



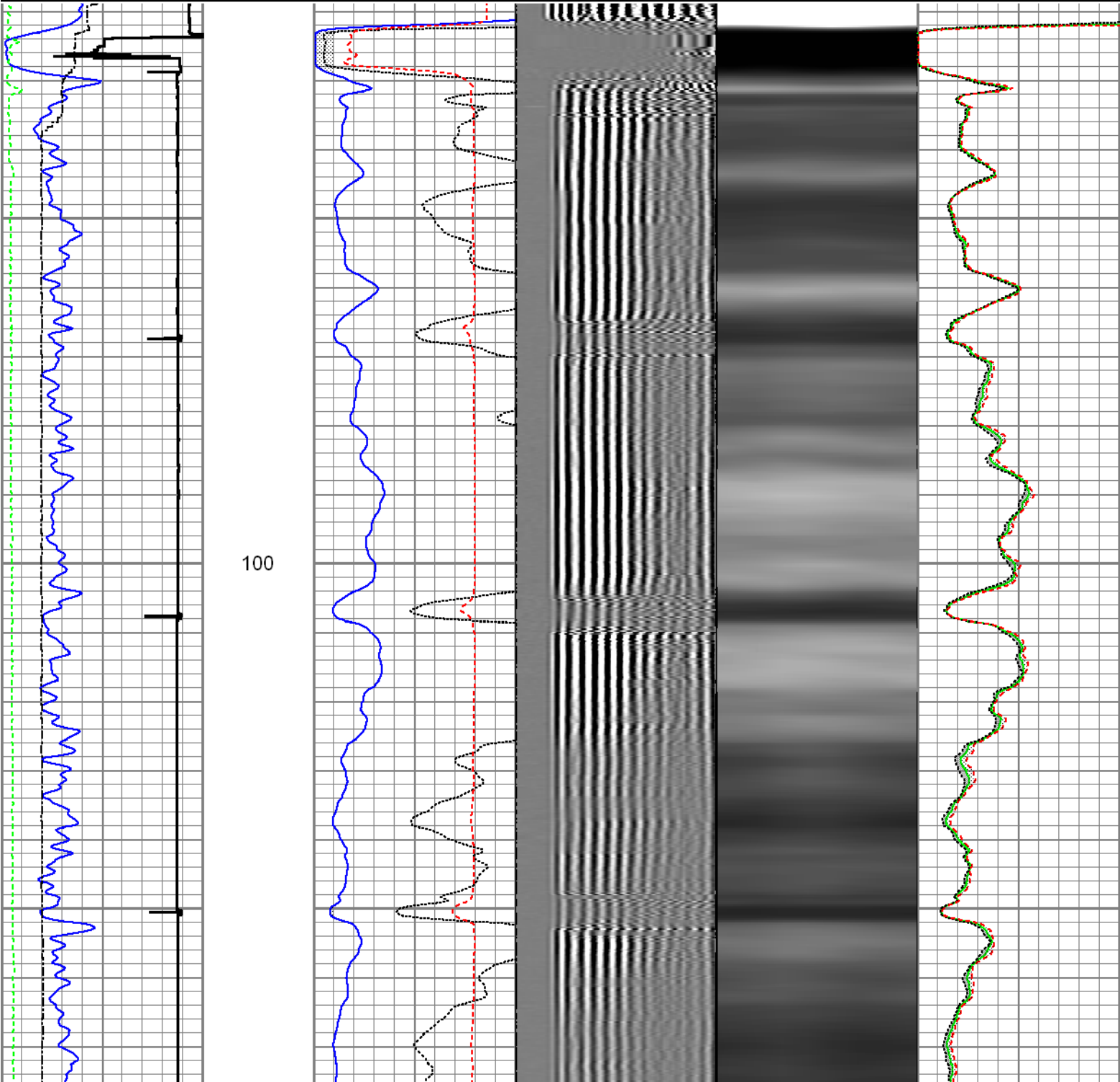
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 6666 FT. Adjusted log + 2 FT to correlate with Liner Top. Gauge Ring / Junk Basket run to 7540 FT had no debris found Log ran from as deep as possible in heel to surface. Log ran with 2800 PSI surface induced pressure.  Thank you for choosing FMC Technologies Completion Services, Inc.!!

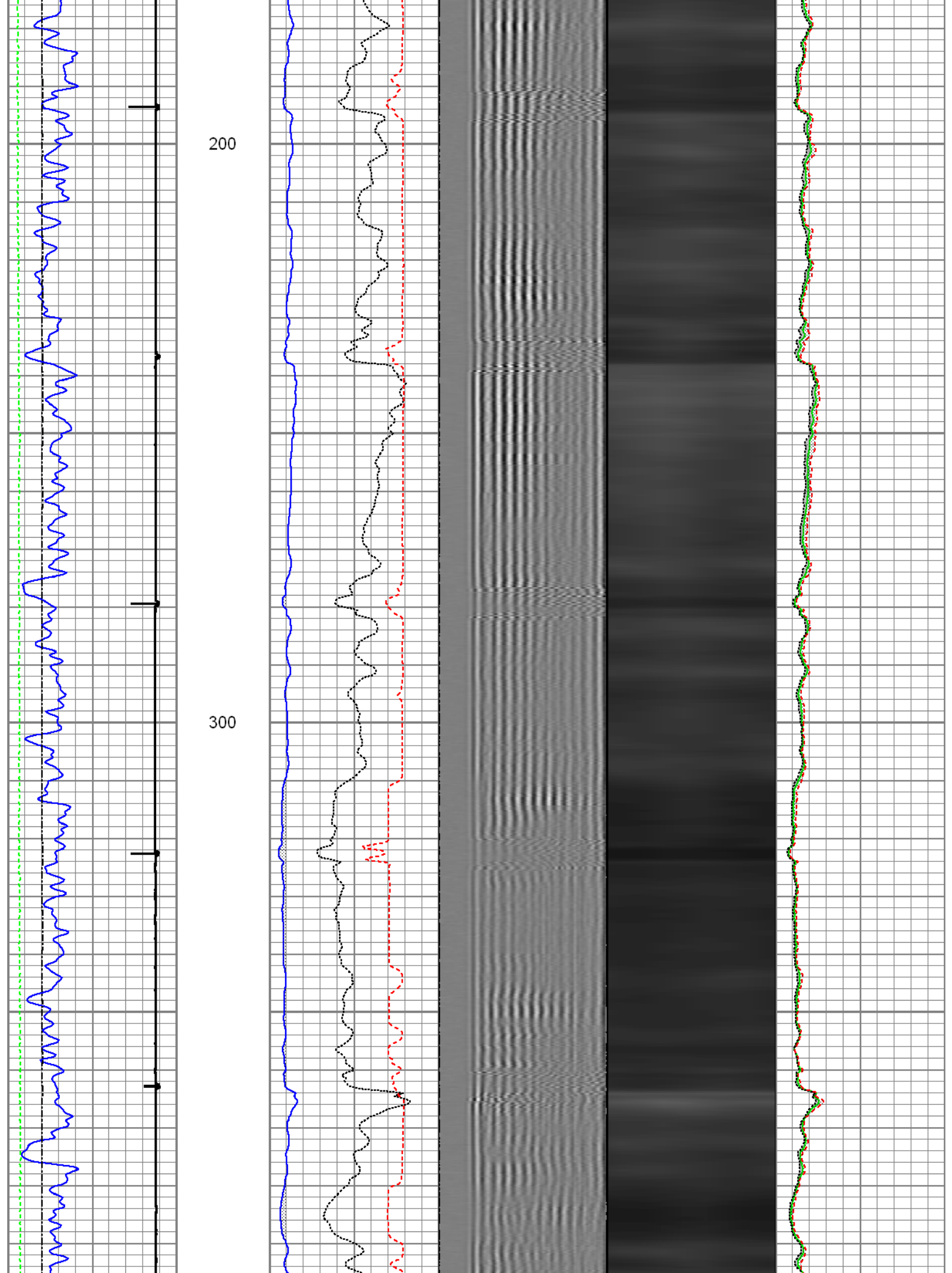


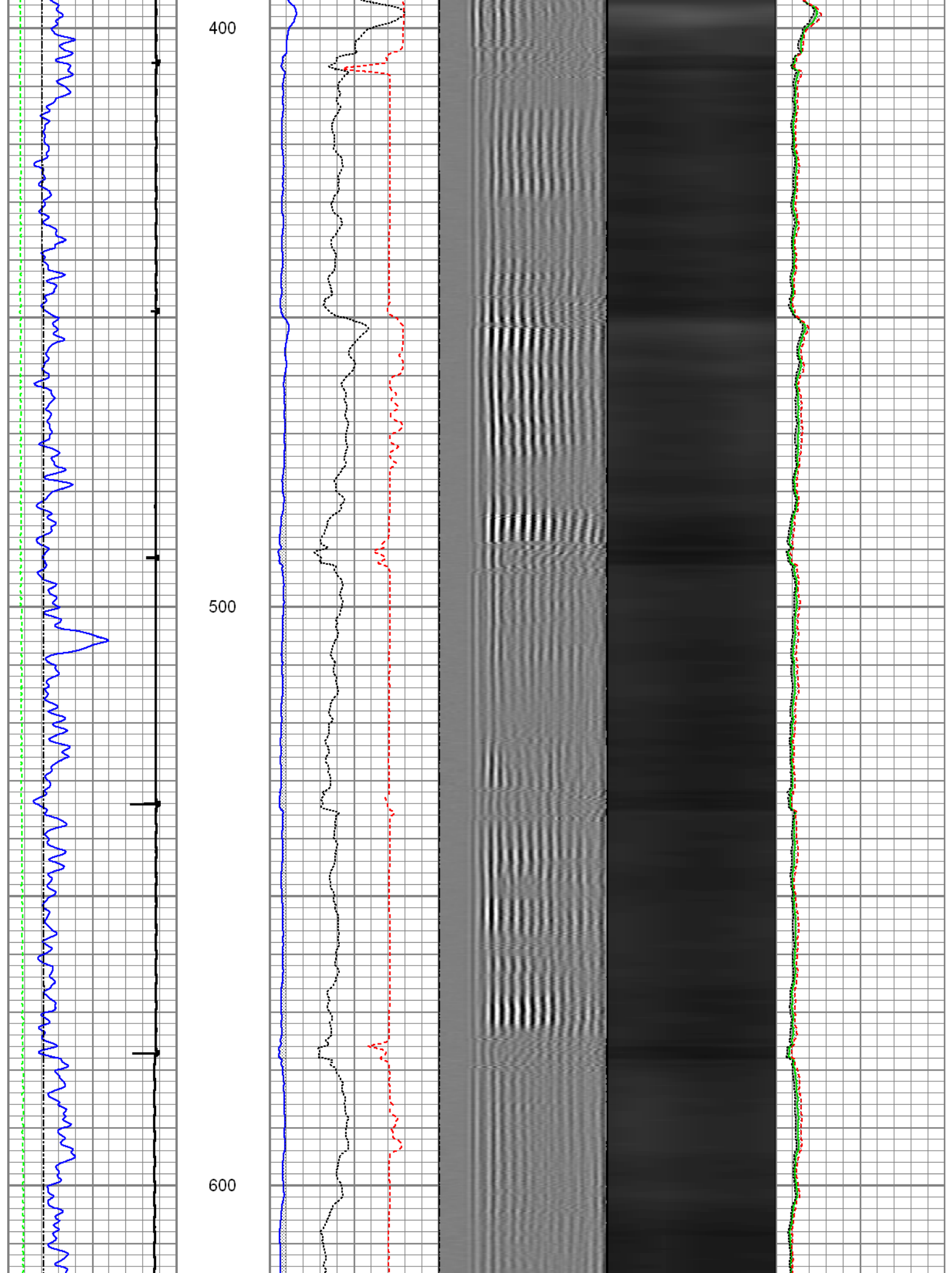
Log Ran under 2800 PSI surface induced pressure.

Database File: 0512339329\_anadarko\_dugite 13n-35hz\_08-09-14\_mit\_rbl.db  
Dataset Pathname: main4.5.3  
Presentation Format: rbt4\_mit  
Dataset Creation: Sat Aug 09 10:47:37 2014 by Log SCH 111116  
Charted by: Depth in Feet scaled 1:240

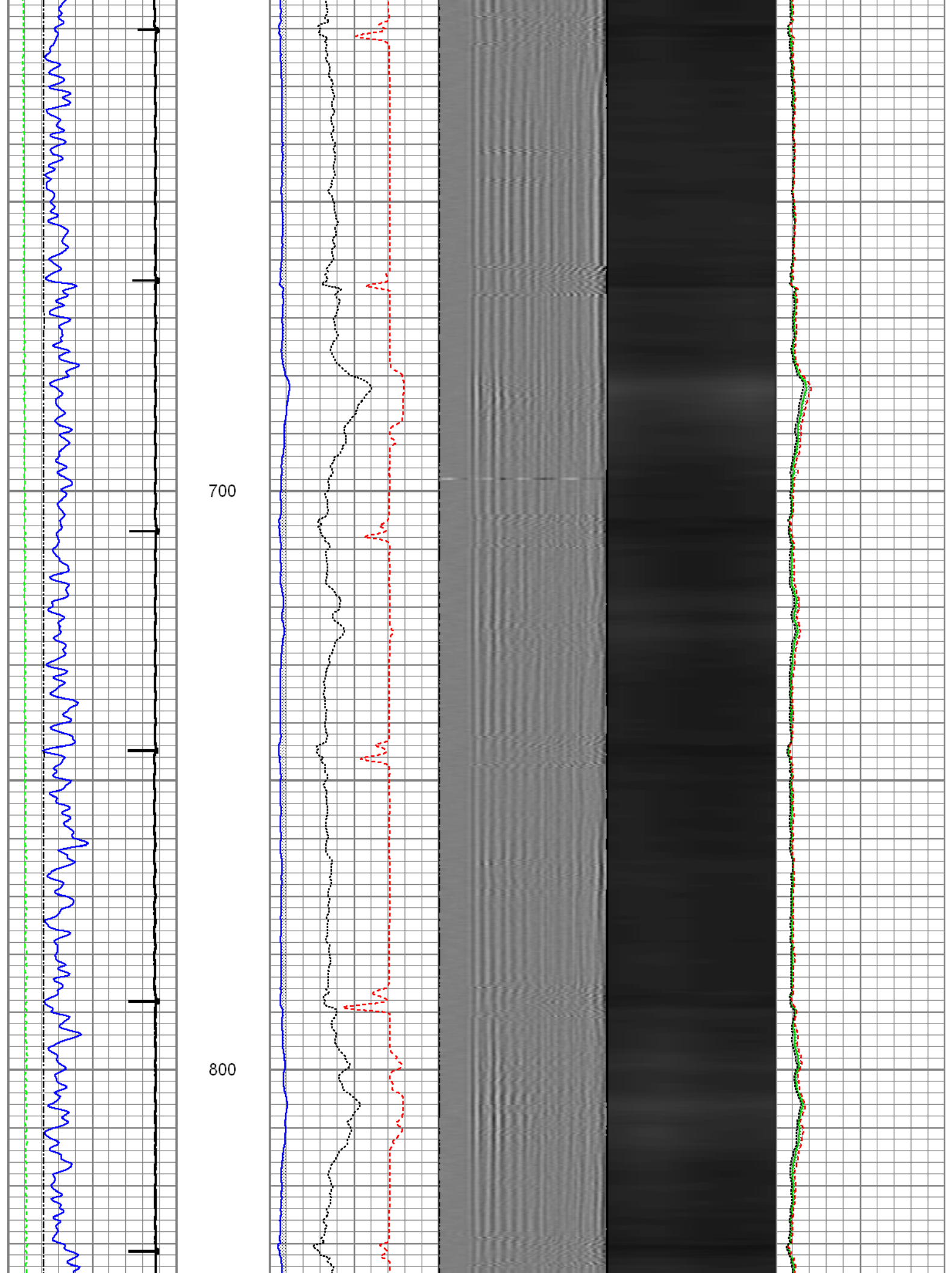
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

