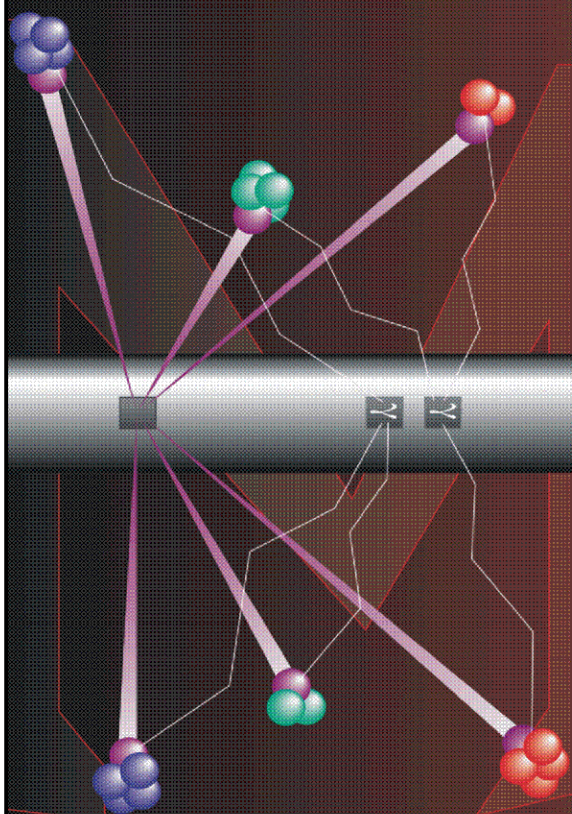




Pulsed Neutron Formation Evaluation



RESERVOIR PERFORMANCE MONITOR GASVIEW SATURATION ANALYSIS

COMPANY EXXONMOBIL PRODUCTION COMPANY

WELL FRU 197-33A9

FIELD PICEANCE CREEK

COUNTY RIO BLANCO STATE COLORADO

LOCATION: SHL: 860' FSL & 2356' FEL

SEC 33 TWP 1S RGE 9W

ELEVATIONS:

KB 6417.4 FT DF 6416.4 FT GL 6388 FT

DATE 28-APR-2010 ECC 3395

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

COMPUTATION PARAMETERS

COMPUTATION	LOGS USED: <u>RPM-C</u>		PROGRAM: <u>GASVIEW</u>	
	CENTER: <u>DENVER GEOSCIENCE</u>	LOG ANALYST: <u>M.RUST</u>	DATE: <u>28-APR-2010</u>	
FIELD DATA	LOCATION: <u>VERNAL, UTAH</u>	ENGINEER: <u>OSTLER/569777</u>	DATE: <u>23-APR-2010</u>	
FROM	TO			
<u>6500 FT</u>	<u>12120 FT</u>			

REMARKS

ISS CUTOFF VALUE FOR COAL/WASHOUT IS 680000
POROSITY CUTOFF VALUE FOR GAS SATURATION IS 5 PU

GASVIEW LOG PROCESSED IN TWO ZONES:

