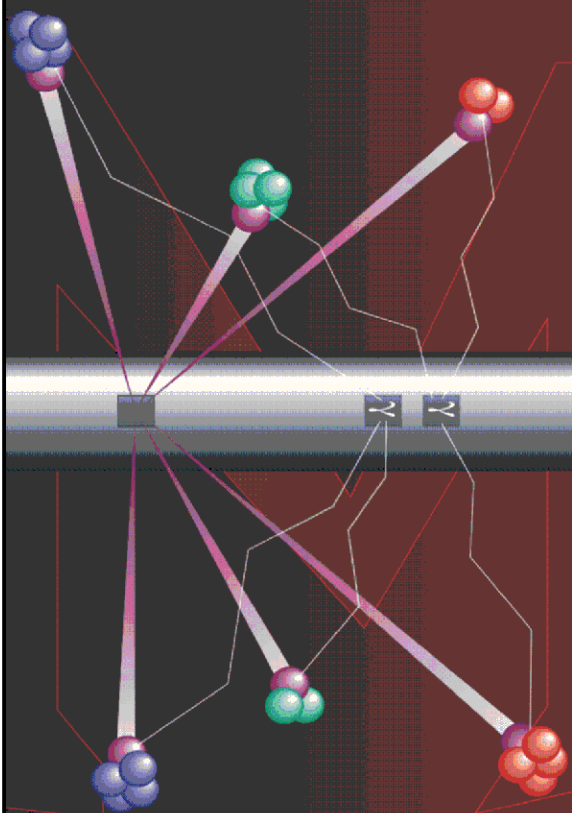


**BAKER
HUGHES**
a GE company



Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL NICHOLS 0994-24-21W

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 06-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>20-JUL-2018</u>
FIELD DATA	LOCATION: <u>GRAND JCT.</u>		ENGINEER: <u>M.BAUKA/US137657</u>	DATE: <u>06-JUL-2018</u>
FROM	TO			
<u>2195 FT</u>	<u>7878 FT</u>			

REMARKS

LOCATION:
SHL: 2330' FNL & 2779' FWL
BHL: 160' FSL & 1546' 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.

NO DEPTH REFERENCE PROVIDED

NEO RESULTS FOR NICHOLS 0994-24-21W (G-SAND)

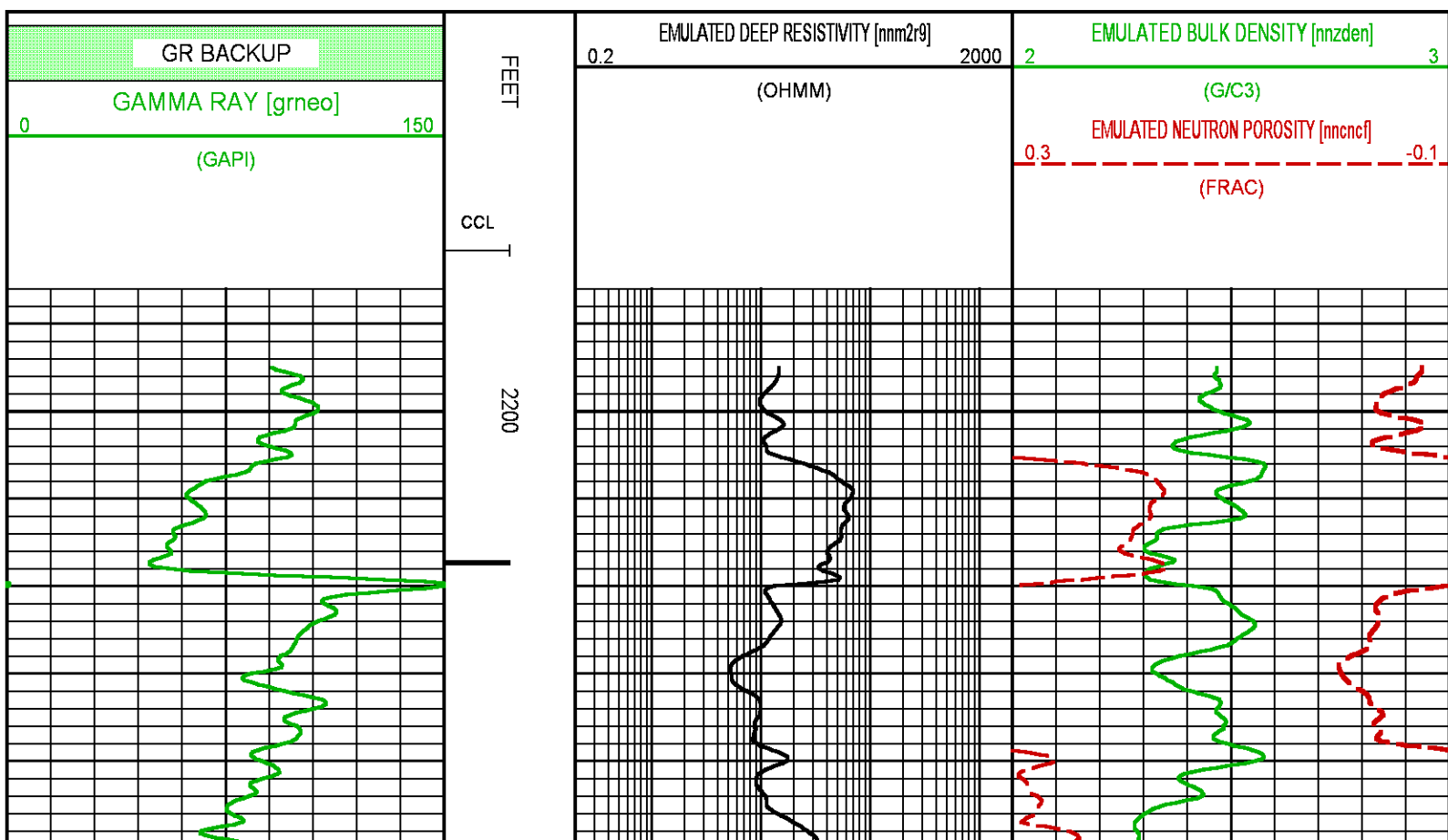
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

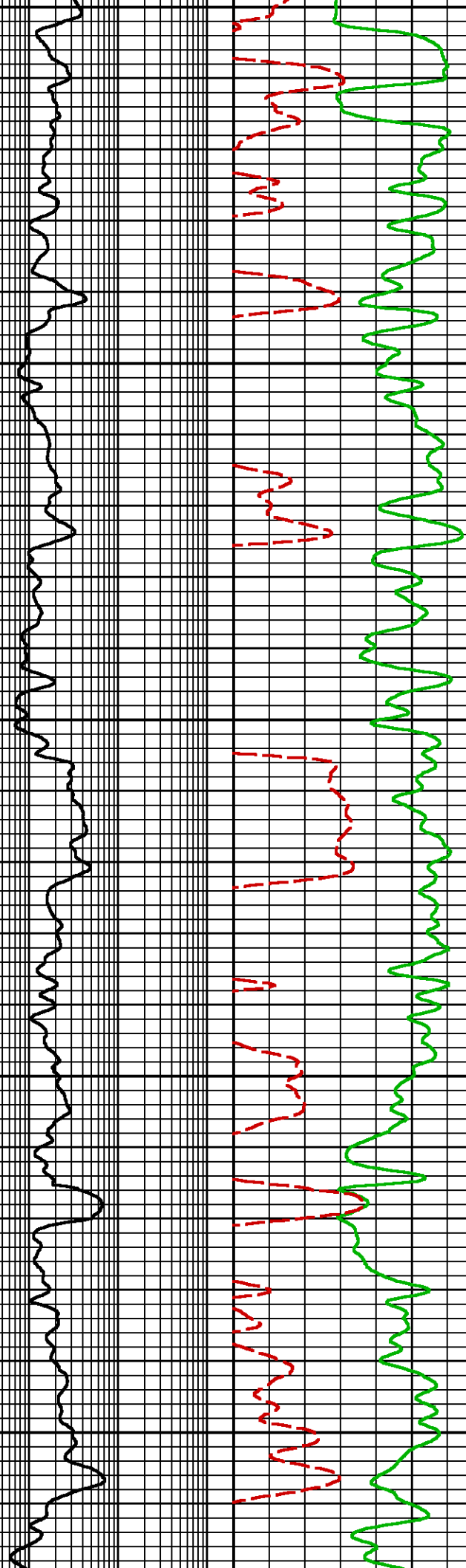
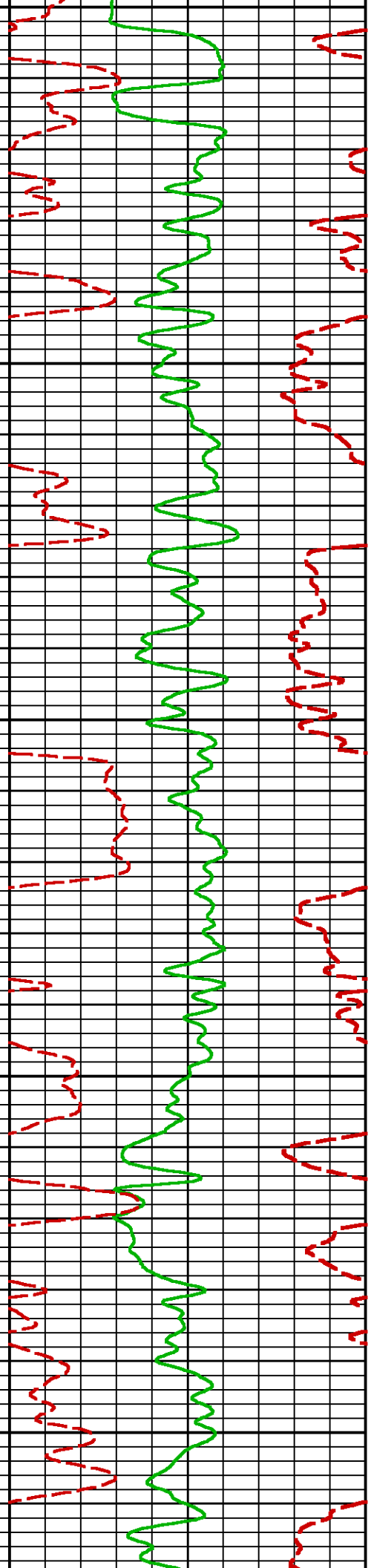
Plotted: Fri Jul 20 15:25:29 2018

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				

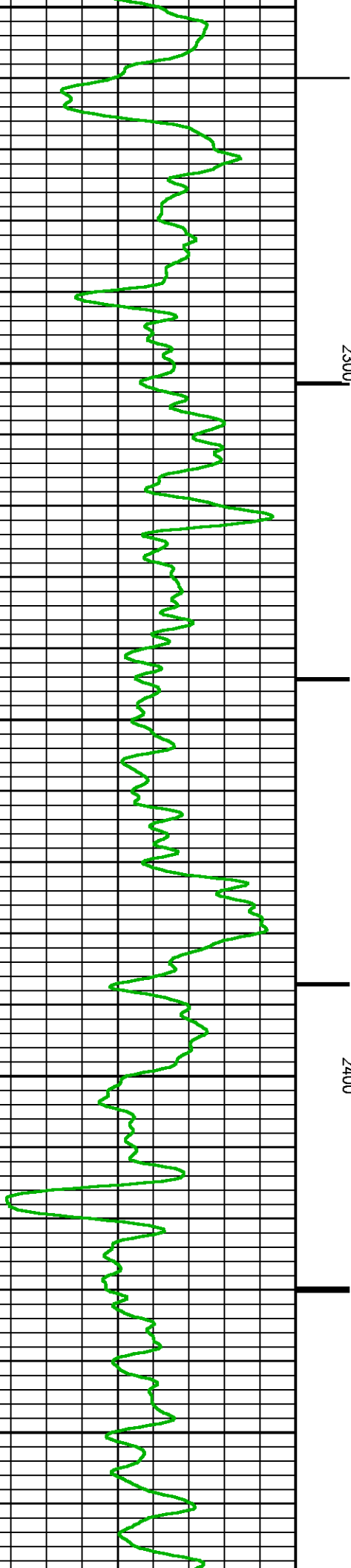
Project : NA
User : kotoale
Presentation : BHI1F65XZ1:d:\Ape_Projects\LARAMIE_NICHOLS_0994_24_21W_NEO\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2187 - 2849 Feet
Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\LARAMIE_NICHOLS_0994_24_21W_NEO\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : NICHOLS 0994-24-21W
Field : VEGA
File Interval : 2195 - 7878 Feet
OCT : NA

