



Weatherford®

SECTOR BOND LOG

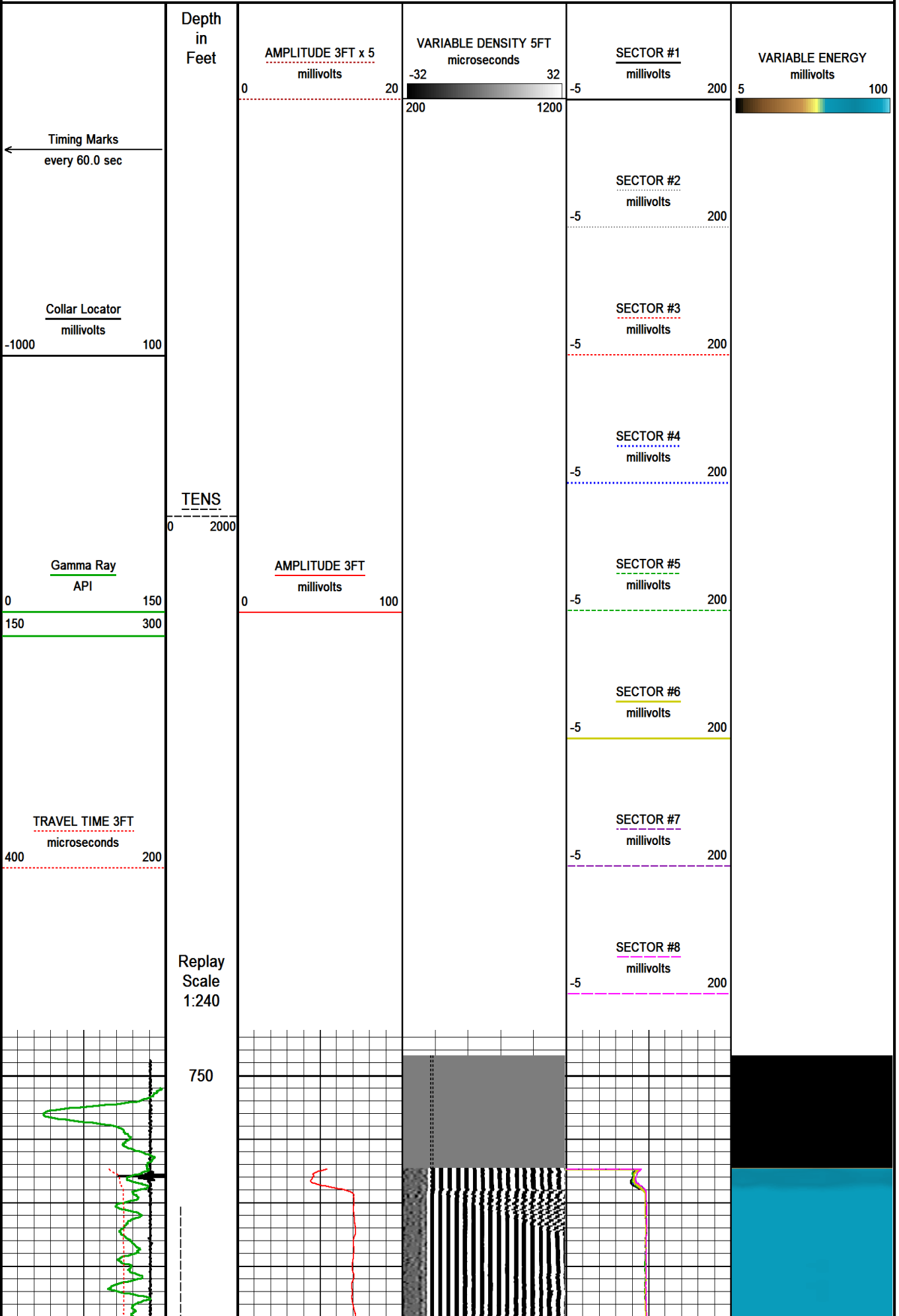
COMPANY		TAOS RESOURCES COMPANY, LLC			
WELL		WMU 24			
FIELD		NORTH MADDIX UNIT			
PROVINCE/COUNTY		COWLEY			
COUNTRY/STATE		KANSAS			
LOCATION		165' FNL & 165' FWL C NW NW NW NW			
SEC	TWP	RGE	Other Services		PERF
Latitude					
Longitude					
API Number		15-035-24569			
Permanent Datum GL, Elevation 1276 feet				Elevations: KB 1286.00 DF 1284.00 GL 1276.00	
Log Measured From KB					
Drilling Measured From GL					
Date	12-MAY-2014	PERFORATION RECORD			
Run Number	ONE	Shot	Number	Depth From	Depth To
Service Order	2614-87096362	Density	of Shots	feet	feet
Type Log	CEMENT BOND				
Depth Driller	3700.00	feet			
Depth Logger	3638.00	feet			
Top Log Interval	1100.00	feet			
Bottom Log Interval	3632.00	feet			
Hole Fluid Type	WATER				
Hole Fluid Level	0.00	feet			
Restriction ID		Gun Type			
Max Recorded Temp		Gun Size			
Well Head Pressure	0.00	psia	CASING / TUBING RECORD		
Well Head Equipment	OPEN	Size	Weight	Depth From	Depth To
Time Well Ready	0900	inches	pounds/ft	feet	feet
Time Logger Bottom	0930	8.625	24.00	0.00	275.00
ETOC	1350	5.500	15.50	0.00	3700.00
Unit	14194				
Equipment Name	WSS				
Base	OKC				
Recorded By	FRANK MAYERS				
Witnessed By	MR. RAY DOROTHY				

