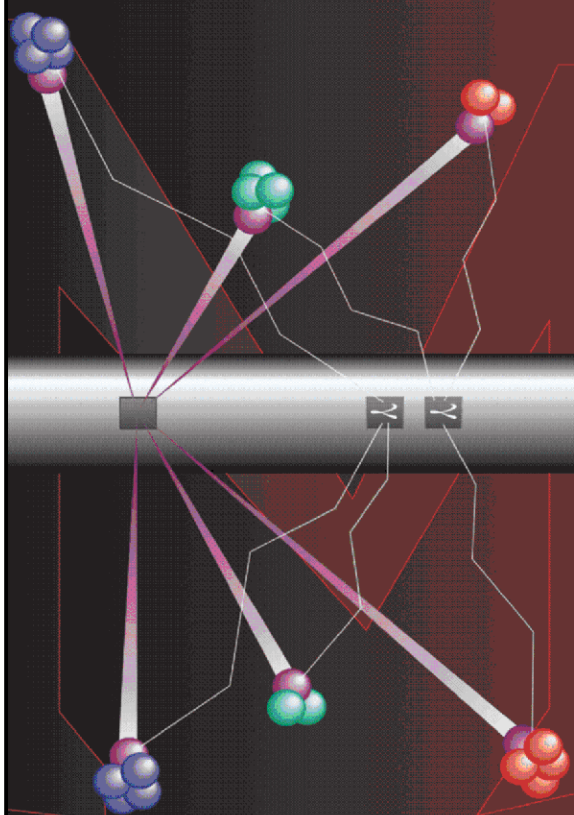




# Pulsed Neutron Formation Evaluation



## RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE FEDERAL 29-20E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS

LAT 39.248633 LONG -107.788204

ELEVATIONS:

KB 7561 FT DF GL 7531 FT

DATE 1-JUN-2017 ECC 26973.01

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>1-JUN-2017</u>
FIELD DATA	LOCATION: <u>WOODWARD</u>	ENGINEER: <u>S. YASSA</u>	DATE: <u>27-MAY-2017</u>
FROM	TO		
<u>2570 FT</u>	<u>7934 FT</u>		

