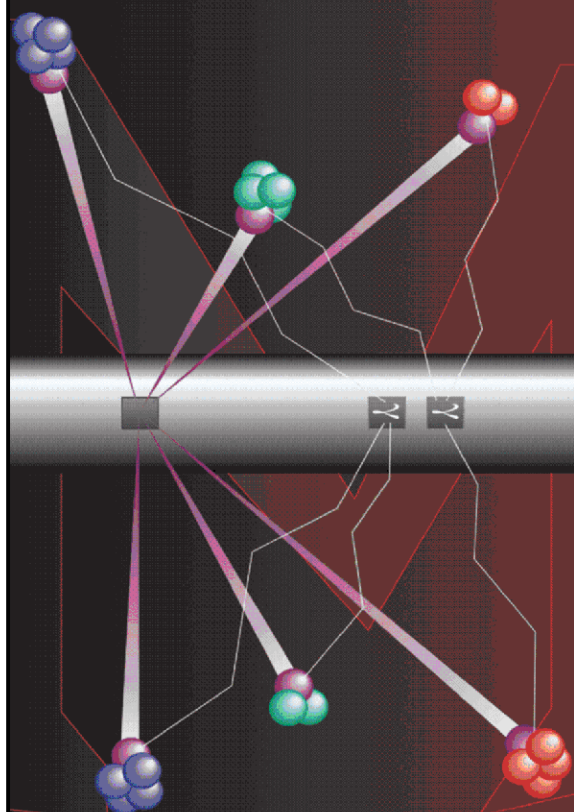




Pulsed Neutron Formation Evaluation



NEO Neutron Emulated Openhole

COMPANY LARAMIE ENERGY

WELL PICEANCE FEDERAL 28-02M

FIELD VEGA

COUNTY MESA STATE COLORADO

LOCATION:

SEE REMARKS SECTION

SEC 28 TWP 9S RGE 93W

ELEVATIONS:

KB 7578 FT DF GL 7556 FT

DATE 02-NOV-2015 ECC 21136-01

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>02-NOV-2015</u>
FIELD DATA	LOCATION: <u>GRAND JCT</u>		ENGINEER: <u>NEWELL / US100239</u>	DATE: <u>22-OCT-2015</u>
FROM	TO			
<u>2712 FT</u>	<u>3322 FT</u>			
<u>5058 FT</u>	<u>8118 FT</u>			

REMARKS

LOCATION:
SHL: LAT 39.251061; LONG -107.779508
BHL: LAT 39.254282; LONG -107.774519

TRAINING WELL: PICEANCE 28-09W

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 28-02M (G-SAND)

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

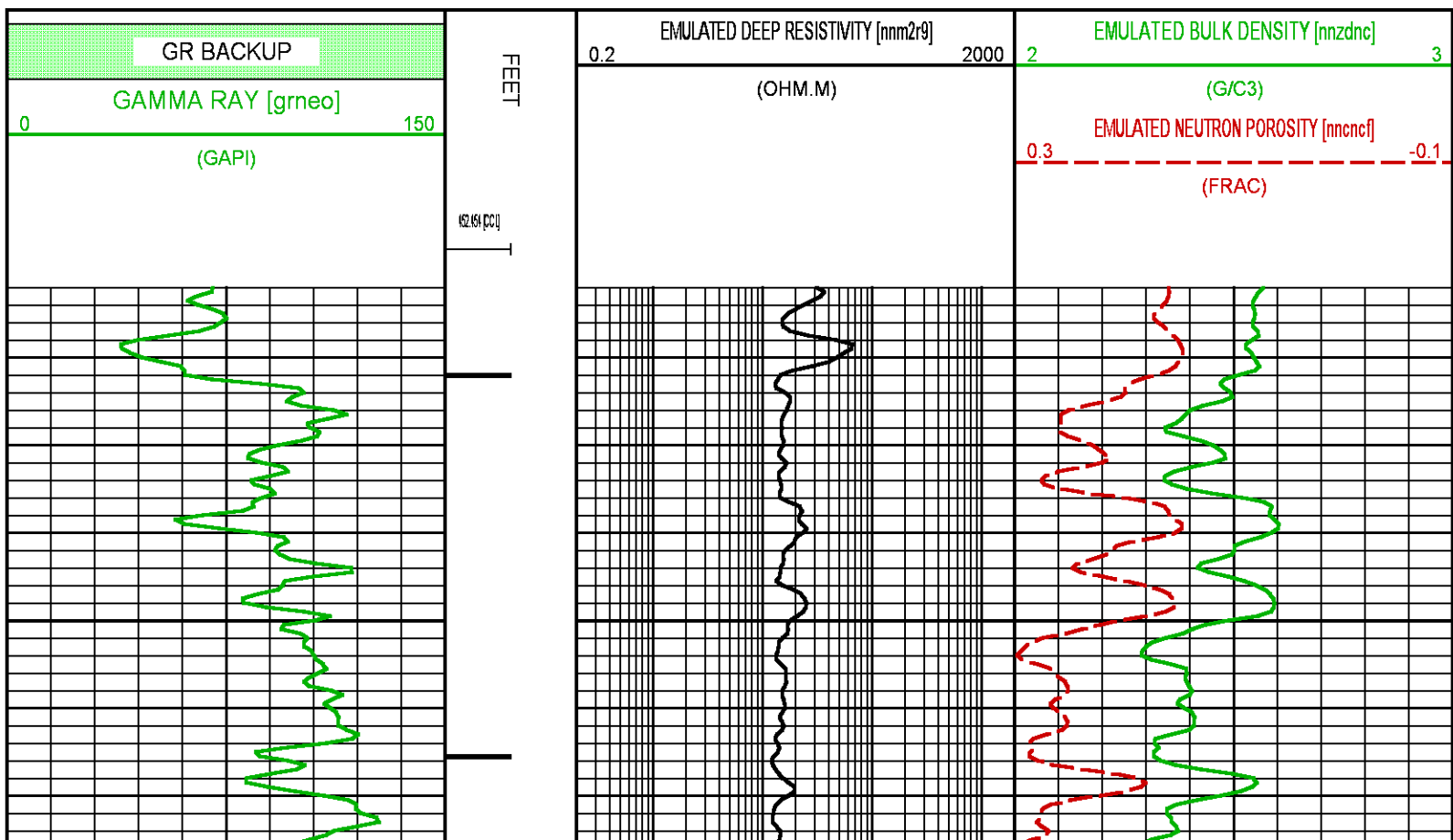
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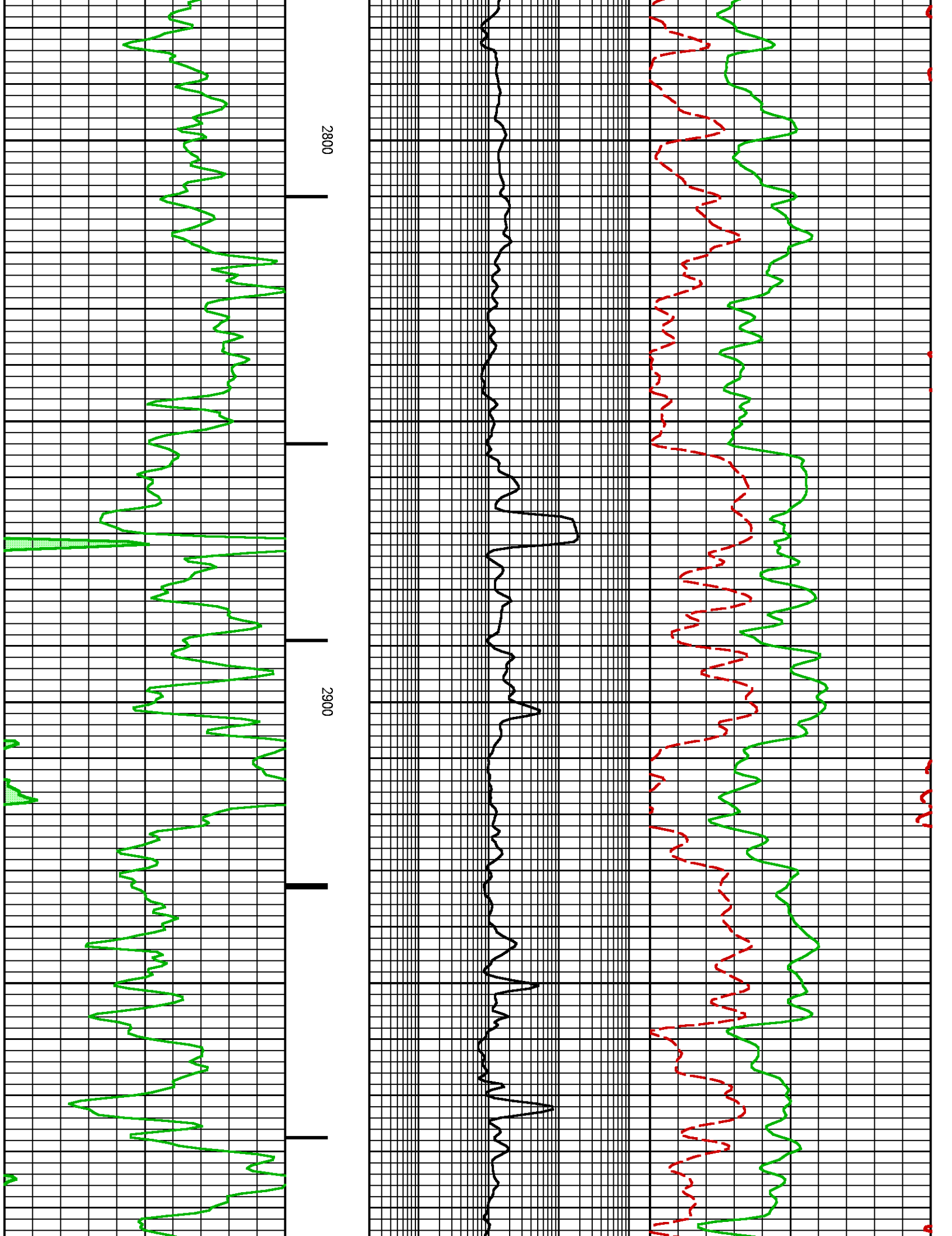
CURVE MEASURE POINT OFFSET

