



Weatherford

**CEMENT BOND LOG
GAMMA RAY / CCL LOG**

COMPANY

PETROLEUM RECCOURCE MANAGEMENT CORP.

WELL

SHEE HAN 2 4-2

FIELD

WILDCAT

PROVINCE/COUNTY

MOFFAT

COUNTRY/STATE

COLORADO

LOCATION

2082' FNL & 350' FEL

SEC 2

TWP 10N

RGE 89W

Other Services

N/A

Latitude

Longitude

API Number

Permanent Datum G.L., Elevation 8266 feet

Log Measured From KB

Drilling Measured From KB

Elevations:

KB

DF

GL

8280.00

8279.00

8266.00

PERFORATION RECORD

Date

Run Number

Service Order

Type Log

Depth Driller

PERFORATION RECORD

27-JUN-2013

ONE

199861

CBL

7100.00

5666.00

0.00

0.00

5660.00

WATER

350.00

feet

feet

feet

feet

feet

feet

feet

feet

feet

feet

feet

feet

feet

Last Edited: 27-JUN-2013 09:43

BOREHOLE RECORD

Bit Size
inches
9.625

Depth From
feet
0.00

Depth To
feet
7100.00

CASING / TUBING RECORD

Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	P-110		9.625	0.00	991.00	0.00
PRODUCTION	P-110		7.000	0.00	5666.00	29.00

REMARKS

LOG CORRELATED TO THE GAMMA RAY OFF OF SCHLUMBERGER ARRAY INDUCTION LOG RAN ON 19-NOV-2012
ALL SERVICES PER CLIENT REQUEST
FLUID LEVEL @ 350'
EST. TOP OF CEMENT BELOW THE DV TOOL @ 2750'
DV TOOL AT 1382' TO 1384'

TOOL NUMBERS RAN IN HOLE

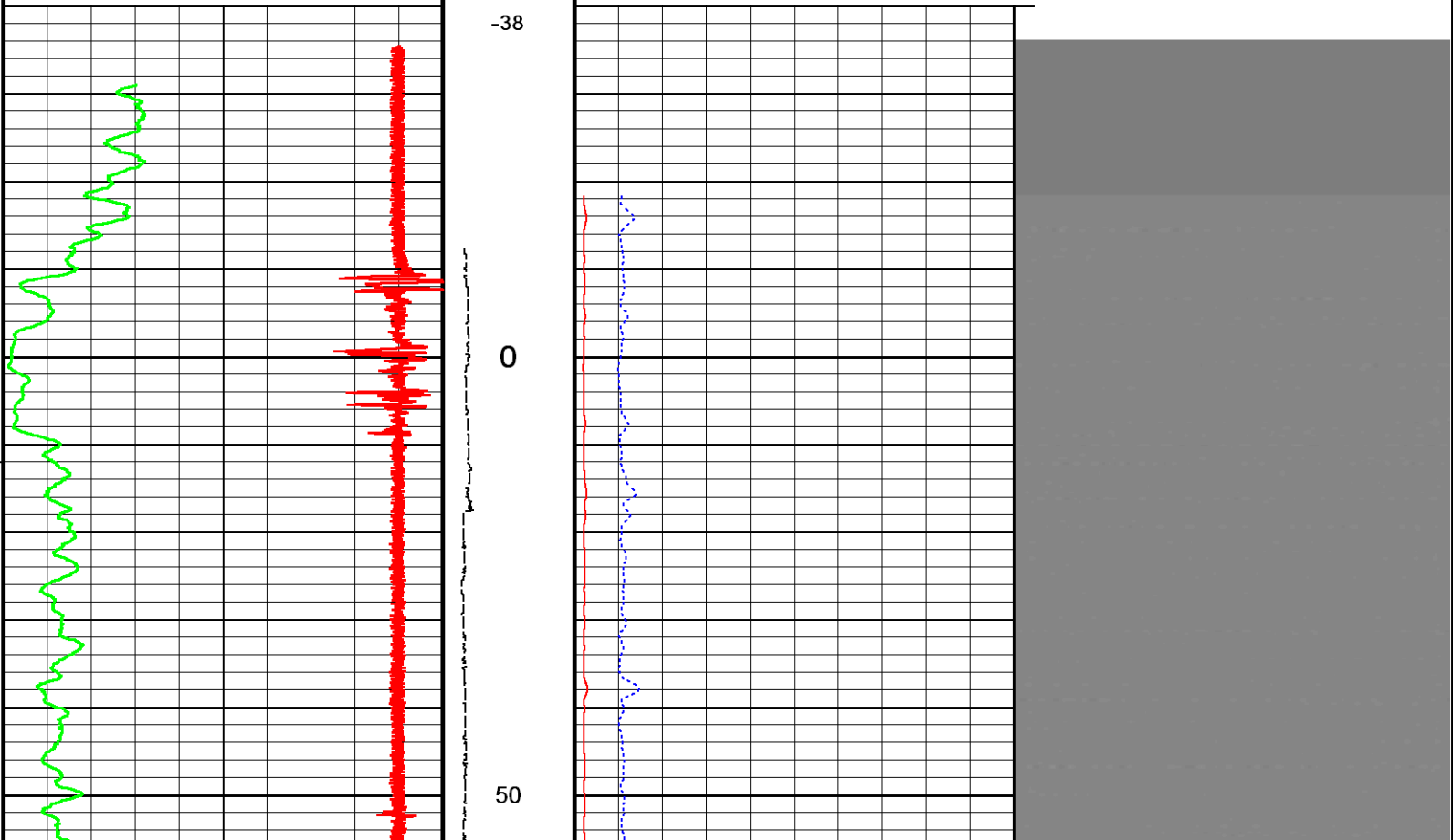
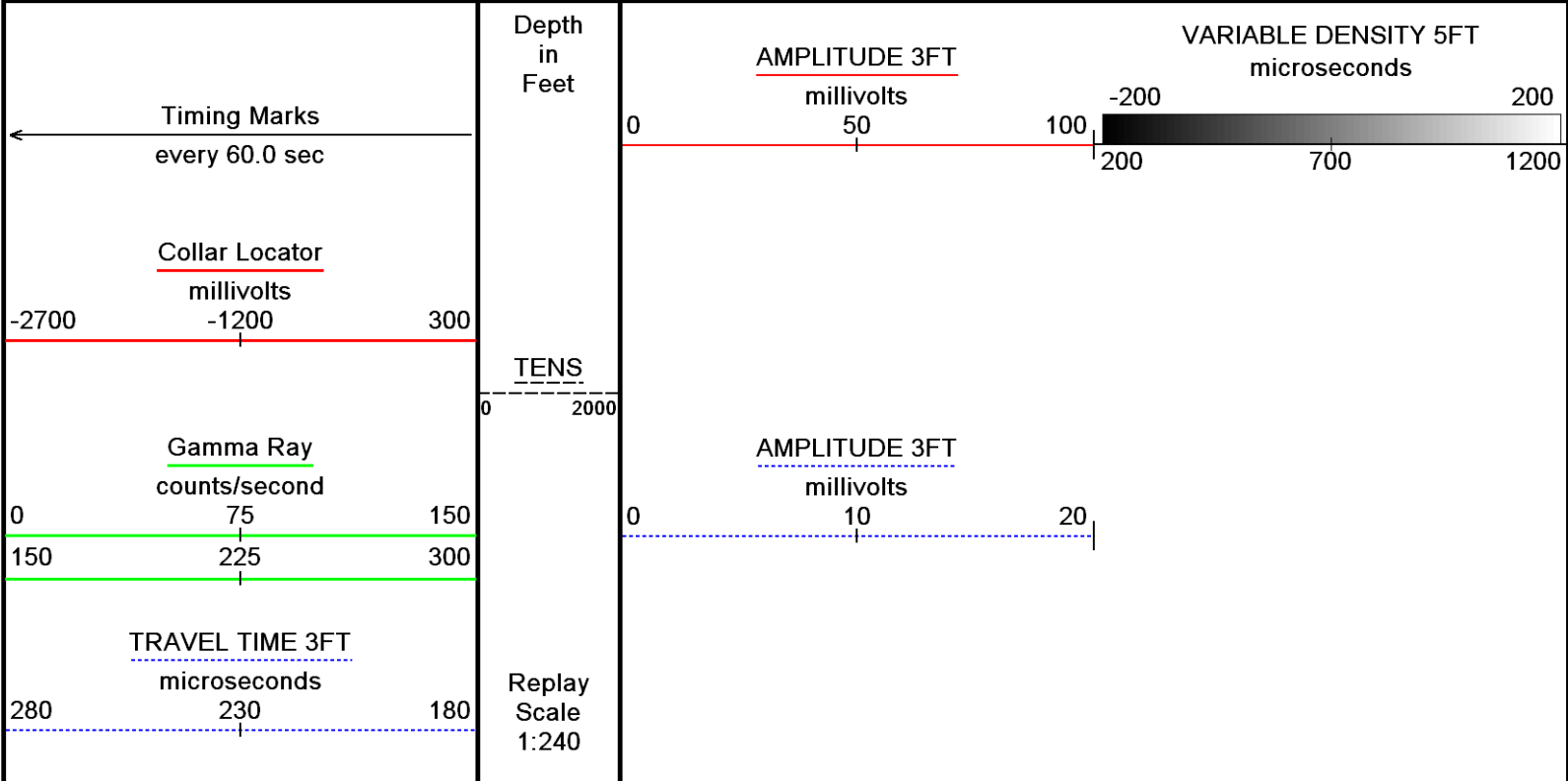
- CENA 219
- CTBA 296
- GRBA 263
- CENB 240
- SBTA 272
- CENA 222

