



Radi Bond Log
Gamma Ray CCL
Temp

Company Antero Resources Well Wabble 2H Field Tyler County WW State WW	Country	Company Antero Resources		
		Well Wabble 2H		
		Field Tyler		
		County	Tyler	
	State	WW		Country
Location:		API # : AFE A11791		Other Services
		4709502781		
	SEC	TWP	RGE	Elevation
	Permanent Datum	Ground Level	Elevation	K.B.
	Log Measured From	Ground Level		D.F.
	Drilling Measured From	K.B. 30FT.		G.L.

Date	June 20 2022
Run Number	One
Depth Driller	N/A
Depth Logger	6752 FT
Bottom Logged Interval	6752 FT.
Top Log Interval	Surface
Open Hole Size	7 5/8
Type Fluid	Water
Density / Viscosity	9.5
Max. Recorded Temp.	138.2
Estimated Cement Top	730 FT.
Time Well Ready	17:20
Time Logger on Bottom	13:55
Equipment Number	Unit 116
Location	Marietta Ohio
Recorded By	D.Heater
Witnessed By	James Carder

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record		Size	Wgt/Ft	Top	Bottom		
Surface String							
Prot. String							
Production String							
Liner		5 1/2	23lbs/FT.				

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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

Tool has been zeroed at KB
Marker at 5606-5616

Thank you for using Nine Energy Service

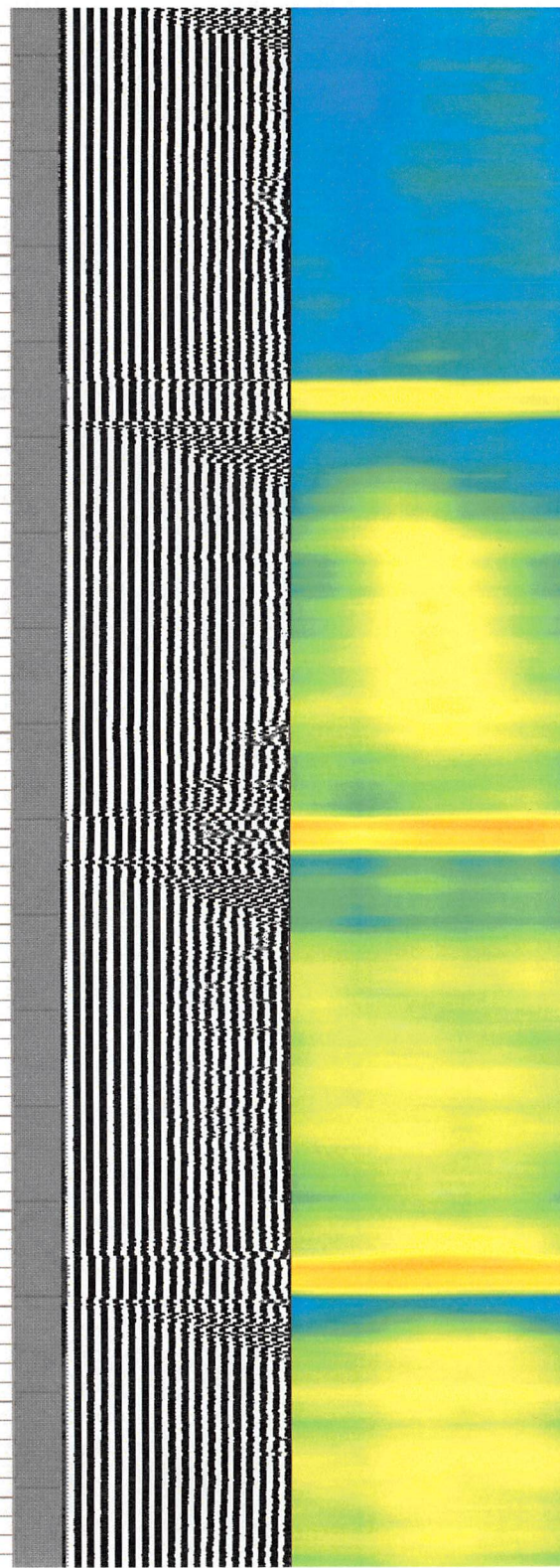
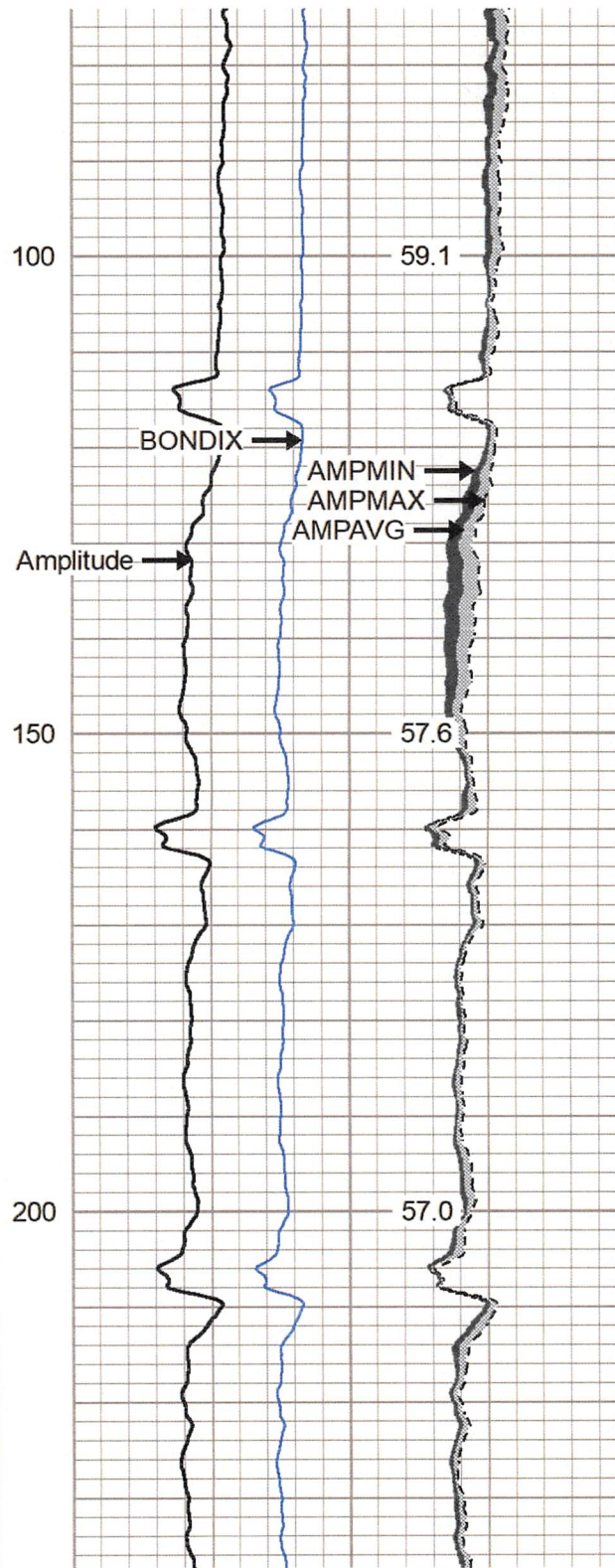
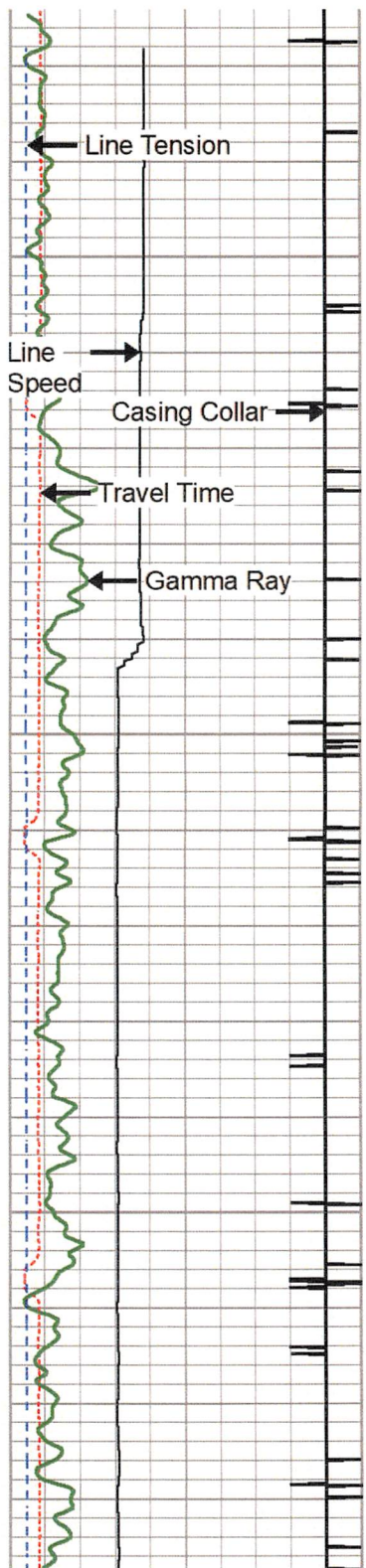


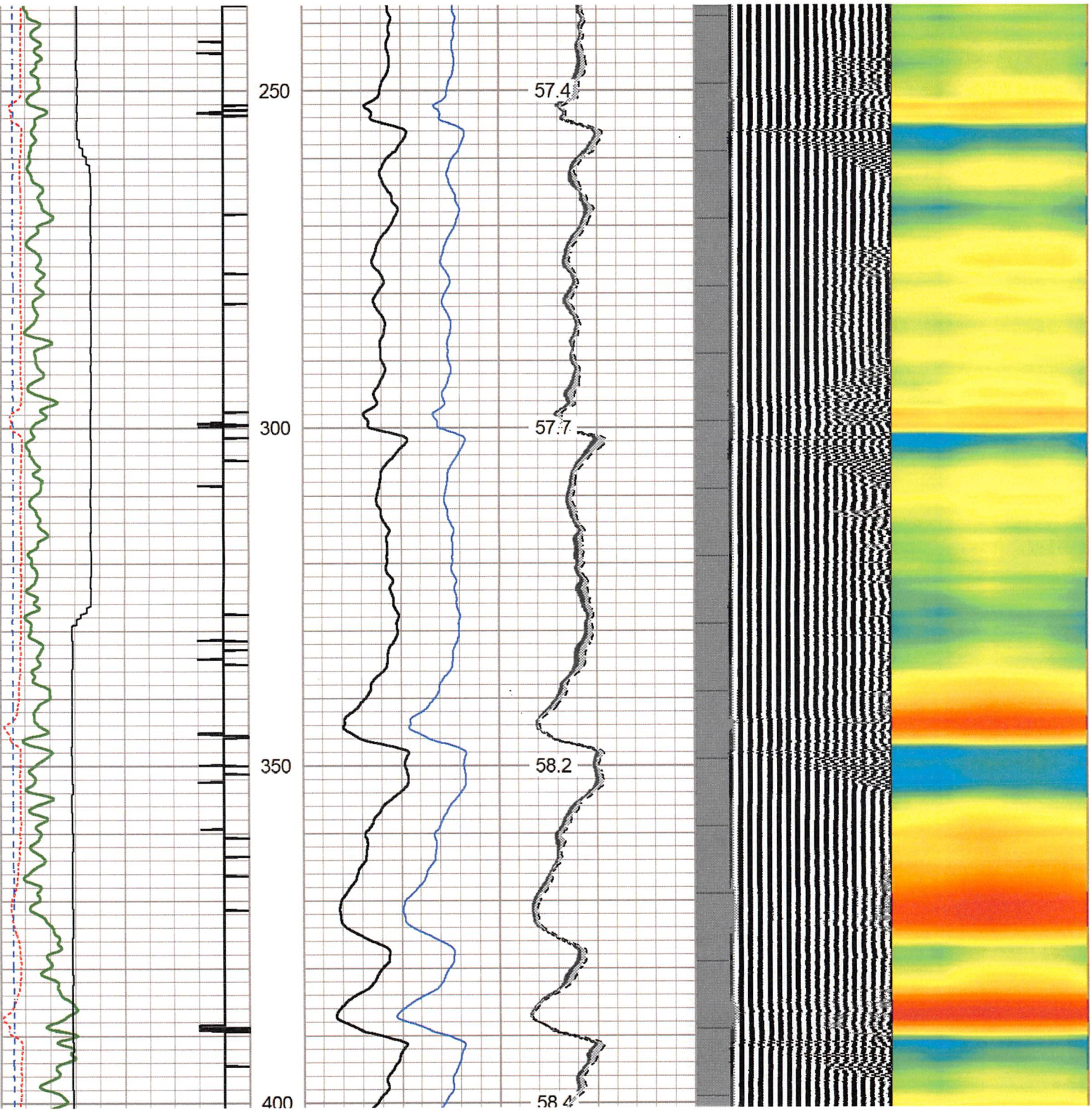
Main Pass 1500 PSI

Database File e:\antero resources wabble 2h june 20 2022\june 20 2020 antero wabble 2h.db
 Dataset Pathname pass6
 Presentation Format rcbl-bond index for antero 1020
 Dataset Creation Mon Jun 20 16:54:20 2022
 Charted by Depth in Feet scaled 1:240

270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	5000										



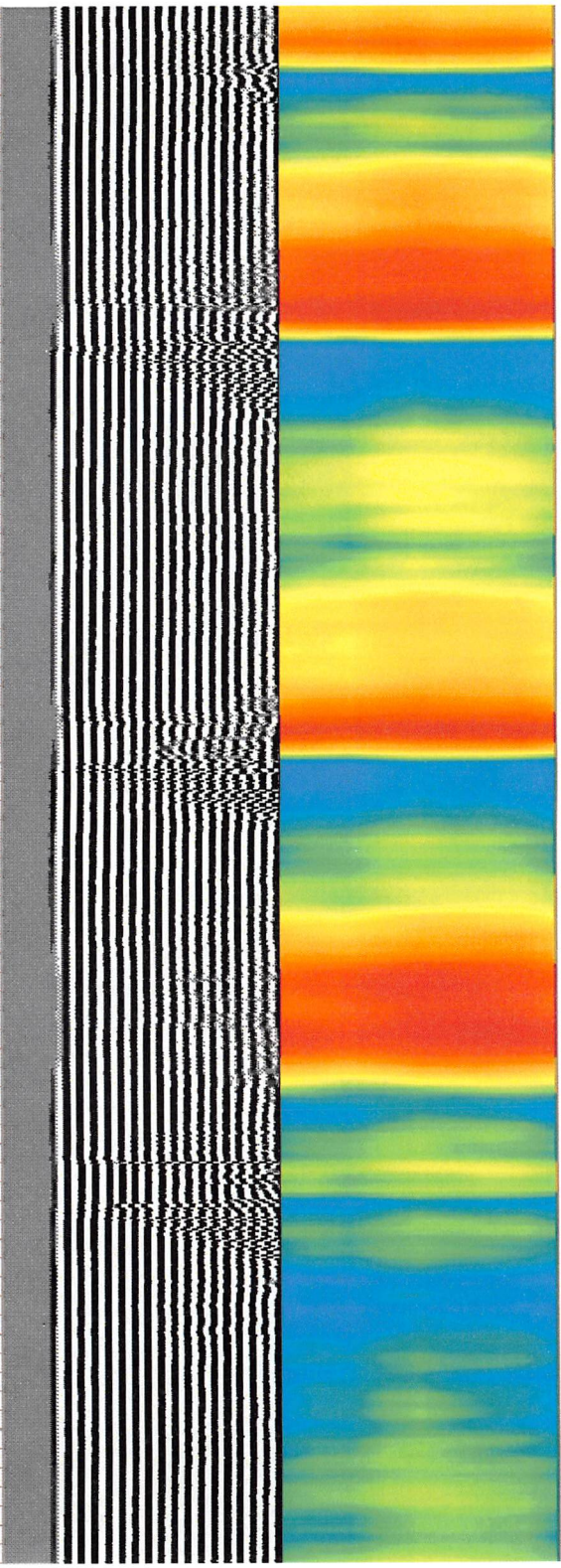
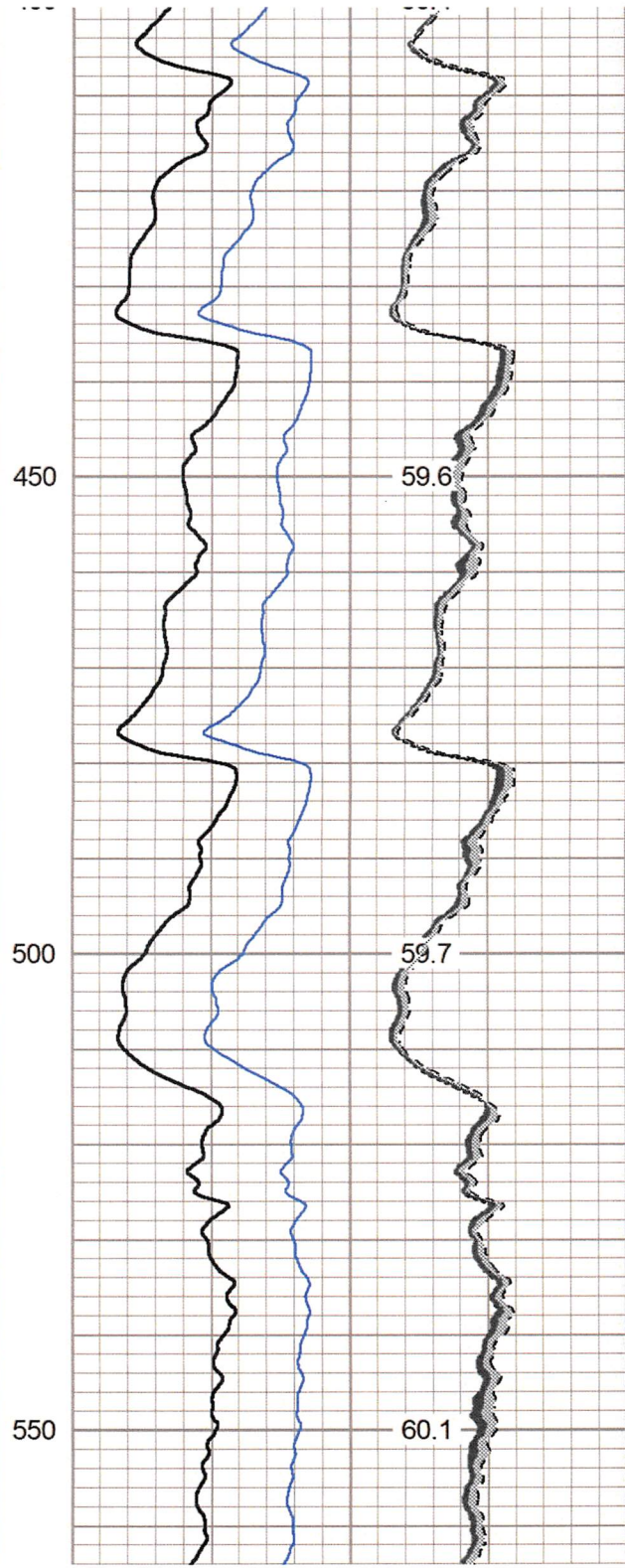
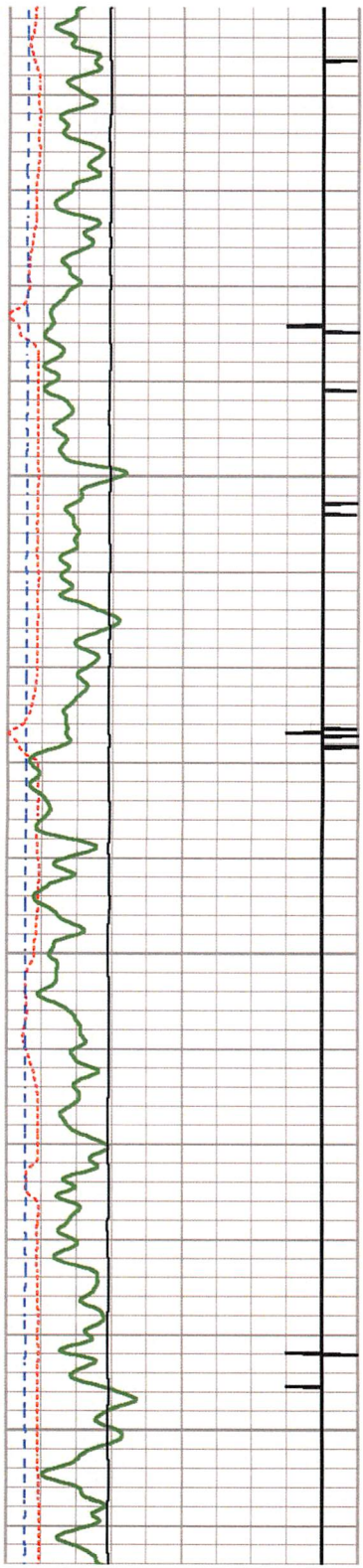


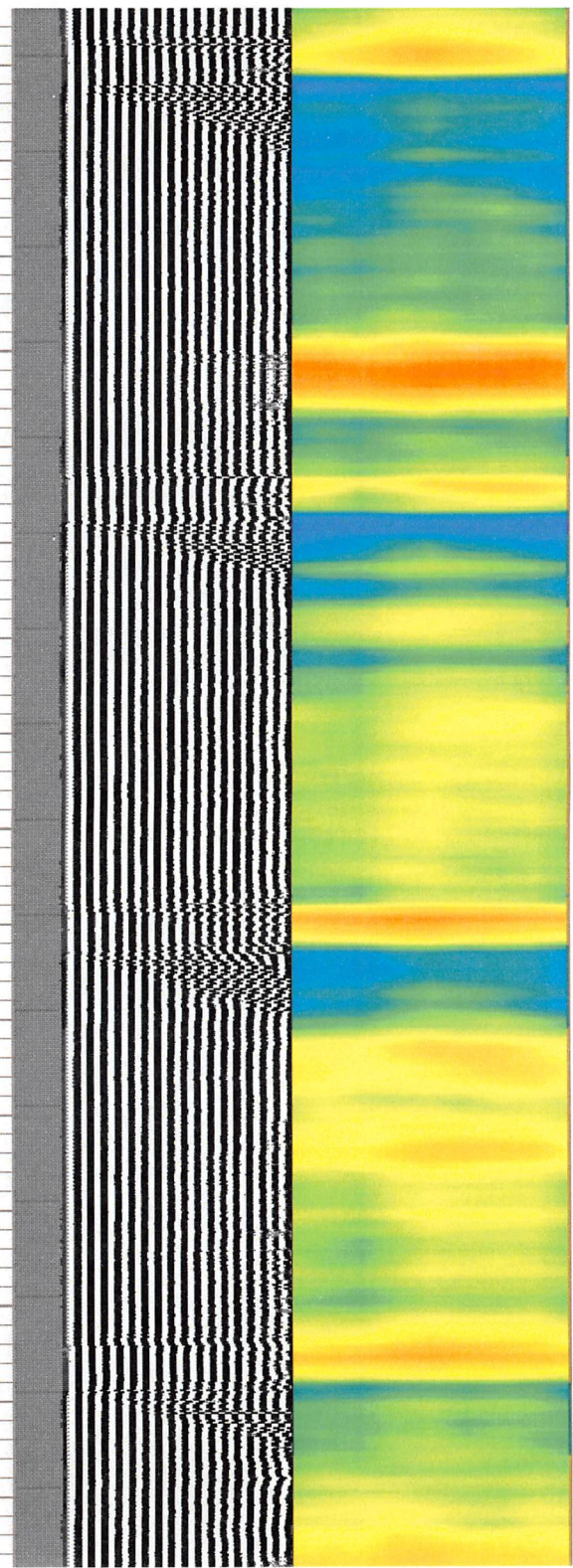
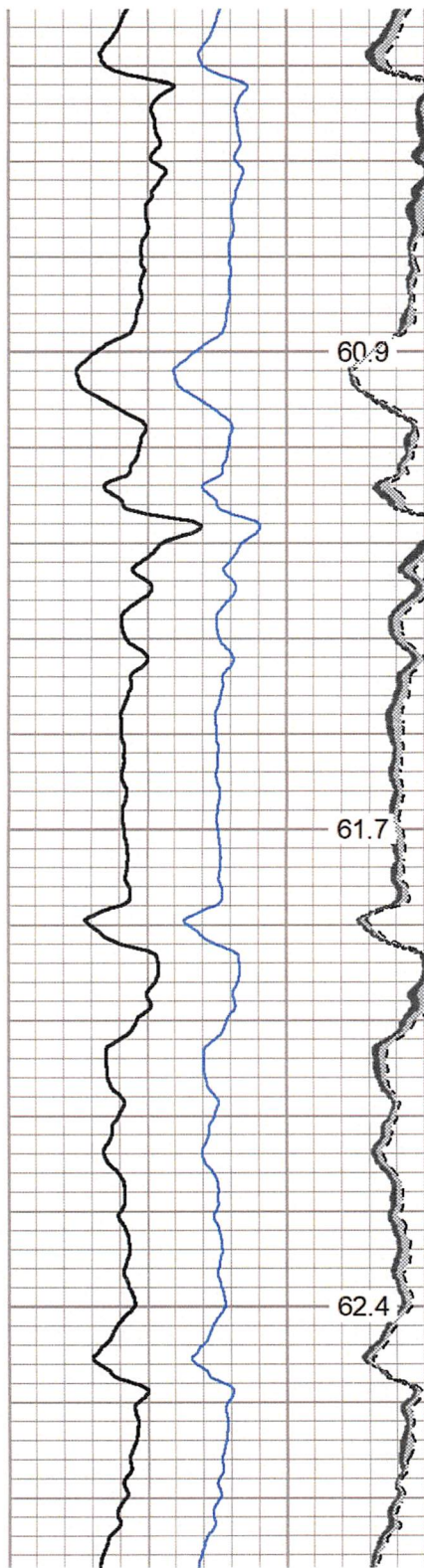
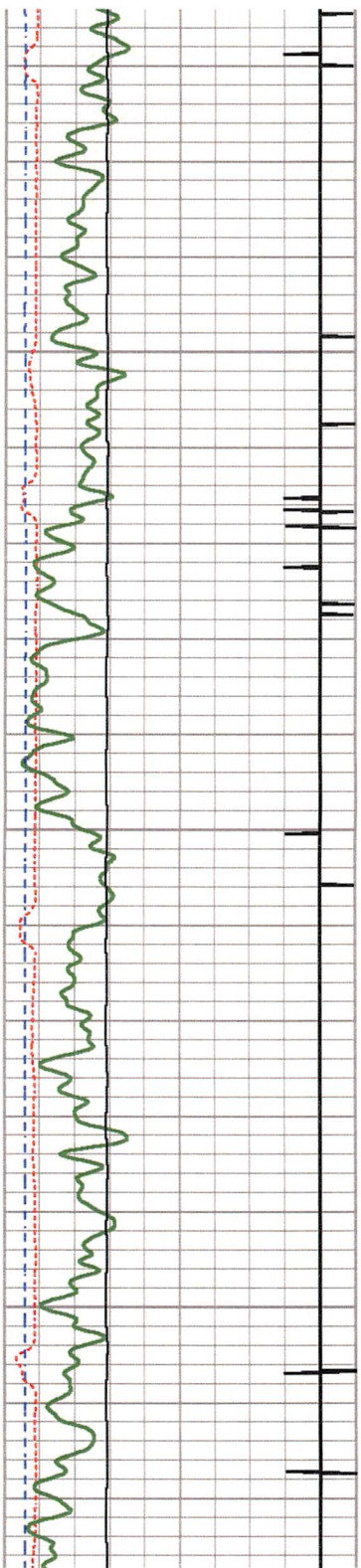


