



GEOFRAME
PROCESSED
INTERPRETATION

BestDT*
SonicVision Processing

3611-4394m (1/200)

* A Mark of Schlumberger

Using the following logs: See Remarks

COMPANY: ESSO Australia Pty Ltd
WELL: FTA A10AST1
FIELD: Fortescue
Rig: ISDL 175
State: Victoria
COUNTRY: Australia
Date Logged: 05-Aug-2007
Well Location: Date Processed: 05-Aug-2007

Elevations: KB: 0m DF: 42.5013m GL: -69.0006m
API Number: Job Number:

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

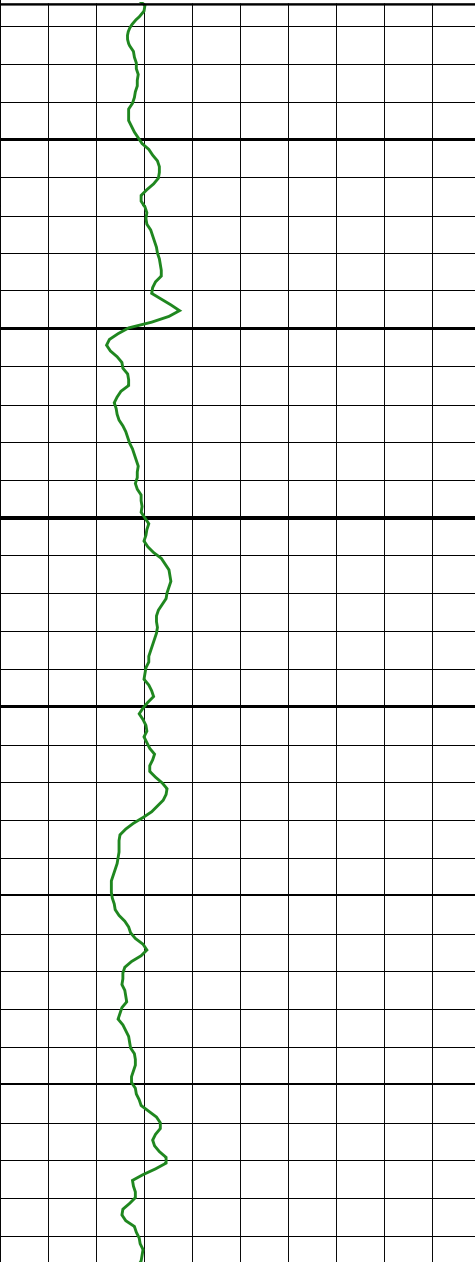
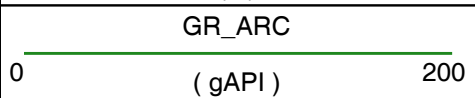
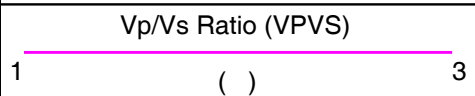
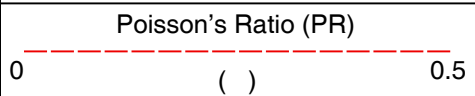
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording:	Location:	Software Version: 12C0-302	Engineer: BP/AK/ML
Office Recording:	ICS Center:	Baseline: GF4.3 DC3	Log Analyst: Taesoo Kim
Mud and Borehole Measurements:			
Rm @ Measured Temperature:	@ 20degC	BHT:	Bitsize: 8.5in
Rmf @ Measured Temperature:	@	Type Fluid in Hole:	SBM
Rmc @ Measured Temperature:	@	Mud Density: 1.355g/cm3	

Remarks:

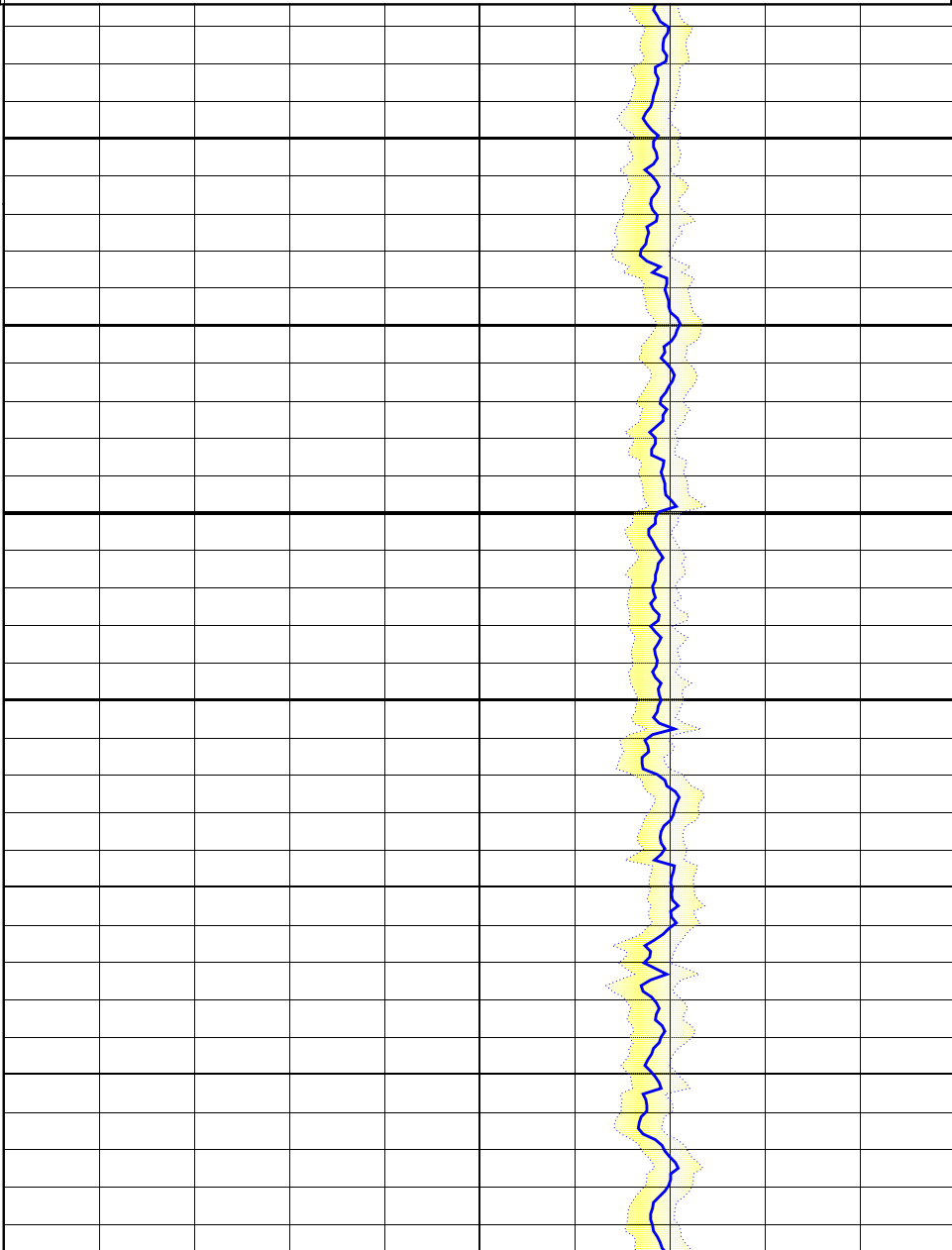
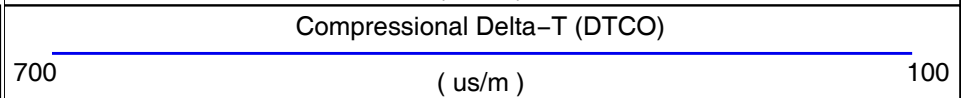
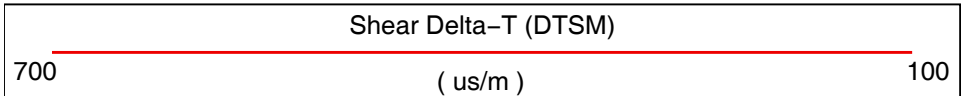
DT Compressional processed with 10-16 KHz filter.
DT Shear processed with 5-11 KHz filter.
See the QC logs for further parameters.

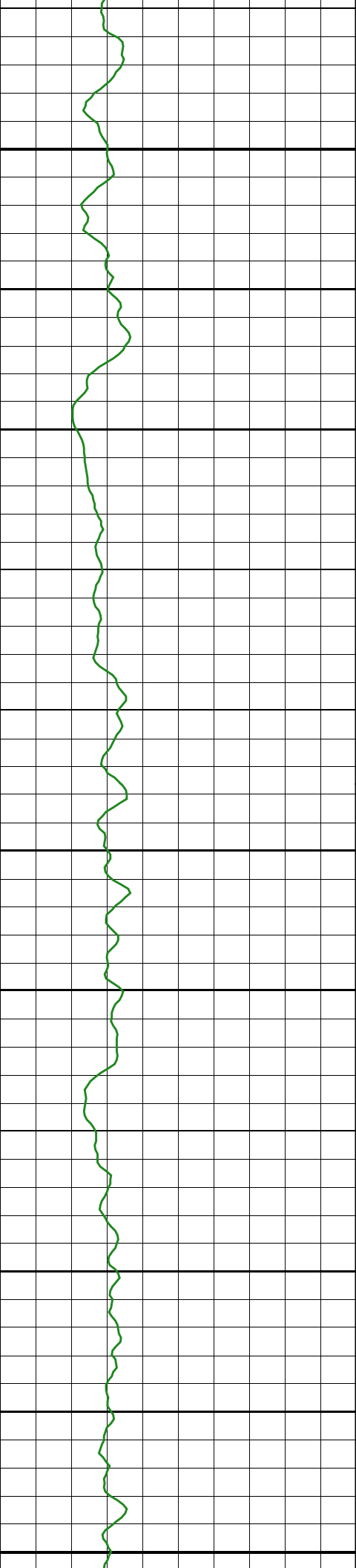
Processed Results



MD
1 : 200
m

3625

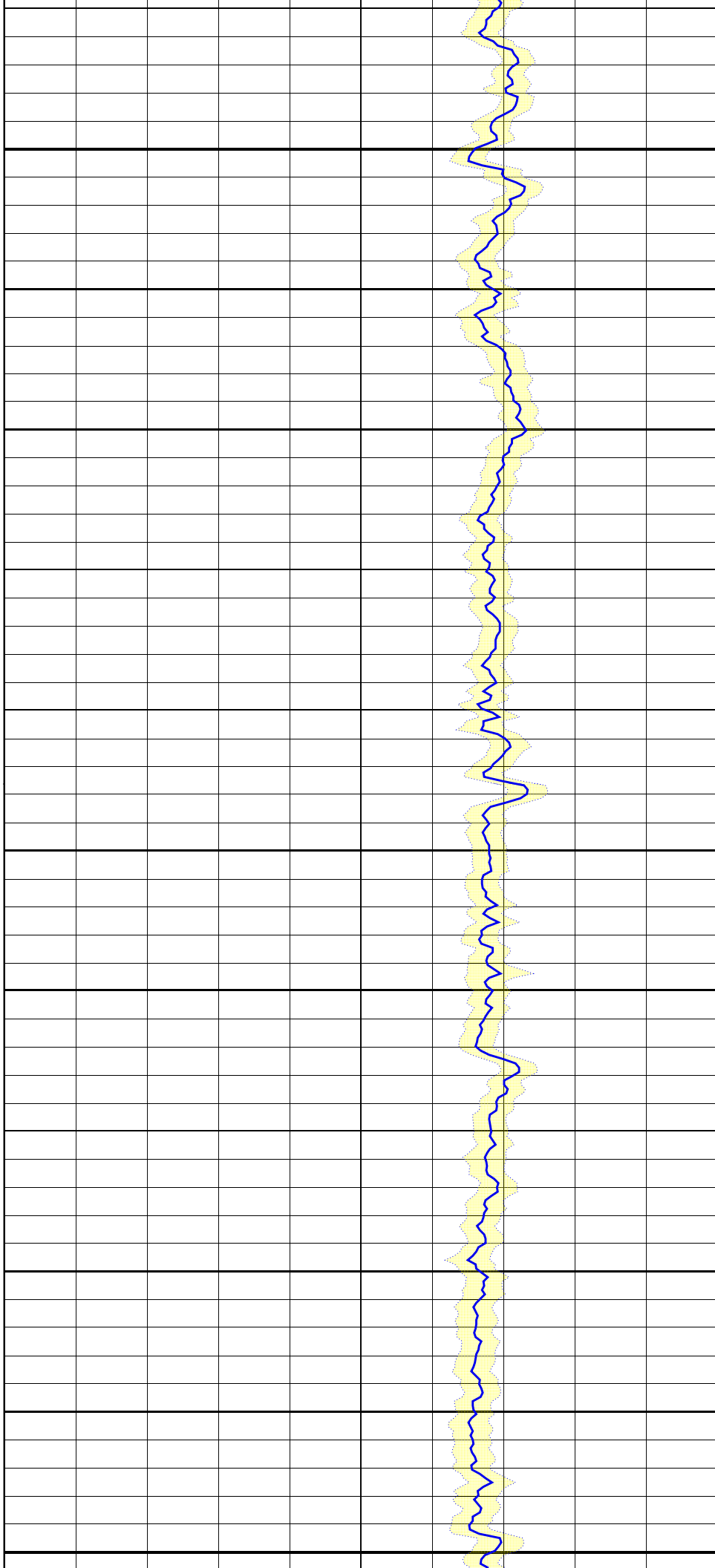


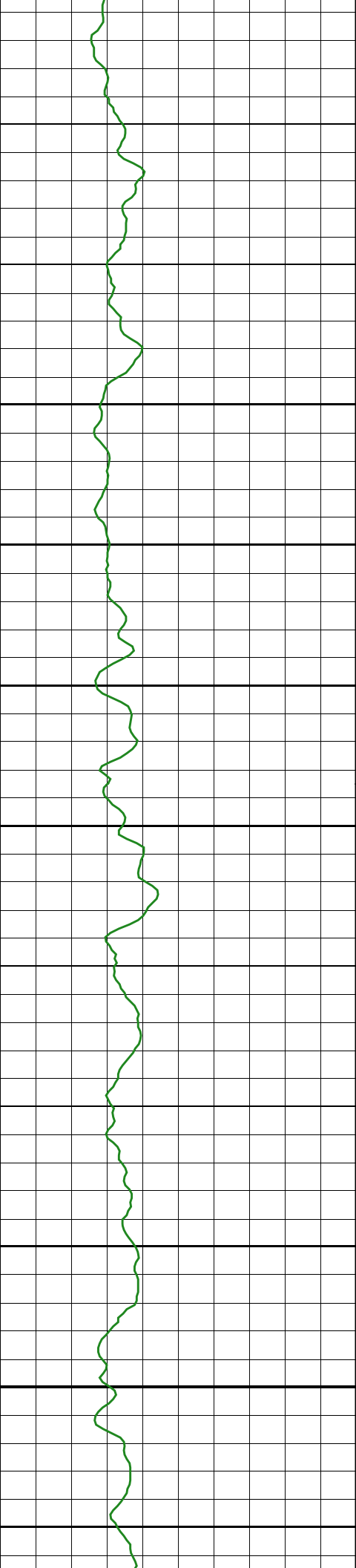


3650

3675

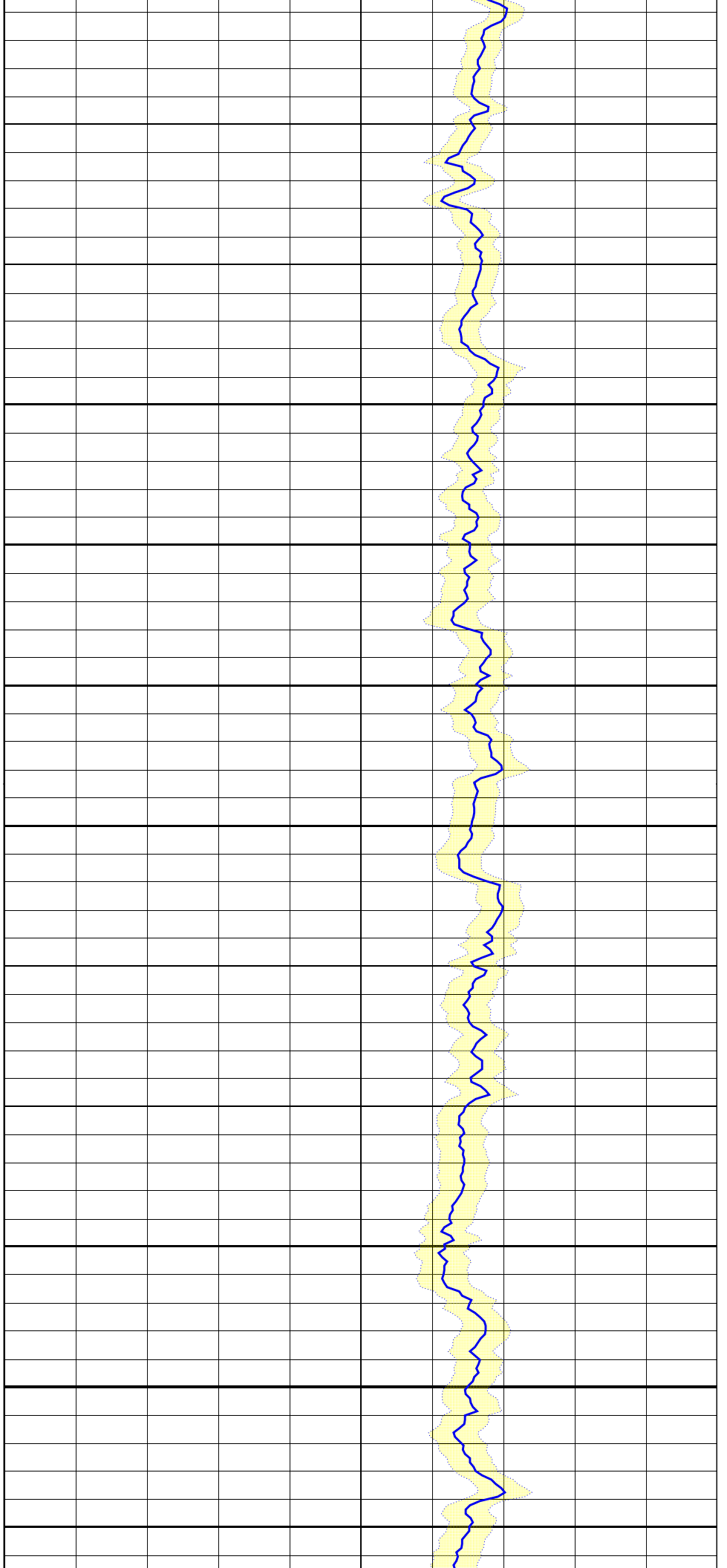
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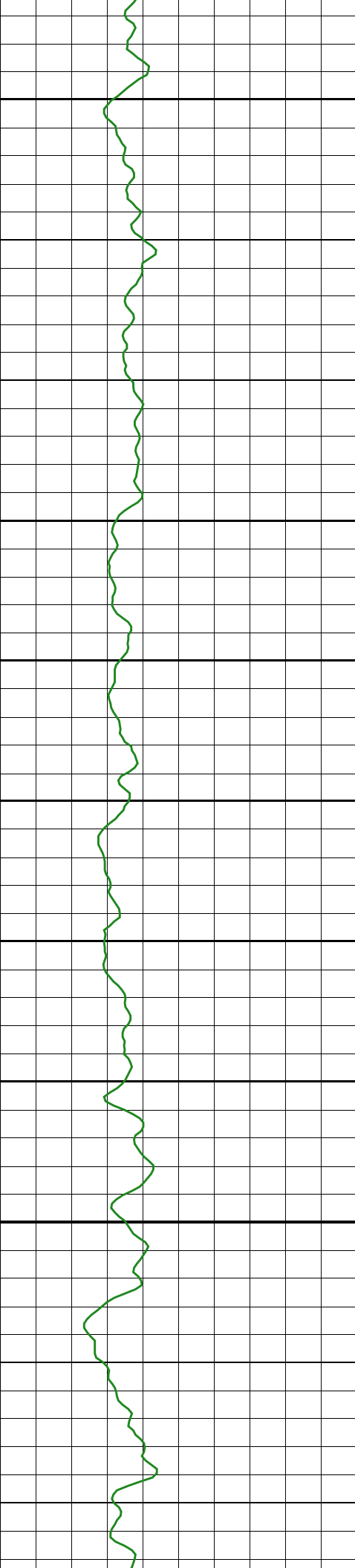