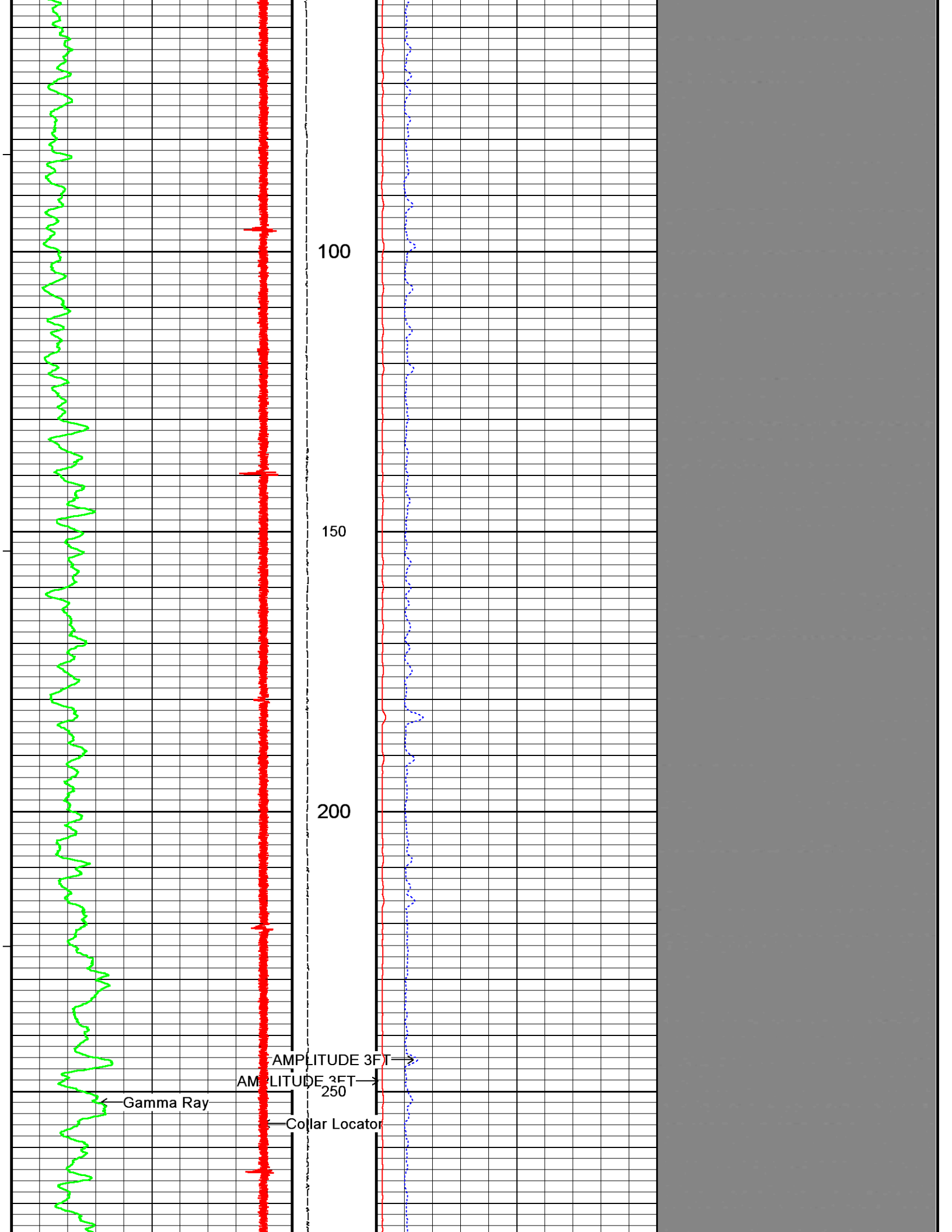
THANK YOU FOR CHOOSING WEATHERFORD WIRELINE!
CASPER, WY

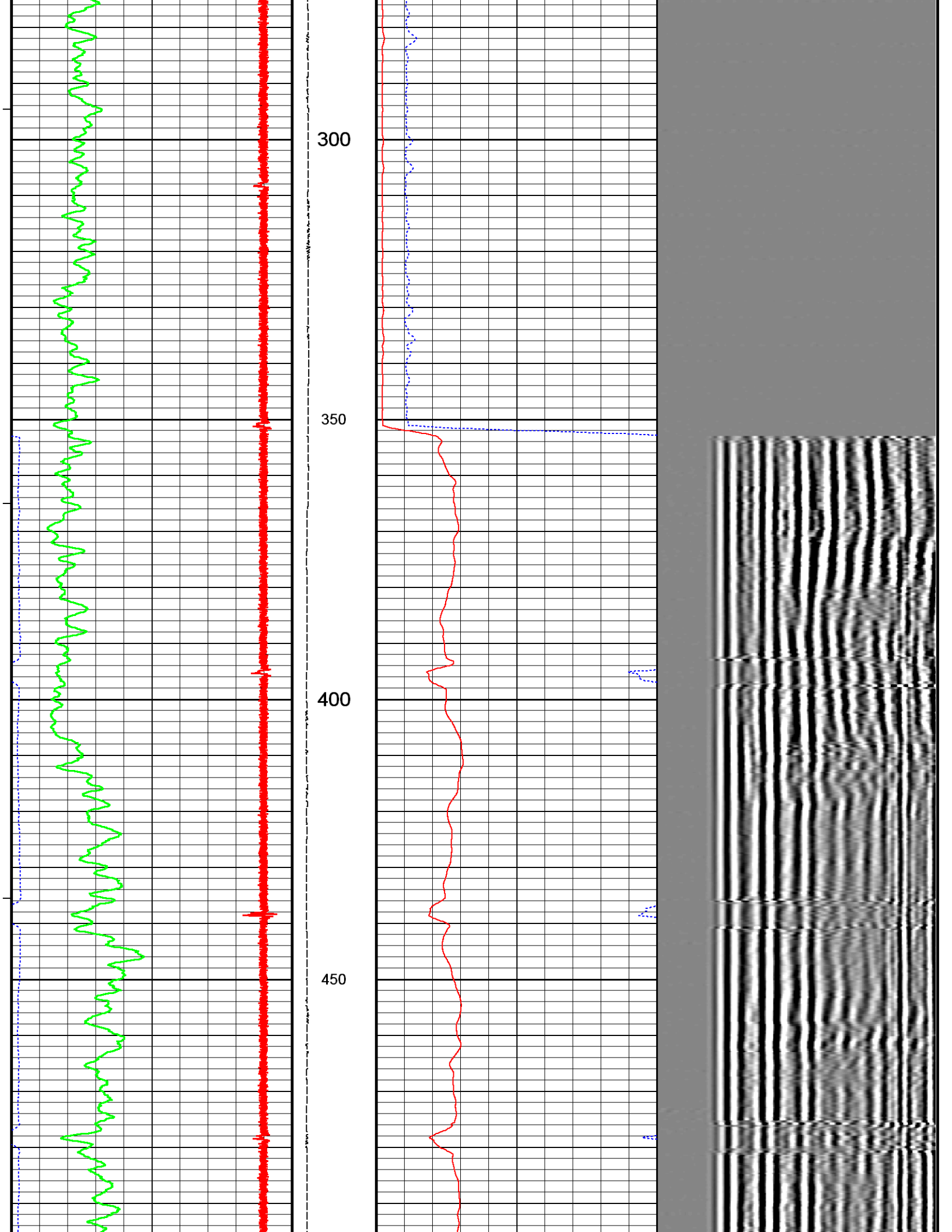
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

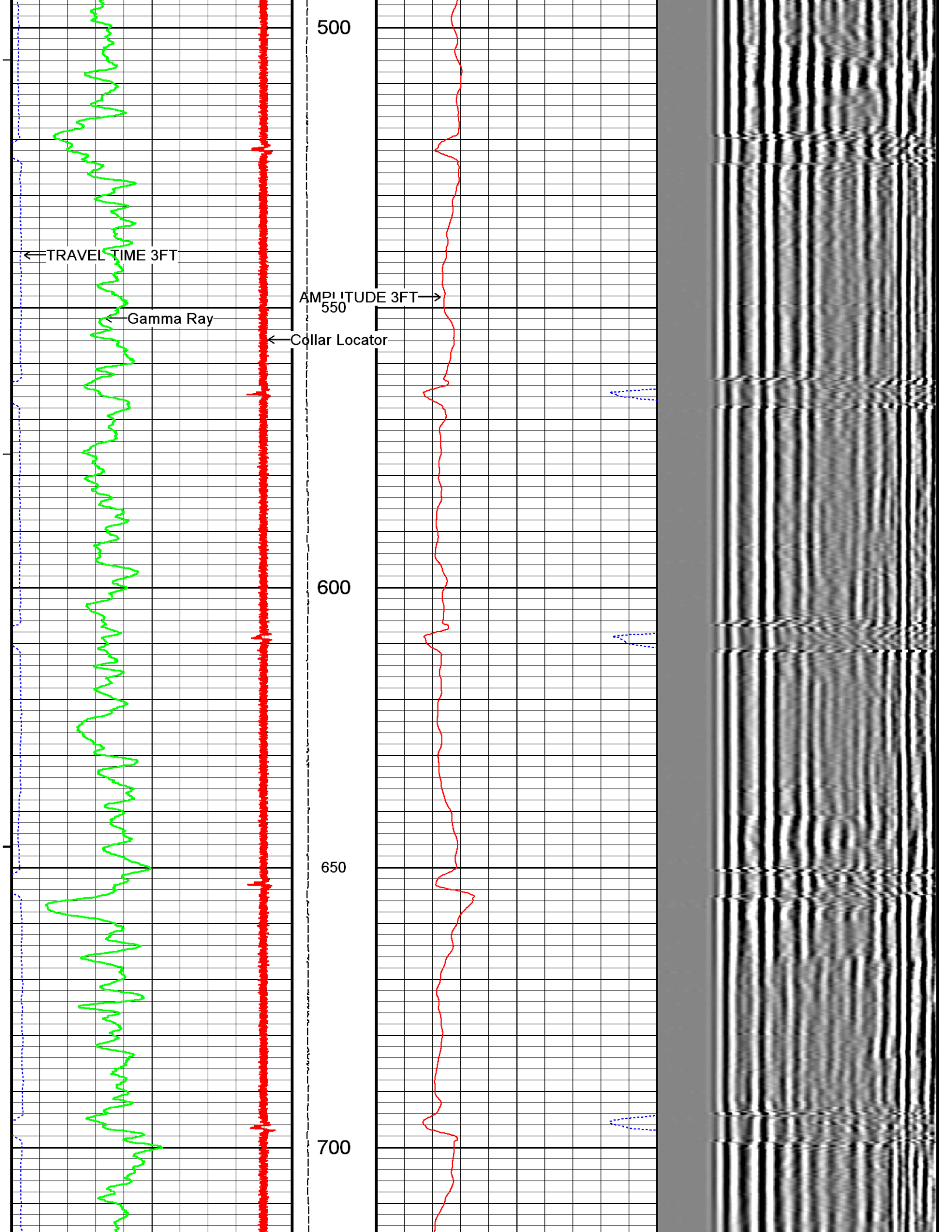
MAIN PASS

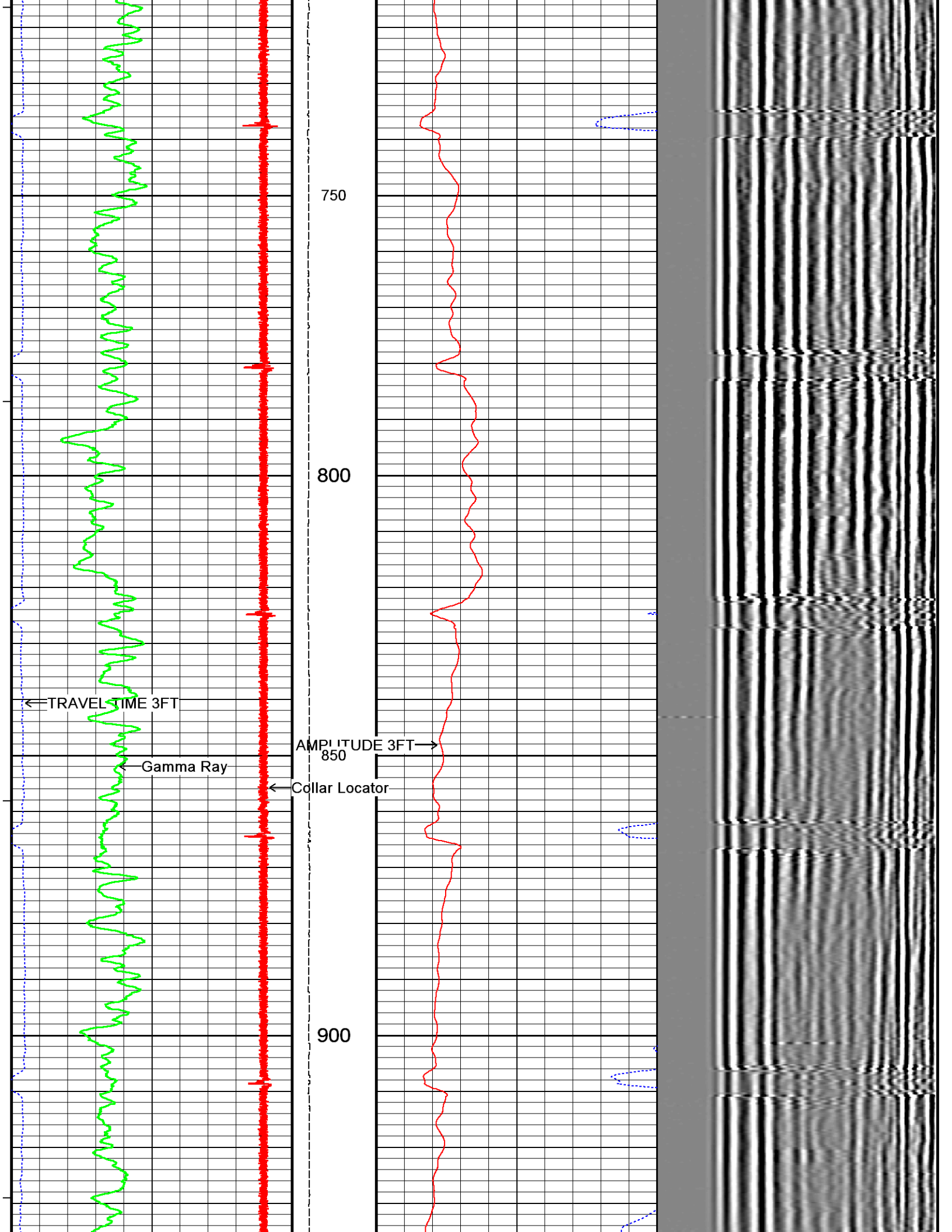
Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 27-JUN-2013 10:04
 Filename: C:\Logs\199861\CBL MAIN.dta Recorded on 27-JUN-2013 08:33
 System Versions: Logged with 13.06.9422 Plotted with 13.06.9422