ZONE 1: 6500-8495 FT

ZONE 2: 8495-12120 FT

SGCRVF = GAS SATURATION WITHOUT GAS CUT CEMENT CORRECTION APPLIED

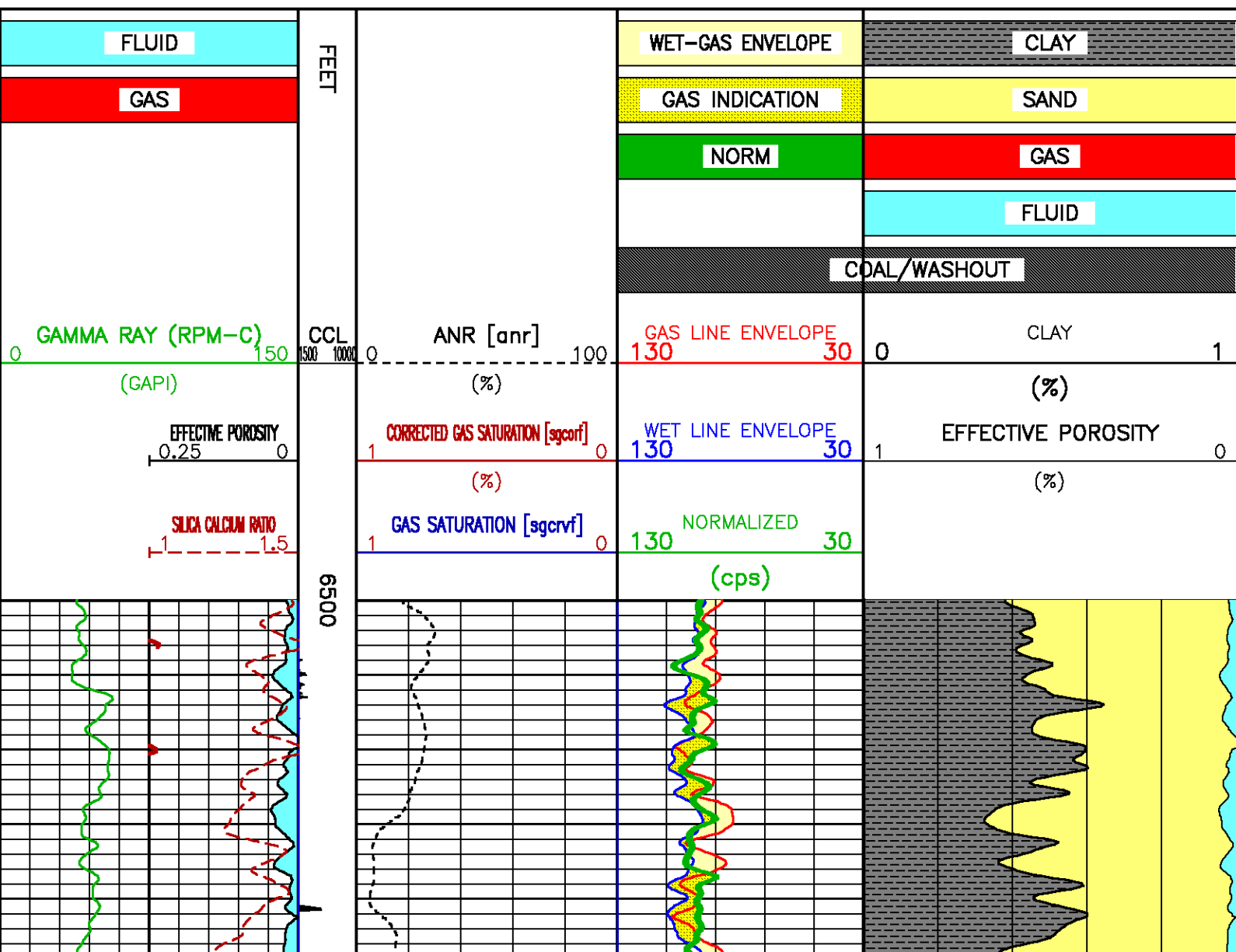
SGCORF = GAS SATURATION WITH GAS CUT CEMENT CORRECTION APPLIED

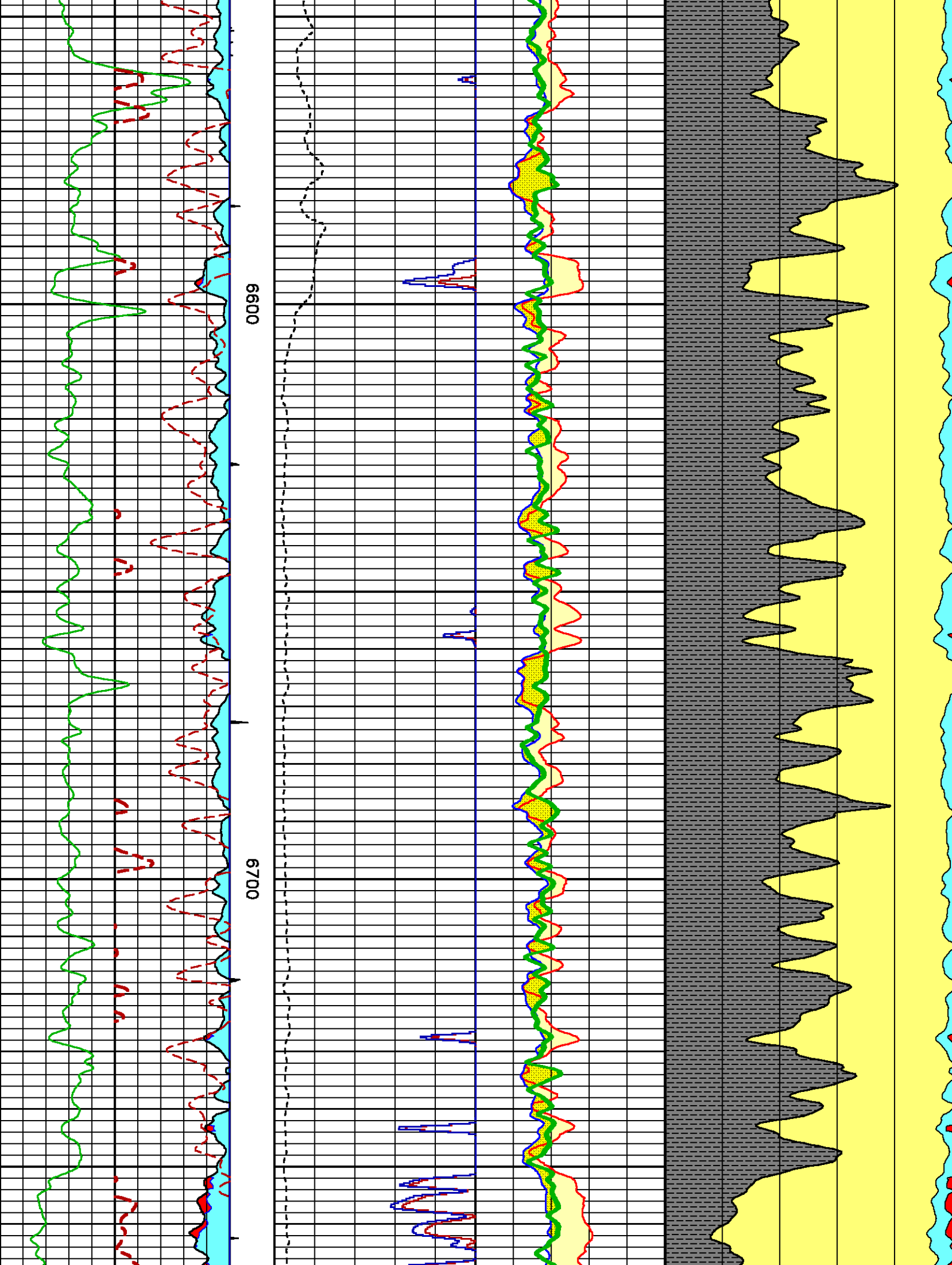
THE DISPLAYED DYNAMIC ENVELOPE IS FROM THE GAS CUT CORRECTION ANALYSIS

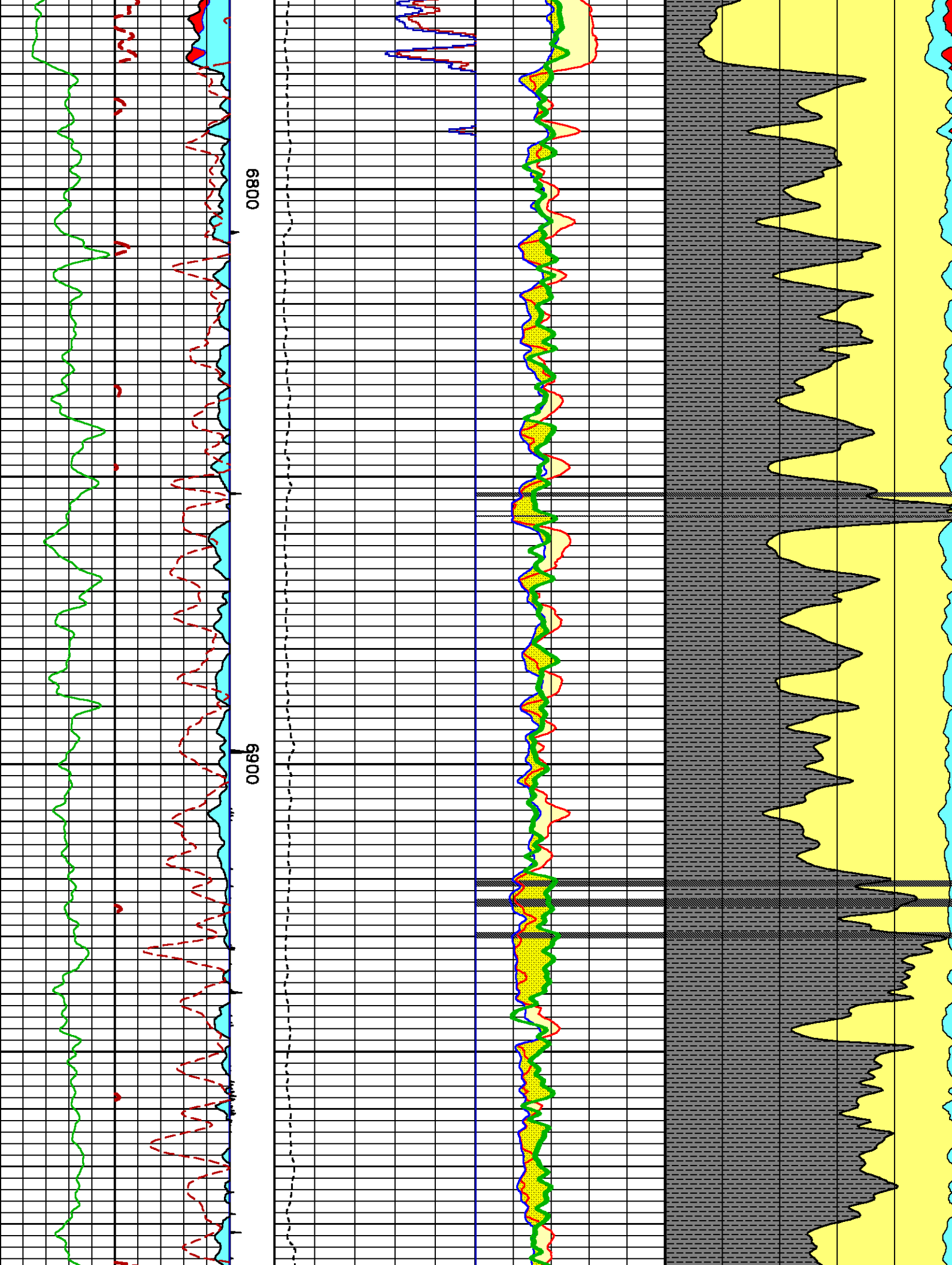
BAKER ATLAS PRELIMINARY GASVIEW SATURATION ANALYSIS

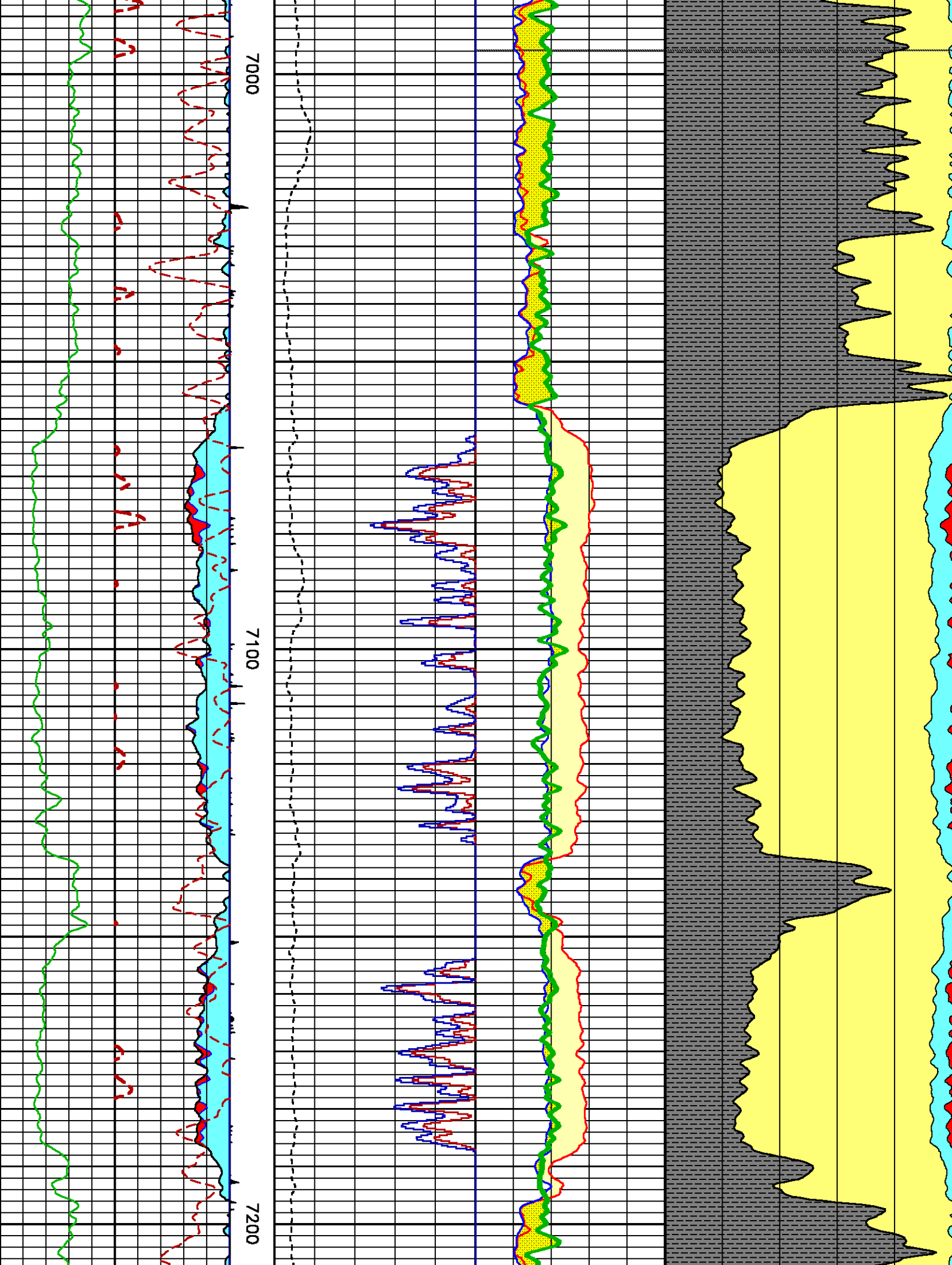
Project : /export/home/willmis/3395_EXXON_GASVIEW_FRU_197_33A9
User : willmis
Presentation : densrv01:/export/home/willmis/3395_EXXON_GASVIEW_FRU_197_33A9/pncgas_8_5_new_EXXON_BOND.pdf [5"/100' Scale]
Plot Interval : 6500 - 12126 Feet

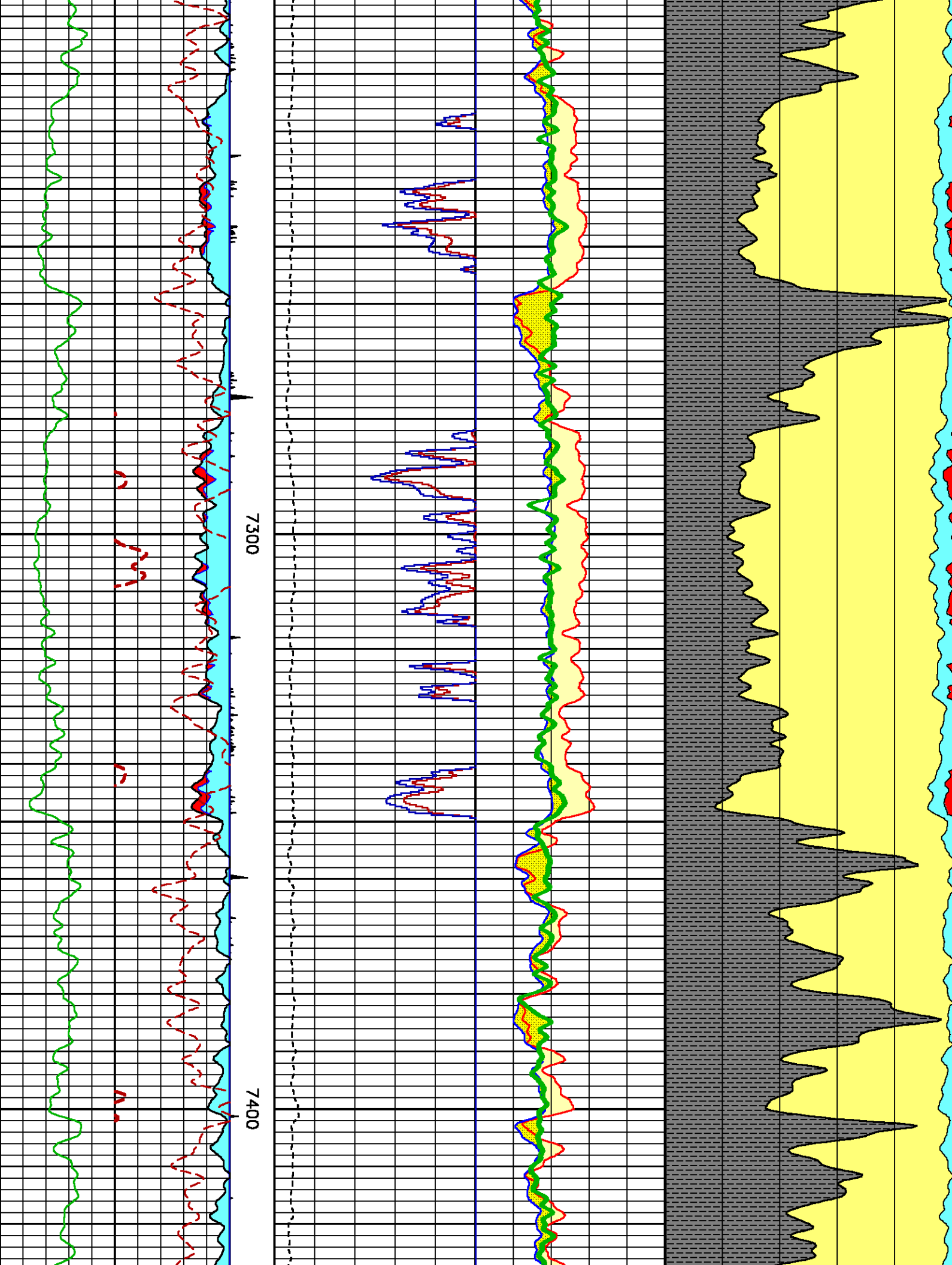
Data File 1 : F1 : densrv01:/export/home/willmis/3395_EXXON_GASVIEW_FRU_197_33A9/main_cor.xtf
Created On : Apr 23 22:56:33 2010
Company : EXXONMOBILE PRODUCTION COMPANY
Well : FRU 197-33A9
Field :
File Interval : 640 - 13246 Feet
Oct : NA