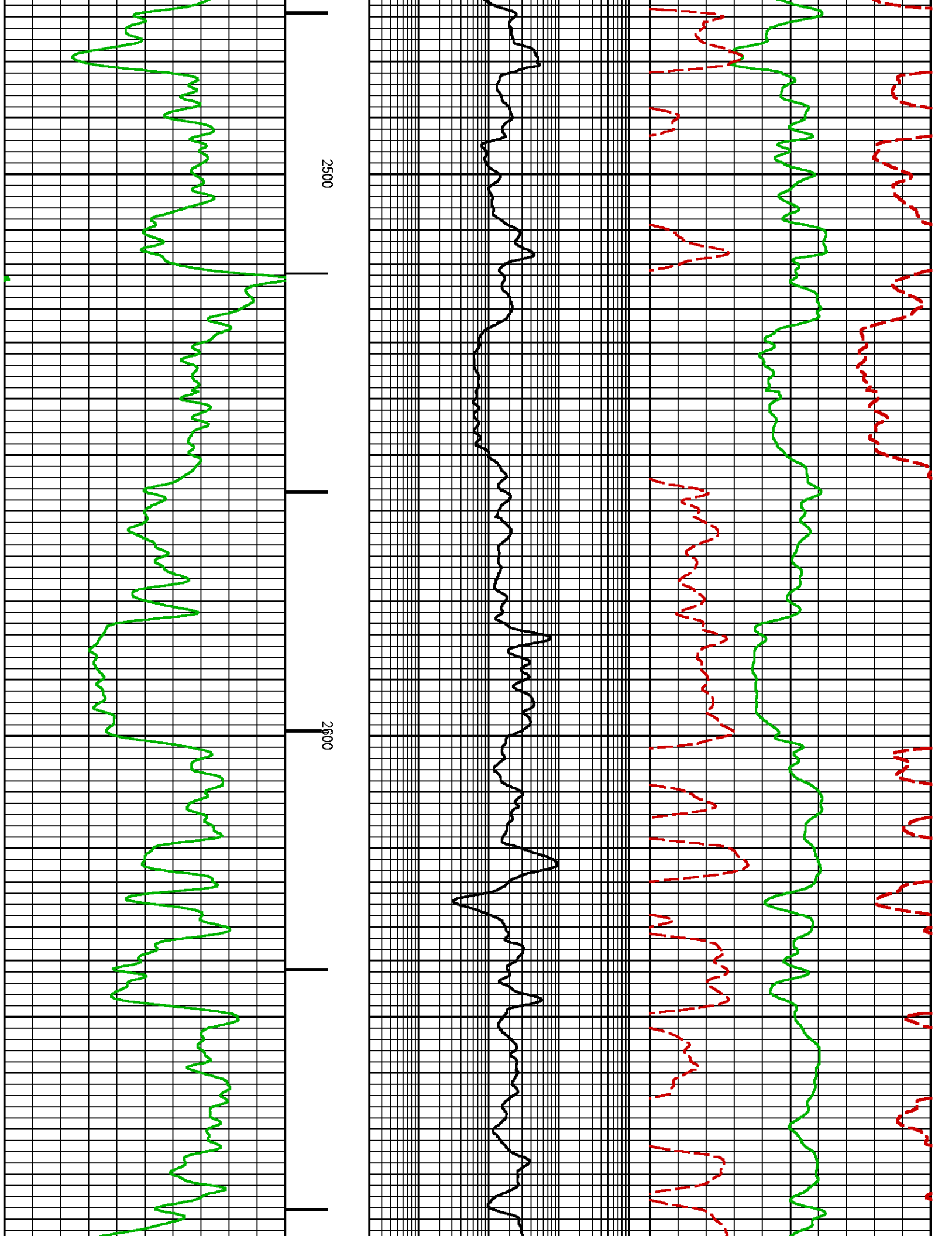


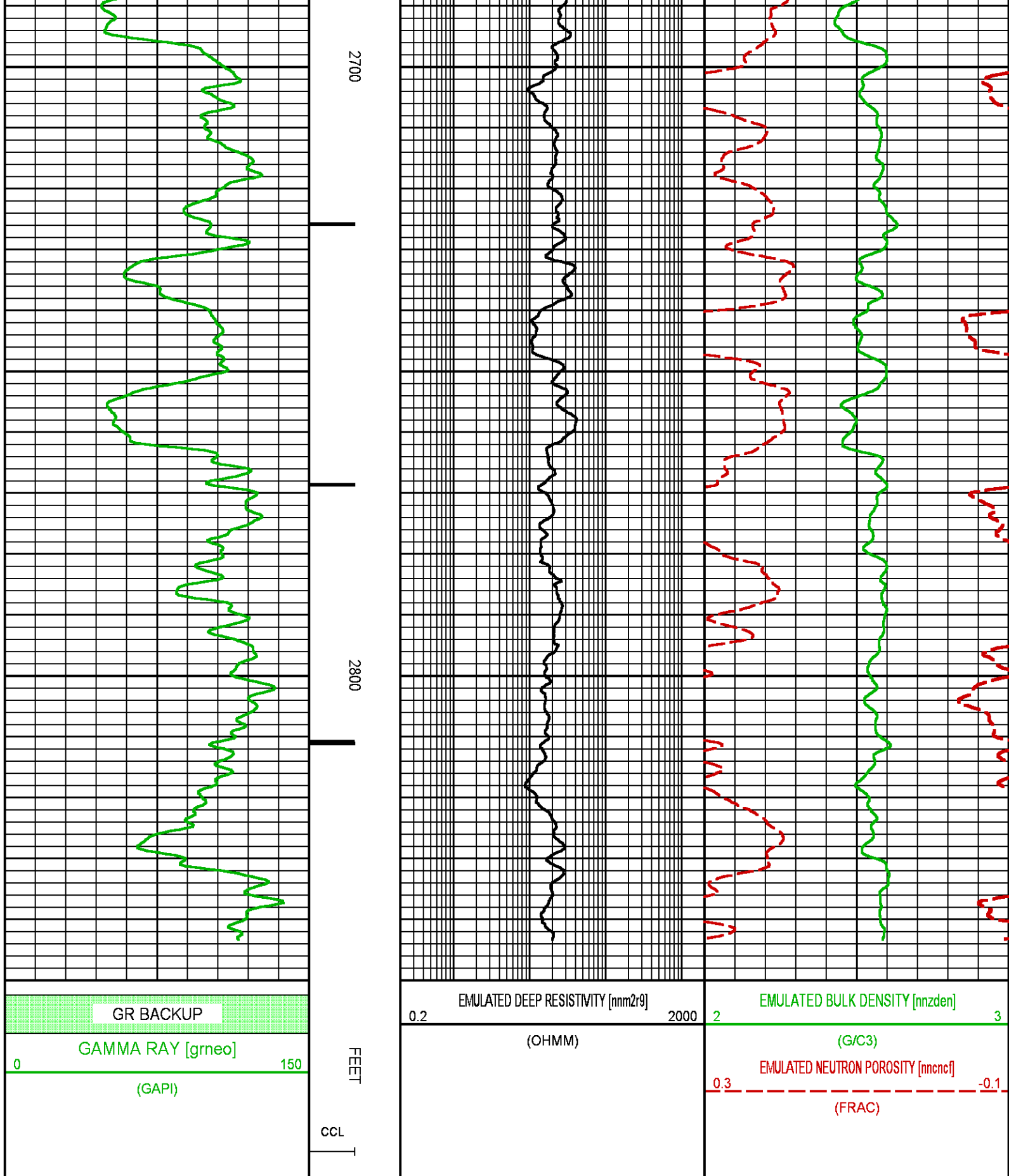


2300

2400







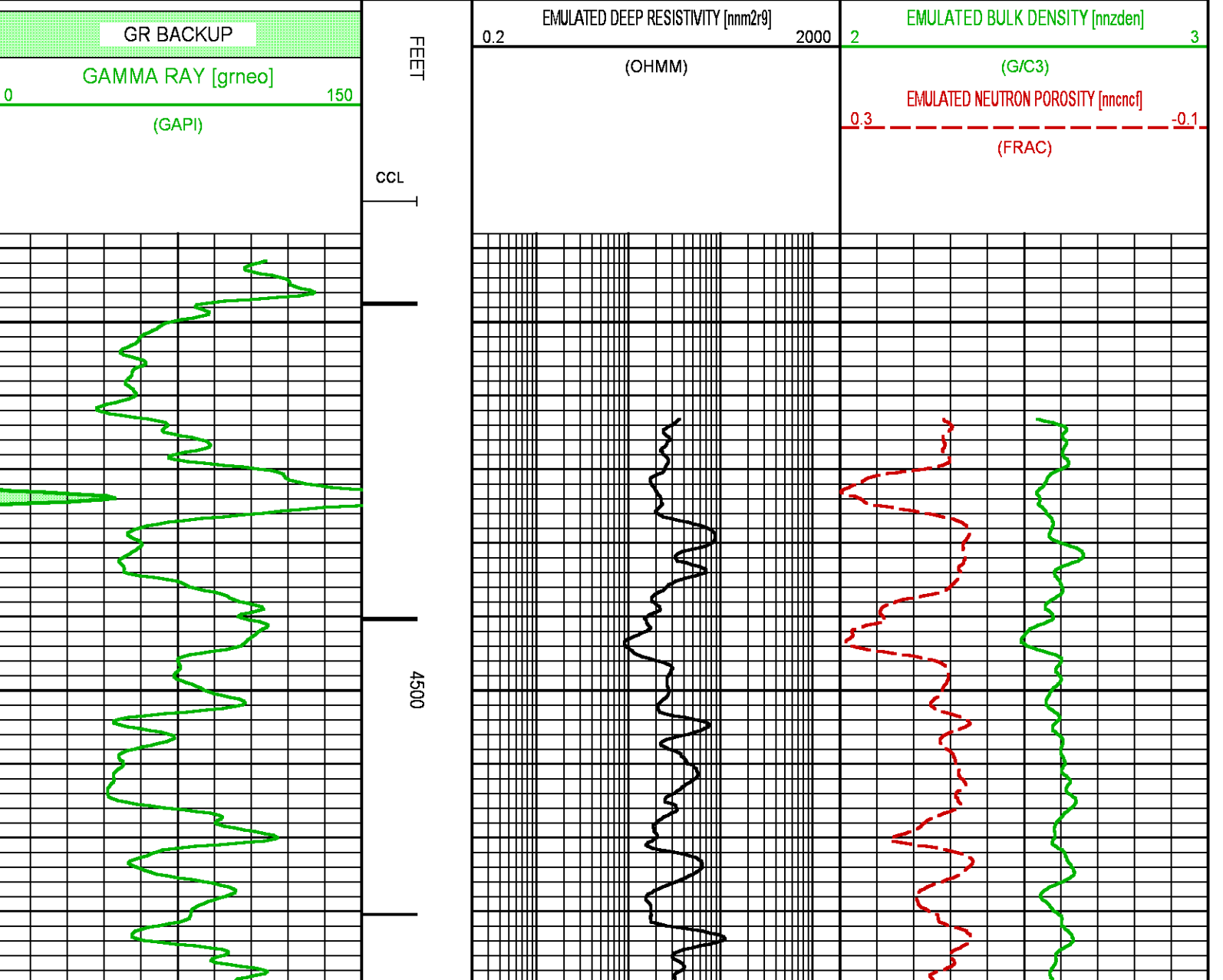
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