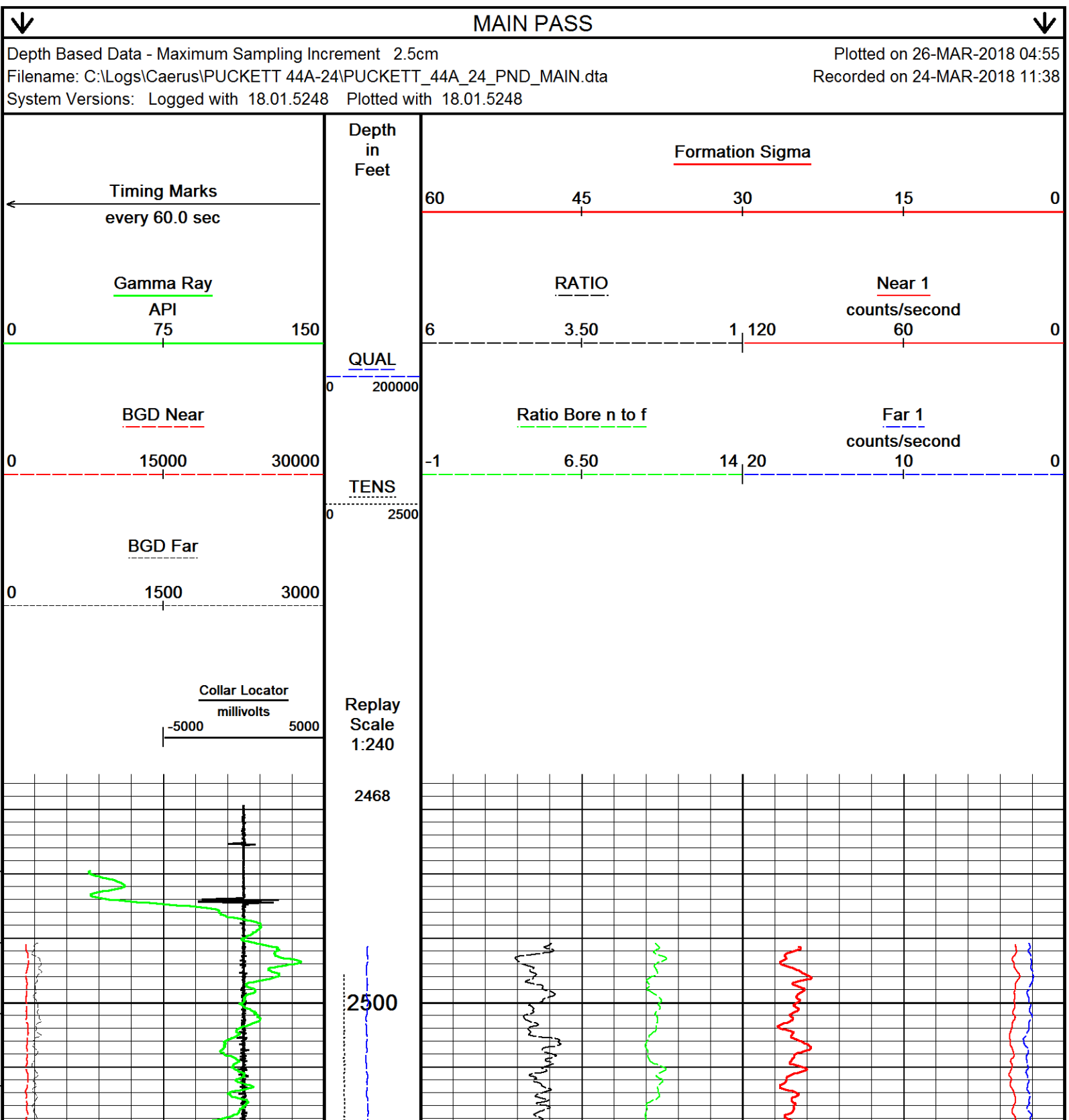
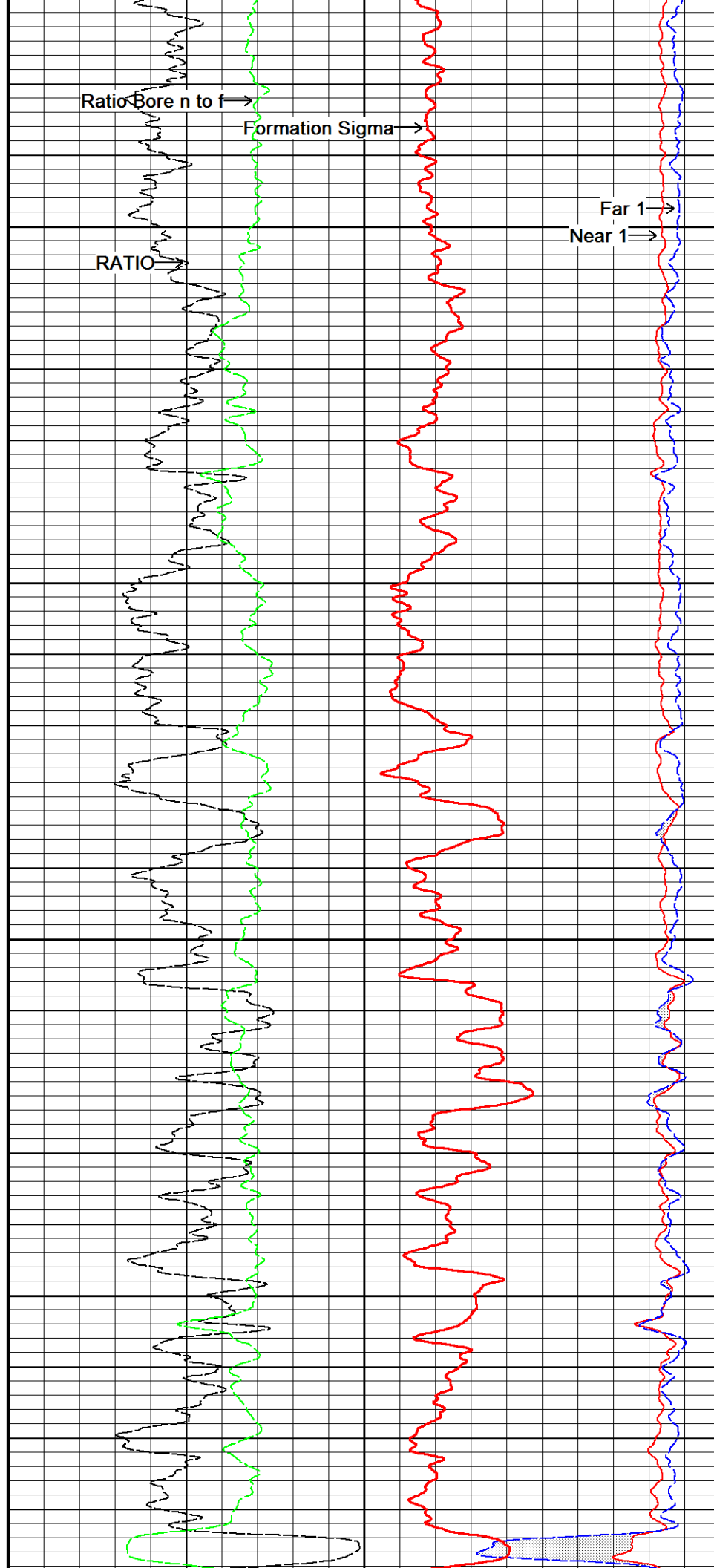
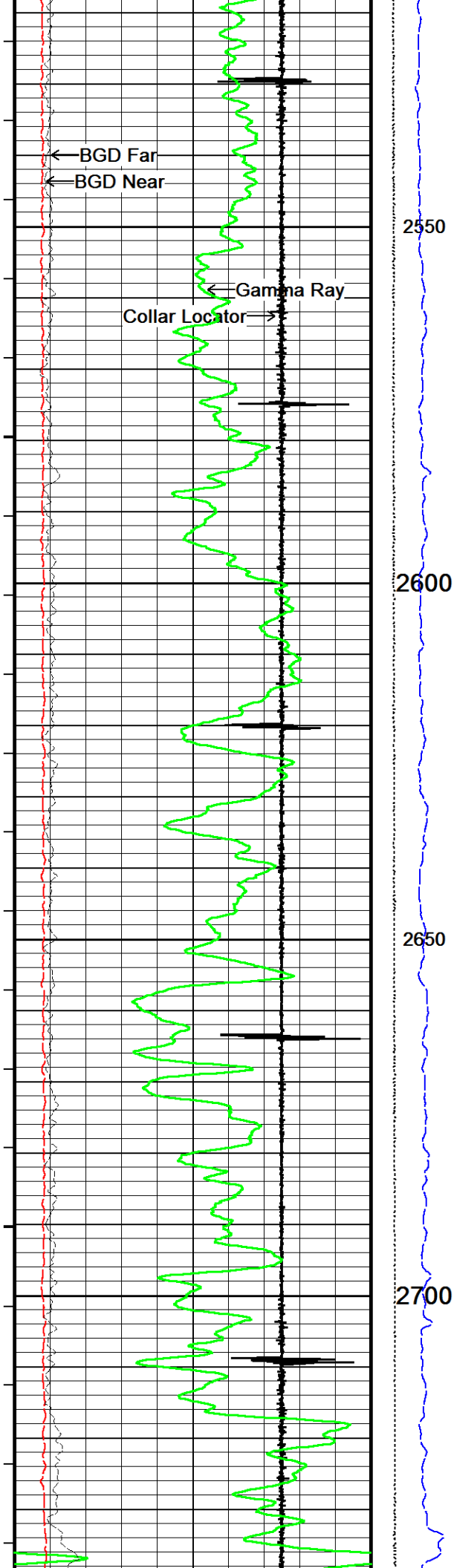
 Weatherford®				PULSED NEUTRON LOG							
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				CAERUS OIL & GAS PUCKETT 44A-24 GRAND VALLEY GARFIELD USA / COLORADO							
SEC 24		TWP 6S		RGE 97W		Other Services CBL					
Latitude		Longitude		API Number		Permanent Datum GROUND LEVEL, Elevation 8151 feet Log Measured From KB, 30.00 feet above Permanent Datum Drilling Measured From KB					
Permanent Datum GROUND LEVEL, Elevation 8151 feet		Log Measured From KB, 30.00 feet above Permanent Datum		Drilling Measured From KB							
Permanent Datum GROUND LEVEL, Elevation 8151 feet		Log Measured From KB, 30.00 feet above Permanent Datum		Drilling Measured From KB							
Permanent Datum GROUND LEVEL, Elevation 8151 feet		Log Measured From KB, 30.00 feet above Permanent Datum		Drilling Measured From KB							
Date		24-MAR-2018		PERFORATION RECORD							
Run Number		ONE		Shot		Number		Depth From		Depth To	
Service Order		5133-209133639		Density		of Shots		feet		feet	
Type Log											
Depth Driller		9099.00									
Depth Logger		8990.00									
Top Log Interval		2500.00									
Bottom Log Interval		8990.00									
Hole Fluid Type		WATER									
Hole Fluid Level											
Restriction ID		3.875		inches		Gun Type					
Max Recorded Temp				Gun Size							
Well Head Pressure		0.00		psi		CASING / TUBING RECORD					
Well Head Equipment		N/A		Size		Weight		Depth From		Depth To	
Time Well Ready		ROA		inches		pounds/ft		feet		feet	
Time Logger Bottom		1130		9.625		36.00		0.00		2520.00	
Unit		14115		4.500		11.60		0.00		9051.00	
Equipment Name		WSS-E									
Base		CASPER									
Recorded By		P. MAZUR									
Witnessed By		R. TOMPKINS									

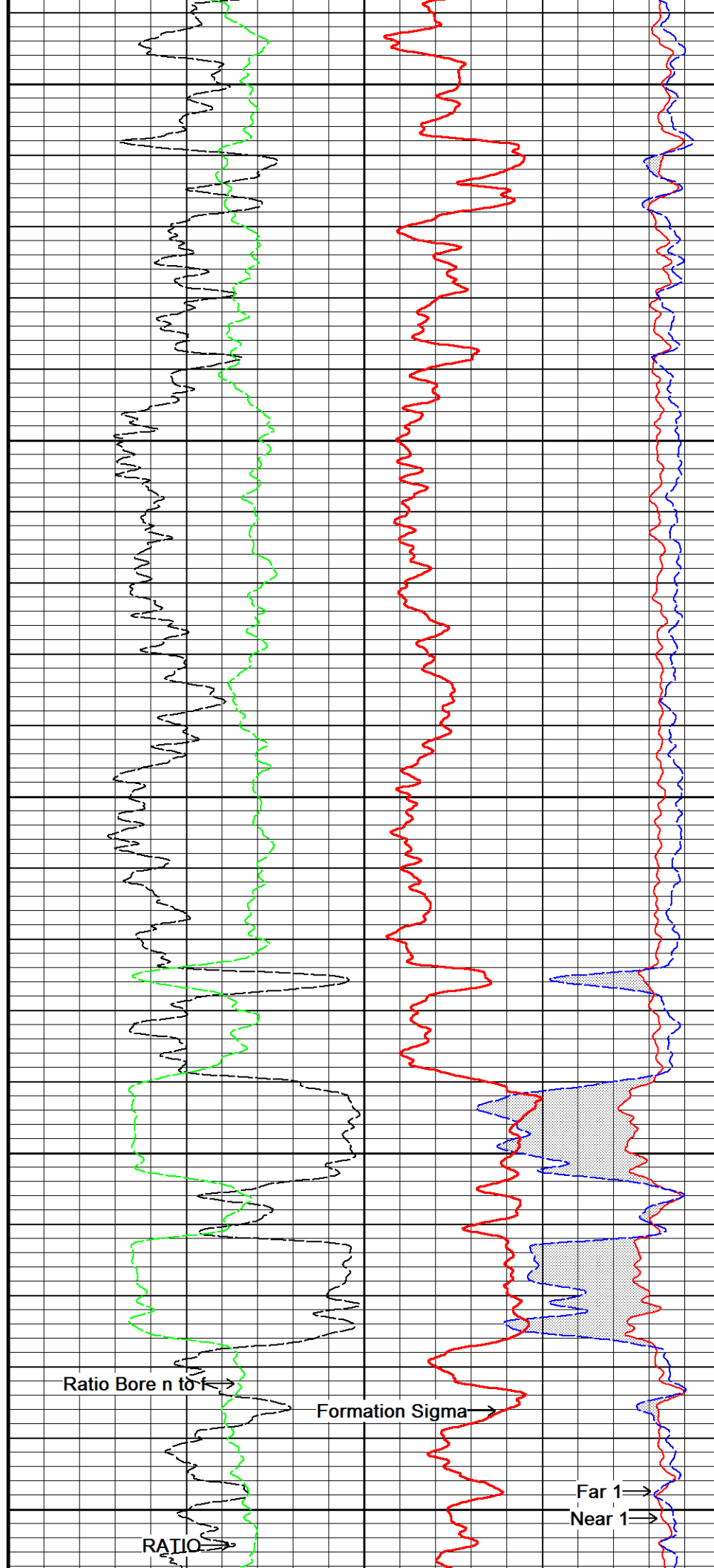
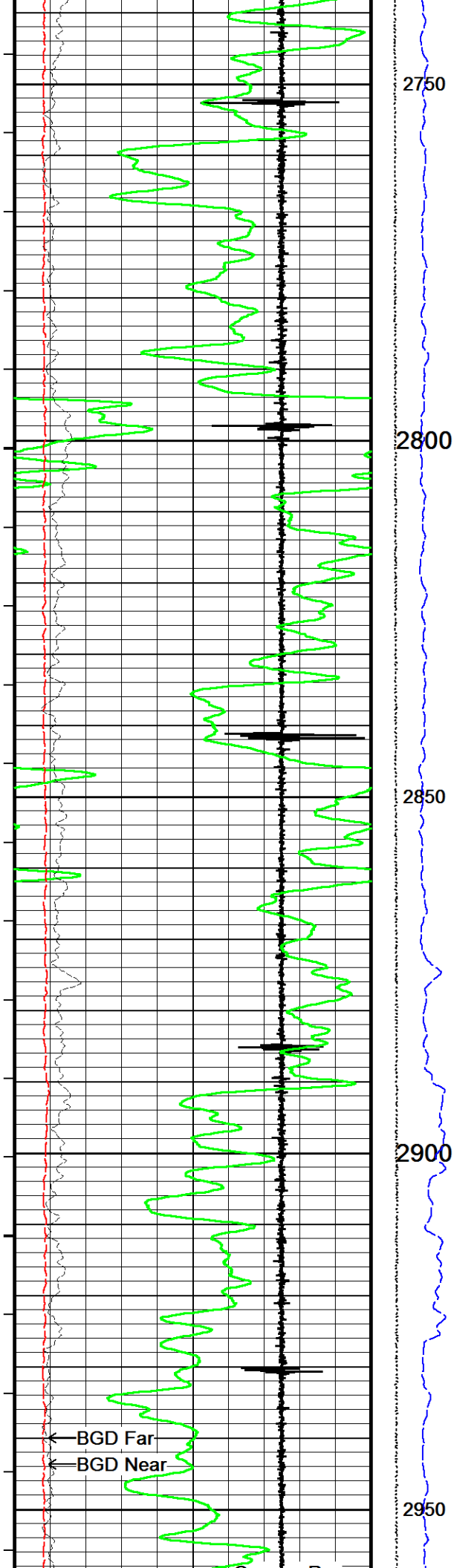
BOREHOLE RECORD			Last Edited: 24-MAR-2018 22:50
Bit Size inches	Depth From feet	Depth To feet	
14.750	0.00	2550.00	
8.750	2550.00	9099.00	
CASING / TUBING RECORD			
Type	Grade	TypeJoint	Weight pounds/ft
SURFACE	J-55		36.00
PRODUCTION	P-110		11.60

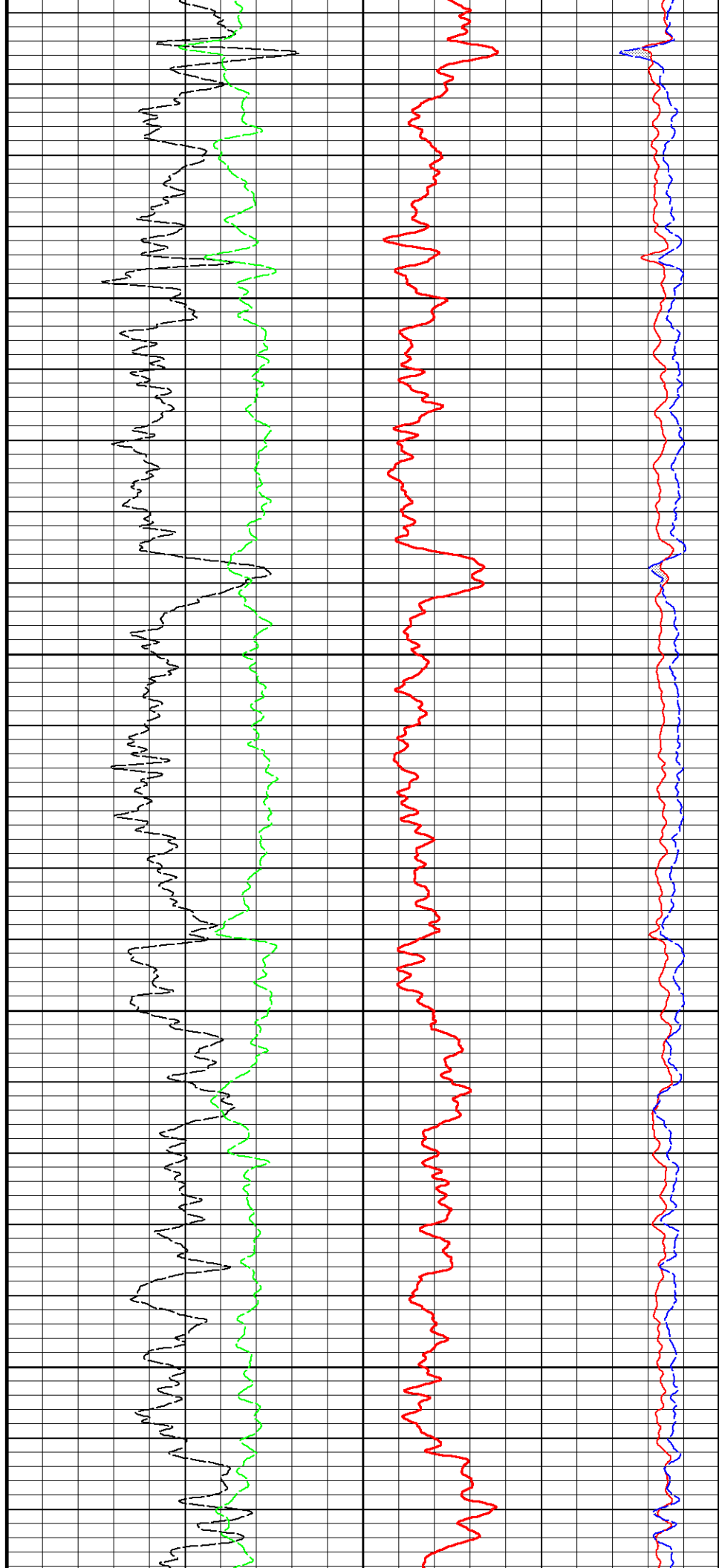
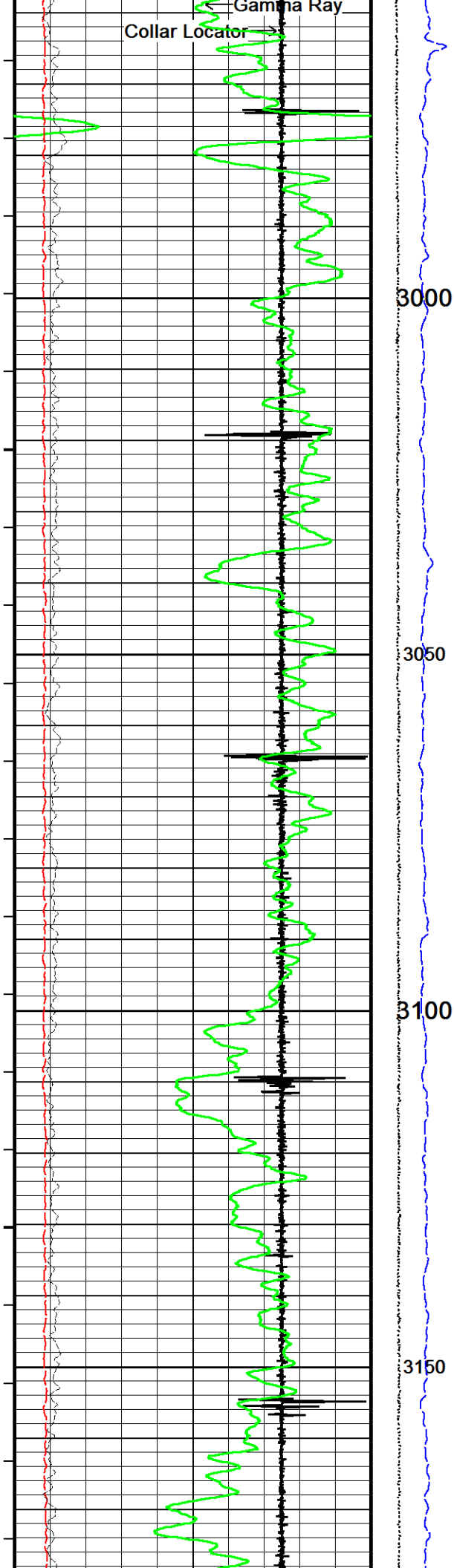
REMARKS
SOFTWARE VERSION 18.01.5248 - COMMERCIAL VERSION
ALL DEPTH CONTROL PROCEDURES FOR SUBSEQUENT RUN IN HOLE WERE FOLLOWED. LOG RUN FROM 30' K.B.
SHORT JOINT LOCATED AT 6338' - 6345"
SURFACE SYSTEM USED: WCM-D 160
TOOLS RUN: CCPC, PNEE, PDTS, PGNS WERE RAN IN COMBINATION
GAMMA RAY COUNTS ON SUBSEQUENT PASSES ARE AFFECTED BY RESIDUAL NEUTRON ACTIVATION CAUSED BY THE PREVIOUS PASS
CREW: PAUL MAZUR, MANNY MENDEZ, JEREMY STEWART

