SANDRIDGE
THE POWER OF US™

Triple Combo
4-Mineral/Dual Water
NMR
Core Data

API WELL NO. 15097217650100

CLIENT

COMPANY SANDRIDGE EXPLORATION AND PRODUCTION LLC

WELL MILLY 3020 1-19H

FIELD EXCEL

COUNTY KIOWA STATE KANSAS

LOCATION : TWP: - Range: - Sec.
740FSL 1900FWL
740' FSL & 1980' FWL

OTHER COMPUTATIONS
Rw=0.03

PERMANENT DATUM GR ELEV. -999.25
LOG MEASURED FROM KB , ABOVE PERM DATUM
DRILLING MEASURED FROM KB

ELEV K.B. 2227
D.F.
G.L. 2209

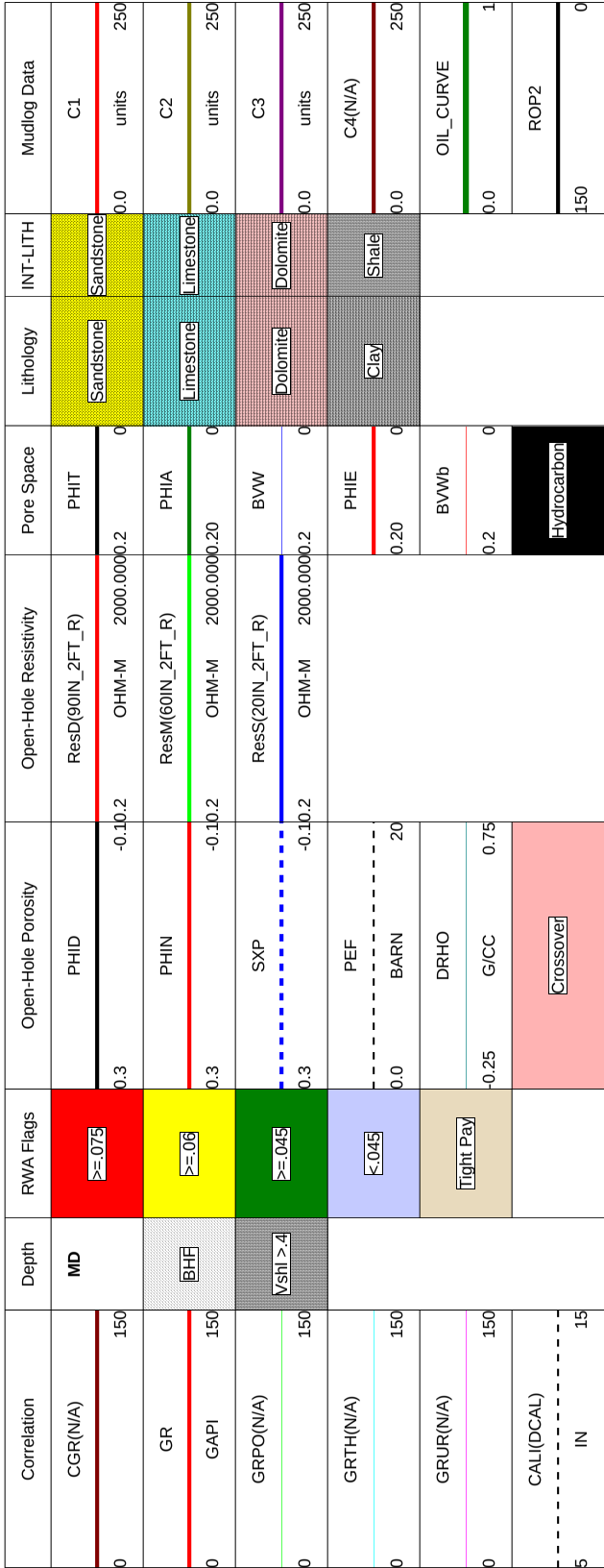
DATE	30 - DEC - 1899			
RUN NO.				
DEPTH - DRILLER				
DEPTH - LOGGER	8625			
BOTTOM LOGGED INTERVAL	8625			
TOP LOGGED INTERVAL	5065			
CASING - DRILLER				
CASING - LOGGER				
BIT SIZE				
TYPE FLUID IN HOLE				
CASING SIZE / CASING WEIGHT				
DENSITY / VISCOSITY				
PH / FLUID LOSS				
SOURCE OF SAMPLE				
R_M @ MEASURED TEMP.	@	@	@	@
R_{MF} @ MEASURED TEMP.	@	@	@	@
R_{MC} @ MEASURED TEMP.	@	@	@	@
SOURCE : R_{MF} R_{MC}				
R_M @ BHT	@	@	@	@
CIRCULATION STOP DATE				
MAX. REC. TEMP				
Company / LOCATION	ThruBit LLC.			
RECORDED BY				
WITNESSED BY				

FOLD HERE

Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness of any interpretation and shall not be liable or responsible for any losses, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents, or employees.

COMPUTATION
LOGS USED: Triple Combo
CENTER: OKC
REFERENCE NUMBER: []

PROGRAM: PRIZM
DATE: 7/18/2012
LOG ANALYST: Jack Austin



RWA_SXP

0.1 0.0

RWA<.045

RWA>=.06

Bulk Volume Wate

Clay Water

Bound Water

Fluorometer(N/A)

