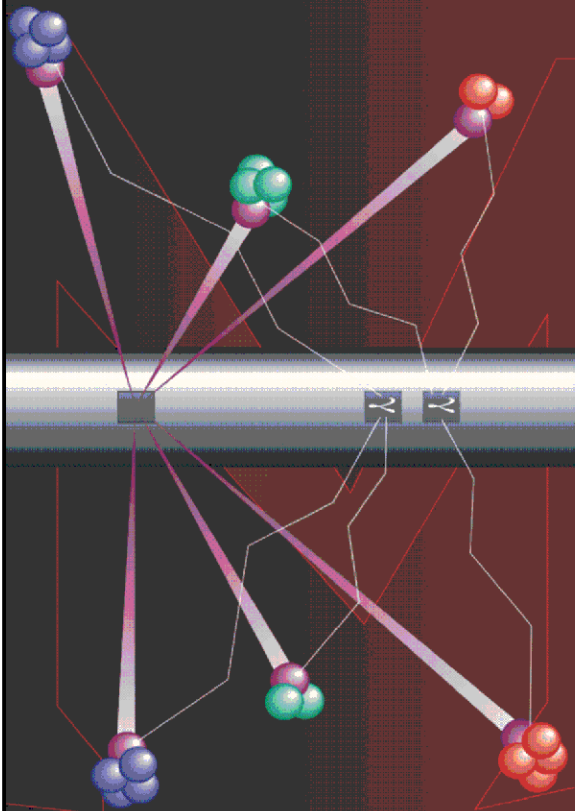


# Pulsed Neutron Formation Evaluation



## RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL NICHOLS 0994-24-15E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS

SEC 24 TWP 9S RGE 94W

ELEVATIONS:

KB 7236 FT DF GL 7212 FT

DATE 9-JUL-2018 ECC 137596

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>9-JUL-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>M. BAUKA</u>	DATE: <u>3-JUL-2018</u>
FROM	TO		
<u>2184 FT</u>	<u>7564 FT</u>		

### REMARKS

LOCATION: SHL: 2287' FNL & 2794' FWL  
BHL: 1740' FSL & 1439' FEL

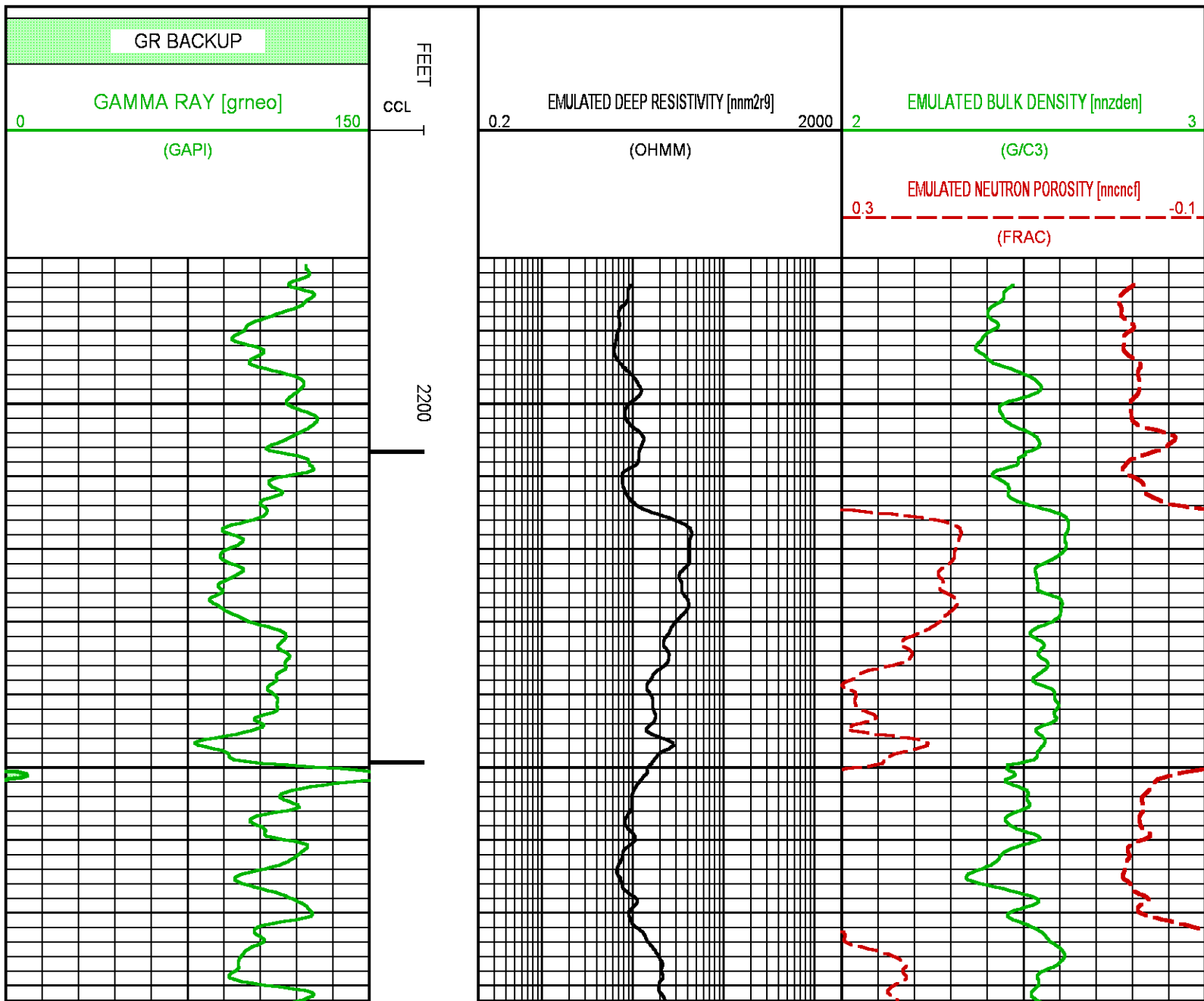
TRAINING WELL:  
NICHOLS 24-06W

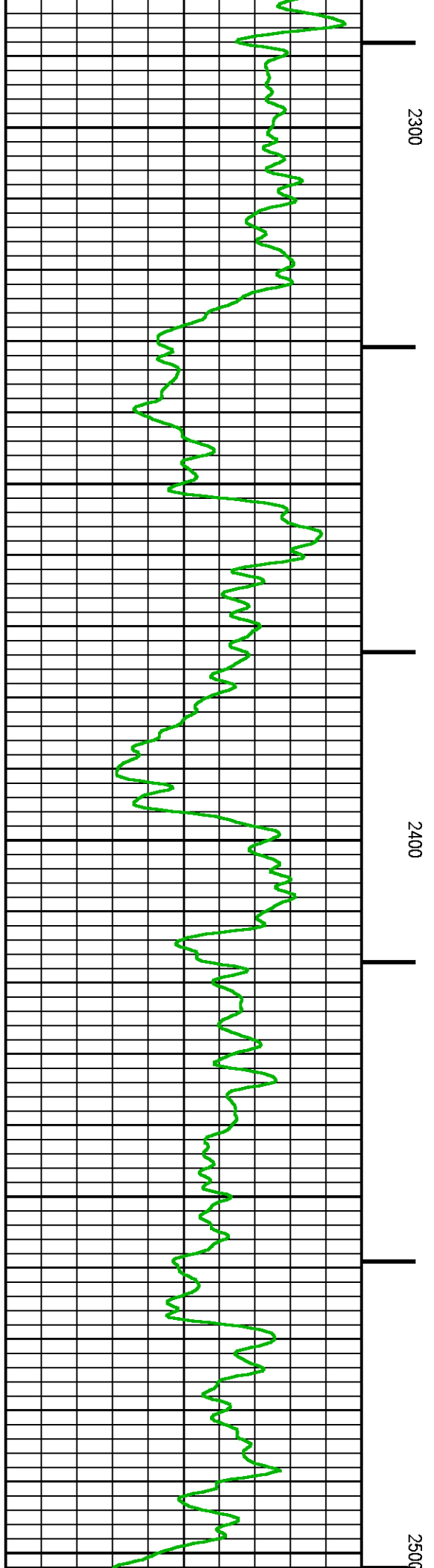
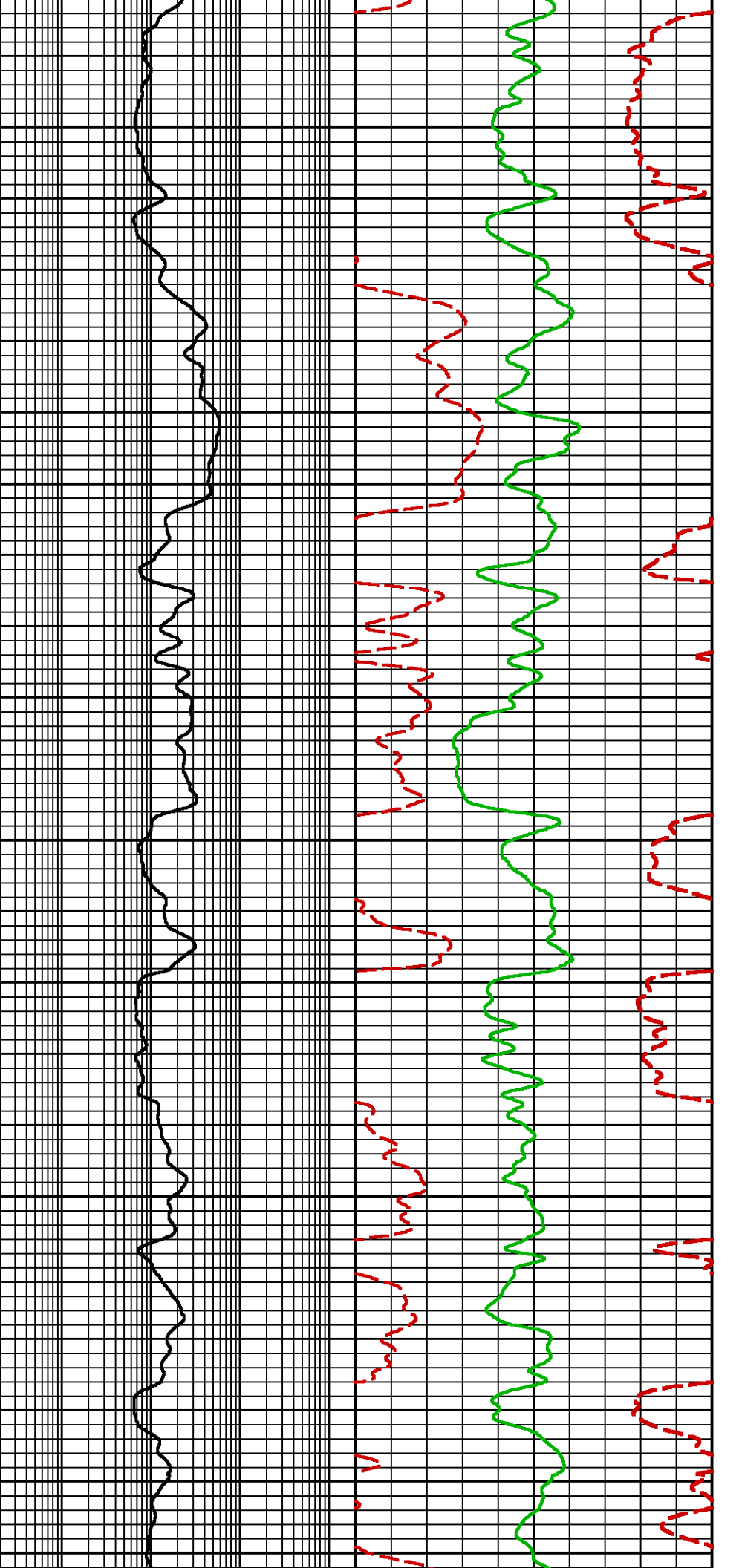
ANY ERRORS IN THE TRAINING WELL OPENHOLE DATA CAN PERETUATE THROUGH AS ERROR IN THE EMULATED RESULTS

