

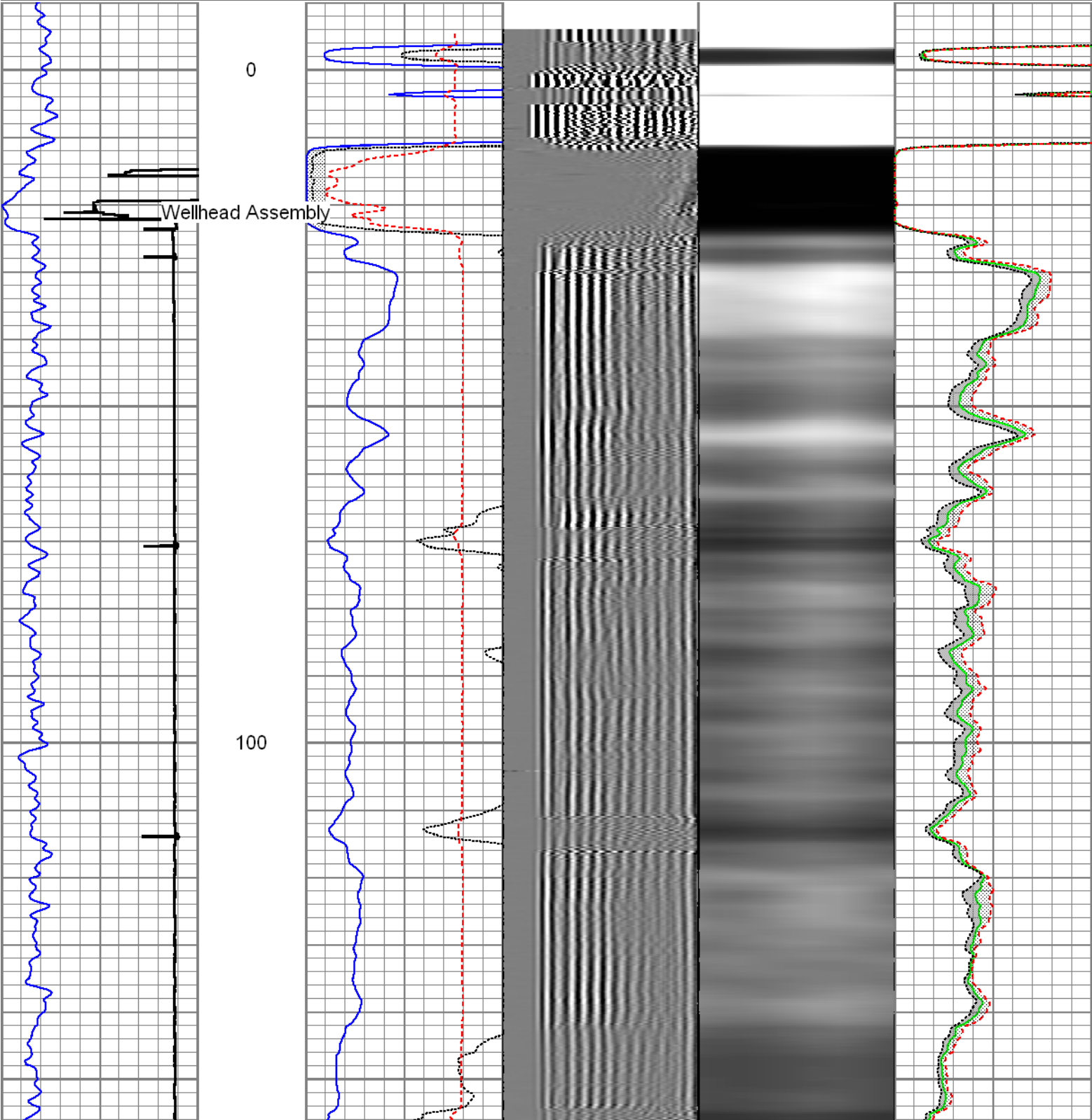


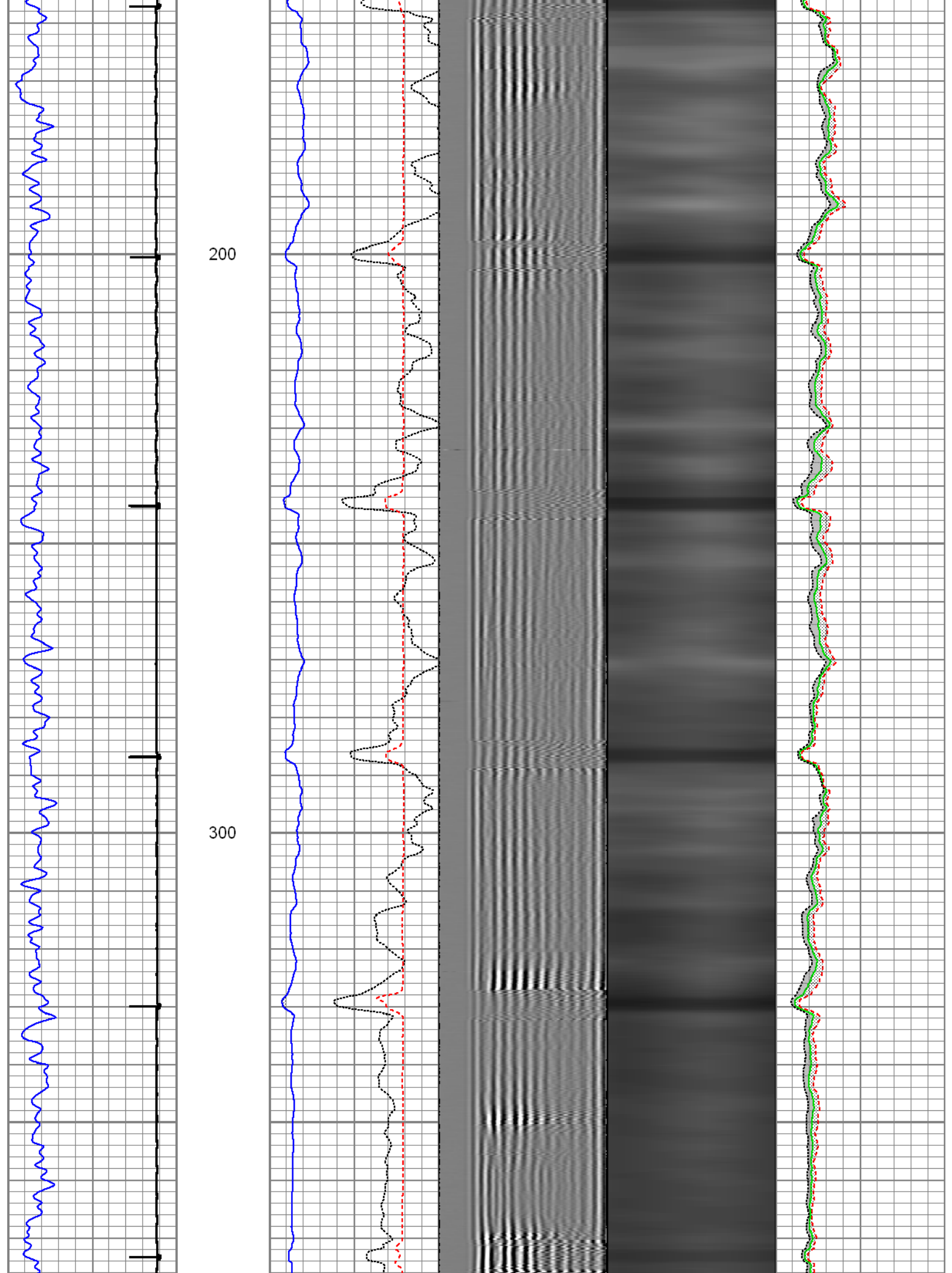
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 set out in our current Price Schedule.
Comments
Log ran as per Customer request Depth reference to Casing Tally reported Liner Top at 6996 FT. Adjusted -1 FT from KB zero to correlate with Liner Top Gauge Ring / Junk Basket run as deep as possible prior to log run. Log ran from 7816 FT to surface. Log ran with 2800 PSI surface induced pressure. Thank you for choosing FMC Technologies Completion Services, Inc.!!

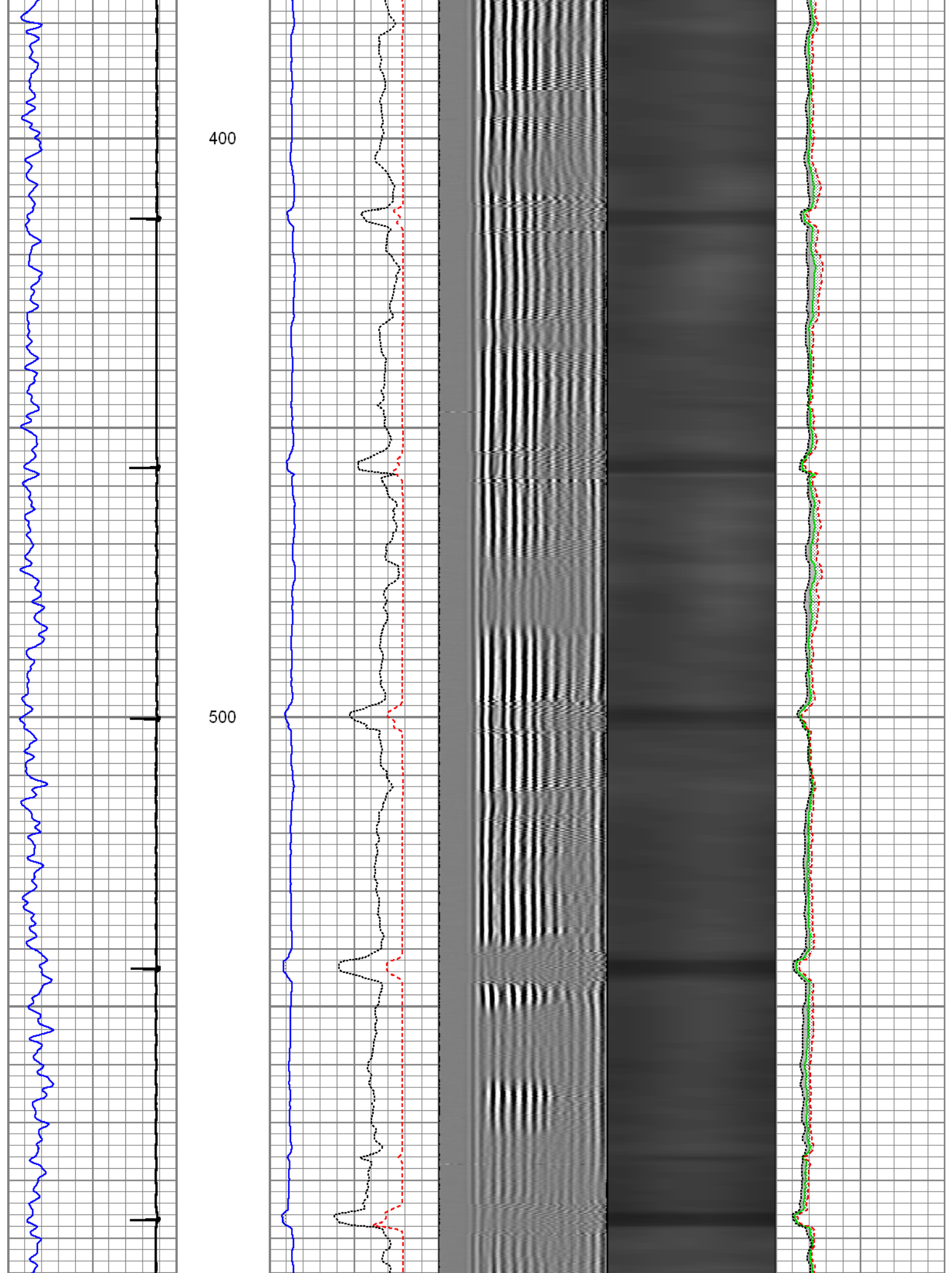


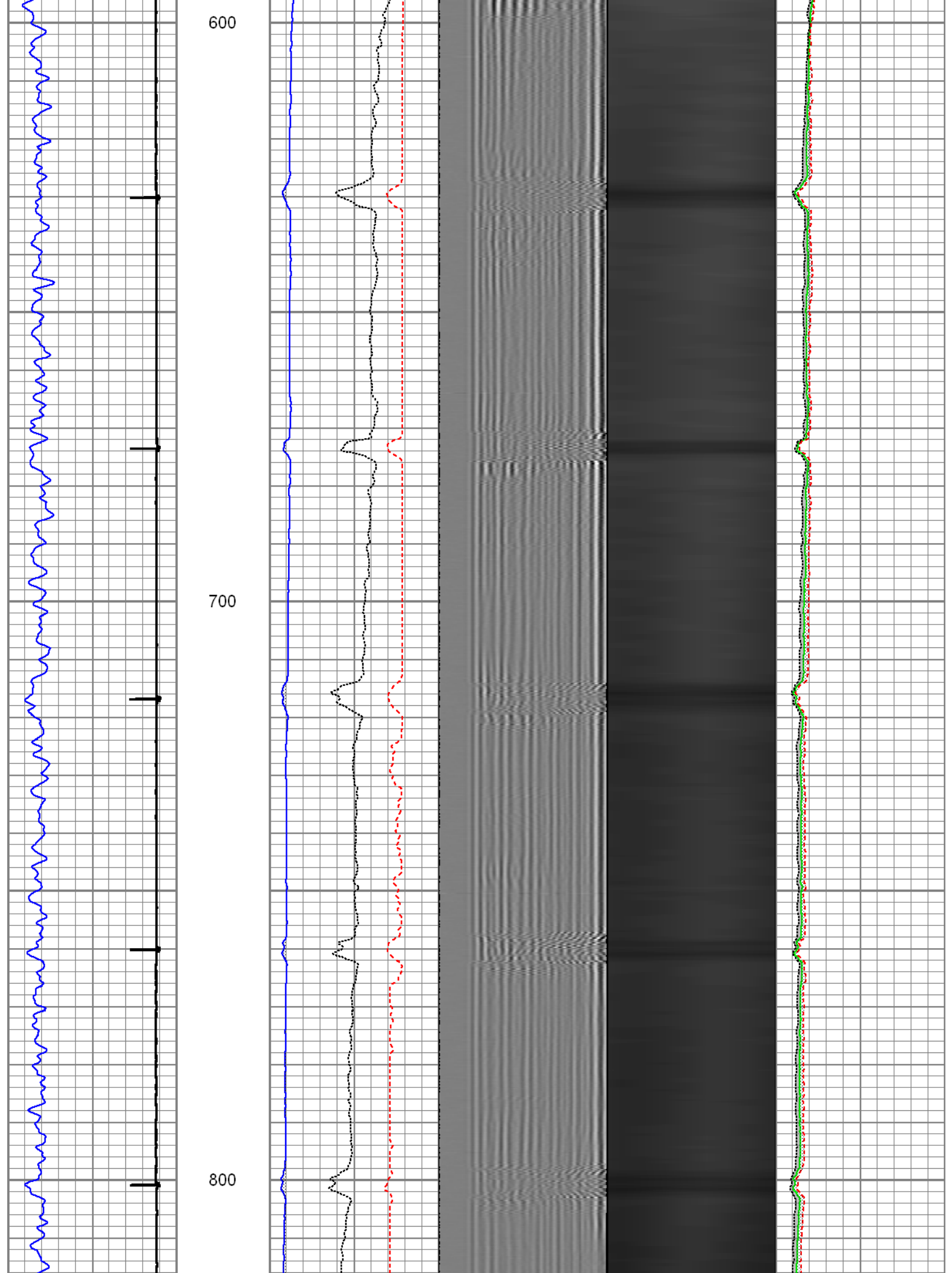
Database File: 0512338562_anadarko_deepe 34c-27hz_07-01-14_mit_rbl.db
Dataset Pathname: pass13
Presentation Format: rbt004
Dataset Creation: Tue Jul 01 11:15:46 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

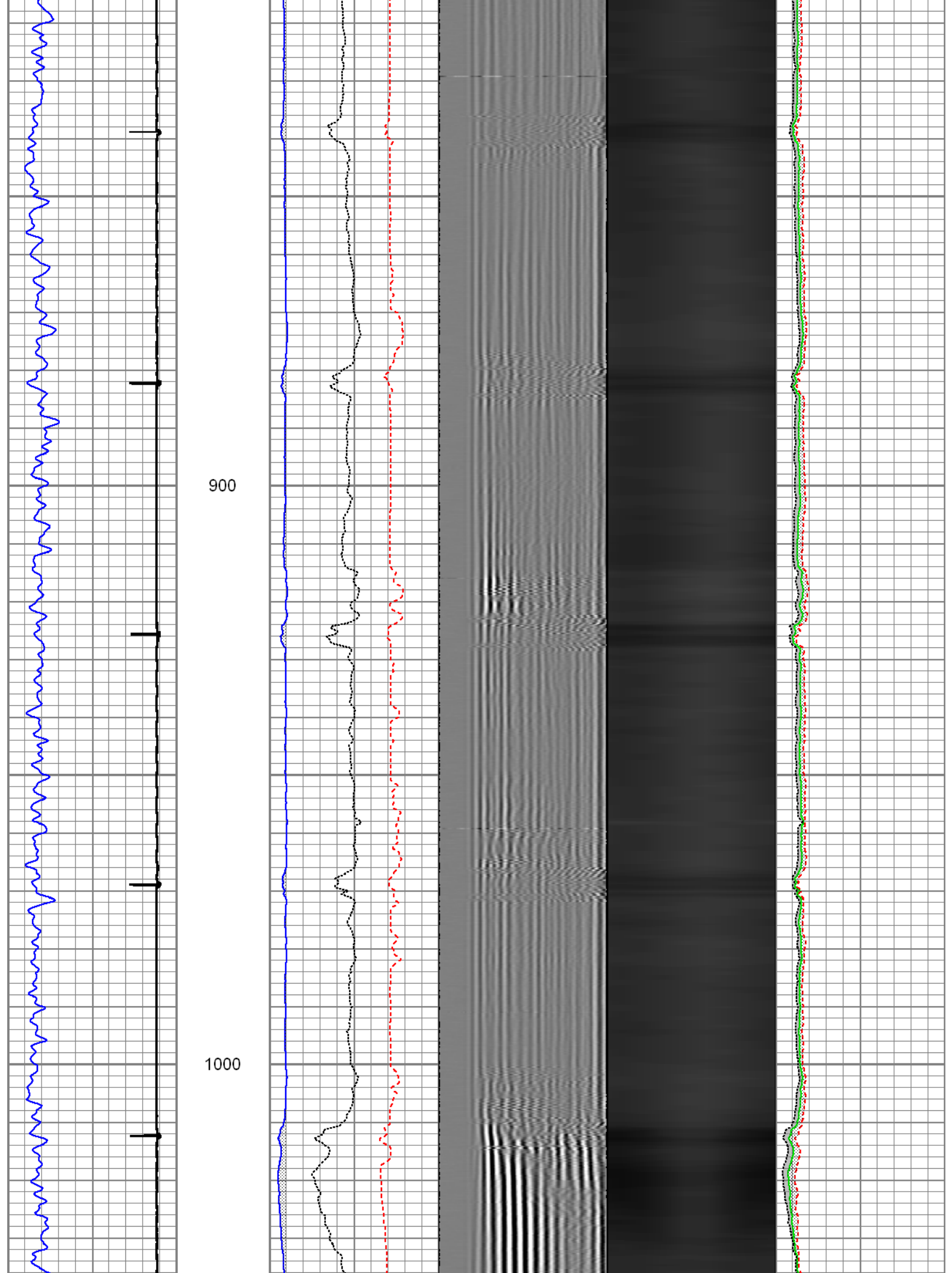
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
	0 (mV) 20			0 100
	3' Travel Time			Maximum Amplitude
	650 (usec) 150			0 100

