



GEOFRAME
PROCESSED
INTERPRETATION

CMR Plus
Environmental Corrected

*A Mark of Schlumberger

Using the following logs:

CMR+-PPC

COMPANY: JAMSTEC

WELL: C0020A

FIELD: C0020

County:

Pref. Aomori

COUNTRY: Japan

Date Logged: 2012/09/09

Date Processed:

Well Location: Shimokita-oki

X= 600698.8 M

Elevations: KB: 28.5m

DF: 28.5m

GL: -118m

API Number:

Job Number:

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

Any interpretation, research, analysis, data, results, estimates, or recommendation furnished with the services or otherwise communicated by Schlumberger to the customer at any time in connection with the services are opinions based on inferences from measurements, empirical relationships, and/or assumptions; which, inferences, empirical relationships and/or assumptions are not infallible and with respect to which professionals in the industry may differ. Accordingly, Schlumberger cannot and does not warrant the accuracy, correctness, or completeness of any such interpretation, research, analysis, data, results, estimates, or recommendation. The customer acknowledges that it is accepting the services "as is," that Schlumberger makes no representation or warranty, express or implied, of any kind or description in respect thereto, and that such services are delivered with the explicit understanding and agreement that any action taken based on the services received shall be at its own risk and responsibility, and no claim shall be made against Schlumberger as a consequence thereof.

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Field Recording:	Location: JPOP	Software Version: 19C1-222	Engineer: Liu Jie/Montague/Kang Yc
Office Recording:	ICS Center:	Baseline: RHEL5.4 GF4.5 DC6	Log Analyst: Tadahiro NAGANO

Mud and Borehole Measurements:

Rm @ Measured Temperature: 0.082ohm.m @ 24.6degC	BHT: 47.8degC	Bitsize: 10.625in
Rmf @ Measured Temperature: 0.0728ohm.m @ 23.3degC	Type Fluid in Hole:	KNPPmud
Rmc @ Measured Temperature: 0.0949ohm.m @ 25.6degC	Mud Density: 0g/cm3	

Remarks:

Default parameters were used to estimate the permeabilities.

Density porosity was optimized based on Wyllie's equation.

			Small Pore Porosit		
			Capillary Bound FI		
<div>WaitTim</div> <div>BadHole</div>	RXOZ		Density Porosity		
	0.1	(ohm.m) 1000	1 (m3/m3) 0		
	HRLA 5		Bulk Density		
	0.1	(ohm.m) 1000	0 (g/cm3) 2.65		
	HRLA 4		Delta Rho		
	0.1	(ohm.m) 1000	-0.25 (g/cm3) 0.25		
	HRLA 3		PEF		
	0.1	(ohm.m) 1000	0 () 10		
	HRLA 2		Neutron Porosity		
	0.1	(ohm.m) 1000	1 (m3/m3) 0		
	HRLA 1		CMFF_TAPER_LogTrac		
	0.1	(ohm.m) 1000	1 (m3/m3) 0		
Moderat	GR	0 (gAPI) 150	Taper K-Timur/Coat	CMFF_LogTrace	T2 Distribution
			0.1 (mD) 1000	1 (m3/m3) 0	0 () 29
HiNoise	Caliper	10 (in) 15	K-Timur/Coates	CMRP_3MS_LogTrace	T2 Log Mean
			0.1 (mD) 1000	1 (m3/m3) 0	0.3 (ms) 3000
MD 1 : 200 m	BS	10 (in) 15	K-SDR	TCMR_LogTrace	T2 CutOff
			0.1 (mD) 1000	1 (m3/m3) 0	0.3 (ms) 3000
<div><div>Data Source:</div><div>CAL_CMV_051PUP [S47744]</div><div>Data Sampling Rate (m):</div><div>0.1905</div><div>Cartridge/Sonde Numbers:</div><div>215/-1</div><div>CMR-Plus Logging Mode:</div><div>Expert Depth Log - B Mode</div></div>					
Parameter Summary:					
<div><div>Estimated Polarization Time (s):</div><div>6.197</div><div>0.02</div><div>Acquisition Idle Time (s):</div><div>1.64</div><div>0.02</div><div>Echo Spacing (us):</div><div>200</div><div>200</div><div>Number of Echoes:</div><div>3000</div><div>30</div><div>Repetition Count:</div><div>1</div><div>10</div><div>Regularization:</div><div>Auto</div></div>					
<div><div>Porosity Algorithm:</div><div>Total CMR Porosity</div><div>Polarization Correction:</div><div>On</div><div>Starting Echo:</div><div>First</div><div>EPM Processing:</div><div>On</div><div>Raw Echo Despiking:</div><div>Off</div><div>Short EPM Time Sequence:</div><div>Use Short</div><div>Offset Filter:</div><div>Off</div><div>Averaging Option:</div><div>Equal Weights</div><div>T2 Speed Correction:</div><div>Off</div><div>Averaging Levels:</div><div>3</div><div>Logging Speed (m/h):</div><div>From CS Array</div></div>					
<div><div>T2 Minimum (ms):</div><div>0.3</div><div>T2 Maximum (ms):</div><div>3000</div><div>Number of Components:</div><div>30</div><div>T2 Peak Search Maximum (ms):</div><div>750</div></div>					

Timur/Coates PHIT Exponent:4

Timur/Coates PHI Ratio Exponent:2

Bound Fluid Minimum (m3/m3):0.02

T1/T2 Ratio Minimum:1

T1/T2 Ratio Maximum:3

Polarization Corr Threshold (m3/m3):0.015

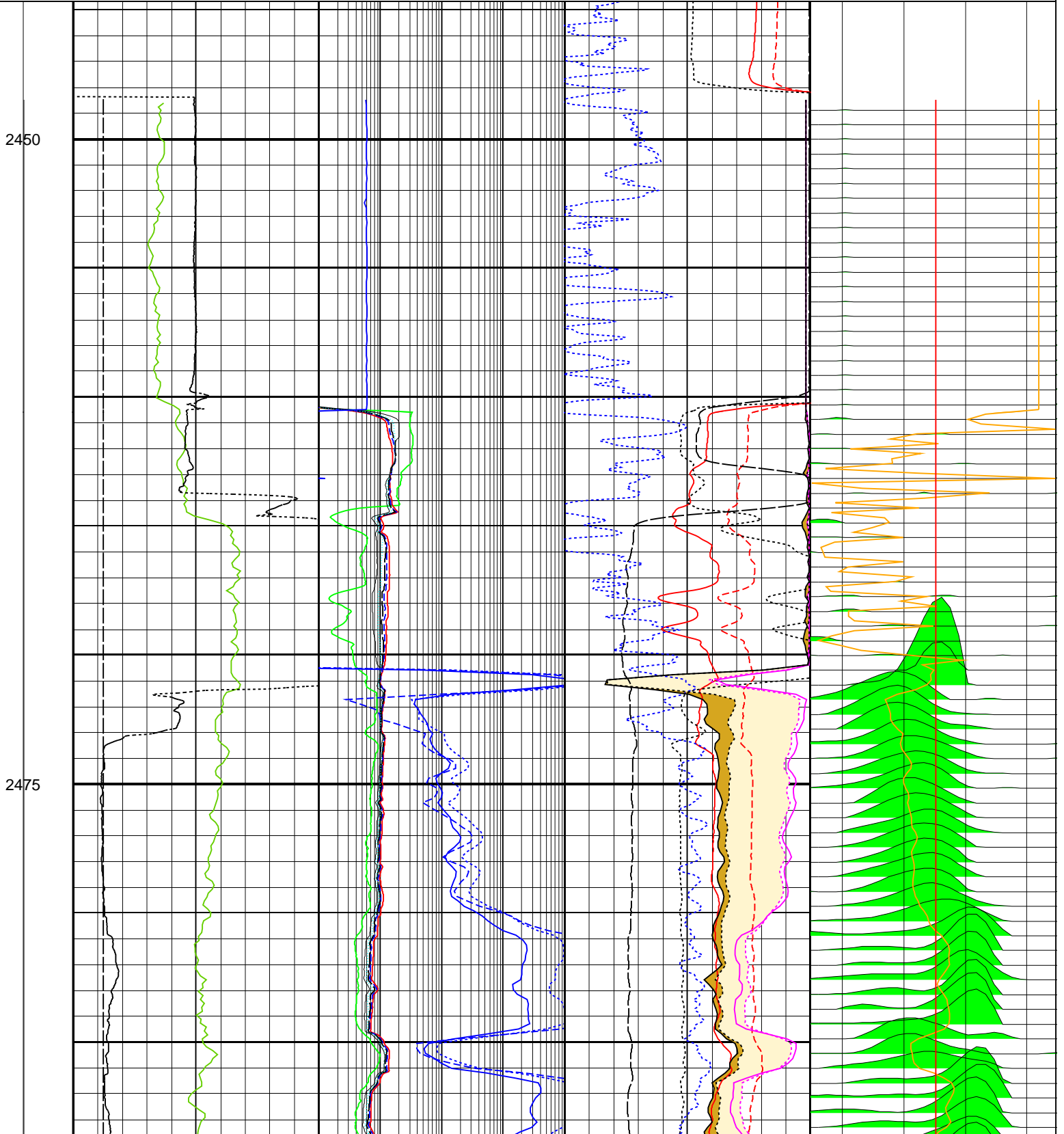
Bin Porosity Cutoffs (ms):0.313103310030010003000