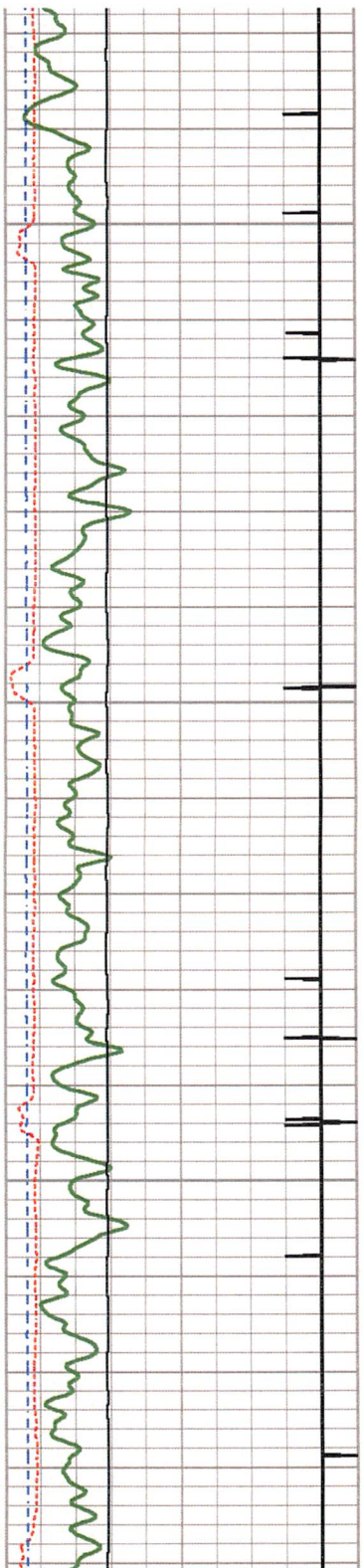
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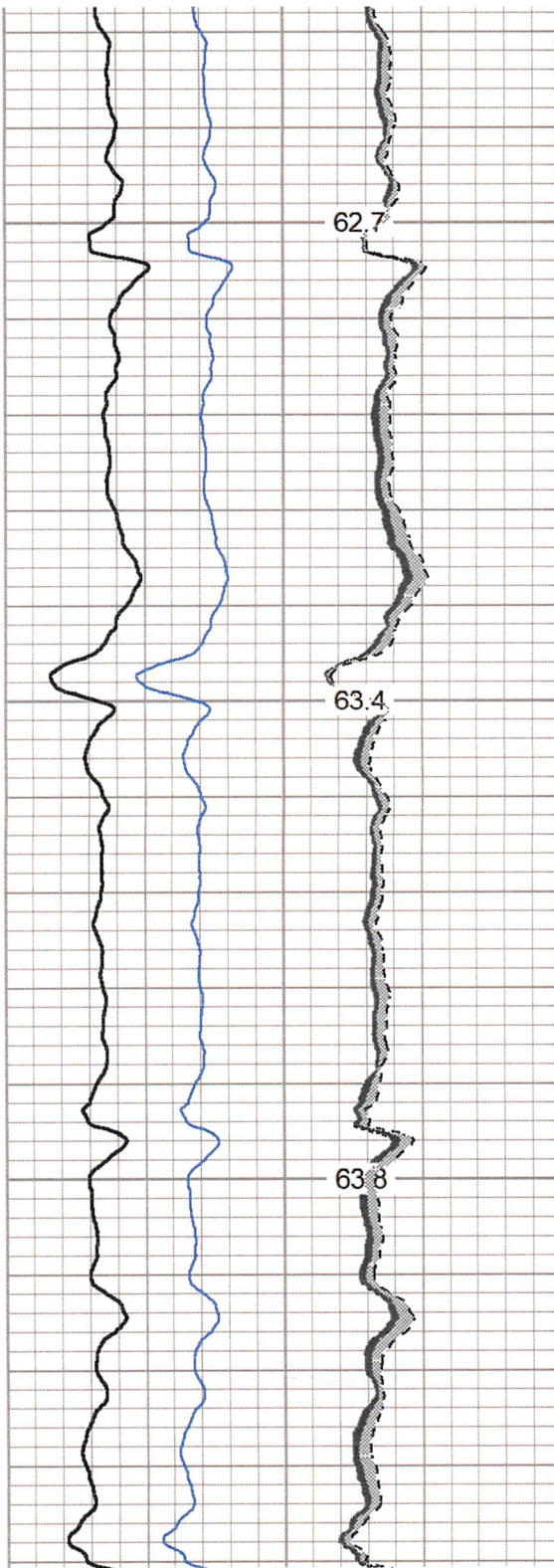




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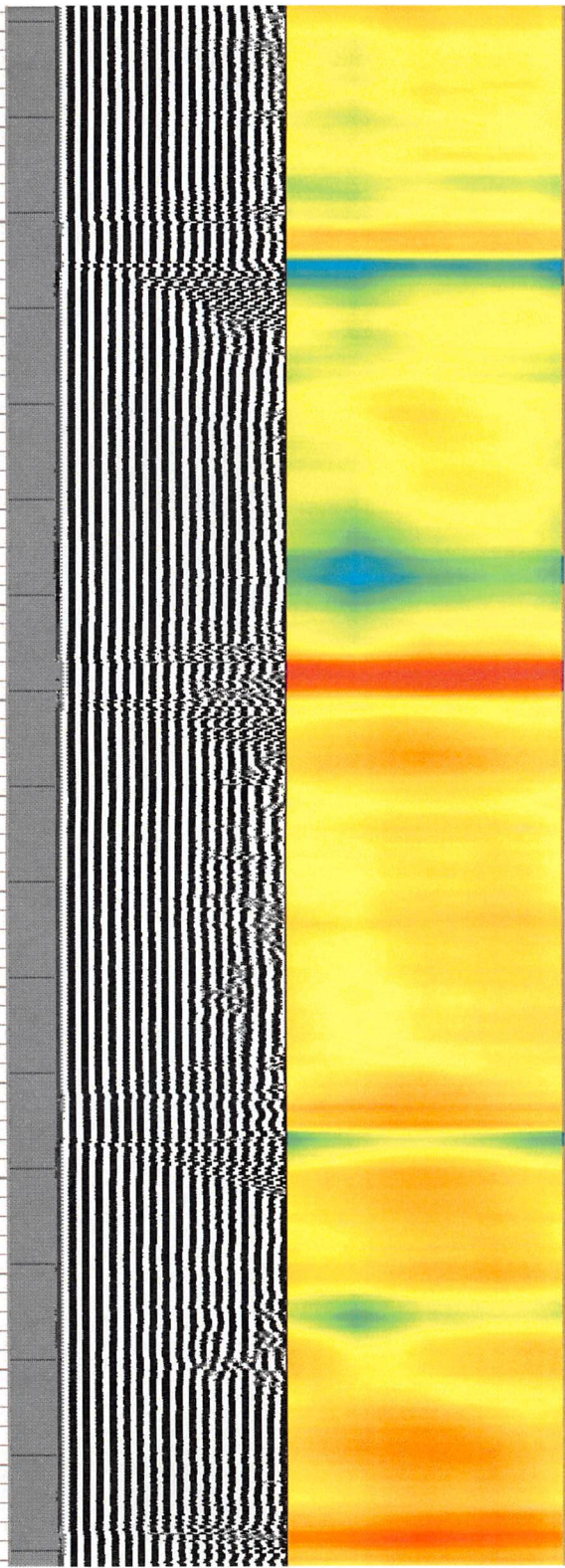
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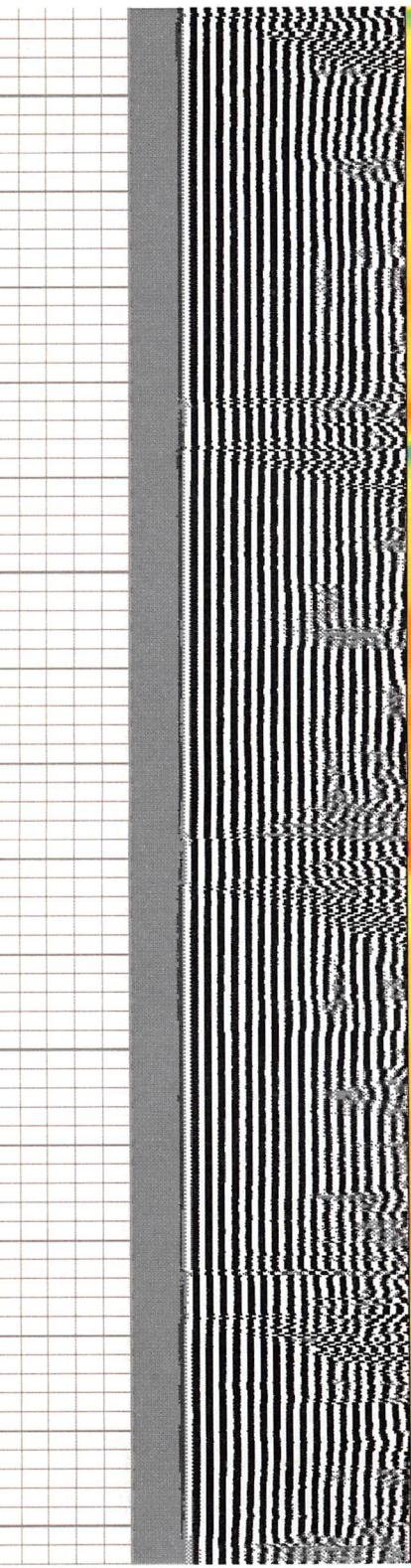
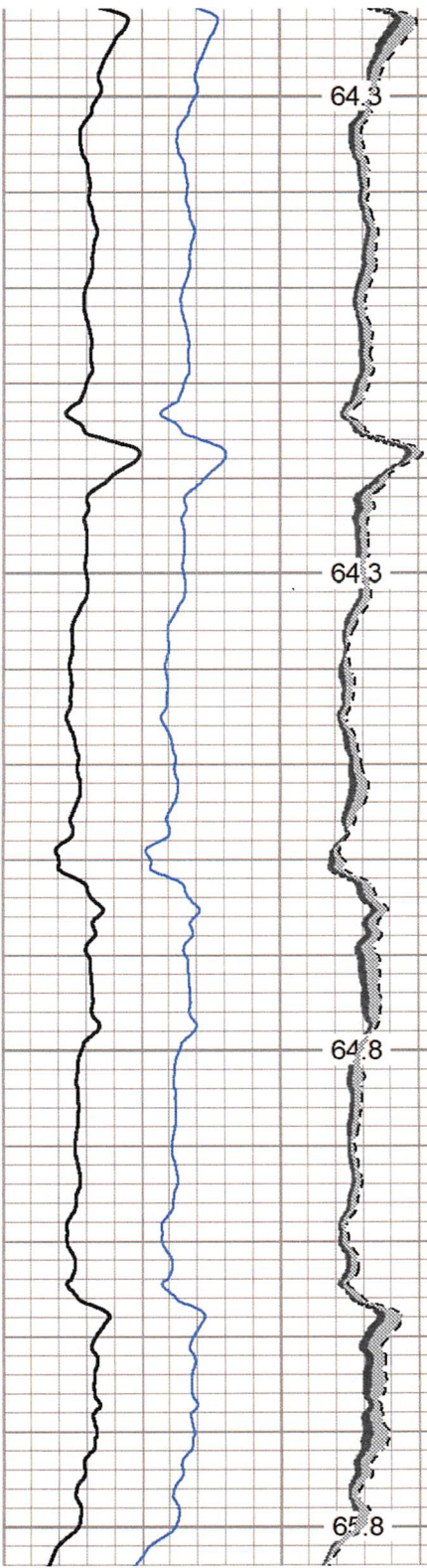
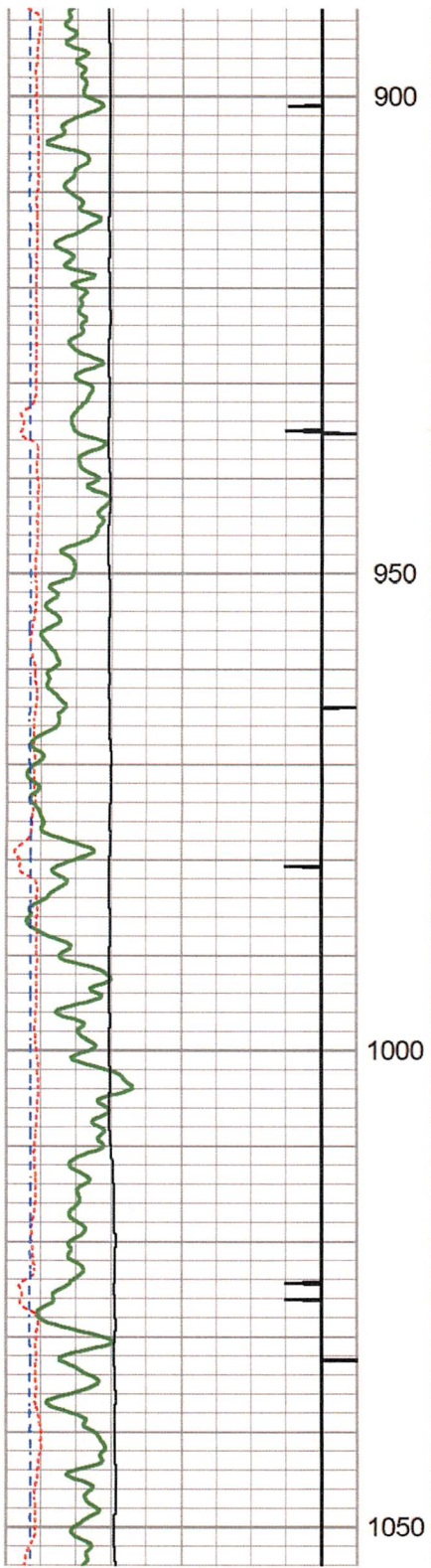


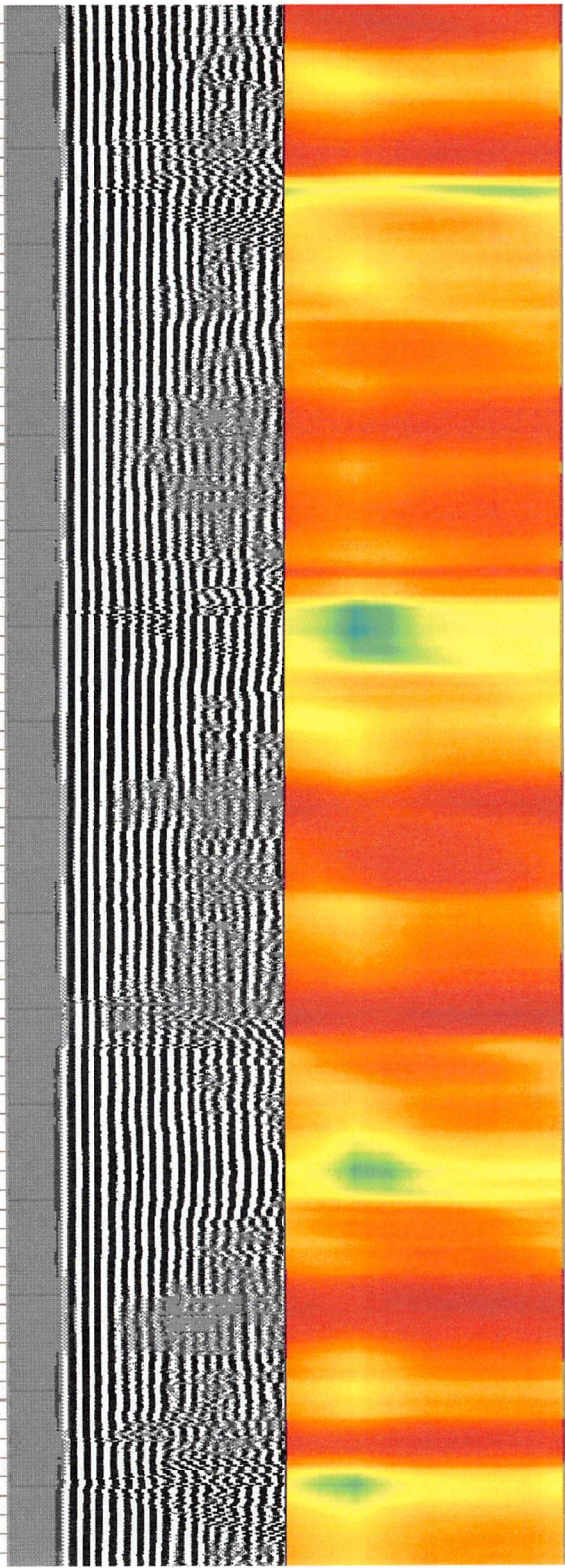
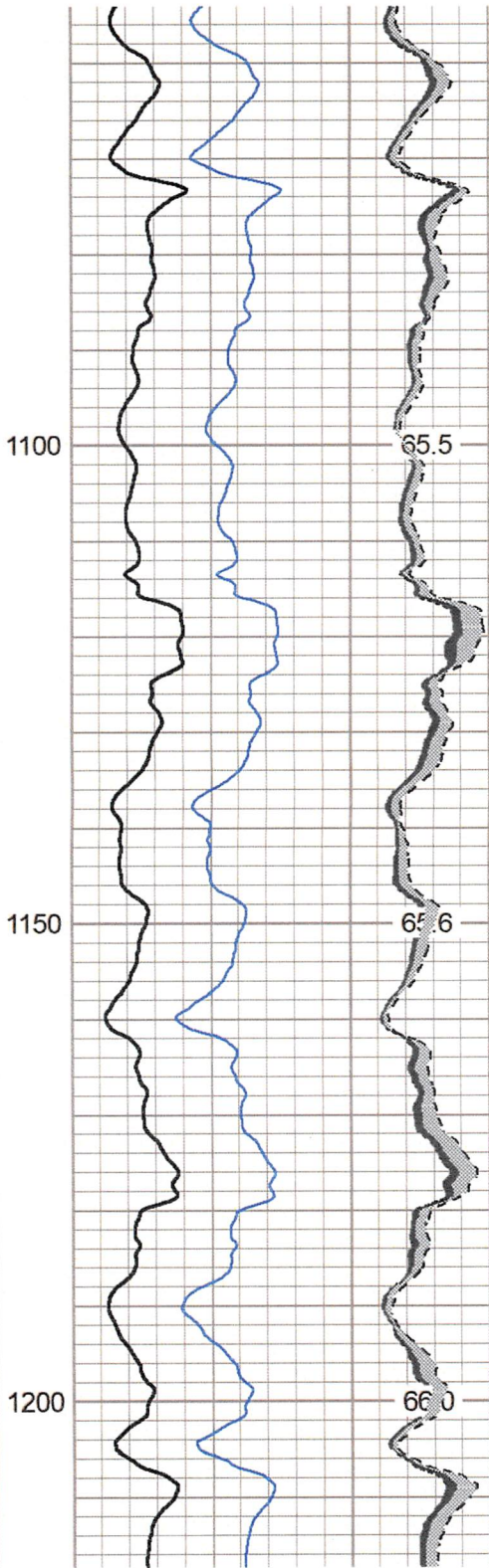
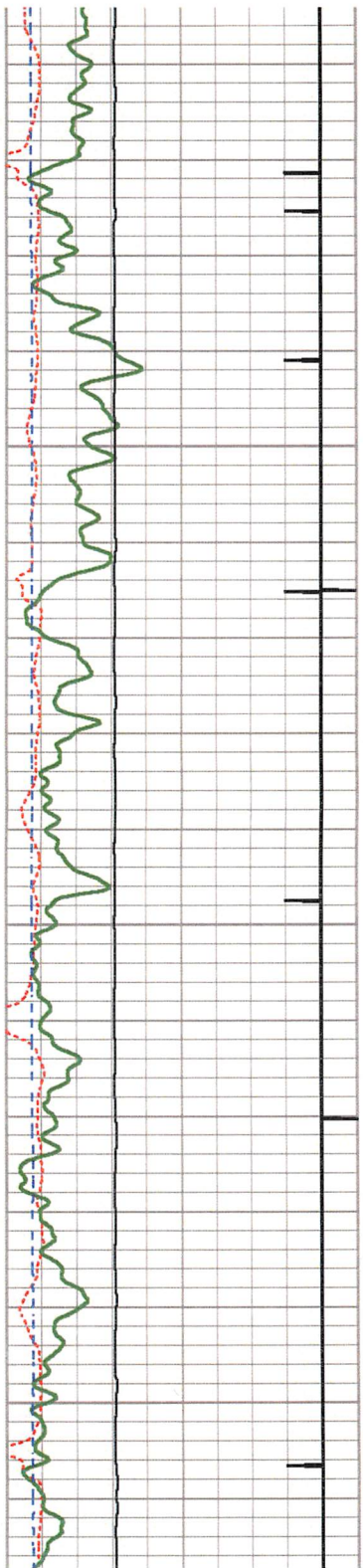
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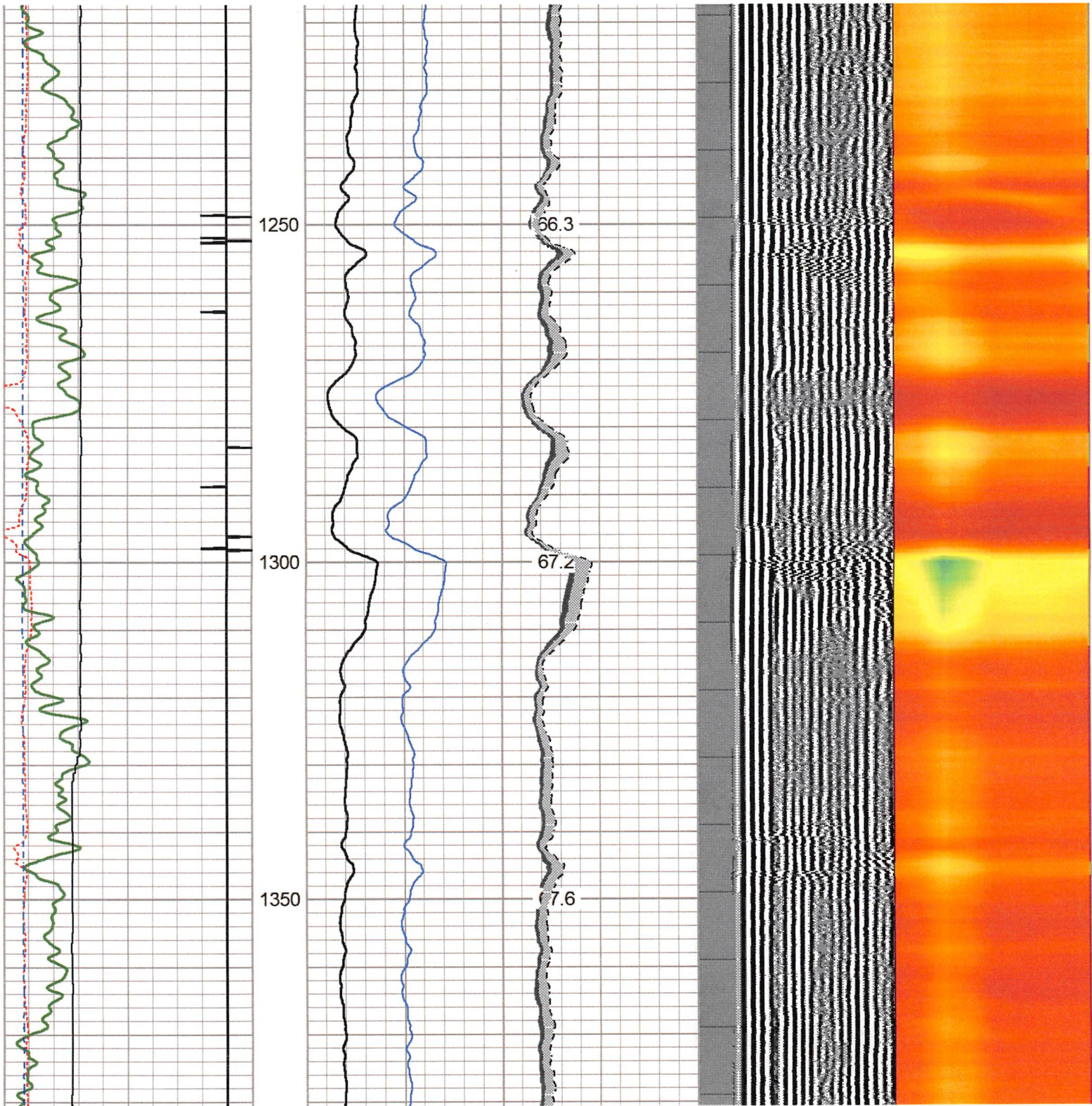
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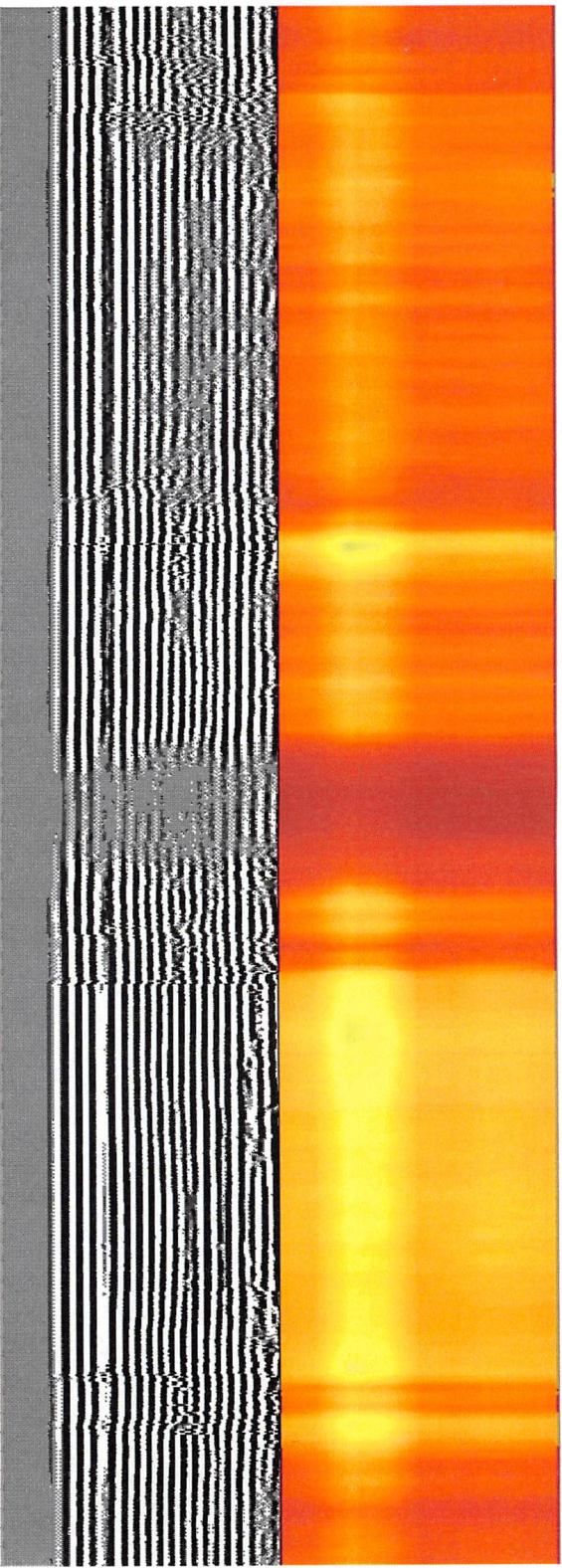
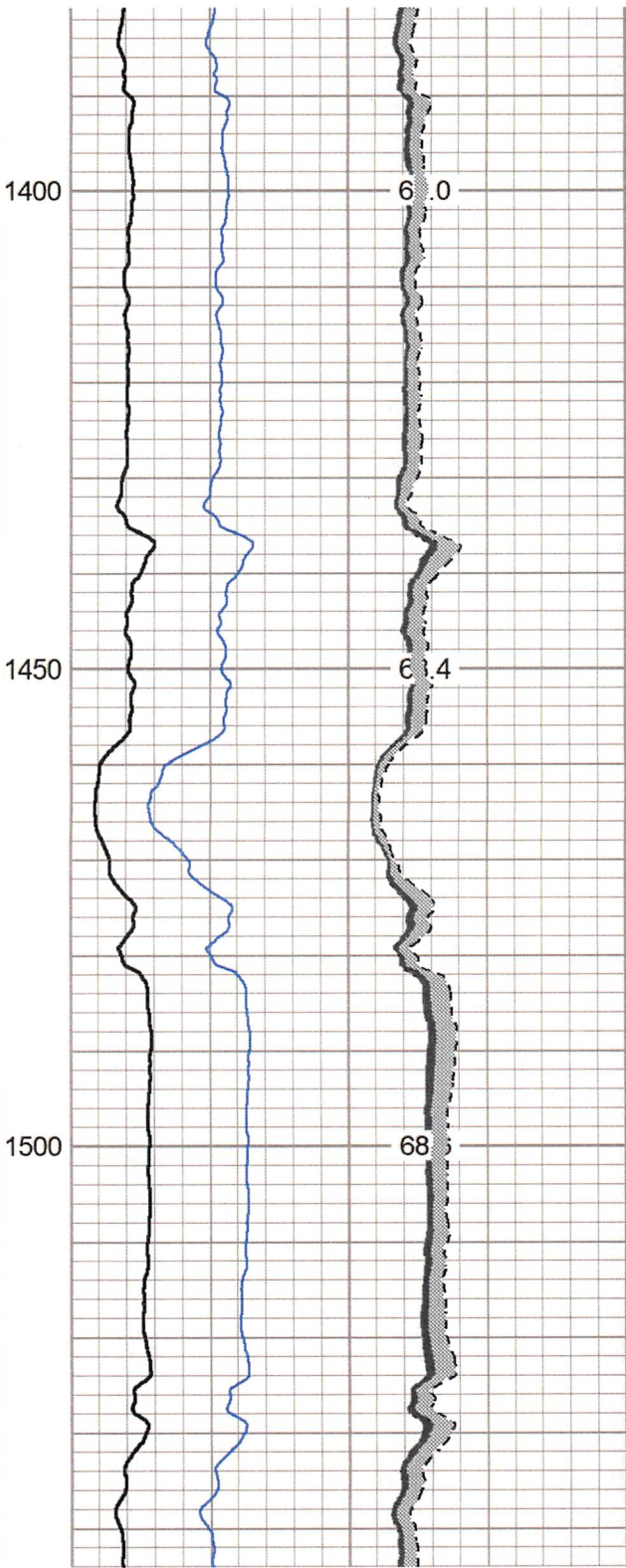
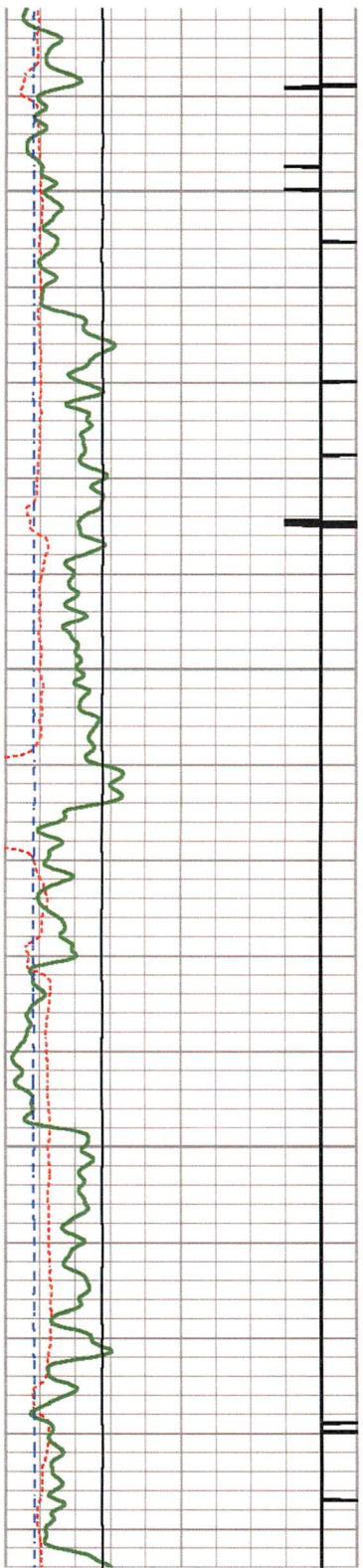
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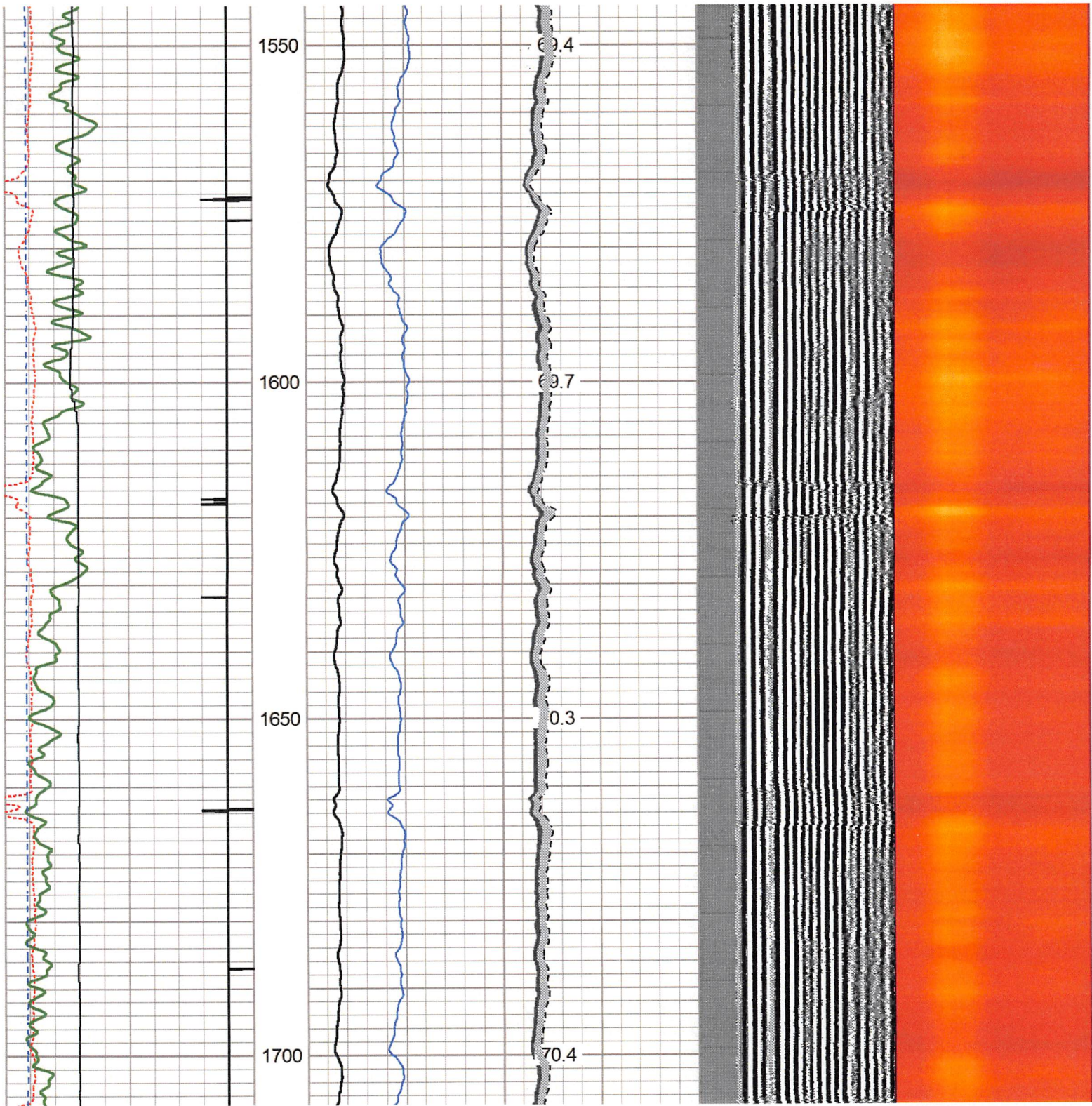


