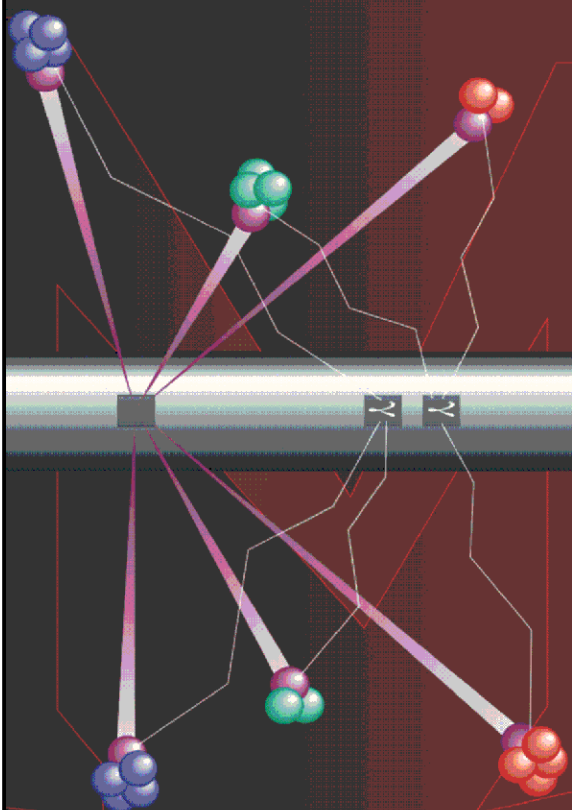




Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL GUNDERSON 20-04W

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 20 TWP 9S RGE 93W

ELEVATIONS:

KB 7176.0 FT DF 7175.0 FT GL 7146.0 FT

DATE 21-JUL-2017 ECC 27652-01

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>CALGARY GEOSCIENCE</u>	LOG ANALYST: <u>A. KOTOV</u>		DATE: <u>25-JUL-2017</u>
FIELD DATA	LOCATION: <u>WOODWARD</u>		ENGINEER: <u>M.MENTZER/US125133</u>	DATE: <u>21-JUL-2017</u>
FROM	TO			
<u>2155 FT</u>	<u>7476 FT</u>			

REMARKS

LOCATION:
SHL: LAT:39.266919N; LONG:107.795317W
BHL: LAT:39.267151N; LONG:107.797721W

*****TRAINING WELL*****

OPEN HOLE LOG IS DEPTH REFERENCE LOG

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

NEO RESULTS FOR GUNDERSON 20-04W

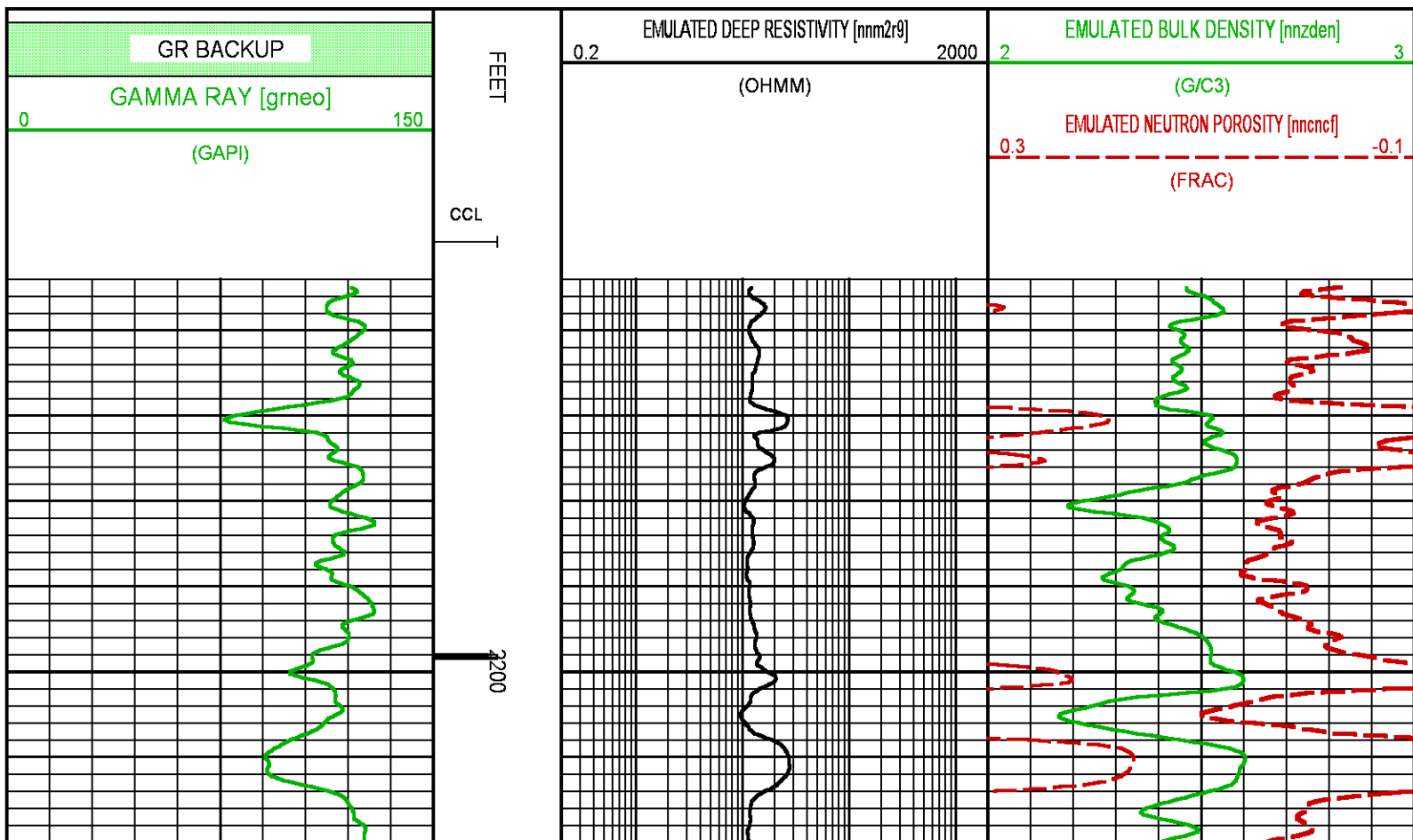
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 5.0.7343.1 Sun 02/07/2016 16:48:51.73

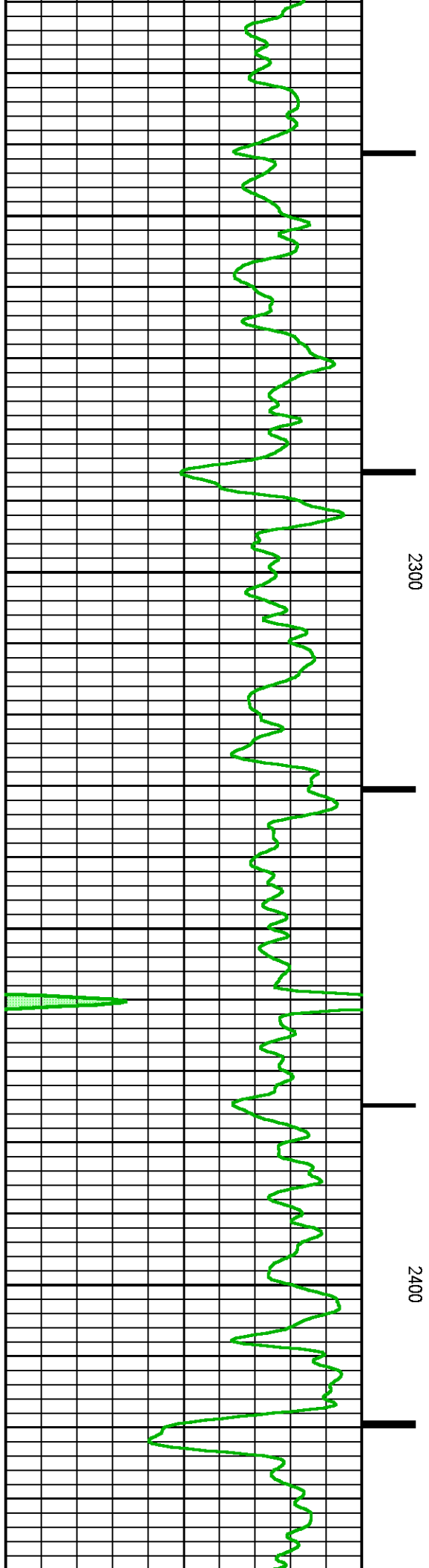
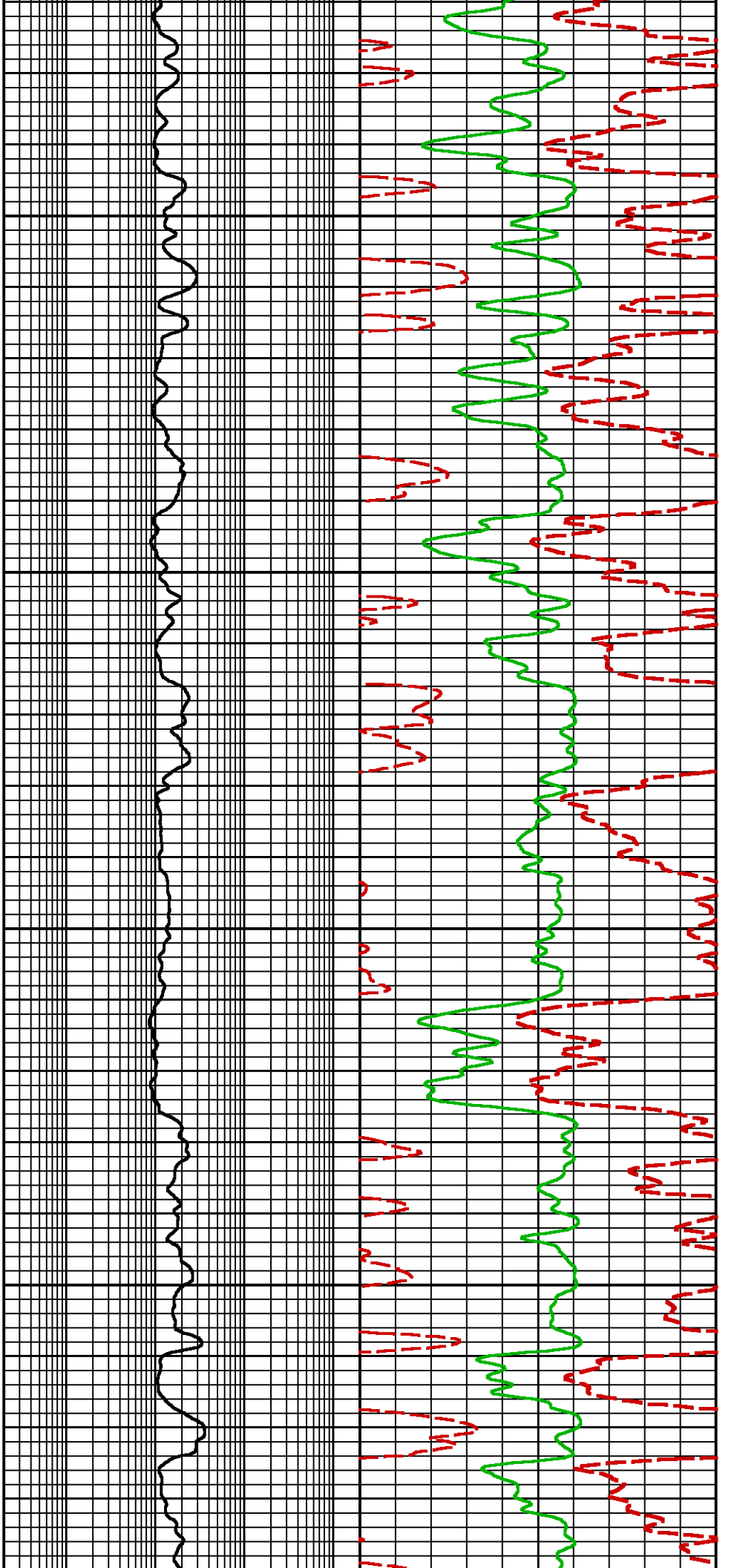
Plotted: Tue Jul 25 08:55:48 2017

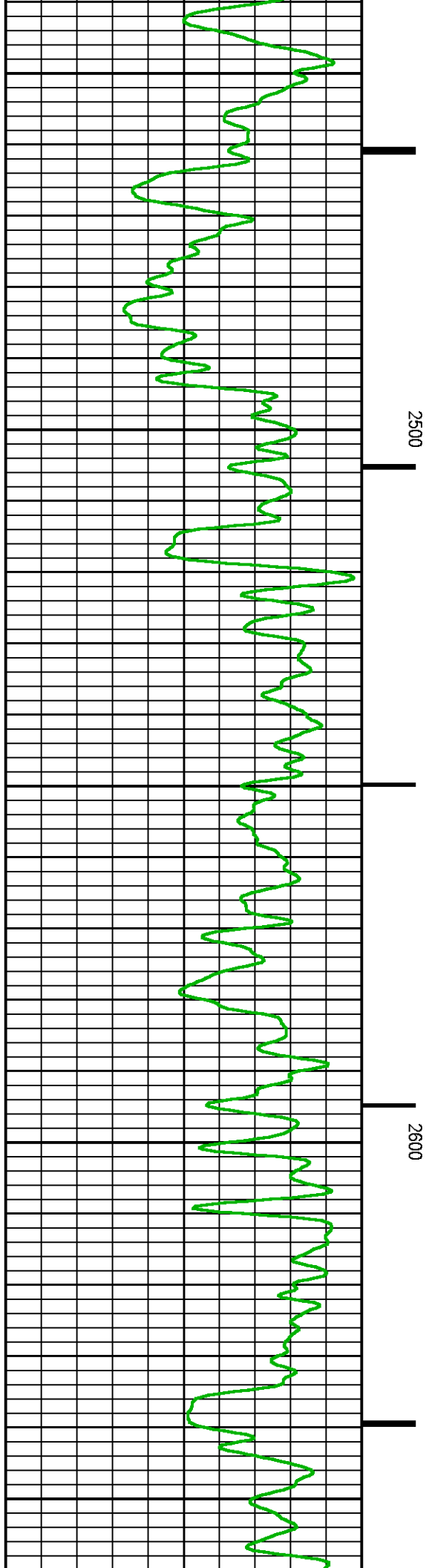
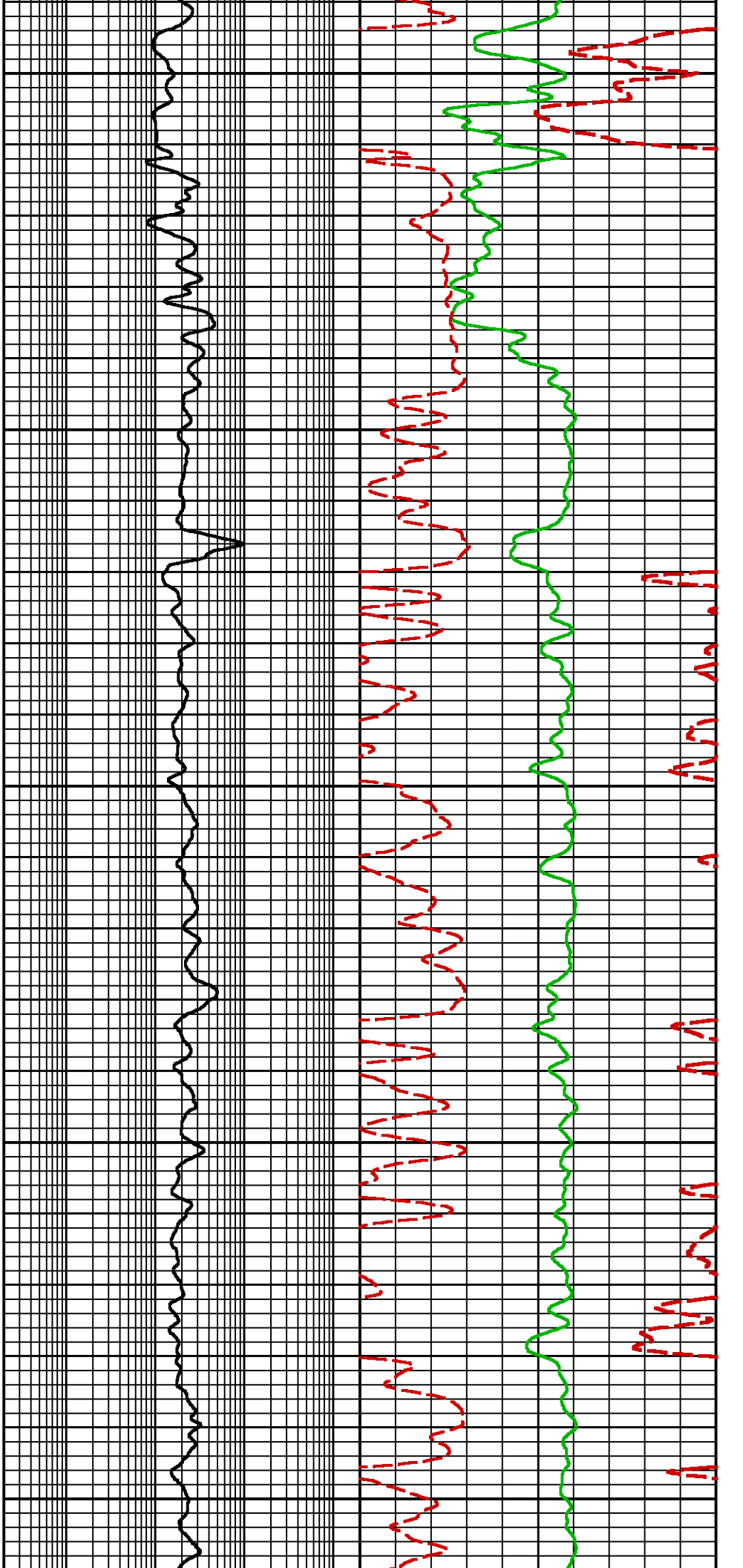
CURVE MEASURE POINT OFFSET