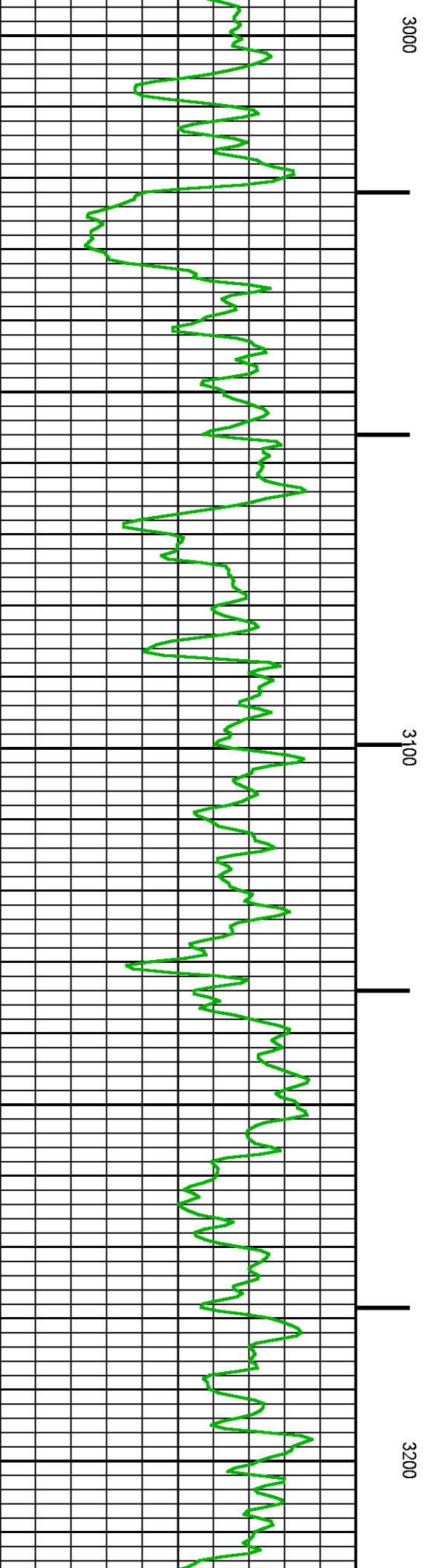
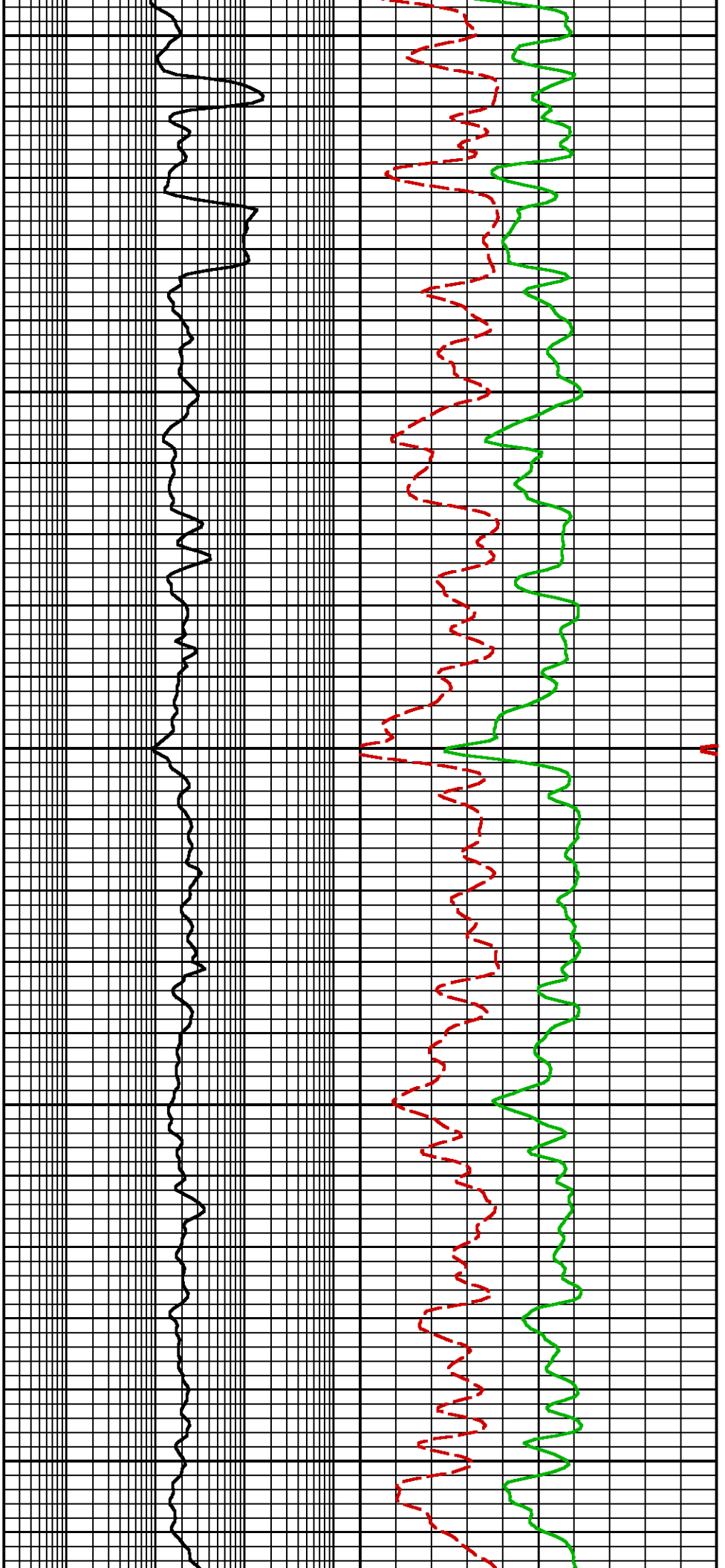
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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GRNEO	0.00	NNM2R9	0.00				

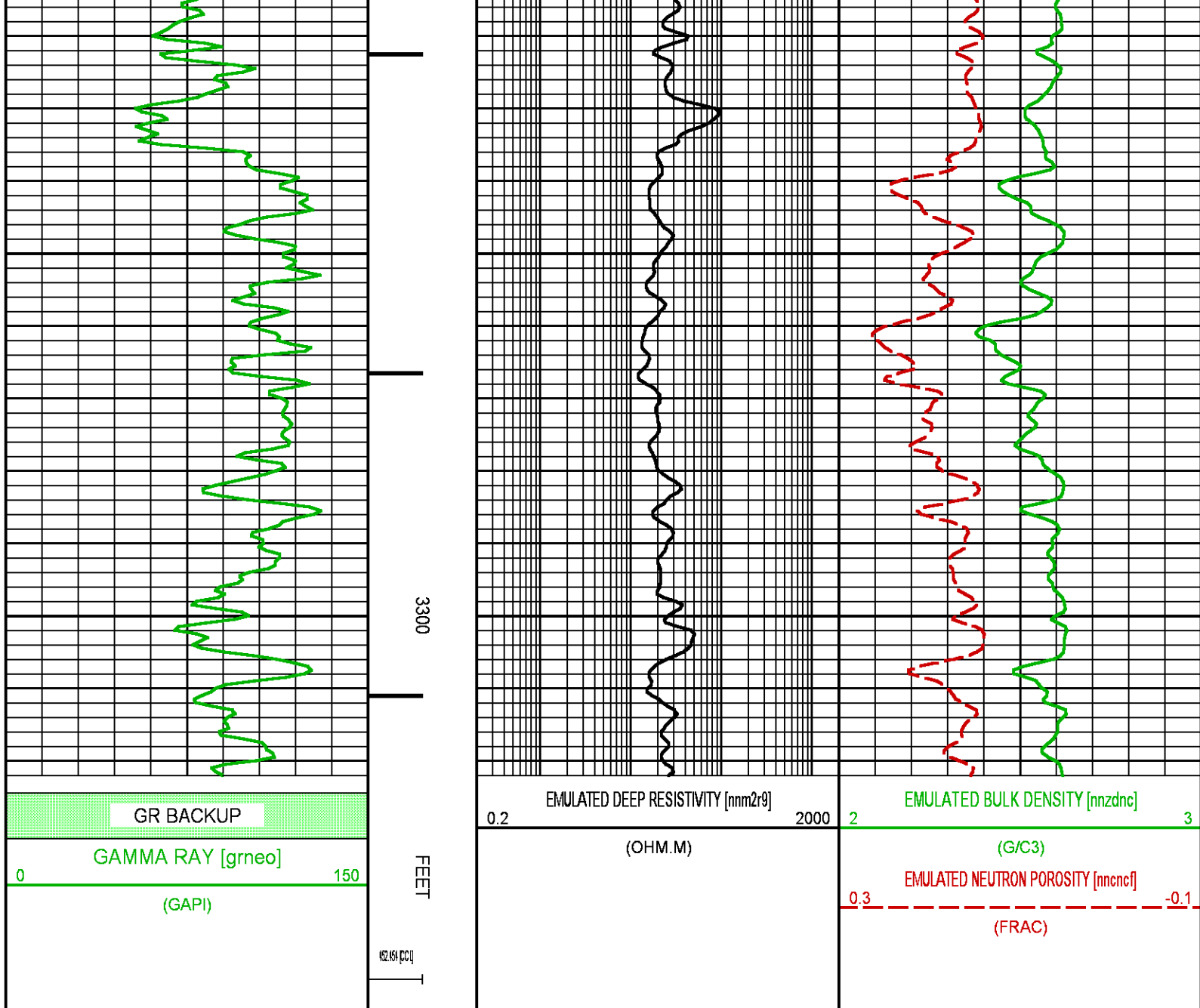
Project : NA
User : kamgseb
Presentation : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2802M\
 1NEO_PRESENTATION+PICEANCE FEDERAL 28-02M_Merged_Set_Final.fvpdf [5"/100' Scale]
Plot Interval : 2712 - 3322 Feet

Data File 1 : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2802M\
 PICEANCE FEDERAL 28-02M_Merged_Set_Final.xtf
Created On : Nov 2 11:51:26 2015
Company : LARAMIE ENERGY
Well : PICEANCE FEDERAL 28-02M
Field : VEGA
File Interval : 2712 - 8118 Feet
OCT : NA









NEO RESULTS FOR PICEANCE FEDERAL 28-02M (MAIN)