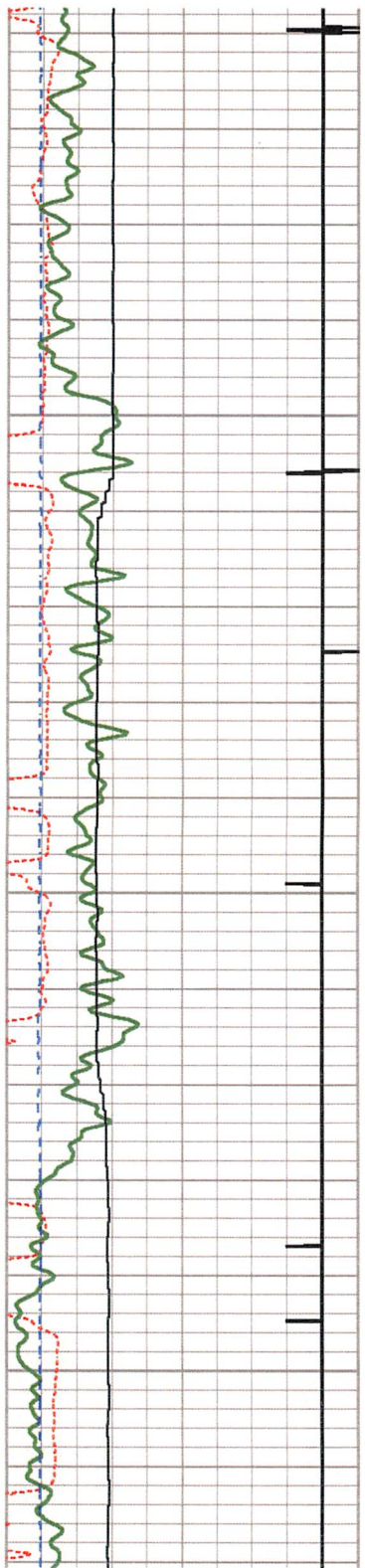








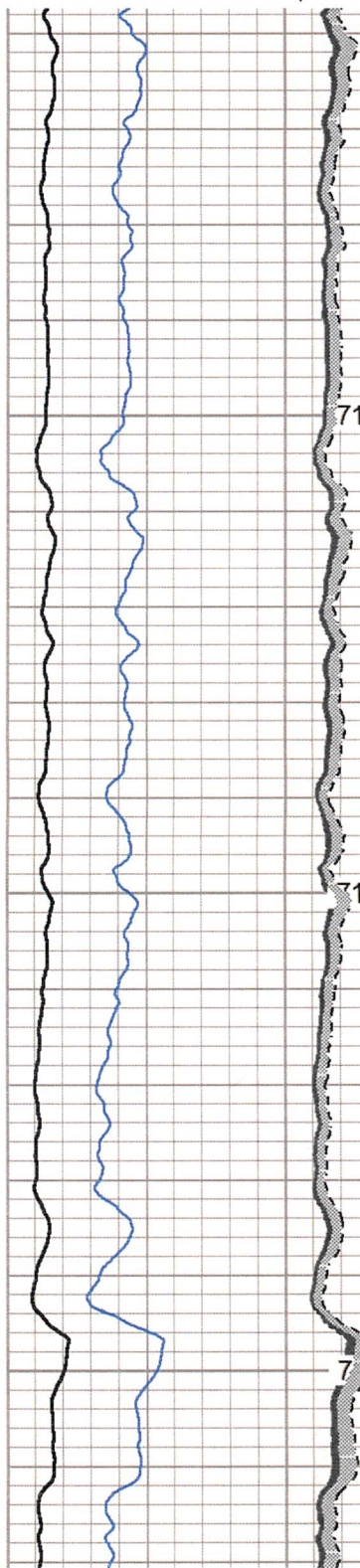




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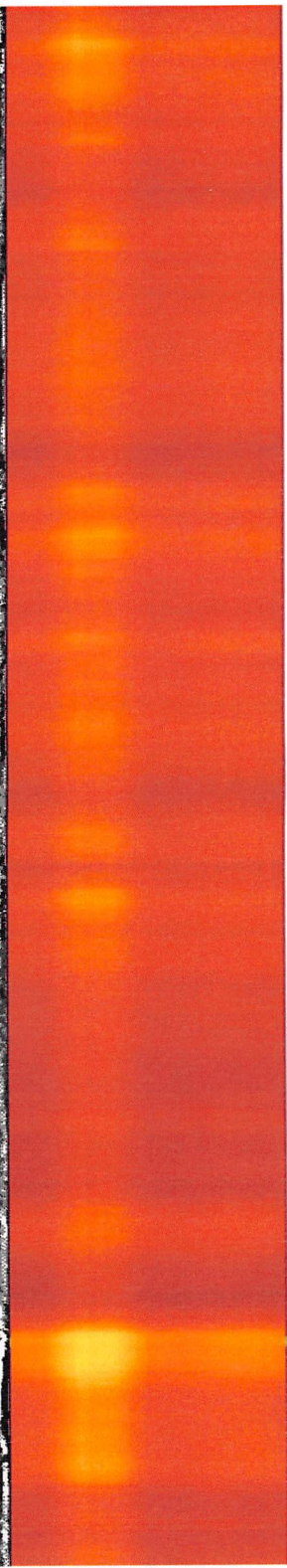
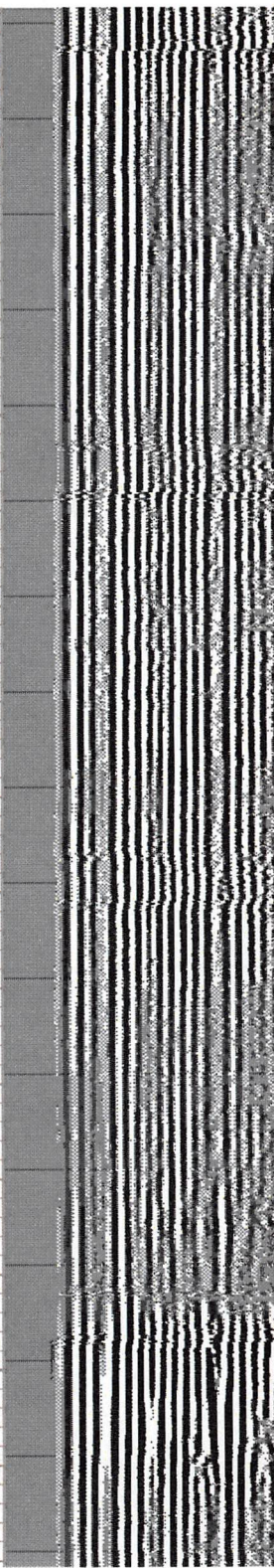
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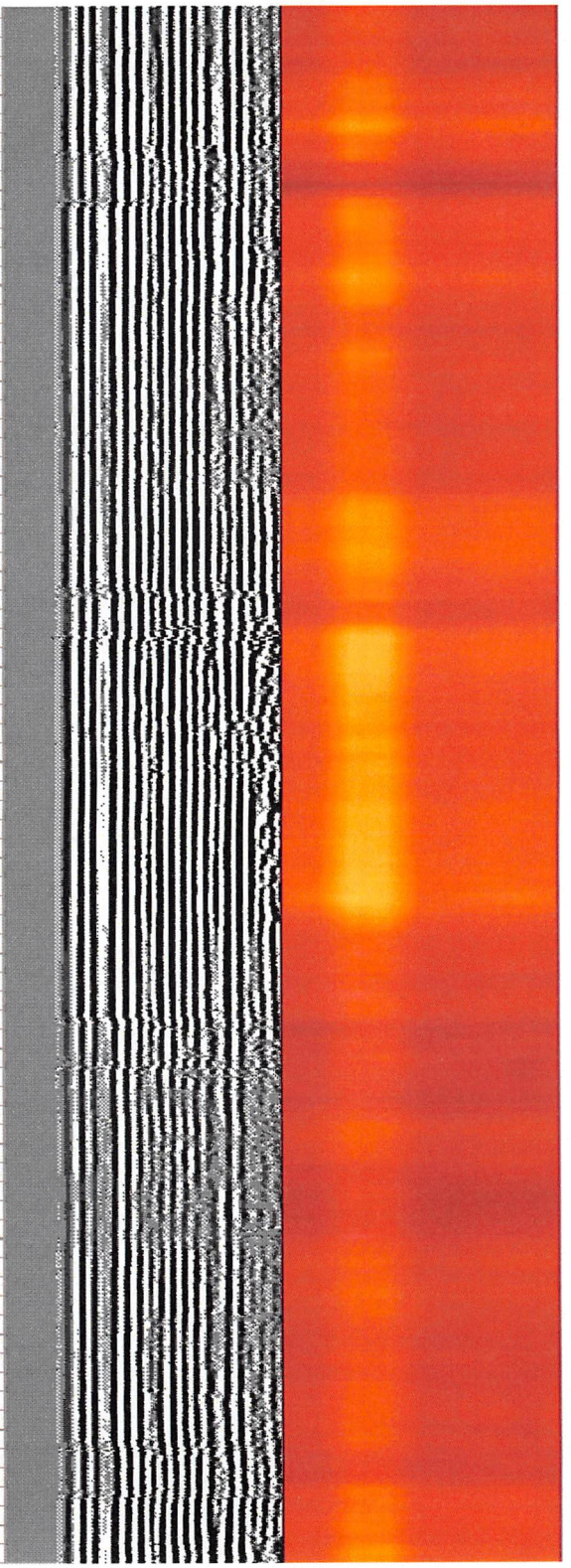
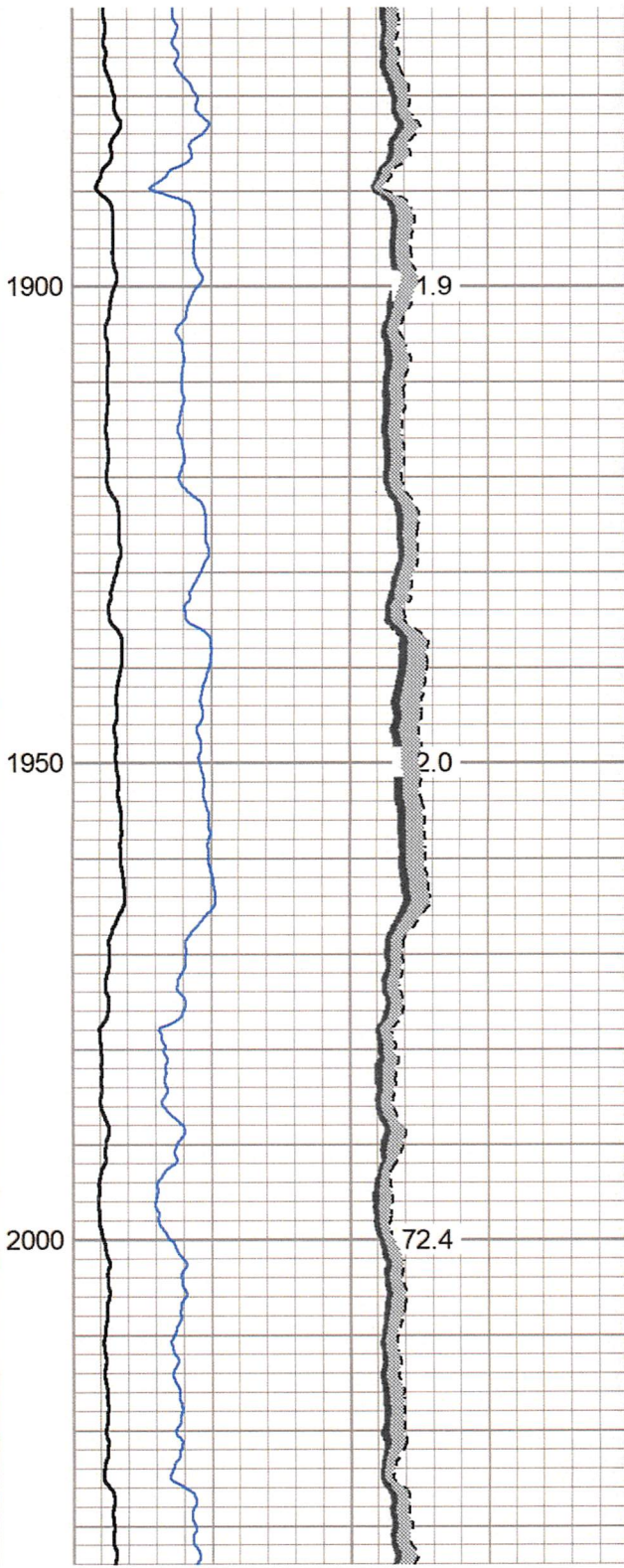
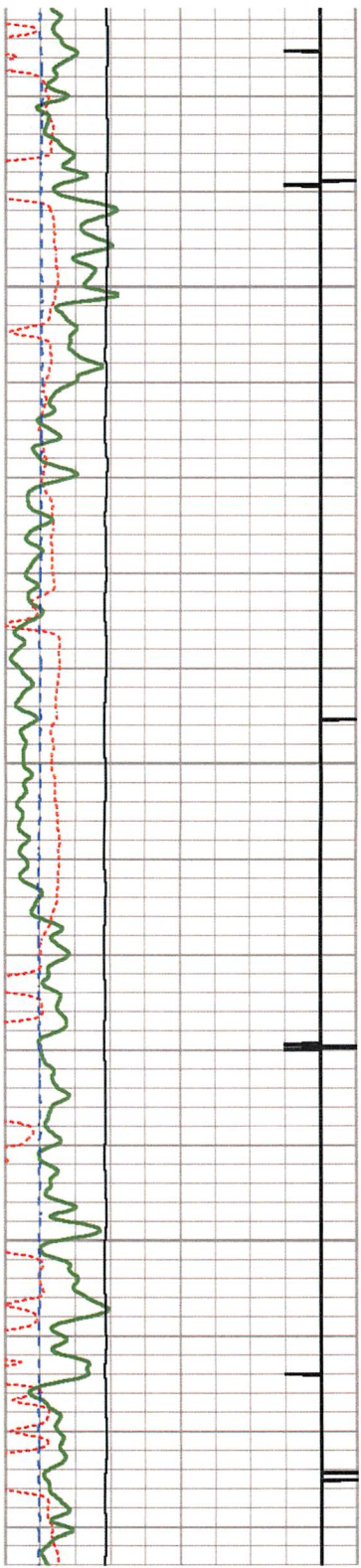


