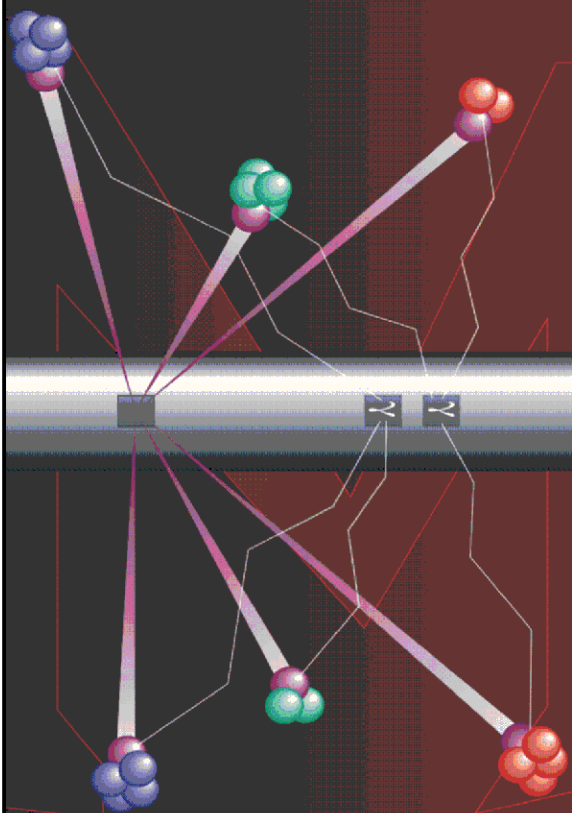


**BAKER
HUGHES**
a GE company



Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY LLC

WELL GUNDERSON 0994-13-17W

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 13 TWP 9S RGE 94W

ELEVATIONS:

KB 7302.0 FT DF GL 7272.0 FT

DATE 22-JUN-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>27-JUN-2018</u>
FIELD DATA	LOCATION: <u>GRAND JCT.</u>		ENGINEER: <u>M.BAUKA/US136906</u>	DATE: <u>22-JUN-2018</u>
FROM	TO			
<u>2213 FT</u>	<u>7457 FT</u>			

REMARKS

LOCATION:
SHL: LAT:39.273780, LONG:-107.834992
BHL: LAT:39.272770, LONG:-107.835142

TRAINING WELL:
GUNDERSON 0994-13-06W

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

BONG LOG IS DEPTH REFERENCE LOG

NEO RESULTS FOR GUNDERSON 0994-13-17W (G-SAND)

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

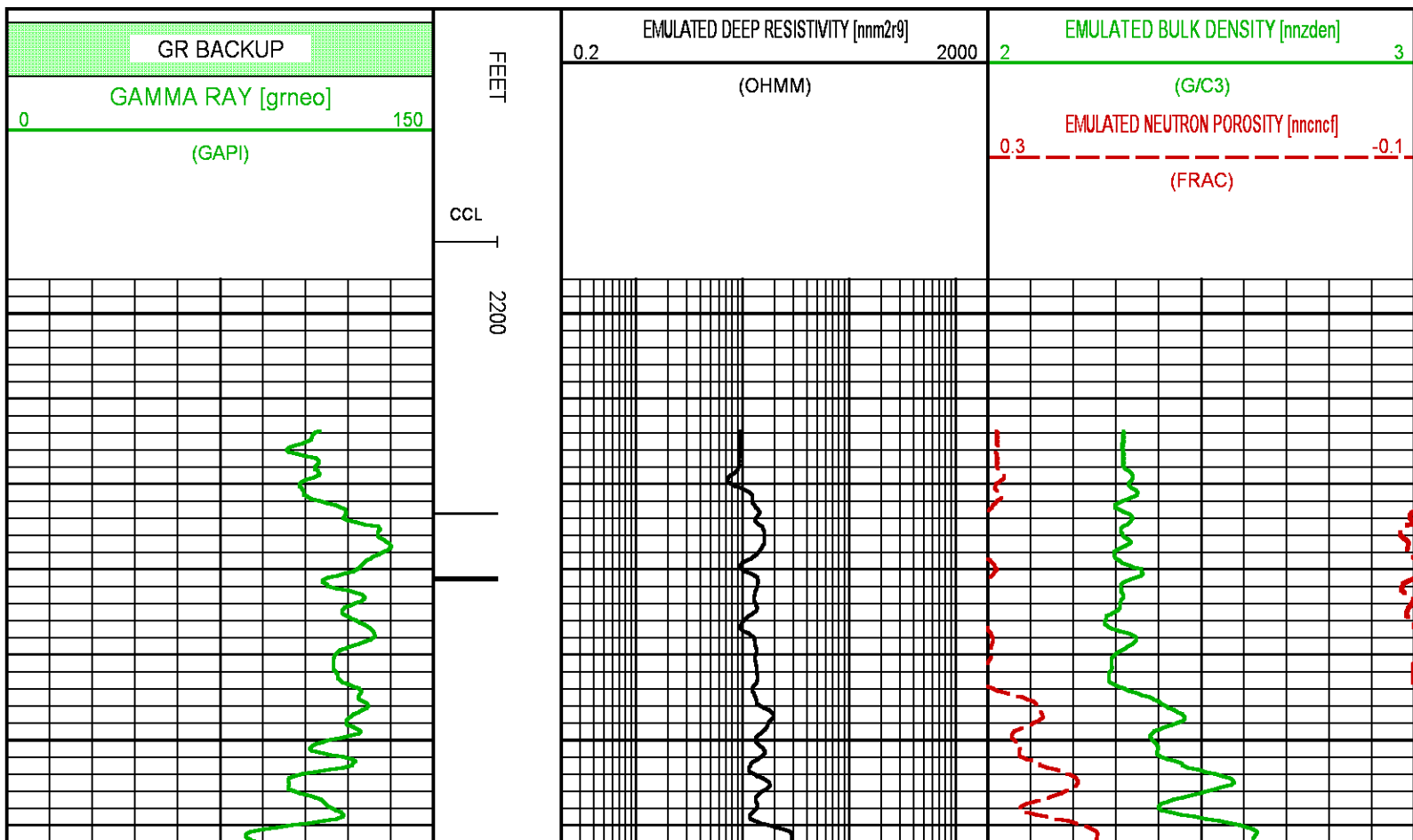
Plotted: Wed Jun 27 11:16:42 2018

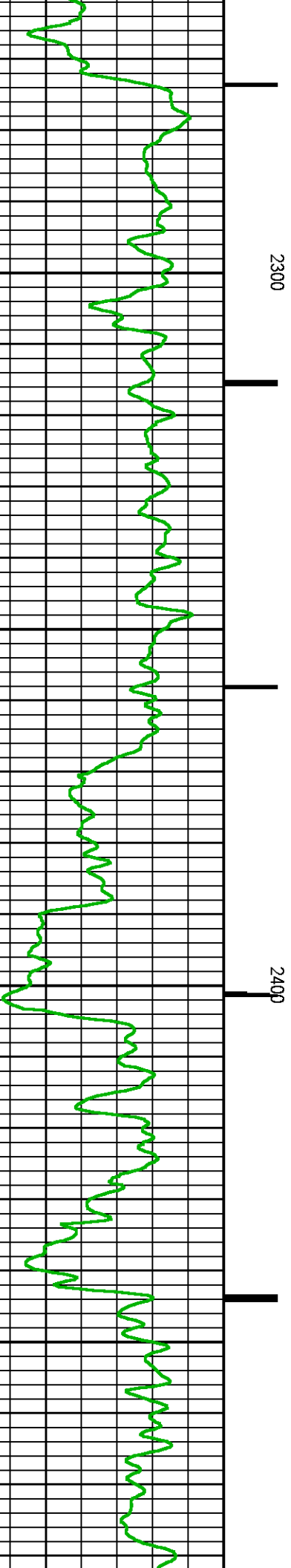
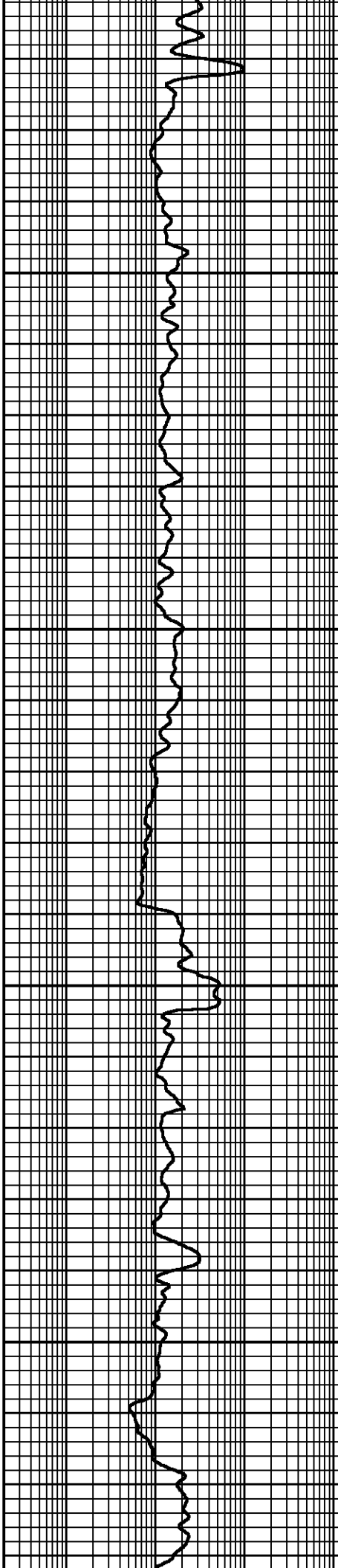
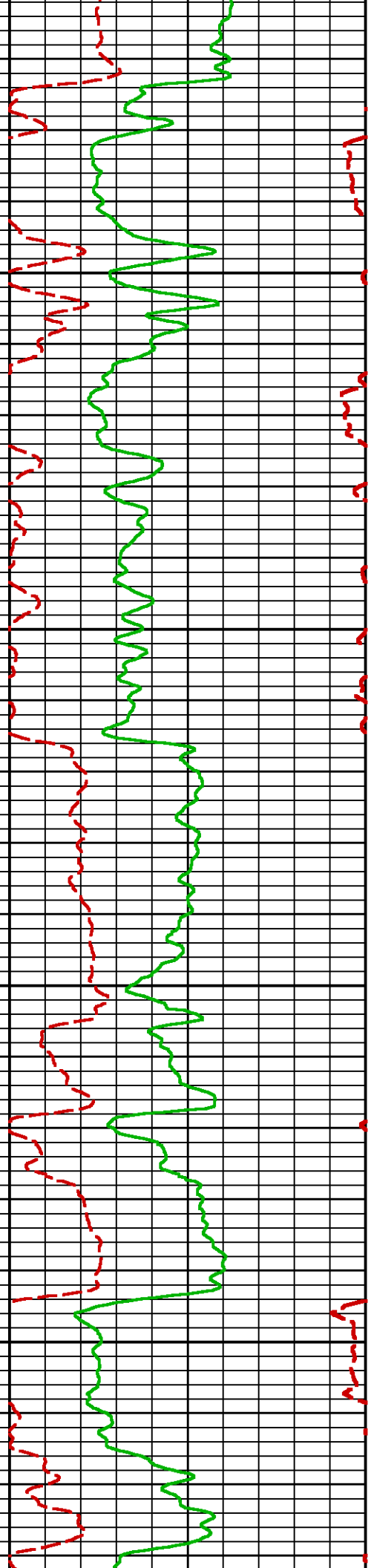
CURVE MEASURE POINT OFFSET