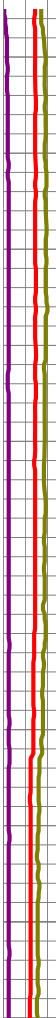
0 300

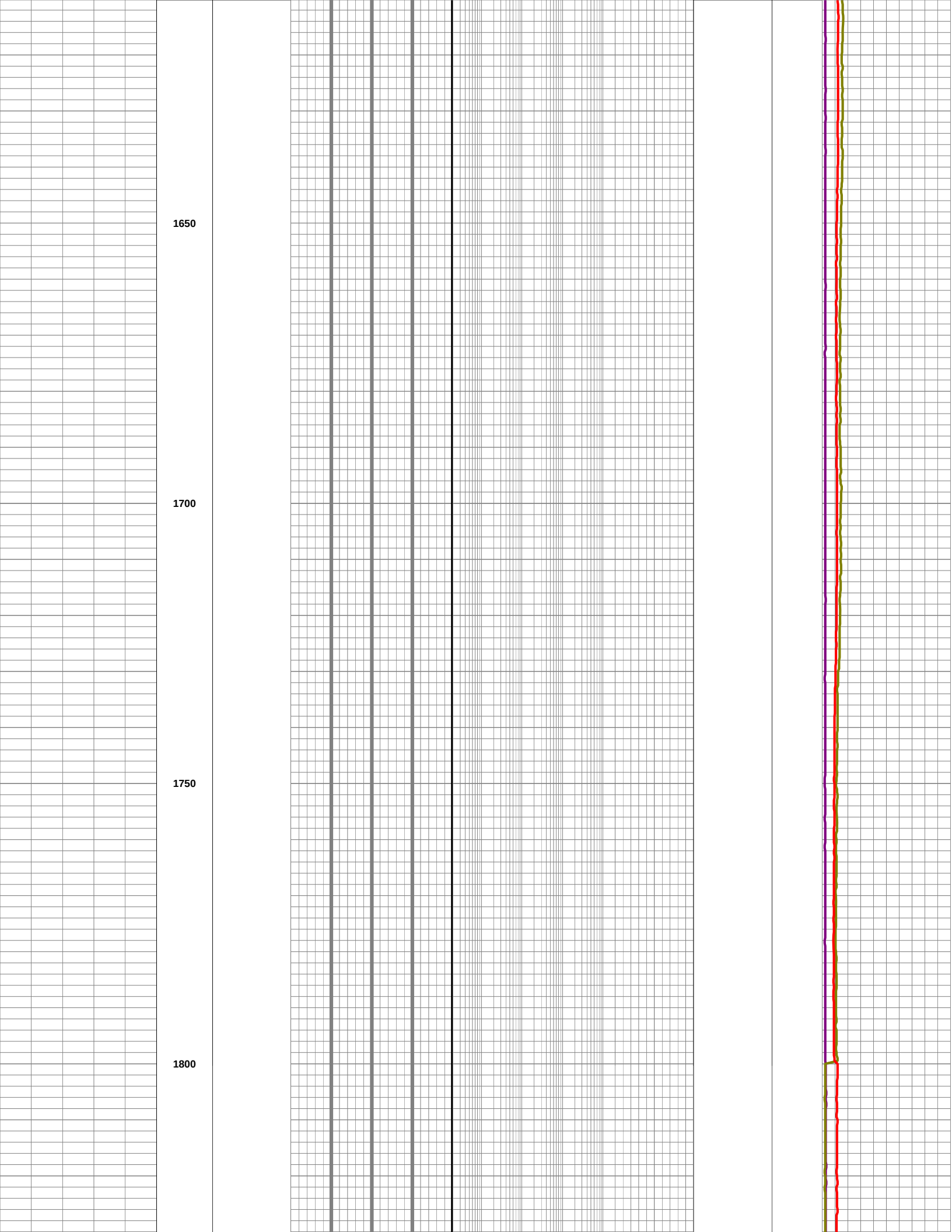
1450

1500

1550

1600

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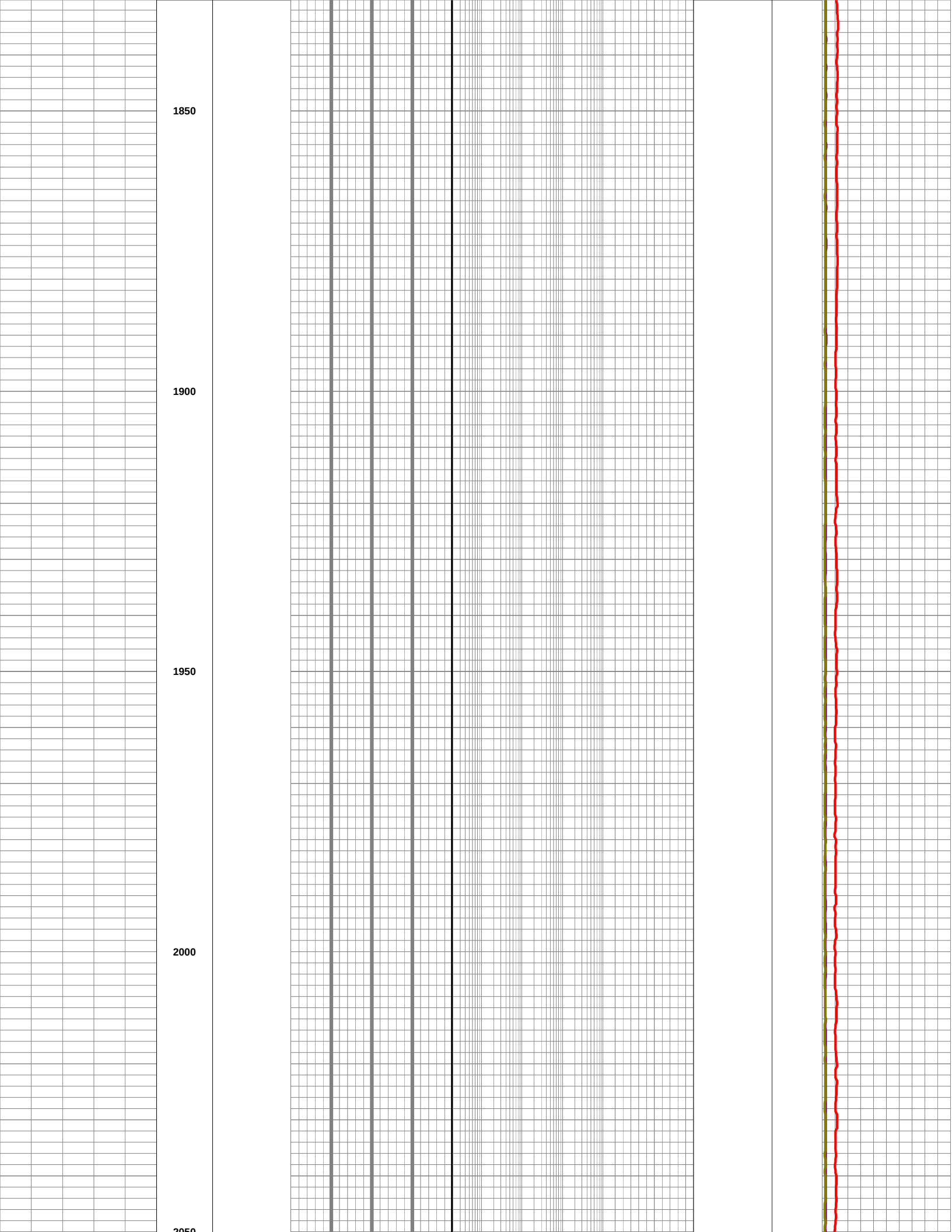
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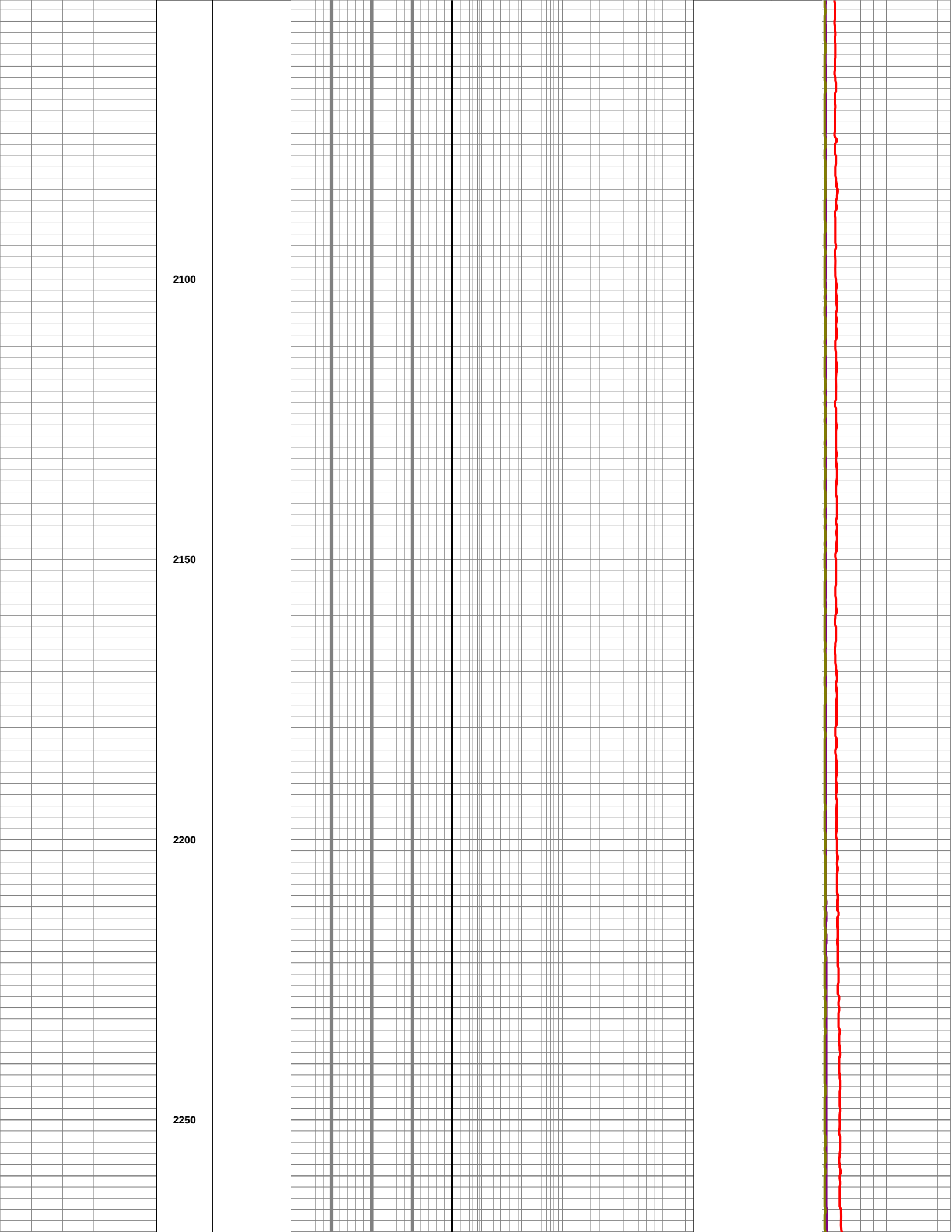
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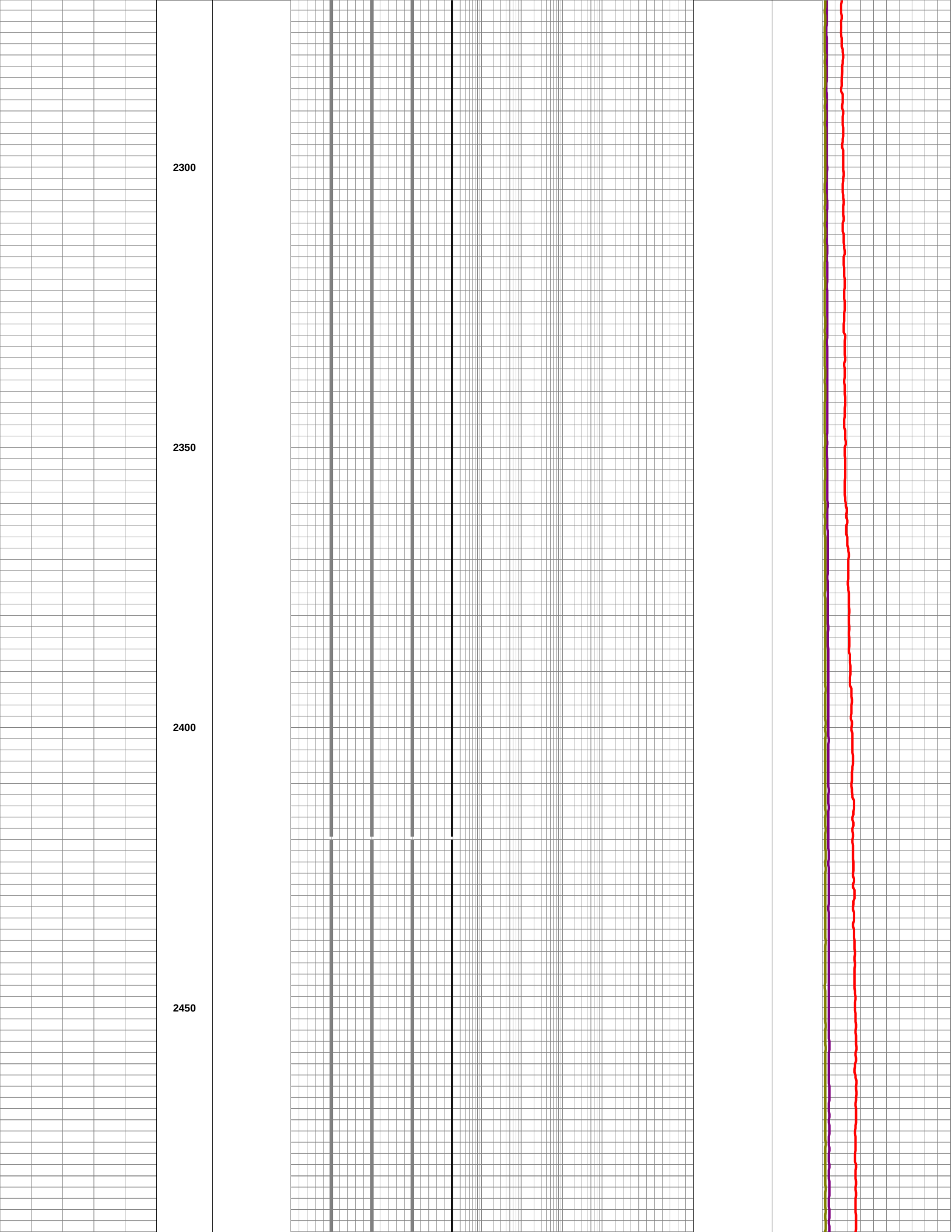
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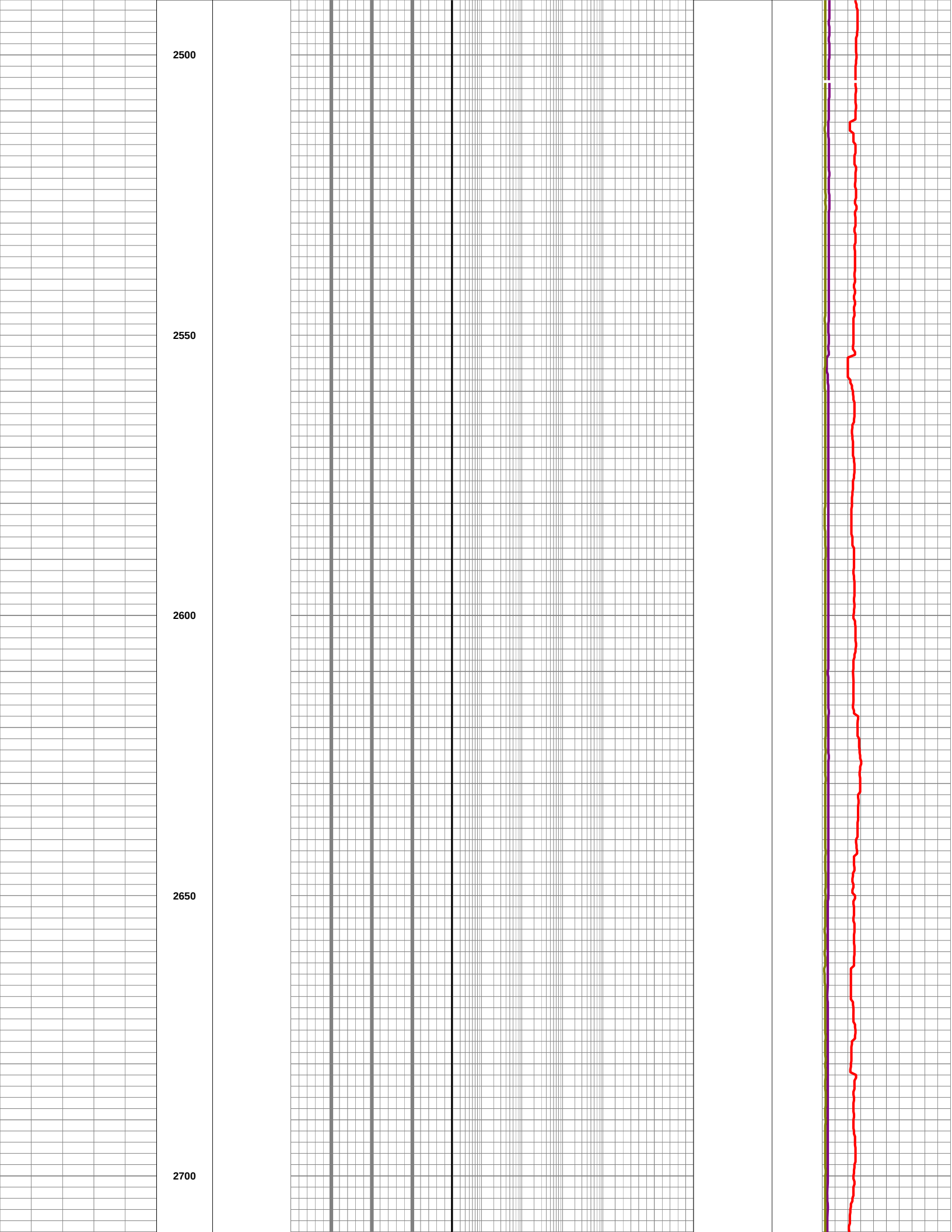