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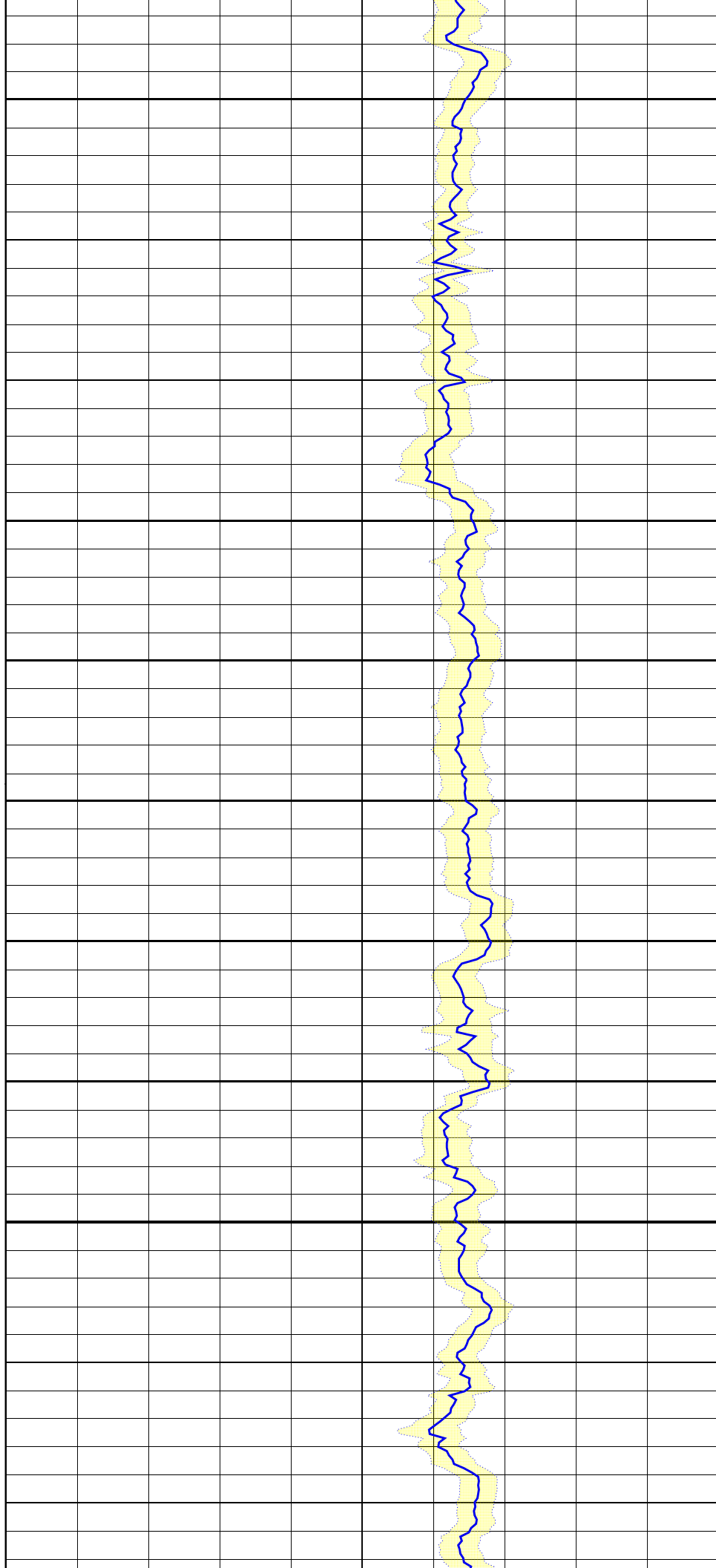
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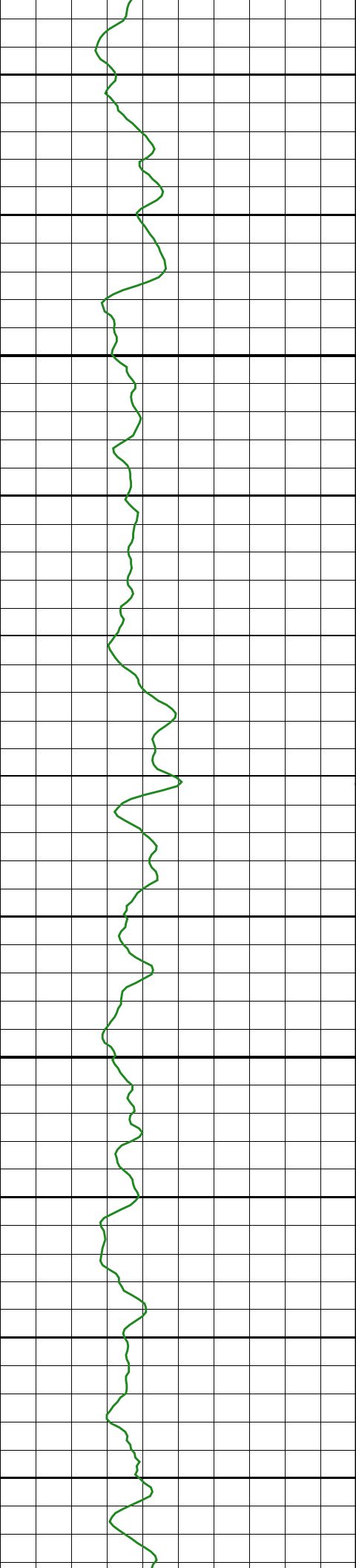




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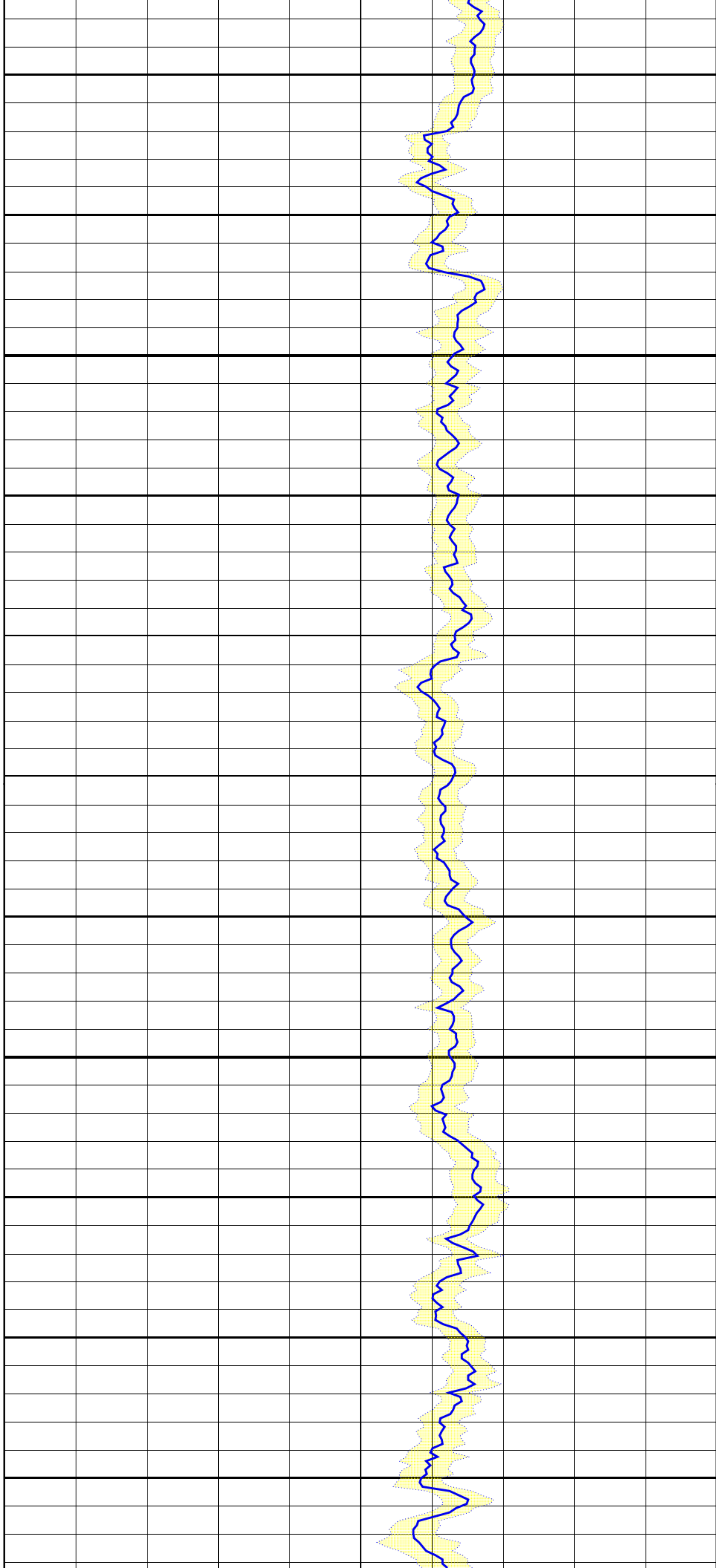
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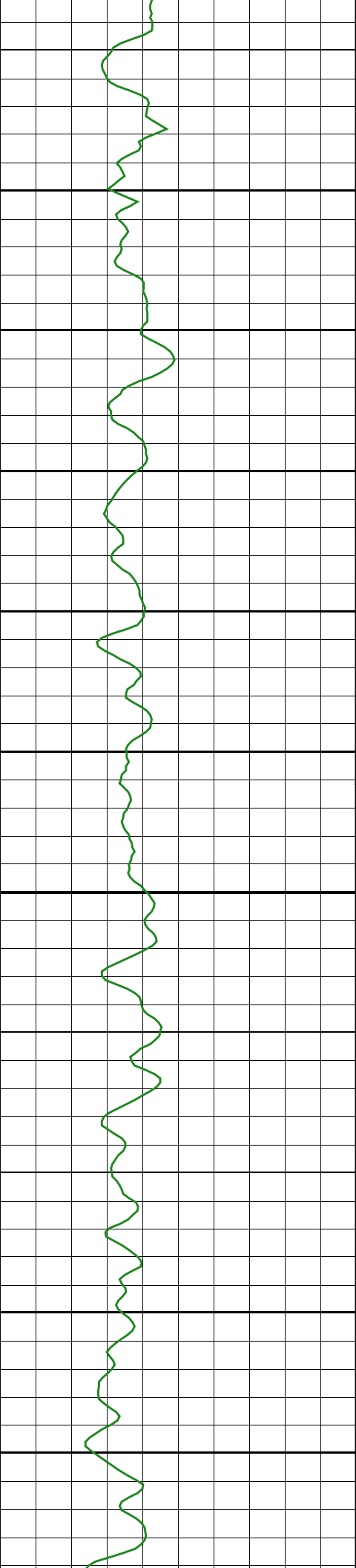




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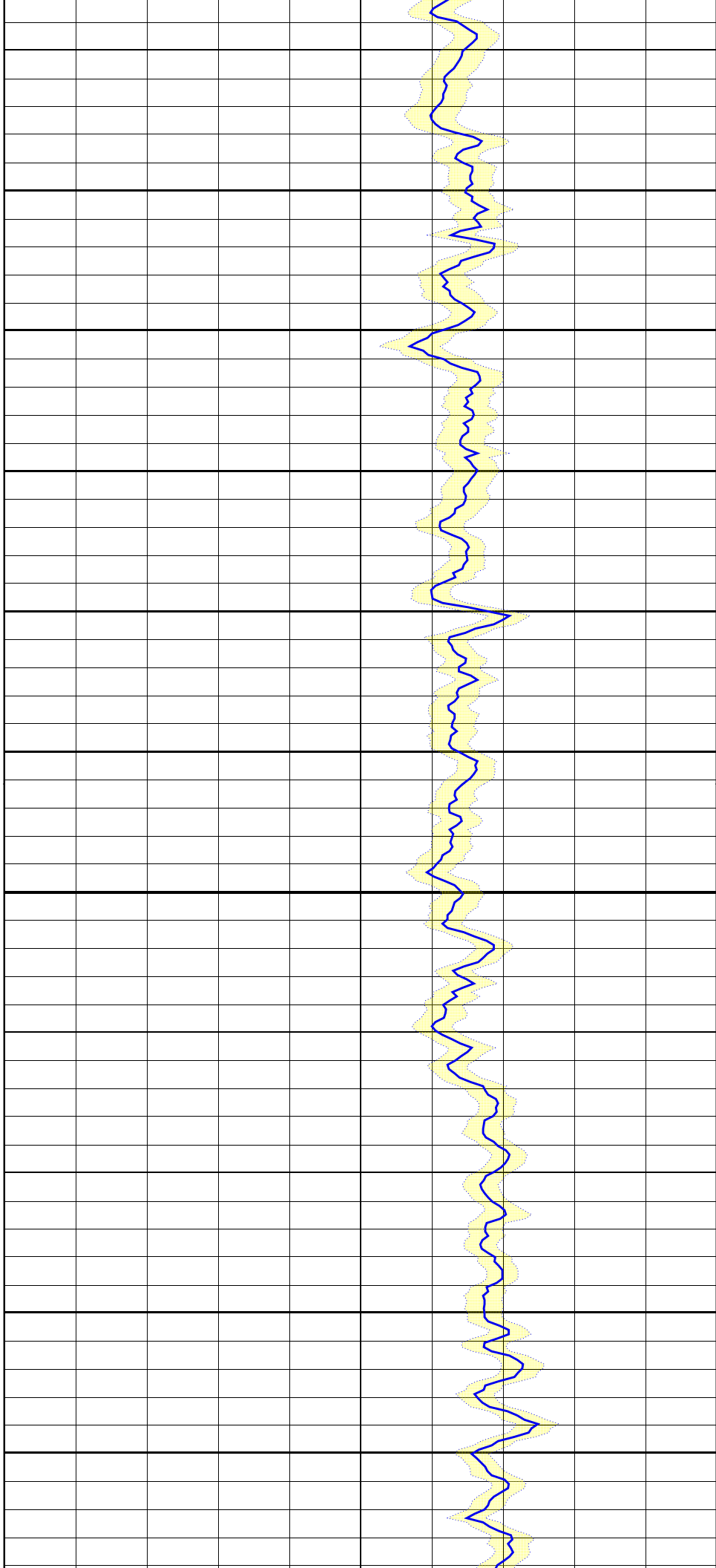
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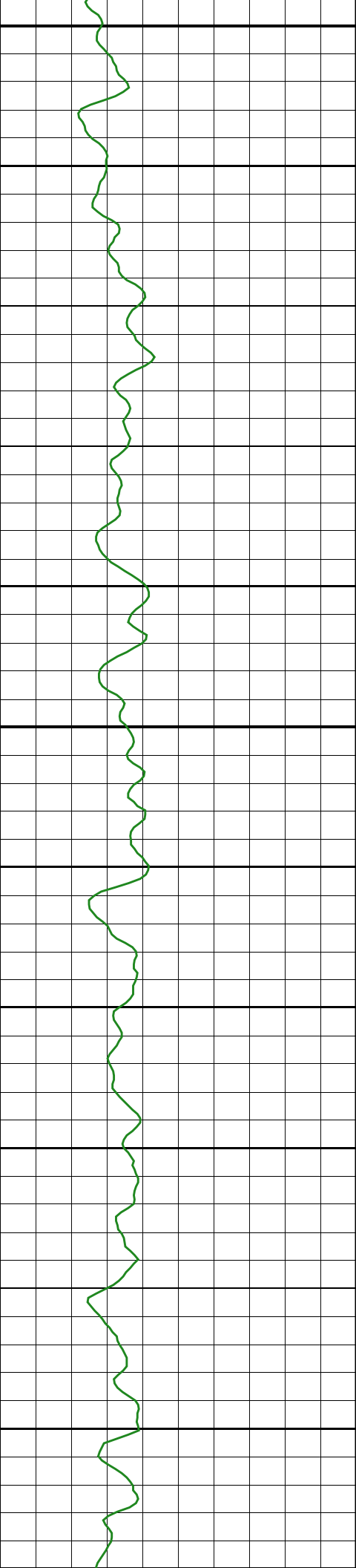




