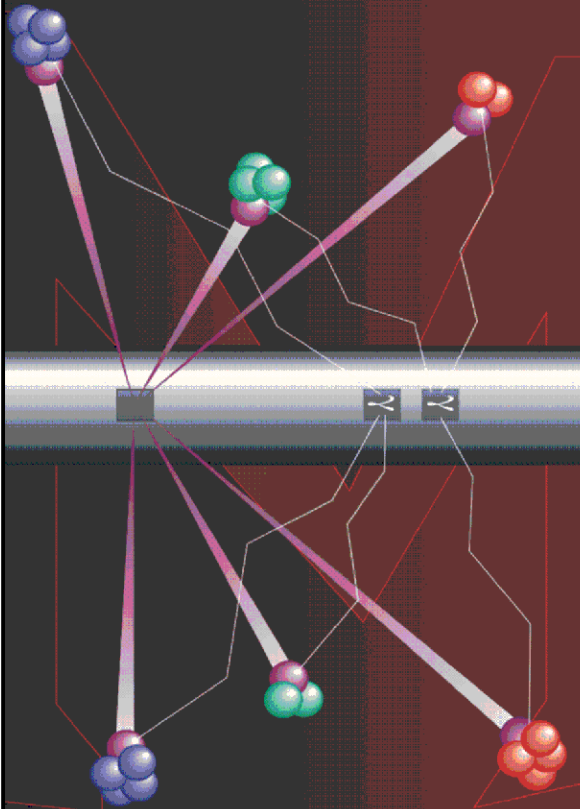


Pulsed Neutron Formation Evaluation



RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL BRUTON 30-17E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS

SEC 30 TWP 9S RGE 93W

ELEVATIONS:

KB 7673 FT DF 7672 FT GL 7643 FT

DATE 4-APR-2018 ECC 132072

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>4-APR-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>T. NEWELL</u>	DATE: <u>31-MAR-2018</u>

FROM	TO								
<u>2463 FT</u>	<u>7865 FT</u>								

REMARKS

LOCATION: SHL: 2645' FSL & 1859' FEL
BHL: 1117' FSL & 1341' FEL

TRAINING WELL:
BRUTON 30-14E

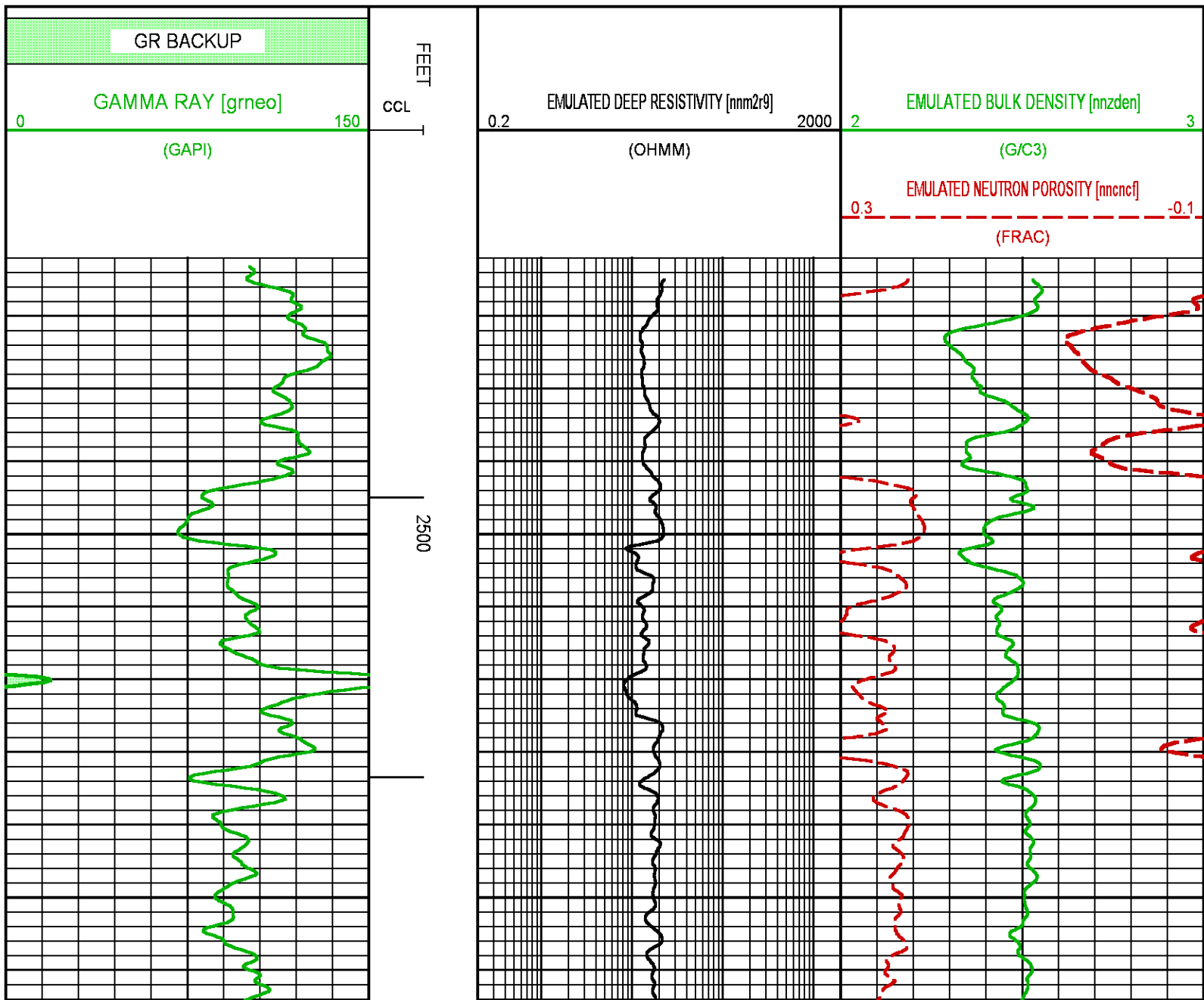
ANY ERRORS IN THE TRAINING WELL OPENHOLE DATA CAN PERETUATE THROUGH AS ERROR IN THE EMULATED RESULTS

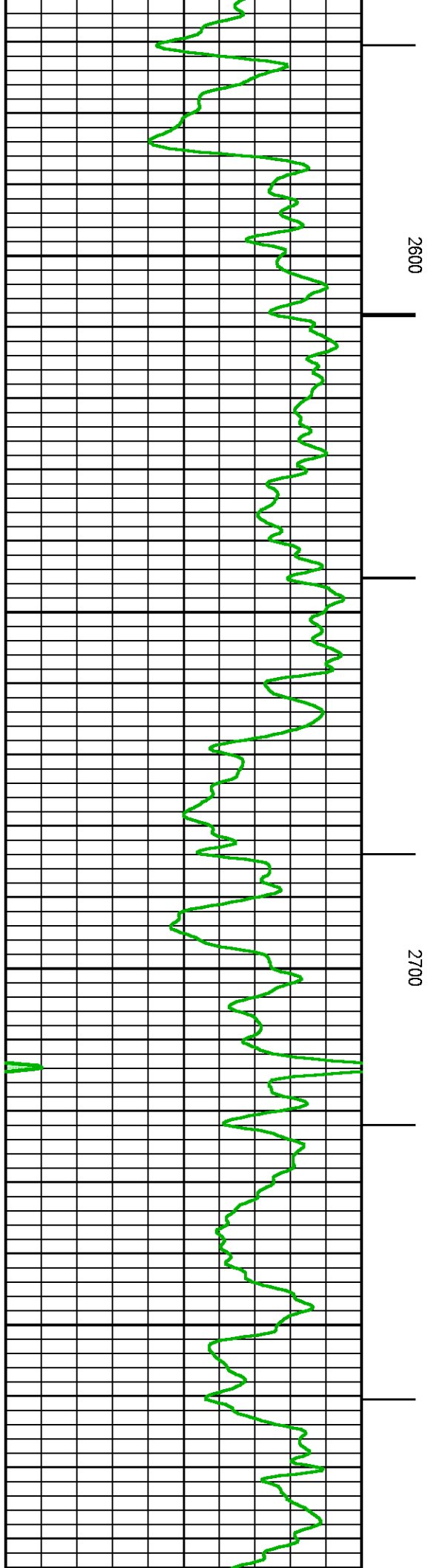
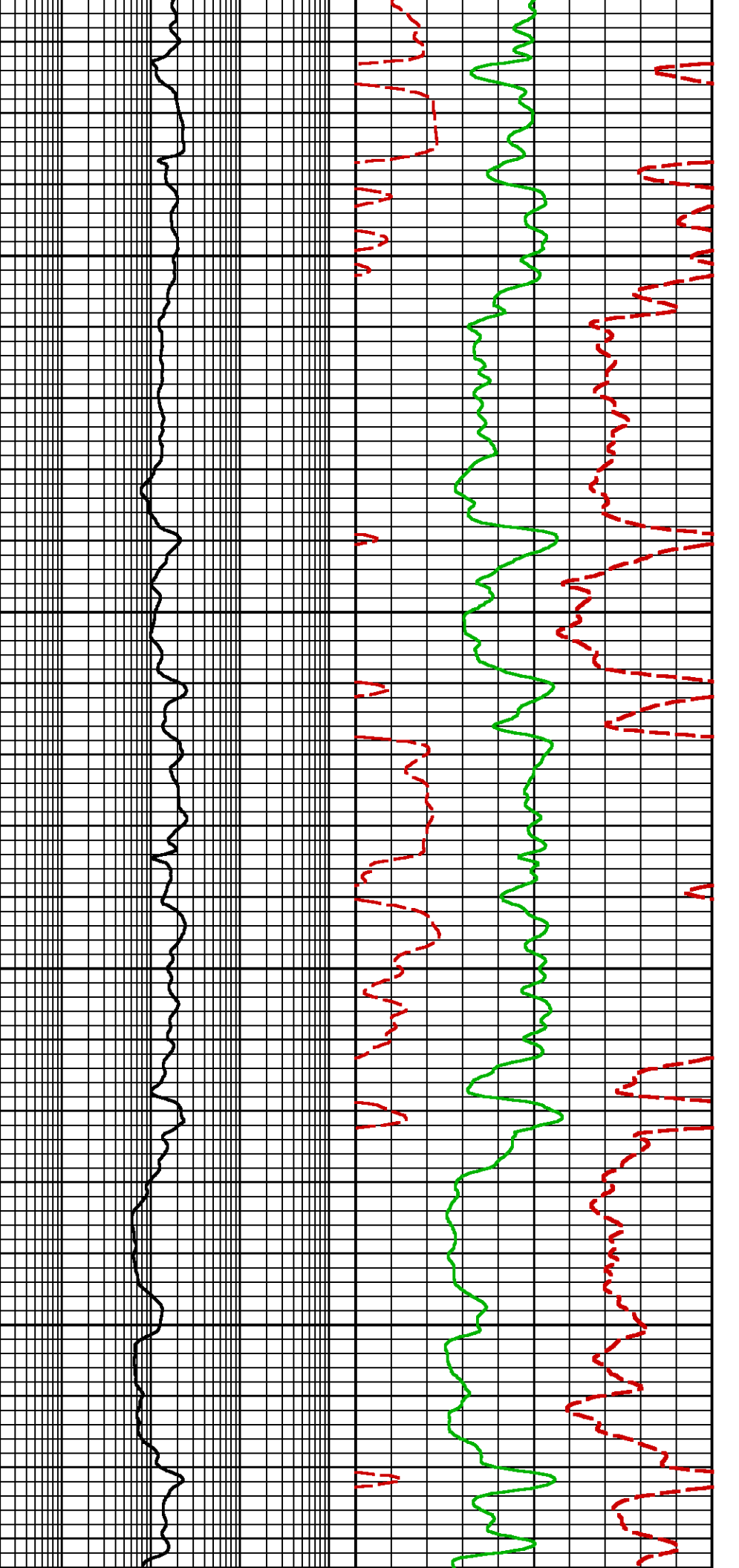
BOND LOG IS DEPTH REFERENCE LOG