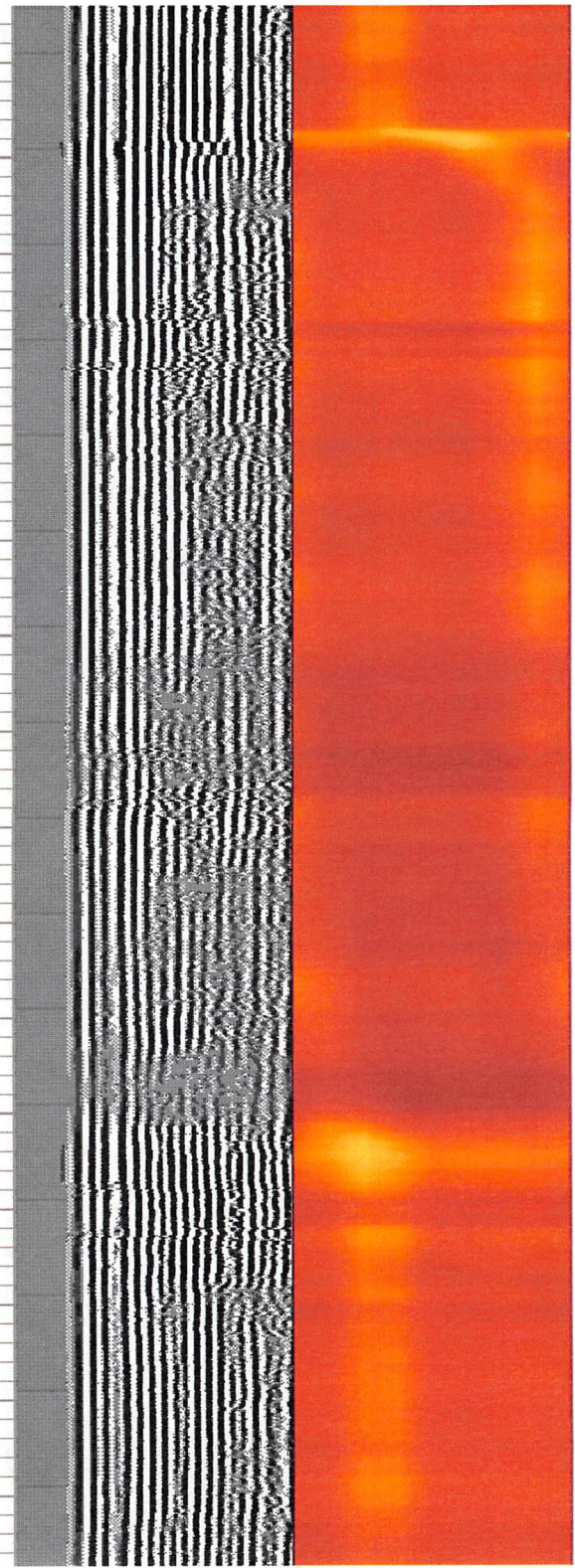
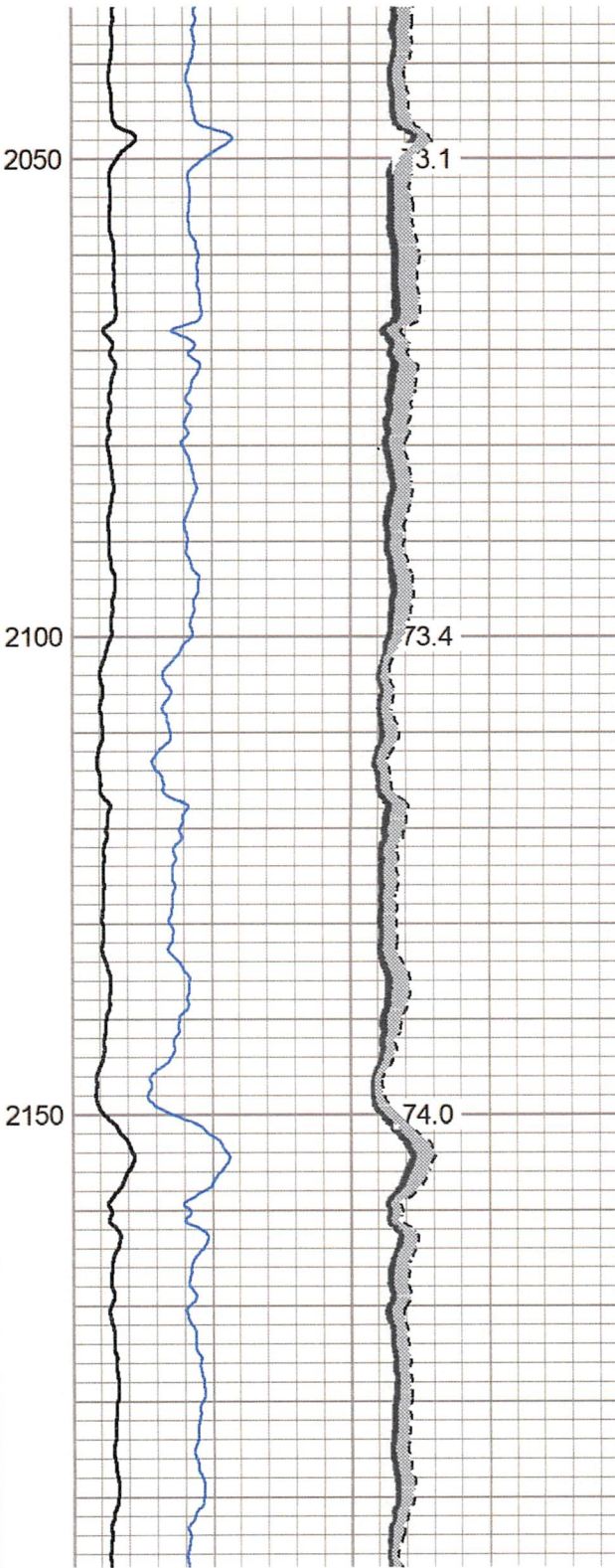
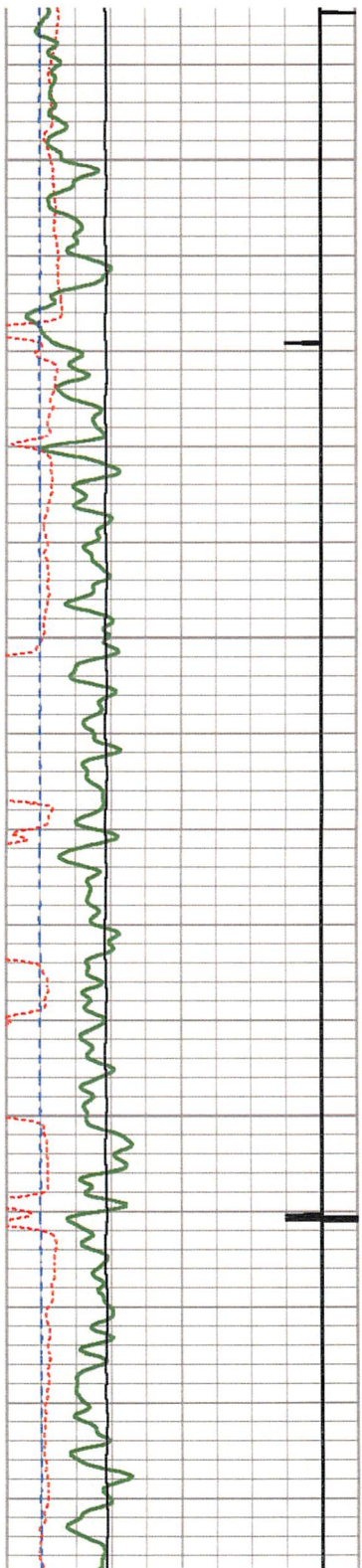
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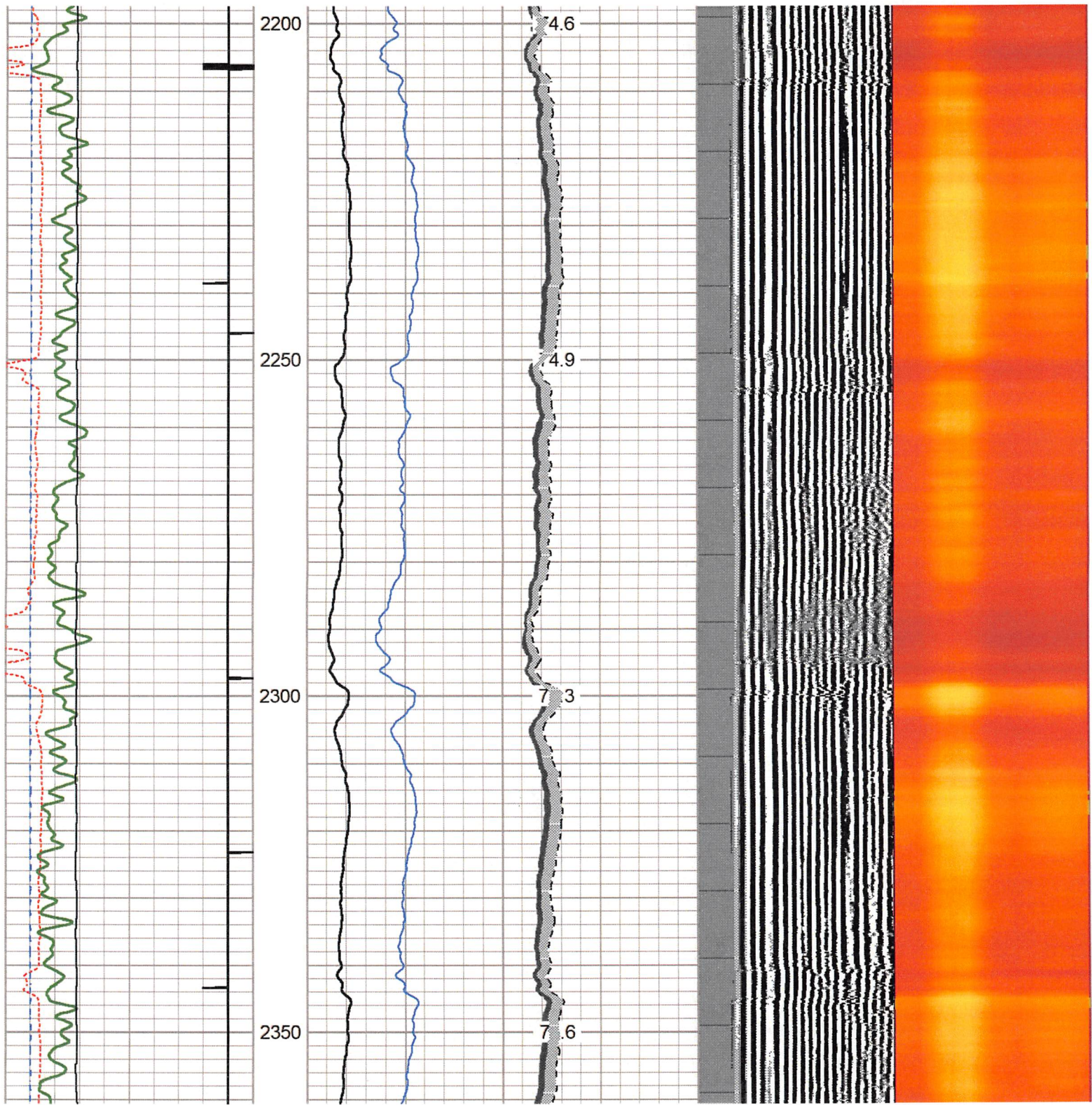
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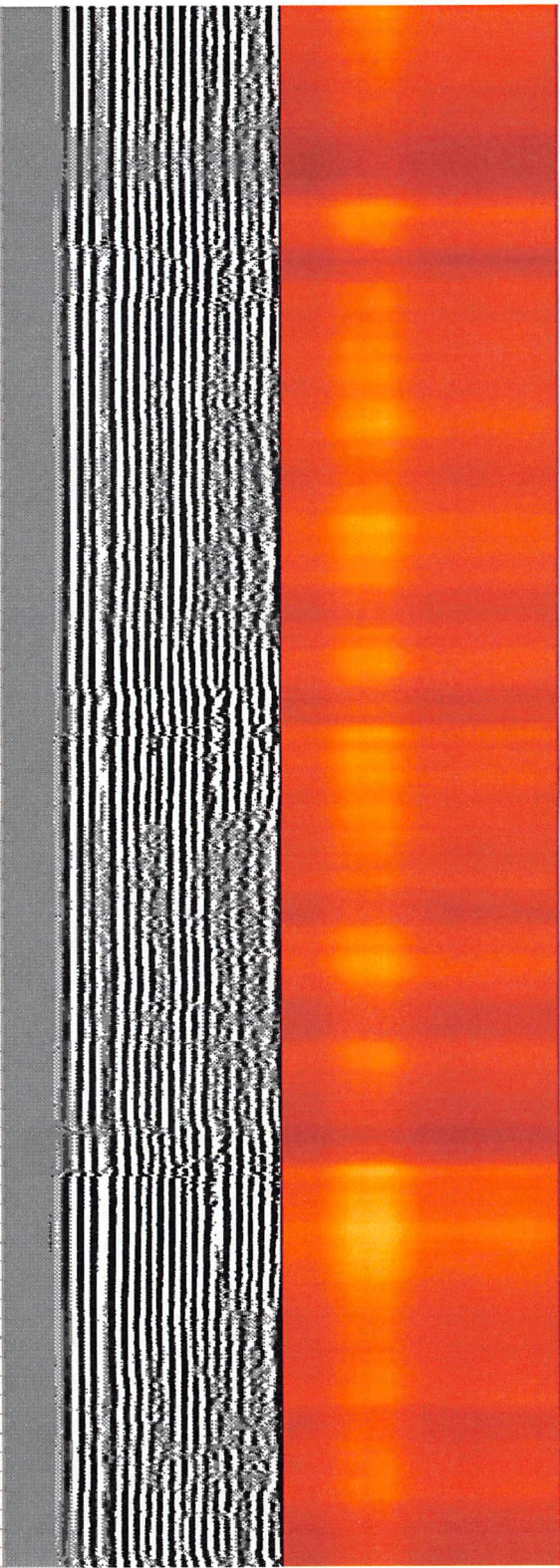
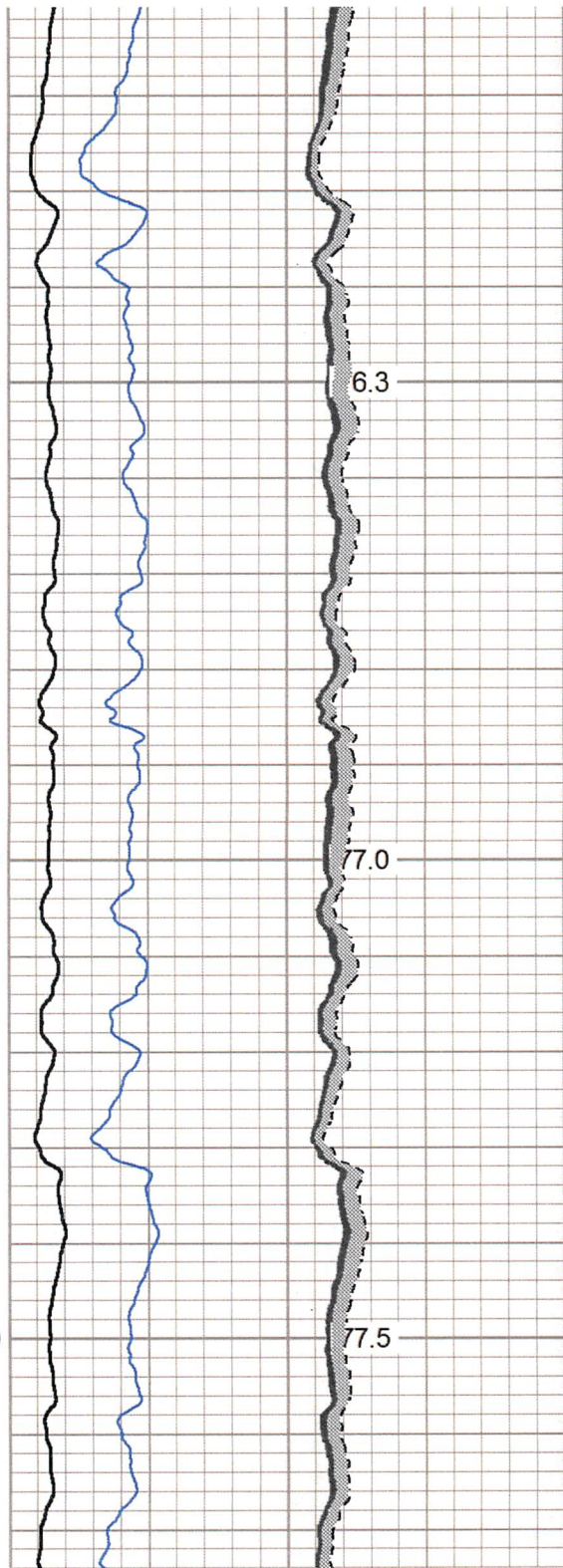
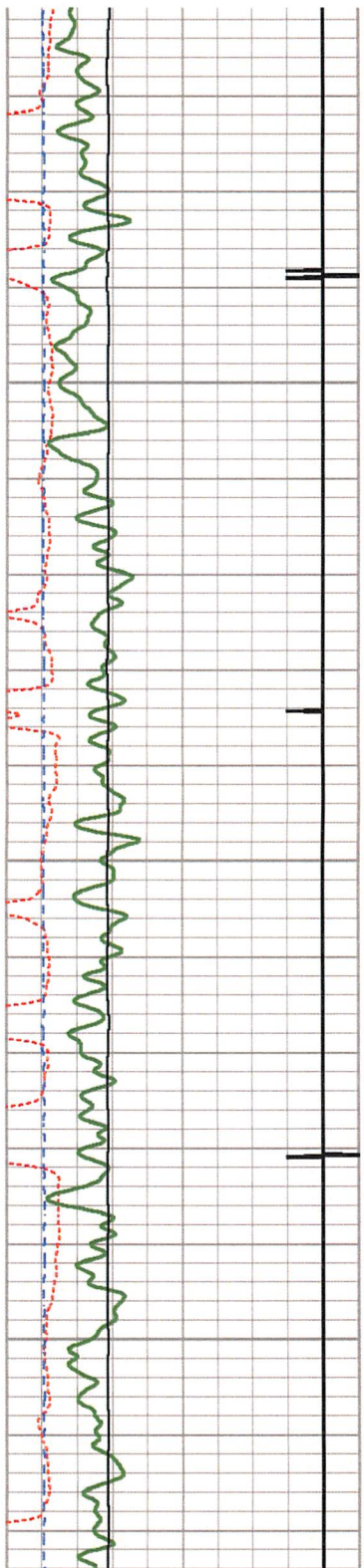
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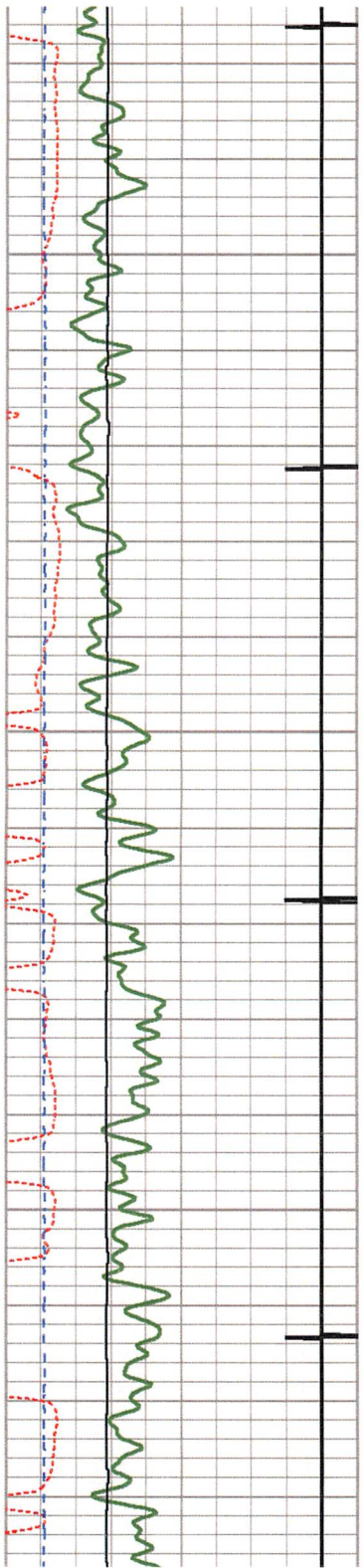








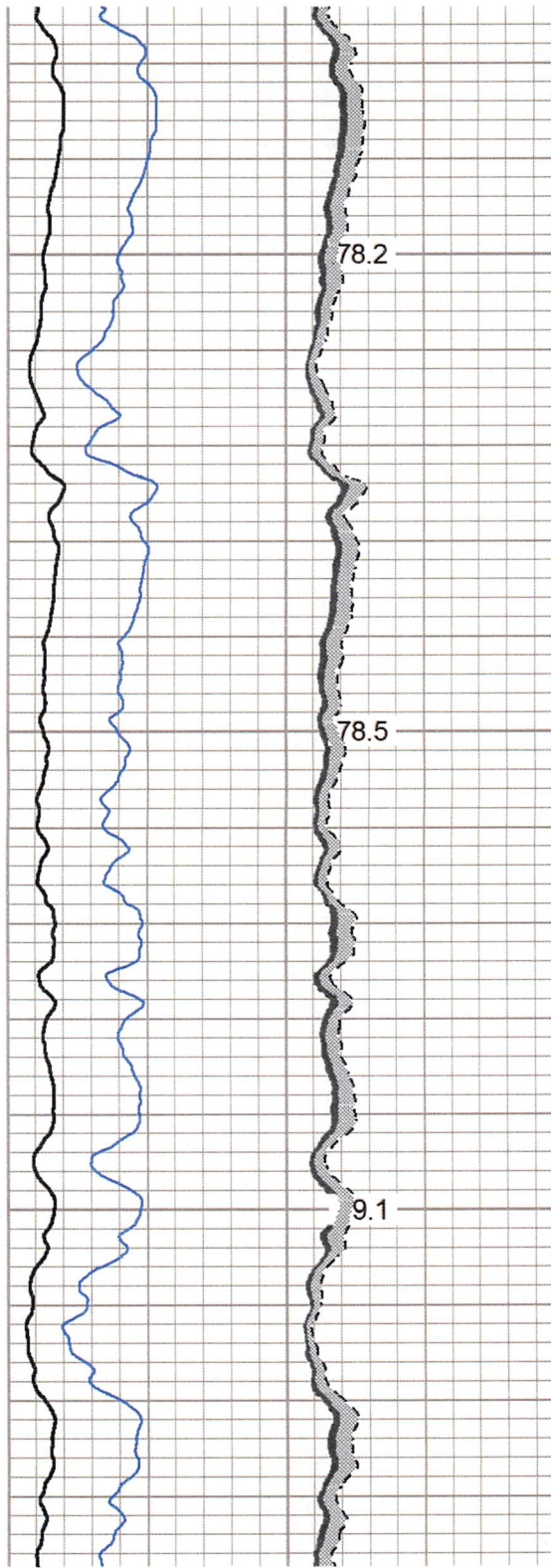




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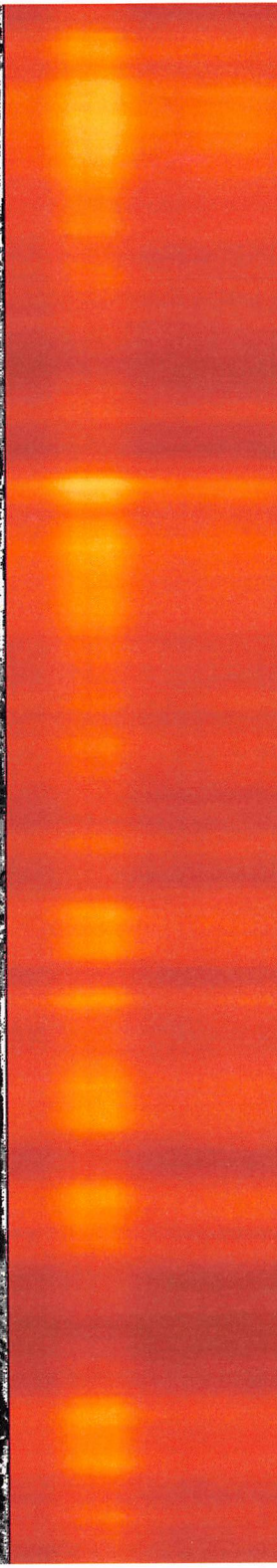
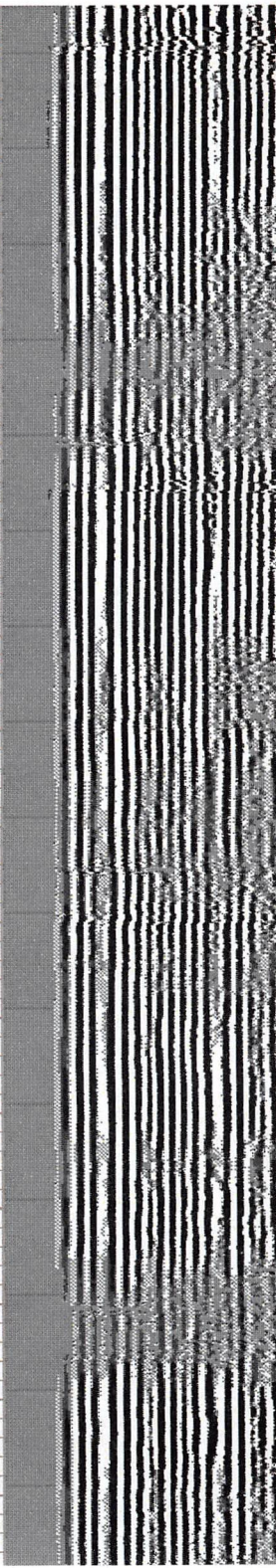
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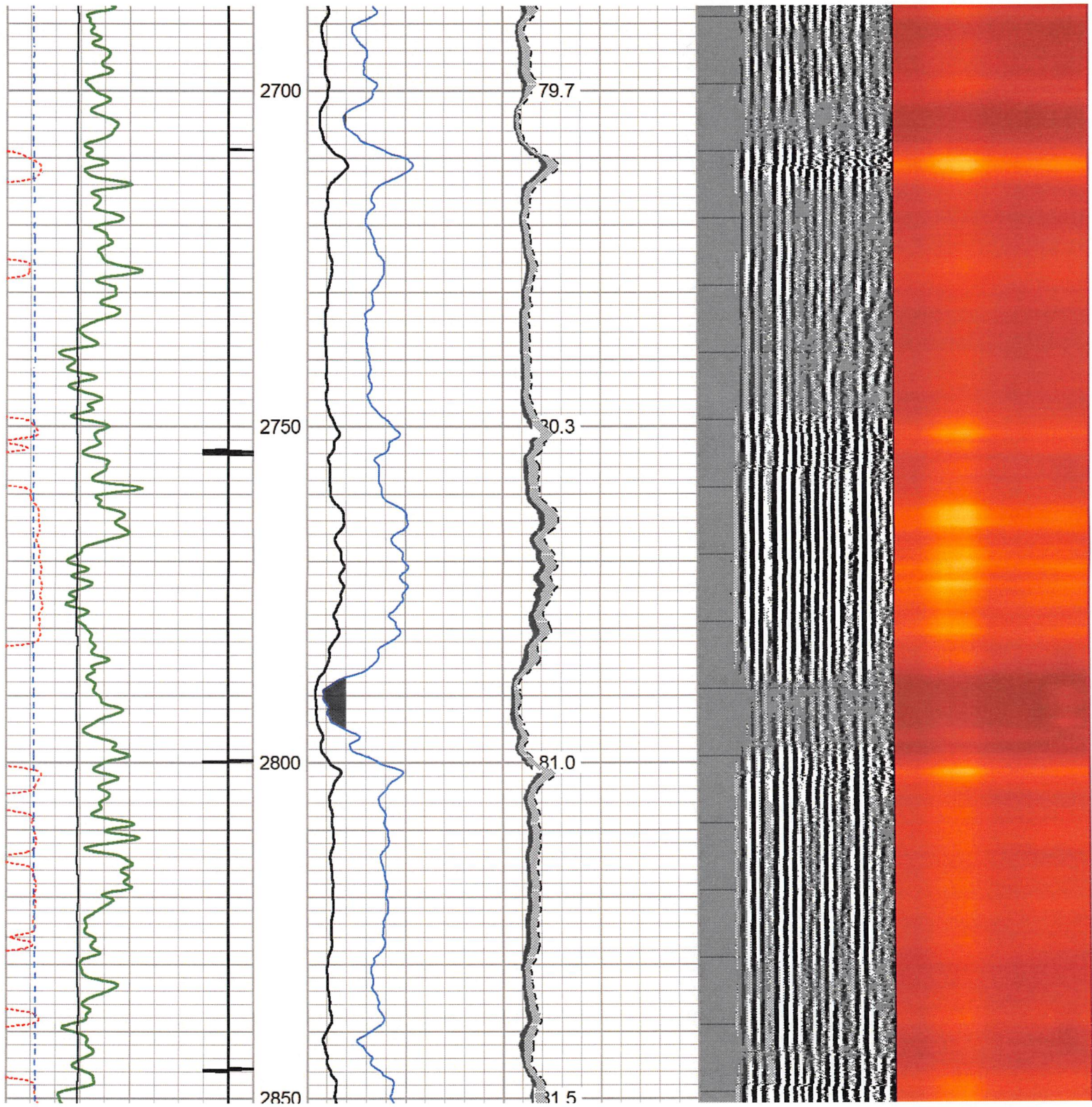


