



Weatherford®

CEMENT BOND LOG

COMPANY		TAOS RESOURCES OPERATING CO.					
WELL		WEST MADDIX UNIT #114					
FIELD		MADDIX					
PROVINCE/COUNTY		COWLEY					
COUNTRY/STATE		U.S.A./KANSAS					
LOCATION		165' FNL & 330' FWL					
SEC 14	TWP 33S	RGE 5E	Other Services PERFORATIONS				
Latitude							
Longitude							
API Number		15-035-24547					
Permanent Datum G.L., Elevation 1244 feet							
Log Measured From KB				Elevations:		feet	
Drilling Measured From KELLY BUSHING				KB		1254.00	
				DF		1253.00	
				GL		1244.00	
Date		2-JAN-2014		PERFORATION RECORD			
Run Number		ONE		Shot	Number	Depth From	Depth To
Service Order		207987		Density	of Shots	feet	feet
Type Log		CBL		1SPF	21	3186.00	3206.00
Depth Driller		3650.00		1SPF	15	3222.00	3236.00
Depth Logger		3610.00		1SPF	21	3242.00	3262.00
Top Log Interval		1470.00		1SPF	21	3270.00	3290.00
Bottom Log Interval		3604.00					
Hole Fluid Type		WATER					
Hole Fluid Level		0.00		feet			
Restriction ID		4.960		inches	Gun Type	SLICK	
Max Recorded Temp		115.00		deg F	Gun Size	3.125	
Well Head Pressure		0.00		psia	CASING / TUBING RECORD		
Well Head Equipment		PACKOFF		Size	Weight	Depth From	Depth To
Time Well Ready		0830		inches	pounds/ft	feet	feet
Time Logger Bottom		0915		5.500	15.50	0.00	3650.00
Unit		14193					
Equipment Name		WSS-E					
Base		OKC					
Recorded By		L.KRAUTLARGER					
Witnessed By		MR. RAY DOROTHY					

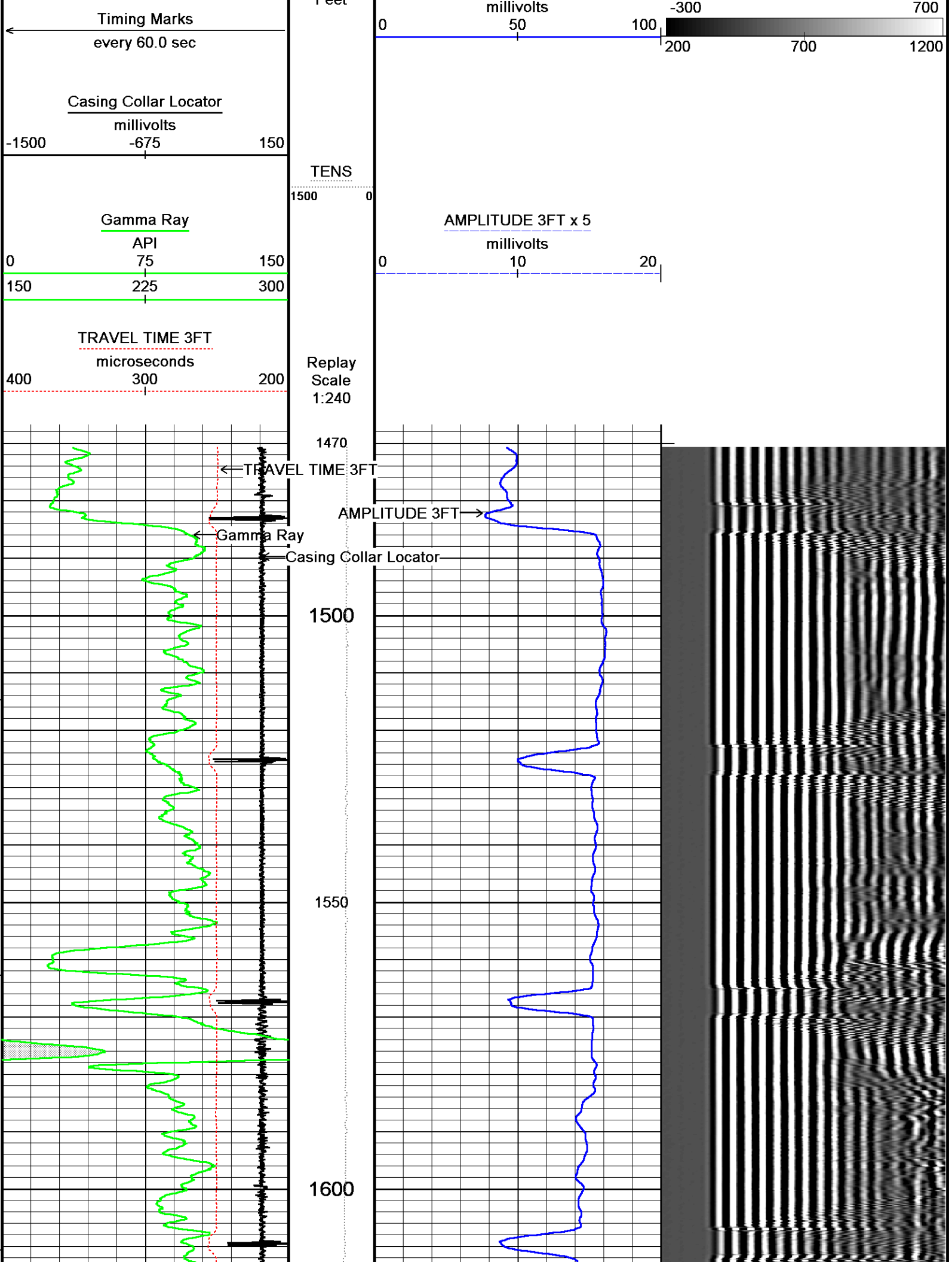
REMARKS

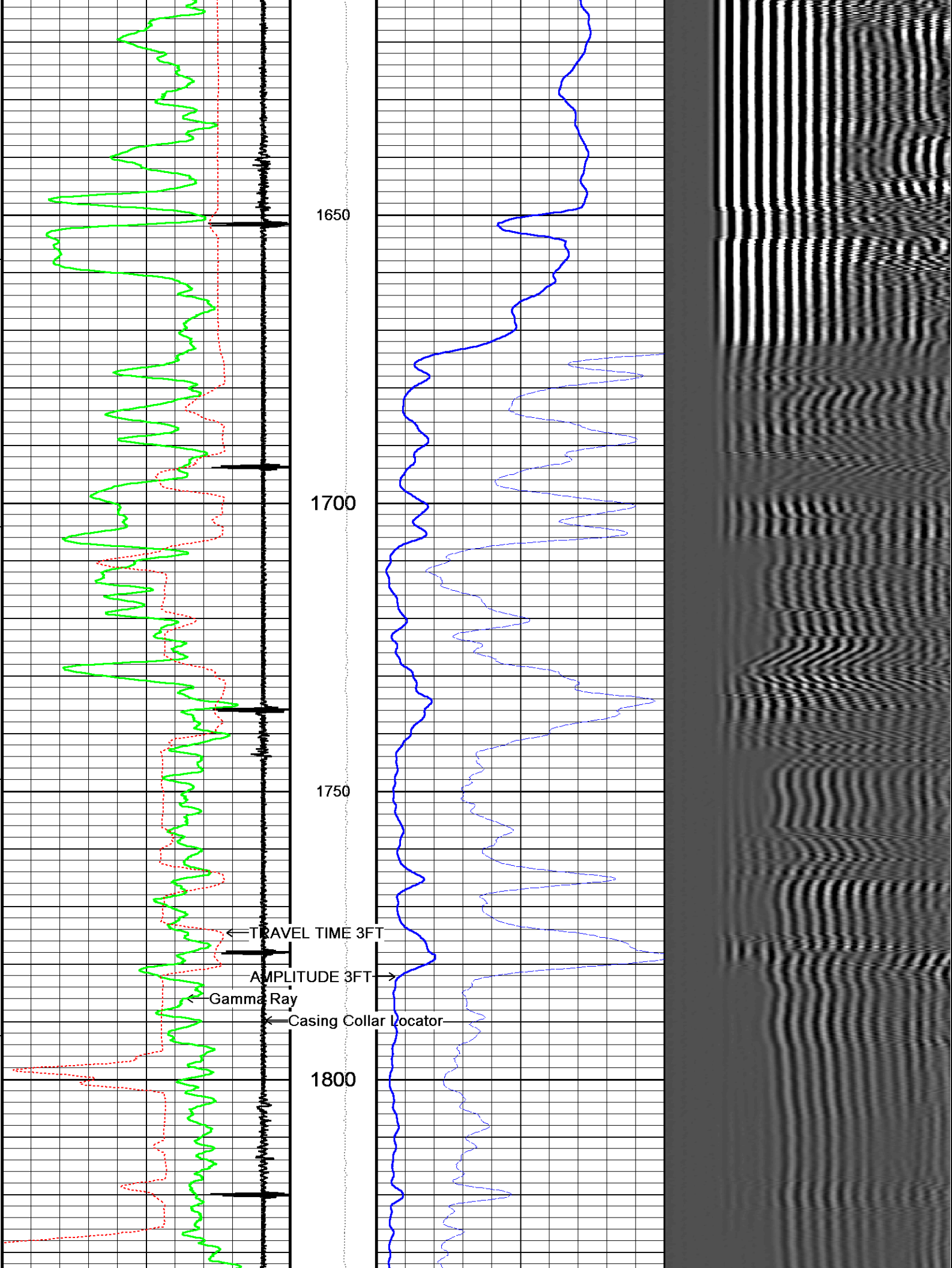
DID NOT MAKE GAUGE RING RUN PRIOR TO LOGGING
CORREALATED TO ALLIED WIRELINE COMPOSITE LOG DATED 11-DEC-2013
SHORT JOINTS AT 2742' - 2747' AND 3042' - 3061
CEMENT TOP AT 1670'

