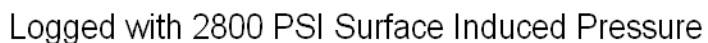




<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 referenced to casing tally reported liner top at 6952 FT. Adjusted log -20.4 FT to correlate with liner top. Gauge Ring/Junk Basket ran to 7717 FT and was clean of debris. Thank you for choosing FMC Technologies Completion Services, Inc.!!



Database File: c:\warrior\data\anadarko_barclay 28c-11hz\0512339058_anadarko_barclay 28c-11hz_mit_rbl.db

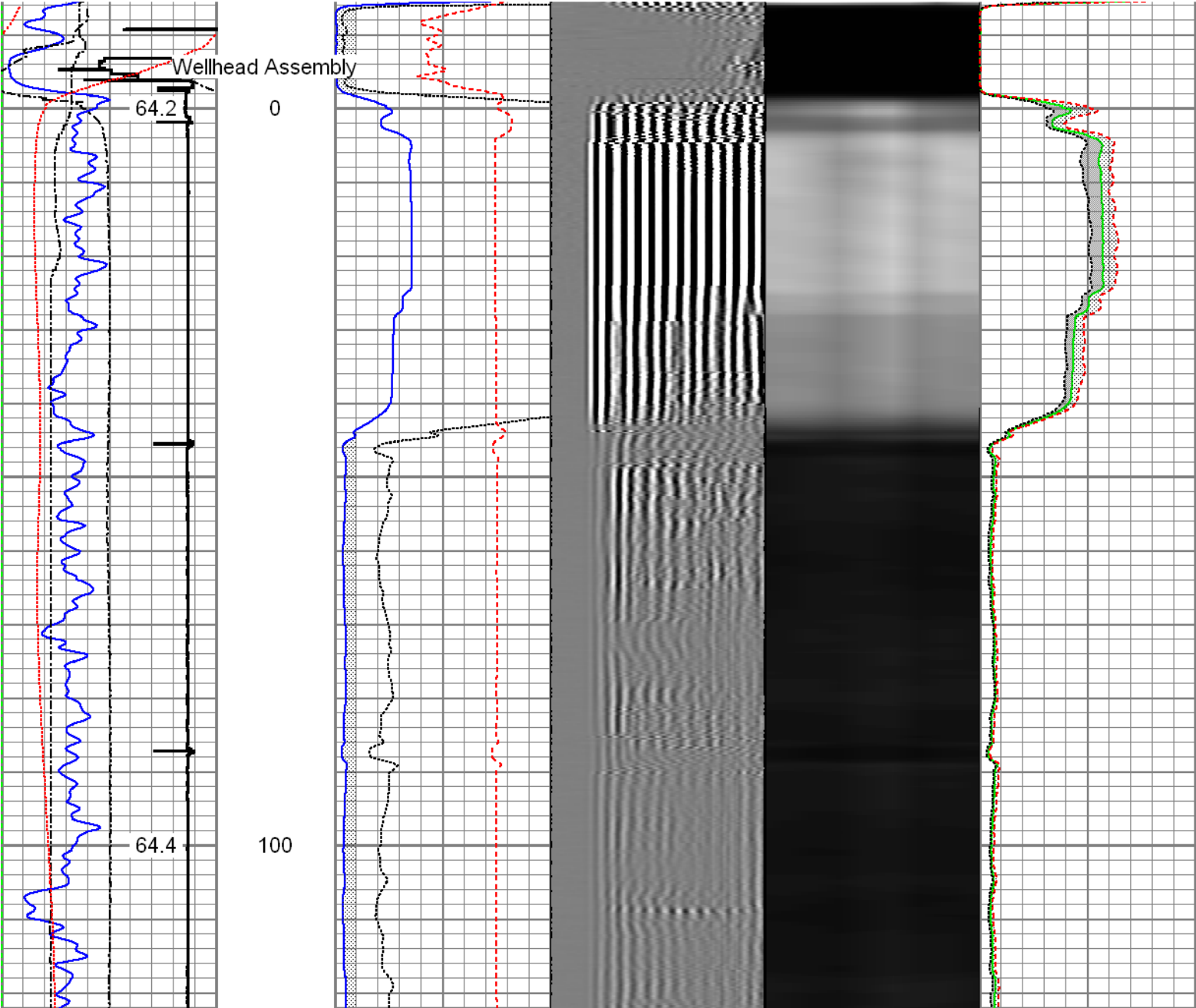
Dataset Pathname: pass8

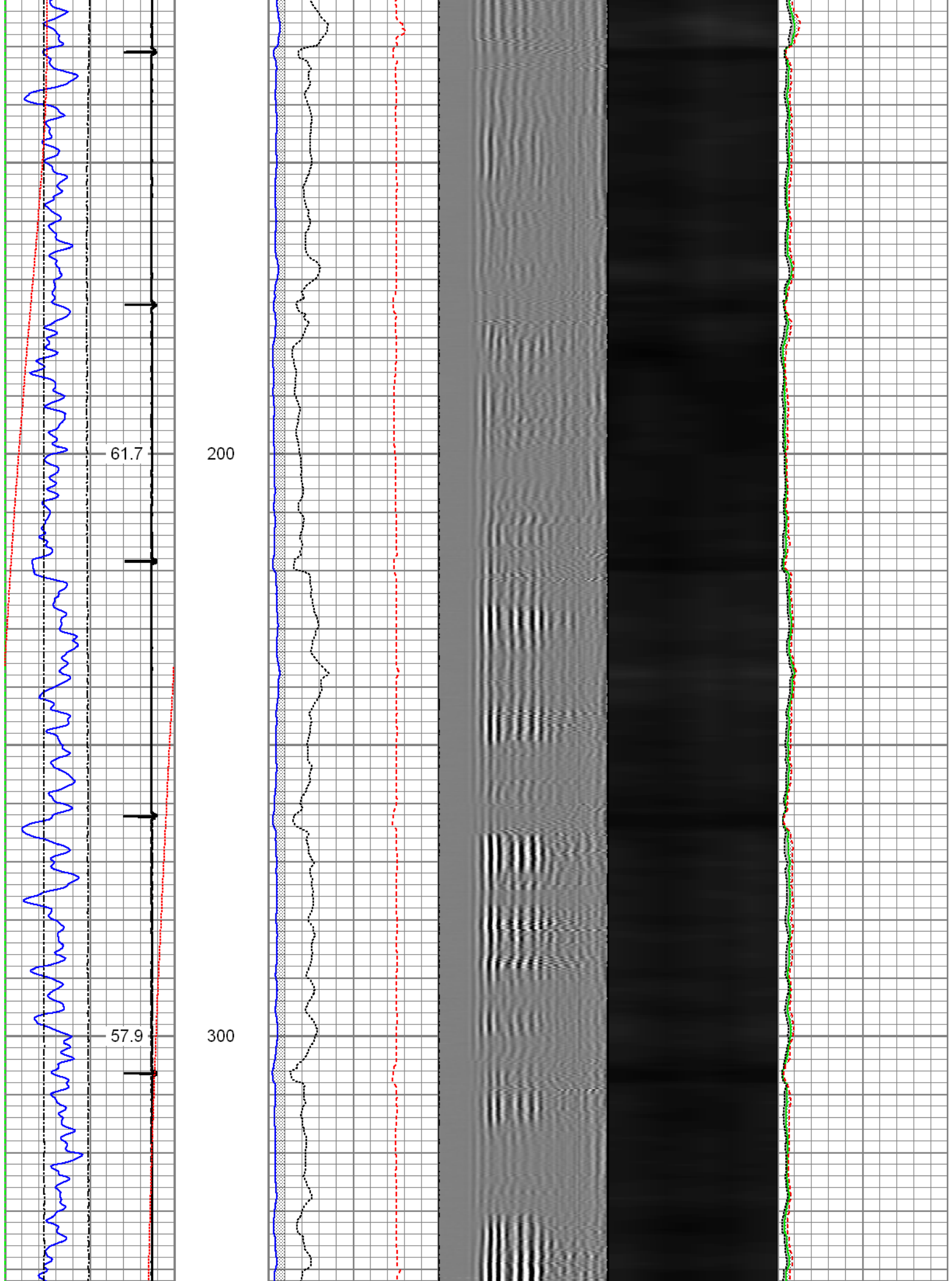
Presentation Format: rbt4_mit

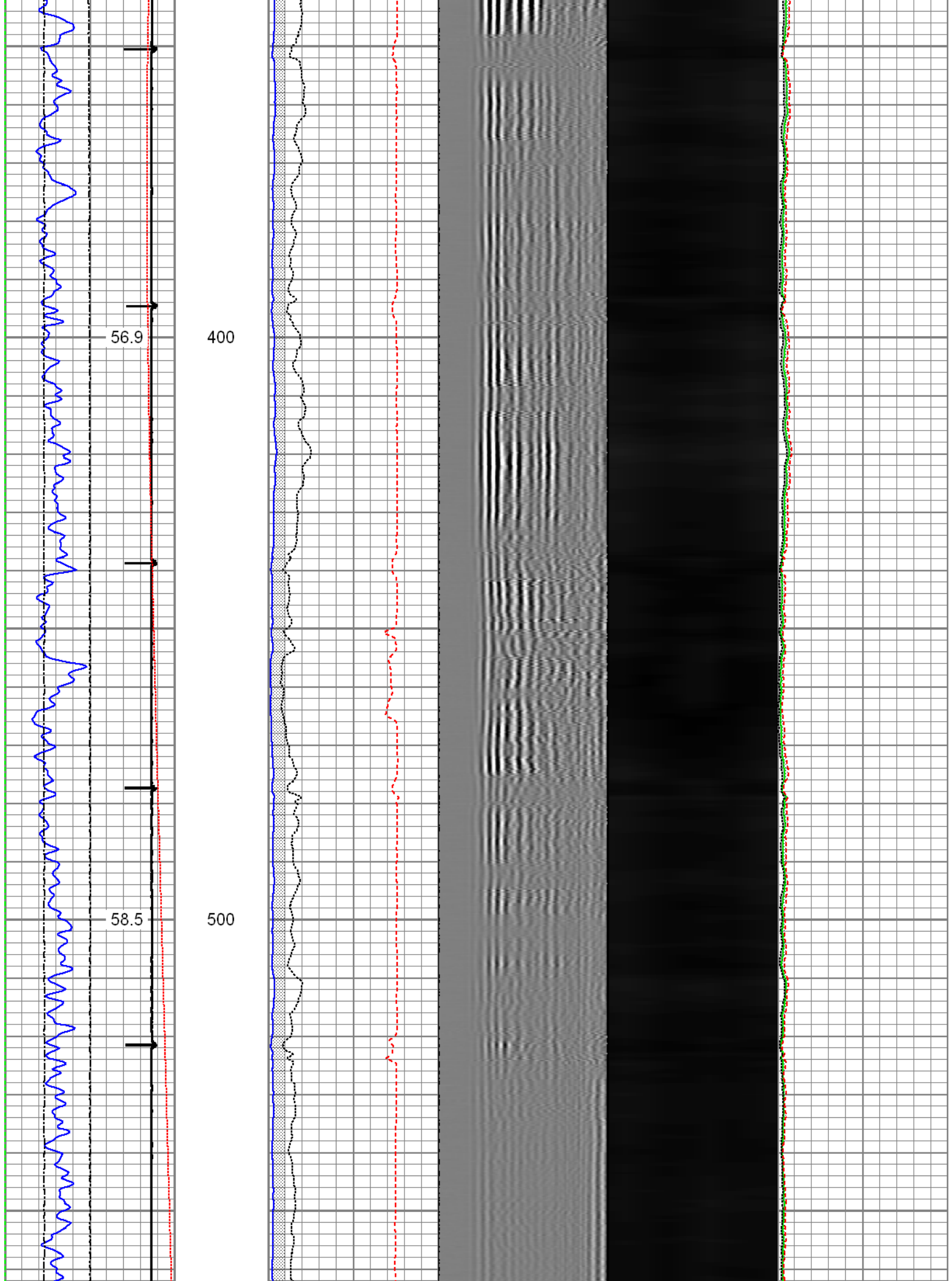
Dataset Creation: Mon Jun 08 13:05:03 2015 by Log 7.0 B1

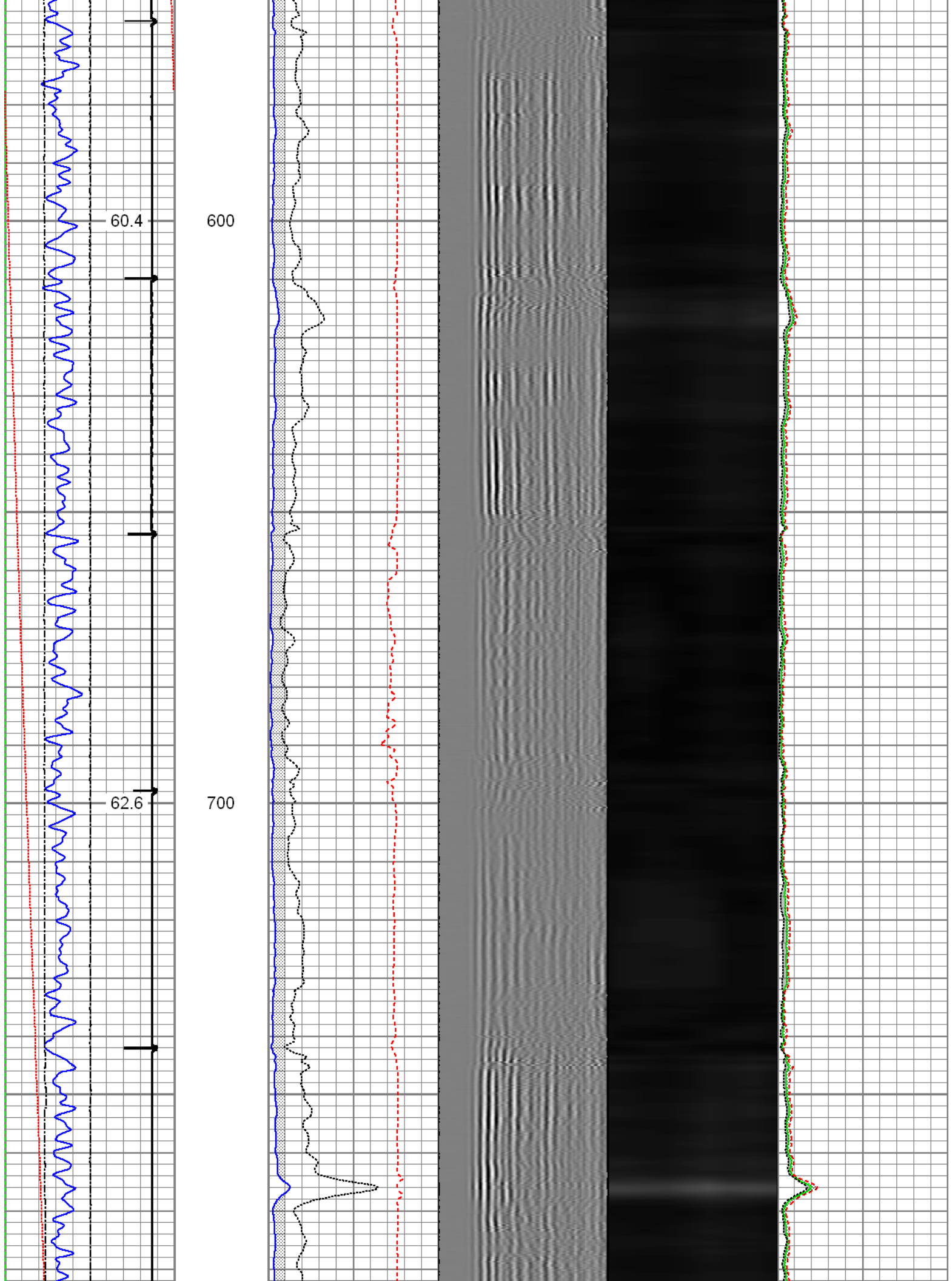
Charted by: Depth in Feet scaled 1:240

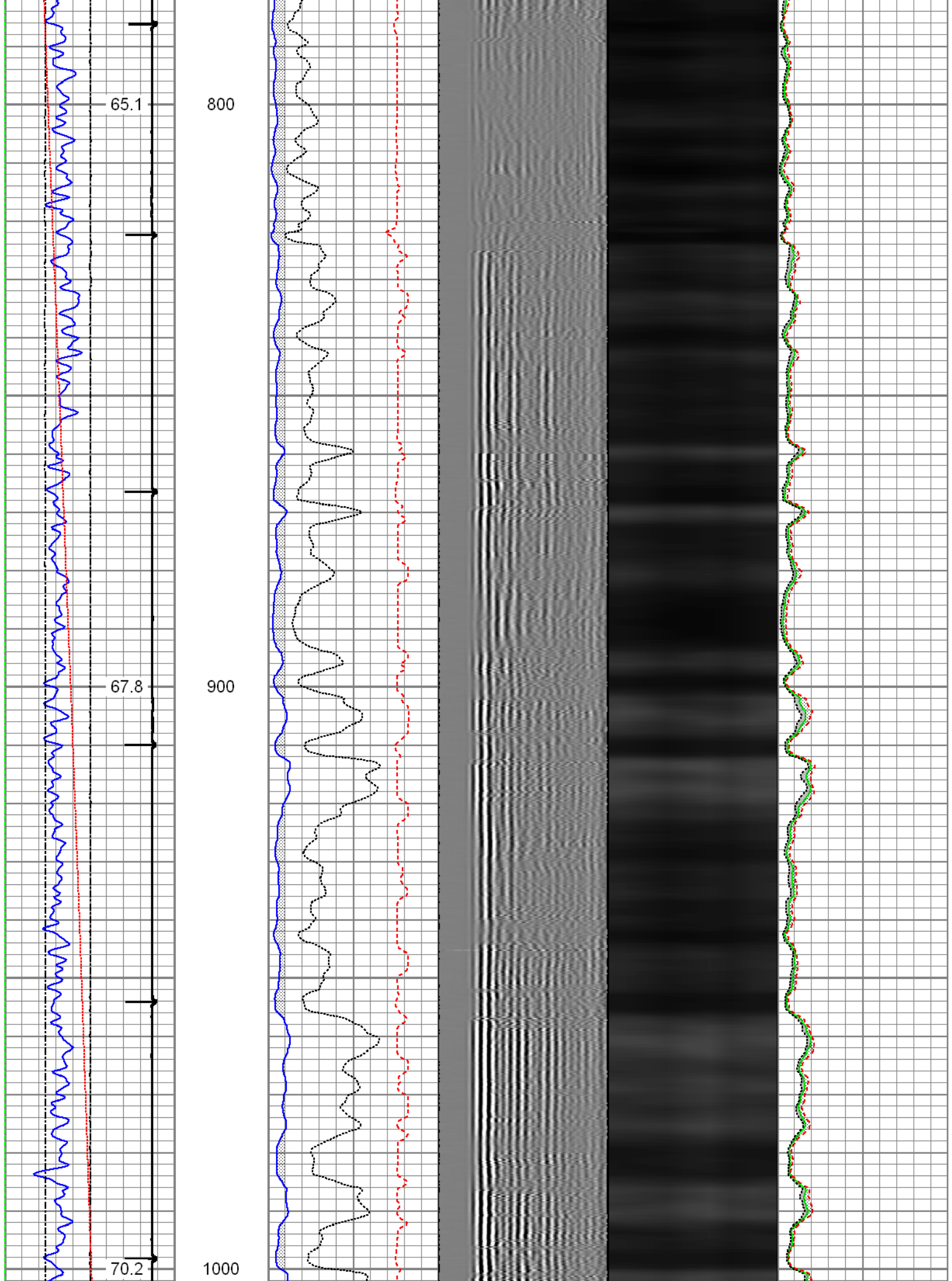
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				
Differential Temperature				
-2 (degF) 2				
Temperature				
0 (degF) 20				