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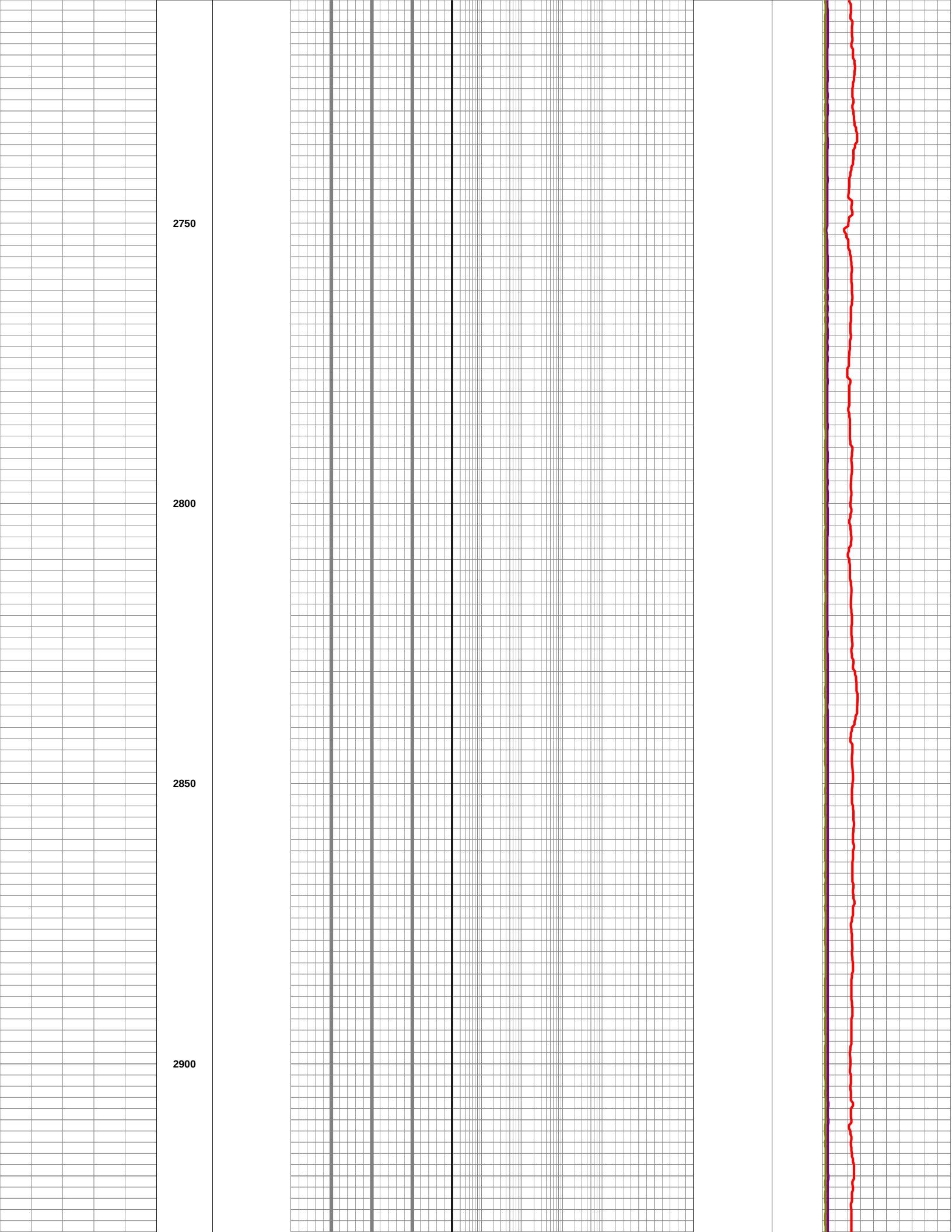
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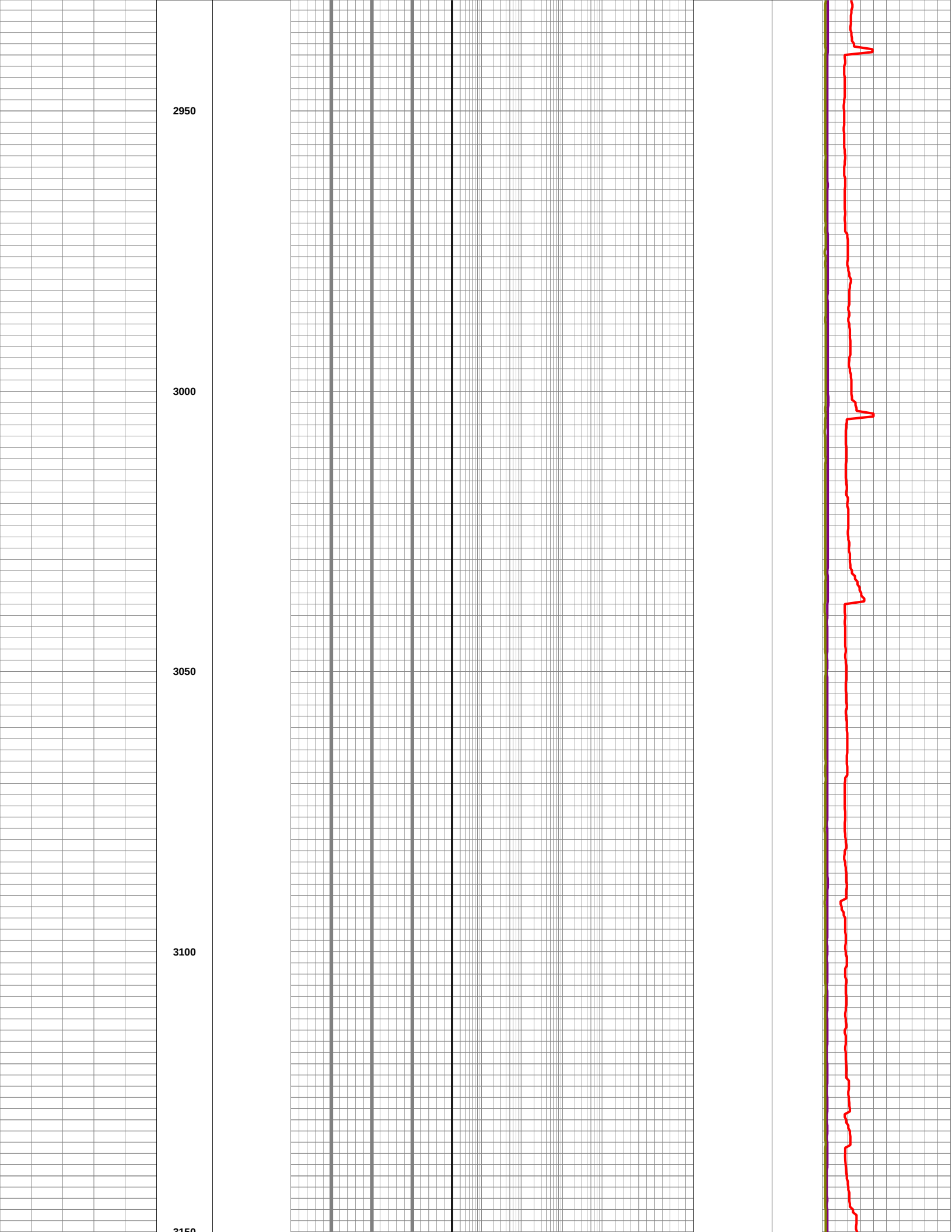
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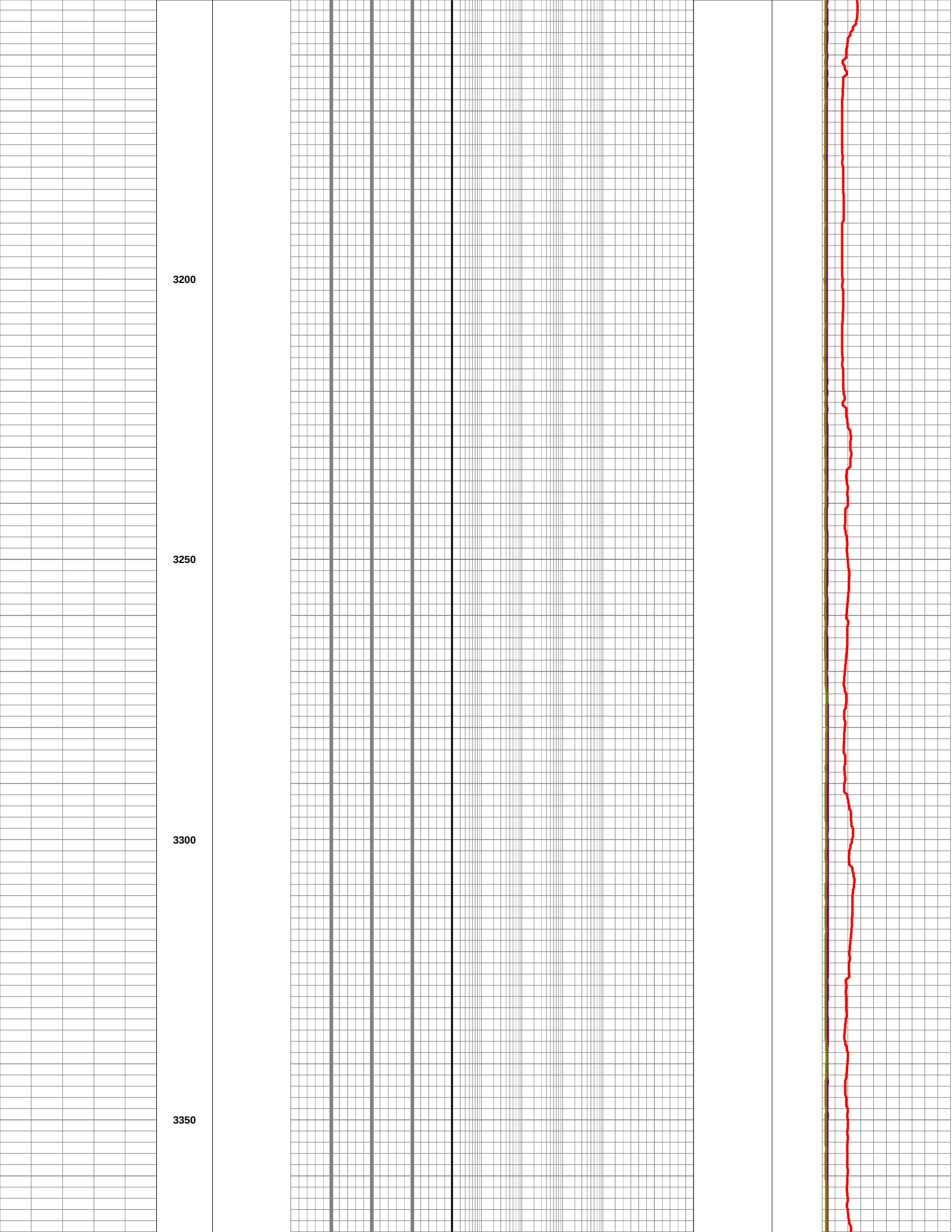
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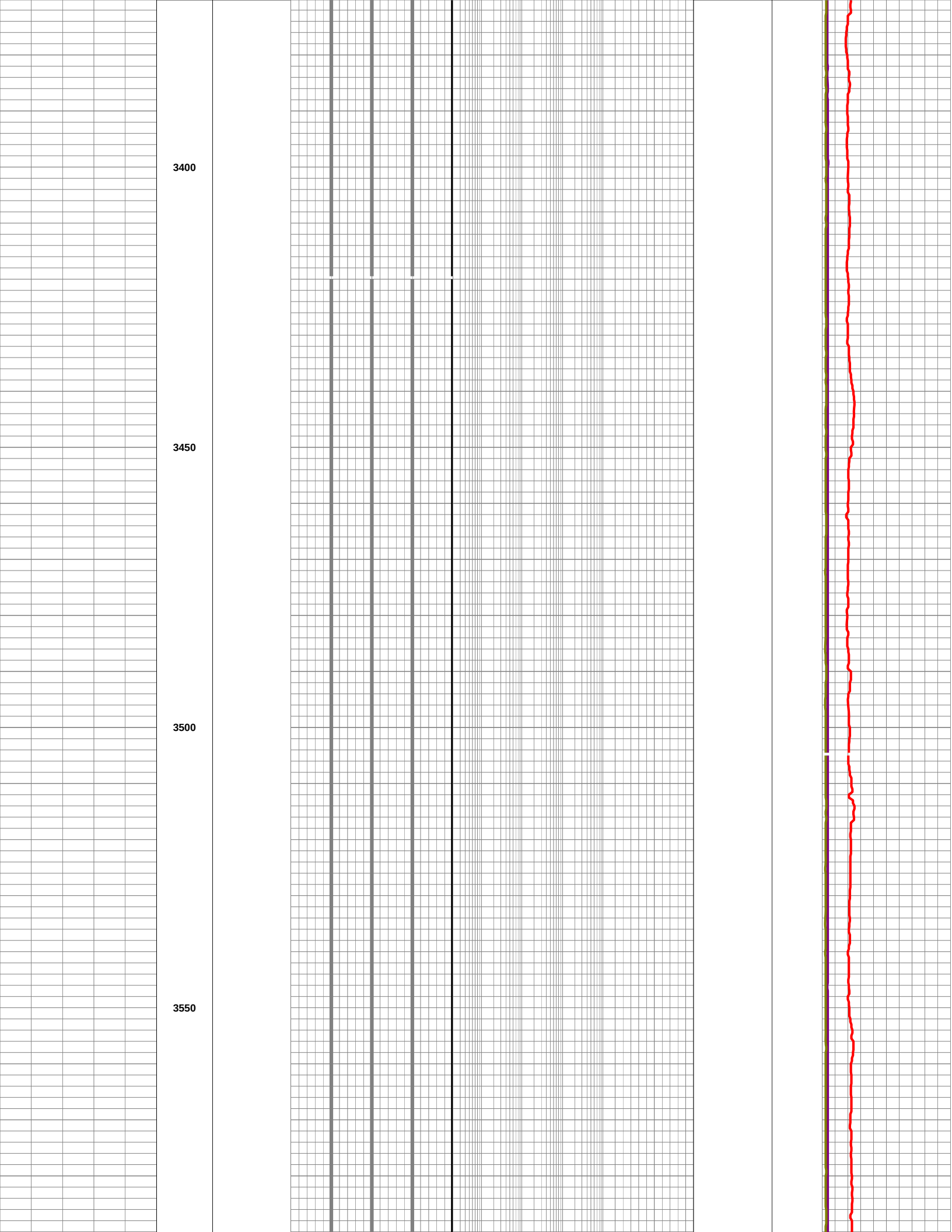
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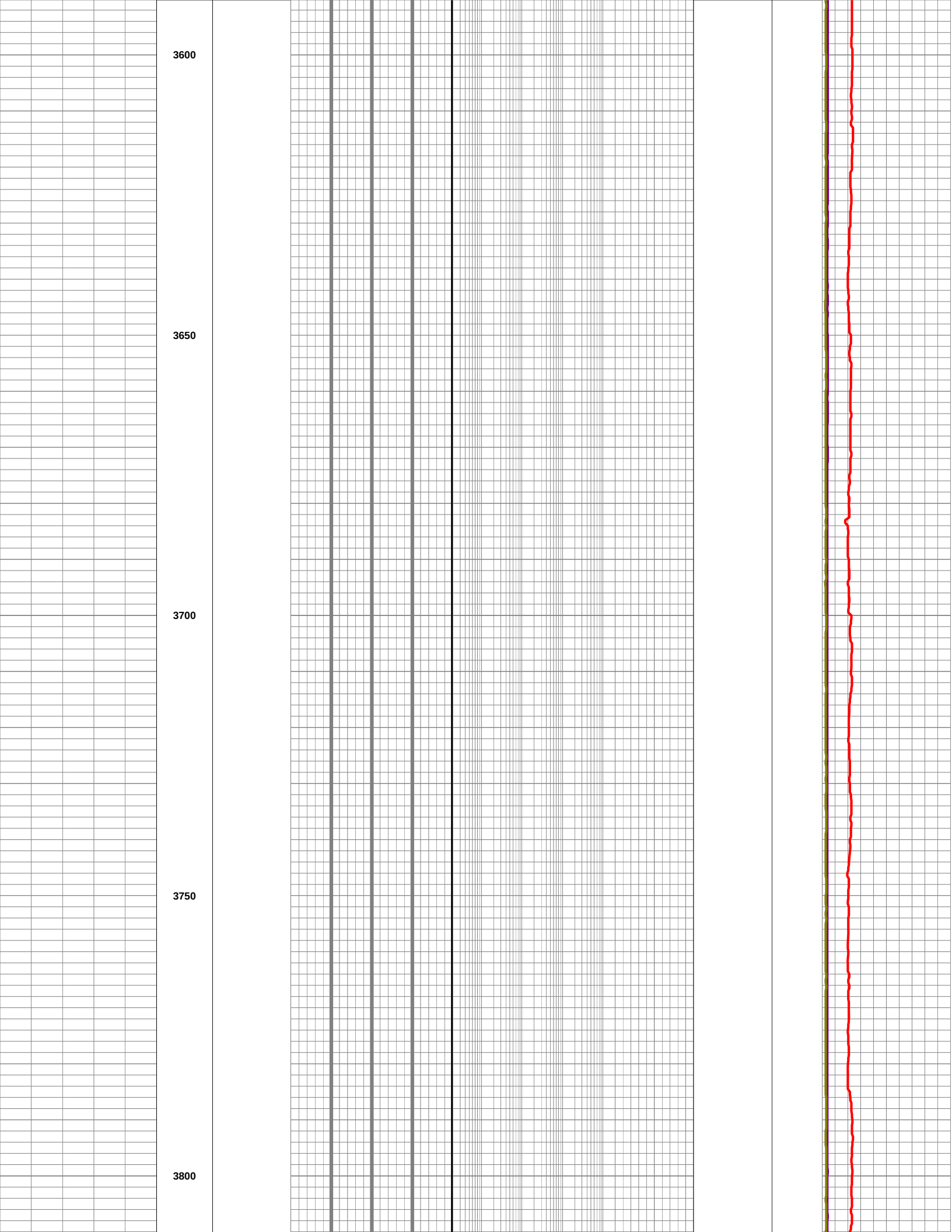
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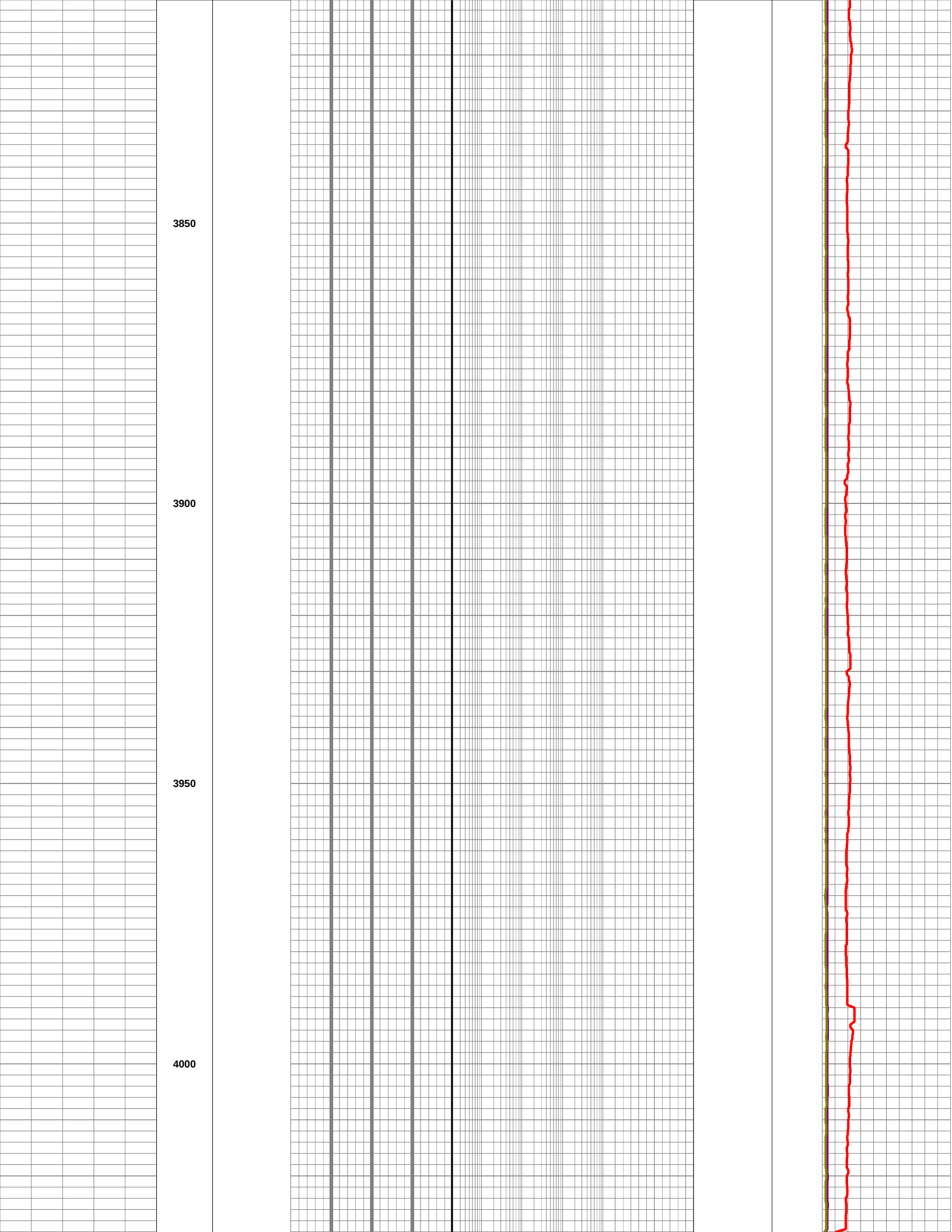
