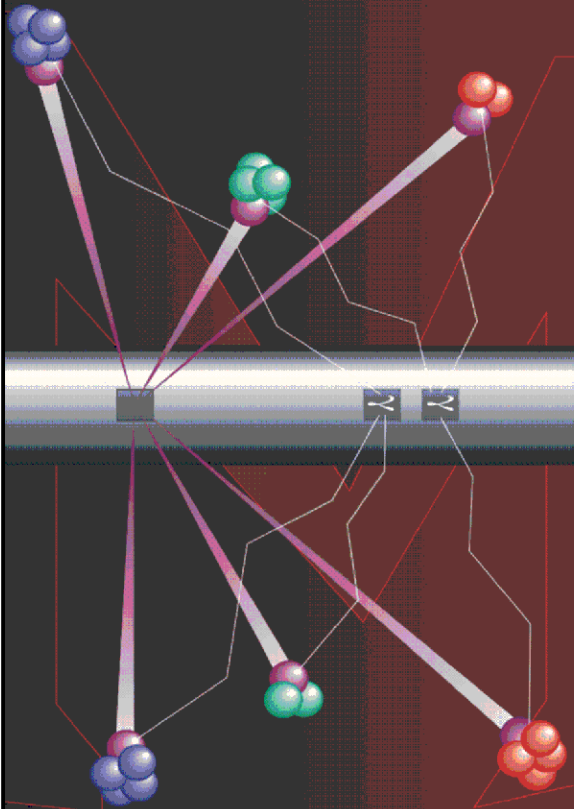


Pulsed Neutron Formation Evaluation



RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL GUNDERSON 0994-13-12W

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS

SEC 13 TWP 9S RGE 94W

ELEVATIONS:

KB 7302 FT DF GL 7272 FT

DATE 18-JUN-2018 ECC 136847

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>18-JUN-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>M. BAUKA</u>	DATE: <u>13-JUN-2018</u>

FROM	TO								
<u>2175 FT</u>	<u>7488 FT</u>								

REMARKS

LOCATION: LAT: 39.273903N LONG: 107.835218W

TRAINING WELL:
GUNDERSON 13-06W

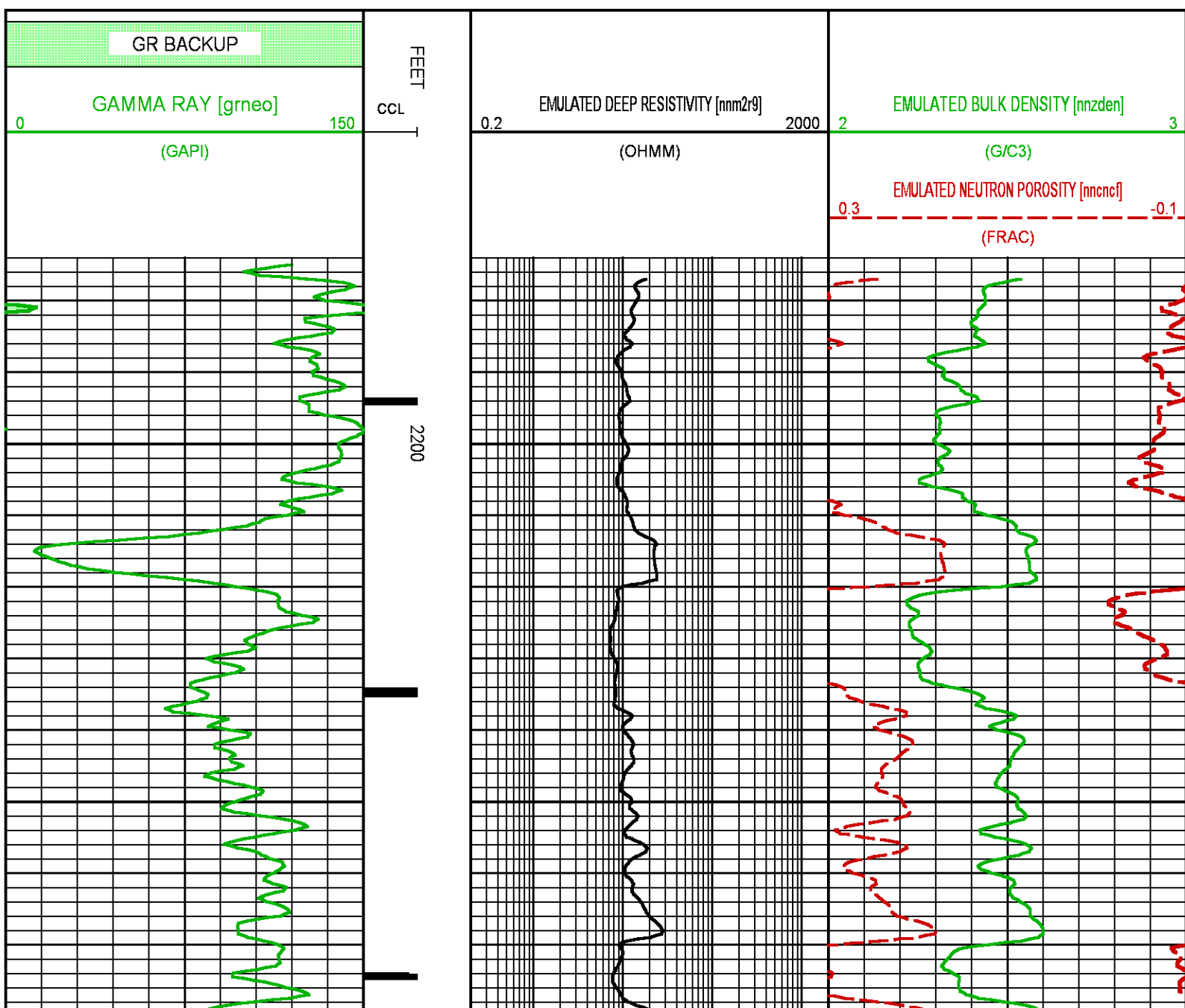
ANY ERRORS IN THE TRAINING WELL OPENHOLE DATA CAN PERETUATE THROUGH AS ERROR IN THE EMULATED RESULTS

