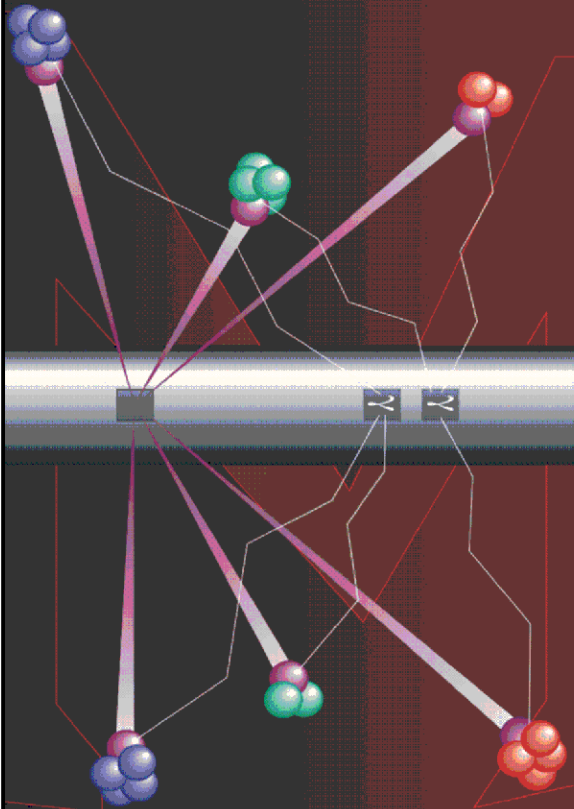


Pulsed Neutron Formation Evaluation



RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL BRUTON 19-03W

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS

SEC 19 TWP 9S RGE 93W

ELEVATIONS:

KB 7286 FT DF 7286 FT GL 7262 FT

DATE 3-NOV-2017 ECC 29128.01

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE 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>NEO</u>
	CENTER: <u>HOUSTON</u>	LOG ANALYST: <u>KIMBERLY ELLSWORTH</u>	DATE: <u>3-NOV-2017</u>
FIELD DATA	LOCATION: <u>WOODWARD</u>	ENGINEER: <u>S. YASSA</u>	DATE: <u>28-OCT-2017</u>
FROM	TO		
<u>2153 FT</u>	<u>7773 FT</u>		

REMARKS

LOCATION: SHL: LAT: 39.262847N LONG: 107.815145W
BHL: LAT: 39.267838N LONG: 107.816209W

TRAINING WELL:
BRUTON 19-07W

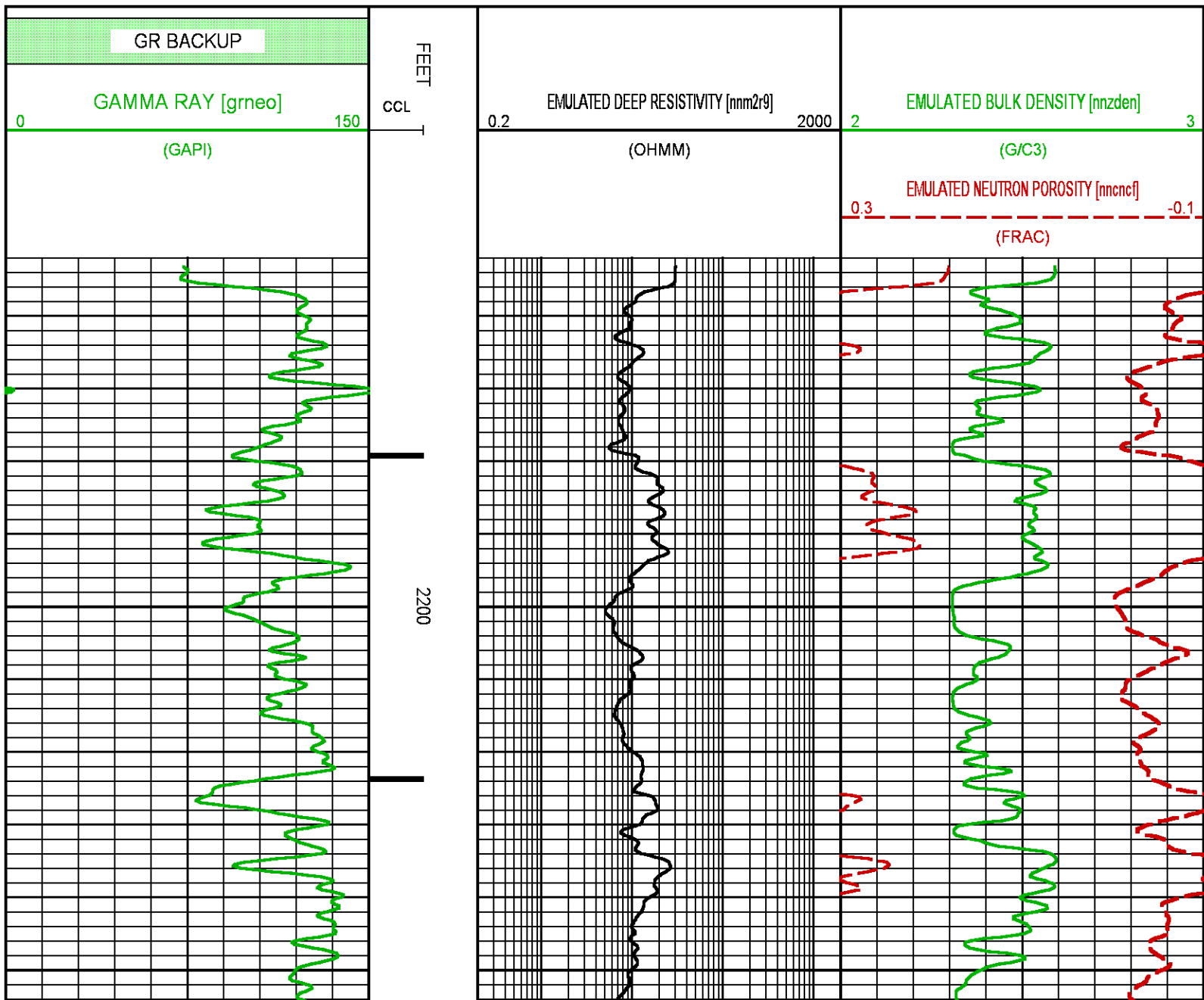
ANY ERRORS IN THE TRAINING WELL OPENHOLE DATA CAN PERETUATE THROUGH AS ERROR IN THE EMULATED RESULTS