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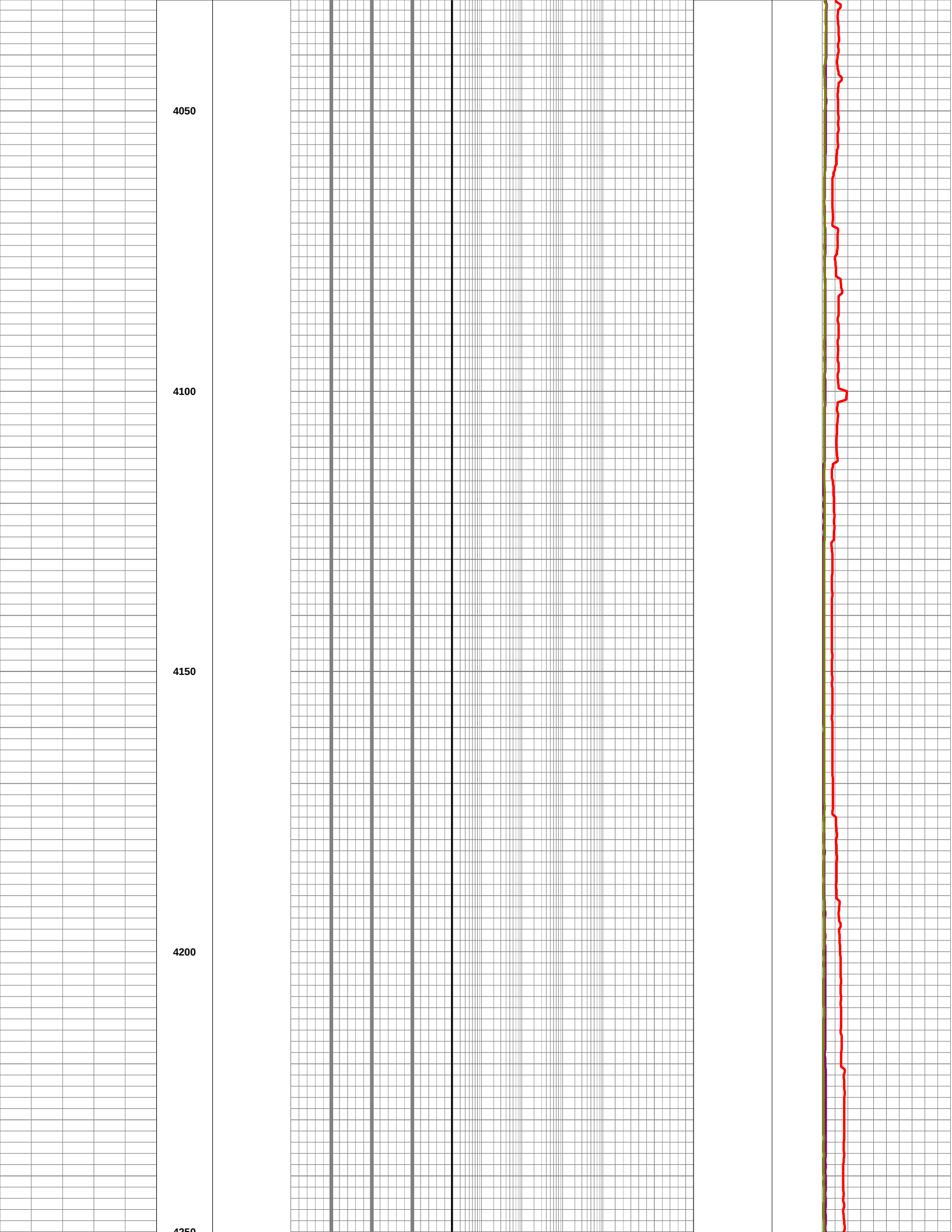
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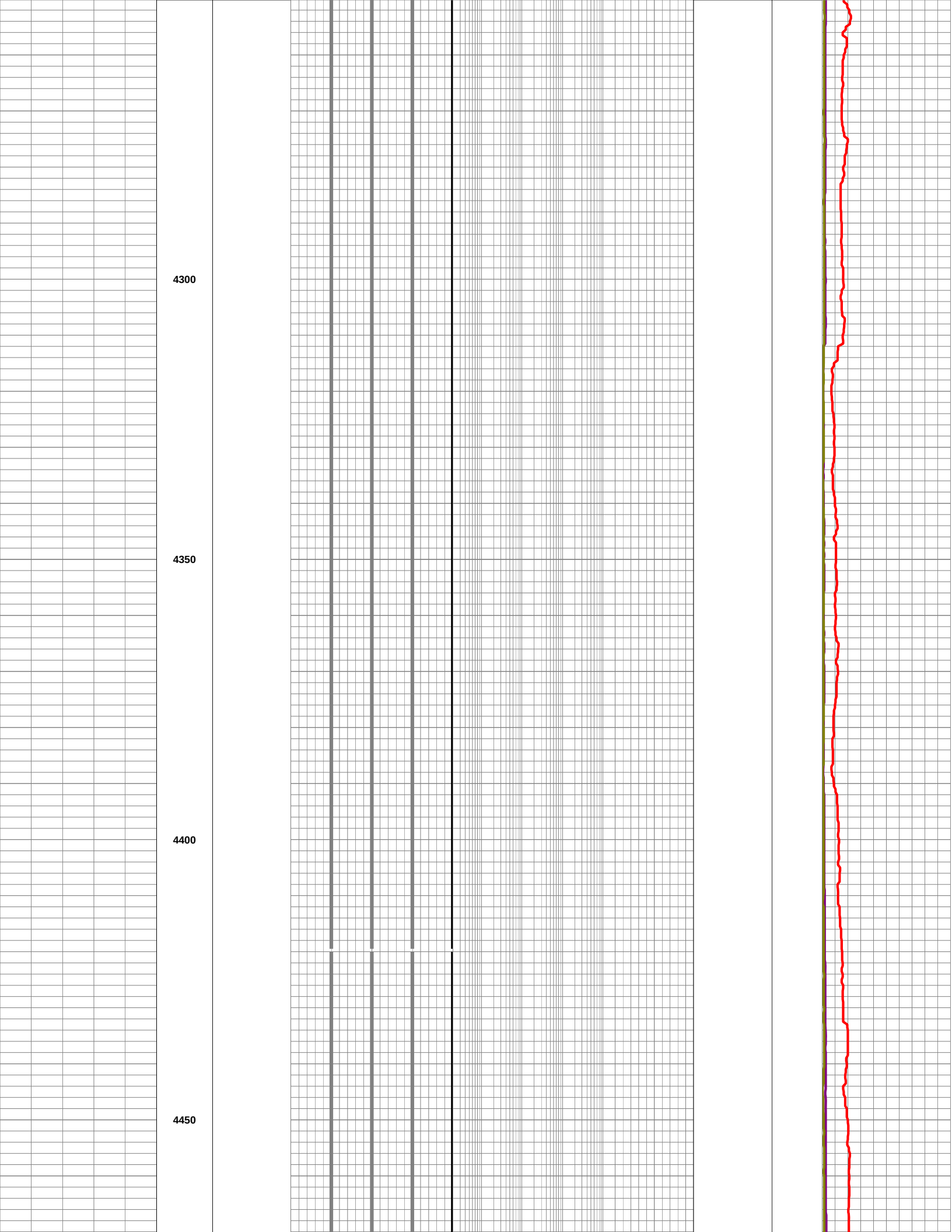
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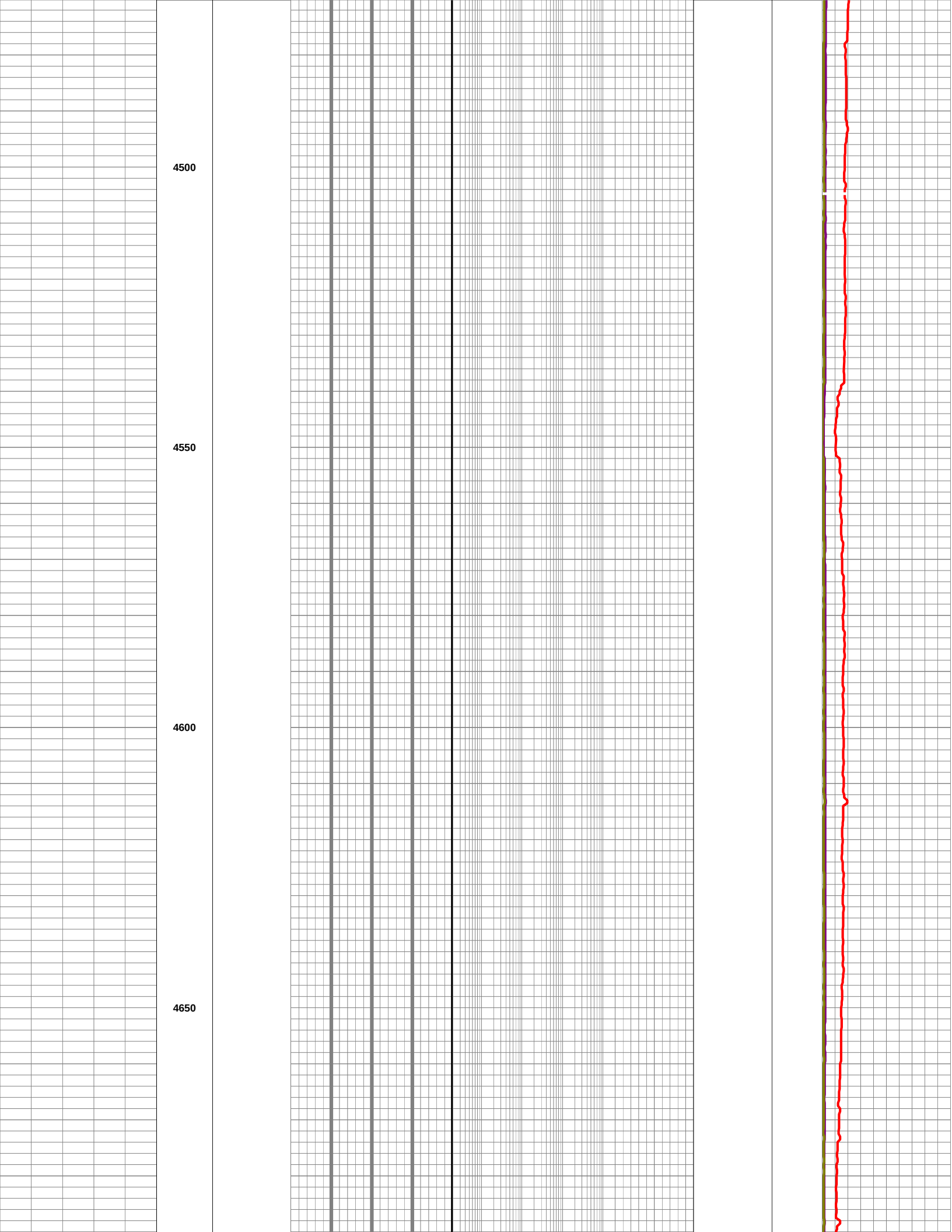
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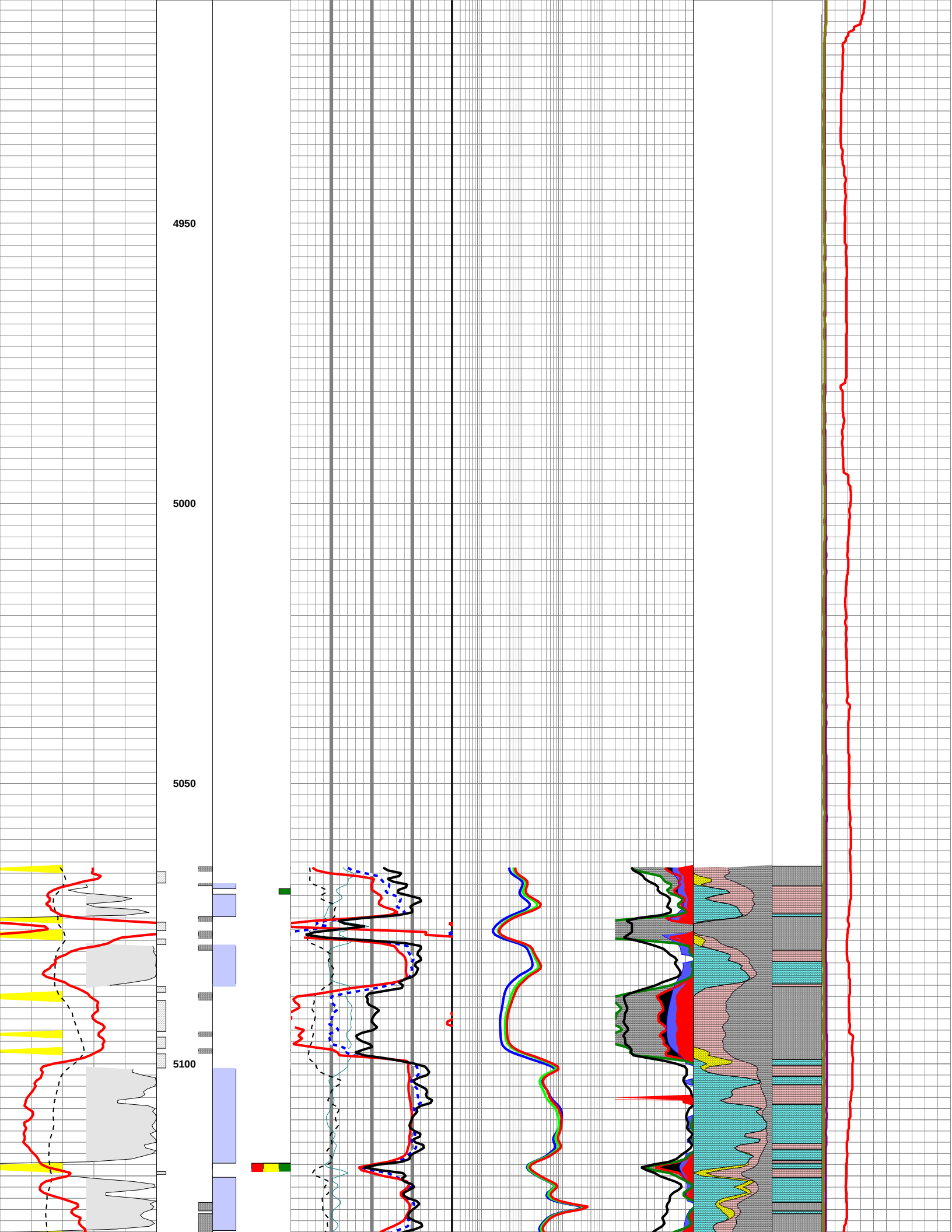
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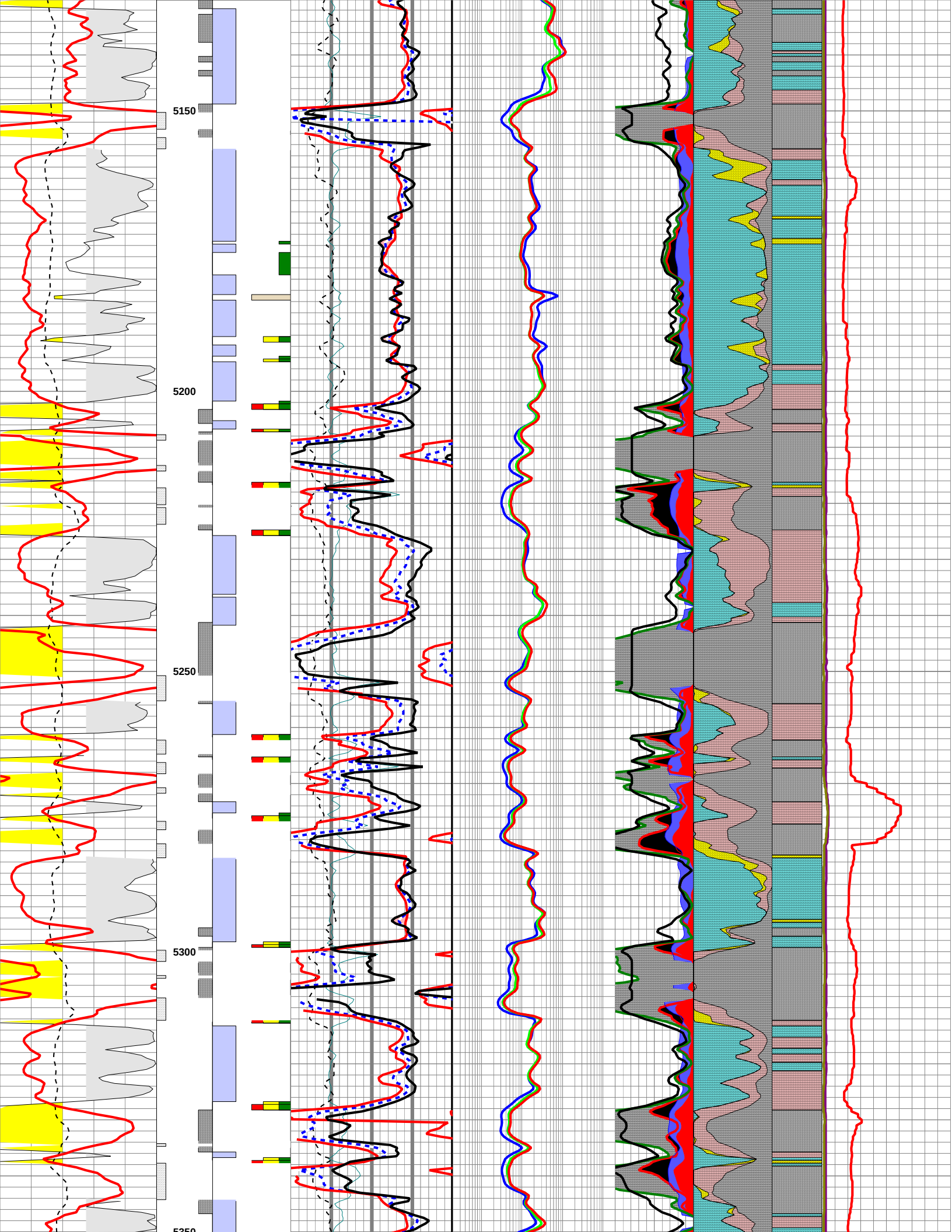