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_0994_13_17W_NEO\
 NEO_PRESENTATION_LARAMIE_G-Sand.pdf [5"/100' Scale]
Plot Interval : 2197 - 2843 Feet

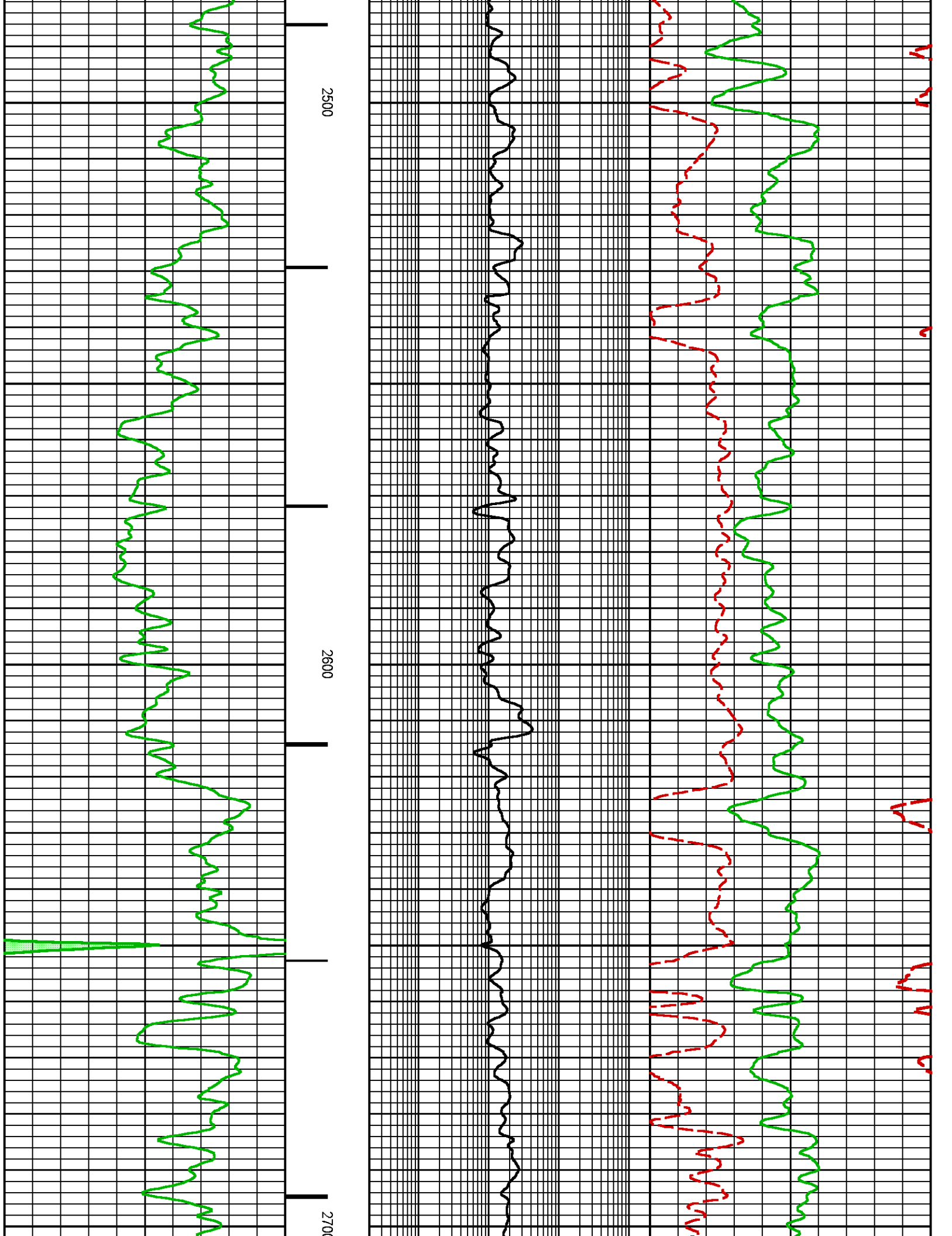
Data File 1 : F1 : BHI1F65XZ1:D:\Ape_Projects\Laramie_0994_13_17W_NEO\Merged_Set_Final.xtf
Created On : N/A
Company : LARAMIE ENERGY LLC
Well : GUNDERSON 0994-13-17W
Field : VEGA
File Interval : 2213.75 - 7457.75 Feet
OCT : NA