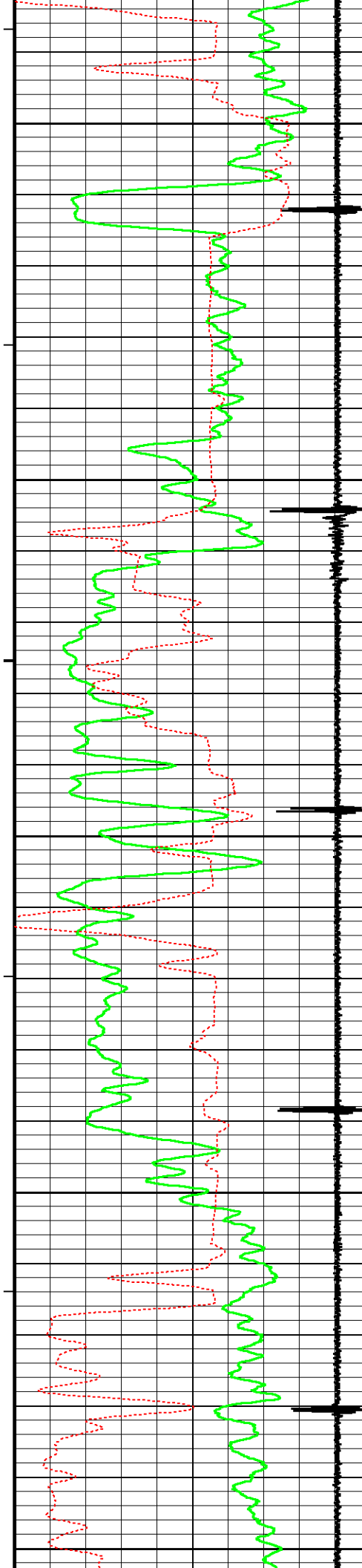
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will 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.

MAIN PASS	
Depth Based Data - Maximum Sampling Increment 2.5cm	Plotted on 02-JAN-2014 12:37
Filename: C:\TAOS1_2_14\MAINPASS.dta	Recorded on 02-JAN-2014 09:34
System Versions: Logged with 13.08.2005	Plotted with 13.08.2005

