

**RADIAL BOND LOG
GAMMA RAY**

Company	Mallard Exploration	Well	Green Teal FED 34-27-3HN
Field	Duck Pond	County	Weld
State	Colorado	Location:	SEC 34 TWP 8N RGE 60W
Permanent Datum	GL	Elevation	4923'
Log Measured From	KB	K.B.	4940'
Drilling Measured From	KB	D.F.	4939'
		G.L.	4923'
Other Services	None		

Date	16-FEB-2022
Run Number	One
Depth Driller	16618 FT
Depth Logger	6629 FT
Bottom Logged Interval	6626 FT
Top Log Interval	Surface
Open Hole Size	8.5
Type Fluid	Water
Density / Viscosity	8.33
Max. Recorded Temp.	222 F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	7:10
Equipment Number	203
Location	Greeley CO
Recorded By	N. Wells
Witnessed By	Pat Martin
Location	02/24/2022
Recorded By	dsa

Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wd/Ft	Top	Bottom
Surface String	9 5/8	36	Surface	---
Prot. String	5.5"	20	Surface	16618 FT
Production String				
Liner				

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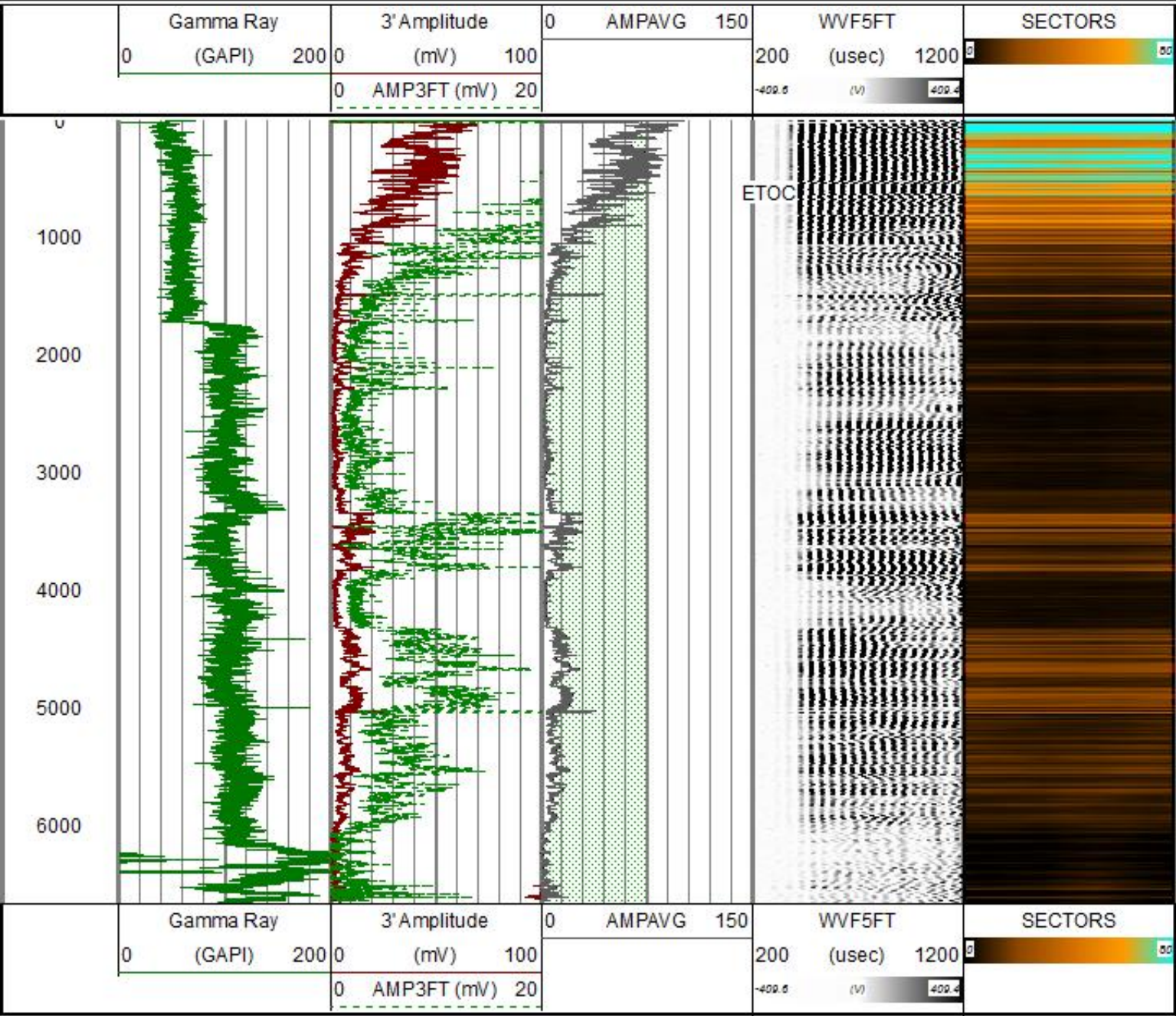
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

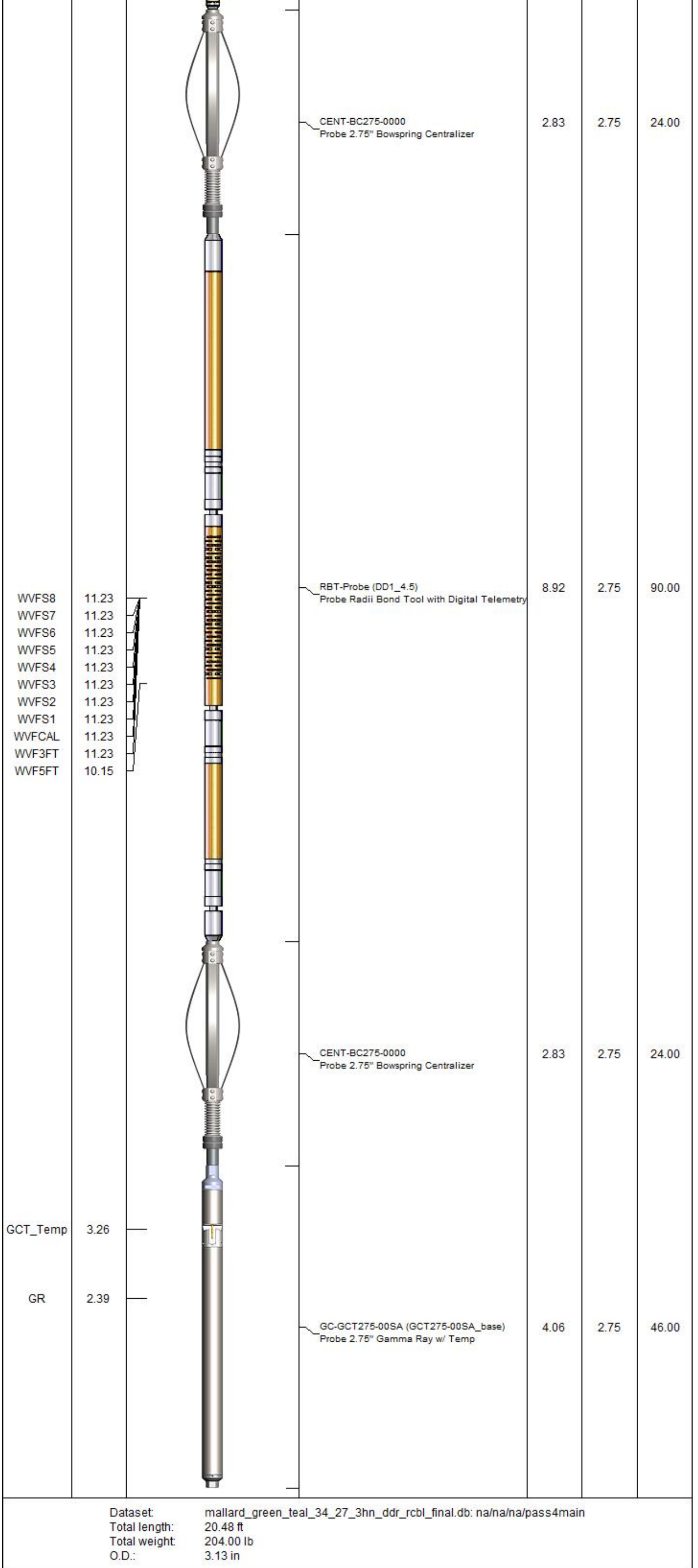
ESTIMATED CEMENT TOP 610'
Log Recorded With 500 PSI Surface Pressure
Correlated to Marker Joint at 5646 FT