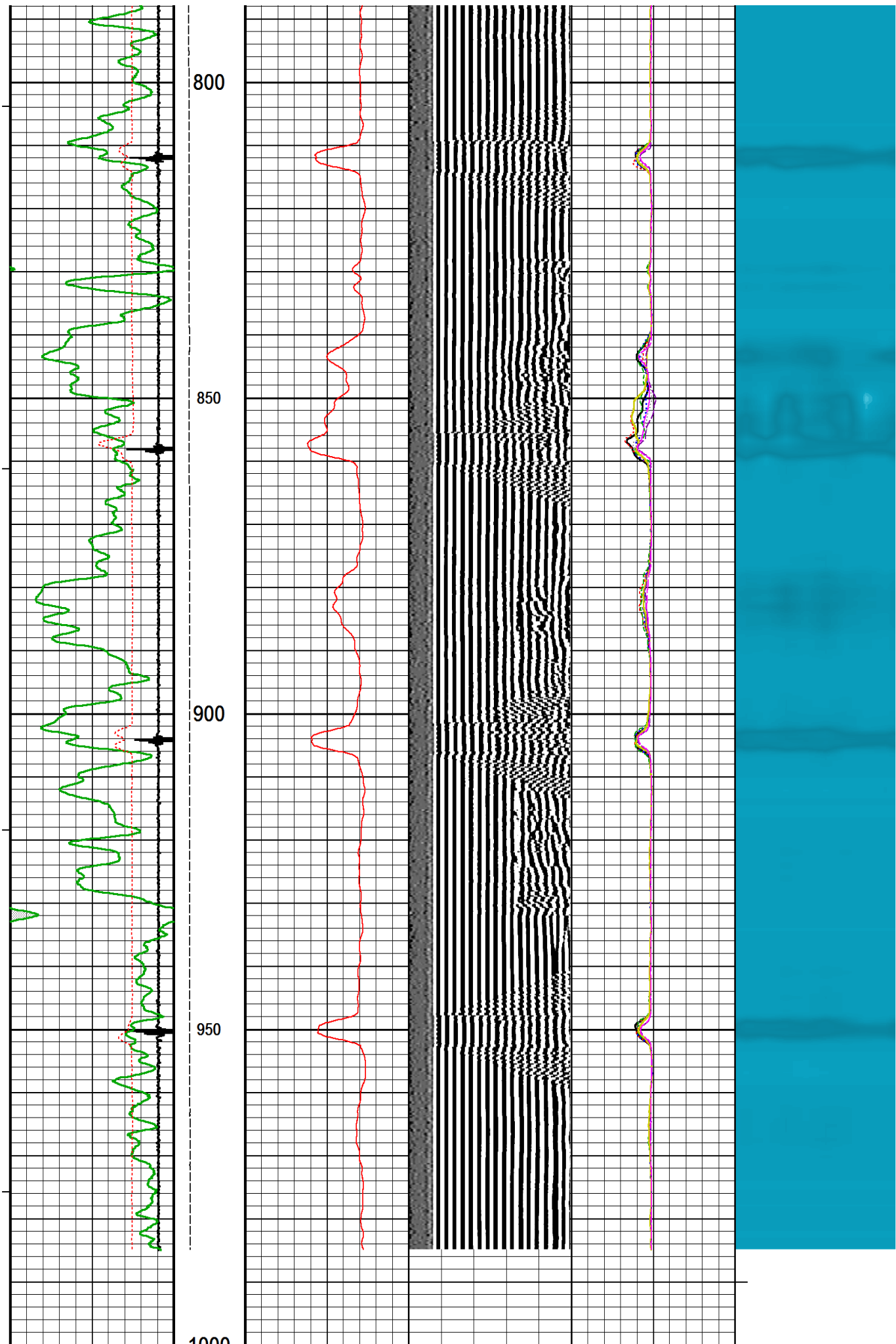
REMARKS

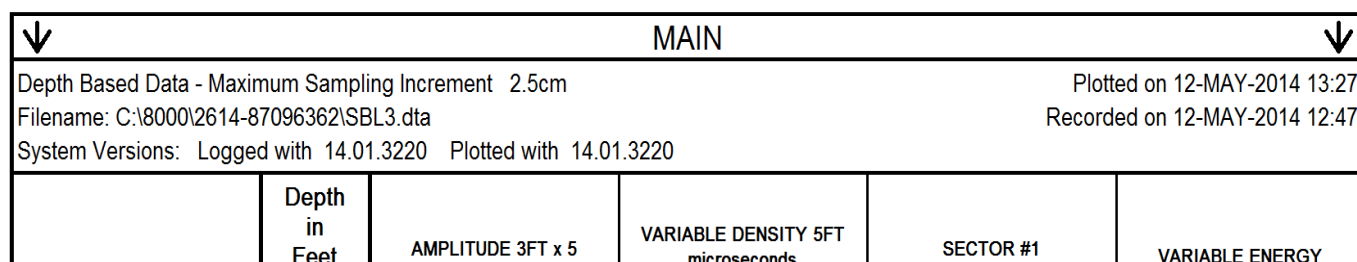
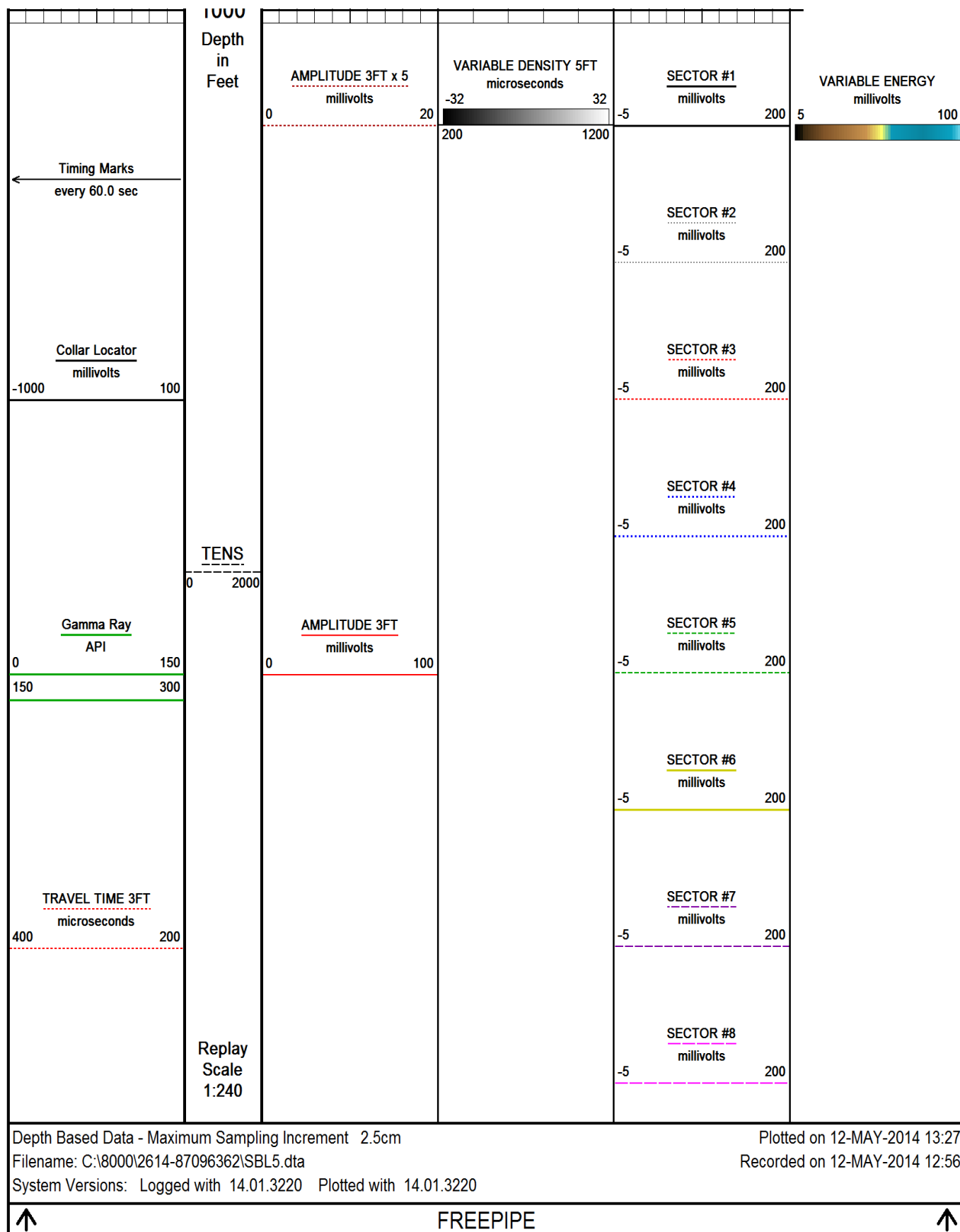
C:\8000\2614-87096362\SBL3.dta

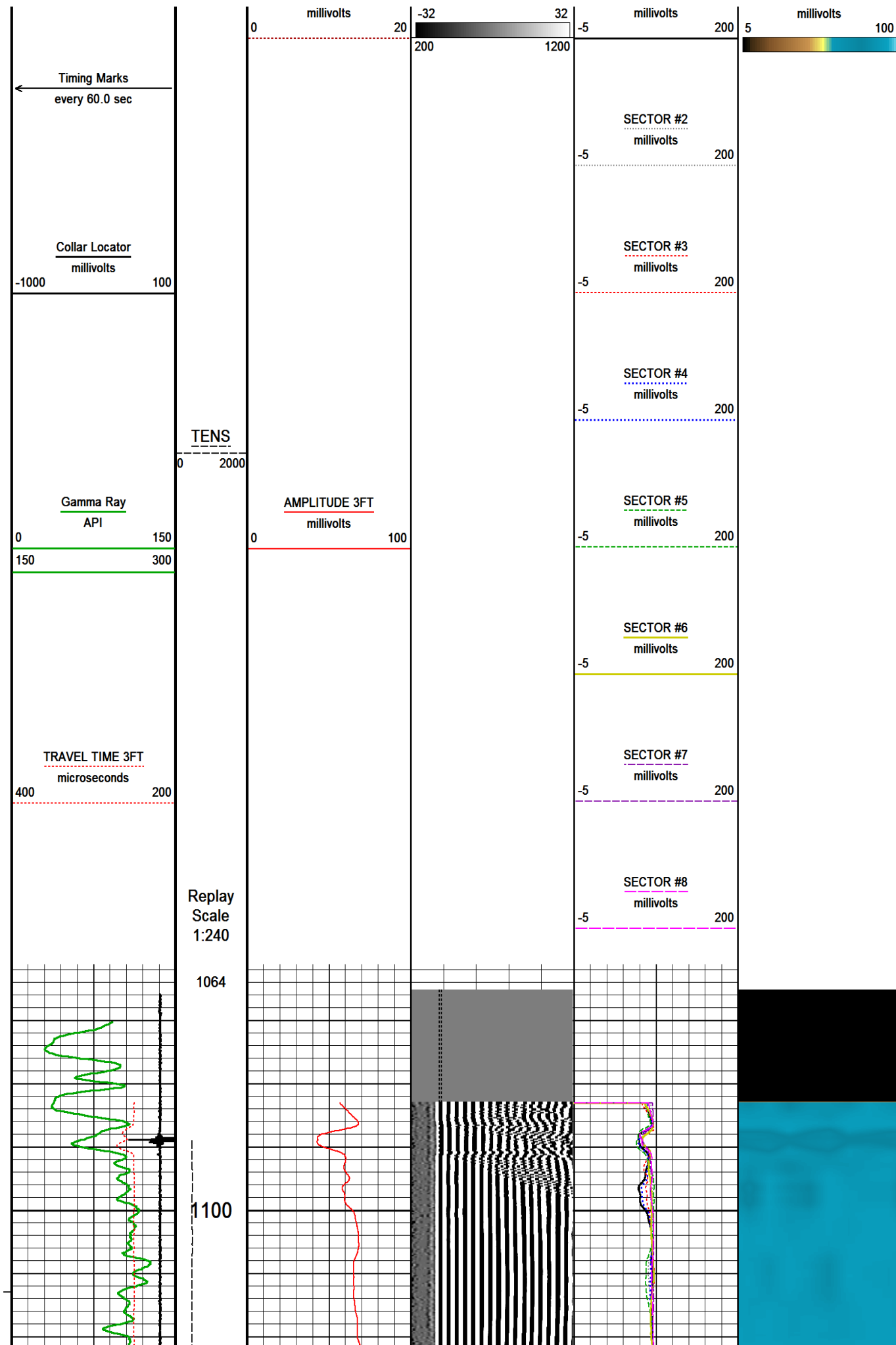
CORRELATED TO NEUTRON DENSITY LOG
LOGGED WITH 0 PSI AT SURFACE
FLUID LEVEL AT SURFACE
PERFORATED WITH 3 1/8" EXP GUNS LOADED 1SPF 90 DEG PHASING AT
3372-82, 3344-54, 3320-30, 3300-10, 3280-90

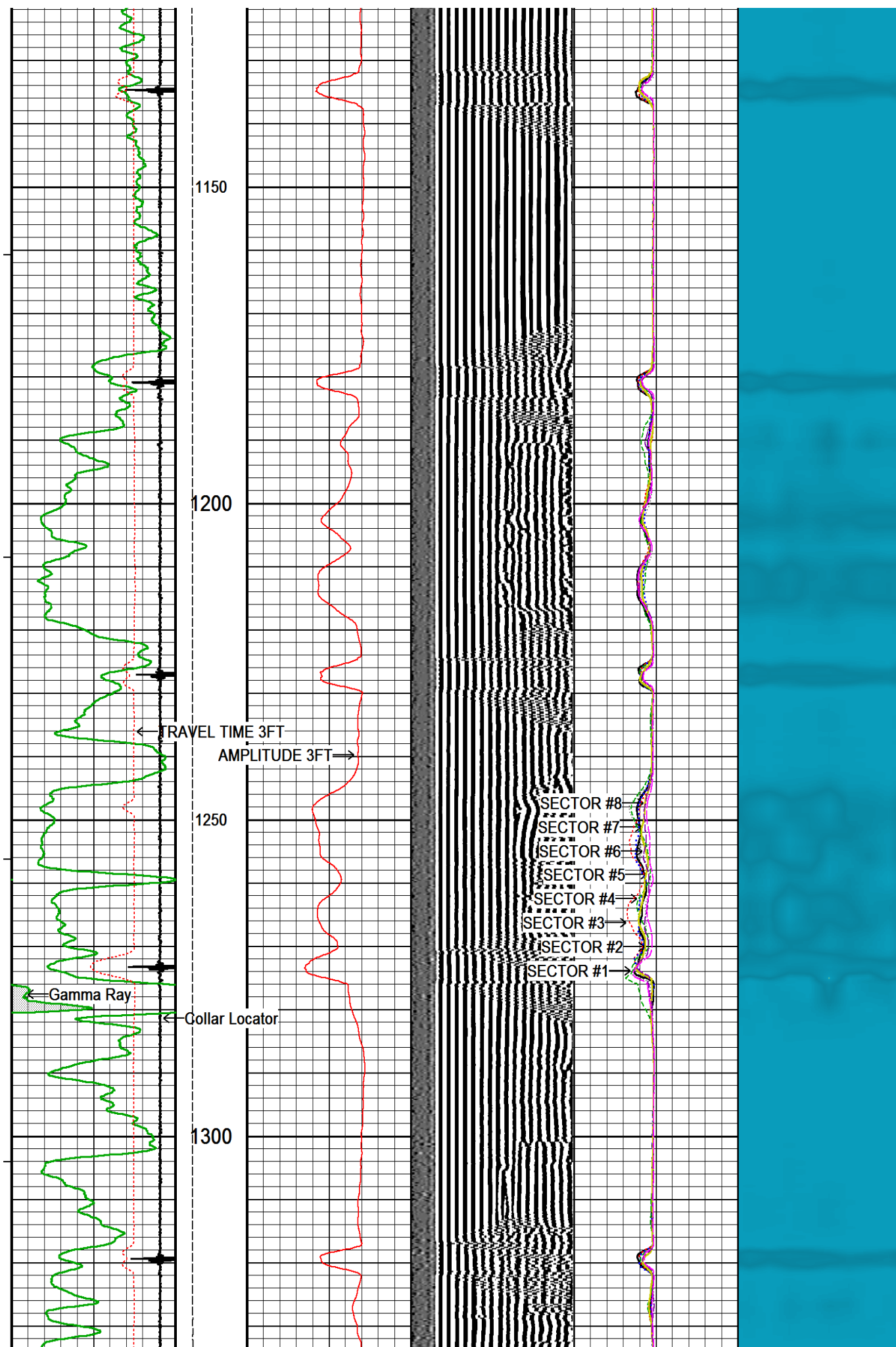
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will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