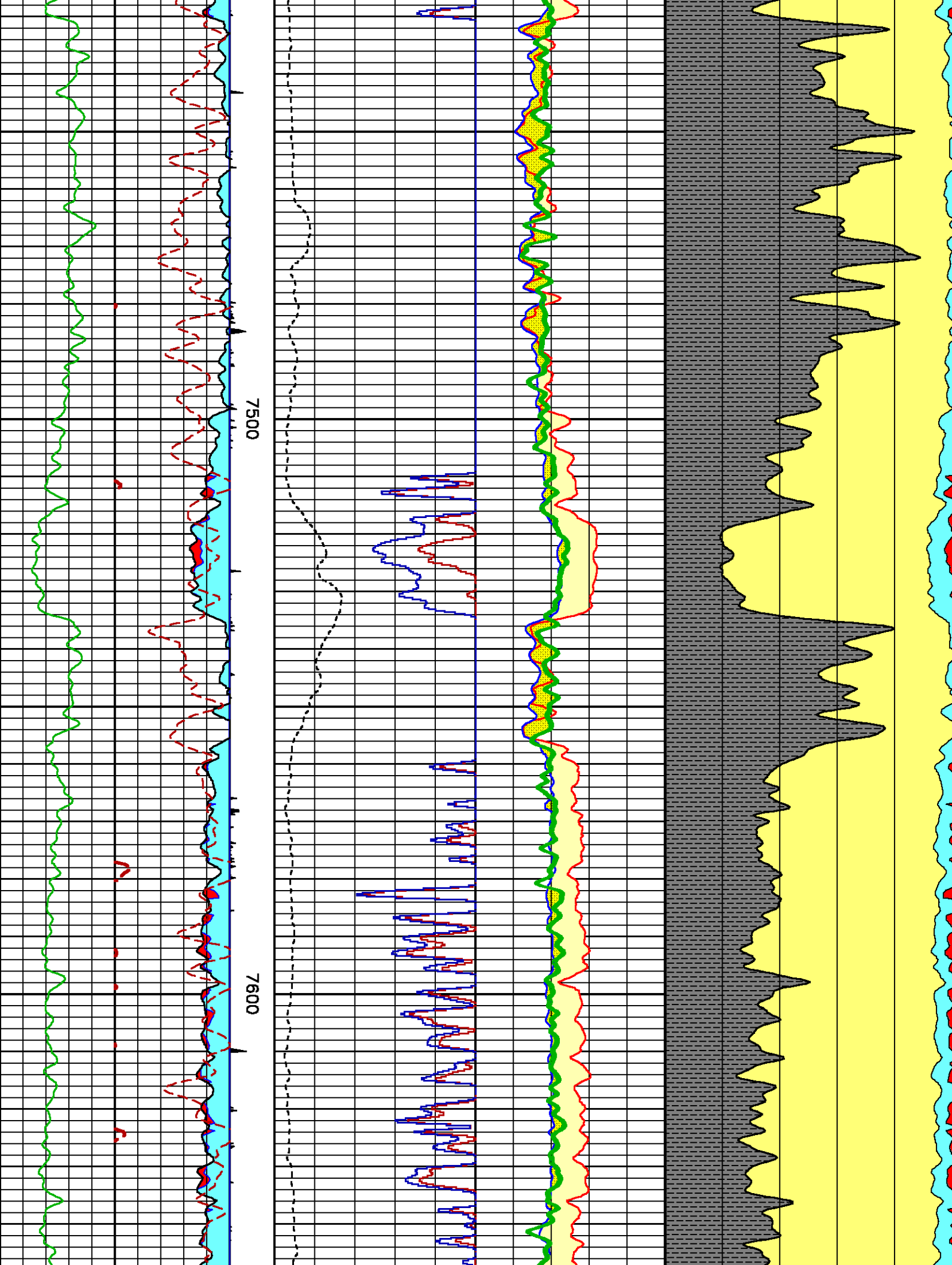


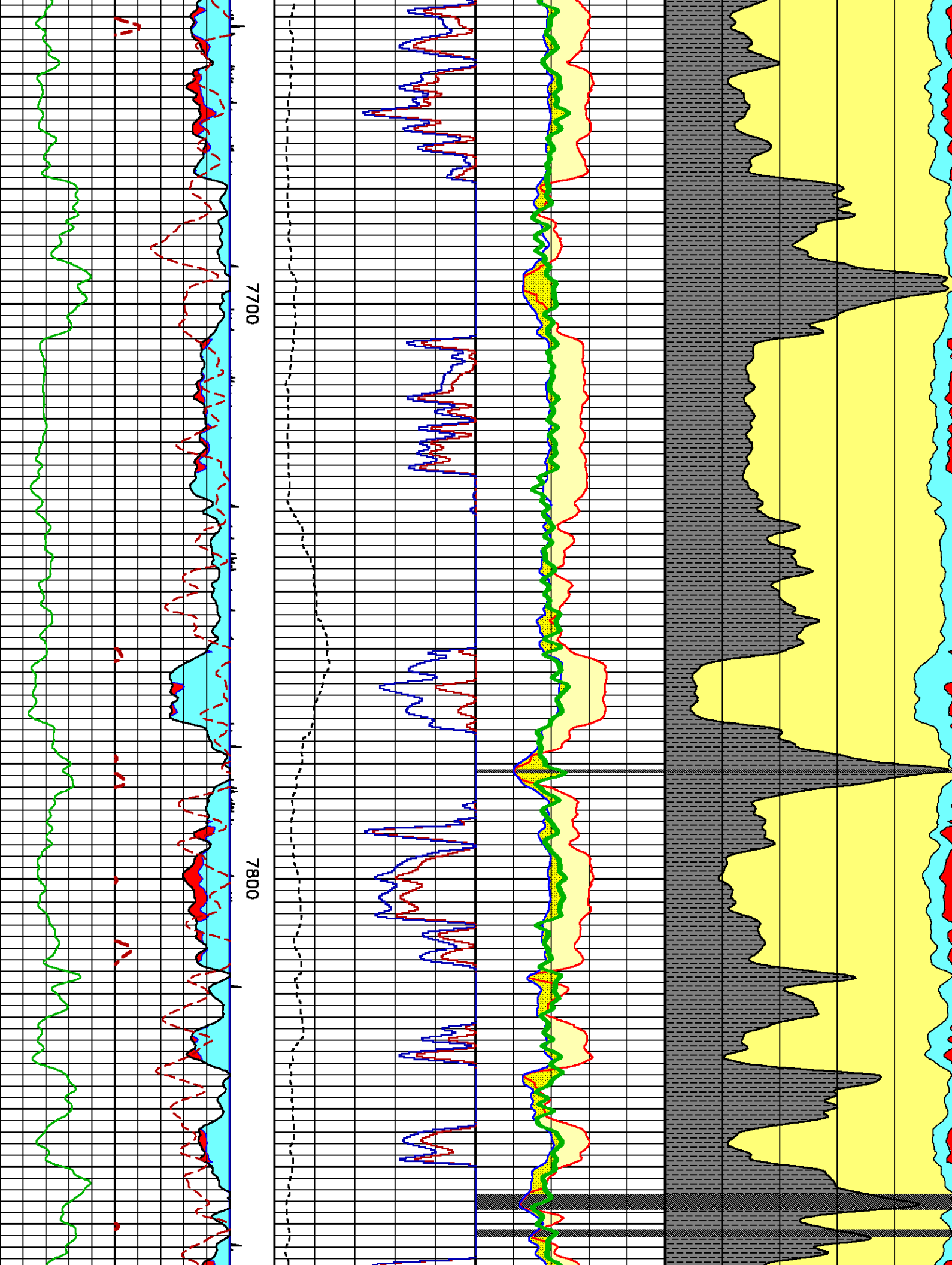


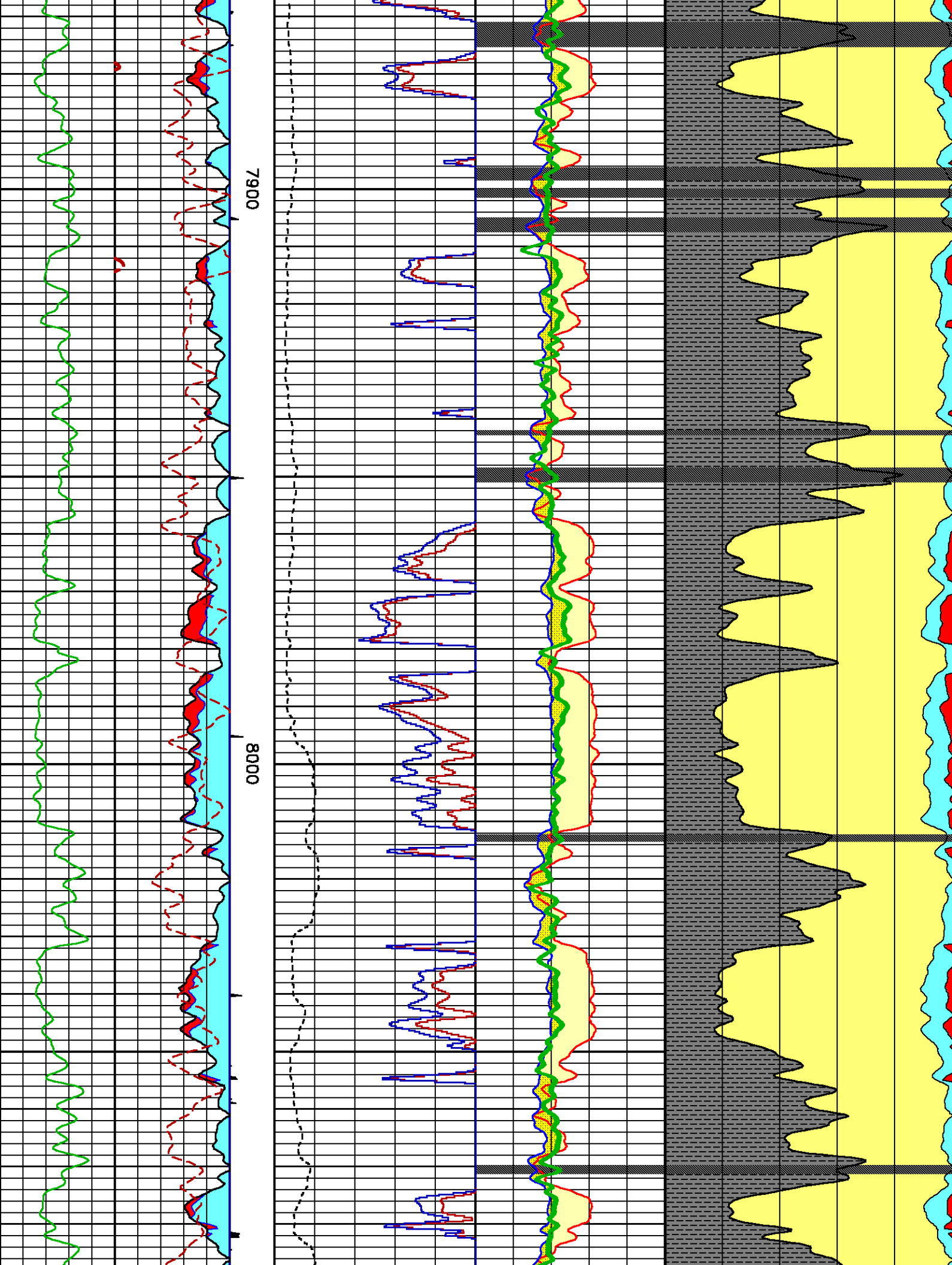


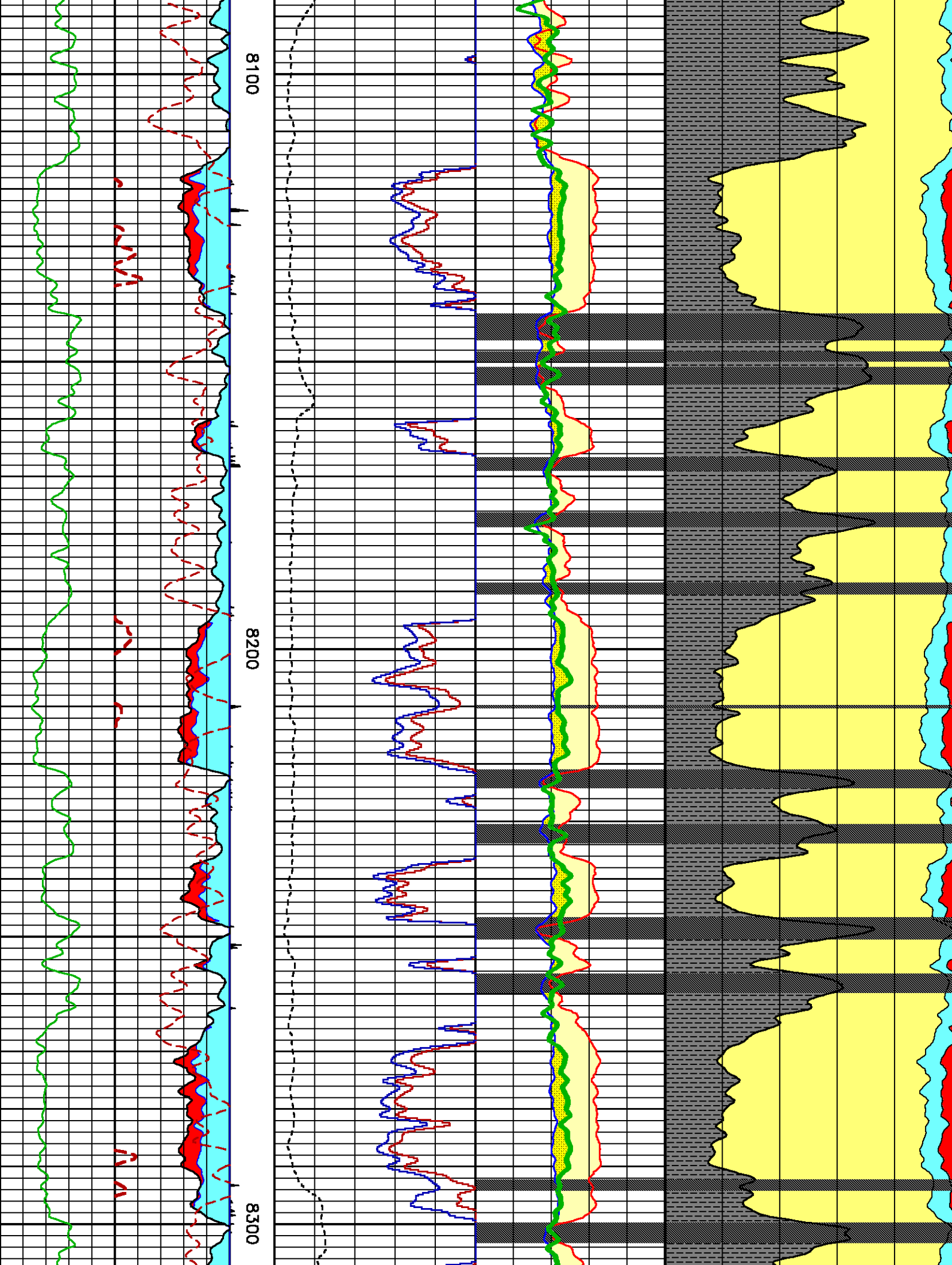


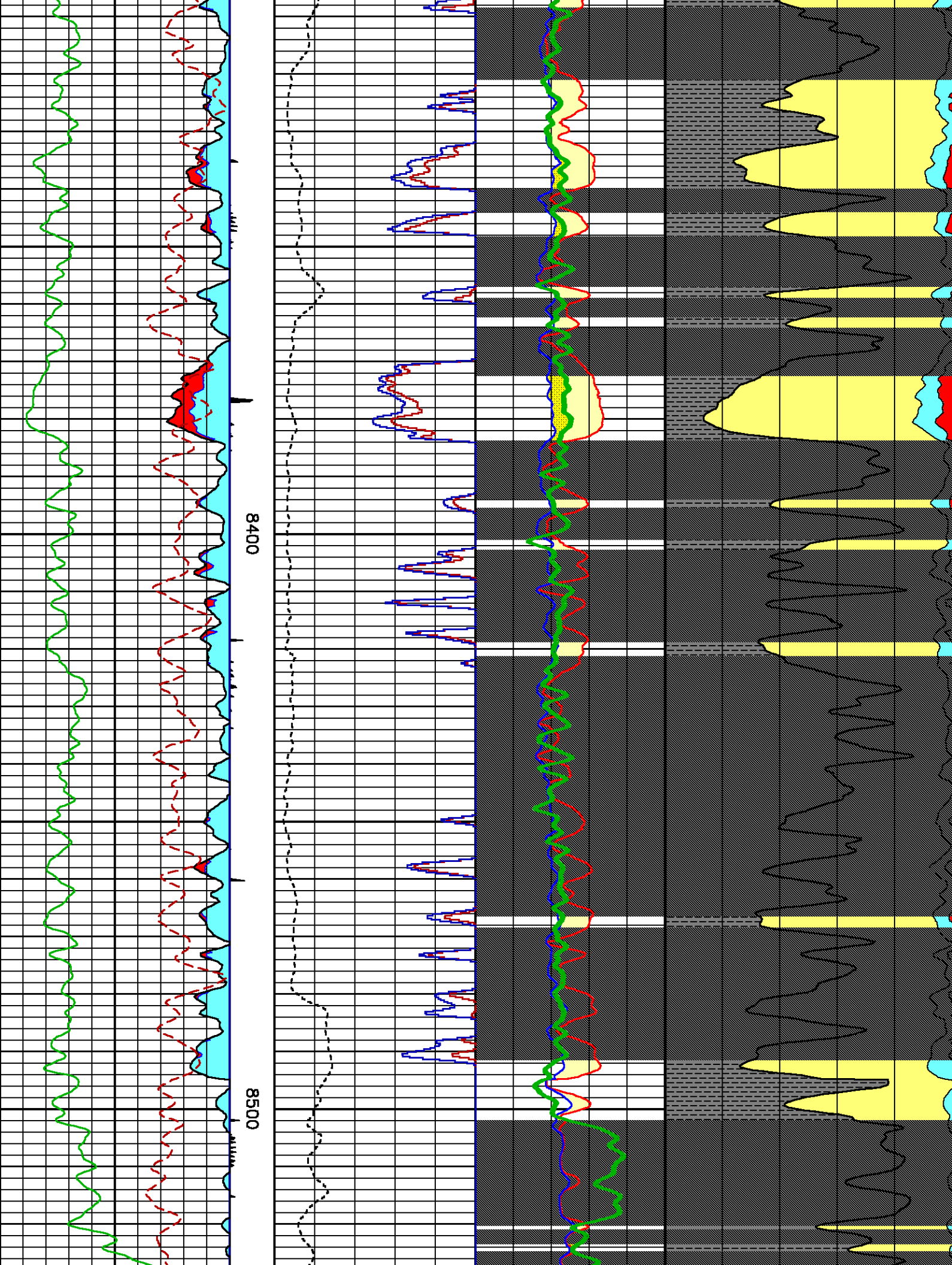