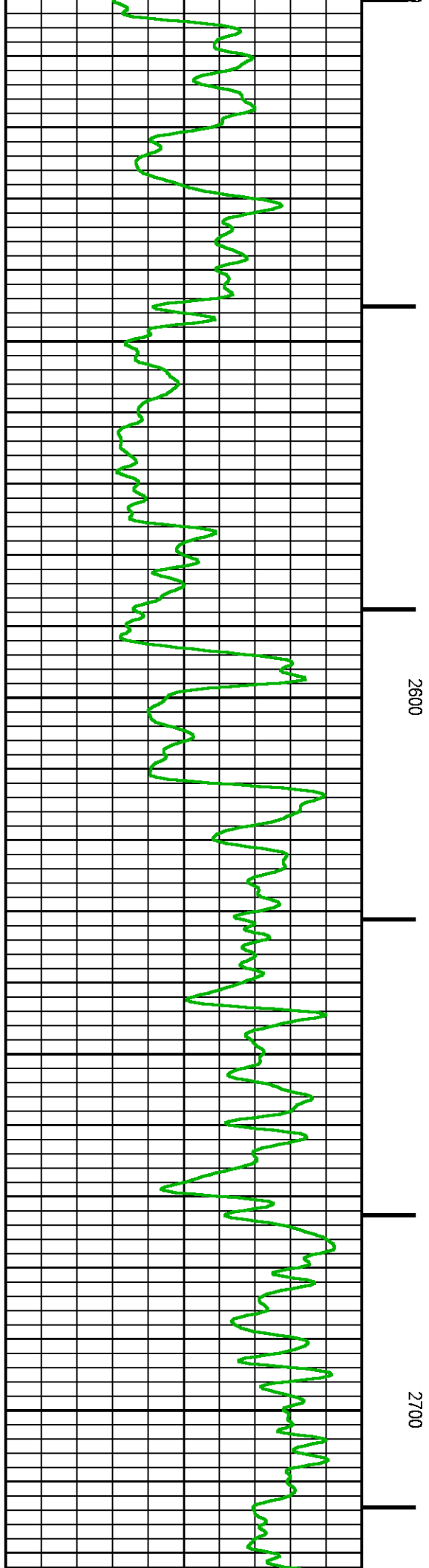
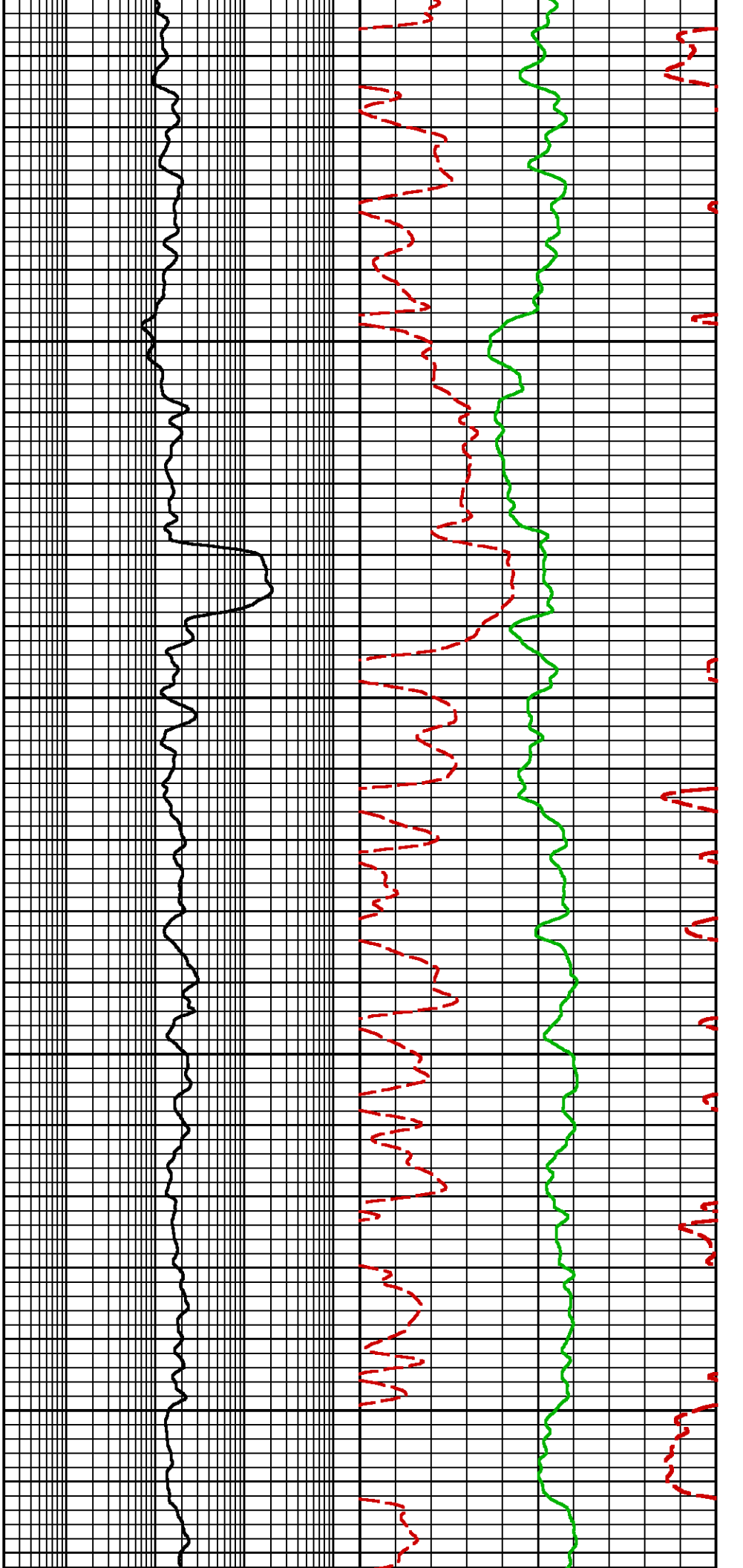
BOND LOG IS DEPTH REFERENCE LOG

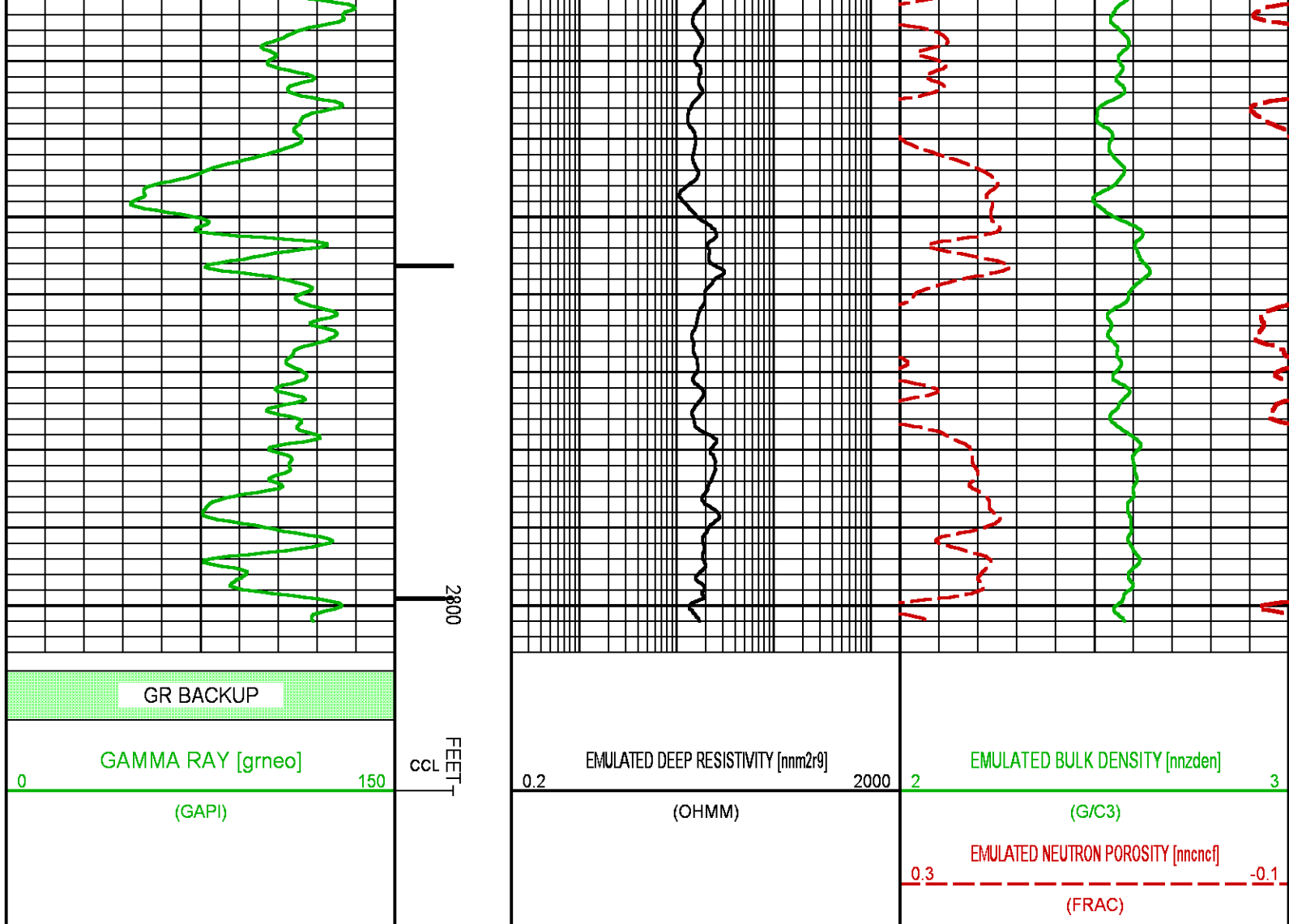
# NEO RESULTS FOR NICHOLS 0994-24-15E (G-SAND)

**Project** : NA  
**User** : ellskima  
**Presentation** : BHI3BKZH12:C:\Ape\_Projects\laramie\_nichols\_24\_15e\NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
**Plot Interval** : 2181 - 2805 Feet  
  
**Data File 1** : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_nichols\_24\_15e\Merged\_Set\_Final.xtf  
**Created On** : N/A  
**Company** : LARAMIE ENERGY LLC  
**Well** : NICHOLS 0994-24-15E  
**Field** : VEGA  
**File Interval** : 2181 - 7563 Feet  
**OCT** : NA





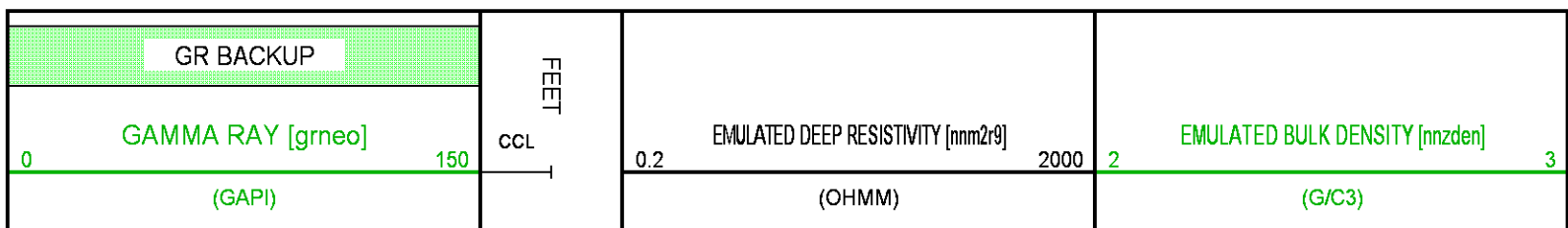




## NEO RESULTS FOR NICHOLS 0994-24-15E (MAIN)

**Project** : NA  
**User** : ellskima  
**Presentation** : BHI3BKZH12:C:\Ape\_Projects\laramie\_nichols\_24\_15e\NEO\_PRESENTATION\_LARAMIE\_MAIN.pdf [5"/100' Scale]  
**Plot Interval** : 4135 - 7563 Feet

**Data File 1** : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_nichols\_24\_15e\Merged\_Set\_Final.xtf  
**Created On** : N/A  
**Company** : LARAMIE ENERGY LLC  
**Well** : NICHOLS 0994-24-15E  
**Field** : VEGA  
**File Interval** : 2181 - 7563 Feet  
**OCT** : NA