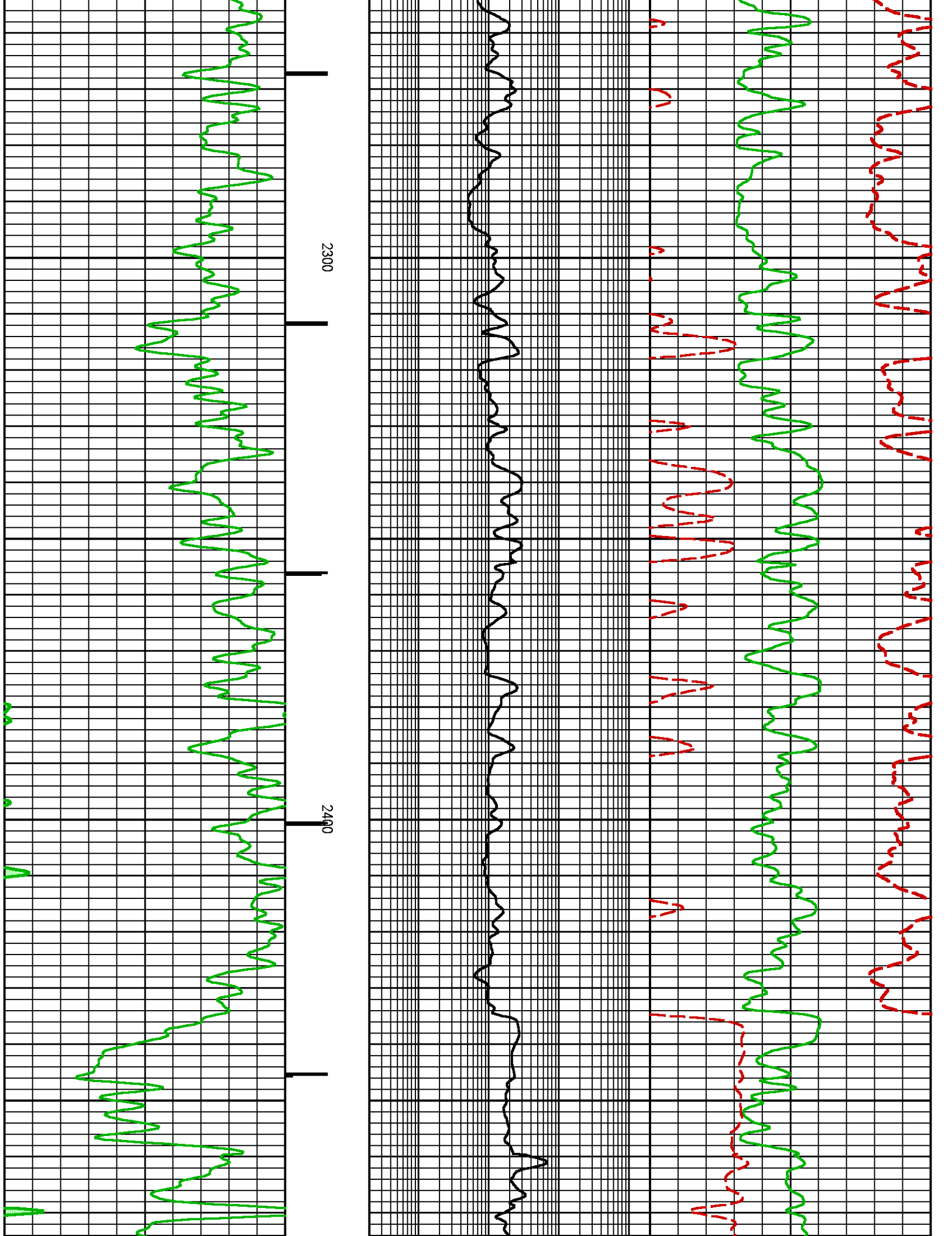
BOND LOG IS DEPTH REFERENCE LOG

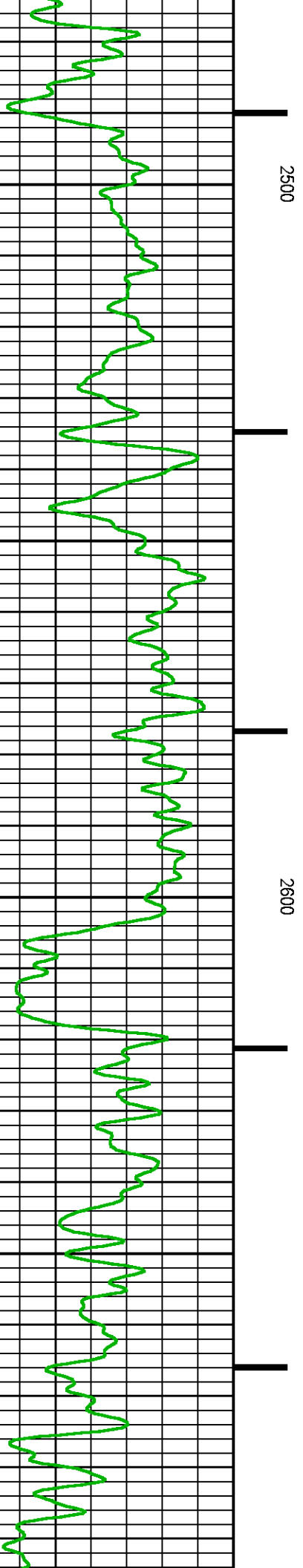
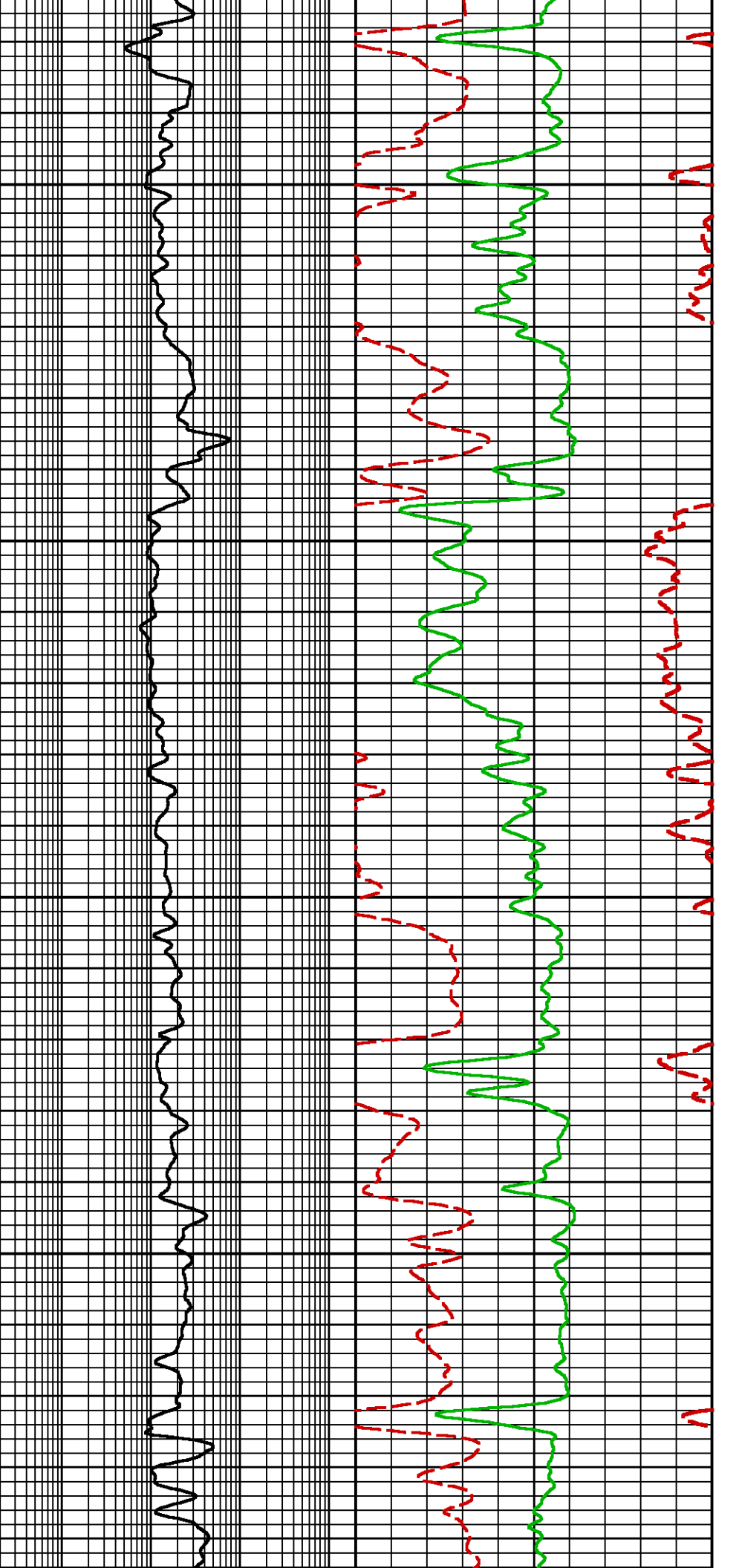
NEO RESULTS FOR BRUTON 19-03W (G-SAND)

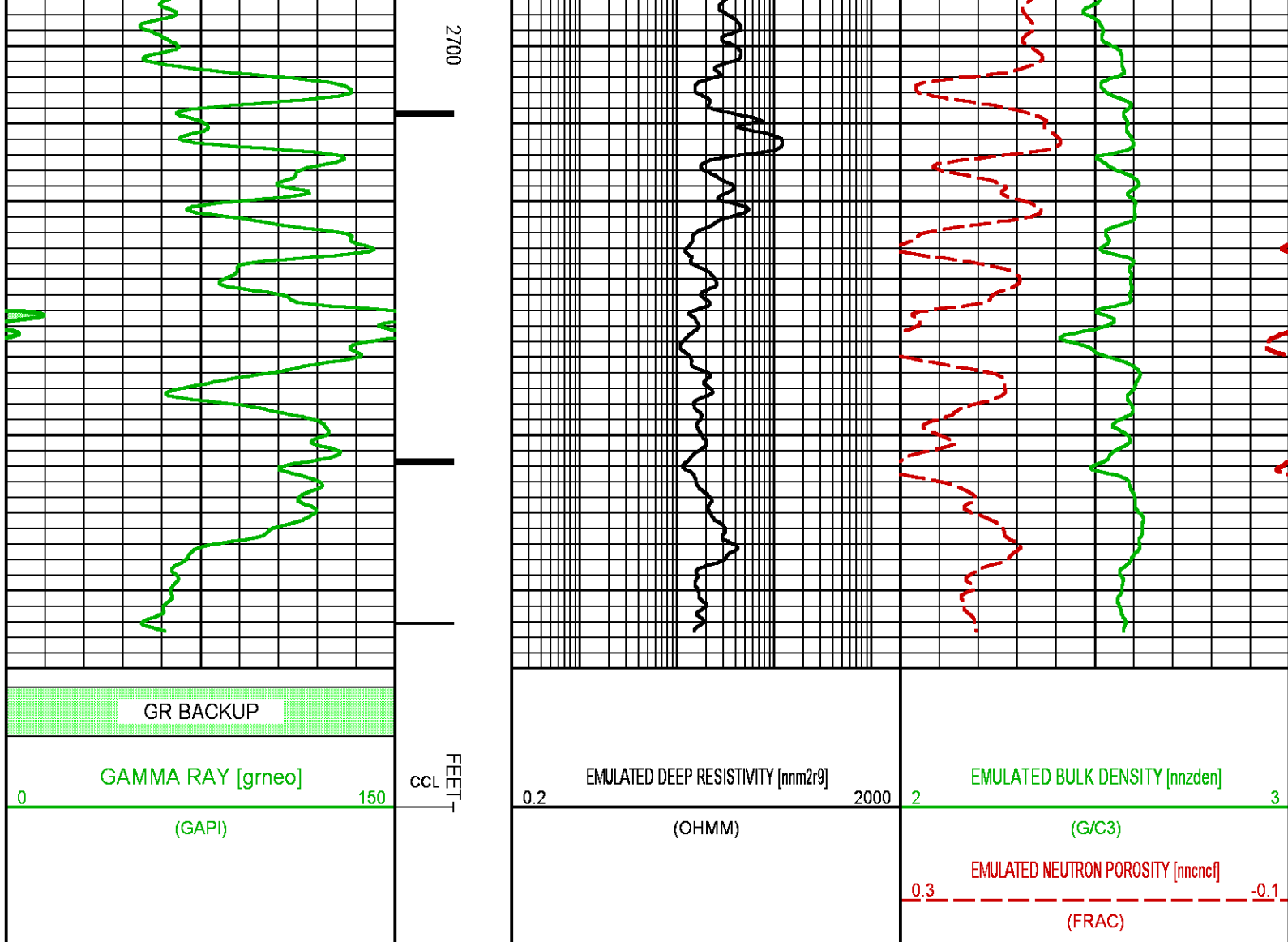
Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_19_03w\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2153.25 - 2780 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_19_03w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY II LLC
Well : BRUTON 19-03W
Field : VEGA
File Interval : 2153.25 - 7773.25 Feet
OCT : NA



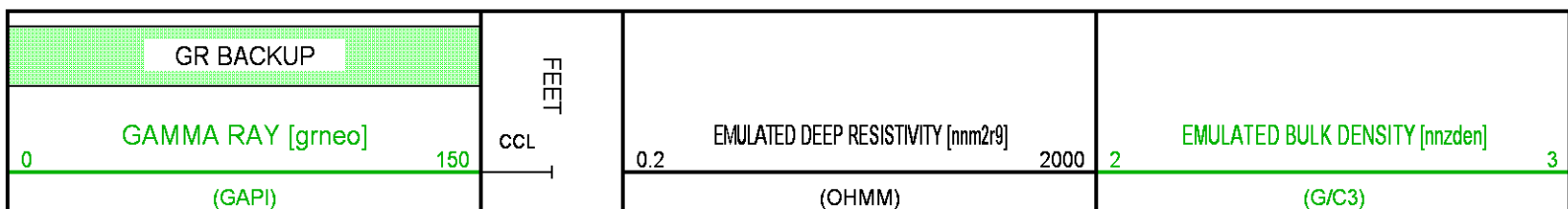






NEO RESULTS FOR BRUTON 19-03W (MAIN)

Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape Projects\laramie_bruton_19_03w\ NEO PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval : 4125 - 7773.25 Feet
Data File 1 : F1 : BHI3BKZH12:C:\Ape Projects\laramie_bruton_19_03w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY II LLC
Well : BRUTON 19-03W
Field : VEGA
File Interval : 2153.25 - 7773.25 Feet
OCT : NA



EMULATED NEUTRON POROSITY [nmcncf]

