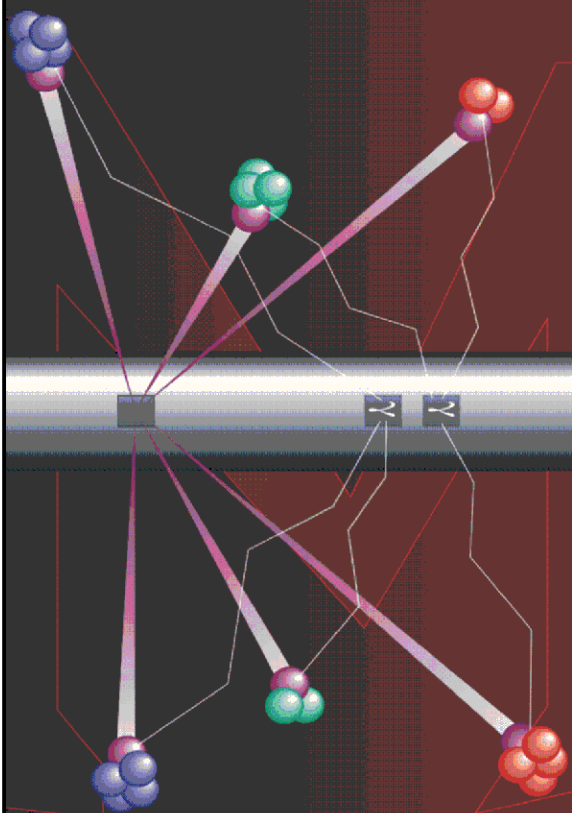




# Pulsed Neutron Formation Evaluation



## NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL NICHOLS 0994-24-10E

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 27-JUN-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>28-JUN-2018</u>
FIELD DATA	LOCATION: <u>GRAND JCT.</u>		ENGINEER: <u>T.NEWELL/US136066</u>	DATE: <u>27-JUN-2018</u>
FROM	TO			
<u>2162 FT</u>	<u>8123 FT</u>			

### REMARKS

LOCATION:  
SHL: 2257' FNL & 2797' FWL  
BHL: 2281' FNL & 1454' 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

DATA BELOW 7650' DON'T HAVE CORRESPONDING INTERVAL ON TRAINING WELL  
AND THEREFORE COULD BE AFFECTED.

ANALYST: ALEXANDR KOTOV

## NEO RESULTS FOR NICHOLS 0994-24-10E (G-SAND)

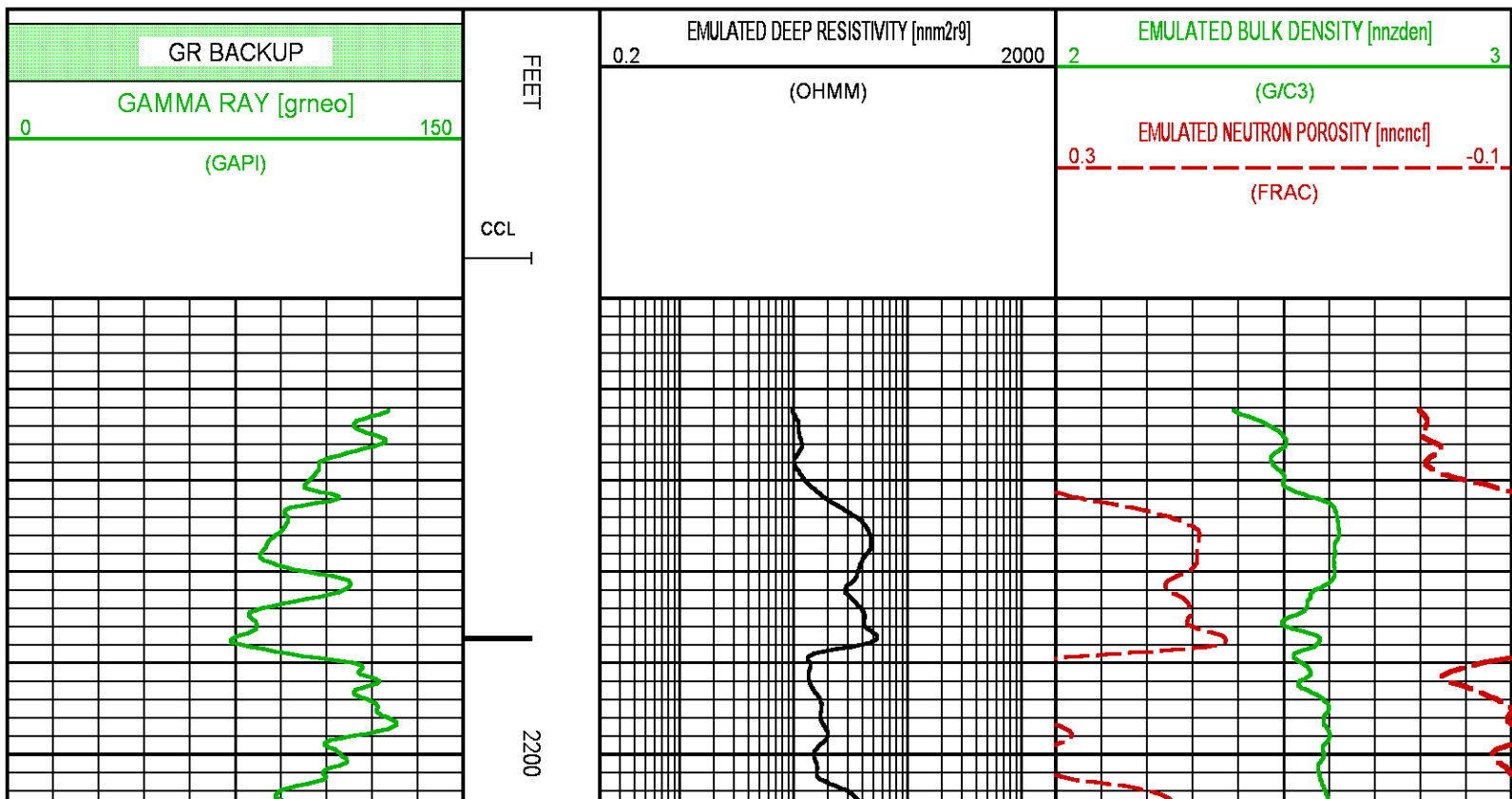
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

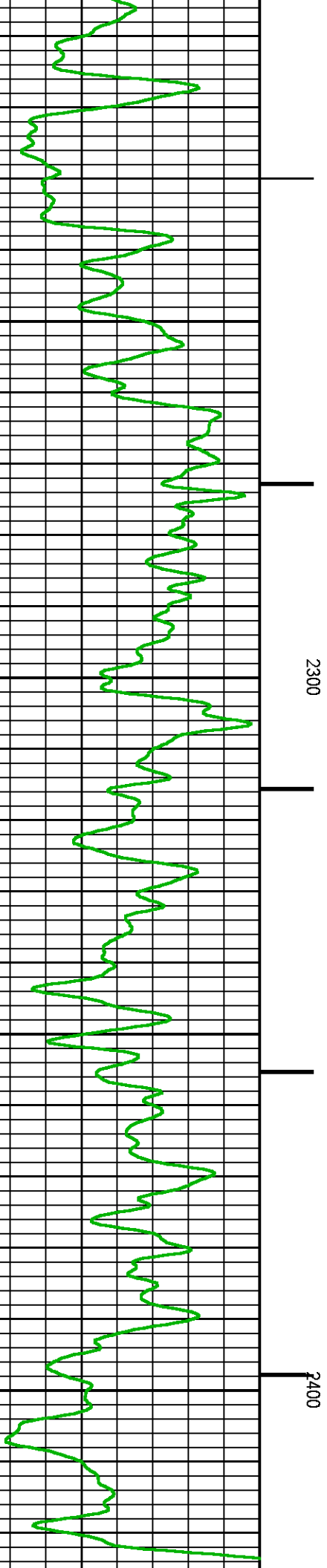
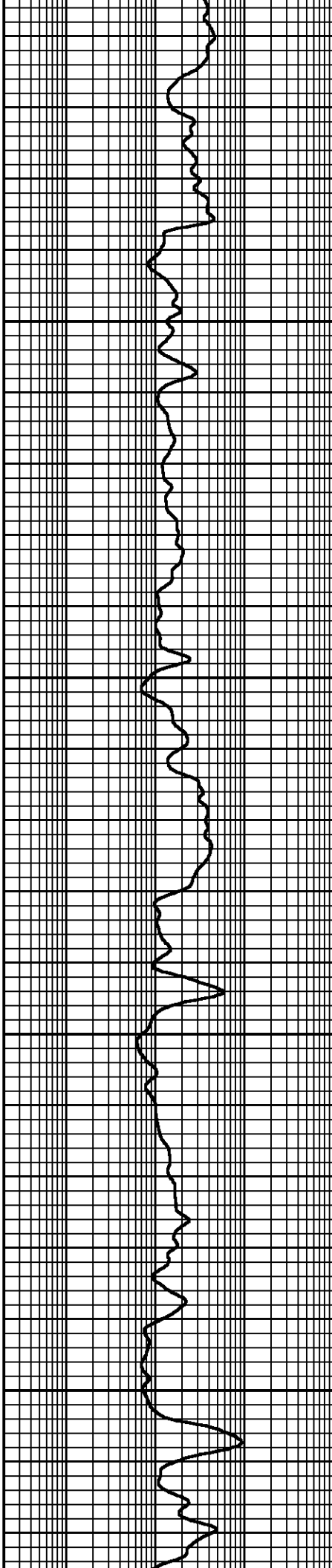
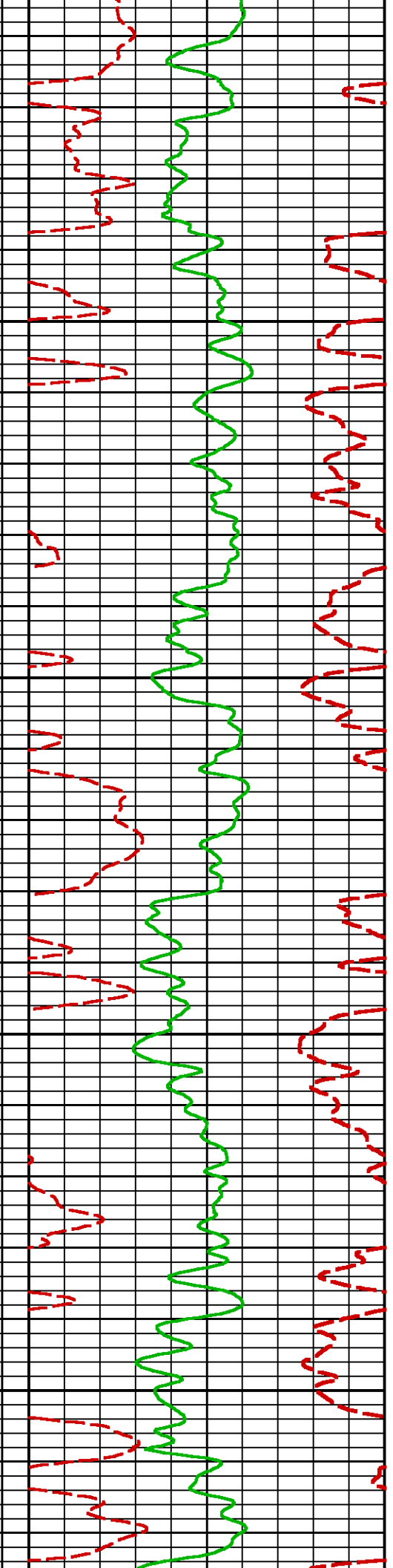
Plotted: Thu Jun 28 14:06:40 2018

