



Triple Combo
4-Mineral/Dual Water
NMR
Core Data

API WELL NO. 15077219460000

CLIENT SANDRIDGE EXP & PROD
COMPANY JONES 3506 1-13H
WELL HKW EAST
FIELD HARPER
COUNTY HARPER STATE KANSAS

LOCATION: TWP: 35 S - Range: 6 W - Sec. 13
200 FSL 1320 FEL
Unit 310

OTHER COMPUTATIONS
Rw=0.03

PERMANENT DATUM GR ELEV. -999.25
LOG MEASURED FROM KB , ABOVE PERM DATUM
DRILLING MEASURED FROM KB ELEV. 1255
DATE 30 - DEC - 1899 K.B. 1240
G.L. 1240

DEPTH - DRILLER	9871.5
DEPTH - LOGGER	9871.5
BOTTOM LOGGED INTERVAL	2500
TOP LOGGED INTERVAL	
CASING - DRILLER	
CASING - LOGGER	
BIT SIZE	
TYPE FLUID IN HOLE	
CASING SIZE	
DENSITY	
PH	
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

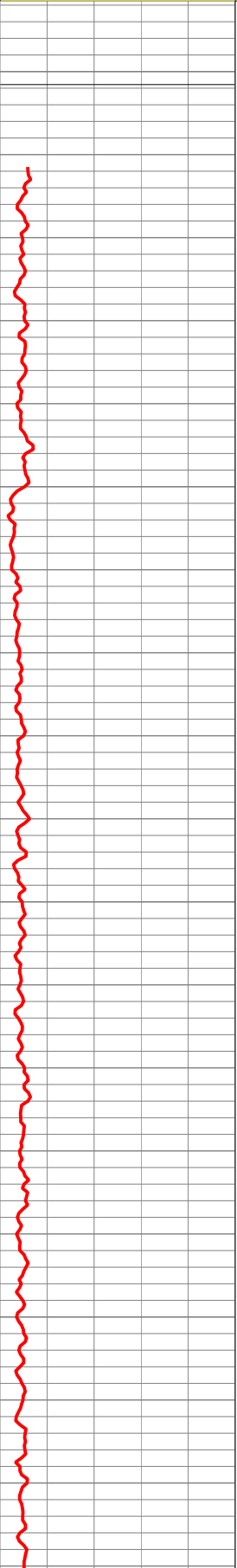
Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness 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	PROGRAM: PRIZM
	CENTER: OKC	LOG ANALYST: Jack Austin
	REFERENCE NUMBER: []	DATE: 7/18/2012

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(N/A)
0 150			0.3 0.046 -0.10.2	21.157 2000.0000.2	0.074 0			0.0 250
GR	BHF	>=.06	PHIN	ResM(60IN_2FT_R)	PHIA	Limestone	limestone	C2(N/A)
0 150			0.3 0.094 -0.10.2	18.512 2000.0000.2	0.200.070 0			0.0 250
GRPO(N/A)	Vshl >.4	>=.045	SXP	ResS(20IN_2FT_R)	BVW	Dolomite	Dolomite	C3(N/A)
0 150			0.3 0.070 -0.10.2	21.611 2000.0000.2	0.2 0.021 0			0.0 250
GRTH(N/A)		<.045	DRHO		PHIE	Clay	Shale	C4(N/A)
0 150			-0.25 -0.009 0.75		0.200.043 0			0.0 250
GRUR(N/A)		Tight Pay	Crossover		BVWb			OIL_CURVE
0 150					0.2 0.018 0			0.0 -999.250 1
CALI(DCAL)			PEF		Hydrocarbon			ROP2
5 15			0.0 2.654 20					150 -999.250

RWA_SXP		
0.1	0.104	0.0
RWA<.045		
RWA>=.06		

Free Volume Wa
Clay Water
Bound Water

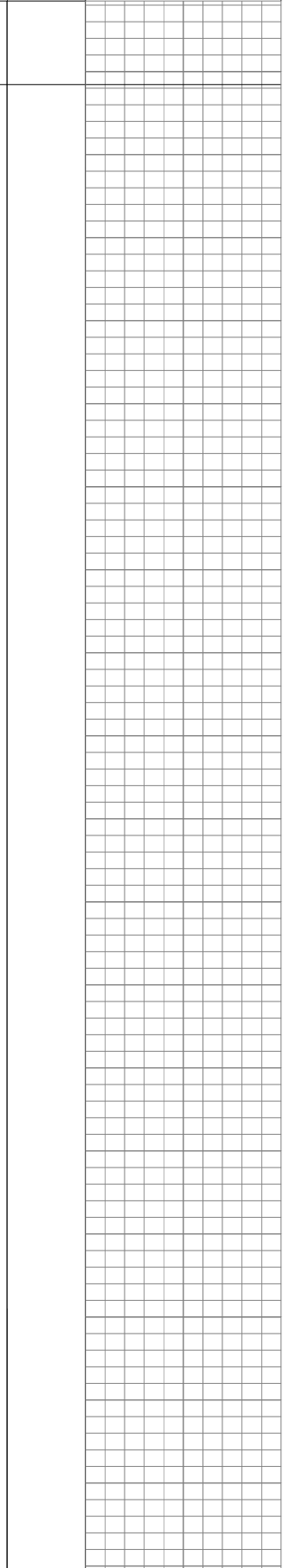
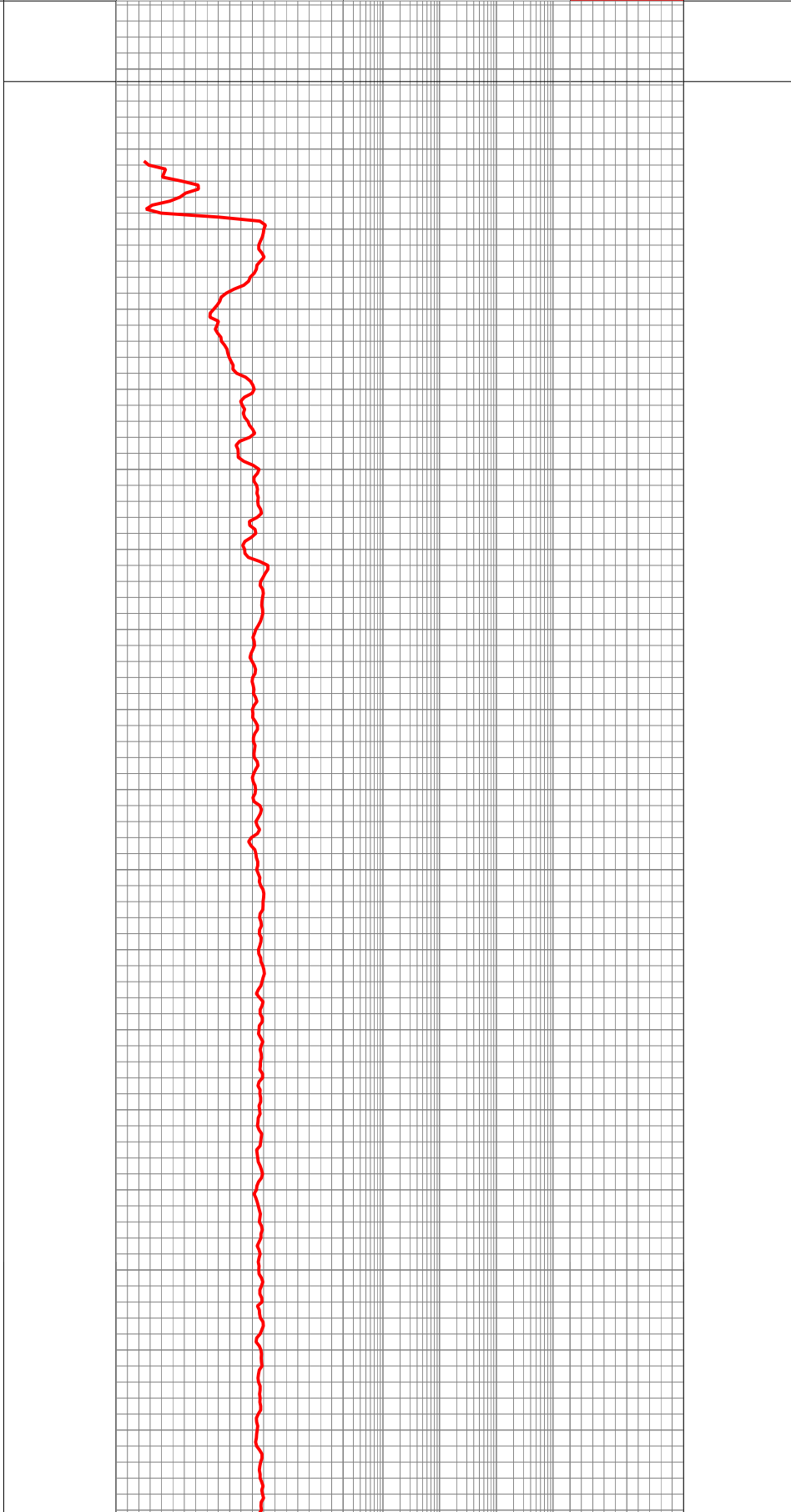


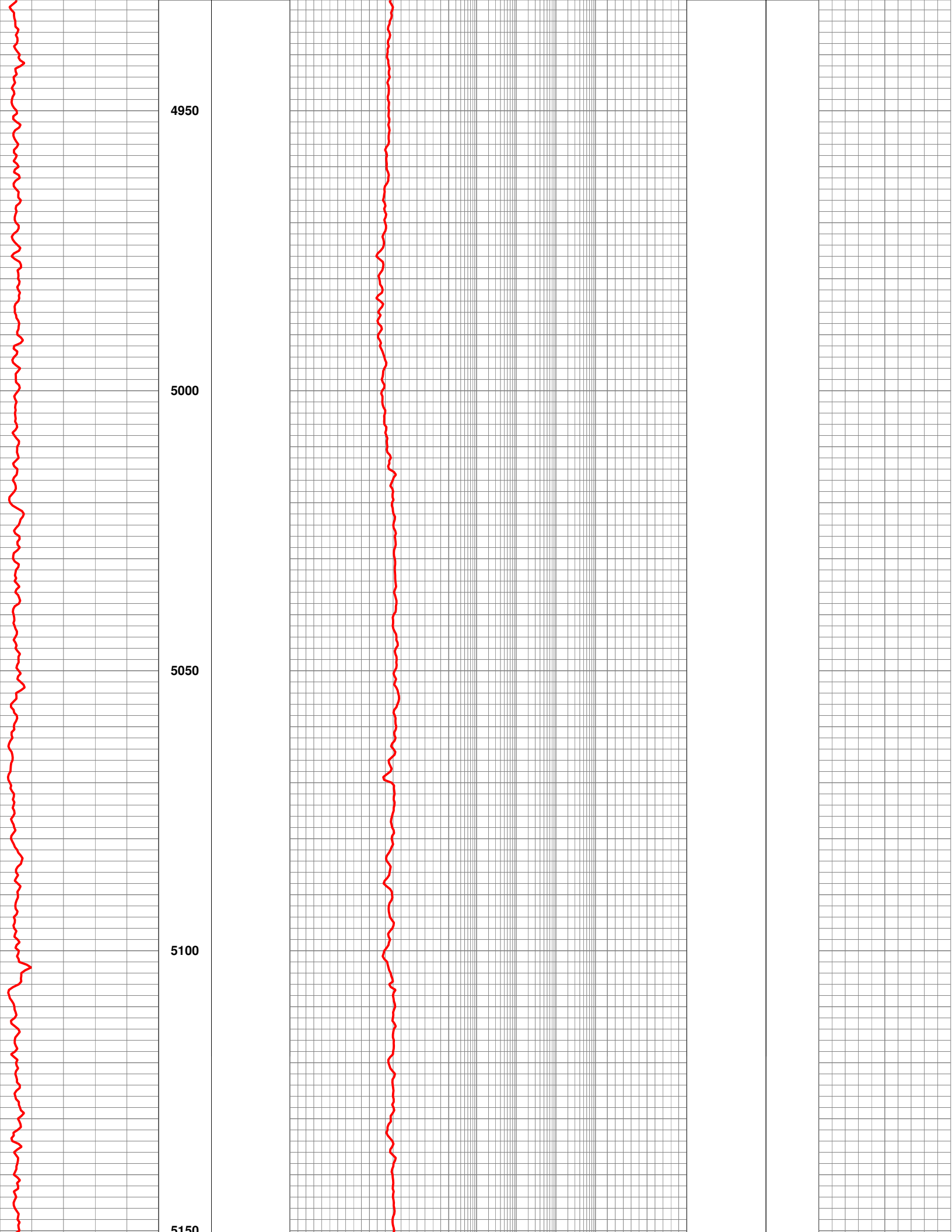
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MPLM

