SECTOR BOND LOG

Company	H&C OPERATIONS INC.
Well	BAKEL UNIT NO.25 SIW
Field	DREIL
County	GRAHAM
State	KANSAS
Country	MERICA!!

Company H&C OPERATIONS INC.
Well BAKEL UNIT NO.25 SIW
Field DREIL
County GRAHAM
State KANSAS Country MERICA!!

Location: API # : 15-065-24150-00-00
1650' FNL 380' FEL
SEC 25 TWP 9 S RGE 25 W

Permanent Datum	GROUND LEVEL	Elevation	2575'
Log Measured From	8' AGL K.B.		
Drilling Measured From	KELLY BUSHING		

Elevation	Other Services
K.B. 2583'	TEMP
D.F. 2581'	SURVEY
G.L. 2575'	

Date	8/16/2018
Run Number	ONE
Depth Driller	4188'
Depth Logger	4162'
Bottom Logged Interval	4160'
Top Log Interval	0'
Open Hole Size	8 5/8"@ 259'
Type Fluid	WATER
Density / Viscosity	////
Max. Recorded Temp.	136.6
Estimated Cement Top	0'
Time Well Ready	3:00 PM
Time Logger on Bottom	4:40 PM
Equipment Number	T-173
Location	HAYS
Recorded By	A.DREILING
Witnessed By	MR BOB PLANTE

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				

<<< Fold Here >>>

Comments

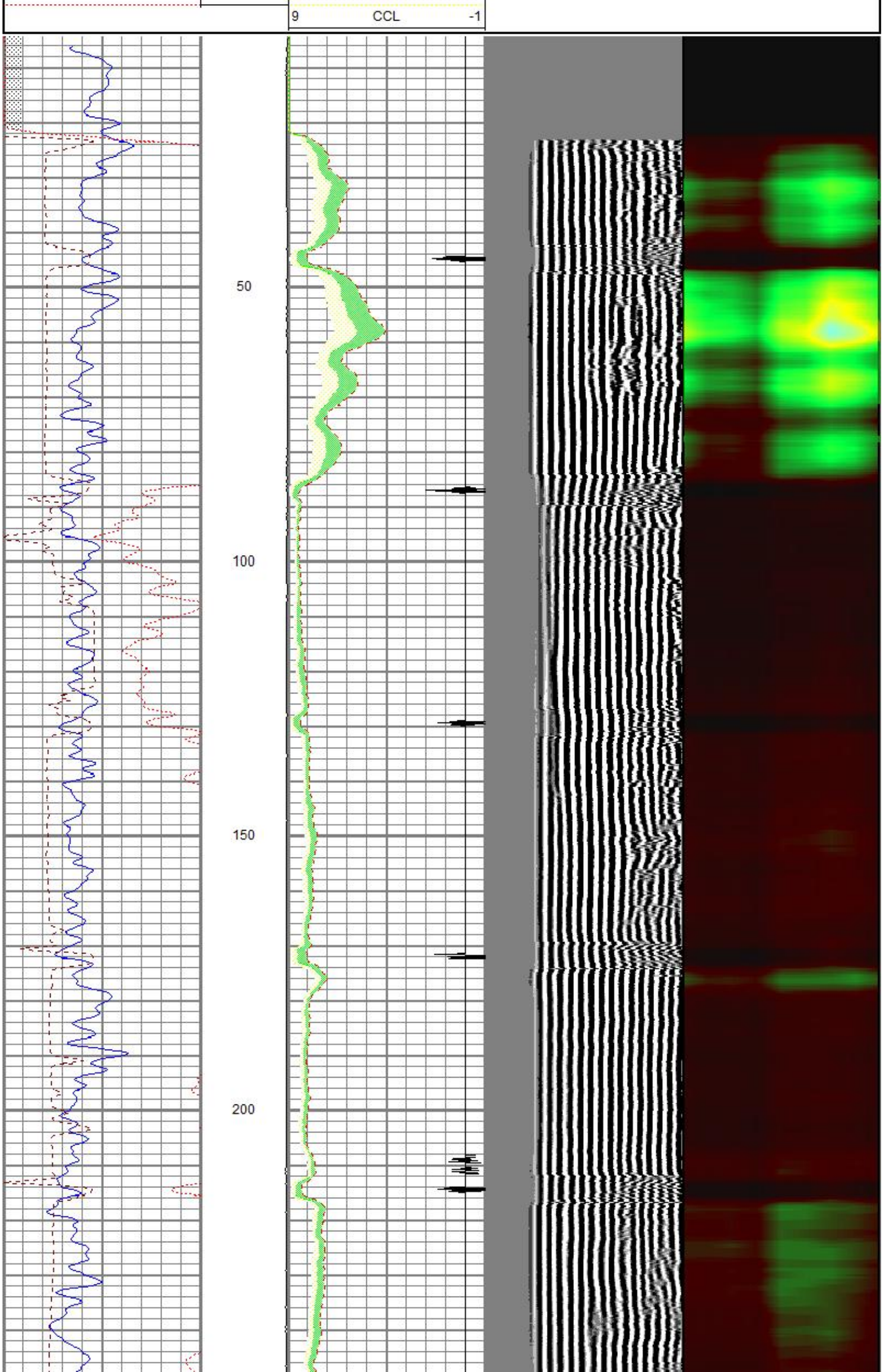
LOG CORRELATED TO ELI DUAL INDUCTION

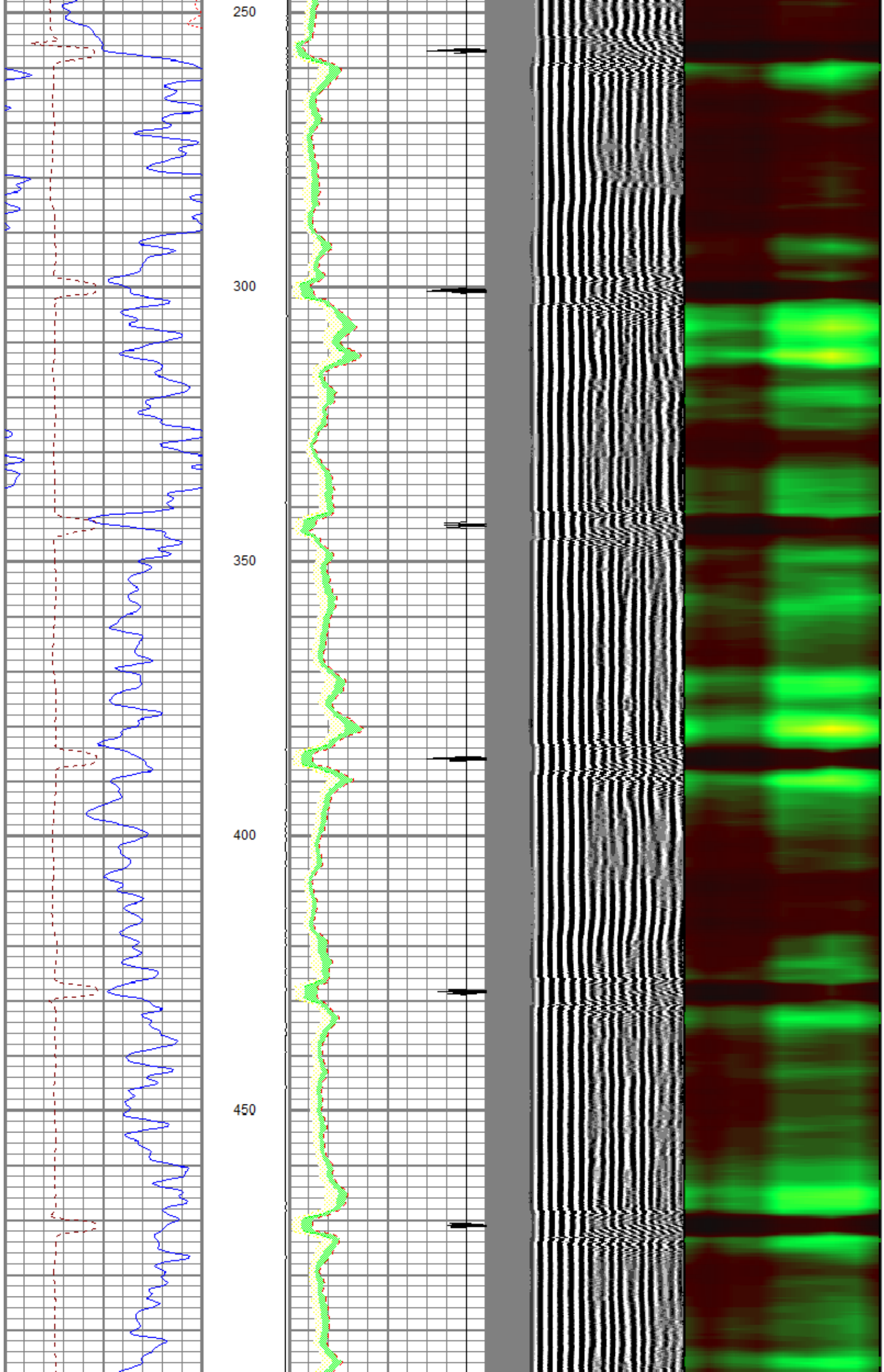
HILL CITY KS.
S TO REDLINE RD.,
W TO 160 RD.,
1N, W AND N INTO
AFTER TANK BATTERY