Thank you for choosing GO Wireline

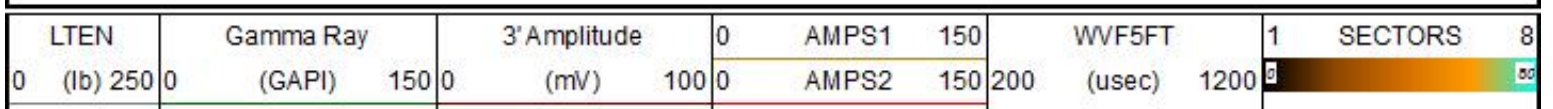
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 Presentation Format RBL_1l~1
 Dataset Creation Thu Feb 24 19:38:54 2022
 Charted by Depth in Feet scaled 1:15000



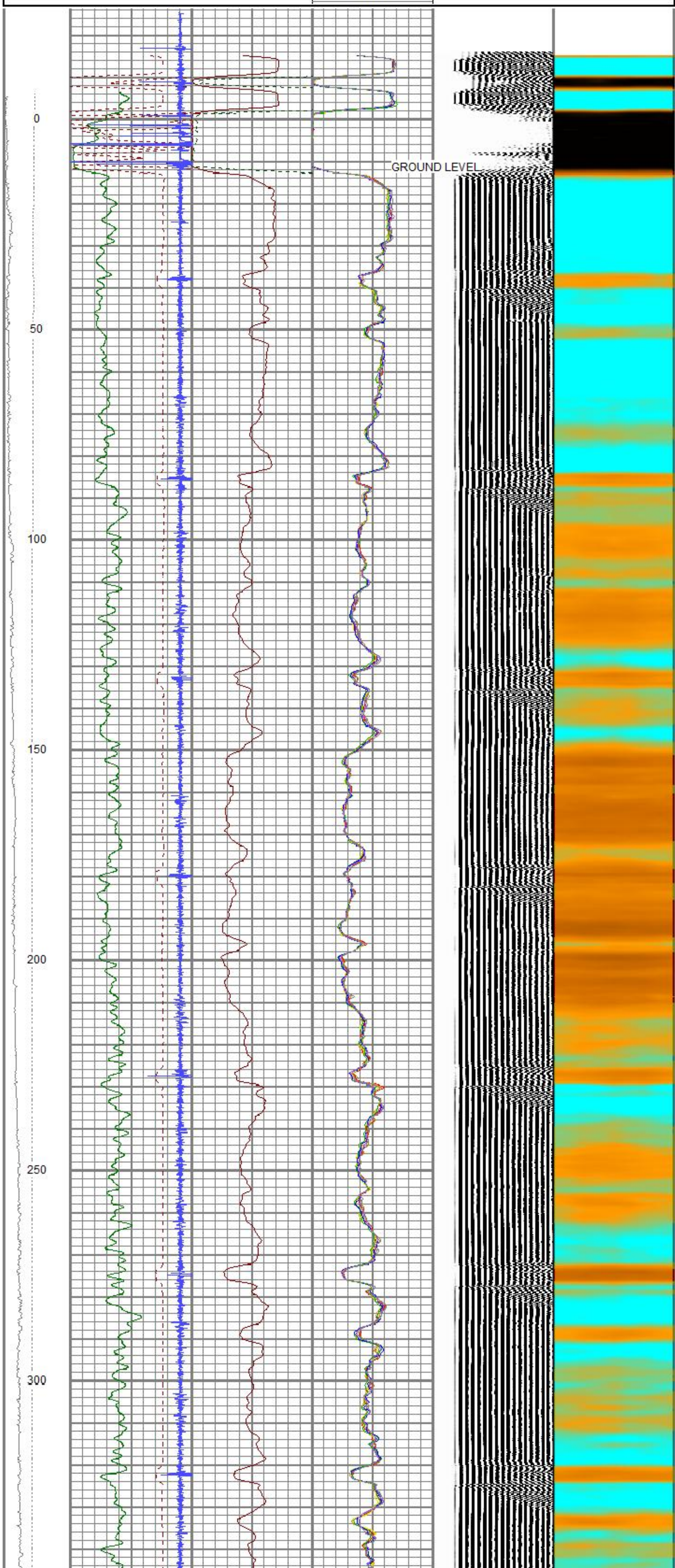
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
Error_Ct	20.48					
CCL	19.31		CCL-teko (2.75CCL) 3.125 logging ccl	1.83	3.13	20.00

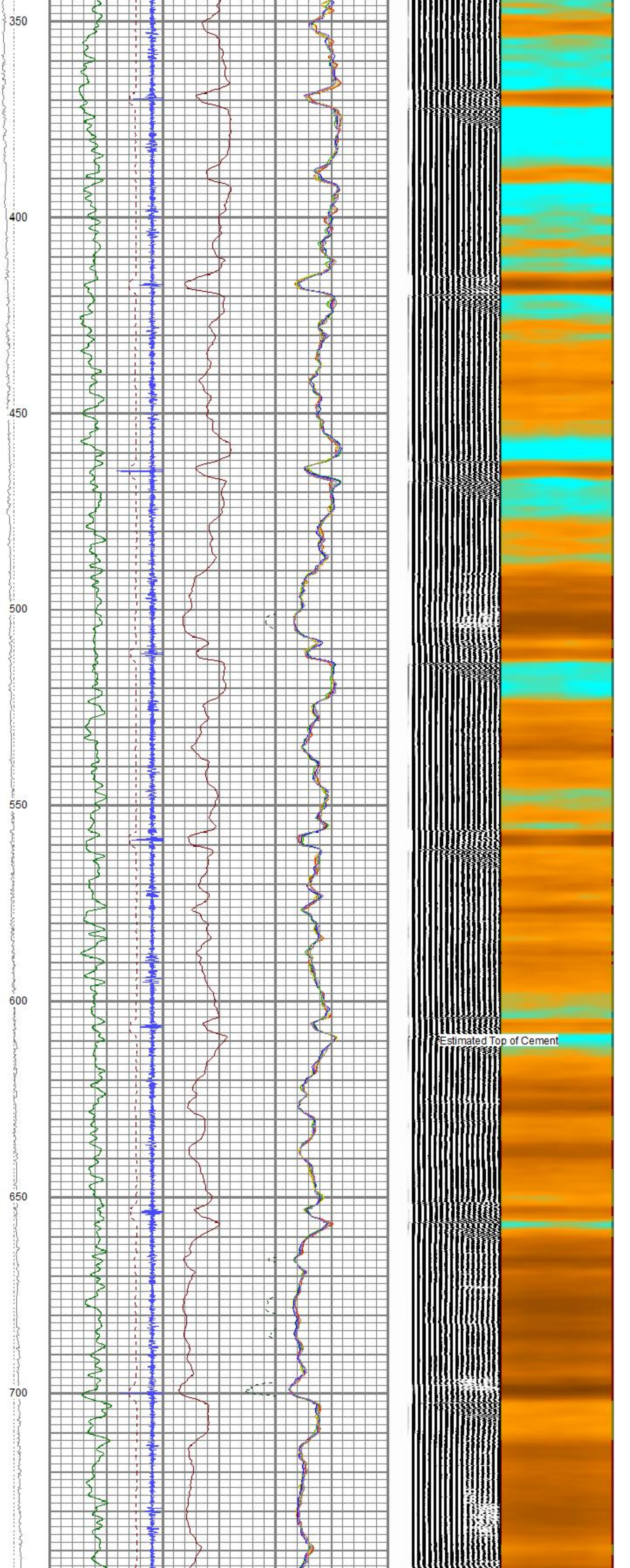


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 Presentation Format: RBL_AL~1
 Dataset Creation: Thu Feb 24 19:38:54 2022
 Charted by: Depth in Feet scaled 1:240