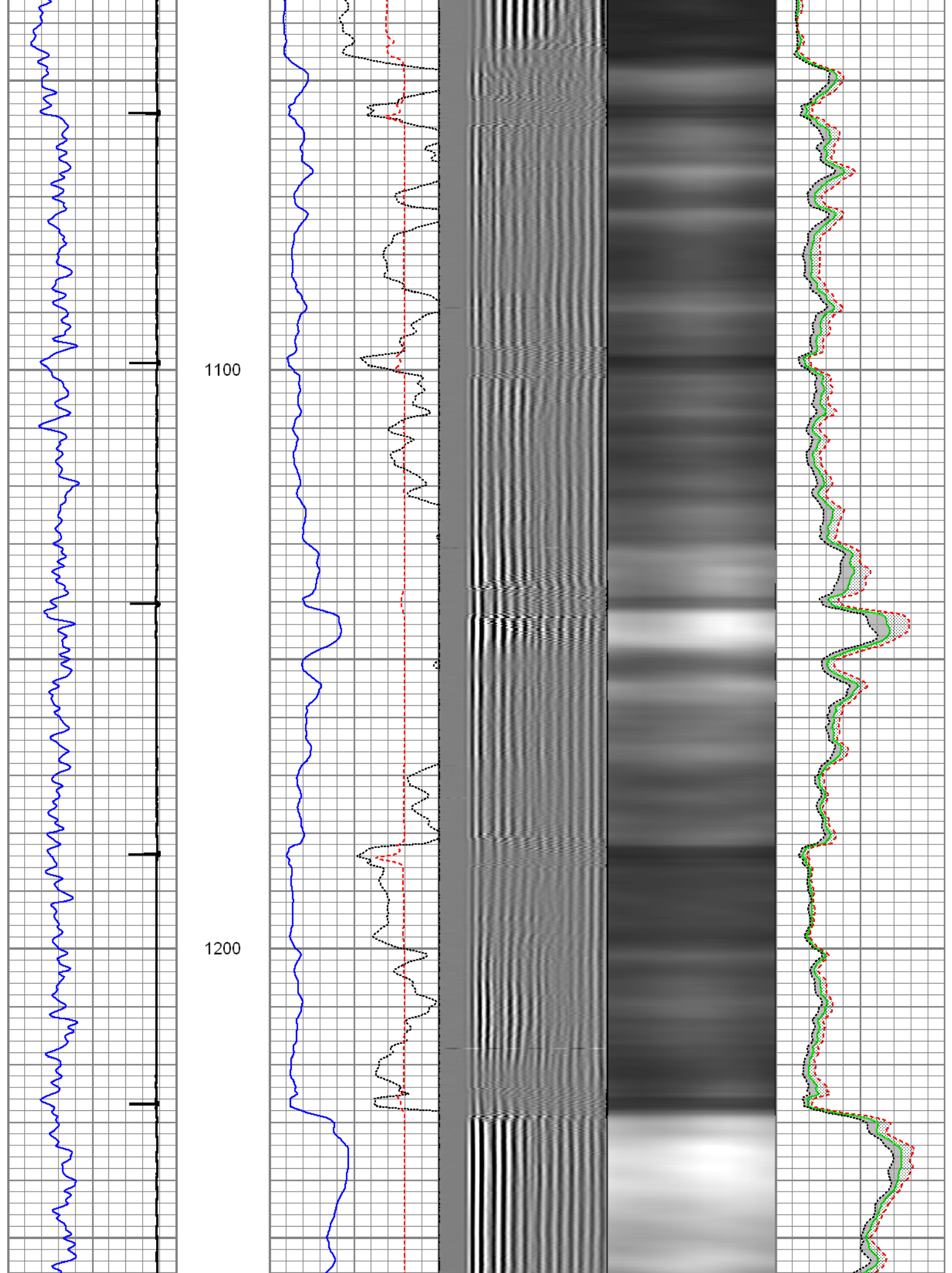


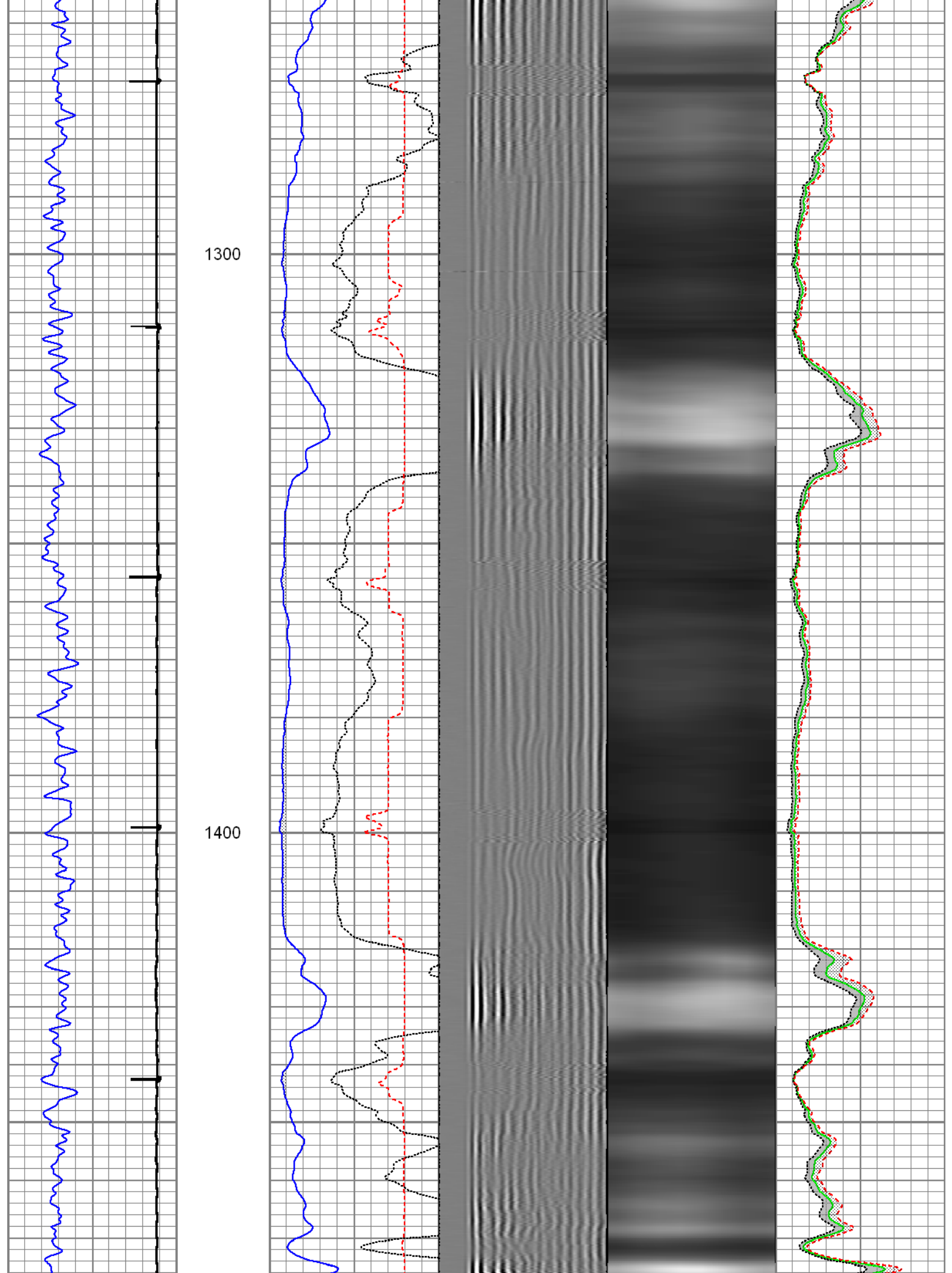


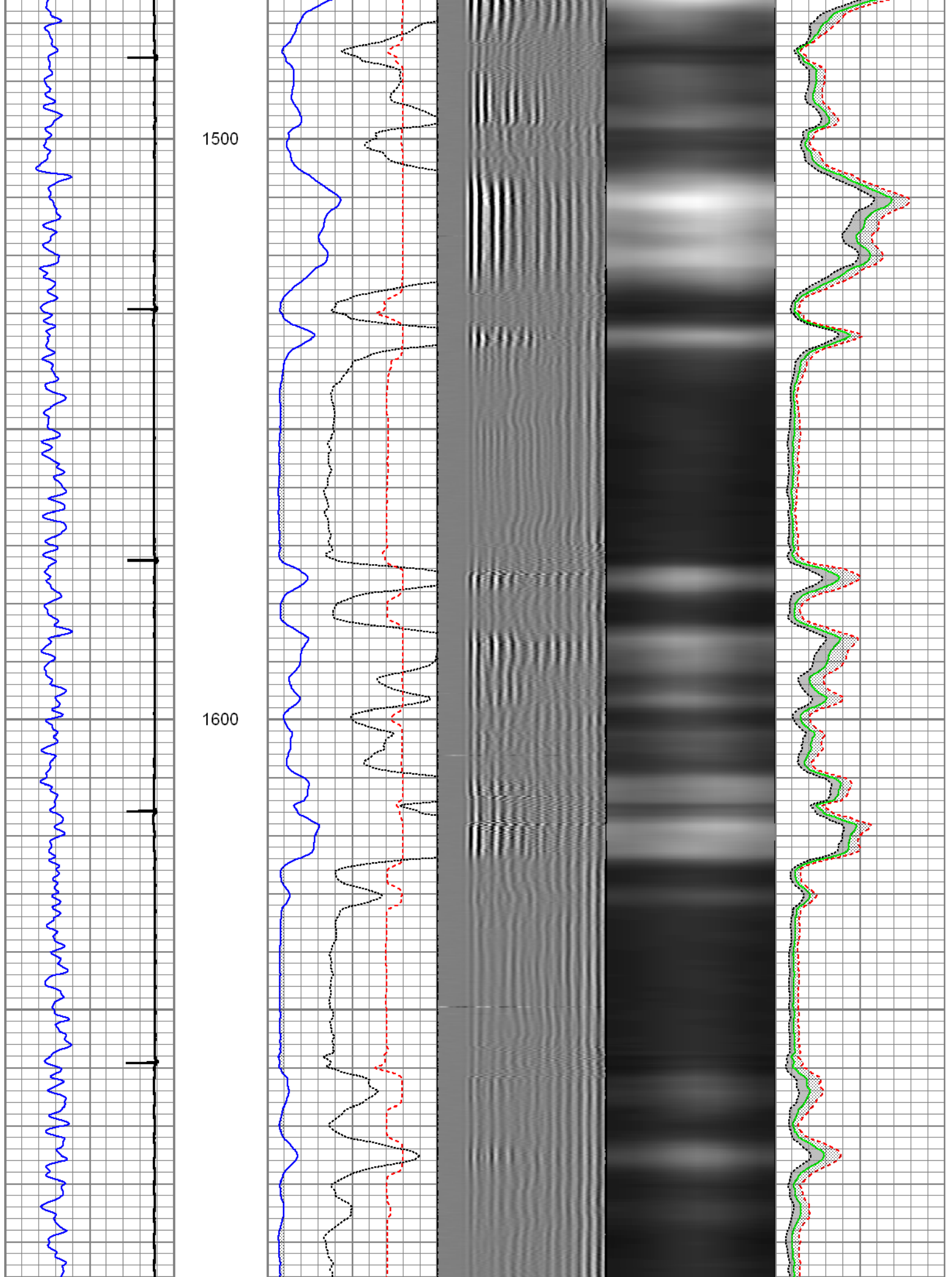








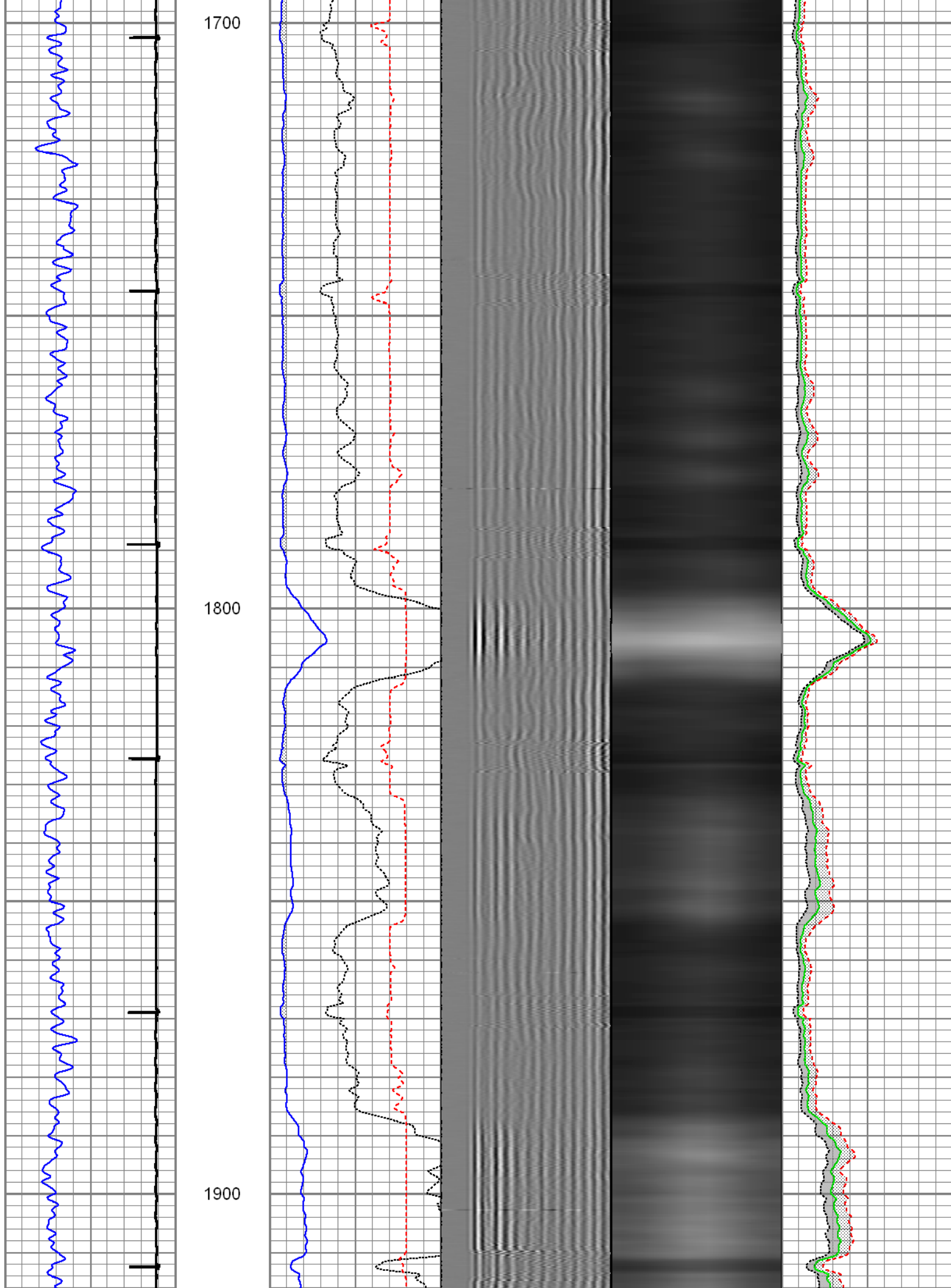




1700

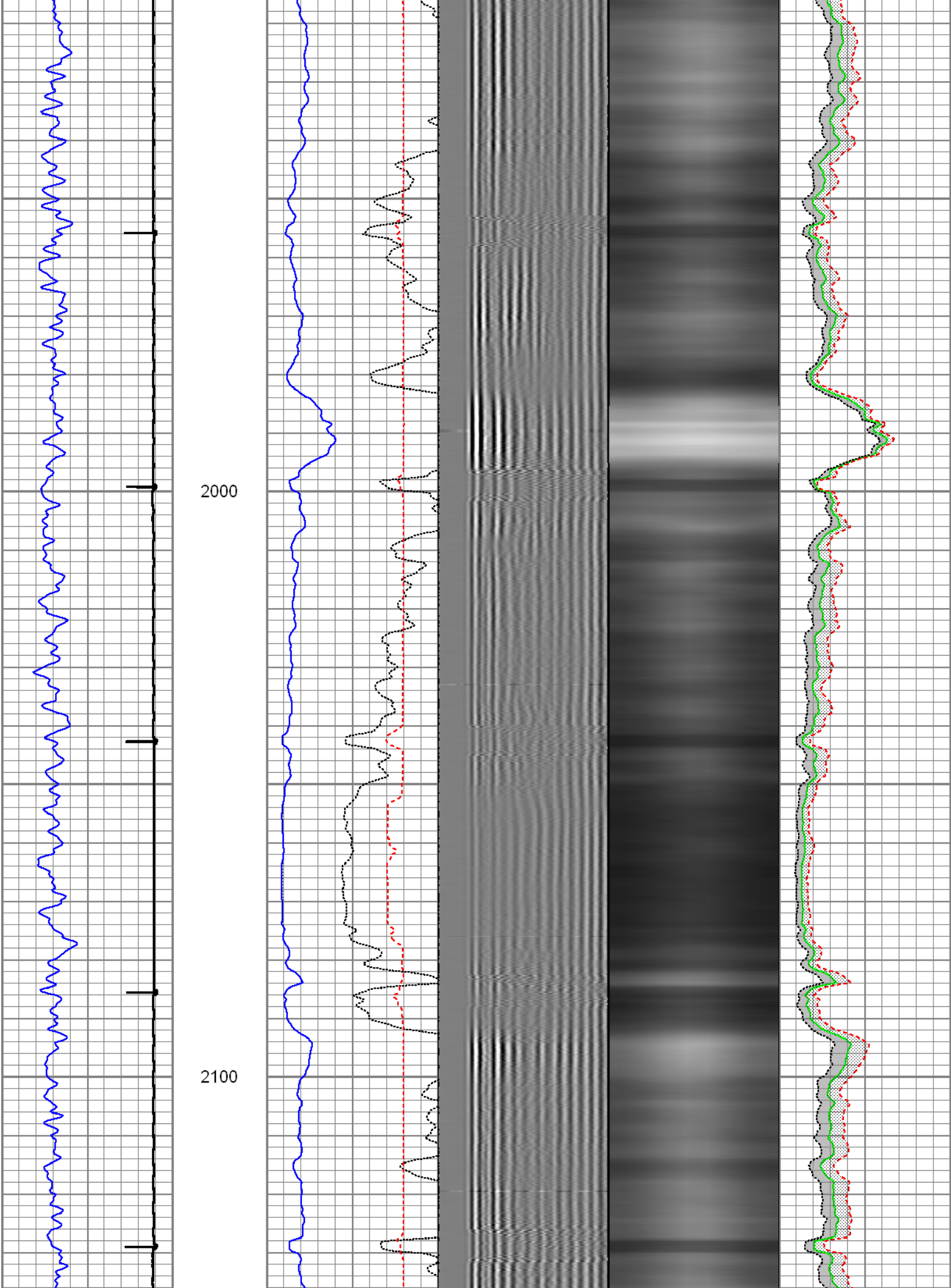
1800

1900



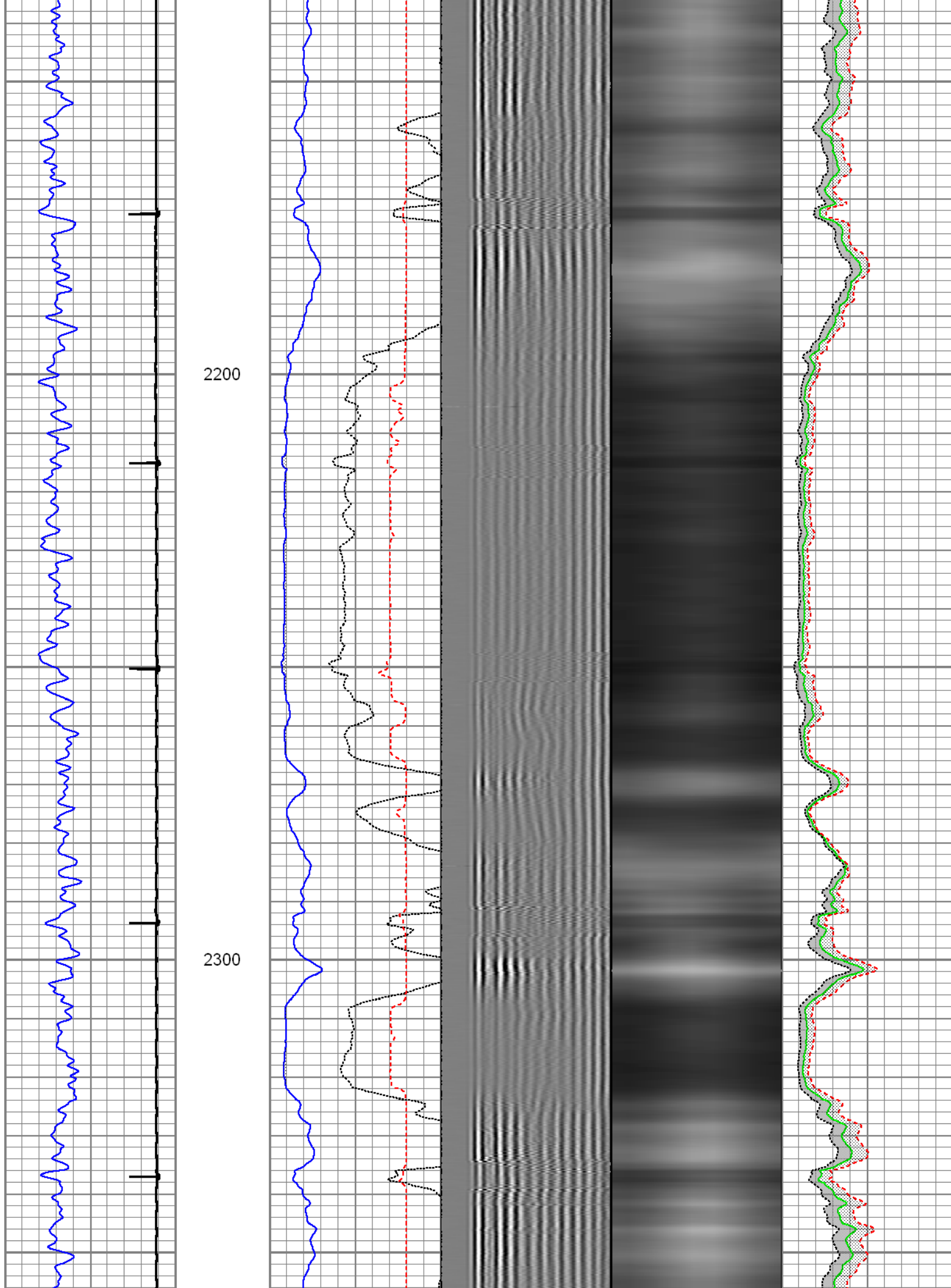
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2100