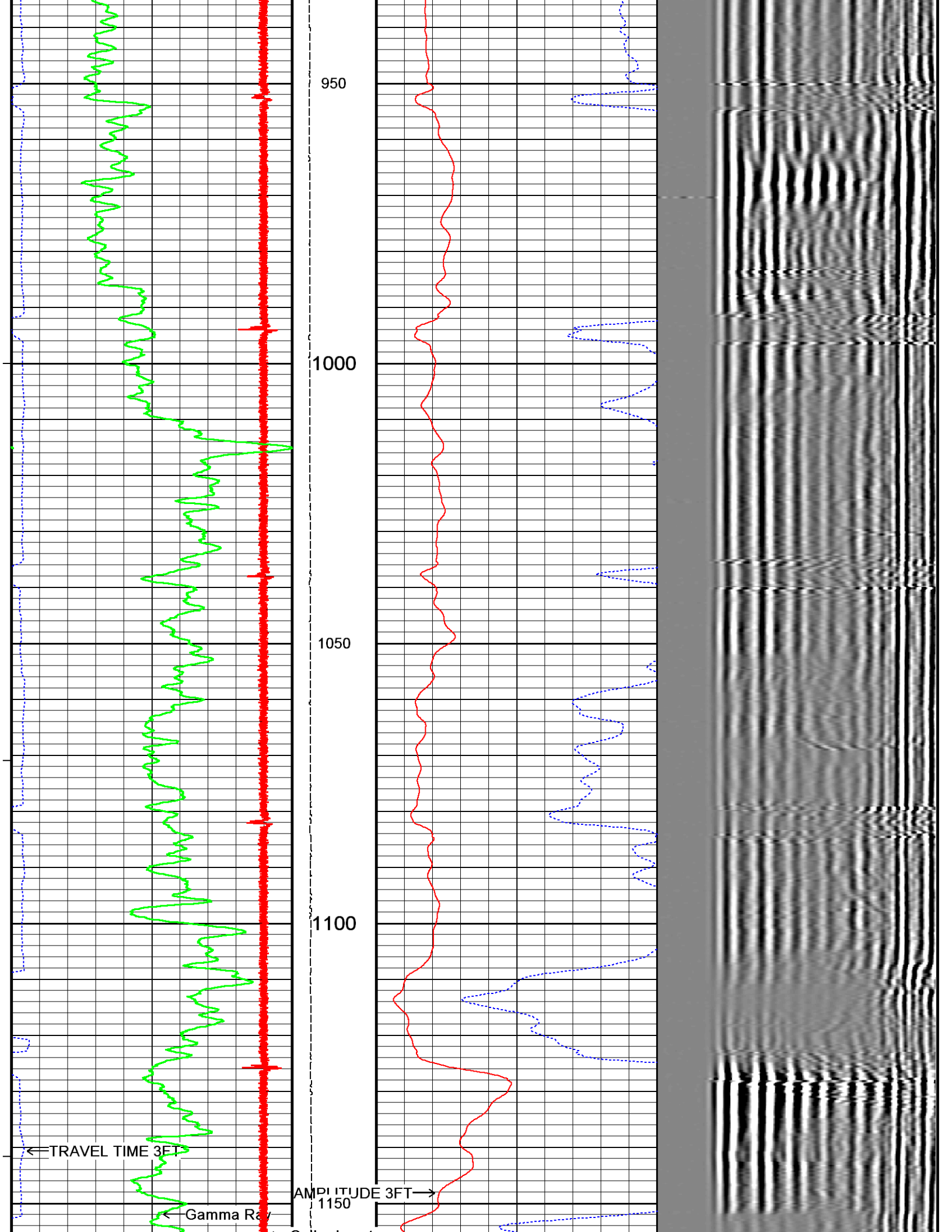


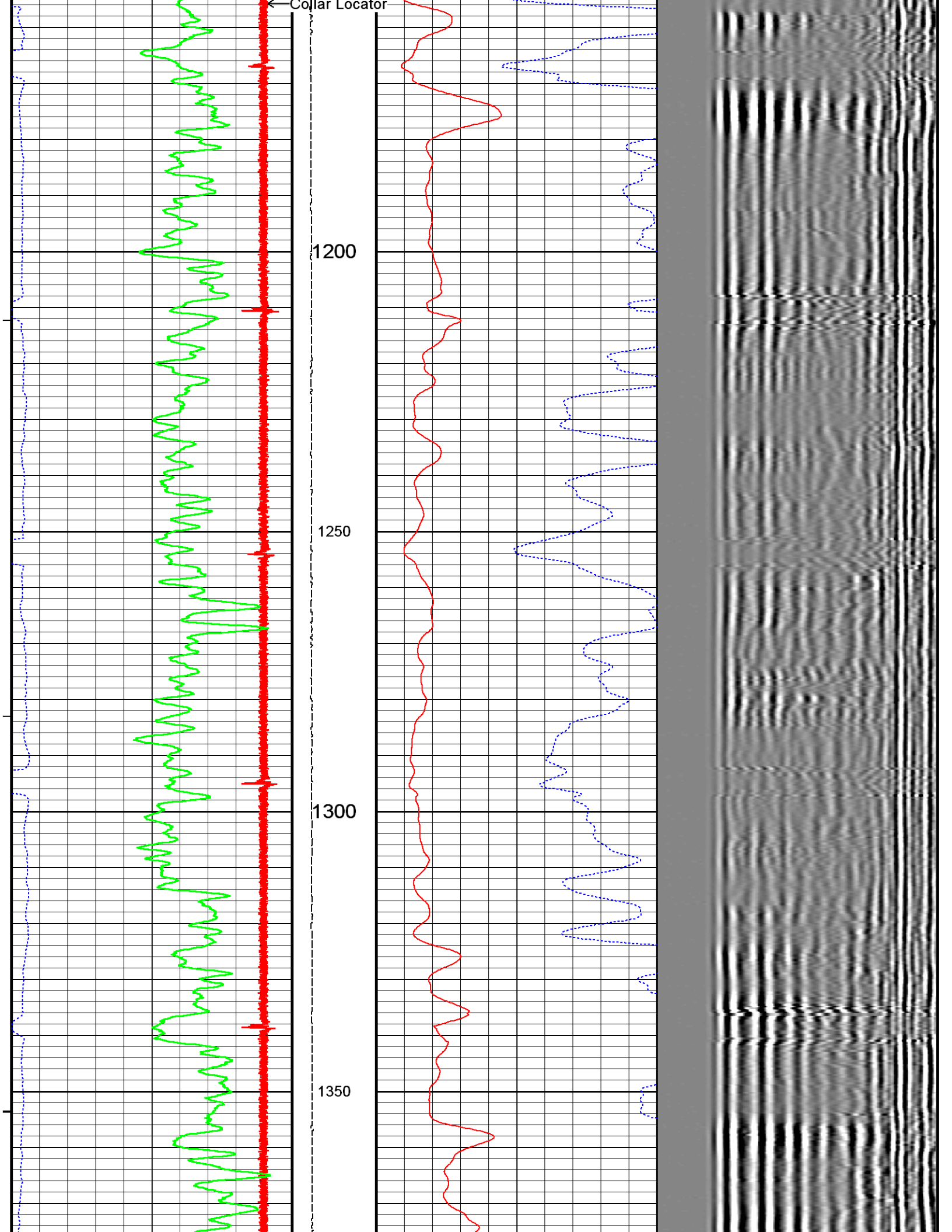


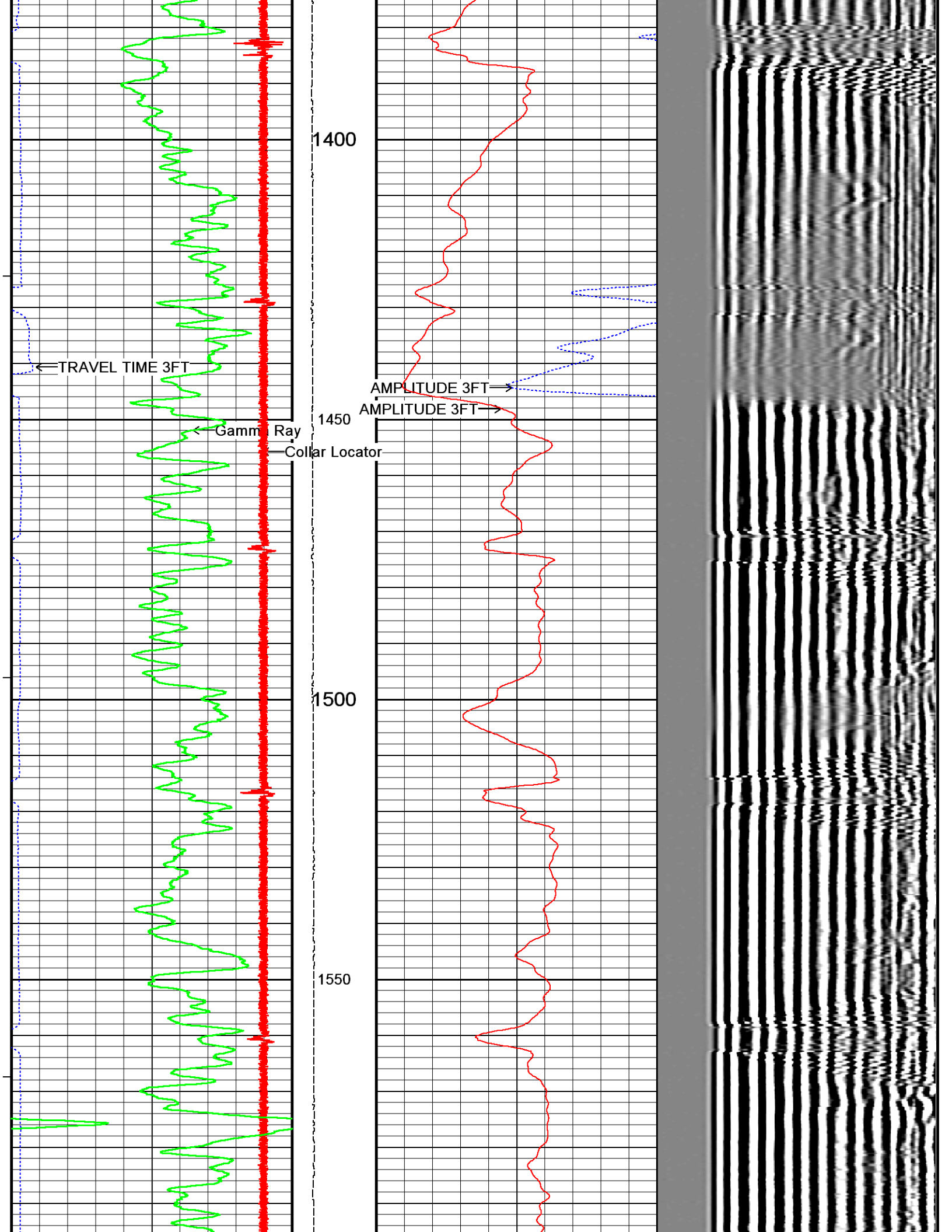


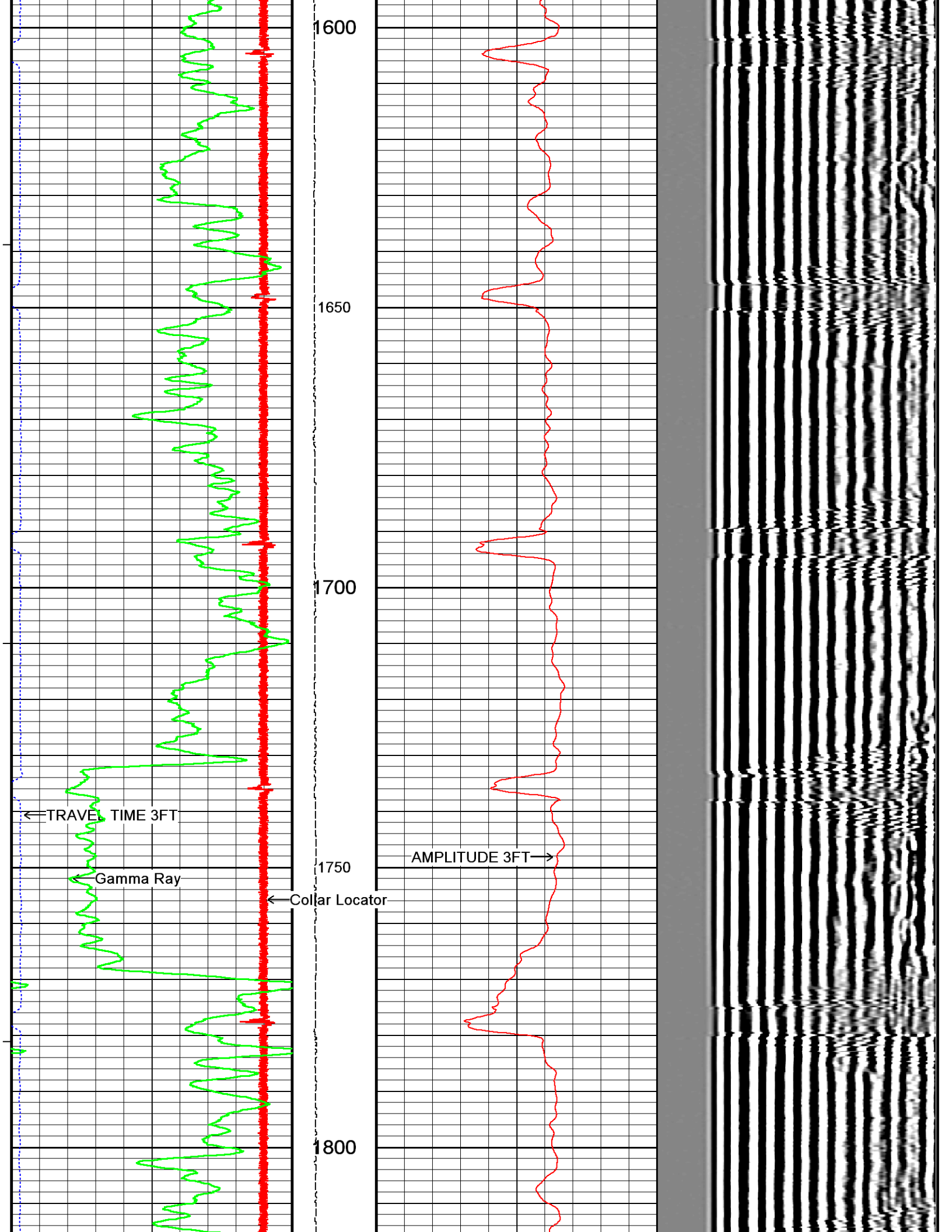


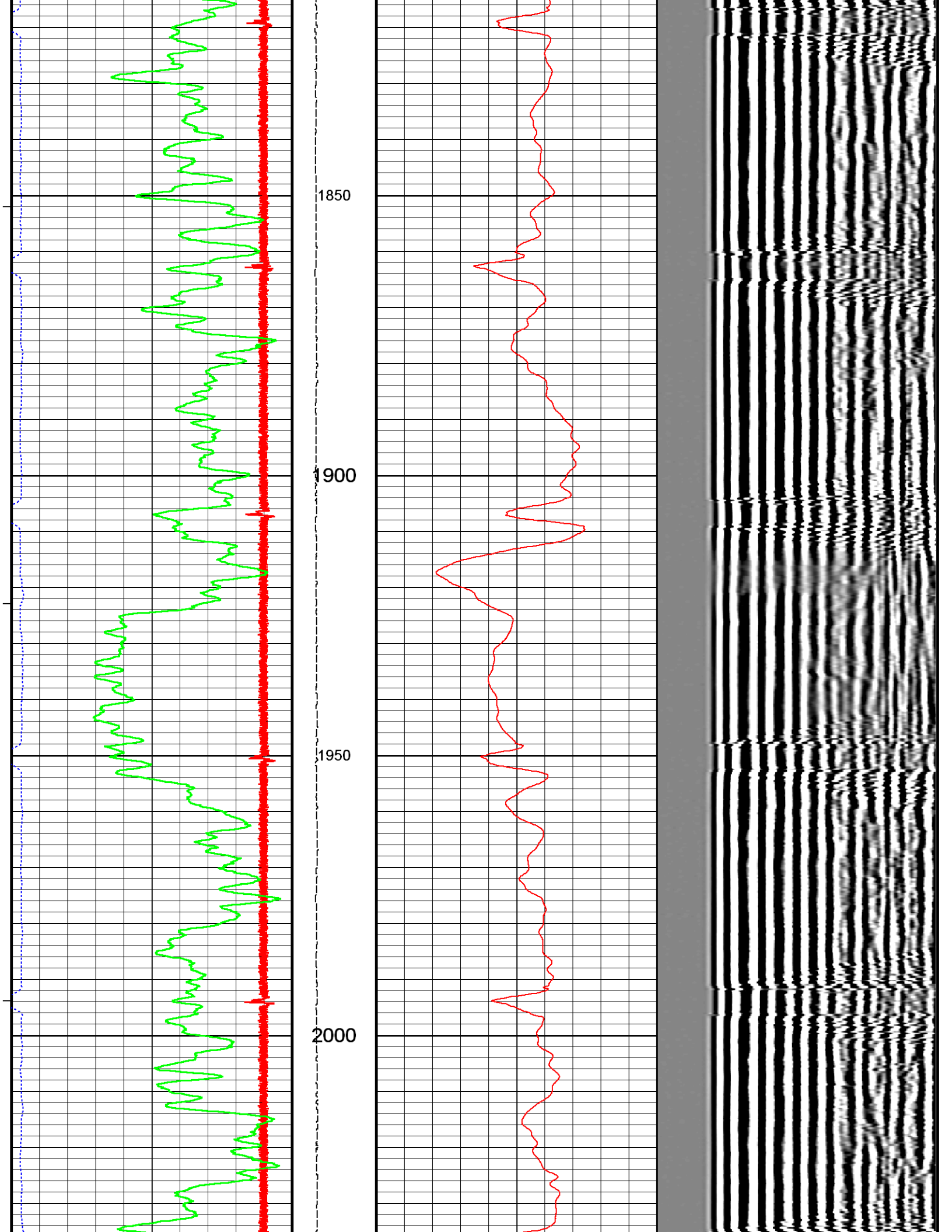


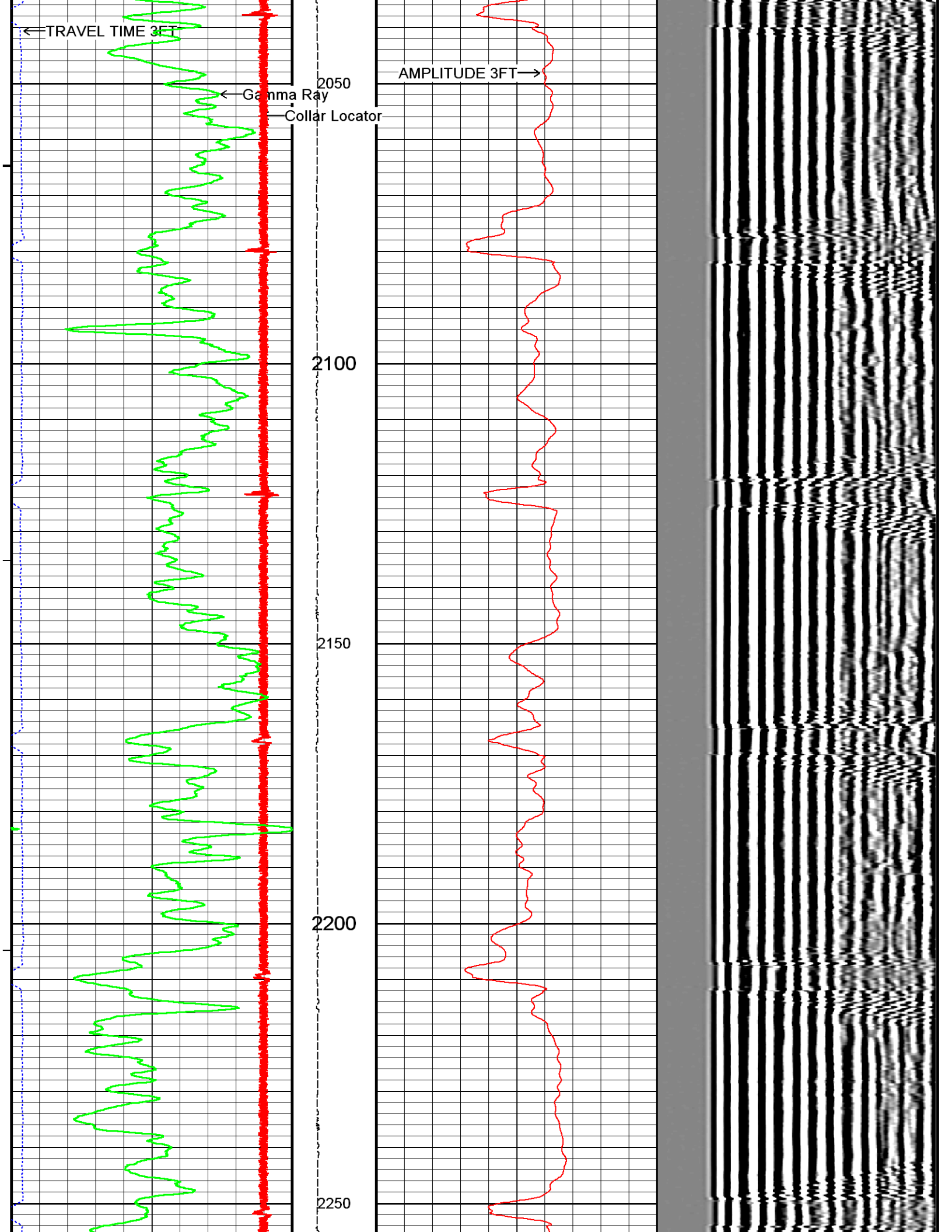


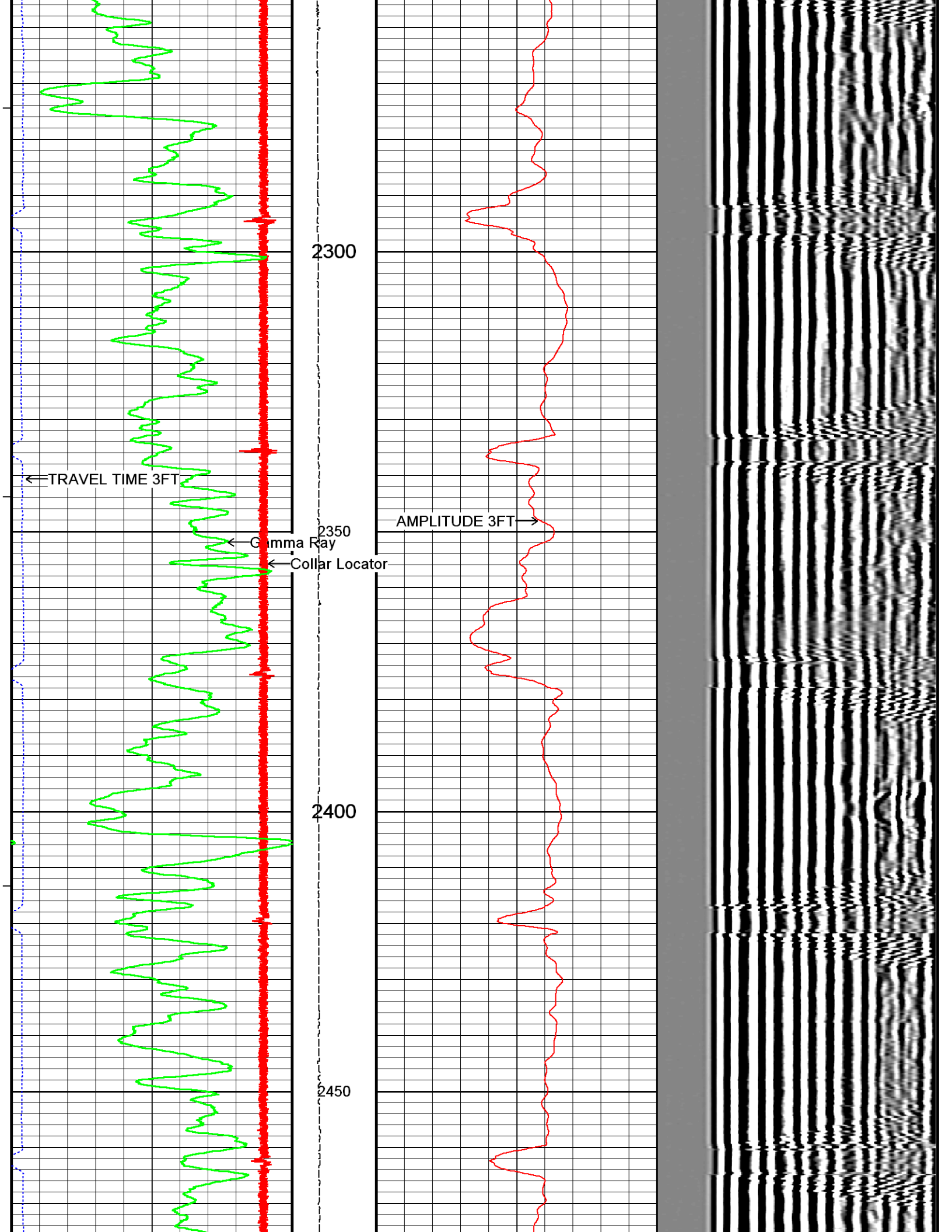