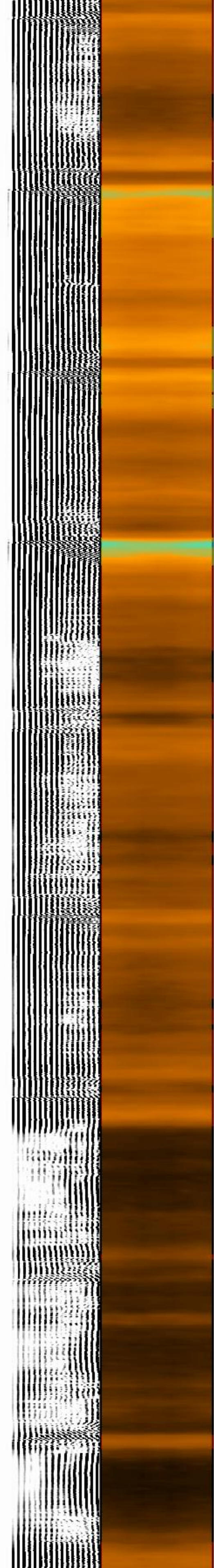
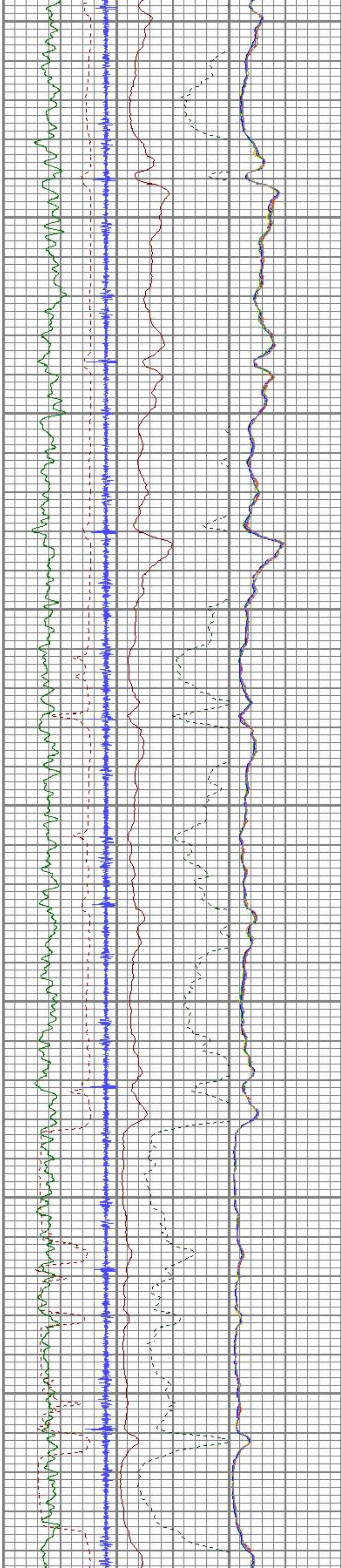


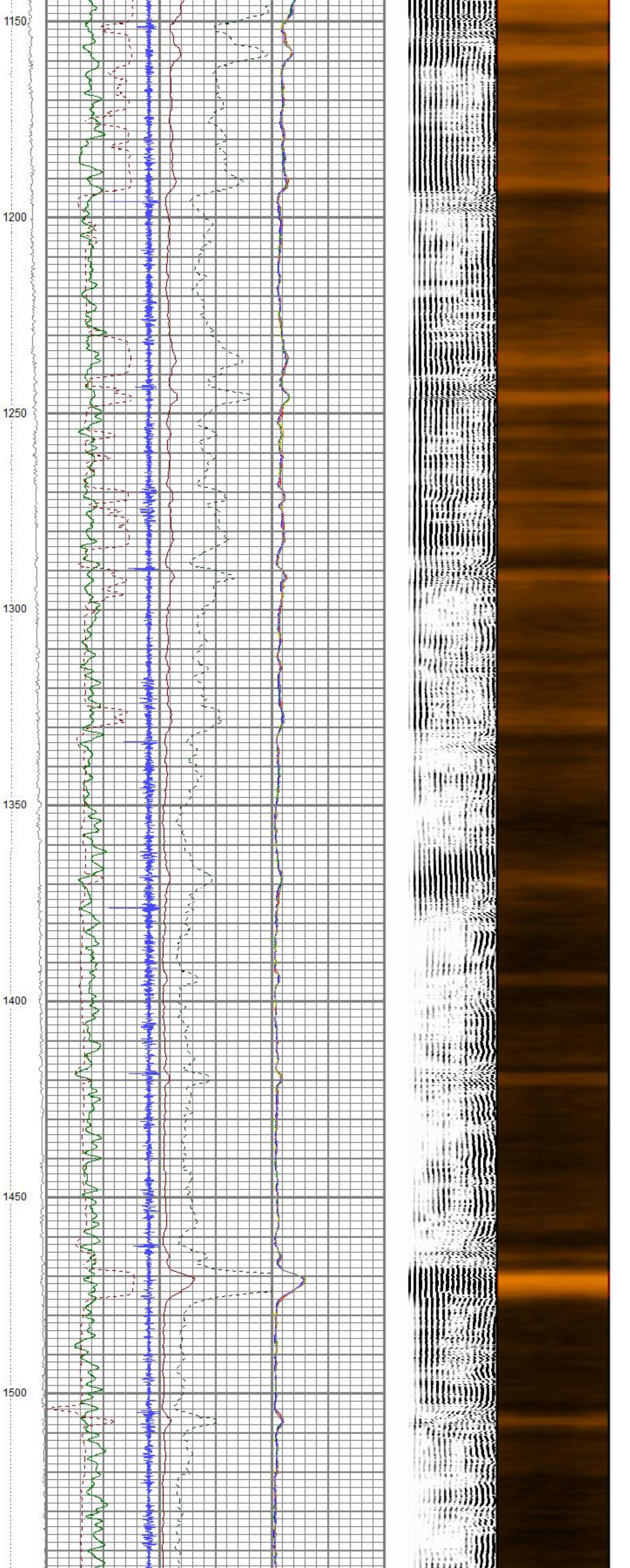
LSPD	340	TT3FT (usec)	240	3	Amplified Amplitude	0	AMPS3	150
(ft/min)	-30	CCL	30	(mV)	20	0	AMPS4	150
500	-500					0	AMPS5	150
						0	AMPS6	150
						0	AMPS7	150
						0	AMPS8	150

