



Triple Combo
4-Mineral/Dual Water
NMR
Core Data

API WELL NO. 15097217650100

CLIENT
COMPANY
WELL
FIELD
COUNTY

SANDRIDGE EXPLORATION AND PRODUCTION LLC
MILLY 3020 1-19H
EXCEL
KIOWA

STATE
KANSAS

LOCATION :
TWP:
740FSL 1900FWL
740' FSL & 1980' FWL

- Range:
- Sec.
OTHER COMPUTATIONS
RW=0.03

PERMANENT DATUM GR ELEV. -999.25 ELEV K.B. 2227

LOG MEASURED FROM KB , ABOVE PERM DATUM D.F.

DRILLING MEASURED FROM KB G.L. 2209

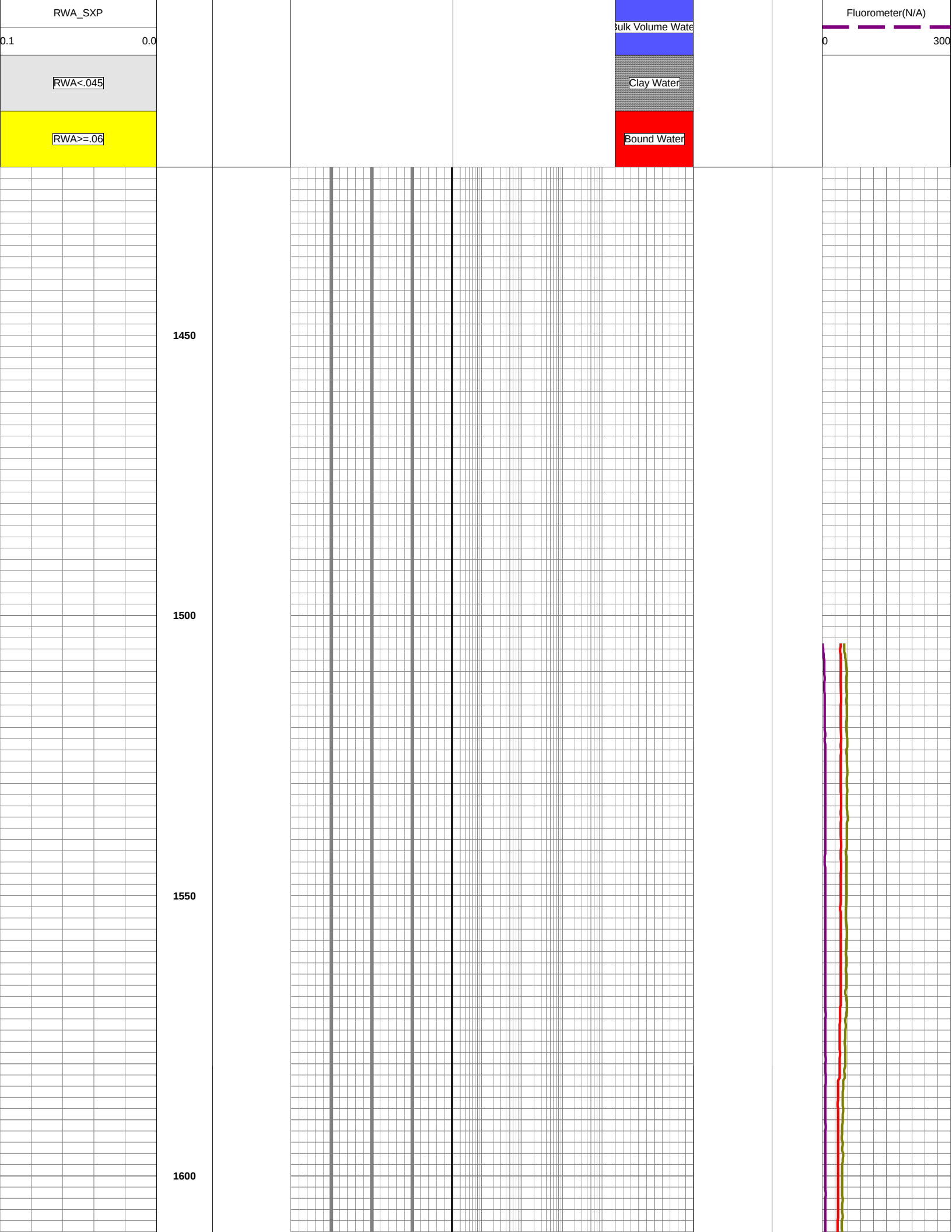
DATE	30 - DEC - 1899			
RUN NO.				
DEPTH - DRILLER				
DEPTH - LOGGER	8625			
BOTTOM LOGGED INTERVAL	8625			
TOP LOGGED INTERVAL	5065			
CASING - DRILLER				
CASING - LOGGER				
BIT SIZE				
TYPE FLUID IN HOLE				
CASING SIZE	CASING WEIGHT			
DENSITY	VISCOSITY			
PH	FLUID LOSS			
SOURCE OF SAMPLE				
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				

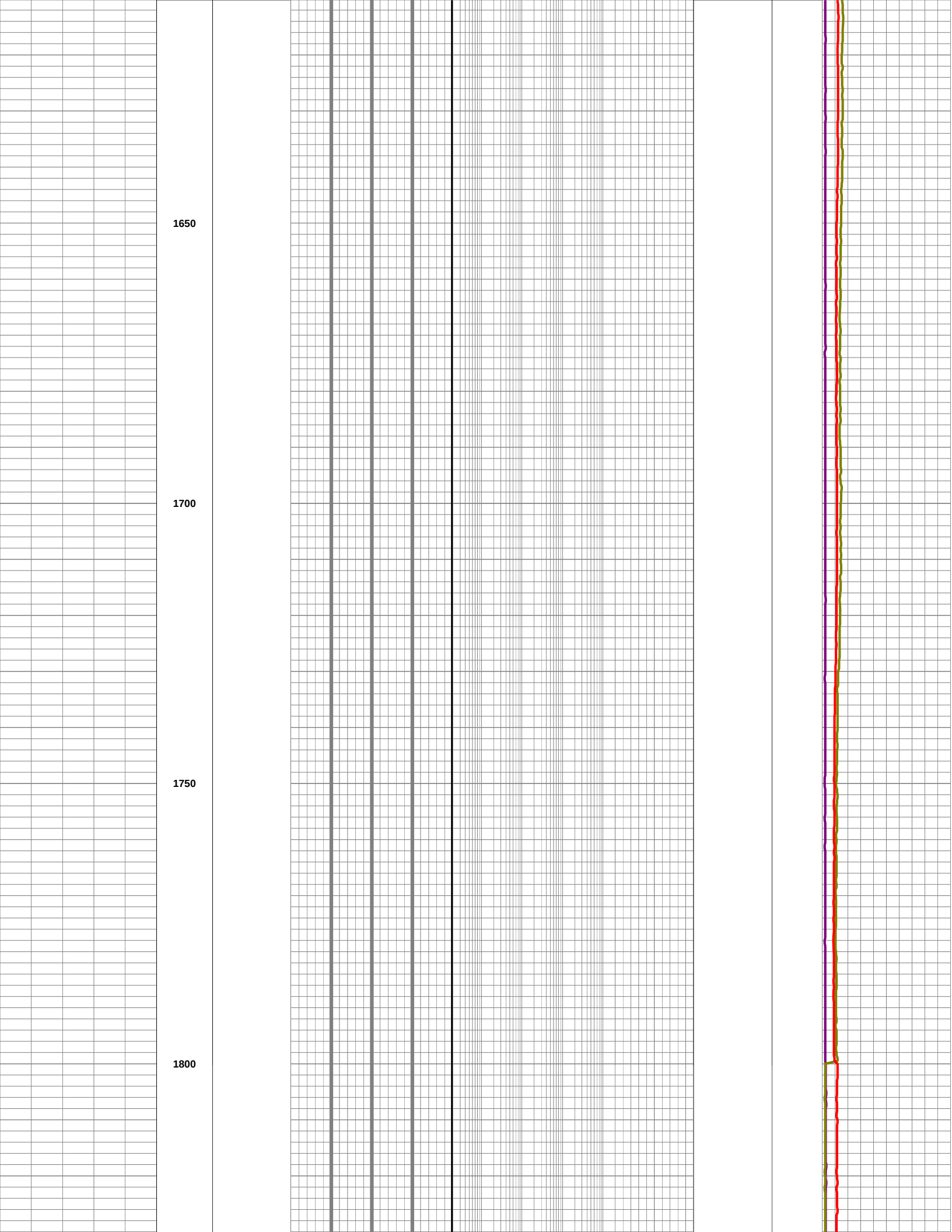
FOLD HERE

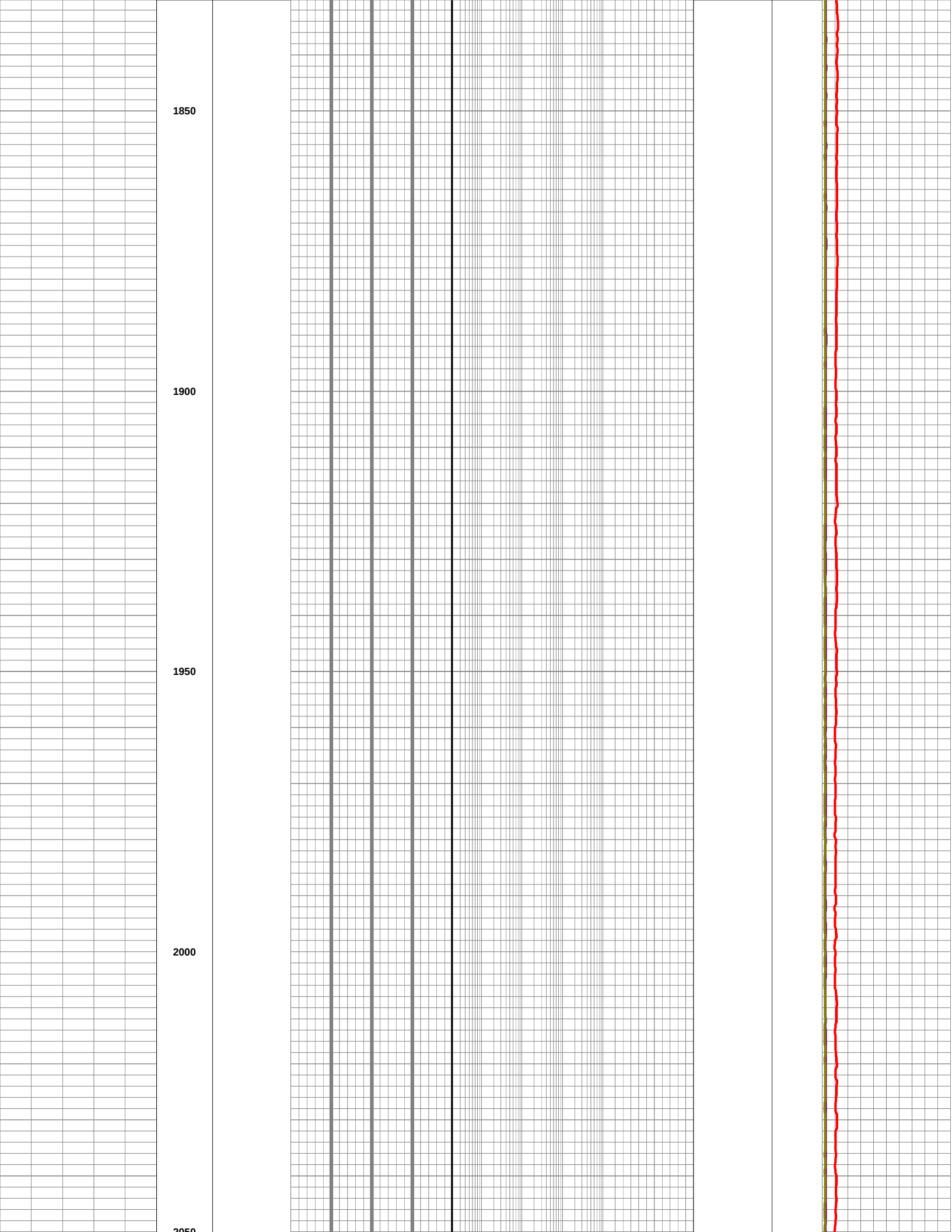
Interpretations are opinions based upon inferences from electrical or other measurements and algorithms, empirical relationships, and assumptions which are not infallible and with respect to which log analysts may differ. Accordingly, <Company Name> cannot and does not guarantee the accuracy or correctness 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.

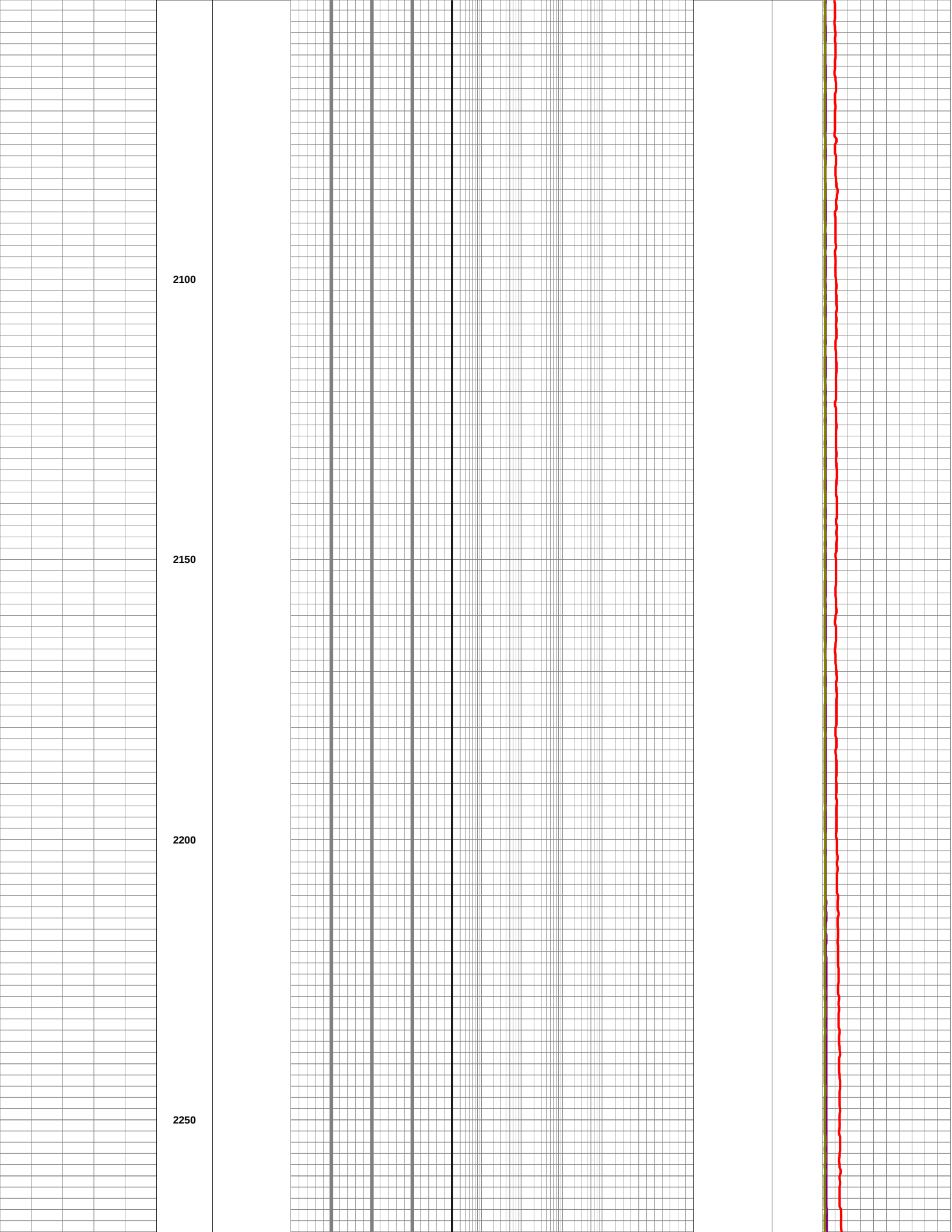
COMPUTATION	LOGS USED: Triple Combo		PROGRAM: PRIZM
	CENTER: OKC	LOG ANALYST: Jack Austin	DATE: 7/18/2012
	REFERENCE NUMBER: []		