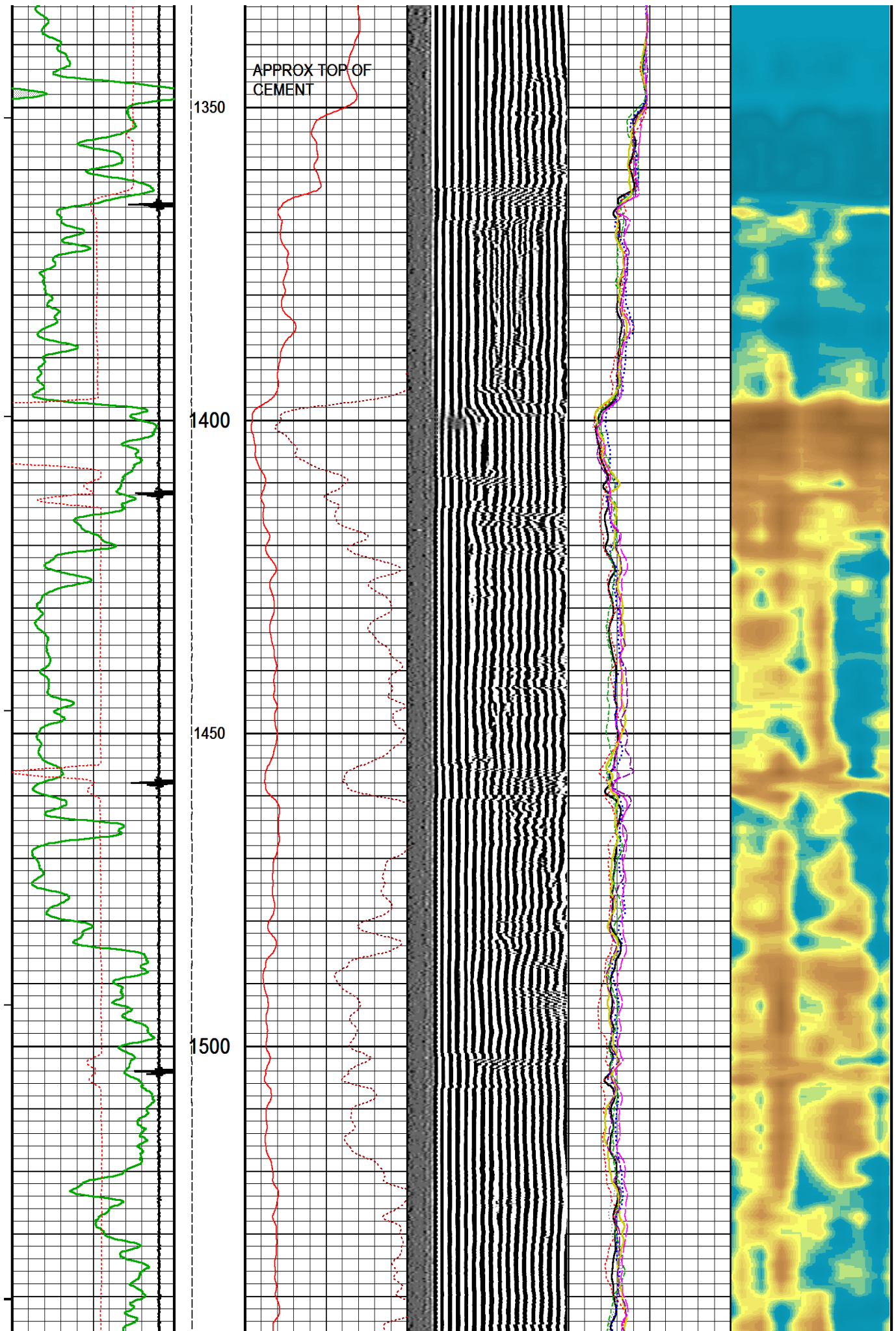


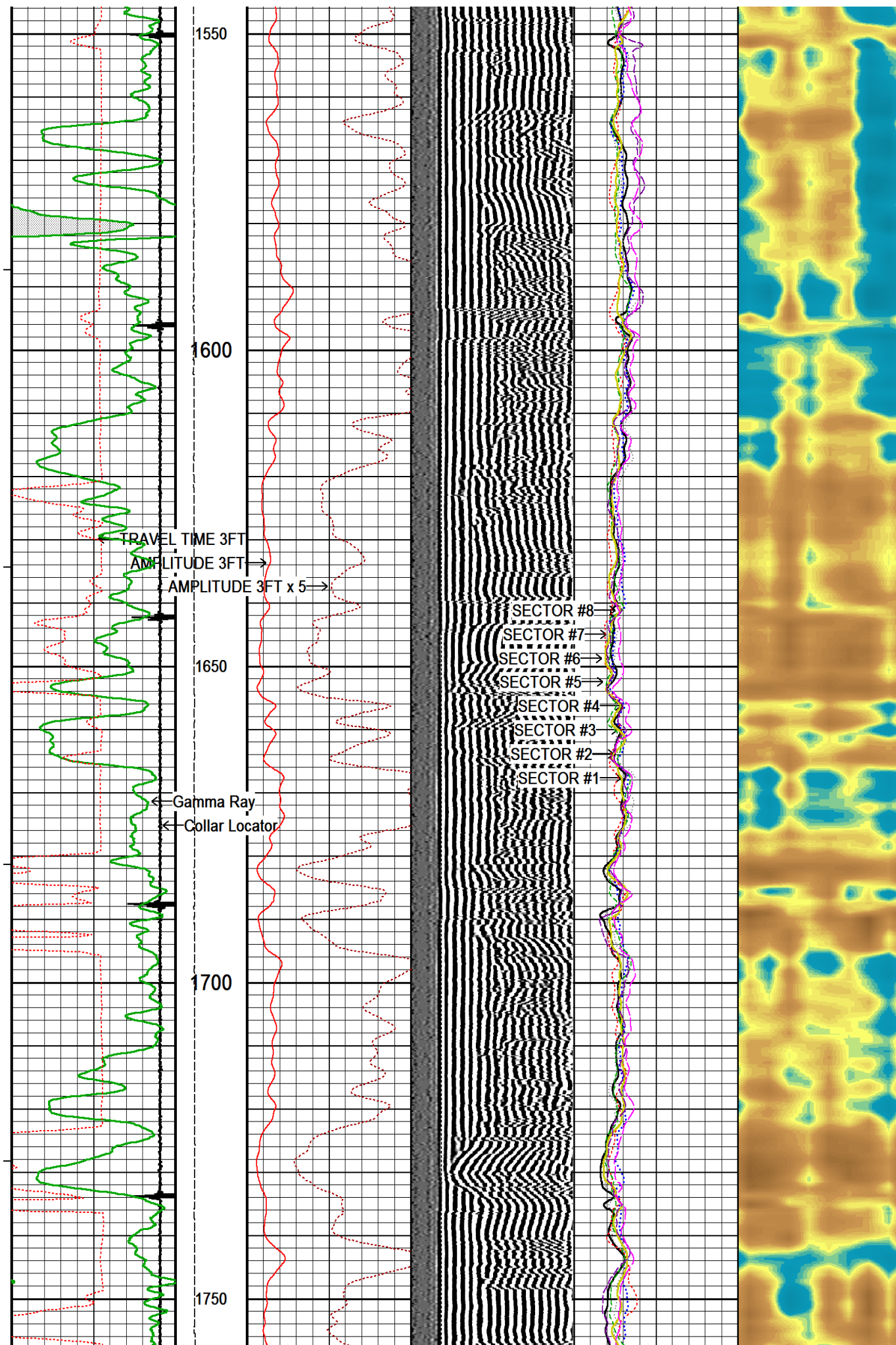


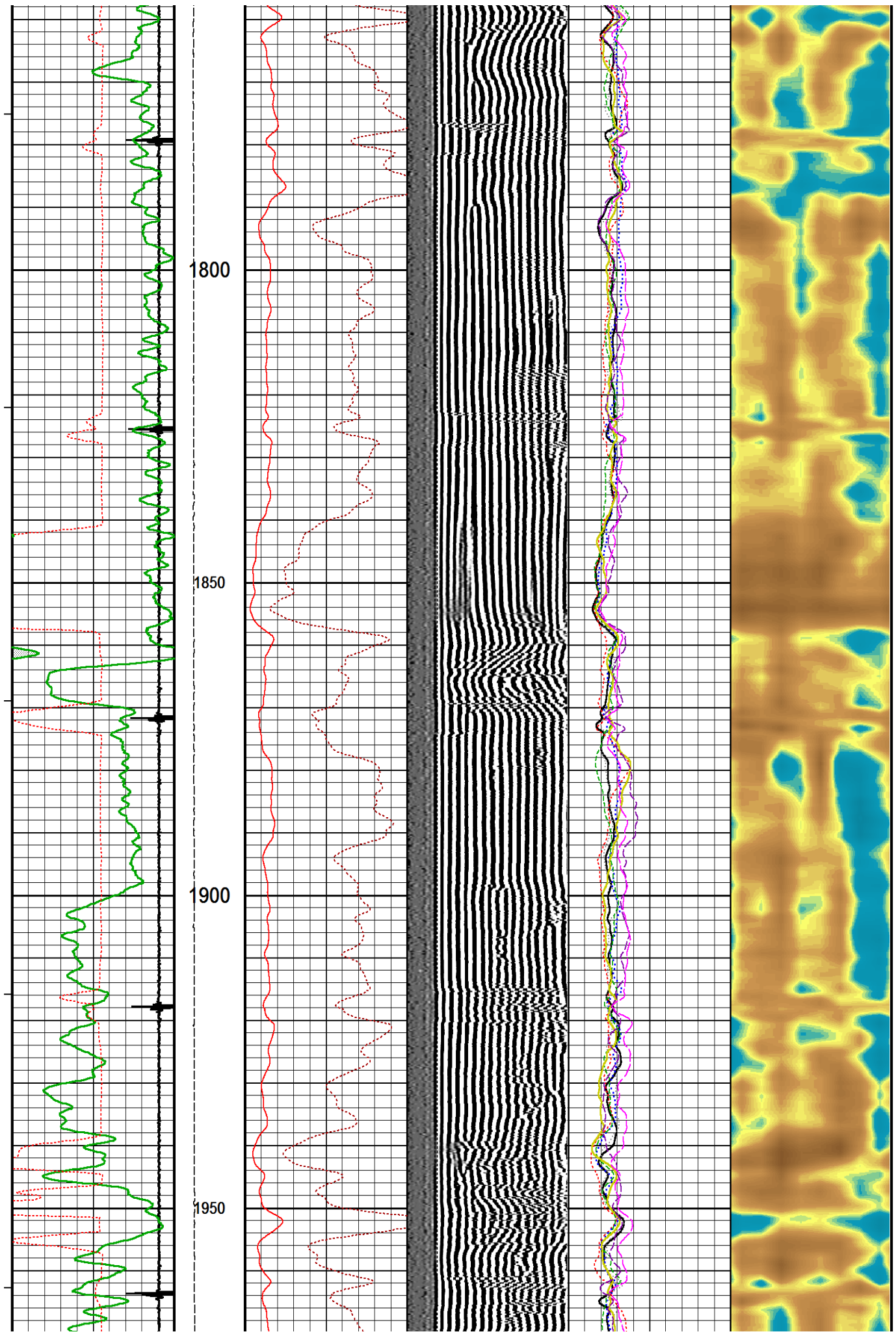


