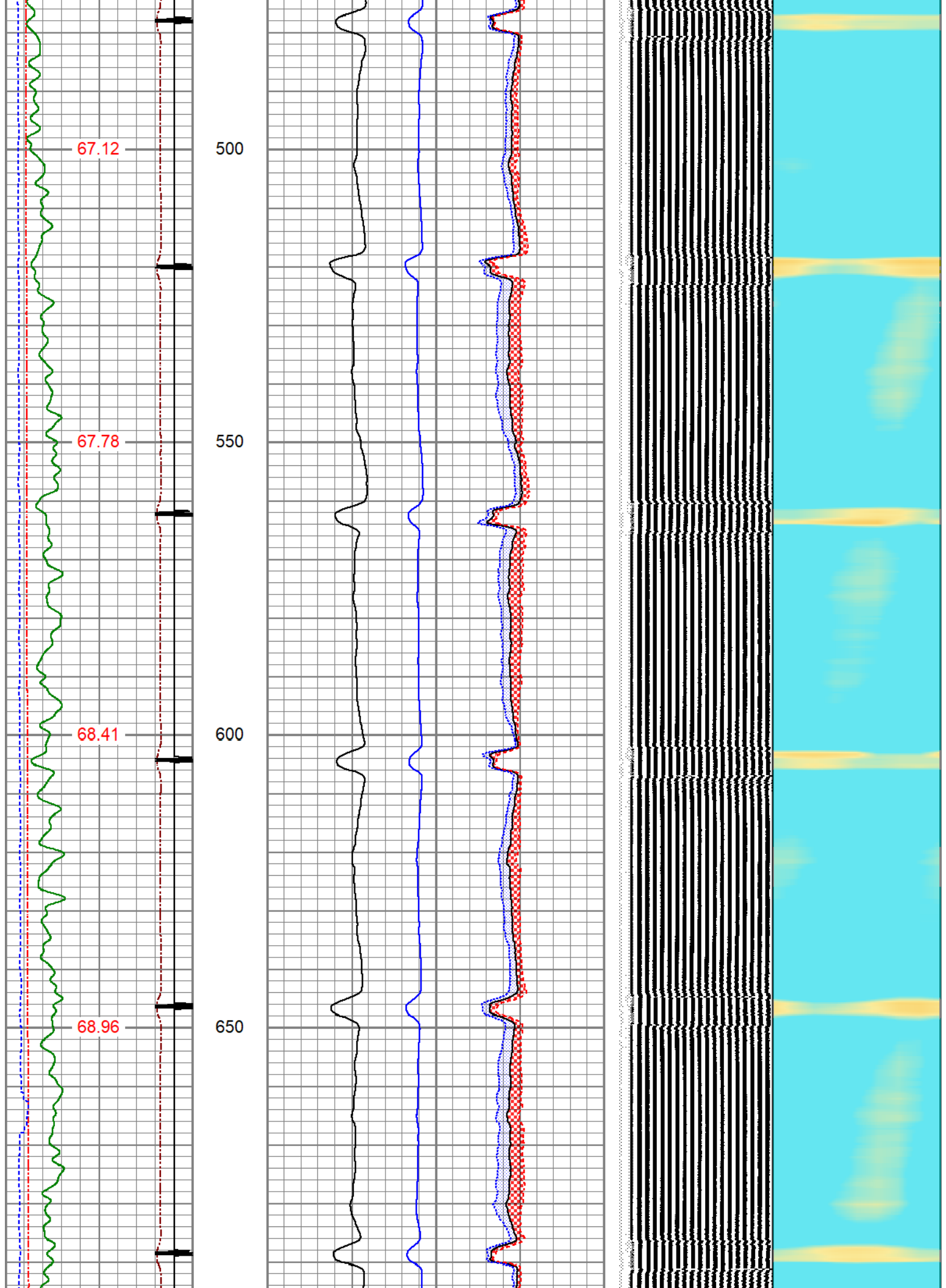
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Dataset Pathname pass2  
Presentation Format pinr\_scbl  
Dataset Creation Tue May 27 07:23:29 2025  
Charted by Depth in Feet scaled 1:240

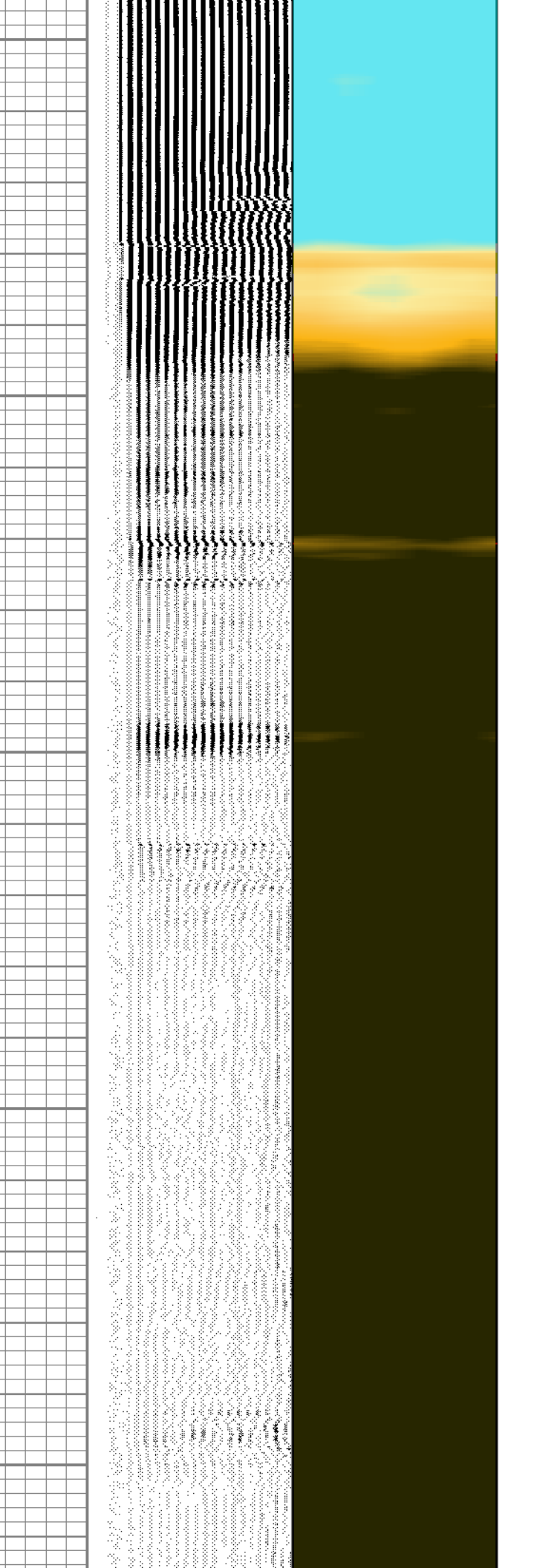
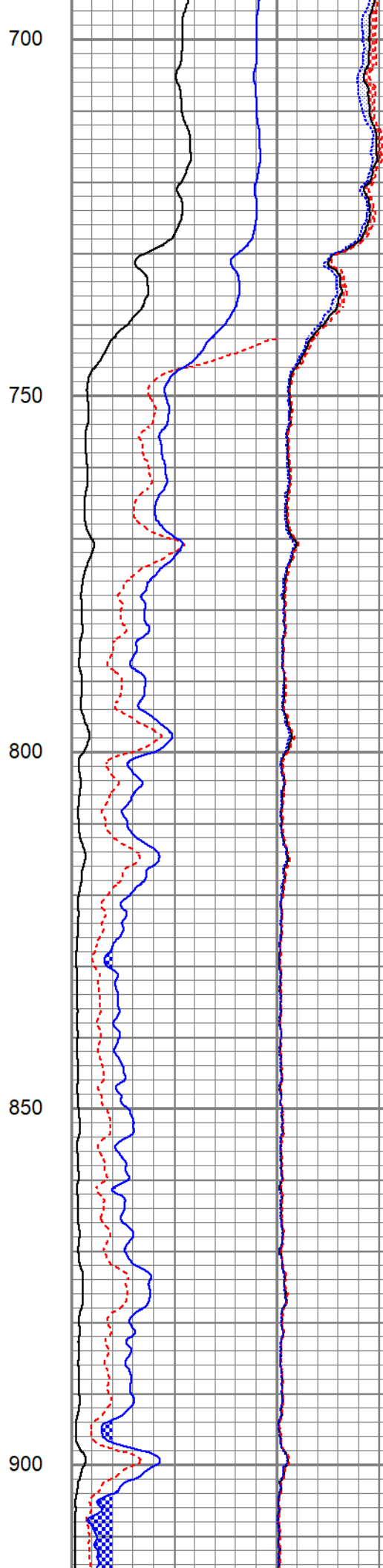
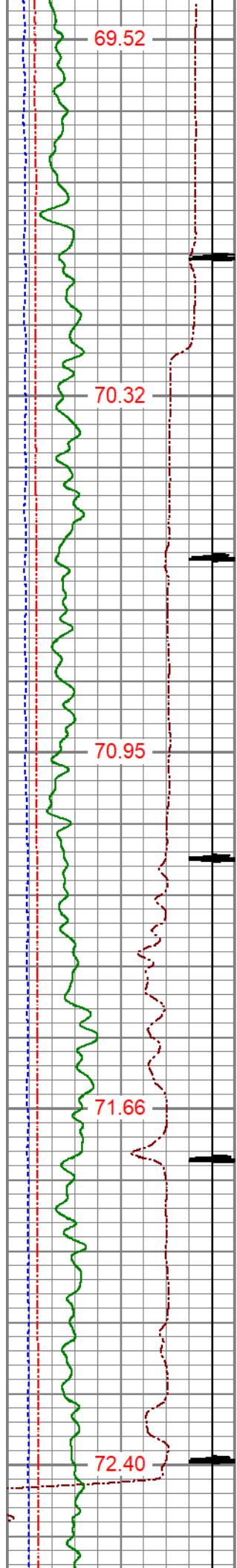
3Ft Travel Time 575 (usec) 175	3' Amplitude 0 (mV) 100	Sector Amplitude Average 0 150	VDL (usec) 1200	1 Sector Map 8
-9 Collar Locator 1	3' Amplified Amplitude X 5 0 (mV) 20	Sector Amplitude Maximum 0 150		
Gamma Ray 0 (GAPI) 150	1 BONDIX 0	Sector Amplitude Minimum 0 150		
LineTension 0 (lb) 2000				
Line Speed -100 (ft/min) 100				
TEMP (degF)				

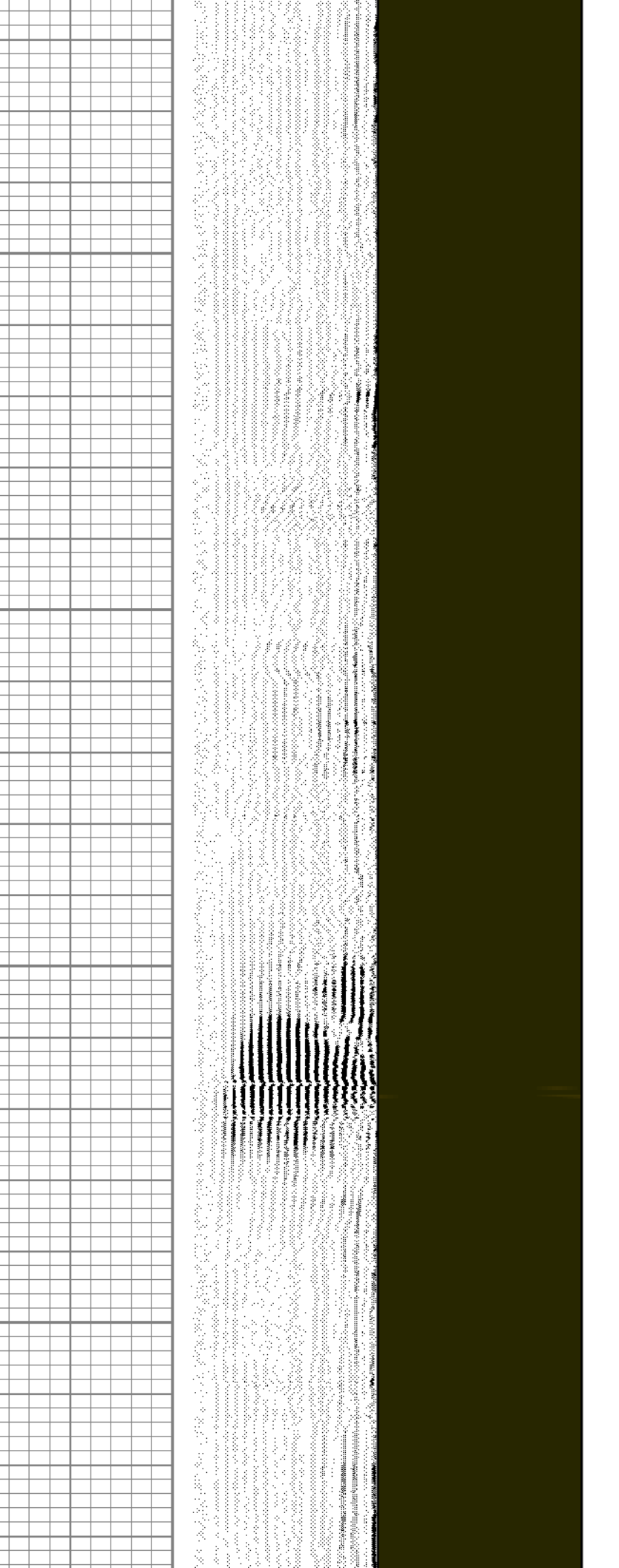
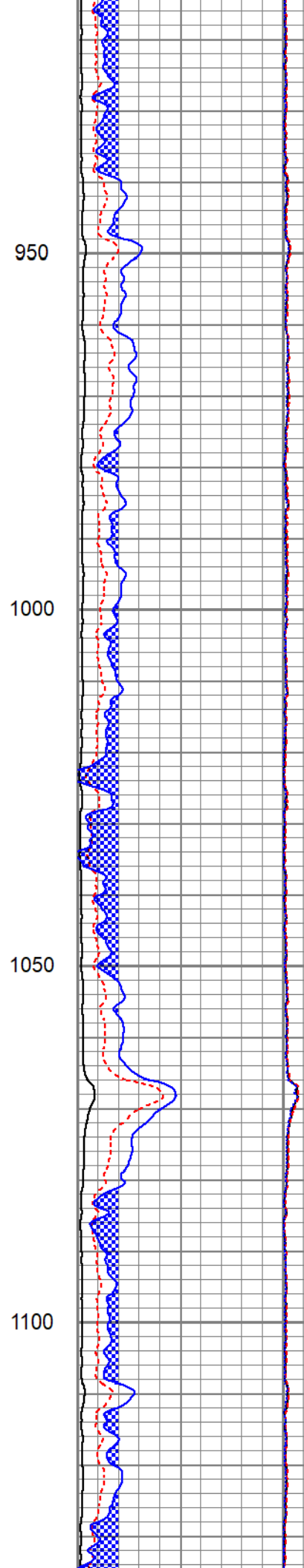
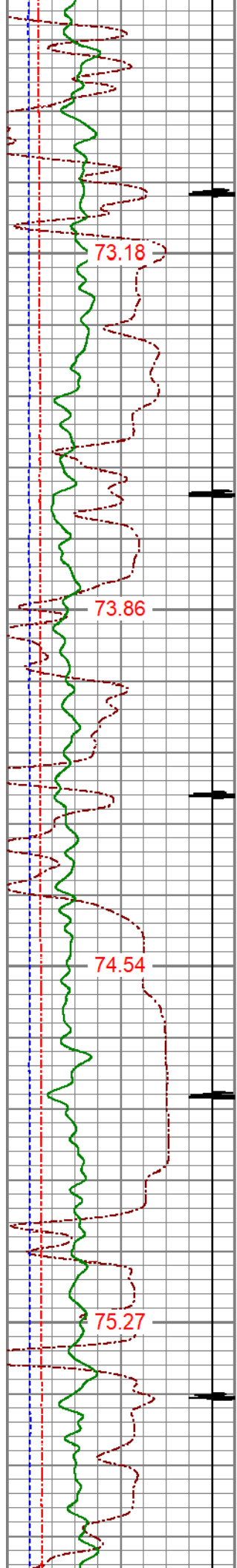