### 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				

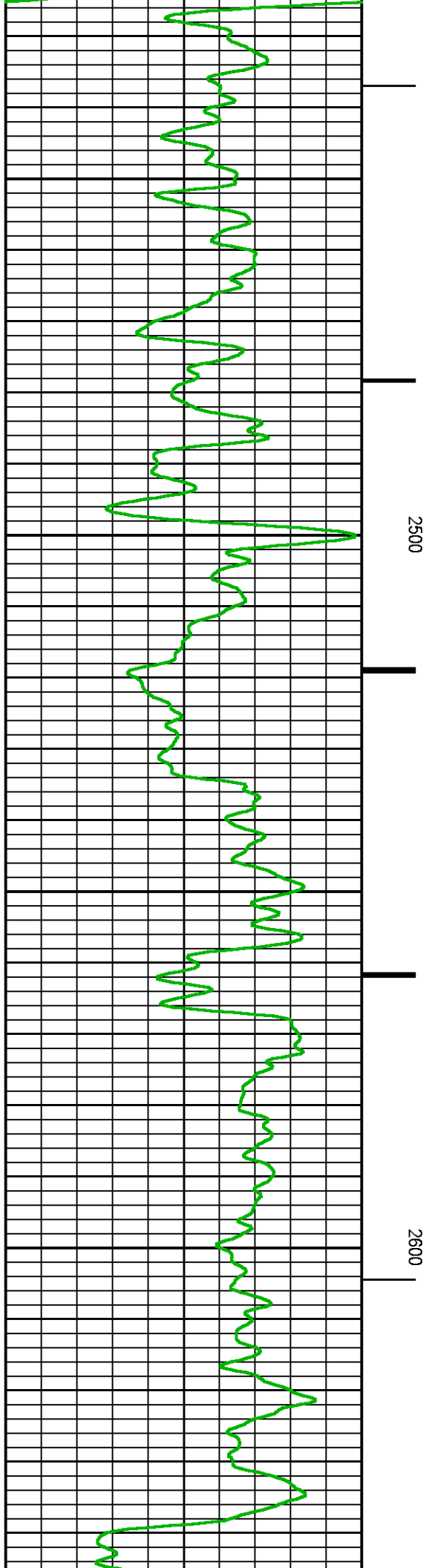
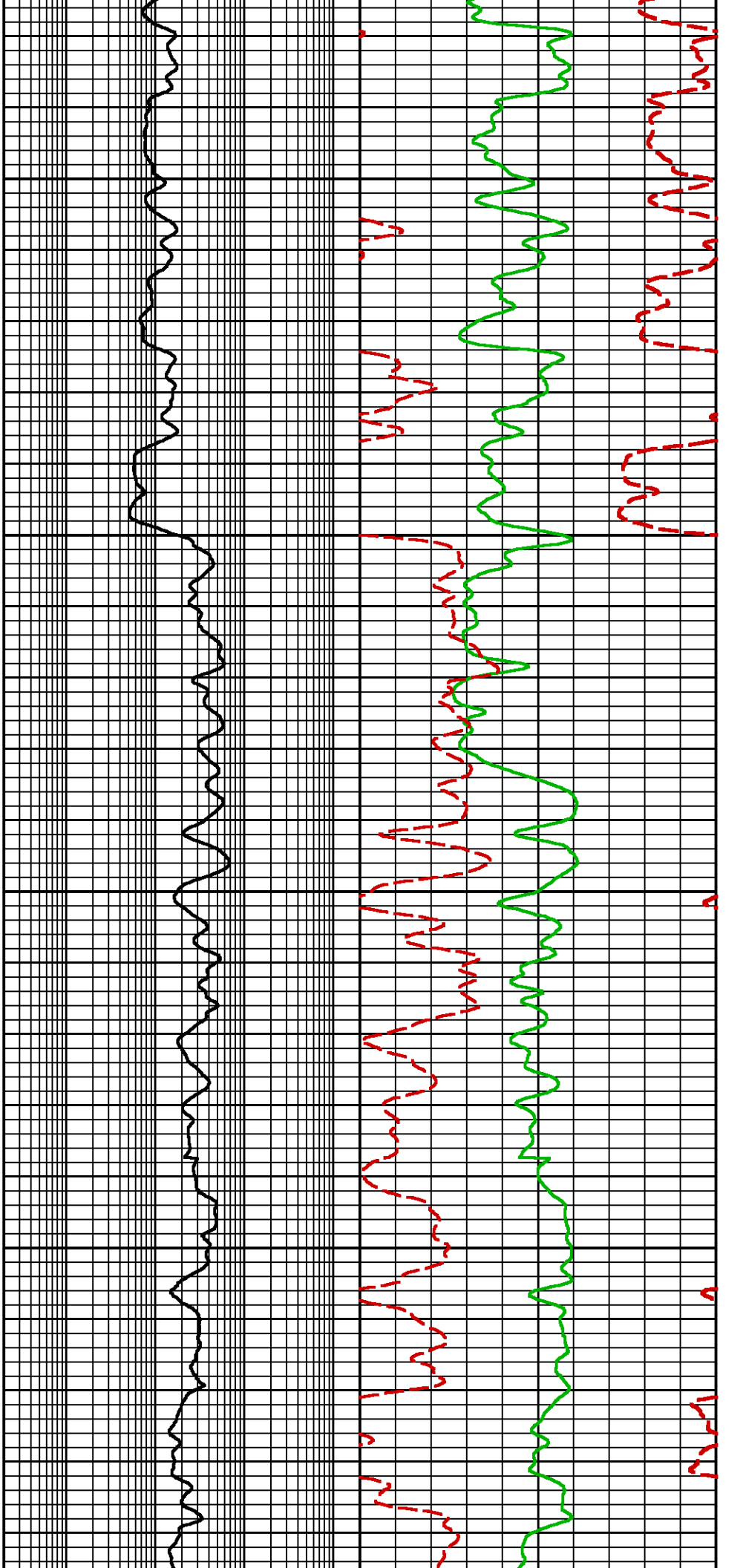
Project : NA  
User : kotoale  
Presentation : BHI1F65XZ1:d:\Ape\_Projects\LARAMIE\_NICHOLS\_0994\_24\_10E\_NEO\  
NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
Plot Interval : 2150 - 2817 Feet  
Data File 1 : F1 : BHI1F65XZ1:D:\Ape\_Projects\LARAMIE\_NICHOLS\_0994\_24\_10E\_NEO\Merged\_Set\_Final.xtf  
Created On : N/A  
Company : LARAMIE ENERGY LLC  
Well : NICHOLS 0994-24-10E  
Field : VEGA  
File Interval : 2162.25 - 8123.25 Feet  
OCT : NA