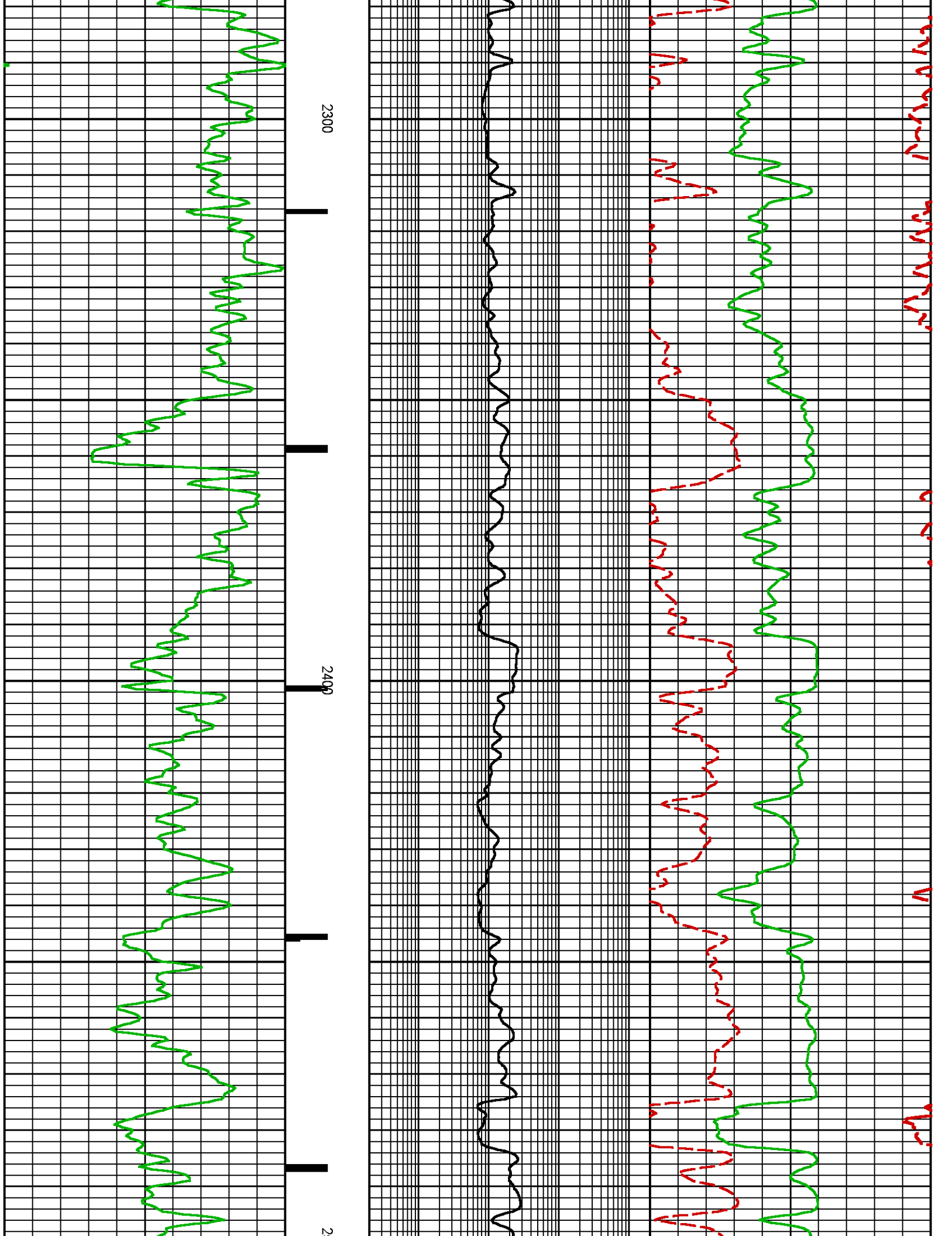
BOND LOG IS DEPTH REFERENCE LOG

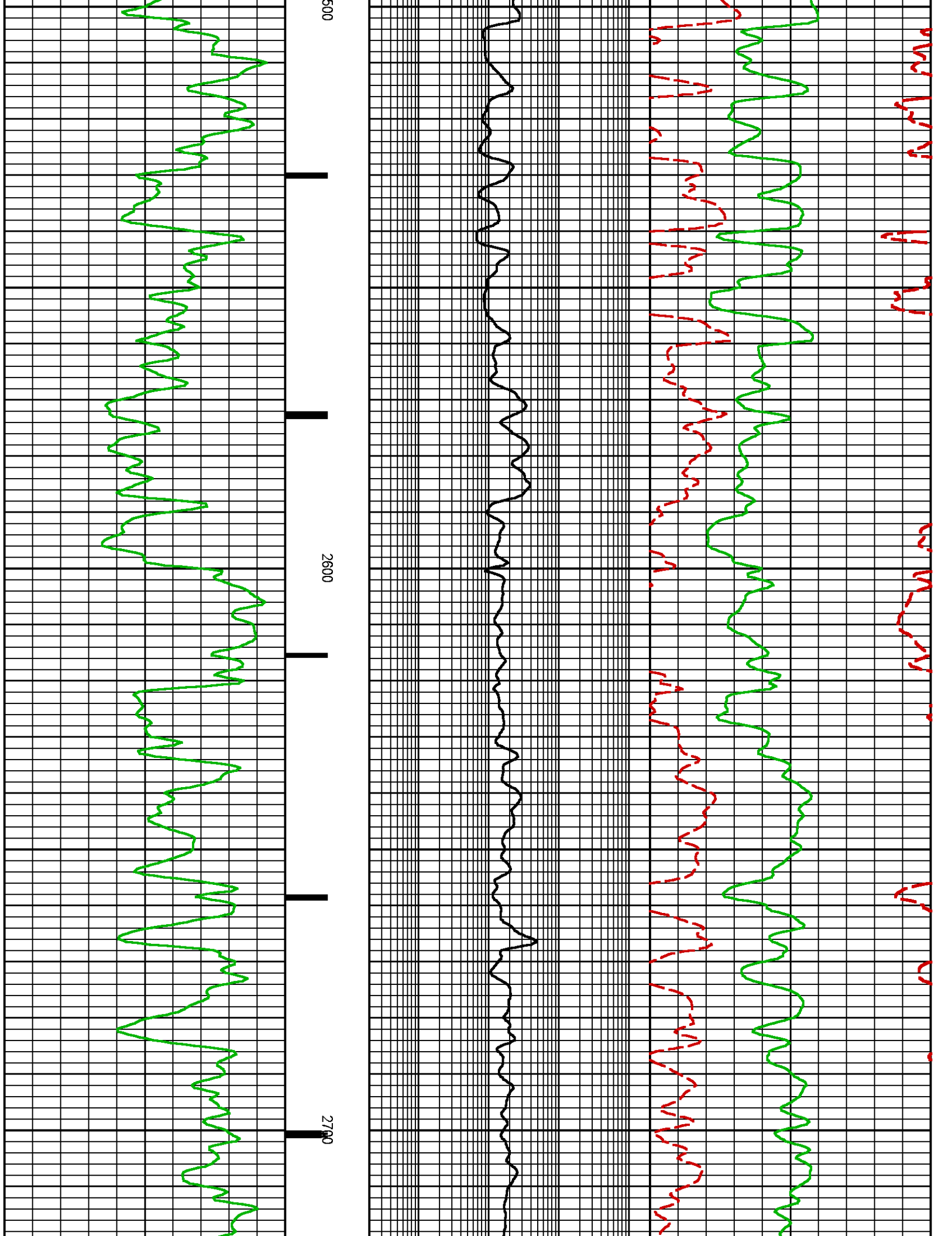
NEO RESULTS FOR GUNDERSON 0994-13-12W (G-SAND)

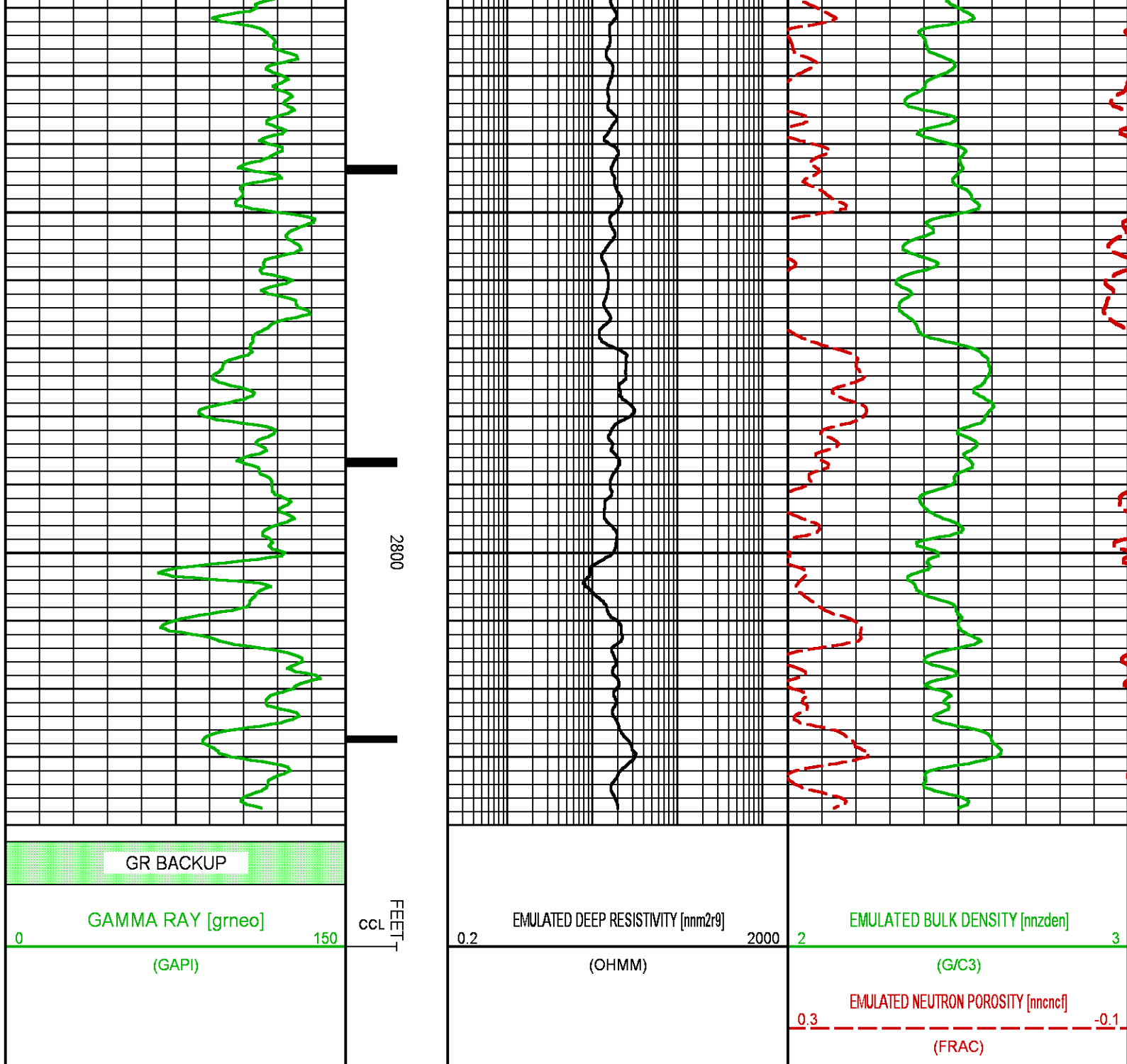
Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_gunderson_13_12w\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2175 - 2840 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_gunderson_13_12w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : GUNDERSON 0994-13-12W
Field : VEGA
File Interval : 2175 - 7487 Feet
OCT : NA









NEO RESULTS FOR GUNDERSON 0994-13-12W (MAIN)

Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_gunderson_13_12w\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100" Scale]
Plot Interval : 4275 - 7487 Feet
Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_gunderson_13_12w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC

Well : GUNDERSON 0994-13-12W
Field : VEGA
File Interval : 2175 - 7487 Feet
OCT : NA

GR BACKUP

GAMMA RAY [grneo]

(GAPI)

FEET

CCL

4300

4400

EMULATED DEEP RESISTIVITY [nnm2r9]