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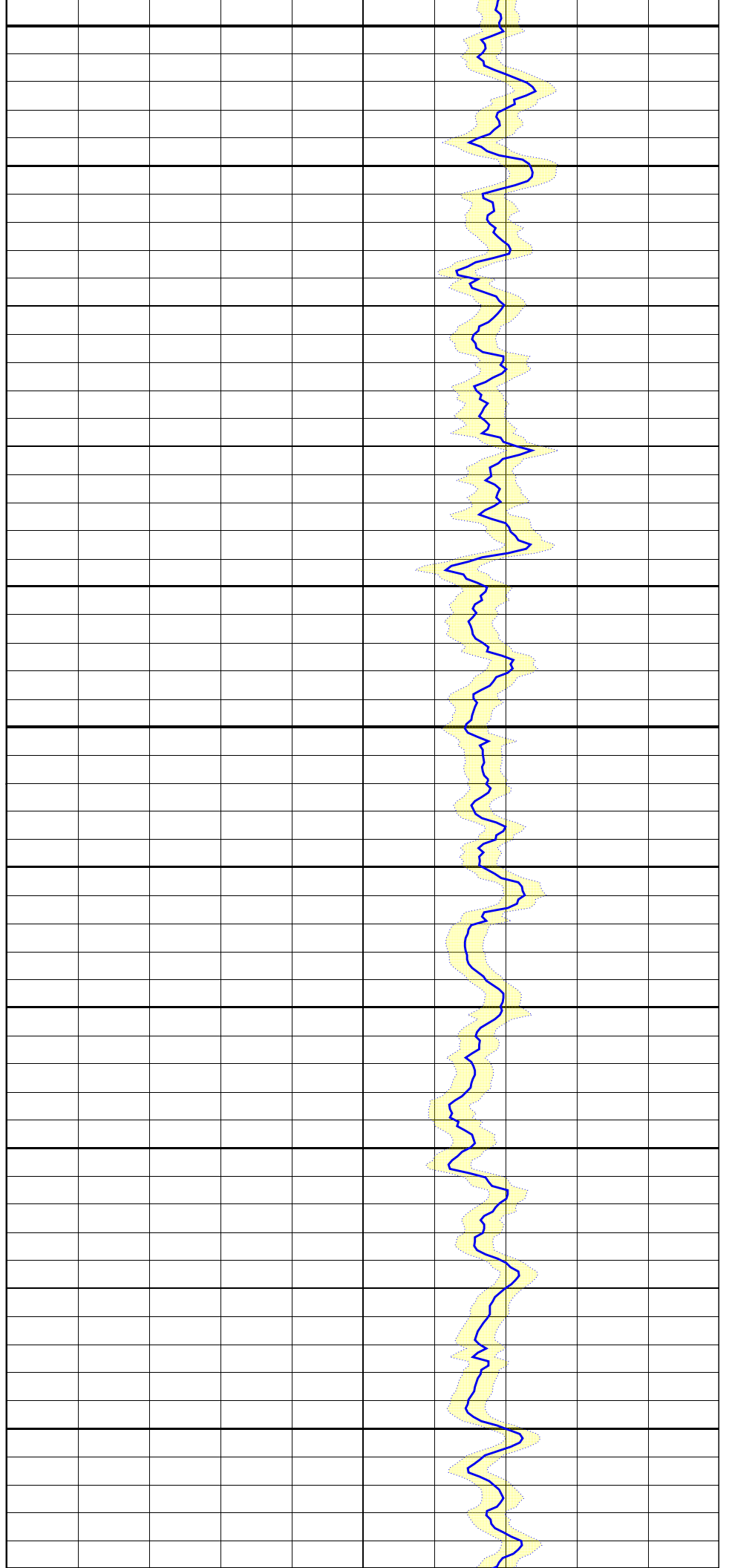


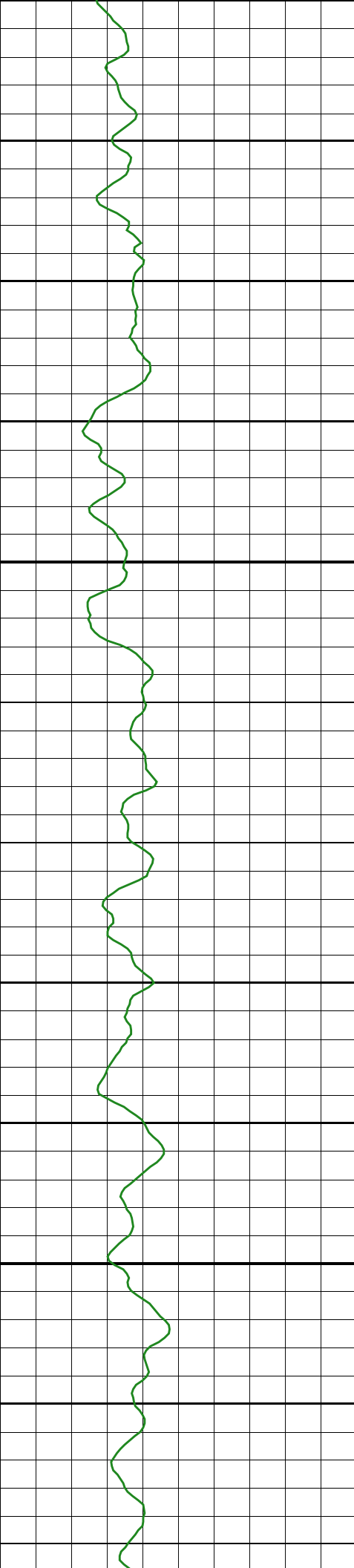


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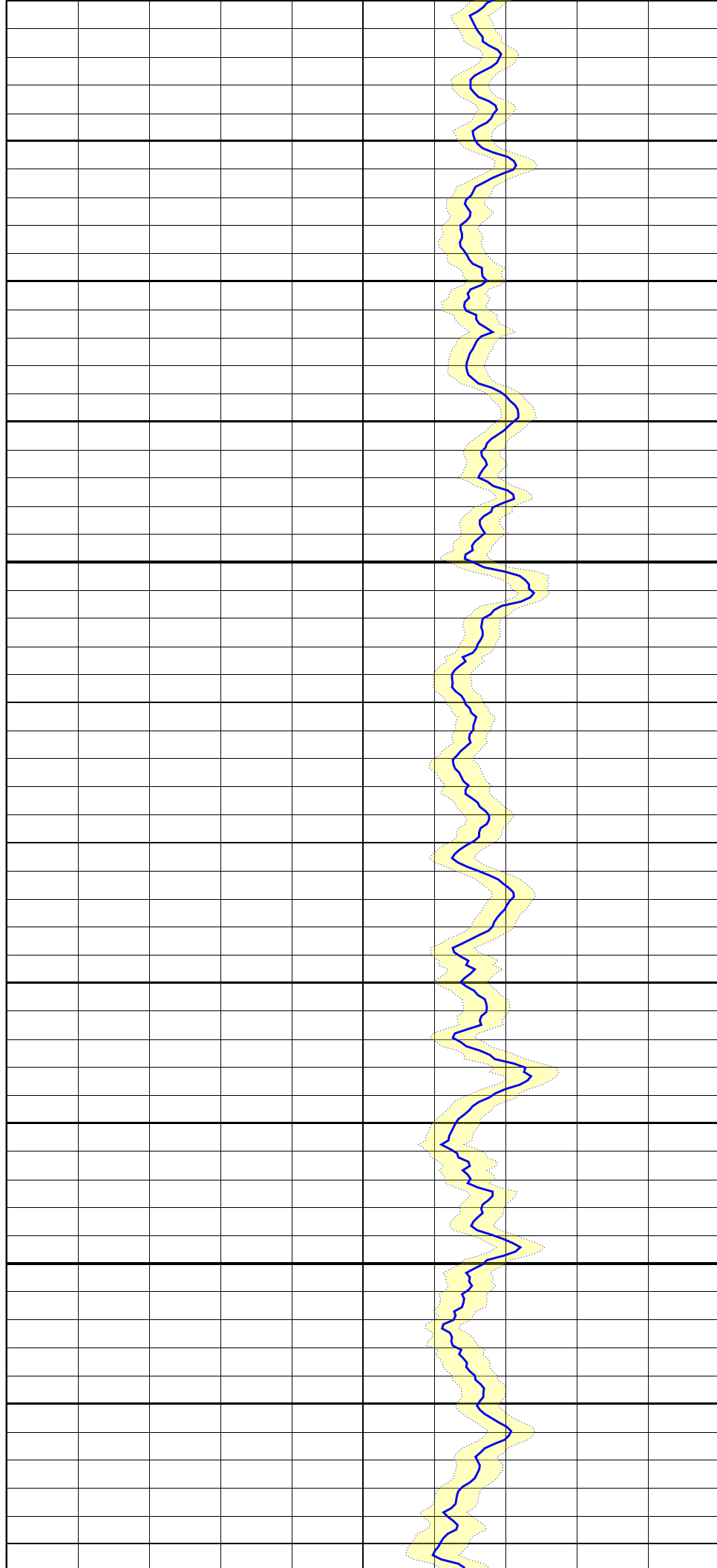
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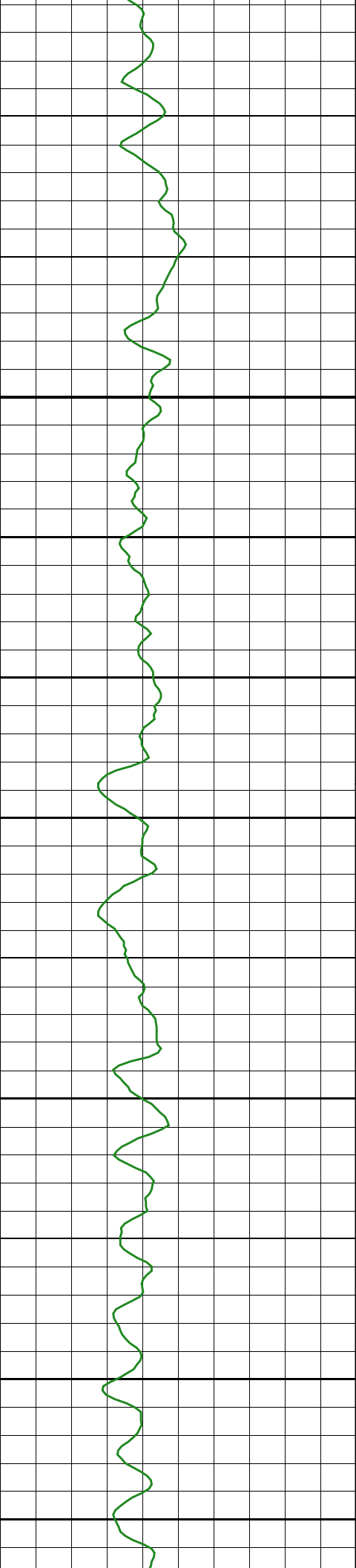




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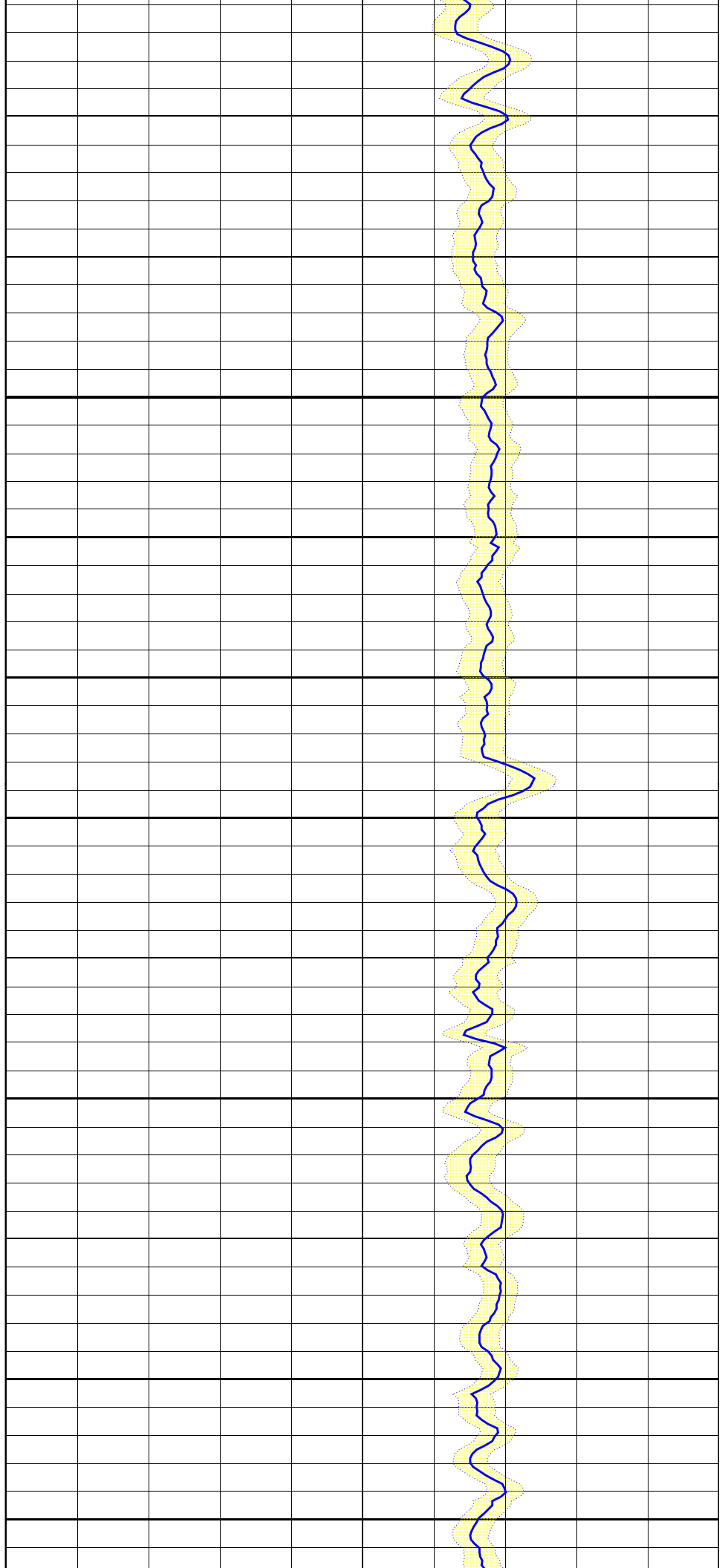
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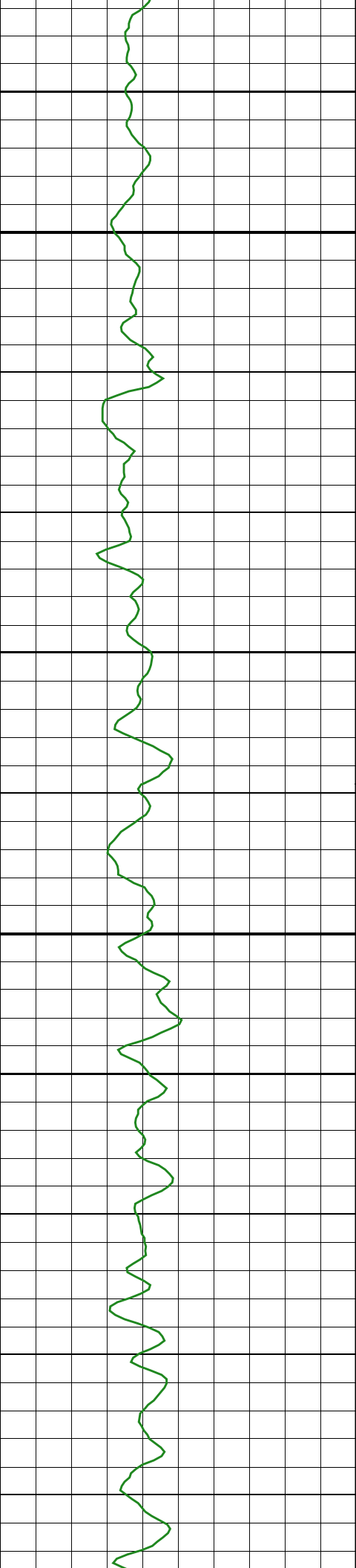




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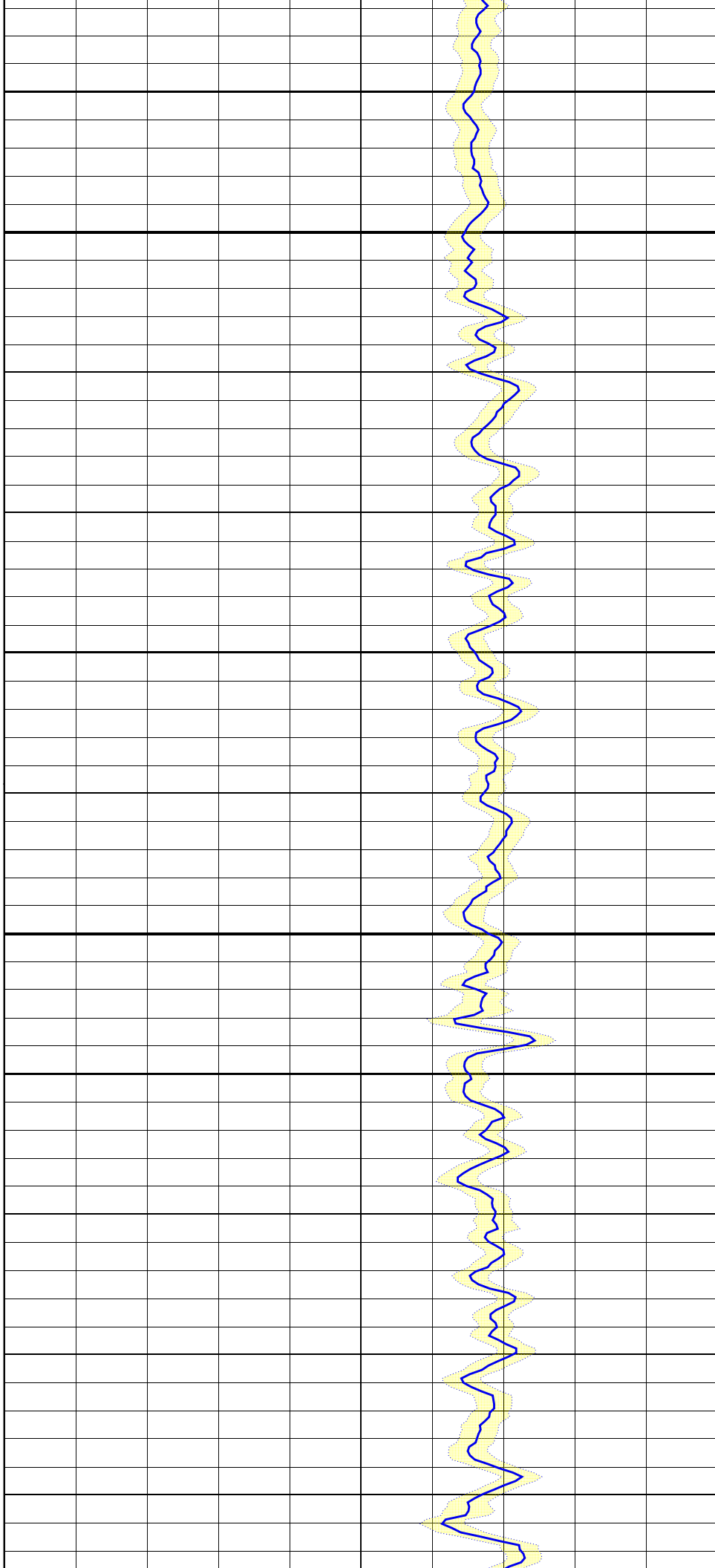
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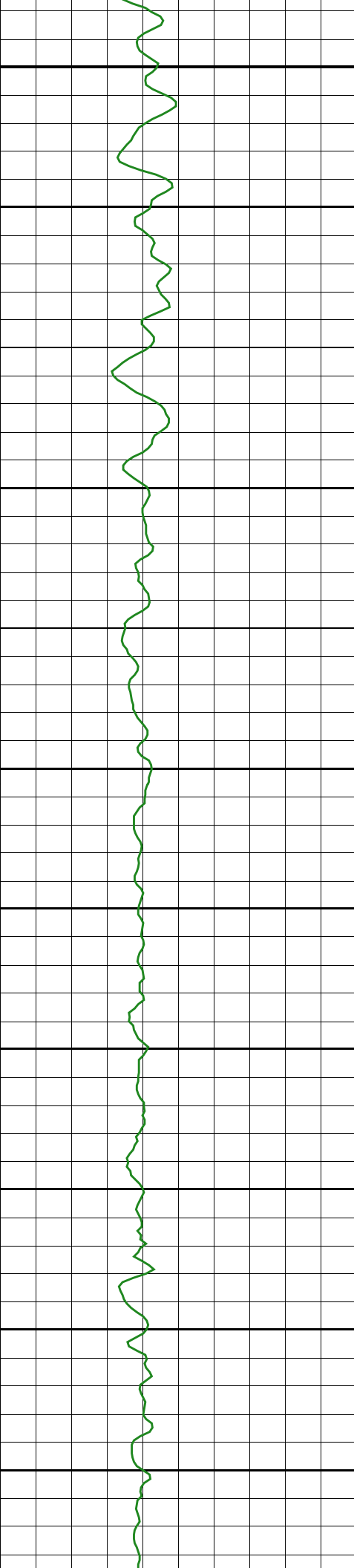