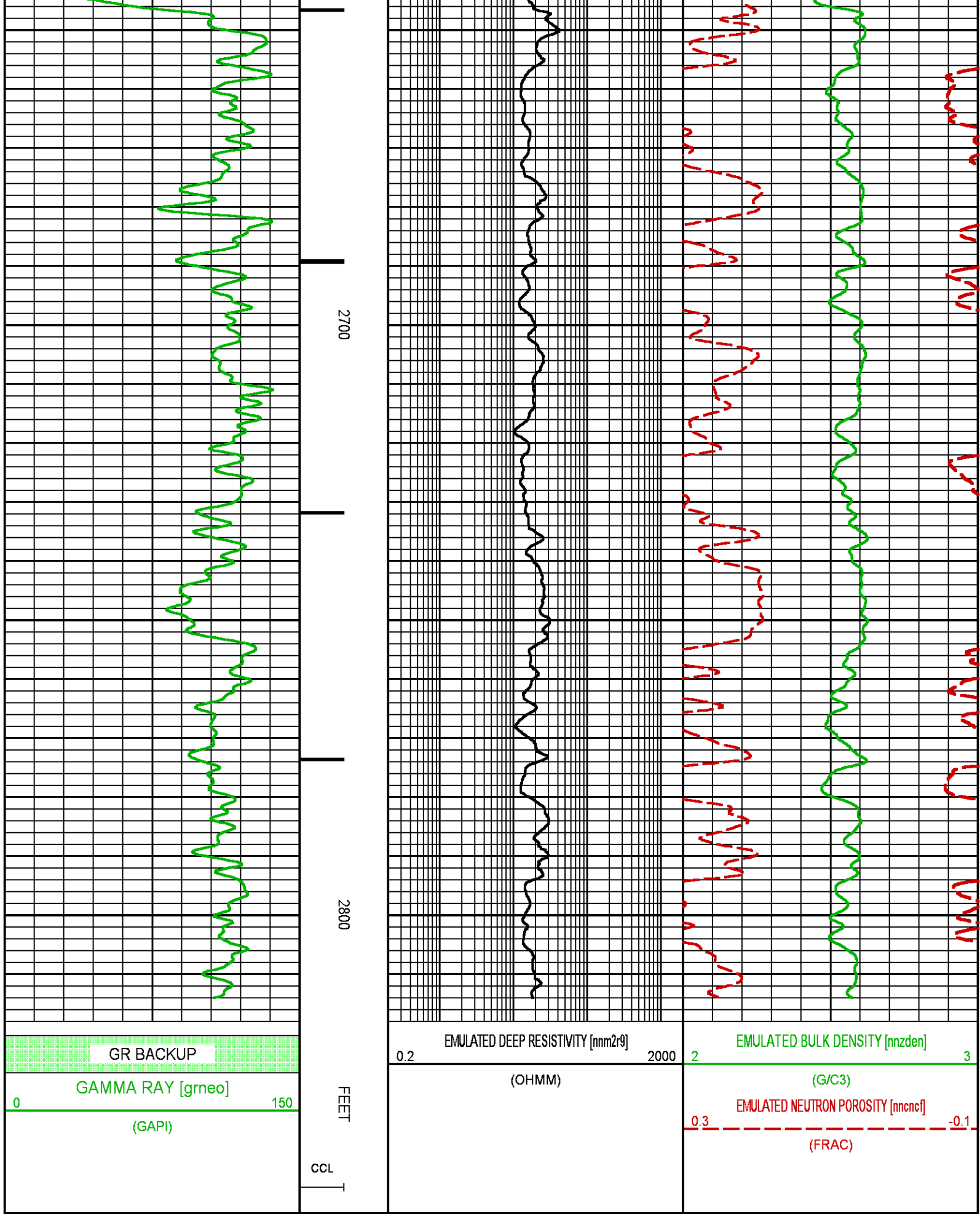




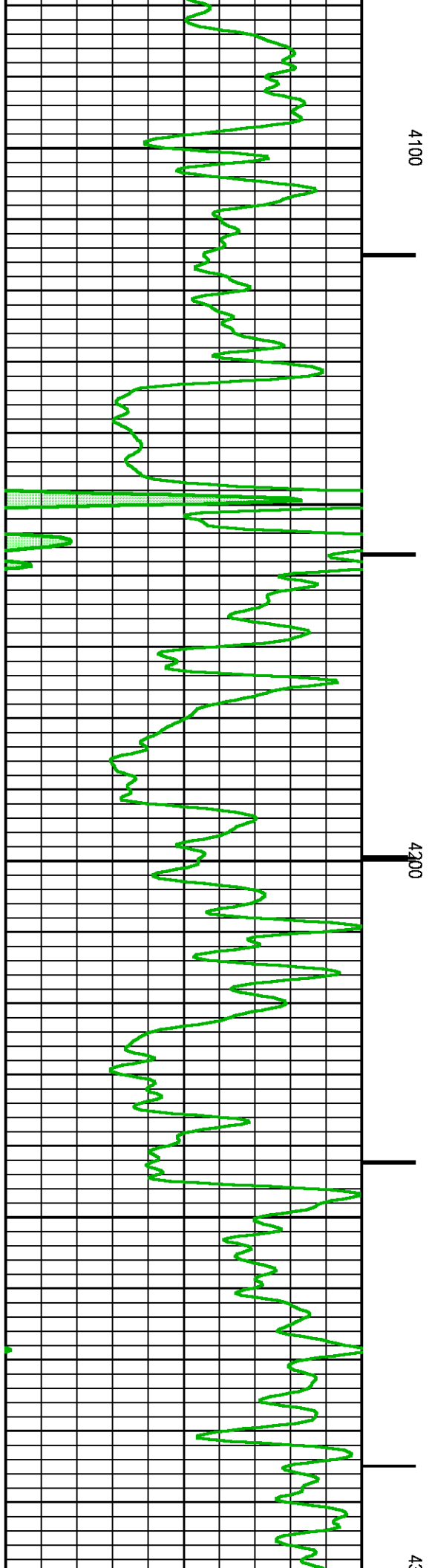
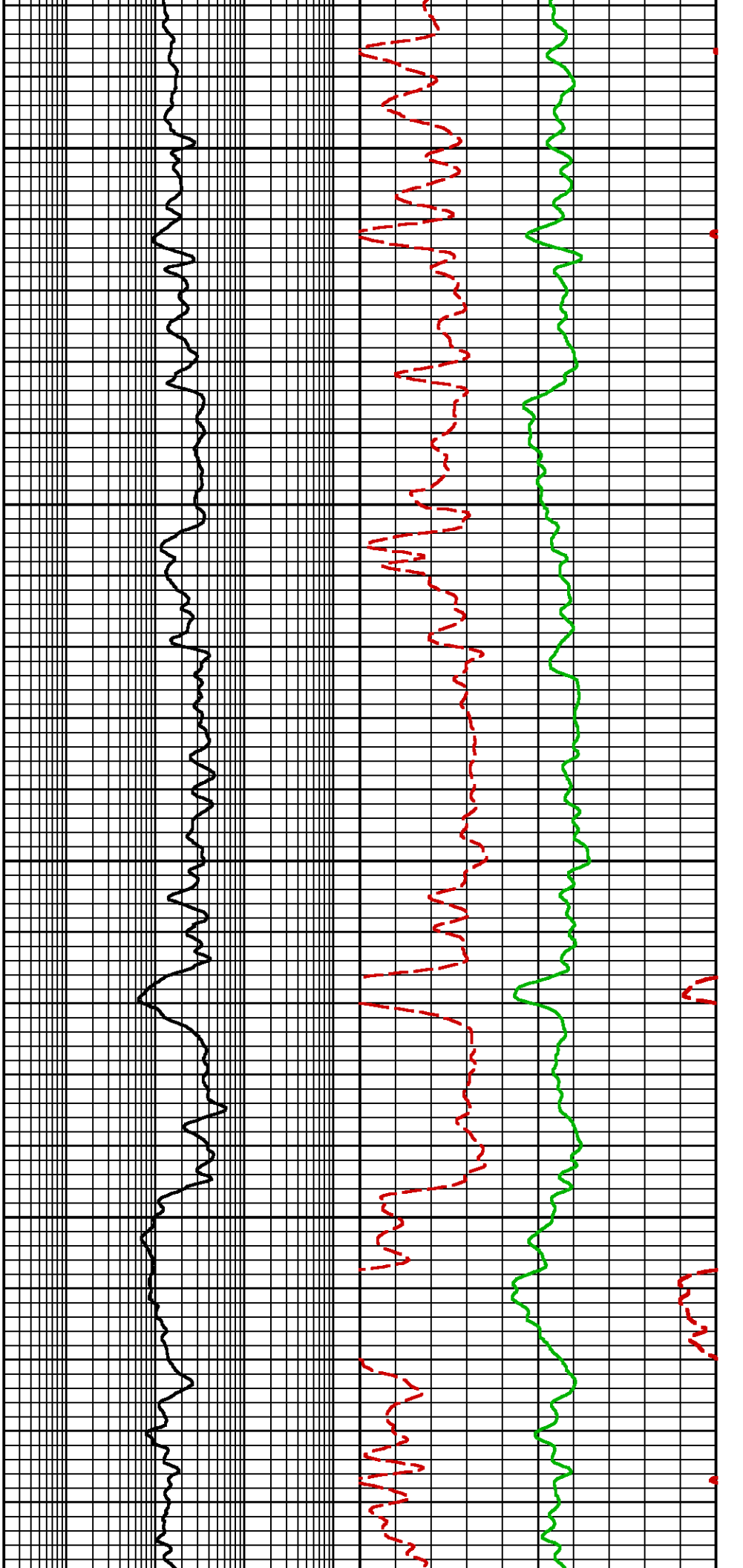
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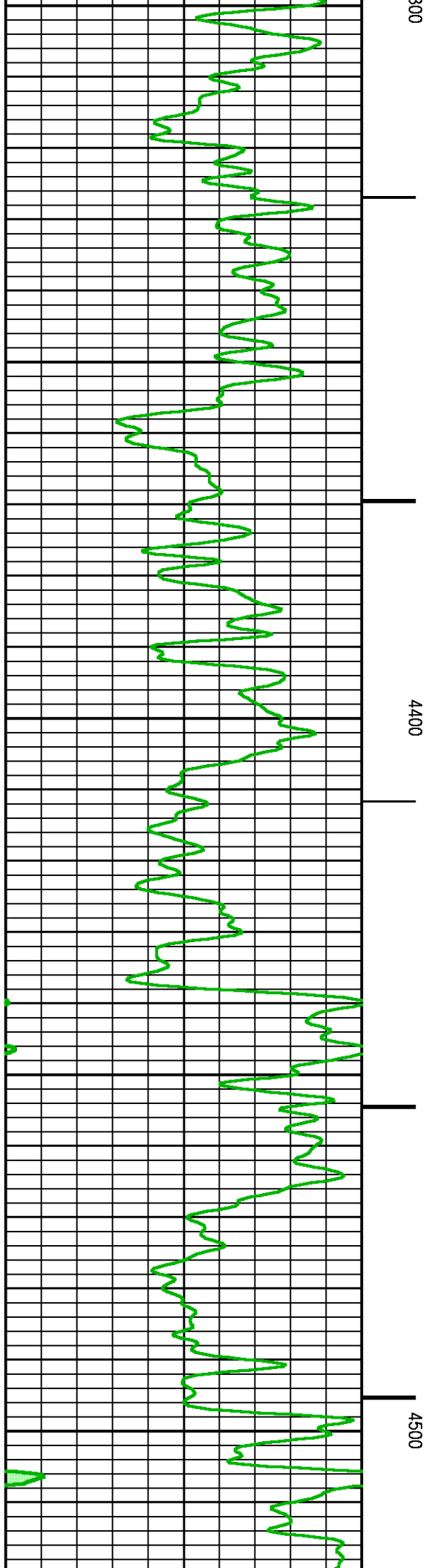
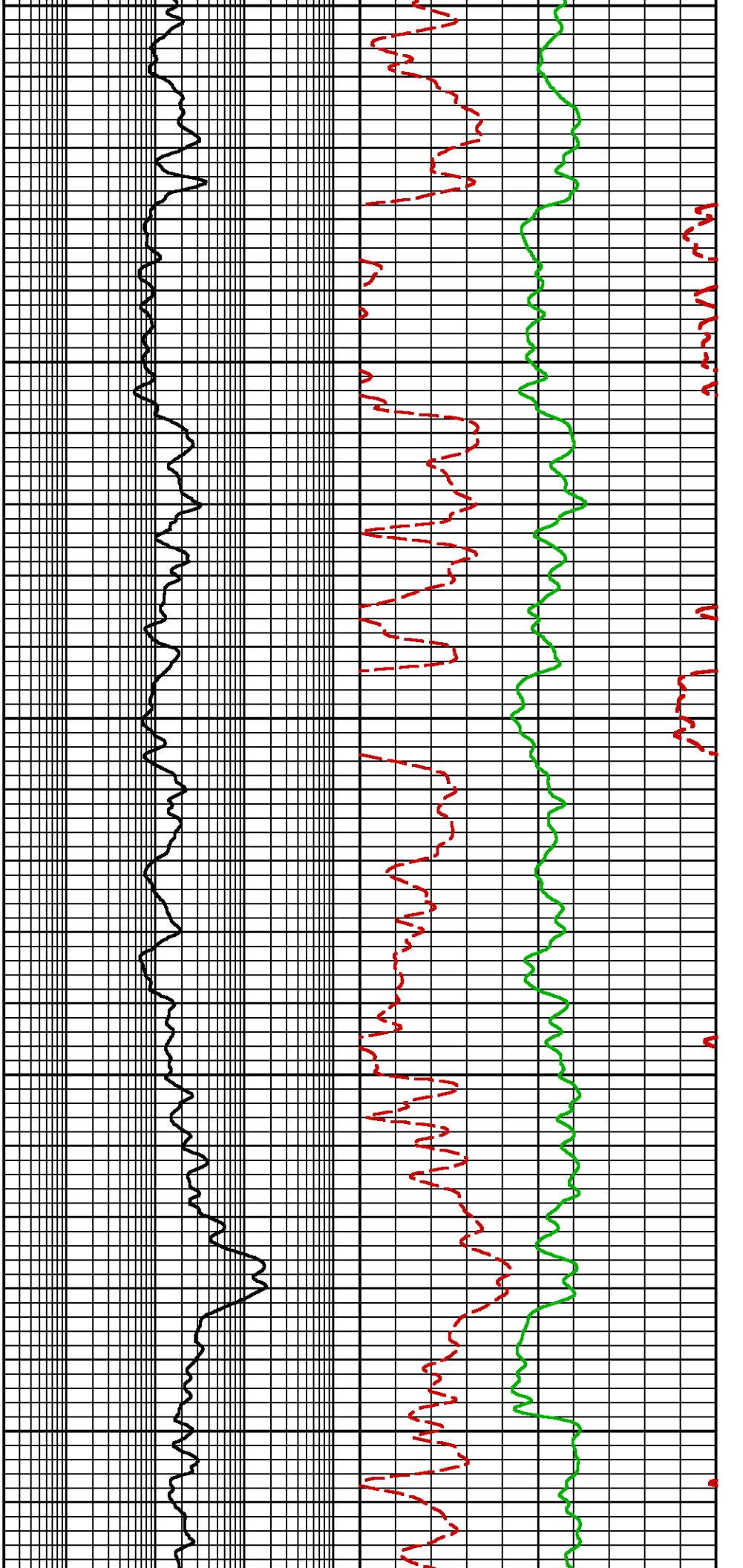
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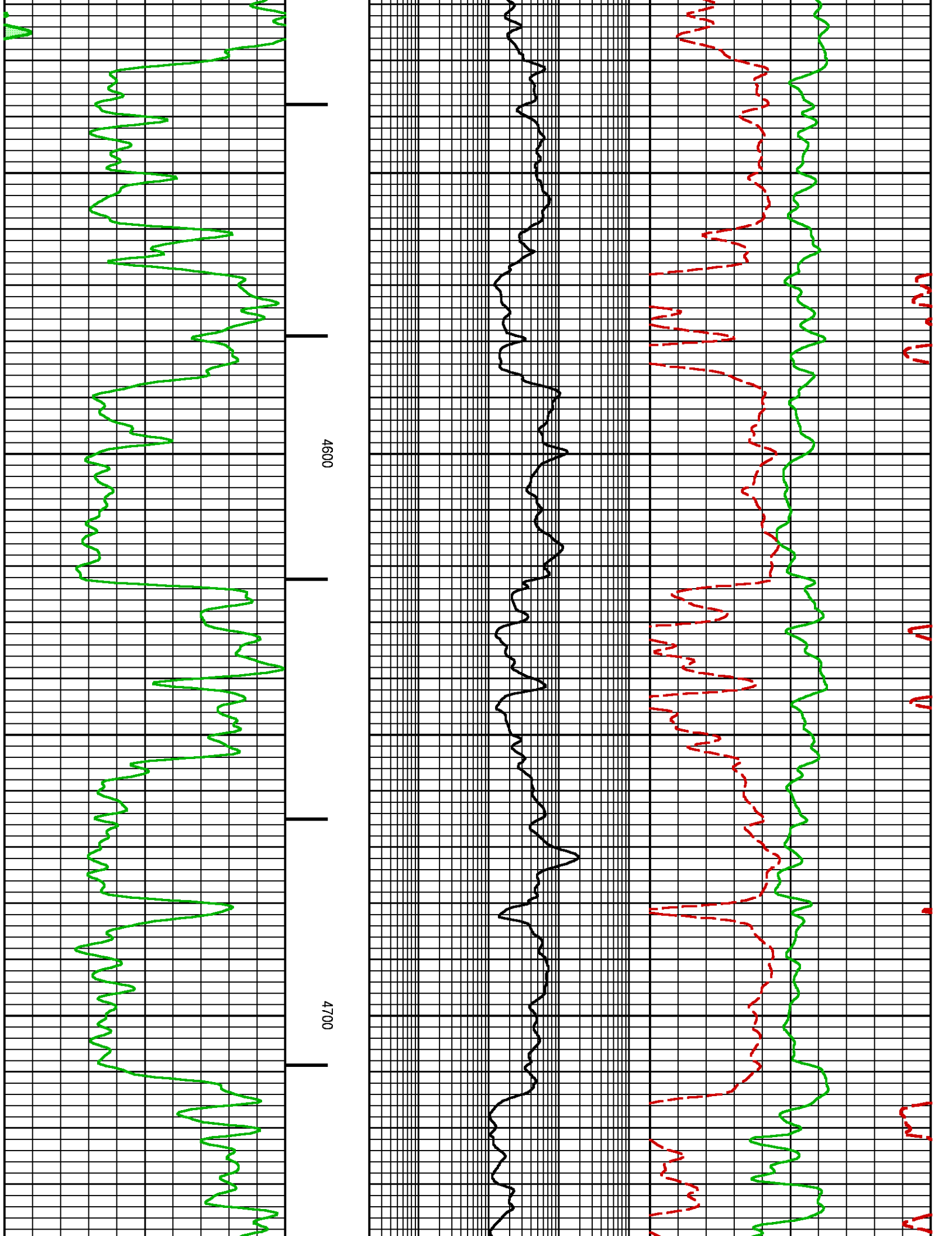


