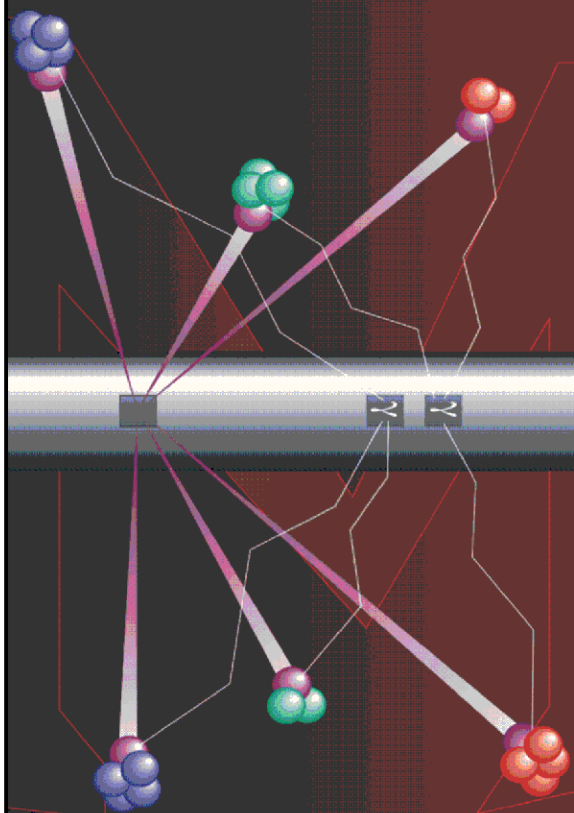


# Pulsed Neutron Formation Evaluation



## NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY II LLC

WELL SUP & SHEP 0993-25-19W

FIELD BUZZARD CREEK

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS SECTION

SEC 25 TWP 9S RGE 93W

ELEVATIONS:

KB 8108 FT DF GL 8078 FT

DATE 13-MAR-2019 ECC US146493

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>18-MAR-2019</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>ATUL GUPTA/US146493</u>	DATE: <u>13-MAR-2019</u>
FROM	TO		
<u>3097 FT</u>	<u>8731 FT</u>		

### REMARKS

LOCATION:  
SHL  
LAT: 39.244873 N  
LONG: 107.723223 W

TRAINING WELL: SUP & SHEP FEDERAL 25-11M

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

BOND LOG IS DEPTH REFERENCE LOG

# NEO RESULTS FOR SUP & SHEP 0993-25-19W (G-SAND)

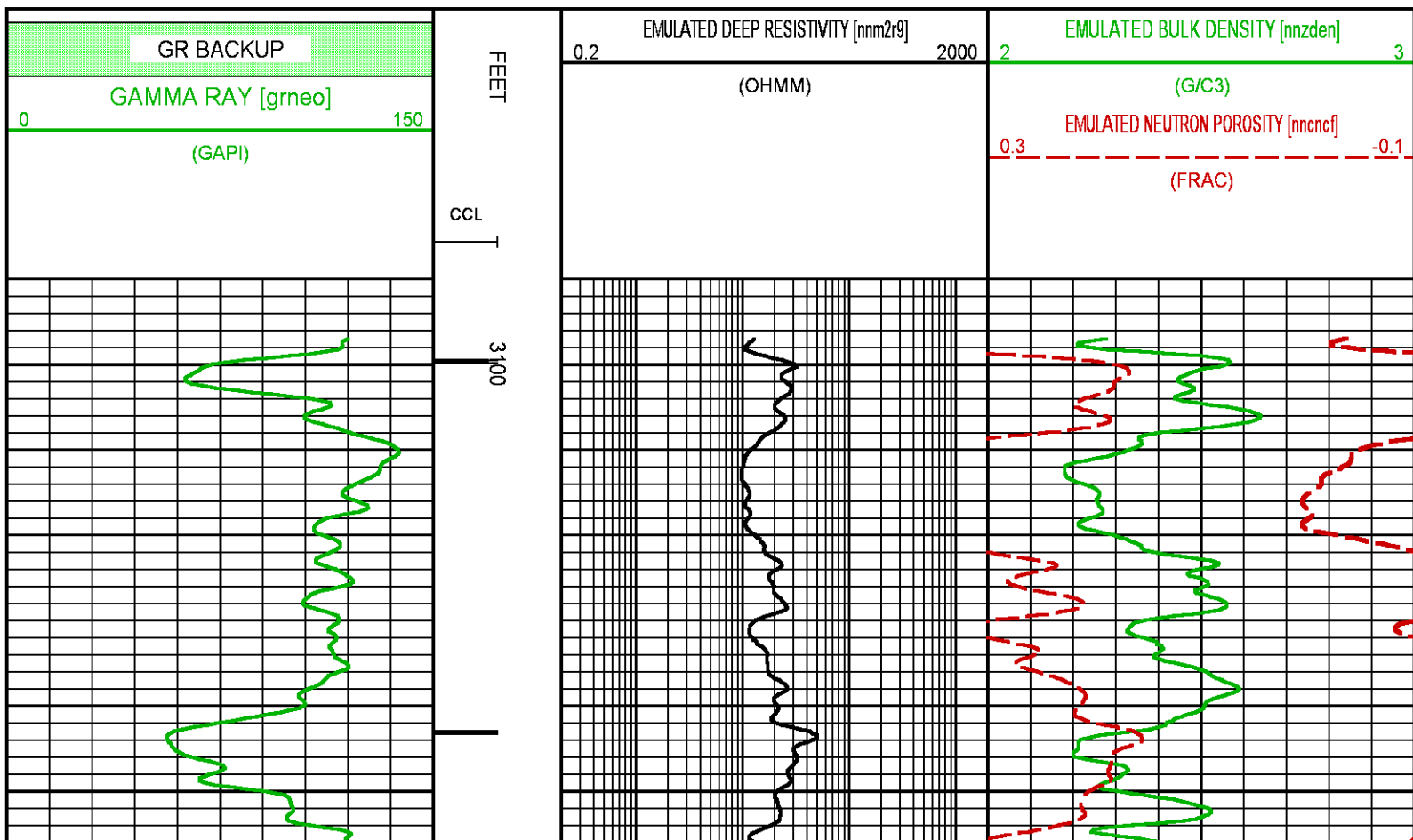
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