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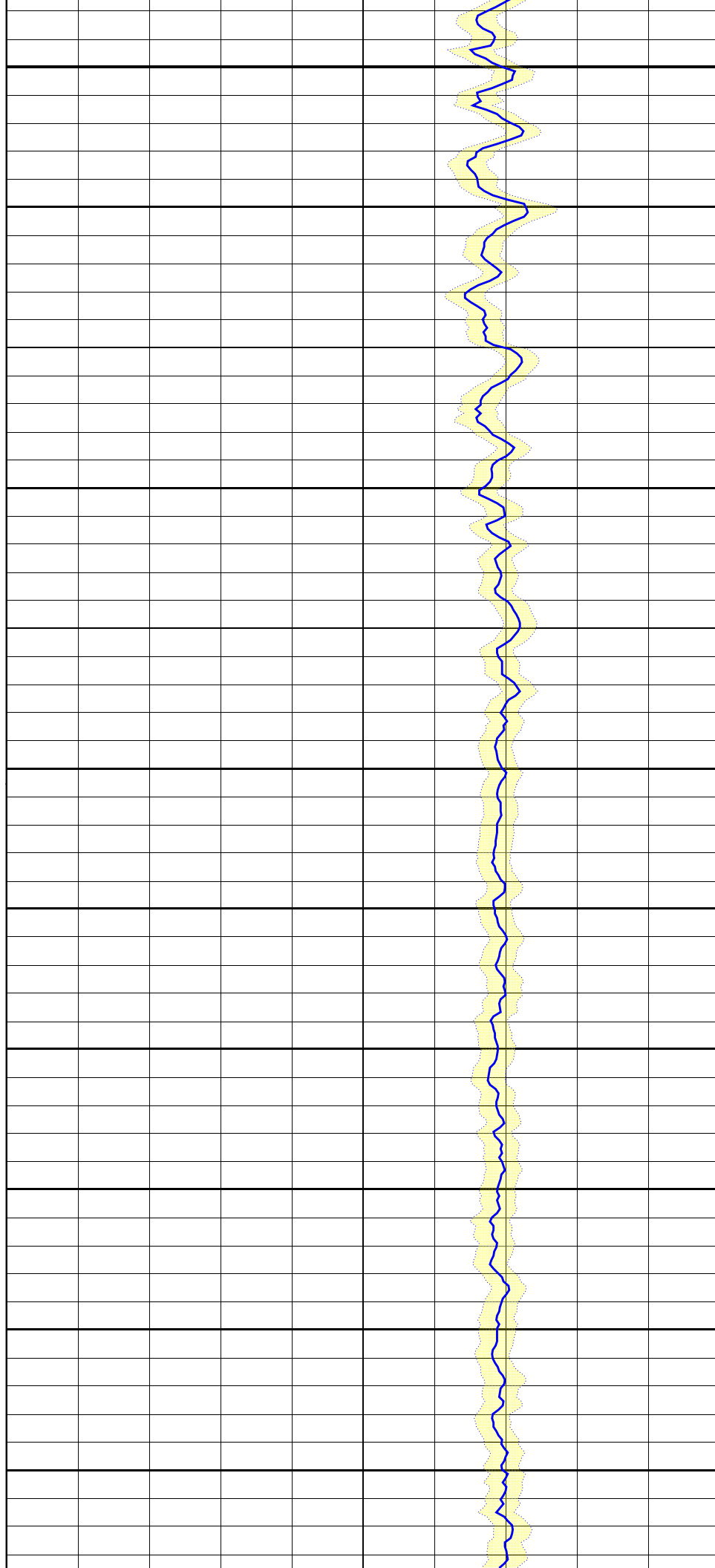


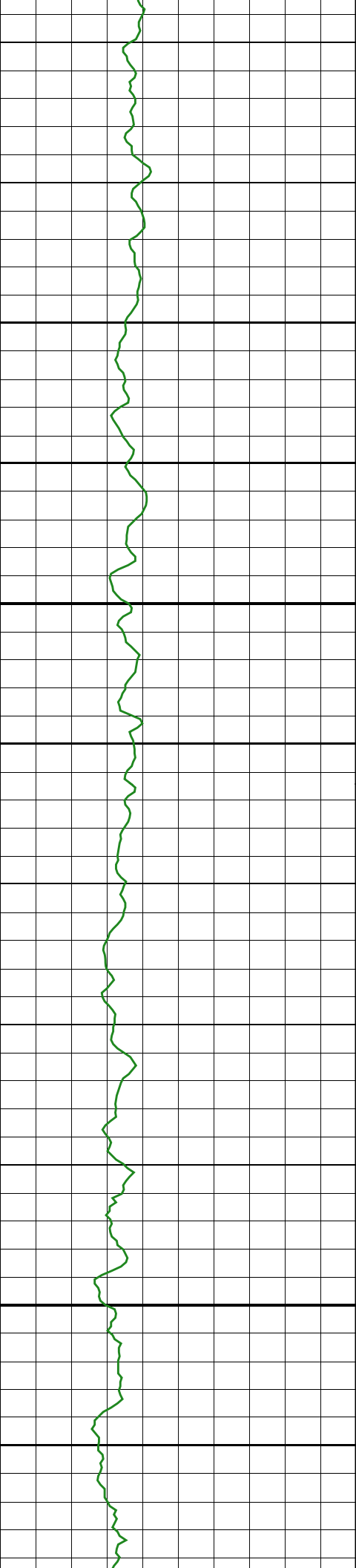


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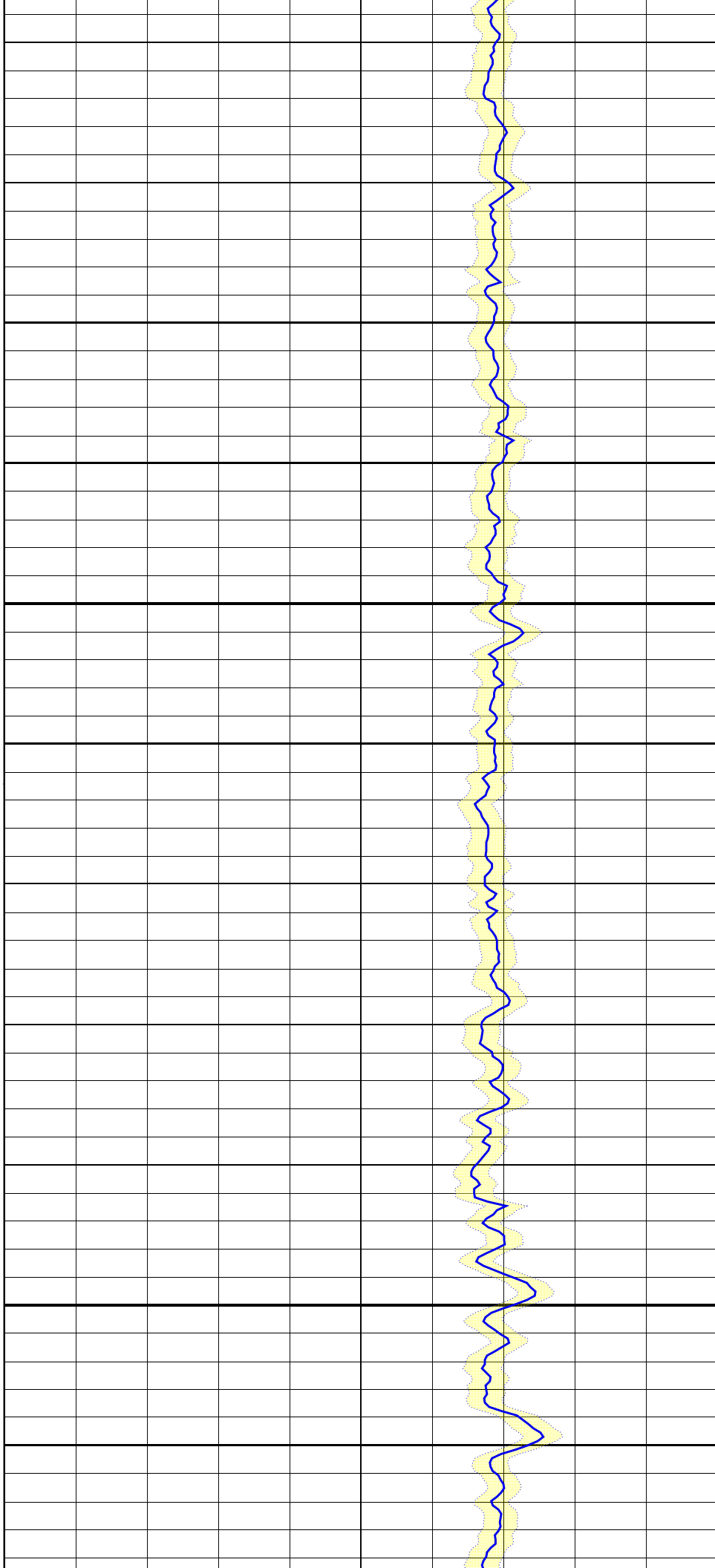
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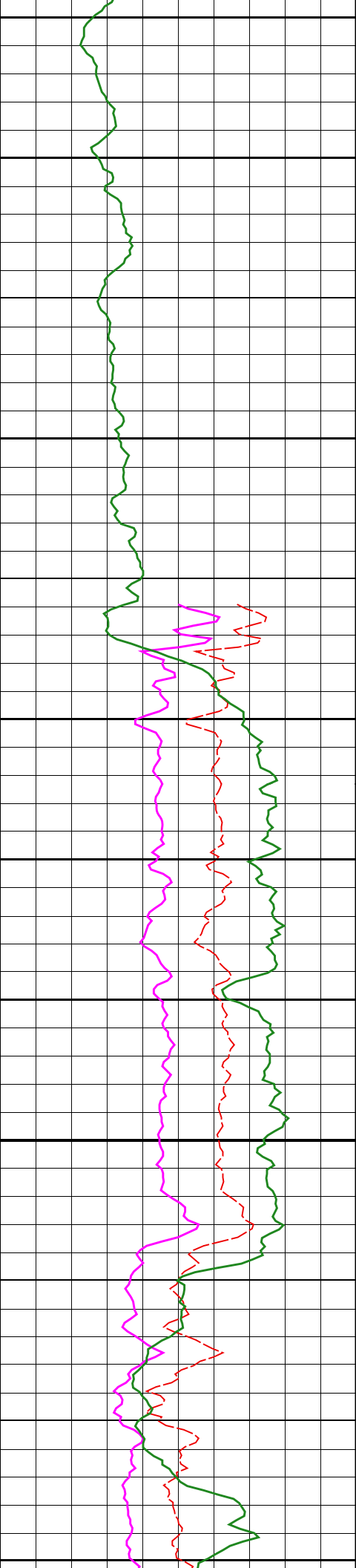




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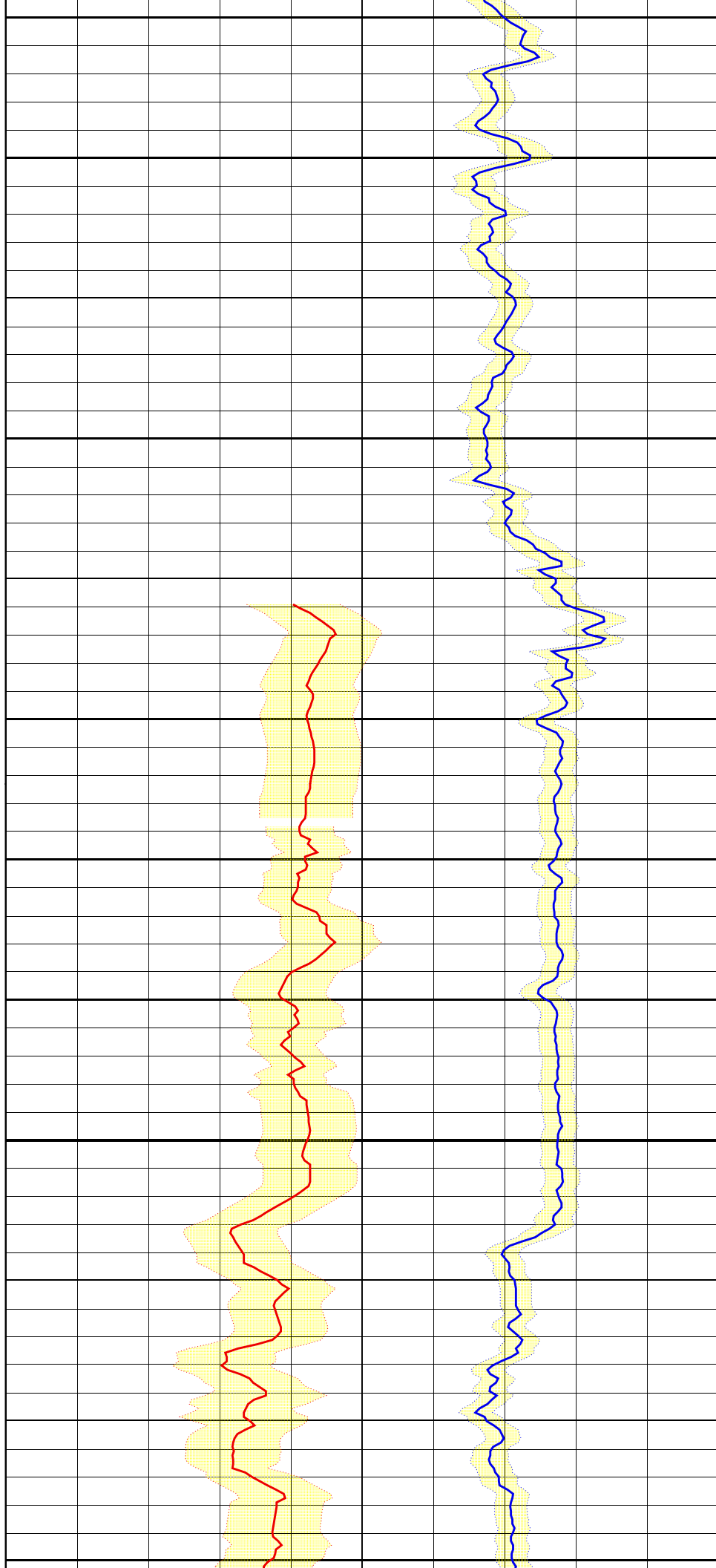
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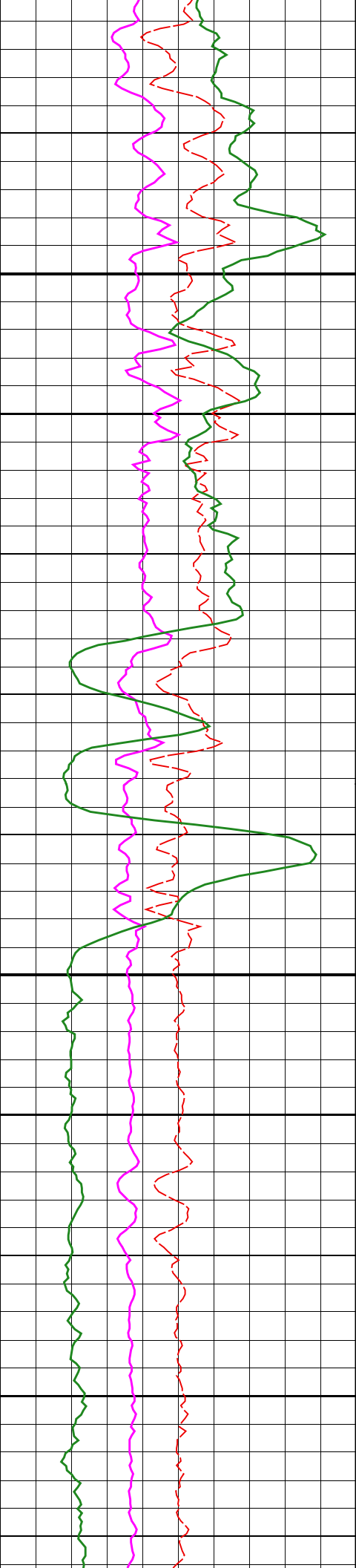