SDR PHIT Exponent:4

SDR T2Log Exponent:2

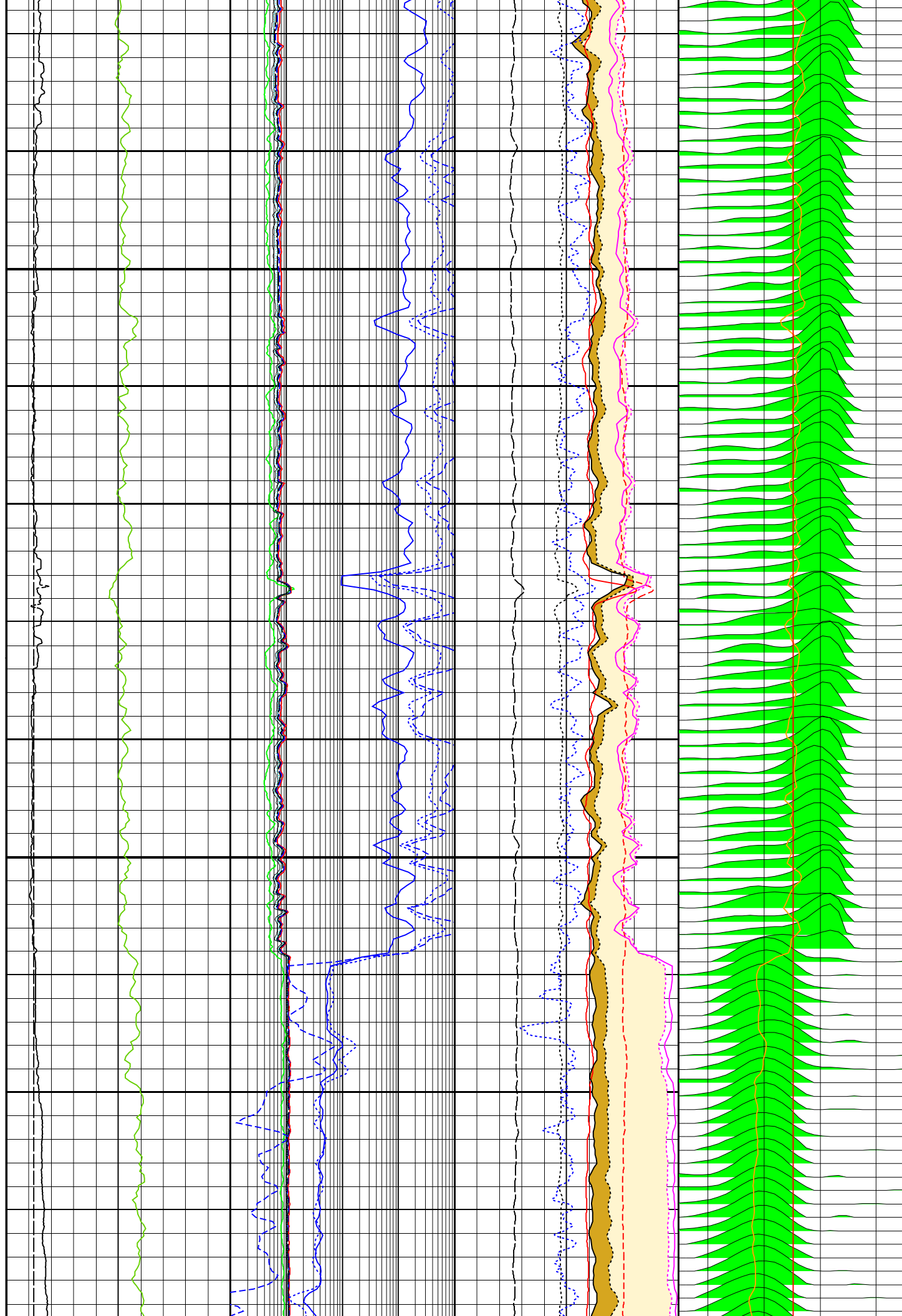
Porosity Threshold (m3/m3):0.5

T2 Threshold (ms):10



2500

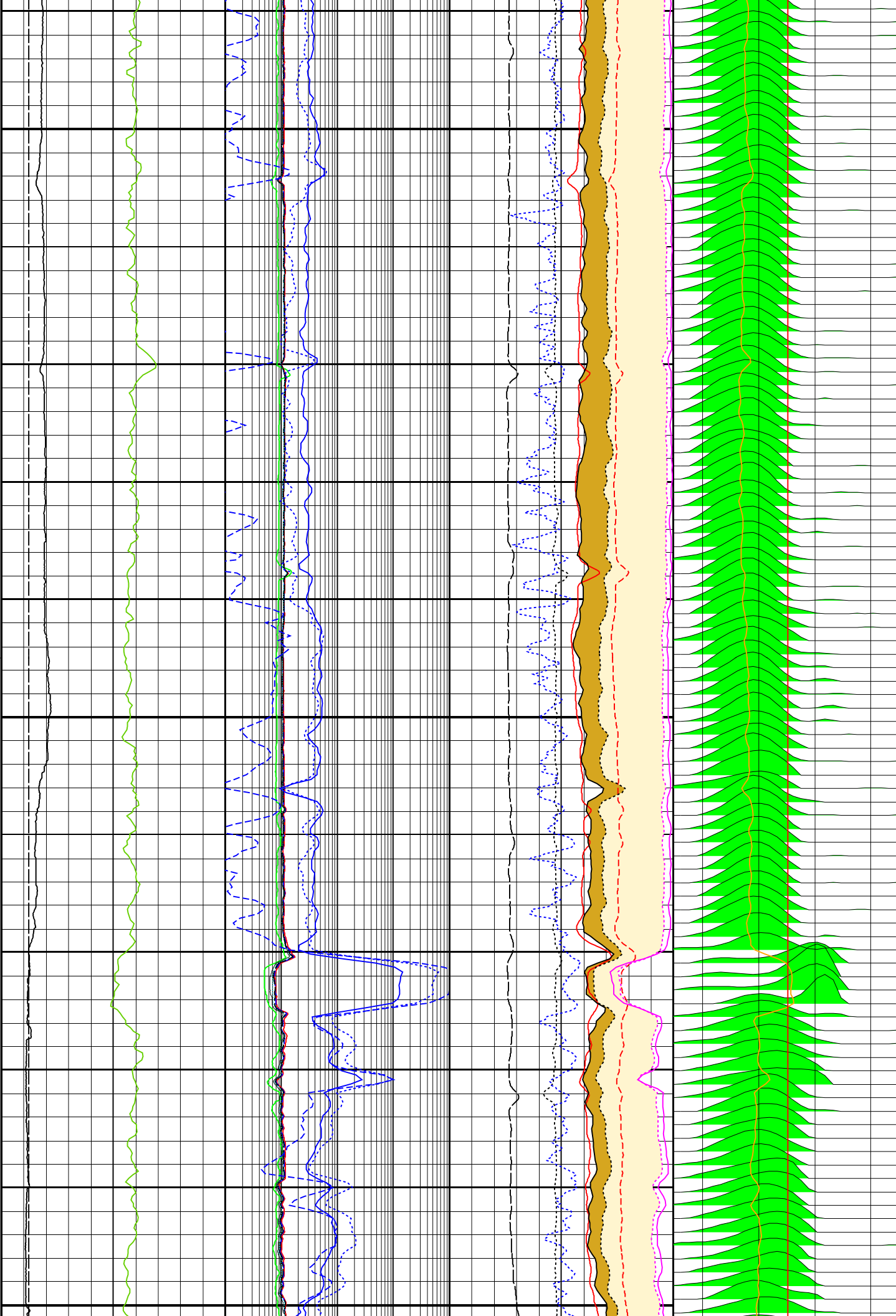
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2550

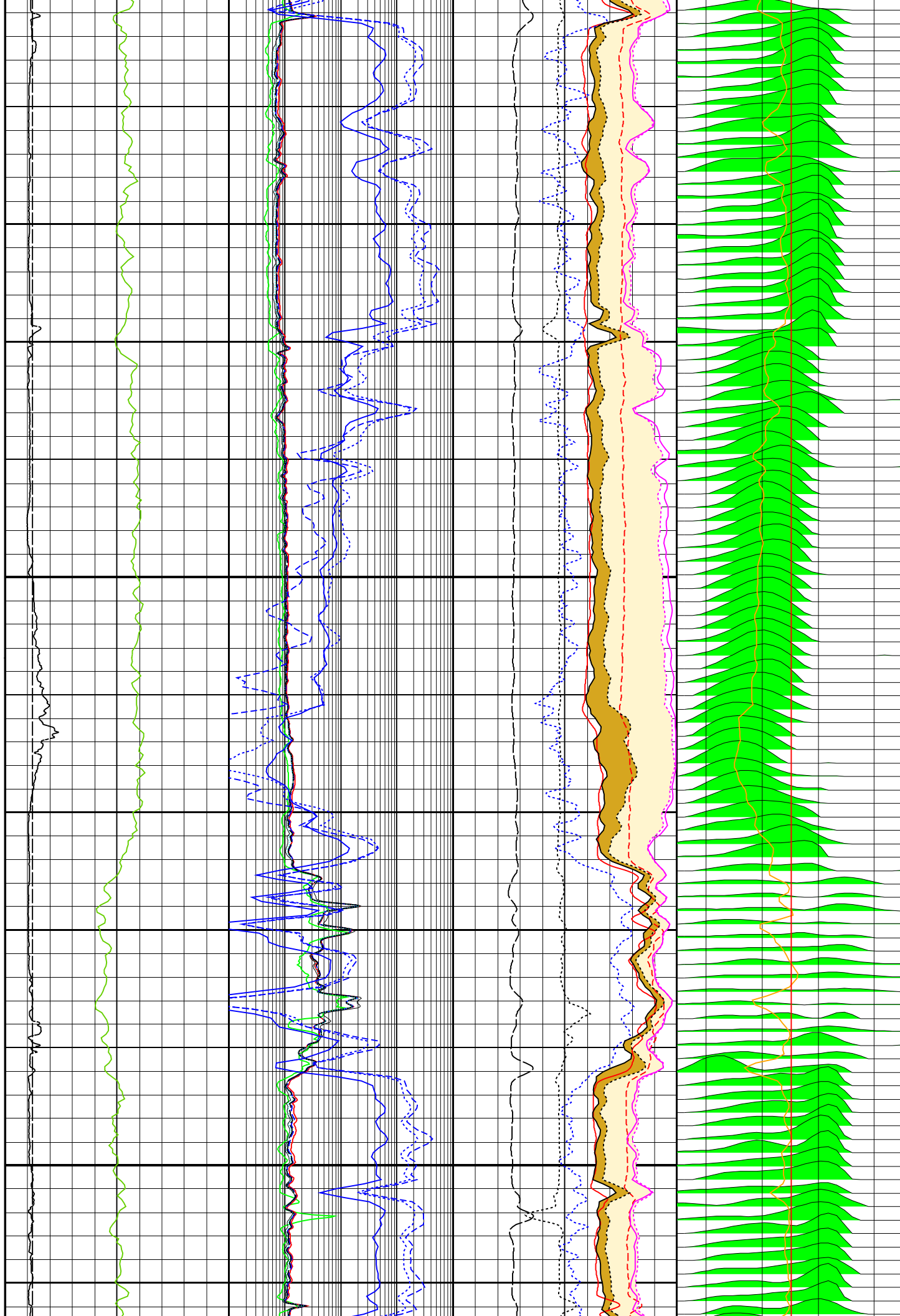
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2600