4800

4850

4900





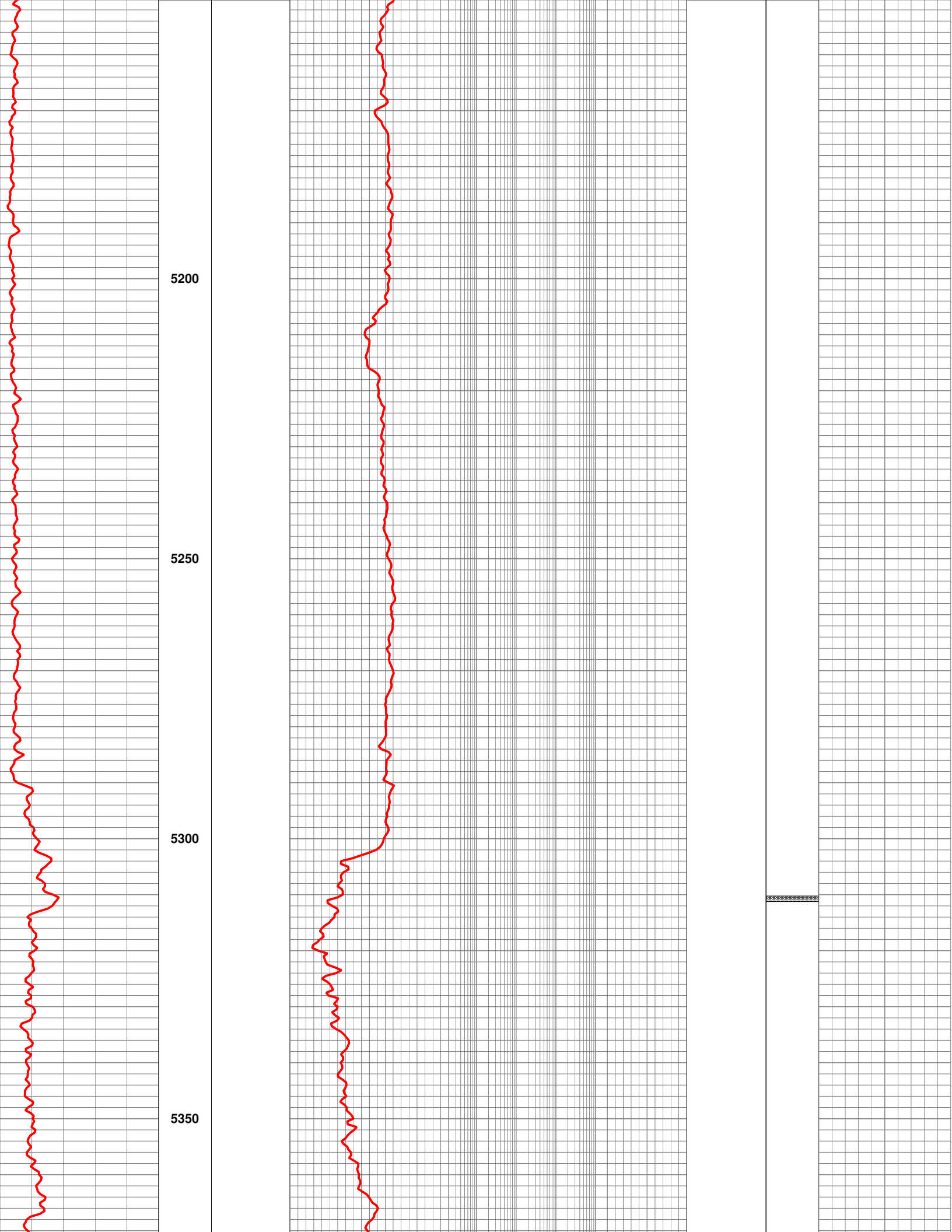
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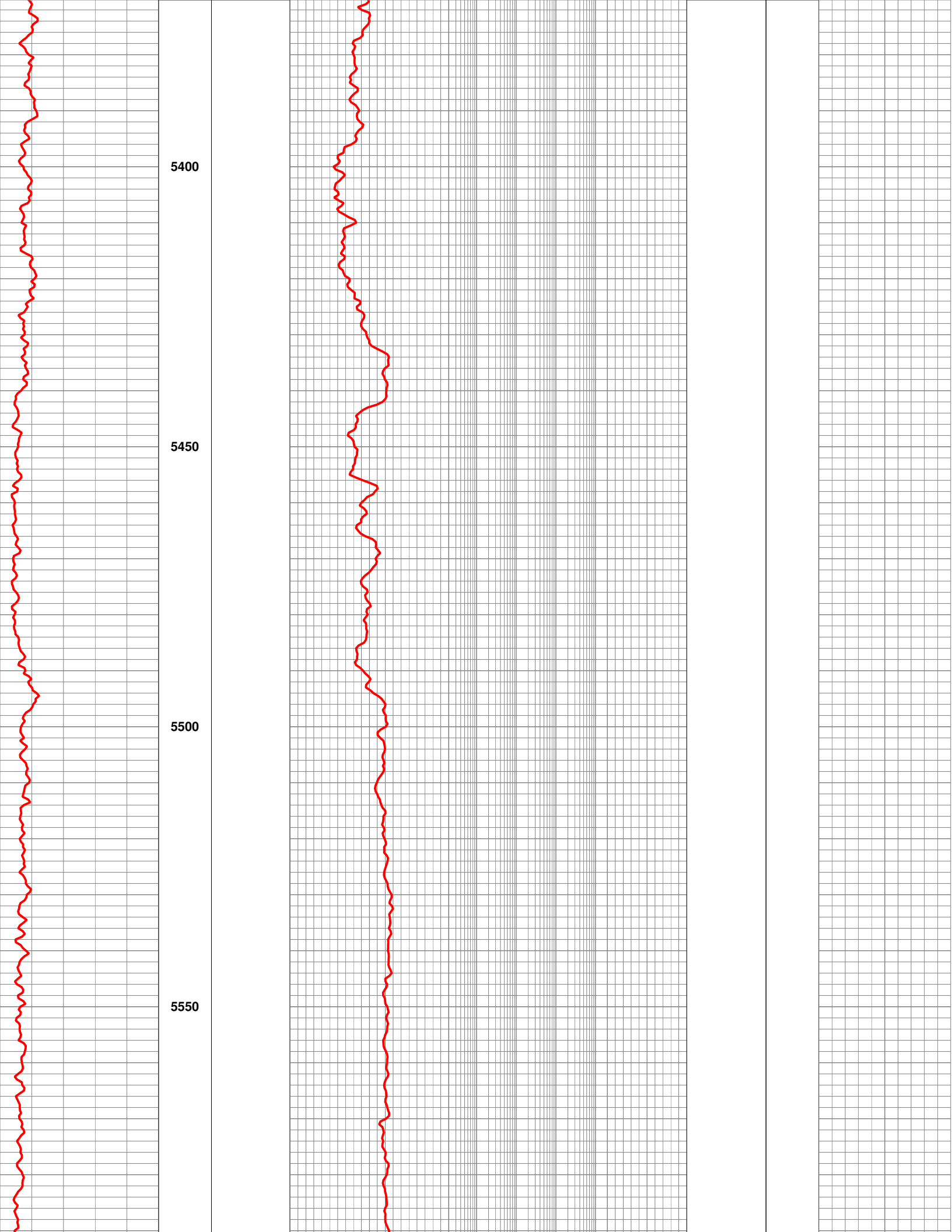
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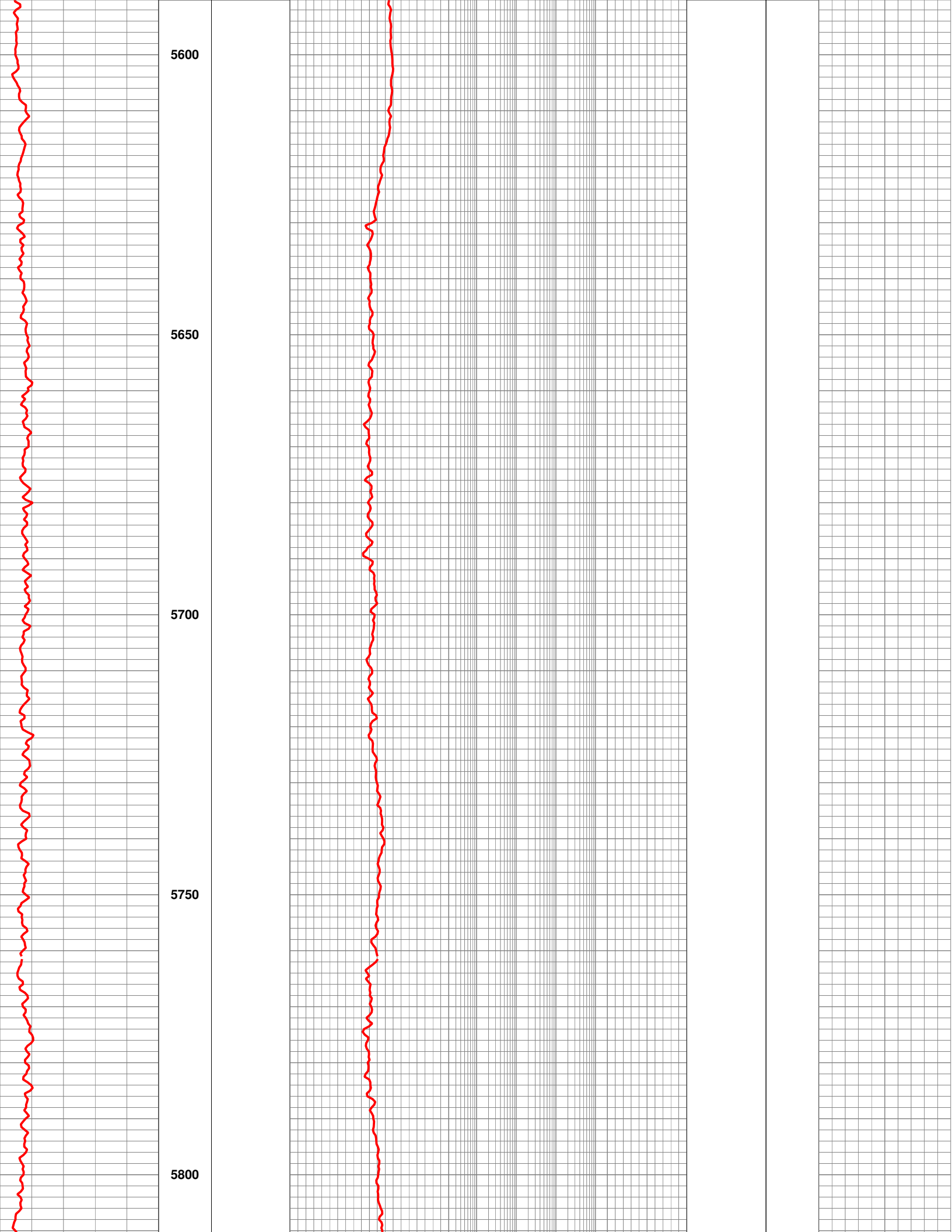