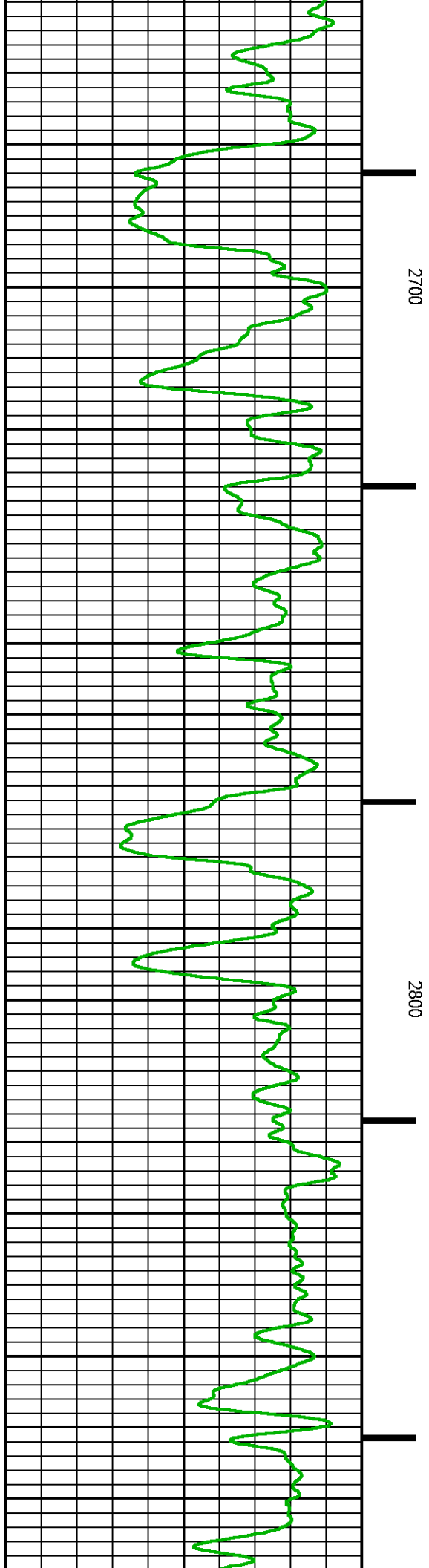
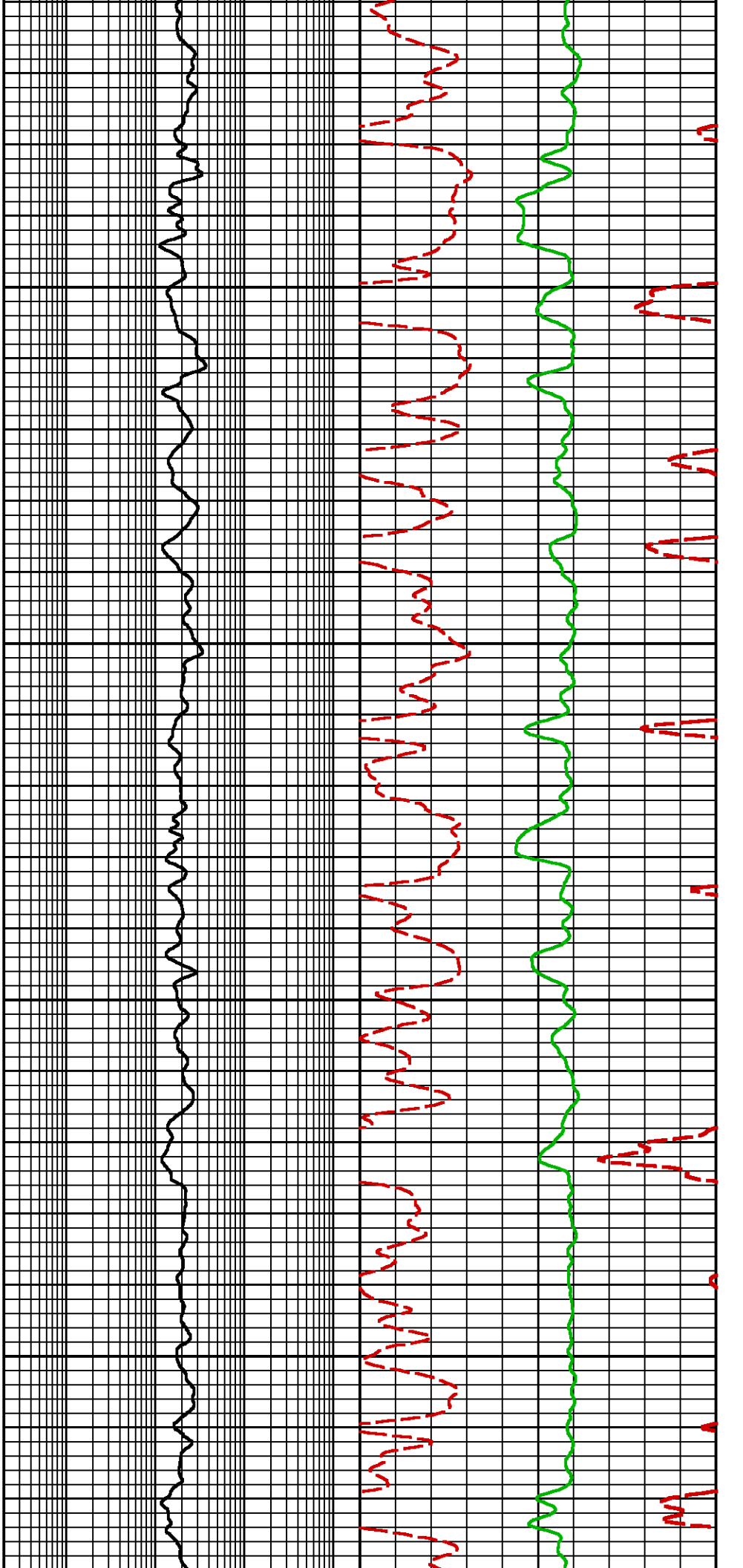
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

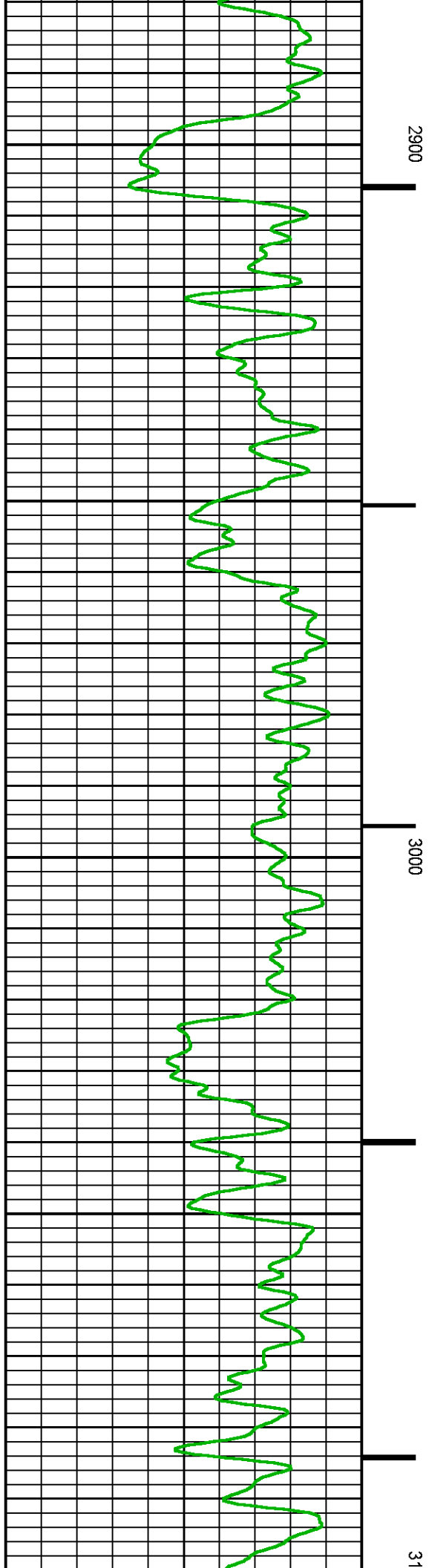
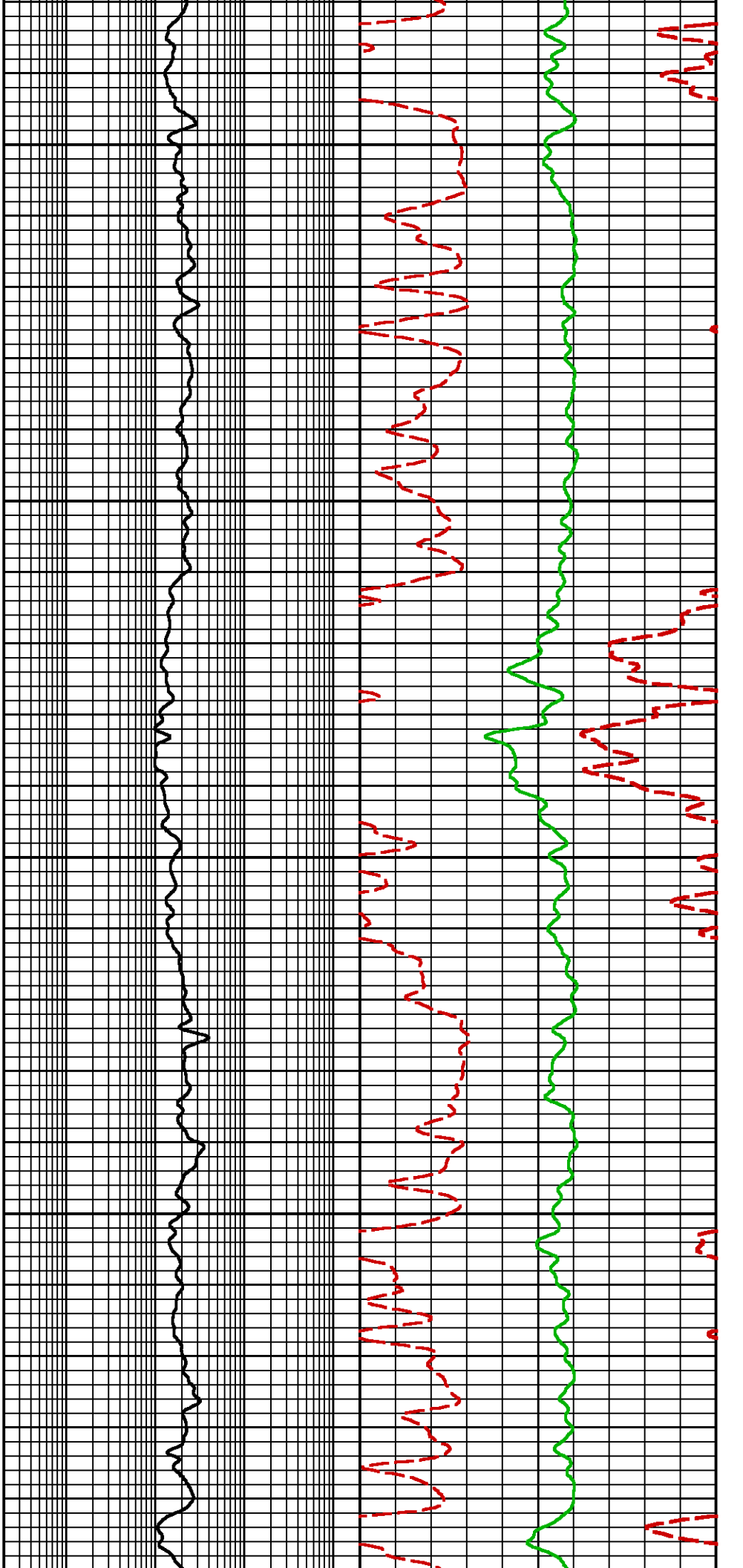
Project : NA
User : kotoale
Presentation : BHI1F65XZ1:D:\Ape_Projects\GUNDERSON_20_04W_TW\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100" Scale]
Plot Interval : 2155 - 7476 Feet
Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\GUNDERSON_20_04W_TW\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY
Well : GUNDERSON 20-04W
Field : VEGA
File Interval : 2155 - 7476 Feet
OCT : NA