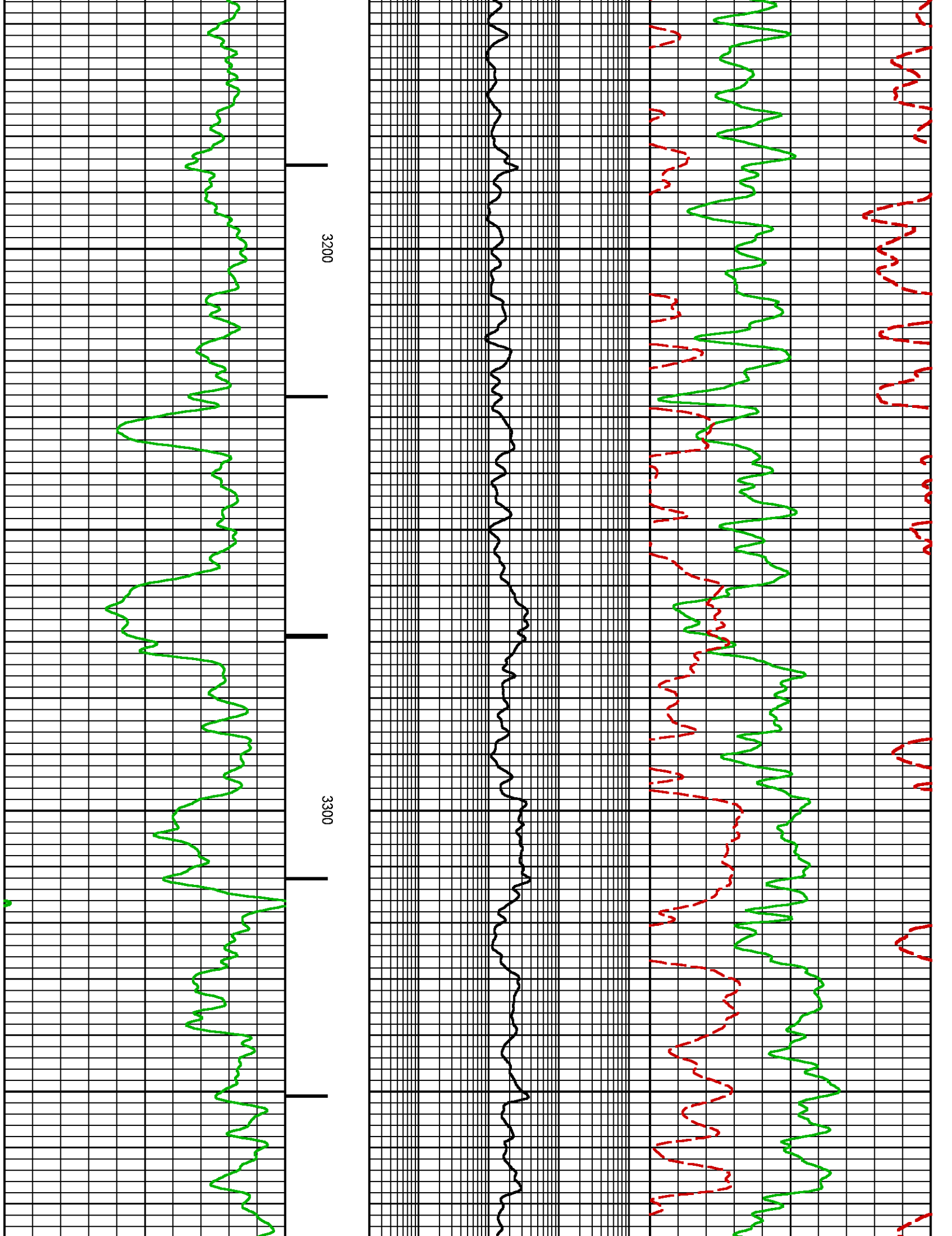
Plotted: Mon Mar 18 11:51:21 2019

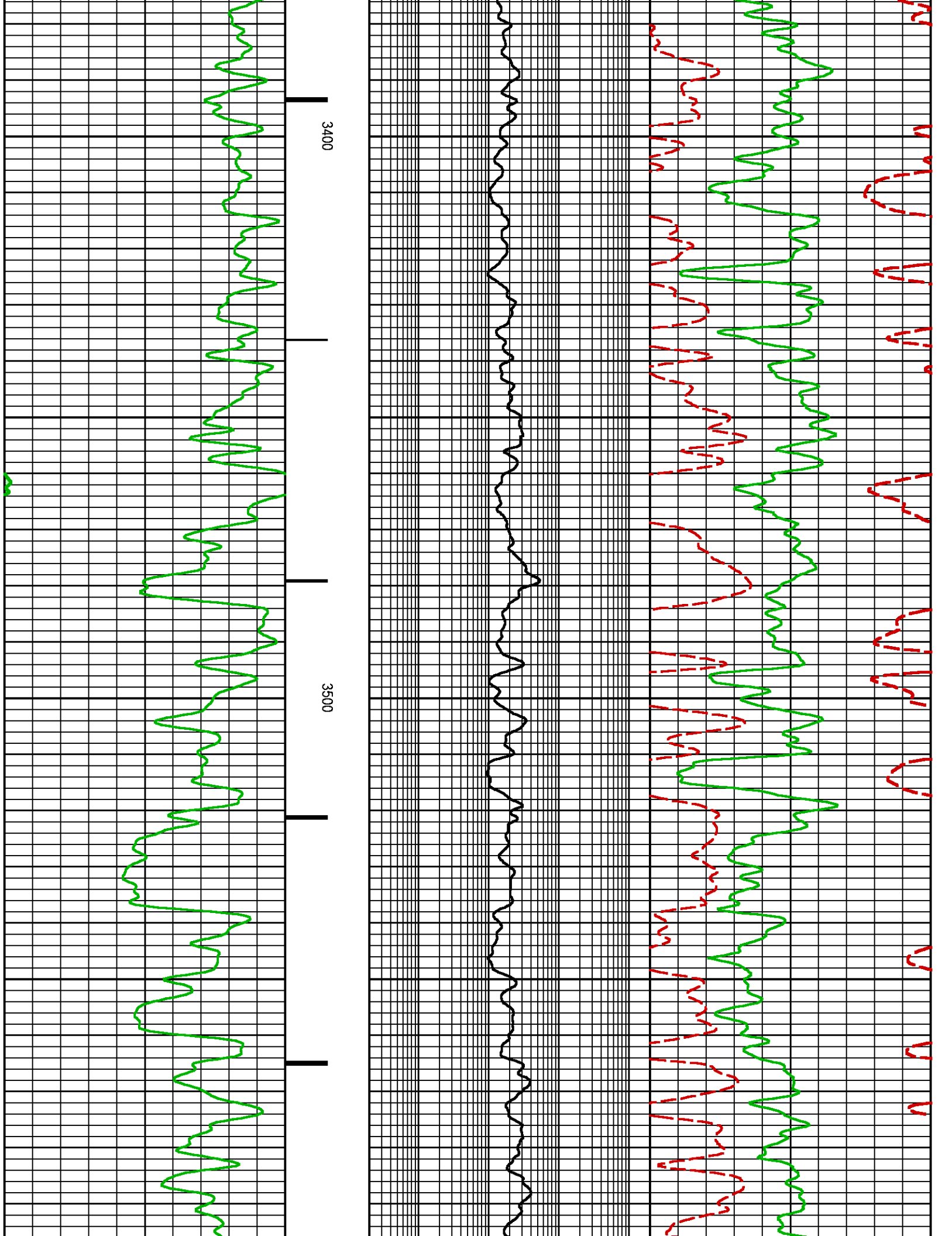
## CURVE MEASURE POINT OFFSET

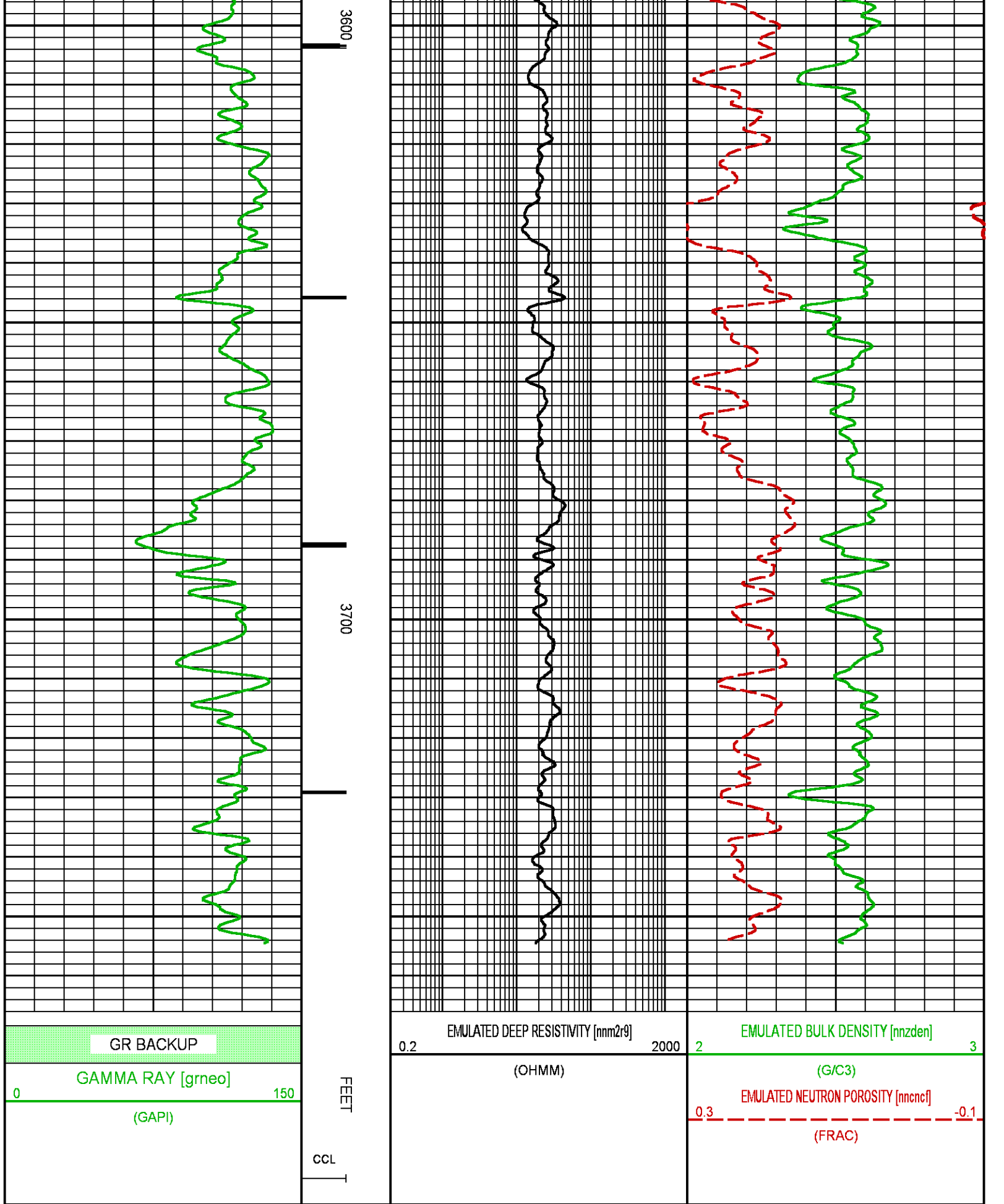
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNC	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

**Project** : NA  
**User** : kotoale  
**Presentation** : BHI1F65XZ1:D:\Ape\_Projects\LARAMIE\_SUP\_SHEP\_FEDERAL\_0993\_25\_19W\_NEO\NEO\_PRESENTATION\_LARAMIE\_G-Sand.pdf [5"/100' Scale]  
**Plot Interval** : 3090 - 3766 Feet  
**Data File 1** : F1 : BHI1F65XZ1:D:\Ape\_Projects\LARAMIE\_SUP\_SHEP\_FEDERAL\_0993\_25\_19W\_NEO\Merged\_Set\_Final.xtf  
**Created On** : Mar 18 11:45:42 2019  
**Company** : LARAMIE ENERGY LCC  
**Well** : SUP\_SHEP 0993-25-19W  
**Field** : MESA COUNTY  
**File Interval** : 3097 - 8731 Feet  
**OCT** : NA









# NEO RESULTS FOR SUP & SHEP 0993-25-19W(MAIN)

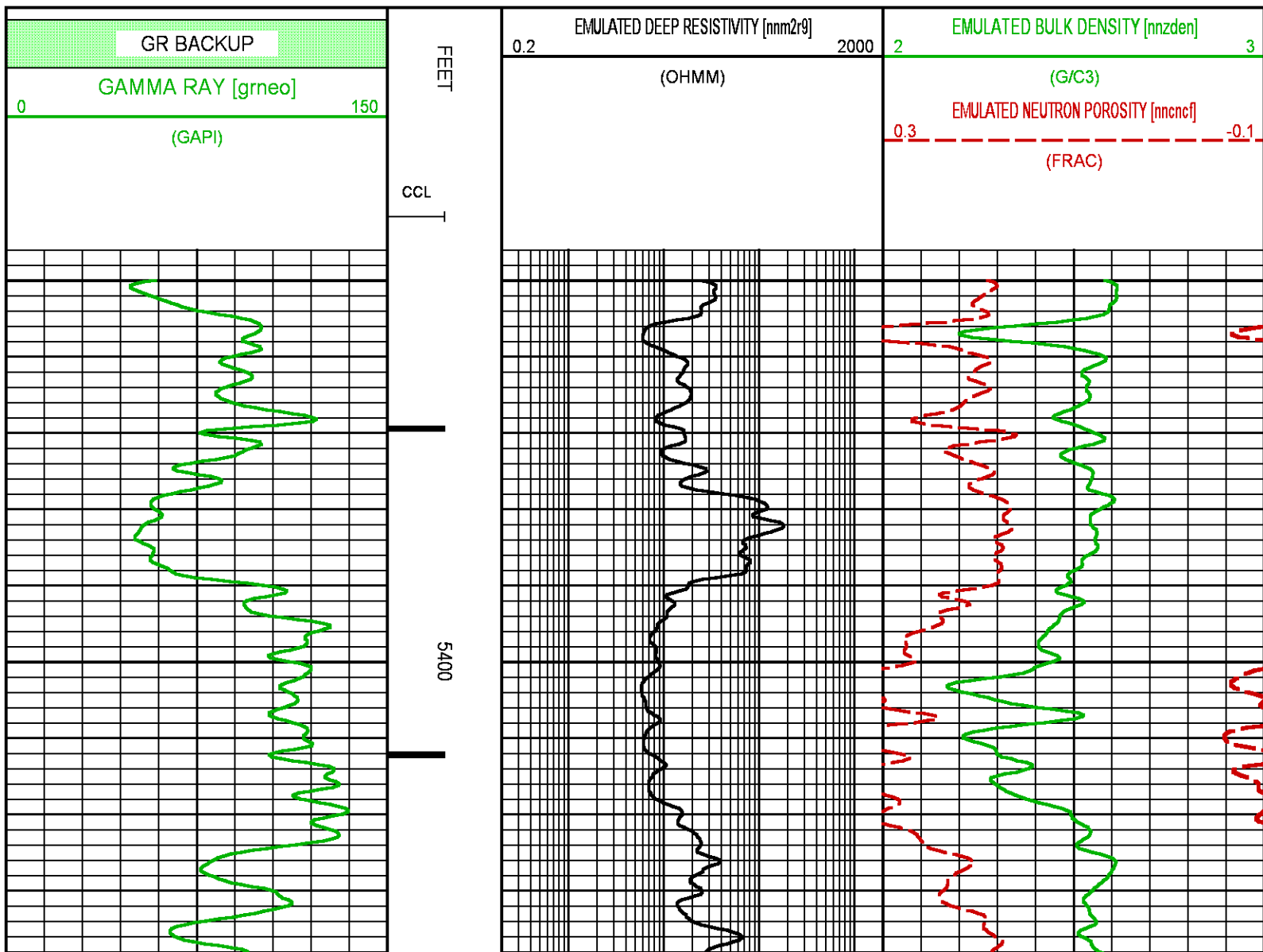
ECLIPS ECPLLOT from ECLIPS 7.0 WFM 6.0.7905.1 Wed 08/23/2017 09:02:35.01