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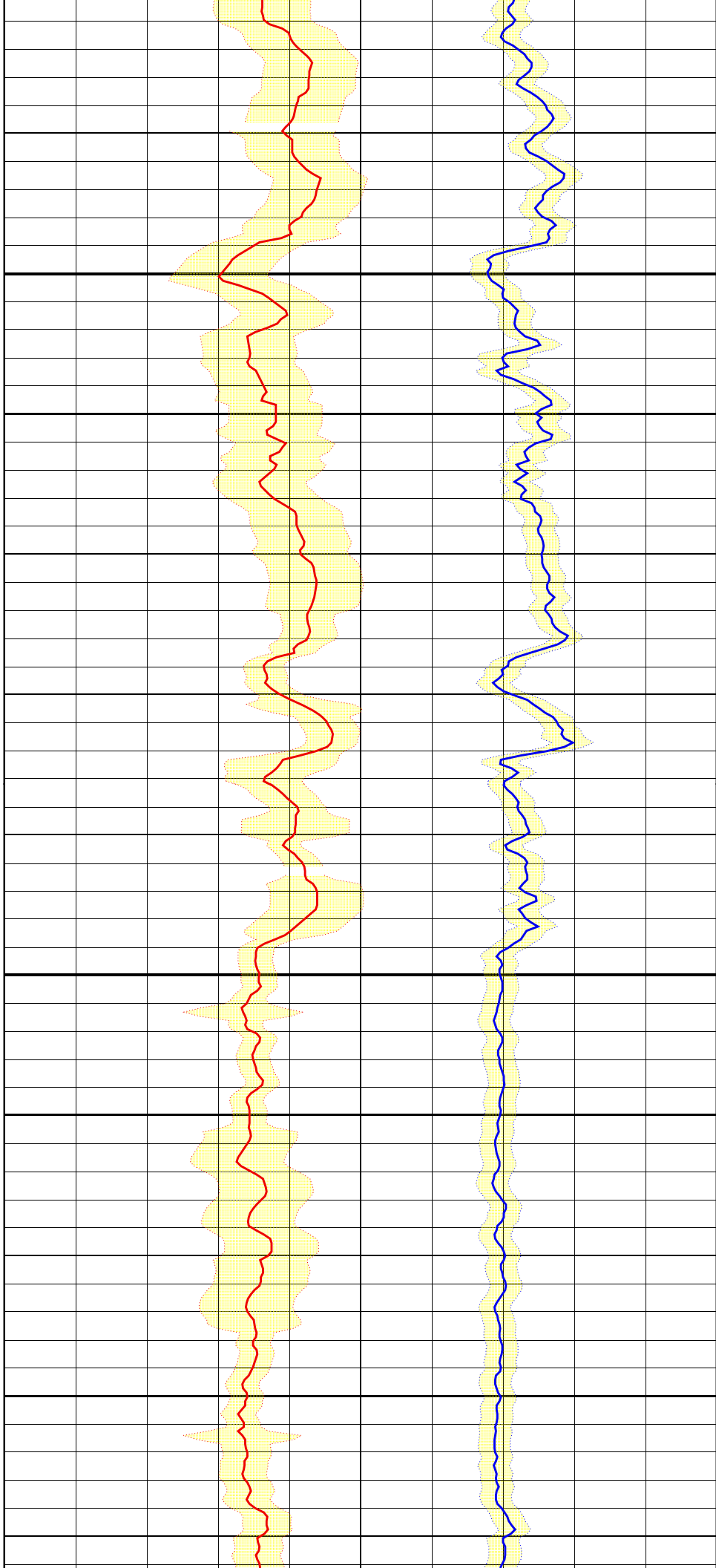
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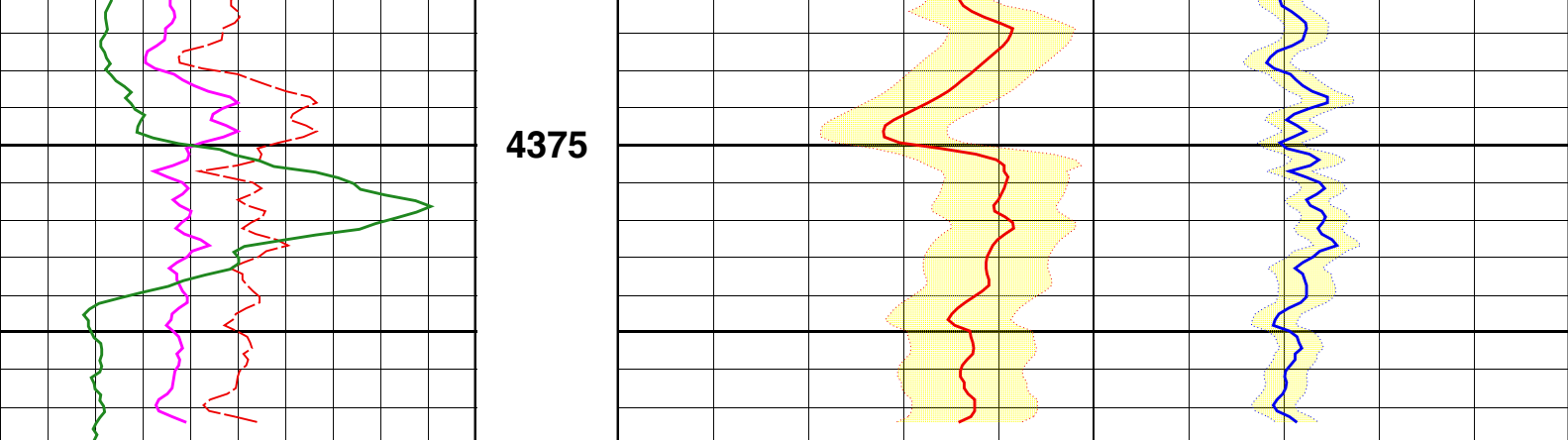




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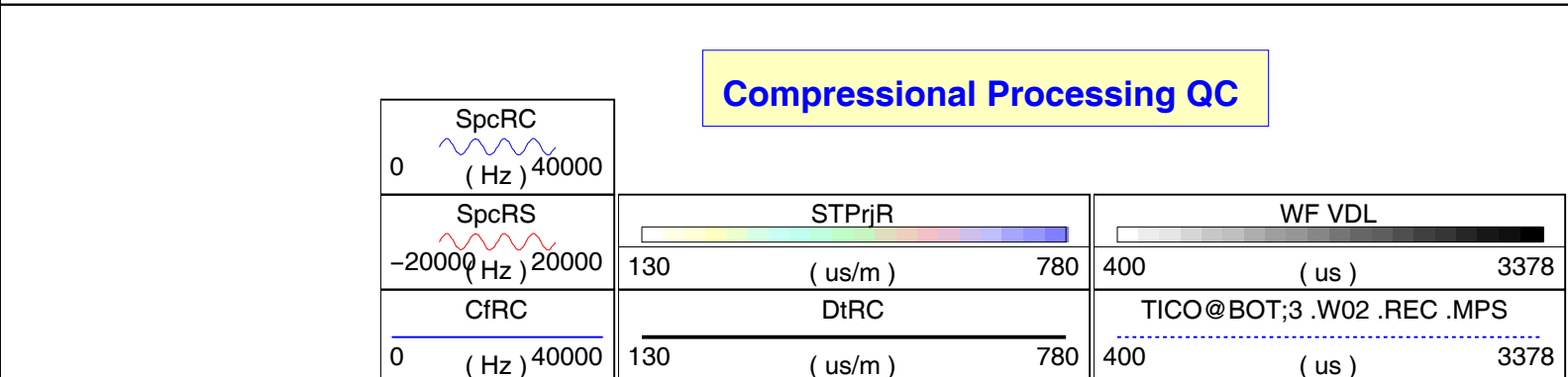
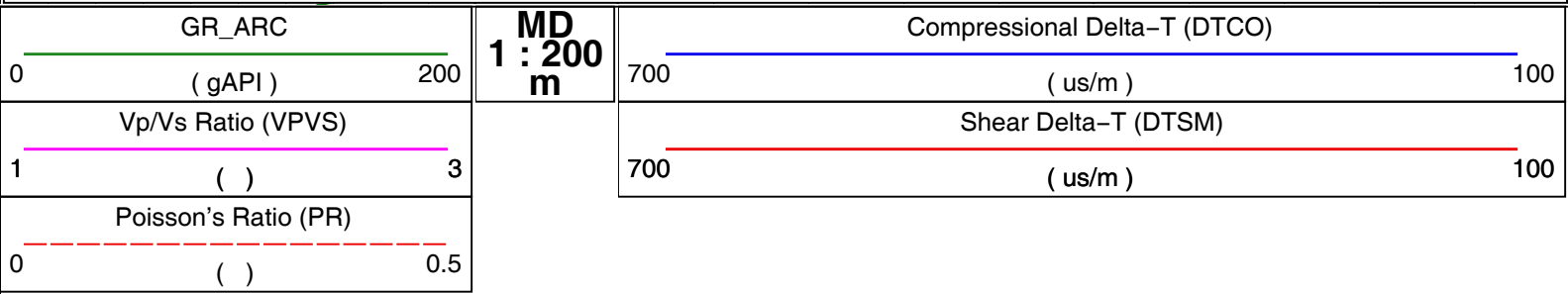
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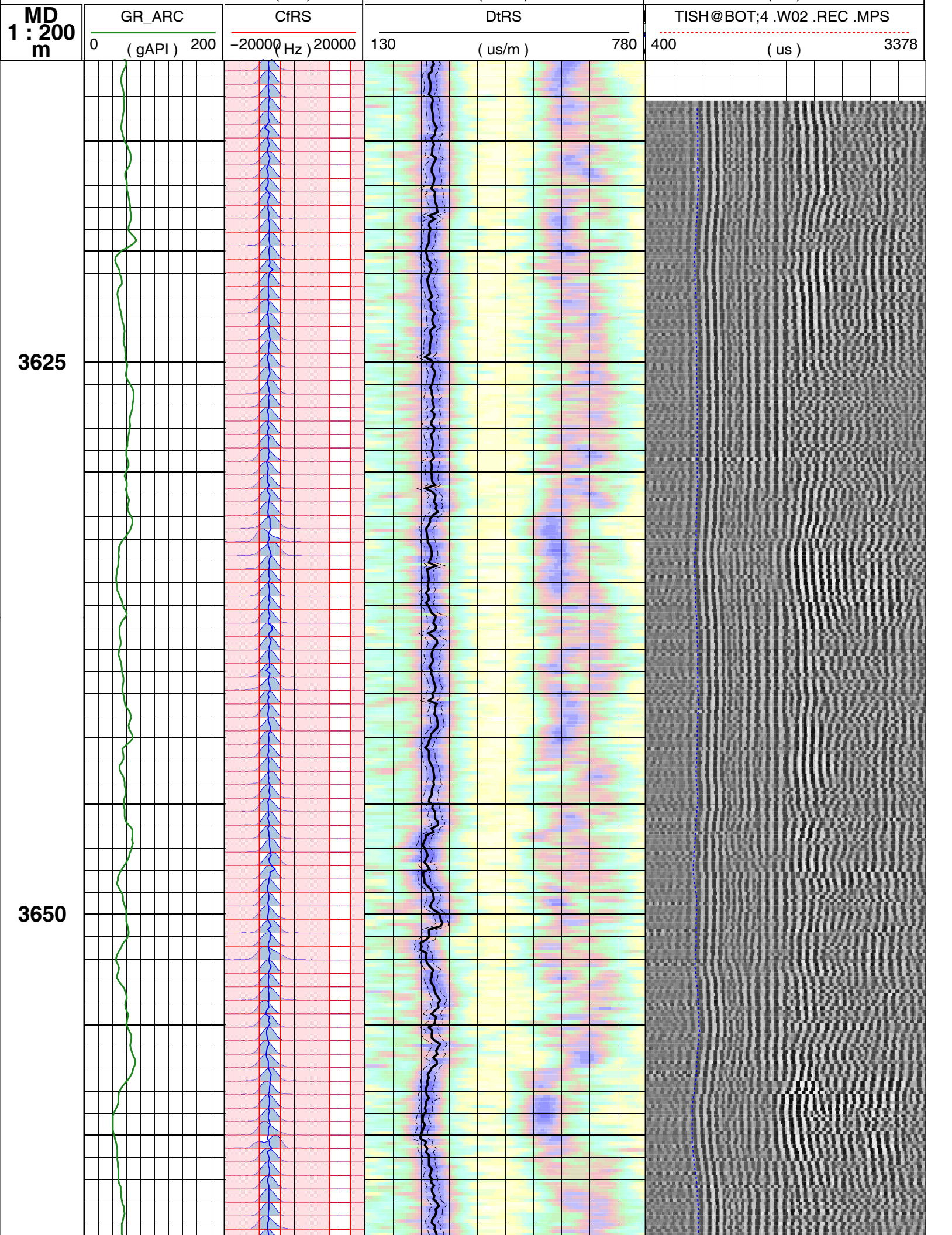




--- Finalization Result ---

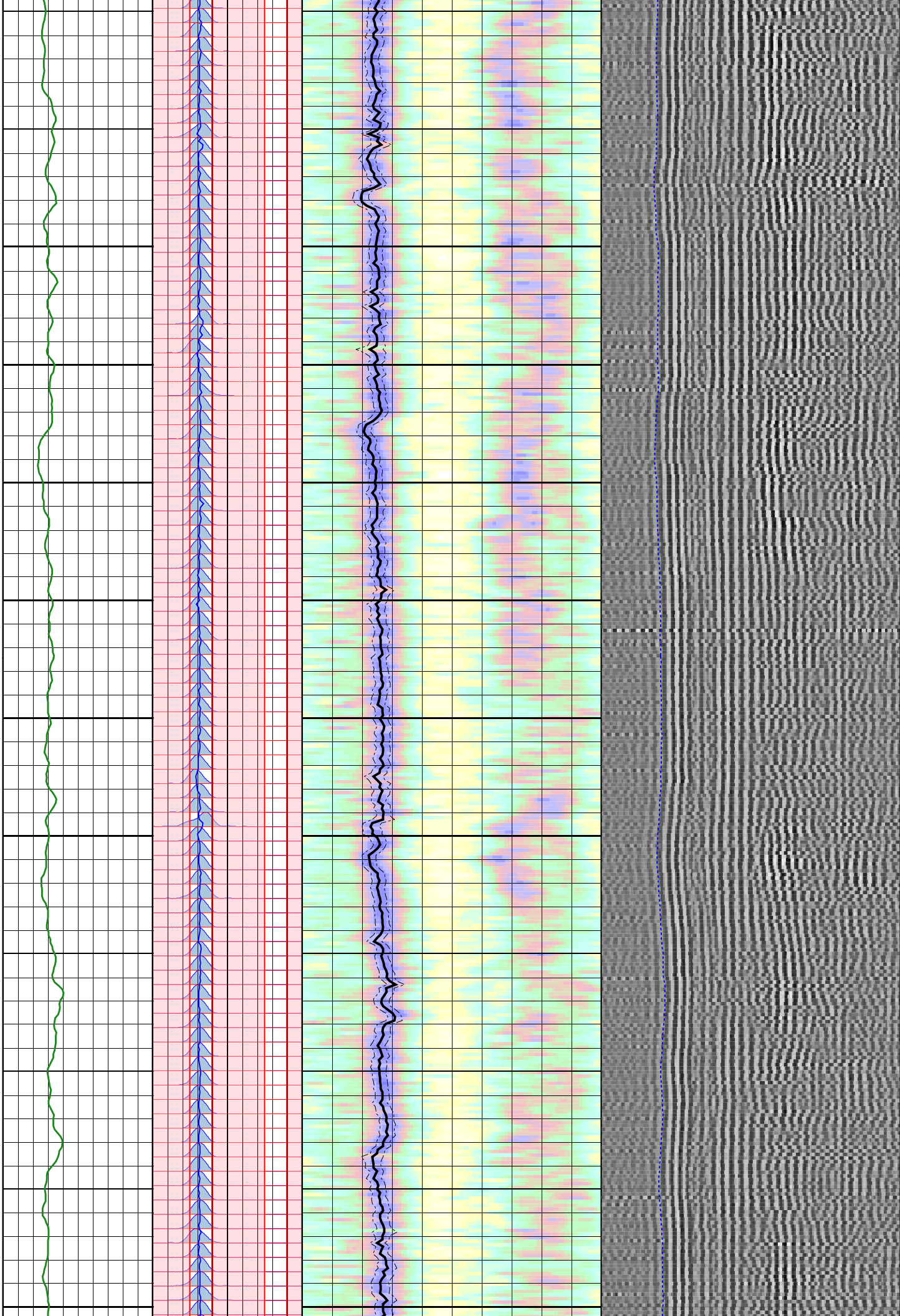
1	MPS Compressional	Receiver	Absent levels=	0	
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1	MPS Shear	Receiver	Absent levels=	5060	
2	MPS Shear	Receiver	Absent levels=	4396	
1	MPS Compressional	Not-DDBHC	Absent levels=	0	*Selected*
2	MPS Compressional	Not-DDBHC	Absent levels=	5060	
1	MPS Shear	Not-DDBHC	Absent levels=	5060	
2	MPS Shear	Not-DDBHC	Absent levels=	4396	*Selected*





