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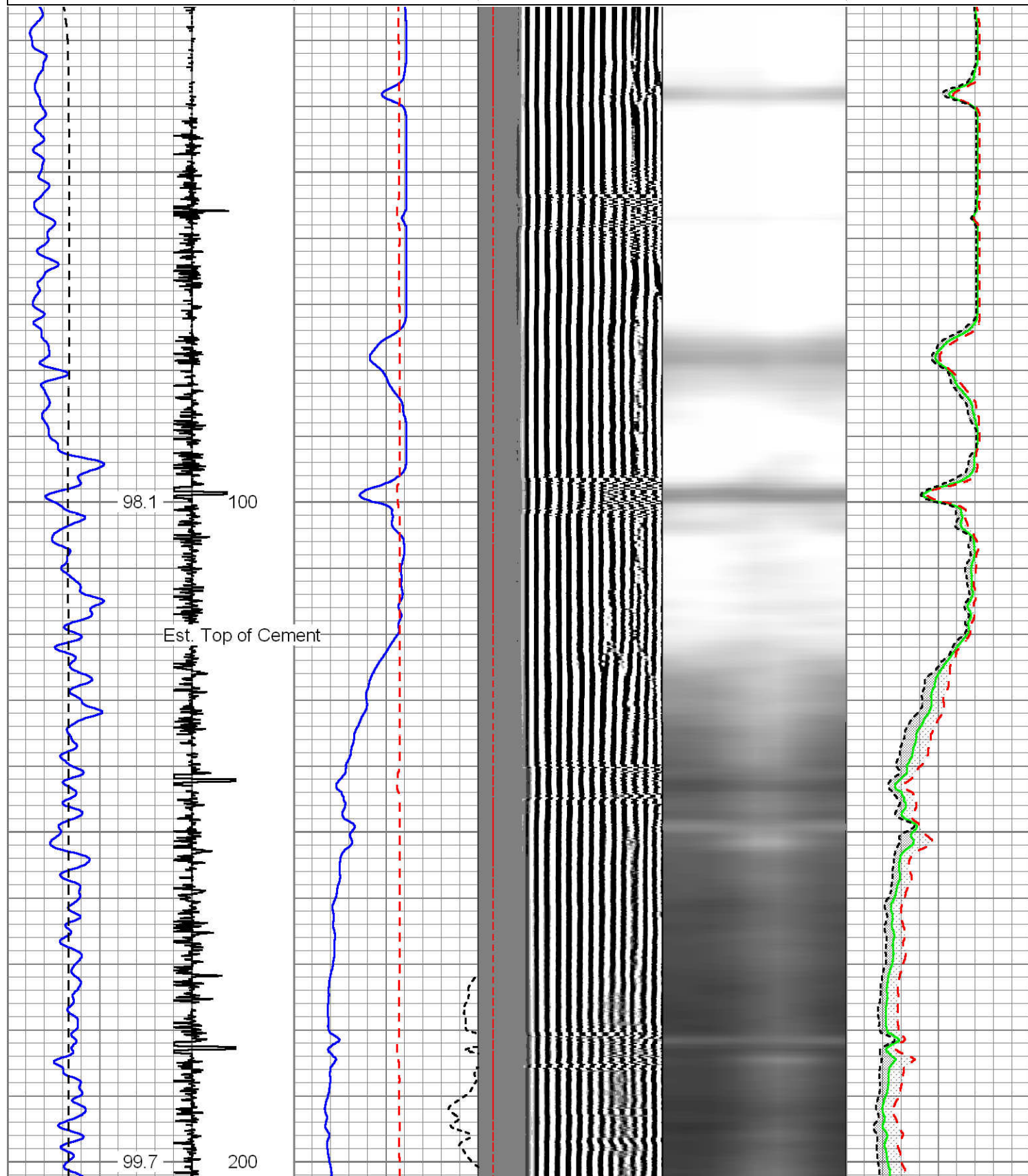
Comments

Thank you for choosing FMC Technologies Completion Services

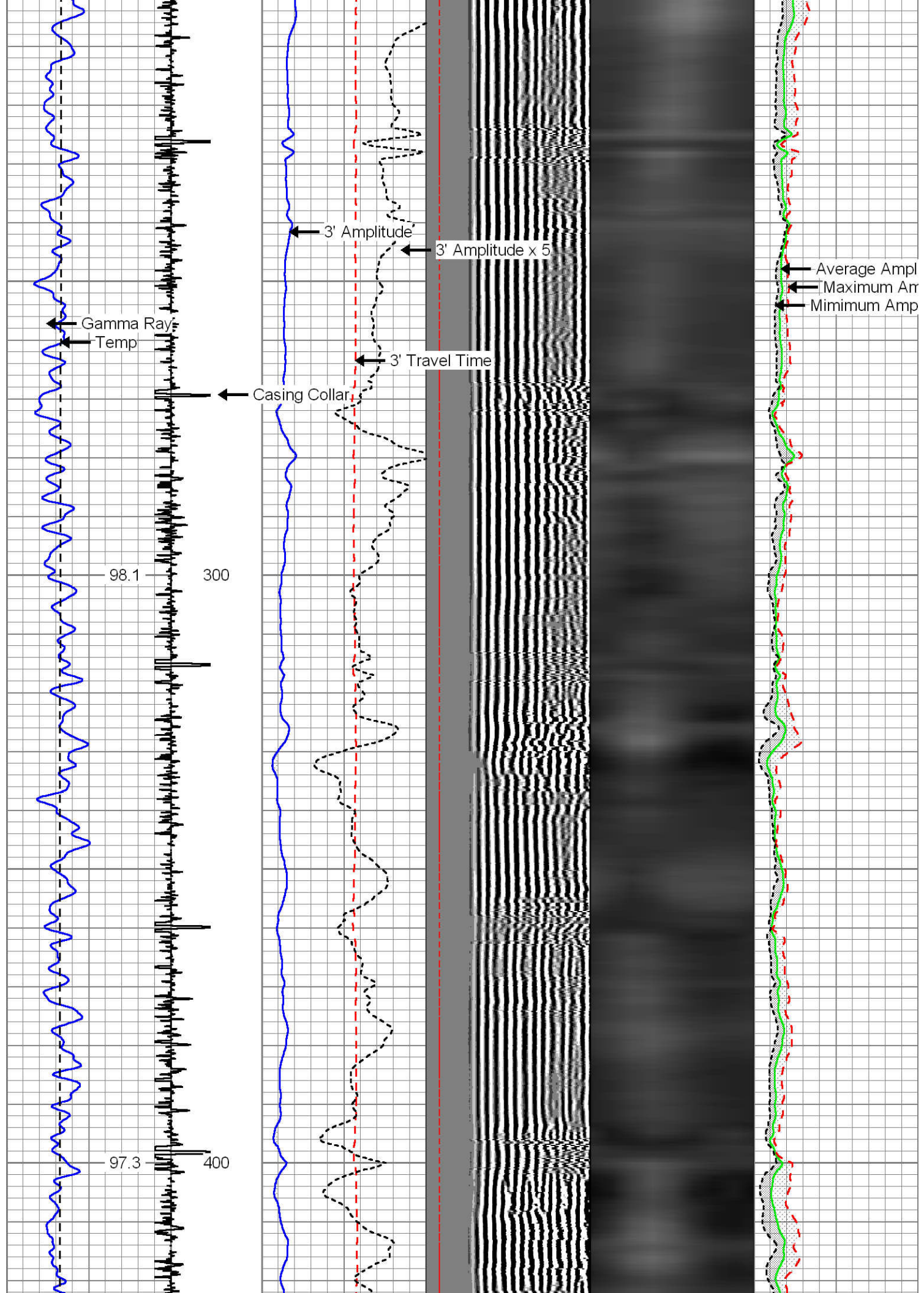


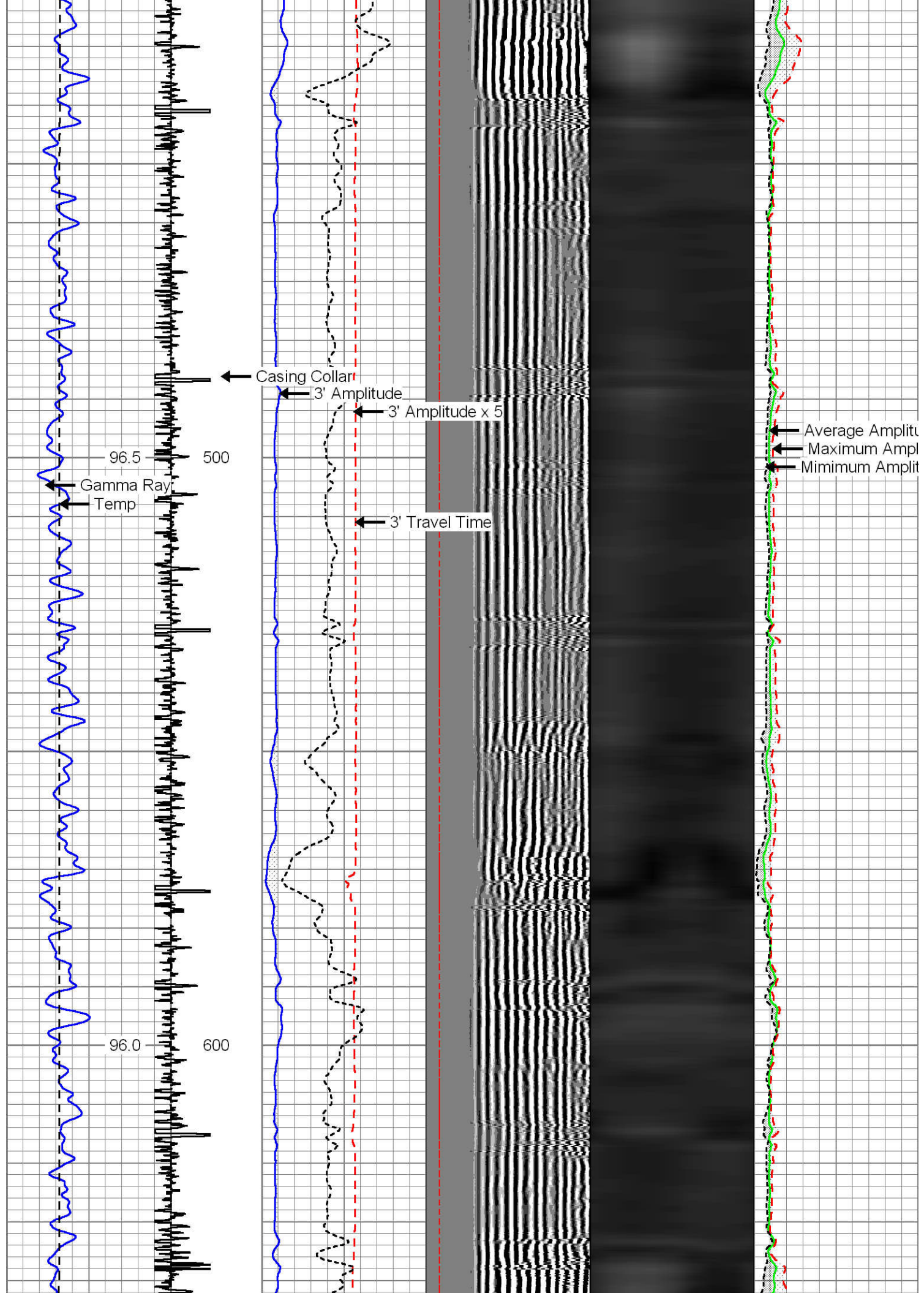
Database File: 05-123-36647\_whiting\_horsetail\_07-0611h.db  
Dataset Pathname: 6jun13/well/rcbl/pass15

CCL			3' Amplitude		5' Variable Density Log		Sector Map	Average Amplitude		
0	GR (GAPI)	120	0	(mV)	100	200		1200	0	100
<hr/>			3' Travel Time		PPT			Maximum Amplitude		
0	TEMP (degF)	300	650	(usec)	150	200	(usec)	1200	0	100
<hr/>			3' Amplitude x 5					Minimum Amplitude		
			0	(mV)	20			0	100	
<hr/>					<hr/>					