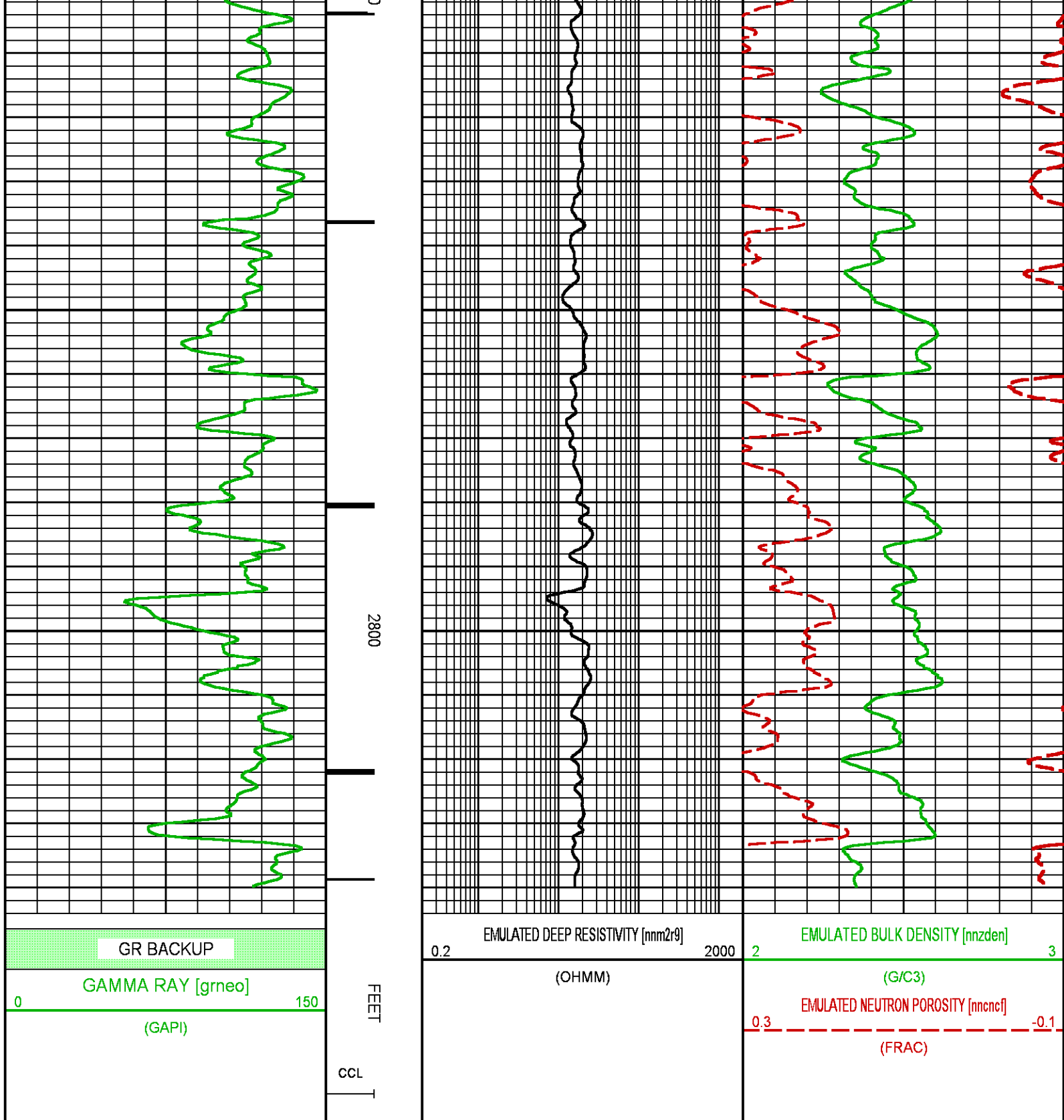




2300

2400

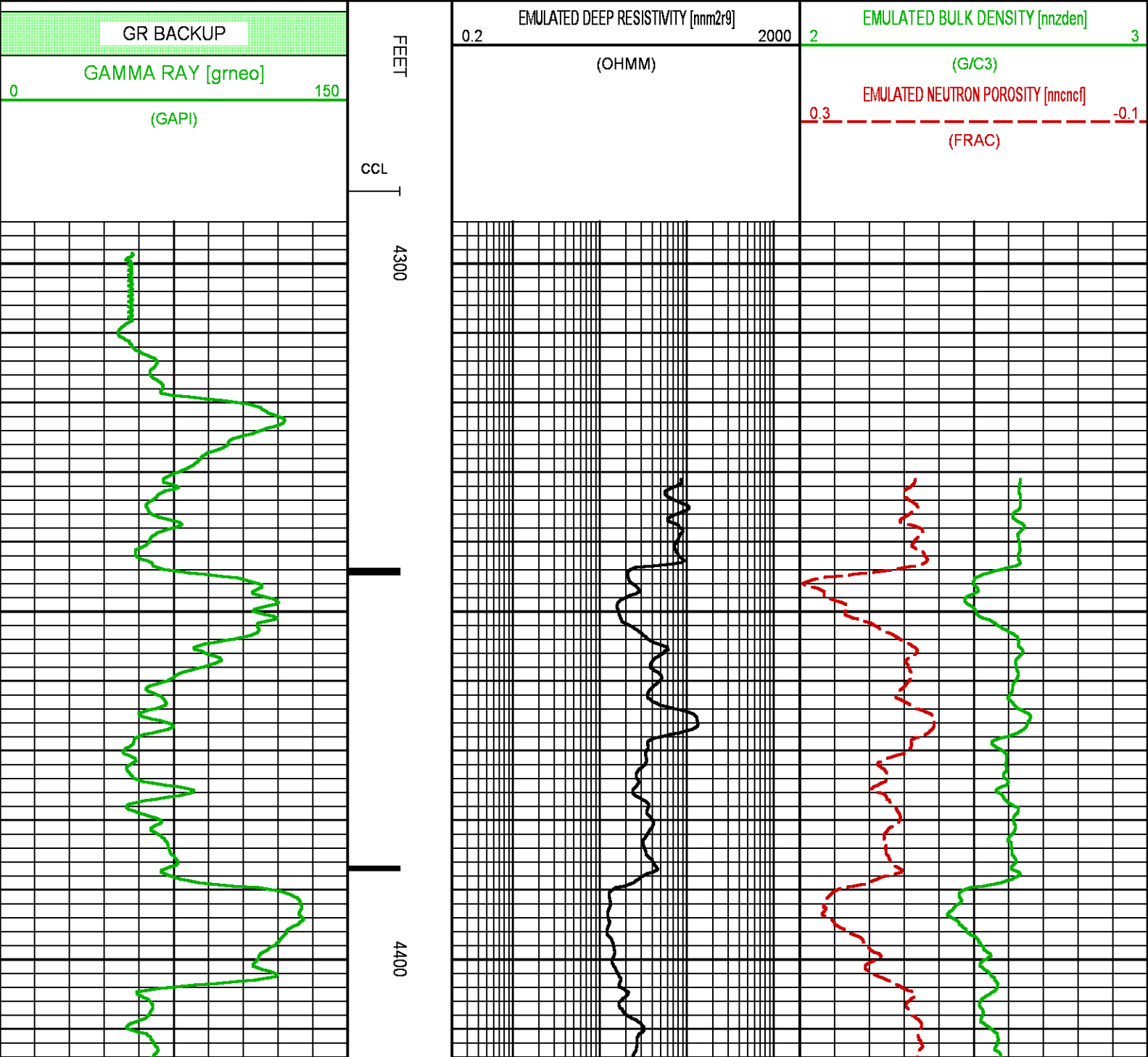


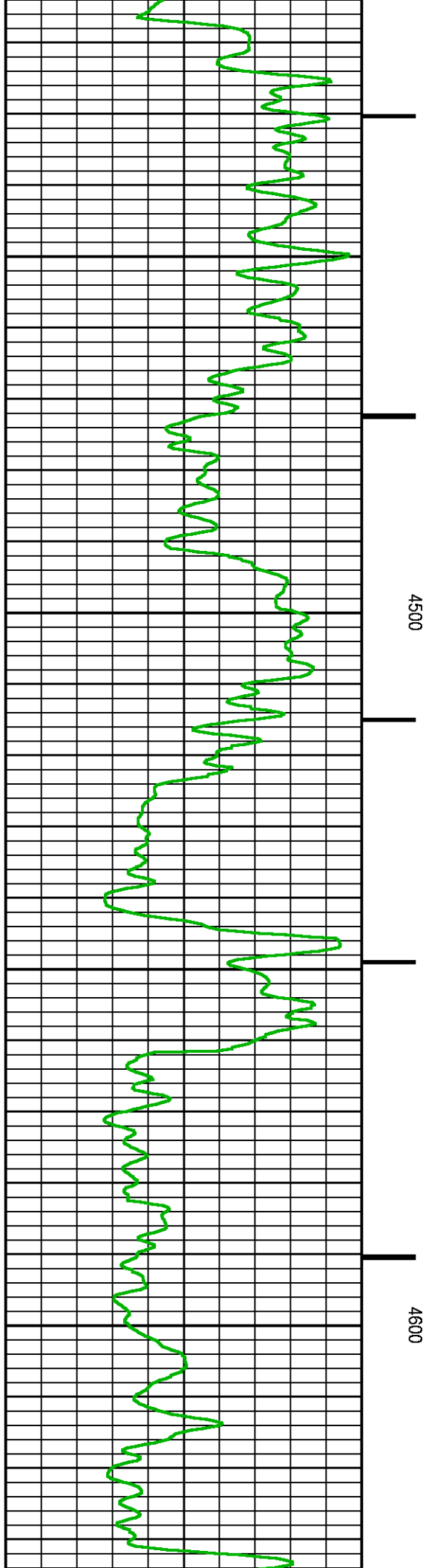
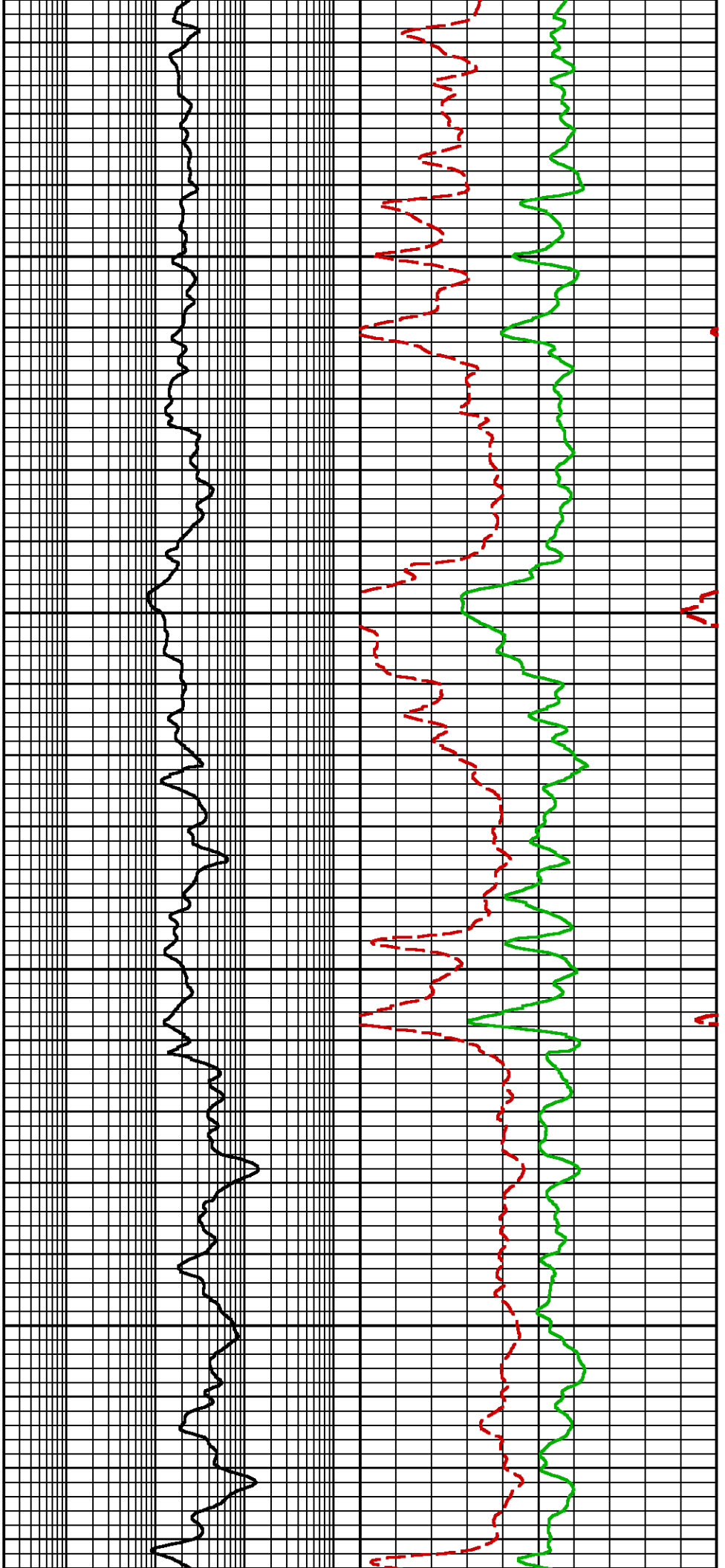