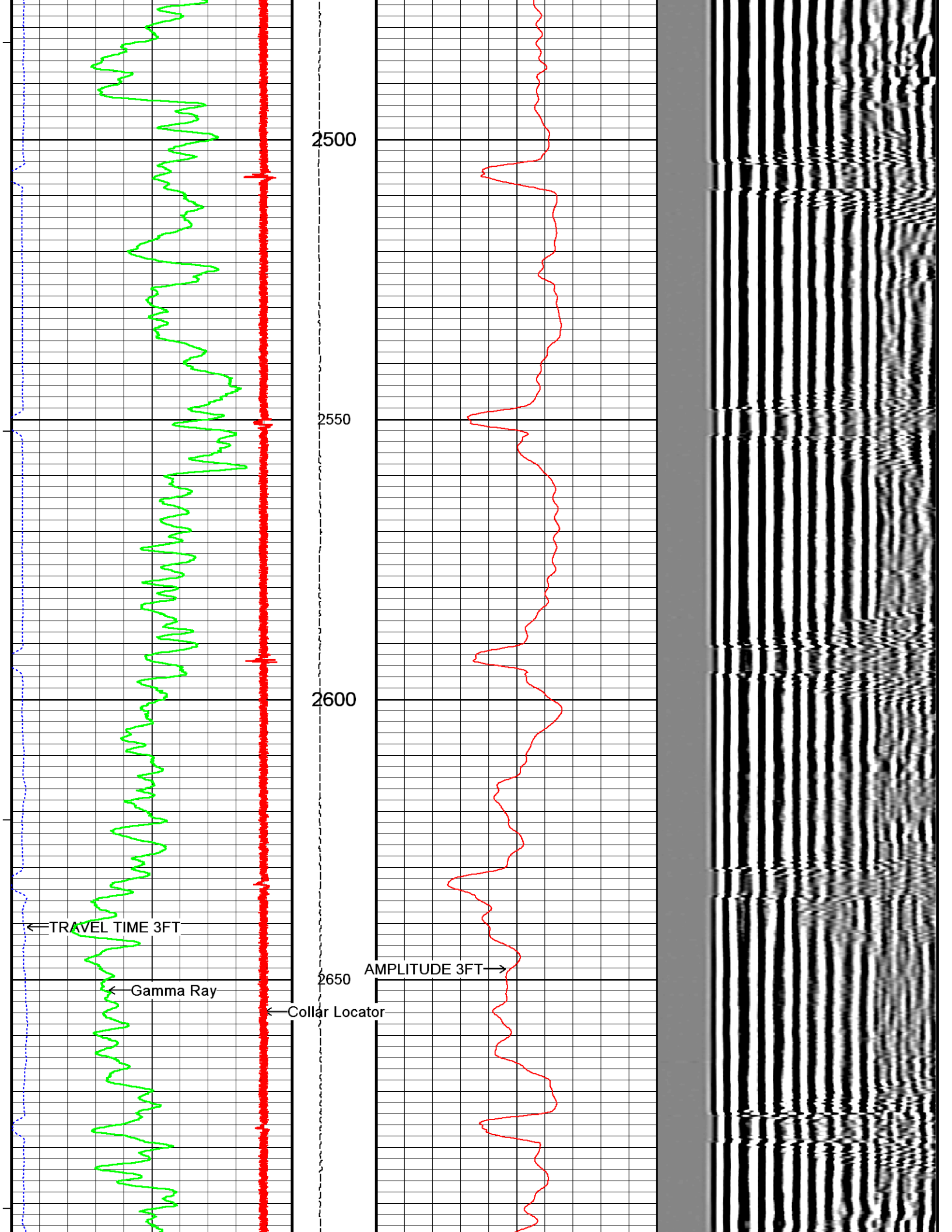












← TRAVEL TIME 3FT

← Gamma Ray

← Collar Locator

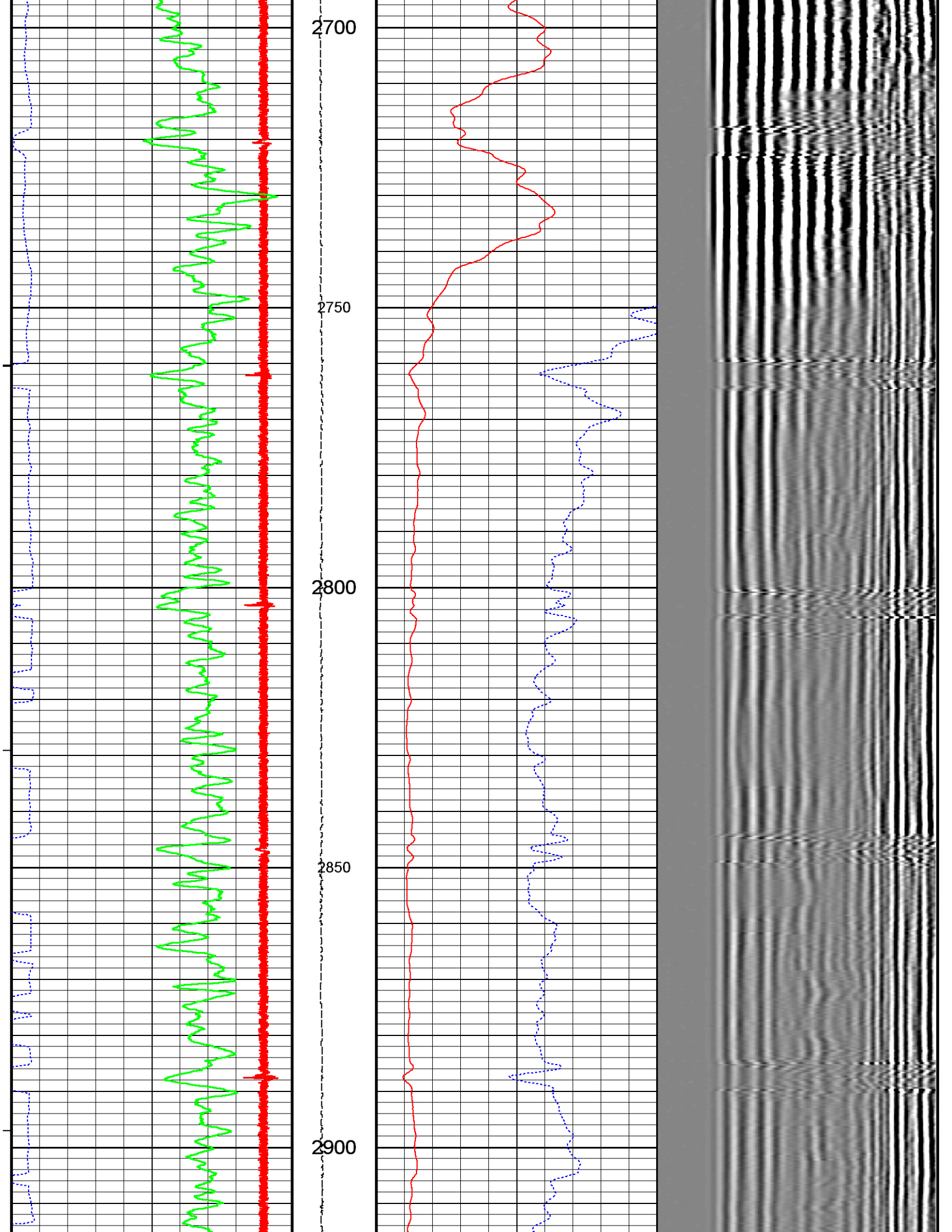
AMPLITUDE 3FT →

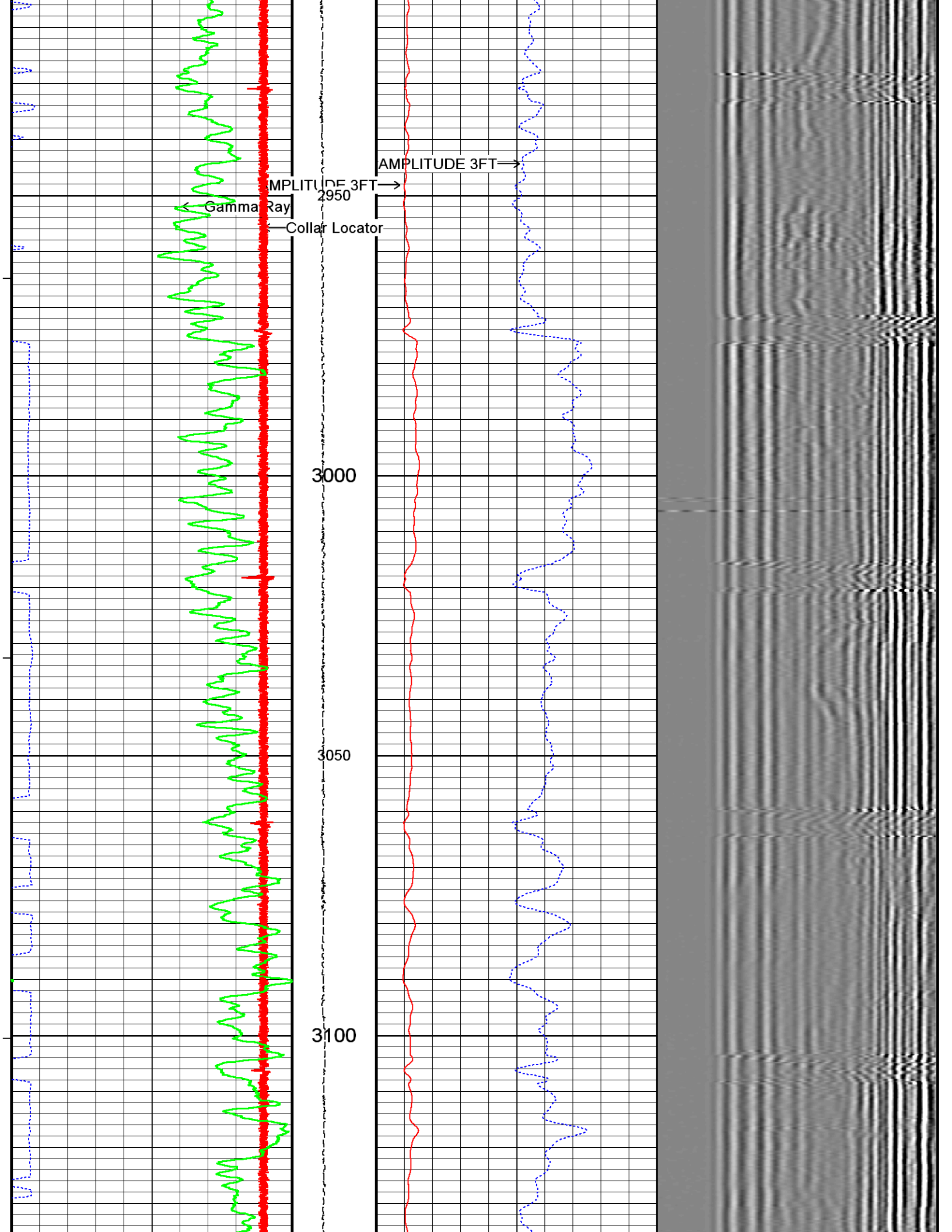
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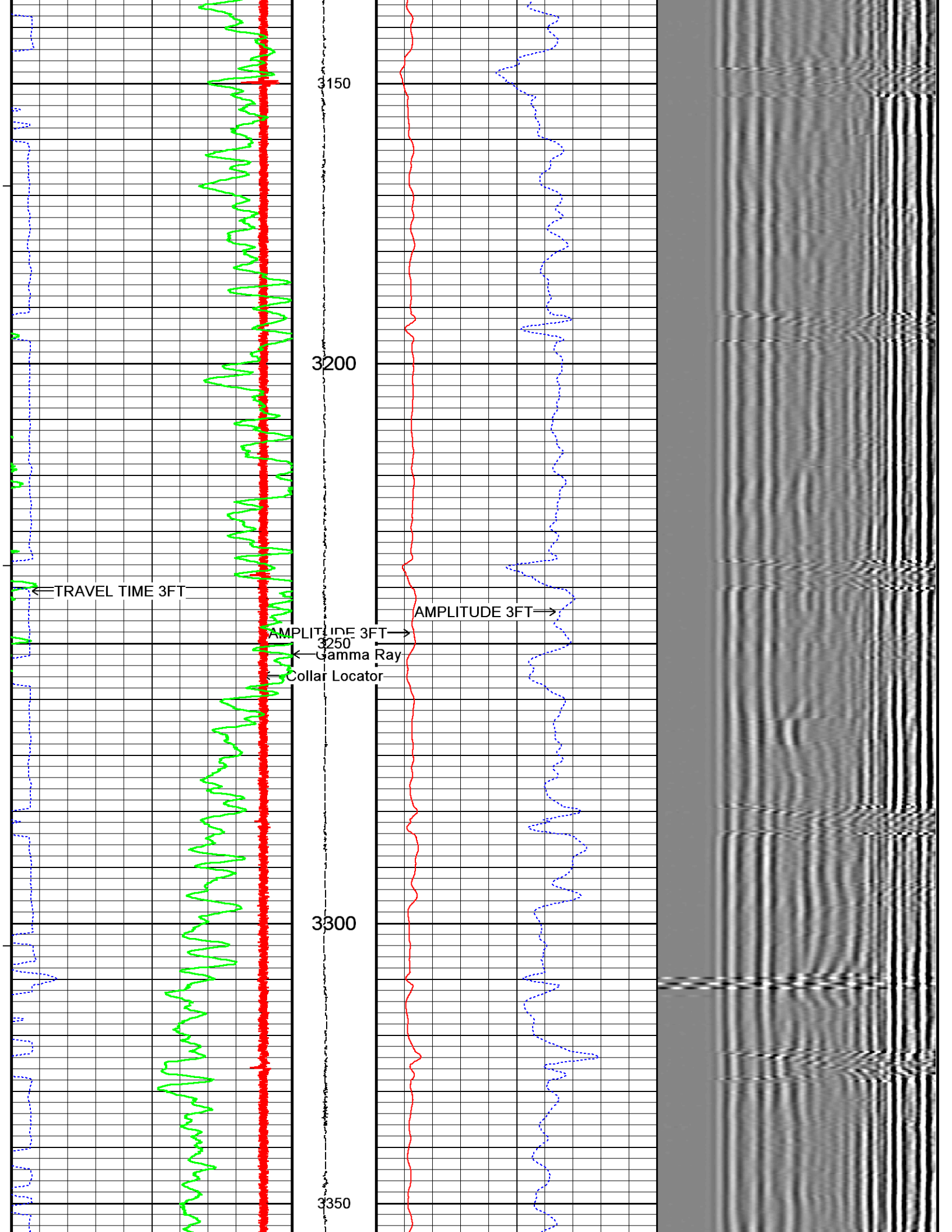