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

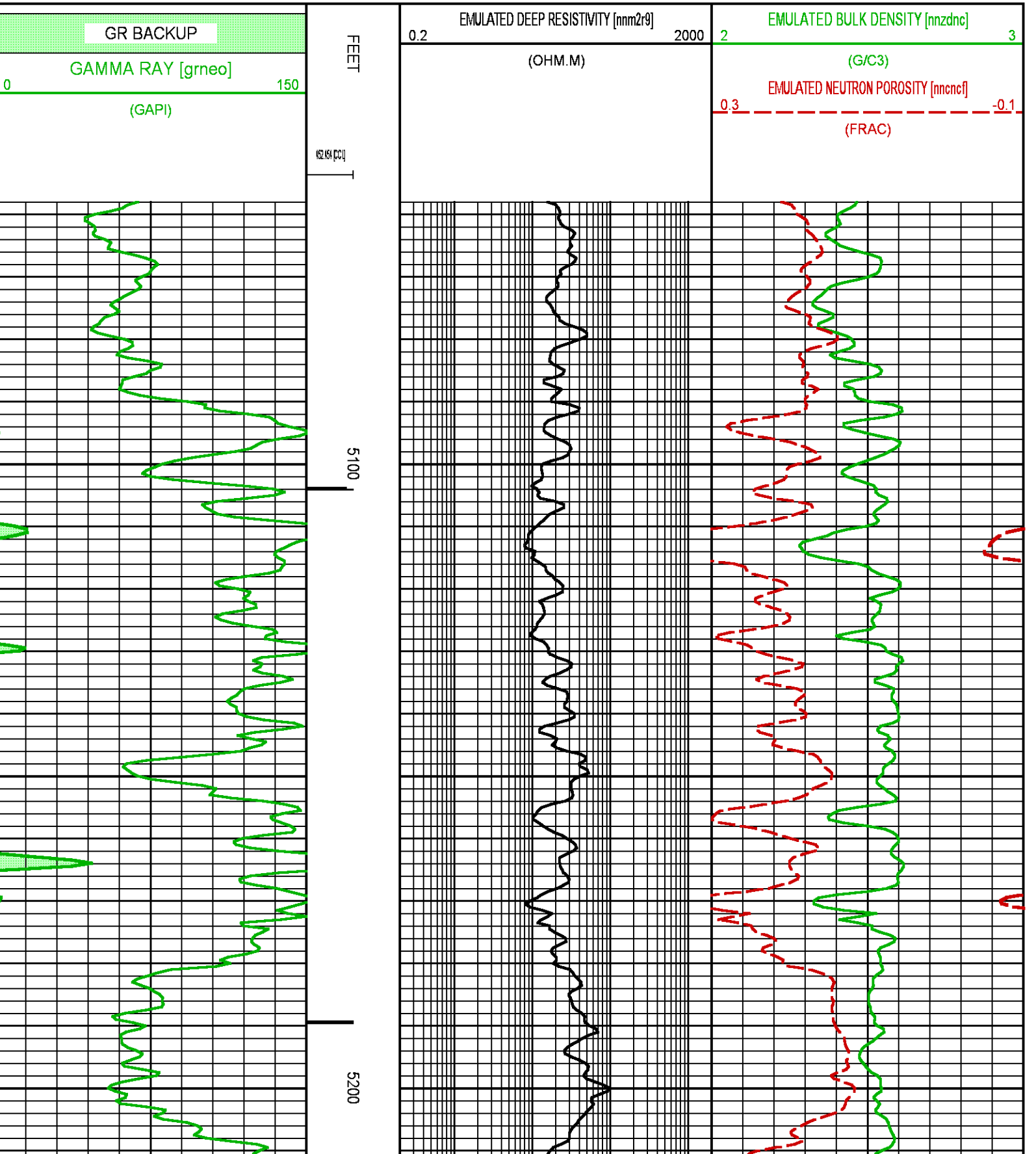
Plotted: Mon Nov 02 12:13:16 2015

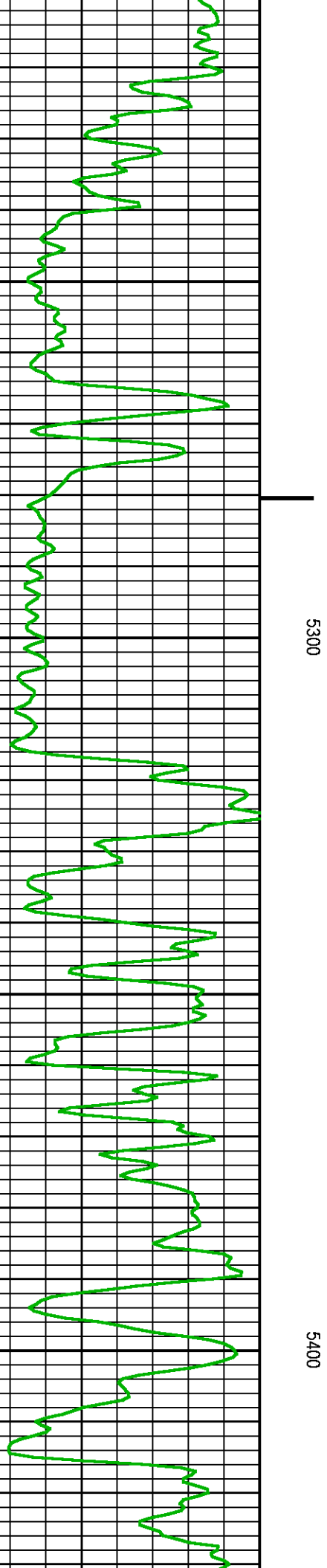
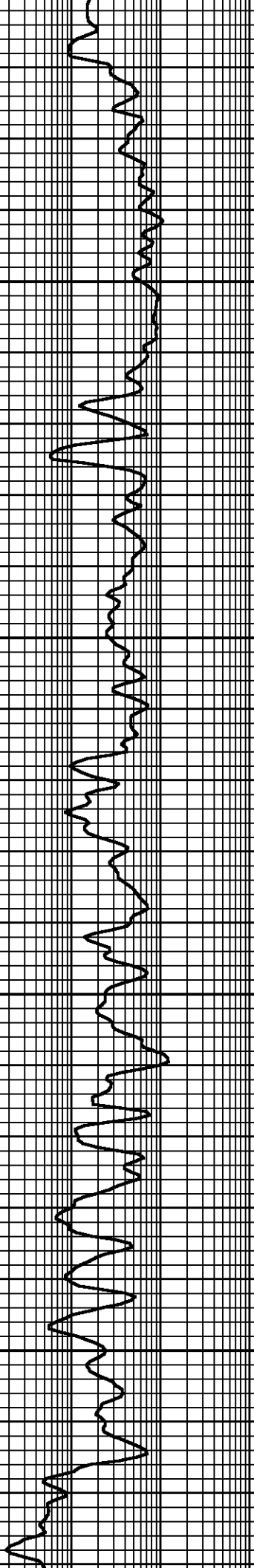
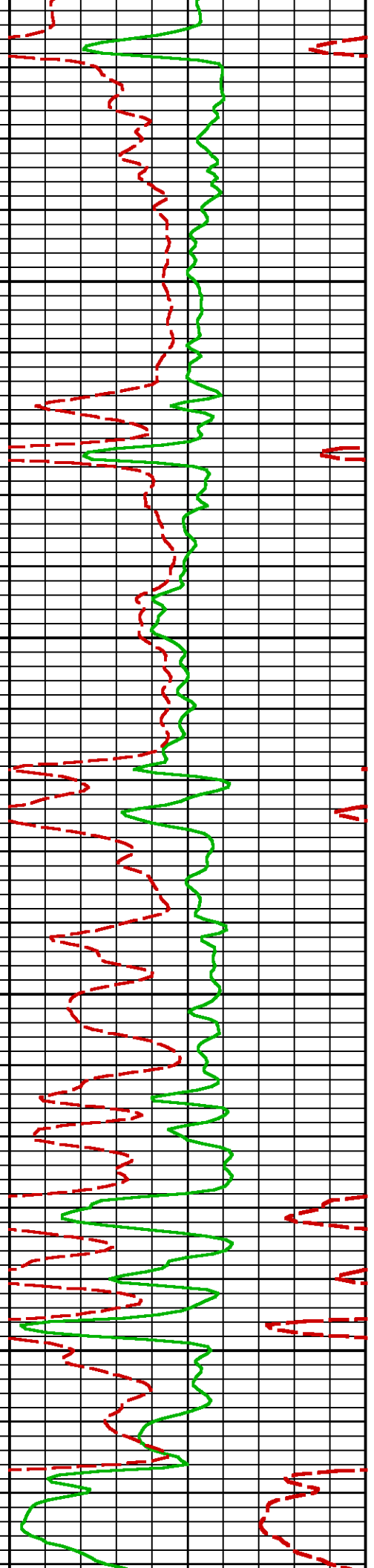
CURVE MEASURE POINT OFFSET

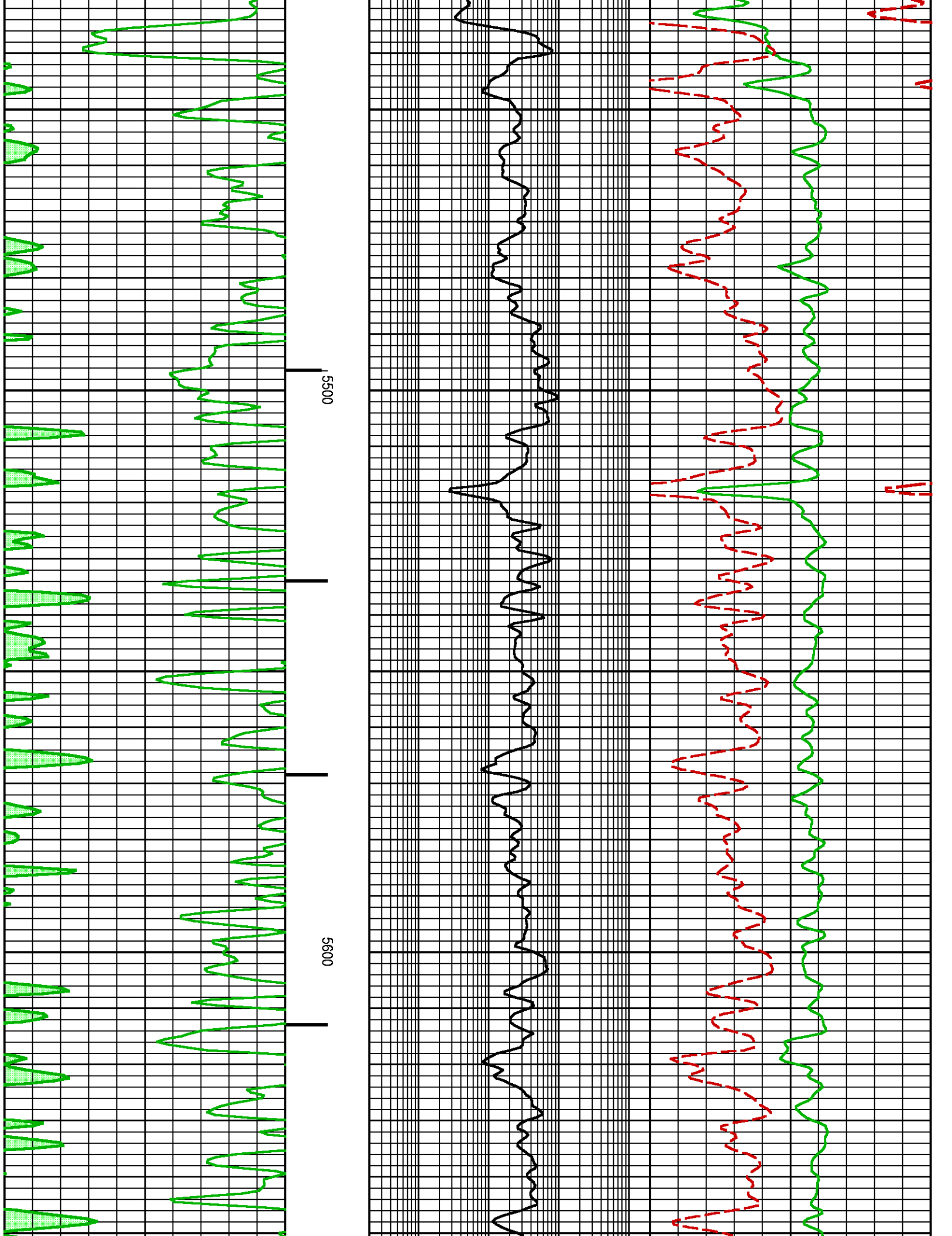
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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GRNEO	0.00	NNM2R9	0.00				