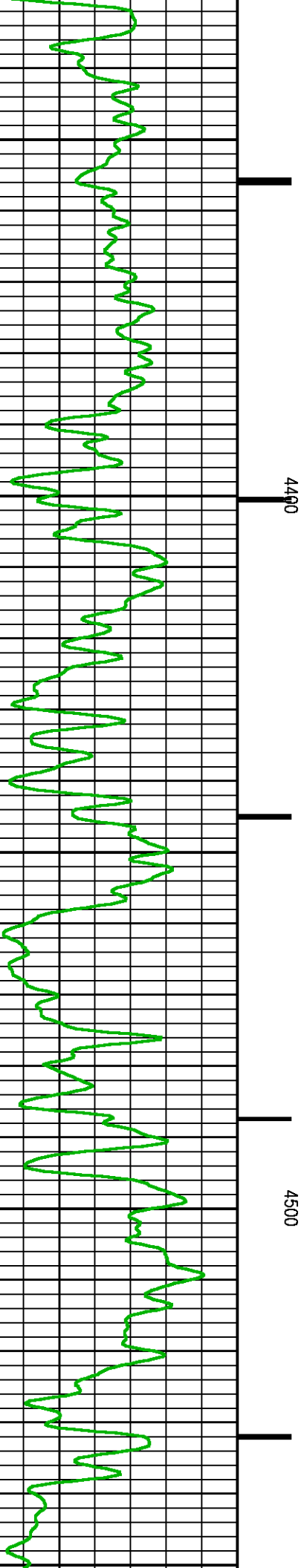
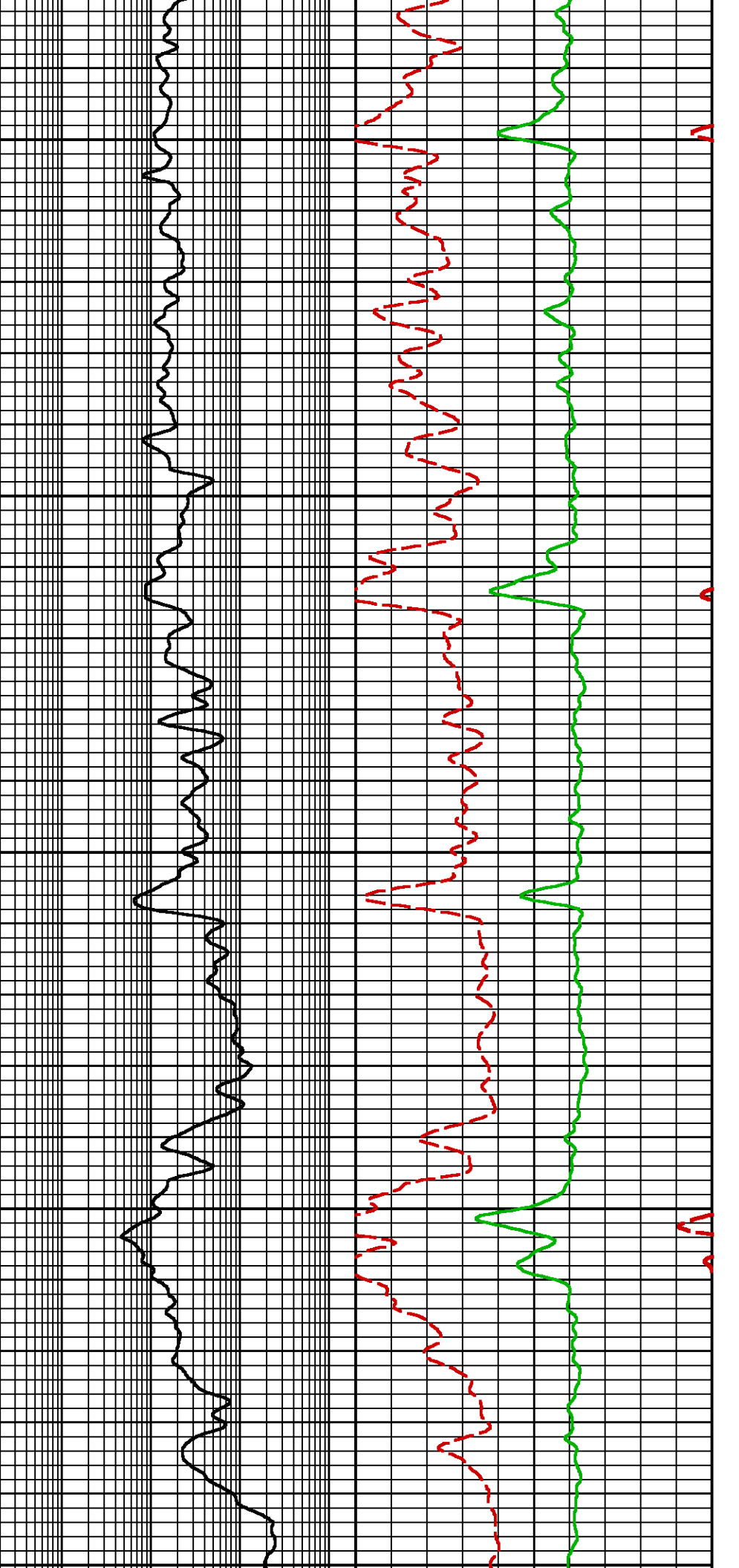
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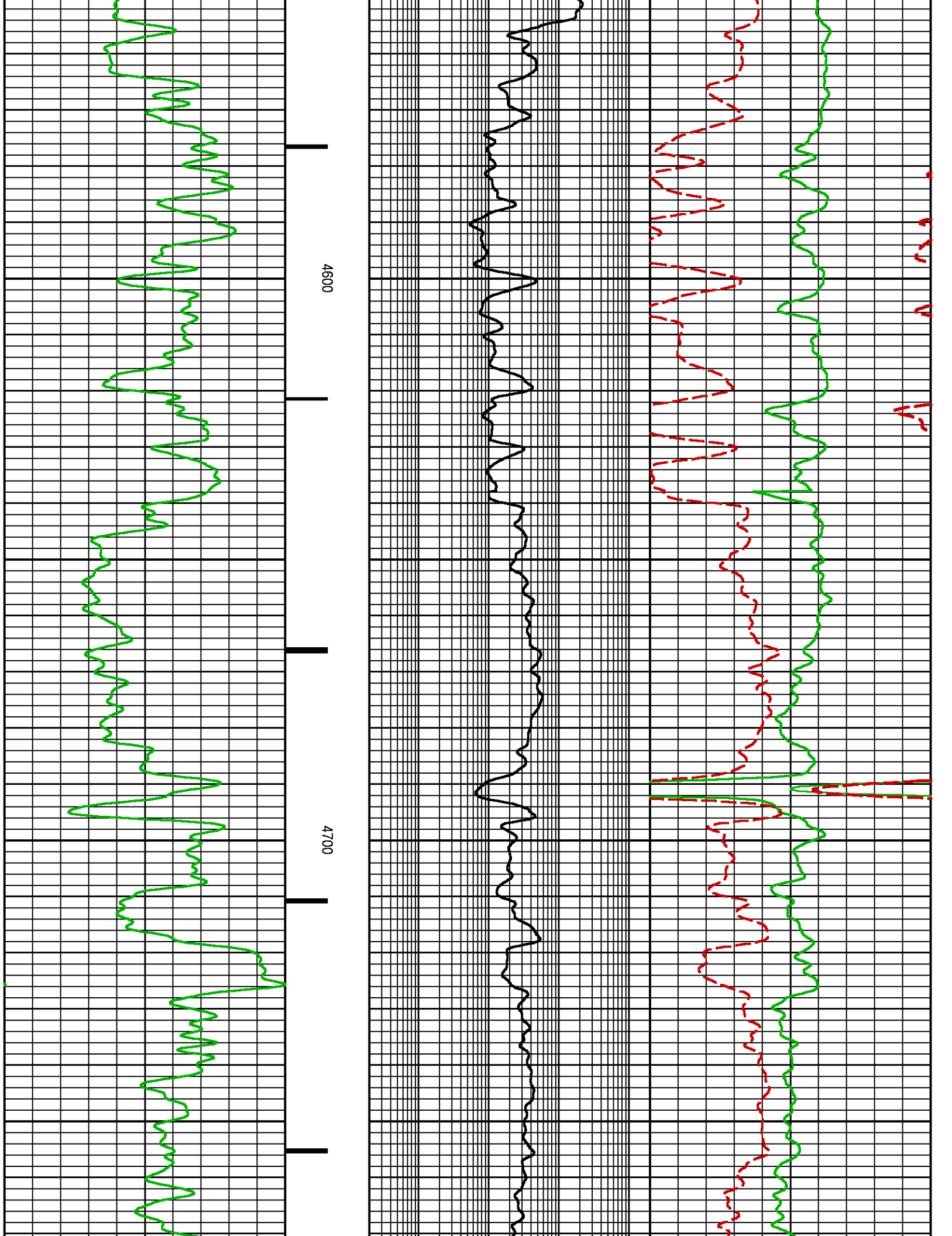
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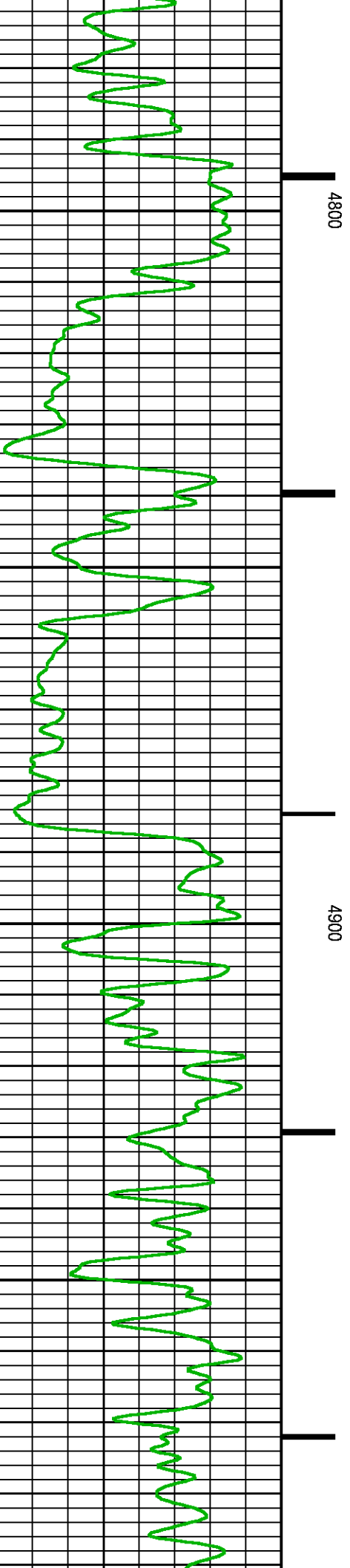
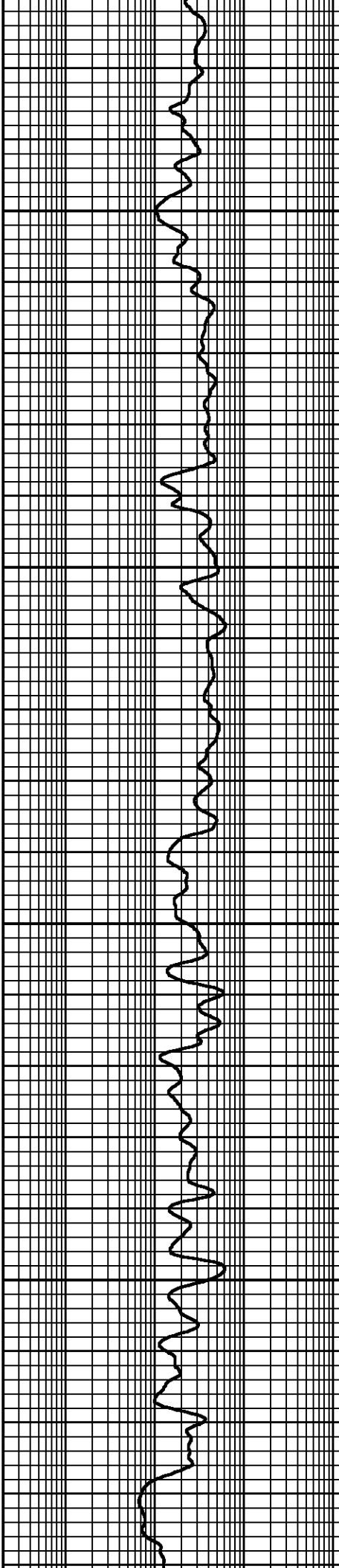
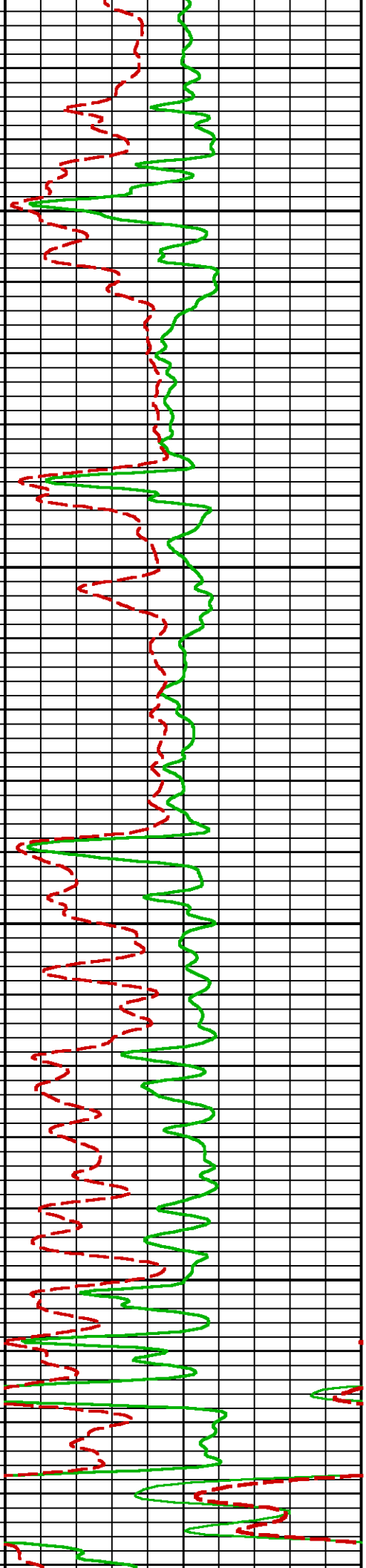
(FRAC)