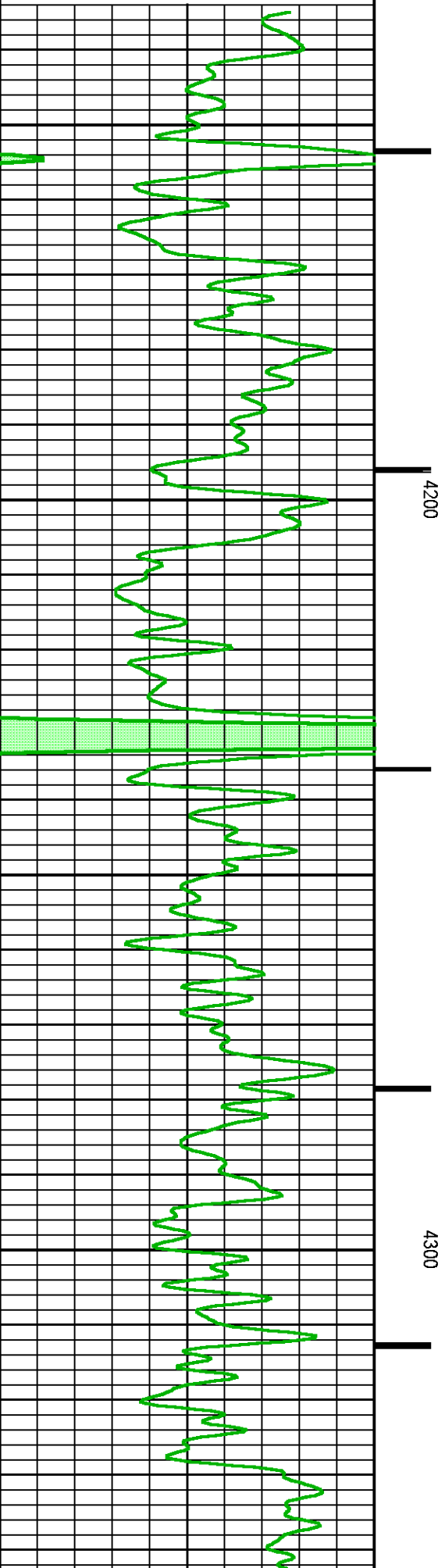
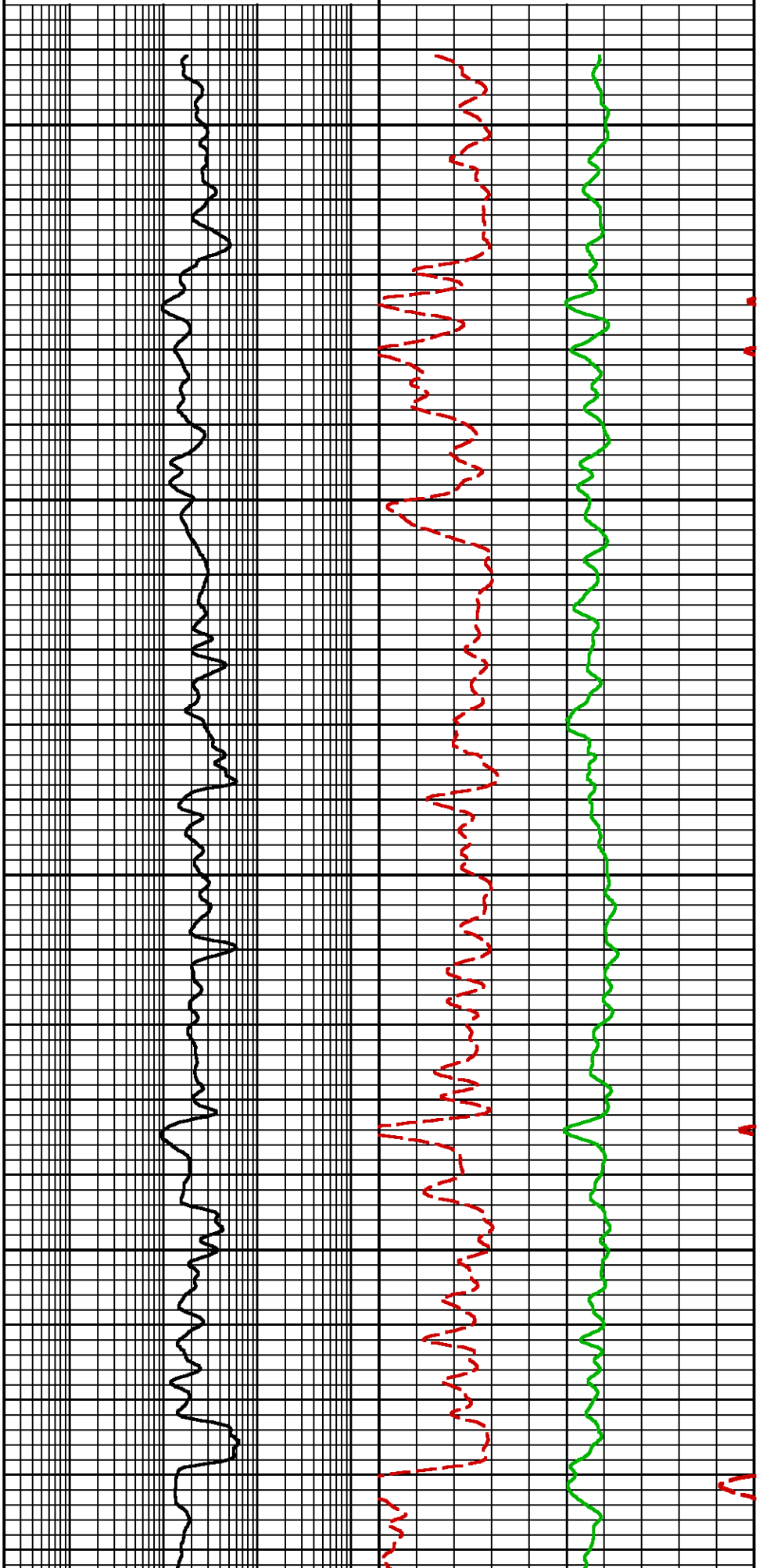


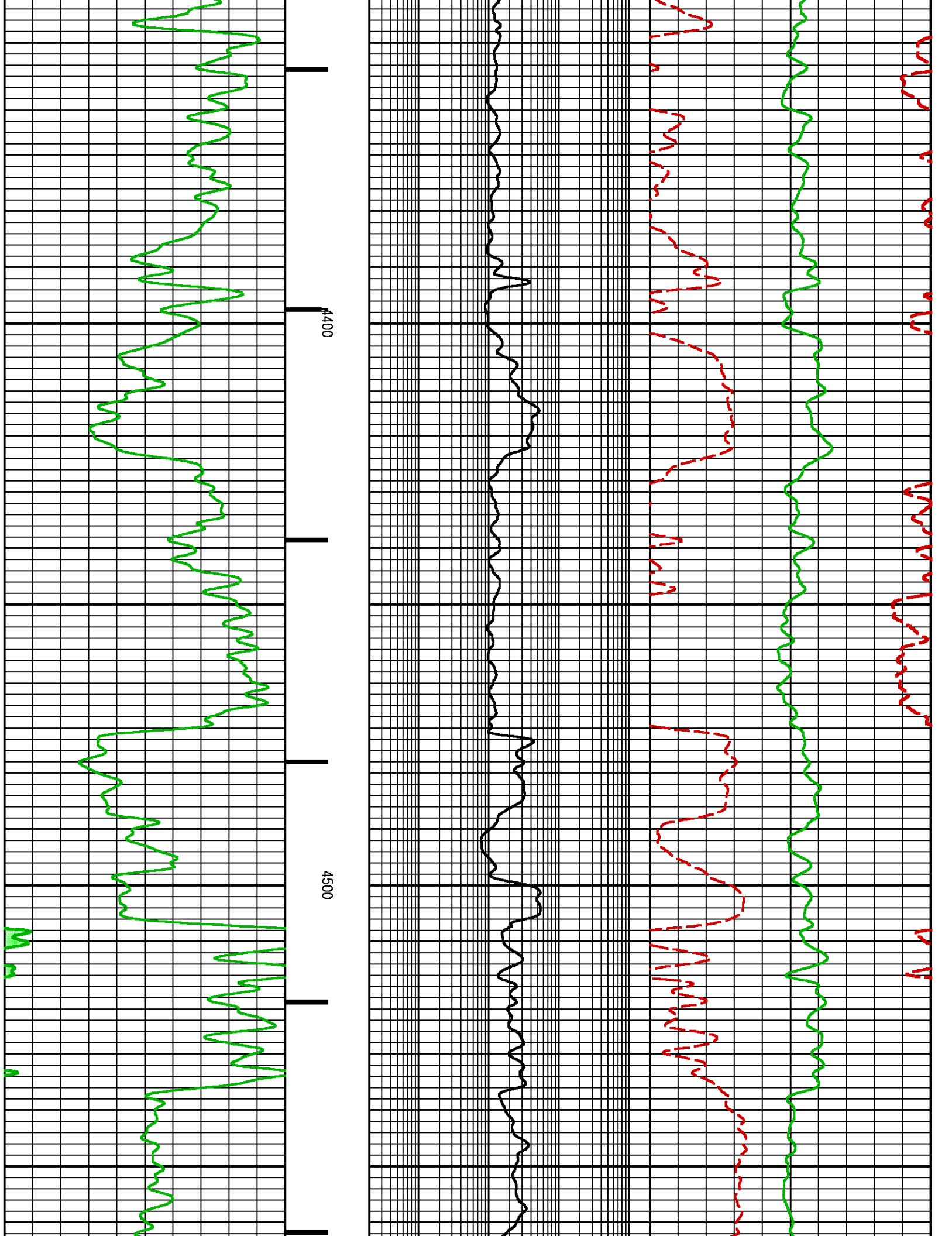
EMULATED NEUTRON POROSITY [nnncf]

