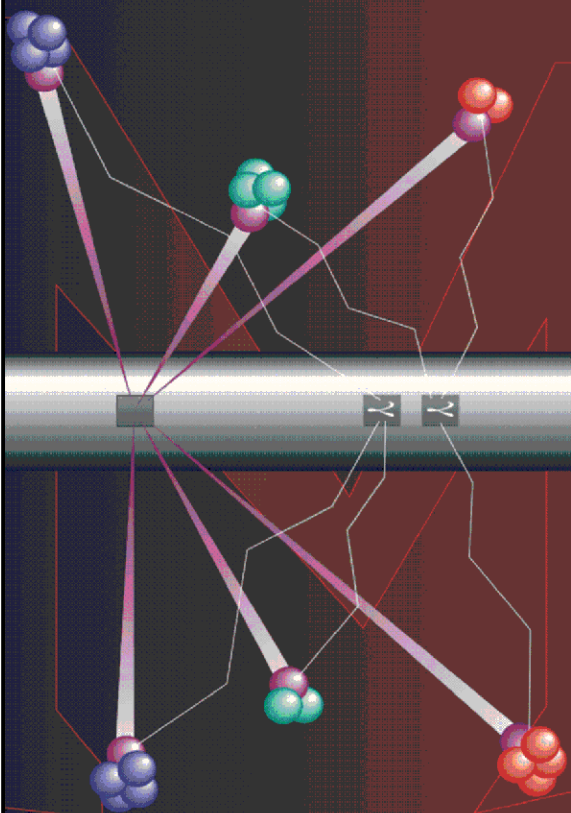


Pulsed Neutron Formation Evaluation



RESERVOIR PERFORMANCE MONITOR NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL CC 0697-03-14W

FIELD GRAND VALLEY

COUNTY GARFIELD STATE COLORADO

LOCATION: SEE REMARKS

SEC 3 TWP 6S RGE 97W

ELEVATIONS:

KB 8458 FT DF GL 8428 FT

DATE 30-AUG-2018 ECC 139388

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>30-AUG-2018</u>
FIELD DATA	LOCATION: <u>GRAND JUNCTION</u>	ENGINEER: <u>M. BAUKA</u>	DATE: <u>30-JUN-2018</u>
FROM	TO		
<u>4510 FT</u>	<u>9678 FT</u>		

REMARKS

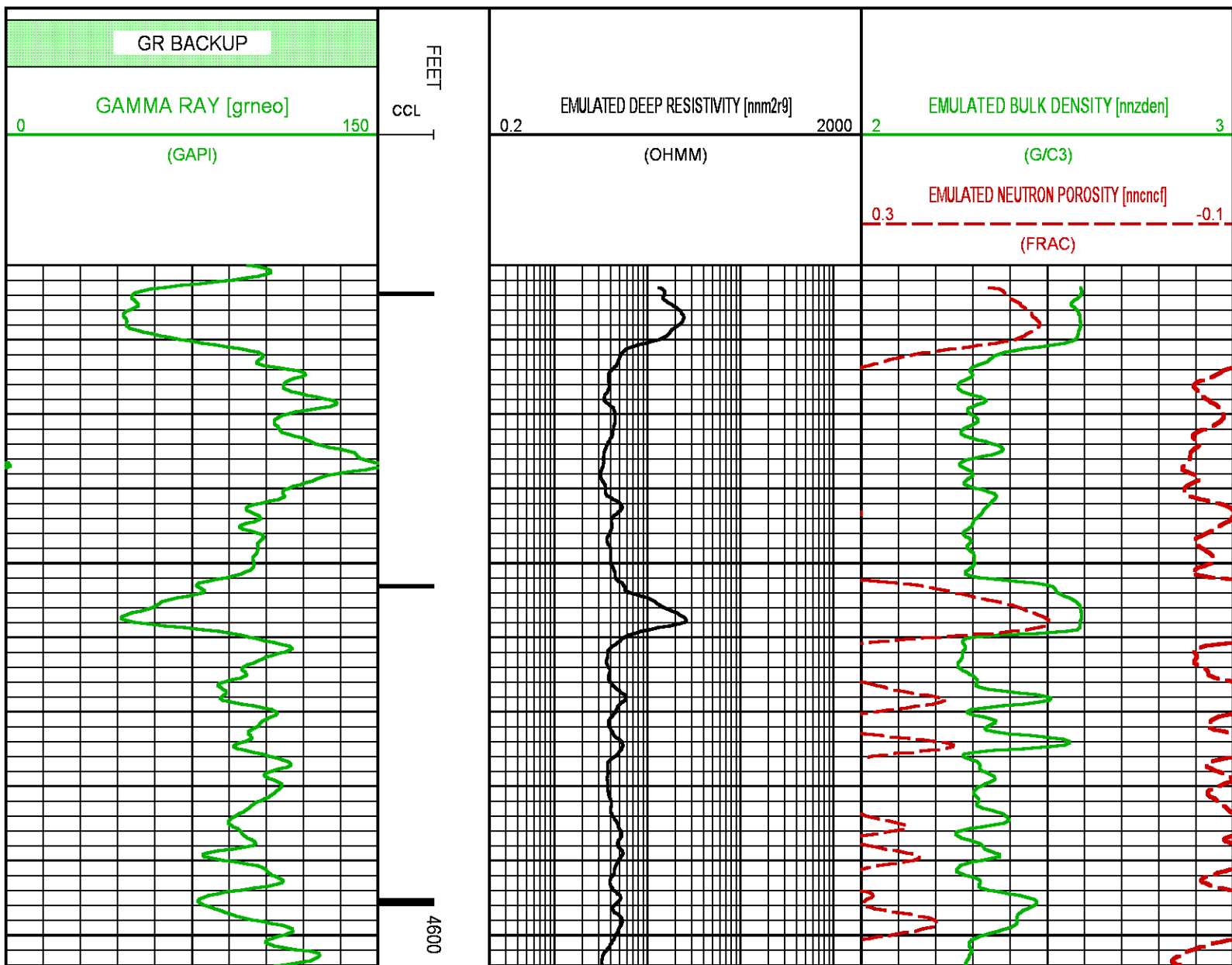
LOCATION: SHL: 3326' FNL & 1320' FWL
BHL: 3326' FNL & 1320' FWL

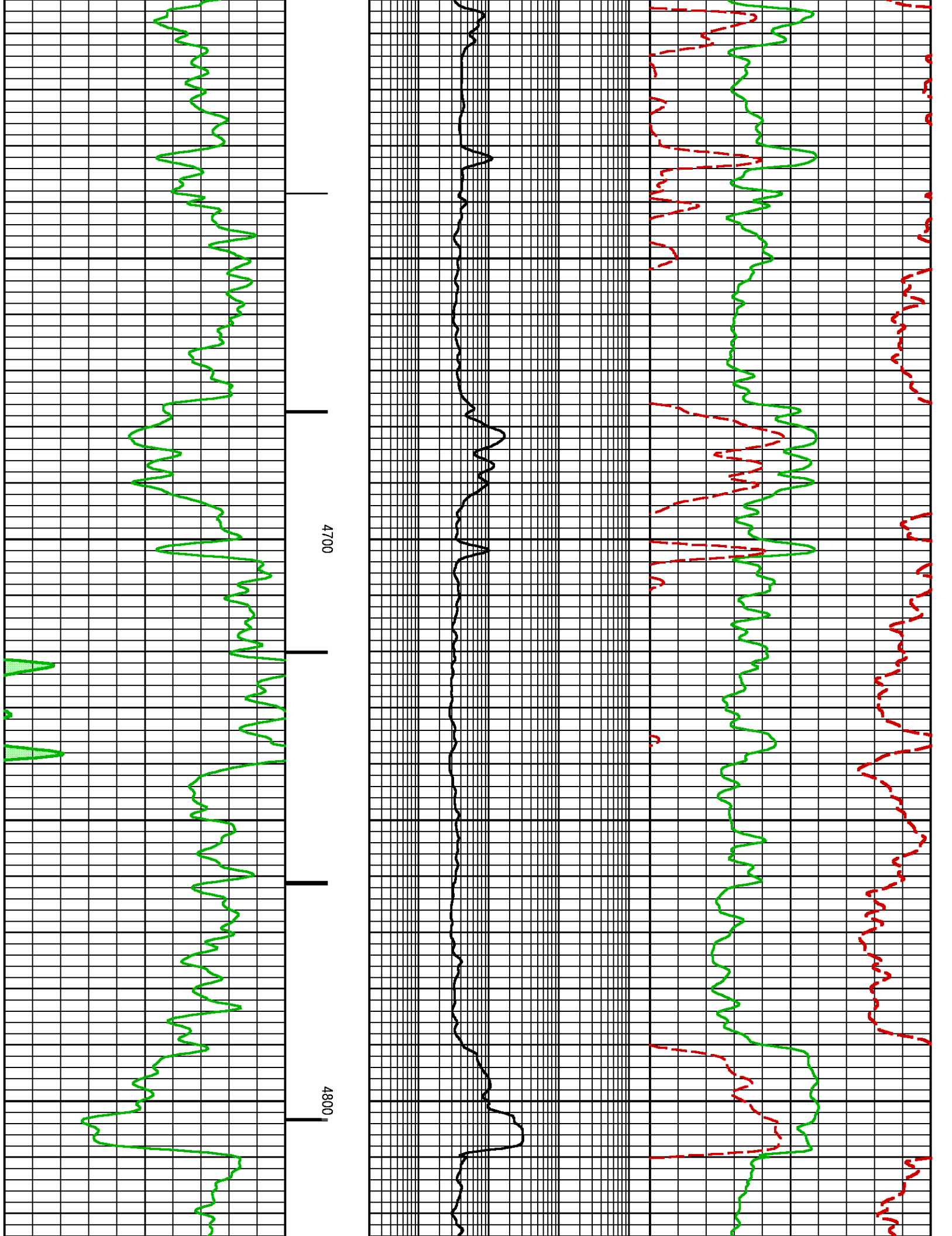
TRAINING WELL:
CC 0697-03-17W
TNPH - NEUTRON POROSITY
TBIT90 - DEEP RESISTIVITY
NNZDEN - BULK DENSITY EMULATED USING GUNDERSON 0994-13-06W AS TRAINING WELL