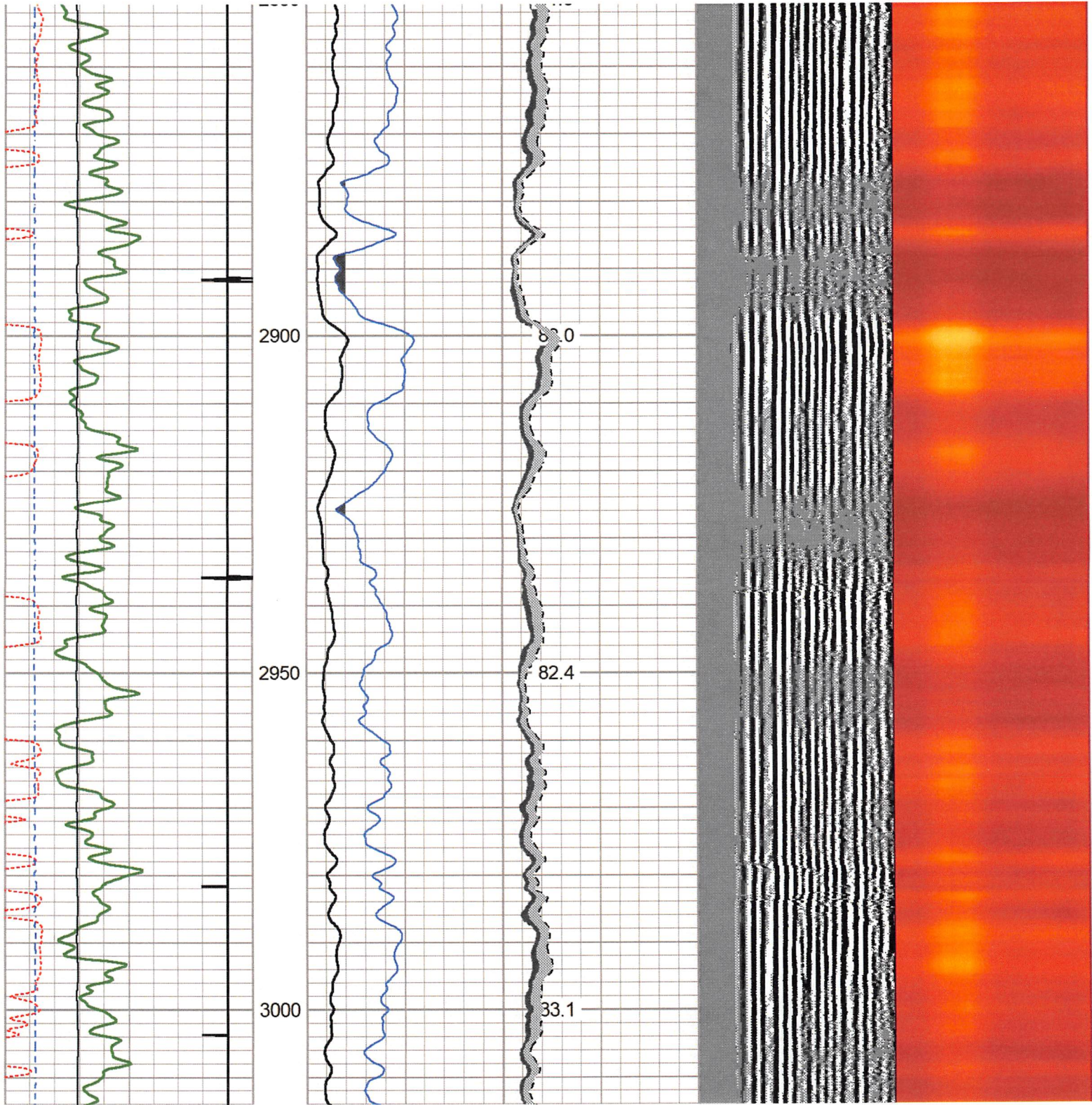
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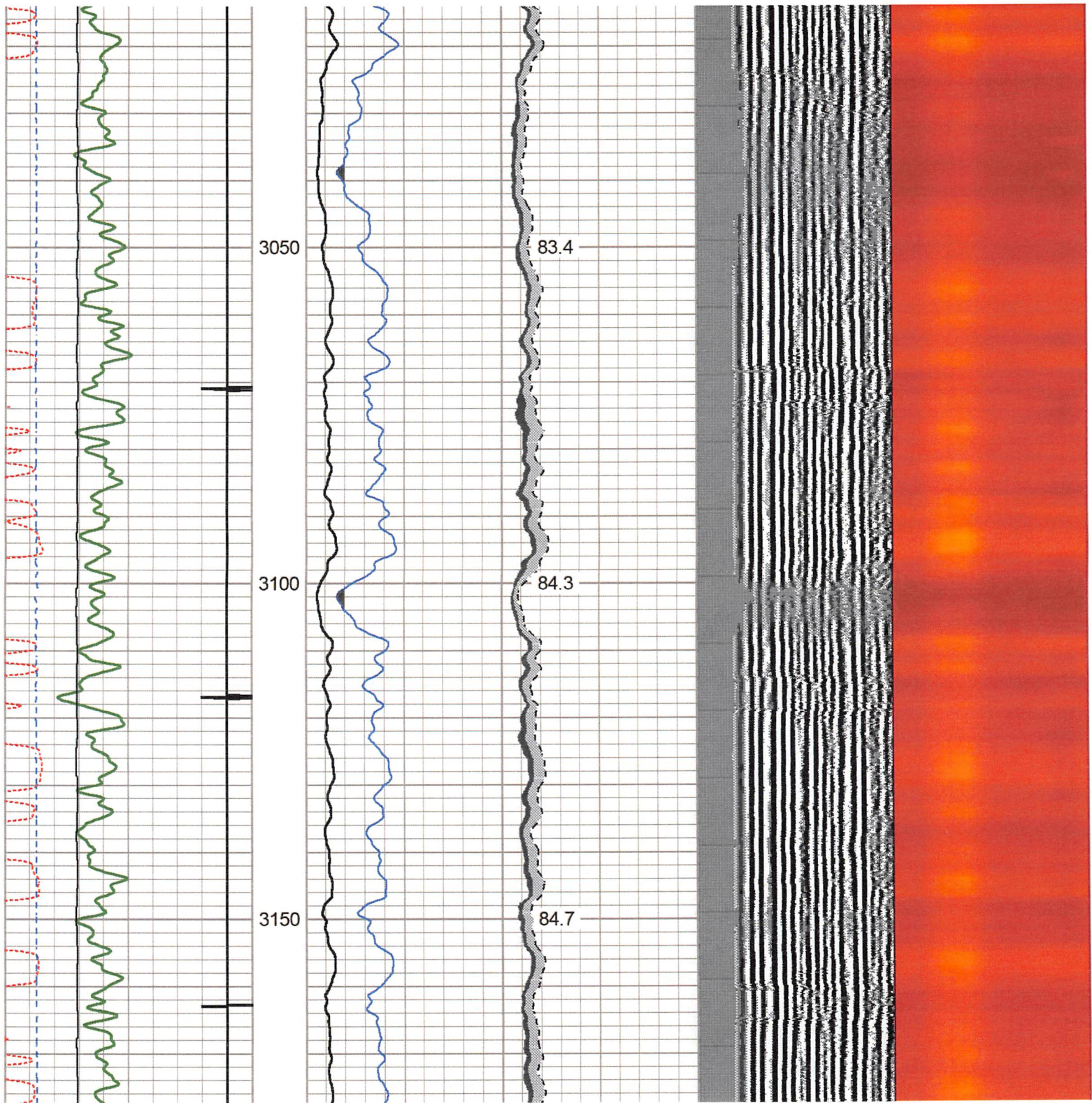
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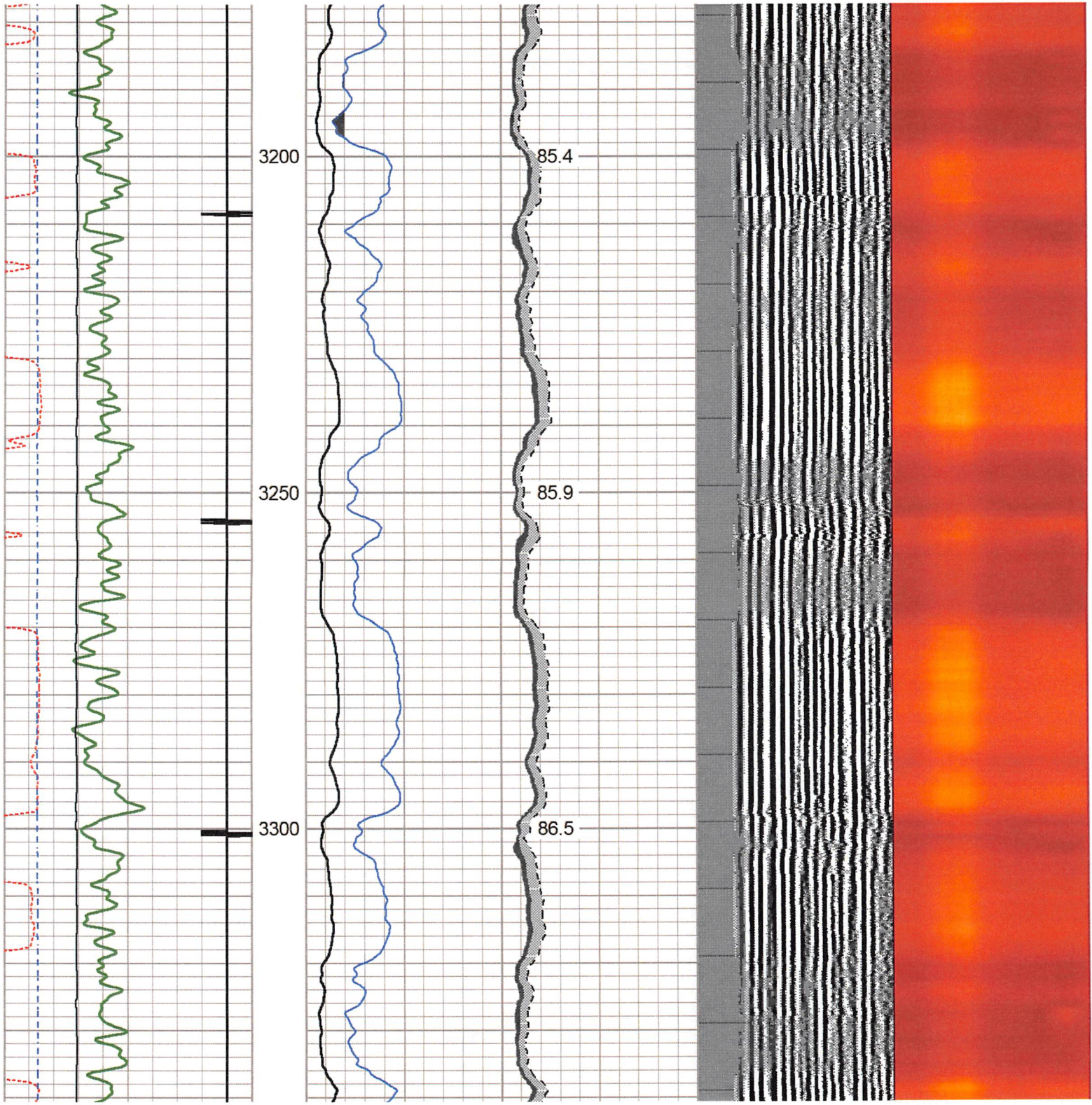
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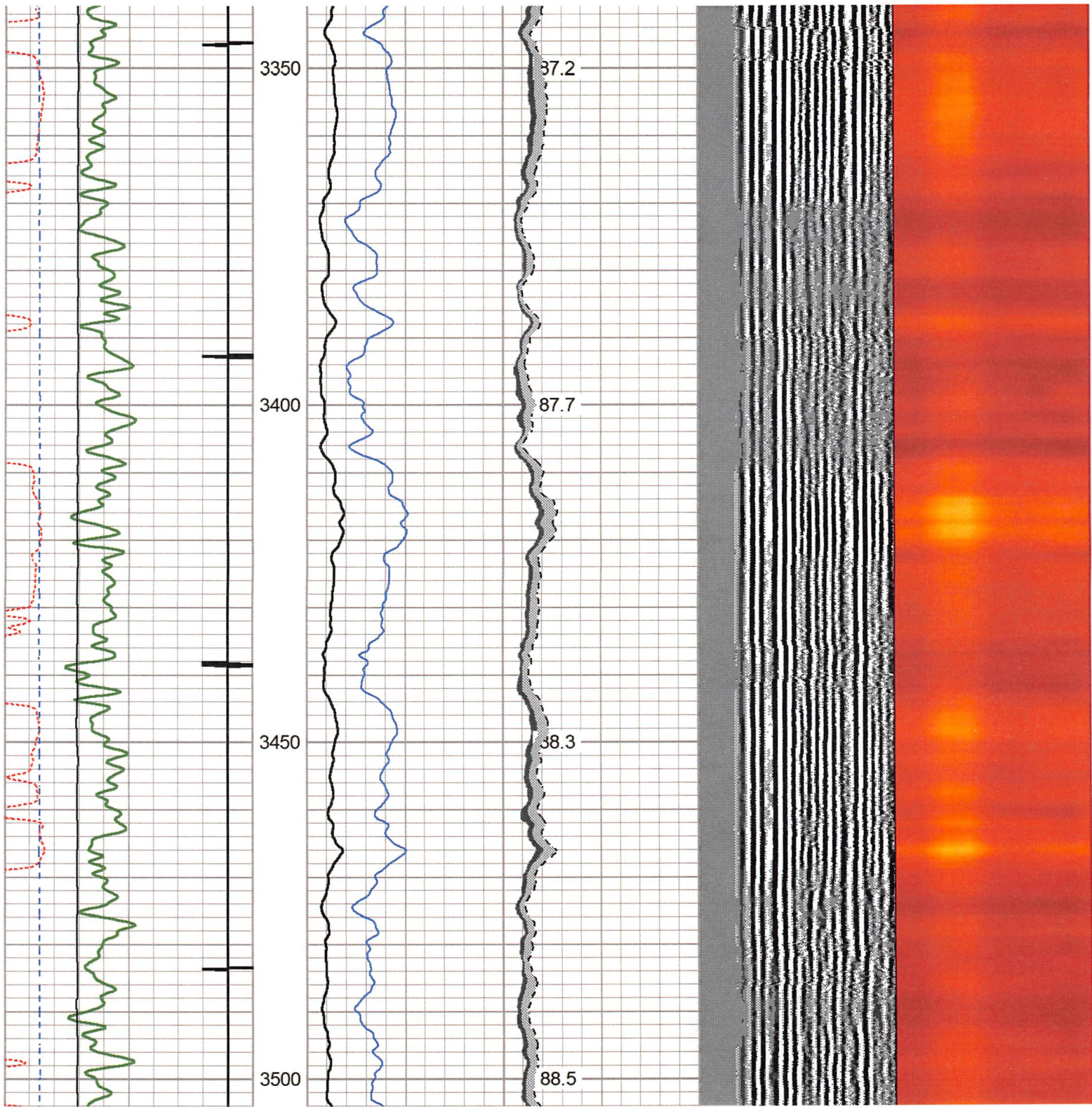


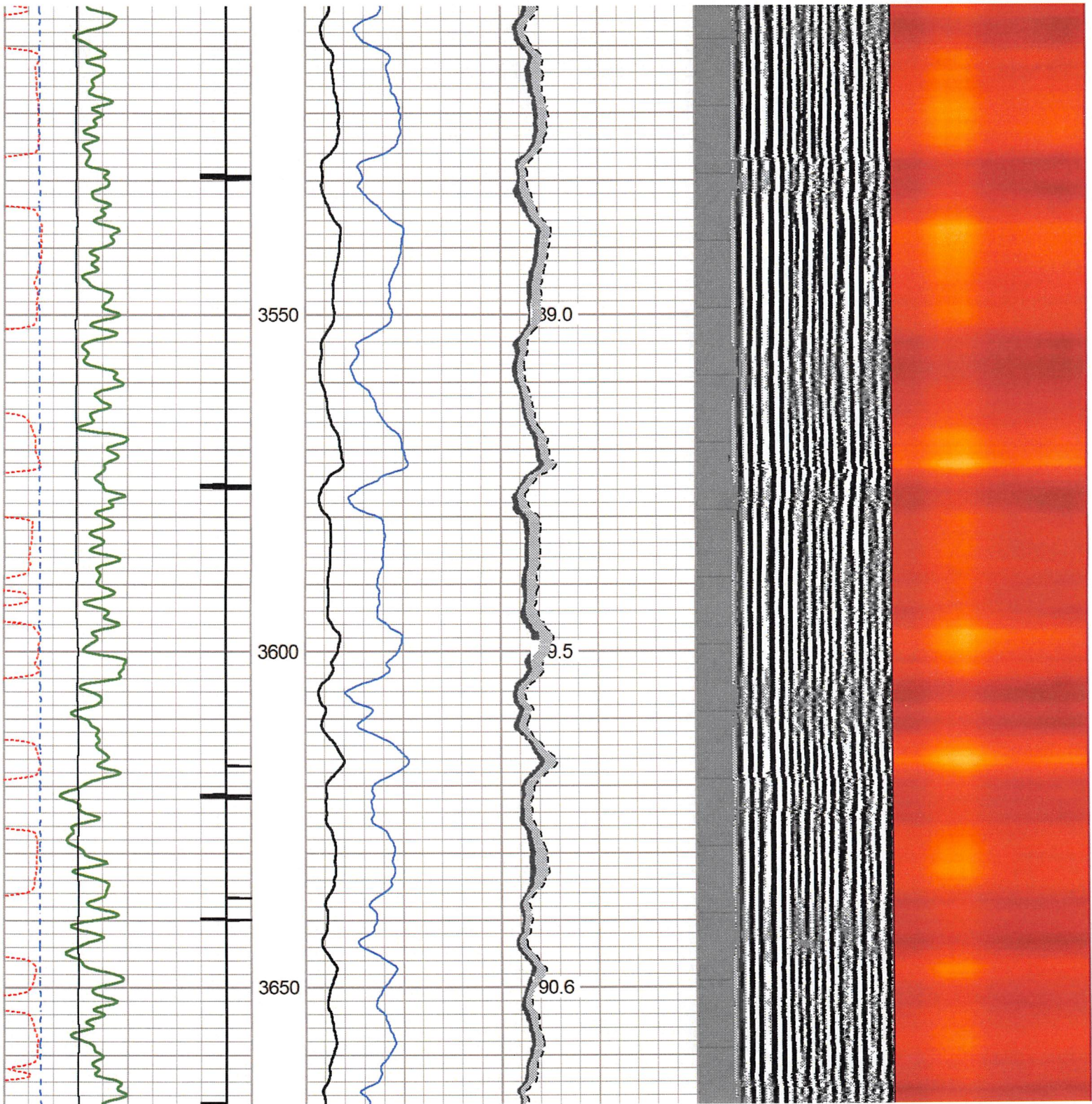


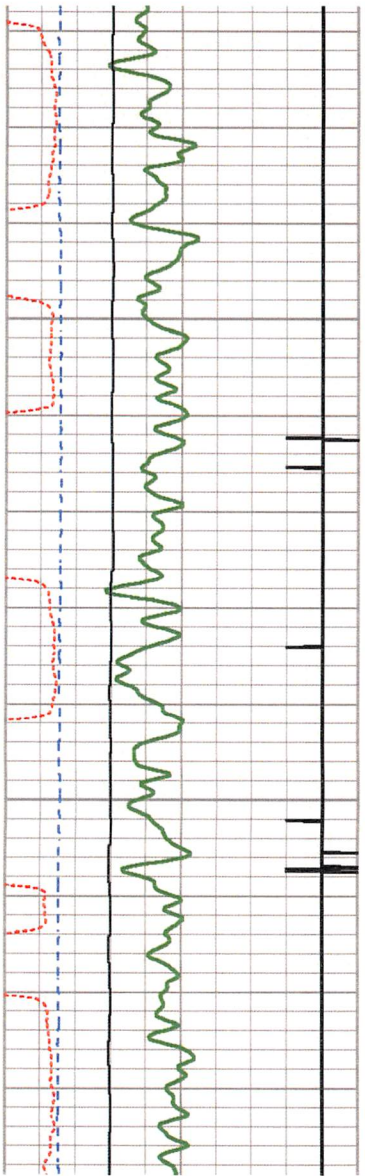






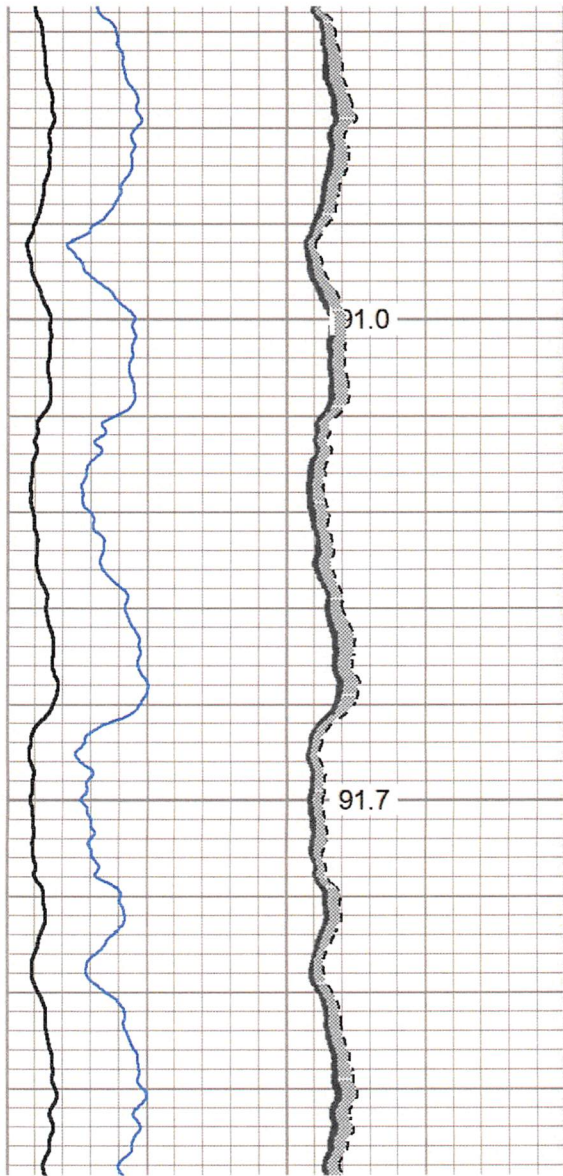






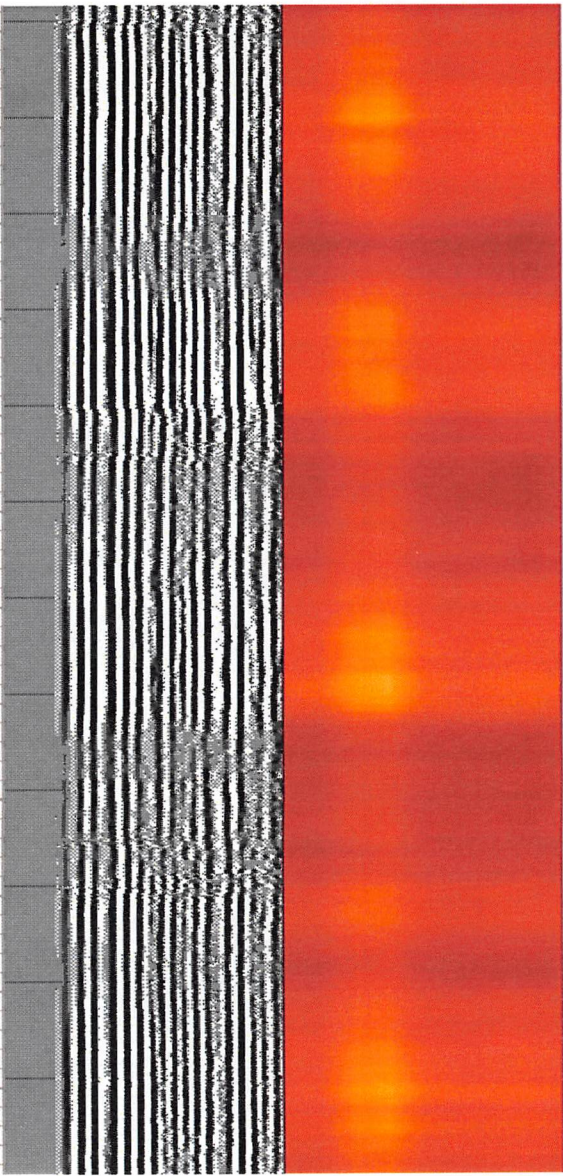
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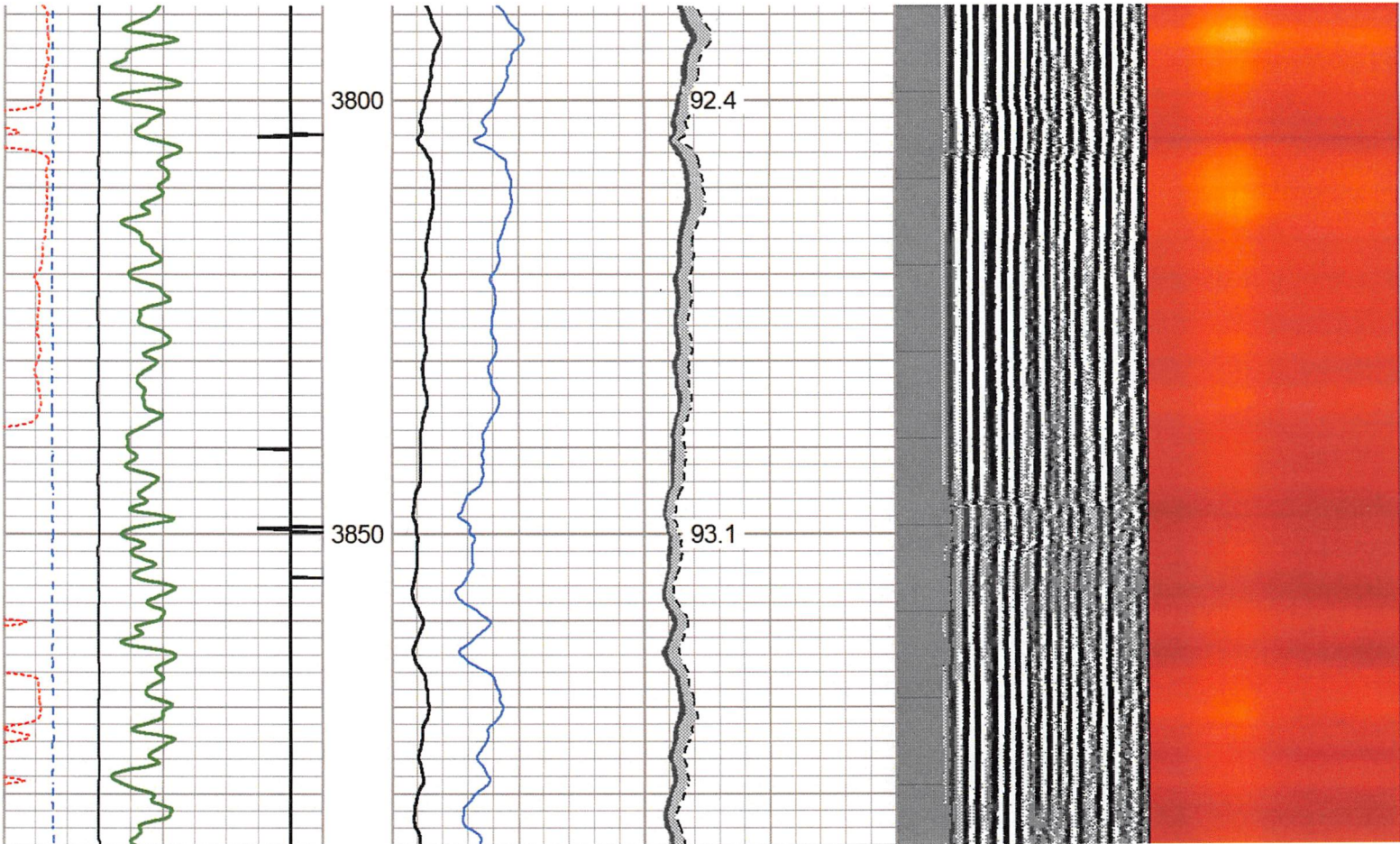
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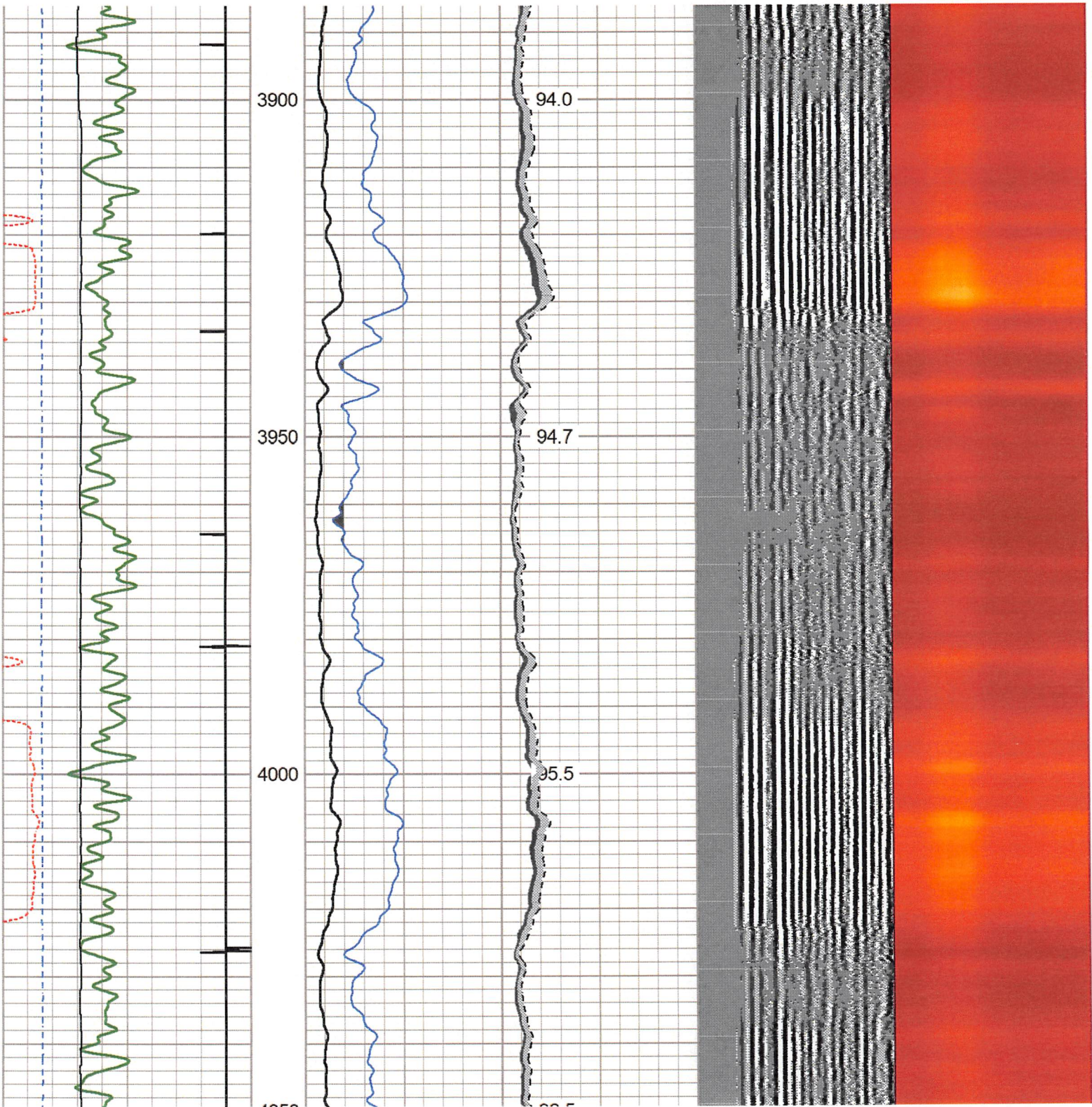