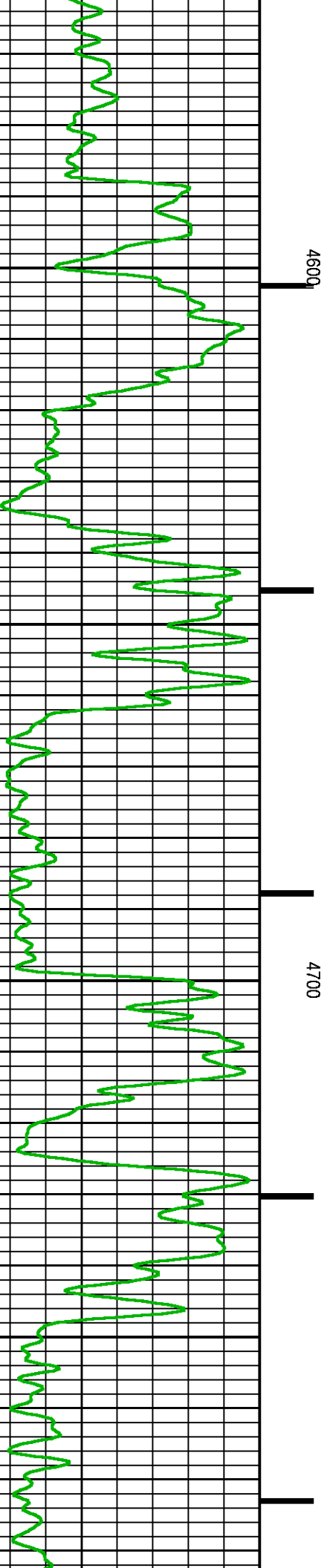
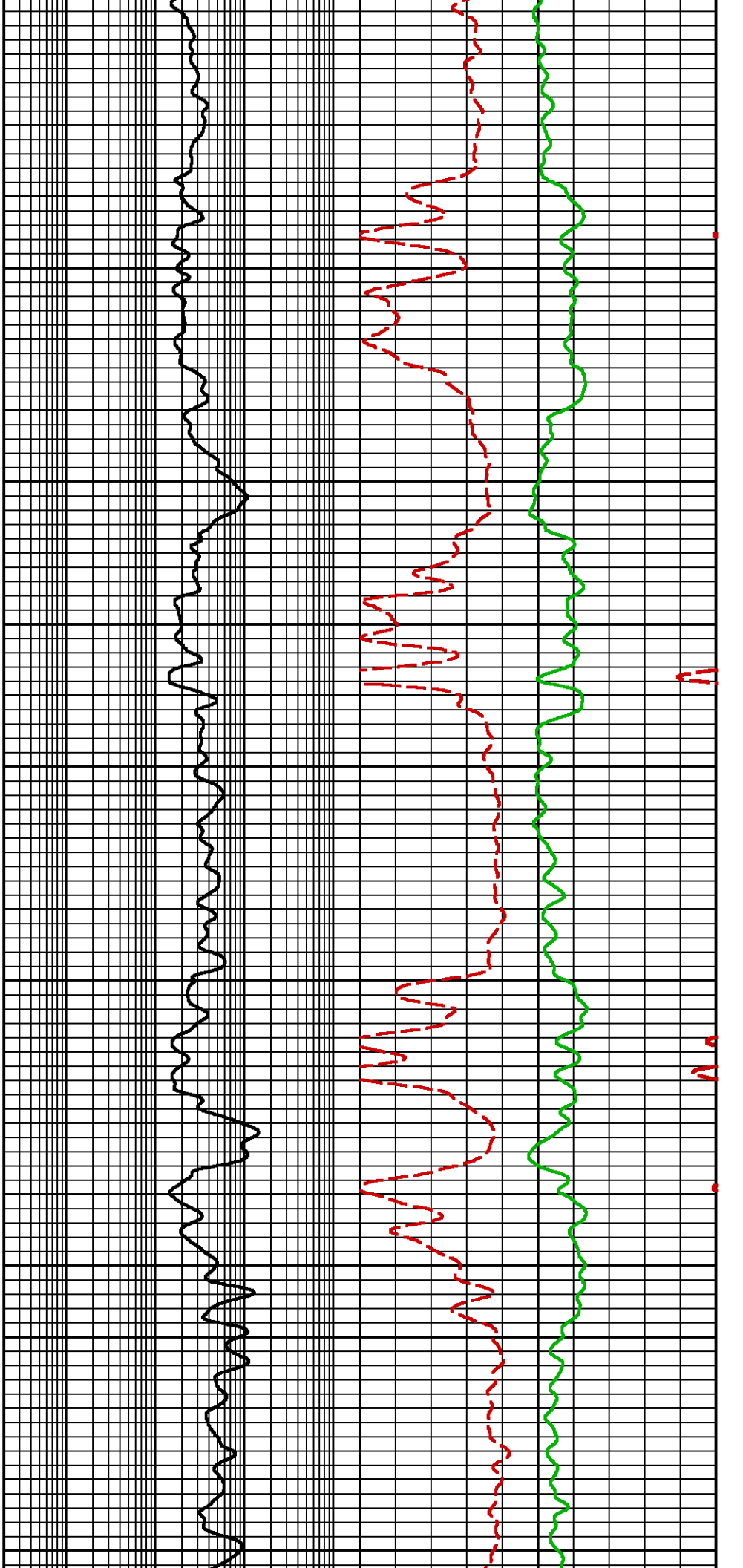
0.3

-0.1

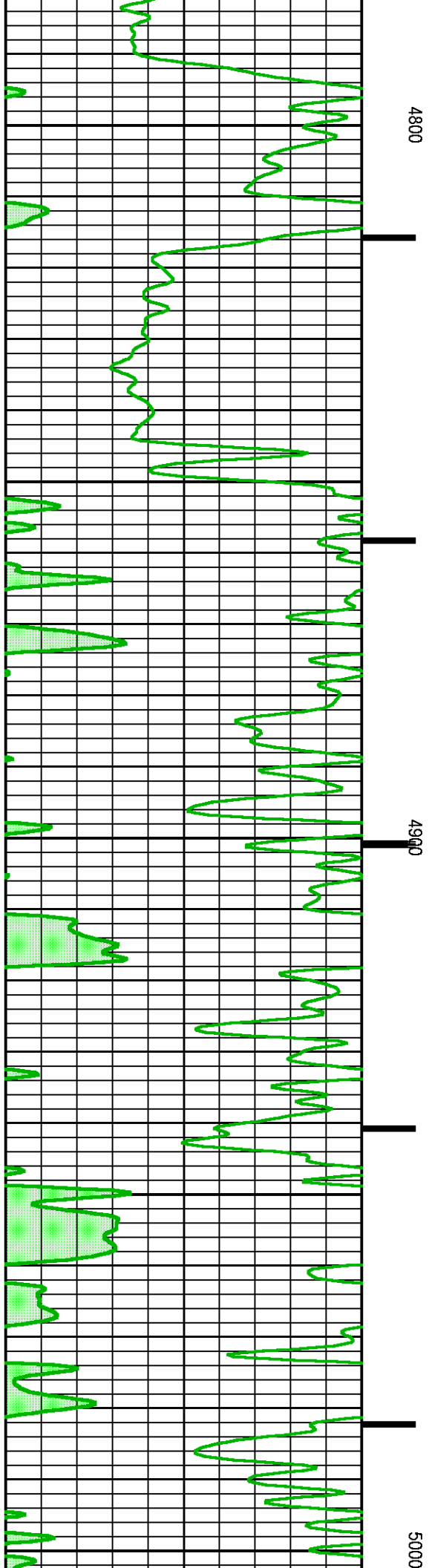
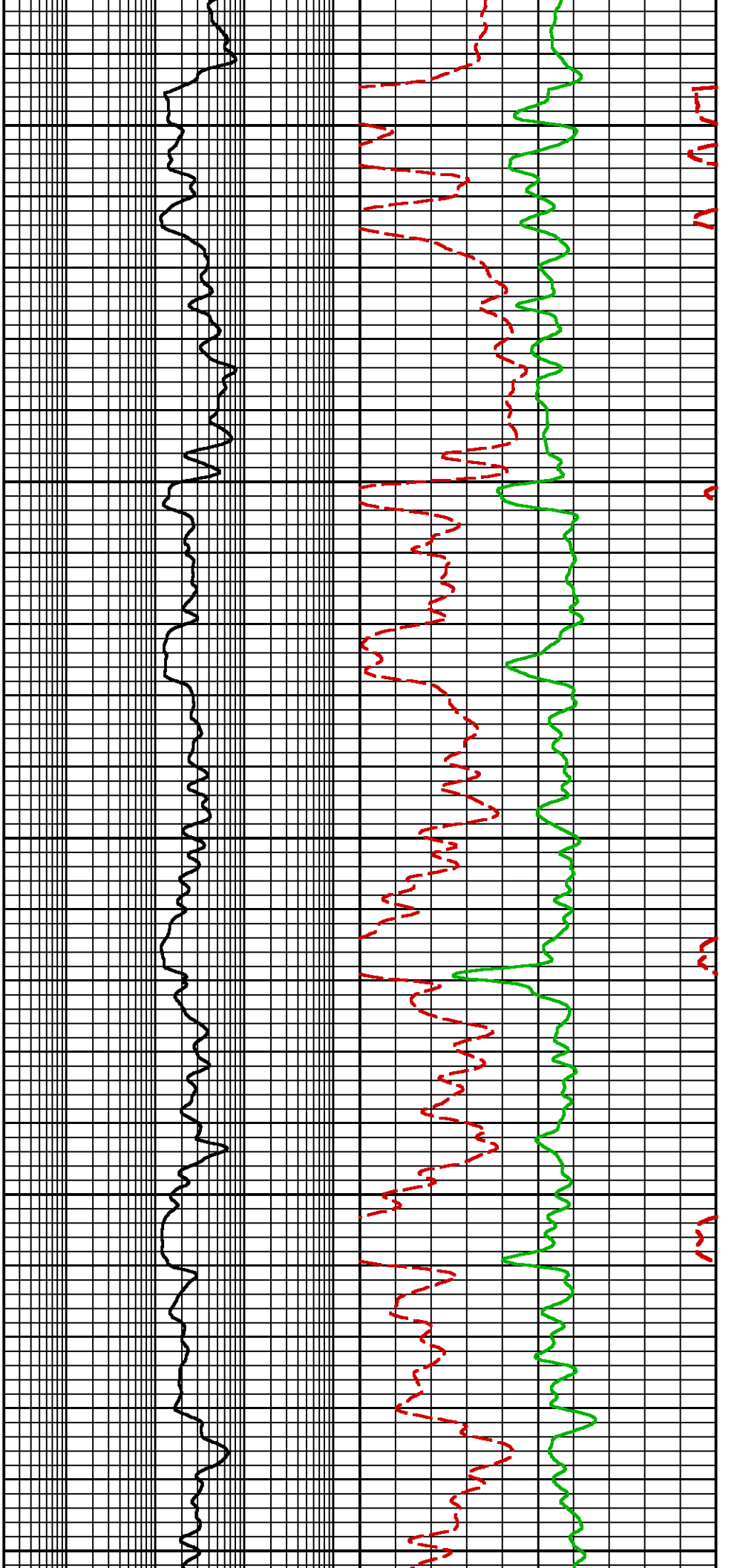
(FRAC)