### REMARKS

LOCATION: SHL: LAT: 39.248633N LONG: 107.788204W  
BHL: LAT: 39.243491N LONG: 107.796581W

TRAINING WELL:  
GUNDERSON 29-11E

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

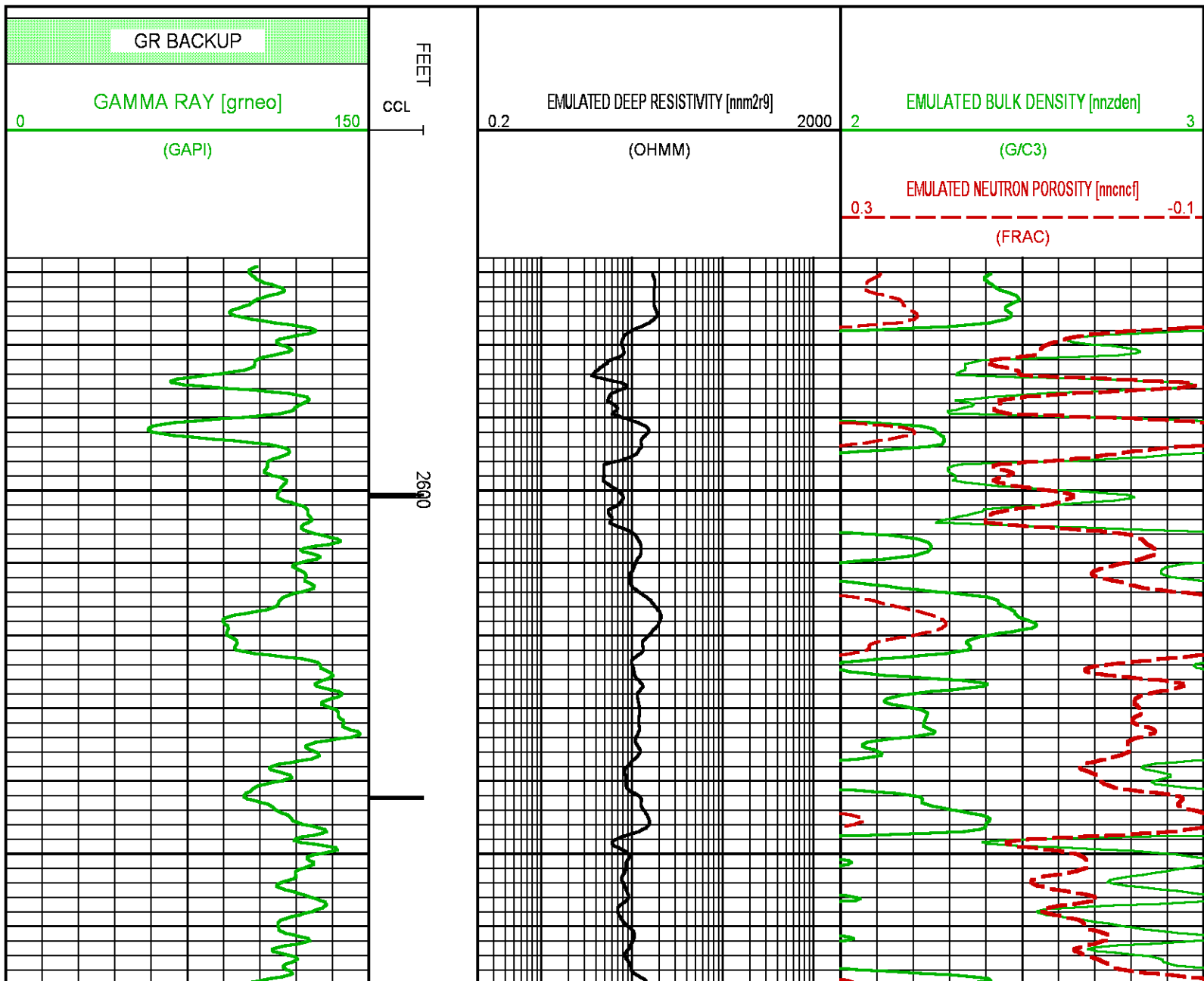
BOND LOG IS DEPTH REFERENCE LOG

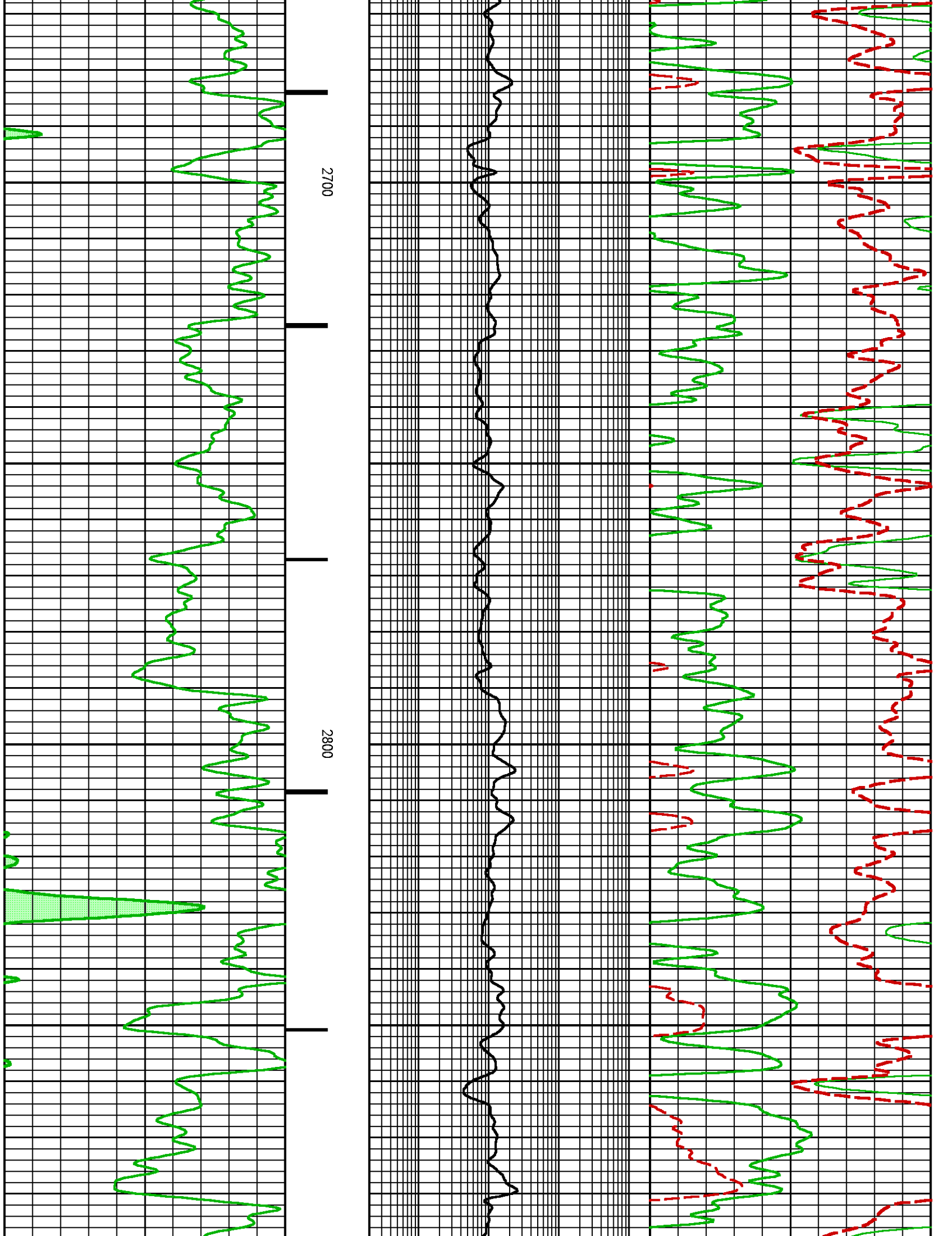
GEOLOGICIST: KIMBERLY ELLSWORTH

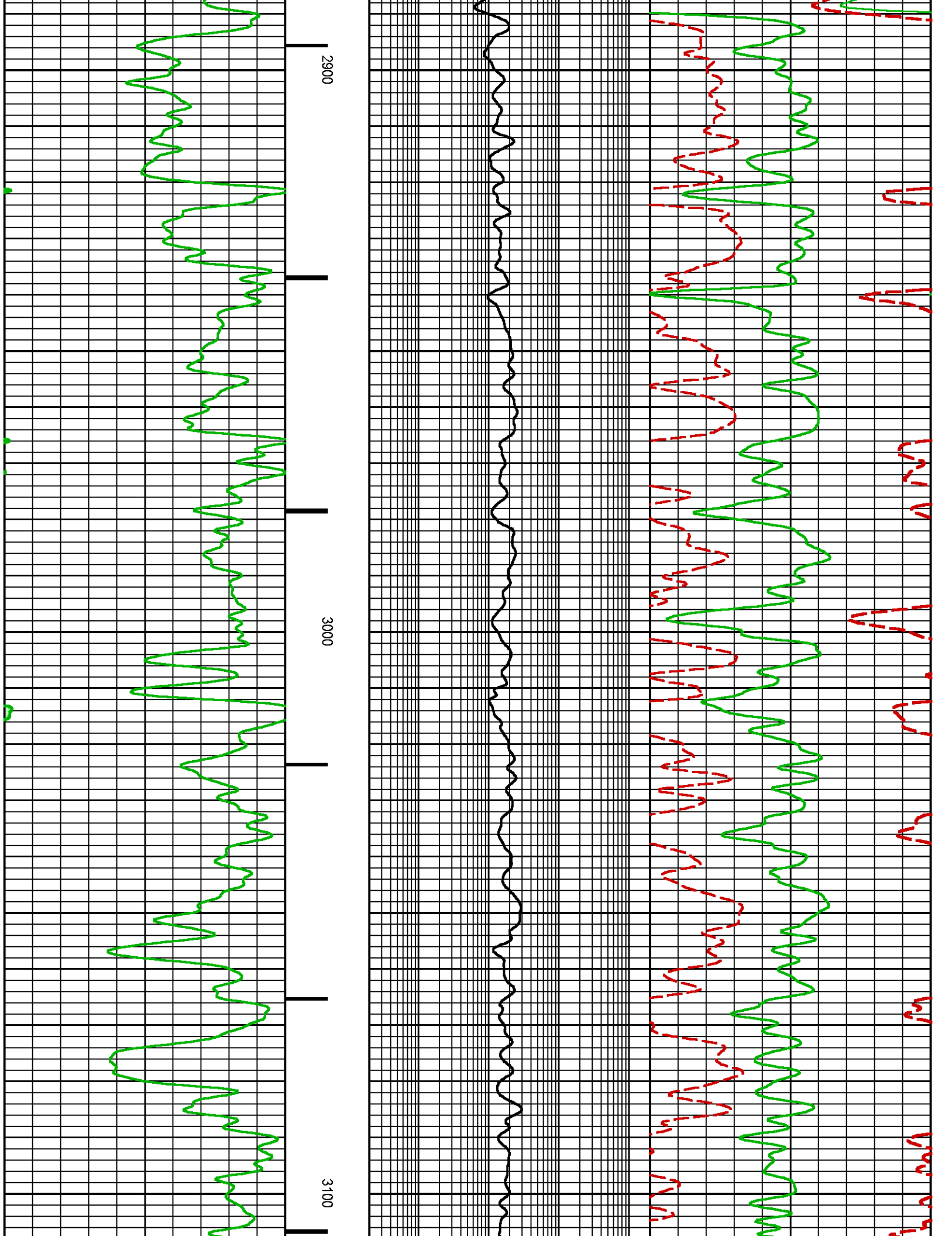
## NEO RESULTS FOR PICEANCE FEDERAL 29-20E (G-SAND)

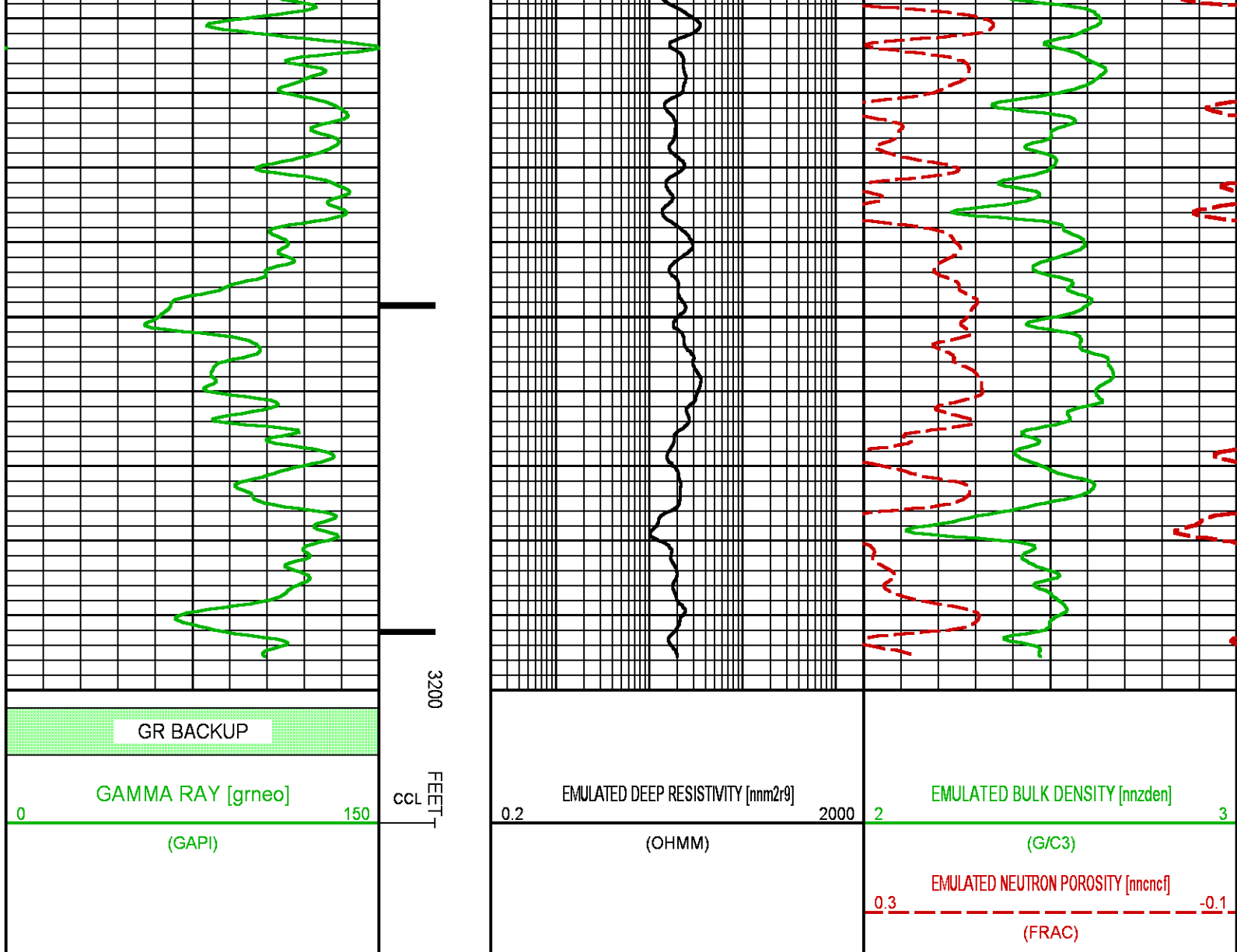
Project : NA  
User : ellskima  
Presentation : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_20e\NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
Plot Interval : 2569.25 - 3200 Feet

Data File 1 : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_20e\Merged\_Set\_Final.xtf  
Created On : N/A  
Company : LARAMIE ENERGY  
Well : PICEANCE FEDERAL 29-20E  
Field : VEGA  
File Interval : 2569.25 - 7933.25 Feet  
OCT : NA