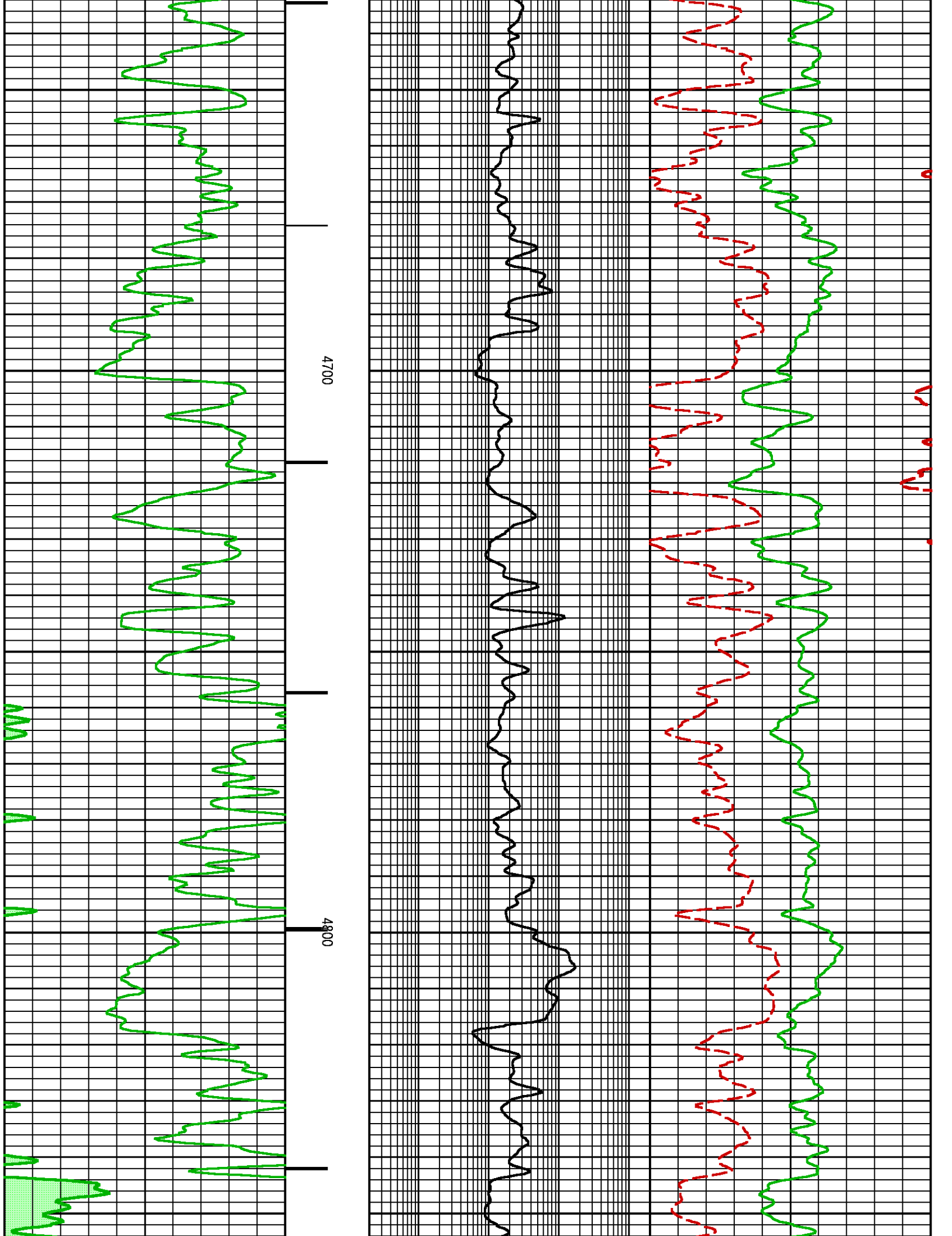
NEO RESULTS FOR GUNDERSON 0994-13-17W (MAIN)

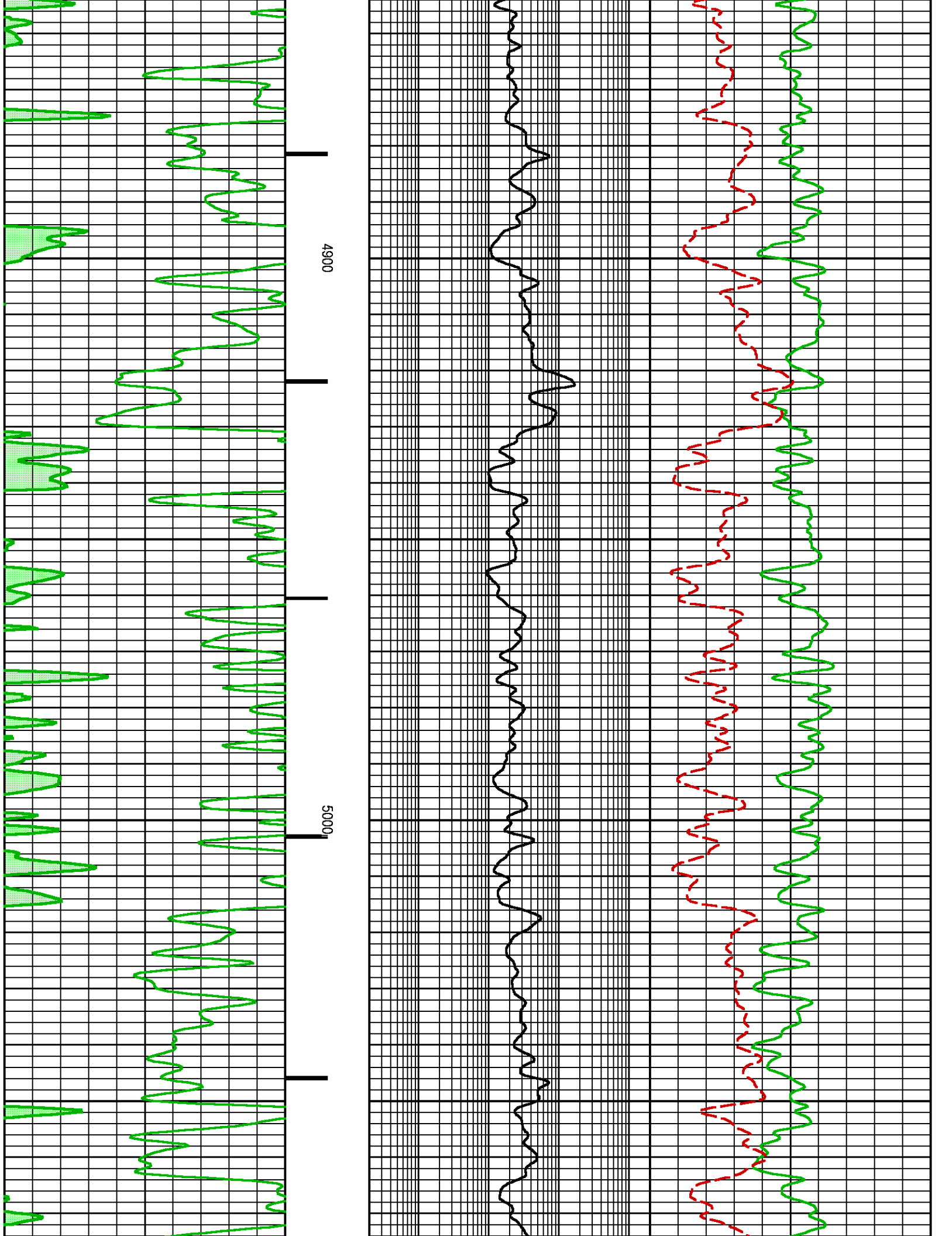
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCF	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

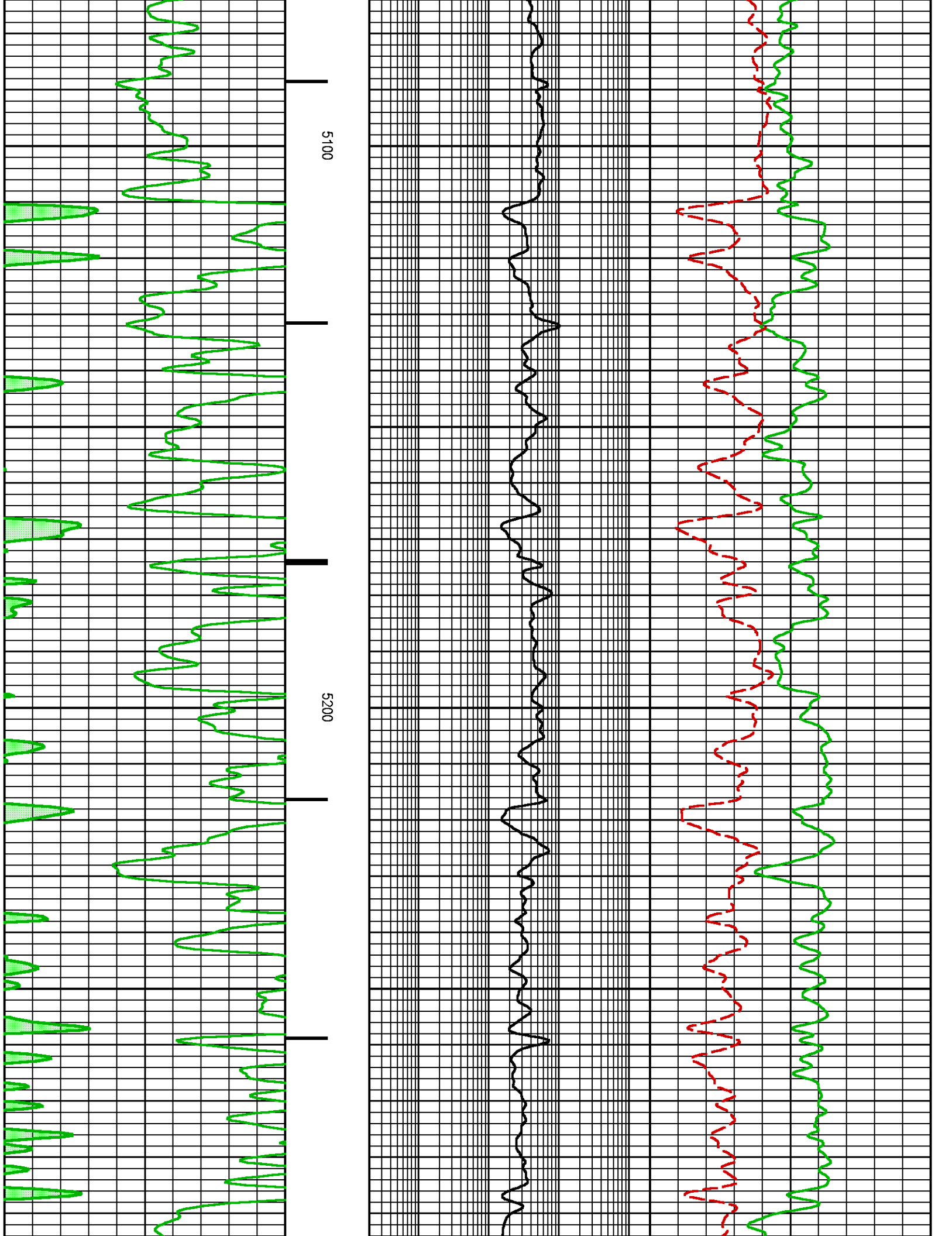
Project	: NA
User	: kotoale
Presentation	: BHI1F65XZ1:d:\Ape_Projects\Laramie_0994_13_17W_NEO\NEO_PRESENTATION_LARAMIE_MAIN.pdf [5"/100" Scale]
Plot Interval	: 4294 - 7462 Feet
Data File 1	: F1 : BHI1F65XZ1:D:\Ape_Projects\Laramie_0994_13_17W_NEO\Merged_Set_Final.xtf
Created On	: N/A
Company	: LARAMIE ENERGY LLC
Well	: GUNDERSON 0994-13-17W
Field	: VEGA
File Interval	: 2213.75 - 7457.75 Feet
OCT	: NA