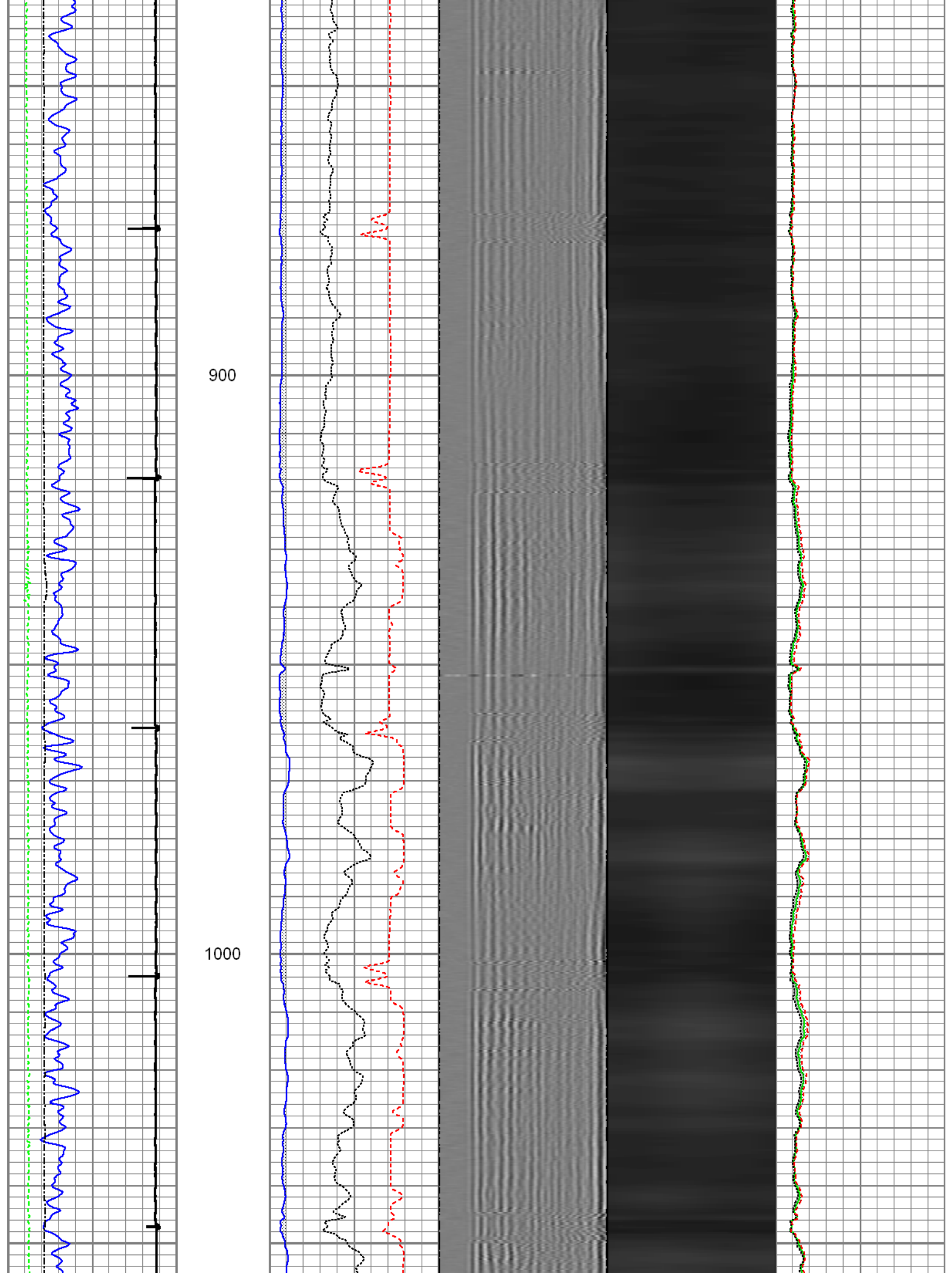


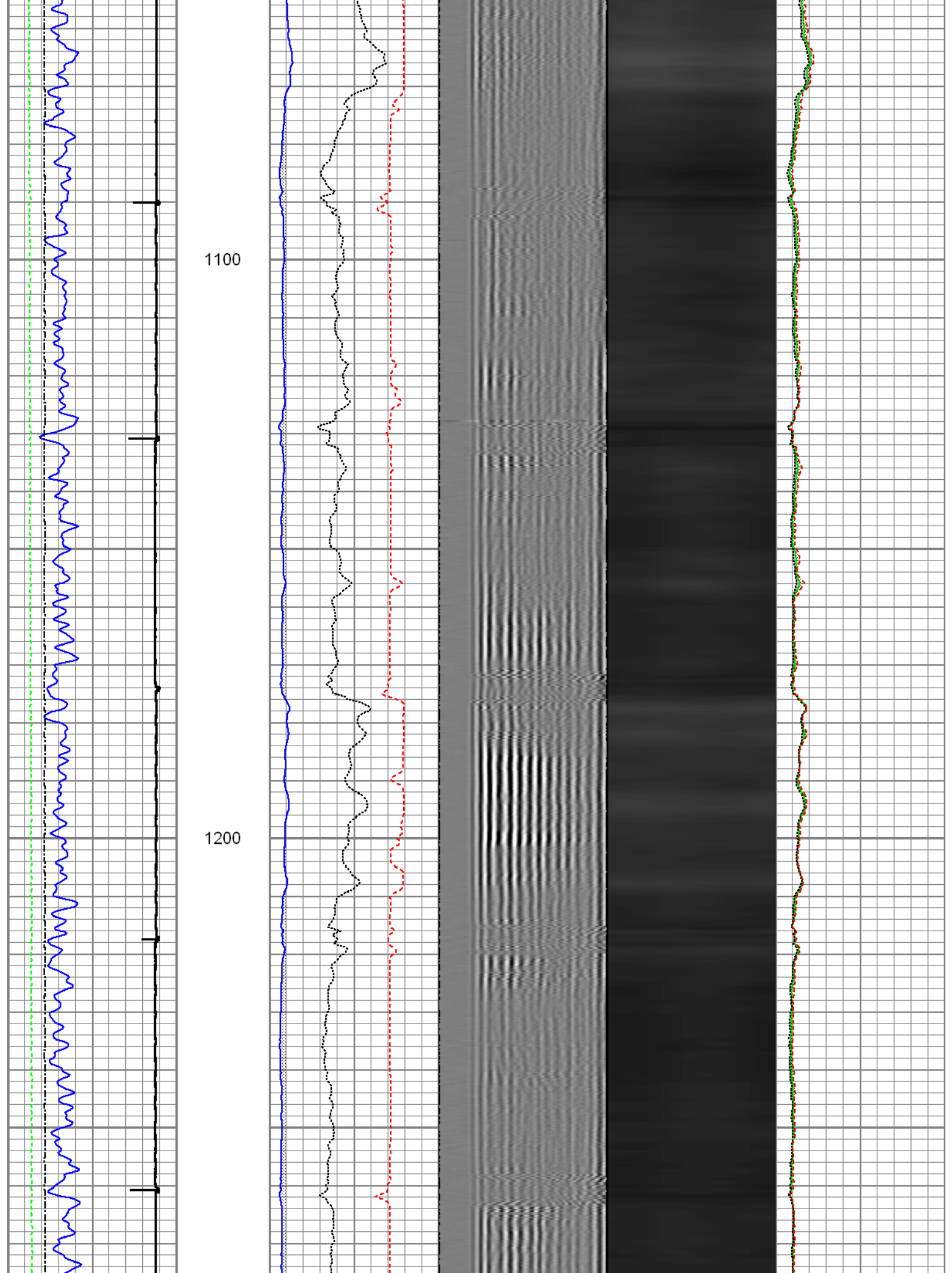


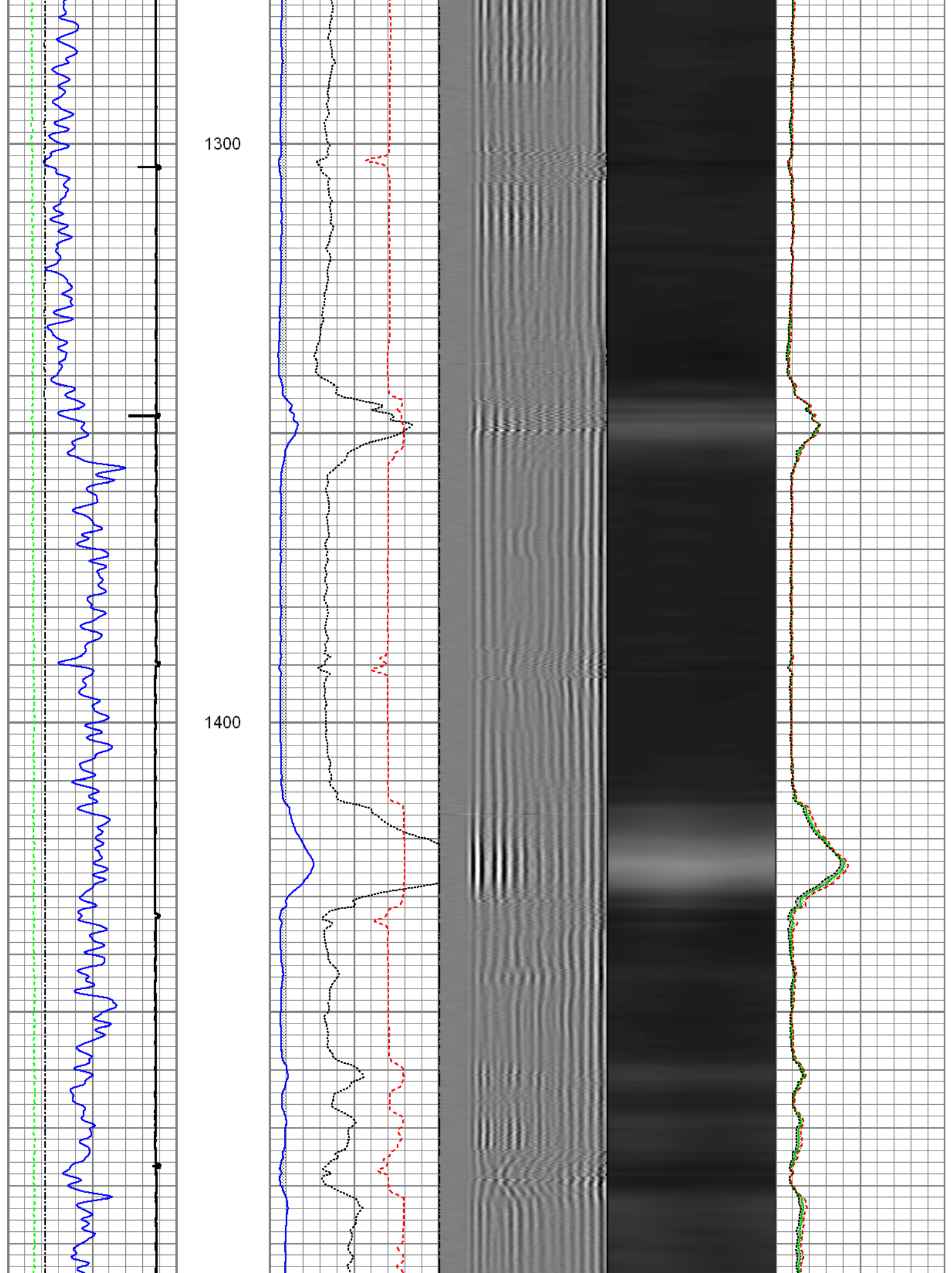


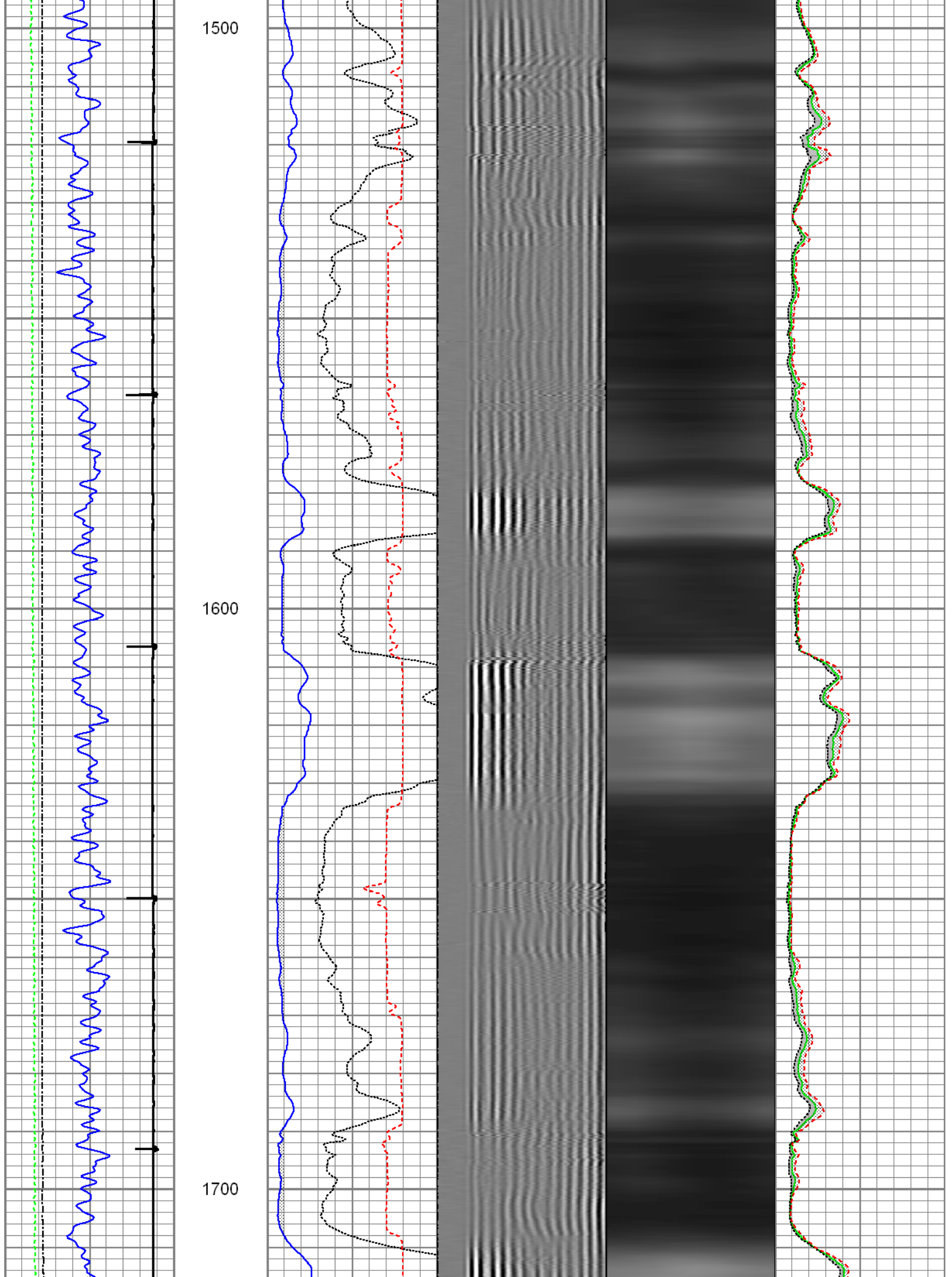




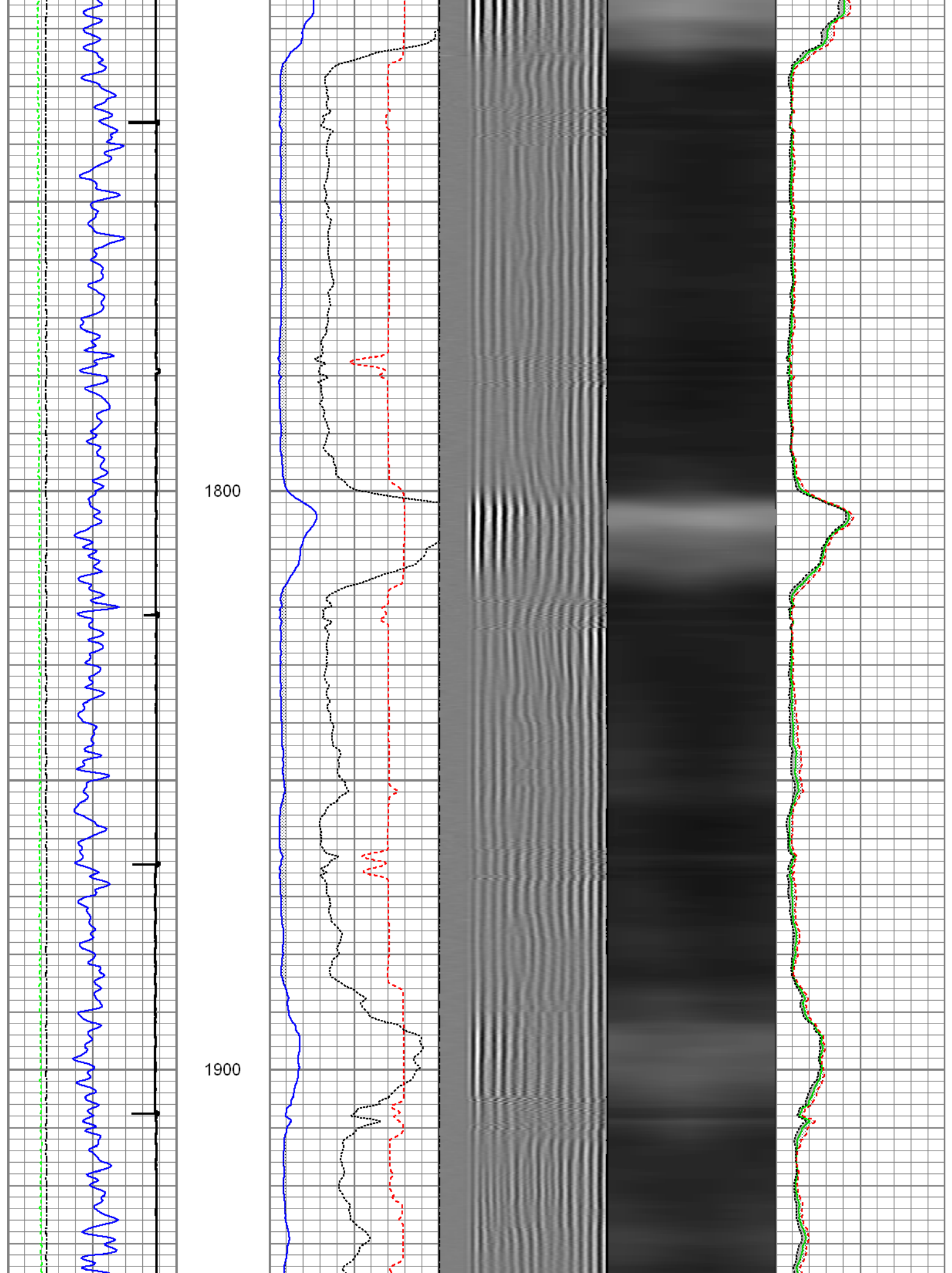


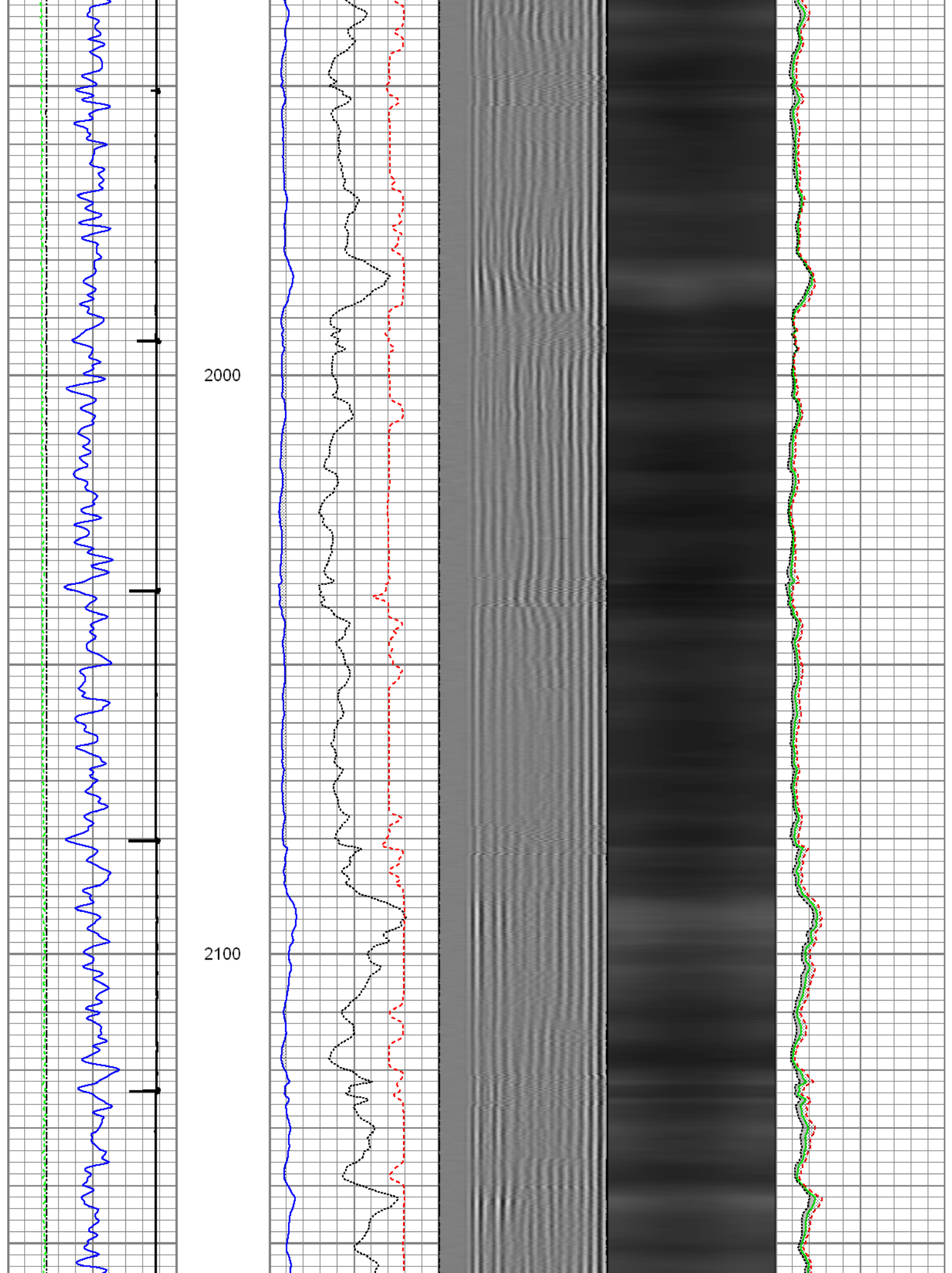






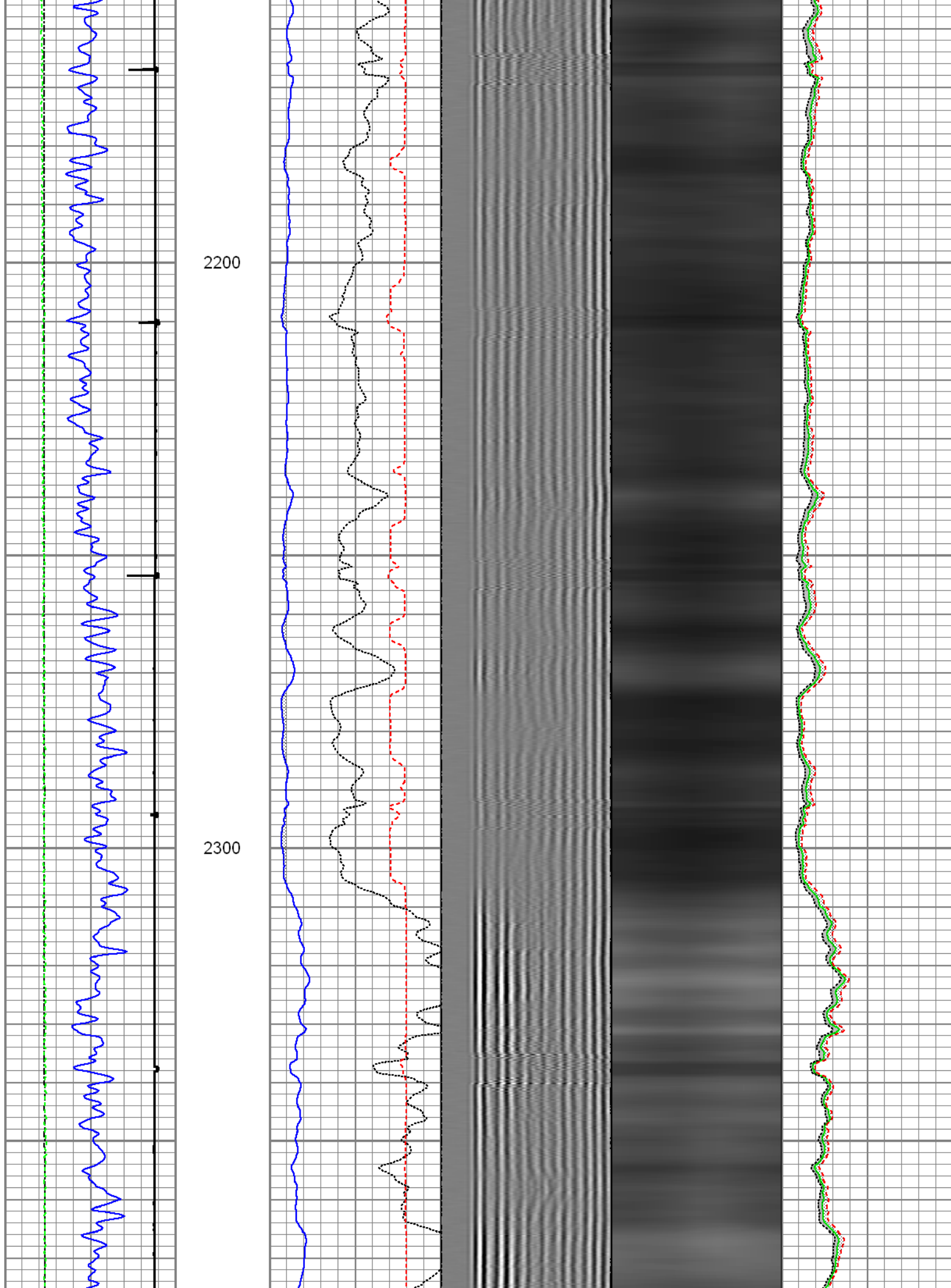






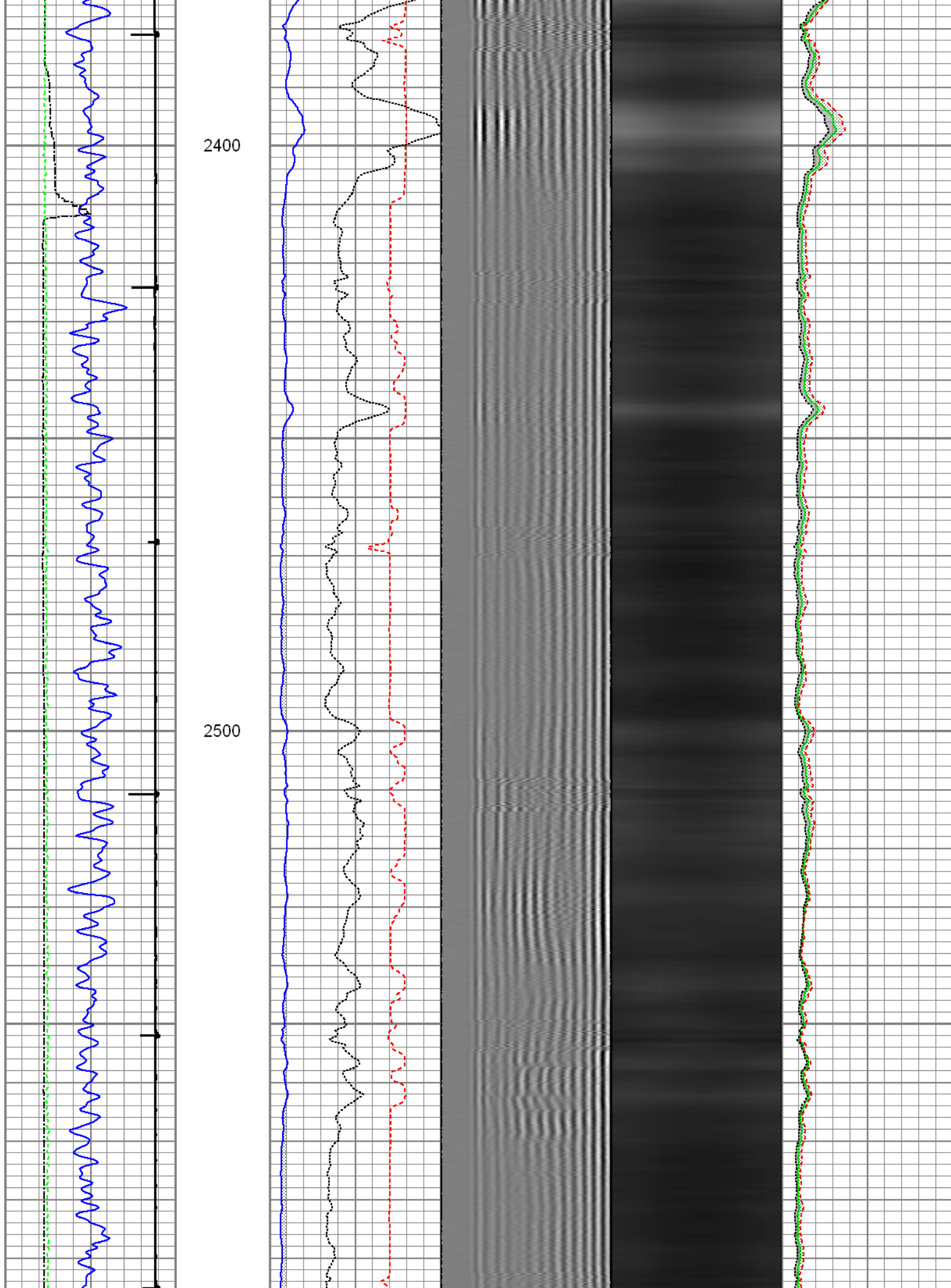
2200

2300



2400

