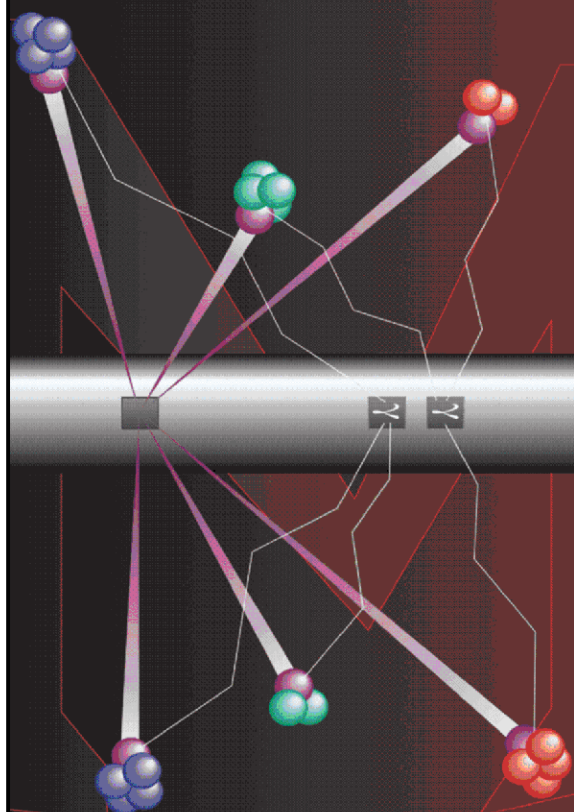




Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE FEDERAL 28-13E

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION: SEE REMARKS SECTION

SEC 28 TWP 9S RGE 93W

ELEVATIONS:

KB 7704 FT DF GL 7682 FT

DATE 9-FEB-2016 ECC 21028-01

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 GEOSCIENCES</u>	LOG ANALYST: <u>SEB. KAMGANG</u>	DATE: <u>9-FEB-2016</u>
FIELD DATA	LOCATION: <u>GRAND JCT</u>	ENGINEER: <u>EDWARDS / US101518</u>	DATE: <u>22-JAN-2016</u>
FROM	TO		
<u>2804 FT</u>	<u>3437 FT</u>		
<u>4964 FT</u>	<u>8283 FT</u>		

REMARKS

LOCATION:
SHL: 2042' FSL & 2489' FWL
BHL: 2113' FSL & 877' FEL

TRAINING WELL: PICEANCE FEDERAL 28-21E

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

BOND LOG IS DEPTH REFERENCE LOG

NEO RESULTS FOR PICEANCE FEDERAL 28-13E (G-SAND)