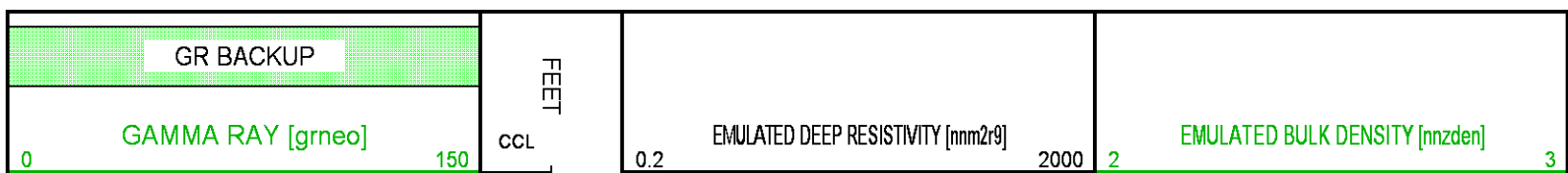


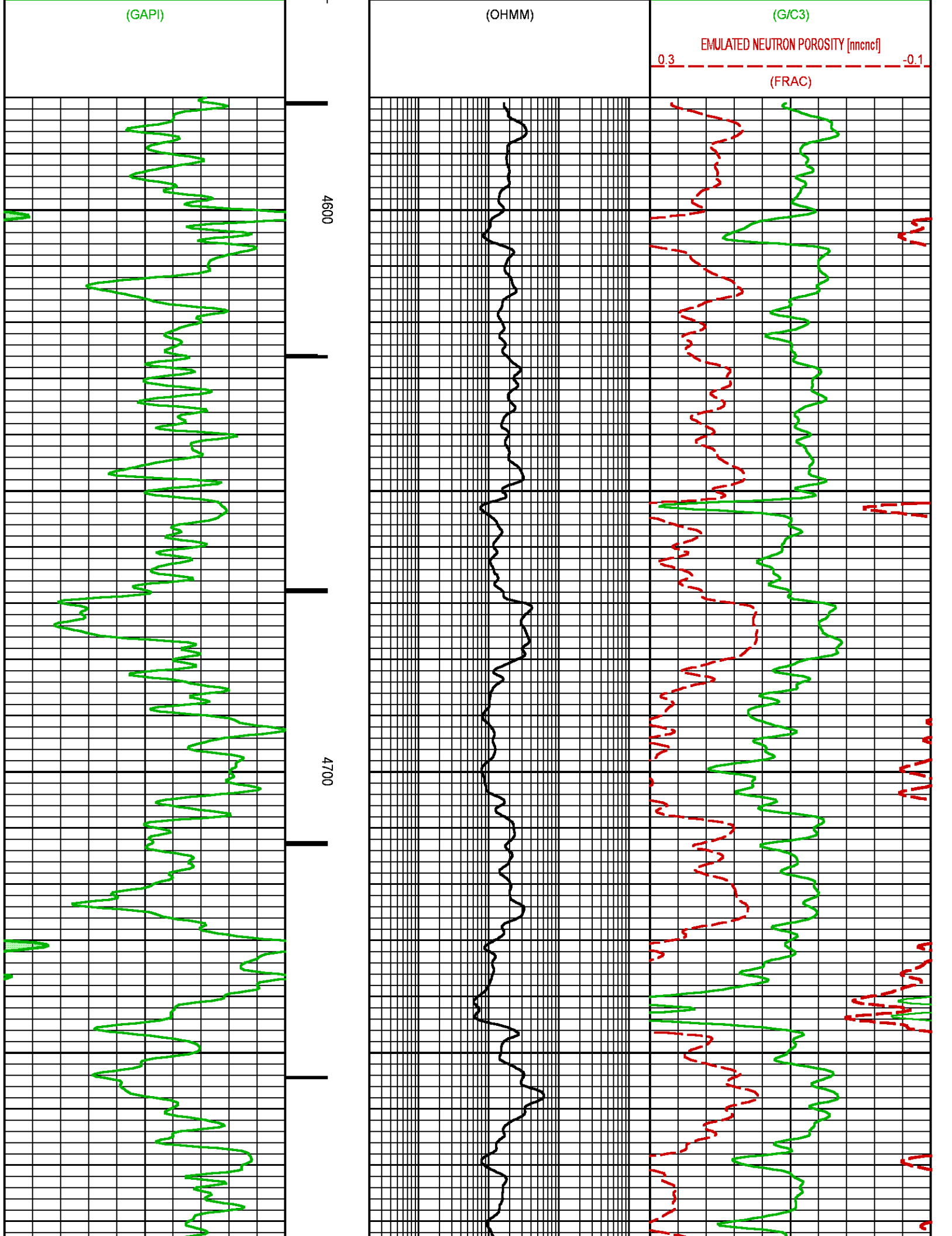


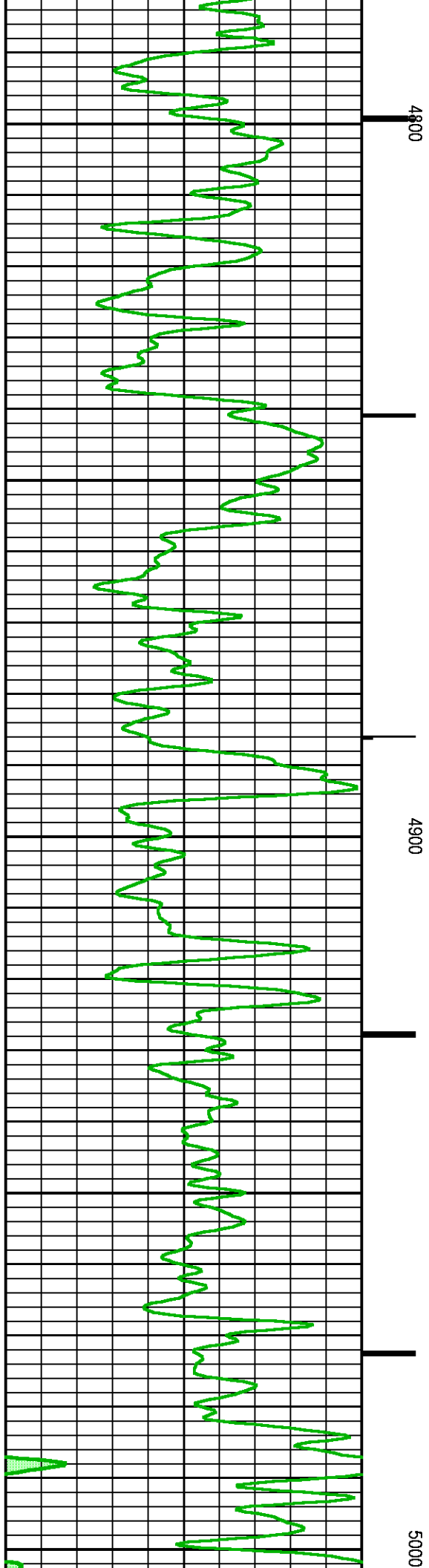
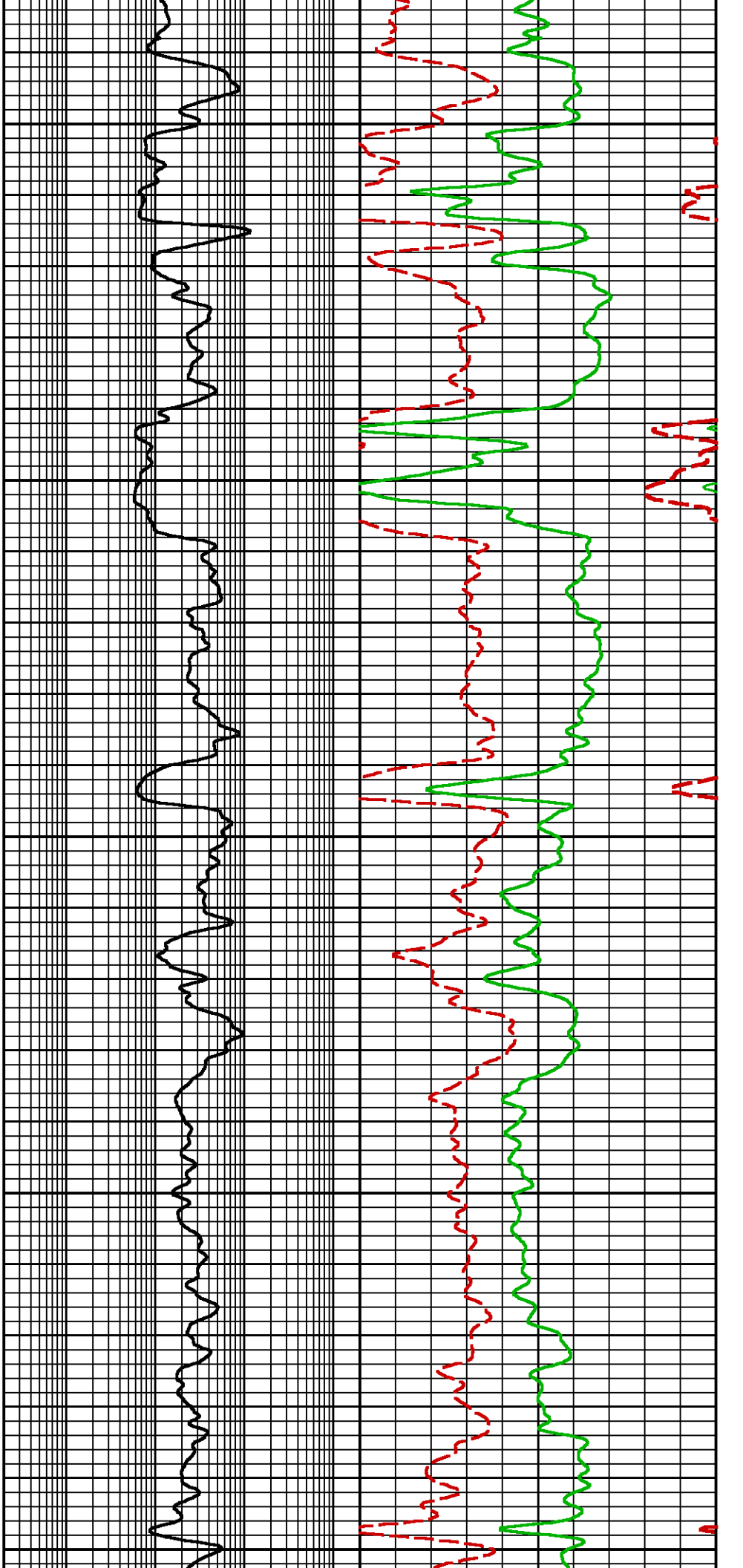
## NEO RESULTS FOR PICEANCE FEDERAL 29-20E (MAIN)

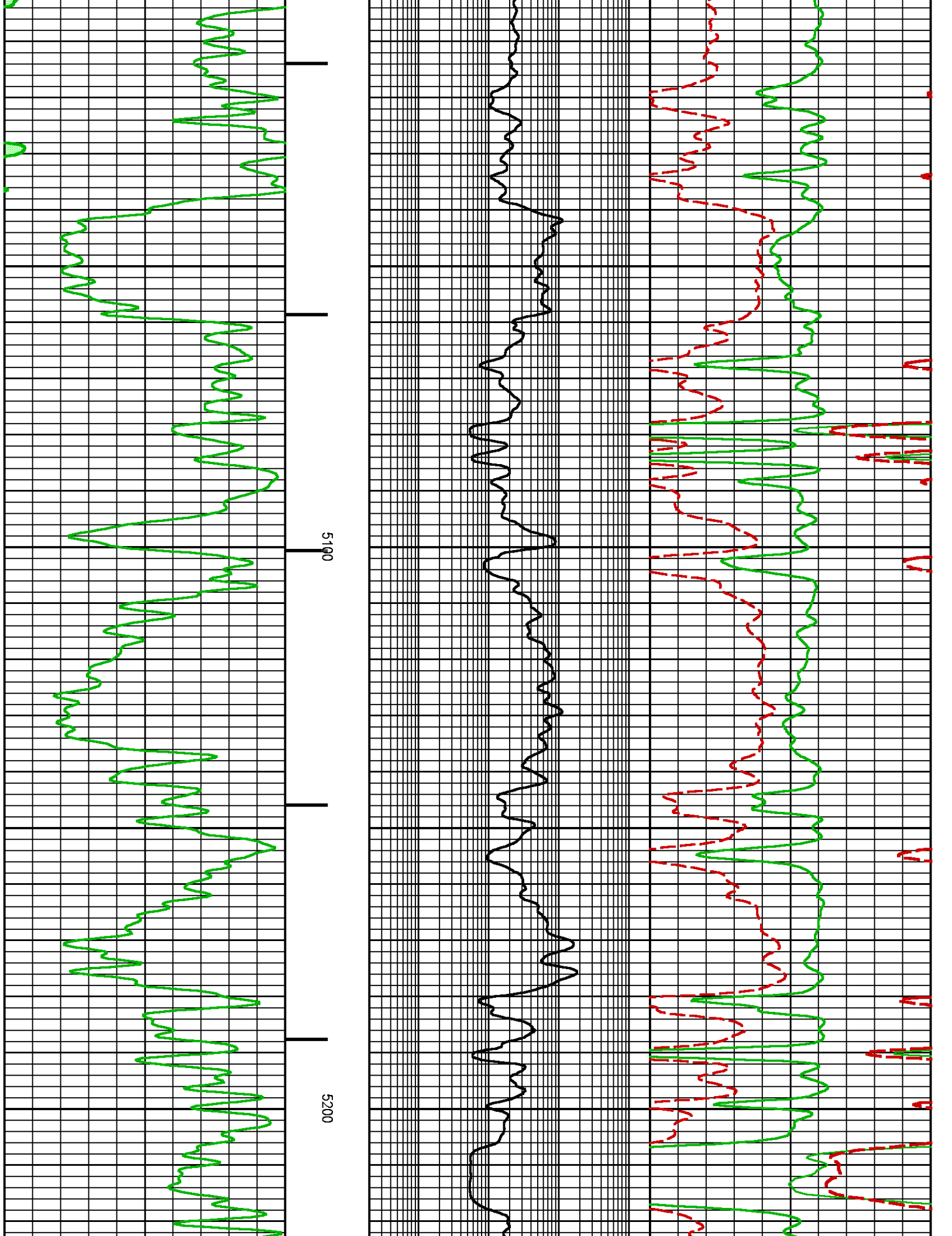
**Project** : NA  
**User** : ellskima  
**Presentation** : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_20e\NEO\_PRESENTATION\_LARAMIE\_MAIN.pdf [5"/100' Scale]  
**Plot Interval** : 4580 - 7930 Feet

**Data File 1** : F1 : BHI3BKZH12:C:\Ape\_Projects\laramie\_29\_20e\Merged\_Set\_Final.xtf  
**Created On** : N/A  
**Company** : LARAMIE ENERGY  
**Well** : PICEANCE FEDERAL 29-20E  
**Field** : VEGA  
**File Interval** : 2569.25 - 7933.25 Feet  
**OCT** : NA