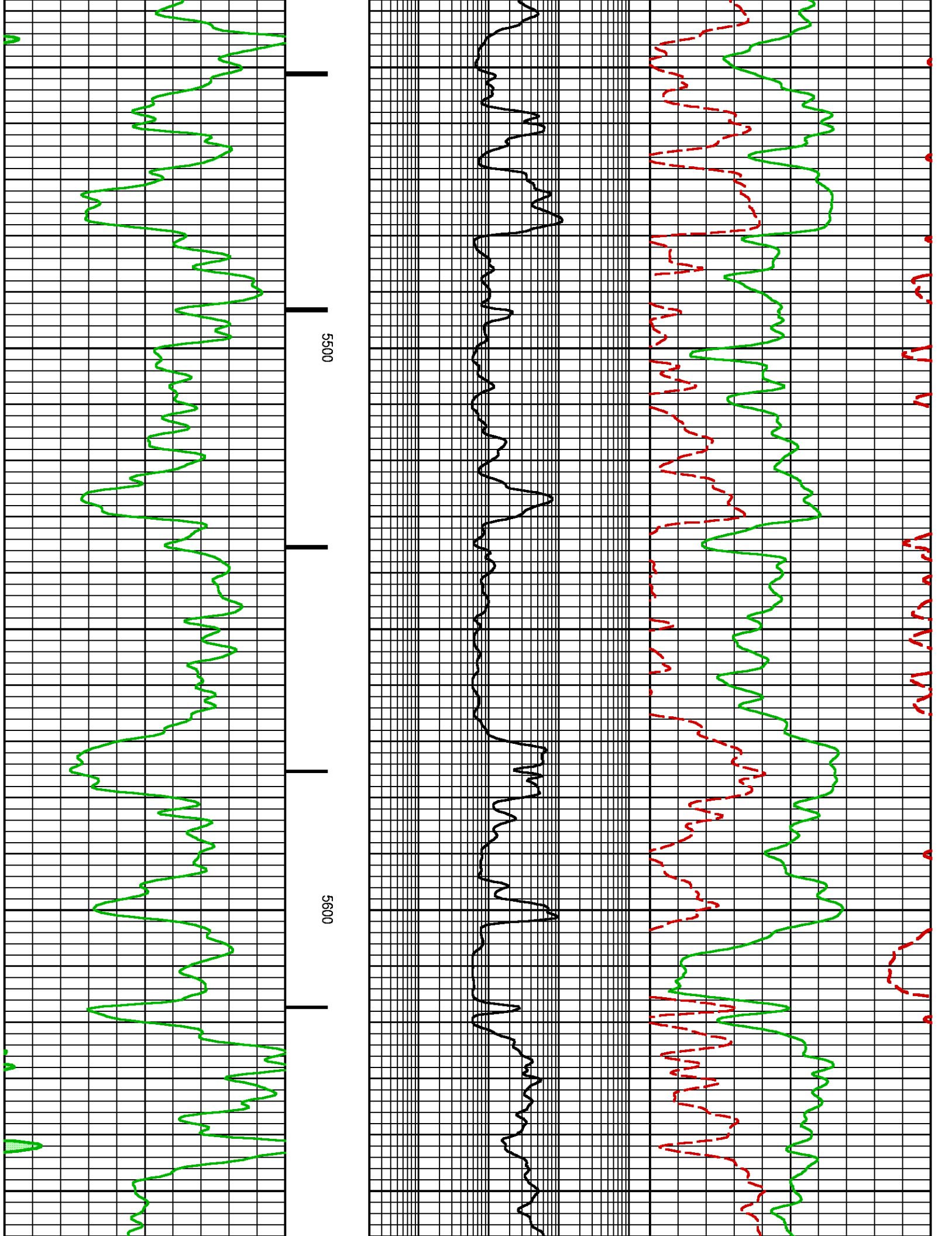
Plotted: Mon Mar 18 11:51:19 2019

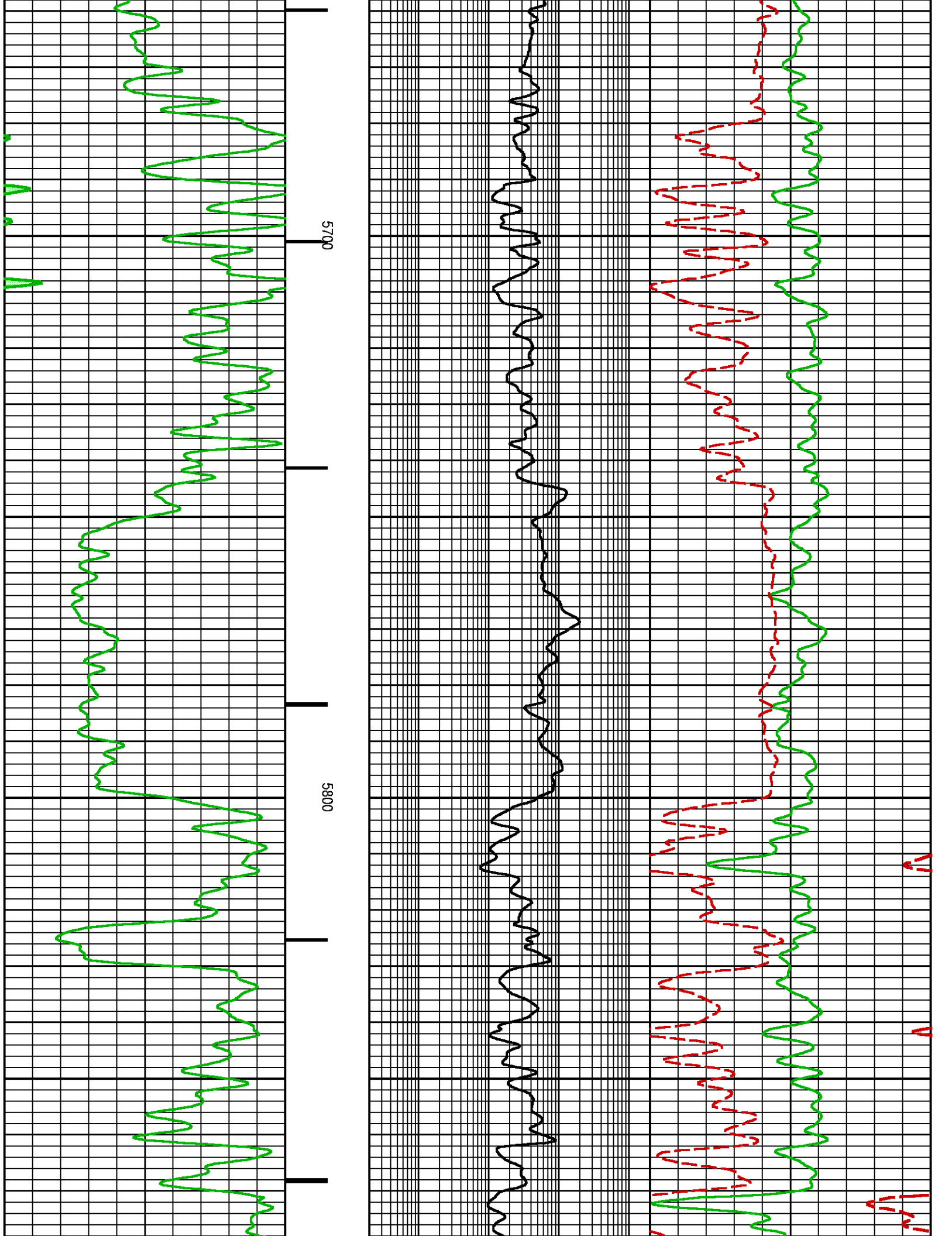
## CURVE MEASURE POINT OFFSET

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				

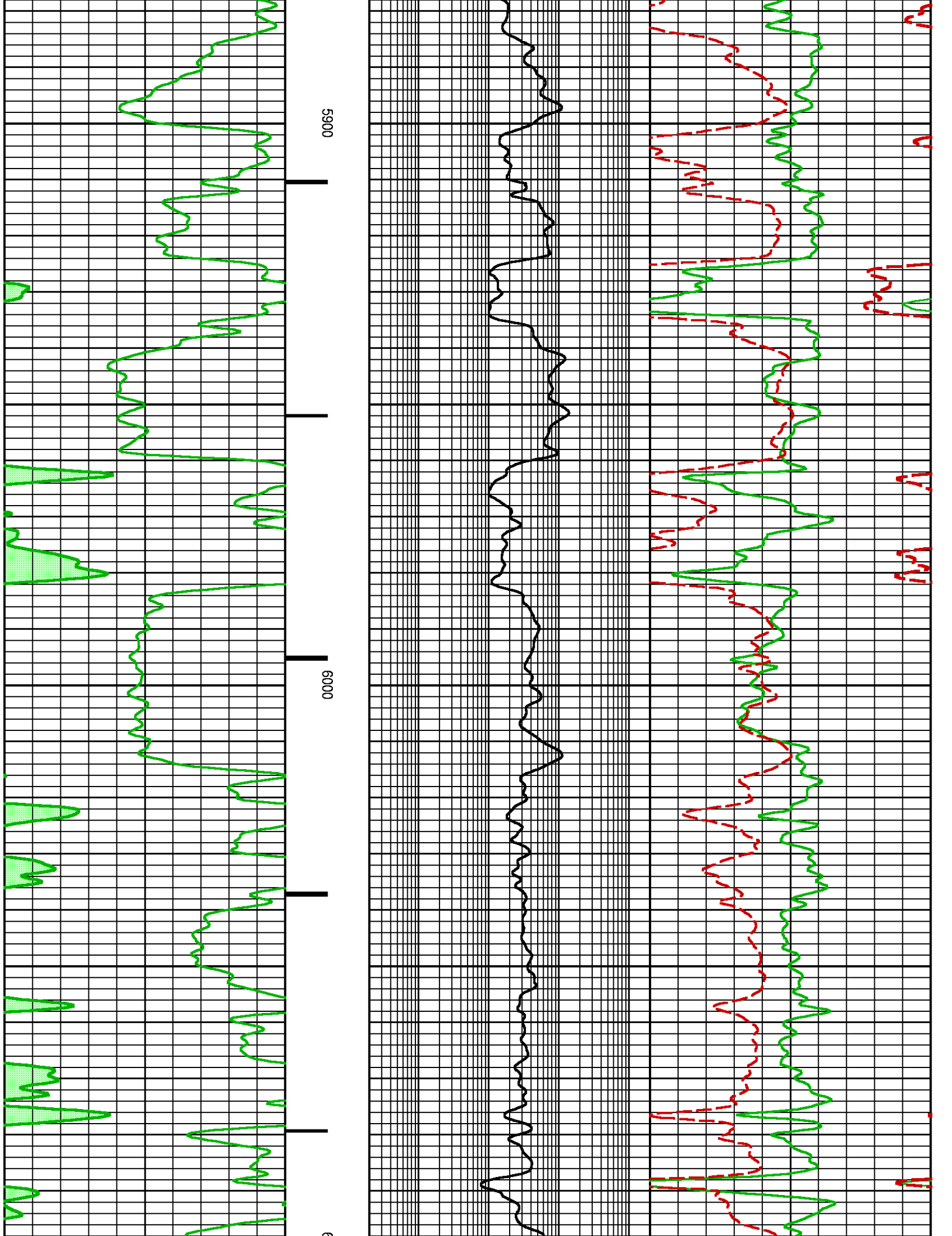
**Project** : NA  
**User** : kotoale  
**Presentation** : BHI1F65XZ1:D:\Ape\_Projects\LARAMIE\_SUP\_SHEP\_FEDERAL\_0993\_25\_19W\_NEO\NEO\_PRESENTATION\_LARAMIE\_MAIN.pdf [5"/100" Scale]  
**Plot Interval** : 5346 - 8755 Feet  
**Data File 1** : F1 : BHI1F65XZ1:D:\Ape\_Projects\LARAMIE\_SUP\_SHEP\_FEDERAL\_0993\_25\_19W\_NEO\Merged\_Set\_Final.xtf  
**Created On** : Mar 18 11:45:42 2019  
**Company** : LARAMIE ENERGY LCC  
**Well** : SUP\_SHEP 0993-25-19W  
**Field** : MESA COUNTY  
**File Interval** : 3097 - 8731 Feet  
**OCT** : NA