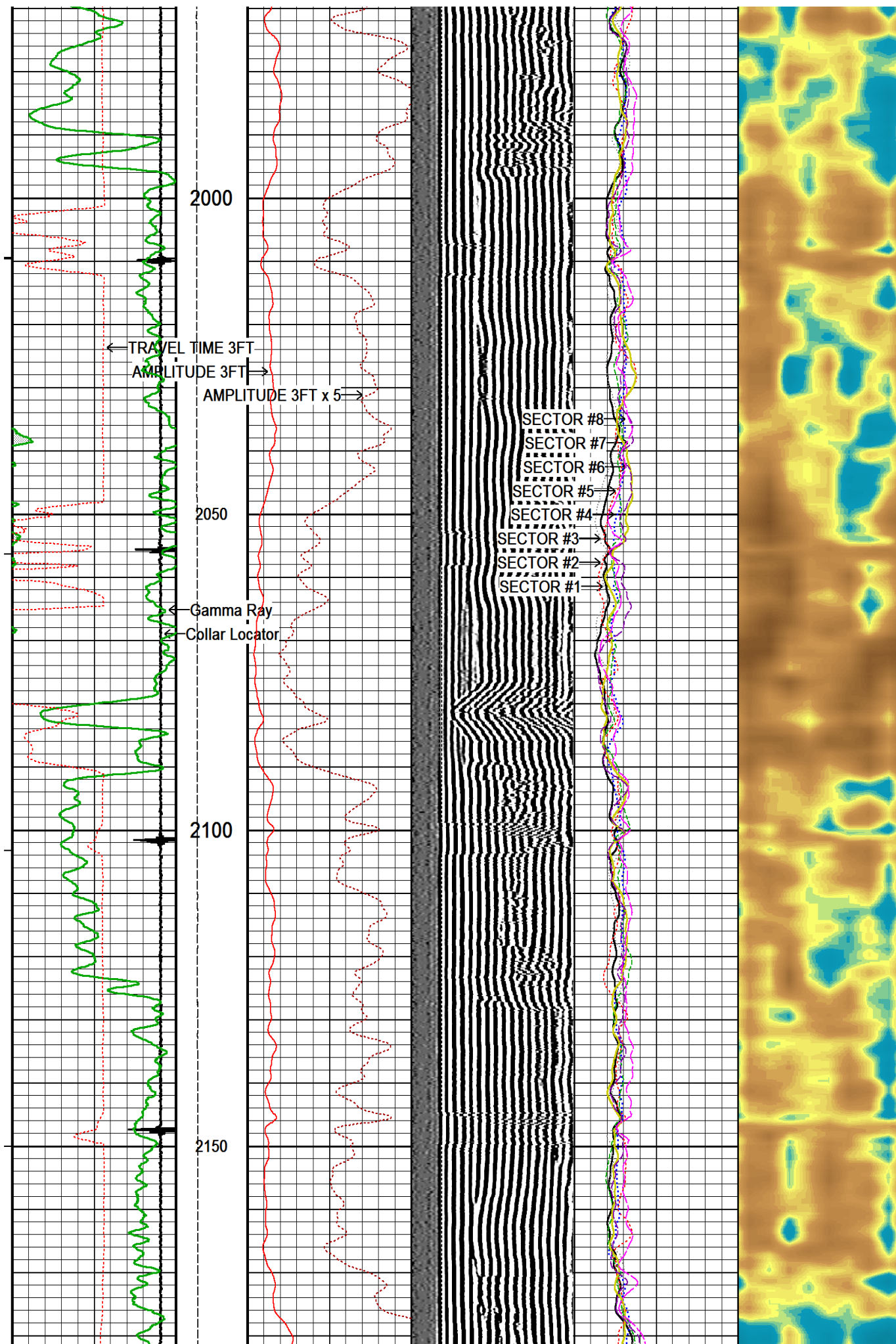


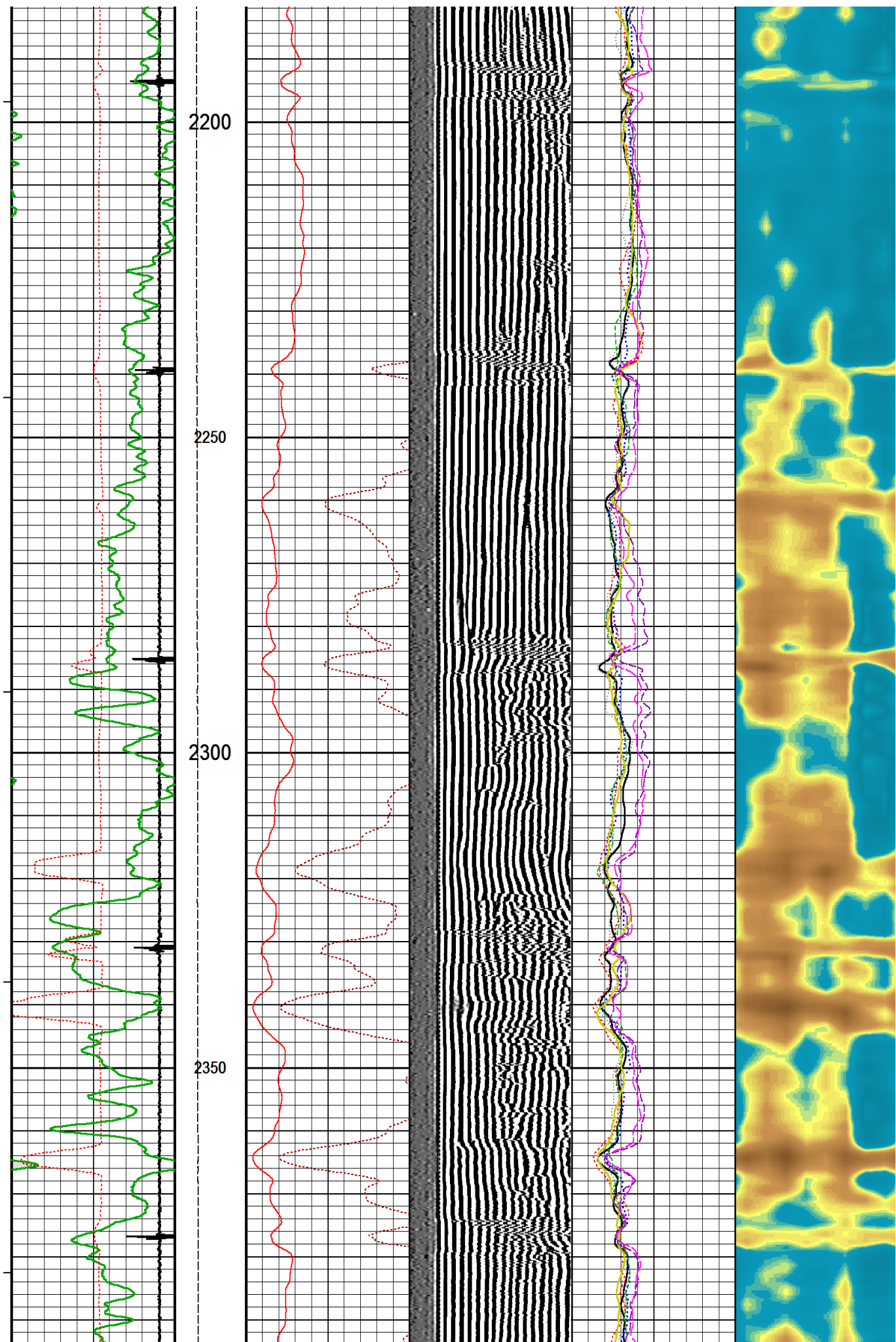


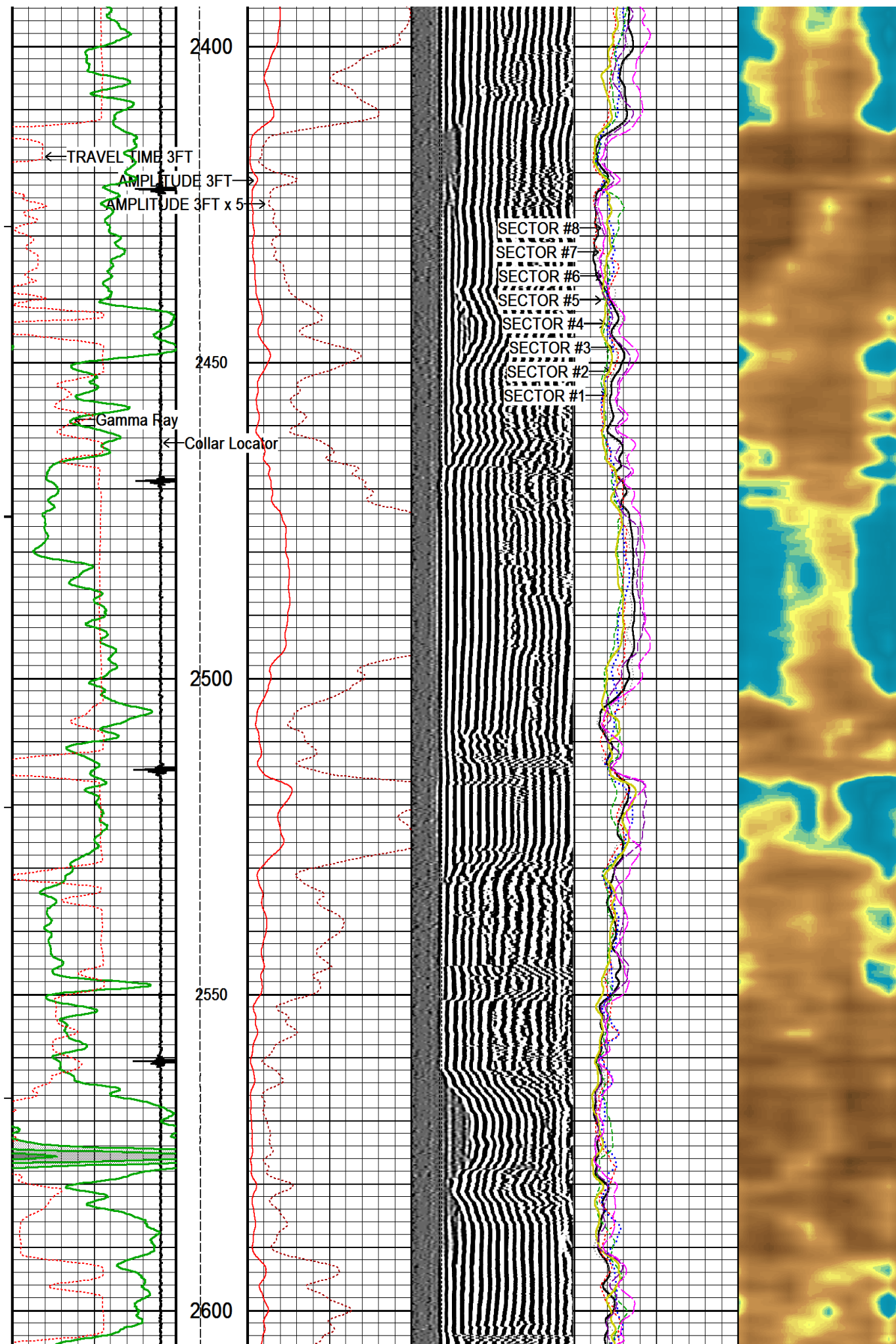