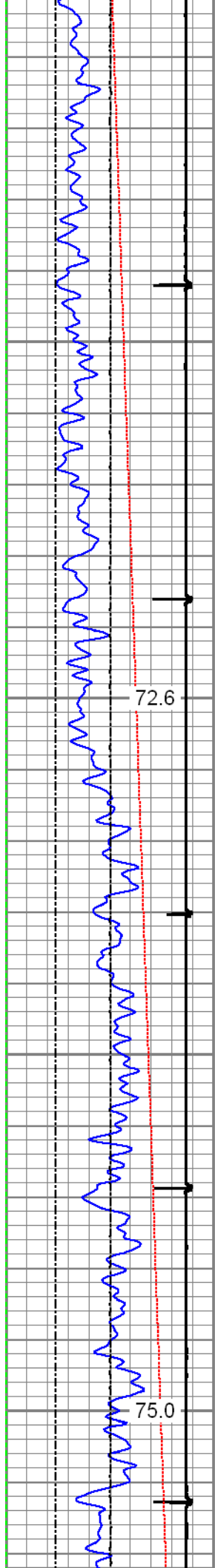










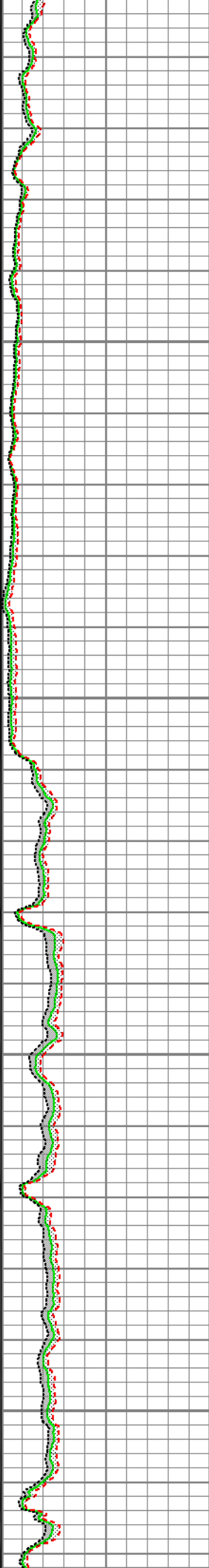
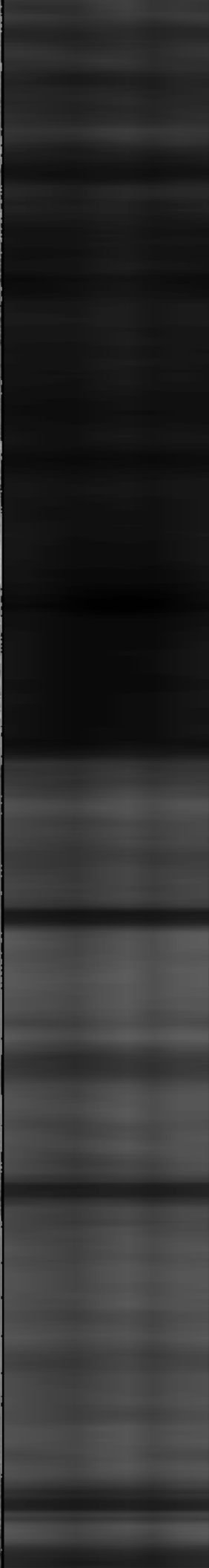
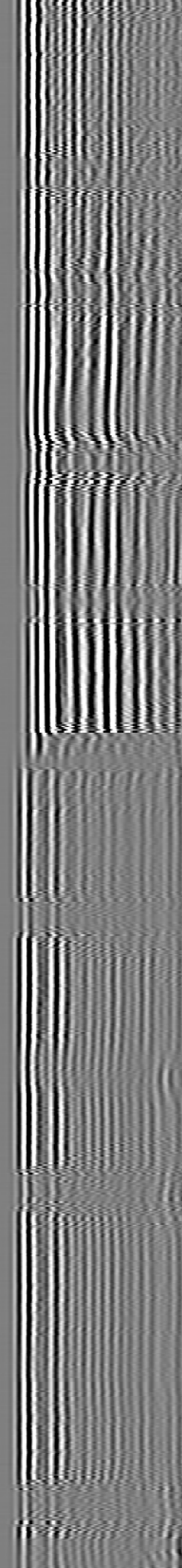
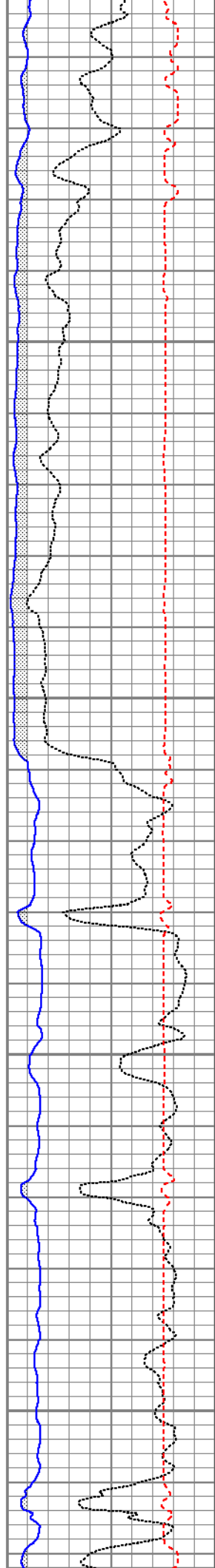


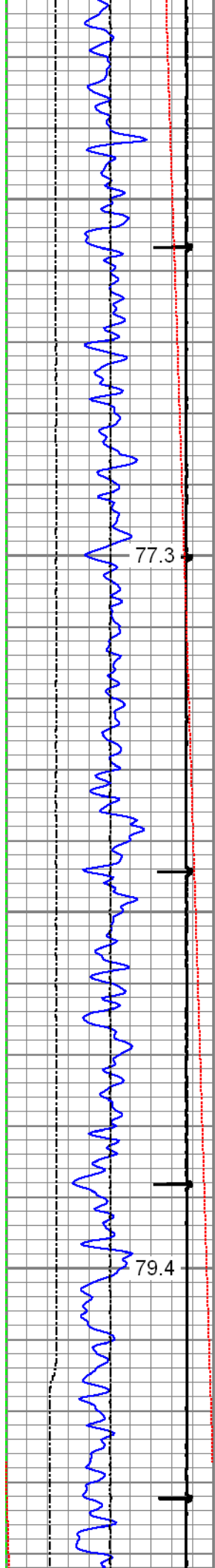
72.6

75.0

1100

1200



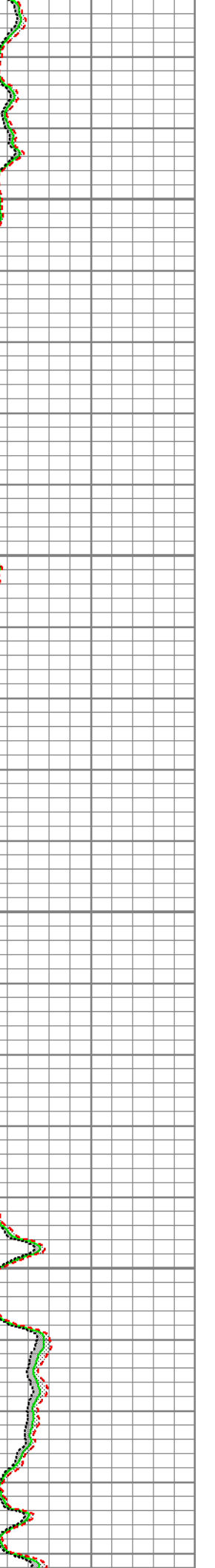
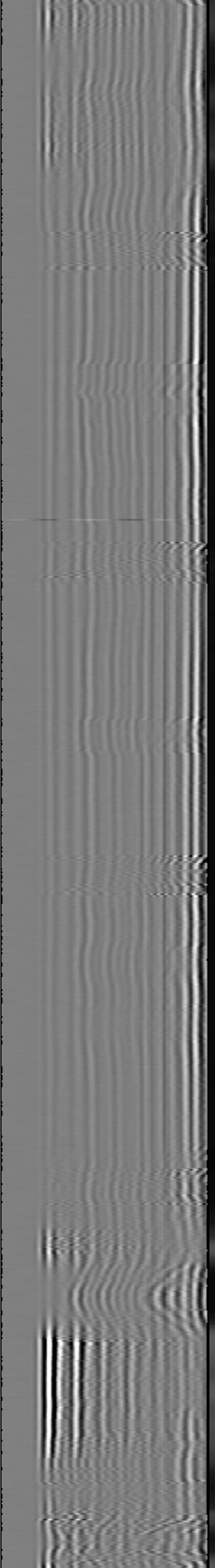
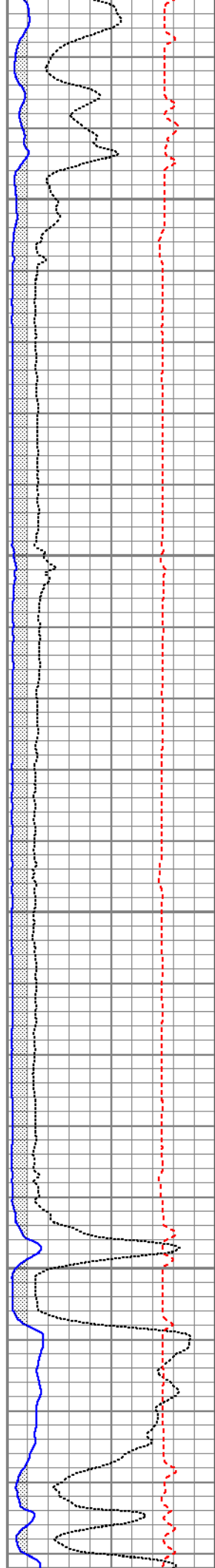