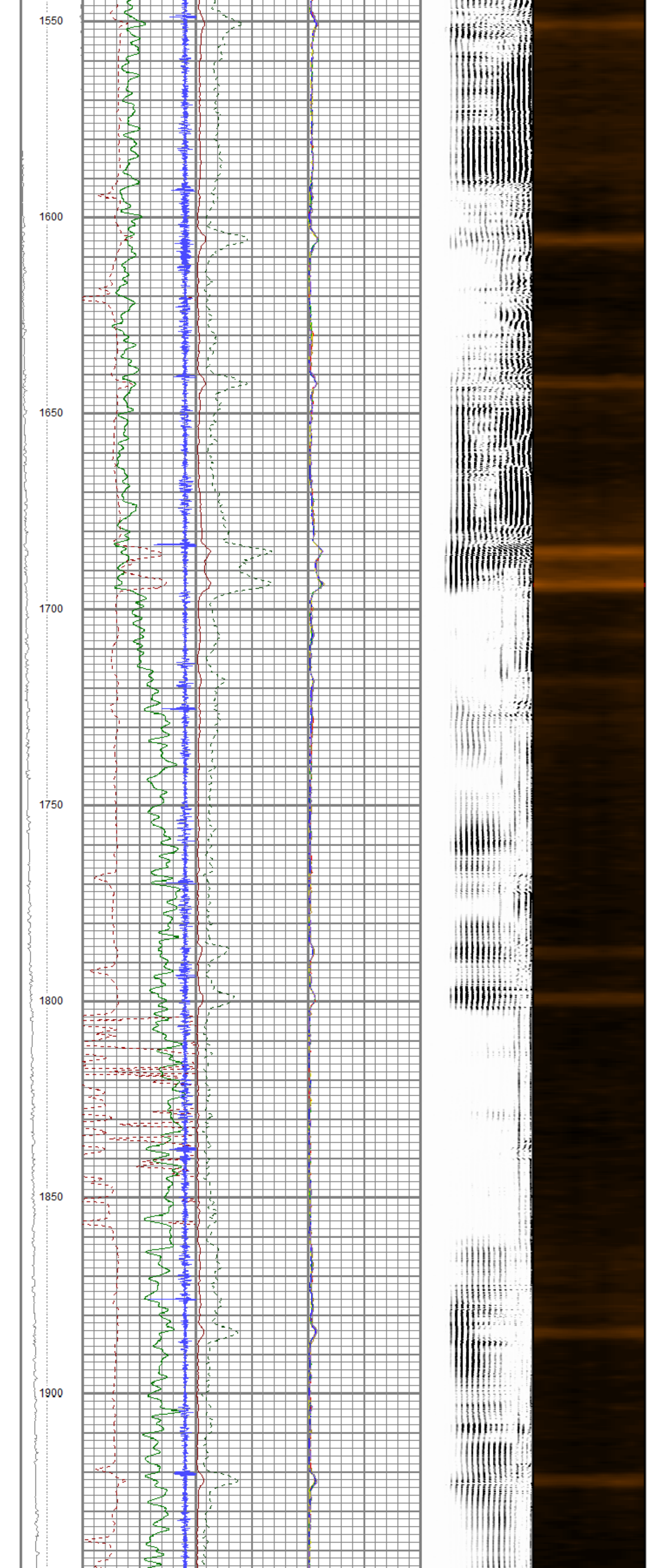


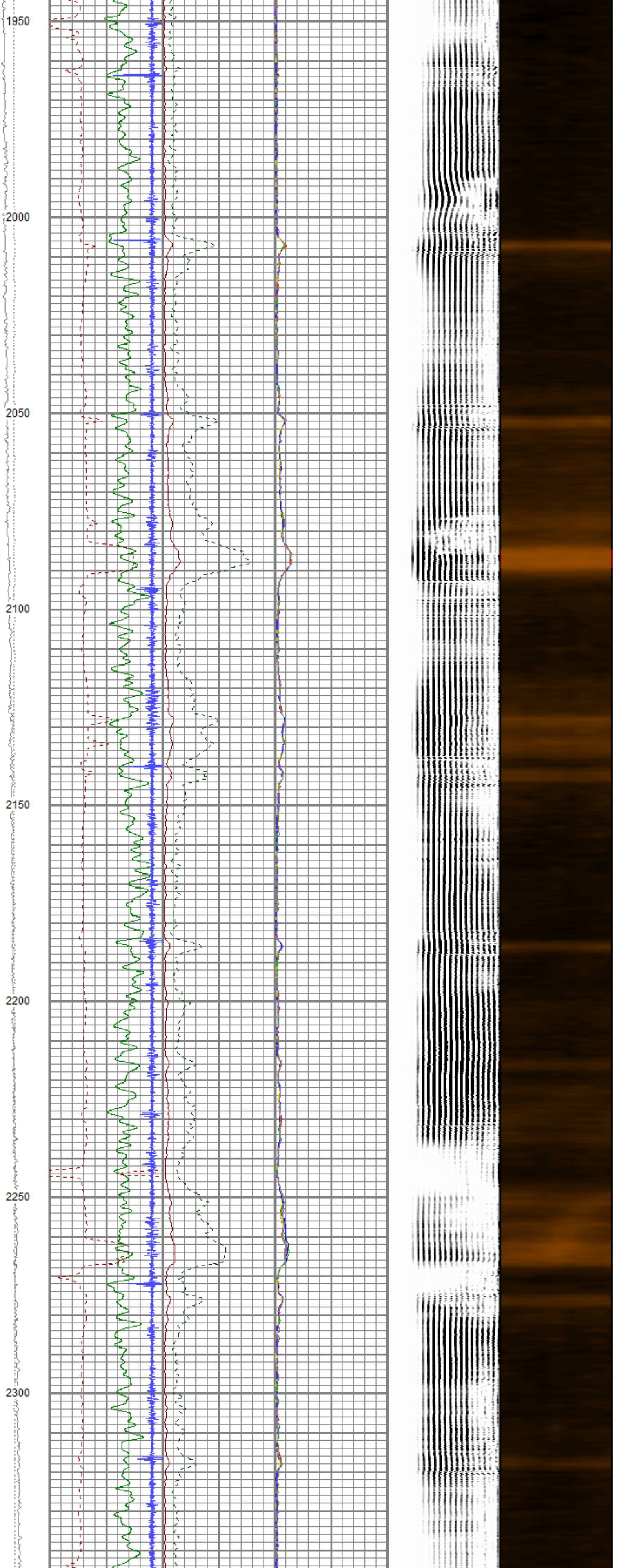


750
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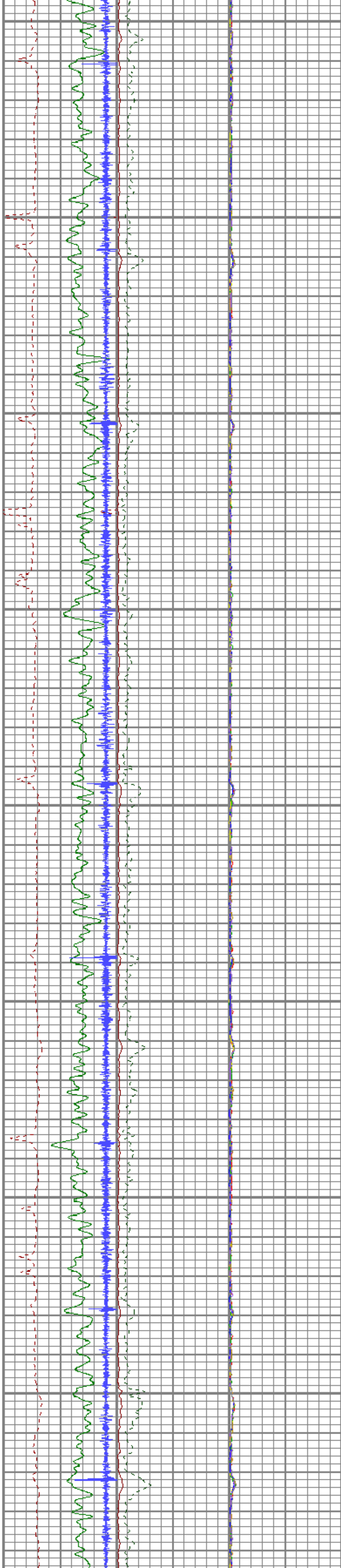