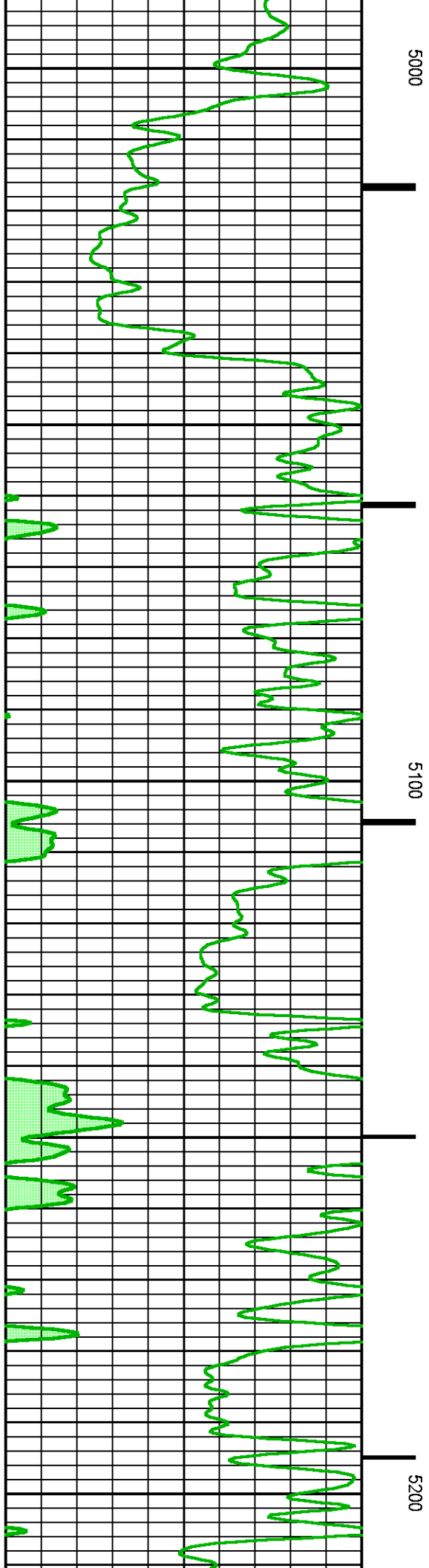
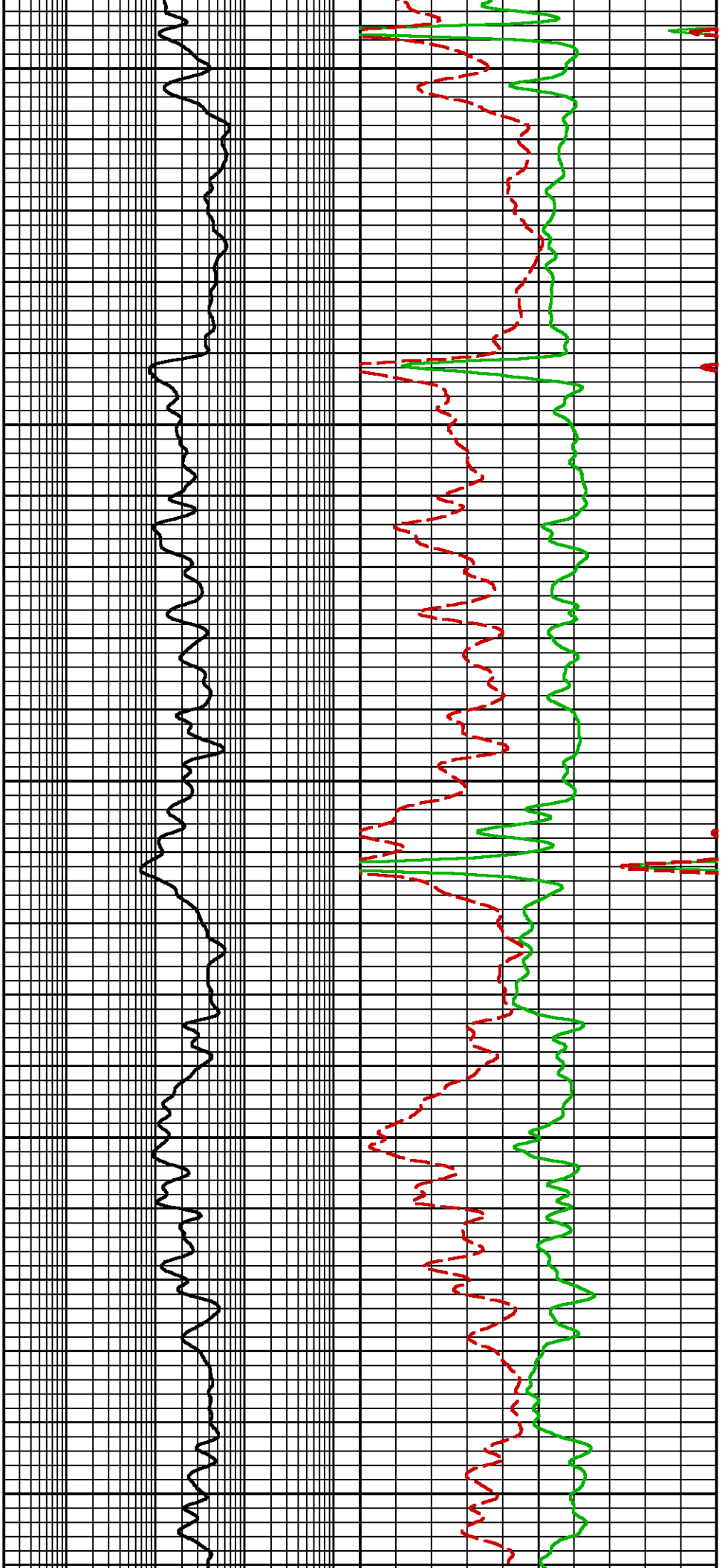
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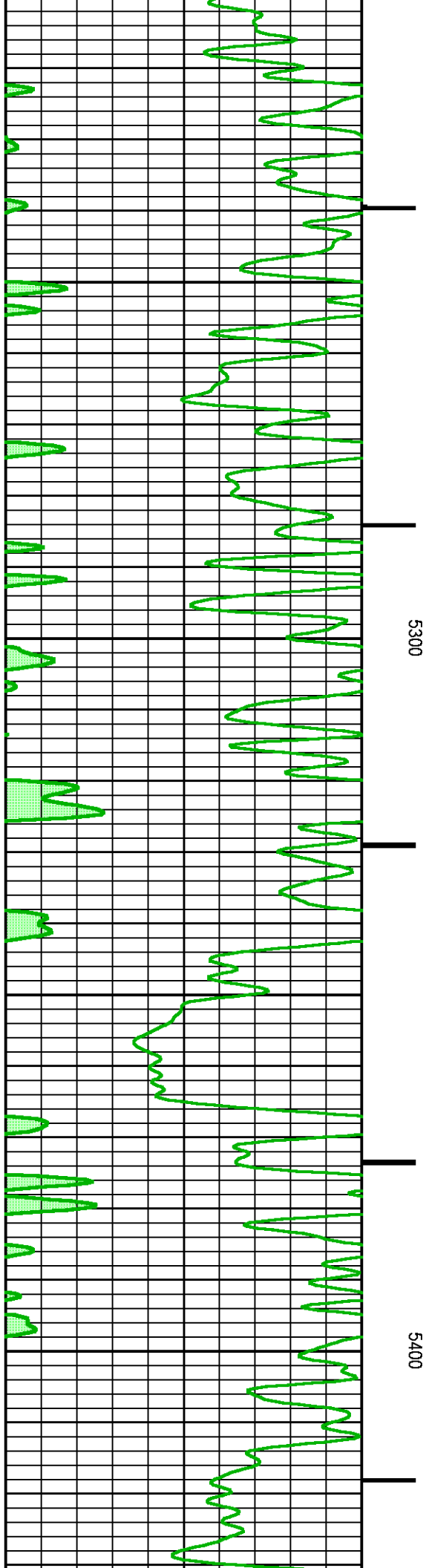
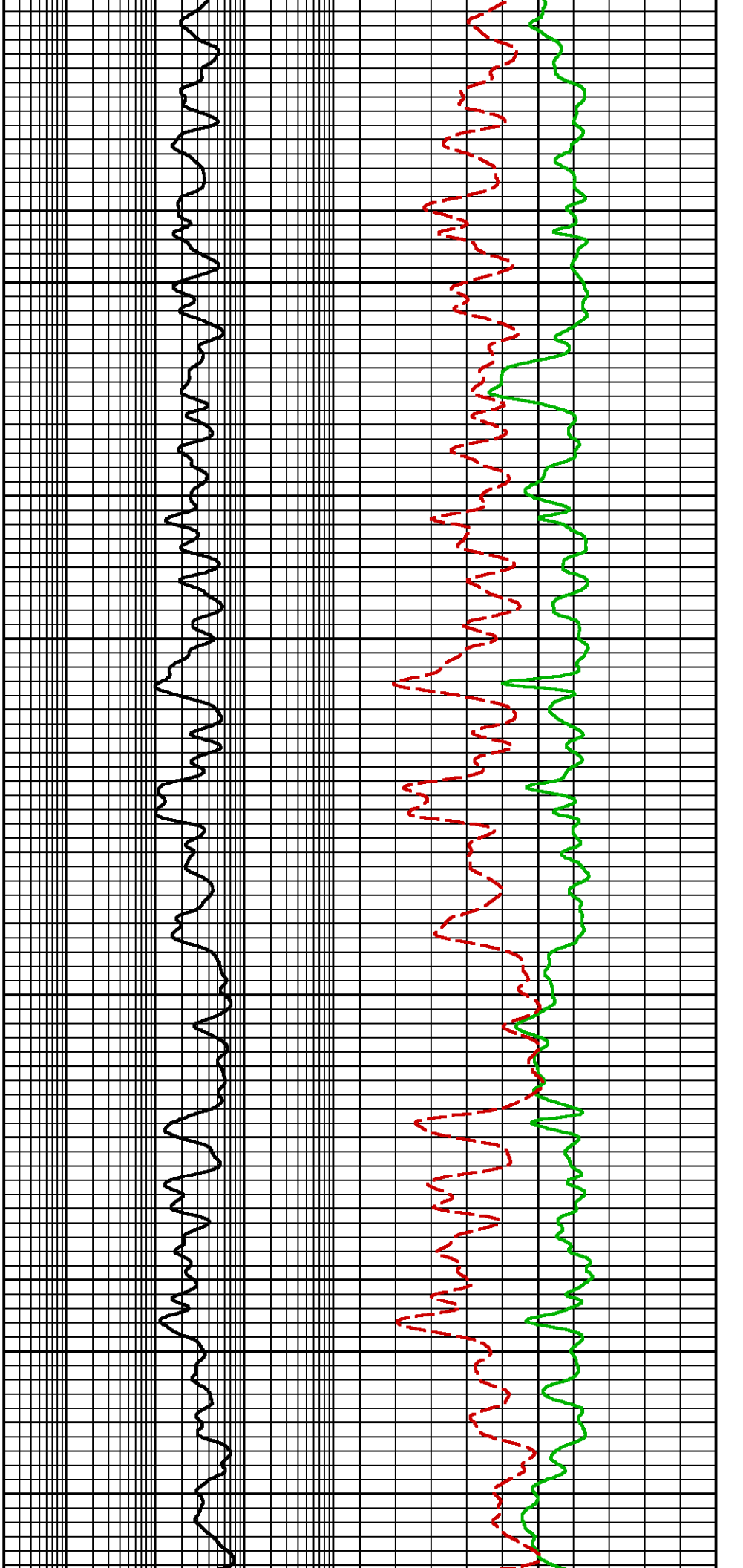
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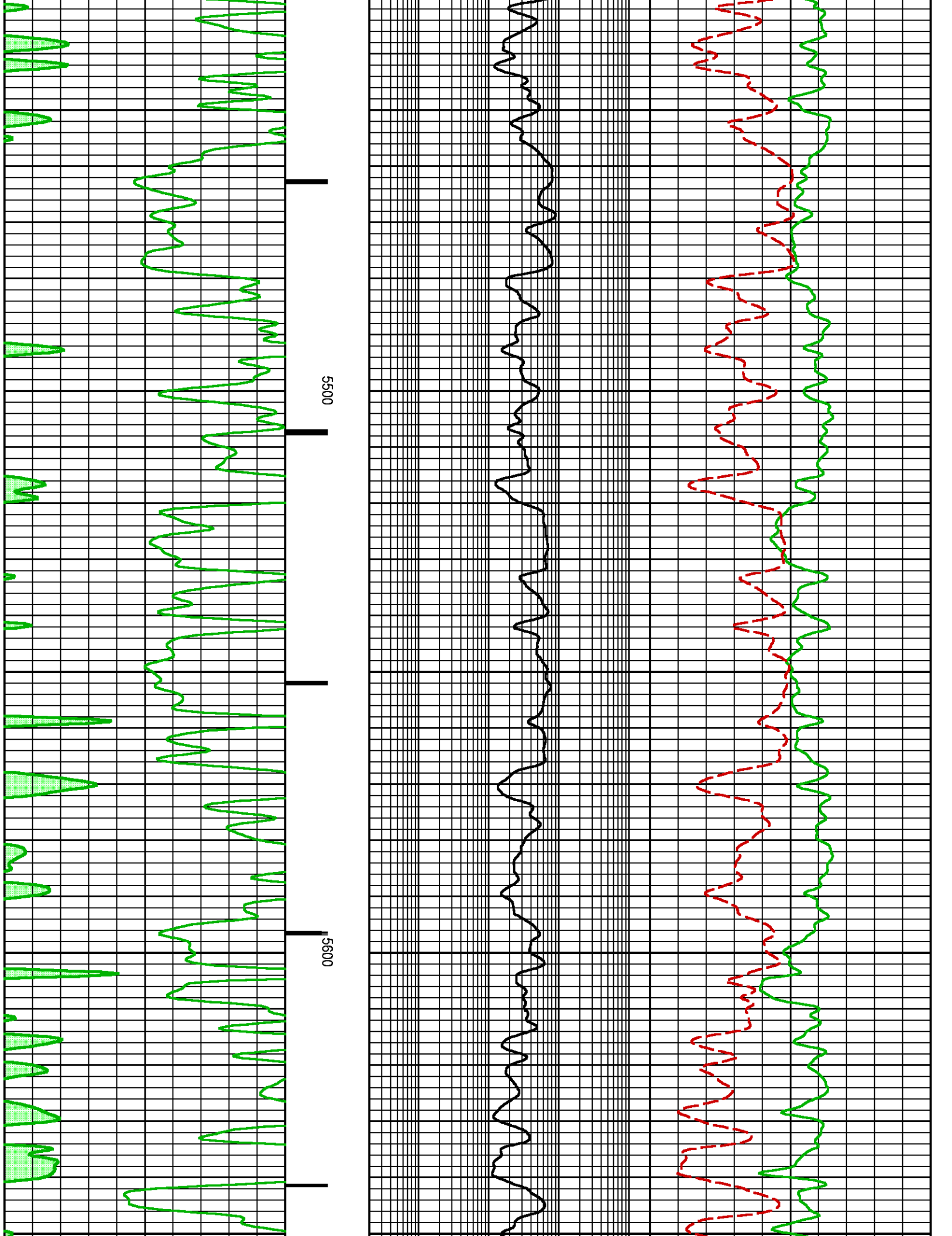