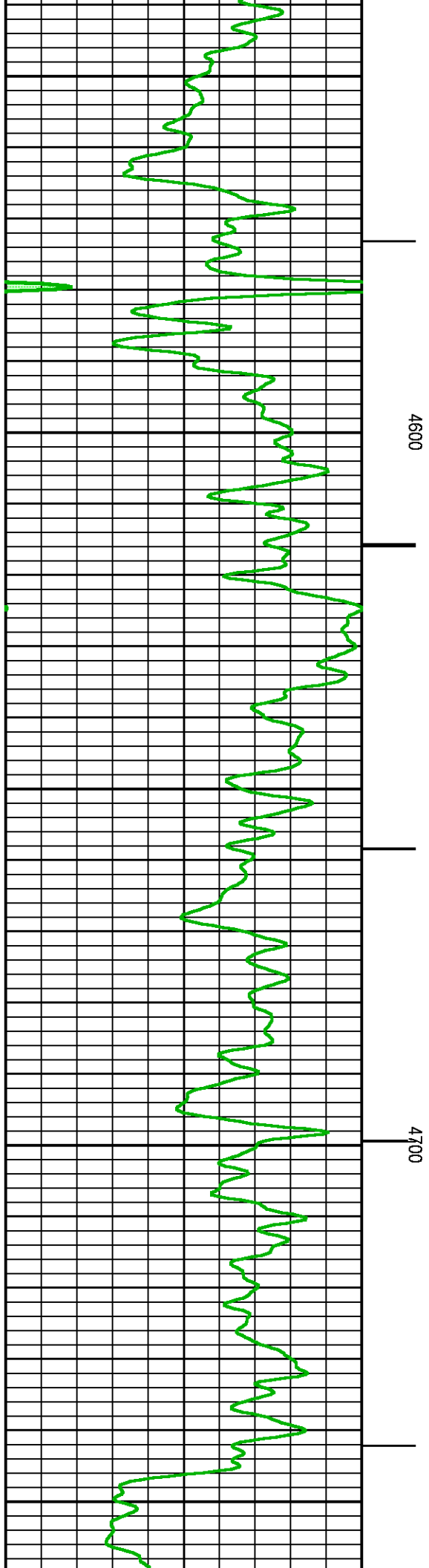
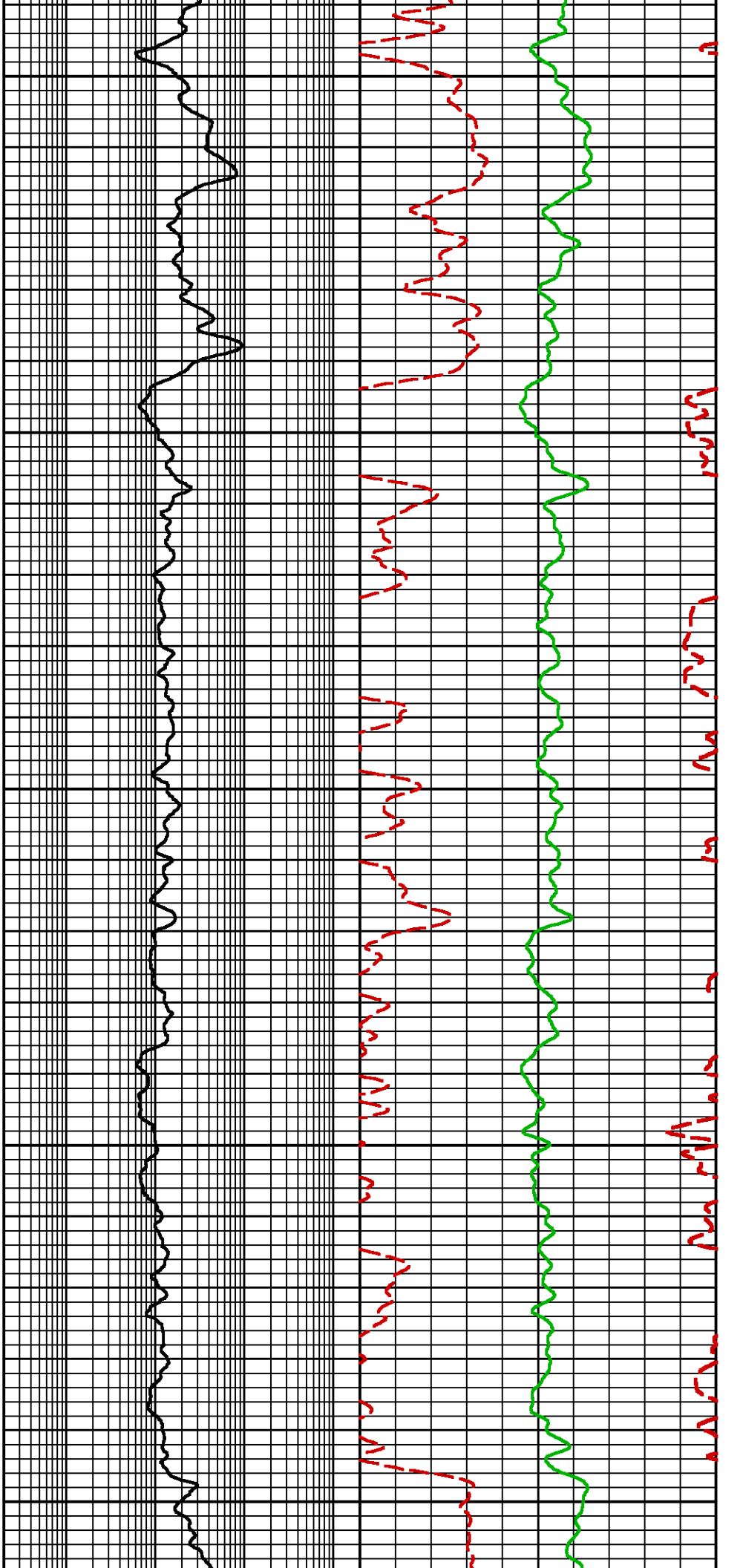
CURVE MEASURE POINT OFFSET

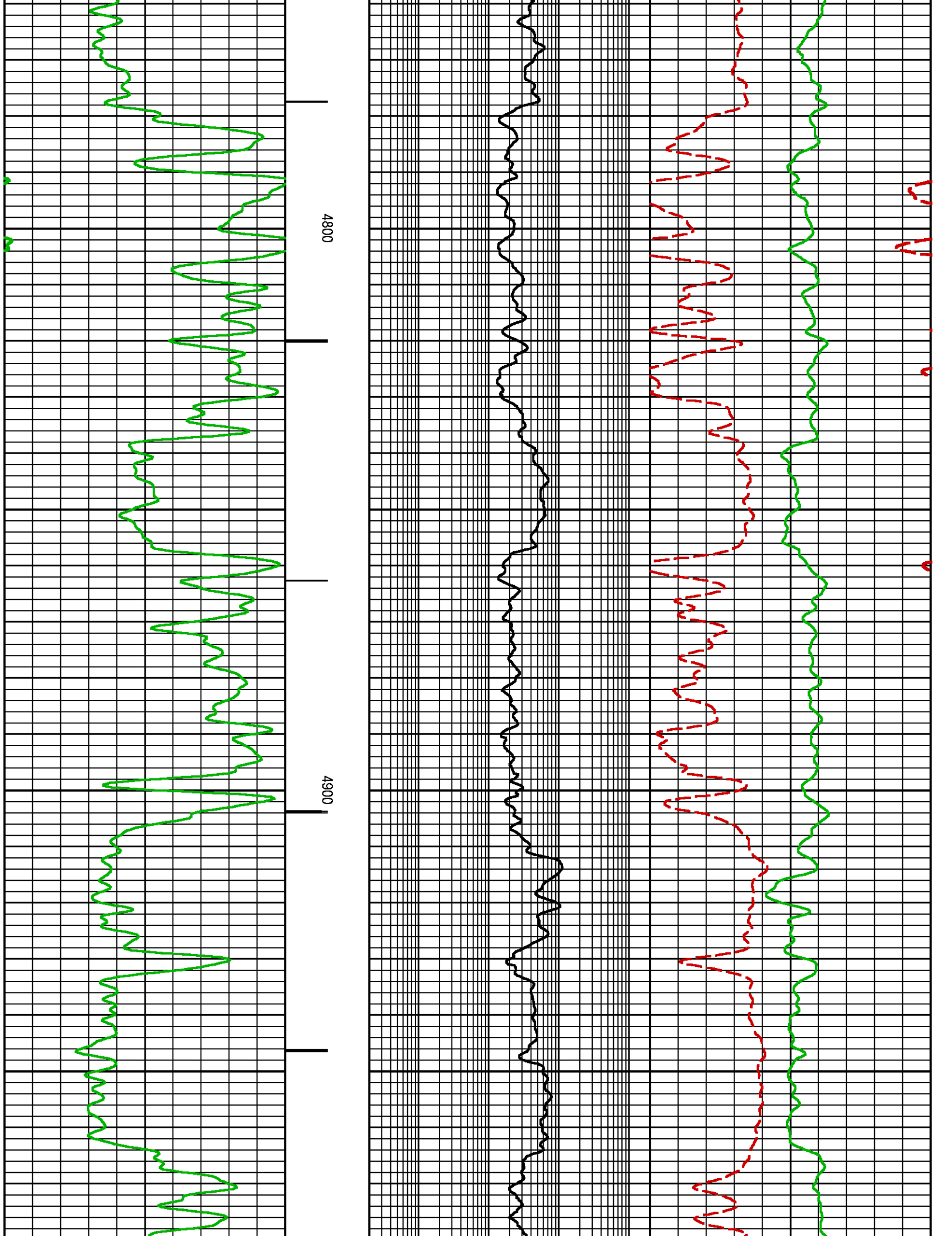
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