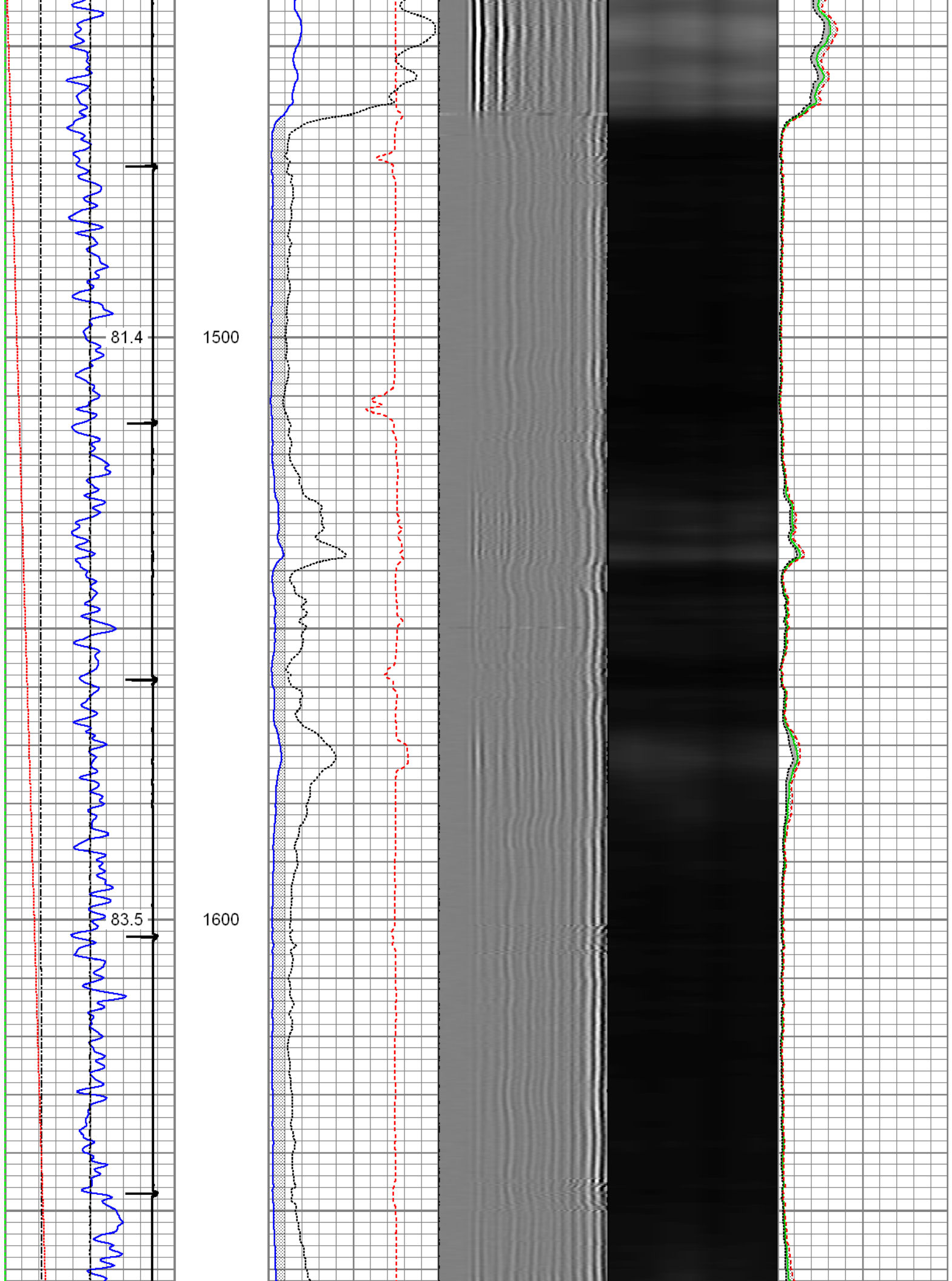
77.3

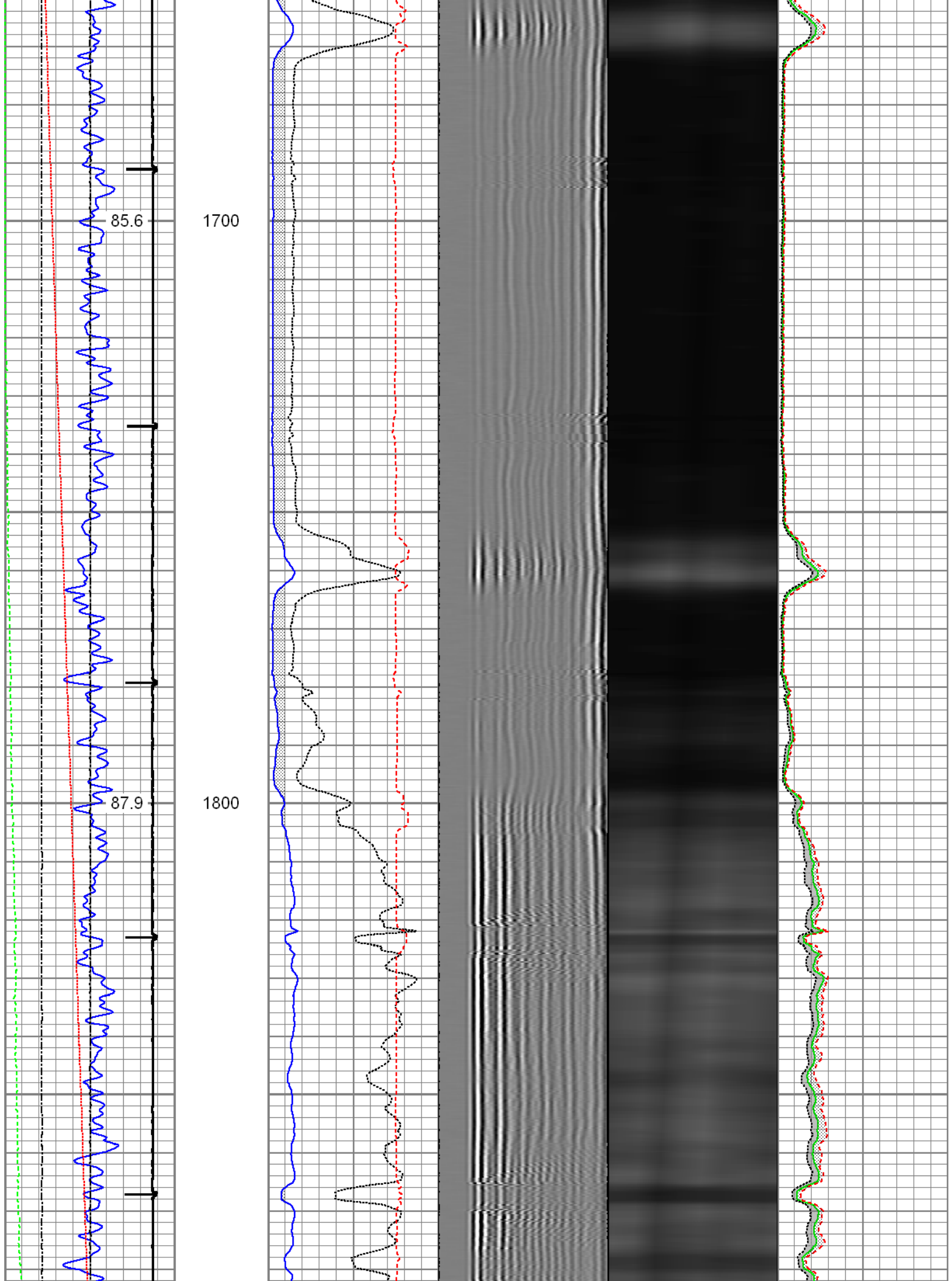
79.4

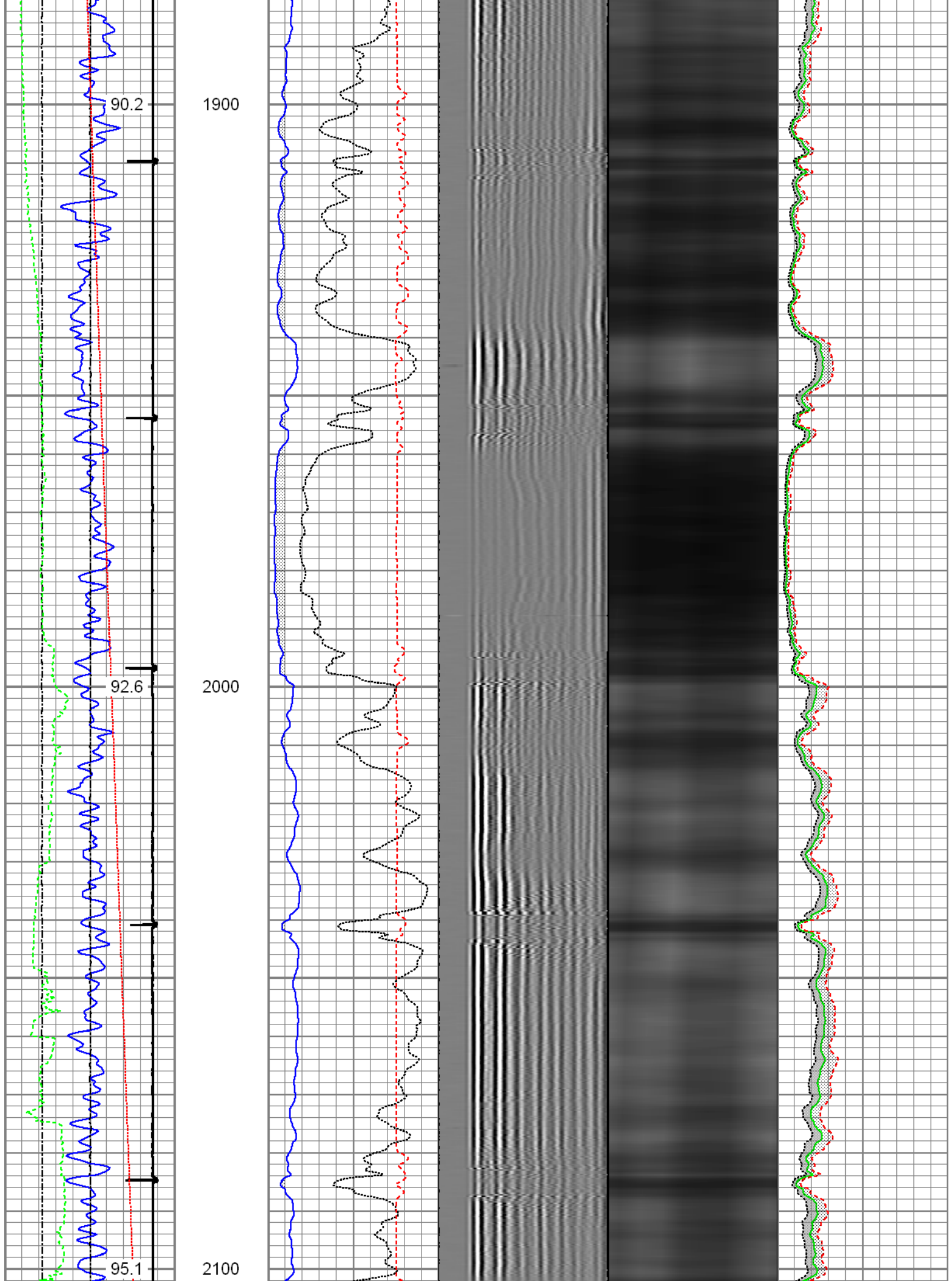
1300

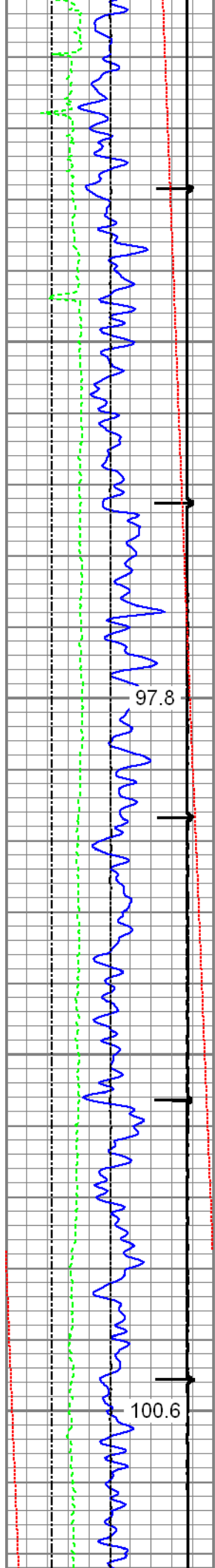
1400





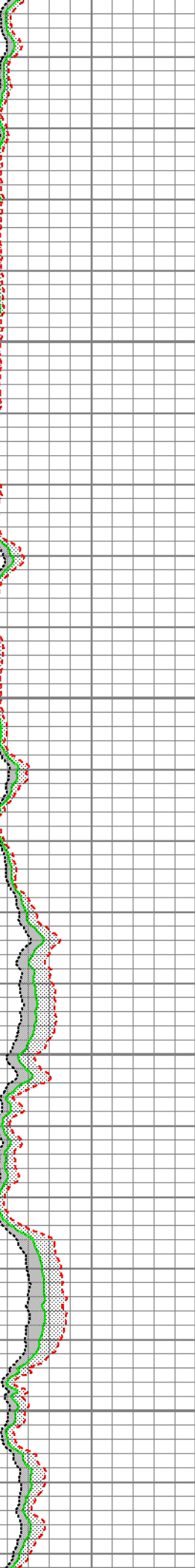
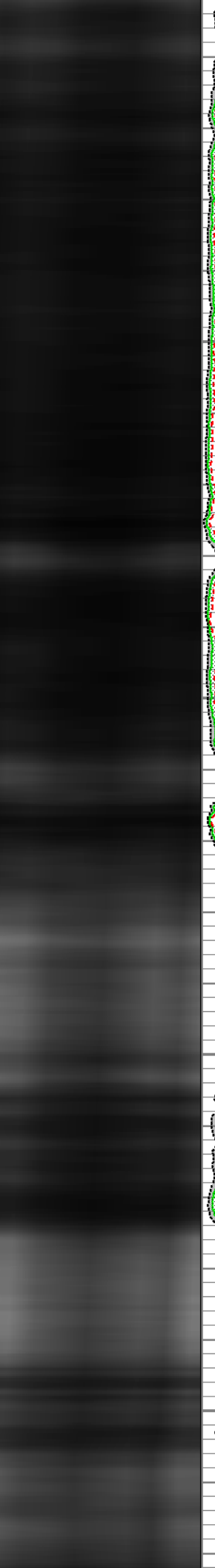
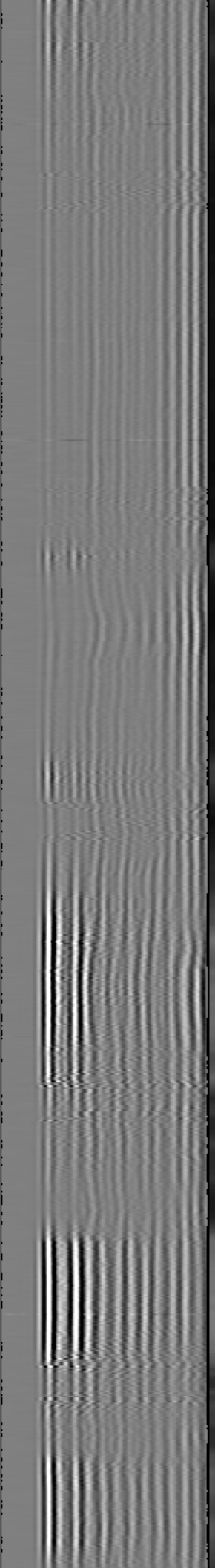
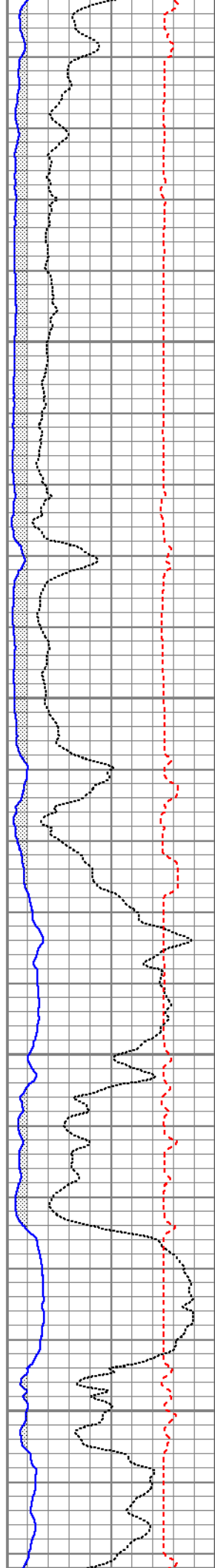