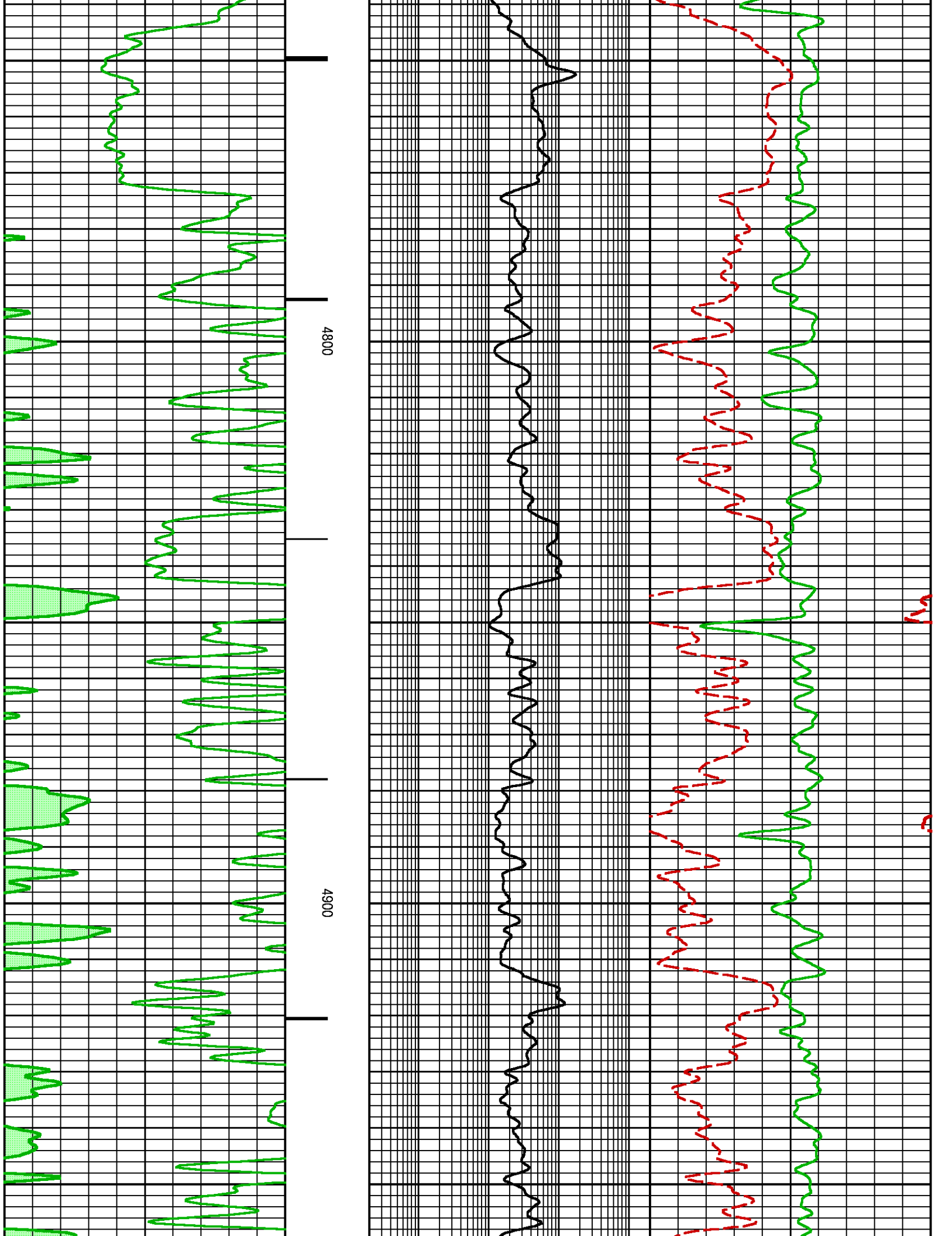


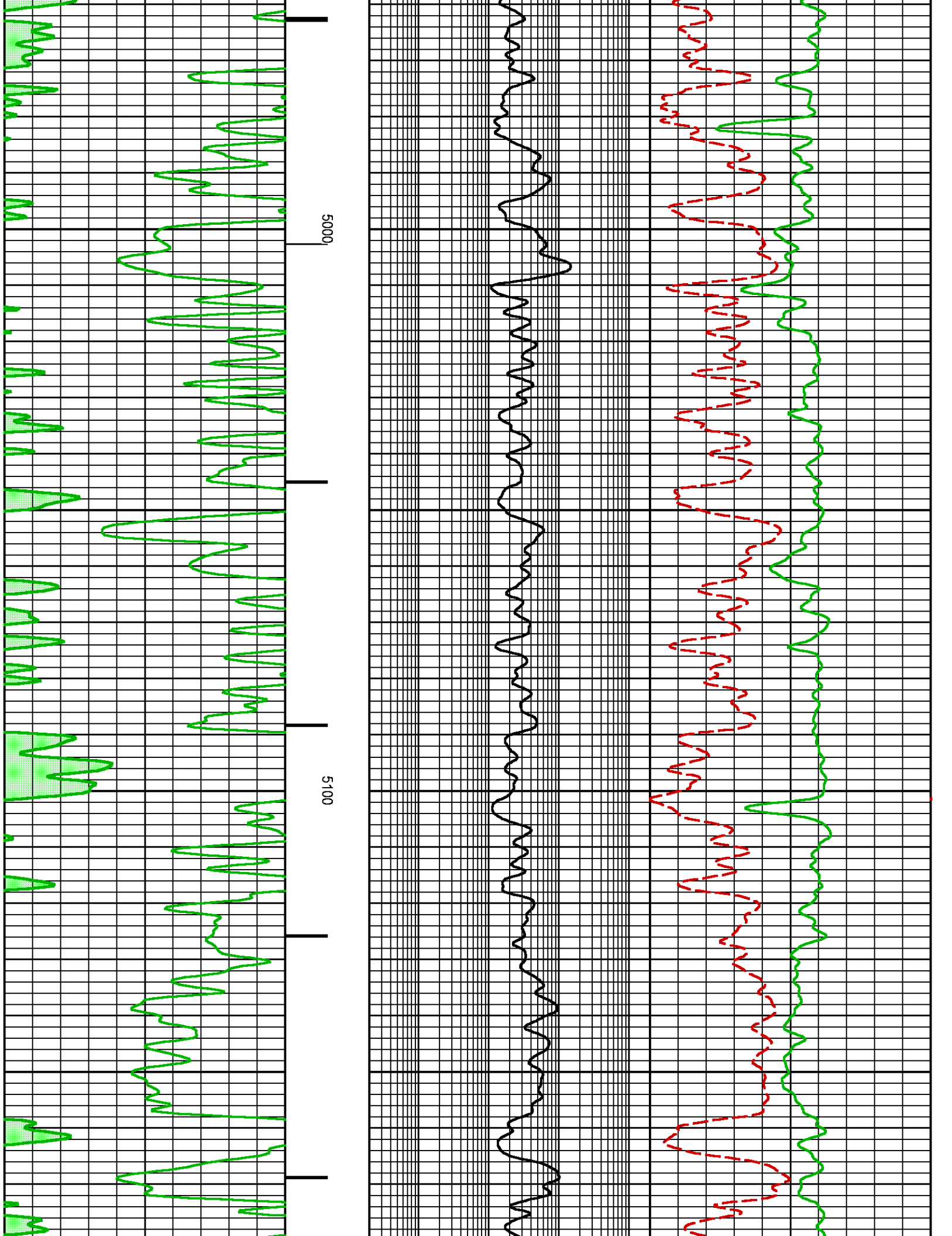


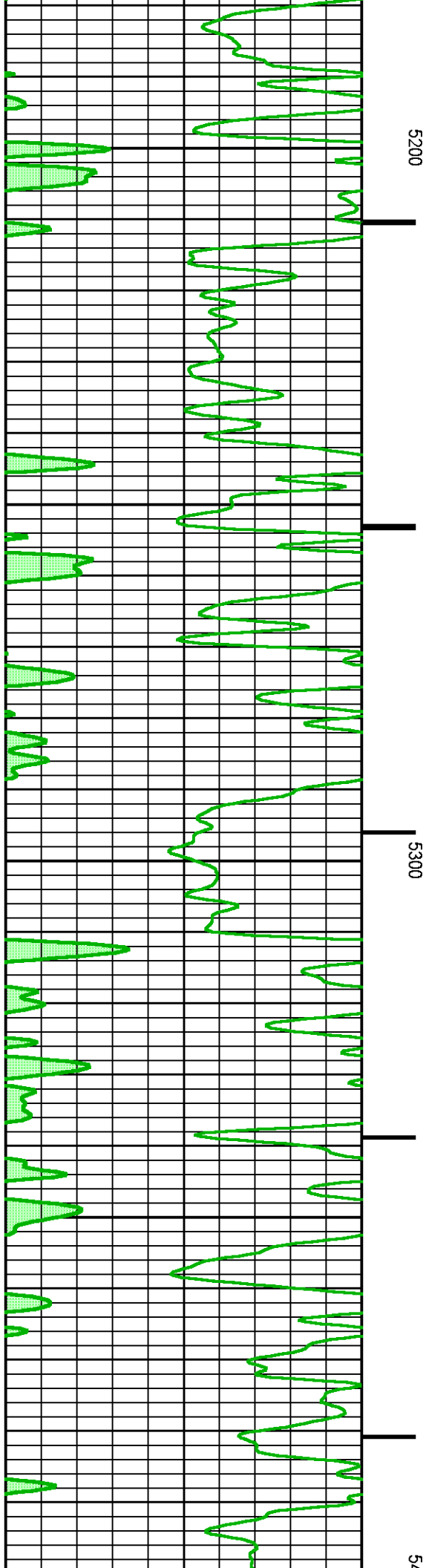
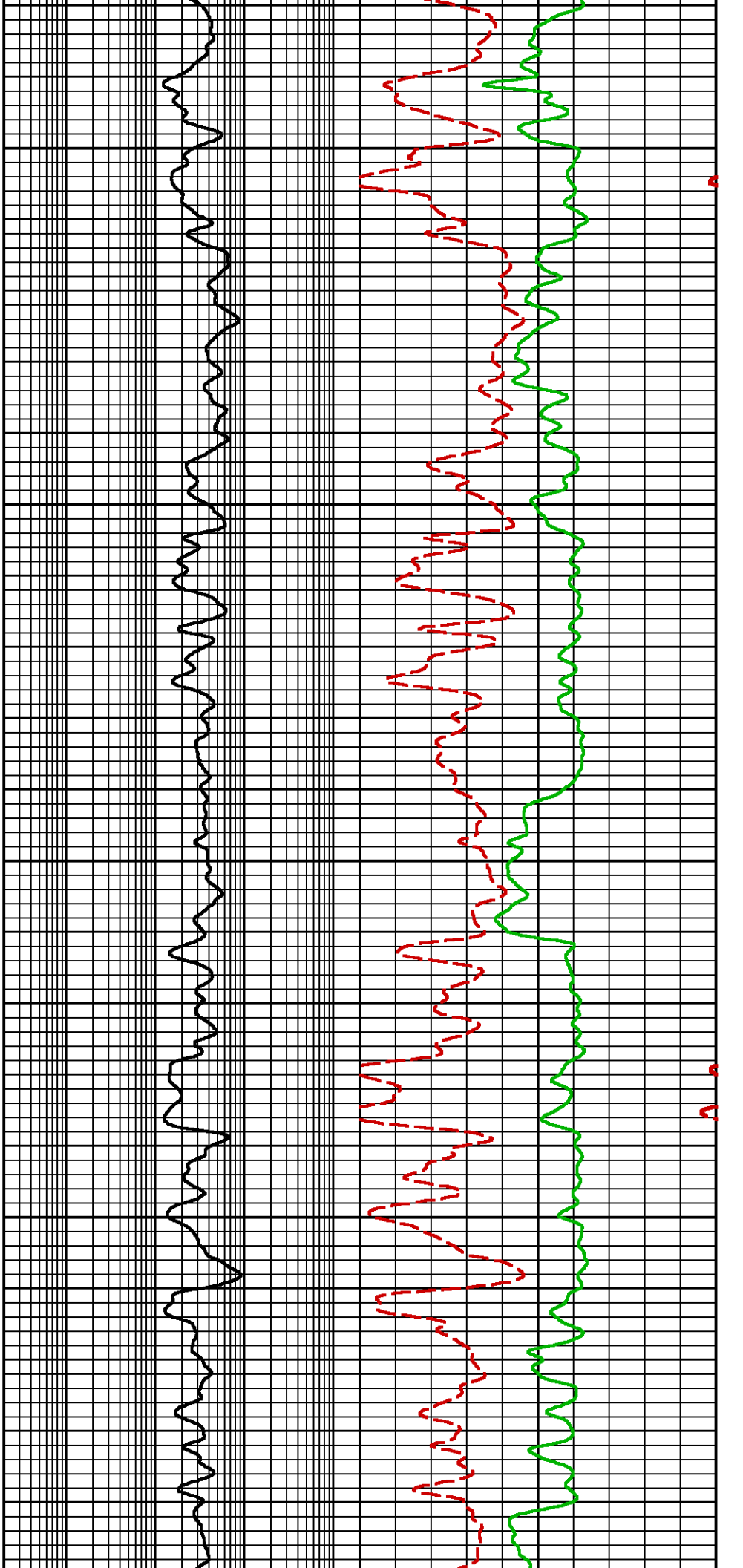