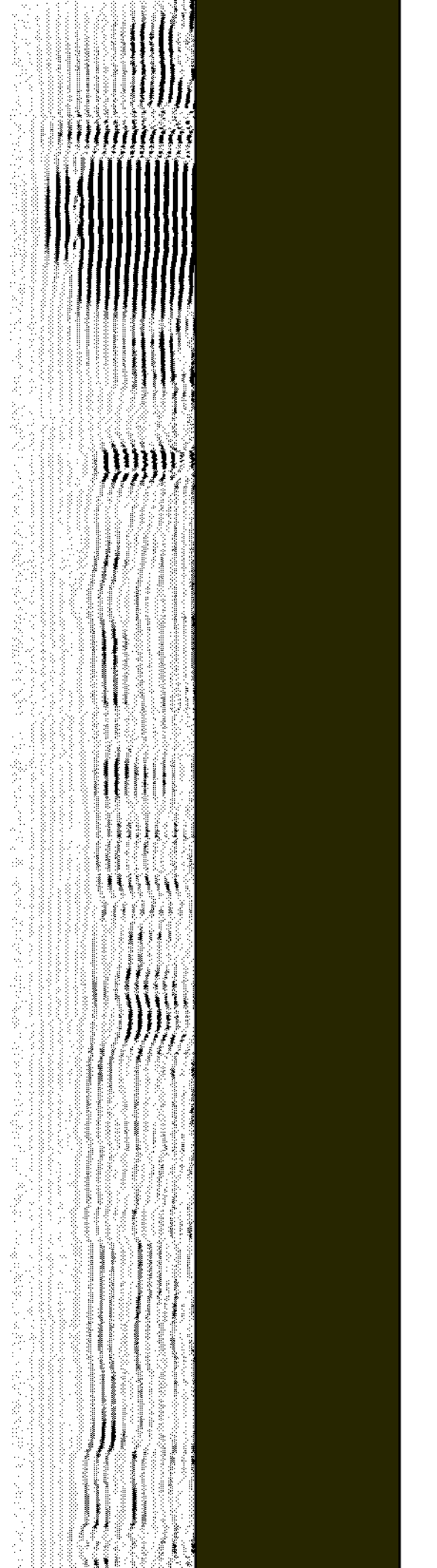
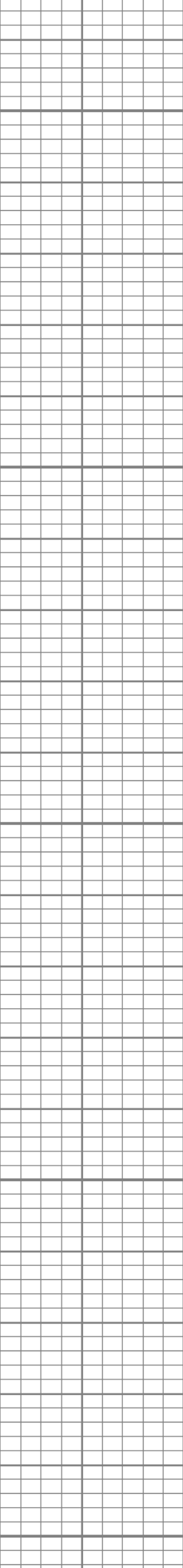
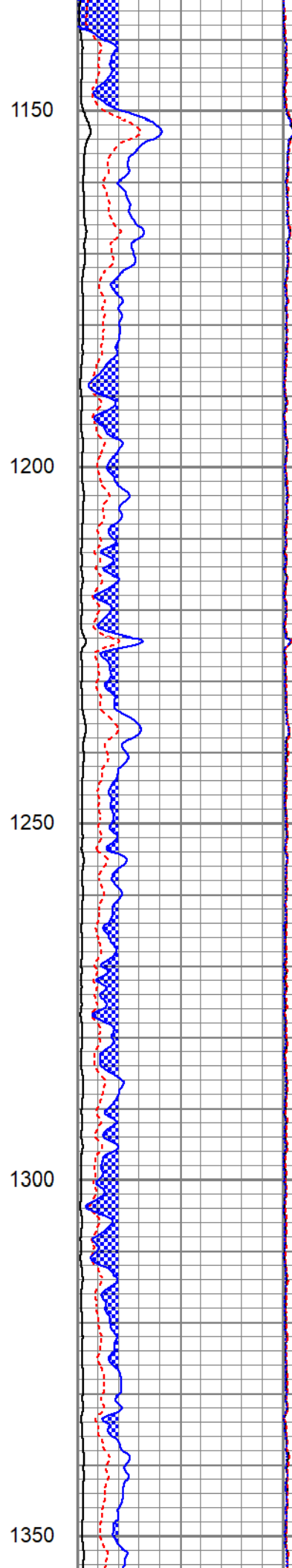
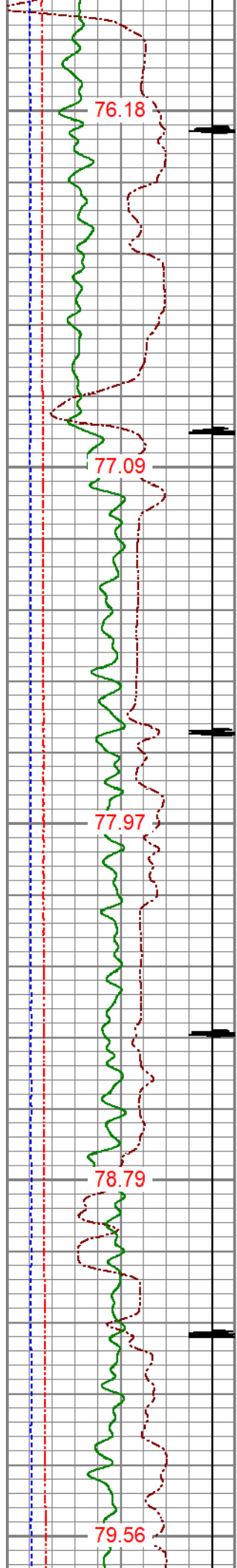


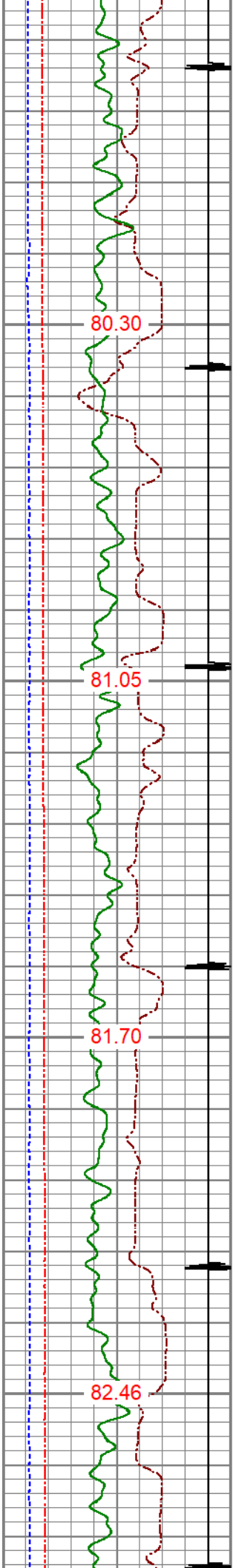










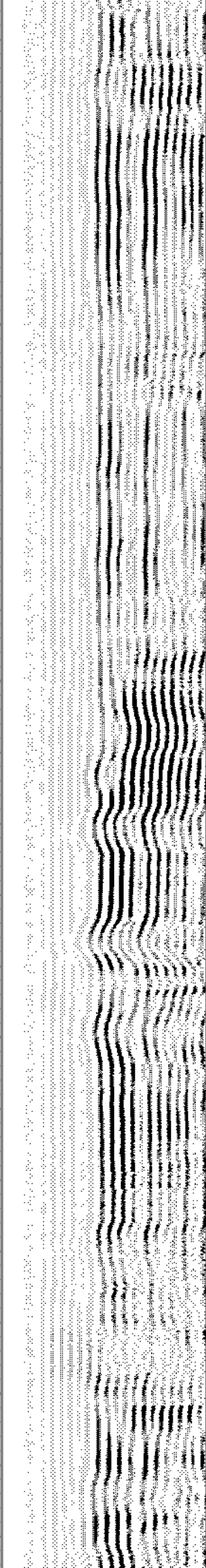
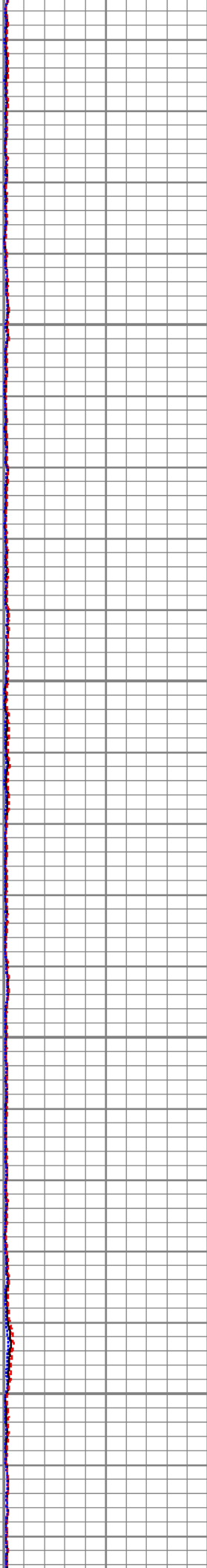
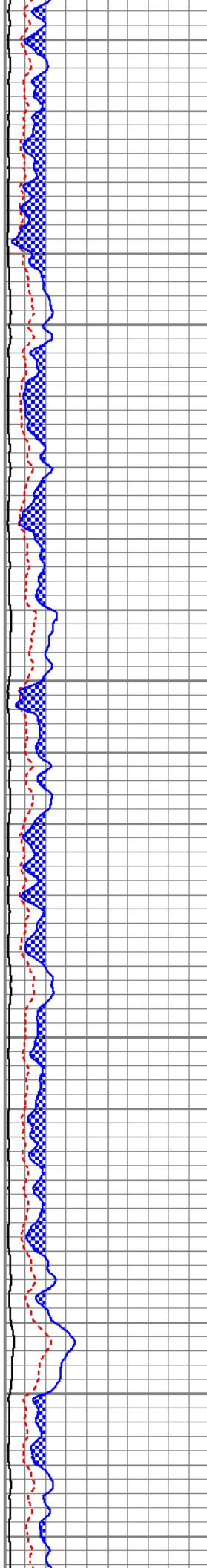