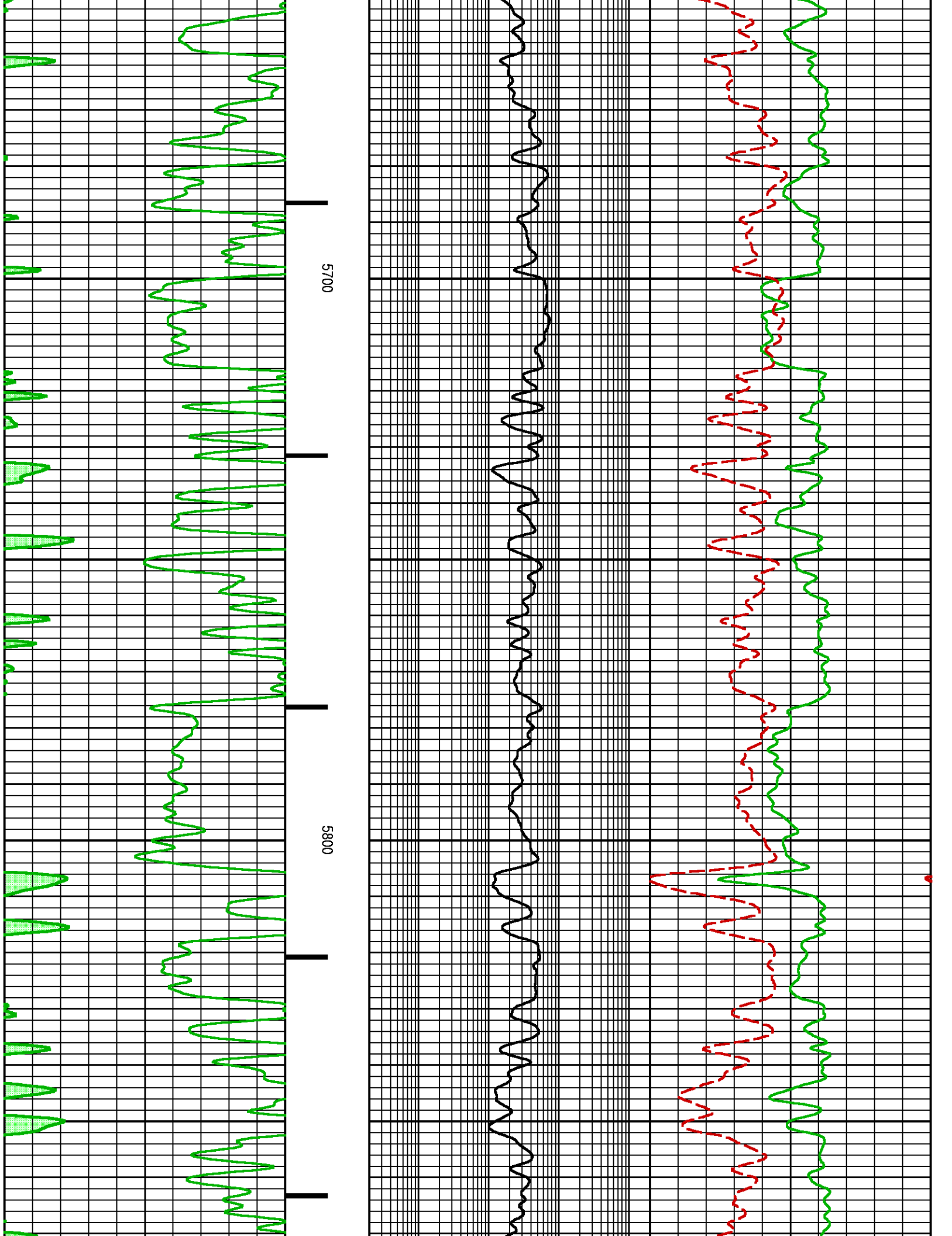


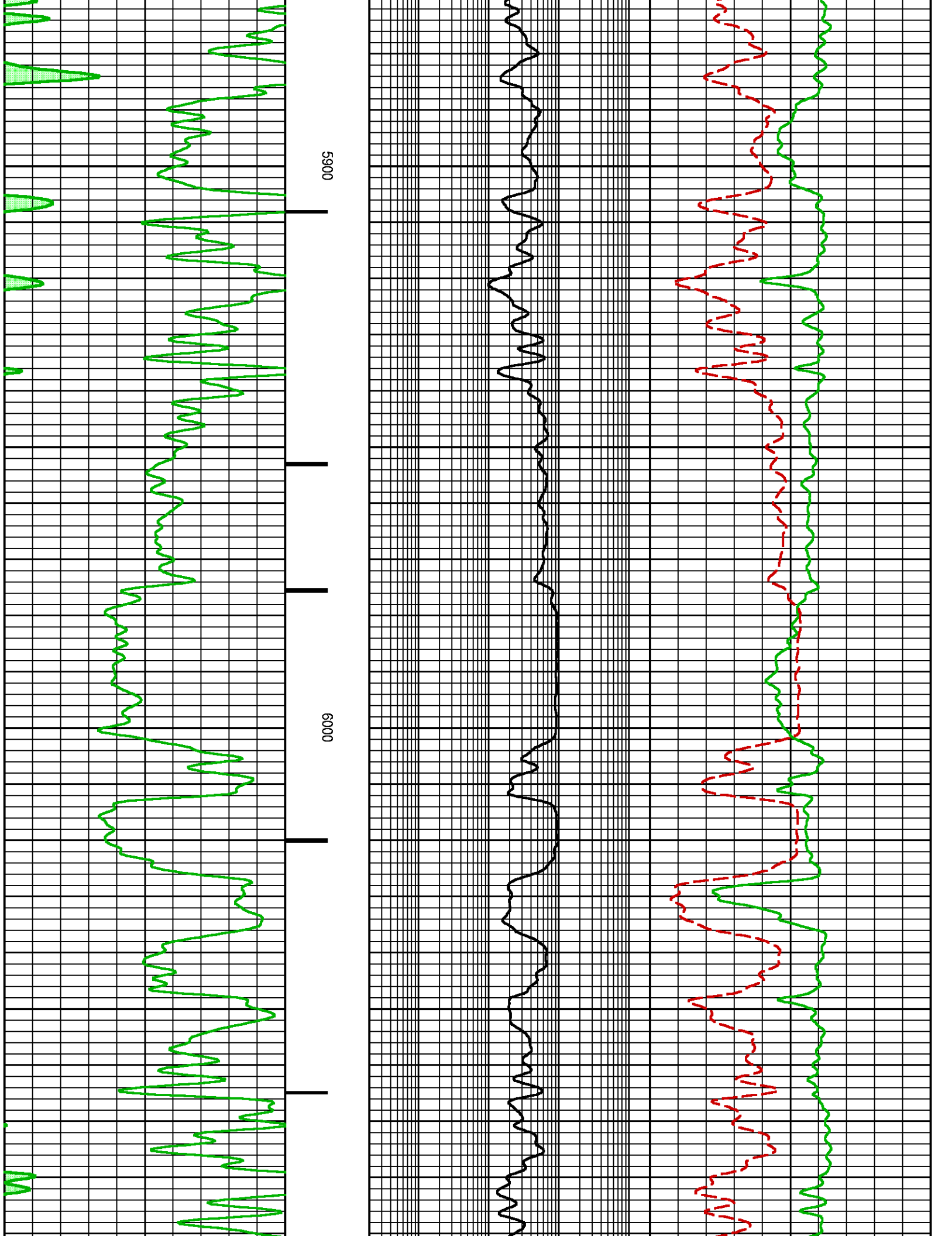


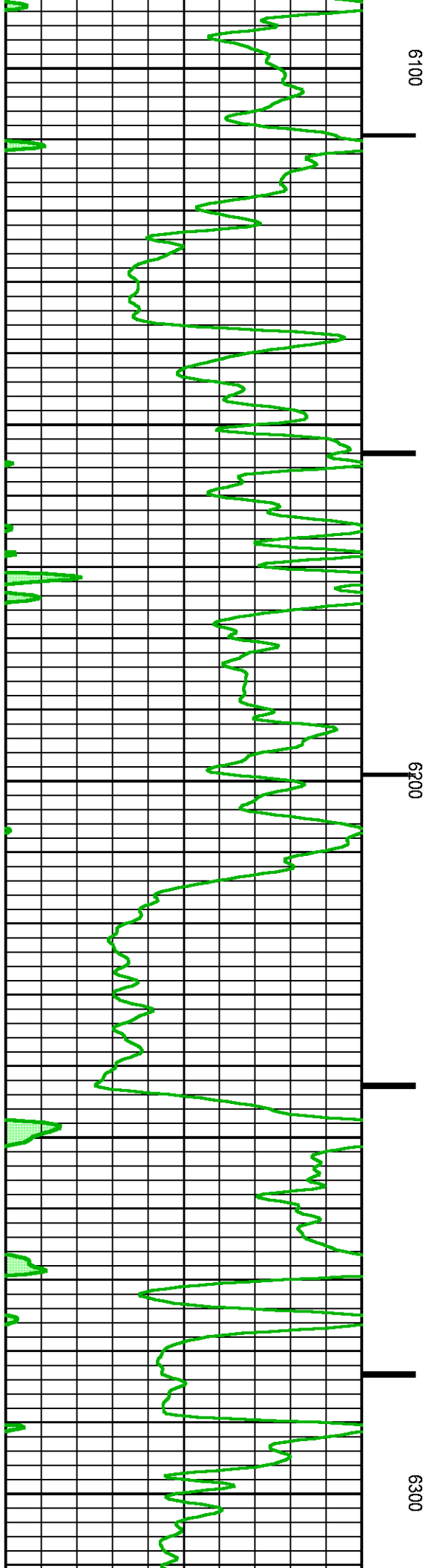
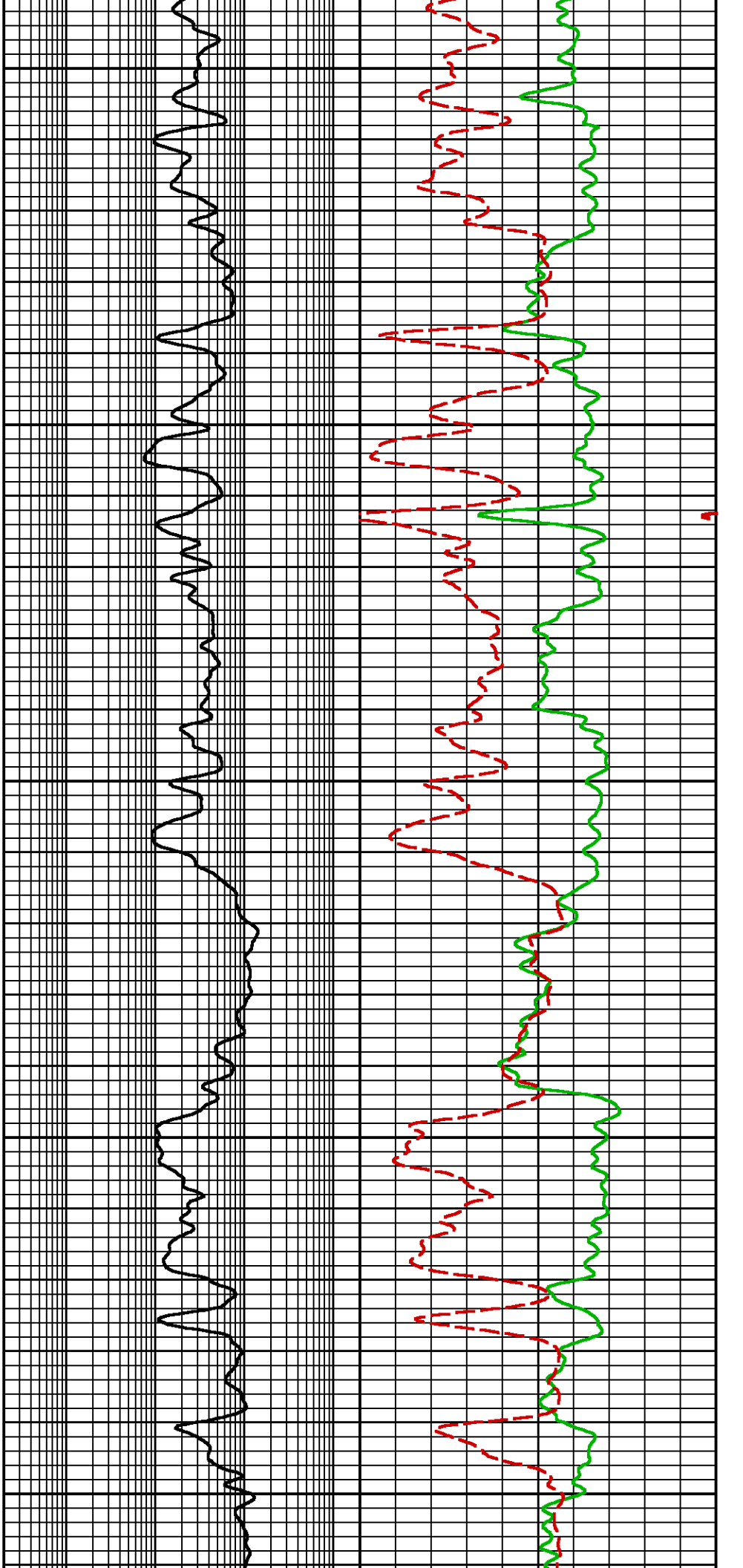