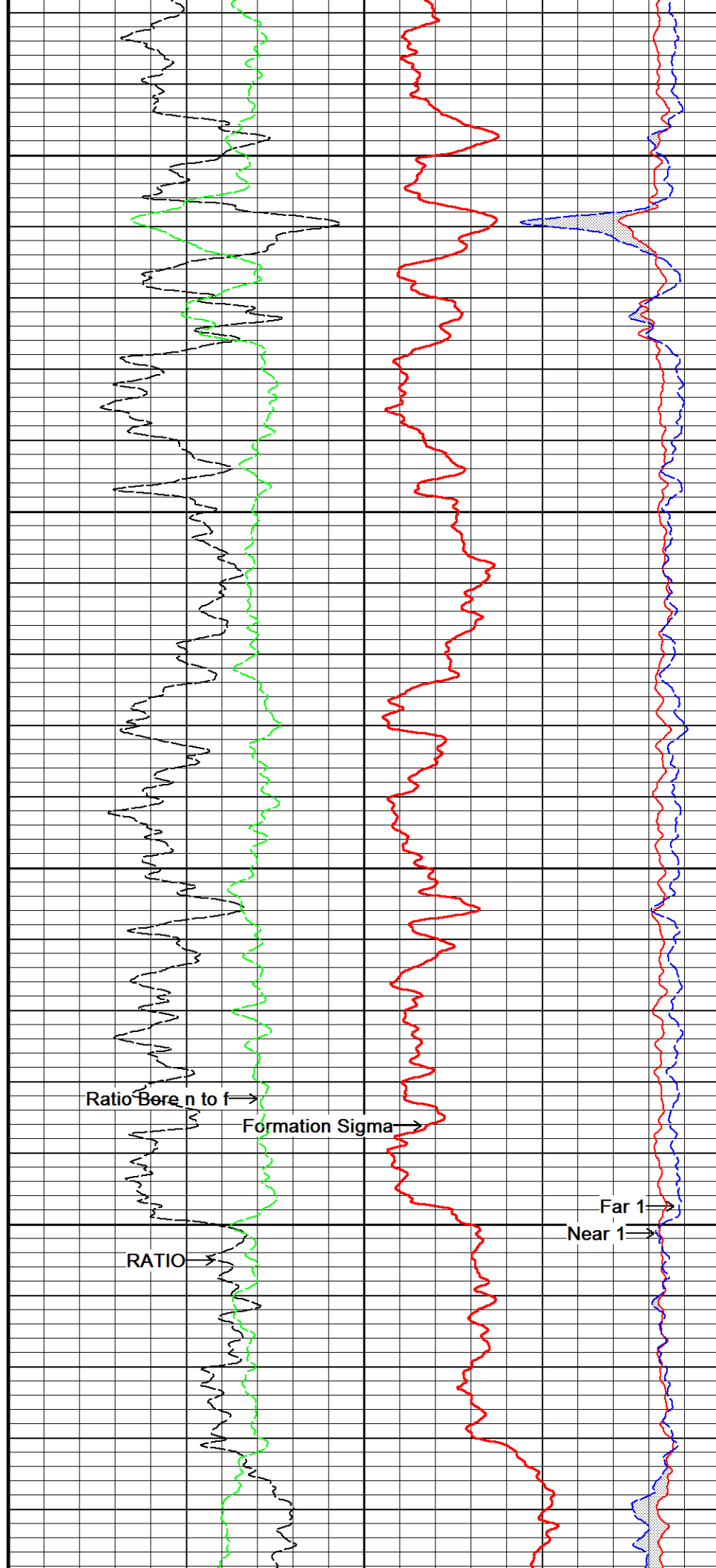
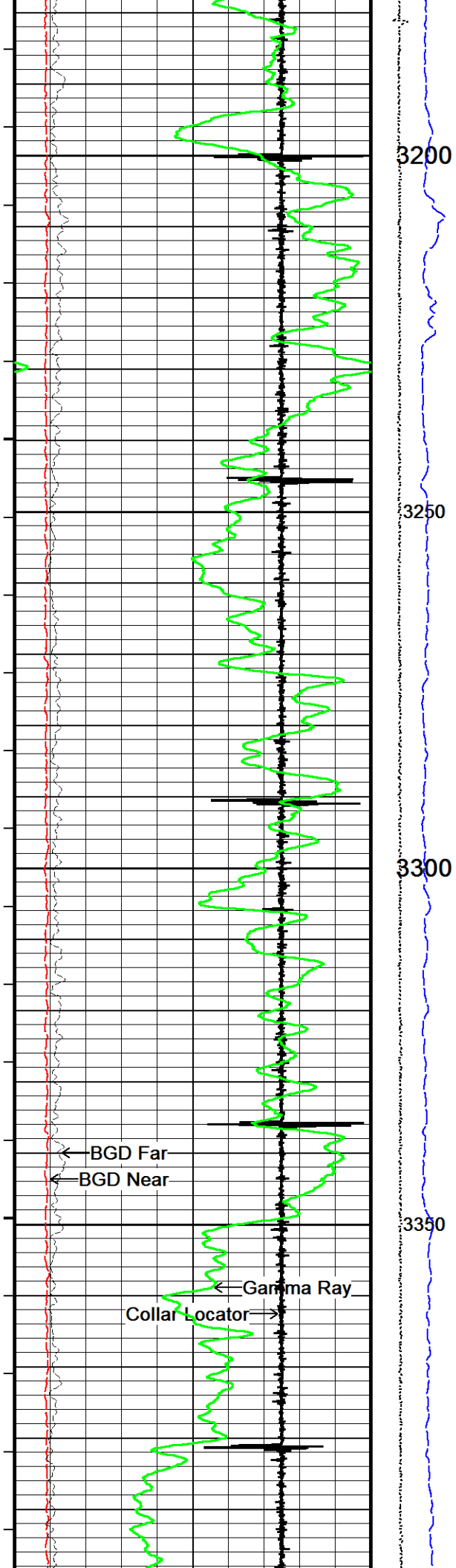
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

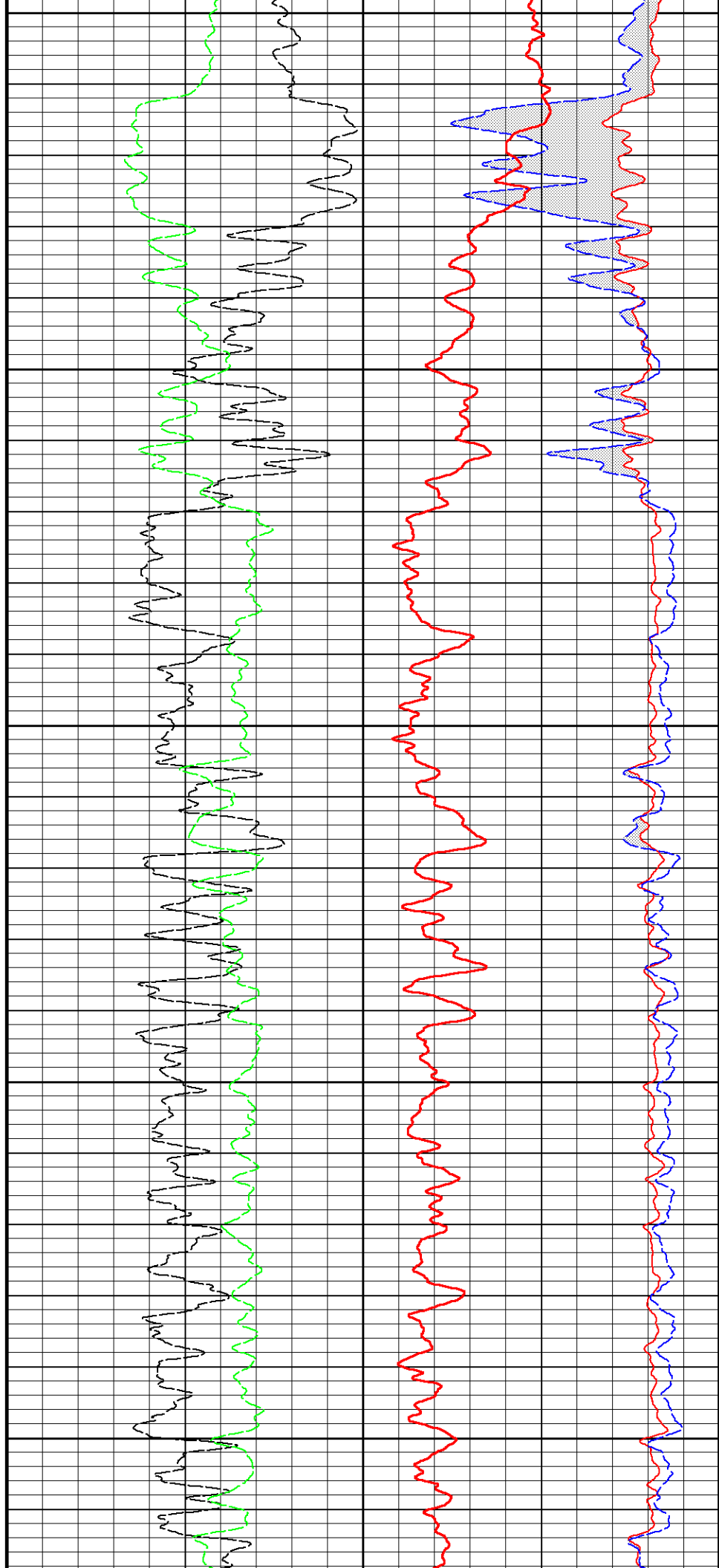
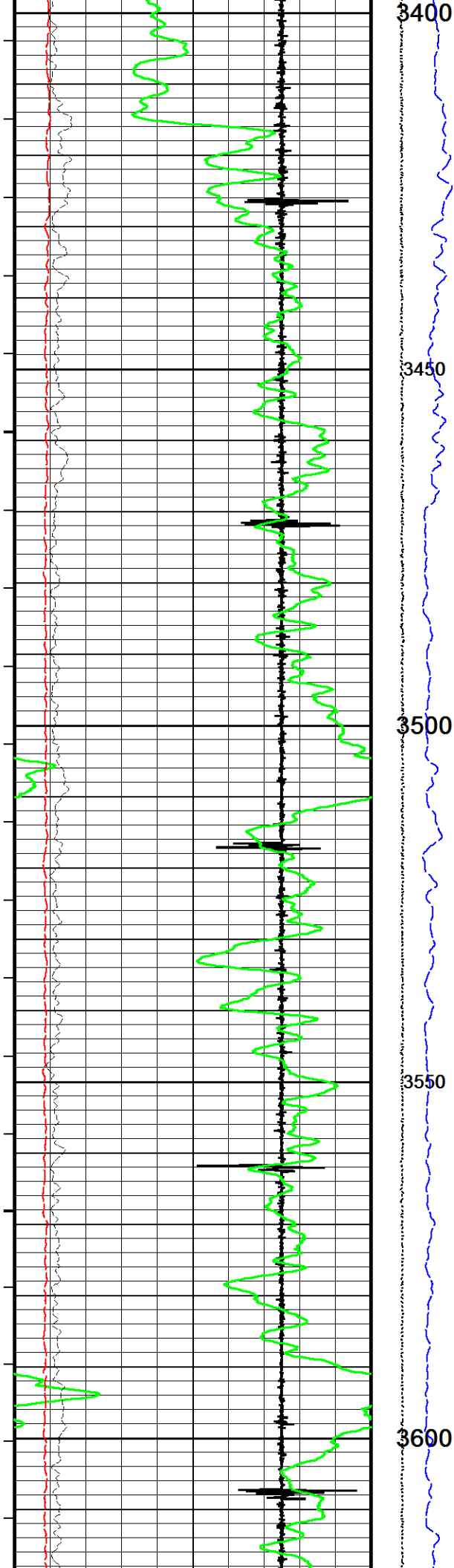


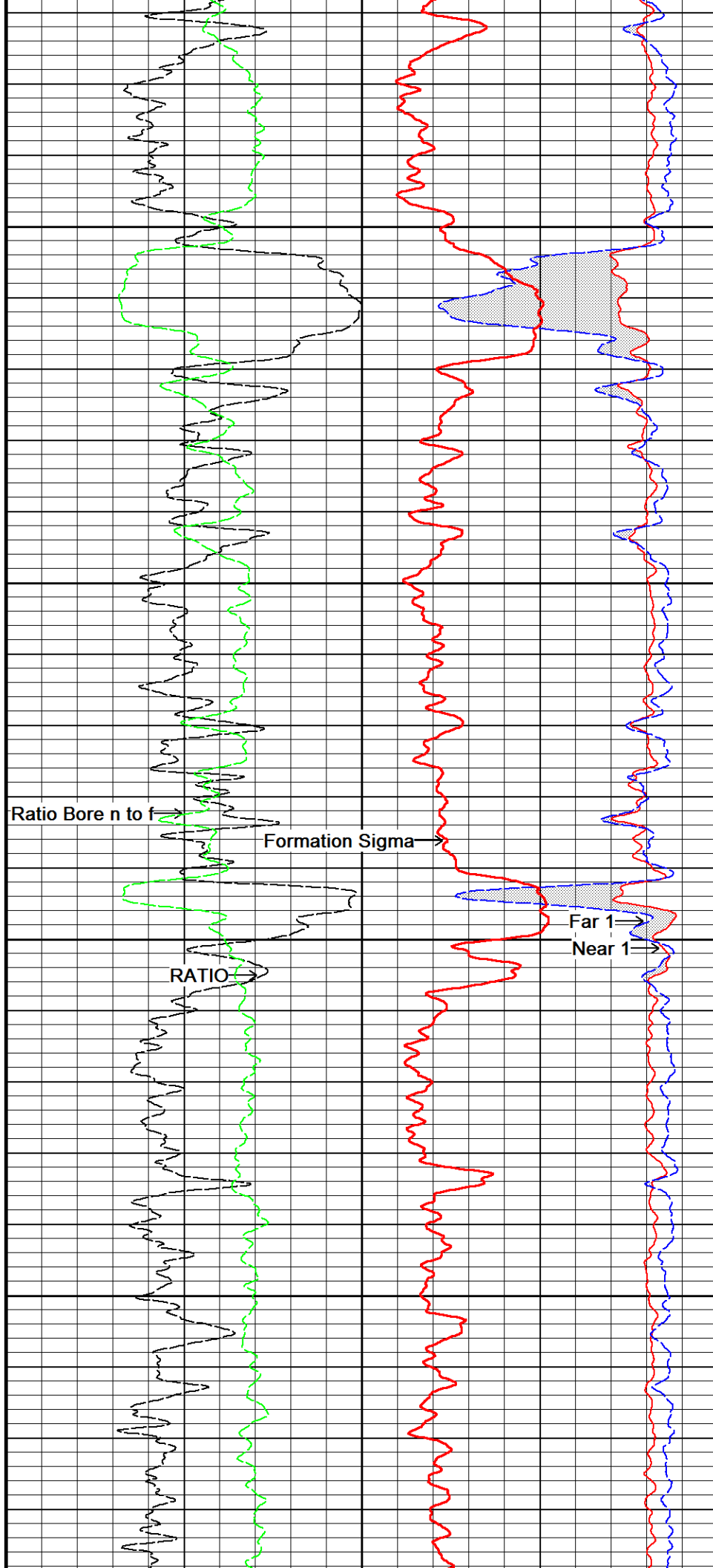
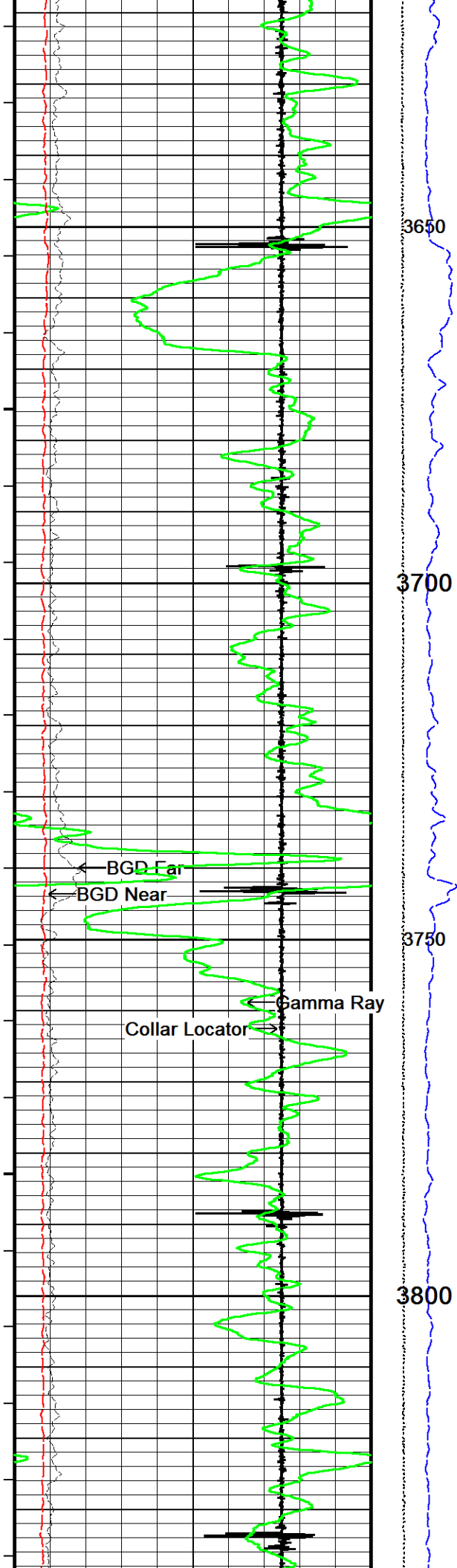


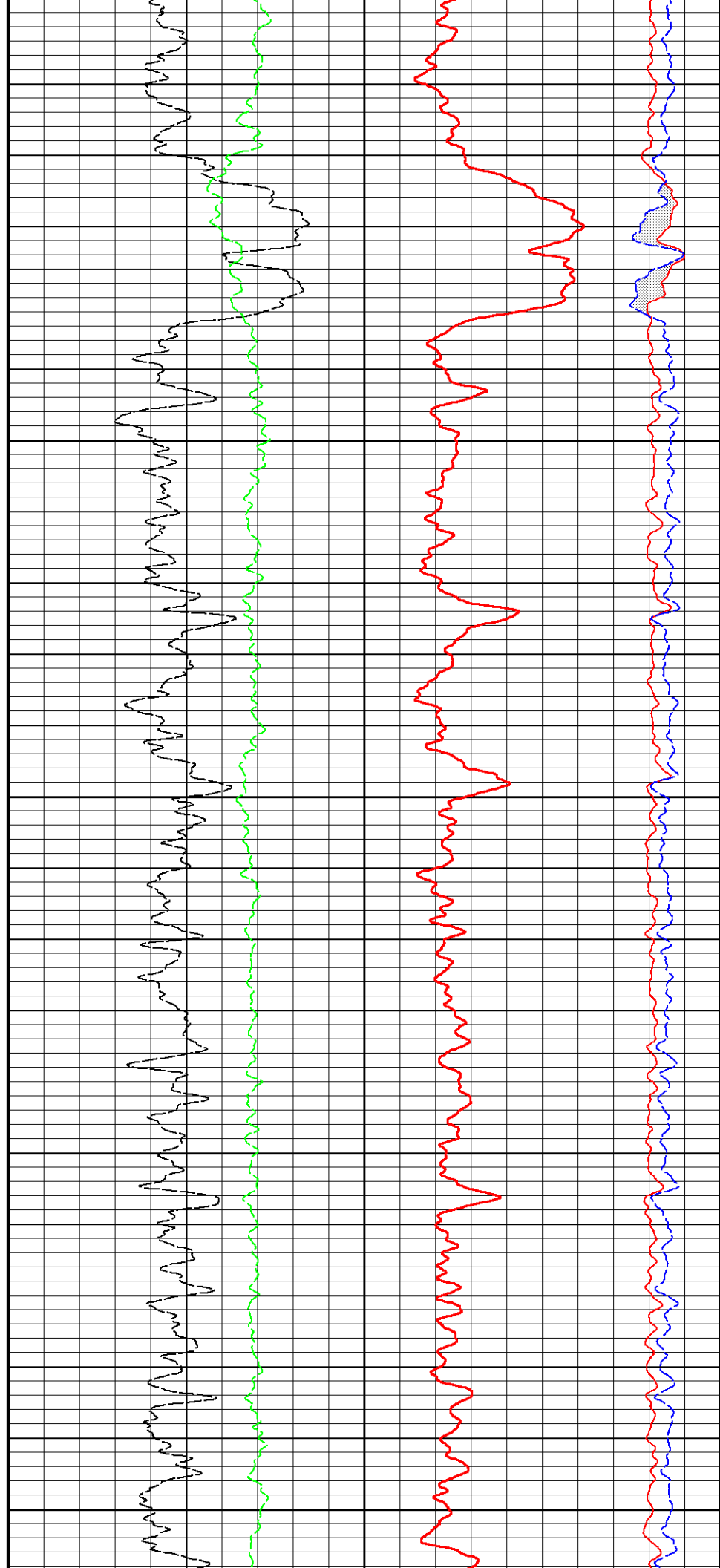
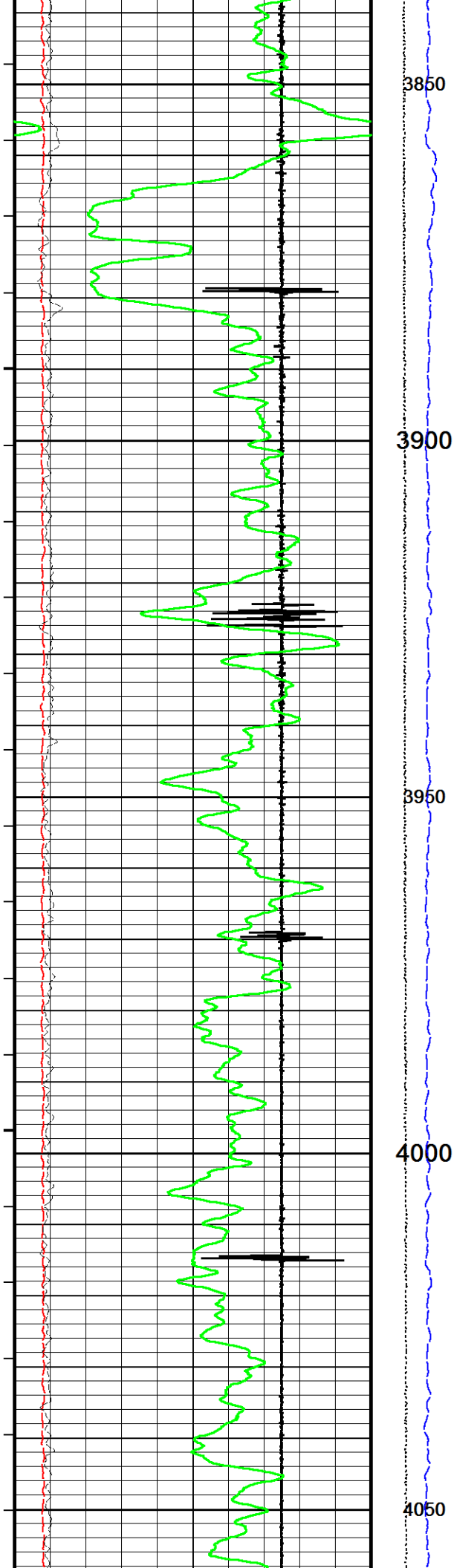


