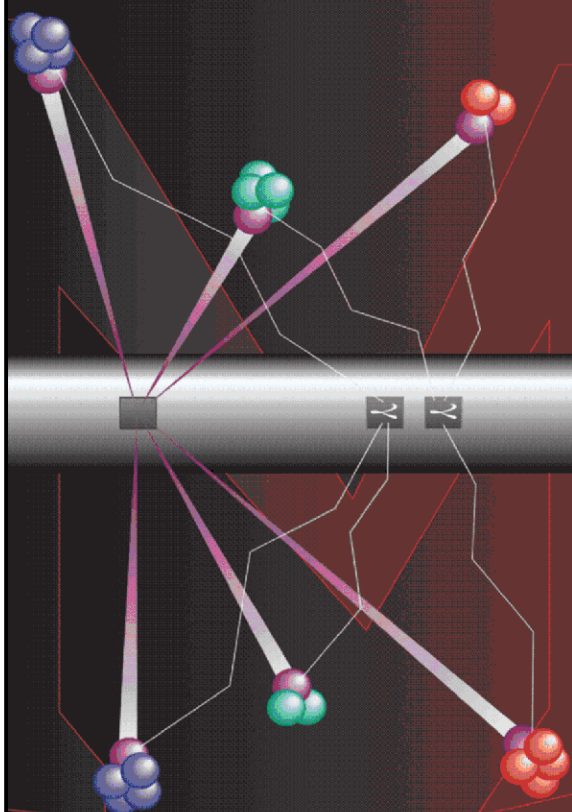




# Pulsed Neutron Formation Evaluation



## RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE FEDERAL 29-18E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS

LAT 39.248795 LONG -107.788006

ELEVATIONS:

KB 7561 FT DF GL 7531 FT

DATE 2-JUN-2017 ECC 27006.01

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>HOUSTON</u>	LOG ANALYST: <u>KIMBERLY ELLSWORTH</u>	DATE: <u>2-JUN-2017</u>
FIELD DATA	LOCATION: <u>WOODWARD</u>	ENGINEER: <u>S. YASSA</u>	DATE: <u>30-MAY-2017</u>
FROM	TO		
<u>2450 FT</u>	<u>7840 FT</u>		

### REMARKS

LOCATION: SHL: LAT: 39.248795N LONG: 107.788006W  
BHL: LAT: 39.243580N LONG: 107.788356W

TRAINING WELL:  
GUNDERSON 29-11E

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

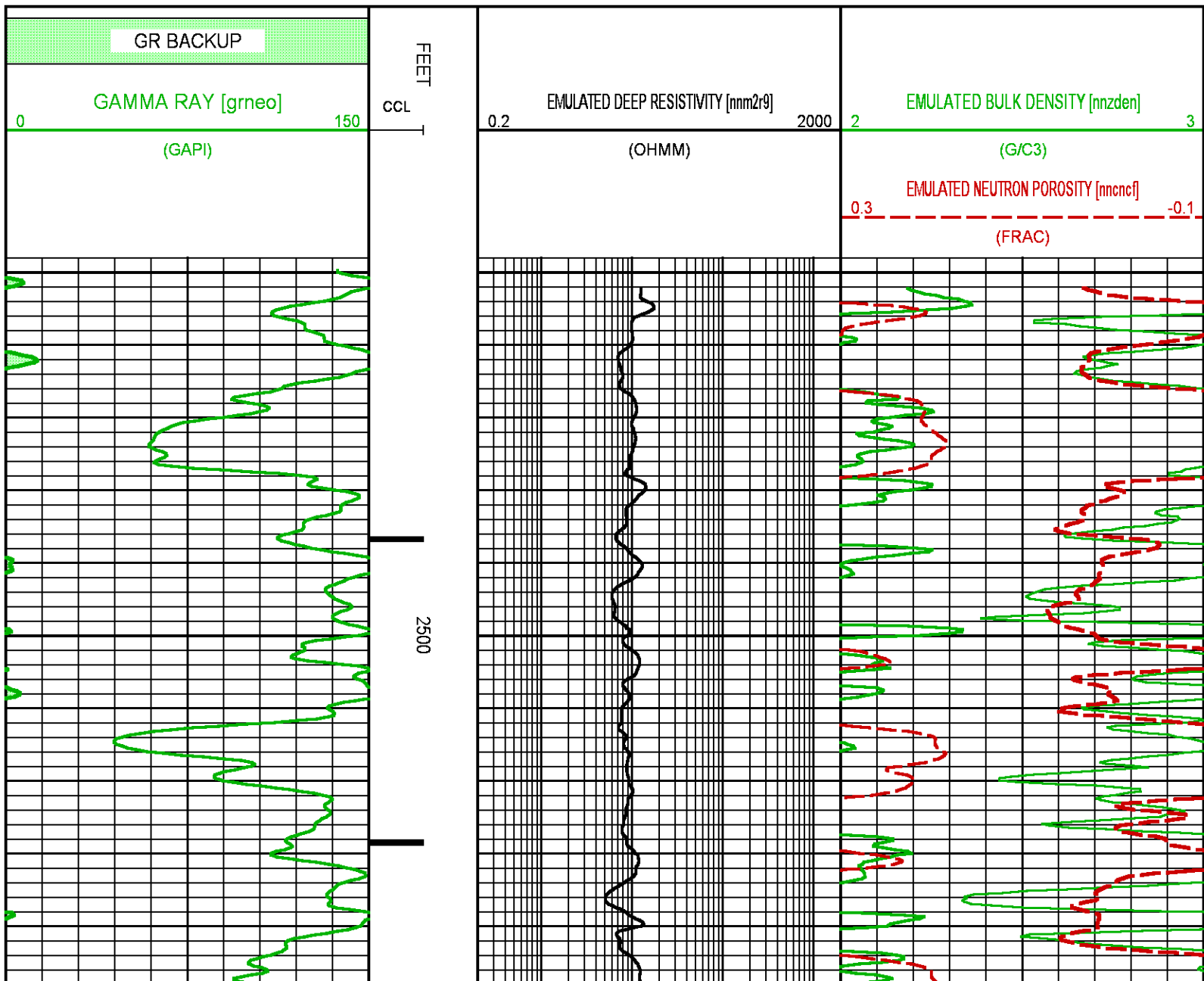
BOND LOG IS DEPTH REFERENCE LOG

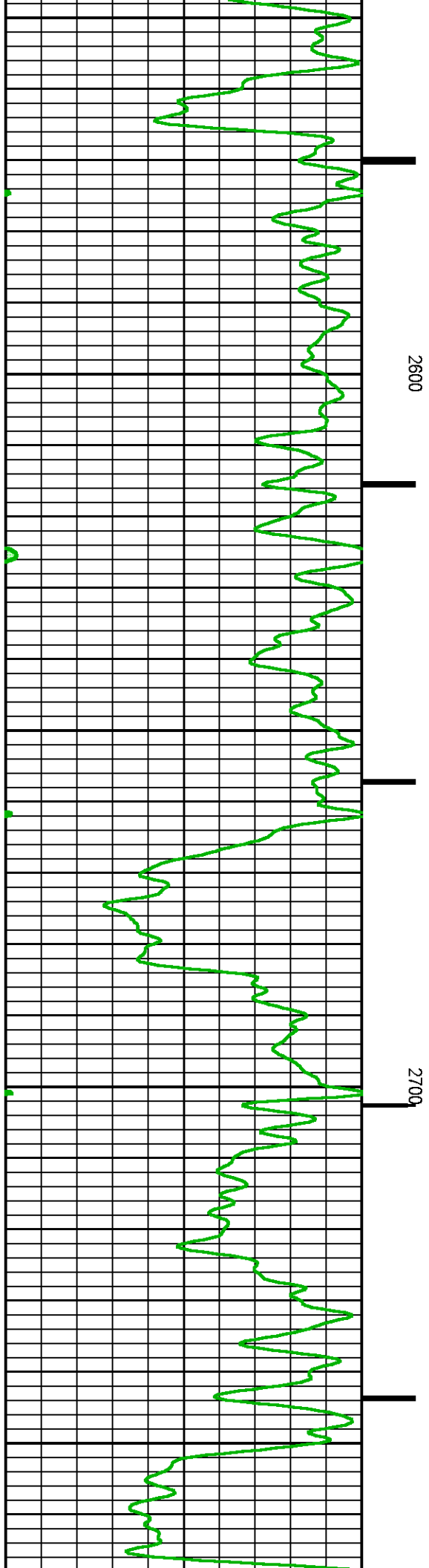
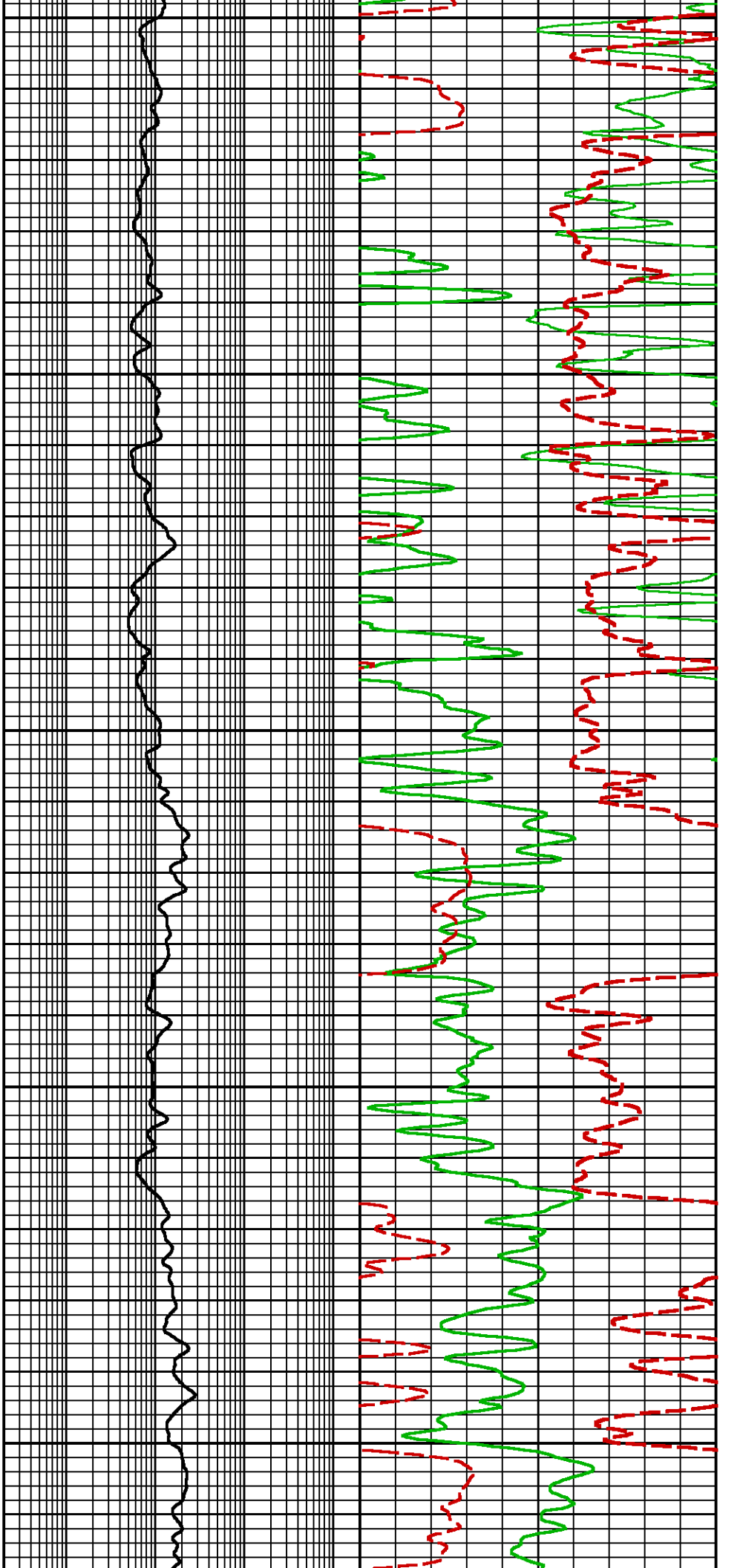
GEOLOGICIST: KIMBERLY ELLSWORTH