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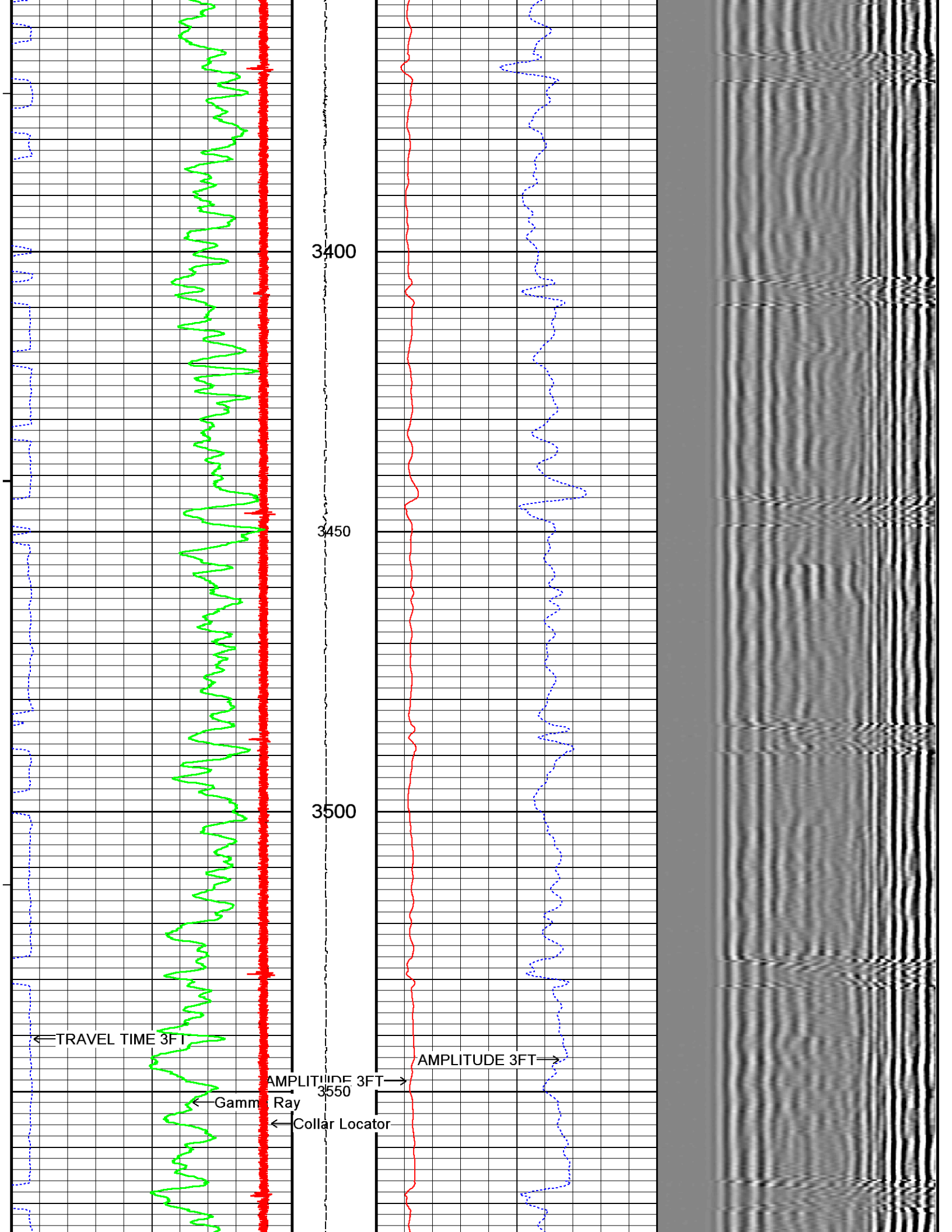
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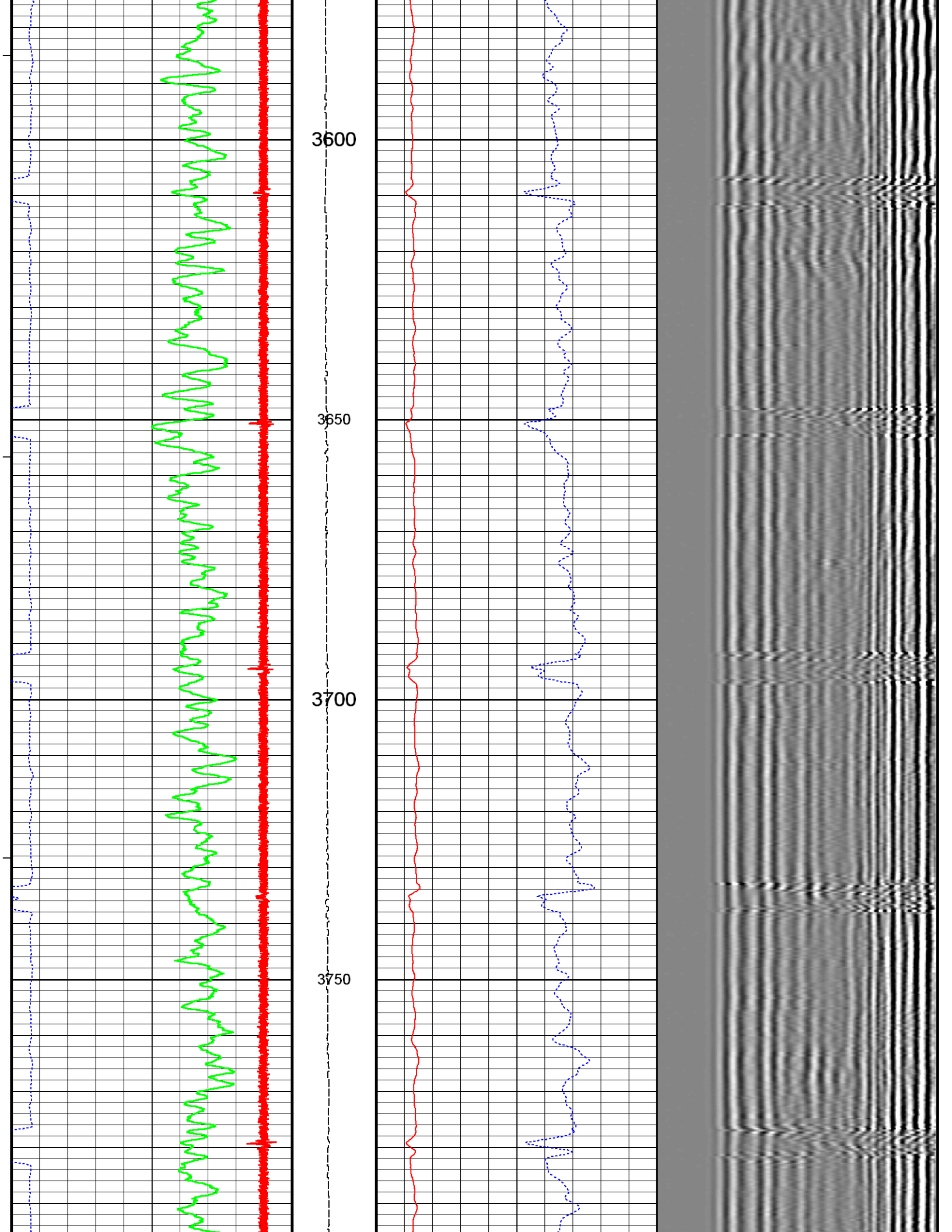
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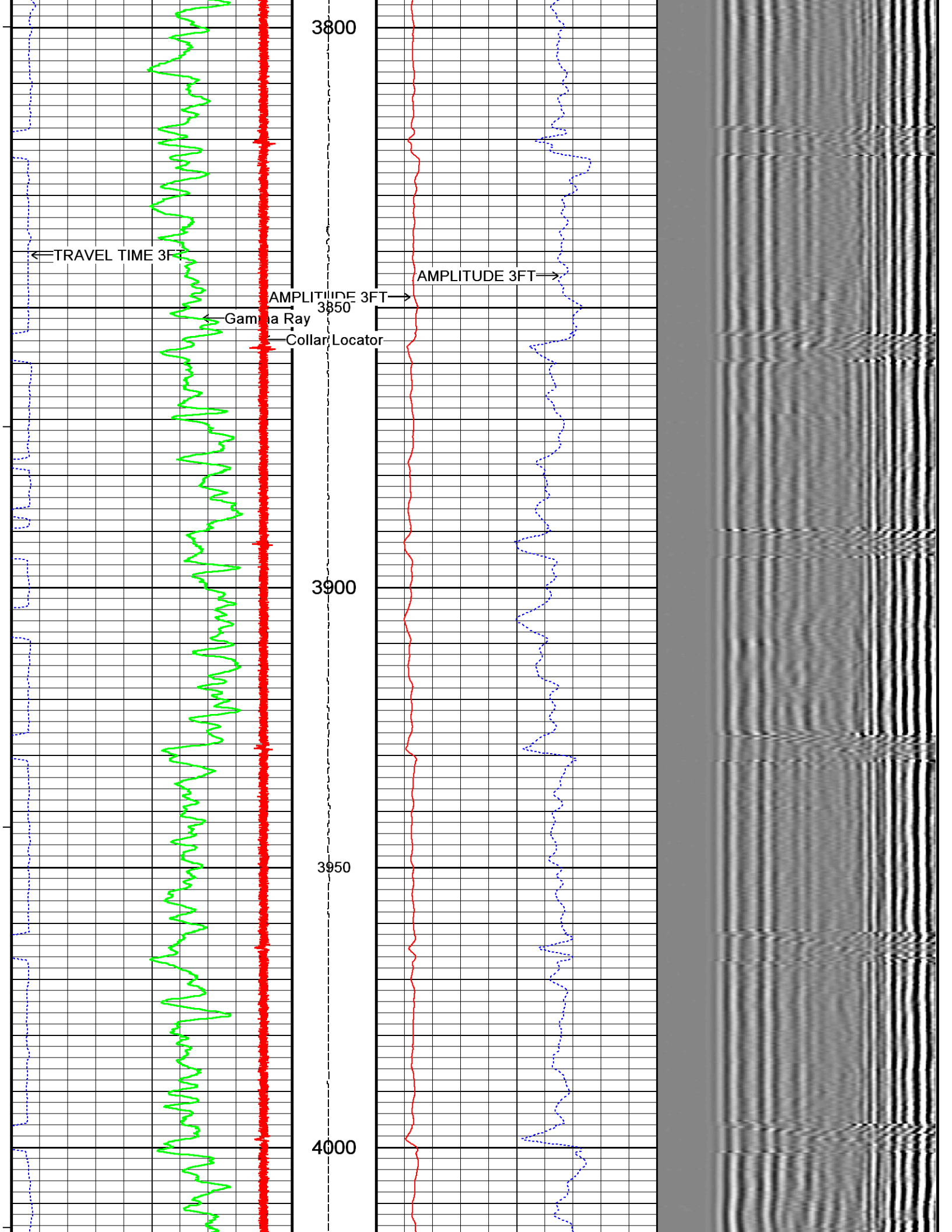


