SANDRIDGE
THE POWER OF US™

# Triple Combo
# 4-Mineral/Dual Water
# NMR
# Core Data

API WELL NO. 15077219210000

CLIENT
COMPANY SANDRIDGE EXP & PROD
WELL MURRAY 3406 1-5H
FIELD EASTHAM NORTH
COUNTY HARPER STATE KANSAS

LOCATION : TWP: 34 S - Range: 6 W - Sec. 5
200 FSL 660 FEL
200' FSL & 660' FEL

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. 1269
D.F.
G.L. 1254

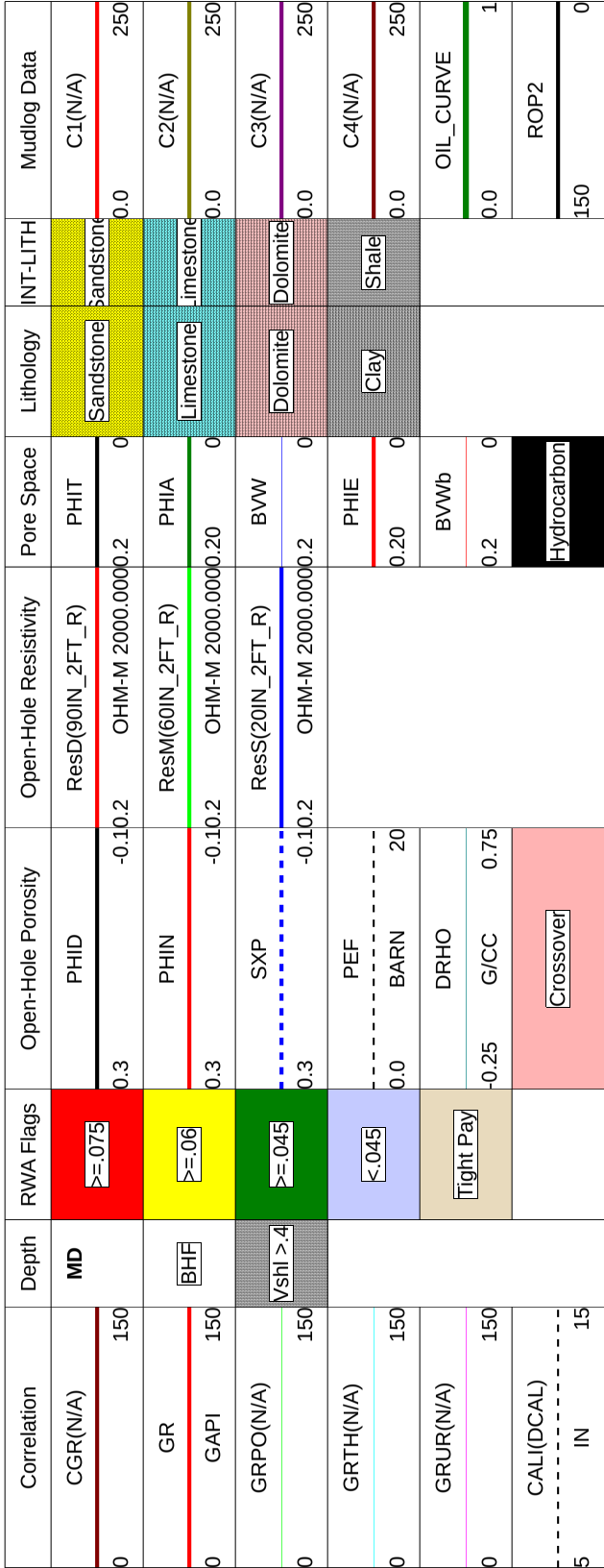
| | | | | |
