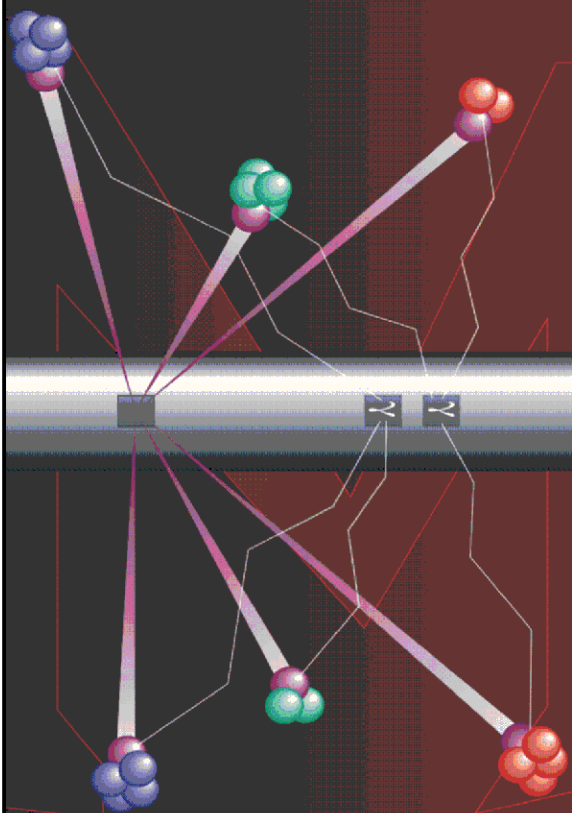


**BAKER
HUGHES**
a GE company



Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL NICHOLS FEDERAL 0994-24-18E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 24 TWP 9S RGE 94W

ELEVATIONS:

KB 7236.0 FT DF GL 7212.0 FT

DATE 02-JUL-2018 ECC CALGARY GEOSCIENCE

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>CALGARY GEOSCIENCE</u>	LOG ANALYST: <u>A. KOTOV</u>		DATE: <u>11-JUL-2018</u>
FIELD DATA	LOCATION: <u>GRAND JCT.</u>		ENGINEER: <u>T.NEWELL/US137654</u>	DATE: <u>02-JUL-2018</u>
FROM	TO			
<u>2270 FT</u>	<u>7828 FT</u>			

REMARKS

LOCATION:
SHL: 2309' FNL & 2791' FWL
BHL: 942' FSL & 1430' FEL

TRAINING WELL:
NICHOLS 0994-24-06W

ANY ERRORS IN THE TRAINING WELL OPEN HOLE DATA CAN PERPETUATE THROUGH AS AN ERROR IN THE EMULATED RESULTS.

BONG LOG IS DEPTH REFERENCE LOG

NEO RESULTS FOR NICHOLS FEDERAL 0994-24-18E (G-SAND)

ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

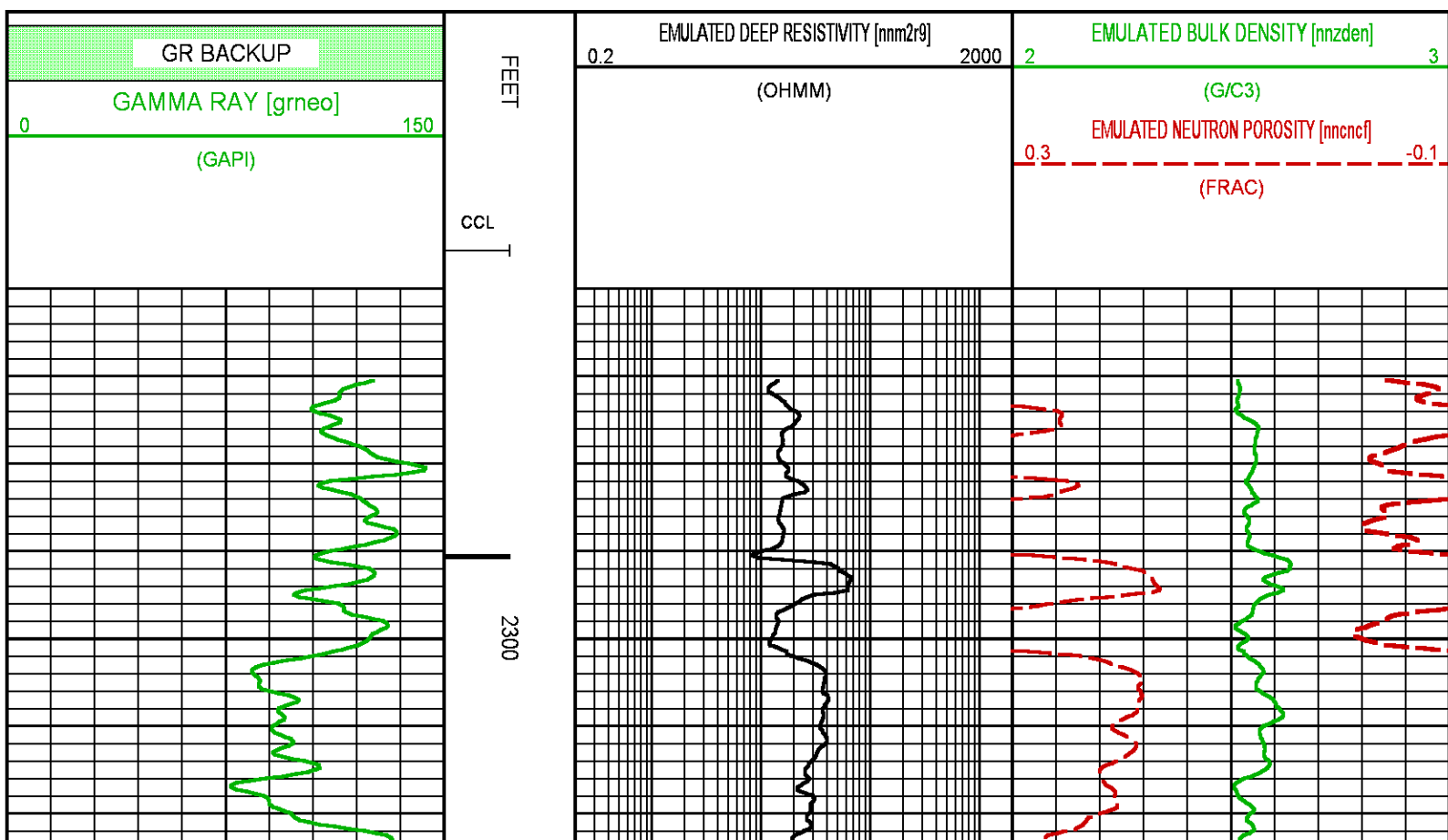
Plotted: Wed Jul 11 14:05:24 2018

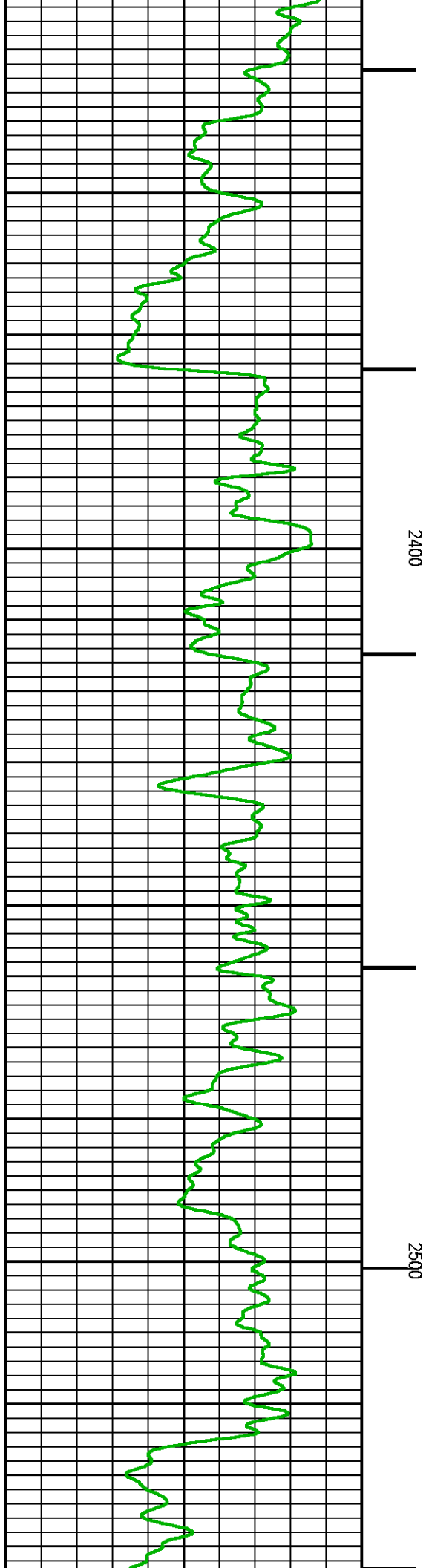
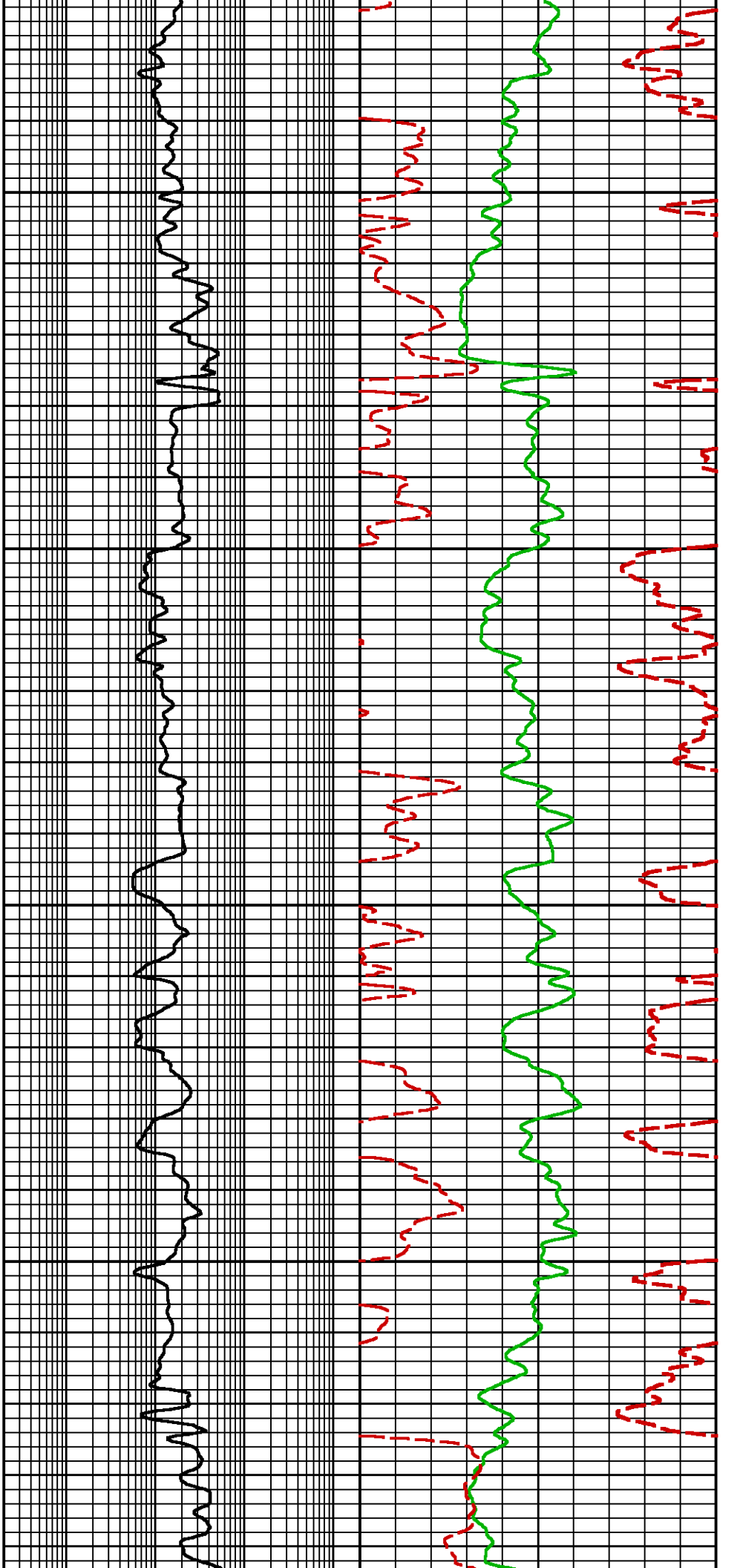
CURVE MEASURE POINT OFFSET