ECLIPS EC PLOT 6.2 ECLIPS Plotting & Post-Processing Mon 11/17/2014 14:36:44.29

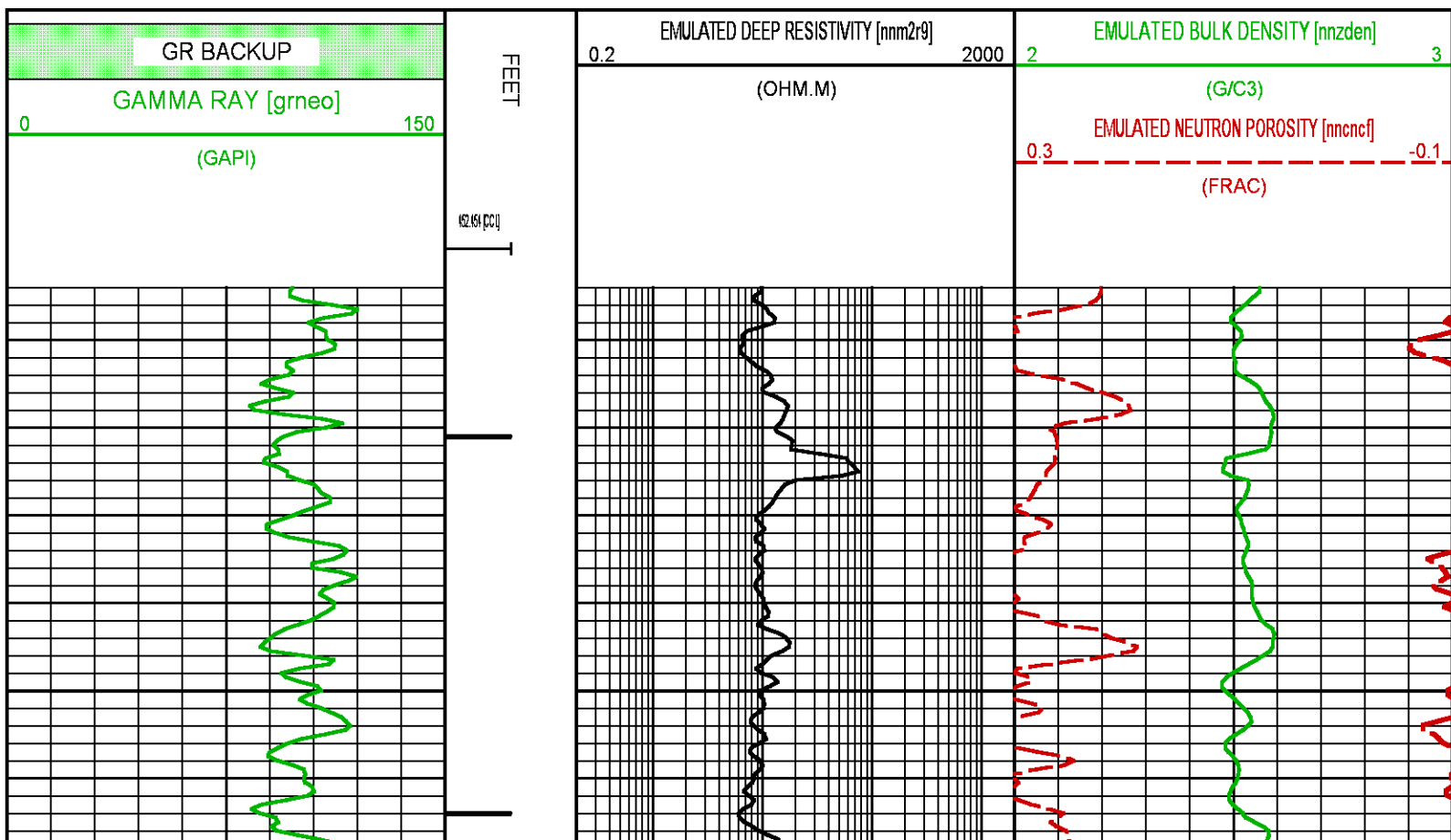
Plotted: Tue Feb 09 14:17:04 2016

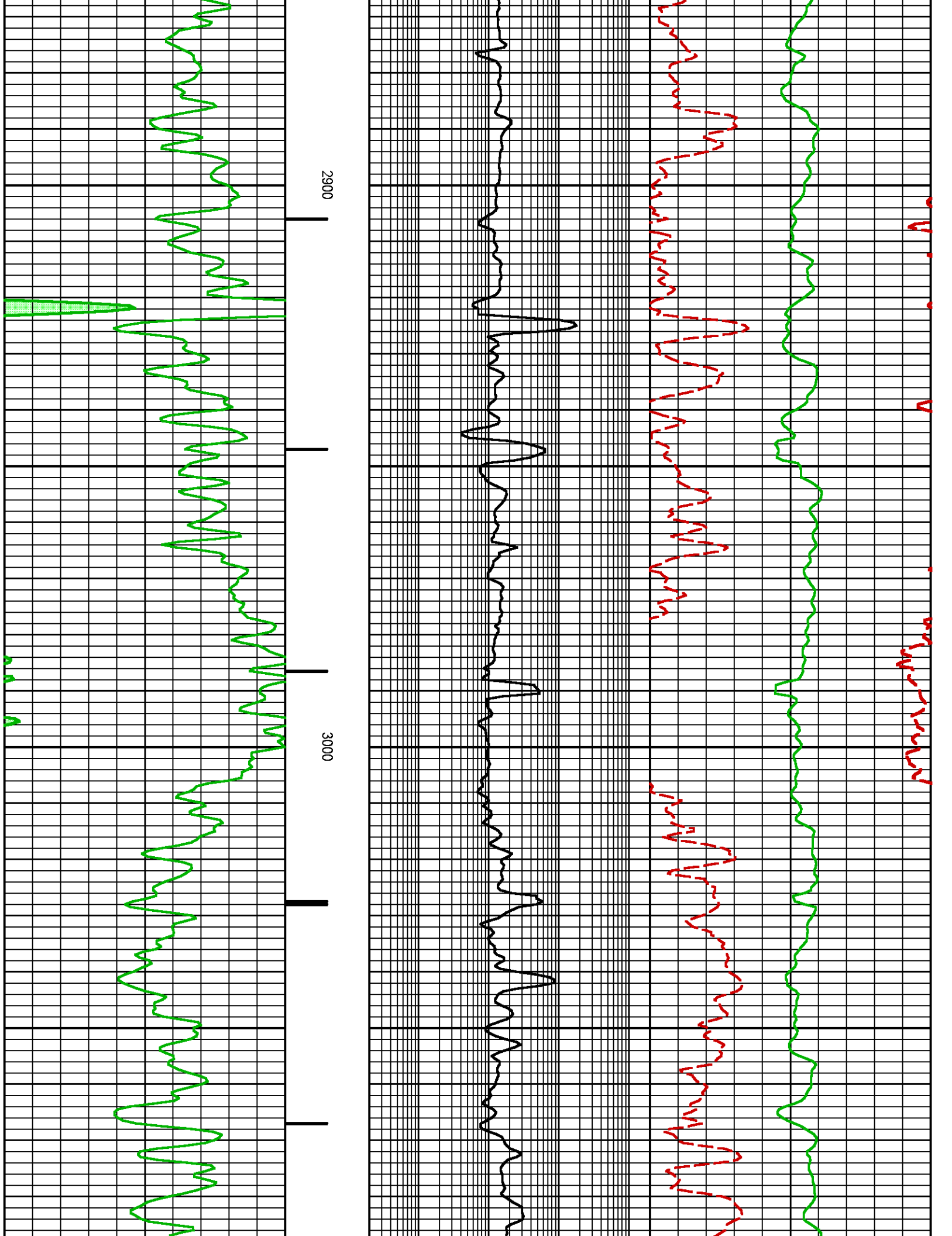
CURVE MEASURE POINT OFFSET

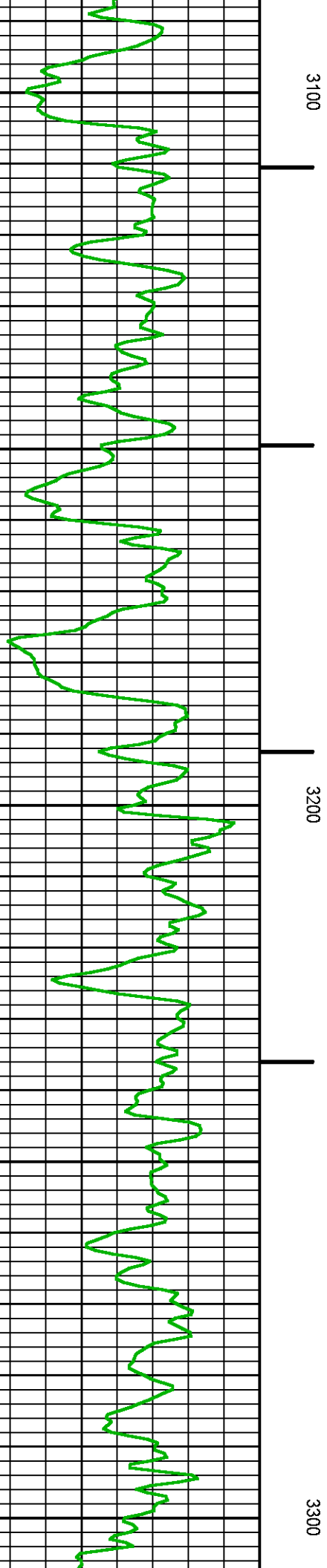
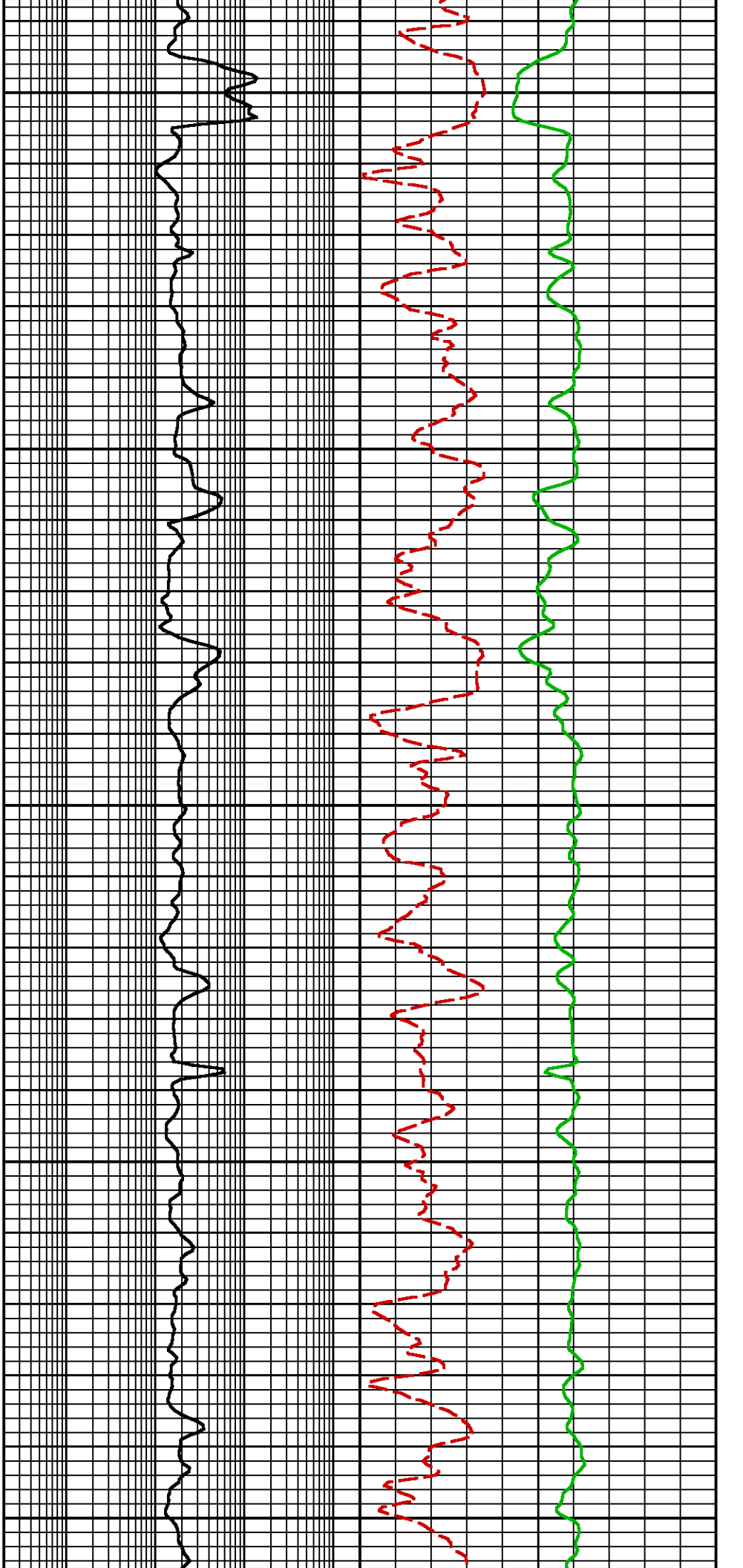
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCf	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

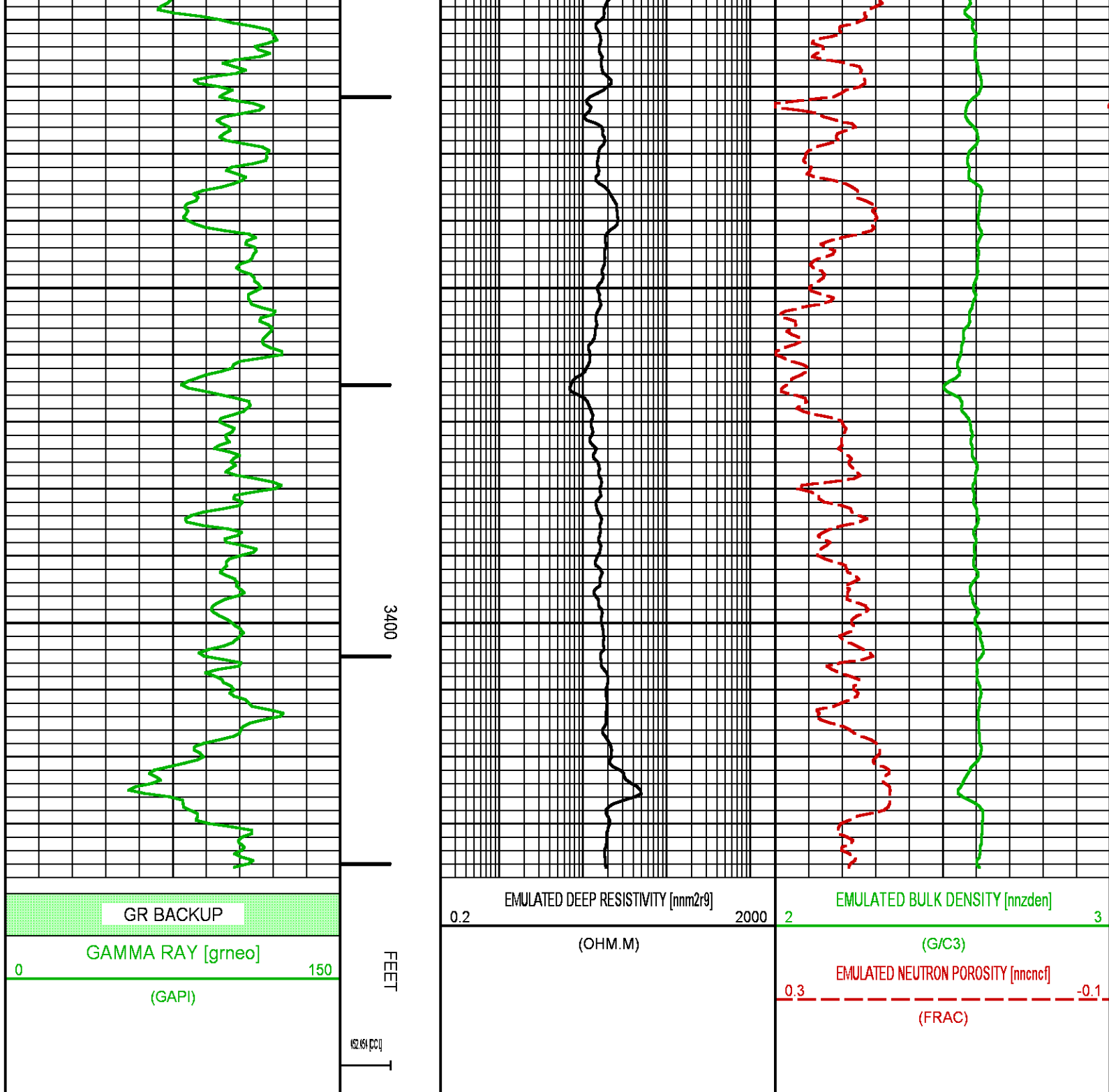
Project : NA
User : kamgseb
Presentation : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2813E\
 1NEO_PRESENTATION+PICEANCE_FEDERAL_28_13E_Merged_Set_Final.fvpdf [5"/100' Scale]
Plot Interval : 2804 - 3437 Feet

Data File 1 : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2813E\
 PICEANCE_FEDERAL_28_13E_Merged_Set_Final.xtf
Created On : Feb 9 12:53:00 2016
Company : LARAMIE ENERGY
Well : PICEANCE_FEDERAL_28_13E
Field : VEGA
File Interval : 2804 - 8289 Feet
OCT : NA









NEO RESULTS FOR PICEANCE FEDERAL 28-13E (MAIN)