MAIN PASS

Database File	h-c-bakel-unit-1-15-siw.db
Dataset Pathname	SGRCBL/pass2
Presentation Format	sectorco
Dataset Creation	Thu Aug 16 16:55:41 2018
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	LTEN	0	AMPMAX	100	200	WVF5FT (usec)	1200	1	Sector Map	8
450	TT3FT (usec)	250	(lb)	0	AMPAVG	100						
0	AMP3FT (mV)	100	3999 100	0	AMPMIN	100						


9
CCL
-1
50
100
150
200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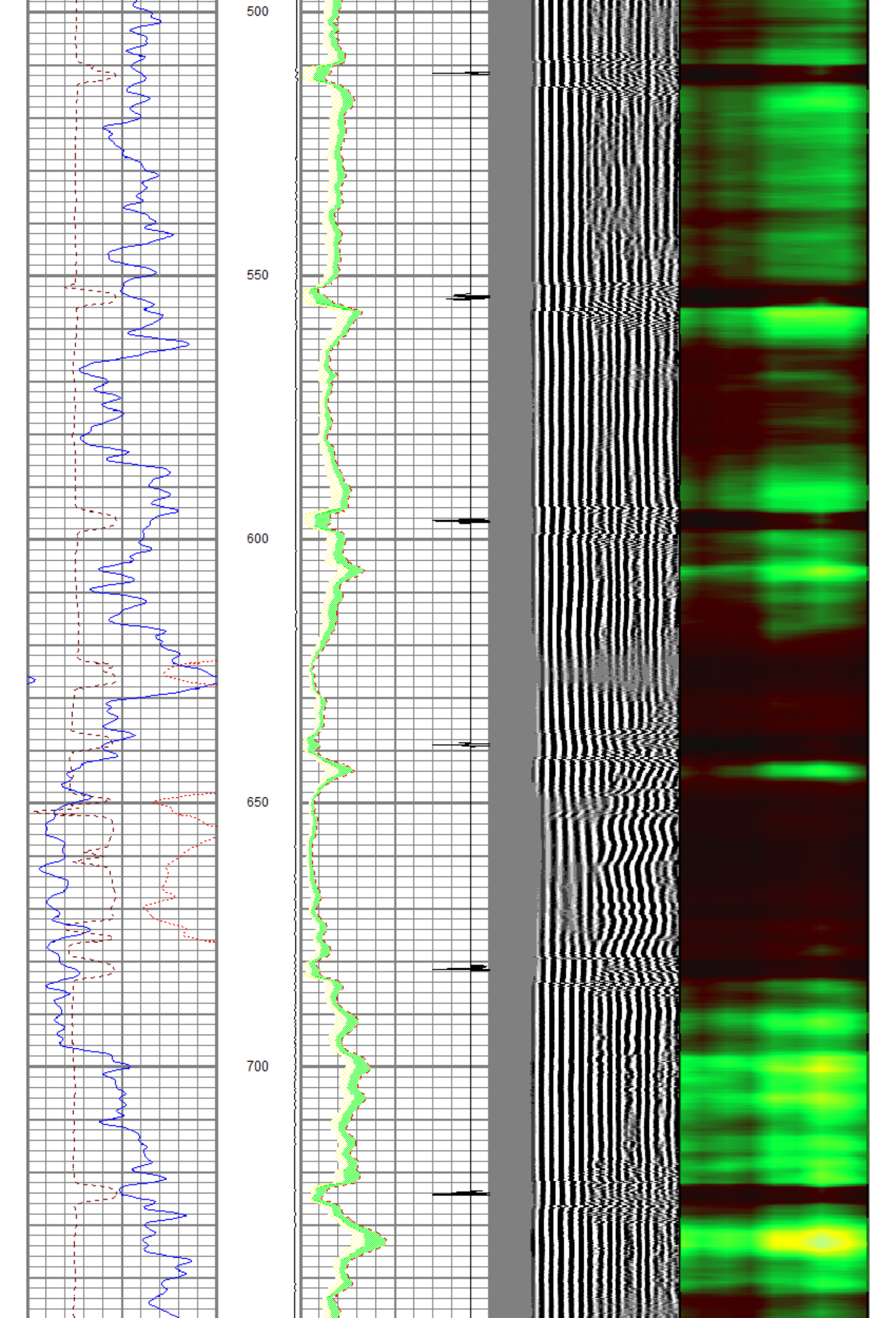
300
350
400
450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650
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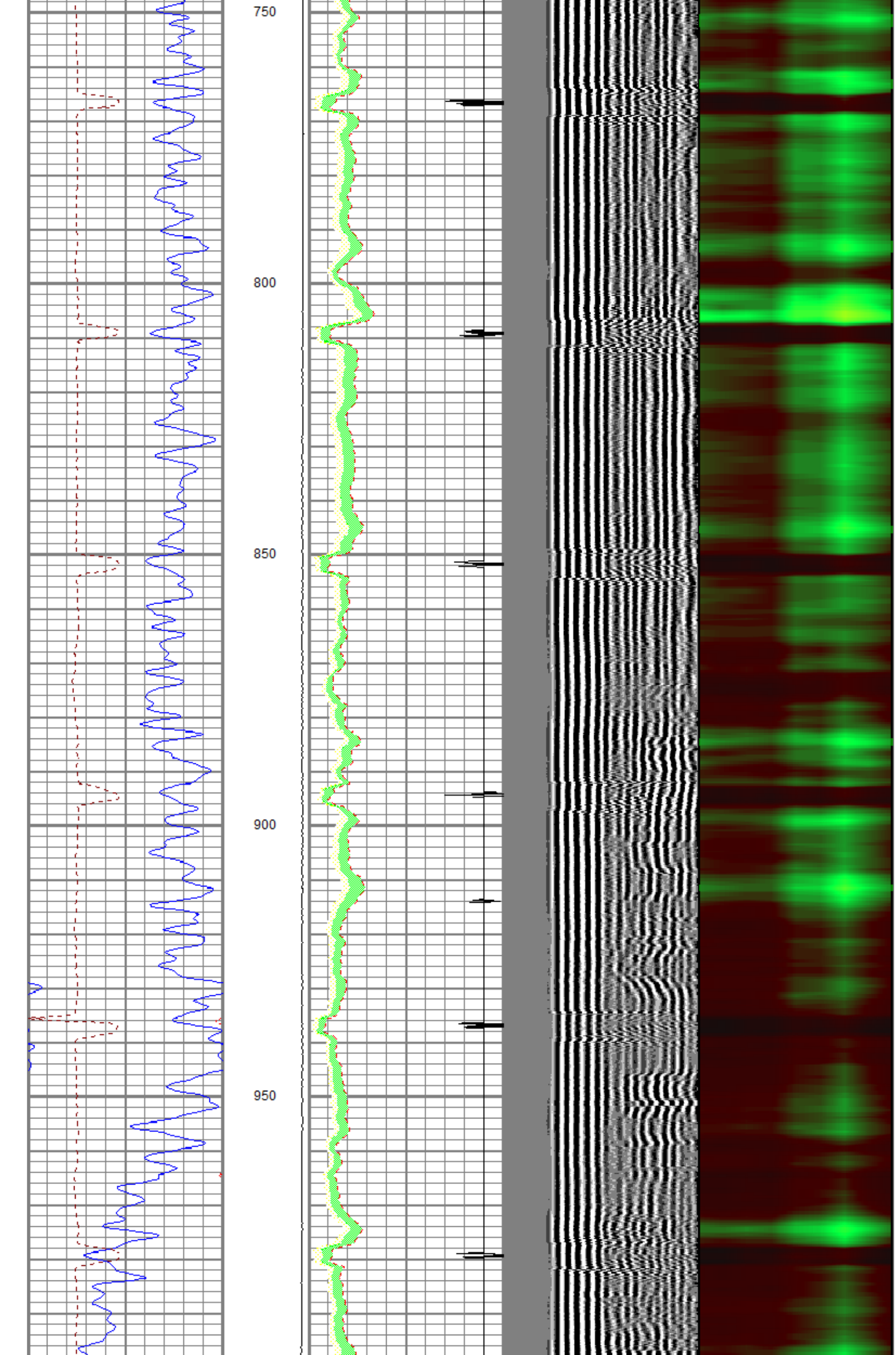
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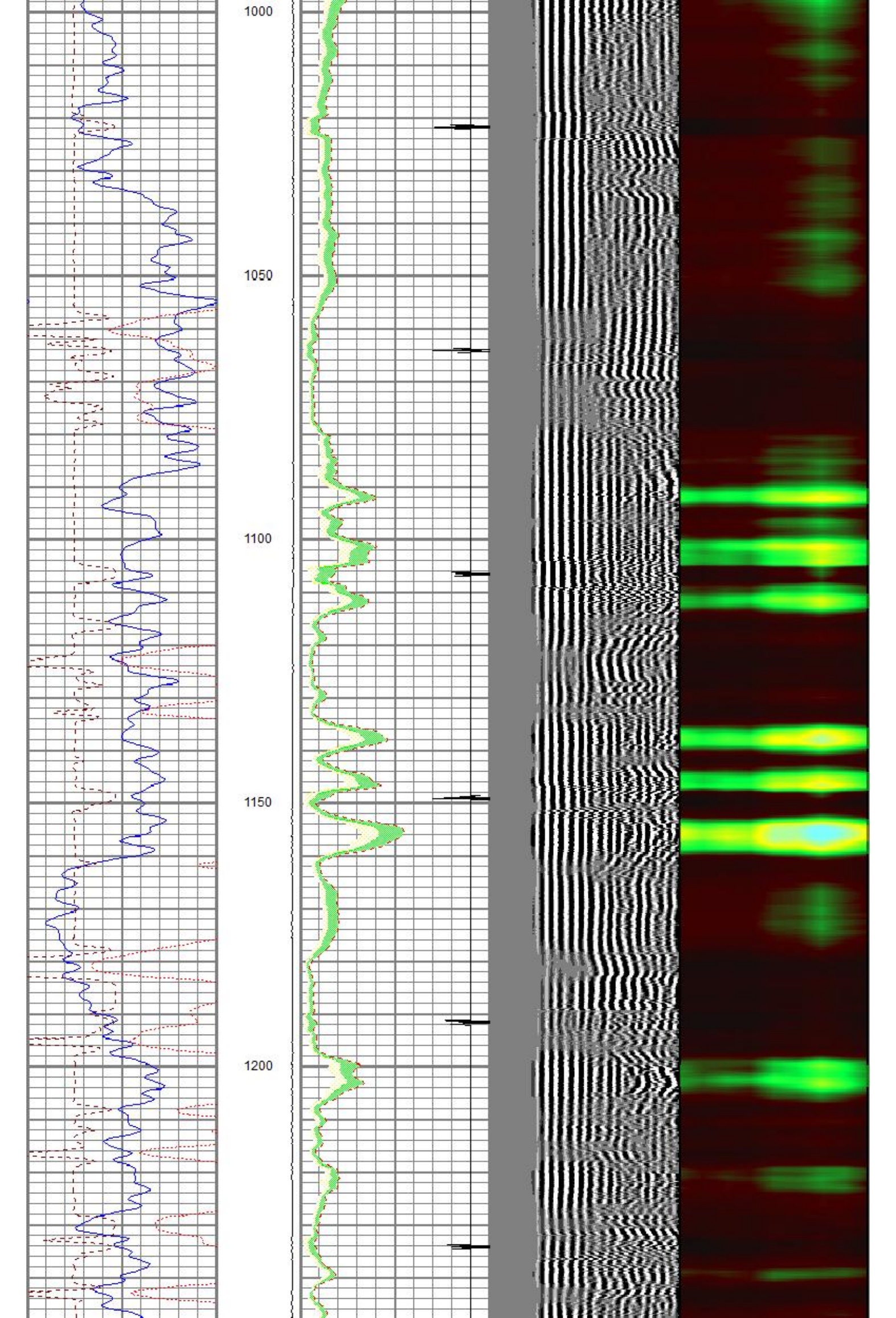