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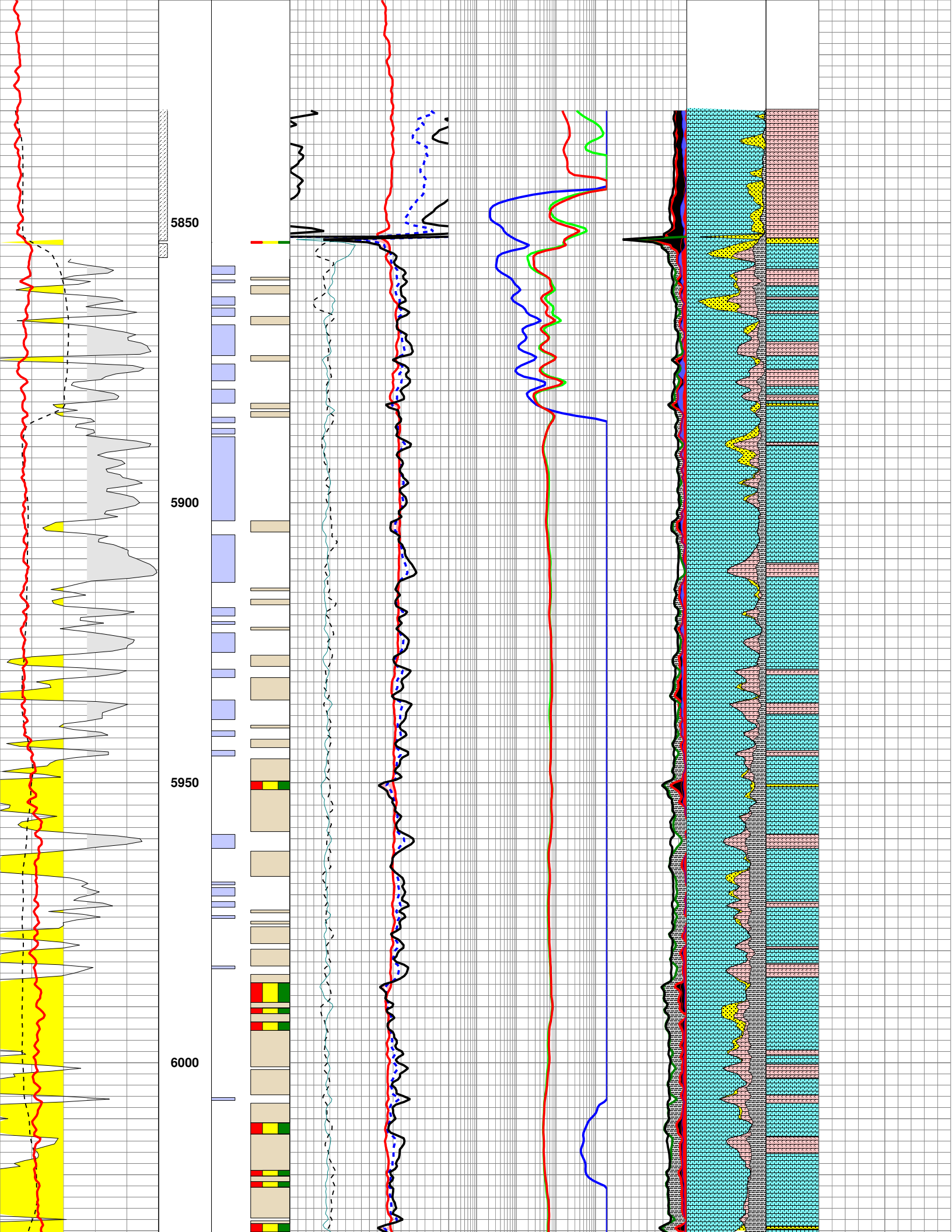
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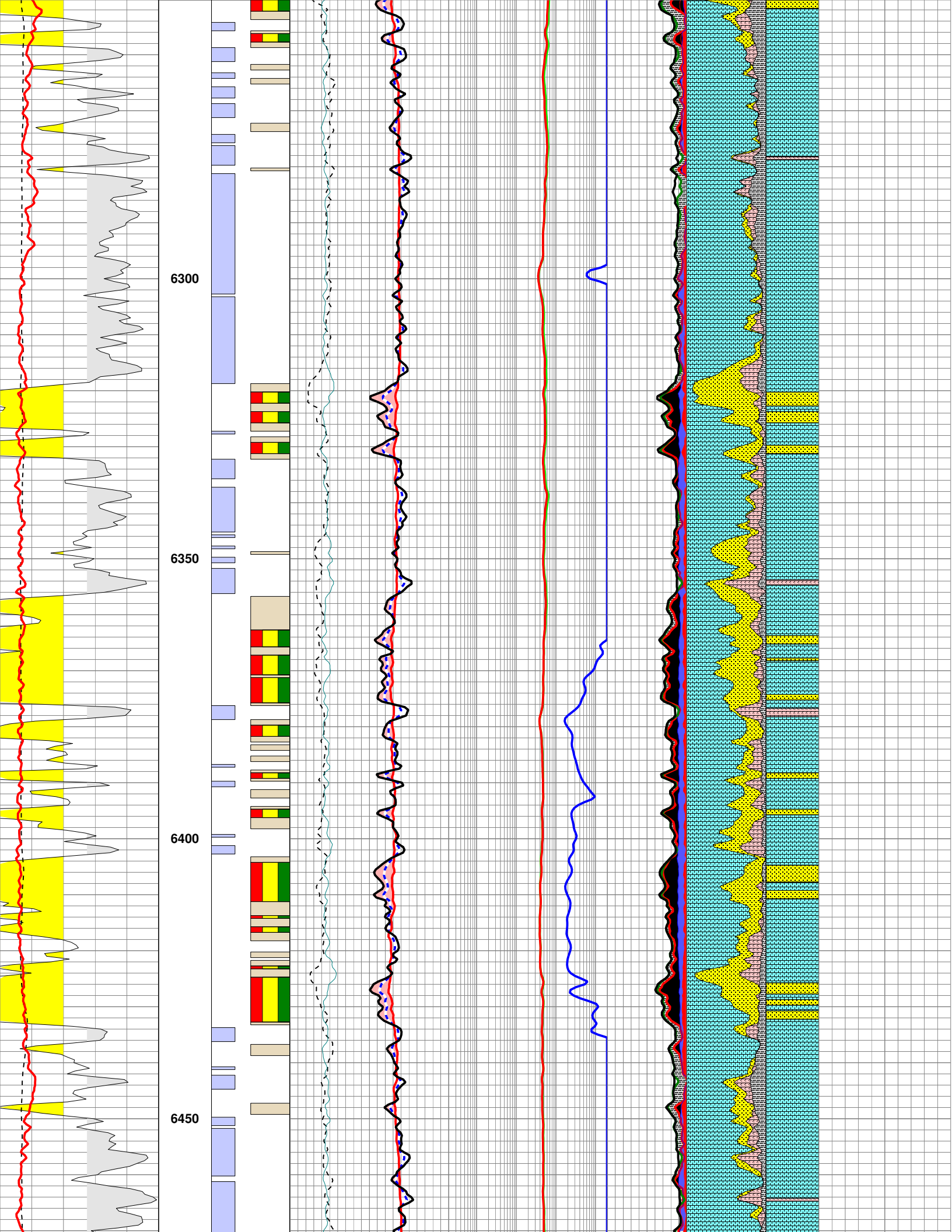
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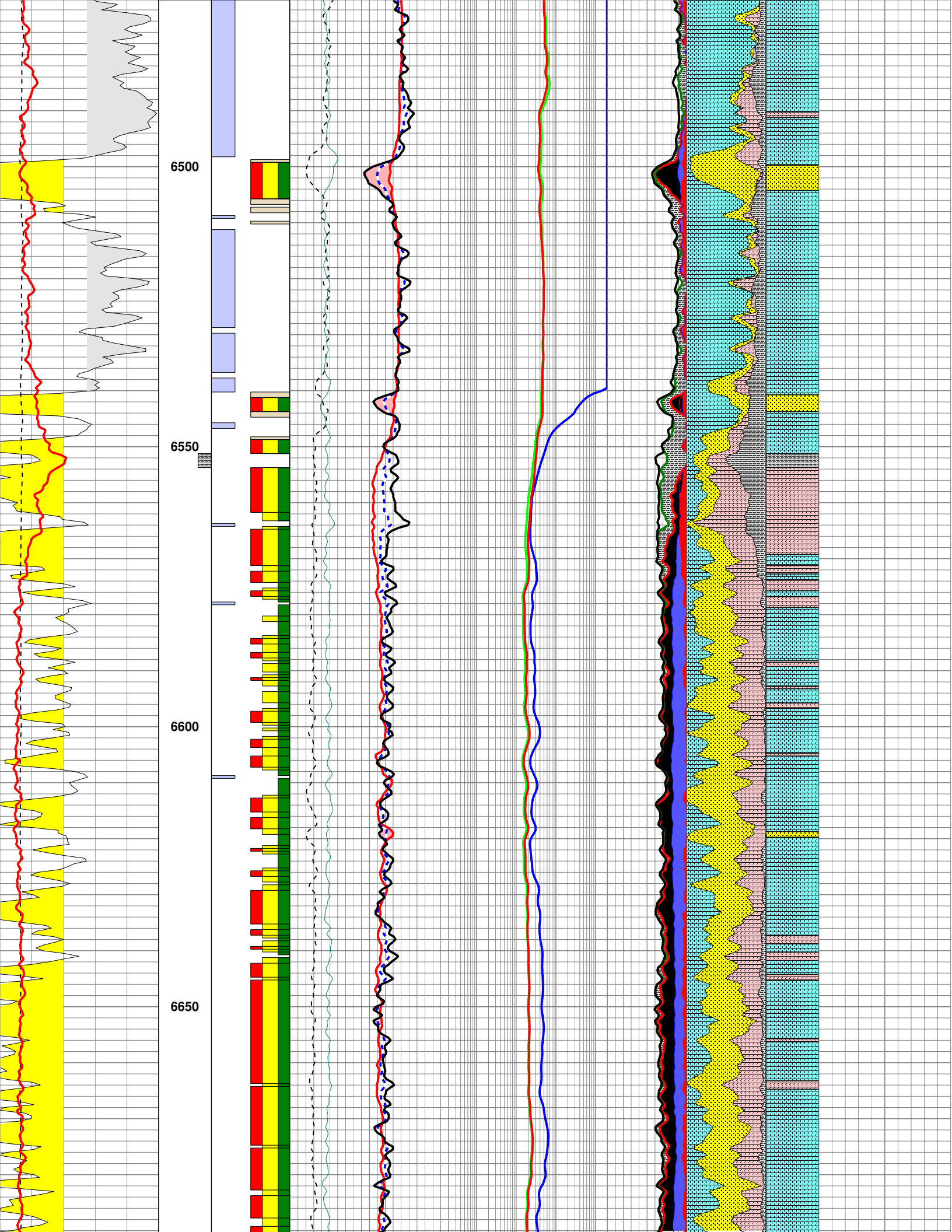