|---|---|---|---|---|
| DATE | 30 - DEC - 1899 | | | |
| RUN NO. | | | | |
| DEPTH - DRILLER | | | | |
| DEPTH - LOGGER | 8833.5 | | | |
| BOTTOM LOGGED INTERVAL | 8833.5 | | | |
| TOP LOGGED INTERVAL | 2490 | | | |
| CASING - DRILLER | | | | |
| CASING - LOGGER | | | | |
| BIT SIZE | | | | |
| 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 | | | | |

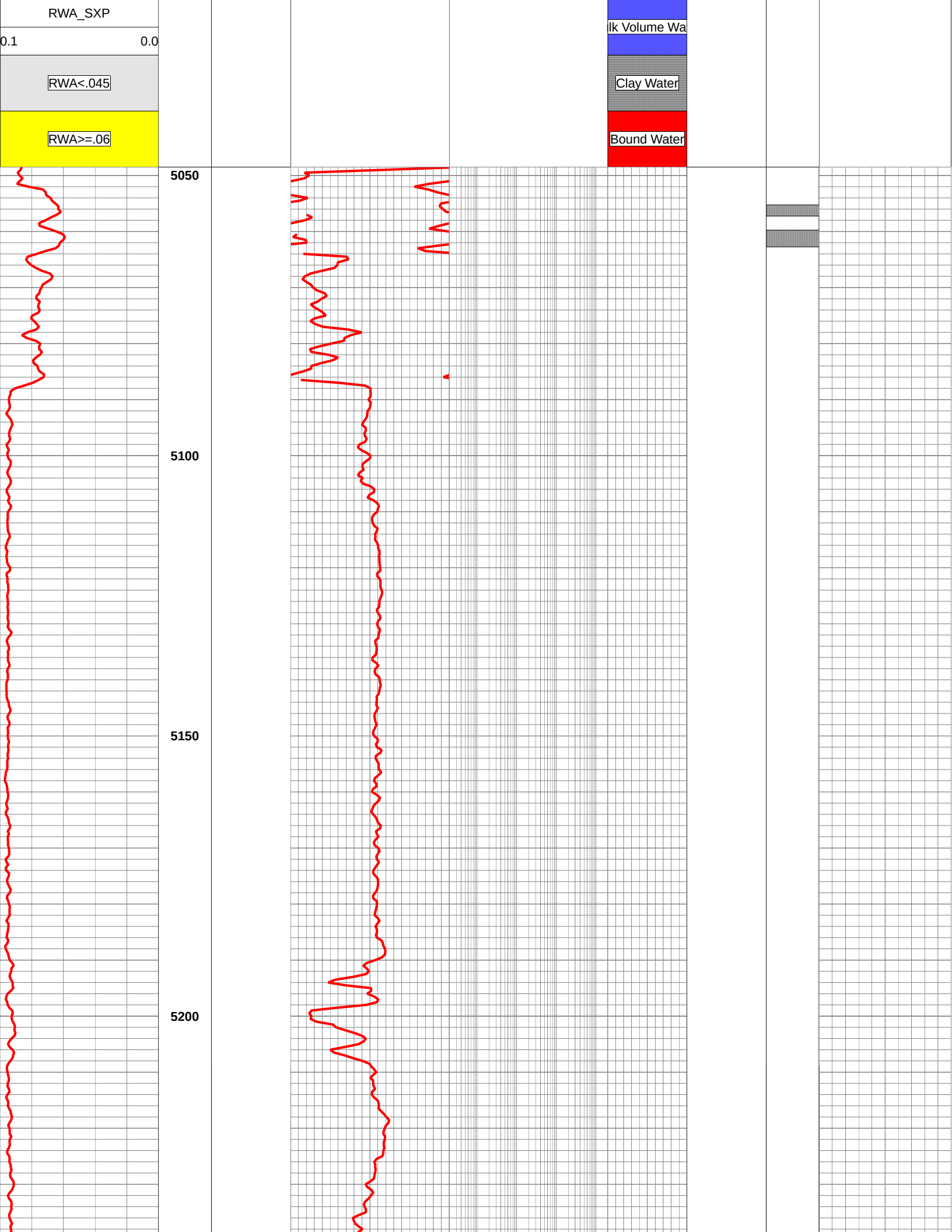
FOLD HERE

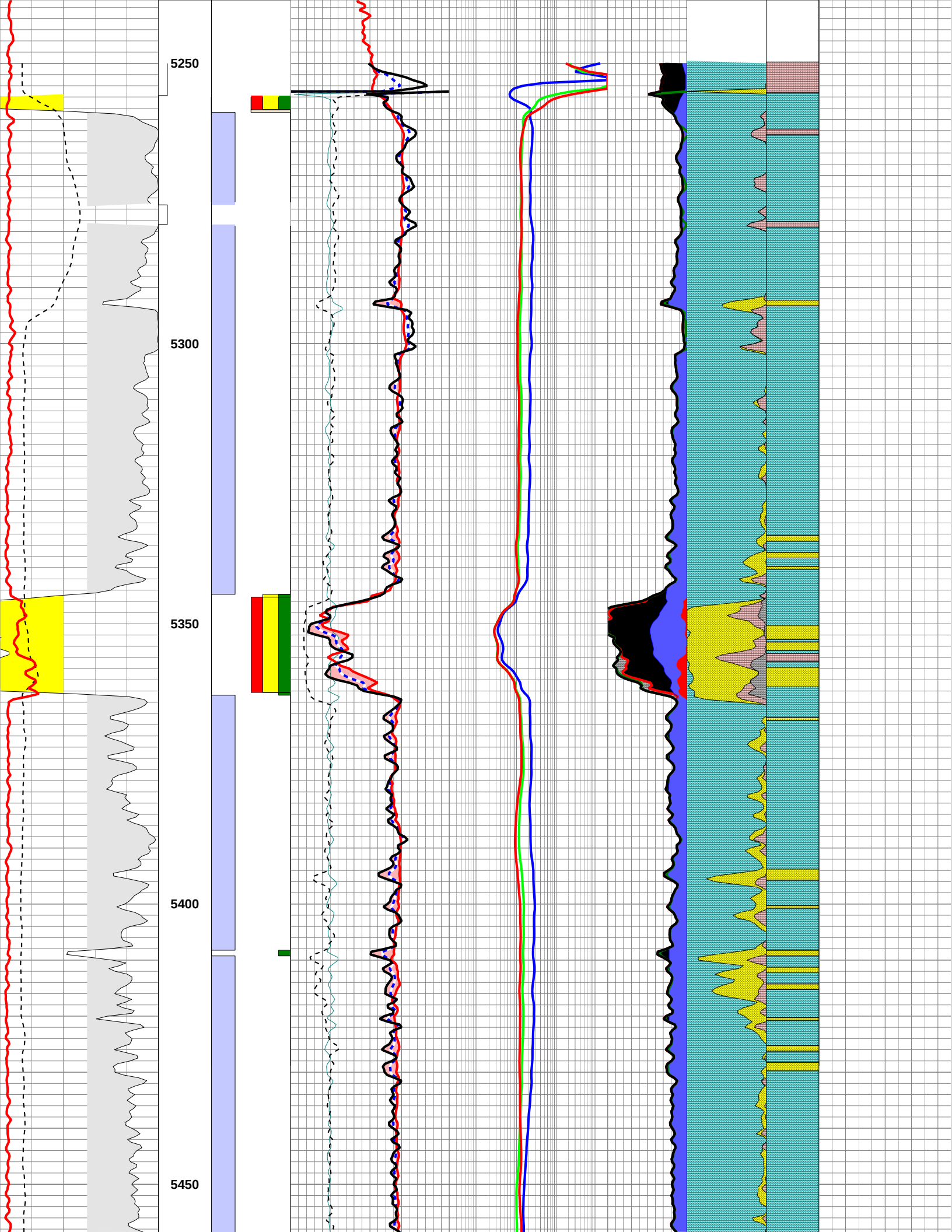
Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness 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
lk Volume Wa
Clay Water
Bound Water
5050
5100
5150
5200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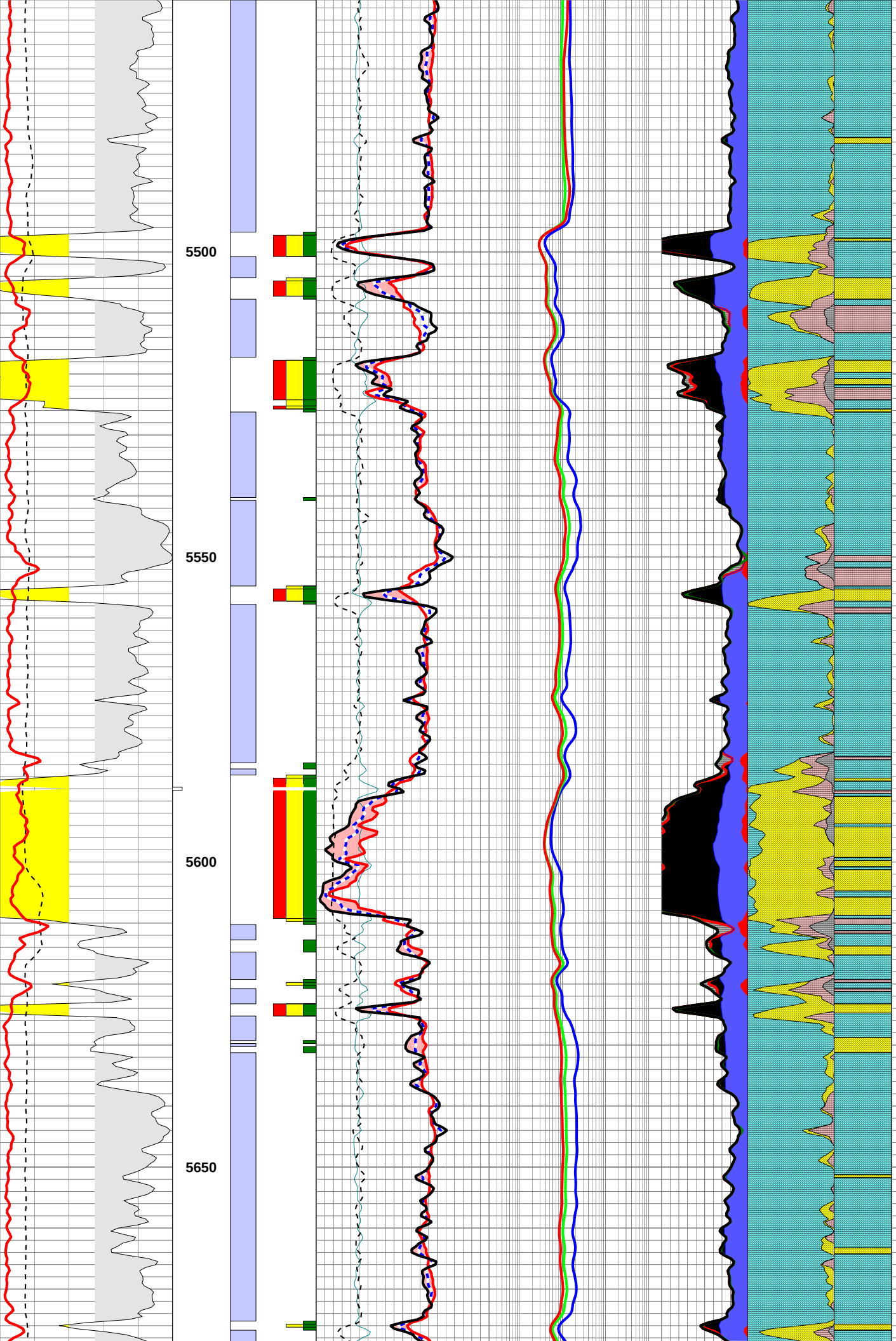
5300
5350
5400
5450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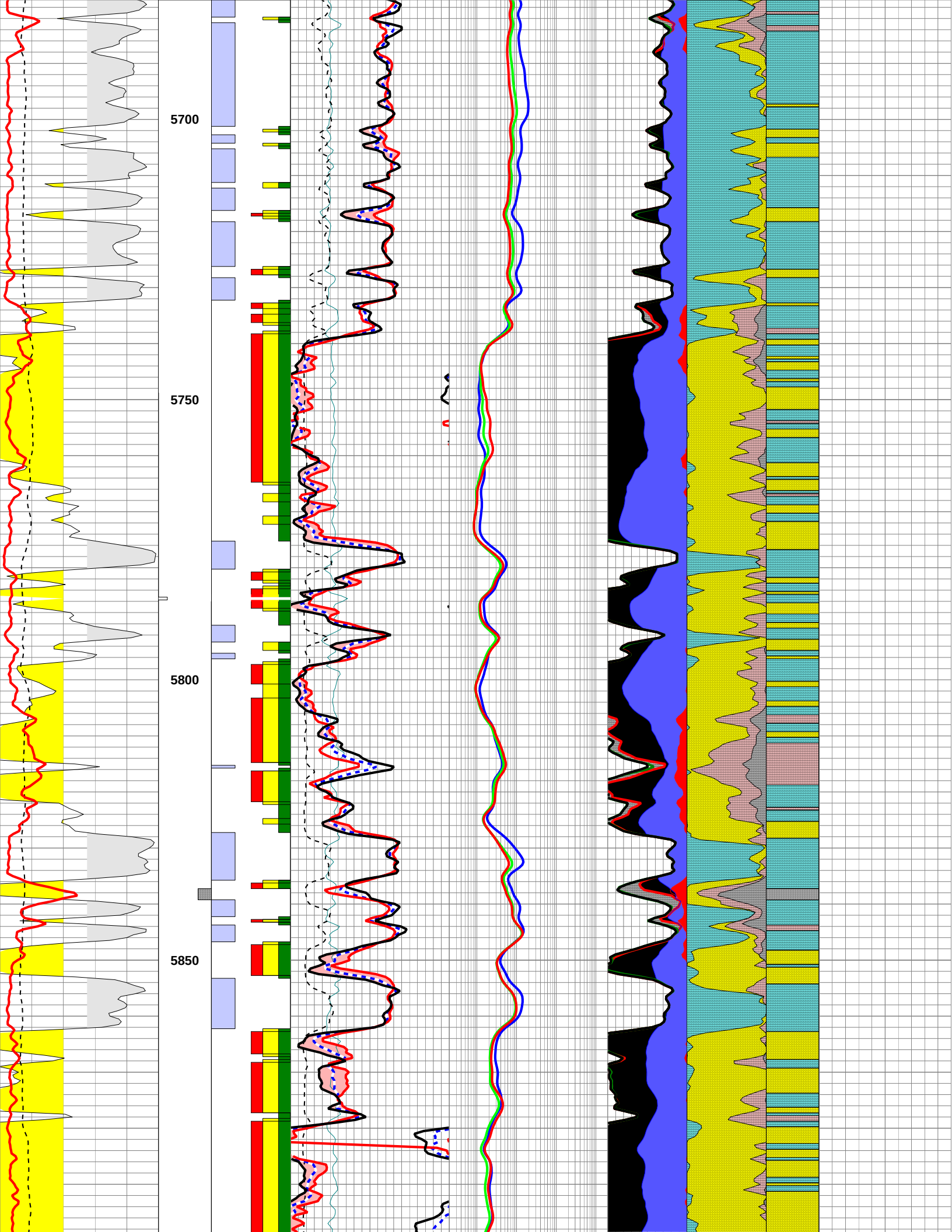