3675

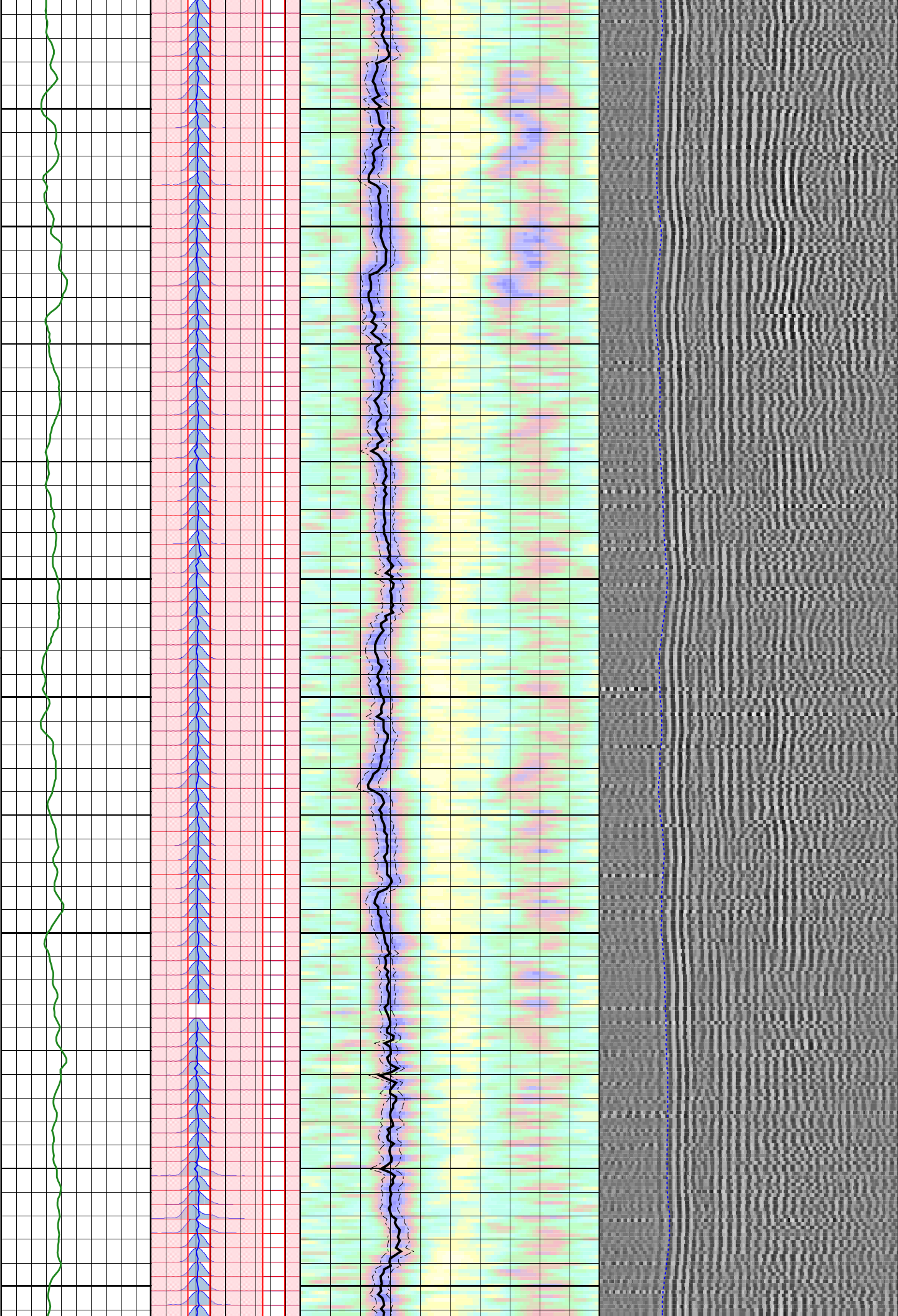
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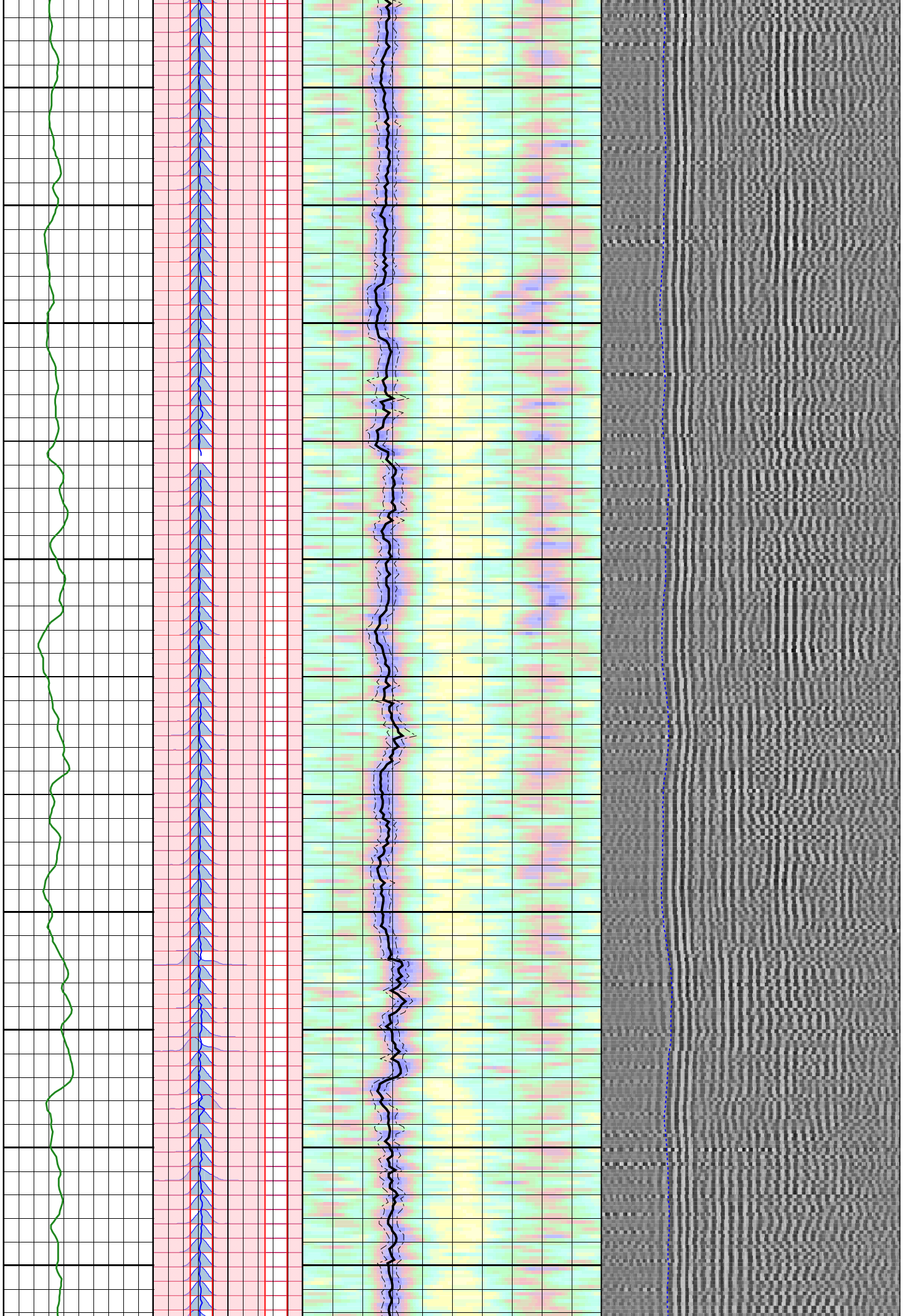
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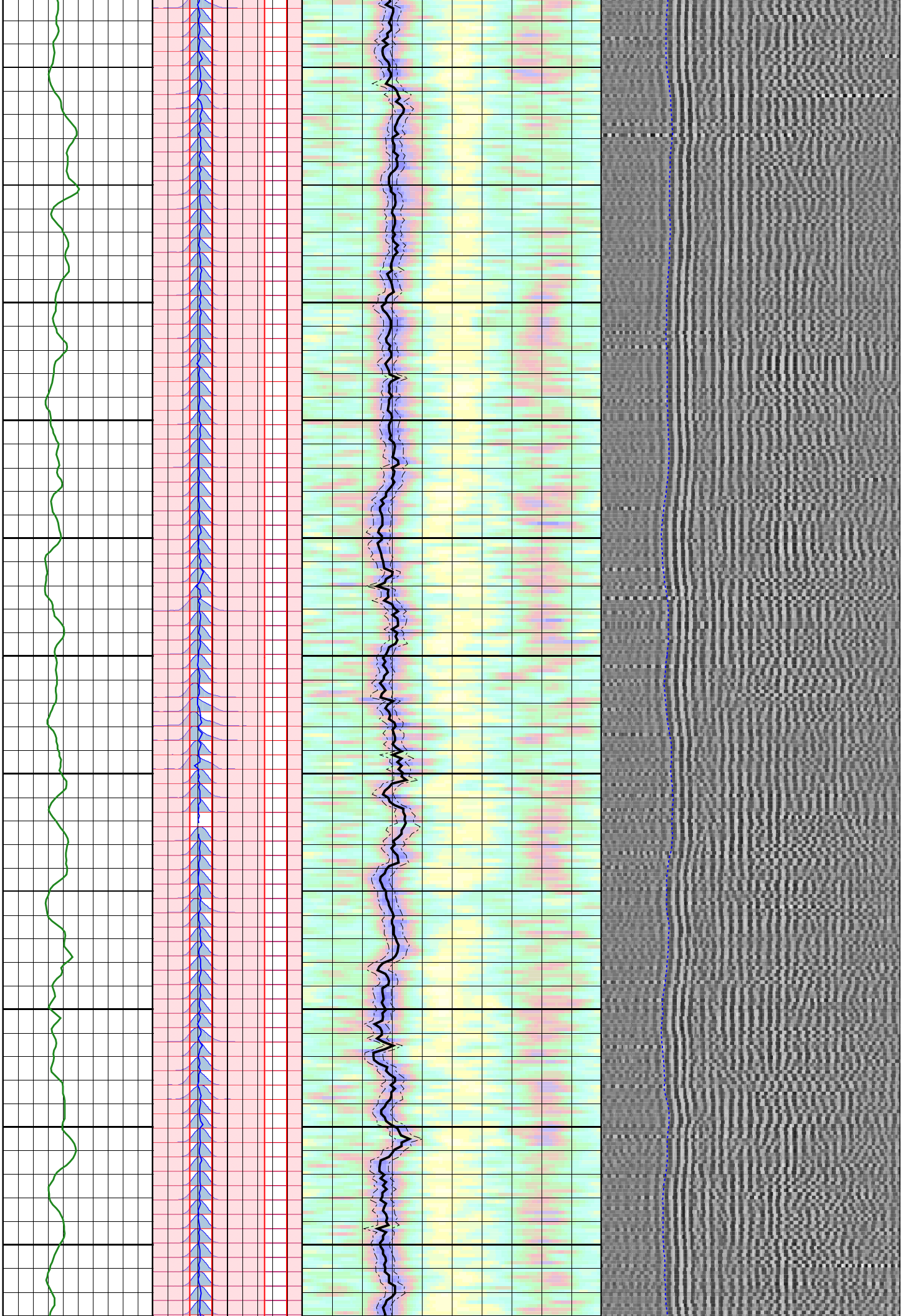
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3825