850
900
950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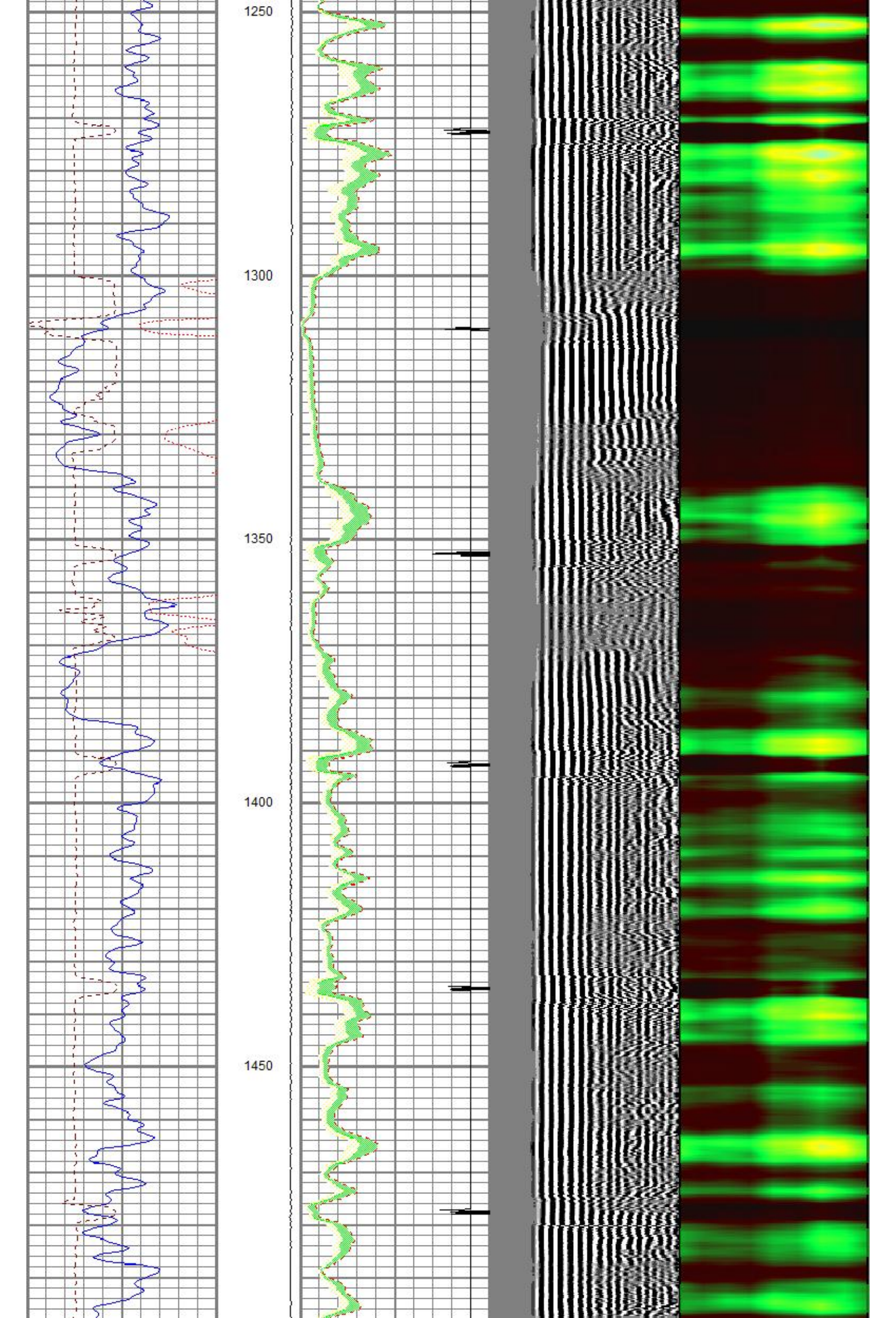
1100
1150
1200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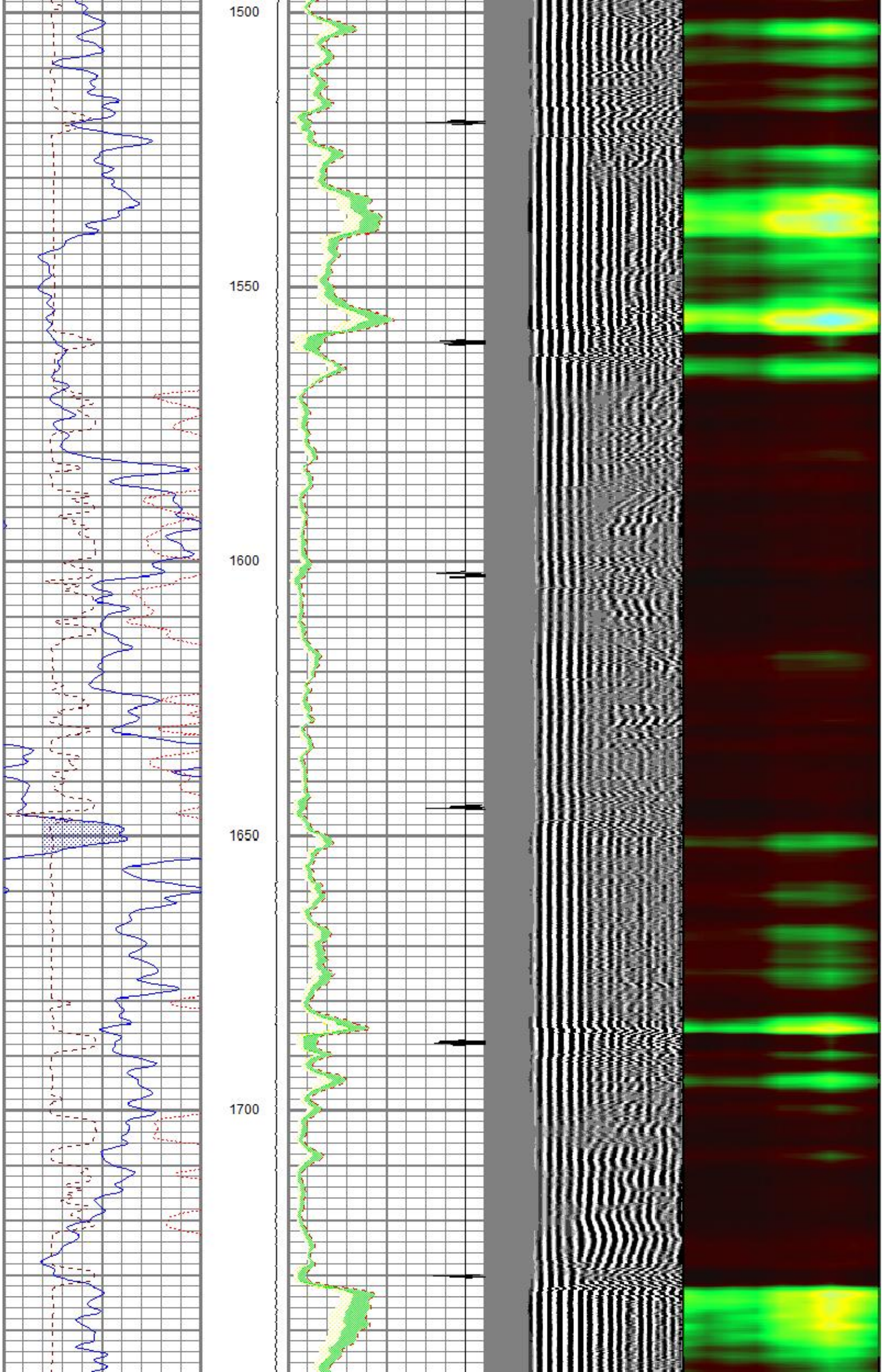
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1650
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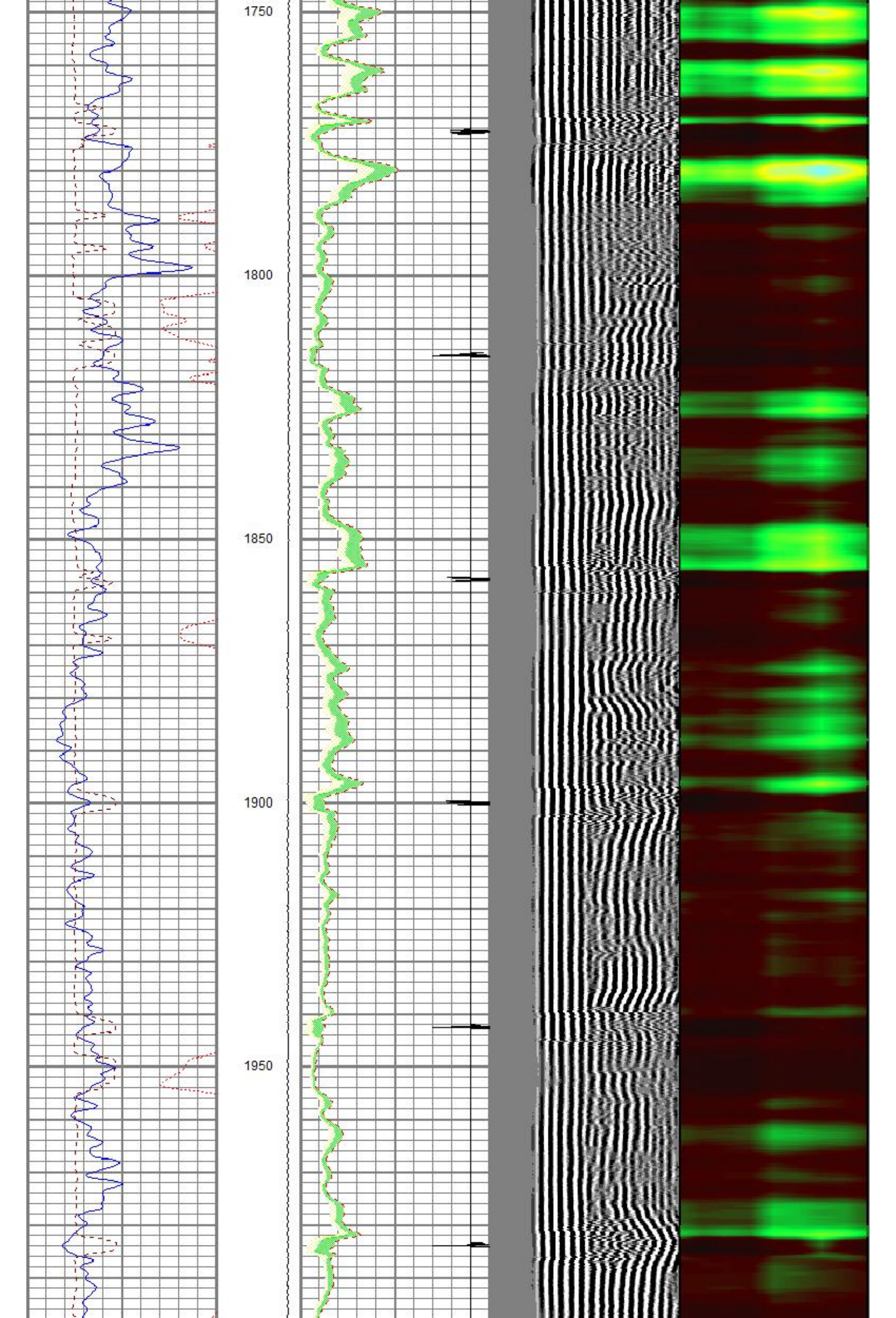