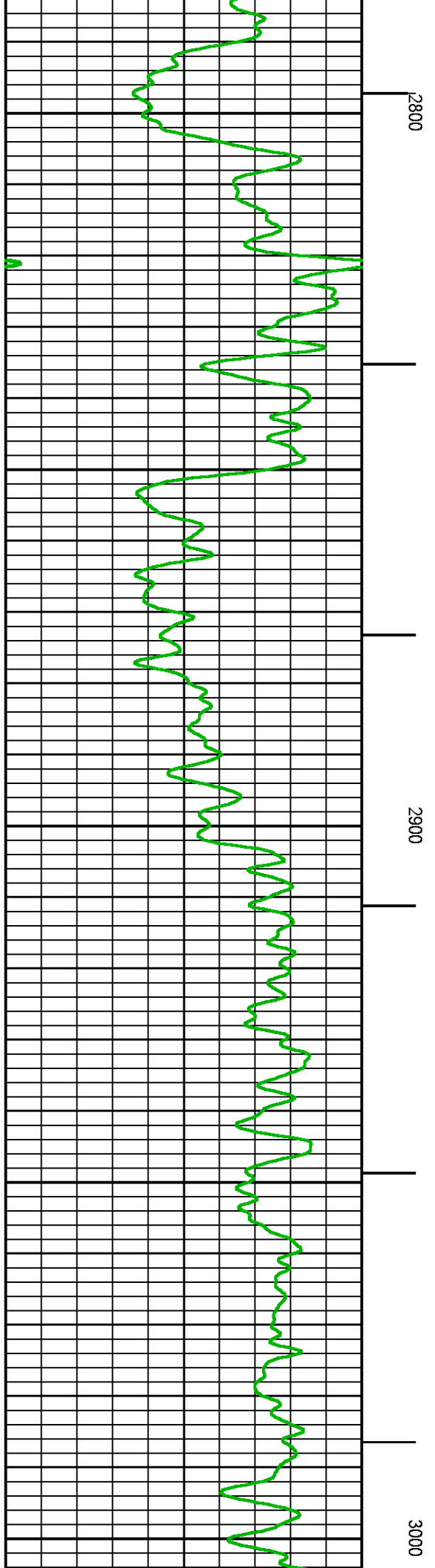
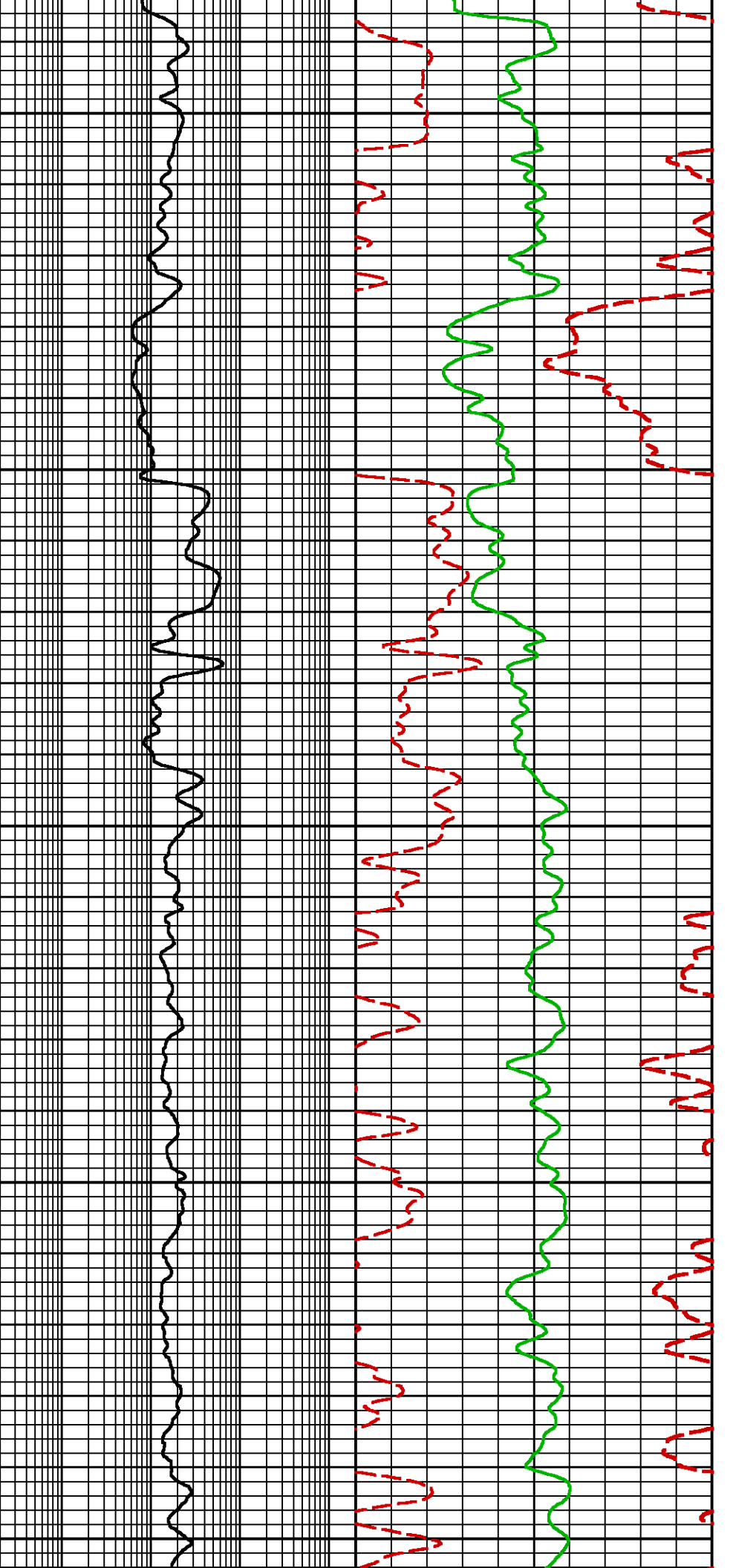
NEO RESULTS FOR BRUTON 30-17E (G-SAND)

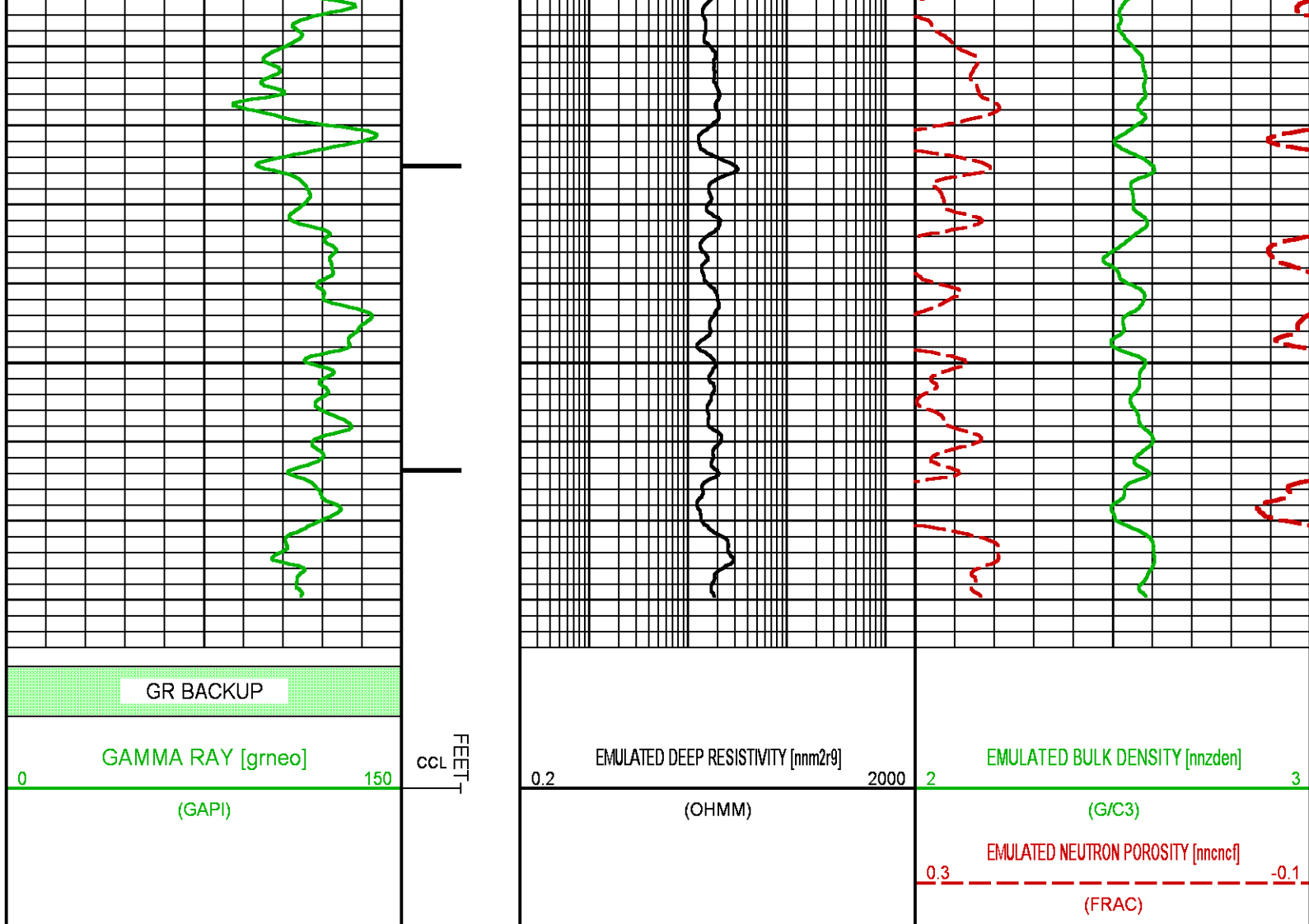
Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_30_17e\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2463.25 - 3085 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_30_17e\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : BRUTON 30-17E
Field : VEGA
File Interval : 2463.25 - 7864.25 Feet
OCT : NA