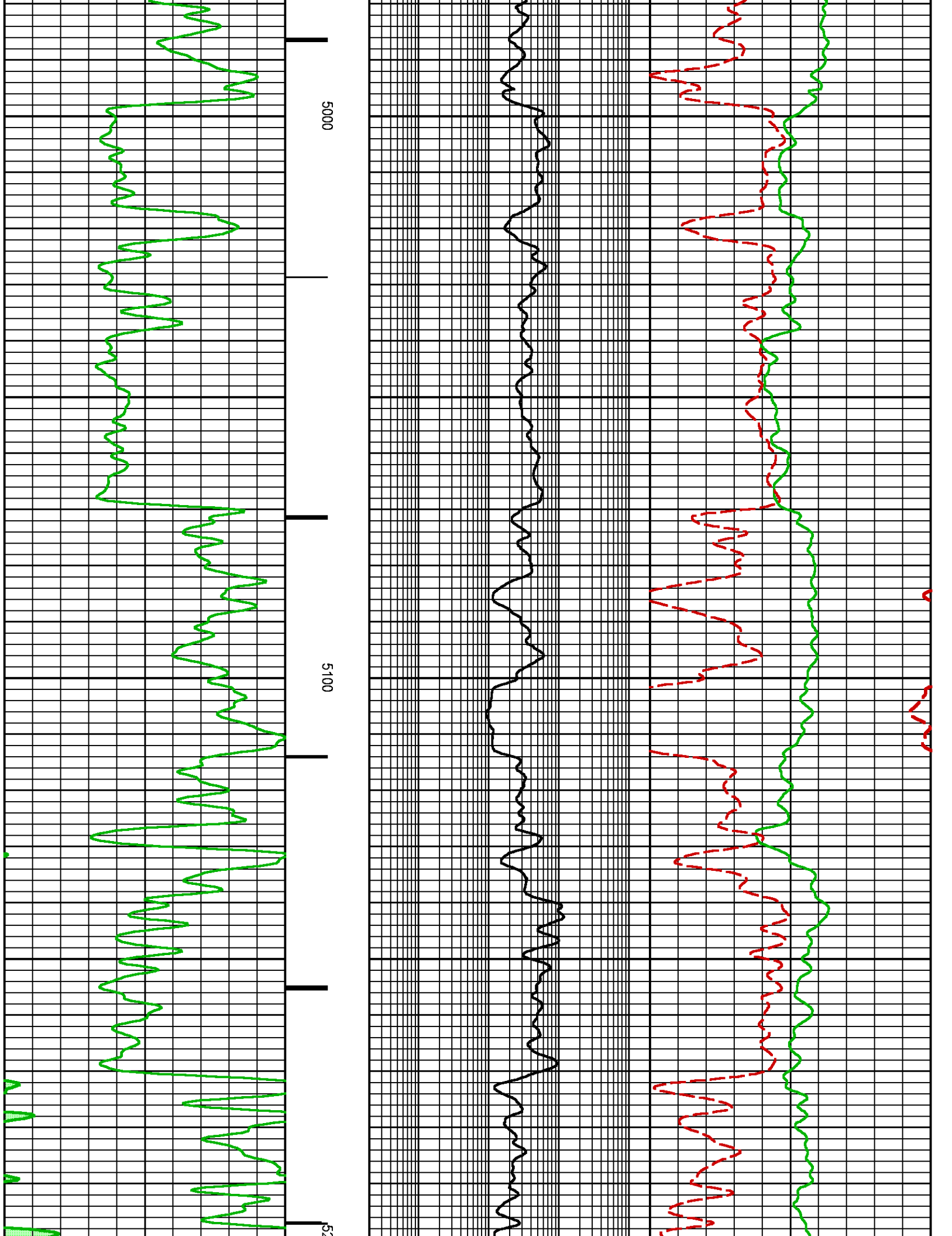
Project : NA
User : kotoale
Presentation : BH11F65XZ1:d:\Ape_Projects\LARAMIE_NICHOLS_0994_24_21W_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval : 4439 - 7885 Feet

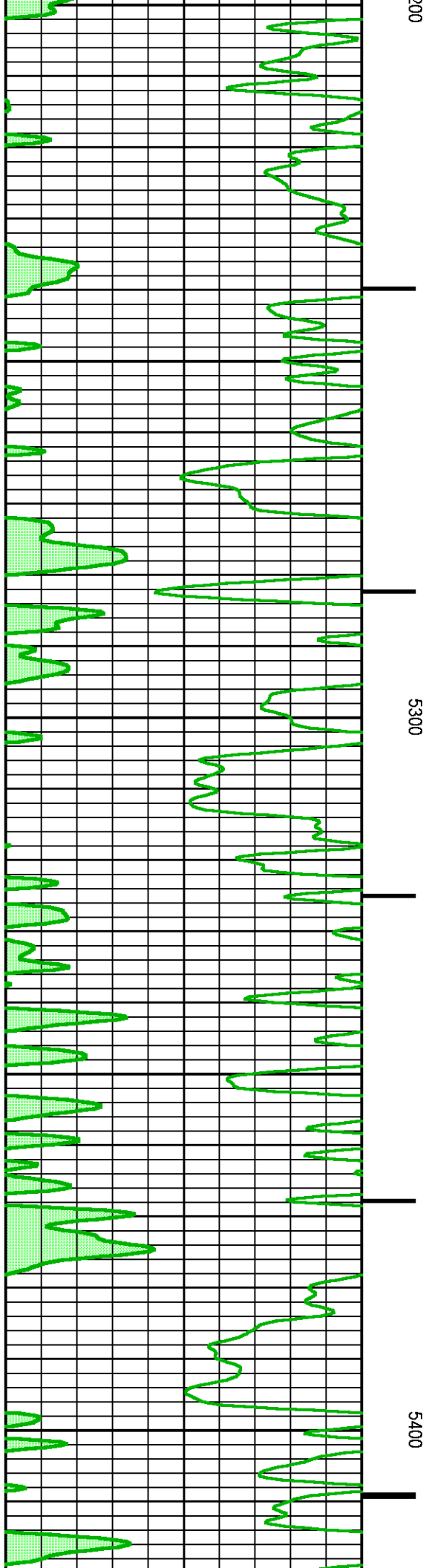
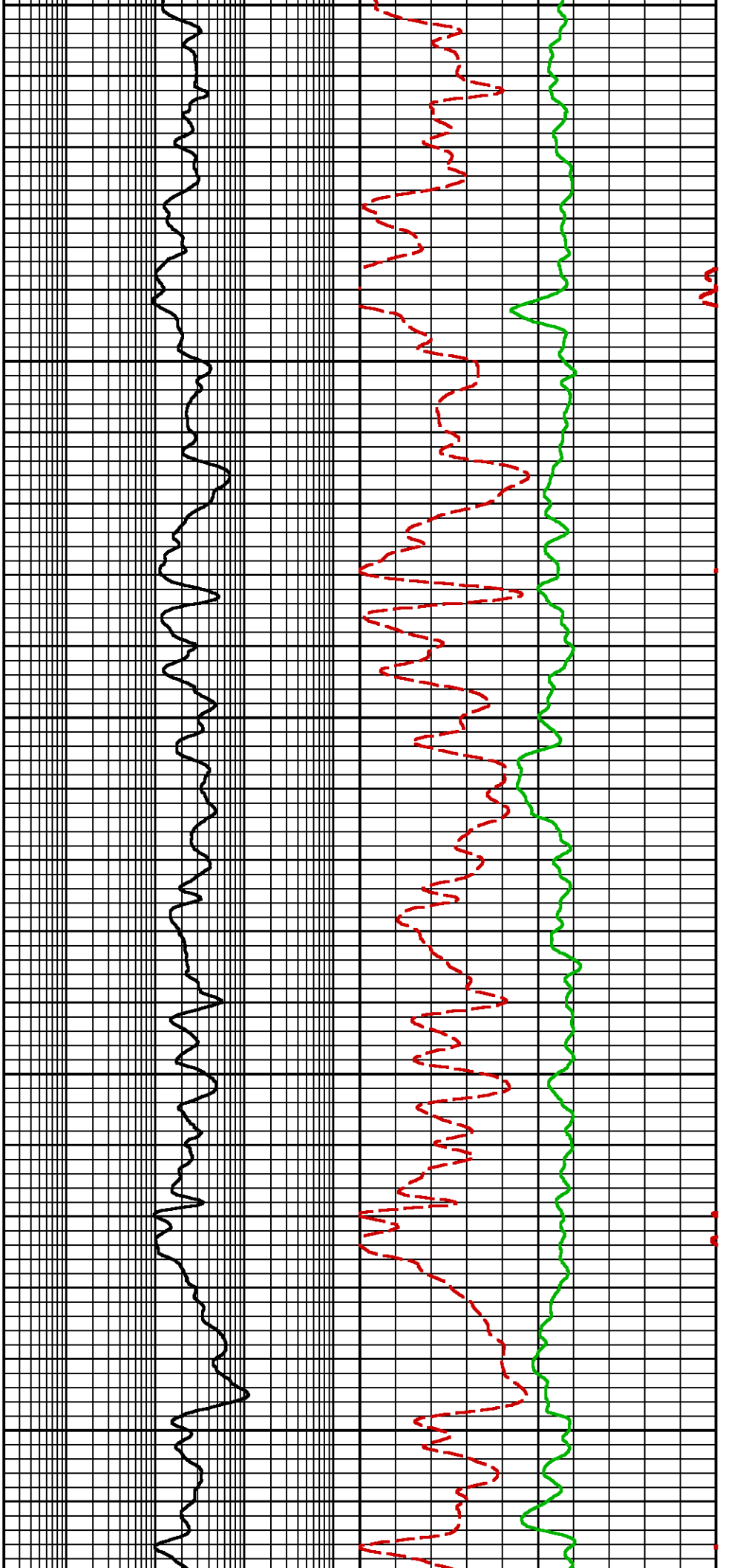
Data File 1 : F1 : BH11F65XZ1:D:\Ape_Projects\LARAMIE_NICHOLS_0994_24_21W_NEO\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : NICHOLS 0994-24-21W
Field : VEGA
File Interval : 2195 - 7878 Feet
OCT : NA