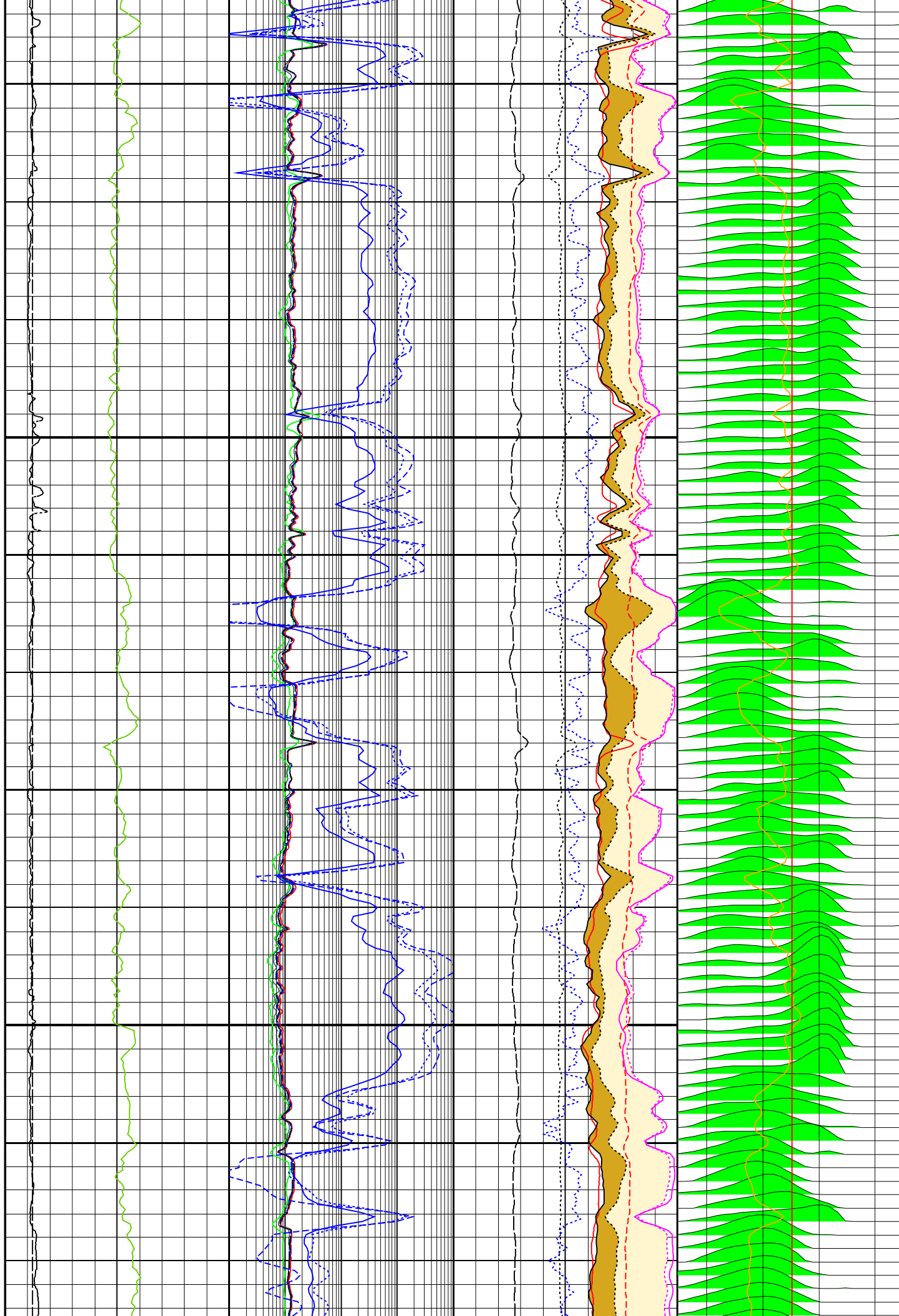
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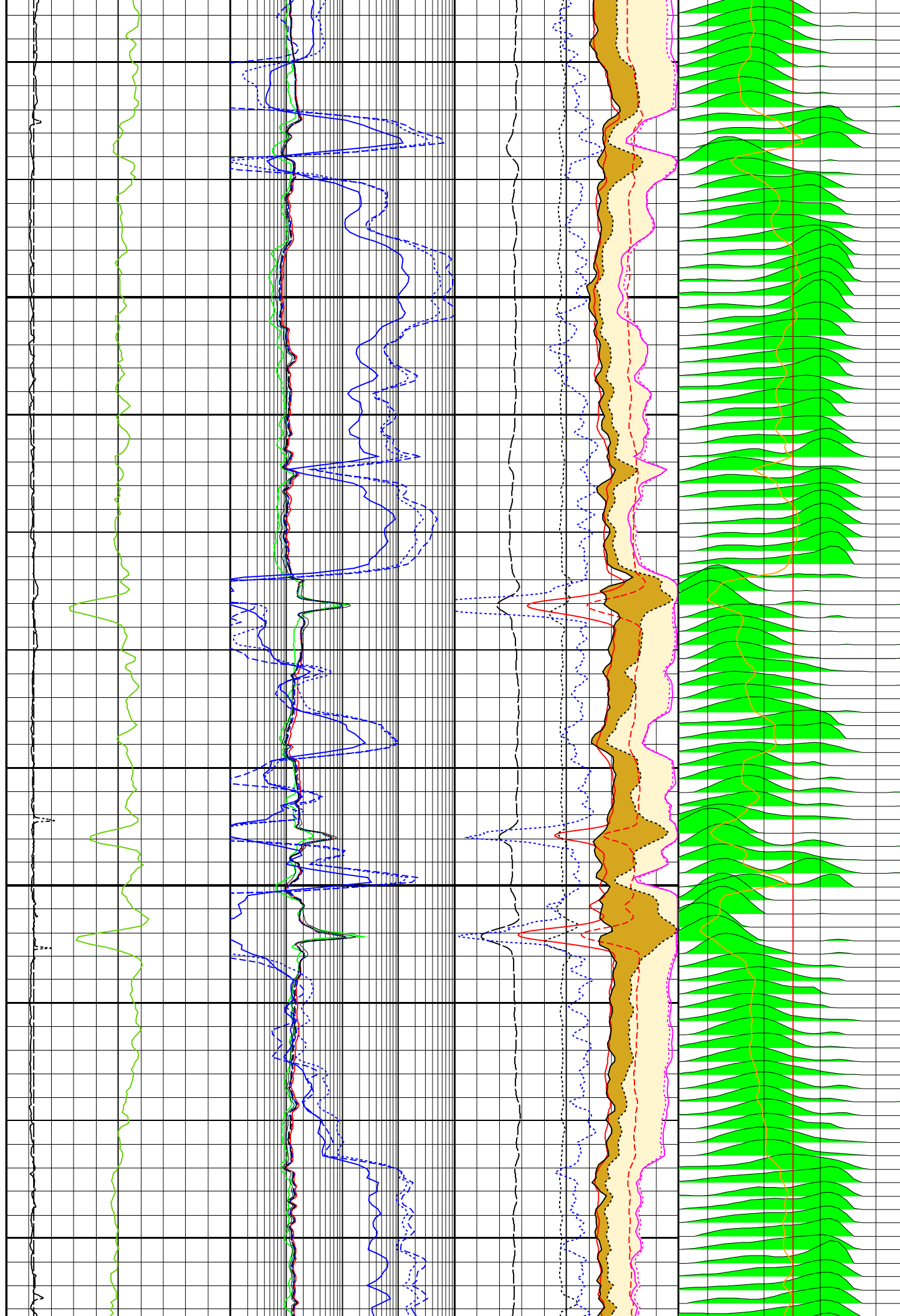
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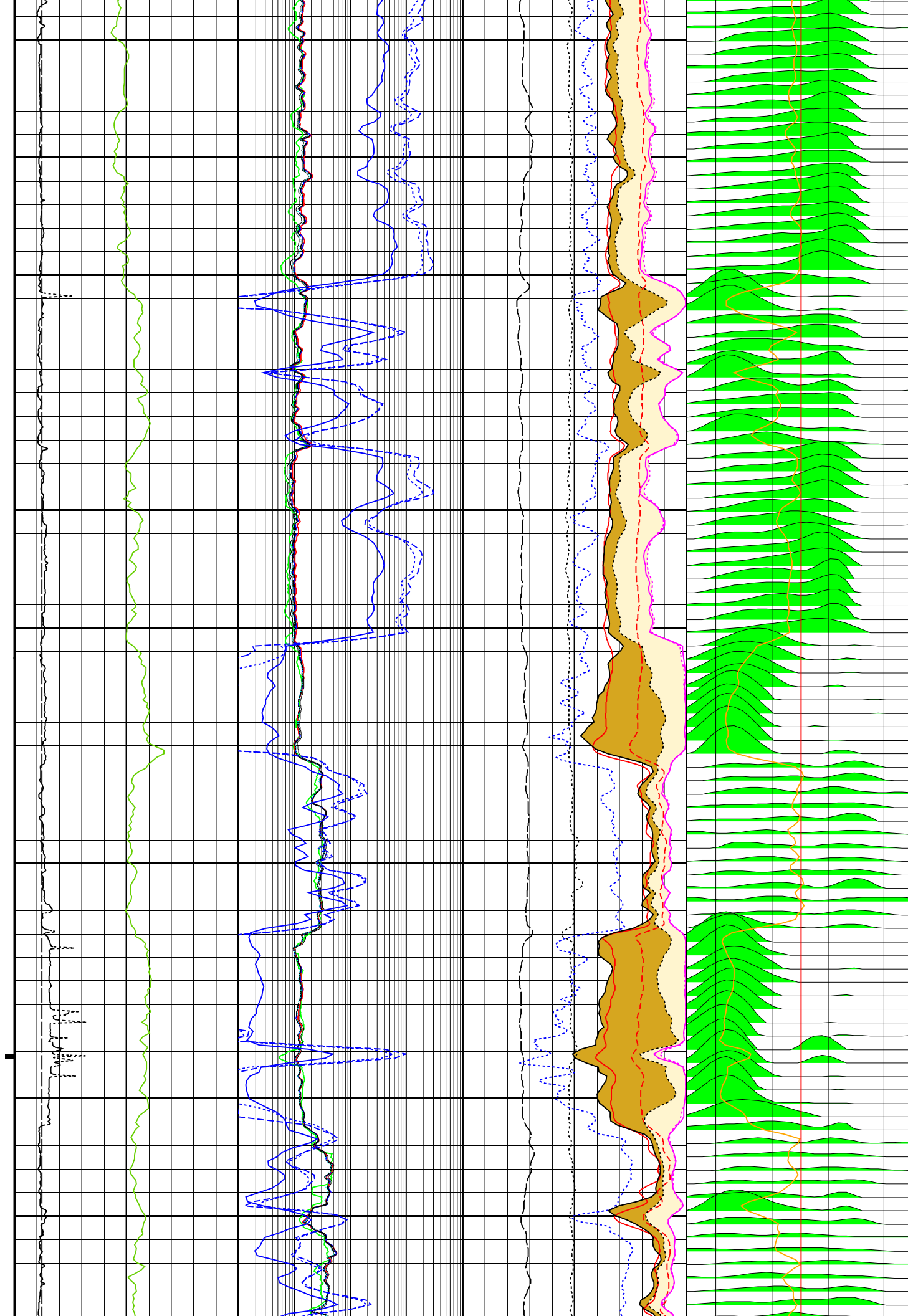
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2775

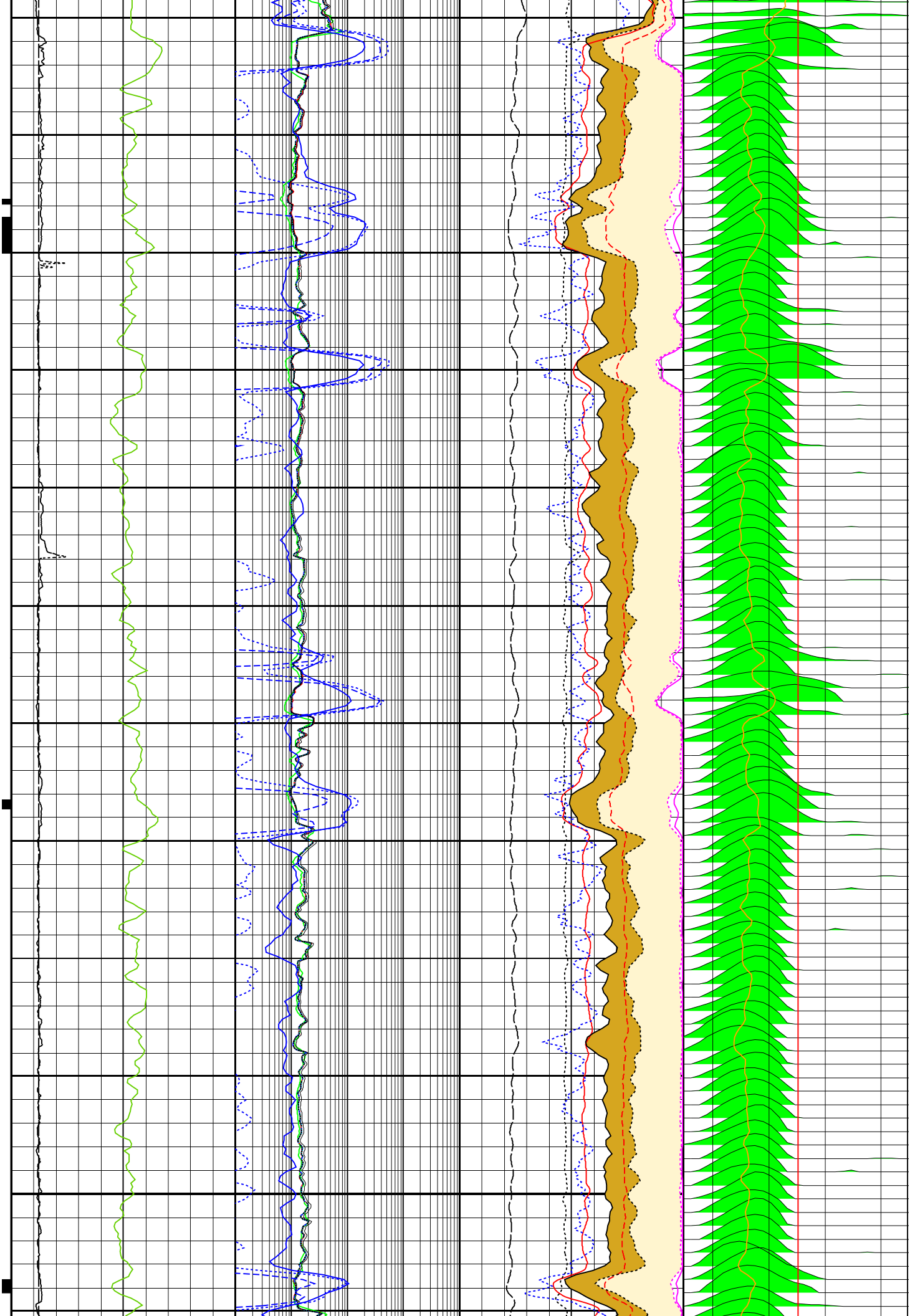
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2825