ECLIPS EC PLOT 6.2 ECLIPS Plotting & Post-Processing Mon 11/17/2014 14:36:44.29

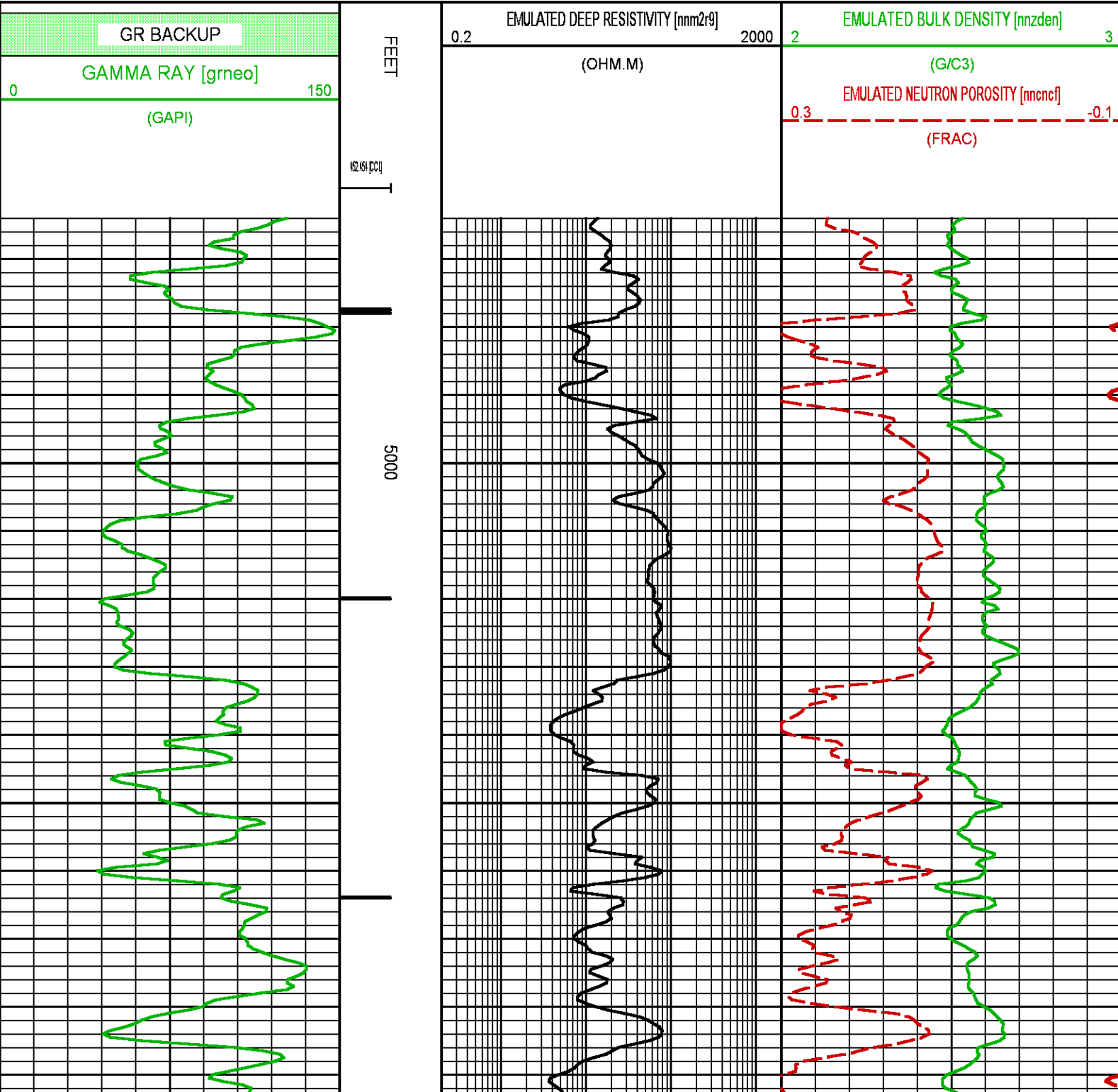
Plotted: Tue Feb 09 14:17:45 2016

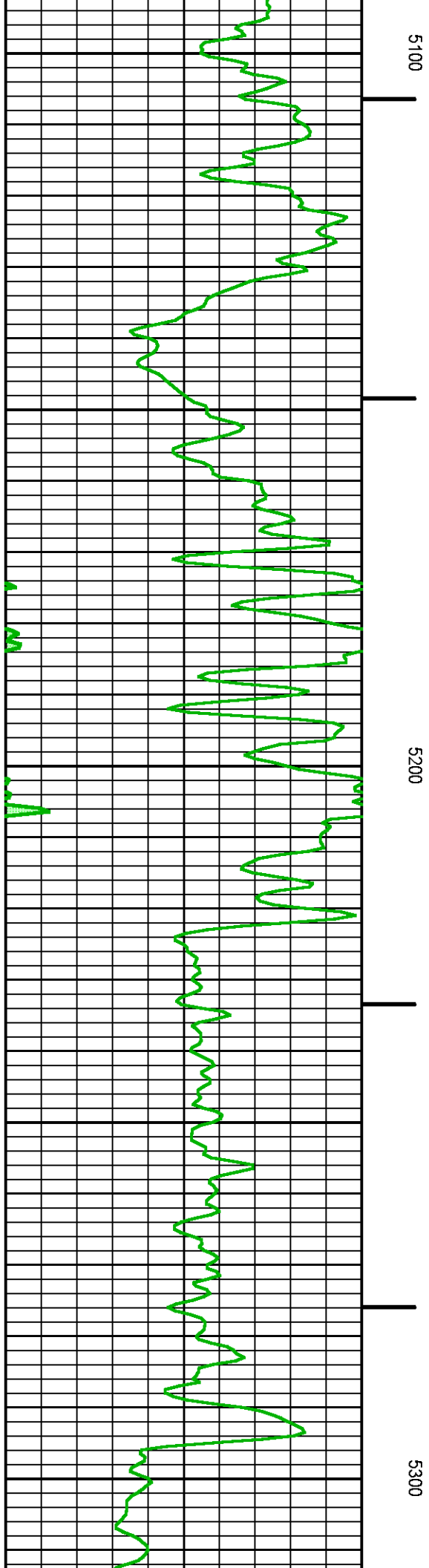
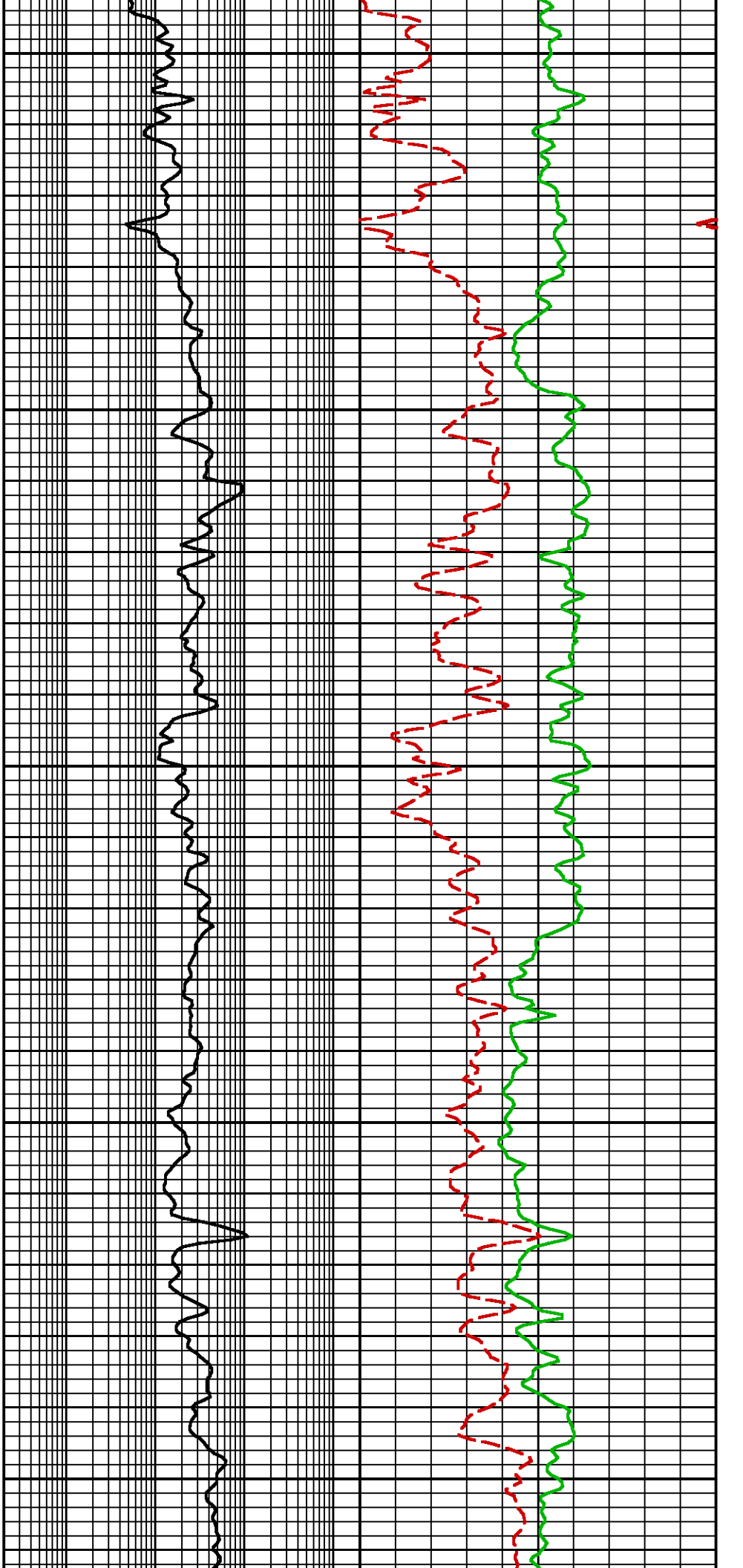
CURVE MEASURE POINT OFFSET

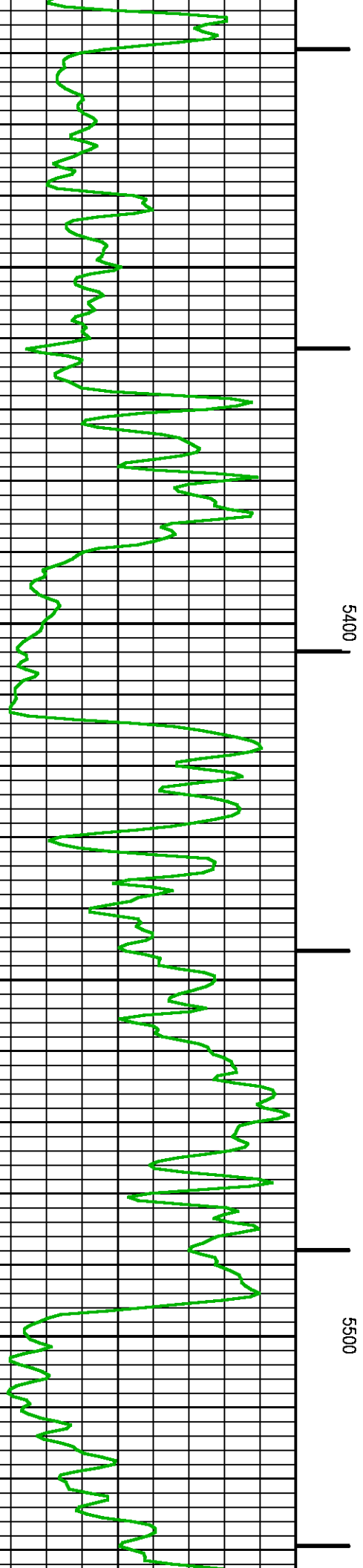
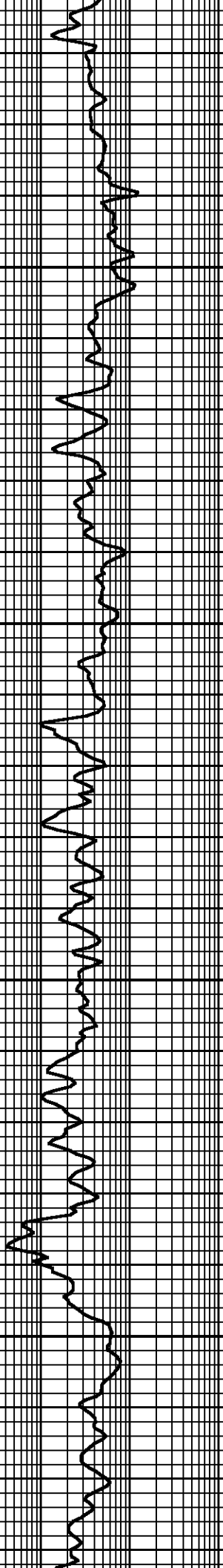
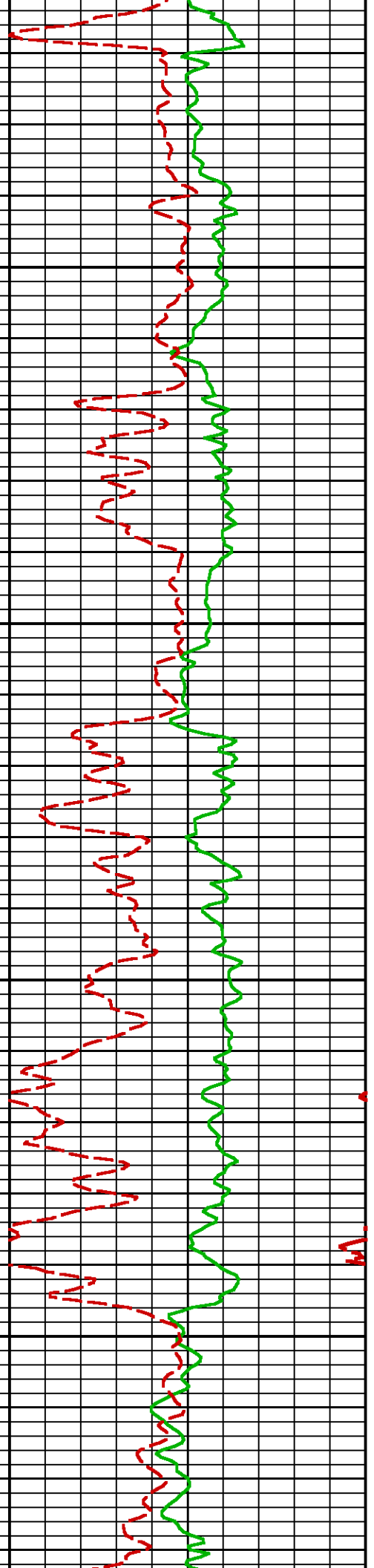
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	0.00	NNCNCF	0.00	NNZDEN	0.00		
GRNEO	0.00	NNM2R9	0.00				