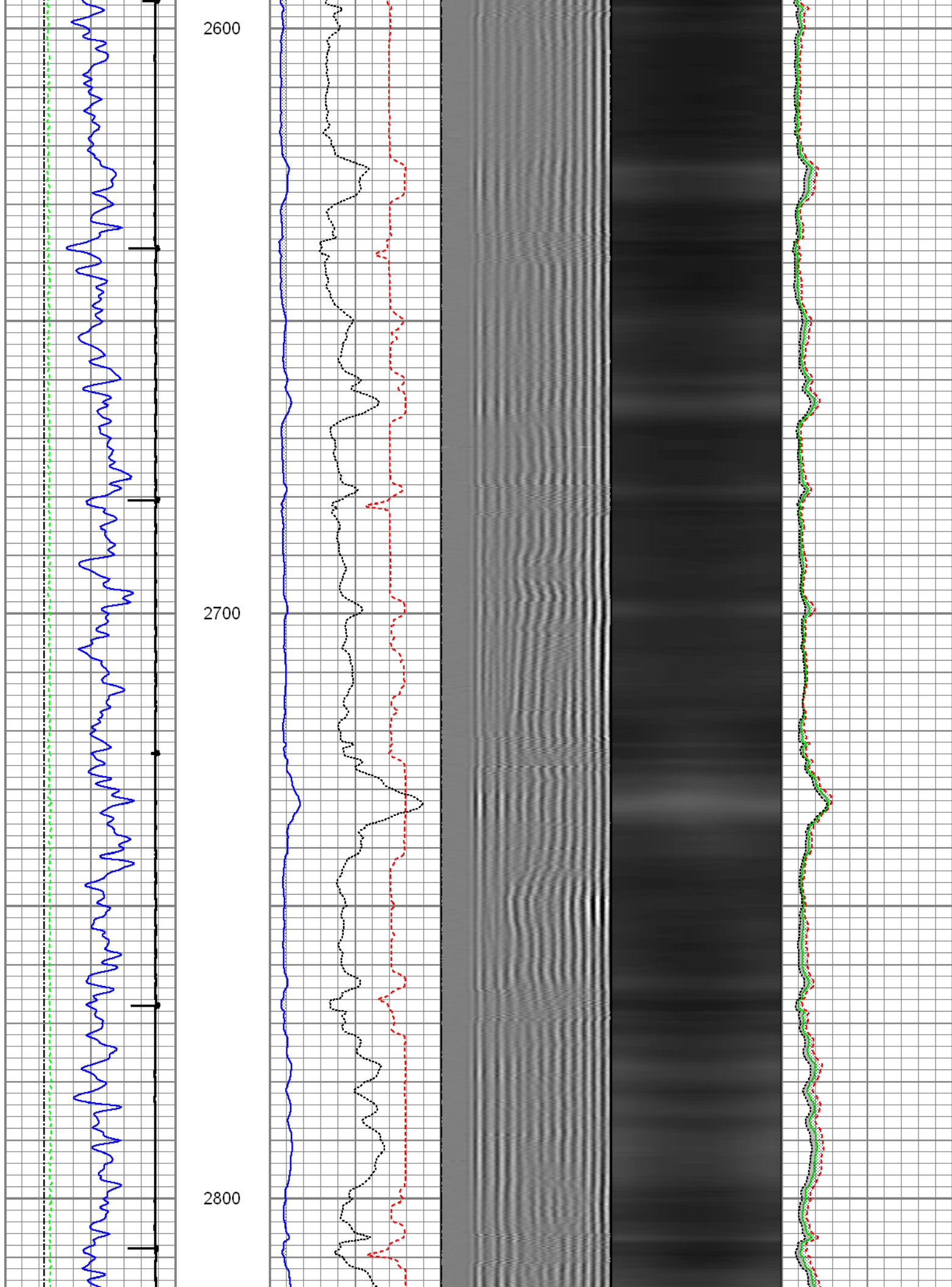
2500



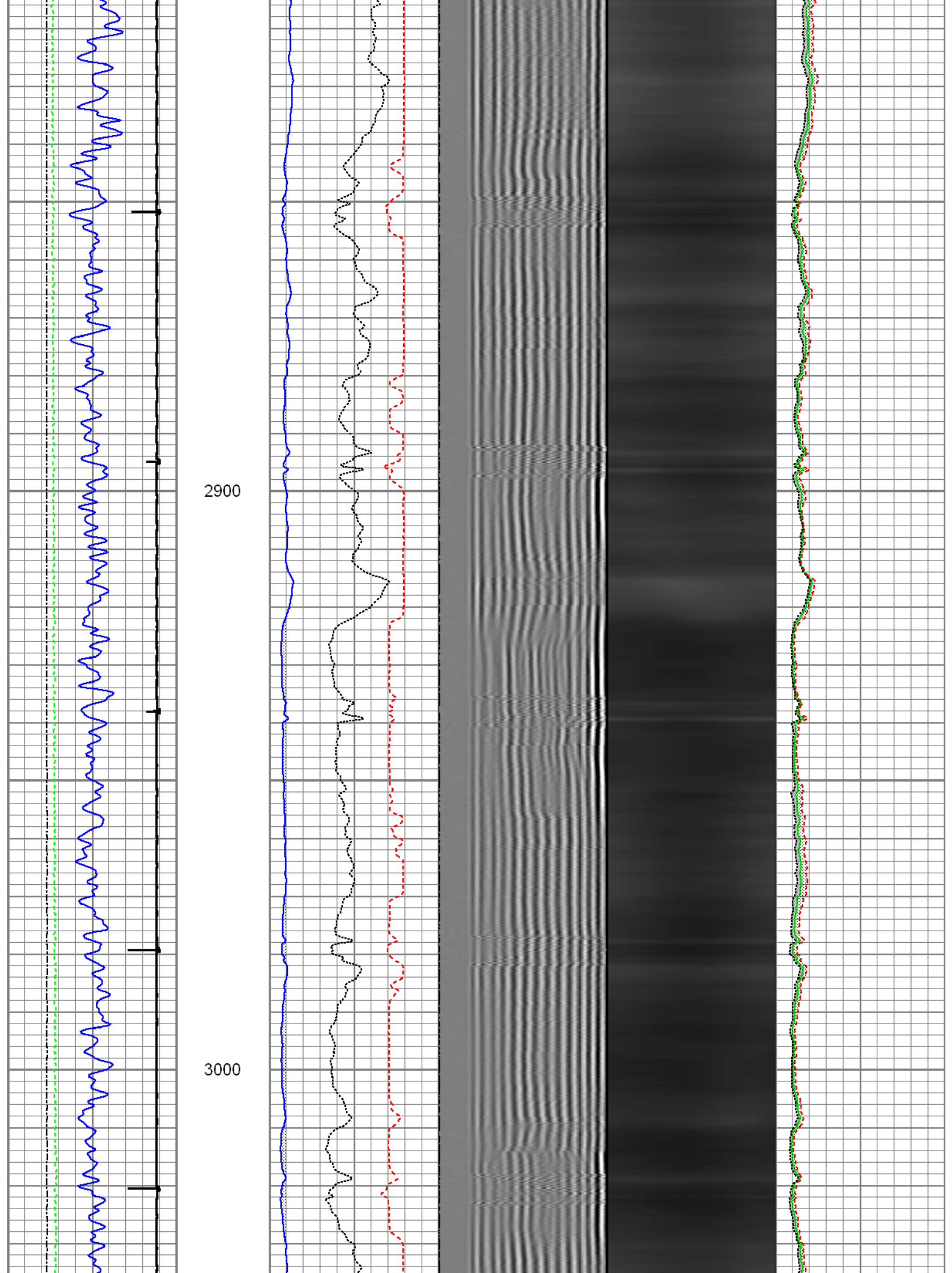
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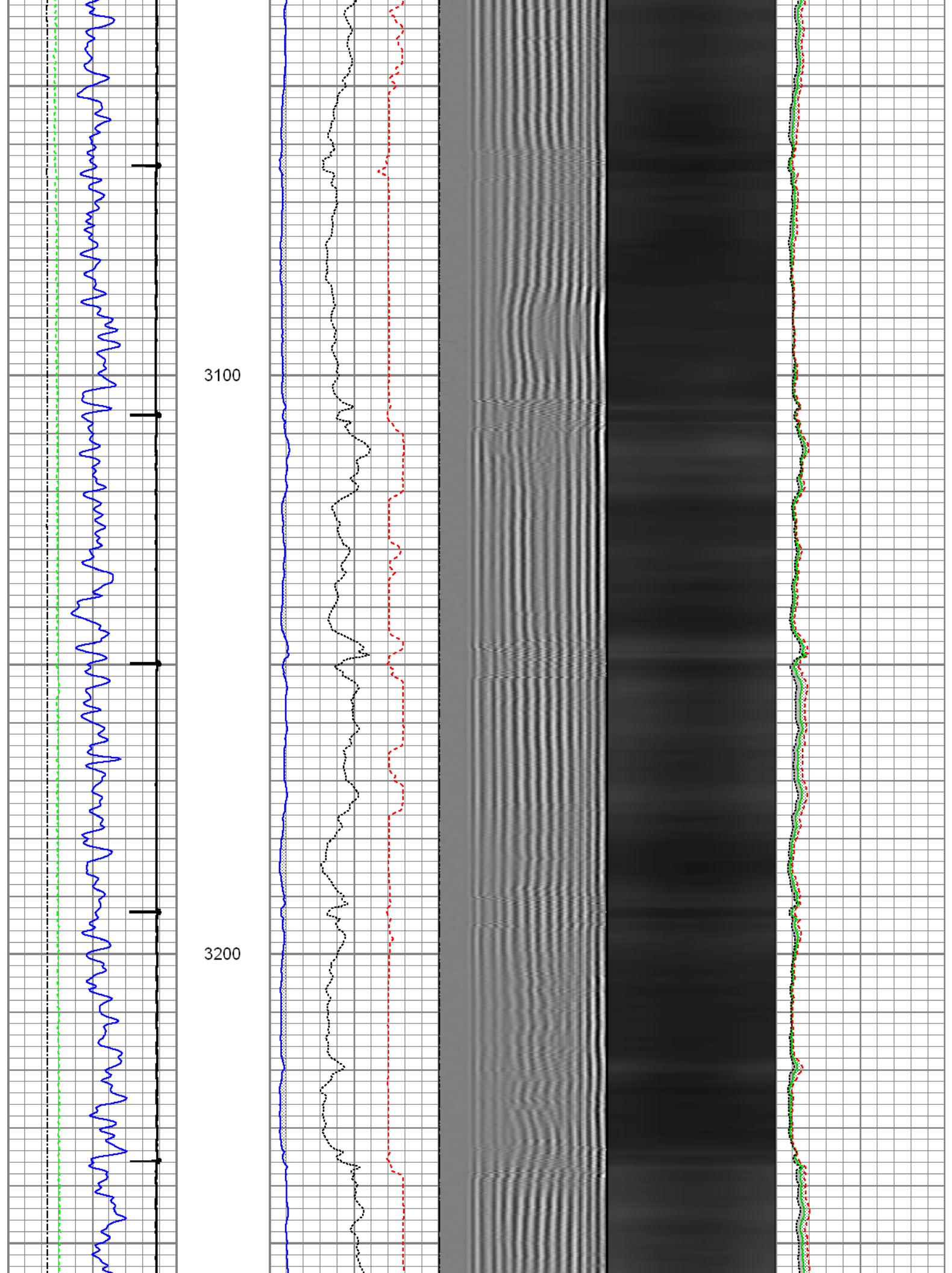
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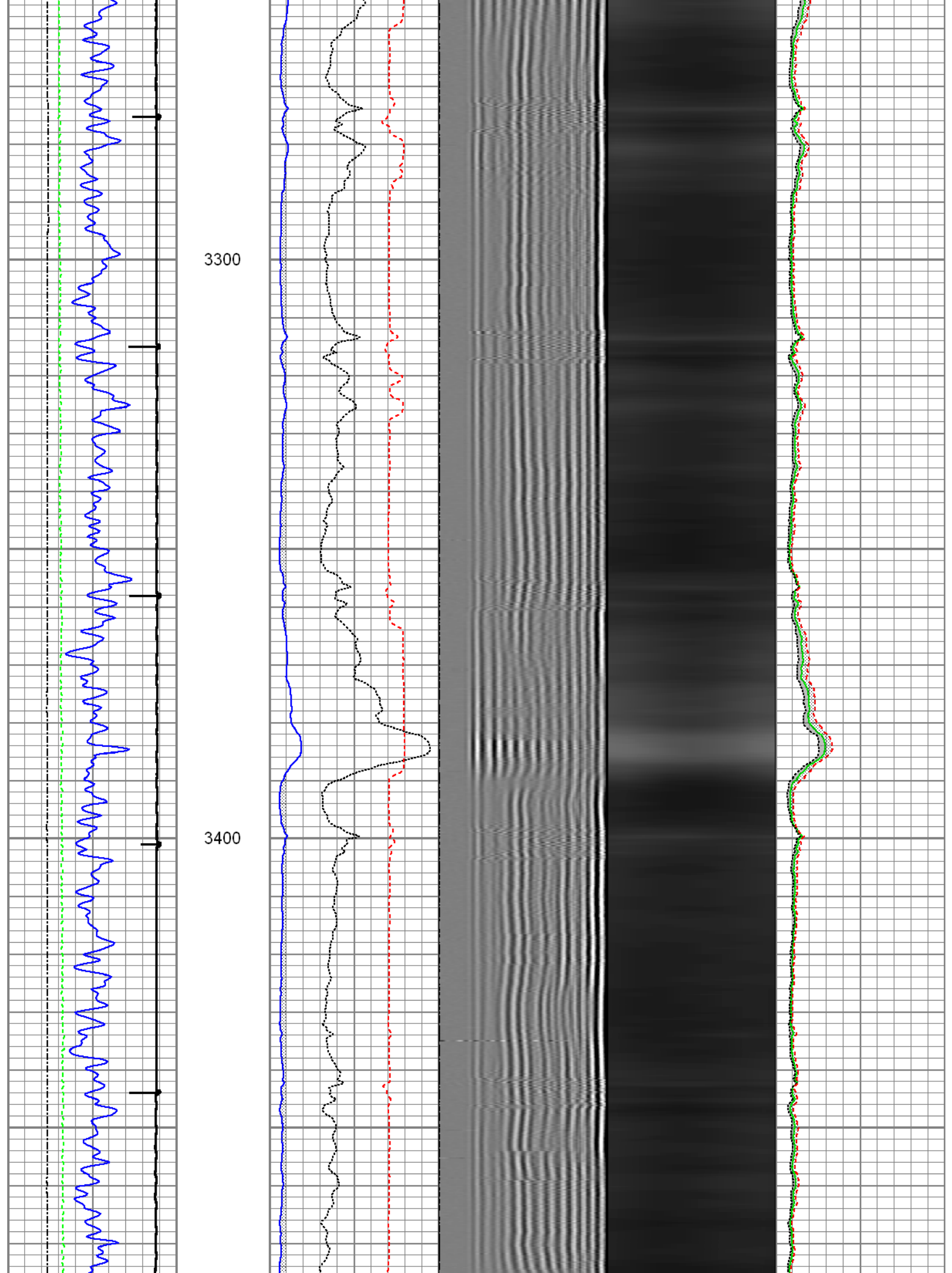
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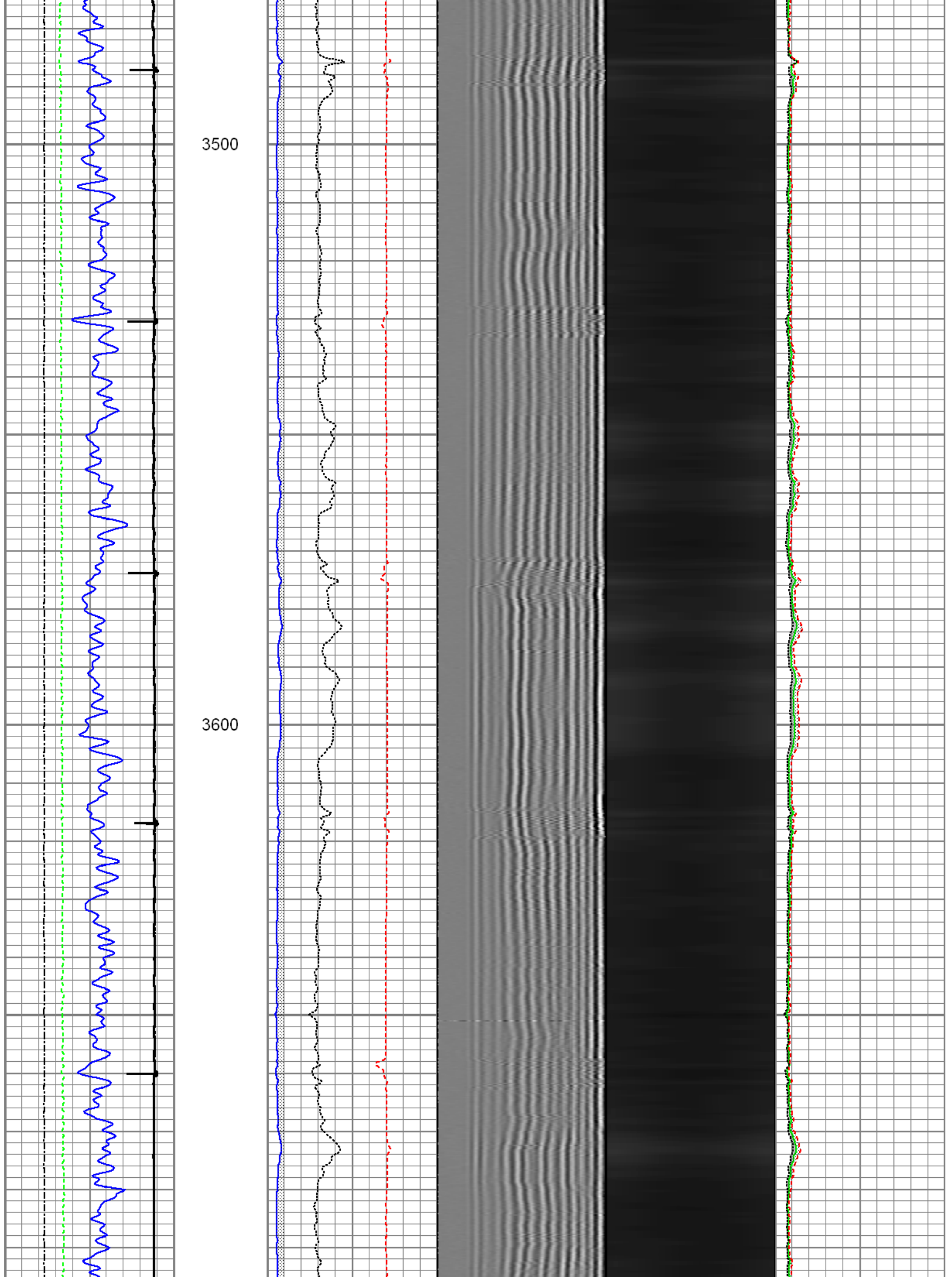