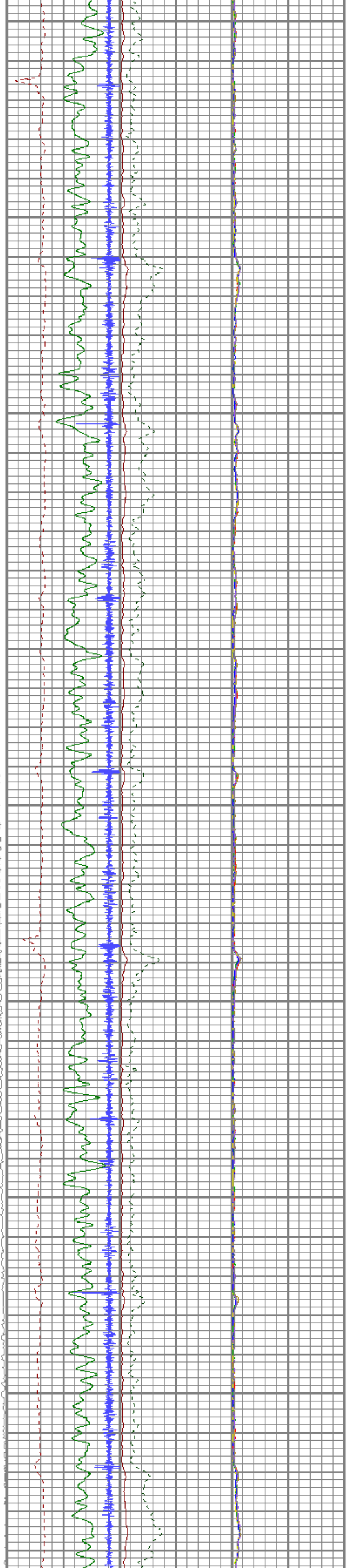


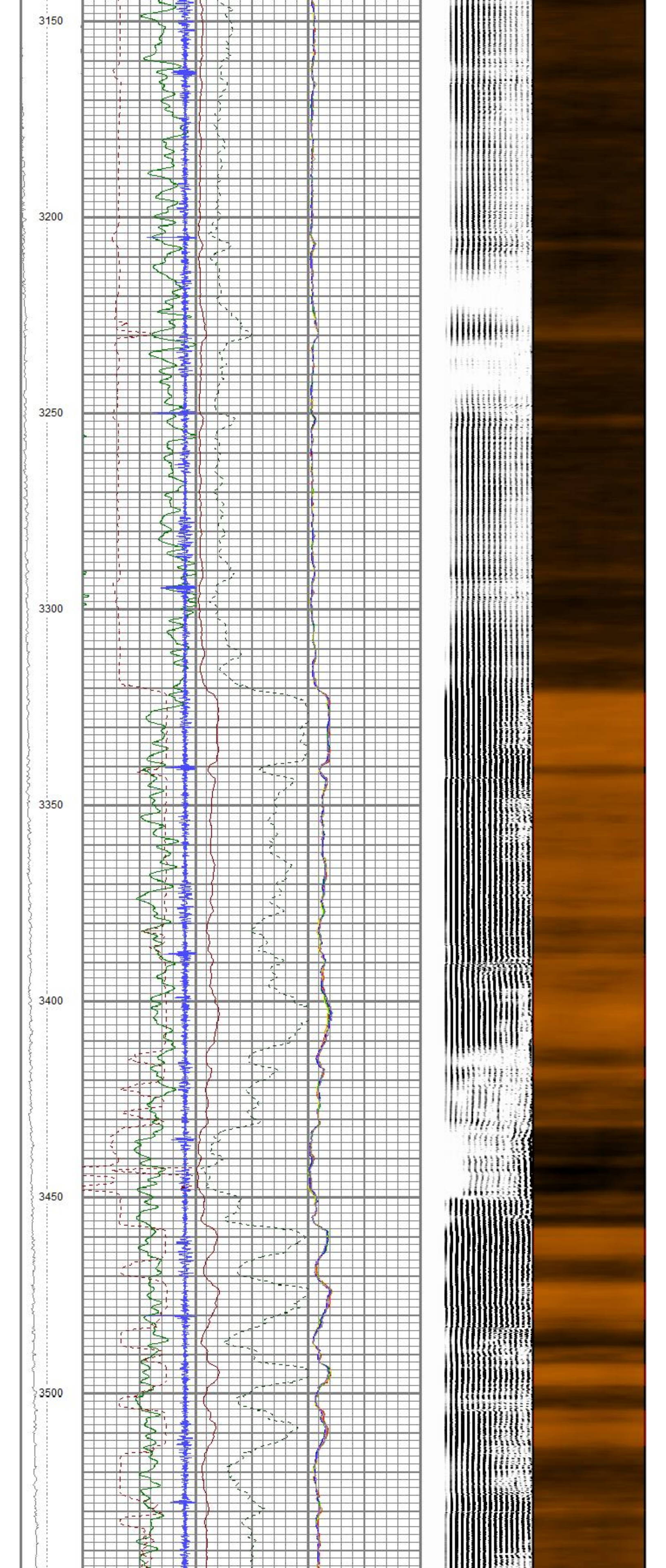


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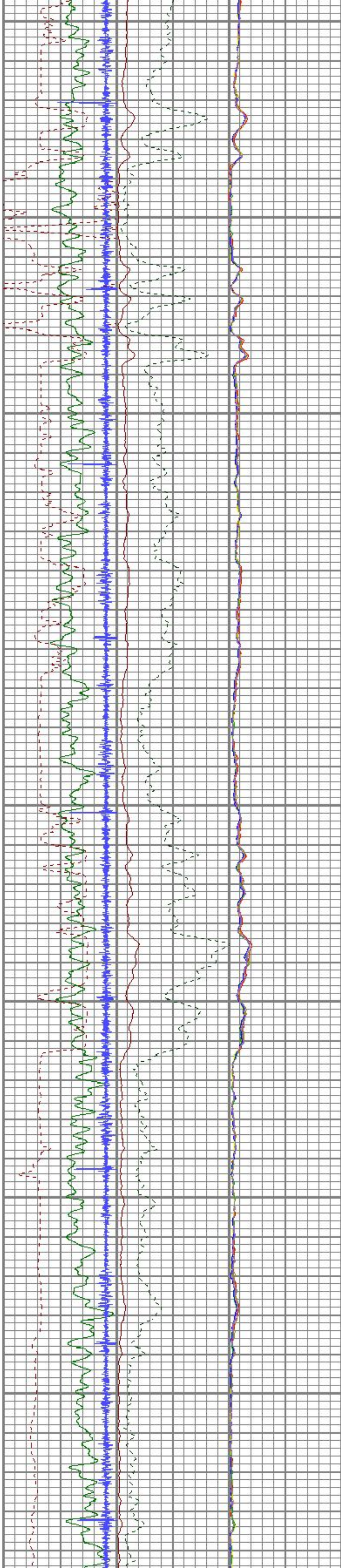


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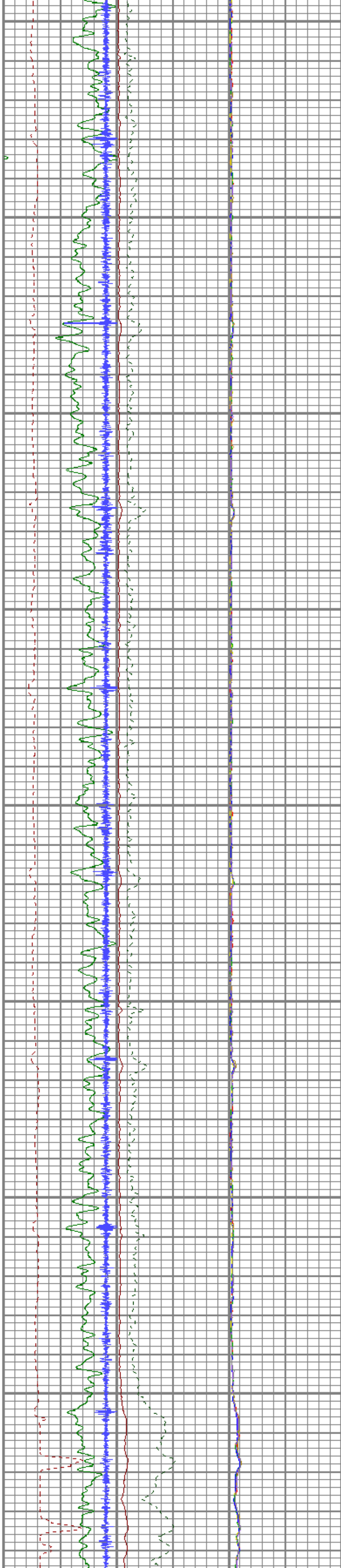