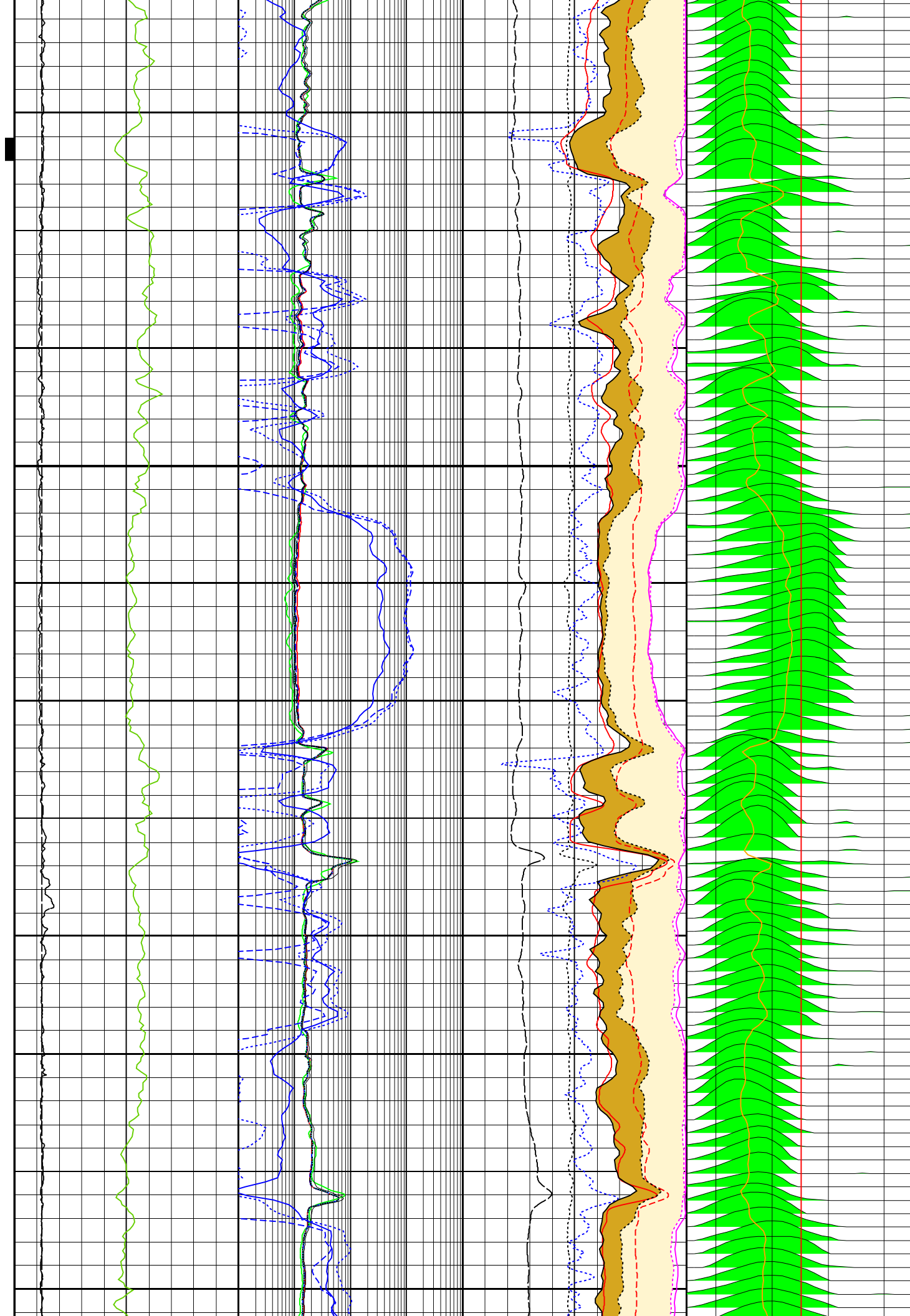
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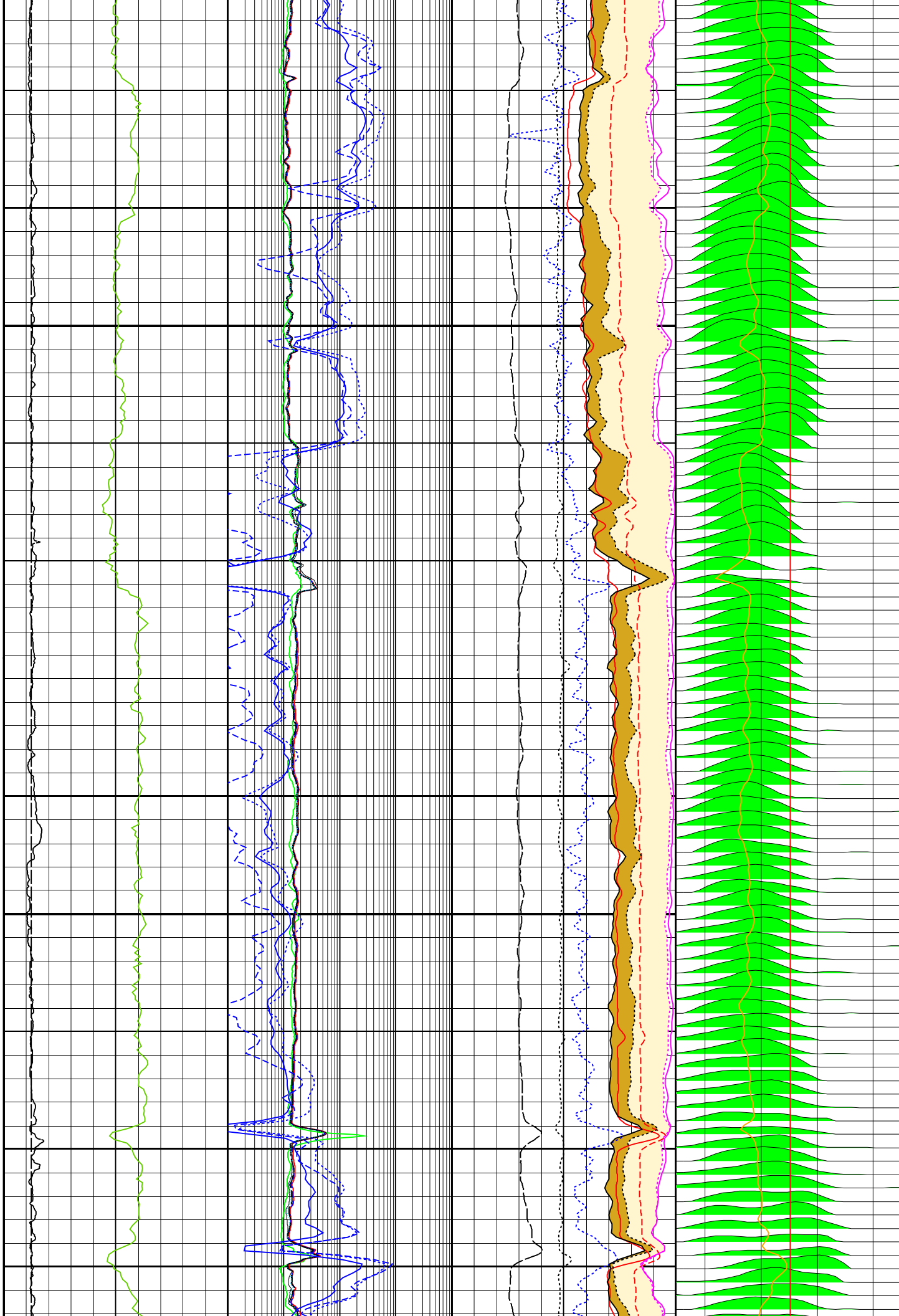
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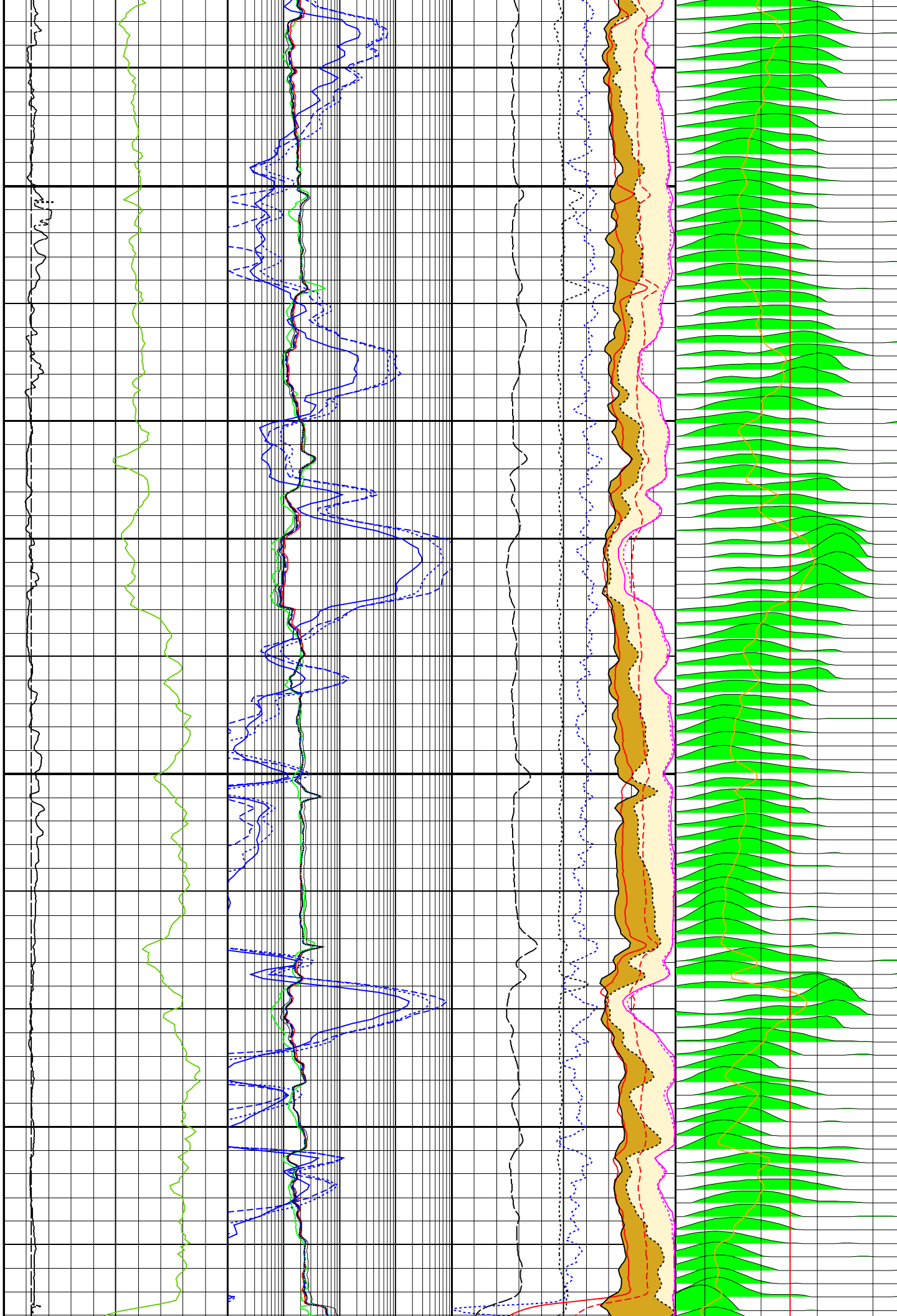
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2975