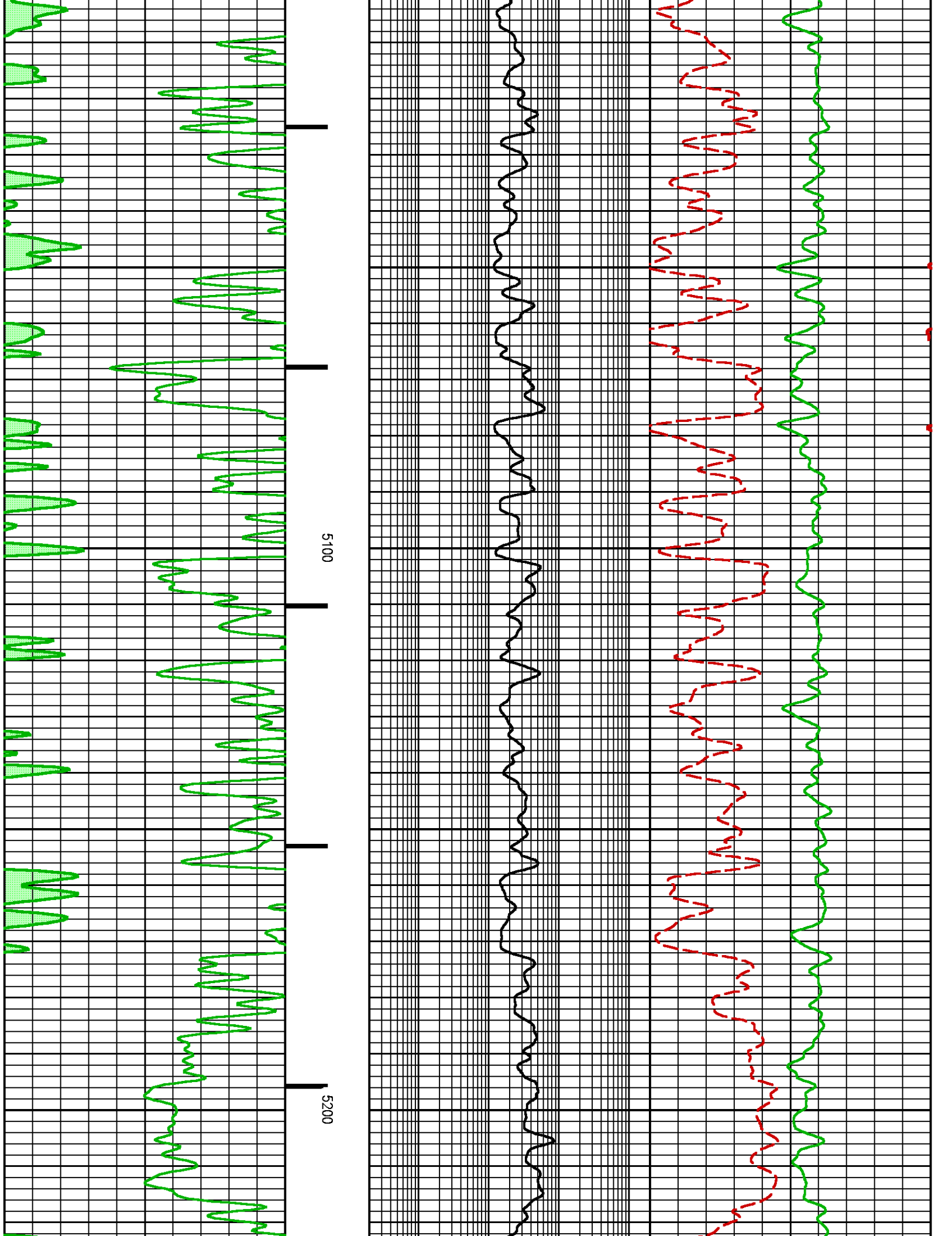


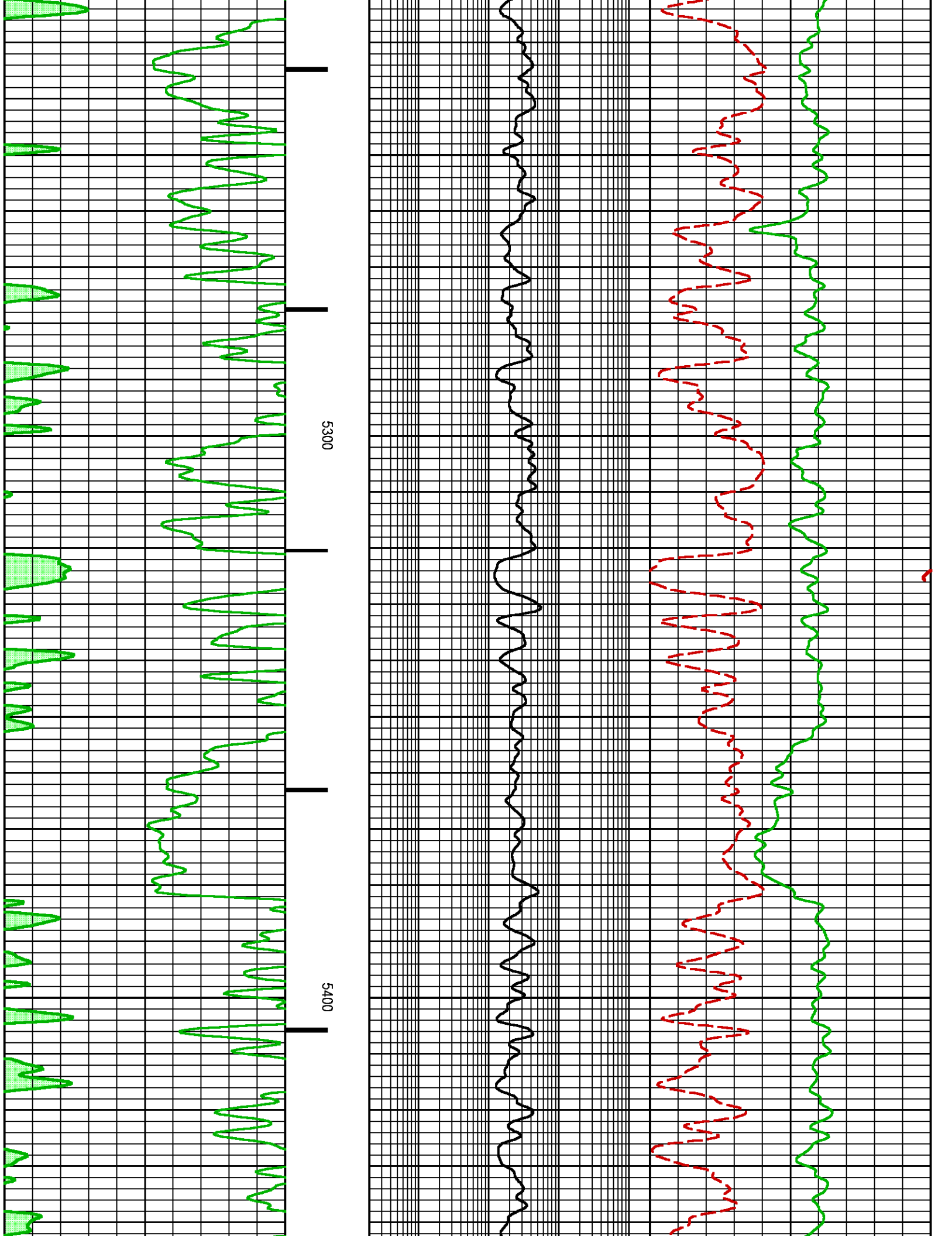


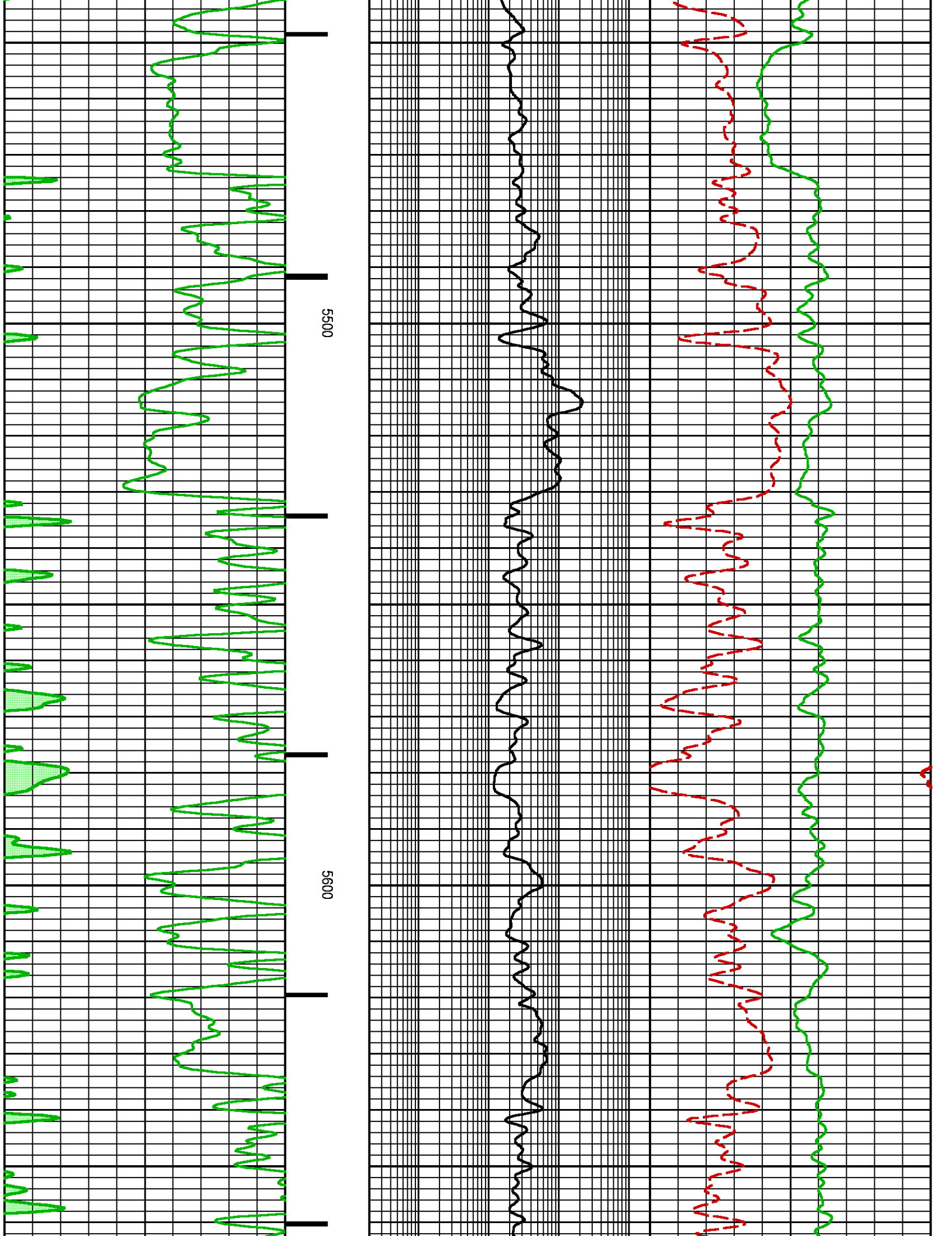


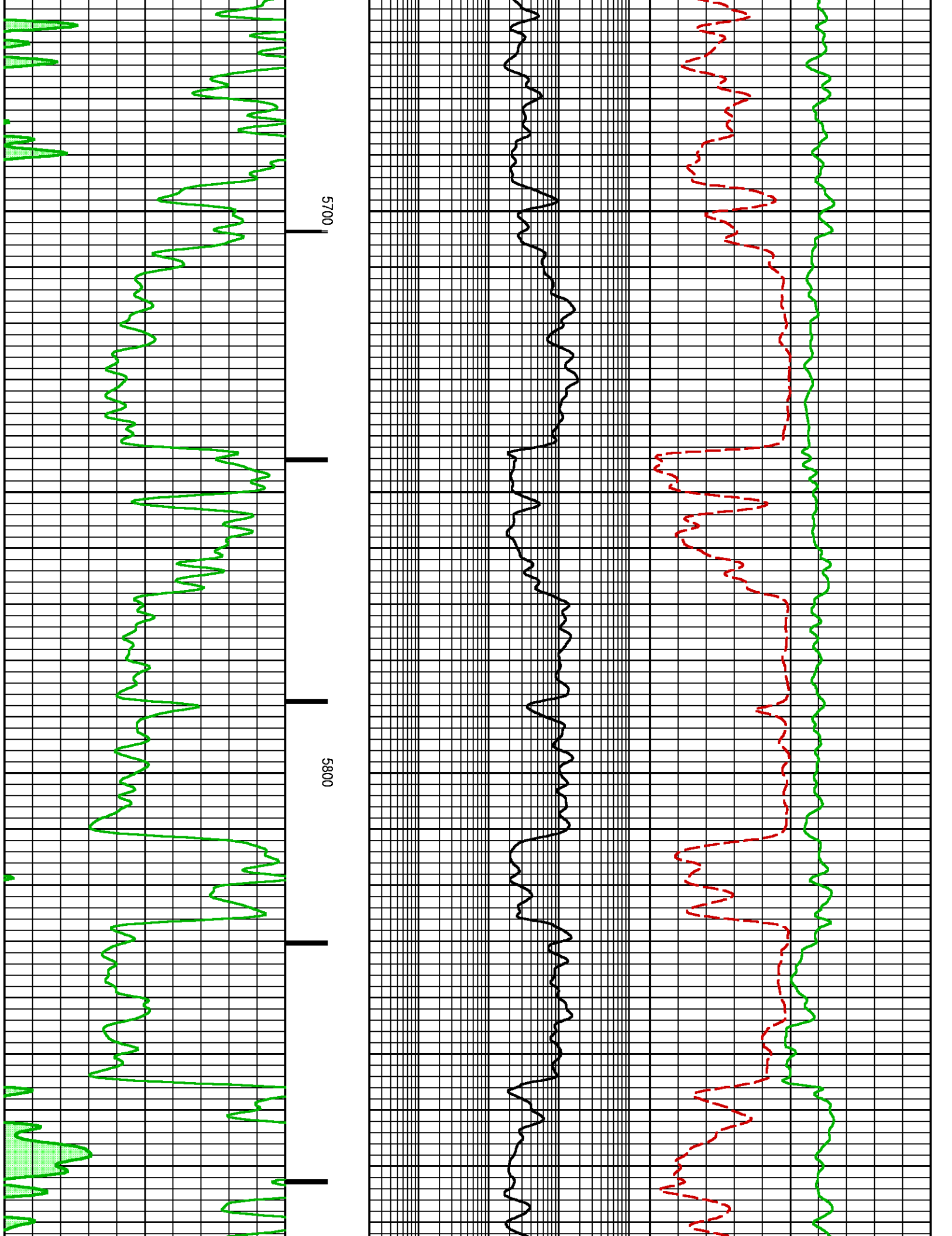