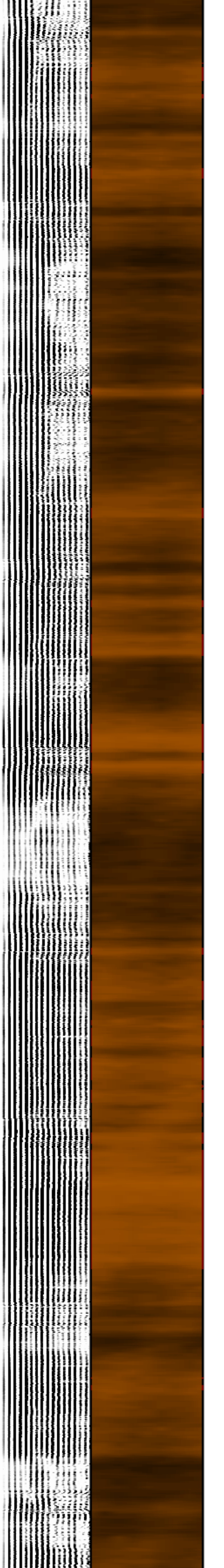
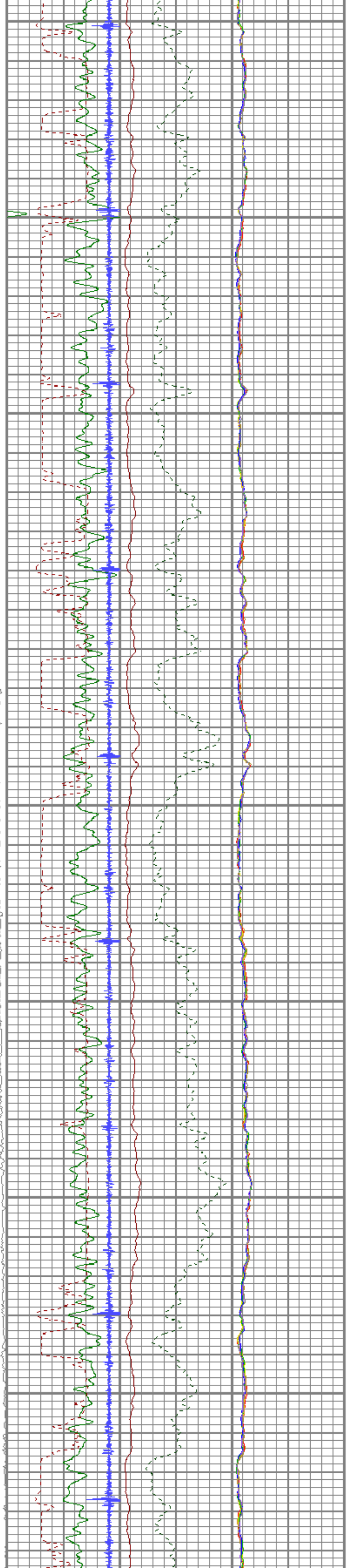
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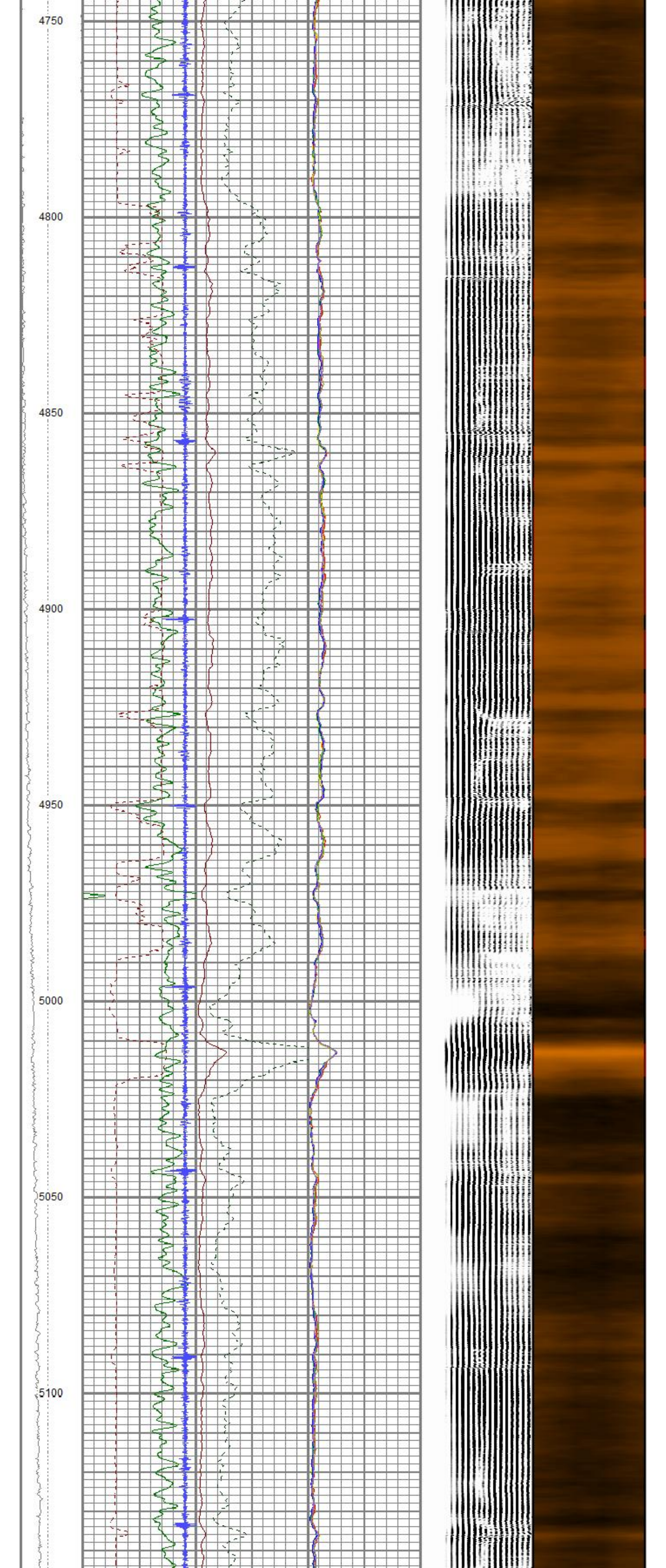


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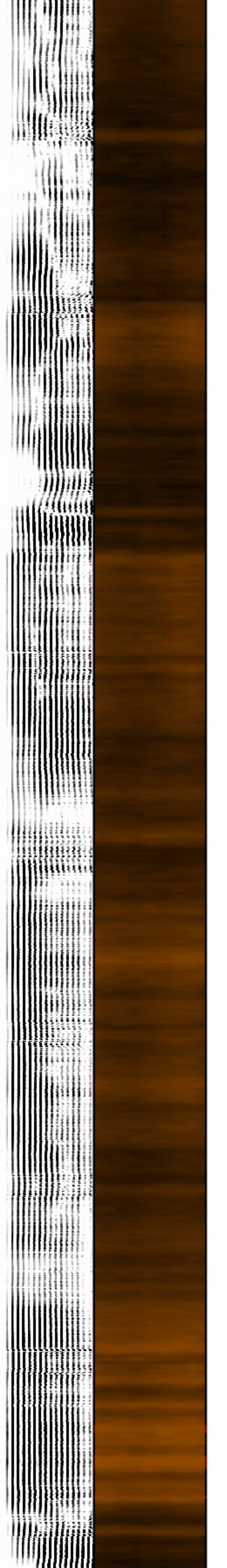
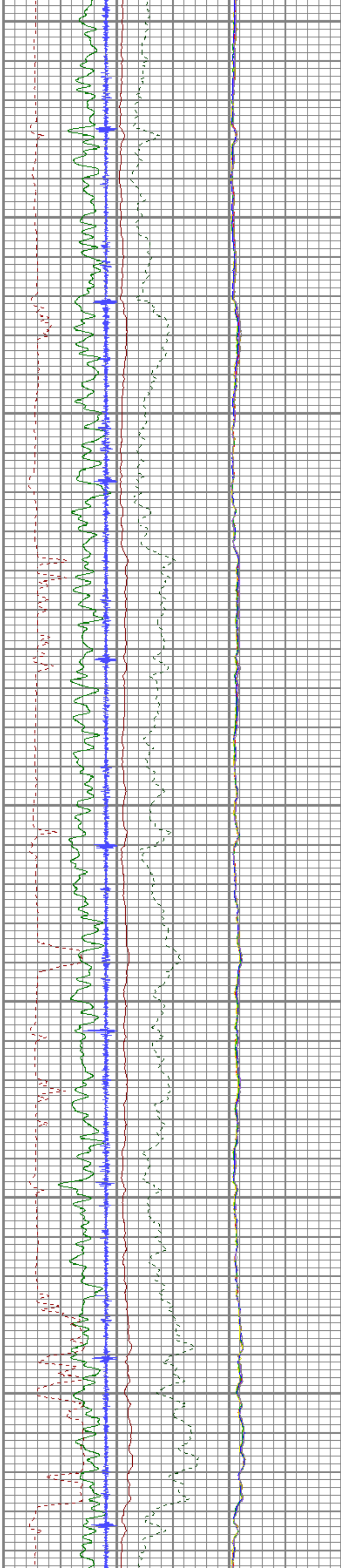


