

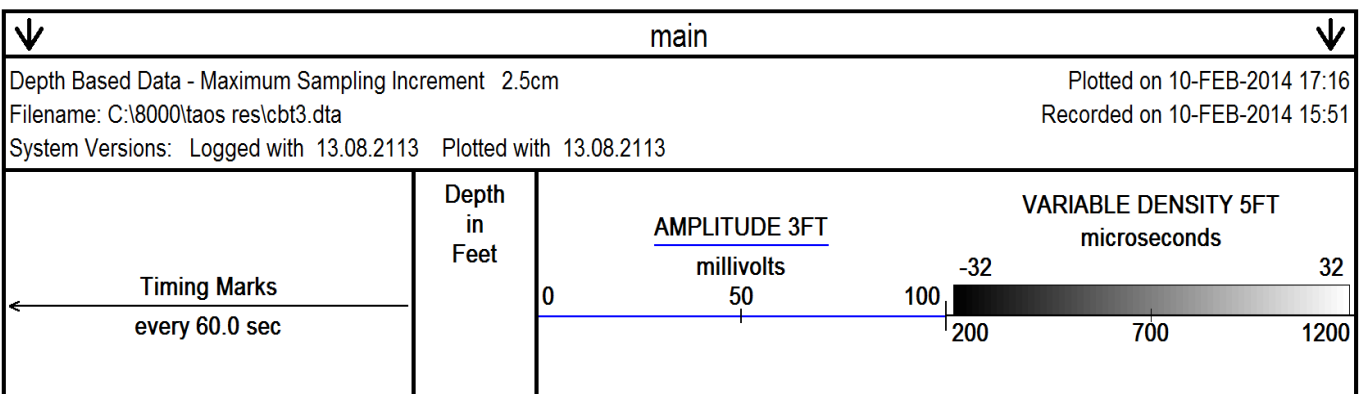


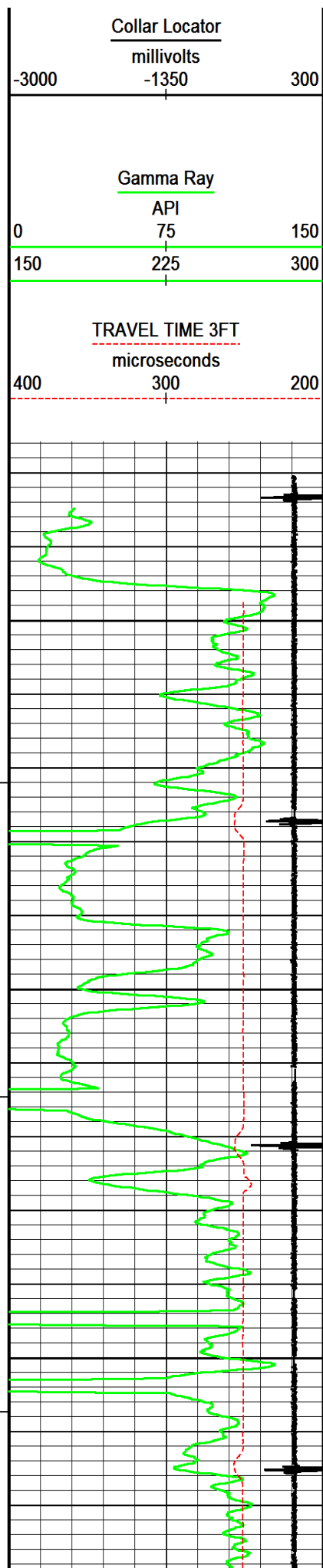
Weatherford®

CEMENT BOND LOG

COMPANY				TAOS RESOURCES OPERATING CO.			
WELL				WEST MADDIX UNIT NO. 18			
FIELD				MADDIX NORTH			
PROVINCE/COUNTY				COWLEY			
COUNTRY/STATE				USA/KANSAS			
LOCATION				1320' FSL & 2310' FWL E/2-E/2/SW			
SEC 11	TWP 33S	RGE 05W	Other Services	CRANE			
Latitude							
Longitude							
API Number				15-035-24552			
Permanent Datum GL, Elevation 1853 feet							
Log Measured From KB							
Drilling Measured From KB							
Date				10-FEB-2014			
Run Number				ONE			
Service Order				2614-79227789			
Type Log				CBL			
Depth Driller				3700.00			
Depth Logger				3672.00			
Top Log Interval				1400.00			
Bottom Log Interval				3667.00			
Hole Fluid Type				WATER			
Hole Fluid Level				0.00			
Restriction ID							
Max Recorded Temp				108.00			
Well Head Pressure				0.00			
Well Head Equipment				OPEN			
Time Well Ready				1515			
Time Logger Bottom				1545			
Est. Cement Top				1650			
Unit							
Equipment Name				14194			
Base				OKC			
Recorded By				FRANK MAYERS			
Witnessed By				RAY DOROTHY			

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.





TENS

0 1500

Replay
Scale
1:240

1378

1400

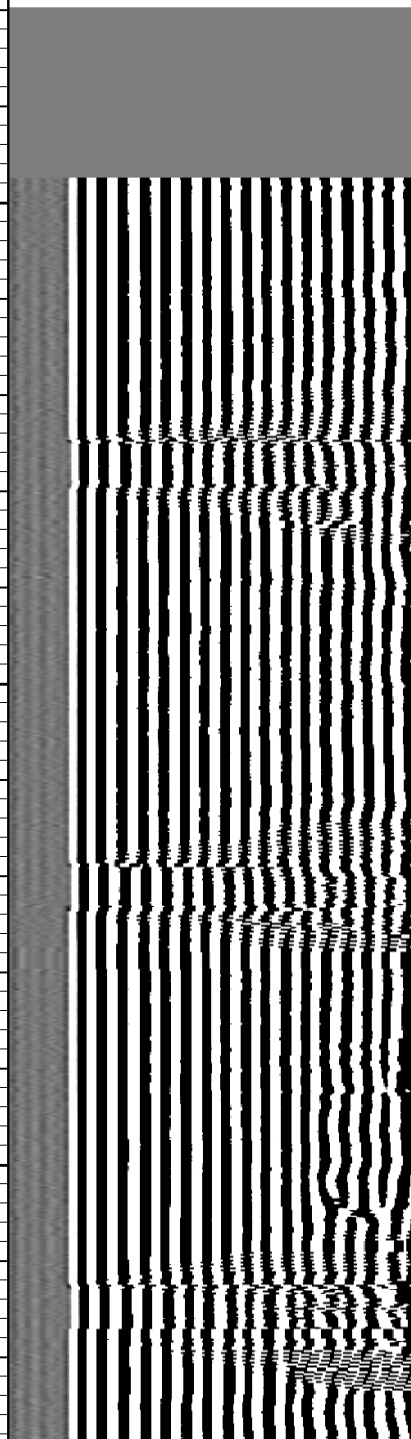
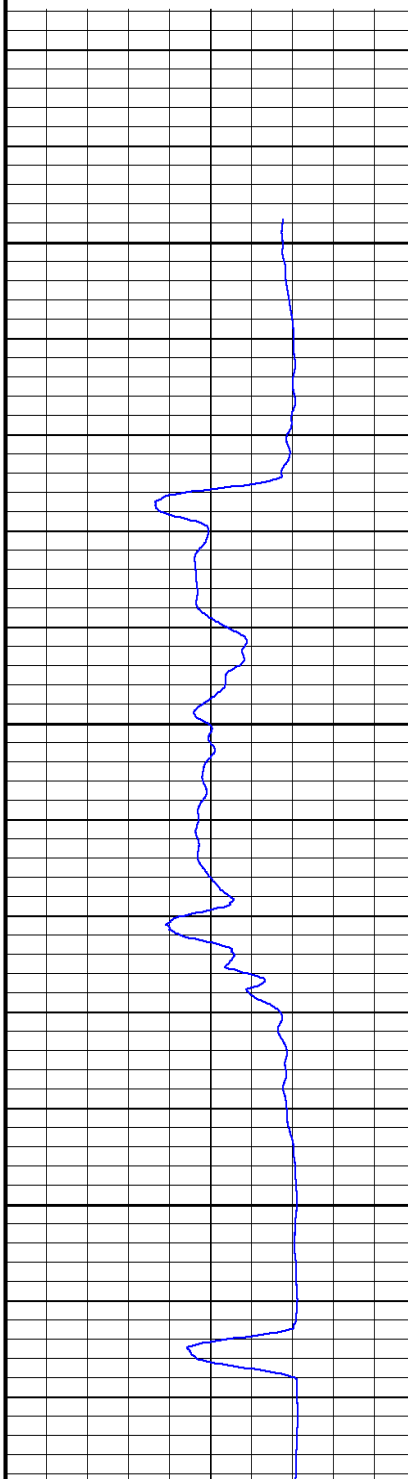
1450