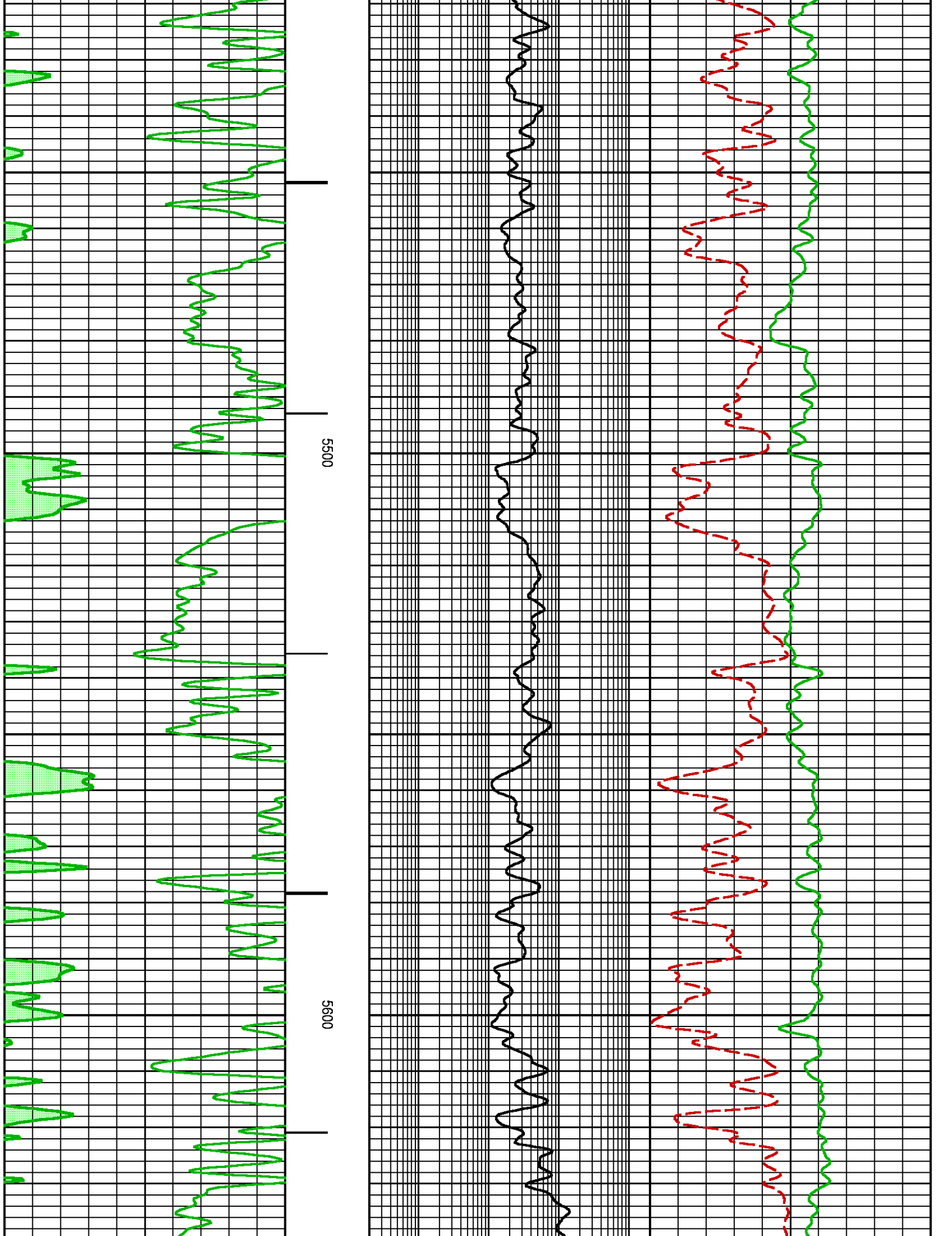


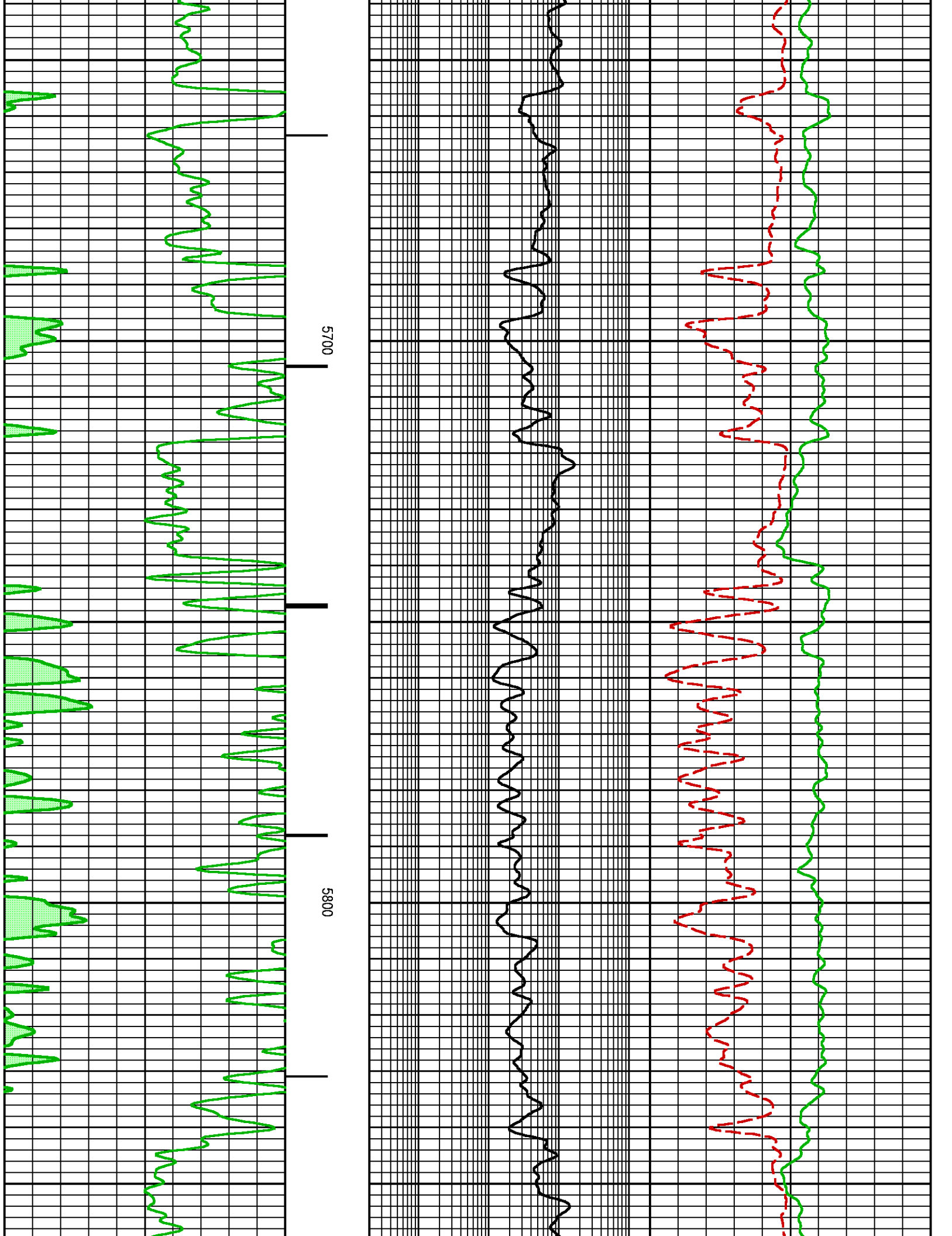


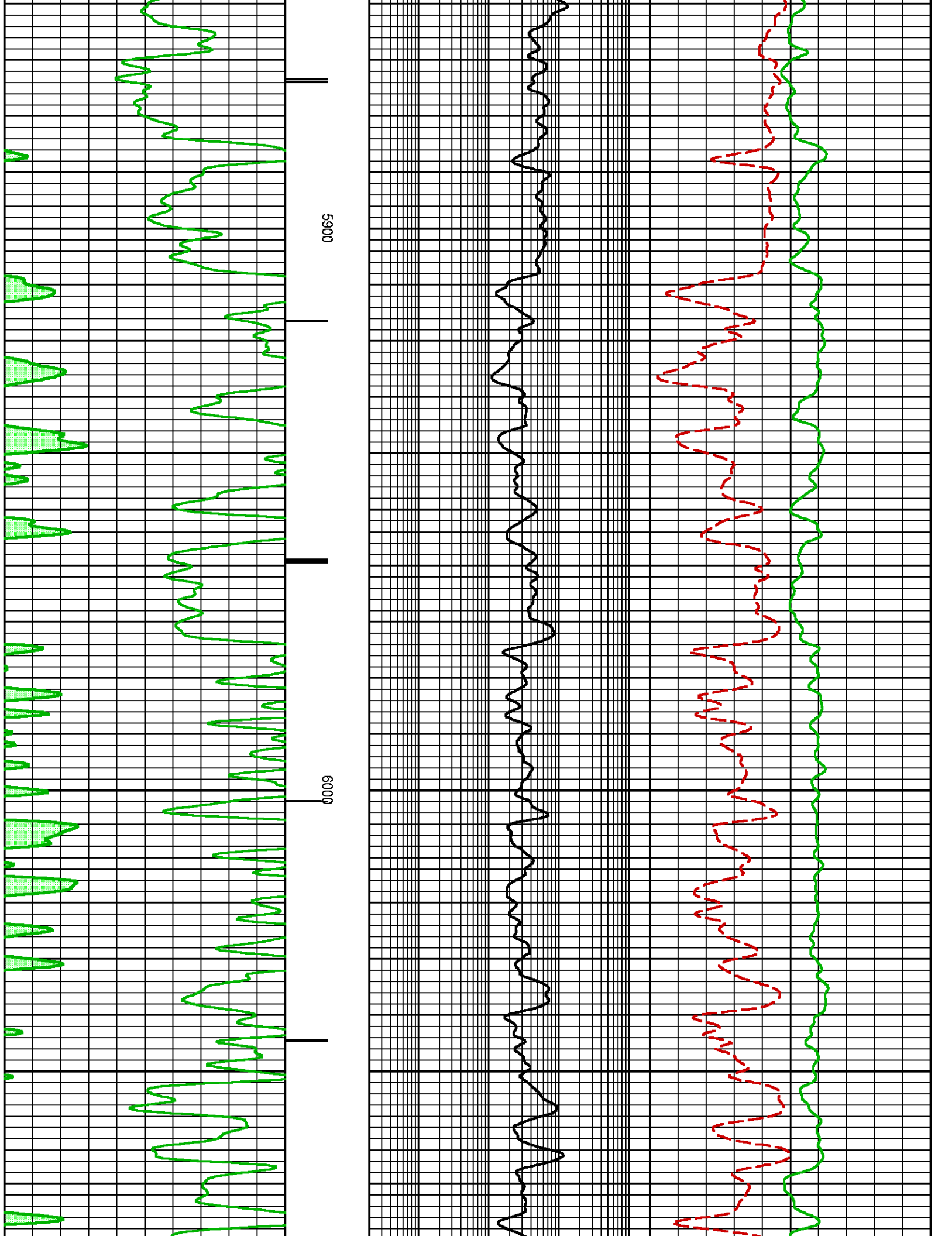


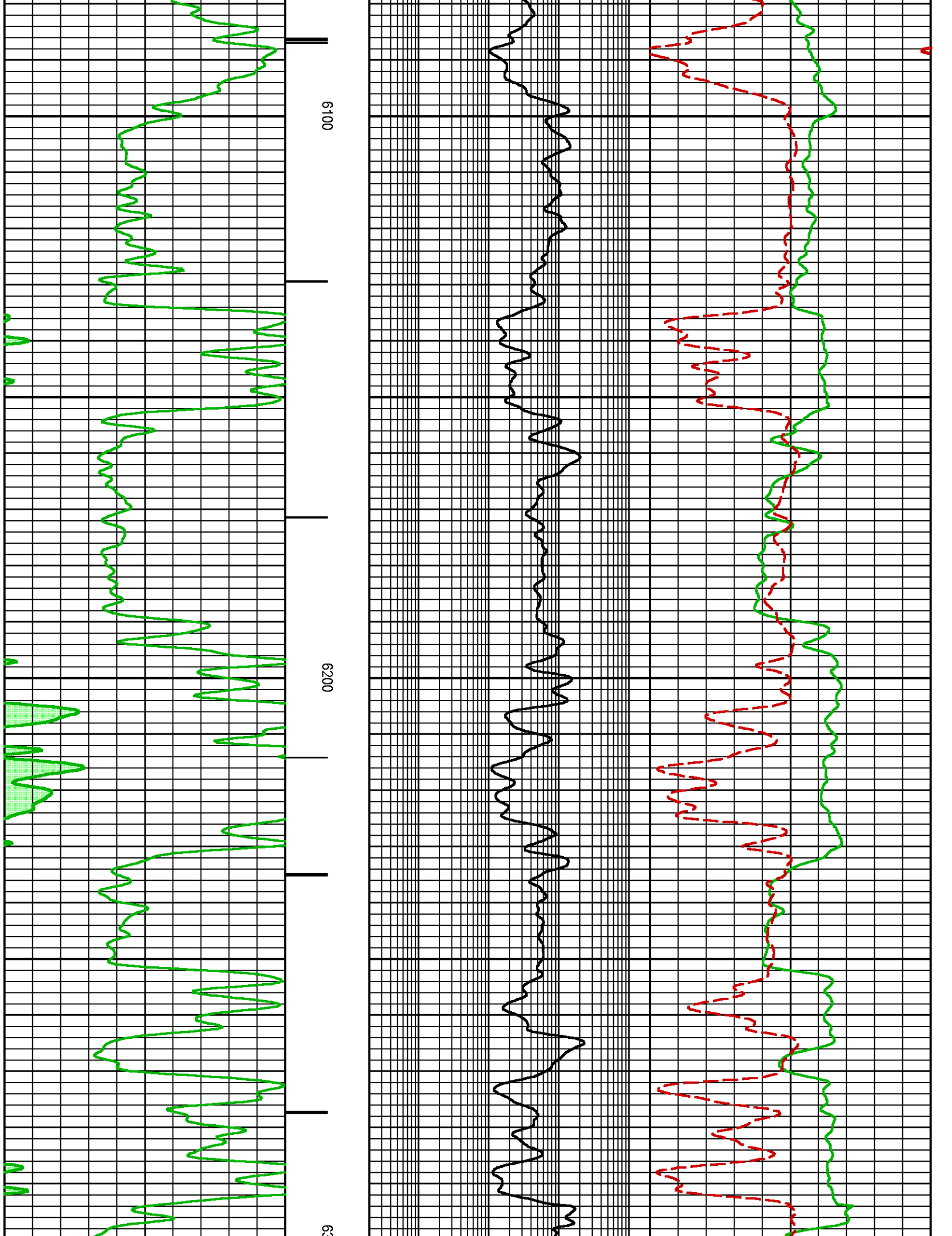