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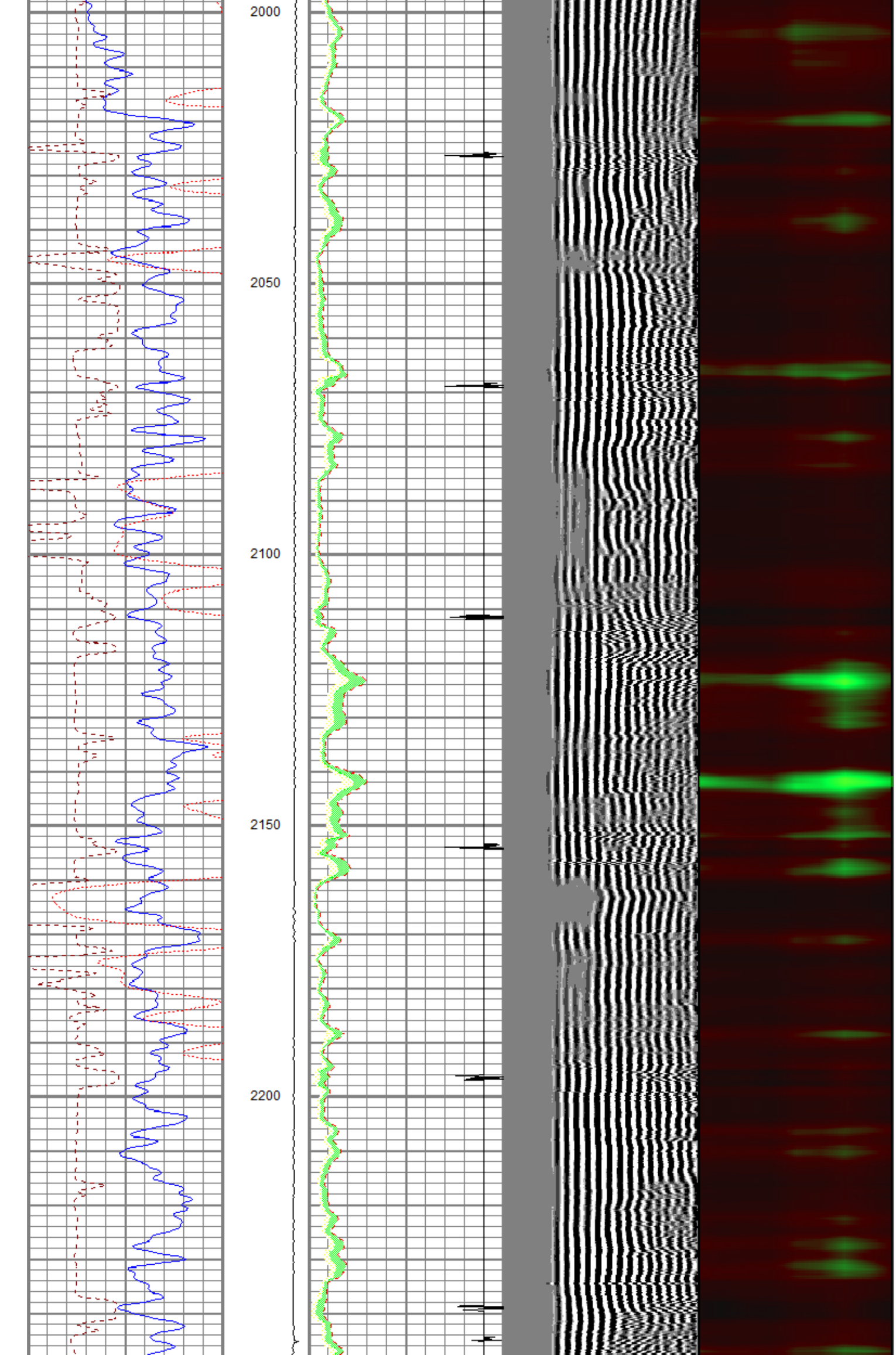
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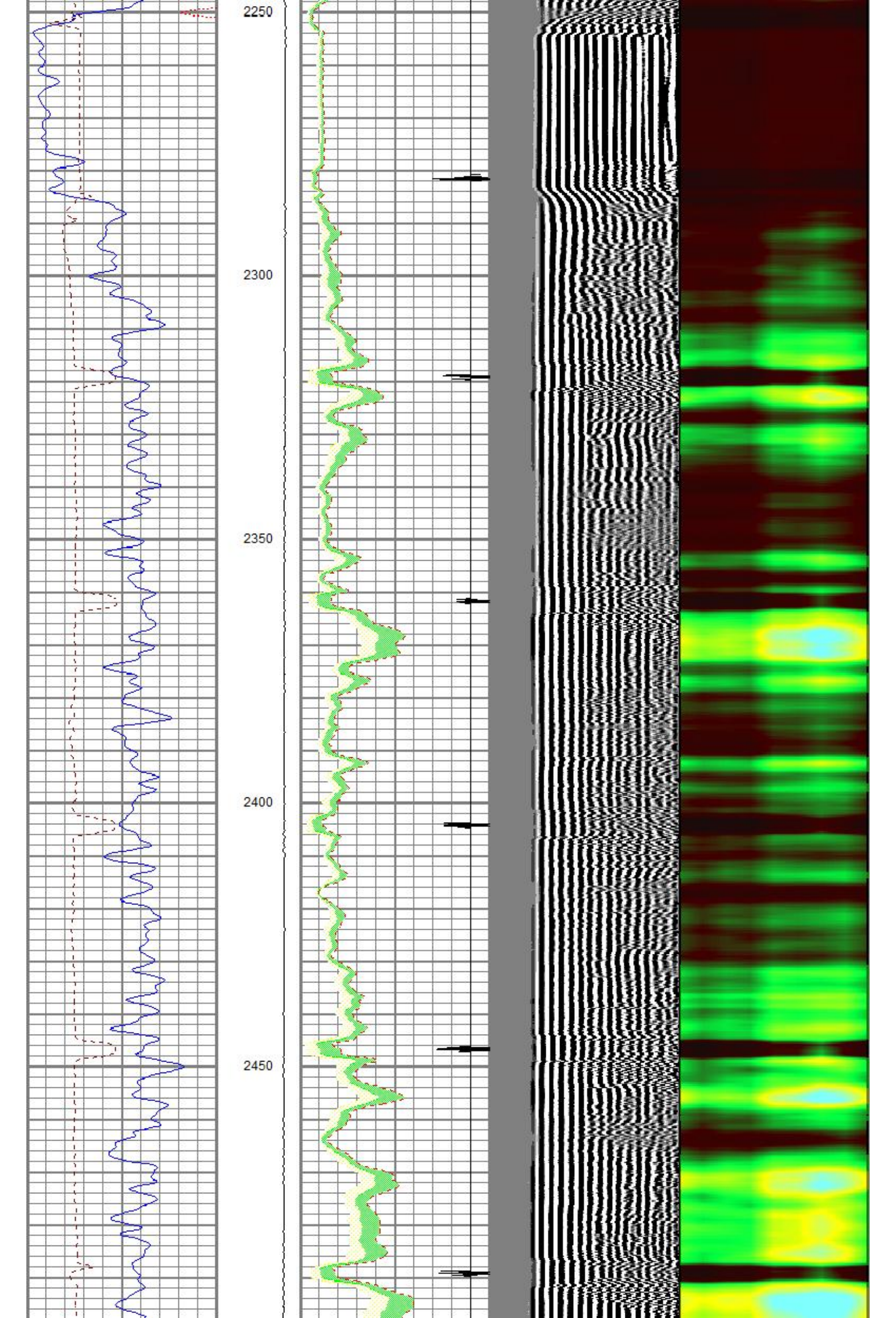
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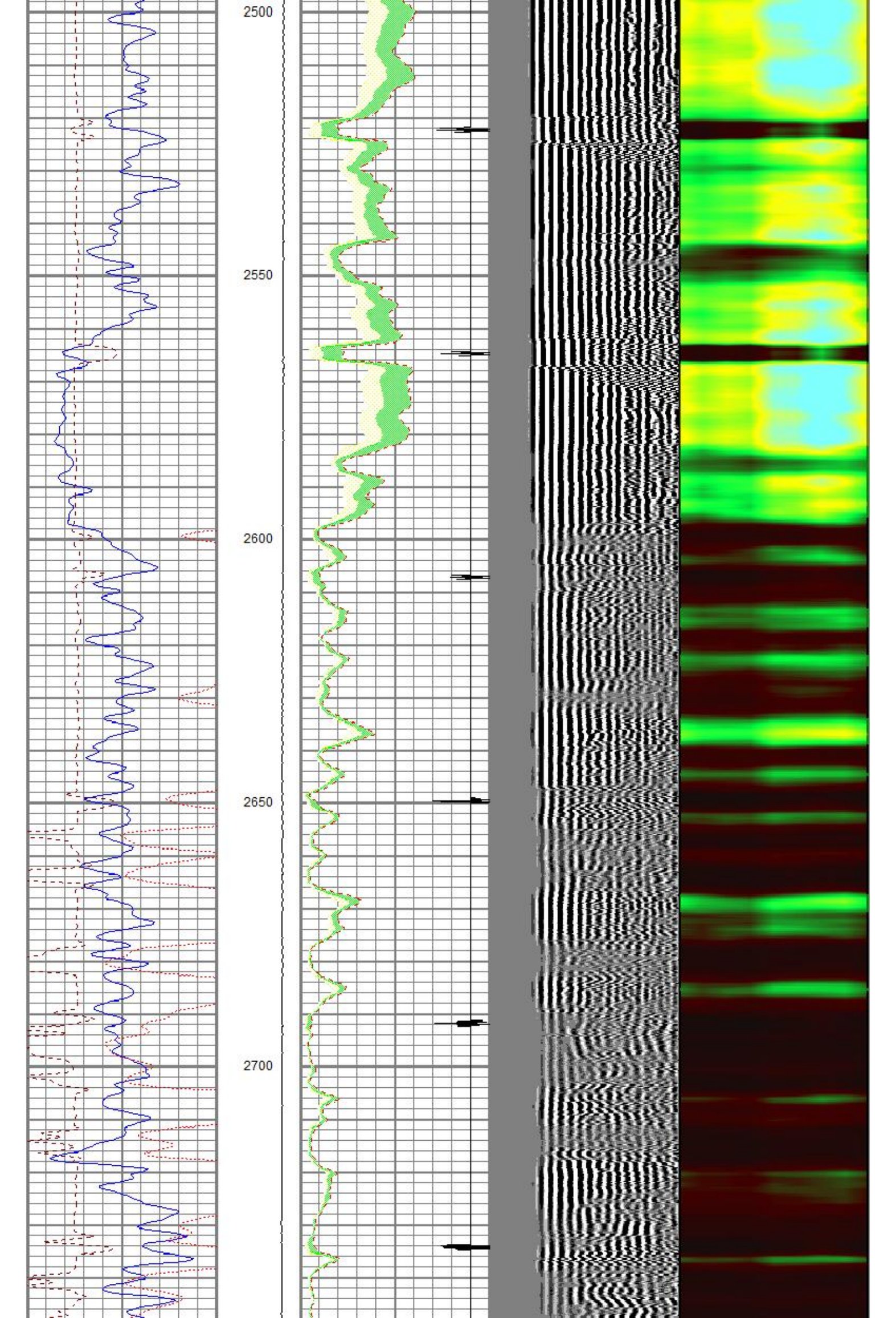