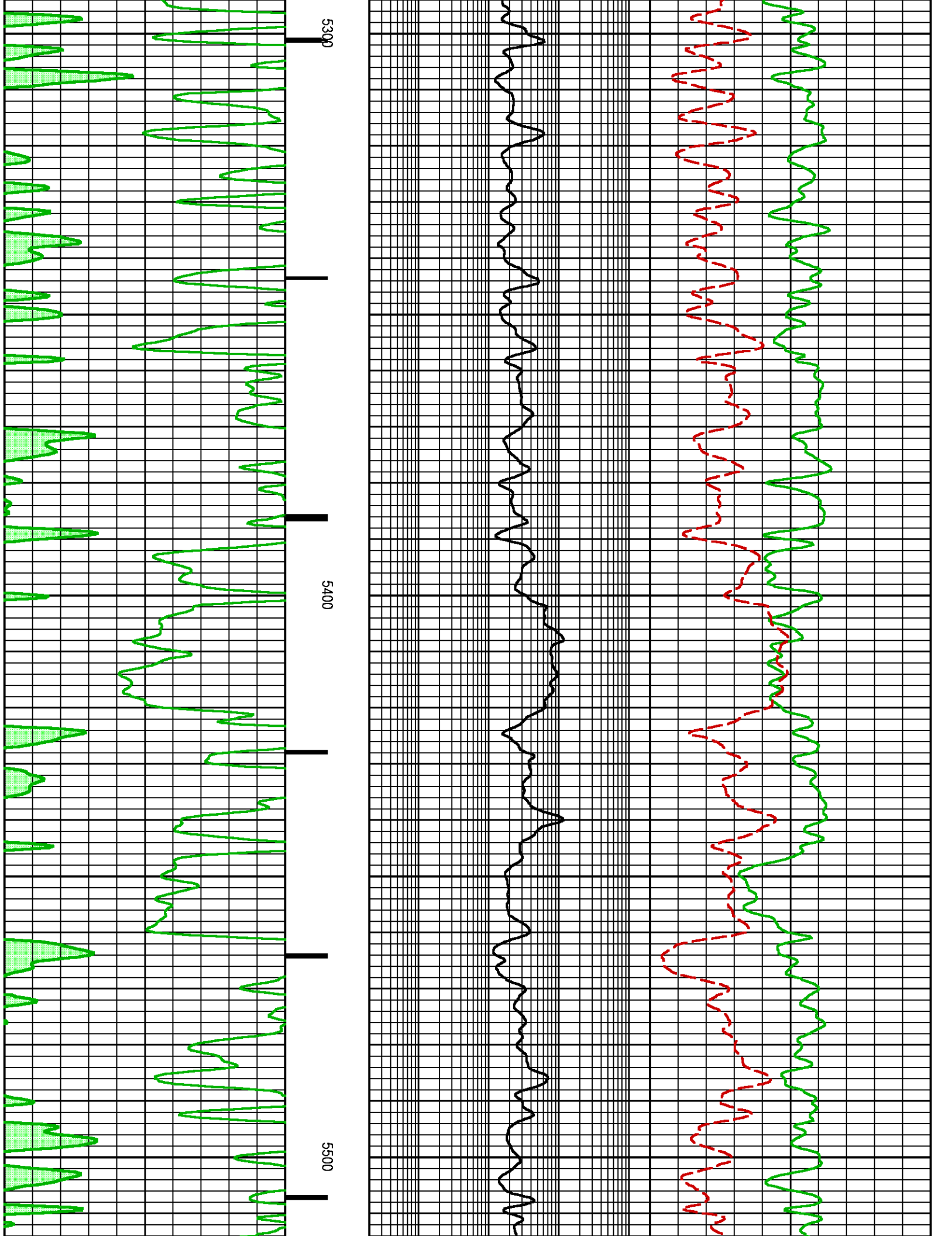


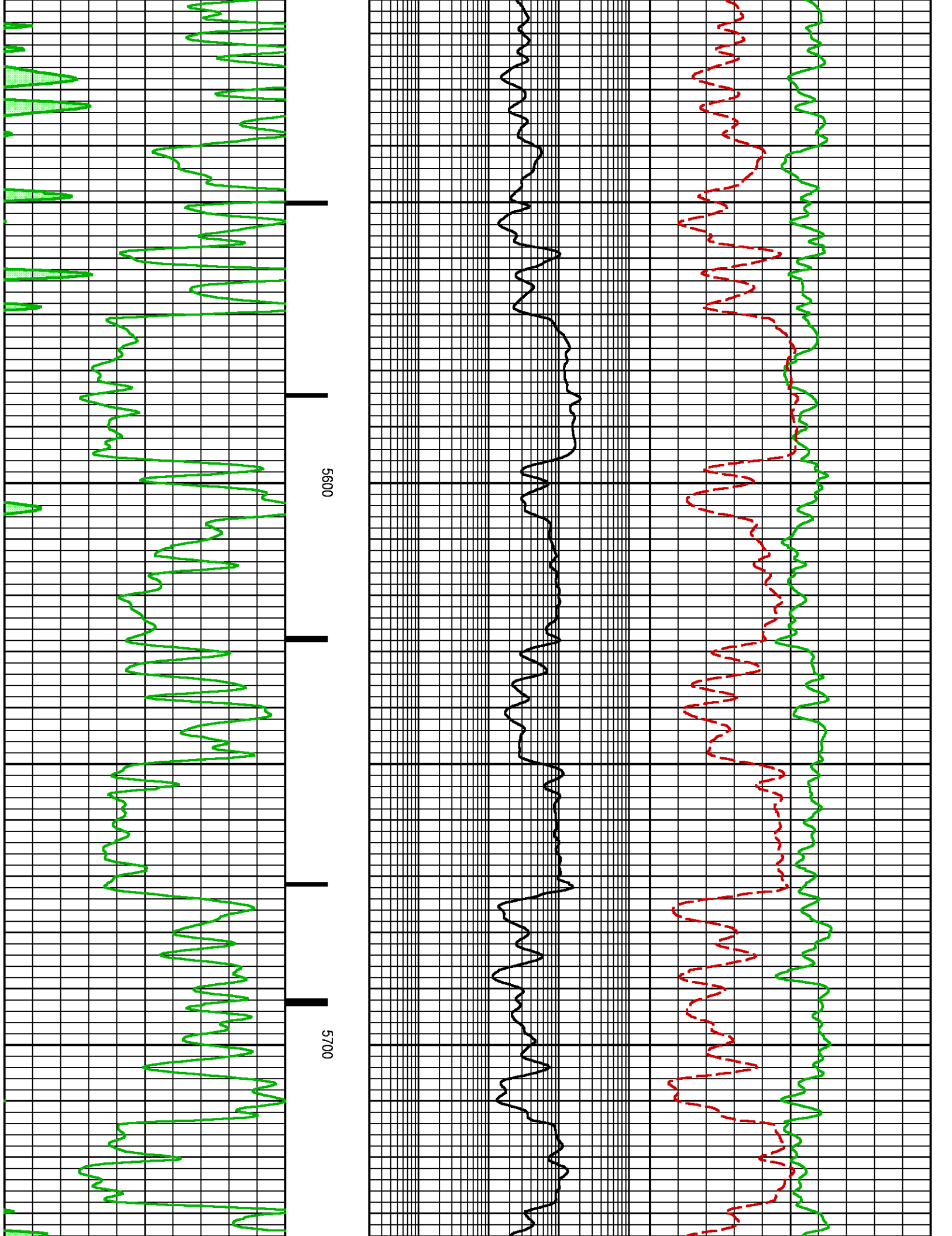


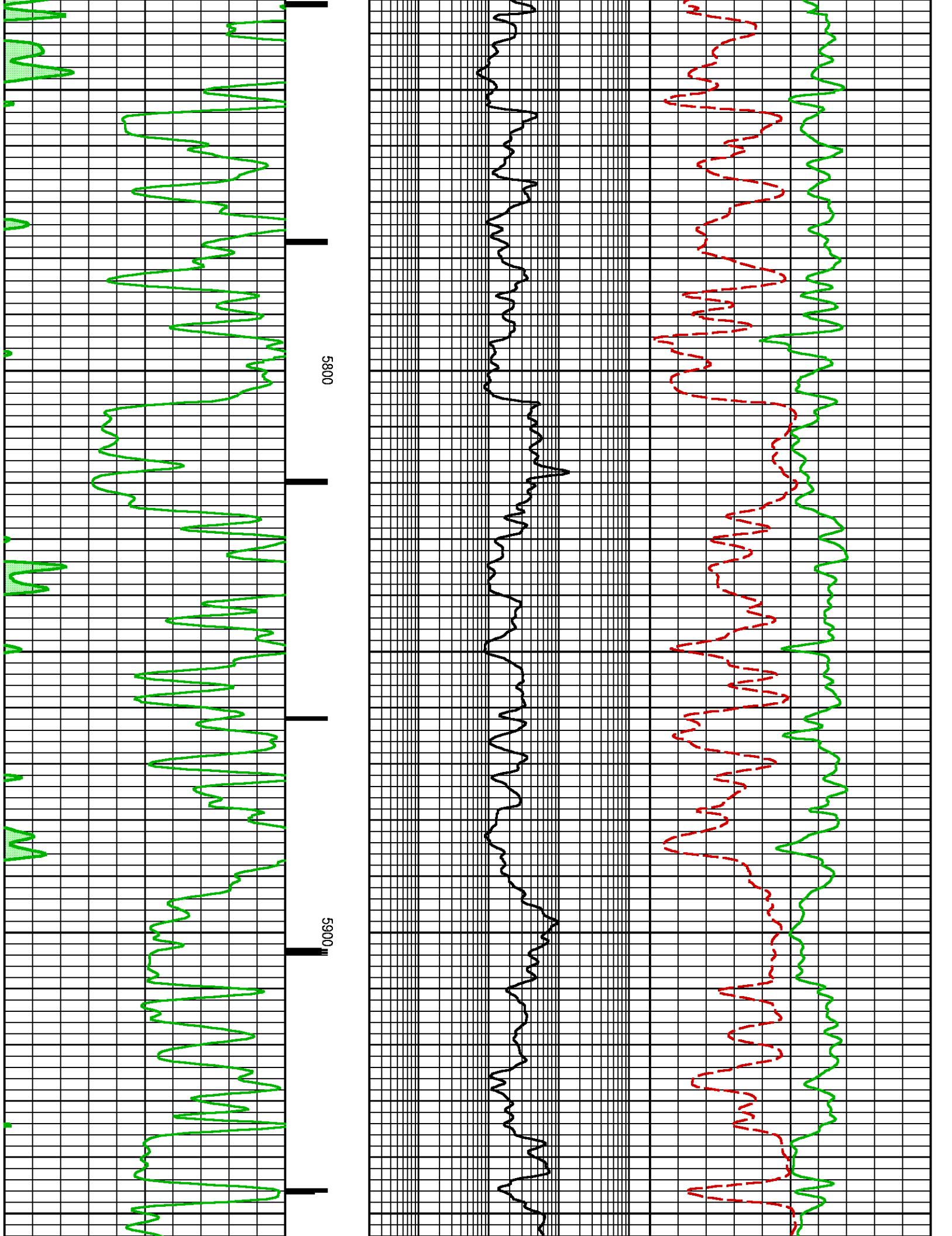


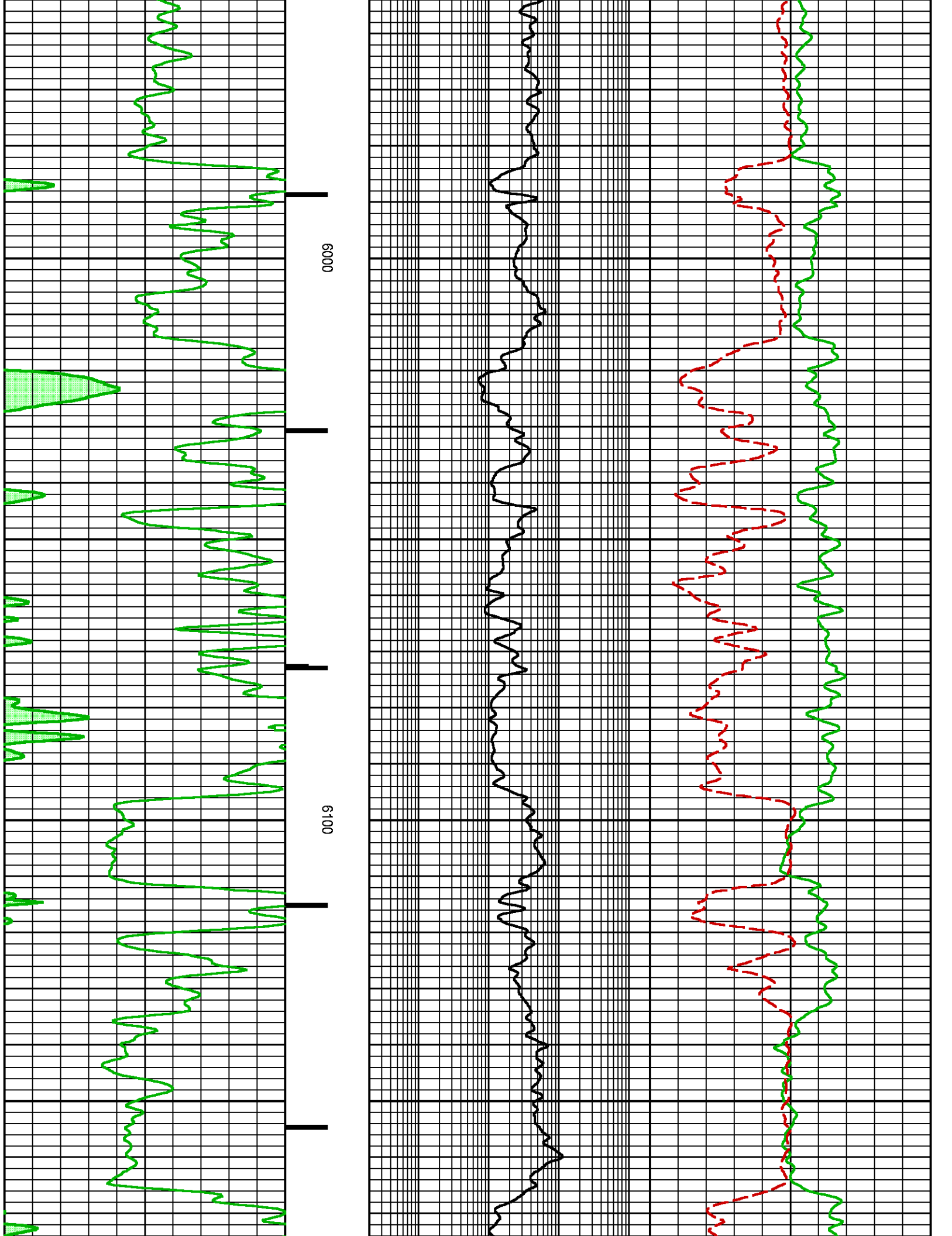