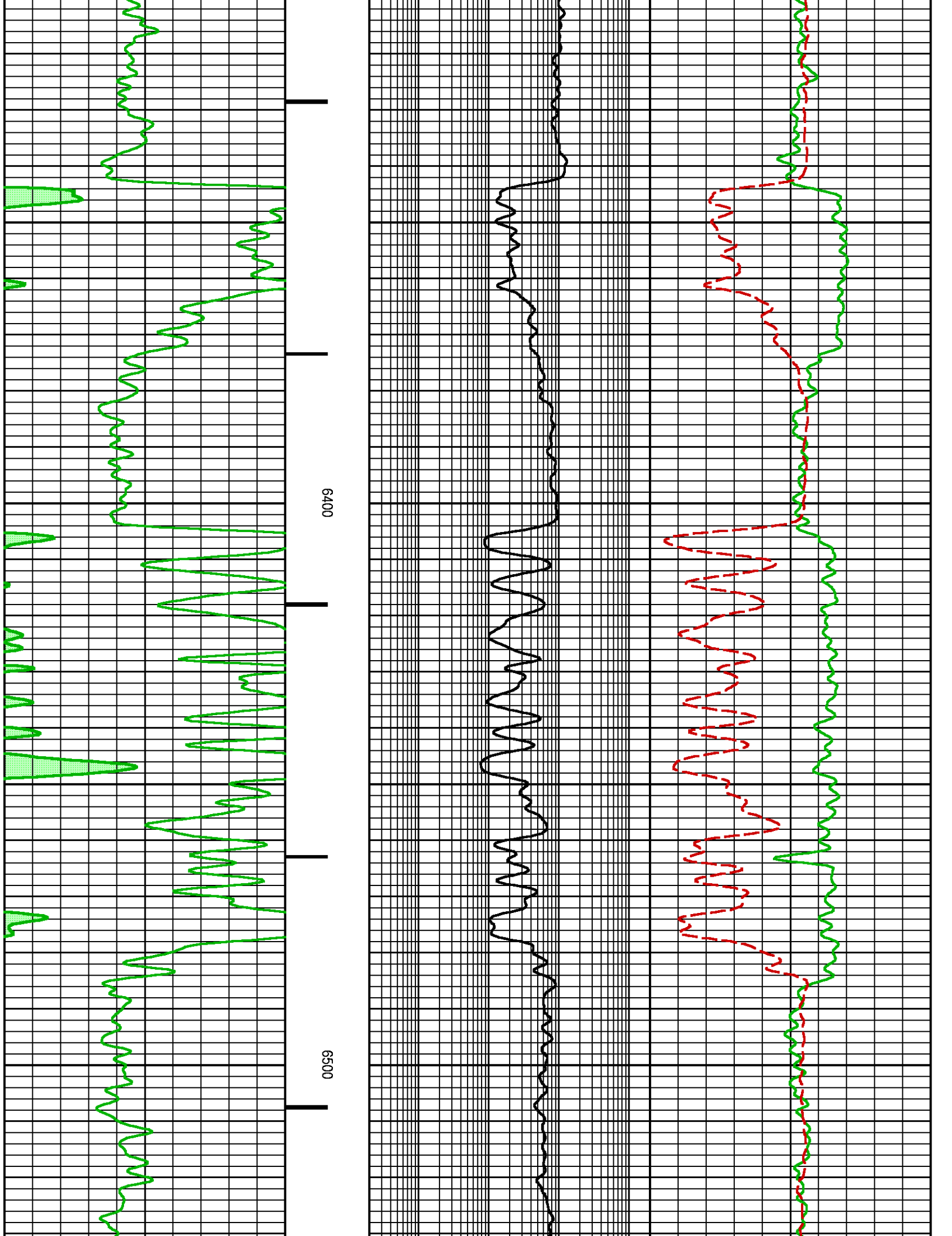


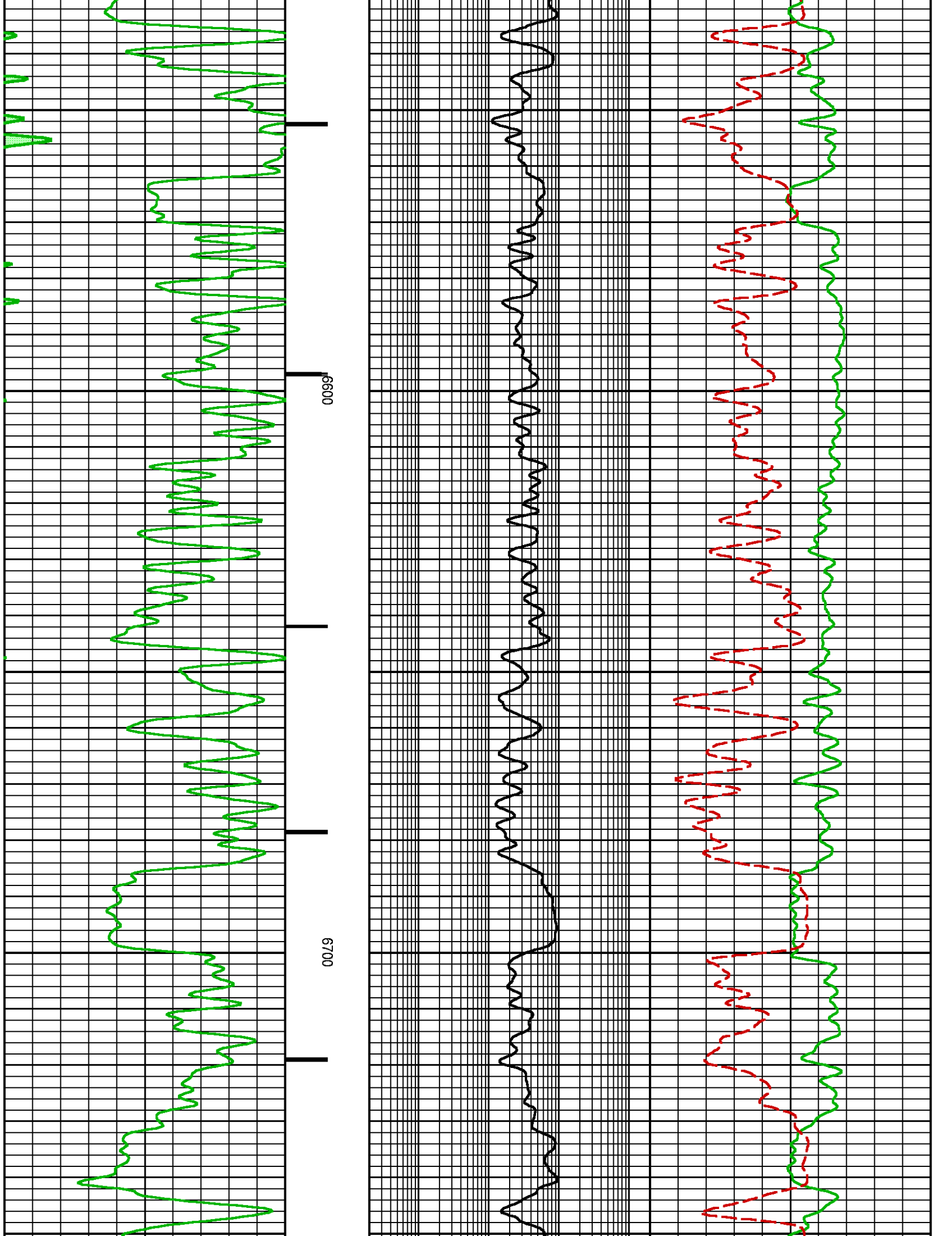


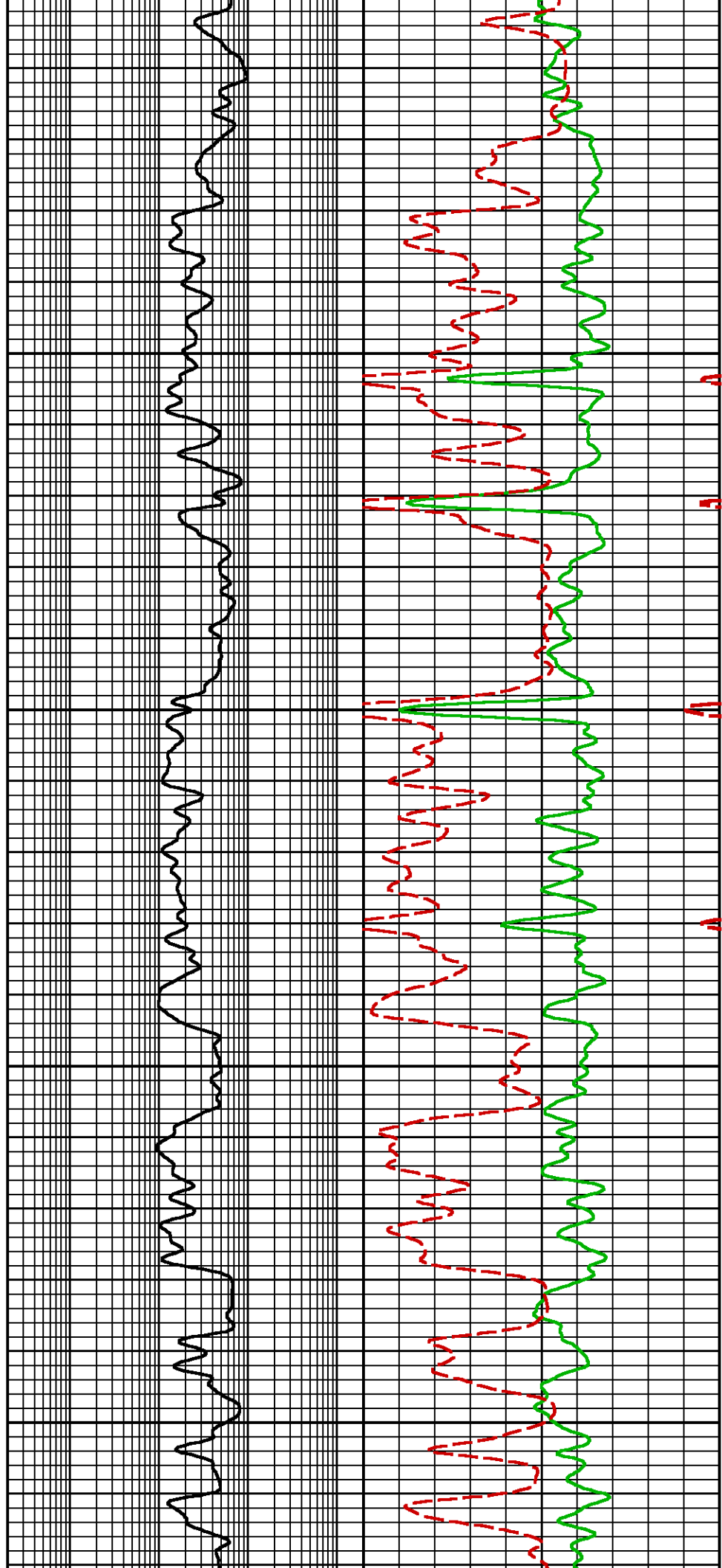