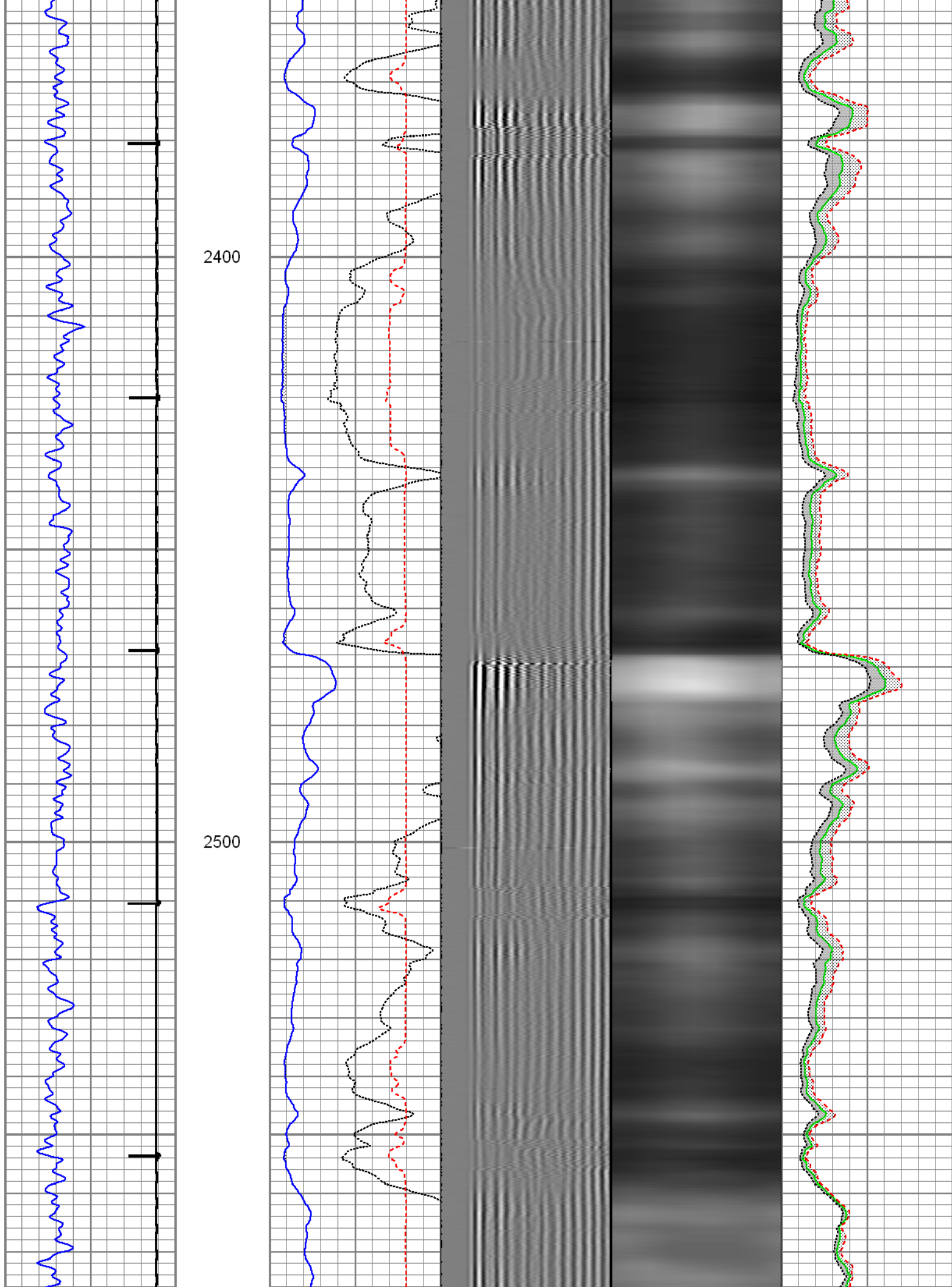
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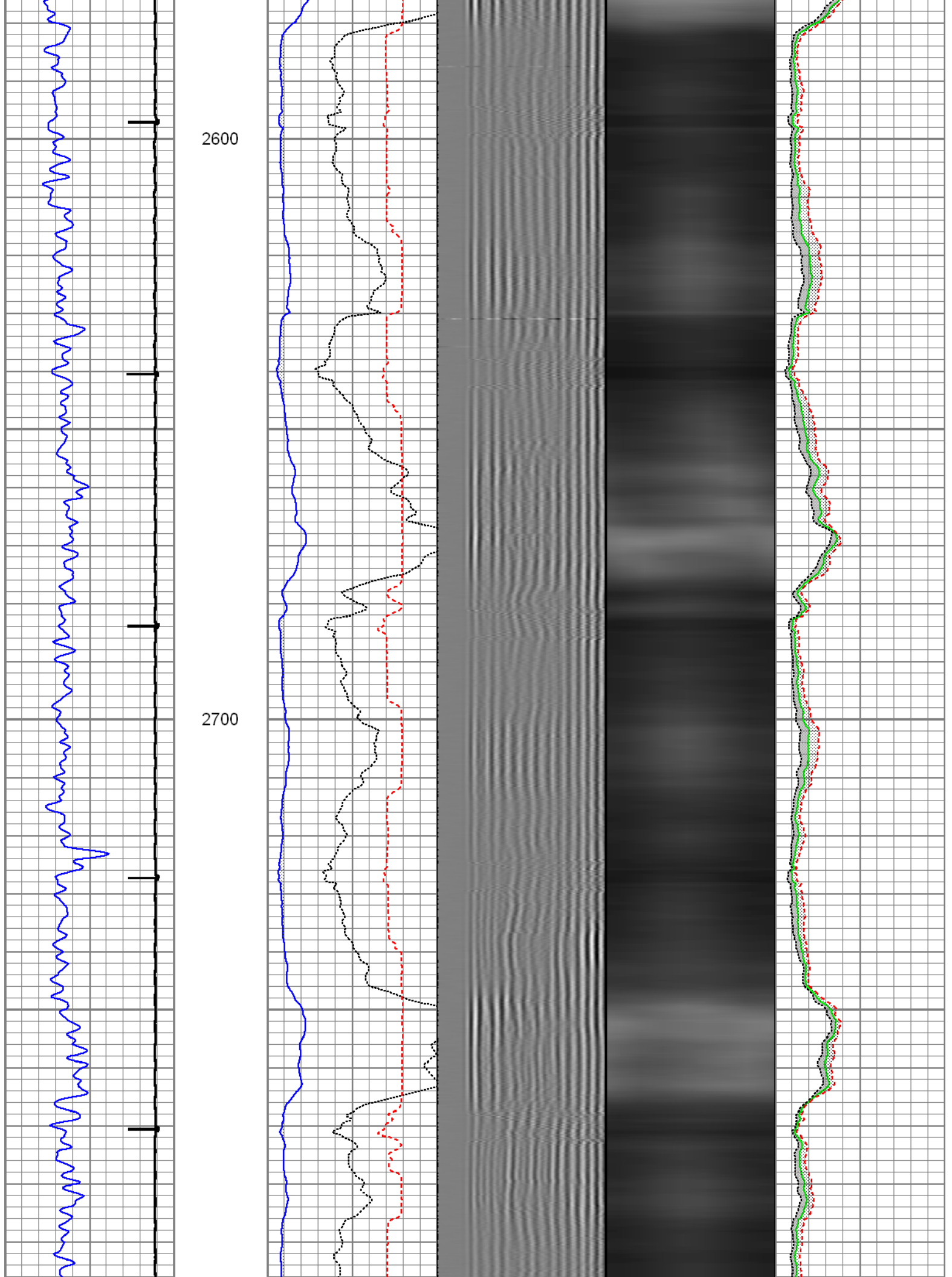
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2400

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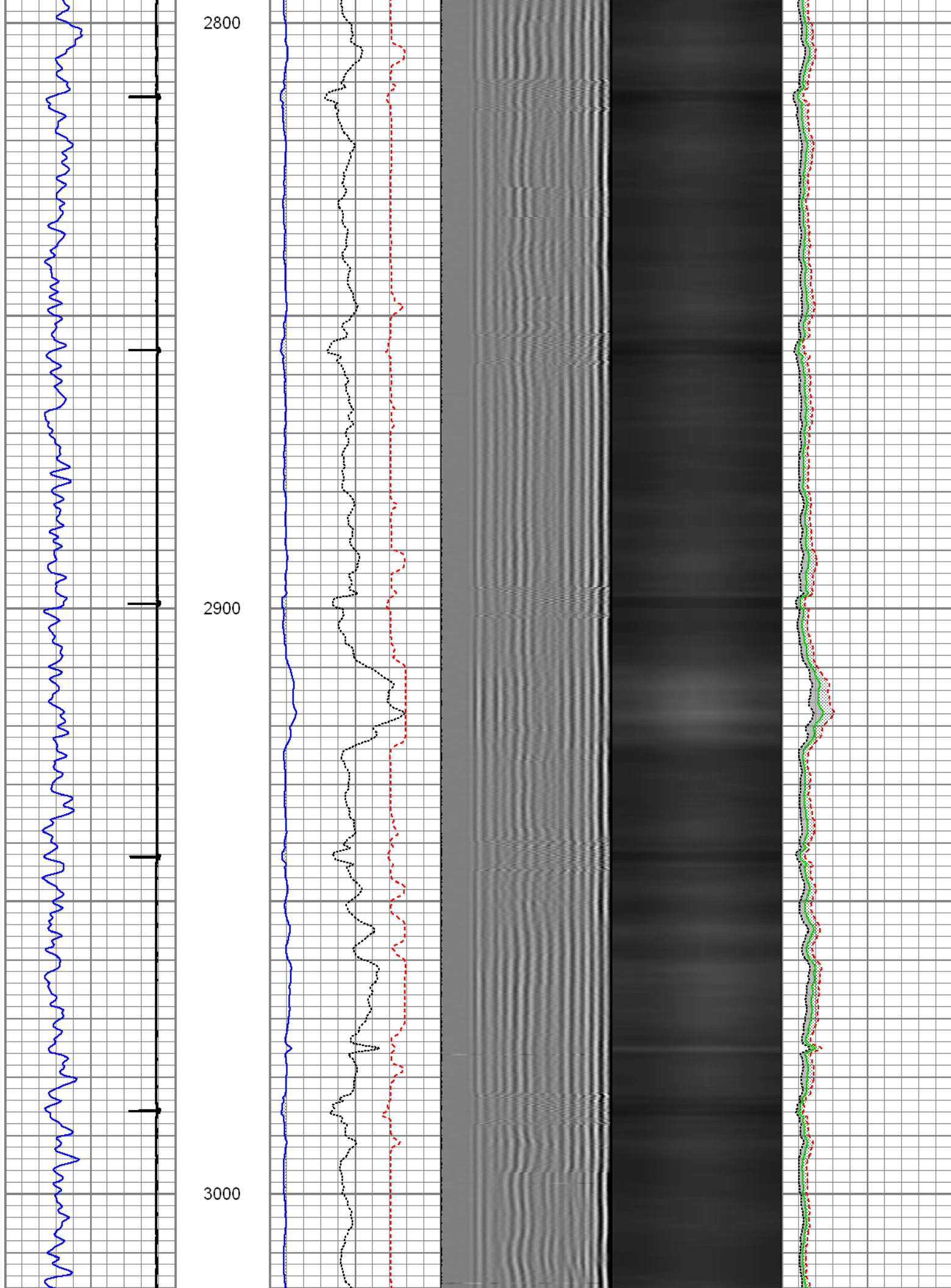




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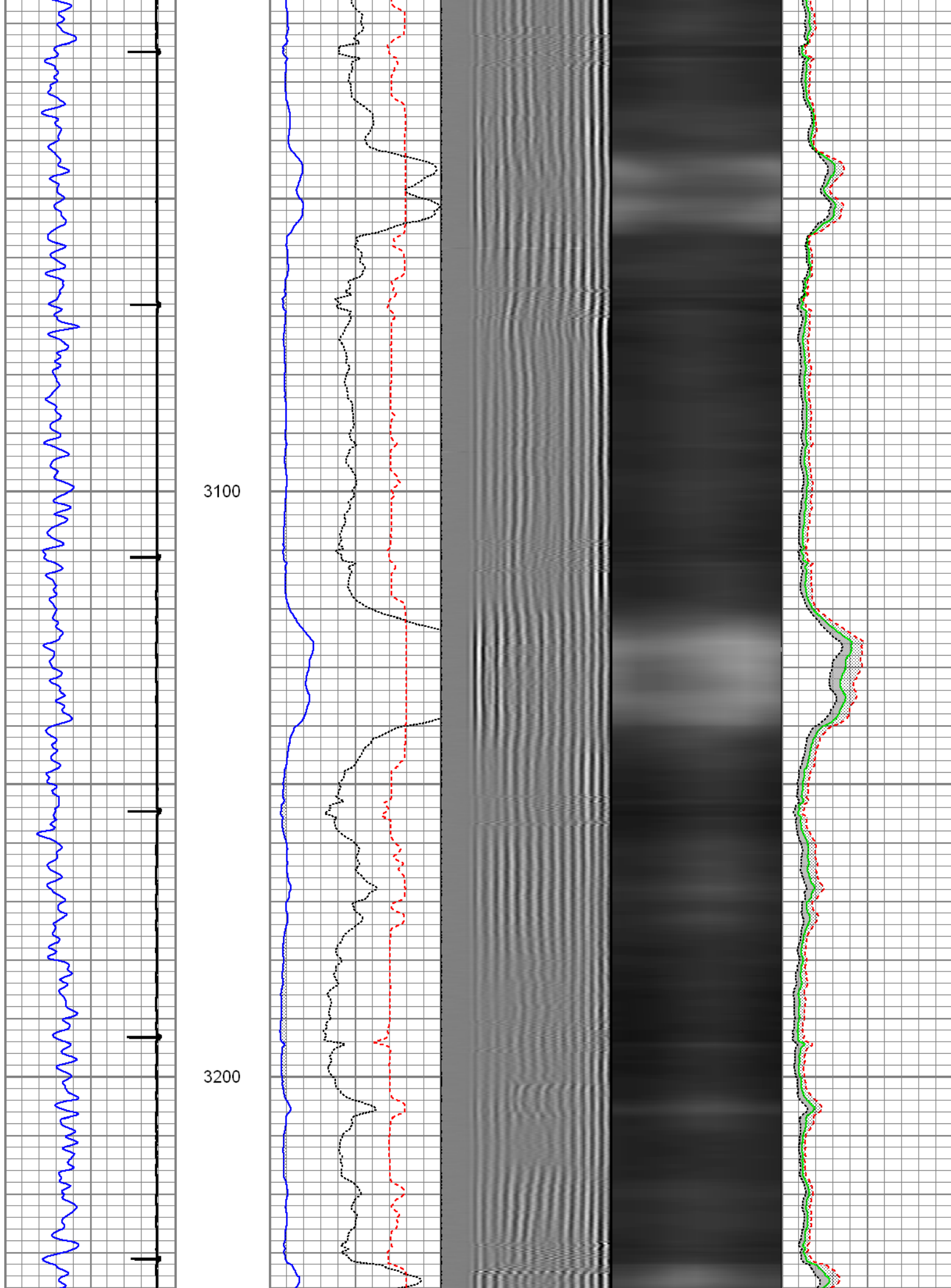
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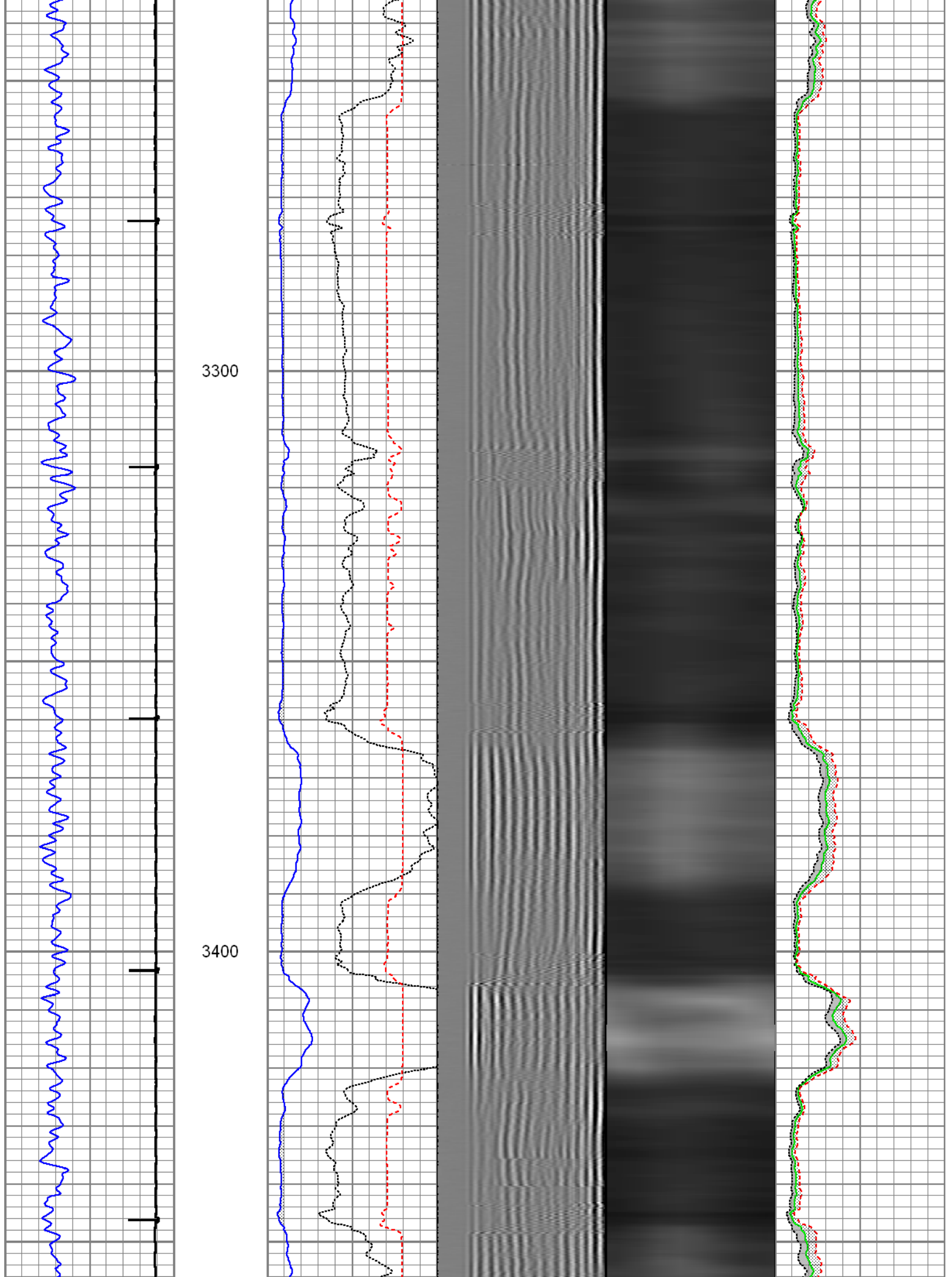
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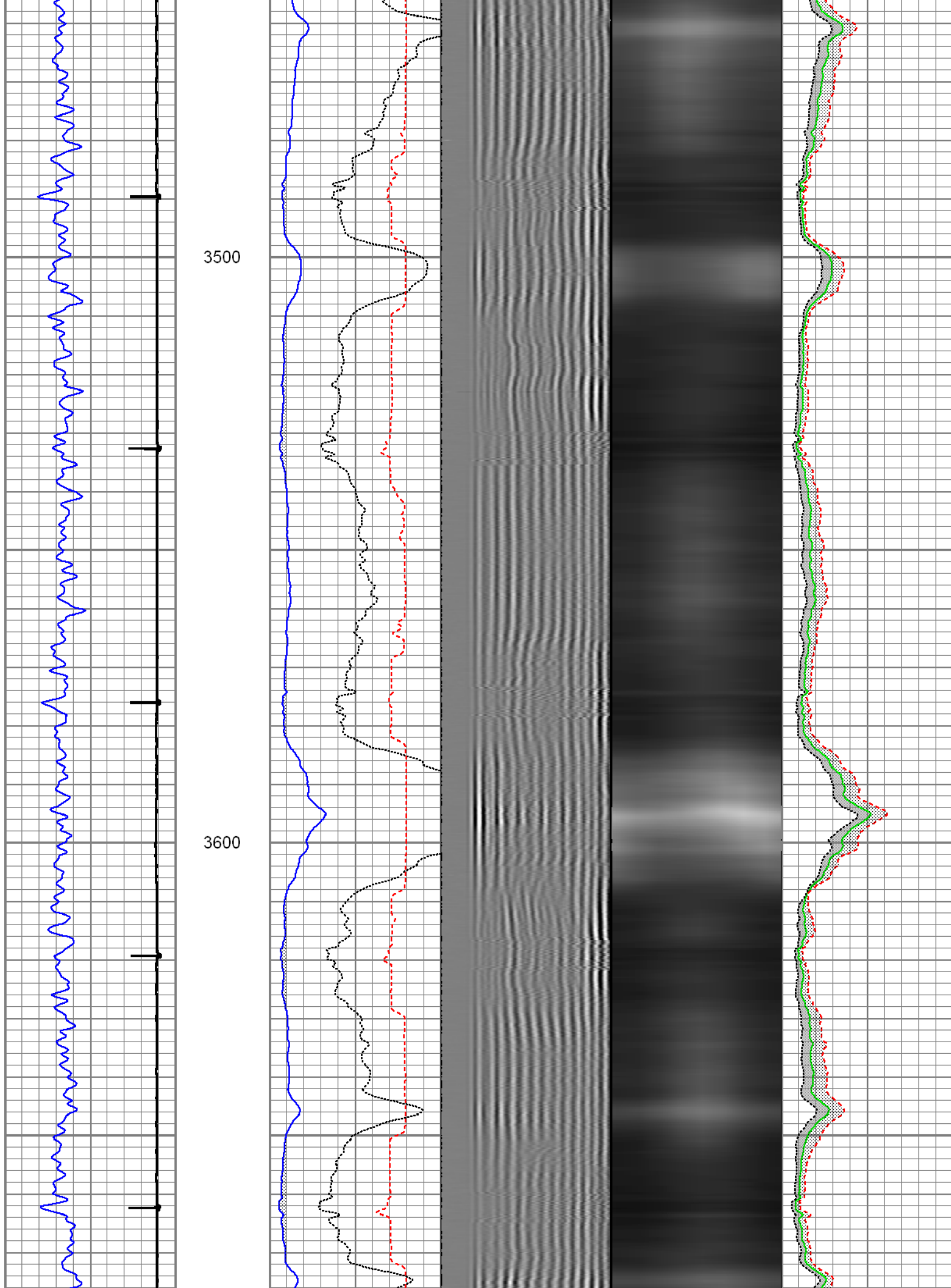
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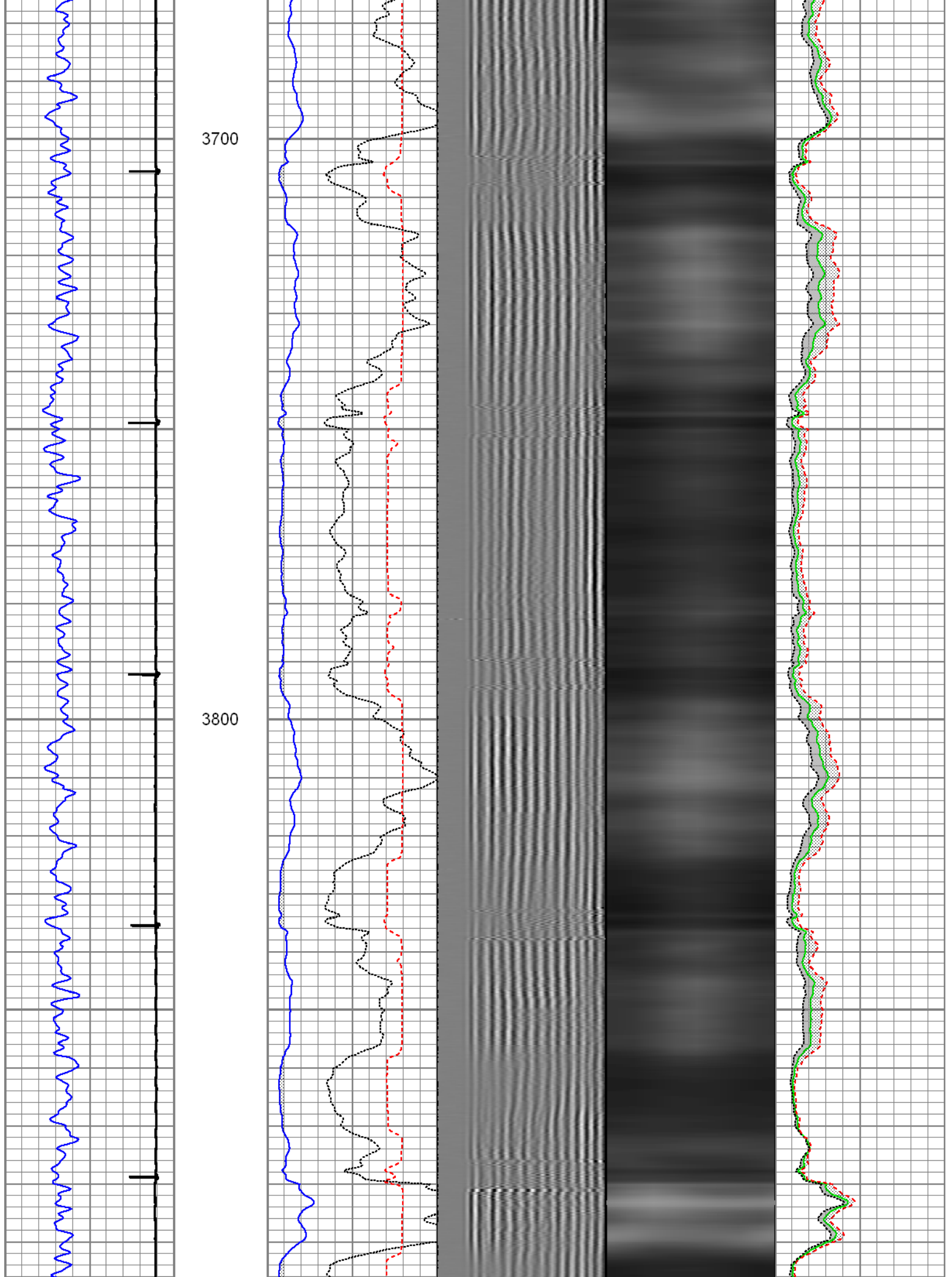