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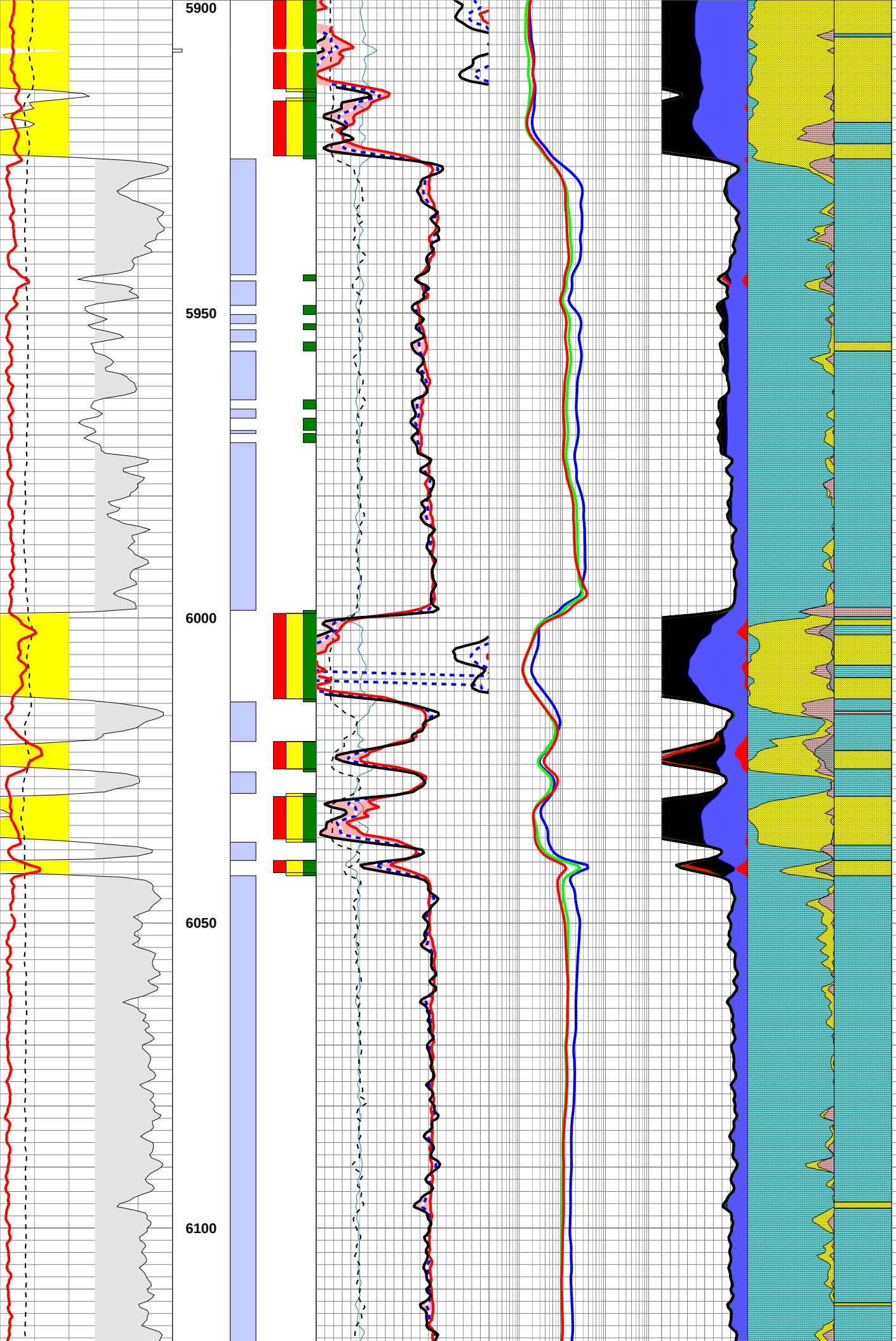
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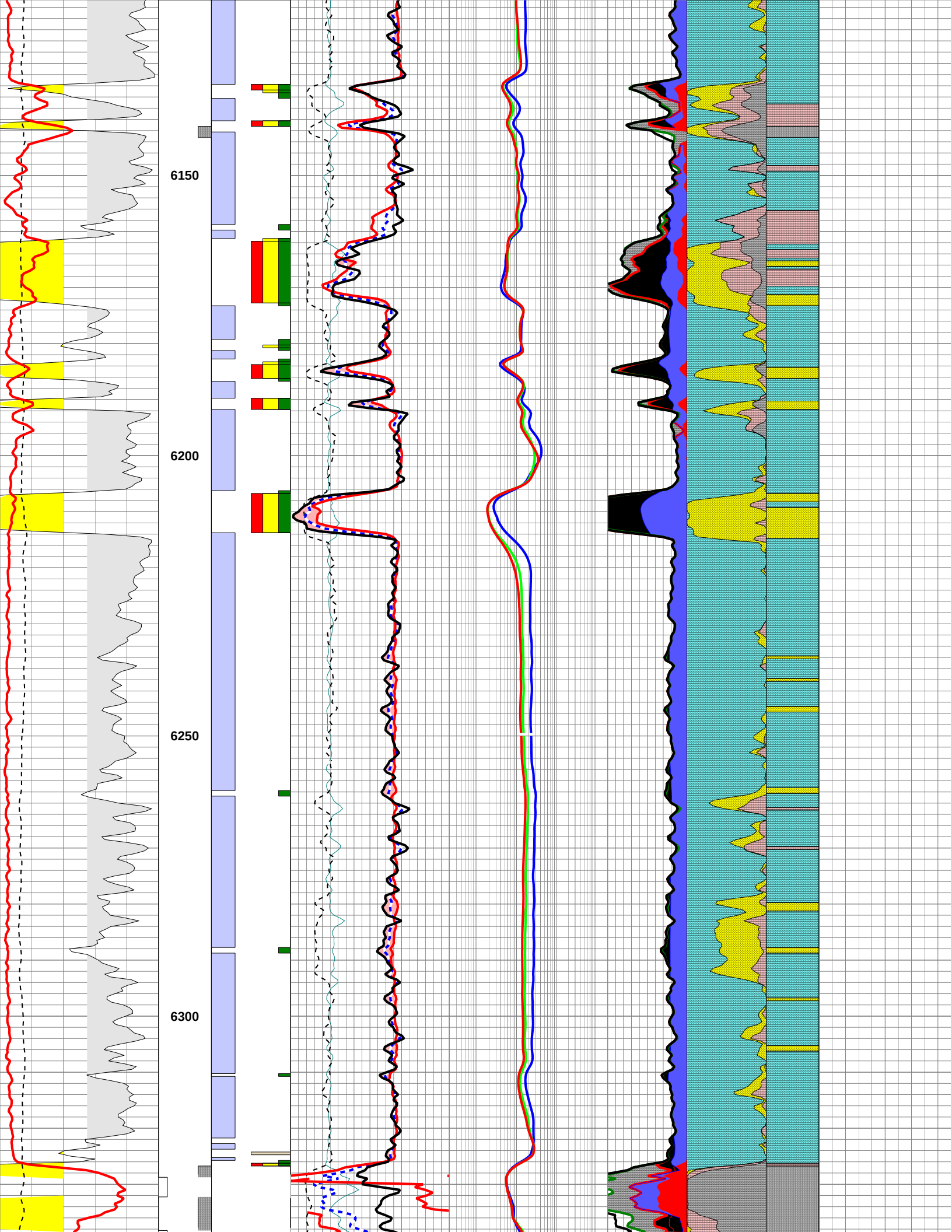
6000
6050
6100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6200
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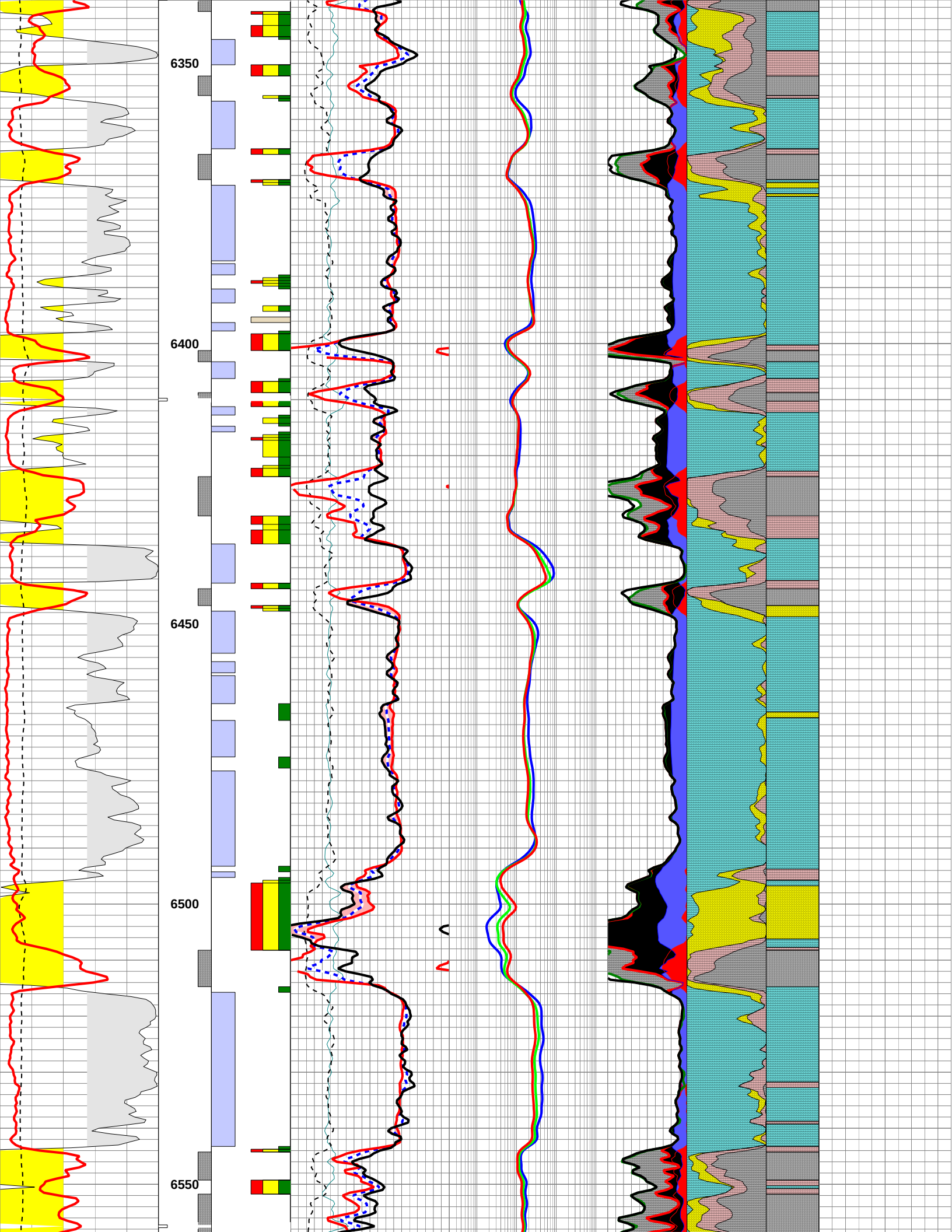
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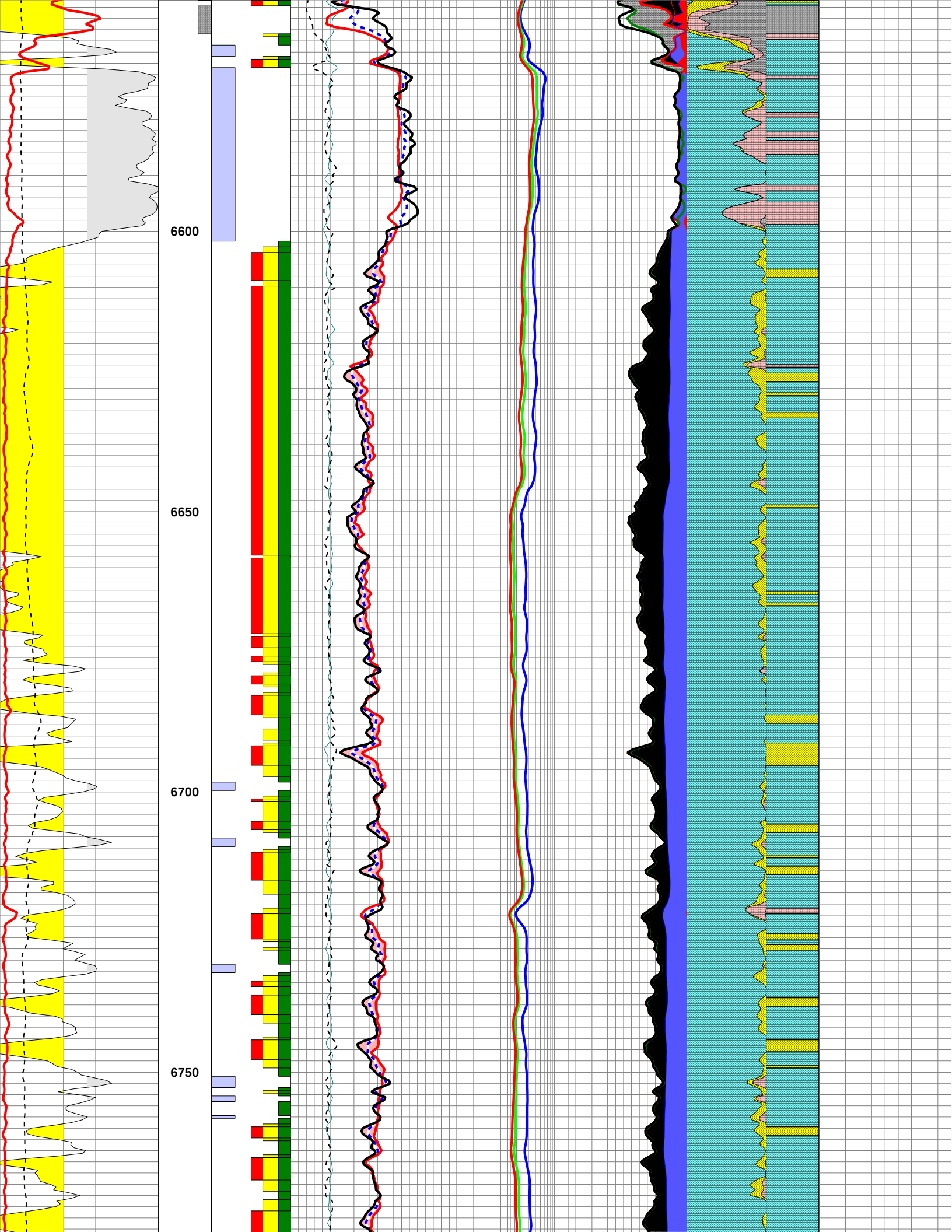