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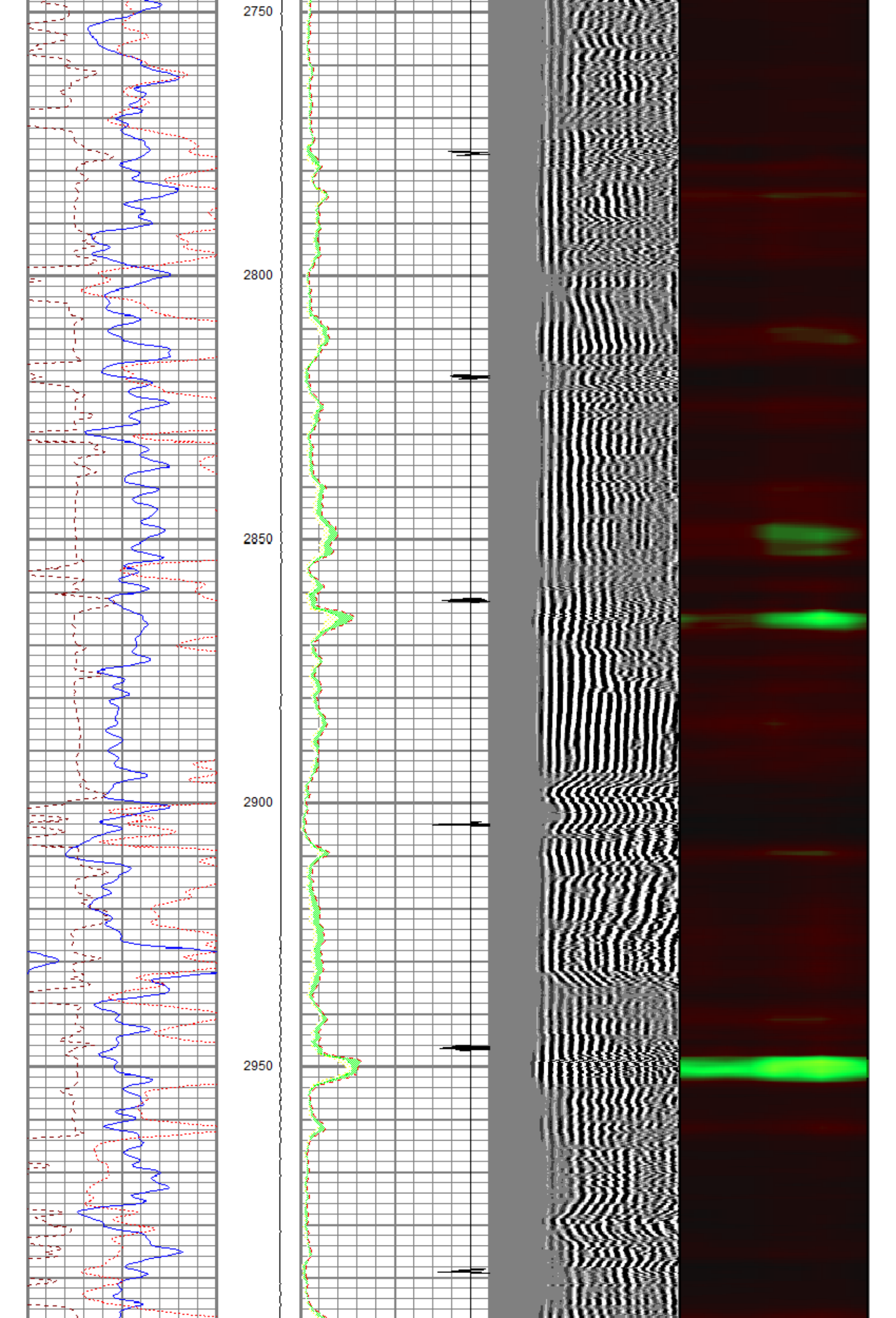
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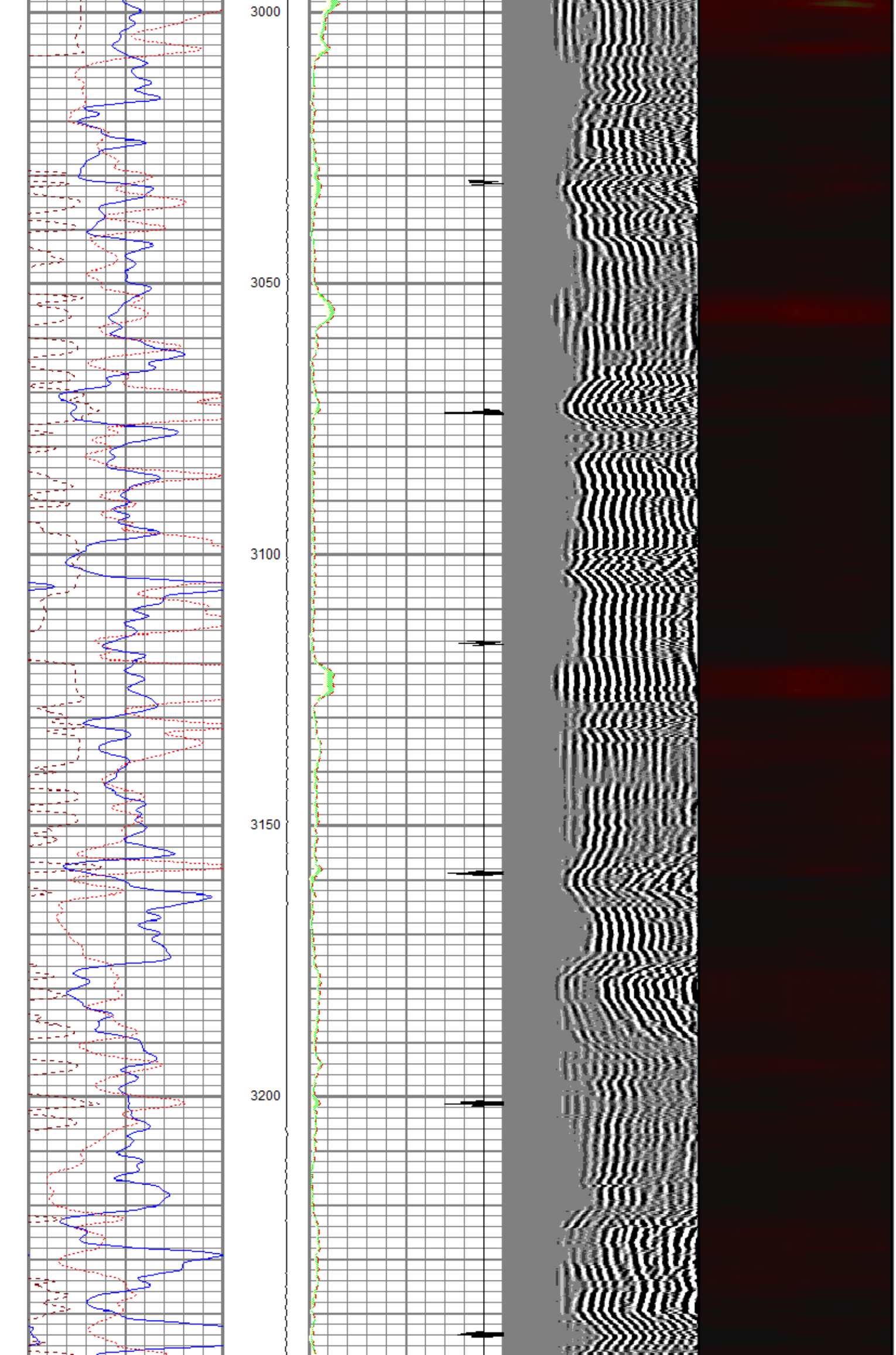
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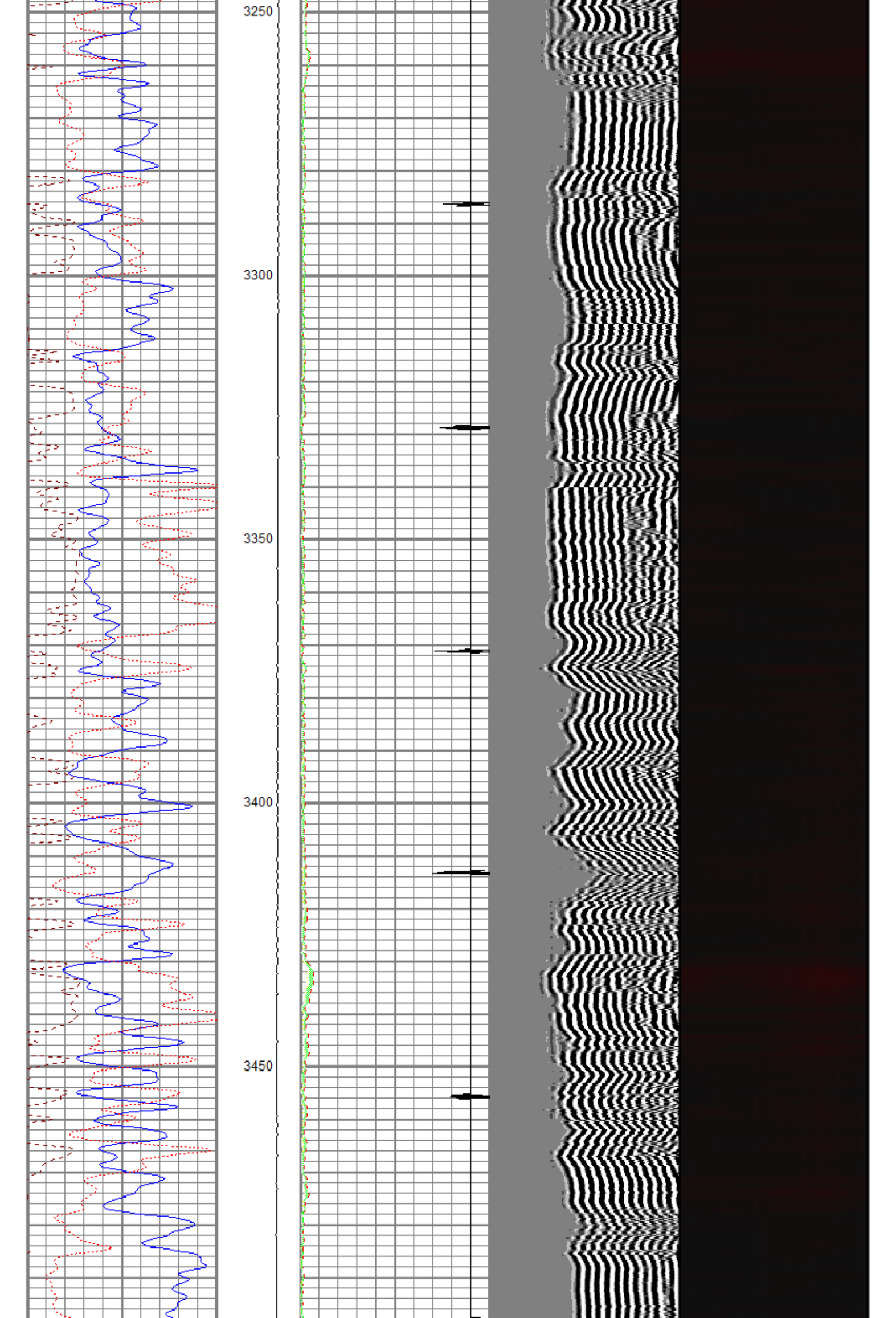
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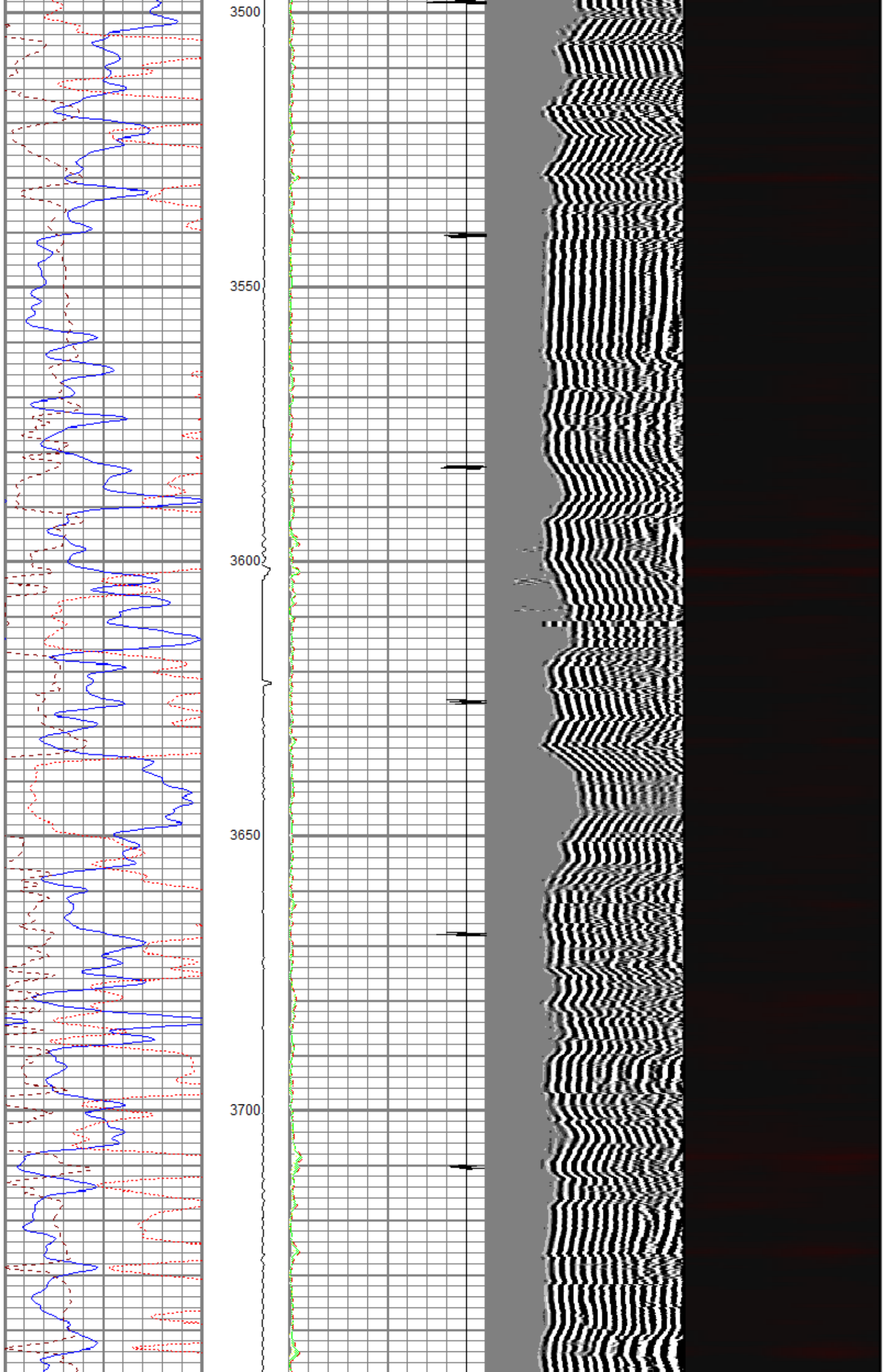