3500

3600

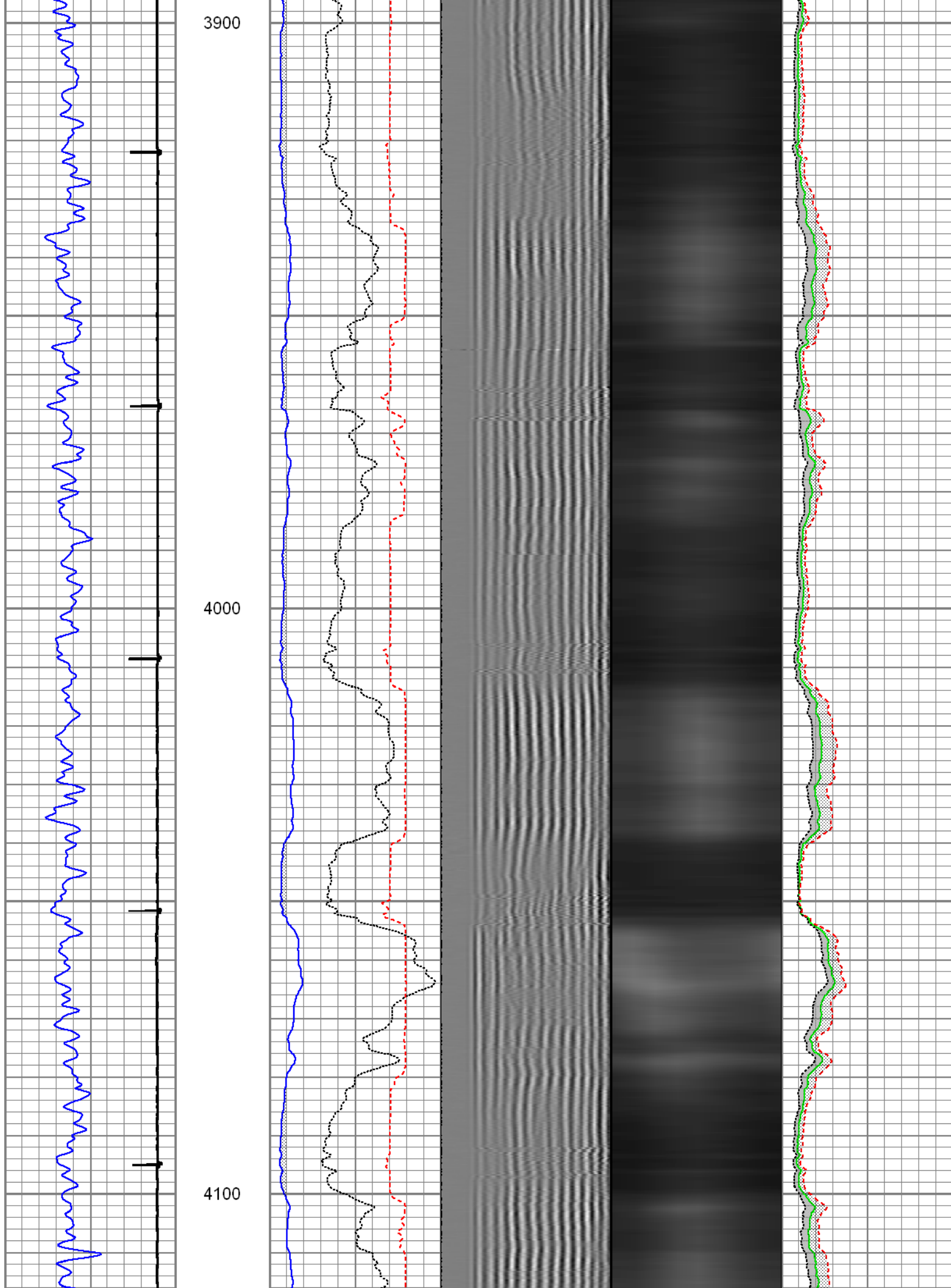




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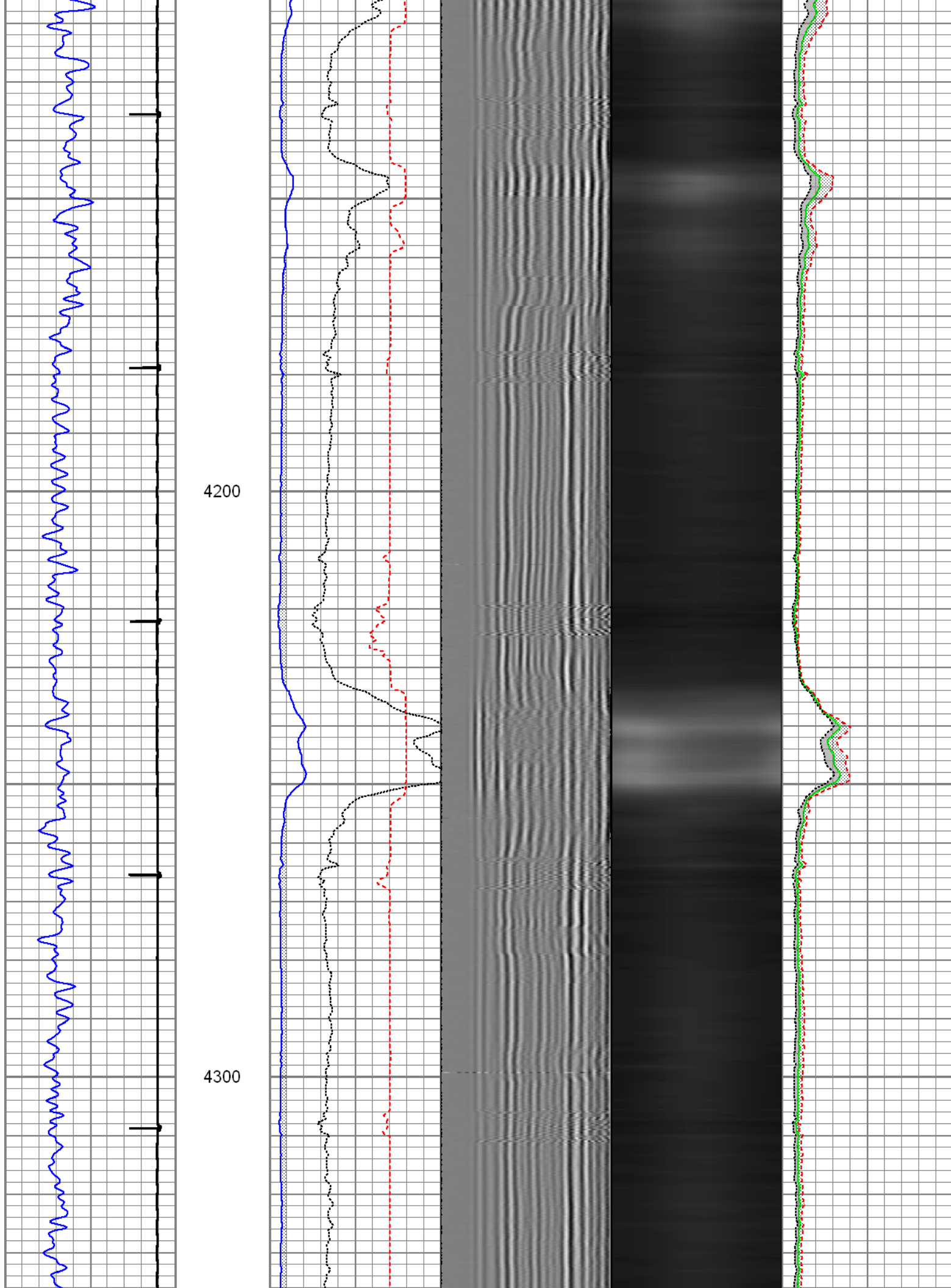
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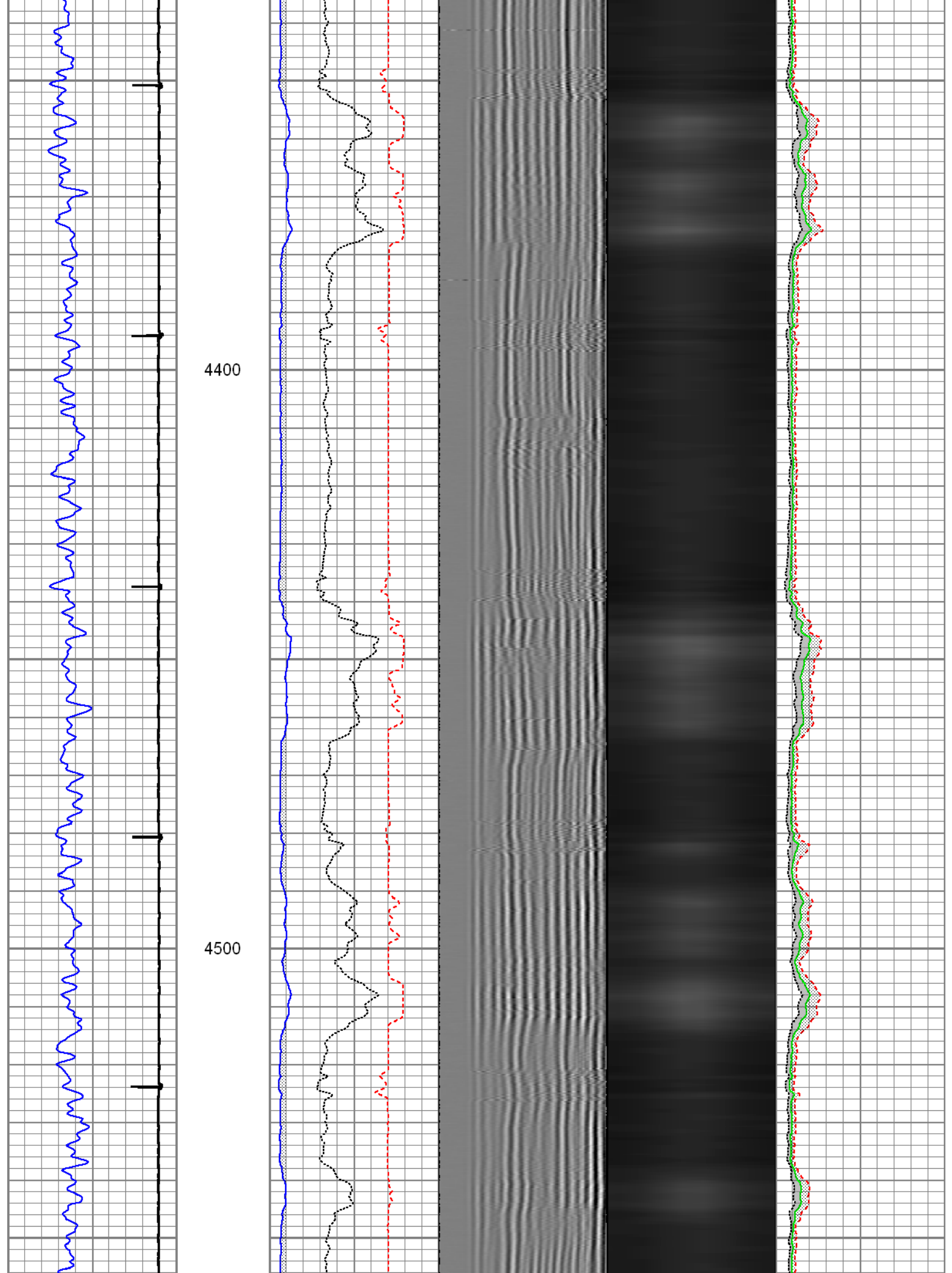
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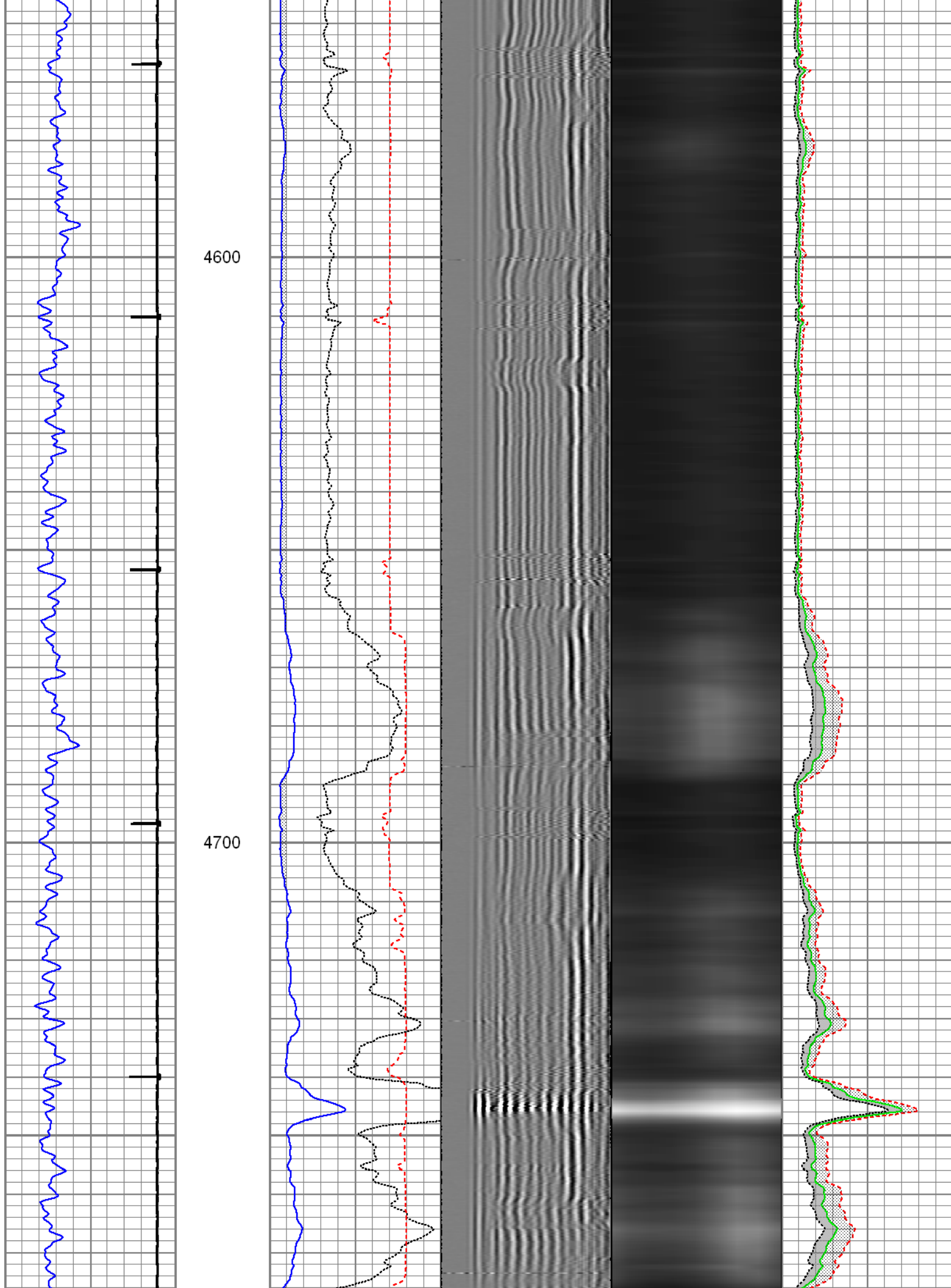