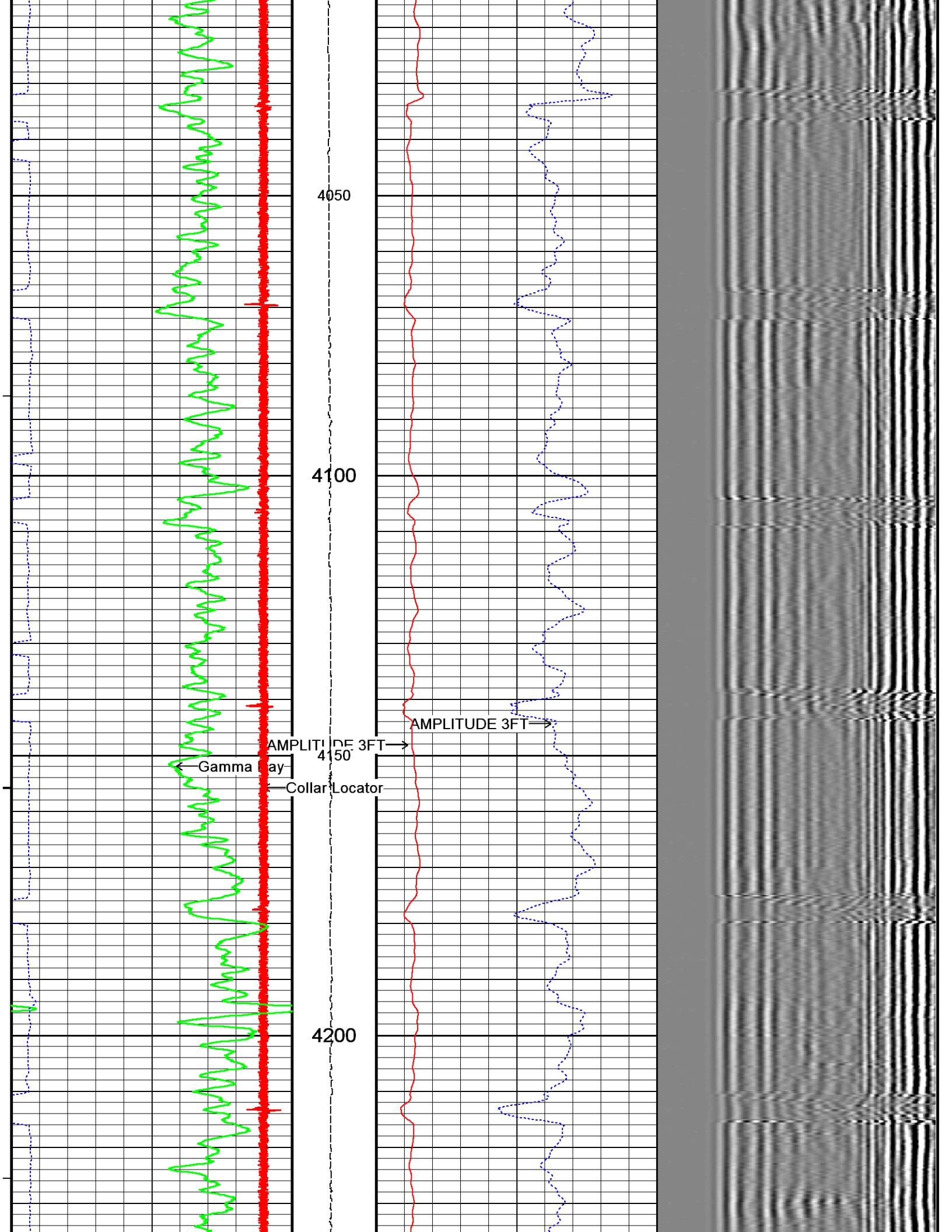


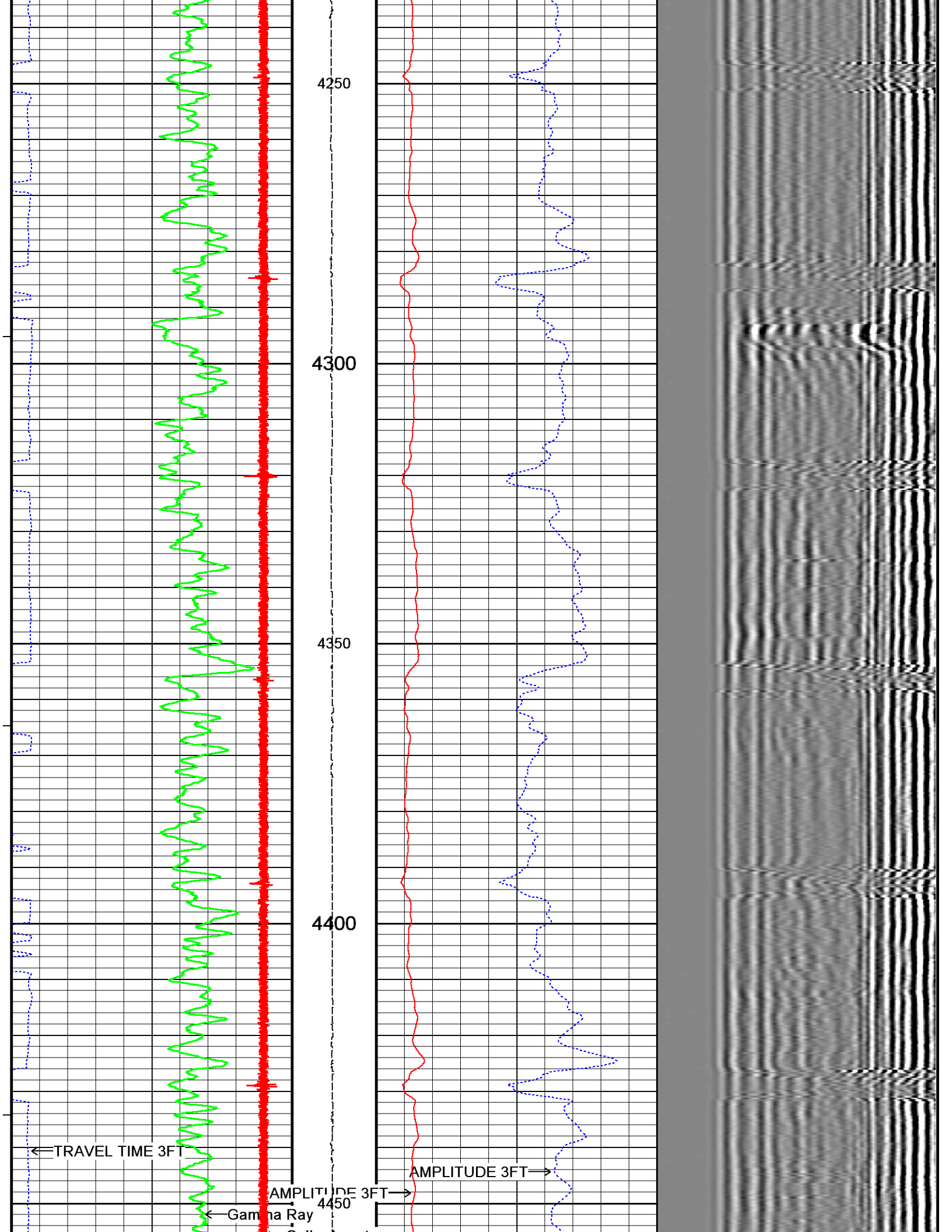




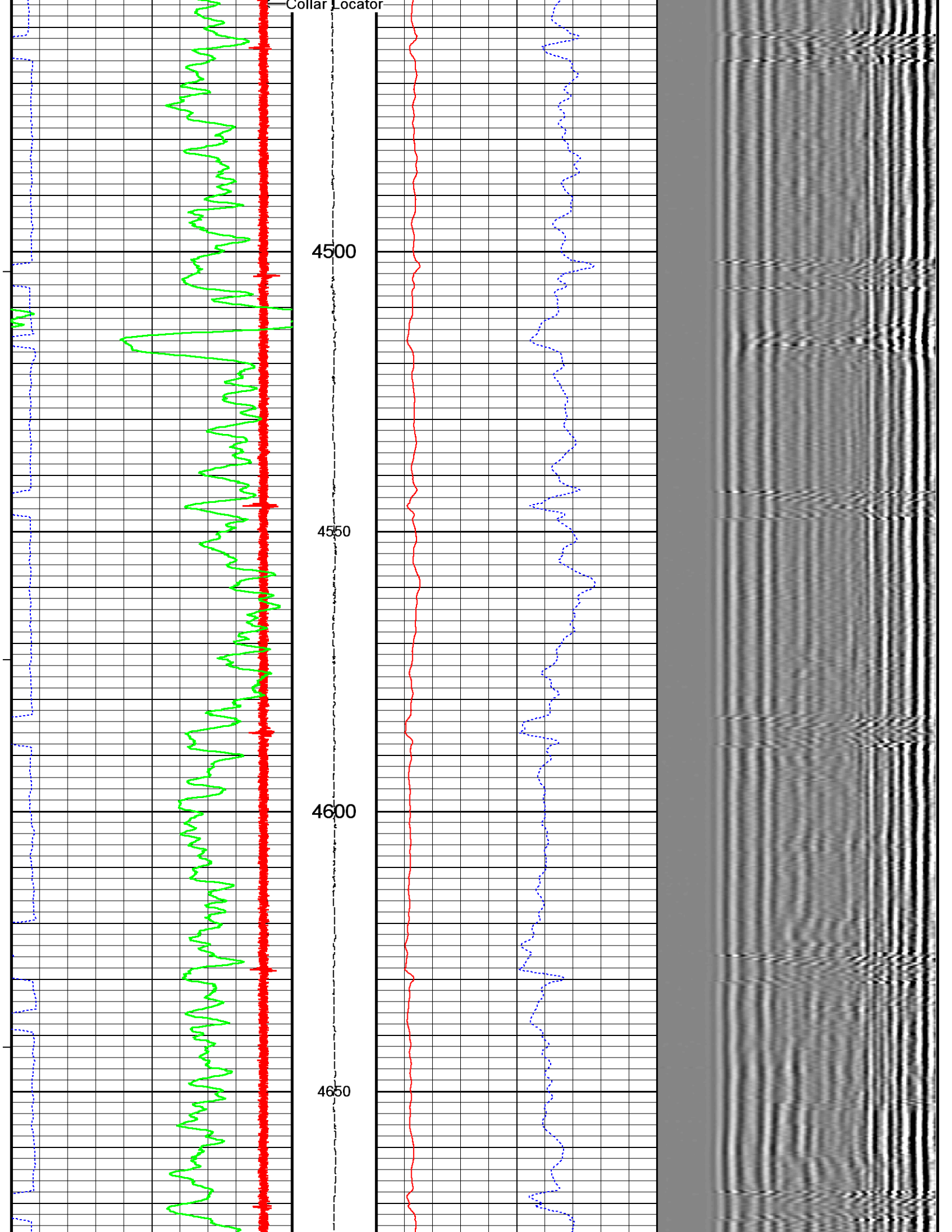


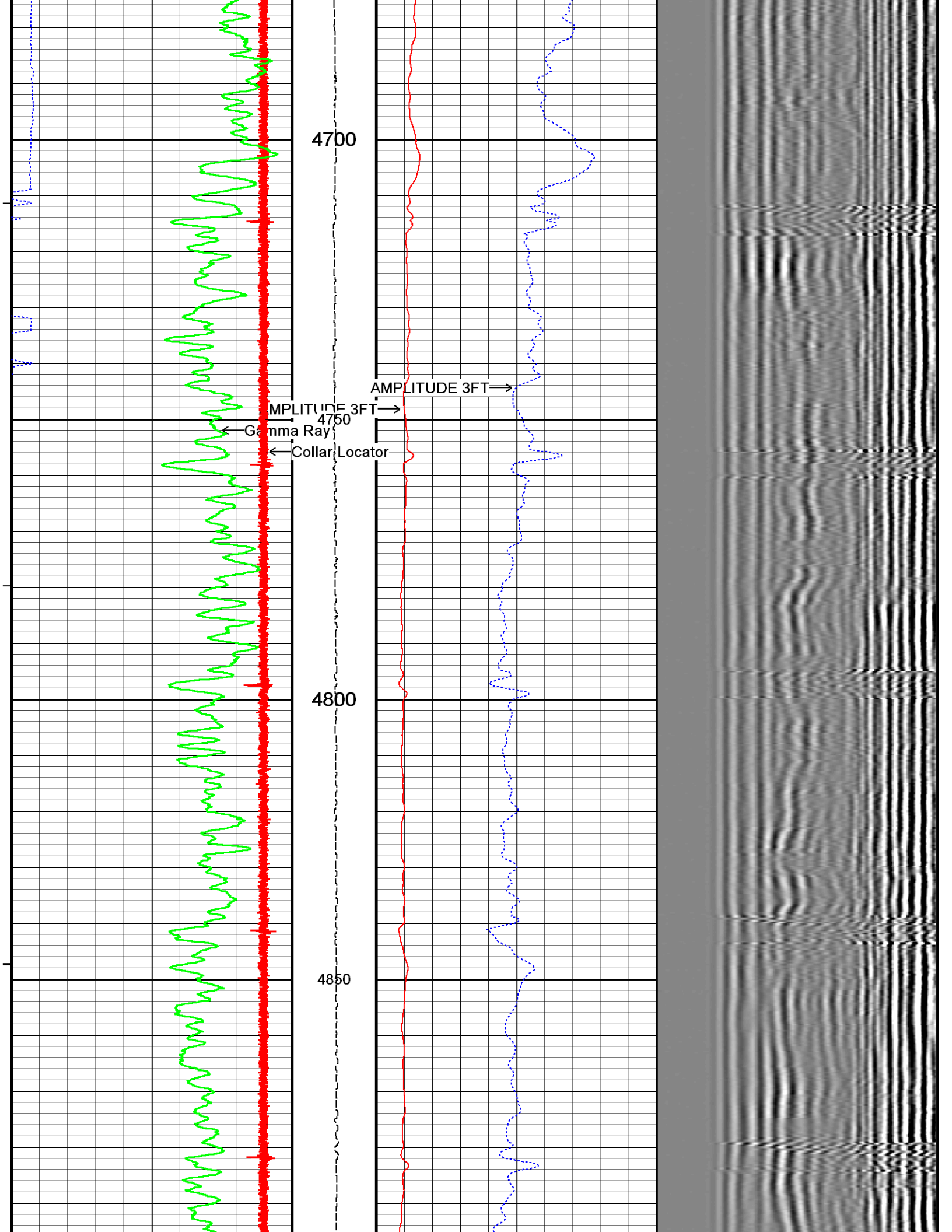


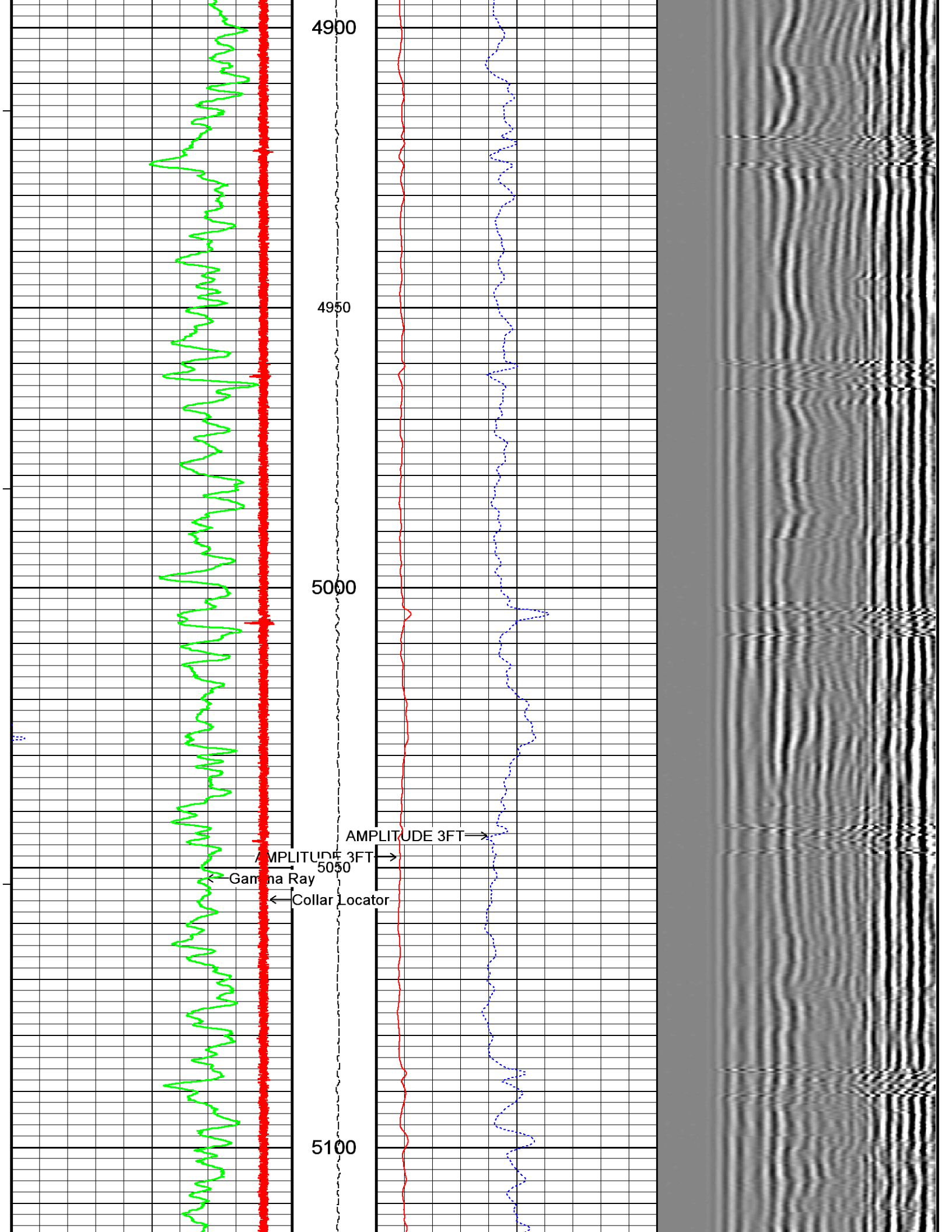


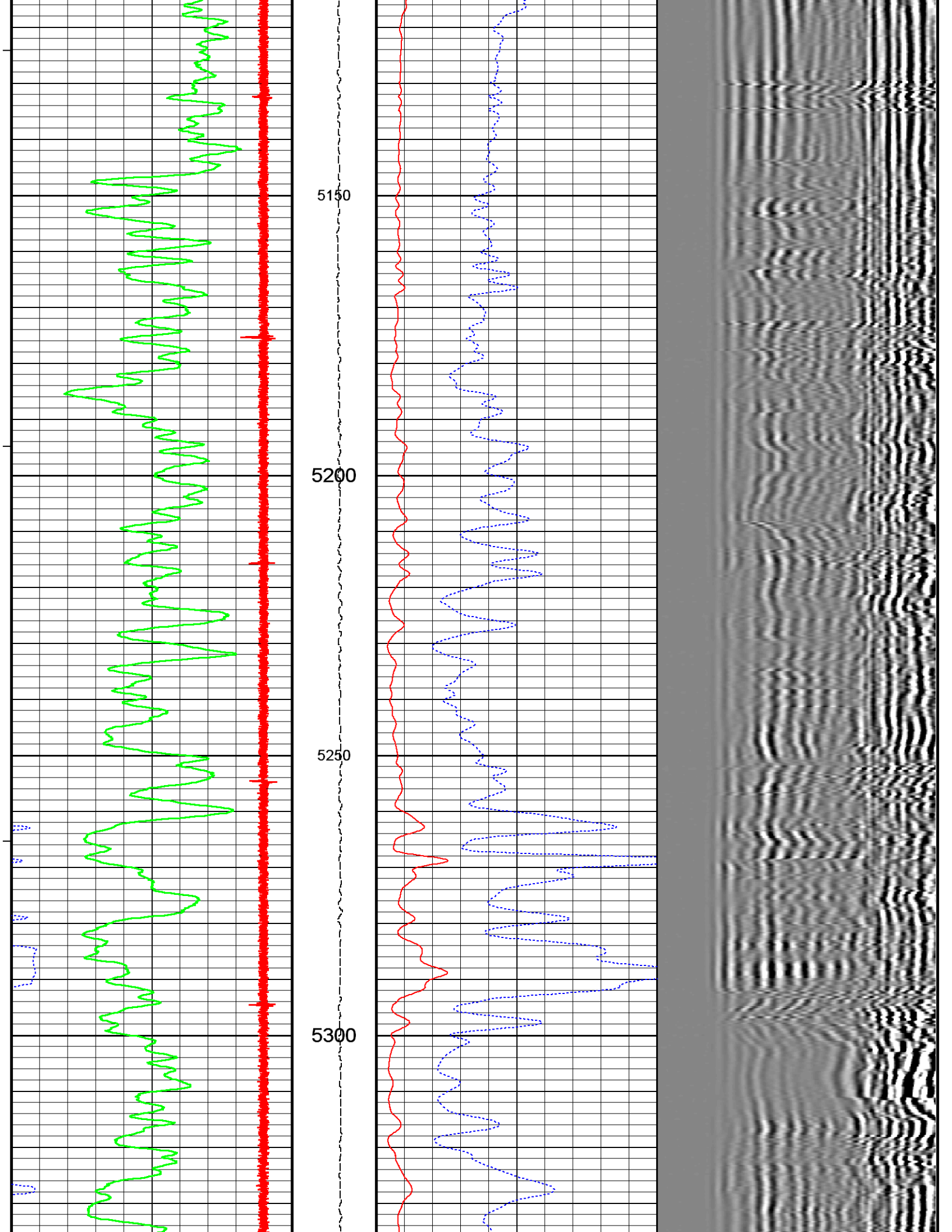


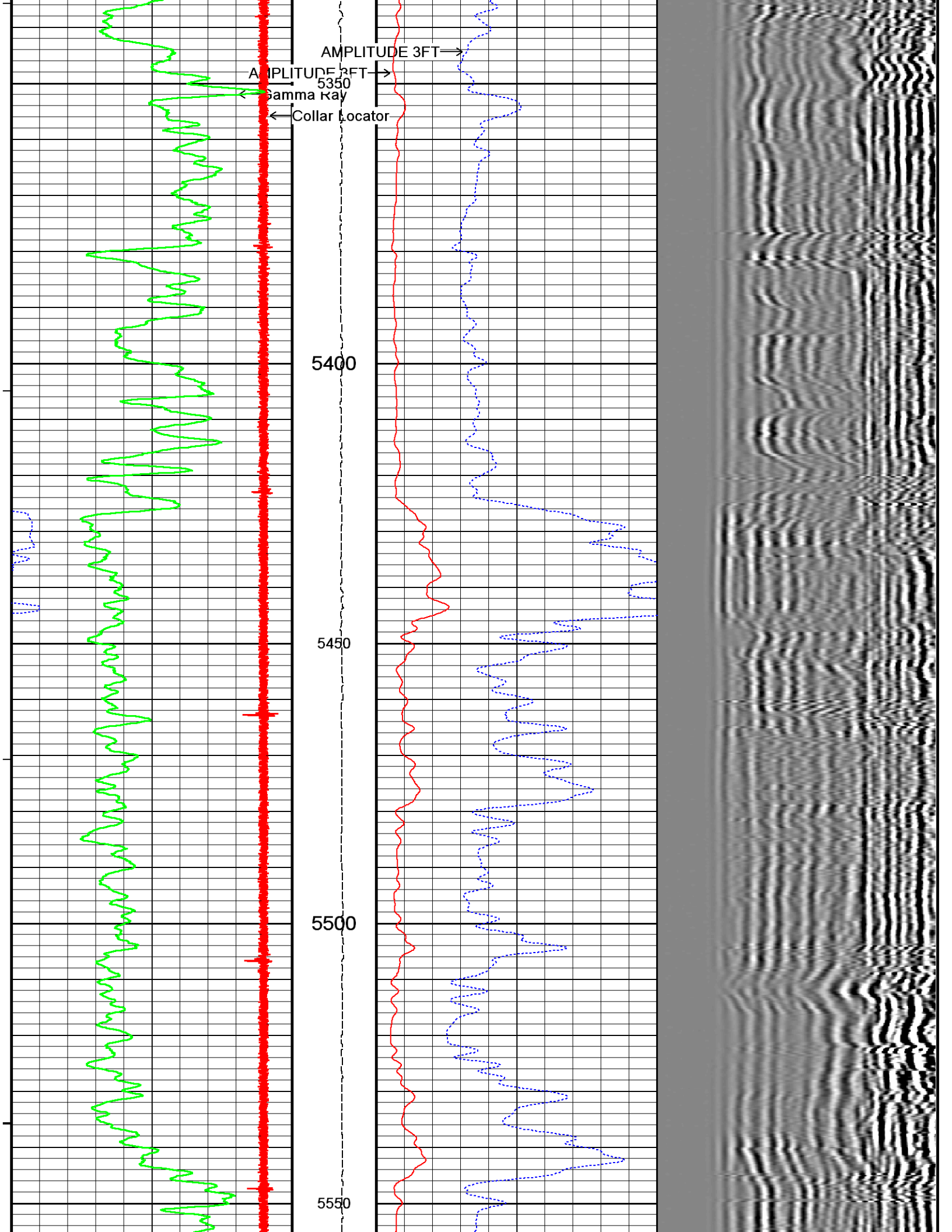
Collar Locator

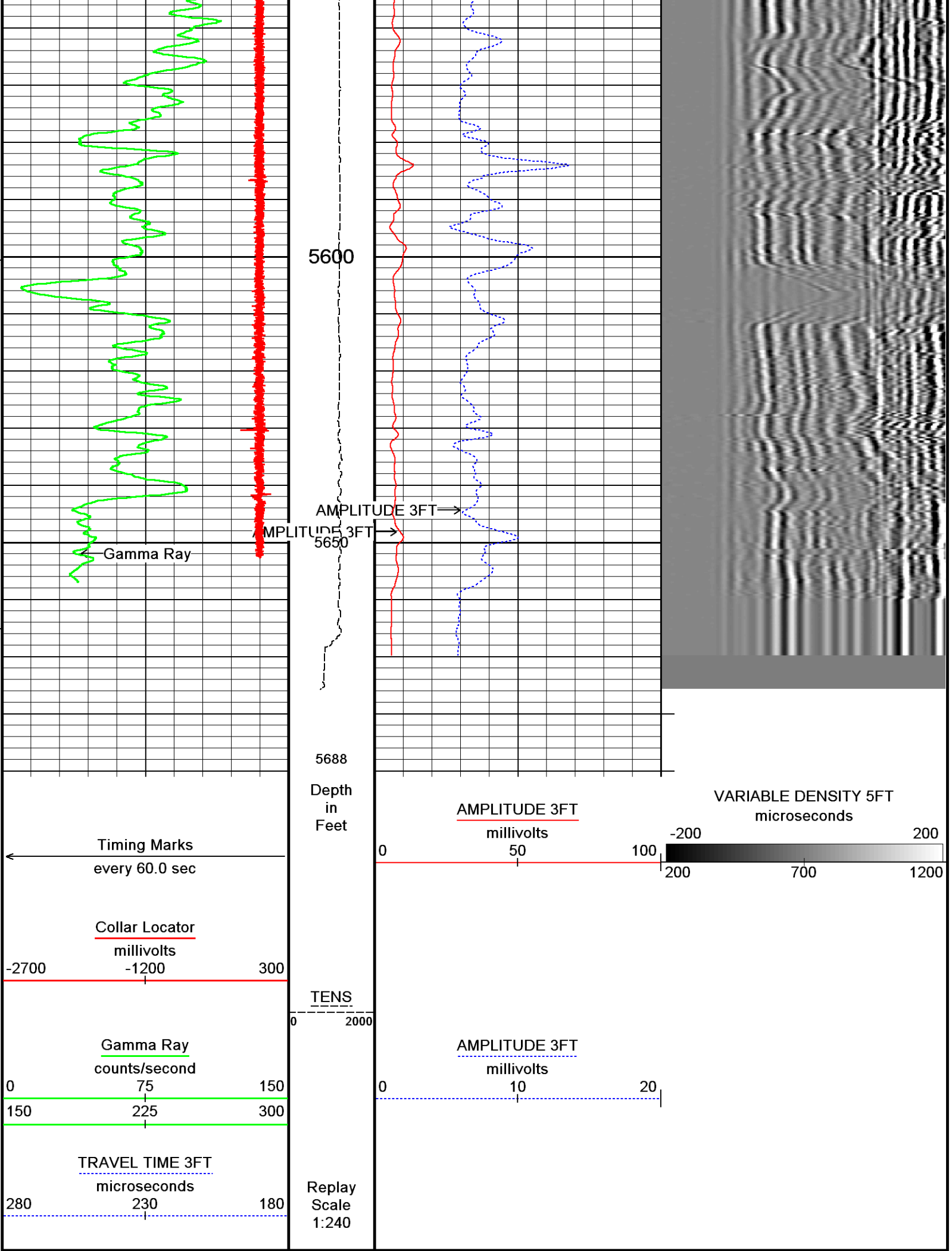






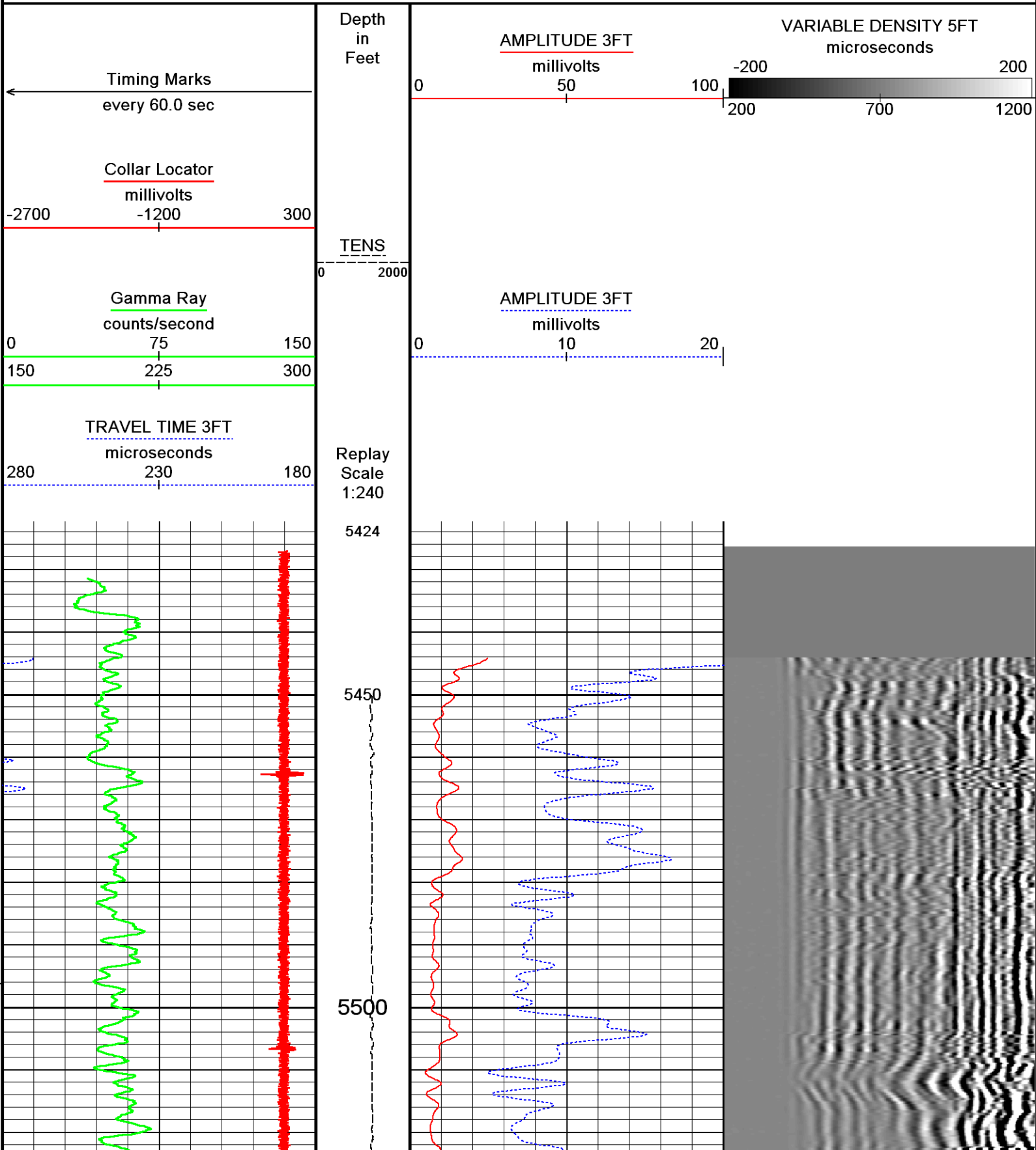


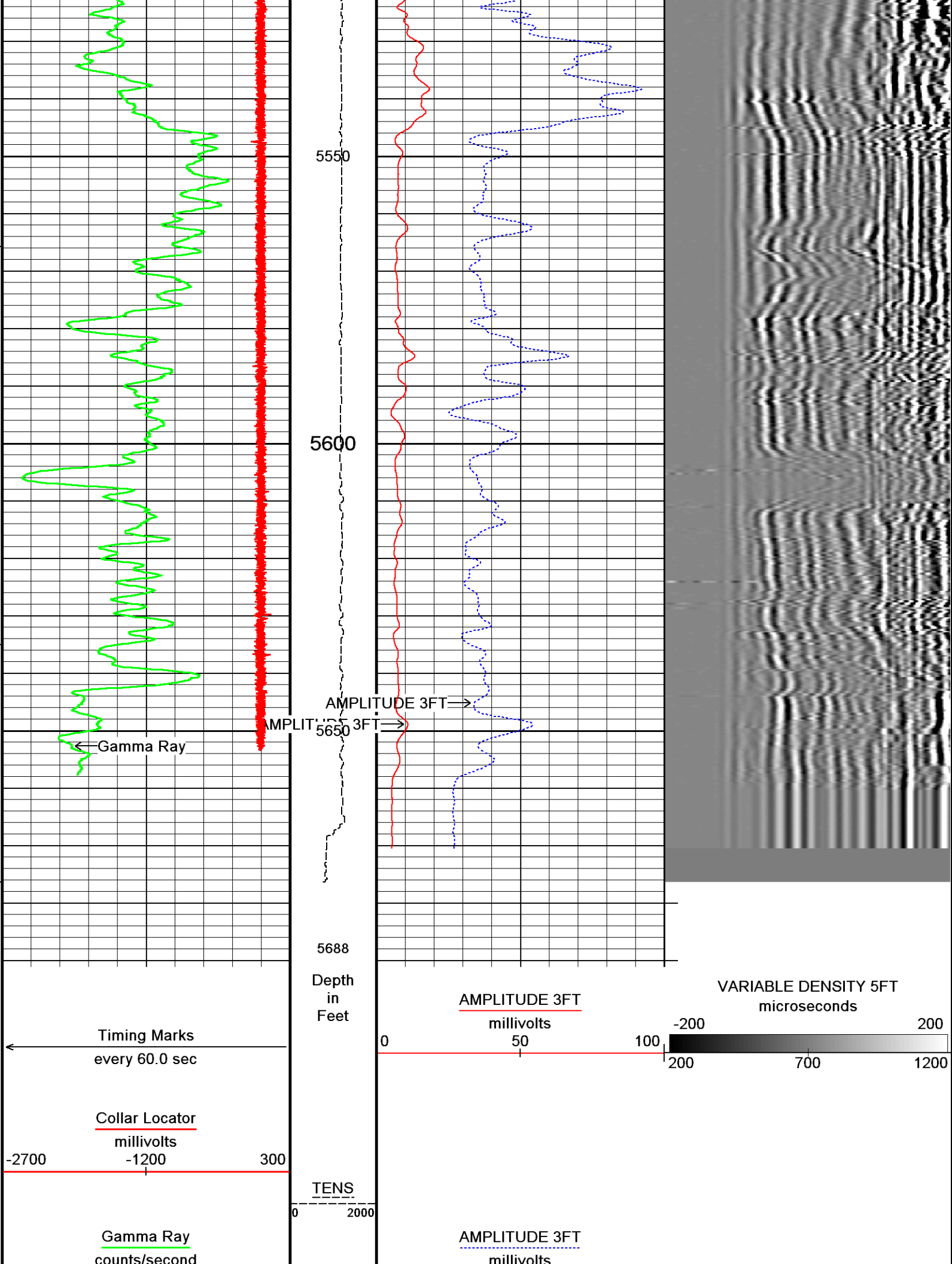


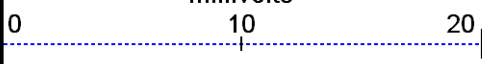
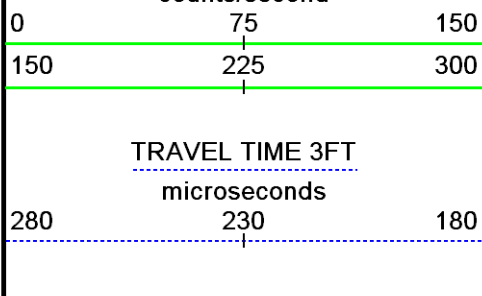


MAIN PASS

REPEAT PASS







Replay
Scale
1:240

Depth Based Data - Maximum Sampling Increment 2.5cm
 Filename: C:\Logs\199861\CBL REPEAT.dta