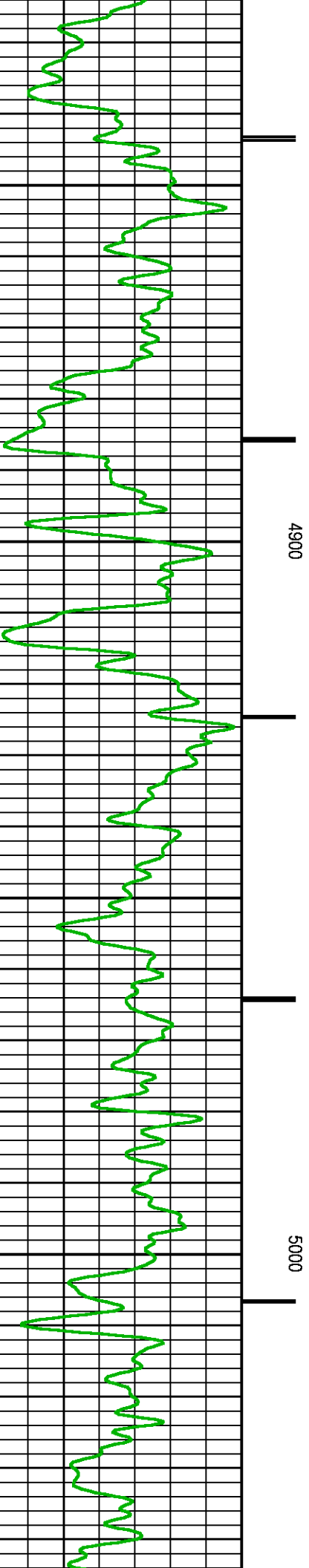
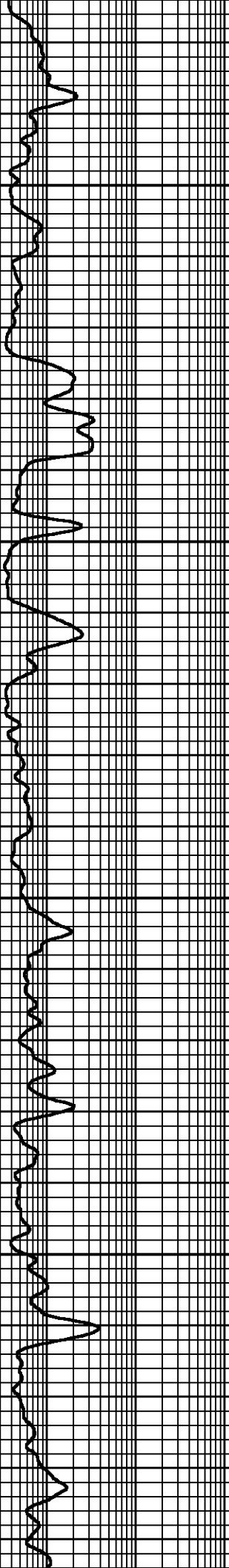
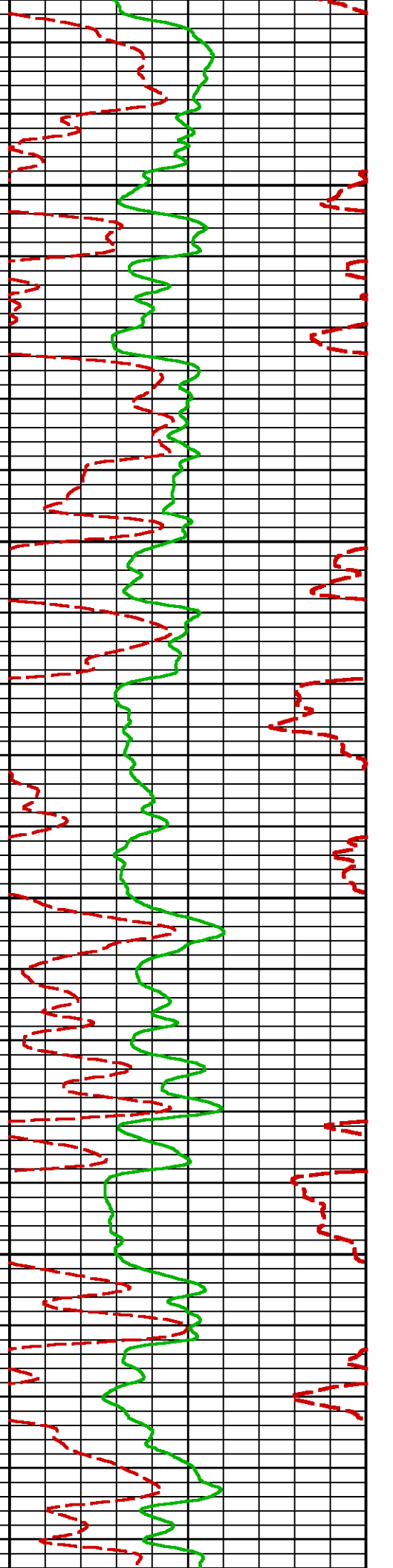
ANY ERRORS IN THE TRAINING WELL OPENHOLE DATA CAN PERETUATE THROUGH AS ERROR IN THE EMULATED RESULTS

NEO RESULTS FOR CC 0697-03-14W (G-SAND)

Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_cc_03_14w\NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 4510 - 5130 Feet
Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_cc_03_14w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : CC 0697-03-14W
Field : GRAND VALLEY
File Interval : 4510 - 9678 Feet
OCT : NA

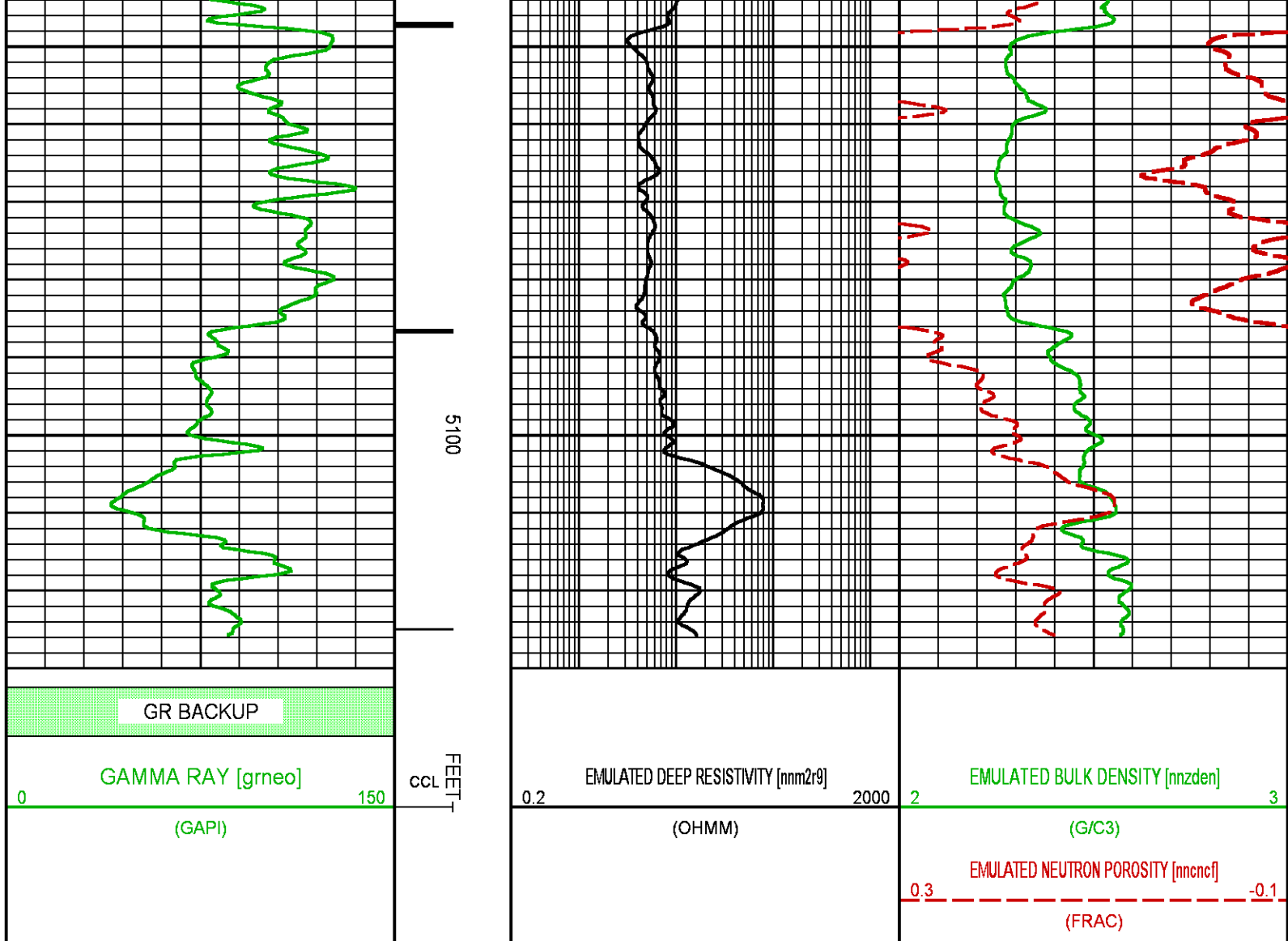






4900

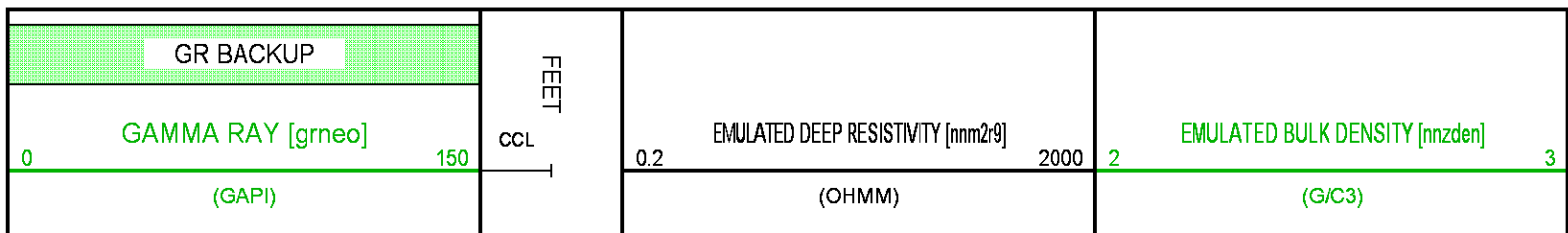
5000



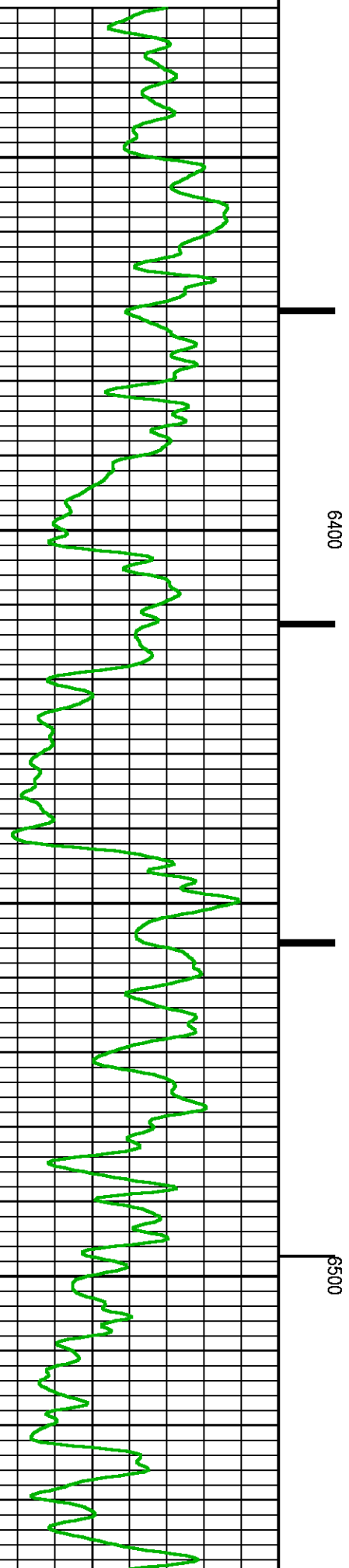
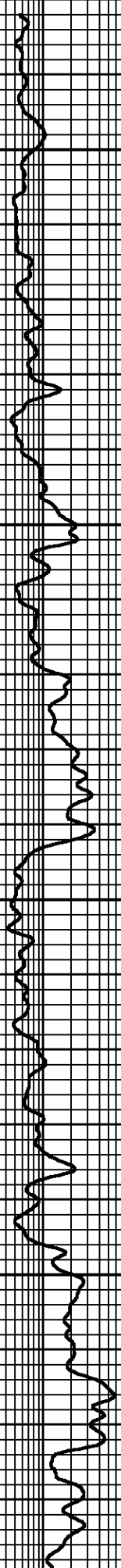
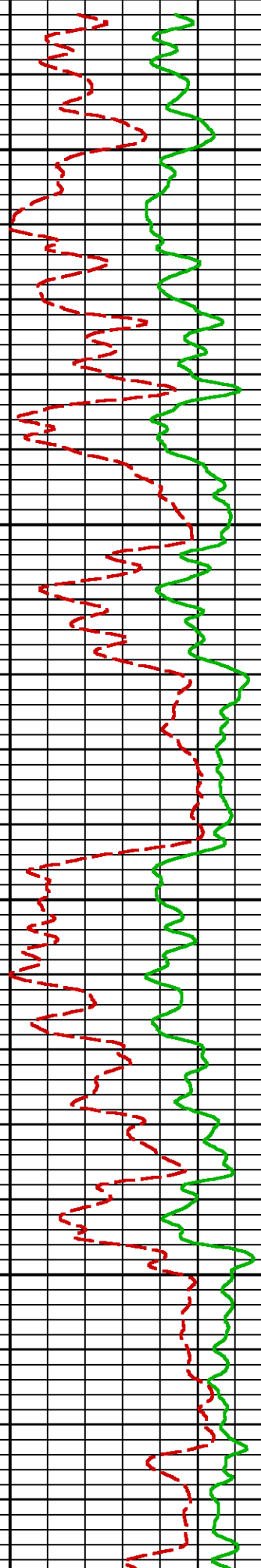
NEO RESULTS FOR CC 0697-03-14W (MAIN)