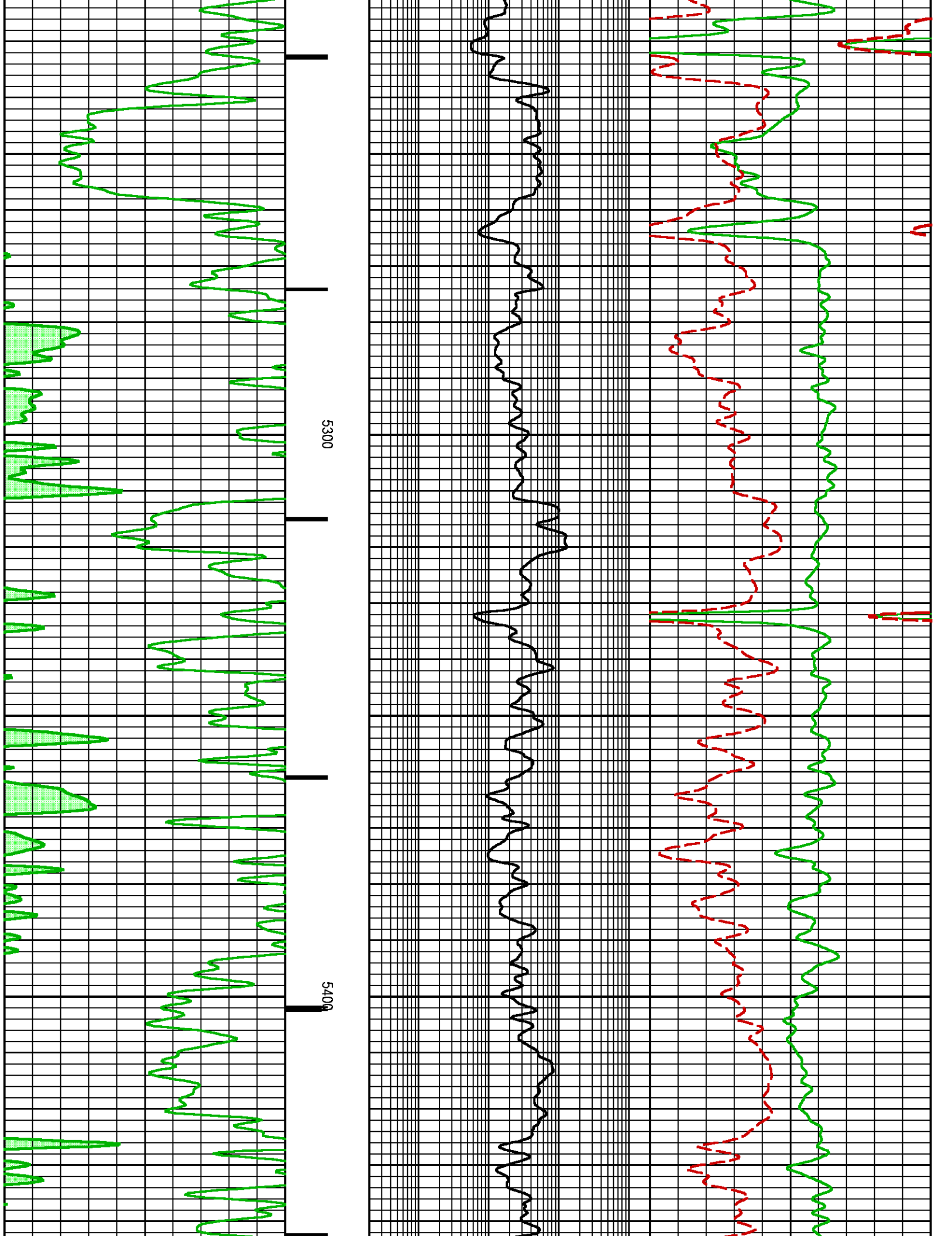


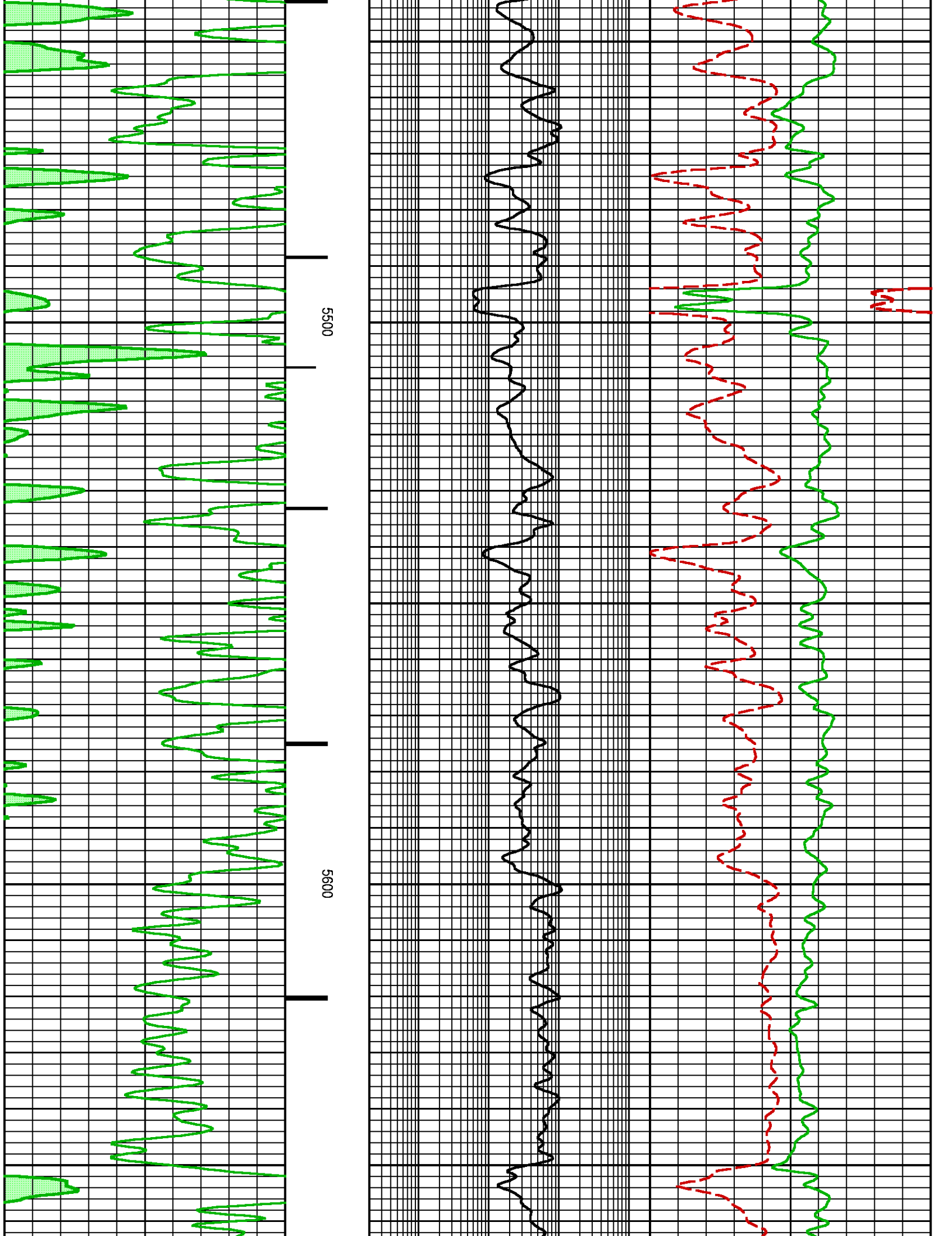


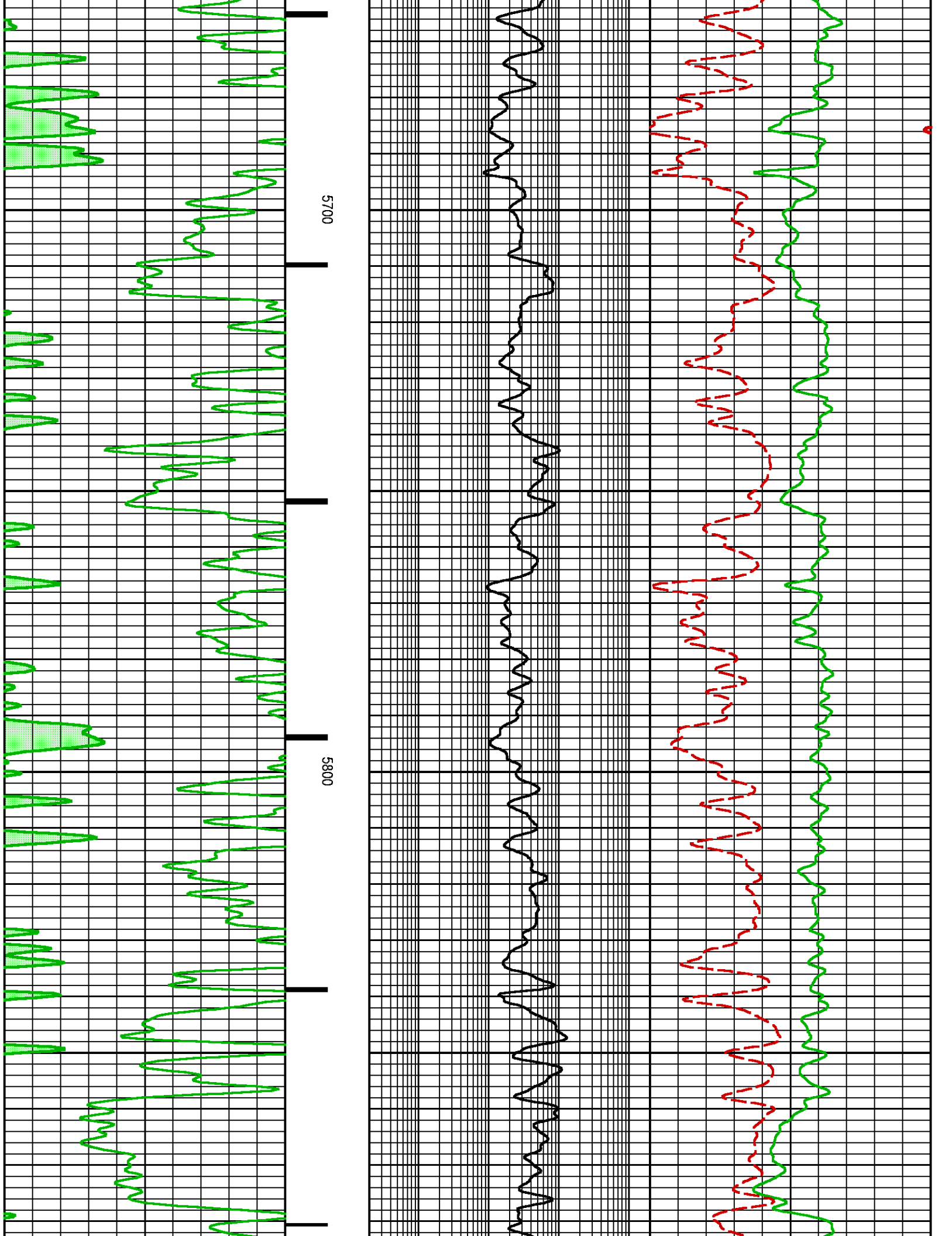


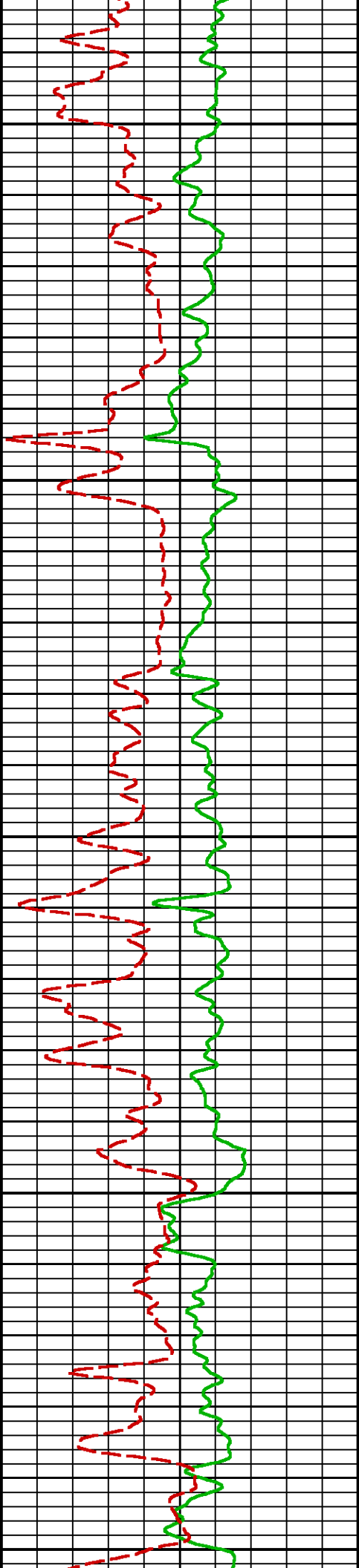
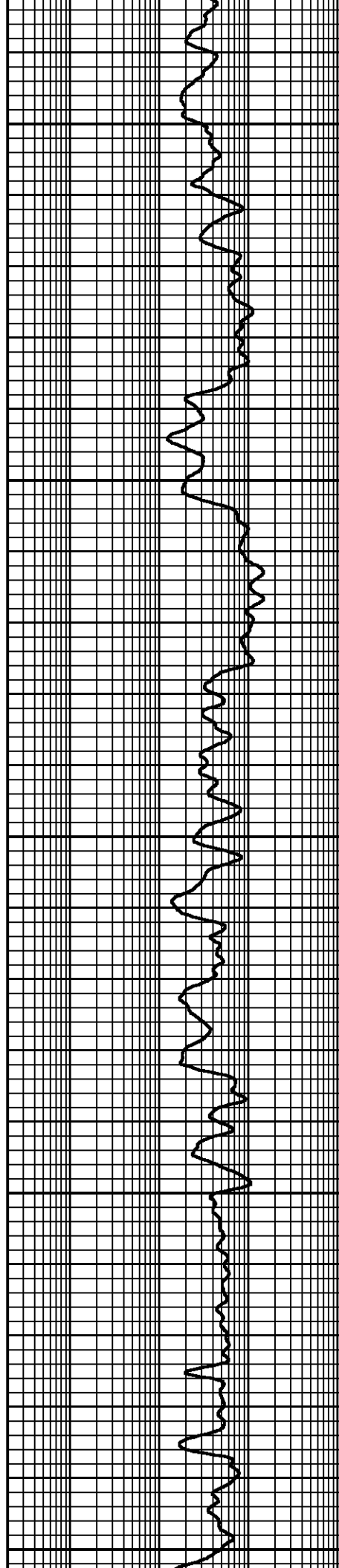
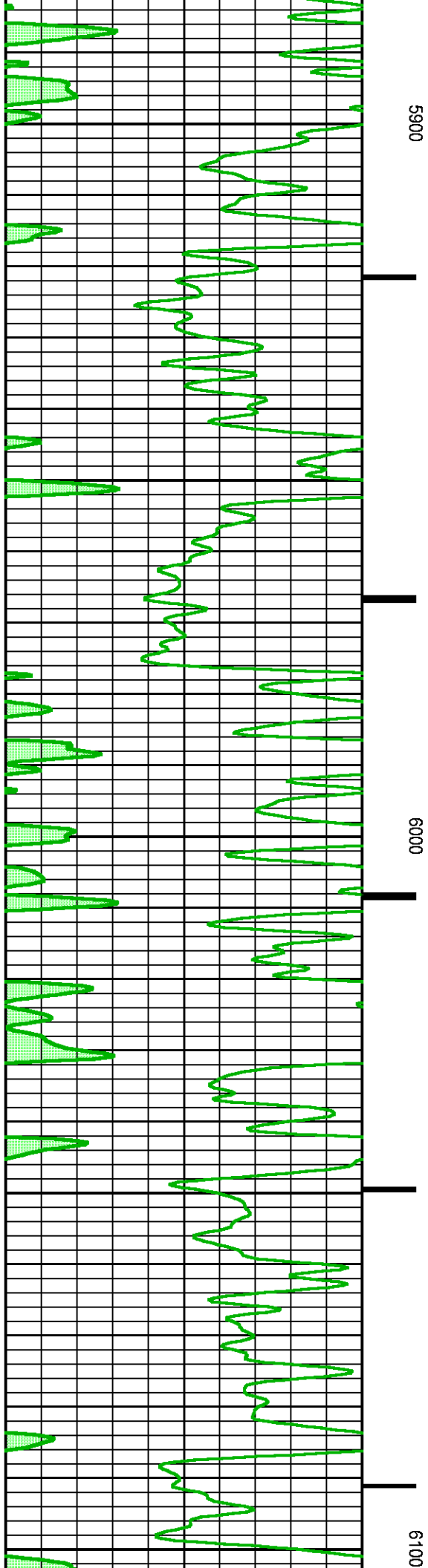