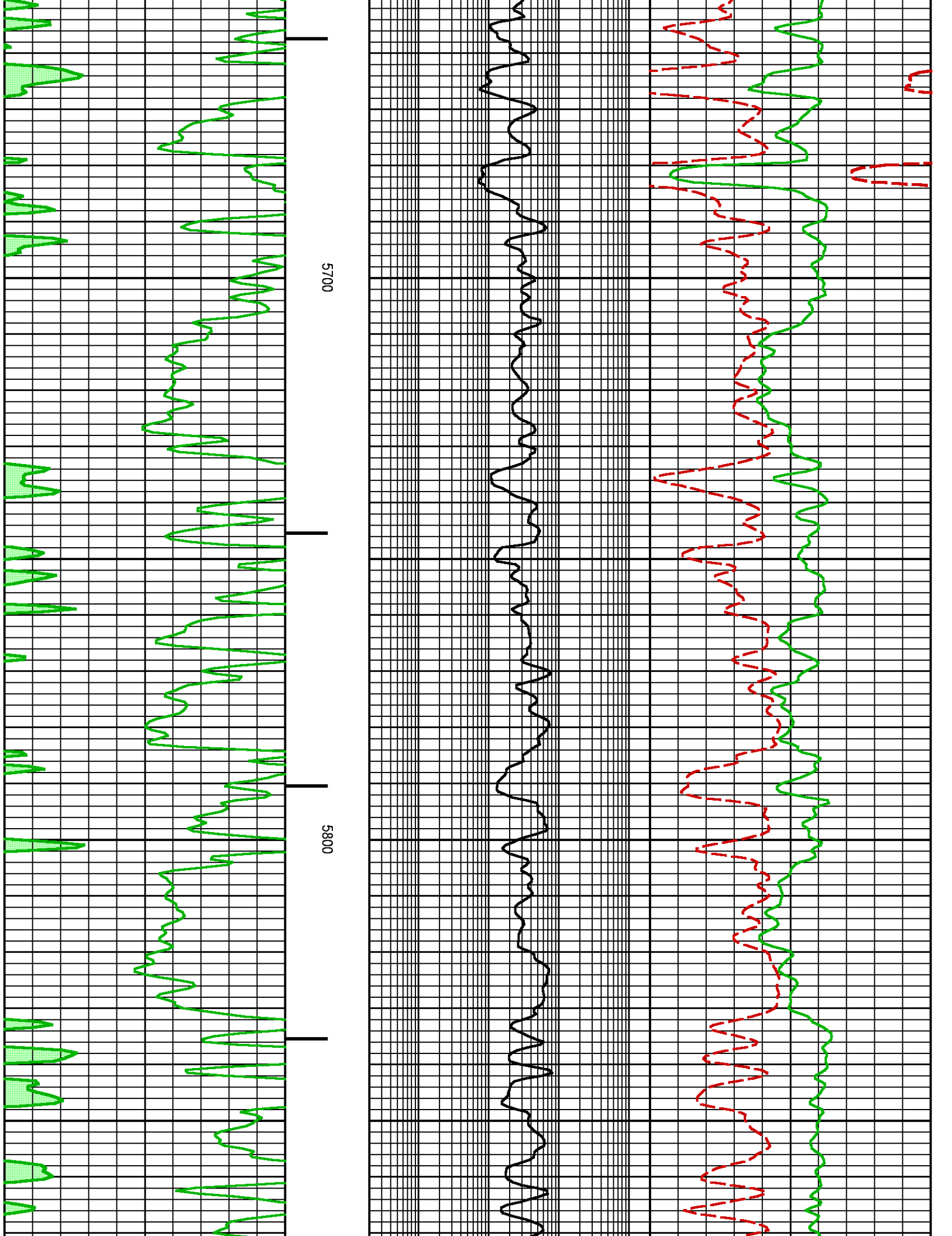
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 User : kamgseb
 Presentation : BH18760YV1-E:\Projects\Processing\NEO\aramia\Piceance\Federal\2802M\

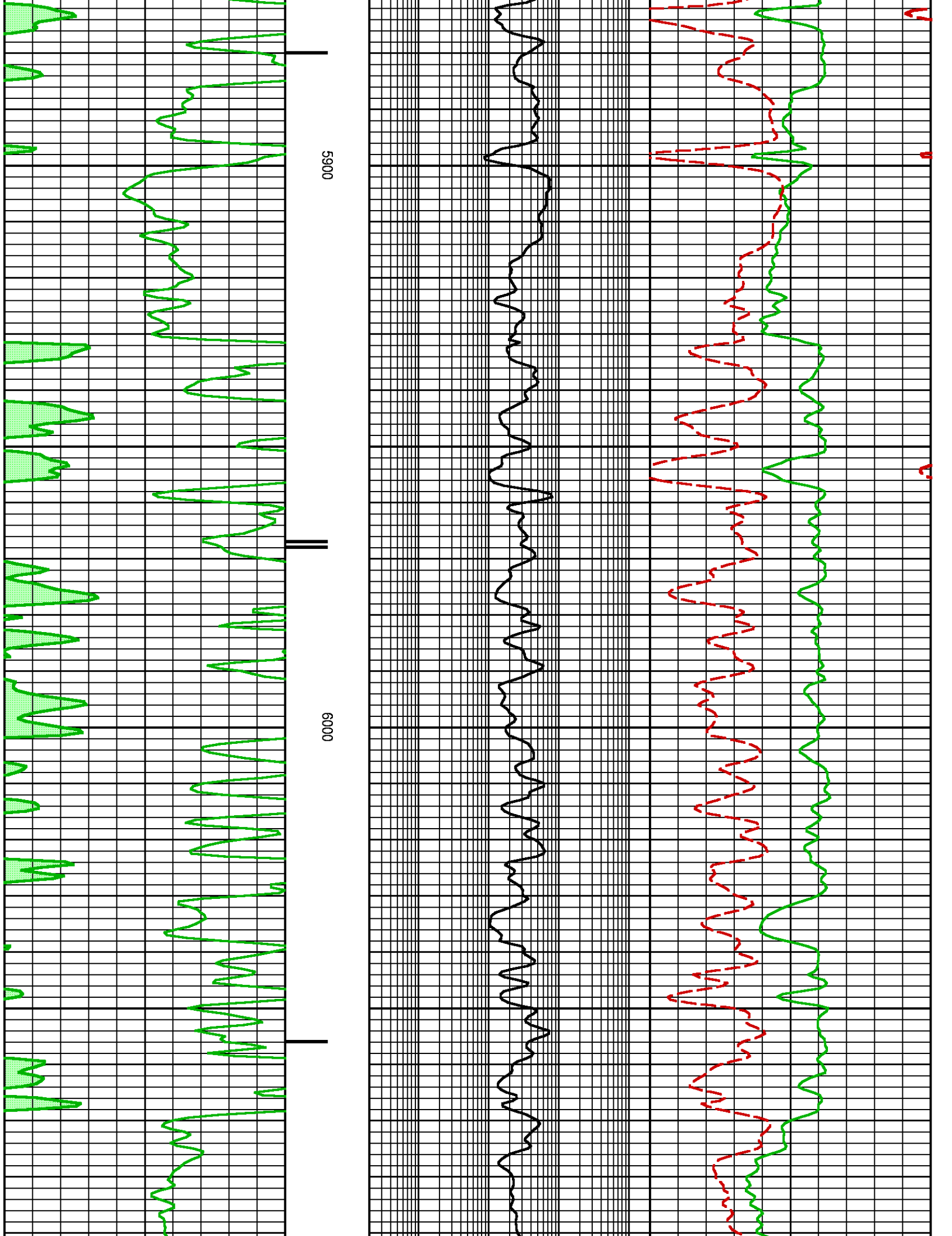
Presentation : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2802M\2NEO_PRESENTATION+PICEANCE FEDERAL 28-02M_Merged_Set_Final.fvpdf [5"/100' Scale]
Plot Interval : 5058 - 8118 Feet
Data File 1 : F1 : BHIBZG9YY1:E:\Projects\Processing\NEO\LaramiePiceanceFederal2802M\2NEO_PRESENTATION+PICEANCE FEDERAL 28-02M_Merged_Set_Final.txtf
Created On : Nov 2 11:51:26 2015
Company : LARAMIE ENERGY
Well : PICEANCE FEDERAL 28-02M
Field : VEGA
File Interval : 2712 - 8118 Feet
OCT : NA

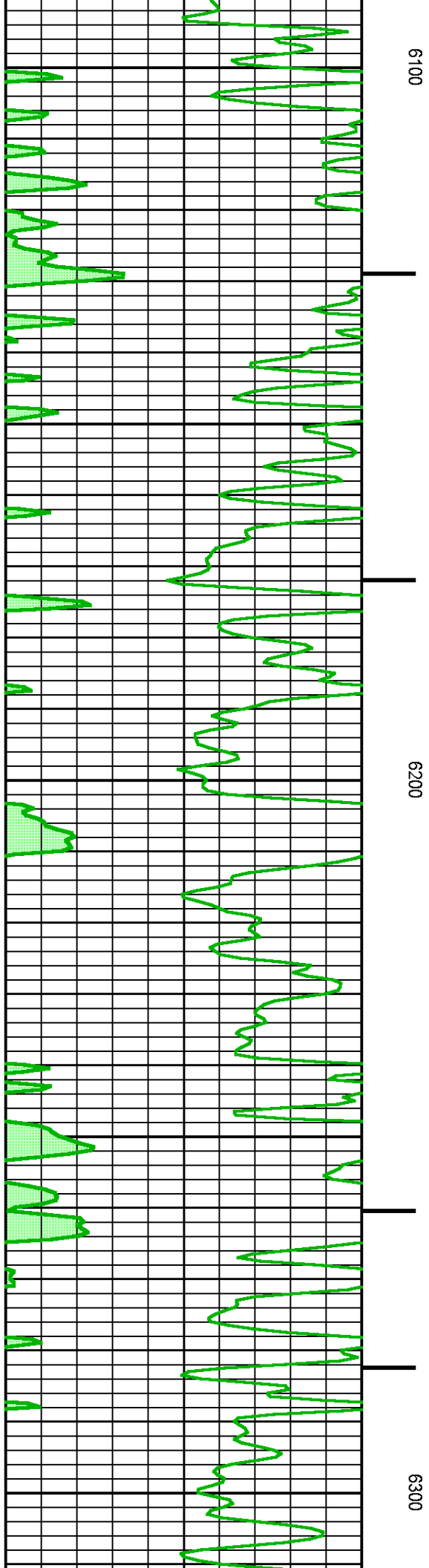
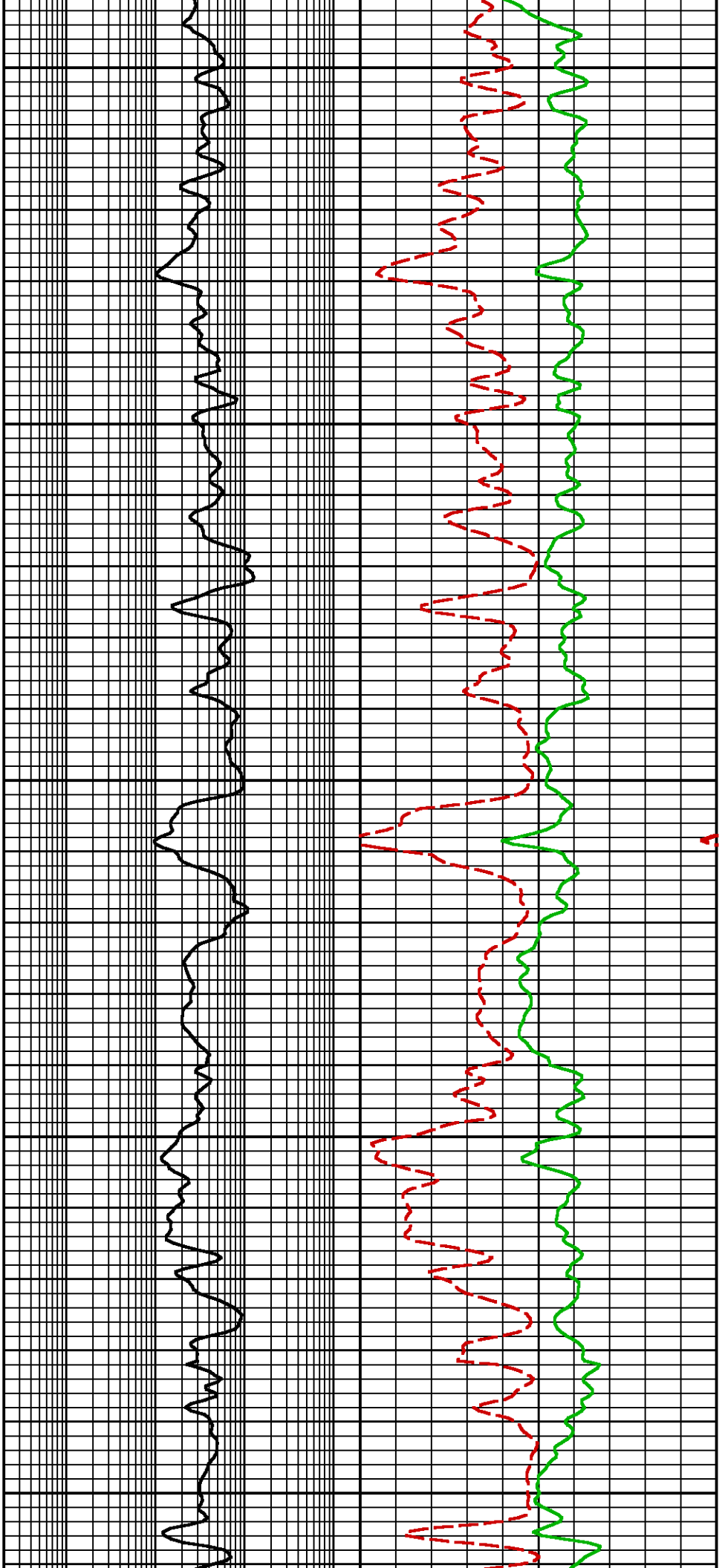