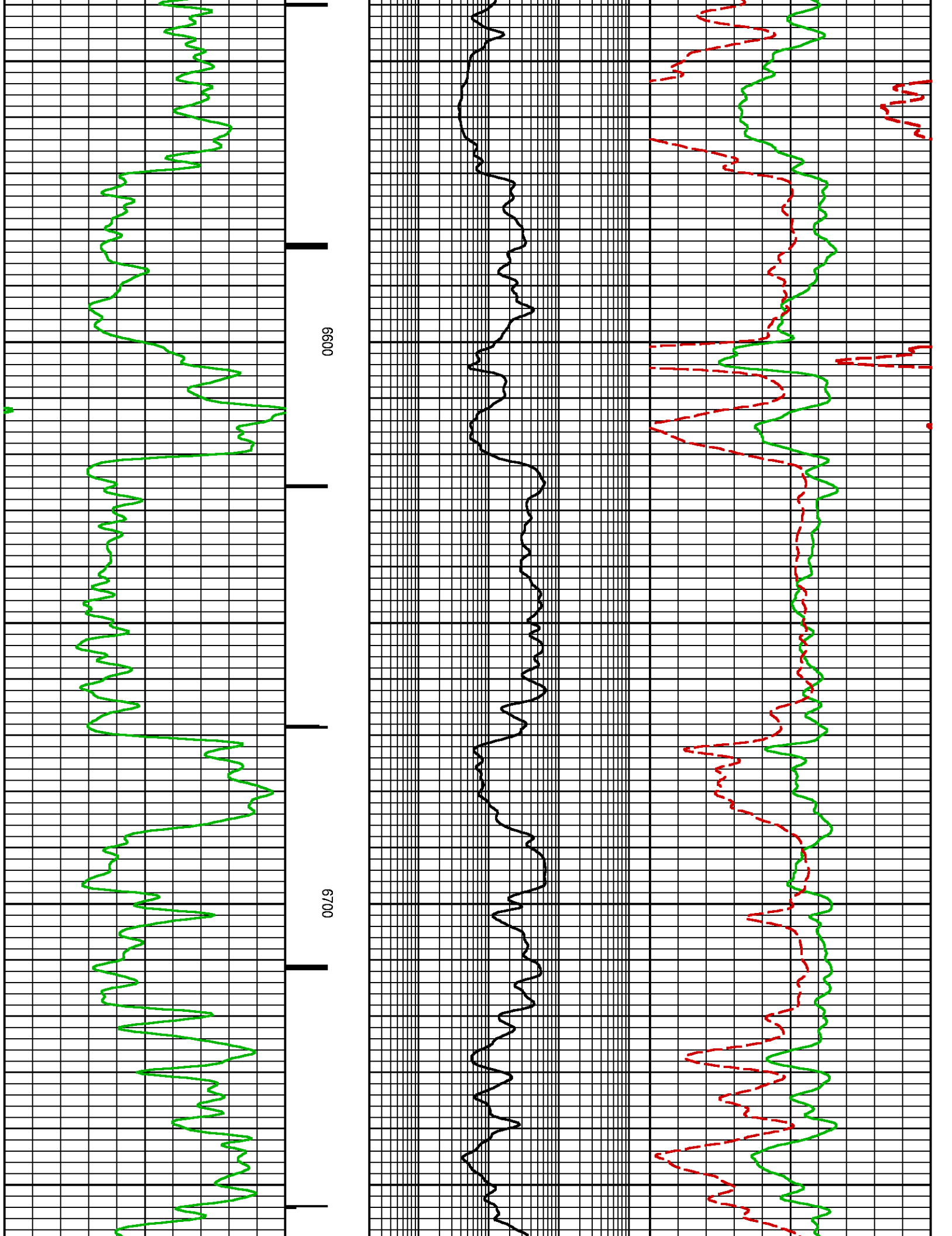
Project : NA
User : ellskima
Presentation : BHI3BKZH12:C:\Ape_Projects\laramie_cc_03_14w\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100' Scale]
Plot Interval : 6330 - 9678 Feet

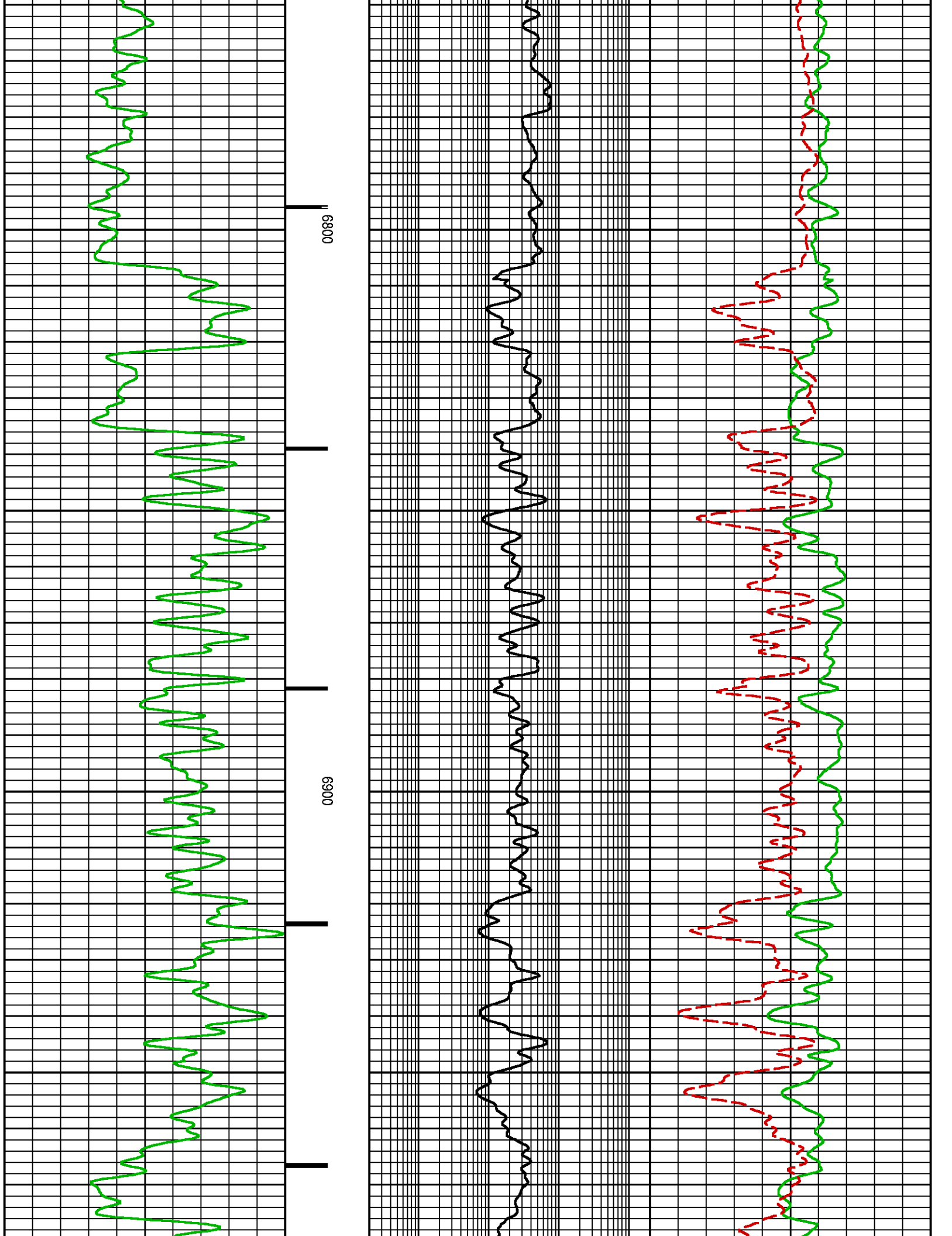
Data File 1 : F1 : BHI3BKZH12:C:\Ape_Projects\laramie_cc_03_14w\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : CC 0697-03-14W
Field : GRAND VALLEY
File Interval : 4510 - 9678 Feet
OCT : NA

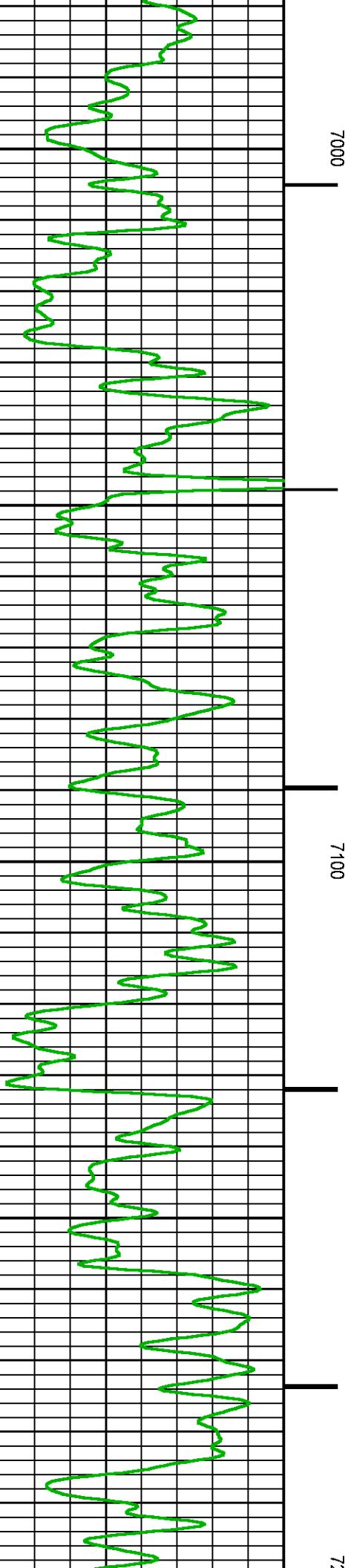
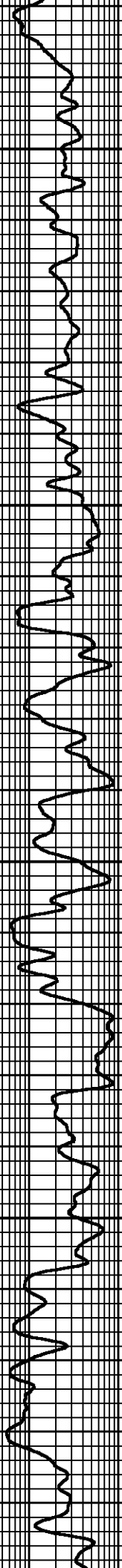
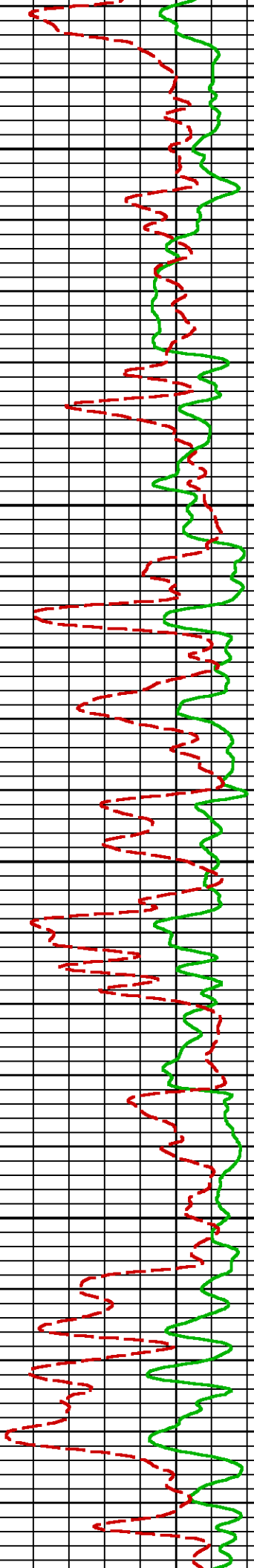