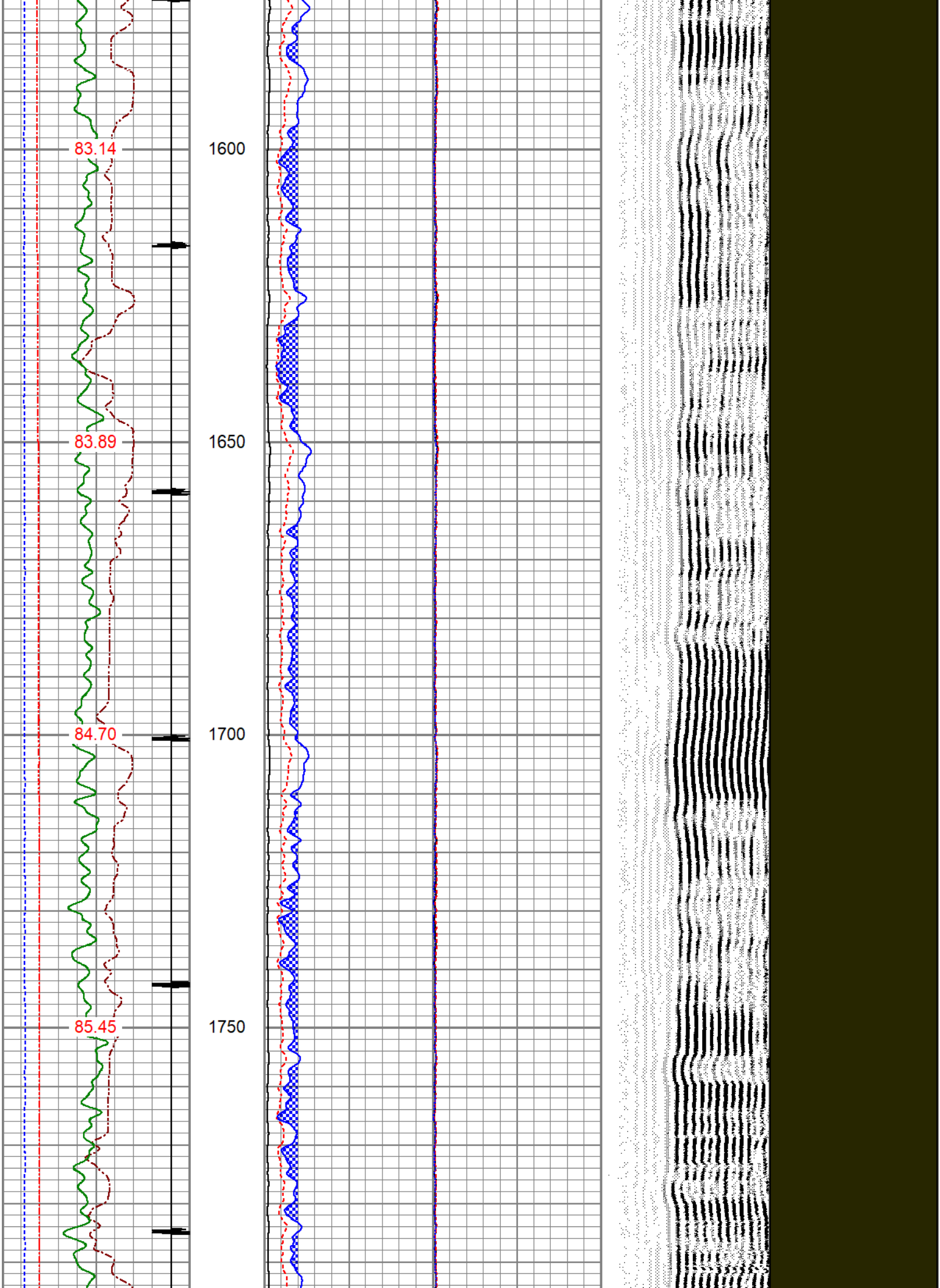
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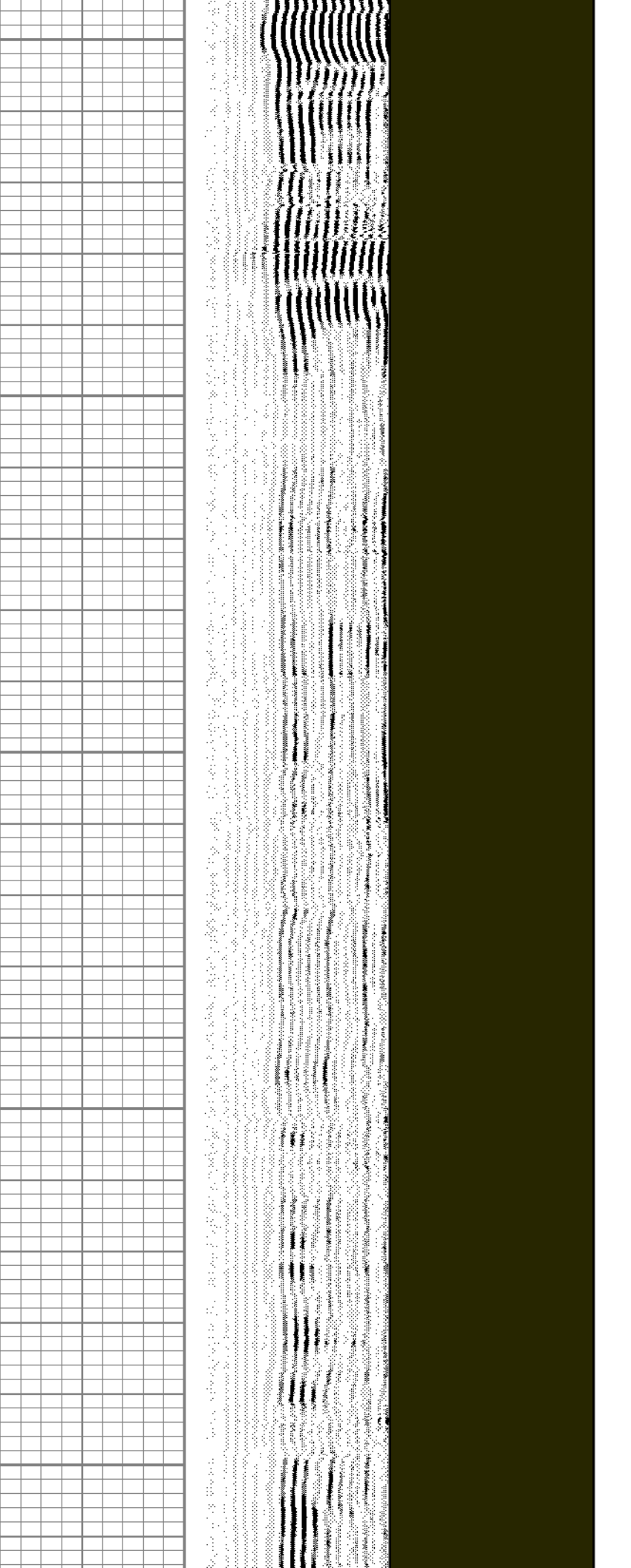
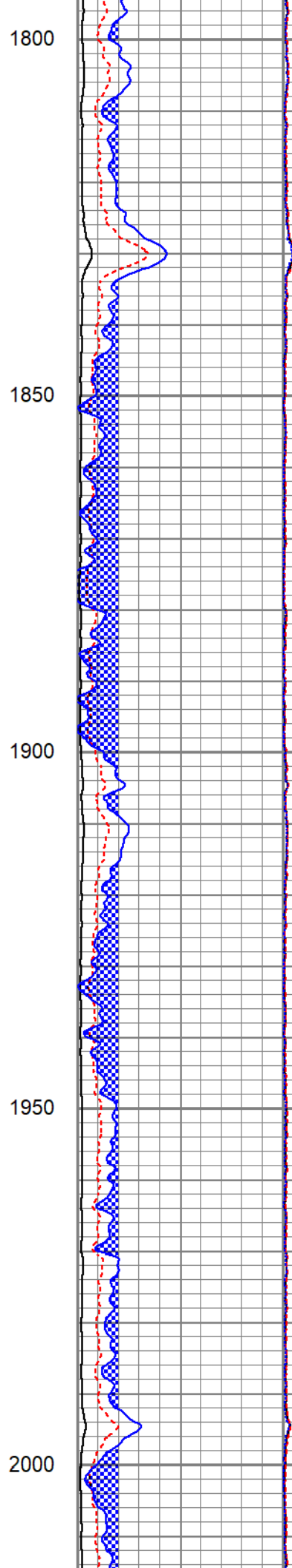
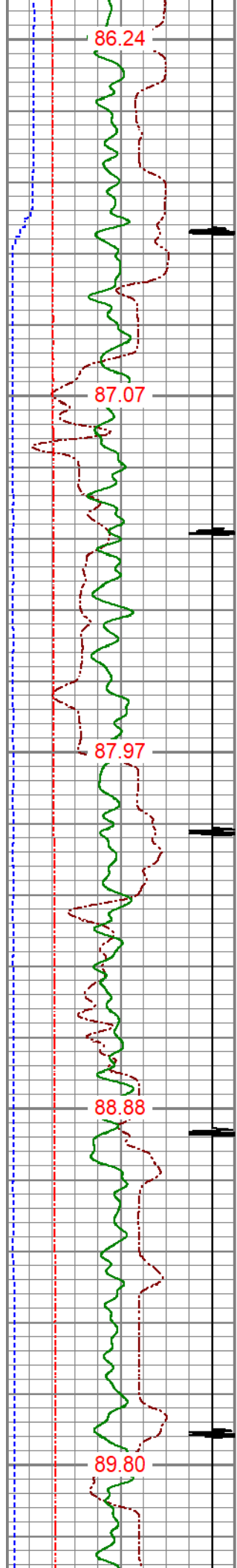
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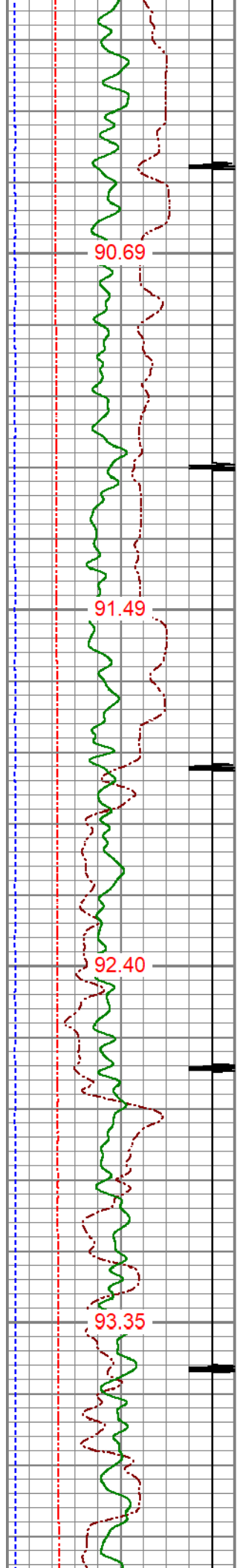
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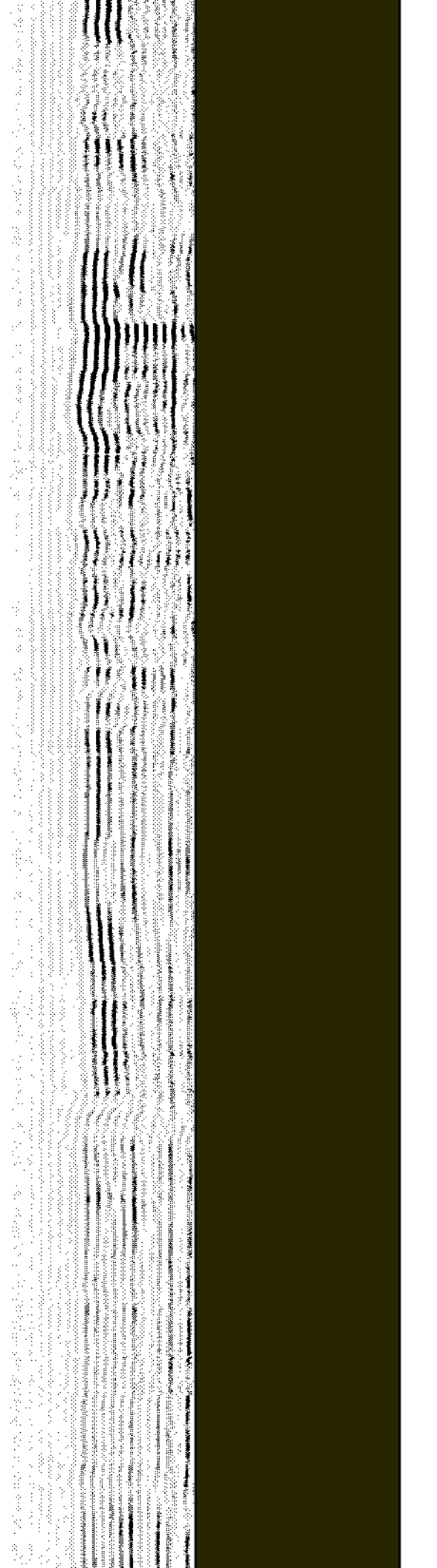
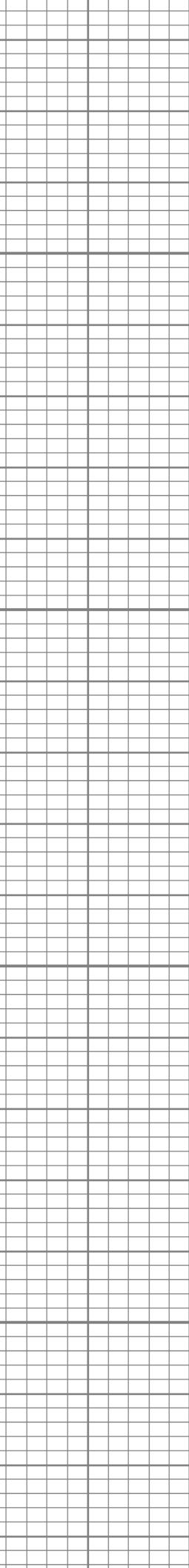
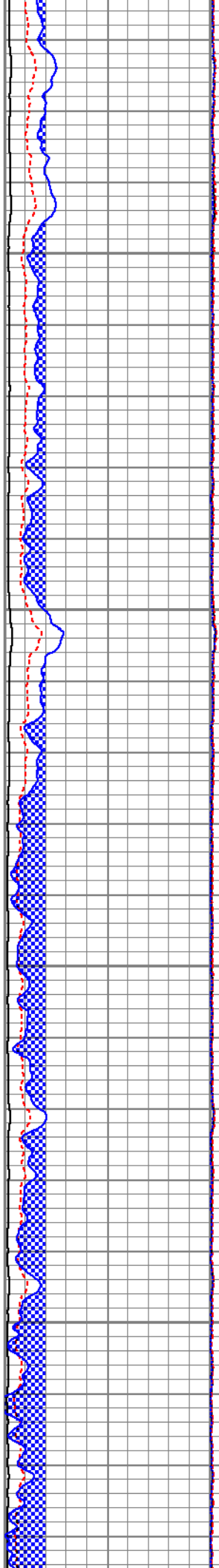