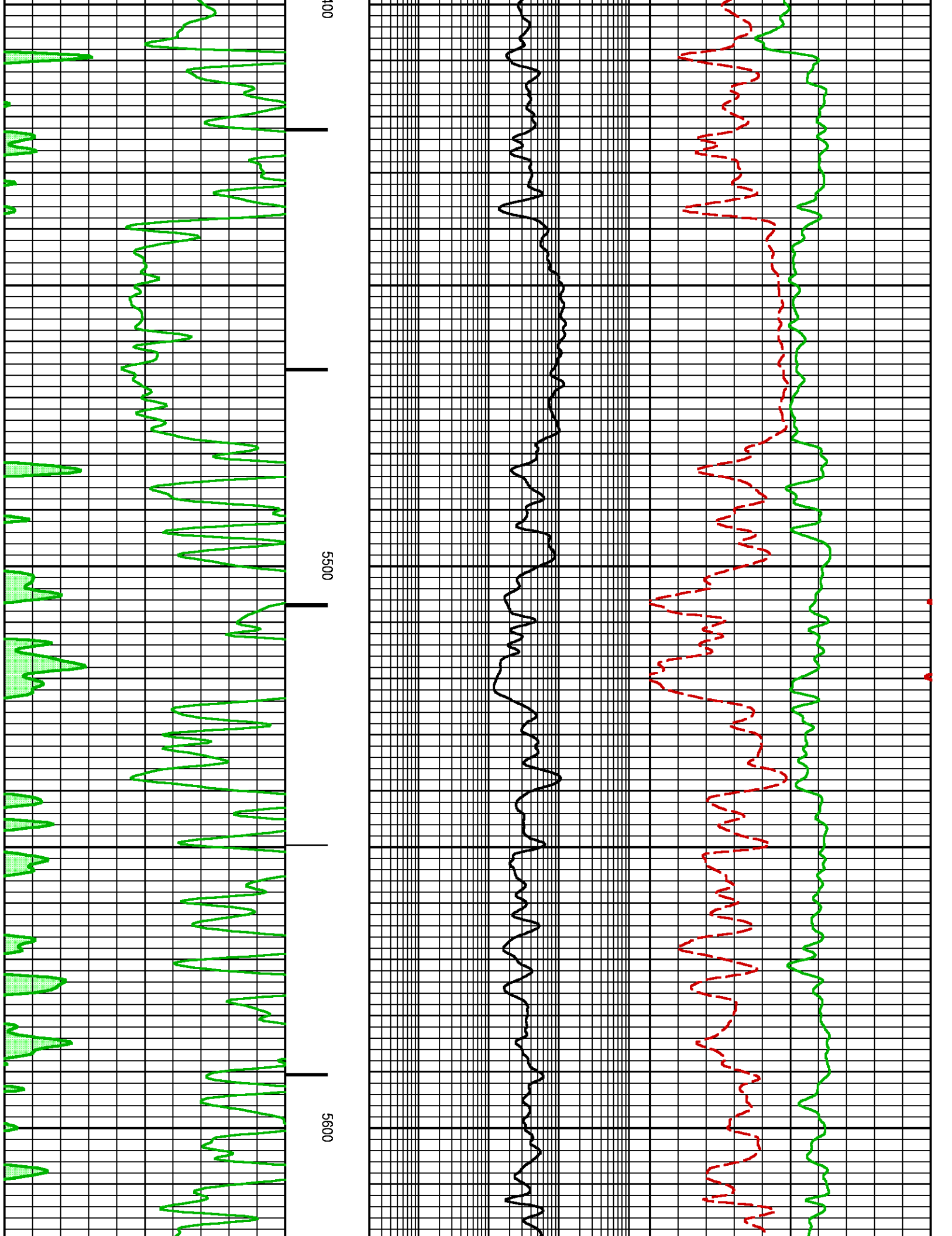


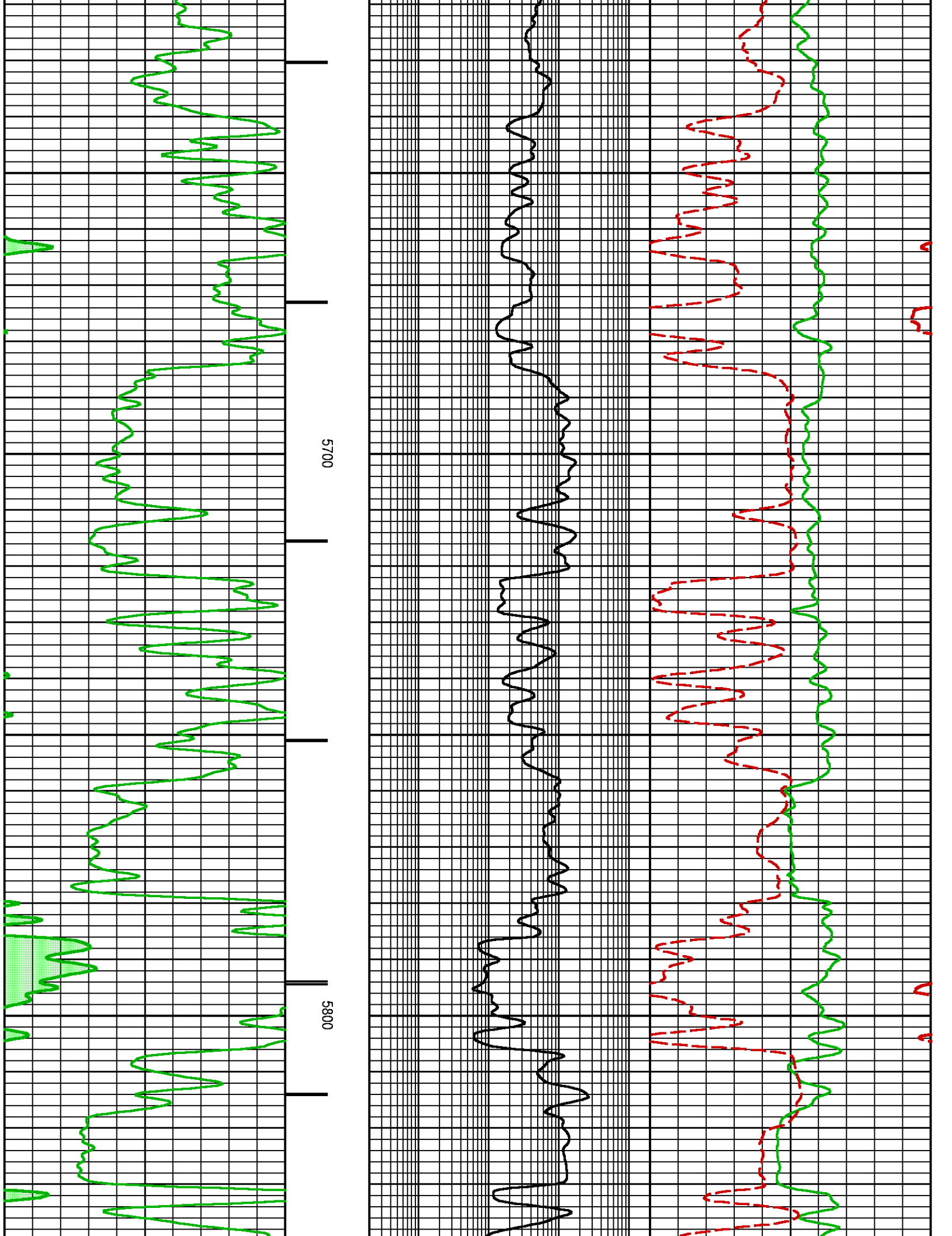


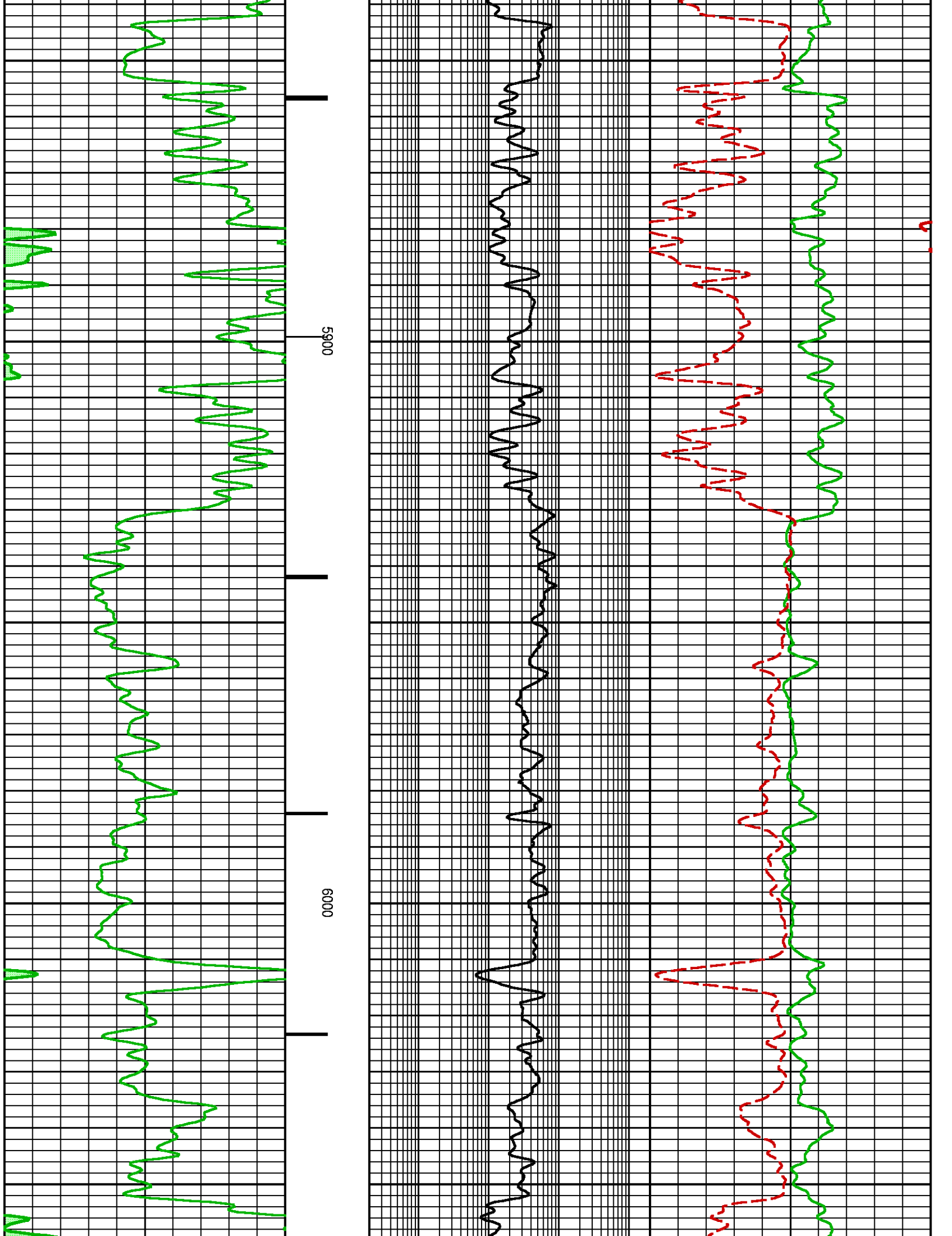


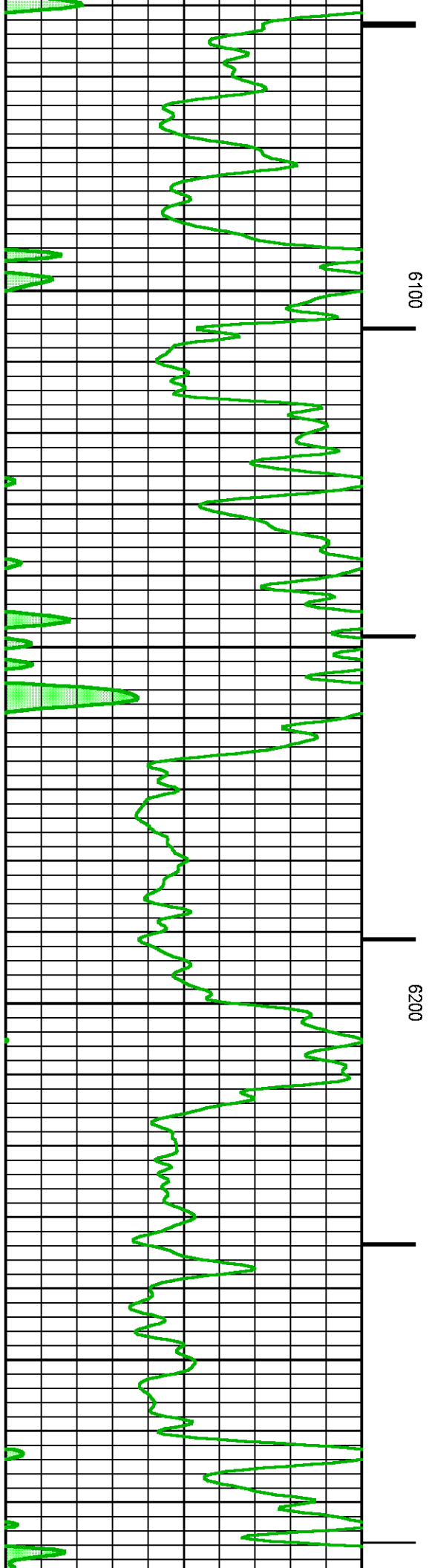
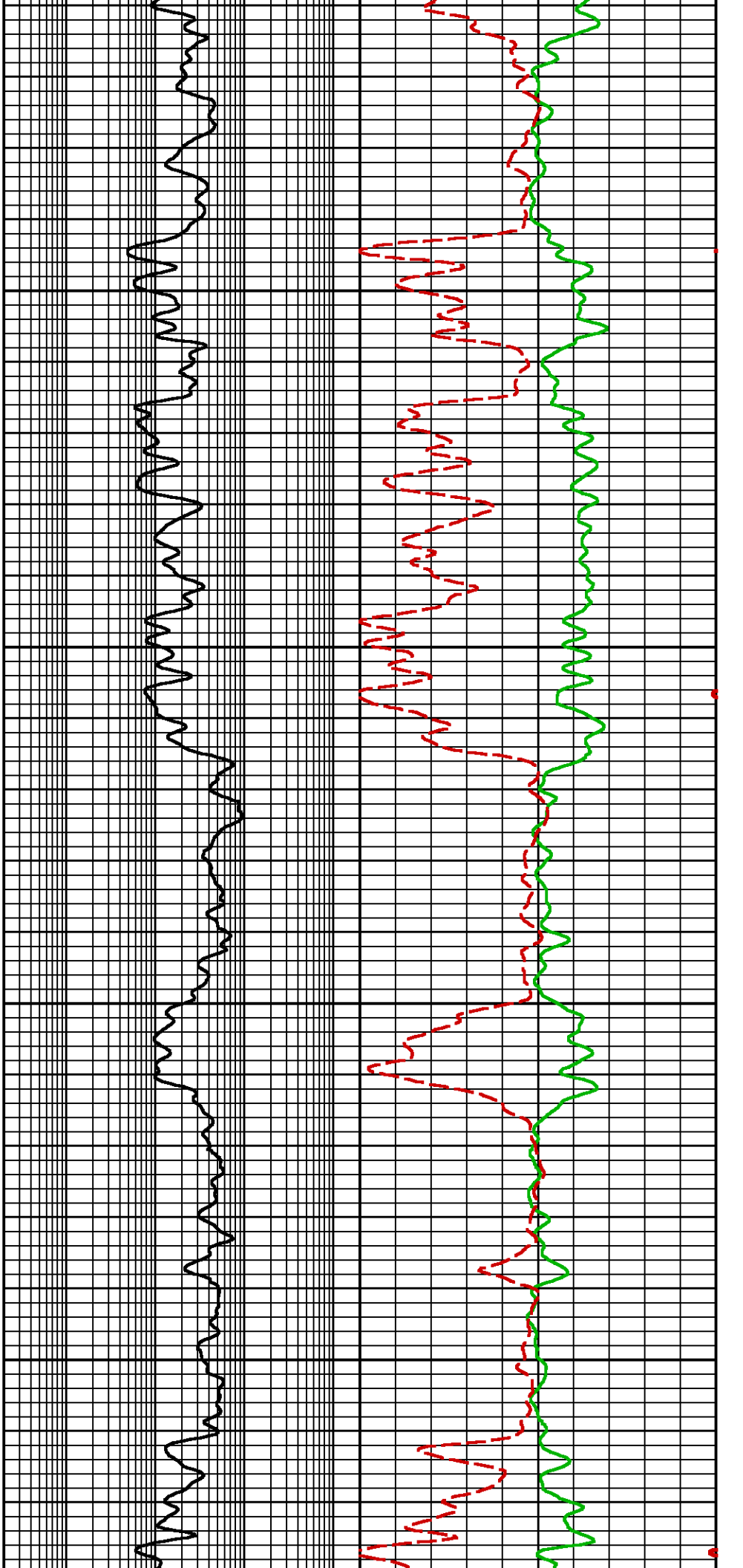