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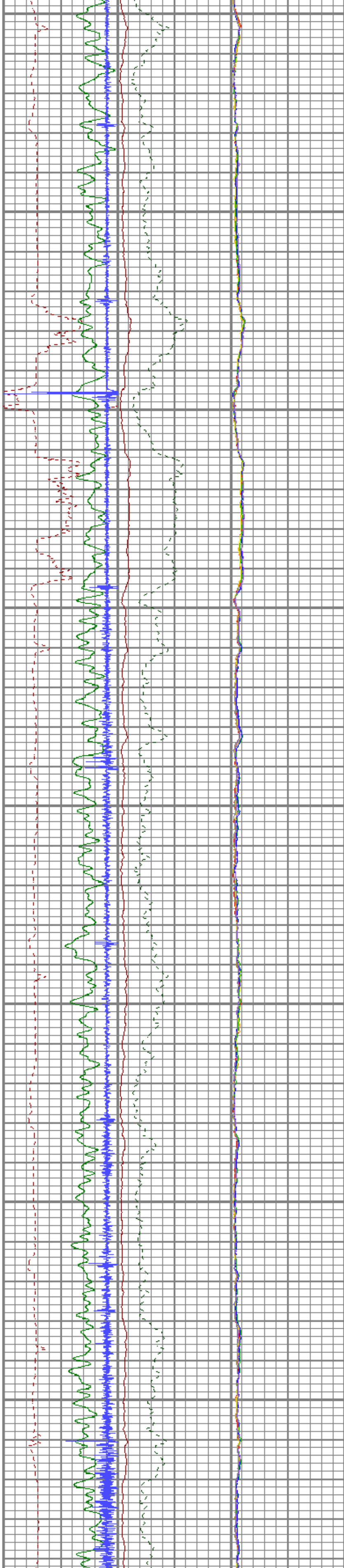




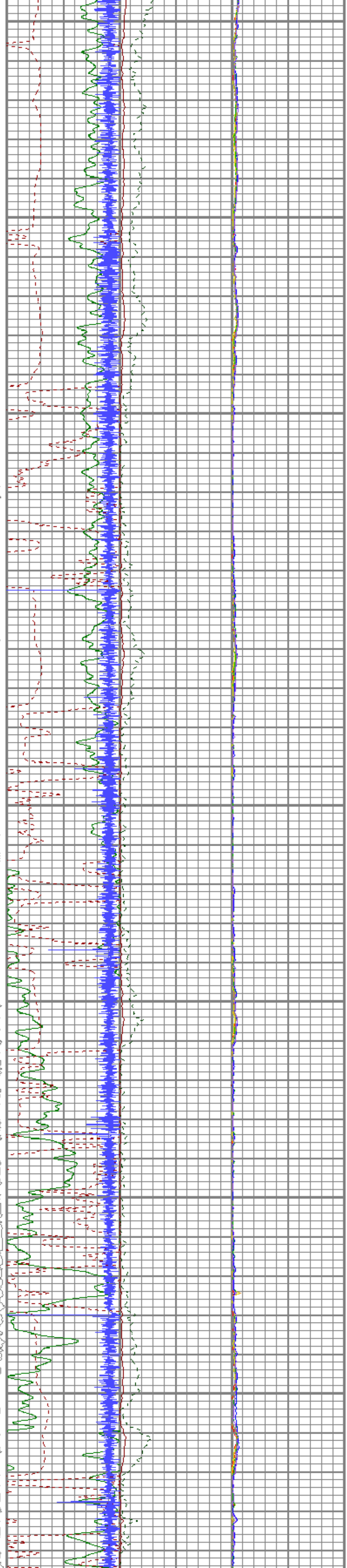
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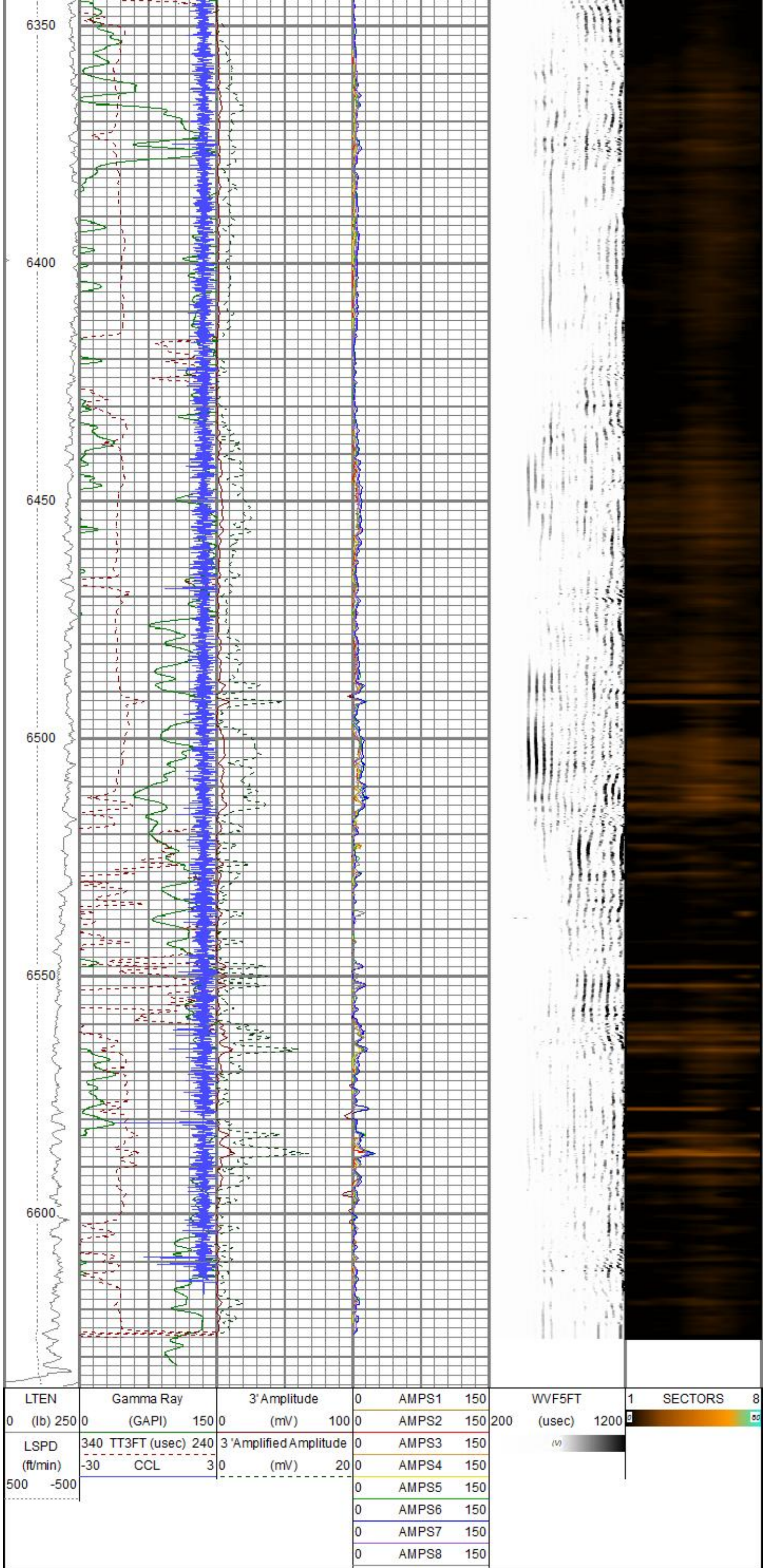