Depth in Feet		AMPLITUDE 3FT	VARIABLE DENSITY 5FT microseconds
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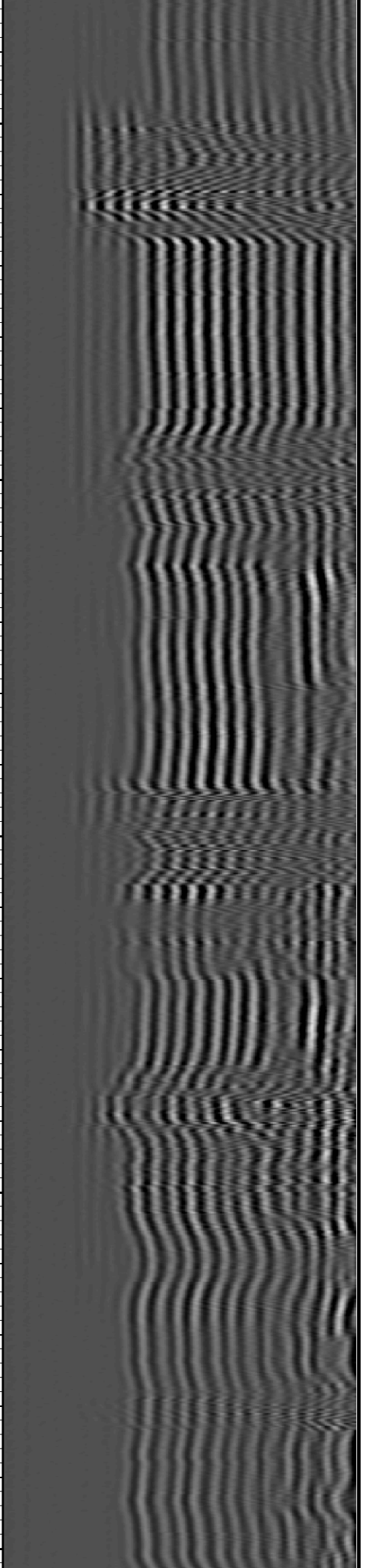
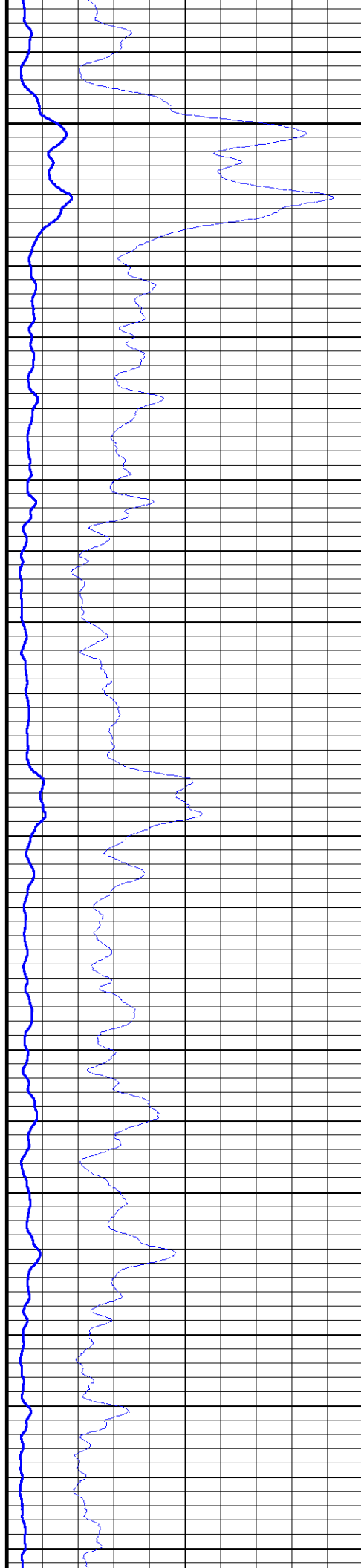
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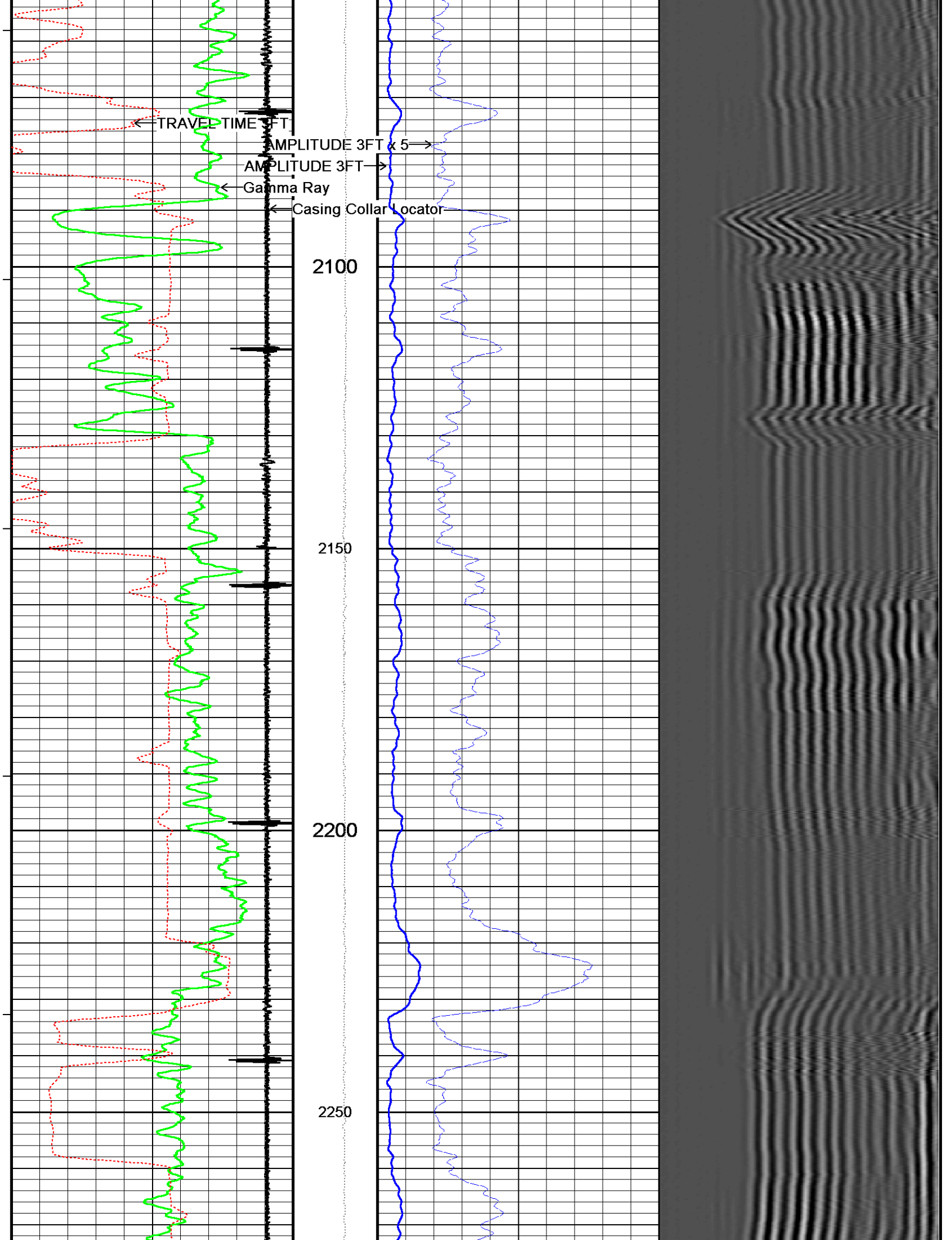