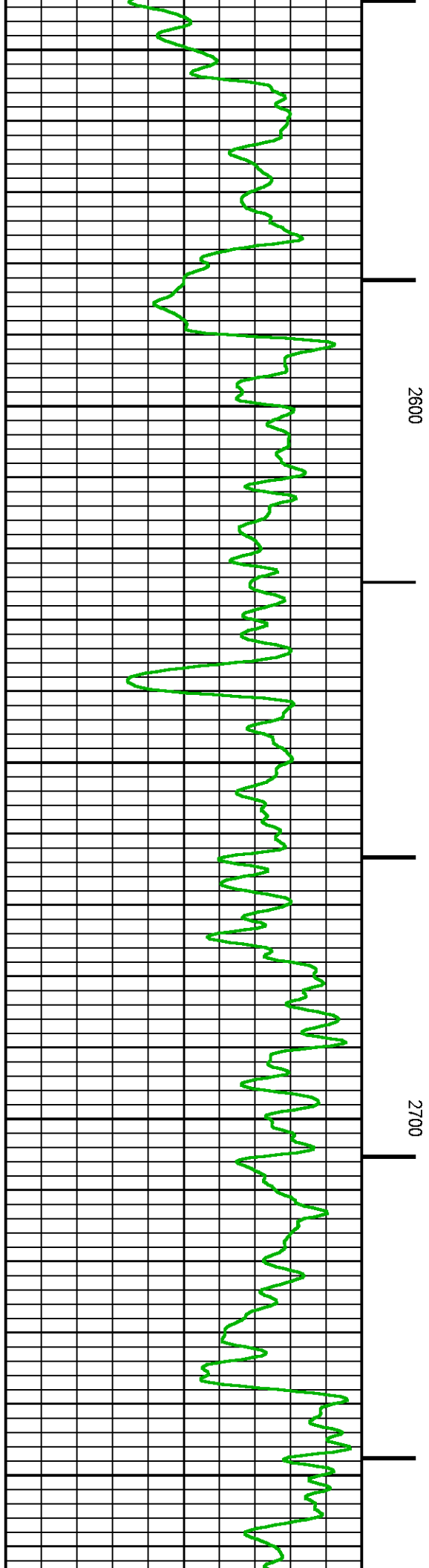
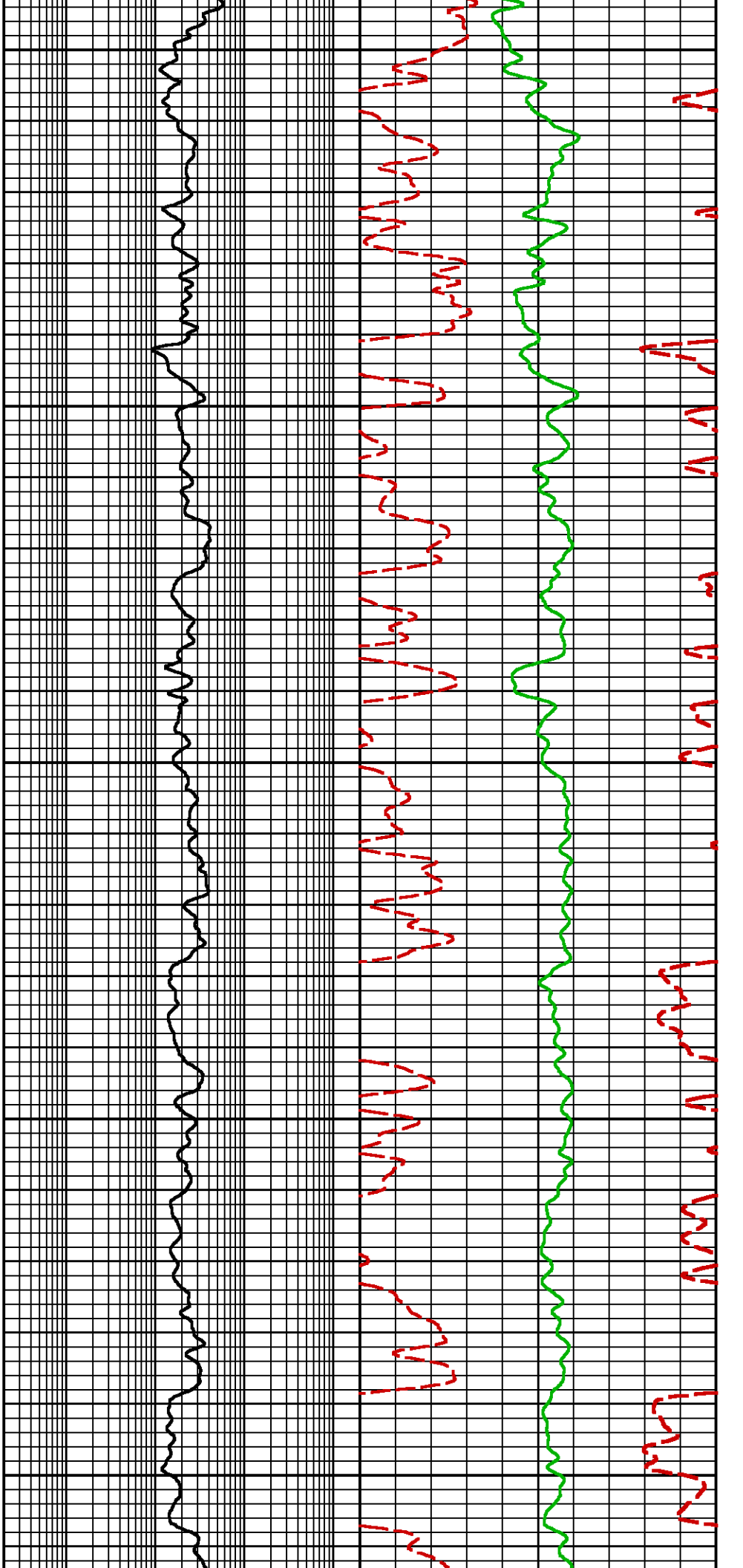
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

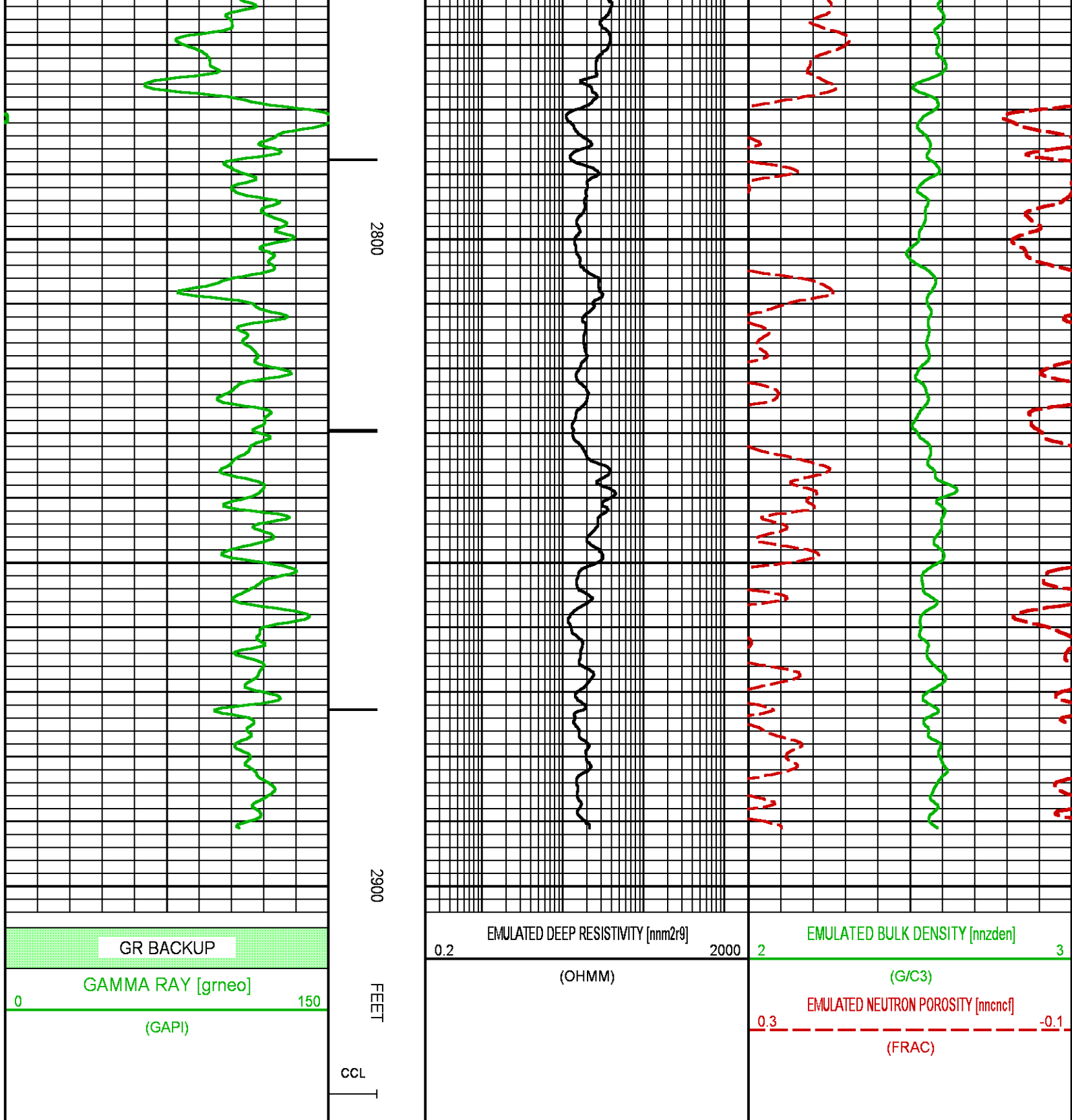
Project : NA
User : kotoale
Presentation : BHI1F65XZ1:d:\Ape_Projects\LARAMIE_NICHOLS_FEDERAL_0994_24_18E_NEO\
 NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2260 - 2904 Feet

Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_NICHOLS_FEDERAL_0994_24_18E_NEO\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : NICHOLS FEDERAL 0994-24-18E
Field : VEGA
File Interval : 2270.5 - 7828.5 Feet
OCT : NA