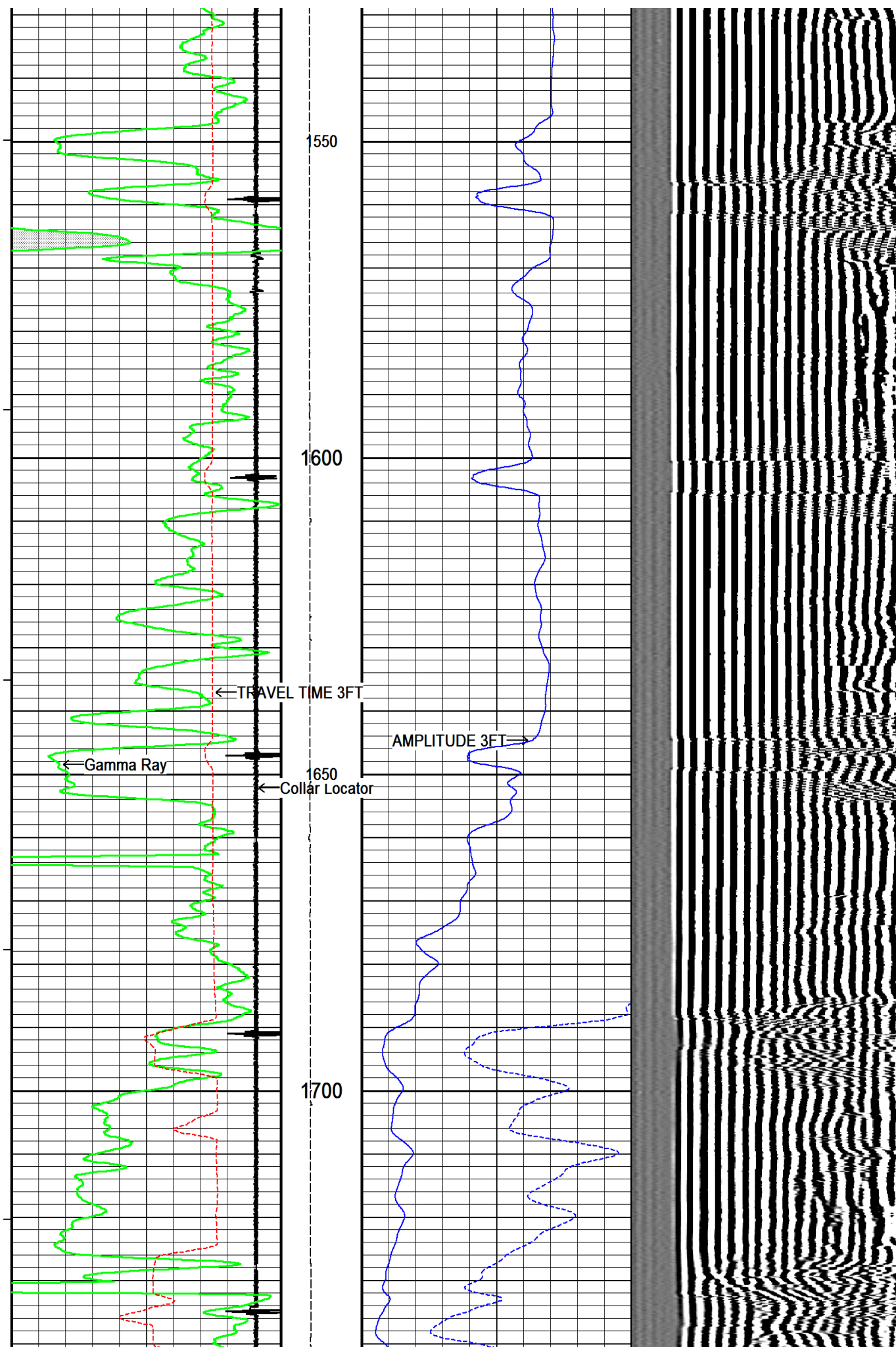
1500

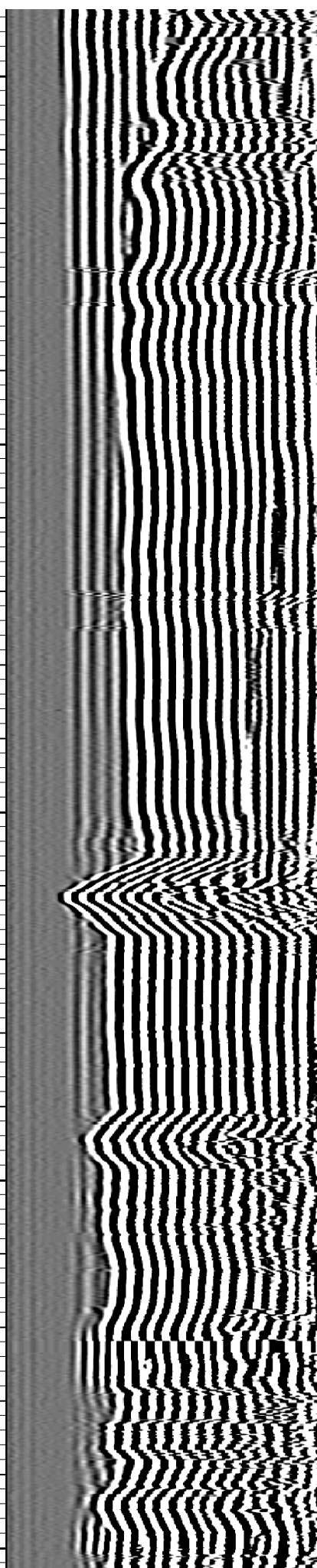
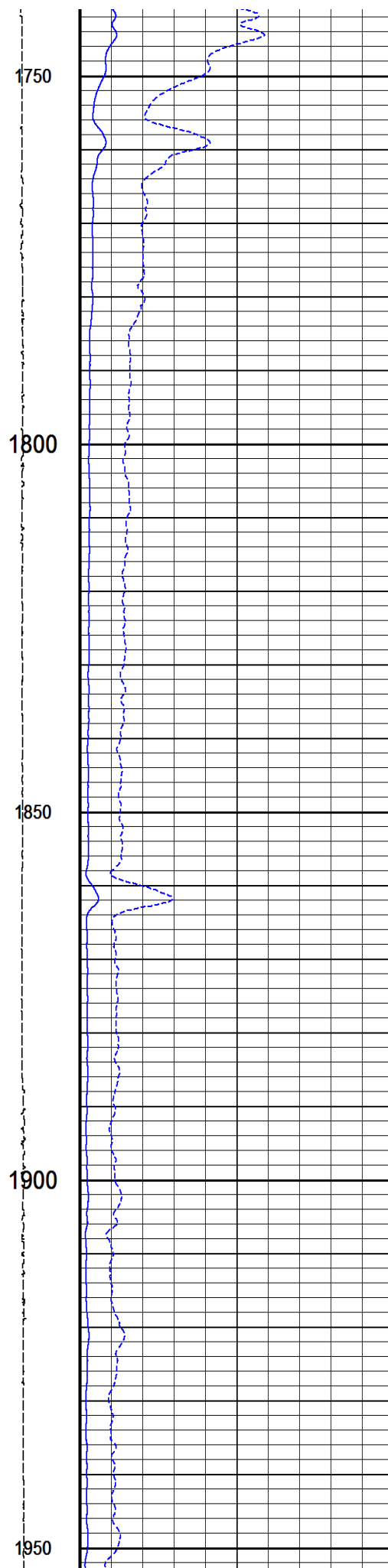
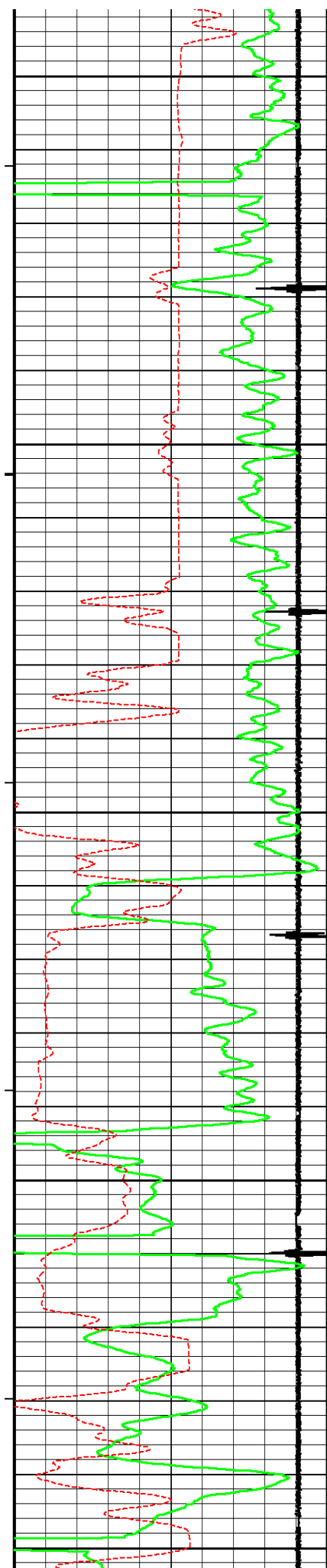
AMPLITUDE 3FTx5