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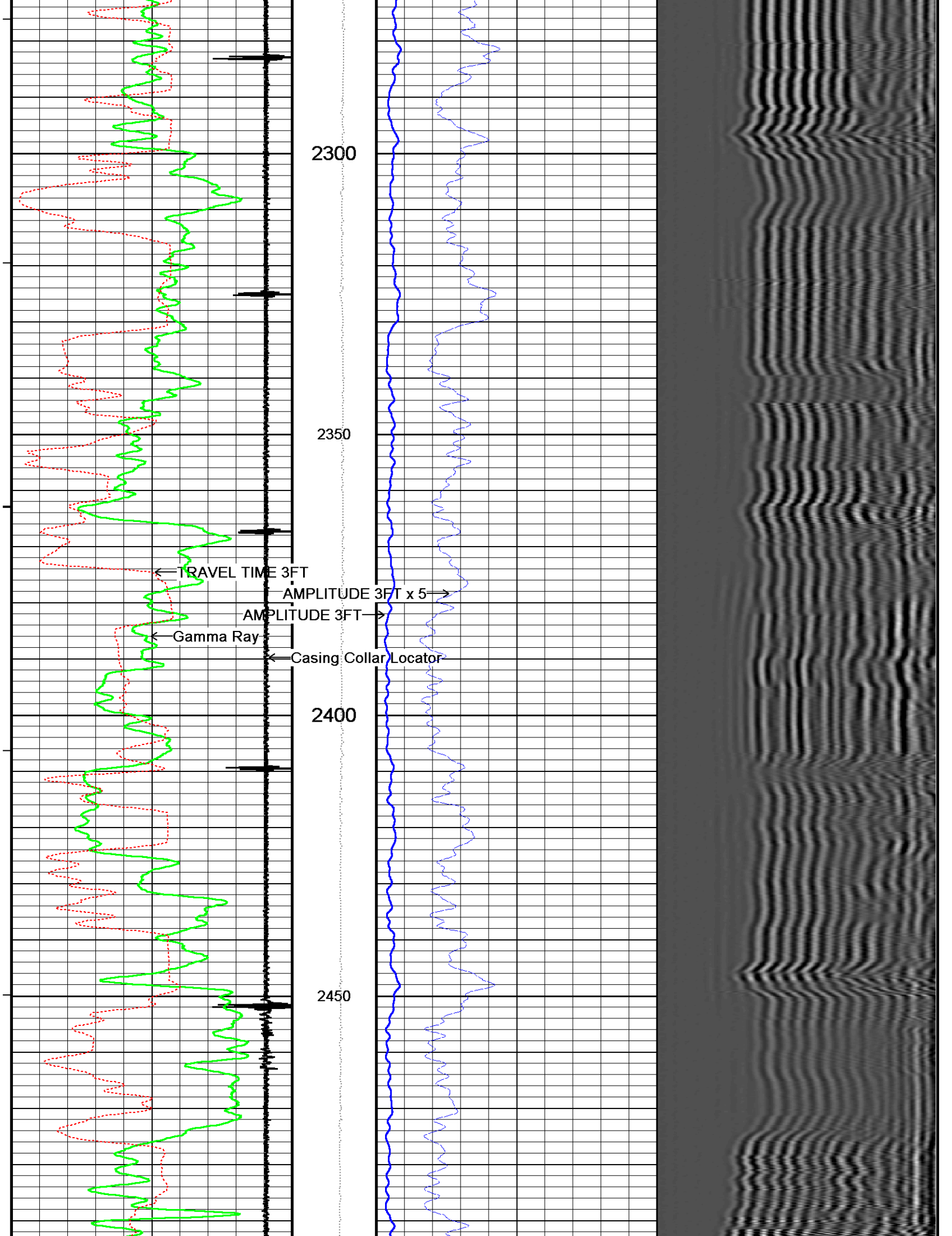
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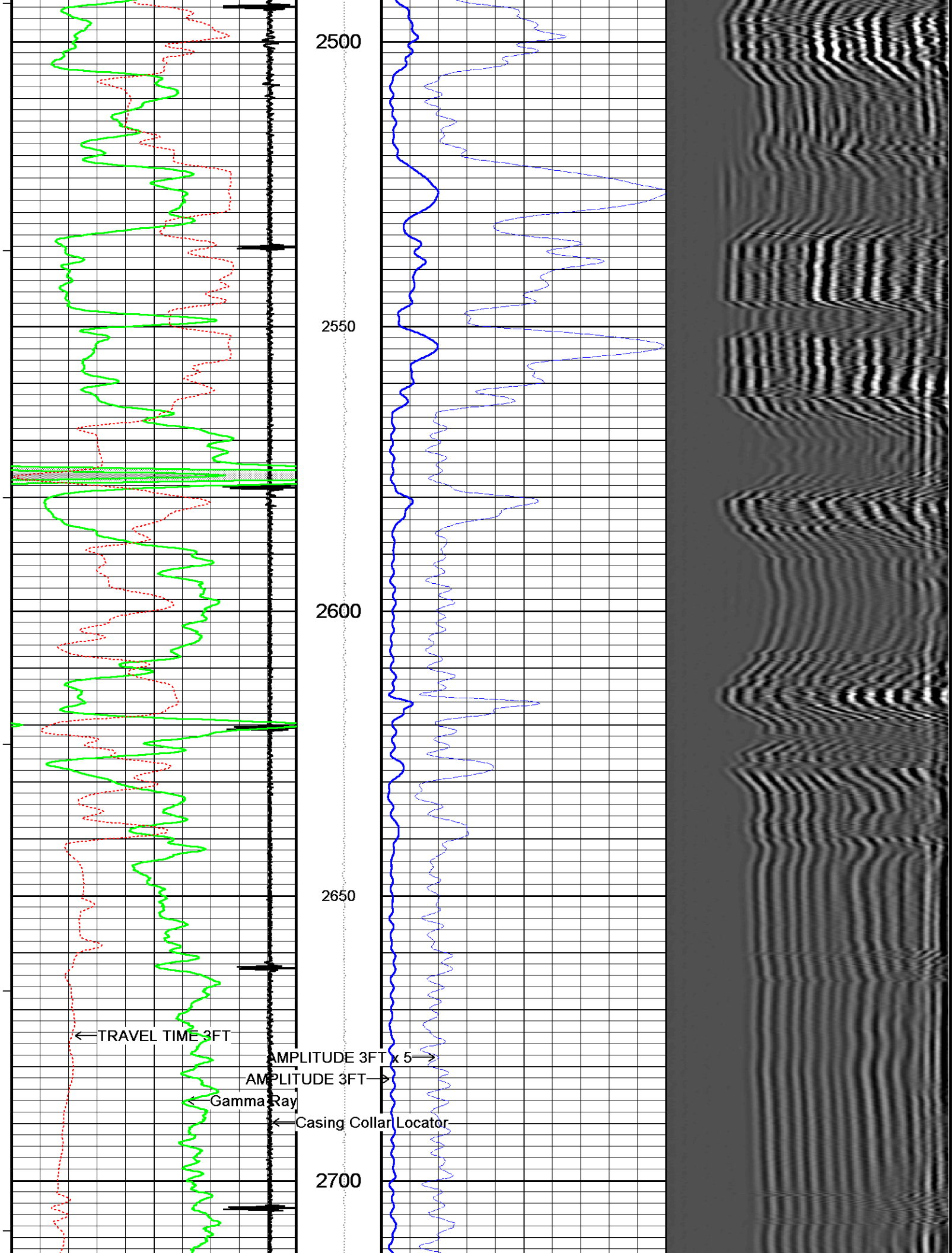
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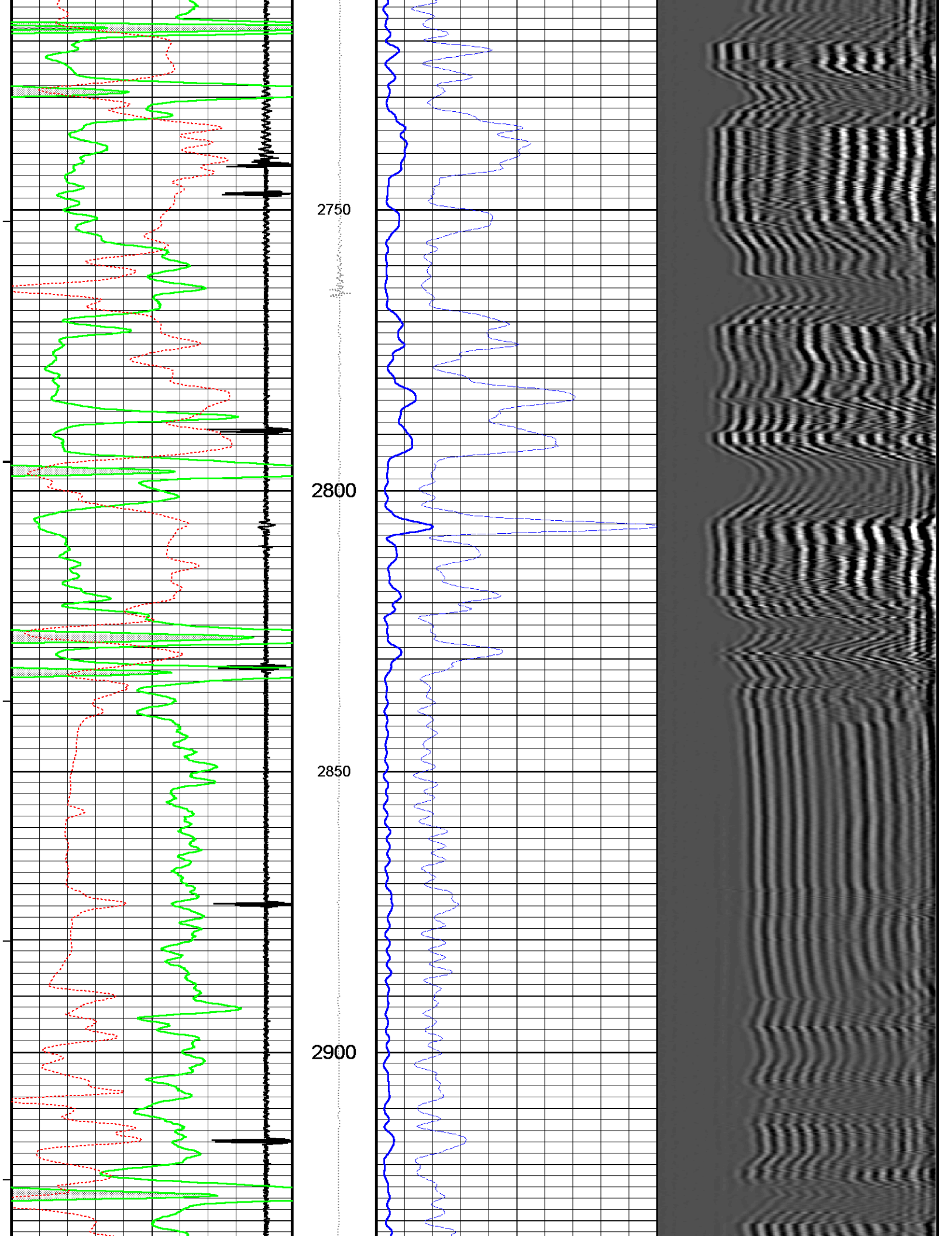
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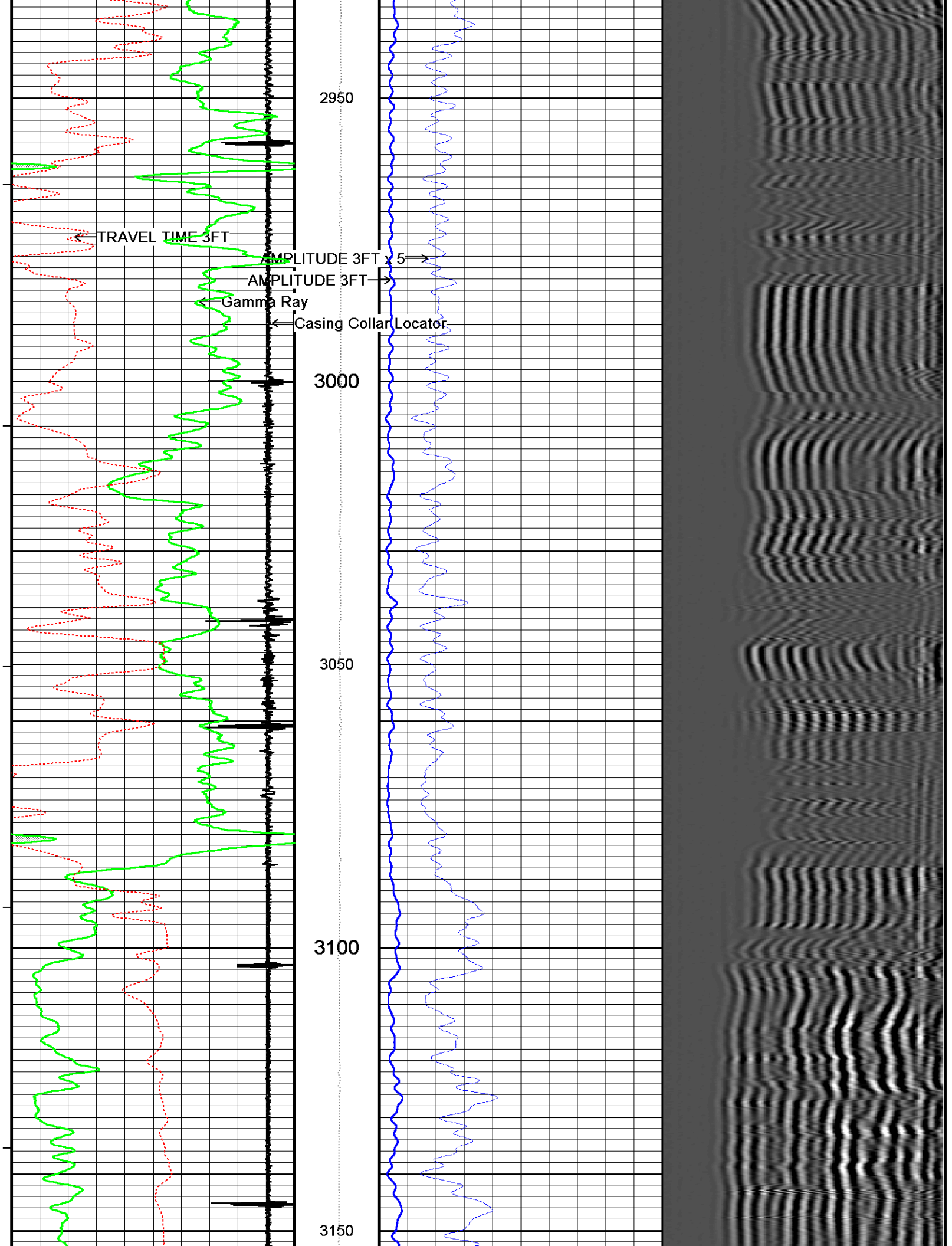