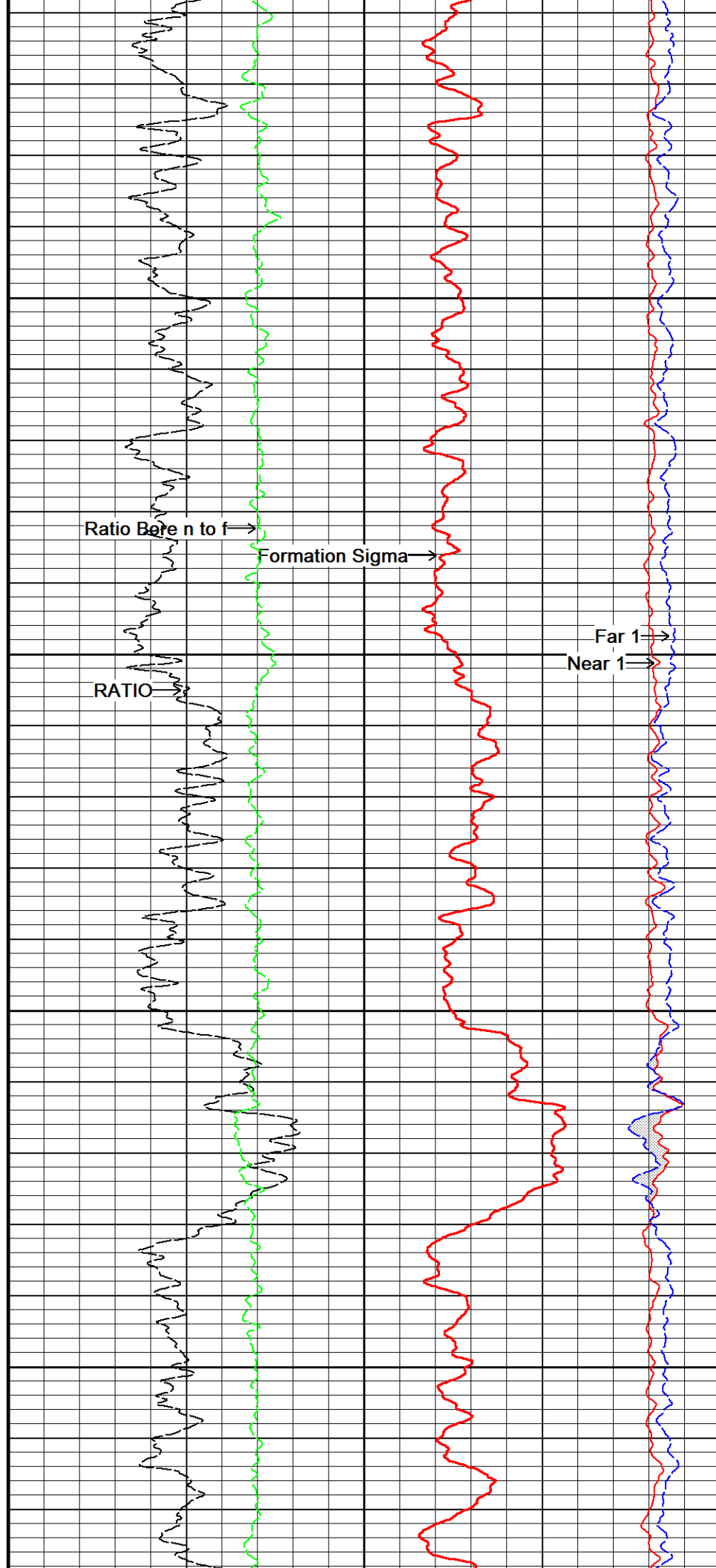
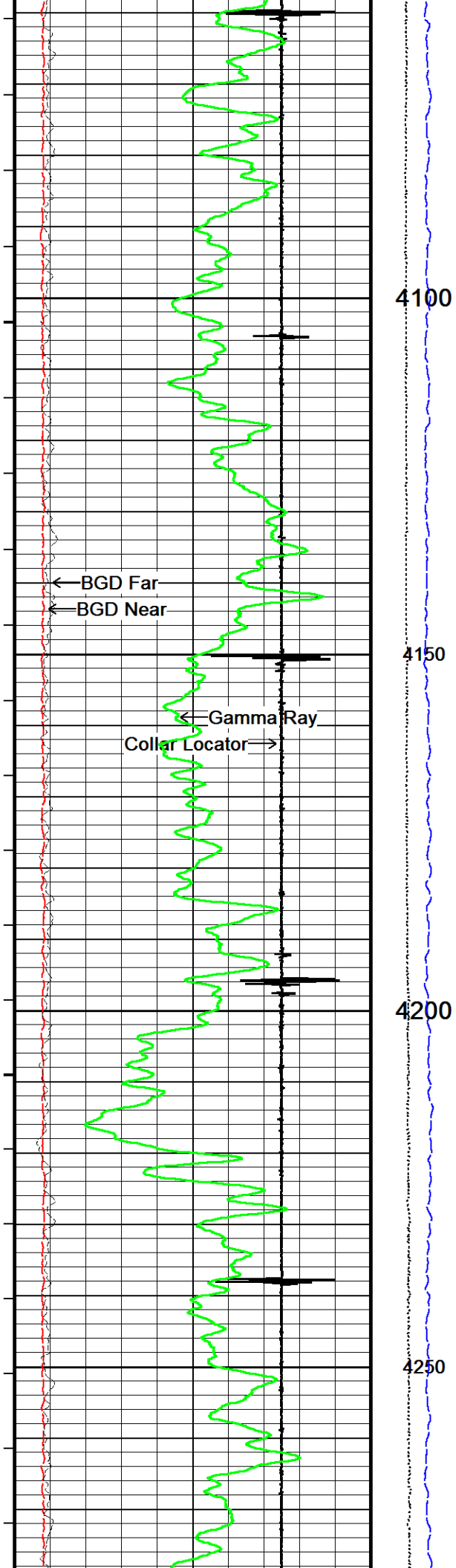


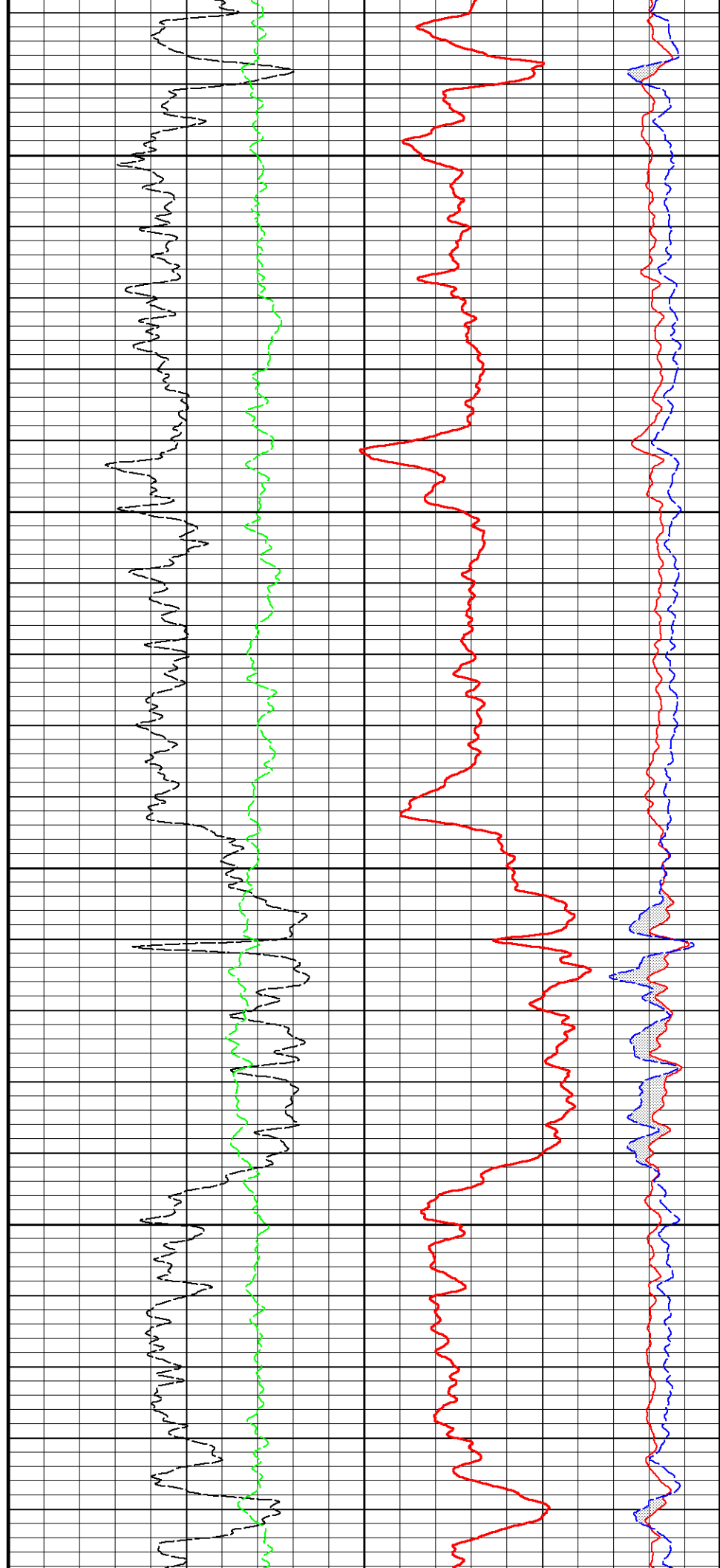
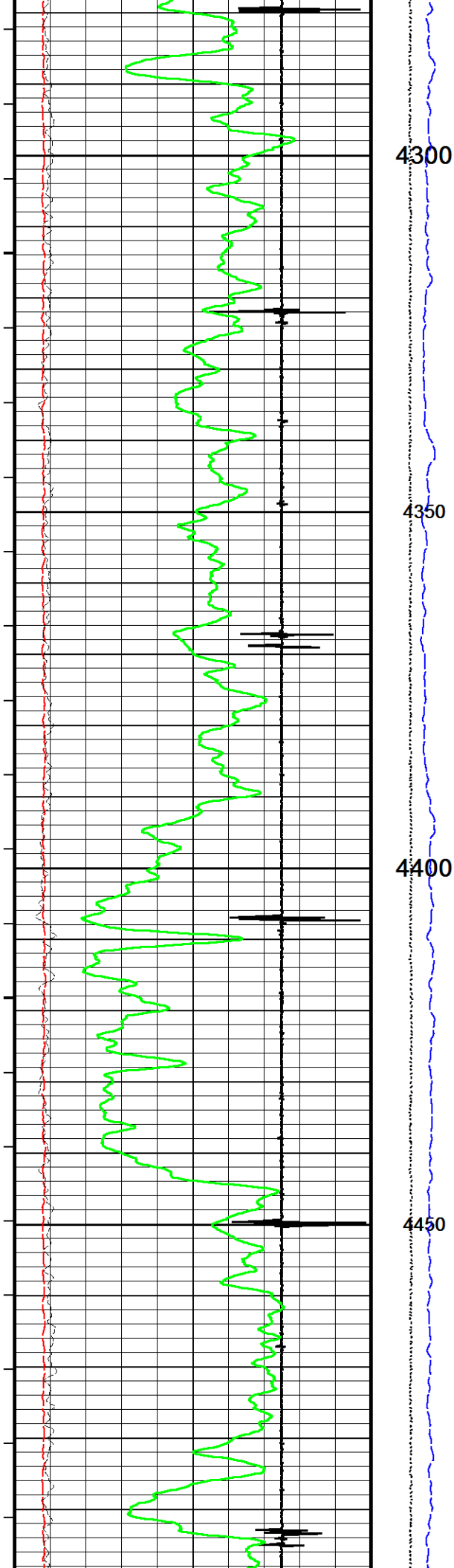


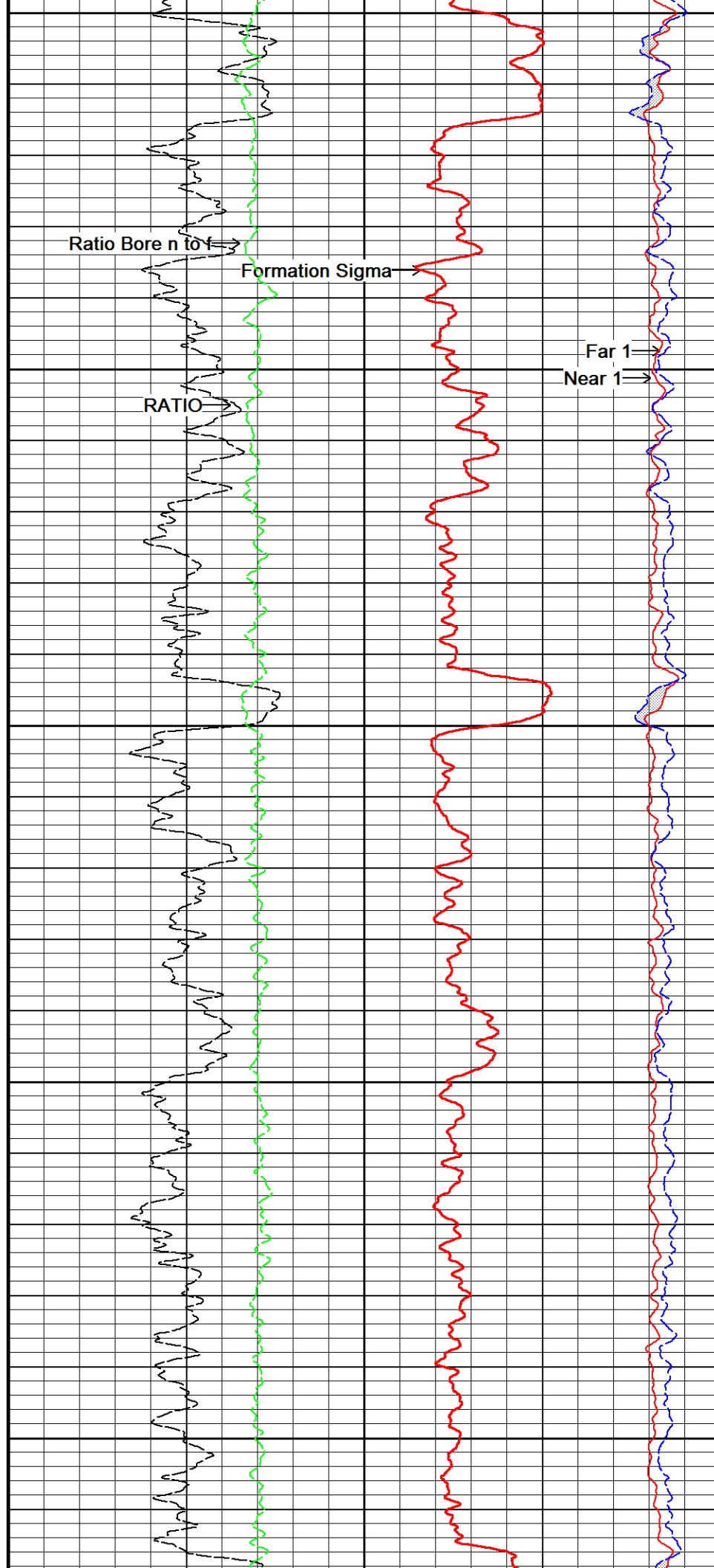
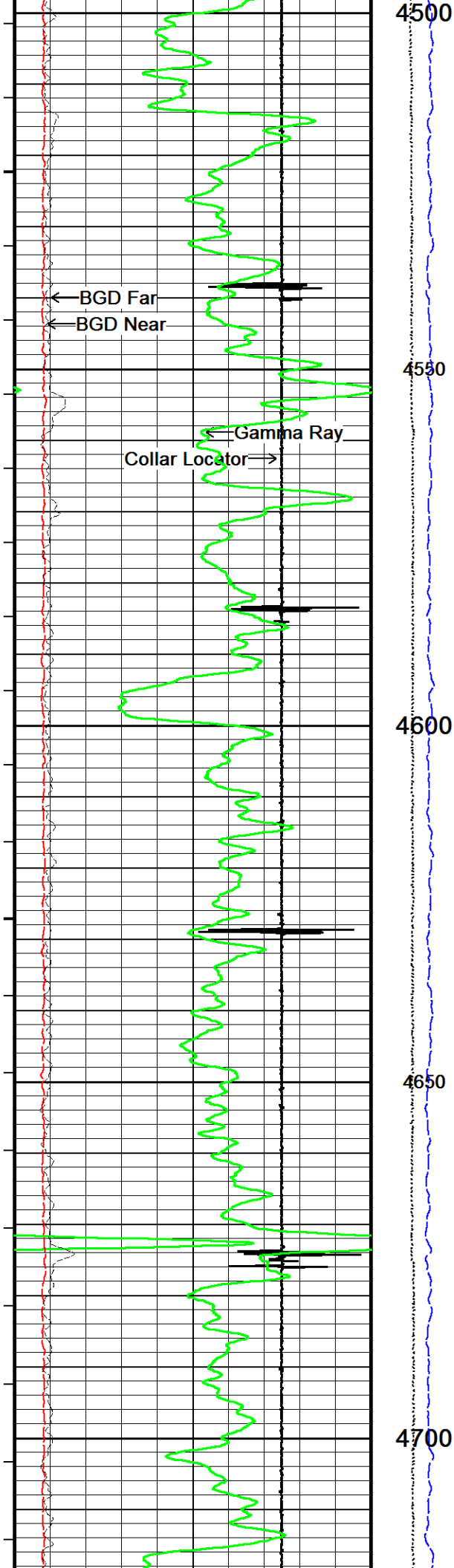


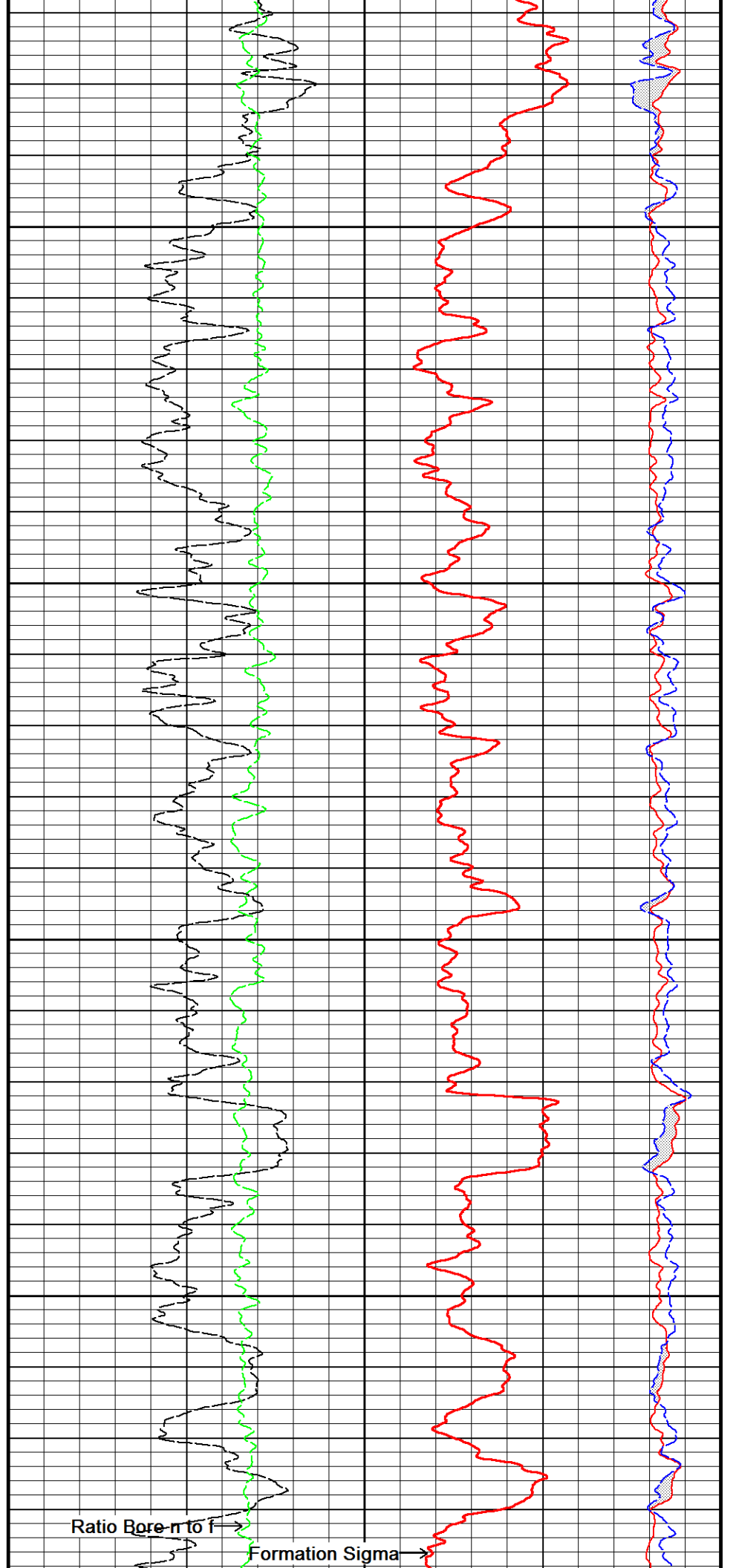
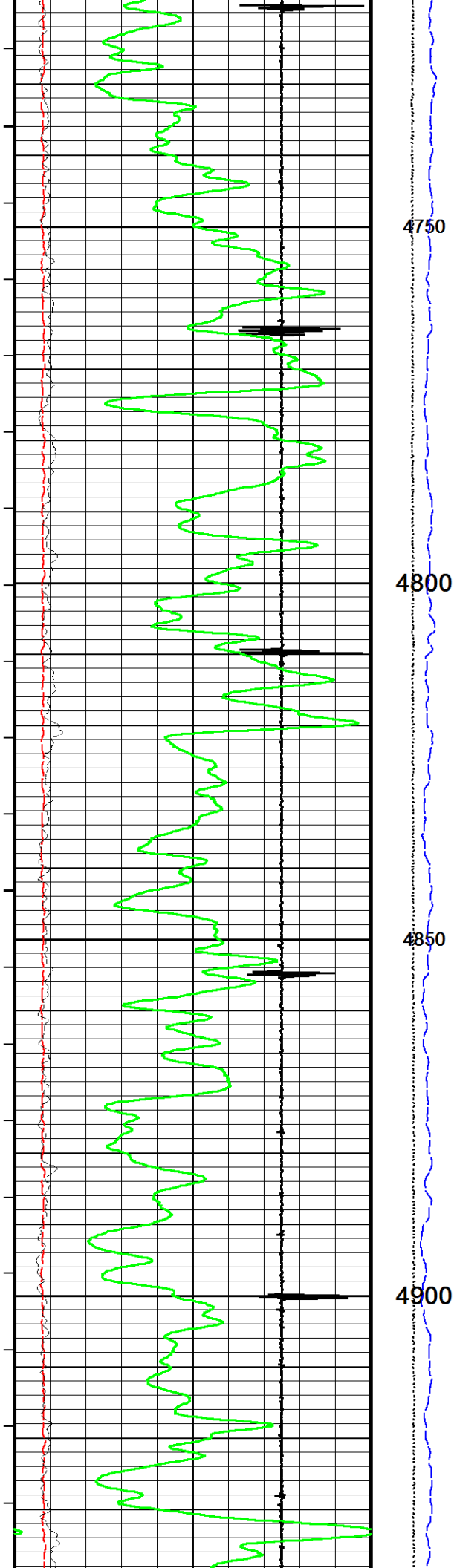