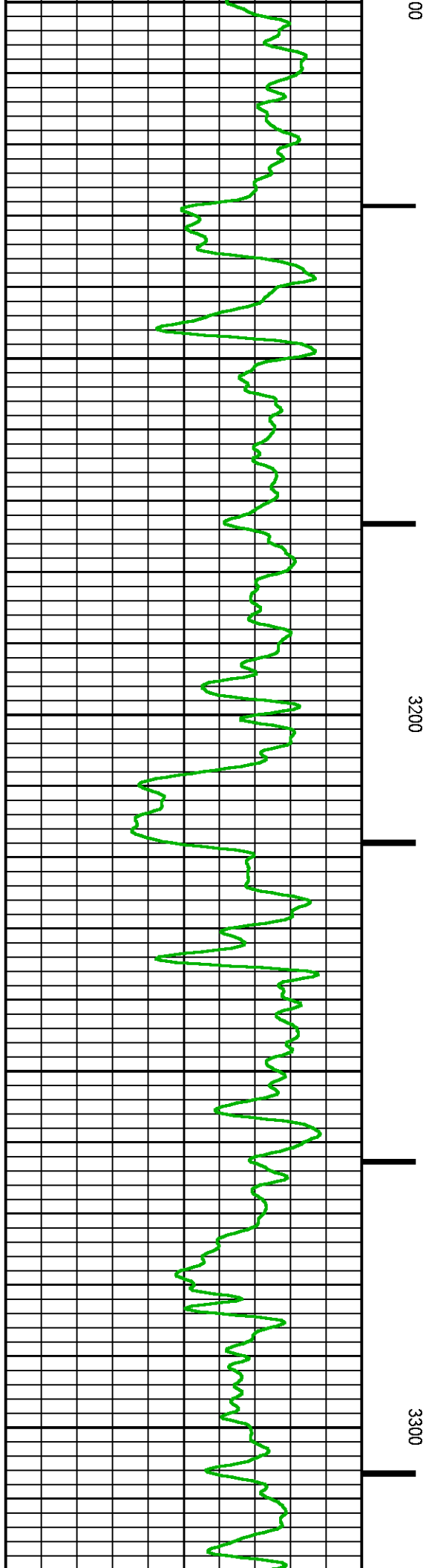
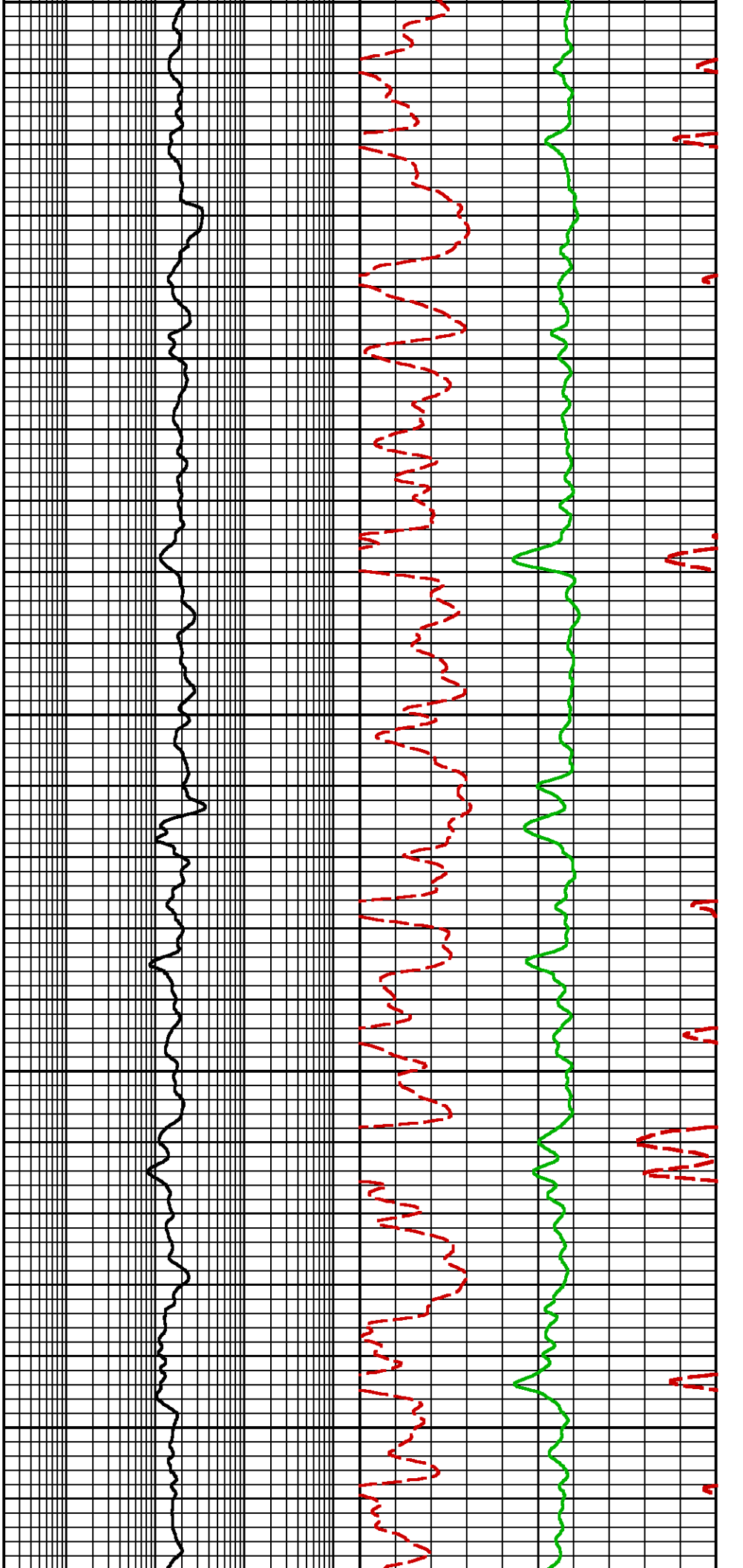


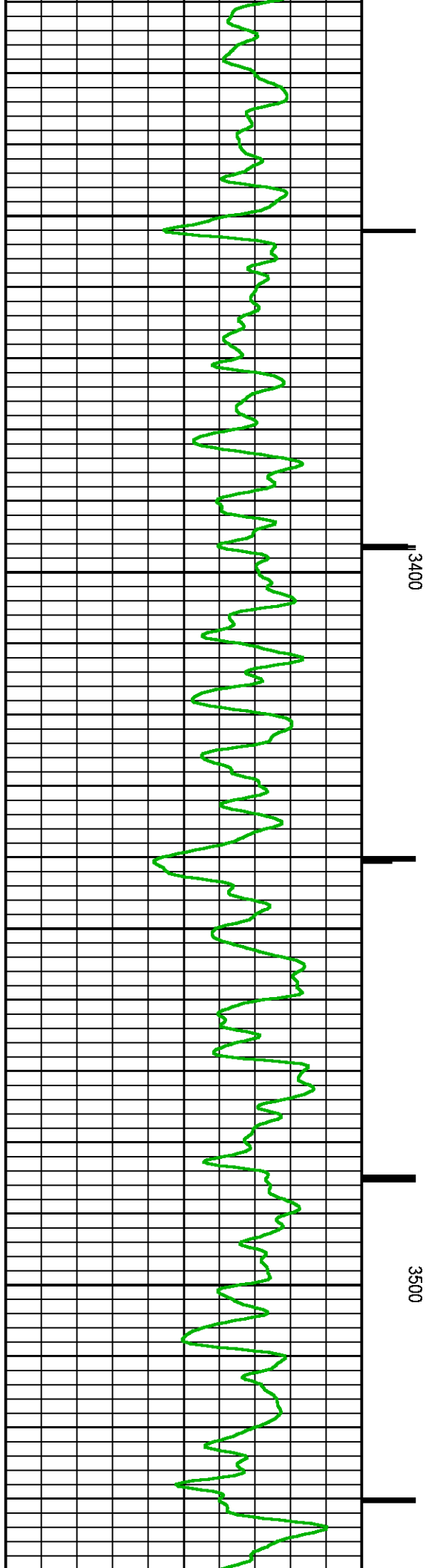
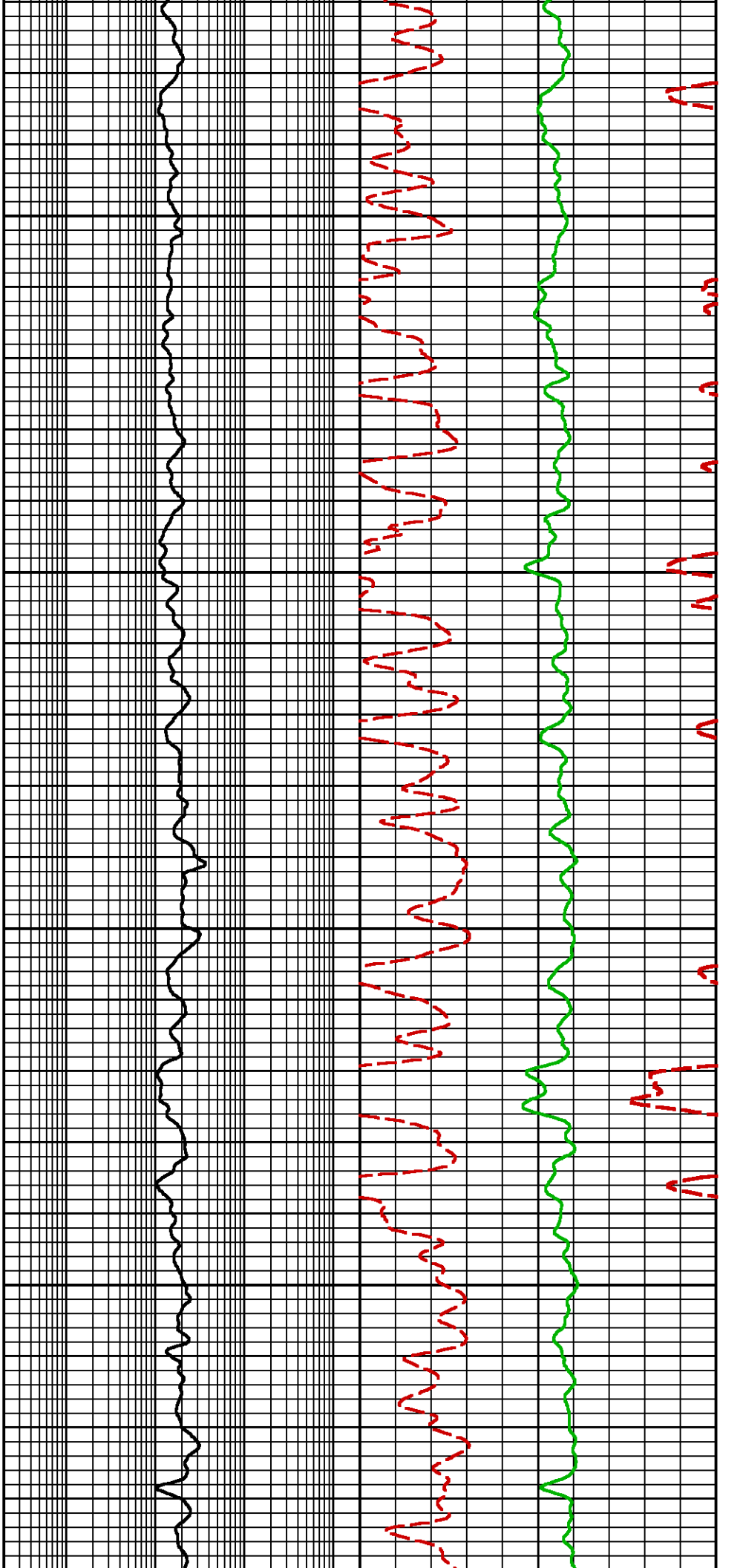


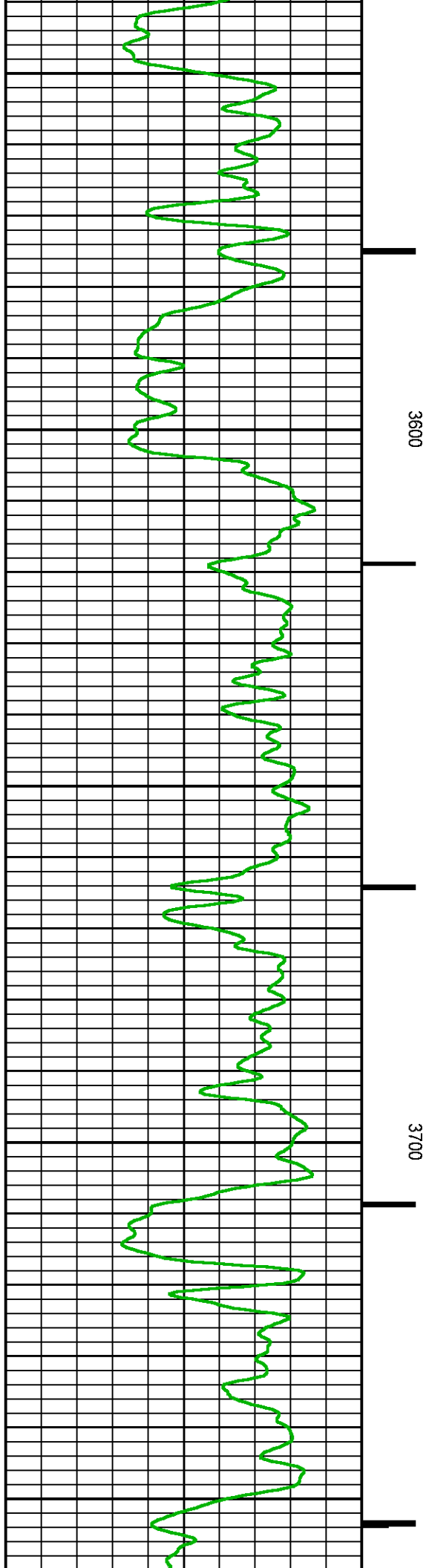
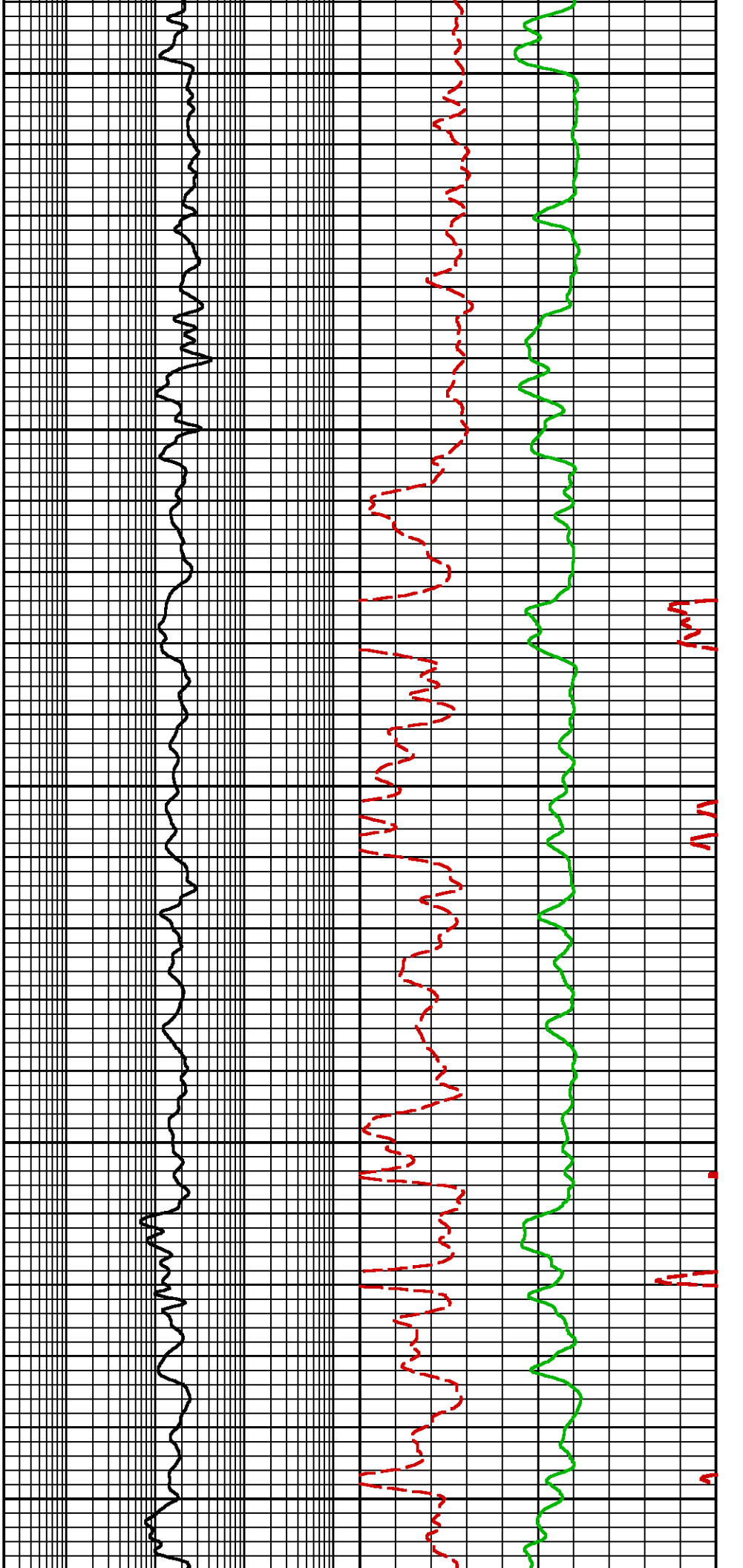