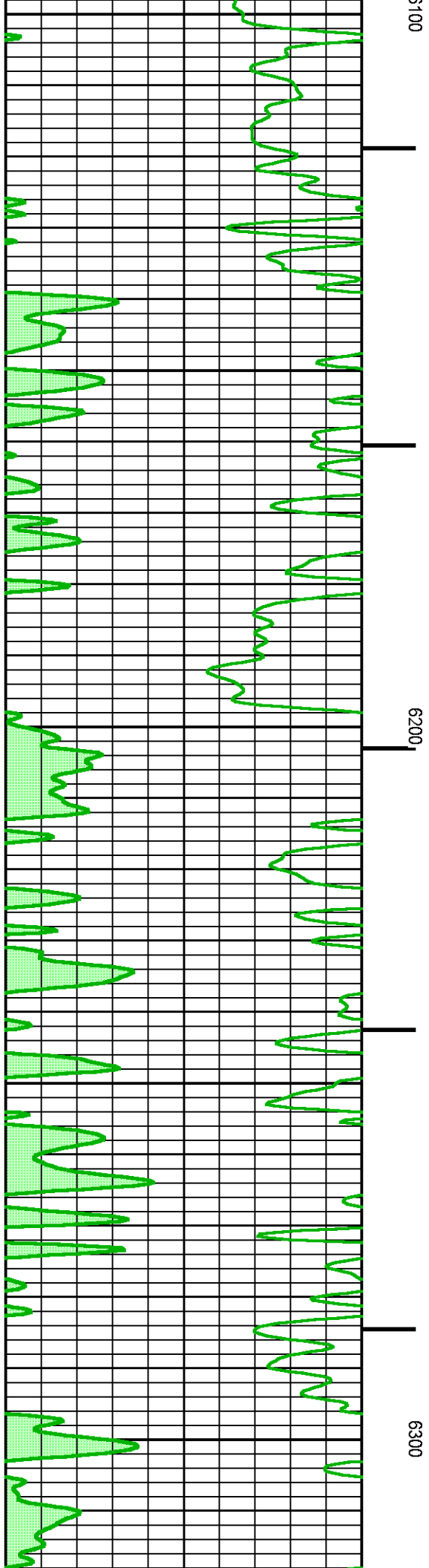
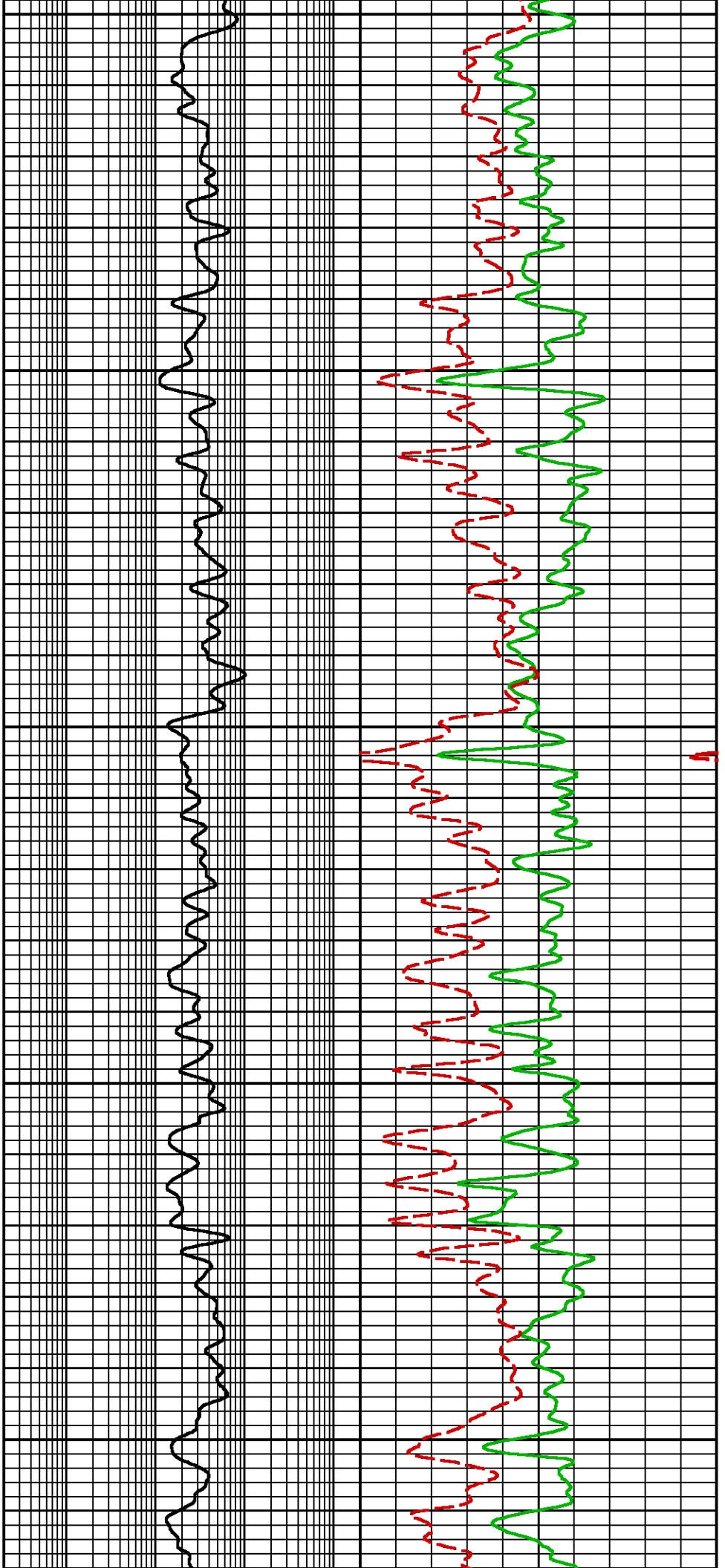