4200

4300

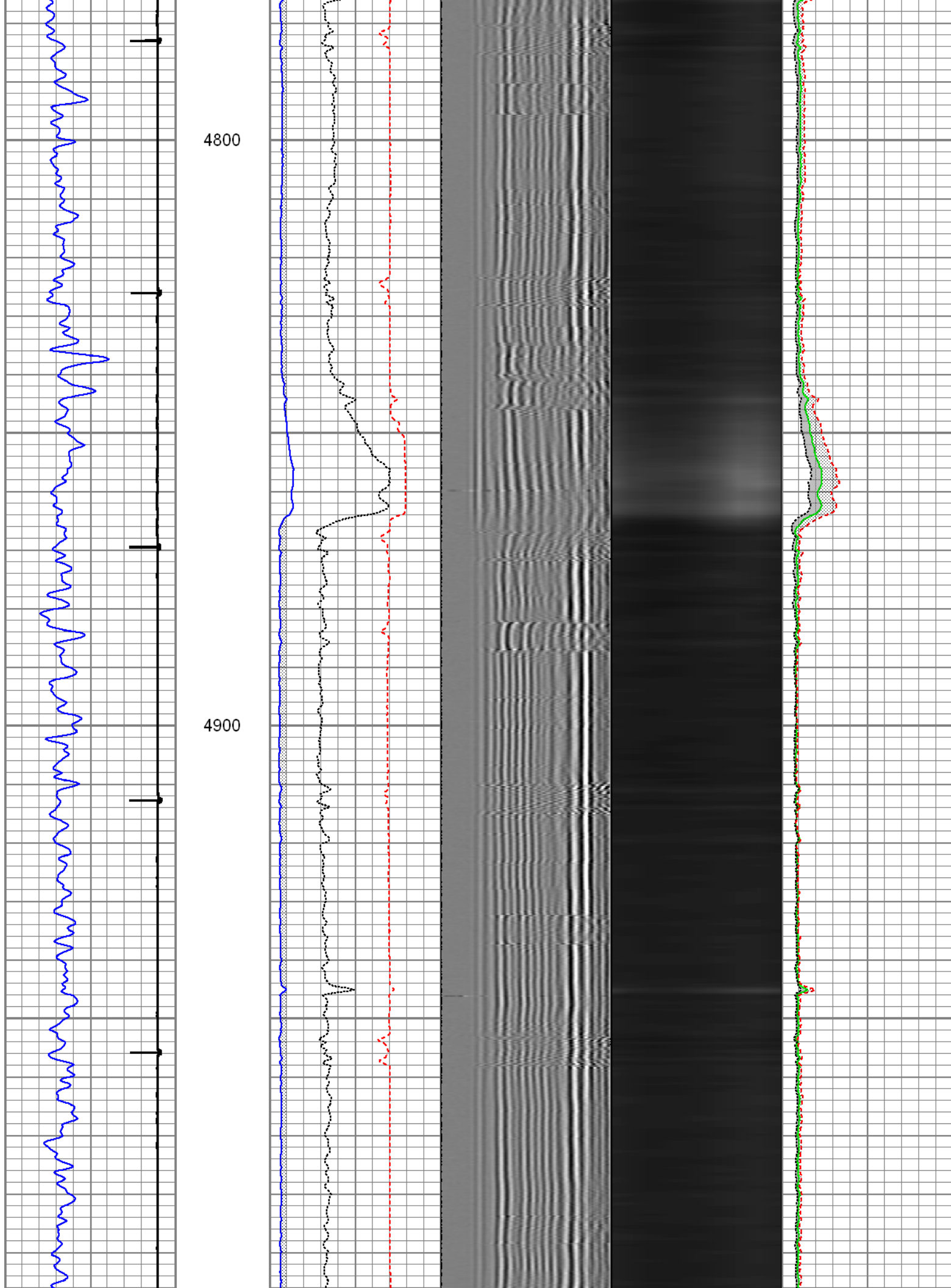


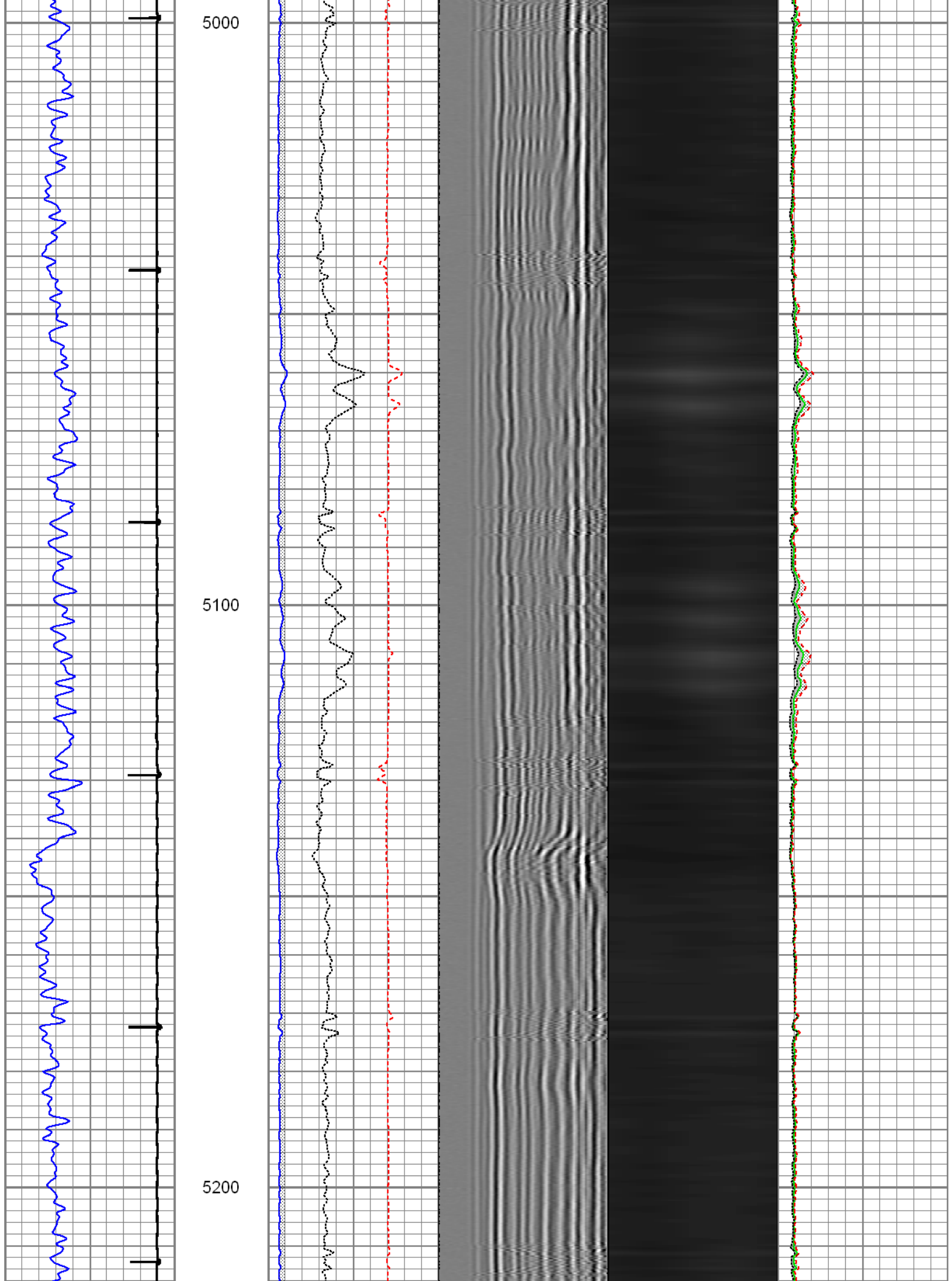


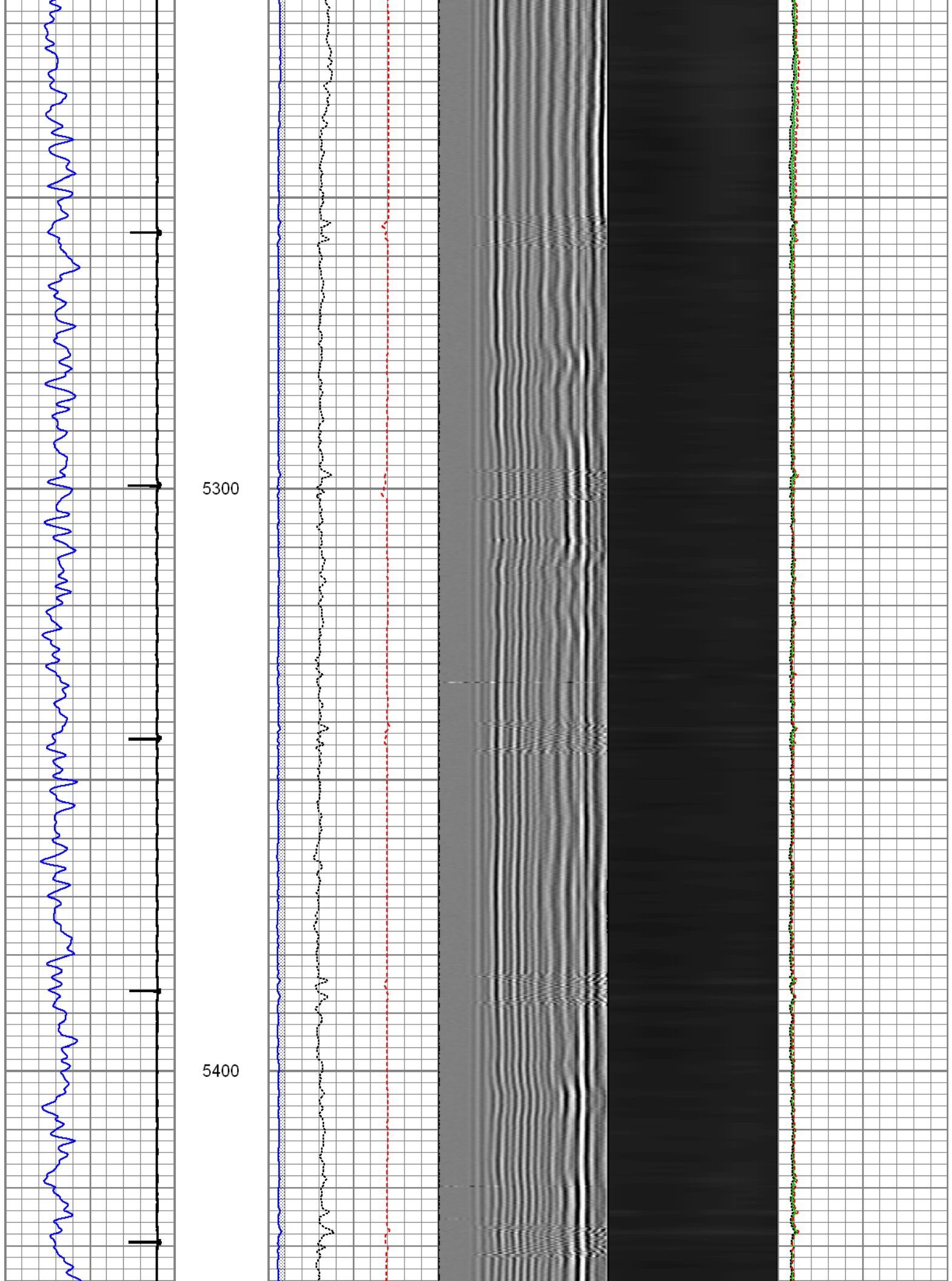


4800

4900

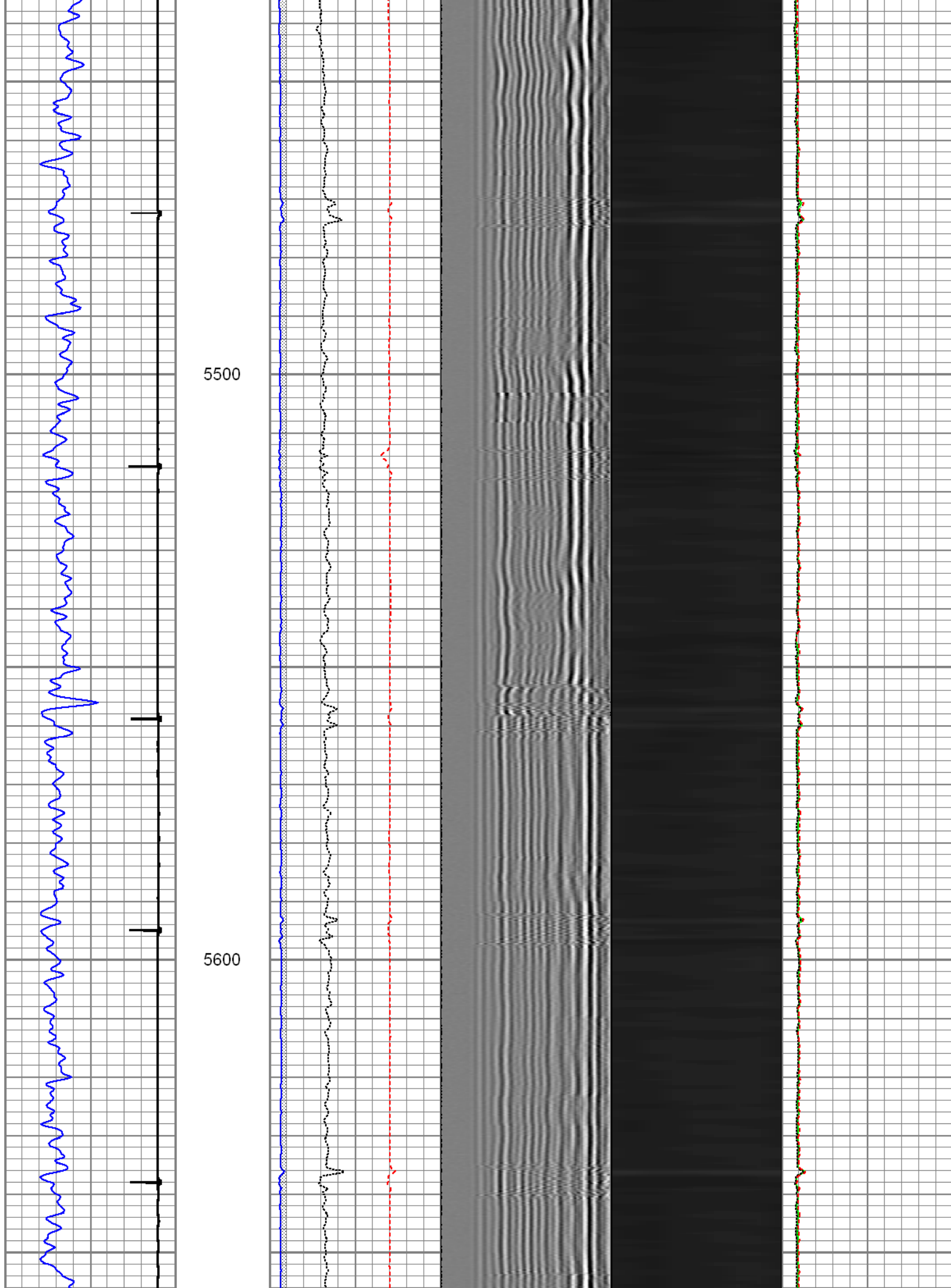






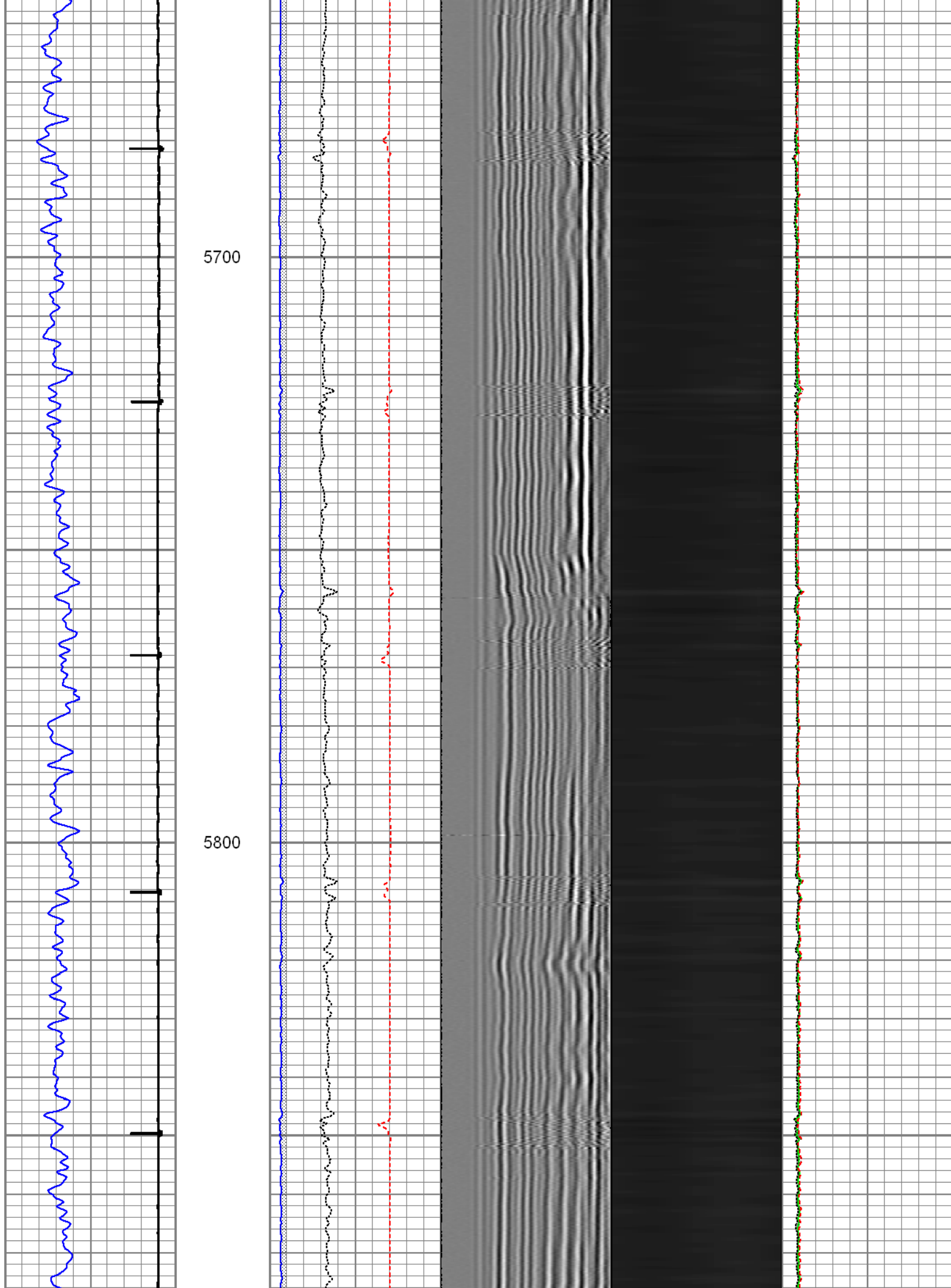
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5600