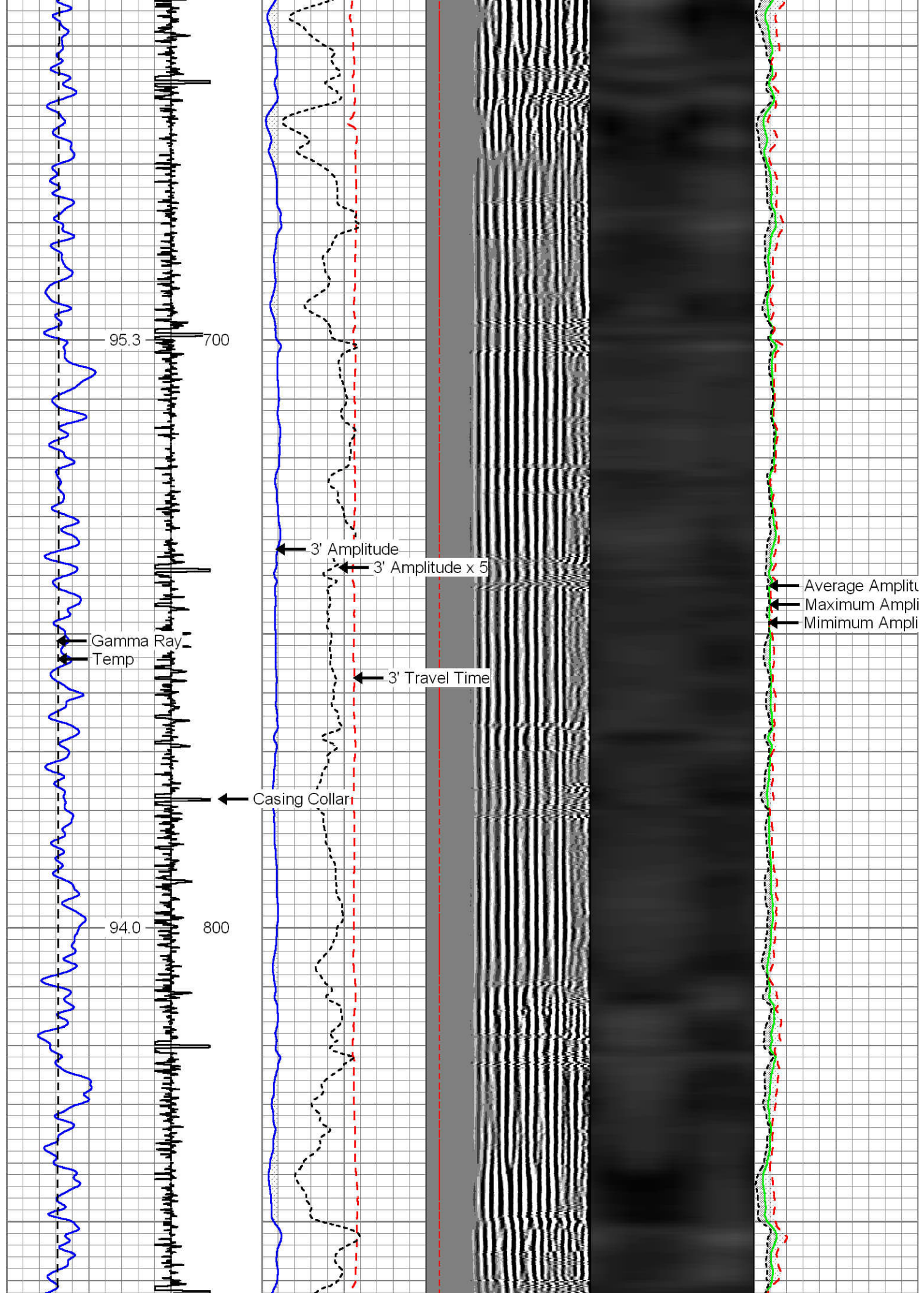


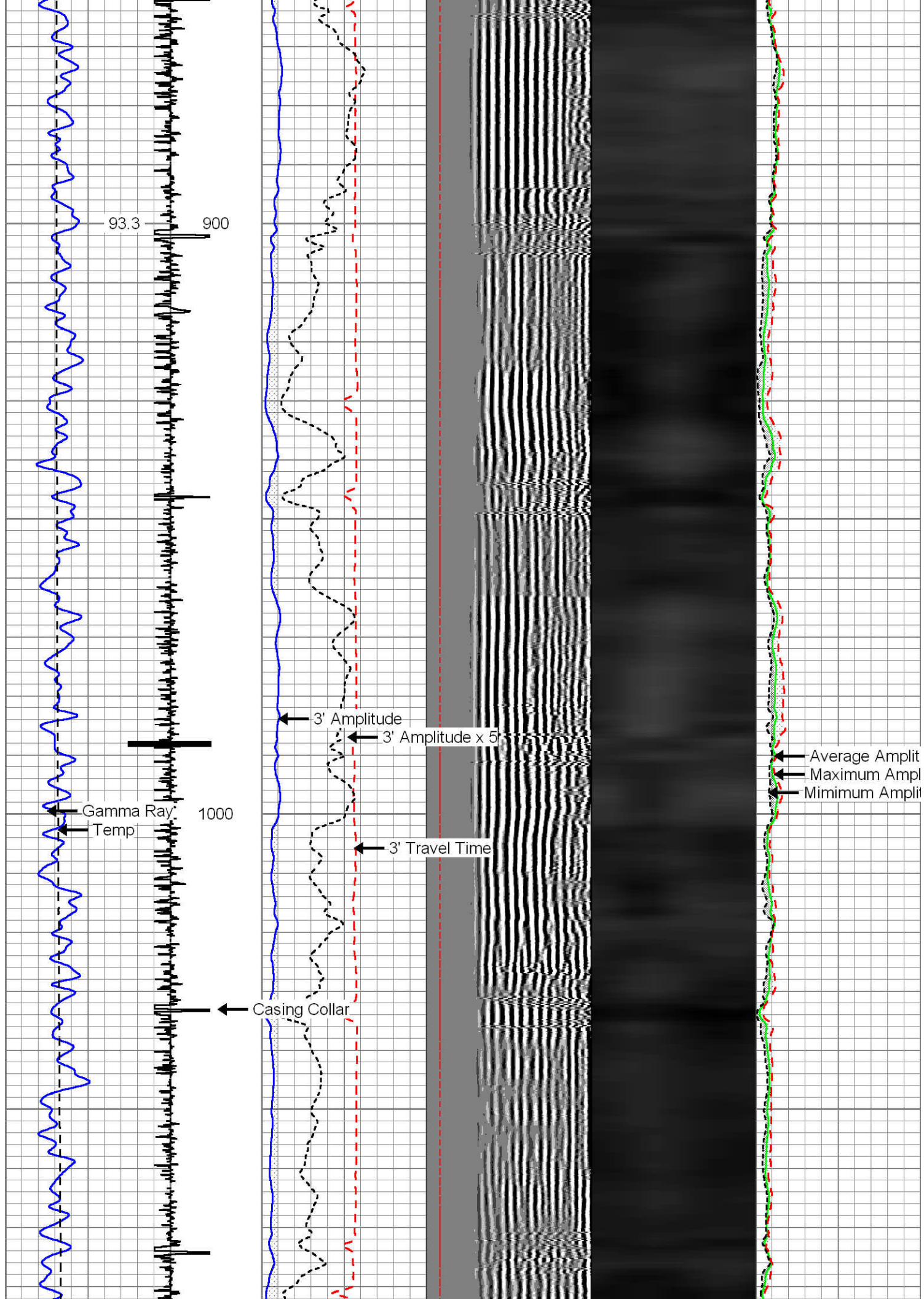




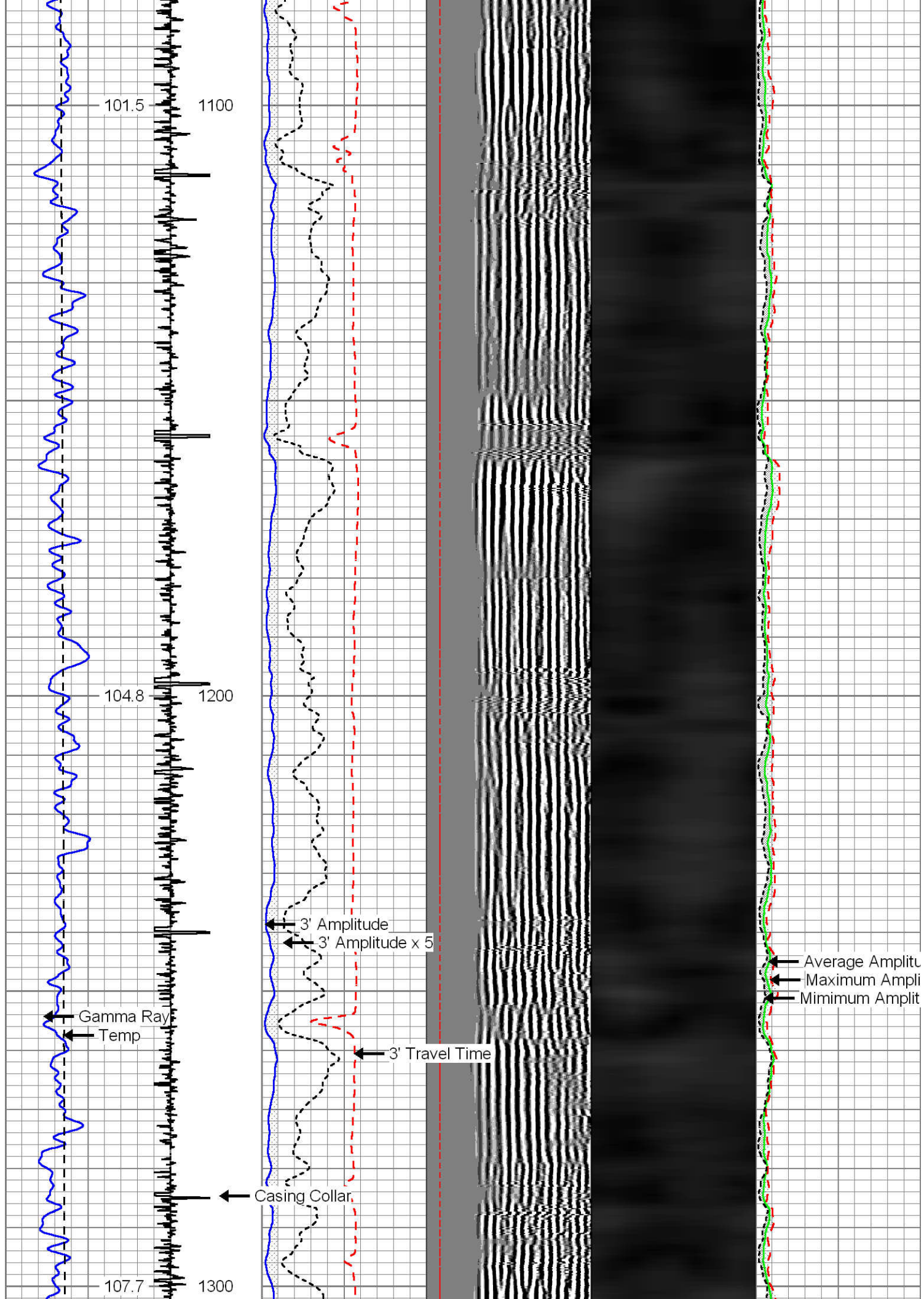


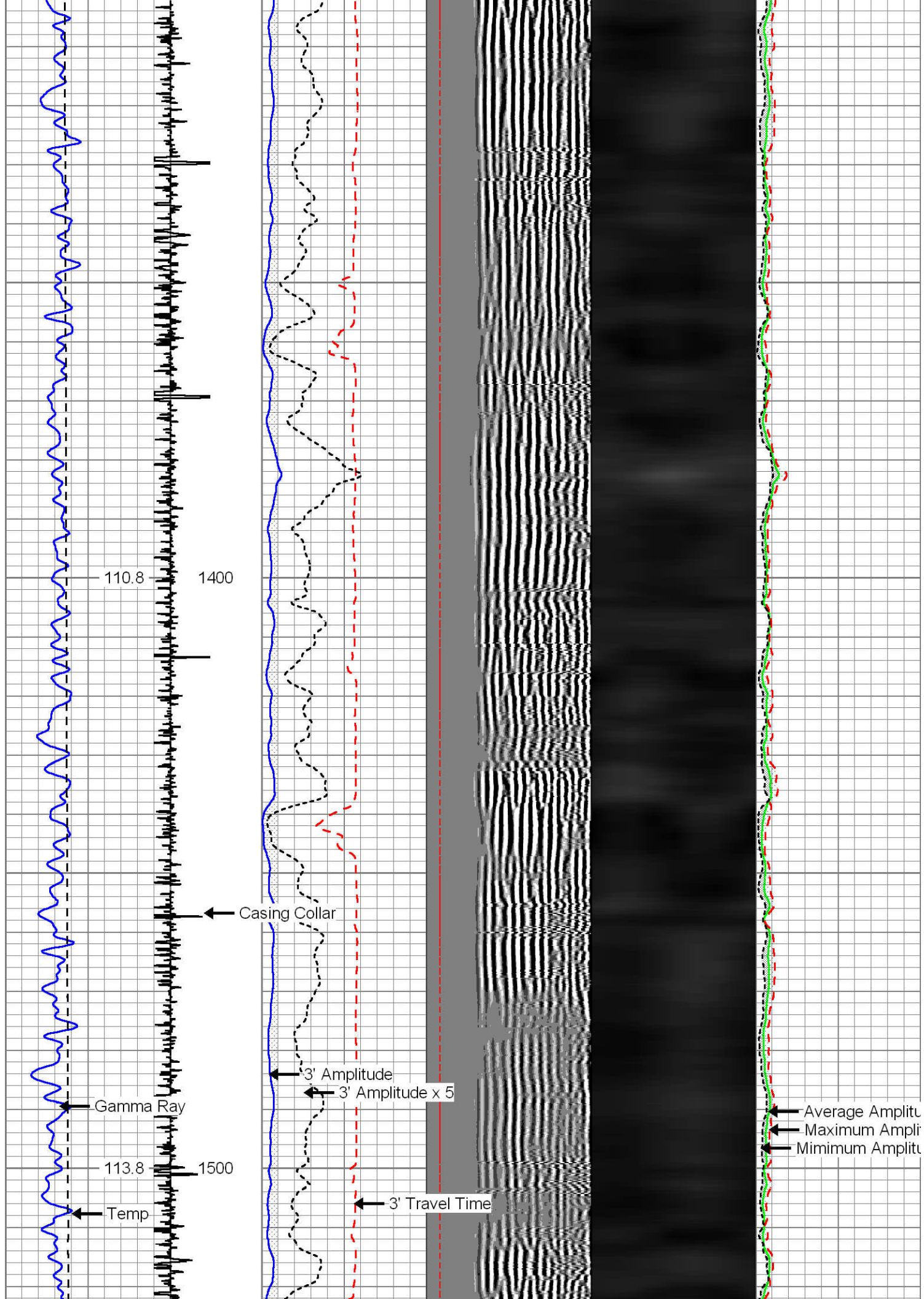




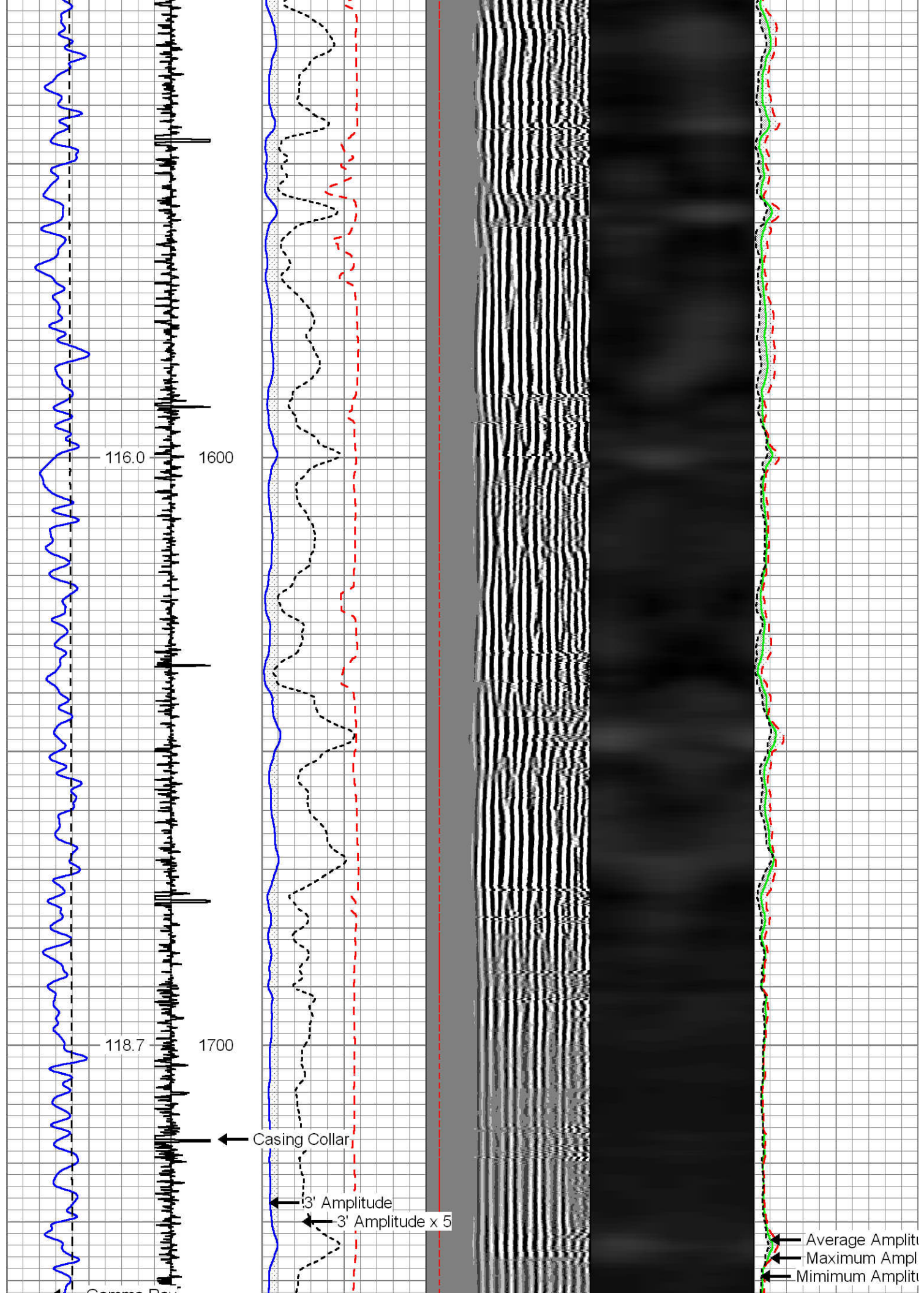


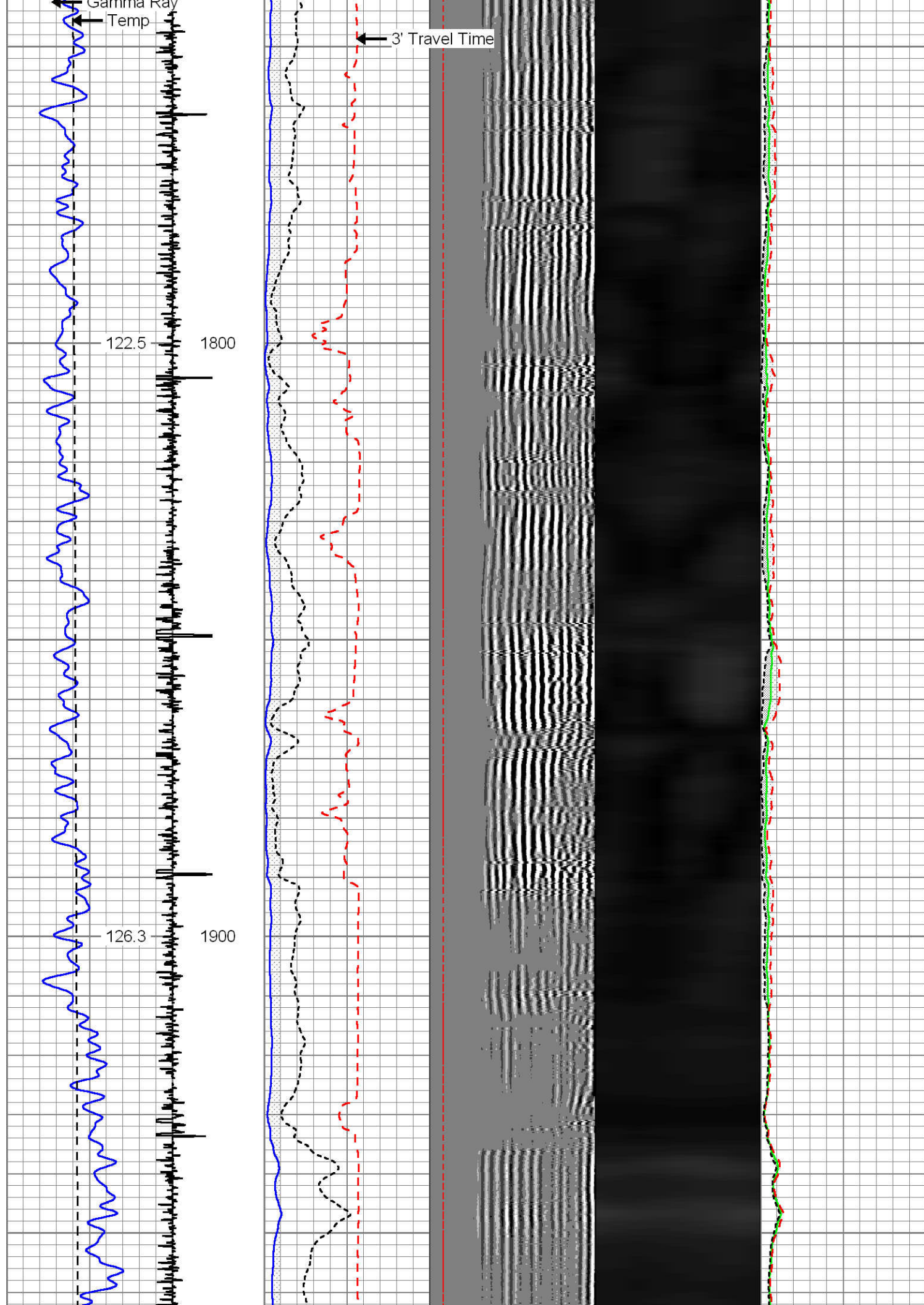




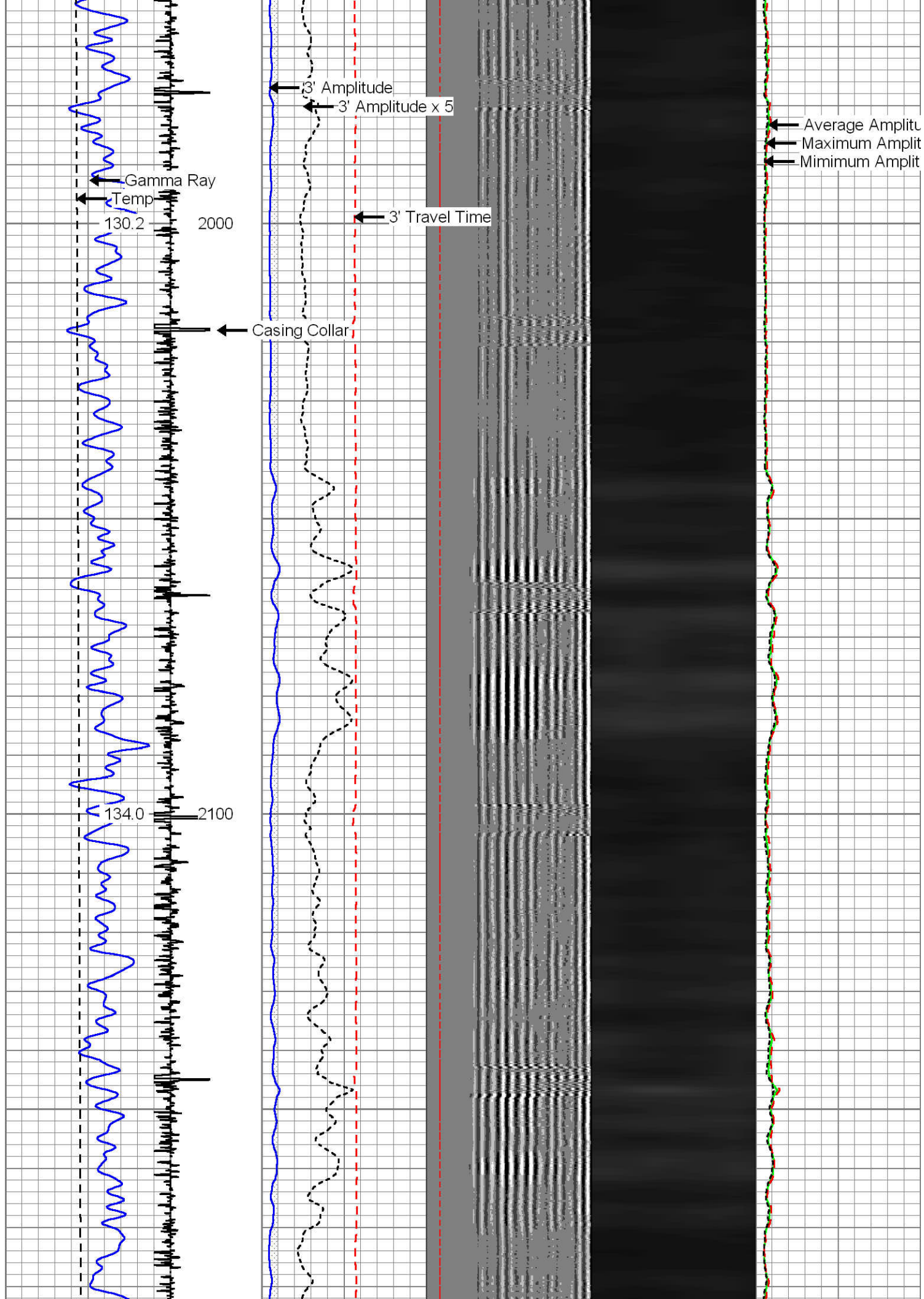


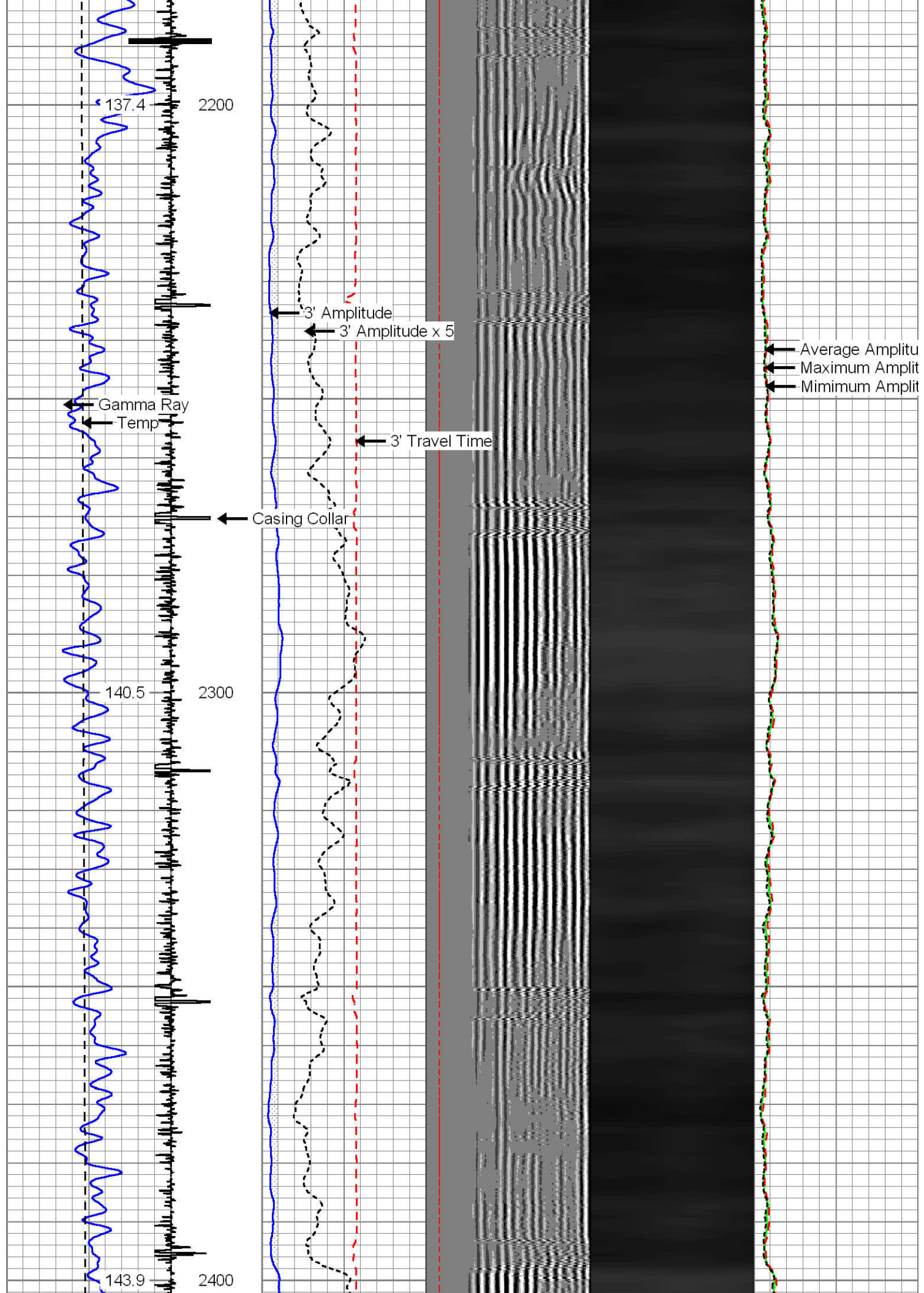




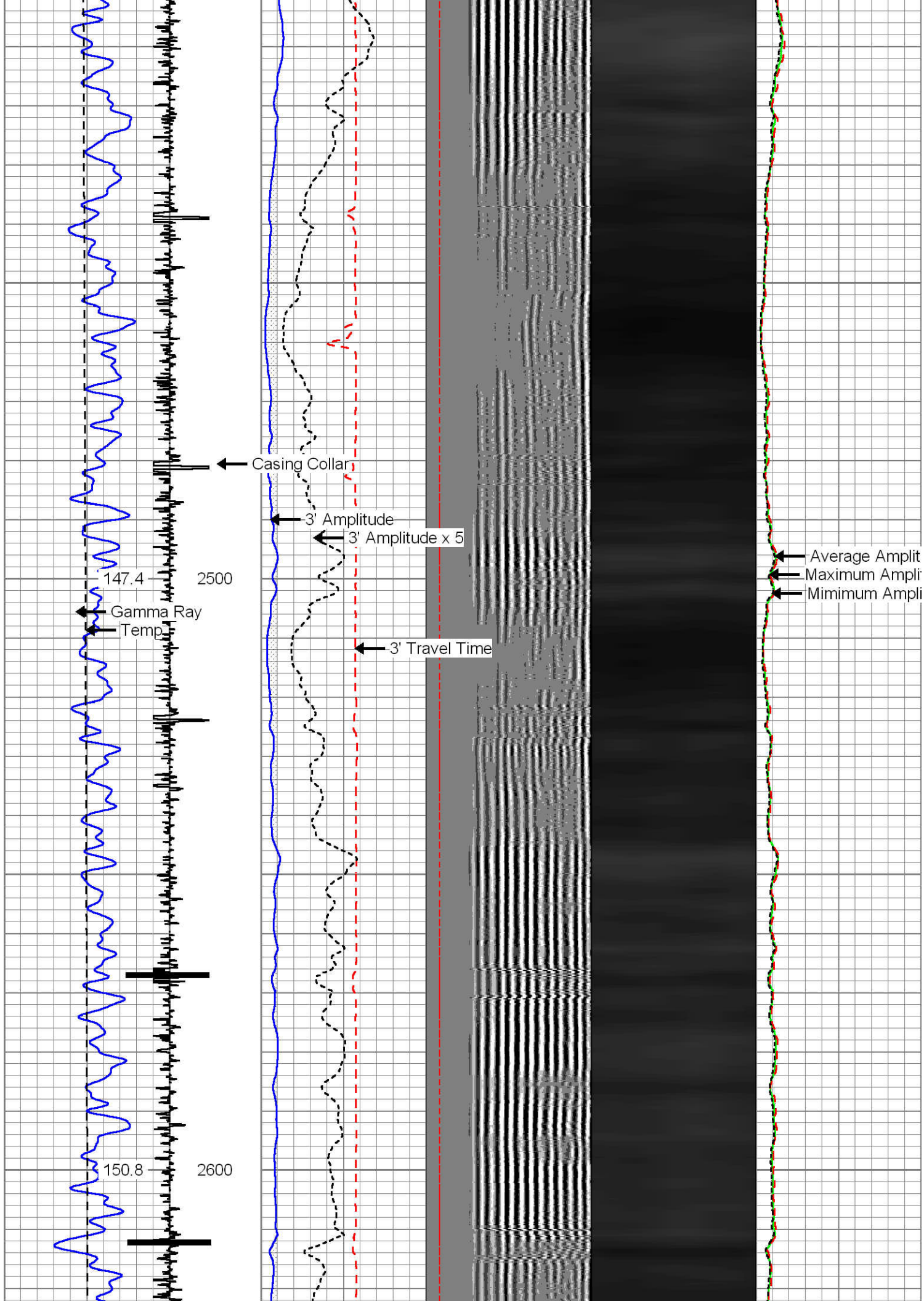


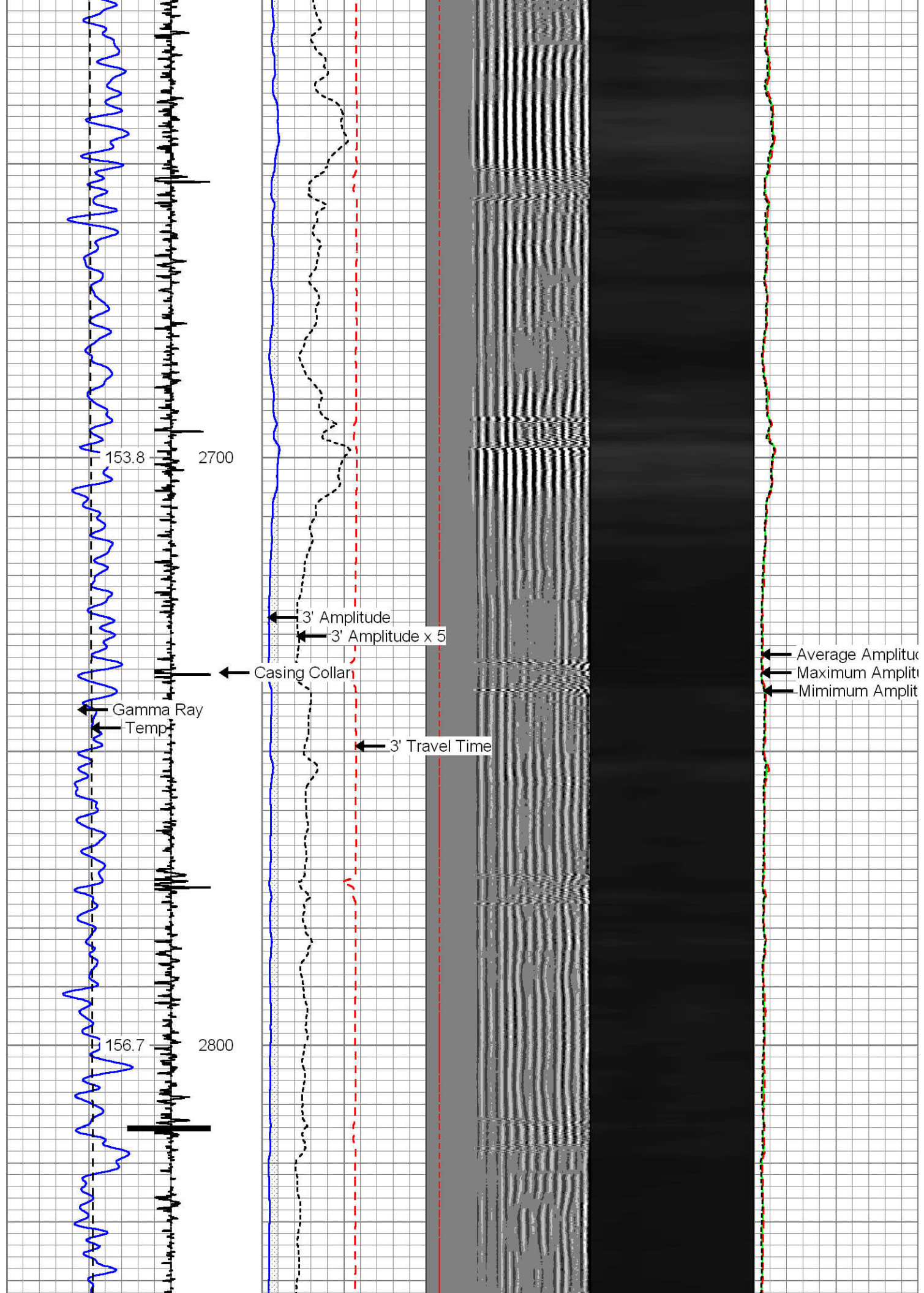




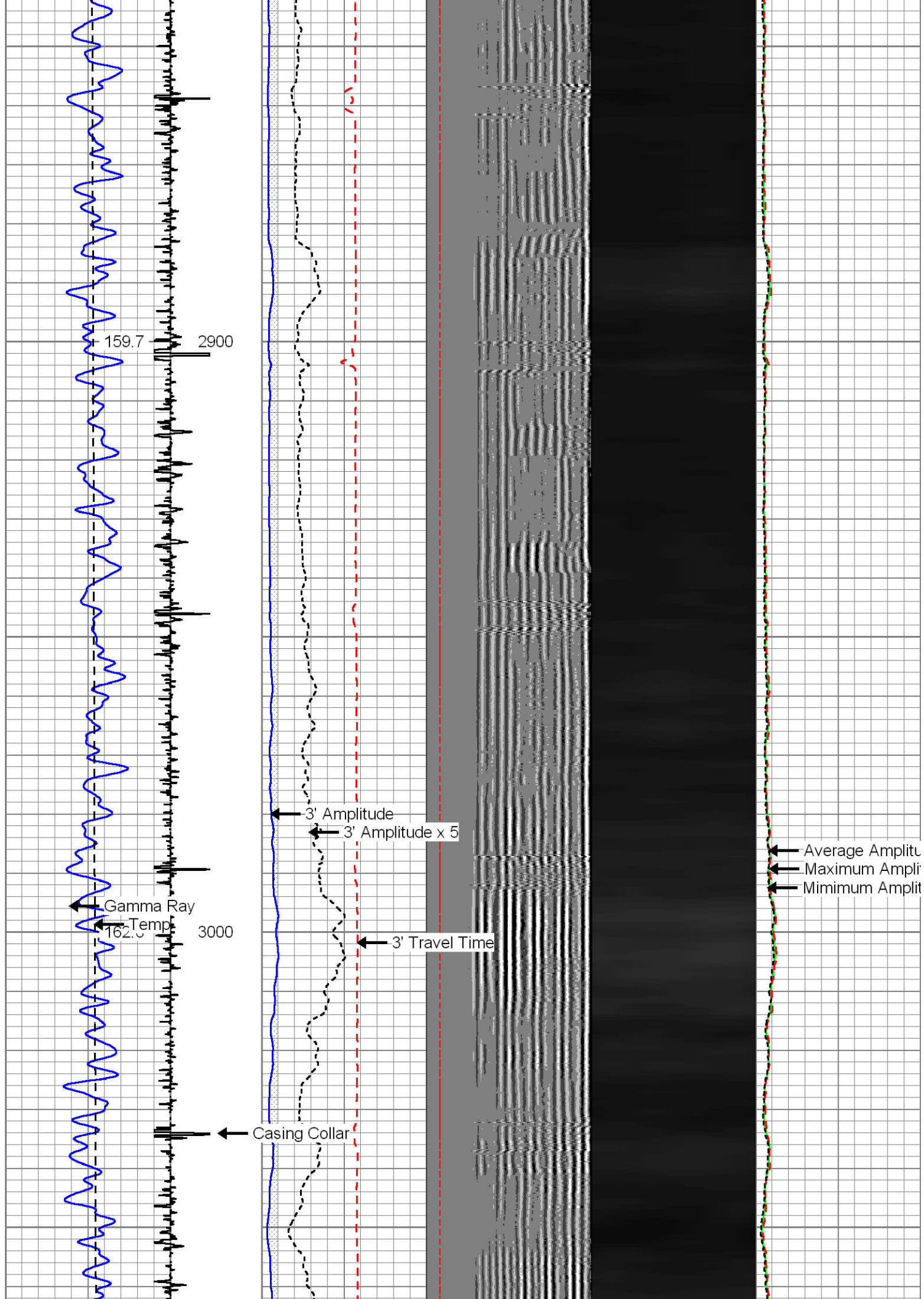


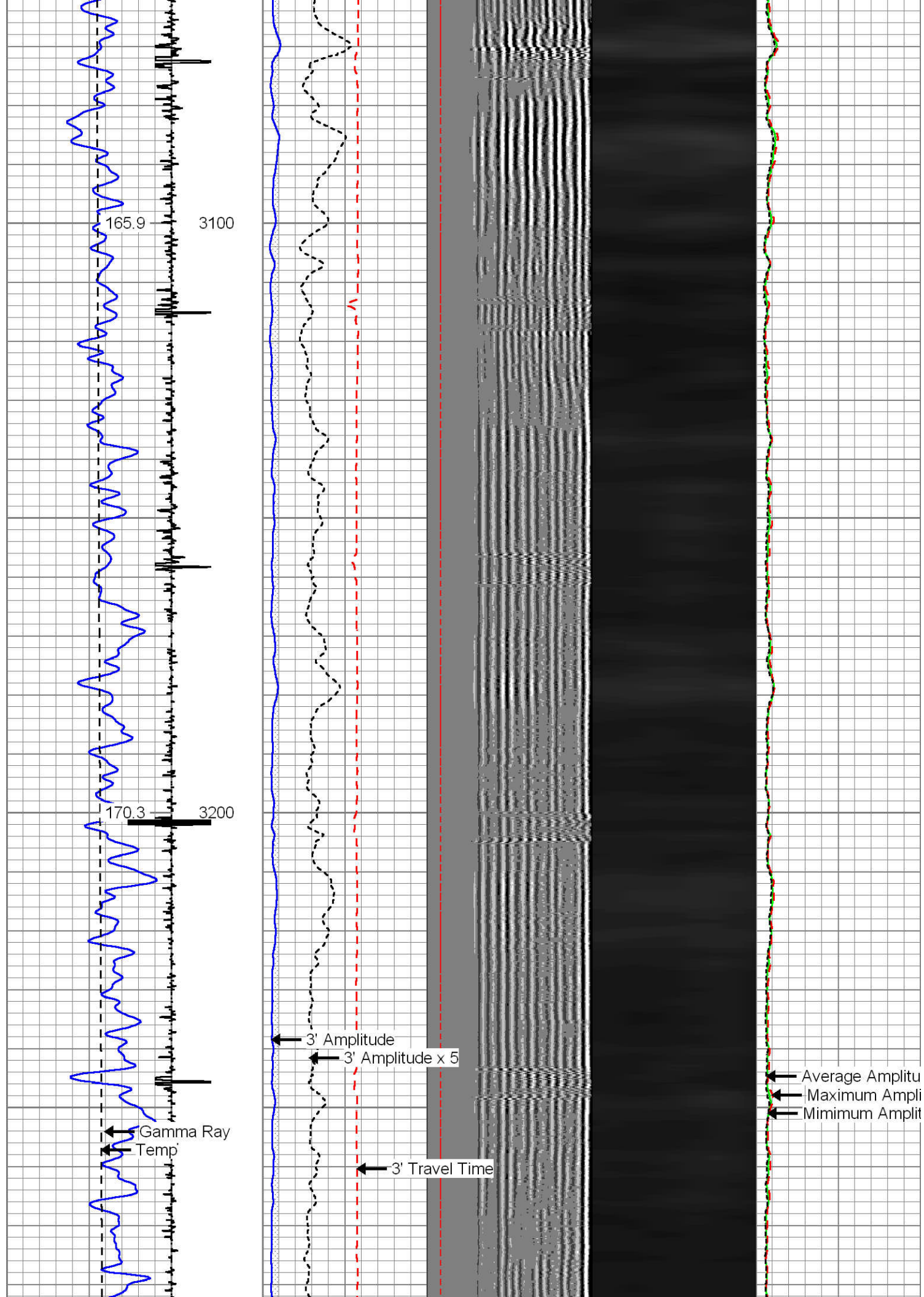




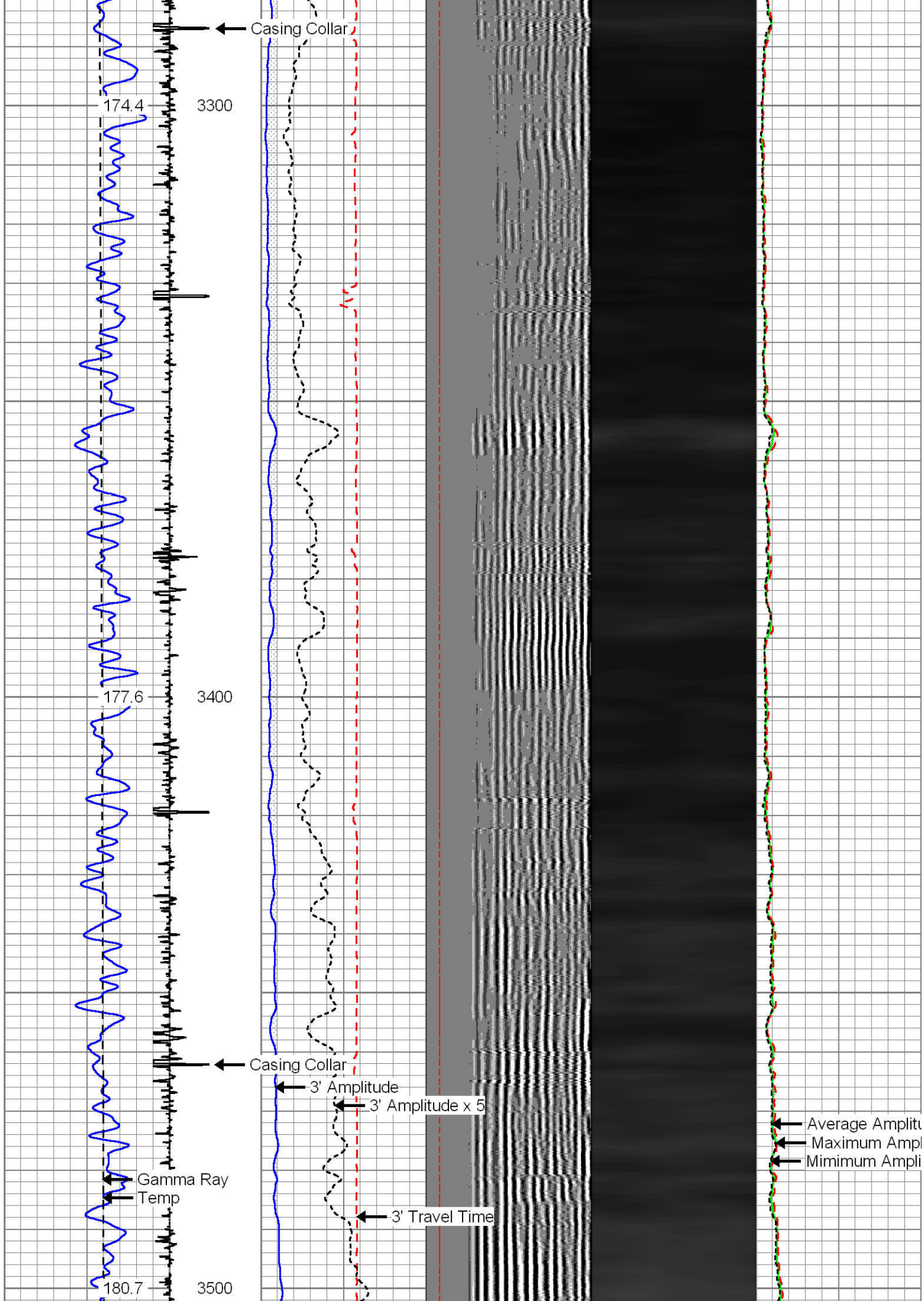


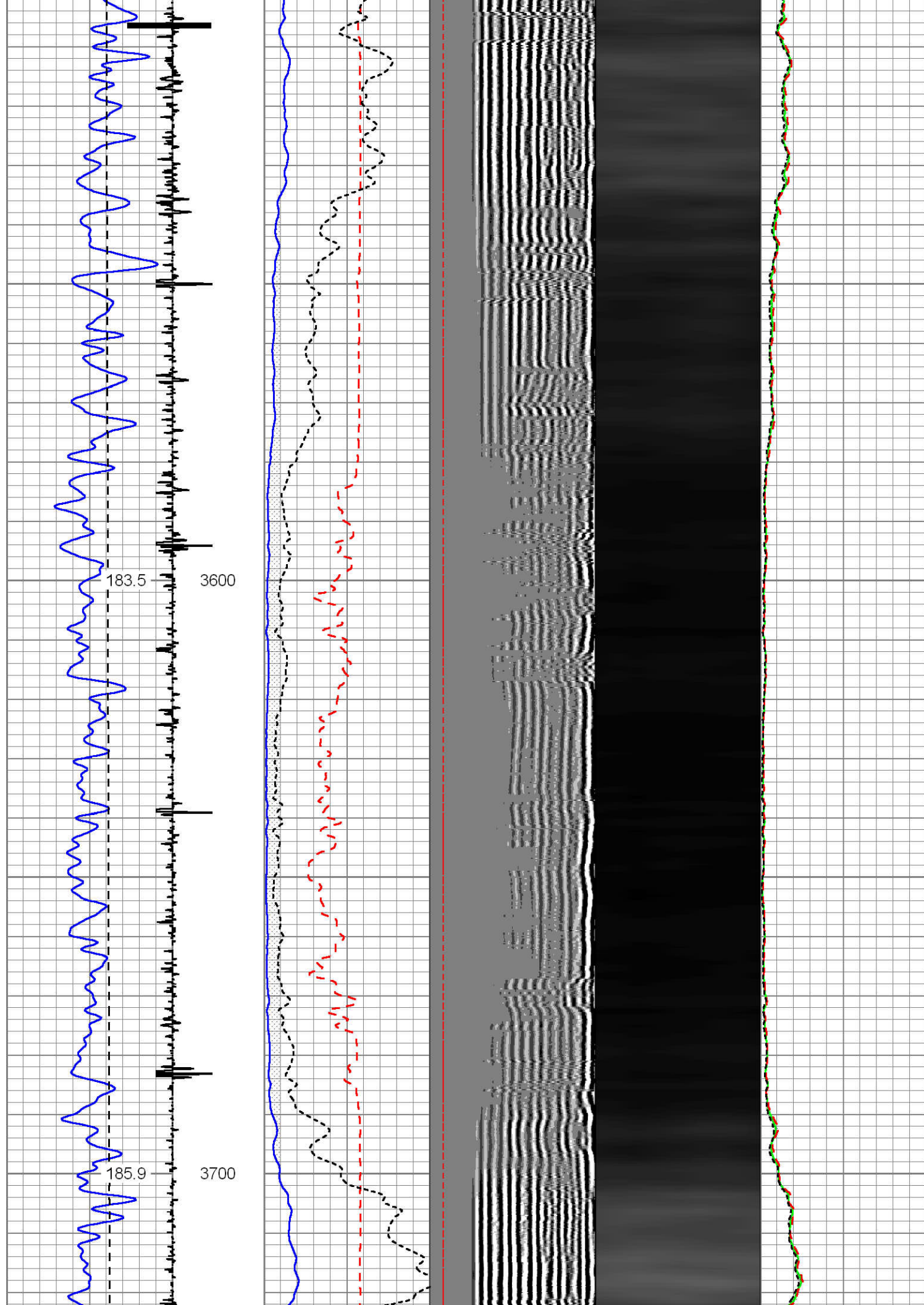