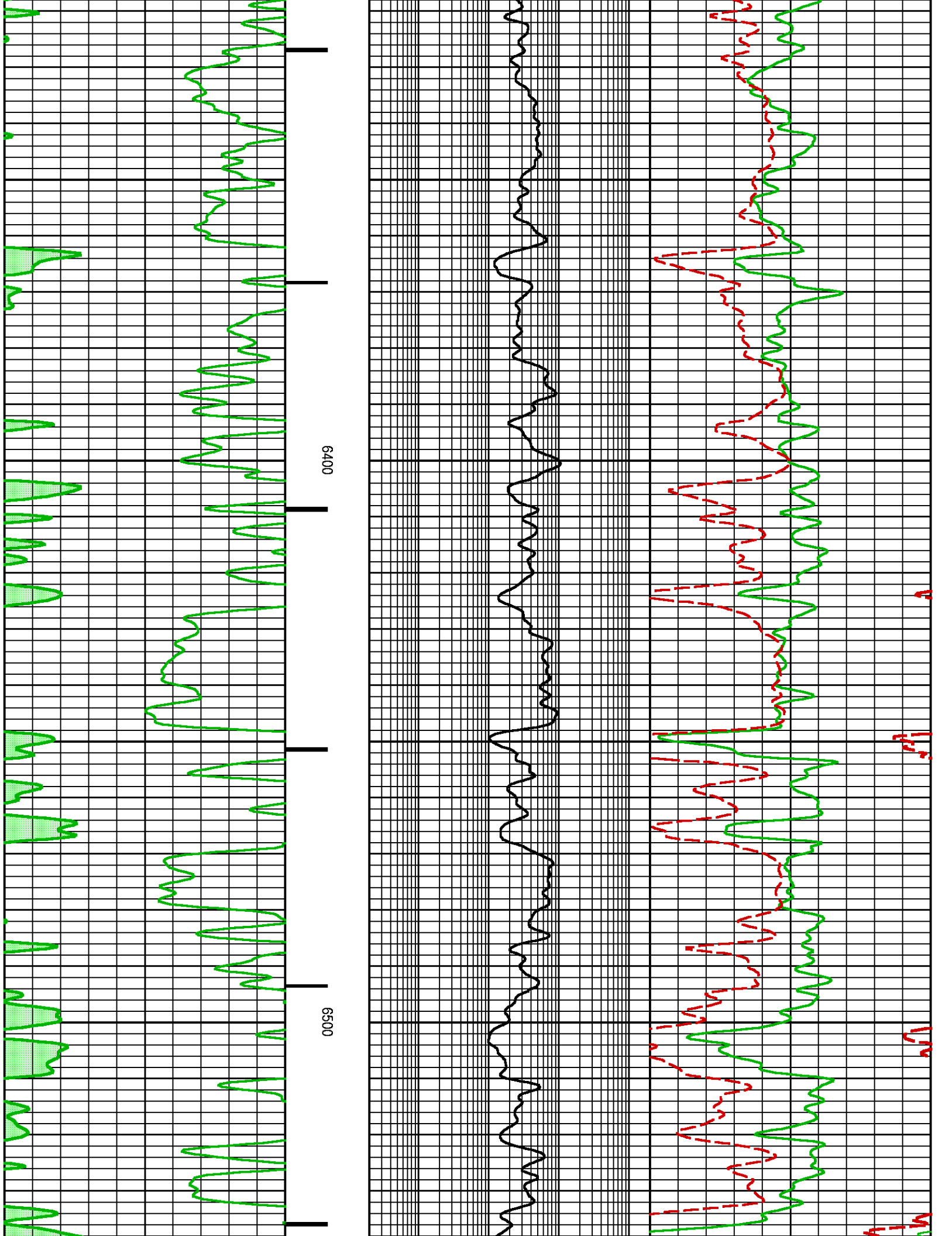


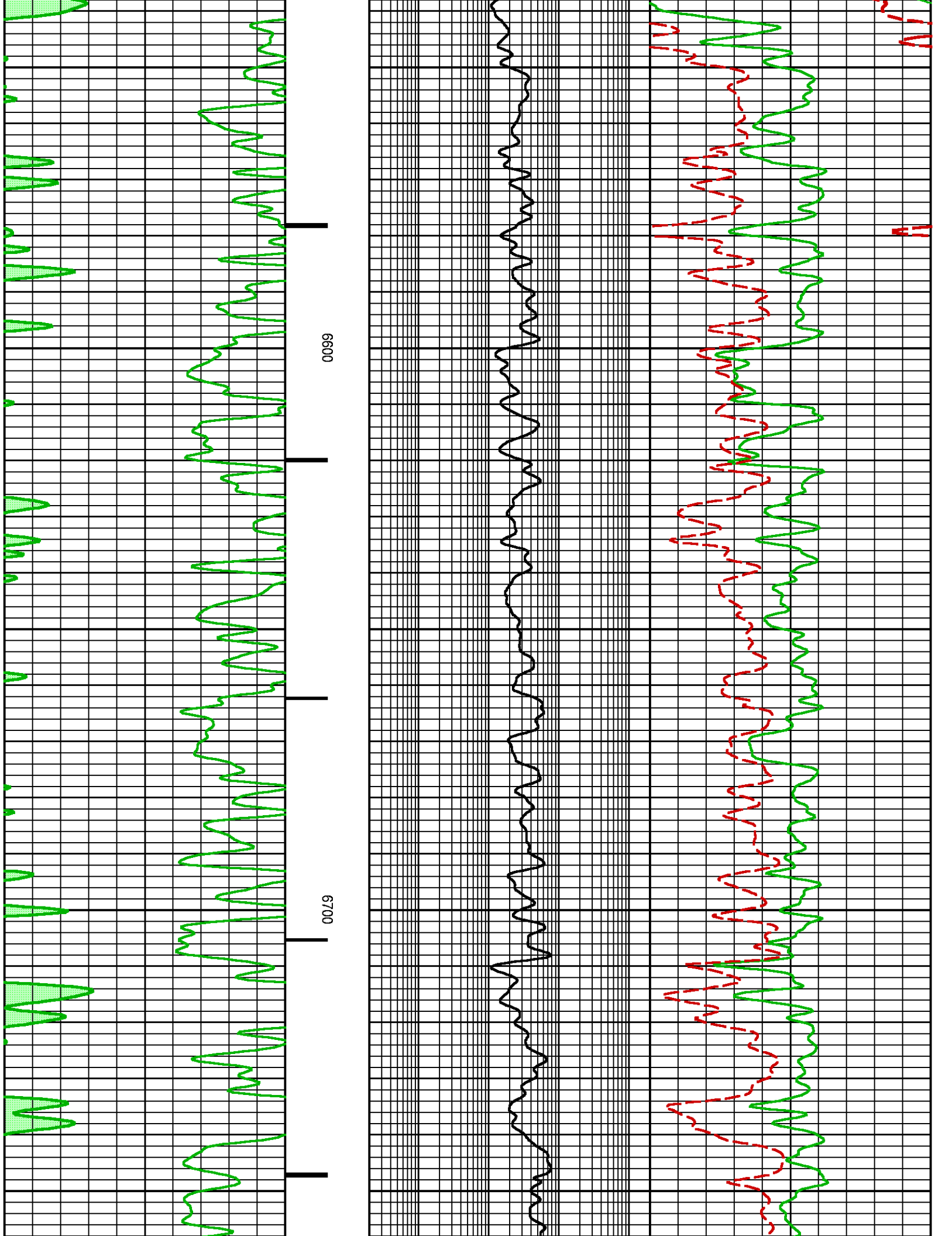


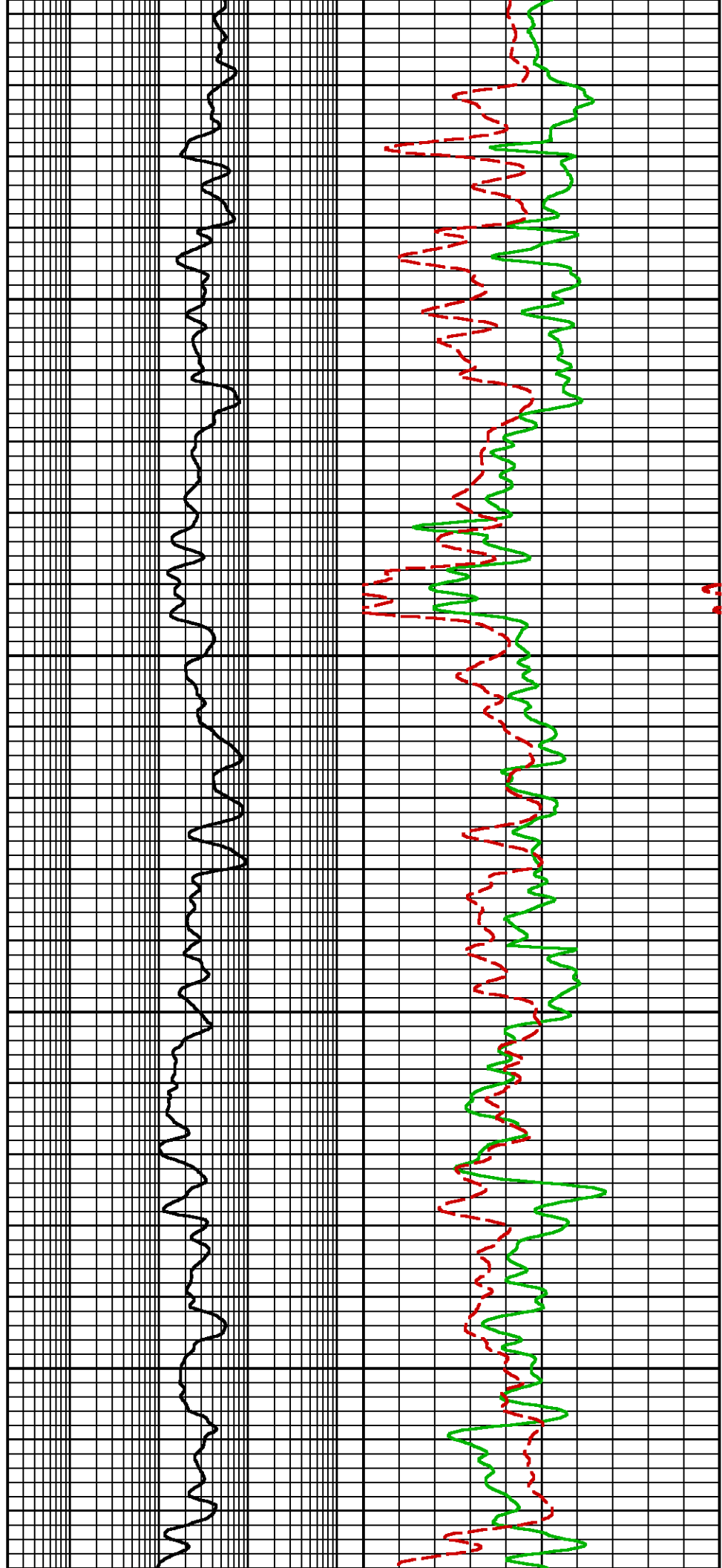
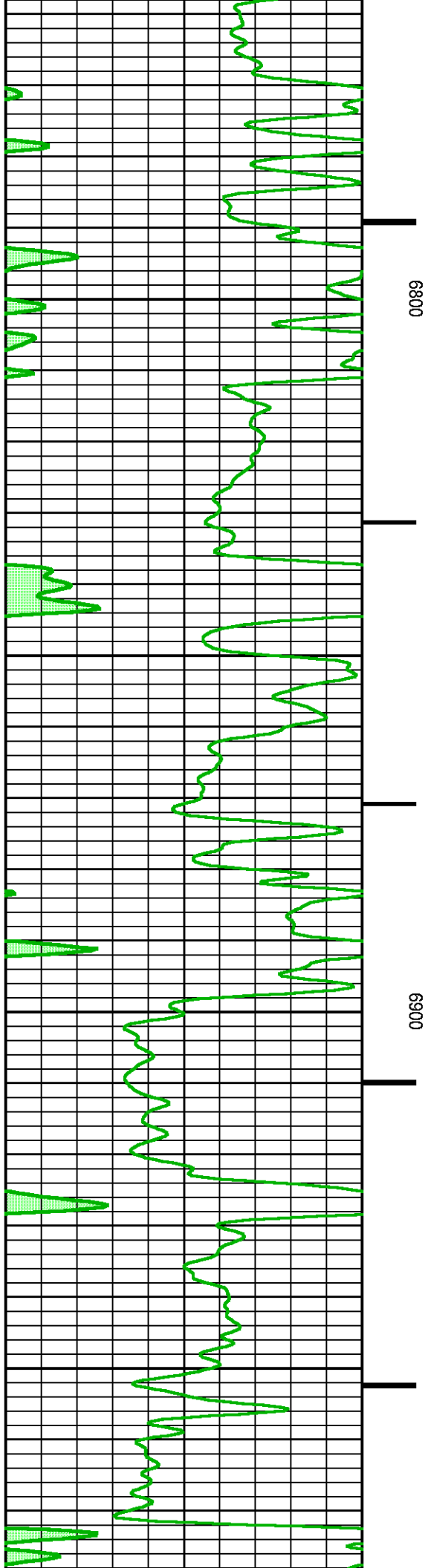