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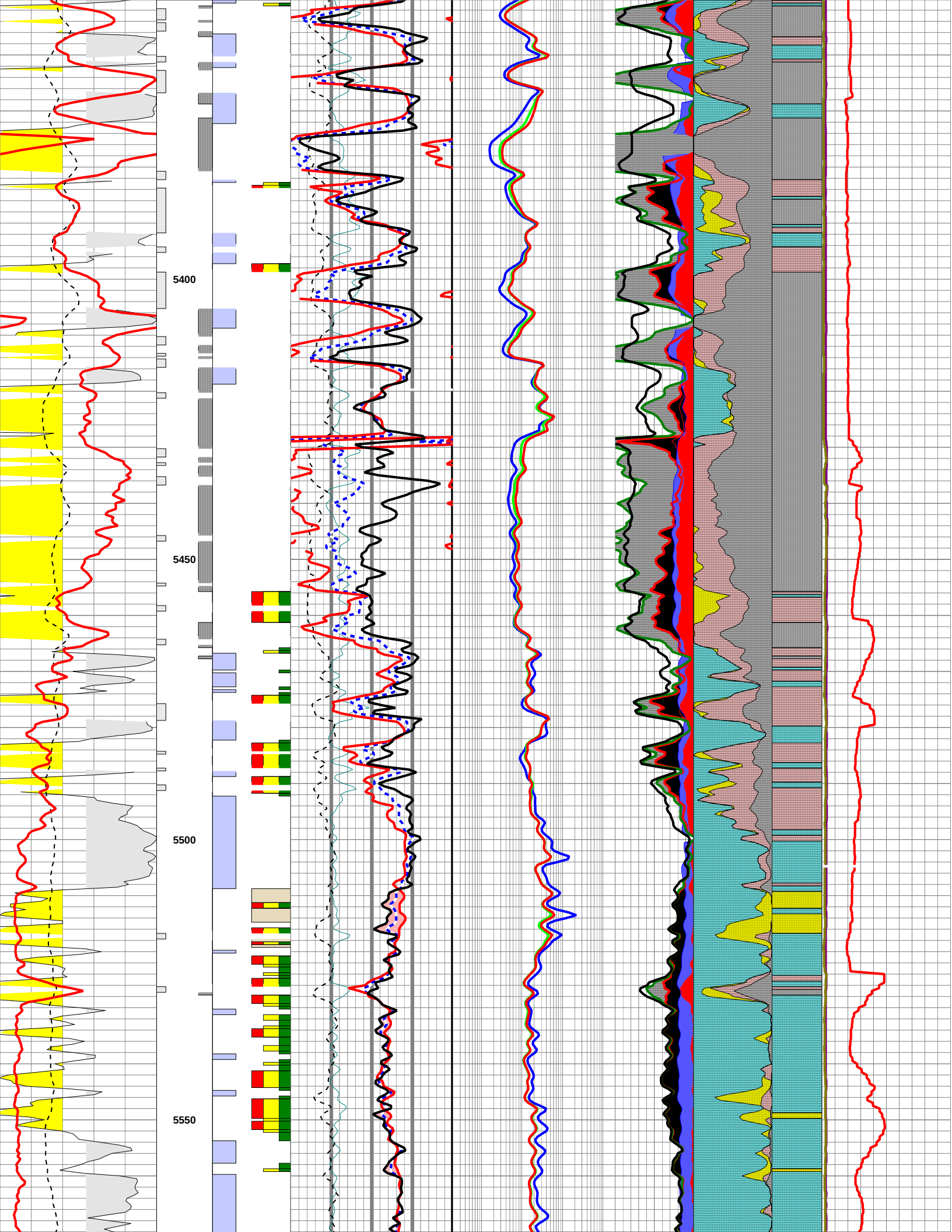
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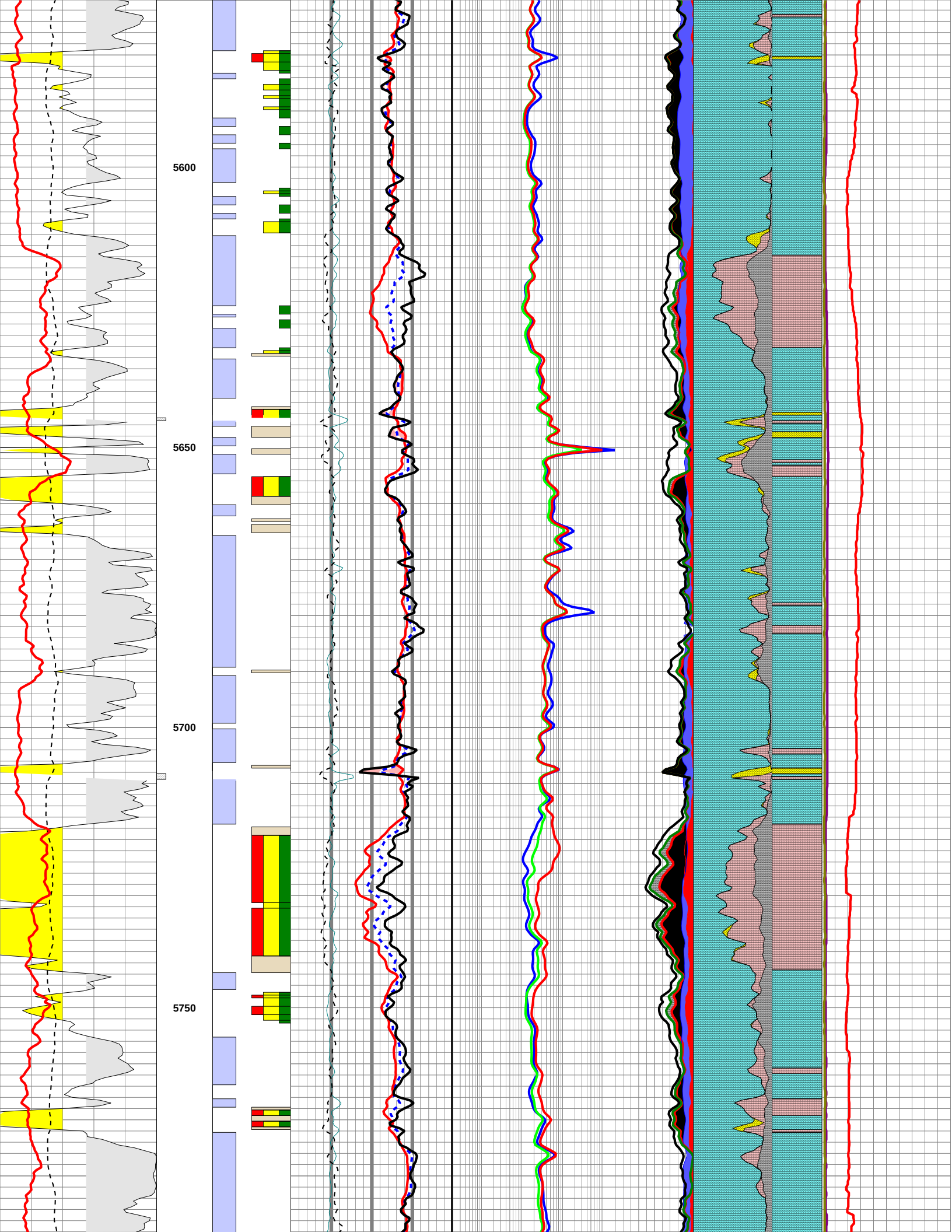
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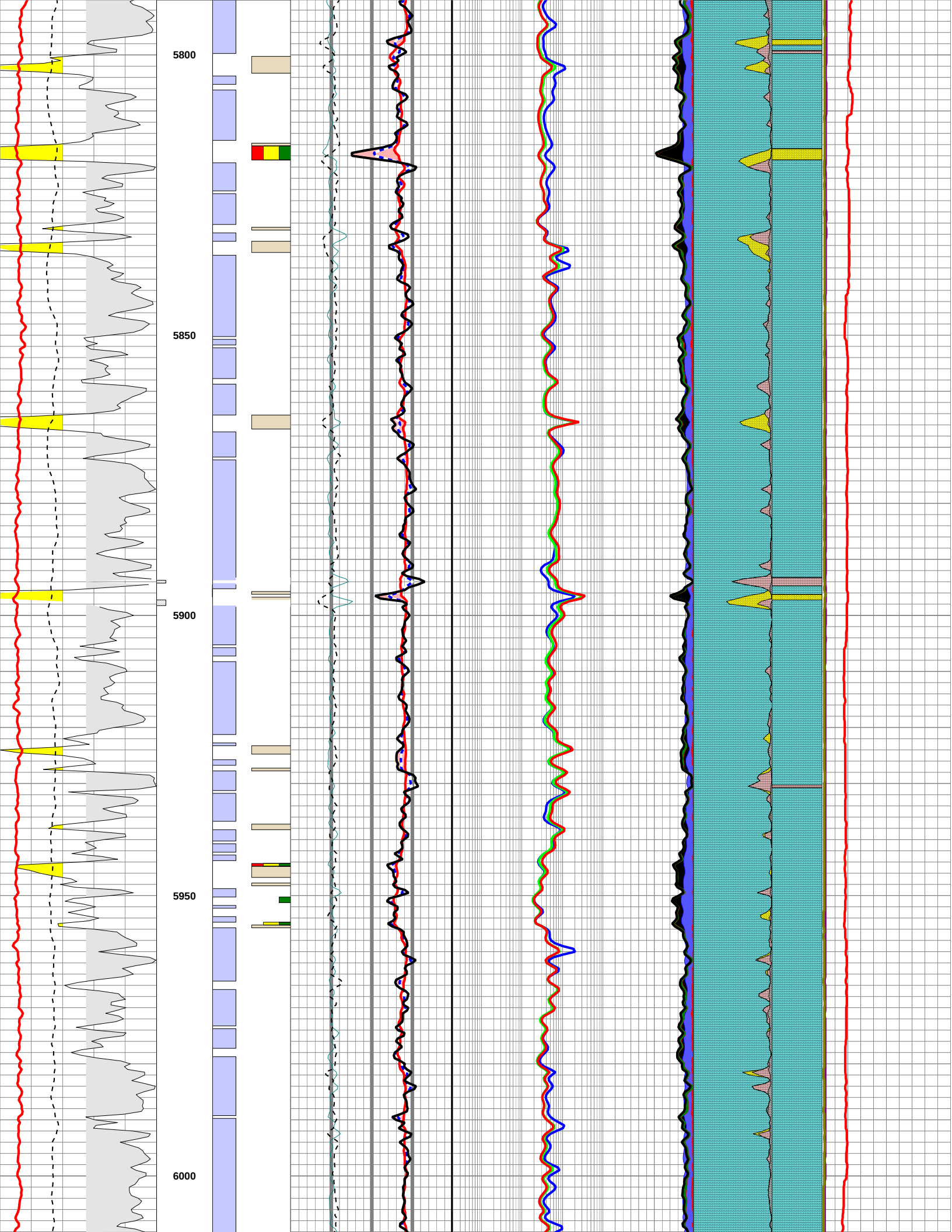
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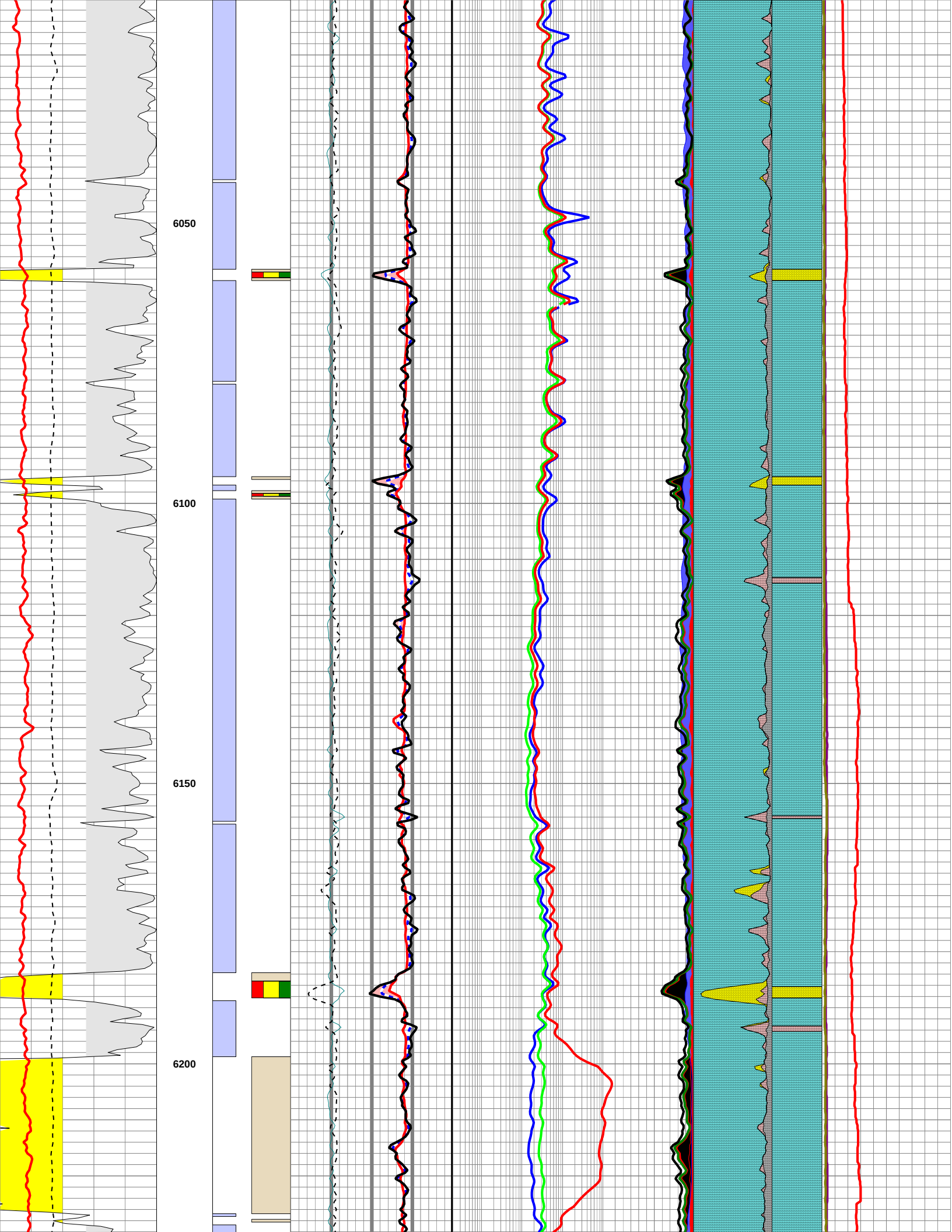
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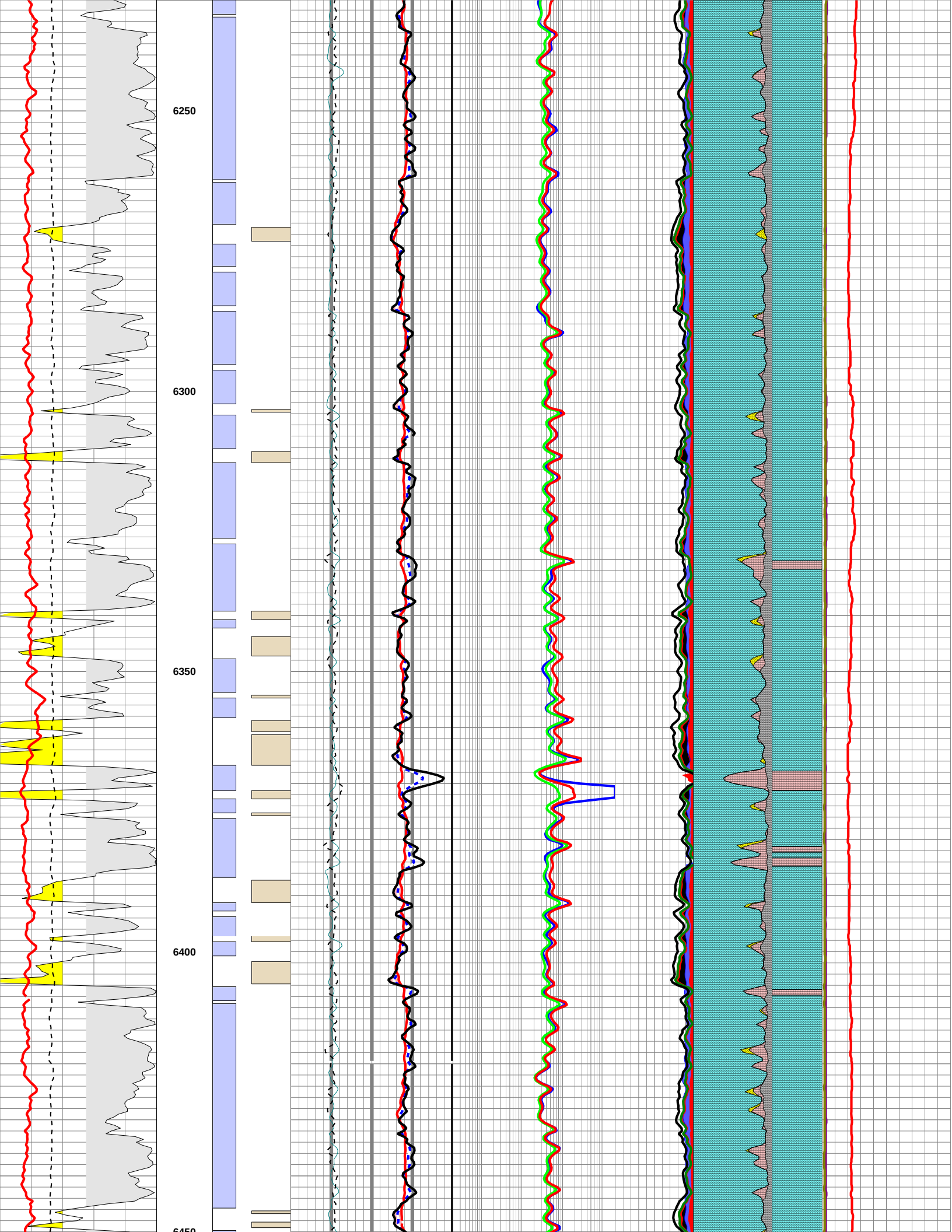