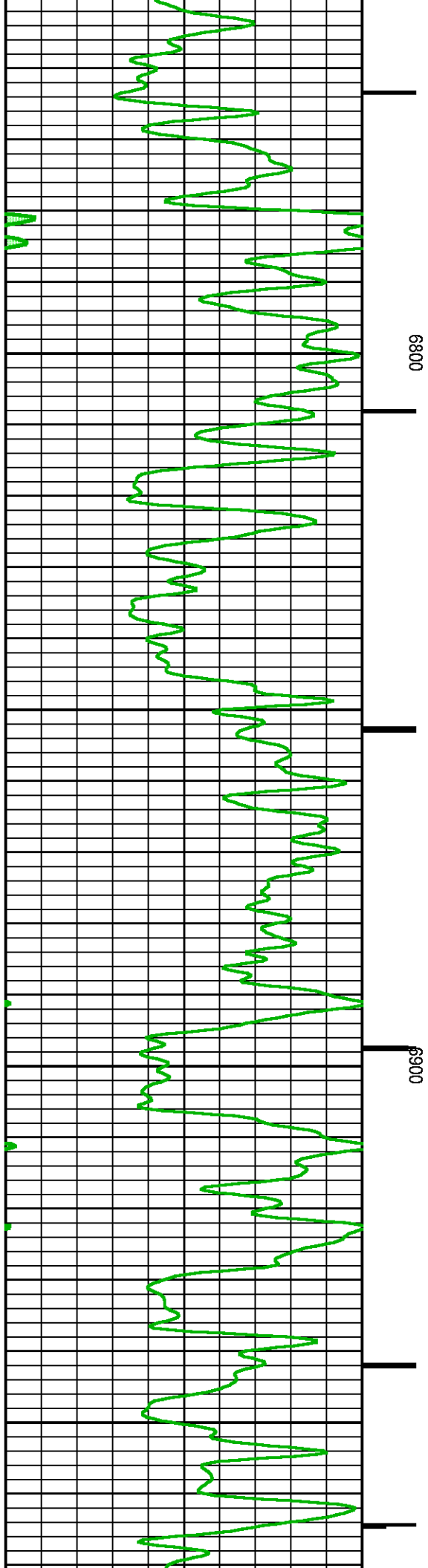


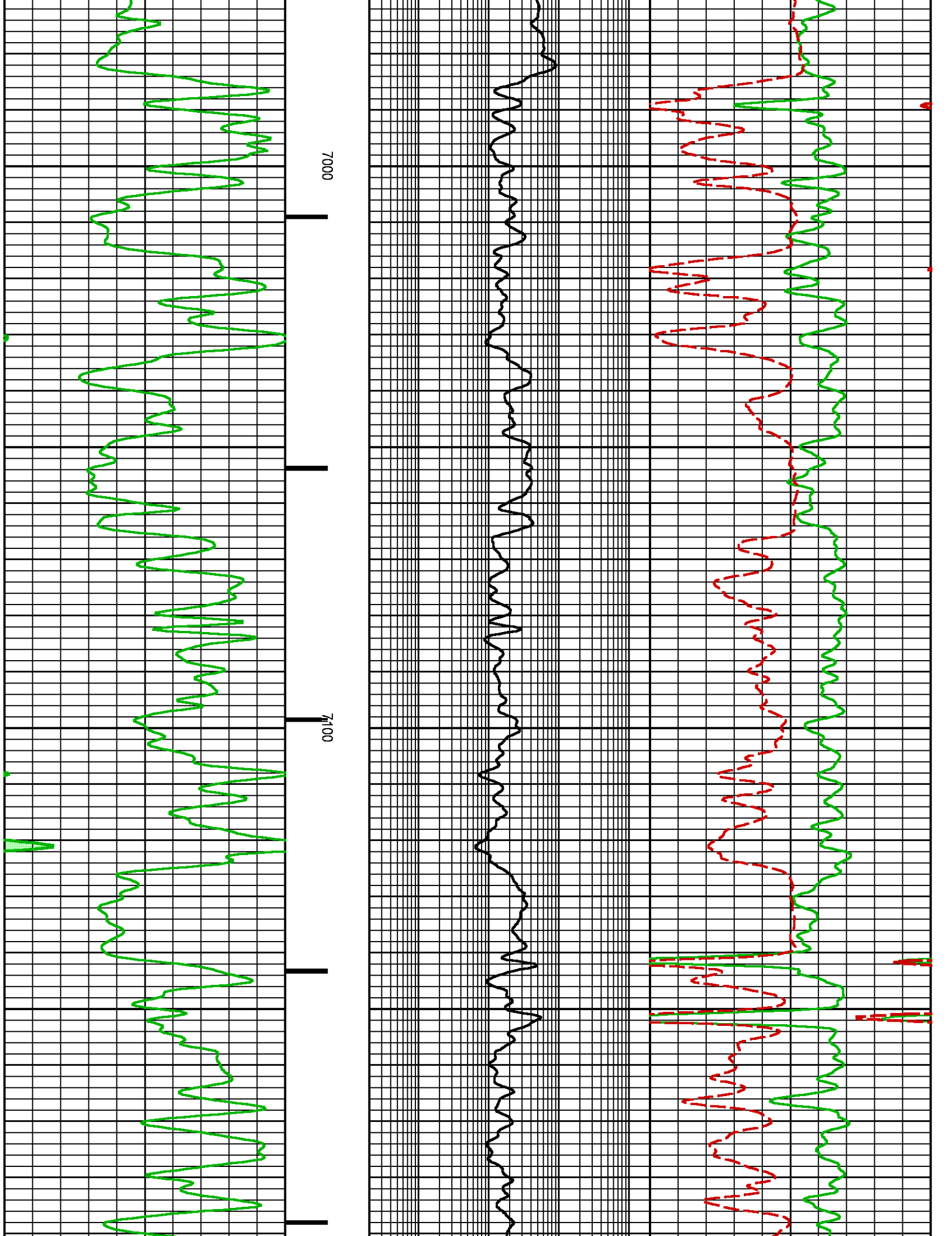


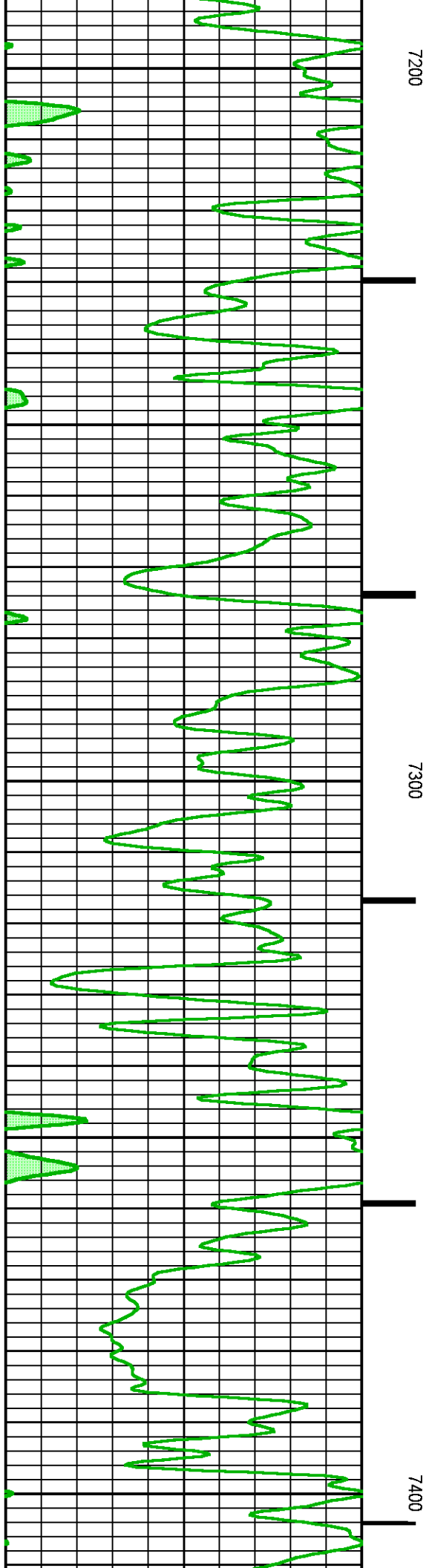
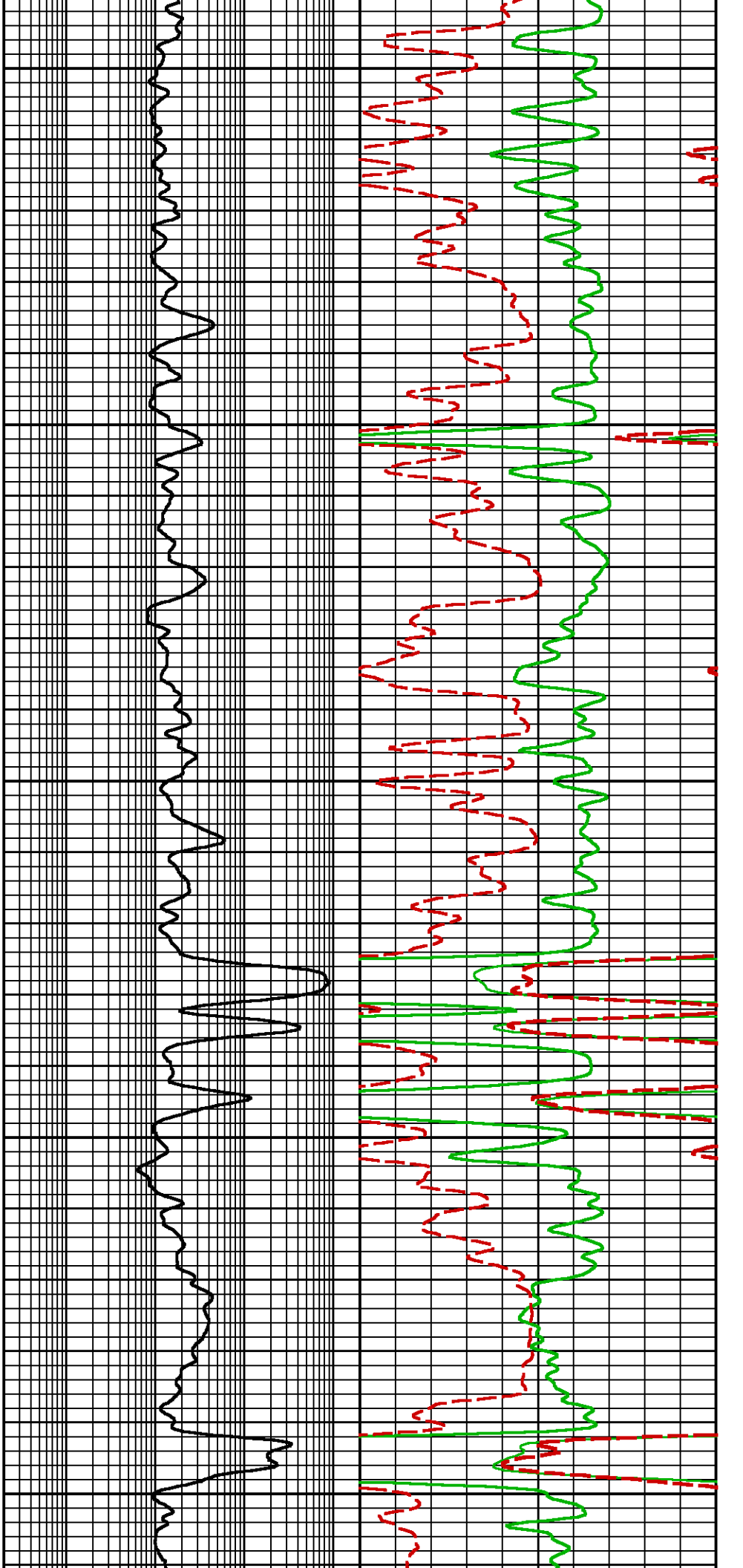