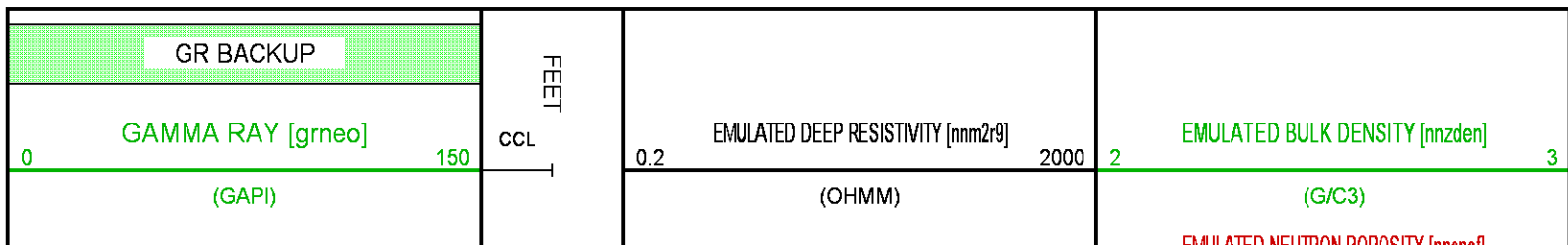




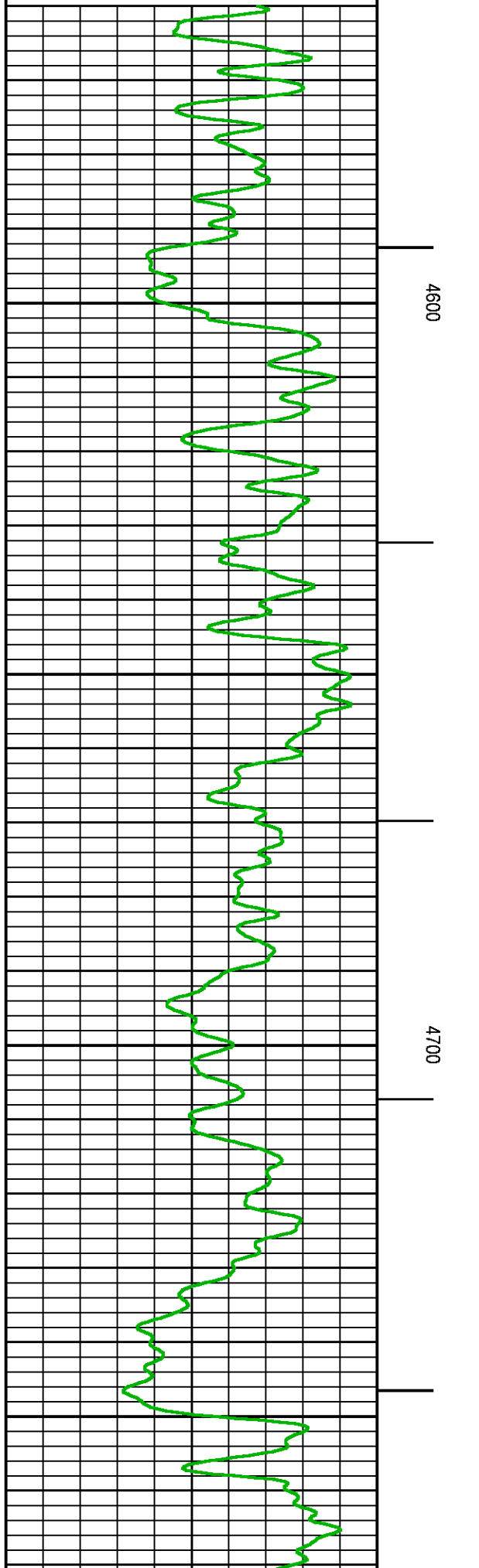
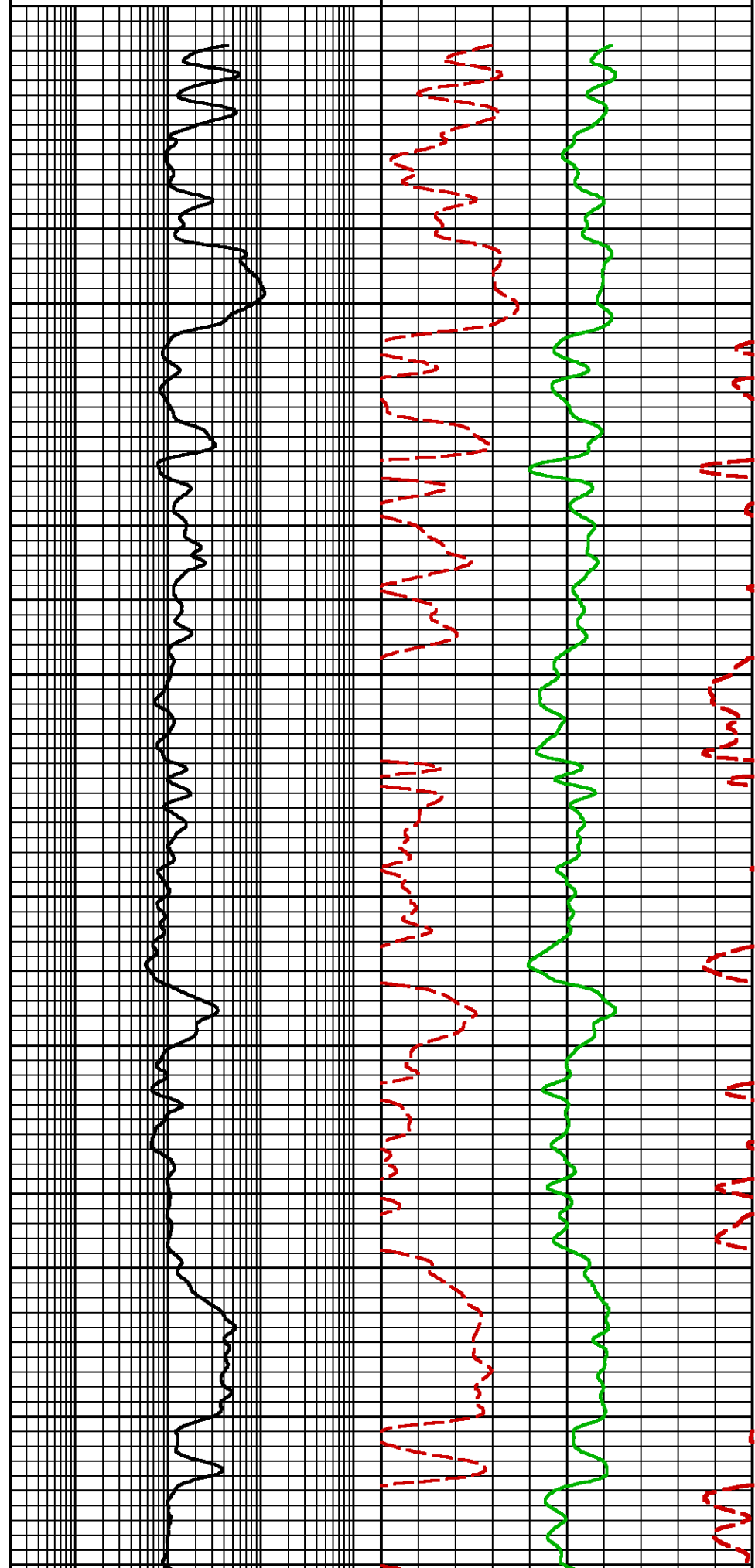


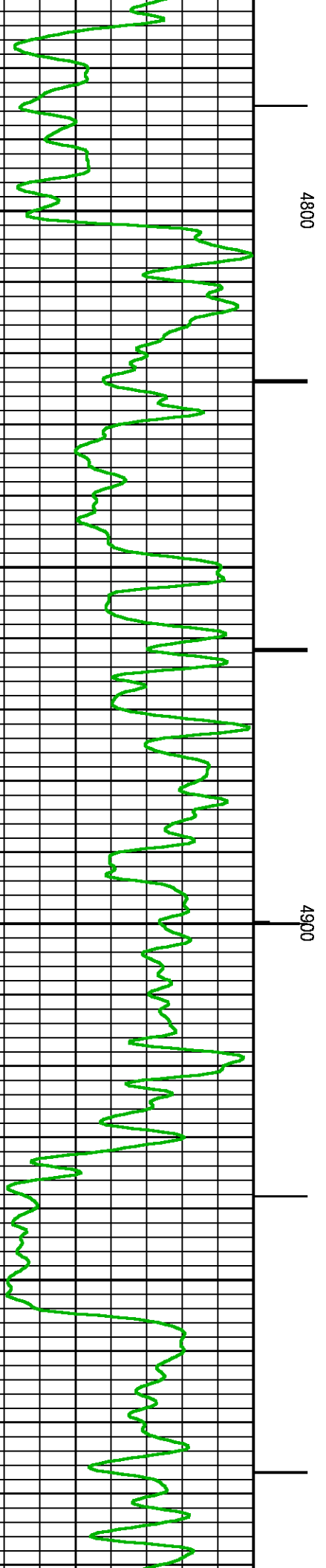
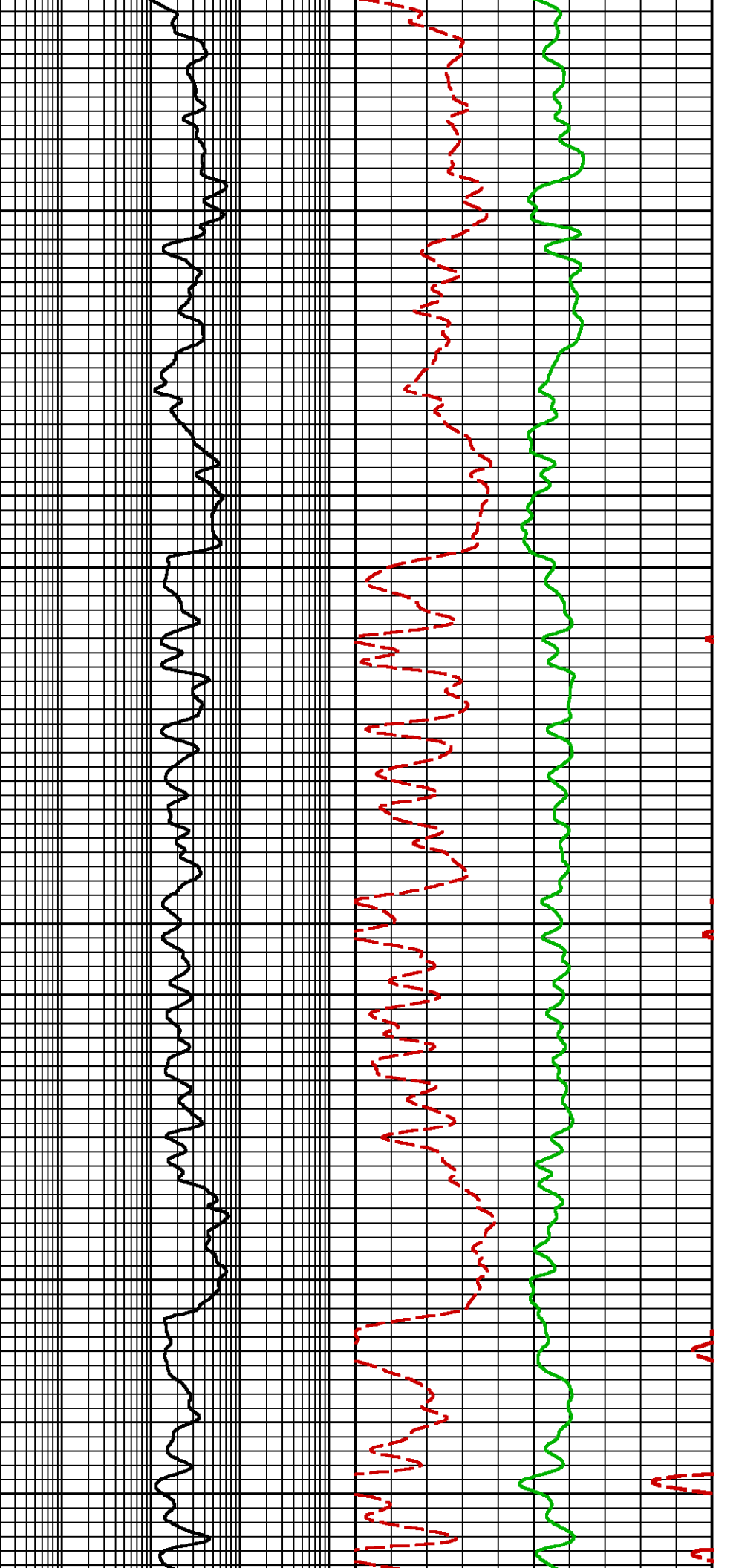
NEO RESULTS FOR BRUTON 30-17E (MAIN)