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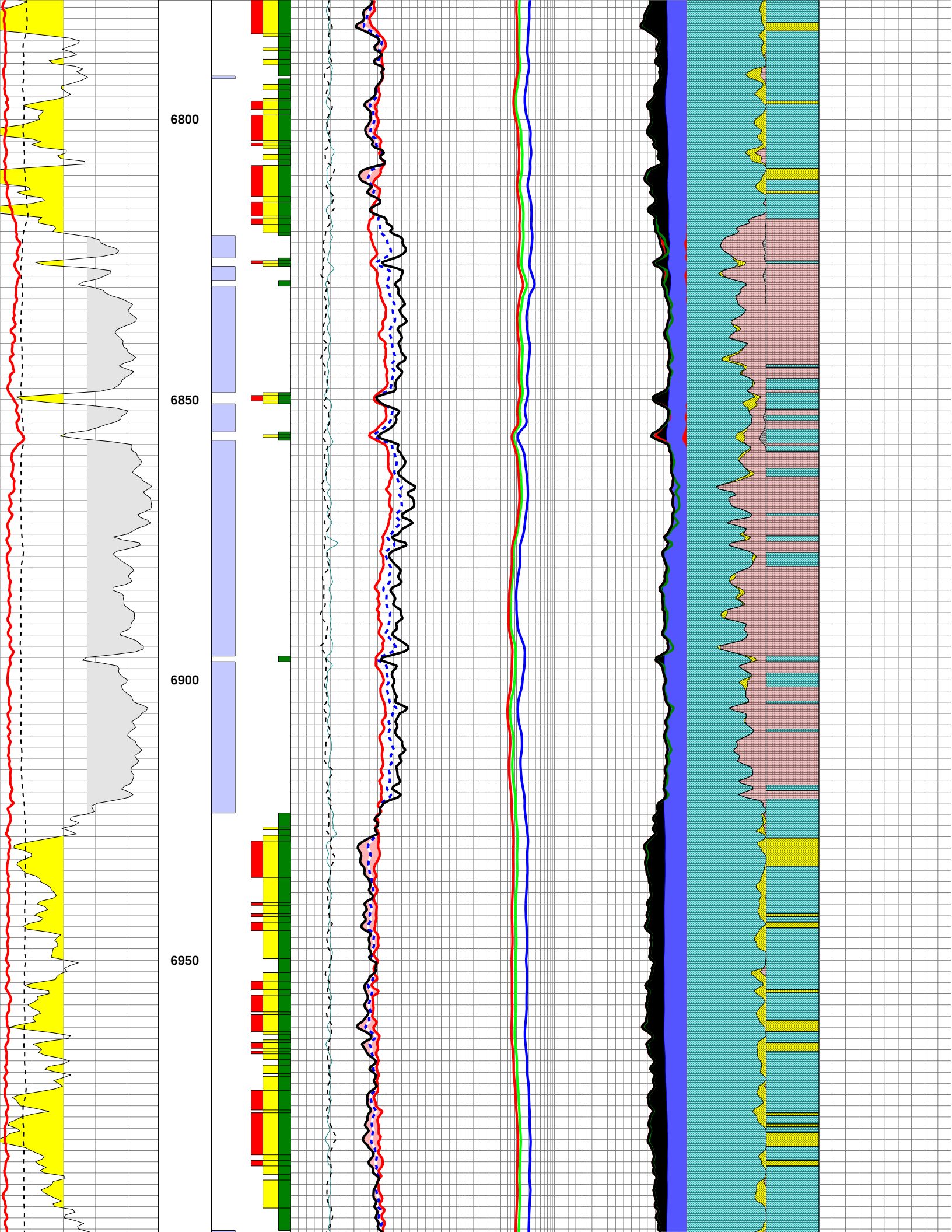
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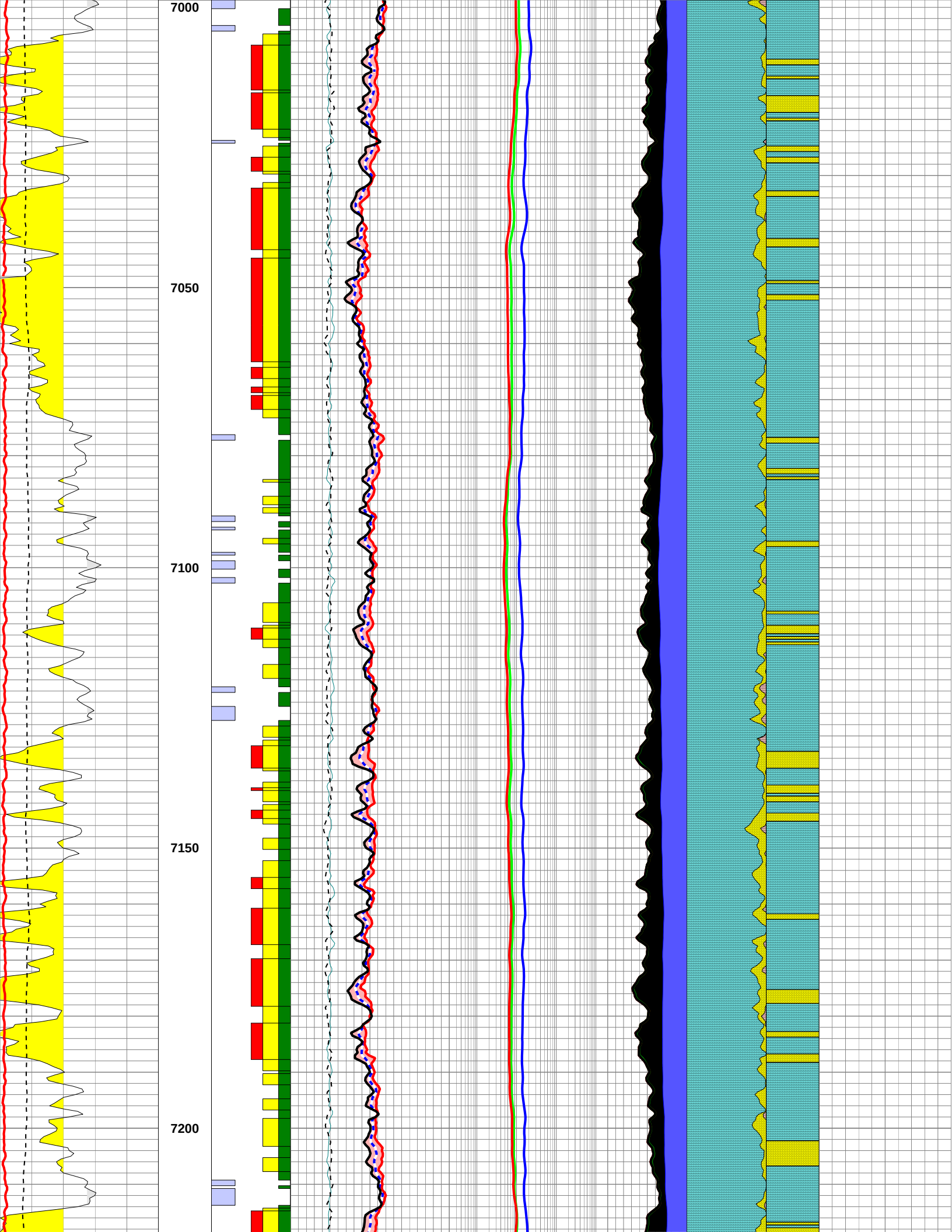
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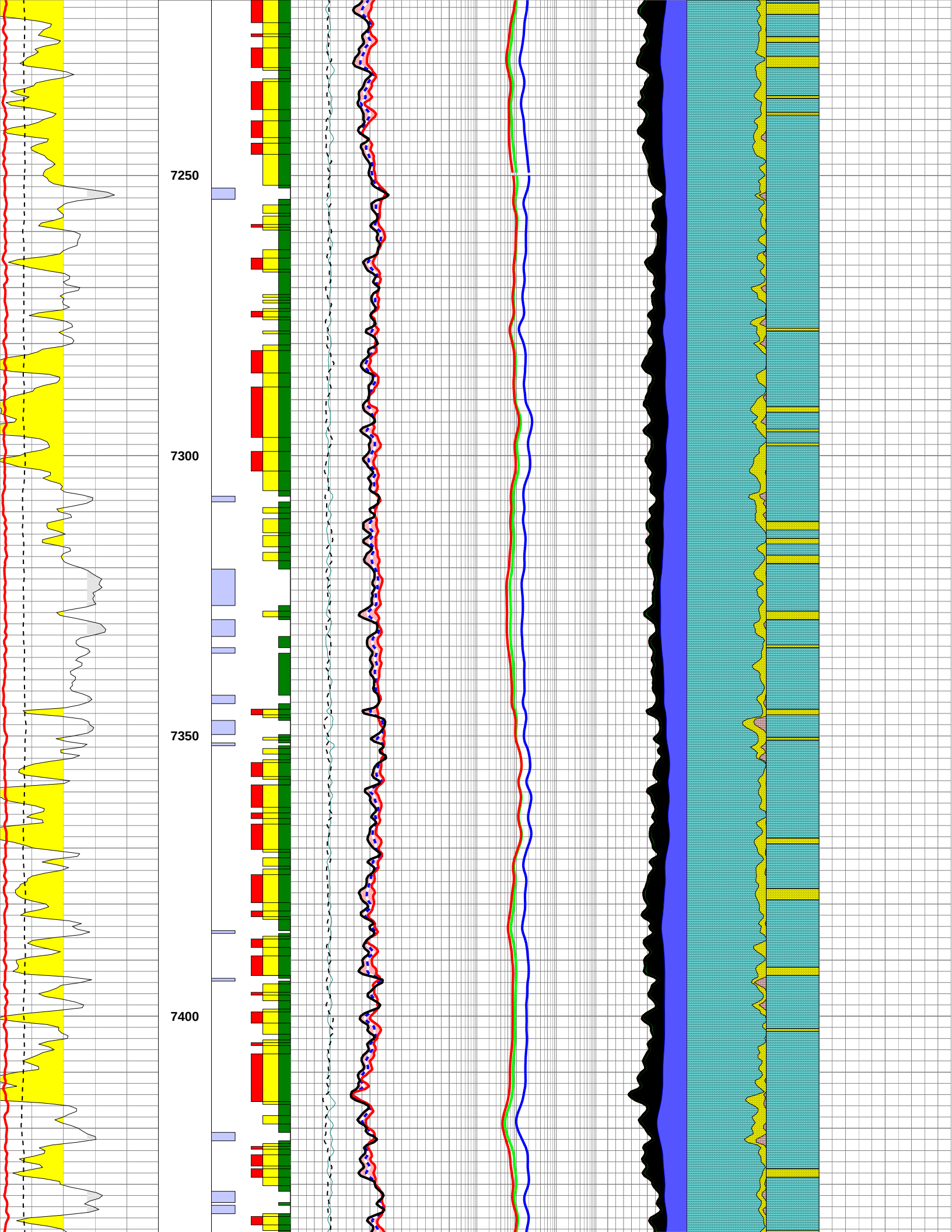
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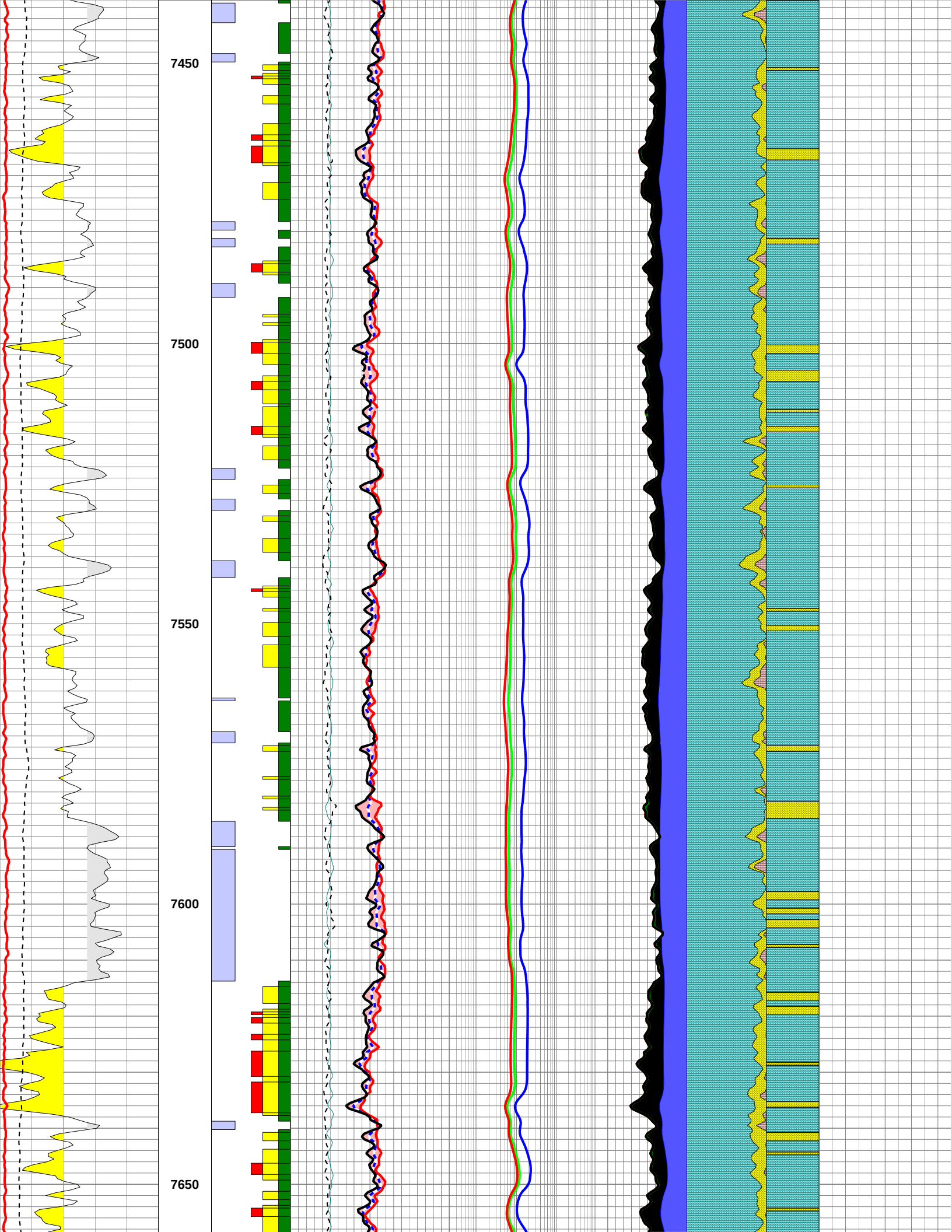
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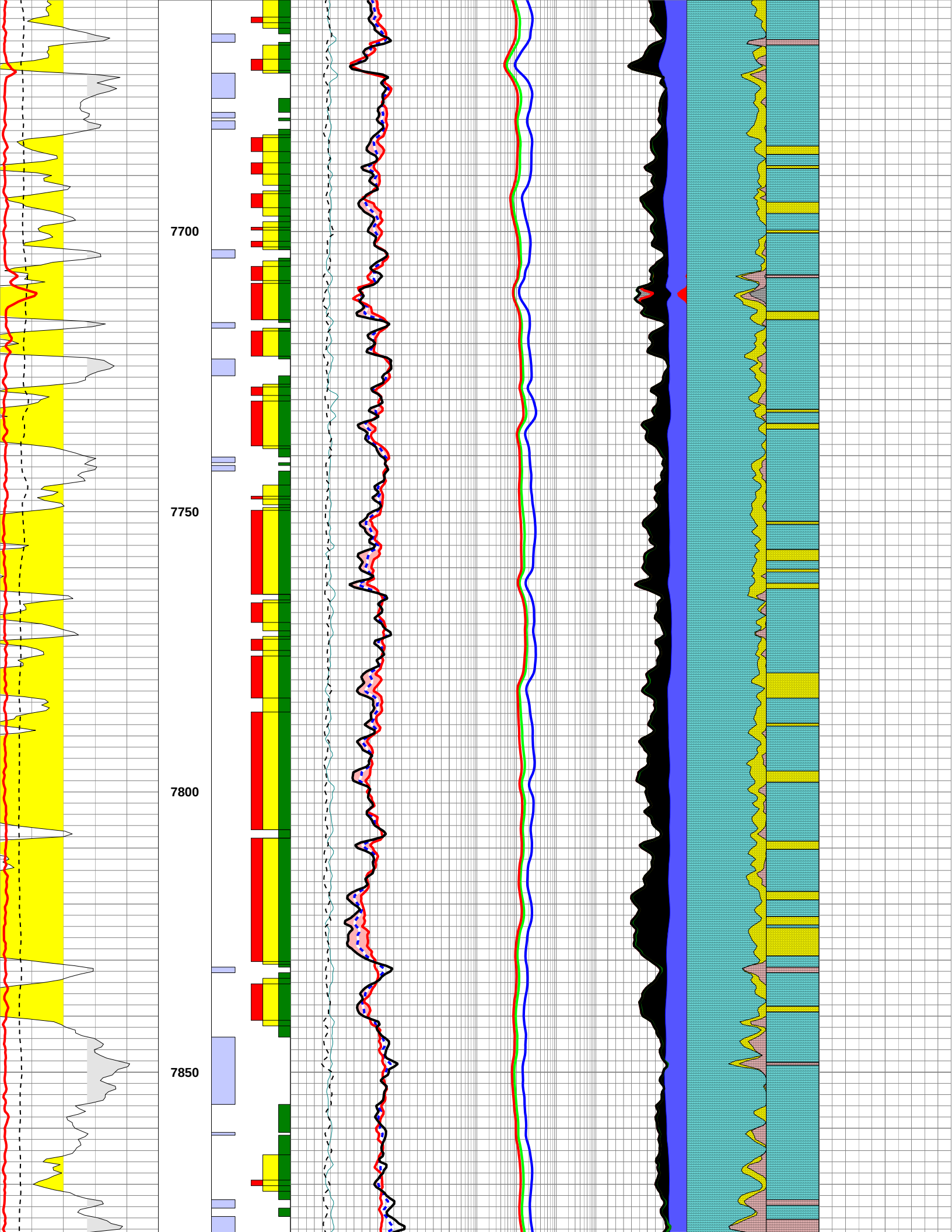