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
150			0.3	-0.10.2	OHM-M 2000.0000.2	0	0.0	units 250
GR	BHF	>=.06	PHIN	ResM(60IN_2FT_R)	PHIA	Limestone	Limestone	C2
GAPI			0.3	-0.10.2	OHM-M 2000.0000.20	0	0.0	units 250
GRPO(N/A)	Vshl >.4	>=.045	SXP	ResS(20IN_2FT_R)	BVW	Dolomite	Dolomite	C3
150			0.3	-0.10.2	OHM-M 2000.0000.2	0	0.0	units 250
GRTH(N/A)		<.045	PEF		PHIE	Clay	Shale	C4(N/A)
150			0.0		0.20	0	0.0	250
GRUR(N/A)		Tight Pay	DRHO		BVWb			OIL_CURVE
150			-0.25	G/CC 0.75	0.2	0	0.0	1
CALI(DCAL)			Crossover		Hydrocarbon			ROP2
IN 15							150	









2100

2150

2200

2250

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

5500

5600

5700

5800

5900

6000

6100

6200

6300

6400

6500

6600

6700

6800

6900

7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

9400

9500

9600

9700

9800

9900

10000

10100

10200

10300

10400

10500

10600

10700

10800

10900

11000

11100

11200

11300

11400

11500

11600

11700

11800

11900

12000

12100

12200

12300

12400

12500

12600

12700

12800

12900

13000

13100

13200