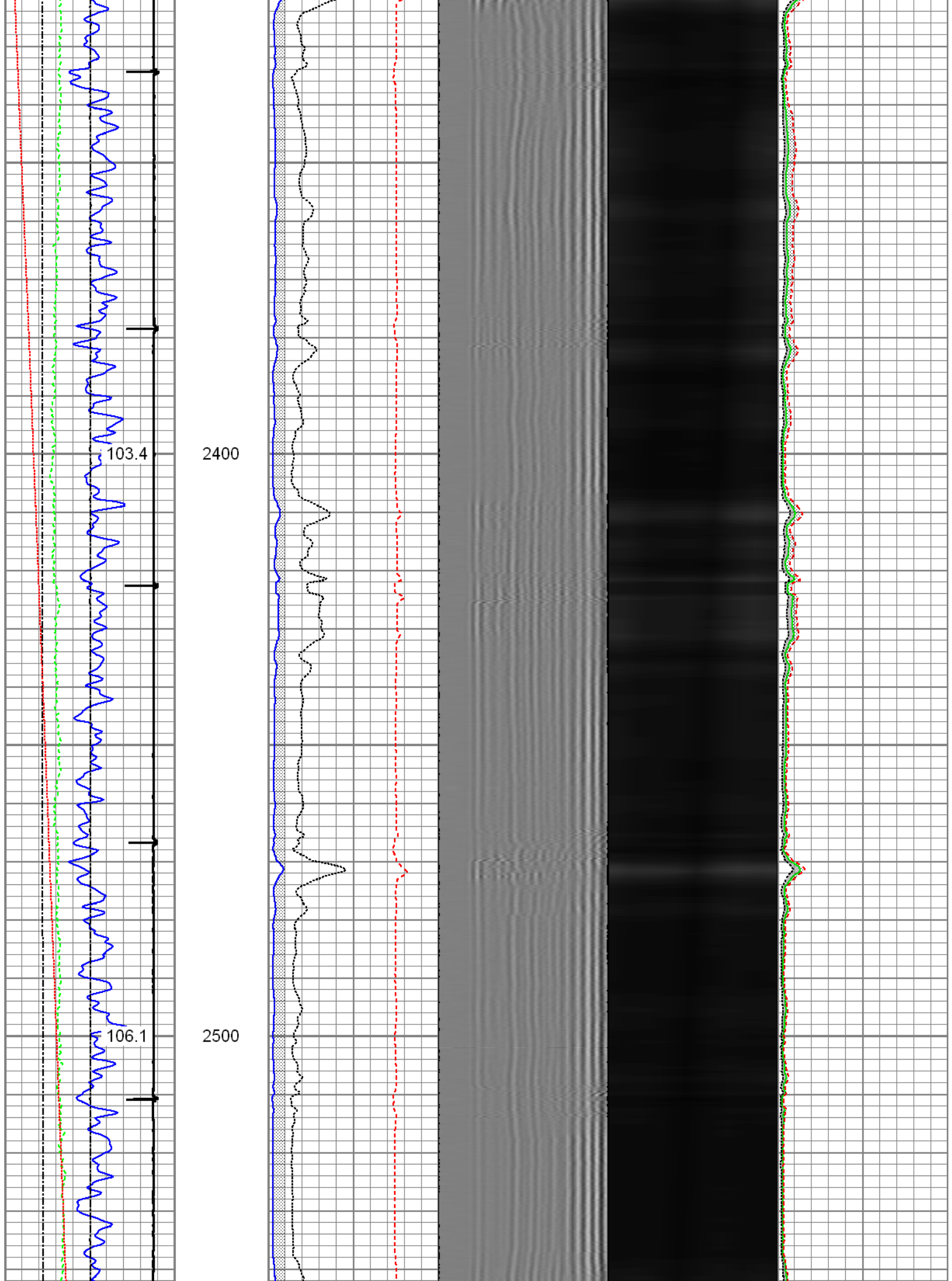


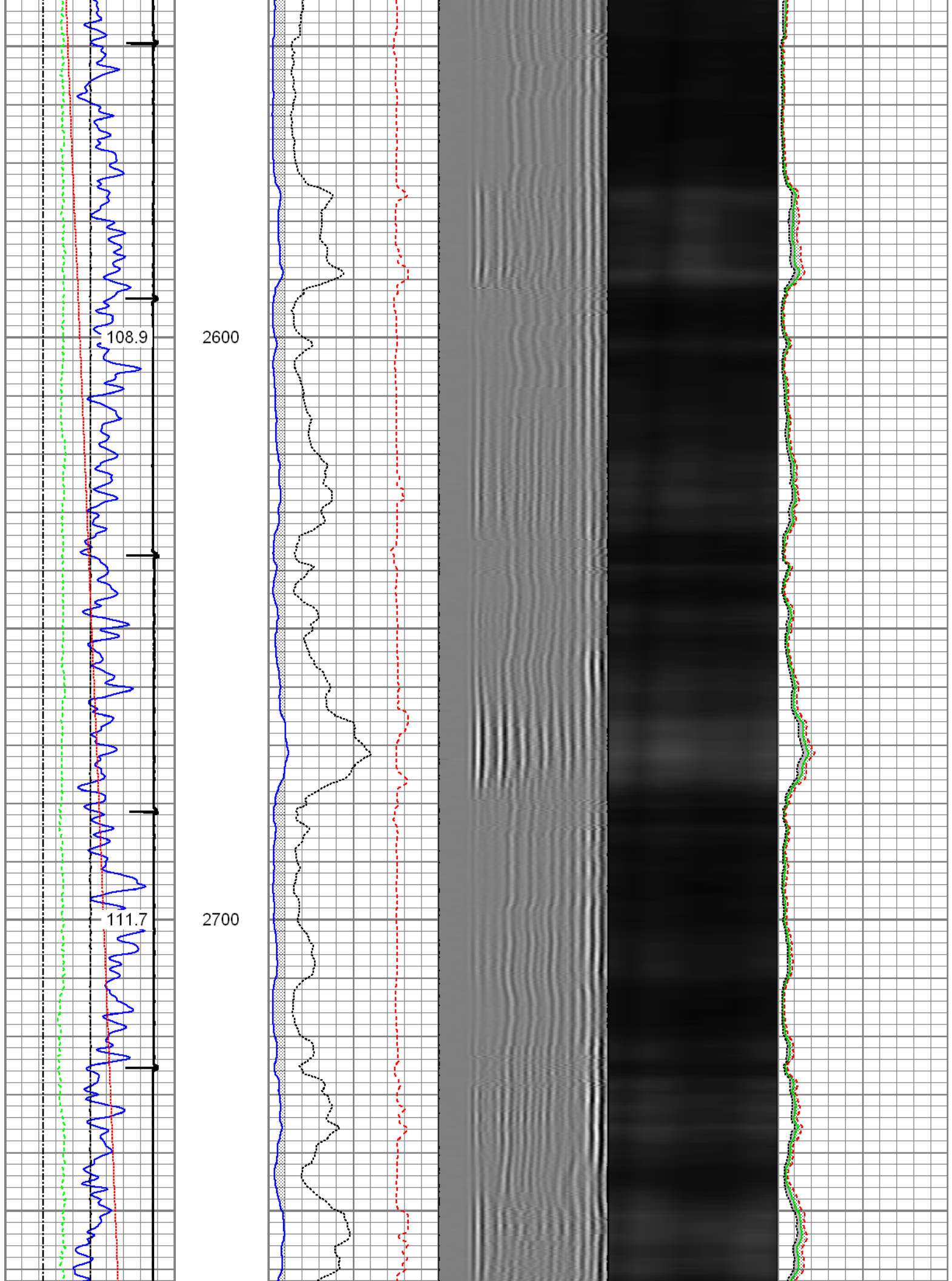


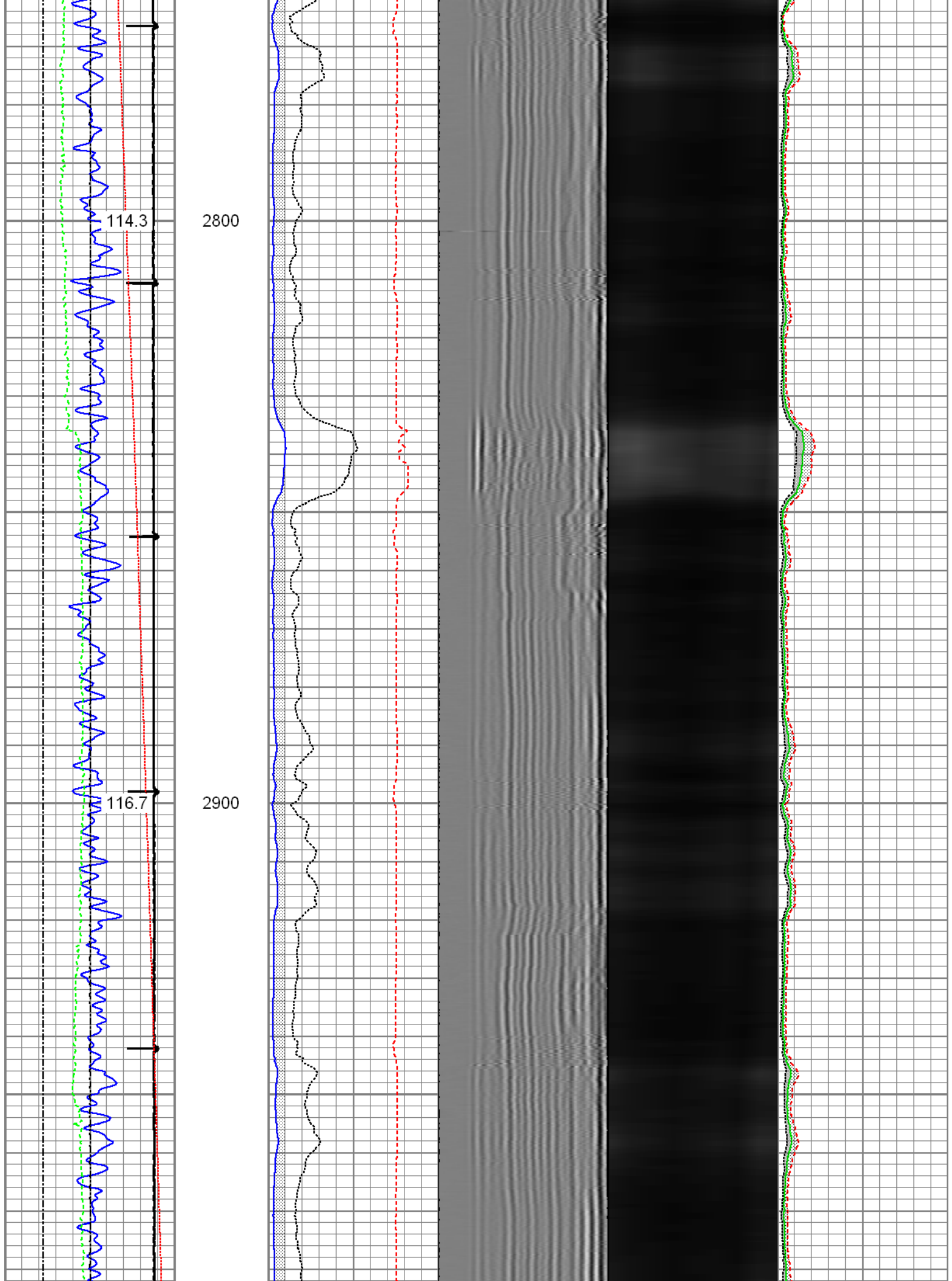
2200

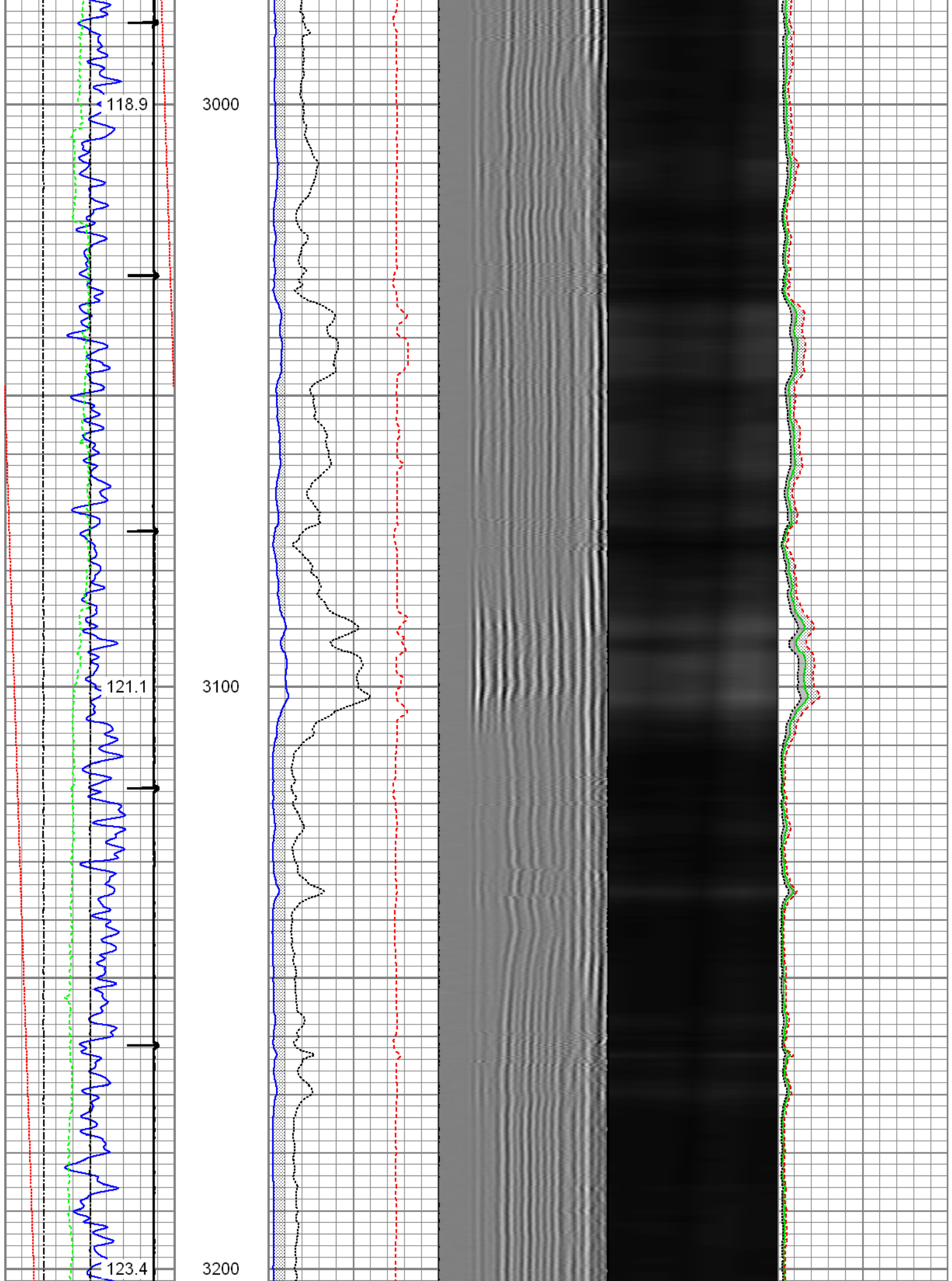
2300

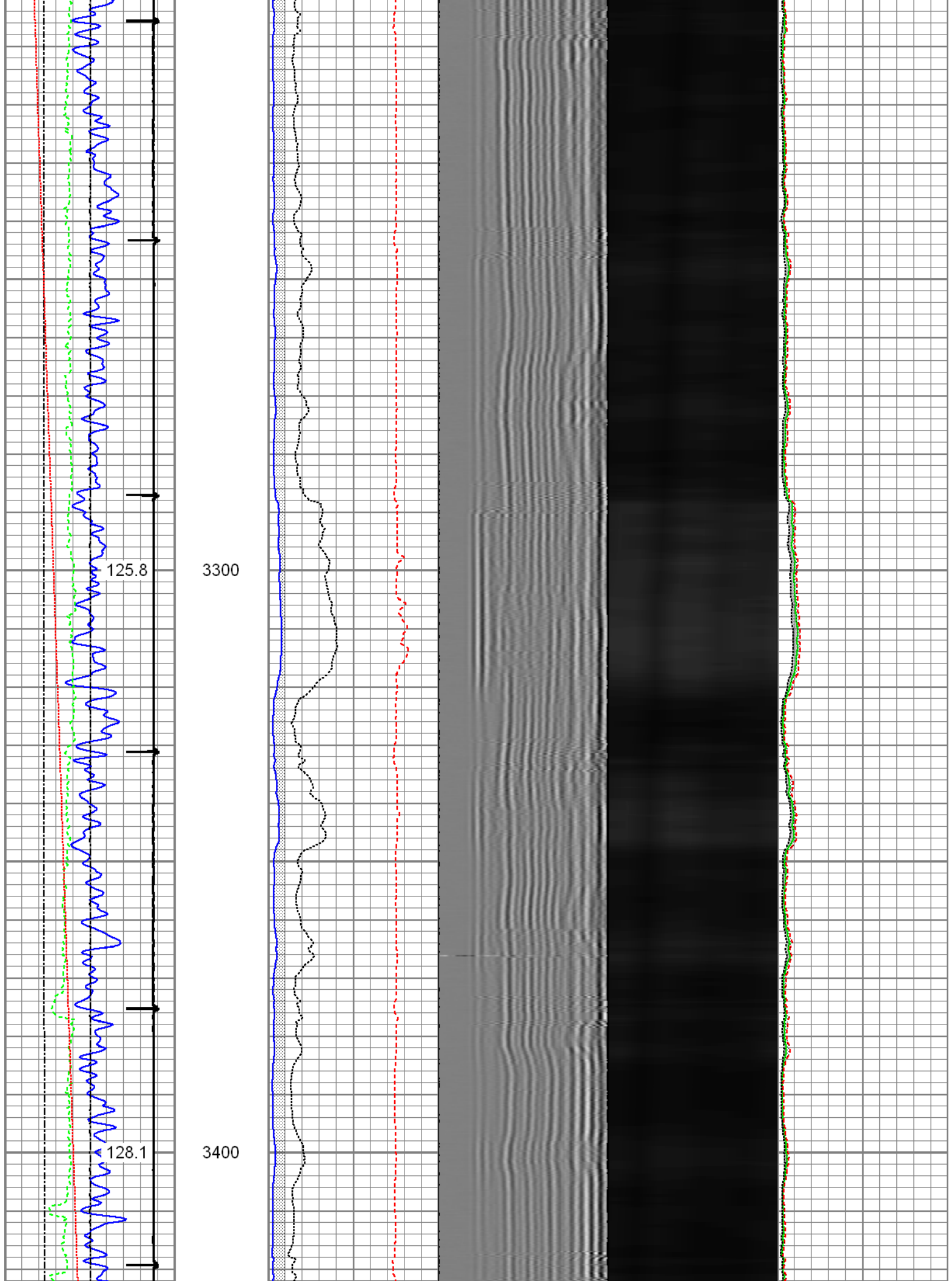


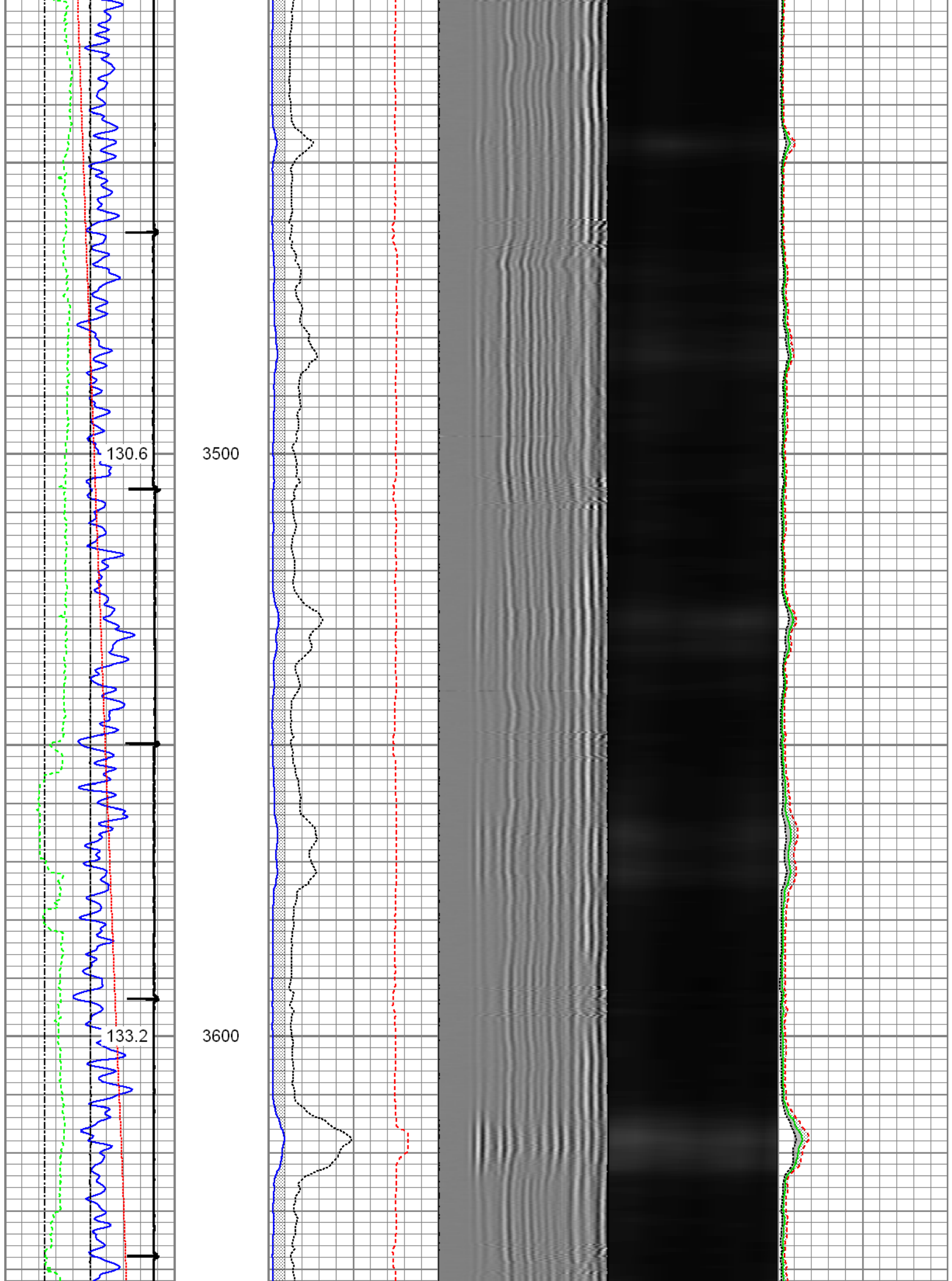


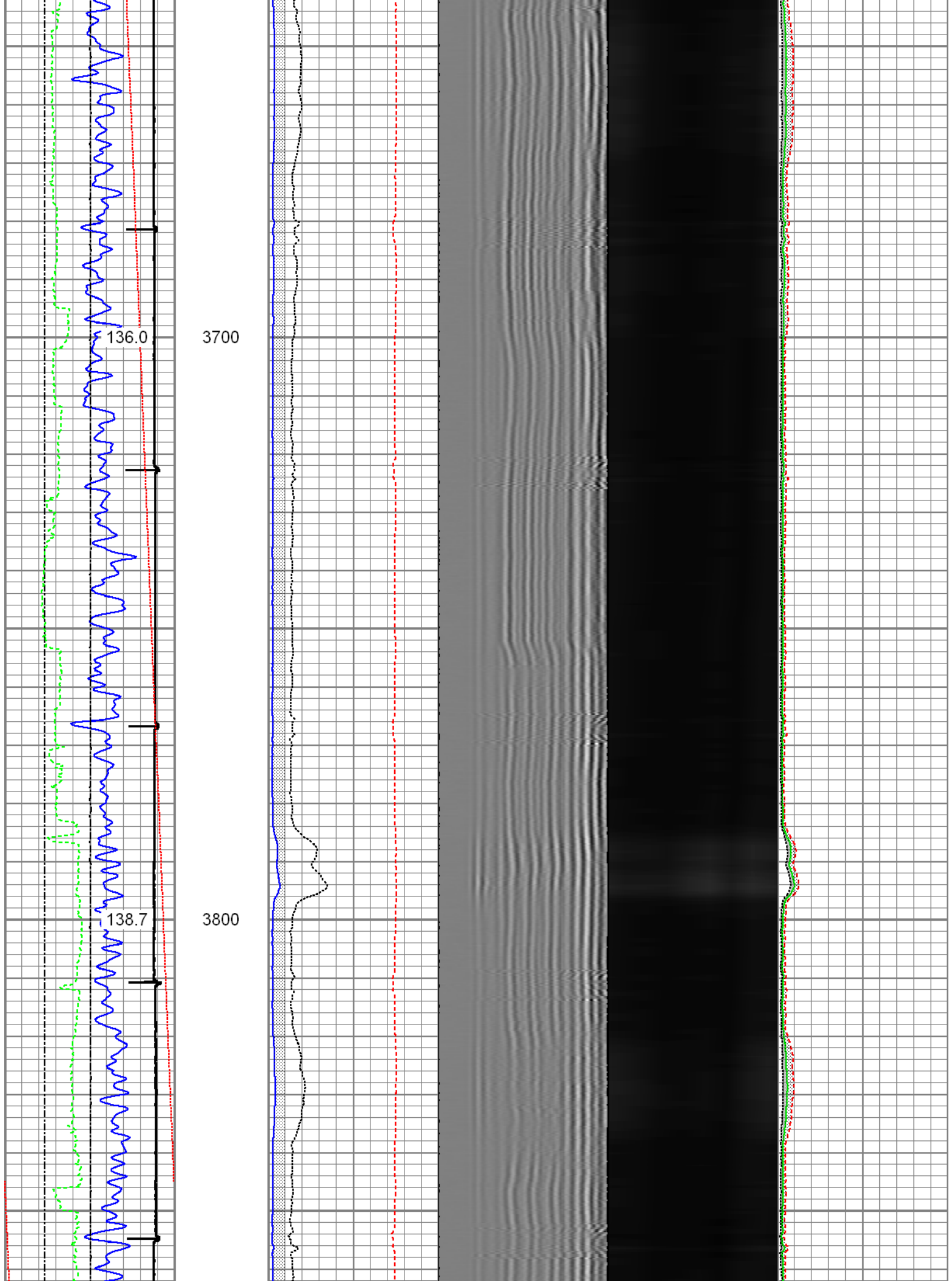


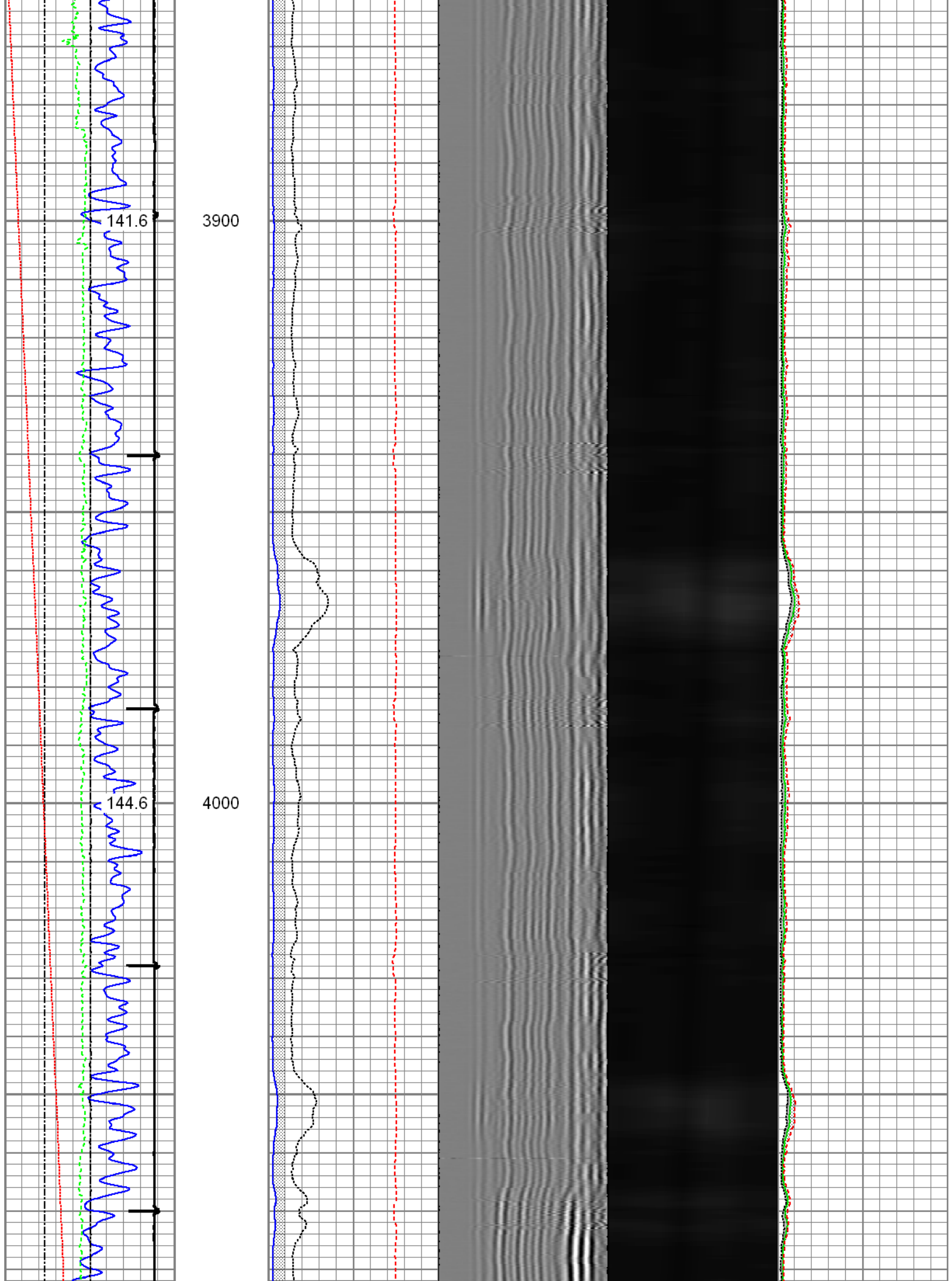


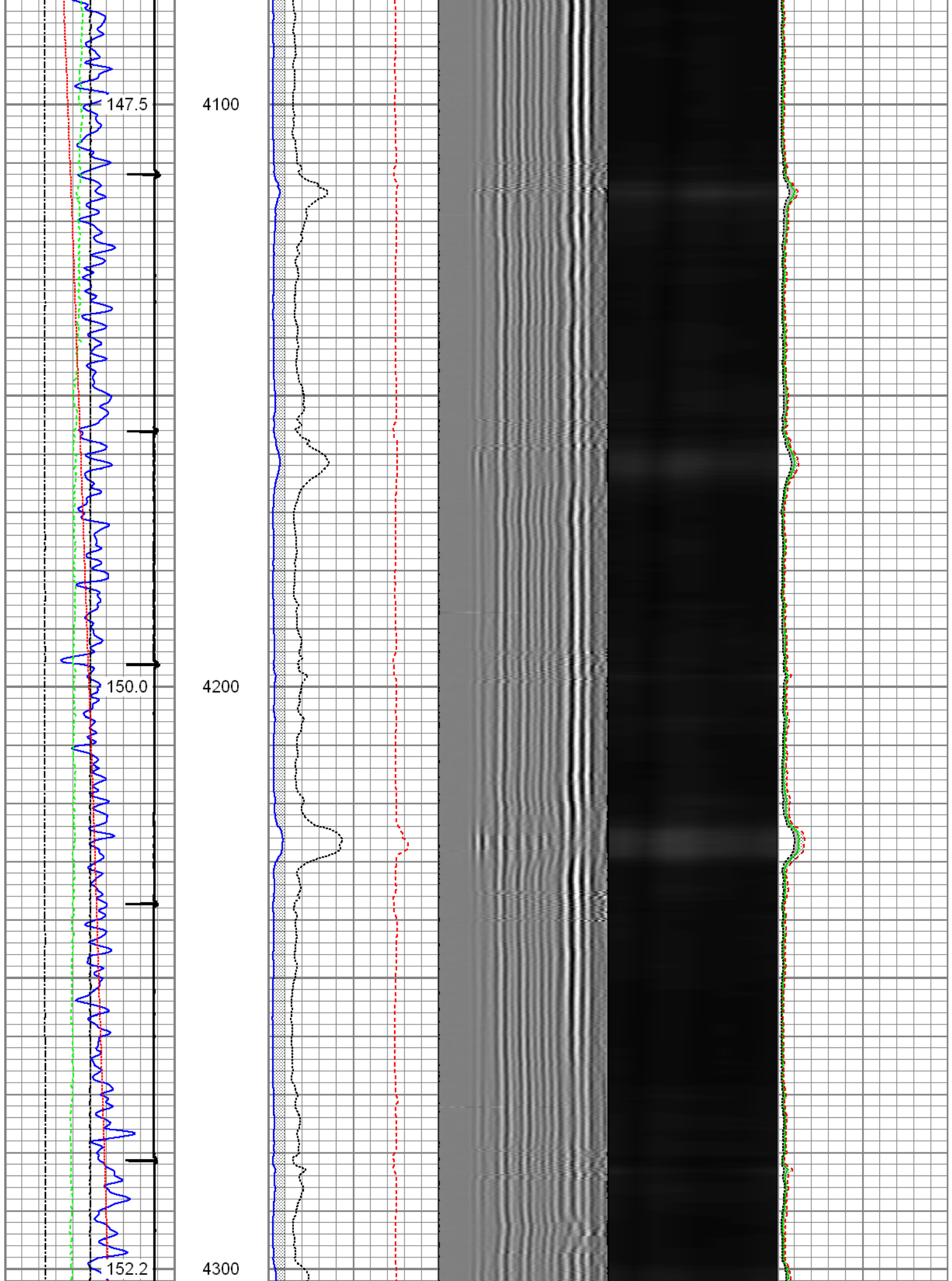


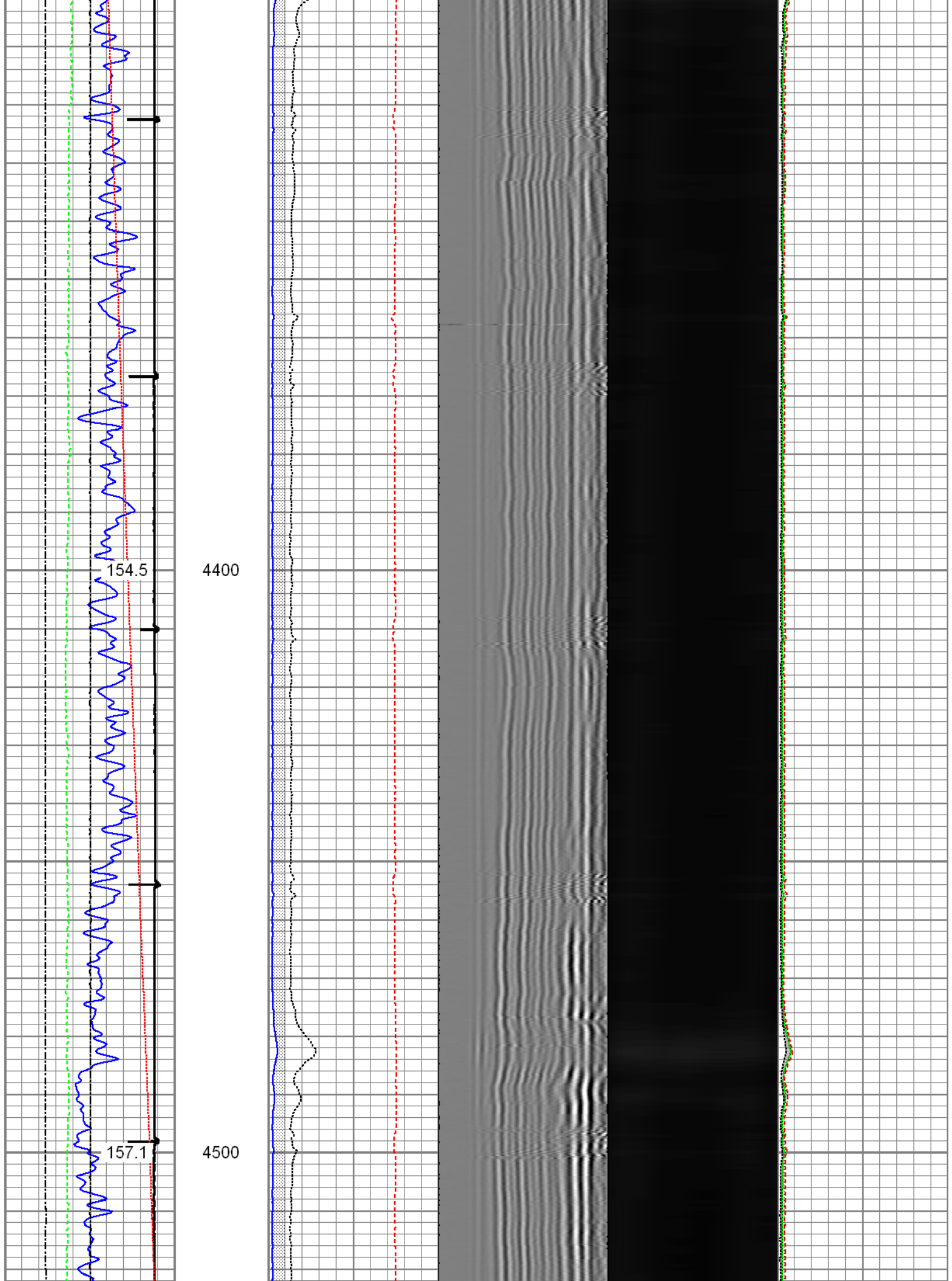


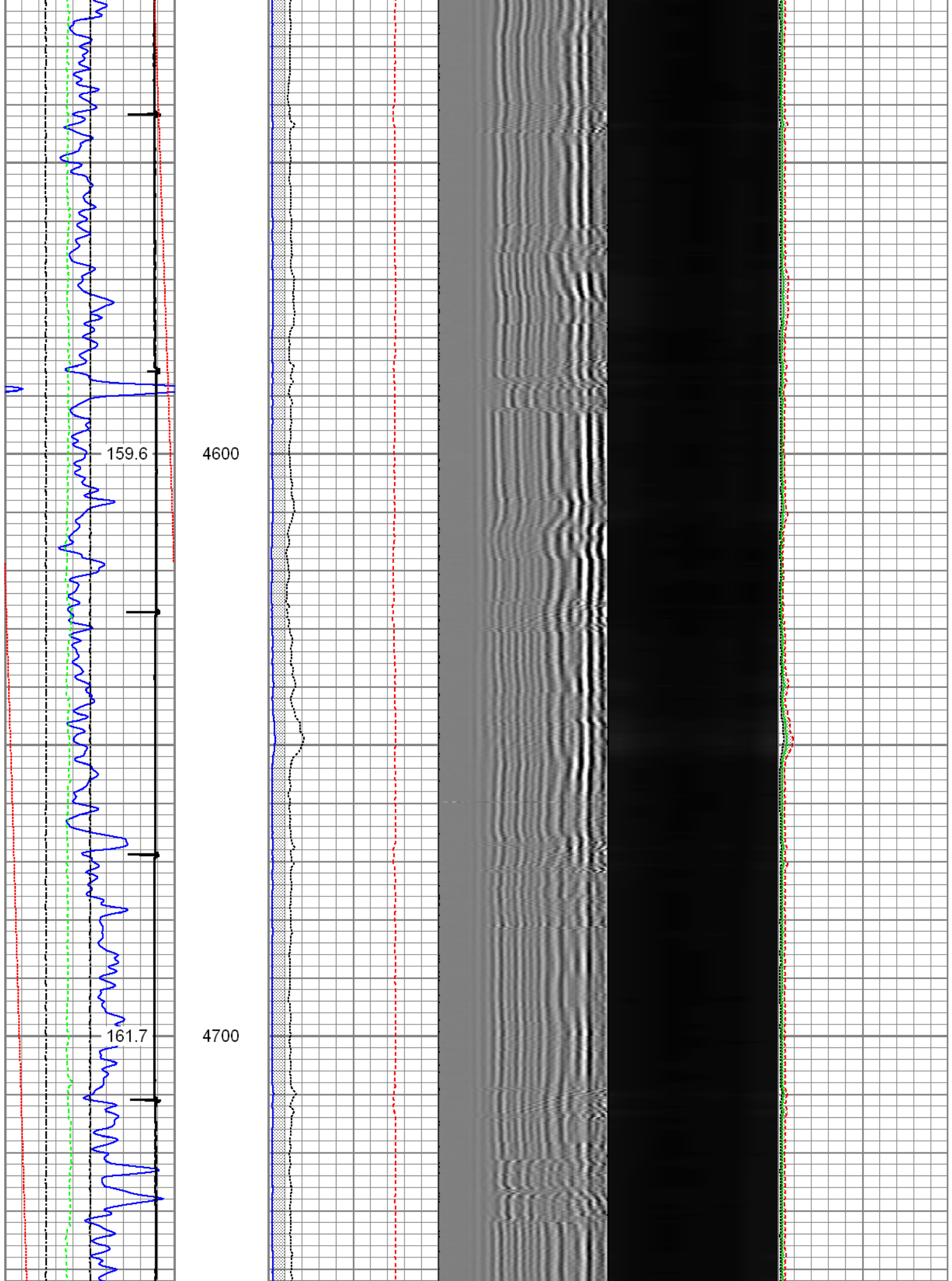


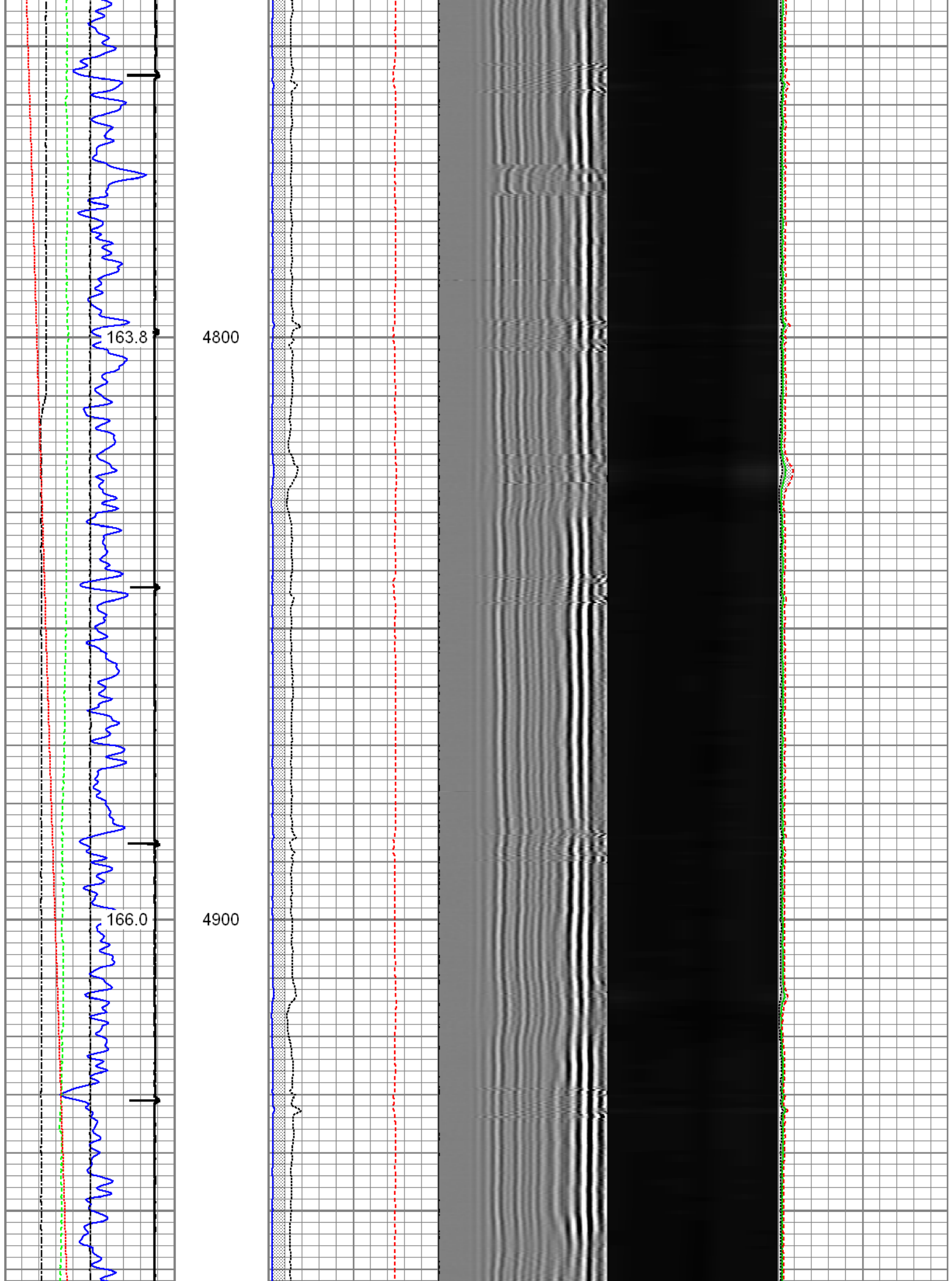


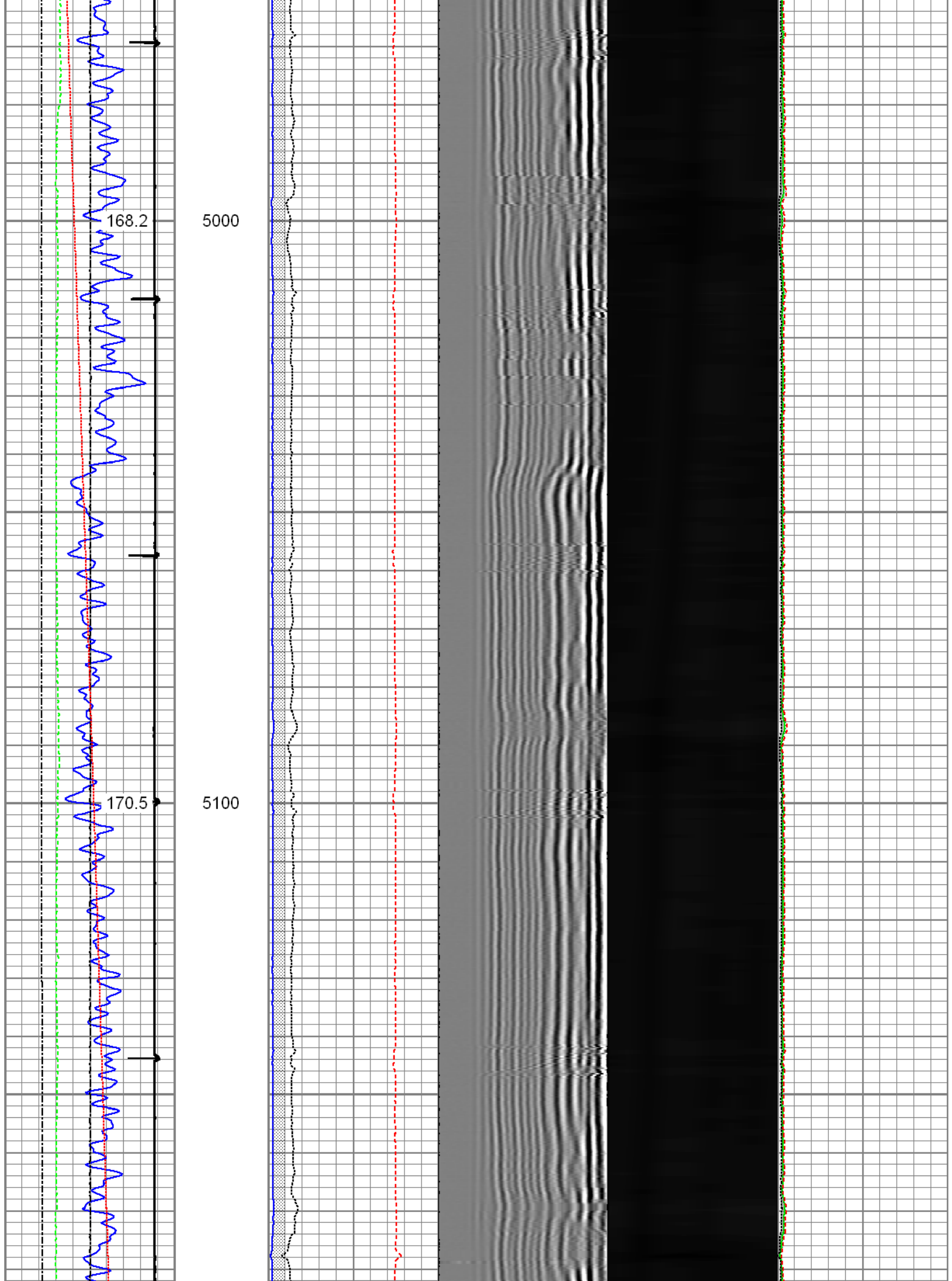


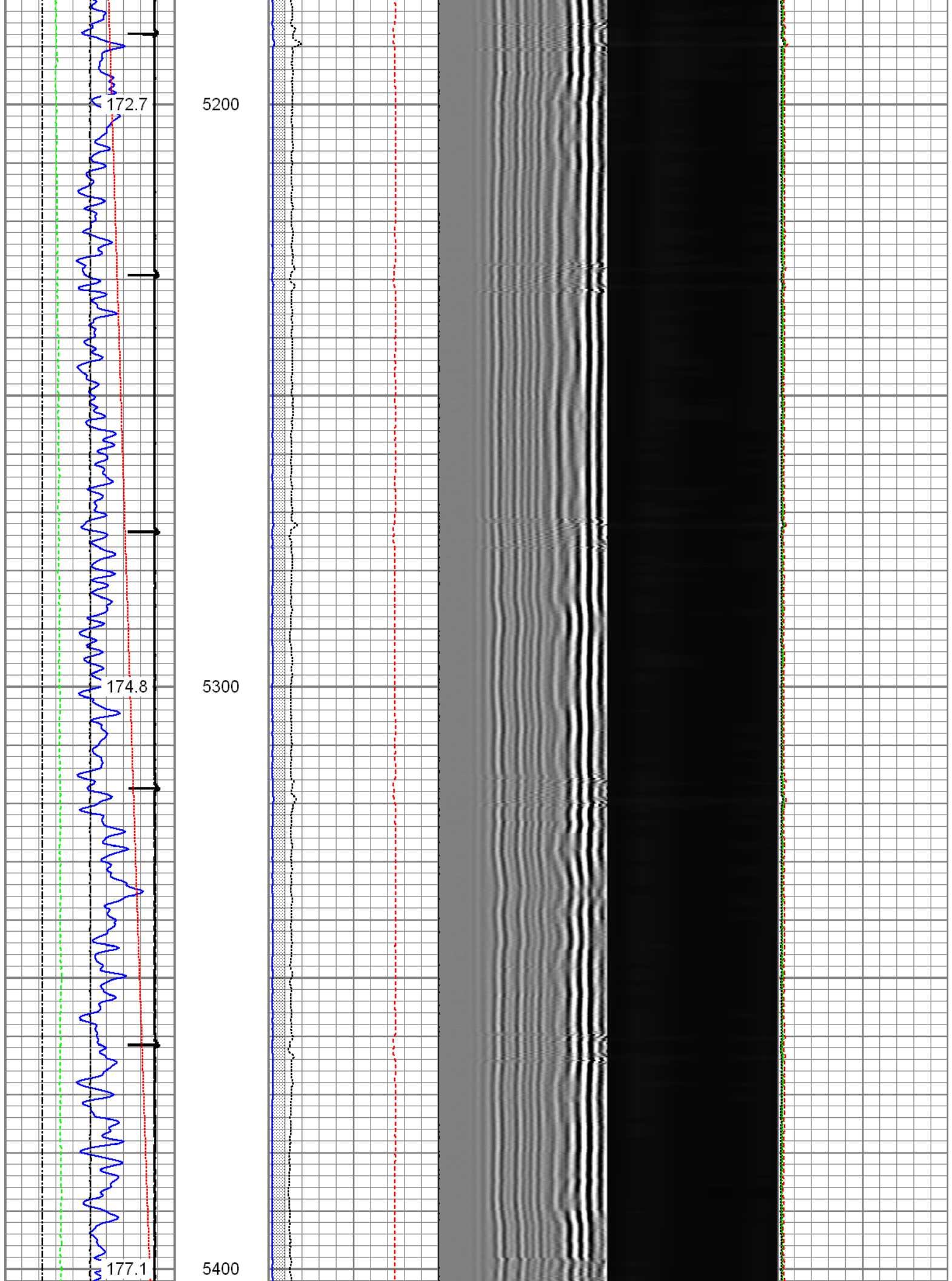


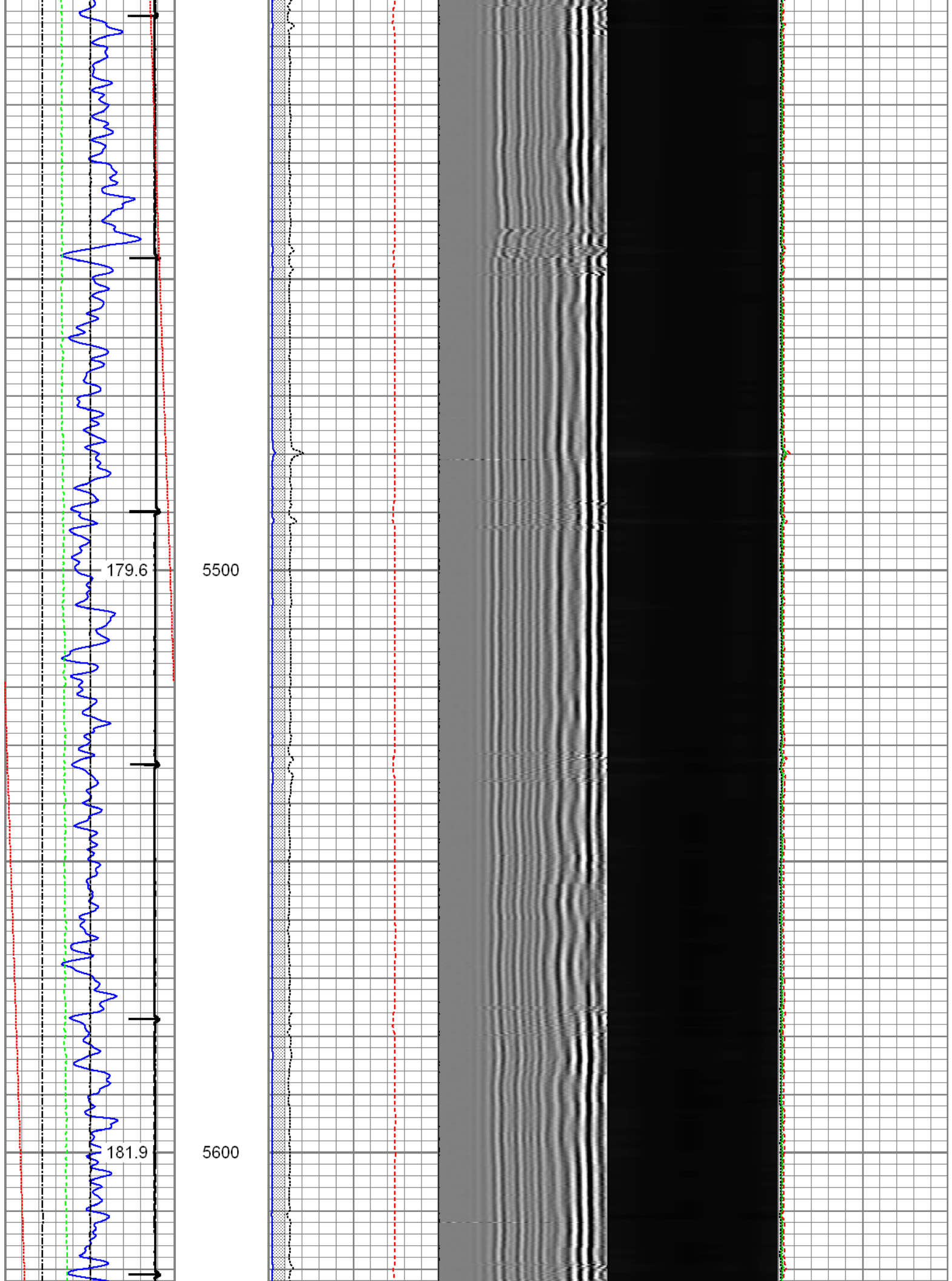


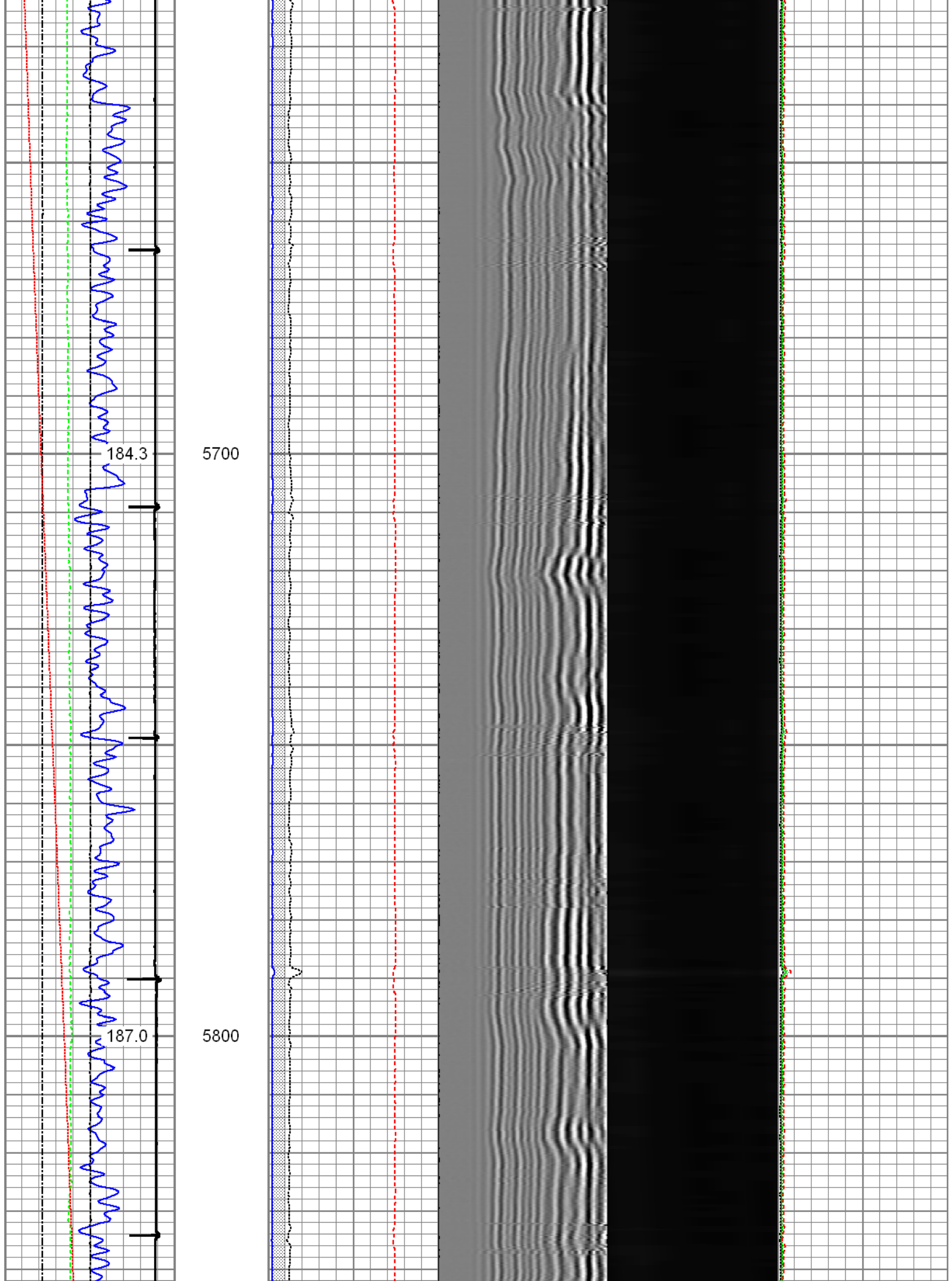


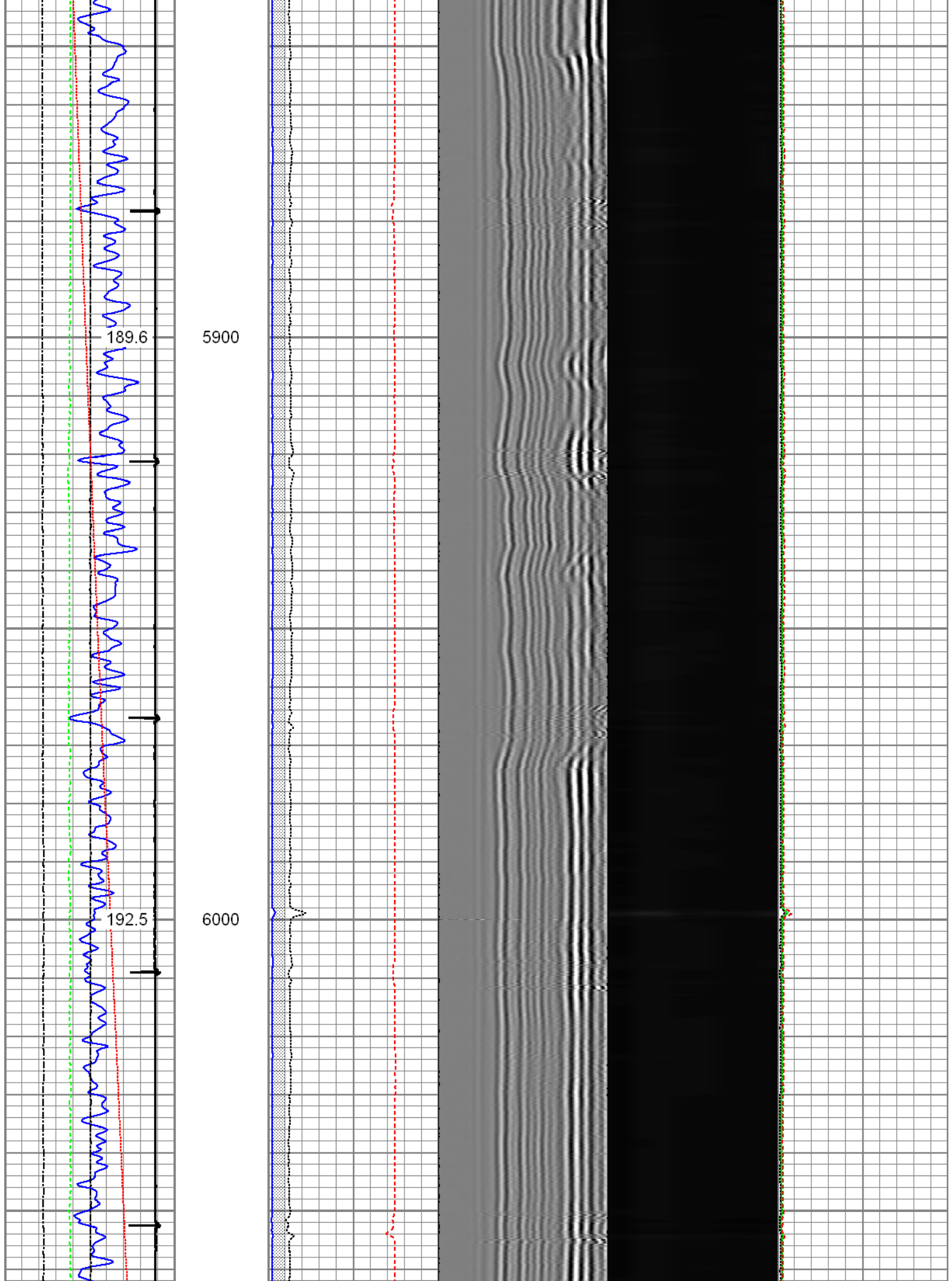


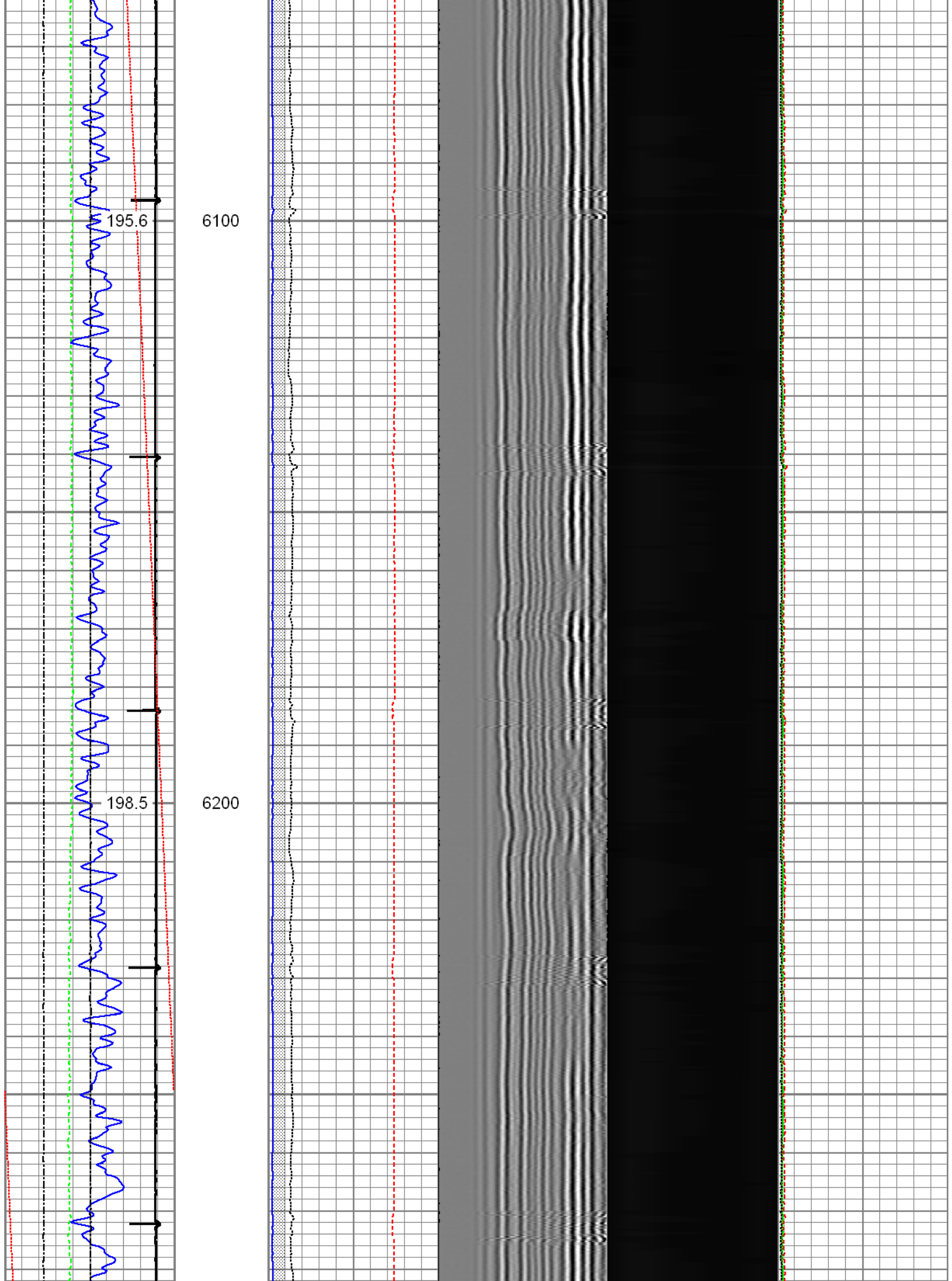


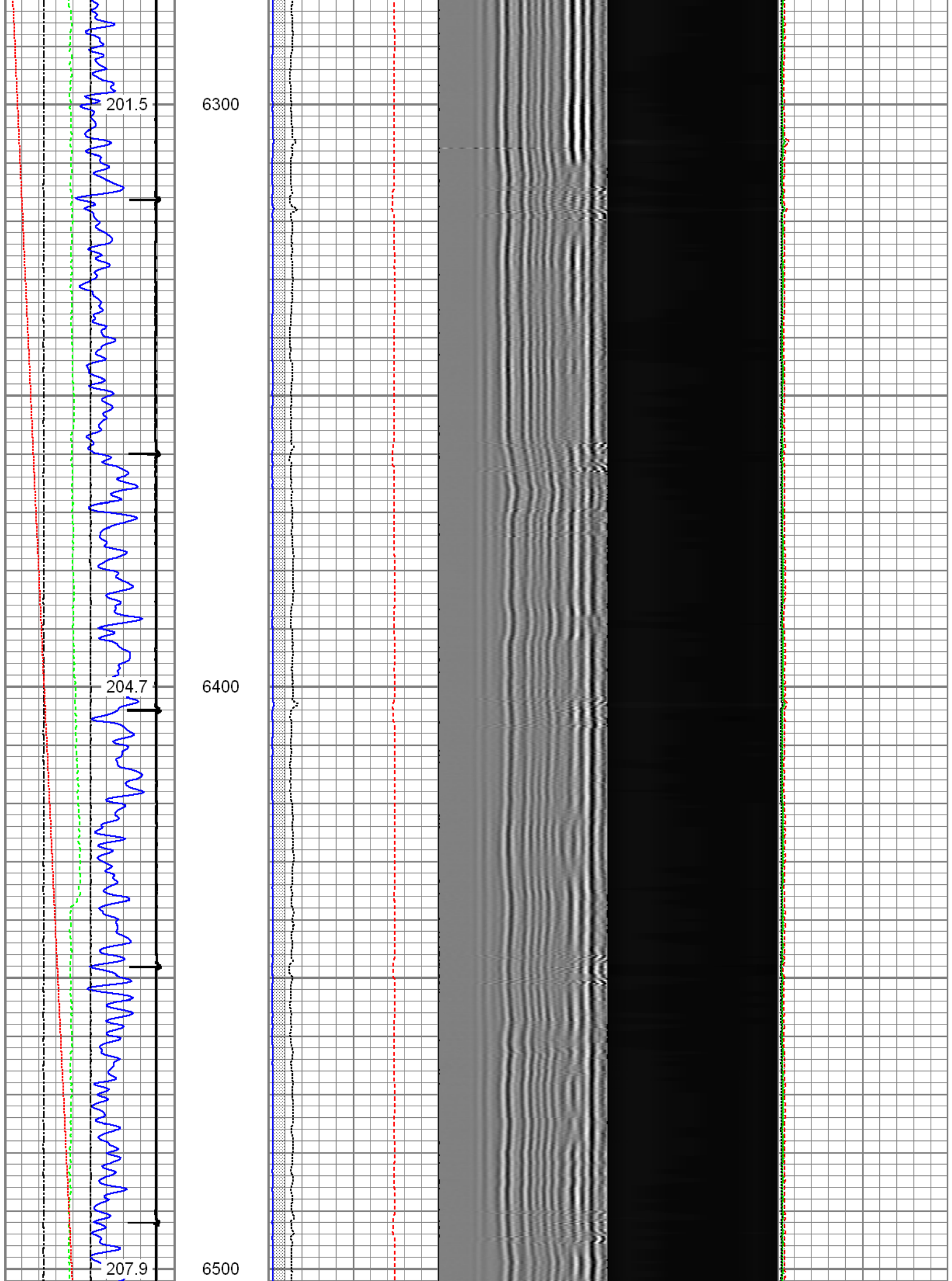


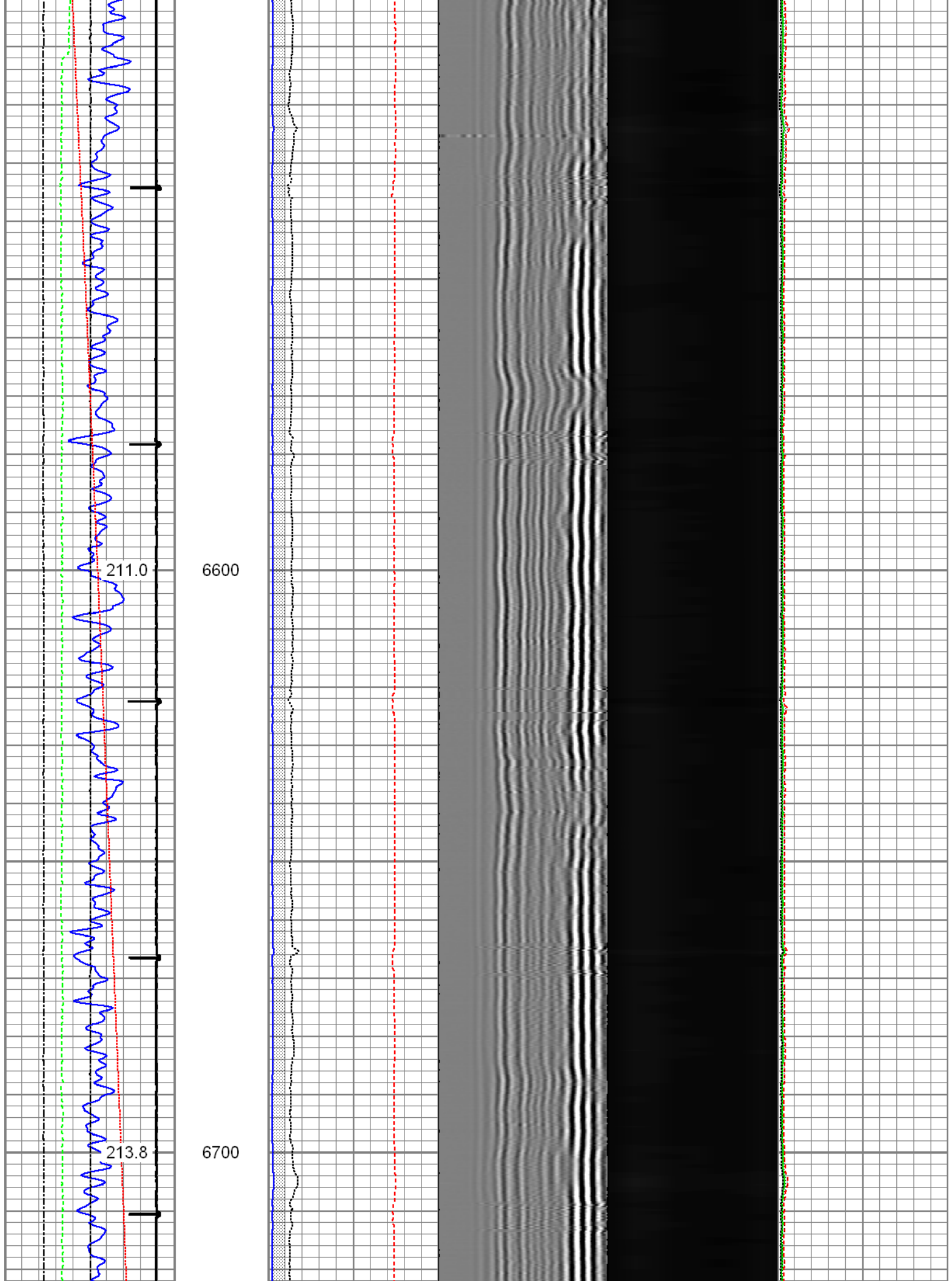


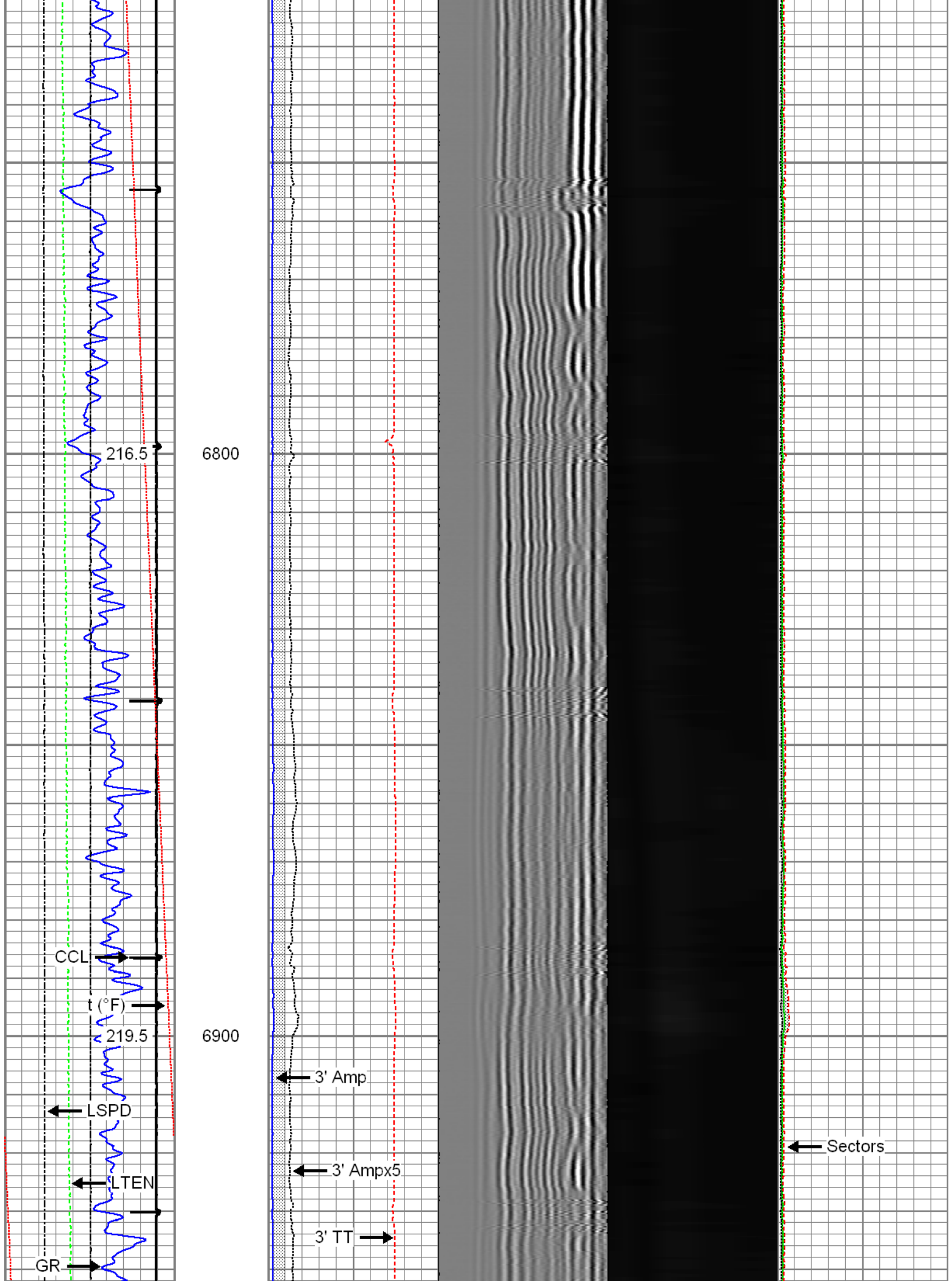


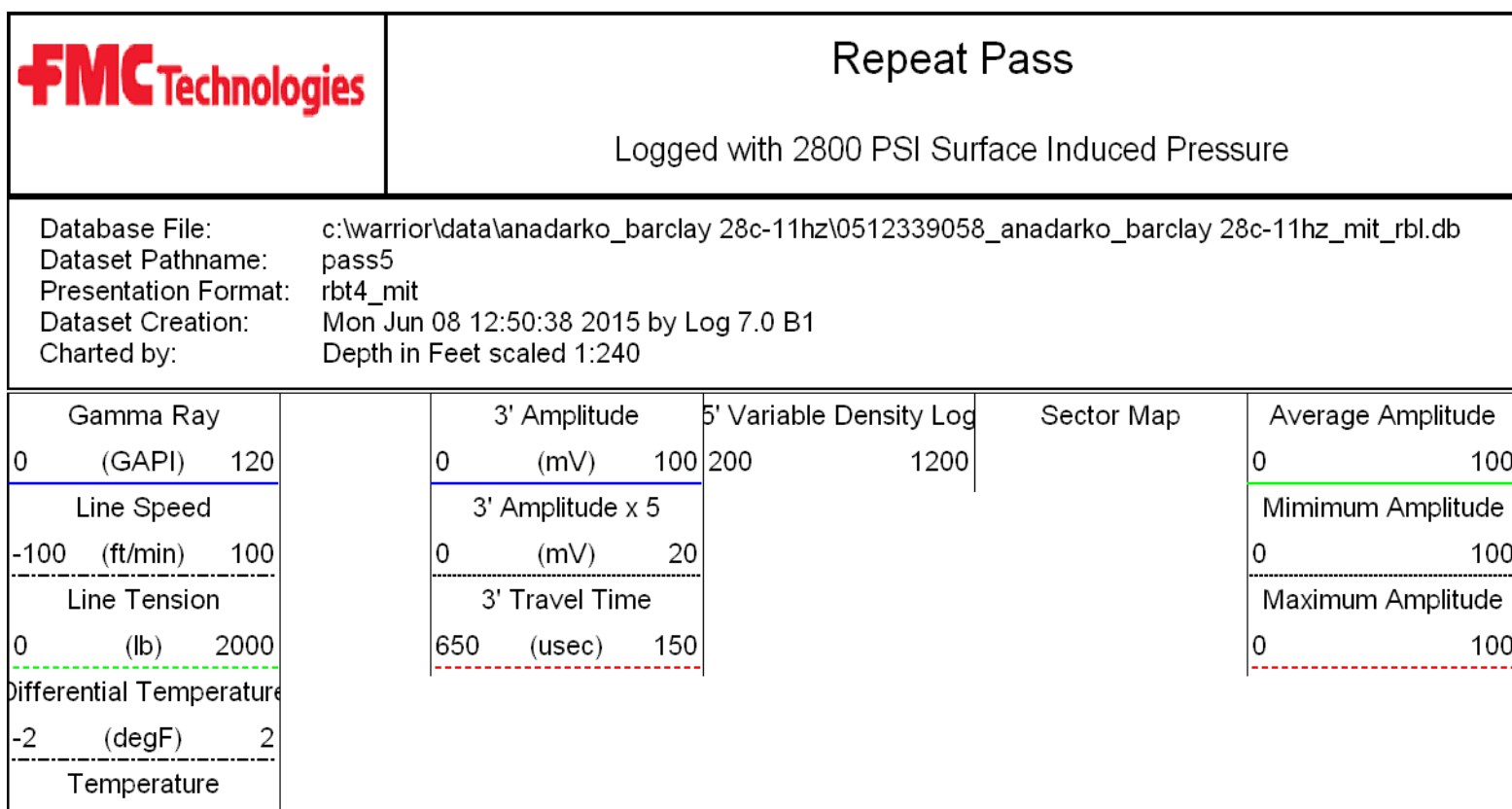
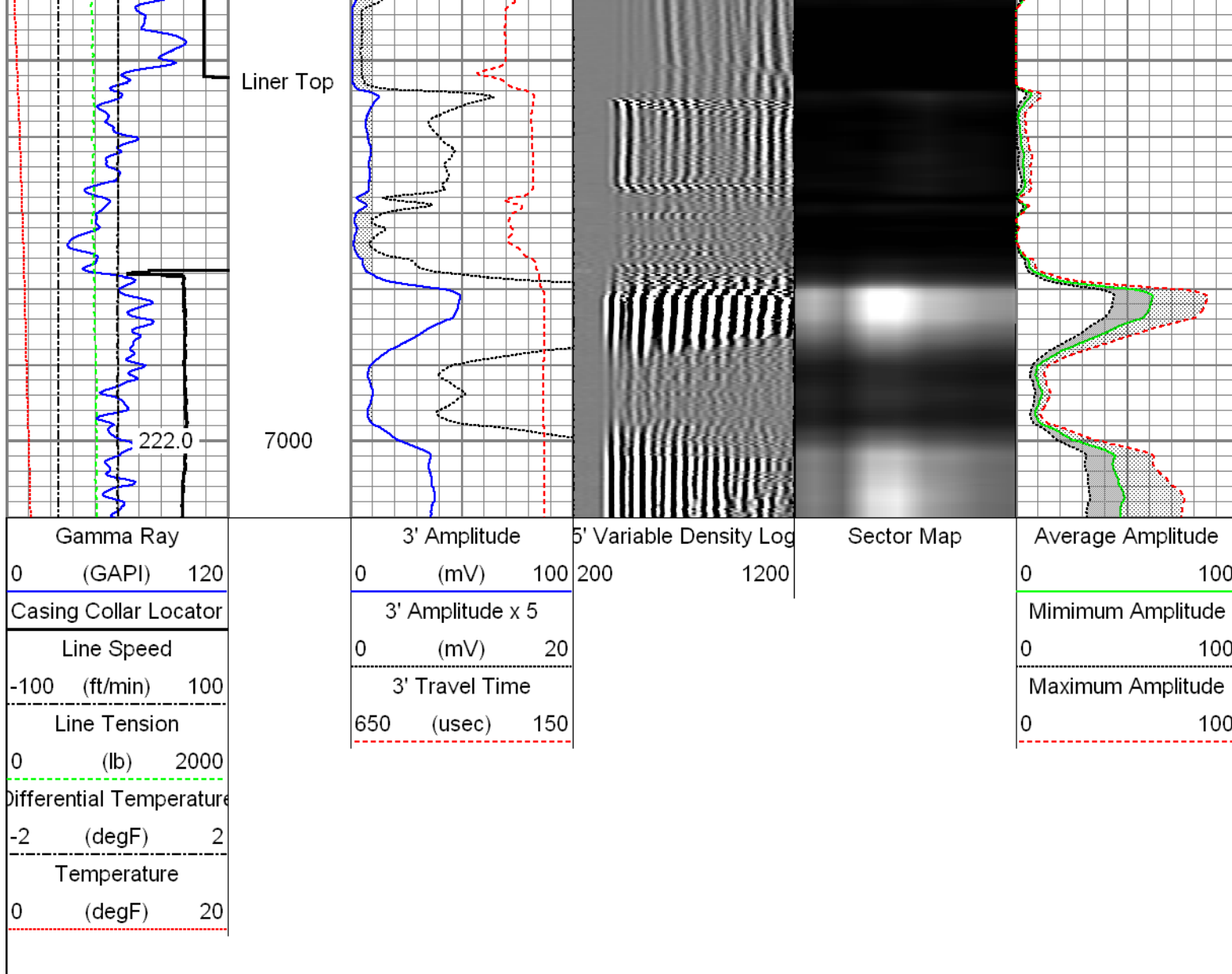




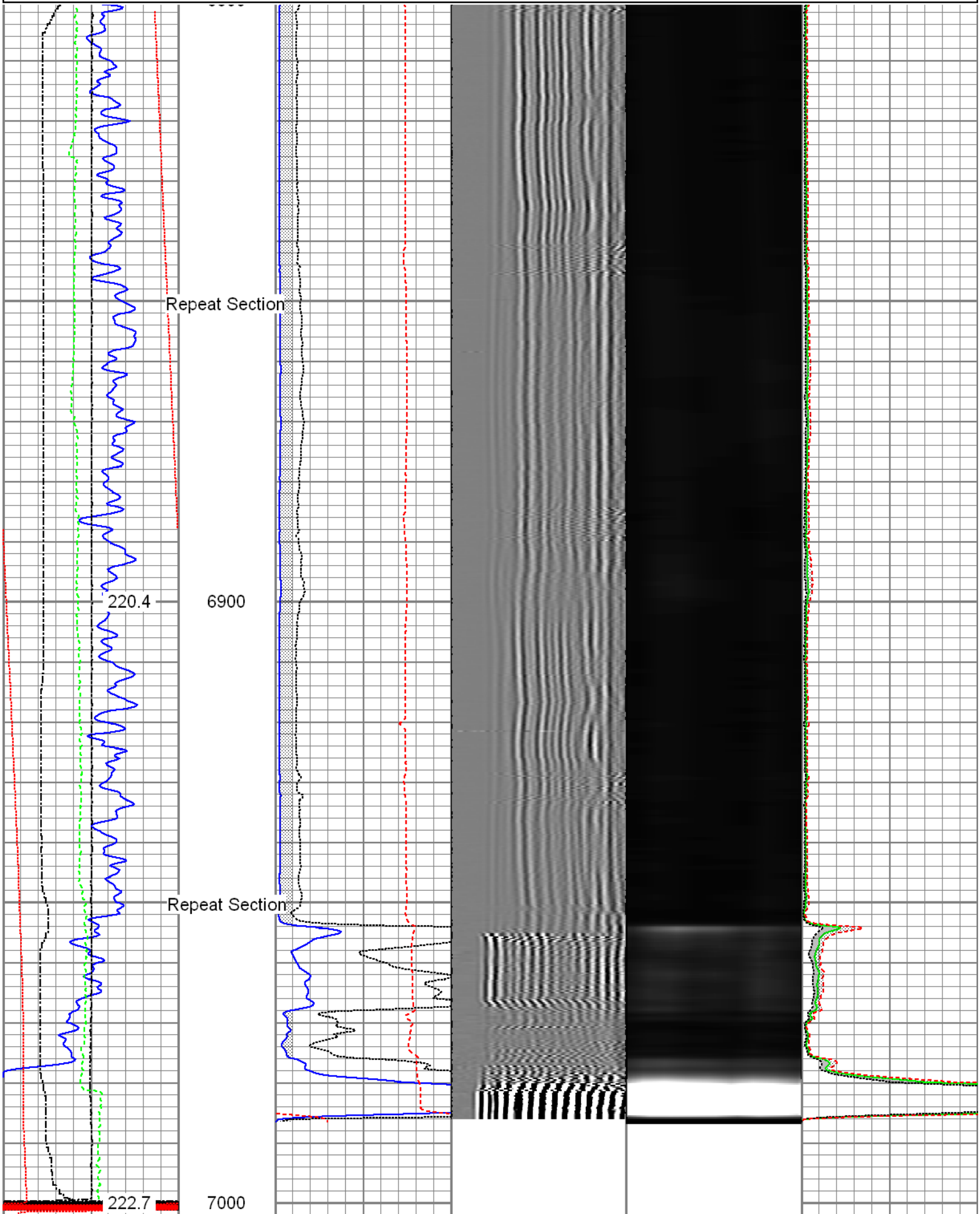





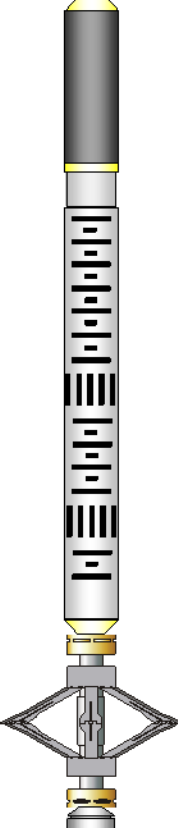


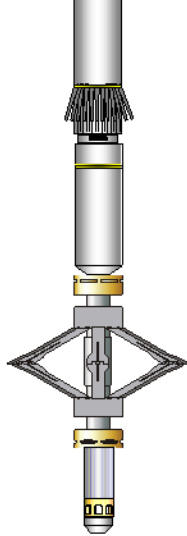


0 (degF) 20



Repeat Section						
Gamma Ray			3' Amplitude		5' Variable Density Log	