EMULATED NEUTRON POROSITY [nnncf]
0.3 -0.1
(FRAC)





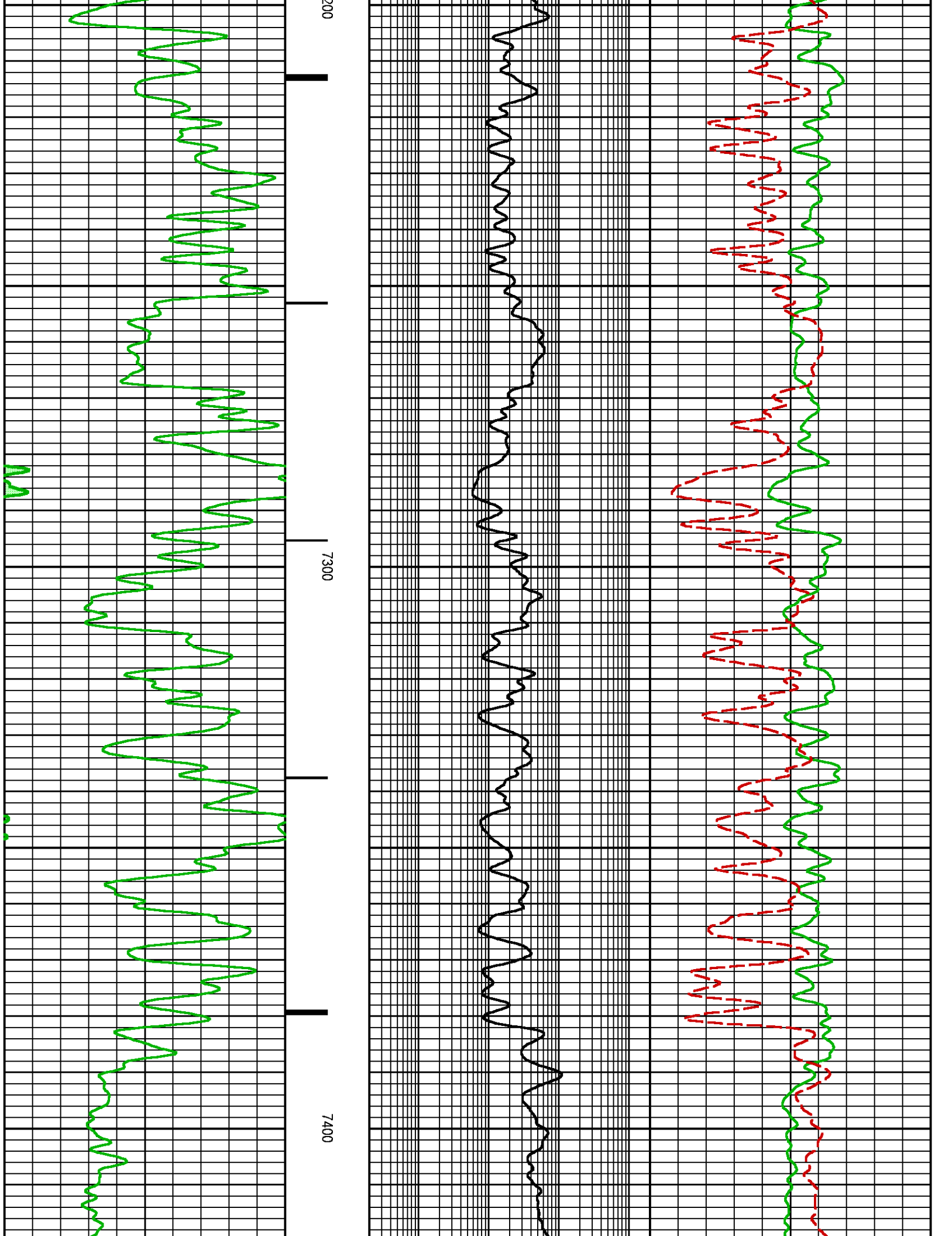


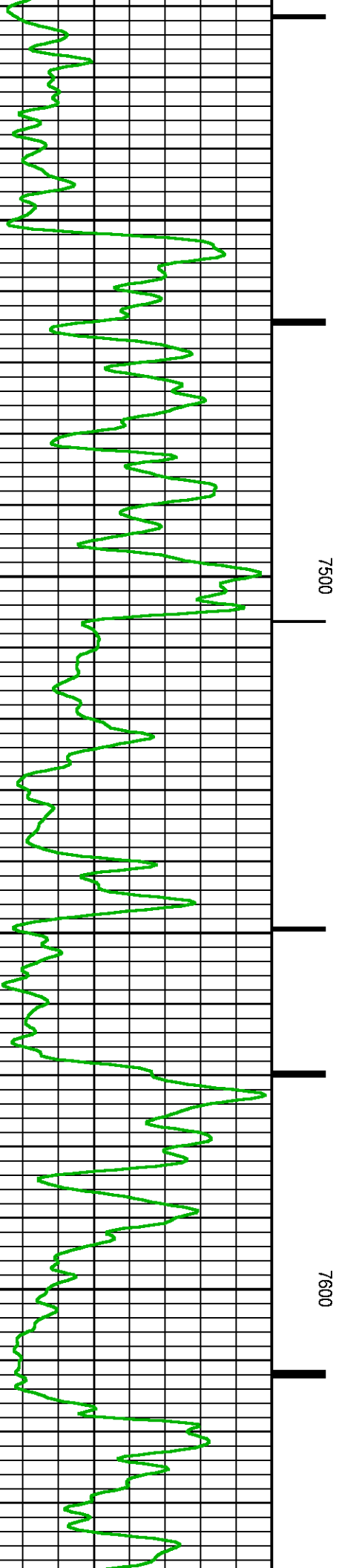
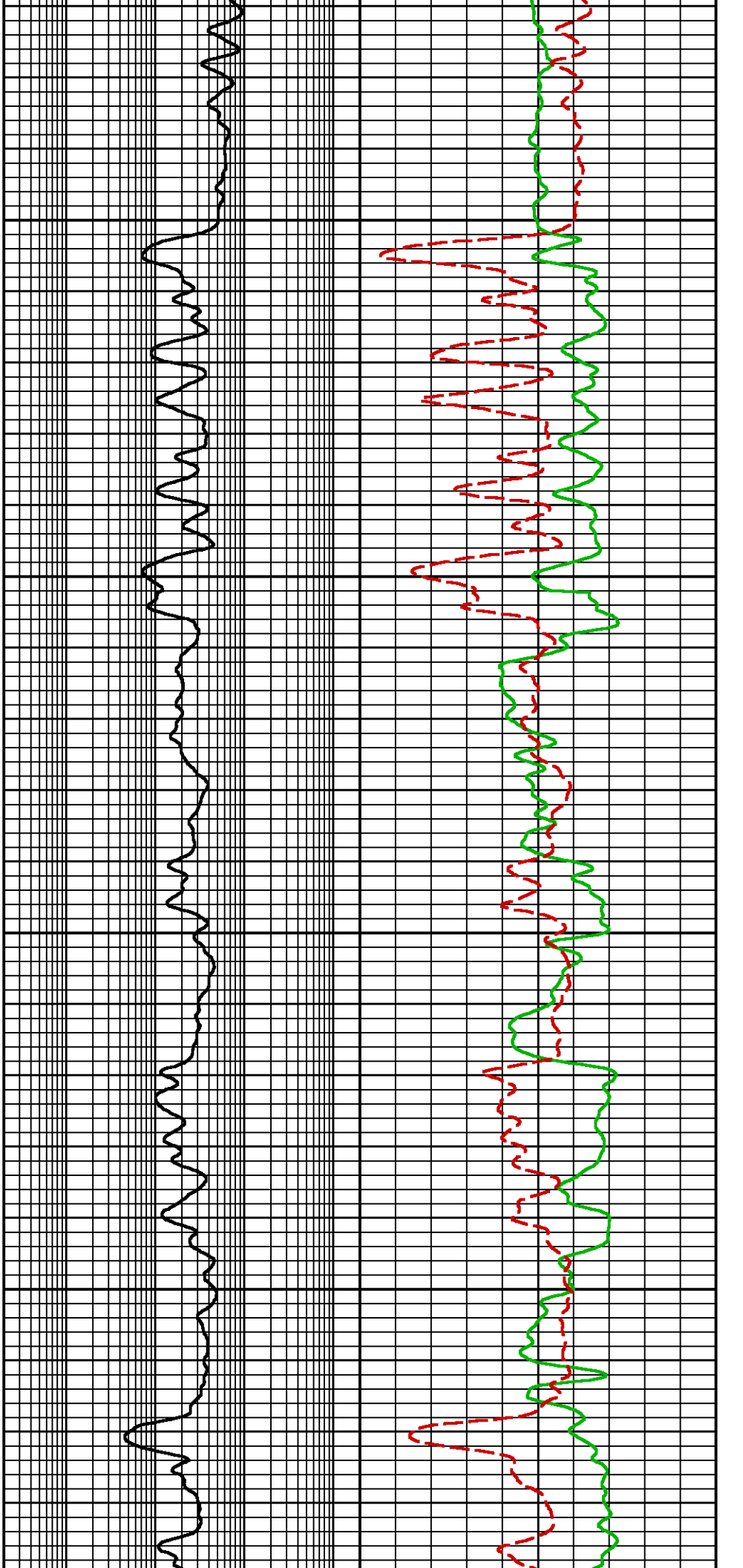