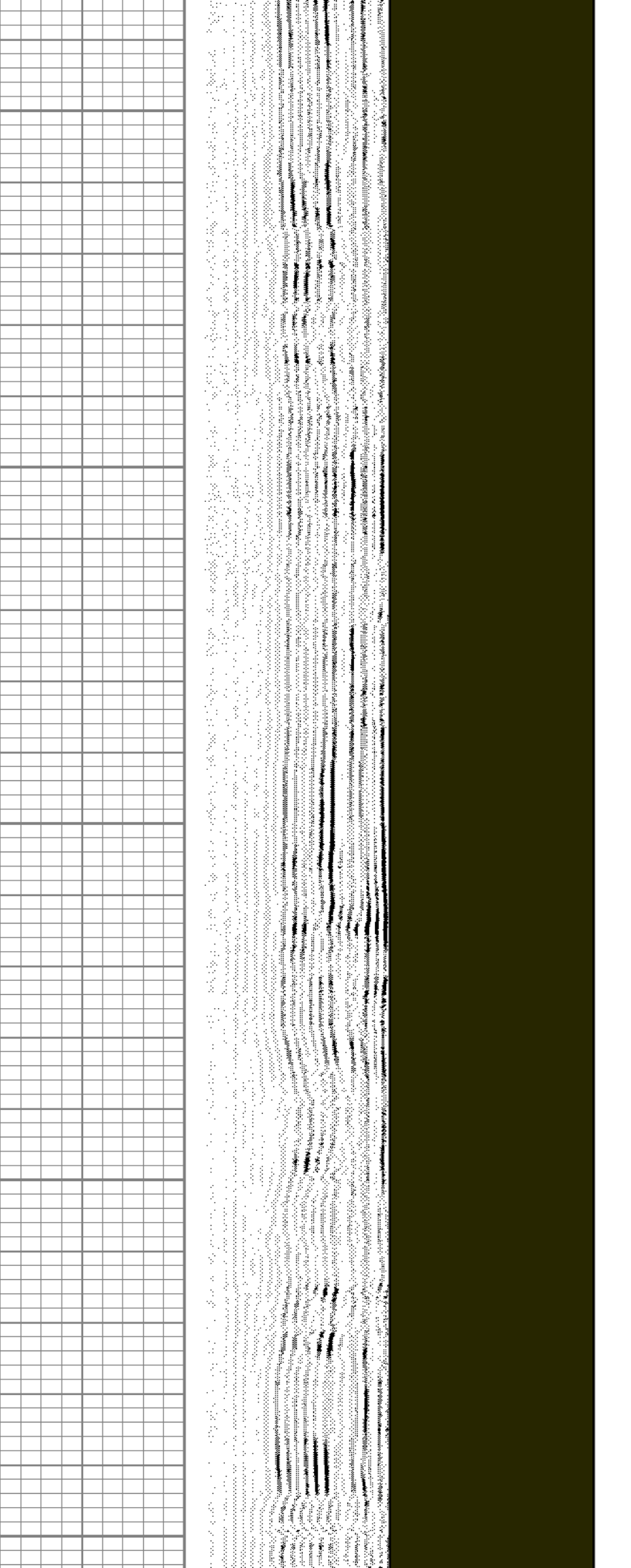
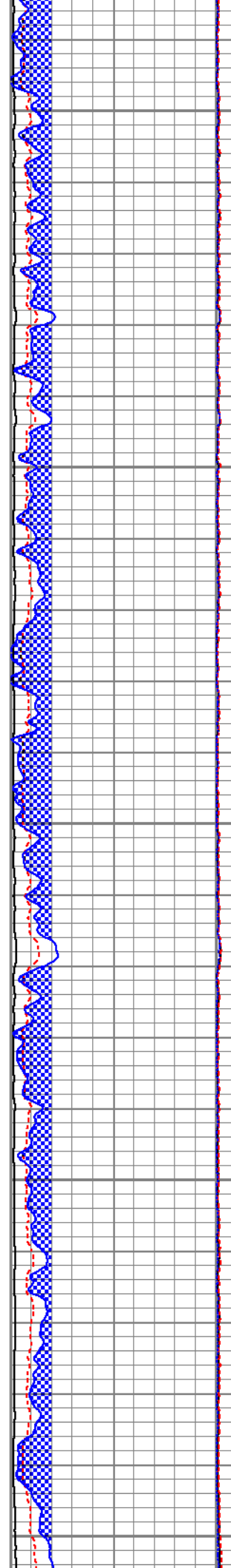
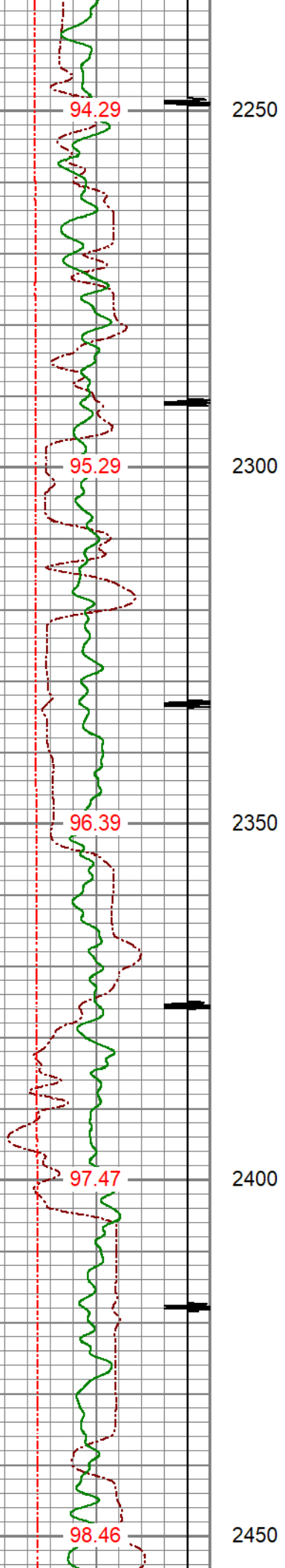


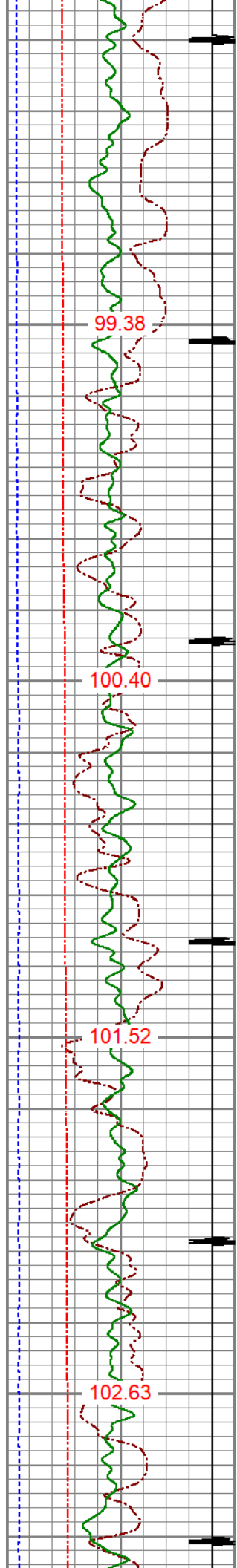




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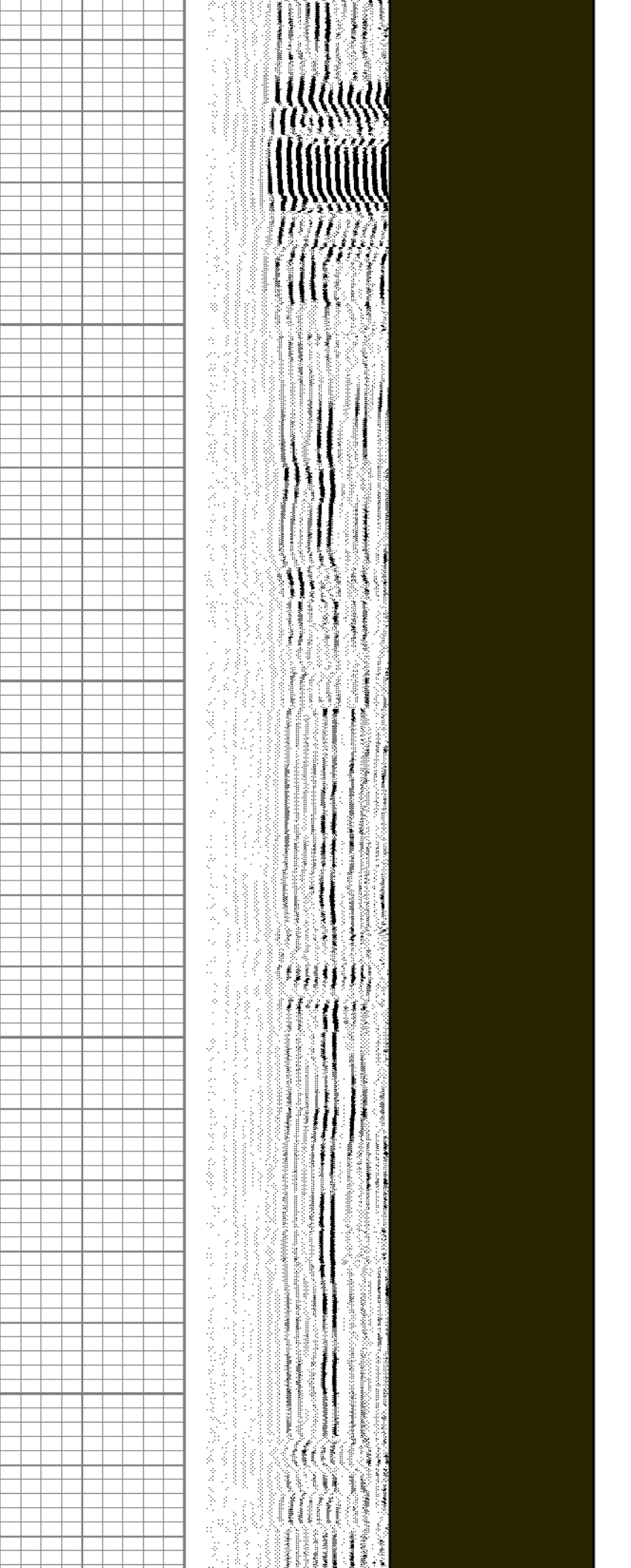
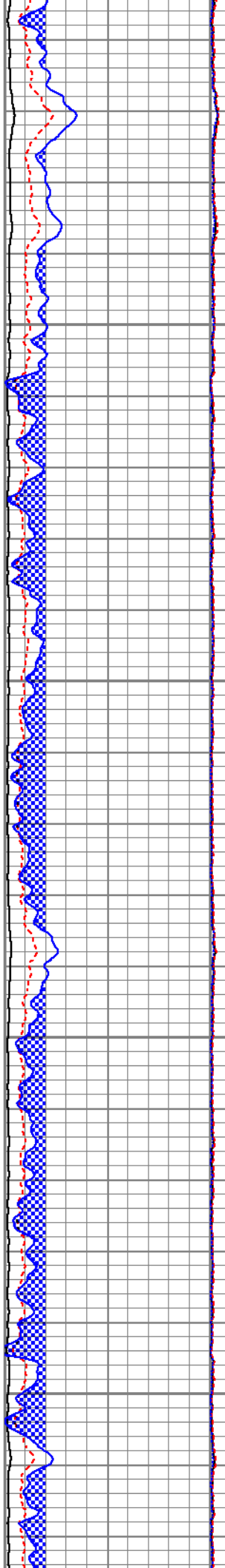