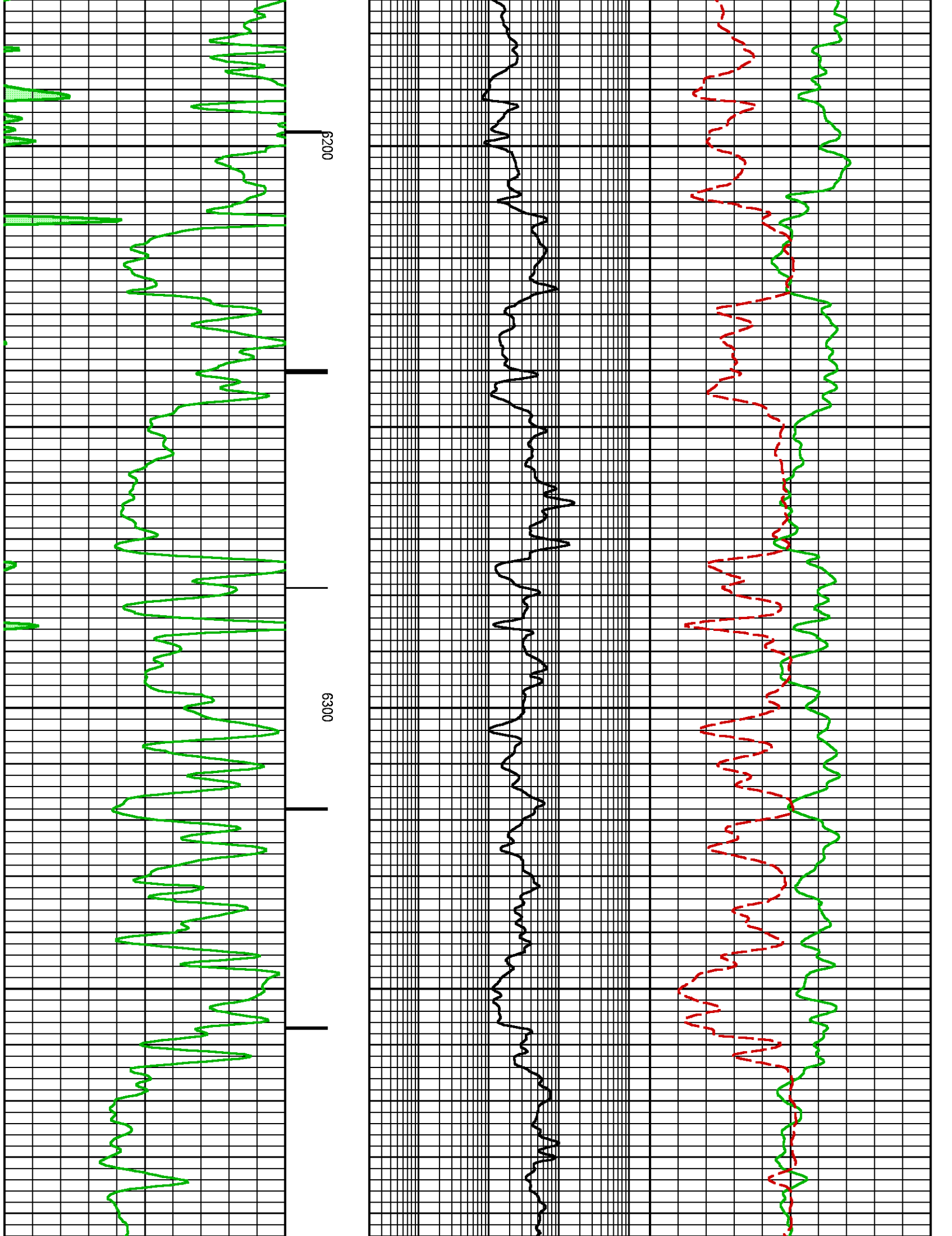


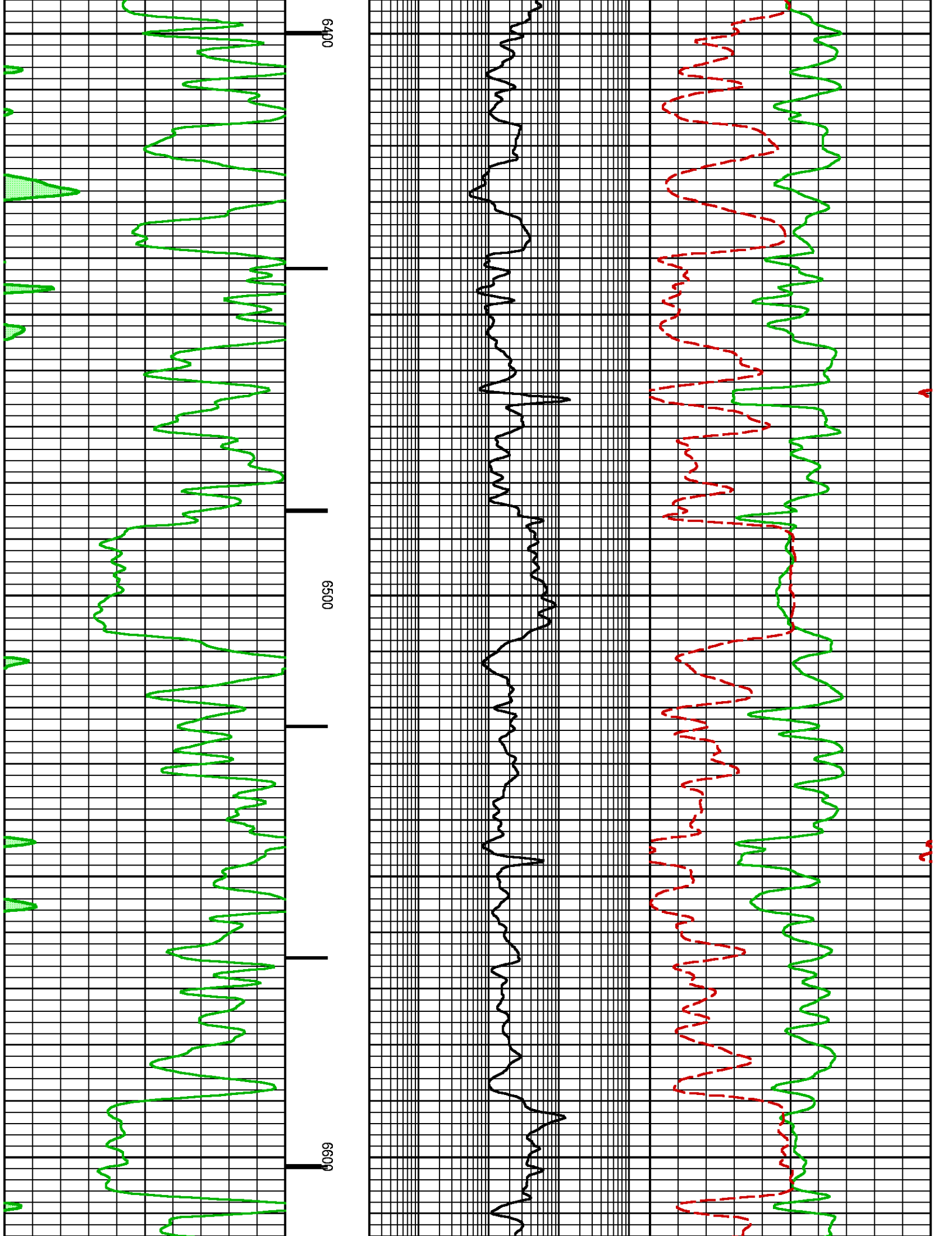


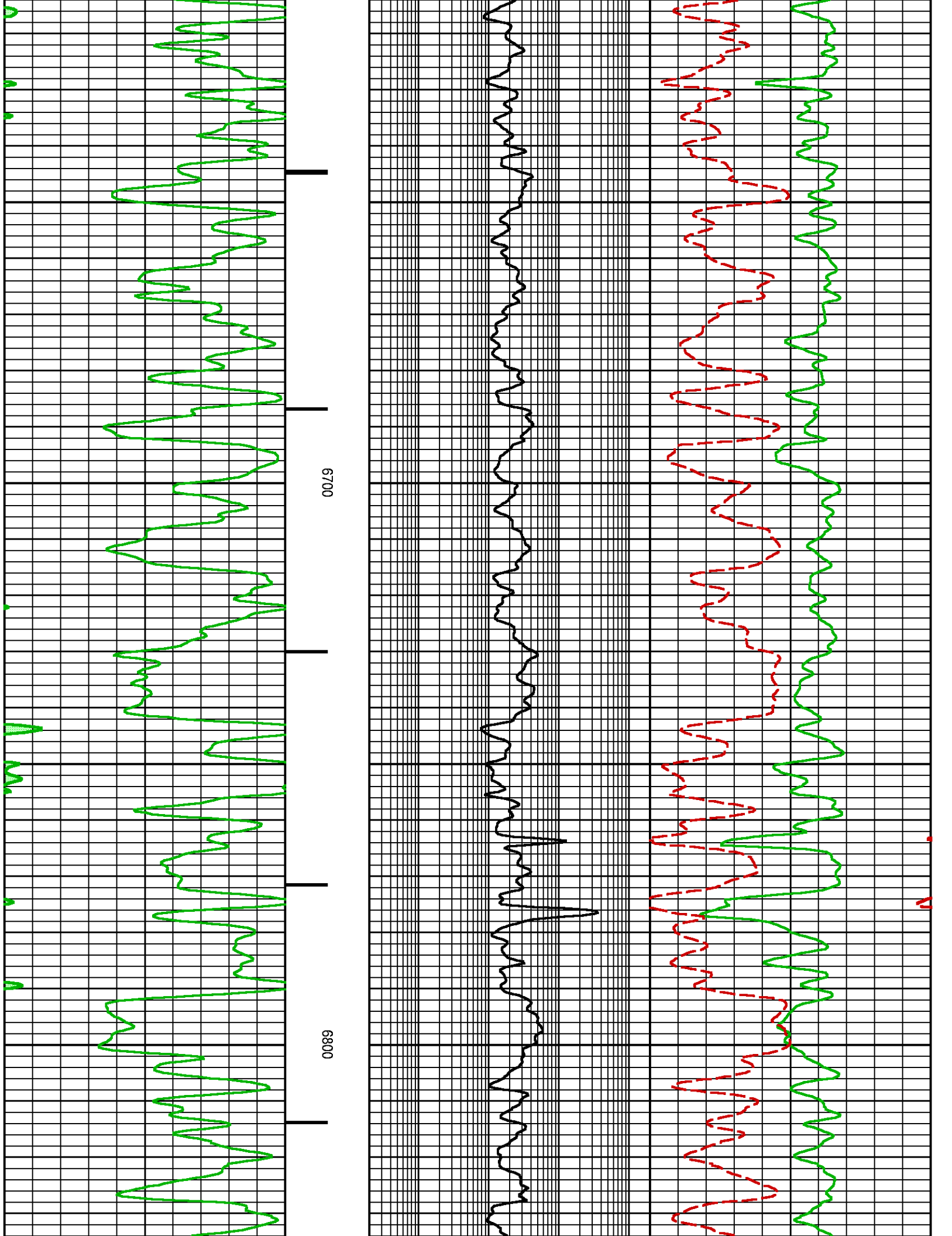


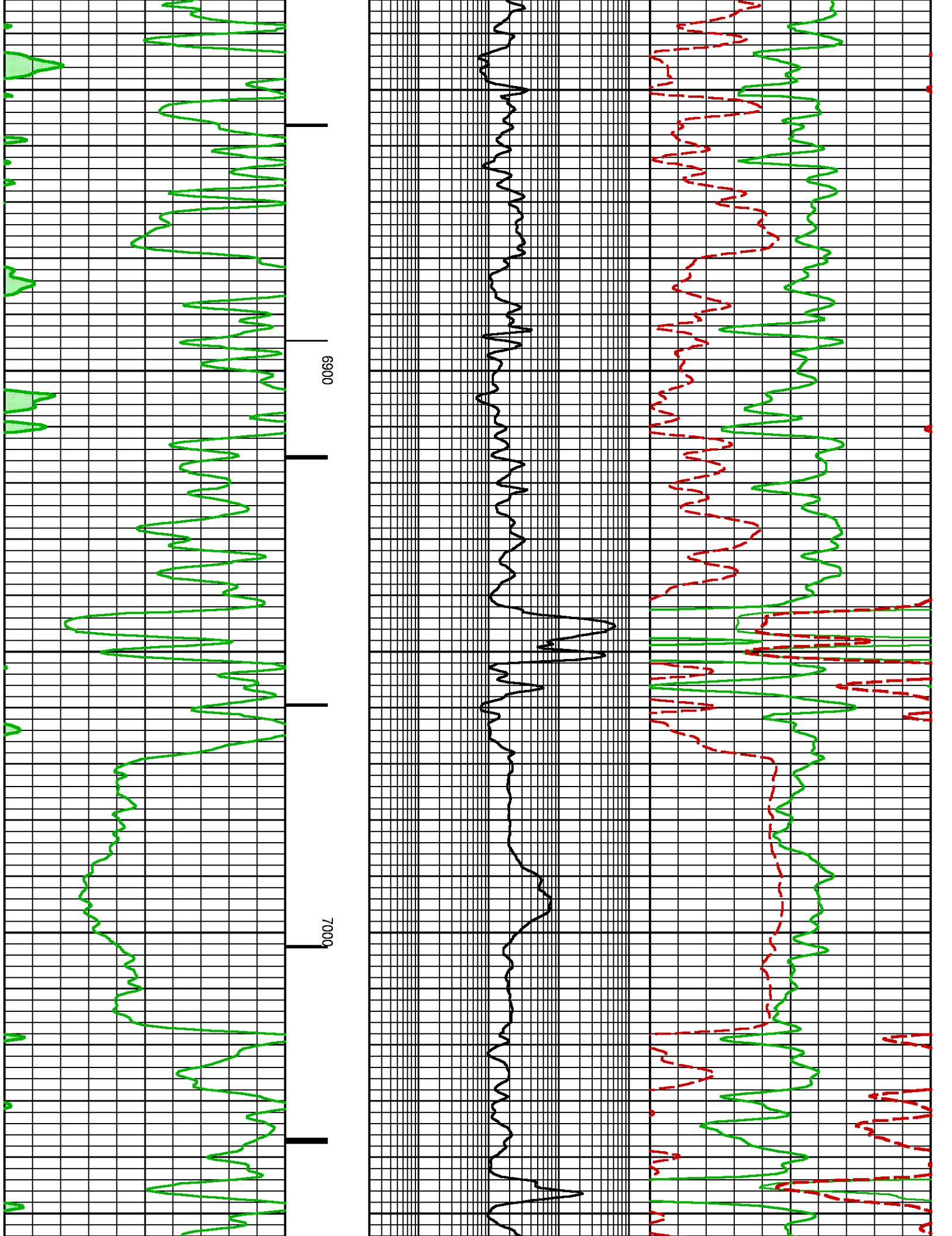


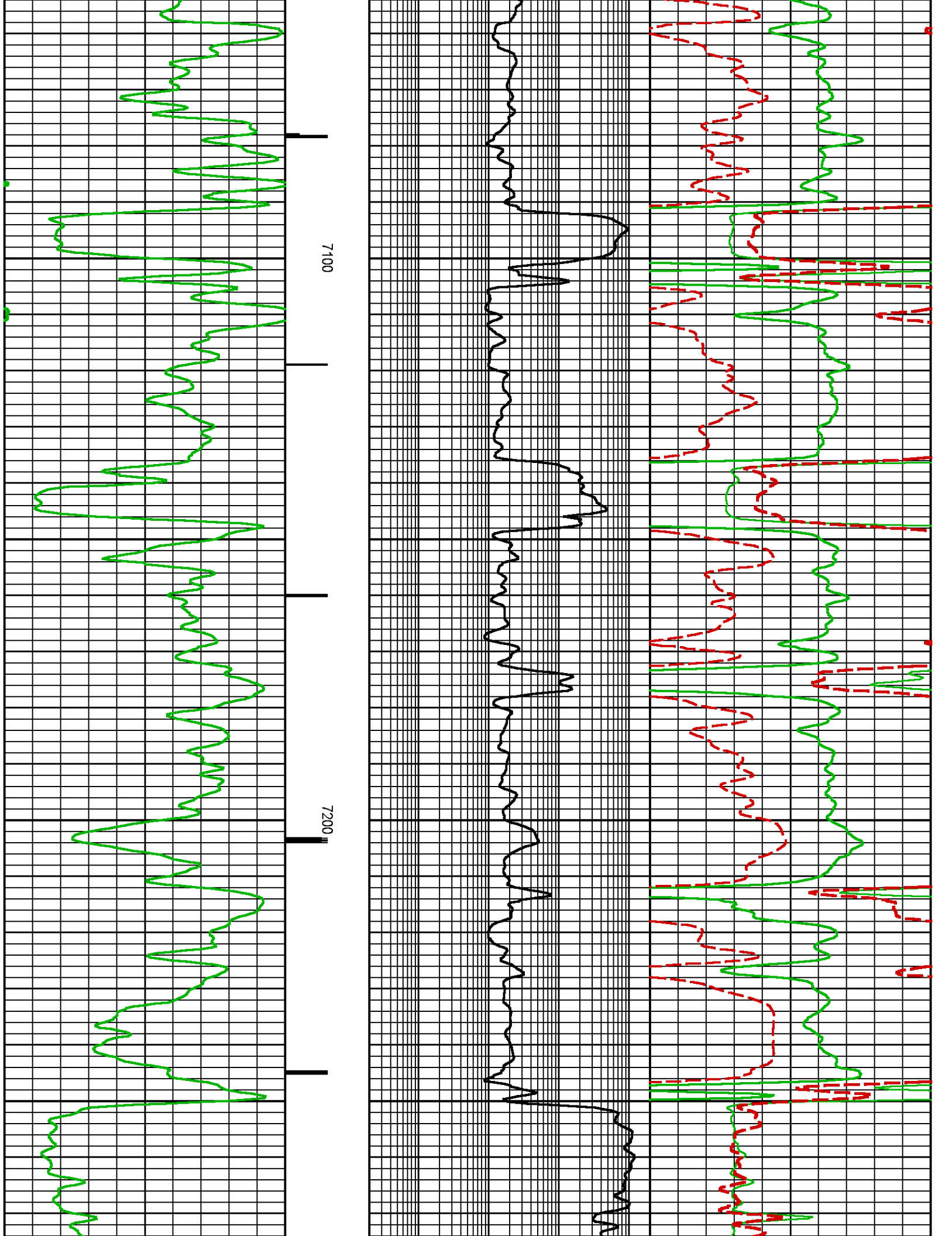