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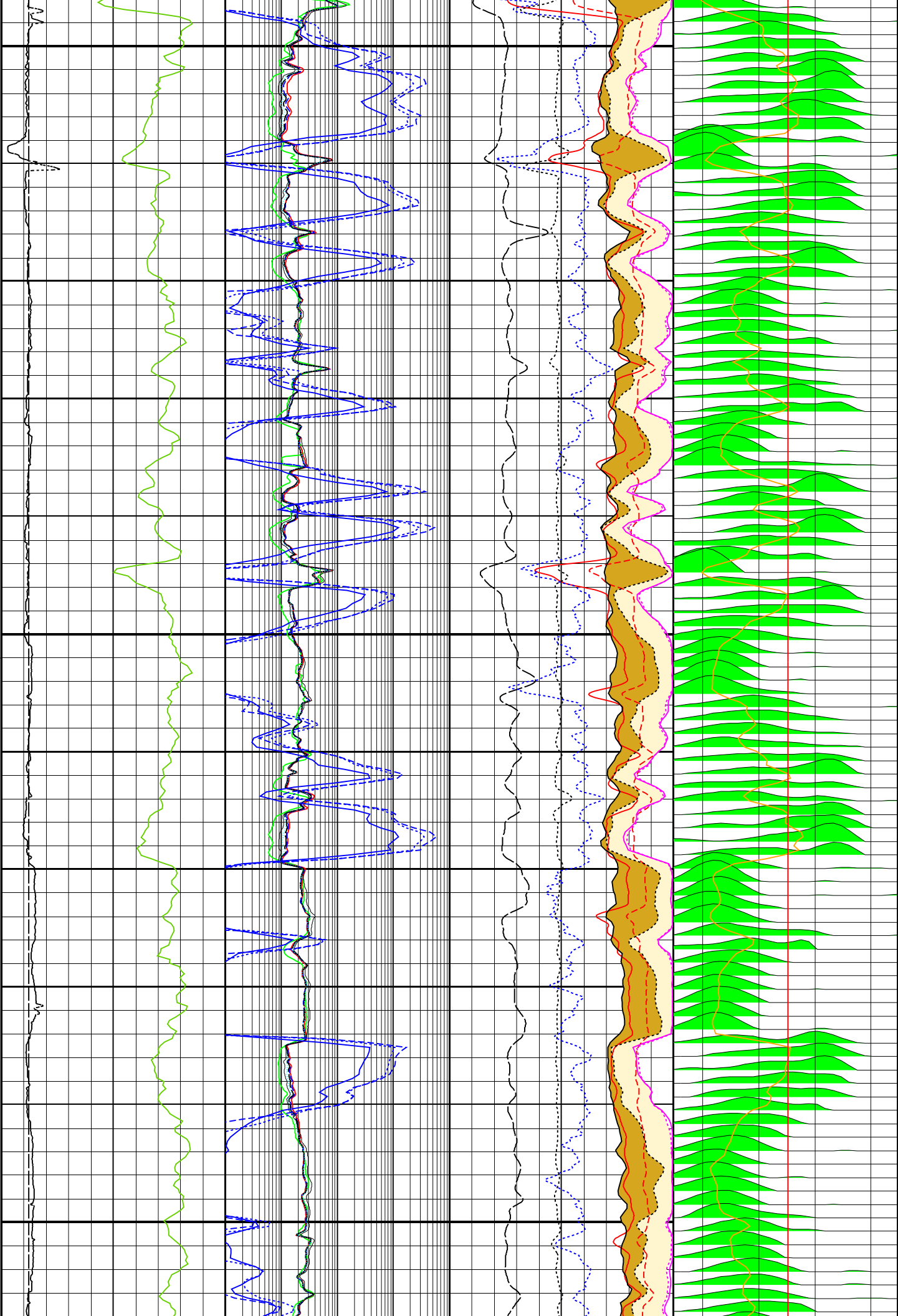
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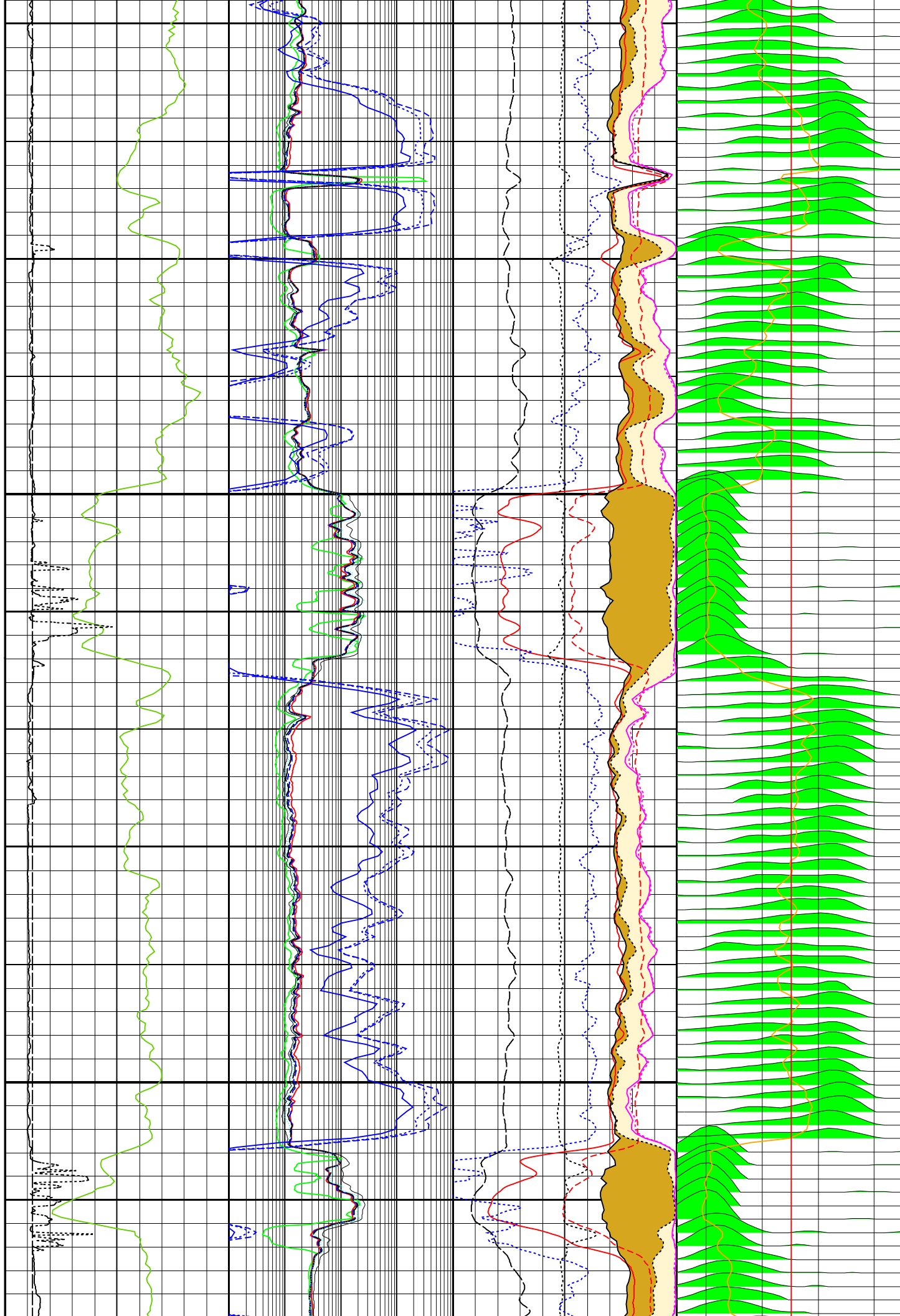
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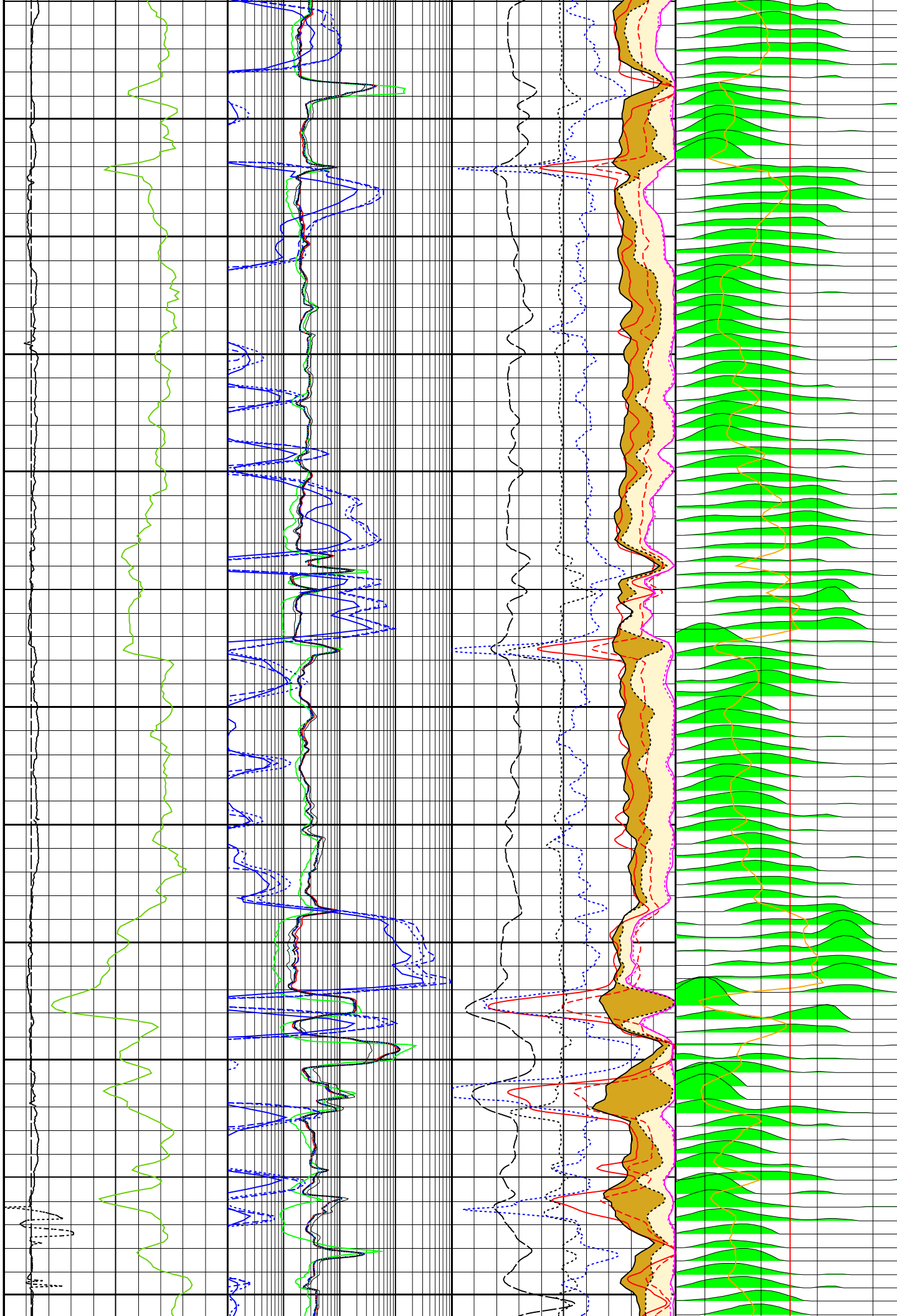
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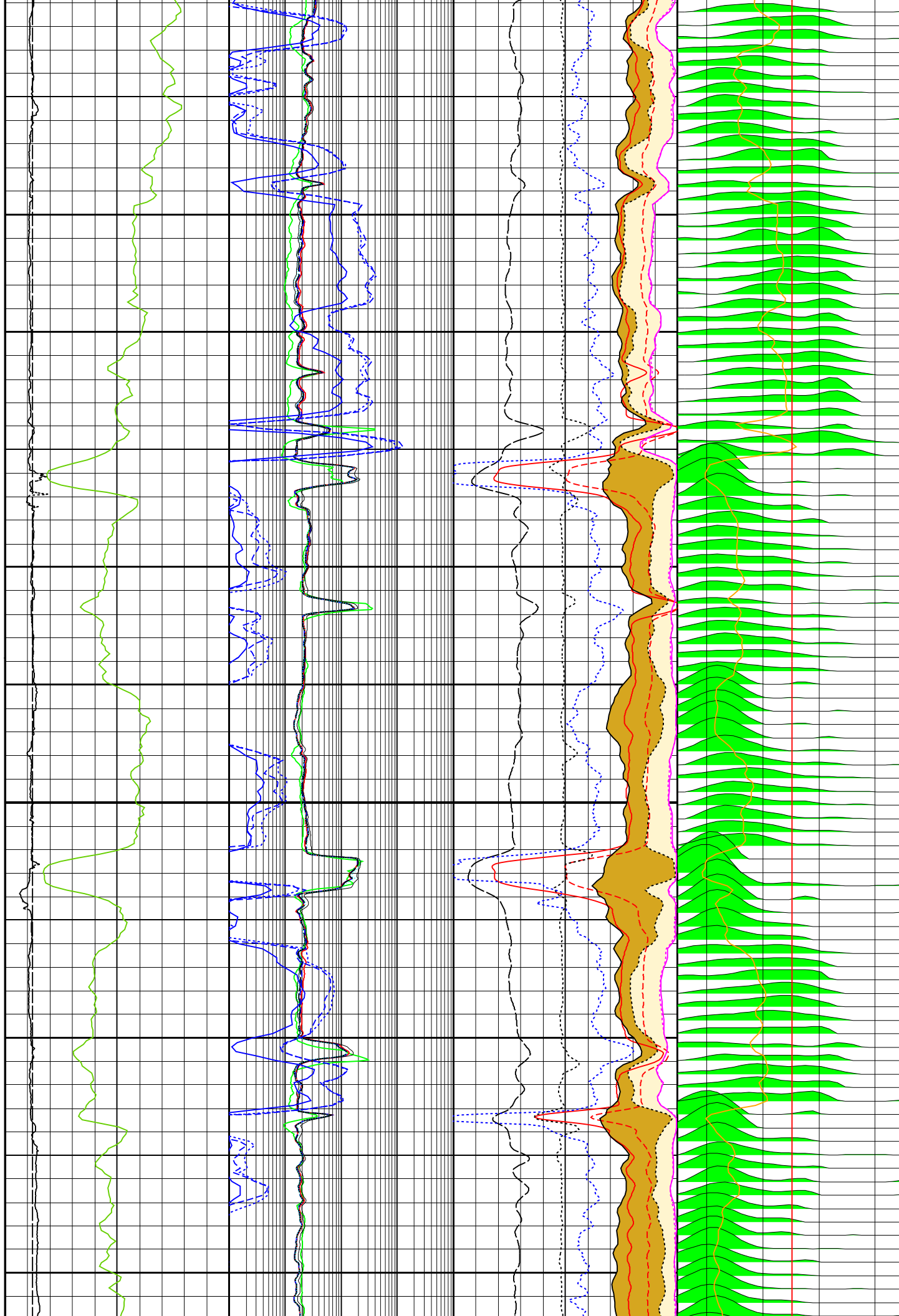
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3200