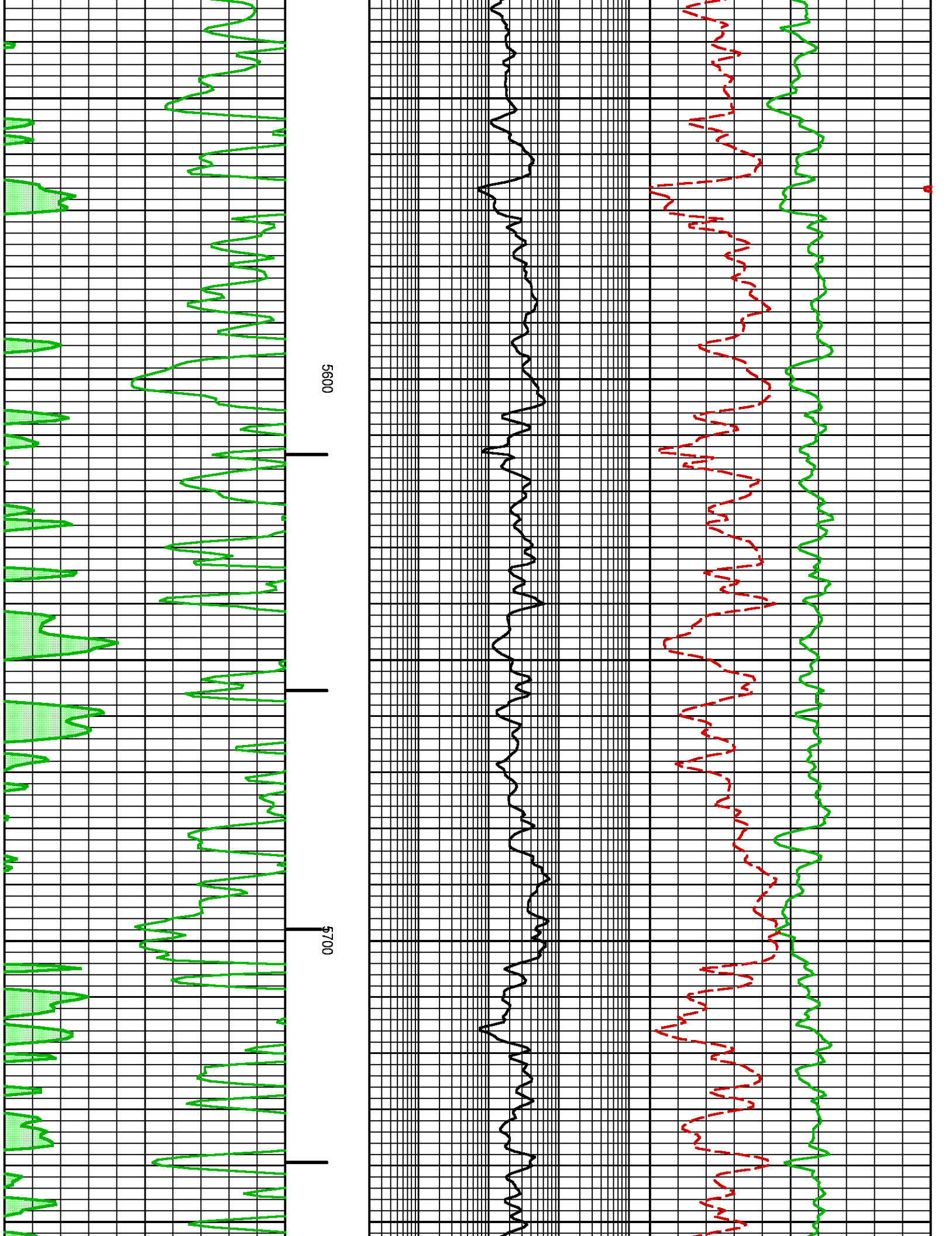
Project : NA
User : kamgseb
Presentation : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2813E\2NEO_PRESENTATION+PICEANCE_FEDERAL_28_13E_Merged_Set_Final.fvpdf [5"/100" Scale]
Plot Interval : 4964 - 8283 Feet

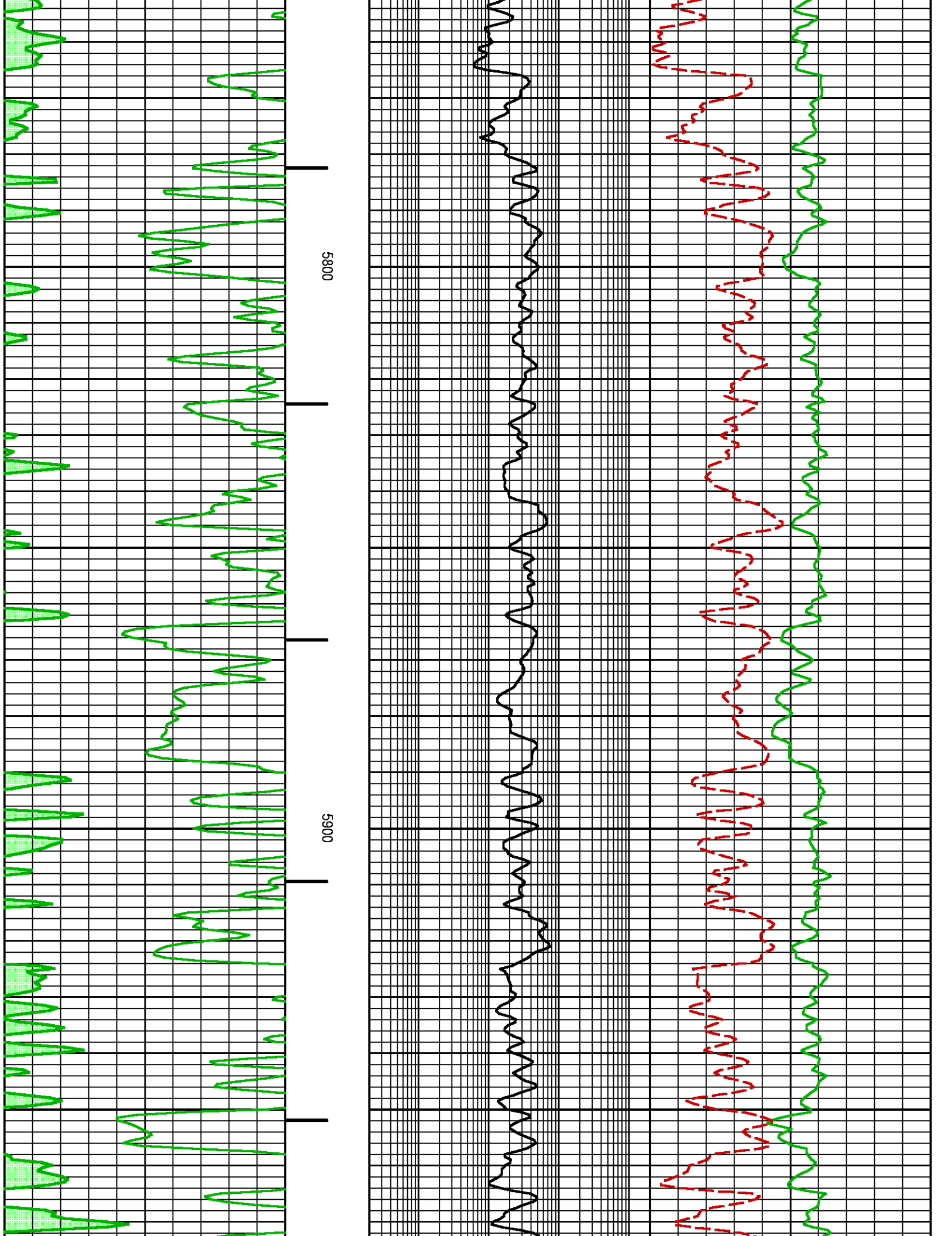
Data File 1 : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2813E\PICEANCE_FEDERAL_28_13E_Merged_Set_Final.xtf
Created On : Feb 9 12:53:00 2016
Company : LARAMIE ENERGY
Well : PICEANCE_FEDERAL_28_13E
Field : VEGA
File Interval : 2804 - 8289 Feet
OCT : NA