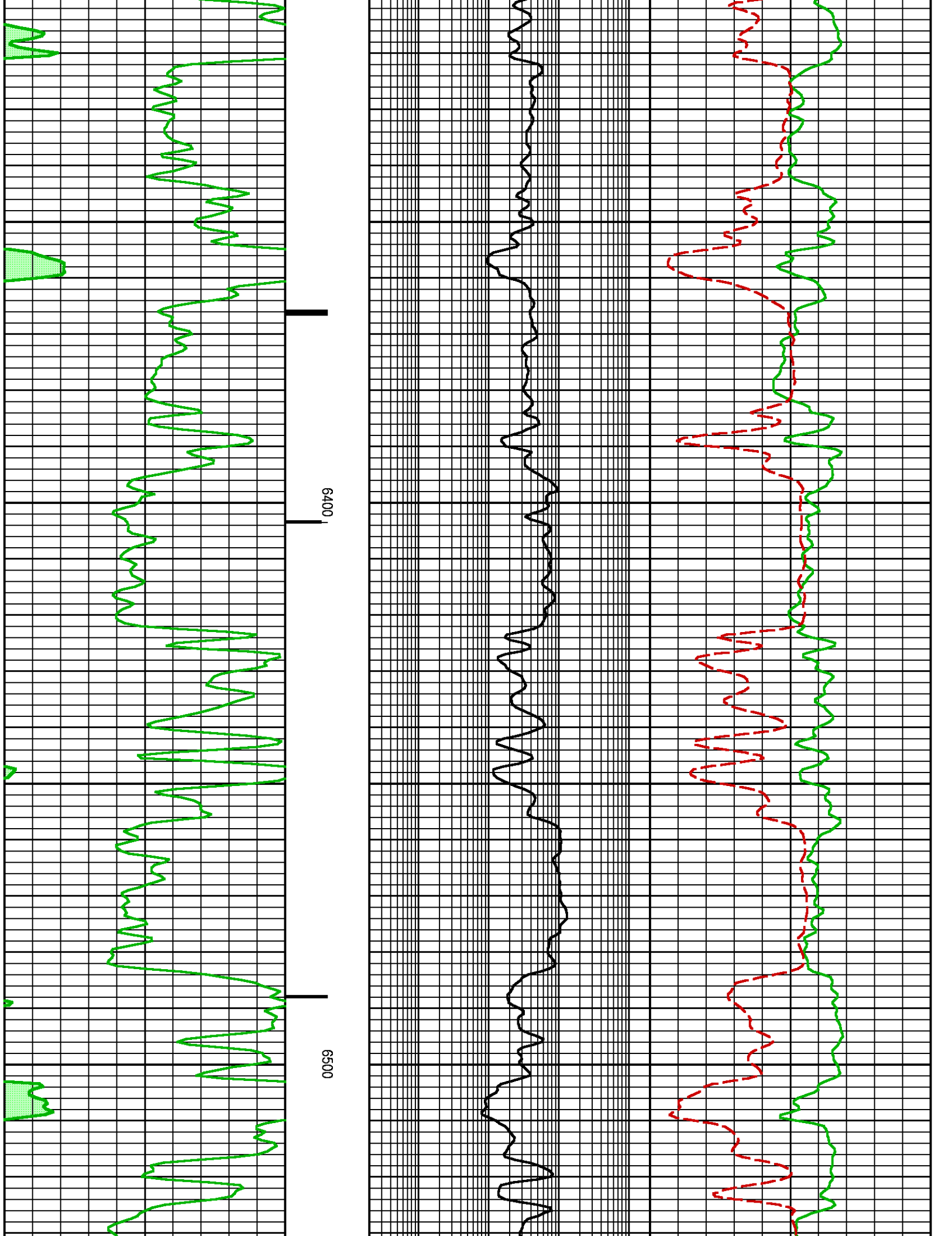


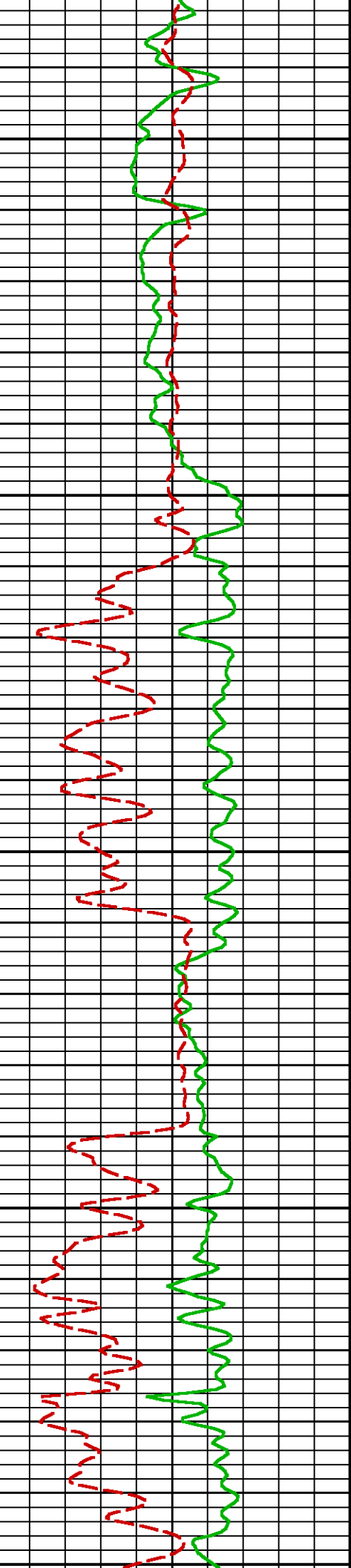
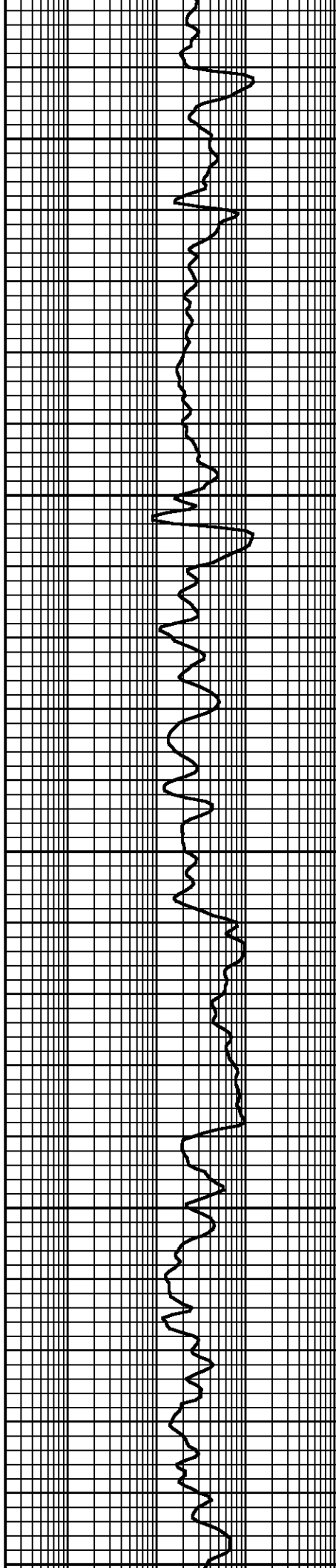
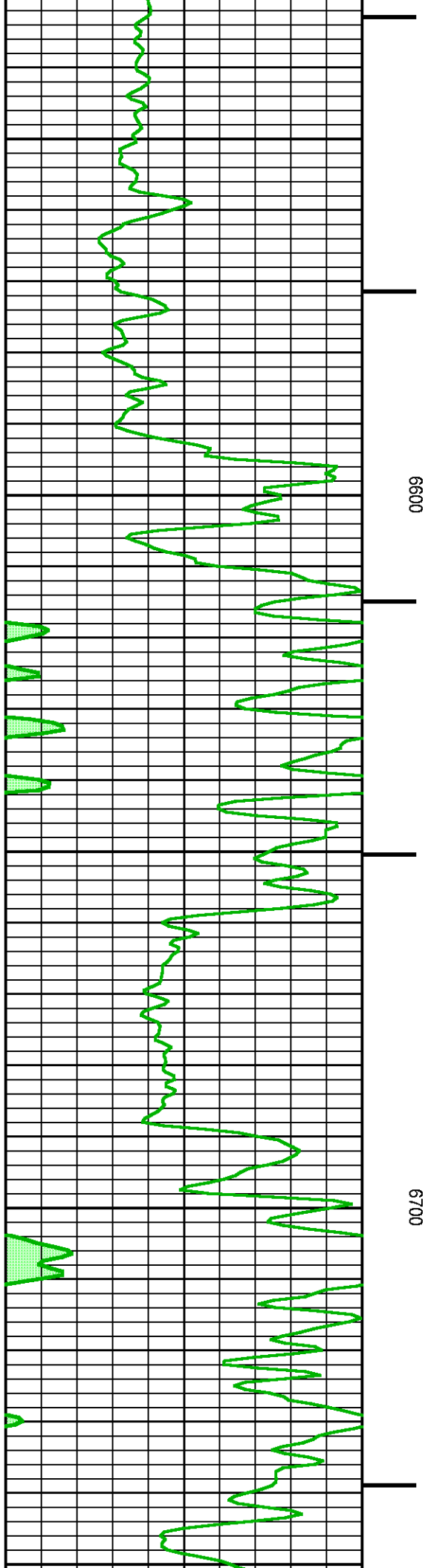