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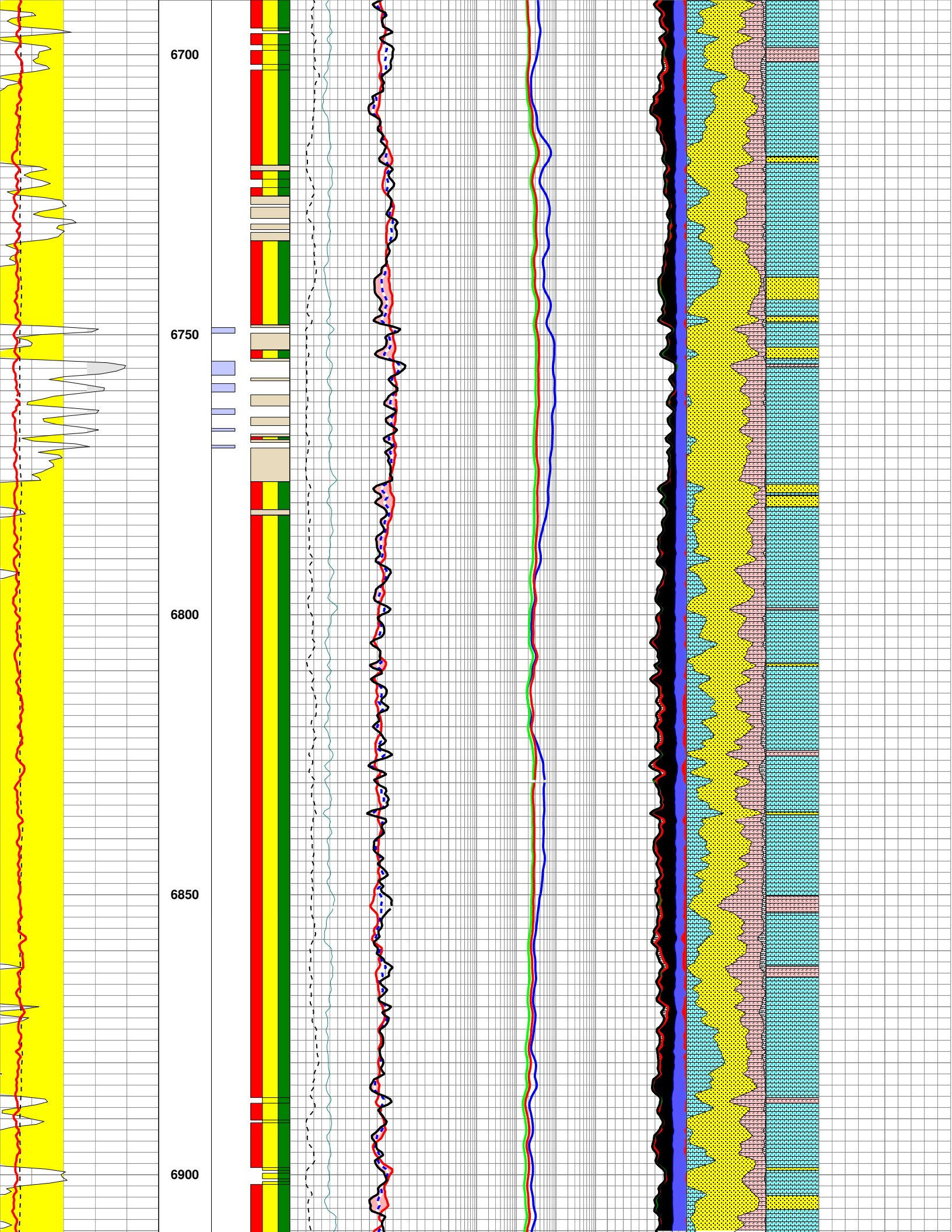
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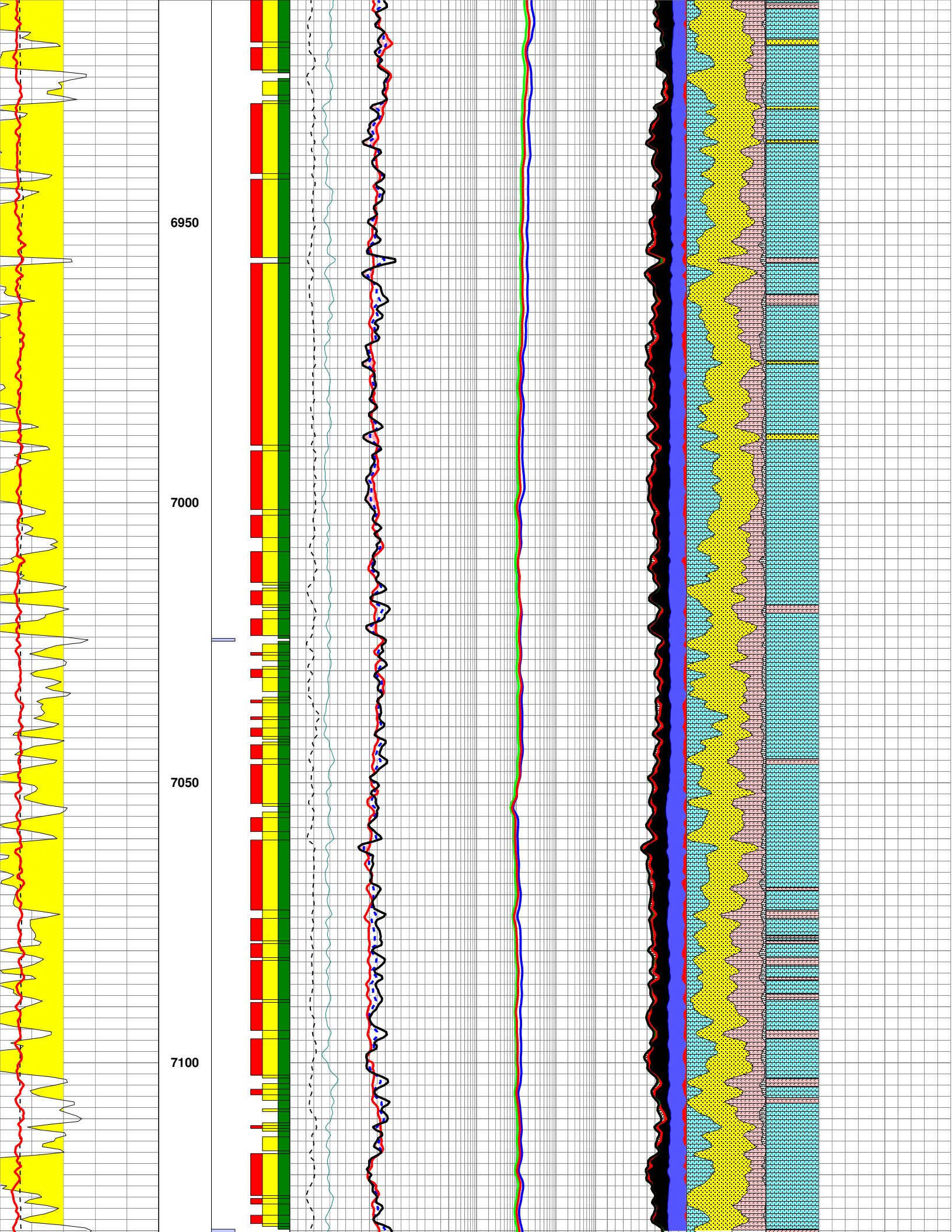
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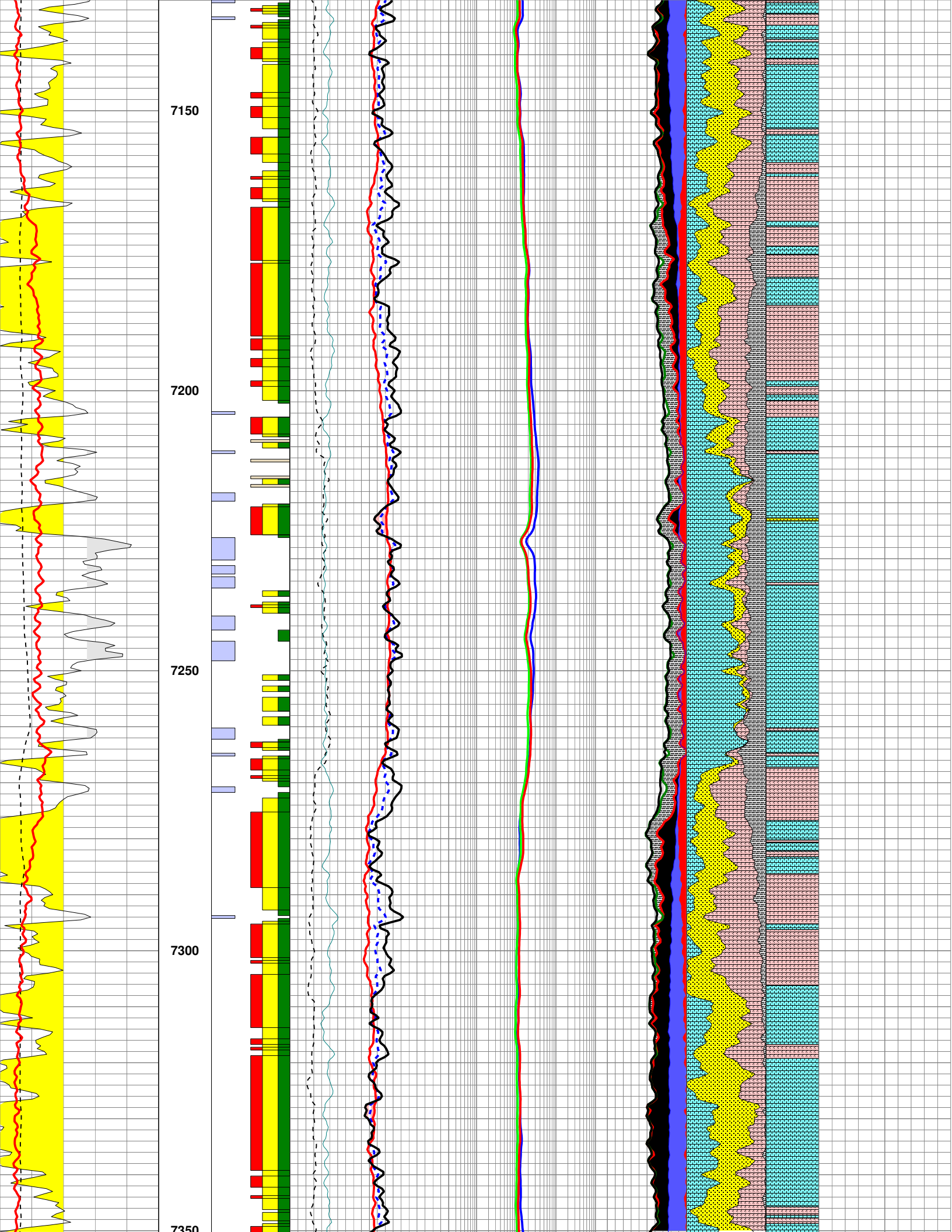