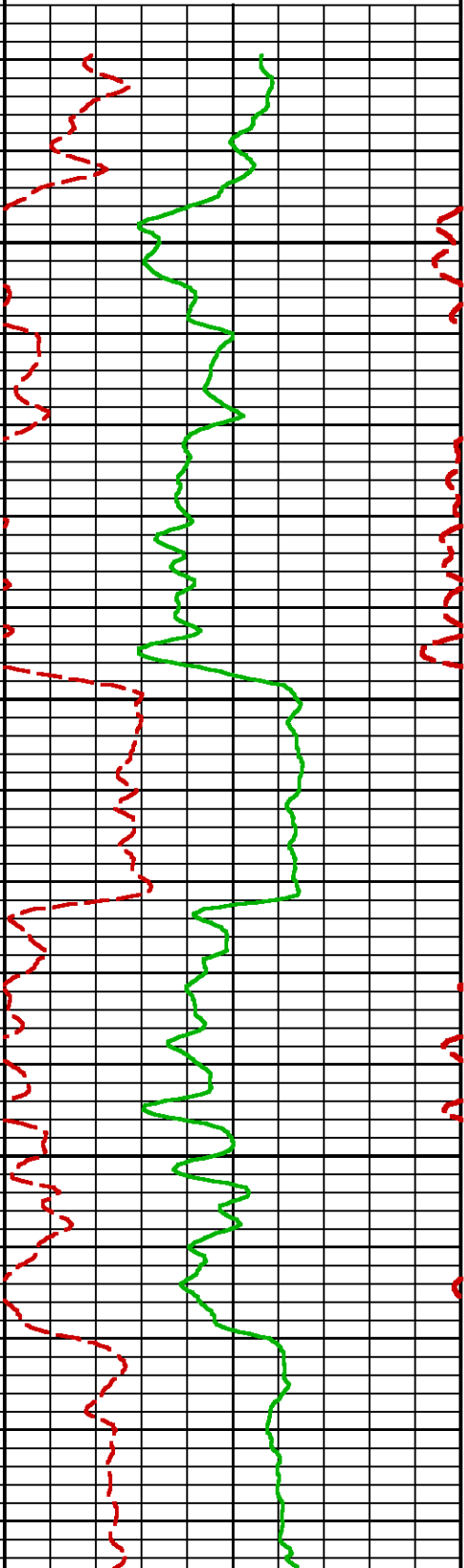
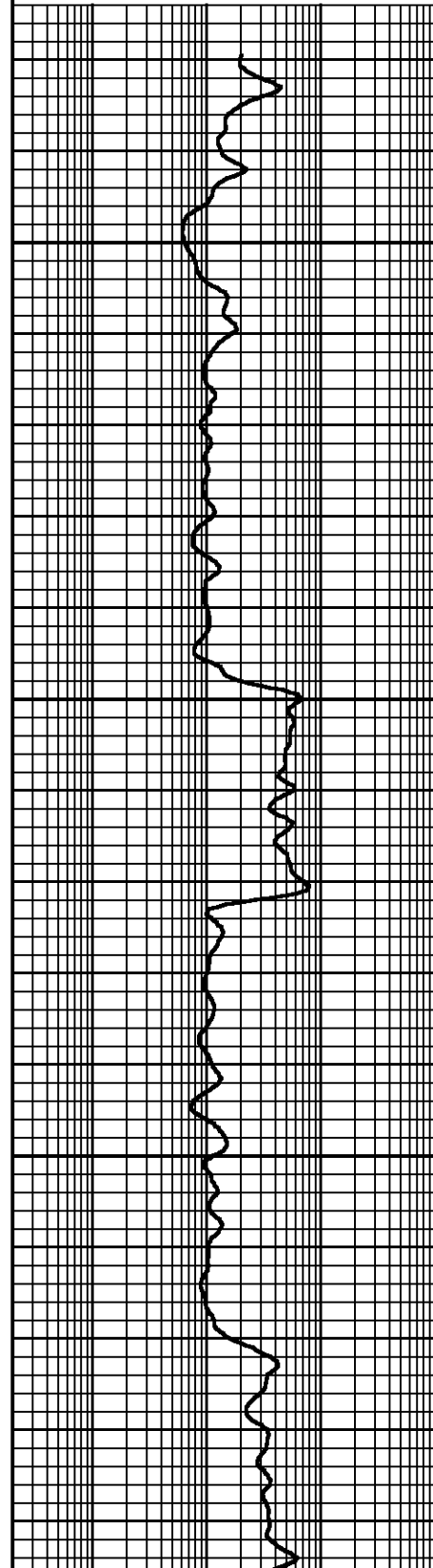
(OHMM)

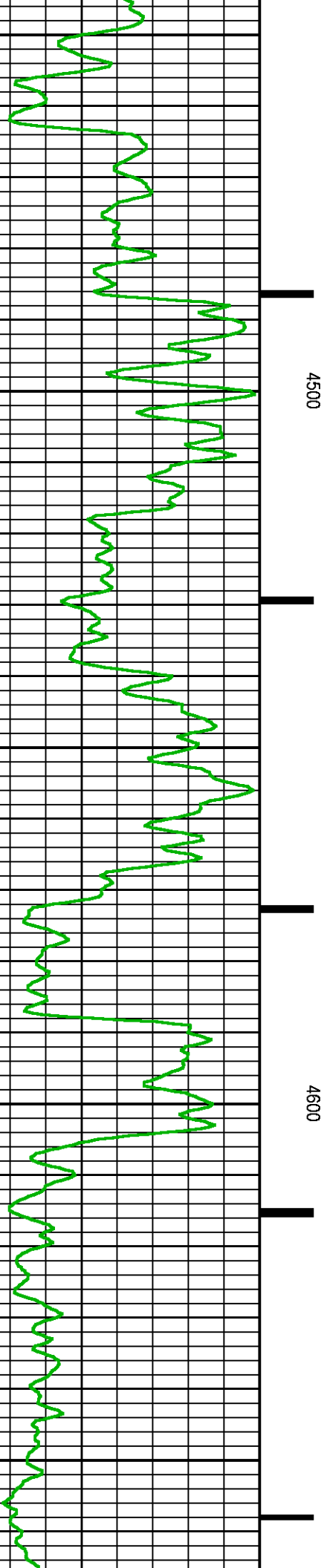
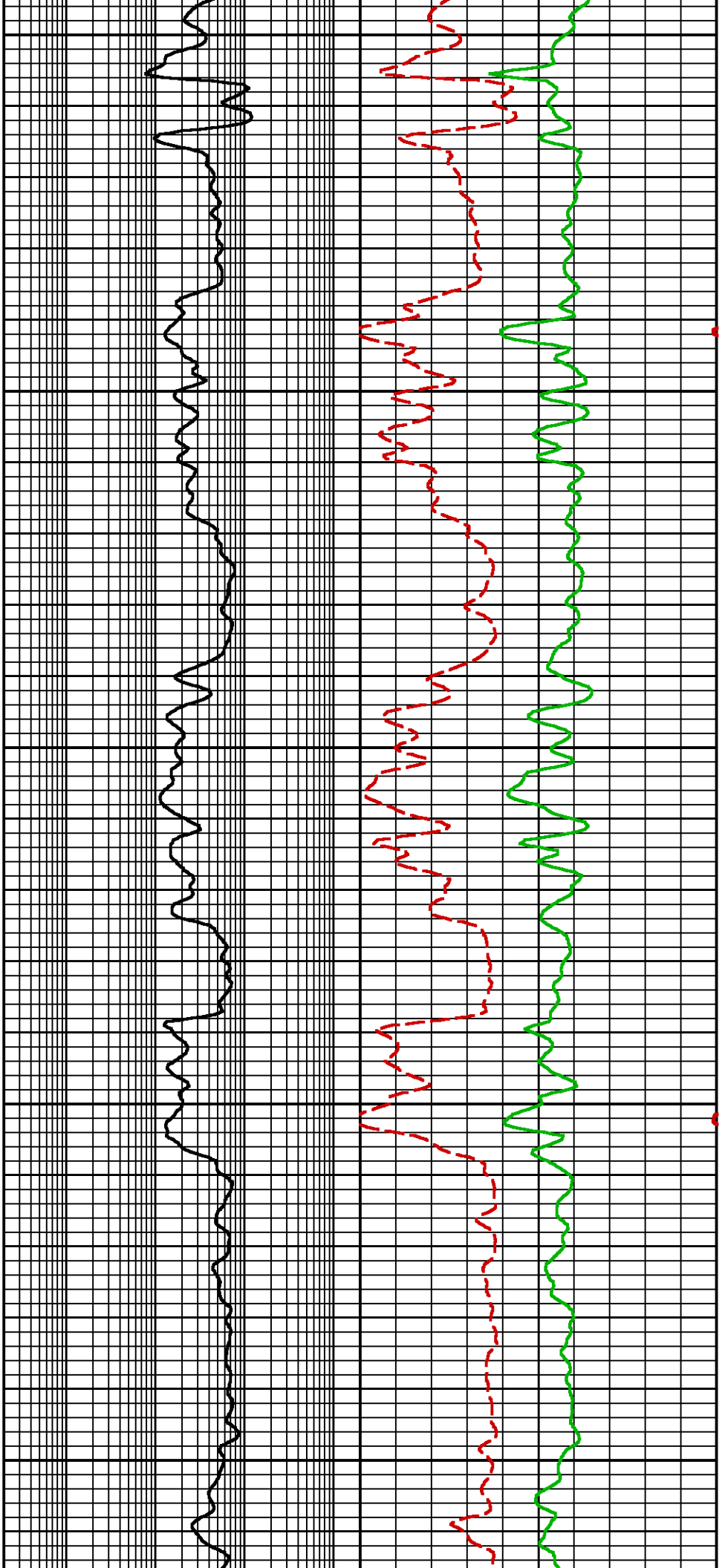
EMULATED BULK DENSITY [nnzden]

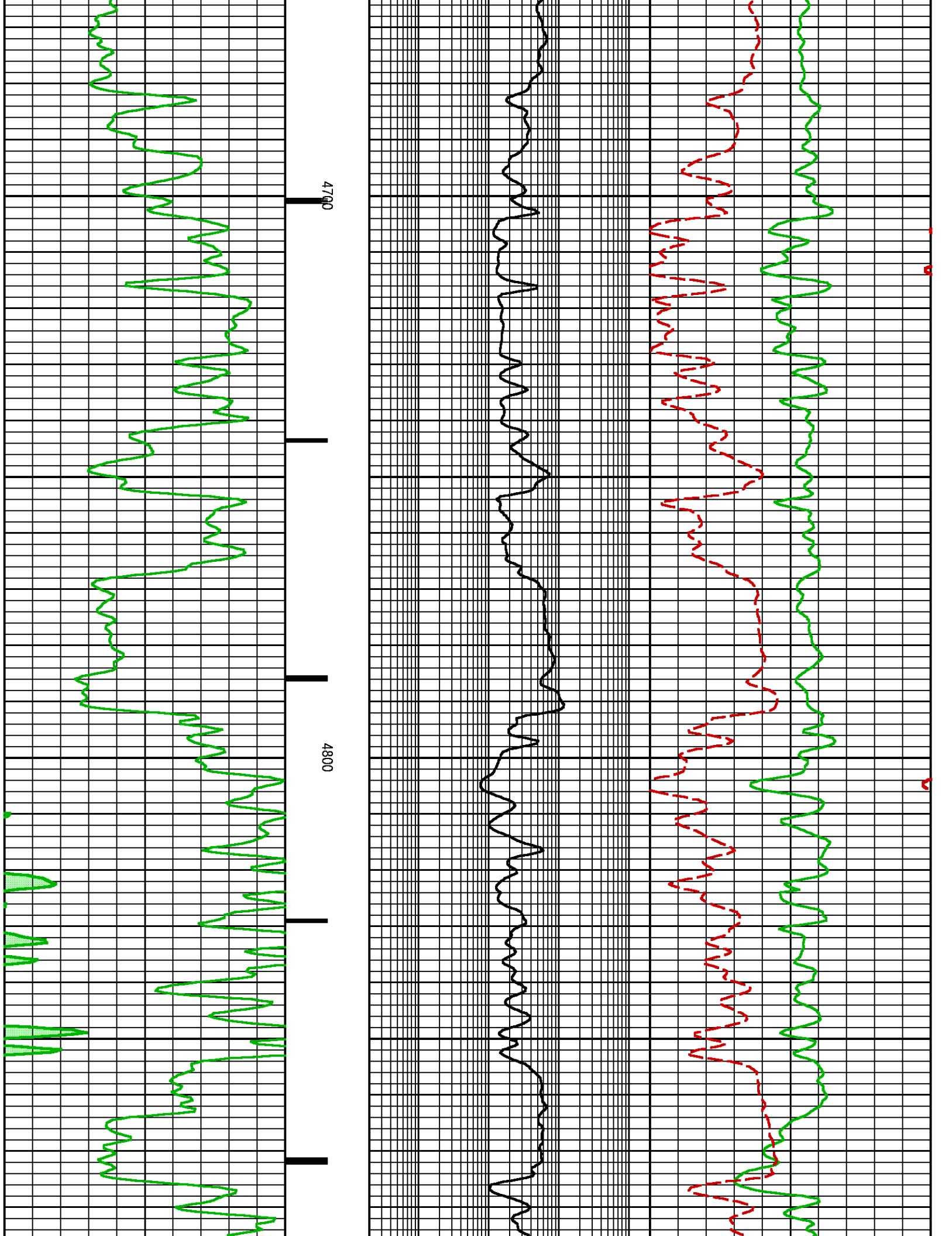
(G/C3)