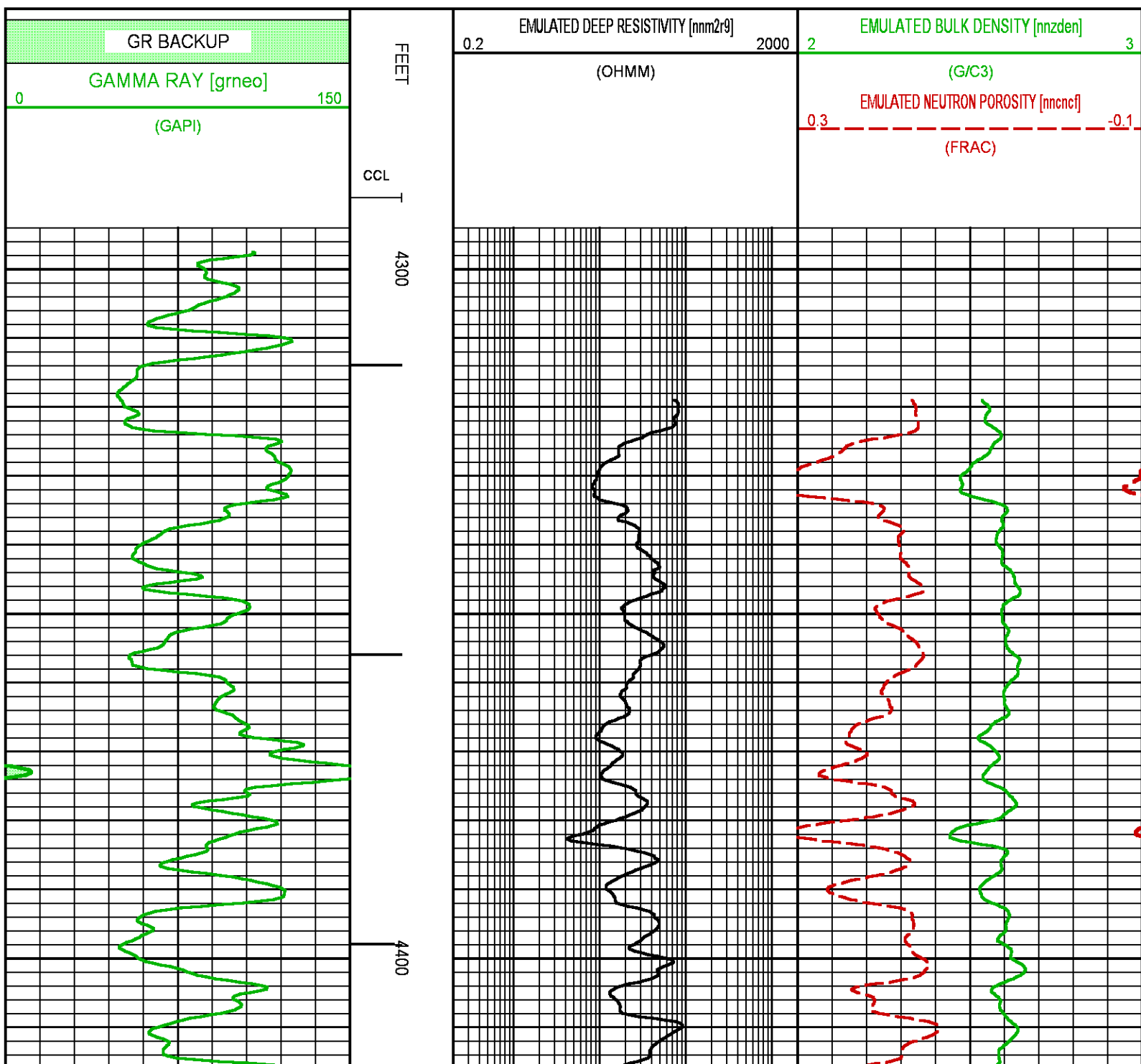


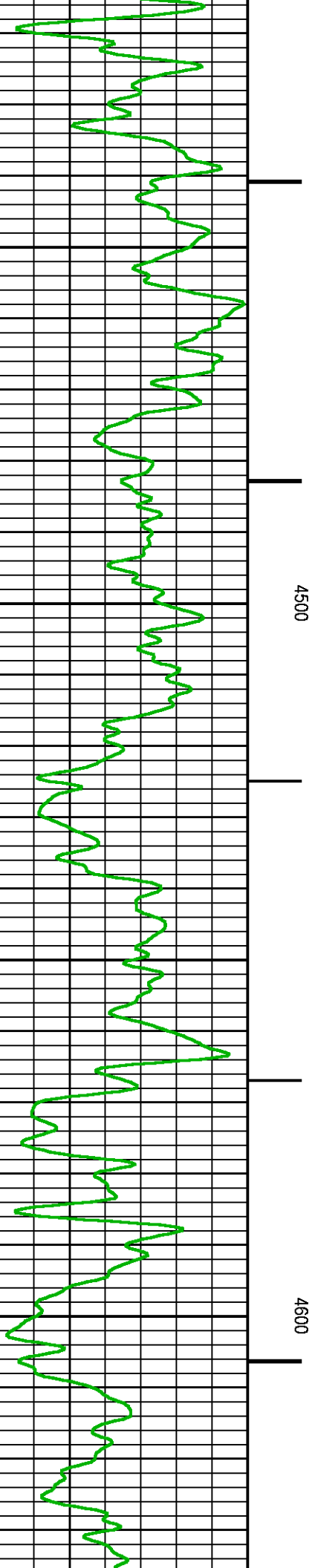
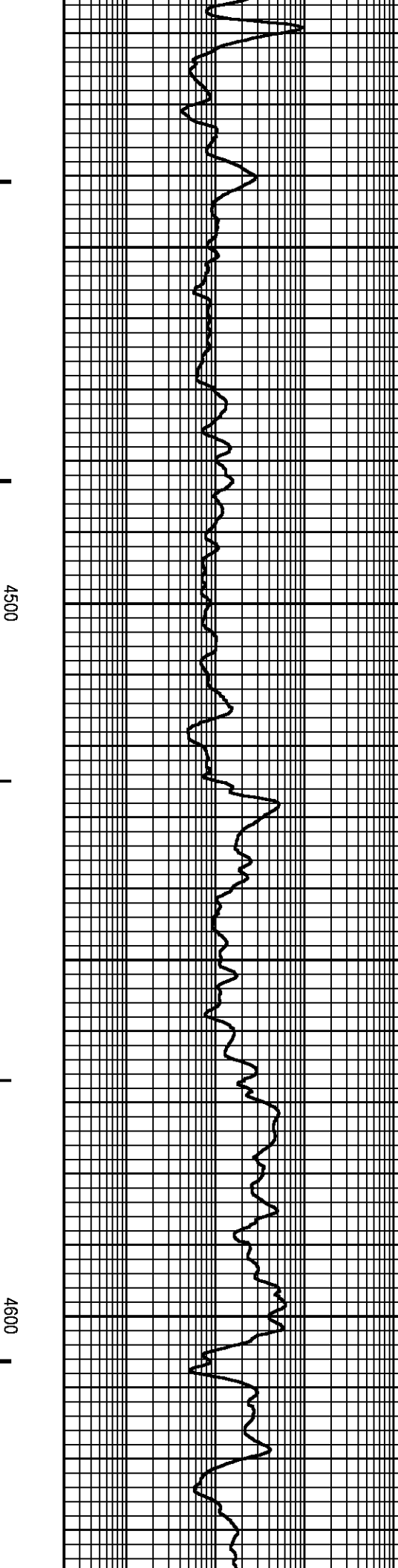
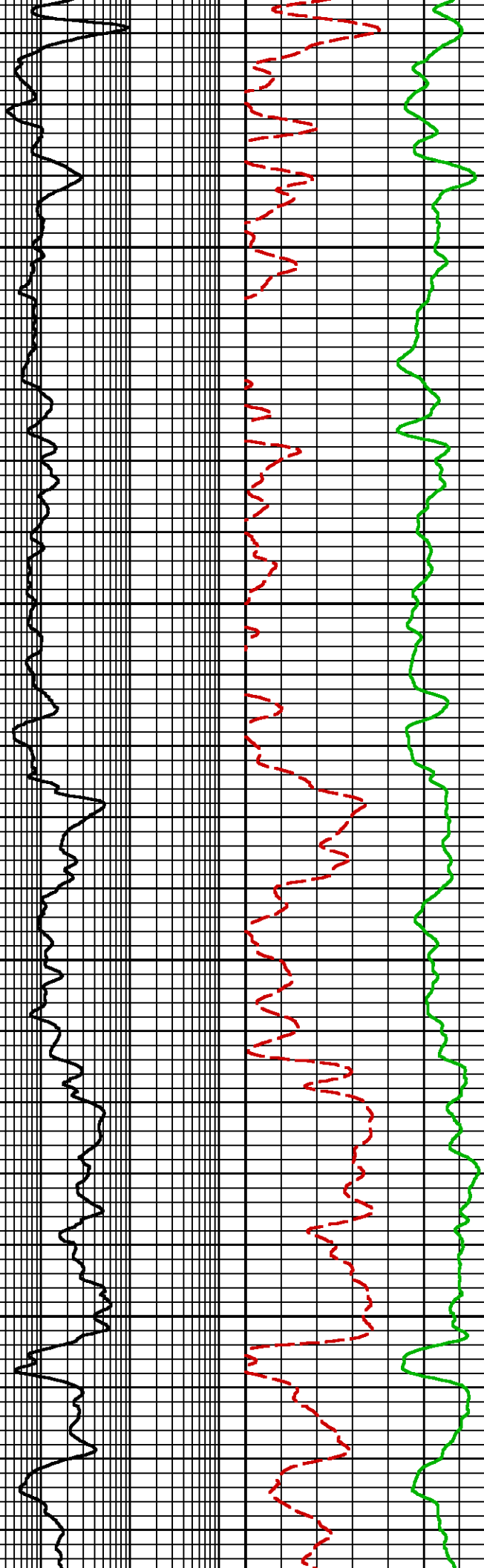
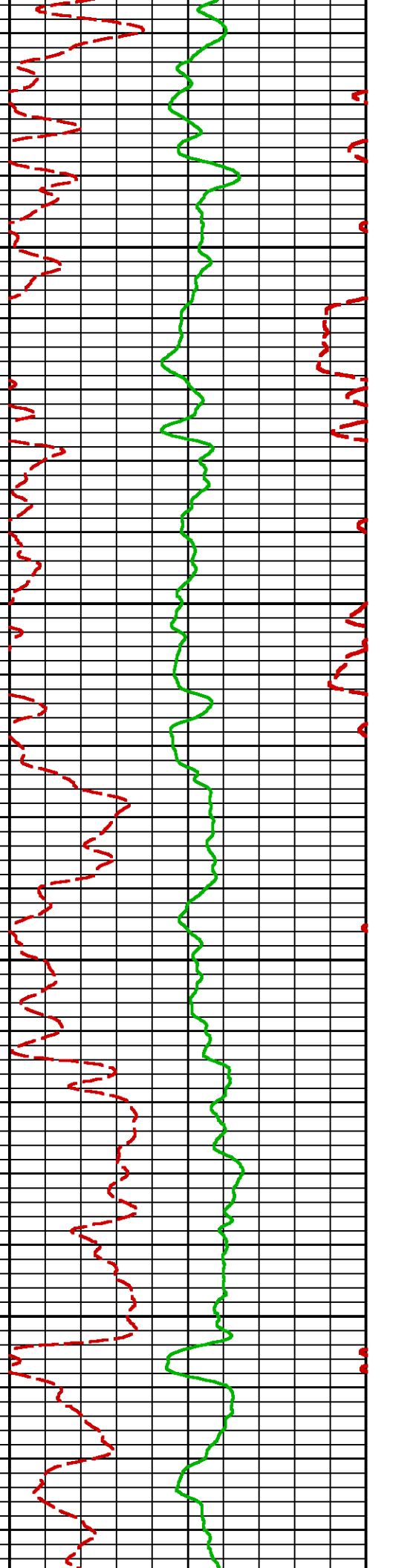
NEO RESULTS FOR NICHOLS FEDERAL 0994-24-18E (MAIN)