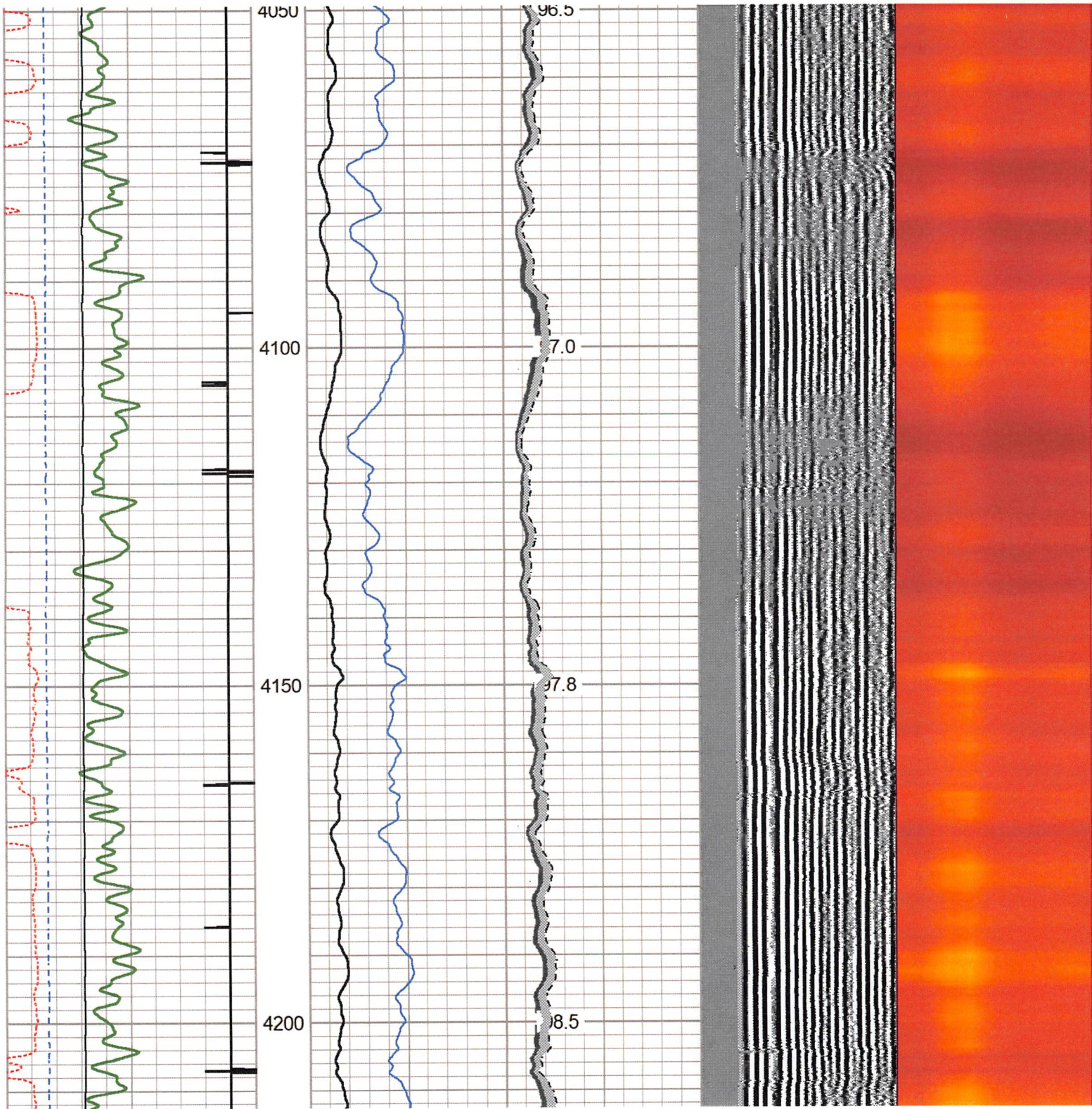
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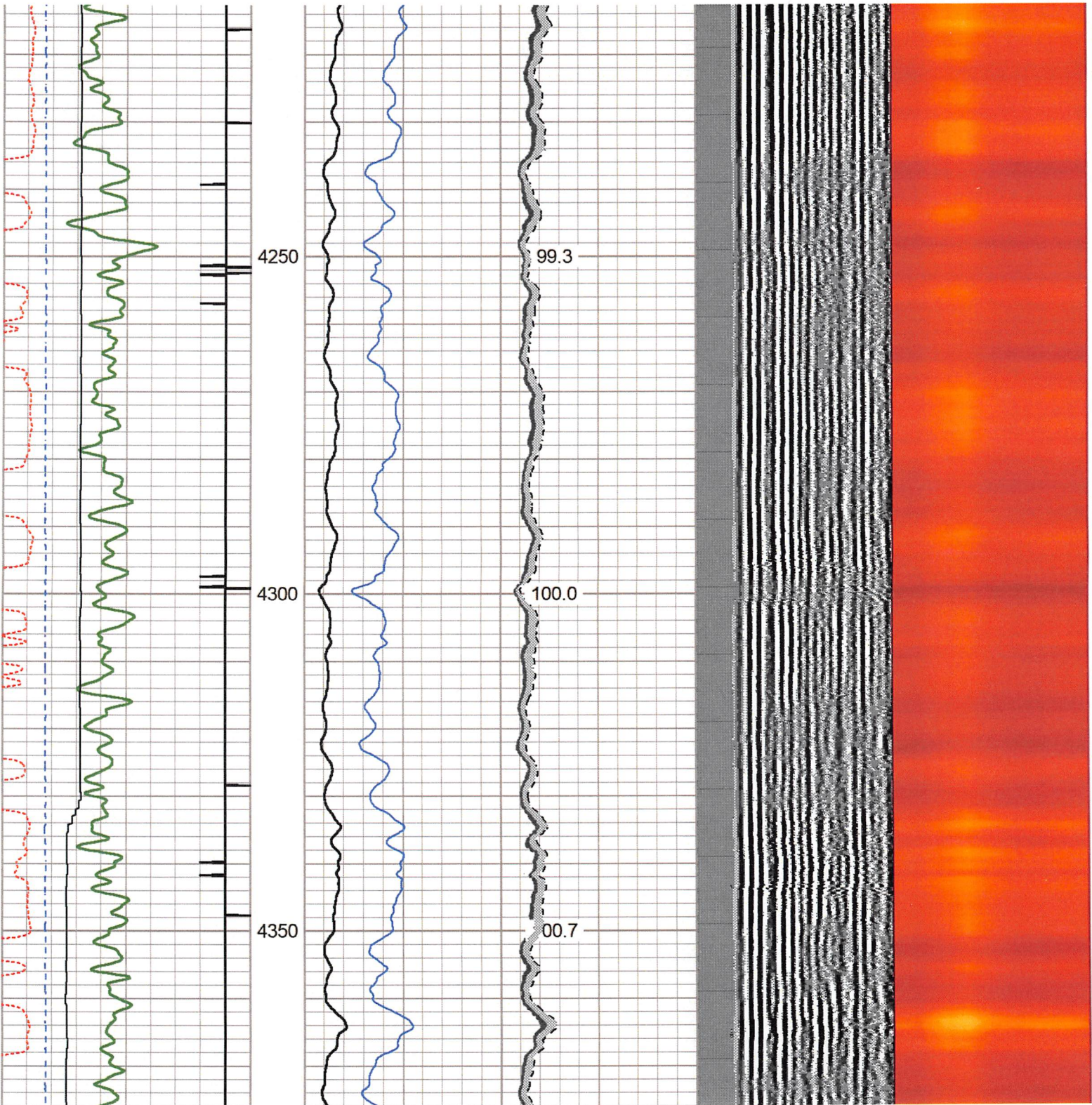
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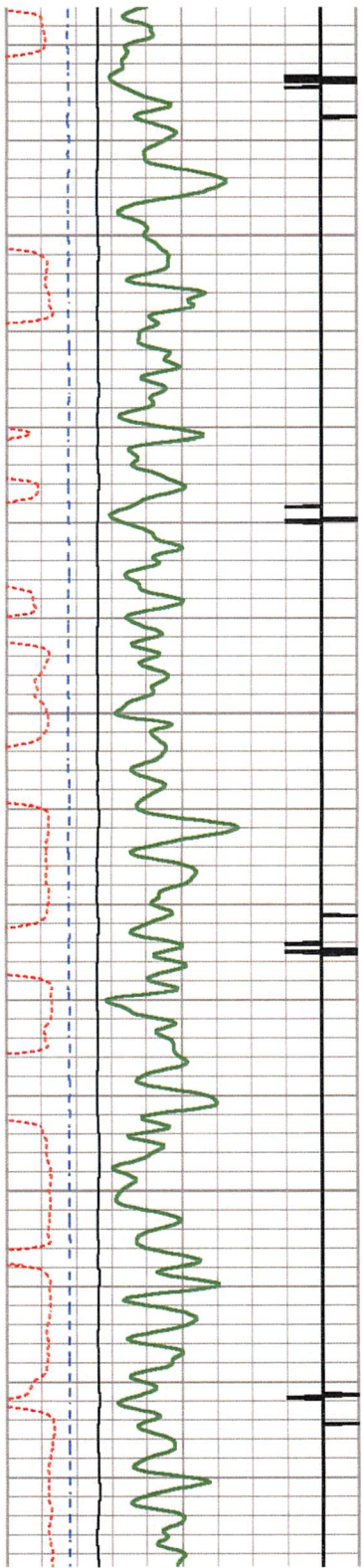








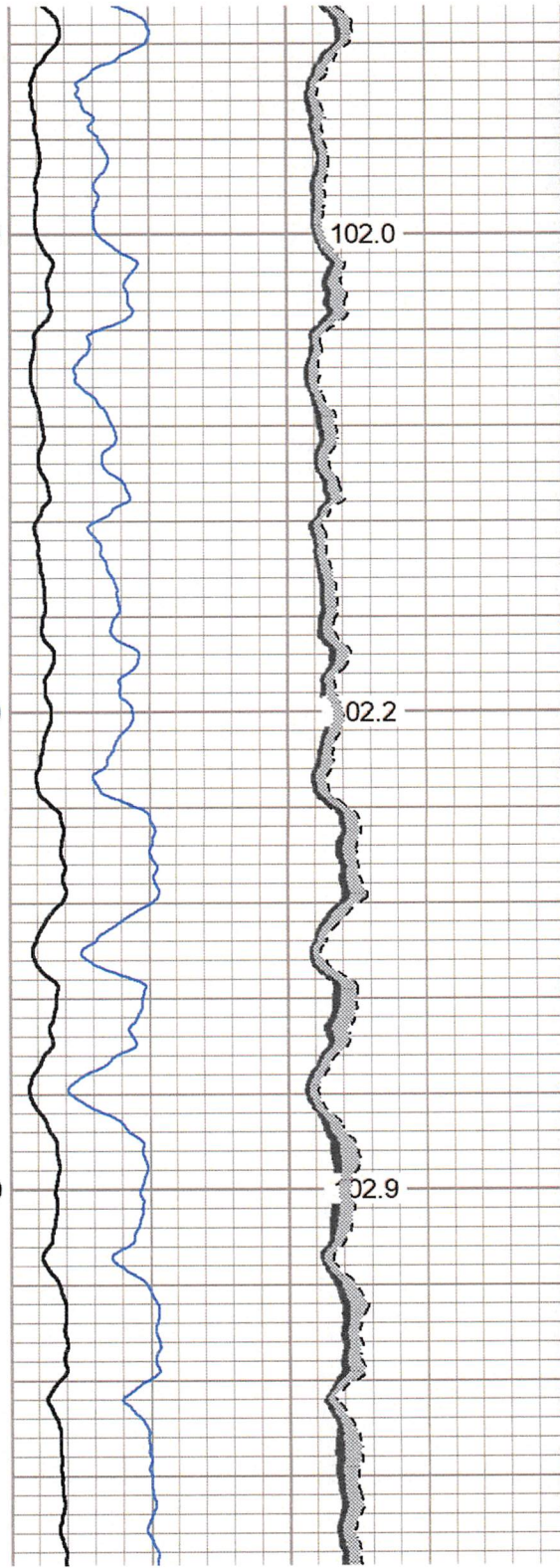




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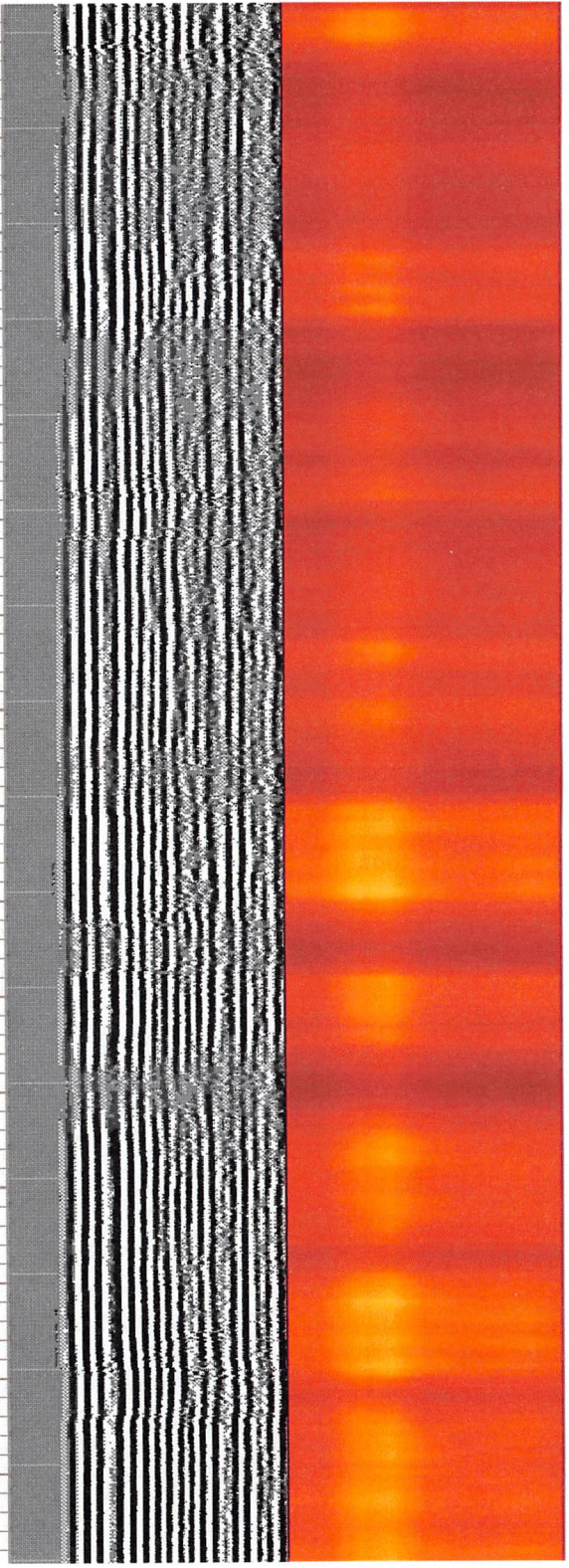
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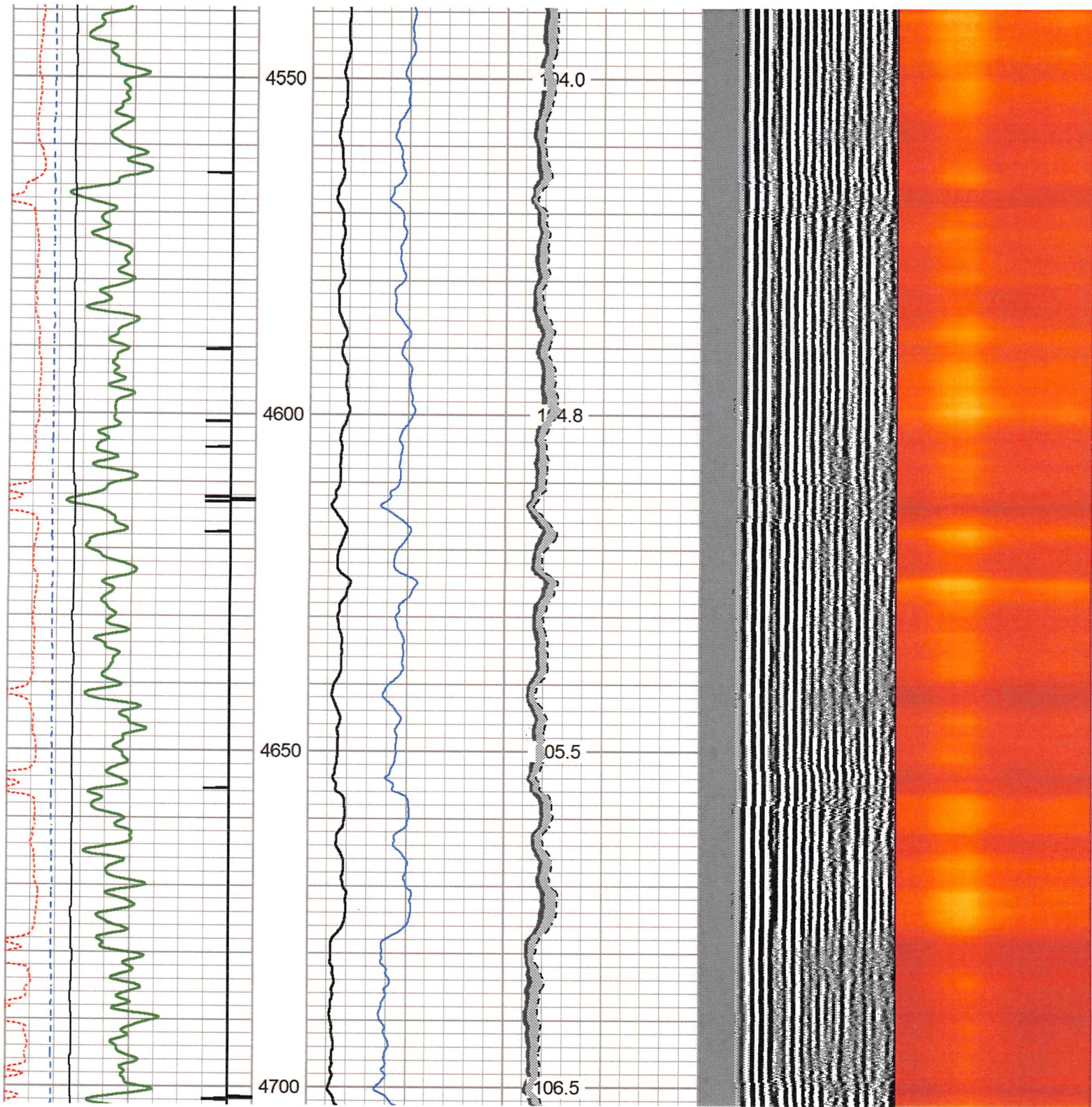


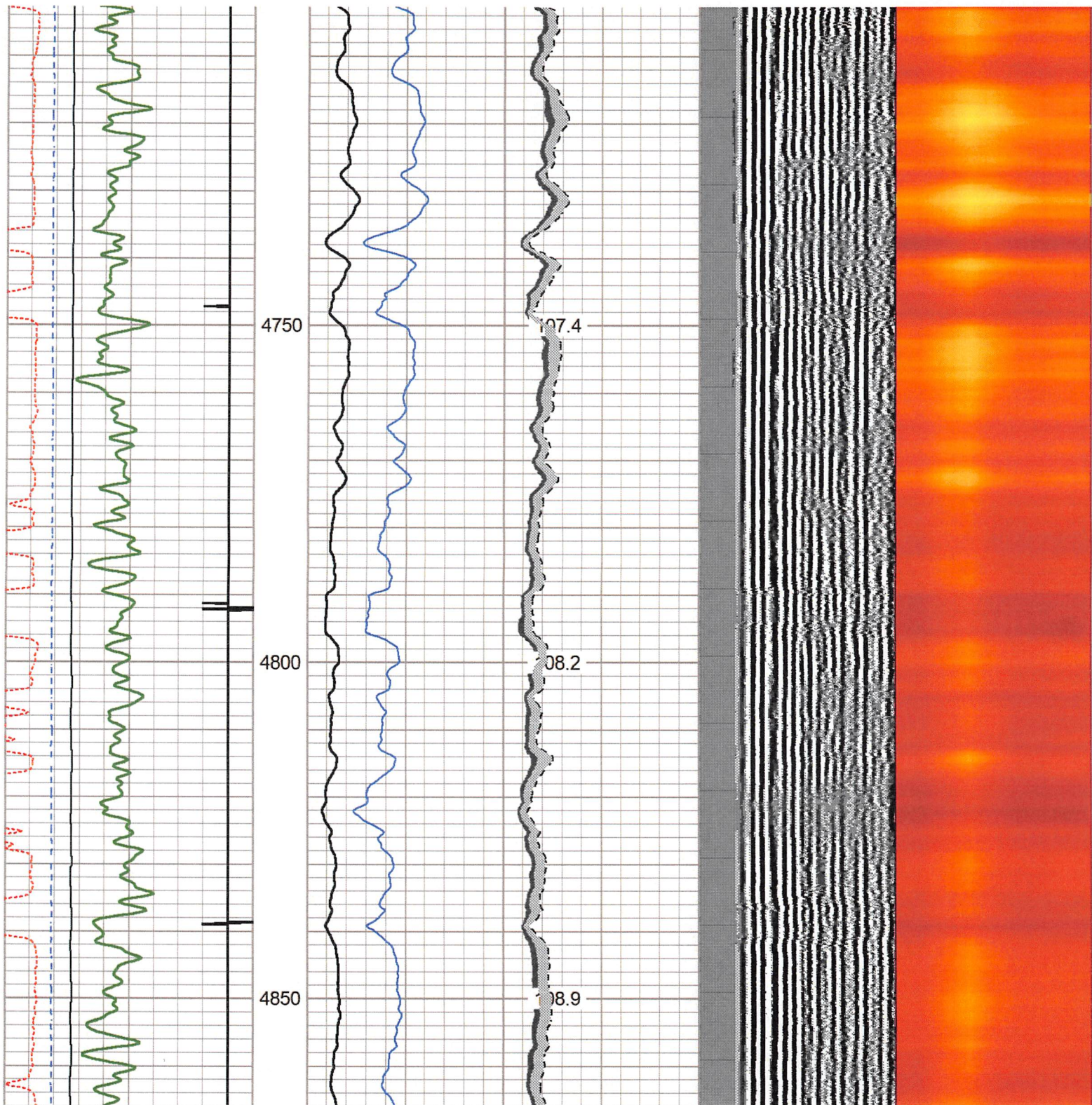
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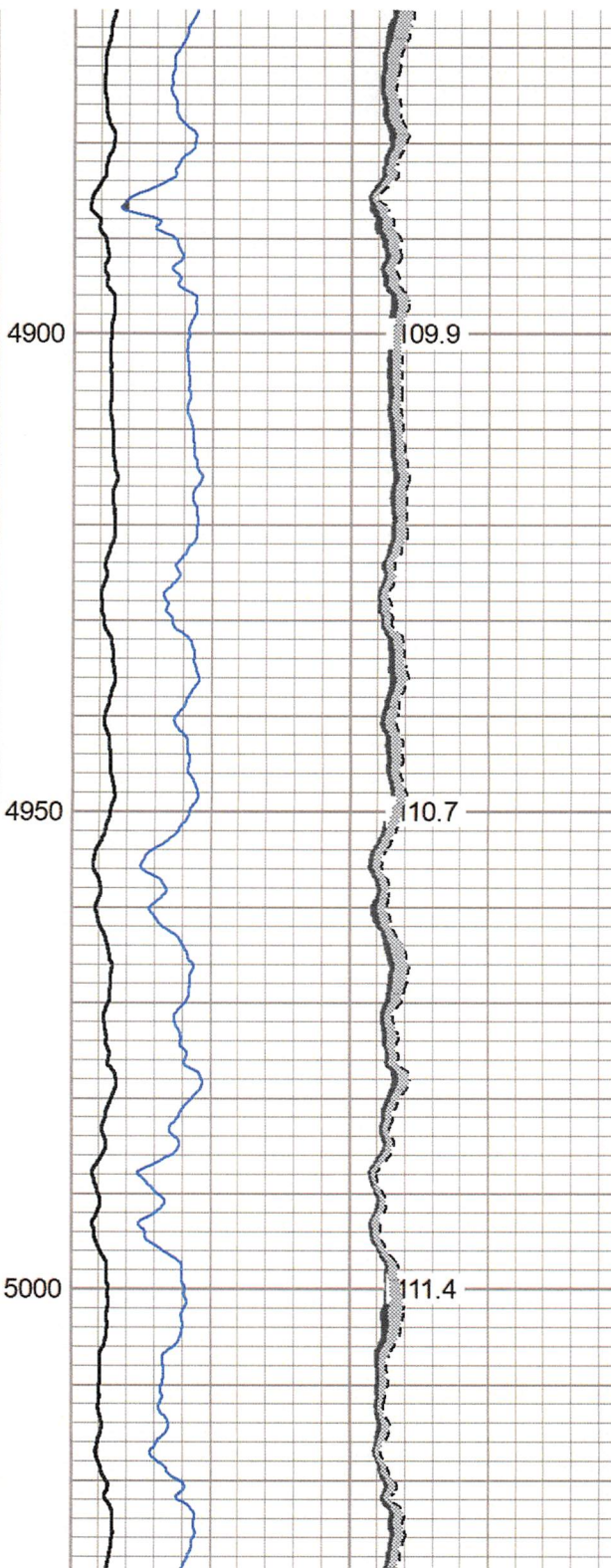
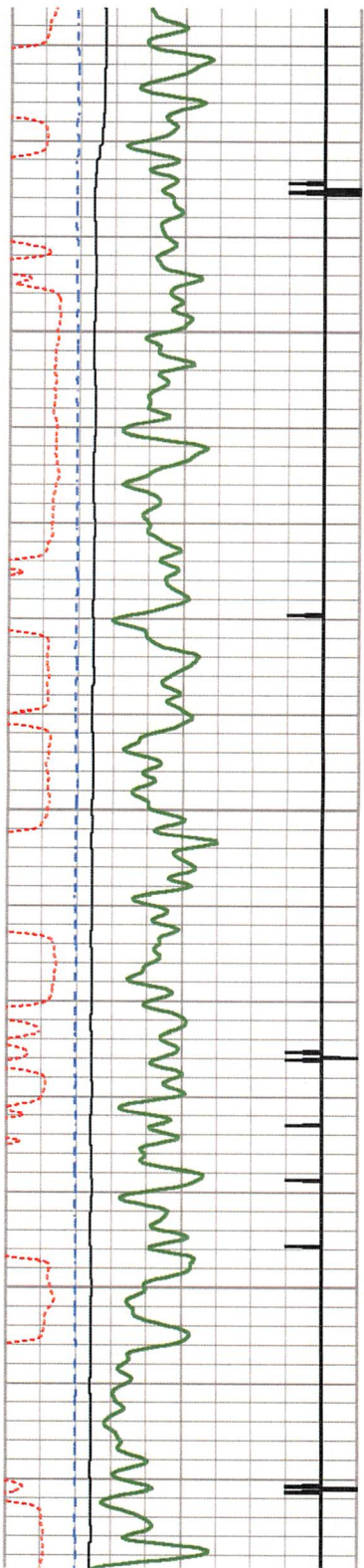
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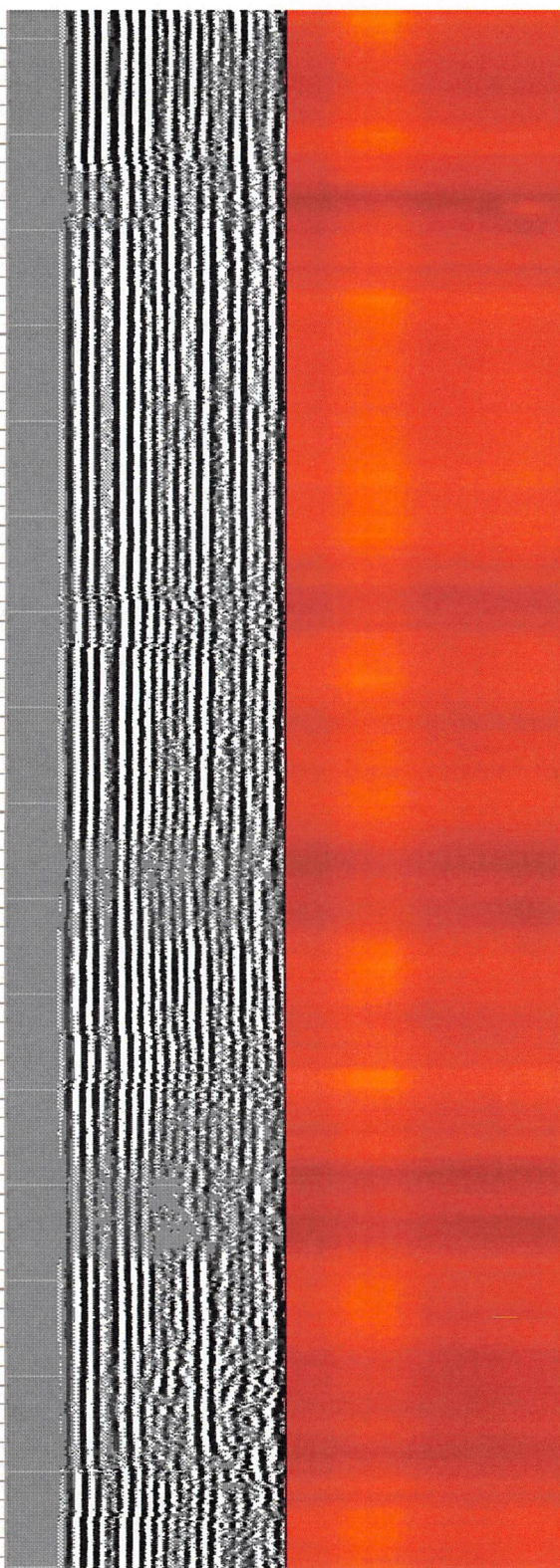