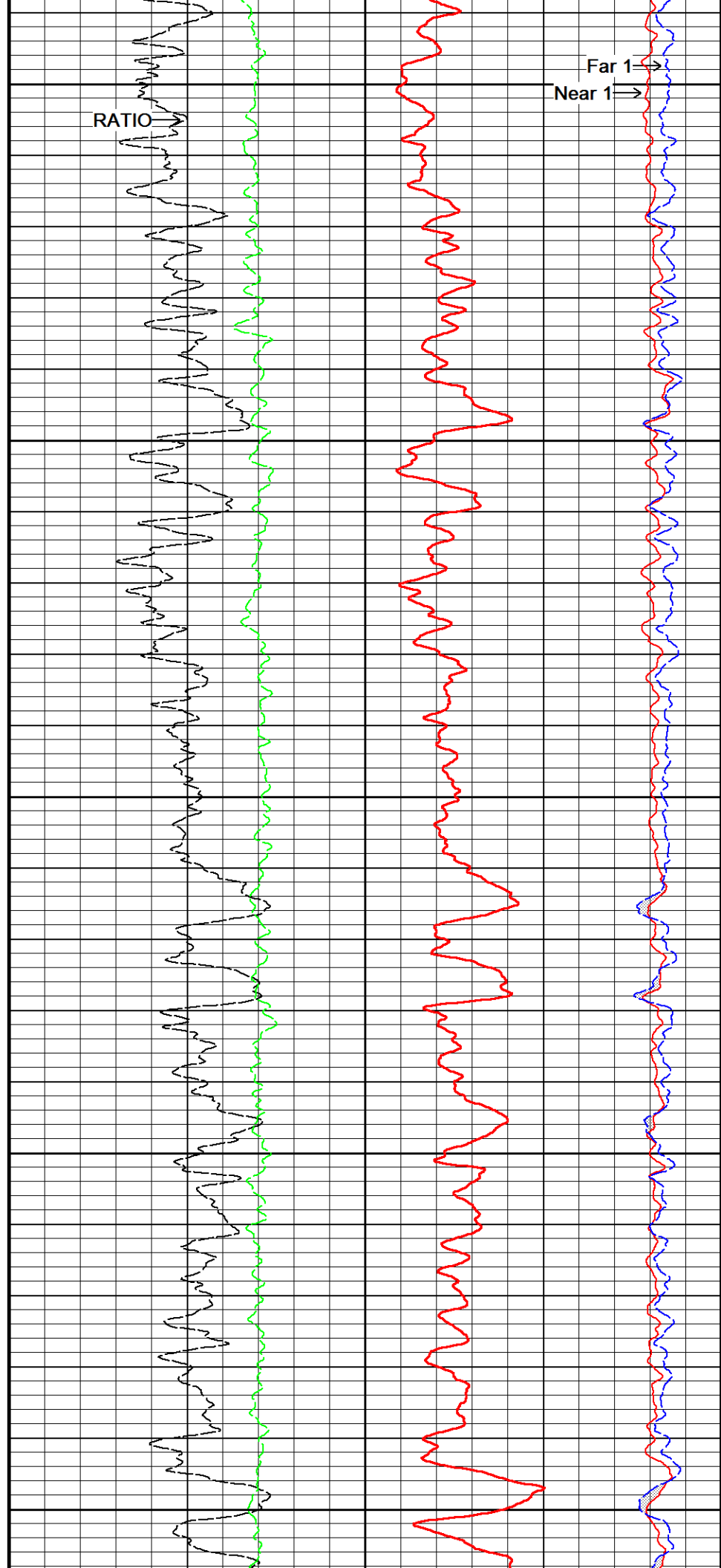
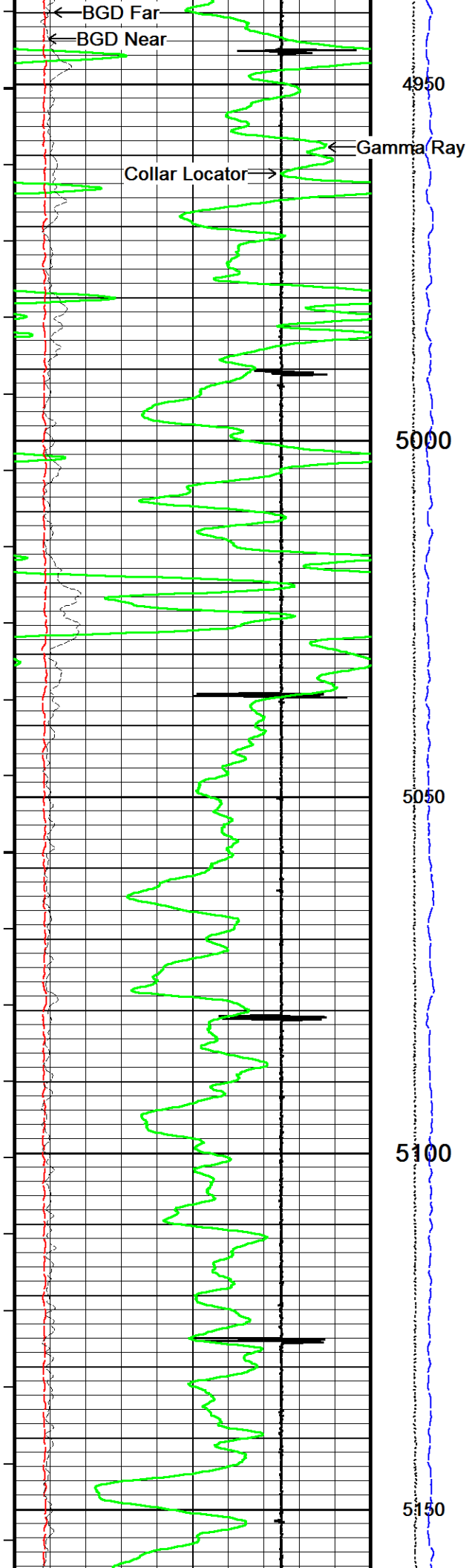


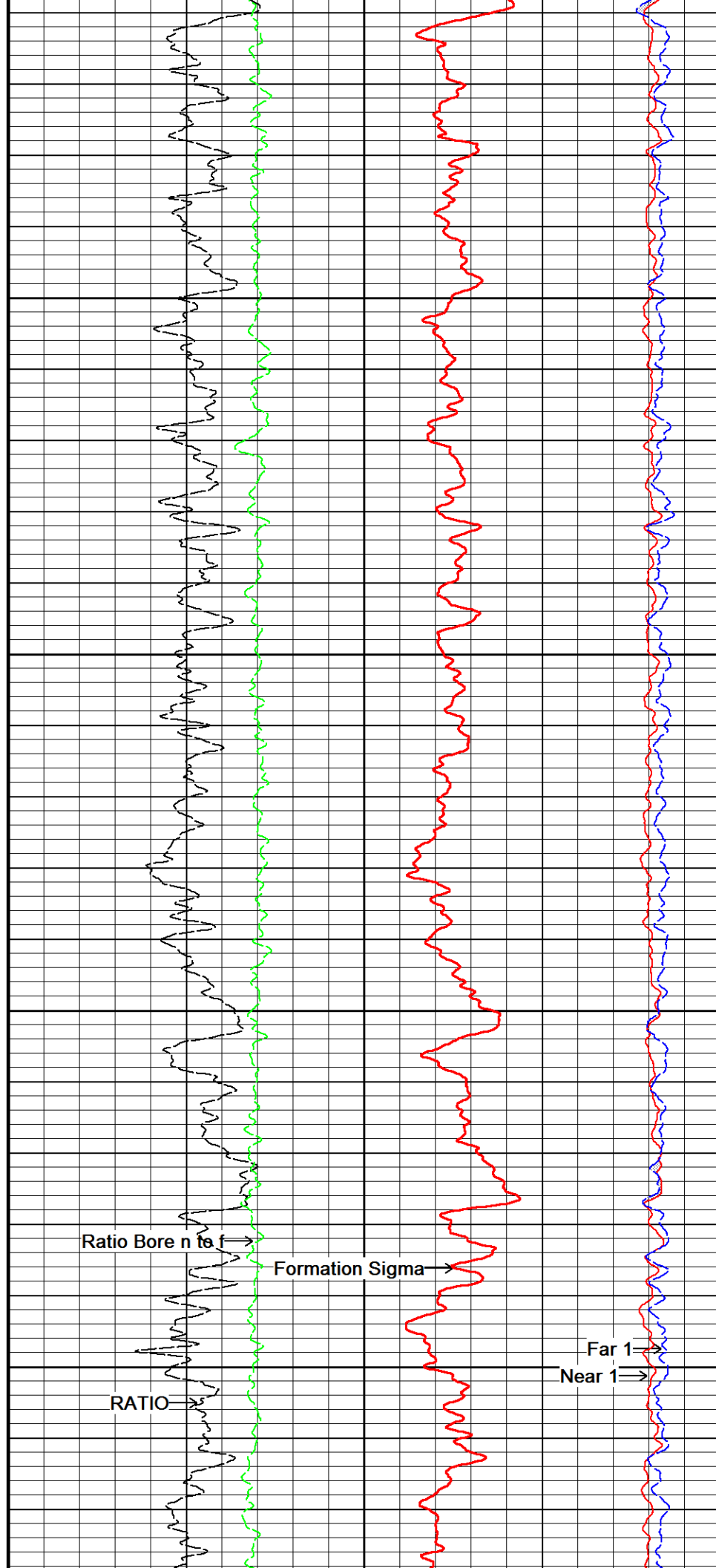
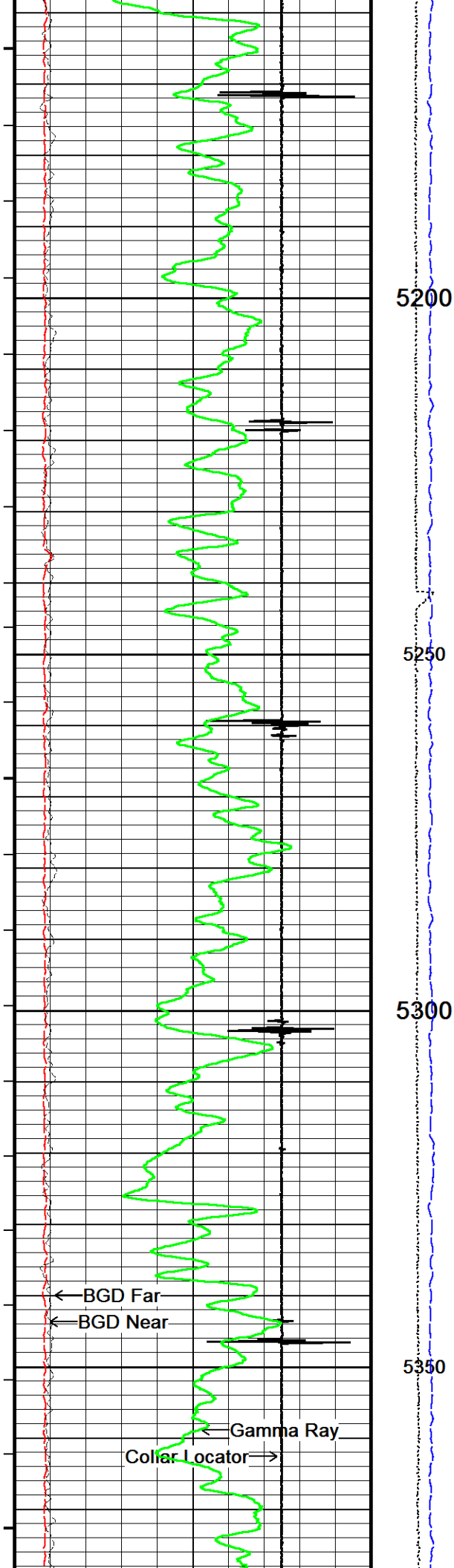