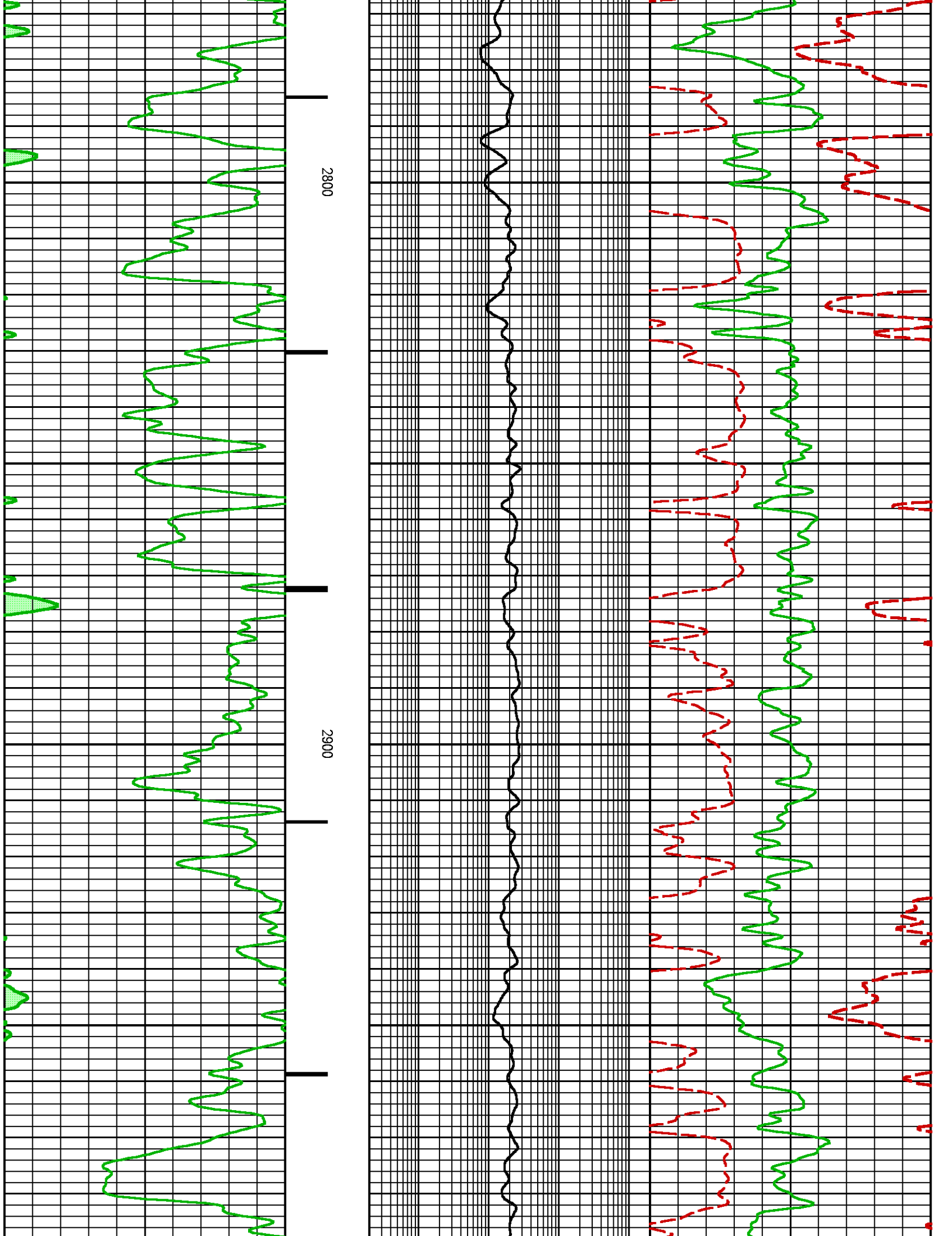
## NEO RESULTS FOR PICEANCE FEDERAL 29-18E (G-SAND)

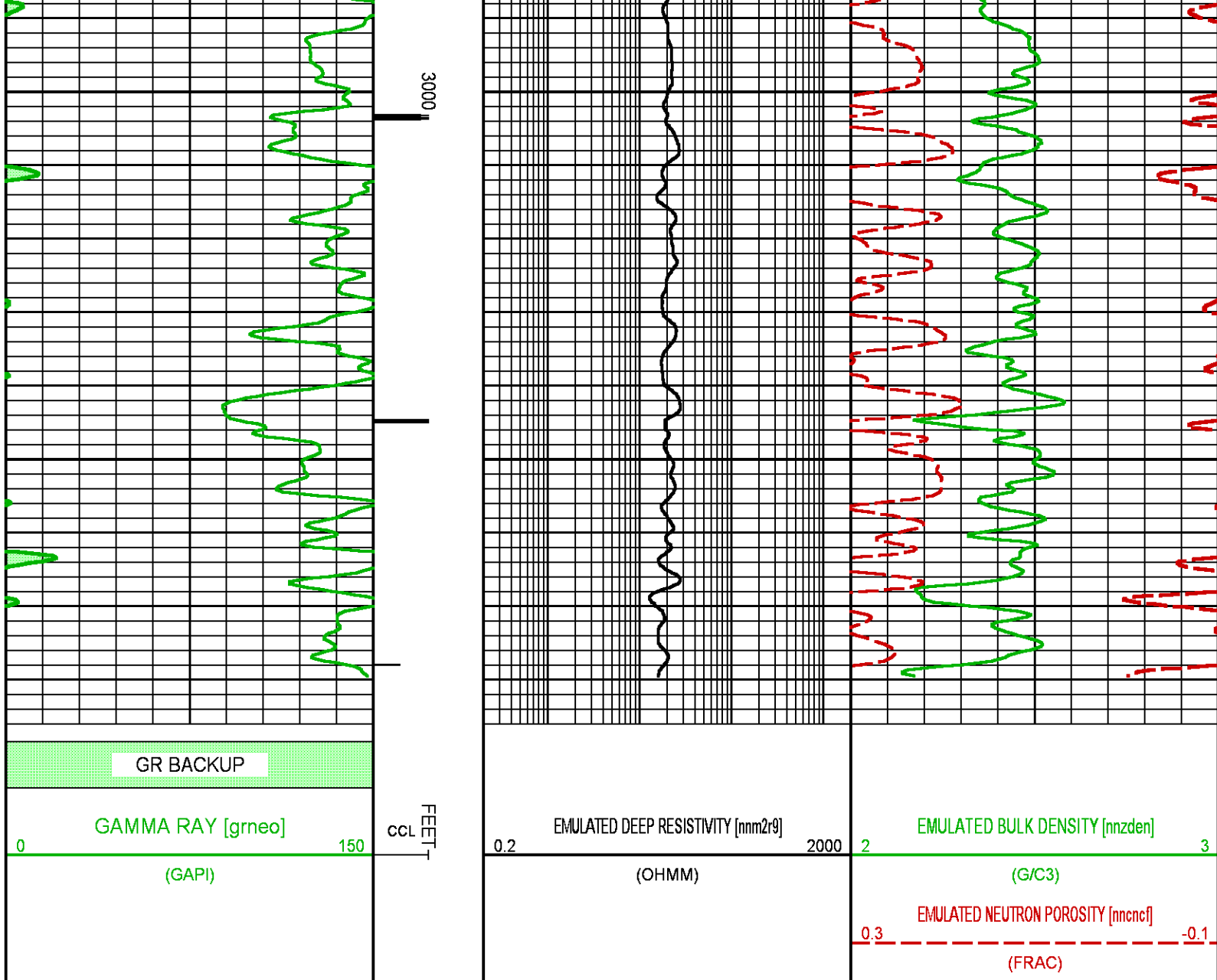
Project : NA  
User : ellskima  
Presentation : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_18e\NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
Plot Interval : 2449.75 - 3085 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_18e\Merged\_Set\_Final.xtf  
Created On : N/A  
Company : LARAMIE ENERGY  
Well : PICEANCE FEDERAL 29-18E  
Field : VEGA  
File Interval : 2449.75 - 7839.75 Feet  
OCT : NA







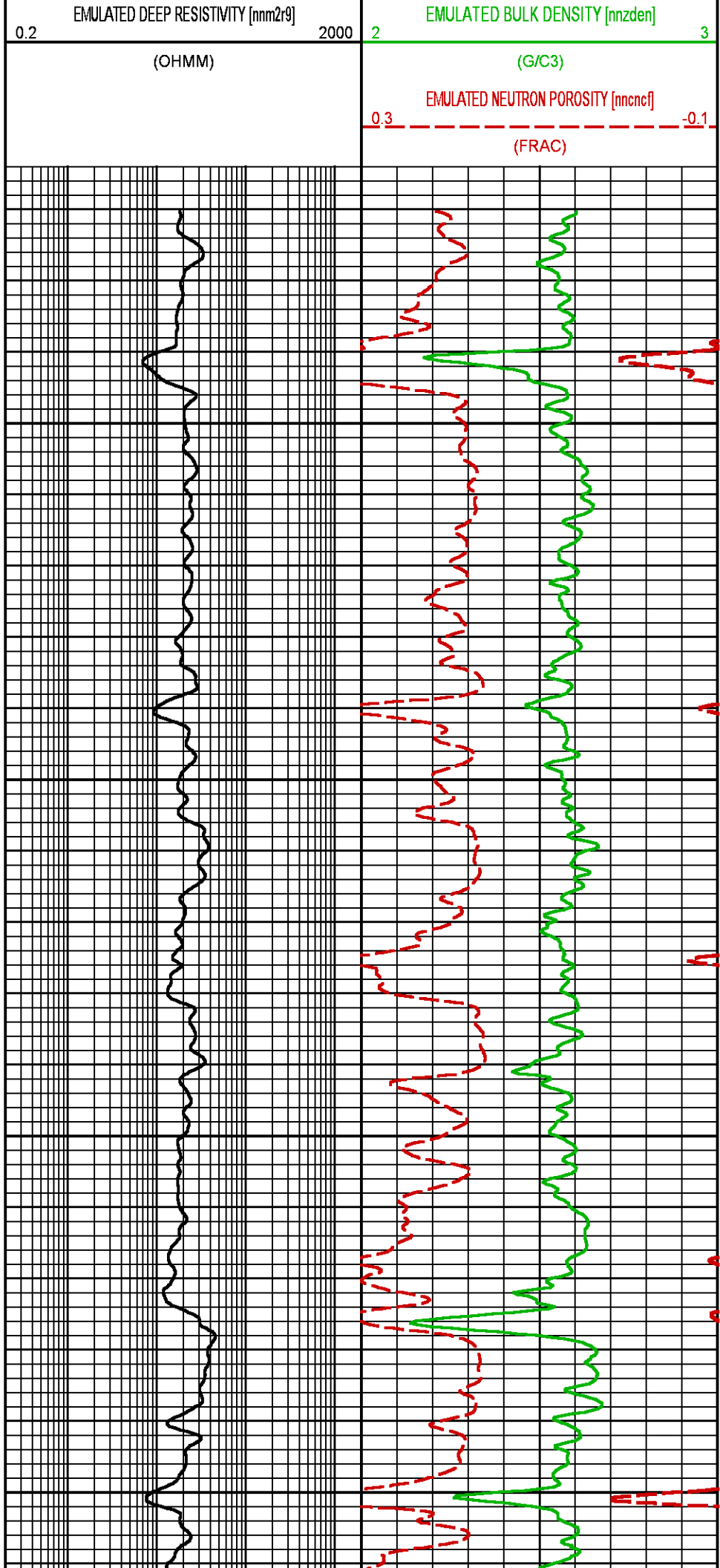
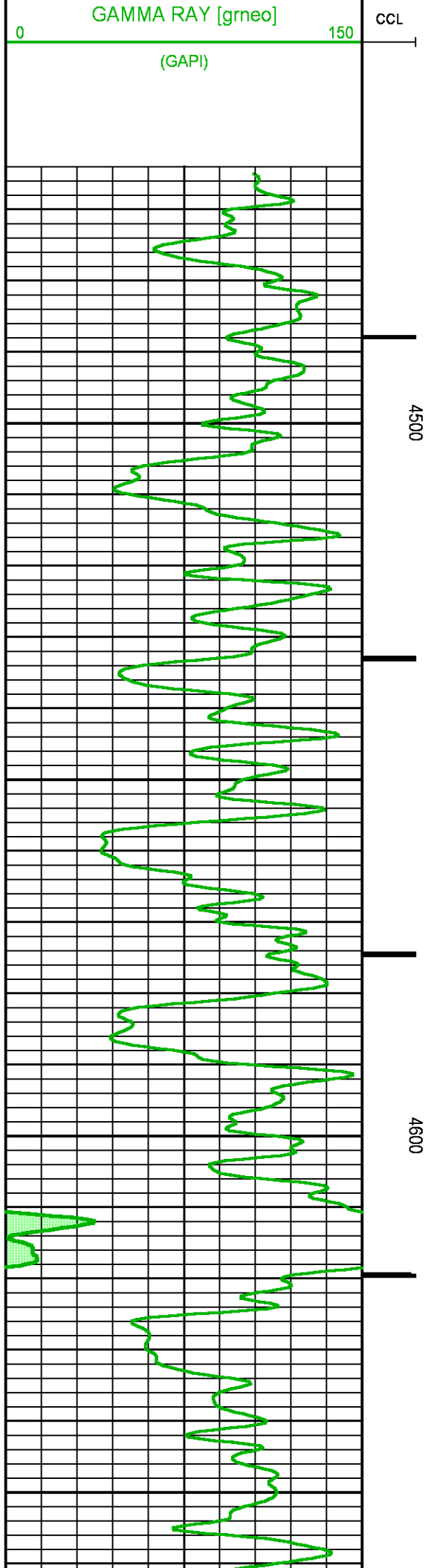