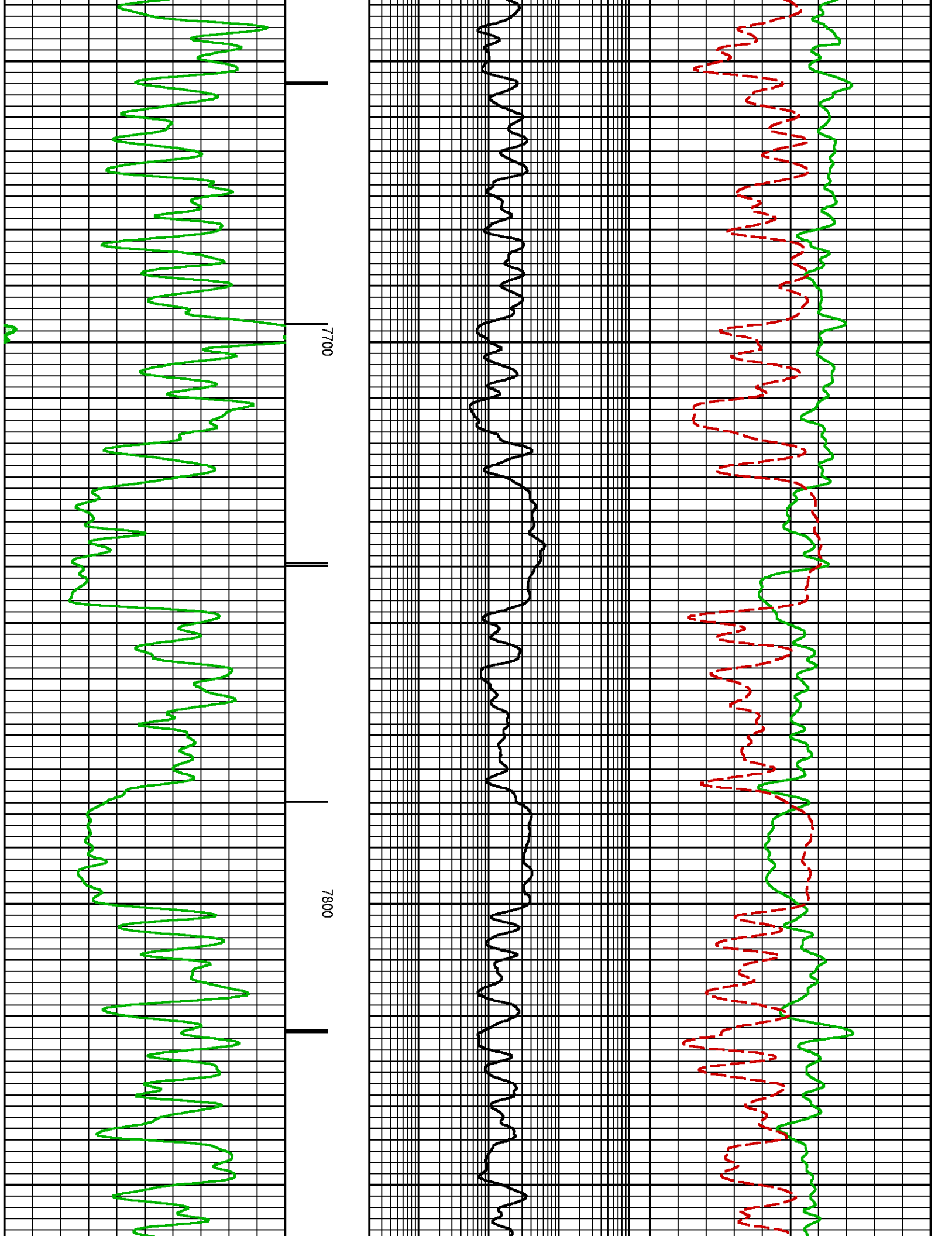
7000

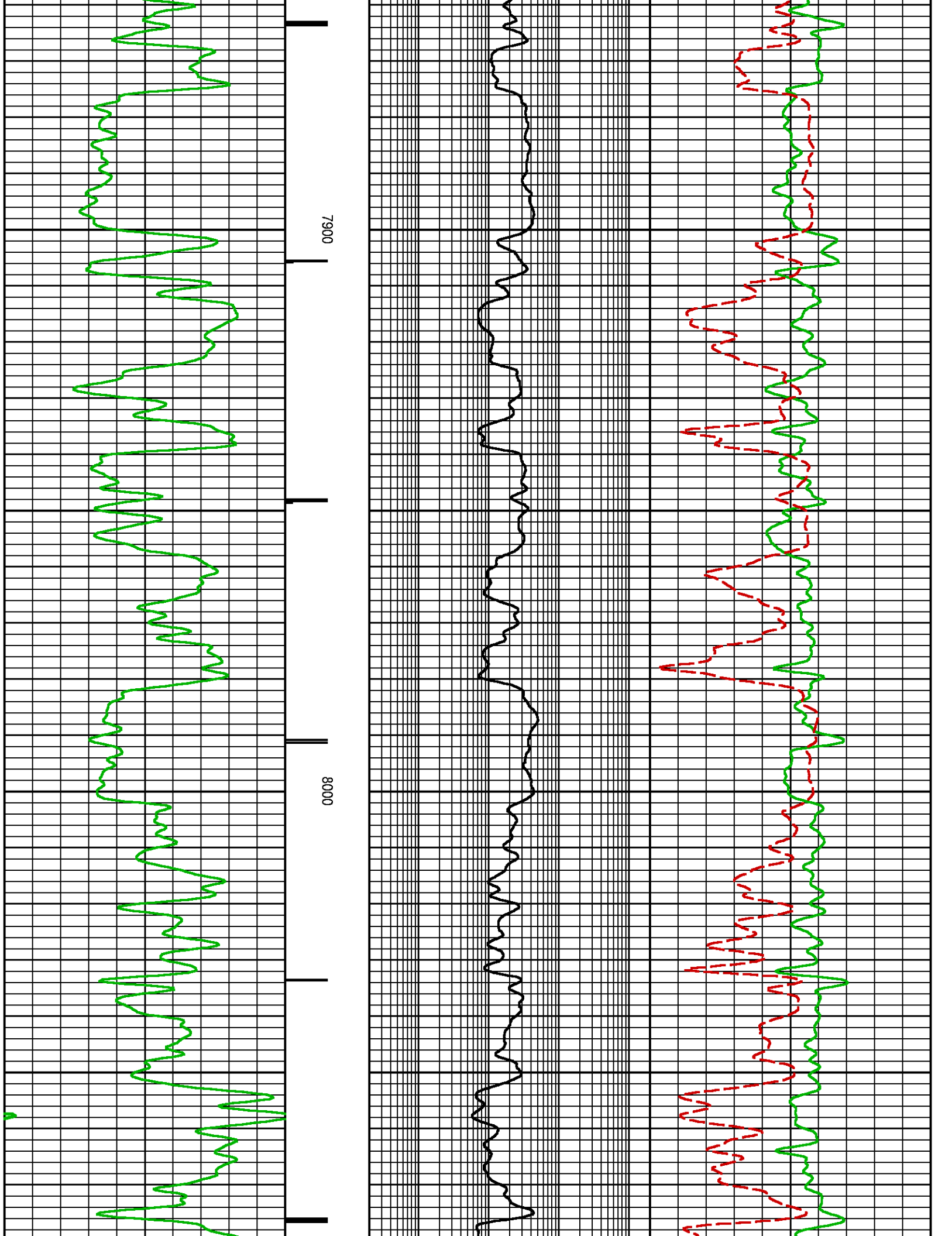
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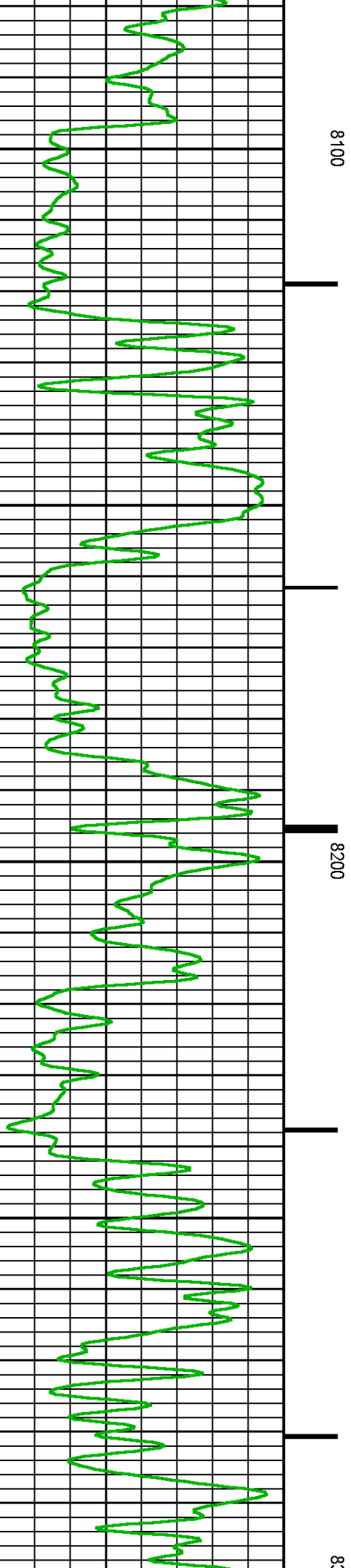
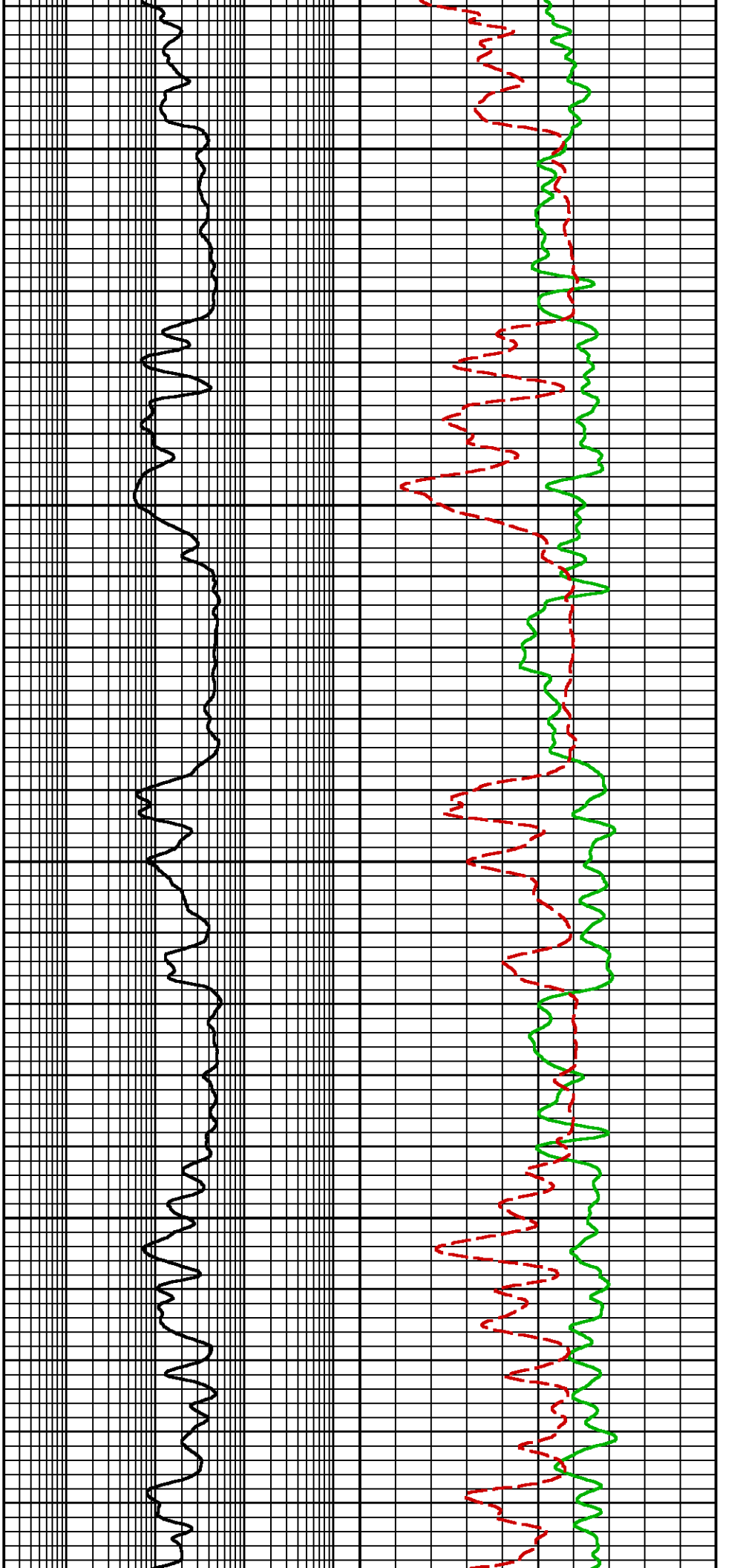
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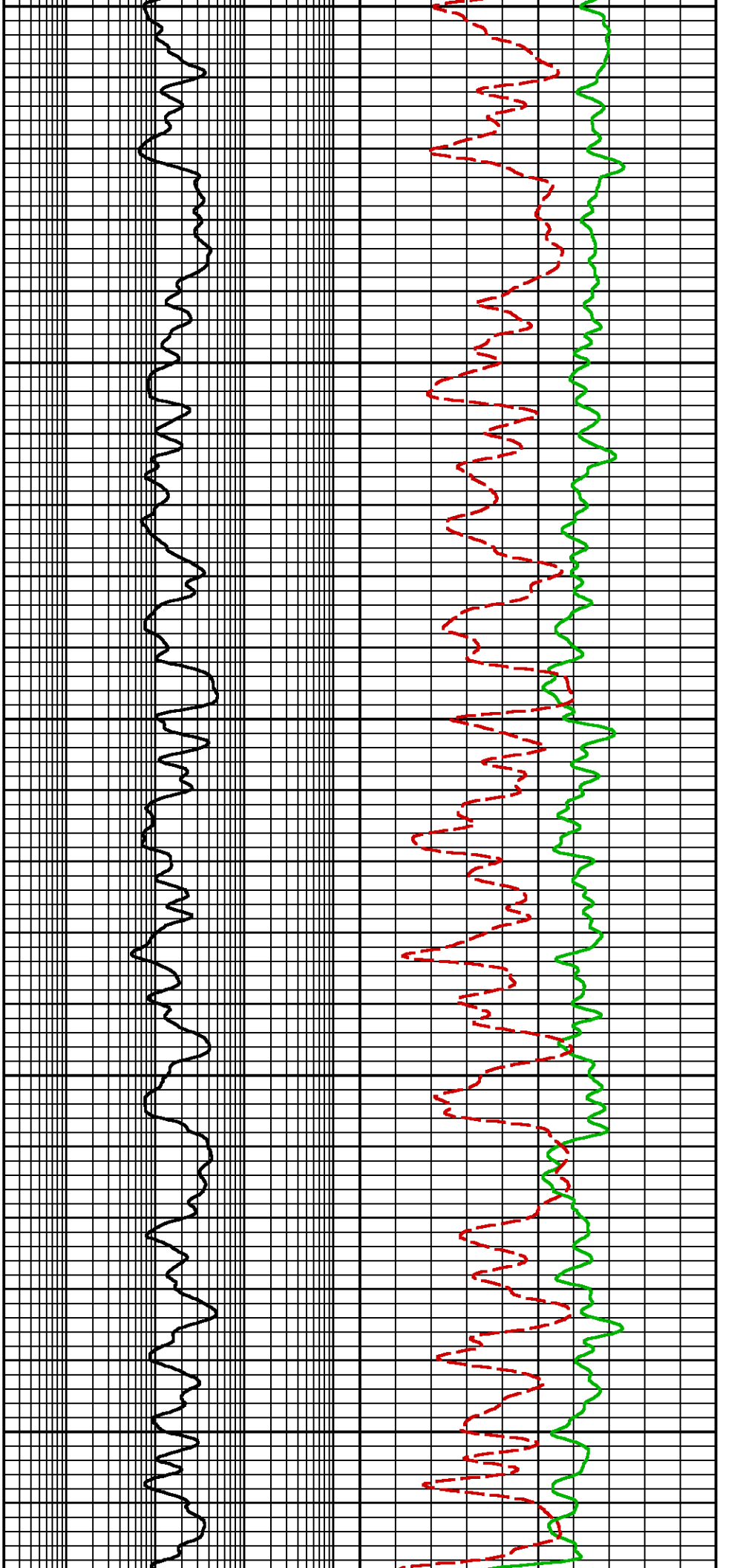