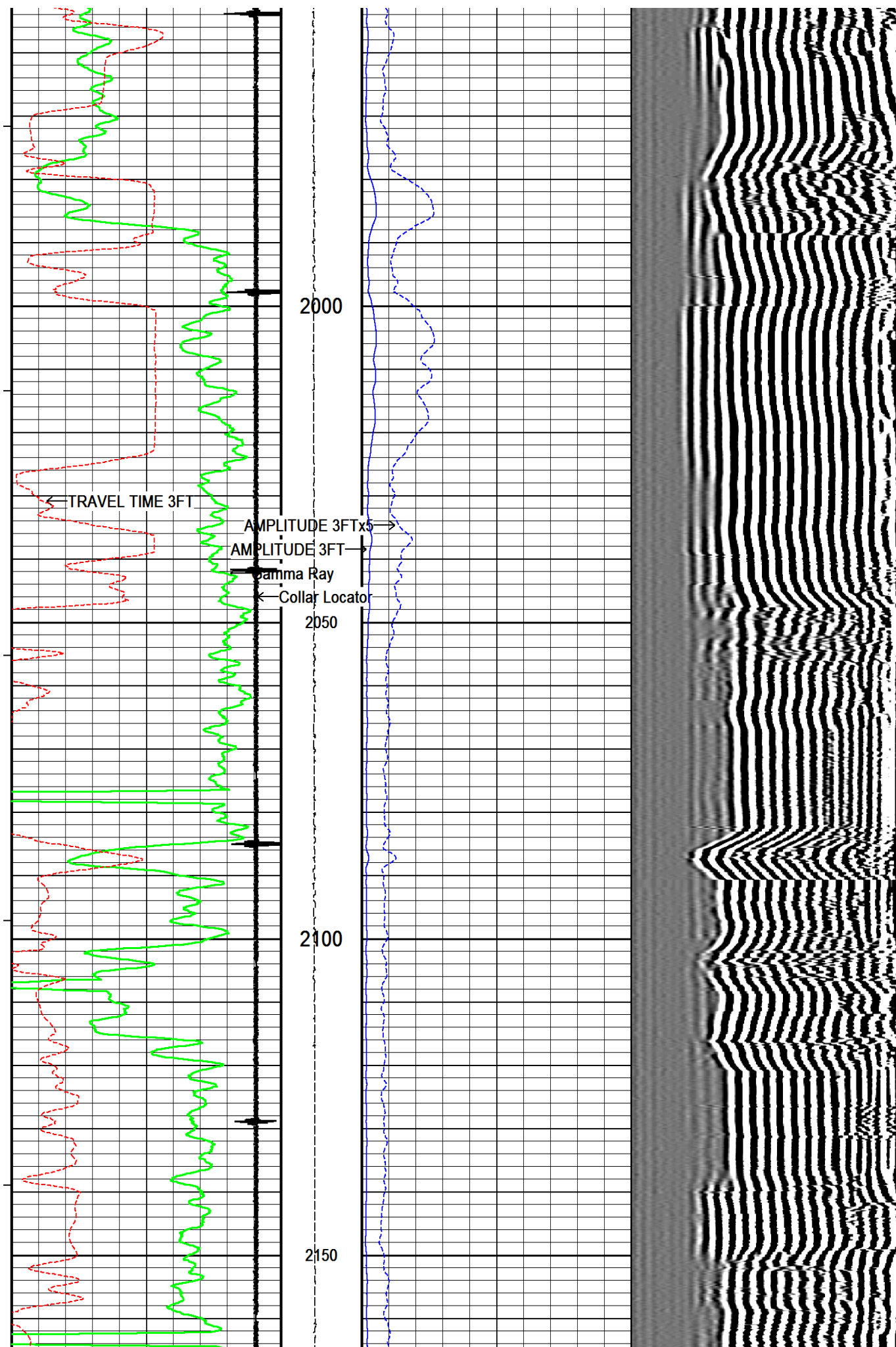
millivolts

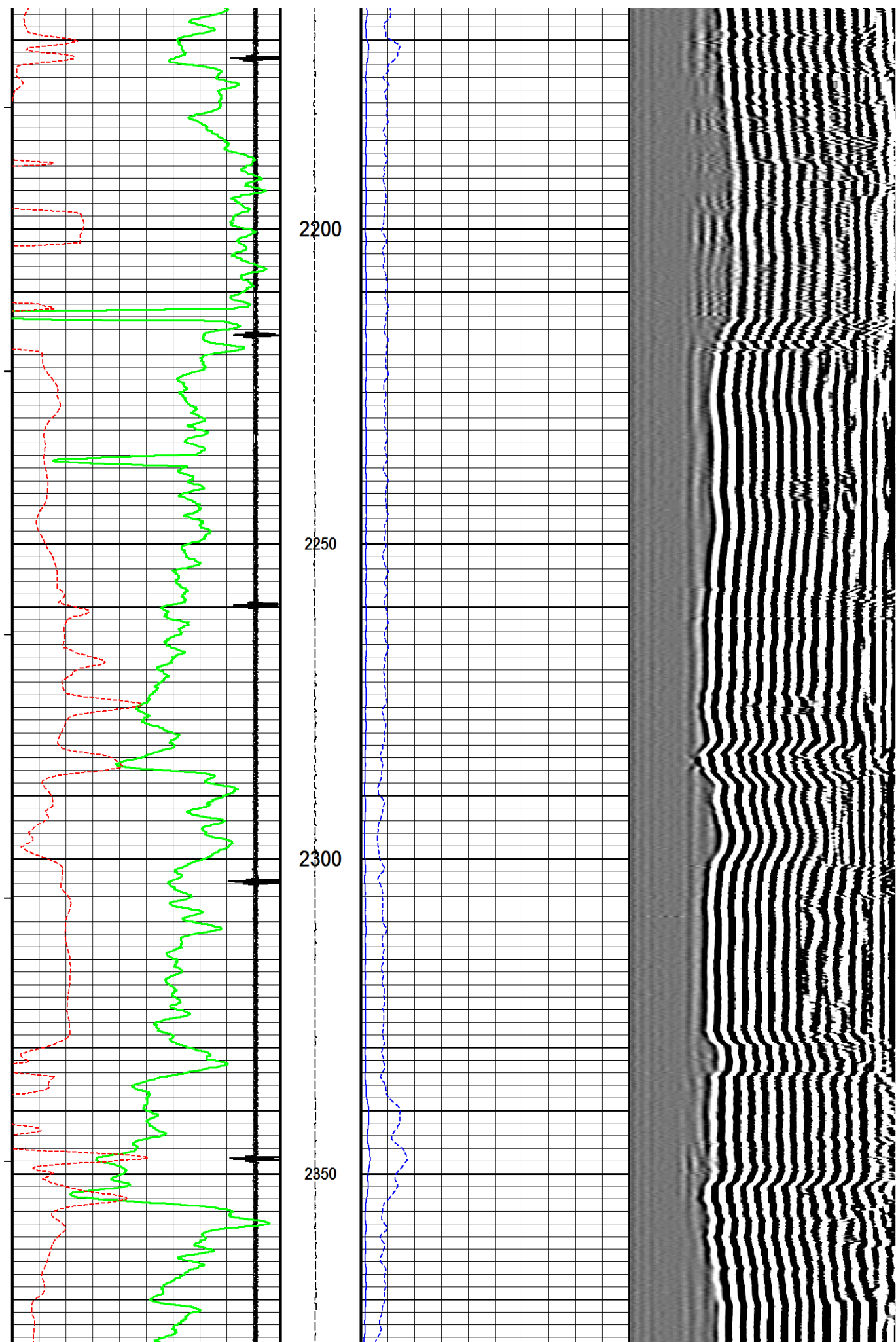
0 10 20

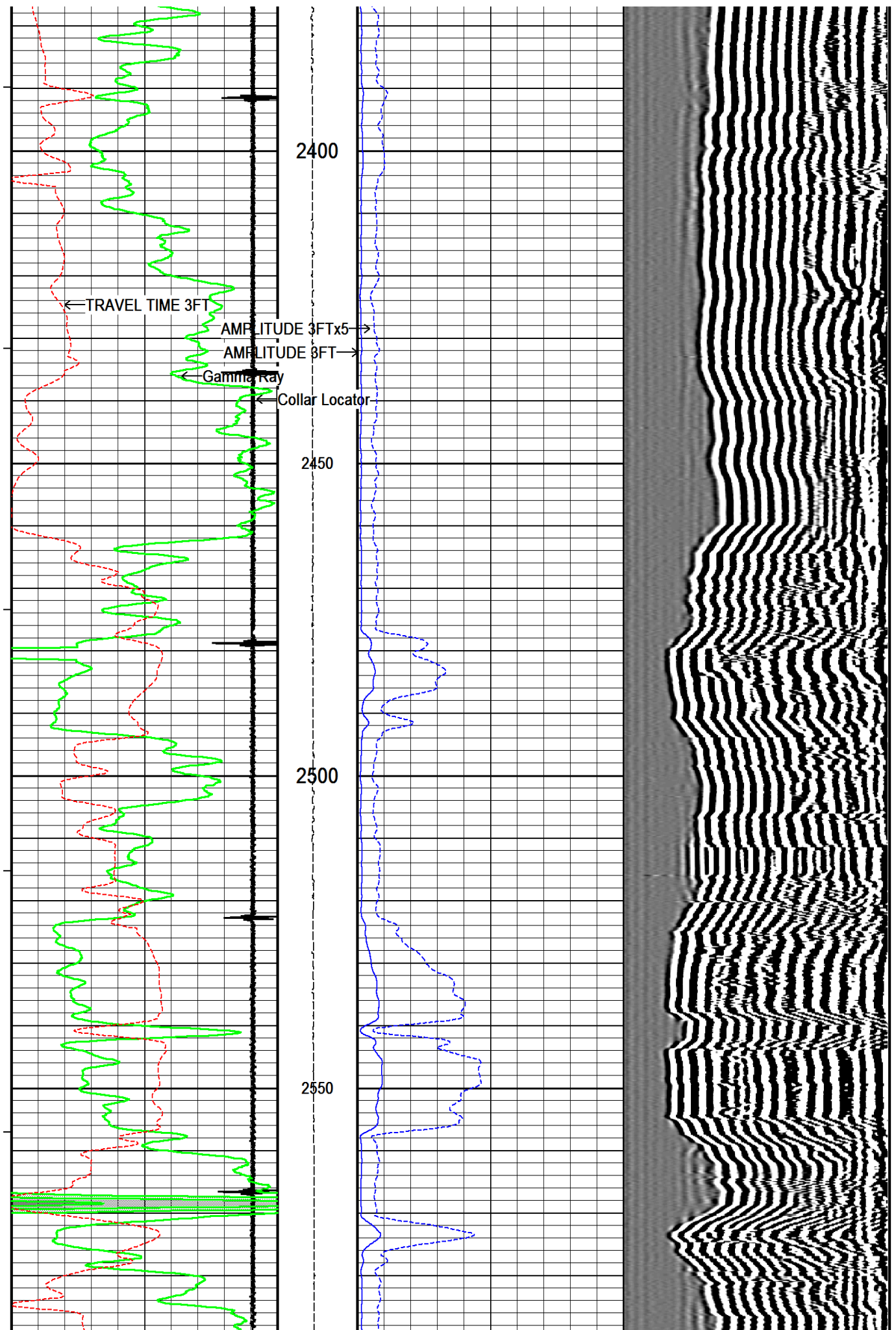


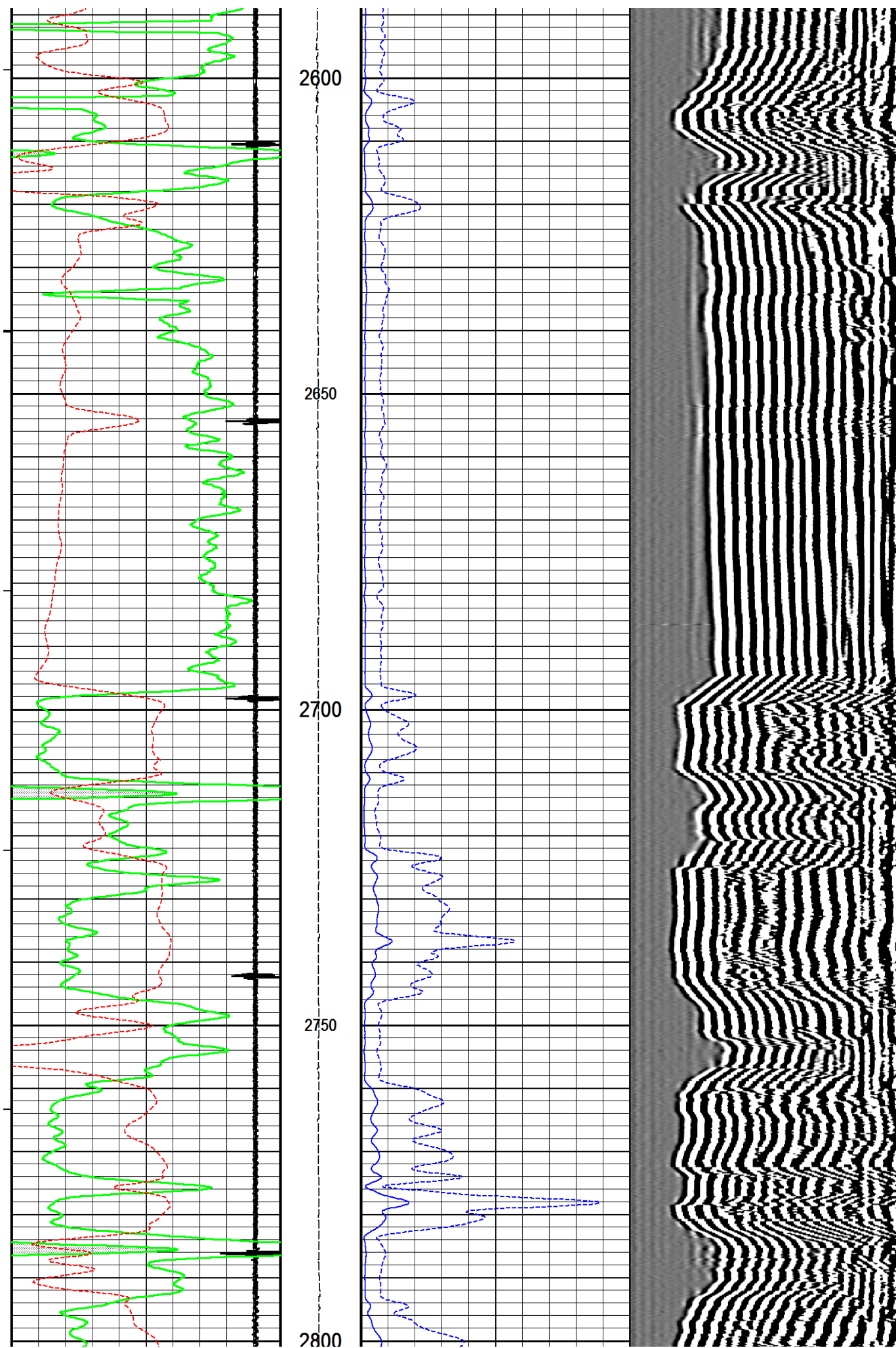


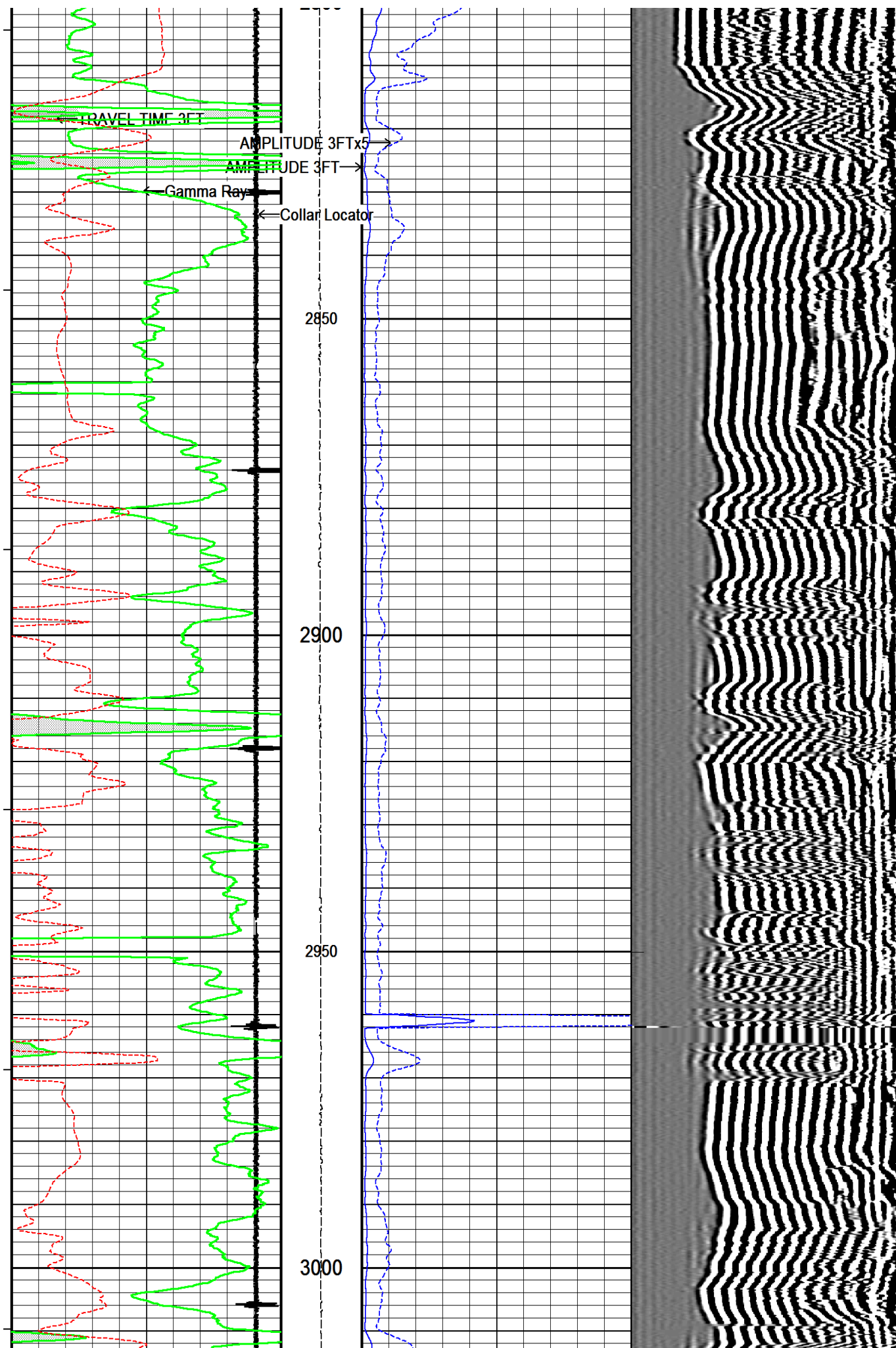


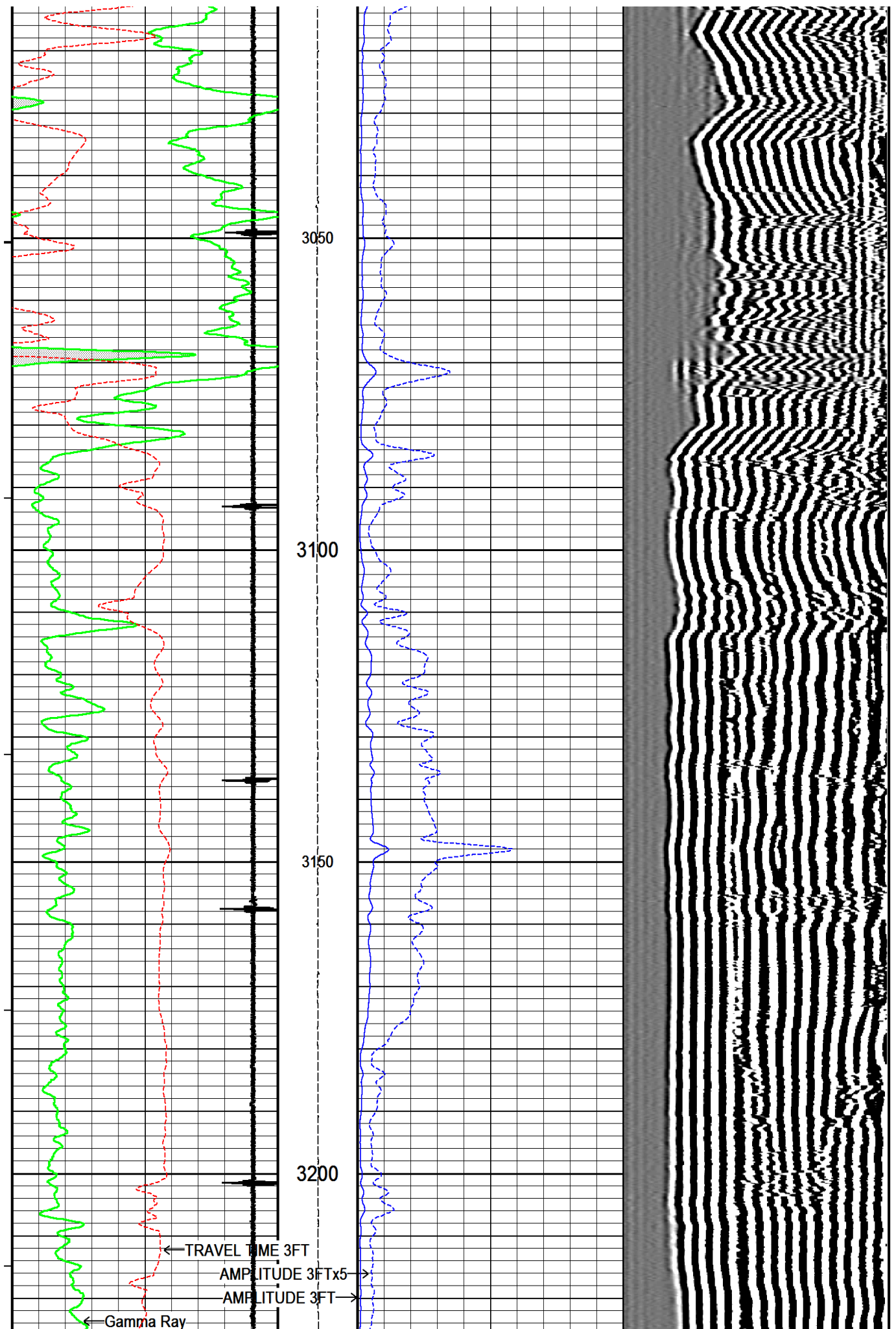


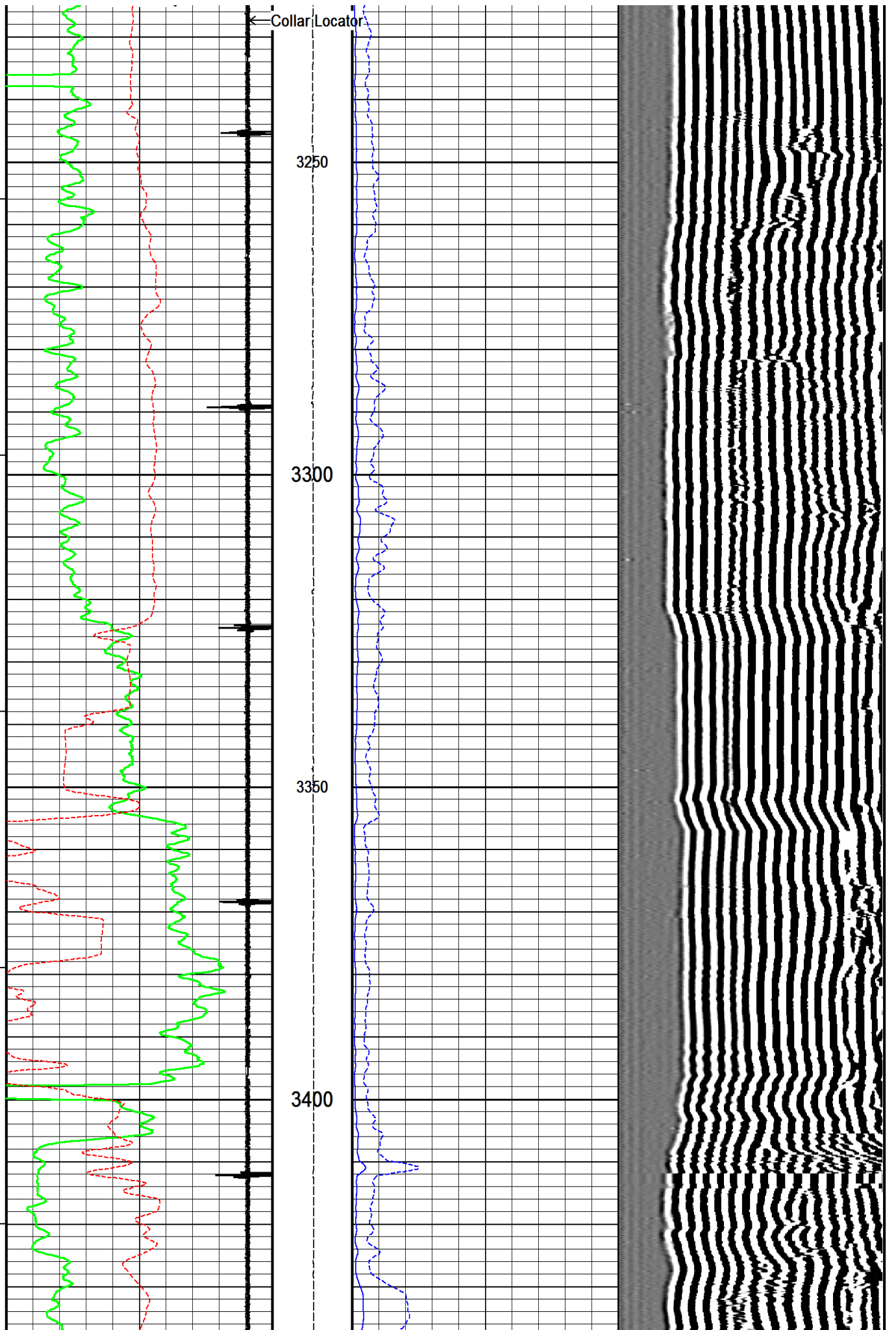


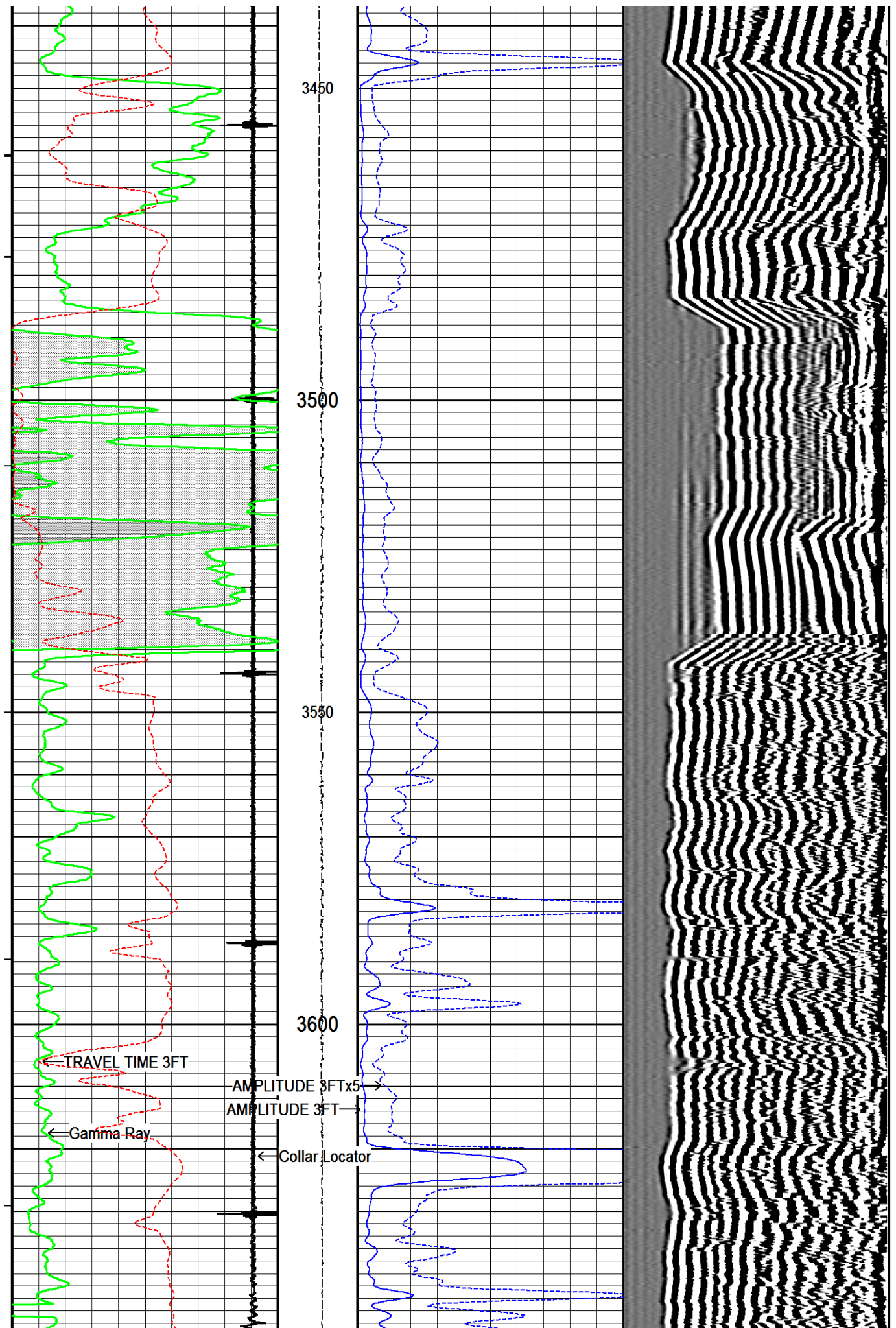


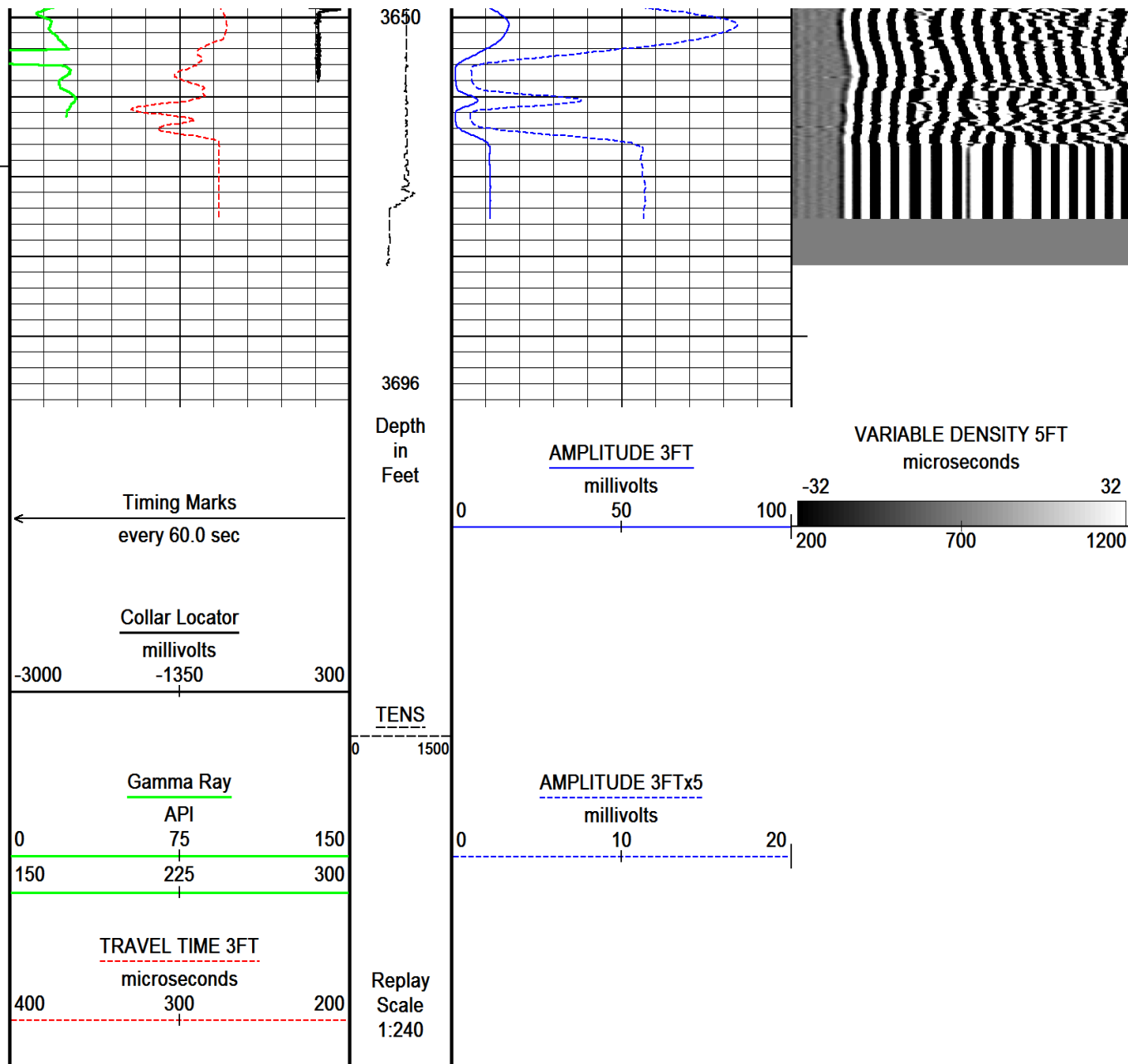












Depth Based Data - Maximum Sampling Increment 2.5cm

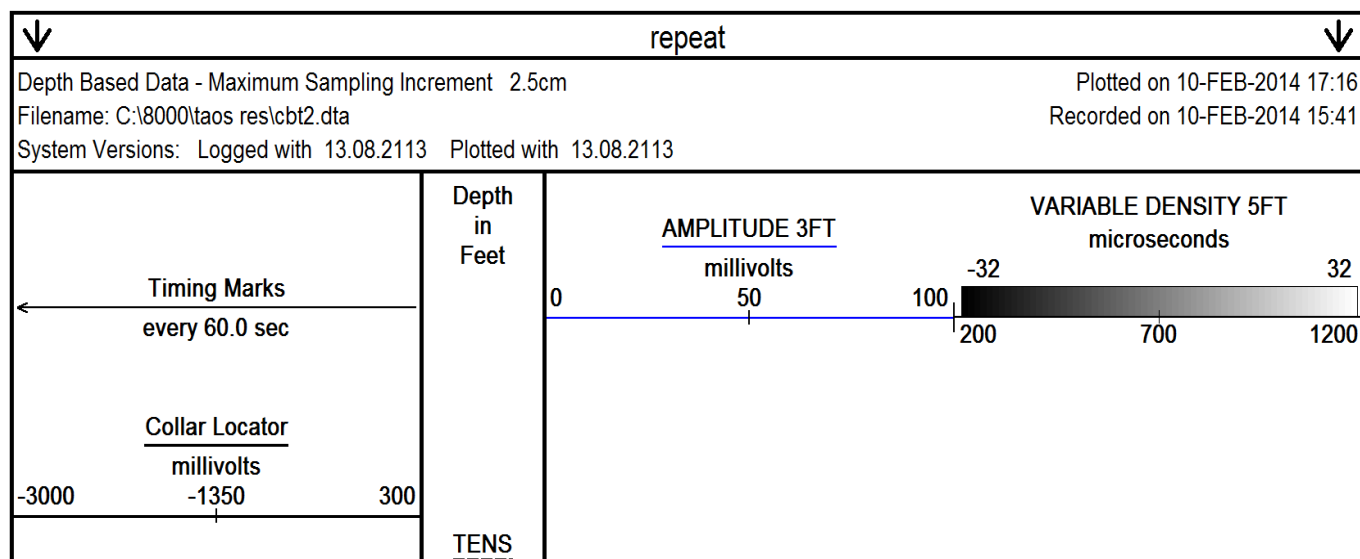
Plotted on 10-FEB-2014 17:16

Filename: C:\8000\taos res\cbt3.dta