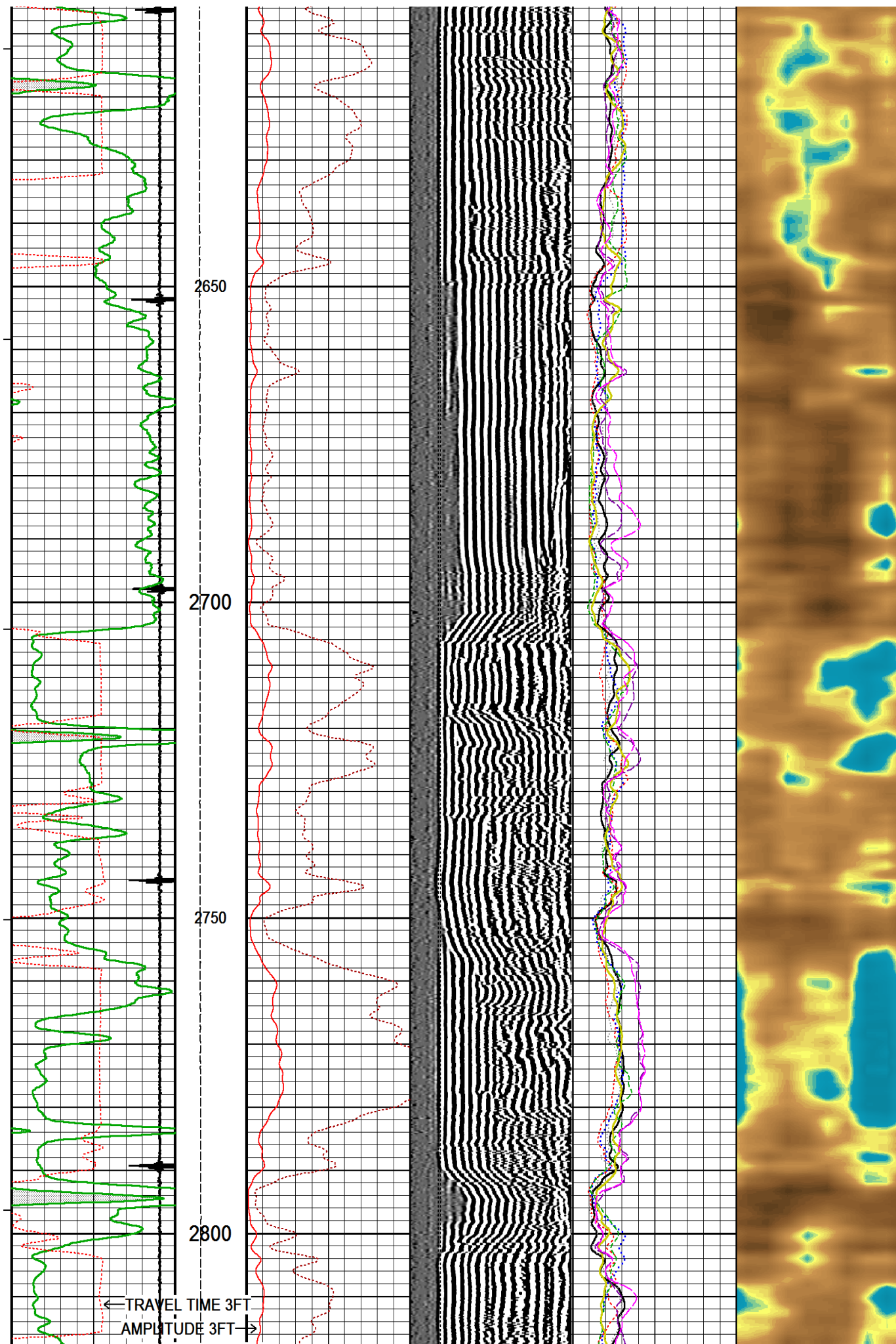


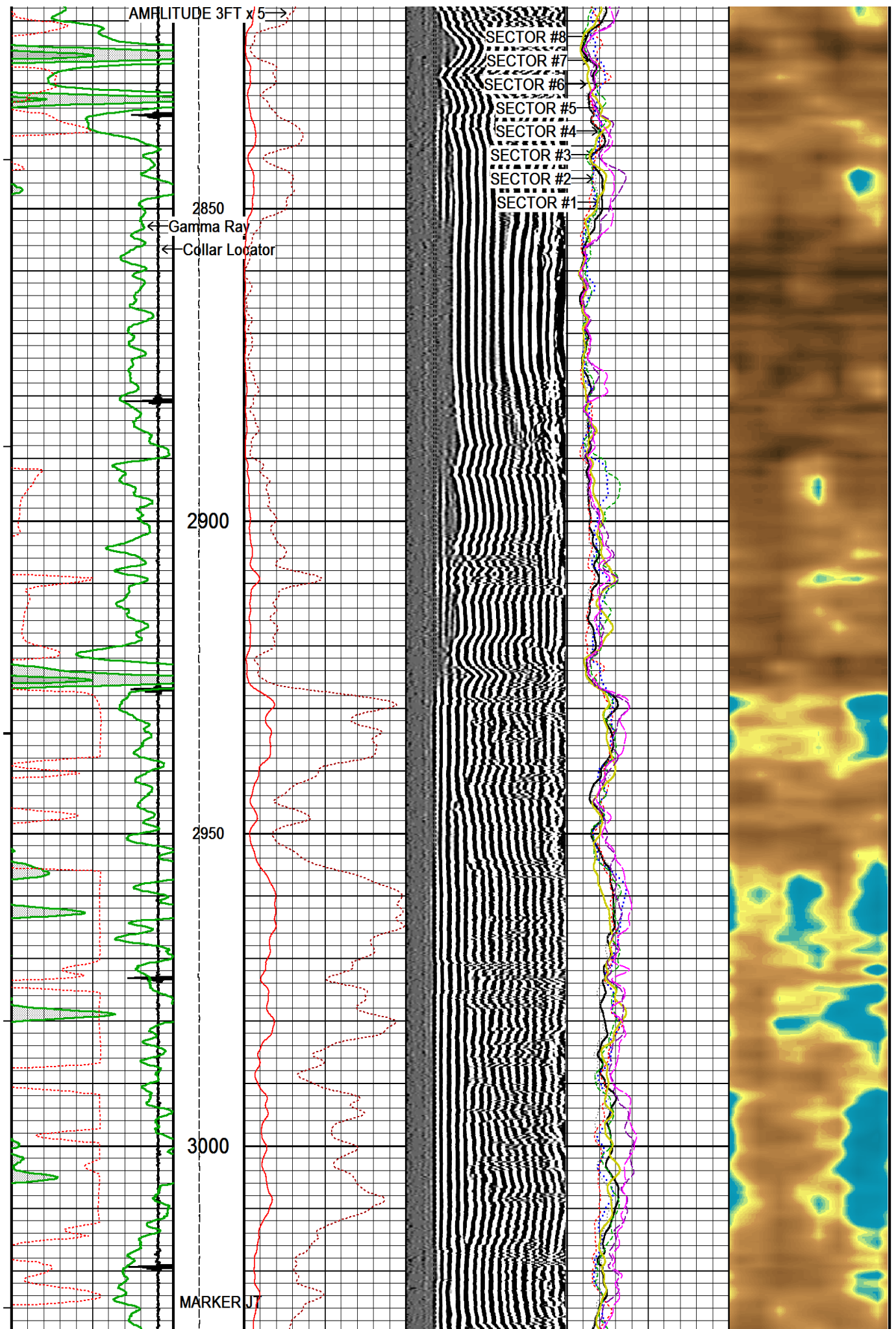


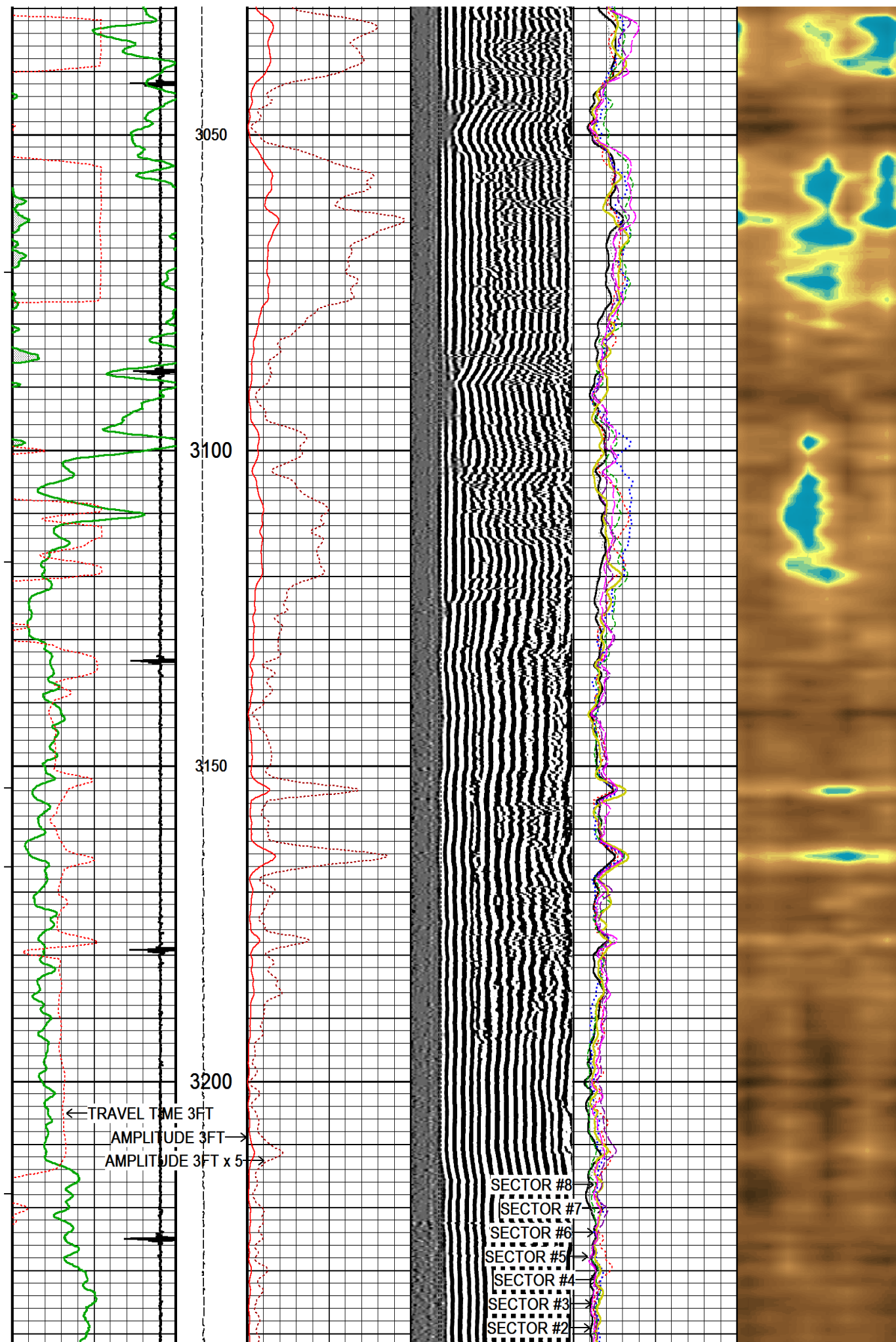


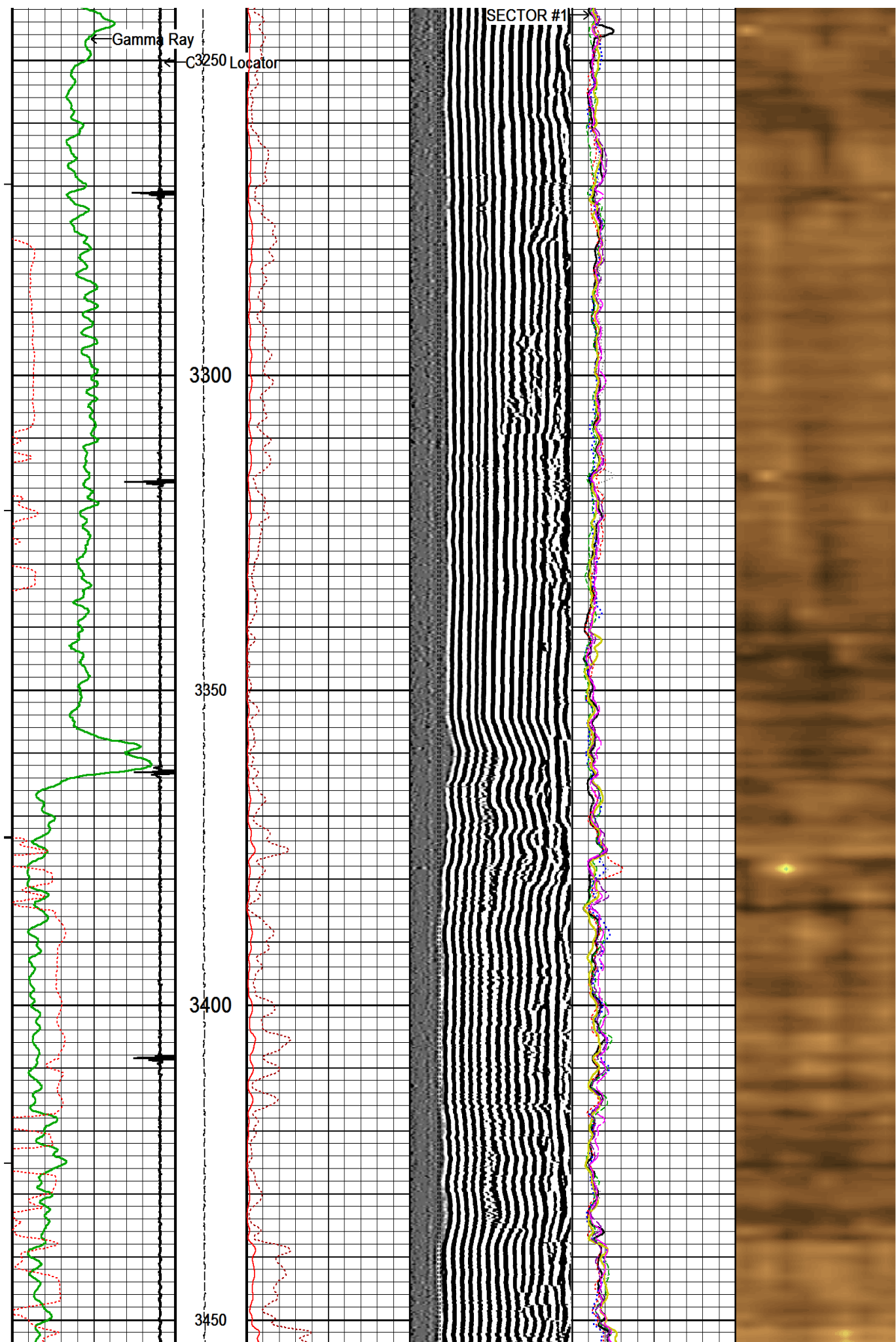