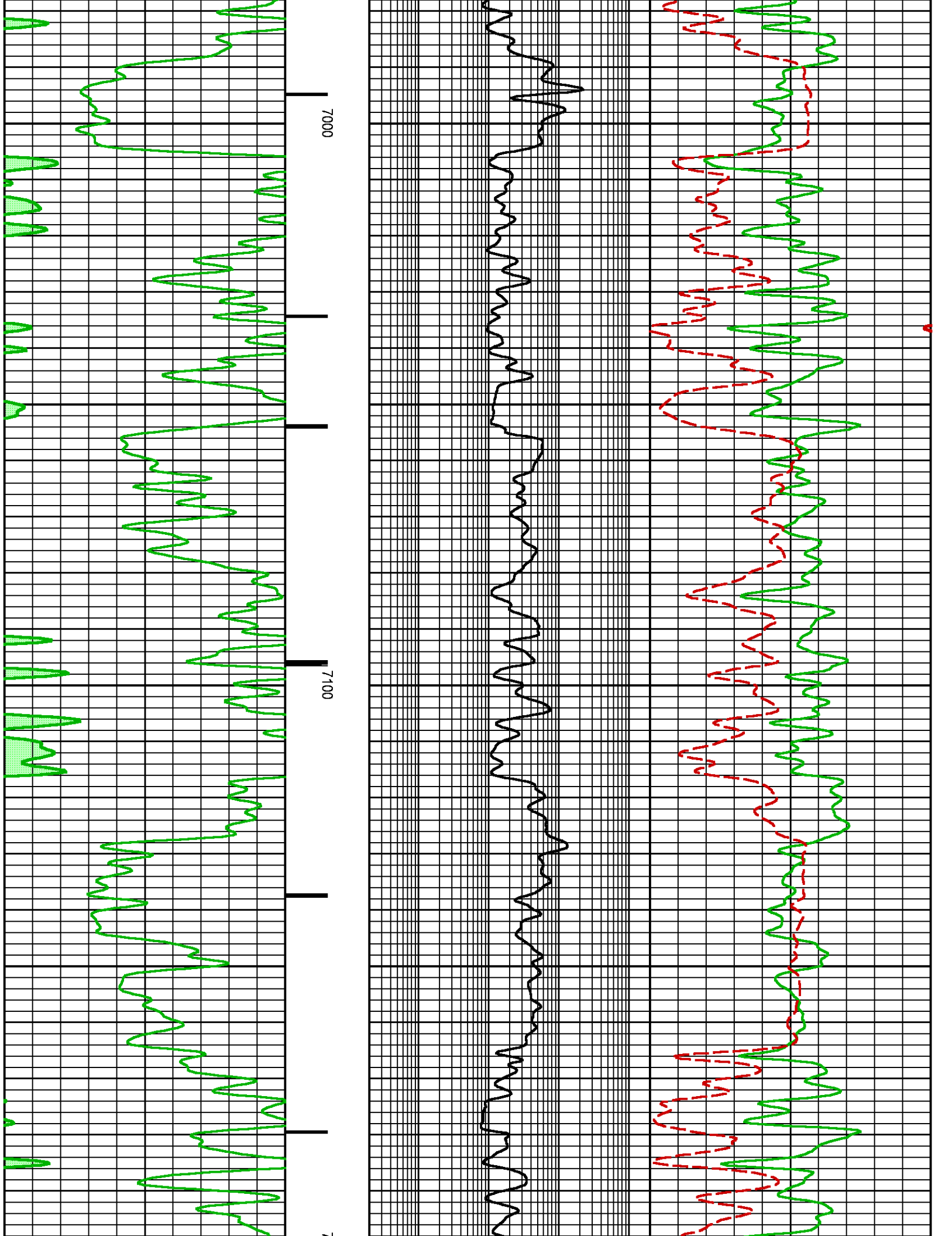


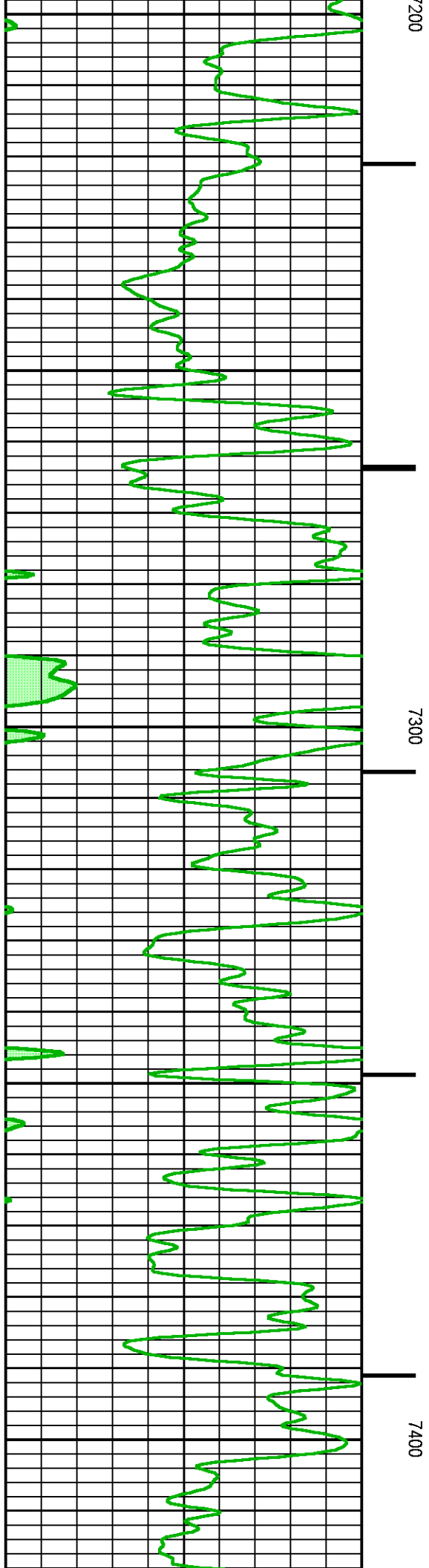
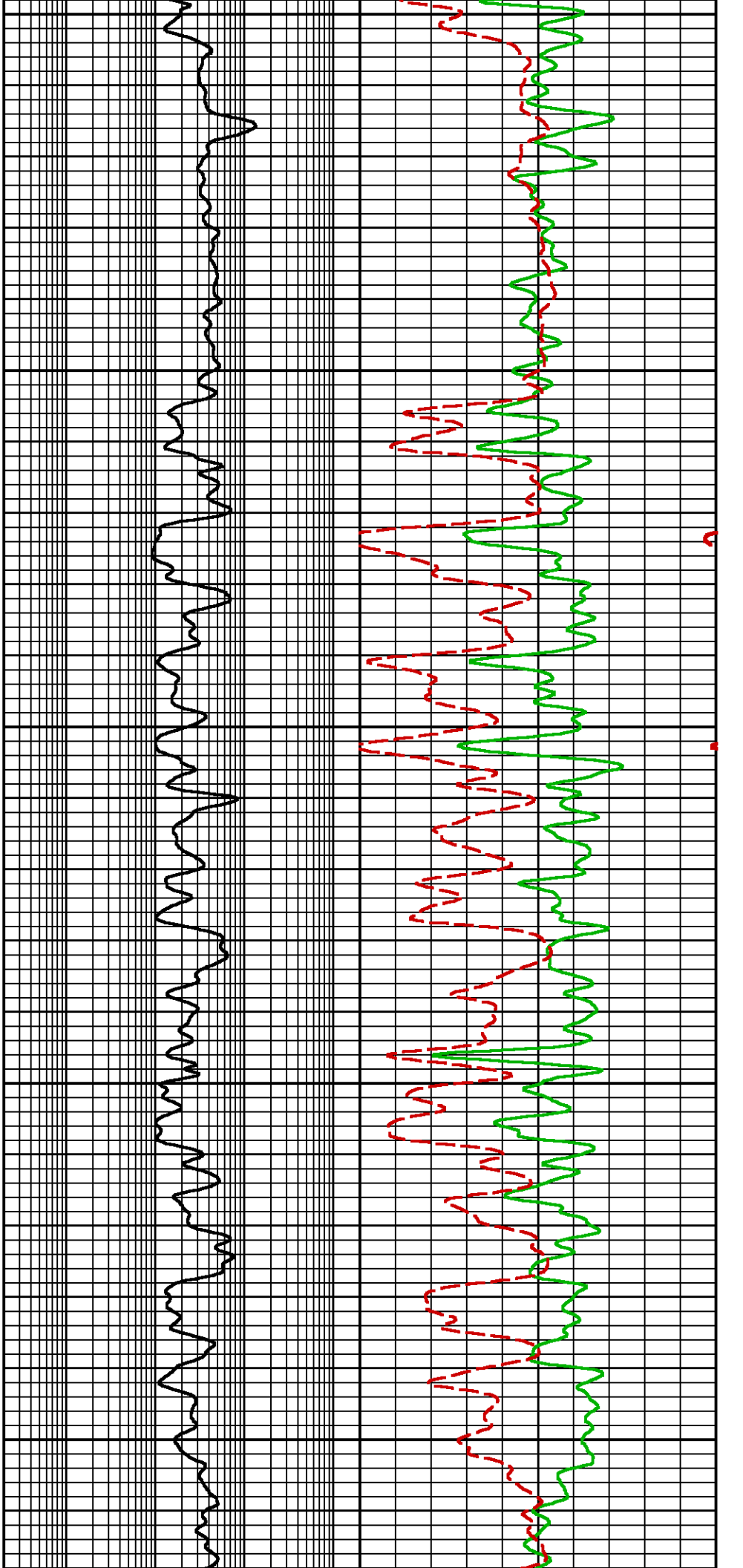