0	(GAPI)	120	0	(mV)	100	200
Line Speed			3' Amplitude x 5		Sector Map	
-100	(ft/min)	100	0	(mV)	20	Average Amplitude
Line Tension			3' Travel Time			
0	(lb)	2000	650	(usec)	150	Minimum Amplitude
Differential Temperature						
-2	(degF)	2				
Temperature						
0	(degF)	20				

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	23.85		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 (10019371) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC #3 -UW_PRC_057 (1038) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
WVF3FT	16.03		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3- 1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	16.03					
WVFS2	16.03					
WVFS3	16.03					
WVFS4	16.03					
WVFS5	16.03					
WVFS6	16.03					
WVFS7	16.03					
WVFS8	16.03					
CBLTEMP	16.03					
CBLROT	16.03					
WVF5FT	15.03		UW_PRC-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00

MIT	6.02		UW_MIT-UW_MIT40_027 (218949) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #4 -DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
			UW_PRT-UW_PRT_016 (10025095) Platinum Resistance Thermometer	1.04	1.69	5.20
TEMP TSTAMP	0.37 0.00		UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512339058_anadarko_barclay 28c-11hz_mit_rbl.db: field/well/run1/pass8 Total Length: 28.09 ft Total Weight: 324.50 lb O.D. 3.13 in						

Calibration Report					
Database File:	c:\warrior\data\anadarko_barclay 28c-11hz\0512339058_anadarko_barclay 28c-11hz_mit_rbl.db				
Dataset Pathname:	pass8				
Dataset Creation:	Mon Jun 08 13:05:03 2015 by Log 7.0 B1				
Temperature Calibration Report					
Serial Number:		10025095			
Tool Model:		UW_PRT_016			
Performed:		Wed Feb 11 13:43:20 2015			
Point #	Reading			Reference	
1	12798.00	cps	68.00	degF	
2	18136.00	cps	104.00	degF	
3	29513.00	cps	176.00	degF	
4	40905.00	cps	248.00	degF	
5	52487.00	cps	320.00	degF	
6	58362.00	cps	356.00	degF	
7		cps		degF	
8		cps		degF	
9		cps		degF	
10		cps		degF	

Multi-finger Imaging Tool Calibration Report			
Serial Number:		218949	
Number of Fingers:		40	
Tool Model:		UW_MIT40_027	
Inclinometer Calibration Report			
Performed:		Mon, Oct, 06 14:03:04 2008	
Calibration Angle:		45	
		Inc X	Inc Y
Vertical:		1996	1984
Finger 1 up:		1780	1738
Finger 31 up:		2235	1756
Finger 21 up:		2216	2228
Finger 11 up:		1736	2196
Sensitivity ratio:	1.0062		
X-axis angle:	131.534		

Finger Calibration Report

Performed:

Mon Jun 08 09:25:32 2015

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1376	278.0	1654	296.0	1950	306.0	2256
Finger 02:	1438	271.0	1709	294.0	2003	302.0	2305
Finger 03:	1649	274.0	1923	288.0	2211	286.0	2497
Finger 04:	1658	272.0	1930	285.0	2215	280.0	2495
Finger 05:	1518	253.0	1771	277.0	2048	277.0	2325
Finger 06:	1504	253.0	1757	272.0	2029	269.0	2298
Finger 07:	1321	264.0	1585	294.0	1879	294.0	2173
Finger 08:	1510	251.0	1761	273.0	2034	269.0	2303
Finger 09:	1379	260.0	1639	292.0	1931	290.0	2221
Finger 10:	1445	259.0	1704	286.0	1990	279.0	2269
Finger 11:	1433	253.0	1686	280.0	1966	276.0	2242
Finger 12:	1275	269.0	1544	303.0	1847	302.0	2149
Finger 13:	1526	274.0	1800	299.0	2099	289.0	2388
Finger 14:	1370	275.0	1645	303.0	1948	301.0	2249
Finger 15:	1489	259.0	1748	282.0	2030	281.0	2311
Finger 16:	1354	278.0	1632	302.0	1934	303.0	2237
Finger 17:	1587	273.0	1860	287.0	2147	285.0	2432
Finger 18:	1333	286.0	1619	311.0	1930	320.0	2250
Finger 19:	1597	263.0	1860	267.0	2127	265.0	2392
Finger 20:	1468	266.0	1734	280.0	2014	289.0	2303
Finger 21:	1561	254.0	1815	261.0	2076	271.0	2347
Finger 22:	1499	278.0	1777	287.0	2064	301.0	2365
Finger 23:	1326	277.0	1603	289.0	1892	305.0	2197