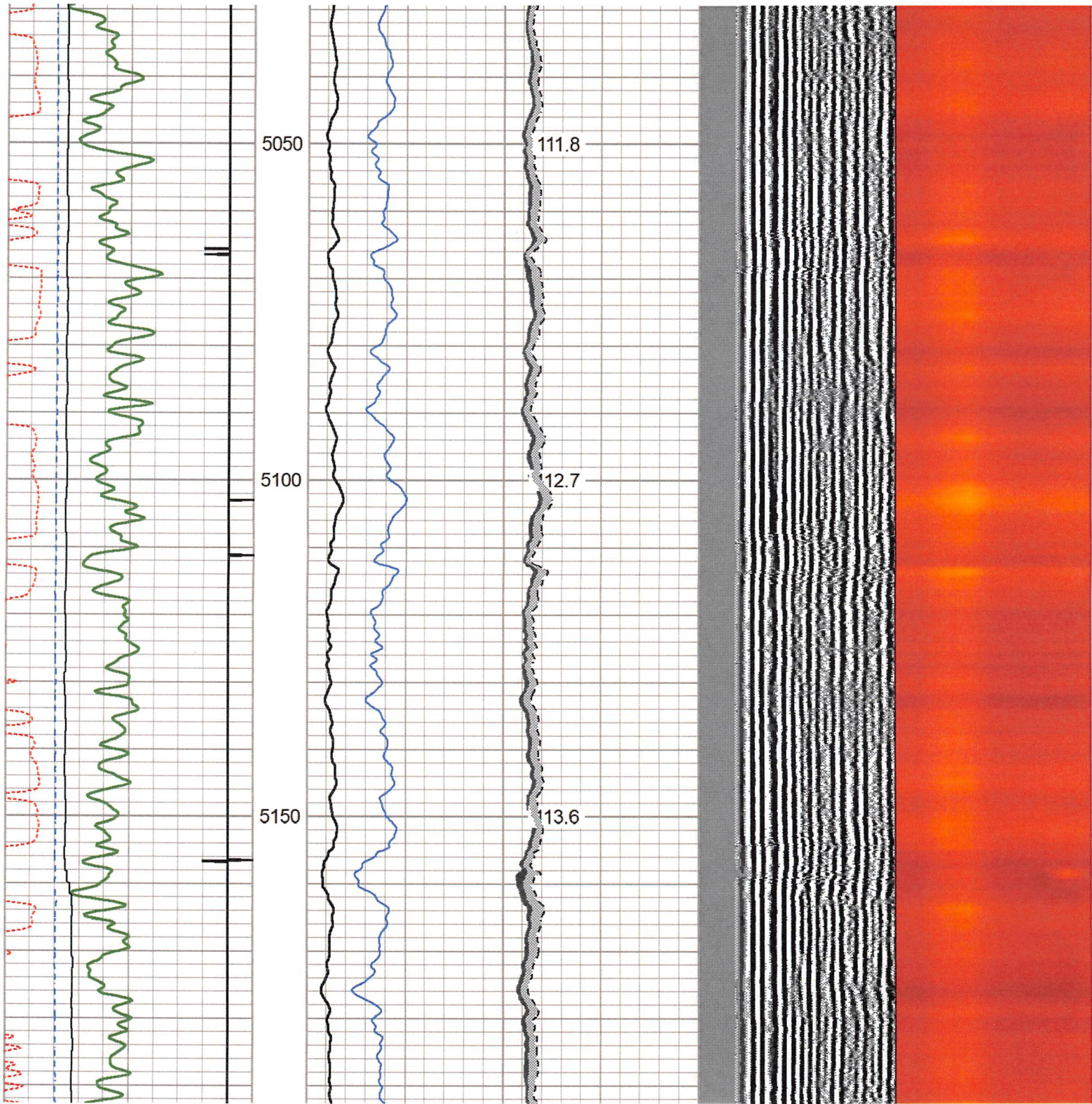


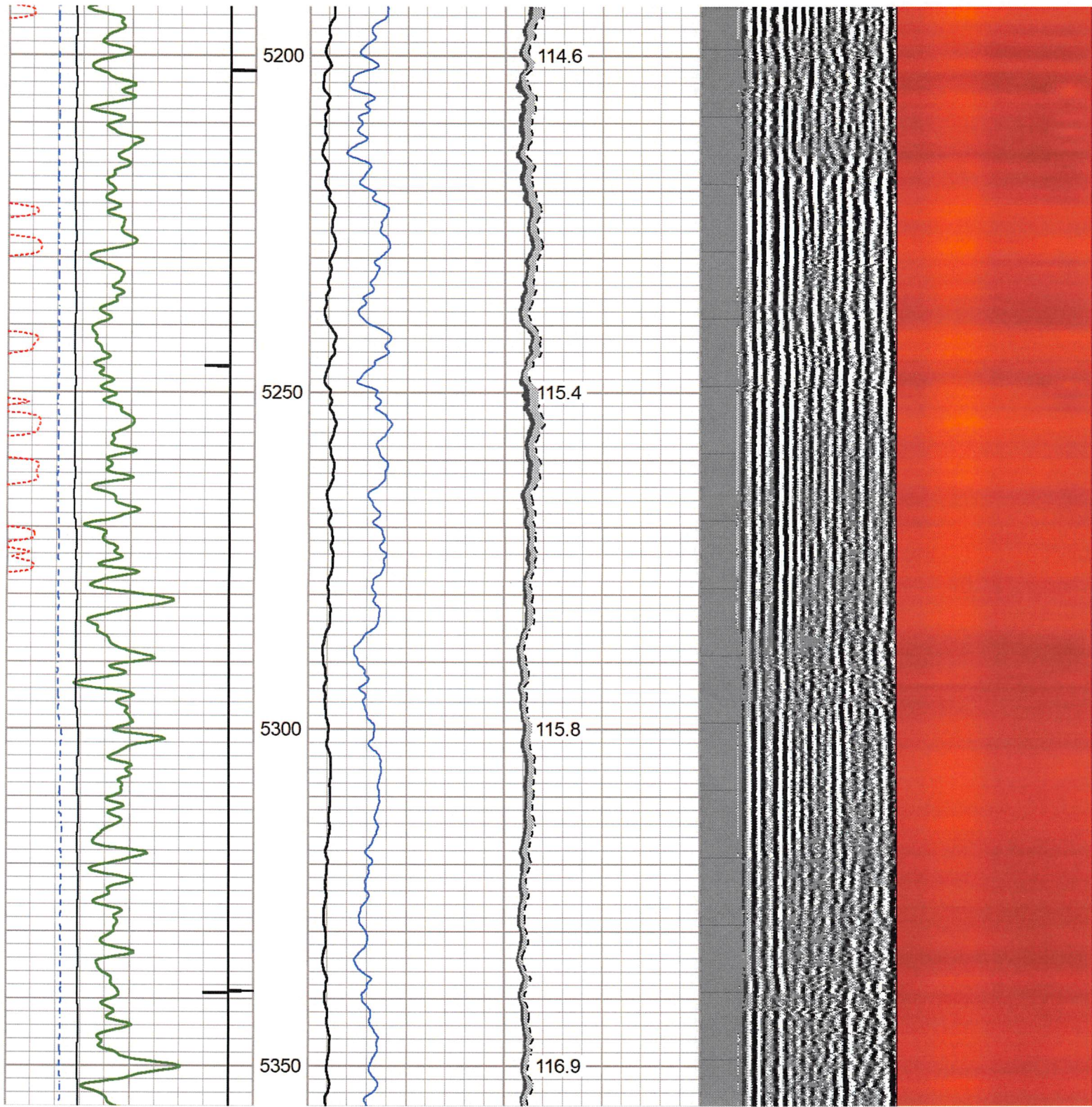


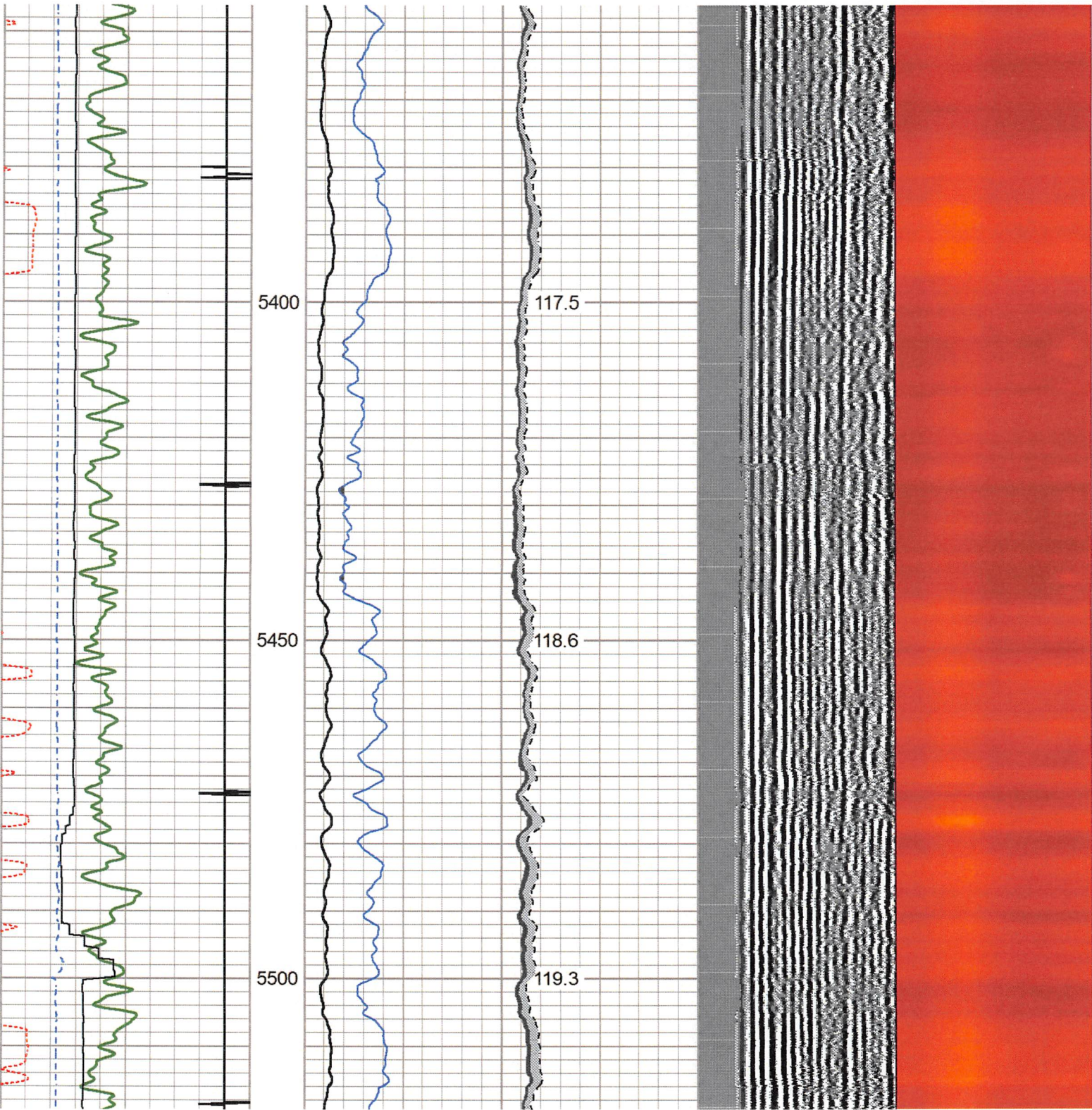


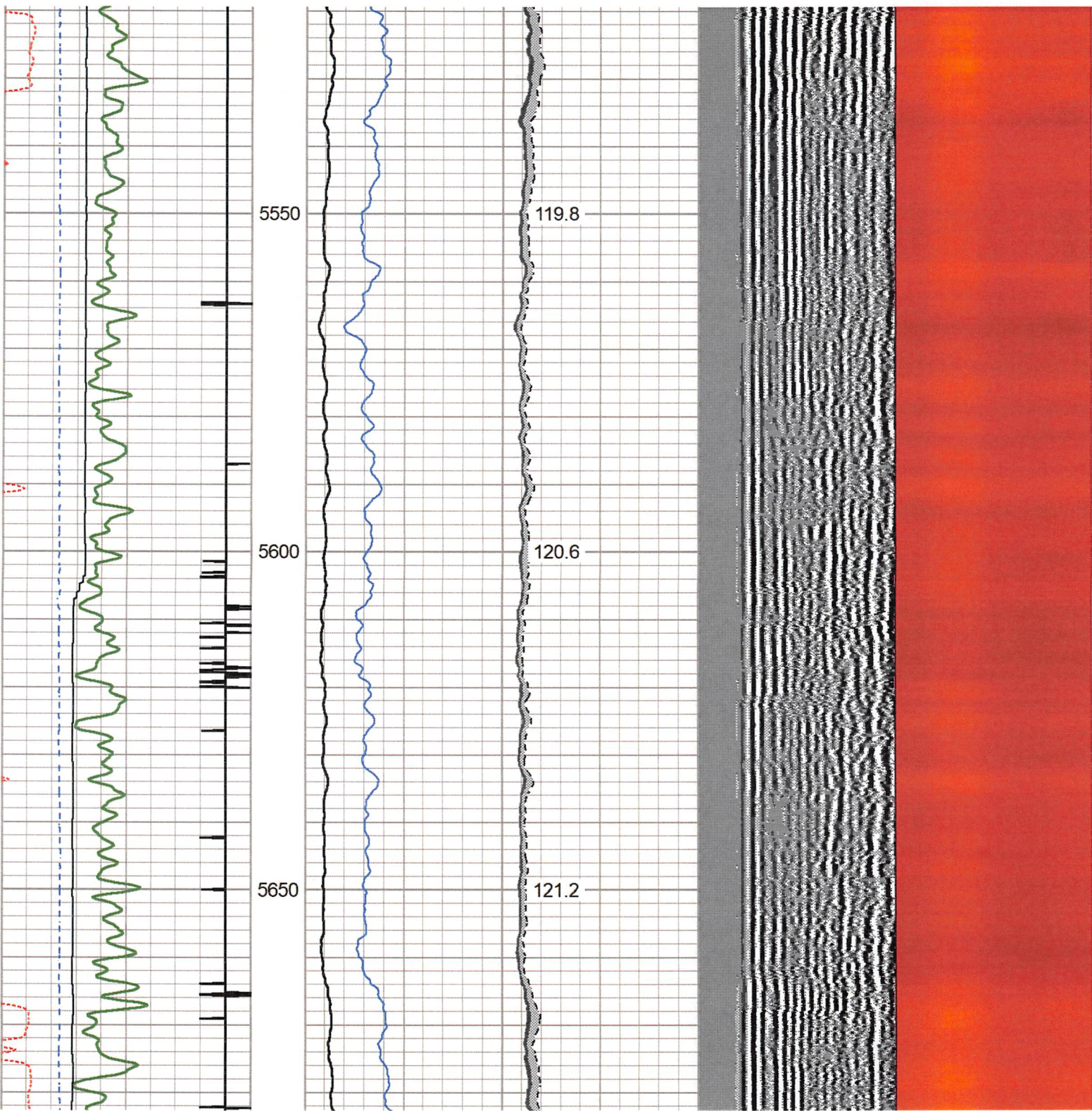
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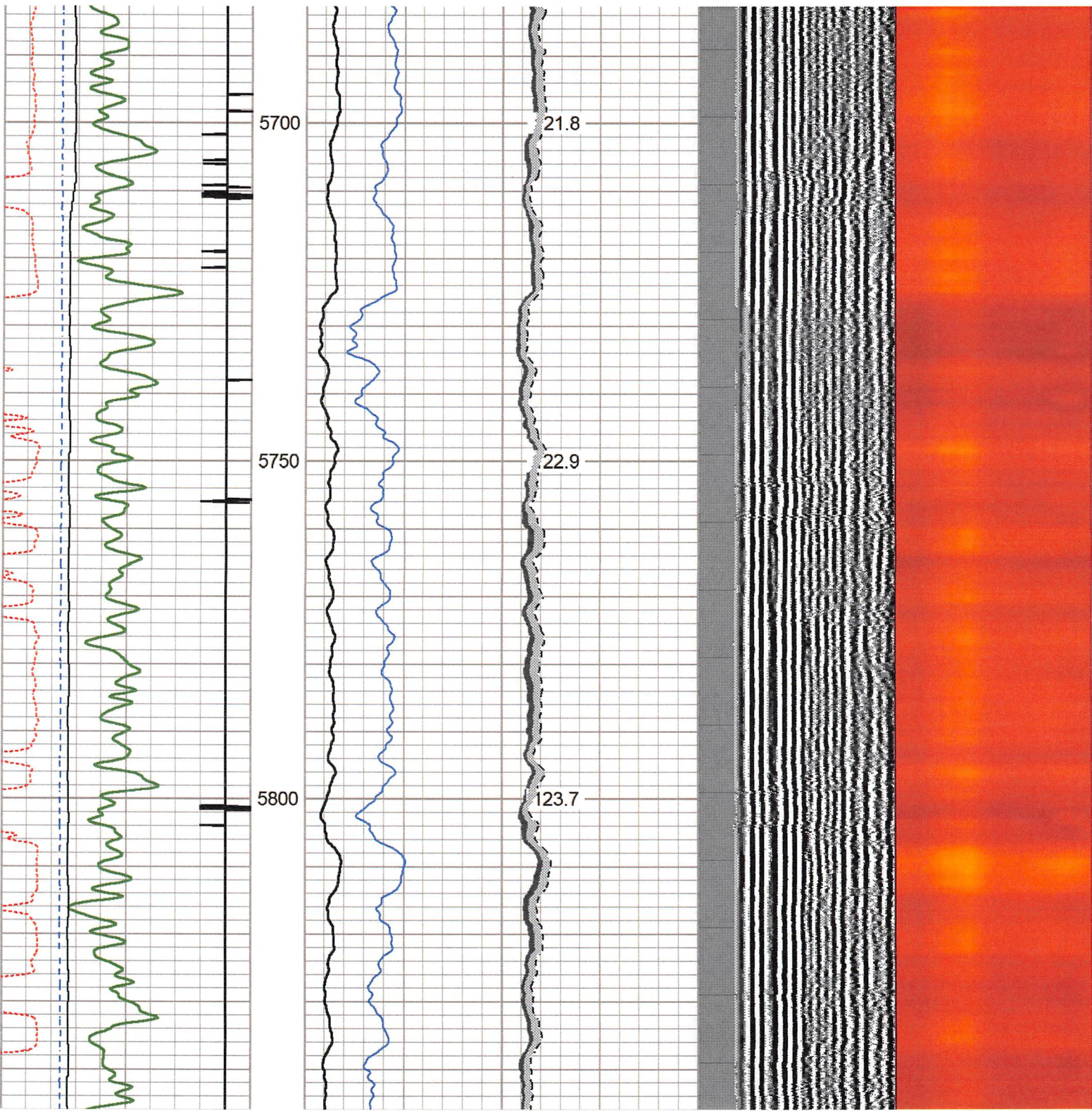