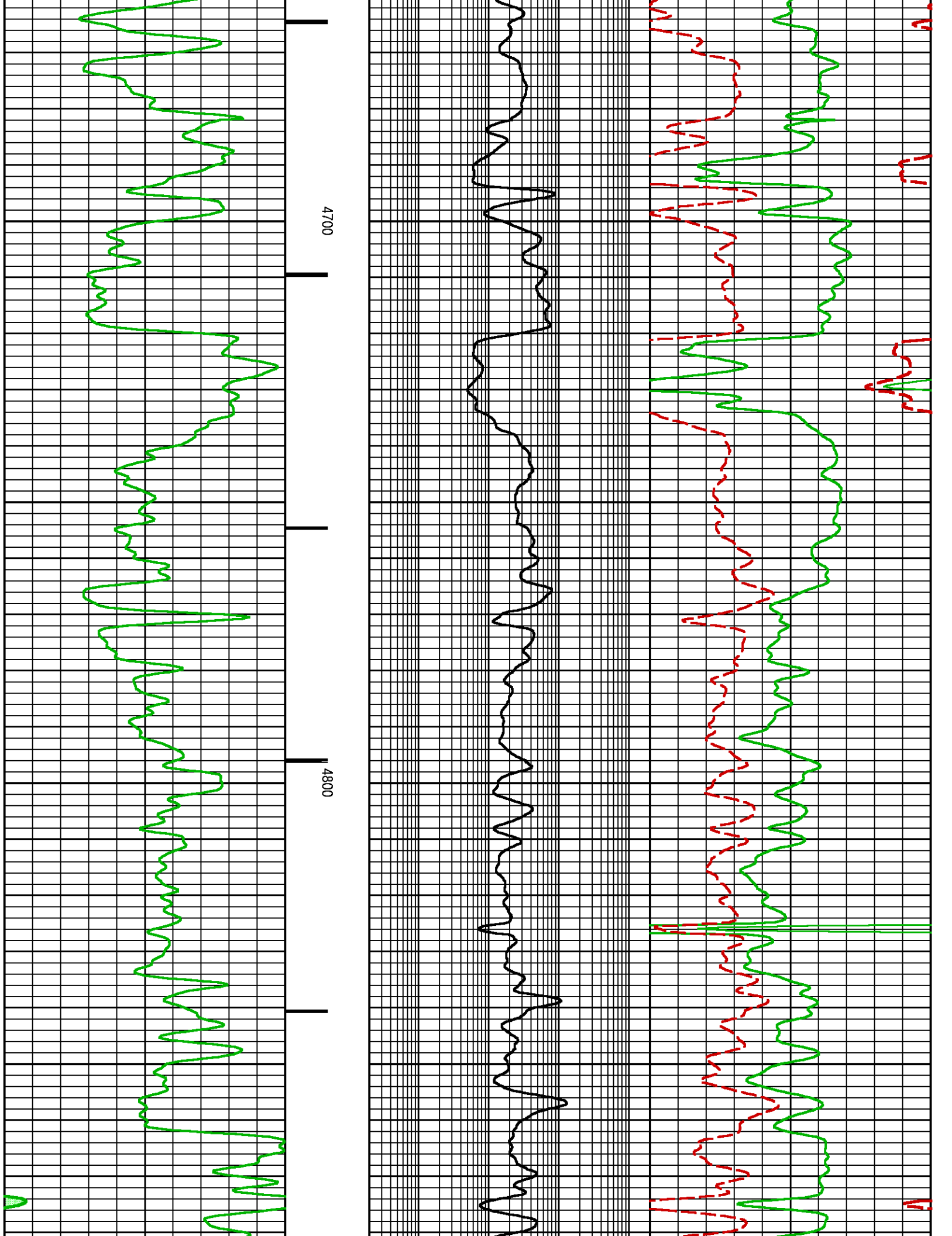
## NEO RESULTS FOR PICEANCE FEDERAL 29-18E (MAIN)

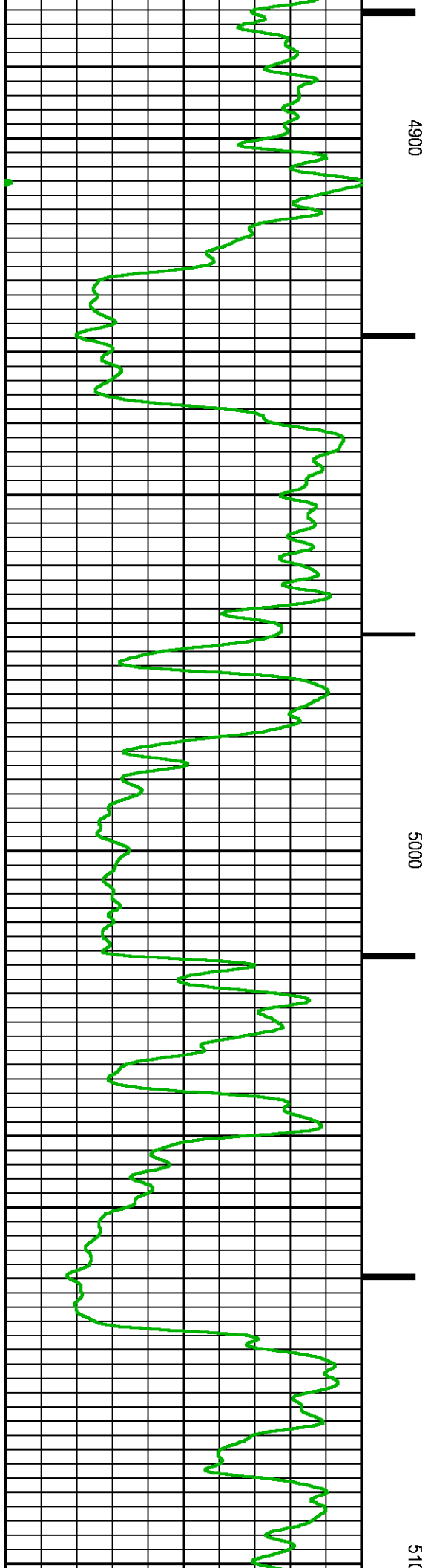
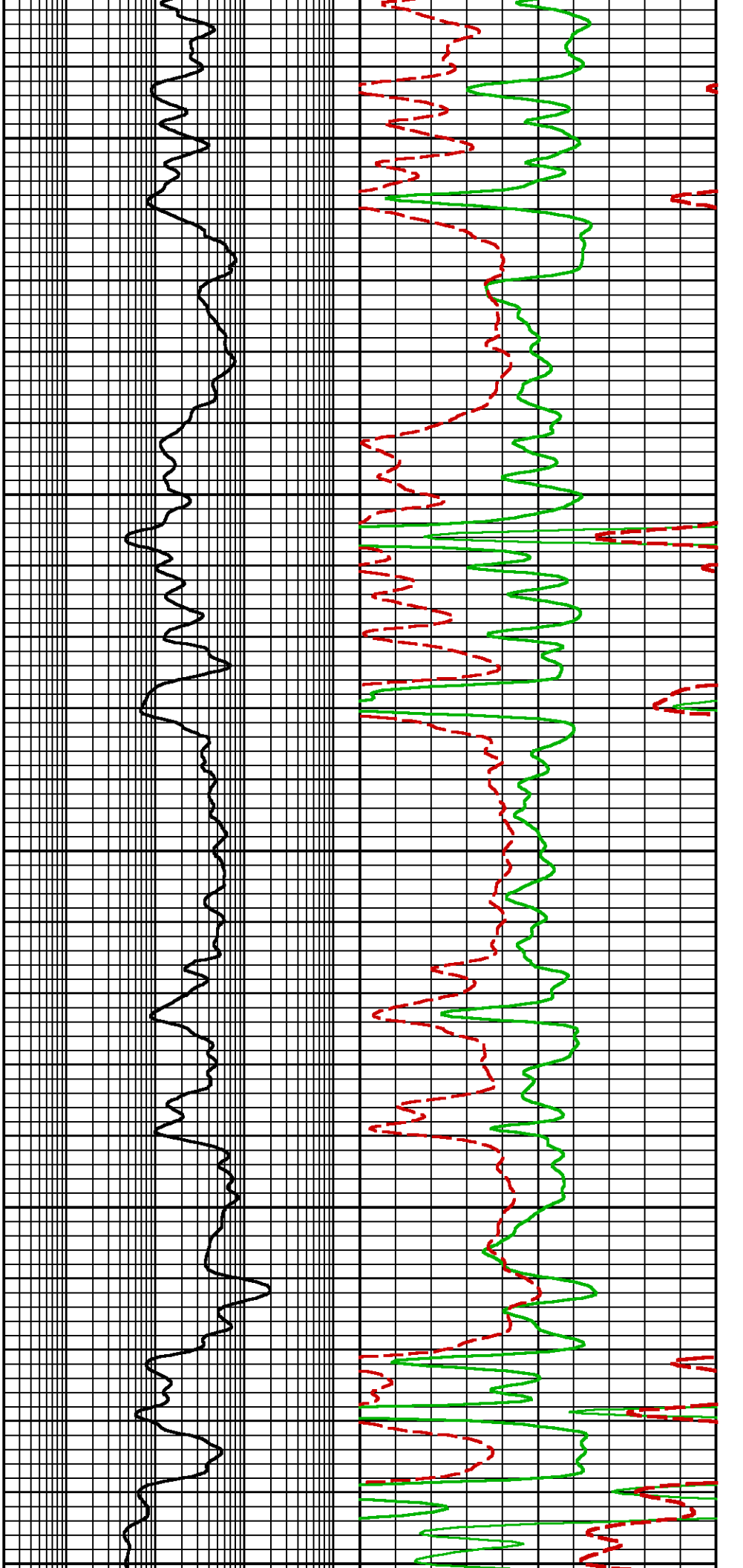
Project : NA  
User : ellskima  
Presentation : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_18e\NEO\_PRESENTATION\_LARAMIE\_MAIN.pdf [5"/100' Scale]  
Plot Interval : 4465 - 7839.75 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_18e\Merged\_Set\_Final.xtf  
Created On : N/A  
Company : LARAMIE ENERGY  
Well : PICEANCE FEDERAL 29-18E  
Field : VEGA  
File Interval : 2449.75 - 7839.75 Feet  
OCT : NA