3225

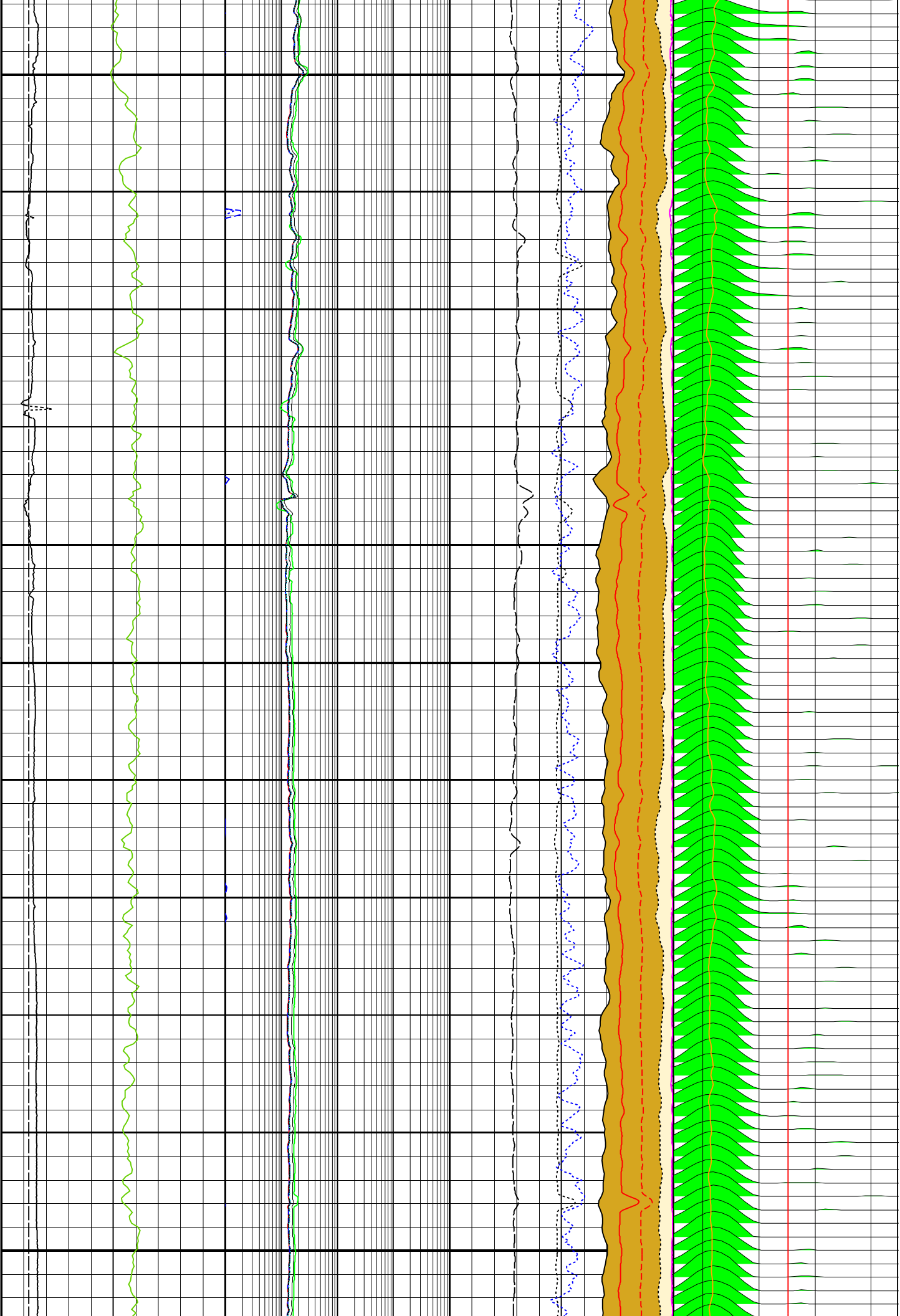
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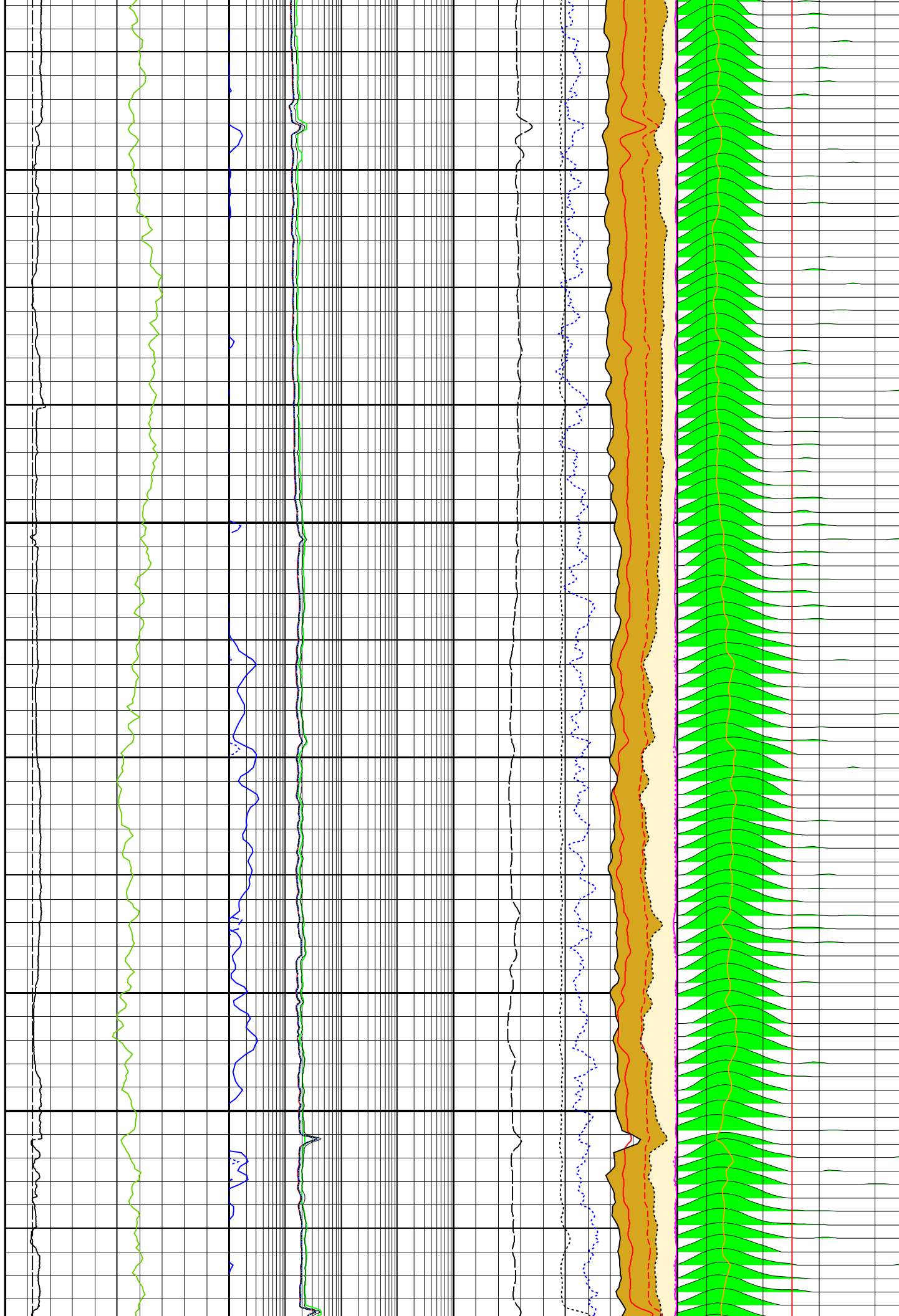
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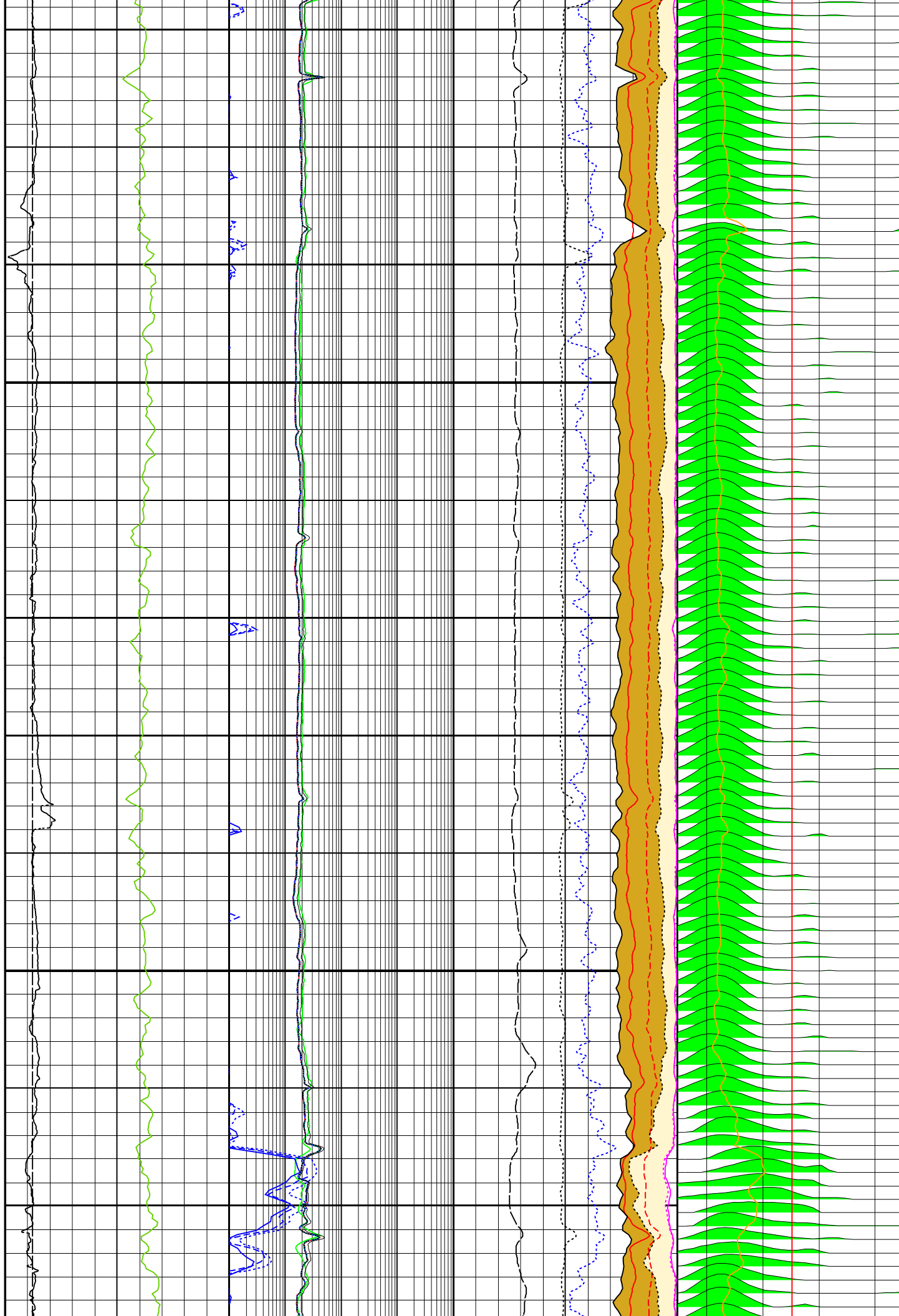