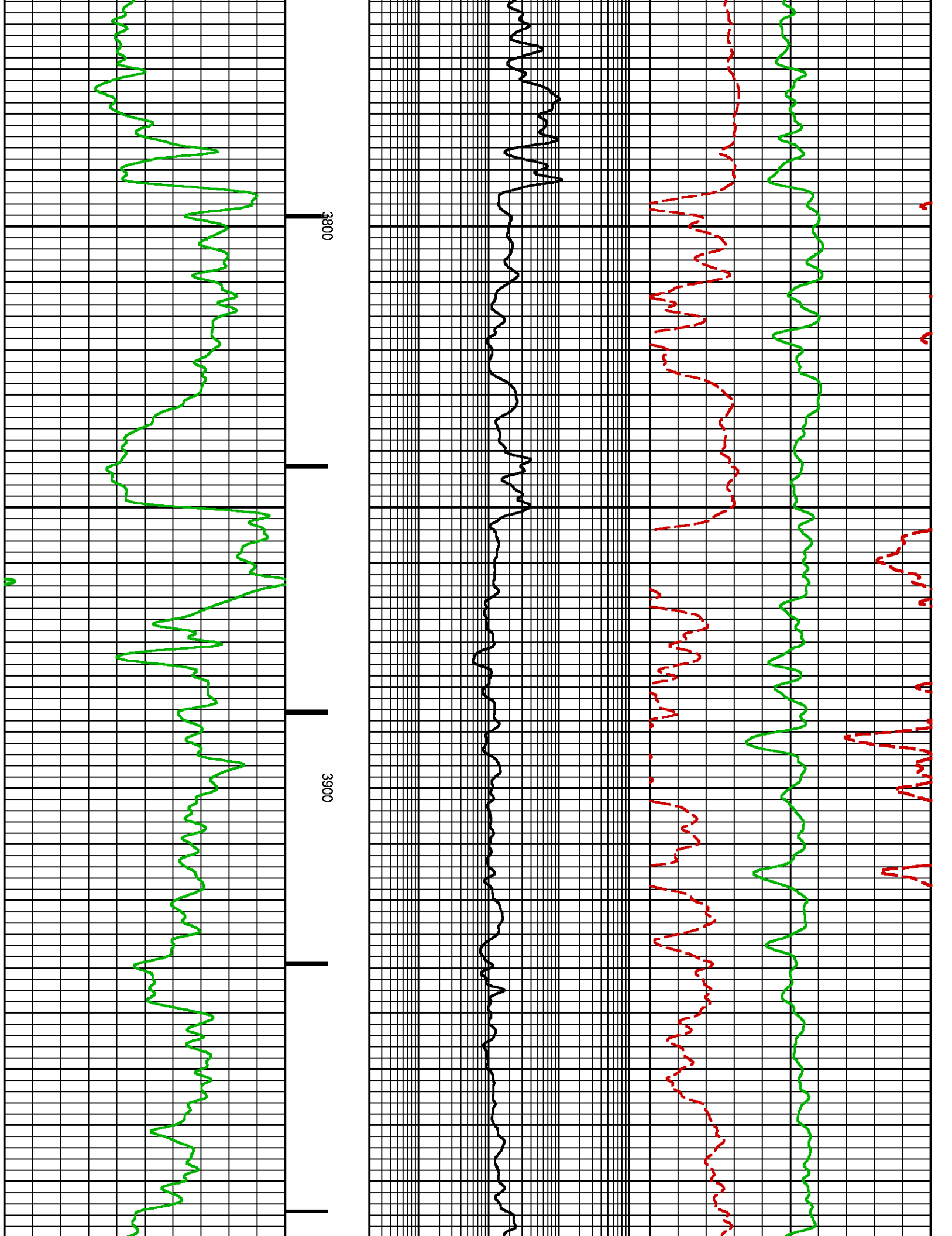


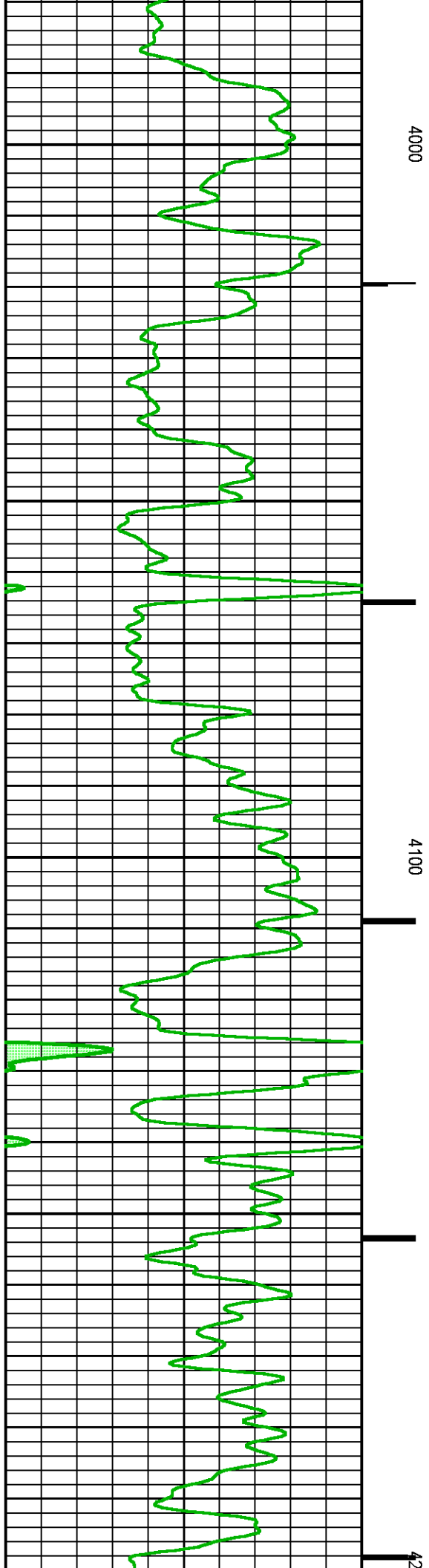
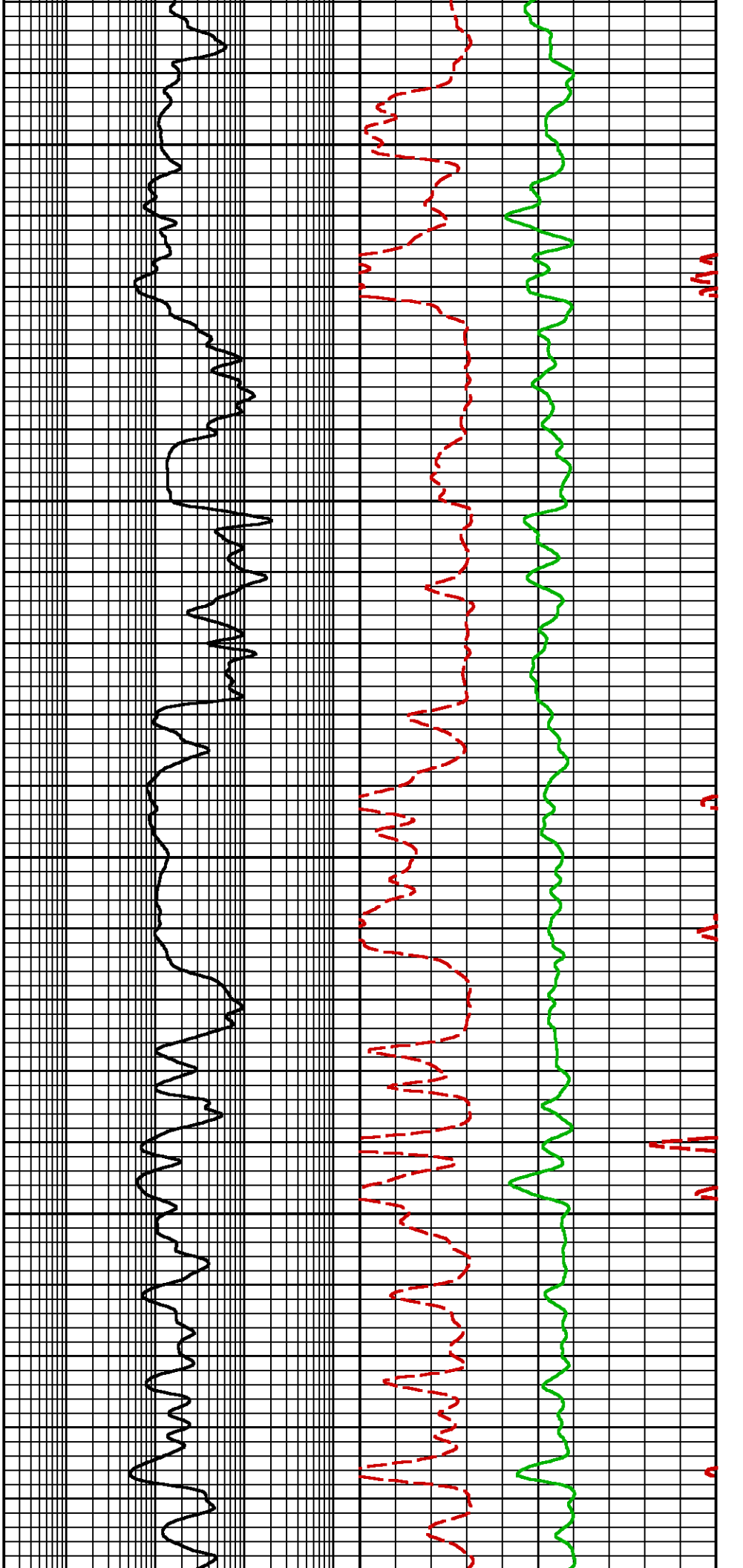


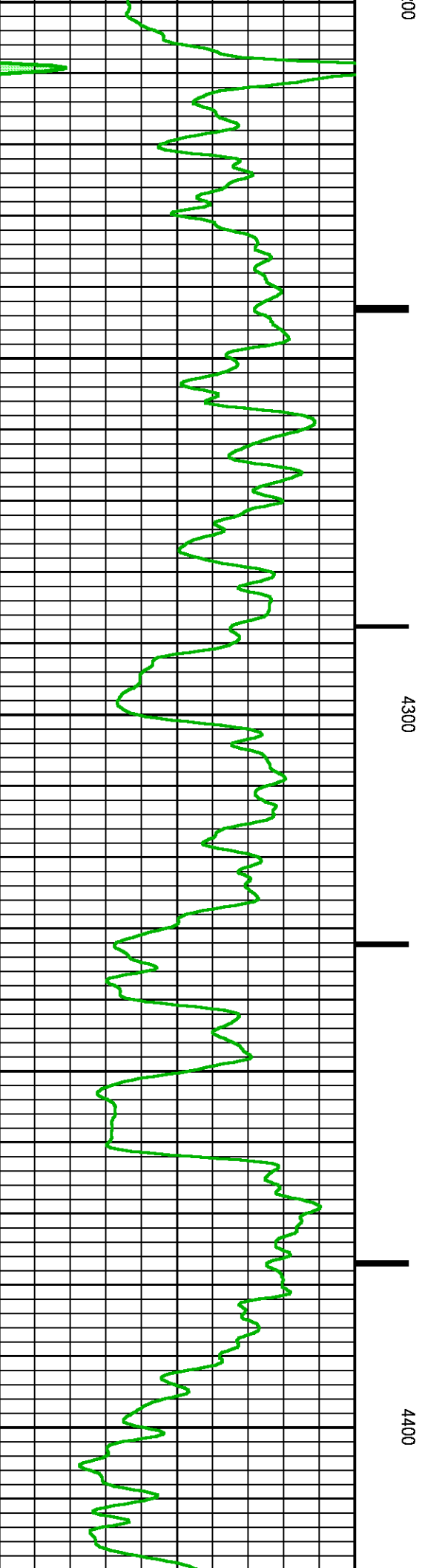
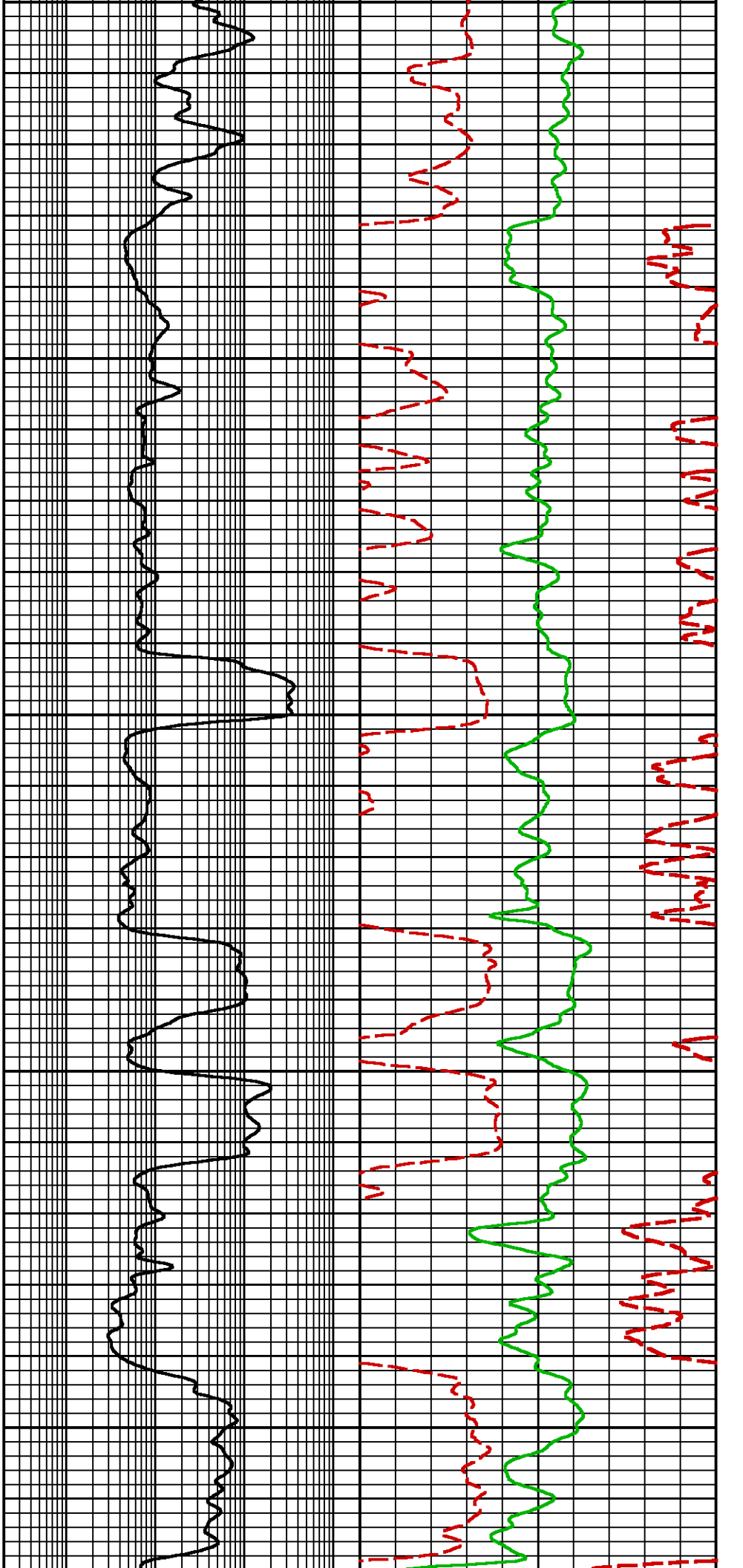