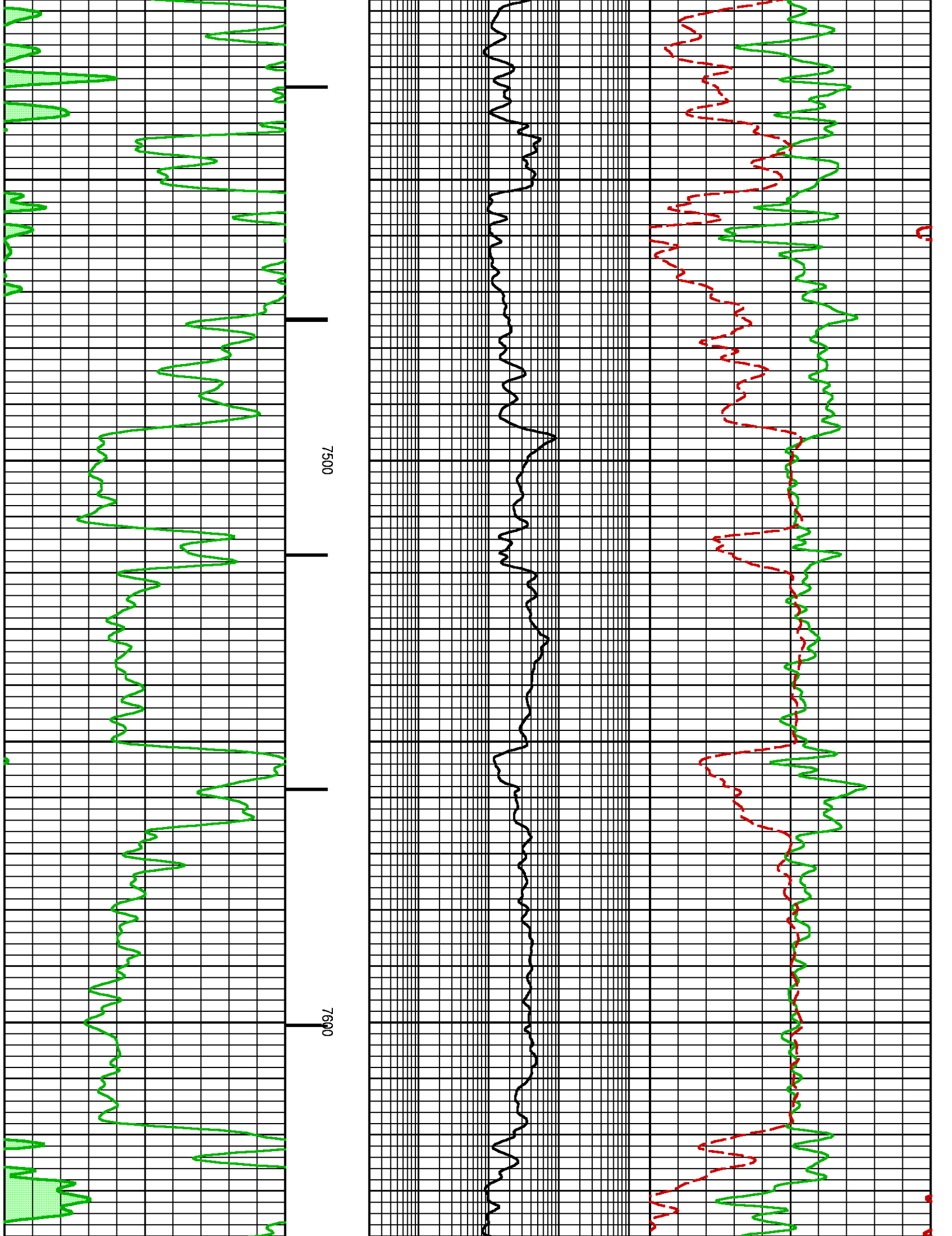




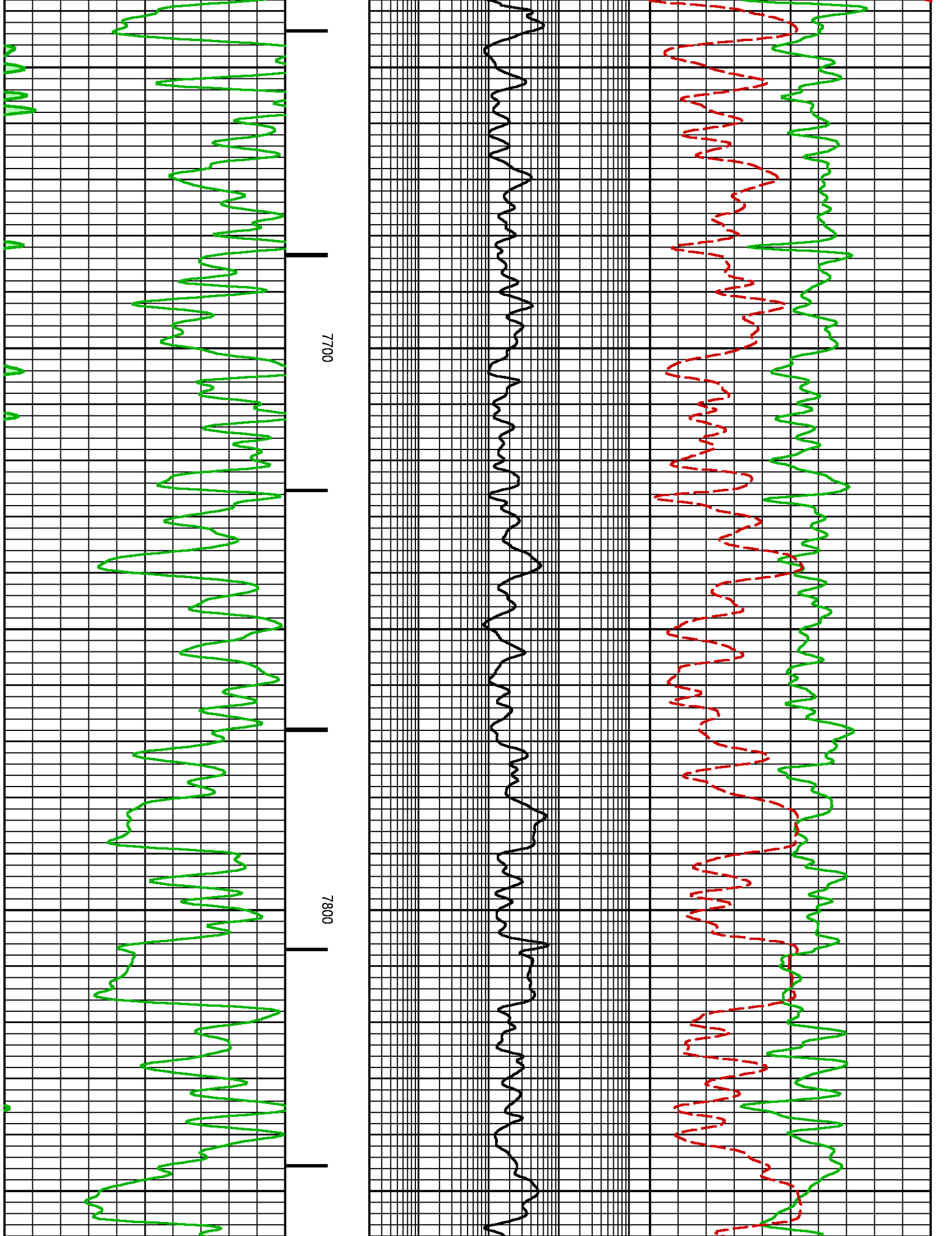


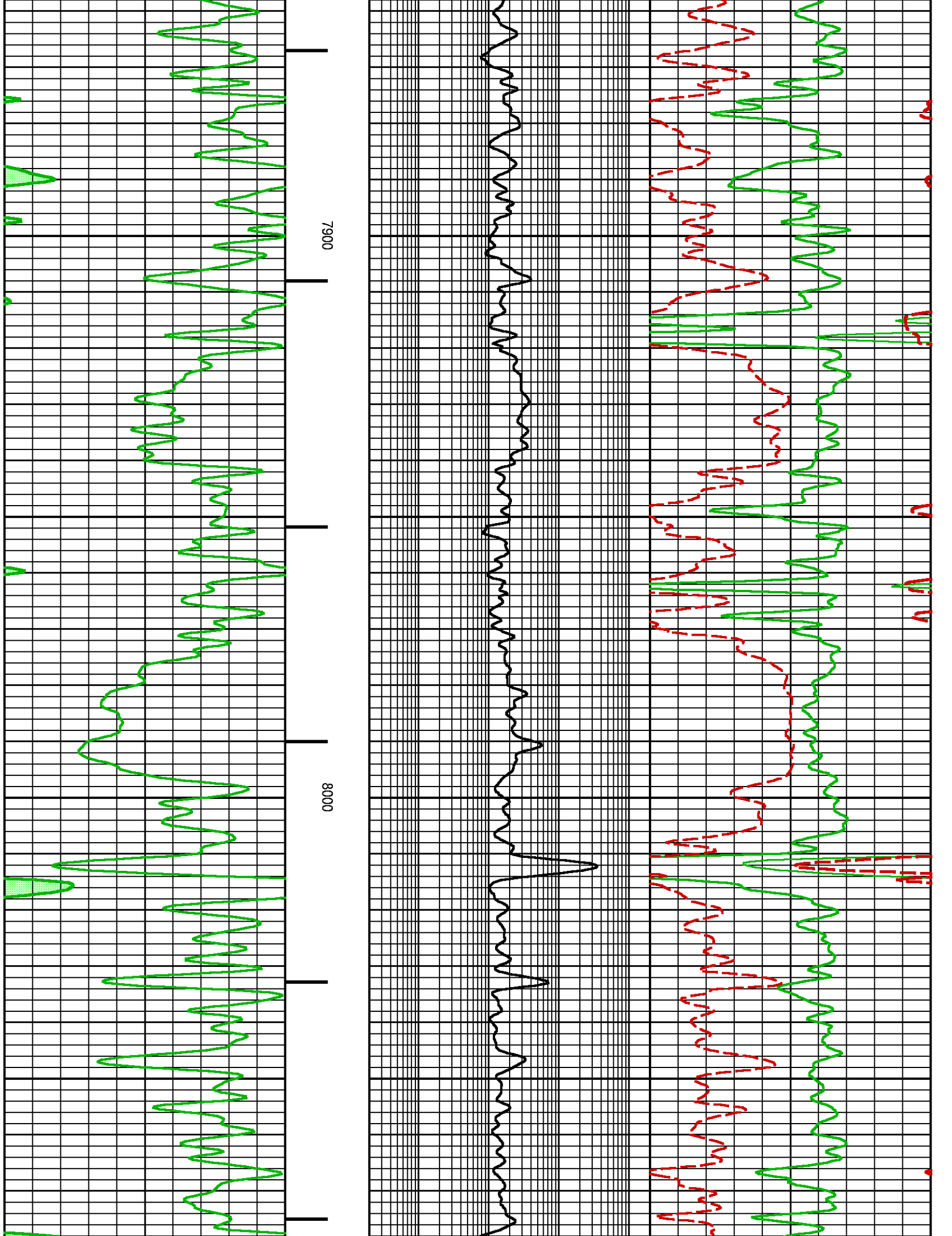


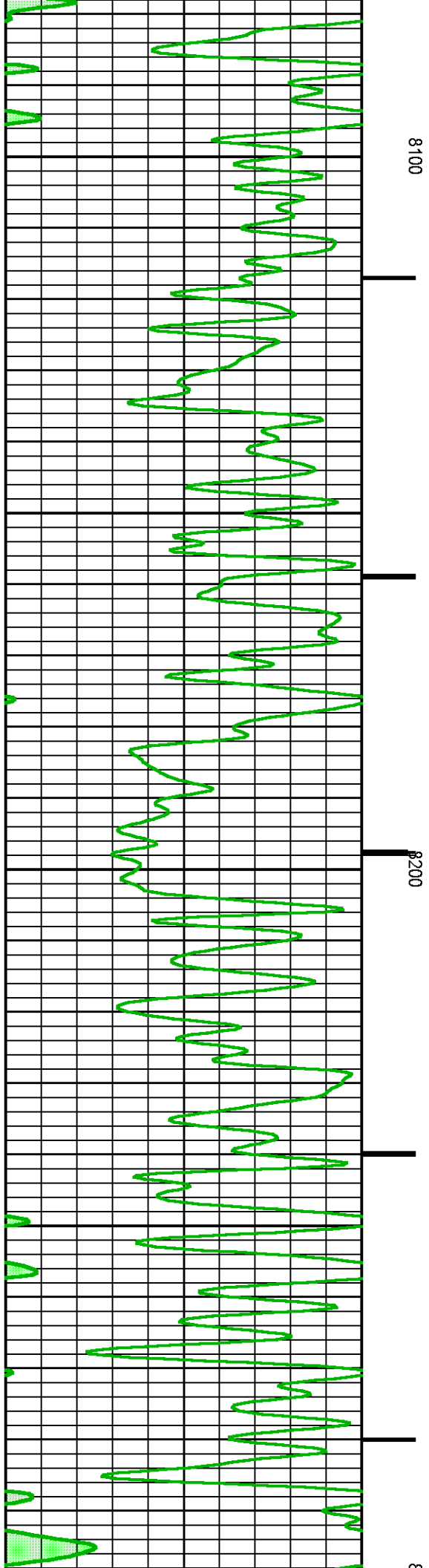
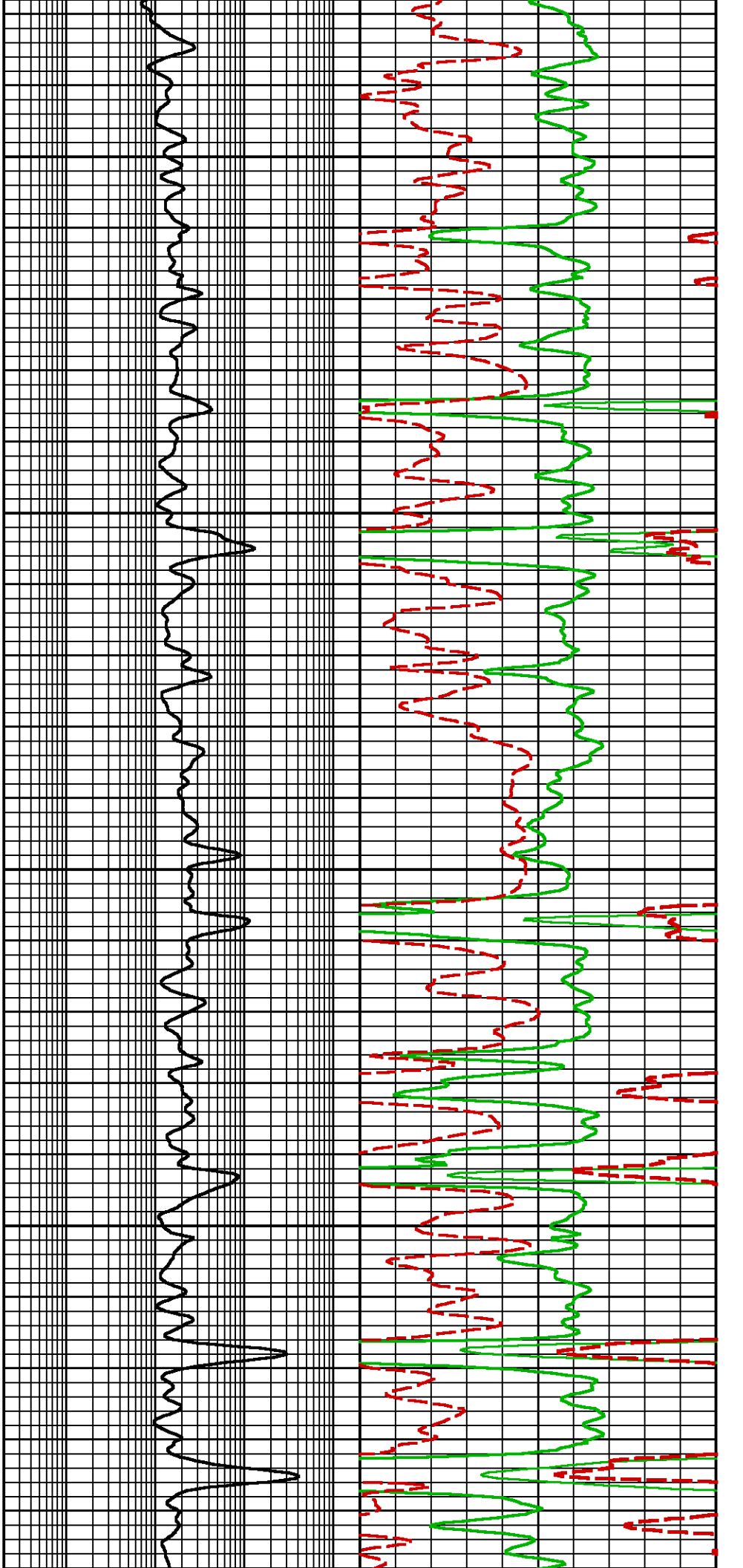