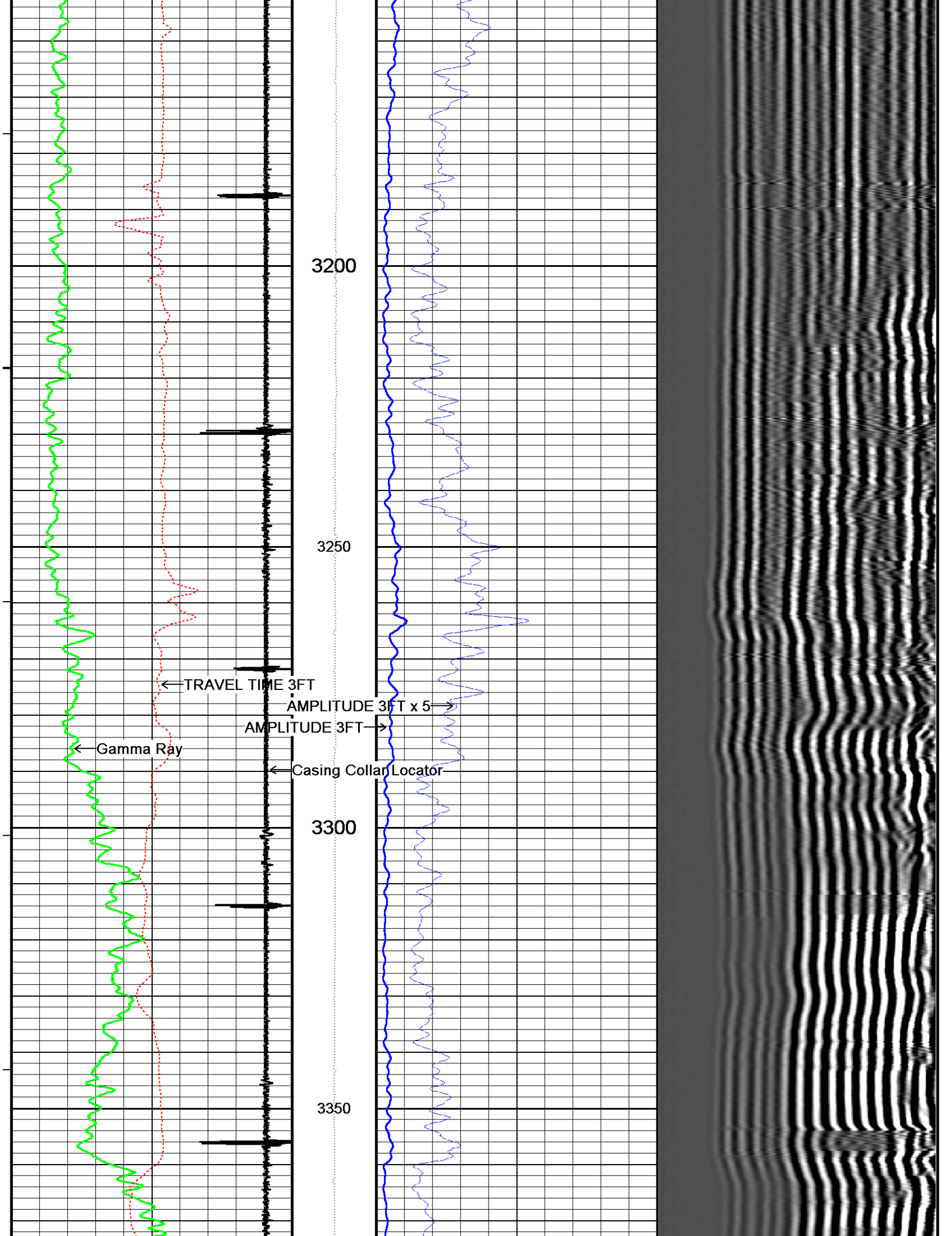


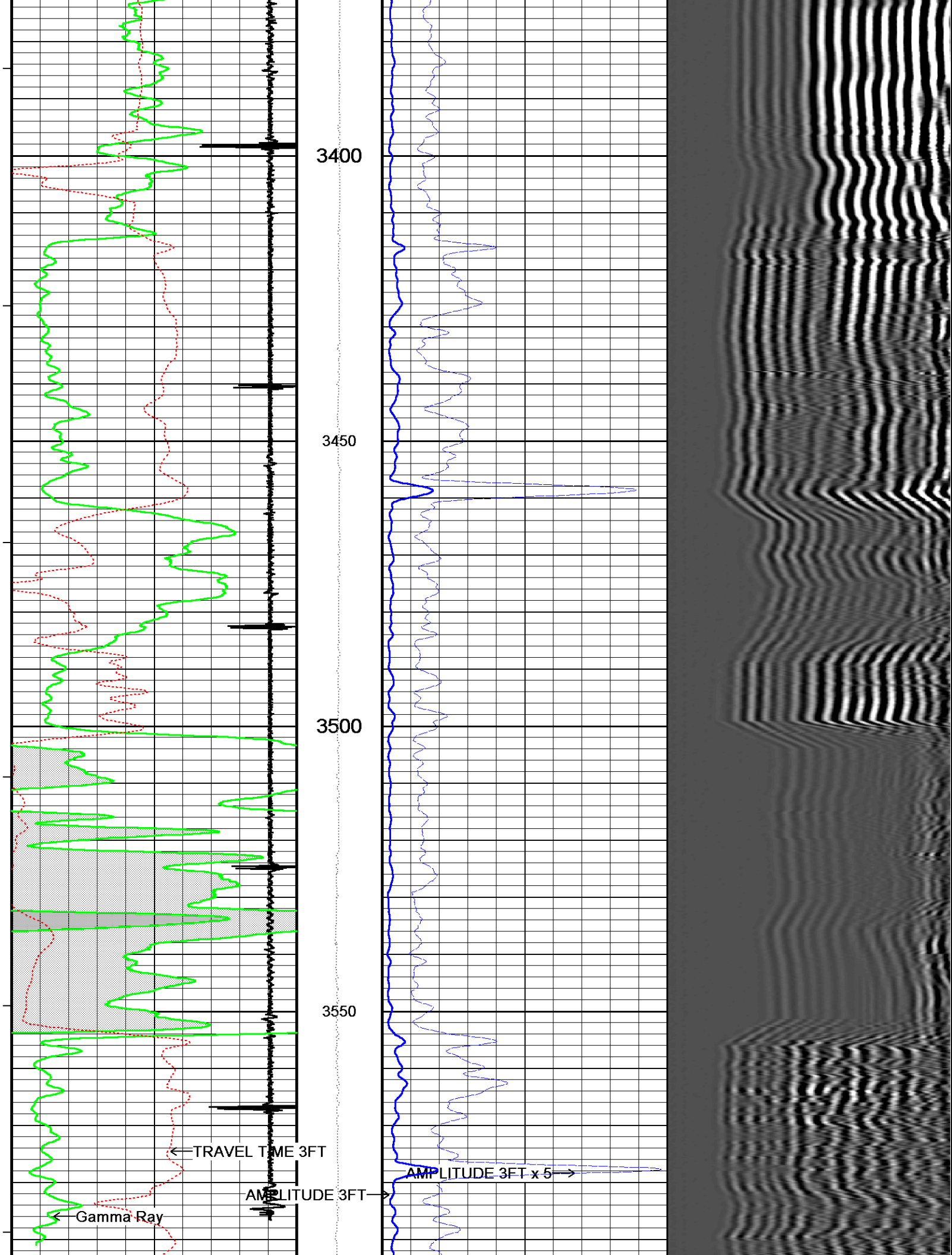


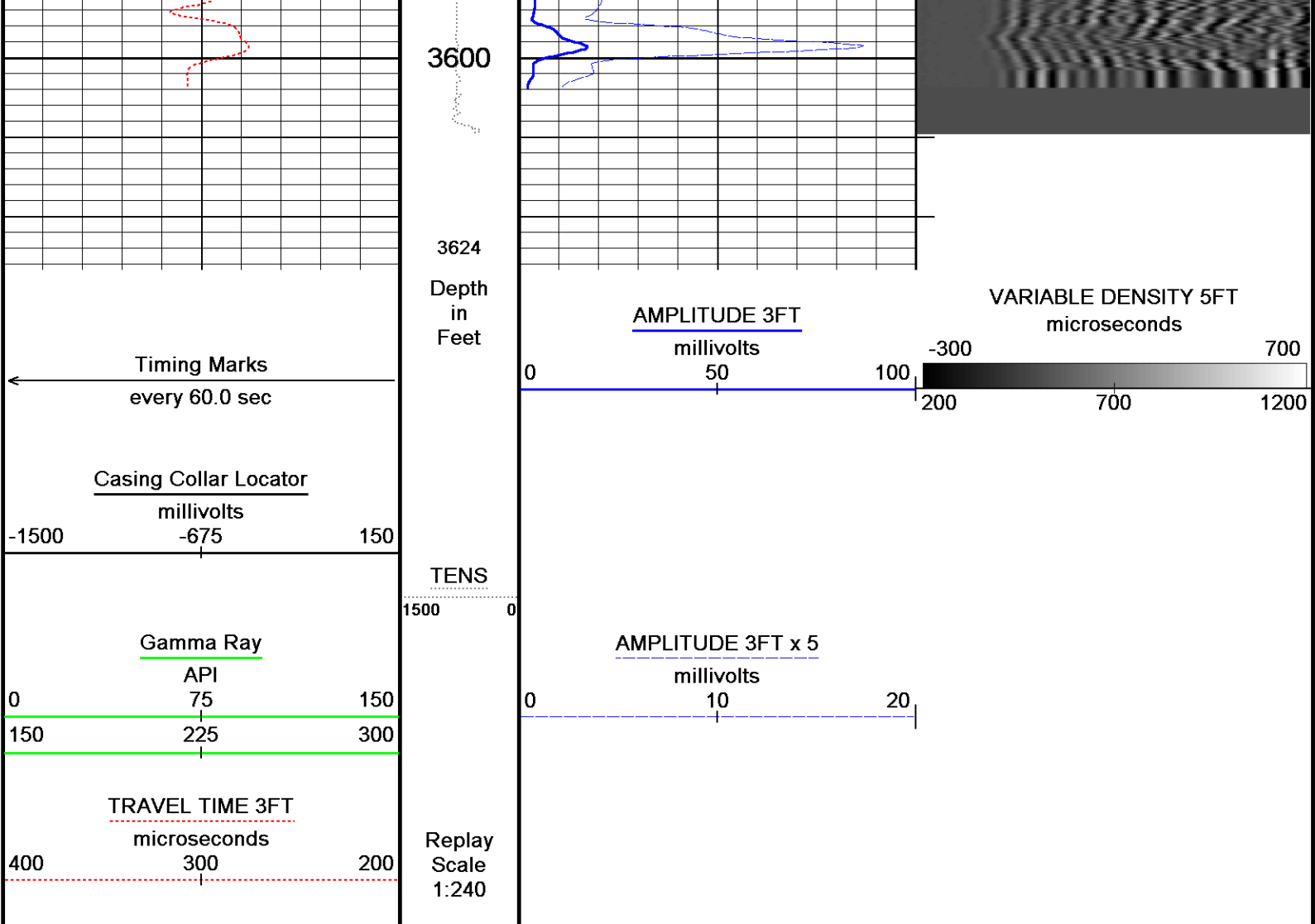










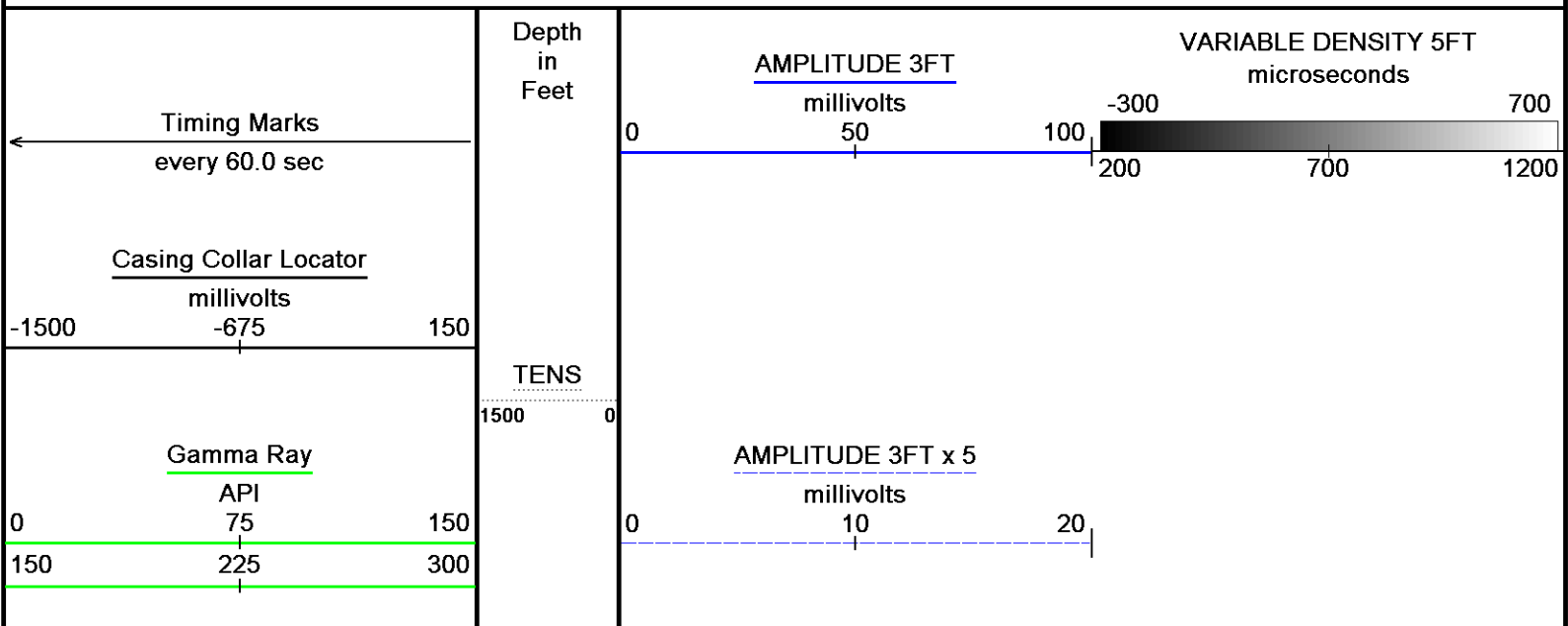


Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 02-JAN-2014 12:37
Filename: C:\TAOS1_2_14\MAINPASS.dta Recorded on 02-JAN-2014 09:34
System Versions: Logged with 13.08.2005 Plotted with 13.08.2005