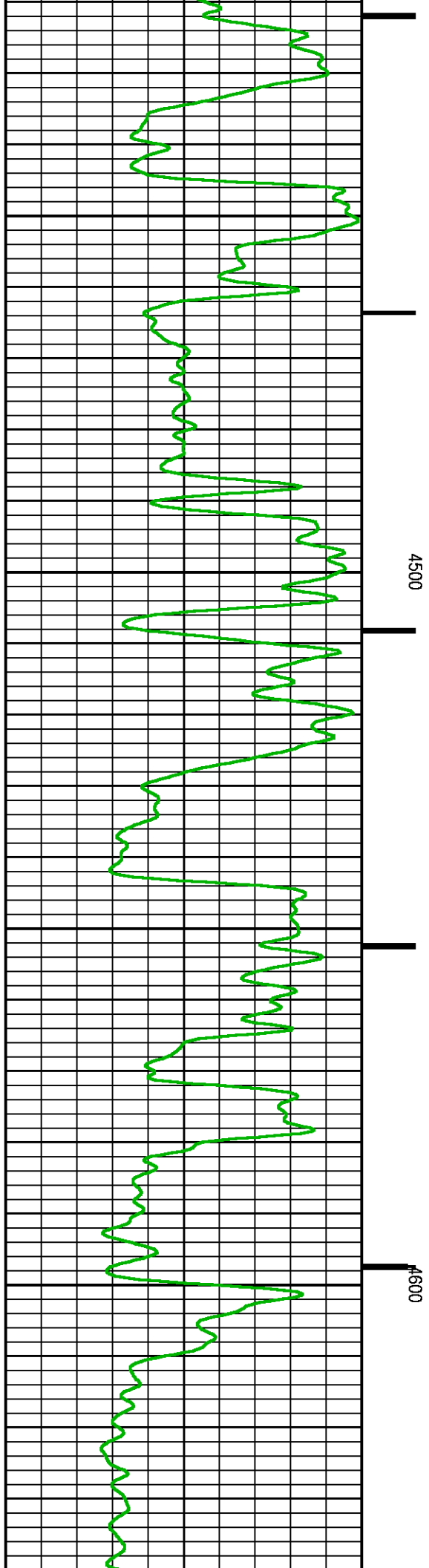
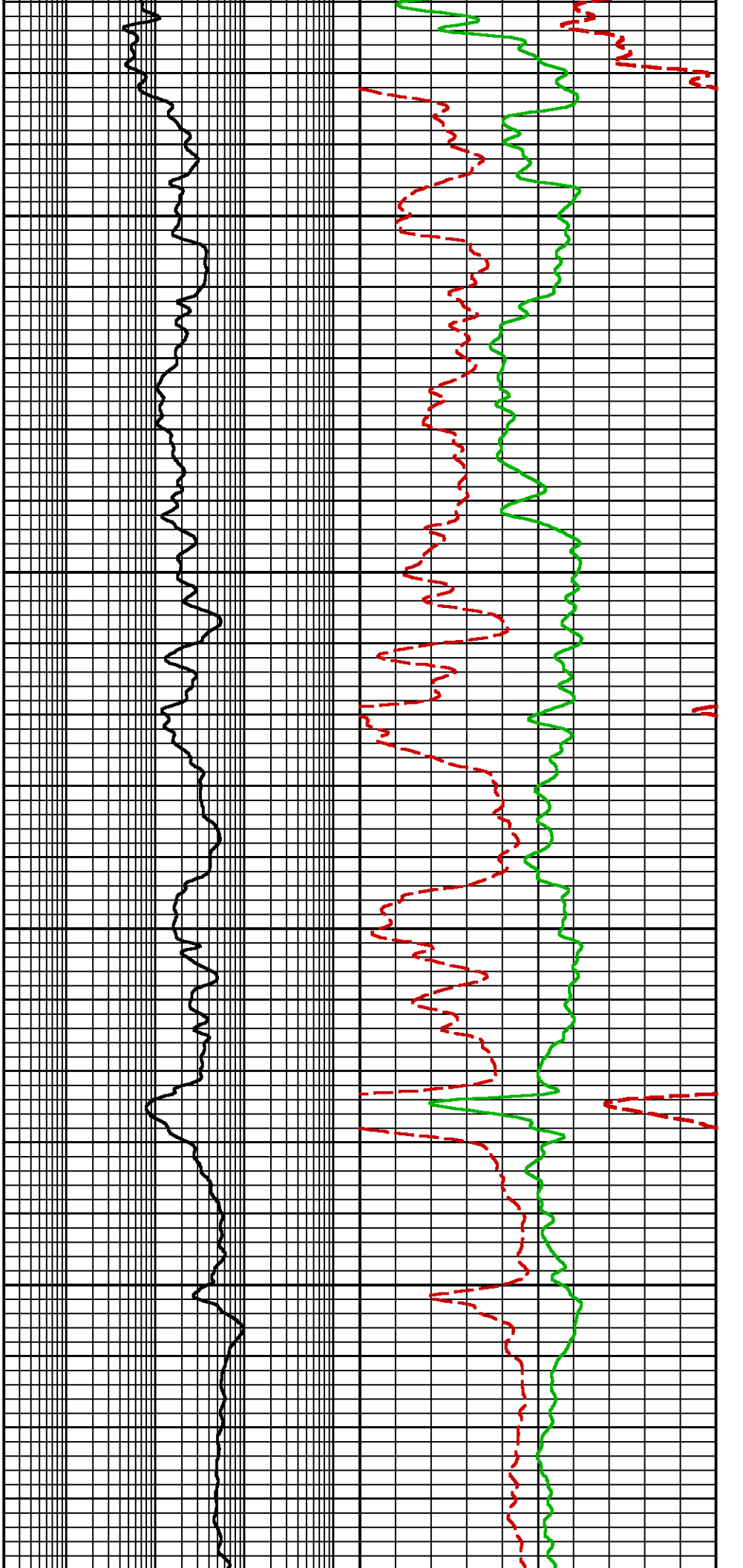


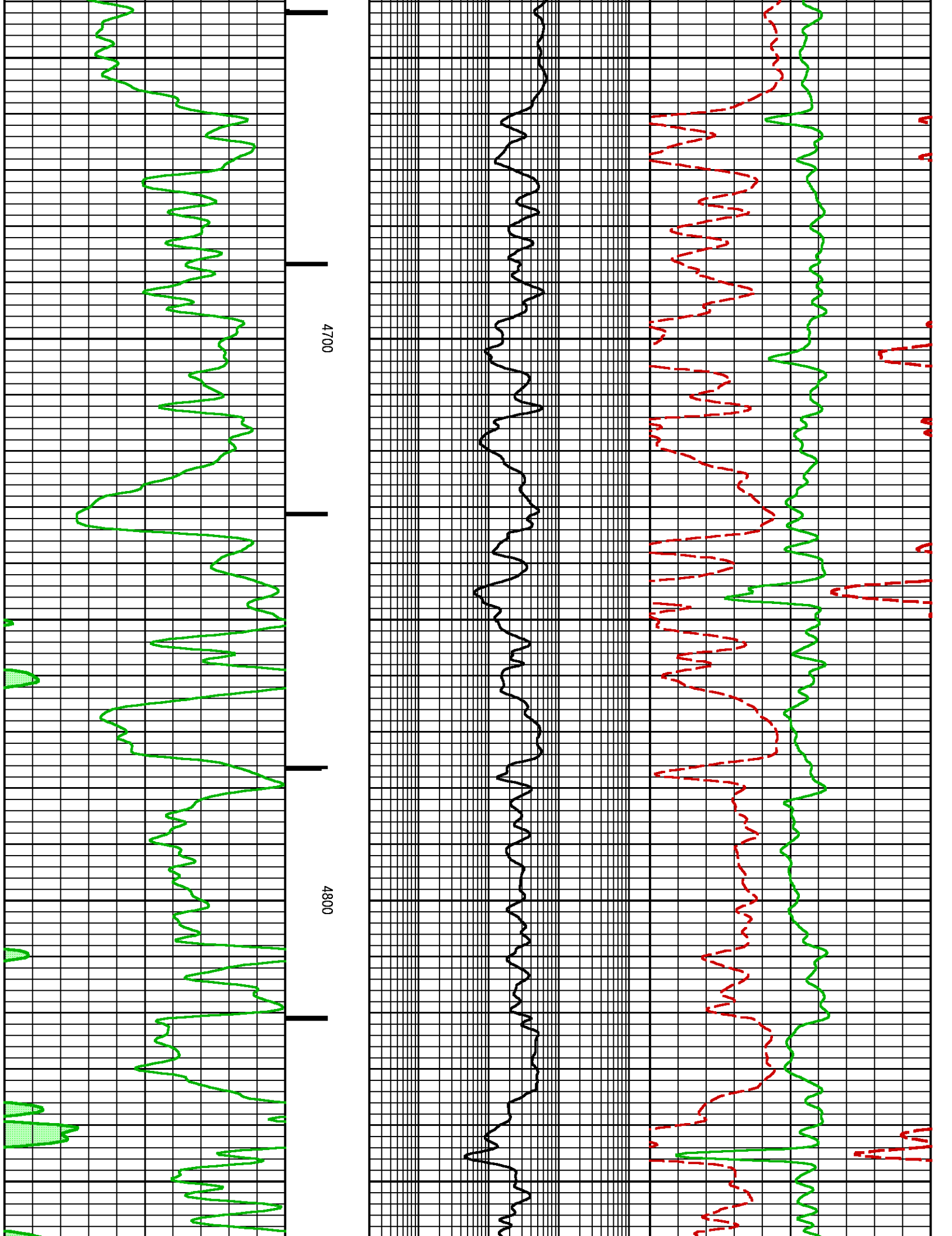


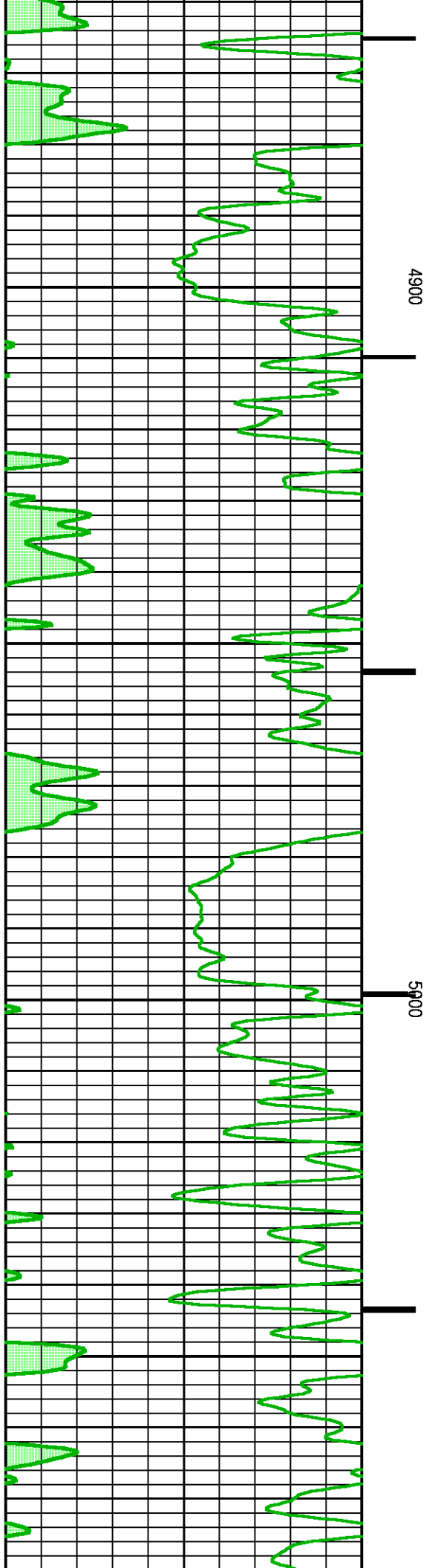
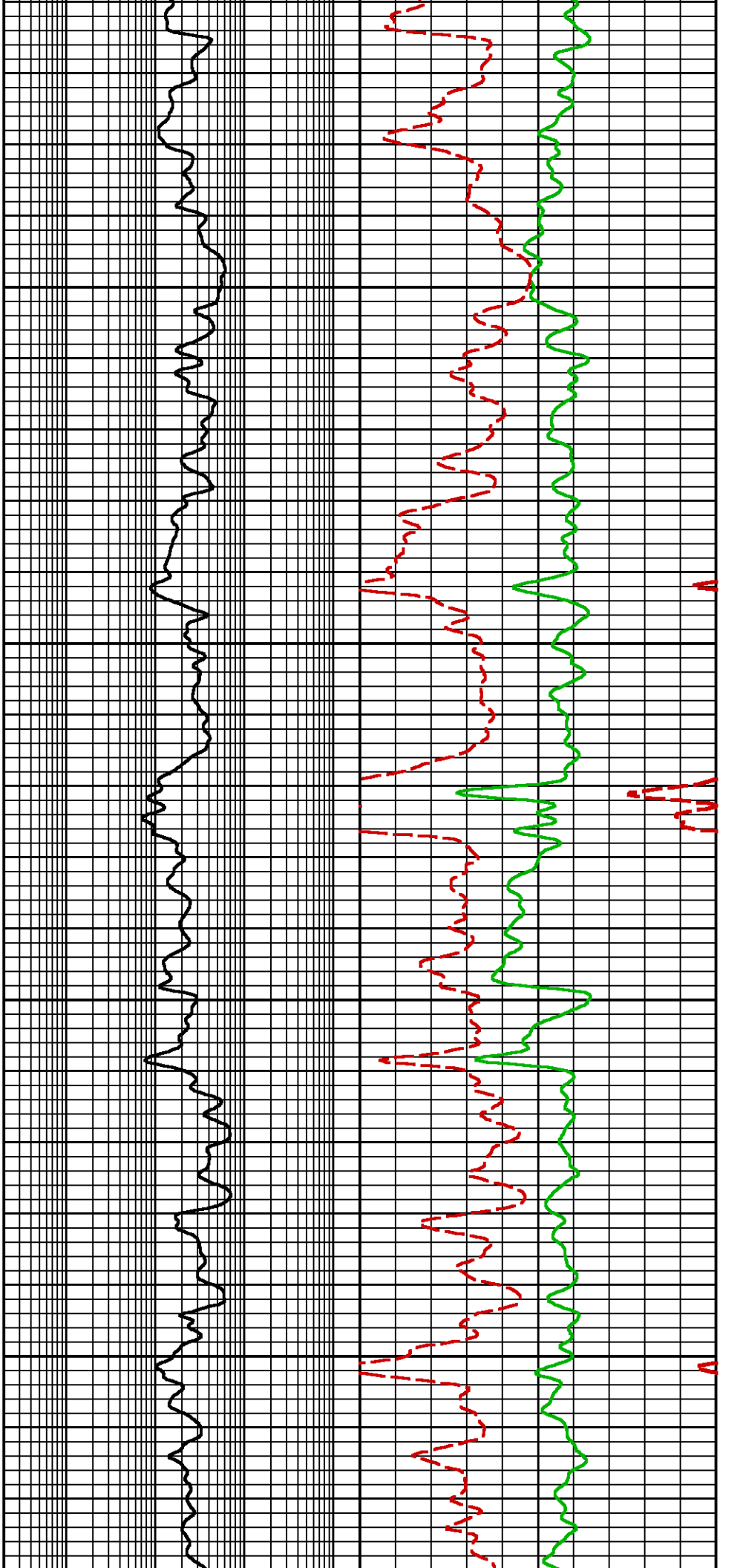