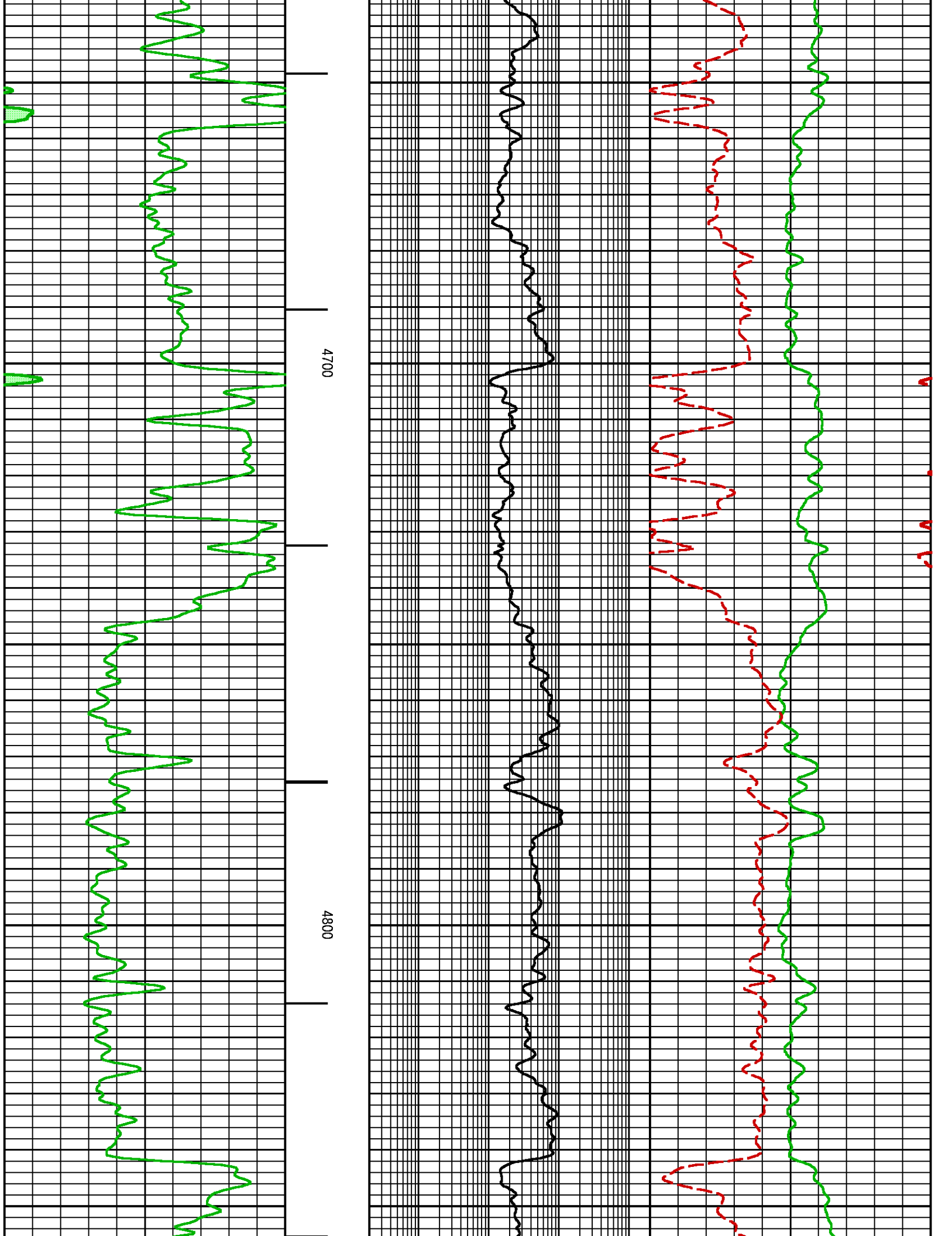
CURVE MEASURE POINT OFFSET

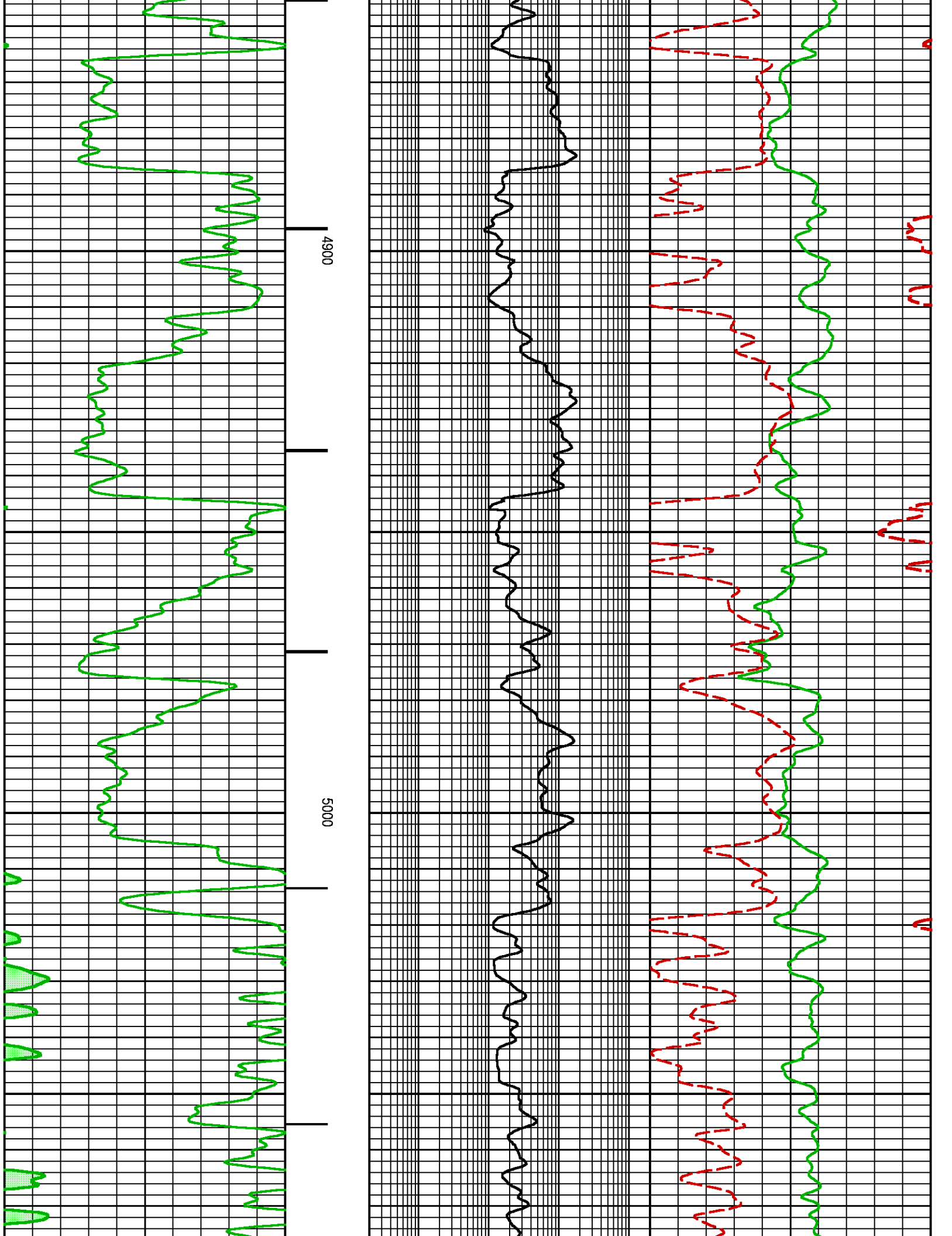
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

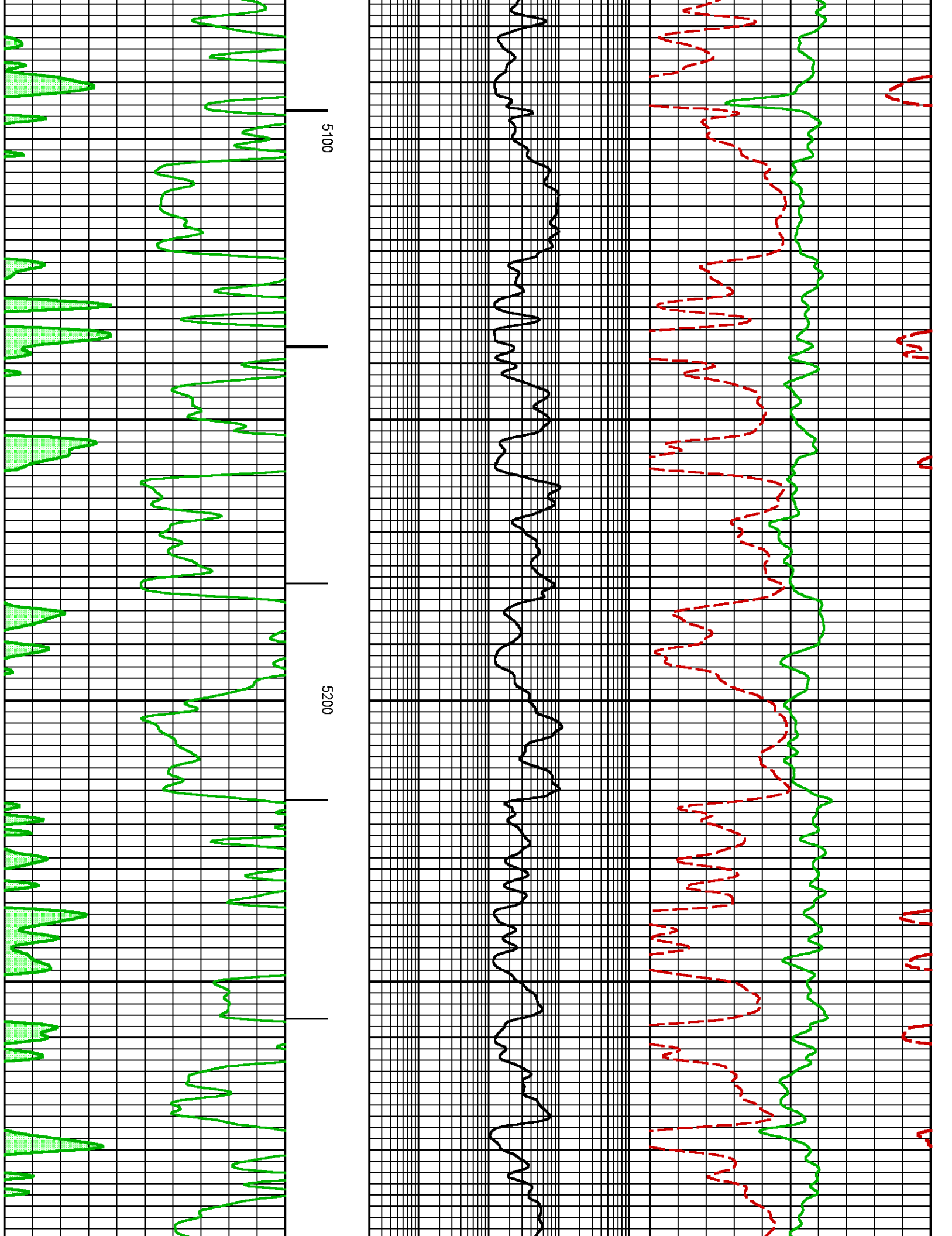
Project : NA
 User : kotoale
 Presentation : BH11F65XZ1:D:\Ape_Projects\LARAMIE_NICHOLS_FEDERAL_0994_24_18E_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
 Plot Interval : 4294 - 7837 Feet
 Data File 1 : F1 : BH11F65XZ1:D:\Ape_Projects\LARAMIE_NICHOLS_FEDERAL_0994_24_18E_NEO\Merged_Set_Final.xtf
 Created On : N/A
 Company : LARAMIE ENERGY LLC
 Well : NICHOLS FEDERAL 0994-24-18E
 Field : VEGA
 File Interval : 2270.5 - 7828.5 Feet
 OCT : NA