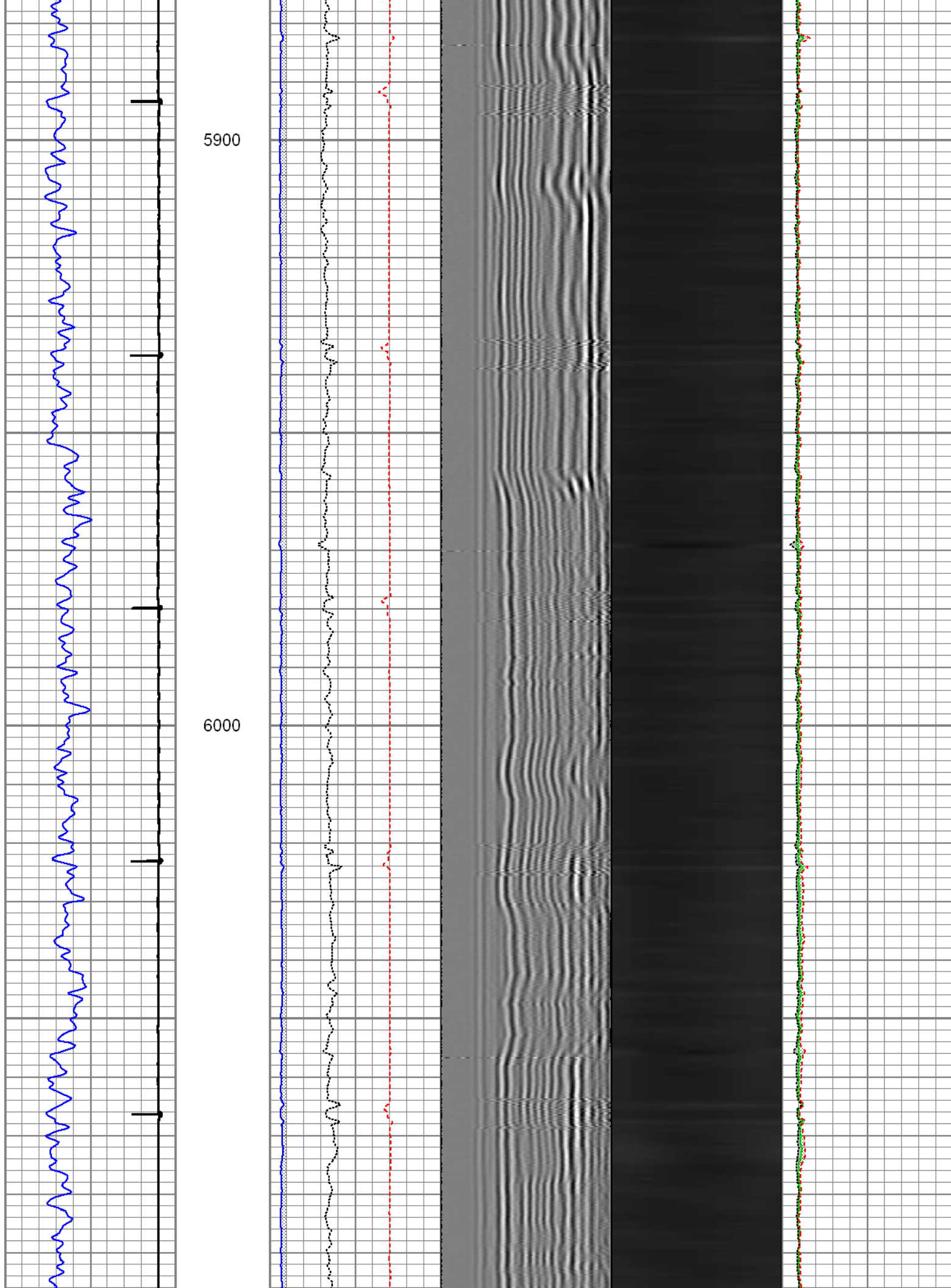
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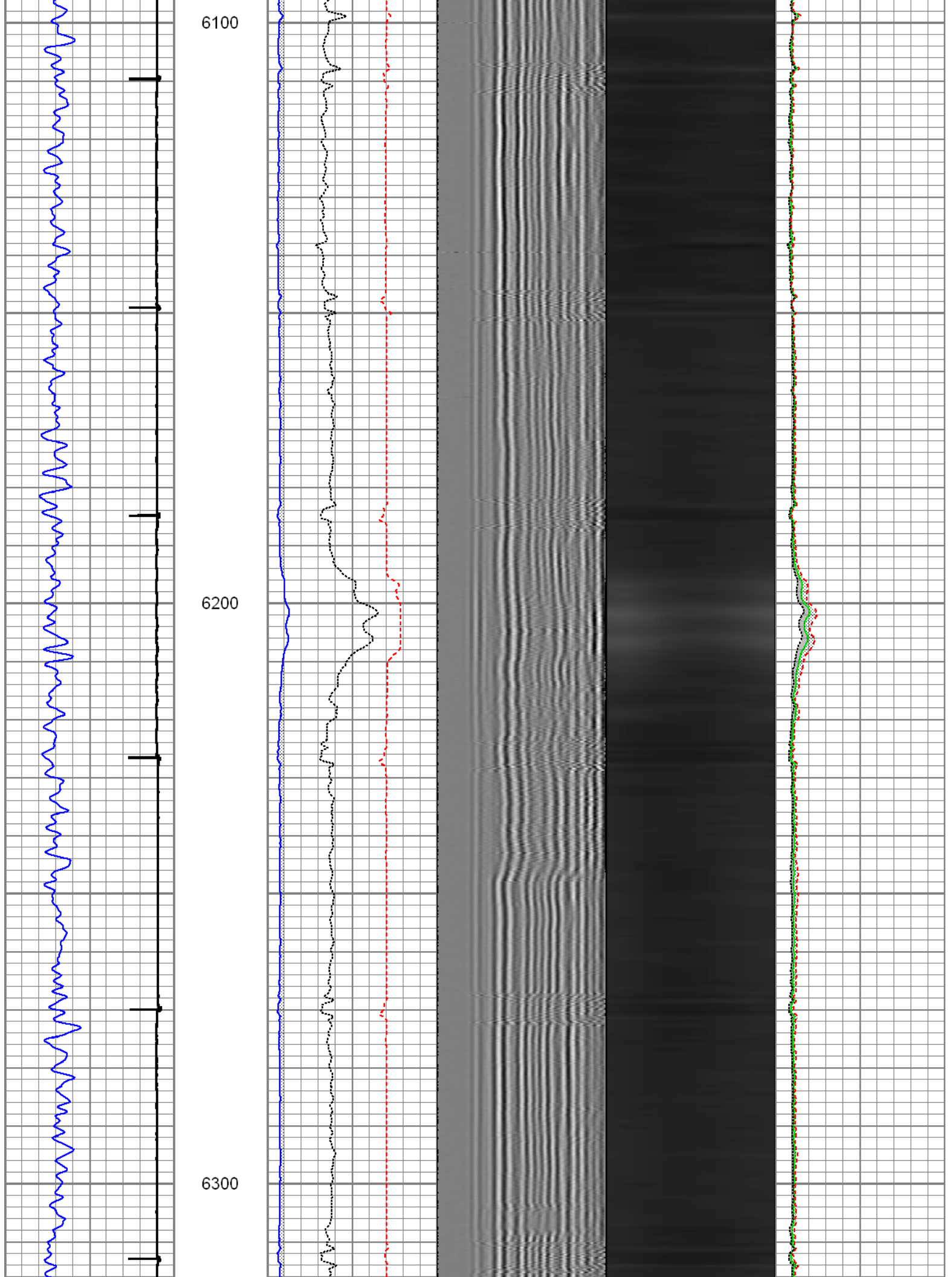
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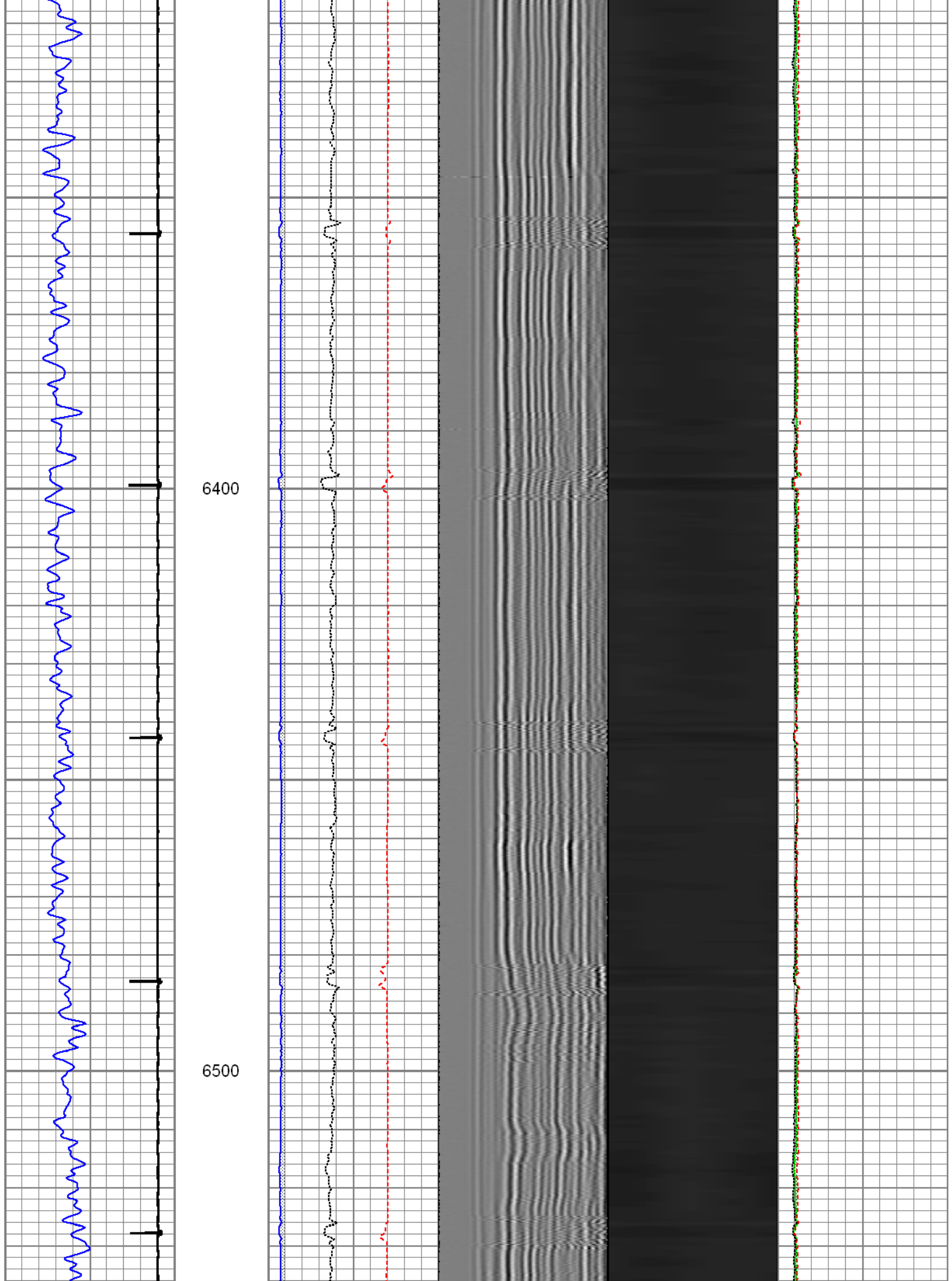


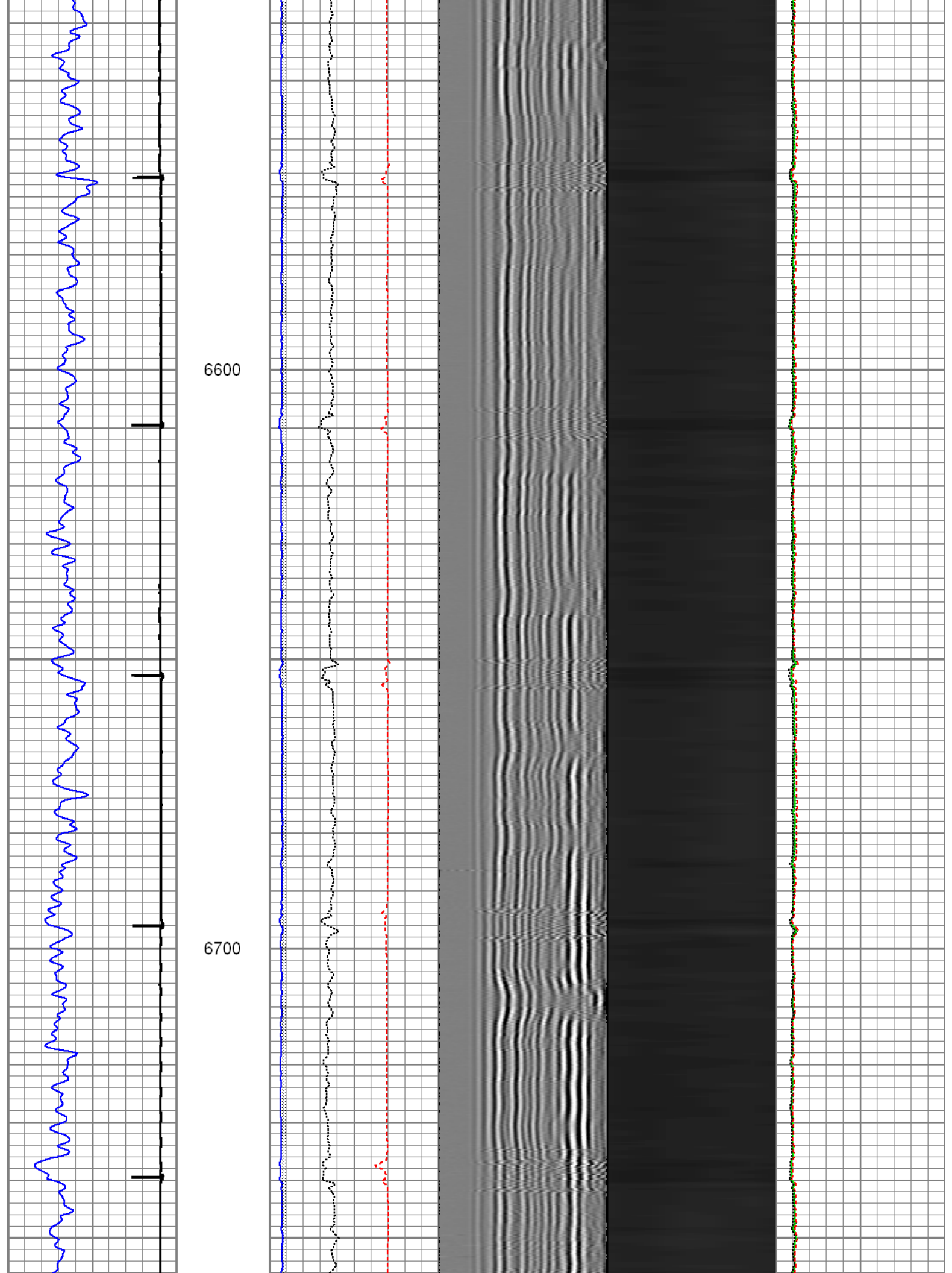
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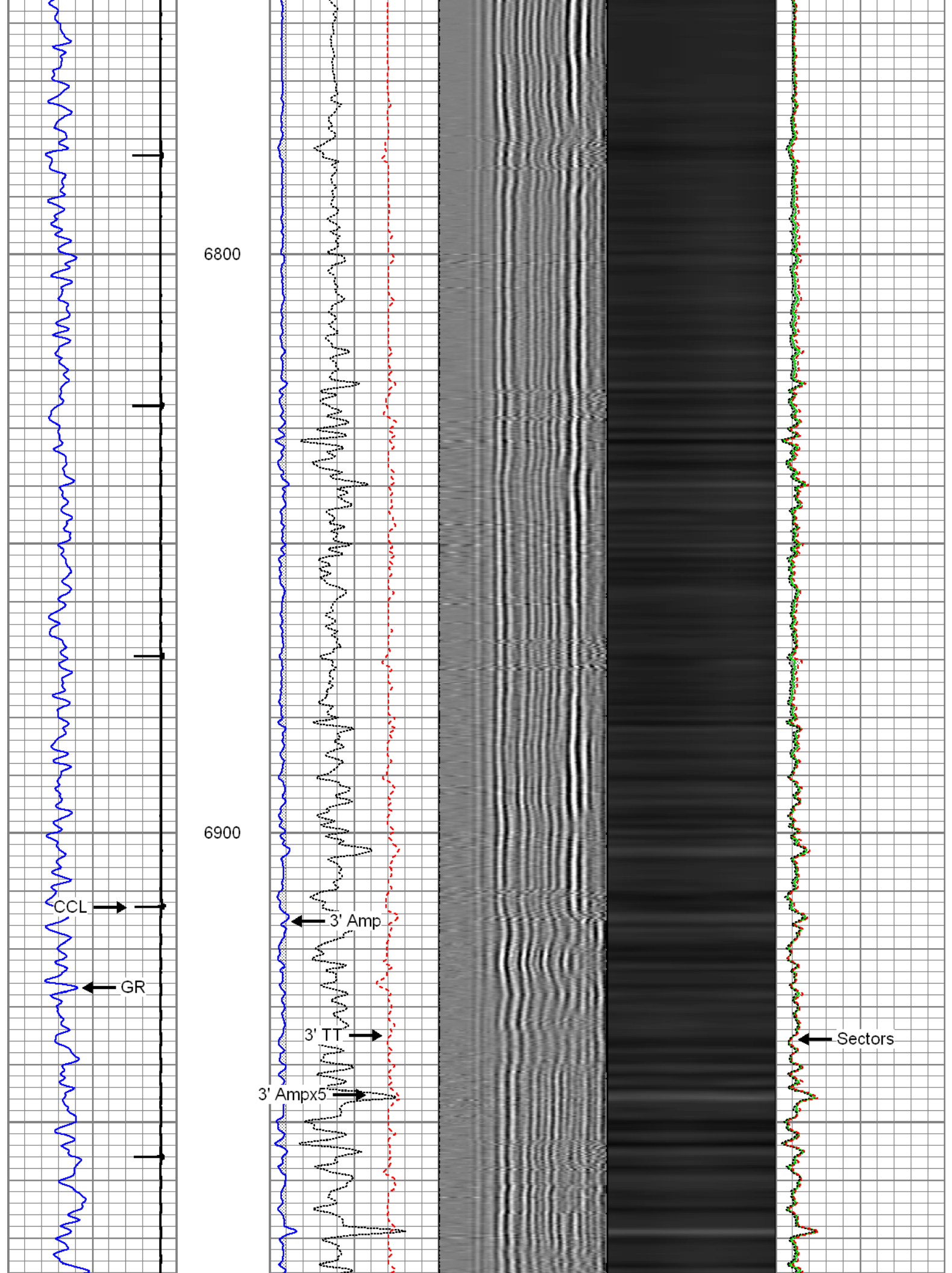
6000