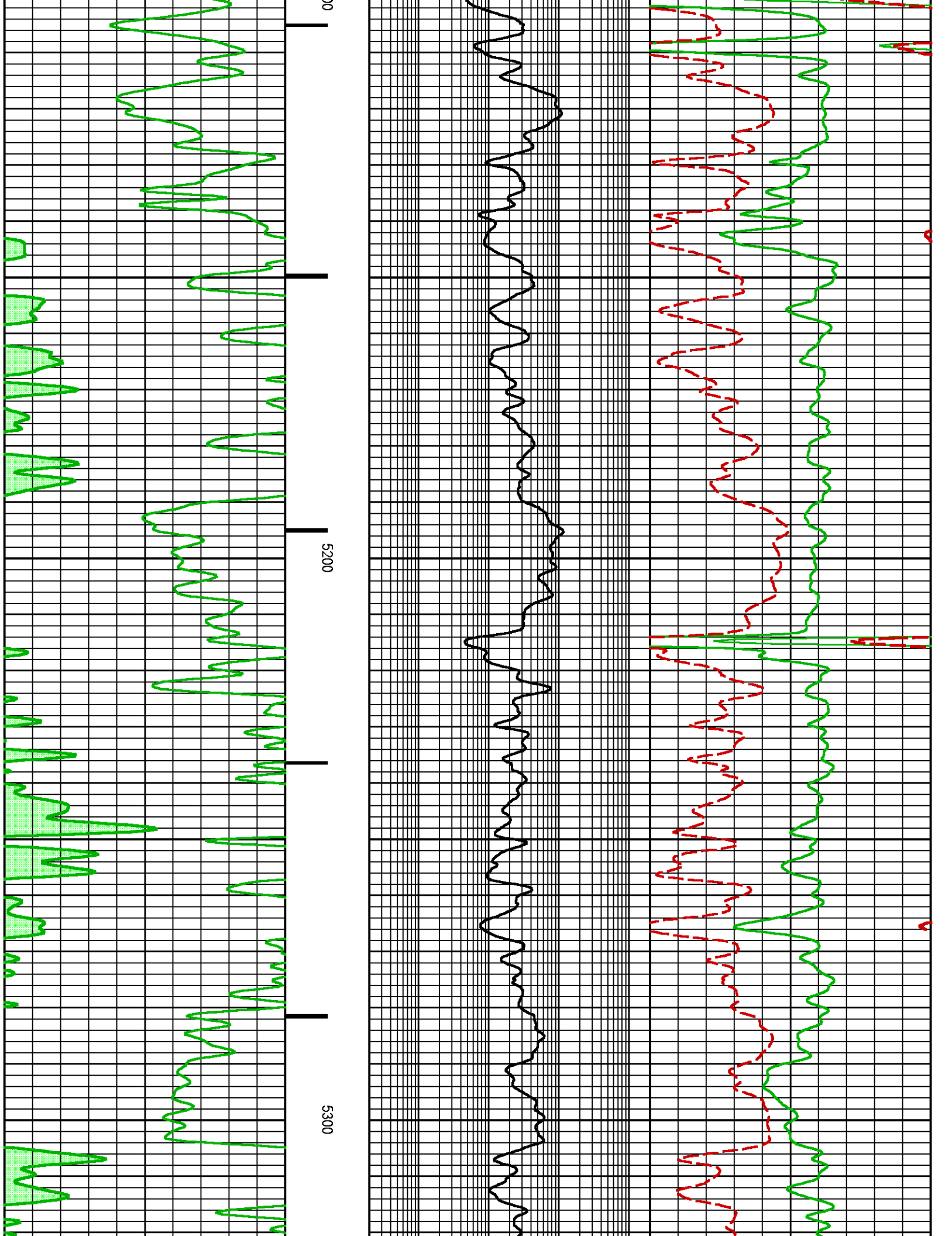


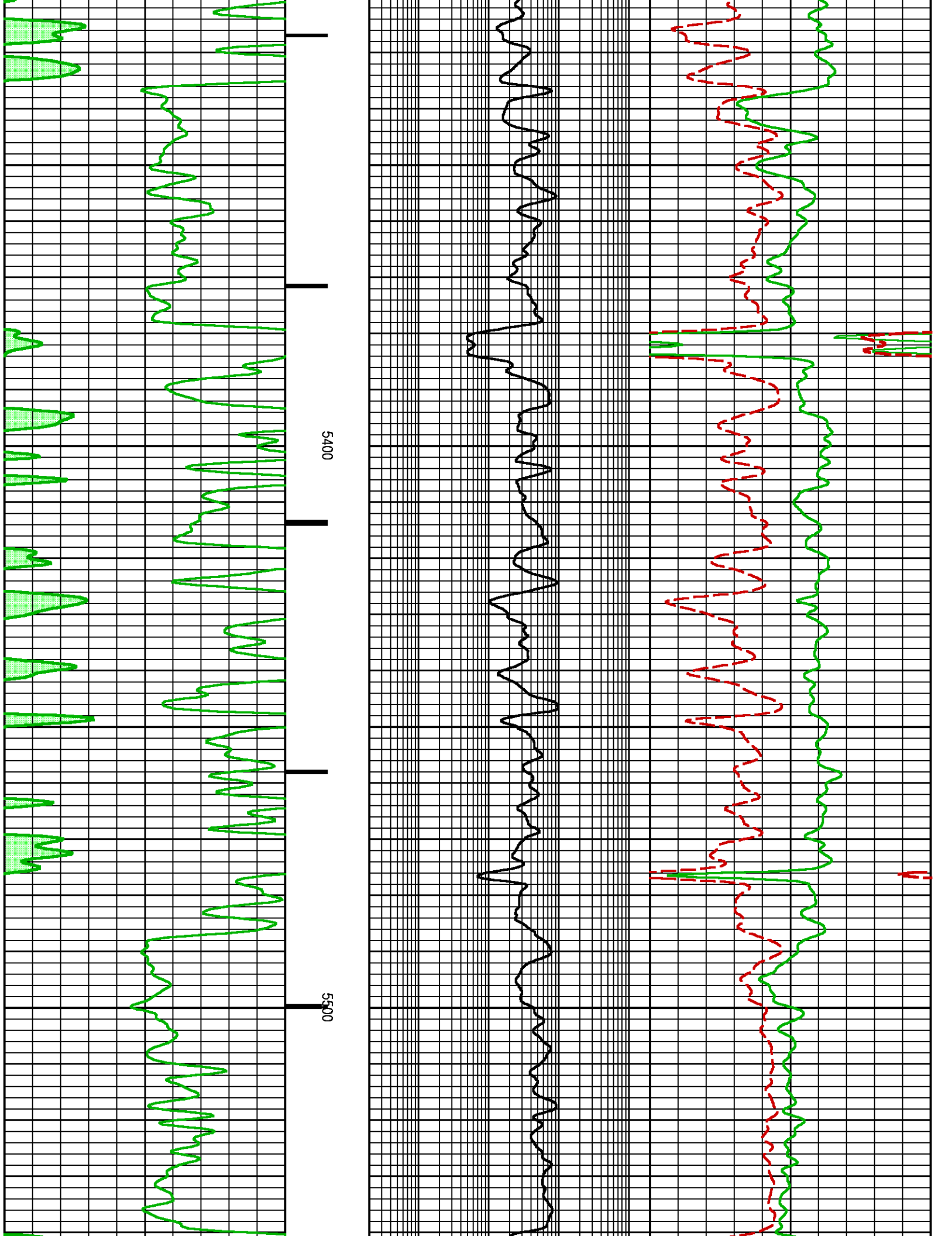


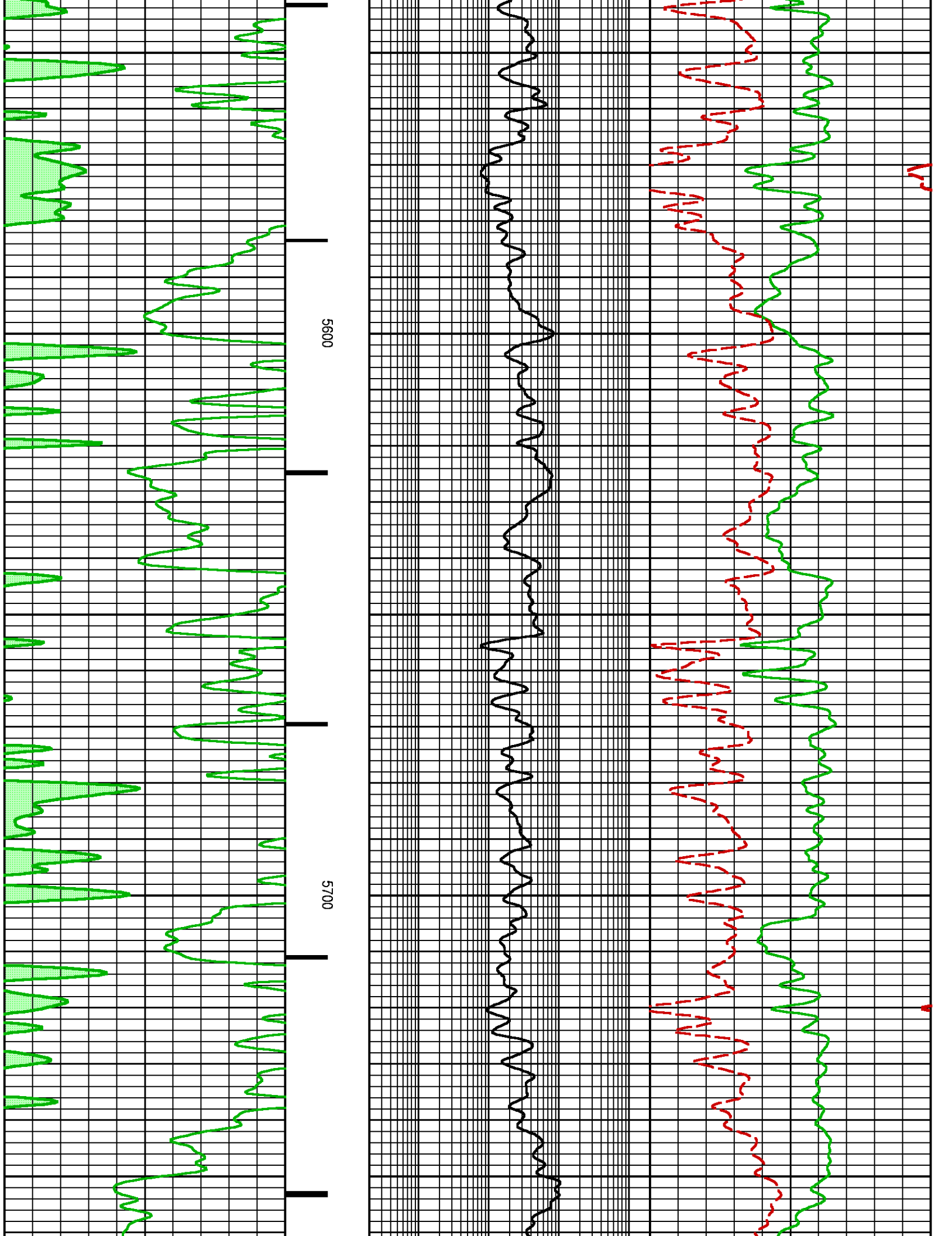