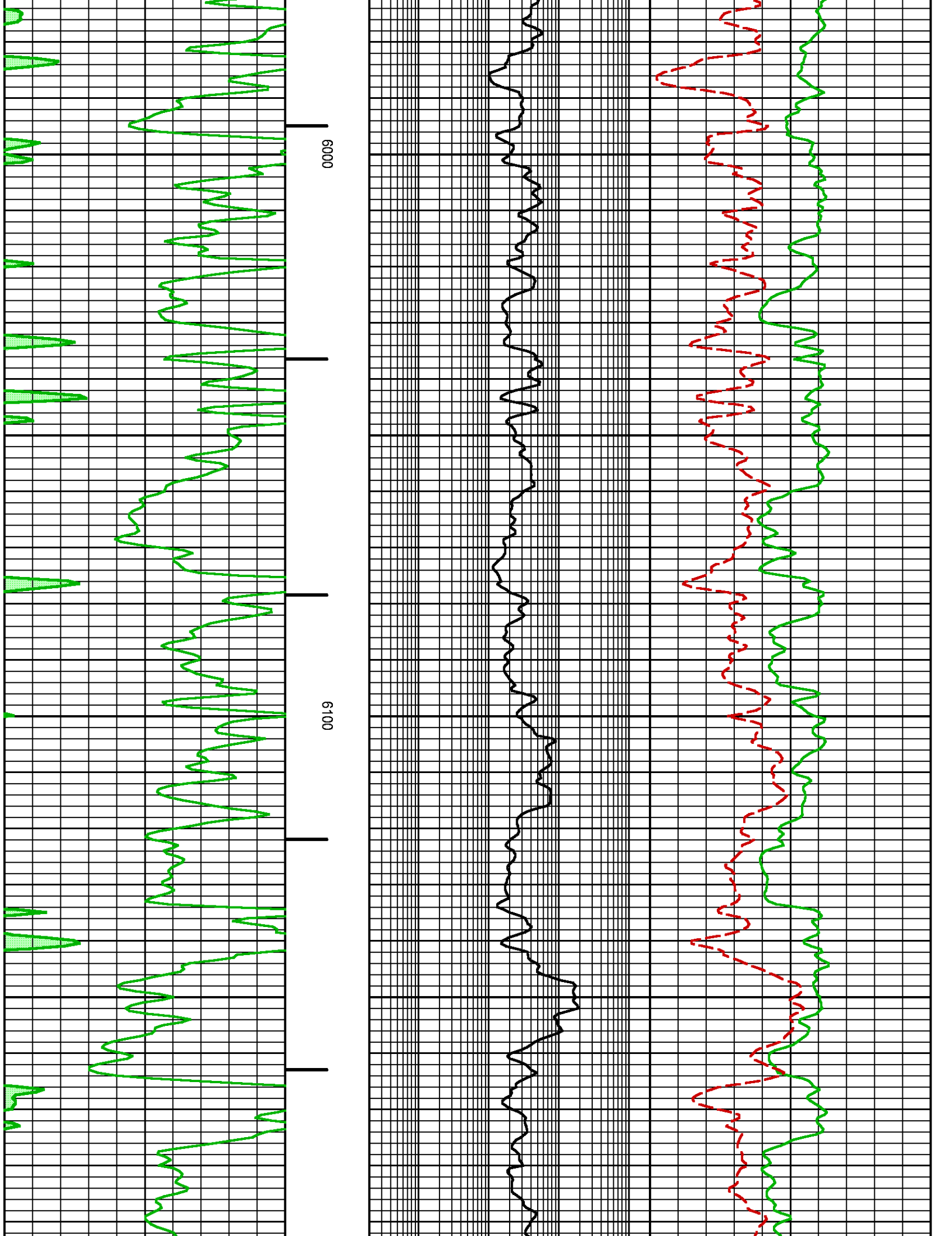


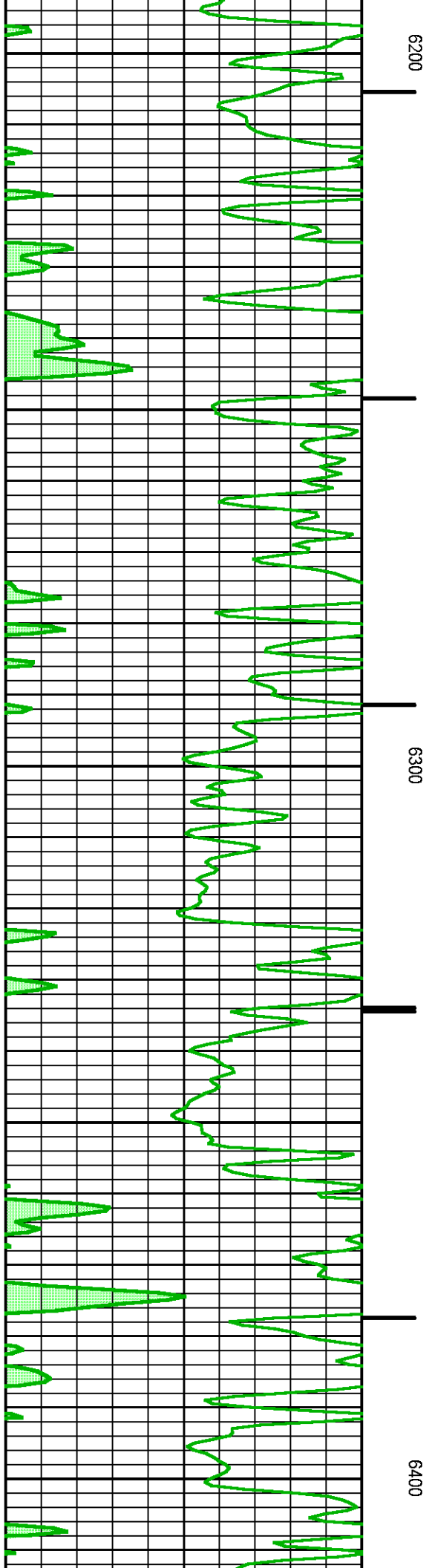
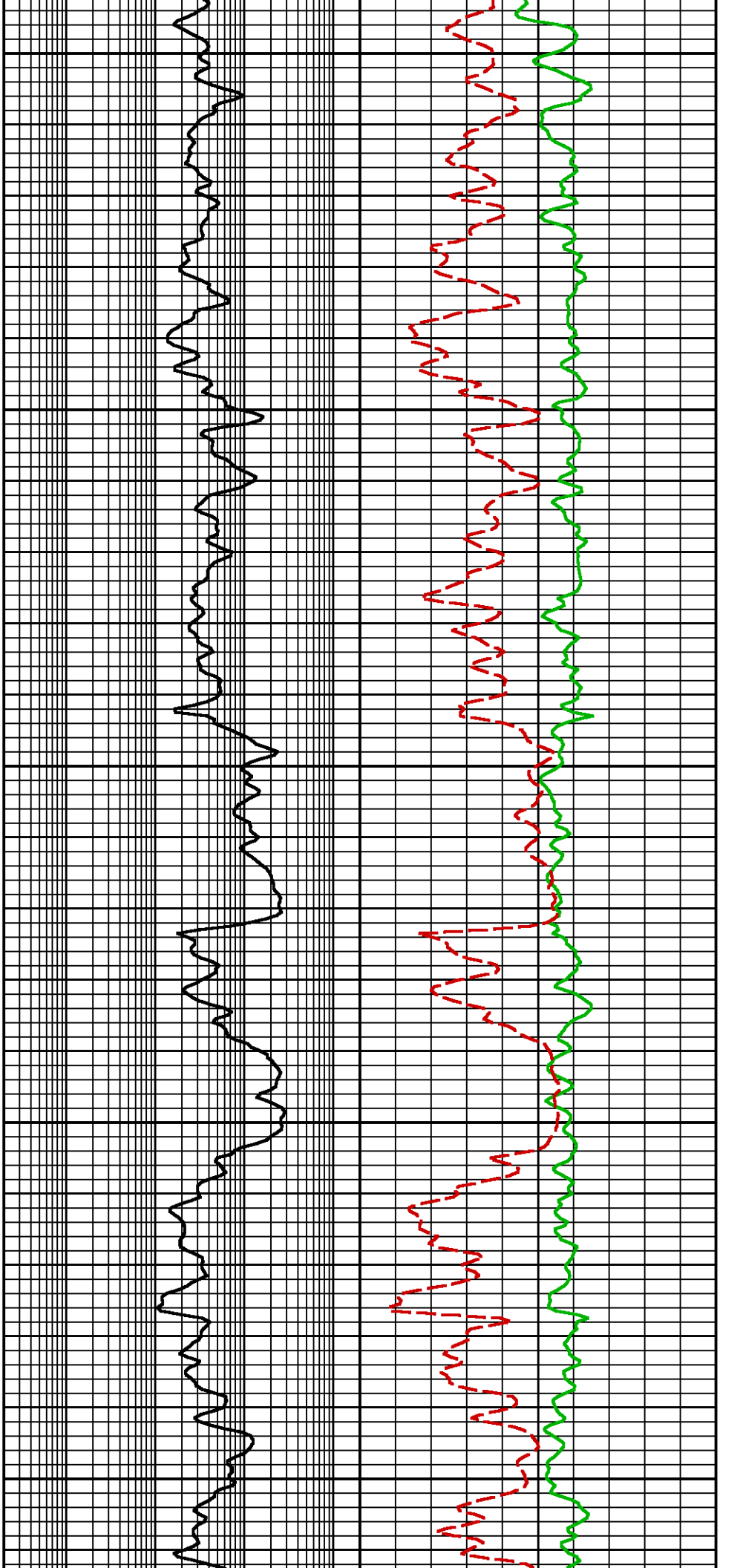