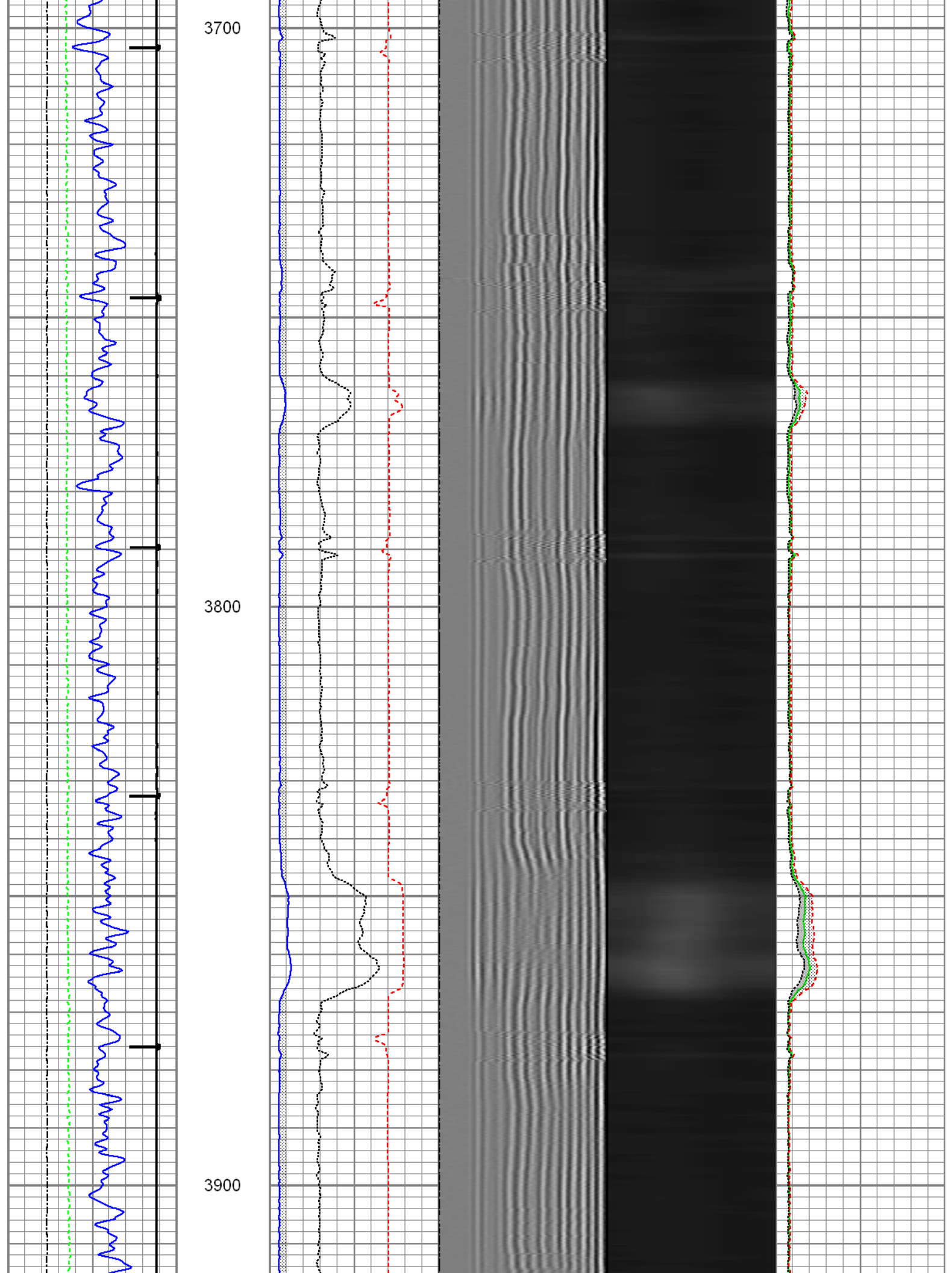




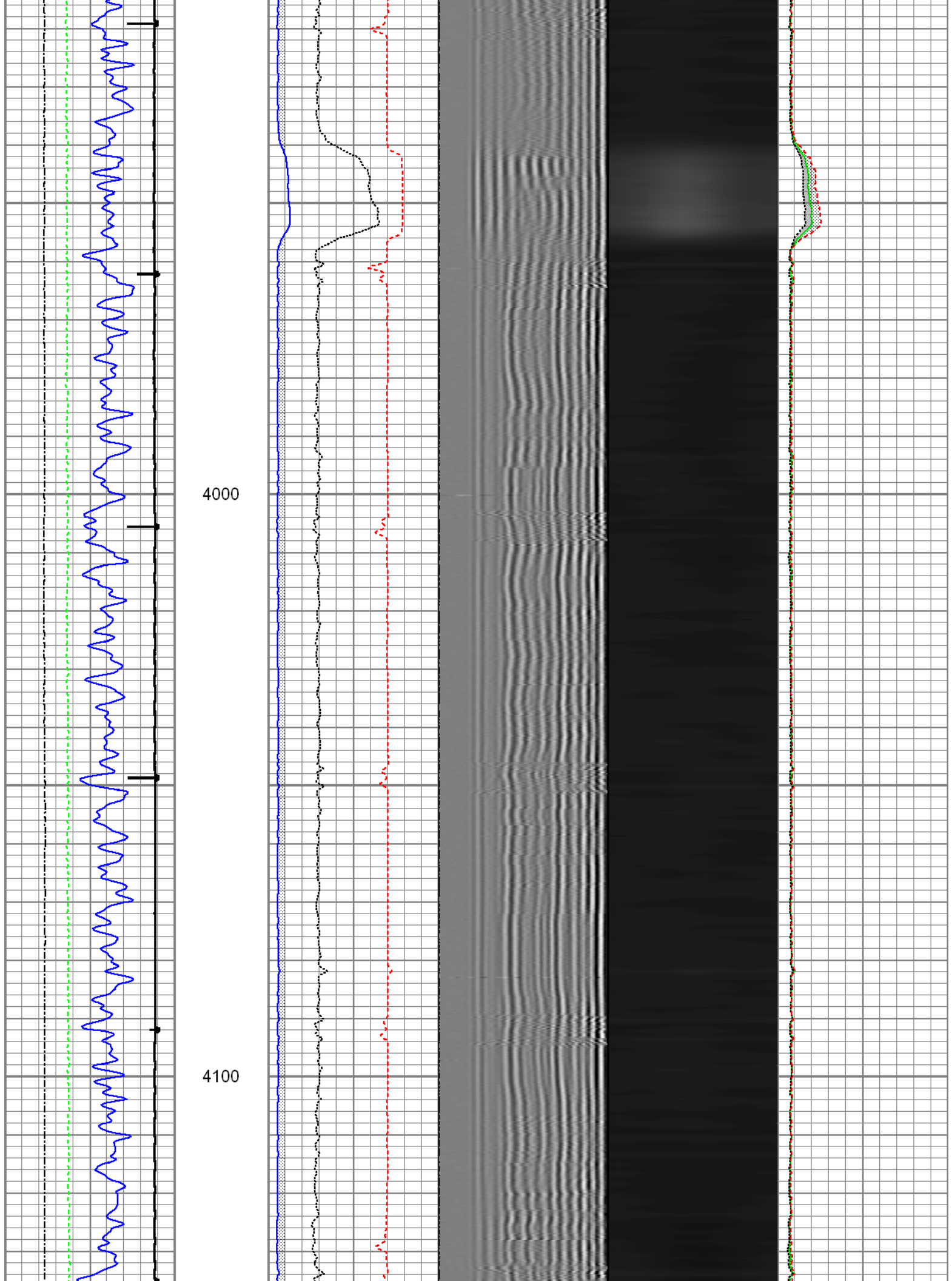


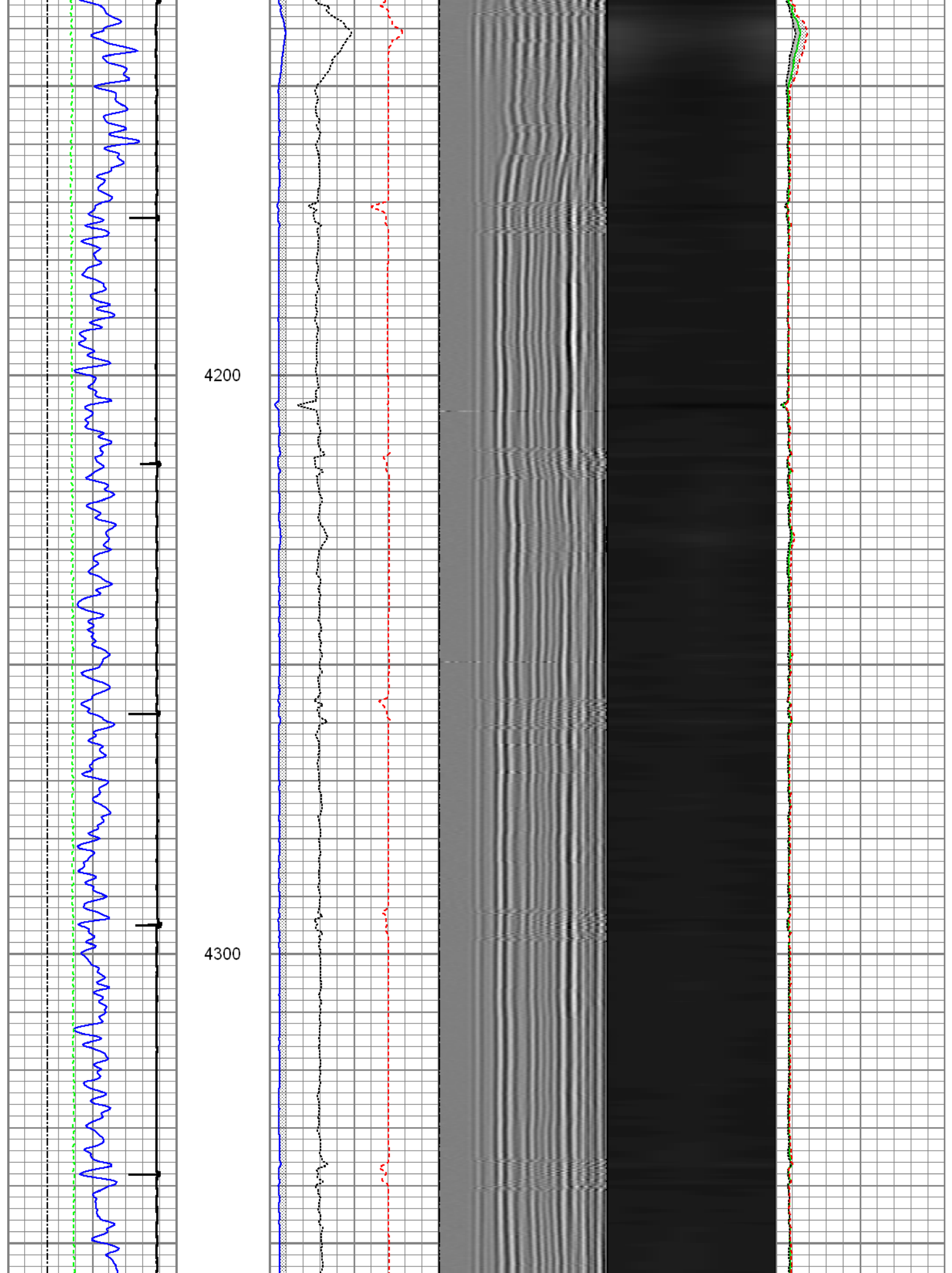


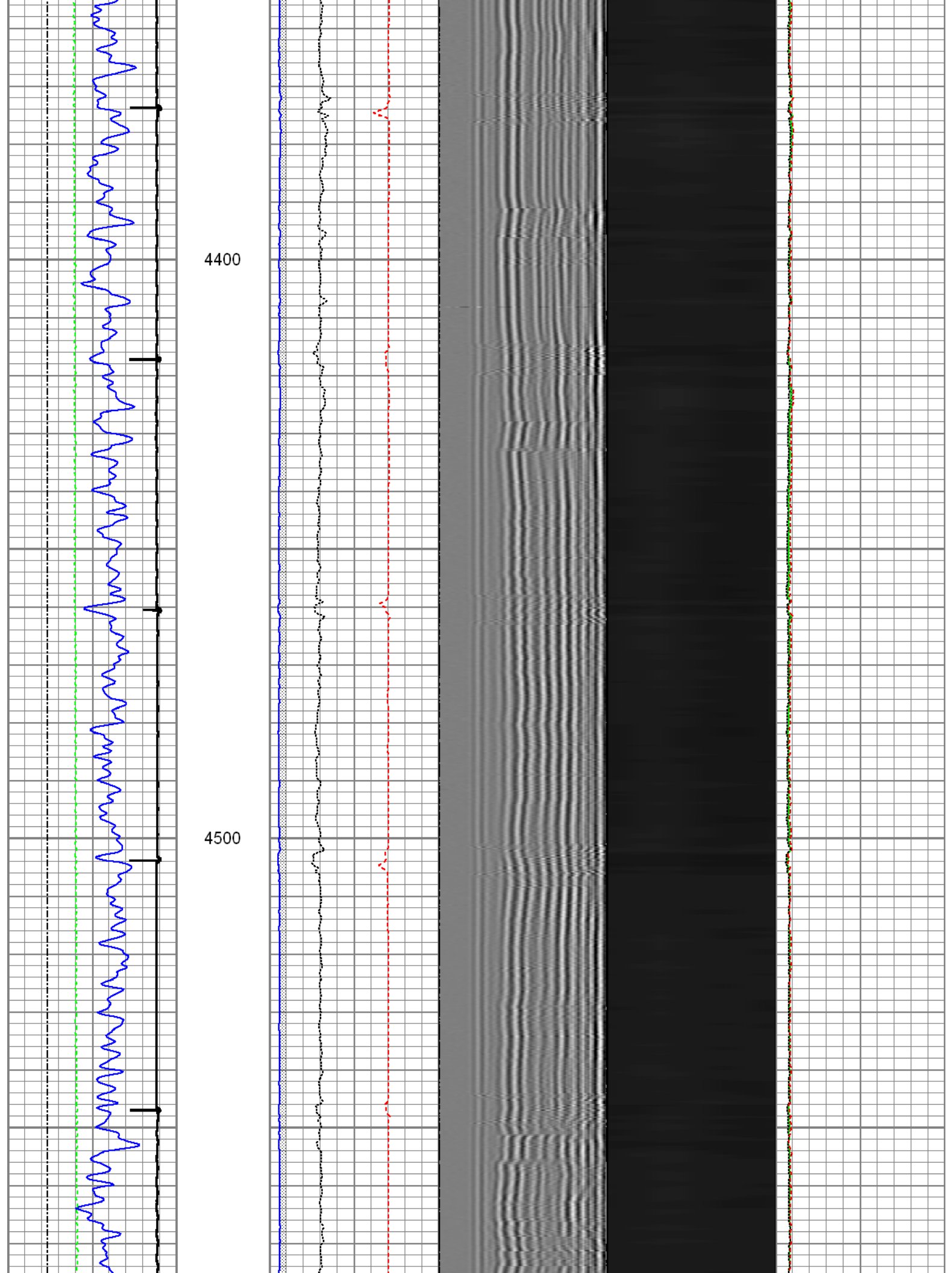


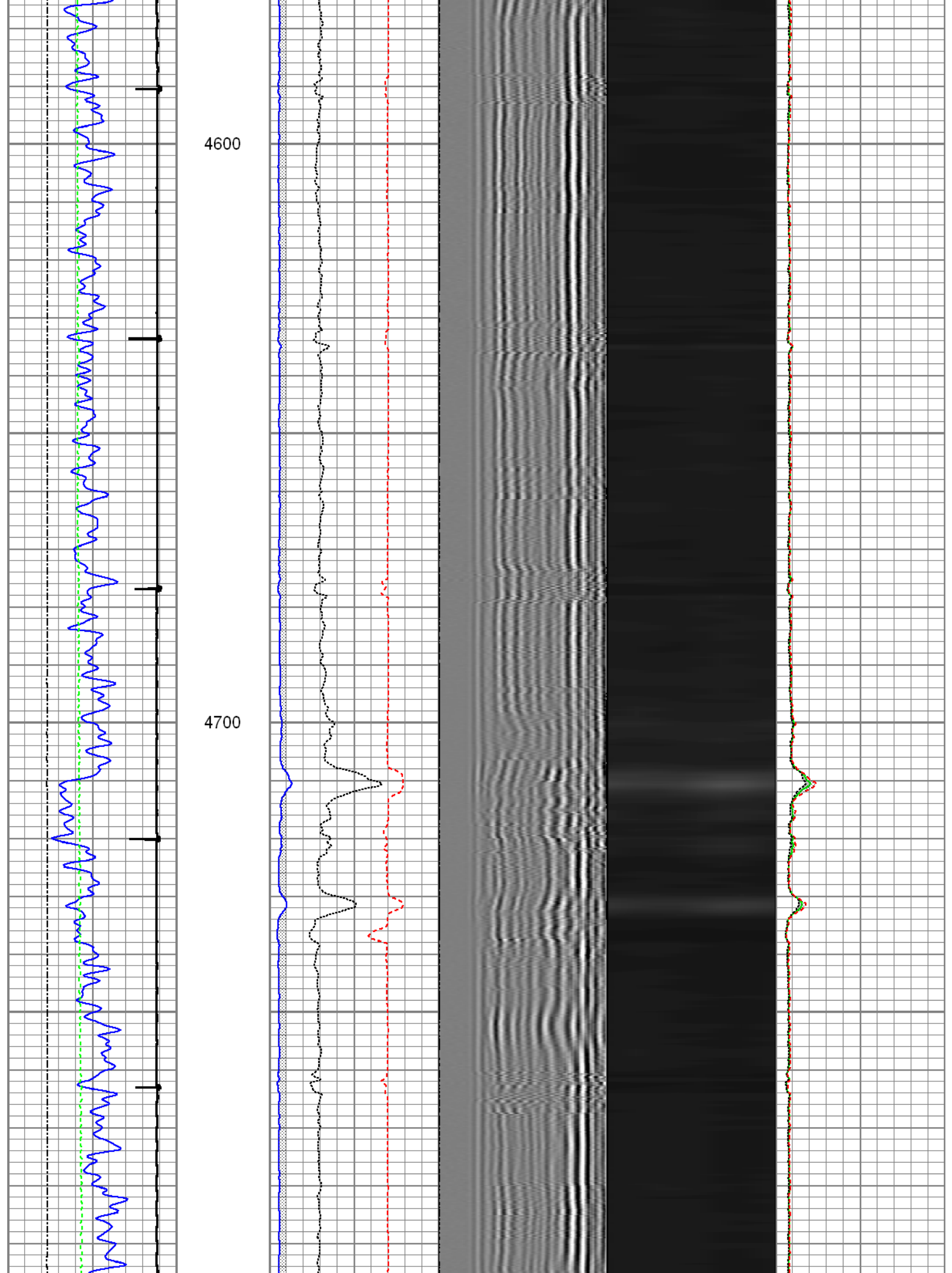








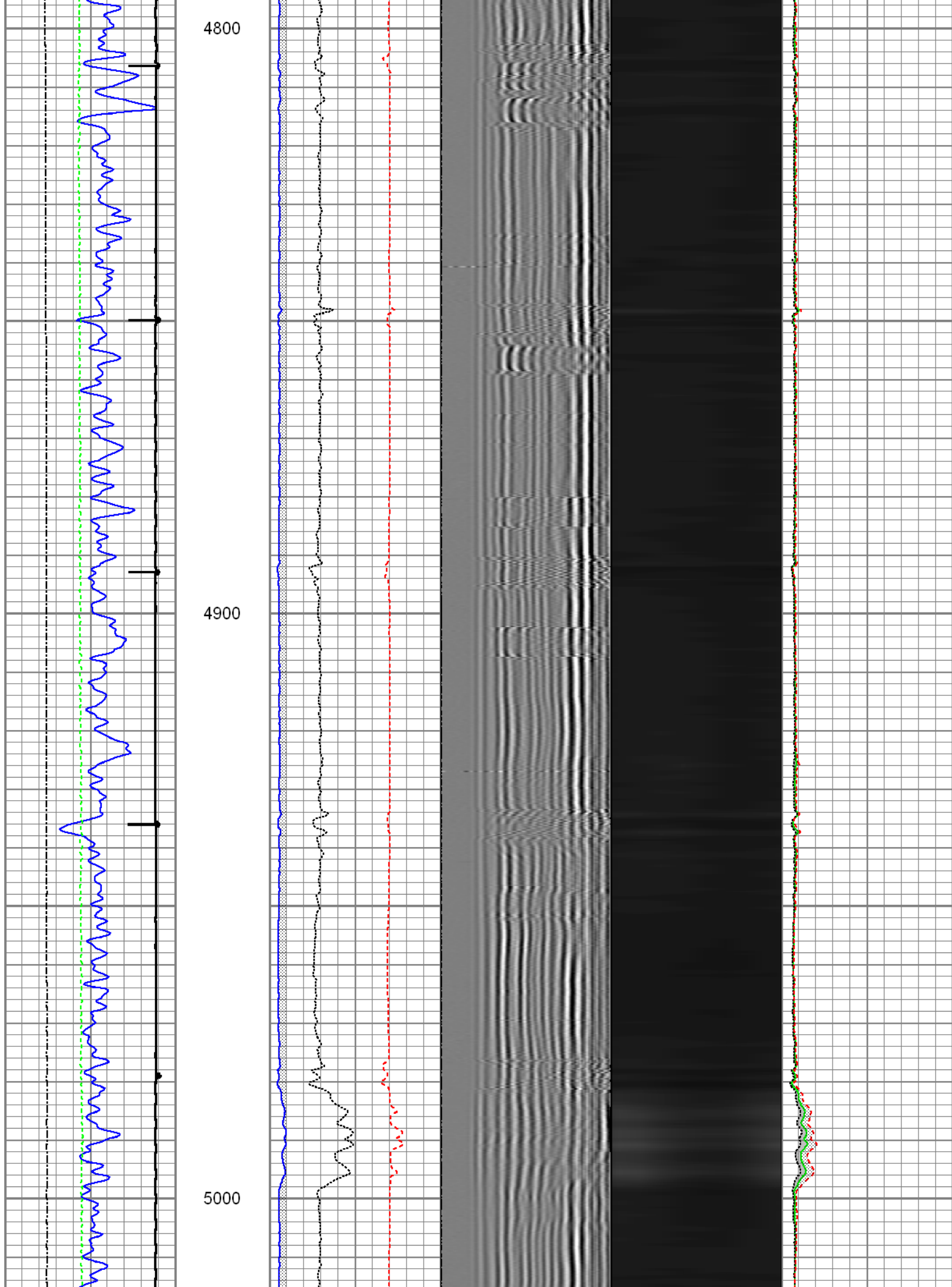




4800

4900