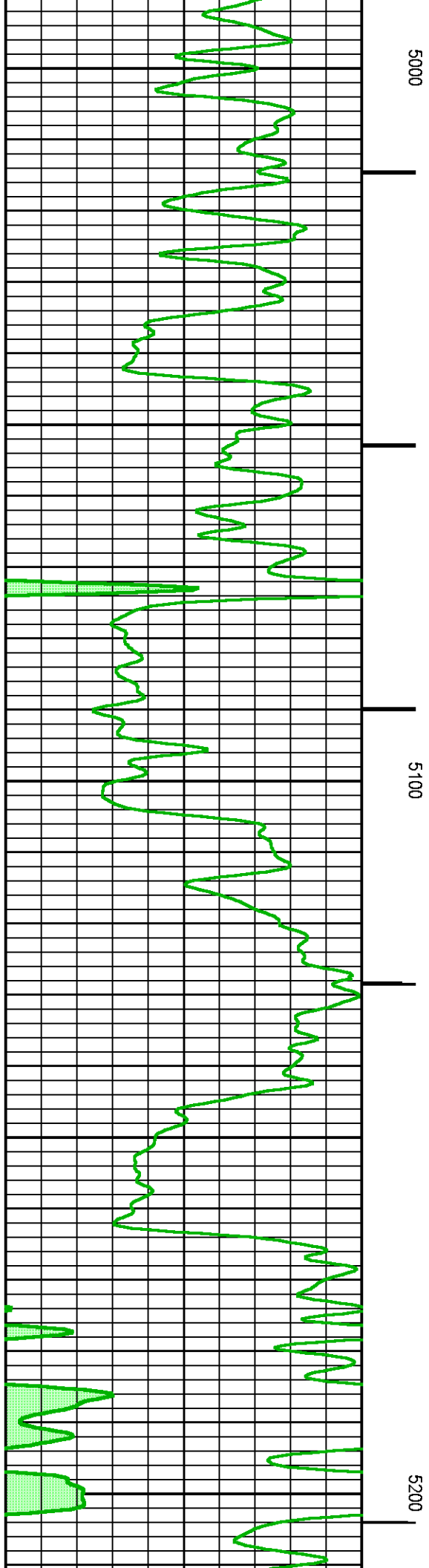
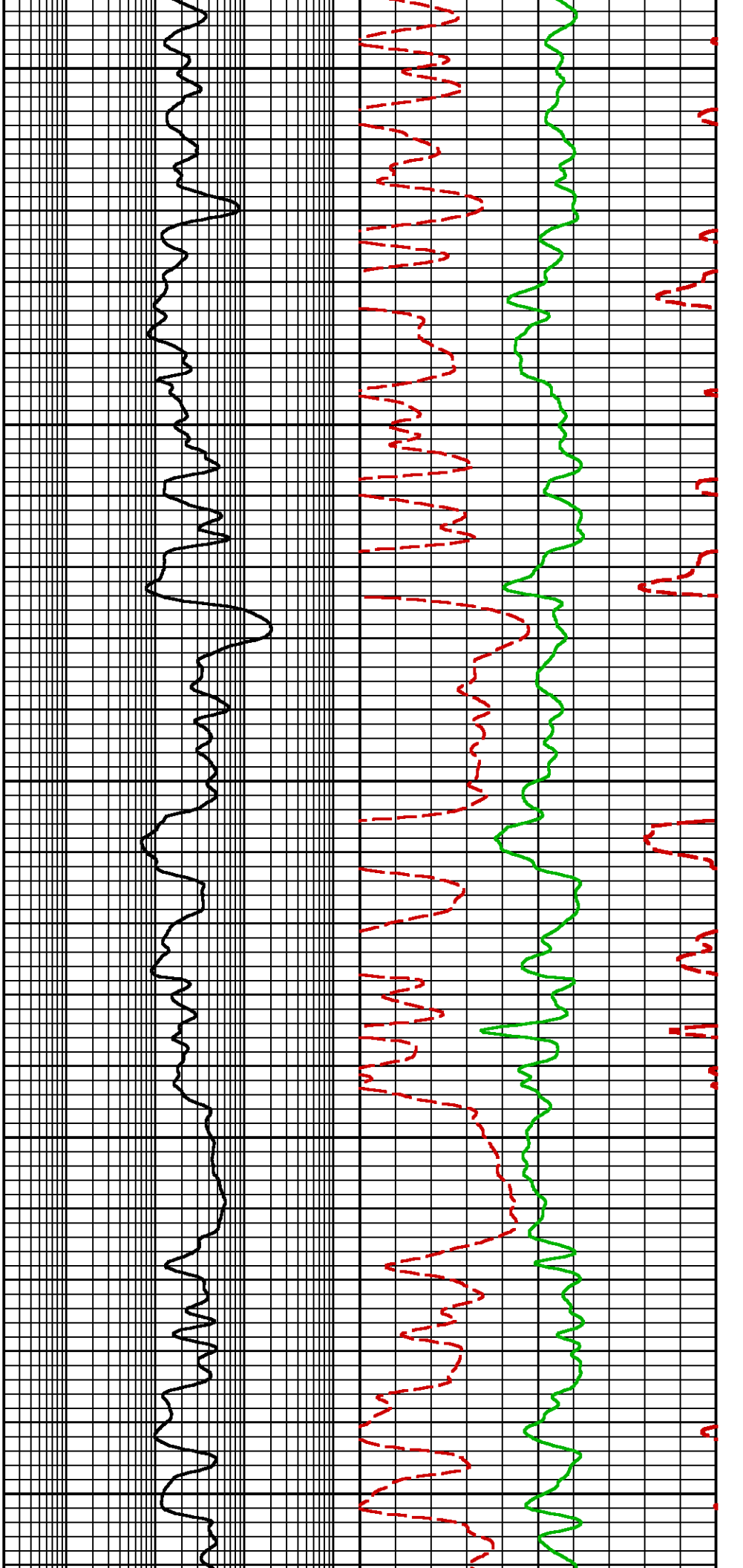
Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_30_17e\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval : 4560 - 7864.25 Feet
Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_bruton_30_17e\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : BRUTON 30-17E
Field : VEGA
File Interval : 2463.25 - 7864.25 Feet
OCT : NA

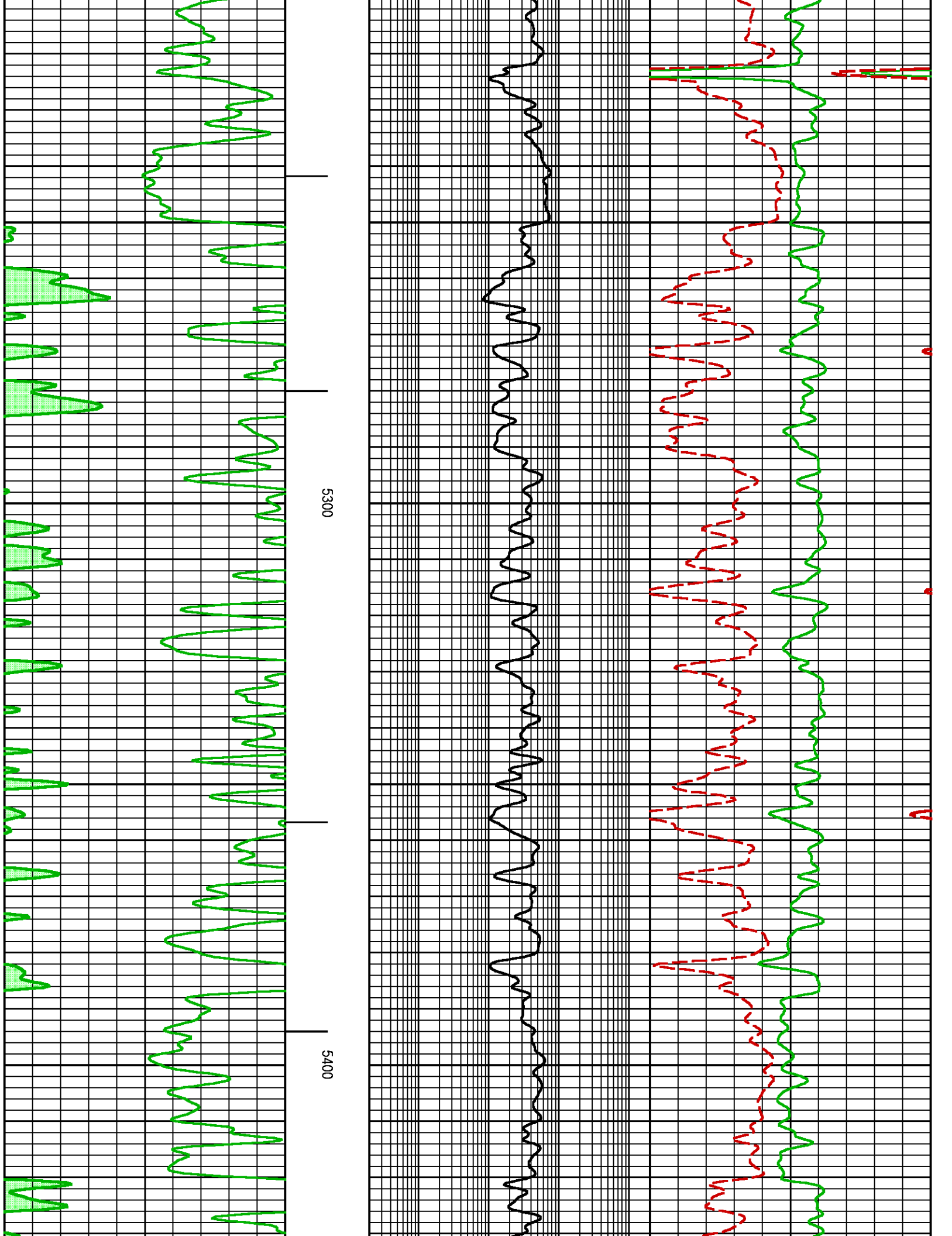


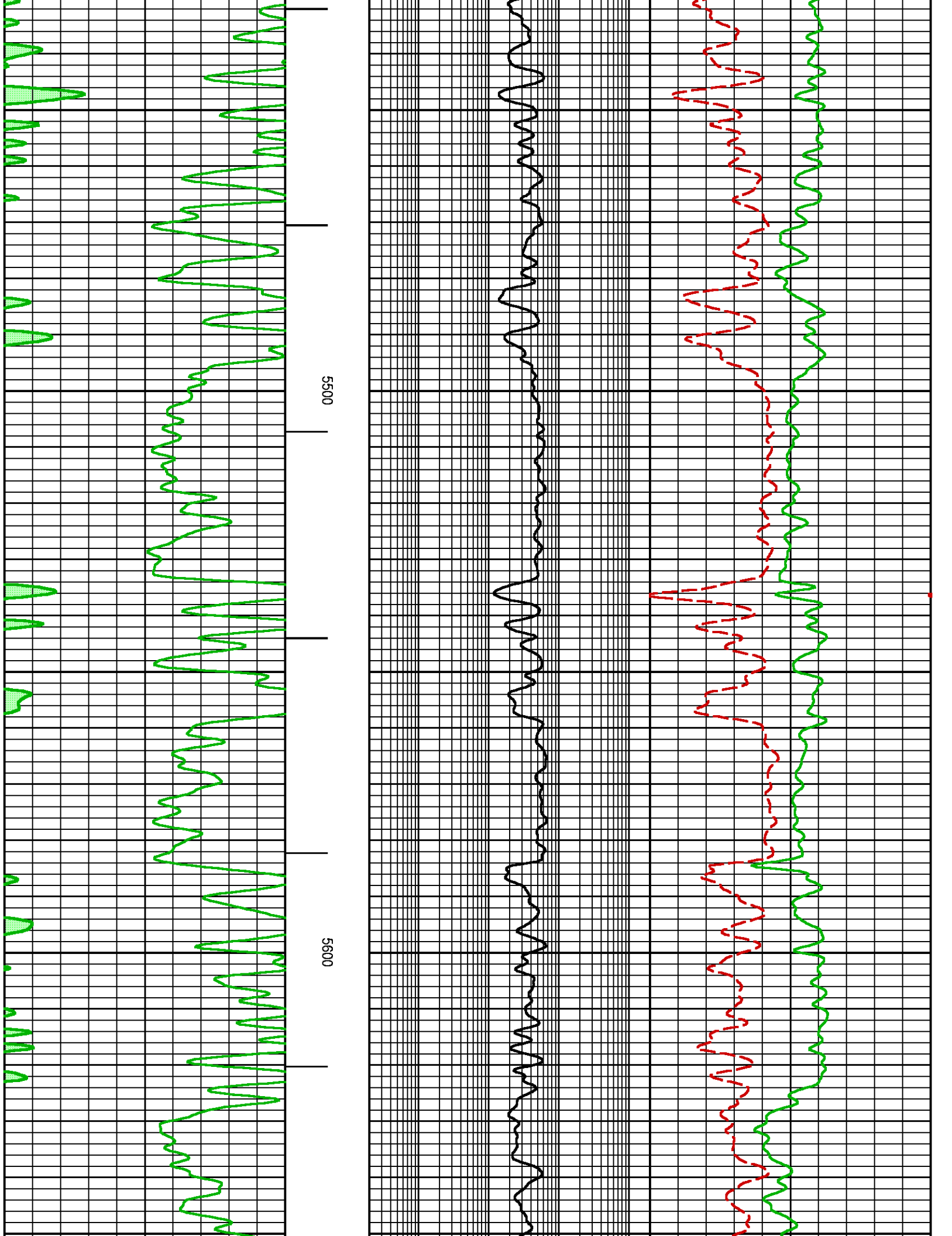
EMULATED NEUTRON POROSITY (mH2O)
0.3 -0.1
(FRAC)