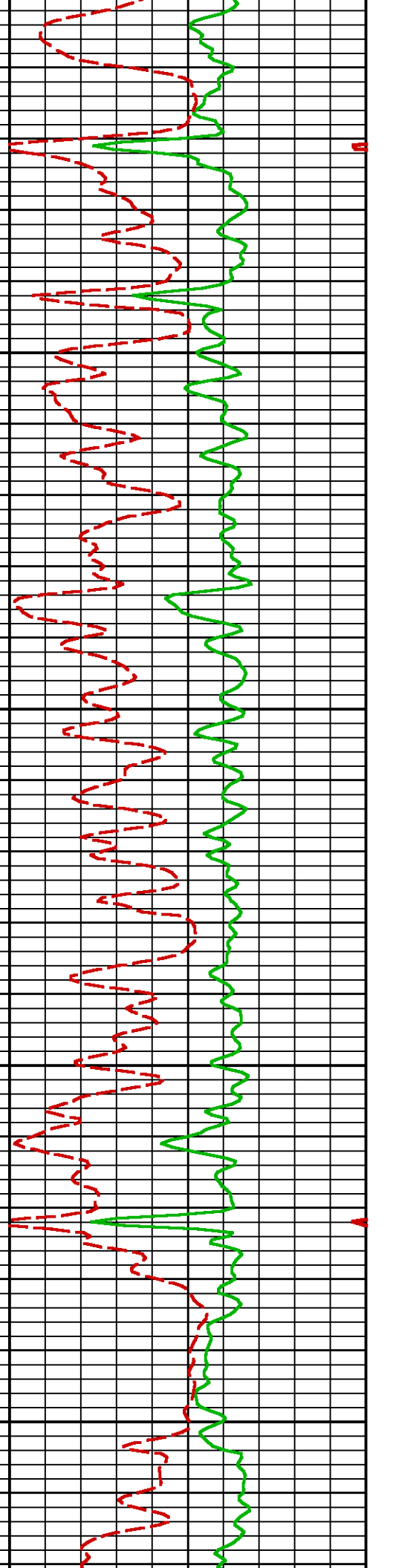
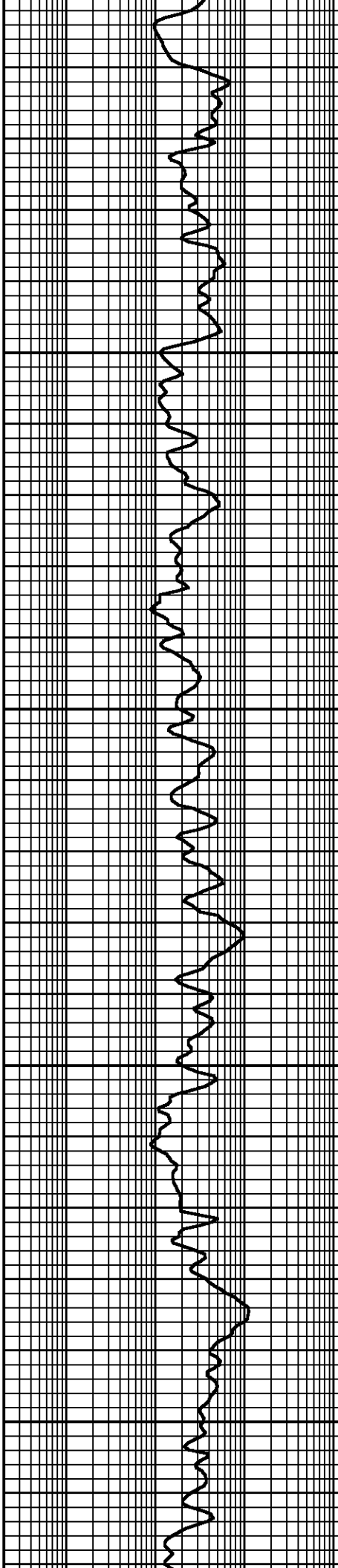
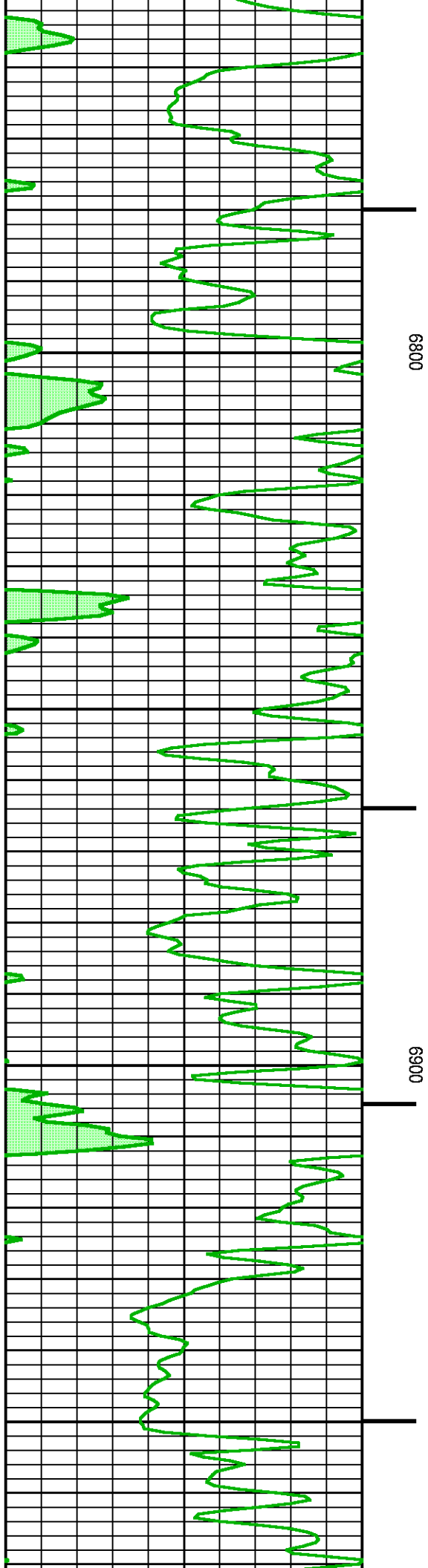