 System Versions: Logged with 13.06.9422 Plotted with 13.06.9422
 Plotted on 27-JUN-2013 10:04
 Recorded on 27-JUN-2013 08:26

↑ REPEAT PASS ↑

DOWNHOLE EQUIPMENT

C:\Logs\199861\CBL MAIN.dta

Mono-Cablehead
 MCH-AA 0 LG: 1.02 ft WT: 2.2 lb OD: 1.42 in

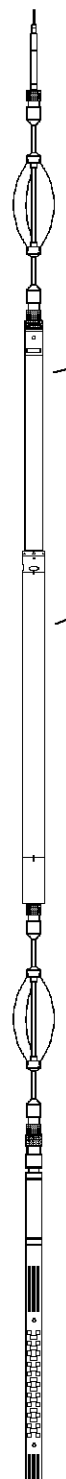
2.75in Bond Cent
 CEN-AA 219 LG: 2.49 ft WT: 11.0 lb OD: 2.72 in

2.75" CCL/Telemetry Sub
 CTB-AB 296 LG: 3.40 ft WT: 39.7 lb OD: 2.76 in

2.75" Gamma Ray Tool
 GRB-AA 263 LG: 4.71 ft WT: 59.5 lb OD: 2.76 in

2.75in SBT Middle
 CEN-BA 241 LG: 3.08 ft WT: 22.0 lb OD: 2.72 in

Sector Bond Tool
 SBT-AA 272 LG: 10.32 ft WT: 90.4 lb OD: 2.72 in



23.23 ft CCL - Collar Locator

19.64 ft GR - Gamma Ray

6.95 ft TT3F - TRAVEL TIME 3FT
 6.95 ft AM3F - AMPLITUDE 3FT
 5.95 ft VDL2 - VARIABLE DENSITY 5FT

2.75in Bond Cent
 CEN-AA 222 LG: 2.49 ft WT: 11.0 lb OD: 2.72 in

Total Length: 27.51 ft Weight: 235.9 lb



0.00 ft TENS - Tension
 Tool Zero (0.00ft from bottom)
 All measurements relative to tool zero.

COMPANY	PETROLEUM REOURCE MANAGEMENT CORP.
WELL	SHEE HAN 2 4-2
FIELD	WILDCAT
PROVINCE/COUNTY	MOFFAT
COUNTRY/STATE	COLORADO

Elevation Kelly Bushing	8280.00	feet	Bottom Log Interval	5660.00	feet
Elevation Drill Floor	8279.00	feet	Depth Driller	7100.00	feet
Elevation Ground Level	8266.00	feet	Depth Logger	5666.00	feet



Weatherford[®]

CEMENT BOND LOG
 GAMMA RAY / CCL LOG