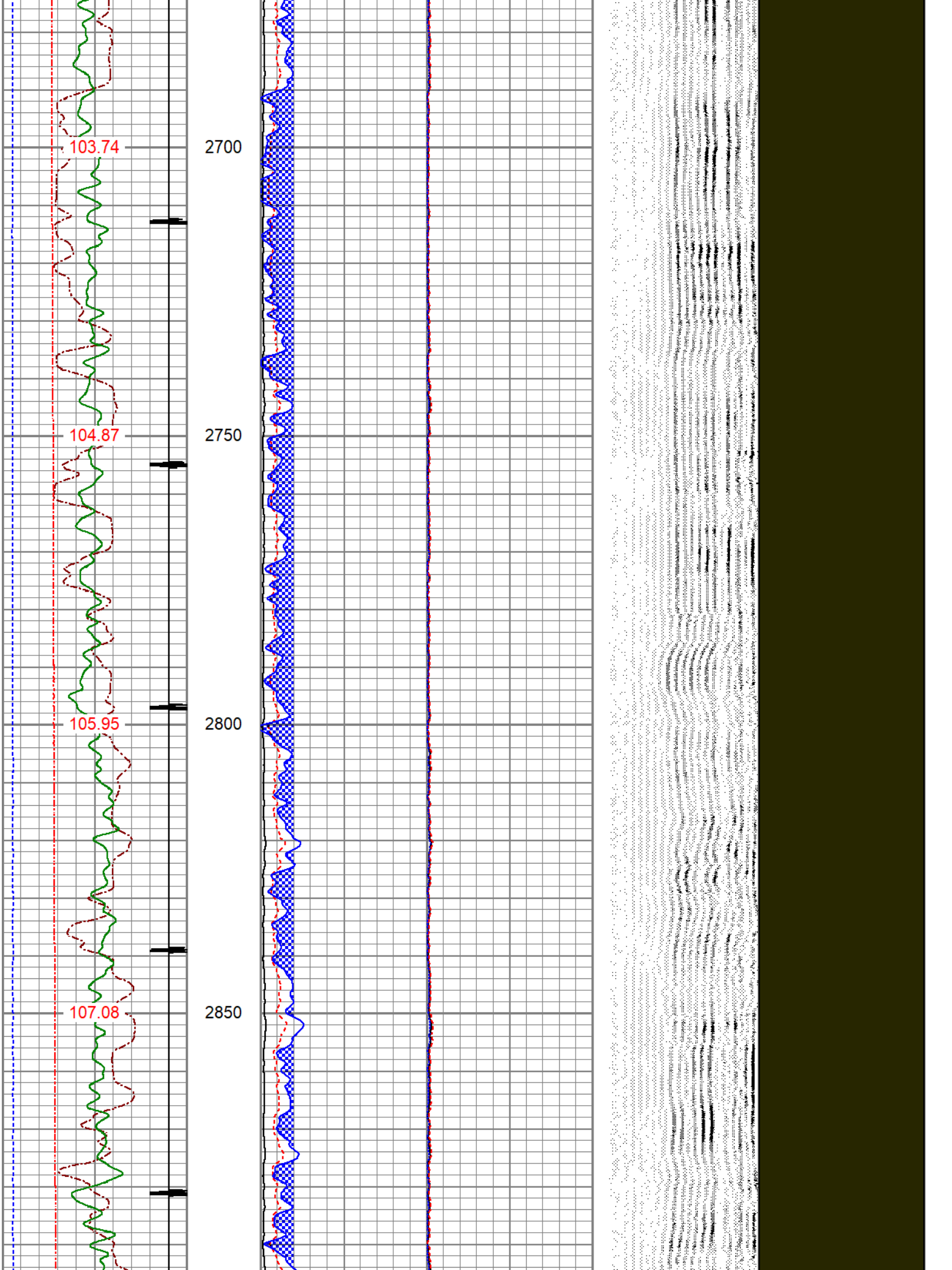
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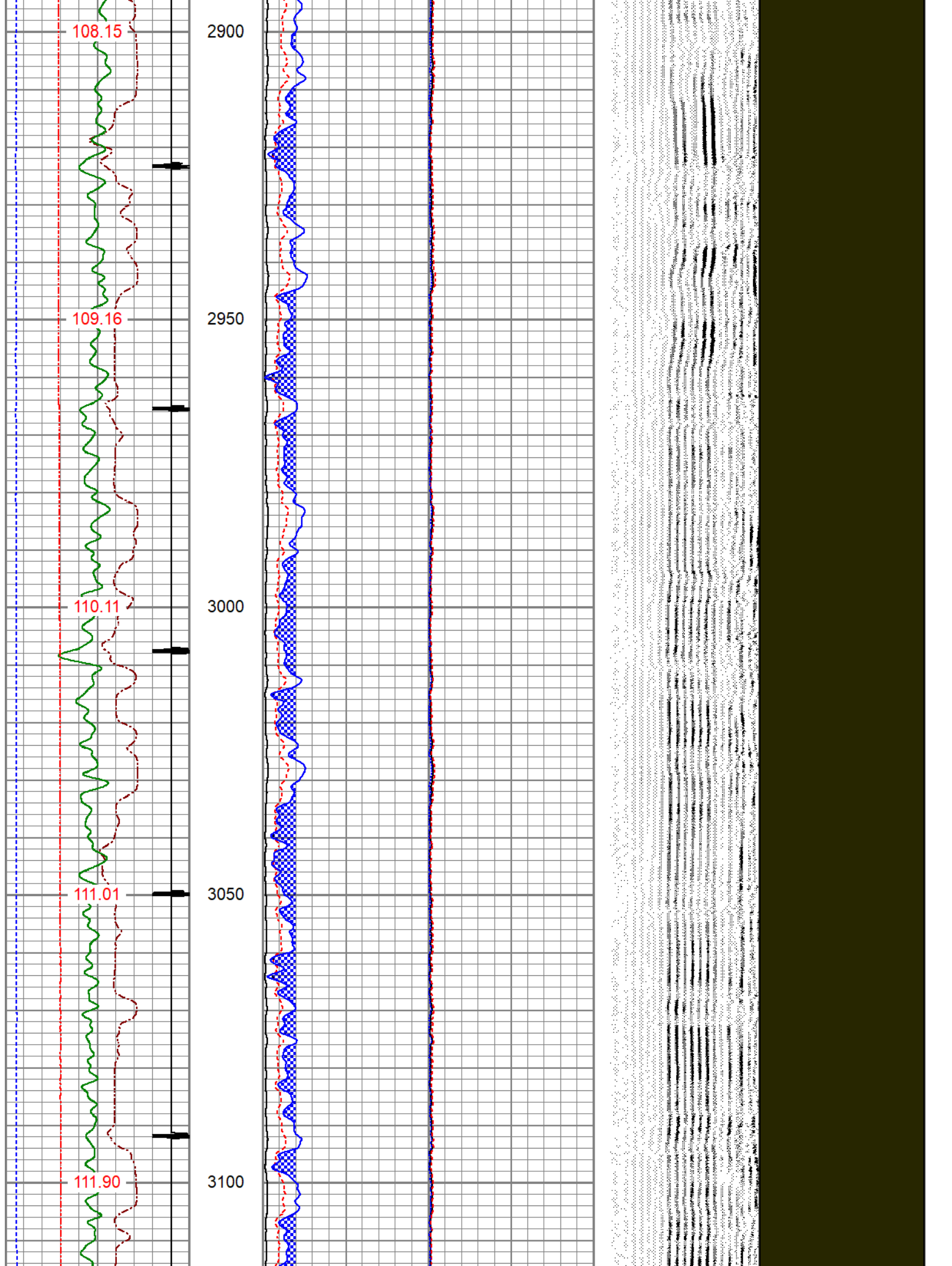
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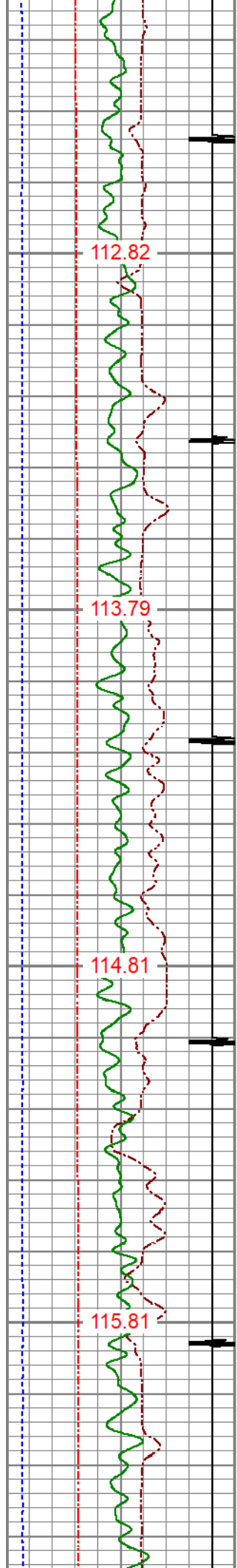
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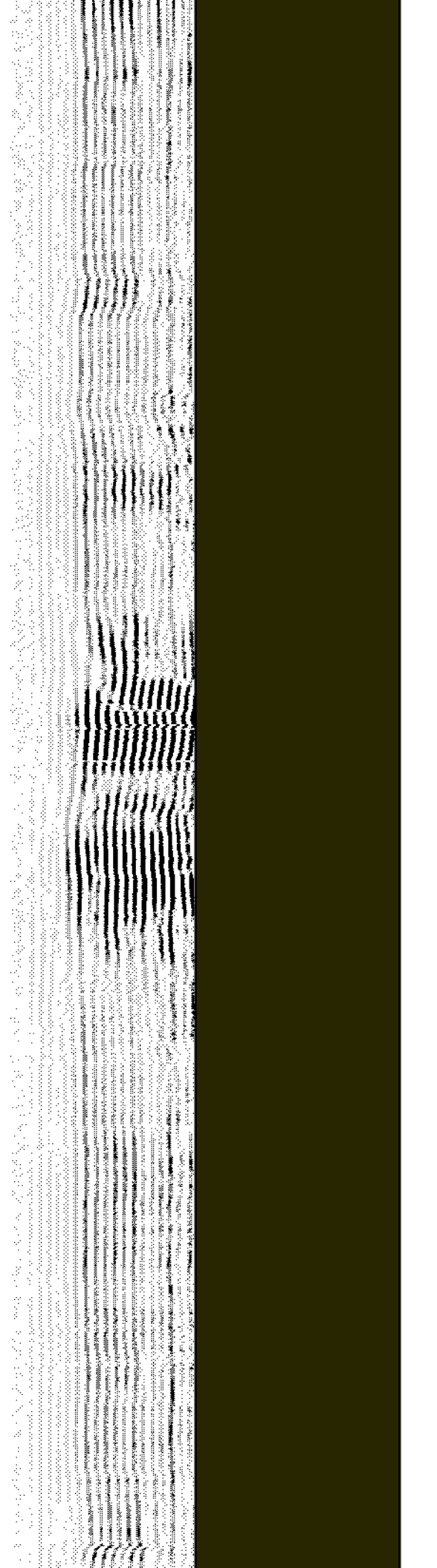
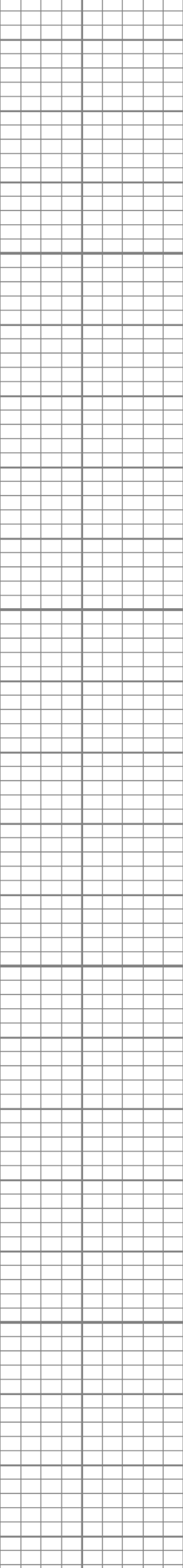
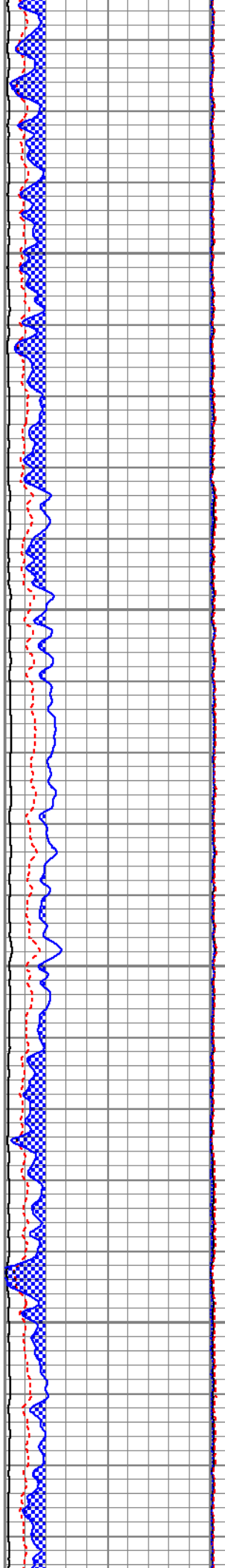


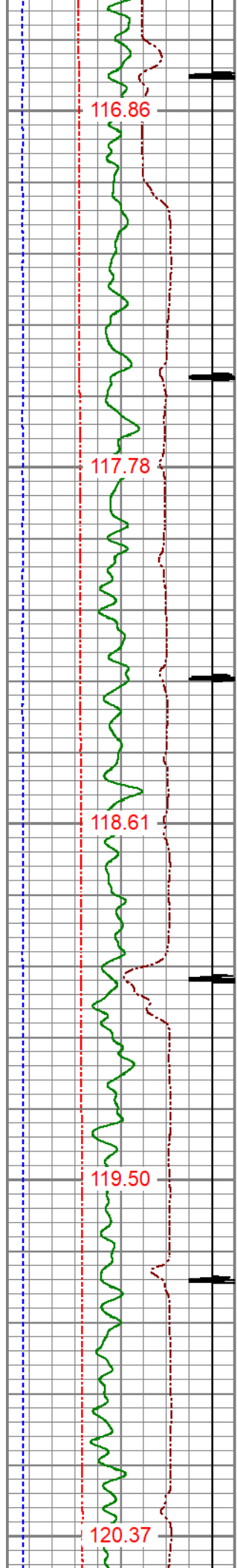






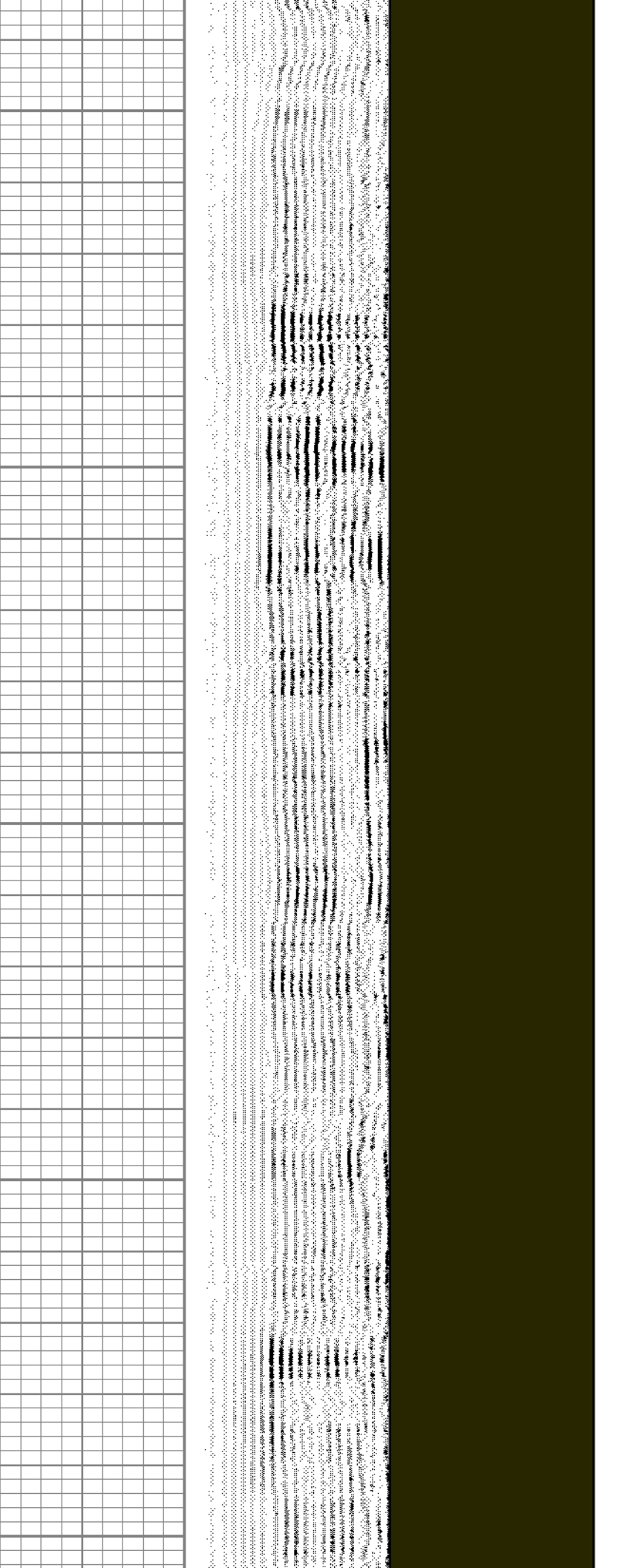
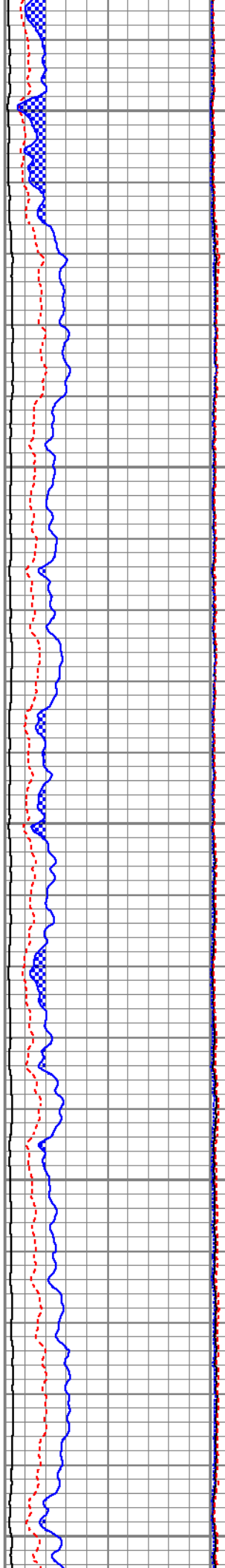
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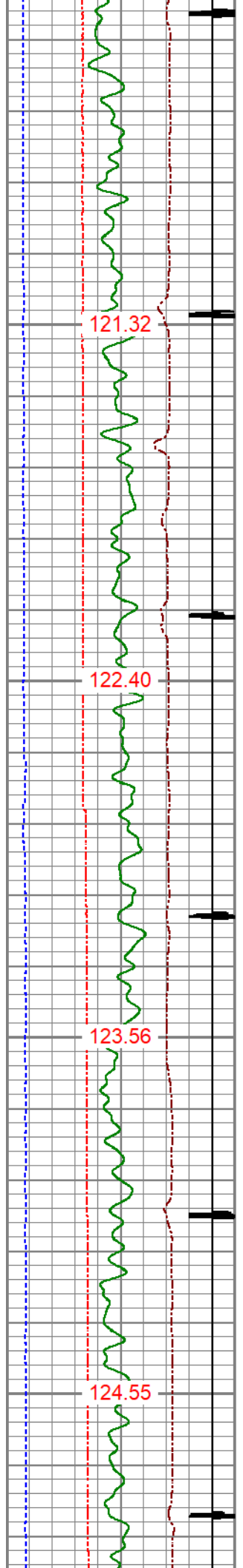