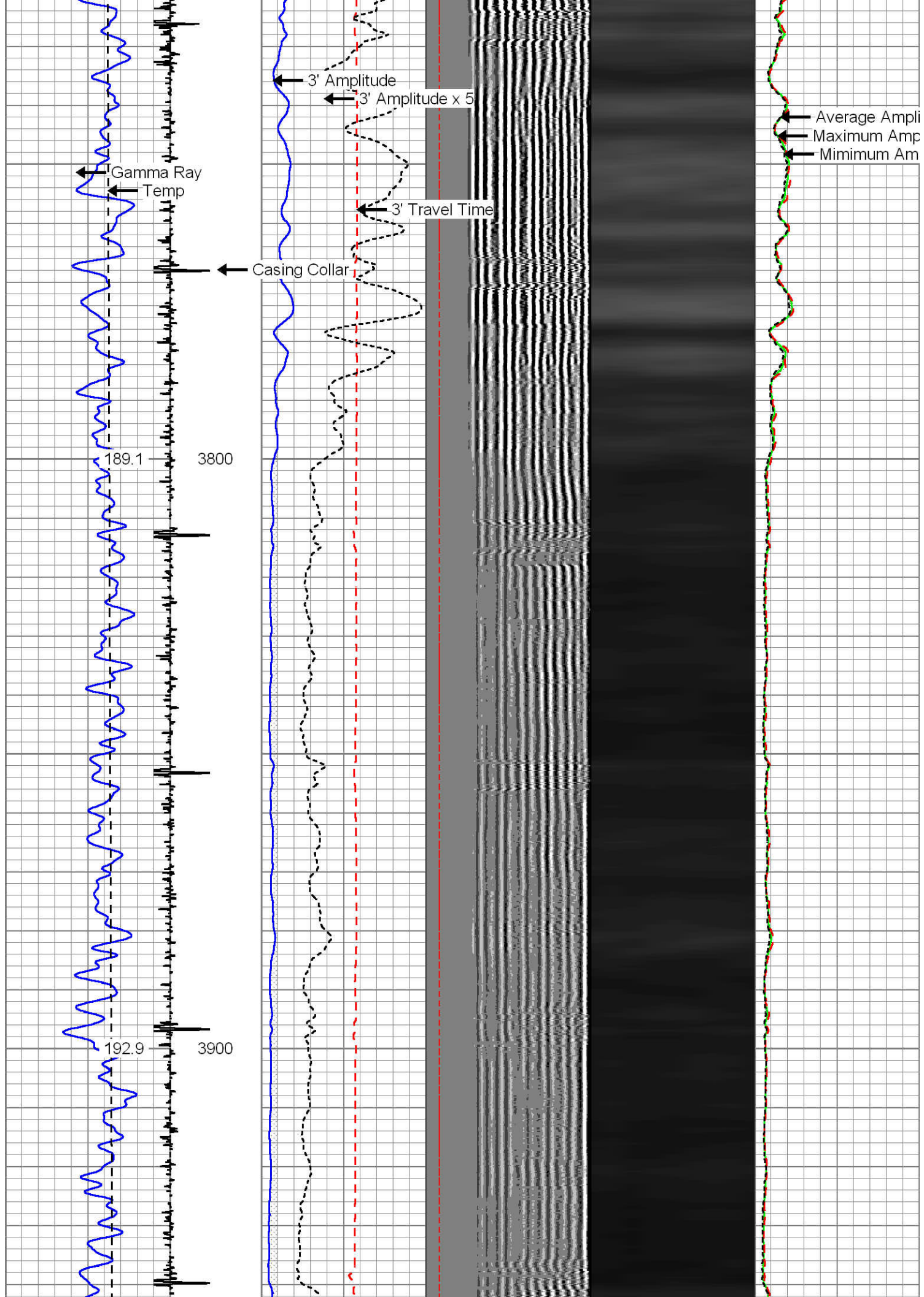


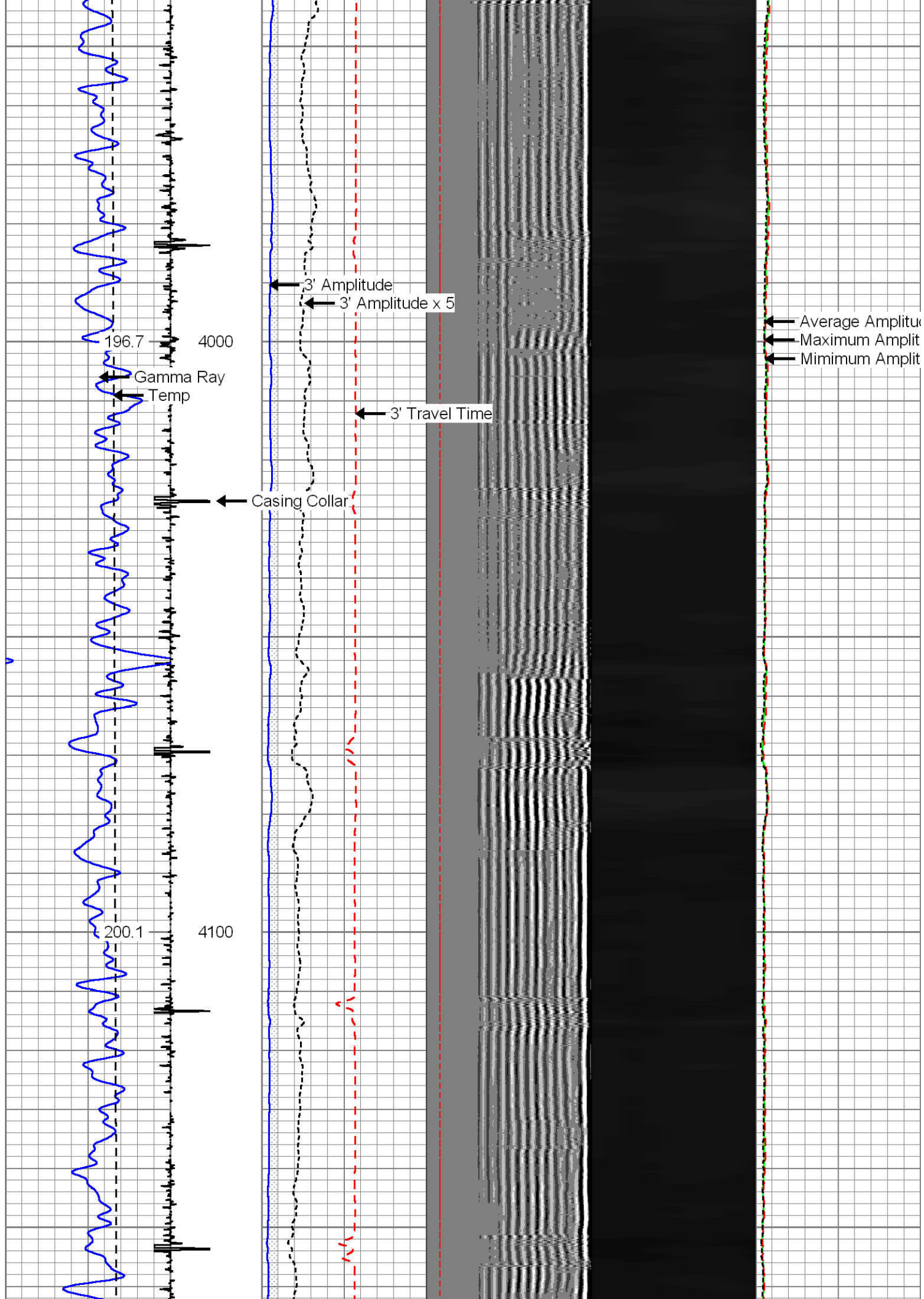




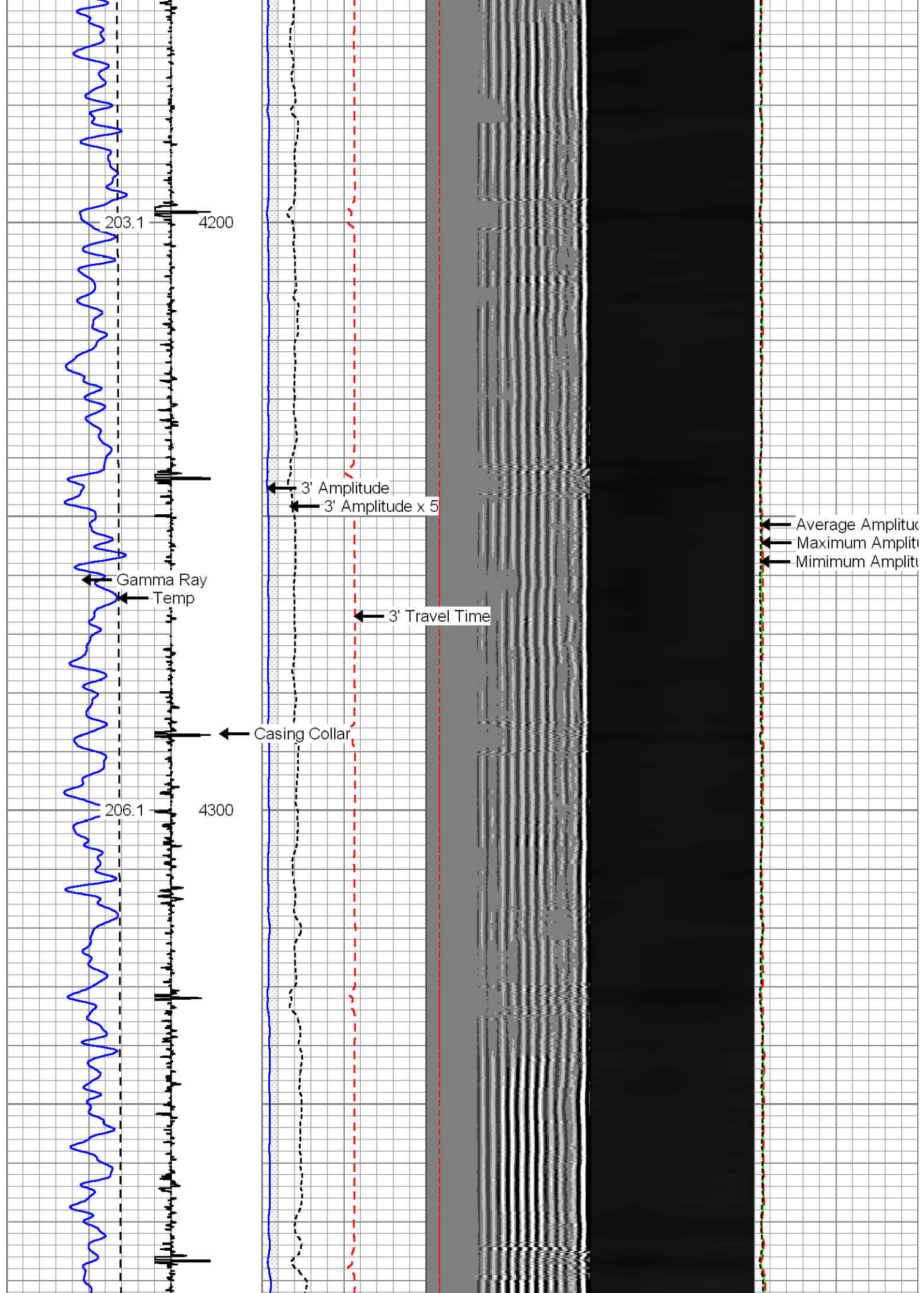


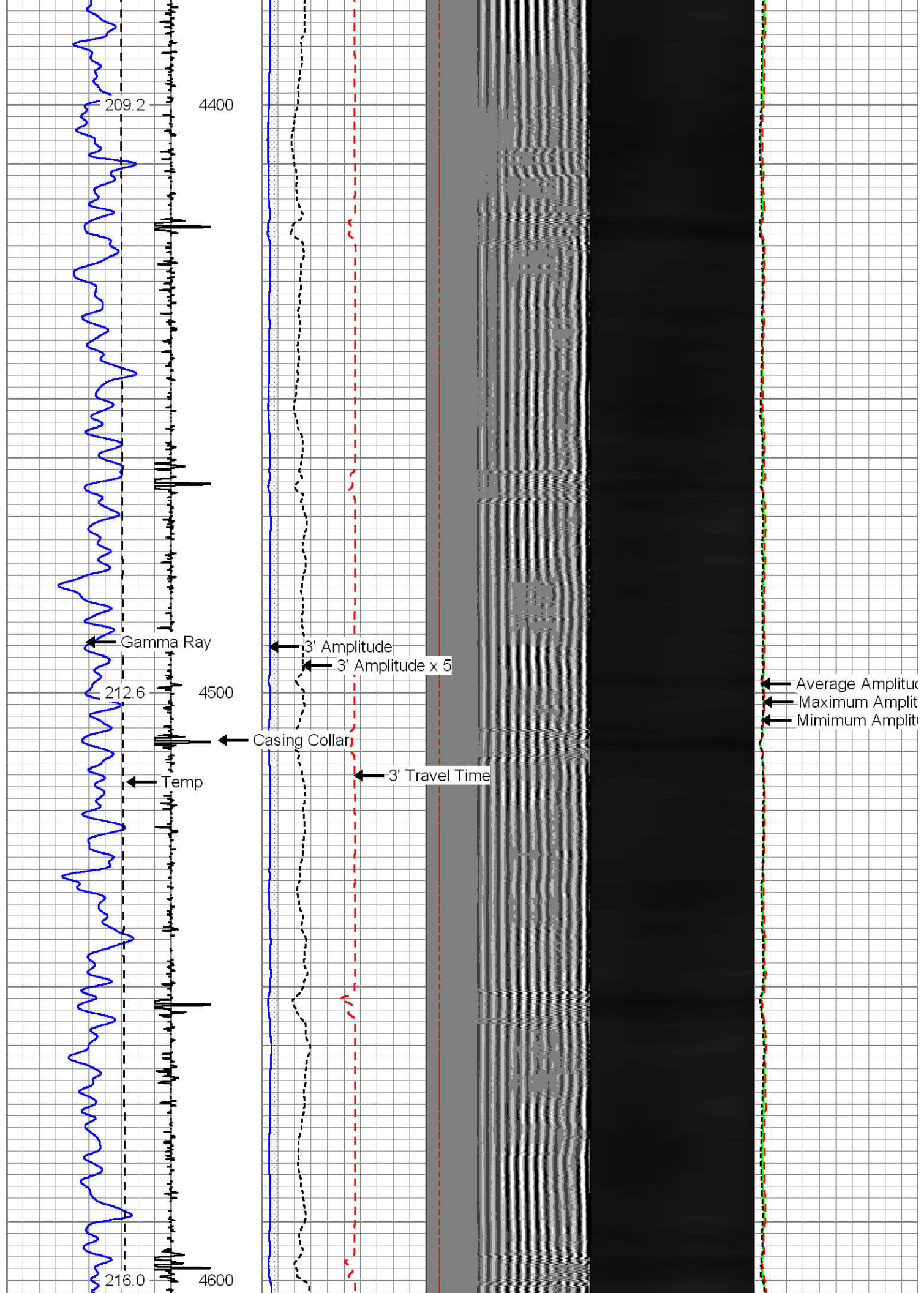




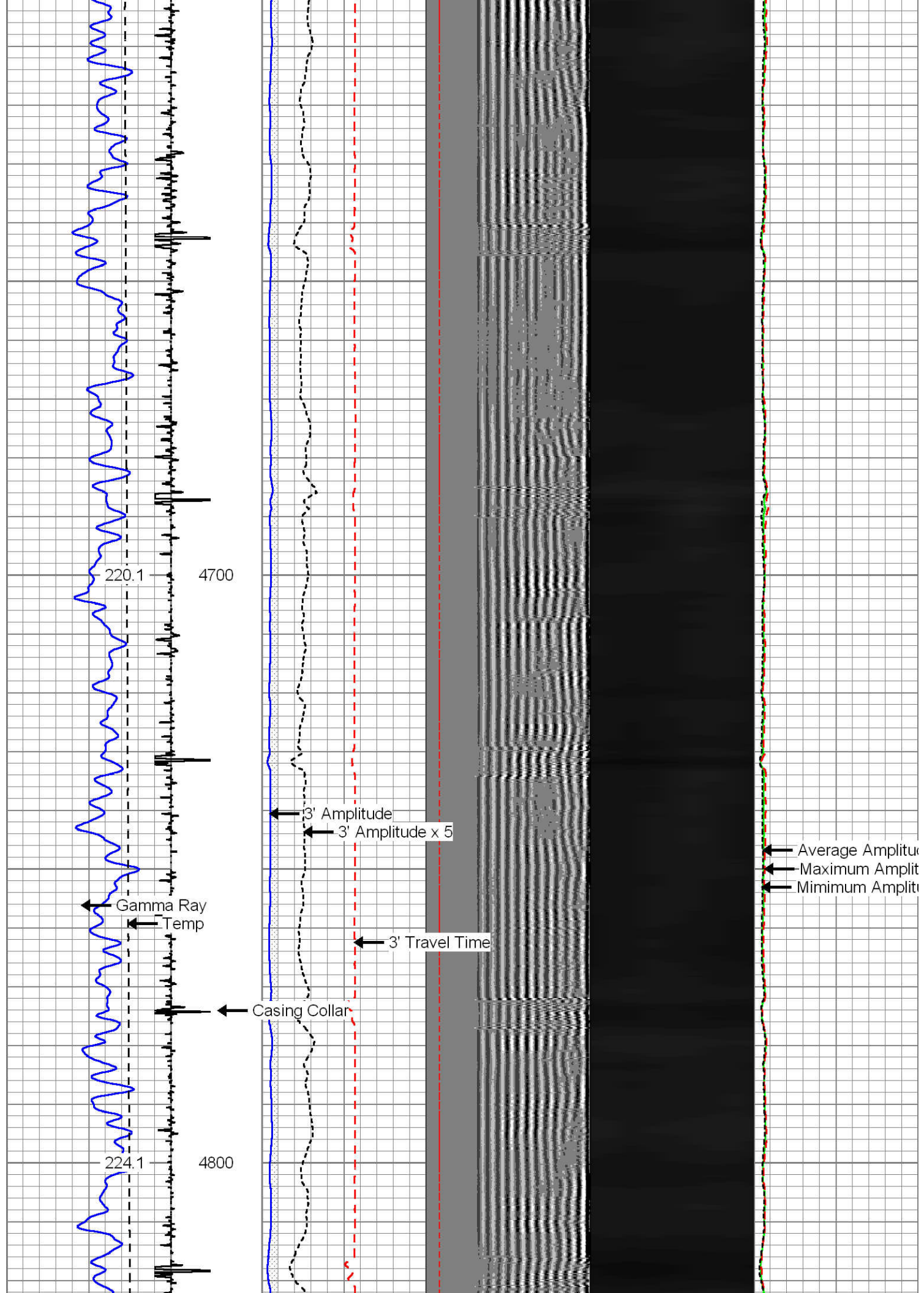


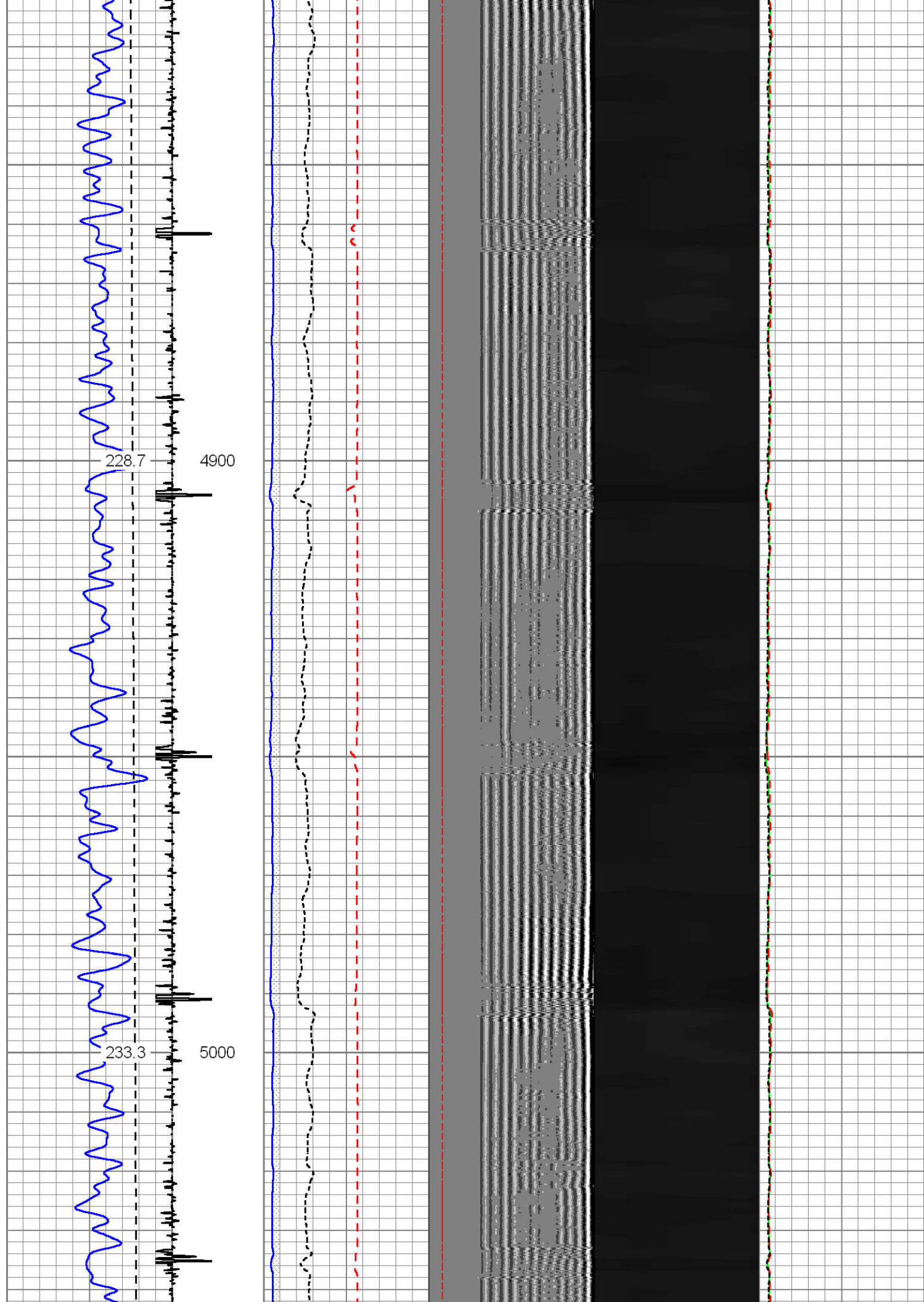




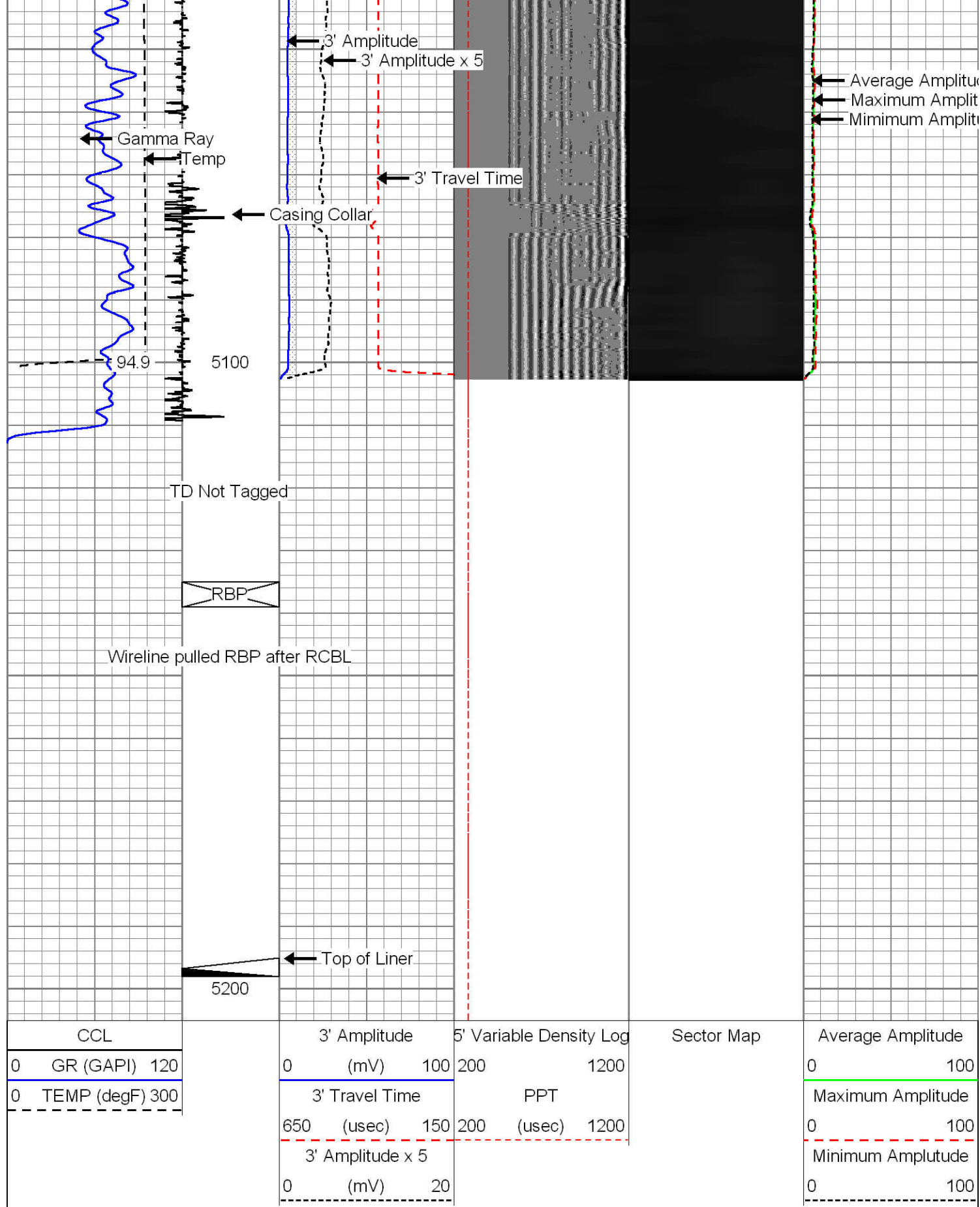






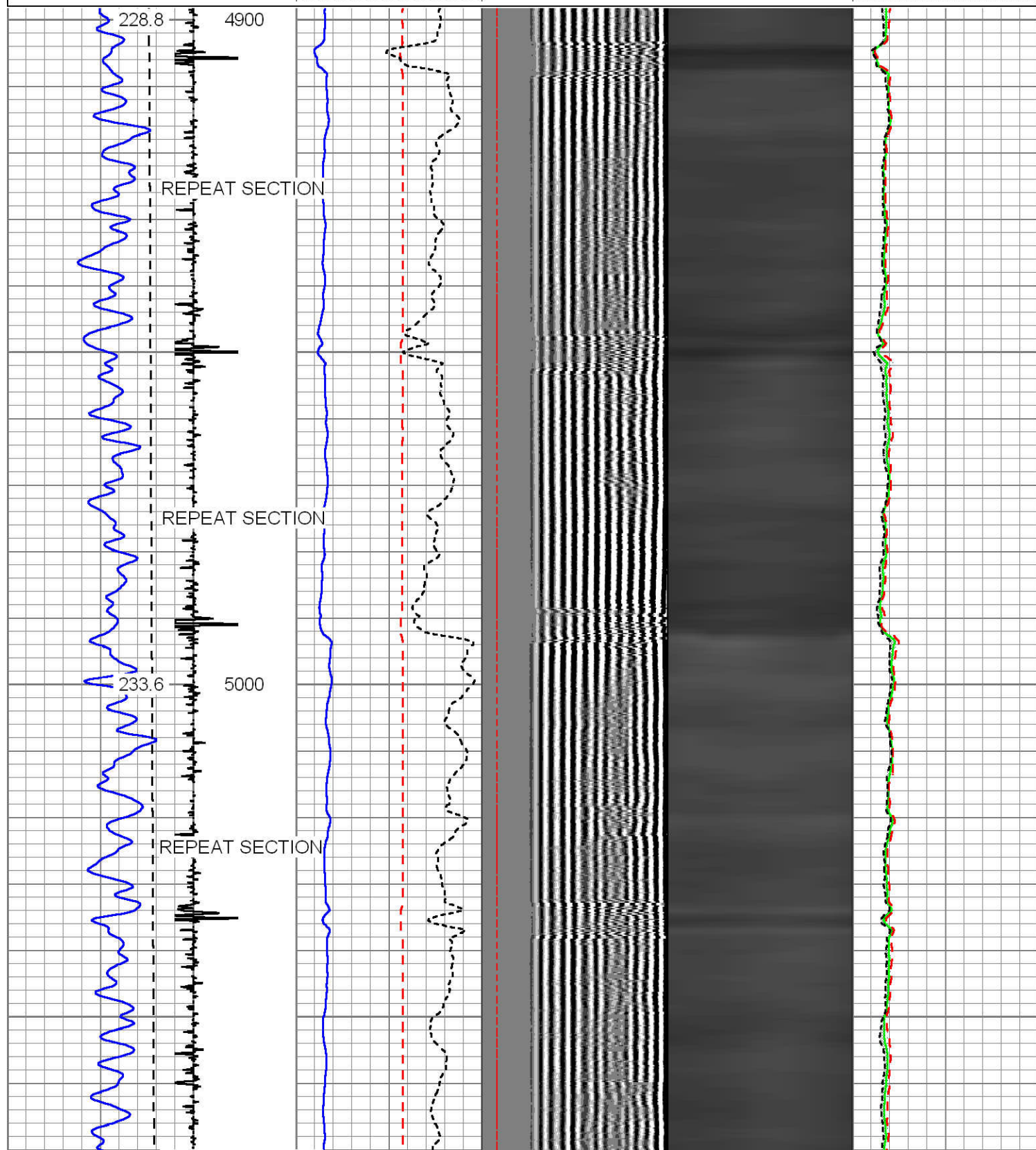




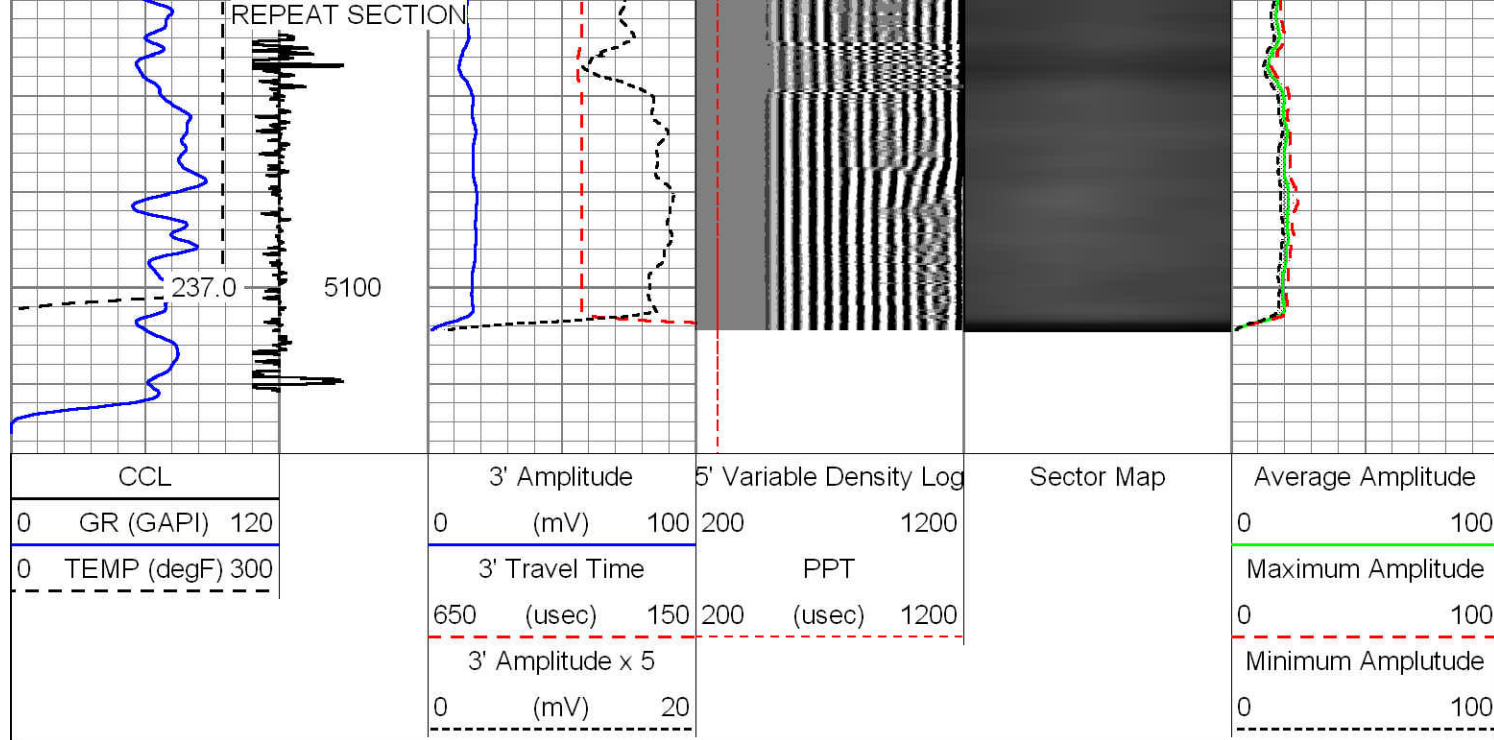


Database File: 05-123-36647\_whiting\_horsetail\_07-0611h.db  
Dataset Pathname: 6jun13/well/rcbl/pass13  
Presentation Format: rbt007  
Dataset Creation: Thu Jun 06 10:50:54 2013 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