↑ MAIN PASS ↑

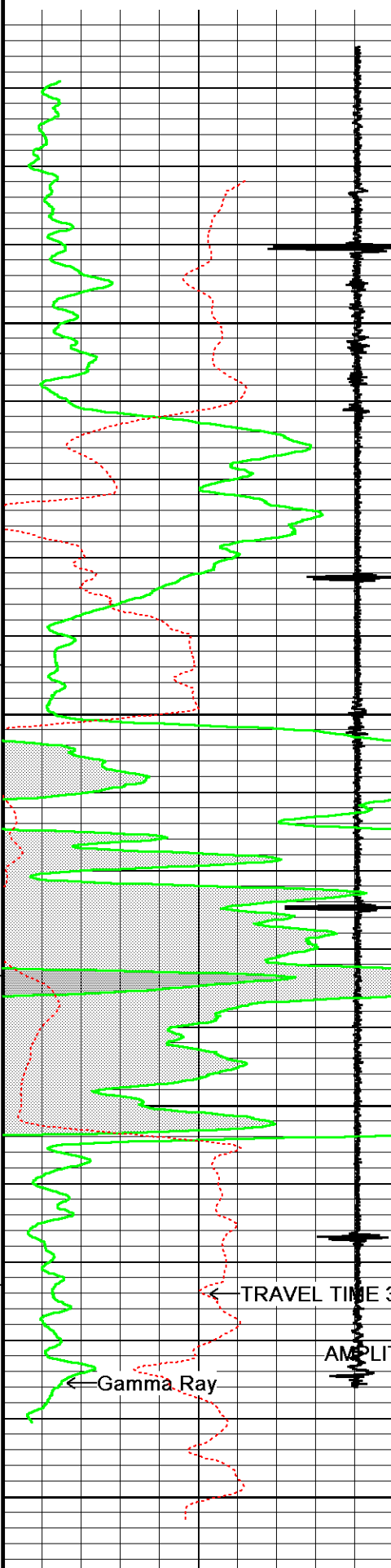
↓ REPEAT PASS ↓

Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 02-JAN-2014 12:37
Filename: C:\TAOS1_2_14\REPEATPASS.dta Recorded on 02-JAN-2014 09:26
System Versions: Logged with 13.08.2005 Plotted with 13.08.2005

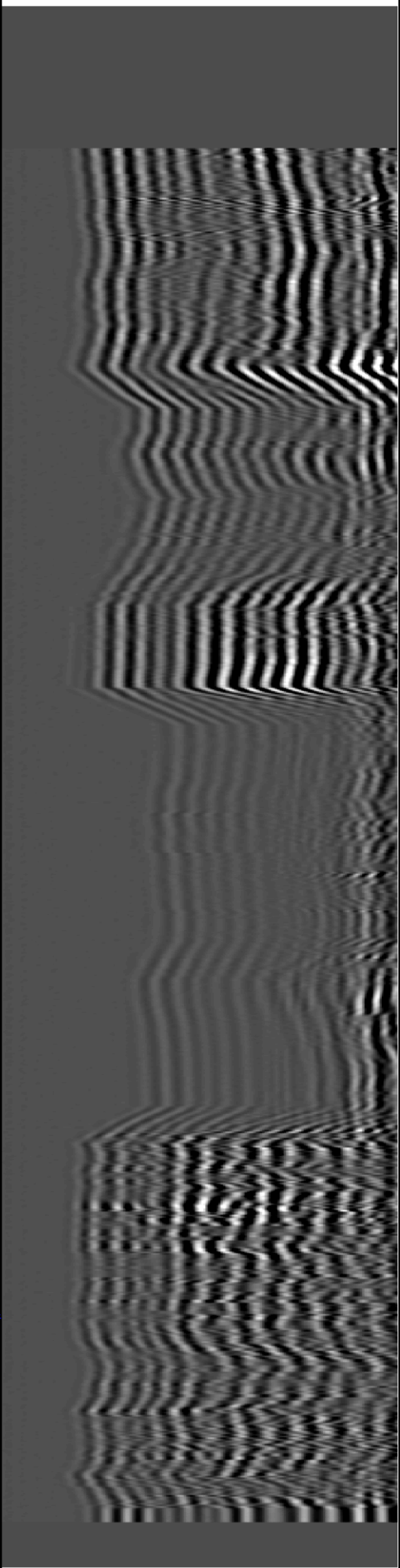
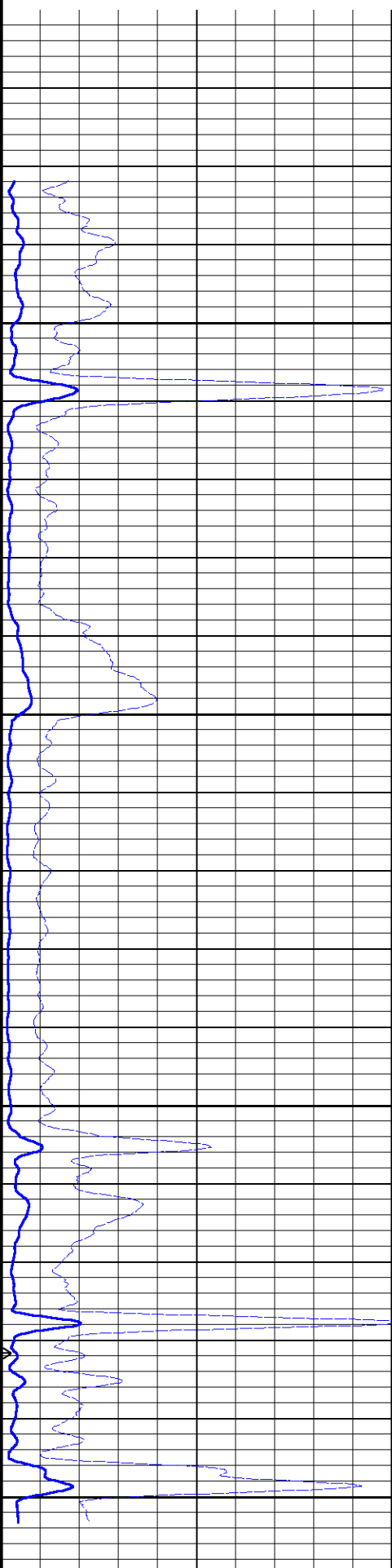