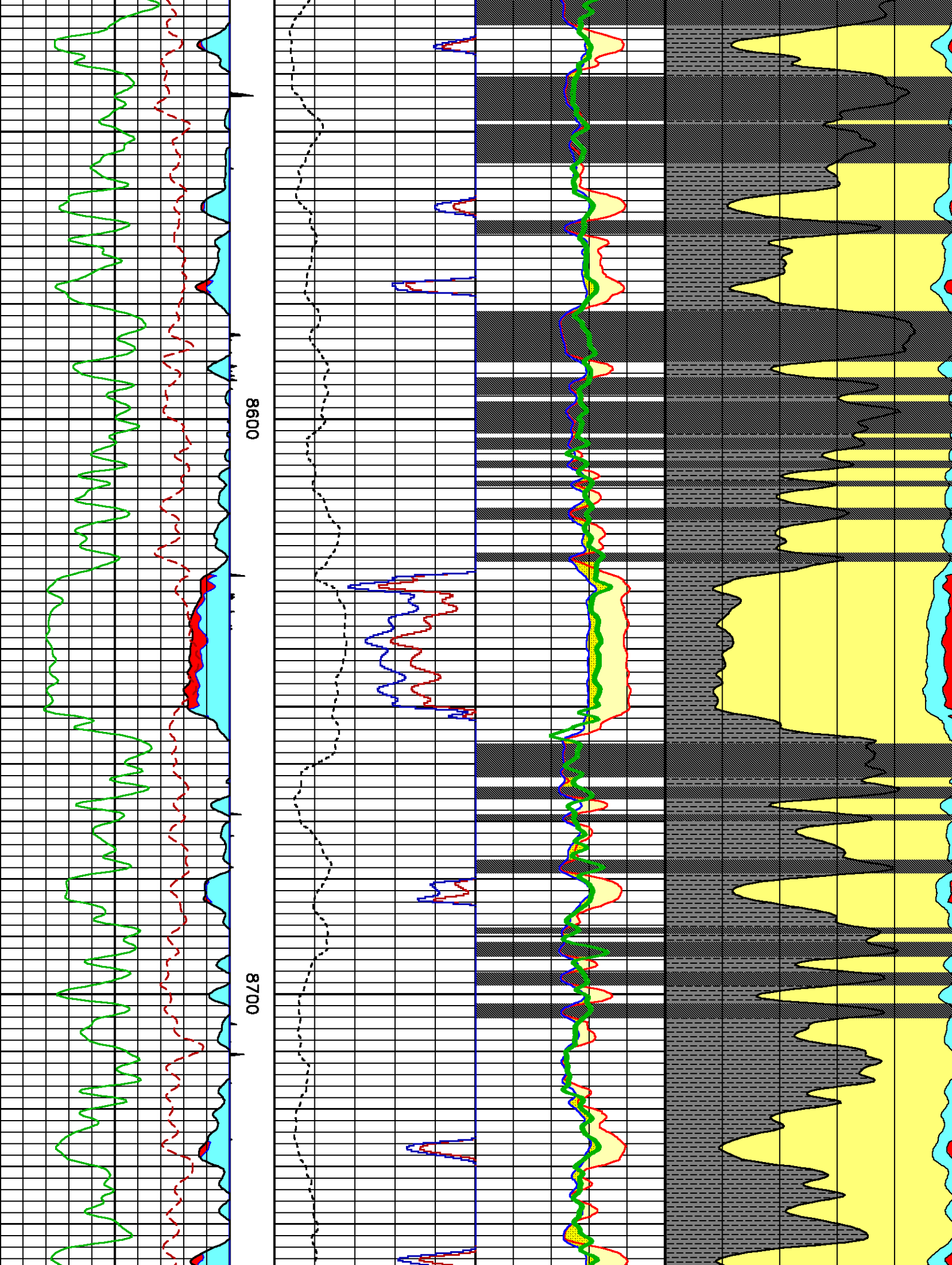


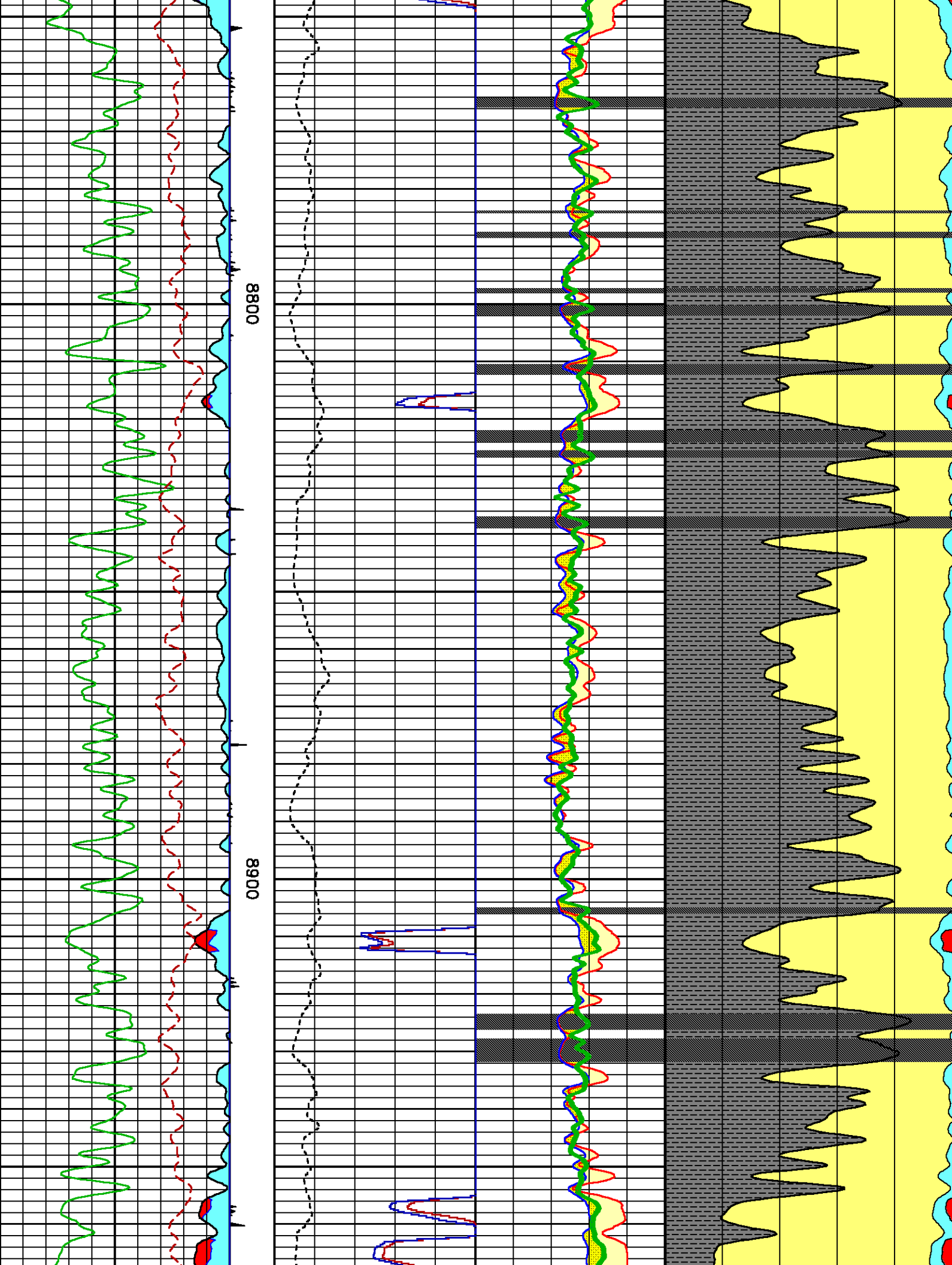


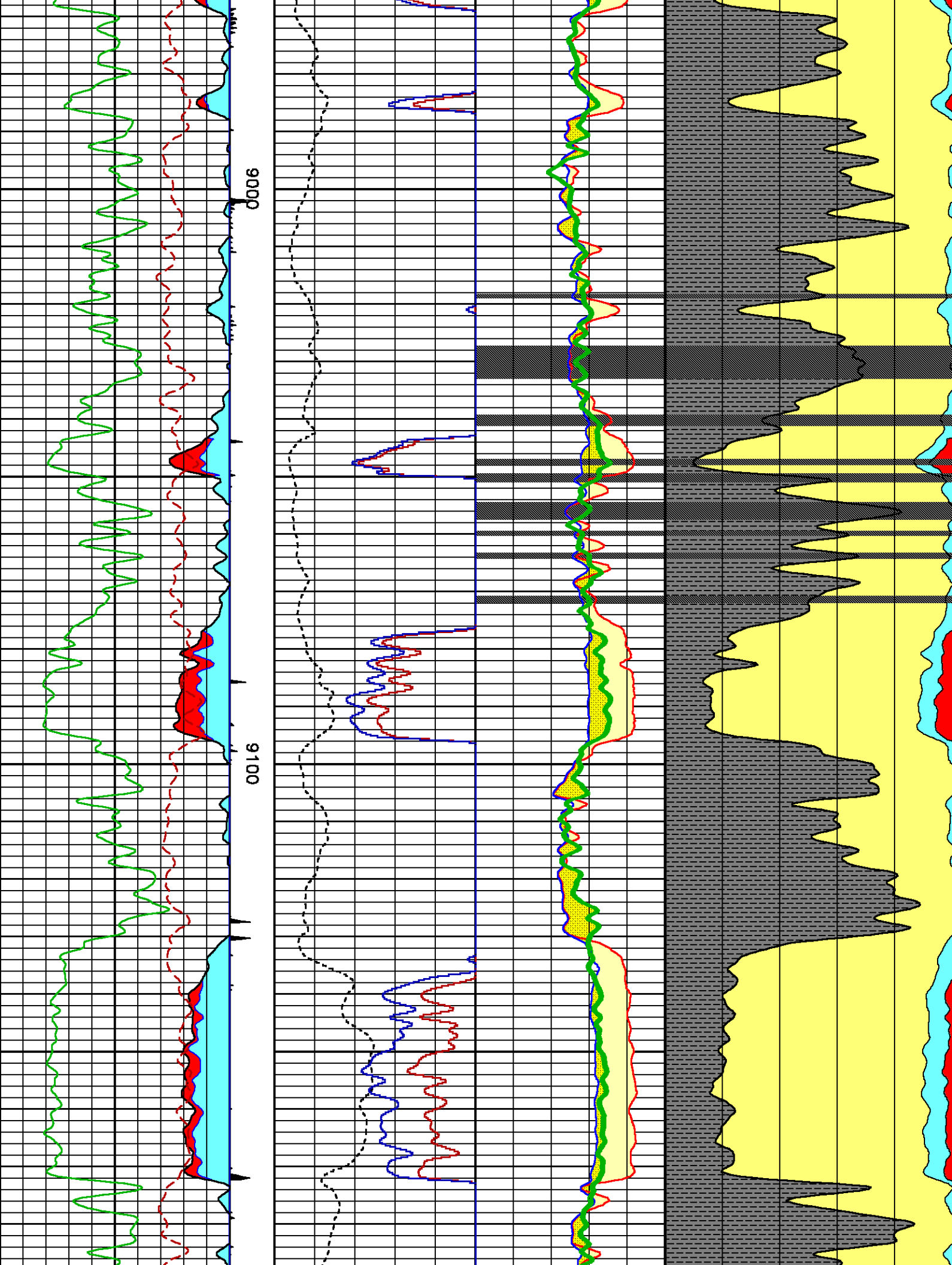


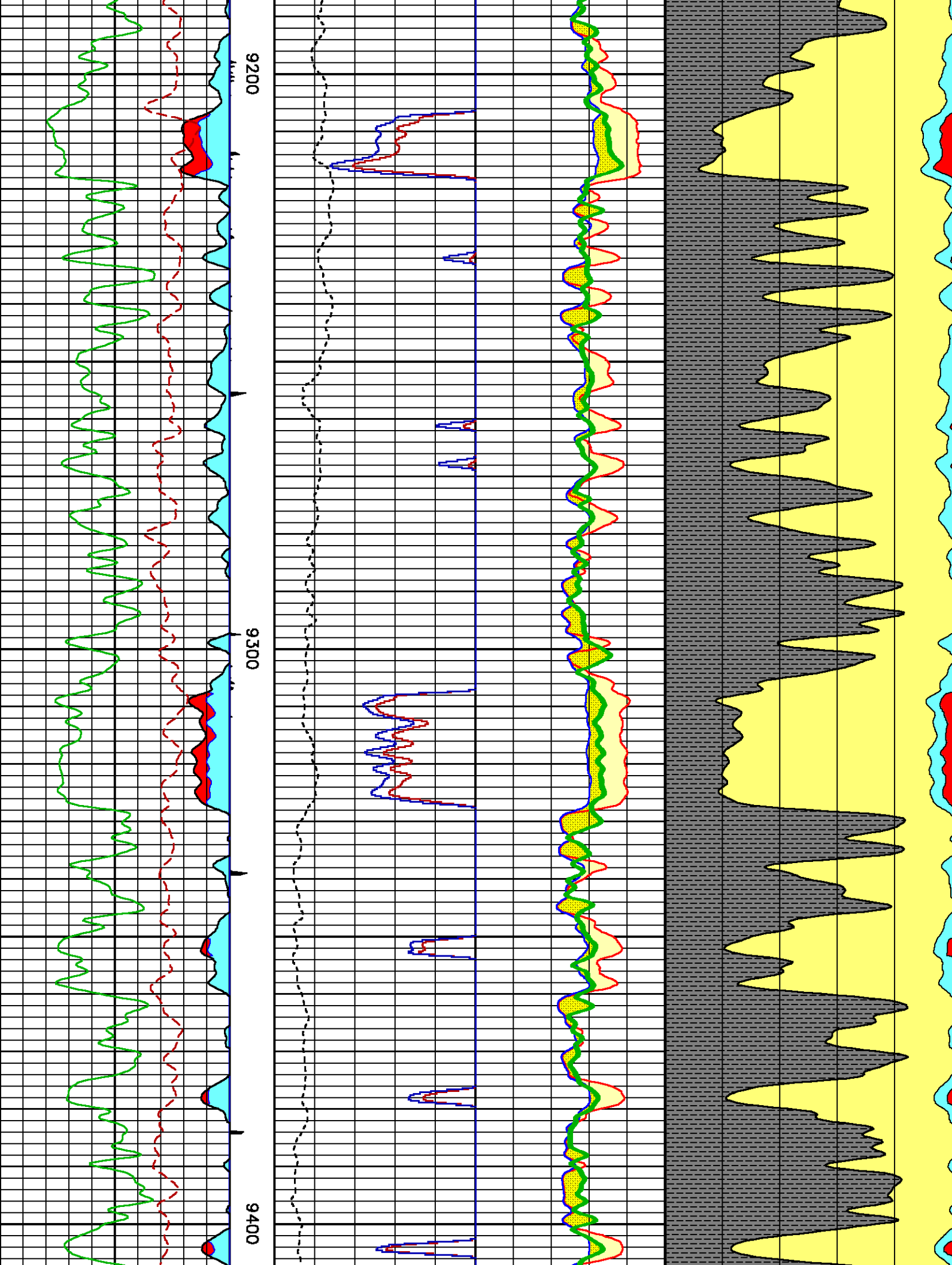


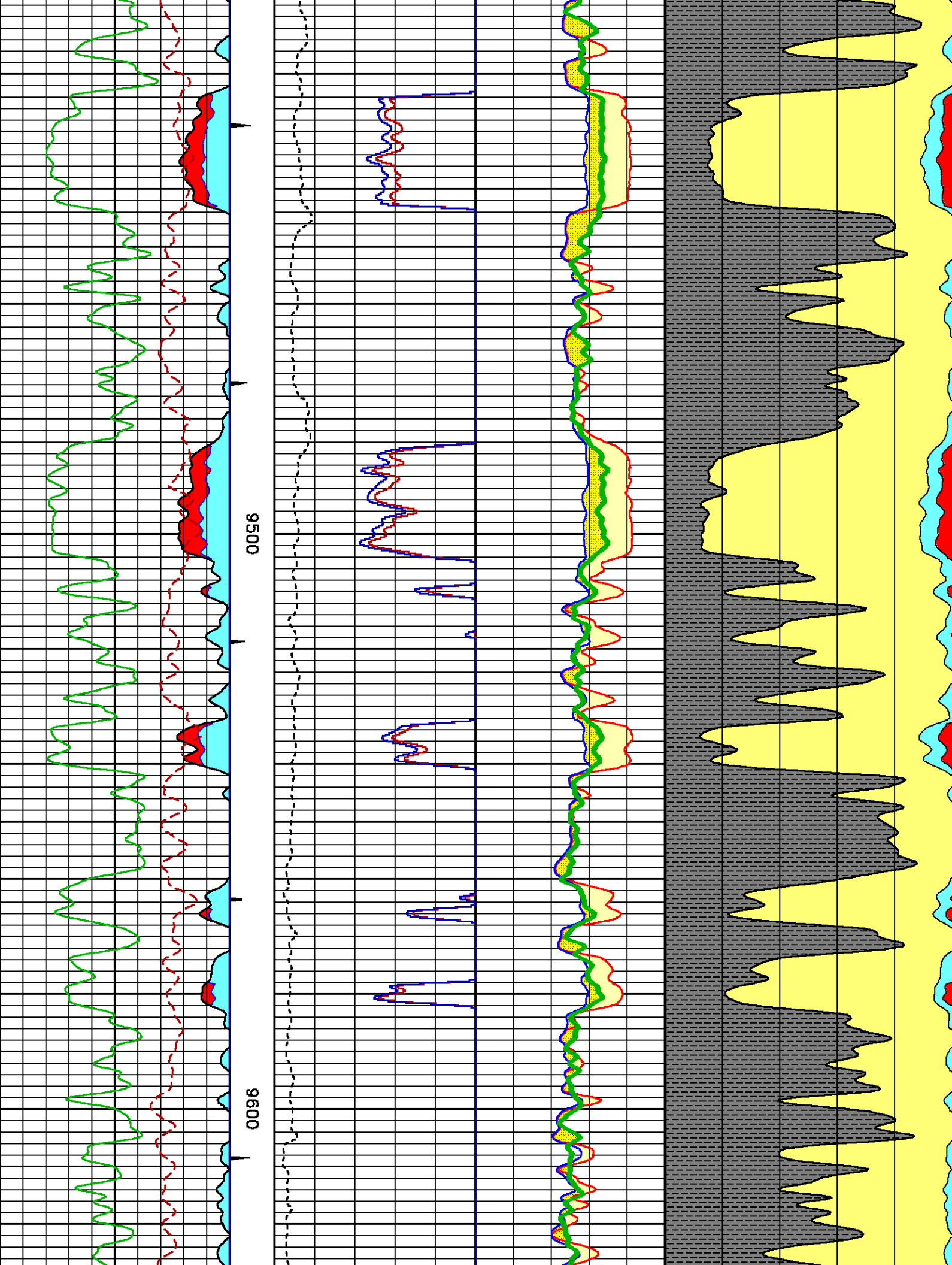