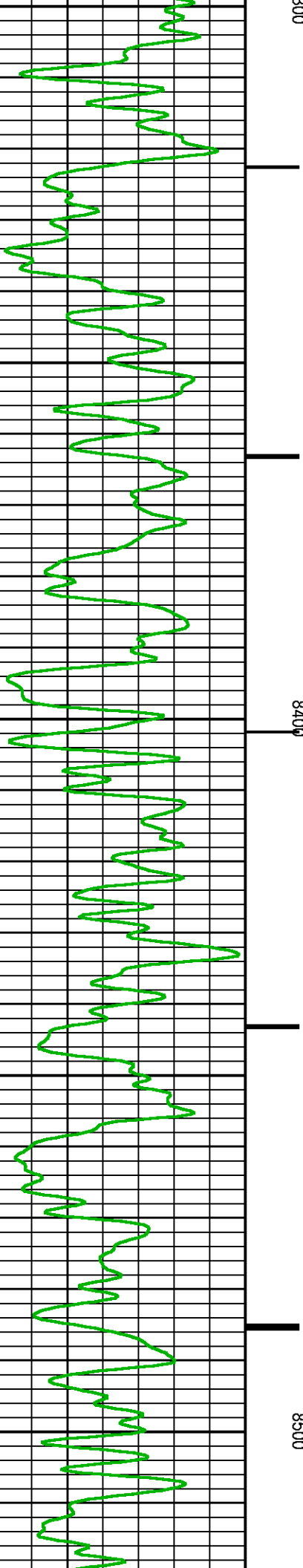


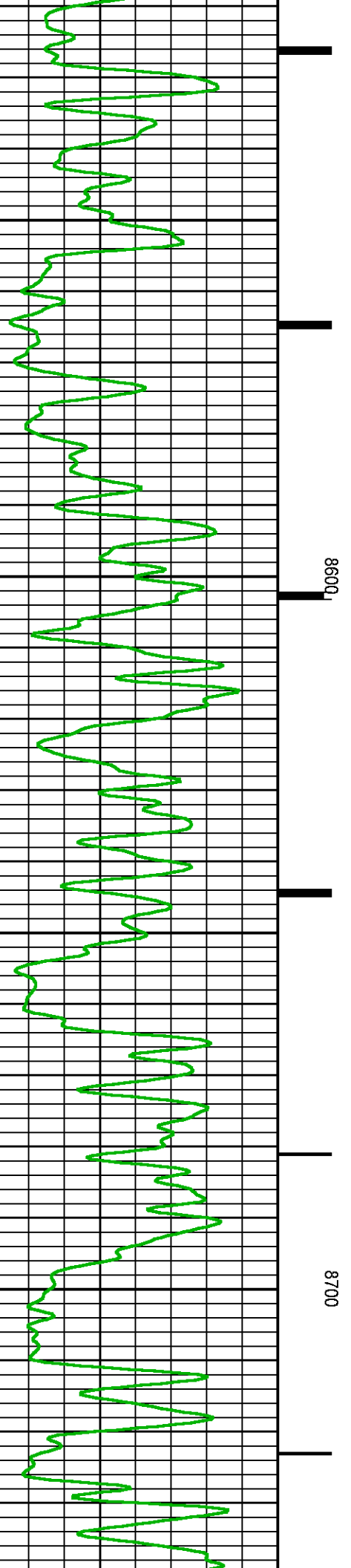
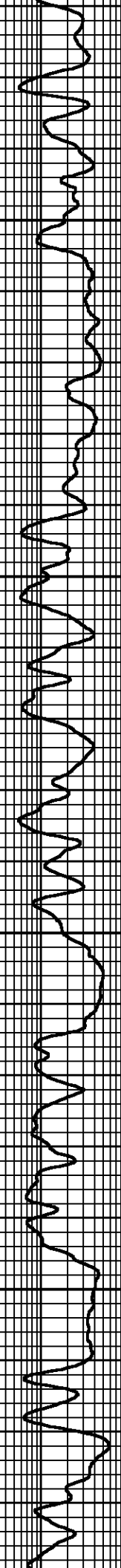
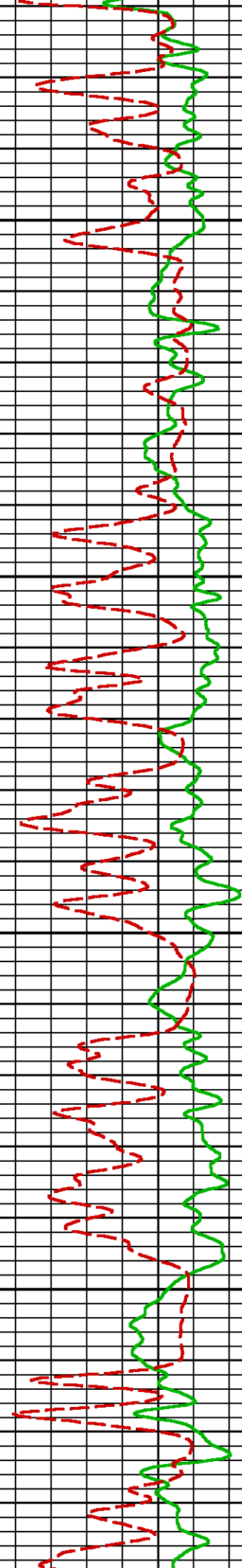