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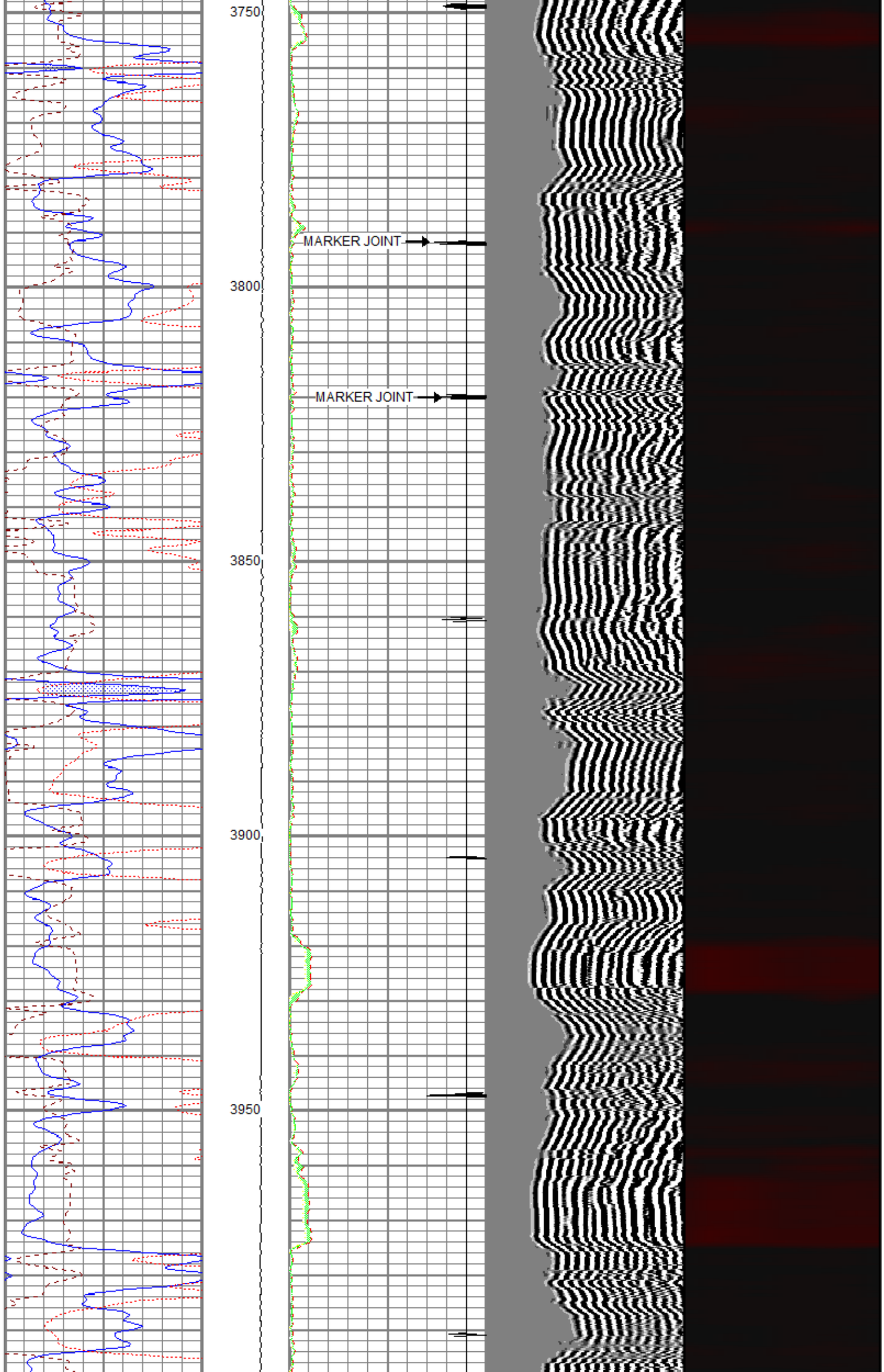
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MARKER JOINT
3800
MARKER JOINT
3850
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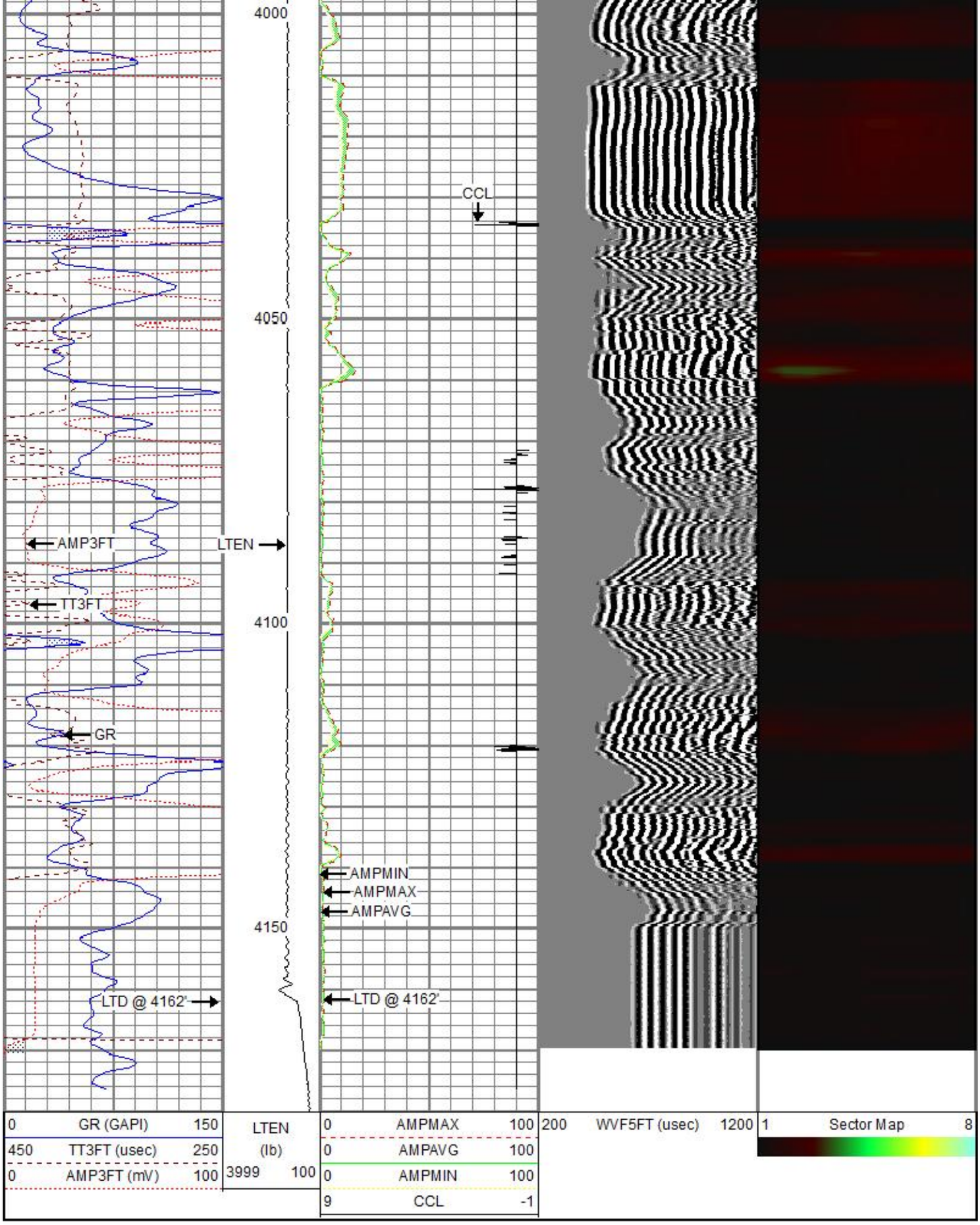
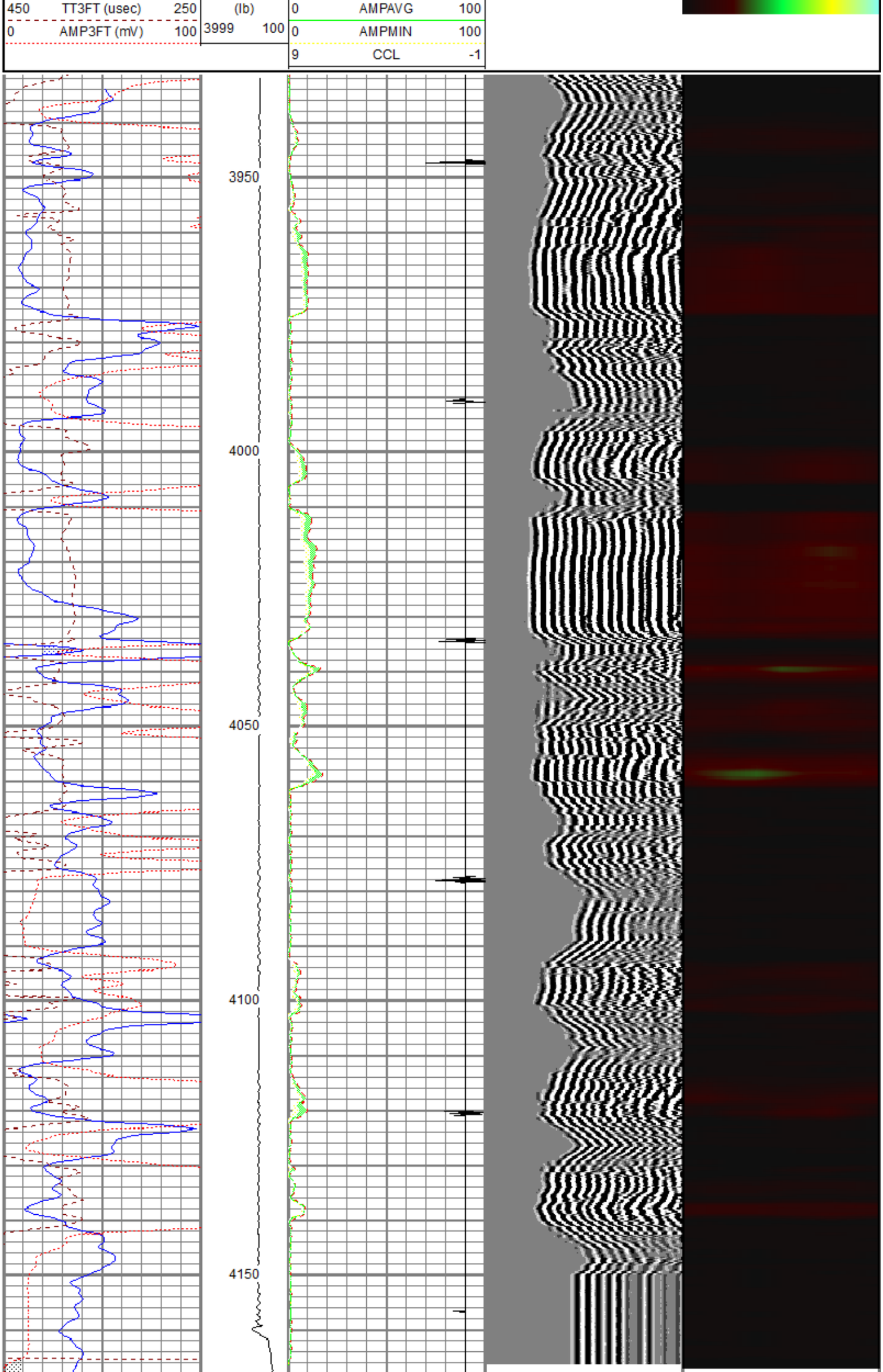
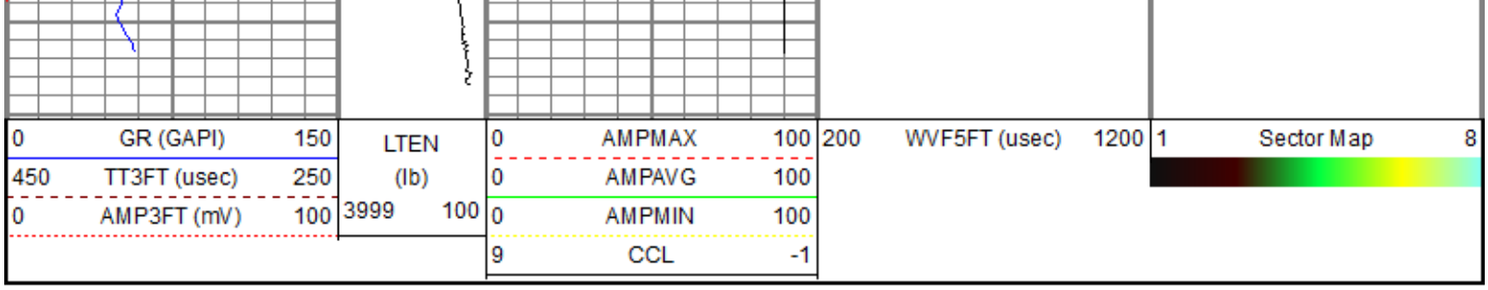