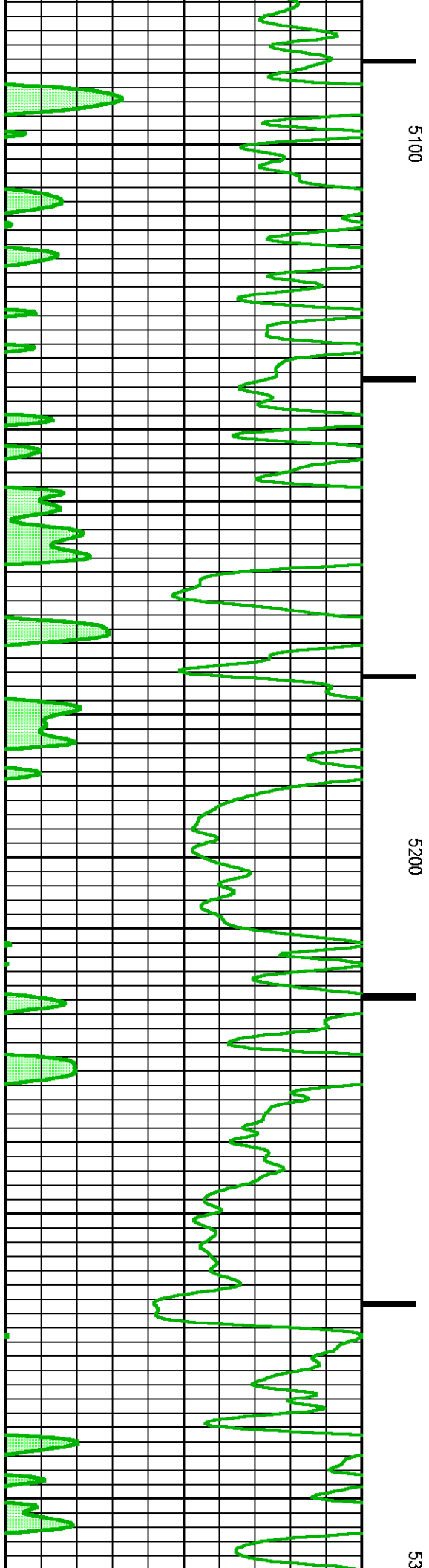
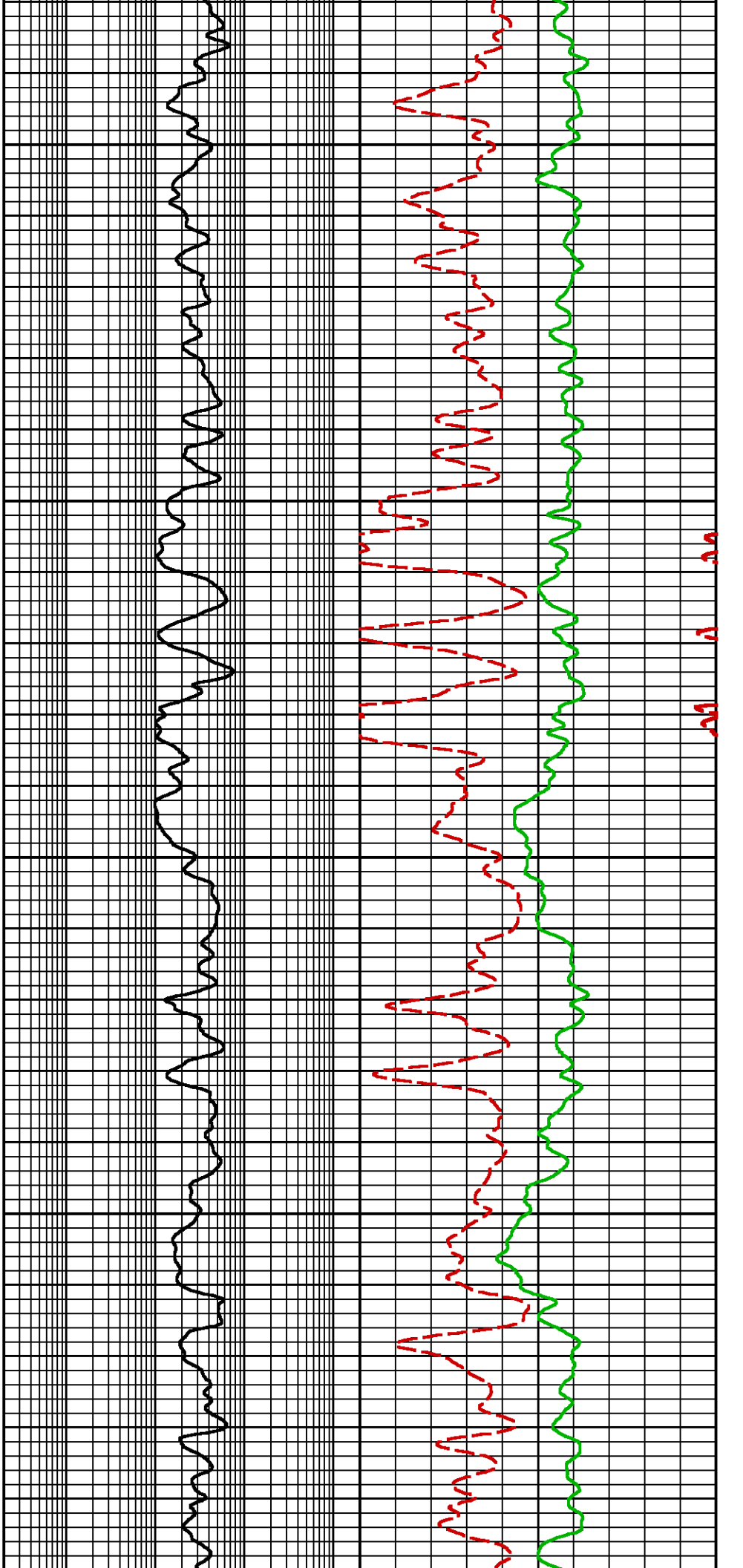


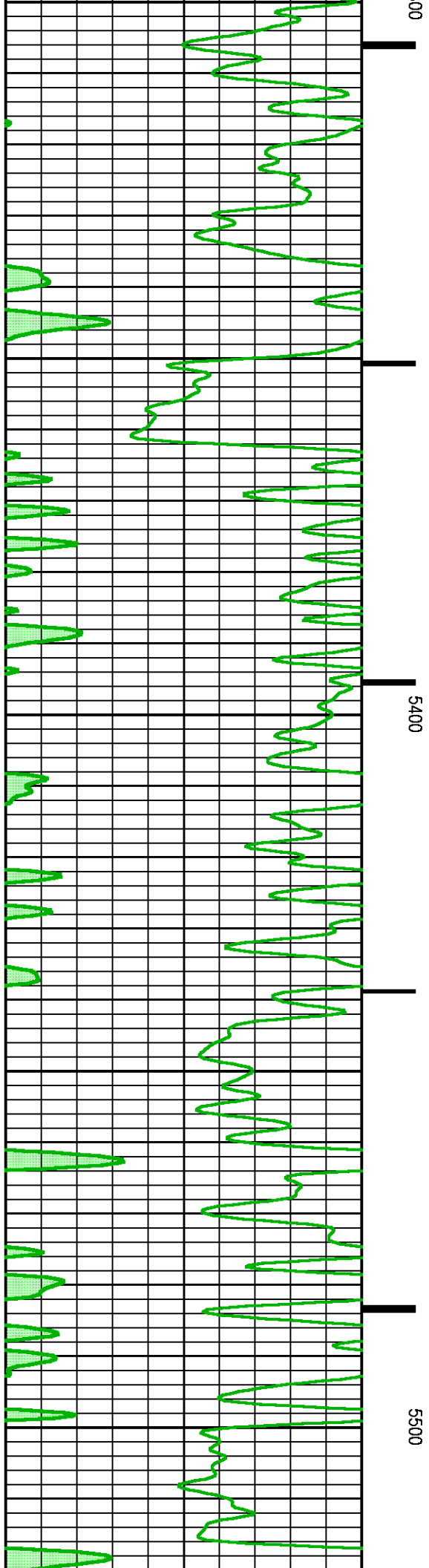
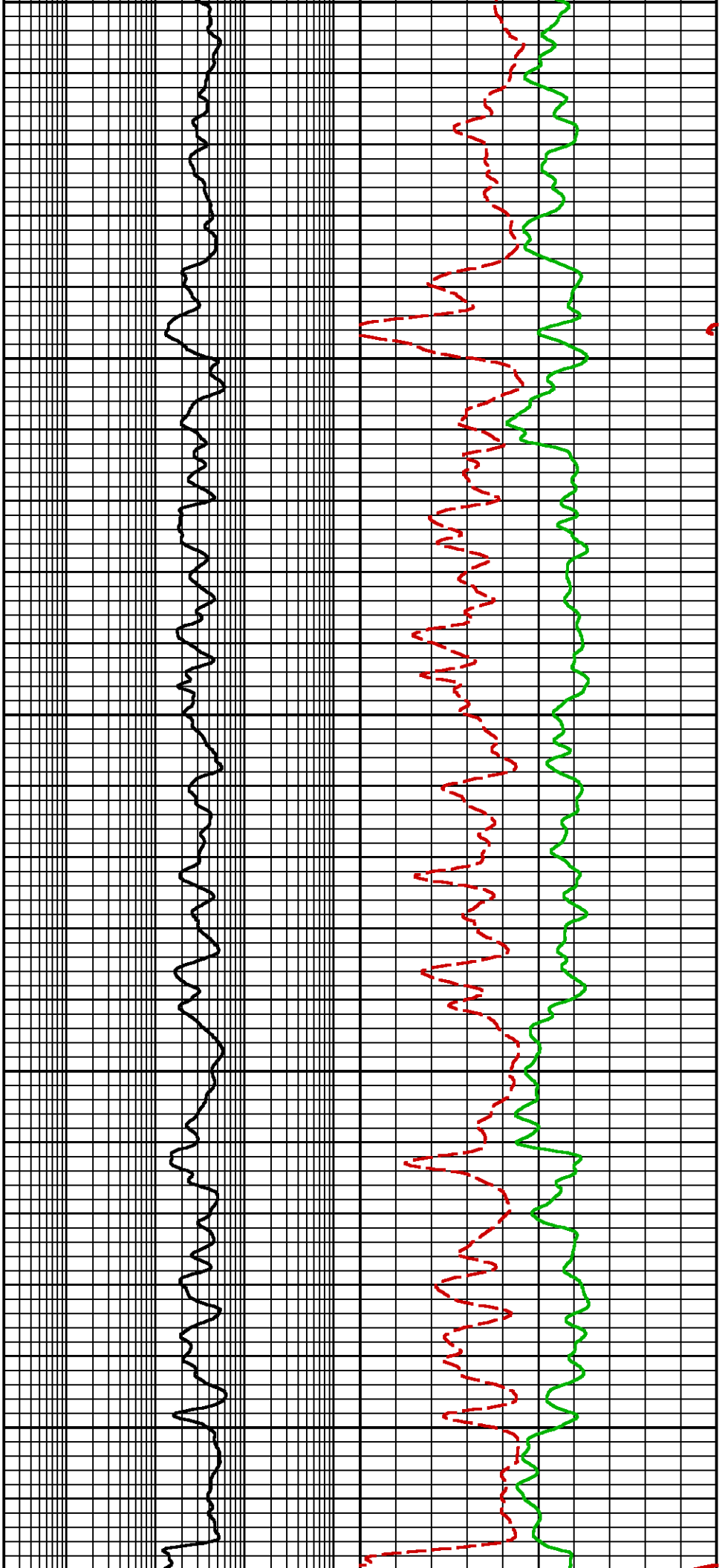


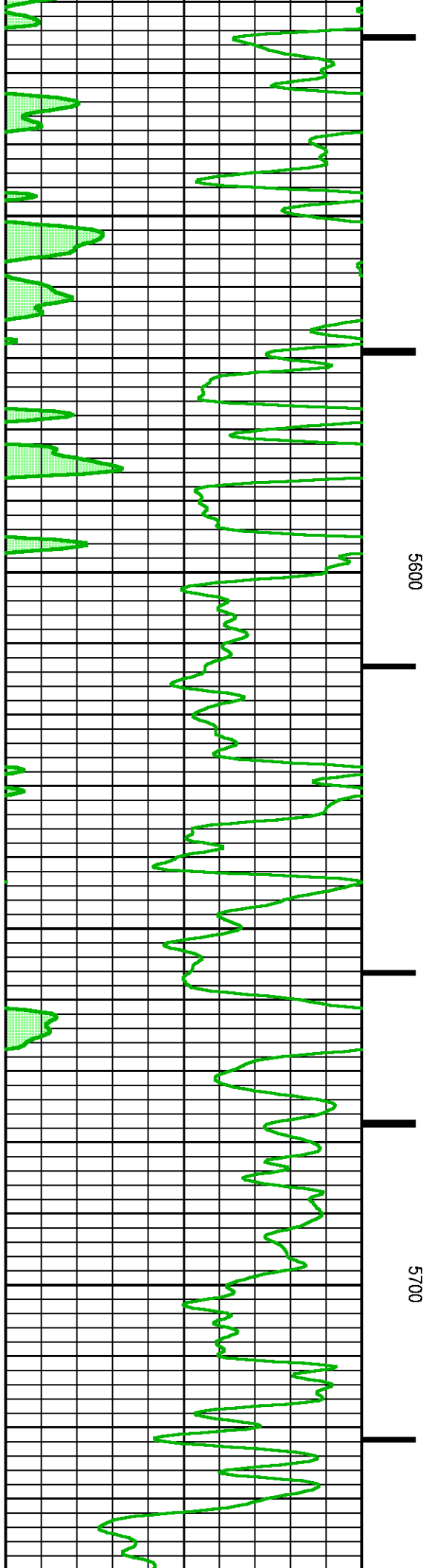
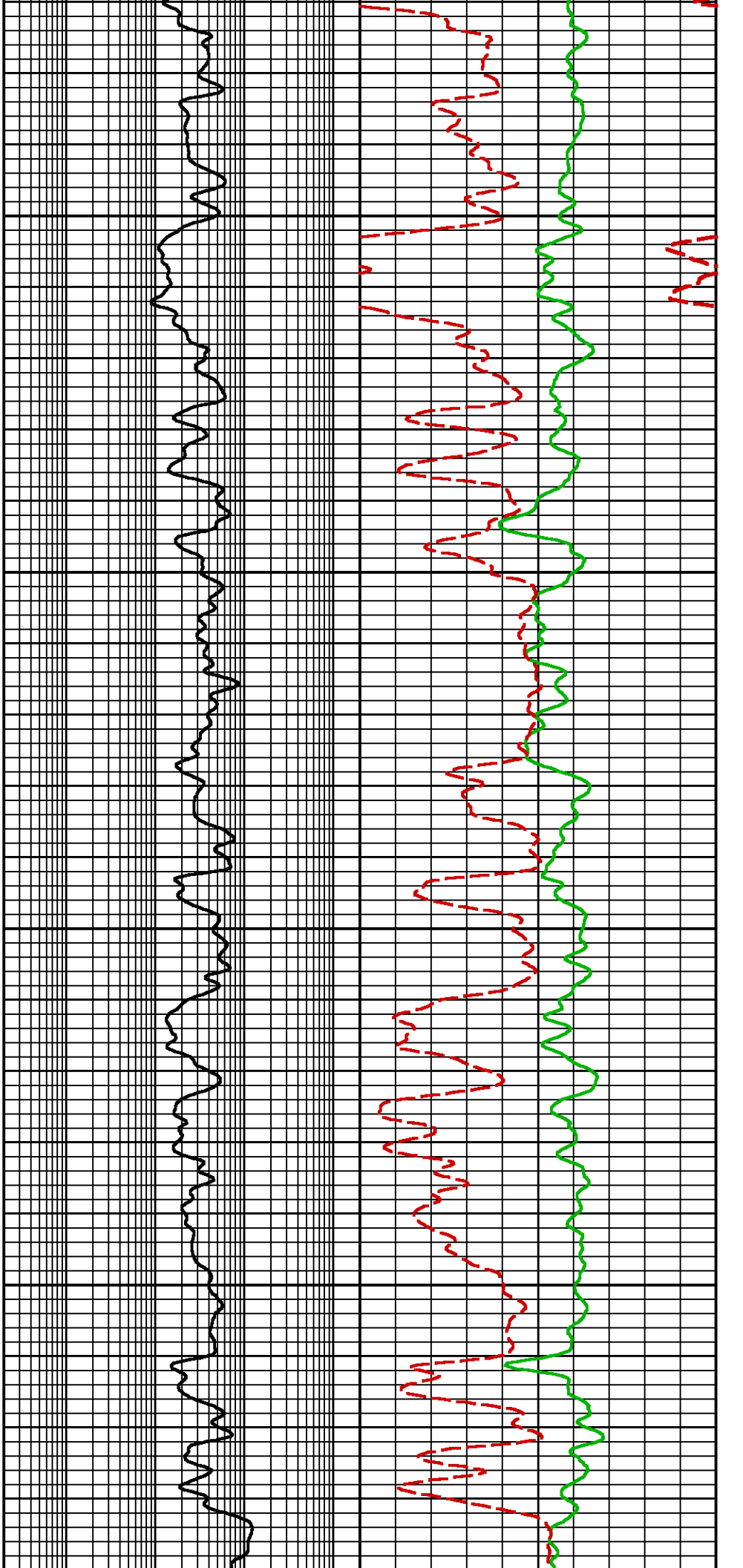