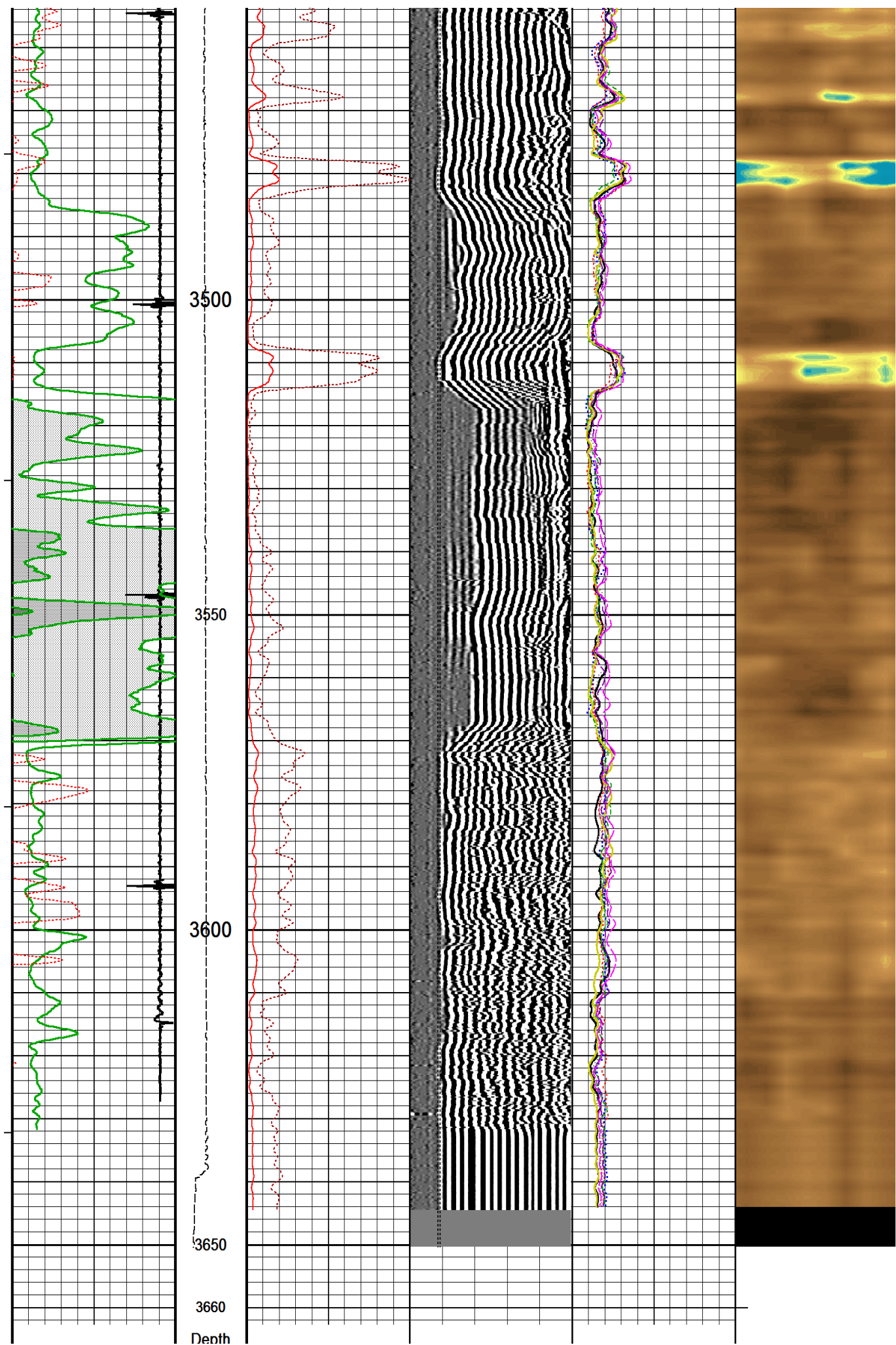


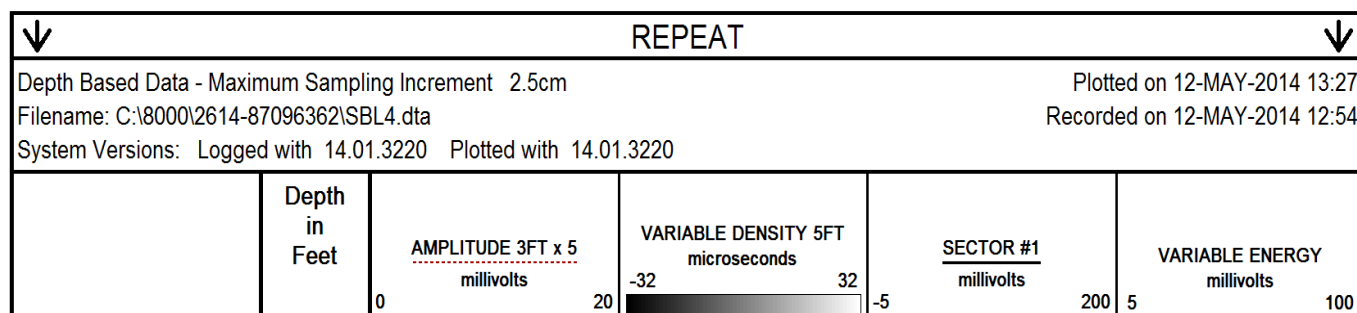
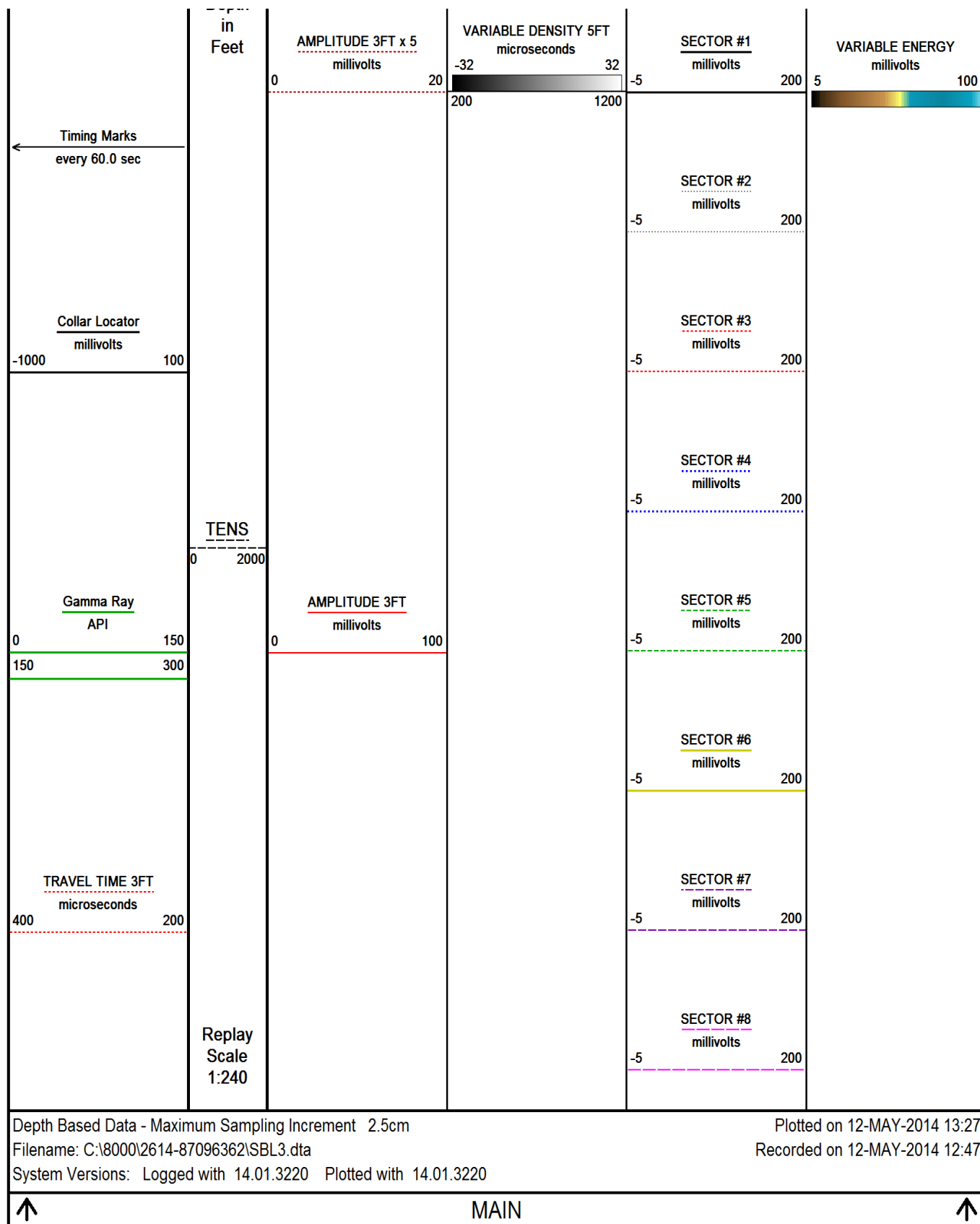