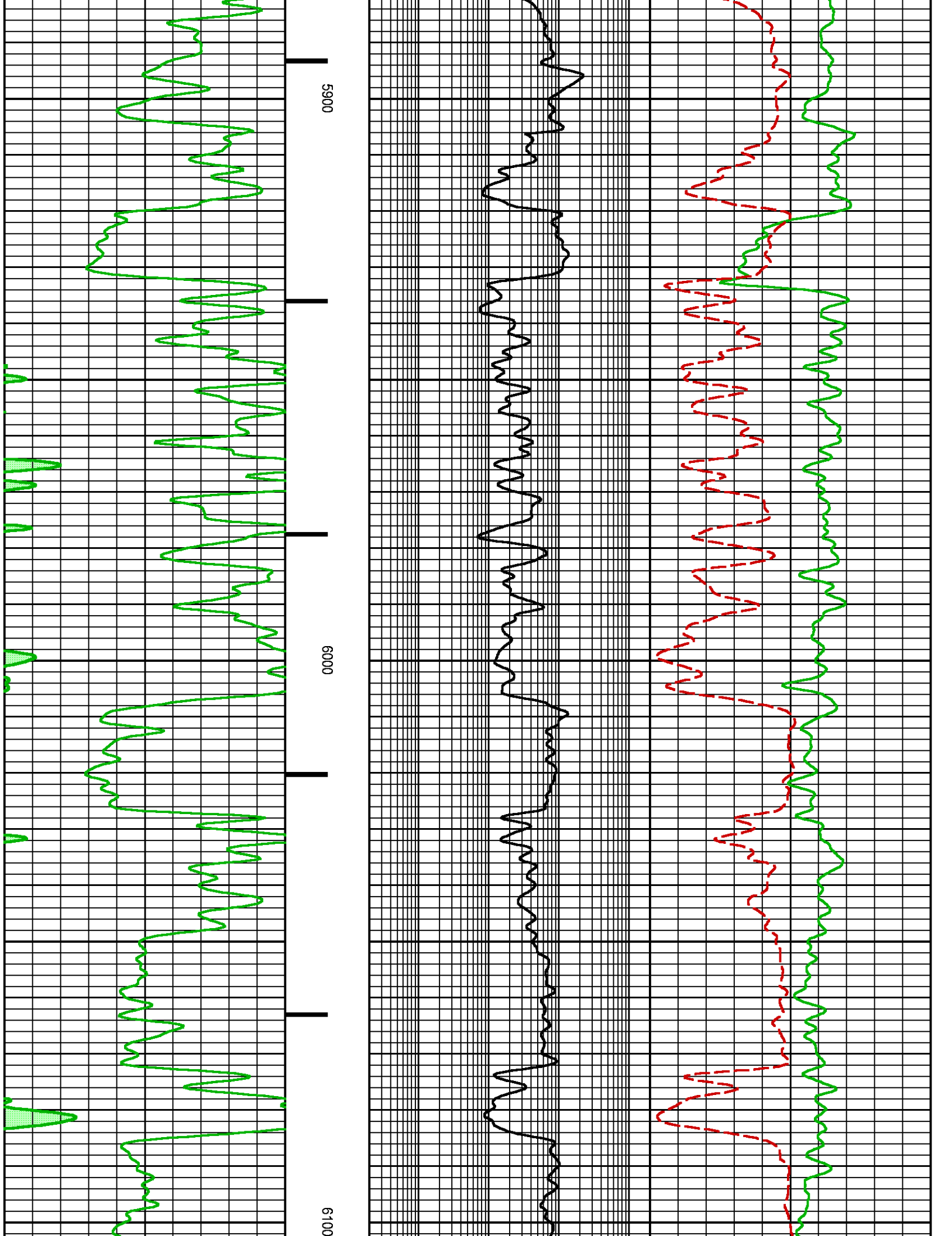


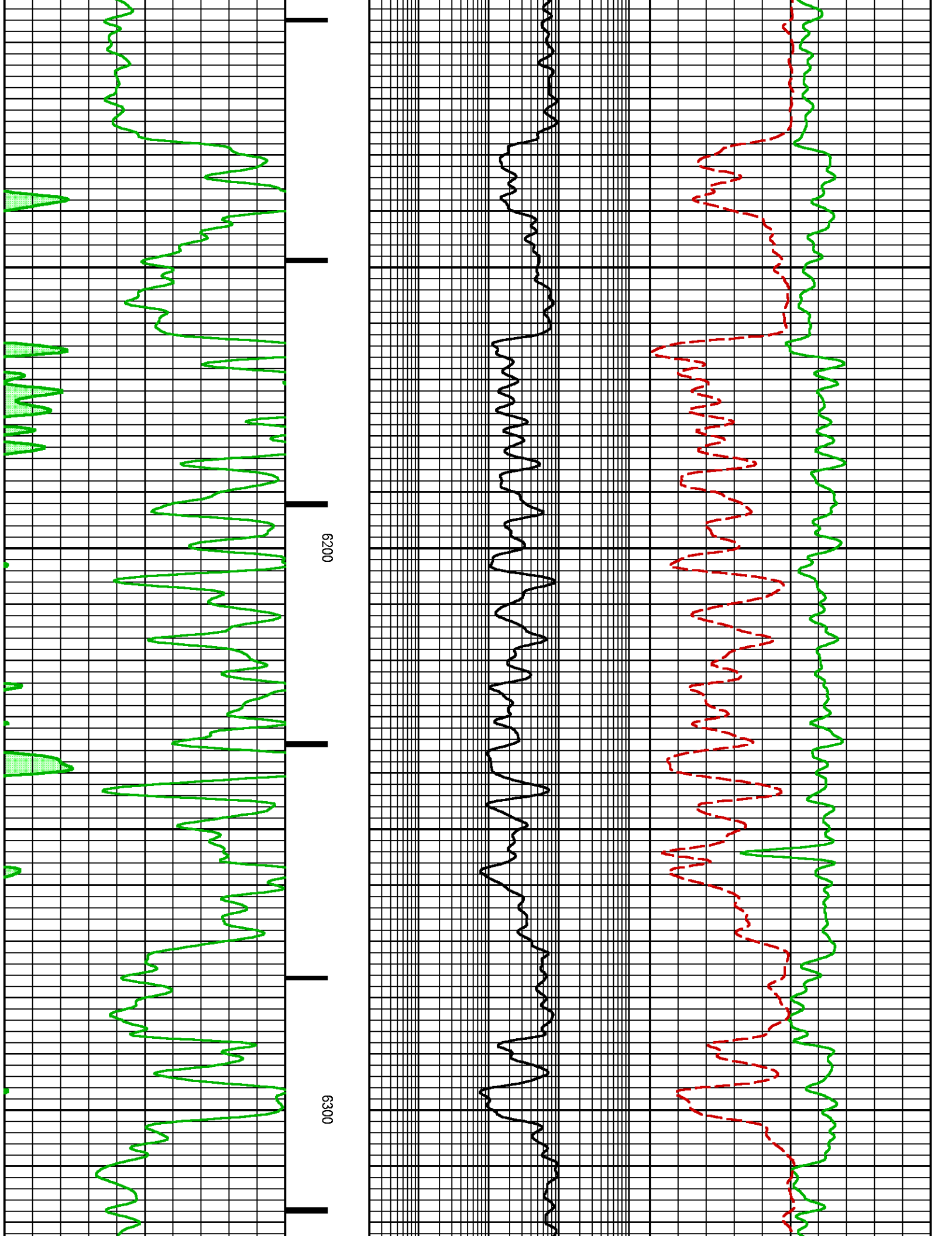


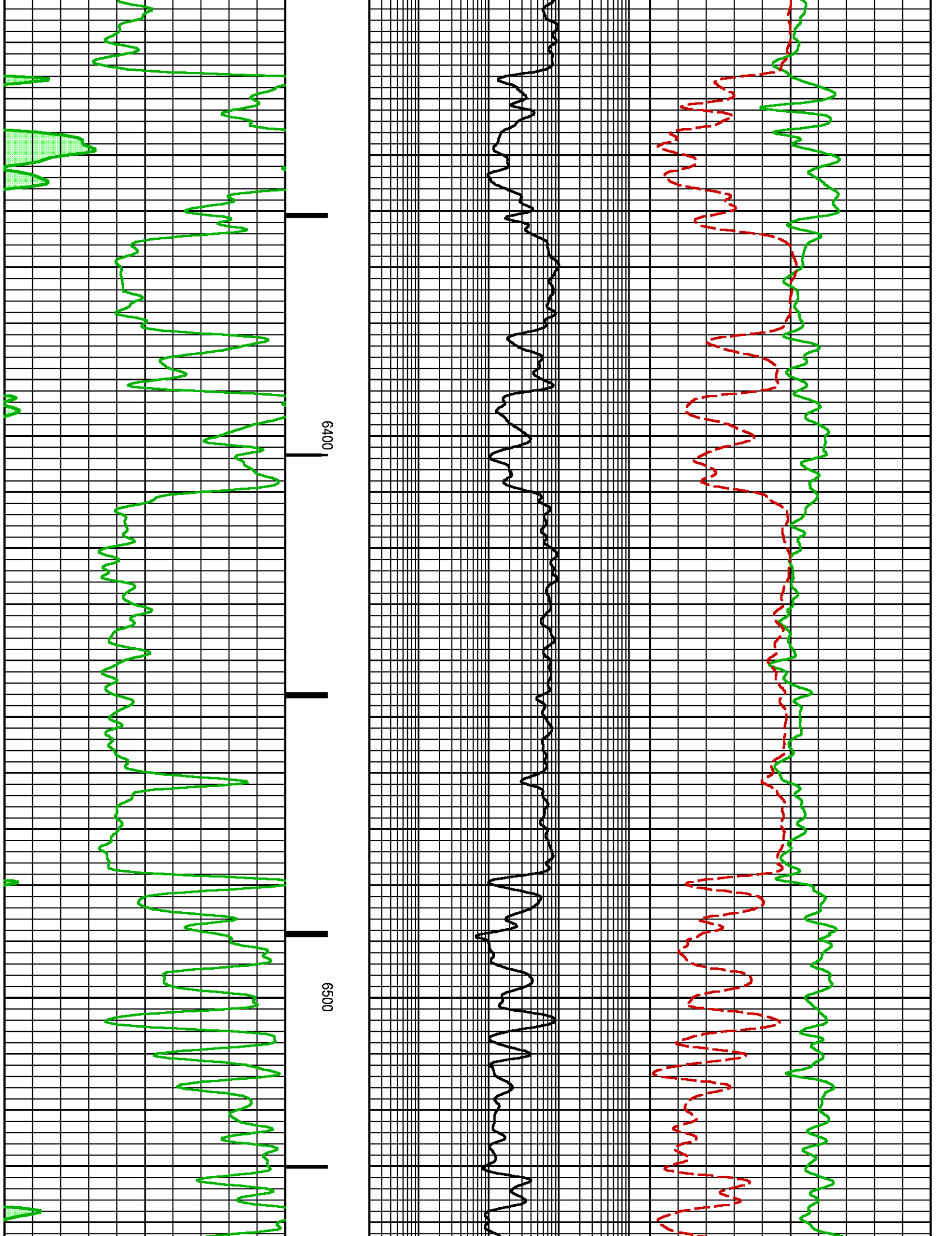




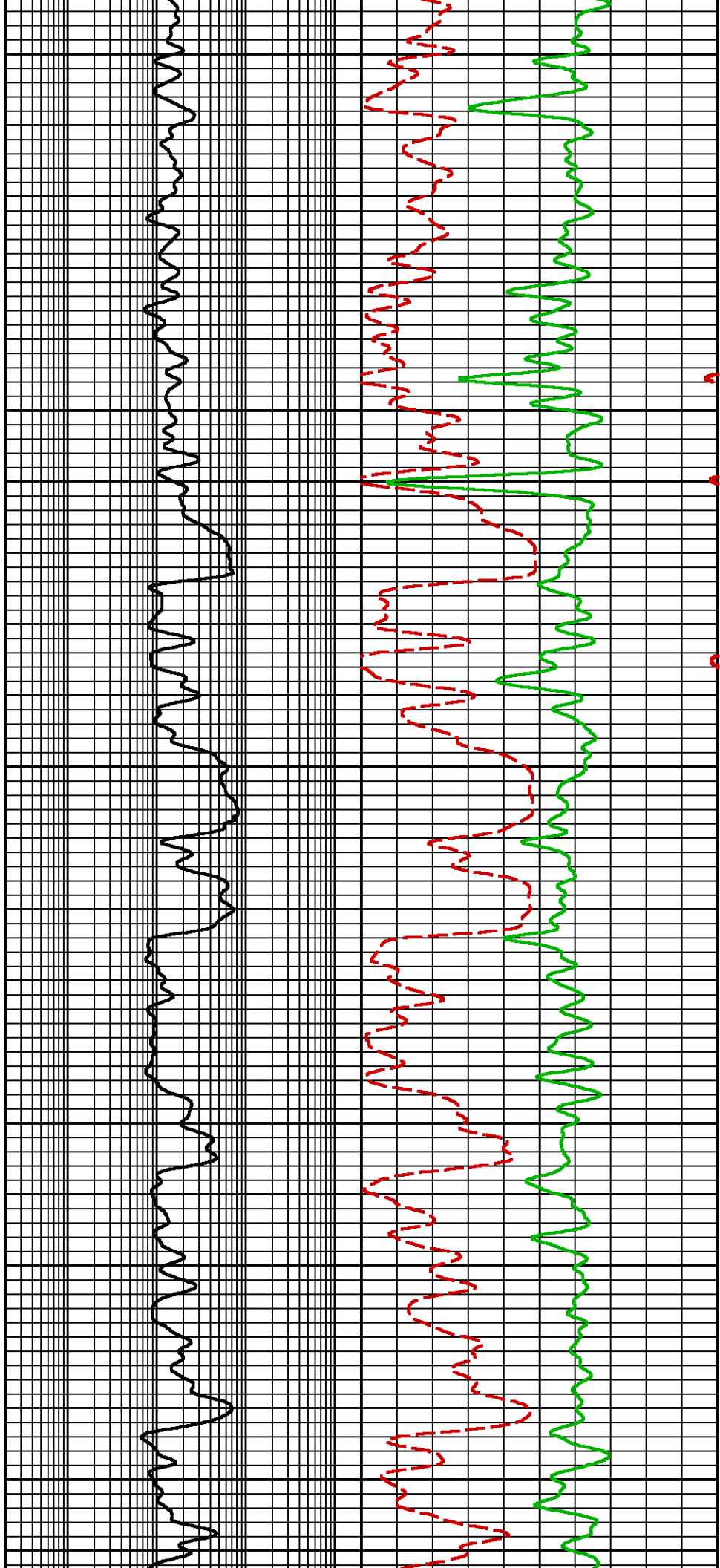