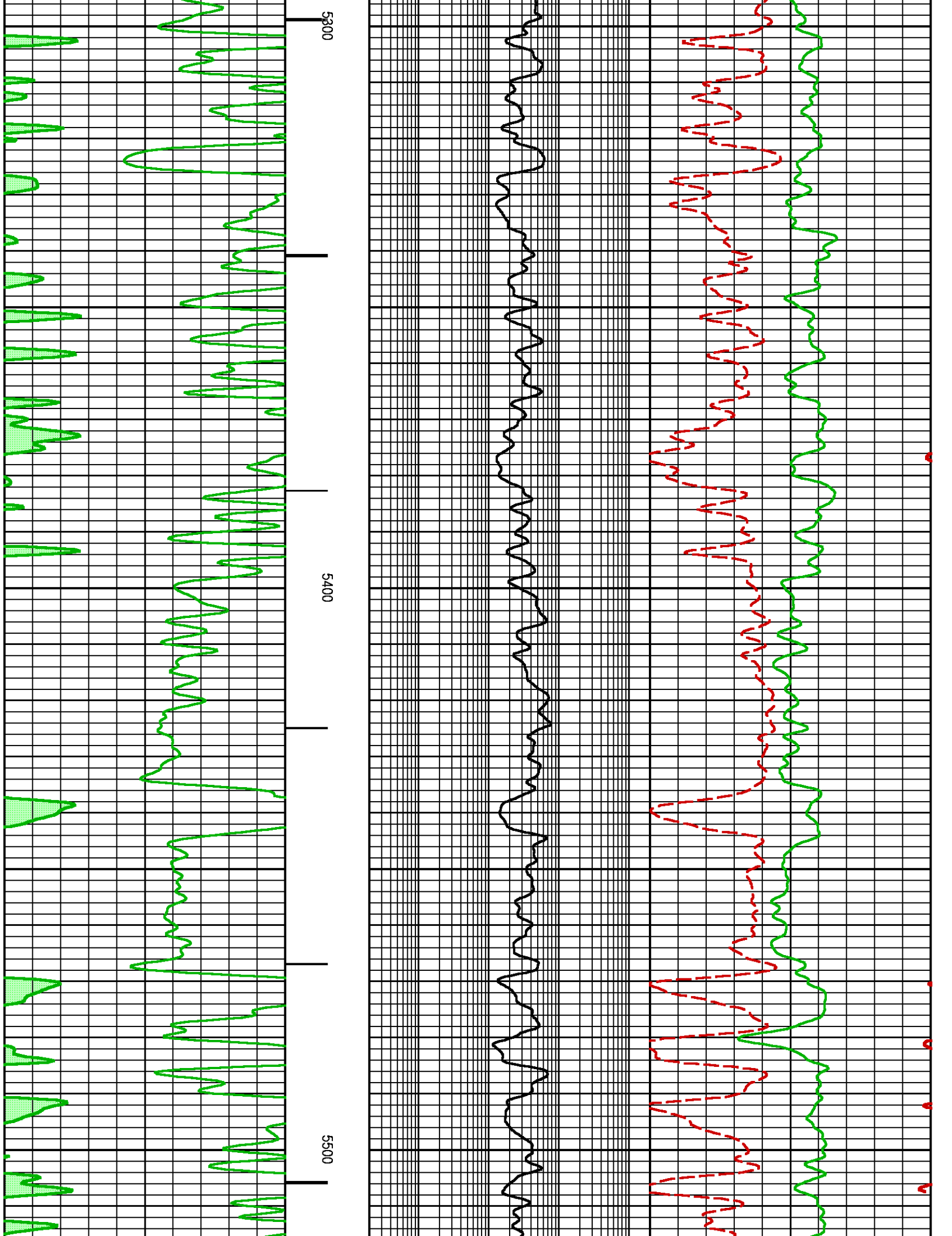


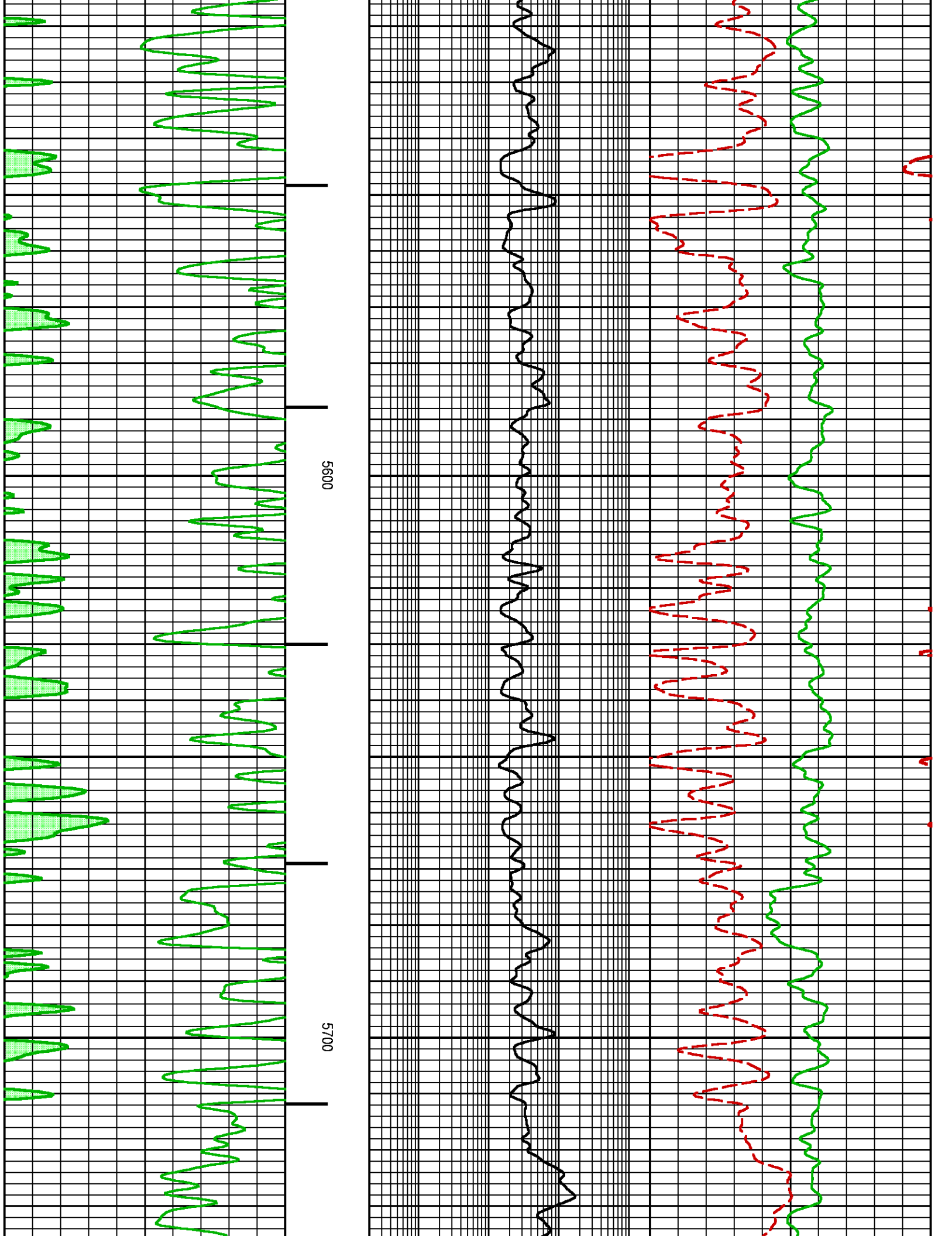


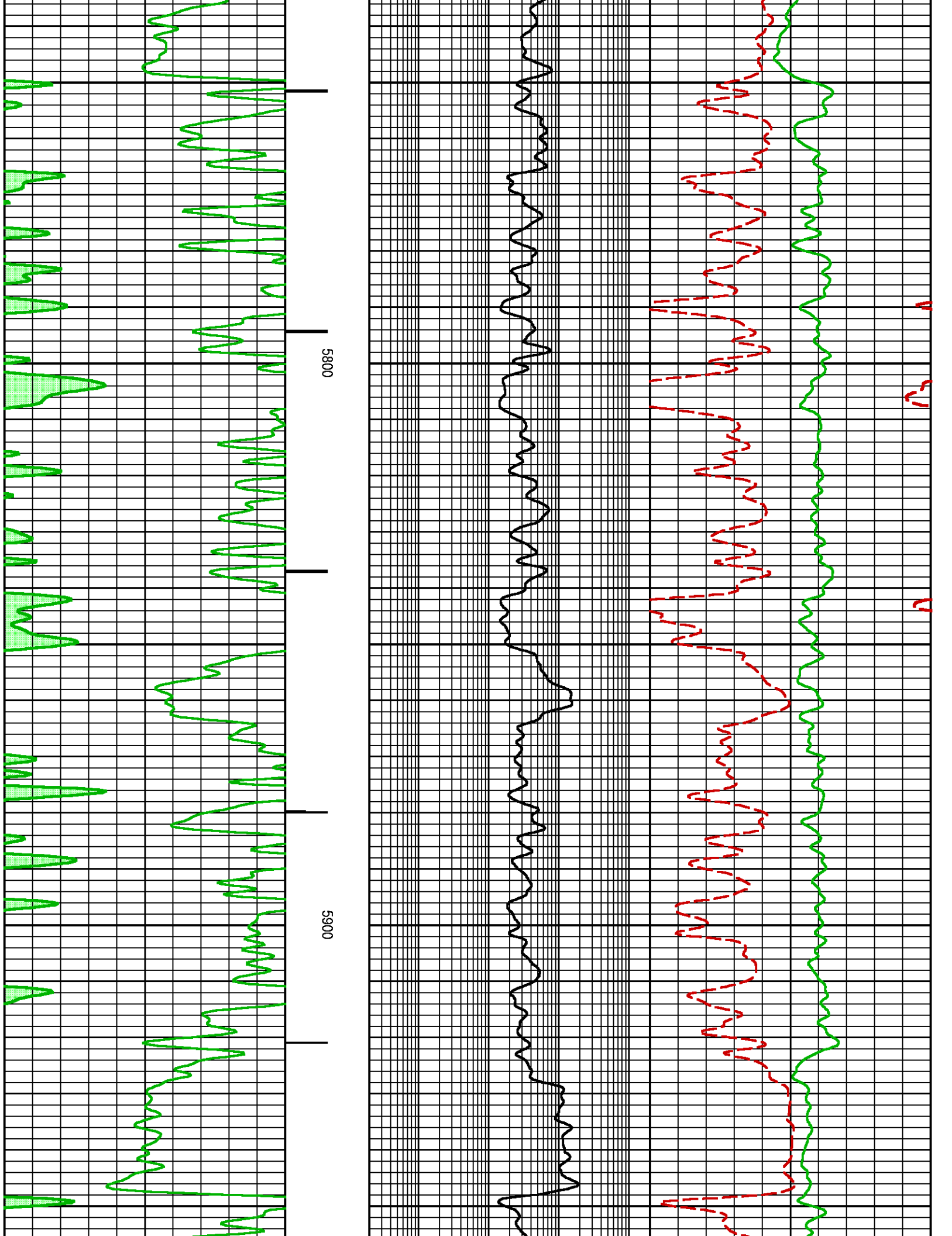


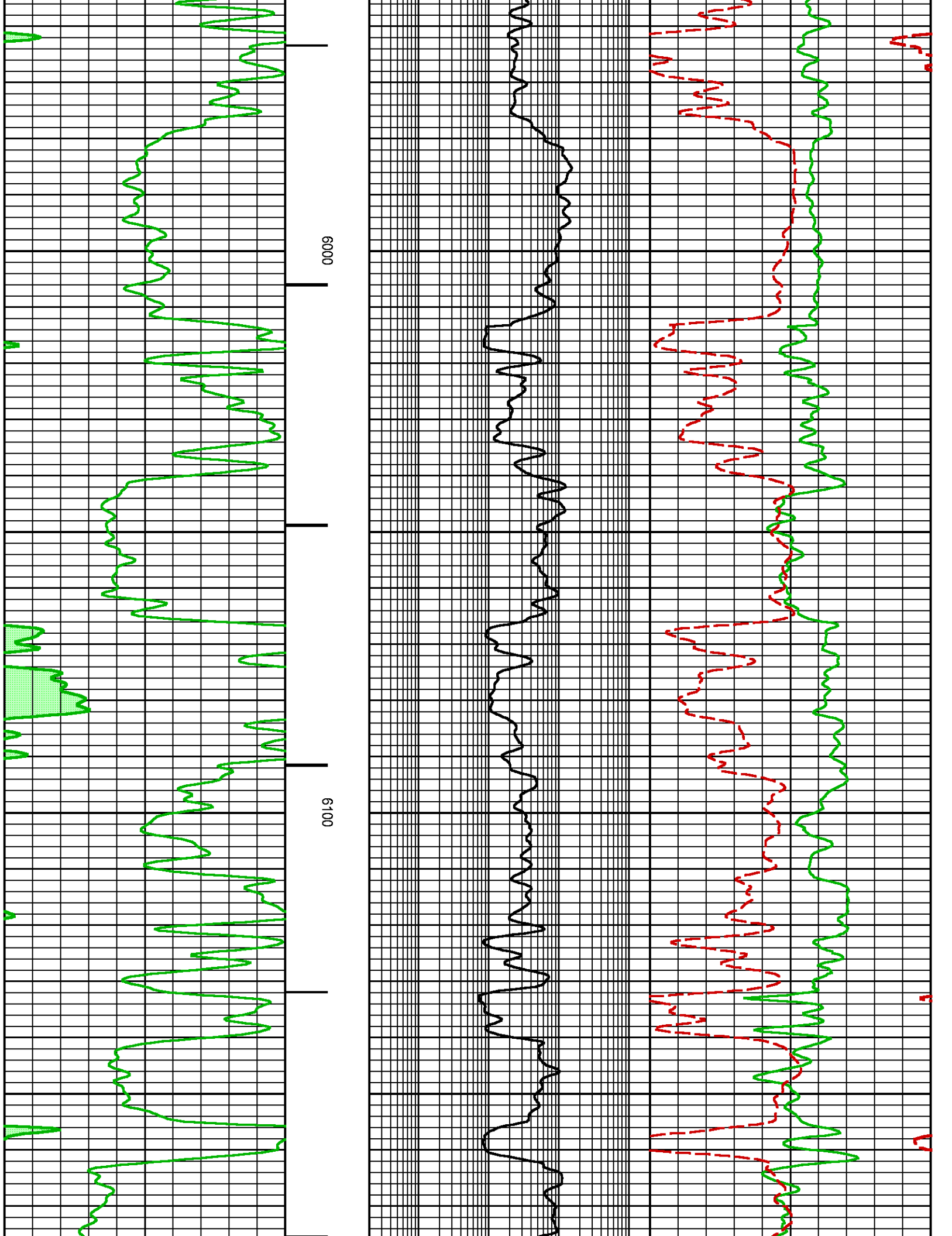


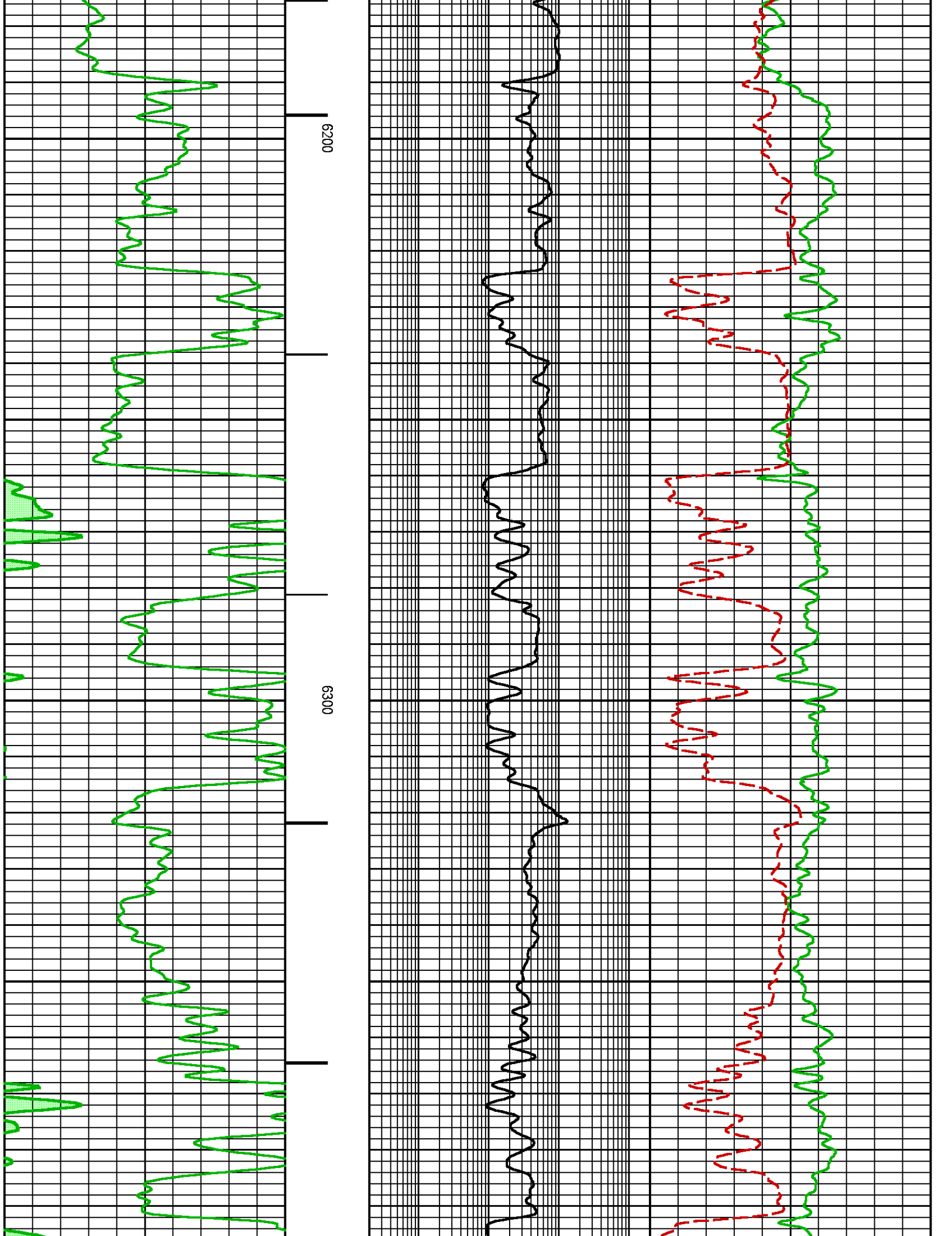


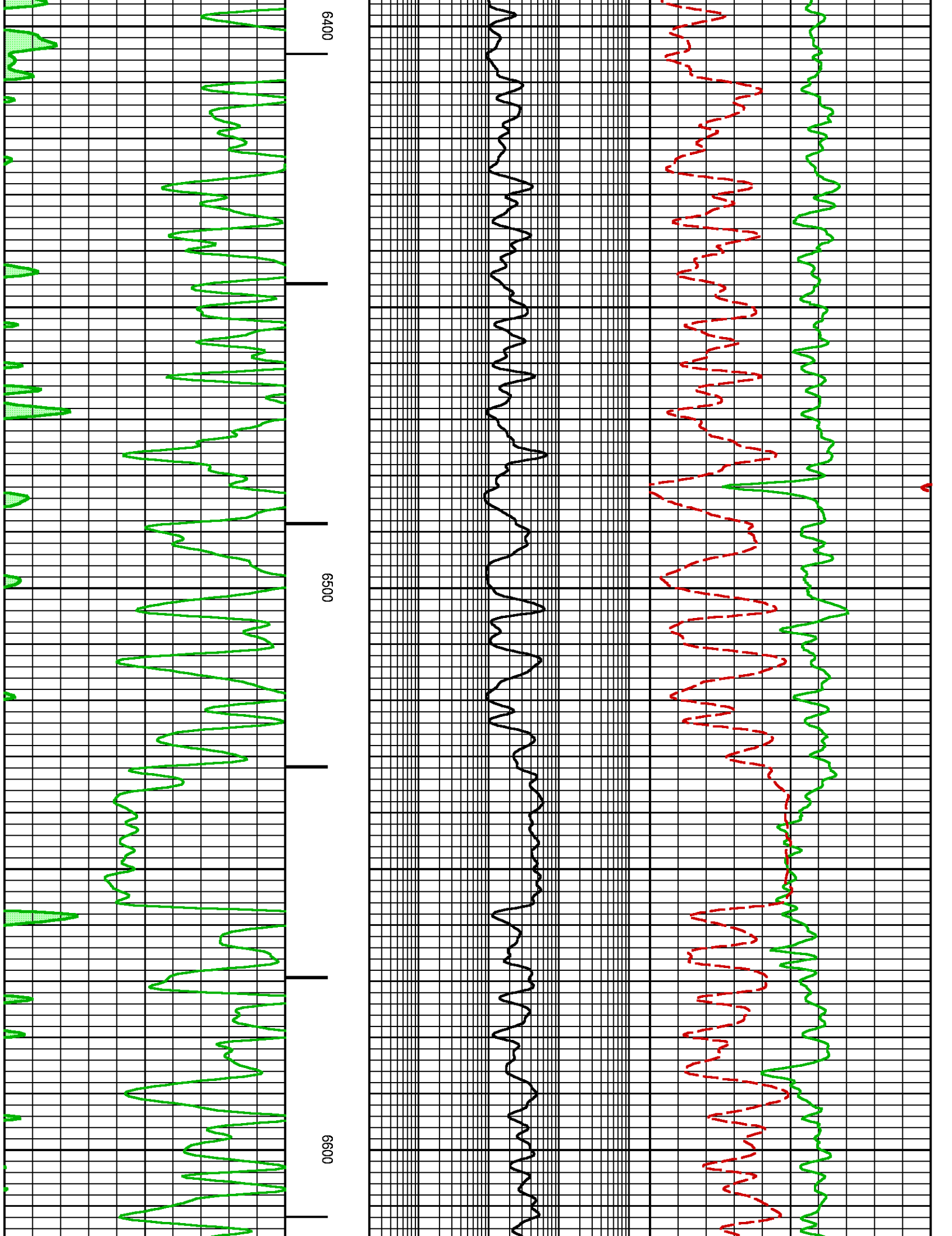