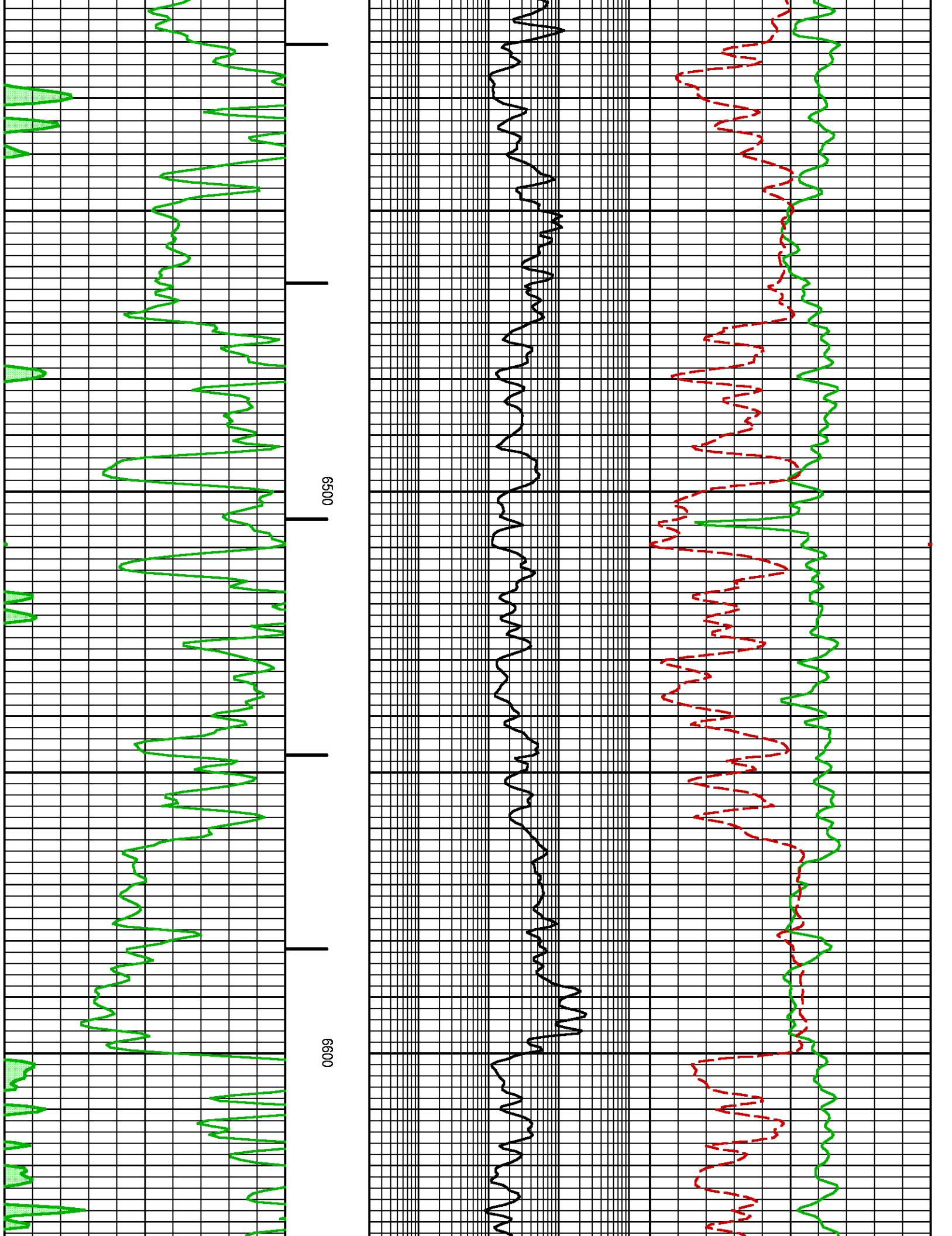


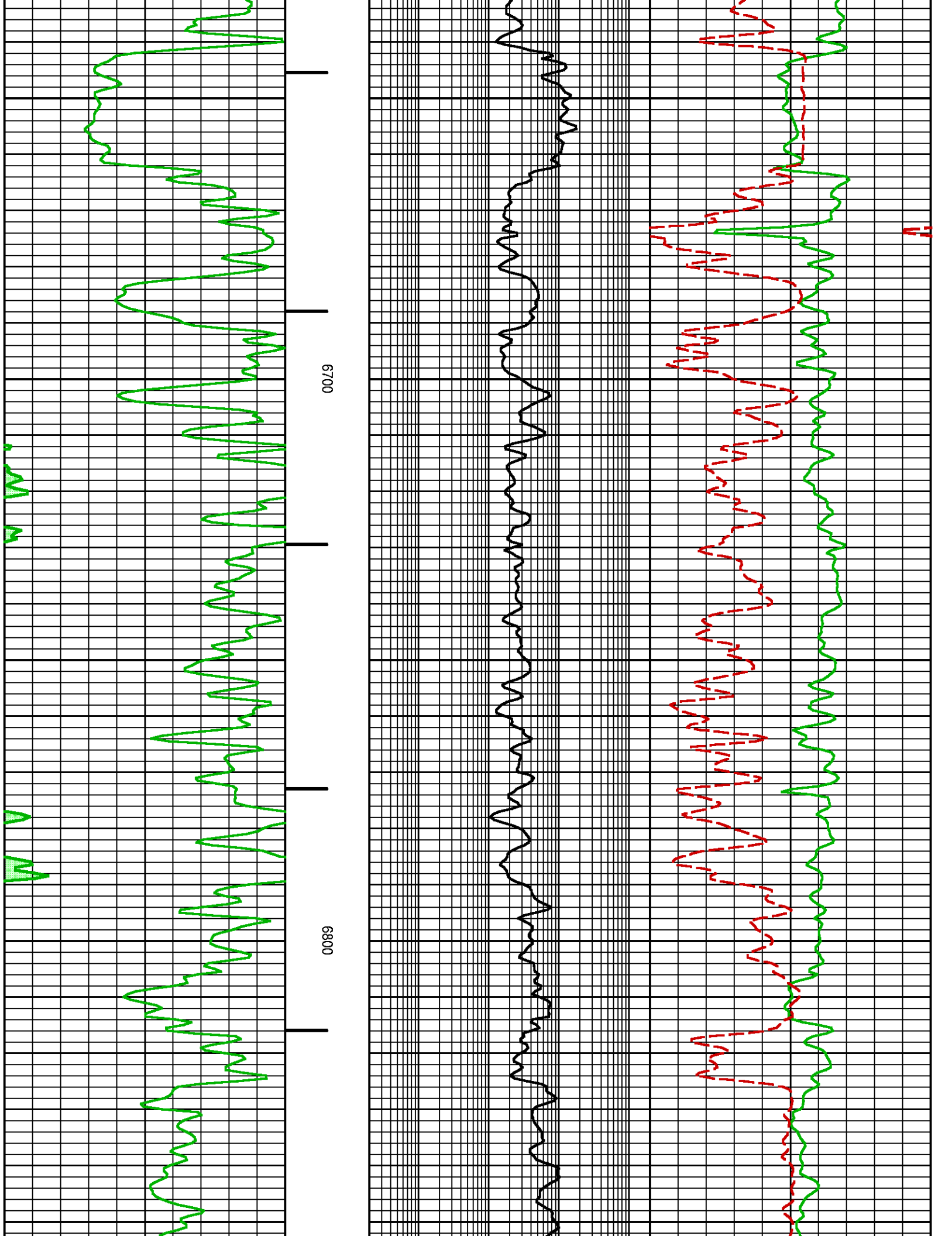


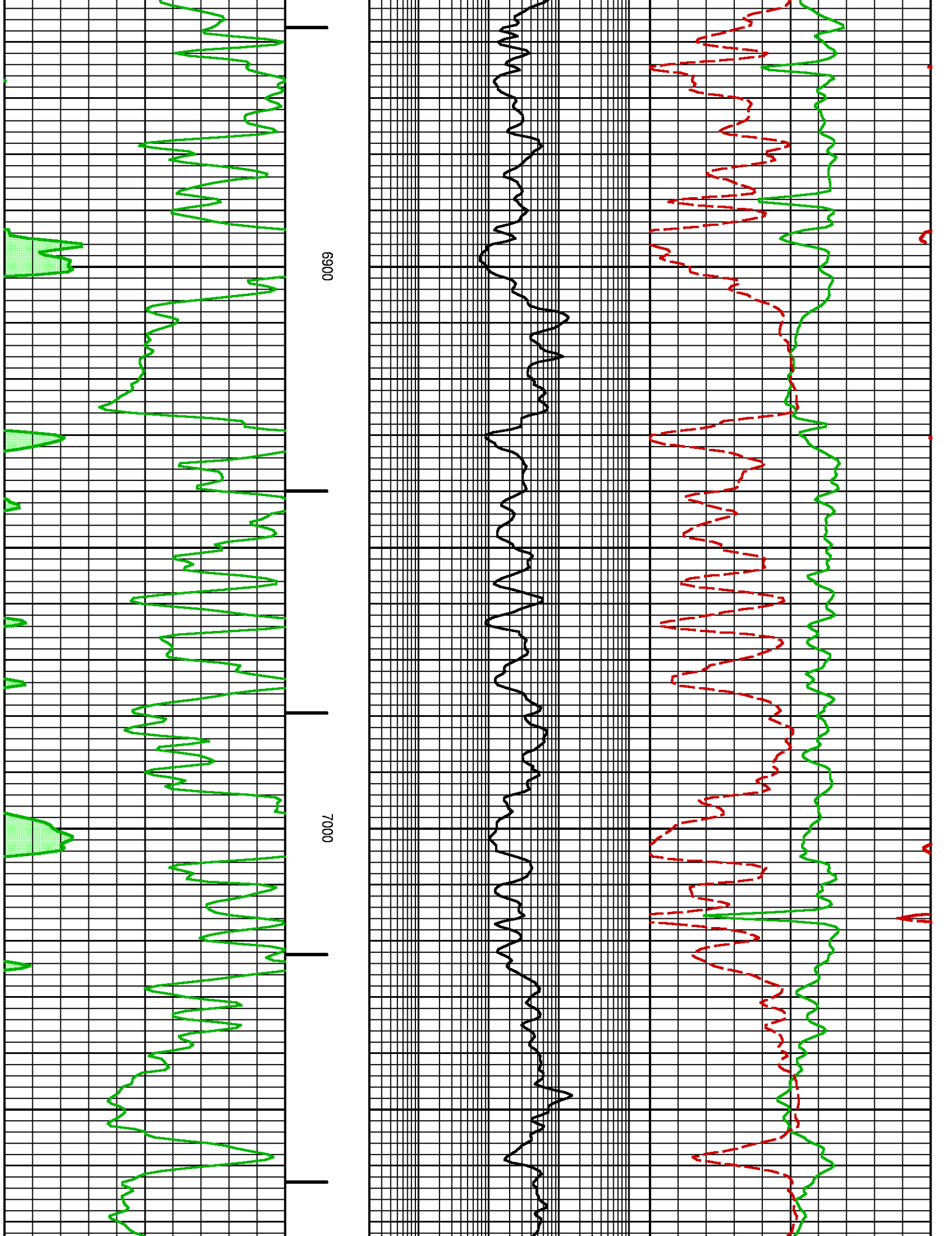


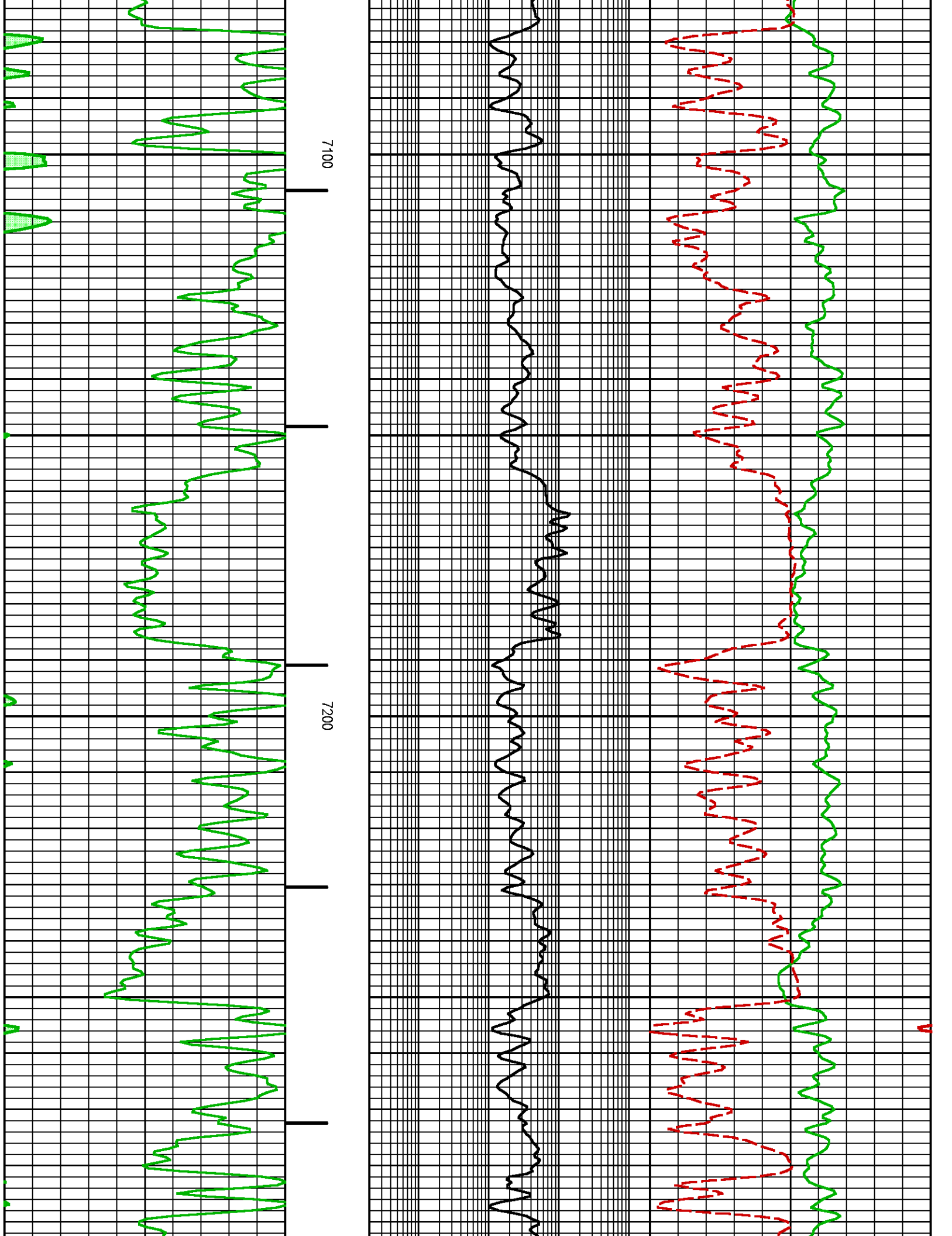