TRAVEL TIME 3FT
microseconds
400 300 200

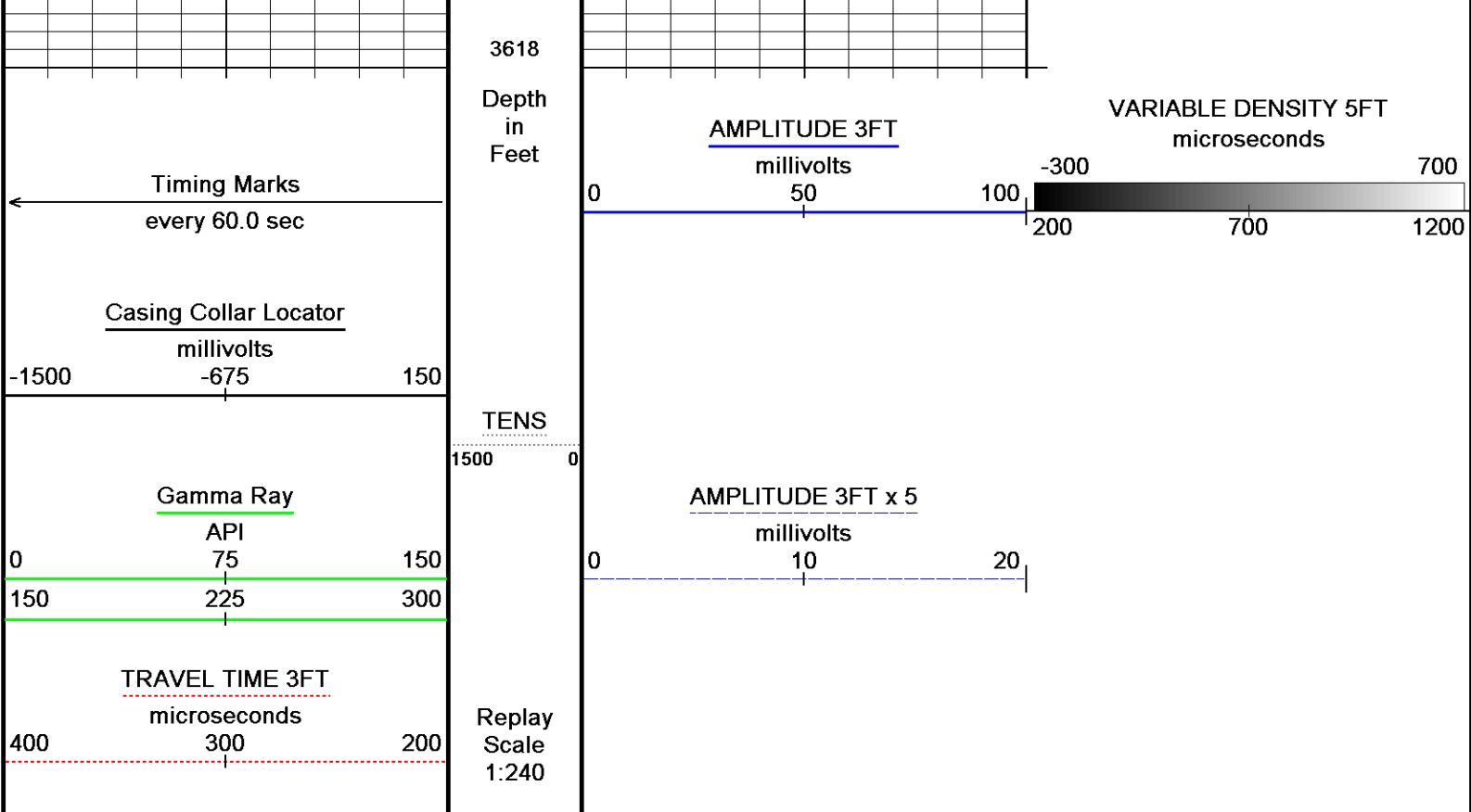
Replay
Scale
1:240



3412
3450
3500
3550
3600



← Gamma Ray
← TRAVEL TIME 3FT
AMPLITUDE 3FT →



Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 02-JAN-2014 12:37

Filename: C:\TAOS1_2_14\REPEATPASS.dta Recorded on 02-JAN-2014 09:26

System Versions: Logged with 13.08.2005 Plotted with 13.08.2005

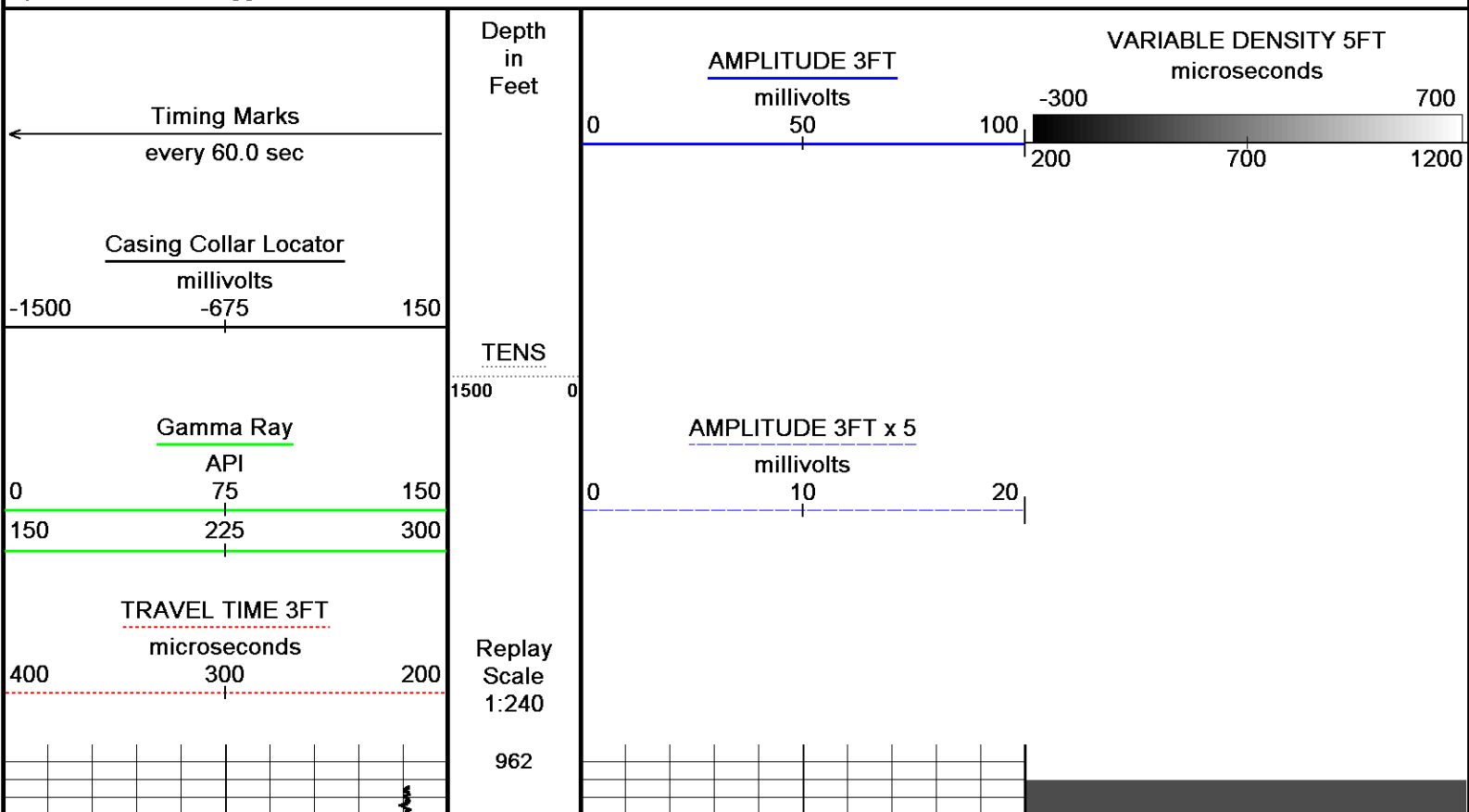
↑ REPEAT PASS ↑

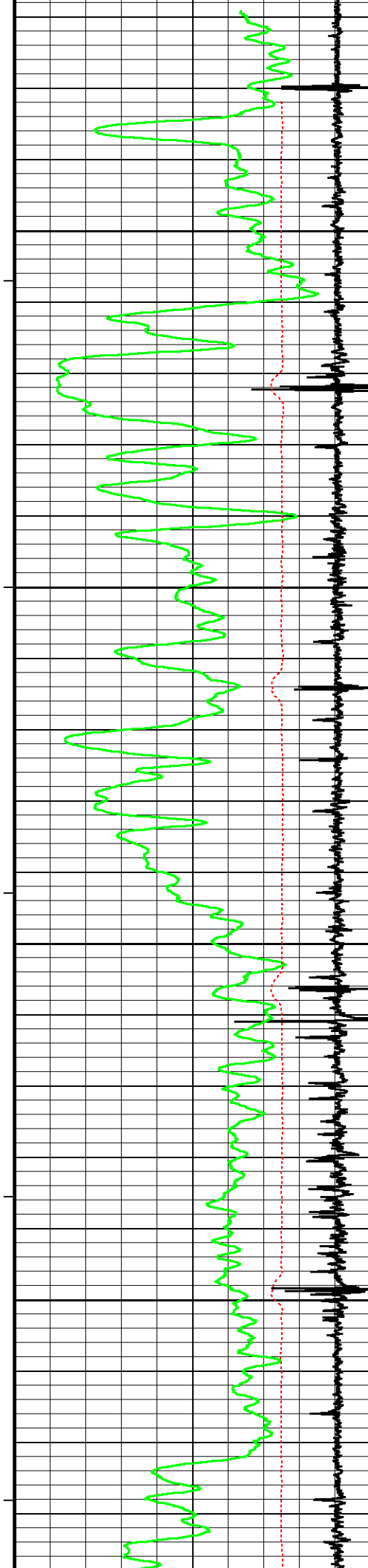
↓ FREE PIPE ↓

Depth Based Data - Maximum Sampling Increment 2.5cm Plotted on 02-JAN-2014 12:37

Filename: C:\TAOS1_2_14\FREEPIPE.dta Recorded on 02-JAN-2014 09:26

System Versions: Logged with 13.08.2005 Plotted with 13.08.2005



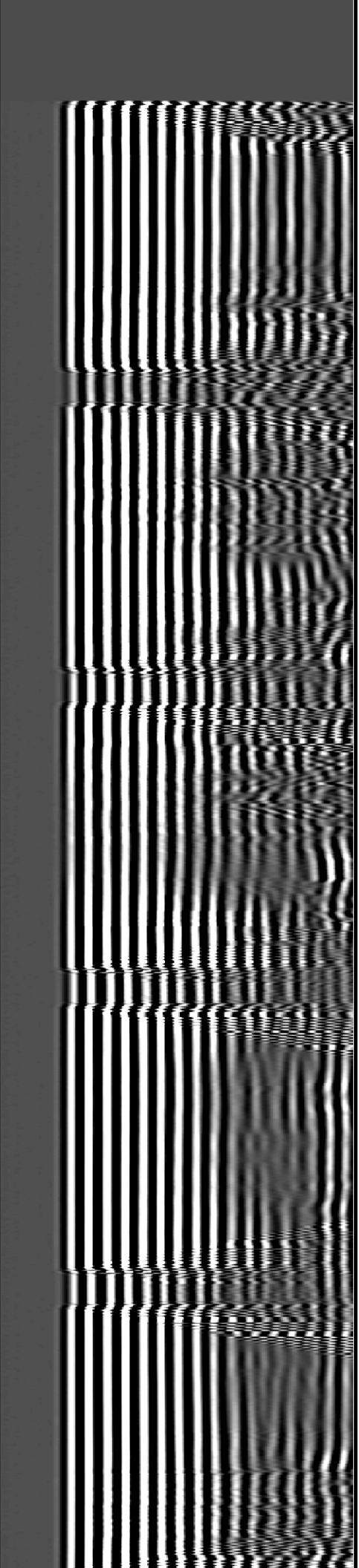
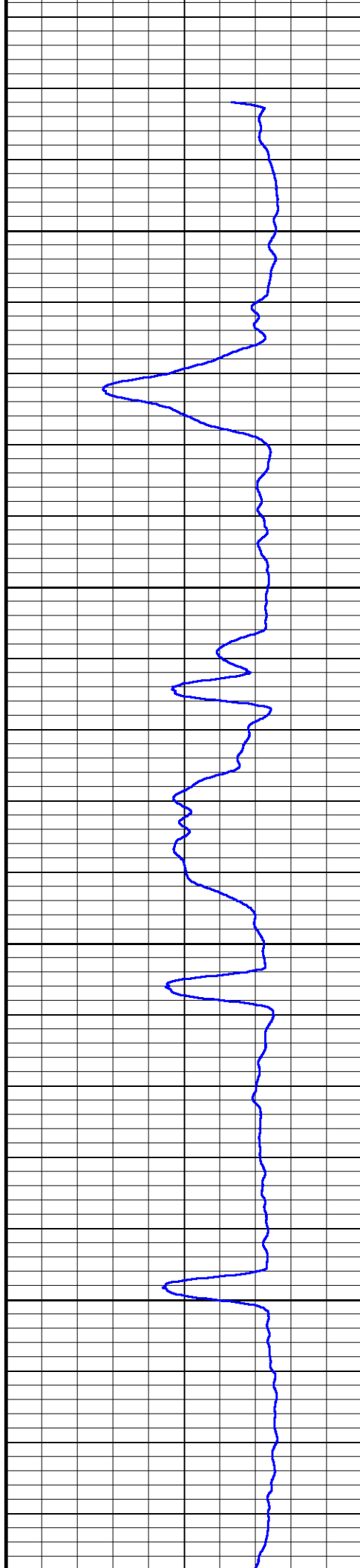