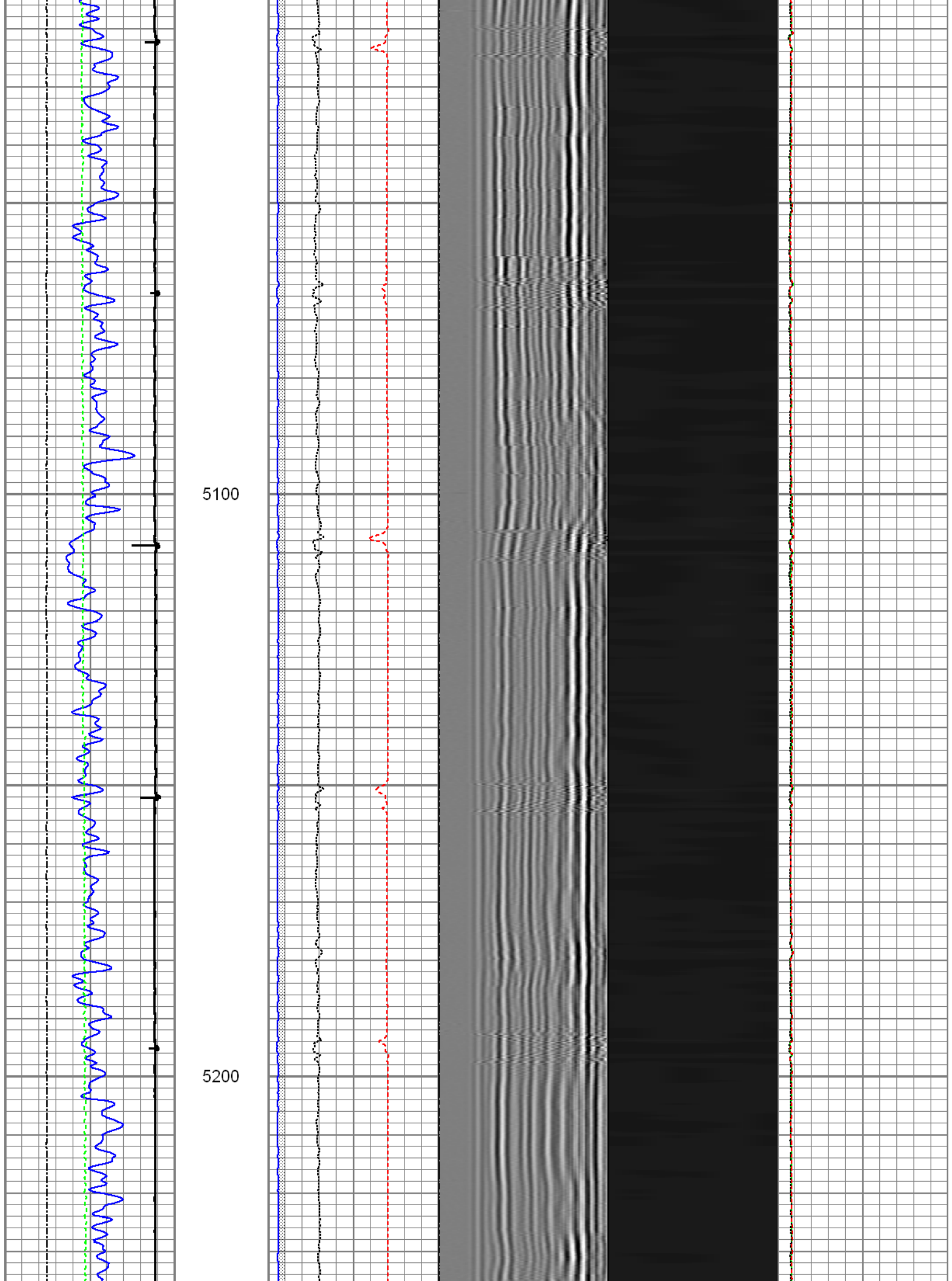
5000

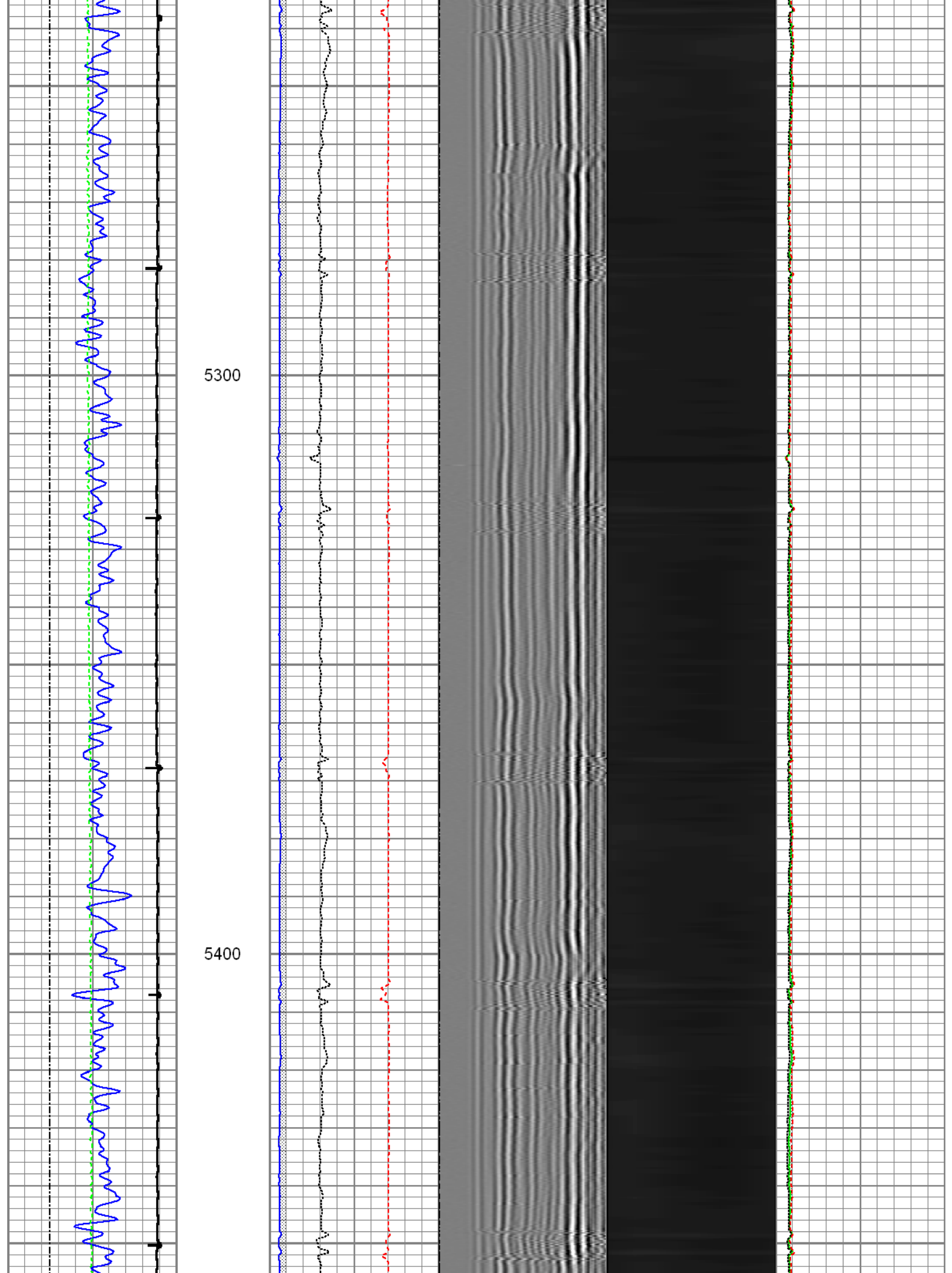


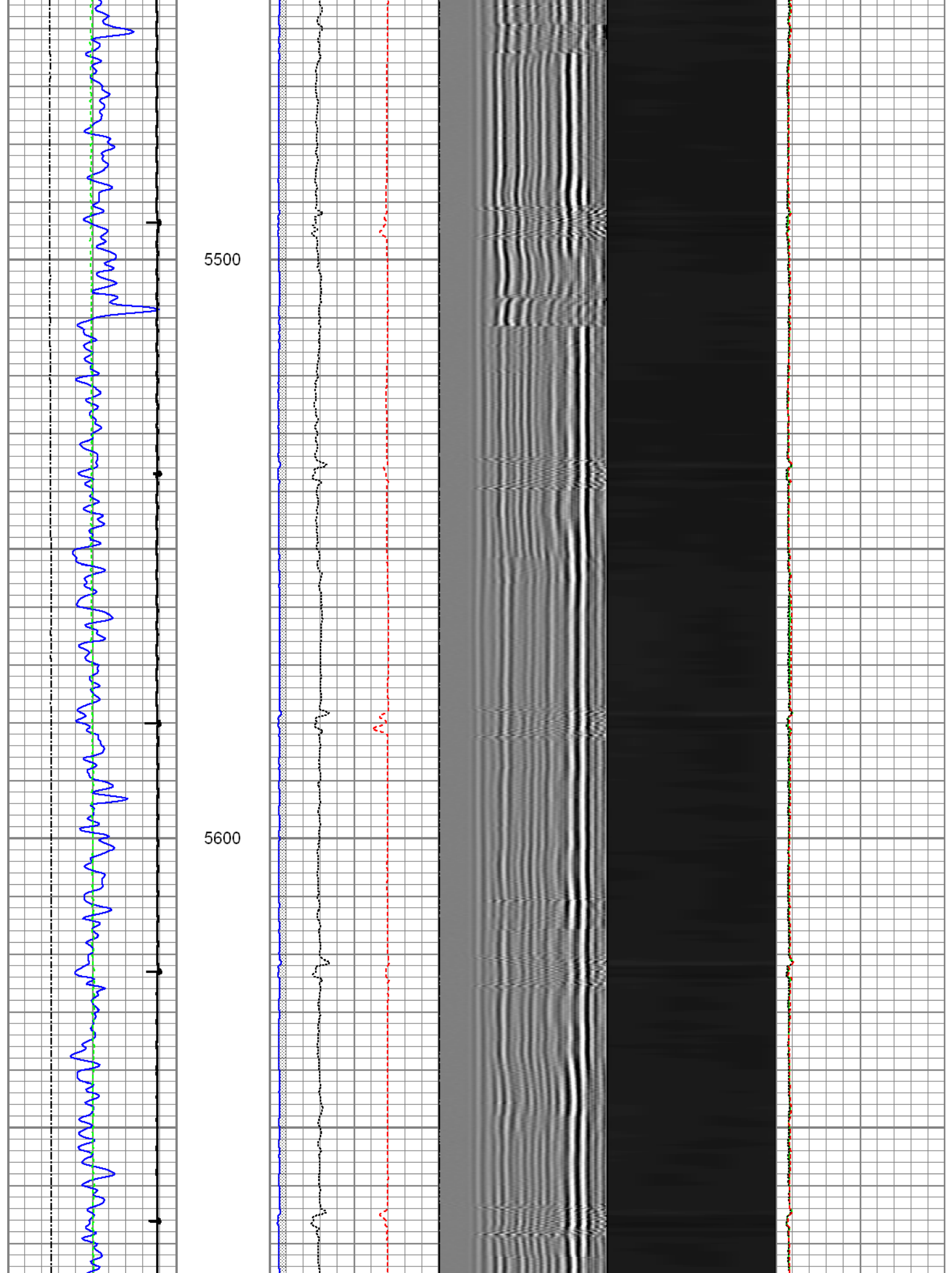


5100

5200

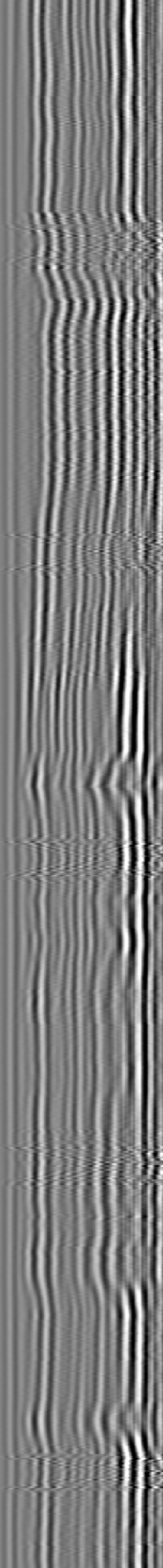






5700

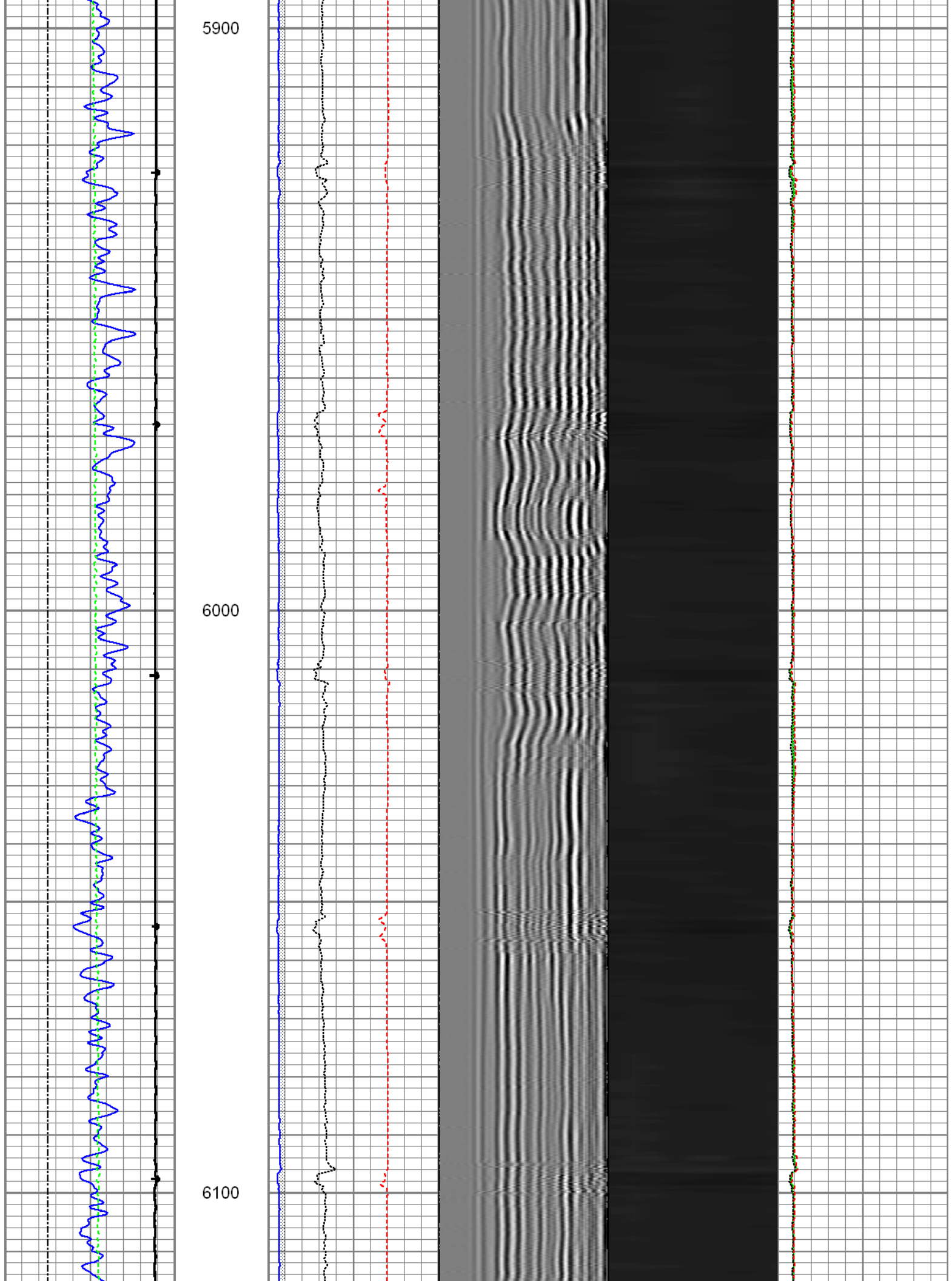
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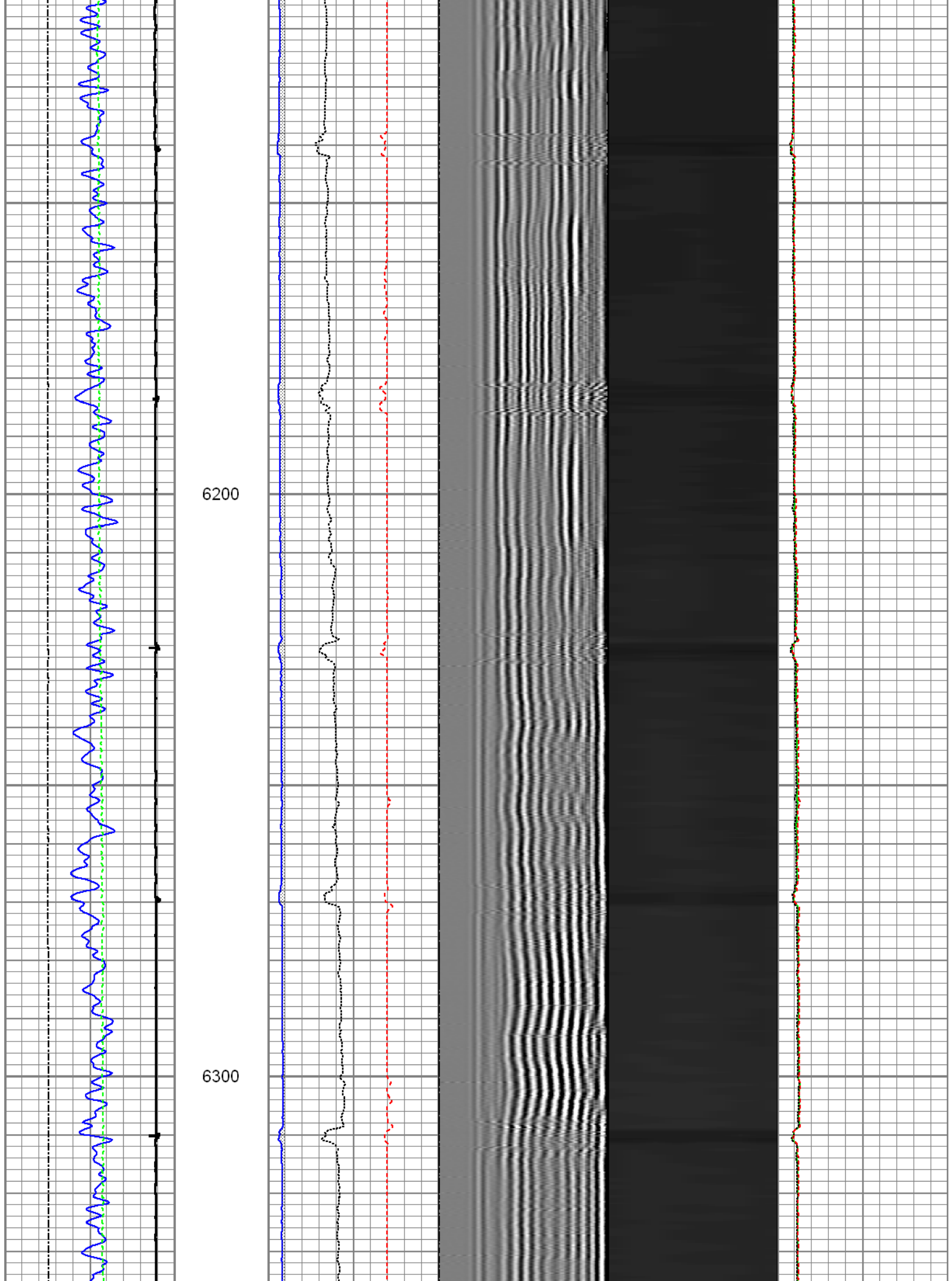