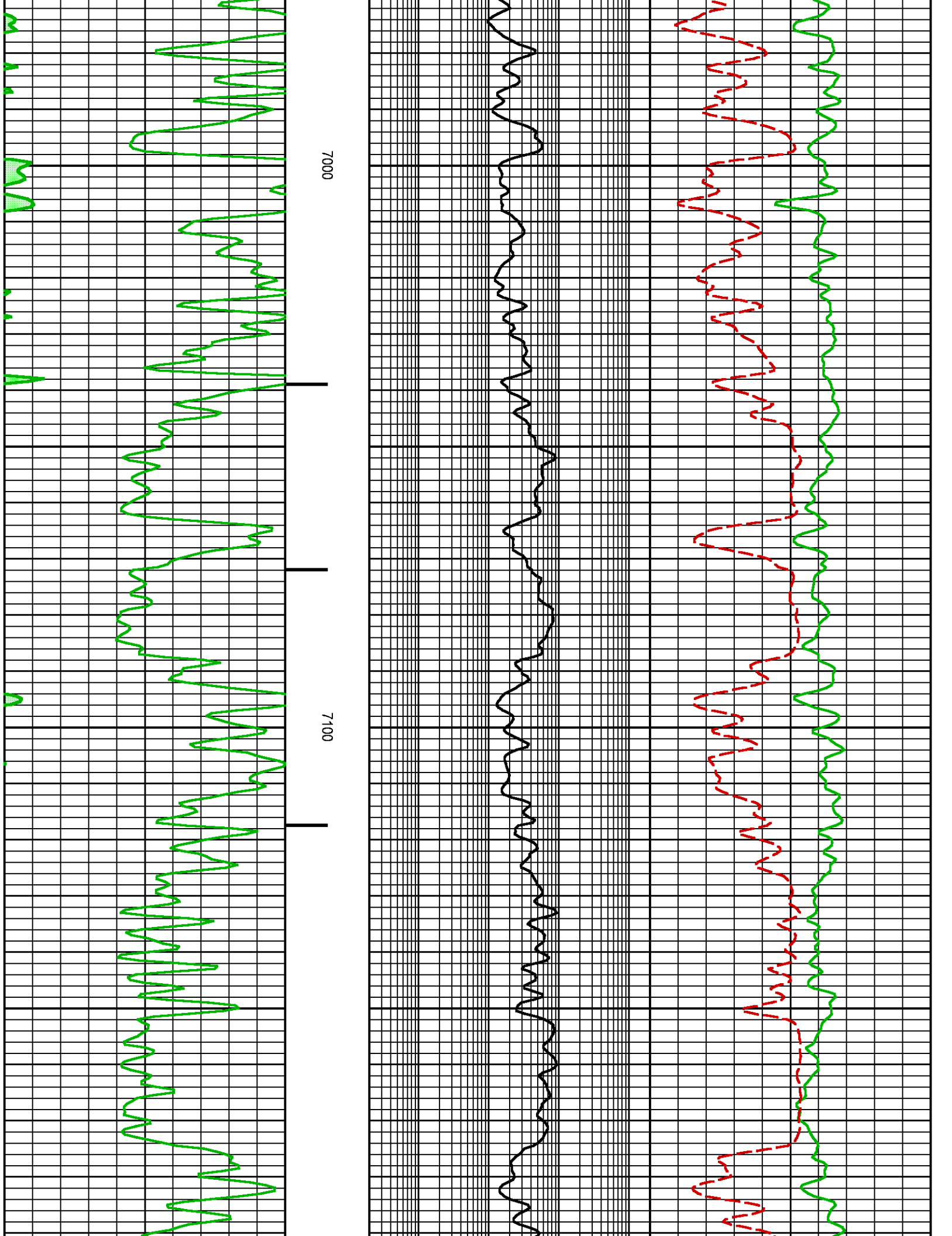


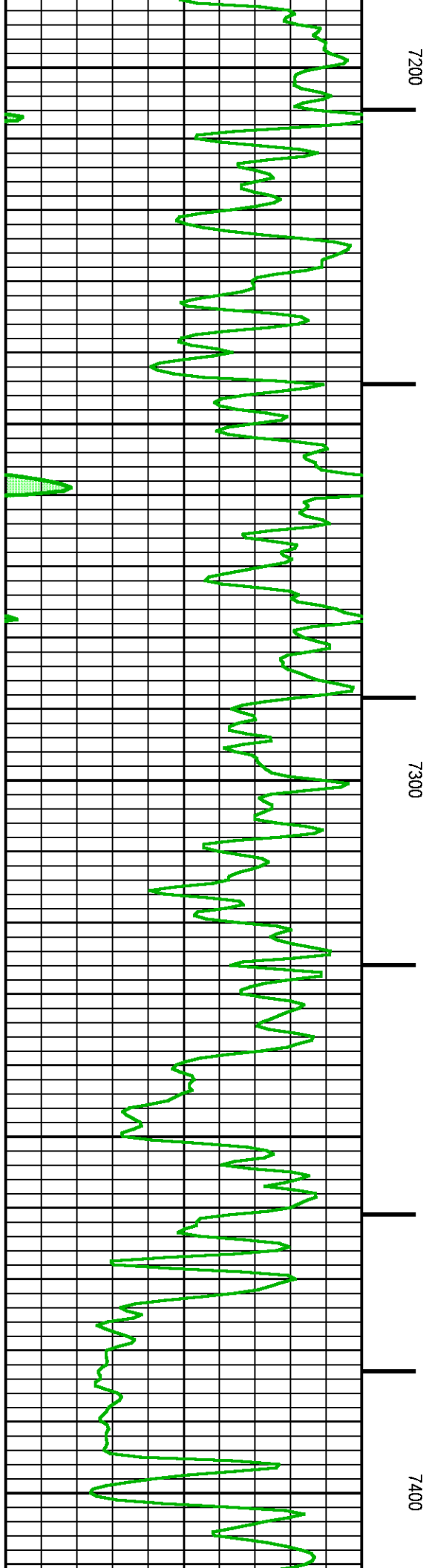
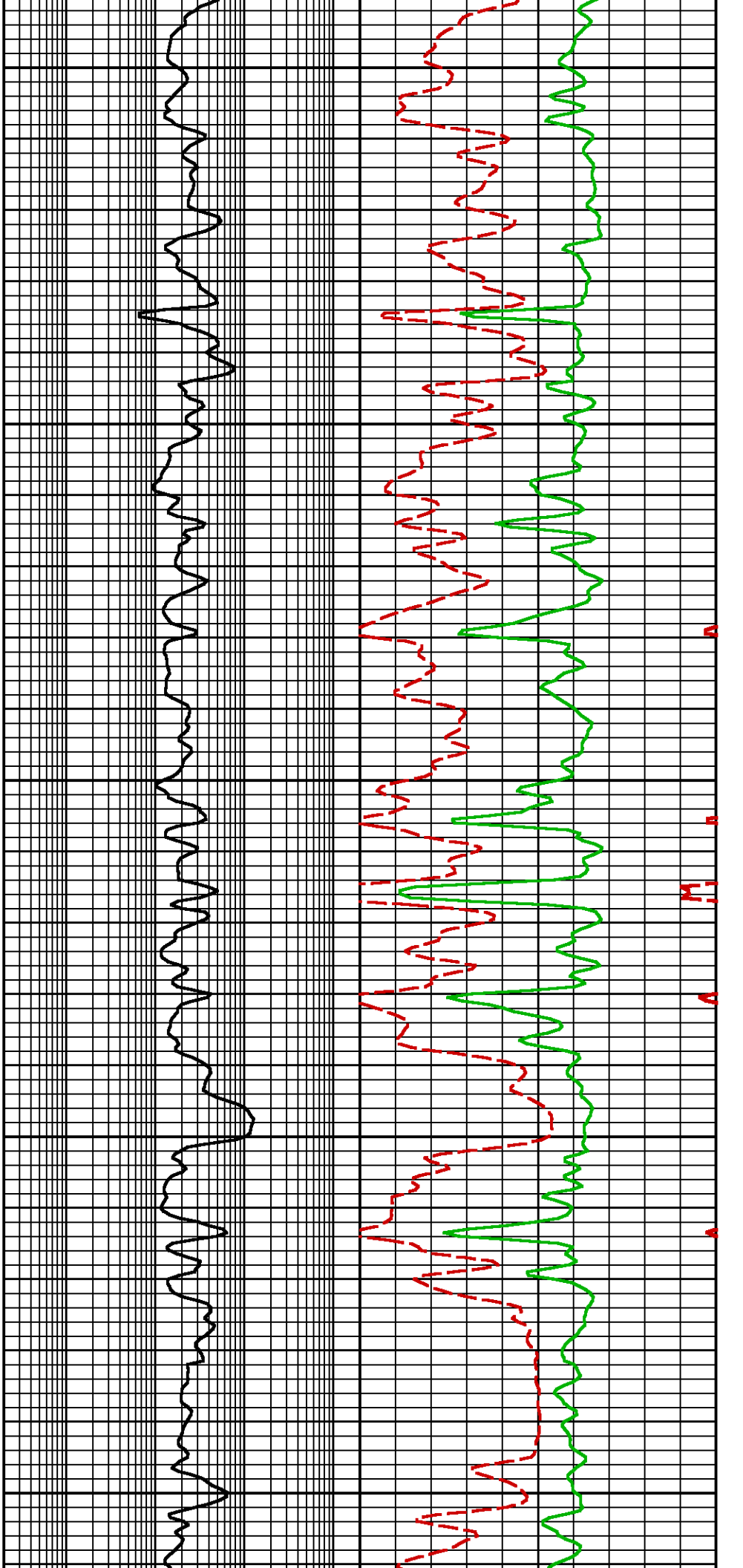


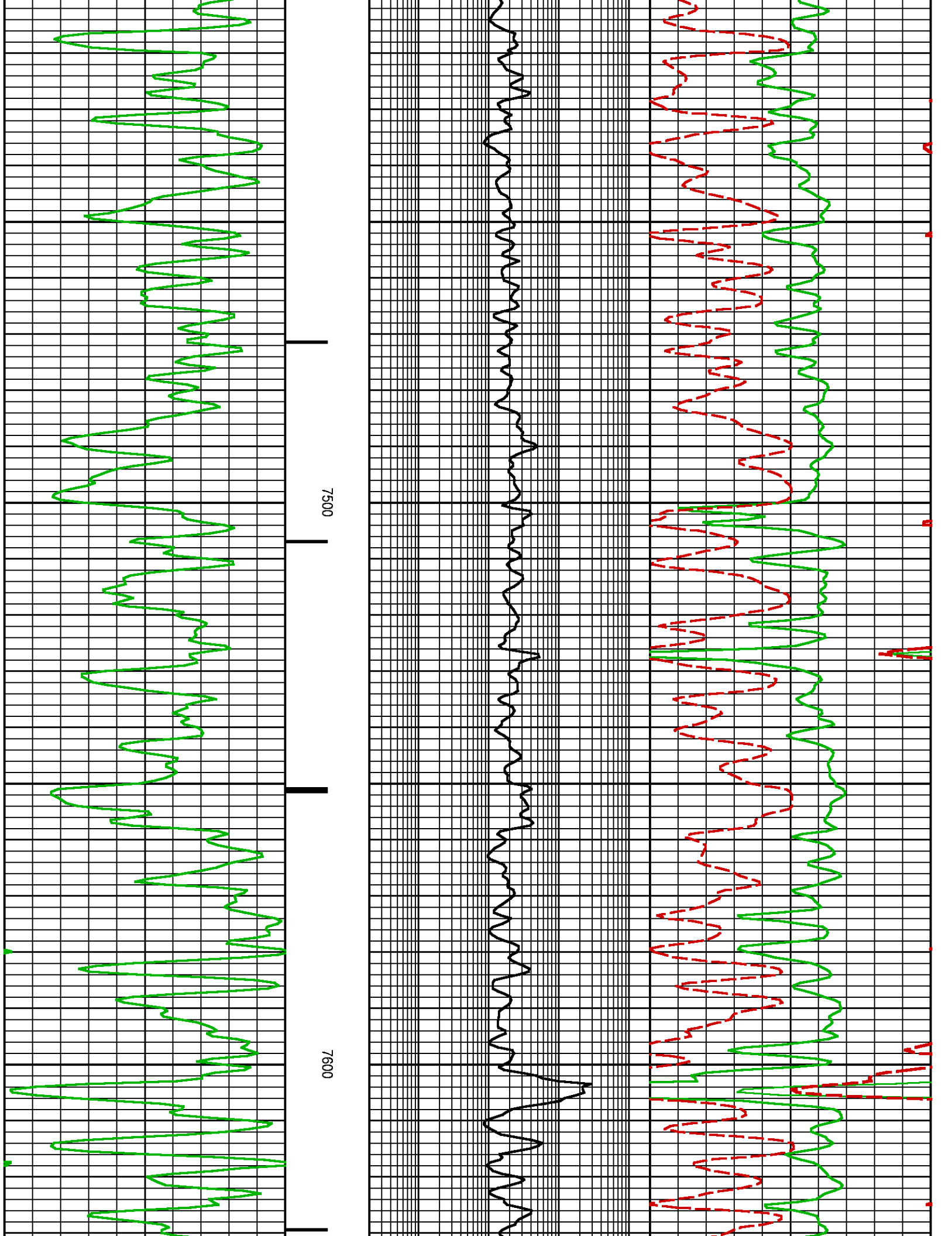


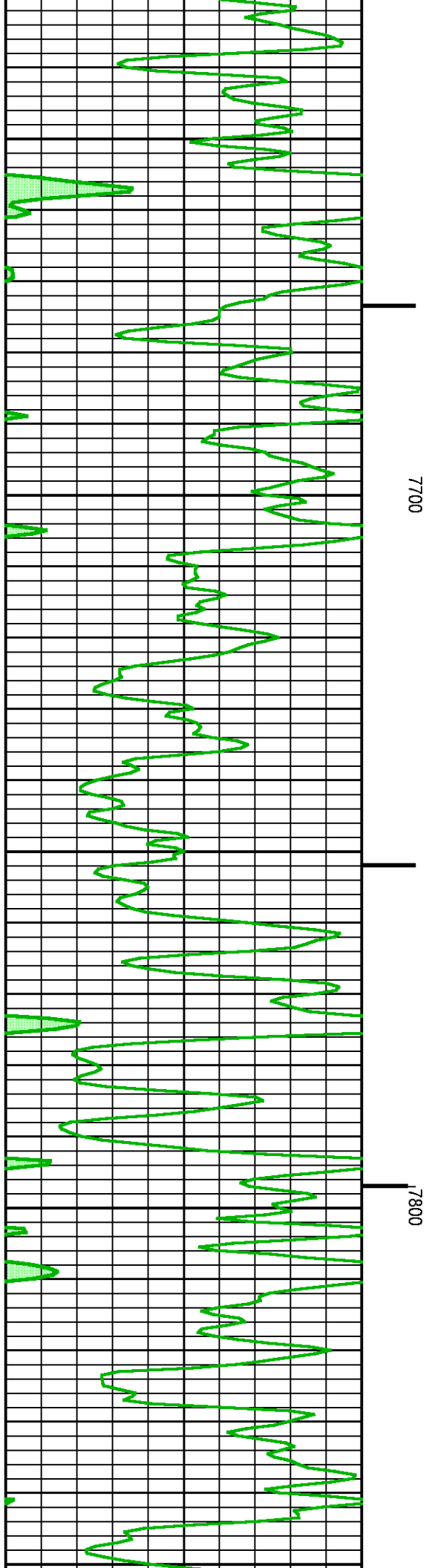
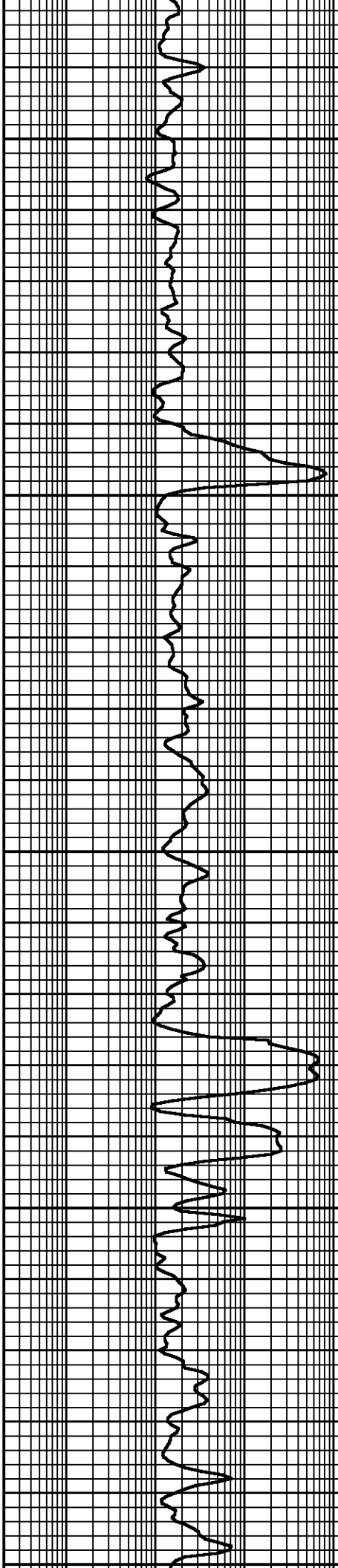
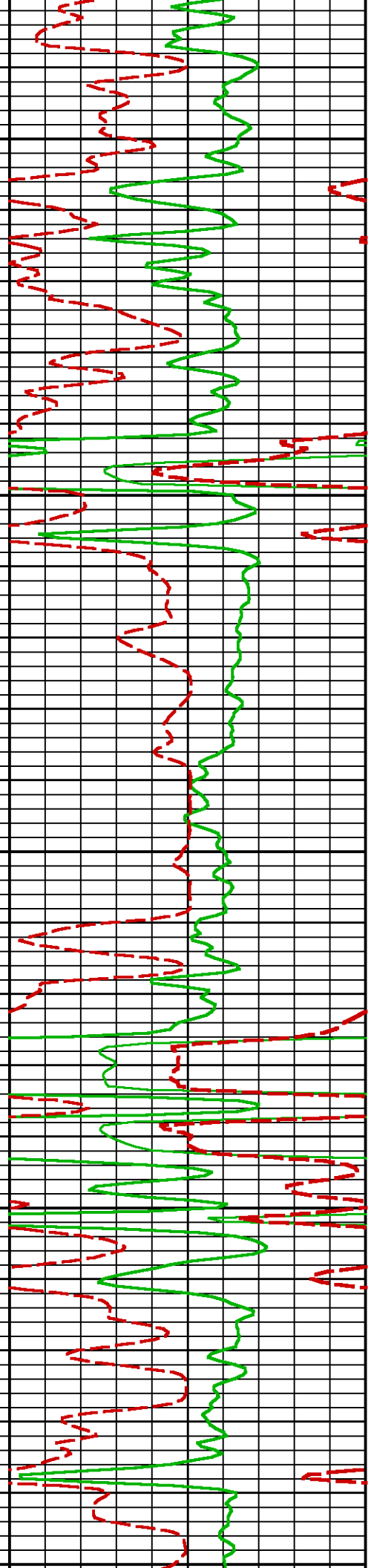