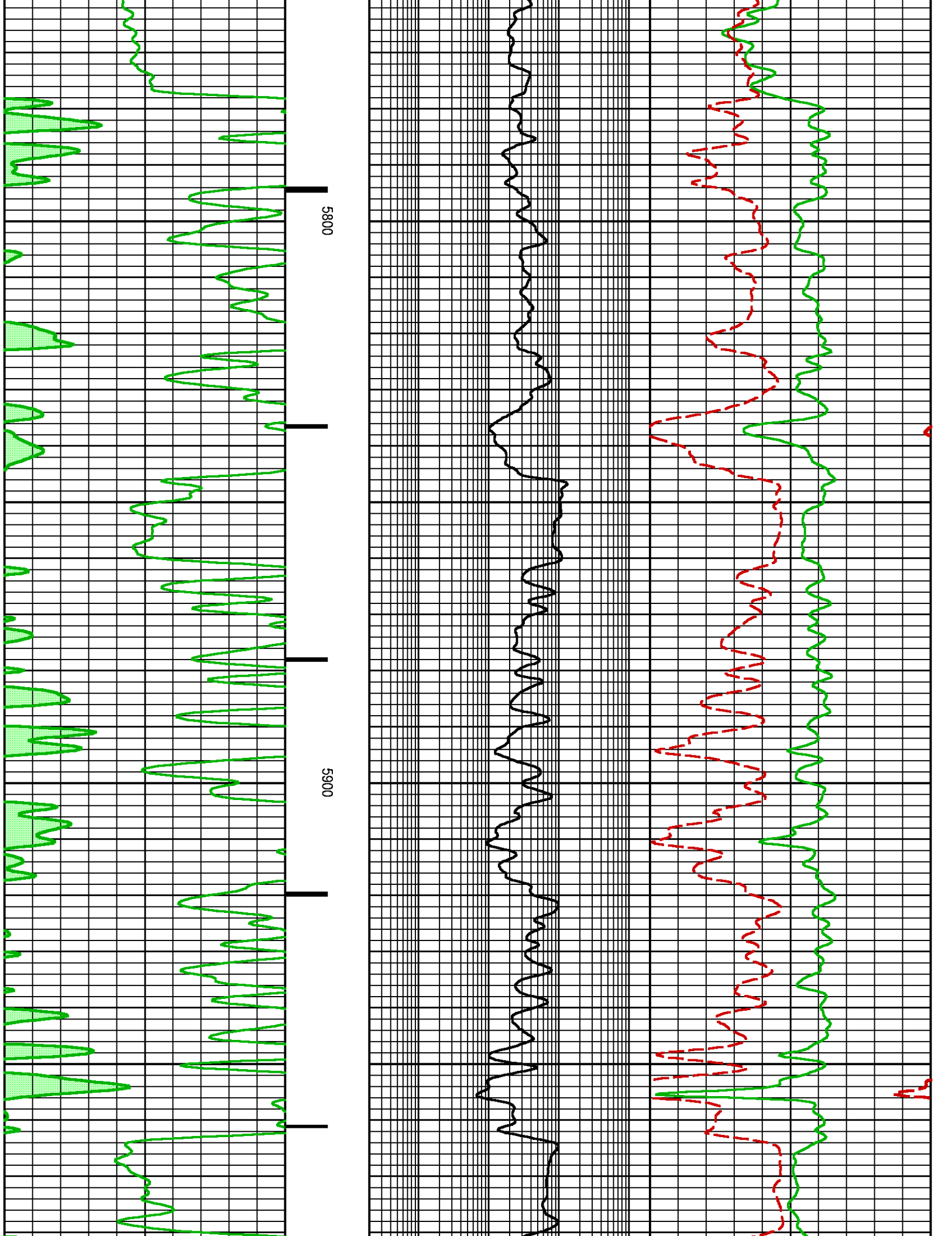


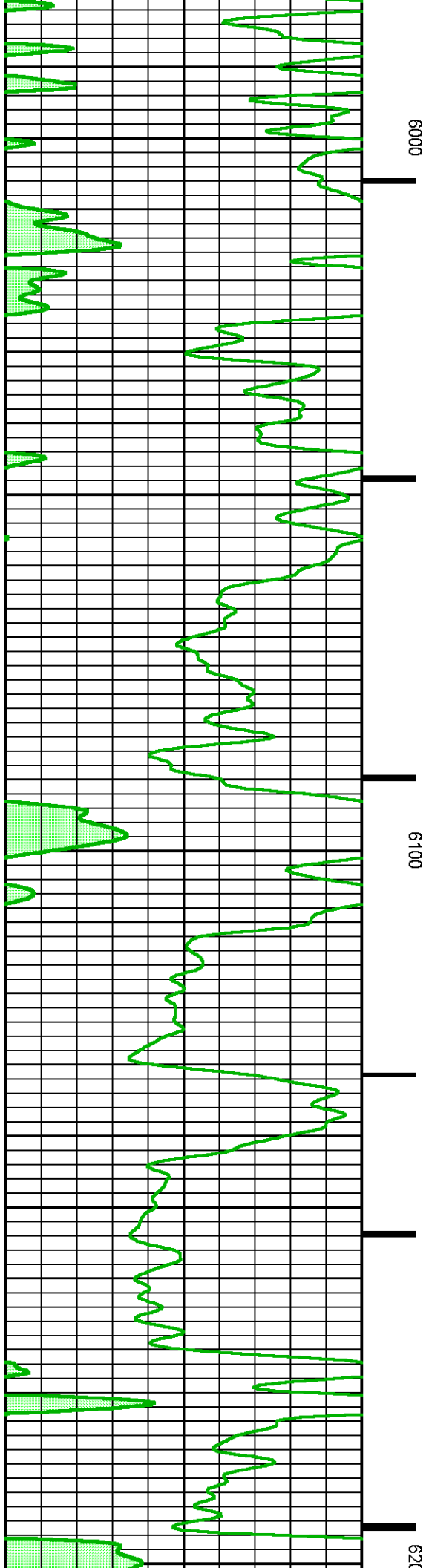
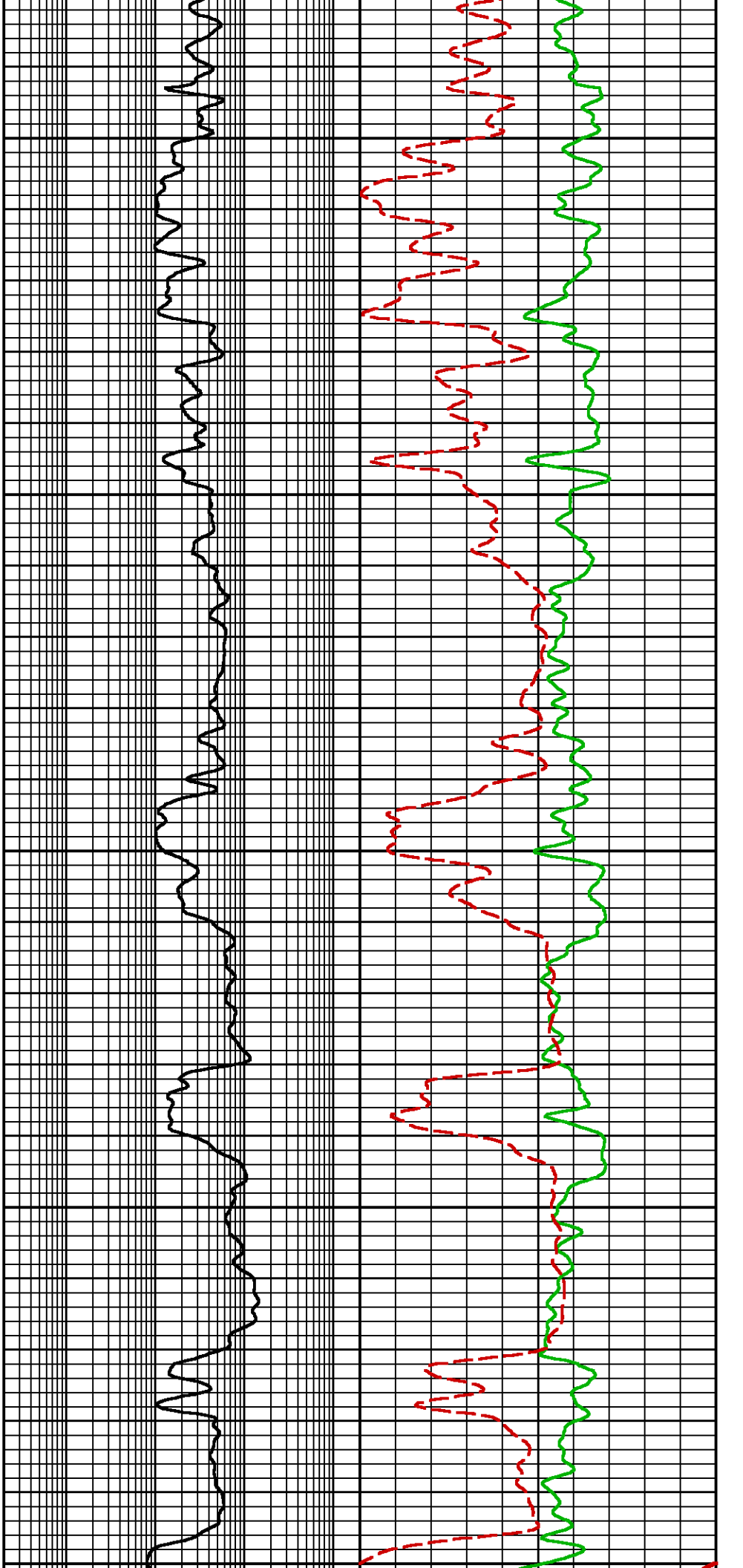