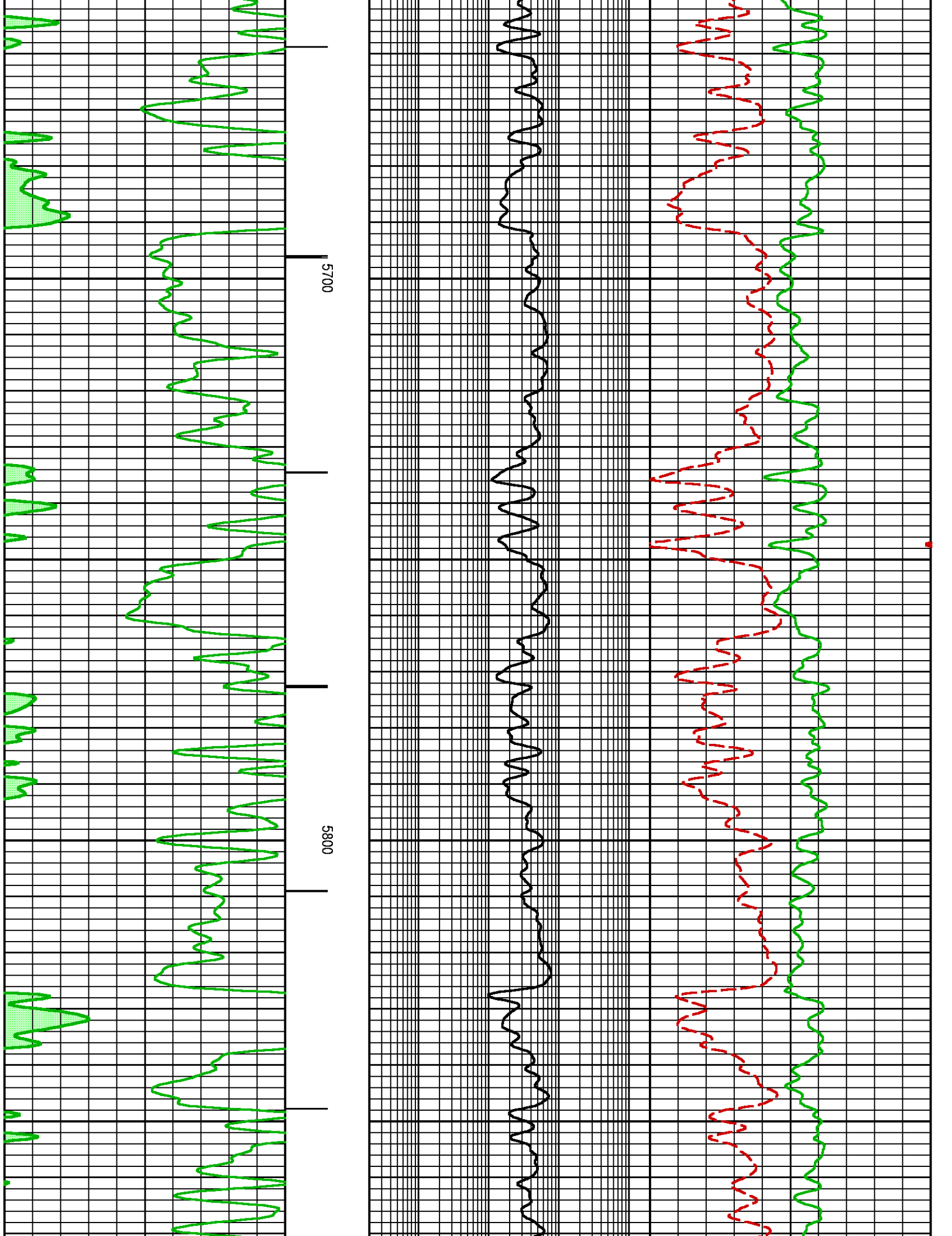


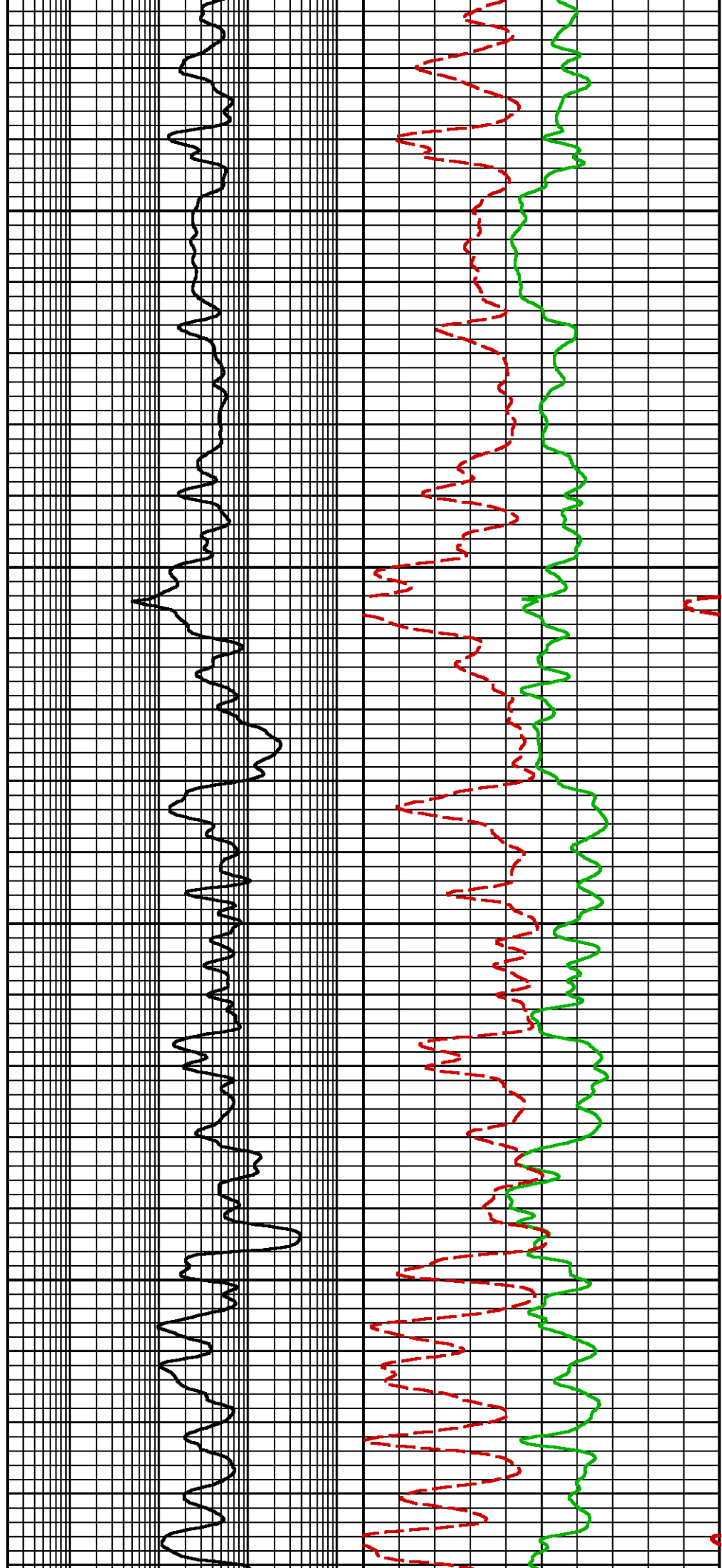
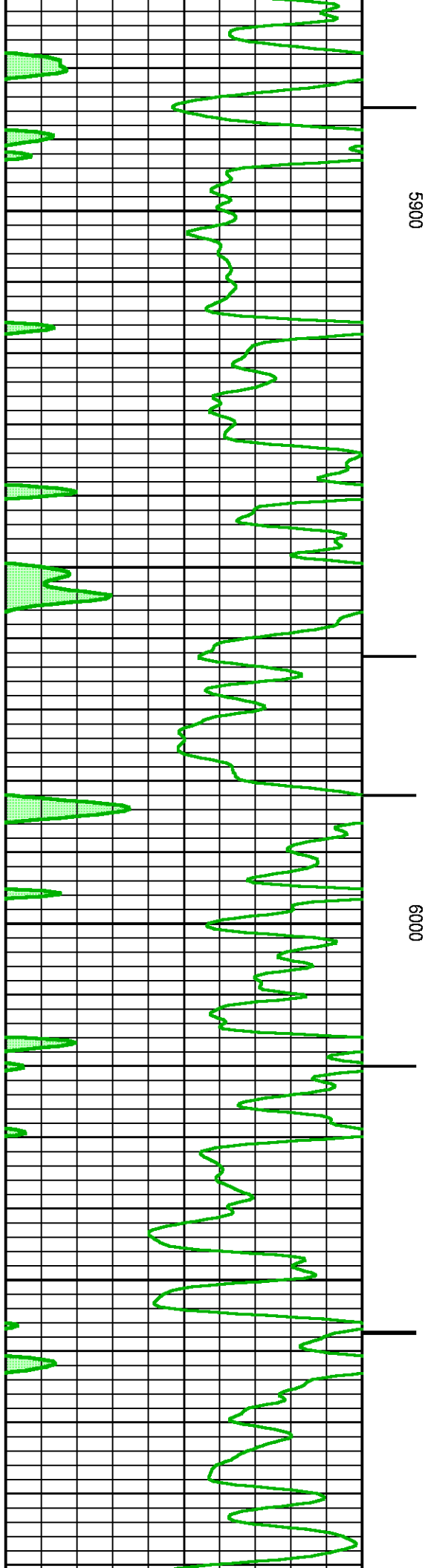


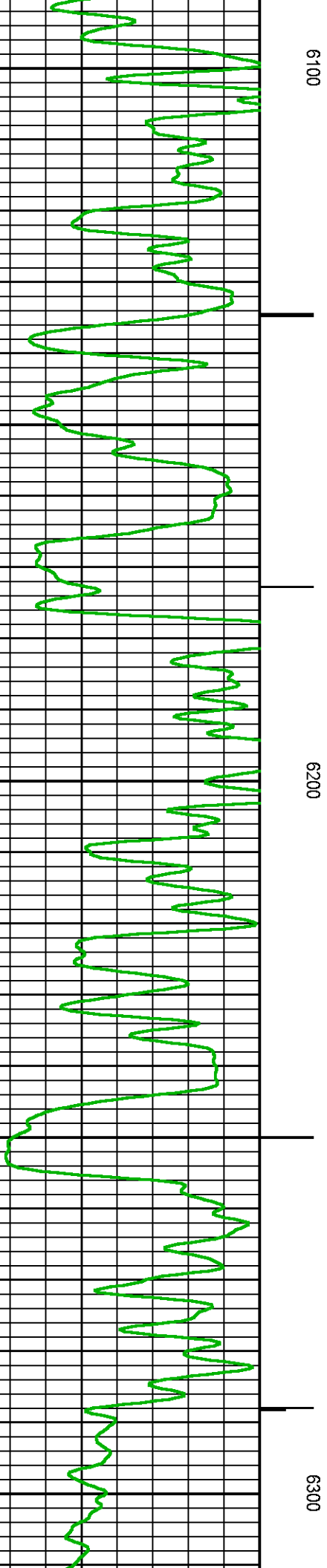
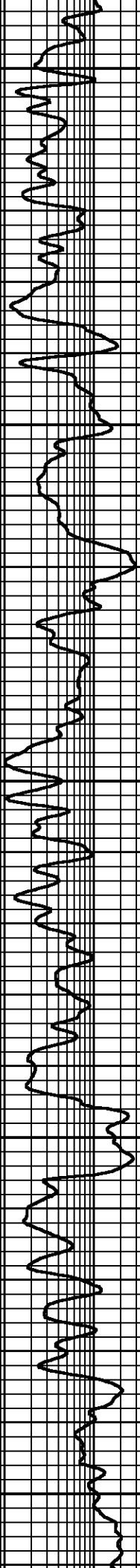
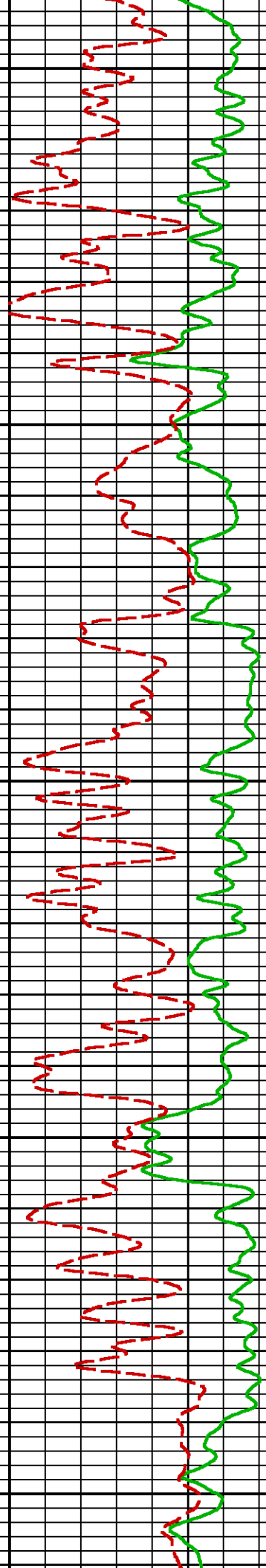