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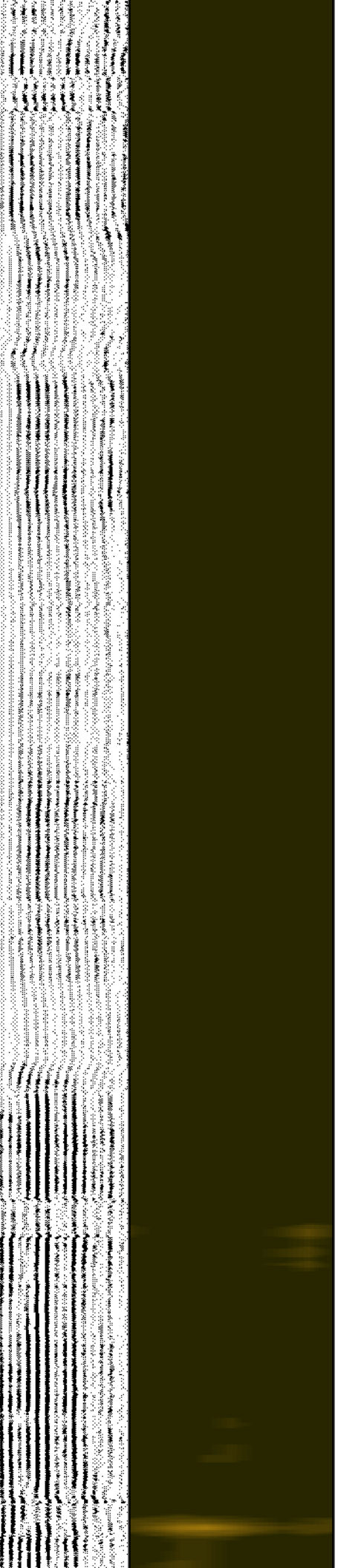
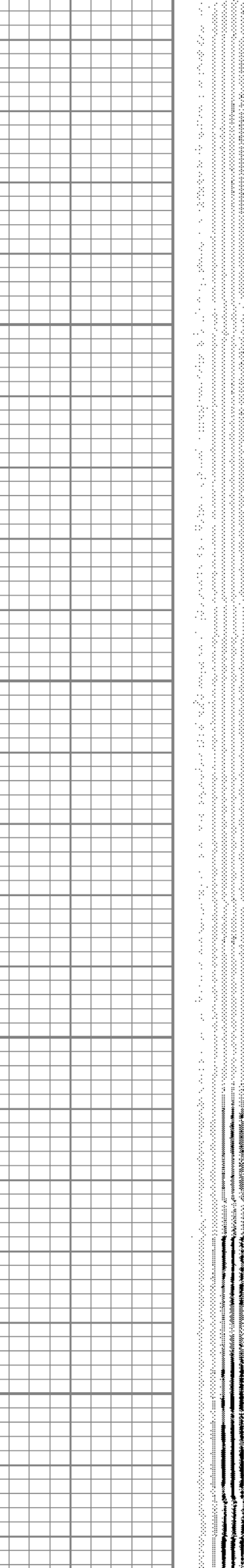
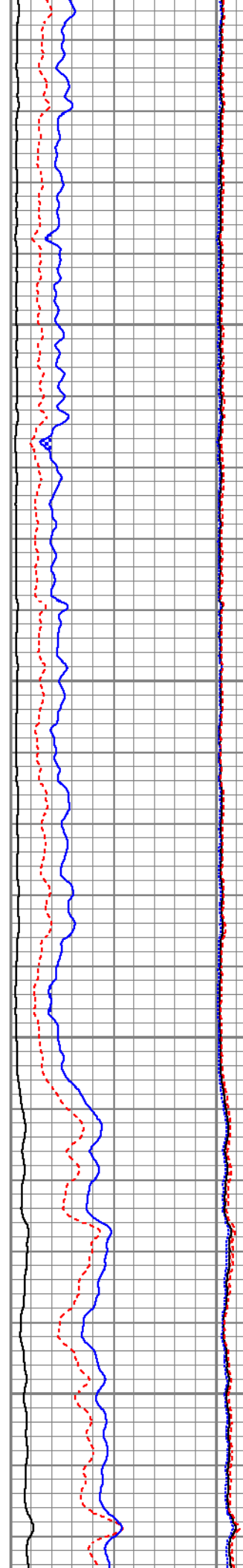


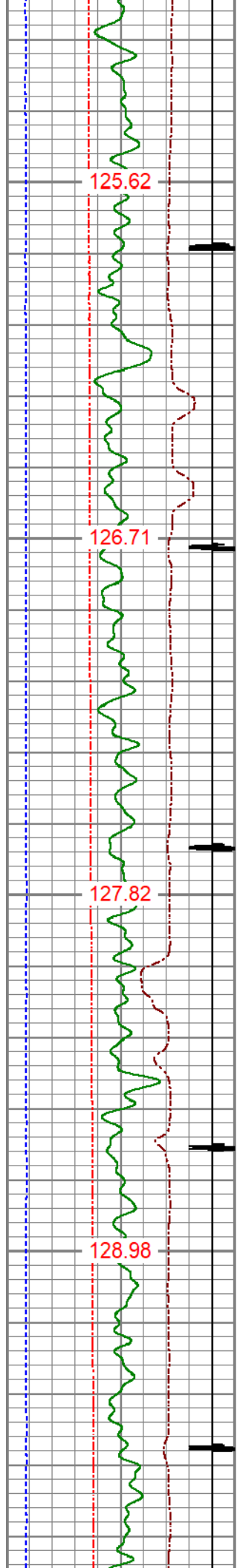
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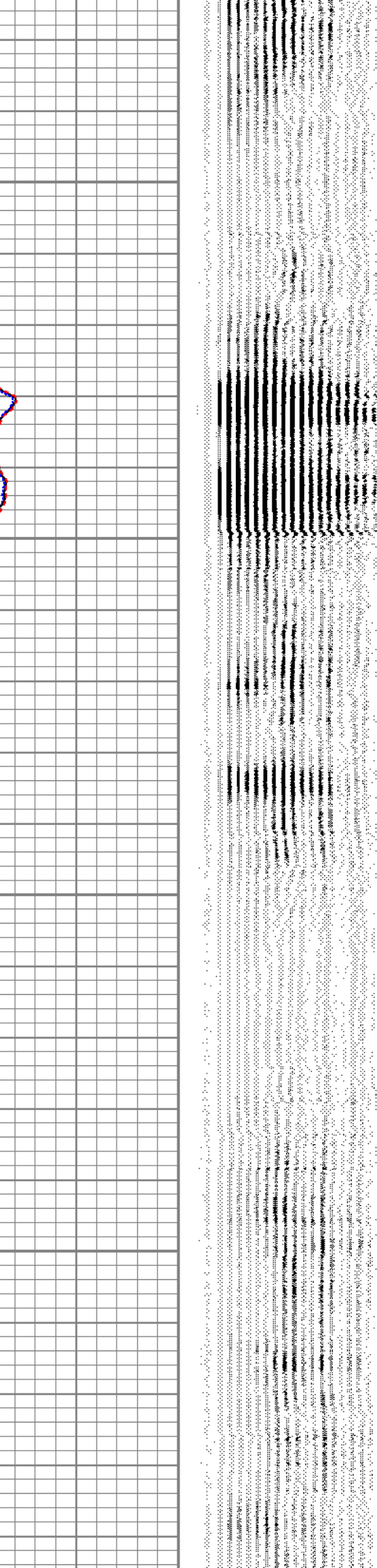
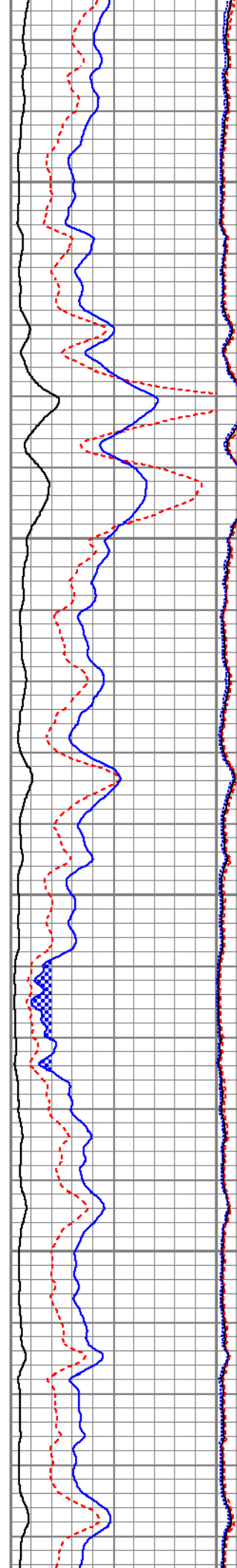


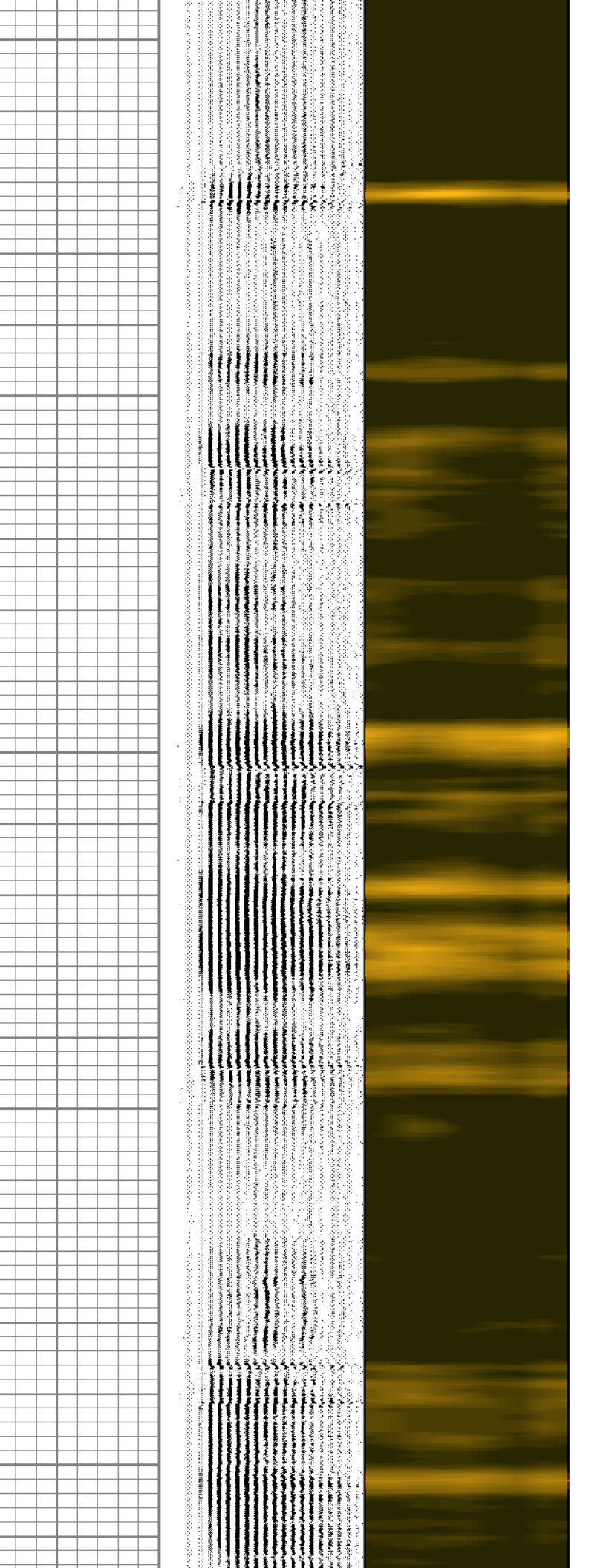
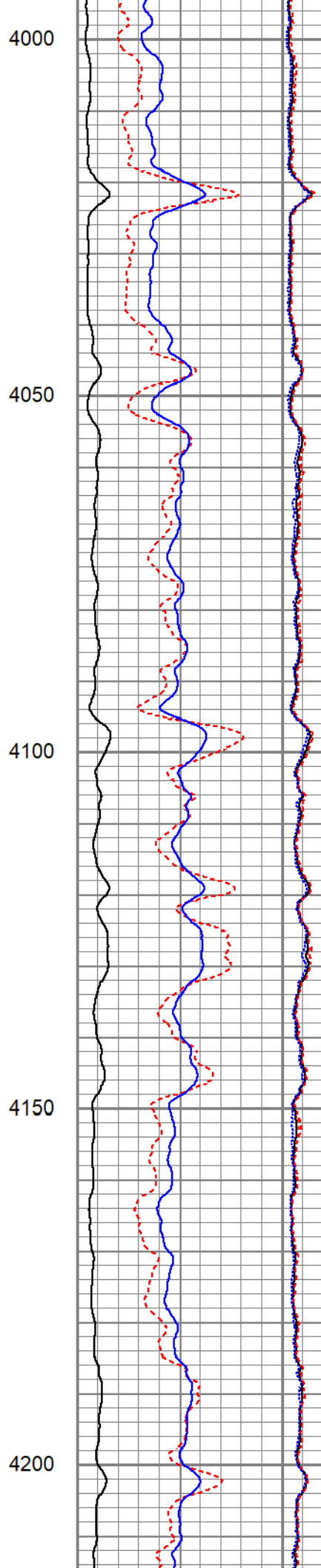
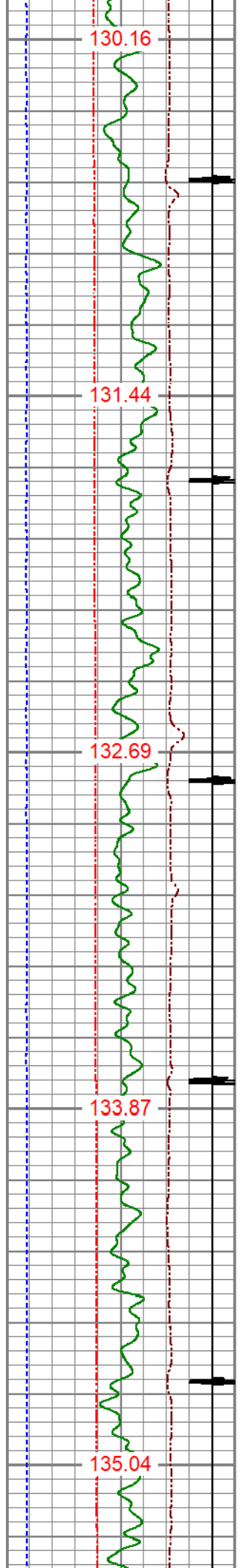
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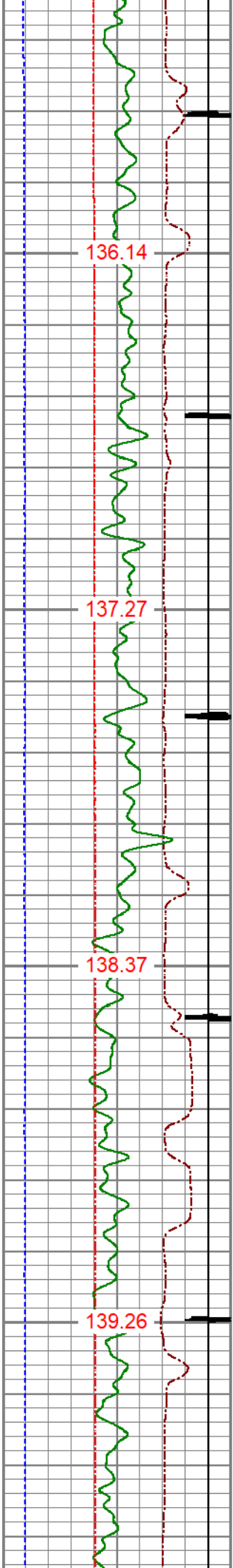
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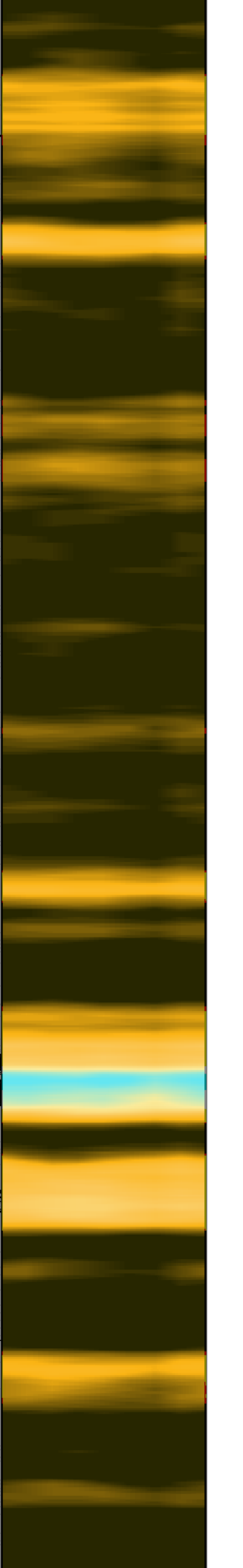
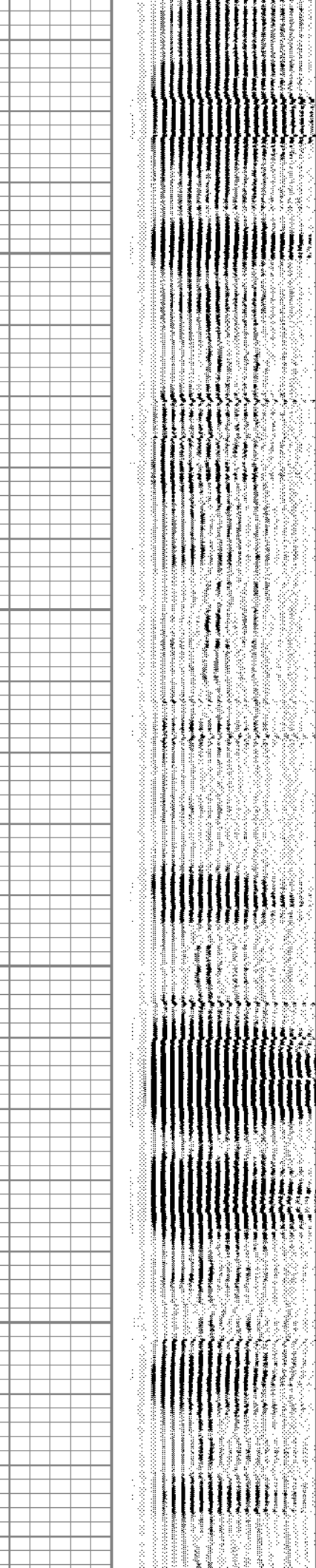
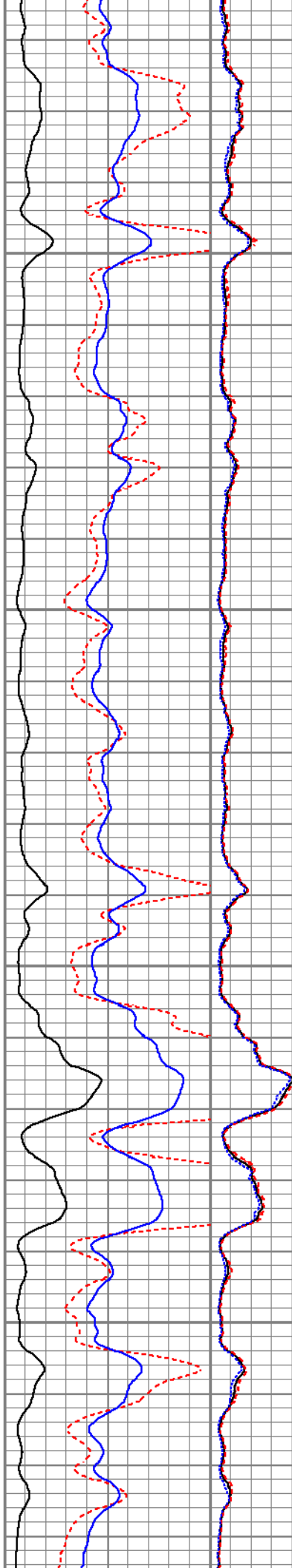
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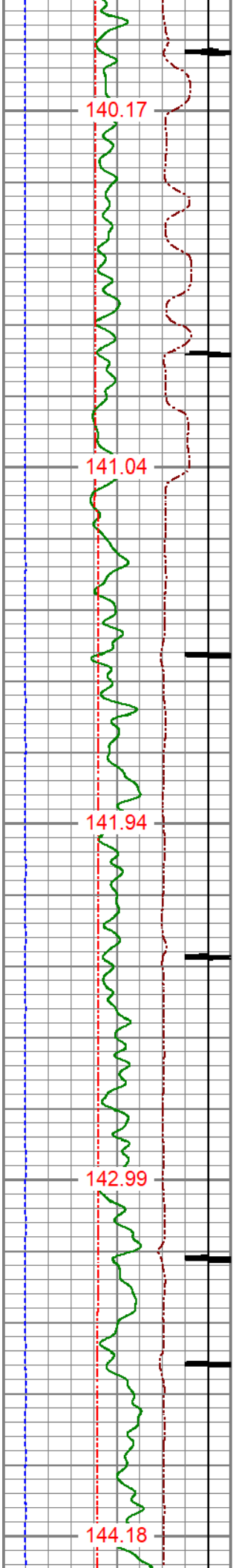