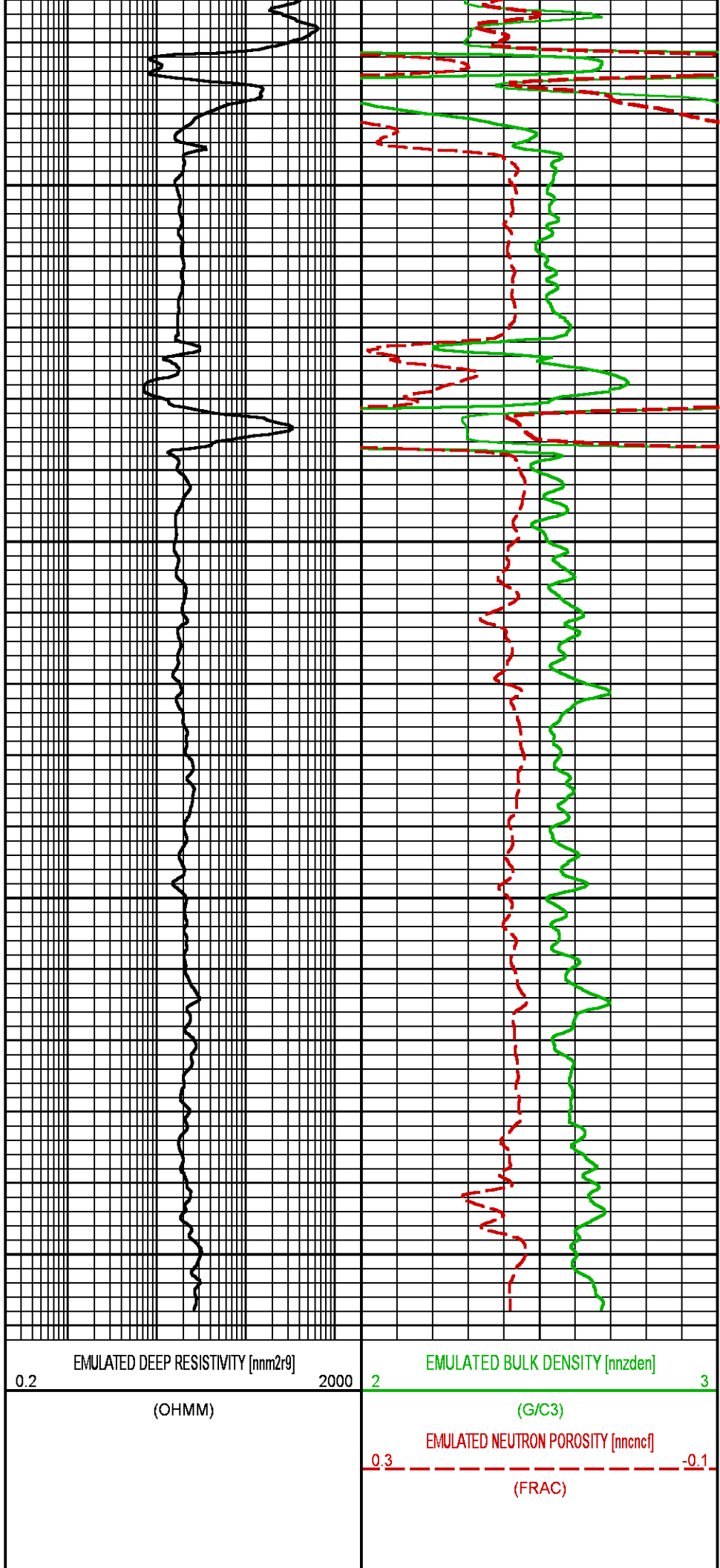
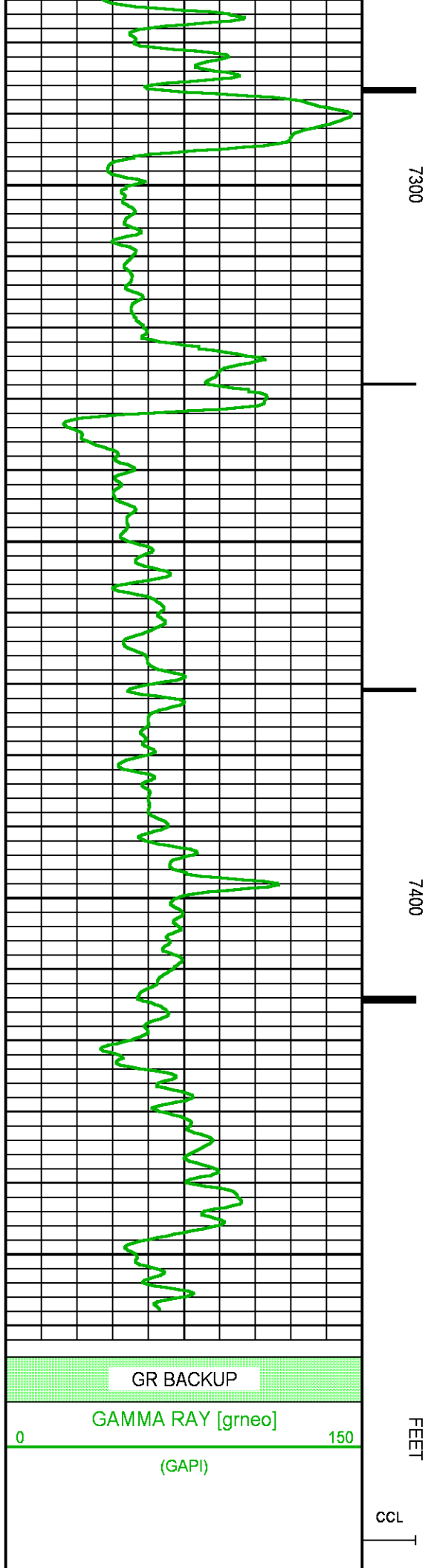














COMPANY LARAMIE ENERGY LLC
WELL GUNDERSON 0994-13-17W
FIELD VEGA
COUNTY MESA STATE COLORADO

FILE NO: _____
API NO: 05077105470000

LOCATION:

SEE REMARKS SECTION

SEC 13 TWP 9S RGE 94W

ELEVATIONS:

KB 7302.0 FT

DF

GL 7272.0 FT

DATE 22-JUN-2018

Pulsed Neutron
Formation Evaluation