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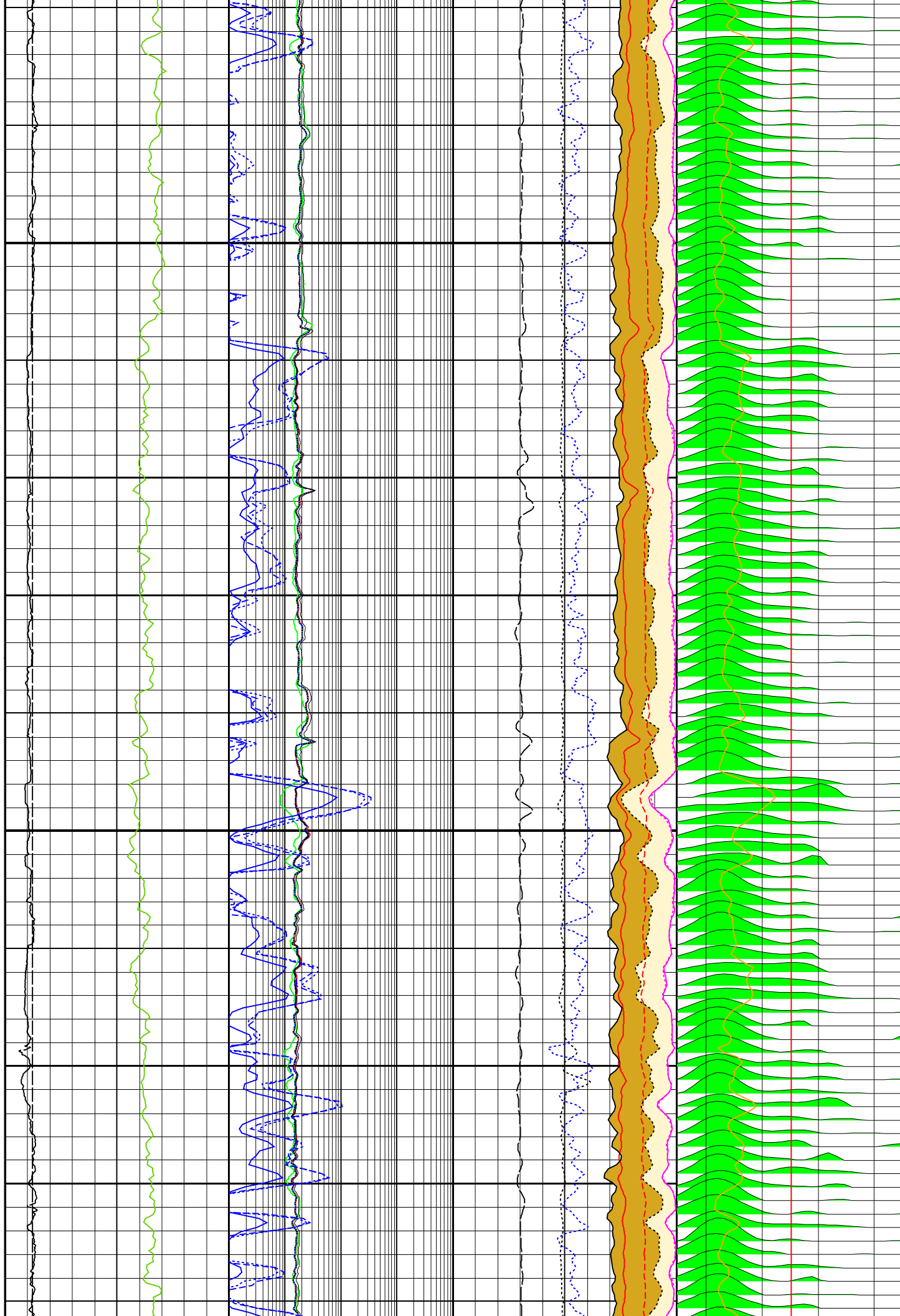
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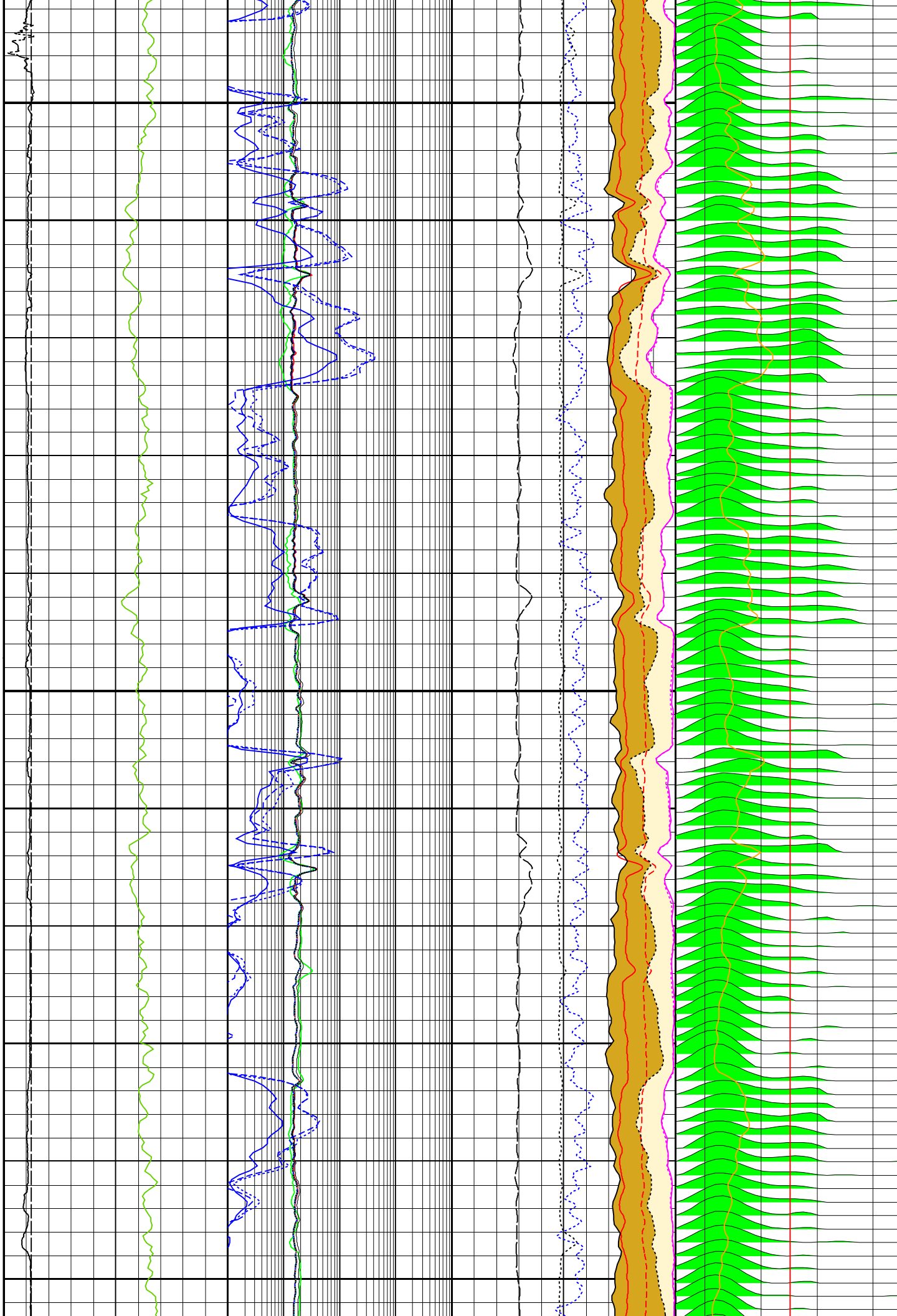
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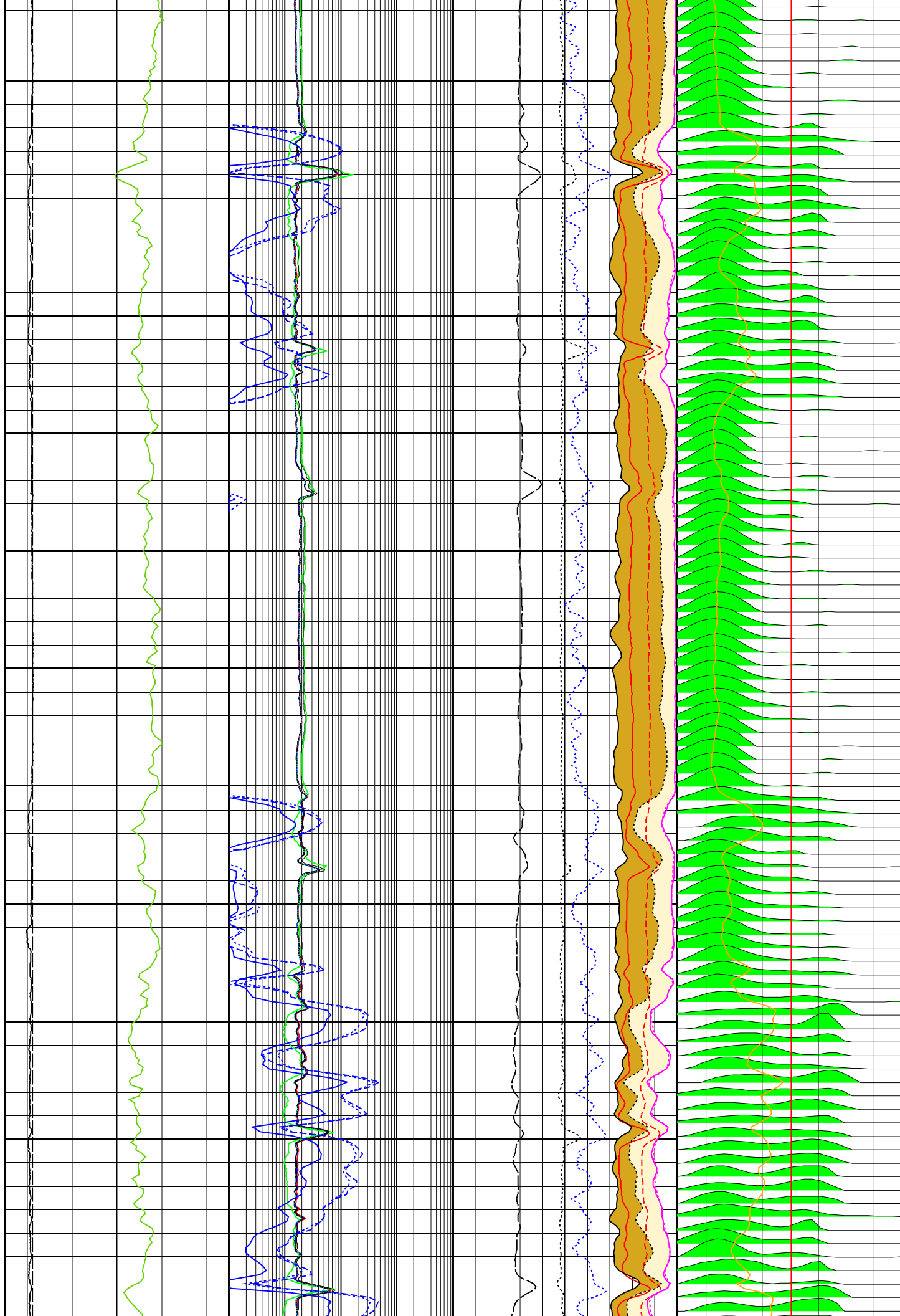