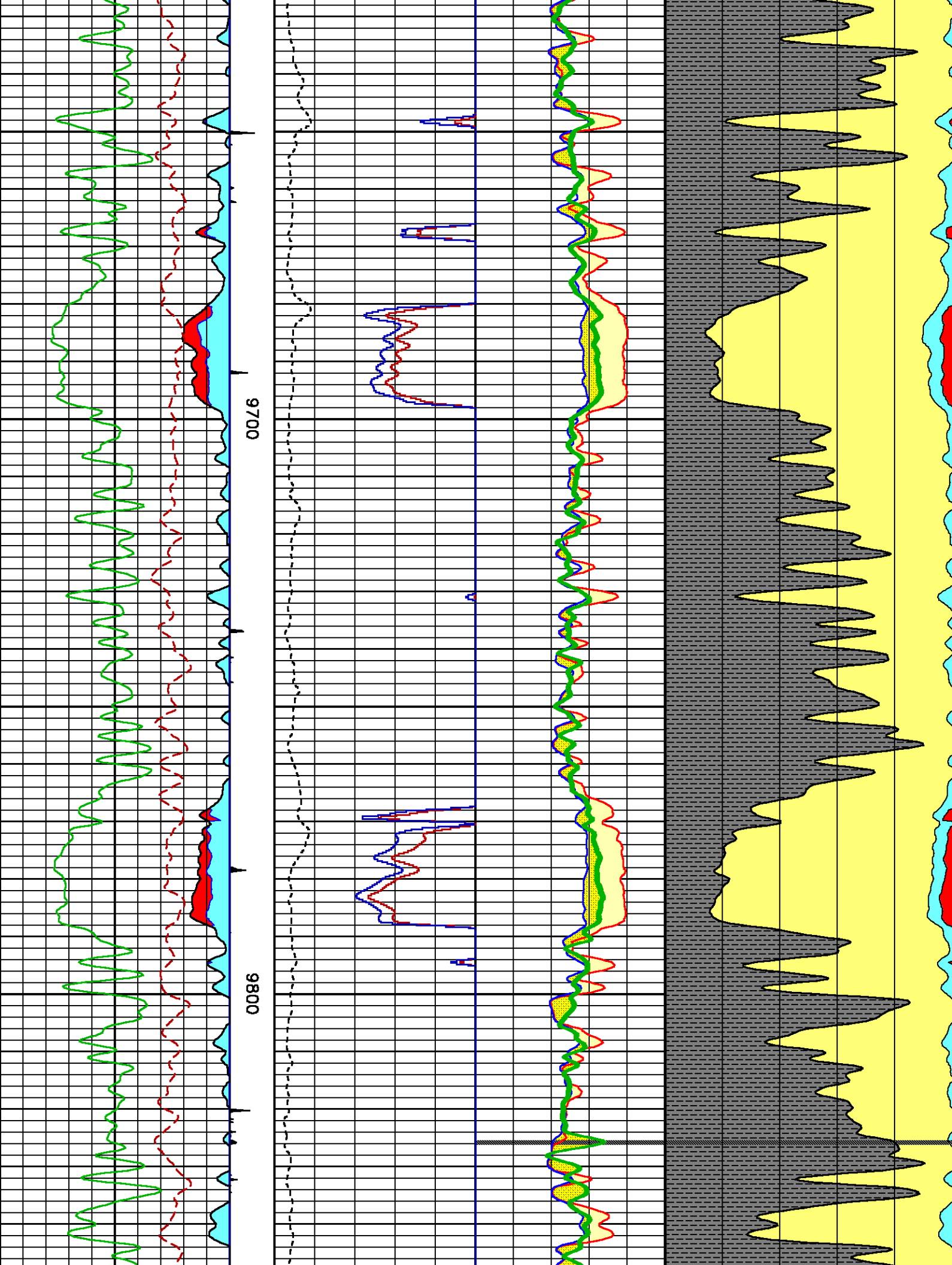


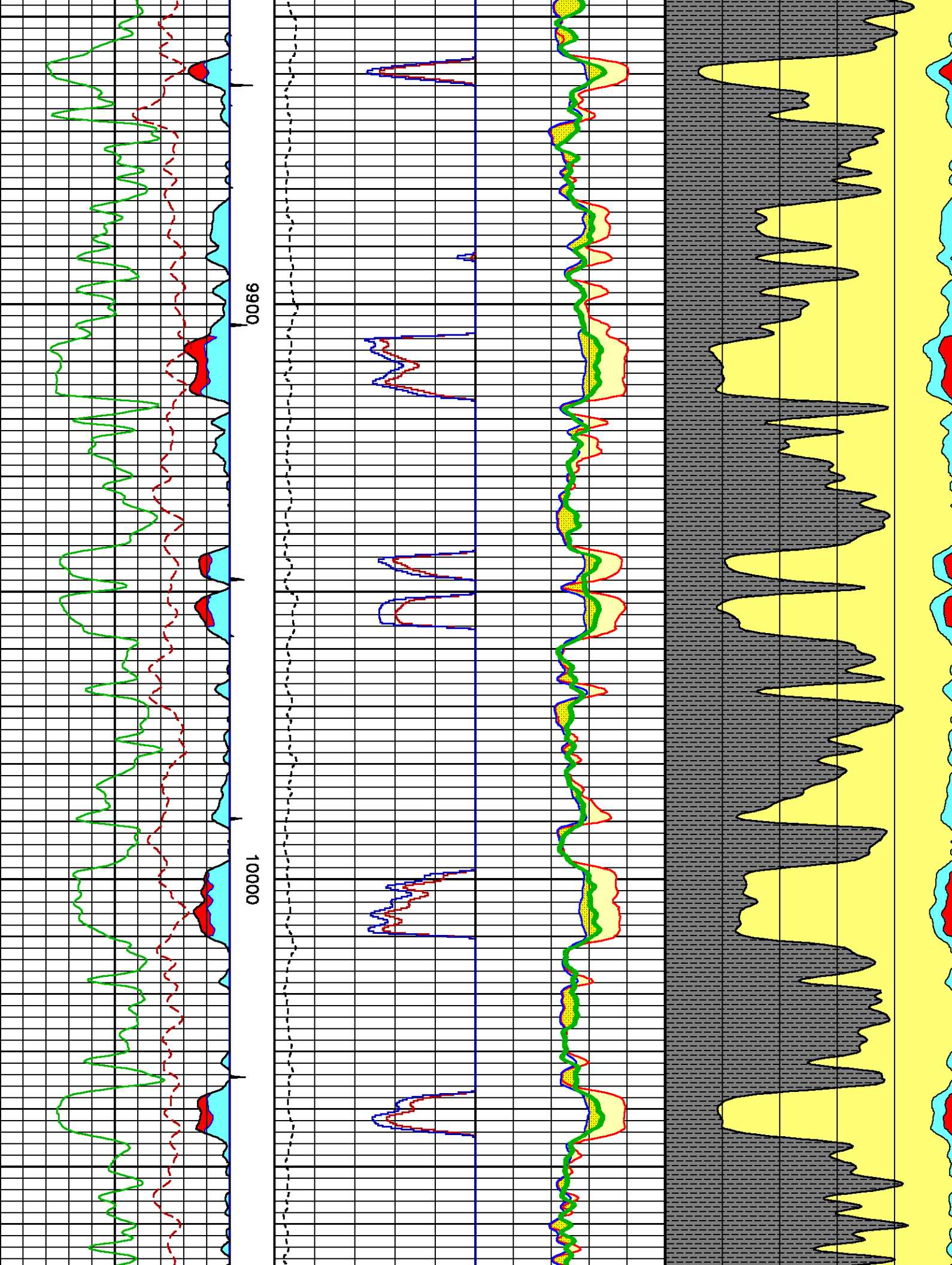


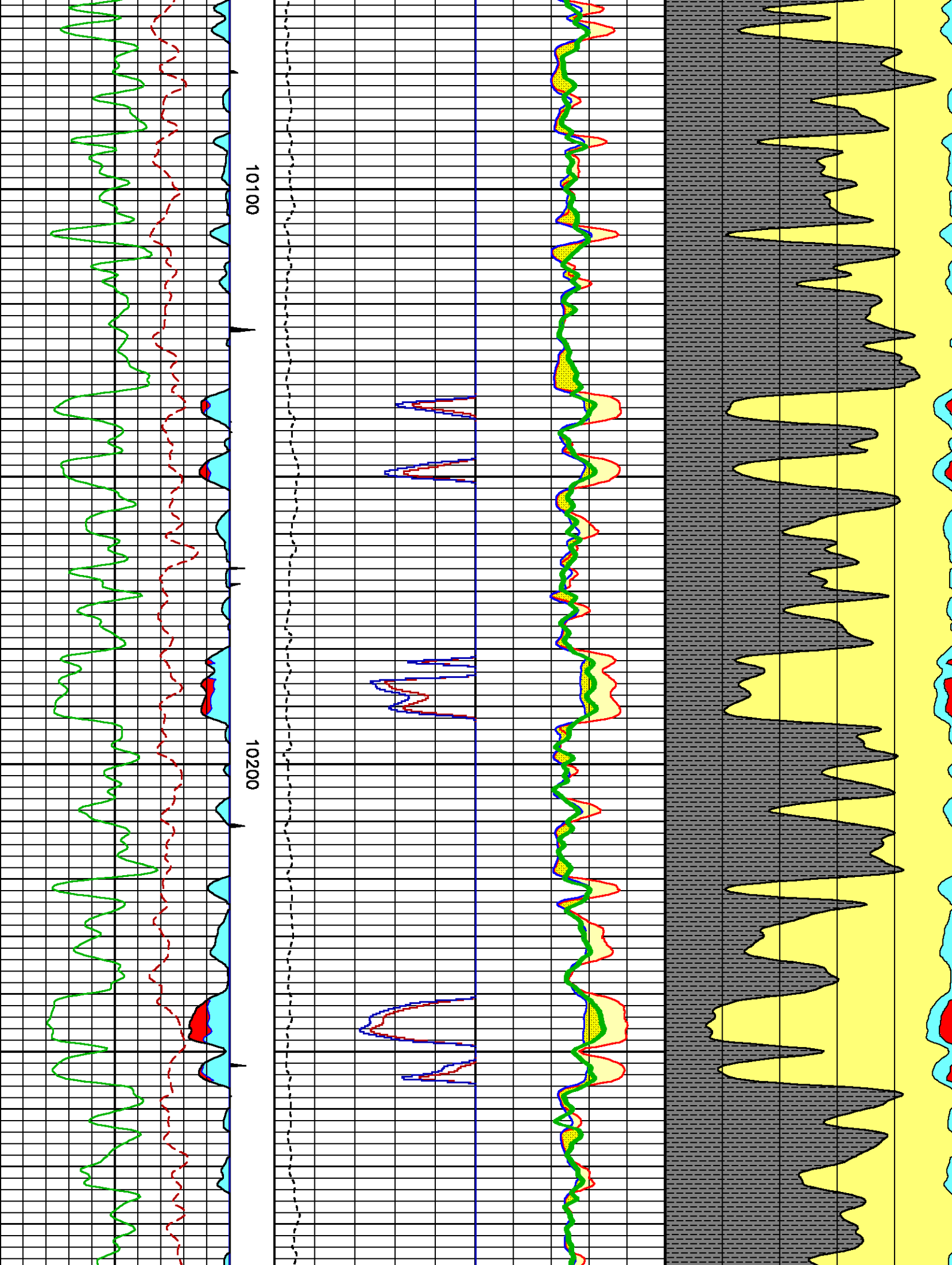


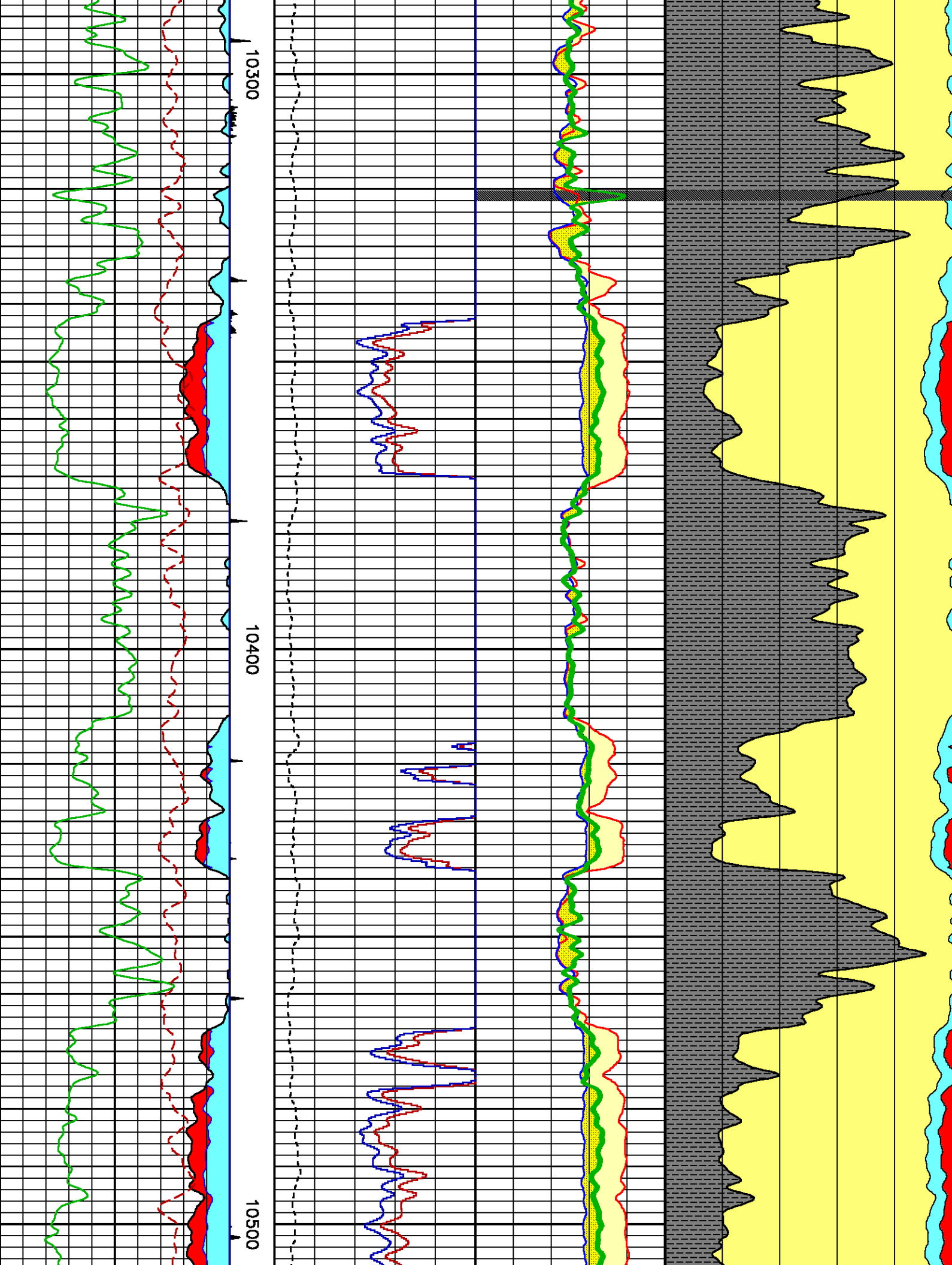


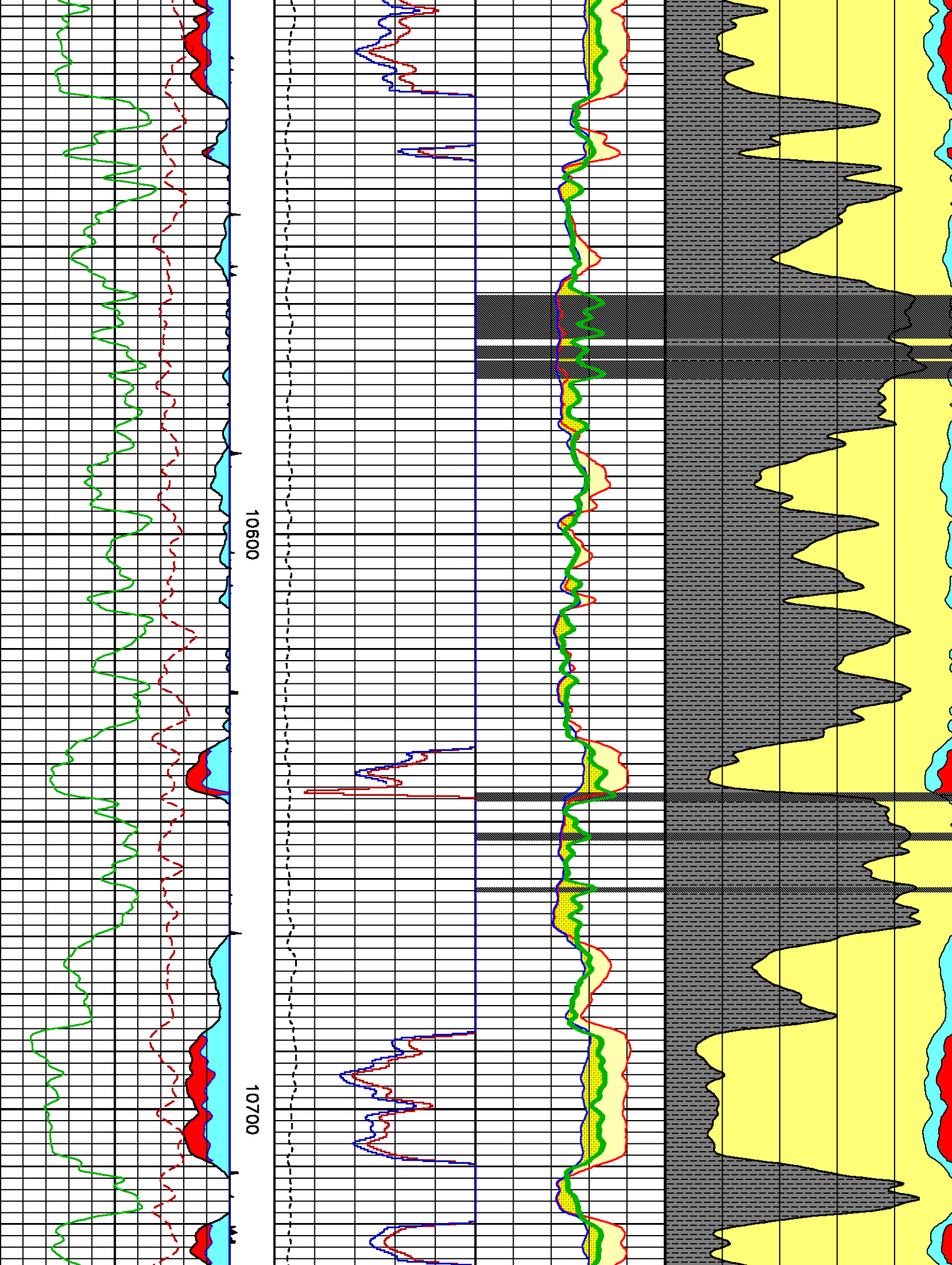