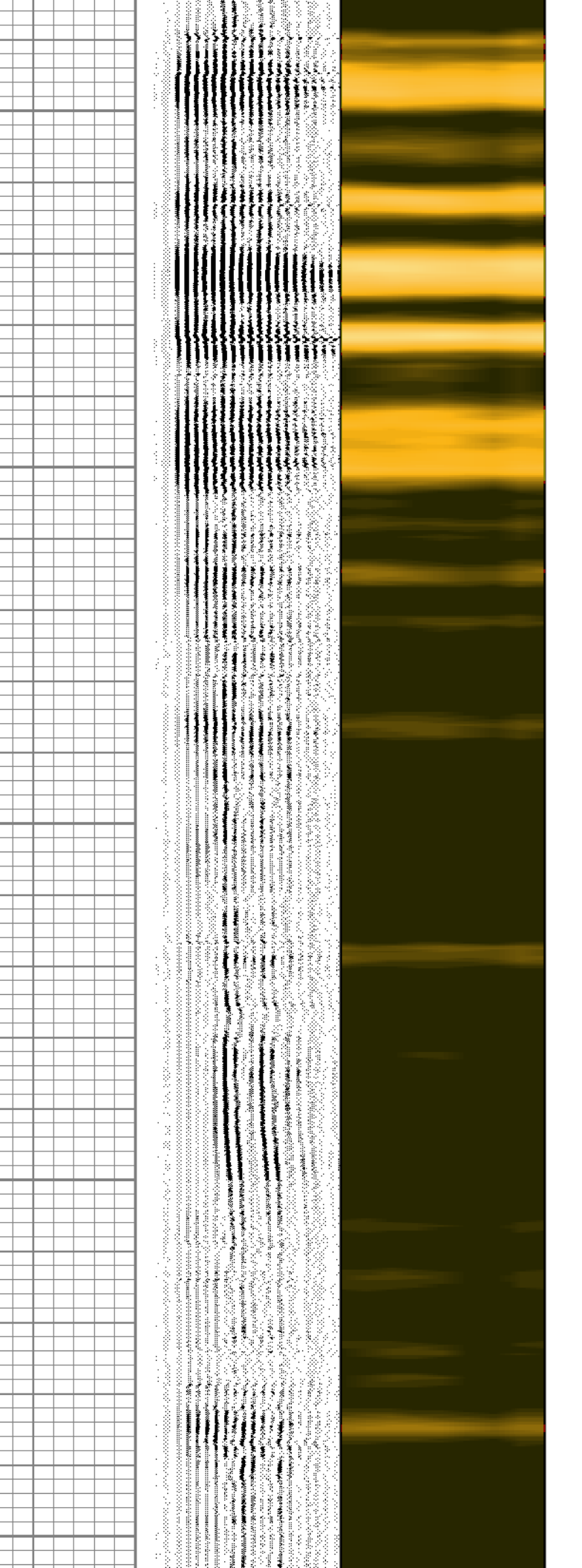
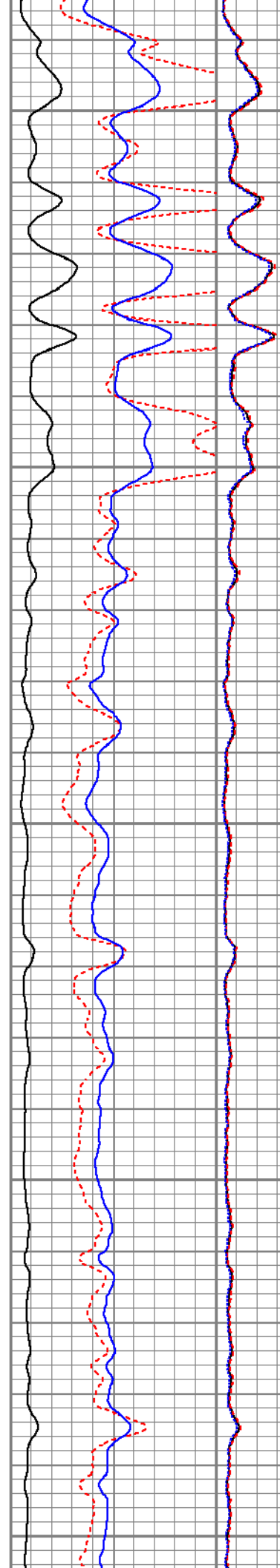


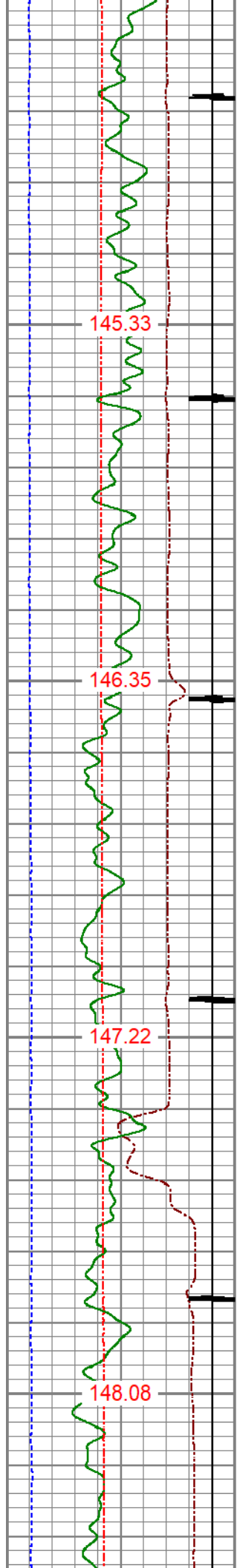
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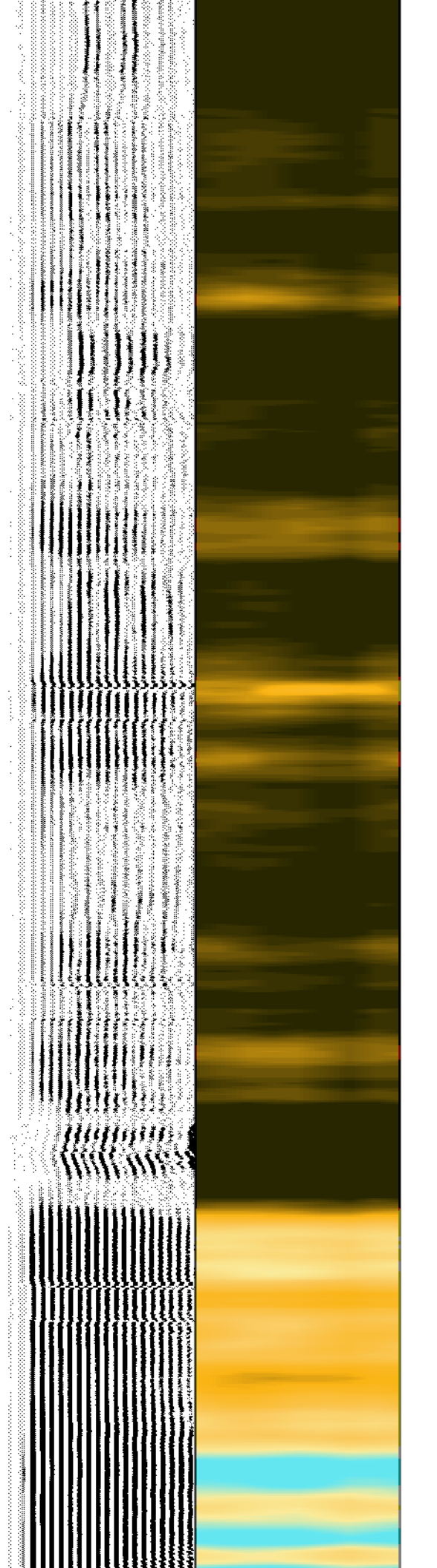
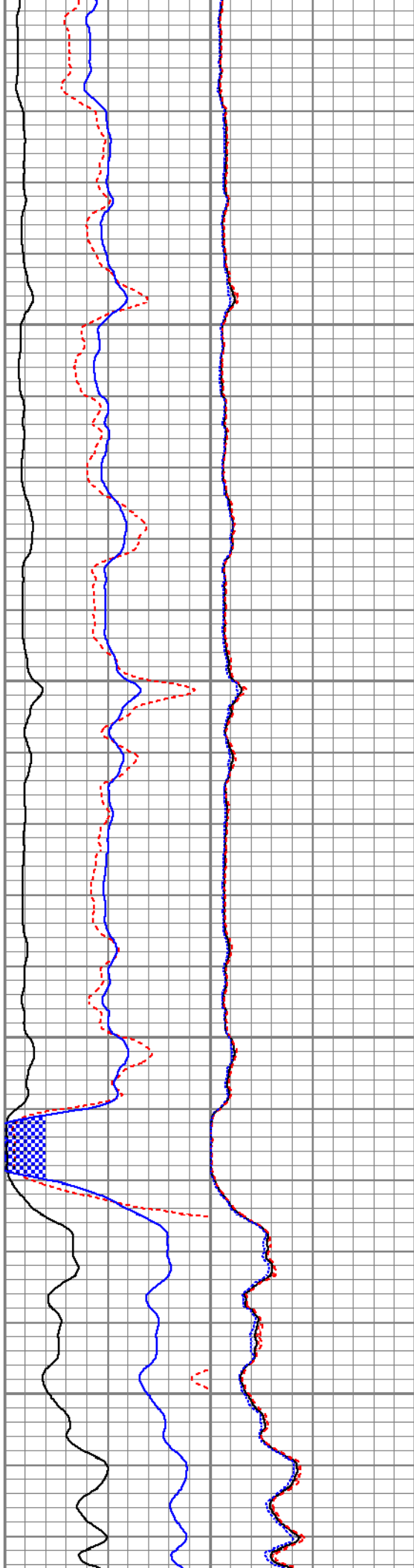