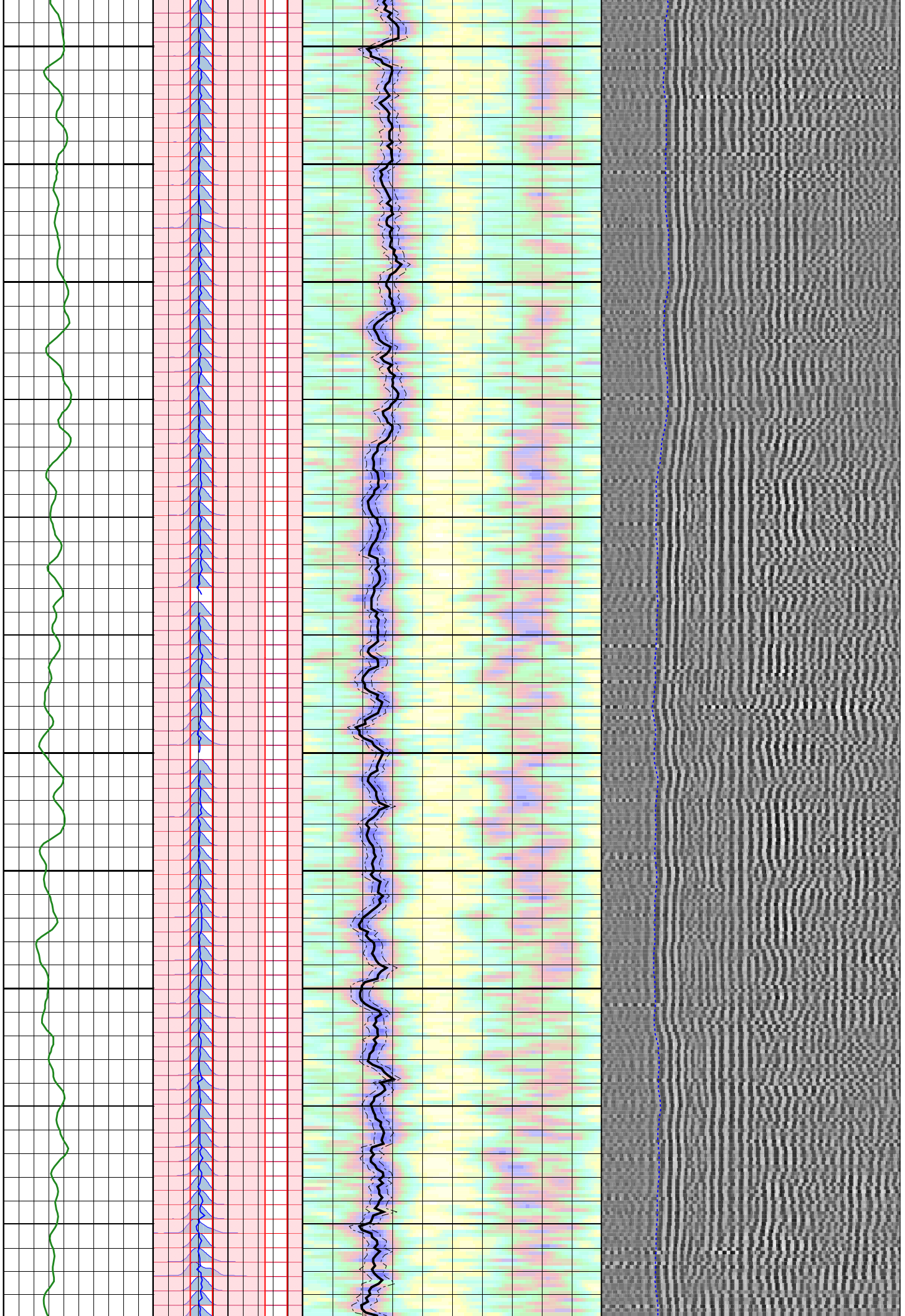
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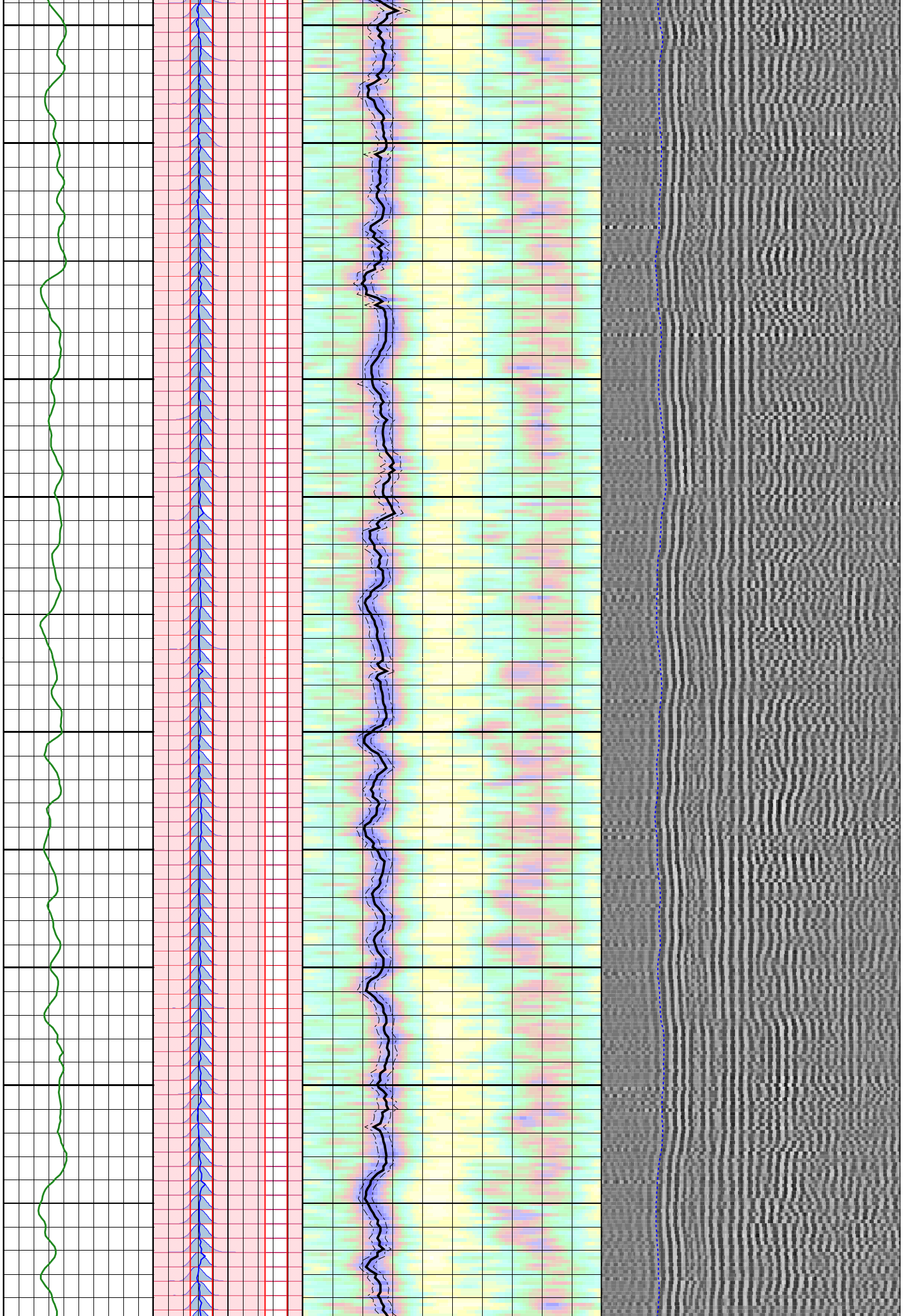
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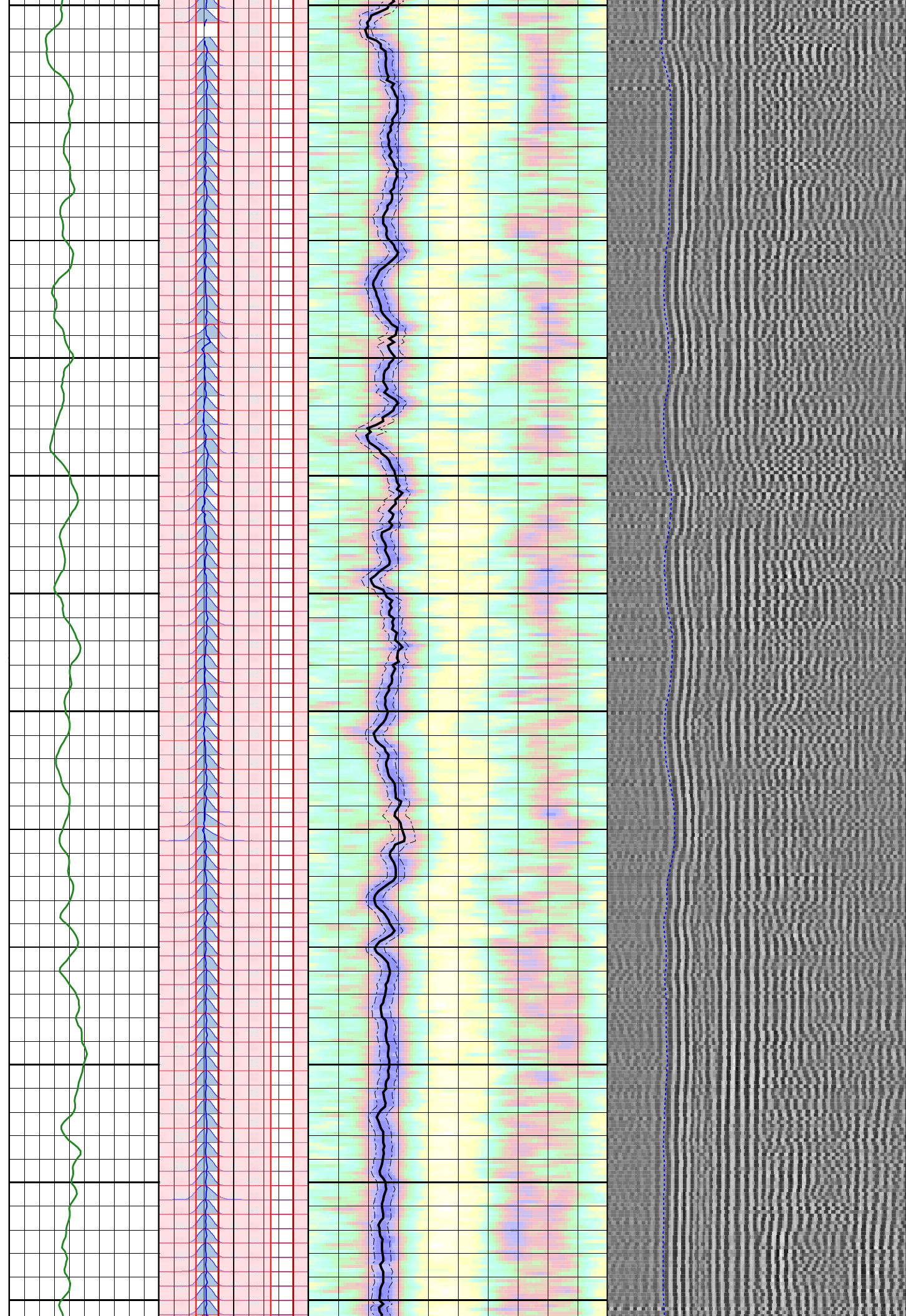
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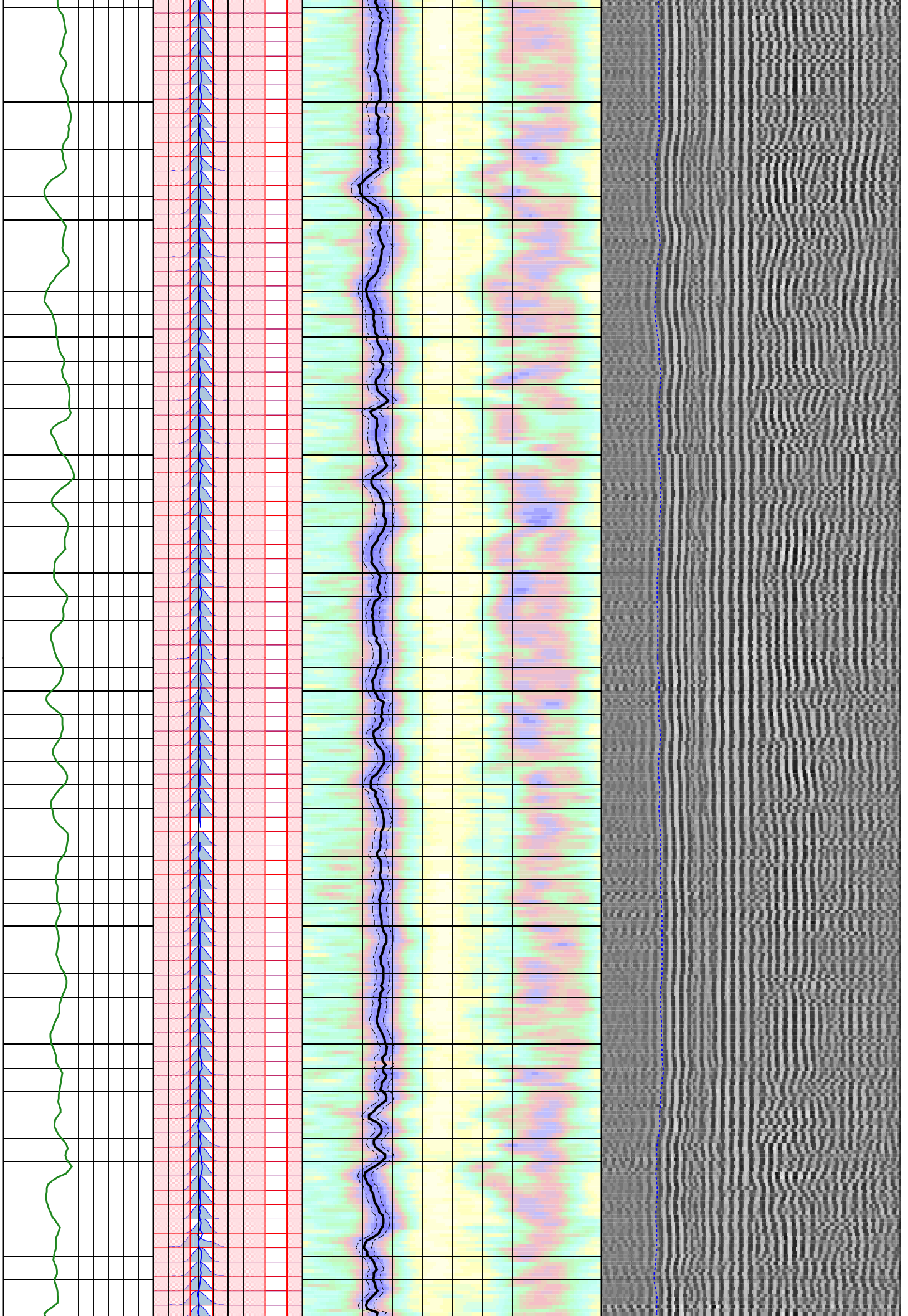
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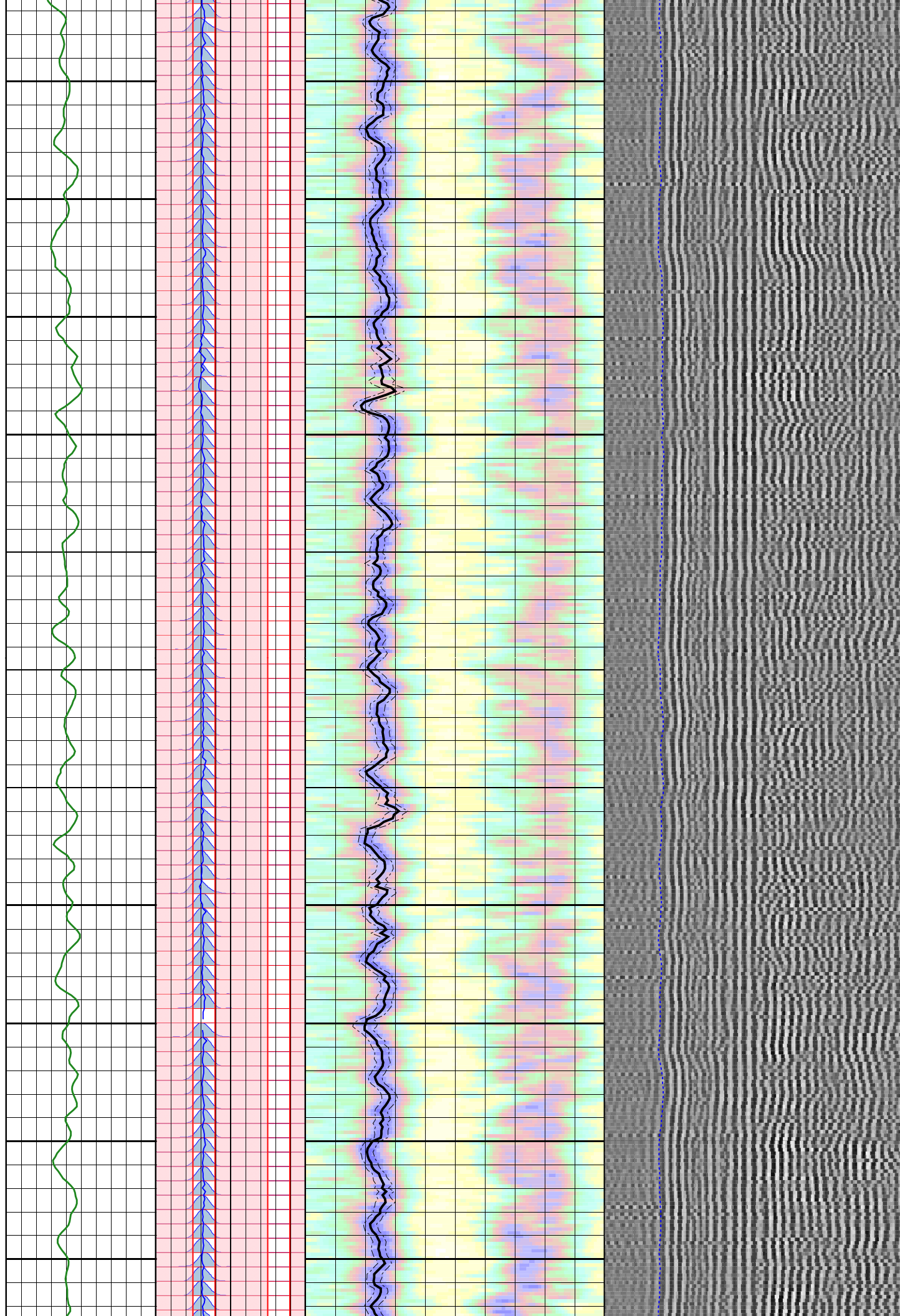
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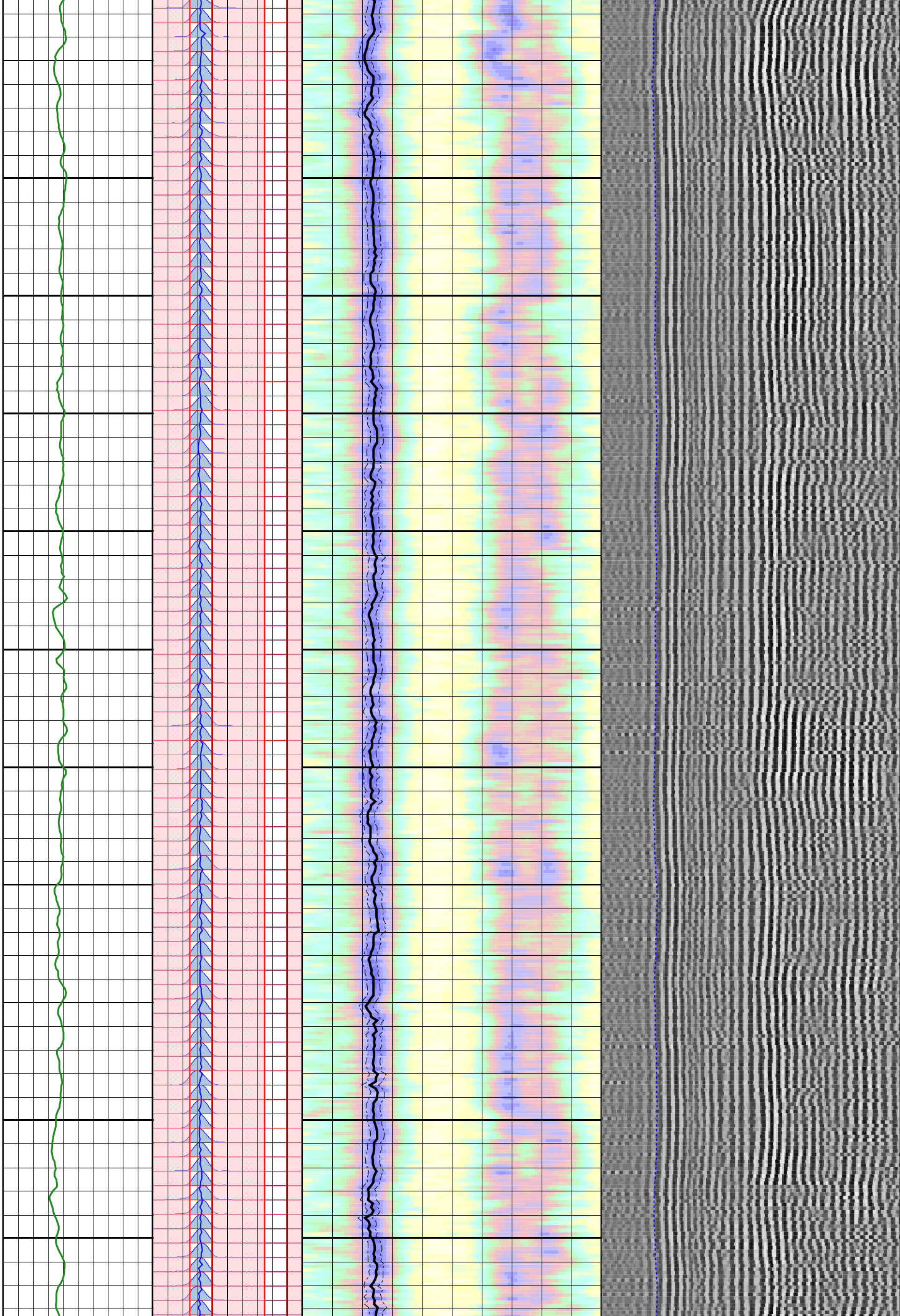
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4150



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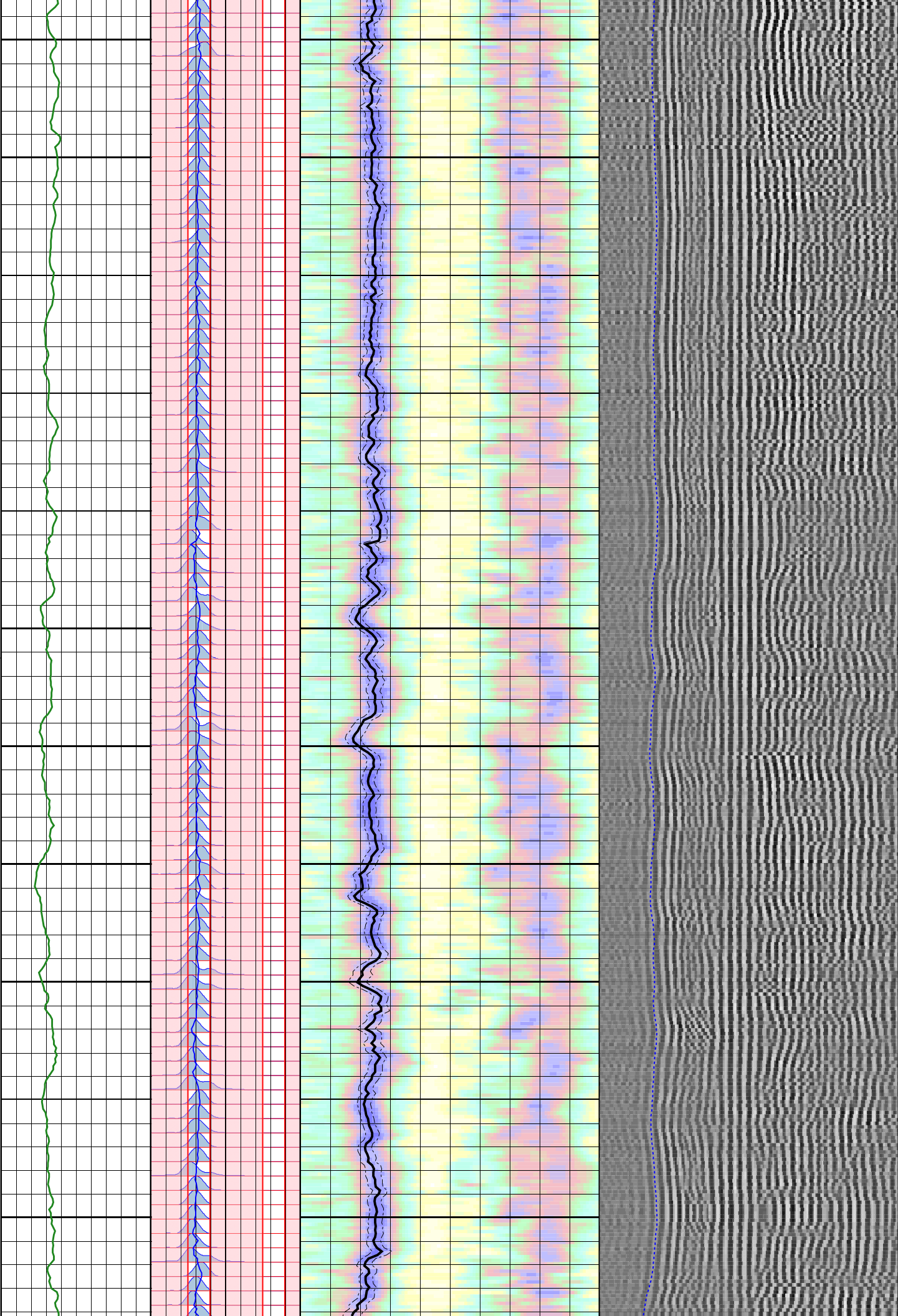
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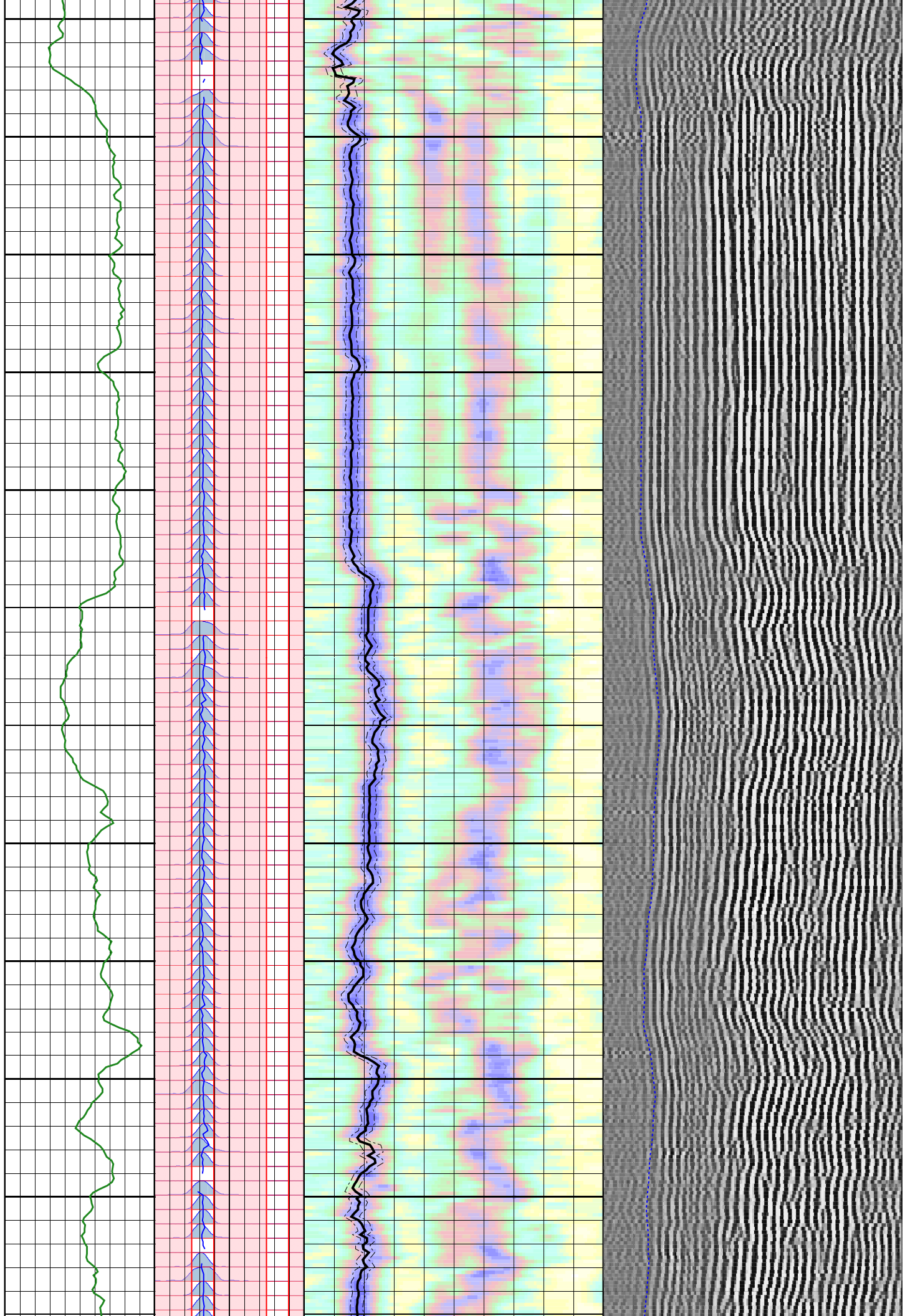
4250