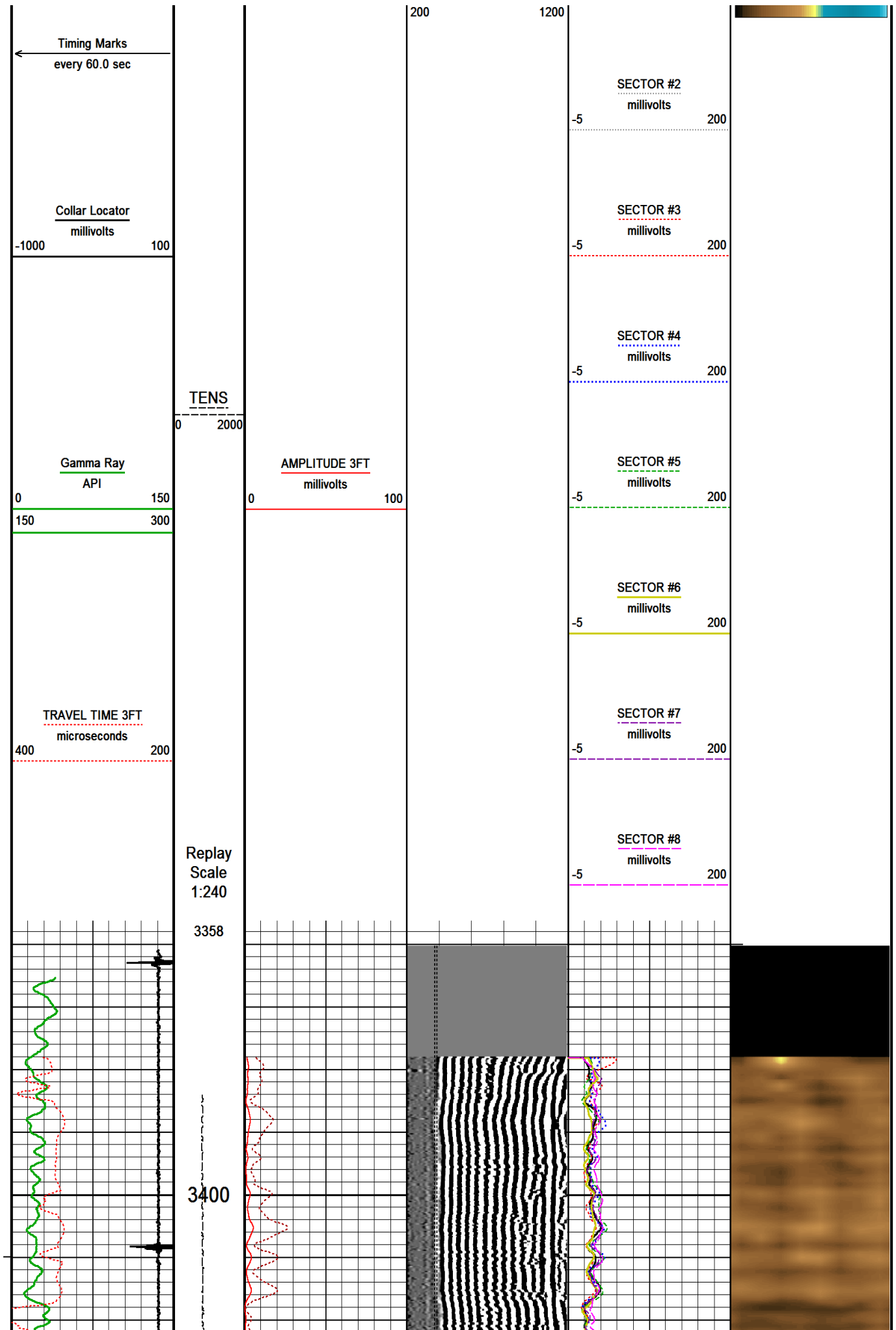


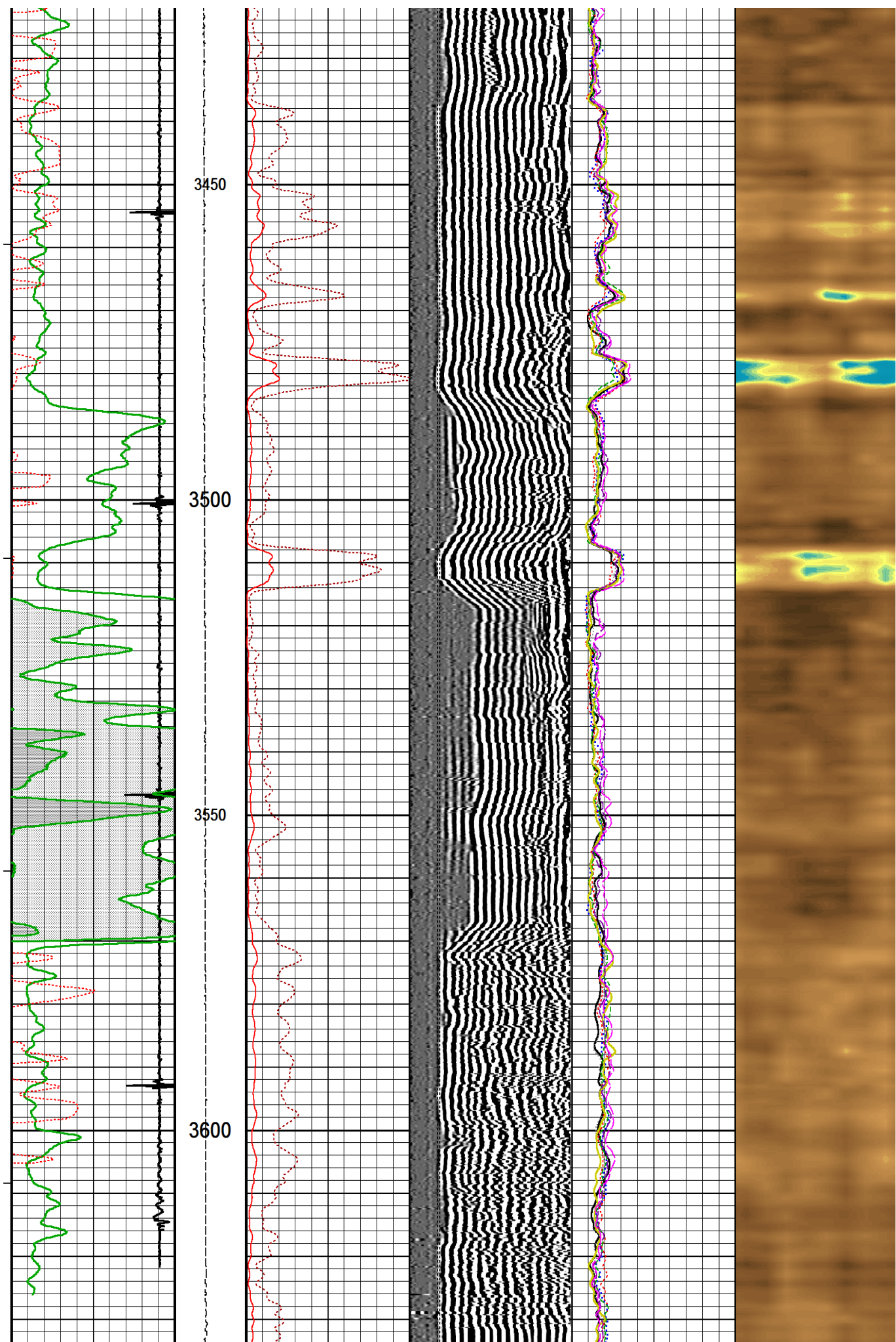


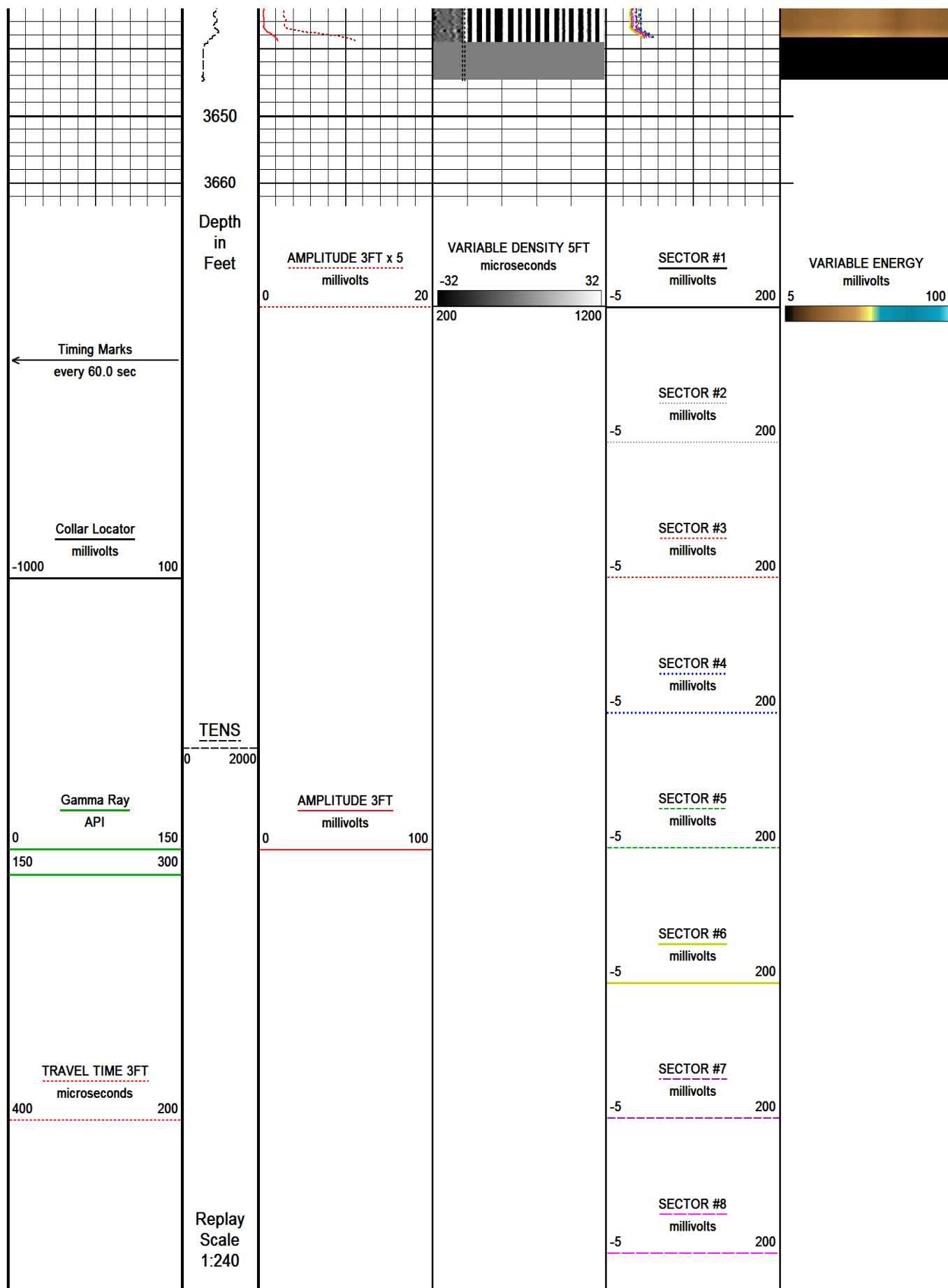












Depth Based Data - Maximum Sampling Increment 2.5cm

Filename: C:\8000\2614-87096362\SBL4.dta

System Versions: Logged with 14.01.3220 Plotted with 14.01.3220

Plotted on 12-MAY-2014 13:27

Recorded on 12-MAY-2014 12:54

DOWNHOLE EQUIPMENT

C:\8000\2614-87096362\SBL3.dta

Mono-Cablehead

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

2.75in Bond Cent

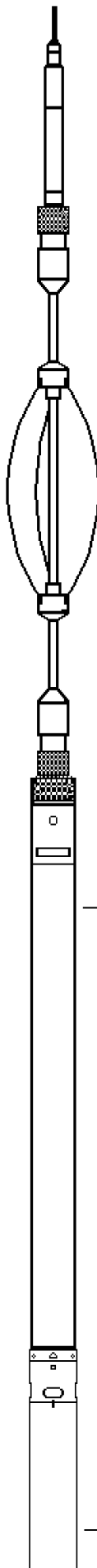
CEN-AA 202 LG: 2.49 ft WT: 11.0 lb OD: 2.717 in

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 182 LG: 4.71 ft WT: 59.5 lb OD: 2.756 in

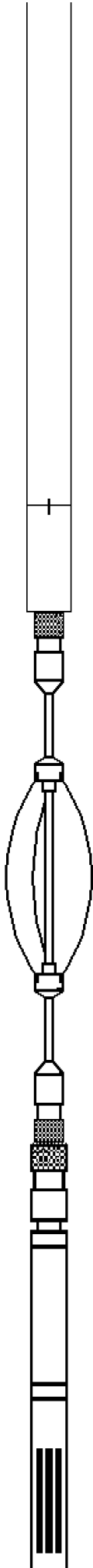


23.23 ft CCL - Collar Locator

19.64 ft GR - Gamma Ray

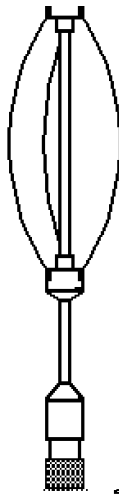
2.75in SBT Middle
CEN-BA 141 LG: 3.08 ft WT: 22.0 lb OD: 2.717 in

Sector Bond Tool
SBT-AC 307 LG: 10.32 ft WT: 90.4 lb OD: 2.720 in



A vertical strip of various patterns and symbols, including a diamond, a cross, and a series of vertical bars.

- 5.95 ft VDL2 - VARIABLE DENSITY 5FT



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

Total Length: 27.51 ft Weight: 235.9 lb

All measurements relative to tool zero.

SHOP AND FIELD CALIBRATIONS

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UGR Field Survey Cal GRB-AB 182

Field calibration on 00-JAN-1988 00:00

Gamma Ray Field Survey Calibration

Tool Type: GRB-AB
Calibrator No:

Serial No: 182

Background	Calibrator	Standard	Units
0.0	170.0	100.0	CPS

Delta Counts Per Sec: 170.0 CPS/API = 1.700

SBT Field Calibration SBT-AC 307

Field calibration on 00-JAN-1988 00:00