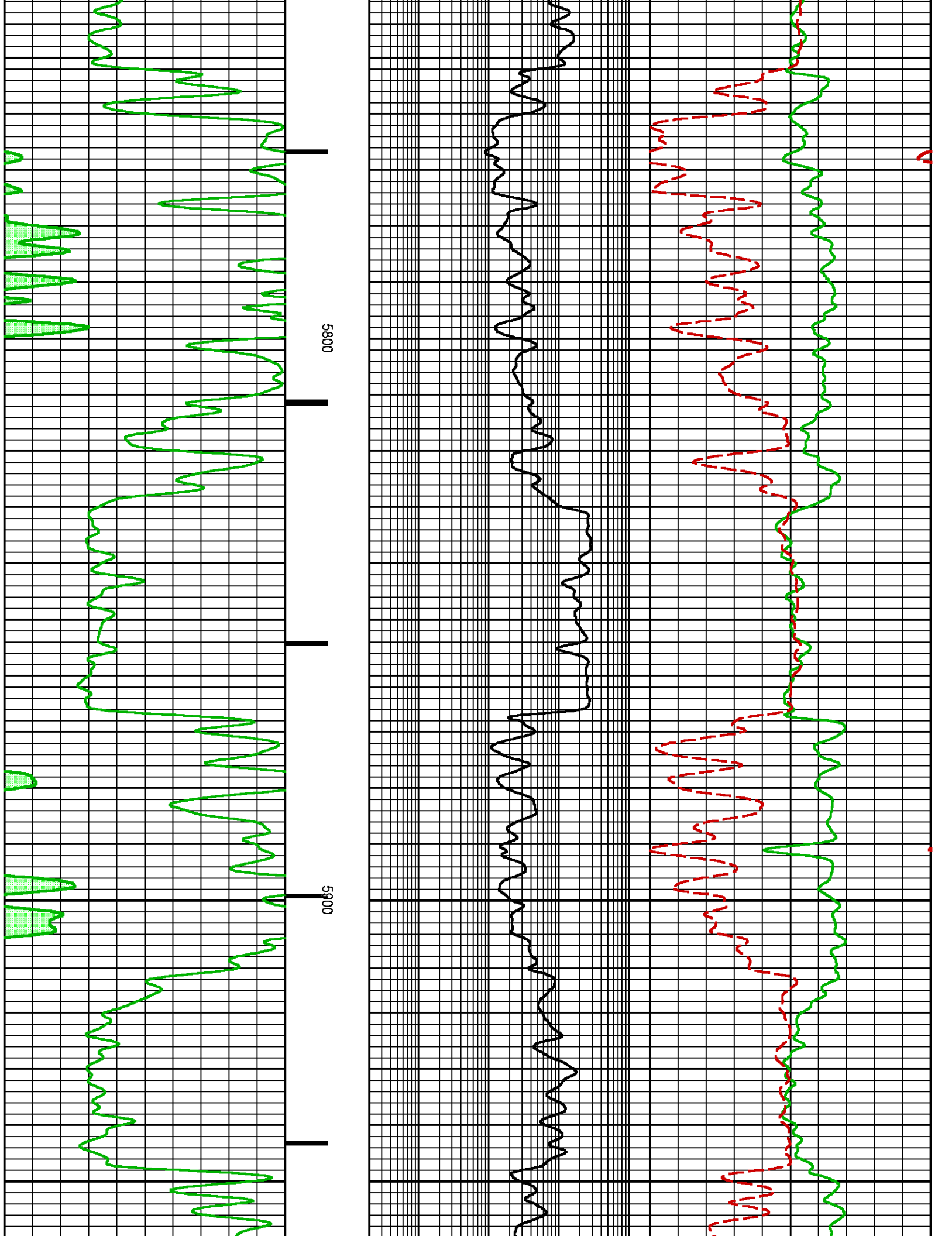


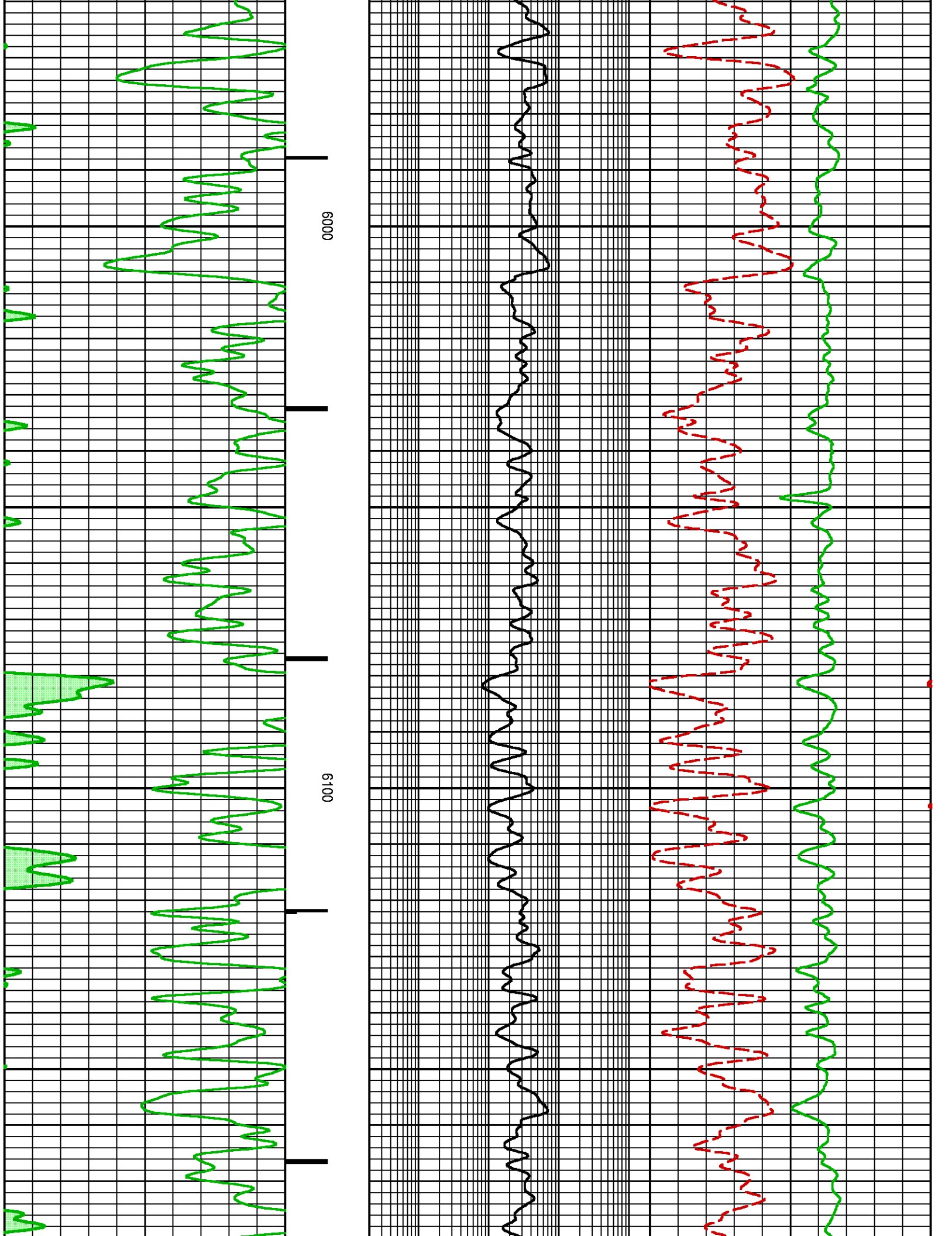


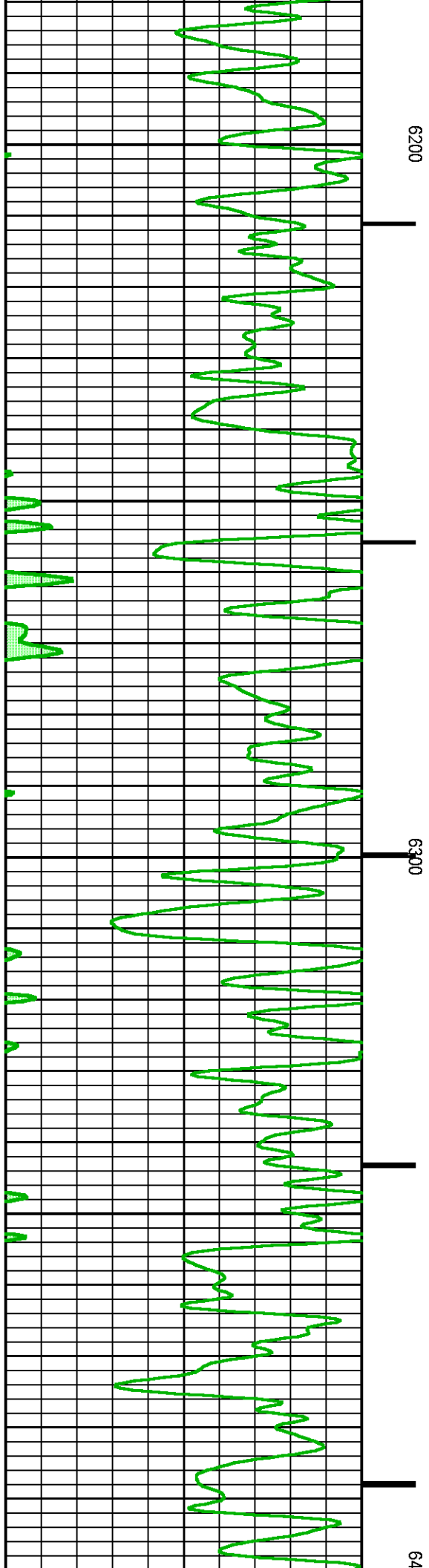
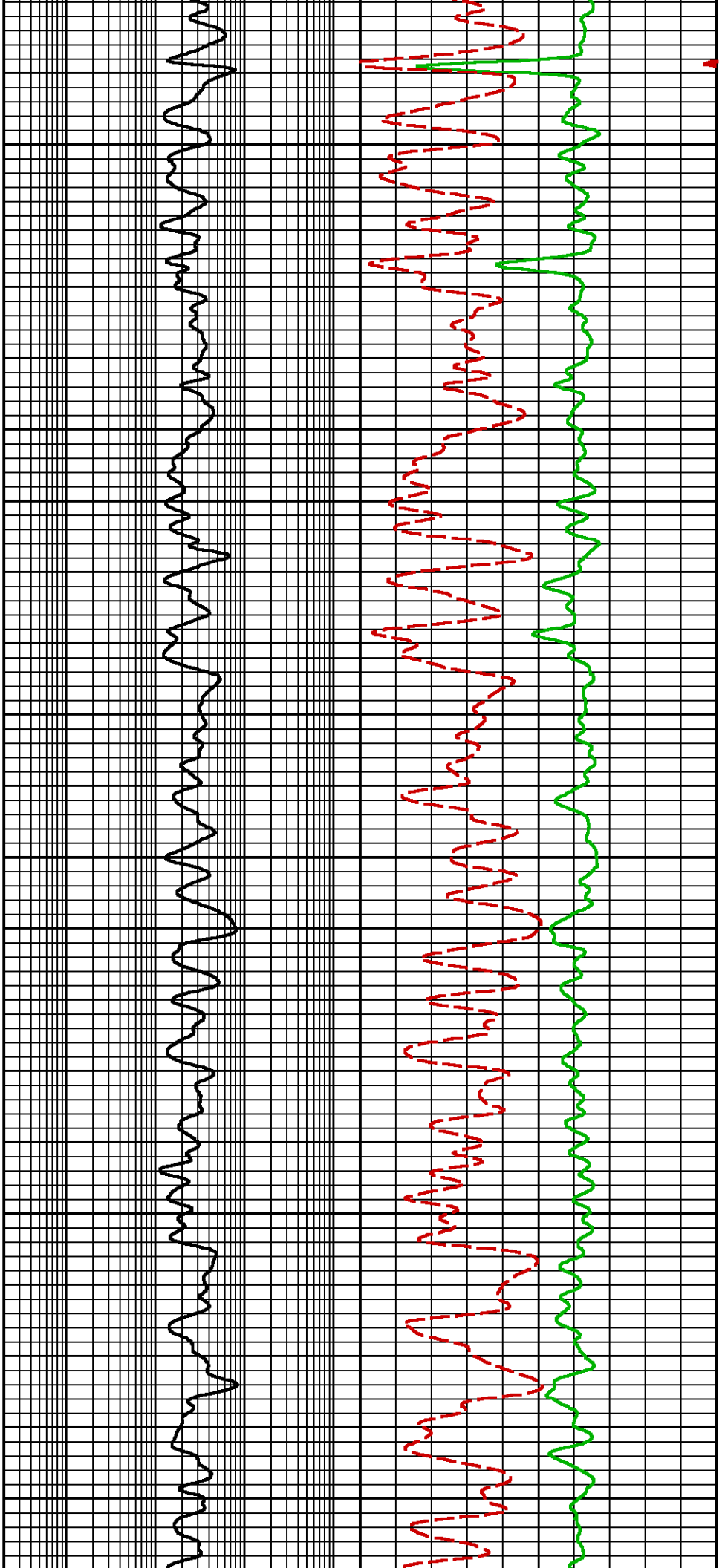