4275



4300

4325



4350

4375

Customized Process: Start Depth (4382.37 m), Stop Depth (3611.37 m), Logging Mode (ISONIC – MPS_WIDE)

Noise Cut Filtering(No), Casing Cut Filtering(No)

WF_FLG(1 1 1 1), MUD_TYPE(OBM), DTMUD(721.785), STCAL(Full Array)

TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)

Hole Diameter (no input)

Zoning Guide (DTBC_ISON_RM@Run_2;6 (3611.27 – 4382.41 m))

Tracking Guide (DTBC_ISON_RM@Run_2;6 (3611.27 – 4382.41 m))

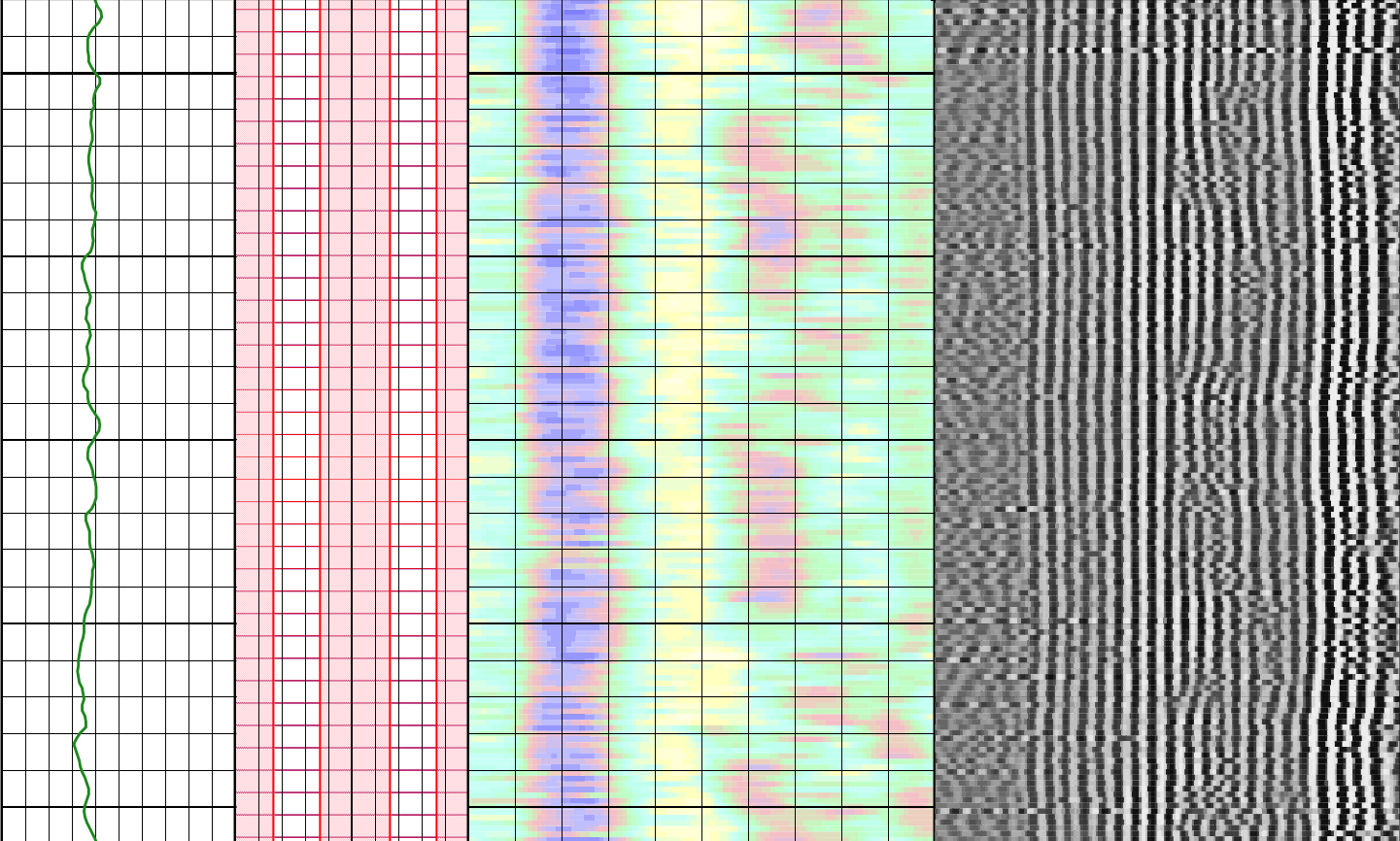
--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(8.5)
TWI(238.281), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

<div>MD 1 : 200 m</div>	<div>GR_ARC 0 (gAPI) 200</div>	<div>CfRS -20000 (Hz) 20000</div>	<div>DtRS 130 (us/m) 780</div>	<div>TISH@BOT;4 .W02 .REC .MPS 400 (us) 3378</div>
		<div>CfRC 0 (Hz) 40000</div>	<div>DtRC 130 (us/m) 780</div>	<div>TICO@BOT;3 .W02 .REC .MPS 400 (us) 3378</div>
		<div>SpcRS -20000 (Hz) 20000</div>	<div>STPrjR 130 (us/m) 780</div>	<div>WF VDL 400 (us) 3378</div>
		<div>SpcRC 0 (Hz) 40000</div>		

Shear Processing QC

<div>MD 1 : 200 m</div>	<div>GR_ARC@ASCII 0 (gAPI) 200</div>	<div>SpcRC 0 (Hz) 30000</div>	<div>STPrjR 130 (us/m) 780</div>	<div>WF VDL 400 (us) 3378</div>
		<div>SpcRS -15000 (Hz) 15000</div>	<div>DtRC 130 (us/m) 780</div>	<div>TICS 400 (us) 3378</div>
		<div>CfRC 0 (Hz) 30000</div>	<div>DtRS 130 (us/m) 780</div>	<div>TISS 400 (us) 3378</div>
		<div>CfRS -15000 (Hz) 15000</div>		

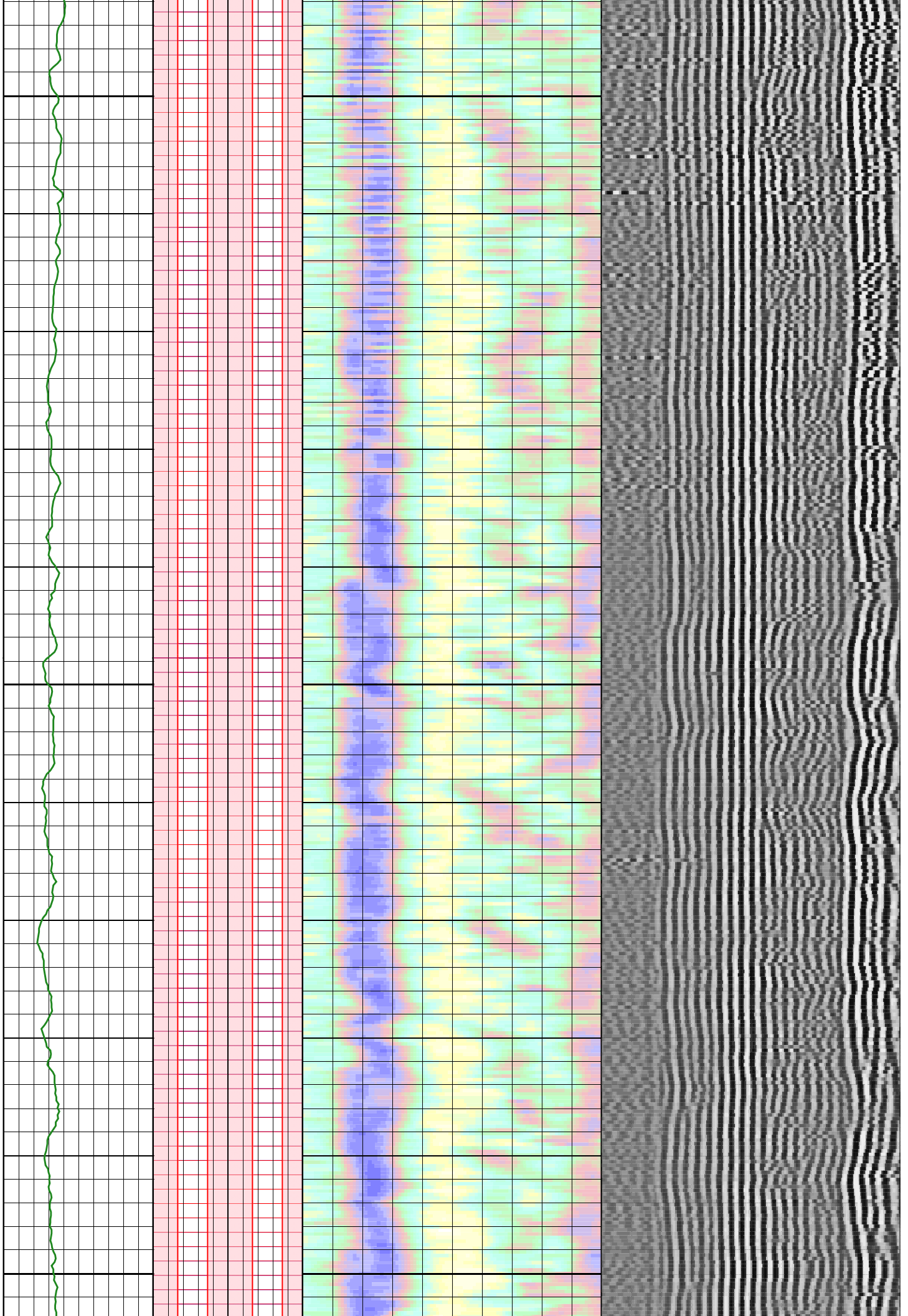
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4225

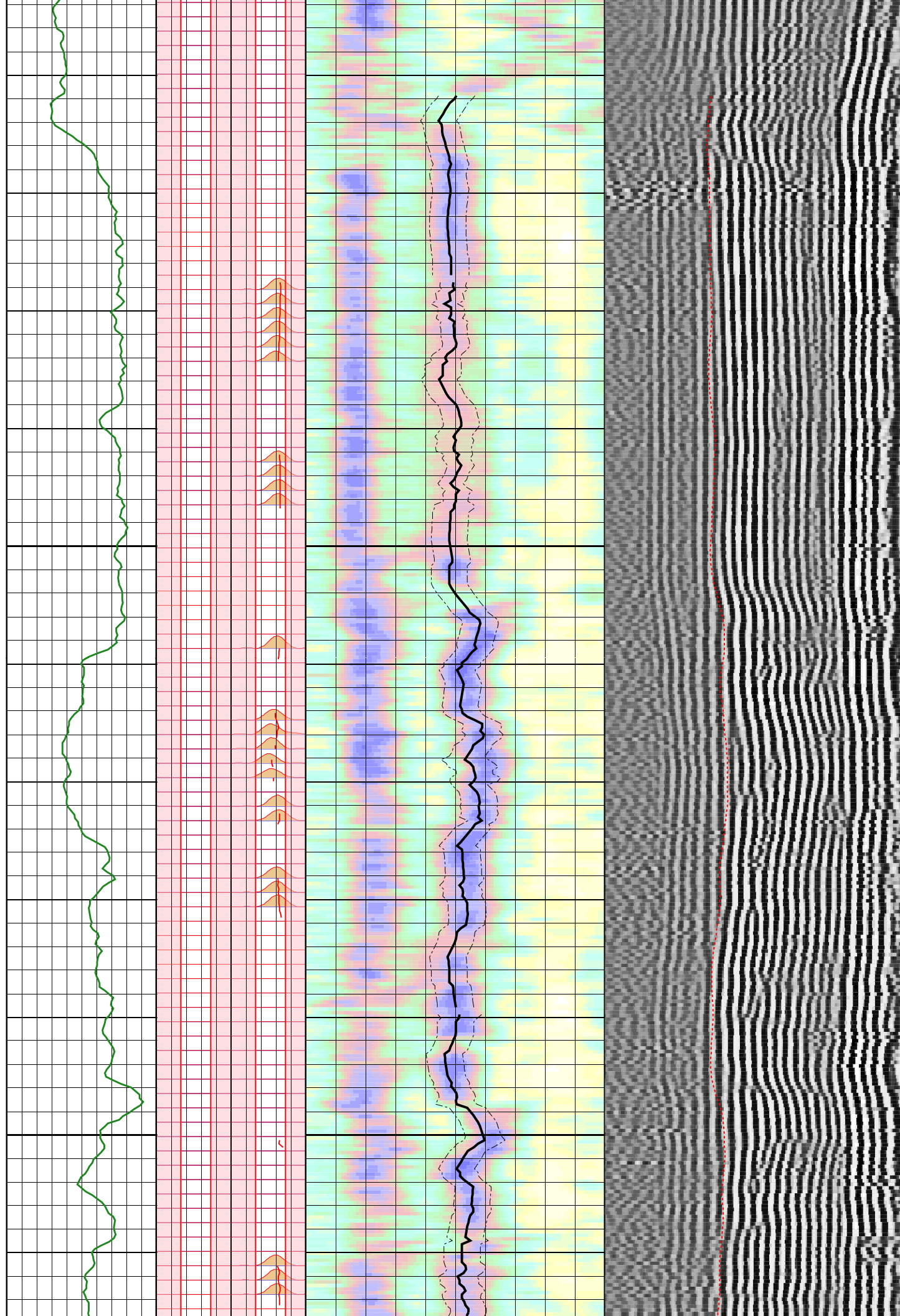
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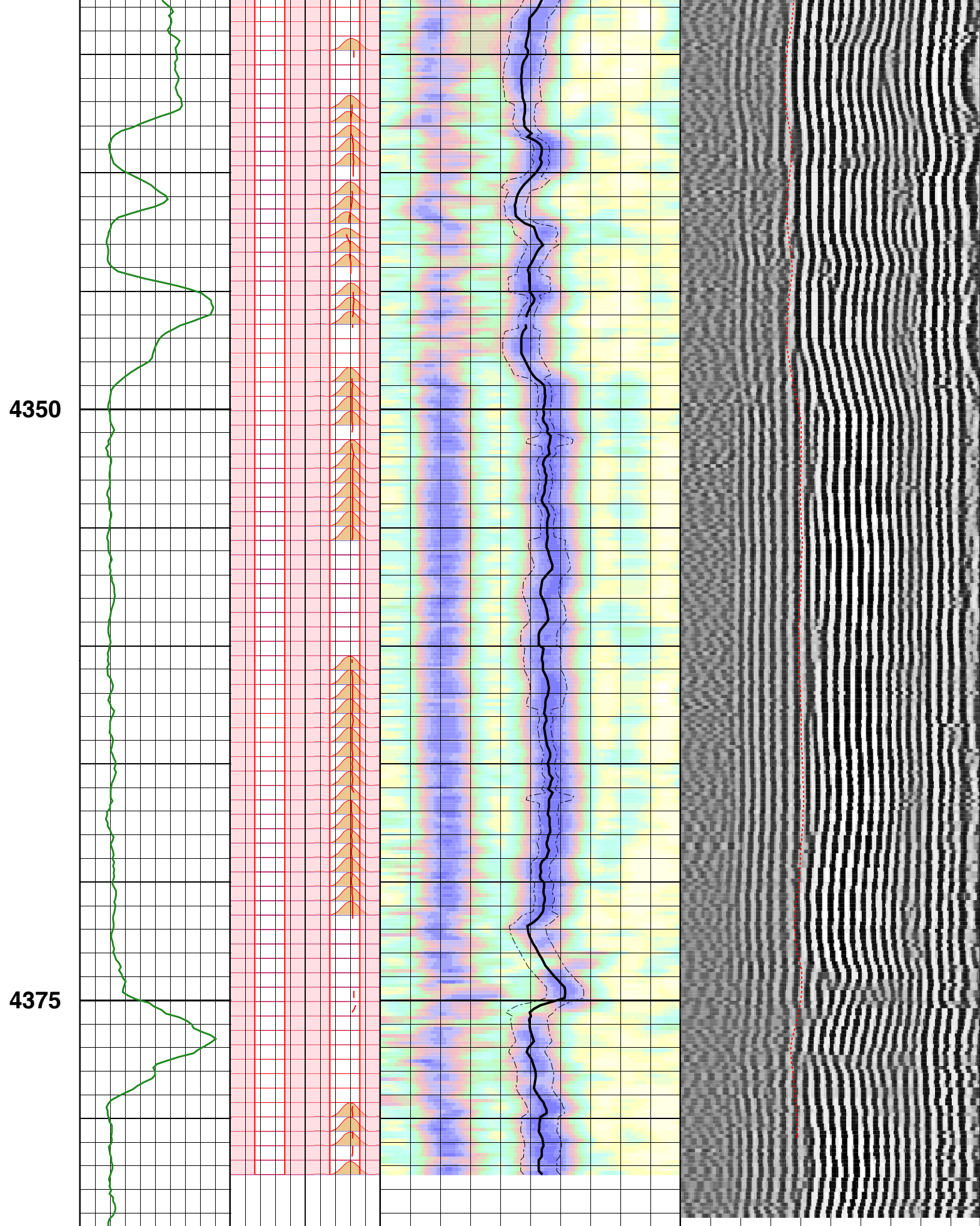
4275



4300

4325





Customized Process: Start Depth (4382.37 m), Stop Depth (3611.37 m), Logging Mode (ISONIC - MPS_WIDE)
Noise Cut Filtering(No), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(OBM), DTMUD(721.785), STCAL(Full Array)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)

Hole Diameter (no input)
Zoning Guide (DTBC_ISON_RM@Run_2;6 (3611.27 – 4382.41 m))
Tracking Guide (DTRP@BOT;2 .CO .MPS_WIDE .ISONIC .SWP .BDT .EDT (4382.37 – 3611.37 m))

--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(8.5)
TWI(238.281), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(47*), FLOW(5000*), FHIGH(11000*)
TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

<div>MD</div> <div>1 : 200</div> <div>m</div>	<div>GR_ARC@ASCII</div> <div>0 (gAPI) 200</div>	<div>CfRS</div> <div><div>-15000 (Hz) 15000</div></div>	<div>DtRS</div> <div><div>130 (us/m) 780</div></div>	<div>TISS</div> <div><div>400 (us) 3378</div></div>
		<div>CfRC</div> <div><div>0 (Hz) 30000</div></div>	<div>DtRC</div> <div><div>130 (us/m) 780</div></div>	<div>TICS</div> <div><div>400 (us) 3378</div></div>
		<div>SpcRS</div> <div><div>-15000 (Hz) 15000</div></div>	<div>STPrjR</div> <div><div>130 (us/m) 780</div></div>	<div>WF VDL</div> <div><div>400 (us) 3378</div></div>
		<div>SpcRC</div> <div><div>0 (Hz) 30000</div></div>		