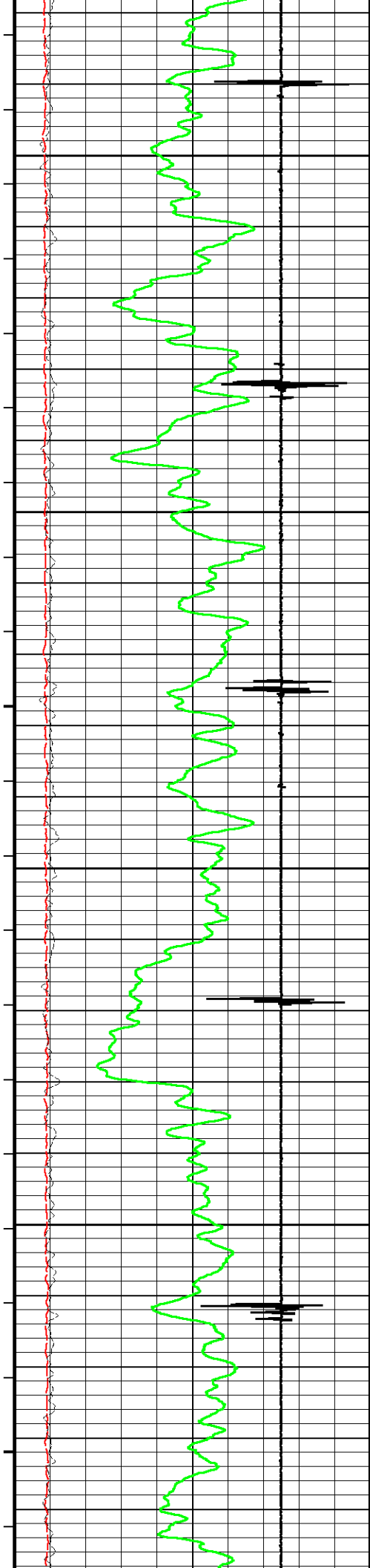










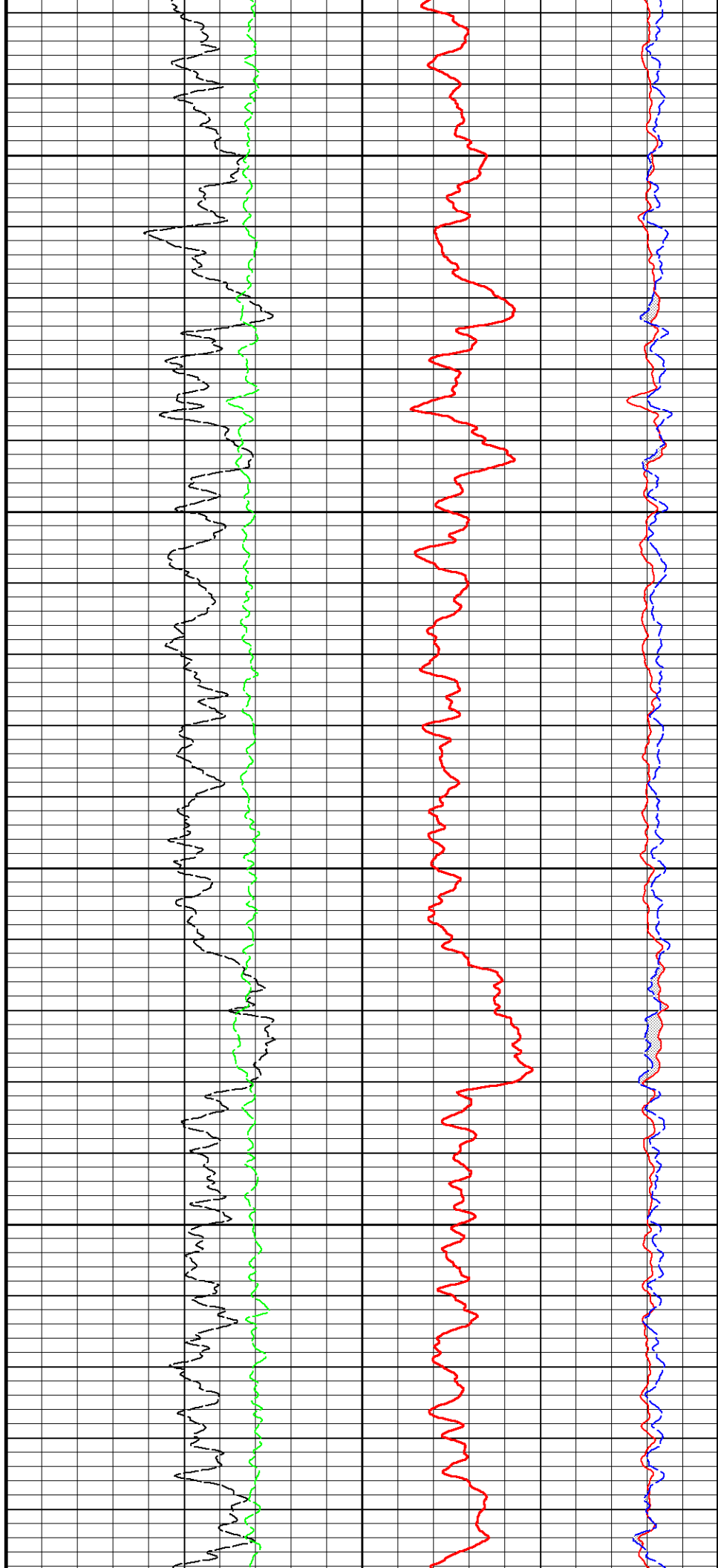


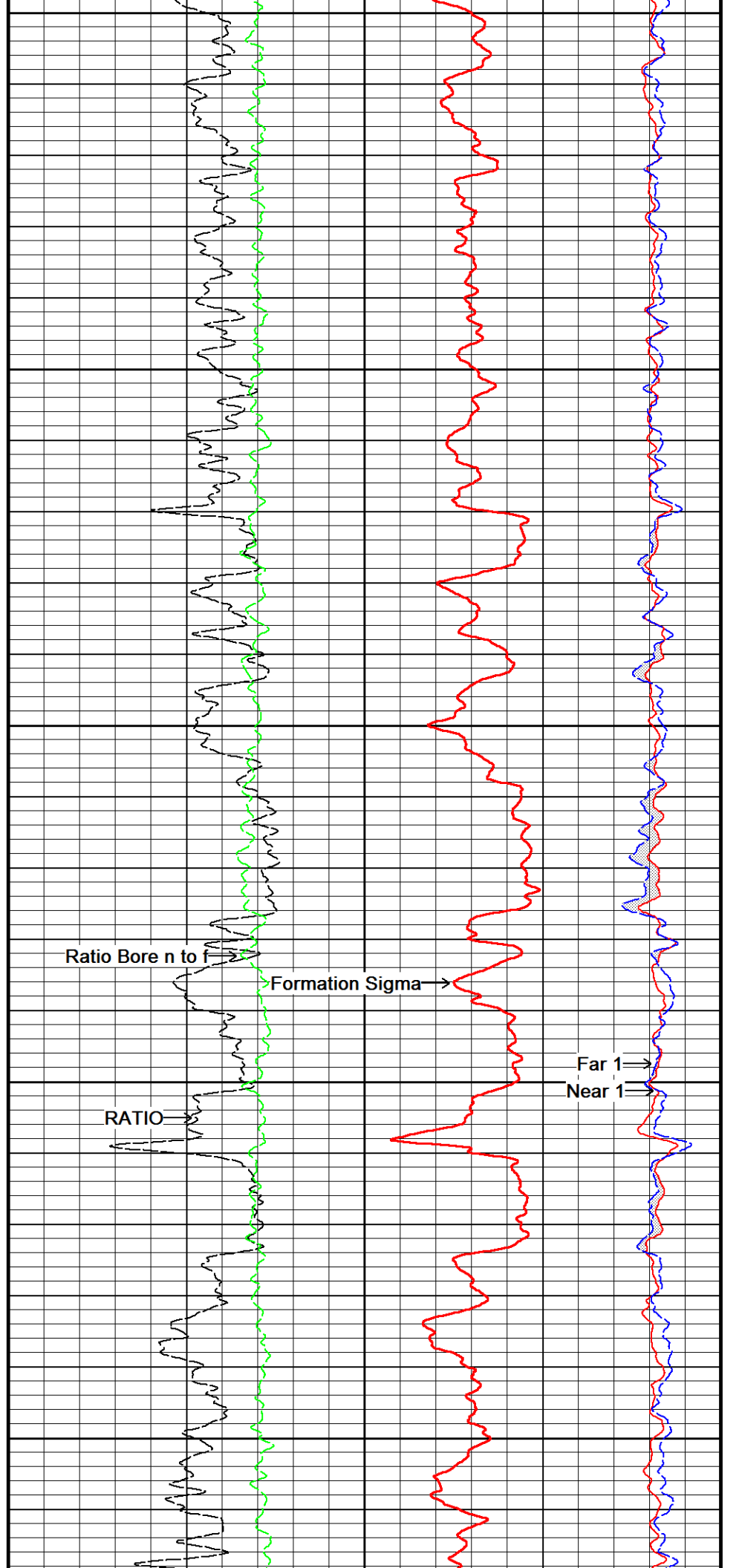
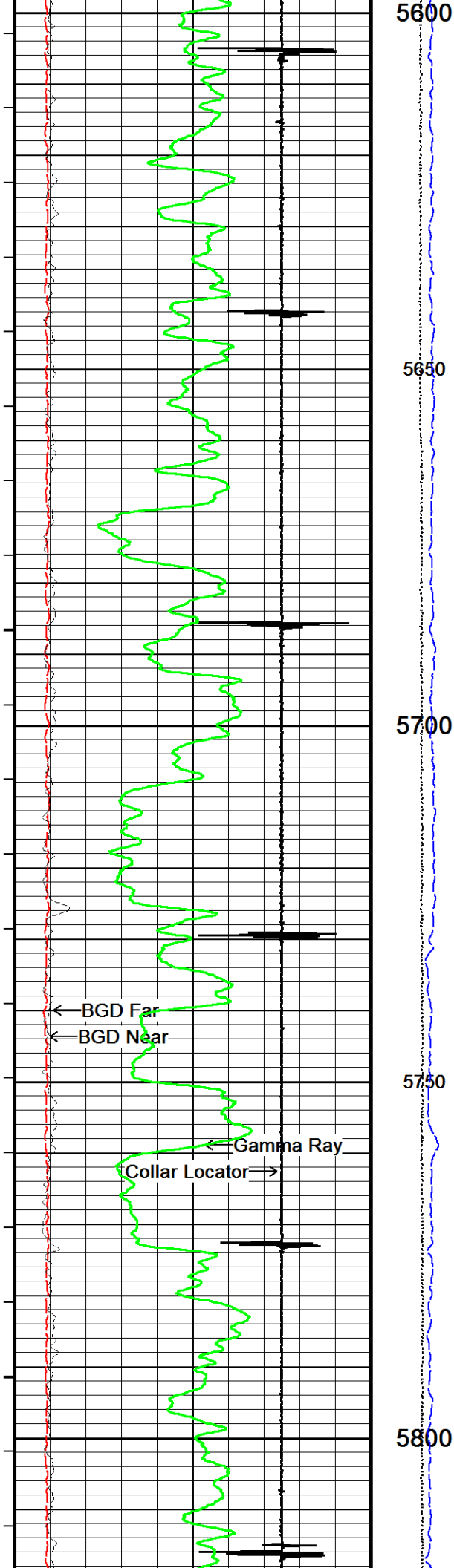
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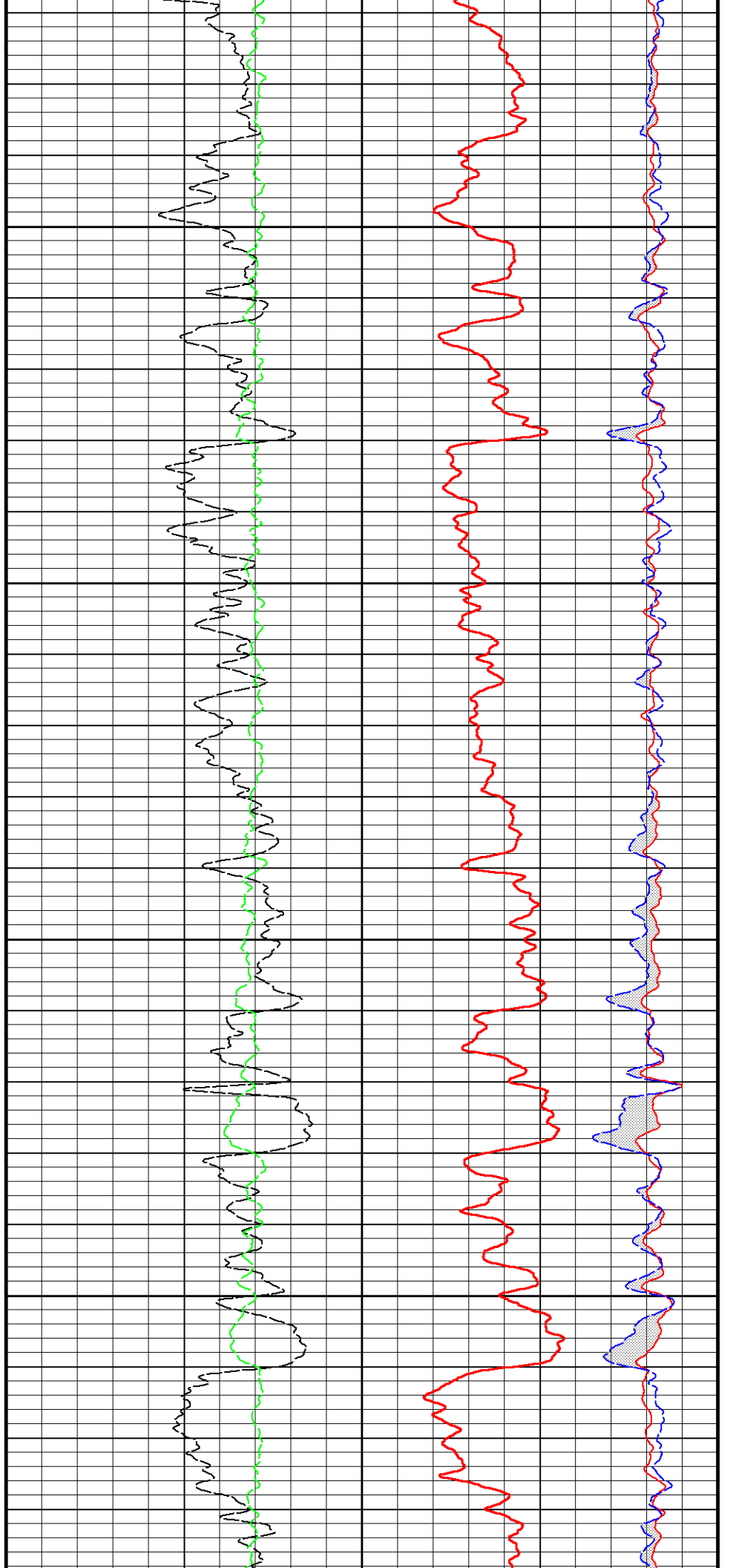
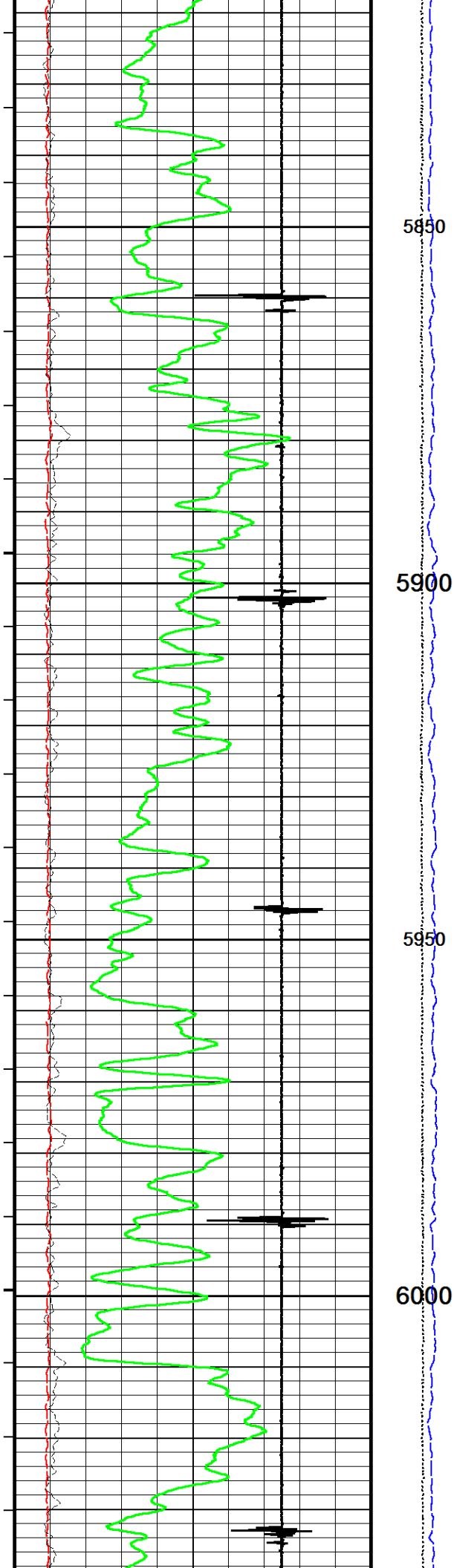
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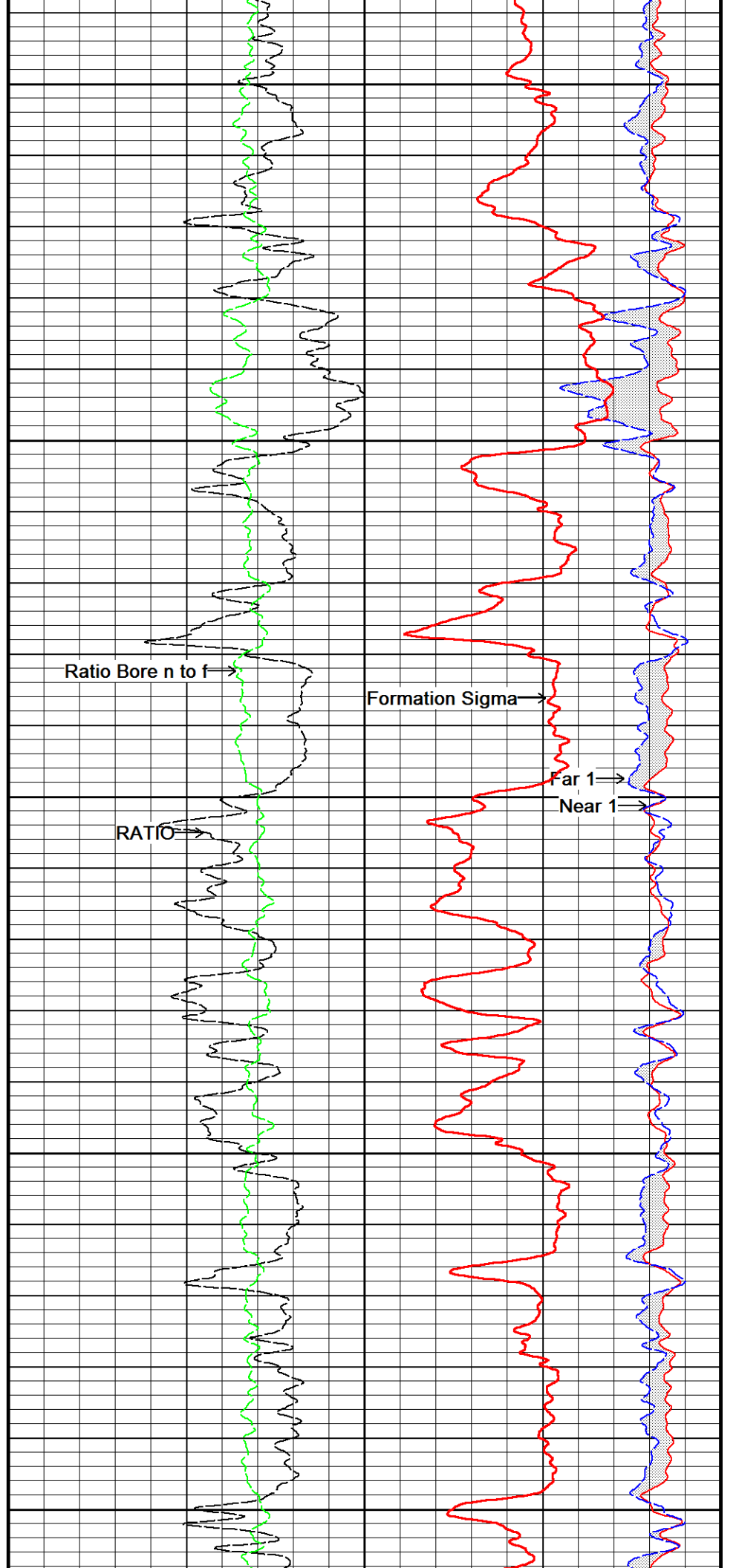
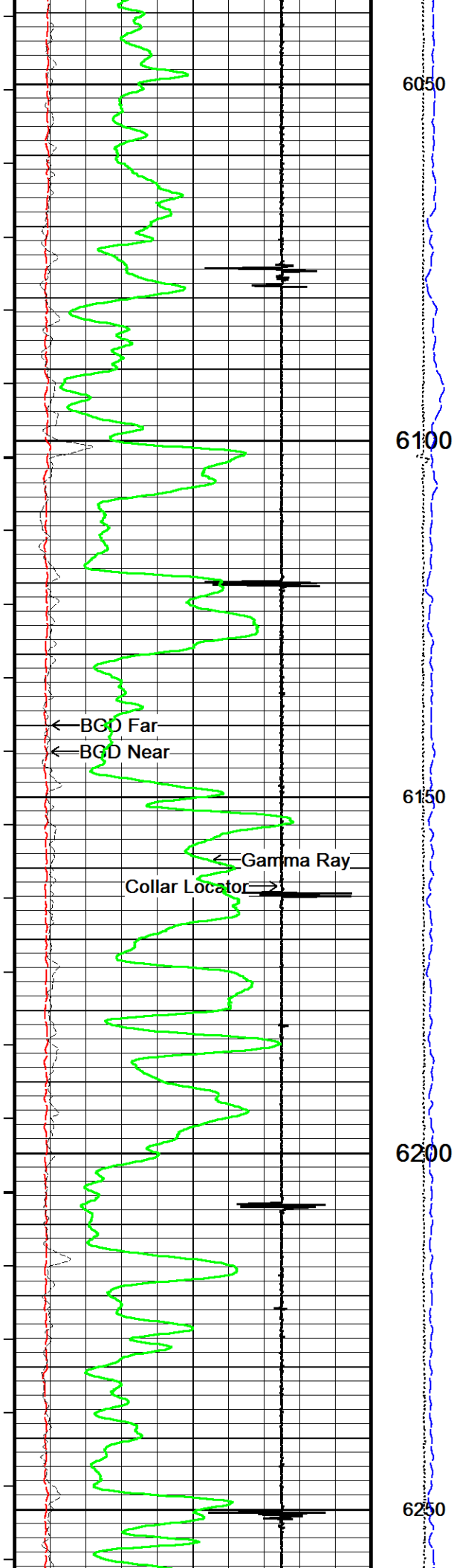
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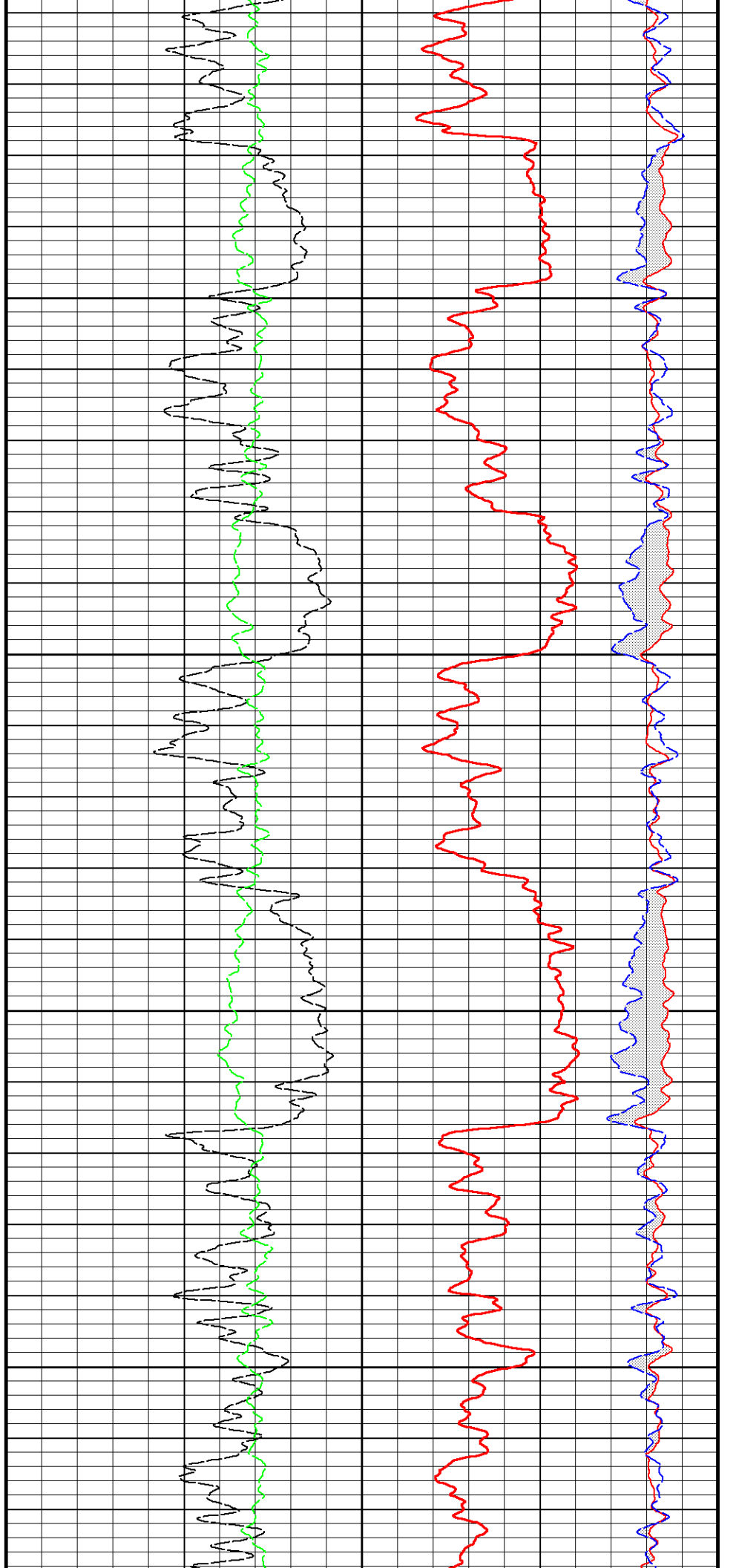
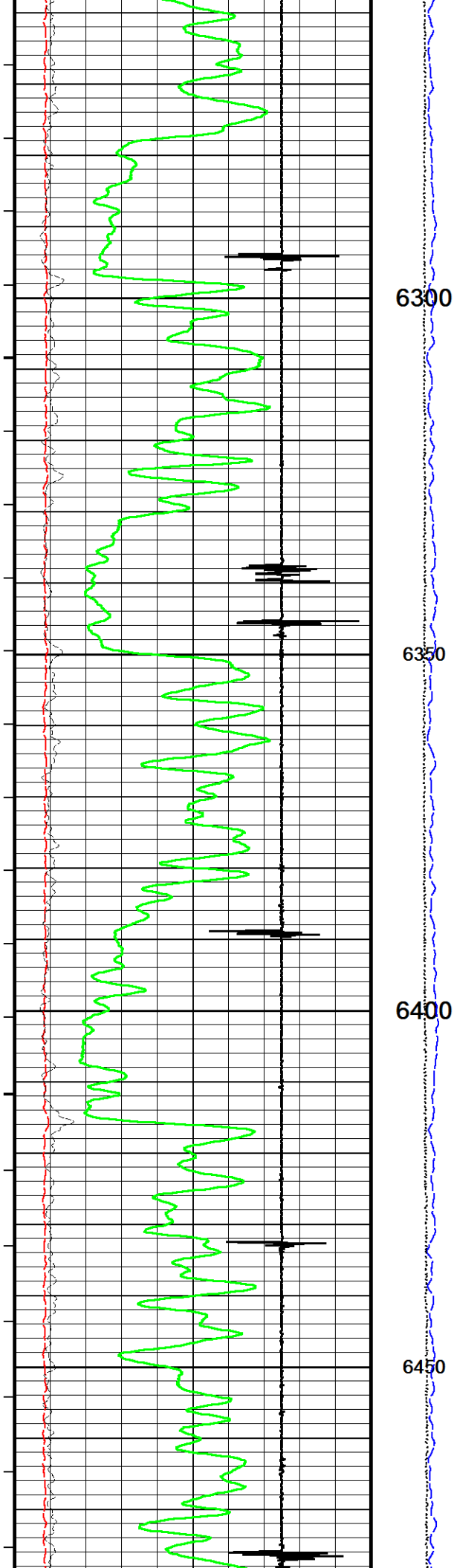
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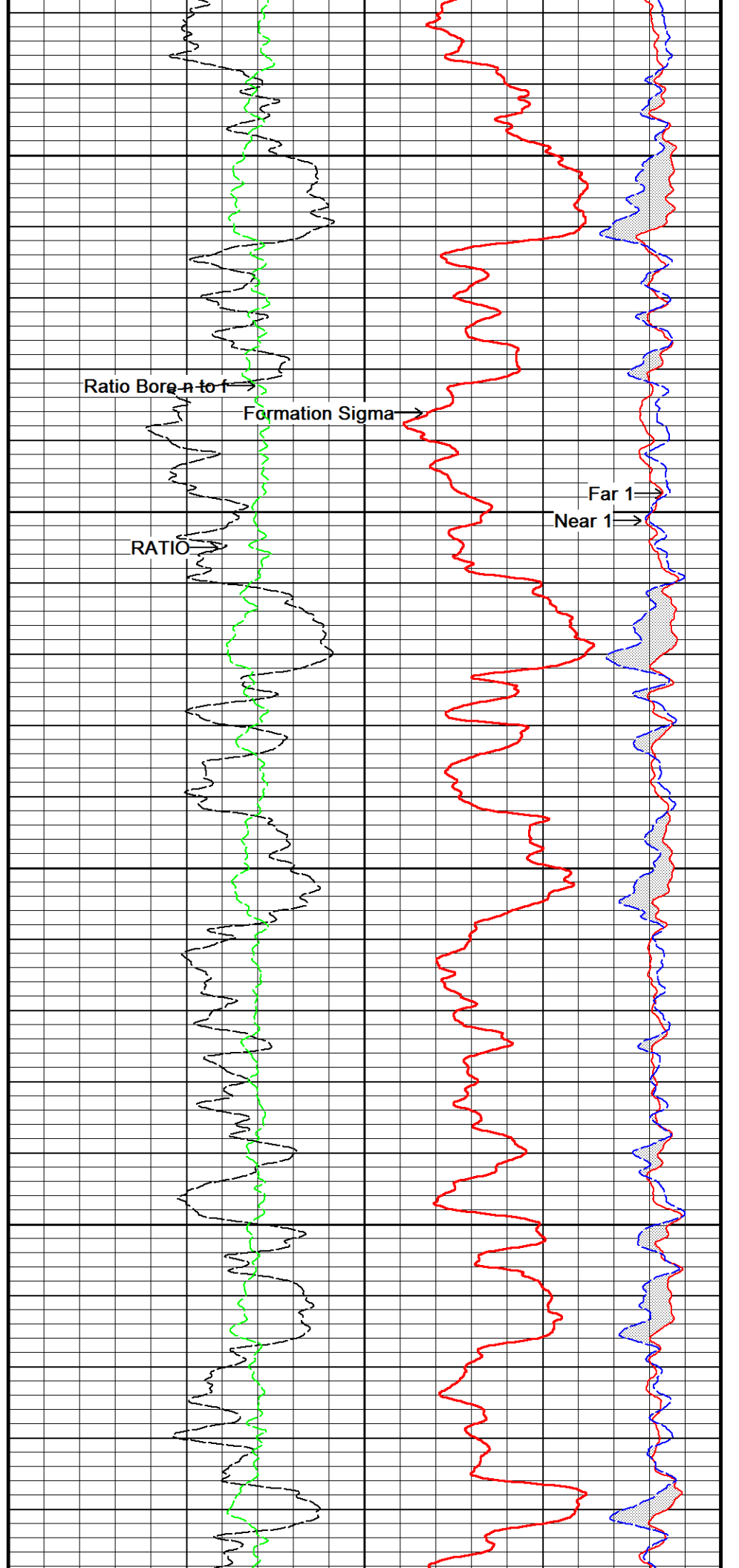
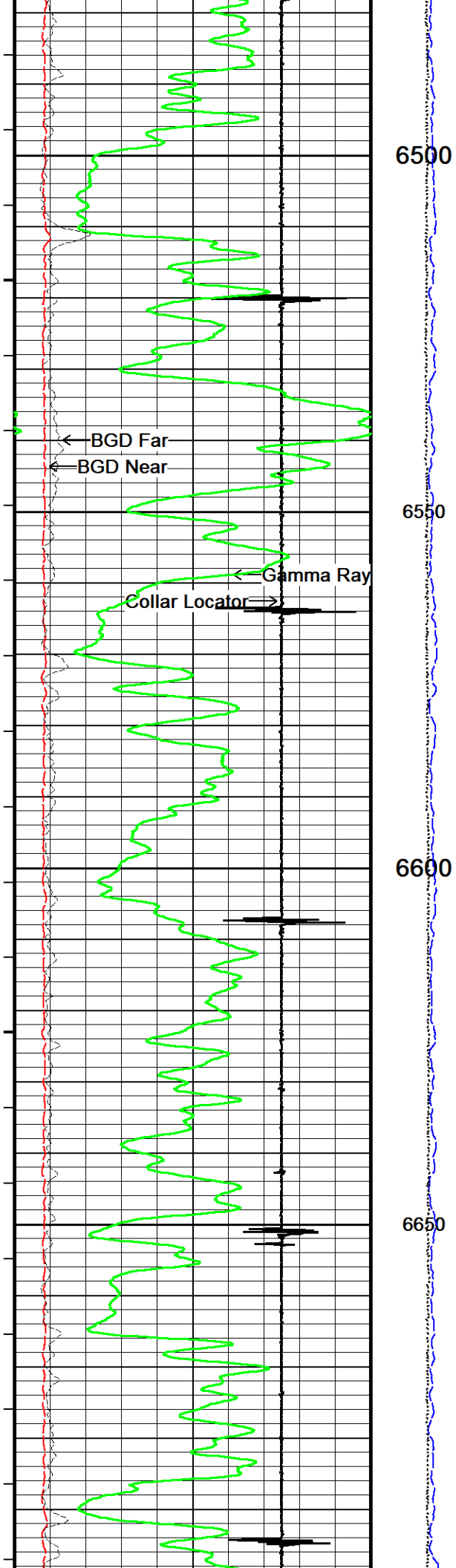


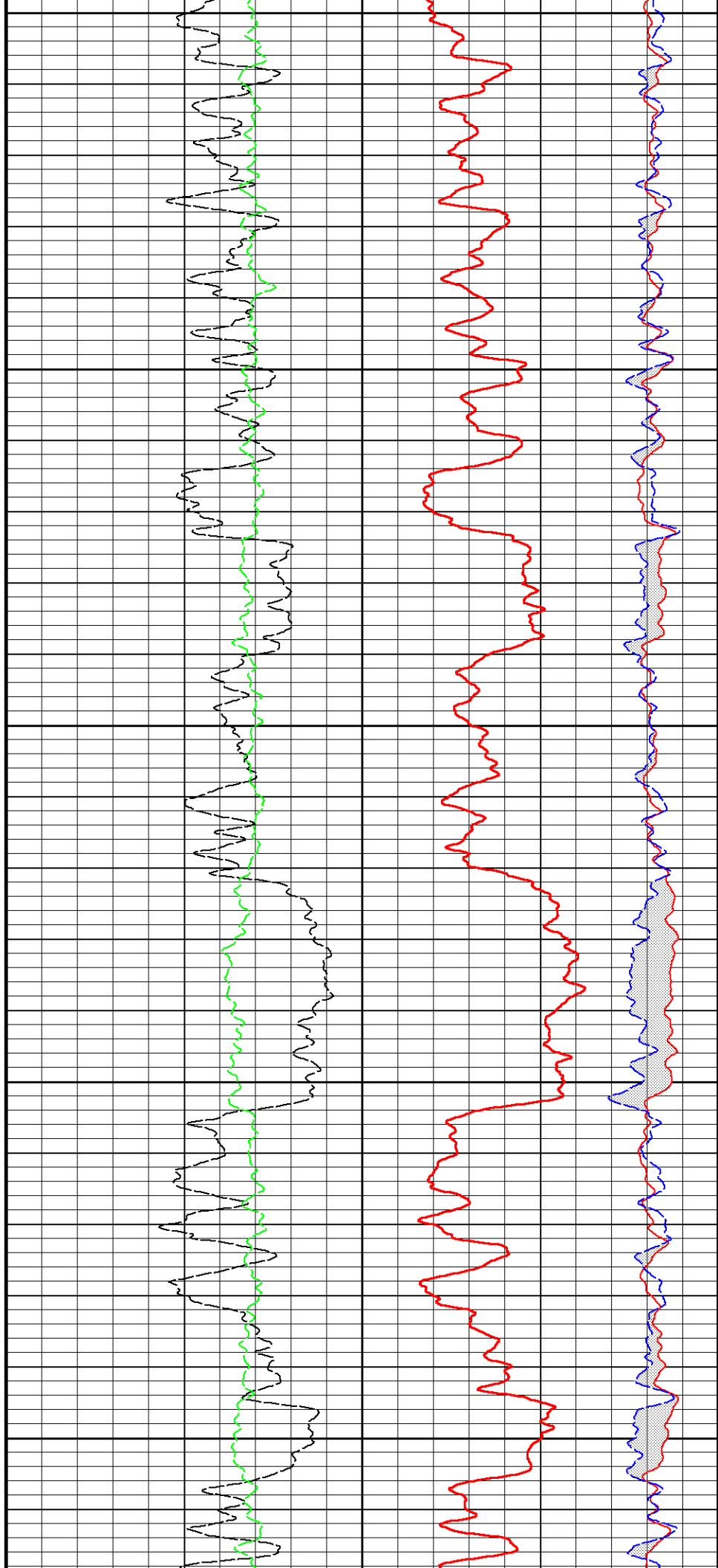
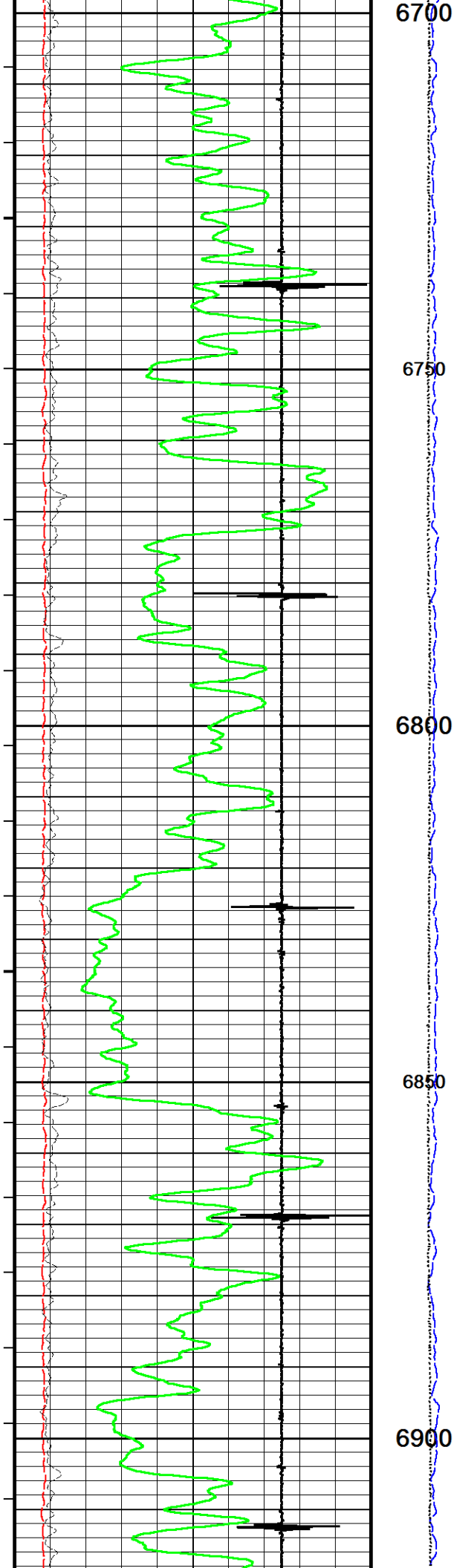