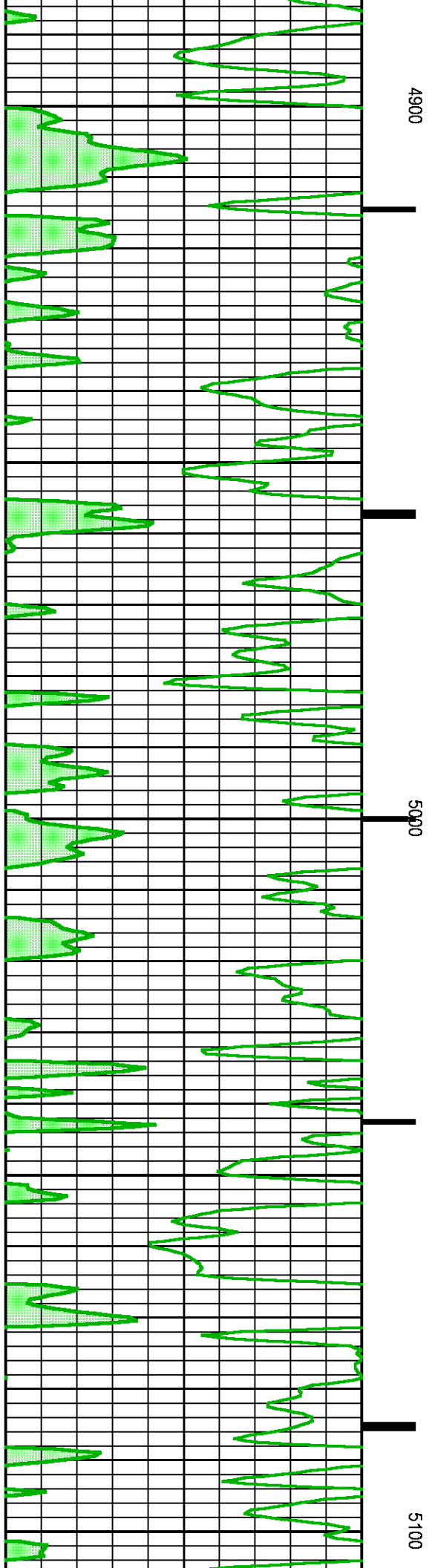
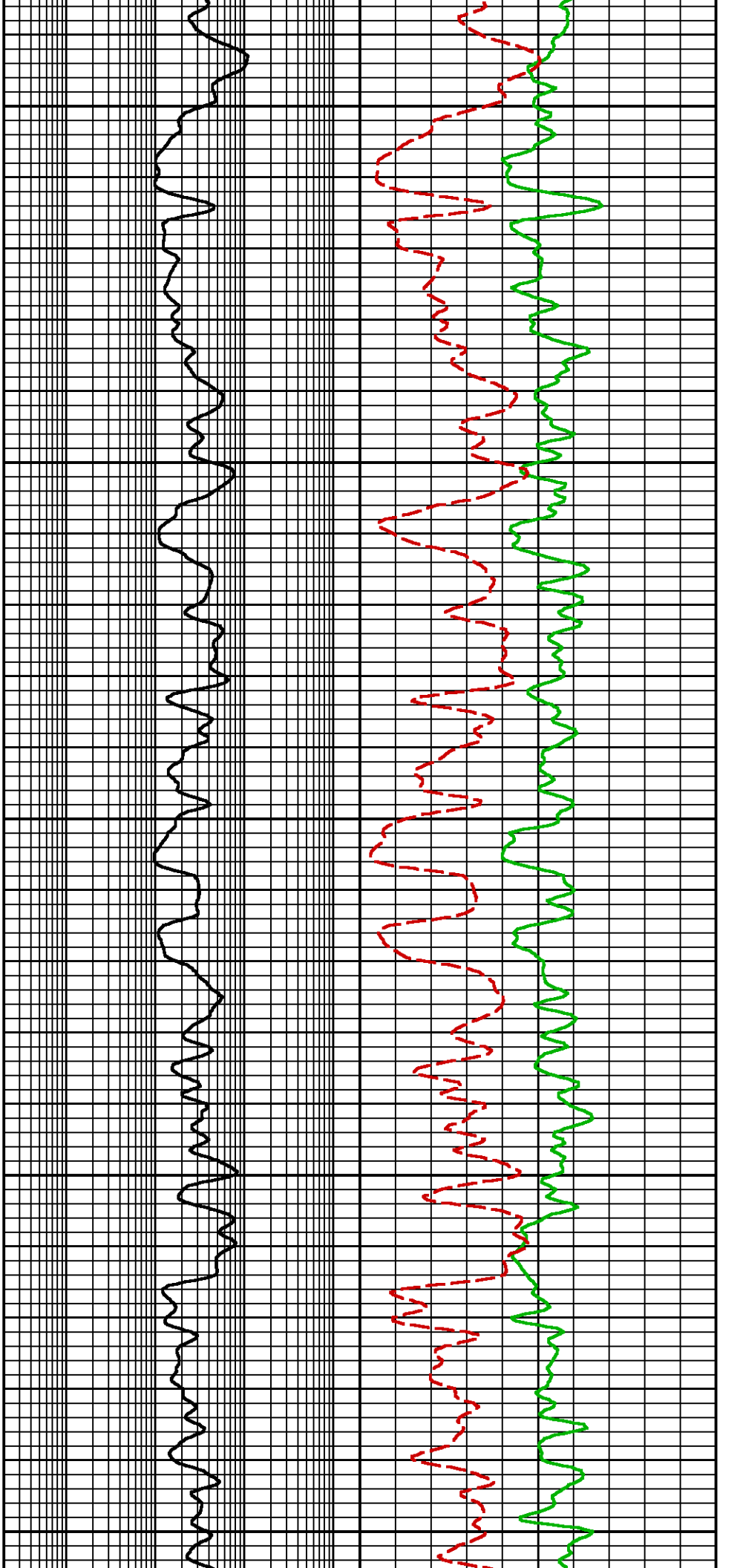
EMULATED NEUTRON POROSITY [nnncf]

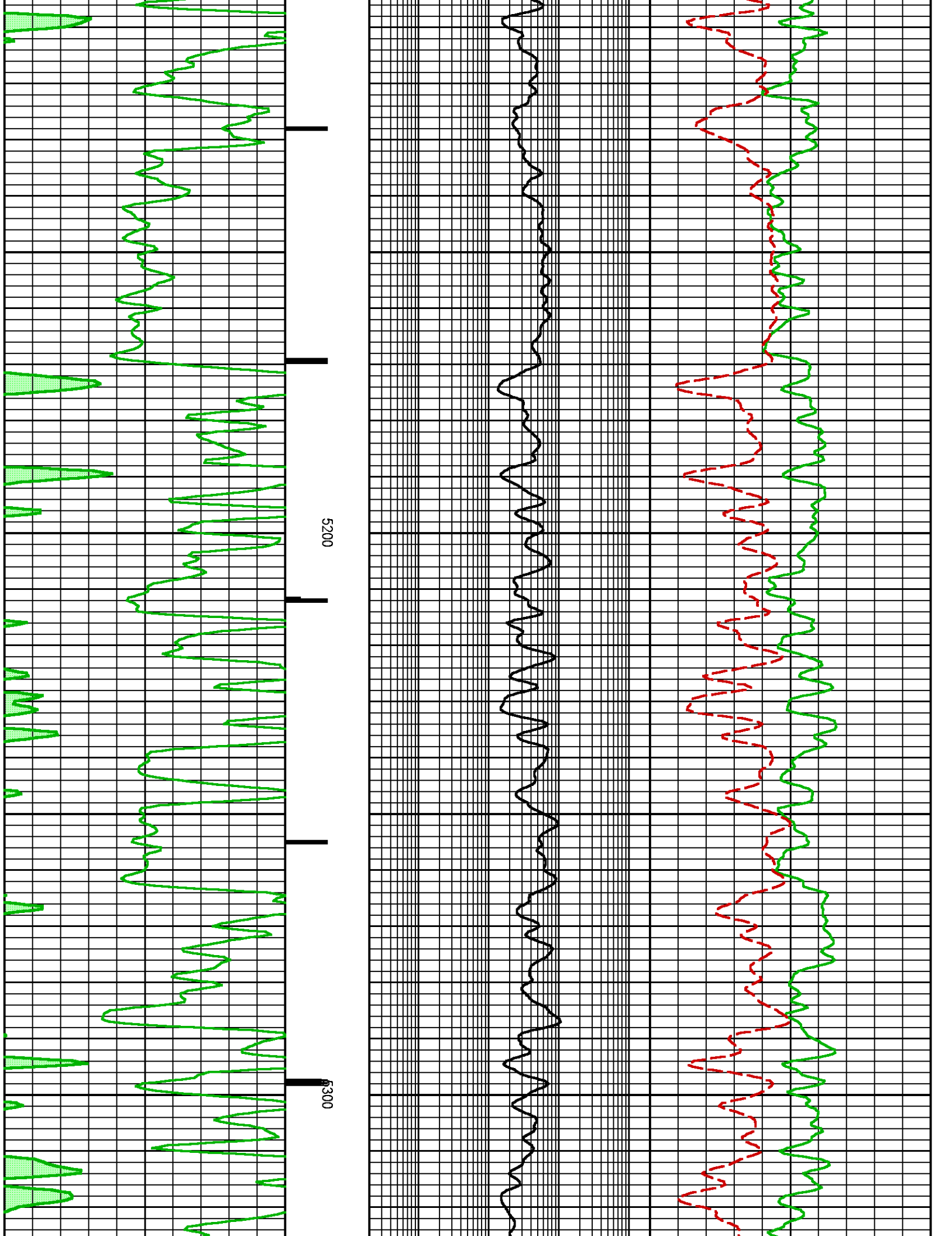
(FRAC)