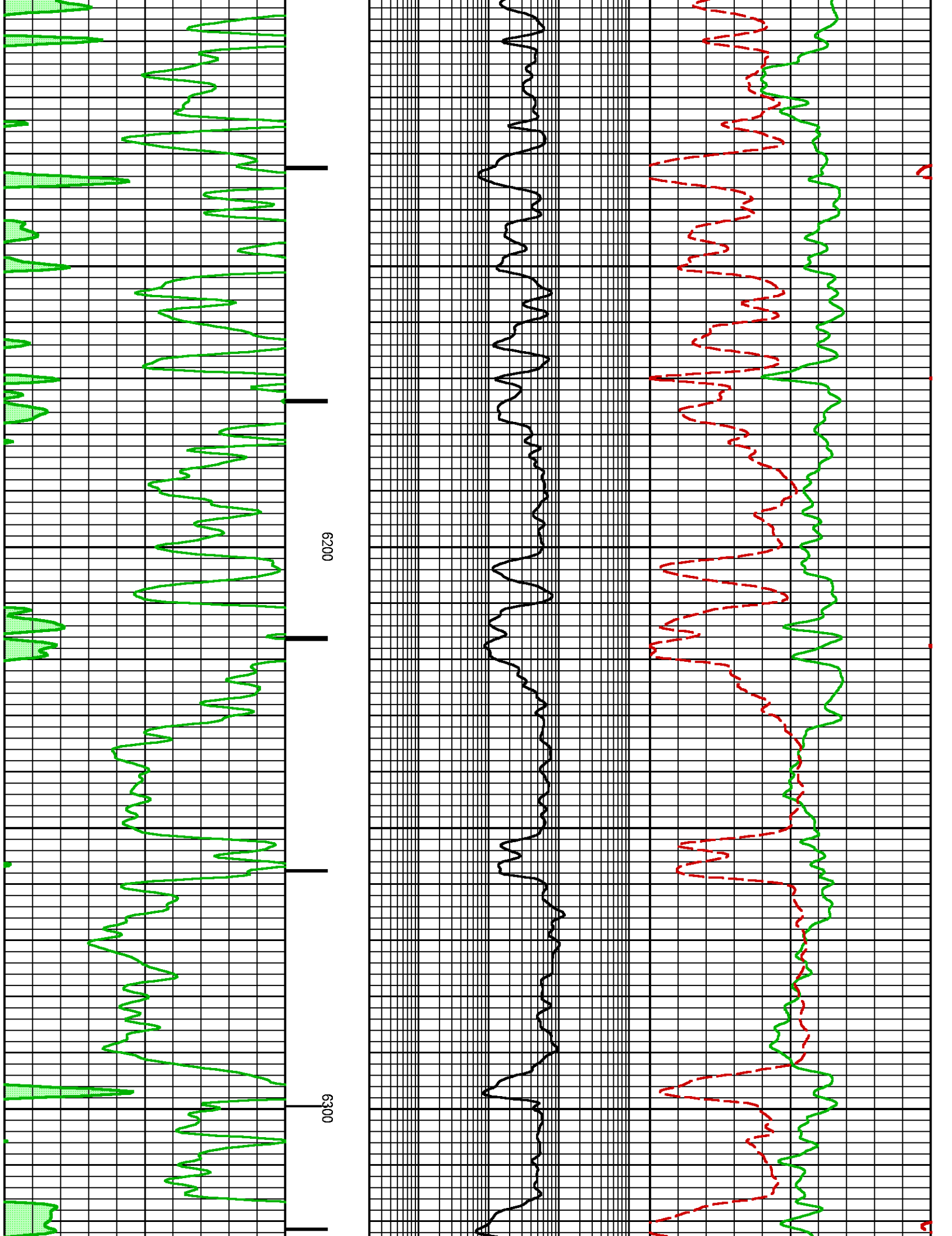


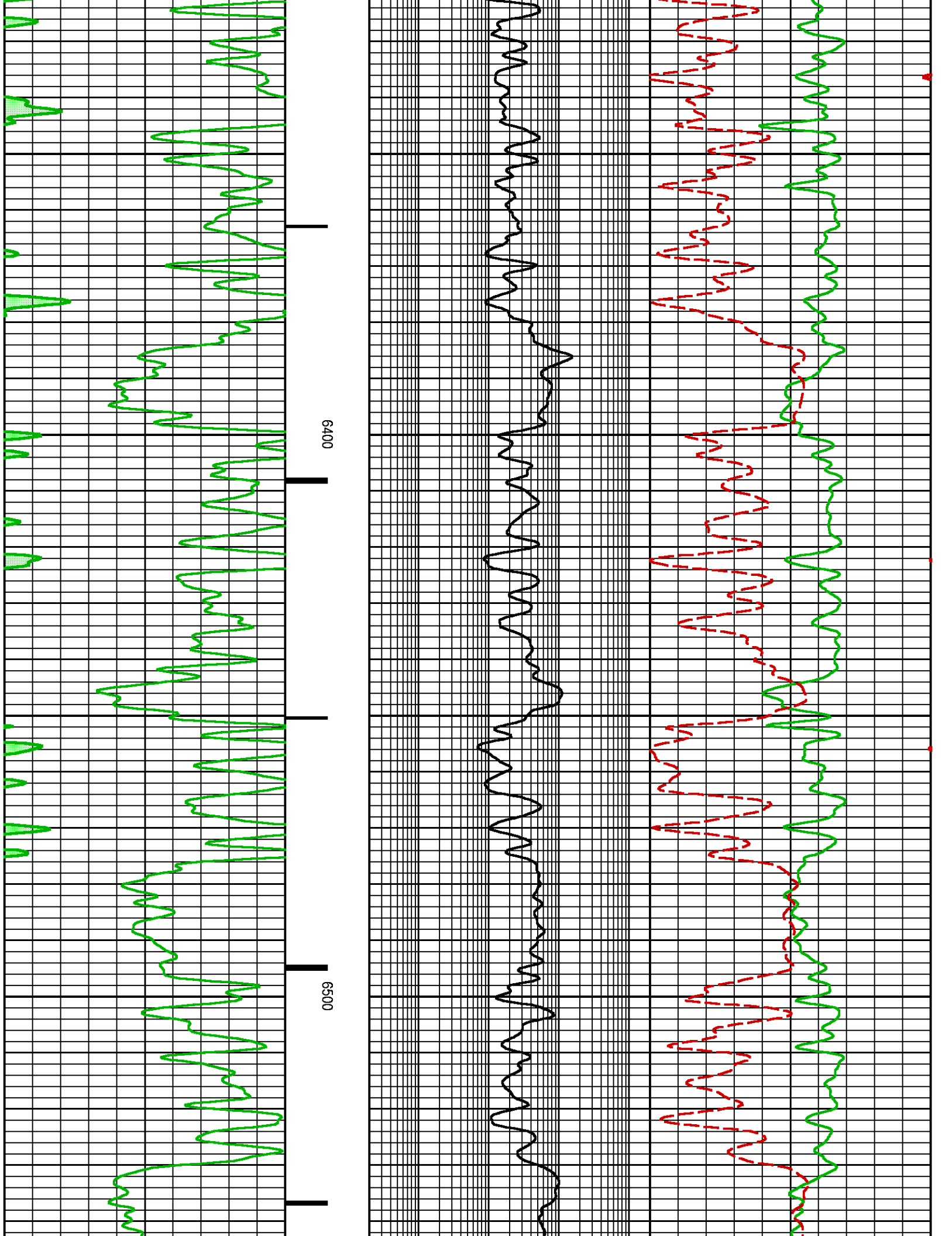


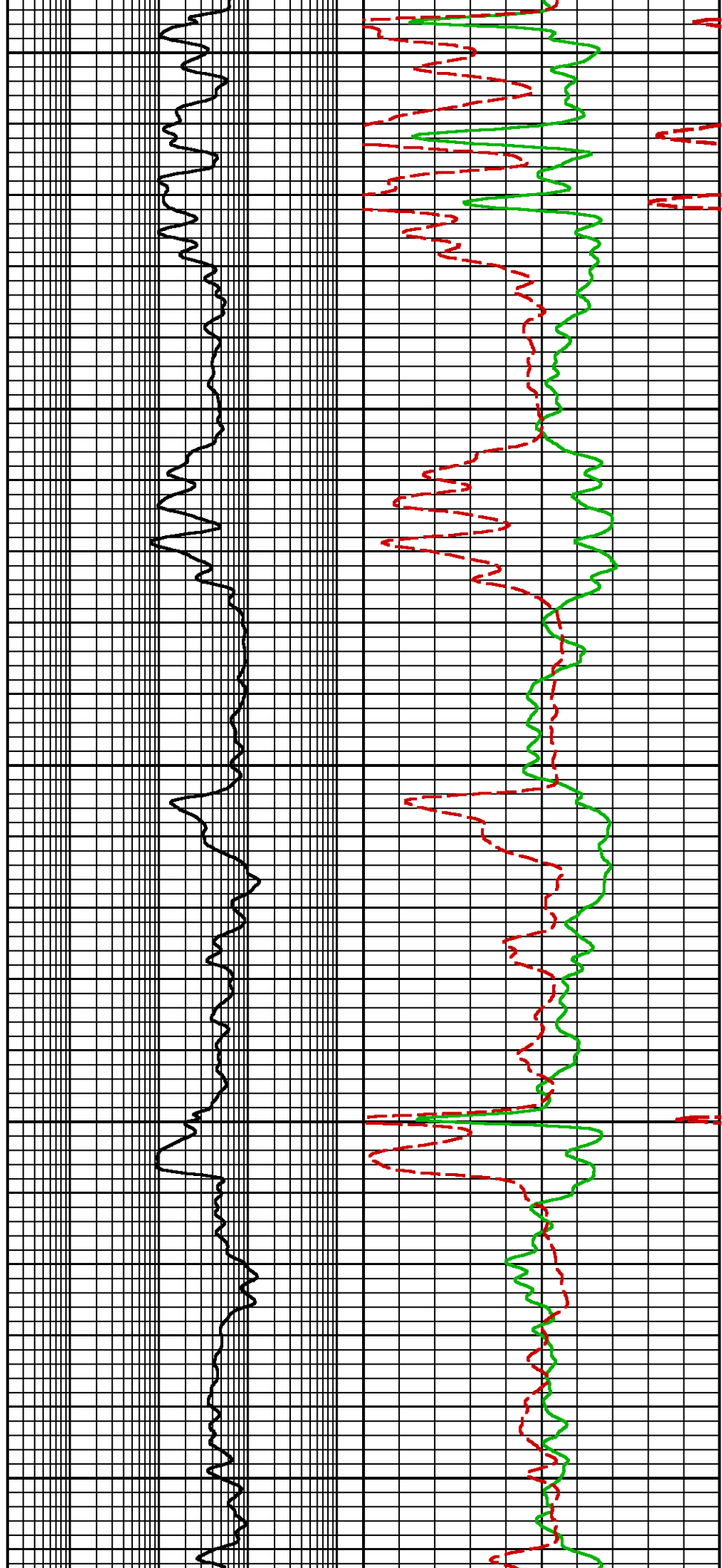