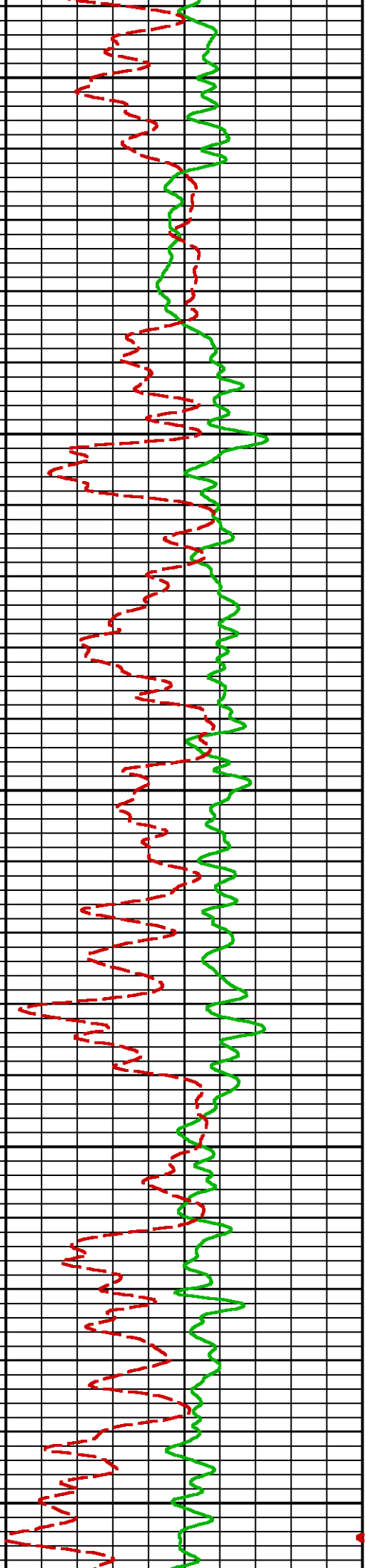
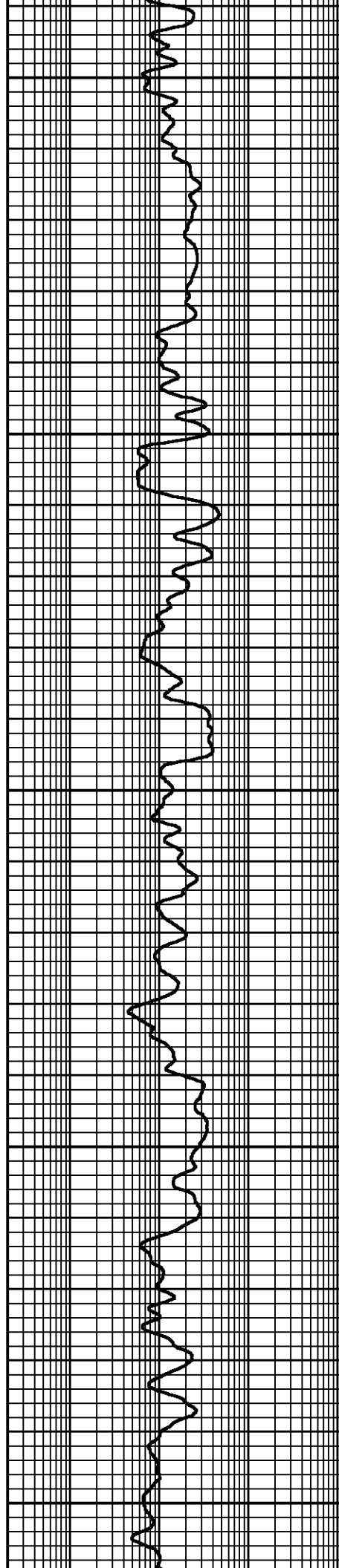
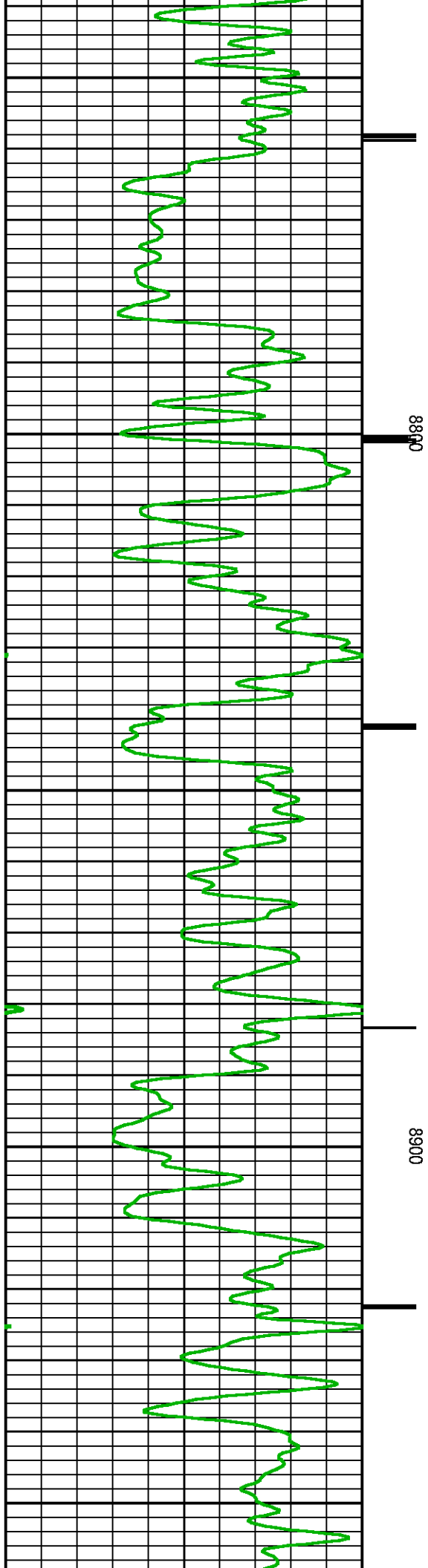
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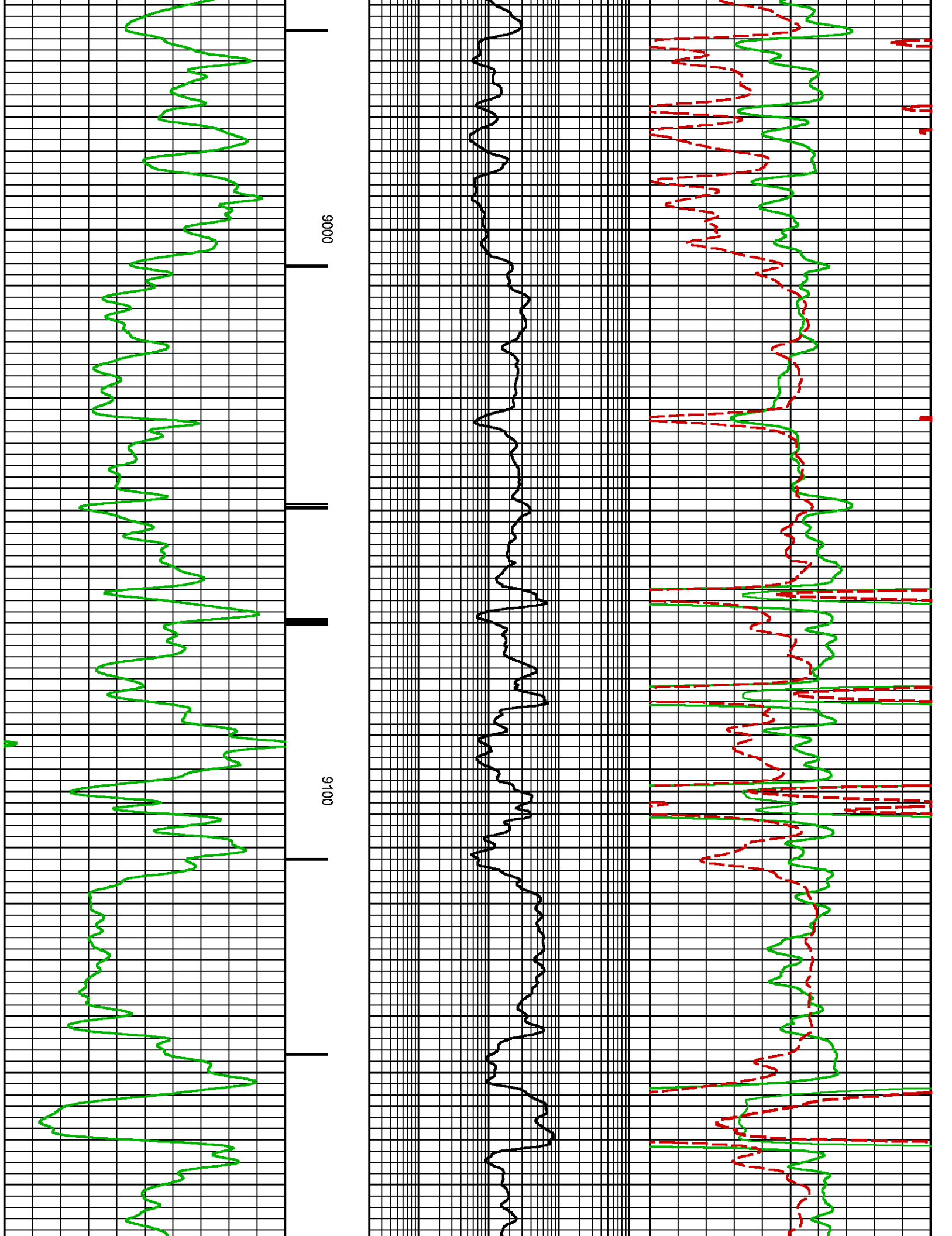
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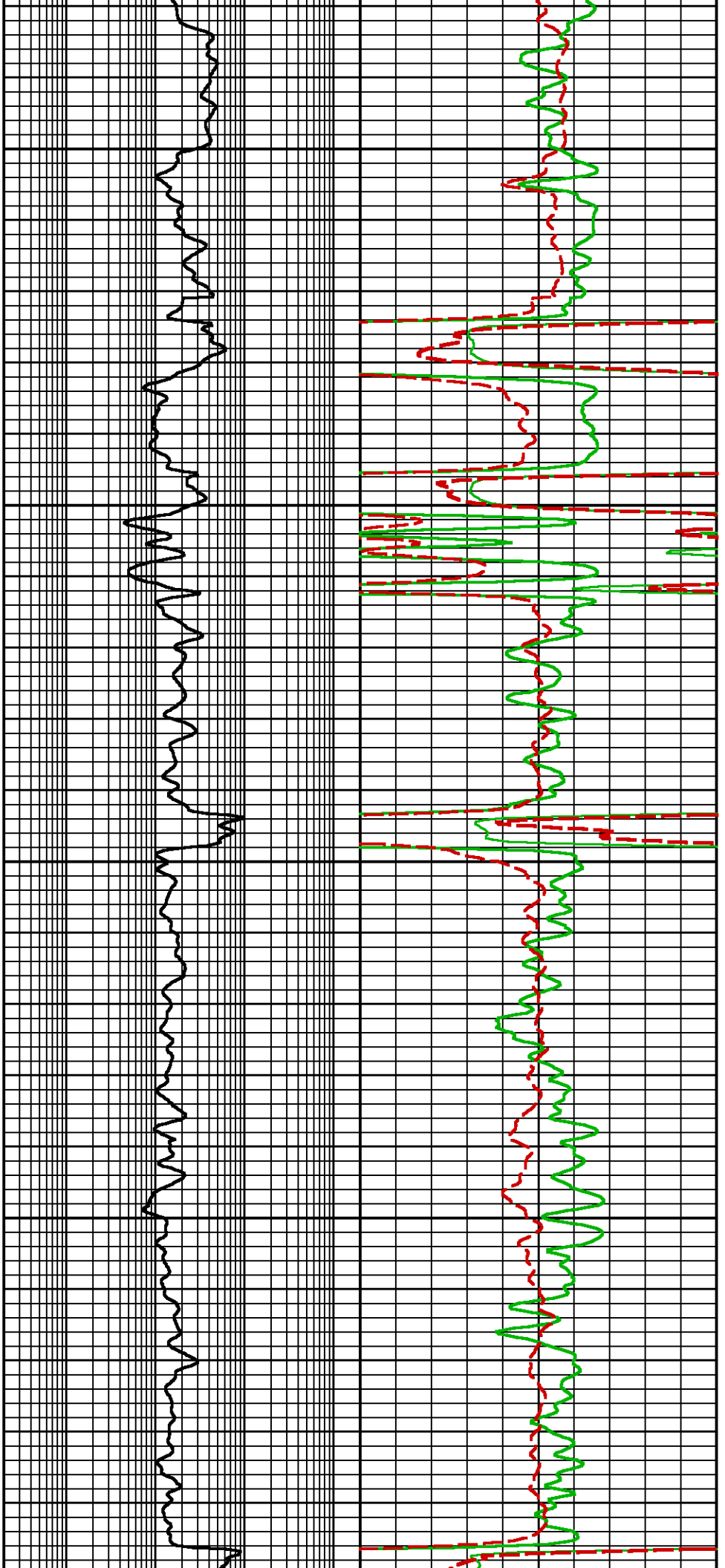
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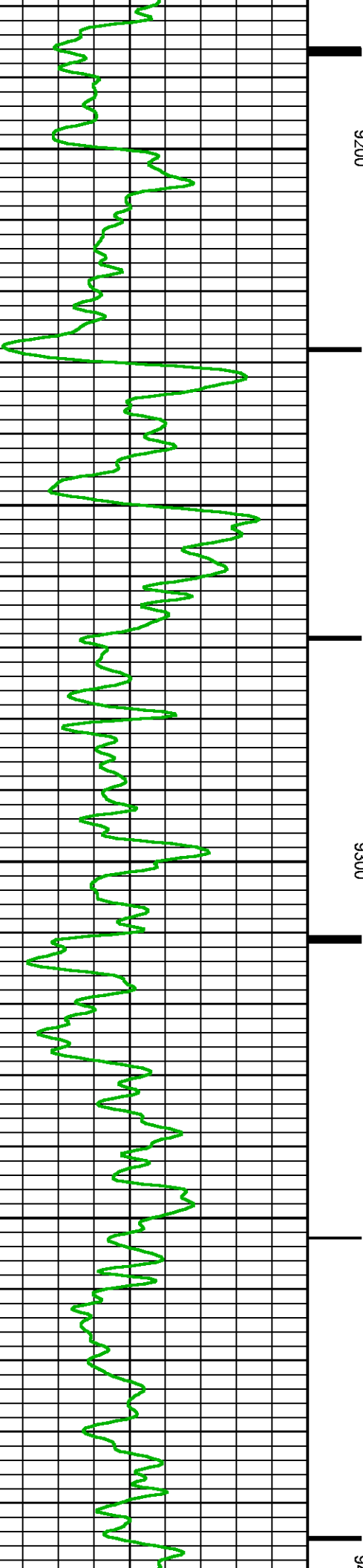