Sector Bond Field Calibration

Tool Type	SBT-AC	Serial No	307
Sensor	Description	Standard	Measured
AMP 3FT	100% Bond	0.00	0.30
	Free Pipe	72.00	91.70
AMP 5FT	100% Bond	0.00	1.50
	Free Pipe	100.00	245.00
1 SECTOR AMP	100% Bond	5.00	12.10
	Free Pipe	95.00	411.50
2 SECTOR AMP	100% Bond	5.00	7.70
	Free Pipe	95.00	313.50
3 SECTOR AMP	100% Bond	5.00	5.20
	Free Pipe	95.00	312.70
4 SECTOR AMP	100% Bond	5.00	4.10

4 SECTOR AMP	100% Bond Free Pipe	5.00 95.00	7.10 519.90
5 SECTOR AMP	100% Bond Free Pipe	5.00 95.00	5.10 475.00
6 SECTOR AMP	100% Bond Free Pipe	5.00 95.00	6.80 341.10
7 SECTOR AMP	100% Bond Free Pipe	5.00 95.00	9.90 294.30
8 SECTOR AMP	100% Bond Free Pipe	5.00 95.00	16.60 363.00

SBT Constants SBT-AC 307

Last Edited on 00-JAN-1988 00:00

Min Ampl 100% Bond	1.00 mv
Max Ampl 0% Bond	72.00 mv
Casing Size	5.50 IN
Casing Weight	15.5 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
Cement weight	0.00 LB/G

EQUIPMENT TABLE			
Run No	Tool Type	Tool Number	Tool Name
1	MCH-AA	0	Mono-Cablehead
1	CEN-AA	202	2.75in Bond Cent
1	CTB-AB	308	2.75" CCL/Telemetry Sub
1	GRB-AB	182	2.75" Gamma Ray Tool
1	CEN-BA	141	2.75in SBT Middle
1	SBT-AC	307	Sector Bond Tool
1	CEN-AA	207	2.75in Bond Cent

COMPANY	TAOS RESOURCES COMPANY, LLC				
WELL	WMU 24				
FIELD	NORTH MADDIX UNIT				
PROVINCE/COUNTY	COWLEY				
COUNTRY/STATE	KANSAS				
Elevation Kelly Rushing	1286.00	feet	Bottom Log Interval	3632.00	feet

Elevation Hony Seaming	1288.00	feet	Bottom Log Interval	3632.00	feet
Elevation Drill Floor	1284.00	feet	Depth Driller	3700.00	feet
Elevation Ground Level	1276.00	feet	Depth Logger	3638.00	feet



Weatherford[®]

SECTOR BOND LOG