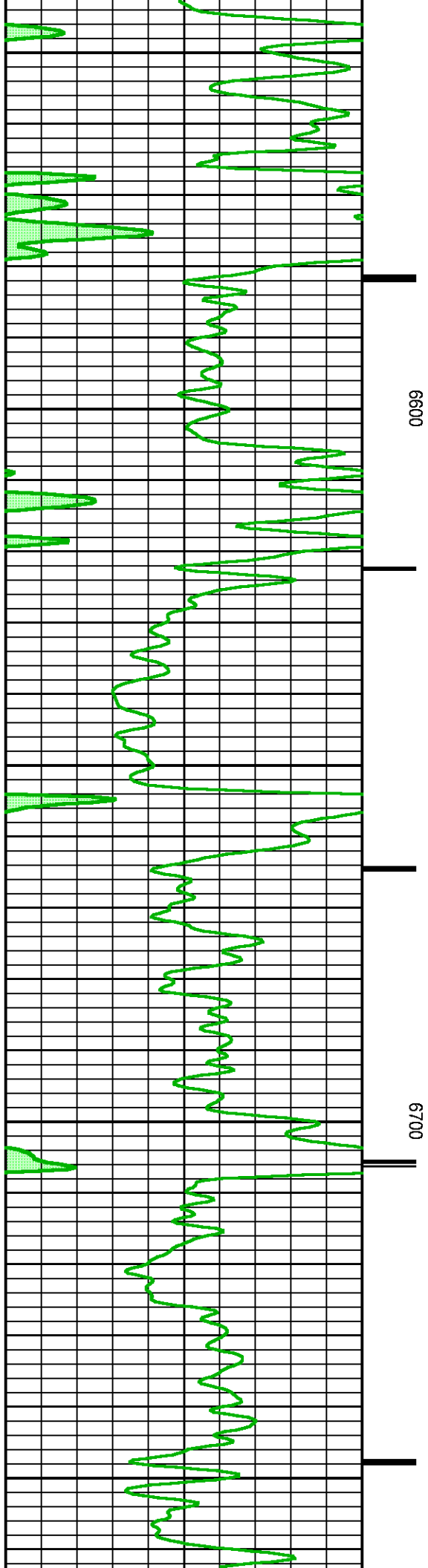


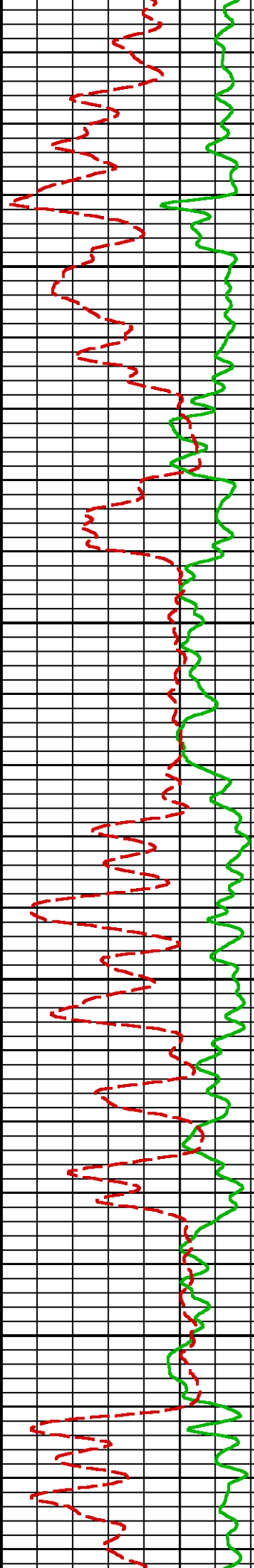
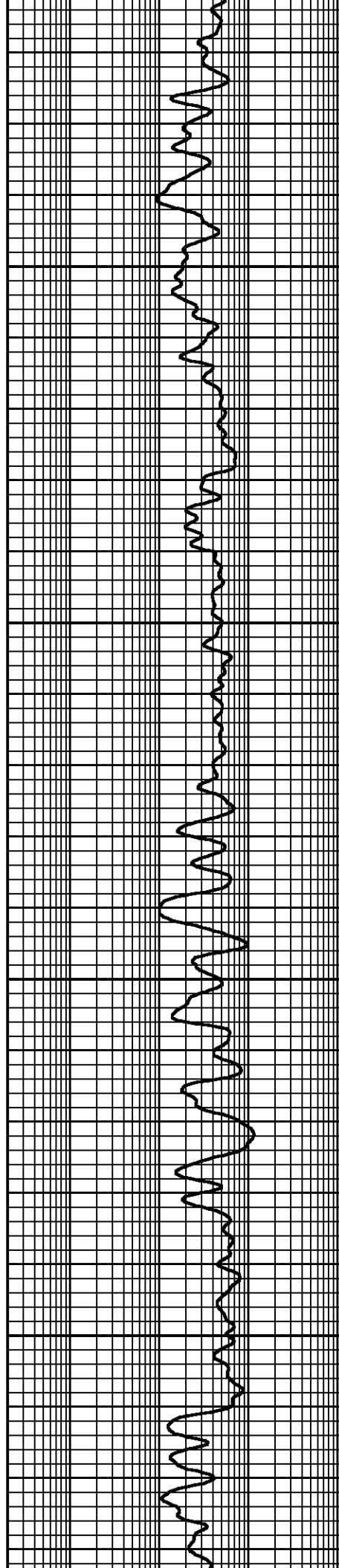
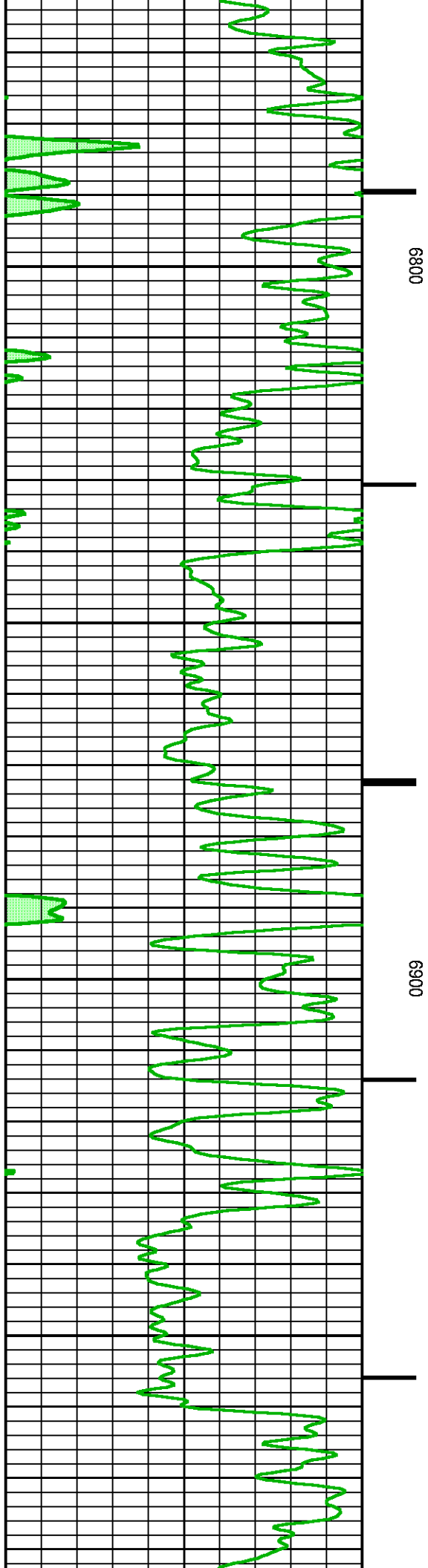