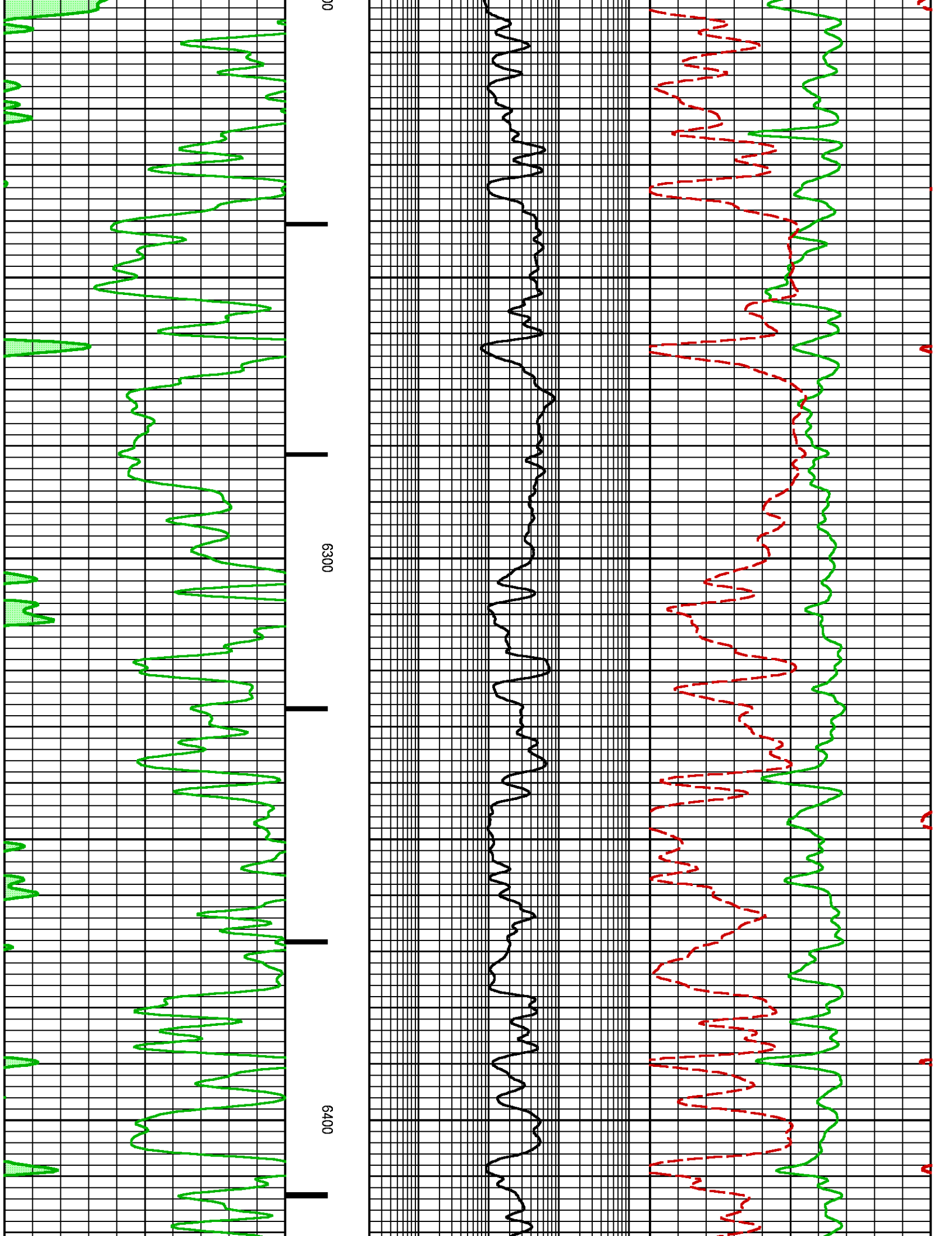


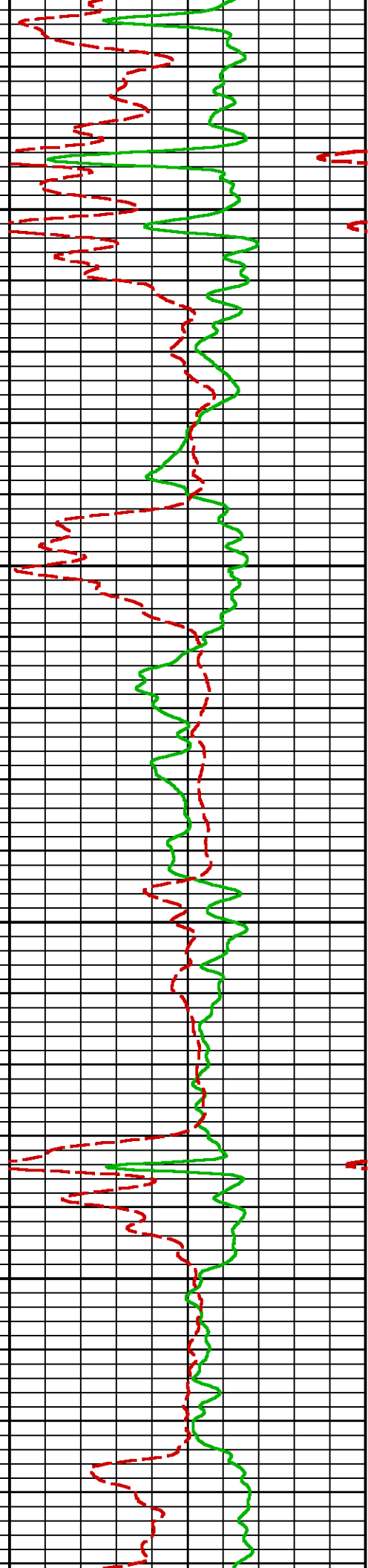
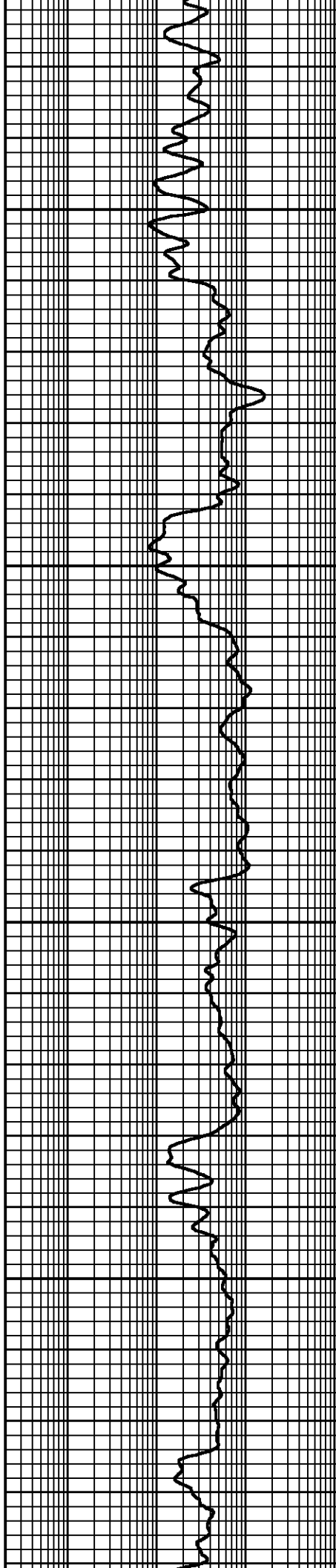
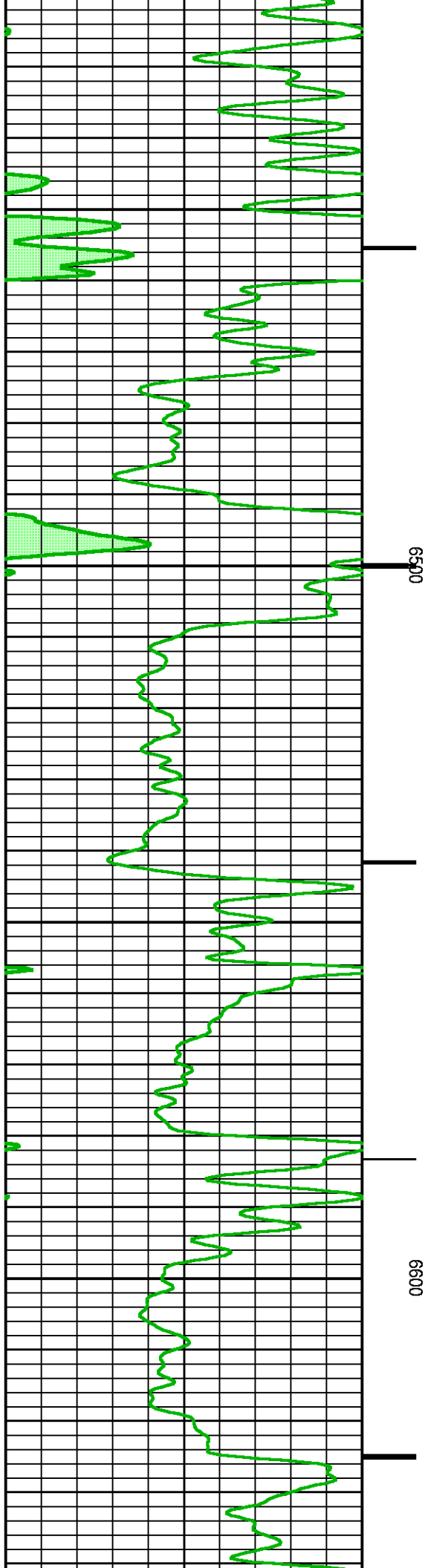