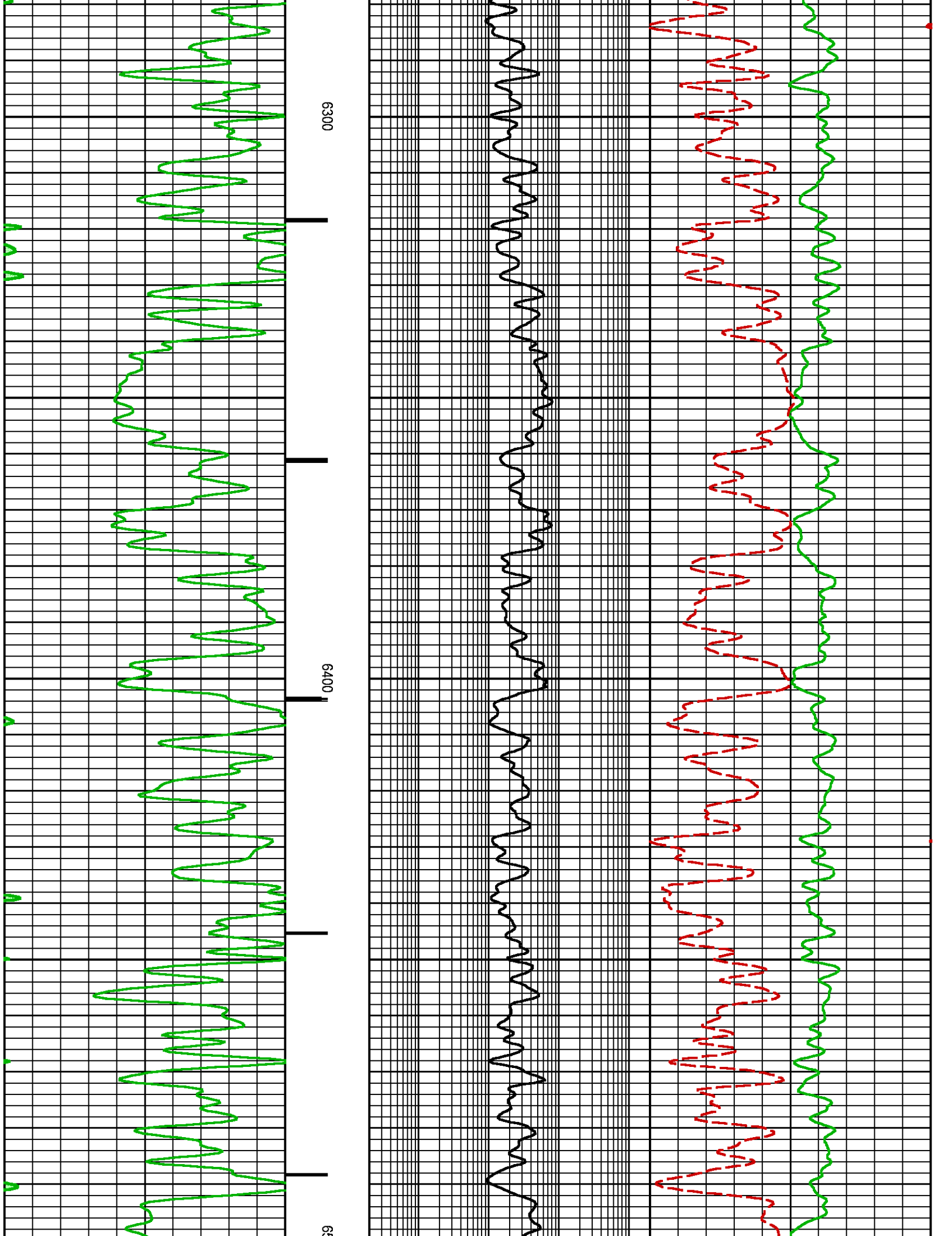


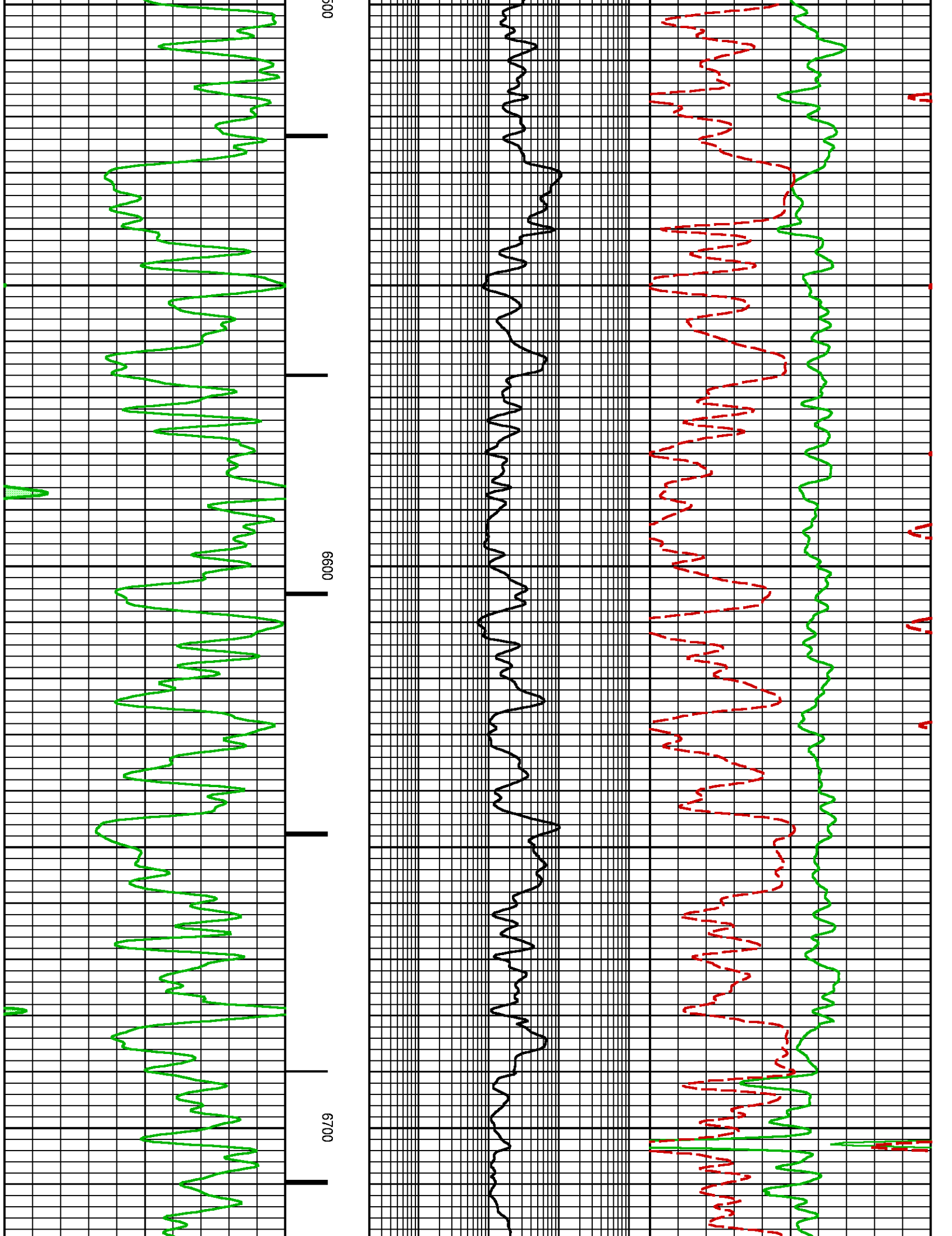


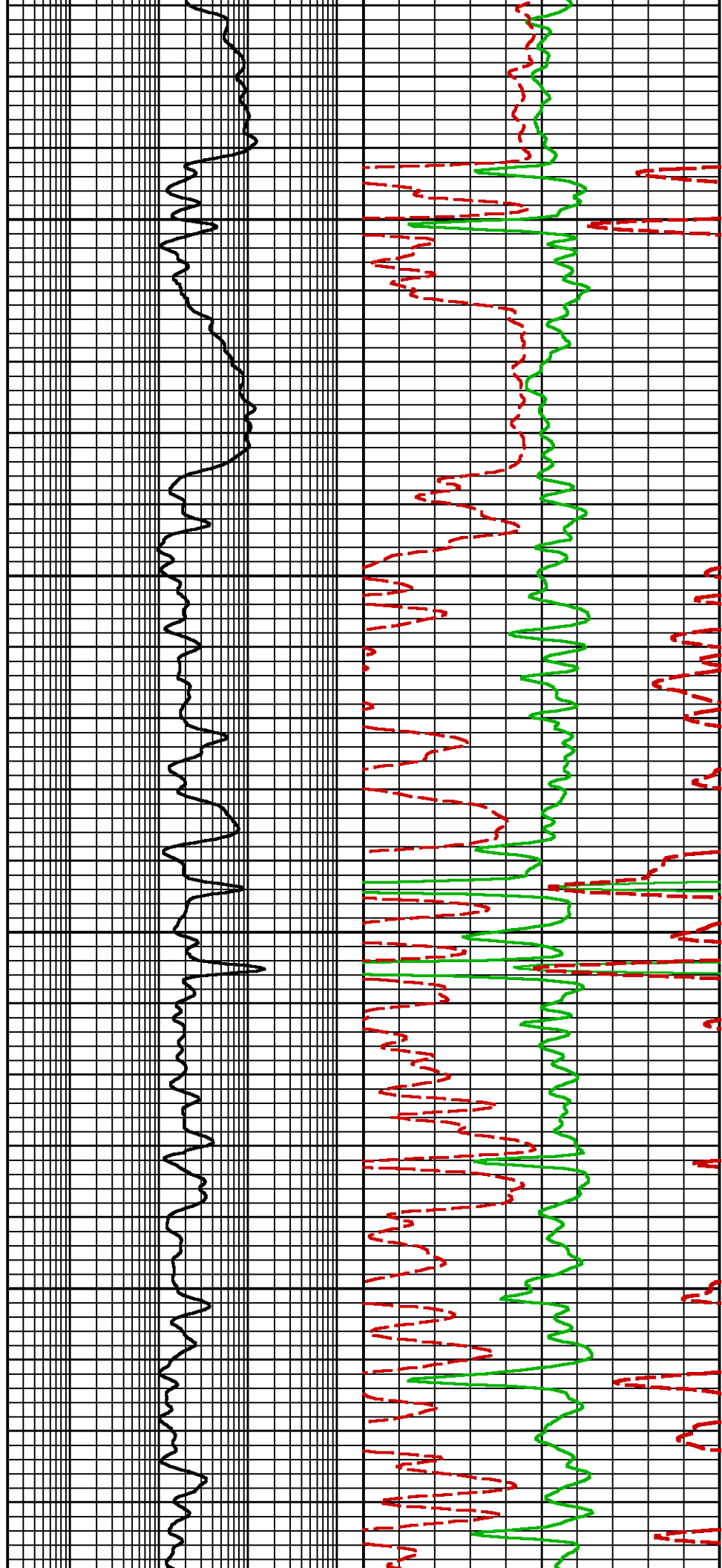
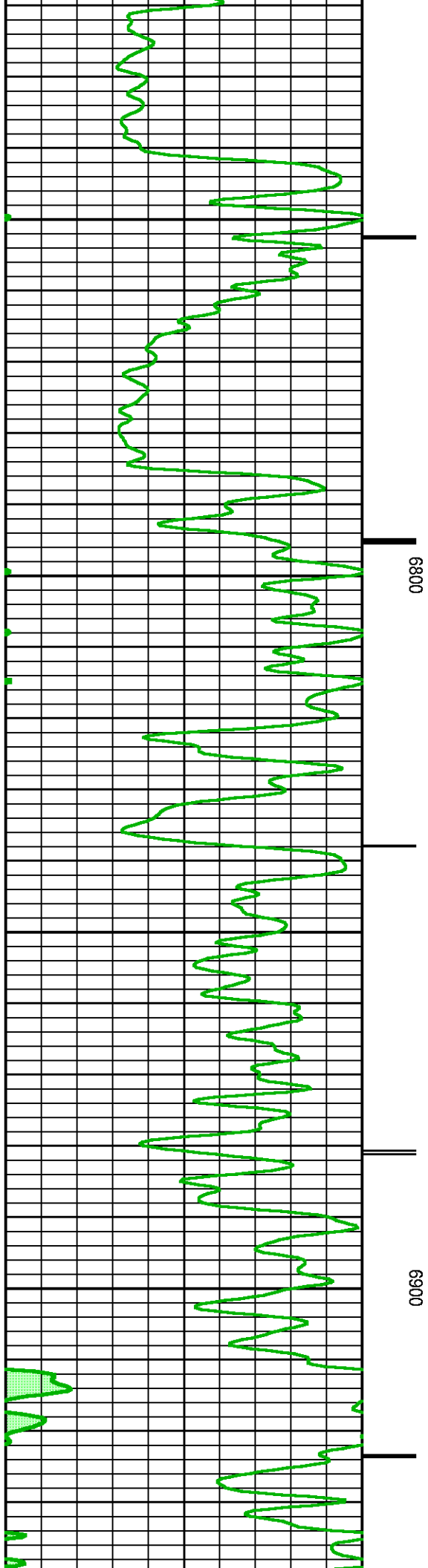