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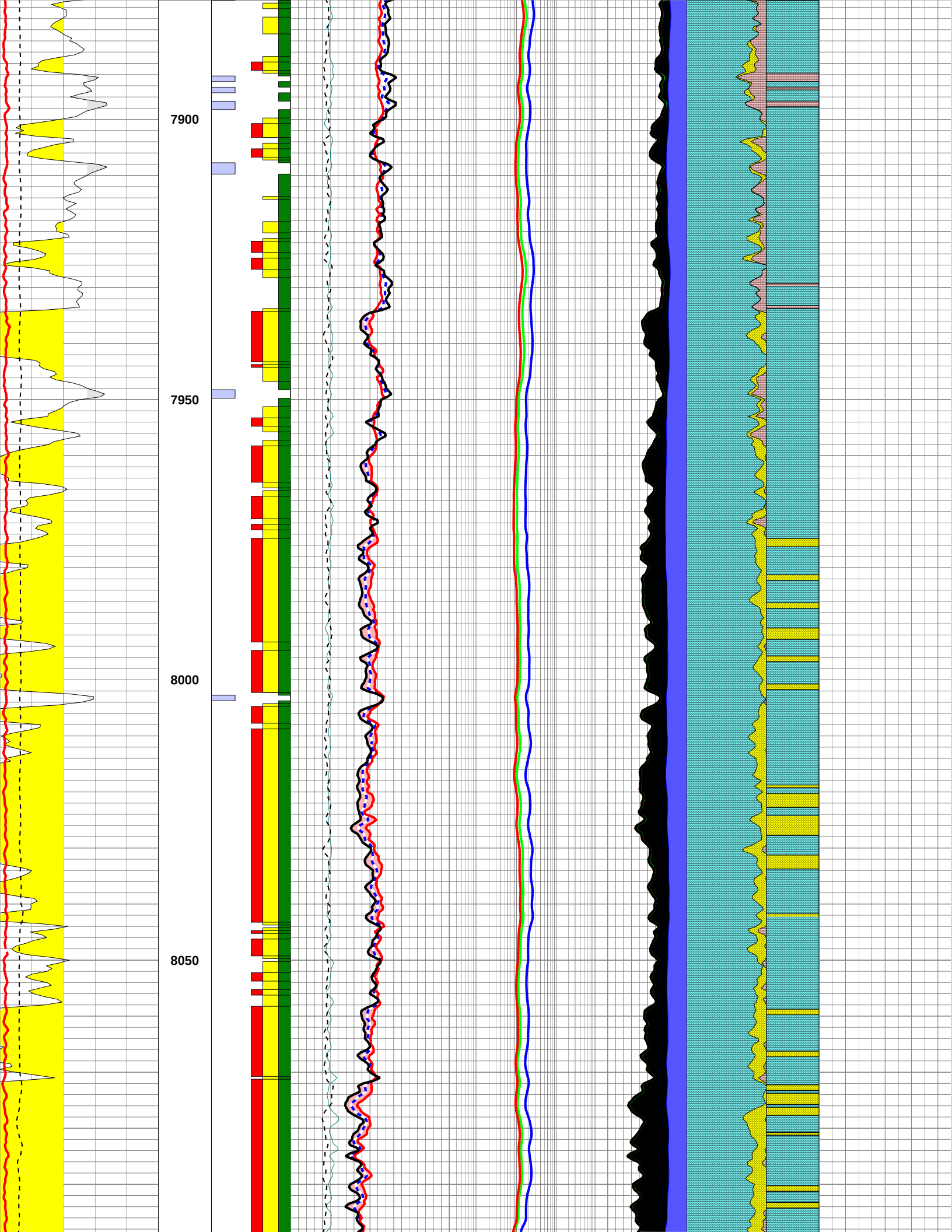
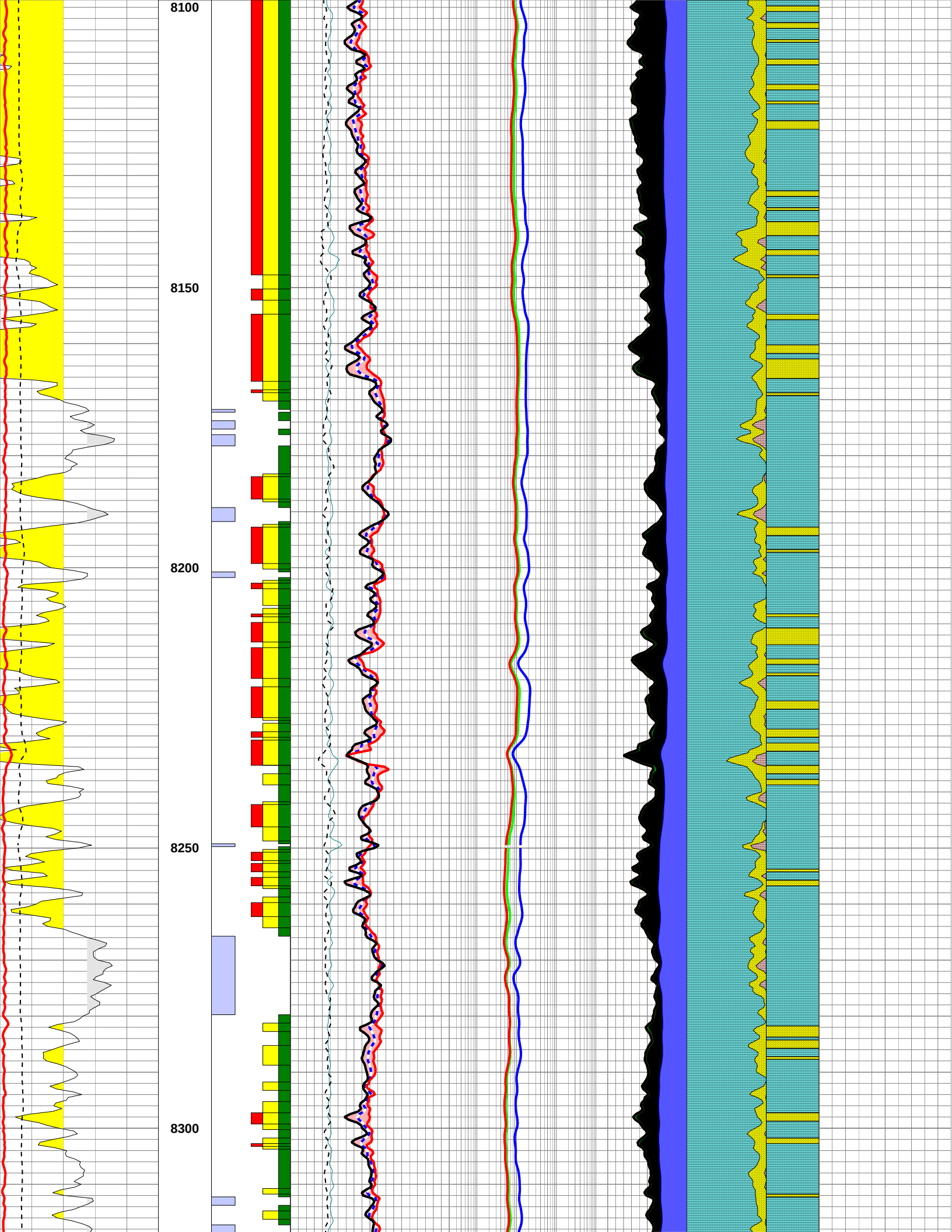

7900
7950
8000
8050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8150
8200
8250
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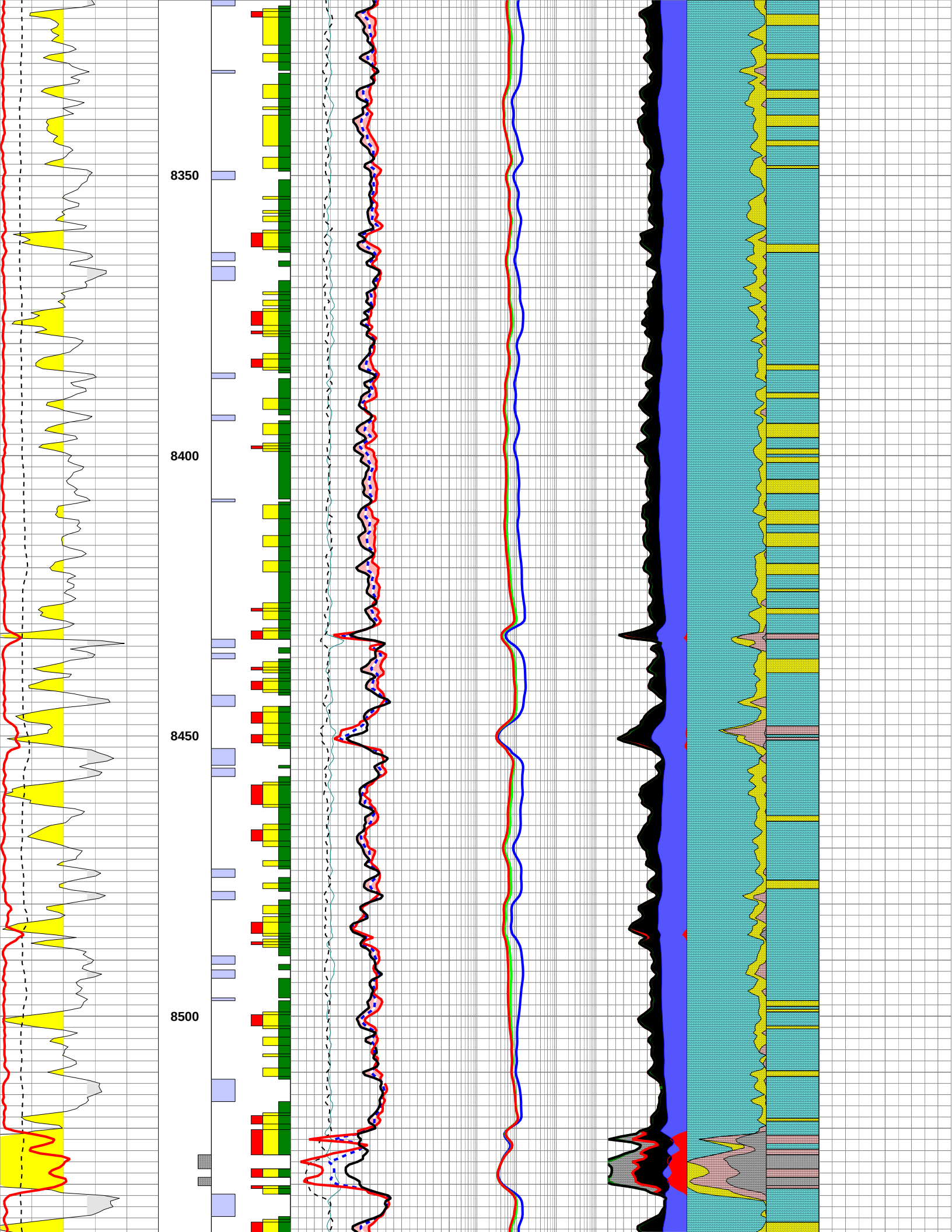
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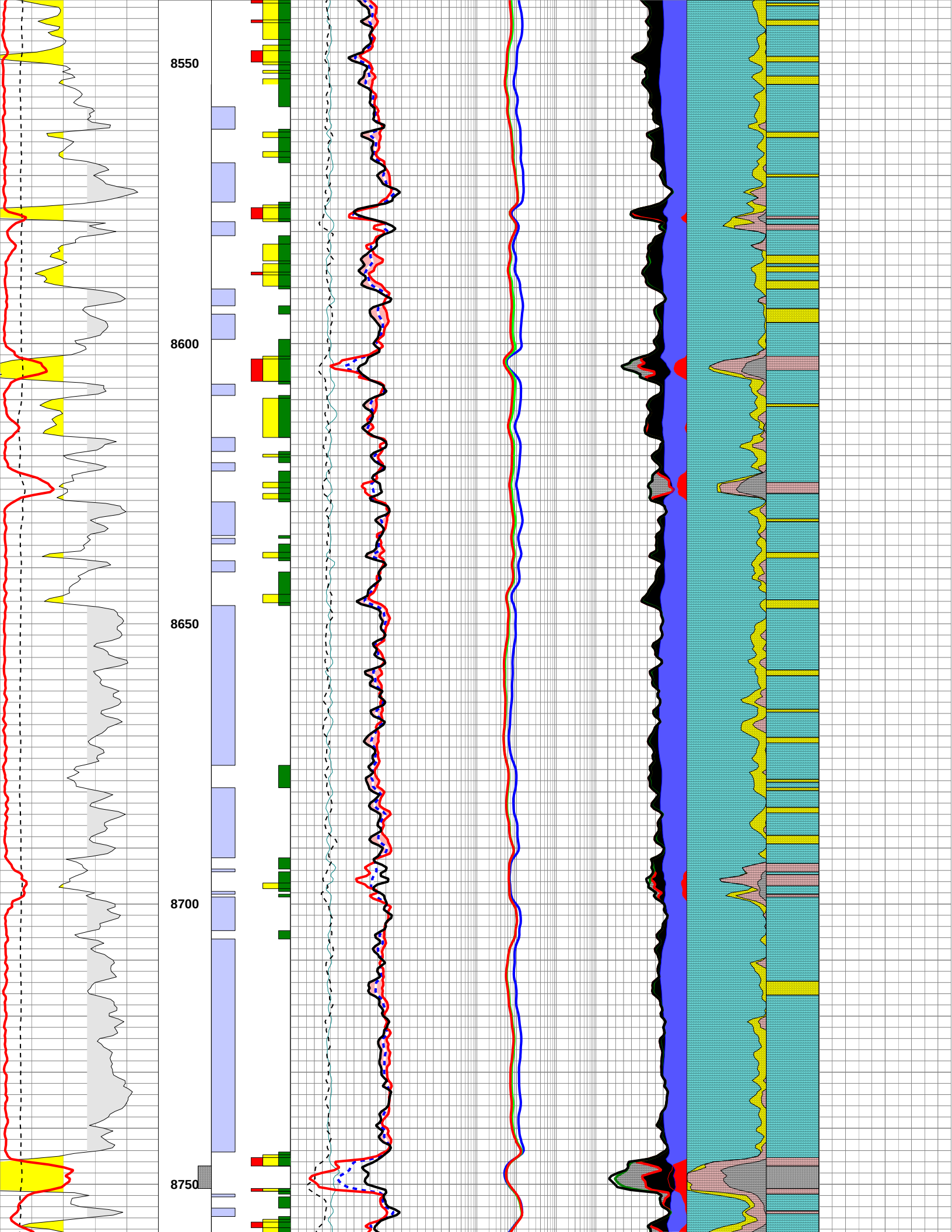