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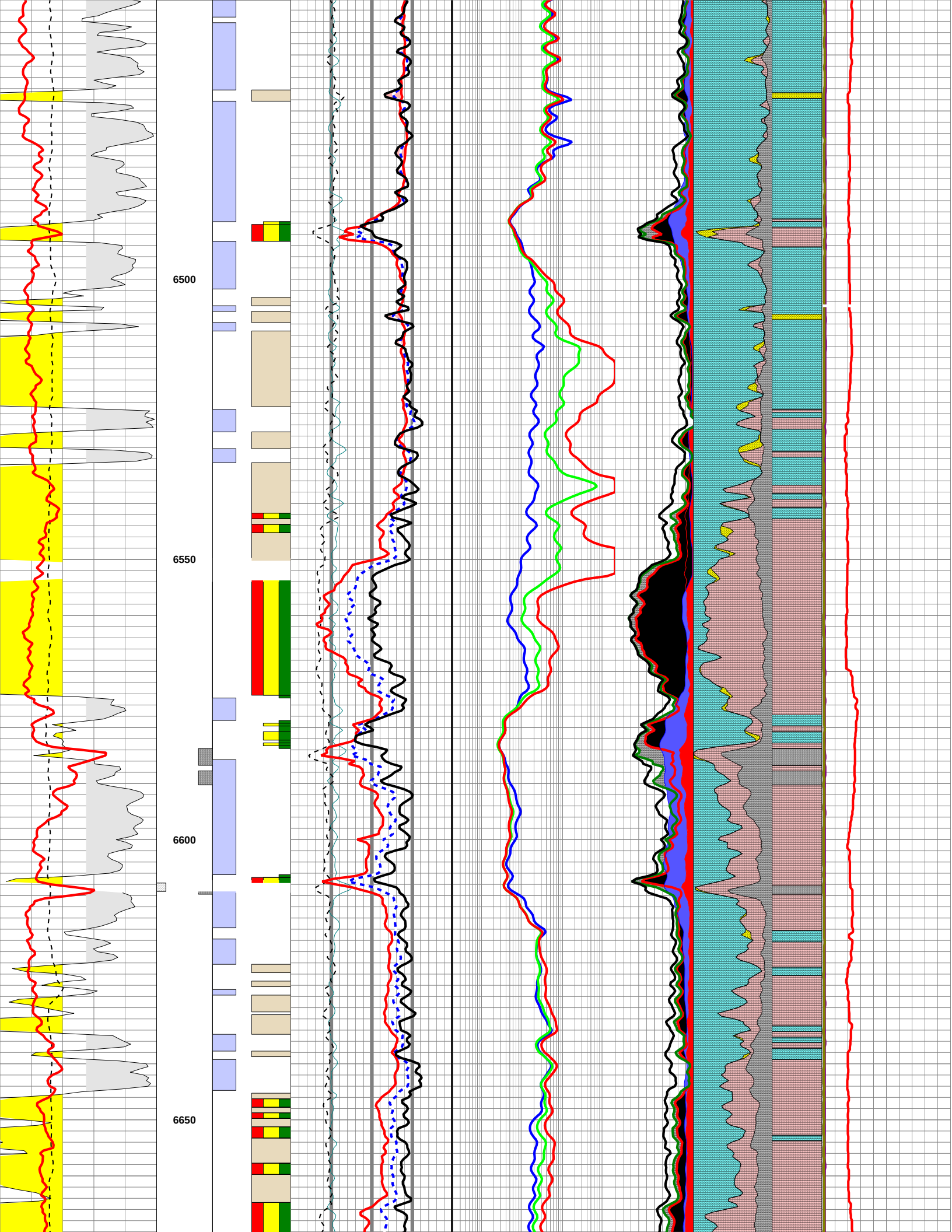
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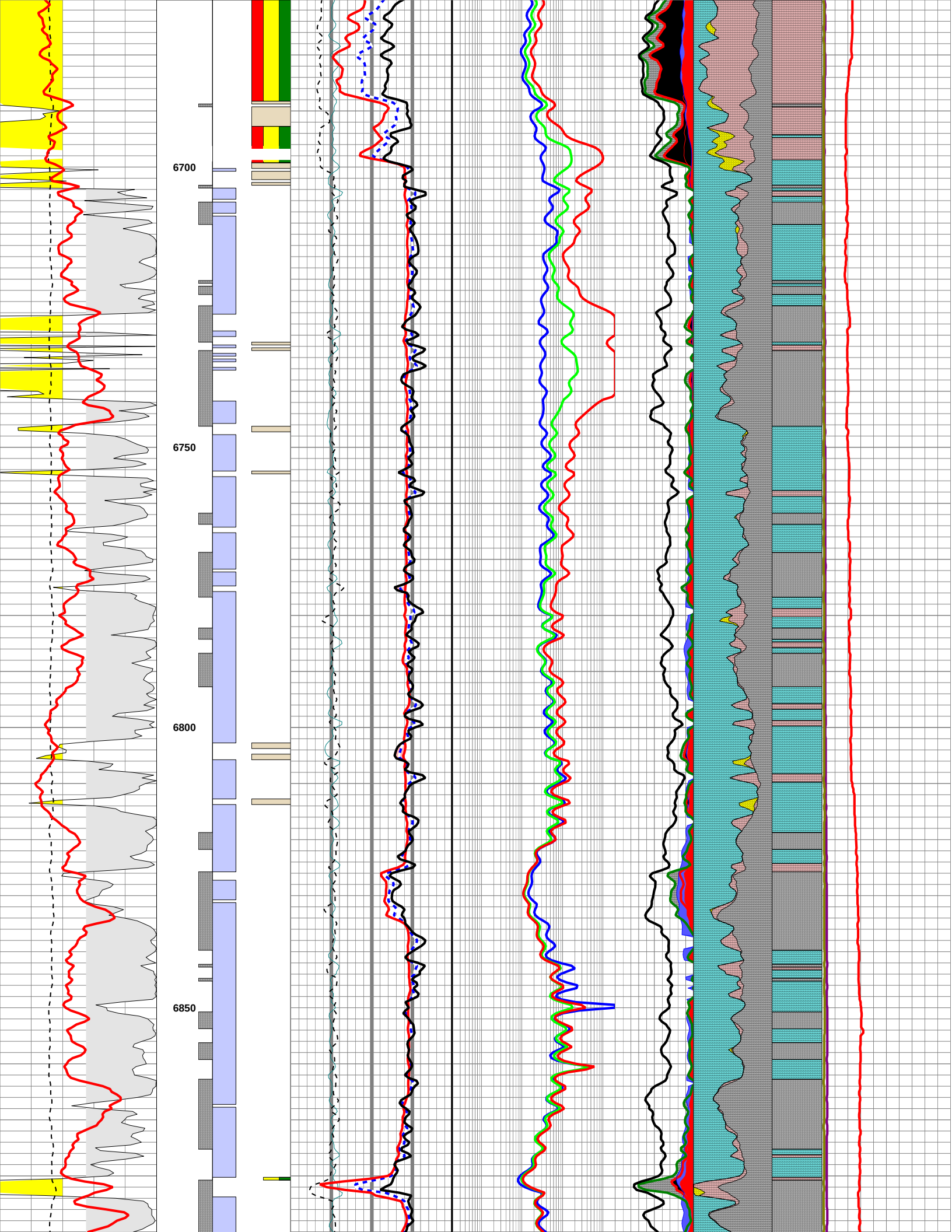
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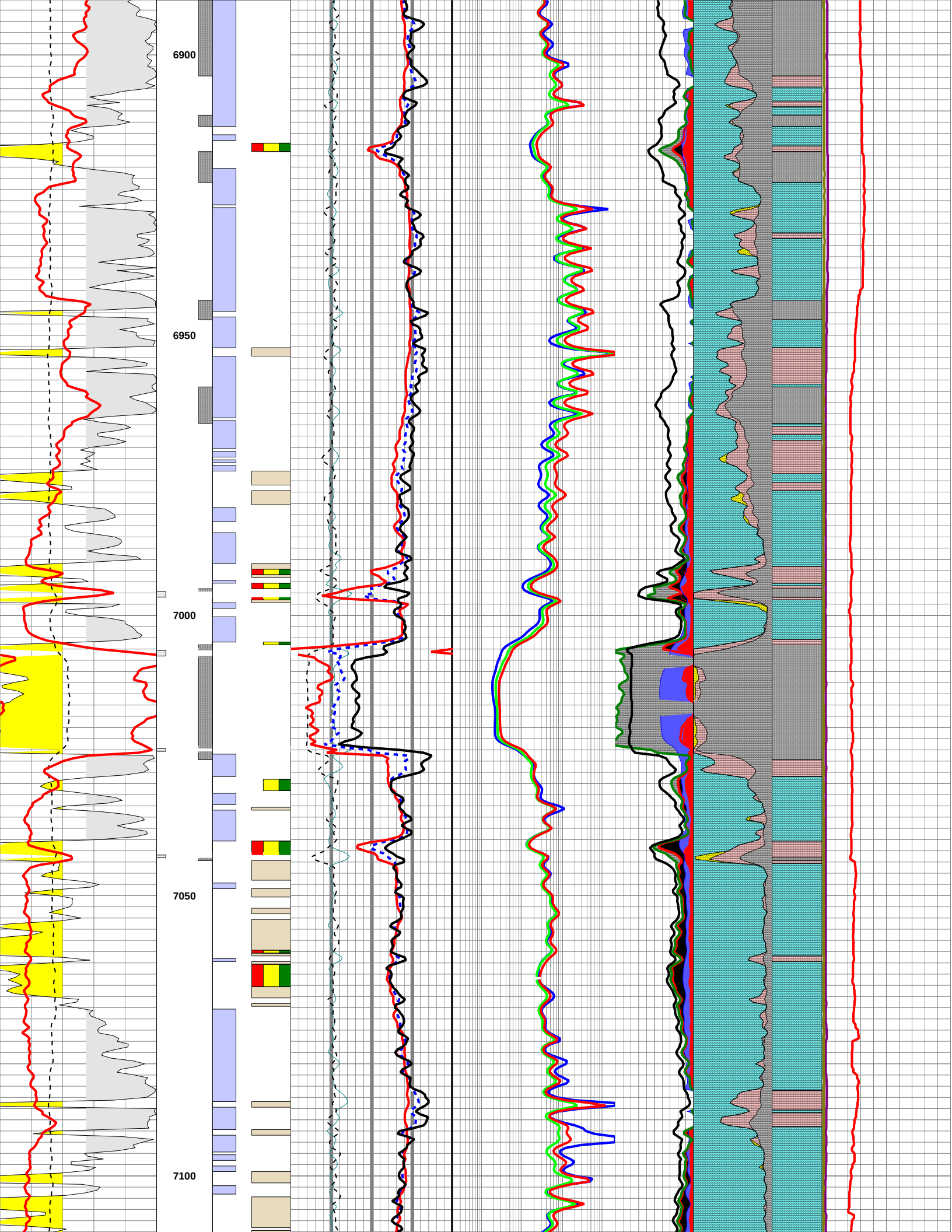
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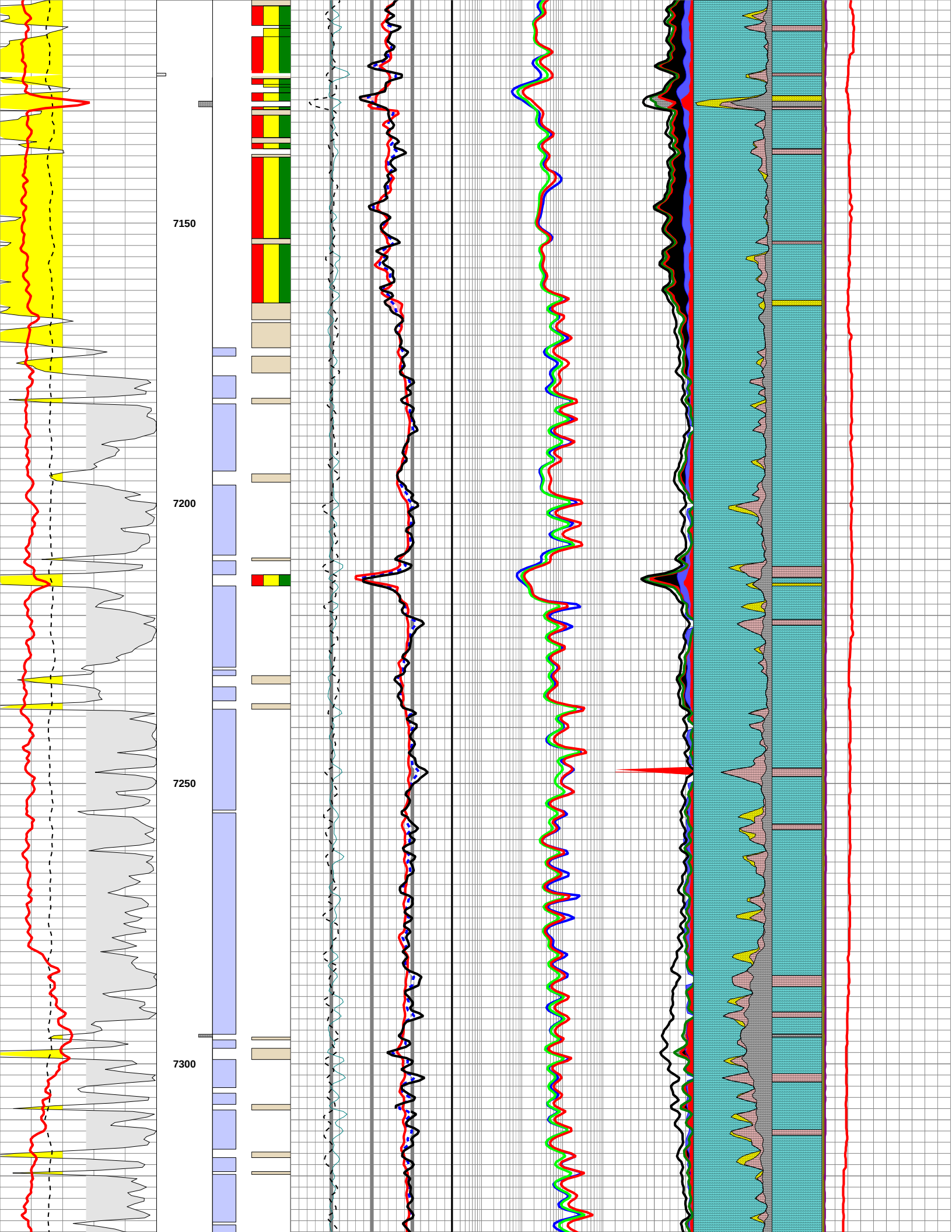
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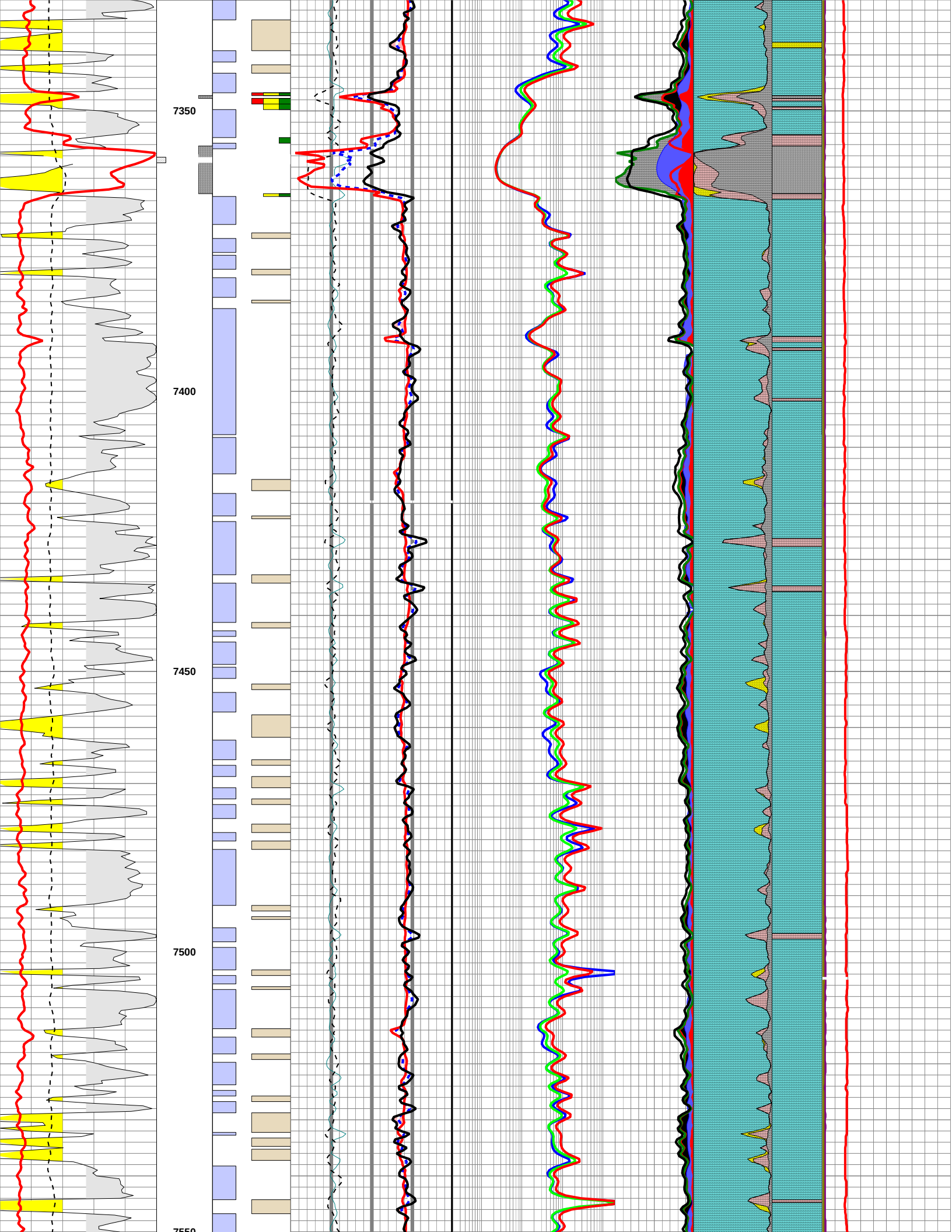
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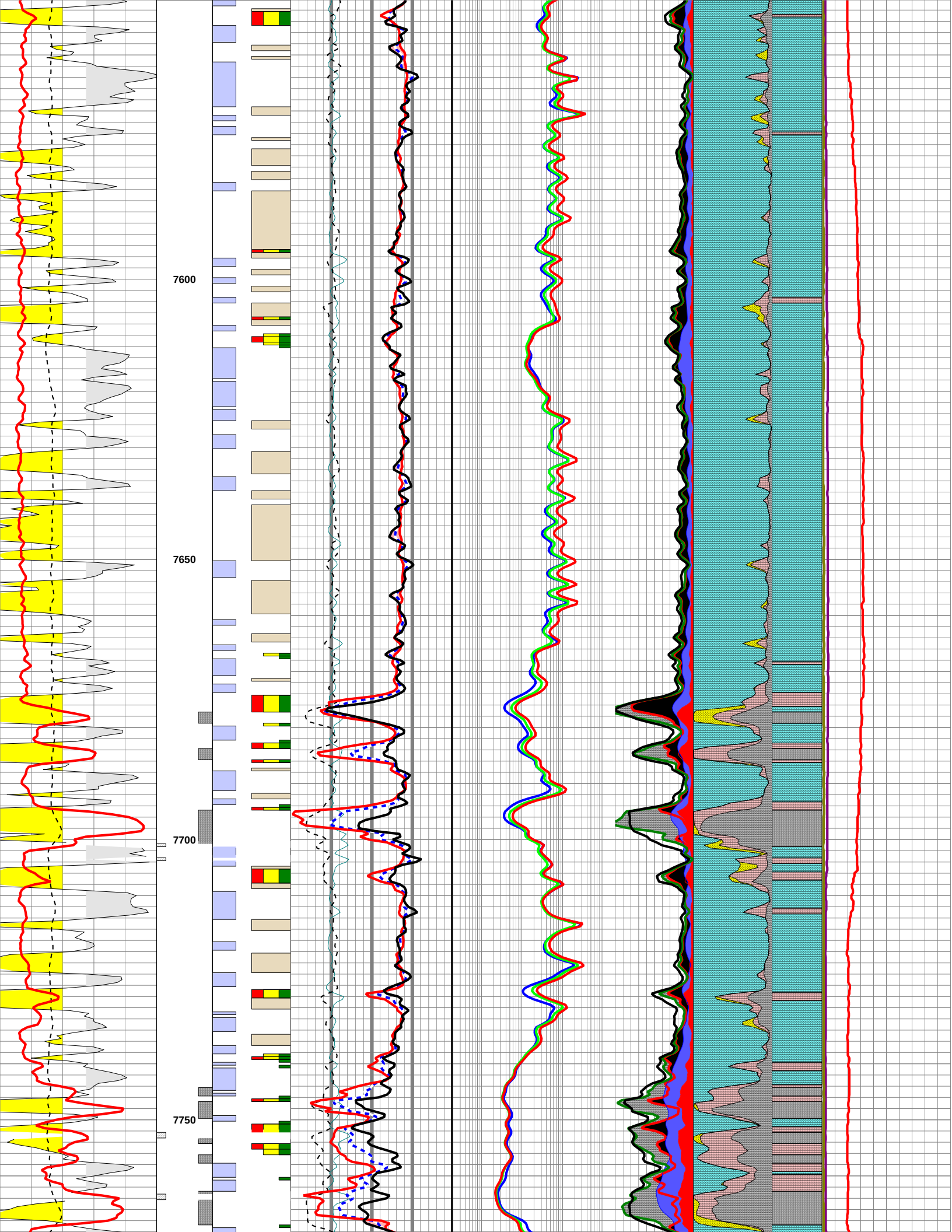