CCL			3' Amplitude		5' Variable Density Log		Sector Map	Average Amplitude		
0	GR (GAPI)	120	0	(mV)	100	200		1200	0	100
0 TEMP (degF) 300			3' Travel Time		PPT			Maximum Amplitude		
-----			650	(usec)	150	200		(usec)	1200	0
			3' Amplitude x 5				Sector Map	Minimum Amplitude		
			0	(mV)	20			0	100	
			-----					-----		







Sensor	Offset (m)	Schematic	Description	Len (m)	OD (mm)	Wt (kg)
			Titan_1_11_16	0.32	42.86	2.27
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	0.88	69.85	4.54
RHeadVolt	5.96					
Temp	5.08					
WVF3FT	4.44		Probe_RADII-C-2-3/4" (FW1302-002in7")	2.81	69.85	45.36
WVFCAL	4.44		Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe			
WVFS1	4.44					
WVFS2	4.44					
WVFS3	4.44					
WVFS4	4.44					
WVFS5	4.44					
WVFS6	4.44					
WVFS7	4.44					
WVFS8	4.44					
WVF5FT	4.14					
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	0.88	69.85	4.54

CCL	2.01						
DCCL	2.01						
GR	1.60				Probe_CCL_GR-2.75"Digital (FW1211-021.40 Probe 2-3/4" Digital CCL / Gamma Ray Combined	69.85	24.95
					Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	0.88	69.85
Dataset: 05-123-36647_whiting_horsetail_07-0611h.db: 6jun13/well/rcbl/pass15 Total Length: 7.15 m Total Weight: 86.18 kg O.D. 69.85 mm							