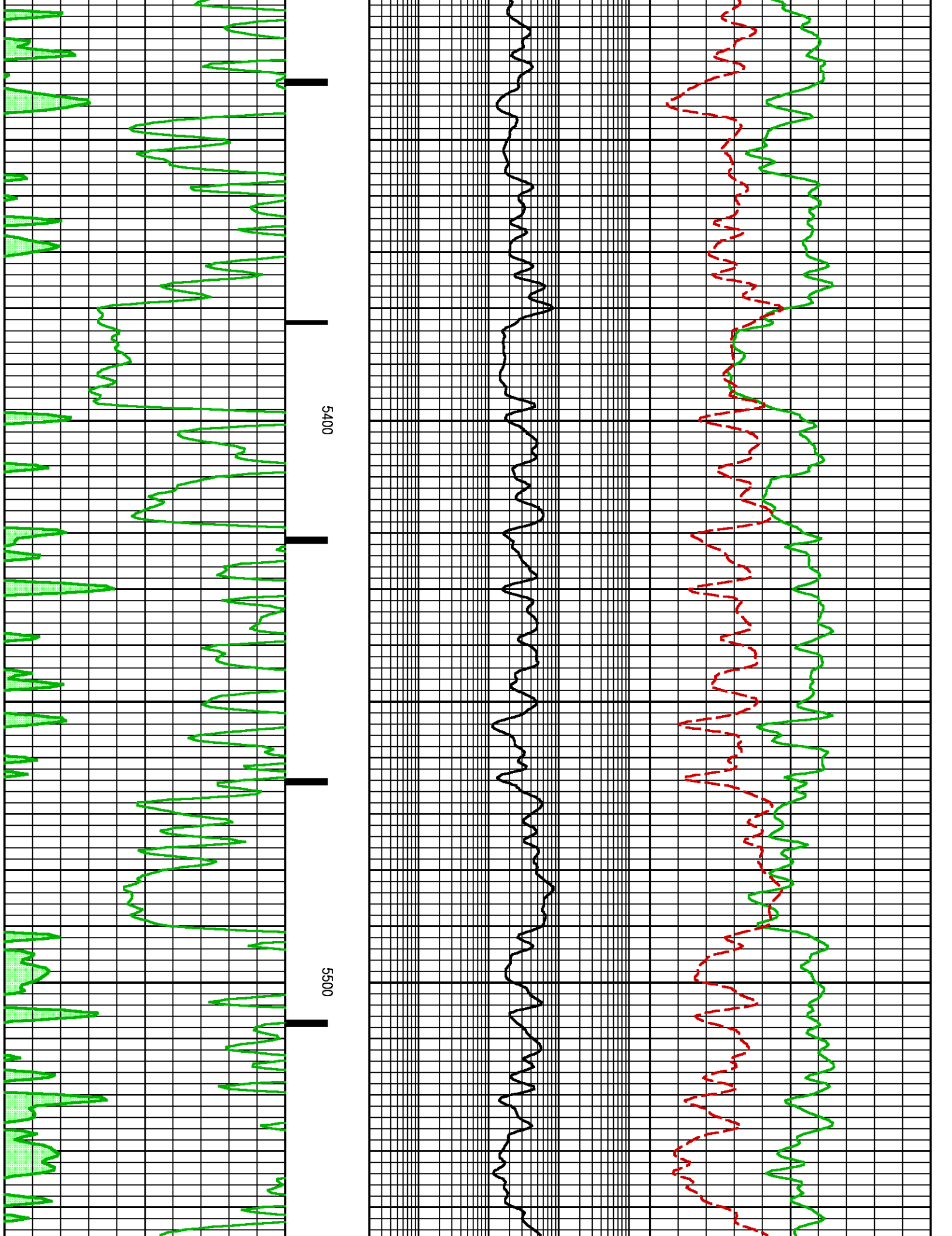


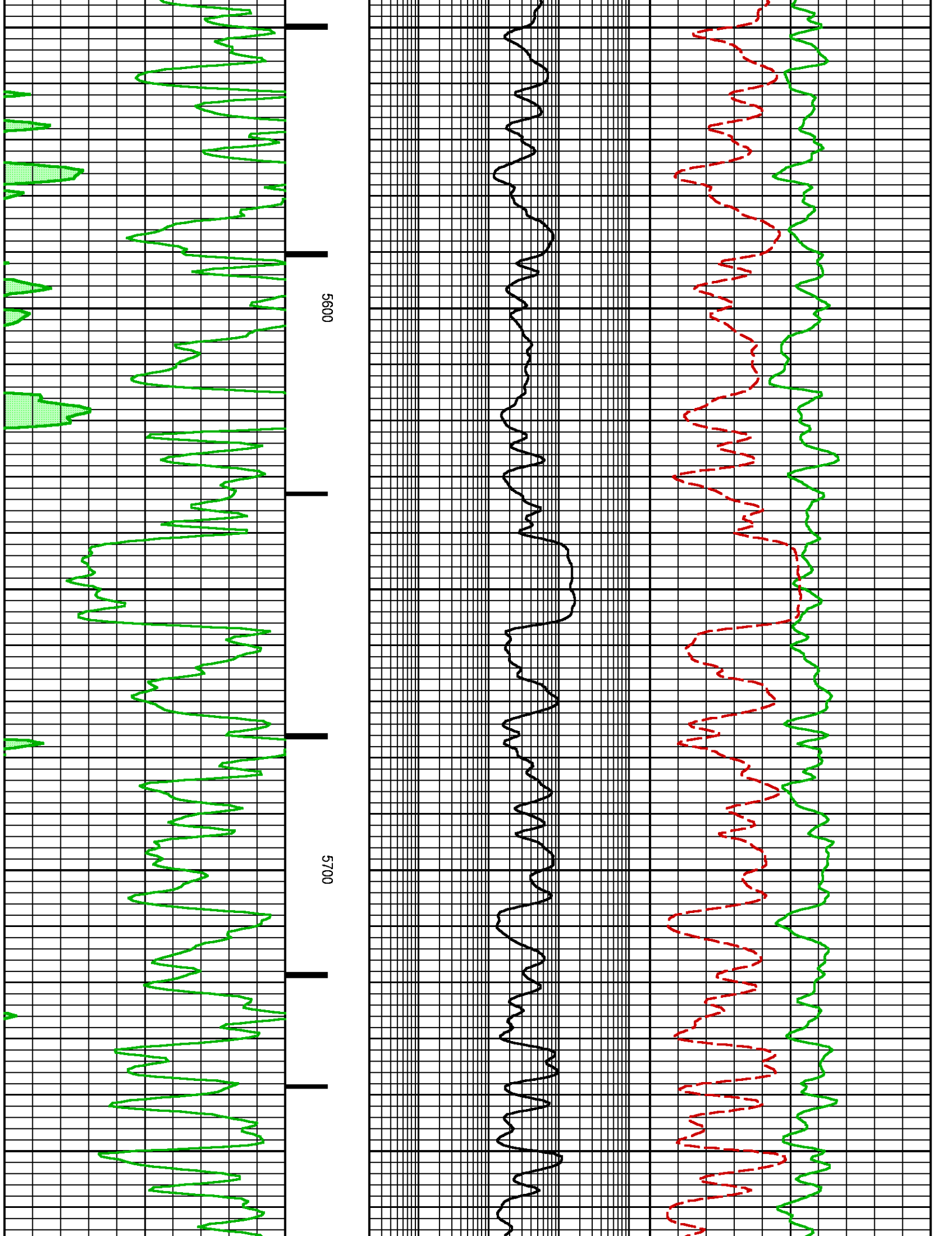


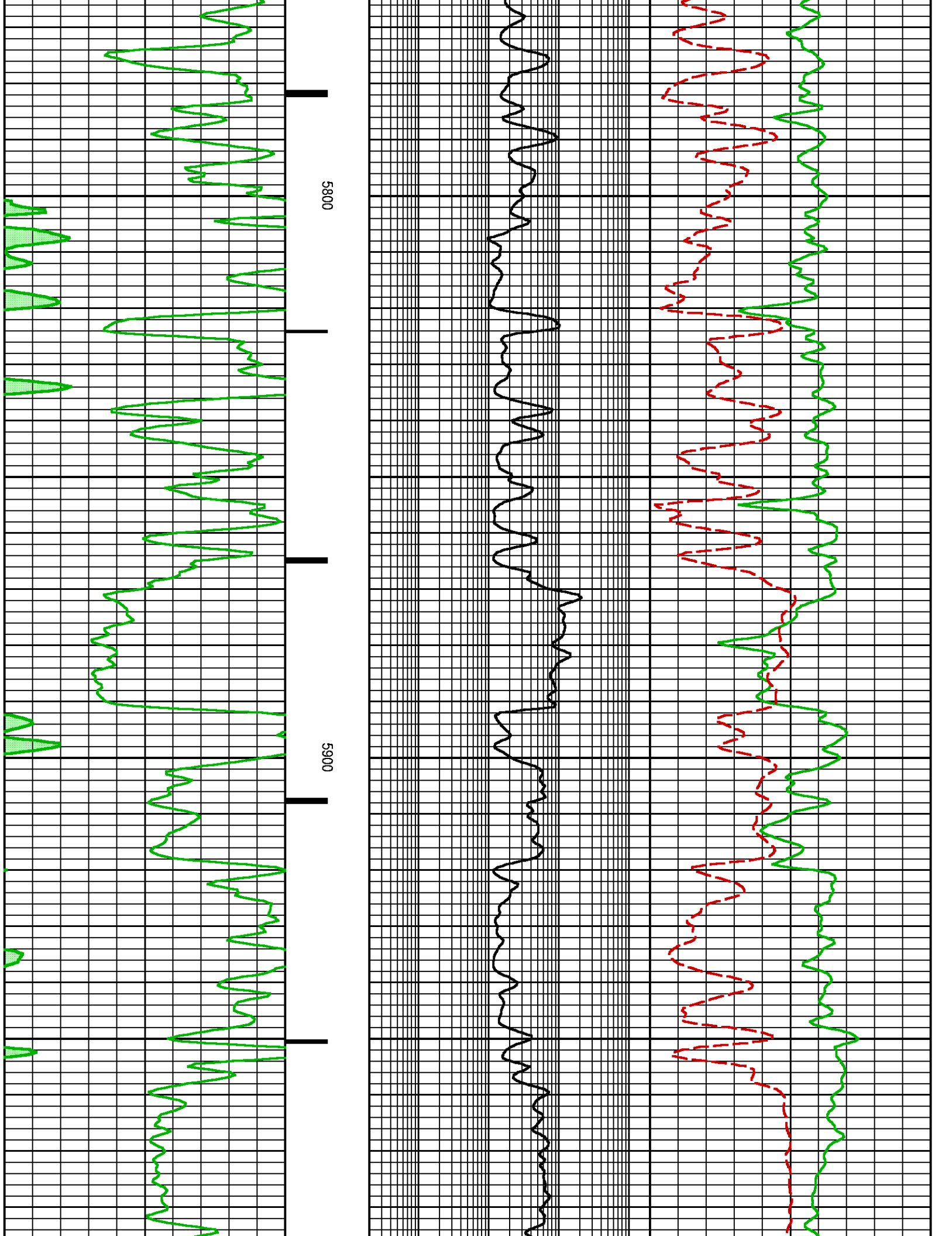


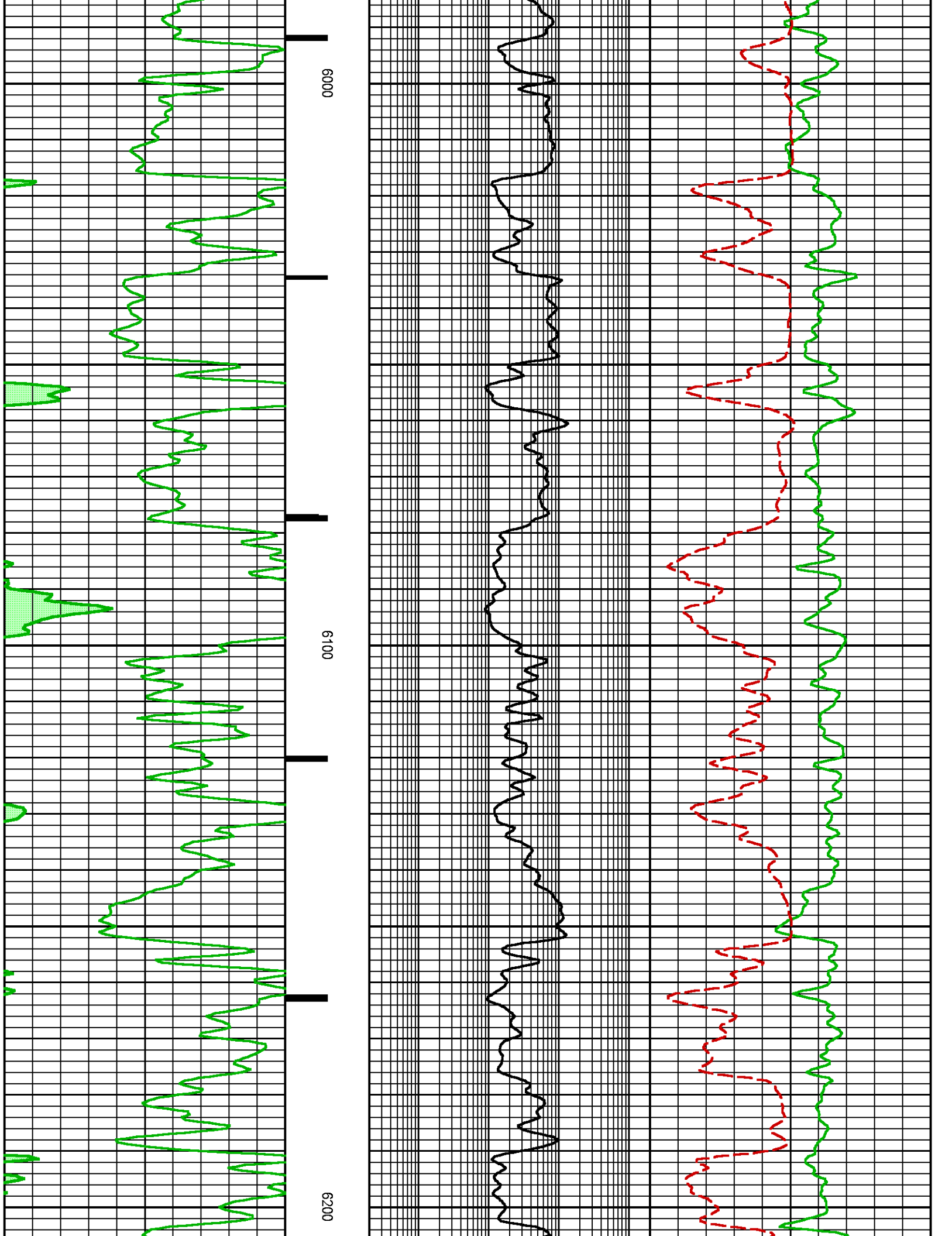


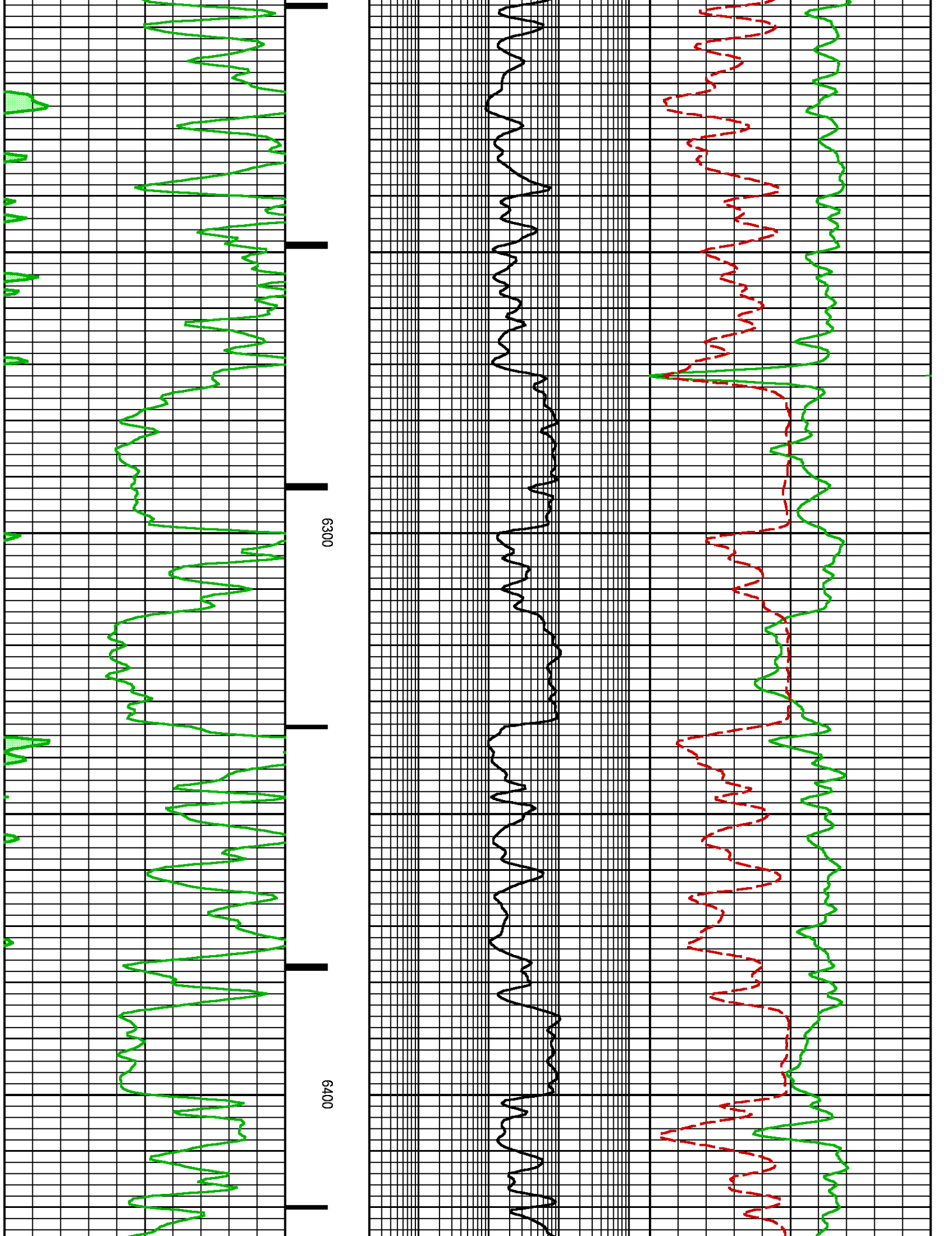