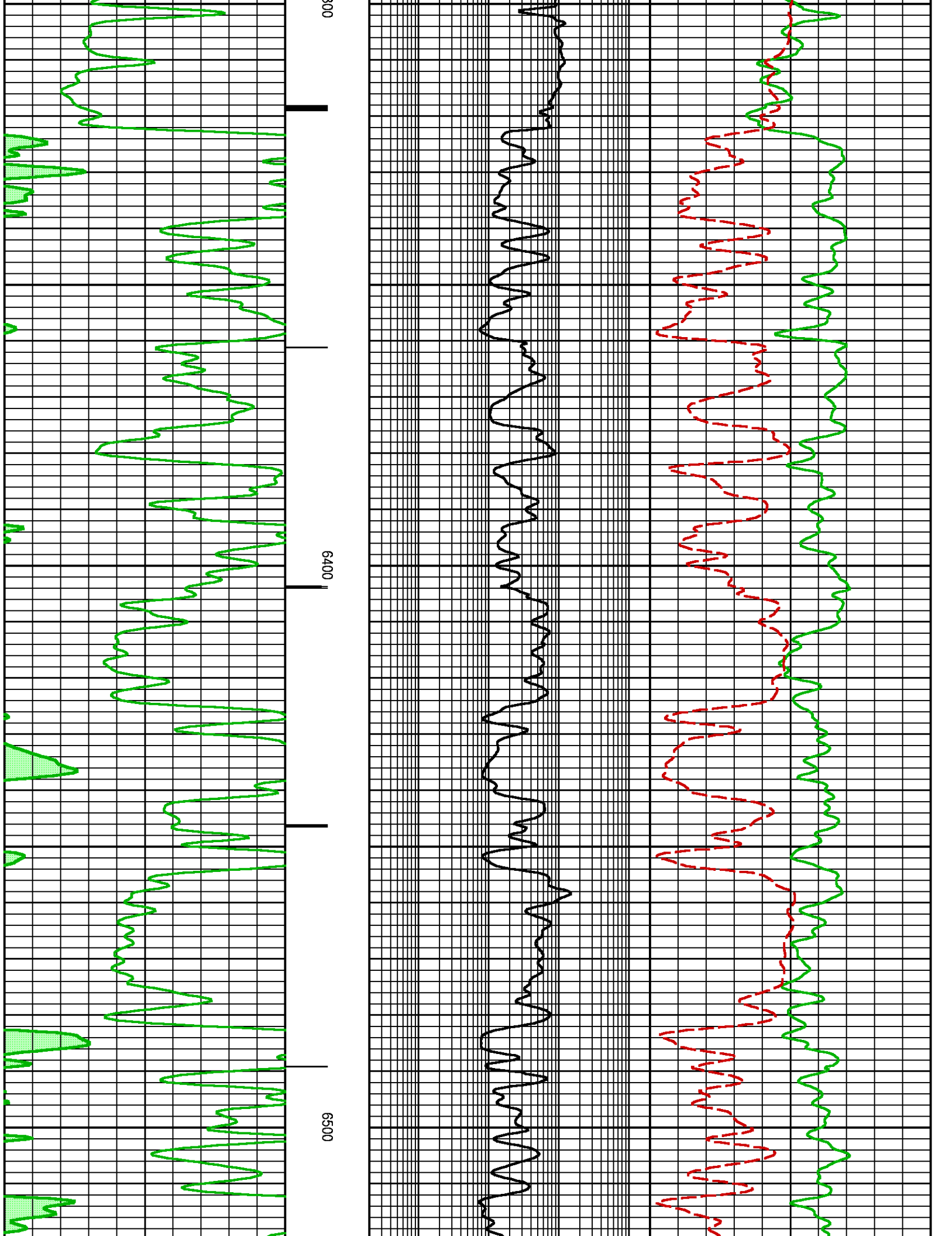


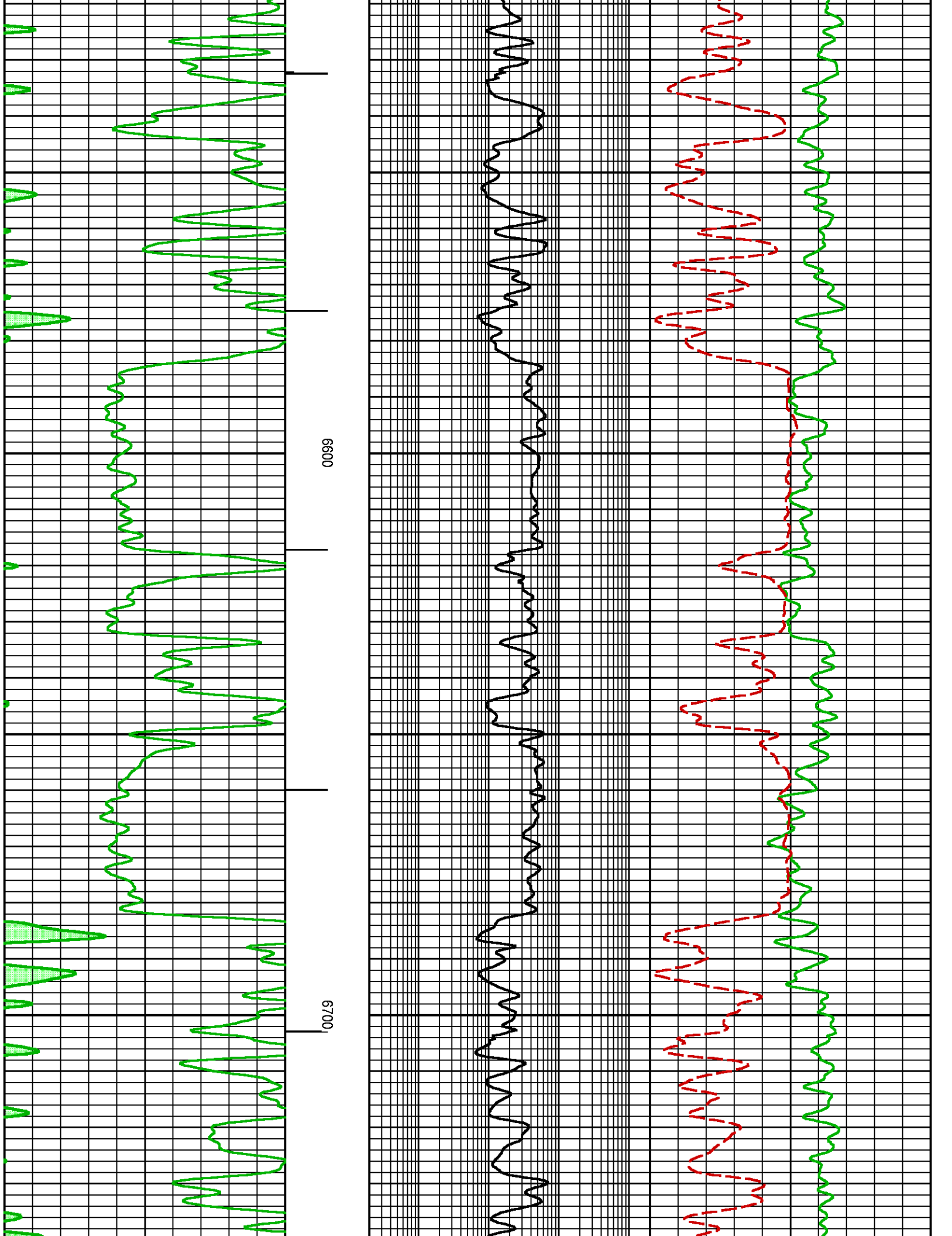


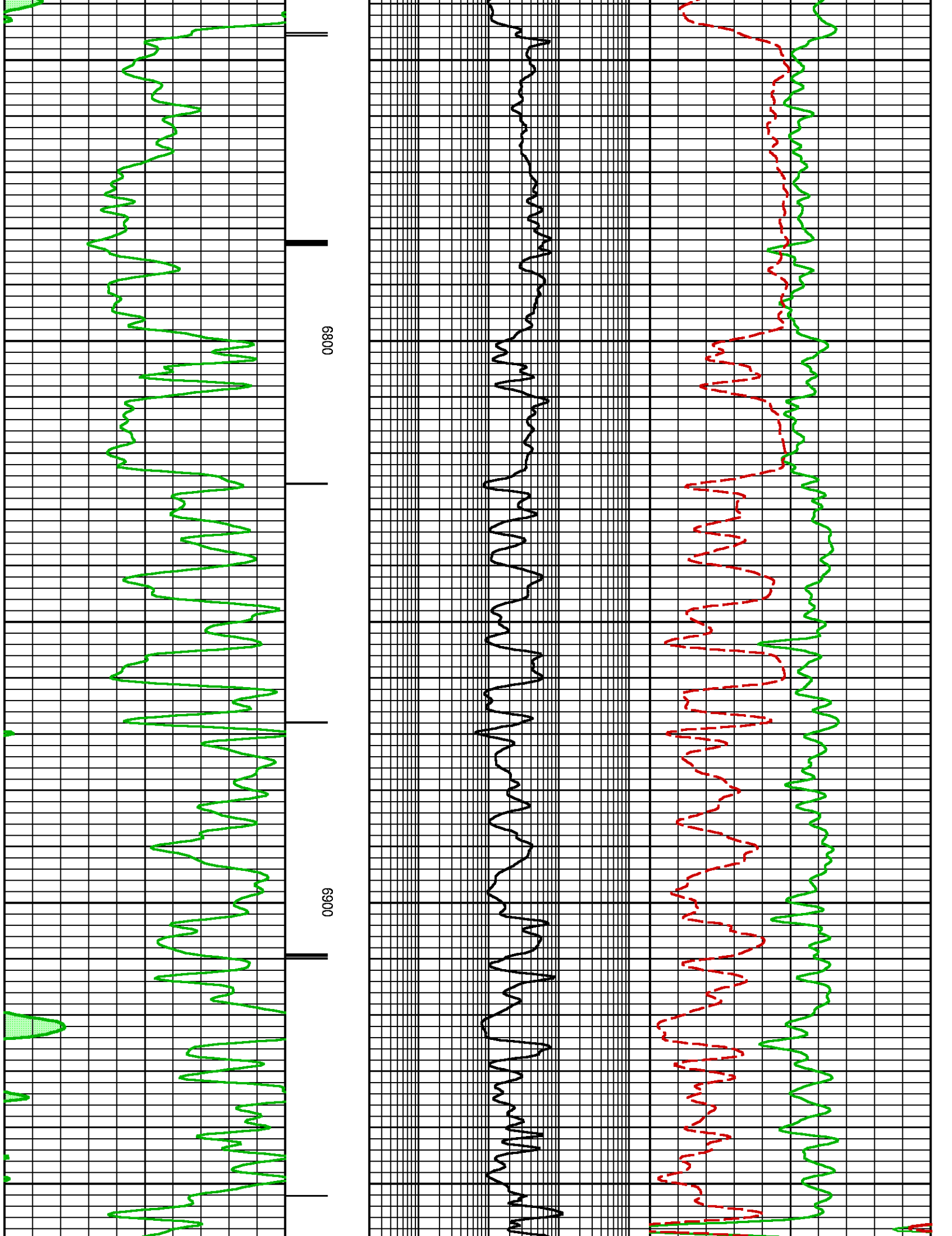


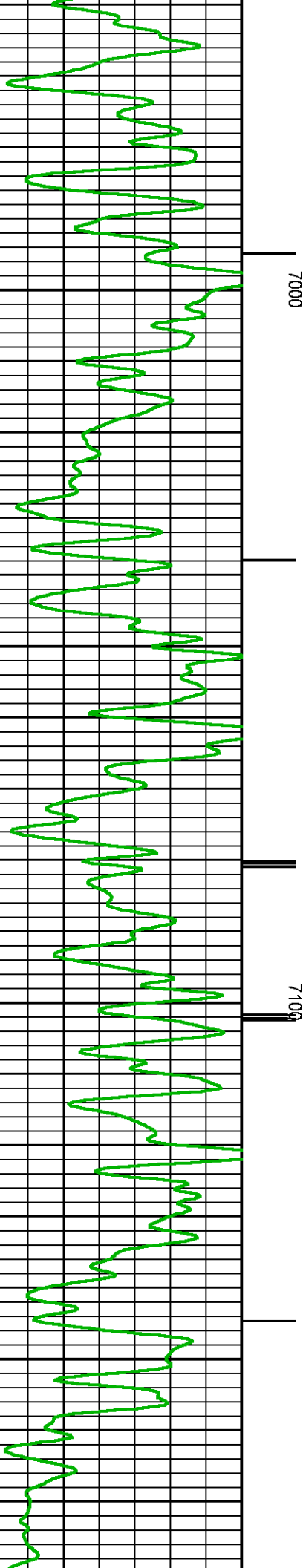
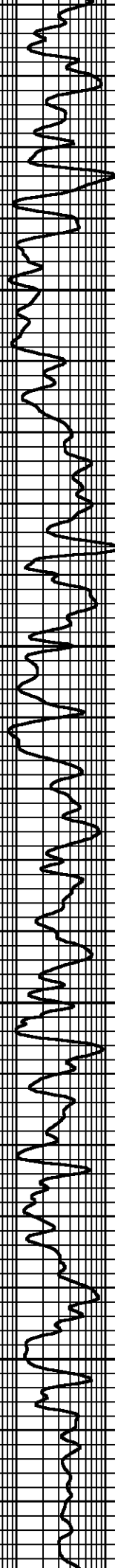