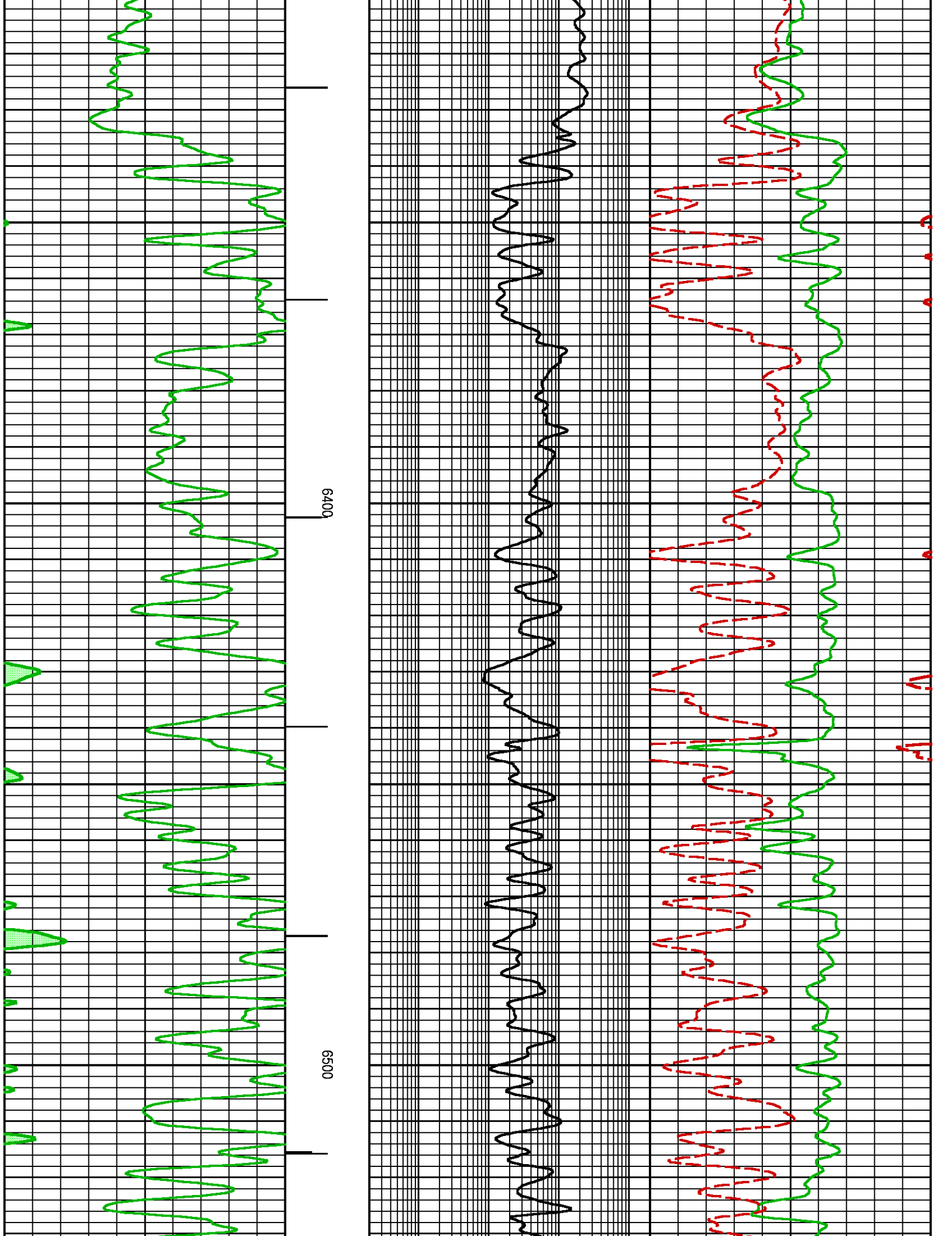


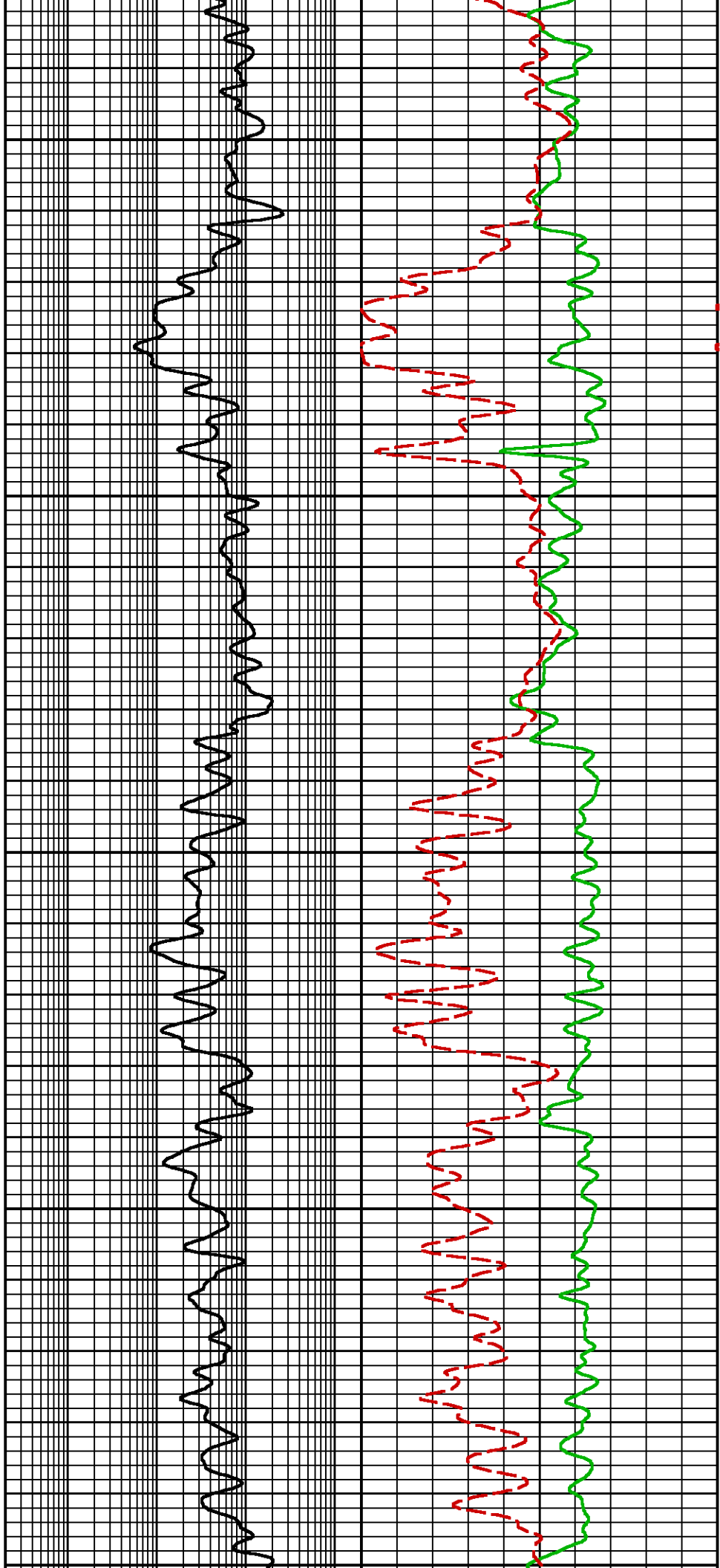
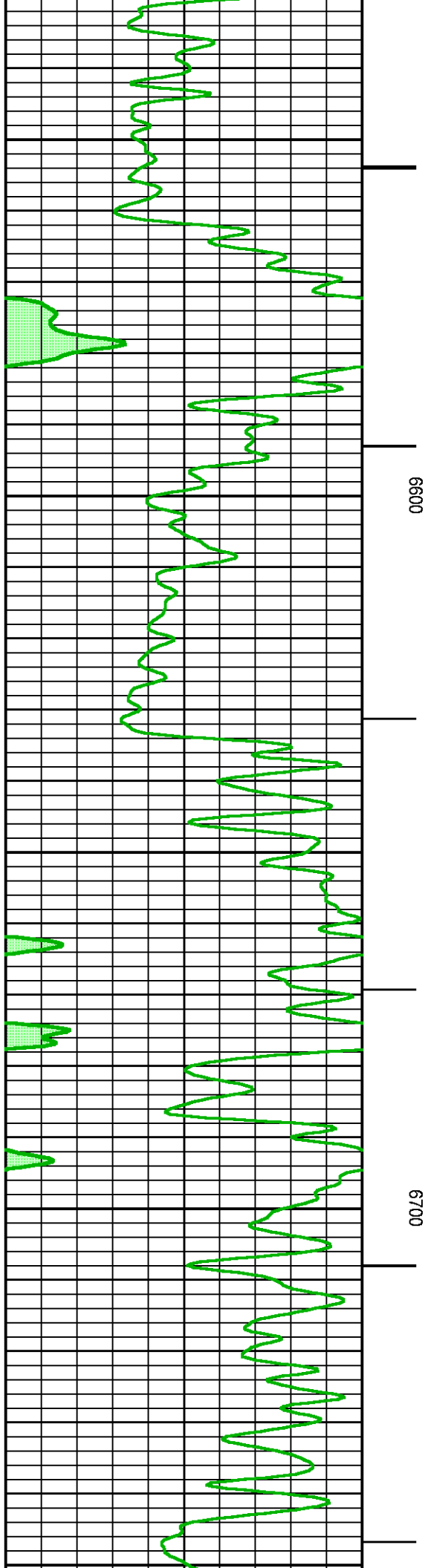


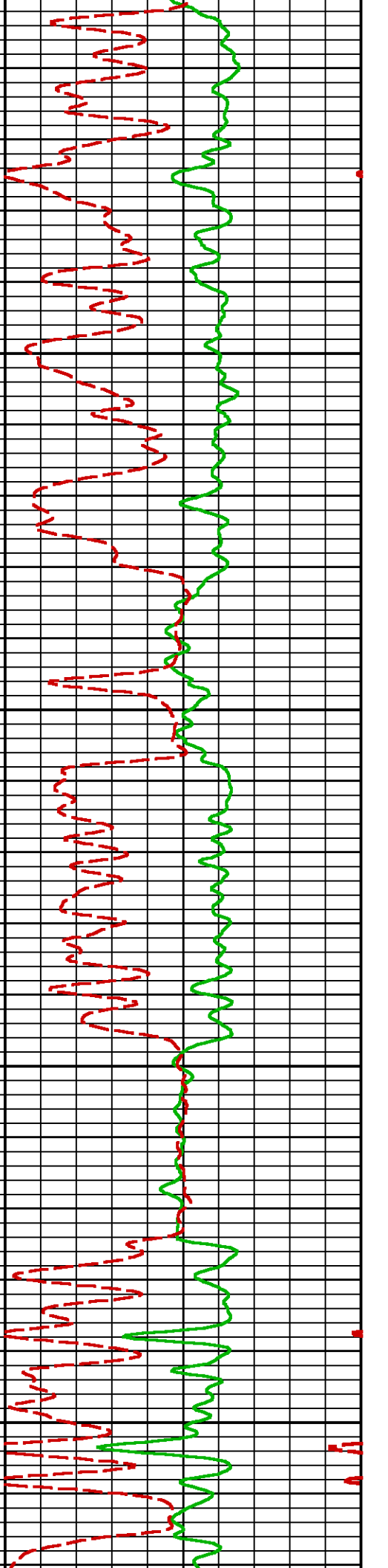
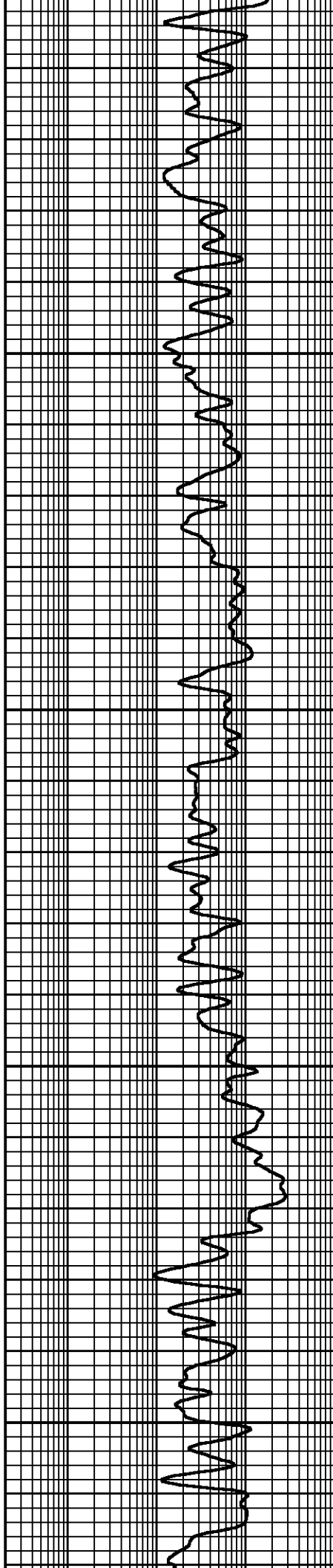
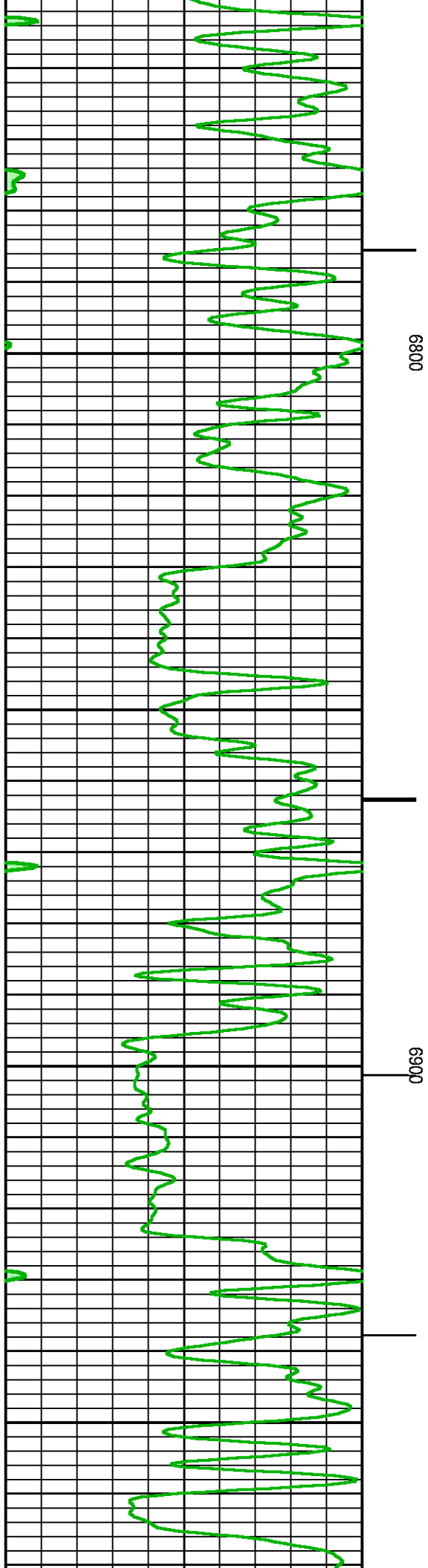