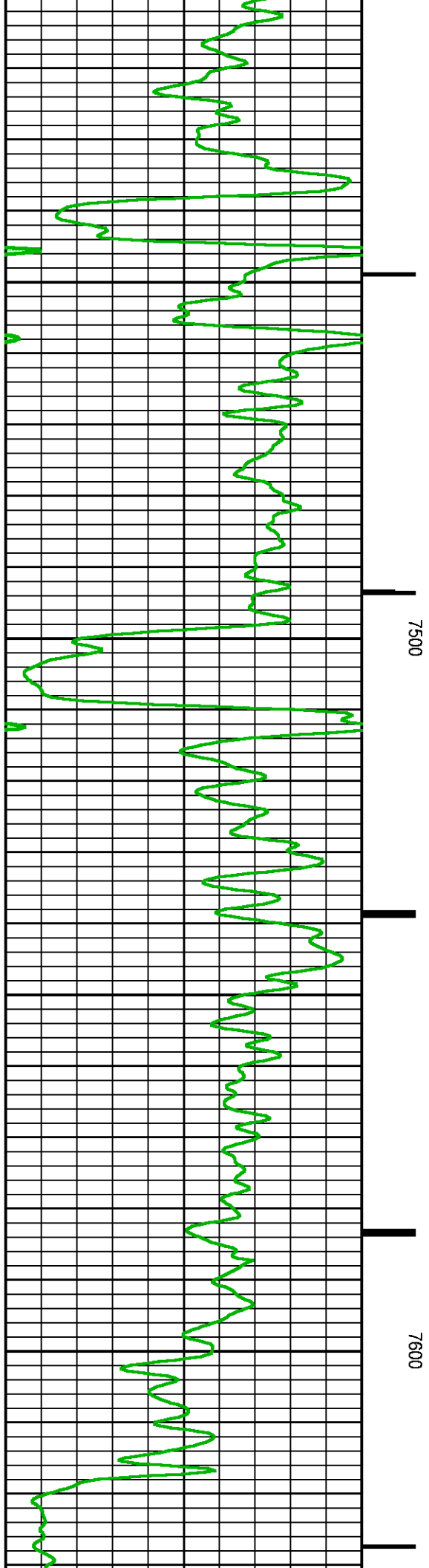
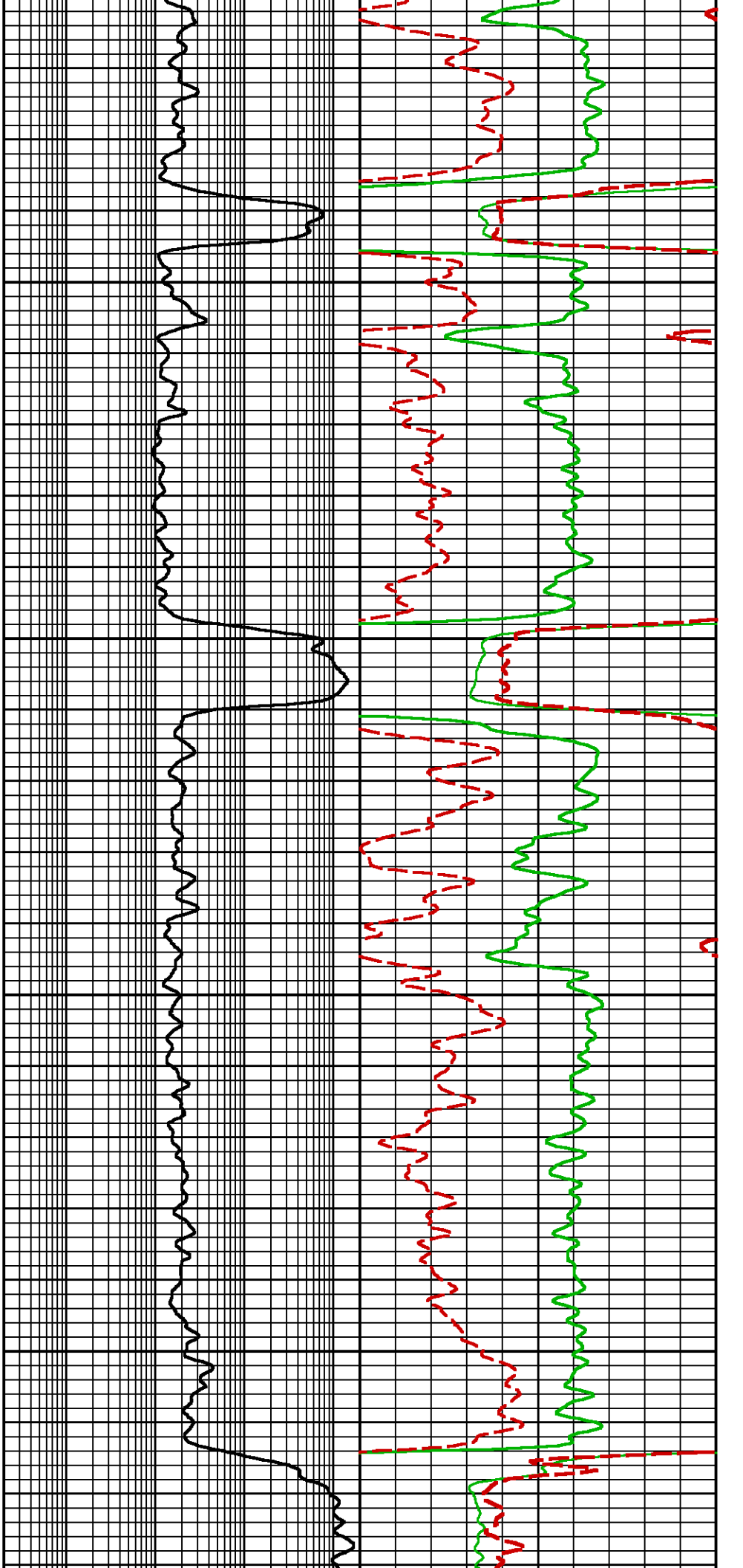


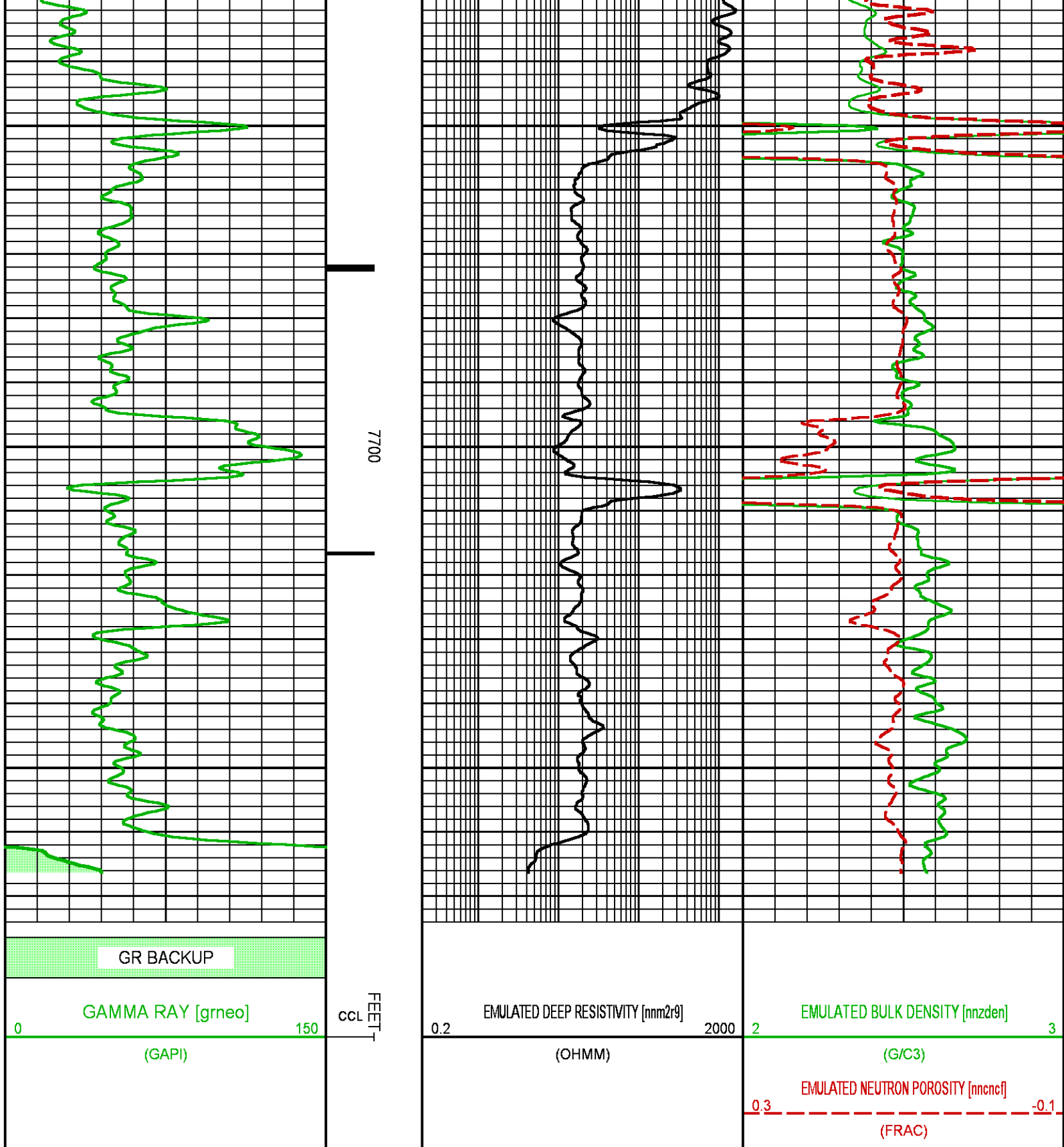












BAKER HUGHES
a GE company



COMPANY
WELL
FIELD
COUNTY

LARAMIE ENERGY
BRUTON 19-03W
VEGA
MESA

STATE **COLORADO**

FILE NO:

API NO:

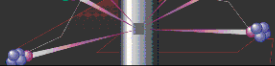
05-077-10432-0000

LOCATION:

SEE REMARKS

ELEVATIONS:

KB 7286 FT
DF 7286 FT



SEC 19 TWP 9S RGE 93W

GL 7262 FT

DATE 3-NOV-2017