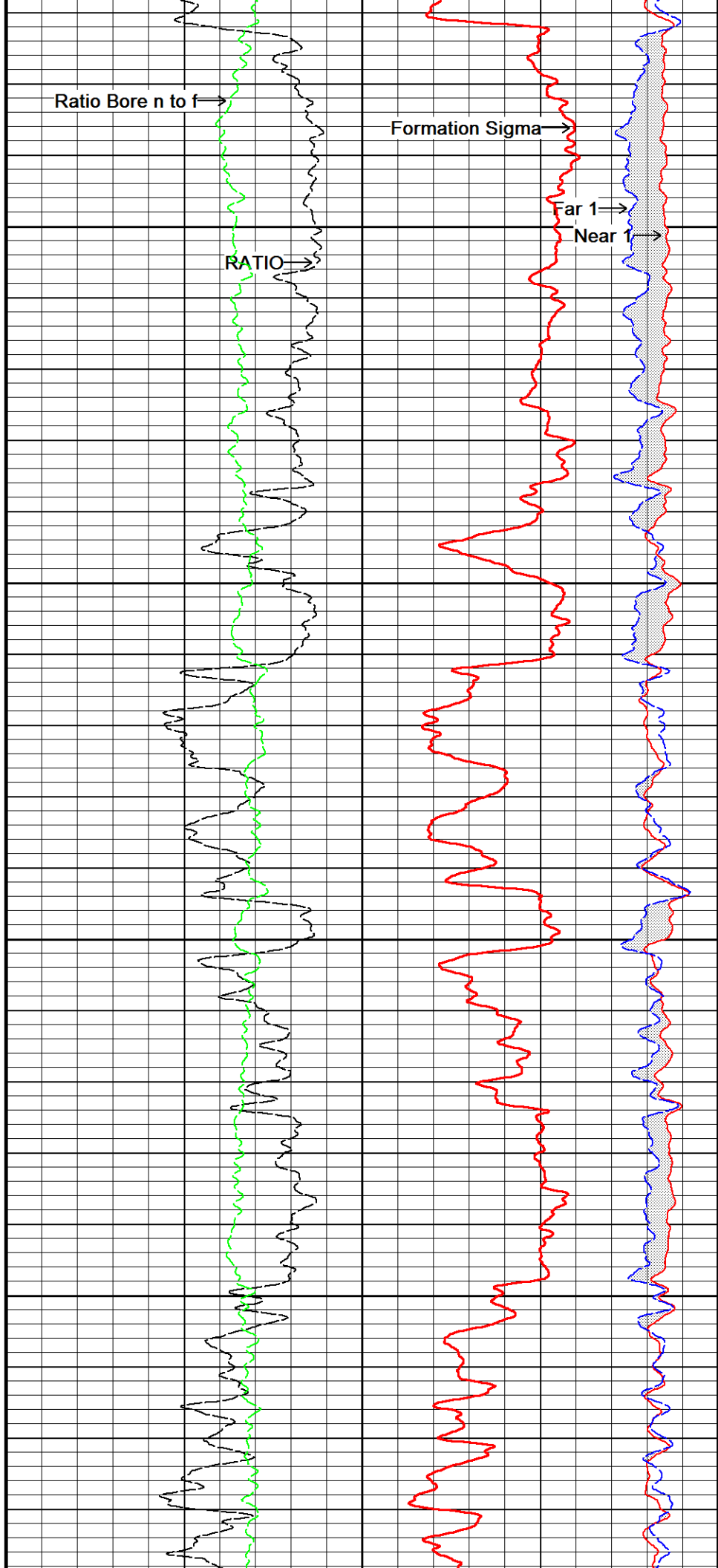
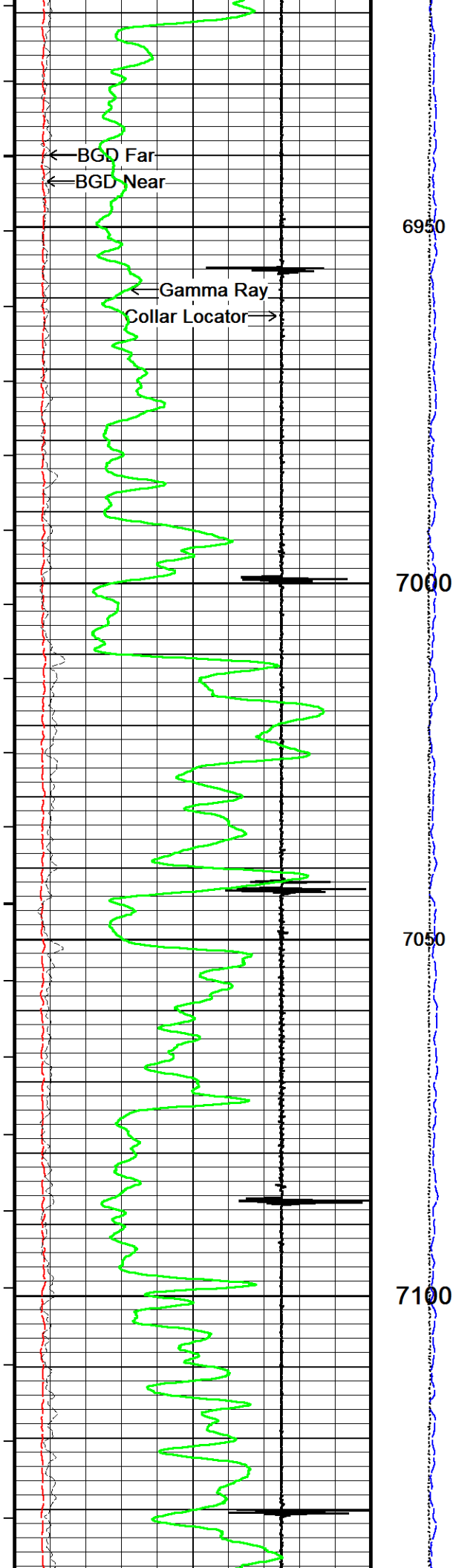


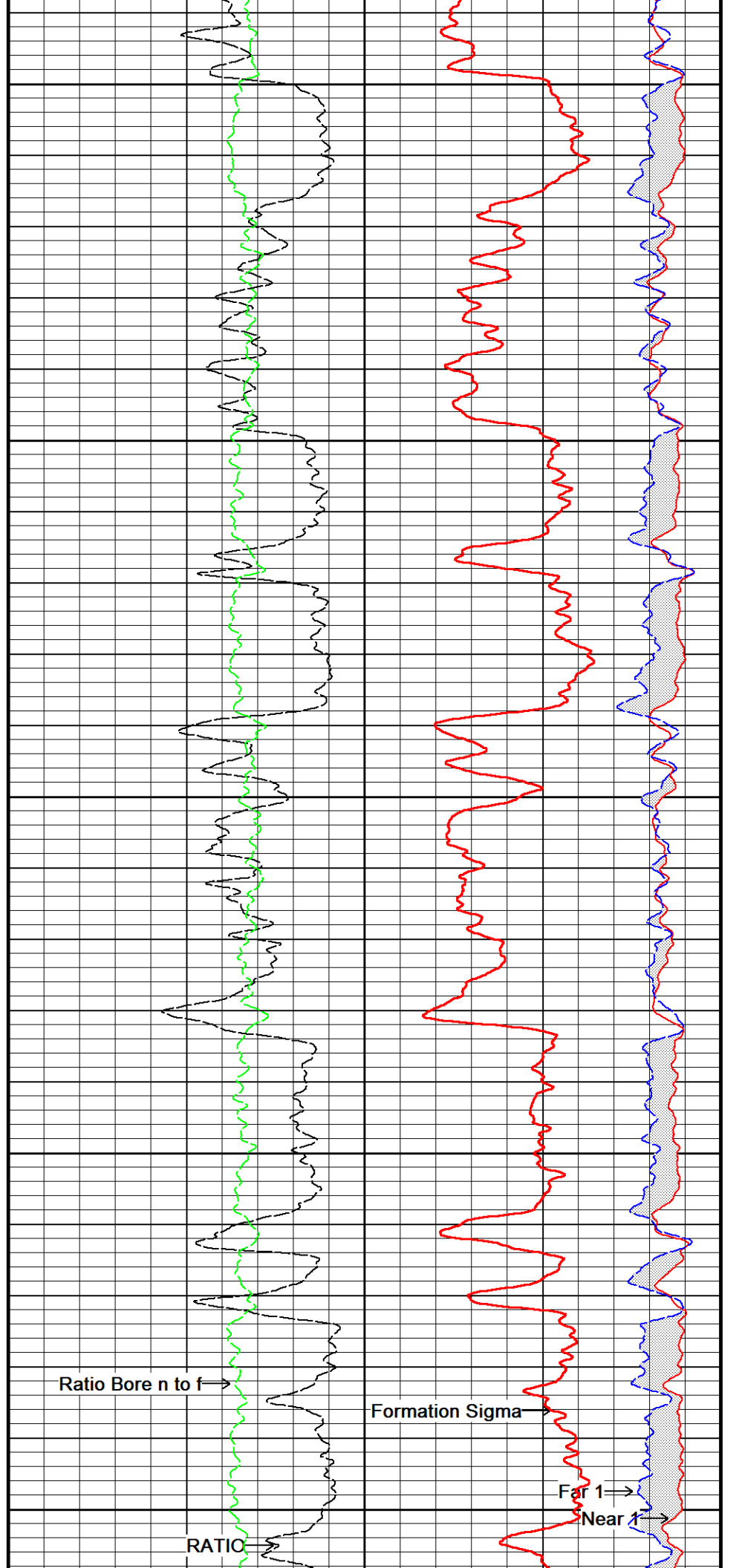
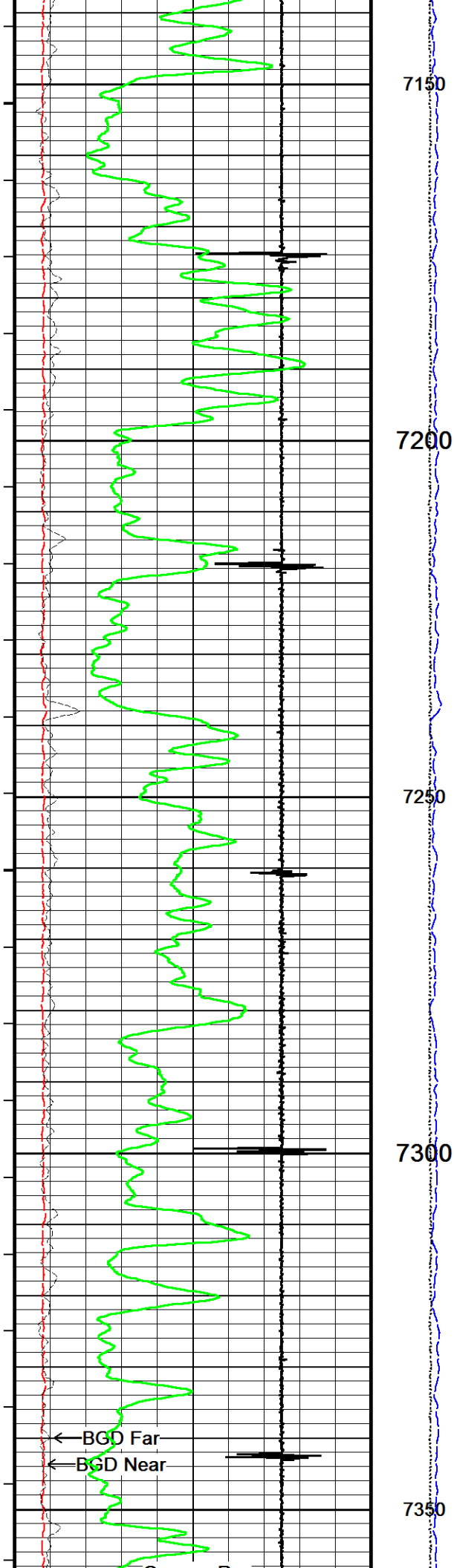


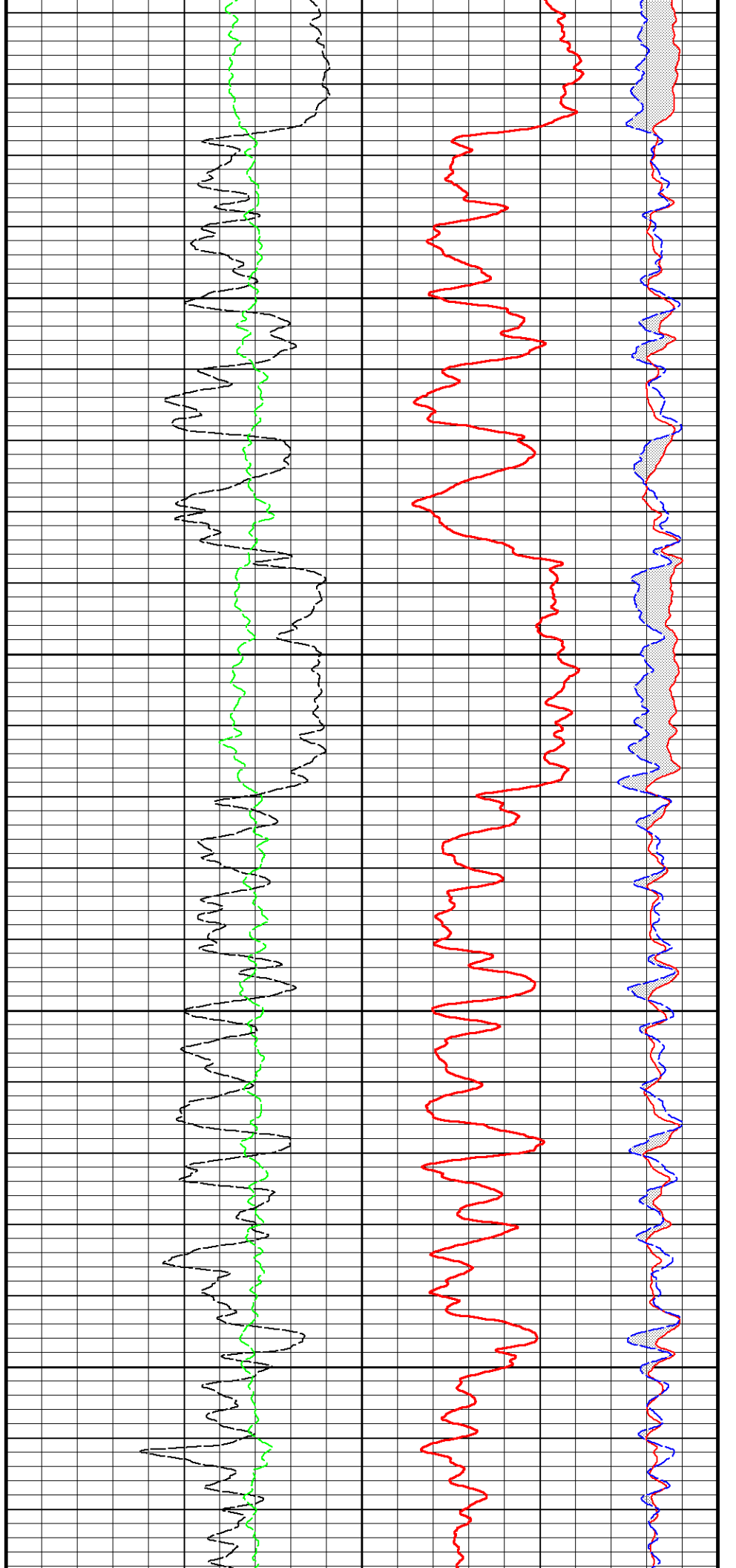
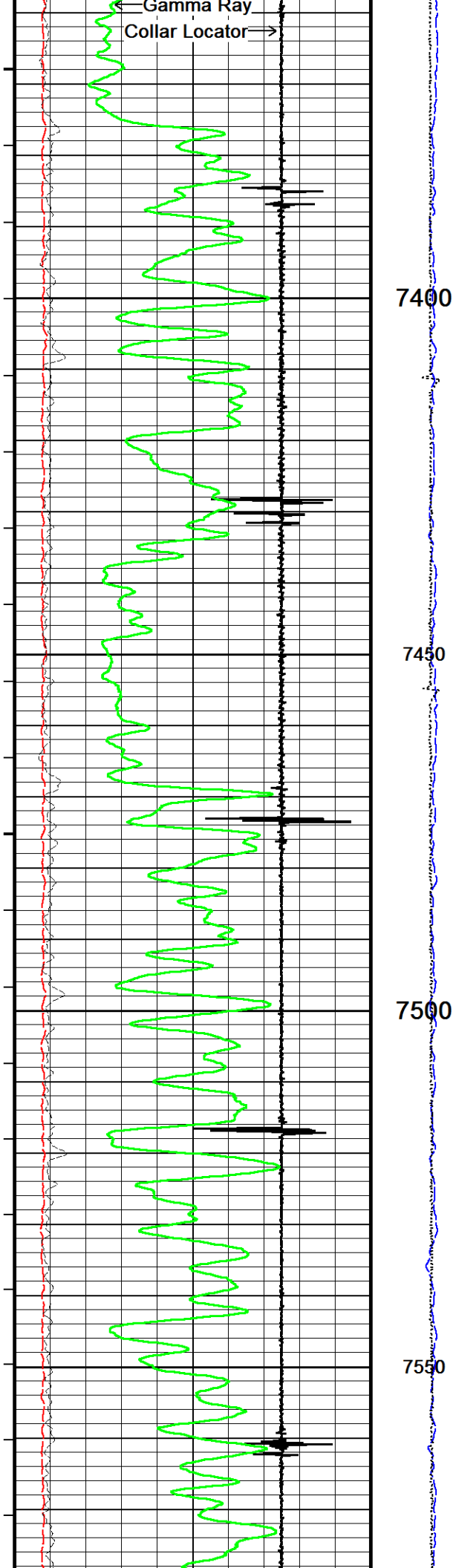


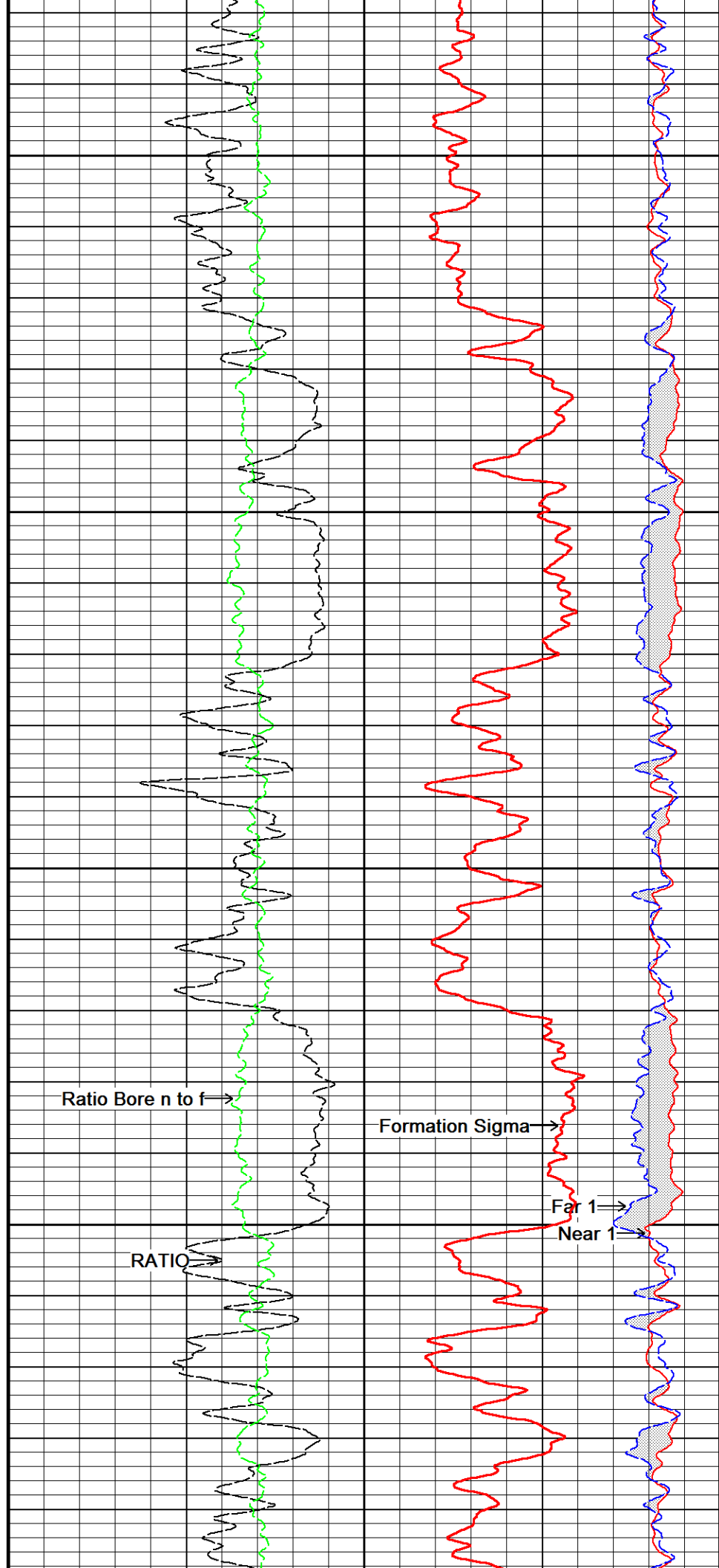
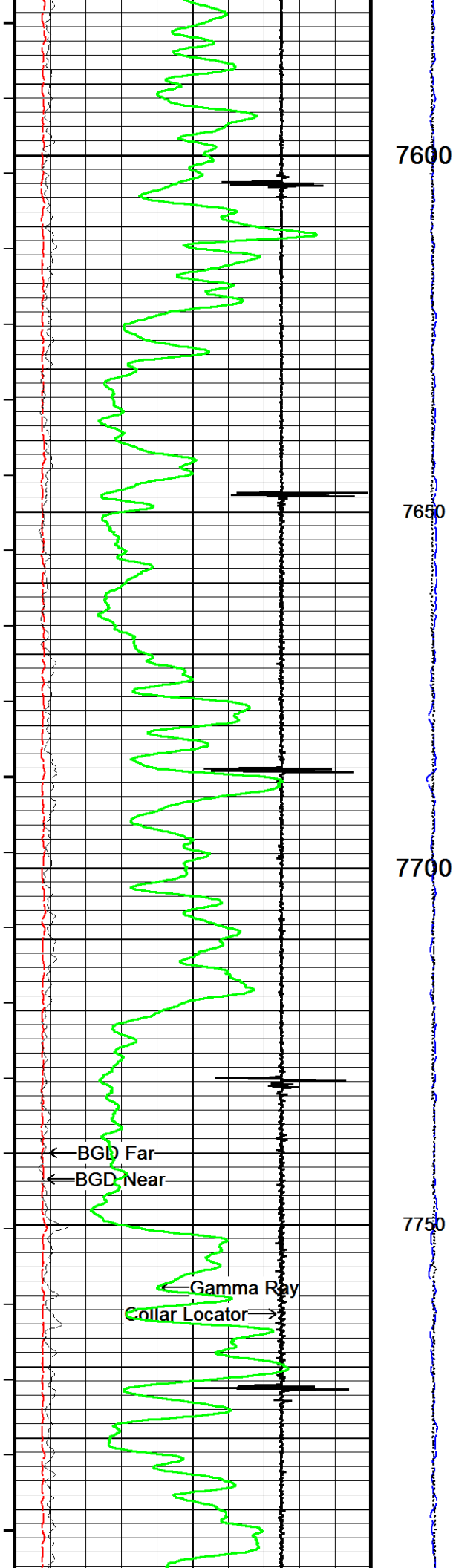