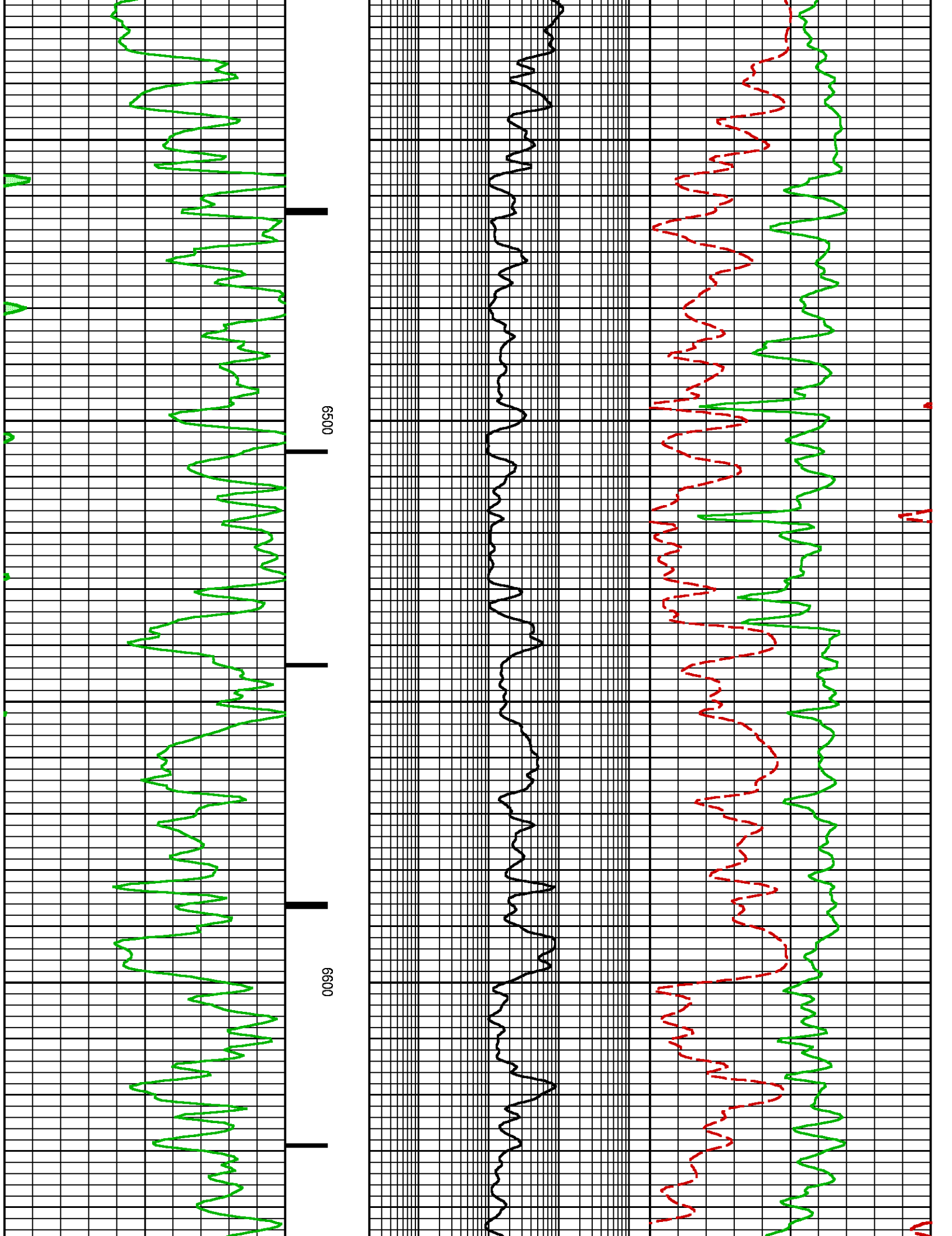


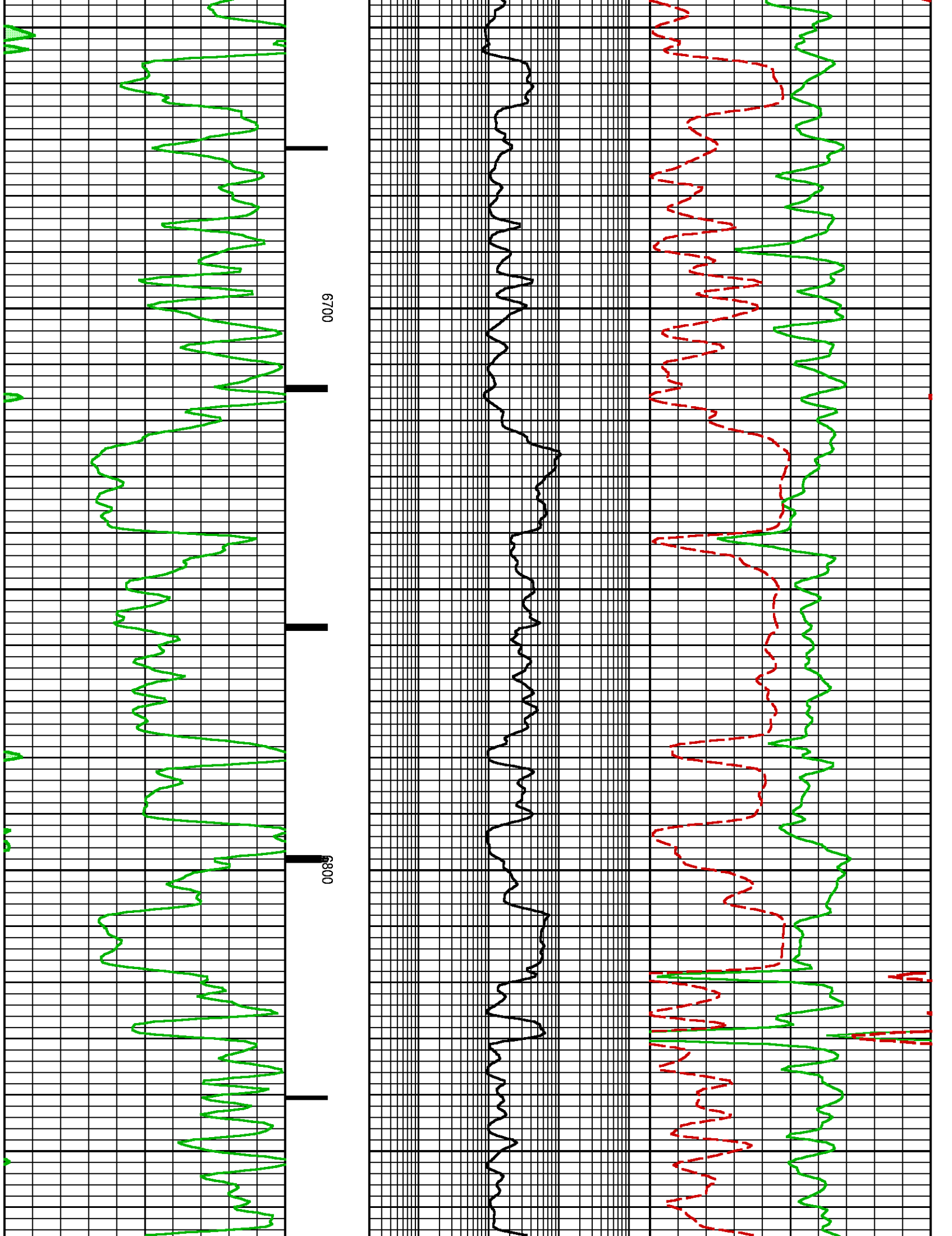


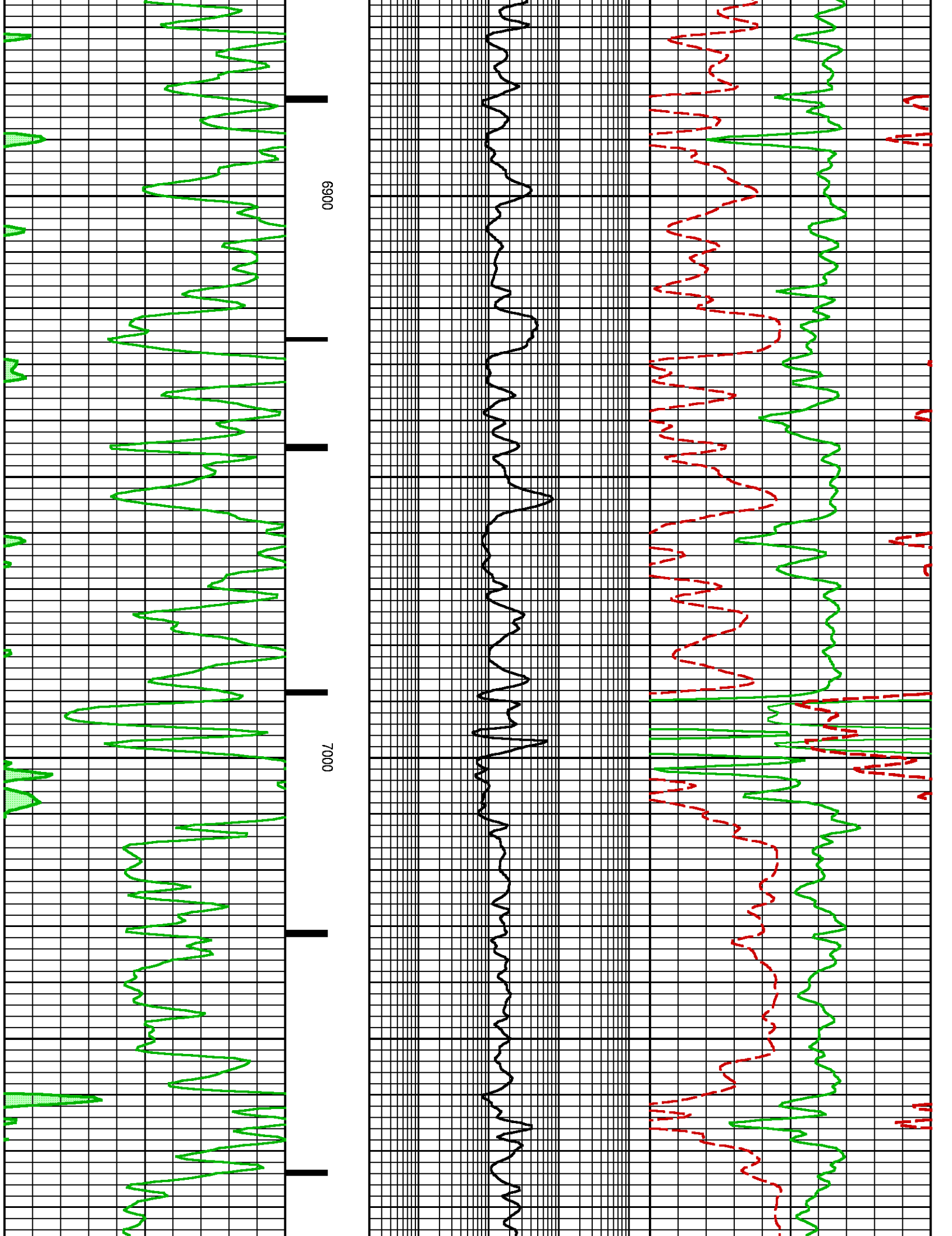


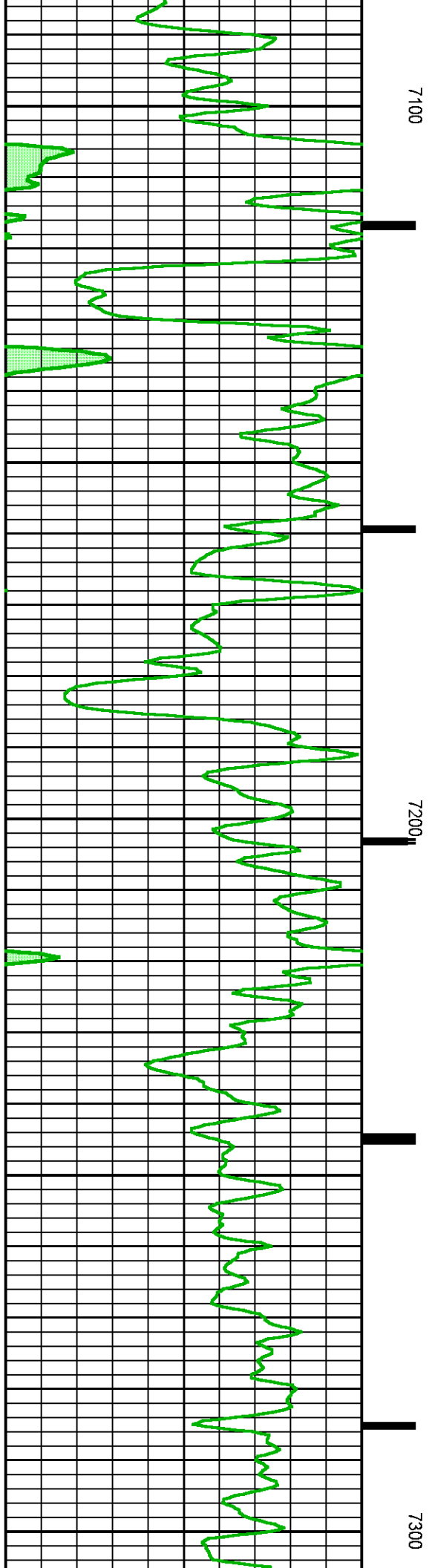
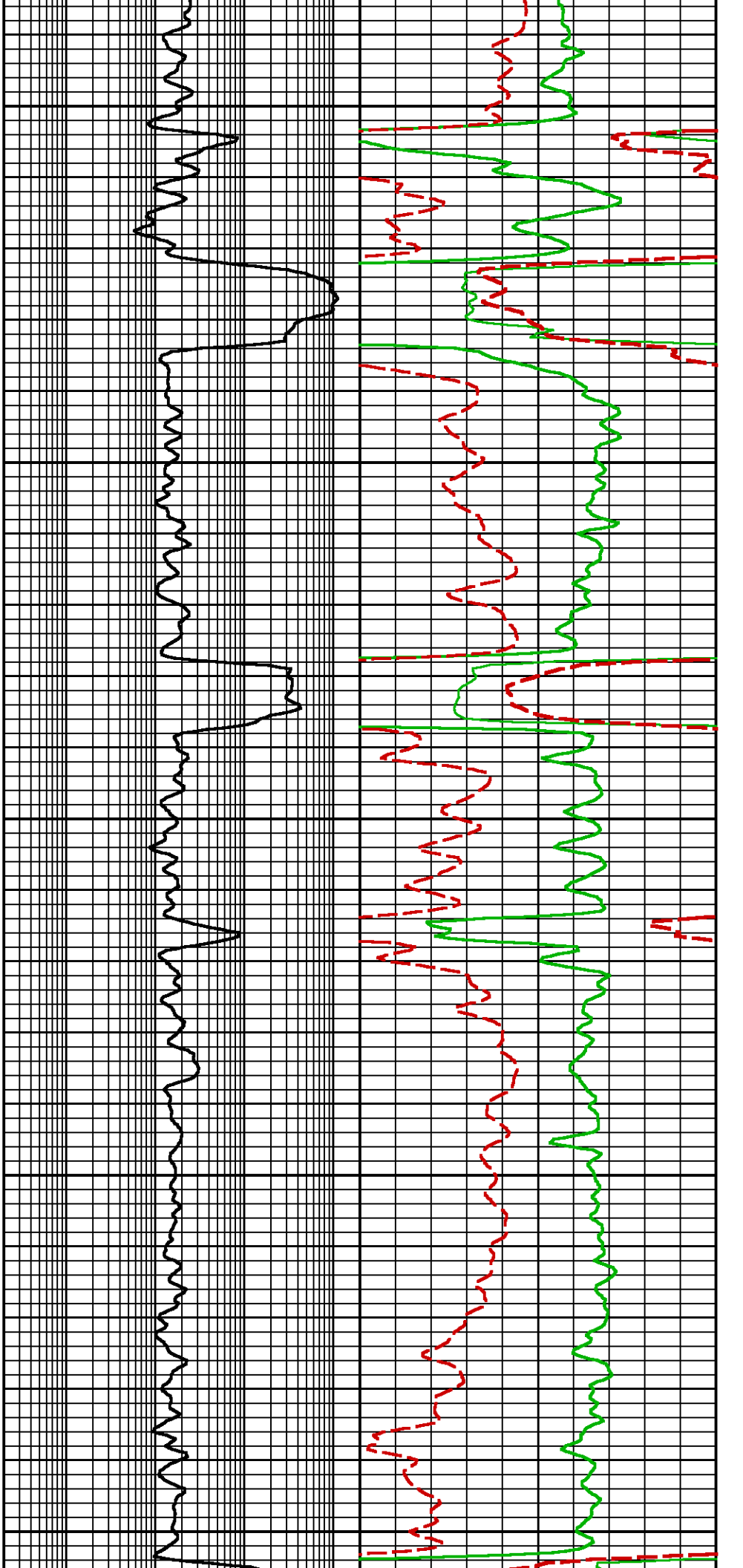