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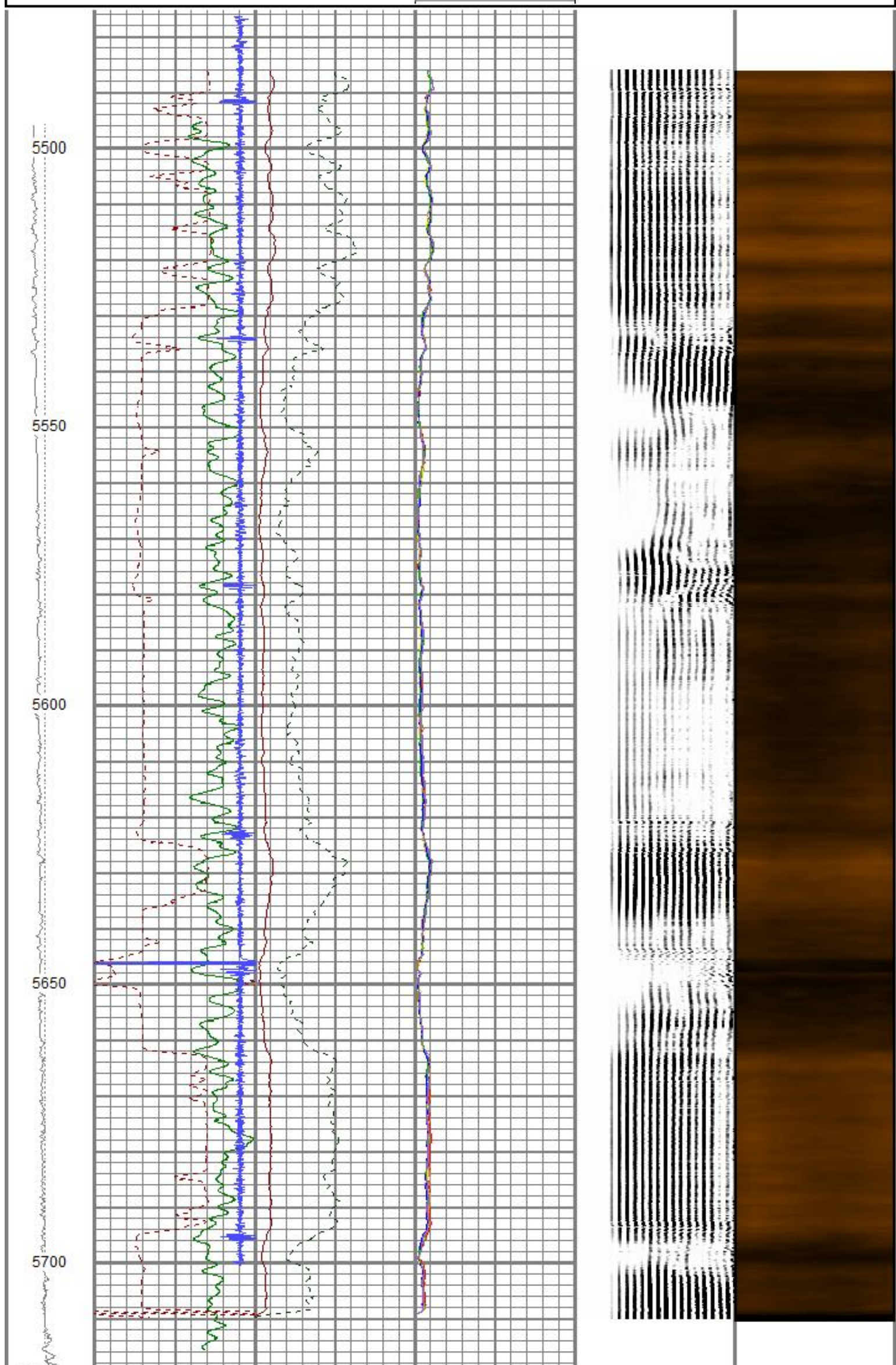


Repeat Pass

Database File: d:_work stuff active\all customers\mallard\mallard_green_tea_34_27_3hn
 Dataset Pathname: na/na/na/pass2repeat
 Presentation Format: RBL_AL~1
 Dataset Creation: Thu Feb 24 19:41:24 2022
 Charted by: Depth in Feet scaled 1:240

LTEN	Gamma Ray	3' Amplitude	0	AMPS1	150	WWF5FT	1	SECTORS	8
0 (lb) 250	0 (GAPI) 150	0 (mV) 100	0	AMPS2	150	200 (uSec) 1200	2		80
LSPD	340 TT3FT (uSec) 240	3' Amplified Amplitude	0	AMPS3	150				
(ft/min)	-30 CCL 30	0 (mV) 20	0	AMPS4	150				
500 -500			0	AMPS5	150				
			0	AMPS6	150				
			0	AMPS7	150				
			0	AMPS8	150				

0	AMPS6	150
0	AMPS7	150
0	AMPS8	150



LTEN 0 (lb) 250	Gamma Ray (GAPI) 150	3' Amplitude (mV) 100	0 AMPS1 150	0 AMPS2 150	0 AMPS3 150	0 AMPS4 150	0 AMPS5 150	0 AMPS6 150	0 AMPS7 150	0 AMPS8 150	WVF5FT (usec) 1200	1 SECTORS 8
LSPD (ft/min) 500 -500	340 TT3FT (usec) 240 -30 CCL 3	3' Amplified Amplitude (mV) 20	0 AMPS1 150	0 AMPS2 150	0 AMPS3 150	0 AMPS4 150	0 AMPS5 150	0 AMPS6 150	0 AMPS7 150	0 AMPS8 150		

Calibration Report

Database File: d:\work stuff active\all customers\mallard\mallard_green_teal_34_27_3hn_d
 Dataset Pathname: na/na/na/pass4main
 Dataset Creation: Thu Feb 24 19:38:54 2022

Gamma Ray Calibration Report

Serial Number: GCT275-00SA_base
 Tool Model: GCT275-00SA
 Performed: (Not Performed)

Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: DD1_4.5
 Tool Model: Probe

Calibration Casing Diameter: 5.500 in
 Calibration Depth: -8.983 ft

Master Calibration performed (Date:)

Master Calibration, performed (Derived).

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	0.582	0.500	71.921	124.351	-0.454
CAL	0.008	0.727				
5'	0.008	0.423	0.500	71.921	171.890	-0.813
SUM						
S1	-0.000	0.566	0.000	100.000	176.537	0.054
S2	0.004	0.570	0.000	100.000	176.534	-0.669
S3	0.003	0.571	0.000	100.000	176.226	-0.583
S4	0.006	0.578	0.000	100.000	174.832	-1.044
S5	0.002	0.588	0.000	100.000	170.737	-0.419
S6	0.005	0.580	0.000	100.000	174.013	-0.948
S7	0.003	0.582	0.000	100.000	172.788	-0.586
S8	0.004	0.576	0.000	100.000	174.749	-0.639

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.008	0.727	1.000	0.000

Air Zero Calibration, performed Wed Feb 16 06:18:37 2022:

	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	