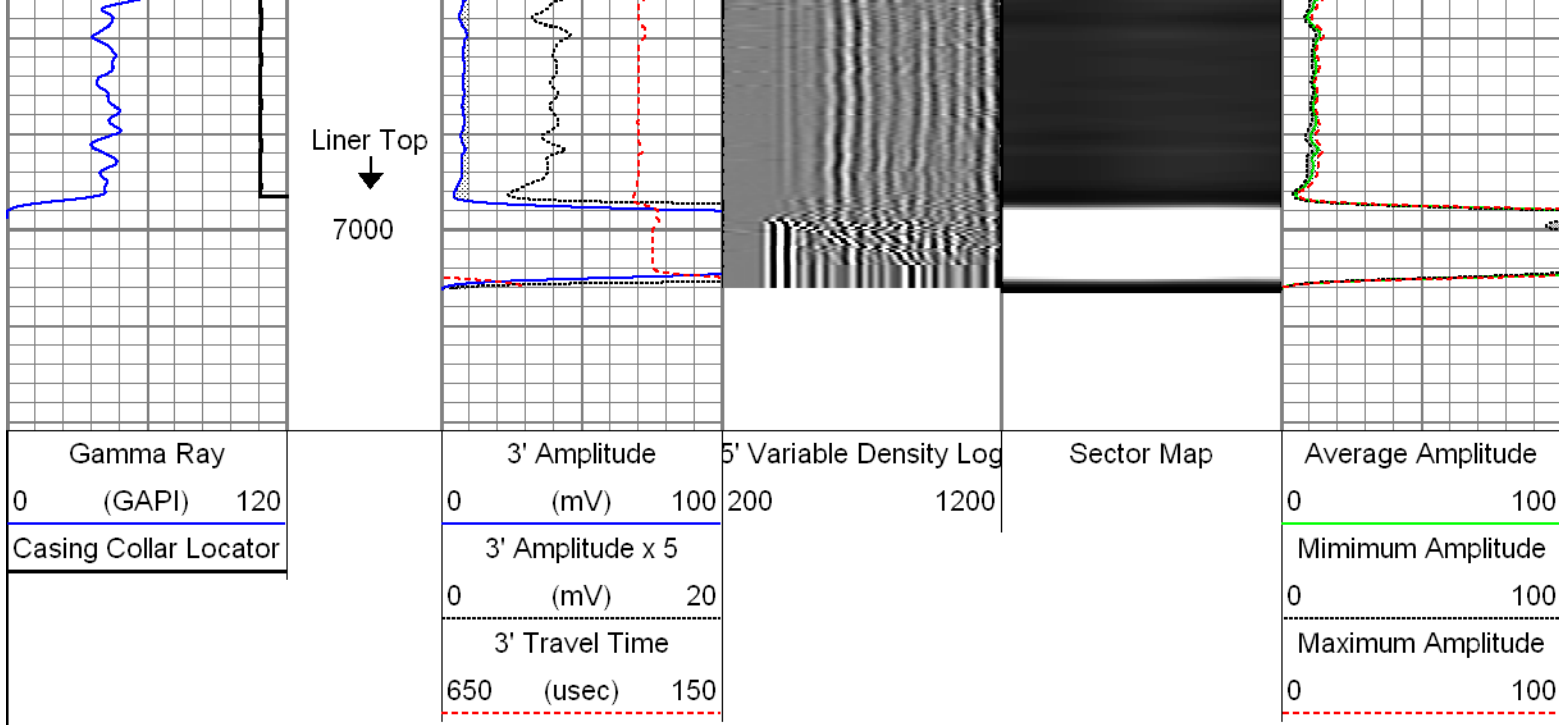








Liner Top
↓
7000

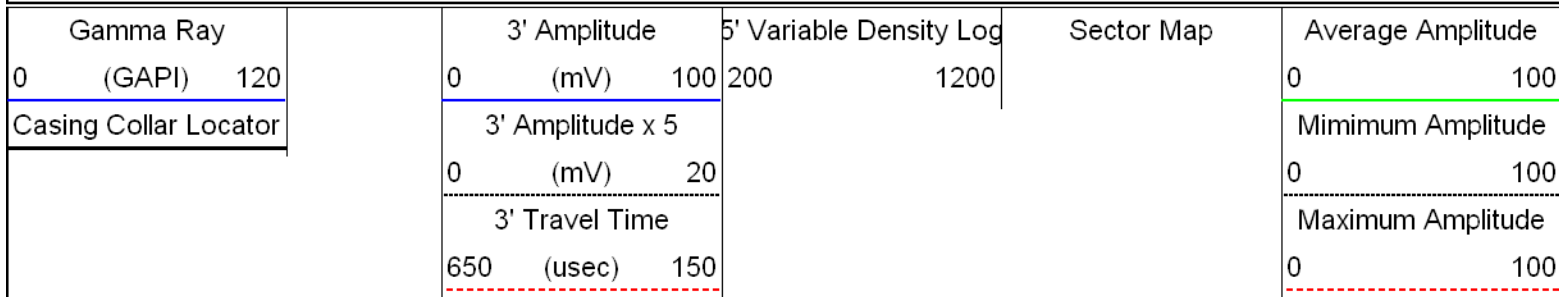


FMCTechnologies

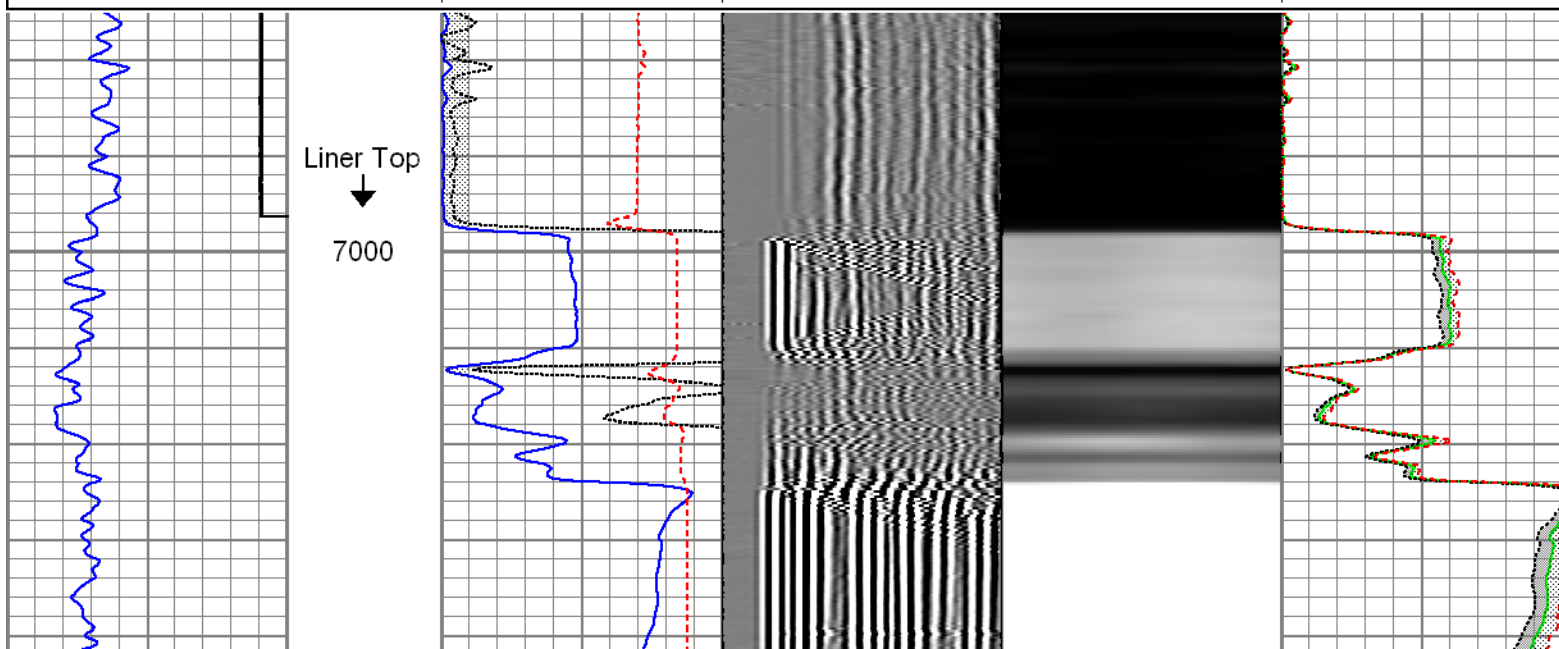
4.5" Main Pass

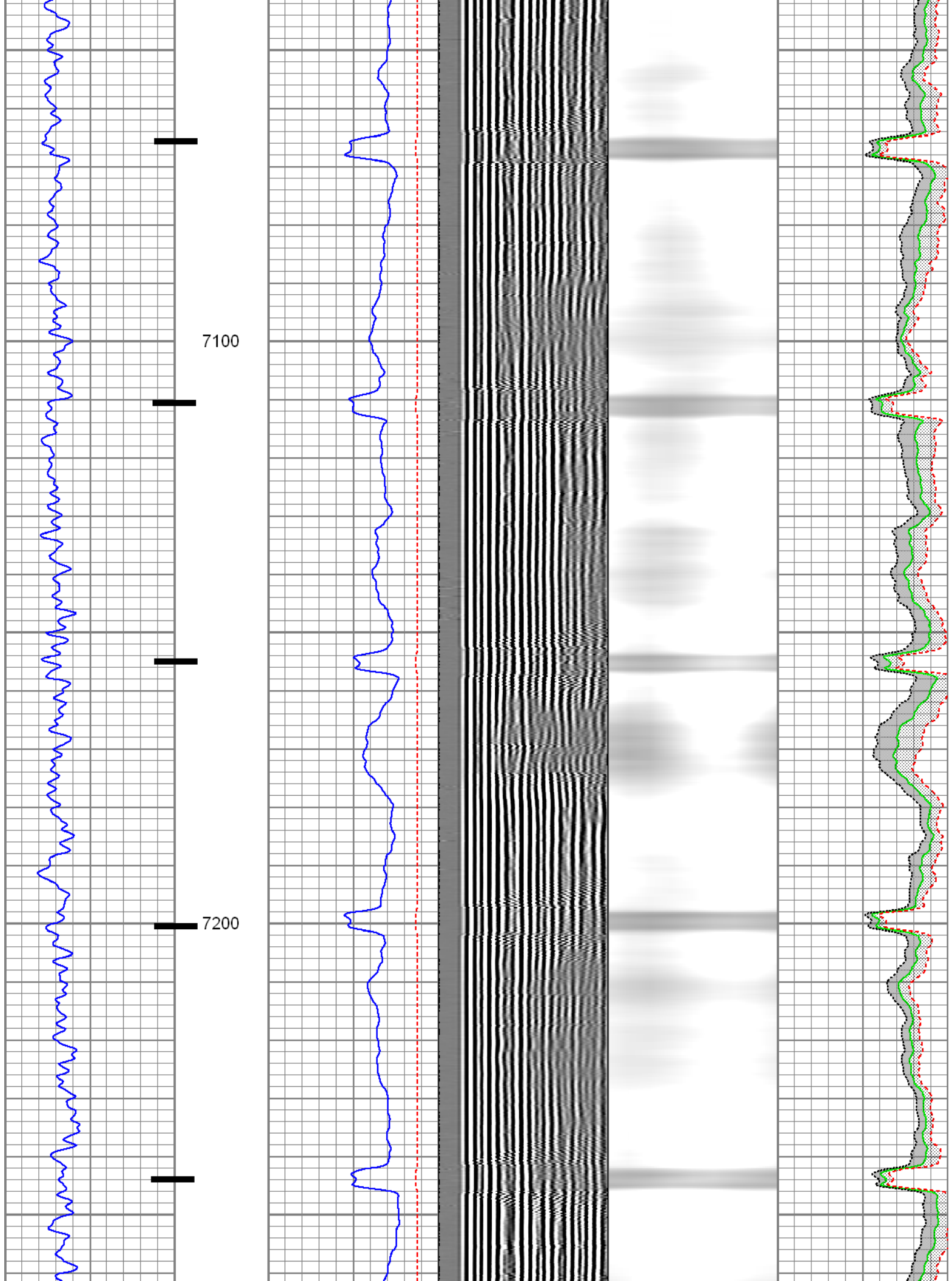
Recorded with 2800 PSI Surface Induced Pressure

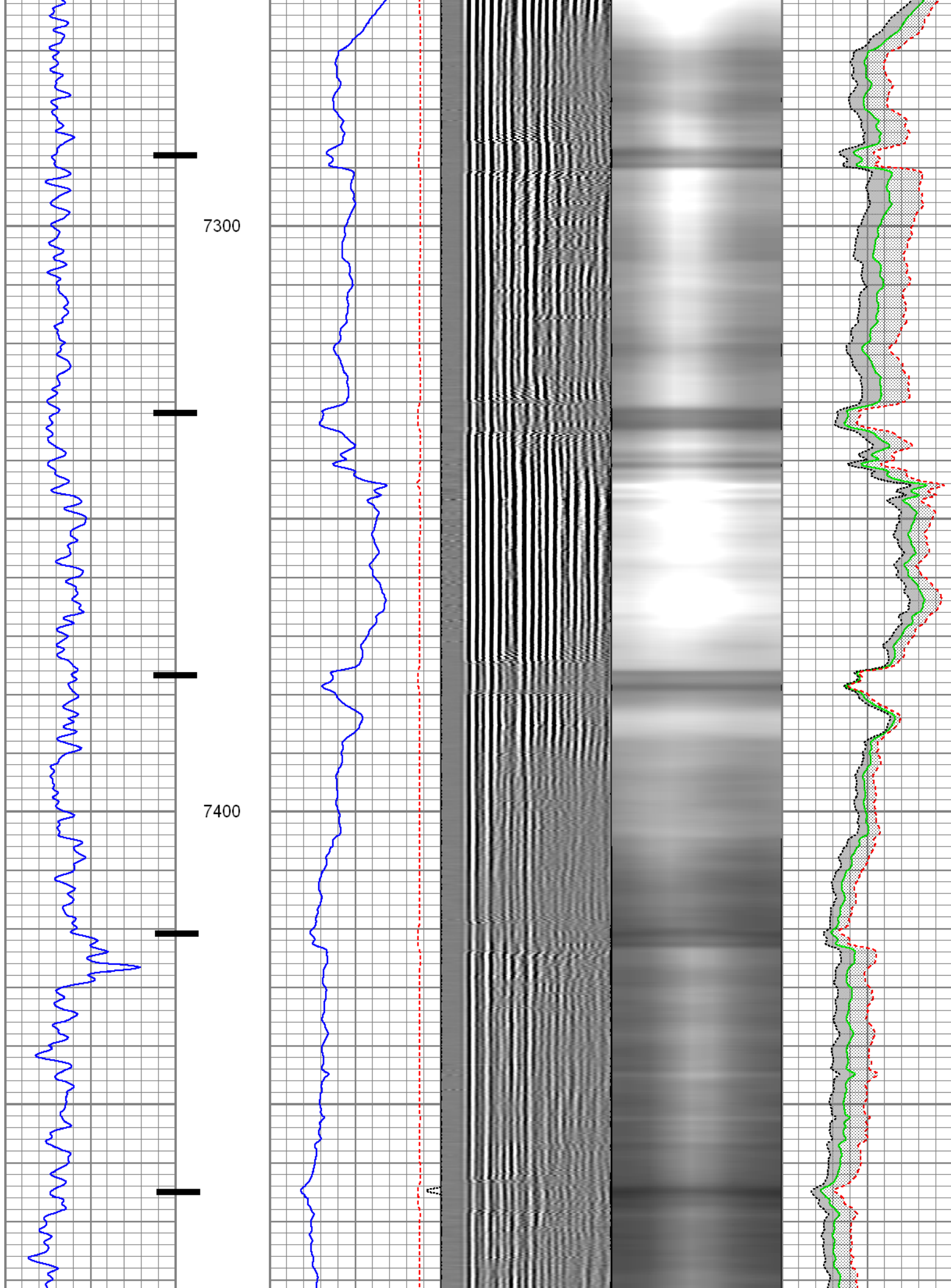
Database File: 0512338562_anadarko_deepe 34c-27hz_07-01-14_mit_rbl.db
Dataset Pathname: pass11
Presentation Format: rbt004
Dataset Creation: Tue Jul 01 10:50:55 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