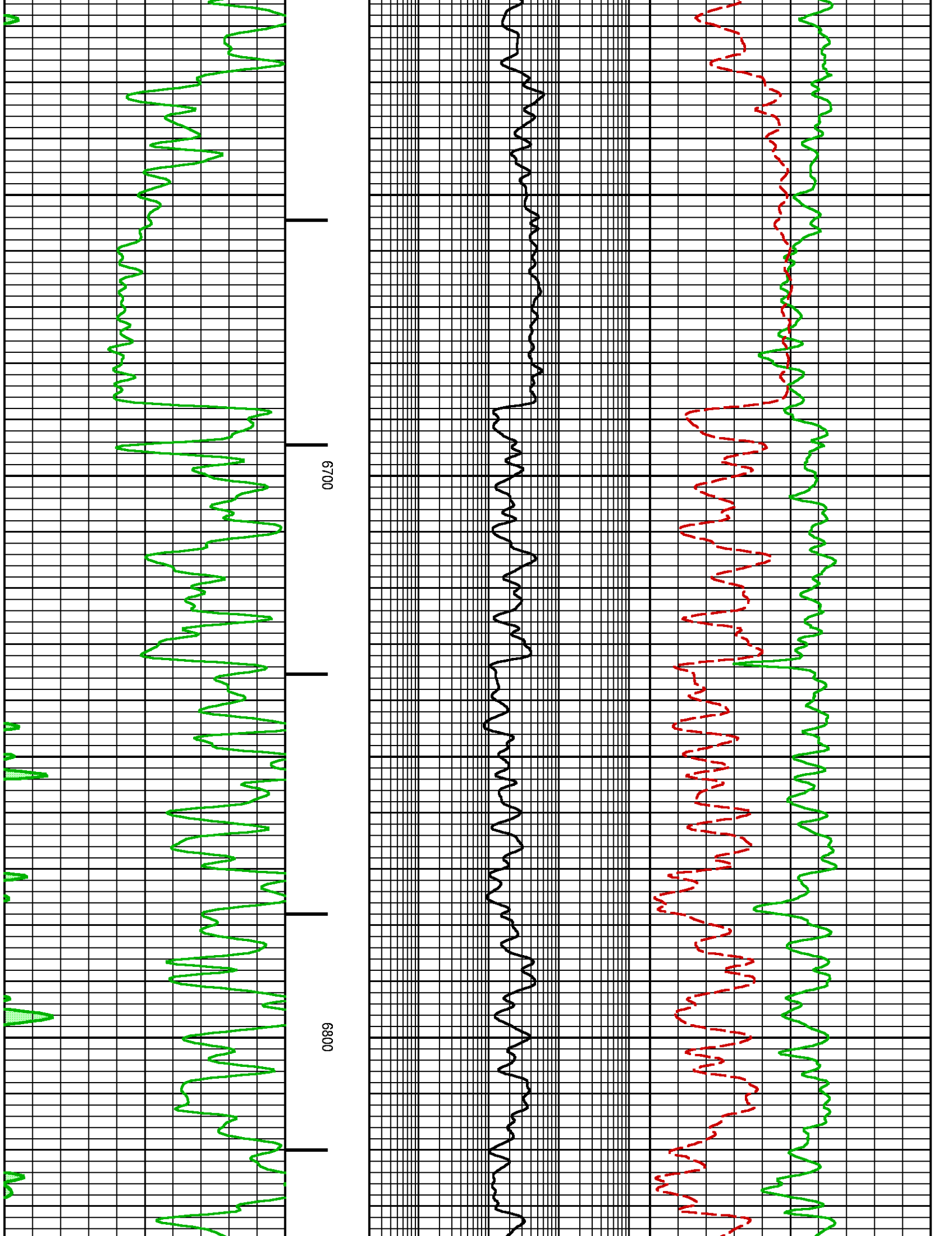


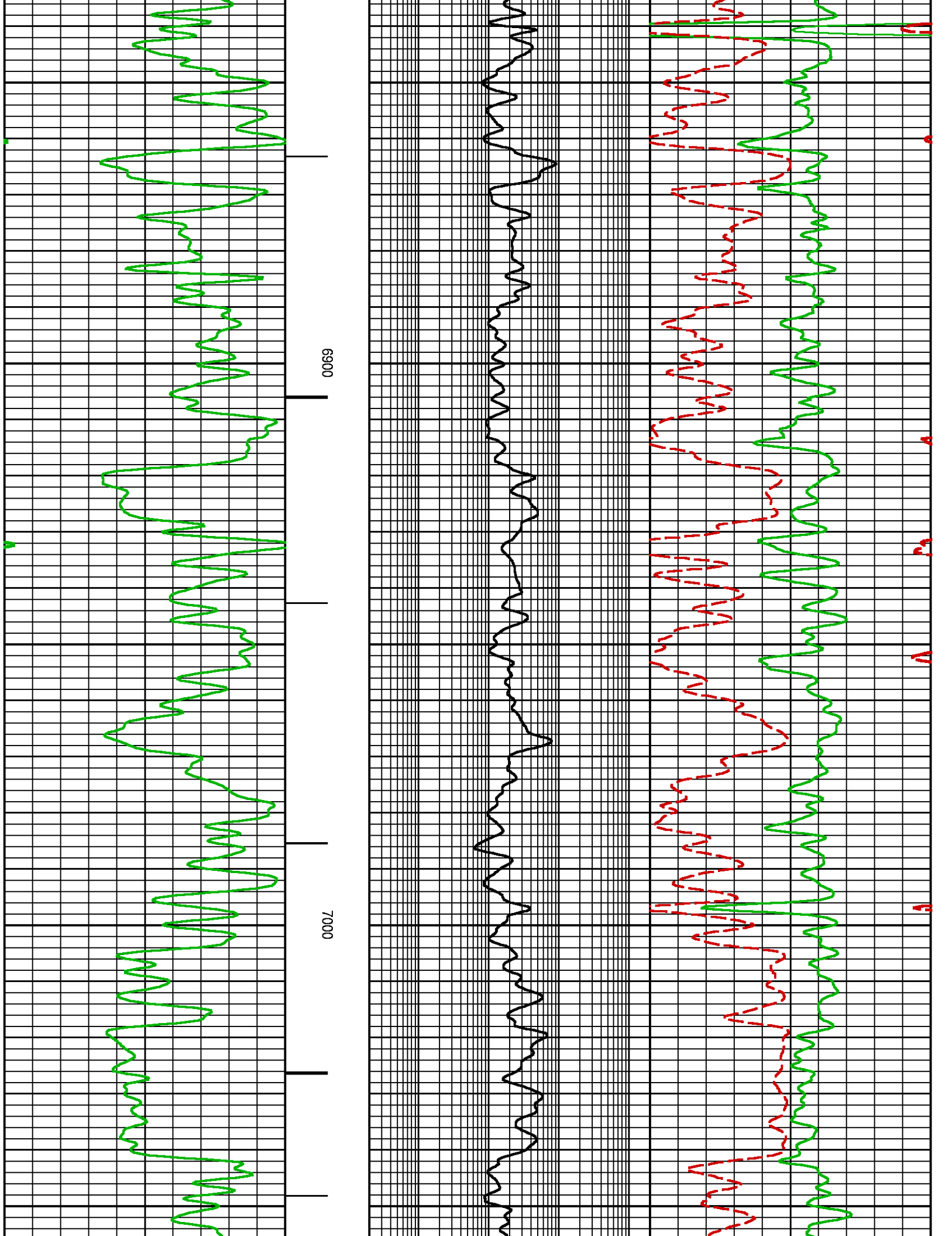


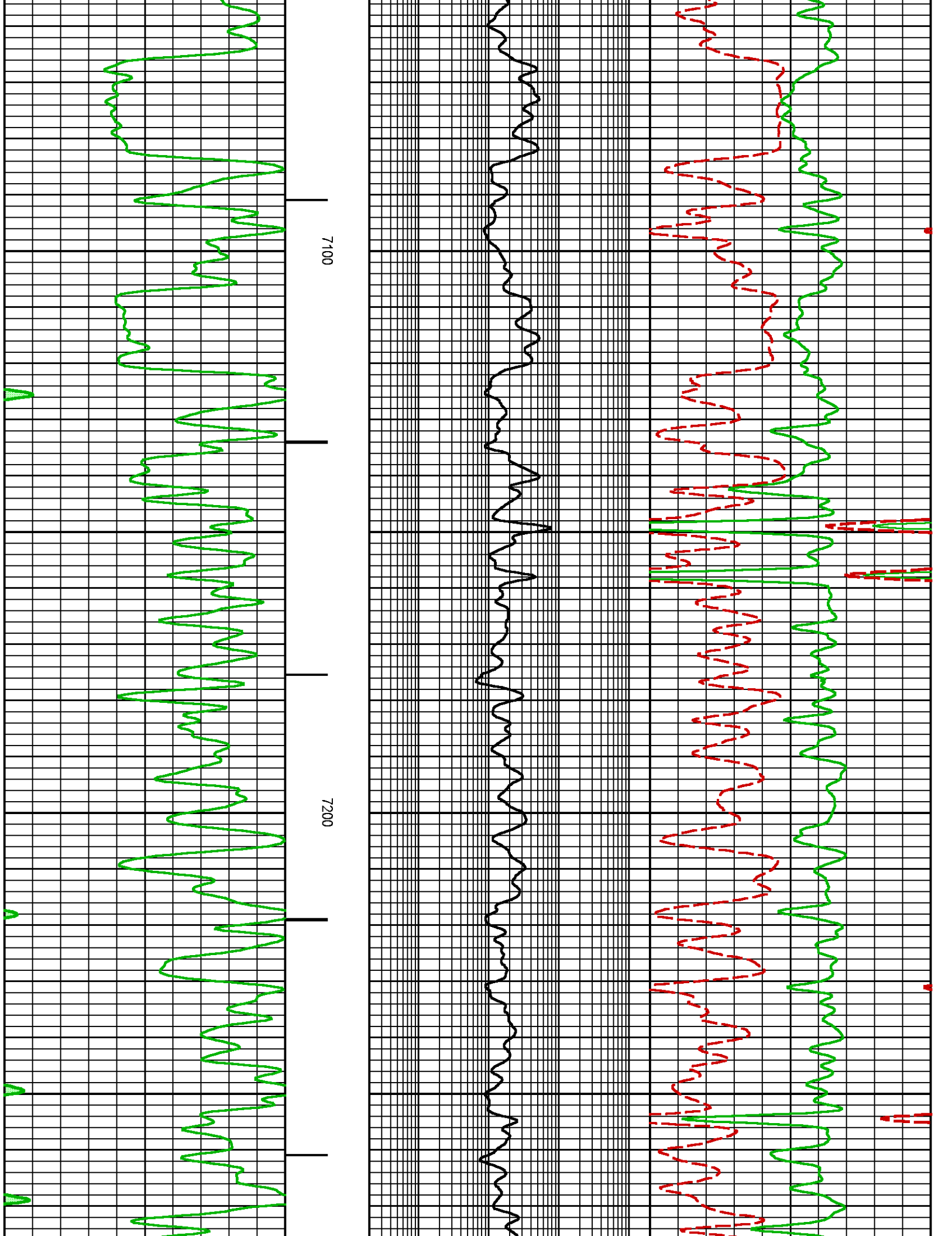


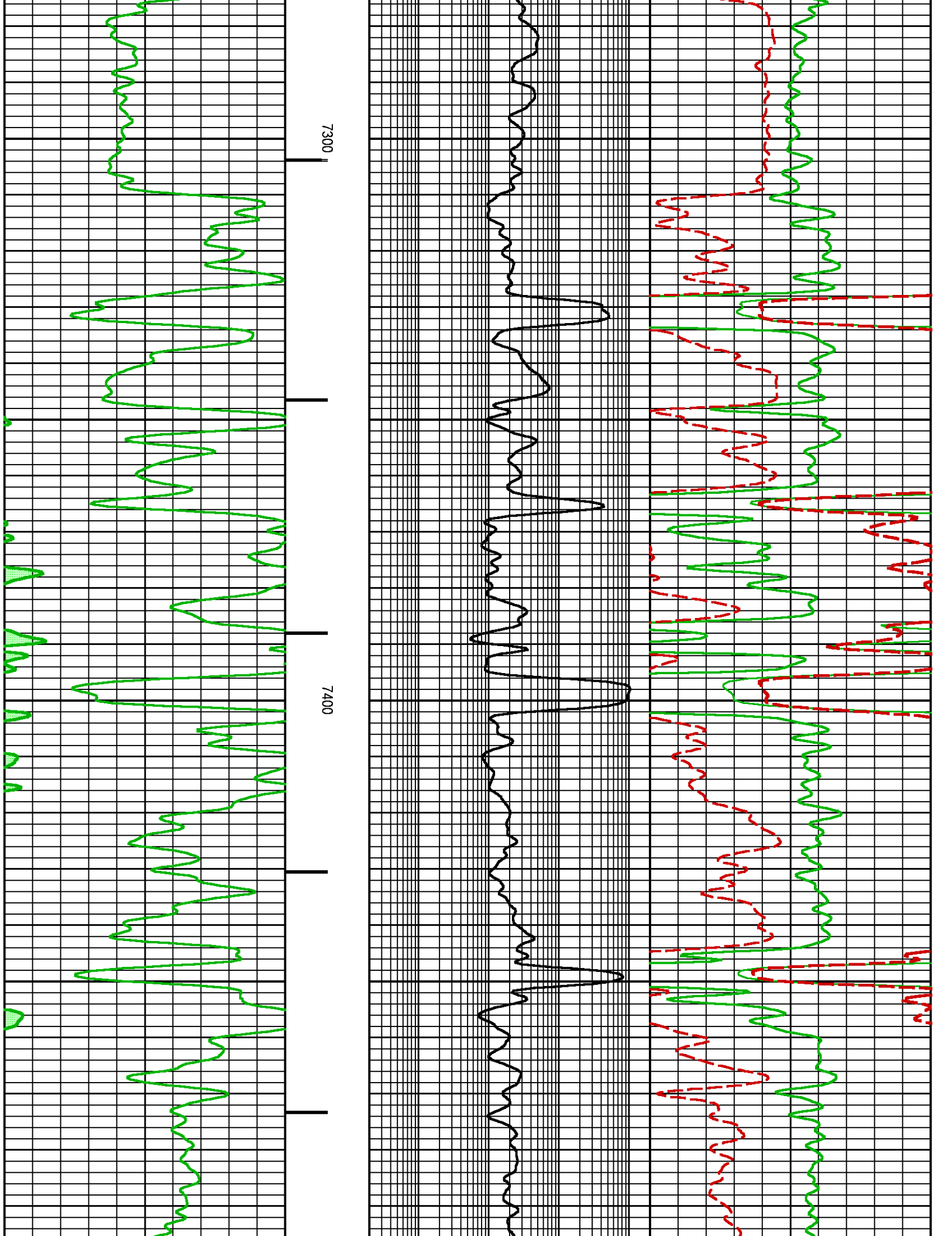


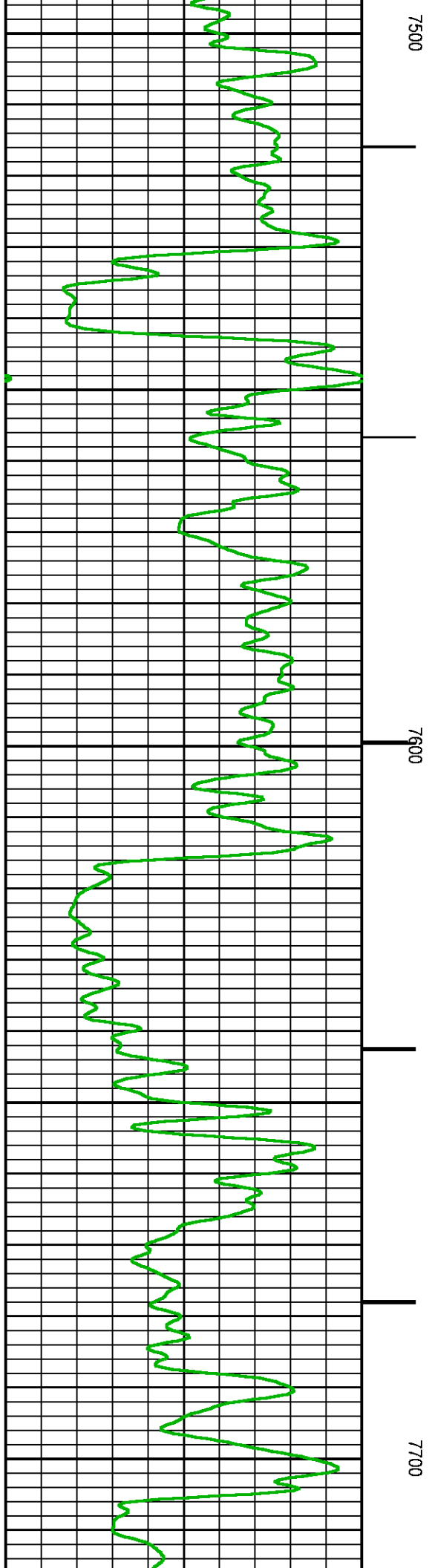