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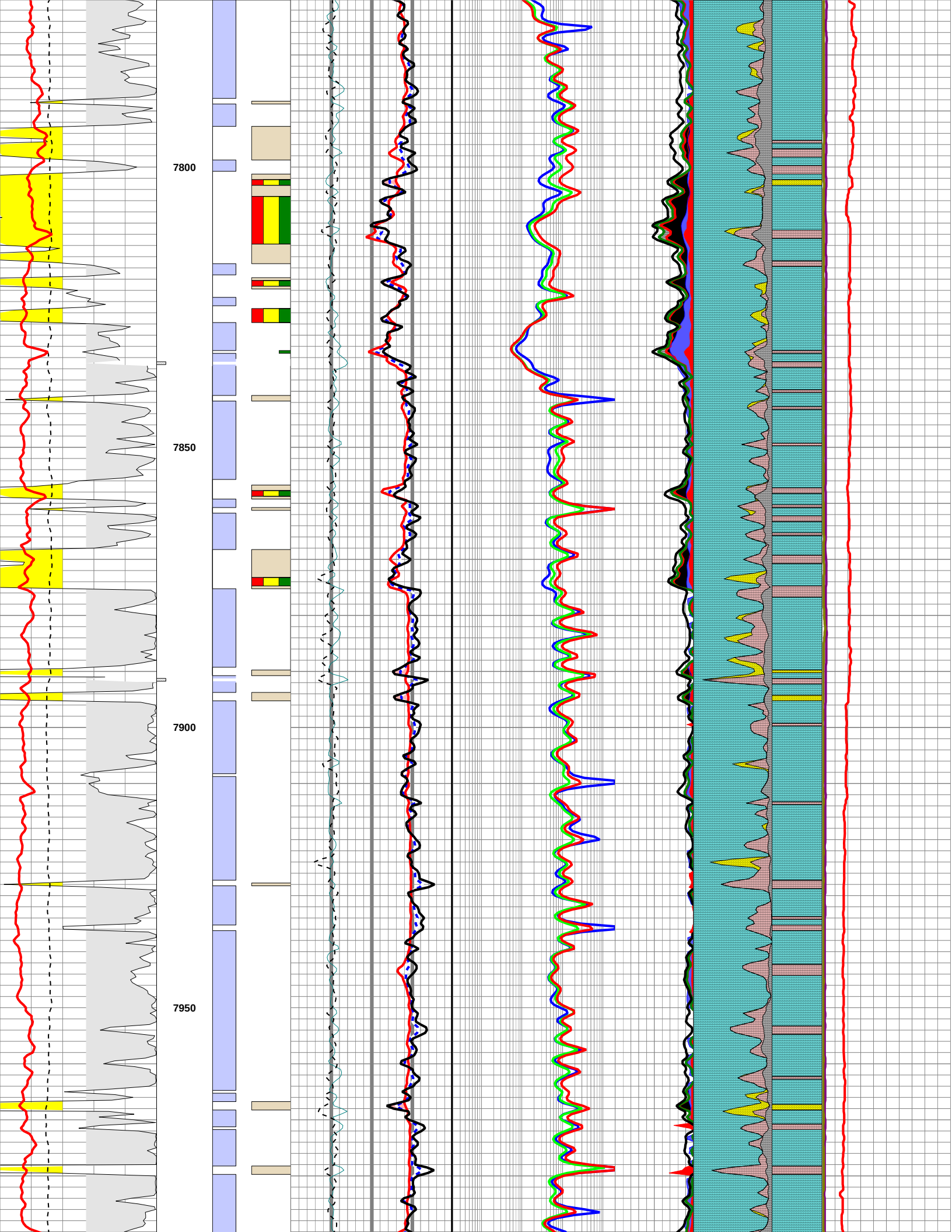
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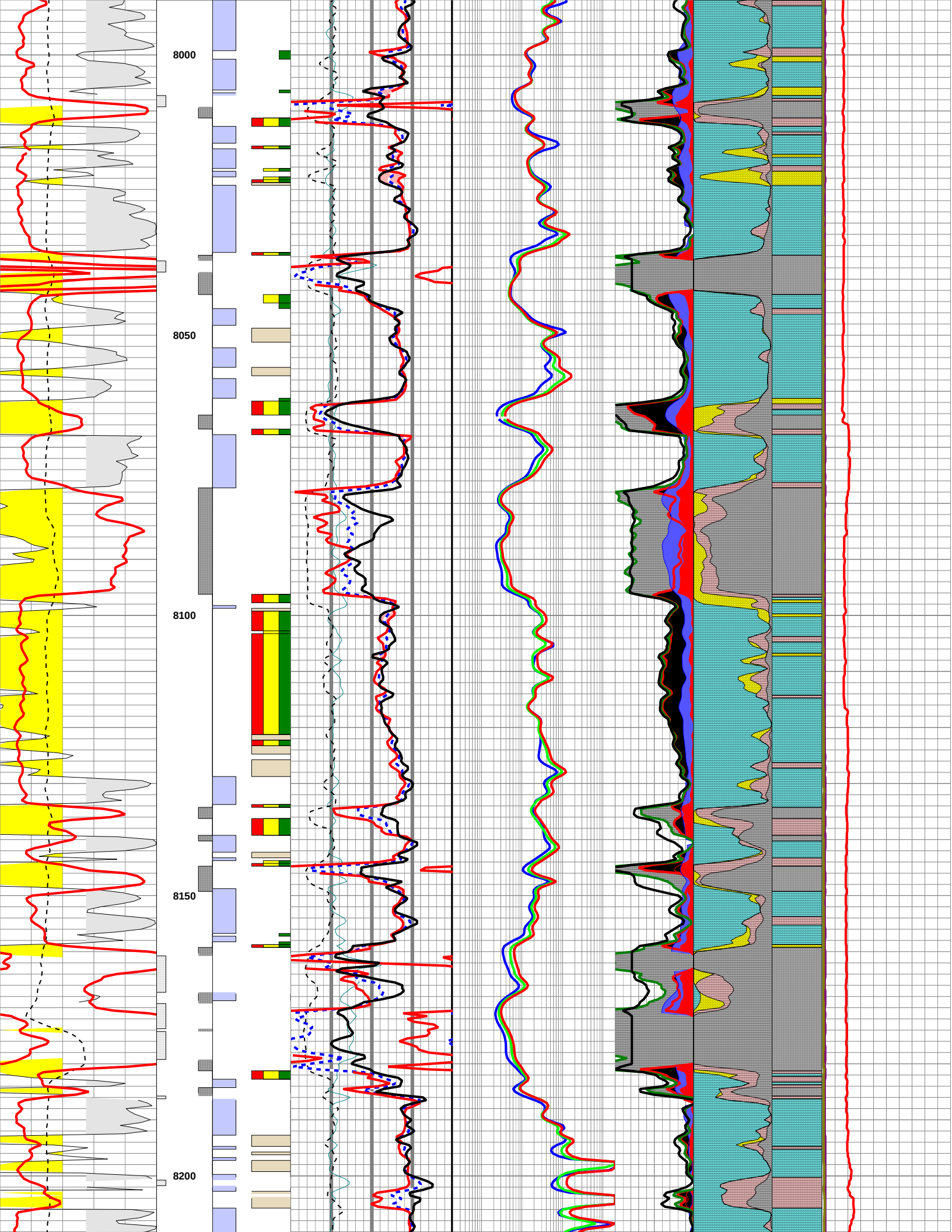
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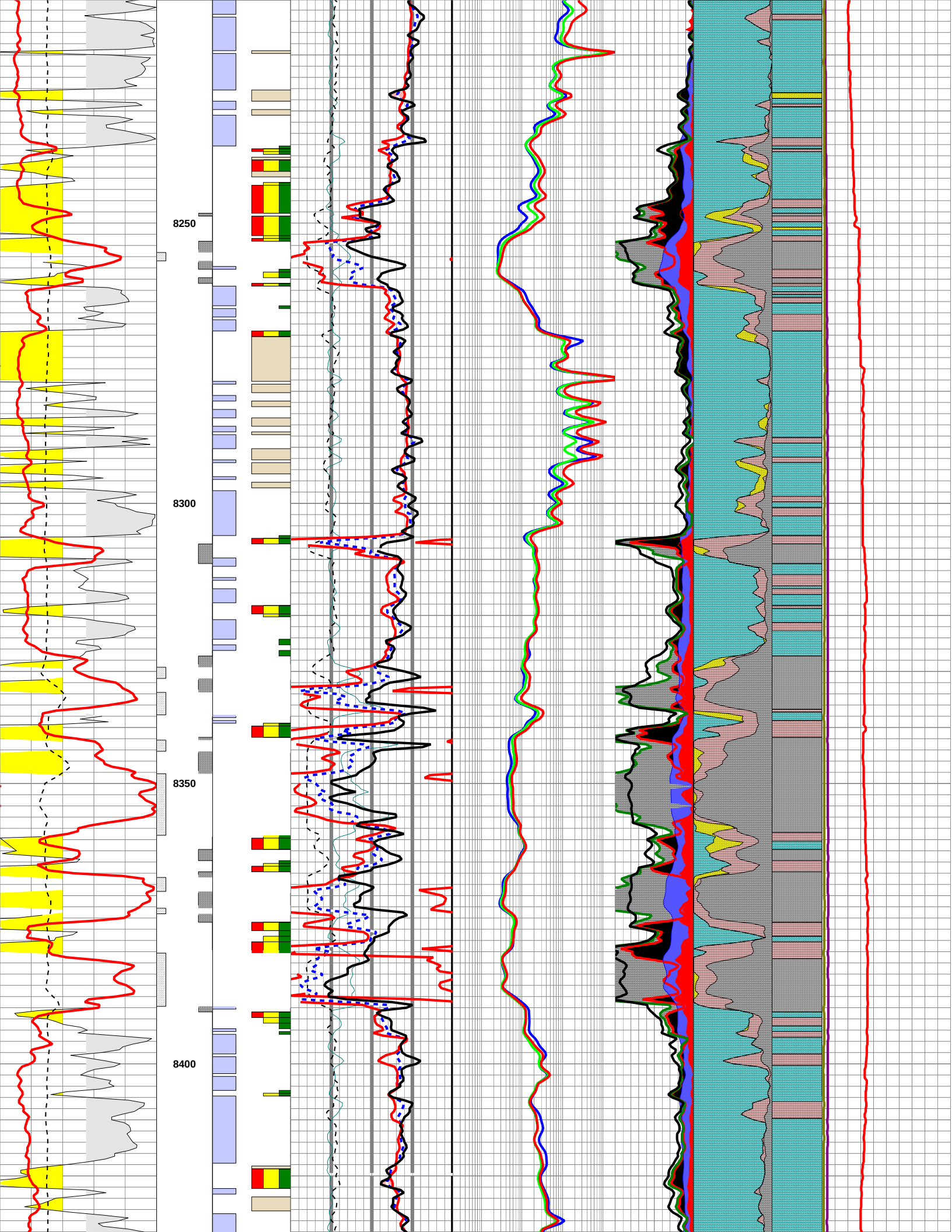
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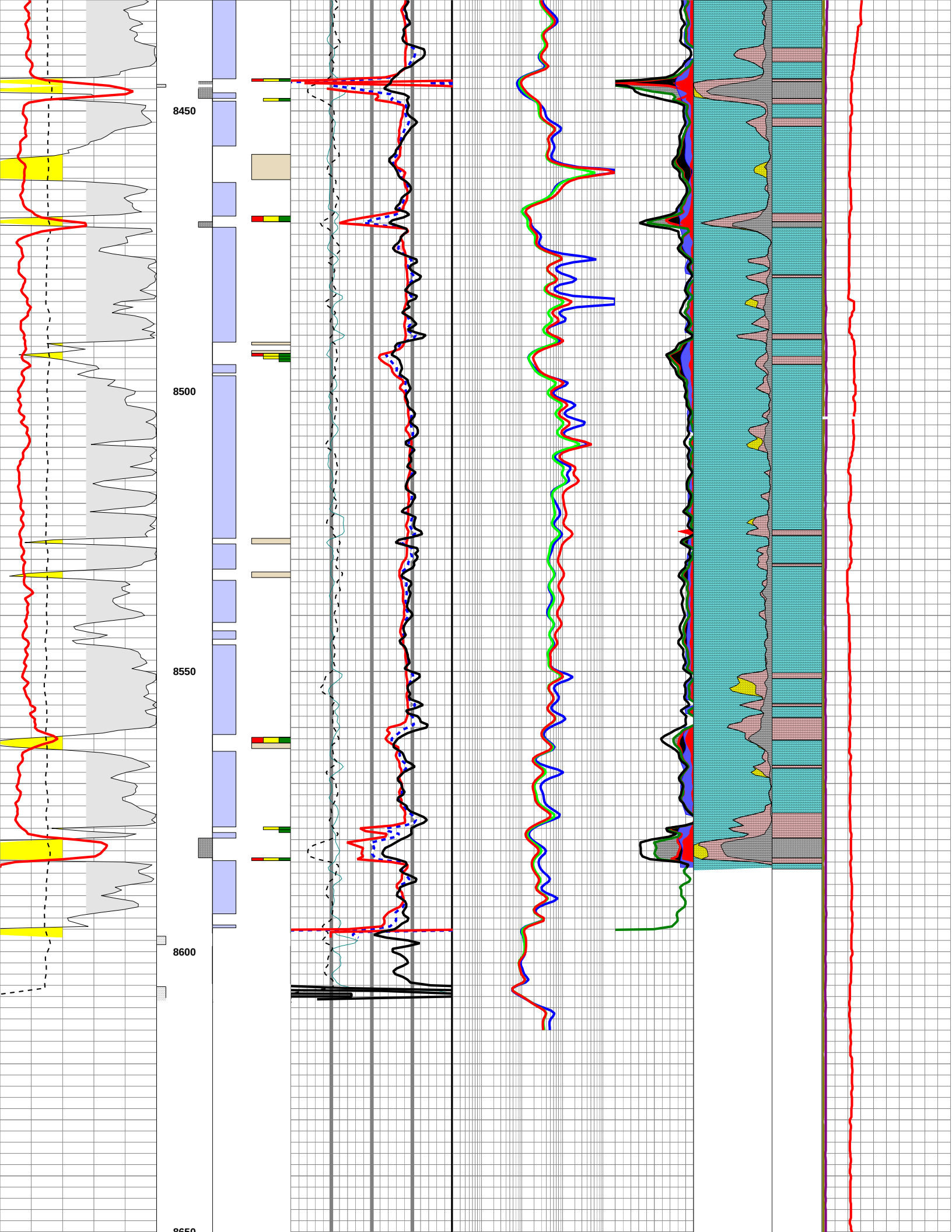
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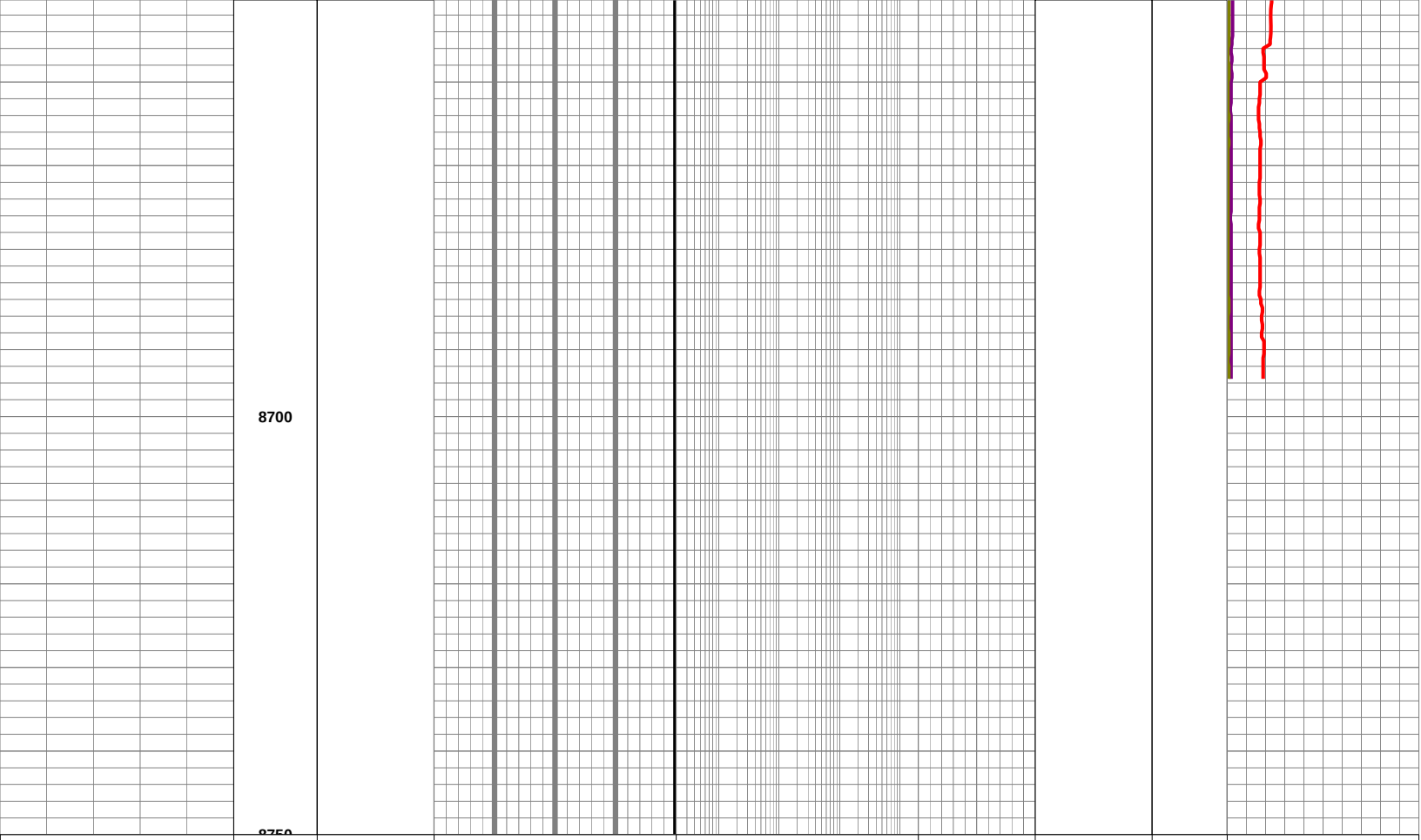