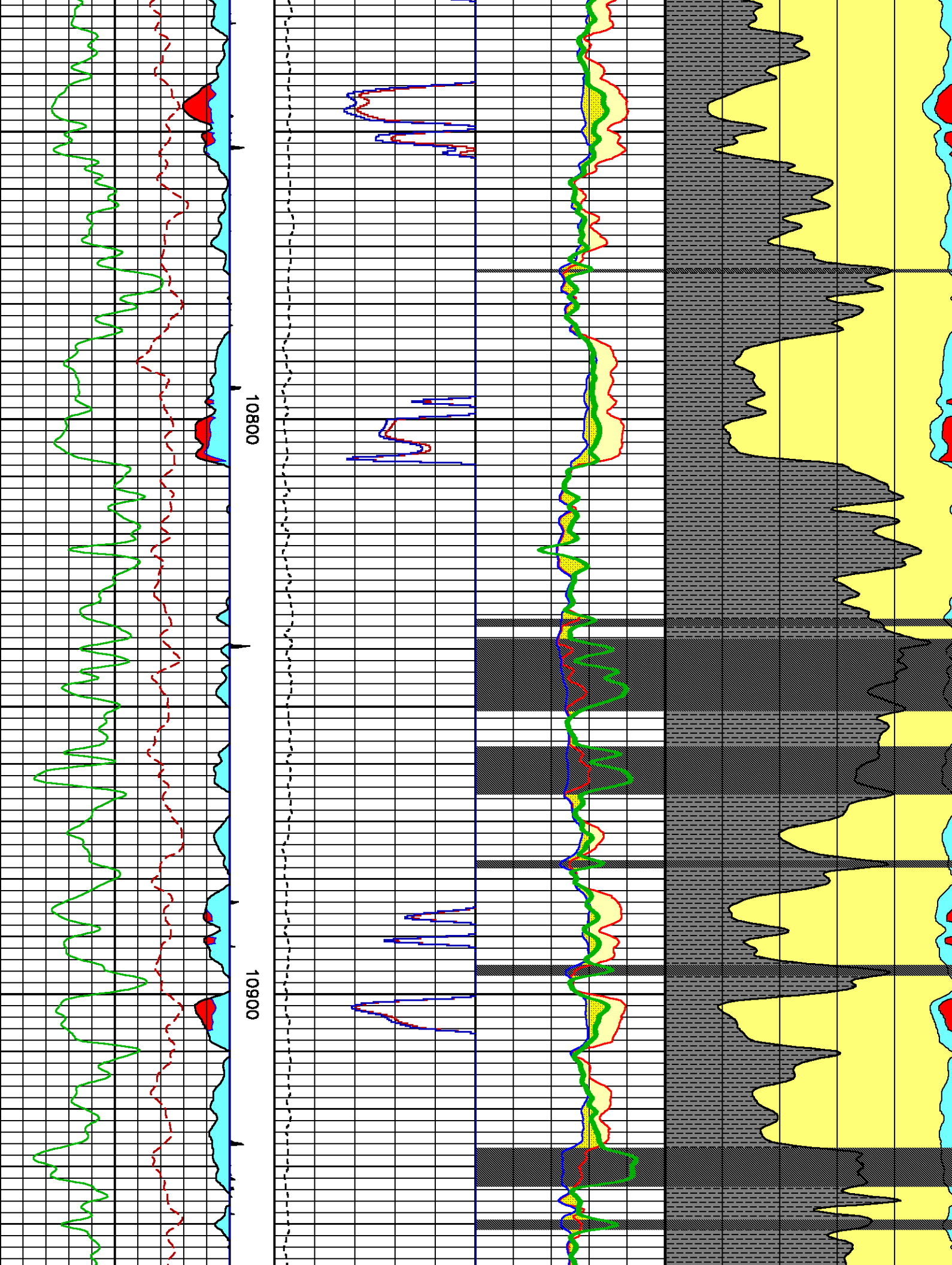


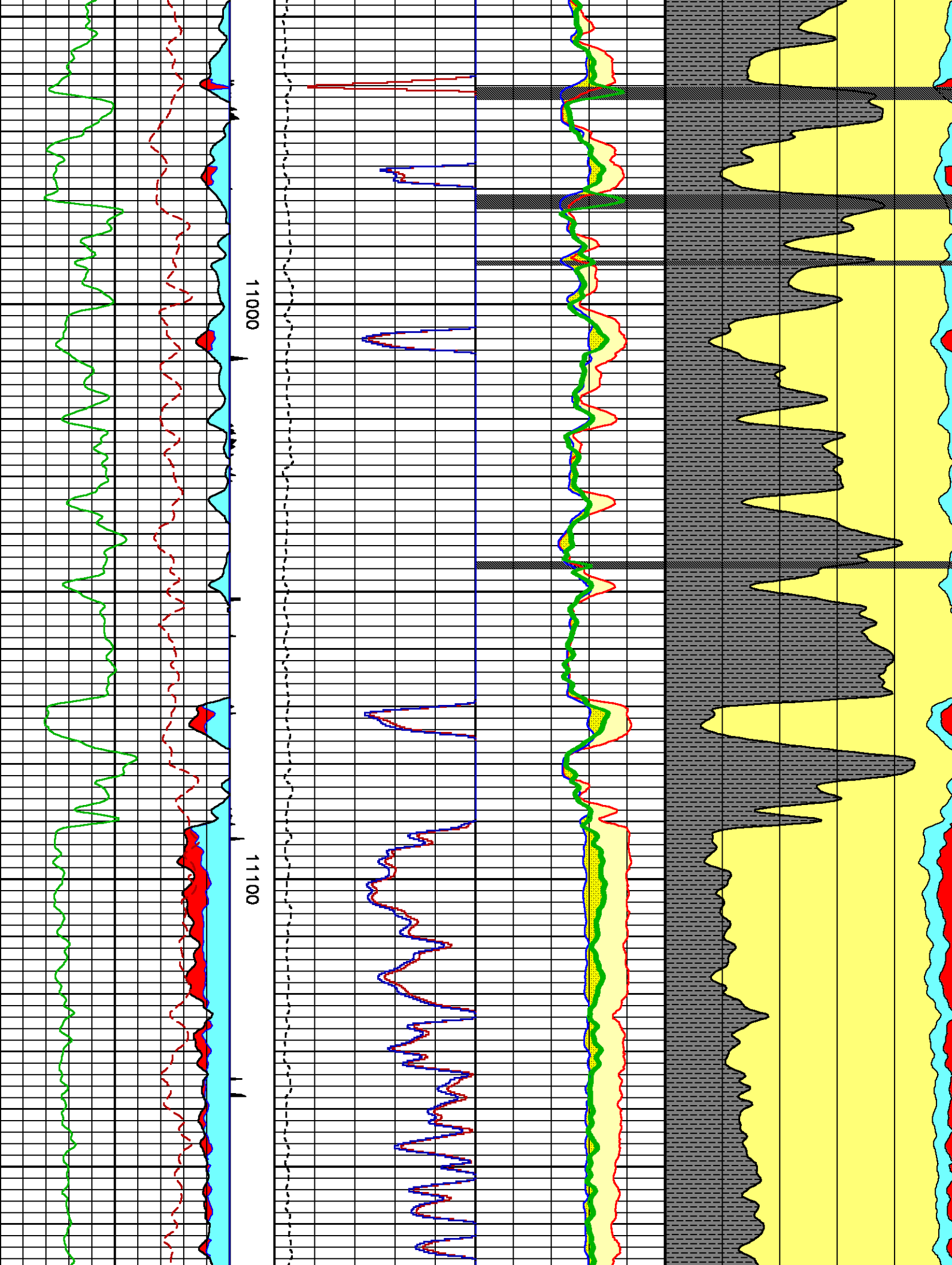


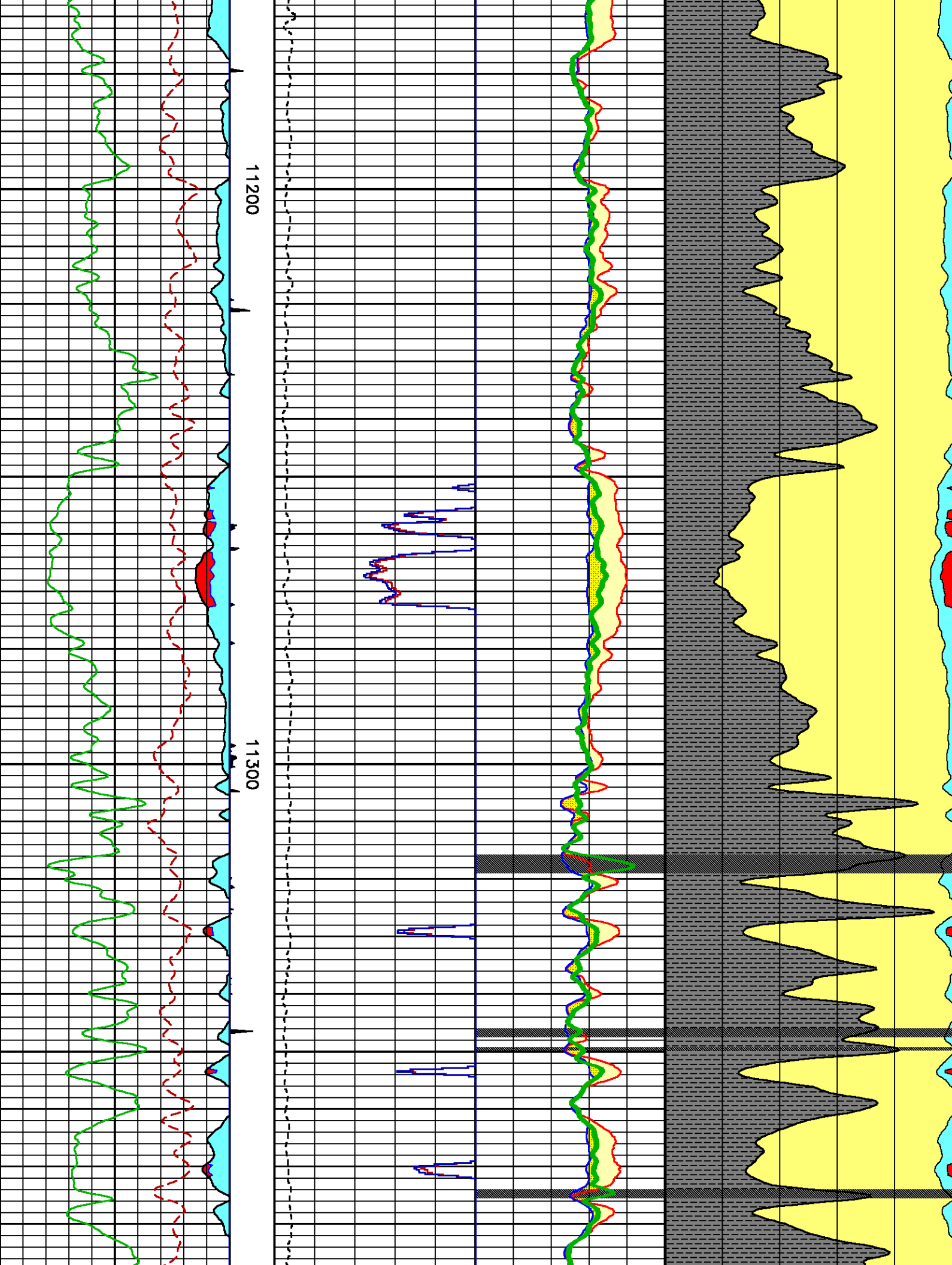


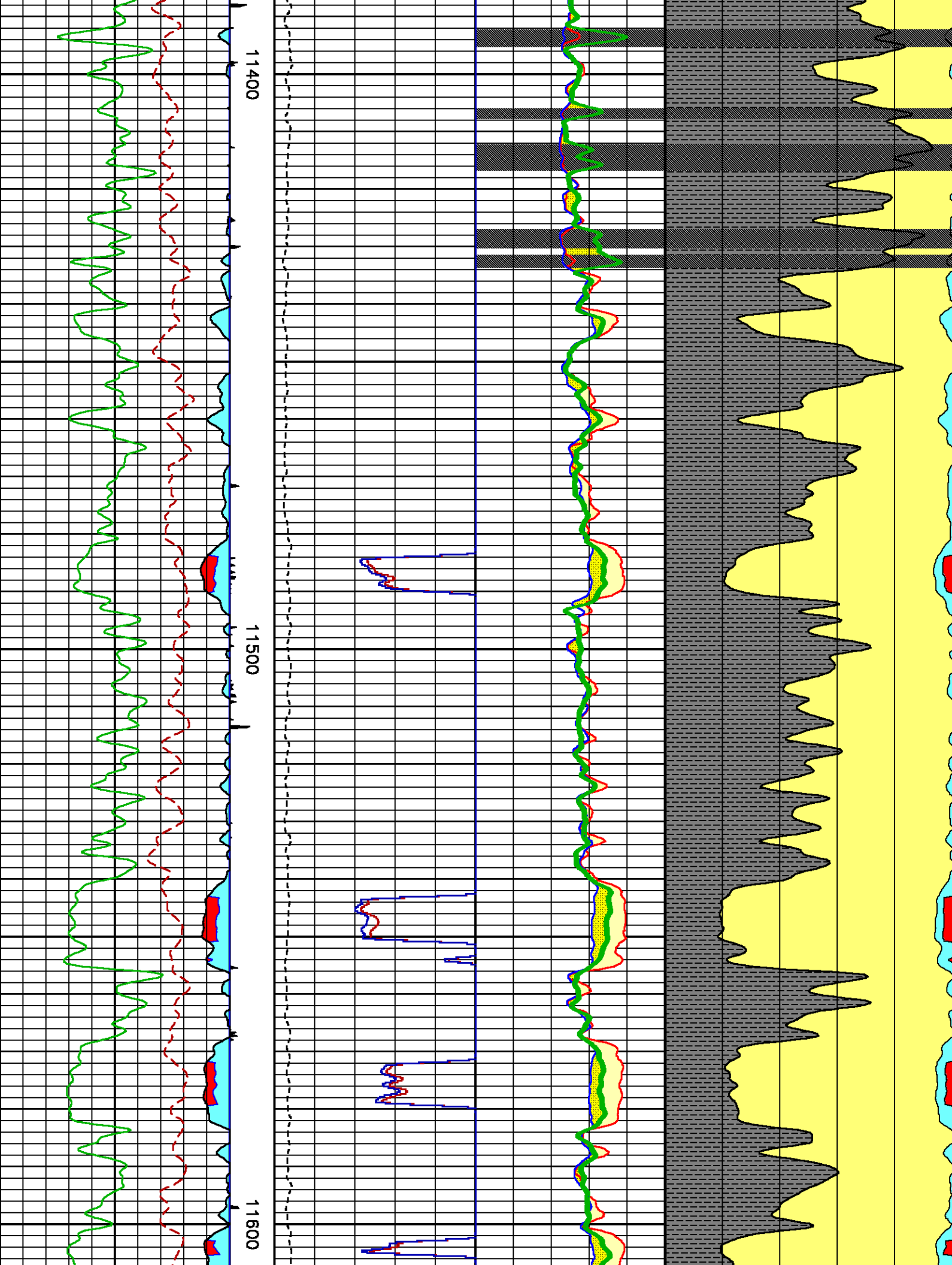


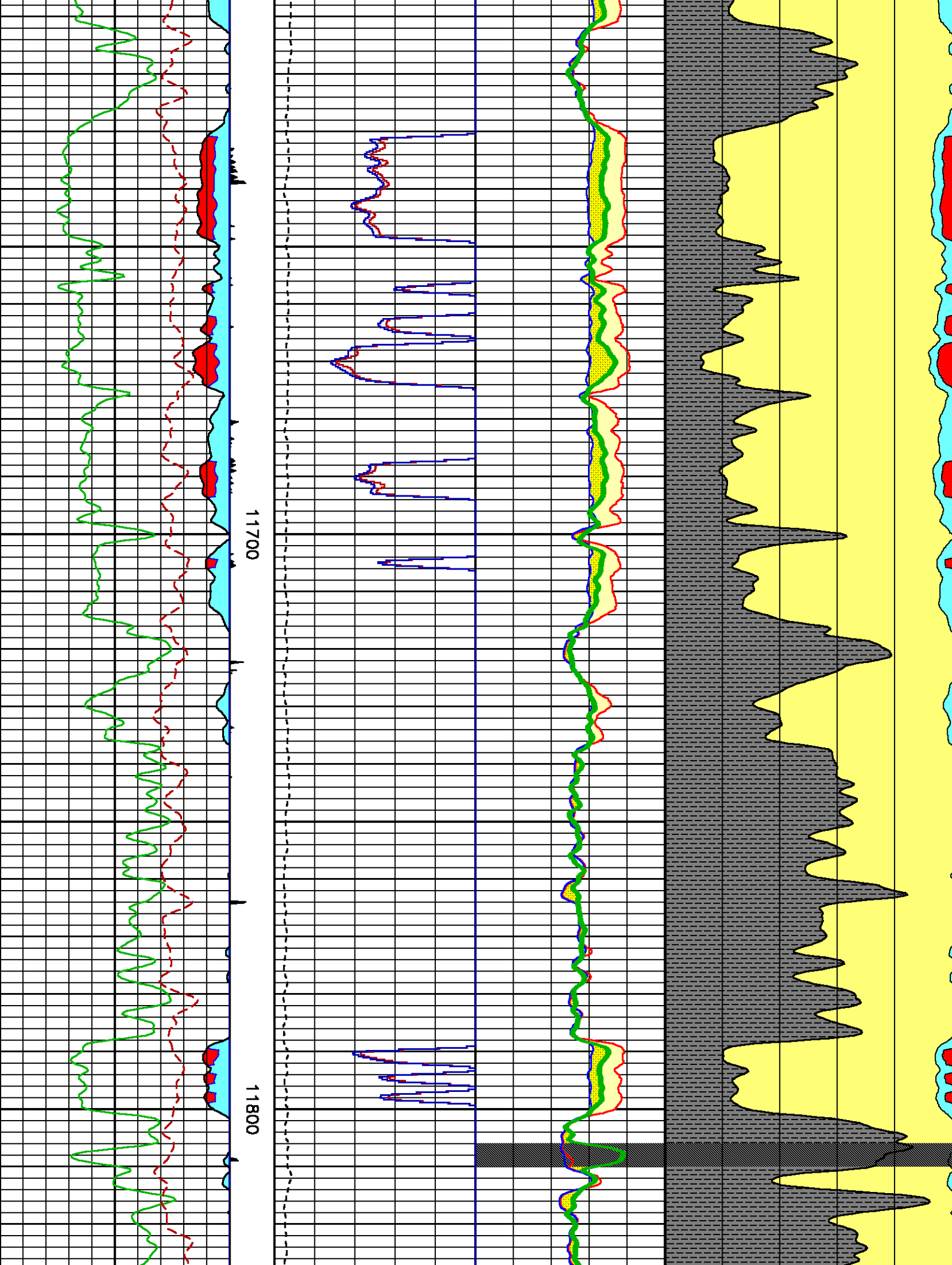


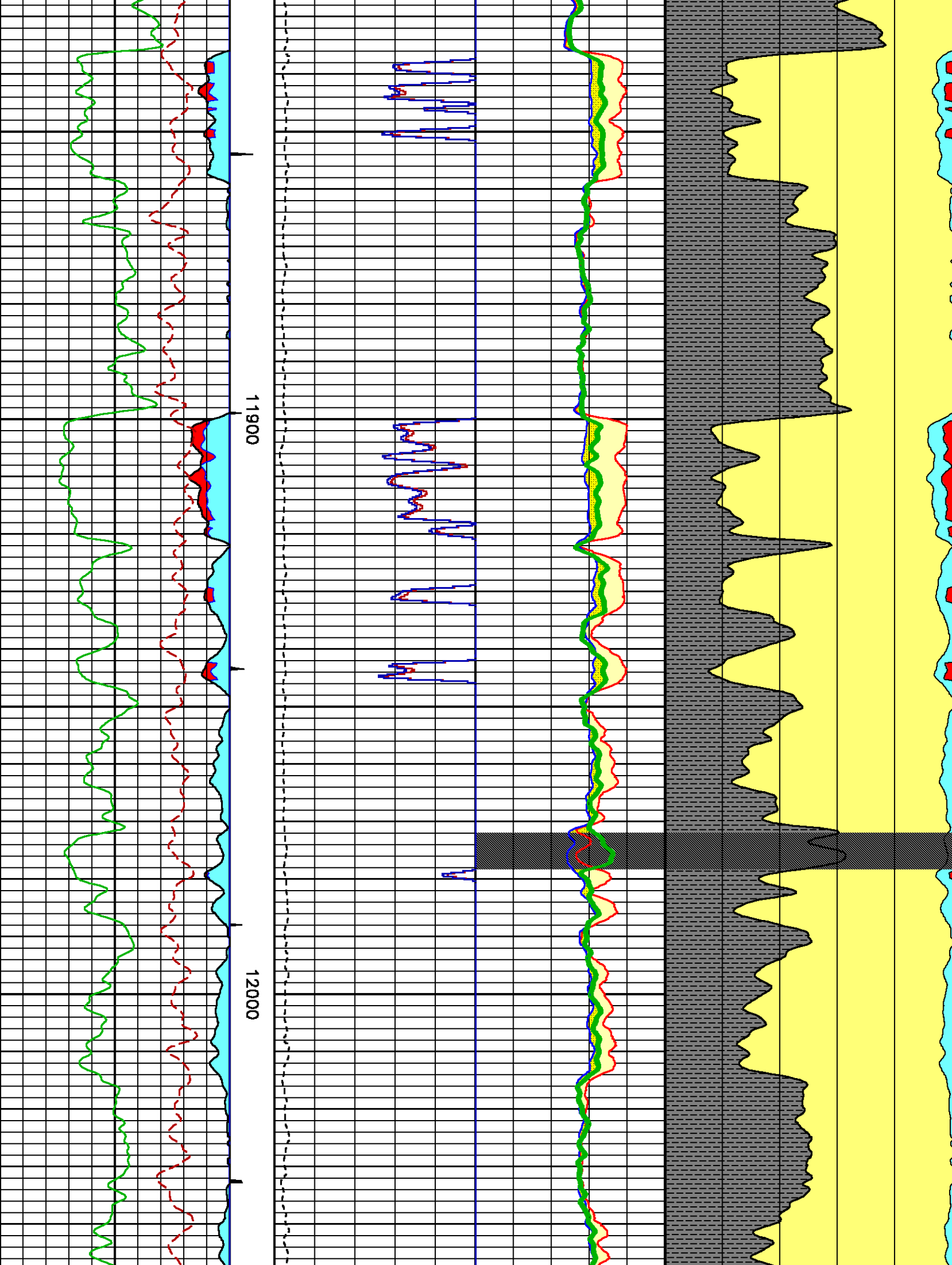