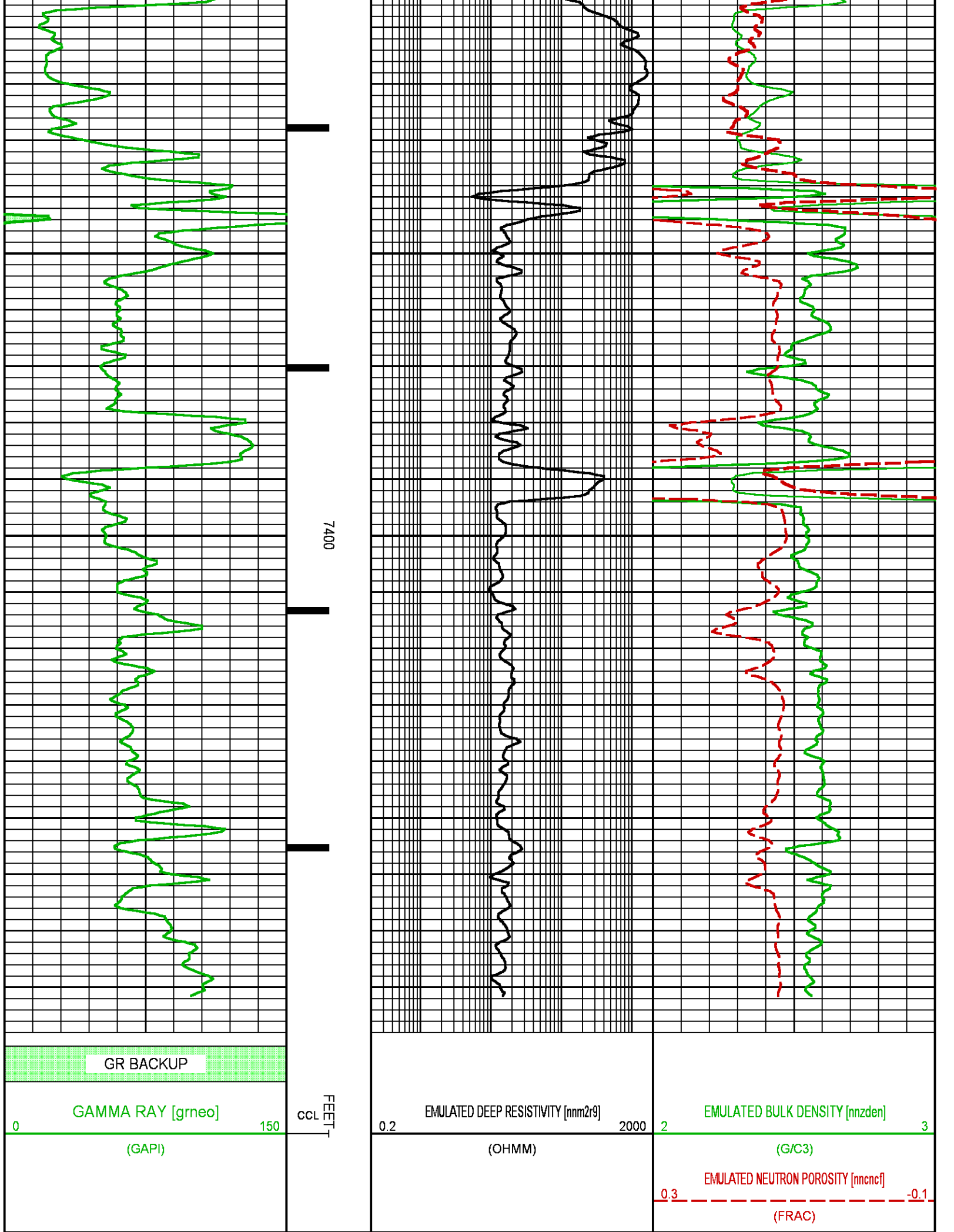












**BAKER
HUGHES**
a GE company



COMPANY LARAMIE ENERGY LLC
WELL GUNDERSON 0994-13-12W
FIELD VEGA
COUNTY MESA **STATE** COLORADO

FILE NO: _____
API NO: 05-077-10534-0000

LOCATION:

SEE REMARKS

ELEVATIONS:

KB 7302 FT

DF

GL 7272 FT

SEC 13 **TWP** 9S **RGE** 94W

DATE 18-JUN-2018

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Formation Evaluation