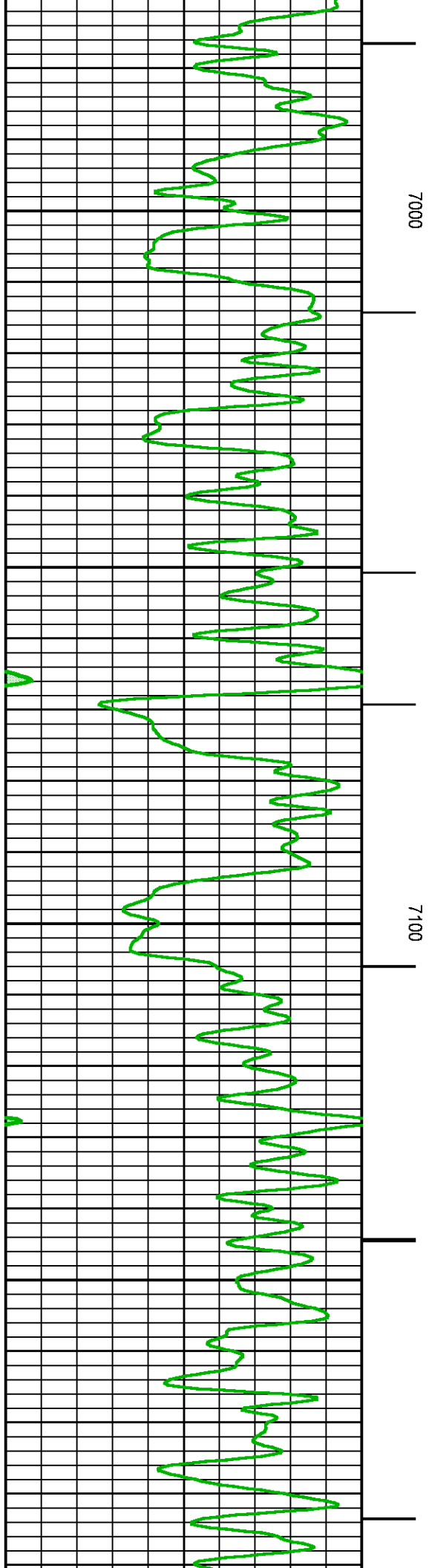
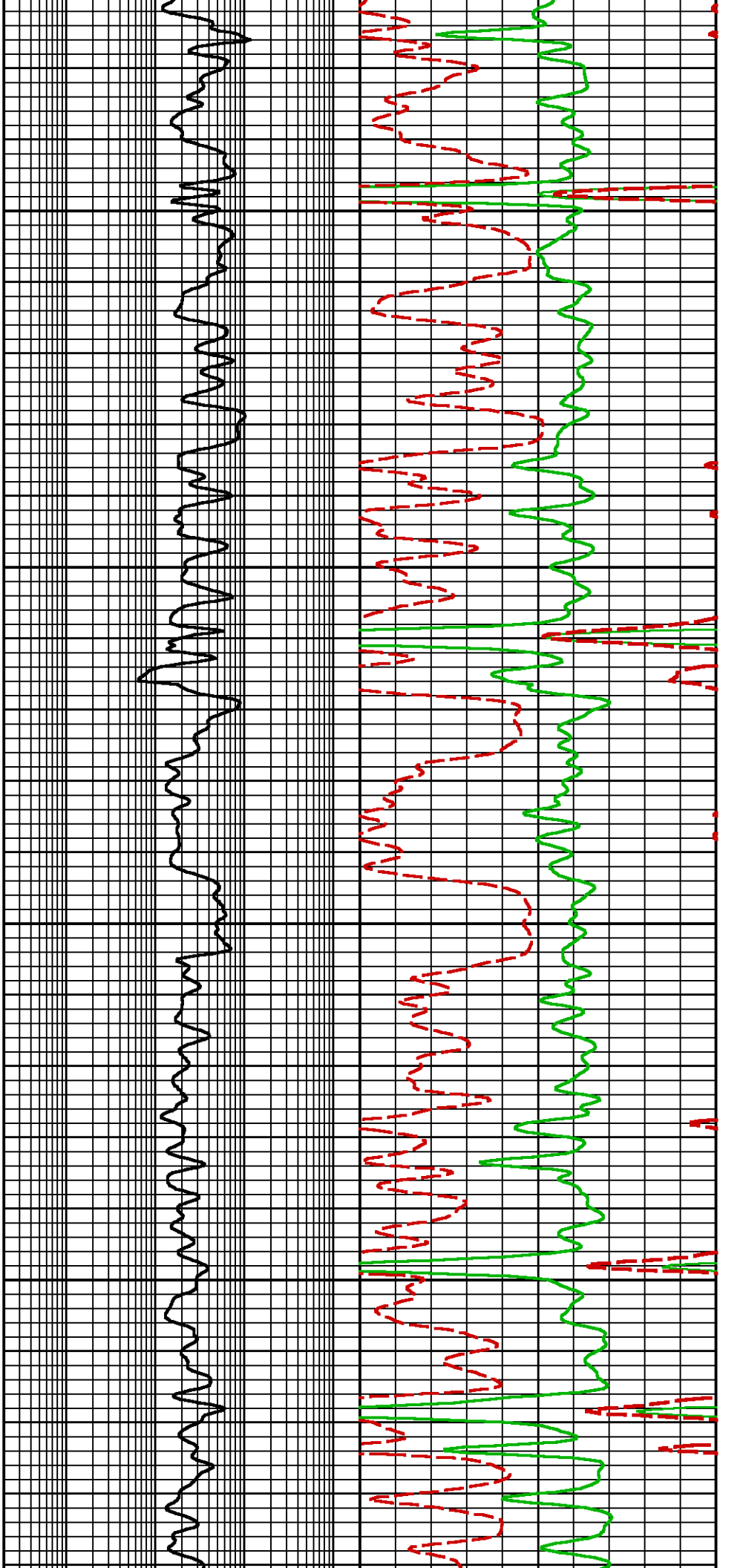