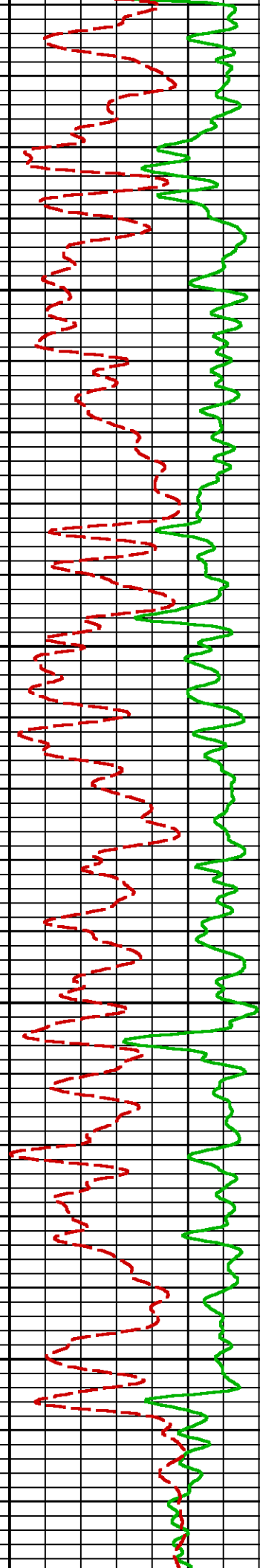






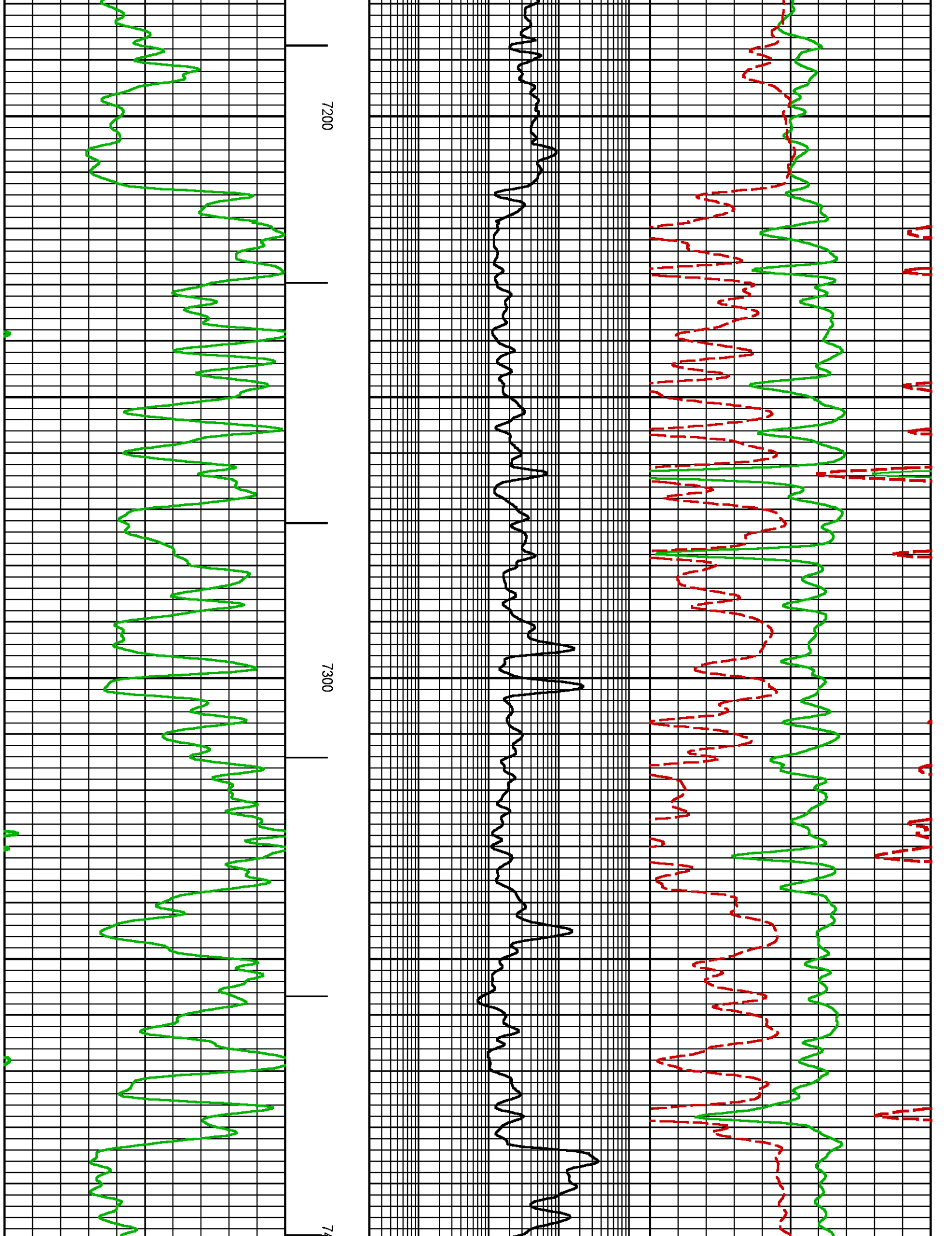


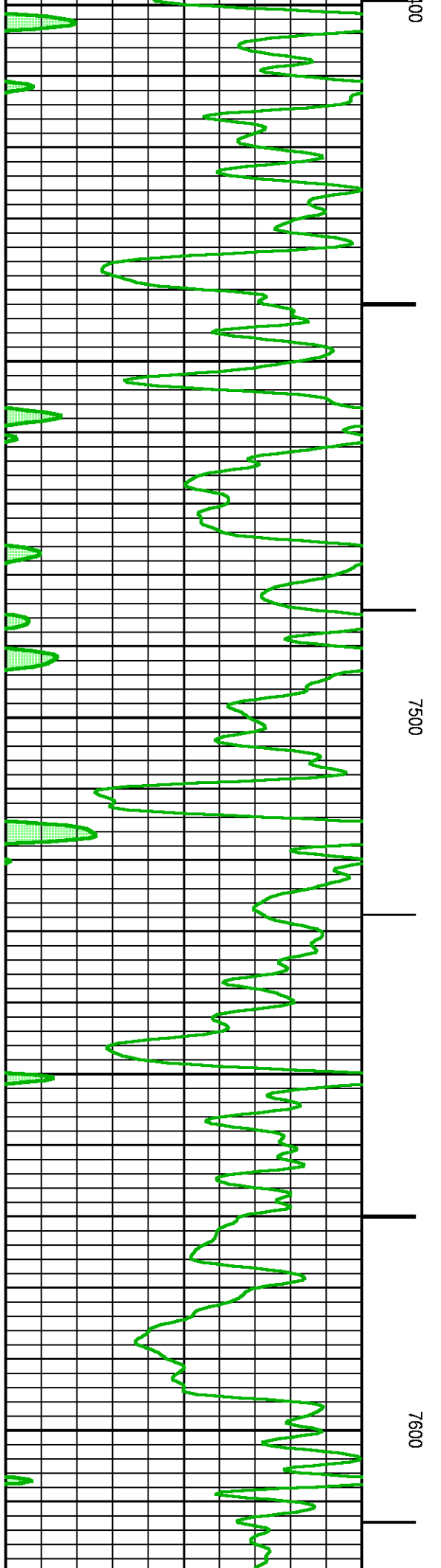
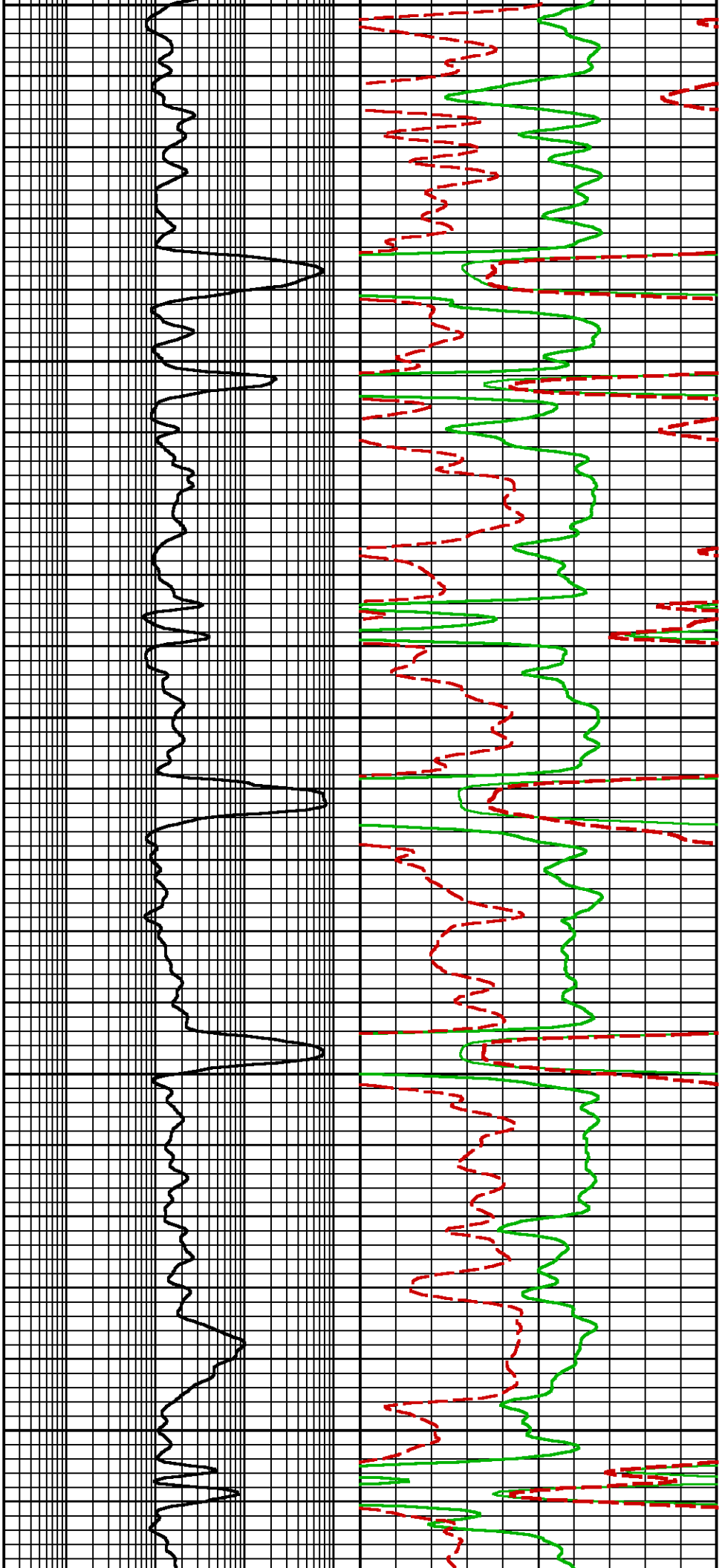