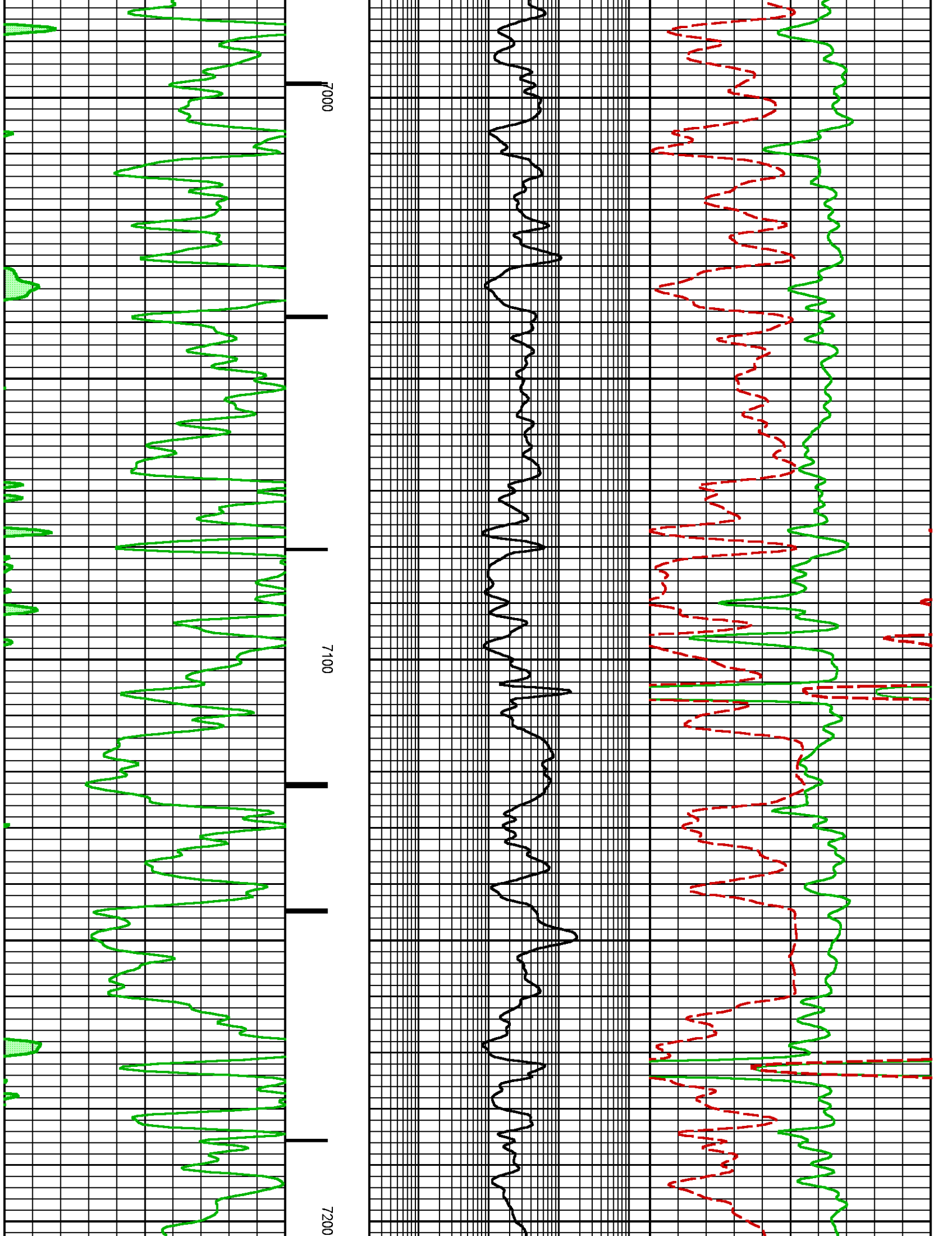


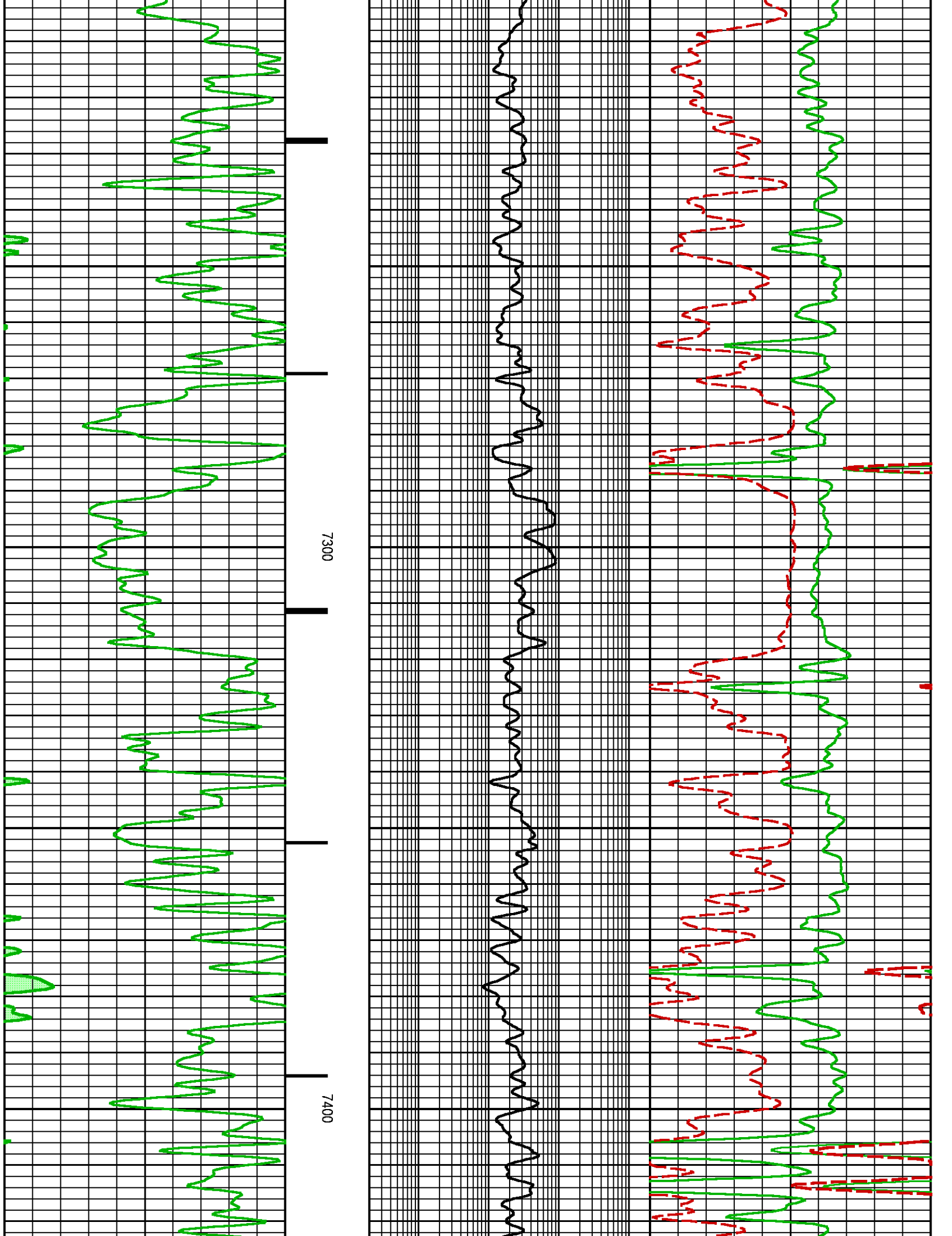


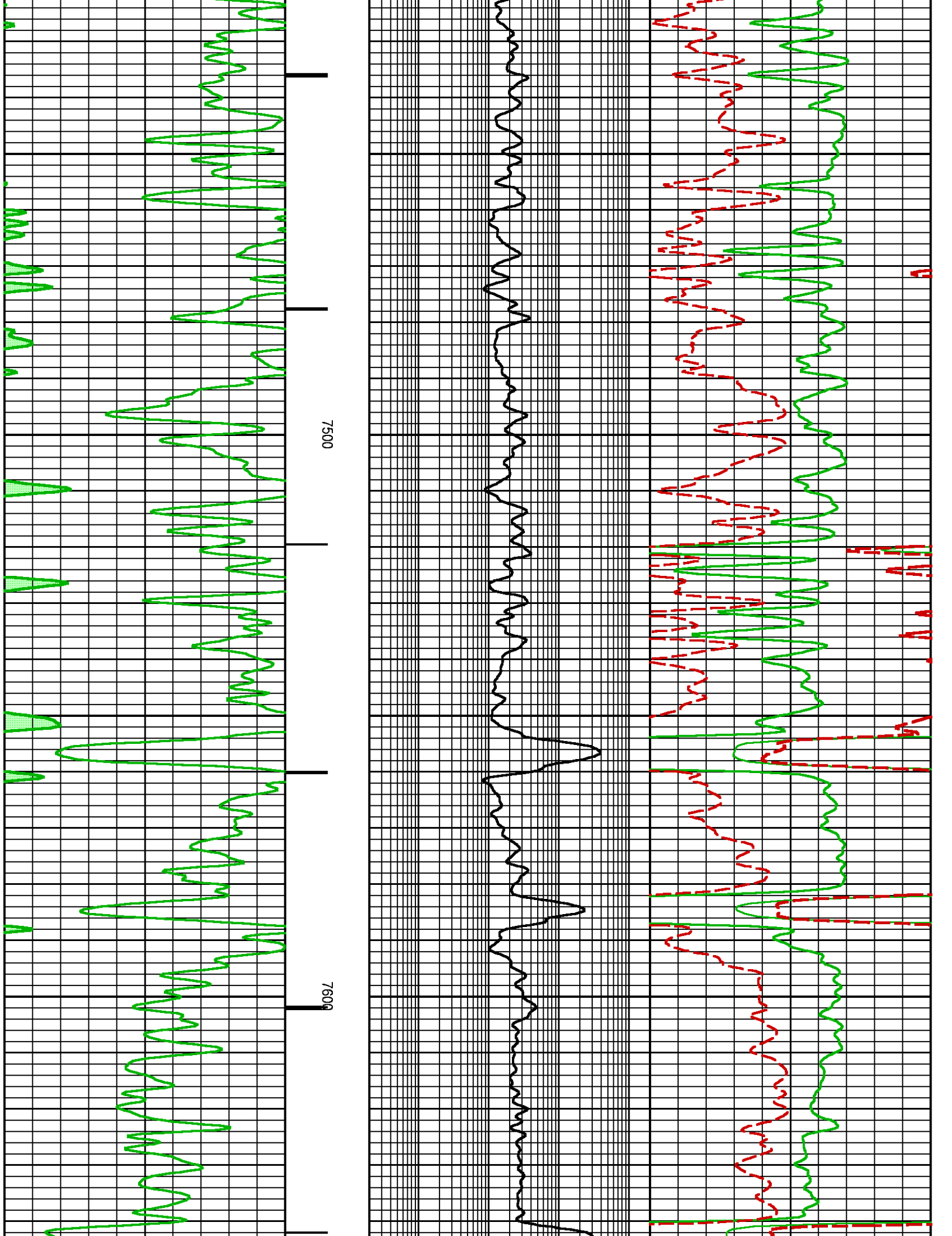


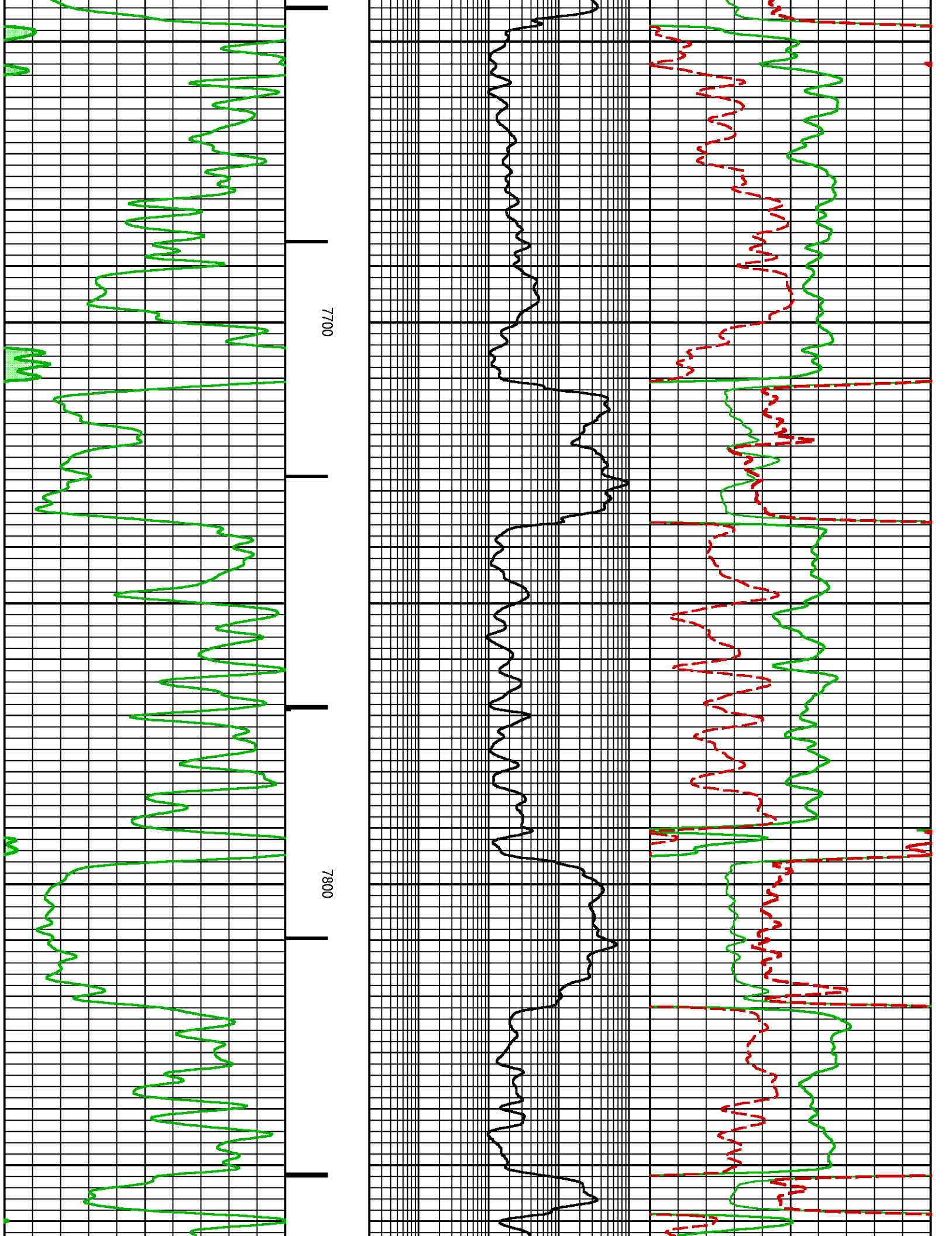


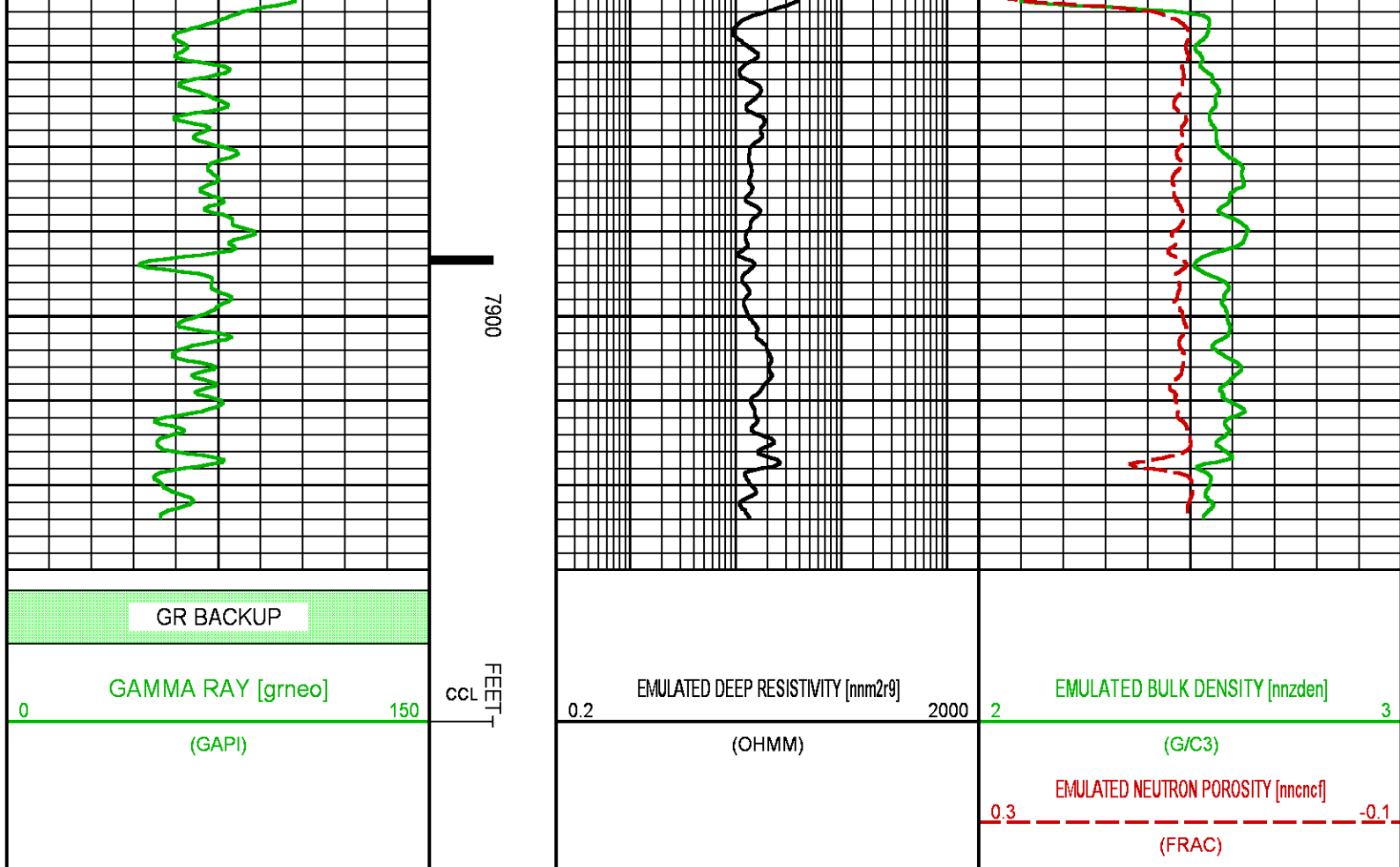


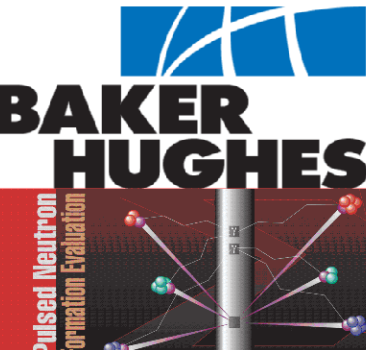










	<b>COMPANY</b> <u>LARAMIE ENERGY</u> <b>WELL</b> <u>PICEANCE FEDERAL 29-20E</u> <b>FIELD</b> <u>VEGA</u> <b>COUNTY</b> <u>MESA</u> <b>STATE</b> <u>COLORADO</u>		<b>FILE NO:</b> _____ <b>API NO:</b> <u>05-077-10363-0000</u>
	<b>LOCATION:</b> <u>SEE REMARKS</u>		<b>ELEVATIONS:</b> KB <u>7561 FT</u> DF _____ GL <u>7531 FT</u>
	<b>LAT</b> <u>39.248633</u> <b>LONG</b> <u>-107.788204</u>		
	<b>DATE</b> <u>1-JUN-2017</u>		