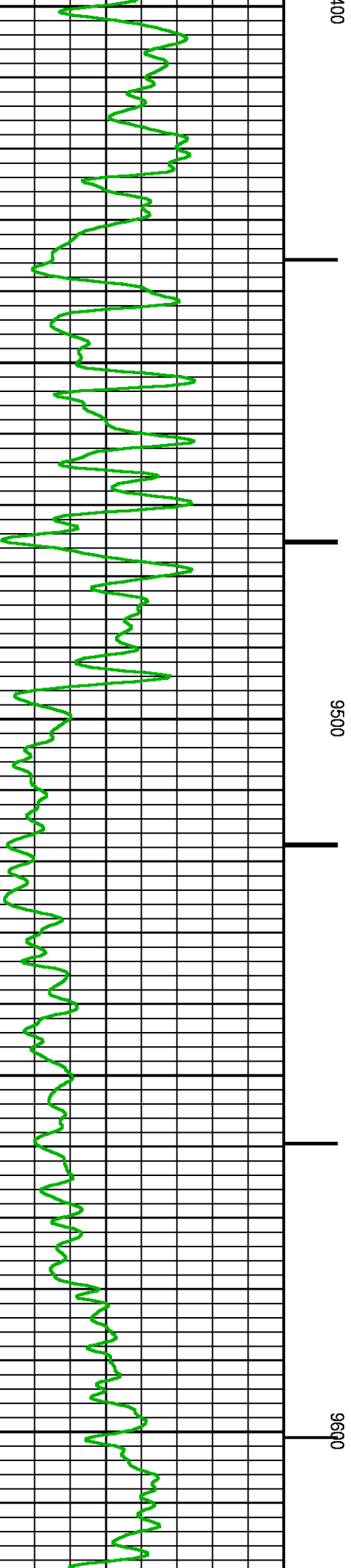
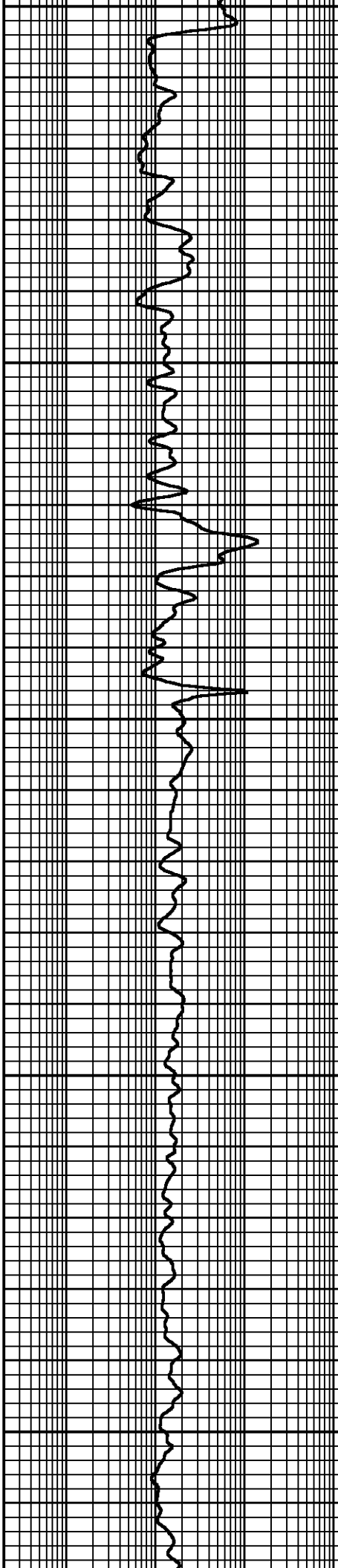
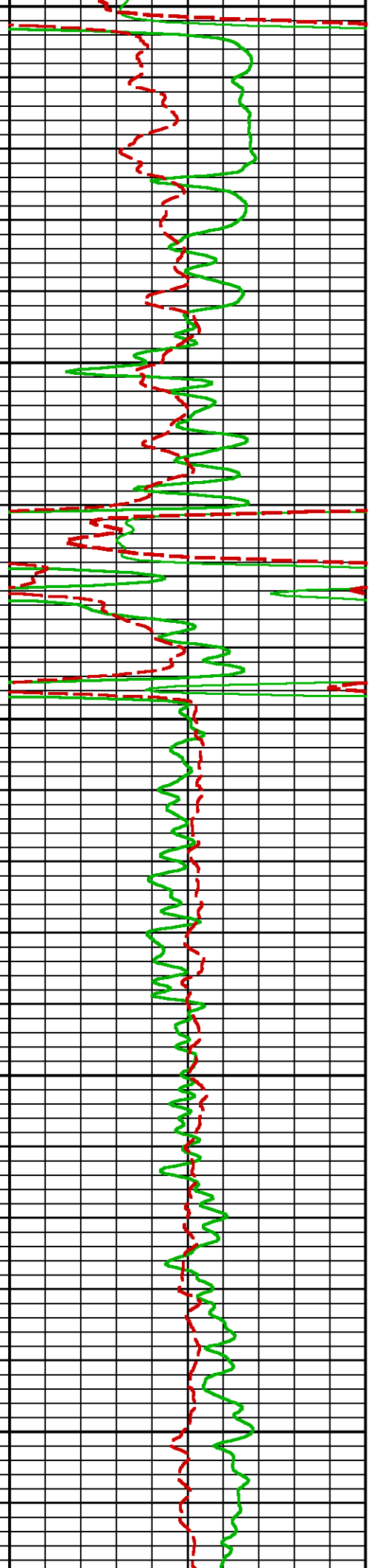


9200

9300

9400

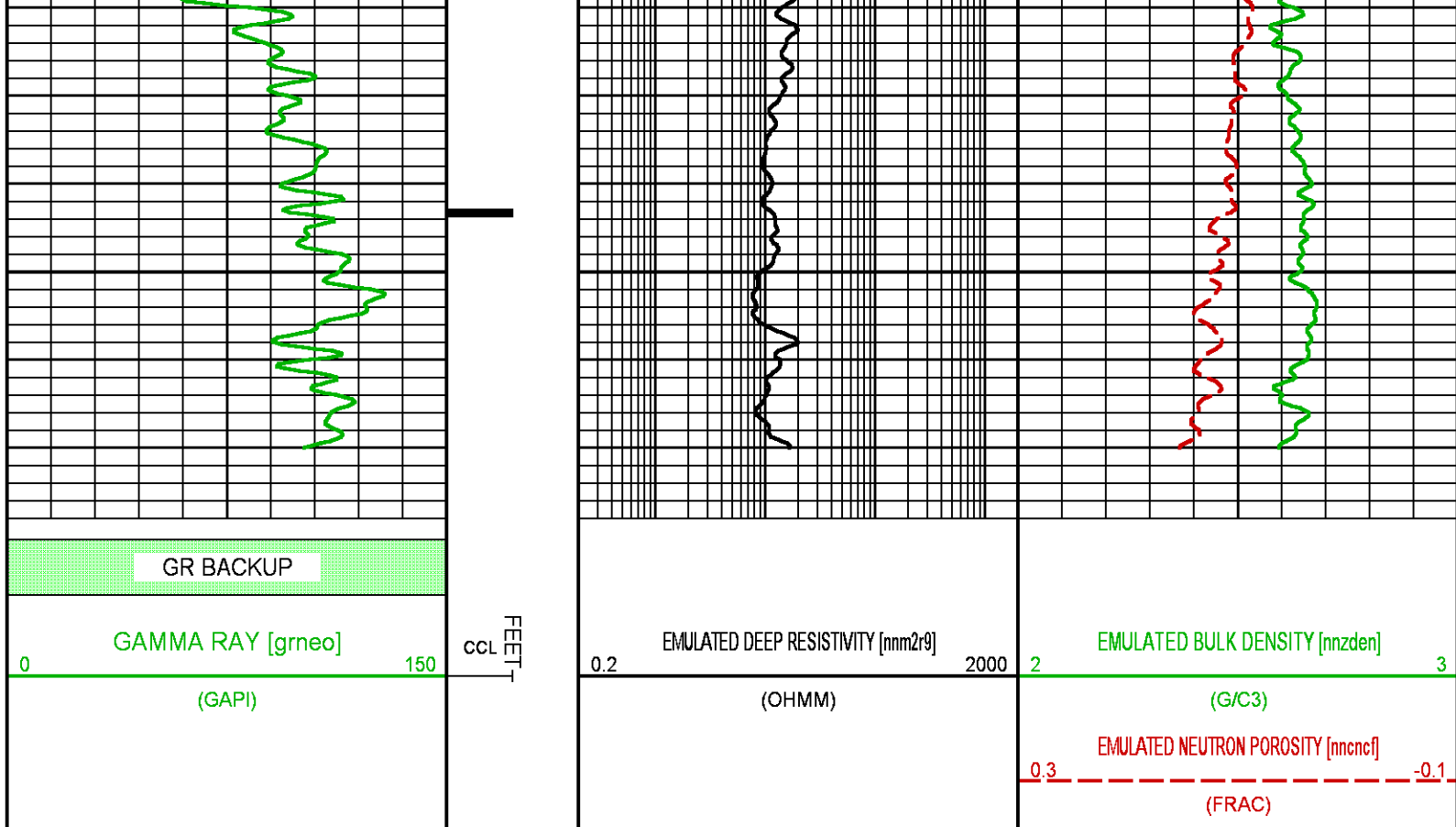




1000

9500

9600



**BAKER
HUGHES**
a GE company



COMPANY
WELL
FIELD
COUNTY

LARAMIE ENERGY
CC 0697-03-14W
GRAND VALLEY
GARFIELD

STATE **COLORADO**

FILE NO:

API NO:

05-045-23804-0000

LOCATION:

SEE REMARKS

SEC **3** **TWP** **6S** **RGE** **97W**

ELEVATIONS:

KB **8458 FT**

DF

GL **8428 FT**

DATE

30-AUG-2018

**Pulsed Neutron
Formation Evaluation**