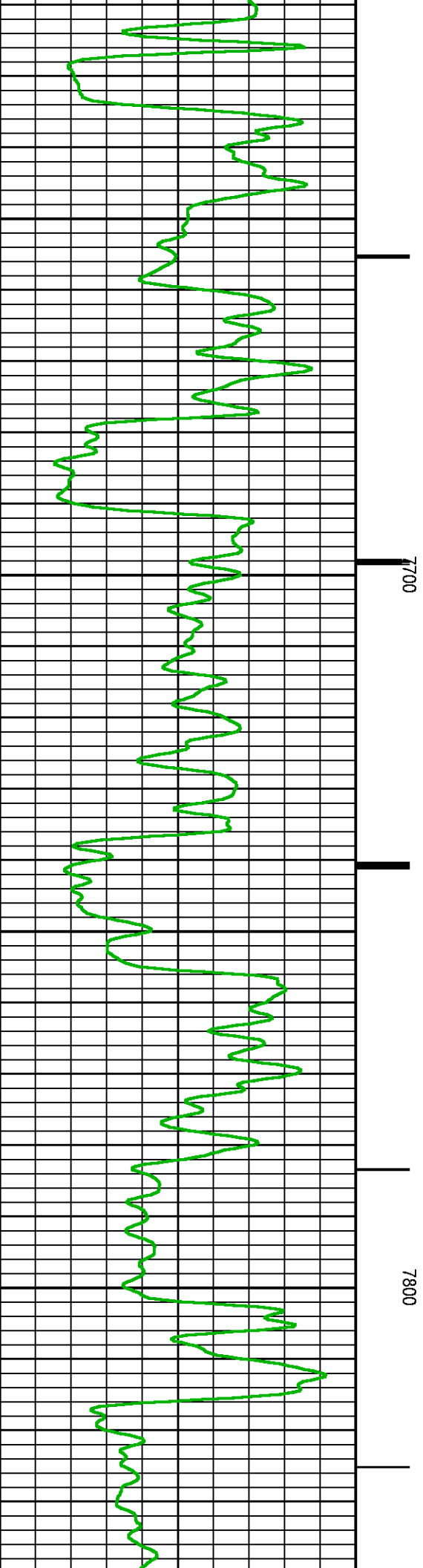
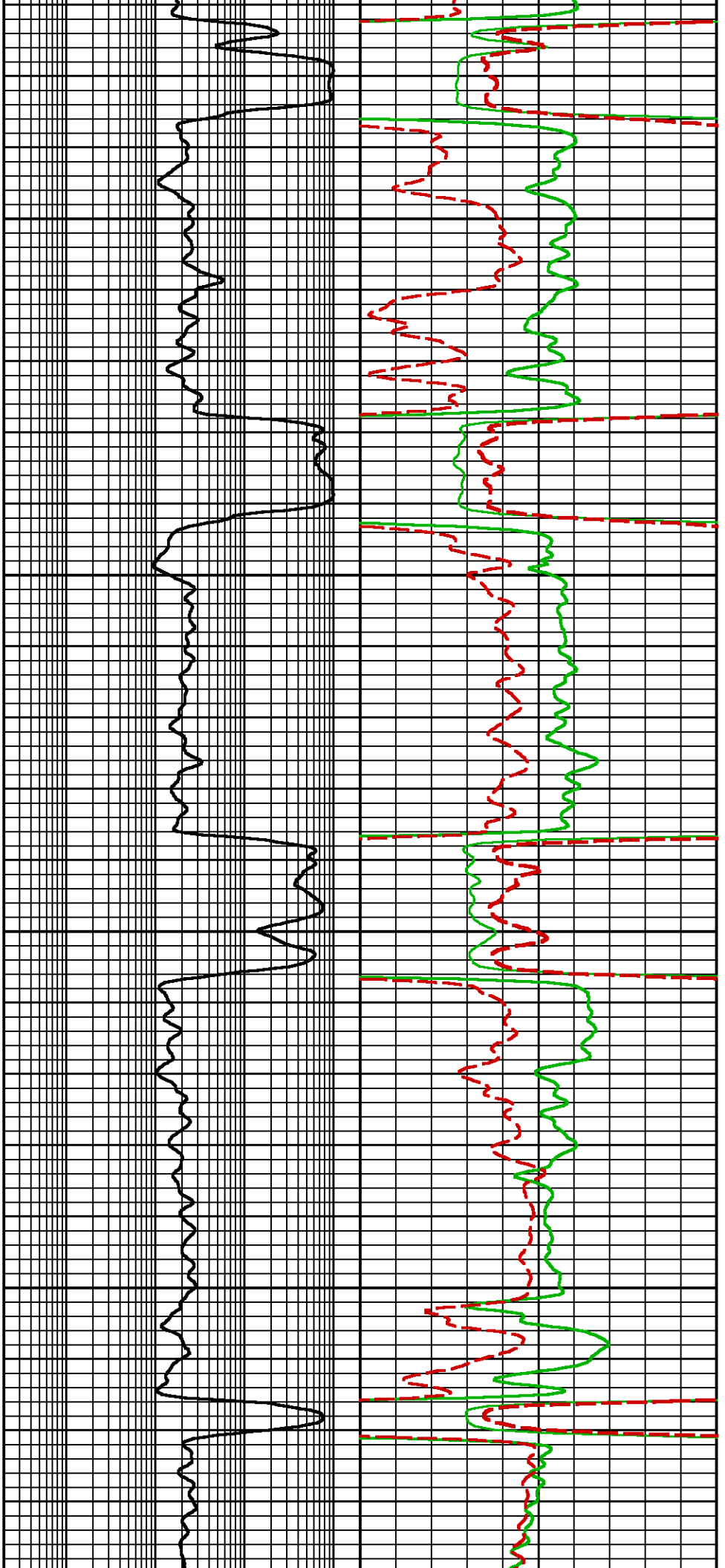


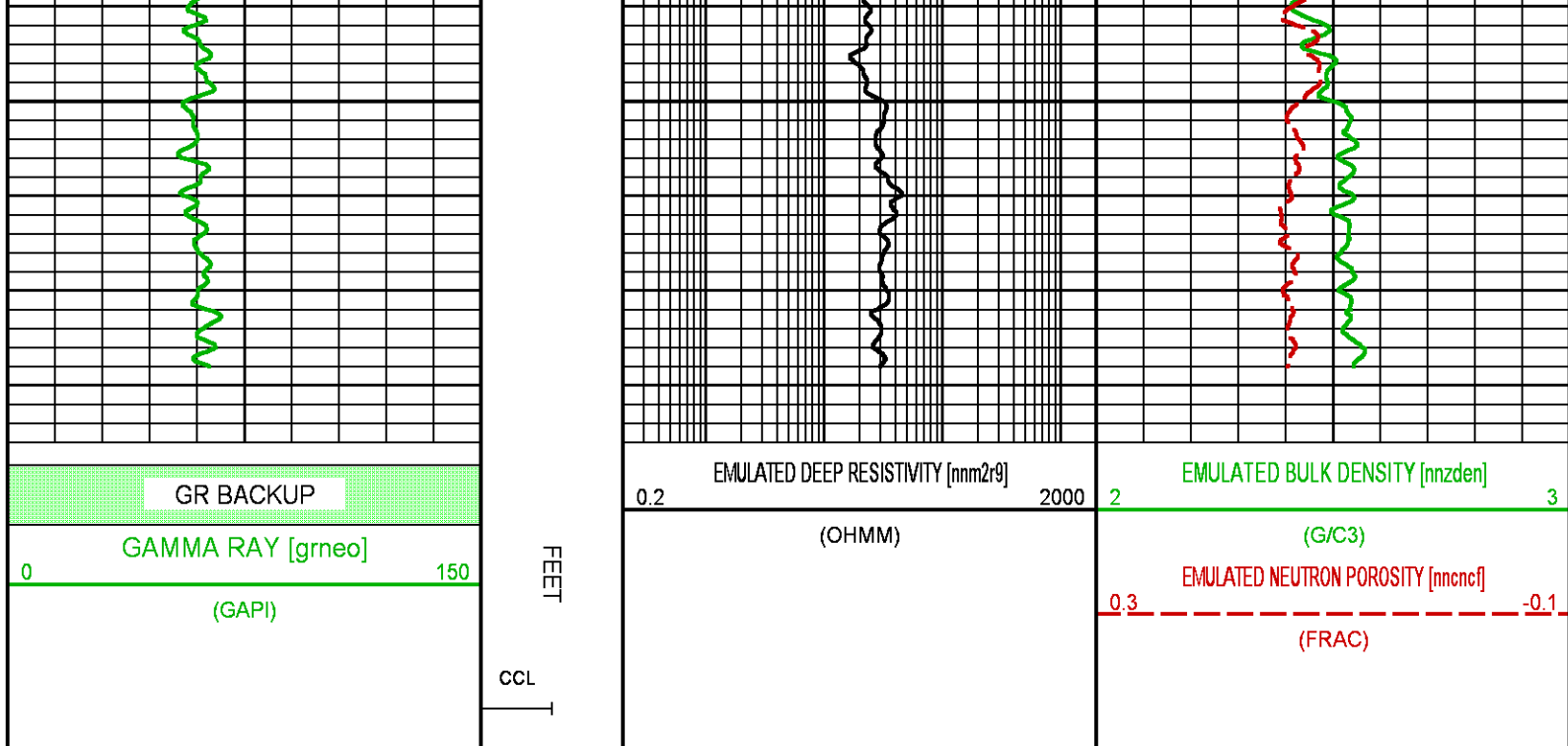
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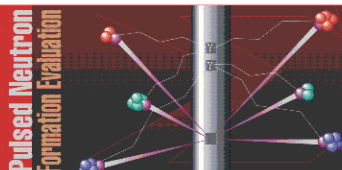
7100









 	COMPANY <u>LARAMIE ENERGY LLC</u> WELL <u>NICHOLS 0994-24-21W</u> FIELD <u>VEGA</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>	FILE NO: _____ API NO: <u>05077103990000</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>06-JUL-2018</u>	