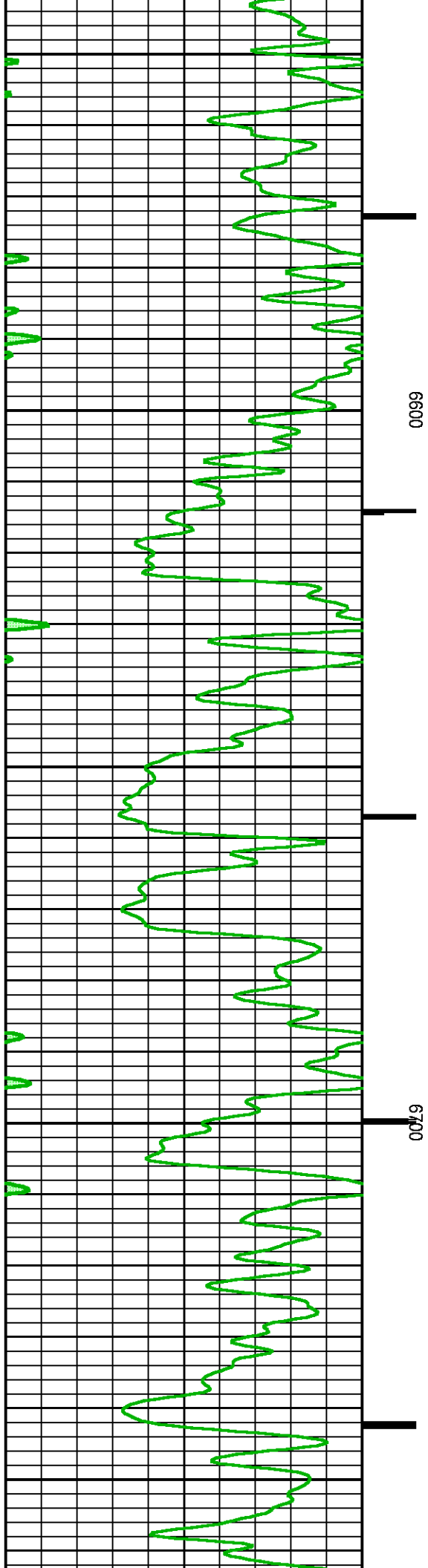


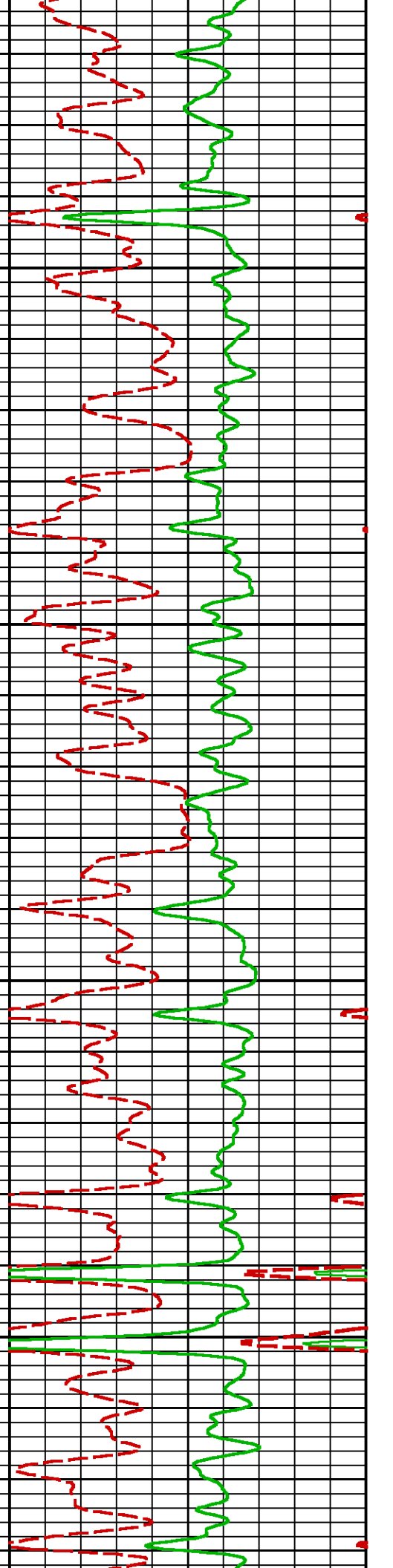
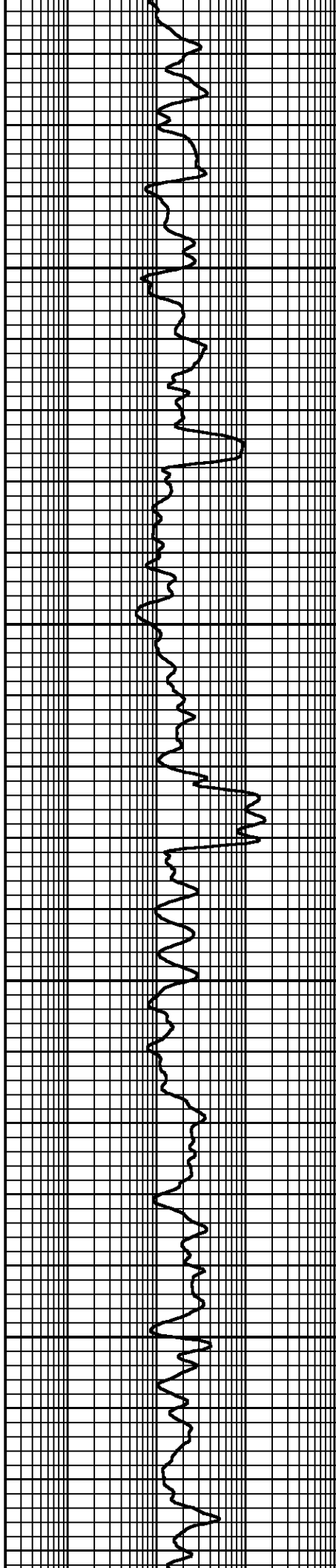
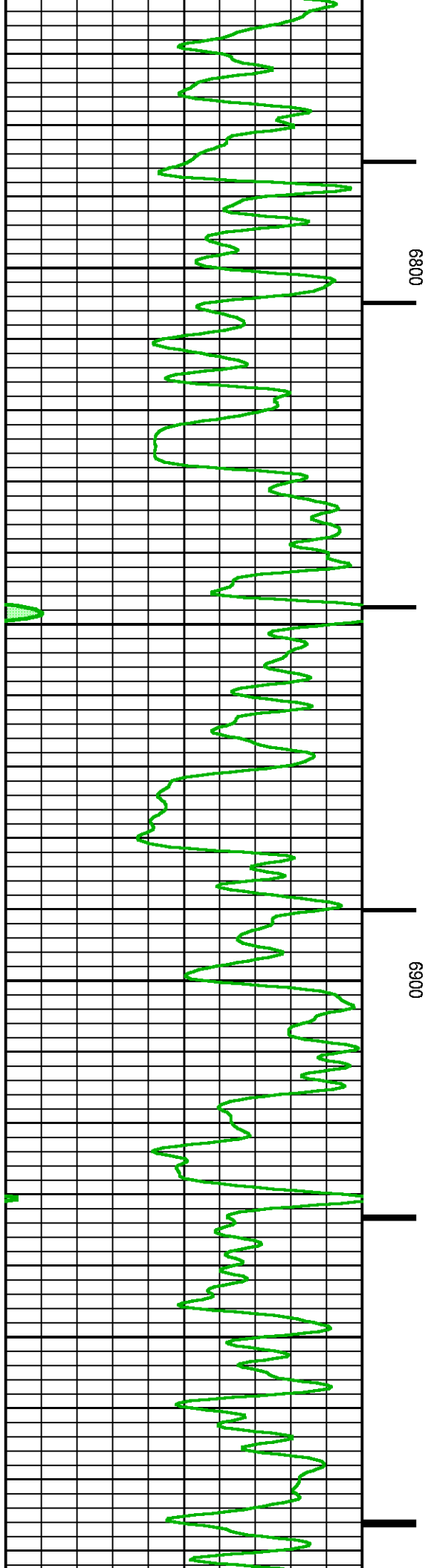