REPEAT SECTION

Database File	h-c-bakel-unit-1-15-siw.db
Dataset Pathname	SGRCBL/pass1
Presentation Format	sectorco
Dataset Creation	Thu Aug 16 16:50:22 2018
Charted by	Depth in Feet scaled 1:240


450 TT3FT (usec) 250
0 AMP3FT (mV) 100
(lb)
3999 100
0 AMPAVG 100
0 AMPMIN 100
9 CCL -1
3950
4000
4050
4100
4150



0	GR (GAPI)	150	LTEN	0	AMPMAX	100	200 WVF5FT (usec) 1200	1 Sector Map 8
450	TT3FT (usec)	250	(lb)	0	AMPAVG	100		
0	AMP3FT (mV)	100	3999 100	0	AMPMIN	100		
				9	CCL	-1		

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
WVFS8	11.63					
WVFS7	11.63					
WVFS6	11.63					
WVFS5	11.63					
WVFS4	11.63					
WVFS3	11.63		RBT-Probe (080321) Prototype Probe Radii Bond Tool with Digital Telemetry	8.33	2.75	90.00
WVFS2	11.63					
WVFS1	11.63					
WVFCAL	11.63					
WVF3FT	11.63					
WVF5FT	10.63		CENT-275 2 3/4" Centralizer	2.94	2.75	10.00
HEADVOLT	7.44					
CCL	3.50					
ACCZ	1.83					
ACCY	1.83		GR-275D_INC (080616) 2-3/4" GR-CCL with Inclination	4.50	2.75	
ACCX	1.83					
GR	0.83					

Dataset: h-c-bakel-unit-1-15-siw.db: field/well/SGRCBL/pass2
Total length: 18.71 ft
Total weight: 110.00 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\h-c-bakel-unit-1-15-siw.db
Dataset field/well/SGRCBL/pass2/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft
TEMP	7.875	100	5.5	0	11.5	0	1	0.8

PERFS	PPT usec	SRFTEMP degF	TDEPTH ft
0	0	0	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