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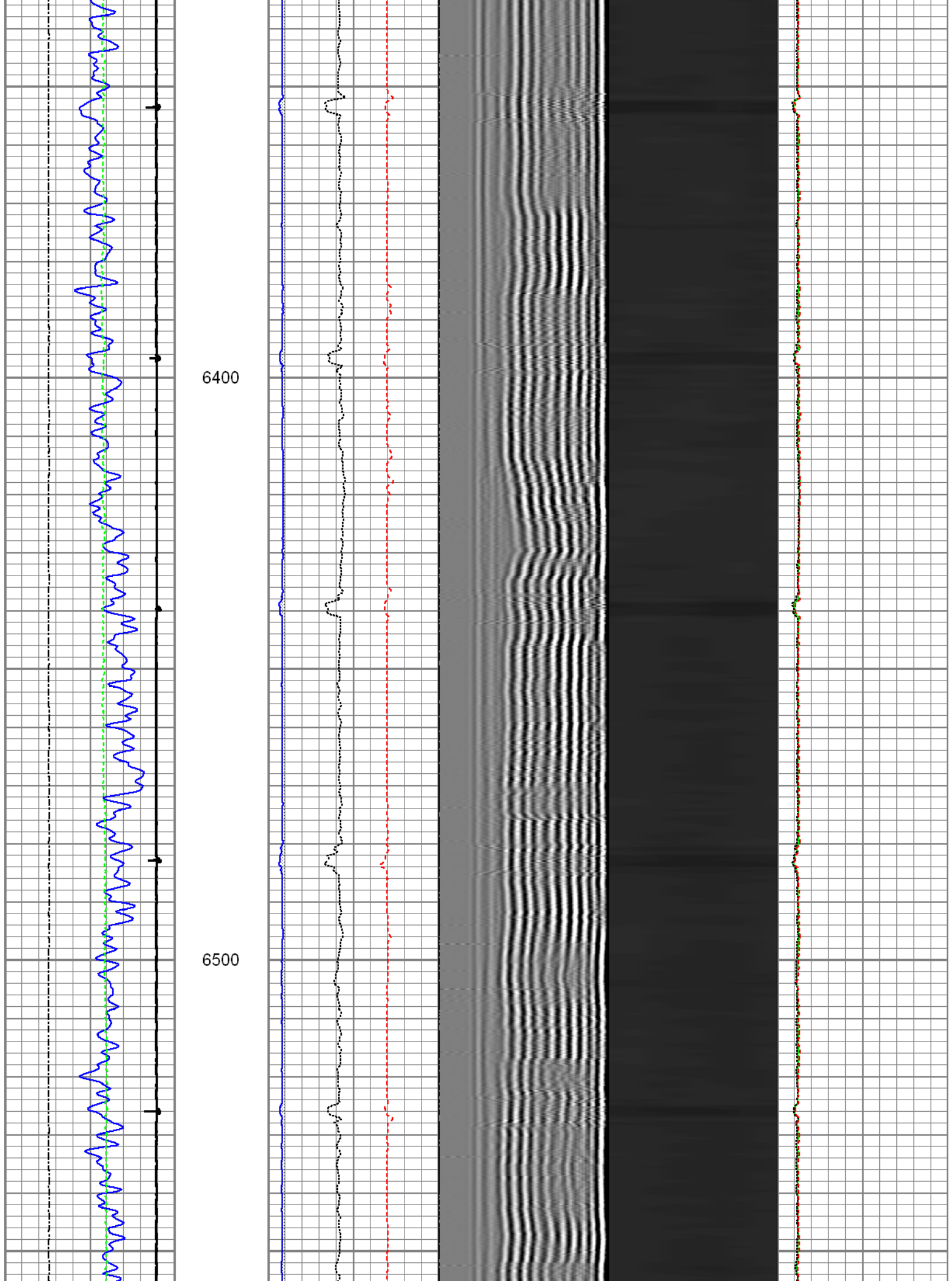
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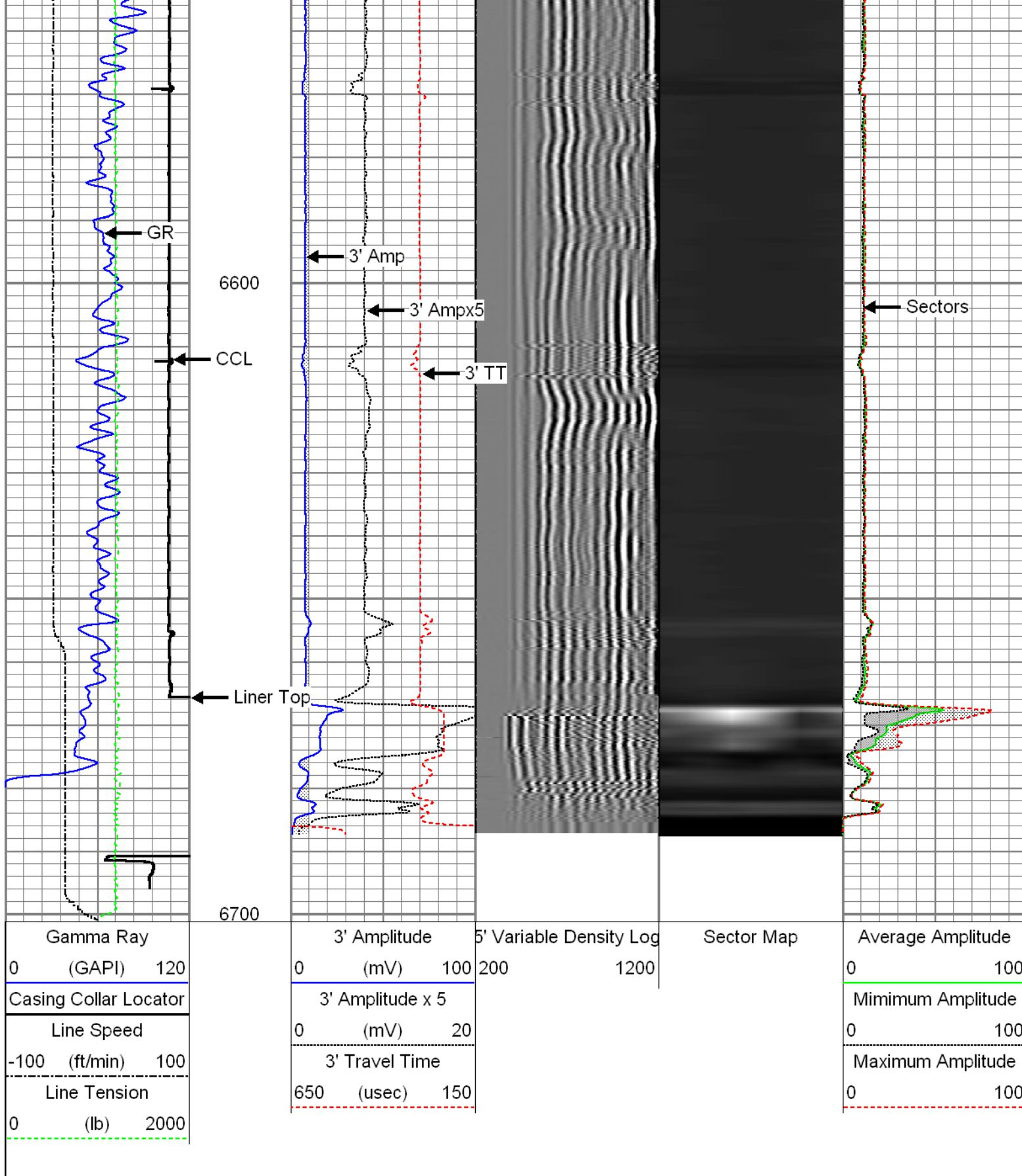
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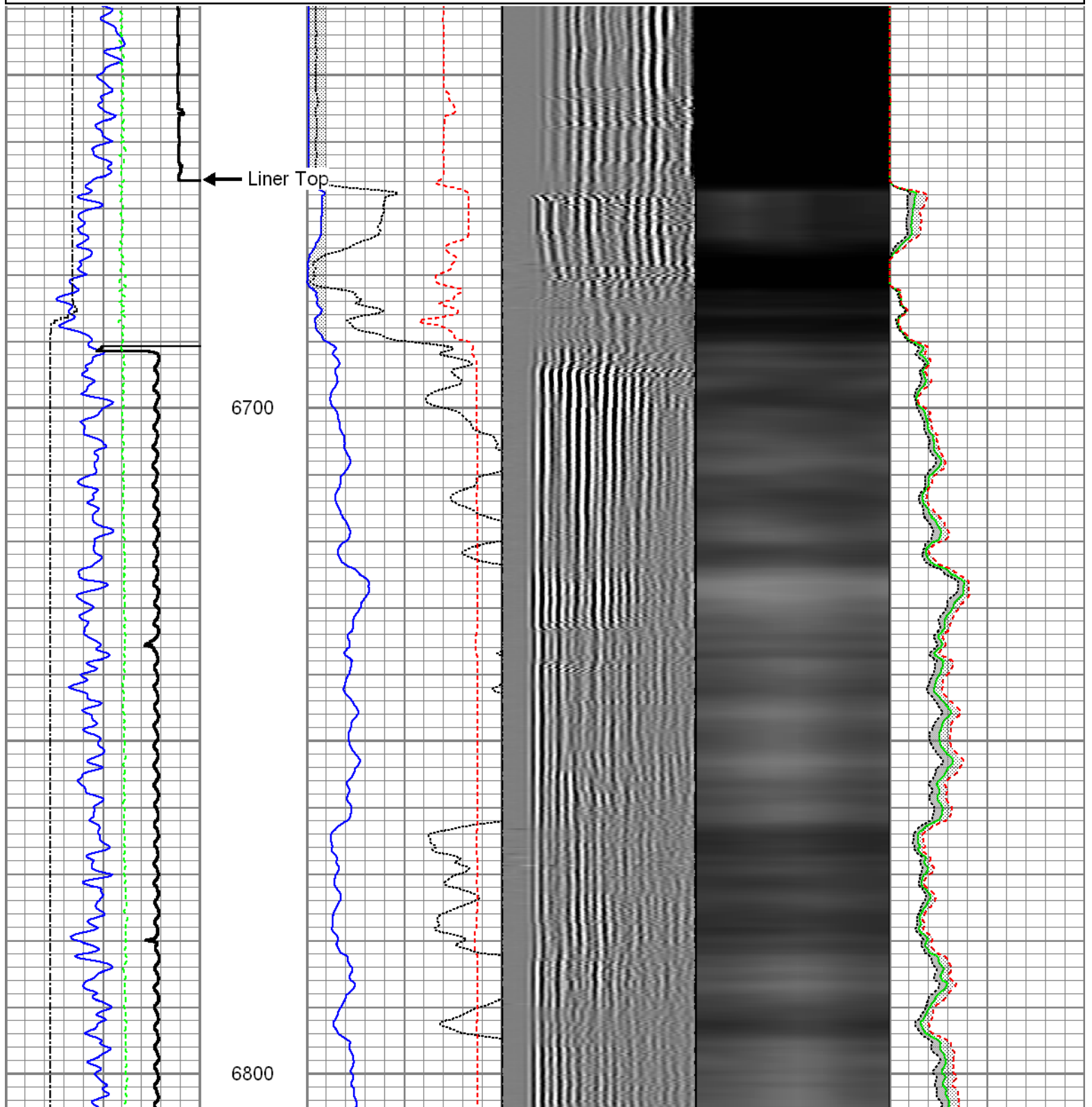