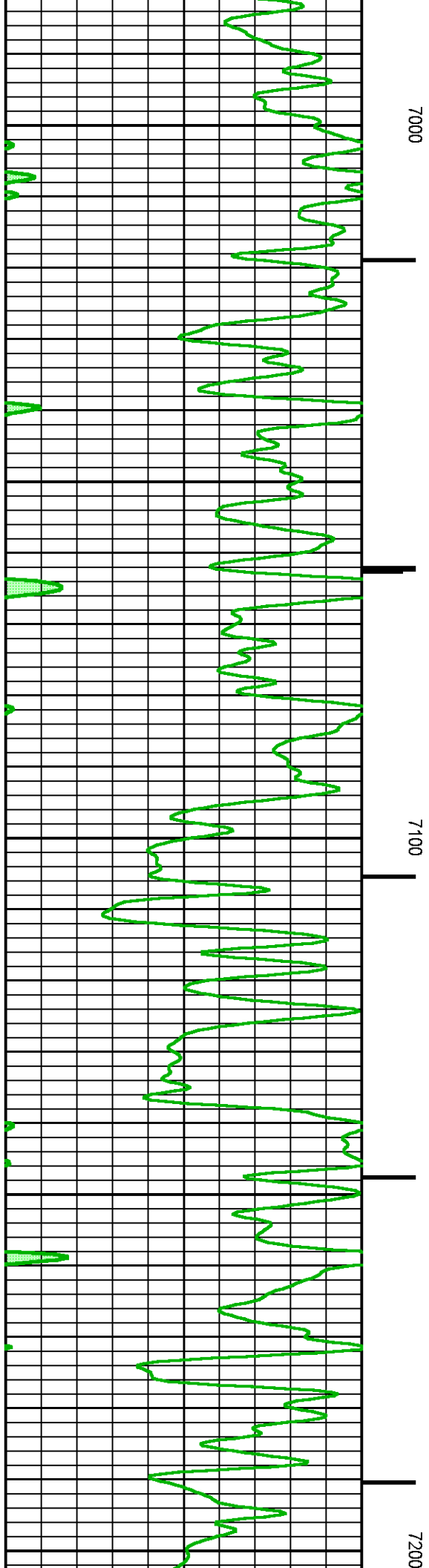
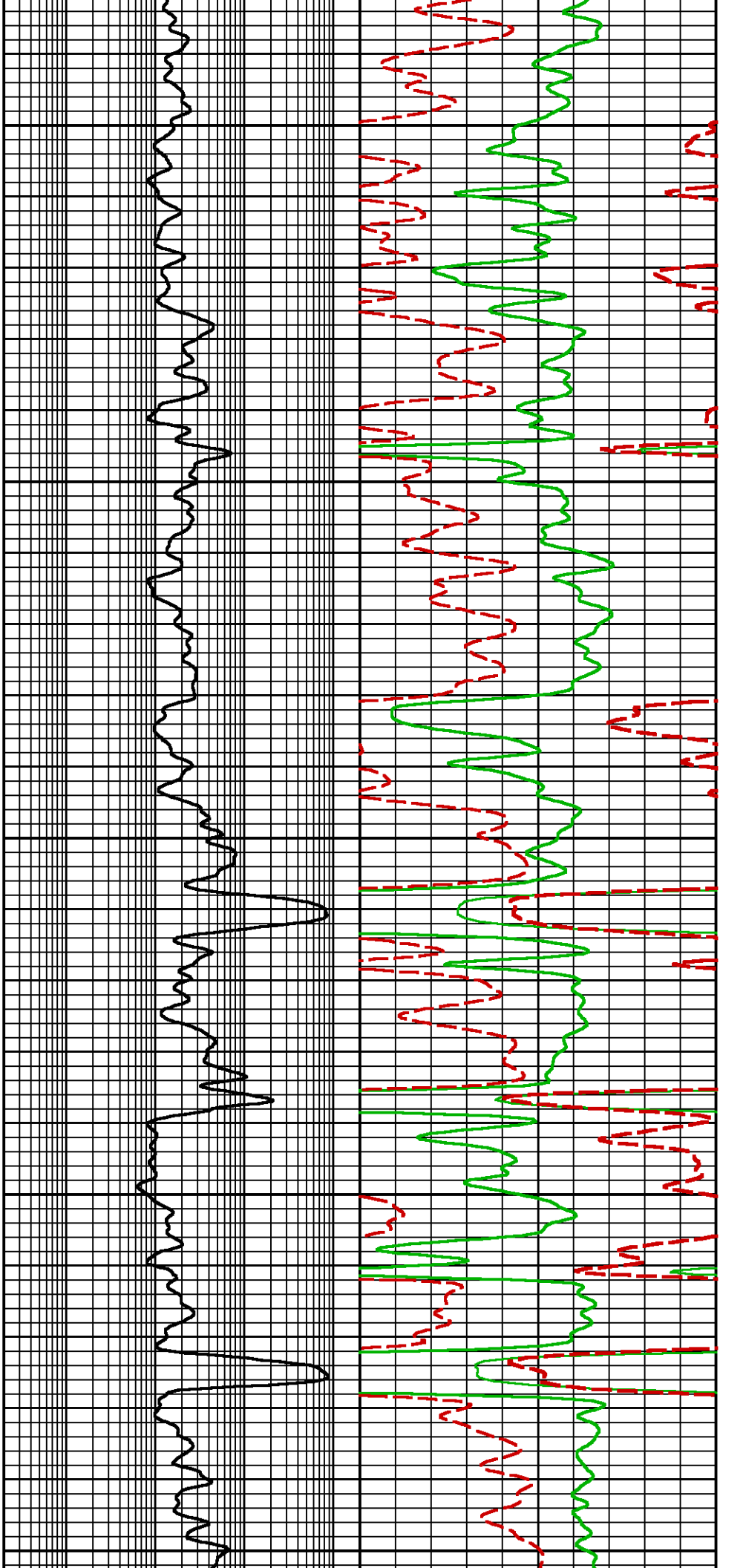


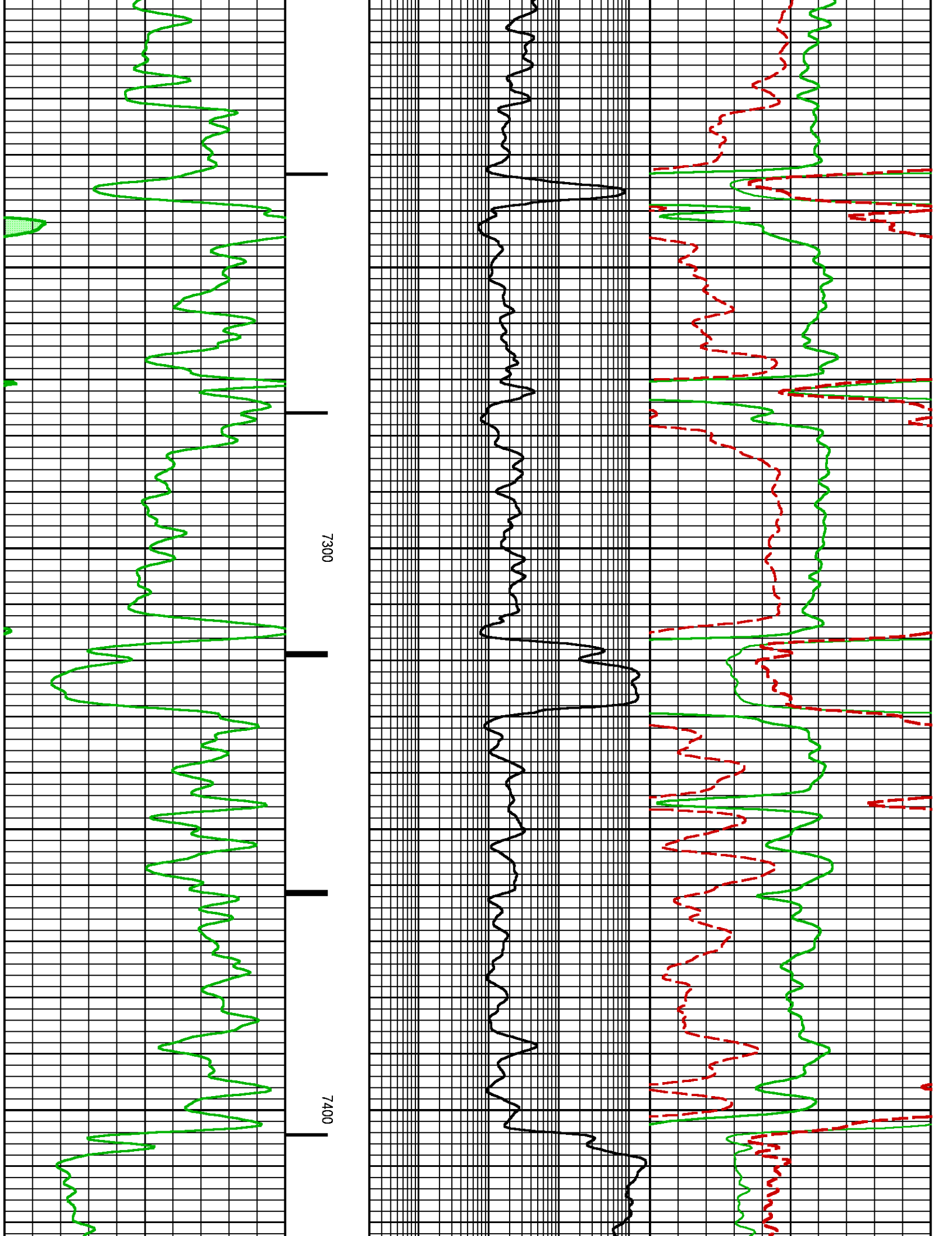


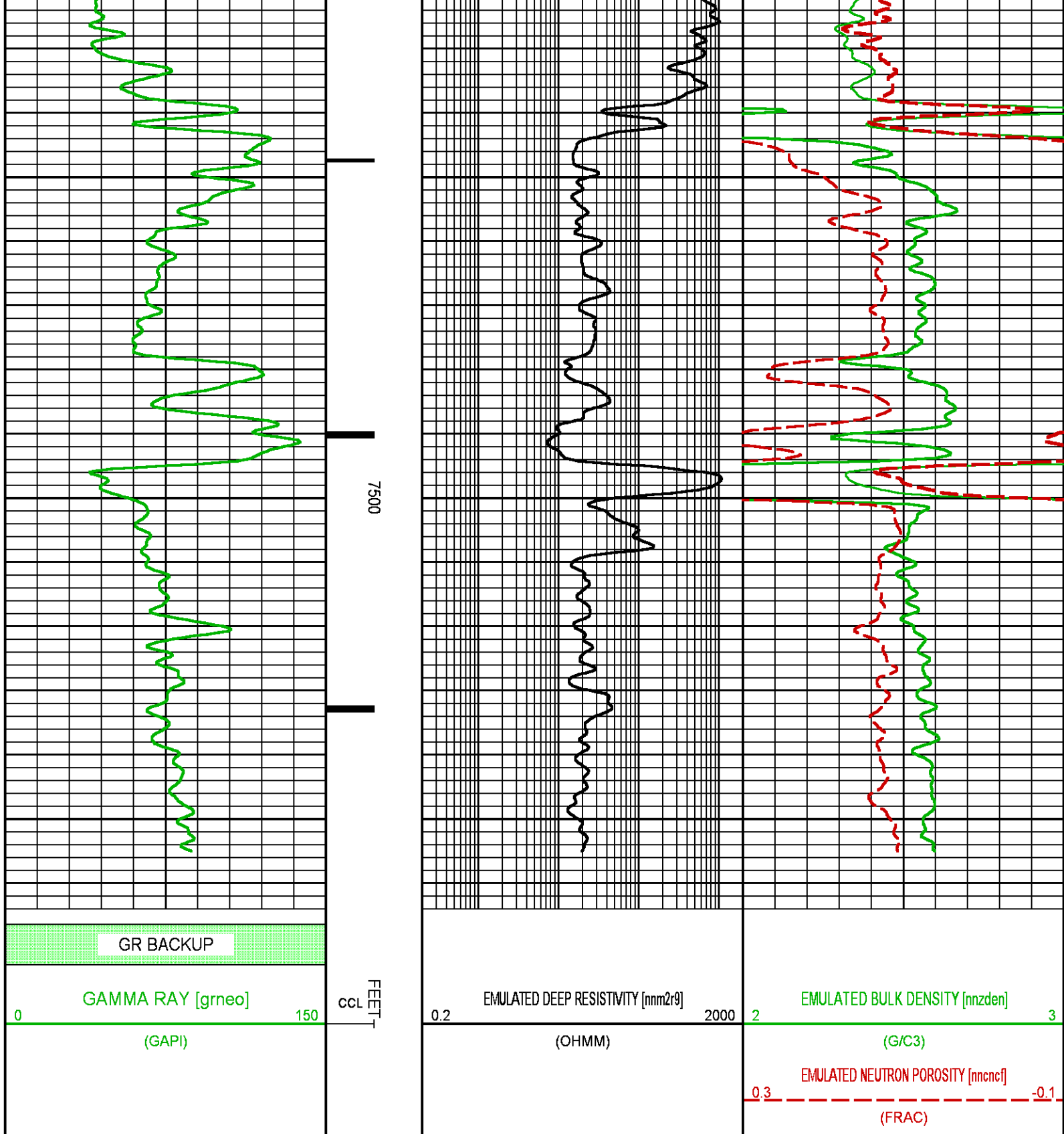












**BAKER  
HUGHES**  
a GE company



**COMPANY**  
**WELL**  
**FIELD**  
**COUNTY**

**LARAMIE ENERGY LLC**  
**NICHOLS 0994-24-15E**  
**VEGA**  
**MESA**

**STATE** **COLORADO**

**FILE NO:**

**API NO:**

**05-077-10392-0000**

**LOCATION:**

SEE REMARKS

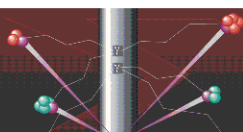
**ELEVATIONS:**

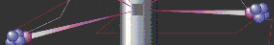
KB 7236 FT

DF

GL 7212 FT

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SEC 24 TWP 9S RGE 94WDATE 9-JUL-2018