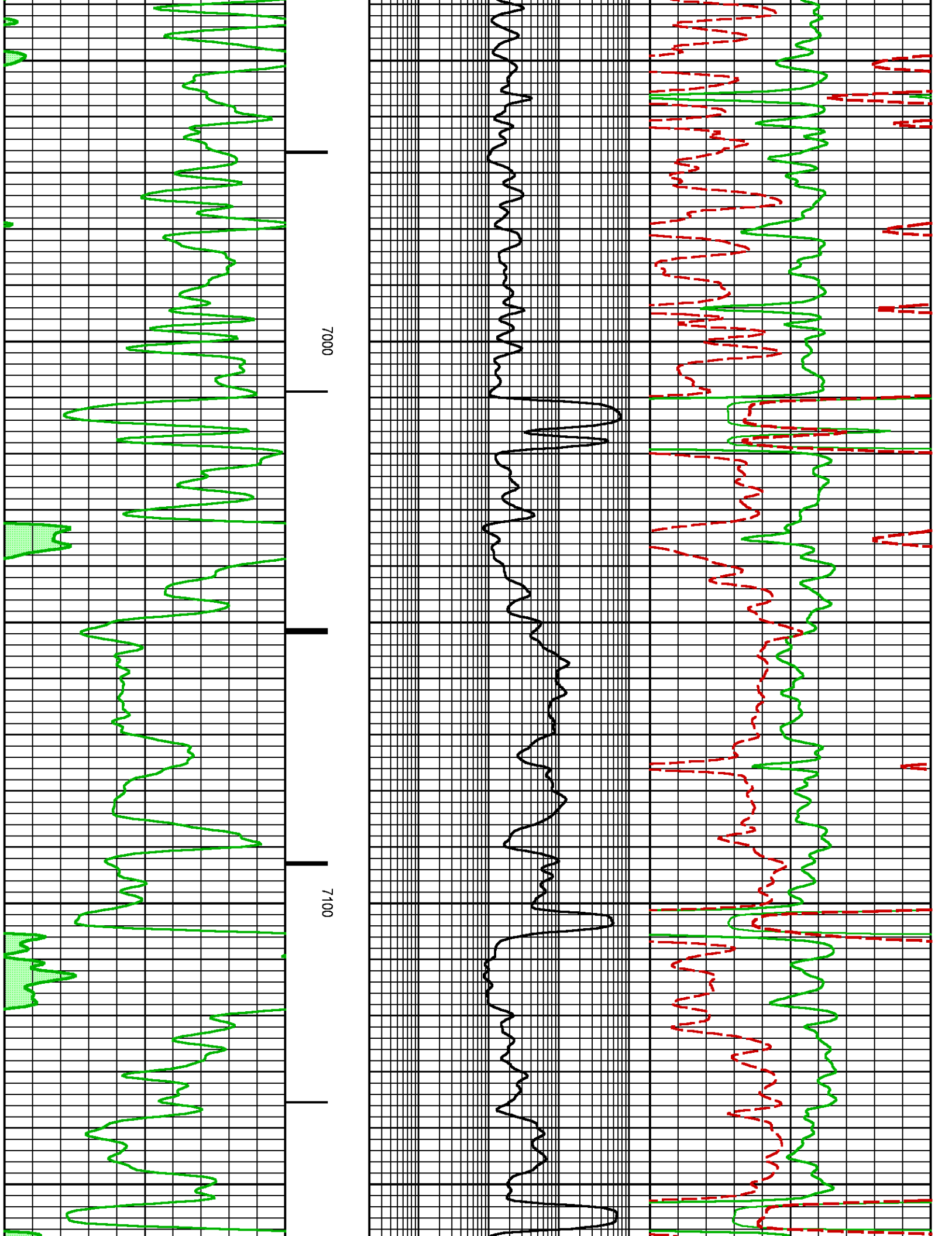


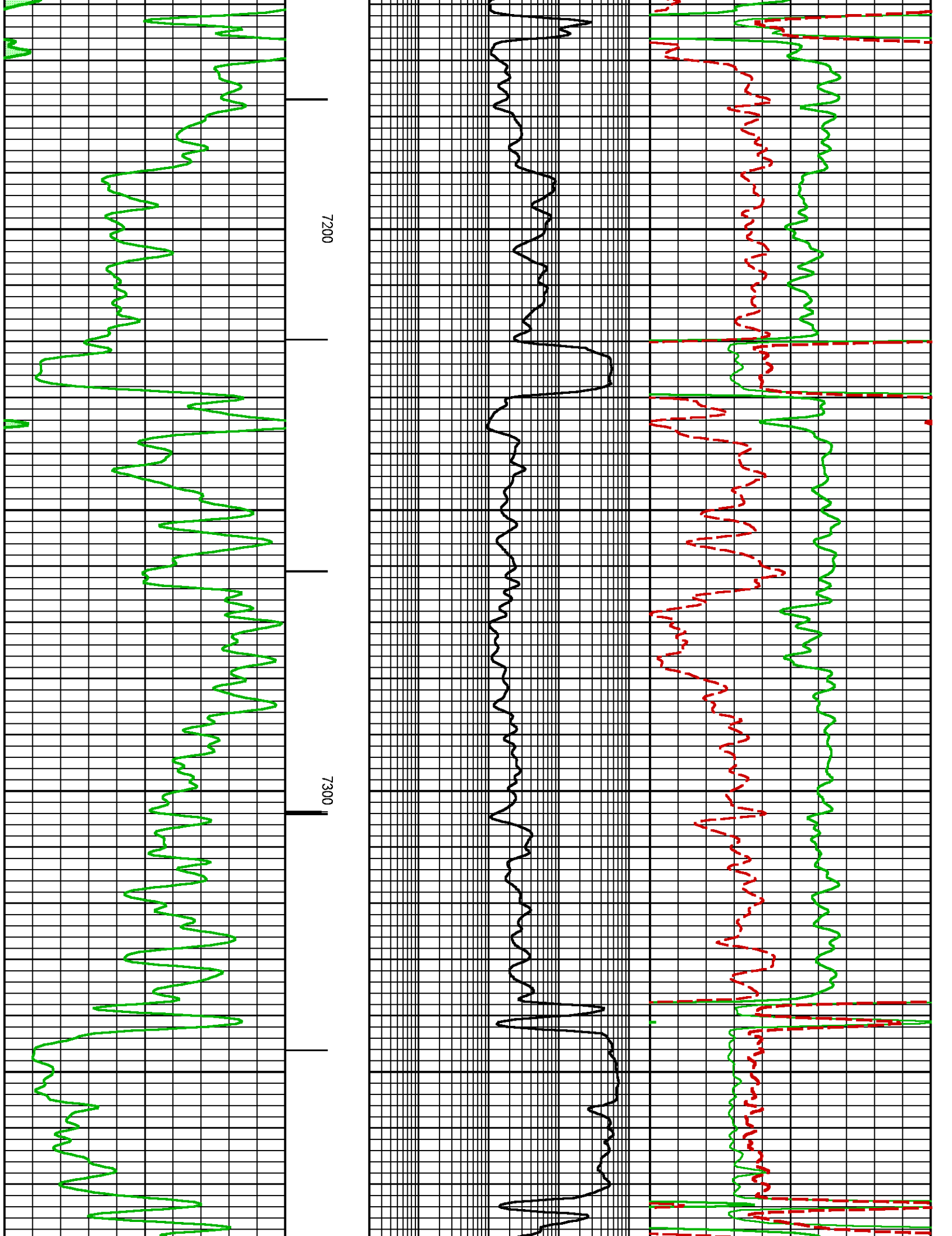


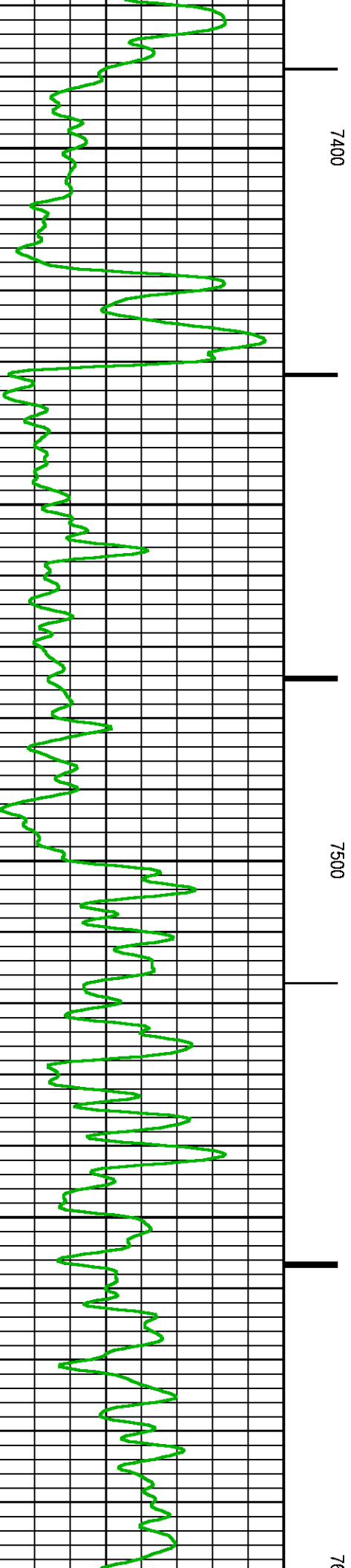
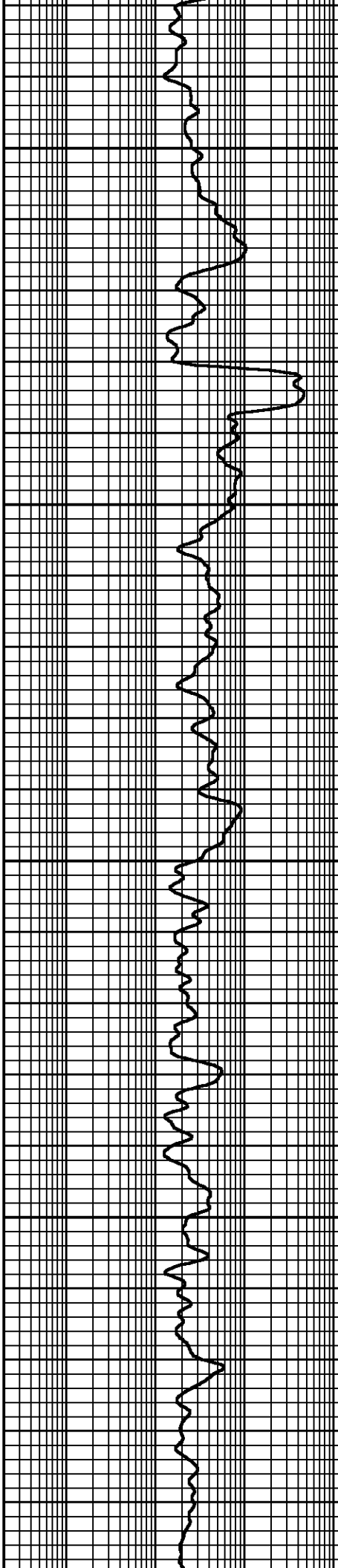
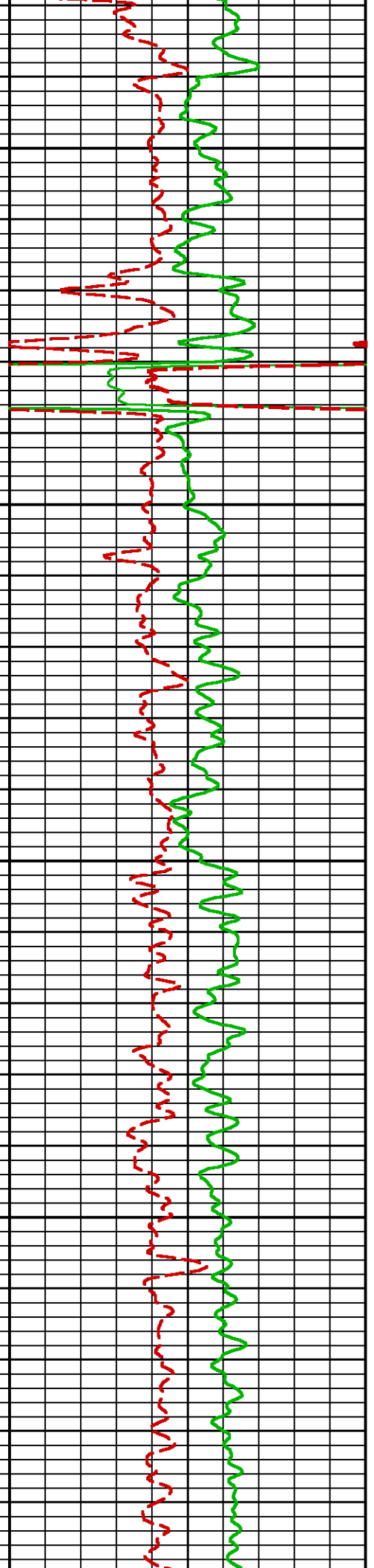