13300

13400

13500

13600

13700

13800

13900

14000

14100

14200

14300

14400

14500

14600

14700

14800

14900

15000

15100

15200

15300

15400

15500

15600

15700

15800

15900

16000

16100

16200

16300

16400

16500

16600

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

17700

17800

17900

18000

18100

18200

18300

18400

18500

18600

18700

18800

18900

19000

19100

19200

19300

19400

19500

19600

19700

19800

19900

20000

20100

20200

20300

20400

20500

20600

20700

20800

20900

21000

21100

21200

21300

21400

21500

21600

21700

21800

21900

22000

22100

22200

22300

22400

22500

22600

22700

22800

22900

23000

23100

23200

23300

23400

23500

23600

23700

23800

23900

24000

24100

24200

24300

24400

24500

24600

24700

24800

24900

25000

25100

25200

25300

25400

25500

25600

25700

25800

25900

26000

26100

26200

26300

26400

26500

26600

26700

26800

26900

27000

27100

27200

27300

27400

27500

27600

27700

27800

27900

28000

28100

28200

28300

28400

28500

28600

28700

28800

28900

29000

29100

29200

29300

29400

29500

29600

29700

29800

29900

30000

30100

30200

30300

30400

30500

30600

30700

30800

30900

31000

31100

31200

31300

31400

31500

31600

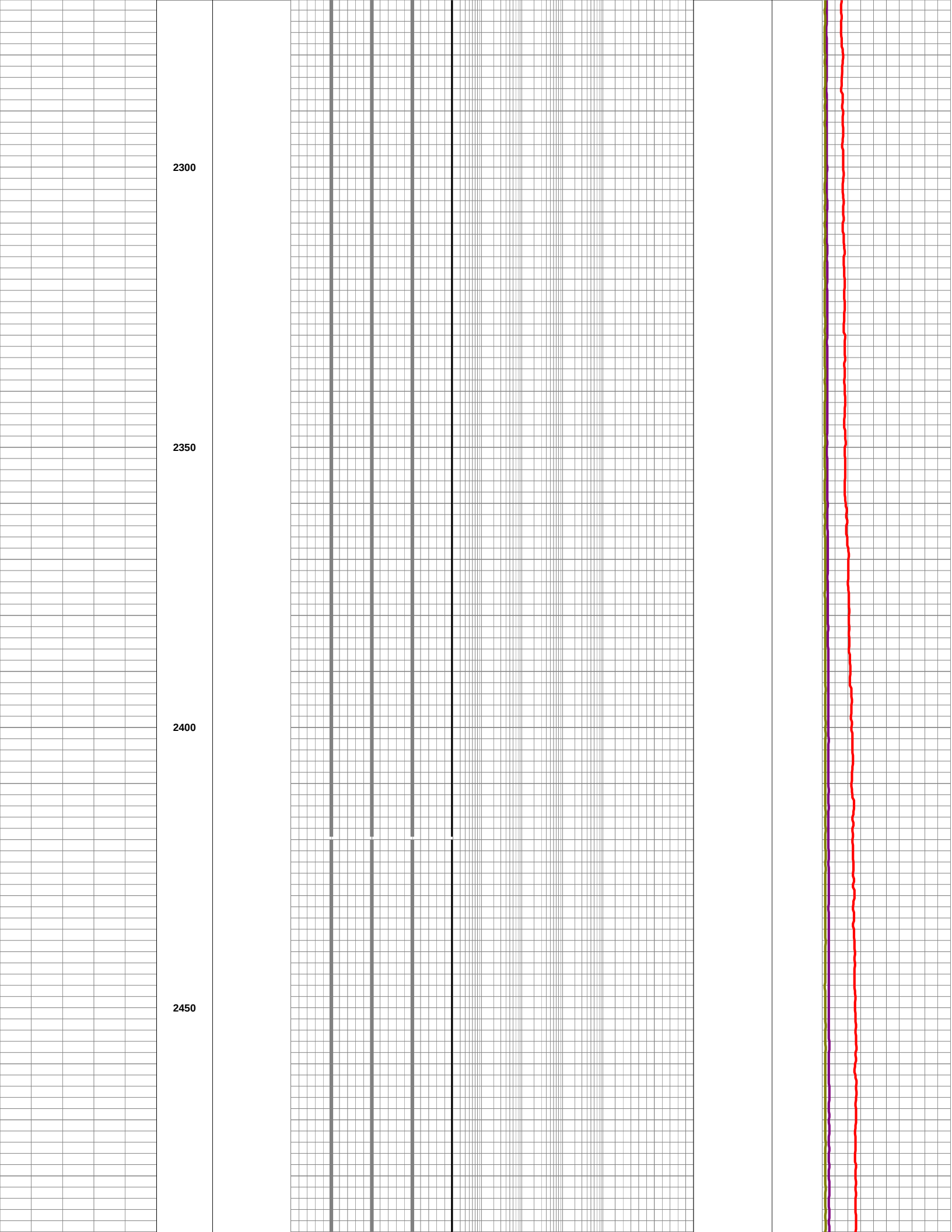
31700

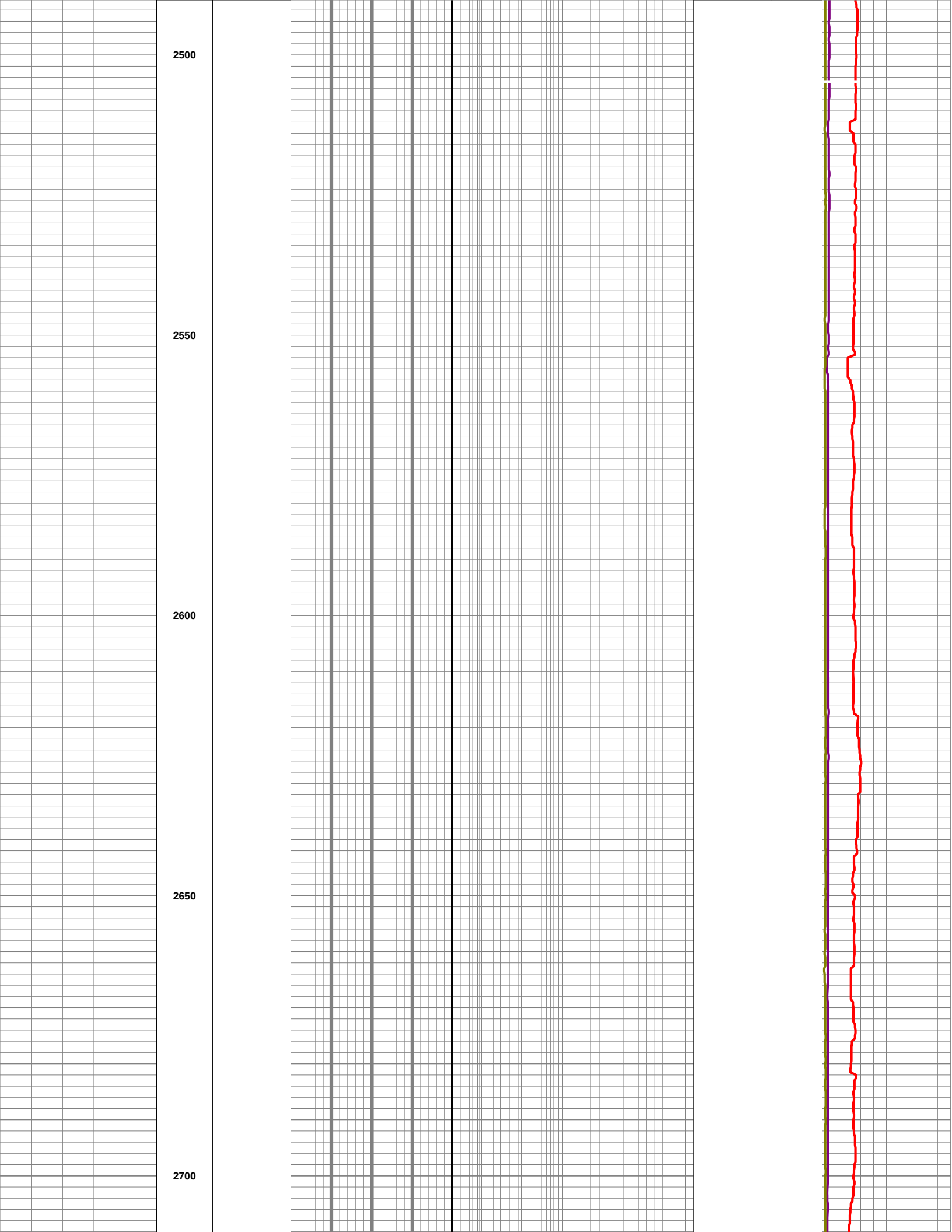
31800

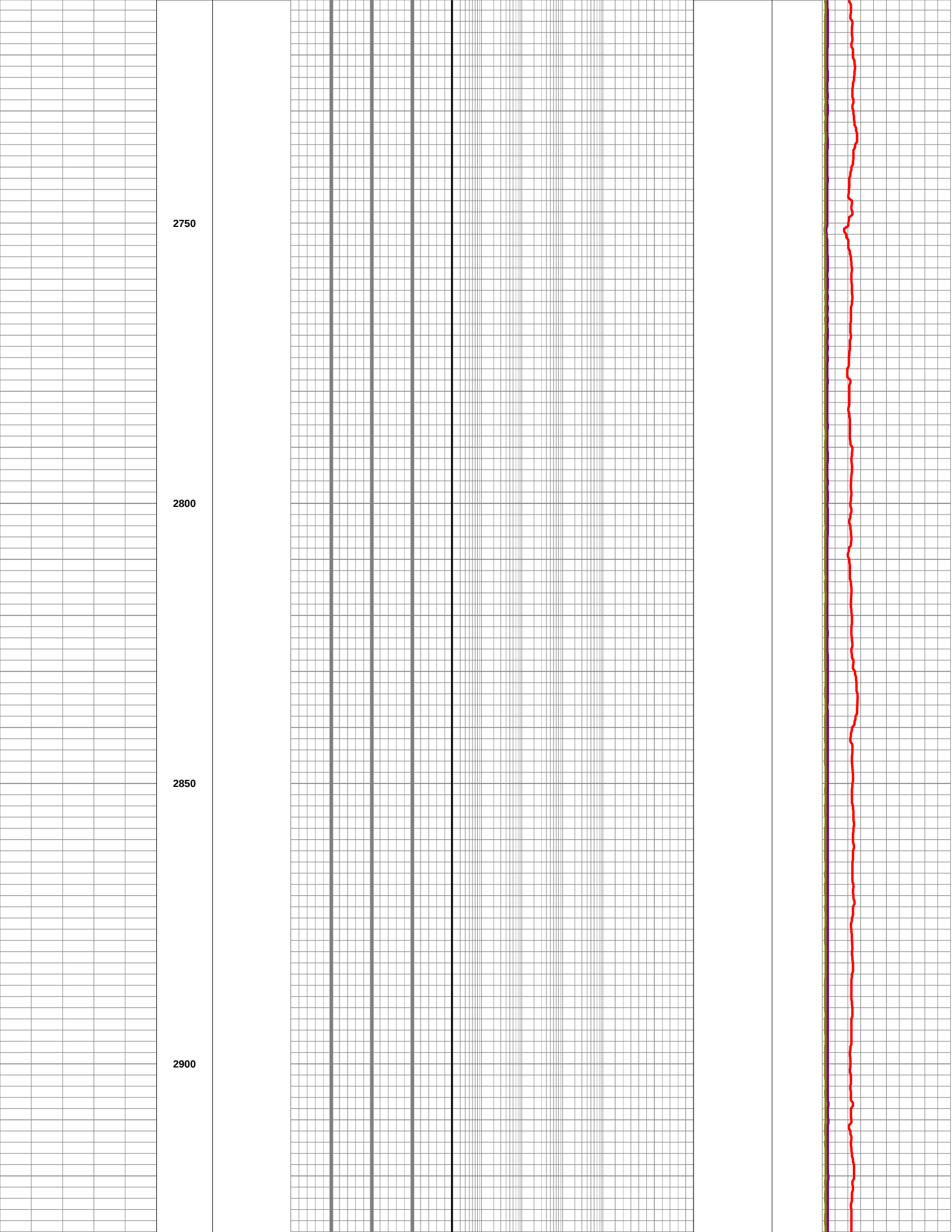
31900

32000

32100





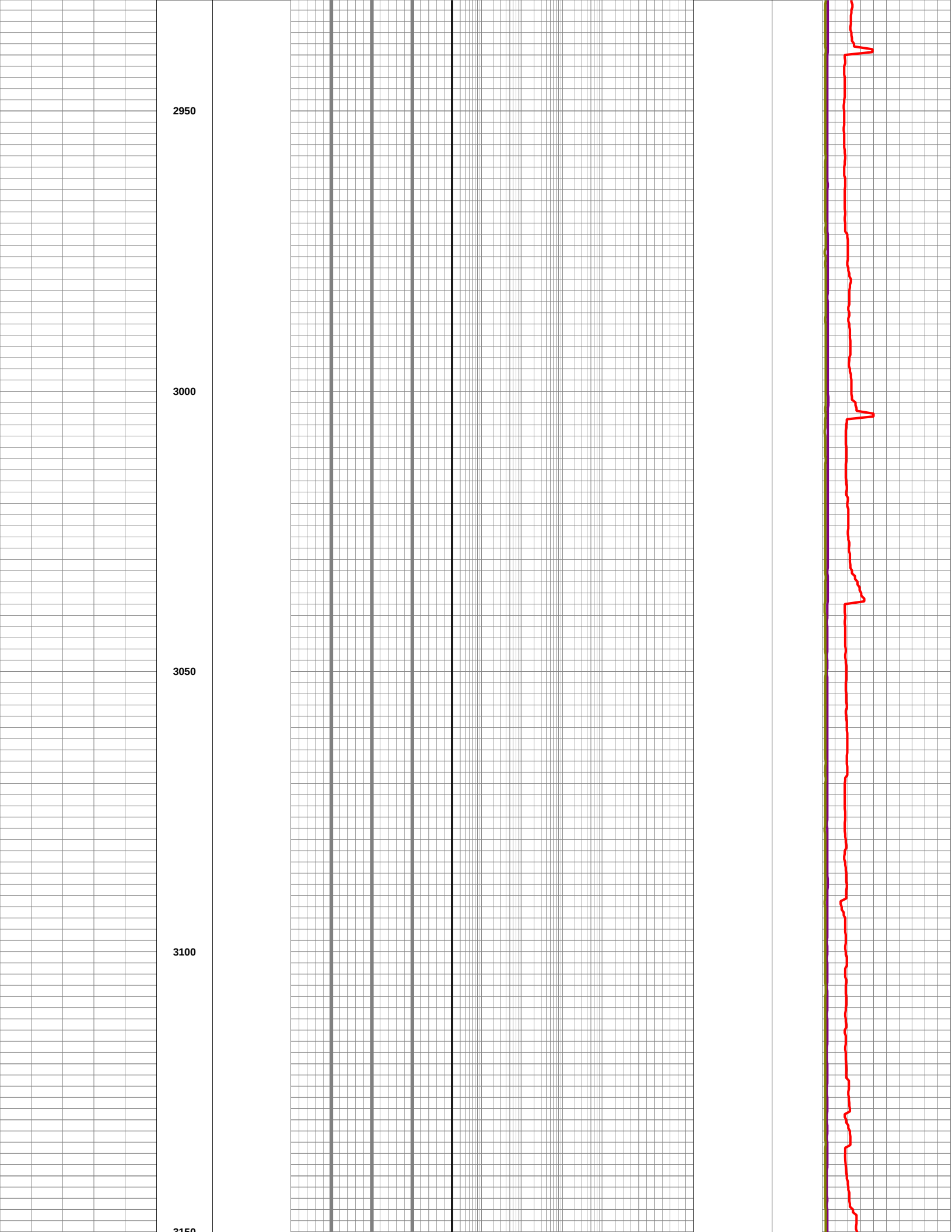


2750

2800

2850

2900



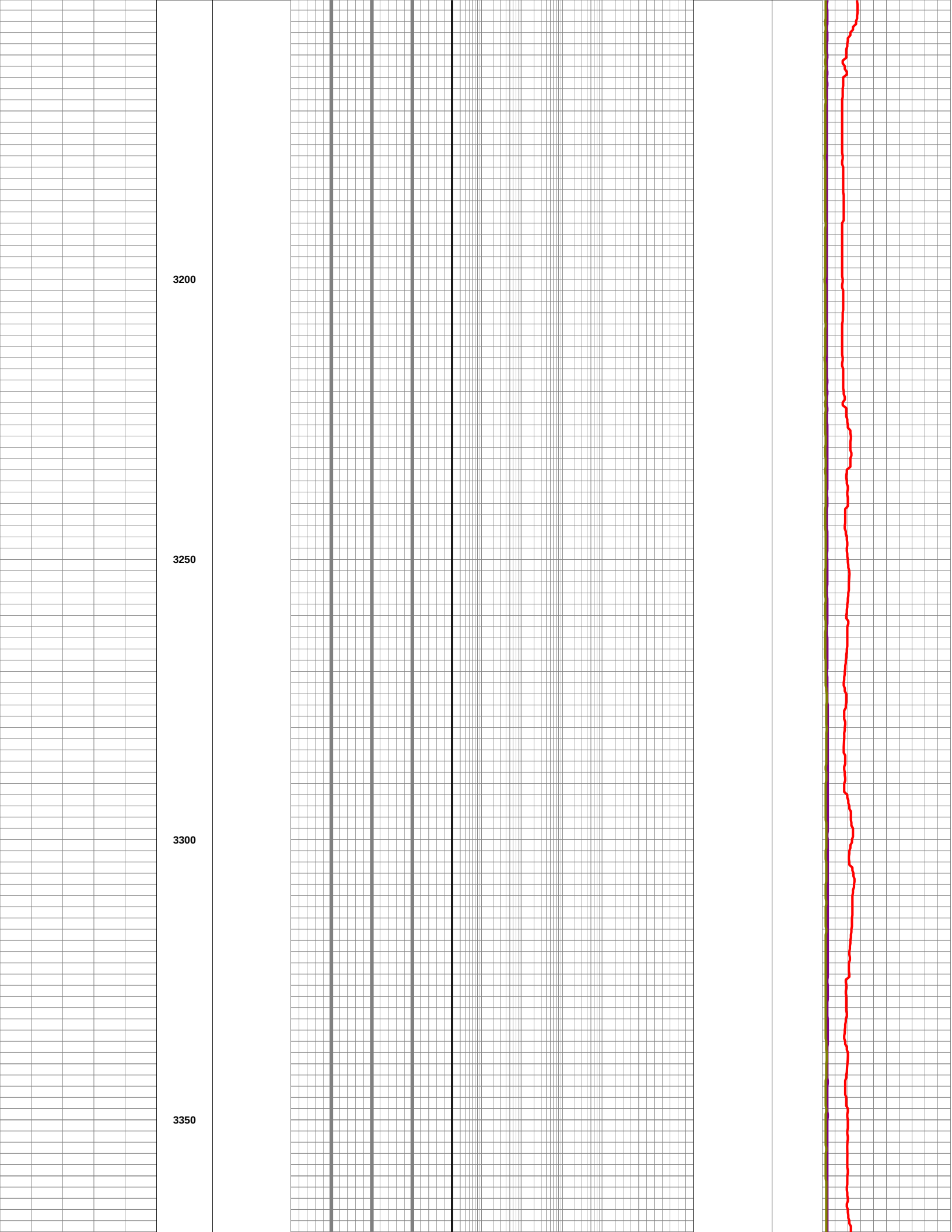
2950

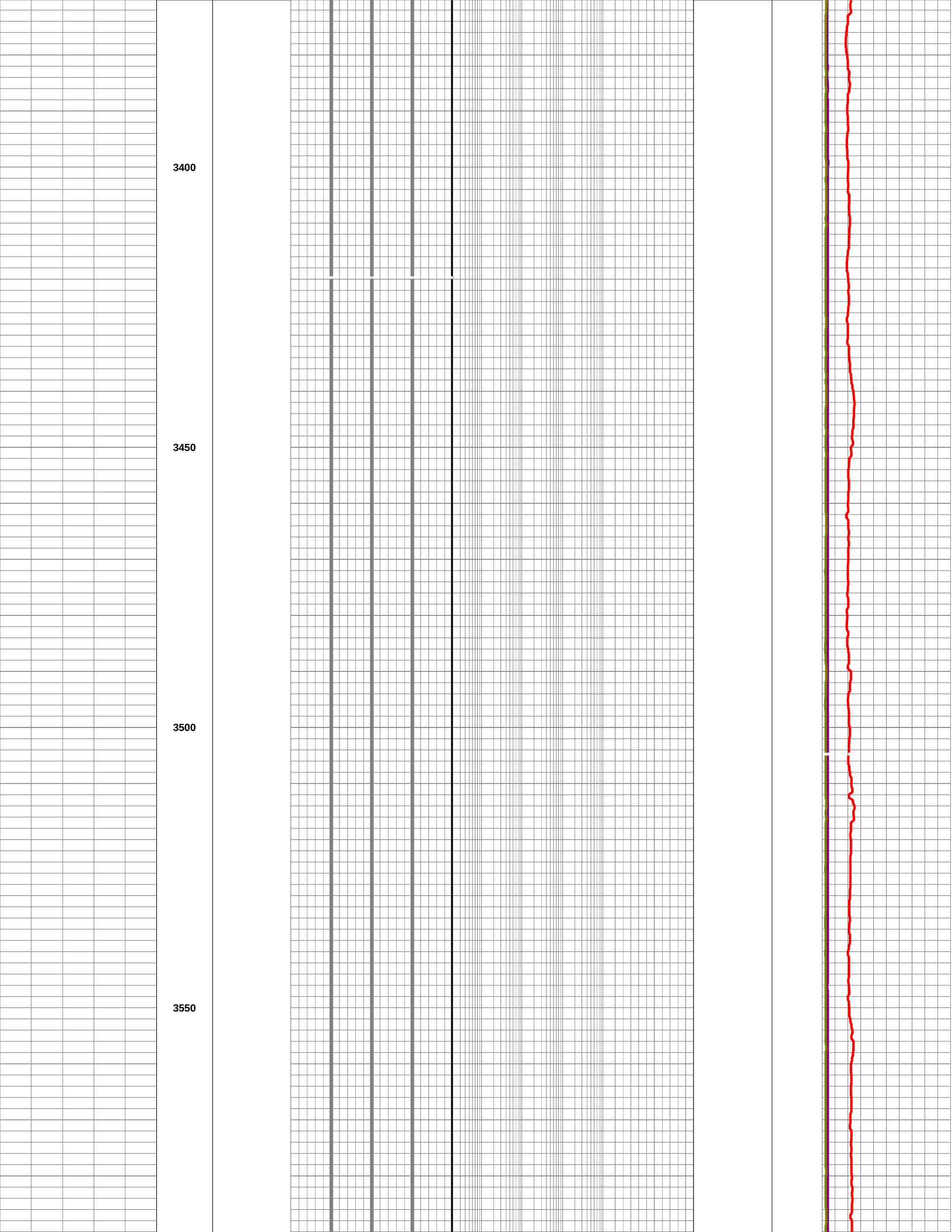