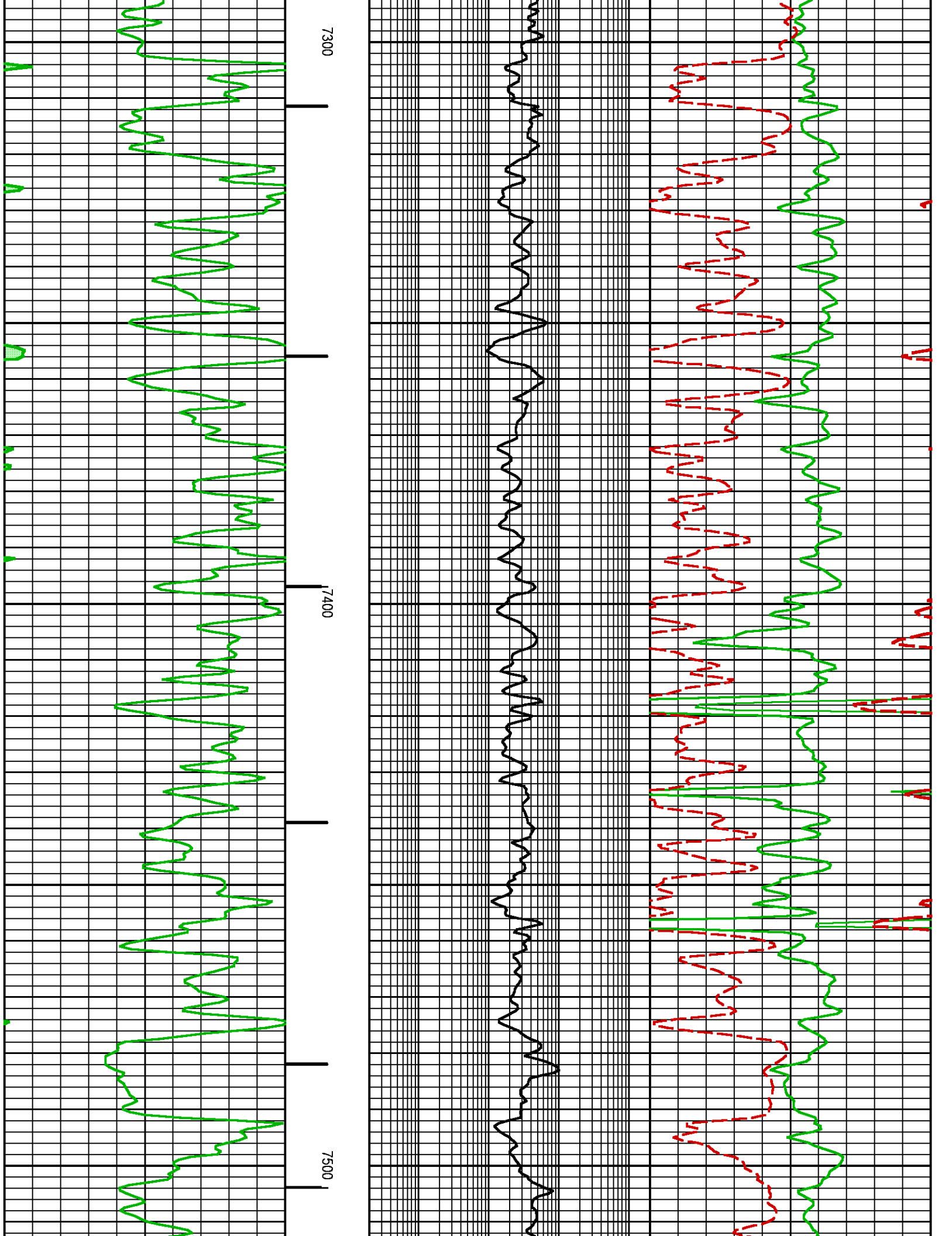


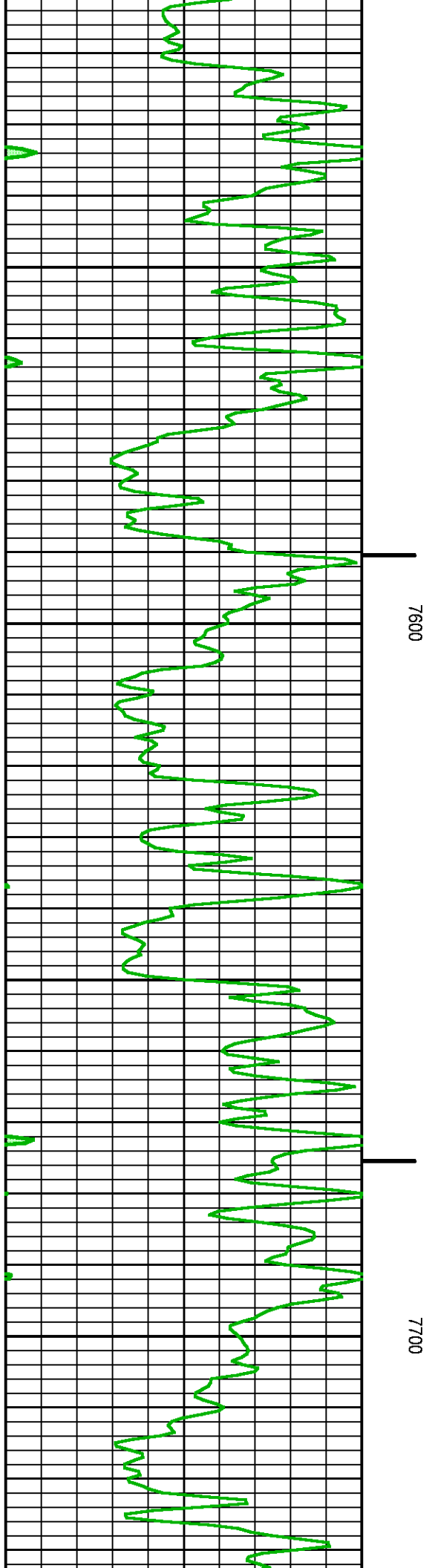
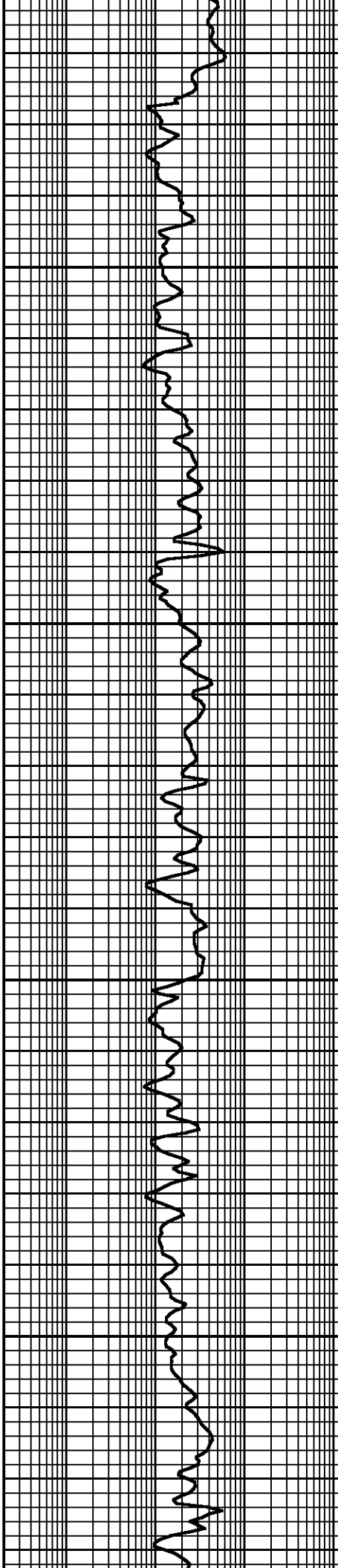
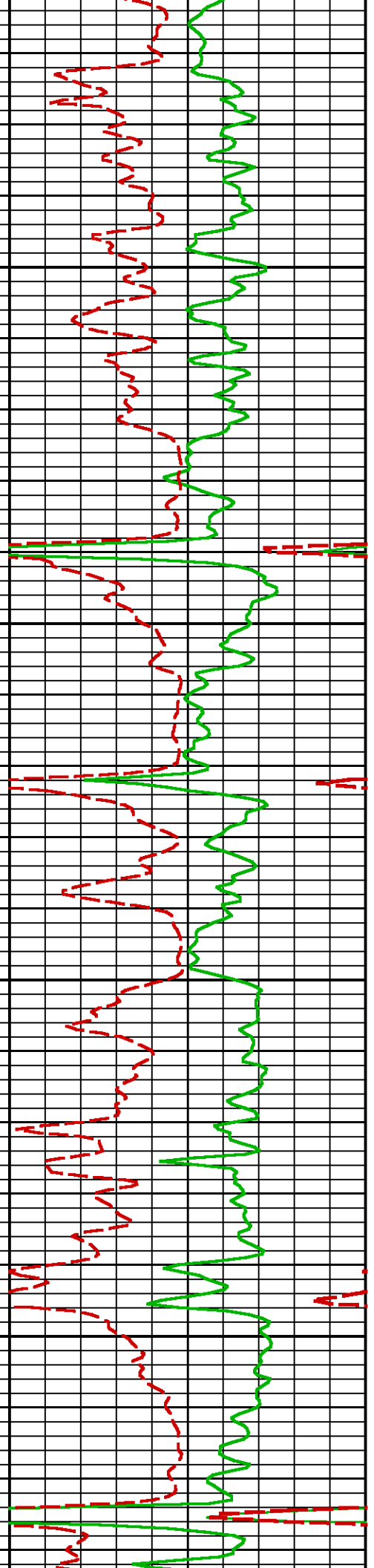