Correlation	Depth	RWA Flags	Open-Hole Porosity	Open-Hole Resistivity	Pore Space	Lithology	INT-LITH	Mudlog Data
CGR(N/A)	MD	>=.075	PHID	ResD(90IN_2FT_R)	PHIT	Sandstone	Sandstone	C1
0 150			0.3 -0.1	0.2 OHM-M 2000.000	0.2 0			0.0 units 250
GR	BHF	>=.06	PHIN	ResM(60IN_2FT_R)	PHIA	Limestone	Limestone	C2
0 GAPI 150			0.3 -0.1	0.2 OHM-M 2000.000	0.20 0			0.0 units 250
GRPO(N/A)	Vshl >.4	>=.045	SXP	ResS(20IN_2FT_R)	BVW	Dolomite	Dolomite	C3
0 150			0.3 -0.1	0.2 OHM-M 2000.000	0.2 0			0.0 units 250
GRTH(N/A)		<.045	PEF		PHIE	Clay	Shale	C4(N/A)
0 150			0.0 BARN 20		0.20 0			0.0 250
GRUR(N/A)		Tight Pay	DRHO		BVWb			OIL_CURVE
0 150			-0.25 G/CC 0.75		0.2 0			0.0 1
CALI(DCAL)			Crossover		Hydrocarbon			ROP2
5 IN 15								150 0
RWA_SXP					Bulk Volume Wate			Fluorometer(N/A)
0.1 0.0								0 300
RWA<.045					Clay Water			
RWA>=.06					Bound Water			