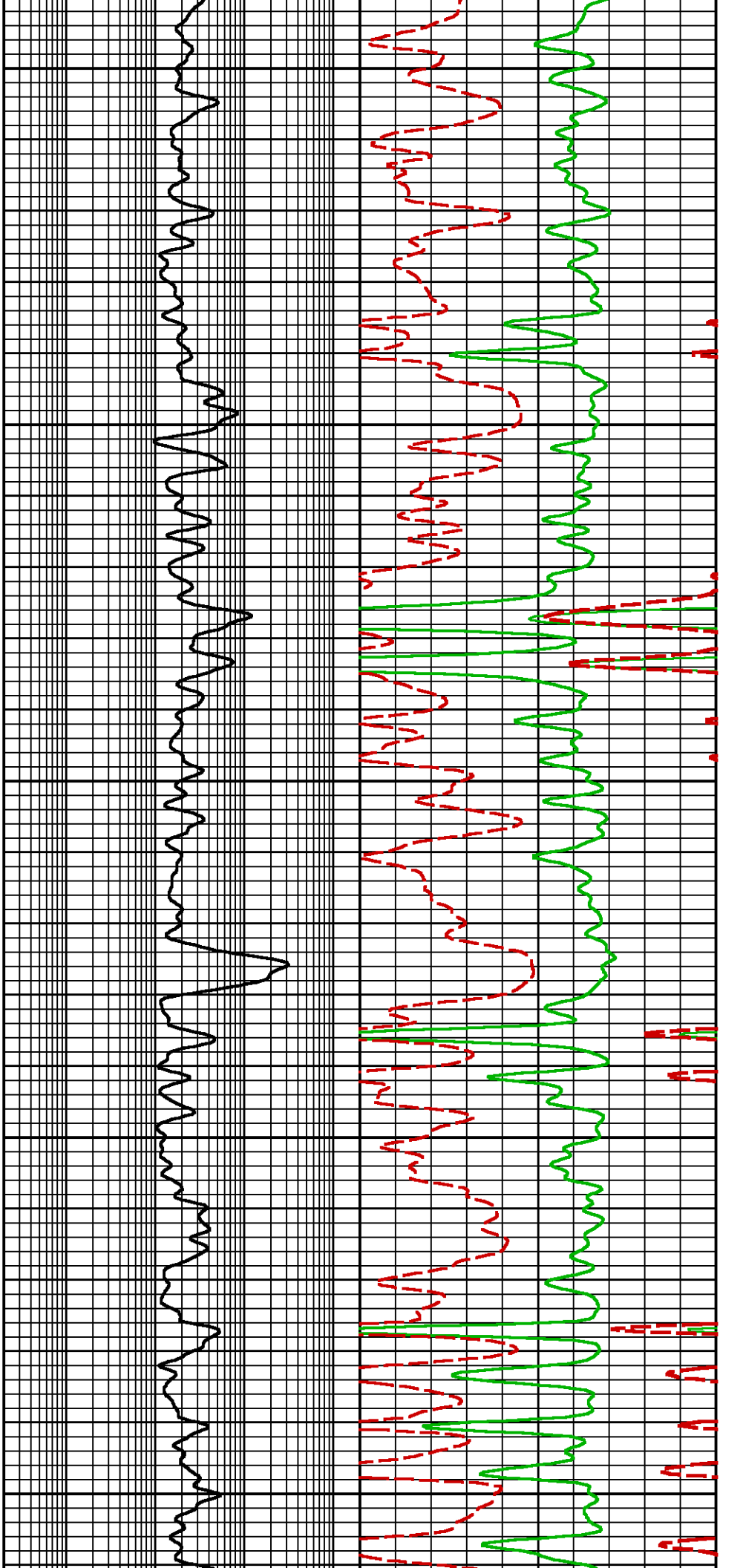








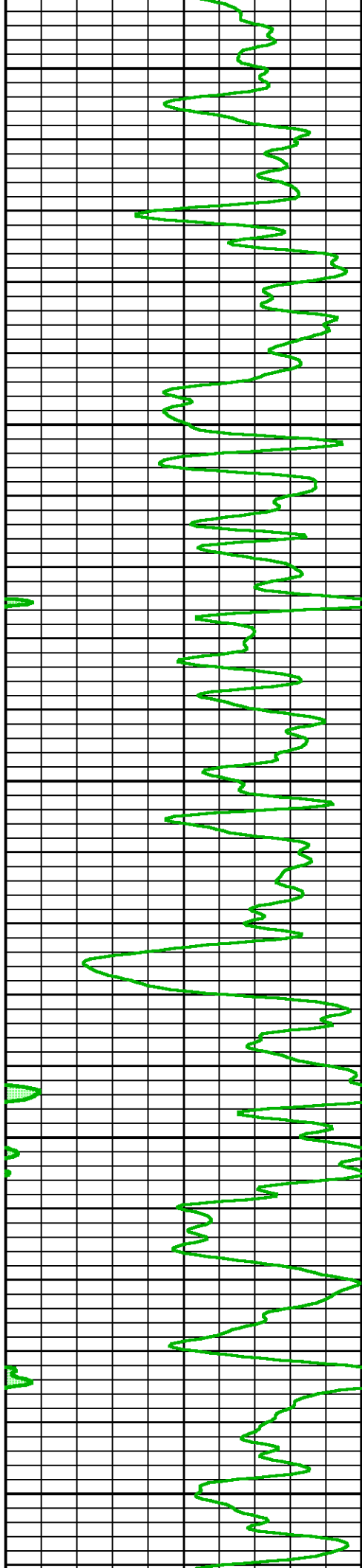


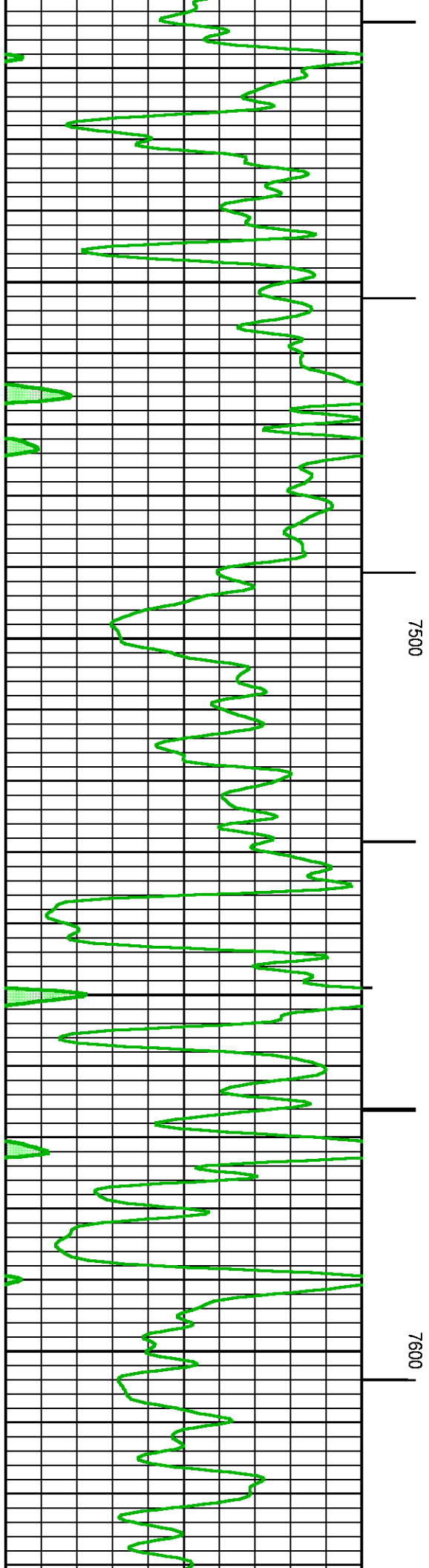
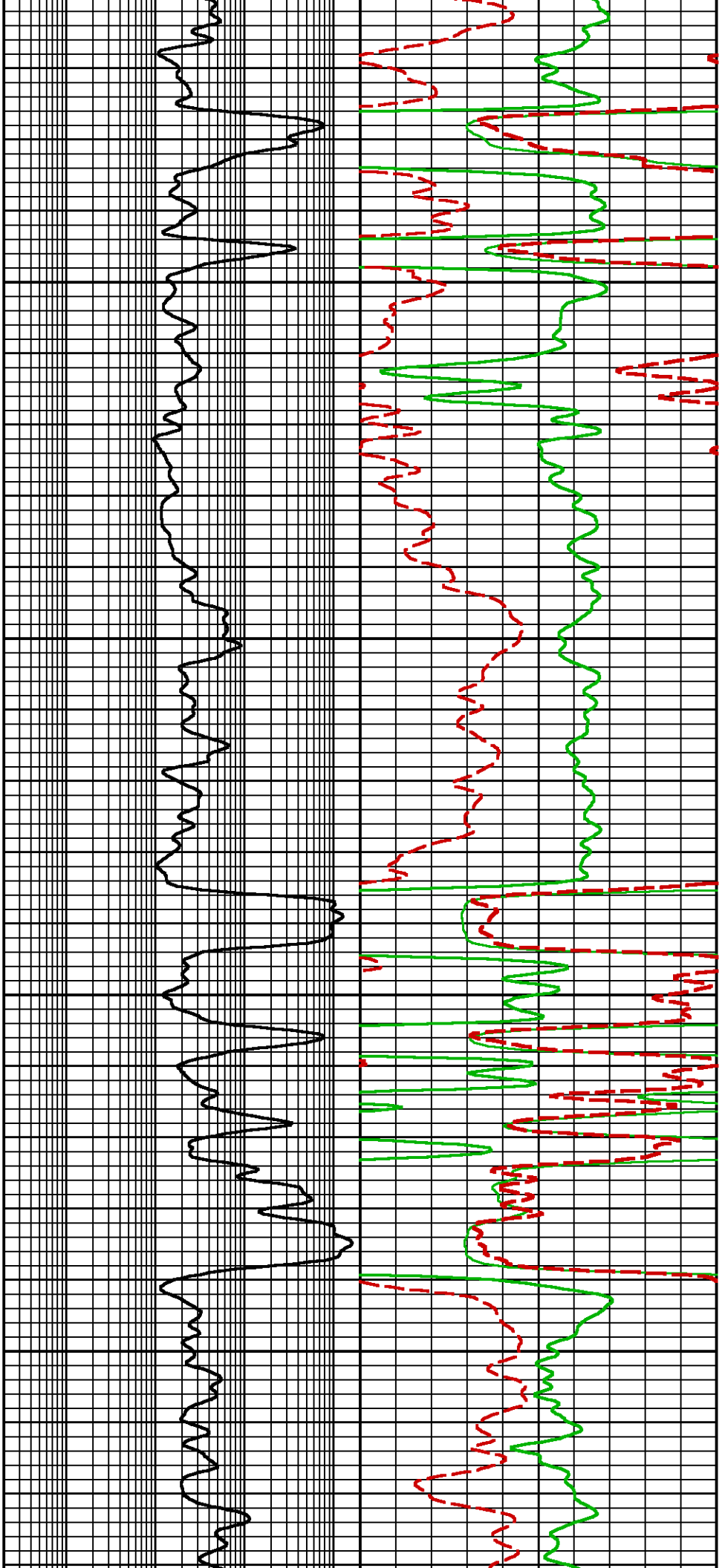


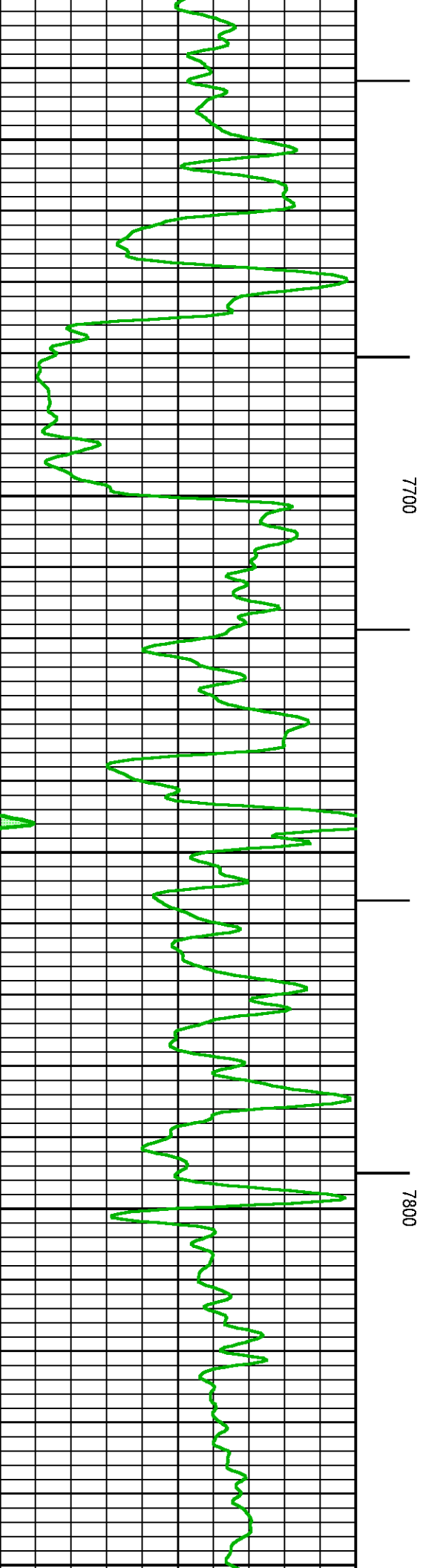
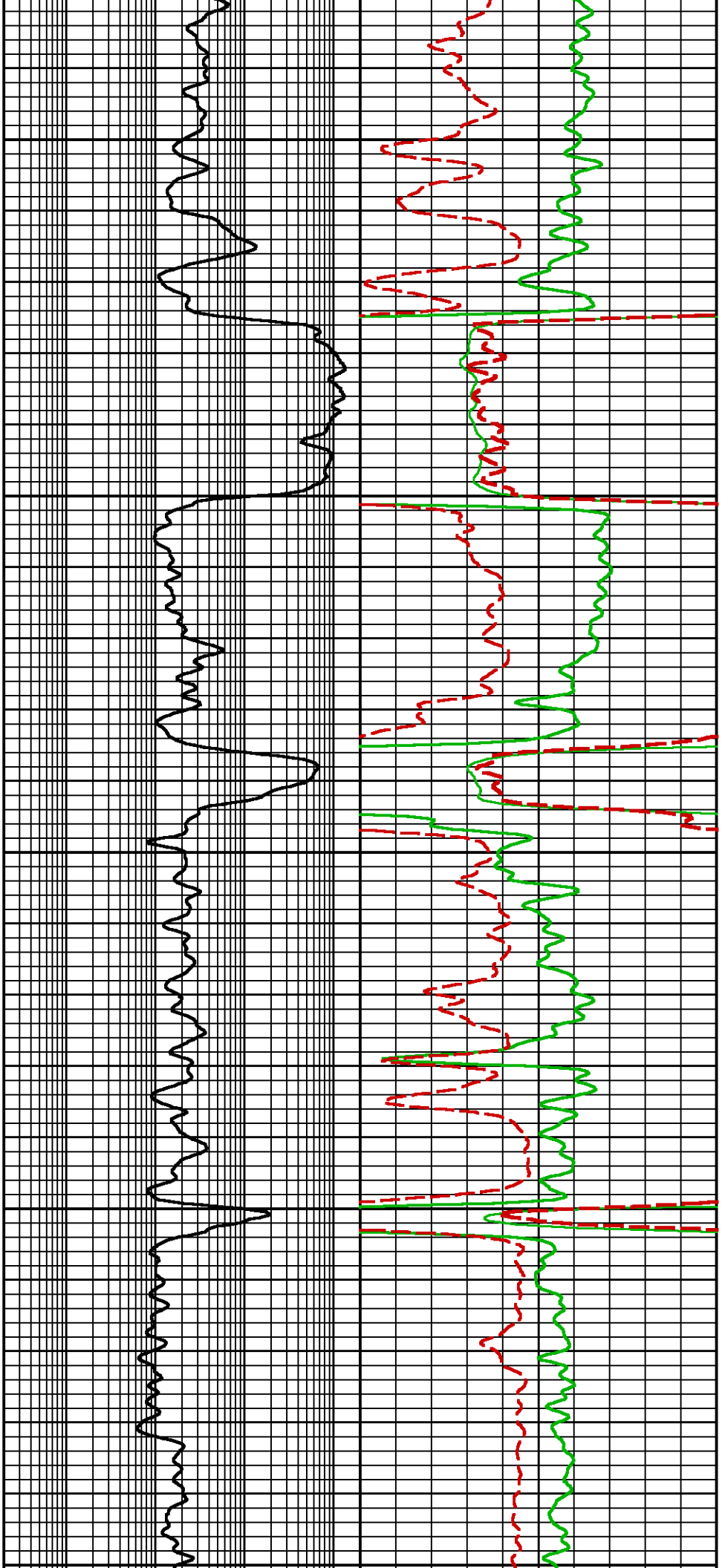
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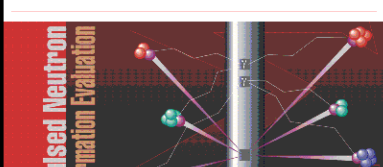
7300

7400







 	COMPANY <u>LARAMIE ENERGY</u> WELL <u>BRUTON 30-17E</u> FIELD <u>VEGA</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>		FILE NO: _____ API NO: <u>05-077-10477-0000</u>
	LOCATION: <u>SEE REMARKS</u>		ELEVATIONS: KB <u>7673 FT</u> DF <u>7672 FT</u> GL <u>7643 FT</u>
SEC <u>30</u> TWP <u>9S</u> RGE <u>93W</u>		DATE <u>4-APR-2018</u>	