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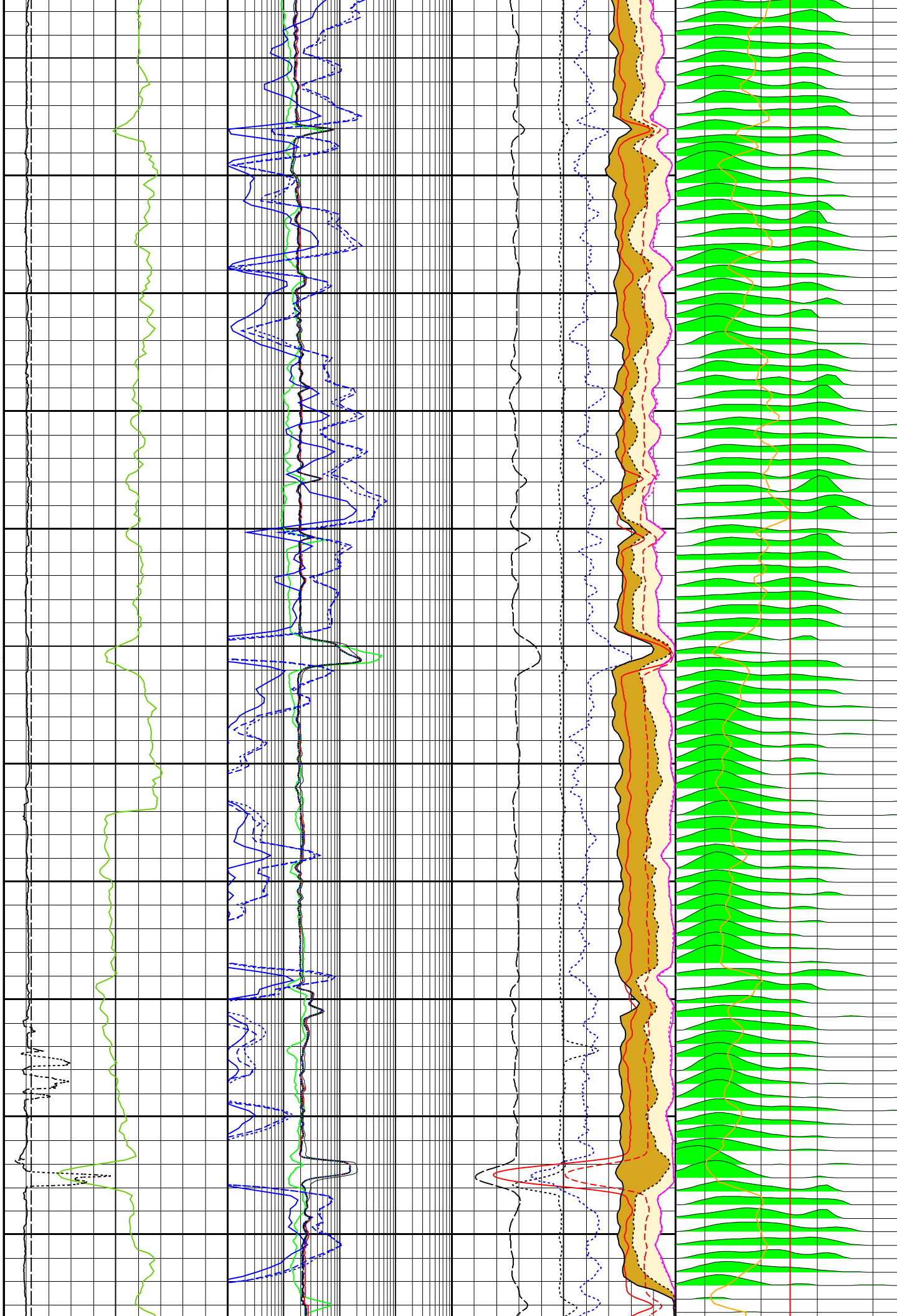
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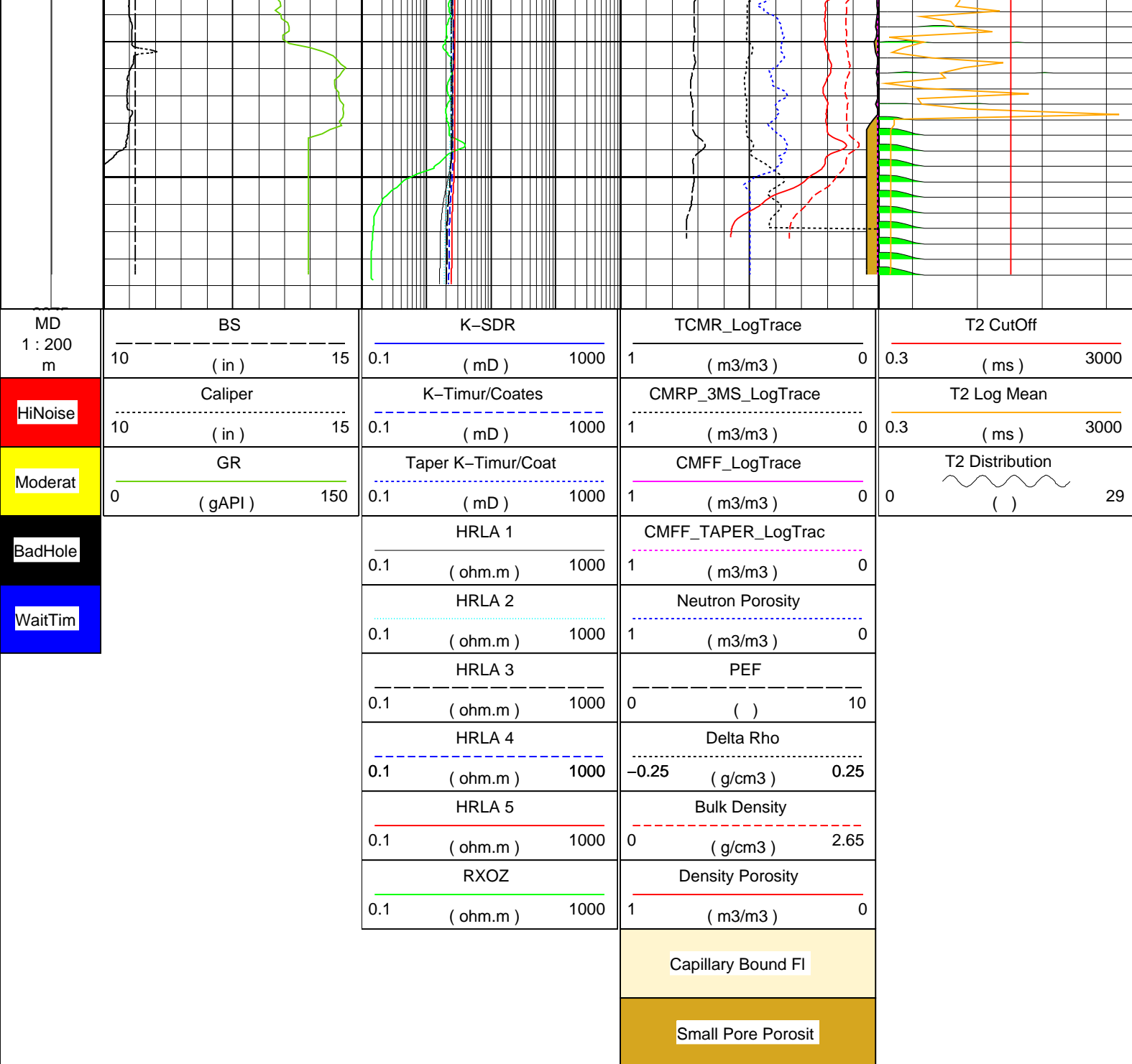
3600



3625

3650





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