Recorded on 10-FEB-2014 15:51

System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

↑ main ↑



Depth Based Data - Maximum Sampling Increment 2.5cm

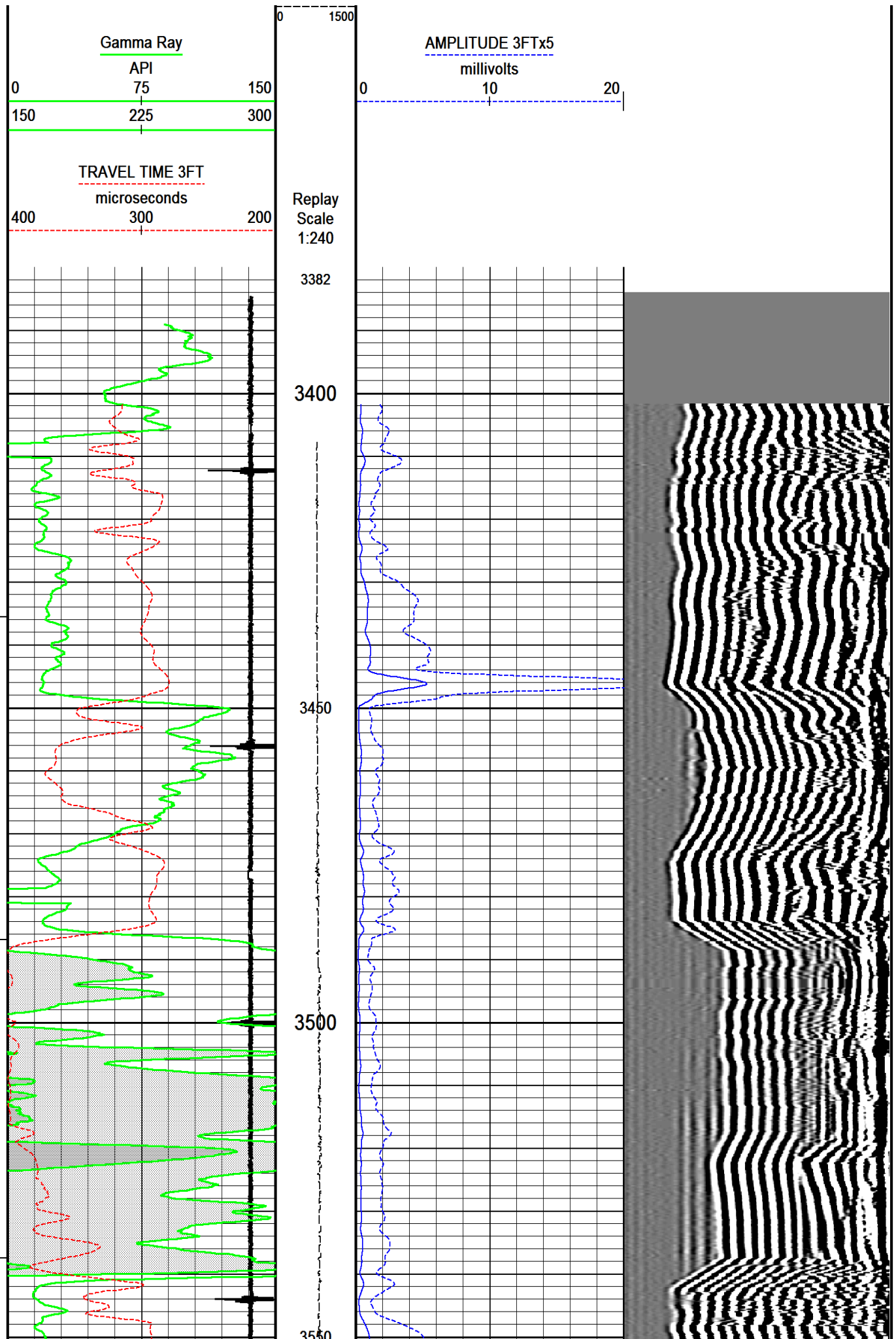
Plotted on 10-FEB-2014 17:16

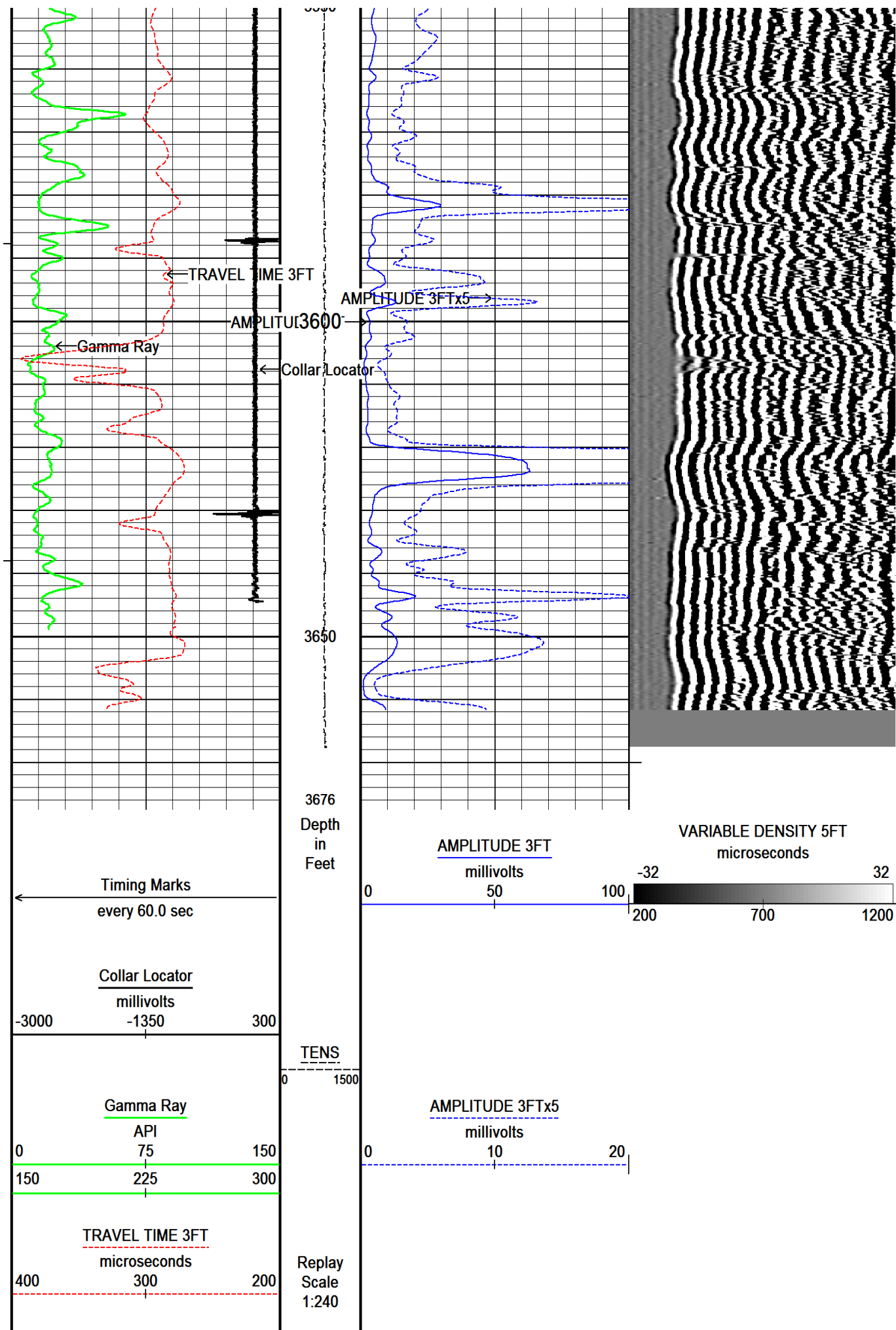
Filename: C:\8000\taos res\cbt2.dta

Recorded on 10-FEB-2014 15:41

System Versions: Logged with 13.08.2113 Plotted with 13.08.2113

↓ repeat ↓







repeat



SHOP AND FIELD CALIBRATIONS

C:\8000\taos res\cbt3.dta

UGR Field Survey Cal GRB-AA 168

Field Calibration on 00-JAN-1988 00:00

Gamma Ray Field Survey Calibration