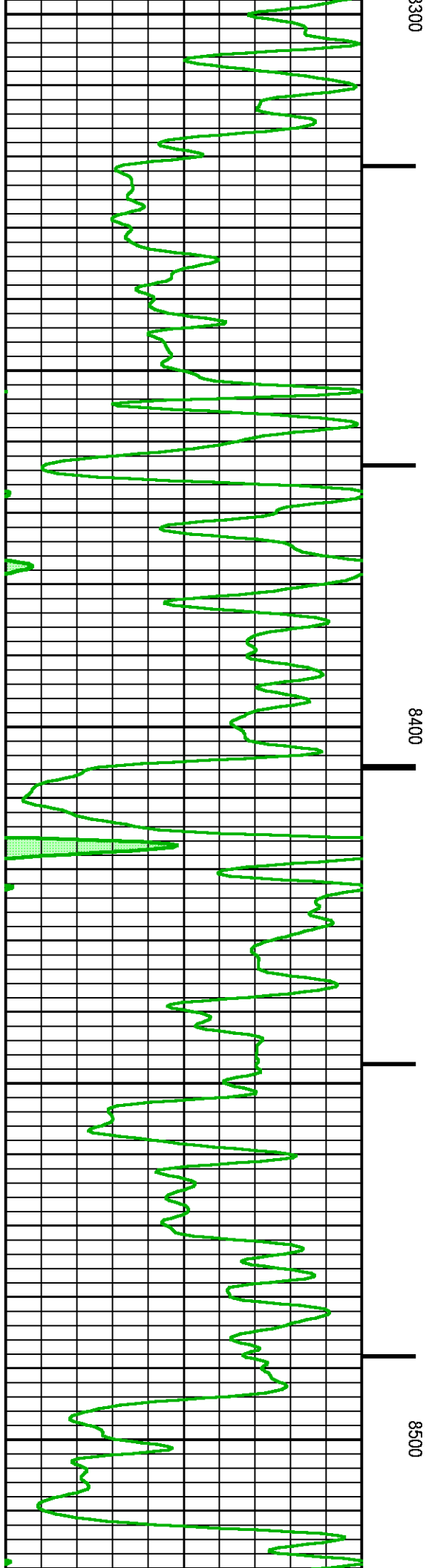
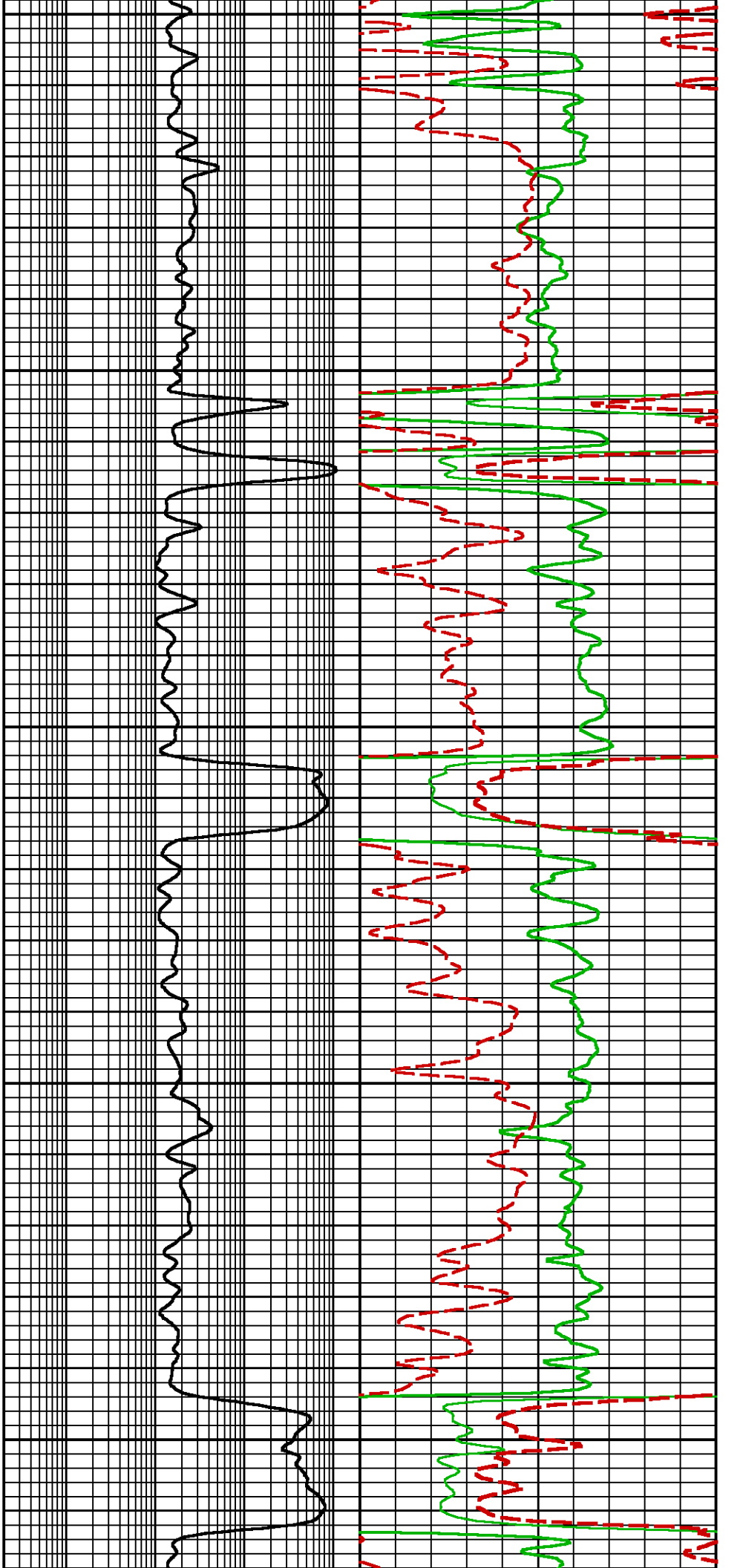


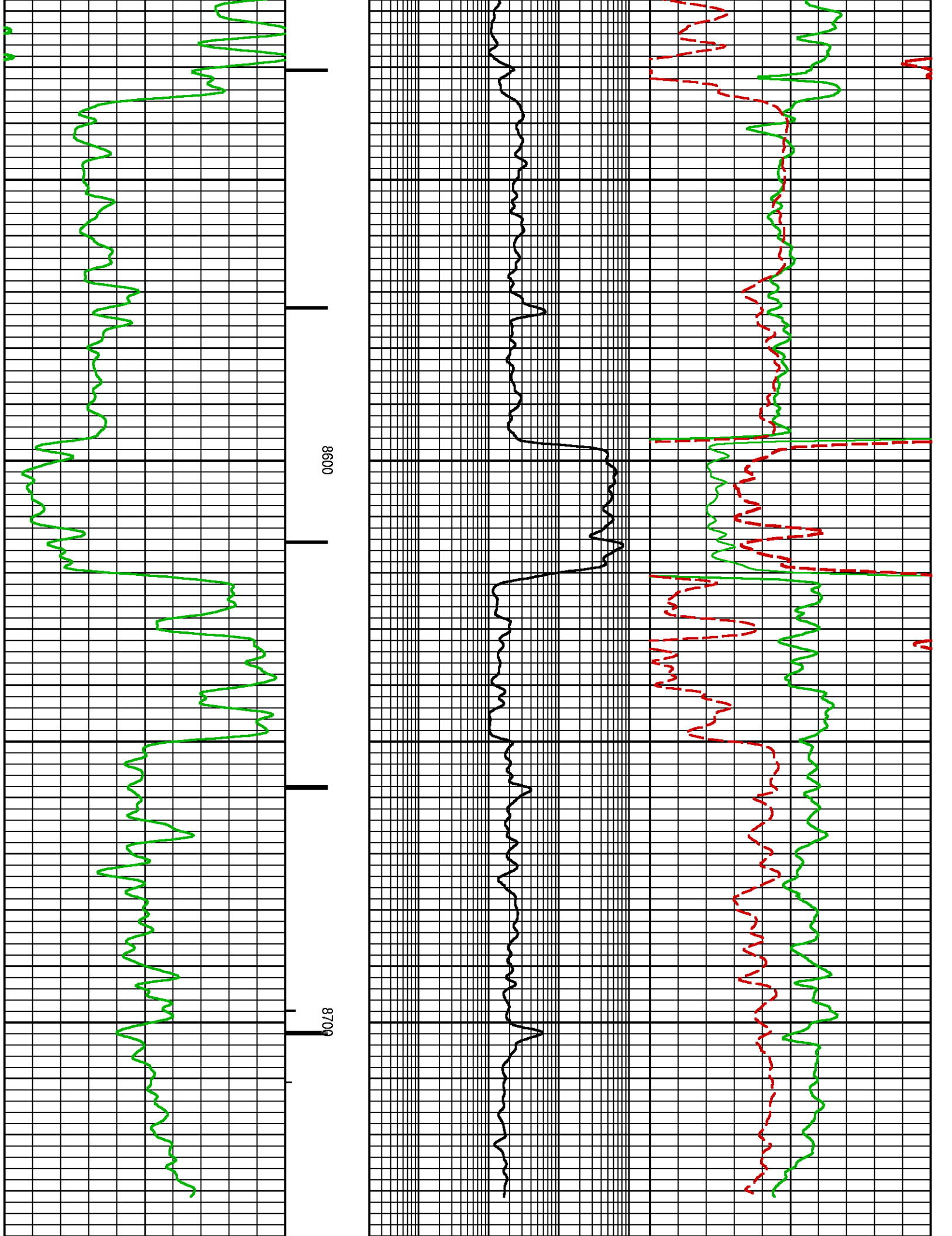














## COMPANY

**WELL**

FIELD

**COUNTY**

**LARAMIE ENERGY II LLC**

**SUP & SHEP 0993-25-19W**

## BUZZARD CREEK

**MESA**

STATE COLORADO

**FILE NO:**

API NO:

05077105830000

**LOCATION:**

SEE REMARKS SECTION

**SEC** 25      **TWP** 9S      **RGE** 93W

**ELEVATIONS:**

KB 8108 FT

DF

GL 8078 FT

DATE \_\_\_\_\_

13-MAR-2019

## Pulsed Neutron Information Evaluation