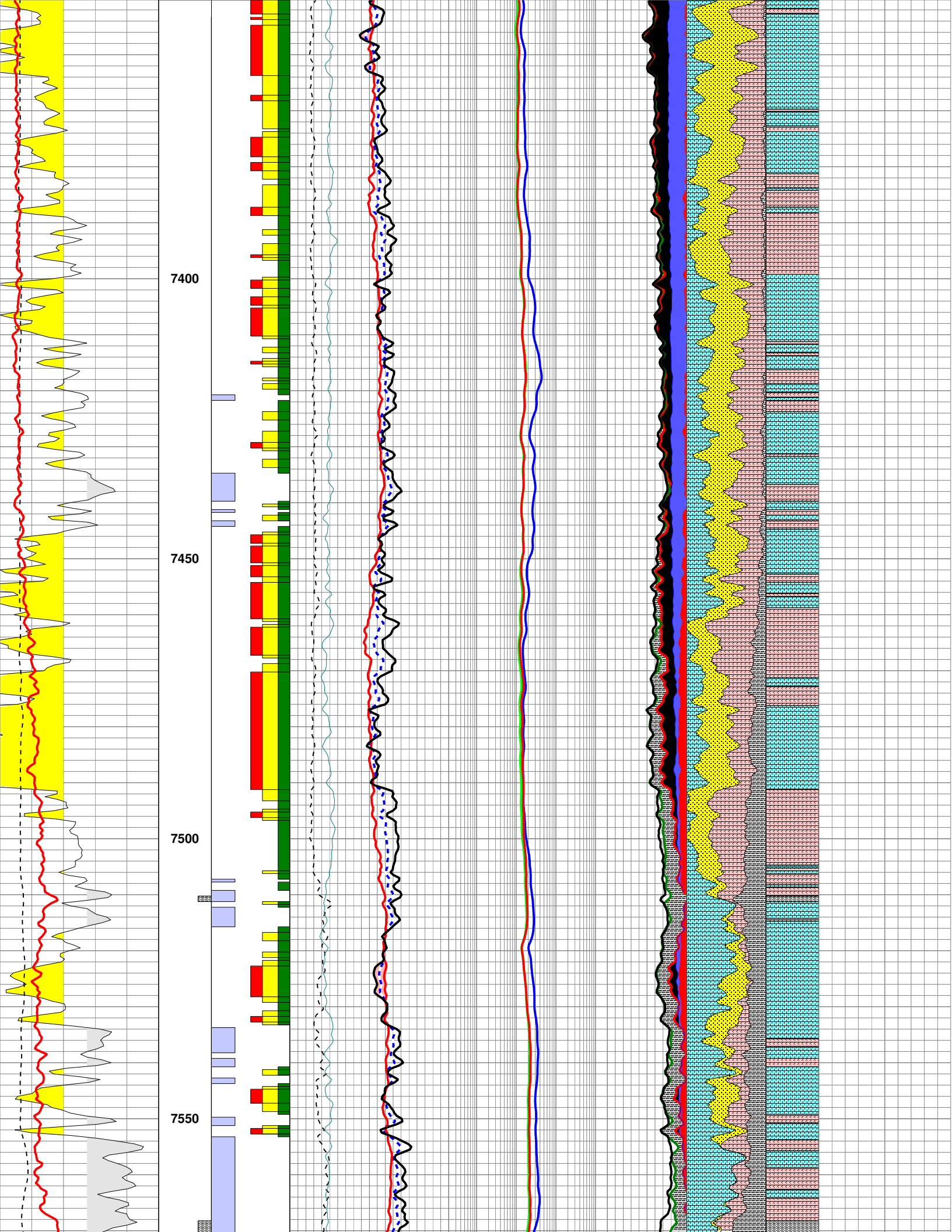


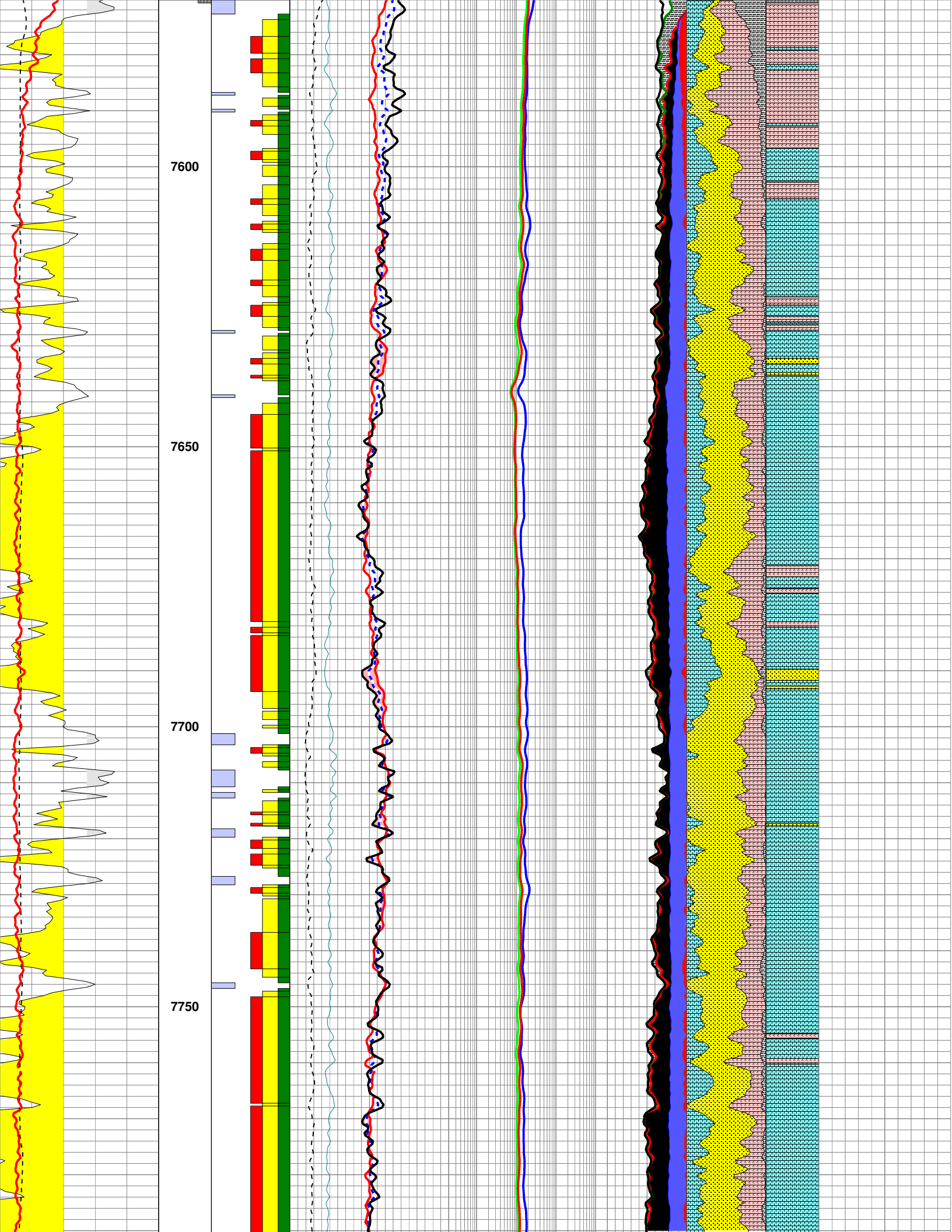


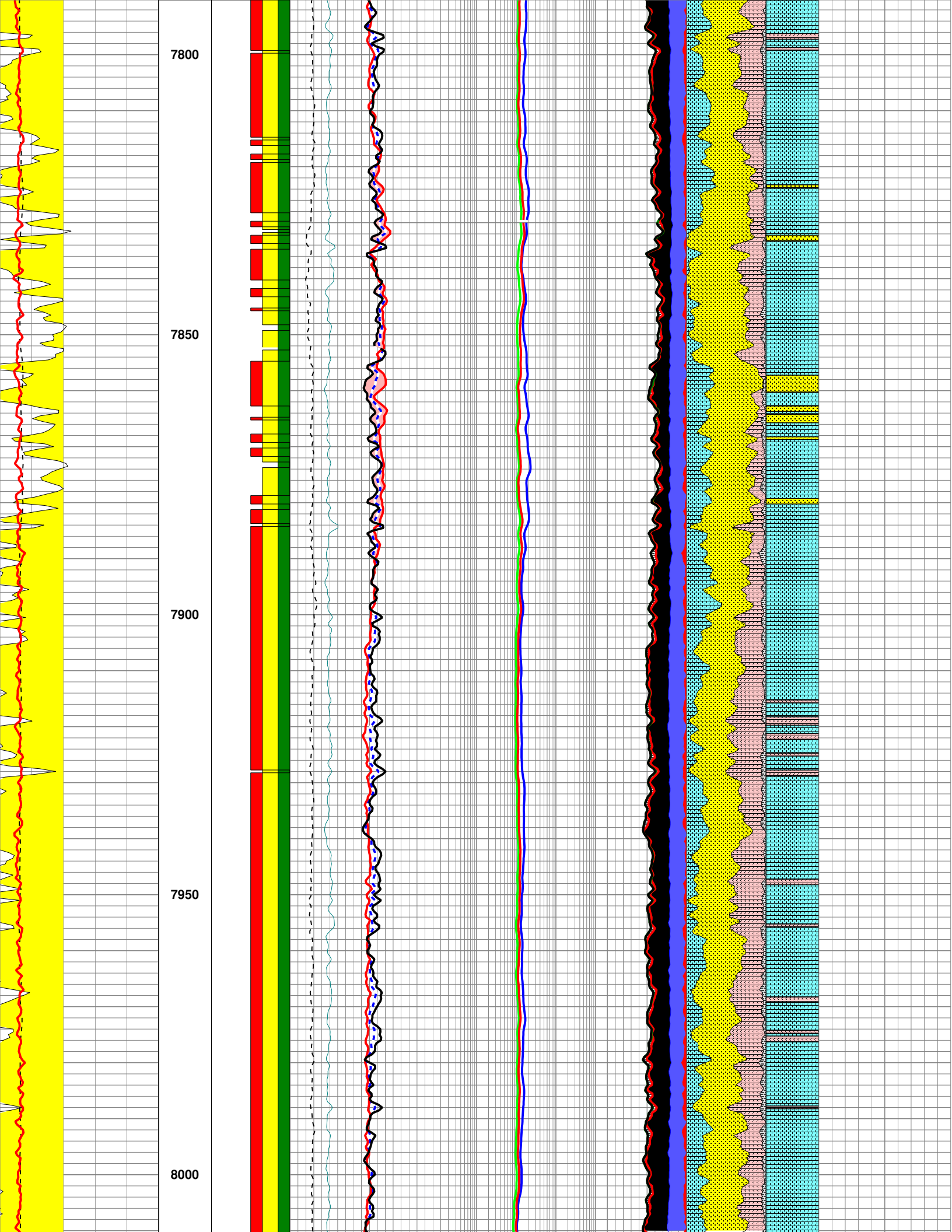


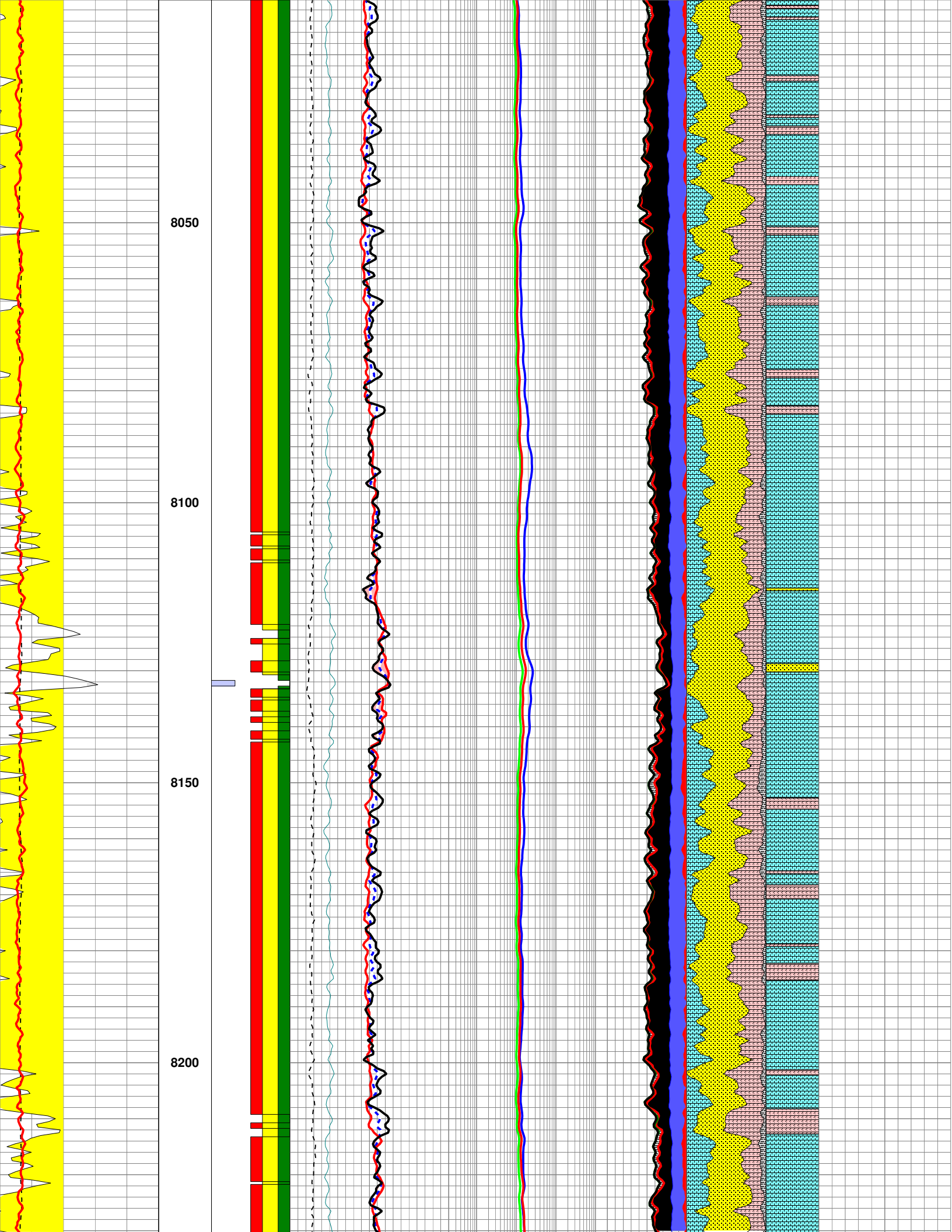


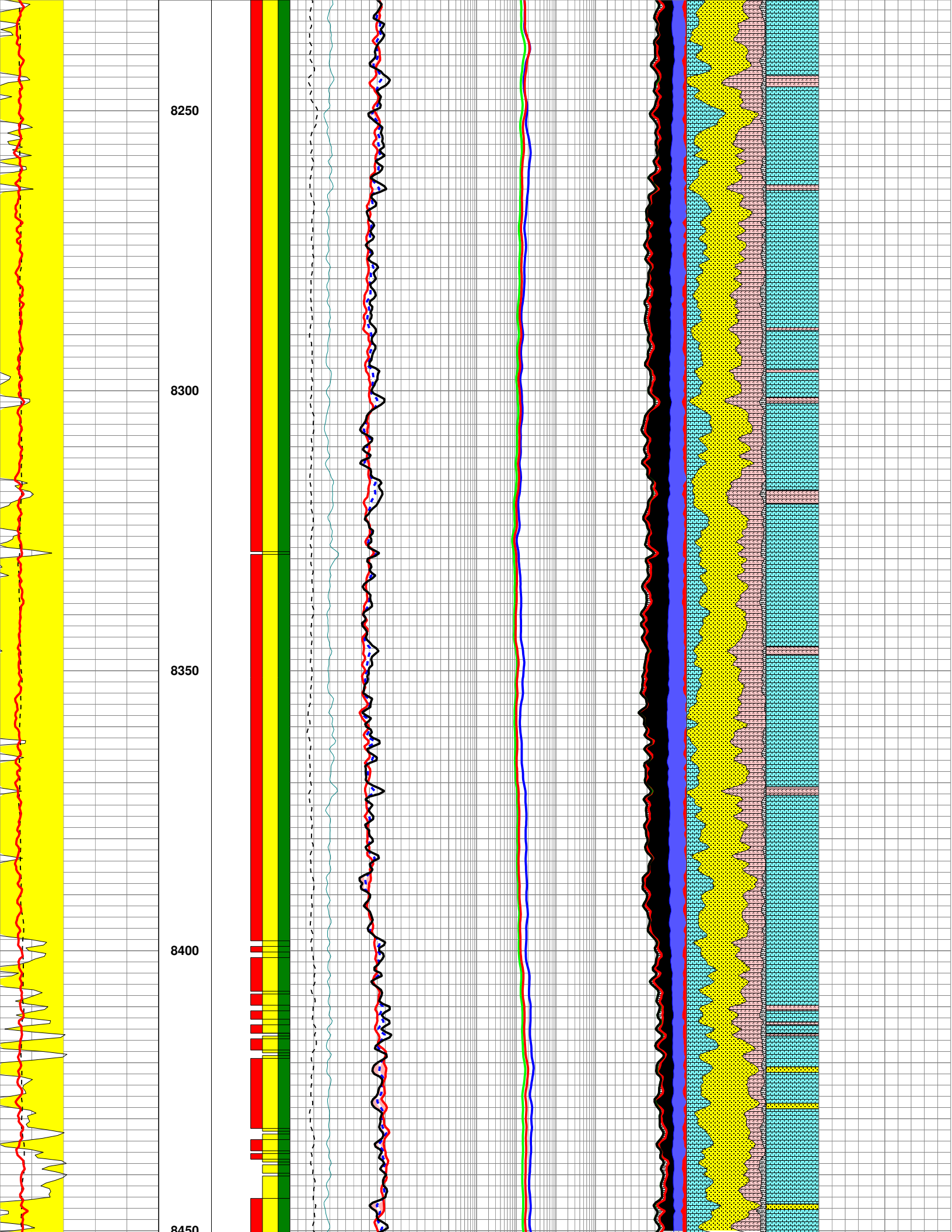


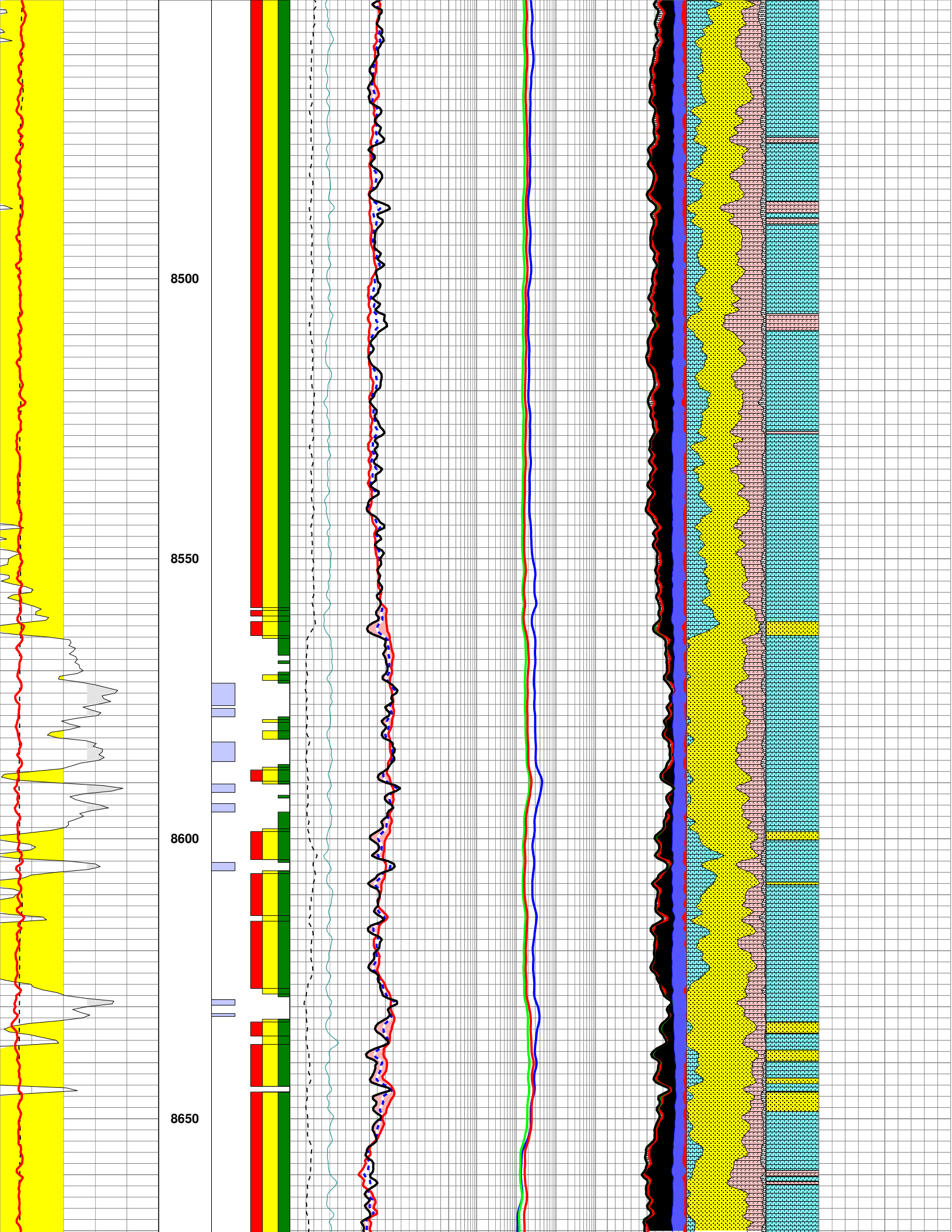


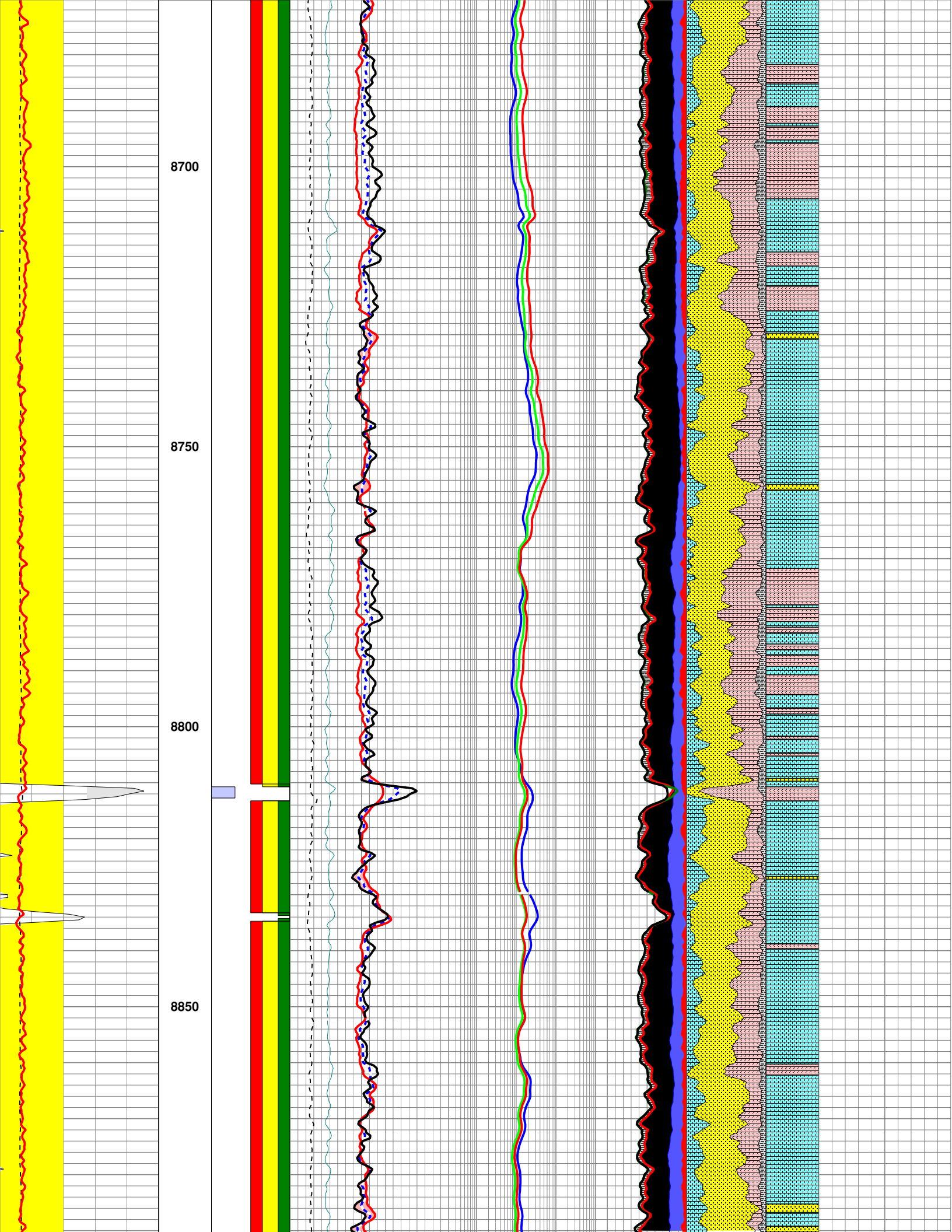


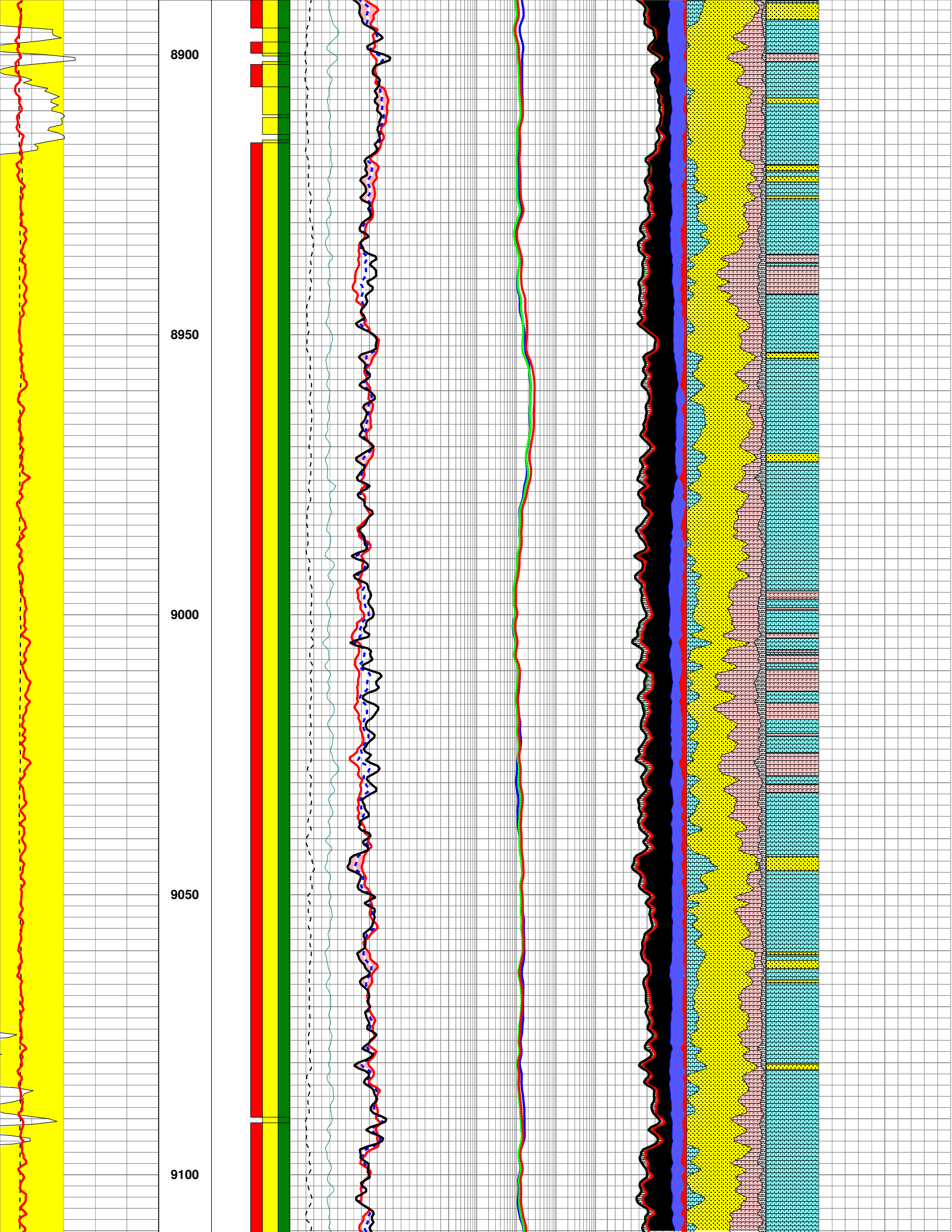


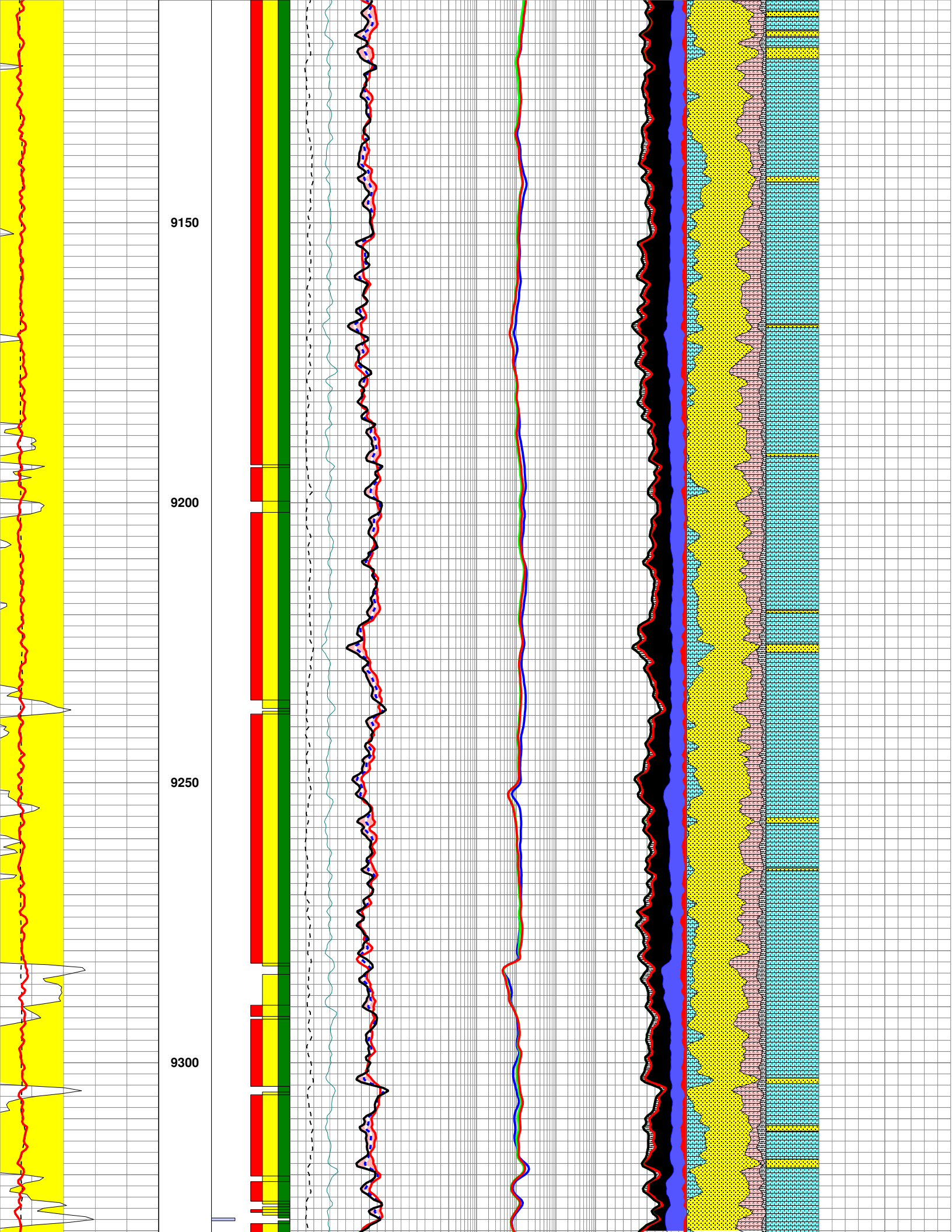