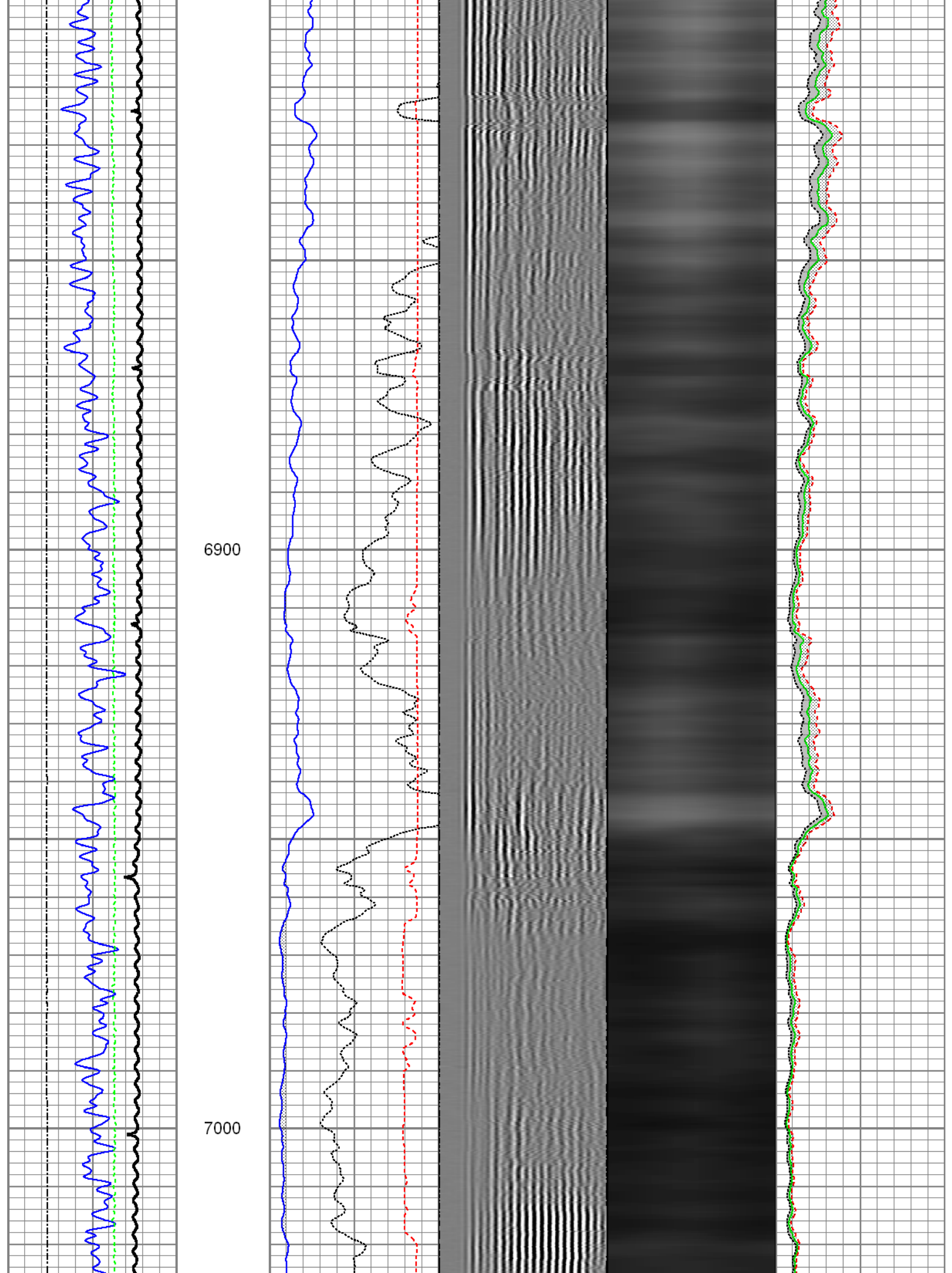
Main Pass 4.5"

Log ran under 2800 PSI surface induced pressure

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
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				