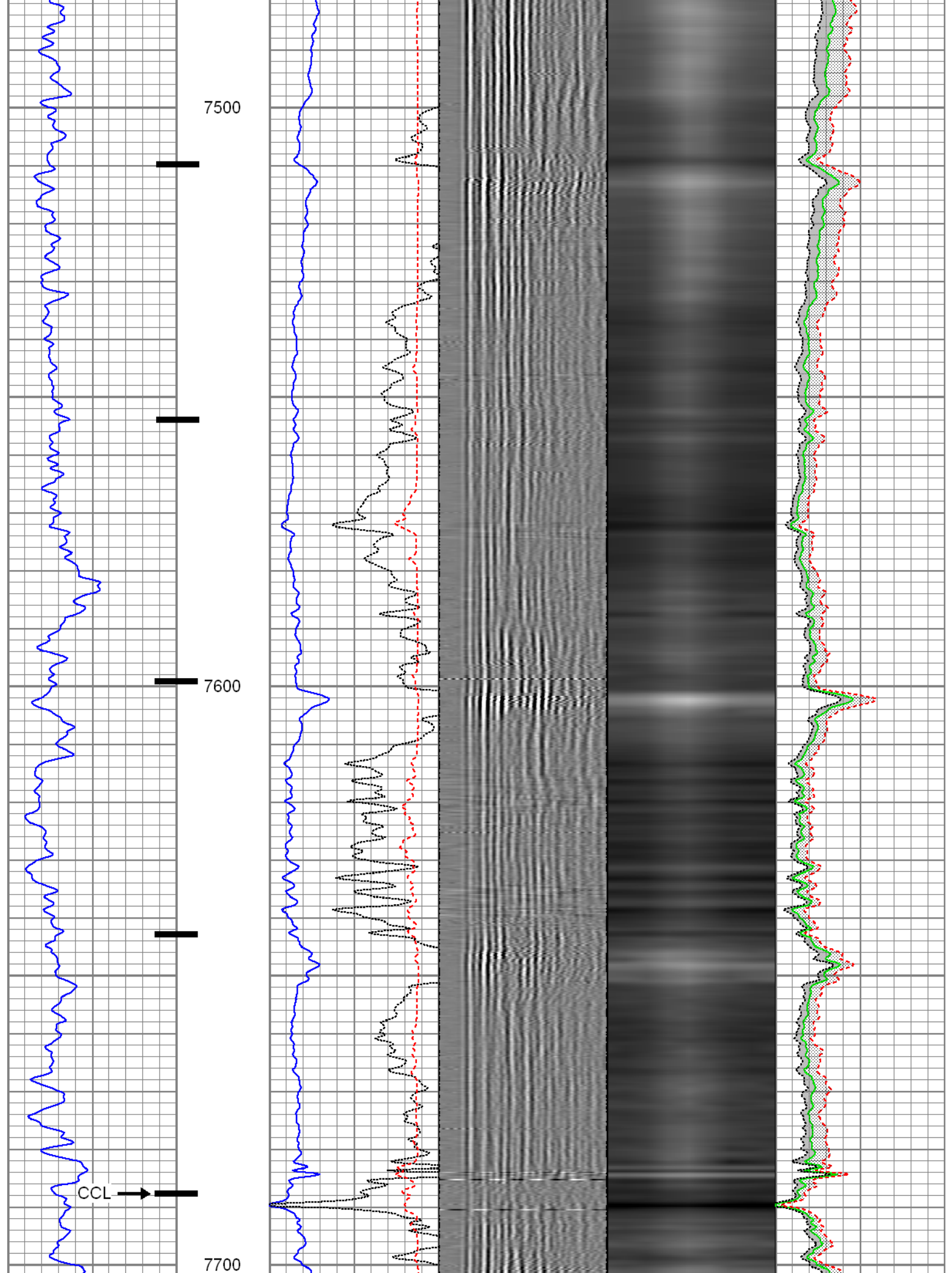


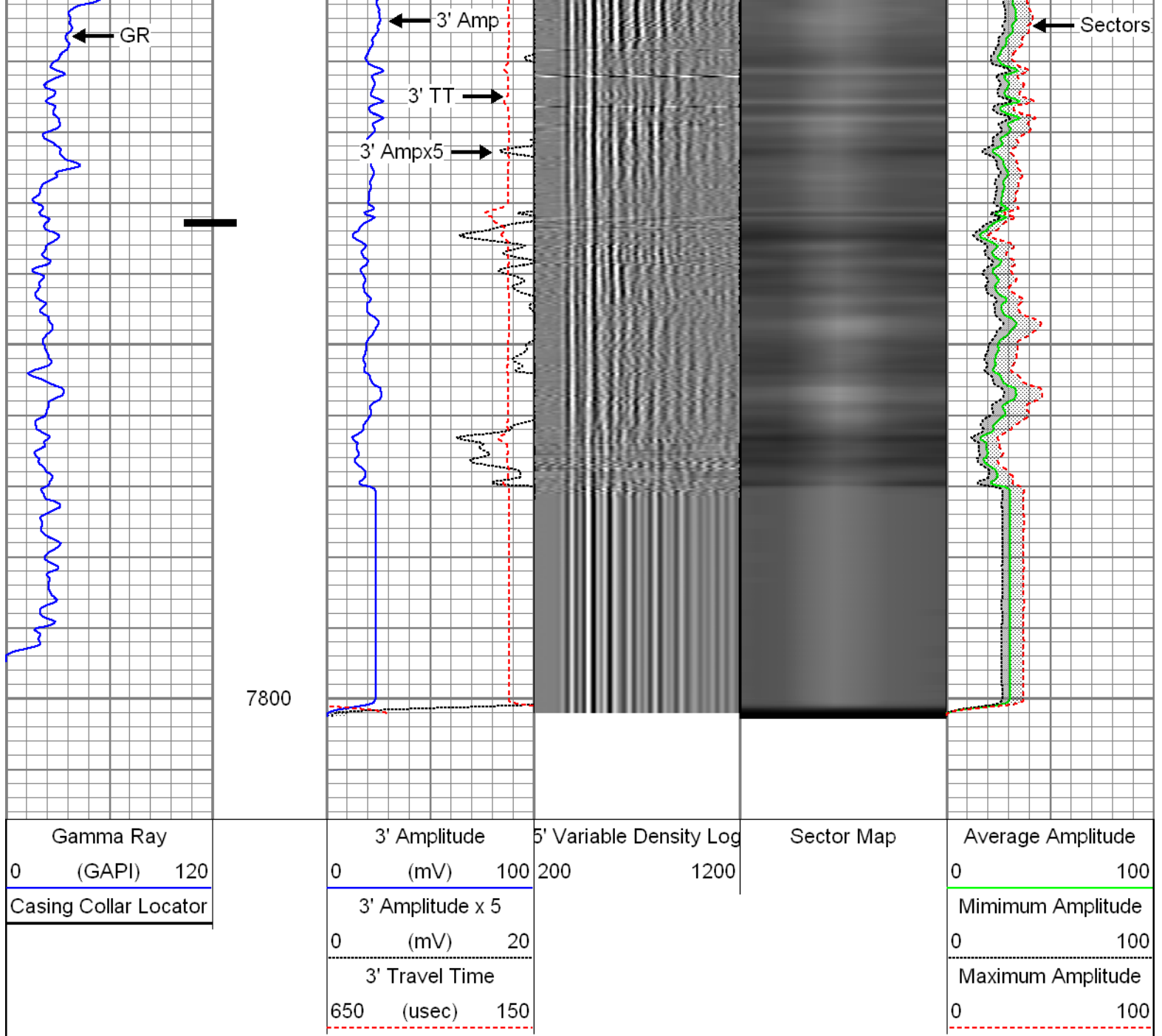
Liner Top
↓
7000







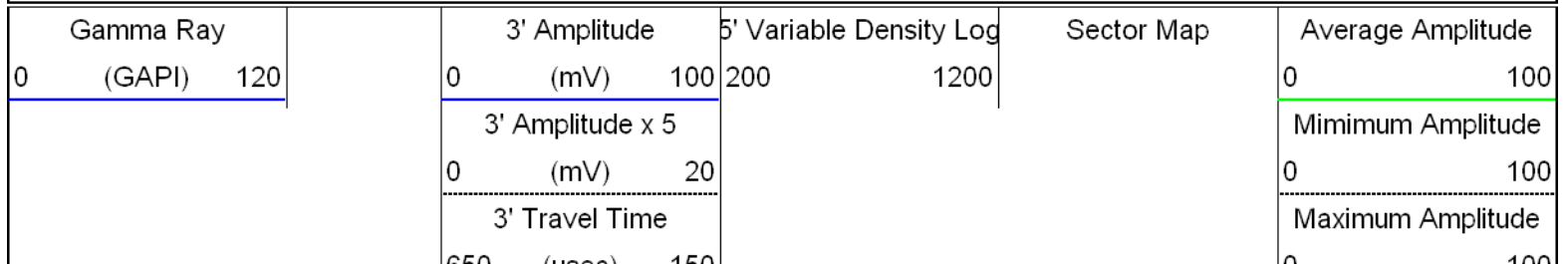


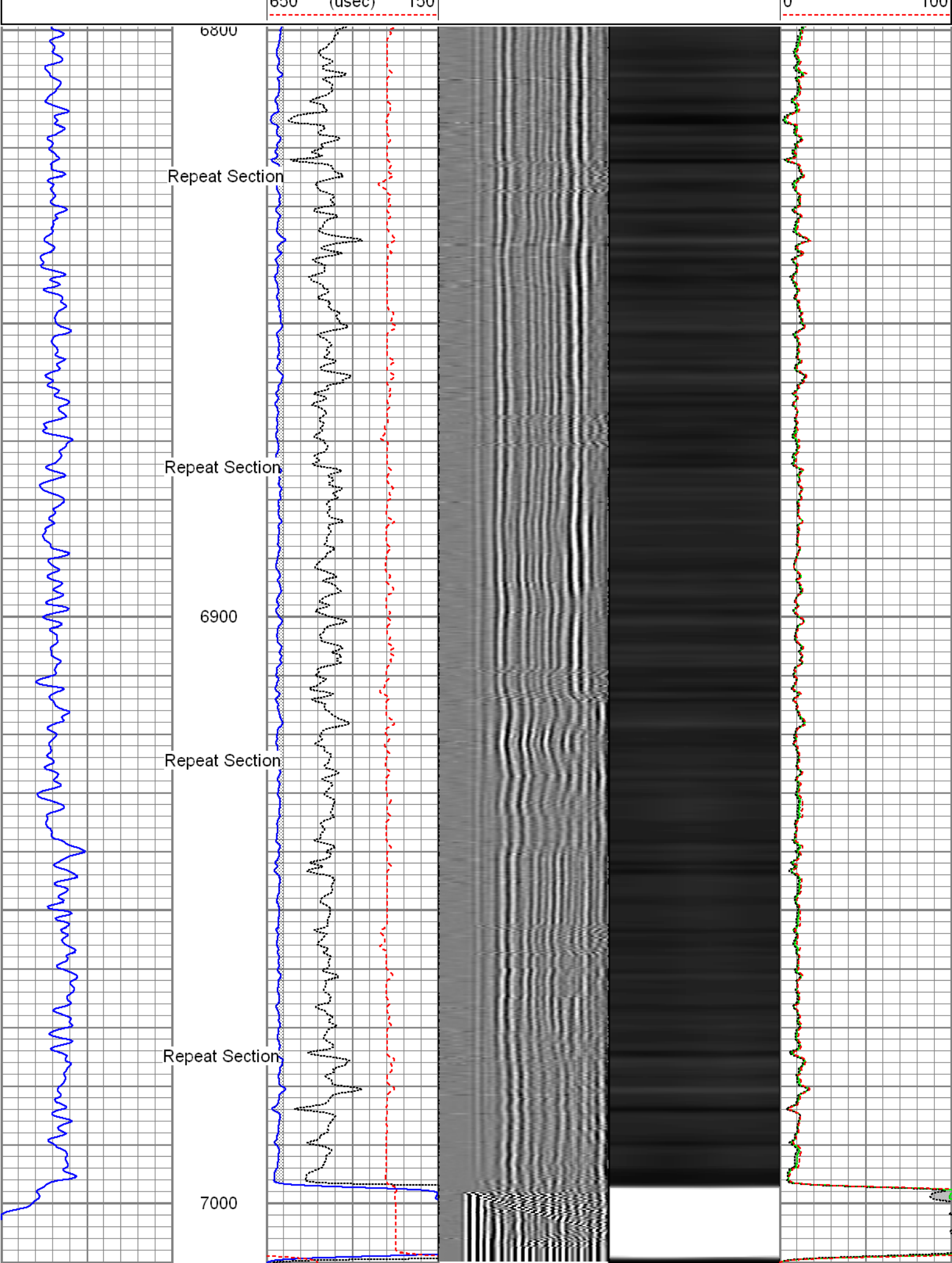


Repeat Pass

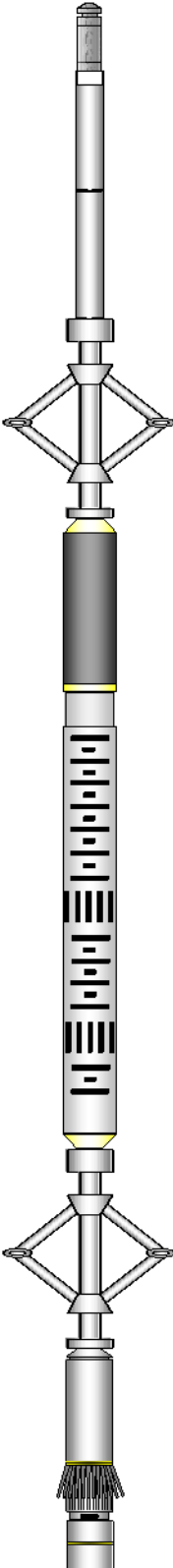
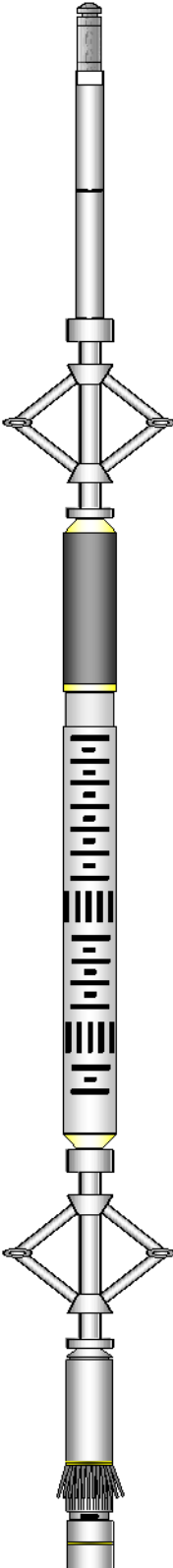
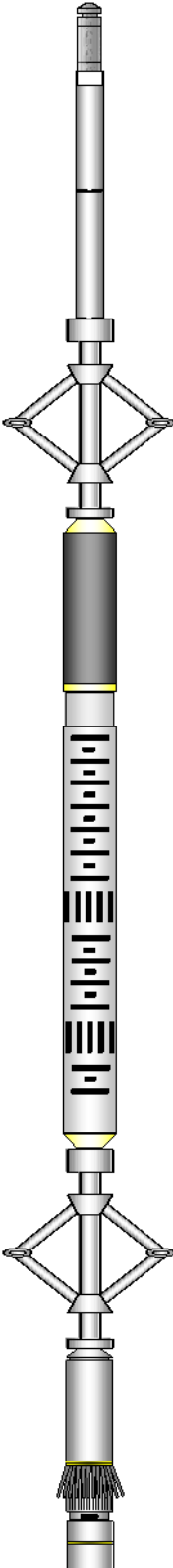
Recorded with 2800 PSI Surface Induced Pressure

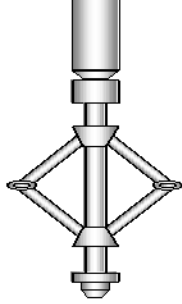
Database File: 0512338562_anadarko_deepe 34c-27hz_07-01-14_mit_rbl.db
 Dataset Pathname: pass5
 Presentation Format: rbt004
 Dataset Creation: Tue Jul 01 10:16:10 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240





Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120		0 (mV) 100	200 1200		0 100
		3' Amplitude x 5			Minimum Amplitude
		0 (mV) 20			0 100
		3' Travel Time			Maximum Amplitude
		650 (usec) 150			0 100

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.67		T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			UW_AGS-UW_AGS_001 (215017) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTU-UW_XTU_002 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (211727) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC #4 -UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVF3FT	15.85		UW_RBT-UW_RBT_004 (1066) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	15.85					
WVFS2	15.85					
WVFS3	15.85					
WVFS4	15.85					
WVFS5	15.85					
WVFS6	15.85					
WVFS7	15.85					
WVFS8	15.85					
CBLTEMP	15.85					
CBLROT	15.85					
WVF5FT	14.85					
MIT	5.41		UW_PRC-UW_PRC_057 (1102) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
			UW_MIT-UW_MIT40_027 (218950) 40 Multifinger Imaging Tool	4.54	2.75	61.10

TSTAMP	0.00		UW_PRC #3 -UW_PRC_057 (1038) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512338562_Anadarko_Deepe 34C-27HZ_07-01-14_MIT_RBL.db: field/well/run1/pass13 Total Length: 27.92 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512338562_Anadarko_Deepe 34C-27HZ_07-01-14_MIT_RBL.db		
Dataset Pathname:	pass14		
Dataset Creation:	Tue Jul 01 14:45:38 2014 by Log 7.0 B1		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	218950		
Number of Fingers:	40		
Tool Model:	UW_MIT40_027		
Inclinometer Calibration Report			
Performed:	Fri, Oct, 10 10:41:51 2008		
Calibration Angle:	45		
		Inc X	Inc Y
Vertical:		1996	1975
Finger 1 up:		2238	2226
Finger 31 up:		1760	2216
Finger 21 up:		1769	1745
Finger 11 up:		2250	1738
Sensitivity ratio:	1.00023		
X-axis angle:	314.283		
Deviation const.:	339.139		

Finger Calibration Report							
Performed: Tue Jul 01 09:12:10 2014							
Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	1465	273.0	1738	291.0	2029	299.0	2328
Finger 02:	1567	247.0	1814	256.0	2070	260.0	2330
Finger 03:	1438	273.0	1711	294.0	2005	304.0	2309
Finger 04:	1463	276.0	1739	293.0	2032	294.0	2326
Finger 05:	1493	266.0	1759	281.0	2040	283.0	2323
Finger 06:	1429	280.0	1709	297.0	2006	305.0	2311
Finger 07:	1427	282.0	1709	292.0	2001	305.0	2306
Finger 08:	1458	274.0	1732	288.0	2020	295.0	2315
Finger 09:	1443	283.0	1726	295.0	2021	303.0	2324
Finger 10:	1473	271.0	1744	286.0	2030	292.0	2322
Finger 11:	1439	277.0	1716	292.0	2008	303.0	2311
Finger 12:	1418	289.0	1707	299.0	2006	308.0	2314
Finger 13:	1522	264.0	1786	272.0	2058	277.0	2335
Finger 14:	1463	270.0	1733	288.0	2021	295.0	2316
Finger 15:	1448	283.0	1731	297.0	2028	308.0	2336
Finger 16:	1472	277.0	1749	291.0	2040	296.0	2336
Finger 17:	1445	280.0	1725	295.0	2020	304.0	2324
Finger 18:	1479	271.0	1750	280.0	2030	291.0	2321
Finger 19:	1473	275.0	1748	288.0	2036	300.0	2336
Finger 20:	1463	273.0	1733	286.0	2025	299.0	2328

Finger 20:	1466	273.0	1739	286.0	2025	303.0	2328
Finger 21:	1439	286.0	1725	300.0	2025	312.0	2337
Finger 22:	1473	267.0	1740	278.0	2018	289.0	2307
Finger 23:	1473	272.0	1745	285.0	2030	294.0	2324
Finger 24:	1474	273.0	1747	282.0	2029	289.0	2318
Finger 25:	1451	275.0	1726	286.0	2012	295.0	2307
Finger 26:	1450	278.0	1728	290.0	2018	299.0	2317
Finger 27:	1488	269.0	1757	280.0	2037	287.0	2324
Finger 28:	1475	275.0	1750	284.0	2034	294.0	2328
Finger 29:	1534	260.0	1794	272.0	2066	277.0	2343
Finger 30:	1439	273.0	1712	288.0	2000	301.0	2301
Finger 31:	1455	278.0	1733	294.0	2027	302.0	2329
Finger 32:	1516	263.0	1779	274.0	2053	277.0	2330
Finger 33:	1460	276.0	1736	296.0	2032	302.0	2334
Finger 34:	1445	269.0	1714	295.0	2009	303.0	2312
Finger 35:	1506	253.0	1759	271.0	2030	274.0	2304
Finger 36:	1493	261.0	1754	282.0	2036	288.0	2324
Finger 37:	1464	270.0	1734	295.0	2029	297.0	2326
Finger 38:	1531	244.0	1775	263.0	2038	271.0	2309
Finger 39:	1485	267.0	1752	283.0	2035	285.0	2320
Finger 40:	1423	278.0	1701	302.0	2003	309.0	2312


Post Survey Calibration Check								
Performed: Tue Jul 01 14:45:30 2014								
Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	3.993	-0.004	4.991	-0.005	5.987	-0.007	6.991	-0.005
Finger 02:	3.994	-0.003	4.988	-0.006	5.996	-0.002	6.998	-0.001
Finger 03:	3.986	-0.007	4.995	-0.003	5.996	-0.002	6.997	-0.002
Finger 04:	3.980	-0.010	4.980	-0.010	5.986	-0.007	6.994	-0.003
Finger 05:	3.977	-0.012	4.984	-0.008	5.989	-0.005	6.997	-0.001
Finger 06:	3.993	-0.003	4.991	-0.005	5.998	-0.001	6.995	-0.002
Finger 07:	4.009	0.004	4.989	-0.006	5.997	-0.001	6.995	-0.002
Finger 08:	3.995	-0.003	4.997	-0.001	5.996	-0.002	6.998	-0.001
Finger 09:	3.989	-0.005	4.979	-0.011	5.983	-0.009	6.985	-0.007
Finger 10:	3.977	-0.012	4.979	-0.010	5.987	-0.006	6.994	-0.003
Finger 11:	3.992	-0.004	4.991	-0.005	5.990	-0.005	6.994	-0.003
Finger 12:	4.003	0.001	4.982	-0.009	5.985	-0.007	6.987	-0.006
Finger 13:	3.991	-0.005	4.991	-0.005	5.995	-0.002	7.002	0.001
Finger 14:	3.978	-0.011	4.982	-0.009	5.987	-0.006	6.995	-0.003
Finger 15:	3.992	-0.004	4.996	-0.002	5.999	-0.001	6.997	-0.001
Finger 16:	3.976	-0.012	4.974	-0.013	5.976	-0.012	6.992	-0.004
Finger 17:	3.983	-0.009	4.988	-0.006	5.991	-0.005	7.001	0.000
Finger 18:	3.987	-0.007	4.989	-0.006	5.988	-0.006	6.993	-0.004
Finger 19:	3.989	-0.006	4.988	-0.006	5.993	-0.003	6.992	-0.004
Finger 20:	3.986	-0.007	4.986	-0.007	5.995	-0.003	6.990	-0.005
Finger 21:	3.991	-0.005	4.986	-0.007	5.993	-0.004	6.993	-0.004
Finger 22:	3.985	-0.008	4.986	-0.007	5.988	-0.006	6.991	-0.004
Finger 23:	3.988	-0.006	4.991	-0.004	5.987	-0.006	6.997	-0.001
Finger 24:	3.987	-0.006	4.986	-0.007	5.993	-0.003	7.003	0.002
Finger 25:	3.997	-0.001	4.987	-0.006	5.986	-0.007	6.989	-0.006
Finger 26:	3.985	-0.007	4.986	-0.007	5.989	-0.005	6.995	-0.002
Finger 27:	3.988	-0.006	4.980	-0.010	5.986	-0.007	6.991	-0.004
Finger 28:	3.987	-0.007	4.992	-0.004	5.997	-0.002	6.998	-0.001
Finger 29:	3.994	-0.003	4.987	-0.006	5.995	-0.003	6.995	-0.002
Finger 30:	3.994	-0.003	4.990	-0.005	5.995	-0.002	6.995	-0.002
Finger 31:	3.997	-0.001	4.992	-0.004	5.994	-0.003	6.996	-0.002
Finger 32:	3.988	-0.006	4.984	-0.008	5.988	-0.006	6.993	-0.003
Finger 33:	3.982	-0.009	4.981	-0.010	5.991	-0.005	6.994	-0.003
Finger 34:	3.985	-0.008	4.987	-0.006	5.983	-0.009	6.992	-0.004
Finger 35:	3.993	-0.003	4.991	-0.004	5.995	-0.003	6.993	-0.004
Finger 36:	3.985	-0.007	4.981	-0.010	5.987	-0.007	6.994	-0.003
Finger 37:	3.982	-0.009	4.985	-0.007	5.986	-0.007	6.996	-0.002
Finger 38:	3.989	-0.006	4.990	-0.005	5.994	-0.003	7.000	0.000
Finger 39:	3.975	-0.013	4.973	-0.013	5.979	-0.011	6.988	-0.006

Finger 40:	3.989	-0.006	4.989	-0.005	5.992	-0.004	6.993	-0.003
Average:	3.988	-0.006	4.987	-0.007	5.990	-0.005	6.994	-0.003

Segmented Cement Bond Log Calibration Report								
Serial Number:			1066					
Tool Model:			UW_RBT_004					
Calibration Casing Diameter:			4.500	in				
Calibration Depth:			7268.788	ft				

Master Calibration, performed Tue Jul 01 10:44:57 2014:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3FT	0.003	0.976	0.800	81.196	82.624	0.589	
5FT	-0.004	0.639	0.800	81.196	125.068	1.258	
S1	-0.000	0.966	0.000	100.000	103.505	0.025	
S2	-0.001	1.022	0.000	100.000	97.687	0.119	
S3	-0.001	1.040	0.000	100.000	96.047	0.117	
S4	-0.002	1.031	0.000	100.000	96.882	0.157	
S5	0.000	0.987	0.000	100.000	101.353	0.000	
S6	-0.001	0.950	0.000	100.000	105.124	0.128	
S7	-0.001	0.944	0.000	100.000	105.791	0.129	
S8	-0.001	0.941	0.000	100.000	106.125	0.126	

Gamma Ray Calibration Report			
Serial Number:		211727	
Tool Model:		UW_PGR_020	
Performed:		Sun Jun 13 13:33:21 1993	
Calibrator Value:		1.0	GAPI
Background Reading:		0.0	cps
Calibrator Reading:		1.0	cps
Sensitivity:		1.0000	GAPI/cps

	Company	Kerr-McGee Oil & Gas Onshore, L.P.
	Well	Deepe 34C-27HZ
	Field	Wattenberg
	County	Weld
	State	Colorado