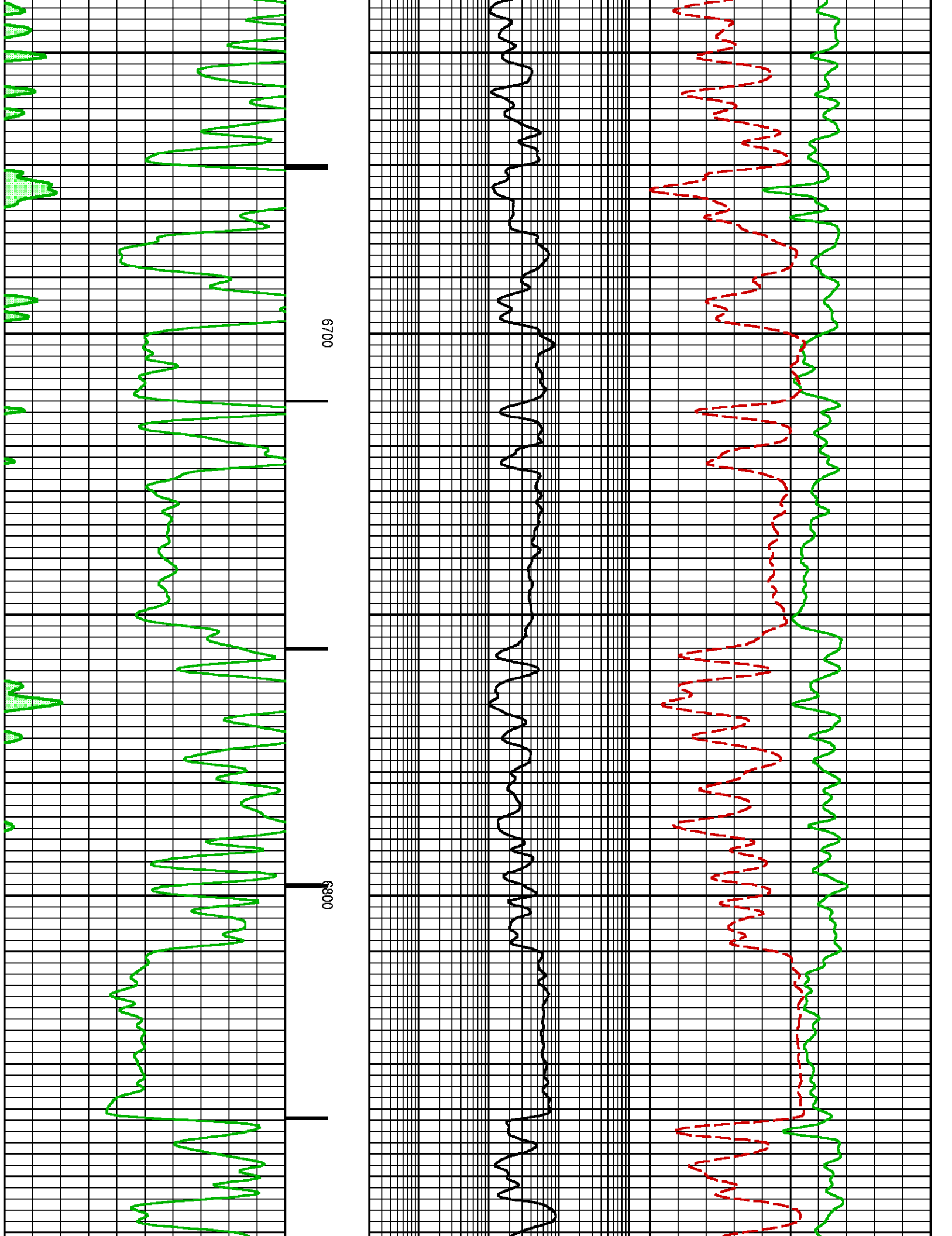




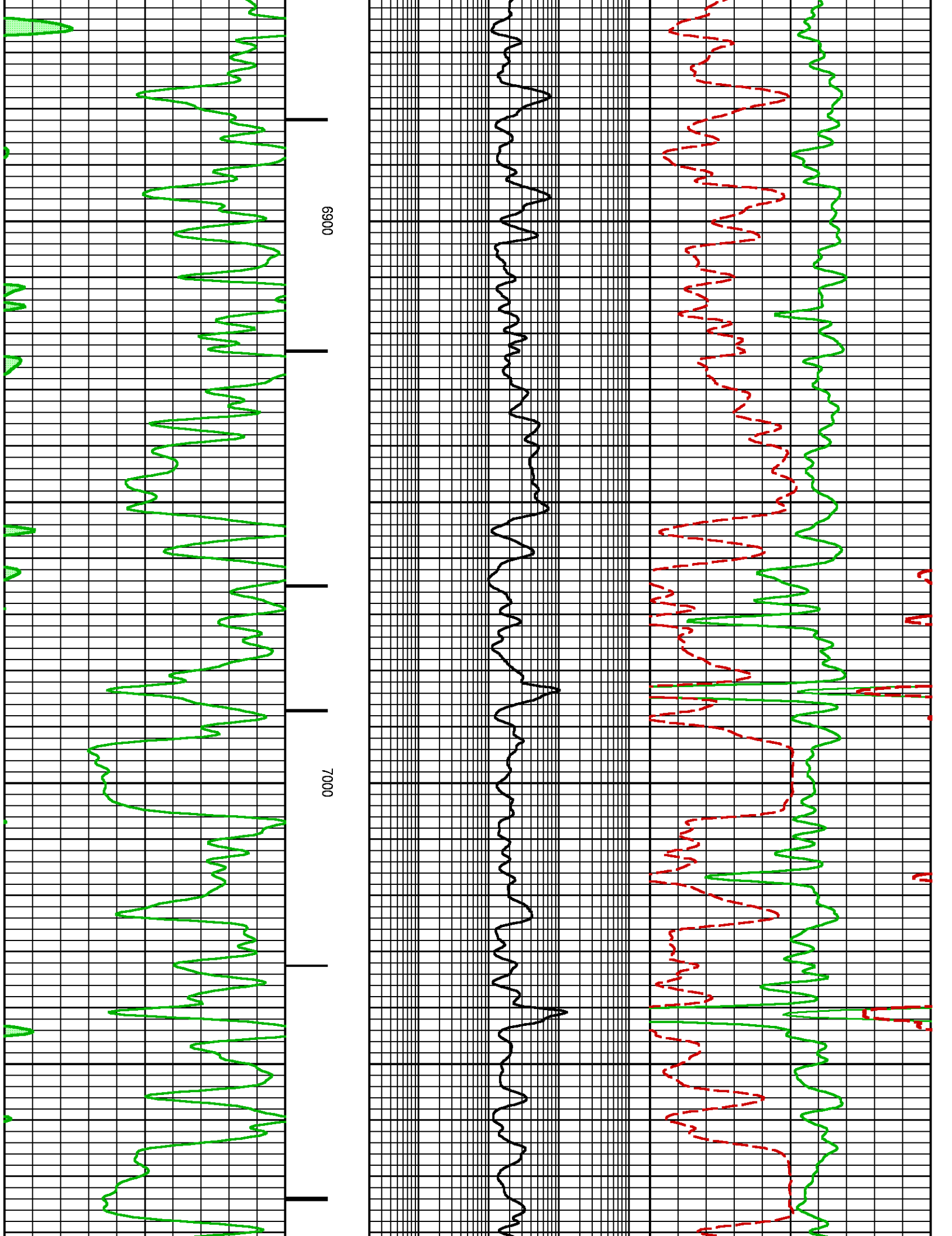


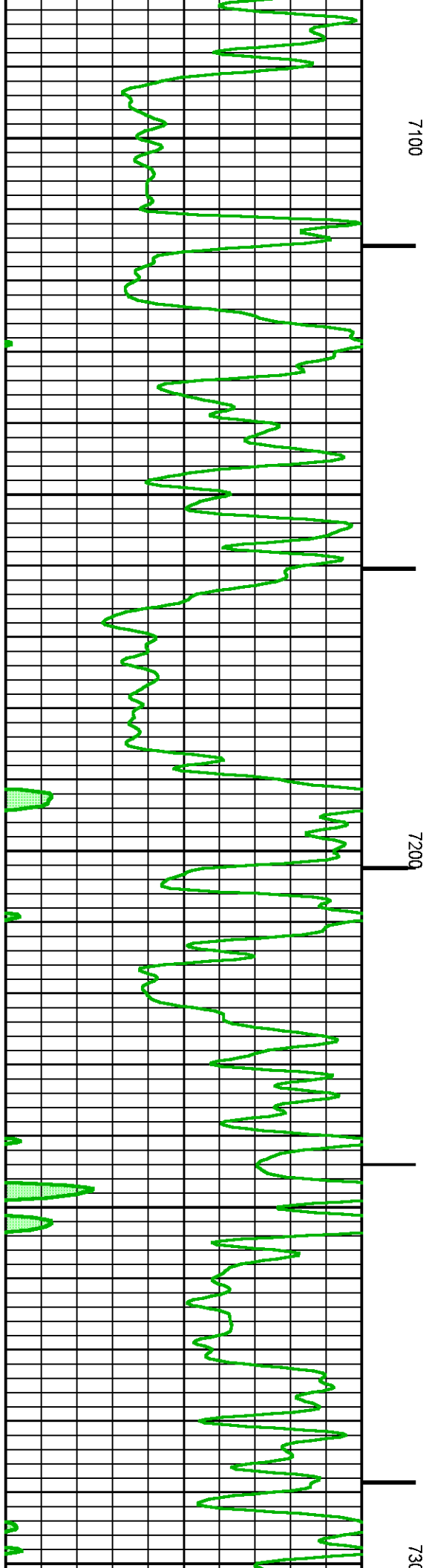
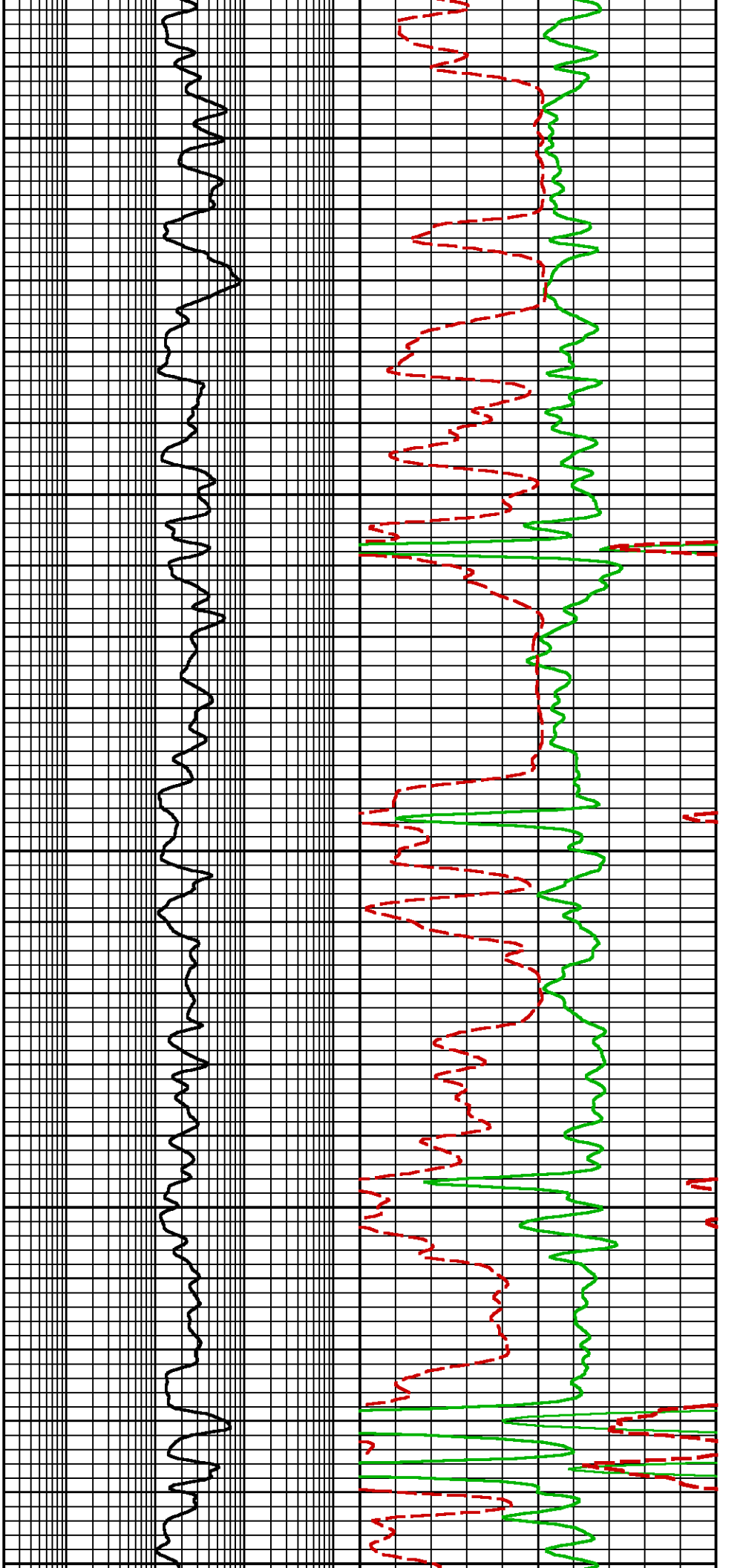