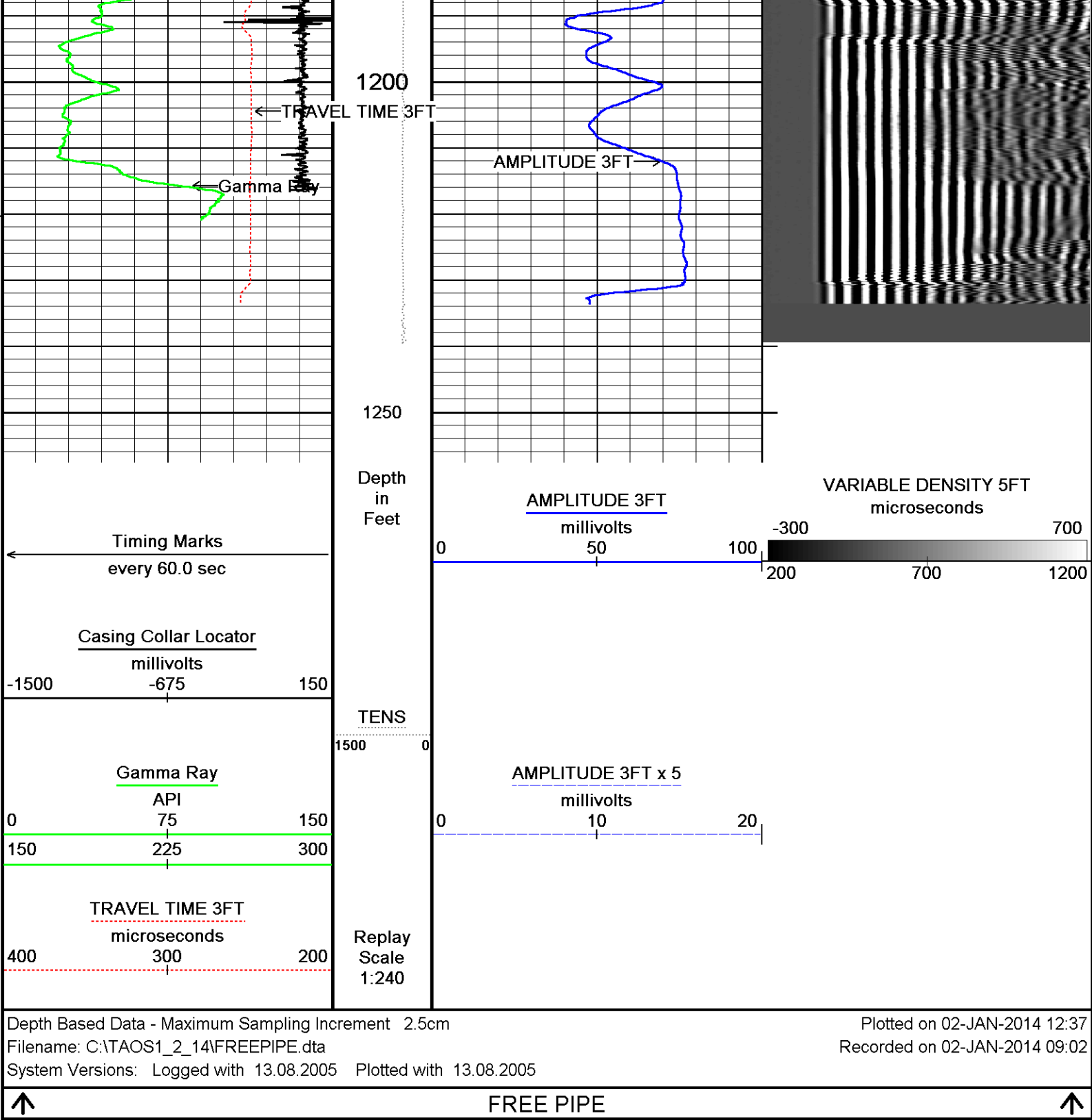
1000

1050

1100

1150

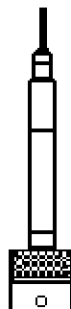




DOWNHOLE EQUIPMENT

C:\TAOS1_2_14\MAINPASS.dta

Mono-Cablehead
MCH-AA 0 LG: 1.02 ft WT: 2.2 lb OD: 1.417 in

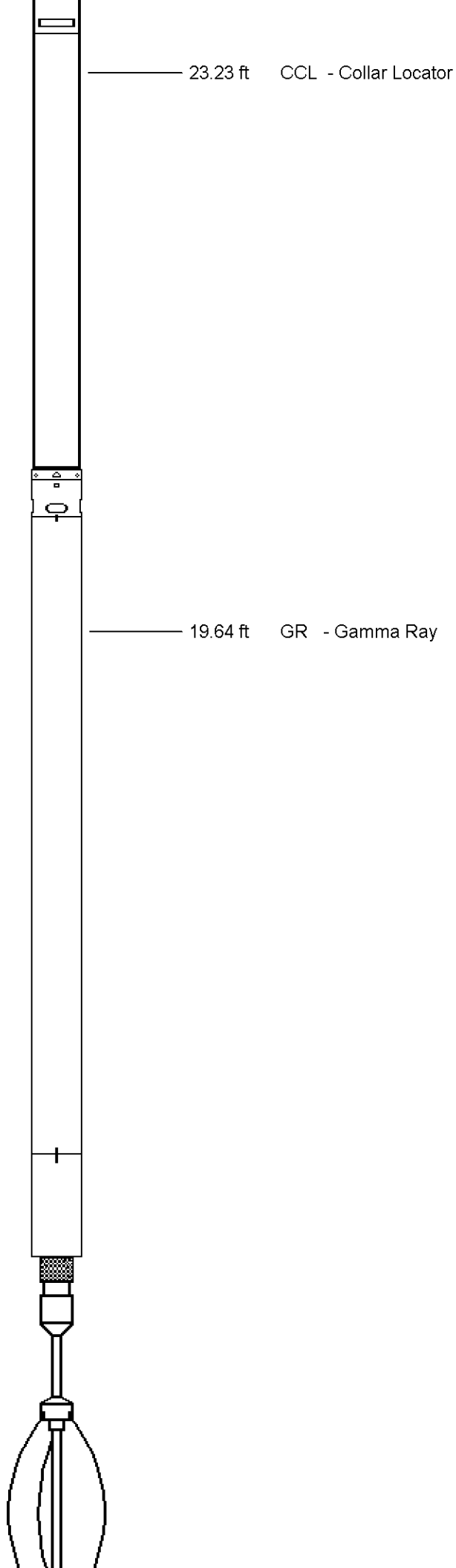


2.75" CCL (T) to 1.02 ft

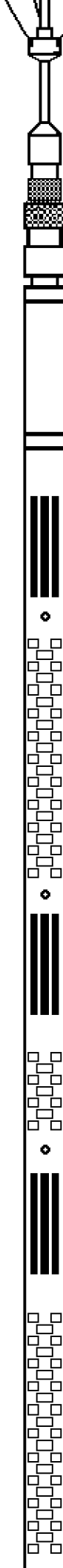
2.75" CCL/Telemetry Sub
CTB-AB 308 LG: 3.40 ft WT: 39.7 lb OD: 2.756 in

2.75" Gamma Ray Tool
GRB-AB 181 LG: 4.71 ft WT: 59.5 lb OD: 2.756 in

2.75in SBT Middle
CEN-BA 141 LG: 3.08 ft WT: 22.0 lb OD: 2.717 in



SBT-AA 328 LG: 10.32 ft WT: 90.4 lb OD: 2.717 in



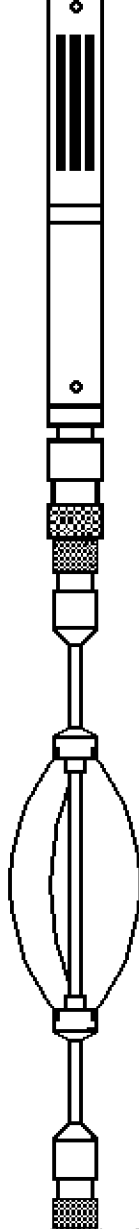
- 6.95 ft

AM3F - AMPLITUDE 3FT
TT3F - TRAVEL TIME 3FT

- 5.95 ft

VDL2 - VARIABLE DENSITY 5FT

2.75in Bond Cent
CEN-AA 202 LG: 2.49 ft WT: 11.0 lb OD: 2.717 in



0.00 ft TENS - Tension
Tool Zero (0.00ft from bottom)

Total Length: 25.02 ft Weight: 224.9 lb

All measurements relative to tool zero.

EQUIPMENT TABLE

Run No	Tool Type	Tool Number	Tool Name
1	MCH-AA	0	Mono-Cablehead
1	CTB-AB	308	2.75" CCL/Telemetry Sub
1	GRB-AB	181	2.75" Gamma Ray Tool
1	CEN-BA	141	2.75in SBT Middle
1	SBT-AA	328	Sector Bond Tool
1	CEN-AA	202	2.75in Bond Cent

COMPANY	TAOS RESOURCES OPERATING CO.
WELL	WEST MADDIX UNIT #114
FIELD	MADDIX
PROVINCE/COUNTY	COWLEY
COUNTRY/STATE	U.S.A./KANSAS

Elevation Kelly Bushing	1254.00	feet	Bottom Log Interval	3604.00	feet
Elevation Drill Floor	1253.00	feet	Depth Driller	3650.00	feet
Elevation Ground Level	1244.00	feet	Depth Logger	3610.00	feet





CEMENT BOND LOG