Tool Type: GRB-AA
Calibrator No:

Serial No: 168

Background	Calibrator	Standard	Units
0.0	225.0	140.0	CPS

Delta Counts Per Sec: 225.0

CPS/API = 1.607

SBT Field Calibration SBT-AA 171

Field Calibration on 10-FEB-2014 15:29

Sector Bond Field Calibration

Tool Type	SBT-AA	Serial No	171
Sensor	Description	Standard	Measured
AMP 3FT	100% Bond	1.00	1.40
	Free Pipe	72.00	342.10
AMP 5FT	100% Bond	0.00	1.90
	Free Pipe	100.00	861.70
1 SECTOR AMP	100% Bond	1.00	38.00
	Free Pipe	95.00	306.20
2 SECTOR AMP	100% Bond	1.00	33.30
	Free Pipe	95.00	442.90
3 SECTOR AMP	100% Bond	1.00	8.10
	Free Pipe	95.00	416.70
4 SECTOR AMP	100% Bond	1.00	34.20
	Free Pipe	95.00	398.70
5 SECTOR AMP	100% Bond	1.00	44.30
	Free Pipe	95.00	337.40
6 SECTOR AMP	100% Bond	1.00	32.80
	Free Pipe	95.00	405.90
7 SECTOR AMP	100% Bond	1.00	29.20
	Free Pipe	95.00	393.80
8 SECTOR AMP	100% Bond	1.00	19.80
	Free Pipe	95.00	498.40

SBT Constants SBT-AA 171

Last Edited on 00-JAN-1988 00:00

Min Ampl 100% Bond	2.00 mv
Max Ampl 0% Bond	90.00 mv
Casing Size	8.63 IN
Casing Weight	24.0 LB/F
3' TT Correction	-999.3 us
DT Fluid	200.0 US/F
Fast Formation TT	38.5 US/F
Cement Cmpr Strength	580 PSI
Casing Velocity	57.00 US/F