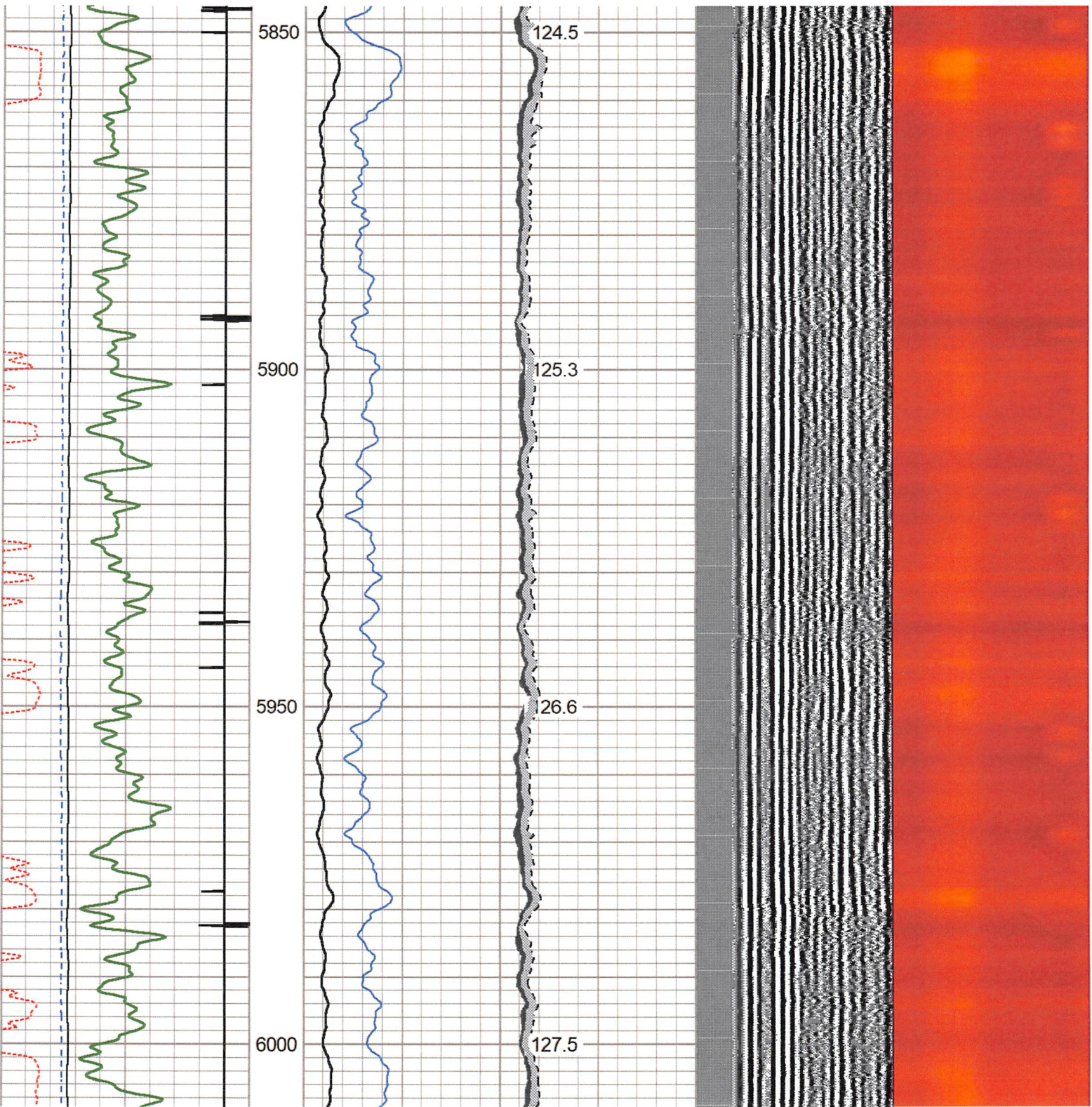


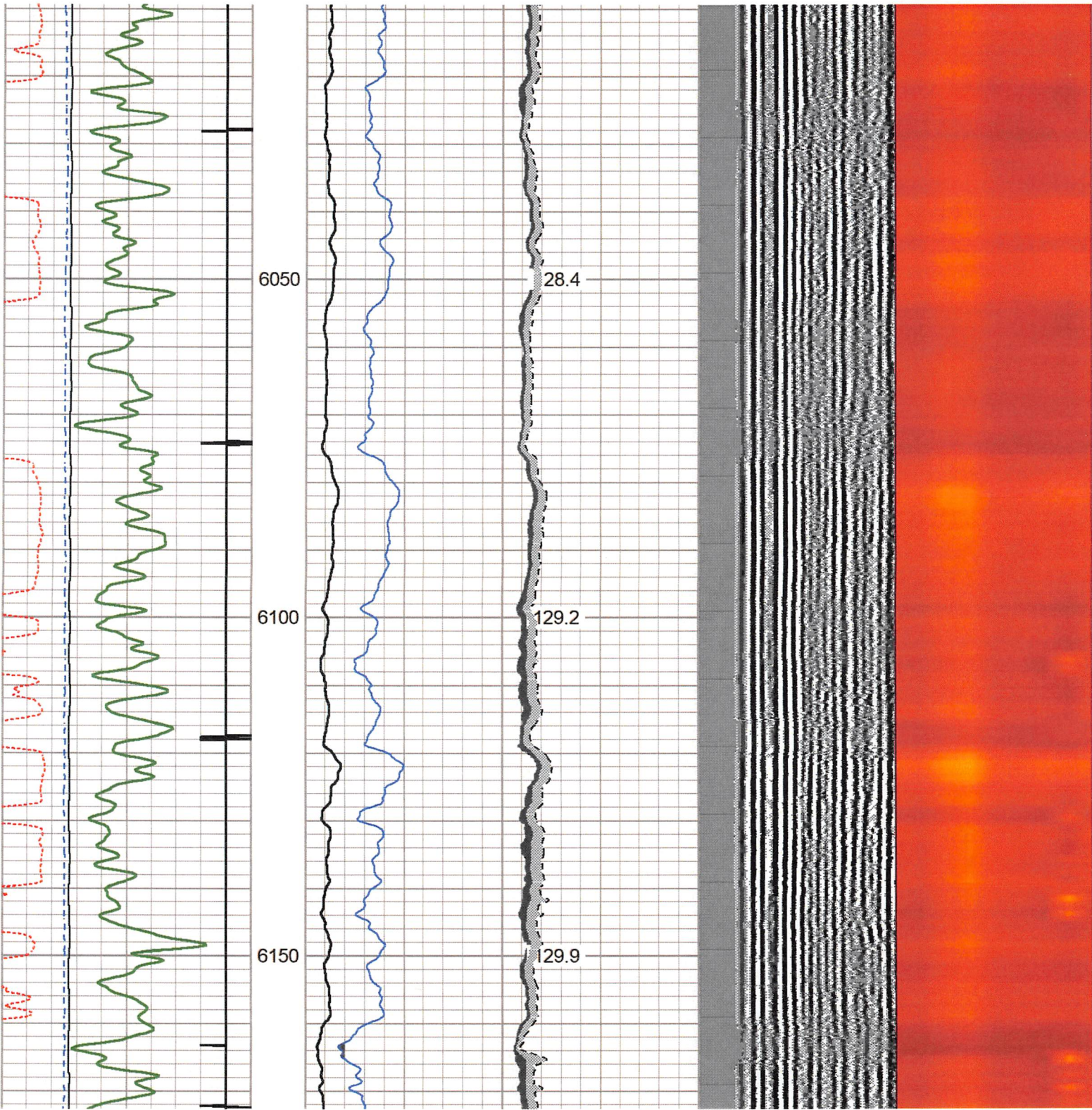


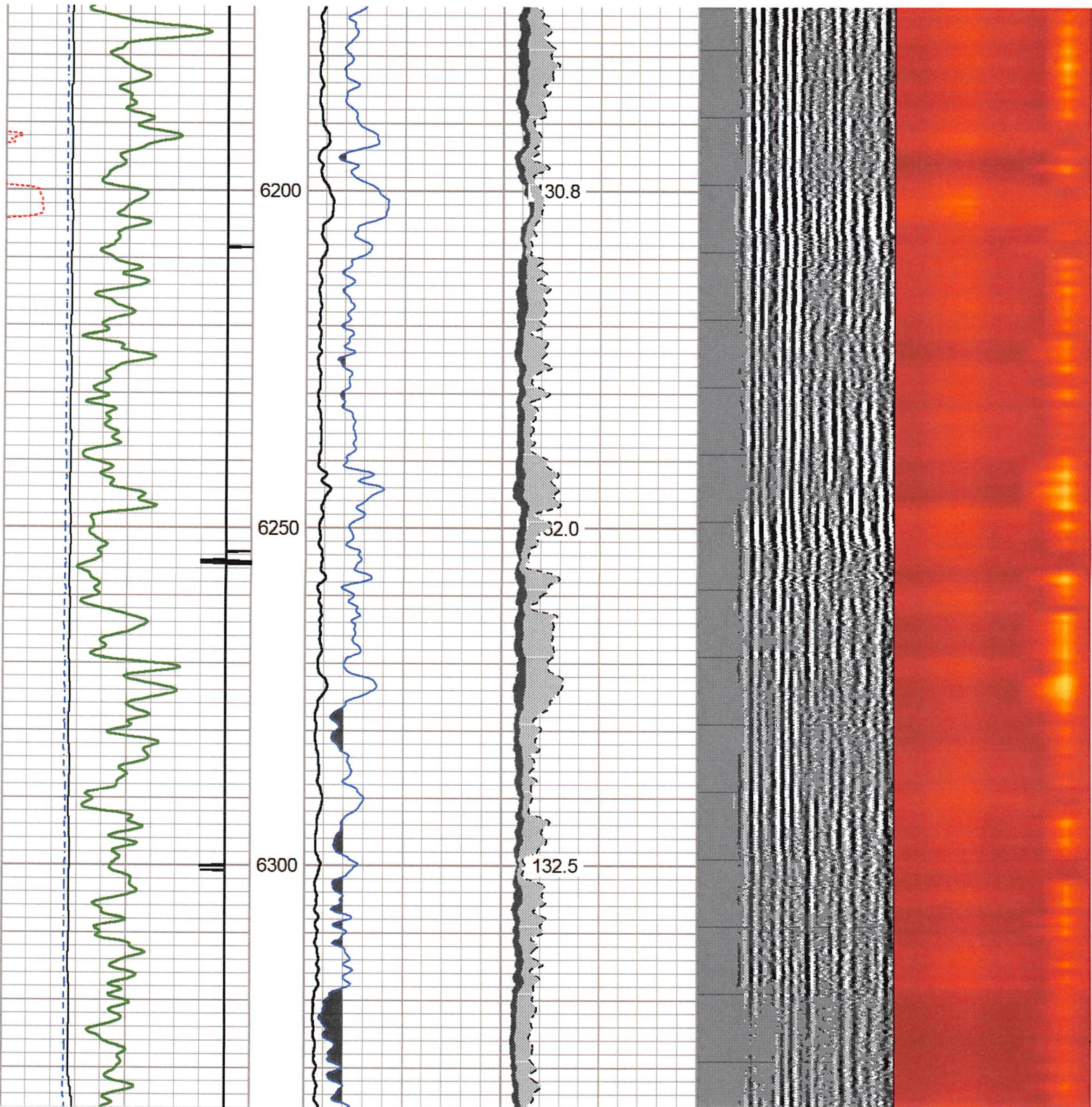


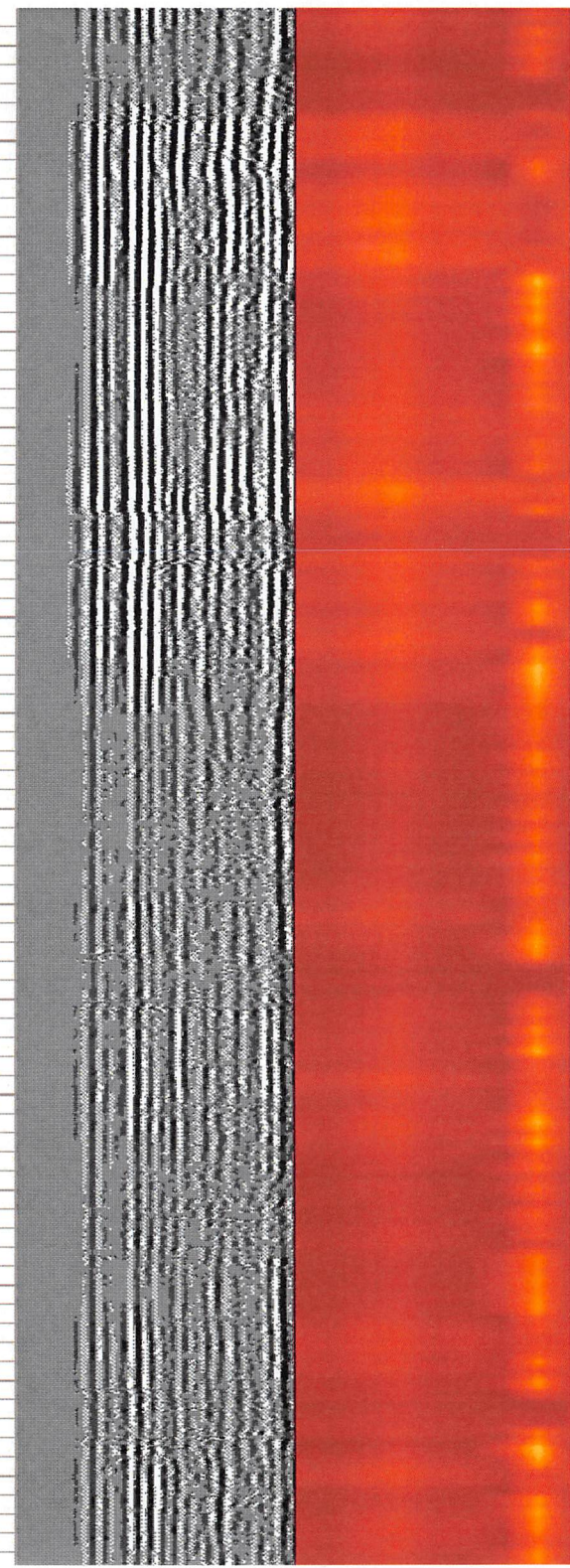
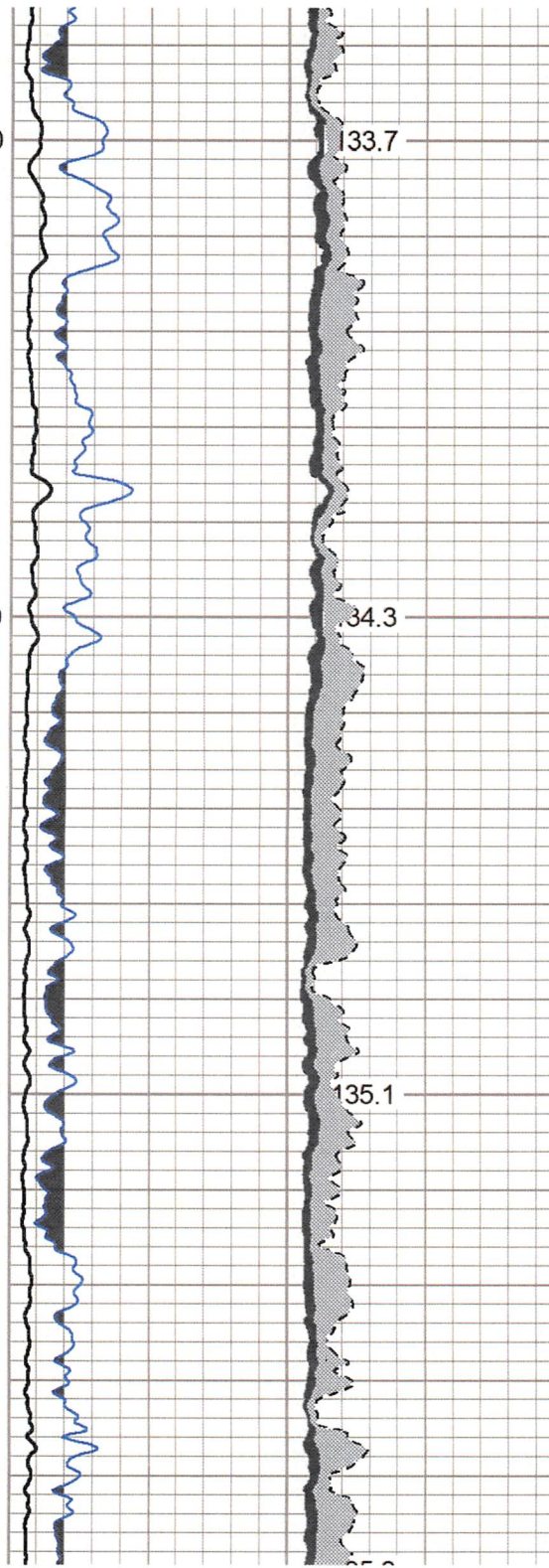
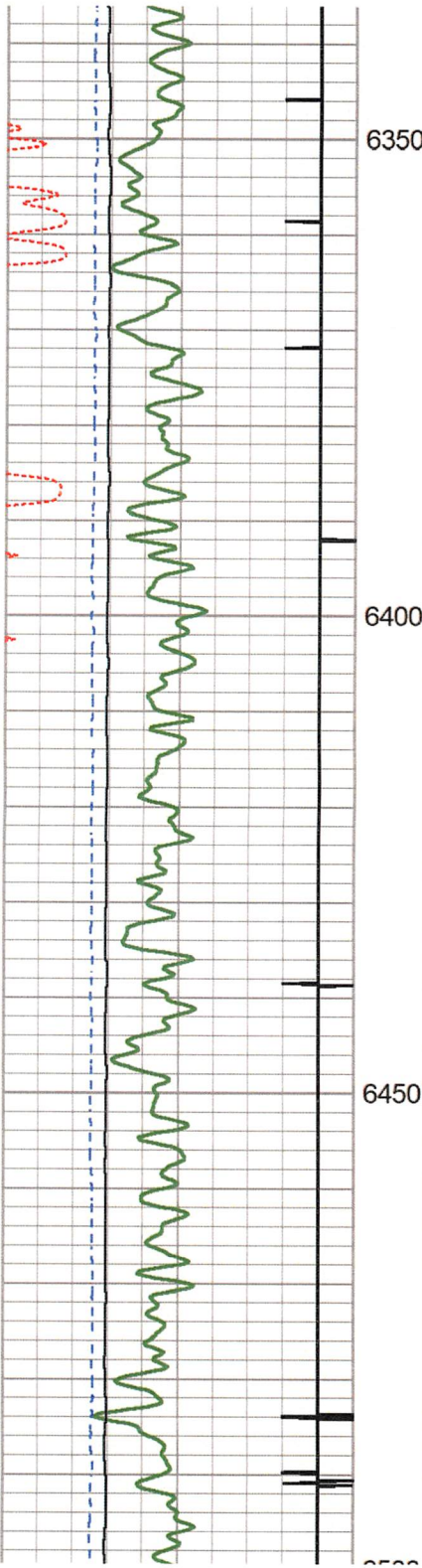


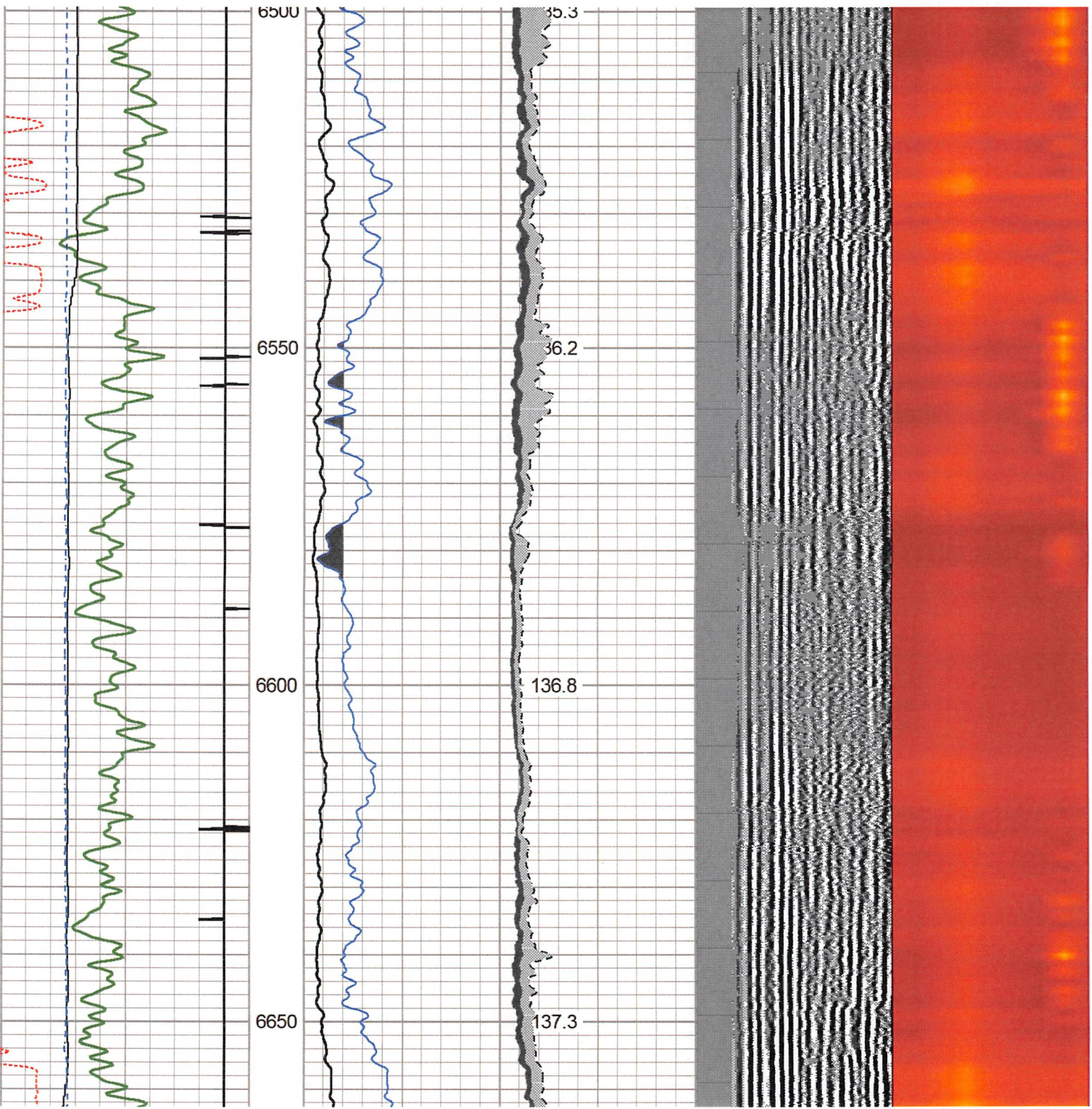


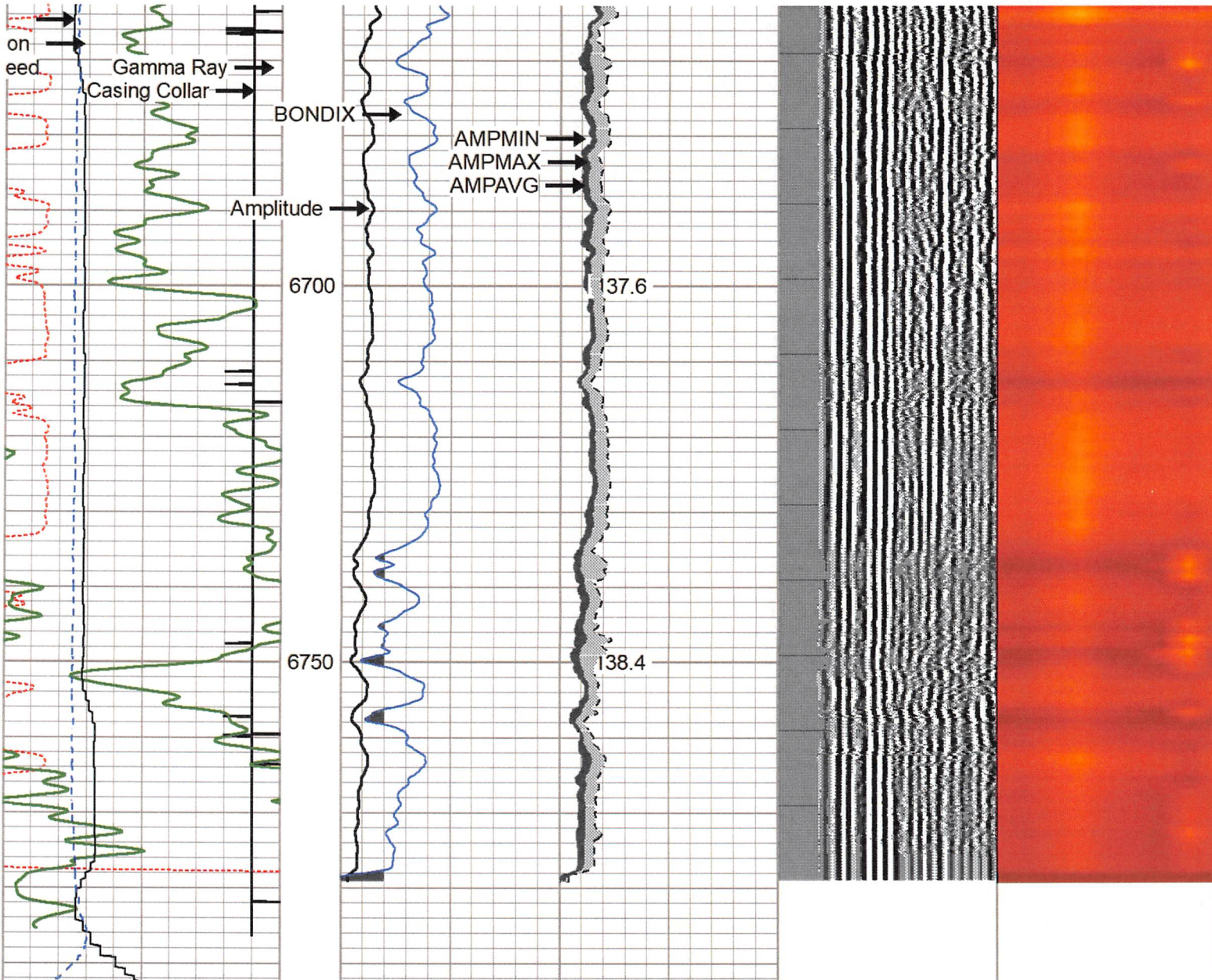












270	Travel Time (usec)	160
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
Line Speed		
-200	(ft/min)	200
0	Line Tension (lb)	5000

0	Amplitude (mV)	100	-5	AMPMIN	150
1	BONDIX	0	-5	AMPMAX	150
			-5	AMPAVG	150
TEMP			(degF)		

Variable Density	1	Cement Map	8
200	(usec)	1200	



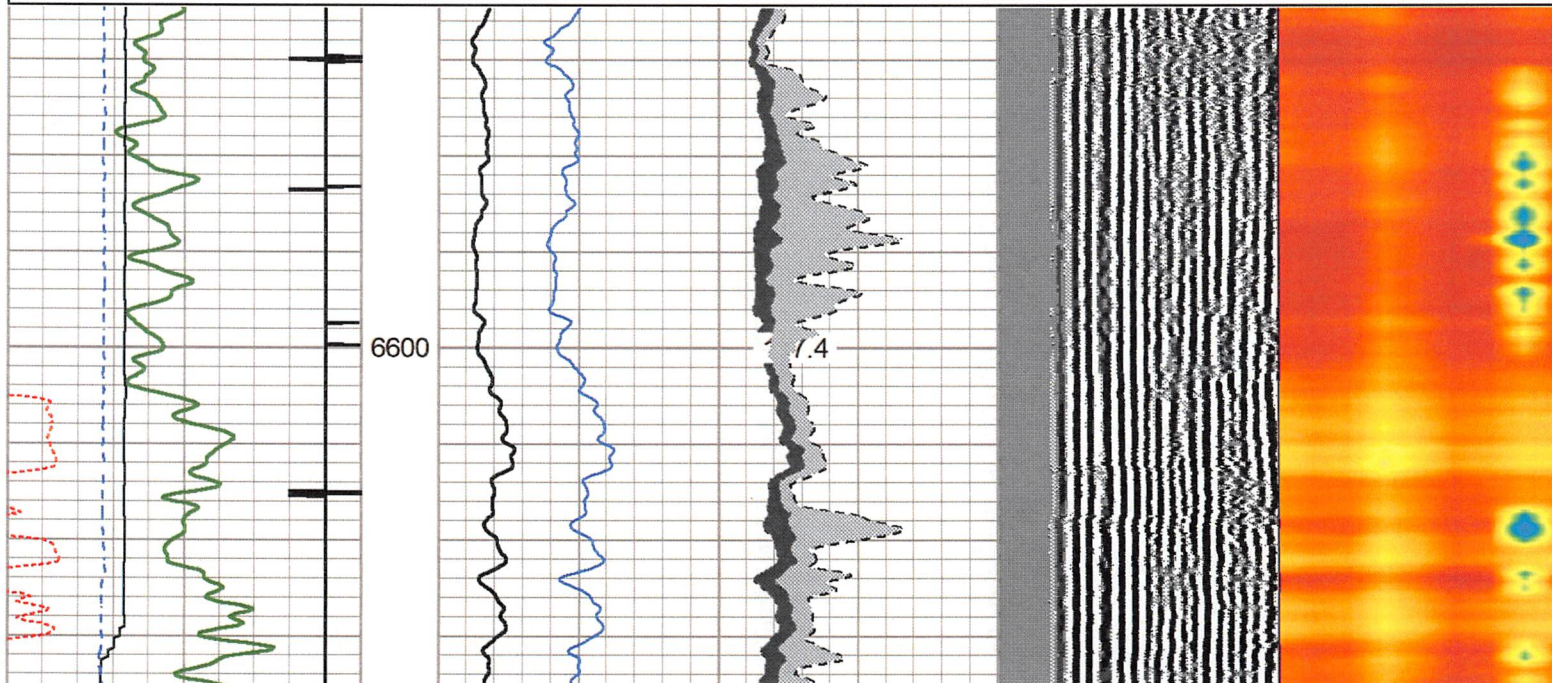
Main Pass 1500 PSI

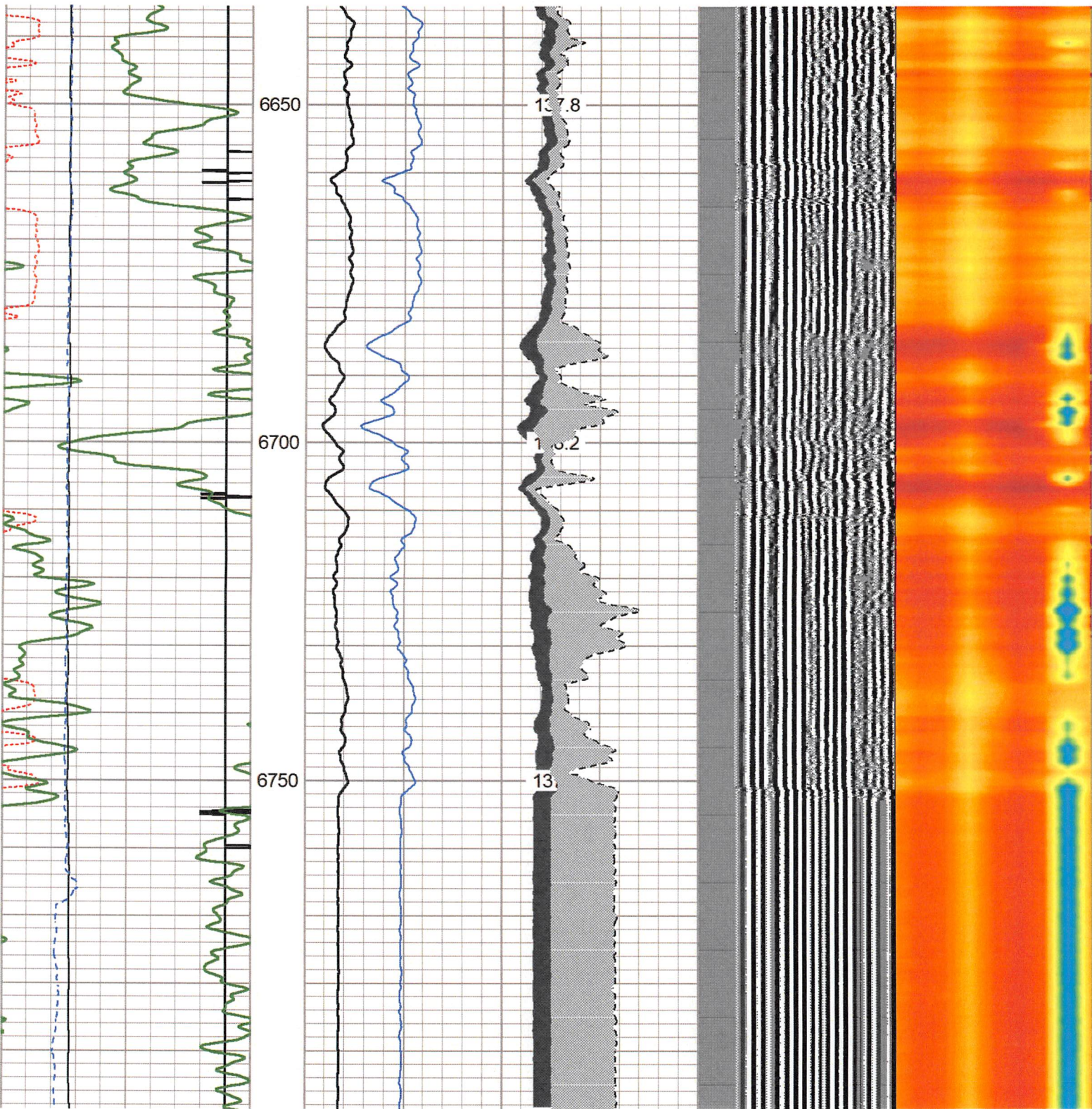


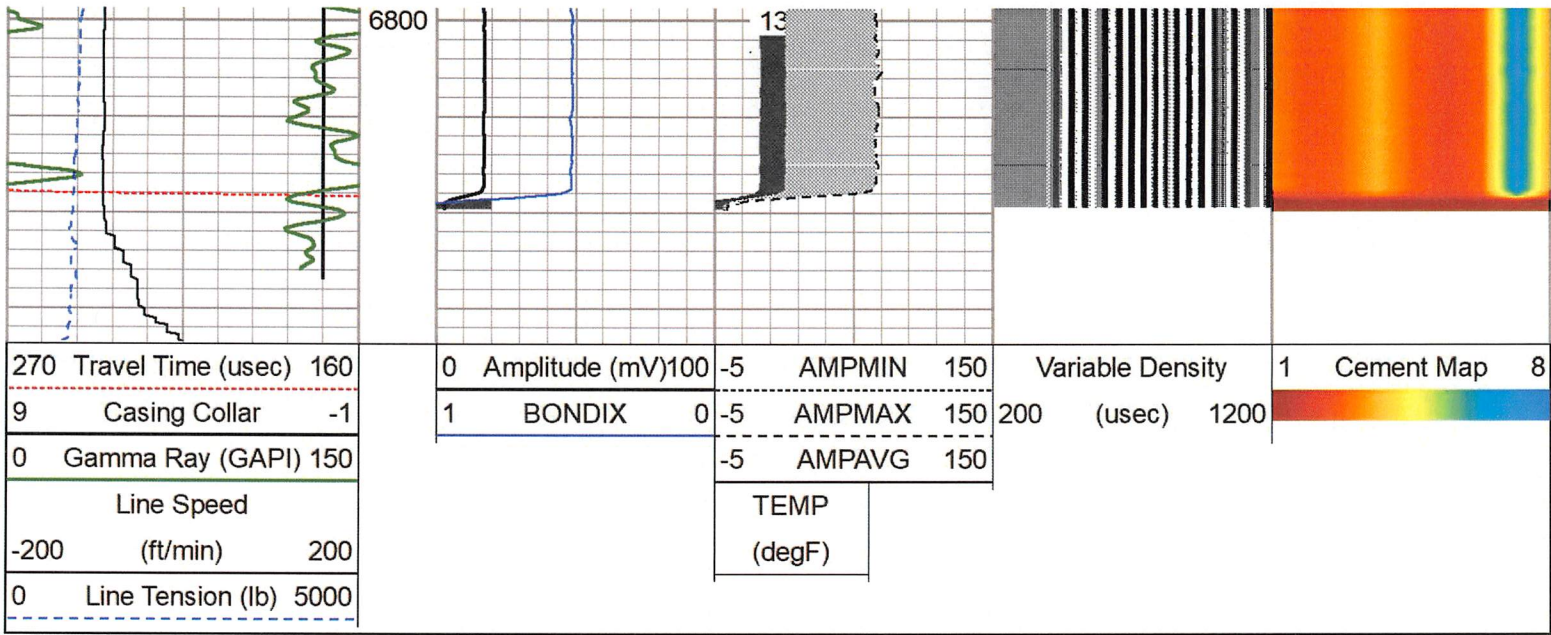
Repeat 0 PSI

Database File e:\antero resources wabble 2h june 20 2022\june 20 2020 antero wabble 2h.db
 Dataset Pathname pass4
 Presentation Format rcbl-bond index for antero 1020
 Dataset Creation Mon Jun 20 14:55:46 2022
 Charted by Depth in Feet scaled 1:240

270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	5000										









Repeat 0 PSI

Calibration Report		
Database File	E:\antero resources wabble 2h june 20 2022\june 20 2020 antero wabble 2h.db	
Dataset Pathname	pass6	
Dataset Creation	Mon Jun 20 16:54:20 2022	
Gamma Ray Calibration Report		
Serial Number:	FW1211-86	
Tool Model:	Probe	
Performed:	Fri May 27 10:01:00 2022	
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5000	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	2.75"	
Tool Model:	Probe275T	

Calibration Casing Diameter: 5.500 in
 Calibration Depth: -20.458 ft

Master Calibration, performed Mon Jun 20 15:15:02 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	1.213	3.400	71.921	56.590	3.274
CAL	1.395	1.393				
5'	-0.013	1.183	3.400	71.921	57.319	4.124
SUM						
S1	0.062	1.283	0.000	100.000	81.945	-5.116
S2	-0.012	1.206	0.000	100.000	82.039	1.020
S3	-0.009	1.206	0.000	100.000	82.322	0.744
S4	-0.011	1.215	0.000	100.000	81.522	0.928
S5	-0.012	1.211	0.000	100.000	81.779	0.980
S6	-0.011	1.200	0.000	100.000	82.579	0.889
S7	-0.011	1.214	0.000	100.000	81.649	0.908
S8	-0.013	1.218	0.000	100.000	81.279	1.029

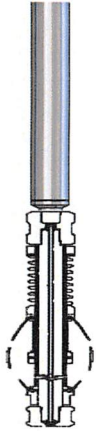
Internal Reference Calibration, performed Wed Nov 23 14:17:52 2011:


	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.395	1.393	1.000	0.000

Air Zero Calibration, performed Mon Jun 20 15:16:58 2022:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.003		0.000			-0.001
5'	-0.013		0.000			0.000
SUM						
S1	0.062		0.000			0.000
S2	-0.014		0.000			0.001
S3	-0.010		0.000			0.000
S4	-0.011		0.000			0.000
S5	-0.012		0.000			-0.000
S6	-0.011		0.000			0.000
S7	-0.011		0.000			-0.001
S8	-0.012		0.000			-0.001

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
			CHD-Titan Standard 1 7/16" Cable Head	1.02	1.44	1.00	
			Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00	
HeadVolt	20.39						
Temp	17.54						
WVFS8	15.31			RBT-Probe275T (2.75") Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS7	15.31						
WVFS6	15.31						
WVFS5	15.31						
WVFS4	15.31						
WVFS3	15.31						
WVFS2	15.31						
WVFS1	15.31						
WVF3FT	15.31						
WVF5FT	14.31						
WVFCAL	11.06						
HEADVOLT	11.06		Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00	
CCL	6.73						

GR	5.40		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
			CENT-Titr275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00
Dataset: june 20 2020 antero wabble 2h.db: field/well/run1/pass6 Total length: 24.89 ft Total weight: 251.00 lb O.D.: 3.13 in						

	Company	Antero Resources	
	Well	Wabble 2H	
	Field		
	County	Tyler	
	State	WV	Country