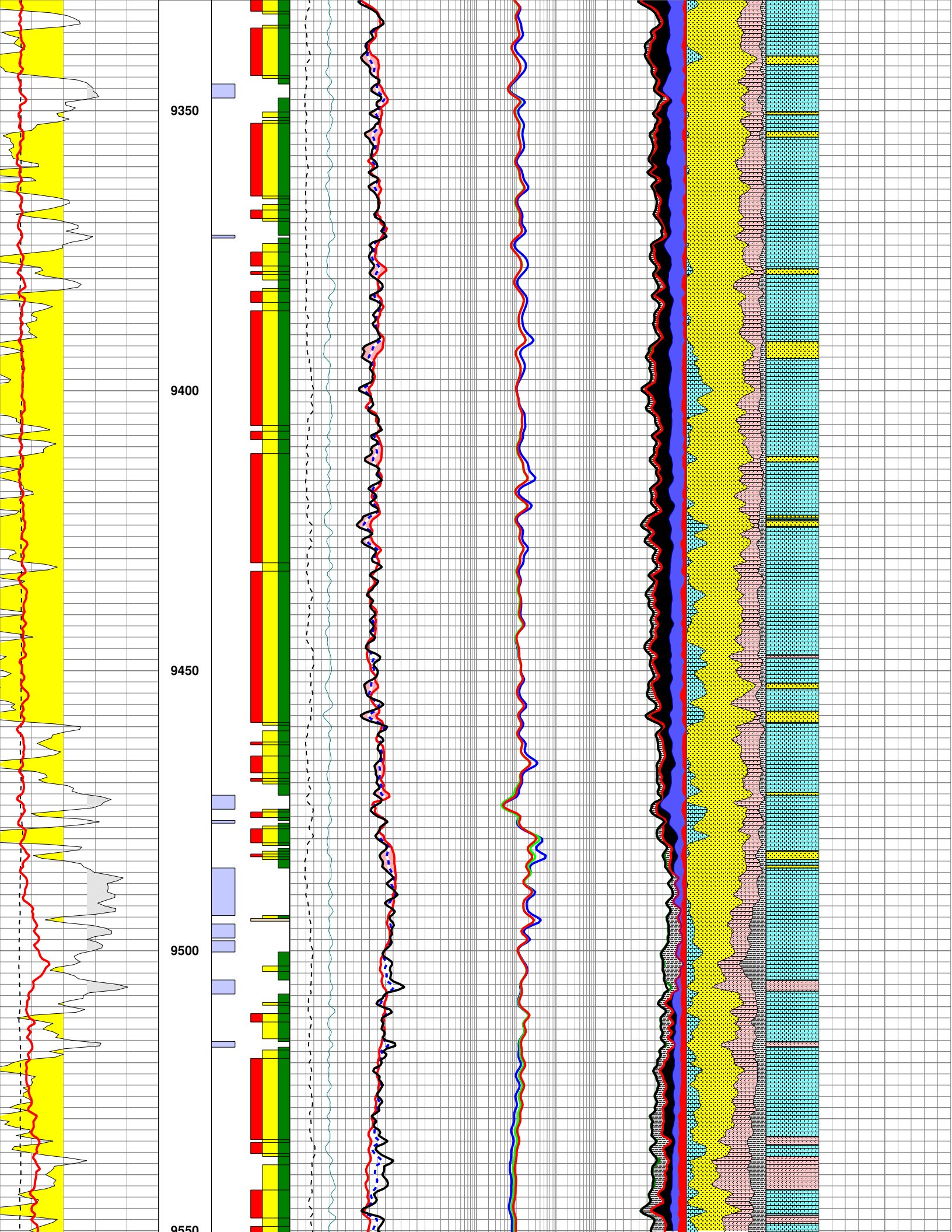


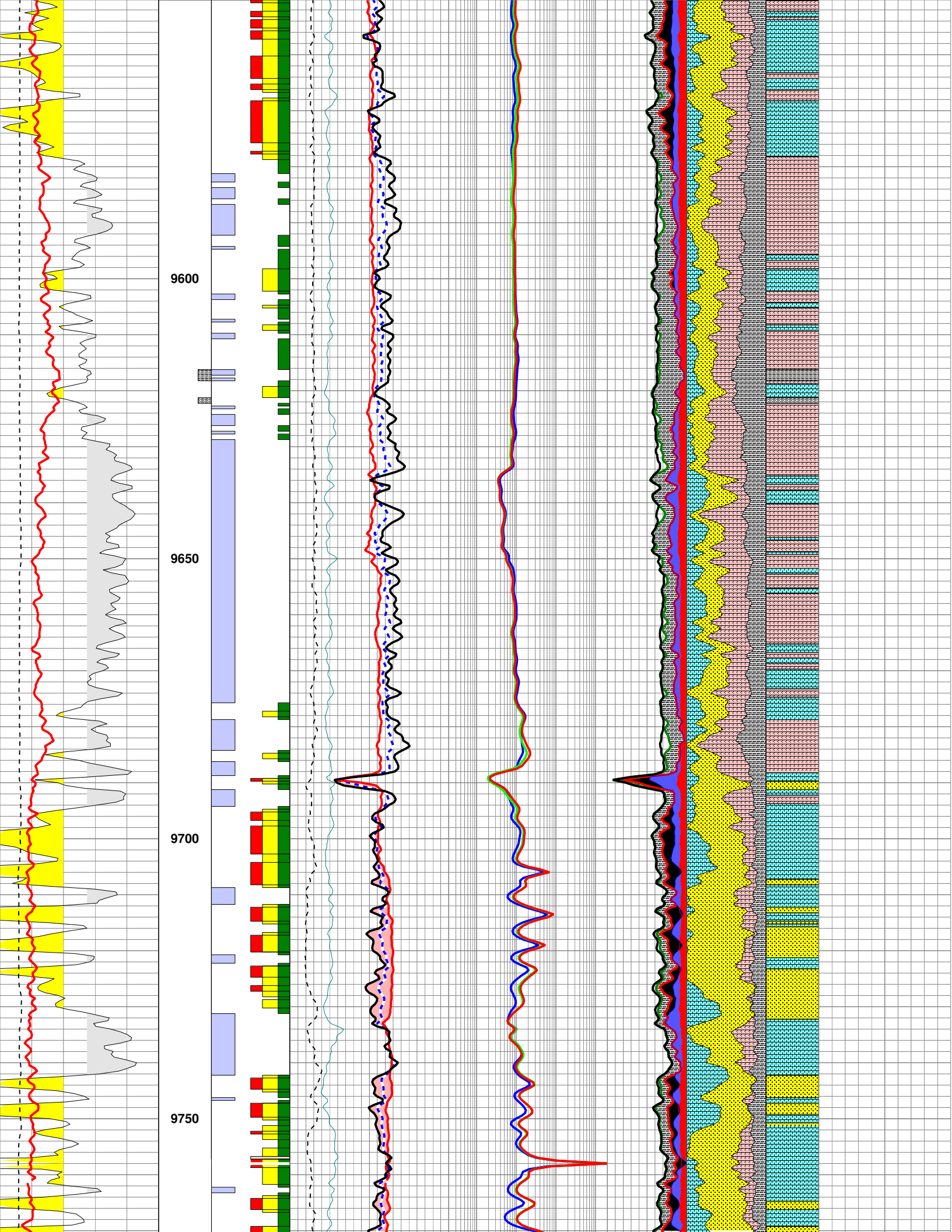


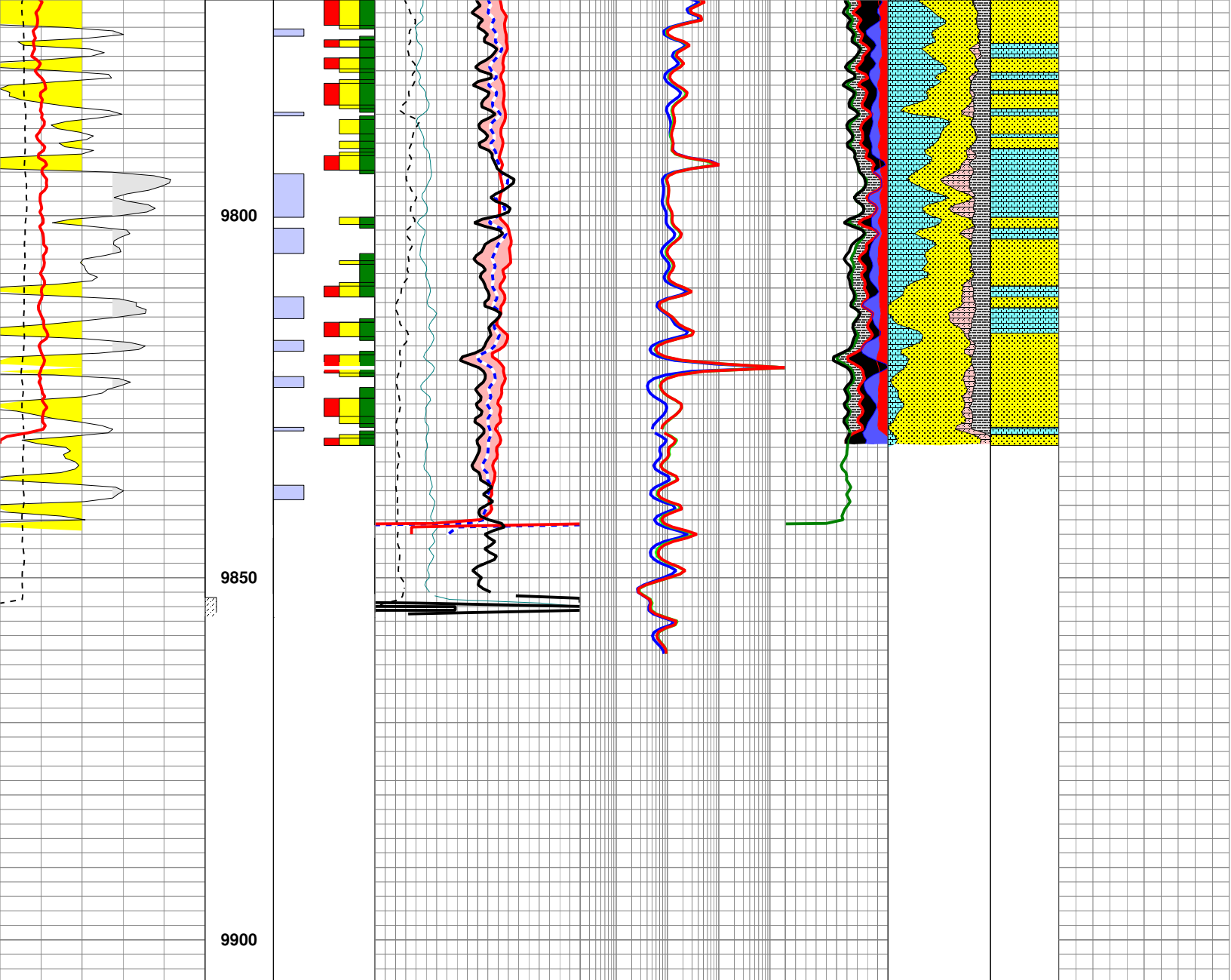












Correlation	Depth	RWA Flags	Open-Hole Porosity			Open-Hole Resistivity			Pore Space		Lithology	INT-LITH	Mudlog Data	
CGR(N/A)	MD	>=.075	PHID			ResD(90IN_2FT_R)			PHIT		Sandstone	Sandstone	C1(N/A)	
0 150			0.3	0.046	-0.10.2	21.157	2000.0000	0.2	0.074	0			0.0	250
GR	BHF	>=.06	PHIN			ResM(60IN_2FT_R)			PHIA		Limestone	Limestone	C2(N/A)	
0 150			0.3	0.094	-0.10.2	18.512	2000.0000	0.200	0.070	0			0.0	250
GRPO(N/A)	Vshl >.4	>=.045	SXP			ResS(20IN_2FT_R)			BVW		Dolomite	Dolomite	C3(N/A)	
0 150			0.3	0.070	-0.10.2	21.611	2000.0000	0.2	0.021	0			0.0	250
GRTH(N/A)		<.045	DRHO						PHIE		Clay	Shale	C4(N/A)	
0 150			-0.25	-0.009	0.75								0.0	250
GRUR(N/A)		Tight Pay	Crossover						BVWb				OIL_CURVE	
0 150								0.2	0.018	0			0.0	-999.250 1
CALI(DCAL)			PEF						Hydrocarbon				ROP2	
5 15			0.0	2.654	20								150	-999.250 0
RWA_SXP									Milk Volume Wa					
0.1 0.0									Clay Water					
RWA<.045														

RWA>=.06					Bound Water		
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