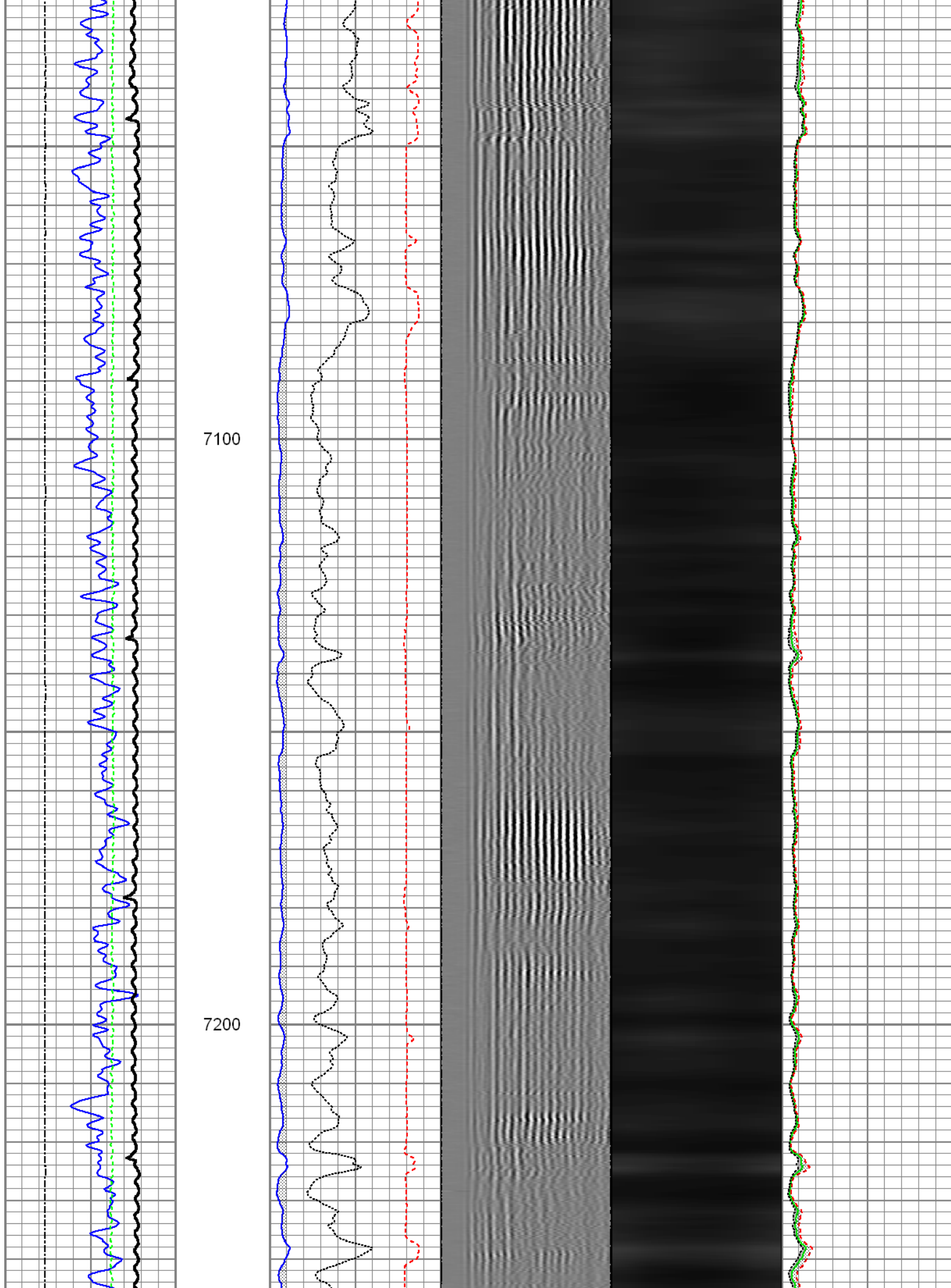


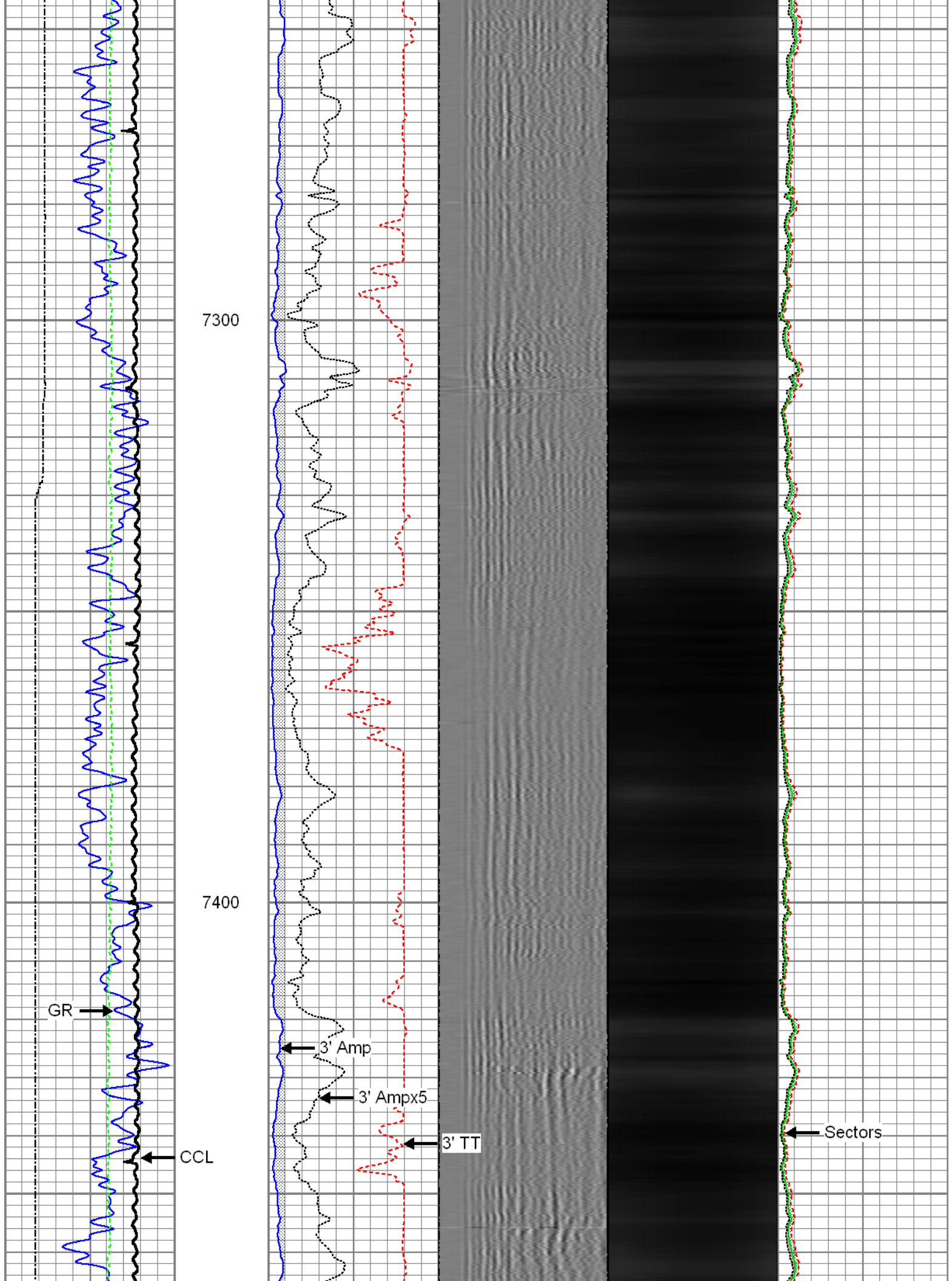


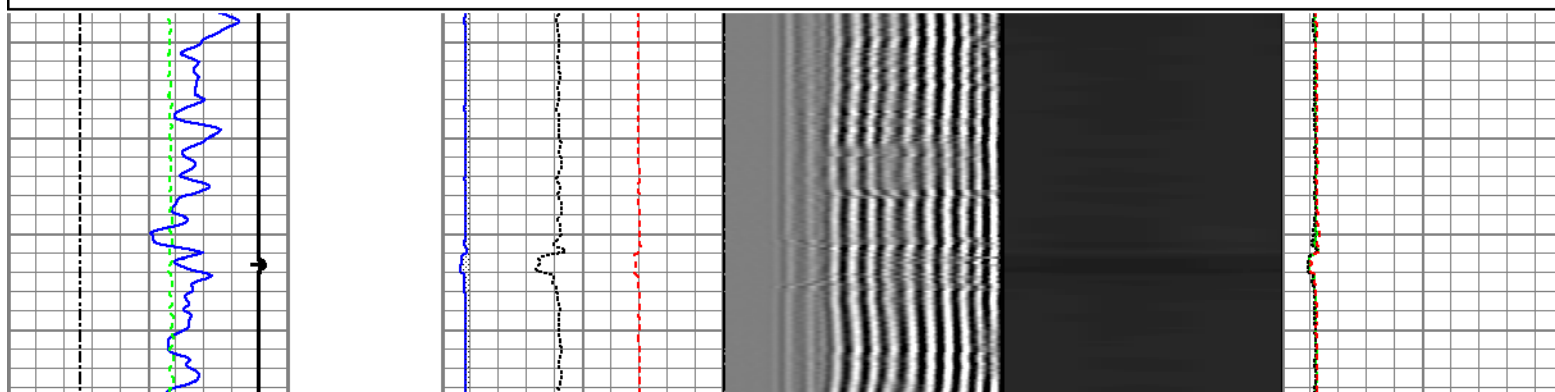
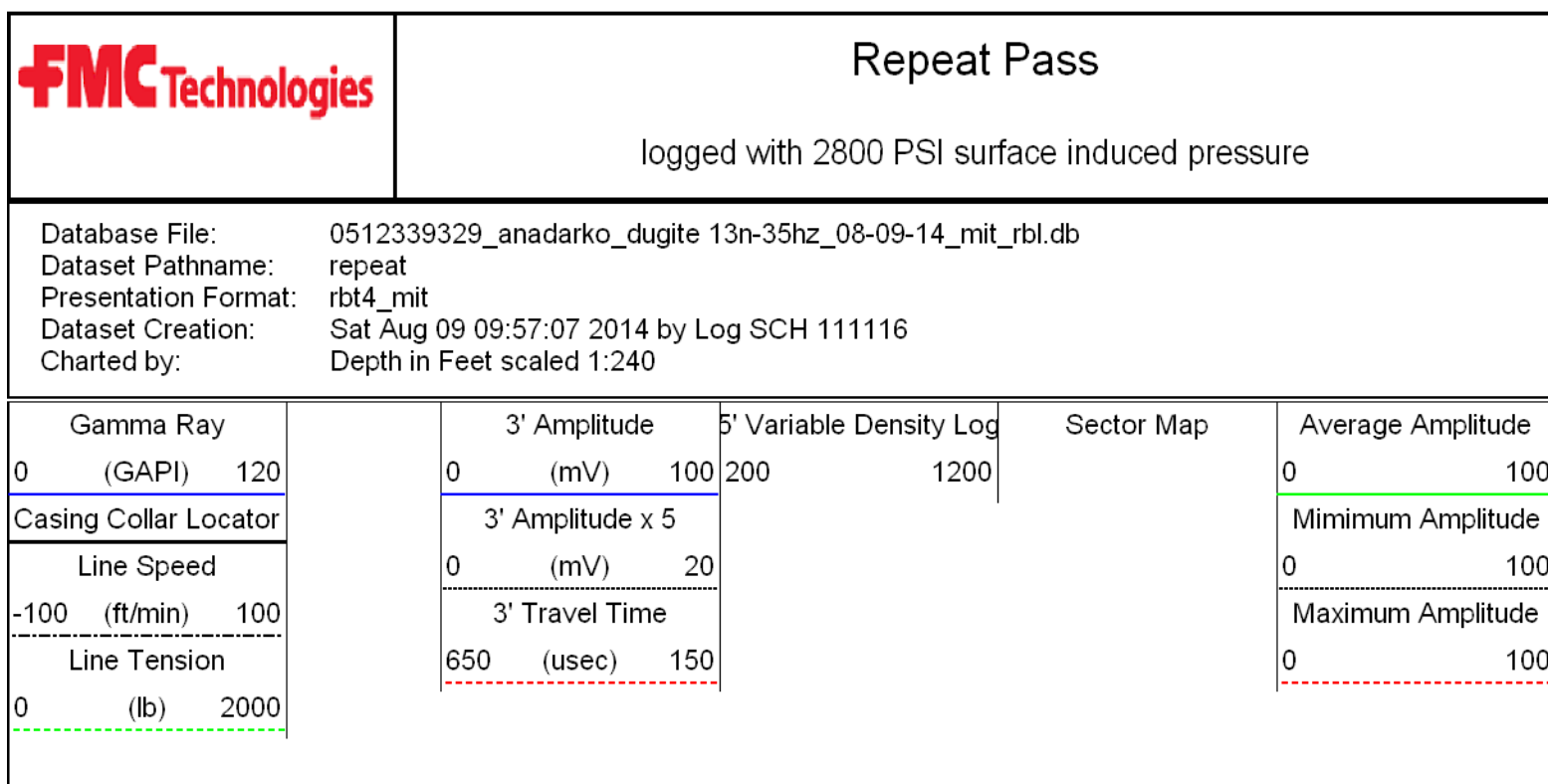
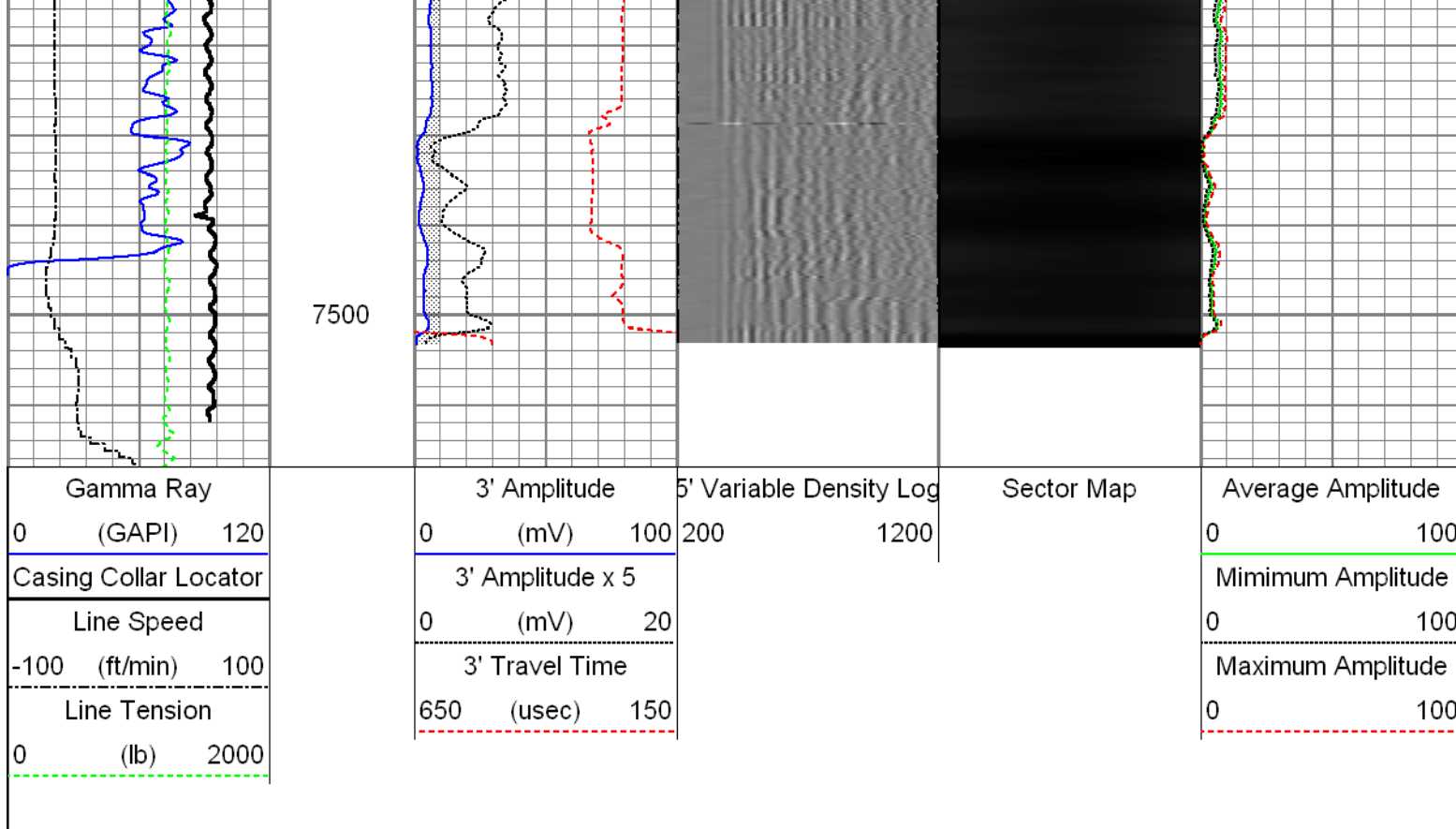


7100

7200



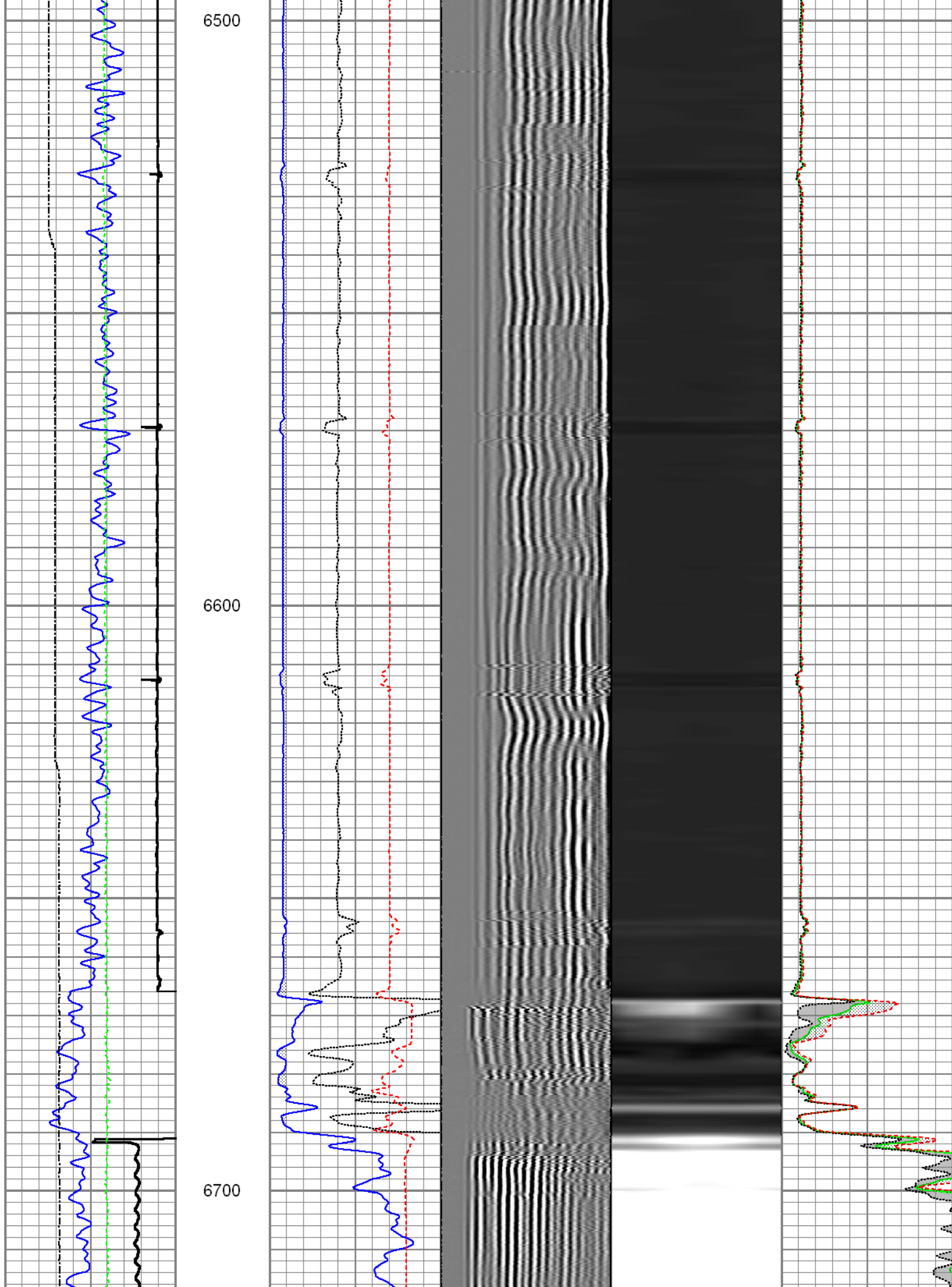


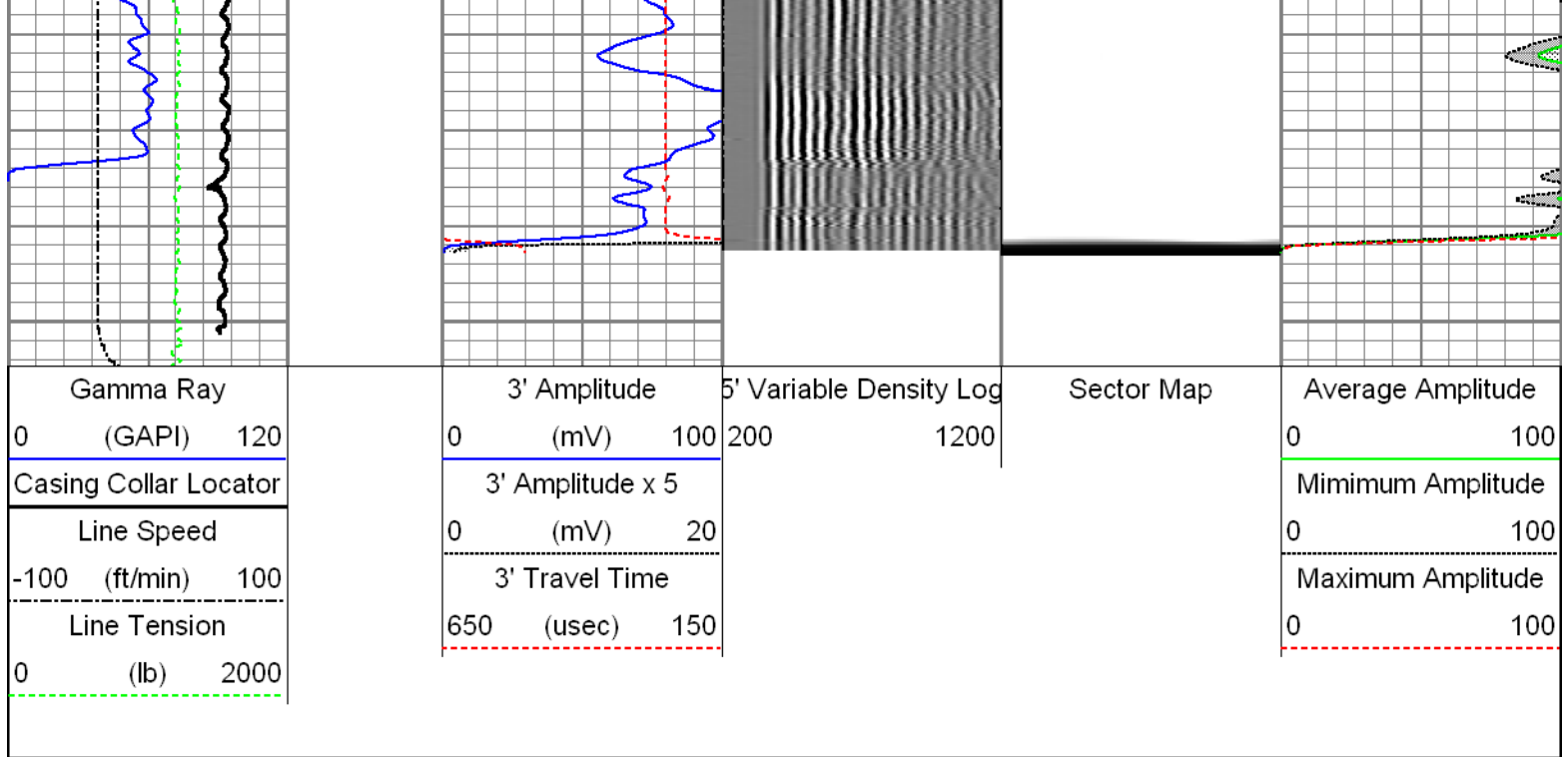


6500

6600

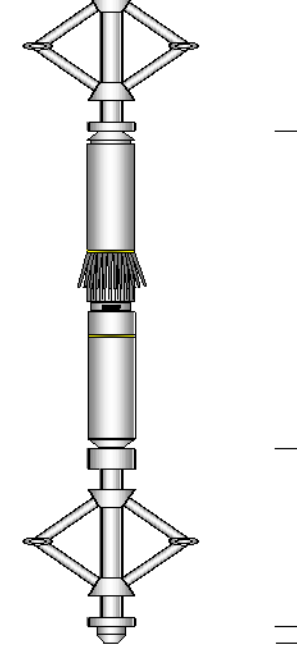
6700





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.81		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 (050836) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC-UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WV3FT	14.99		UW_RBT-UW_RBT_004 (1063) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	14.99					
WVFS2	14.99					
WVFS3	14.99					
WVFS4	14.99					
WVFS5	14.99					
WVFS6	14.99					
WVFS7	14.99					
WVFS8	14.99					
CBLTEMP	14.99					
CBLROT	14.99					
WV5FT	13.99					



MIT	4.97		UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_MIT-UW_MIT40_042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10
TSTAMP	0.00		UW_PRC #3 -DSSRAC (084) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512339329_anadarko_dugite 13n-35hz_08-09-14_mit_rbl.db: field/well/run1/main4.5.3 Total Length: 27.05 ft Total Weight: 319.30 lb O.D. 3.13 in						

Calibration Report			
Database File:	0512339329_anadarko_dugite 13n-35hz_08-09-14_mit_rbl.db		
Dataset Pathname:	main4.5.3		
Dataset Creation:	Sat Aug 09 10:47:37 2014 by Log SCH 111116		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	10014703		
Number of Fingers:	40		
Tool Model:	UW_MIT40_042		
Inclinometer Calibration Report			
Performed:	Fri Sep 20 11:47:48 2013		
Calibration Angle:	45		
	Inc X	Inc Y	
Vertical:	1963	1960	
Finger 1 up:	1748	1727	
Finger 31 up:	2195	1742	
Finger 21 up:	2178	2188	
Finger 11 up:	1727	2173	
Sensitivity ratio:	1.00706		
X-axis angle:	132.825		
Deviation const.:	317.775		

Finger Calibration Report						
Performed:			Sat Aug 09 08:55:04 2014			
Ring size:	4	5	6	7		
(in)						
	Sens	Sens	Sens			
Finger 01:	1121 345.0	1466 381.0	1847 395.0	2242		
Finger 02:	1146 363.0	1509 397.0	1906 416.0	2322		
Finger 03:	1068 343.0	1411 385.0	1796 411.0	2207		
Finger 04:	1028 350.0	1378 404.0	1782 435.0	2217		
Finger 05:	1069 336.0	1405 376.0	1781 402.0	2183		
Finger 06:	1060 346.0	1406 393.0	1799 419.0	2218		
Finger 07:	1074 340.0	1414 382.0	1796 411.0	2207		
Finger 08:	1033 347.0	1380 398.0	1778 435.0	2213		
Finger 09:	1102 350.0	1452 387.0	1839 407.0	2246		

Finger 9:	1102	353.0	1494	381.0	1875	406.0	2281
Finger 10:	1141	353.0	1467	392.0	1859	423.0	2282
Finger 11:	1221	349.0	1570	366.0	1936	380.0	2316
Finger 13:	1133	352.0	1485	389.0	1874	417.0	2291
Finger 14:	1054	357.0	1411	403.0	1814	431.0	2245
Finger 15:	1045	359.0	1404	405.0	1809	437.0	2246
Finger 16:	1131	357.0	1488	396.0	1884	422.0	2306
Finger 17:	1102	348.0	1450	383.0	1833	406.0	2239
Finger 18:	1138	348.0	1486	381.0	1867	401.0	2268
Finger 19:	1091	358.0	1449	394.0	1843	416.0	2259
Finger 20:	1020	357.0	1377	403.0	1780	423.0	2203
Finger 21:	1097	348.0	1445	384.0	1829	405.0	2234
Finger 22:	1109	360.0	1469	395.0	1864	409.0	2273
Finger 23:	1166	333.0	1499	364.0	1863	377.0	2240
Finger 24:	1102	366.0	1468	402.0	1870	408.0	2278
Finger 25:	1090	353.0	1443	394.0	1837	408.0	2245
Finger 26:	1120	354.0	1474	388.0	1862	391.0	2253
Finger 27:	1160	351.0	1511	382.0	1893	392.0	2285
Finger 28:	1126	363.0	1489	396.0	1885	403.0	2288
Finger 29:	1155	369.0	1524	405.0	1929	410.0	2339
Finger 30:	1091	360.0	1451	401.0	1852	408.0	2260
Finger 31:	1143	357.0	1500	387.0	1887	389.0	2276
Finger 32:	1133	367.0	1500	403.0	1903	410.0	2313
Finger 33:	1075	358.0	1433	397.0	1830	408.0	2238
Finger 34:	1066	358.0	1424	401.0	1825	414.0	2239
Finger 35:	1119	347.0	1466	379.0	1845	390.0	2235
Finger 36:	1086	358.0	1444	399.0	1843	410.0	2253
Finger 37:	1152	346.0	1498	379.0	1877	390.0	2267
Finger 38:	1168	347.0	1515	374.0	1889	389.0	2278
Finger 39:	1130	360.0	1490	389.0	1879	406.0	2285
Finger 40:	1024	361.0	1385	410.0	1795	436.0	2231

Segmented Cement Bond Log Calibration Report						
Serial Number:		1063				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		19.836	ft			
Master Calibration, performed Sat Aug 09 09:05:11 2014:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.003	0.933	0.800	62.165	65.607	0.982
5FT	-0.006	0.674	0.800	62.165	90.283	1.343
S1	-0.004	0.964	0.000	100.000	103.307	0.363
S2	-0.004	0.974	0.000	100.000	102.252	0.398
S3	-0.003	0.944	0.000	100.000	105.532	0.359
S4	-0.004	0.942	0.000	100.000	105.746	0.423
S5	-0.002	0.927	0.000	100.000	107.607	0.247
S6	-0.003	0.916	0.000	100.000	108.747	0.337
S7	-0.002	0.924	0.000	100.000	107.891	0.263
S8	-0.003	0.939	0.000	100.000	106.260	0.271
Gamma Ray Calibration Report						

Gamma Ray Calibration Report							
Serial Number:				050836			
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 and Gas Onshore LP
Well	Dugite 13N-35HZ
Field	Wattenberg
County	Weld
State	Colorado