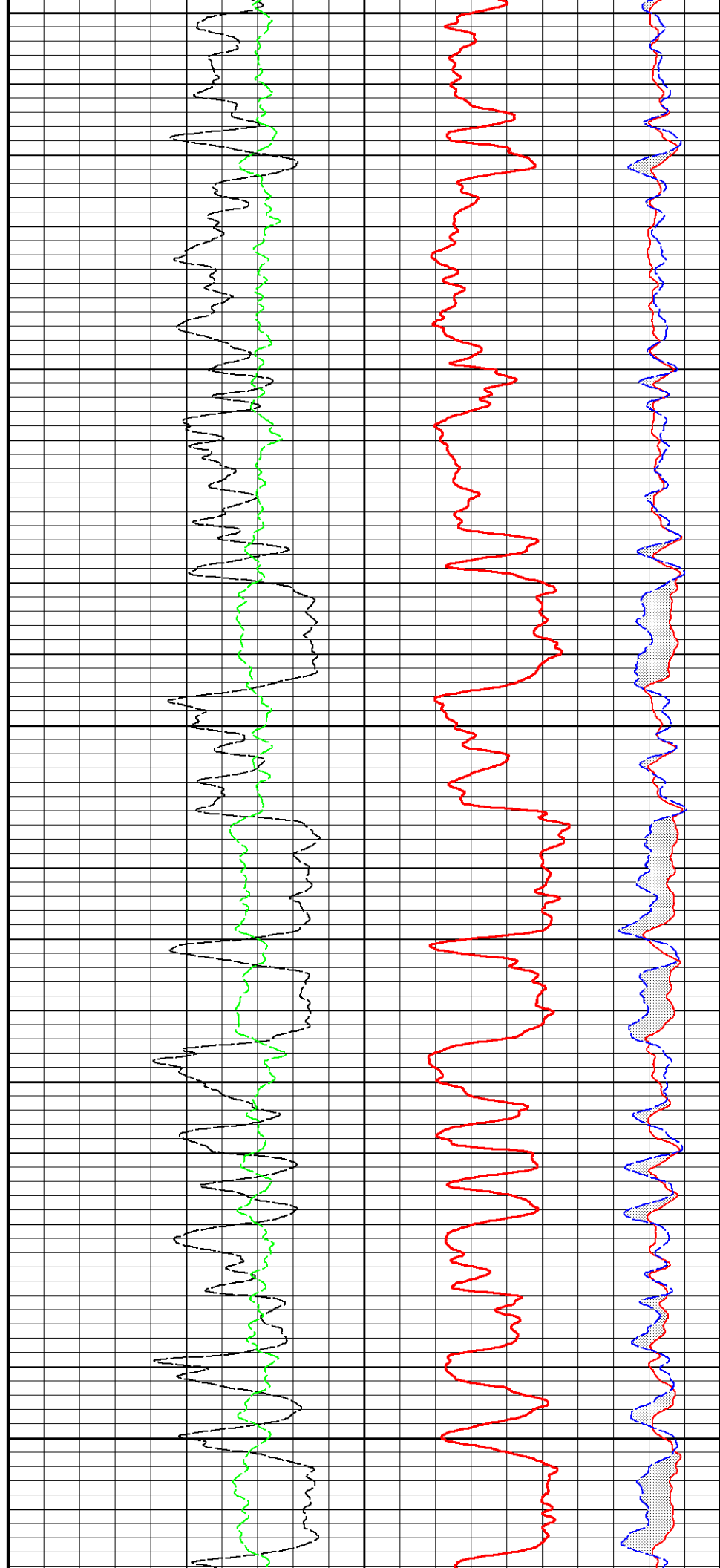
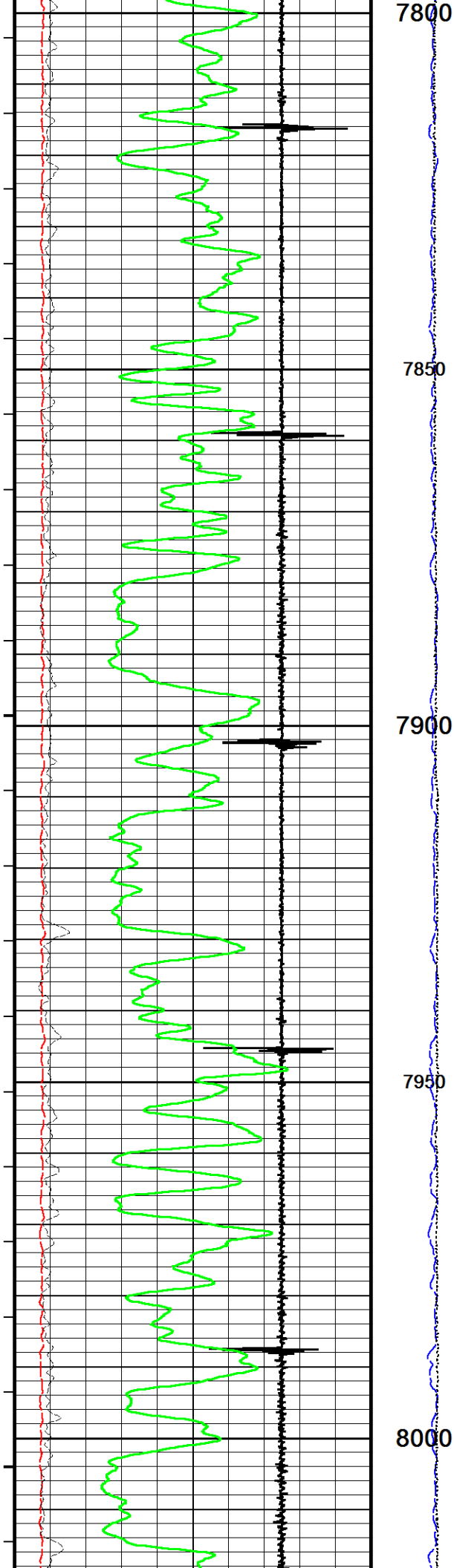


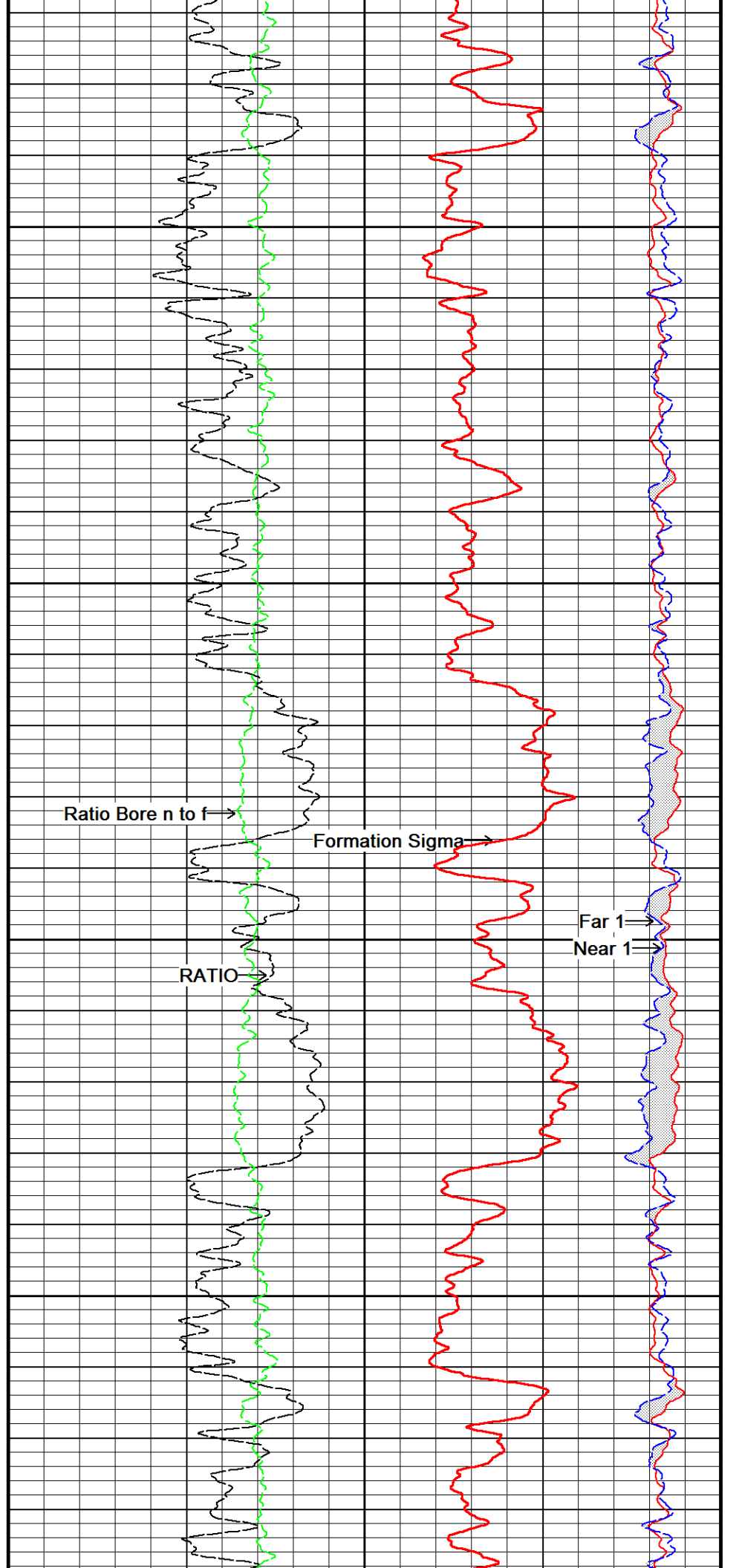
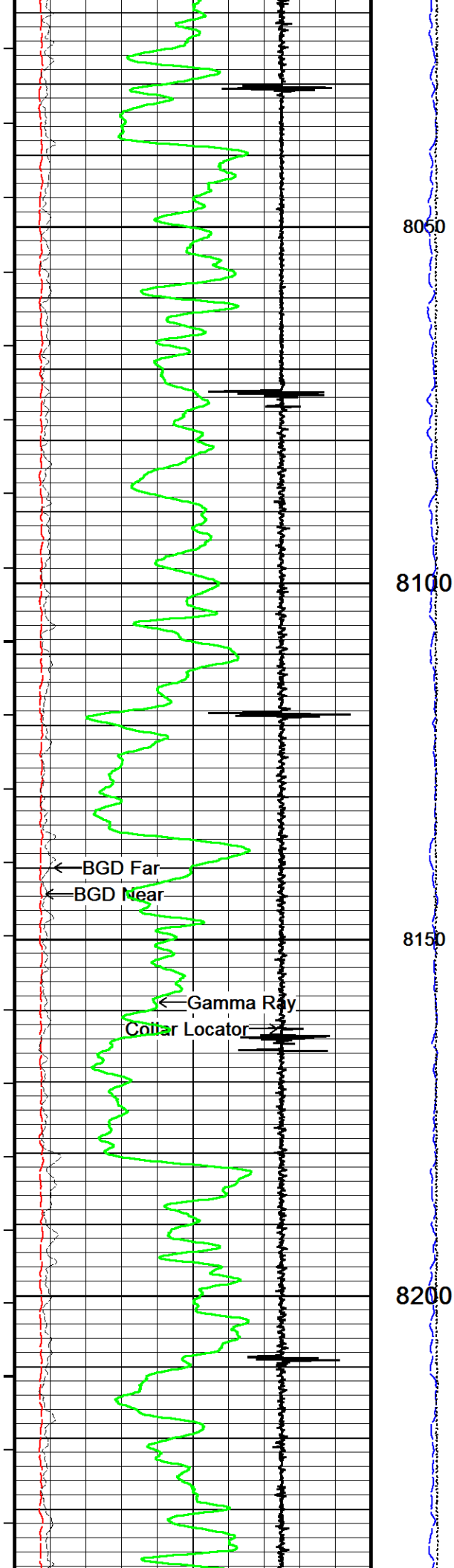


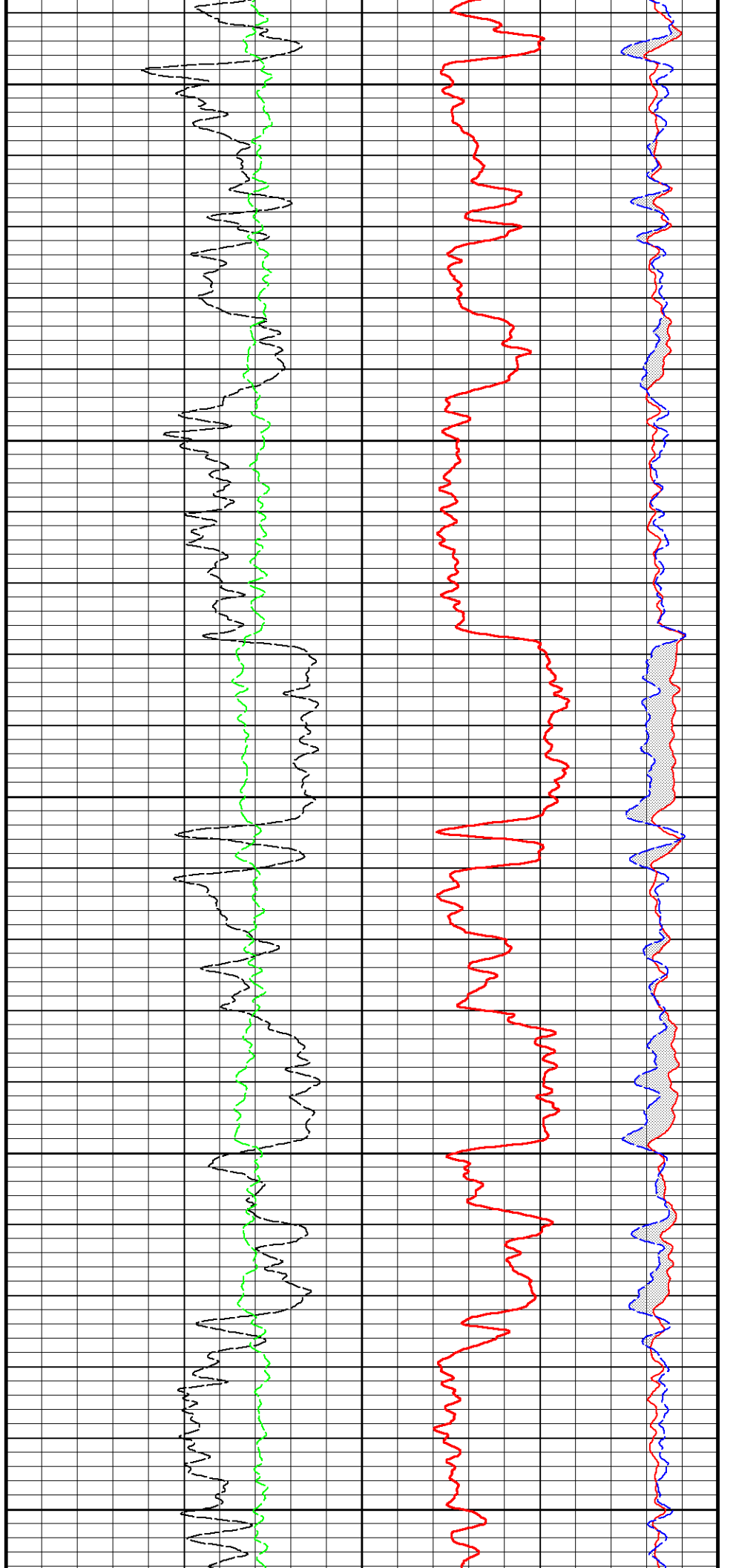
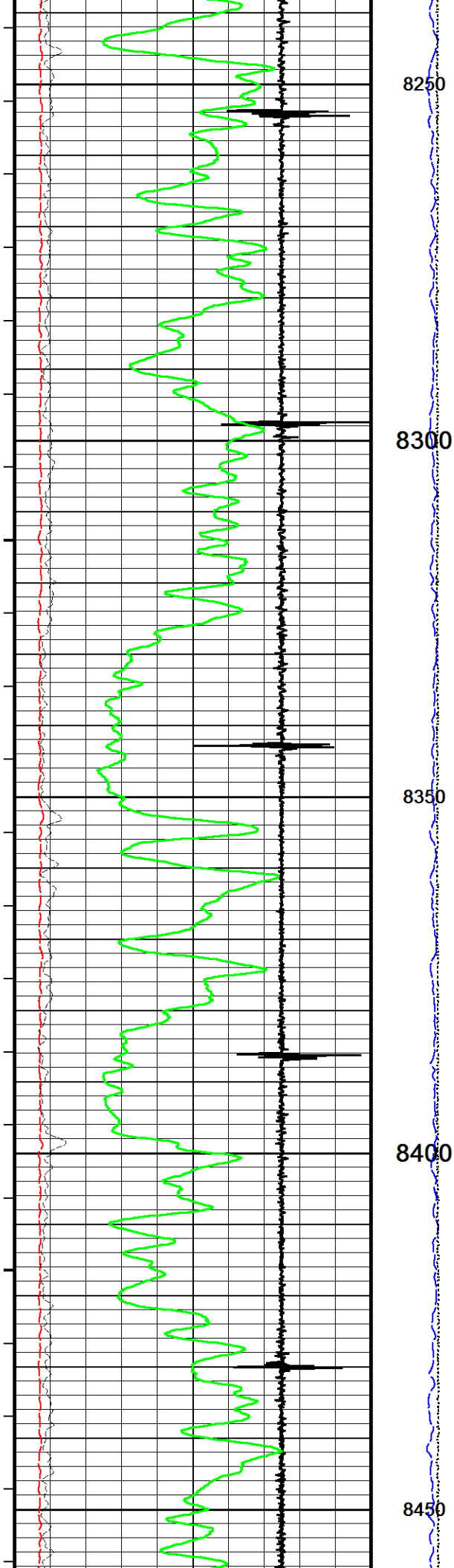


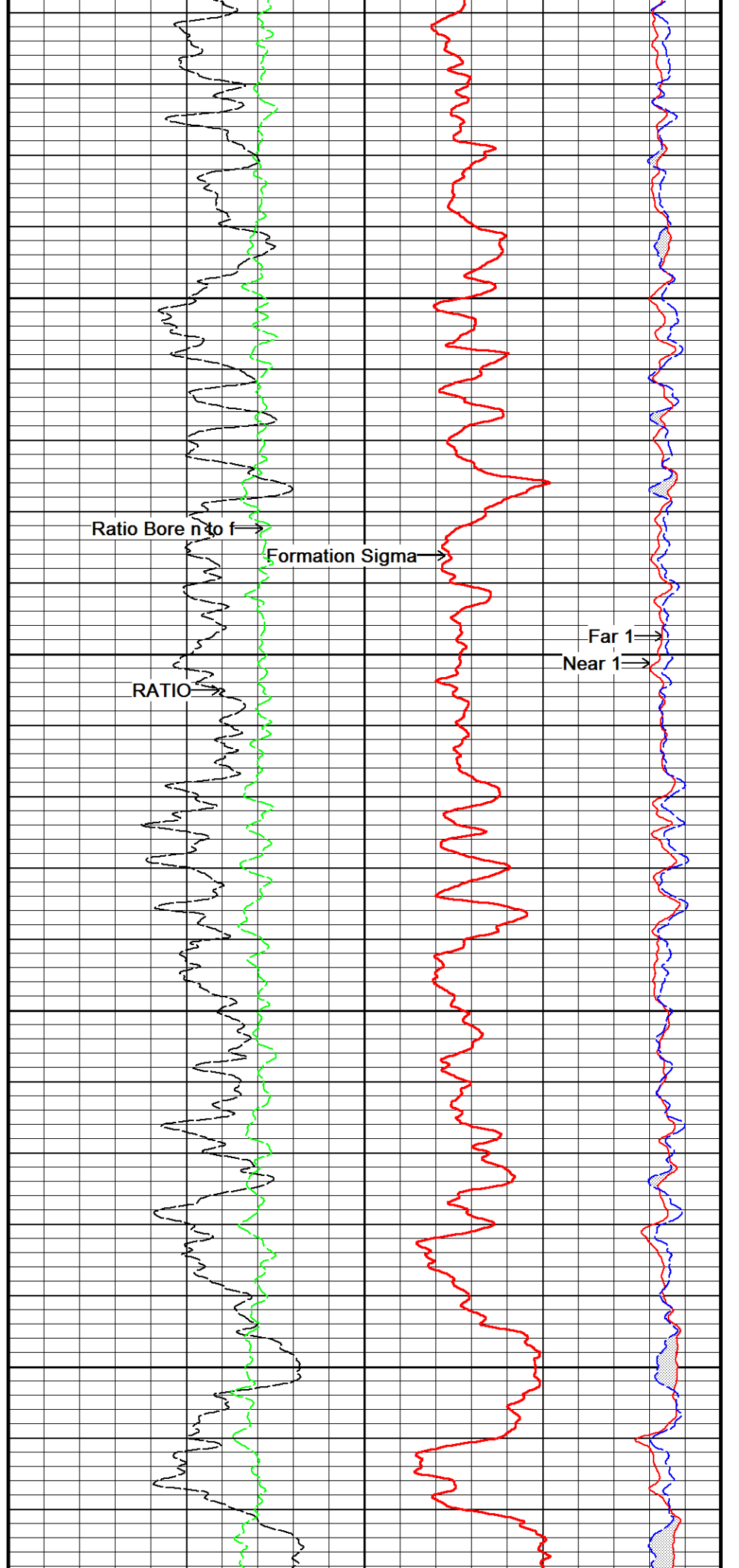
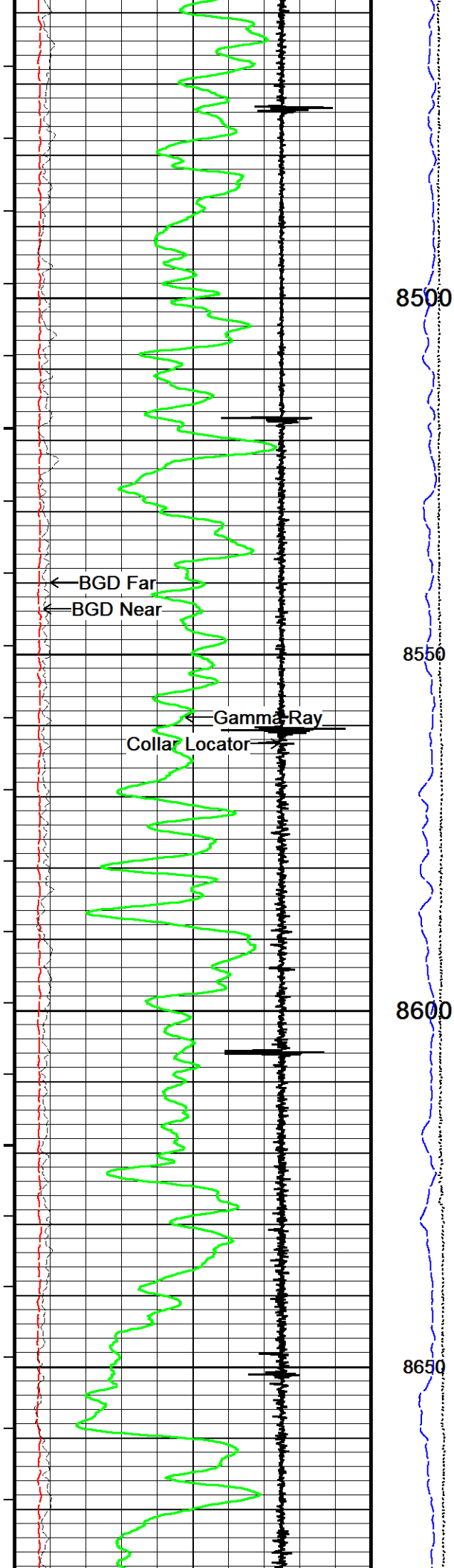