3000

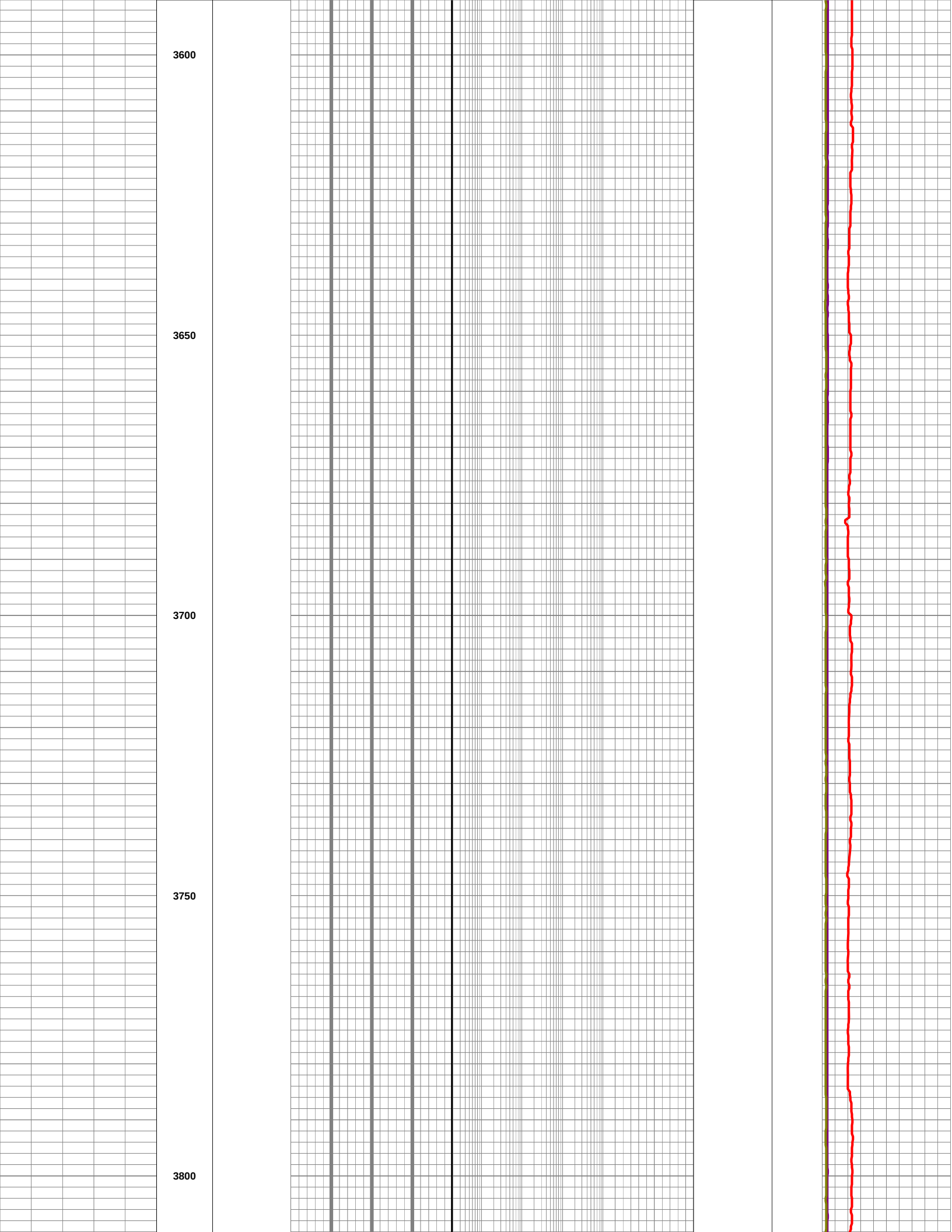
3050

3100

3150







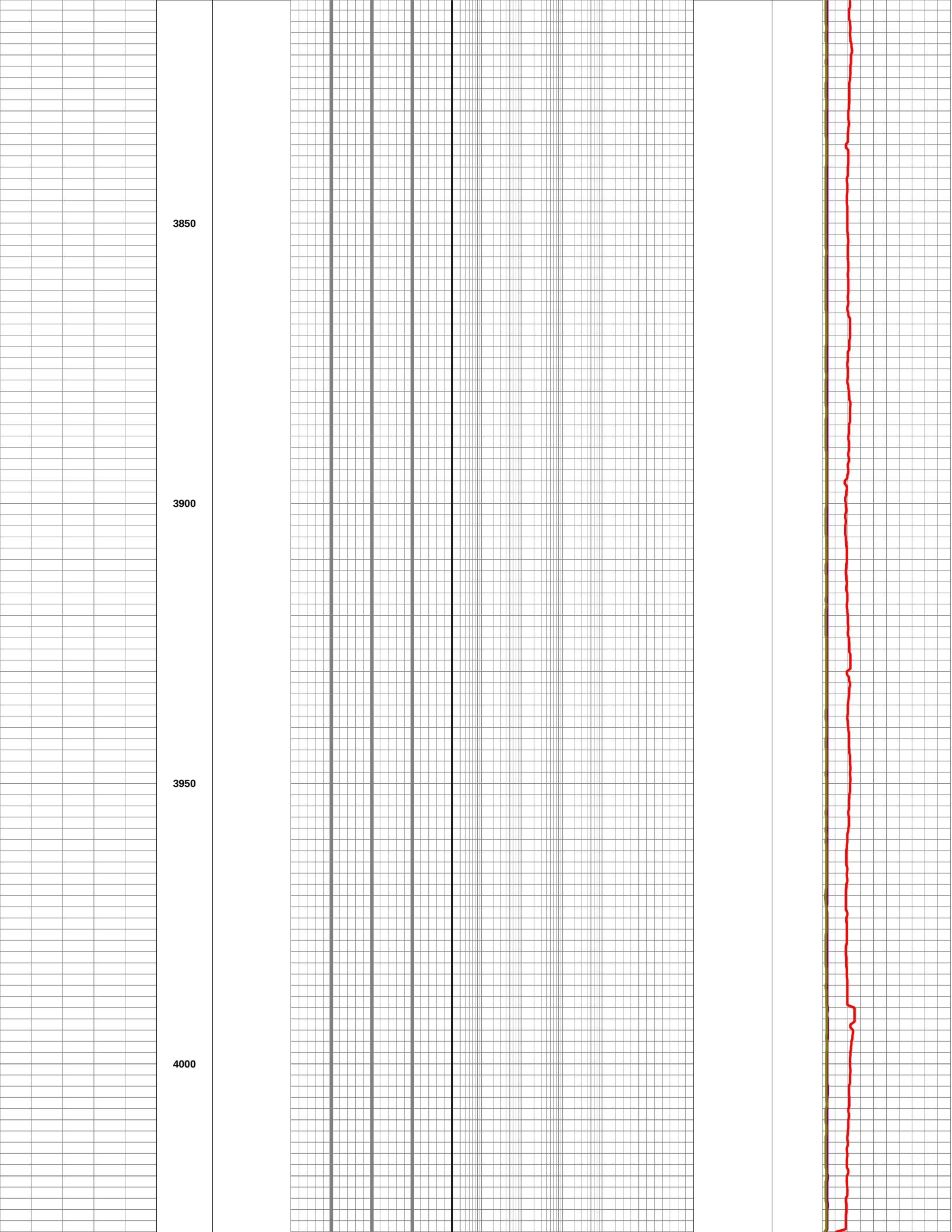
3600

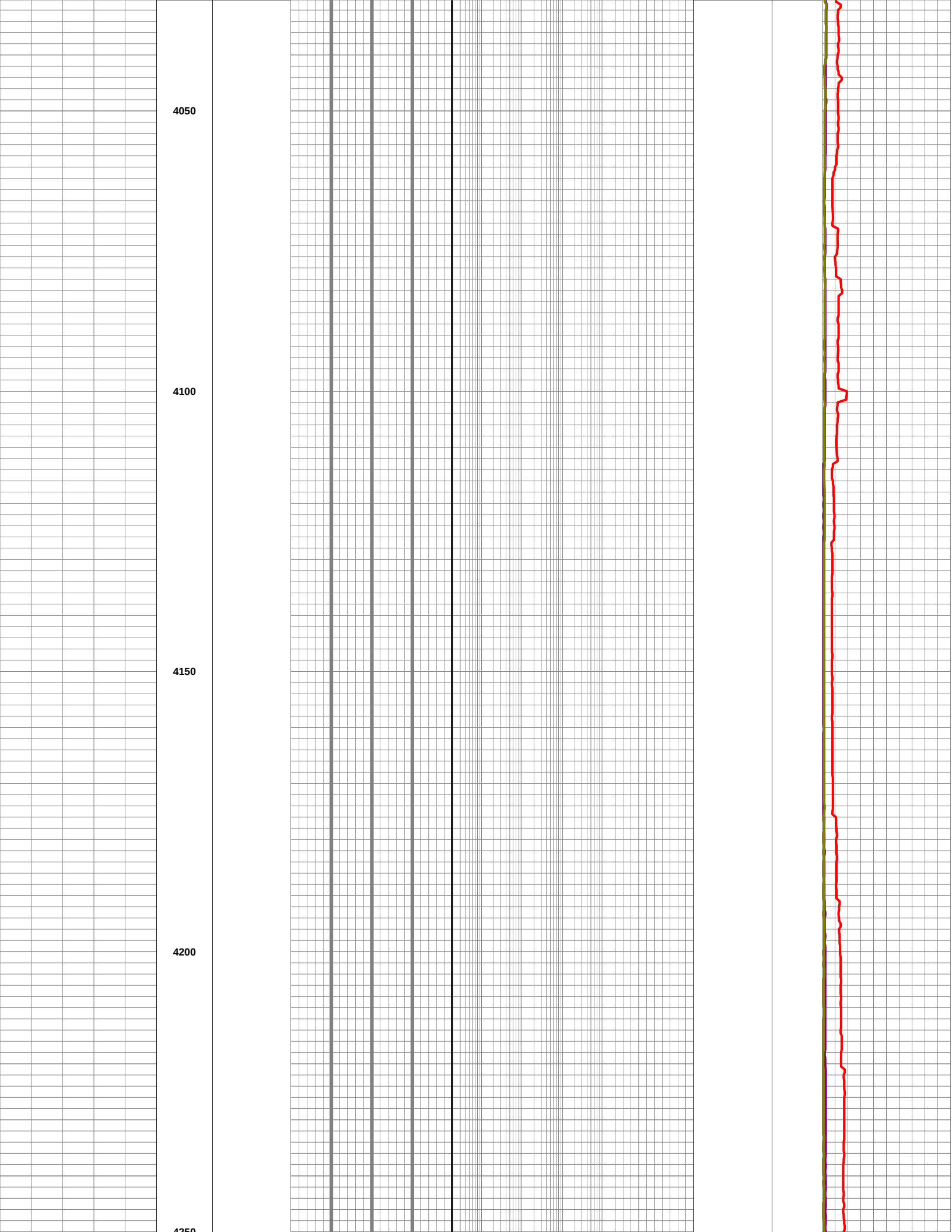
3650

3700

3750

3800





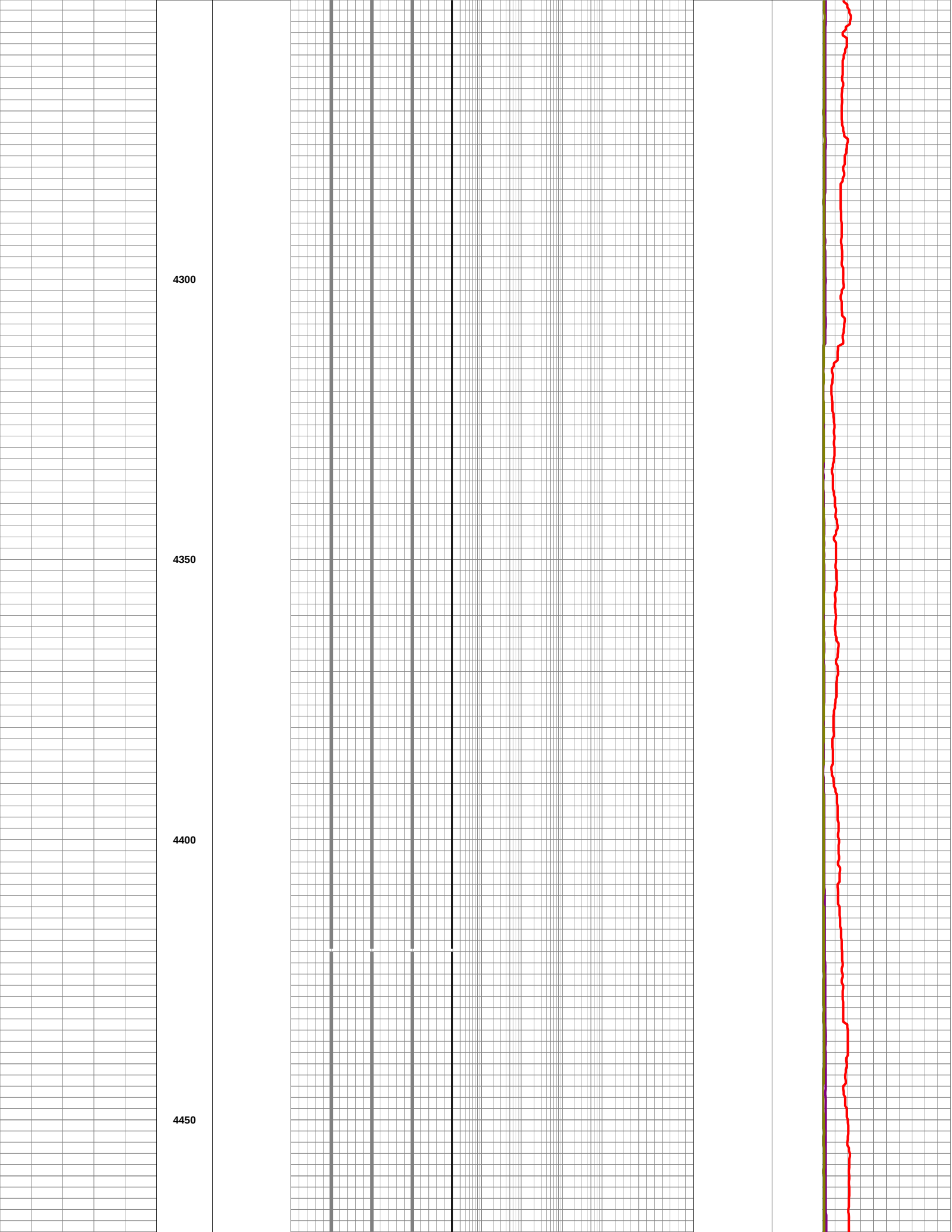
4050

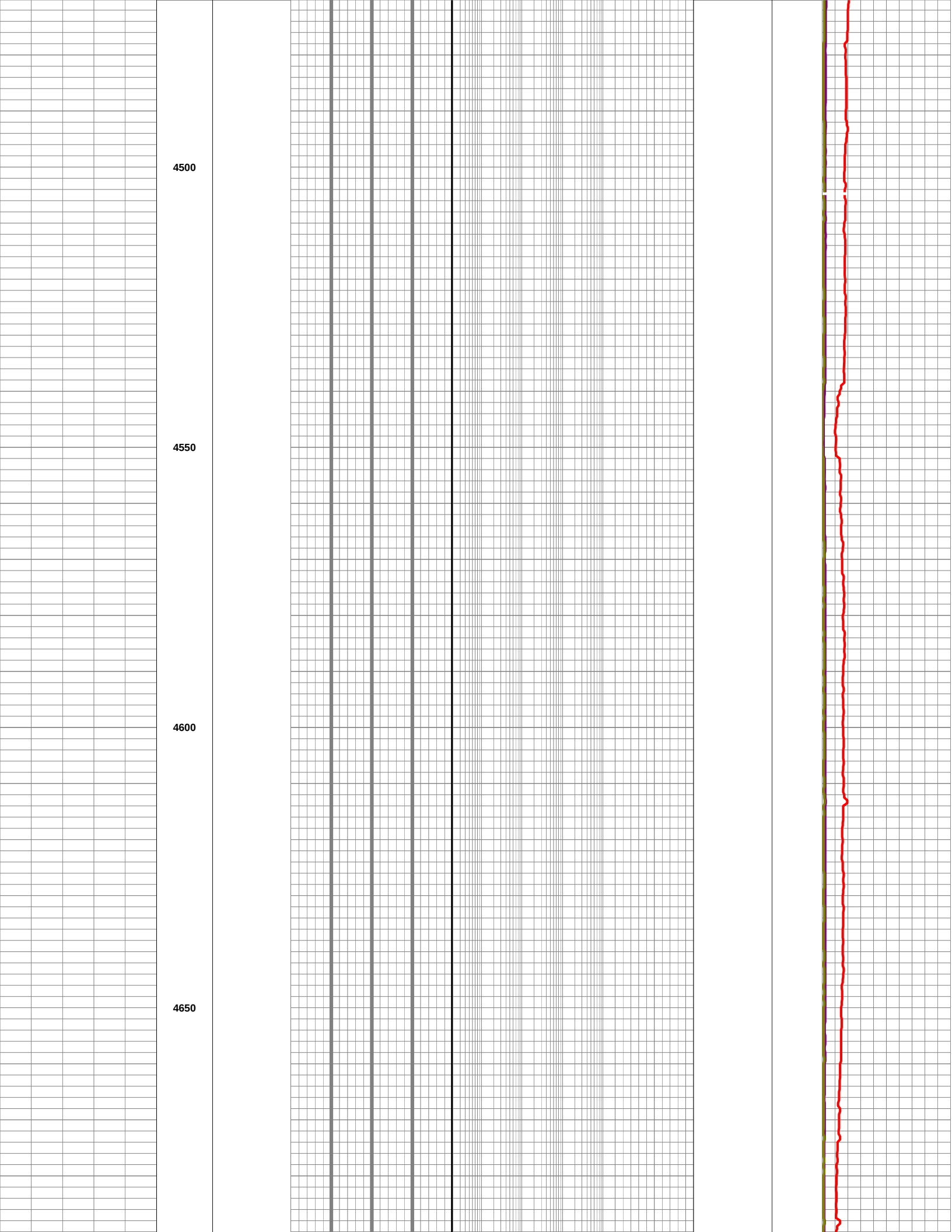
4100

4150

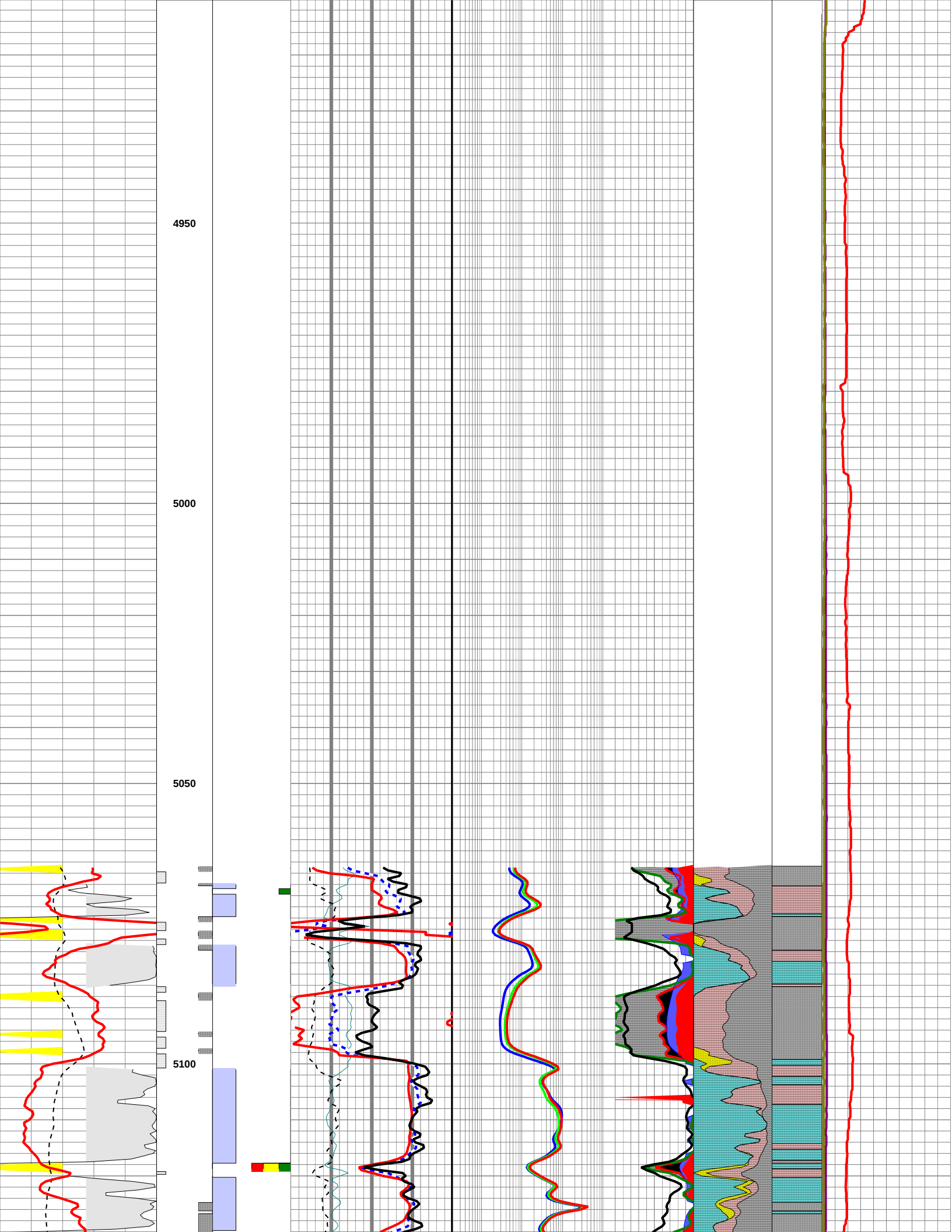
4200

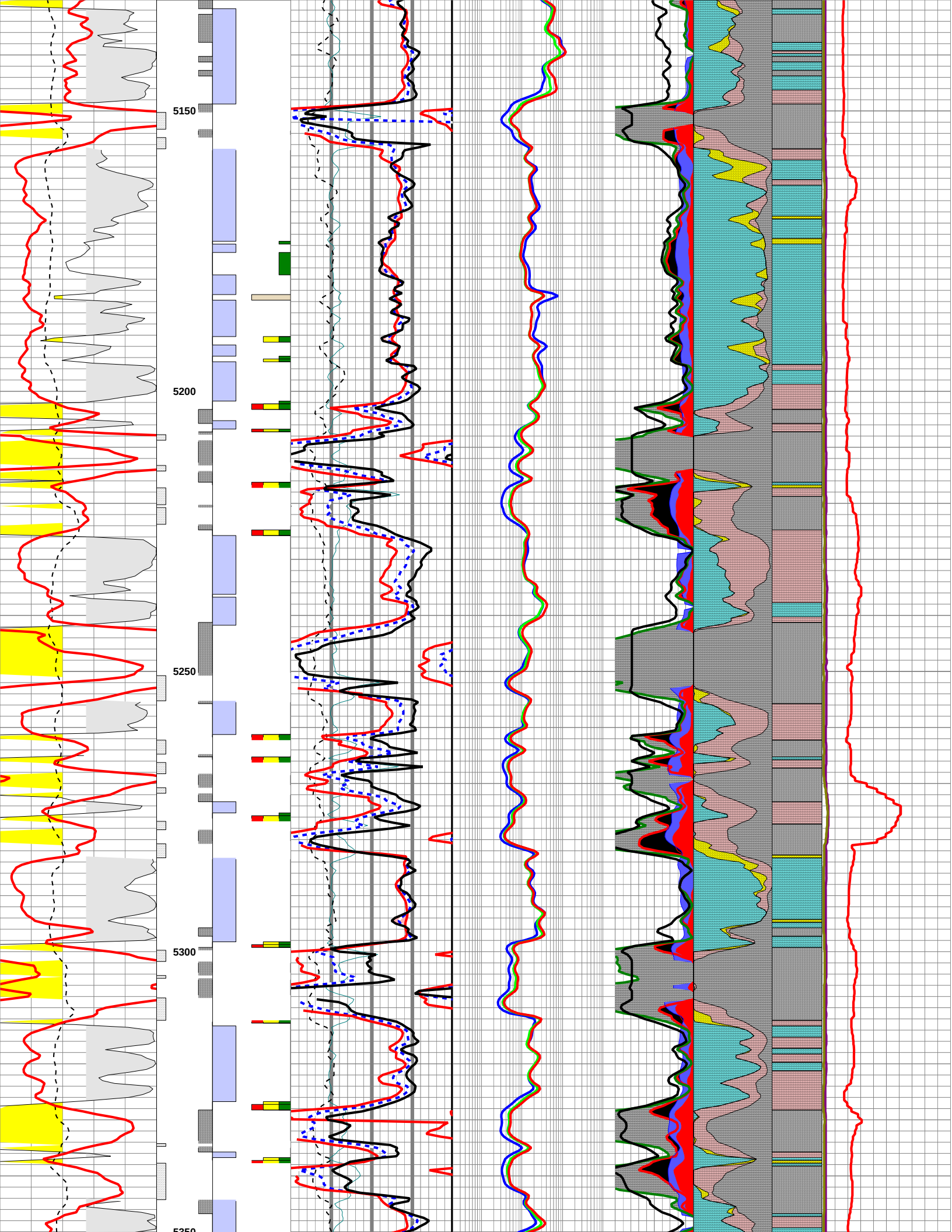
4250

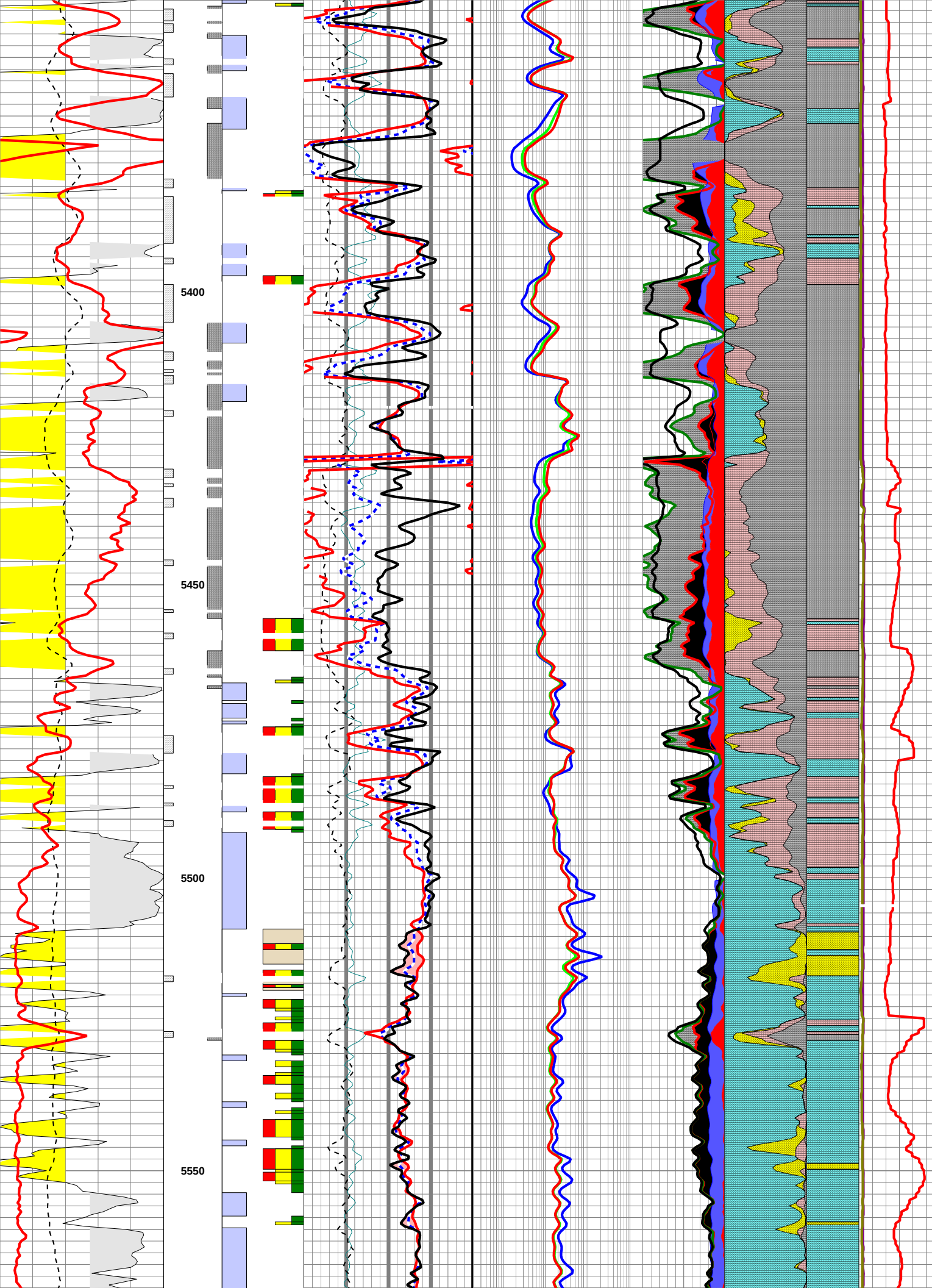


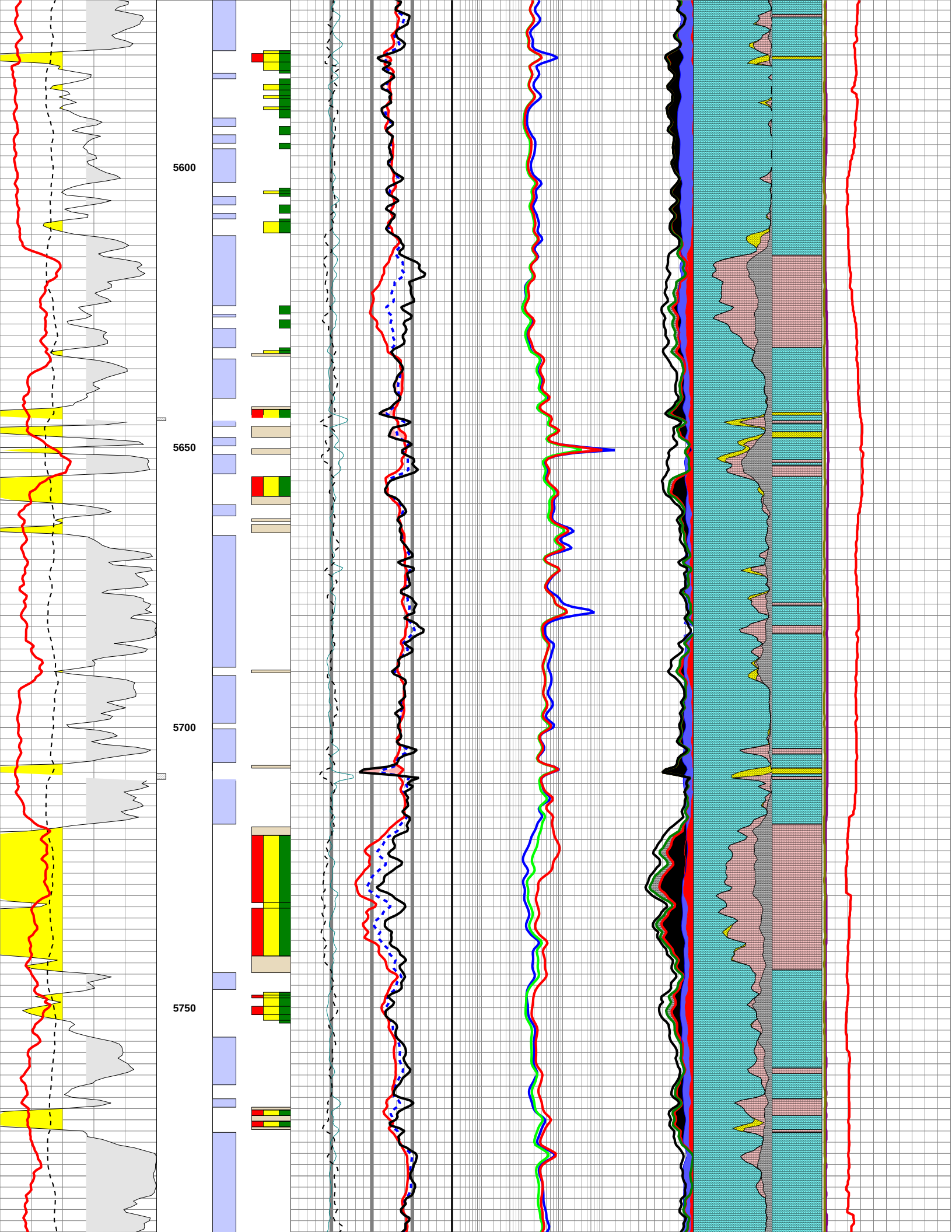


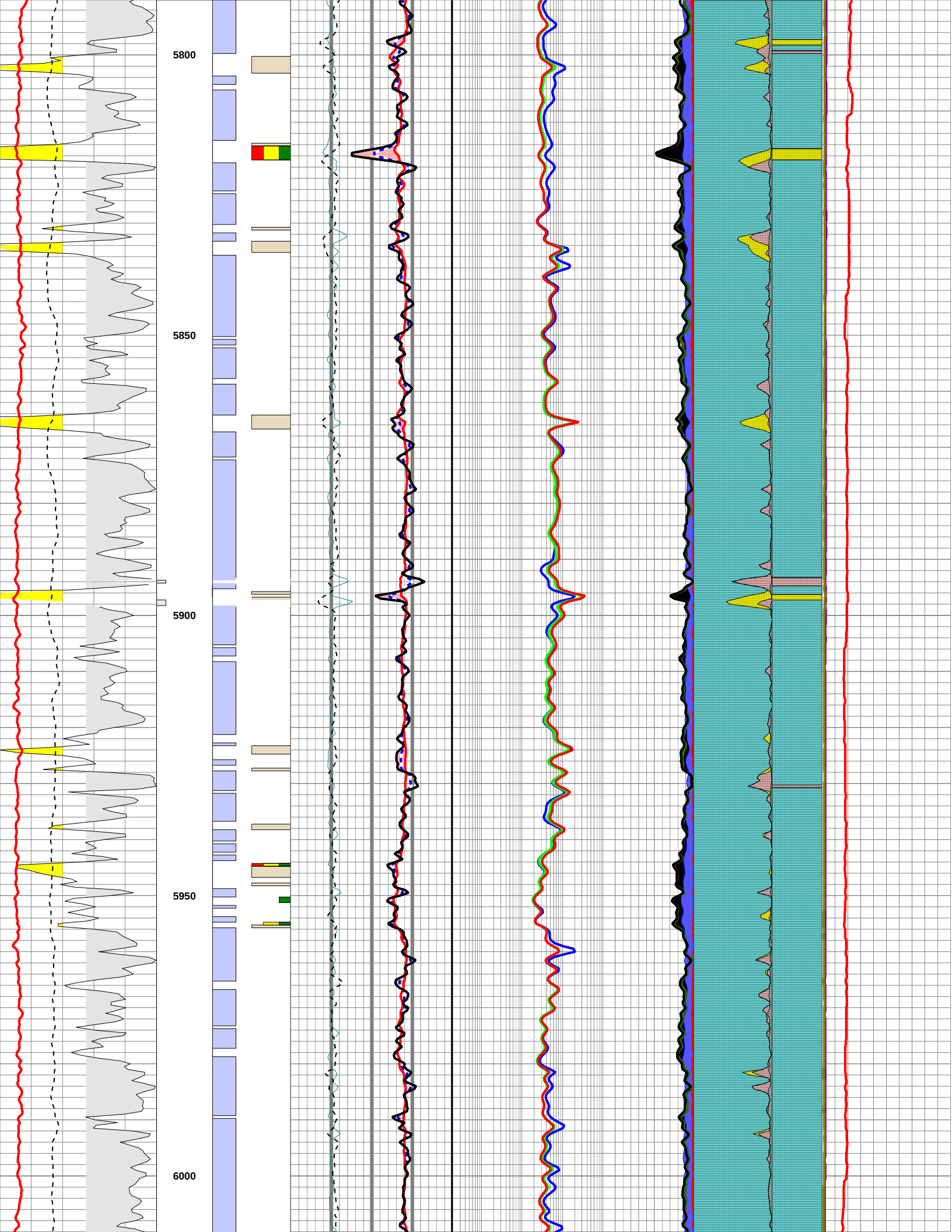