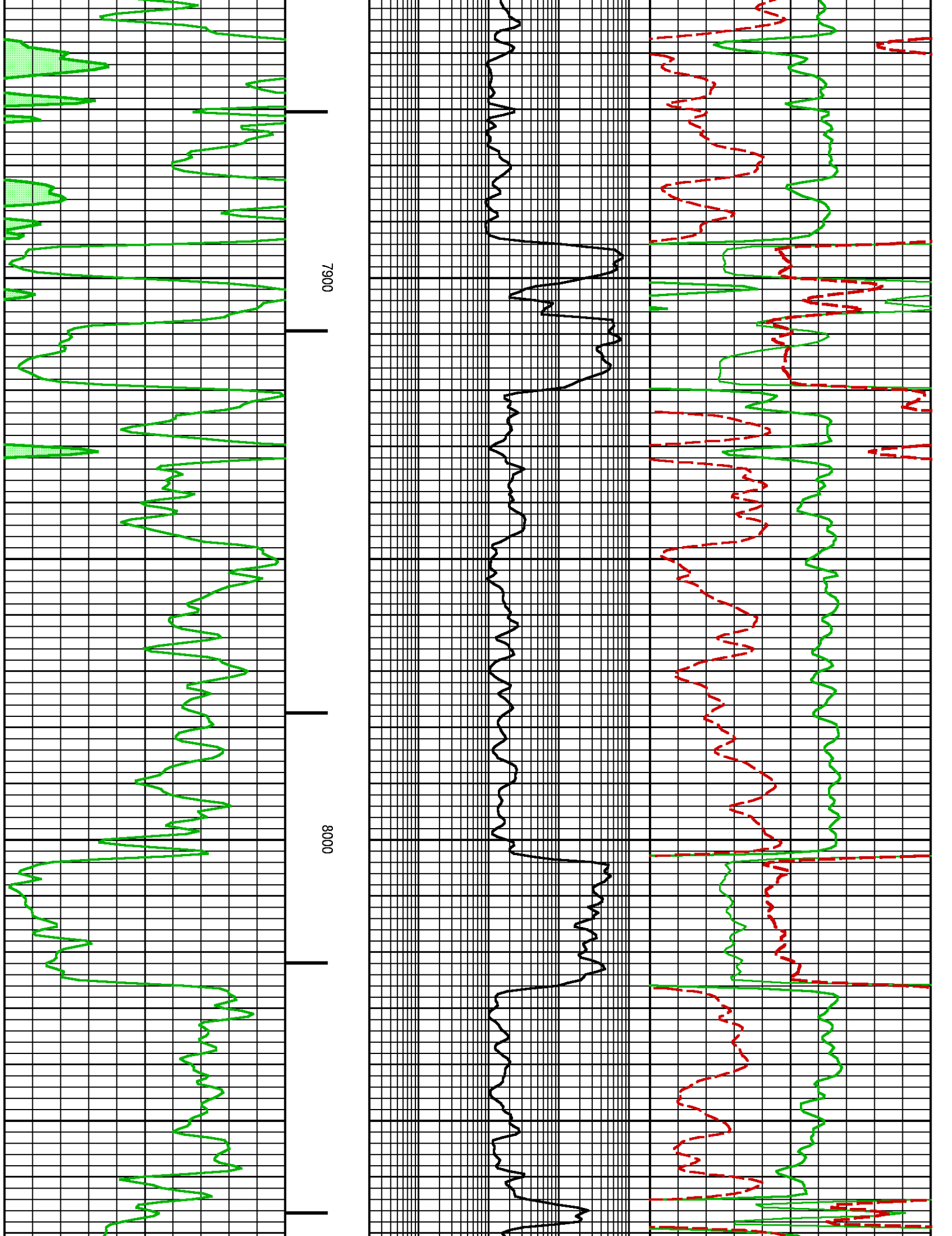


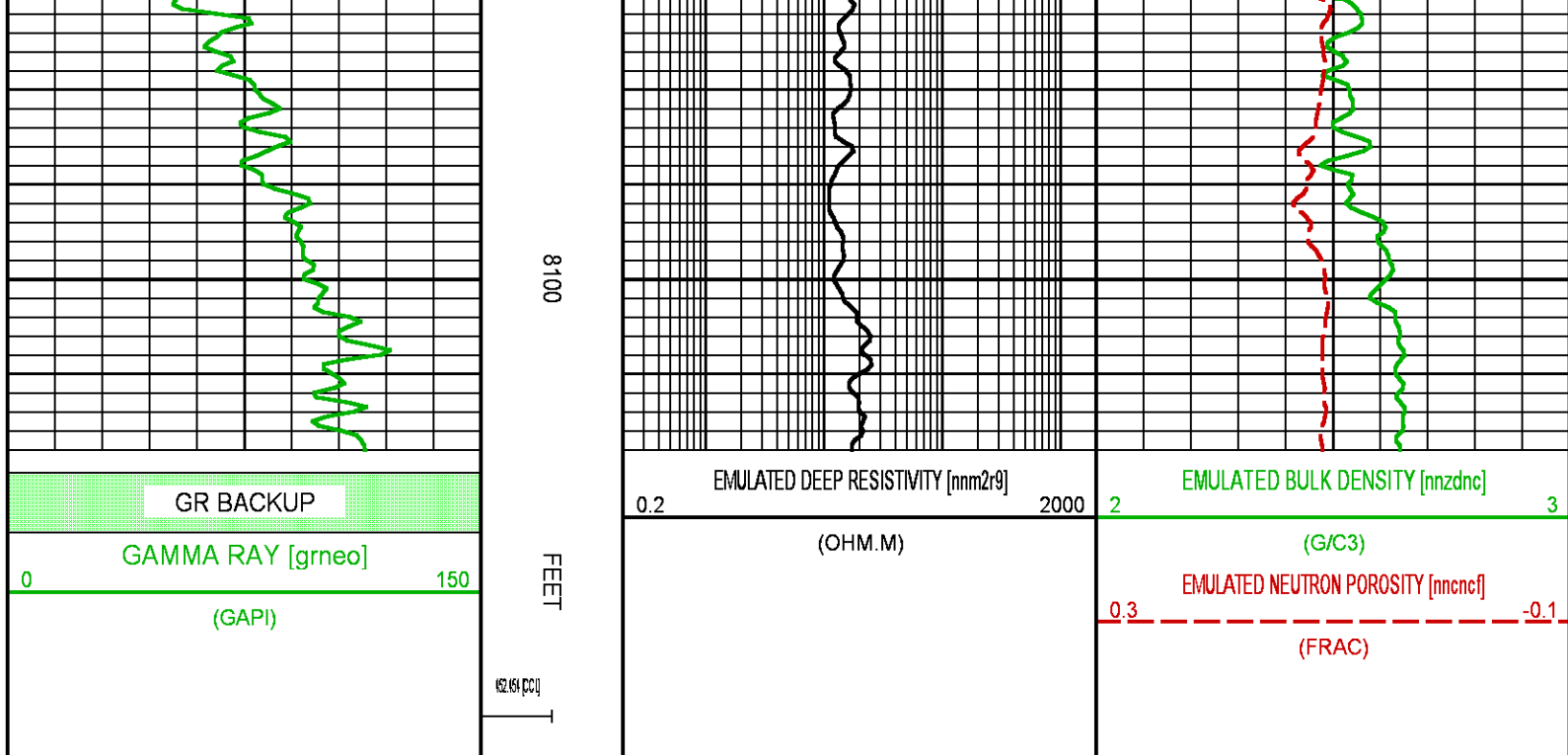


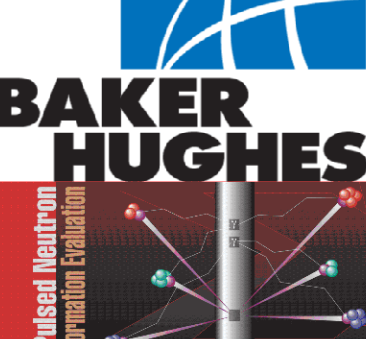










	COMPANY <u>LARAMIE ENERGY</u>		FILE NO: <u>21136-01</u>
	WELL <u>PICEANCE FEDERAL 28-02M</u>		API NO: <u>05077102390000</u>
	FIELD <u>VEGA</u>	STATE <u>COLORADO</u>	
	COUNTY <u>MESA</u>		
LOCATION: <u>SEE REMARKS SECTION</u>		ELEVATIONS: KB <u>7578 FT</u> DF GL <u>7556 FT</u>	
SEC <u>28</u> TWP <u>9S</u> RGE <u>93W</u>		DATE <u>02-NOV-2015</u>	