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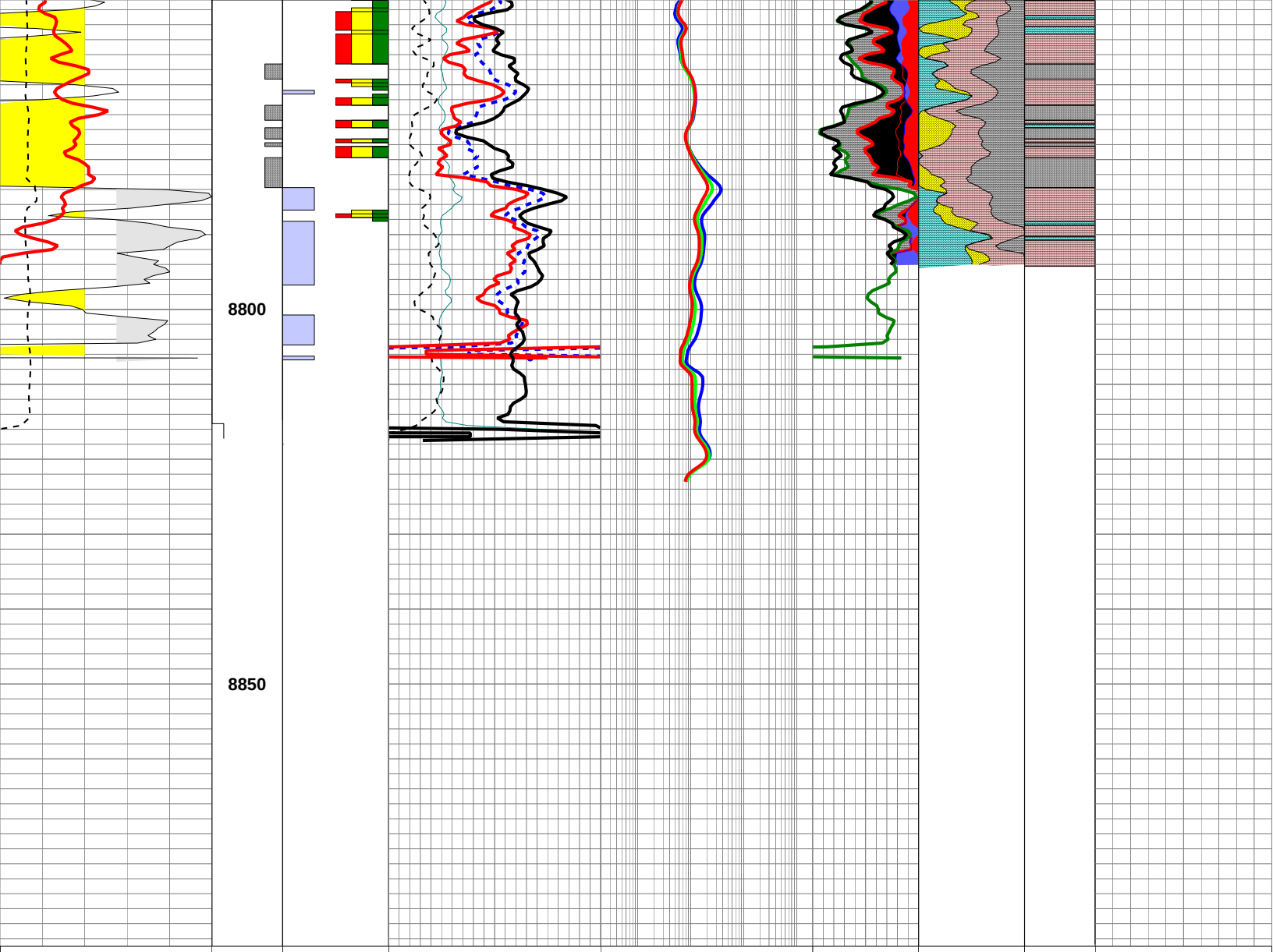


| Correlation | Depth | RWA Flags | Open-Hole Porosity | Open-Hole Resistivity | Pore Space | Lithology | INT-LITH | Mudlog Data |
|---|---|---|---|---|---|---|---|---|
| CGR(N/A) | MD | >=.075 | PHID | ResD(90IN_2FT_R) | PHIT | Sandstone | Sandstone | C1(N/A) |
| 0 150 | | | 0.3 -0.1 | 0.2 OHM-M 2000.000 | 0.2 0 | | | 0.0 250 |
| GR | BHF | >=.06 | PHIN | ResM(60IN_2FT_R) | PHIA | Limestone | Limestone | C2(N/A) |
| 0 GAPI 150 | | | 0.3 -0.1 | 0.2 OHM-M 2000.000 | 0.20 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 -0.1 | 0.2 OHM-M 2000.000 | 0.2 0 | | | 0.0 250 |
| 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 | | | | | lk Volume Wa | | | |
| 0.1 0.0 | | | | | | | | |
| RWA<.045 | | | | | Clay Water | | | |
| RWA>=.06 | | | | | Bound Water | | | |