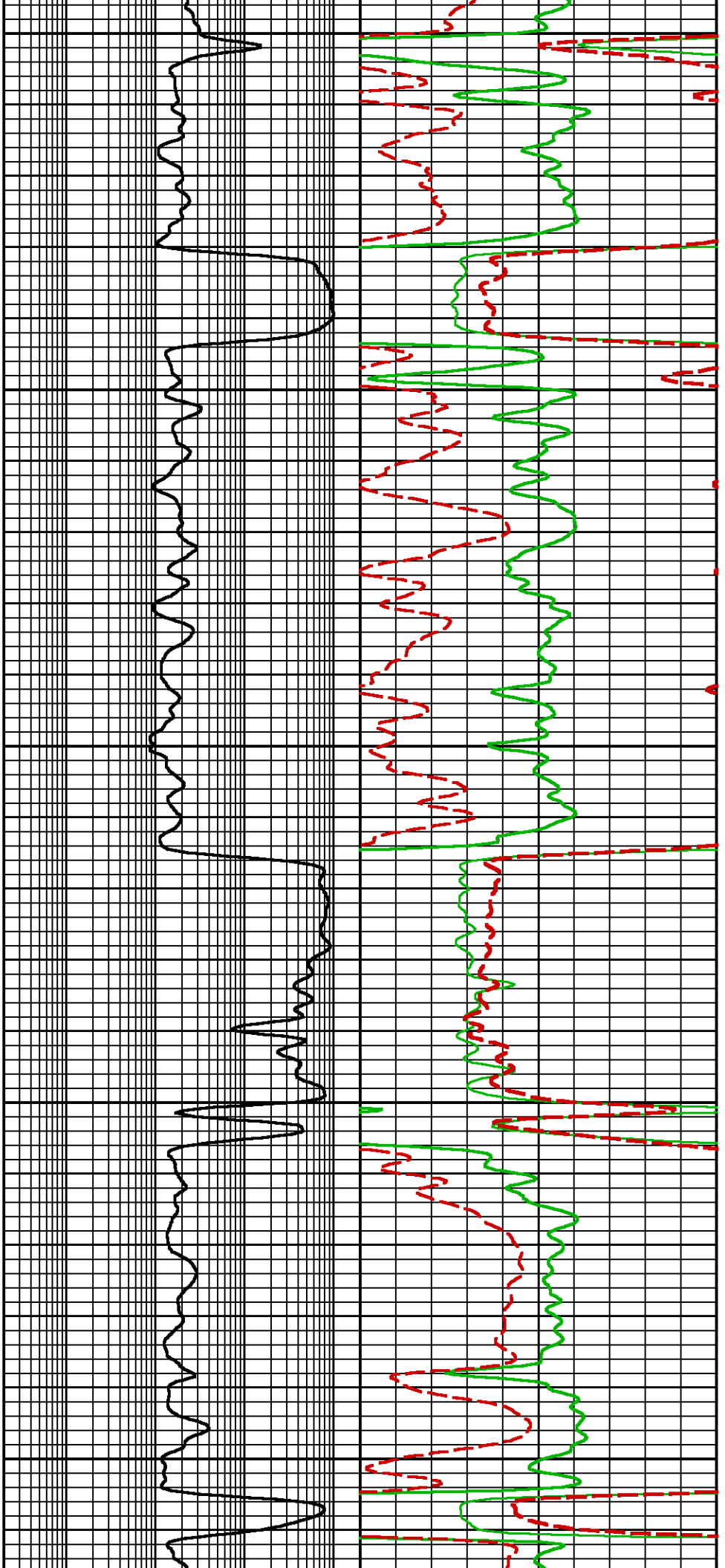


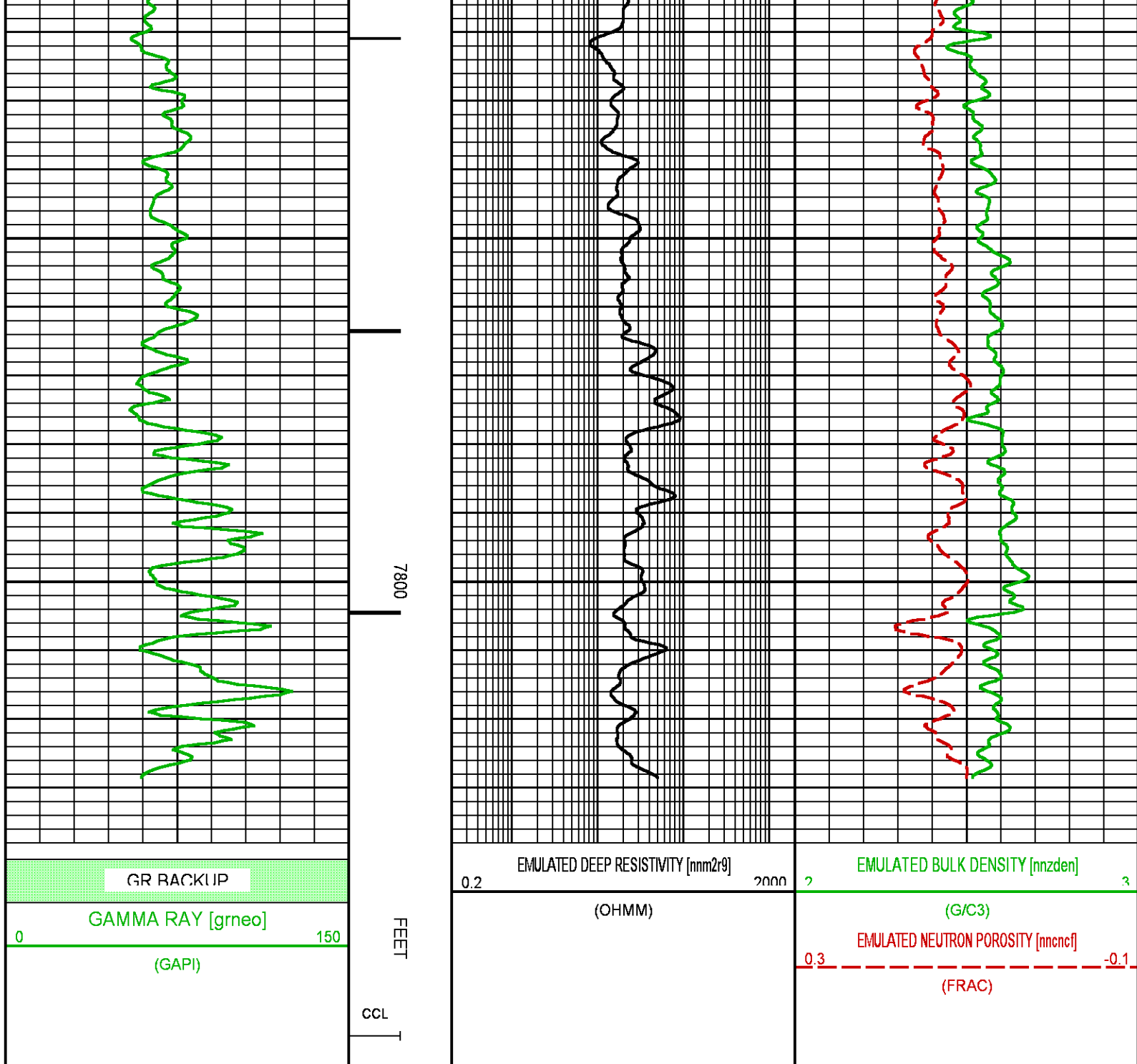



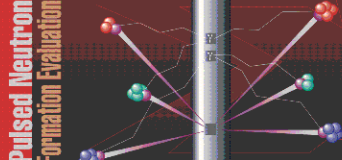










 	COMPANY <u>LARAMIE ENERGY LLC</u> WELL <u>NICHOLS FEDERAL 0994-24-18E</u> FIELD <u>VEGA</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>	FILE NO: _____ API NO: <u>05077103860000</u>
	LOCATION: <u>SEE REMARKS SECTION</u>	ELEVATIONS: KB <u>7236.0 FT</u> DF _____ GL <u>7212.0 FT</u>
SEC <u>24</u> TWP <u>9S</u> RGE <u>94W</u>	DATE <u>02-JUL-2018</u>	