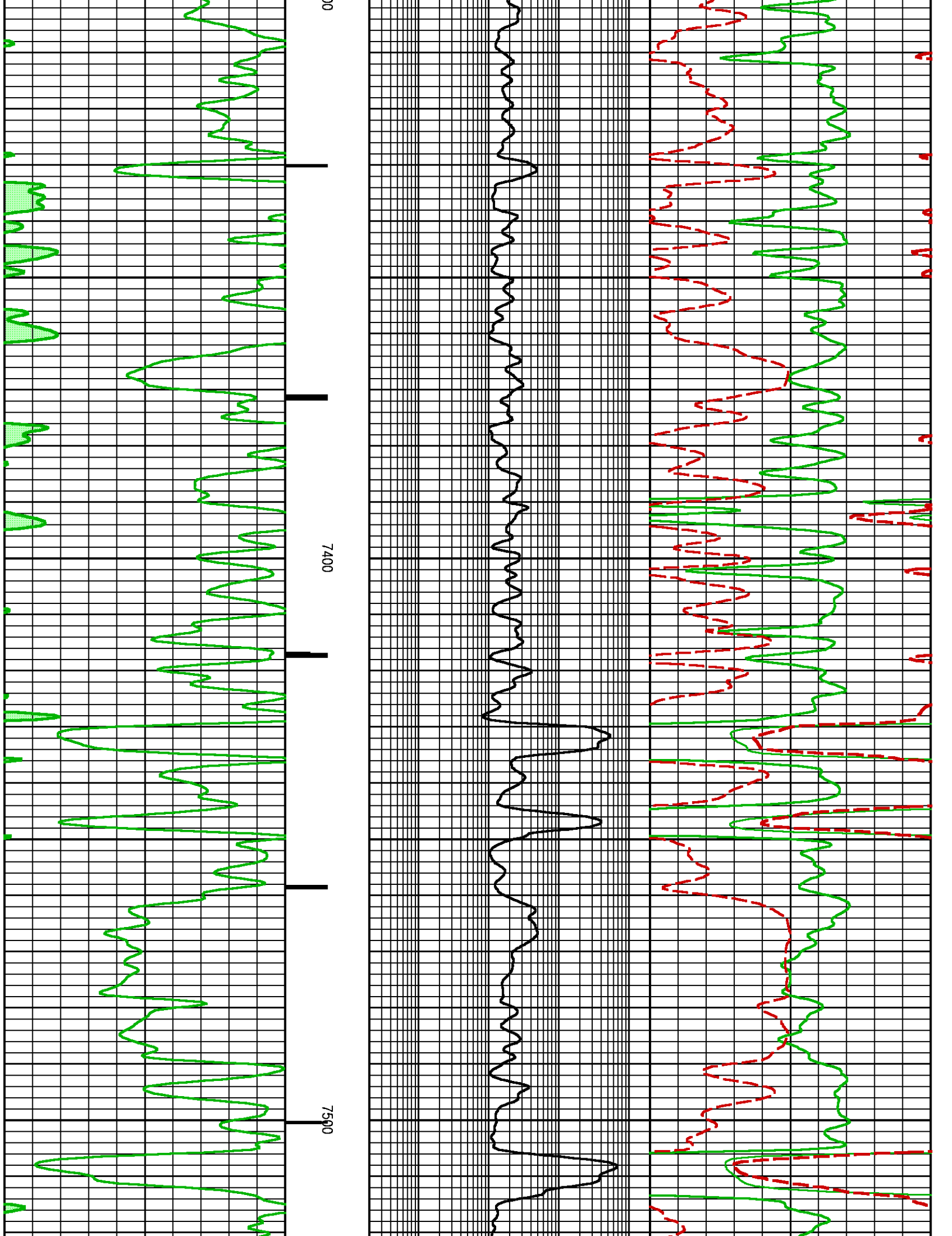


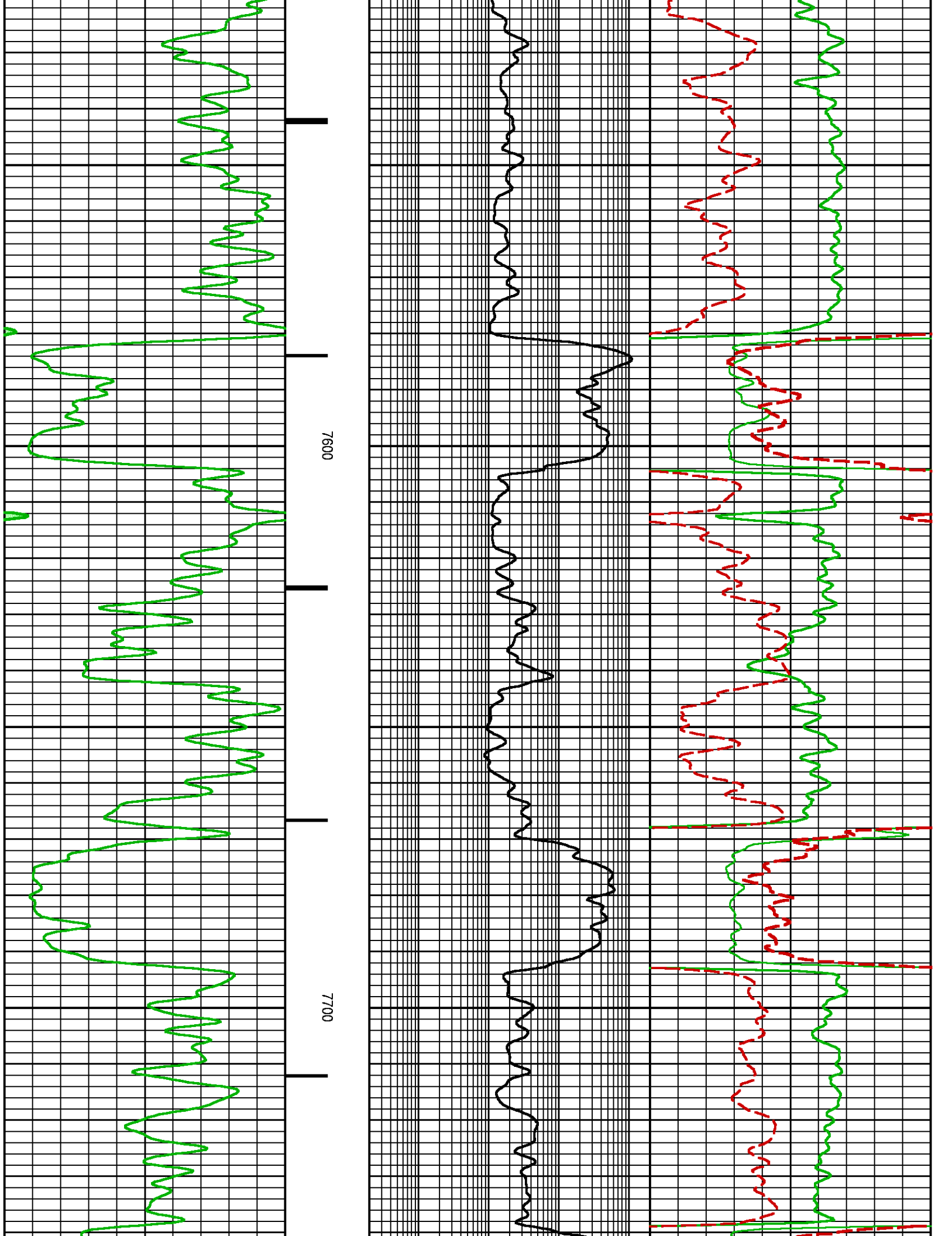


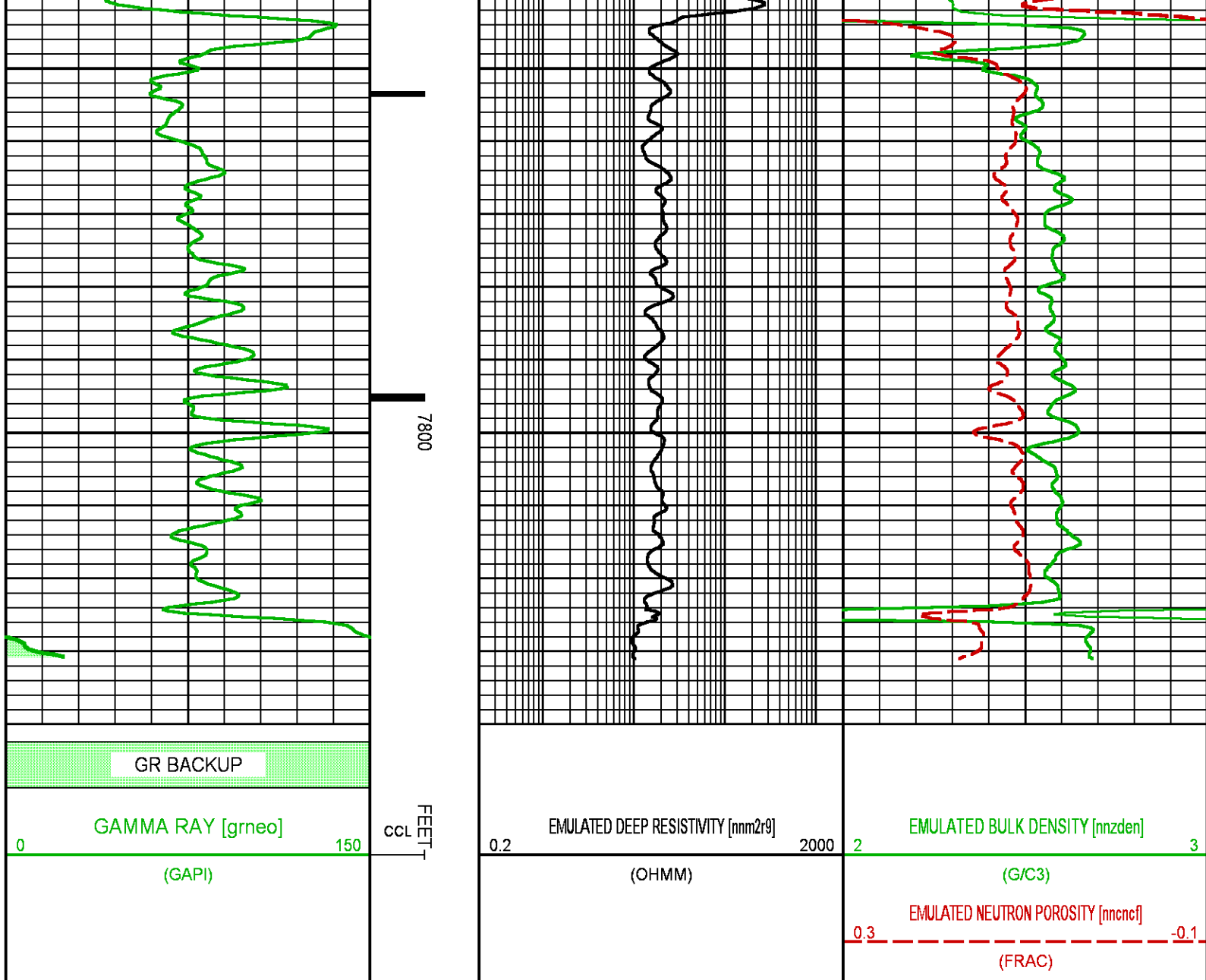


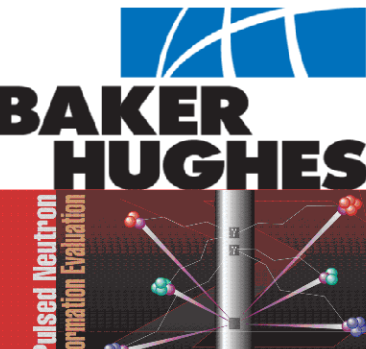










	<b>COMPANY</b> <u>LARAMIE ENERGY</u>		<b>FILE NO:</b> _____
	<b>WELL</b> <u>PICEANCE FEDERAL 29-18E</u>		<b>API NO:</b> _____
	<b>FIELD</b> <u>VEGA</u>		<b>API NO:</b> <u>05-077-10364-0000</u>
	<b>COUNTY</b> <u>MESA</u> <b>STATE</b> <u>COLORADO</u>		
<b>LOCATION:</b> <u>SEE REMARKS</u>		<b>ELEVATIONS:</b>	
<b>LAT</b> <u>39.248795</u> <b>LONG</b> <u>-107.788006</u>		<b>KB</b> <u>7561 FT</u> <b>DF</b> _____ <b>GL</b> <u>7531 FT</u>	
		<b>DATE</b> <u>2-JUN-2017</u>	