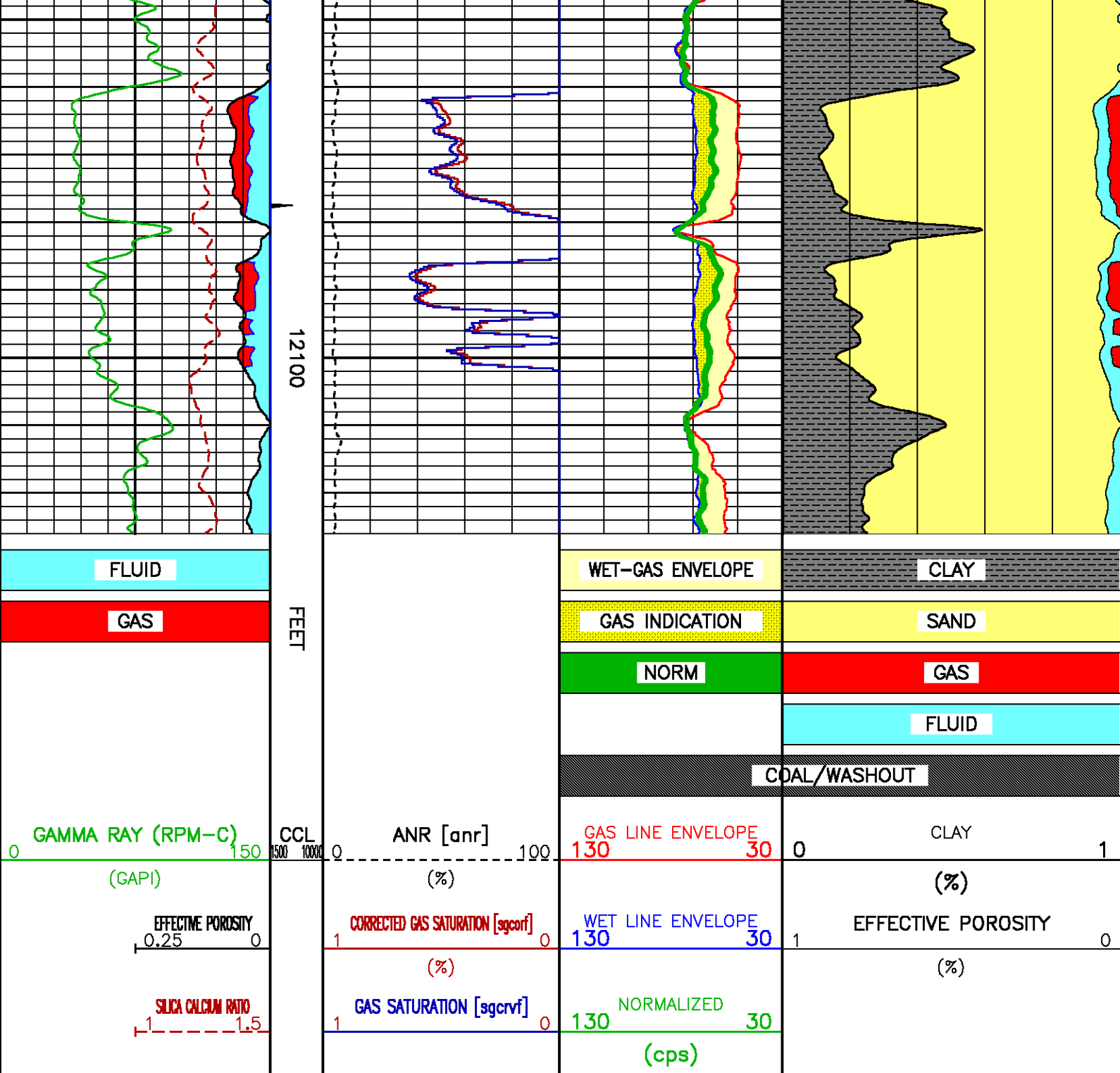












**BAKER
HUGHES**

COMPANY
WELL
FIELD
COUNTY

EXXONMOBIL PRODUCTION COMPANY
FRU 197-33A9
PICEANCE CREEK
RIO BLANCO

STATE COLORADO

FILE NO:

3395

API NO:

05-103-11400

LOCATION:

SHL: 860' FSL & 2356' FEL

ELEVATIONS:

KB 6417.4 FT

DF 6416.4 FT

GL 6388 FT

FSO: 569777
VERNAL, UTAH
OSTLER

SEC 33

TWP 1S

RGE 97W

DATE

28-APR-2010

Pulsed Neutron
Formation Evaluation