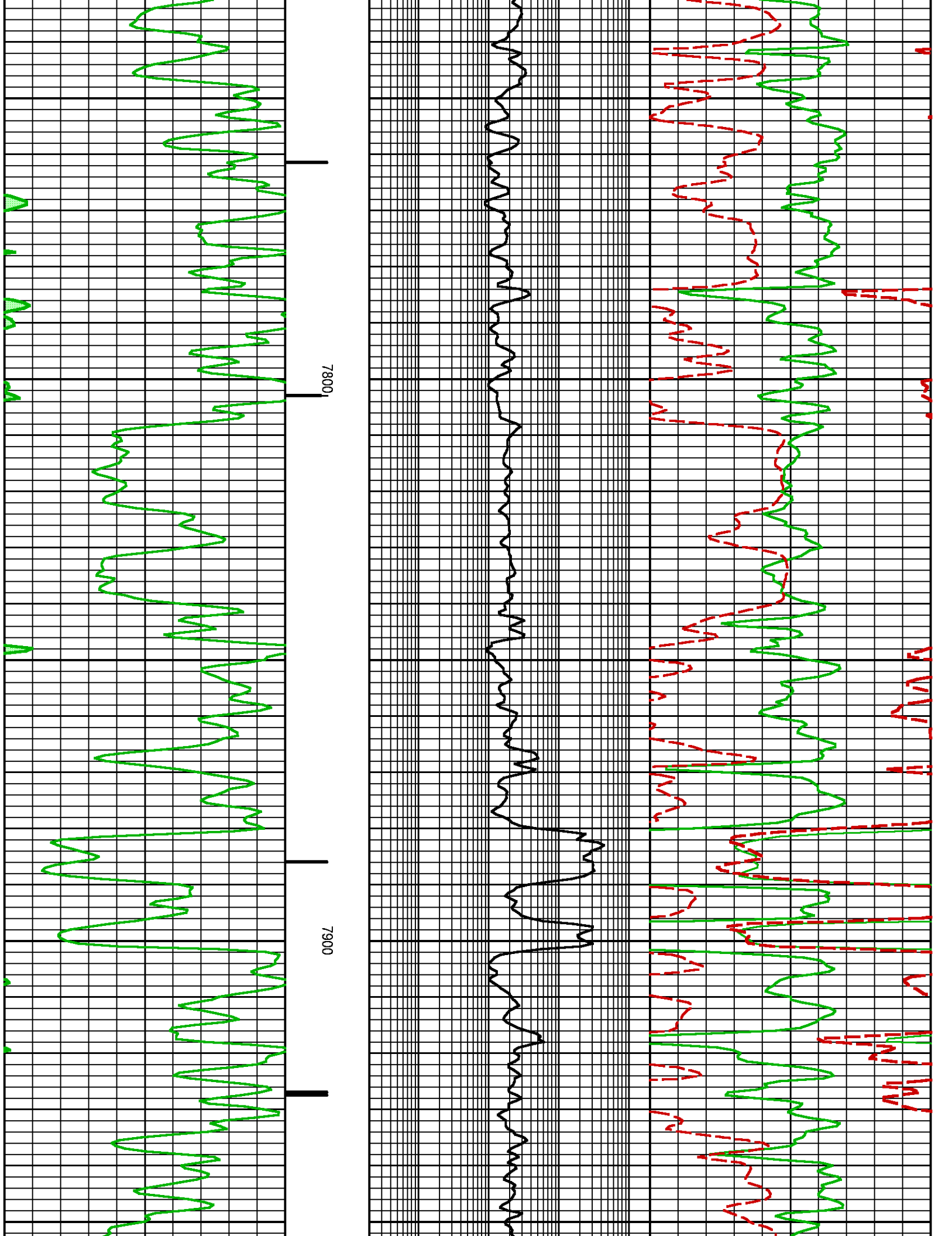


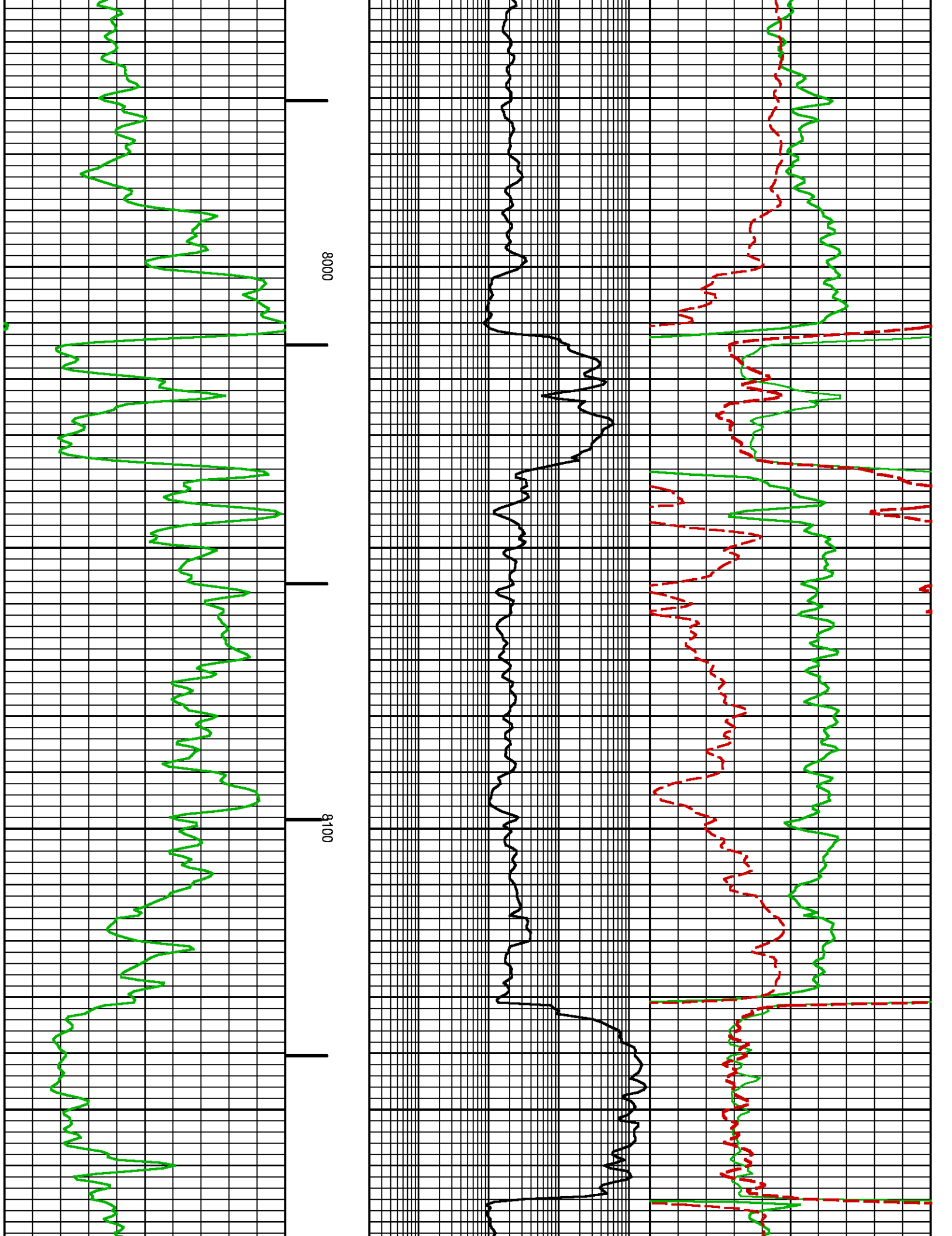


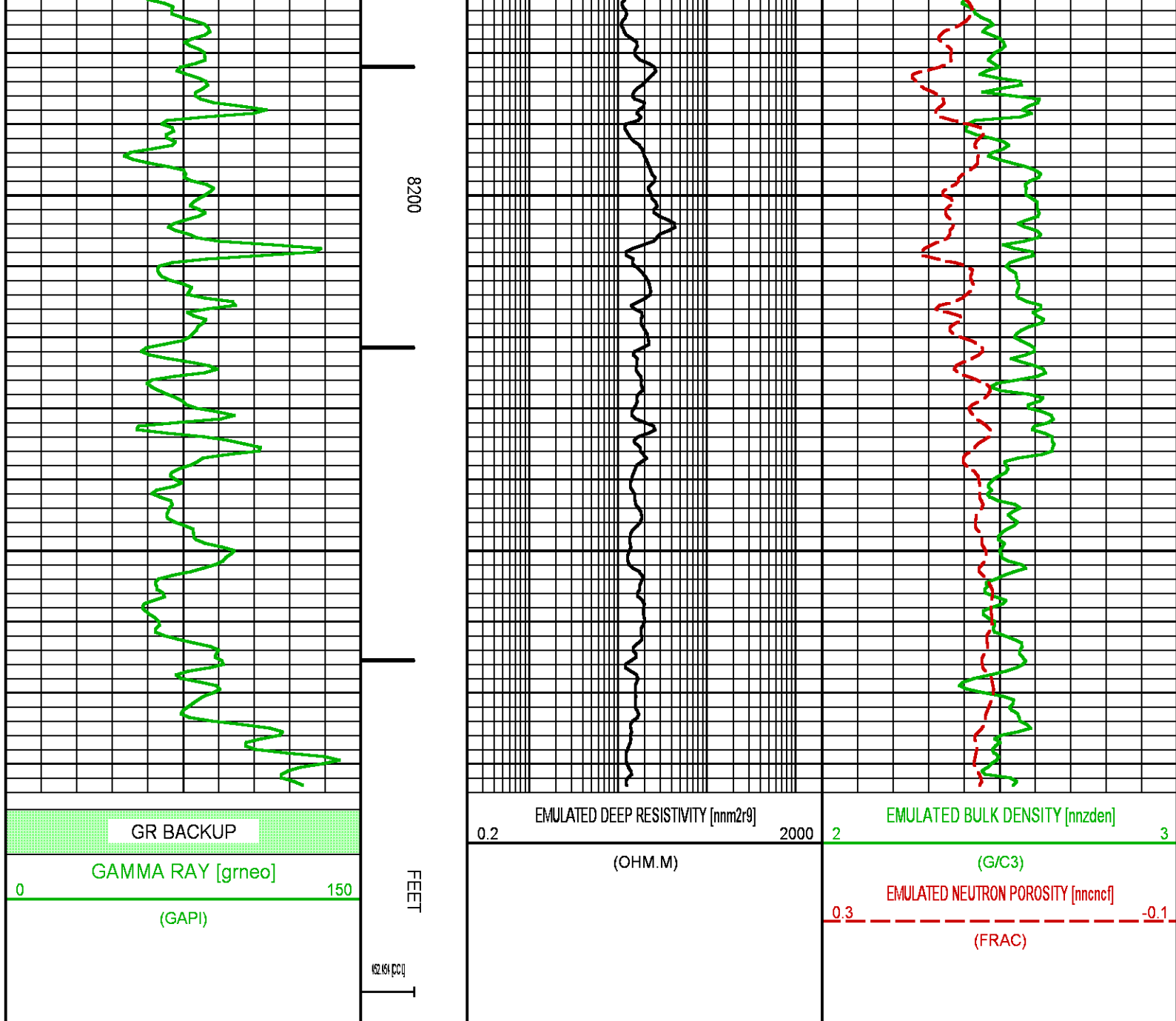



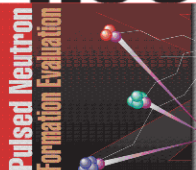










 BAKER HUGHES 	COMPANY <u>LARAMIE ENERGY</u> WELL <u>PICEANCE FEDERAL 28-13E</u> FIELD <u>VEGA</u> COUNTY <u>MESA</u> STATE <u>COLORADO</u>	FILE NO: <u>21028-01</u> API NO: <u>05077102490000</u>
	LOCATION: <u>SEE REMARKS SECTION</u>	ELEVATIONS: KB <u>7704 FT</u> DF GL <u>7682 FT</u>
	DATE <u>9-FEB-2016</u>	