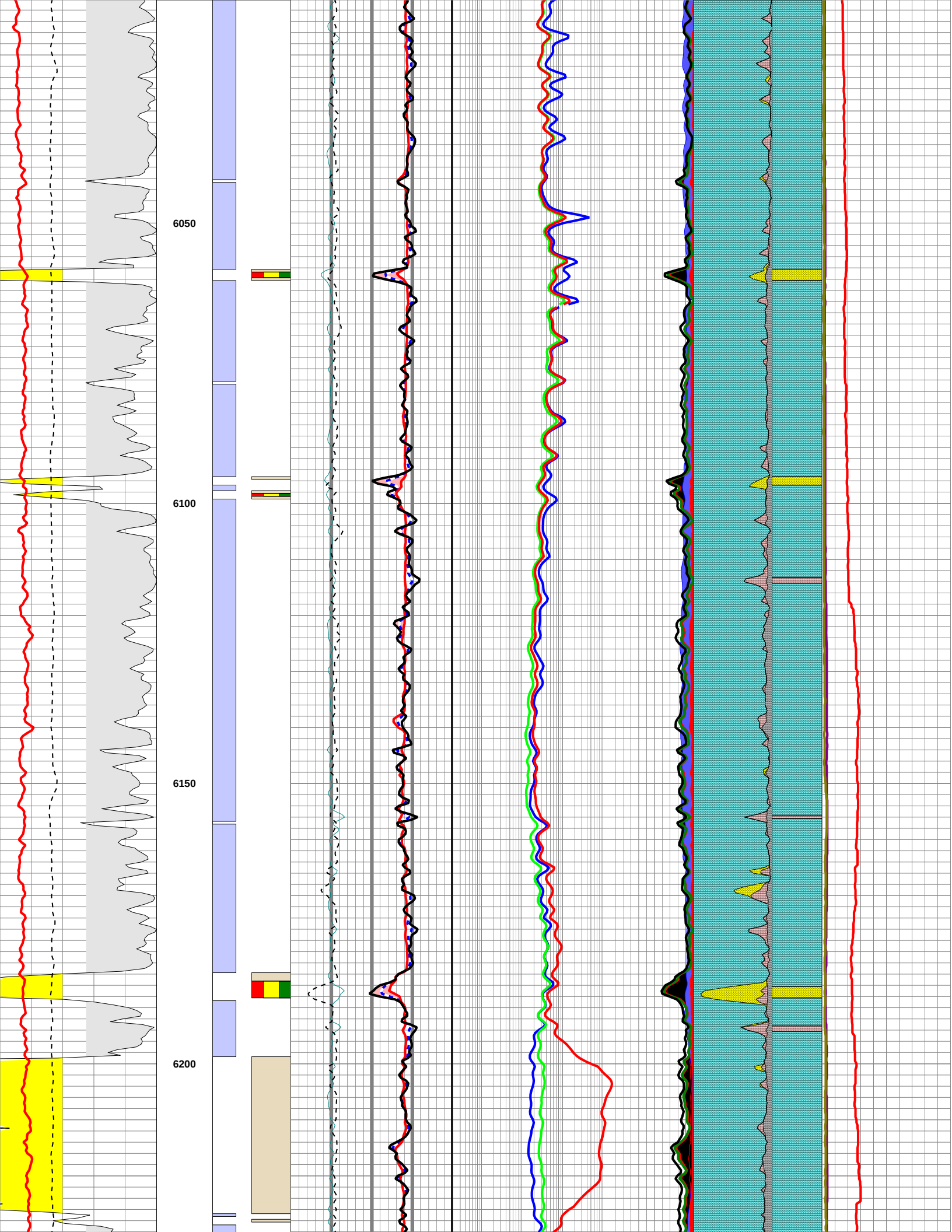


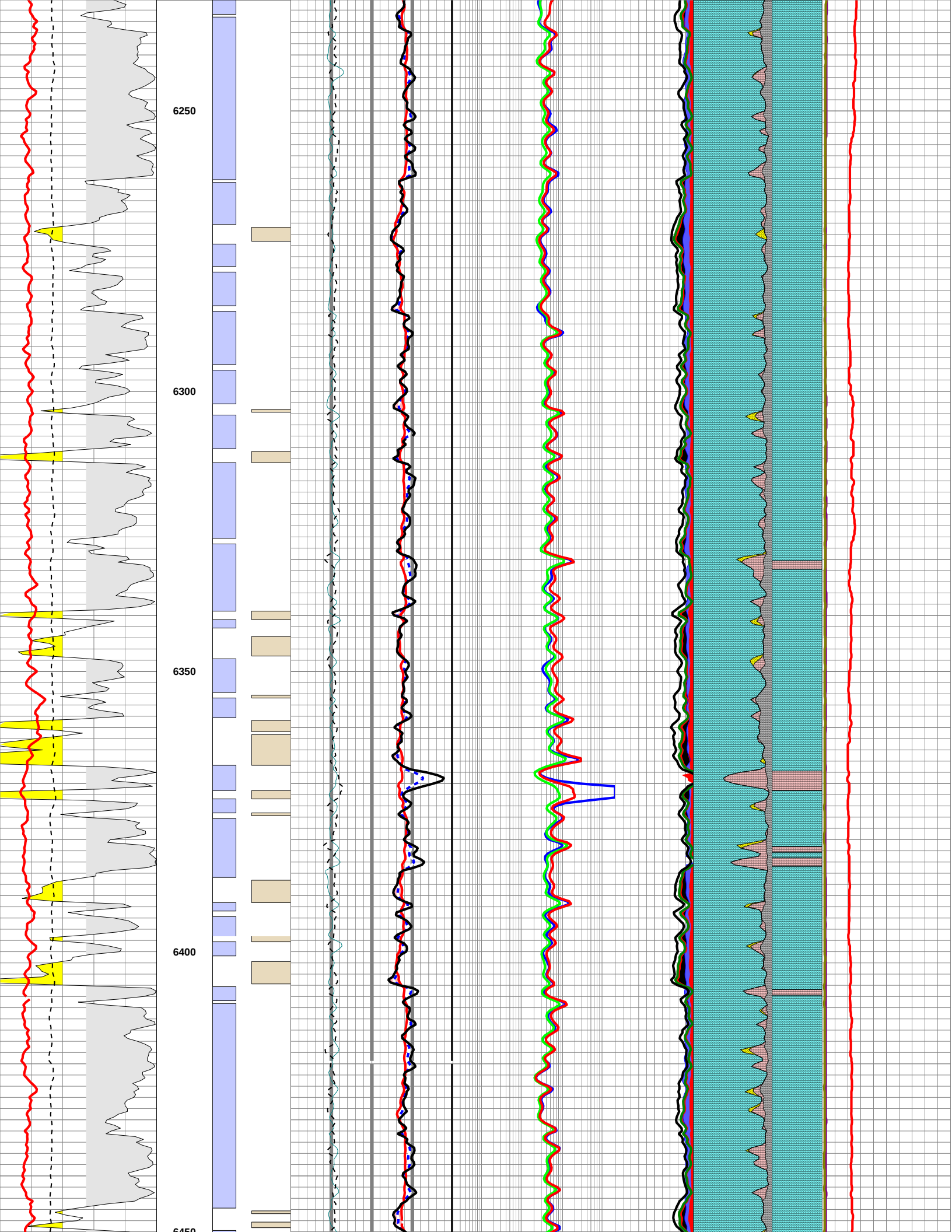


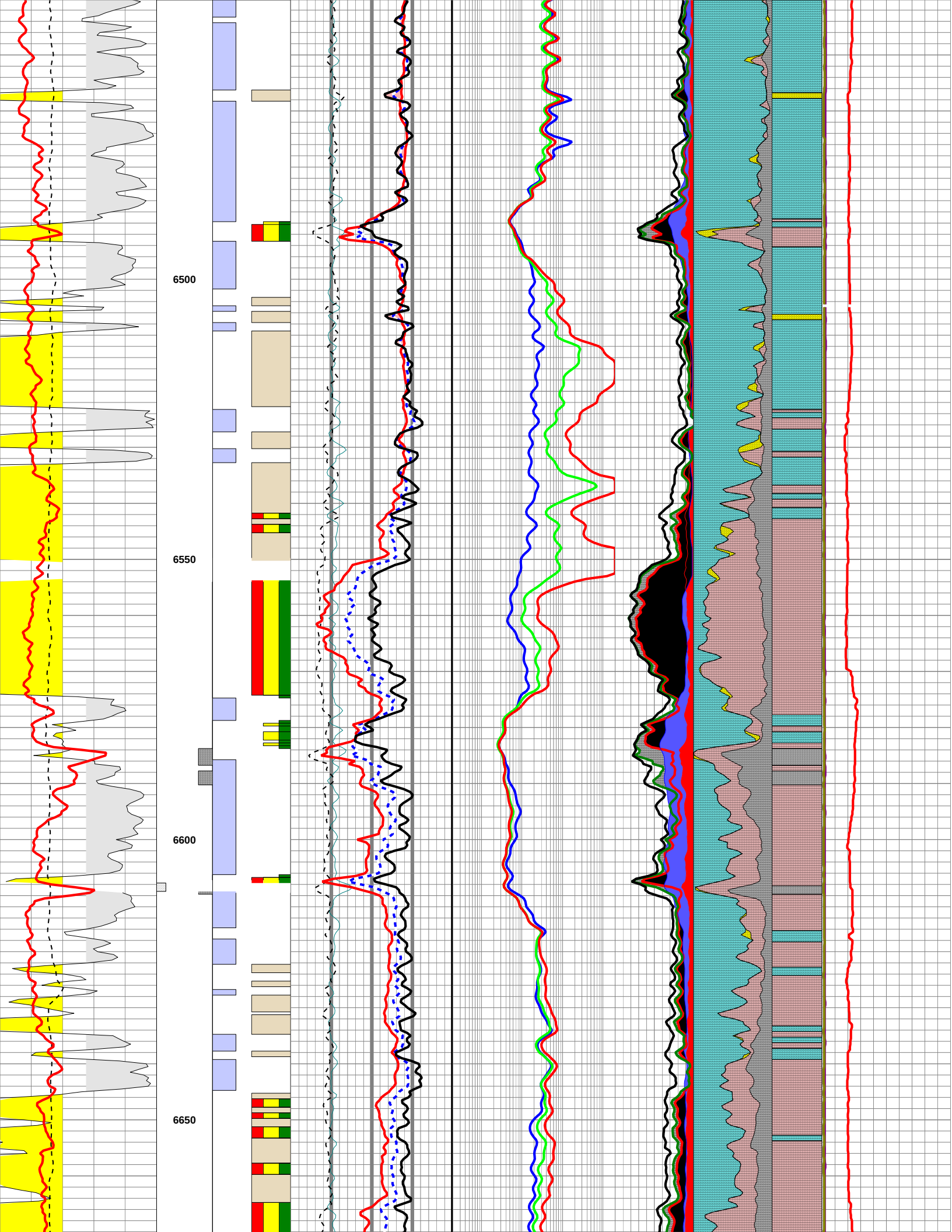


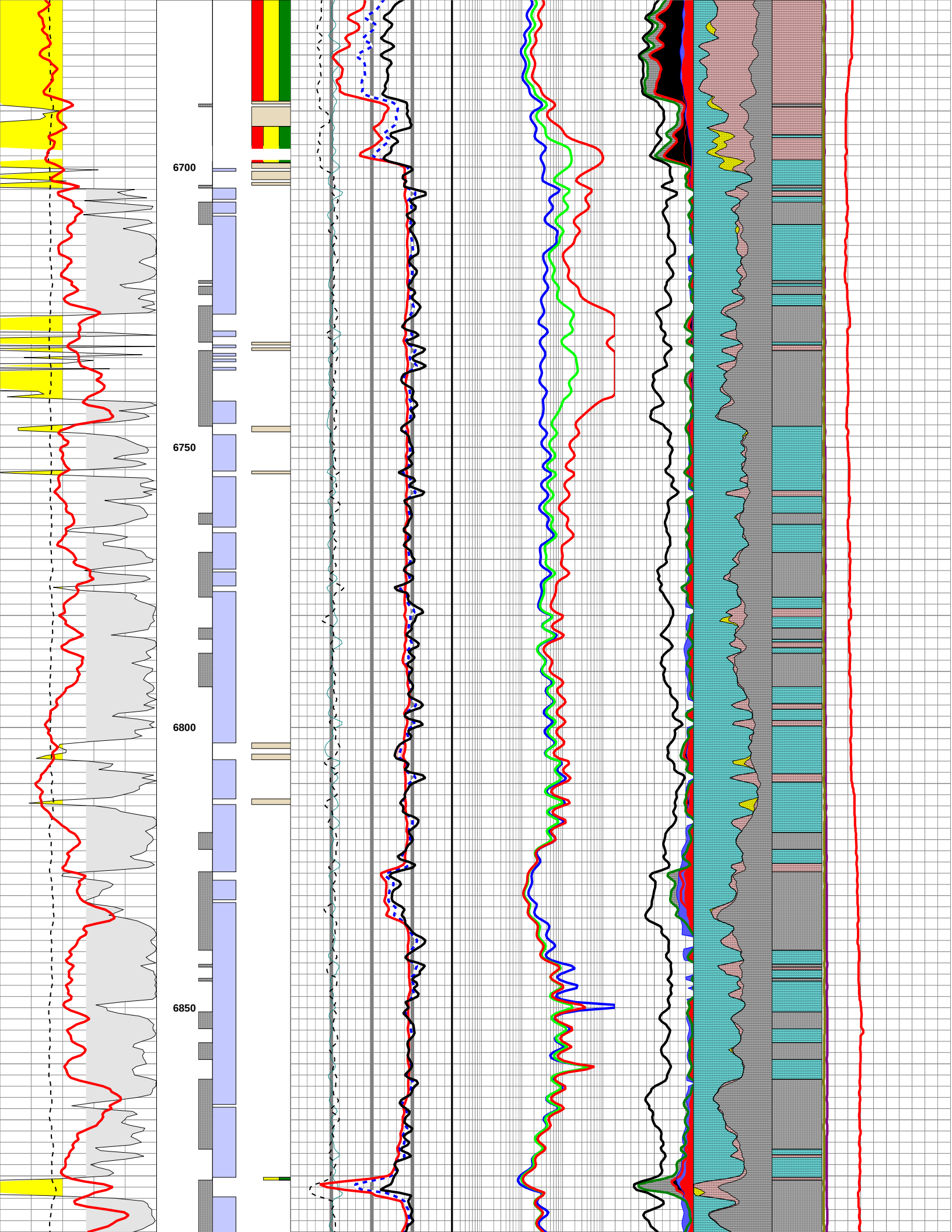


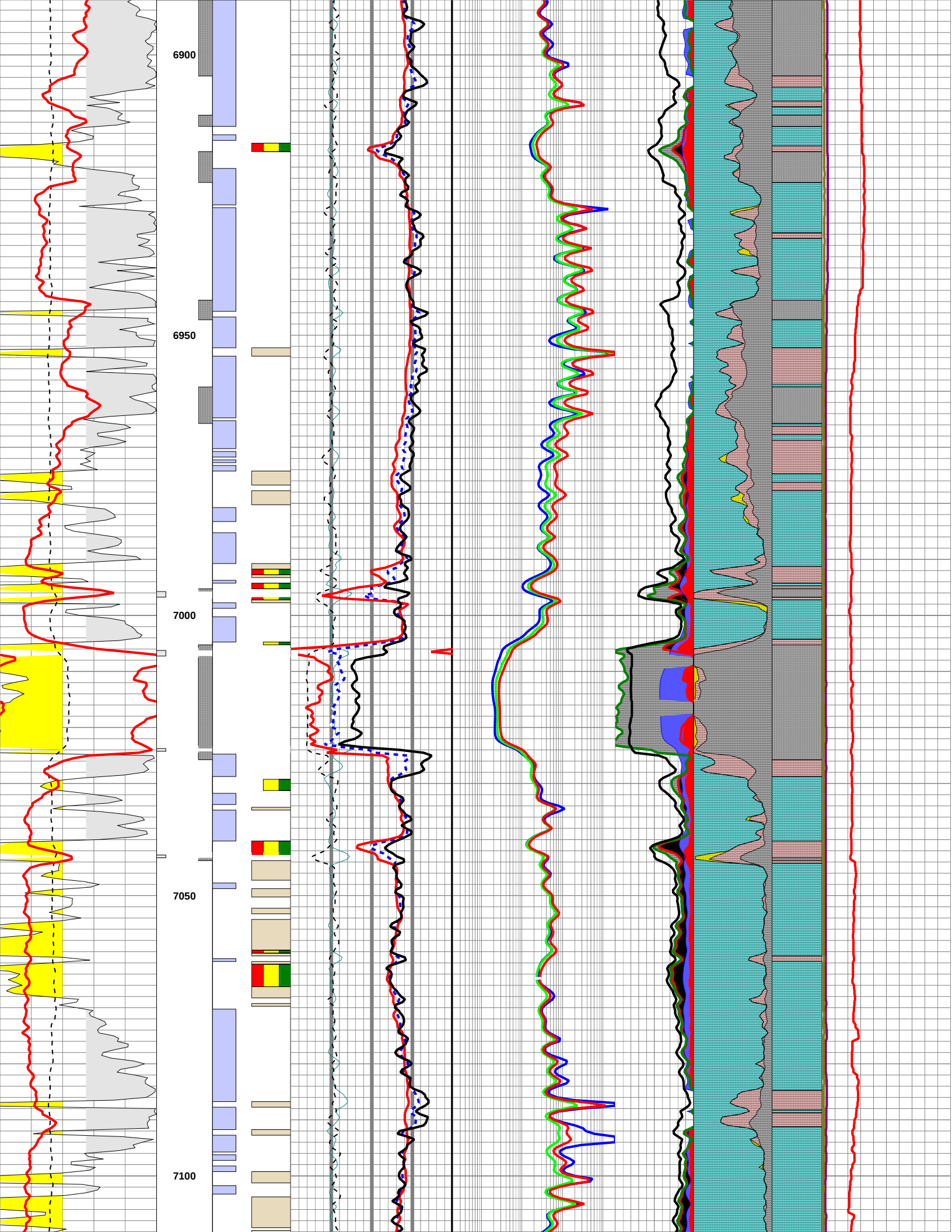


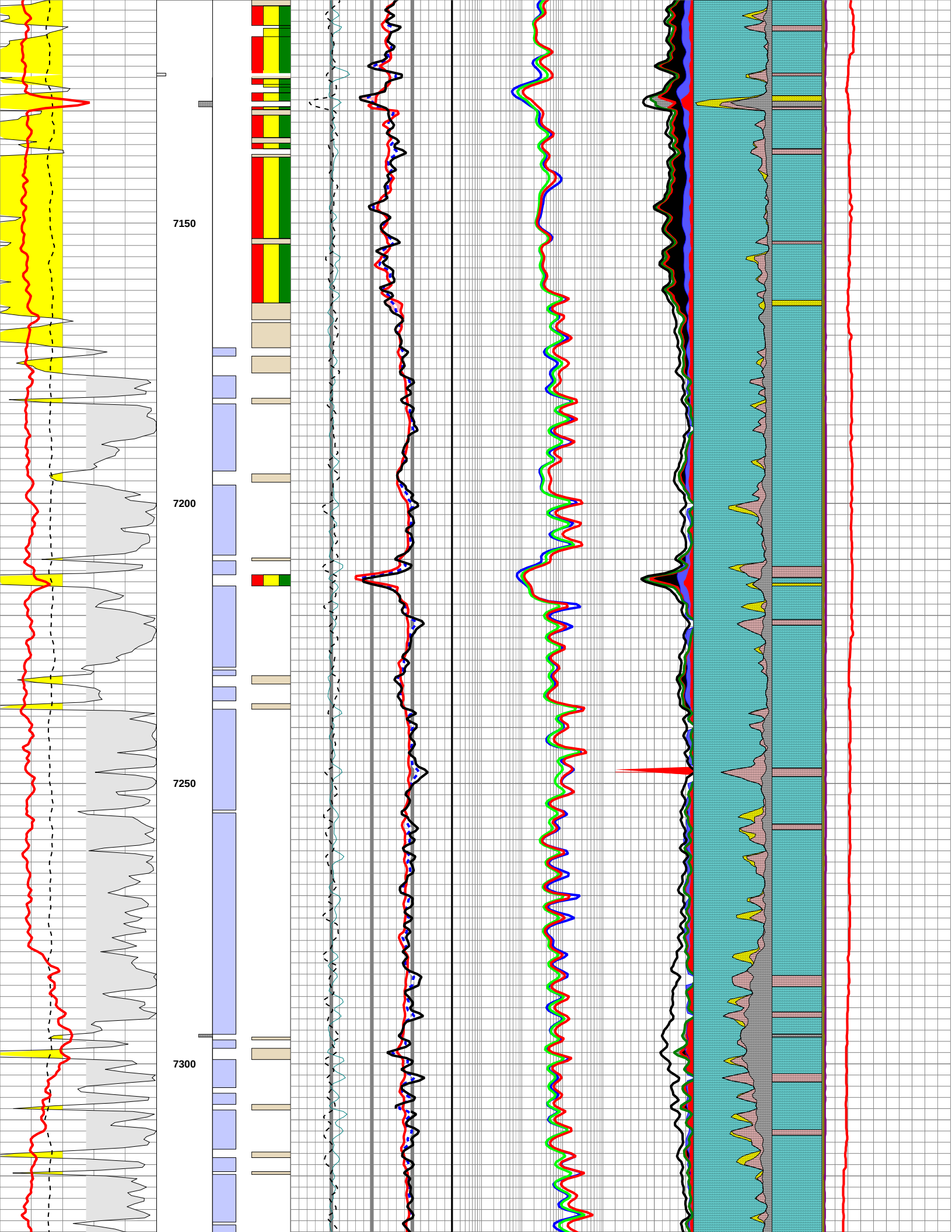


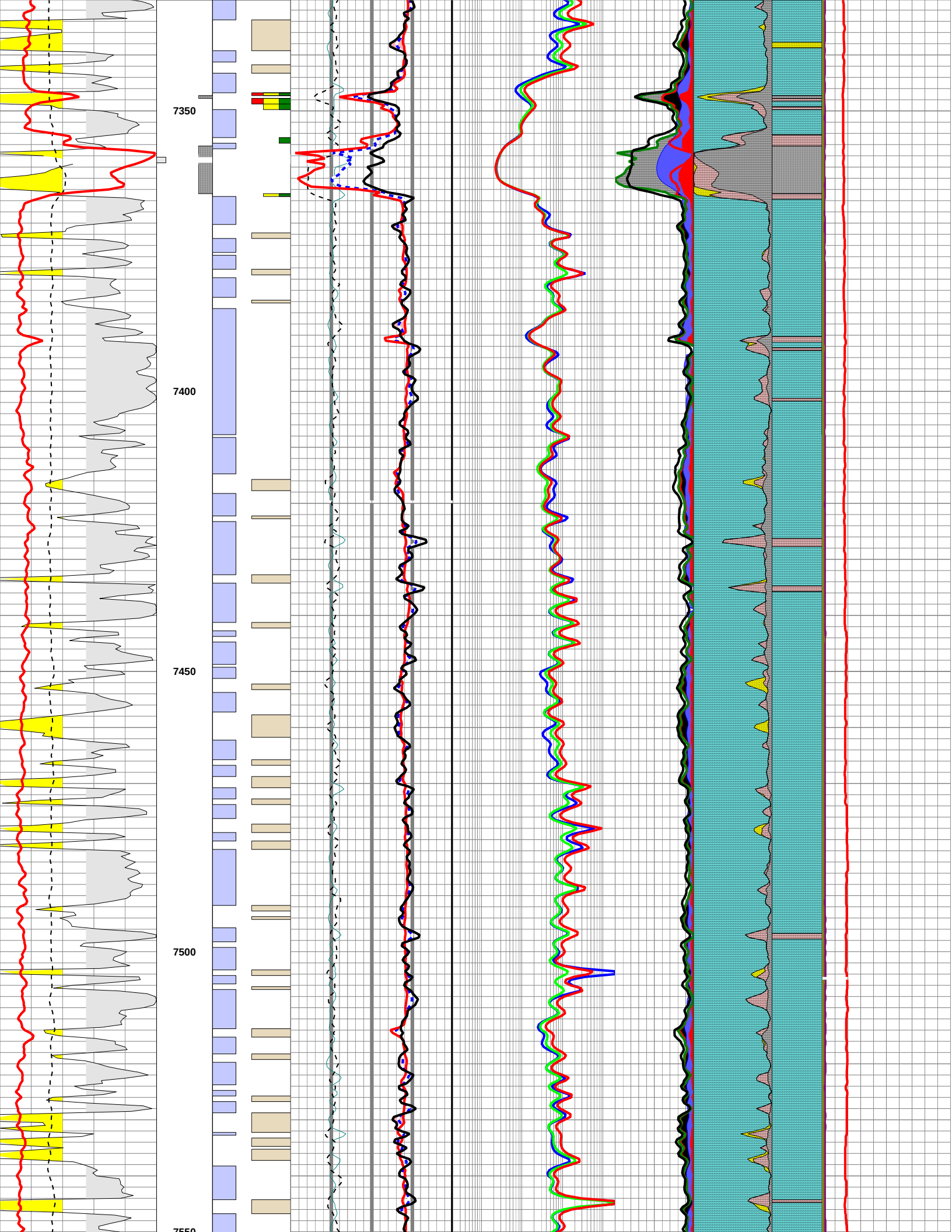


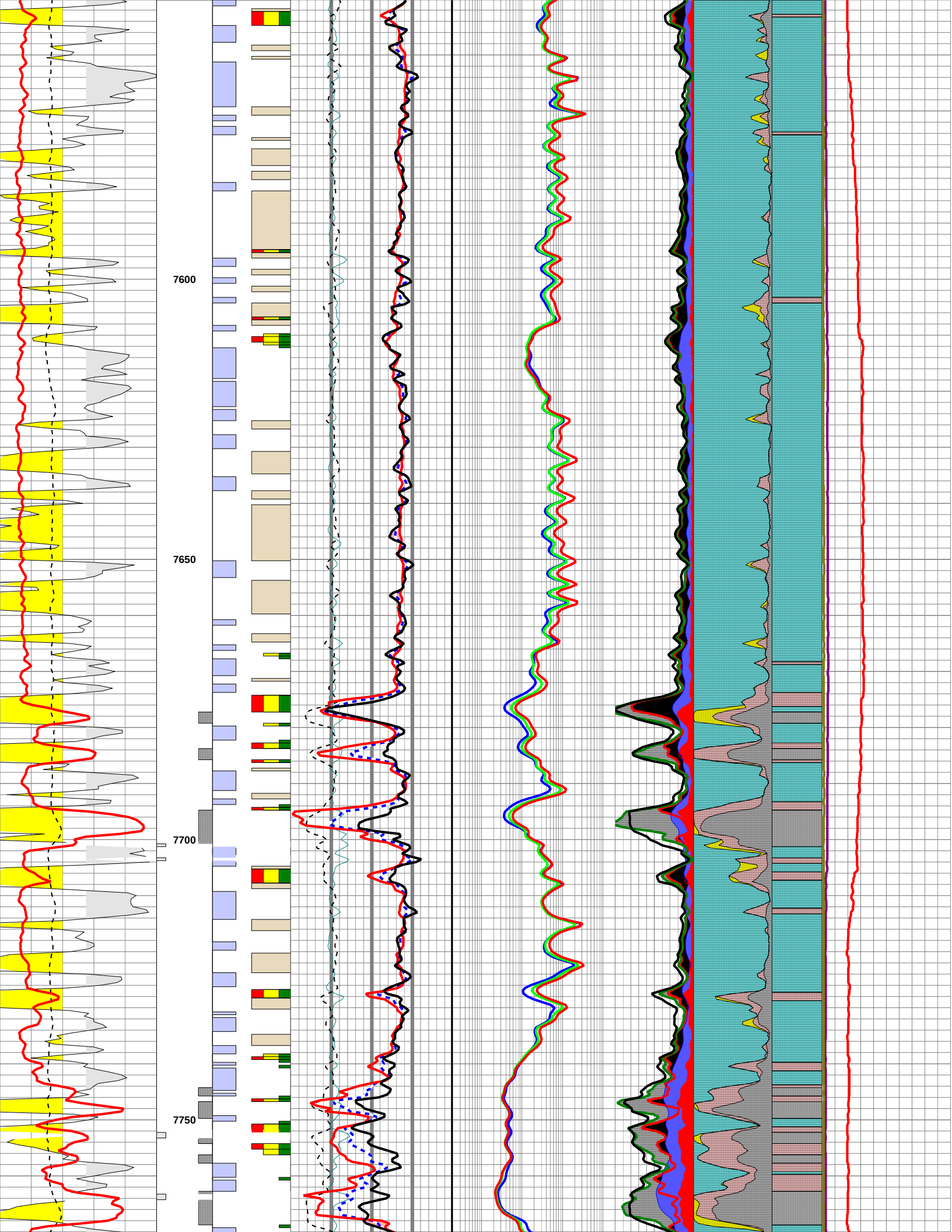


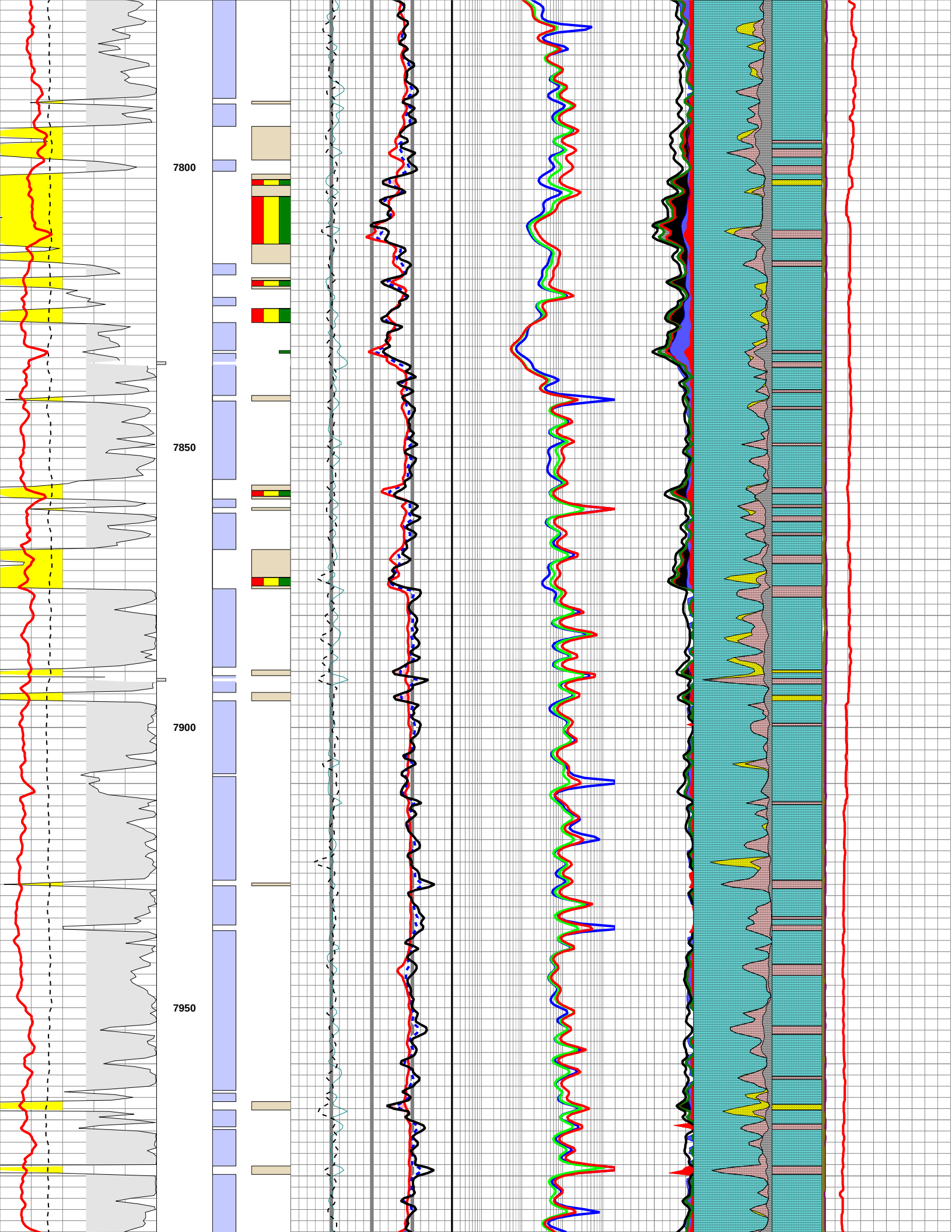


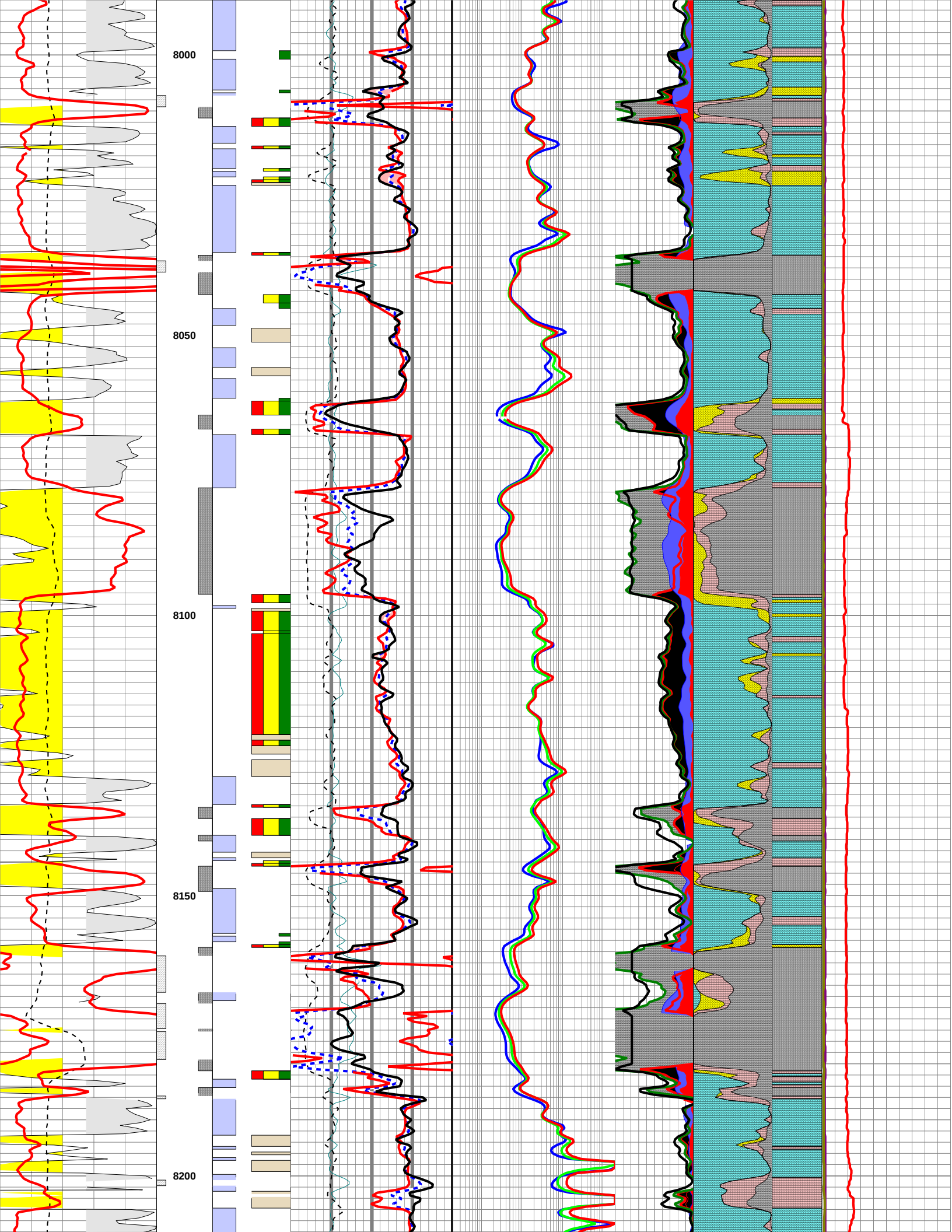


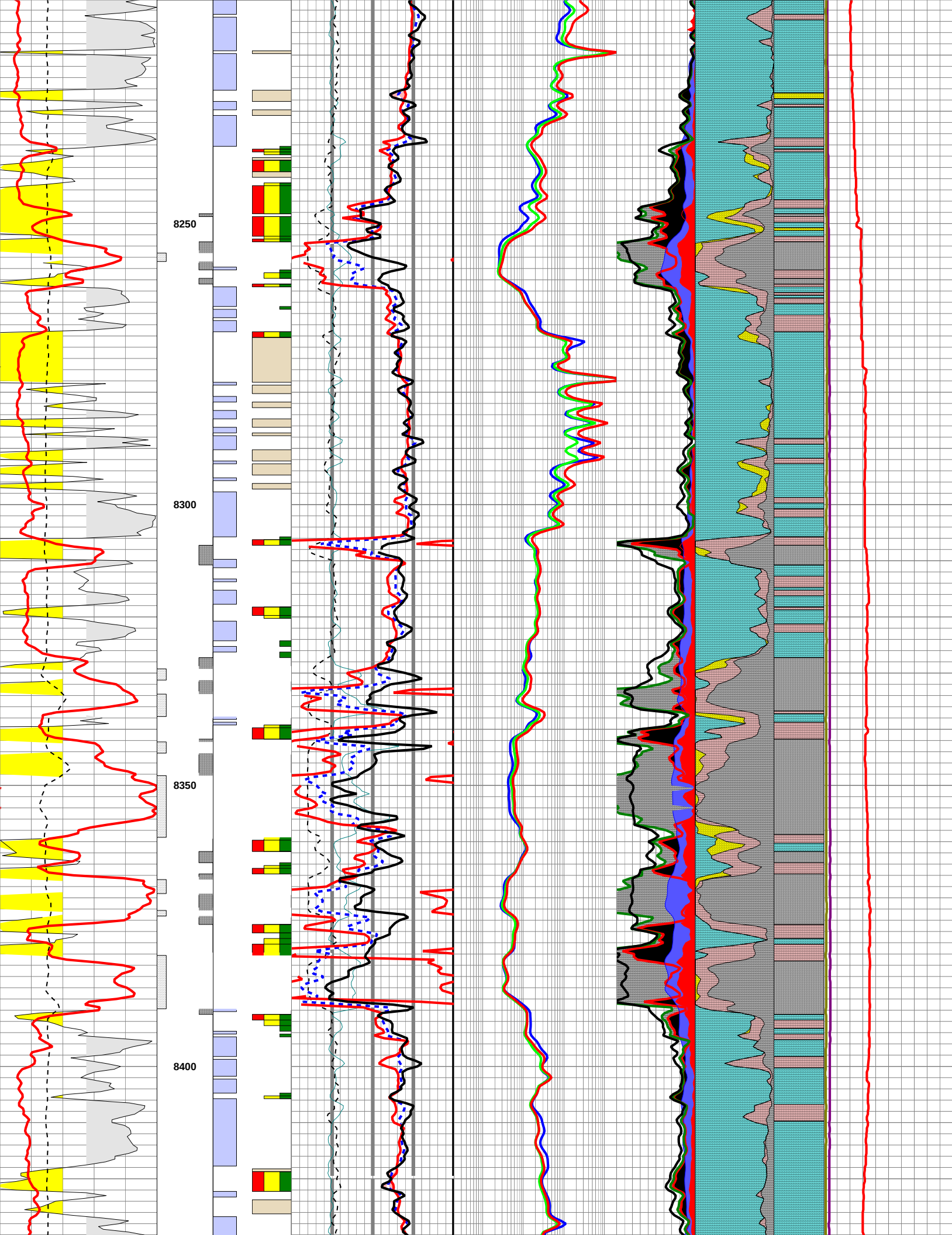


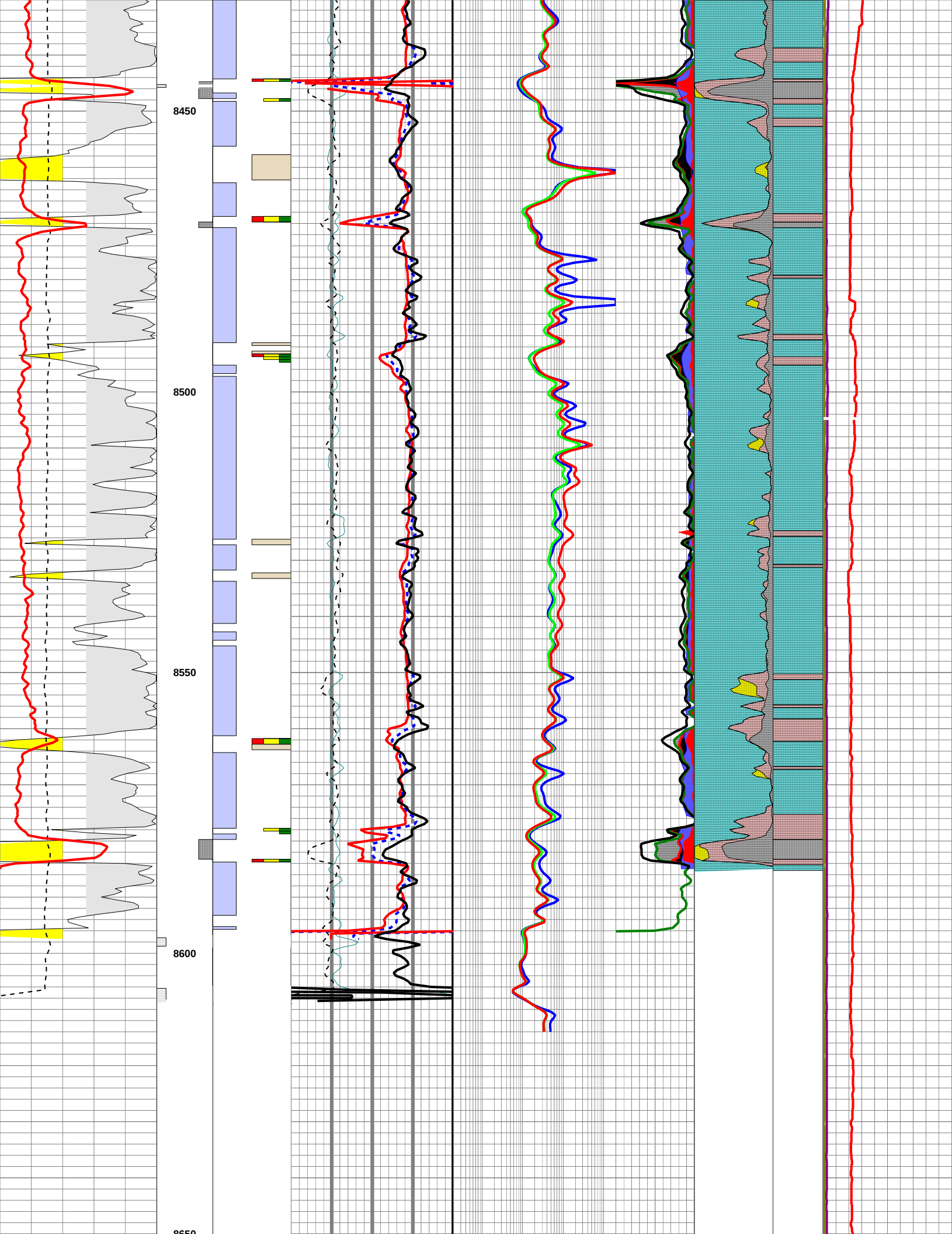












[illegible]