Maximum Attenuation	12.00 DB/F

SMS Constants SMS-A 0

Last Edited on 00-JAN-1988 00:00

Cement weight	0.00 LB/G
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DOWNHOLE EQUIPMENT

C:\8000\taos res\cbt3.dta

Mono-Cablehead

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

2.75" CCL/Telemetry Sub

CTB-AB 253 LG: 3.40 ft WT: 39.7 lb OD: 2.756 in

2.75" Gamma Ray Tool

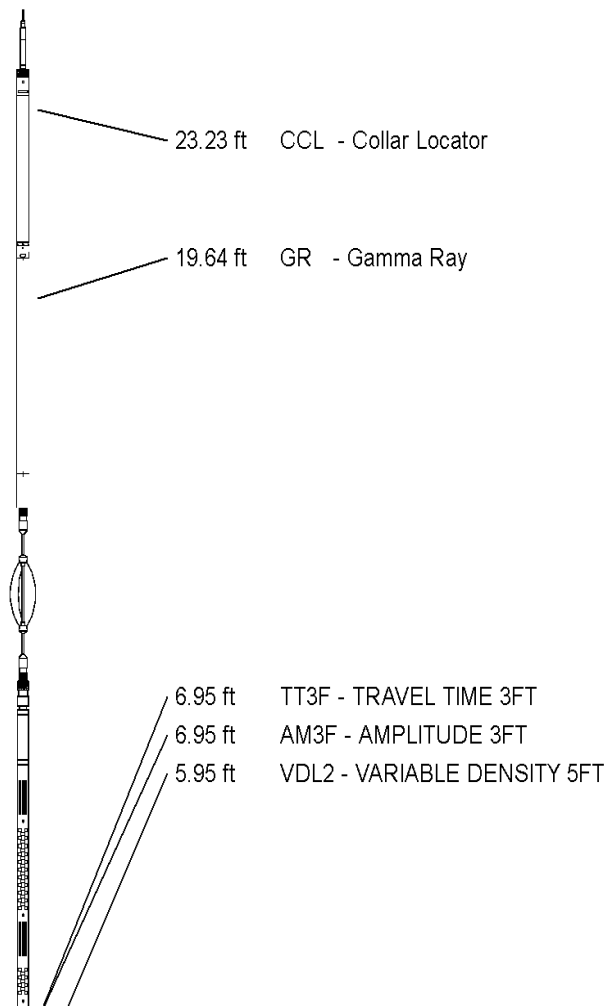
GRB-AA 168 LG: 4.71 ft WT: 59.5 lb OD: 2.756 in

2.75in SBT Middle

CEN-BA 142 LG: 3.08 ft WT: 22.0 lb OD: 2.717 in

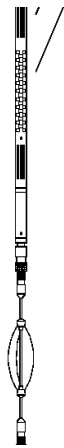
Sector Bond Tool

SBT-AA 171 LG: 10.32 ft WT: 90.4 lb OD: 2.720 in



2.75in Bond Cent
CEN-AA 198 LG: 2.49 ft WT: 11.0 lb OD: 2.717 in

Total Length: 25.02 ft Weight: 224.9 lb



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

COMPANY			TAOS RESOURCES OPERATING CO.		
WELL			WEST MADDIX UNIT NO. 18		
FIELD			MADDIX NORTH		
PROVINCE/COUNTY			COWLEY		
COUNTRY/STATE			USA/KANSAS		
Elevation Kelly Bushing	1863.00	feet	Bottom Log Interval	3667.00	feet
Elevation Drill Floor	1862.00	feet	Depth Driller	3700.00	feet
Elevation Ground Level	1853.00	feet	Depth Logger	3672.00	feet



CEMENT BOND LOG