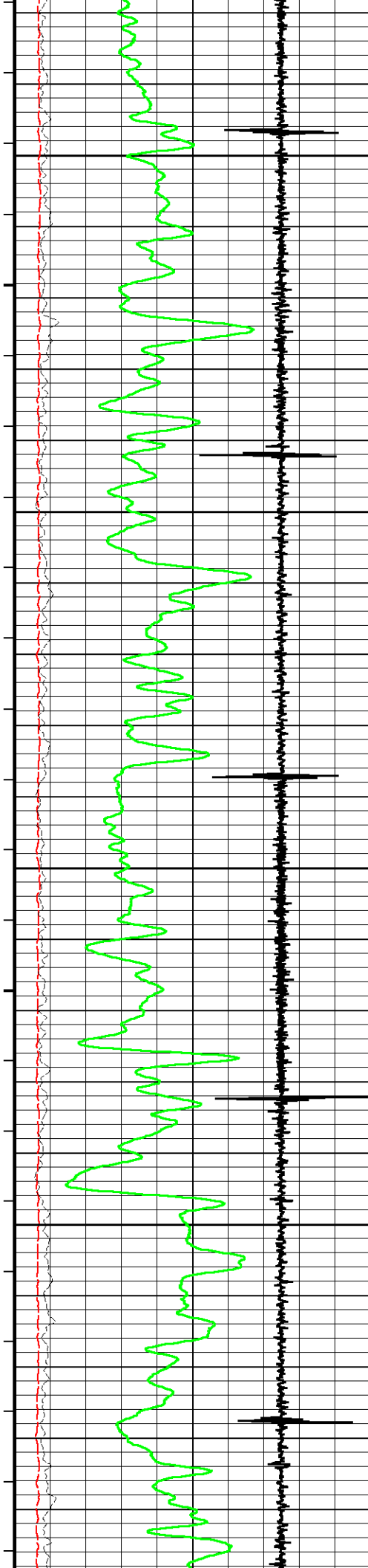










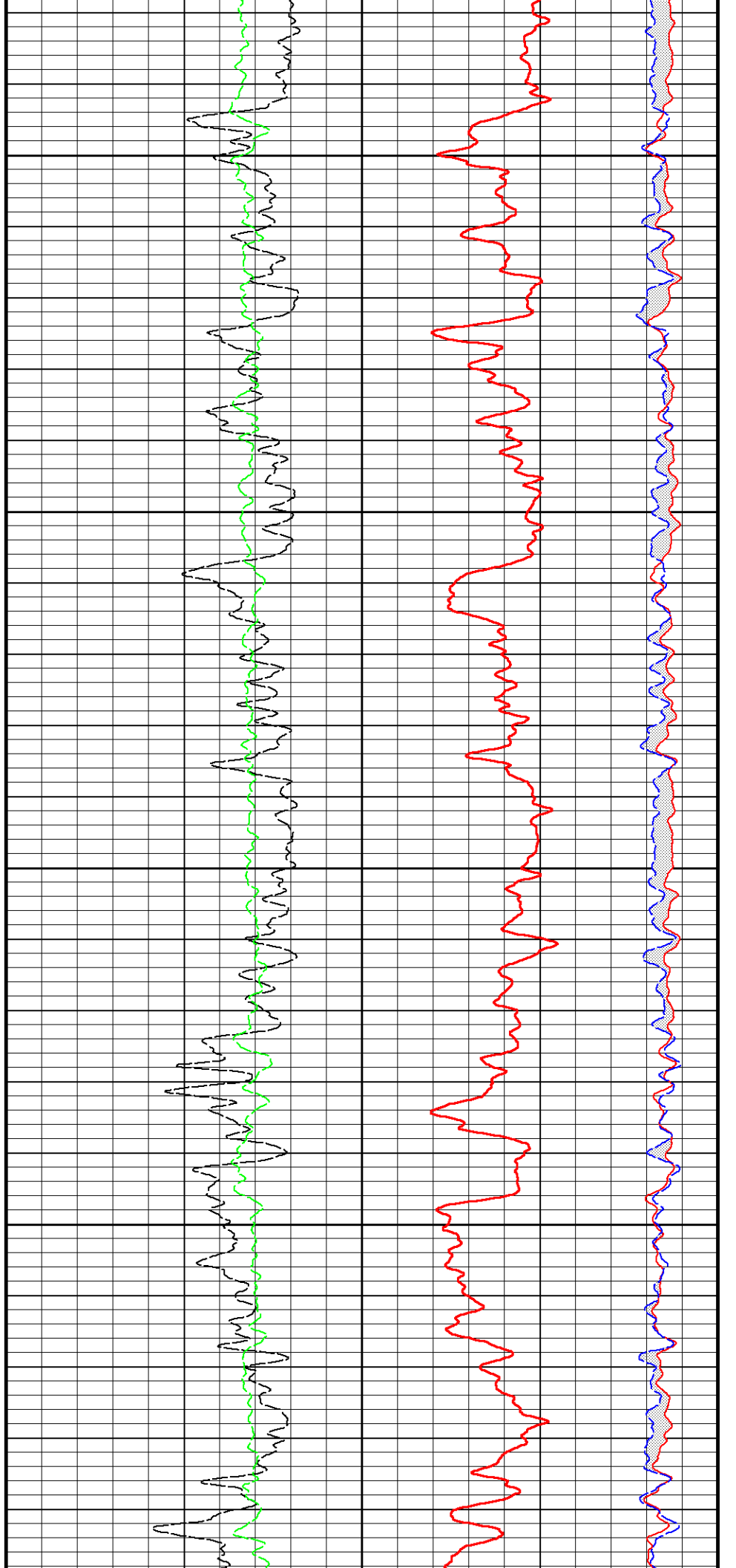


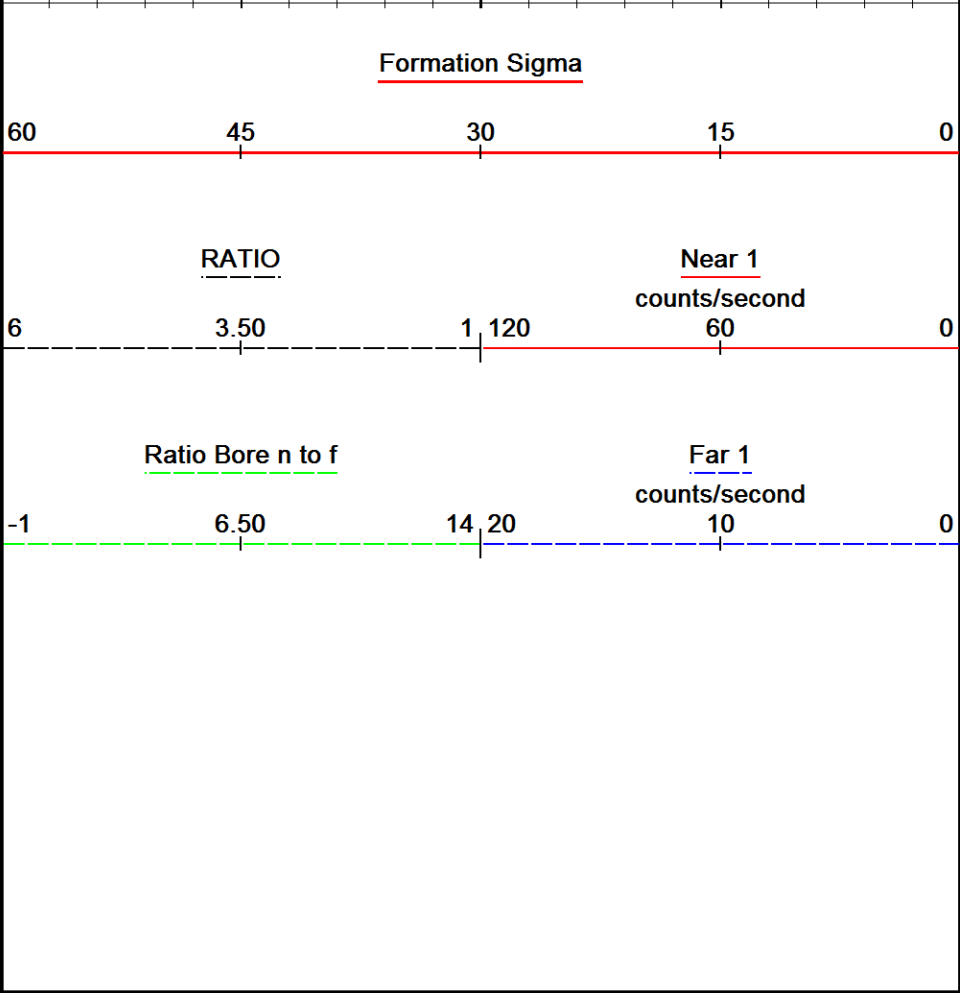
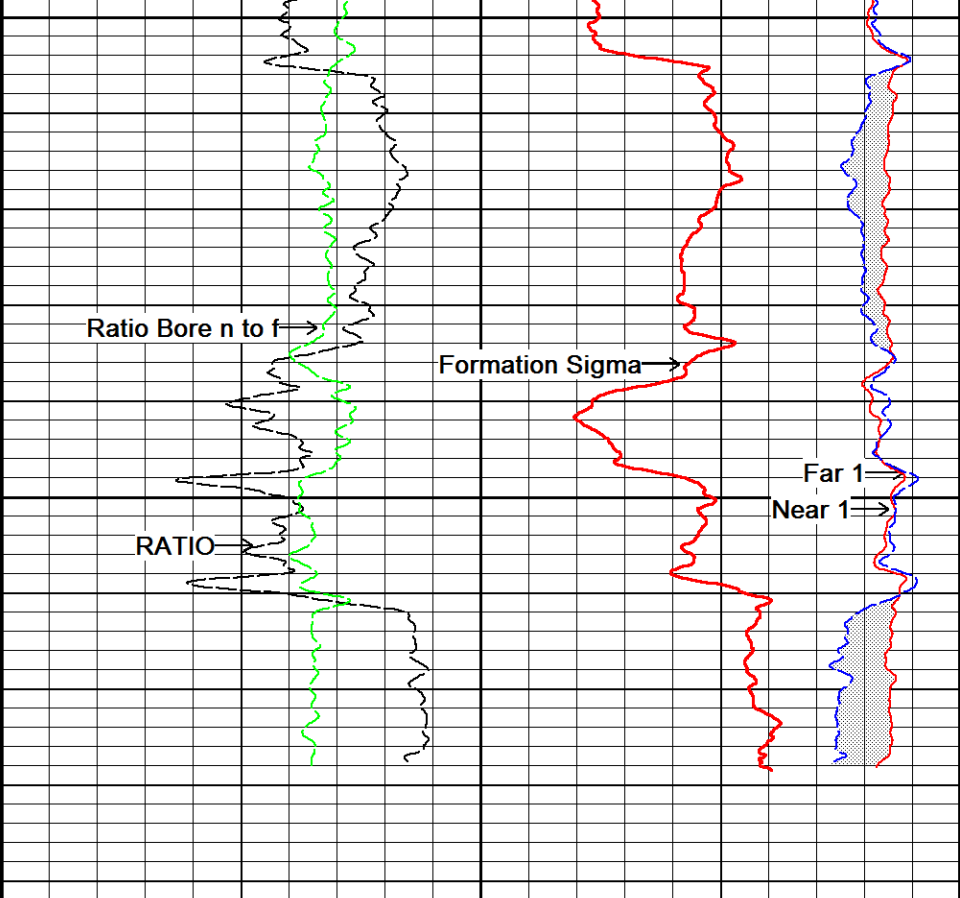
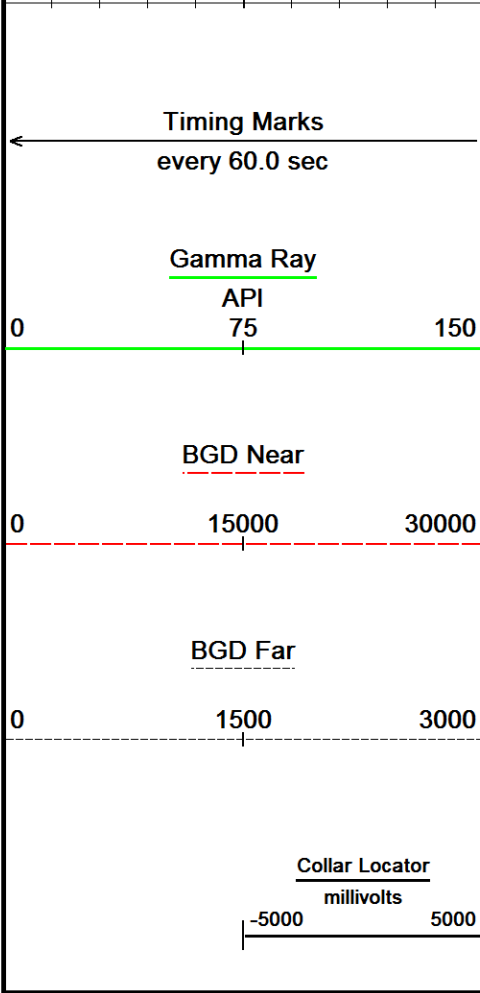
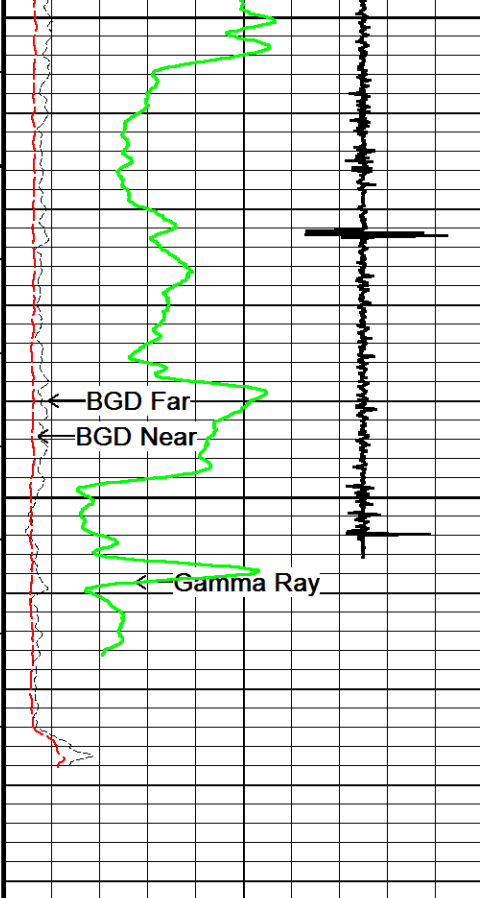
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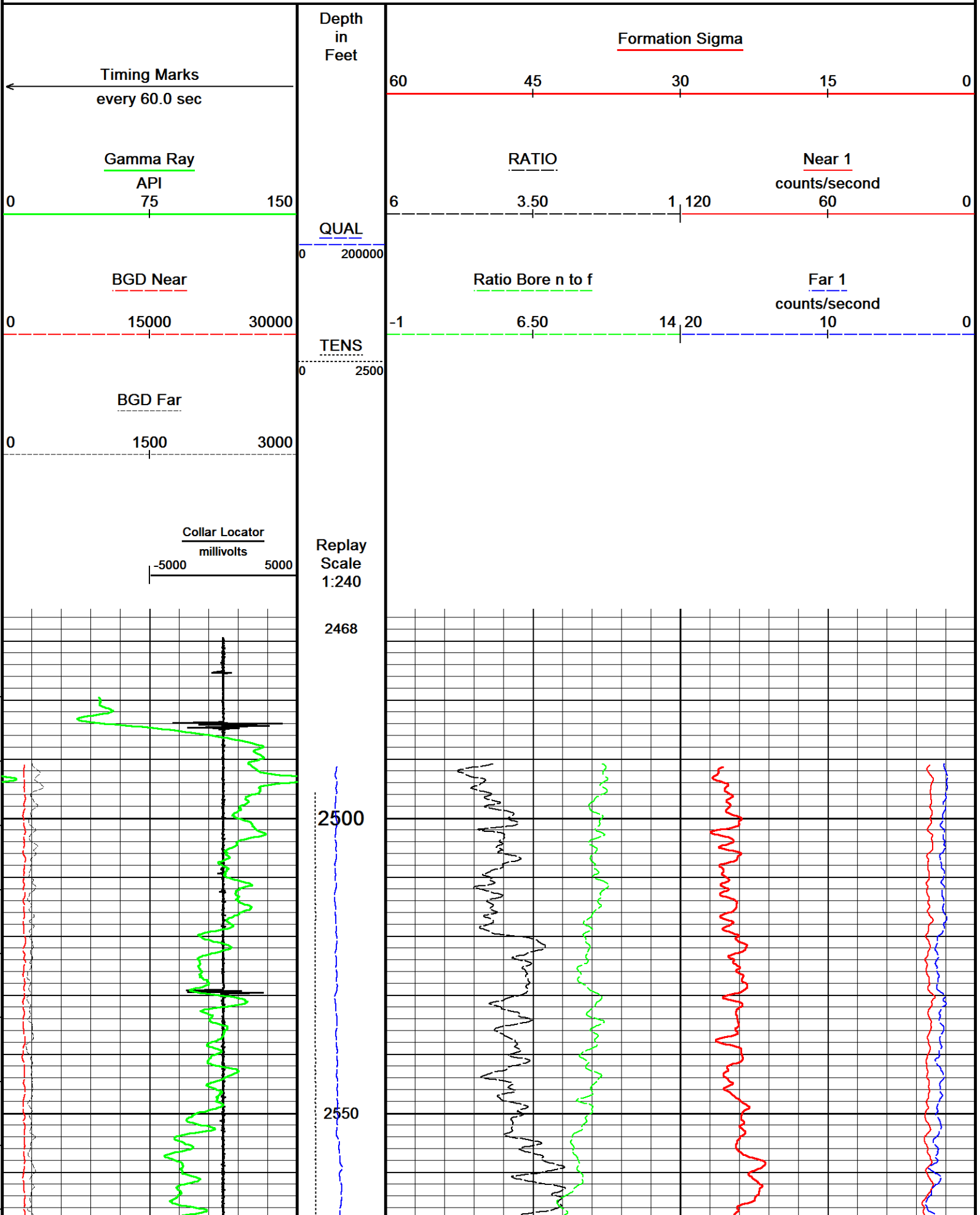
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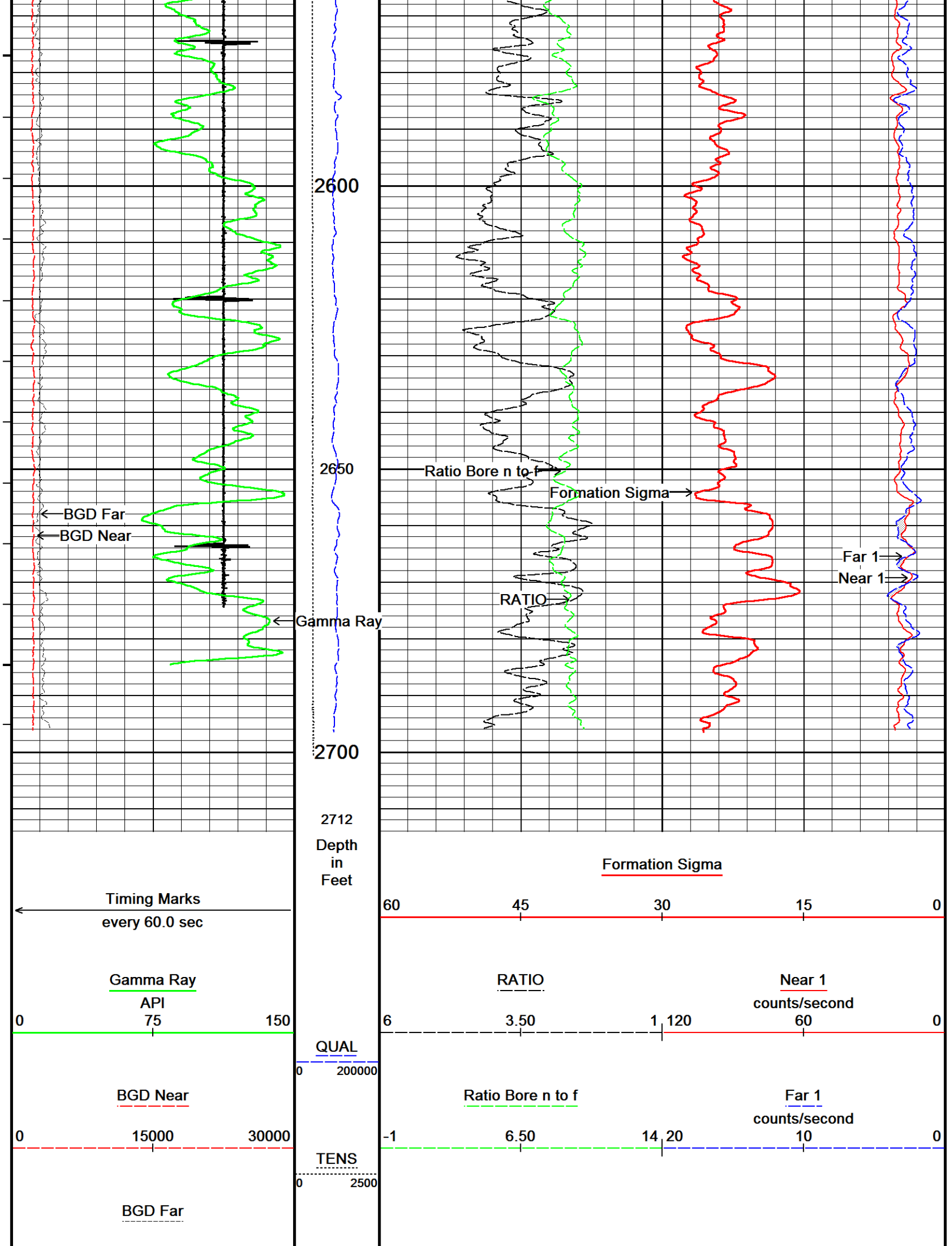
8800

8850









0 1500 3000

Collar Locator

millivolts

-5000 5000

Replay
Scale
1:240

Depth Based Data - Maximum Sampling Increment 2.5cm

Plotted on 26-MAR-2018 04:55

Filename: C:\Logs\Caerus\PUCKETT 44A-24\PUCKETT_44A_24_PND_REPEAT.dta

Recorded on 24-MAR-2018 21:57

System Versions: Logged with 18.01.5248 Plotted with 18.01.5248



REPEAT PASS



DOWNHOLE EQUIPMENT

C:\Logs\Caerus\PUCKETT 44A-24\PUCKETT_44A_24_PND_MAIN.dta

Mono-Cablehead

MCH-AA 0 LG: 1.03 ft WT: 2.2 lb OD: 1.457 in

PND CCL (1.63")

CCP-CA 118 LG: 2.07 ft WT: 0.0 lb OD: 1.693 in

PND Processor V9.4(1.69")

PNE-EA 134 LG: 10.94 ft WT: 39.7 lb OD: 1.693 in



26.30 ft CCL - Collar Locator

16.94 ft GR - Gamma Ray

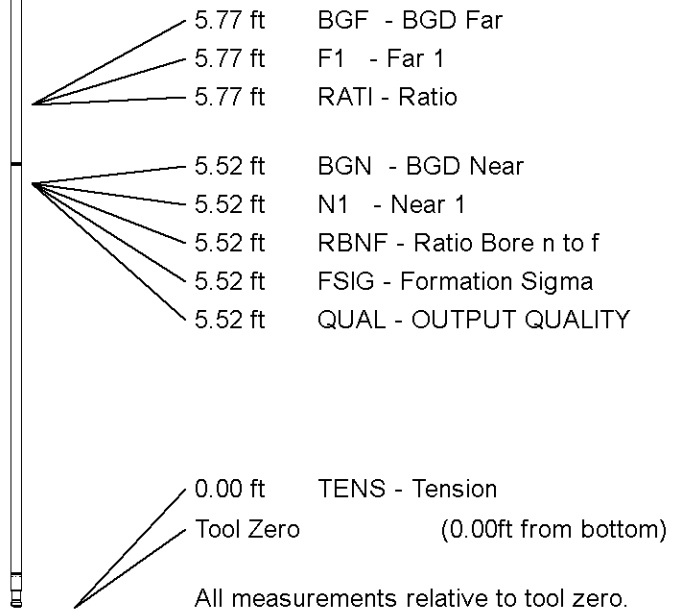
PND Det. Assy V9.4 1.69"

PDT-SA 113 LG: 8.60 ft WT: 33.1 lb OD: 1.693 in

Gen. Assy,High Reliability,V10,1.69"
PGN-SA 123 LG: 5.33 ft WT: 13.2 lb OD: 1.693 in

PND Impact Sub(GO Pin Thread) for PGN-S
PIS-S 0 LG: 0.43 ft WT: 2.2 lb OD: 1.693 in

Total Length: 28.40 ft Weight: 90.4 lb



SHOP AND FIELD CALIBRATIONS

C:\Logs\Caerus\PUCKETT 44A-24\PUCKETT_44A_24_PND_MAIN.dta

COMPANY CAERUS OIL & GAS
WELL PUCKETT 44A-24
FIELD GRAND VALLEY
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE USA / COLORADO

Elevation Kelly Bushing	8181	feet	Bottom Log Interval	8990.00	feet
Elevation Drill Floor	8181	feet	Depth Driller	9099.00	feet
Elevation Ground Level	8151	feet	Depth Logger	8990.00	feet



Weatherford®

PULSED NEUTRON LOG