Calibration Report	
Database File:	05-123-36647_whiting_horsetail_07-0611h.db
Dataset Pathname:	6jun13/well/rcbl/pass15
Dataset Creation:	Thu Jun 06 10:55:34 2013 by Log SCH 111116

Gamma Ray Calibration Report		
Serial Number:	FW1211-026	
Tool Model:	2.75"Digital	
Performed:	Mon Mar 25 19:39:06 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.5	cps
Sensitivity:	0.6667	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002in7"	
Tool Model:	2-3/4"	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	943.291	ft

Master Calibration, performed Thu Jun 06 10:18:42 2013:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.022	2.494	0.000	62.165	24.703	0.546
CAL	-0.009	0.836				
5'	0.005	1.806	0.000	62.165	34.507	-0.158
SUM						
S1	-0.024	2.496	0.000	72.200	28.645	0.692
S2	-0.019	2.499	0.000	72.200	28.676	0.545
S3	-0.011	2.499	0.000	72.200	28.773	0.303
S4	-0.015	2.499	0.000	72.200	28.717	0.444



S4	-0.019	2.489	0.000	72.200	28.717	0.444
S5	-0.020	2.497	0.000	72.200	28.684	0.571
S6	-0.021	2.442	0.000	72.200	29.307	0.621
S7	-0.022	2.434	0.000	72.200	29.390	0.657
S8	-0.023	2.457	0.000	72.200	29.120	0.659

Internal Reference Calibration, performed Thu Jun 06 10:19:53 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	-0.009	0.854	-0.009	0.836	0.979	-0.000

Air Zero Calibration, performed Thu Jun 06 10:19:08 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	-0.023		0.000		0.001	
5'	0.007		0.000		-0.002	
SUM						
S1	-0.026		0.000		0.002	
S2	-0.020		0.000		0.001	
S3	-0.010		0.000		-0.000	
S4	-0.016		0.000		0.000	
S5	-0.021		0.000		0.001	
S6	-0.023		0.000		0.002	
S7	-0.024		0.000		0.002	
S8	-0.024		0.000		0.001	



**Company** Whiting Oil & Gas  
**Well** Horsetail 07-0611H  
**Field** Wildcat  
**County** Weld  
**State** Colorado