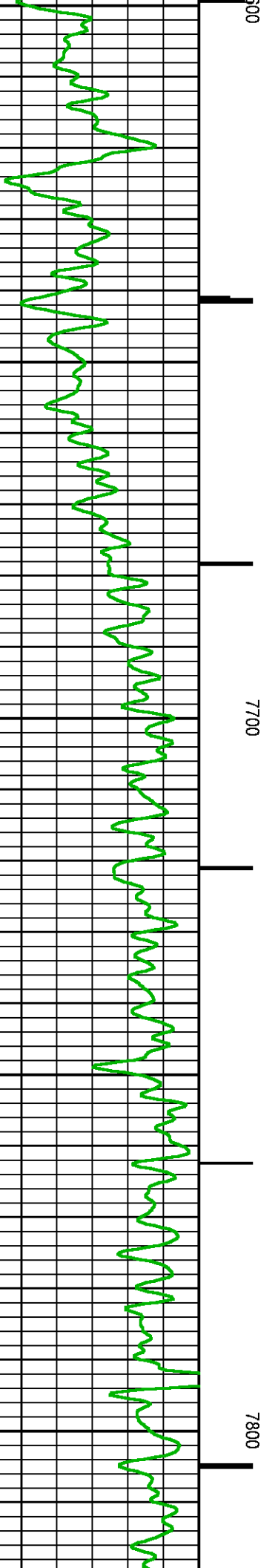
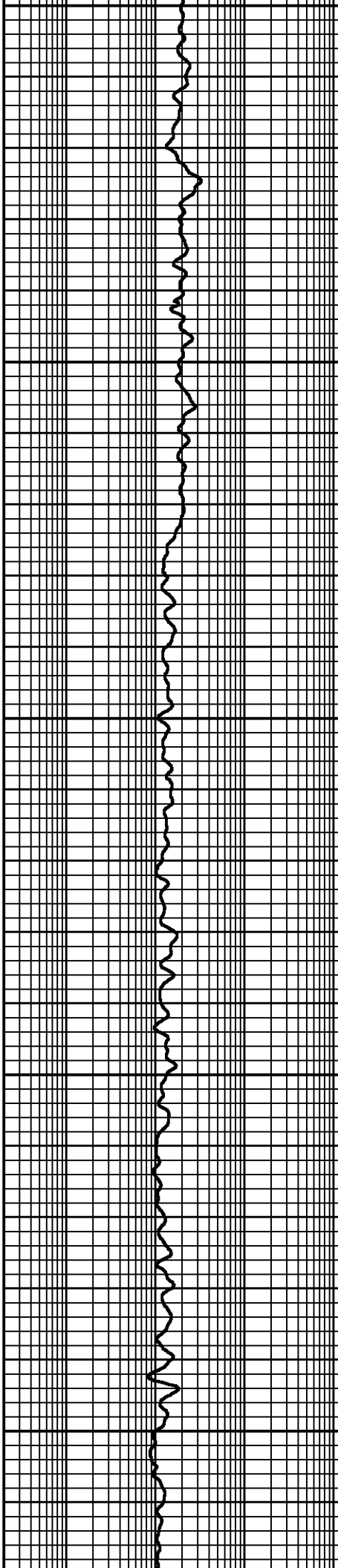
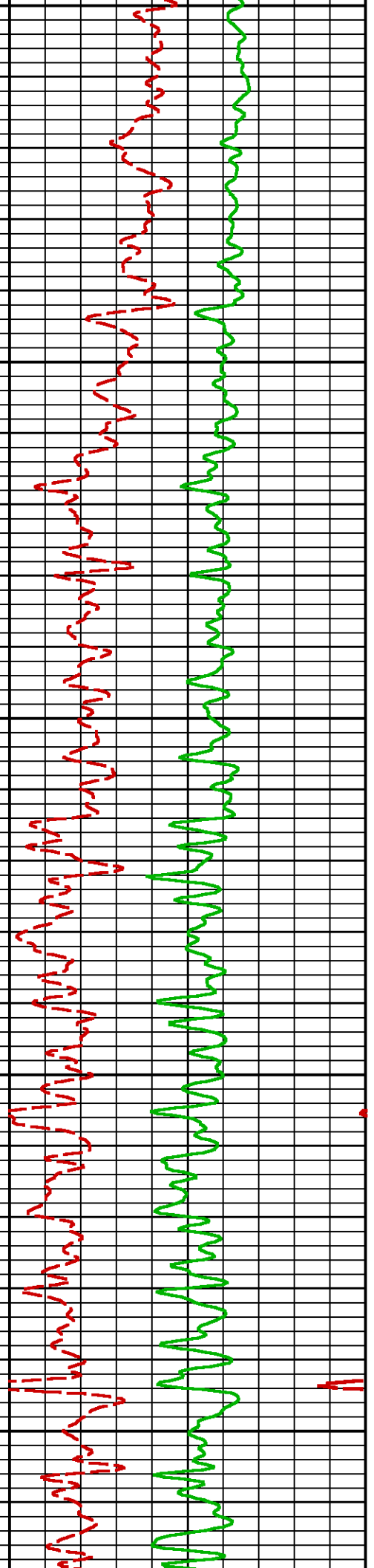


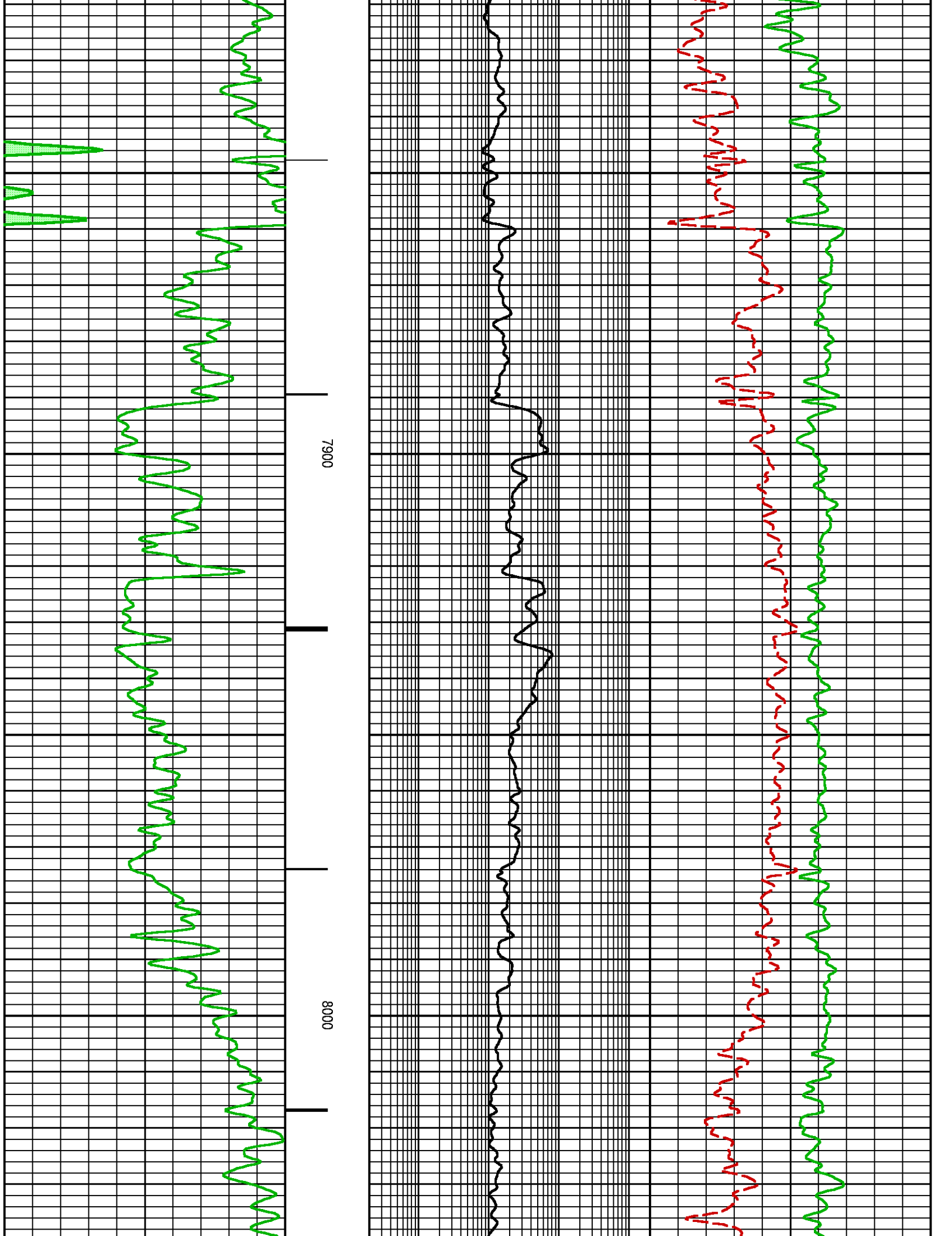




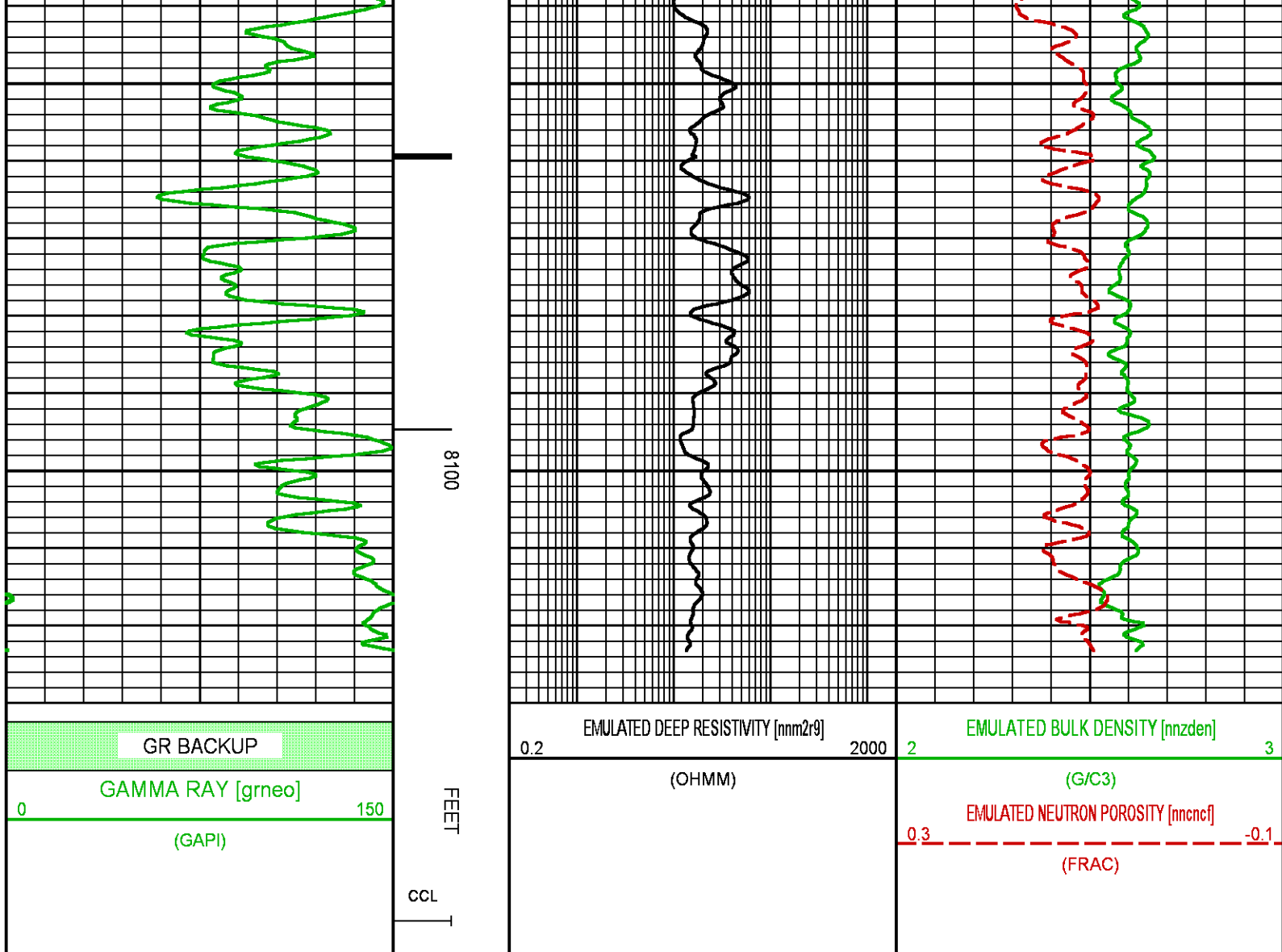



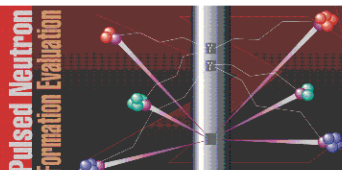










 	<b>COMPANY</b> <u>LARAMIE ENERGY LLC</u> <b>WELL</b> <u>NICHOLS 0994-24-10E</u> <b>FIELD</b> <u>VEGA</u> <b>COUNTY</b> <u>MESA</u> <b>STATE</b> <u>COLORADO</u>		<b>FILE NO:</b> _____ <b>API NO:</b> <u>05077103900000</u>
	<b>LOCATION:</b> <u>SEE REMARKS SECTION</u>		<b>ELEVATIONS:</b> KB <u>7236.0 FT</u> DF _____ GL <u>7212.0 FT</u>
	<b>SEC</b> <u>24</u> <b>TWP</b> <u>9S</u> <b>RGE</b> <u>94W</u>		
		<b>DATE</b> <u>27-JUN-2018</u>	