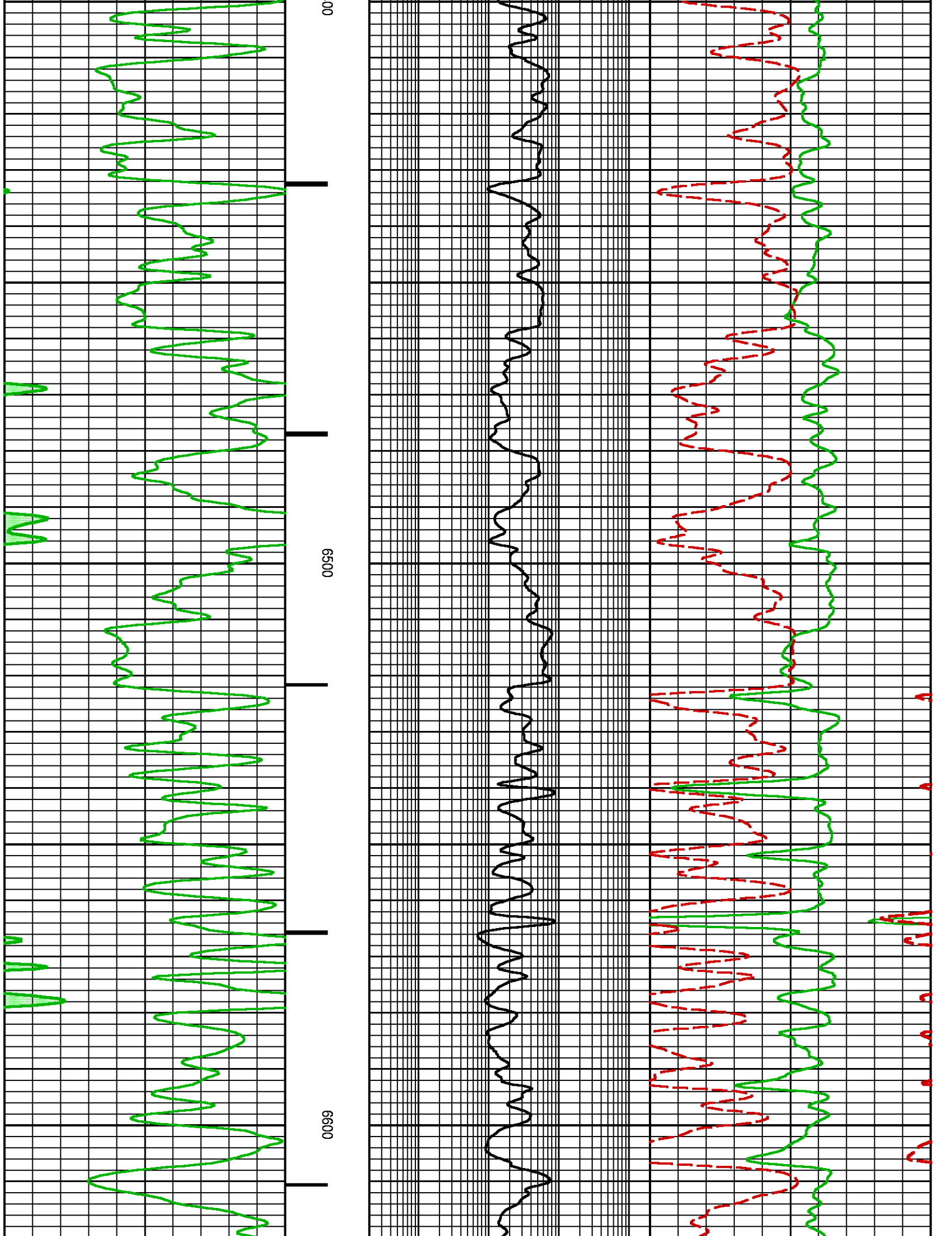


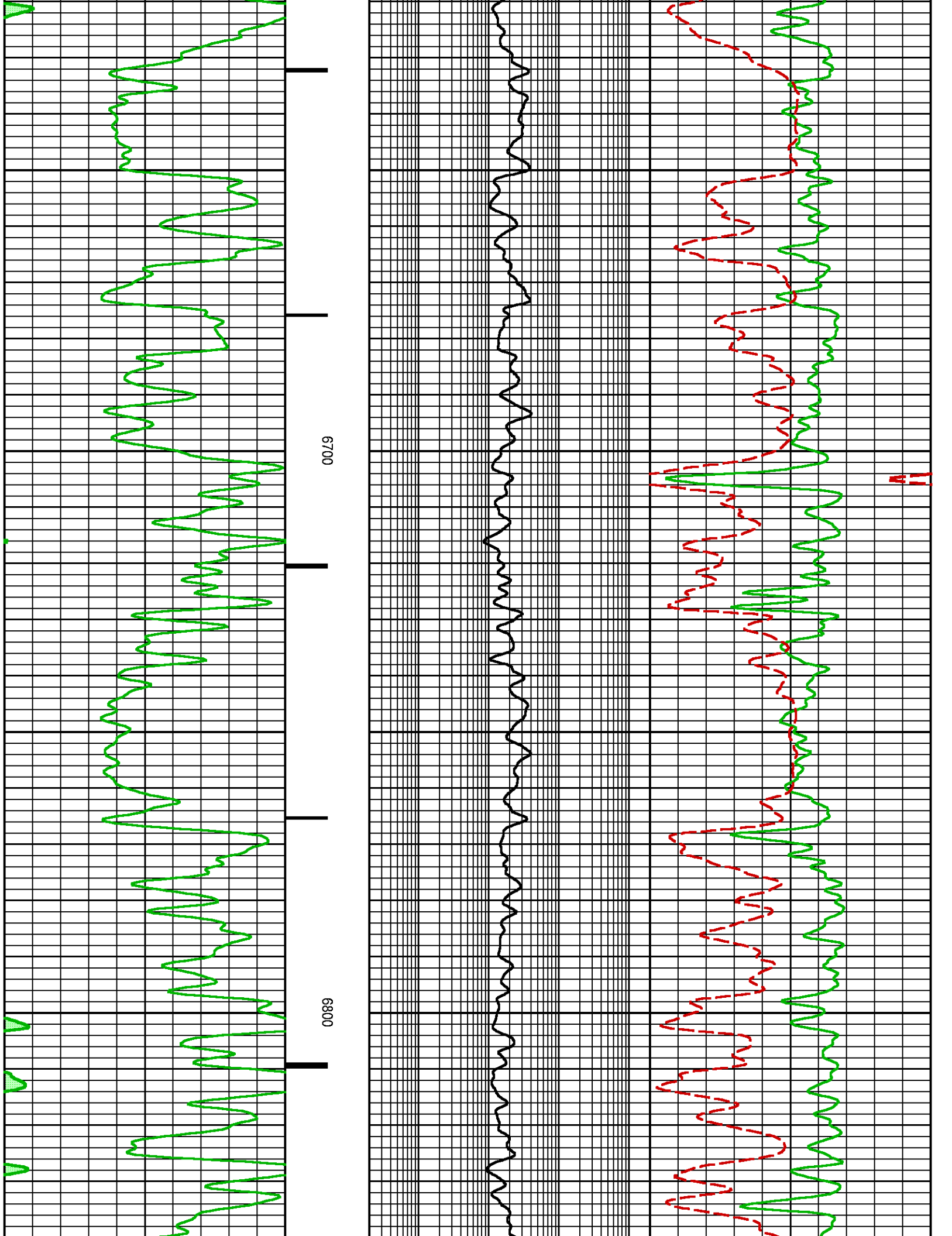


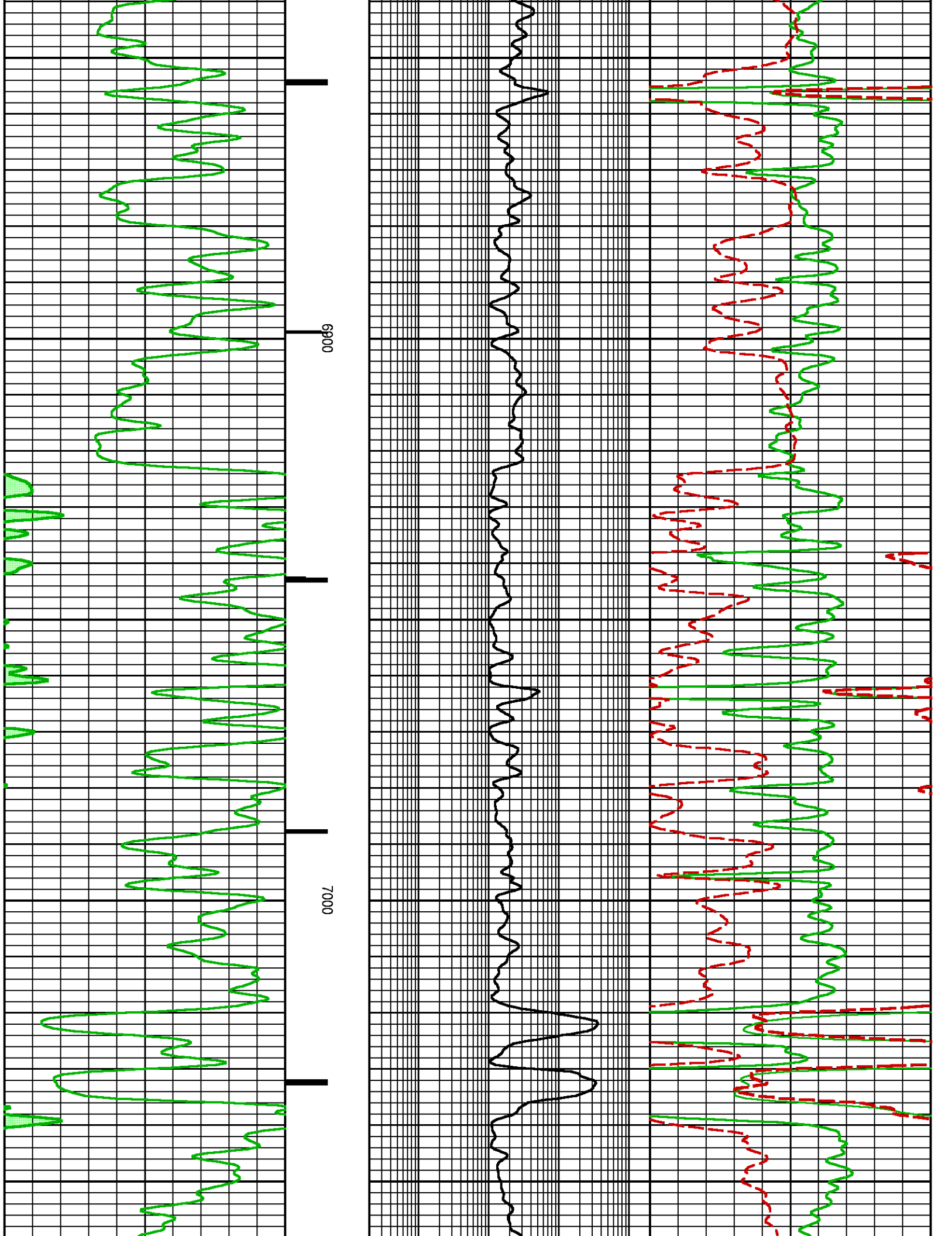


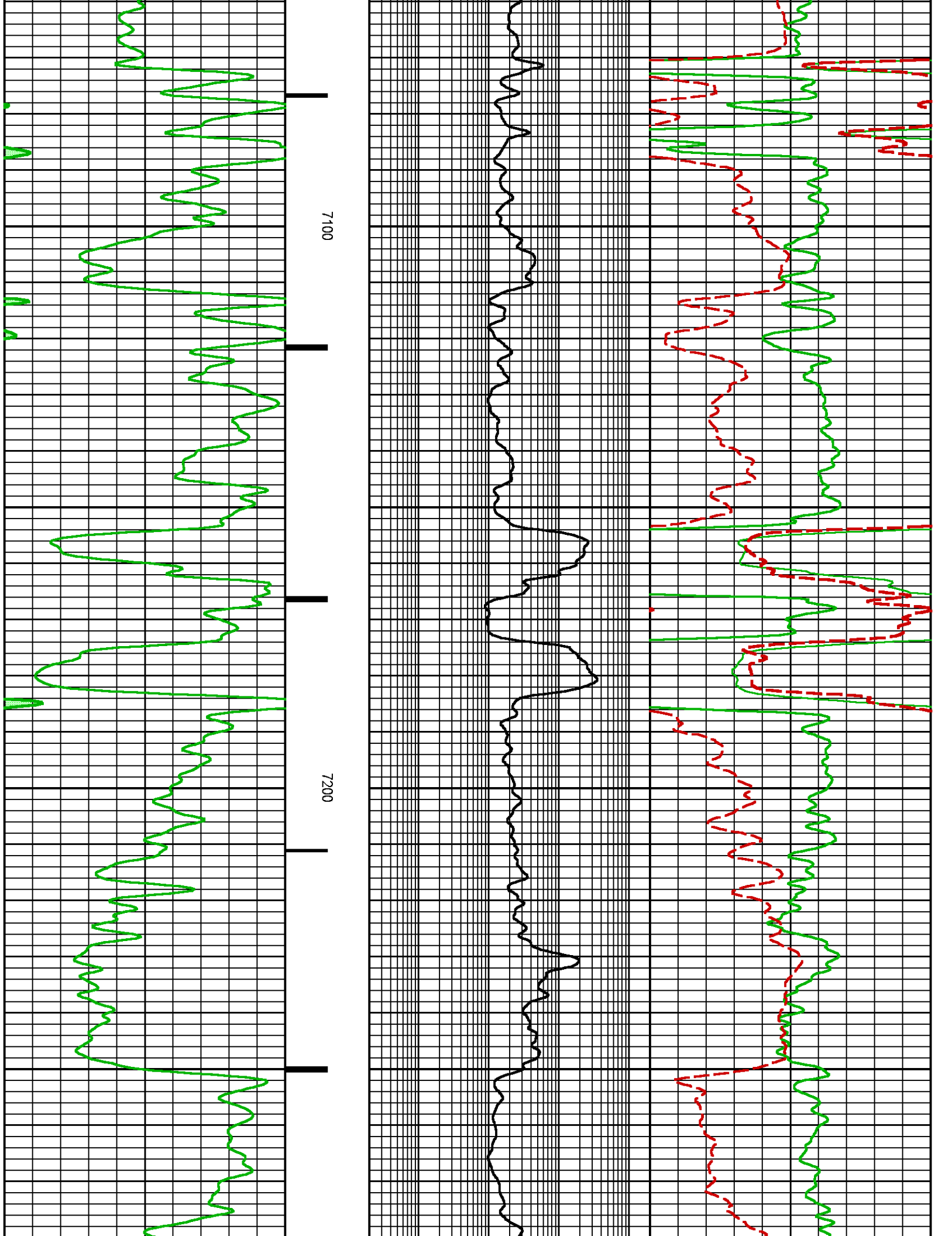


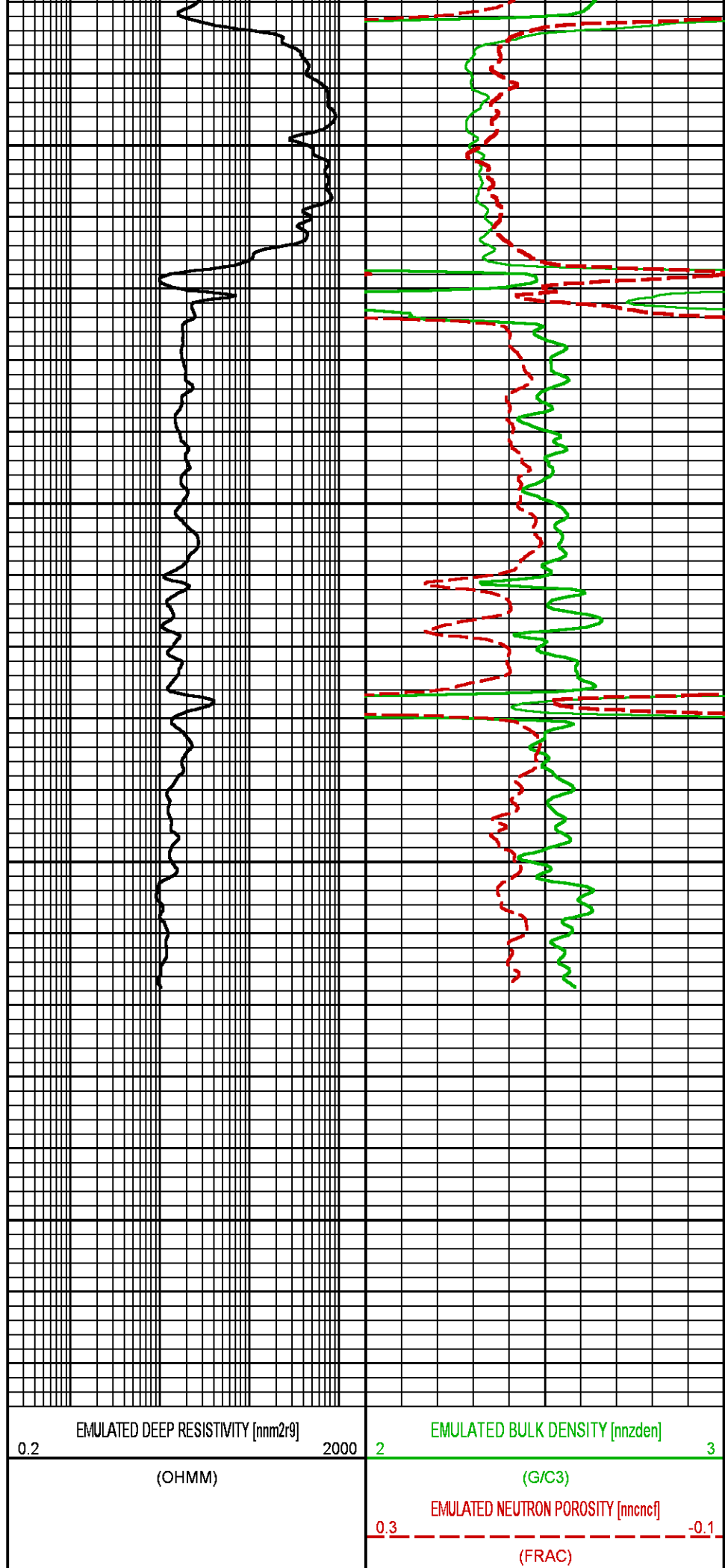
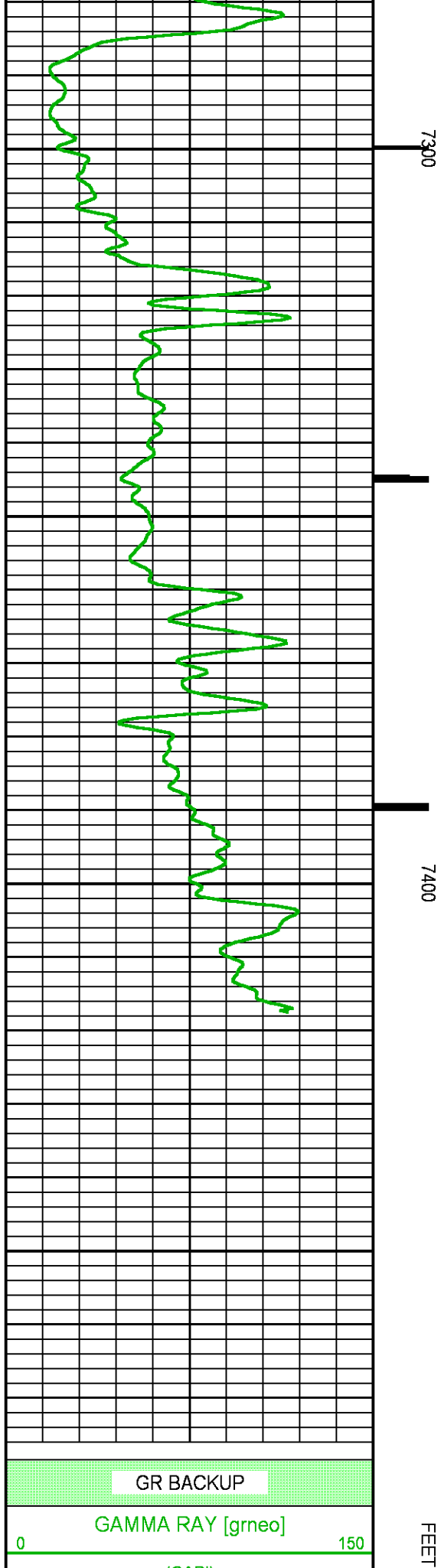












CCL



COMPANY LARAMIE ENERGY
WELL GUNDERSON 20-04W
FIELD VEGA
COUNTY MESA STATE COLORADO

FILE NO:
27652-01
API NO:
05077103370000

LOCATION:

SEE REMARKS SECTION

ELEVATIONS:

KB 7176.0 FT
DF 7175.0 FT
GL 7146.0 FT

SEC 20 TWP 9S RGE 93WDATE 21-JUL-2017Pulsed Neutron
Formation Evaluation