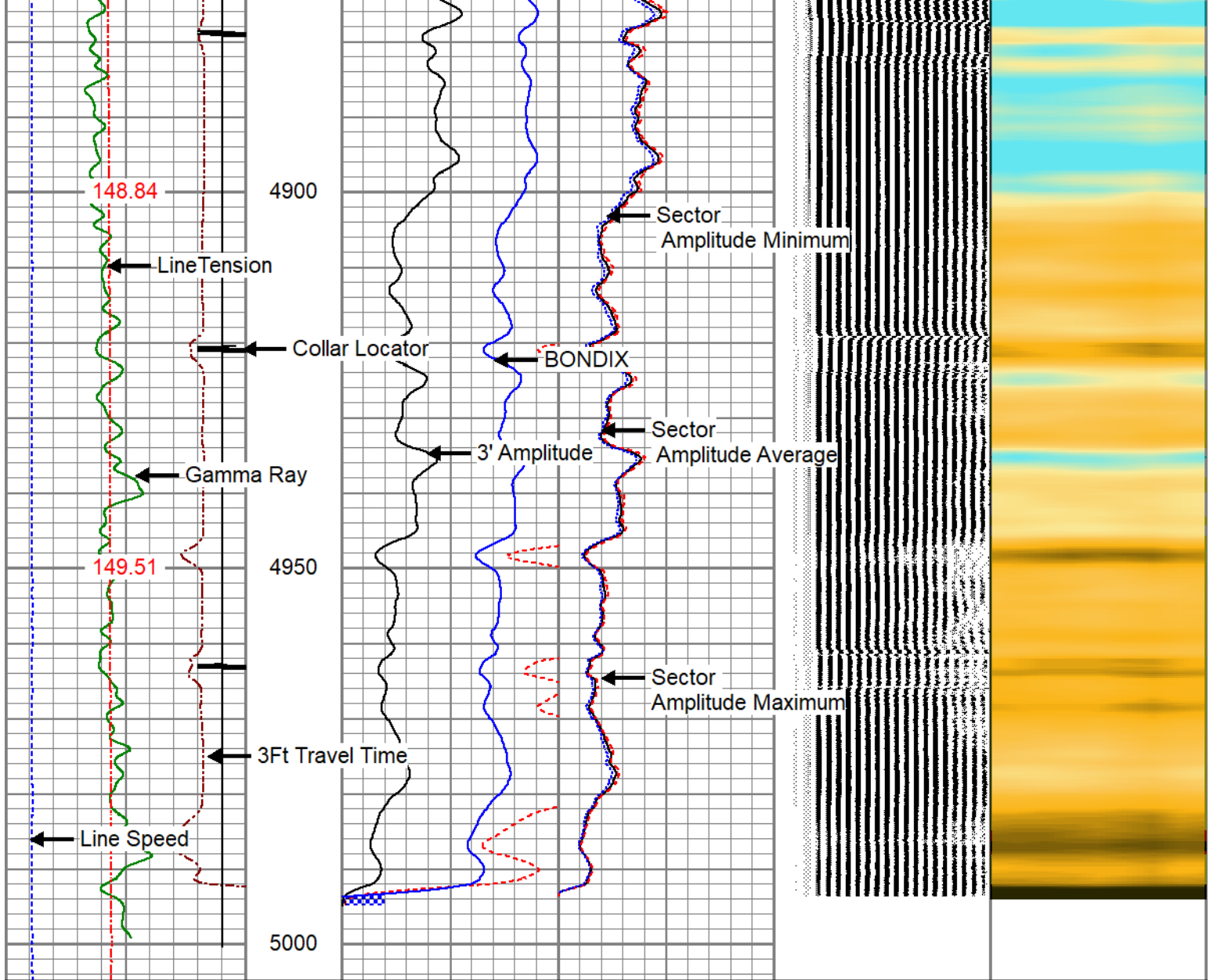
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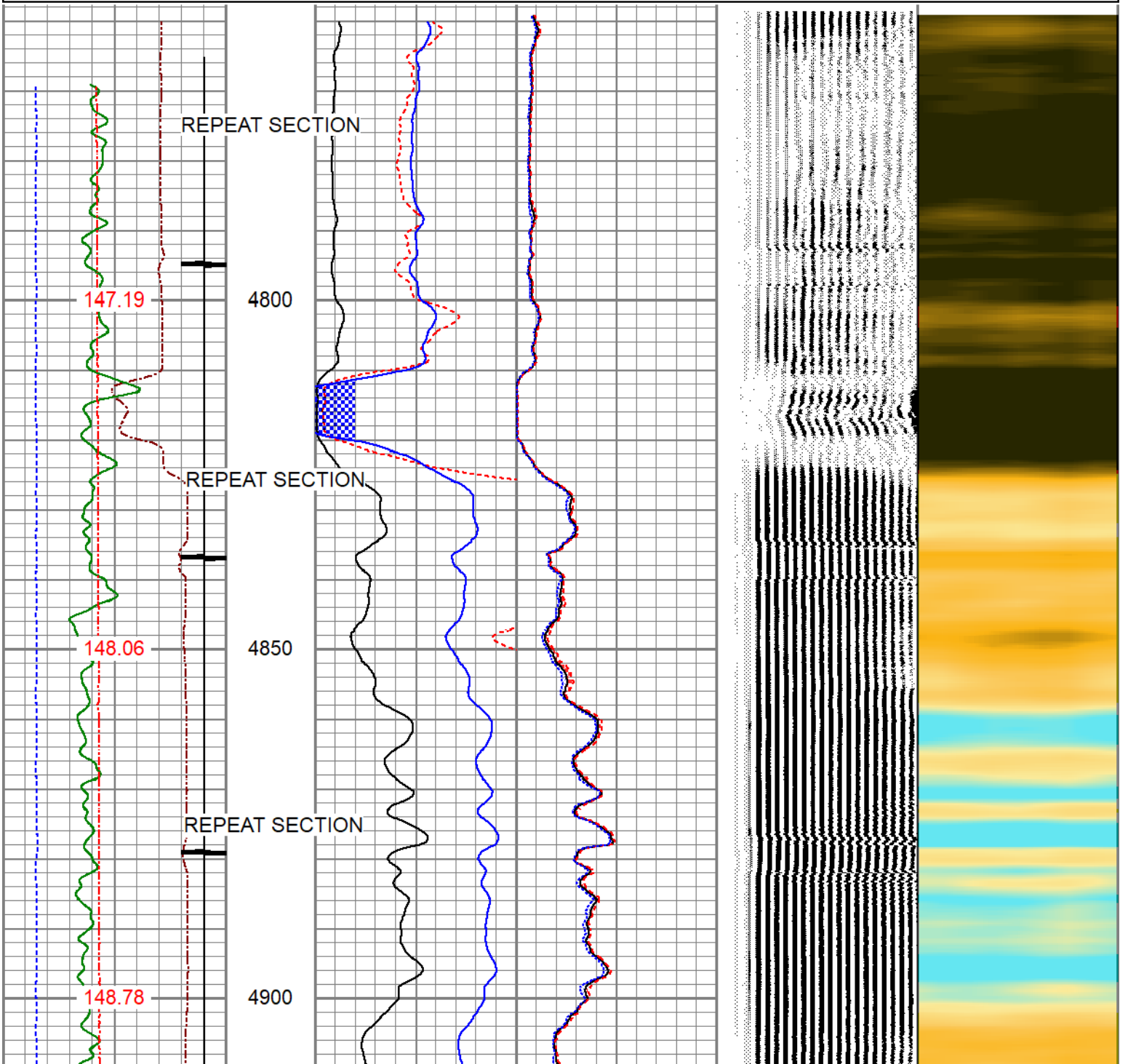
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-9 Collar Locator 1	3' Amplified Amplitude X 5 0 (mV) 20	Sector Amplitude Maximum 0 150		
Gamma Ray 0 (GAPI) 150	1 BONDIX 0	Sector Amplitude Minimum 0 150		
LineTension 0 (lb) 2000				
Line Speed -100 (ft/min) 100				
TEMP (degF)				

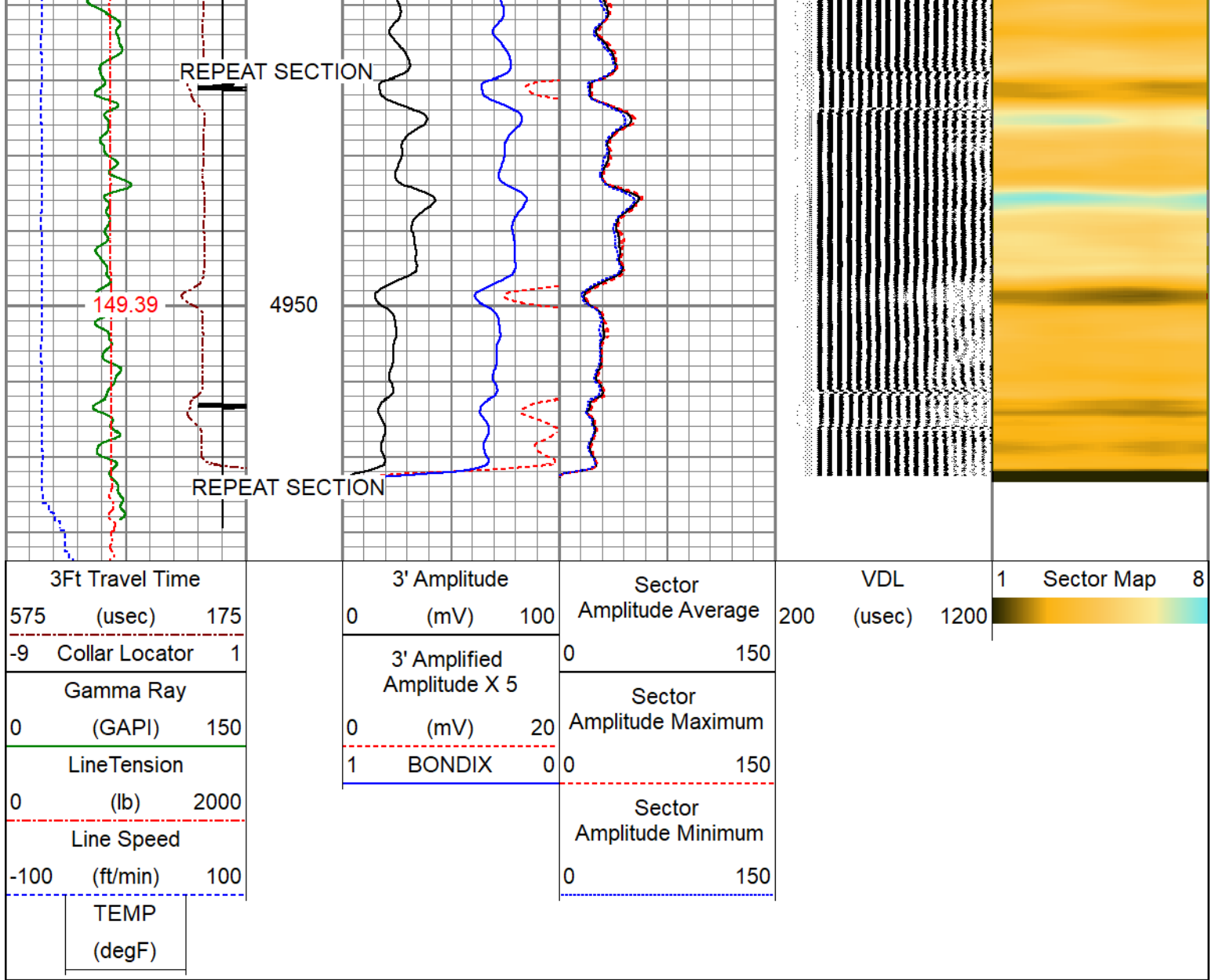


REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

3Ft Travel Time 575 (usec) 175	3' Amplitude 0 (mV) 100 3' Amplified Amplitude X 5 0 (mV) 20 1 BONDIX 0	Sector Amplitude Average 0 150	VDL 200 (usec) 1200	1 Sector Map 8 
-9 Collar Locator 1		Sector Amplitude Maximum 0 150		
Gamma Ray 0 (GAPI) 150		Sector Amplitude Minimum 0 150		
LineTension 0 (lb) 2000				
Line Speed -100 (ft/min) 100				
TEMP (degF)				





### Calibration Report

Database File oxy\_sweetgrass 22-24\_rcbl\_5000ft-0ft\_0psi\_5-27-25.db  
 Dataset Pathname pass2  
 Dataset Creation Tue May 27 07:23:29 2025

### Gamma Ray Calibration Report

Serial Number: 140181  
 Tool Model: 275 Probe GCT  
 Performed: Tue Apr 11 10:14:32 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 0.5500 GAPI/cps

### Segmented Cement Bond Log Calibration Report

Serial Number: FW1304-34  
 Tool Model: RBL-DC

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 43.096 ft

Master Calibration, performed Tue May 27 06:59:02 2025:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.009	1.421	0.800	81.196	56.928	0.293
CAL	1.533	1.547				
5'	0.028	1.563	0.800	81.196	52.392	-0.674
SUM						
S1	0.004	1.425	0.000	100.000	70.345	-0.273
S2	0.015	1.520	0.000	100.000	66.441	-0.984
S3	0.015	1.470	0.000	100.000	68.742	-1.031
S4	0.015	1.456	0.000	100.000	69.429	-1.054
S5	0.015	1.408	0.000	100.000	71.797	-1.057
S6	0.014	1.393	0.000	100.000	72.521	-1.033
S7	0.014	1.356	0.000	100.000	74.510	-1.039
S8	0.015	1.413	0.000	100.000	71.539	-1.092

Air Zero Calibration, performed Tue May 27 06:58:41 2025:

	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



Company ANADARKO PETROLEUM CORP  
 Well SWEETGRASS 22-14  
 Field WATTENBERG  
 County WELD  
 State CO