Finger 24:	1654	273.0	1927	271.0	2198	284.0	2482
Finger 25:	1346	294.0	1640	305.0	1945	328.0	2273
Finger 26:	1525	293.0	1818	291.0	2109	314.0	2423
Finger 27:	1460	268.0	1728	265.0	1993	287.0	2280
Finger 28:	1627	283.0	1910	281.0	2191	303.0	2494
Finger 29:	1474	280.0	1754	283.0	2037	306.0	2343
Finger 30:	1434	273.0	1707	288.0	1995	314.0	2309
Finger 31:	1537	274.0	1811	271.0	2082	295.0	2377
Finger 32:	1355	271.0	1626	275.0	1901	302.0	2203
Finger 33:	1627	303.0	1930	306.0	2236	324.0	2560
Finger 34:	1552	275.0	1827	273.0	2100	290.0	2390
Finger 35:	1454	269.0	1723	277.0	2000	295.0	2295
Finger 36:	1605	279.0	1884	286.0	2170	299.0	2469
Finger 37:	1611	277.0	1888	280.0	2168	294.0	2462
Finger 38:	1499	274.0	1773	285.0	2058	298.0	2356
Finger 39:	1463	282.0	1745	295.0	2040	307.0	2347
Finger 40:	1590	276.0	1866	298.0	2164	302.0	2466

Segmented Cement Bond Log Calibration Report

Serial Number: 10013454
Tool Model: UW_RBT_004


Calibration Casing Diameter: 7.000 in
Calibration Depth: 14.968 ft

Master Calibration, performed Mon Jun 08 09:28:07 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	1.002	0.800	62.165	61.233	0.800
5FT	-0.002	0.990	0.800	62.165	61.836	0.951
S1	0.000	1.002	0.000	100.000	99.814	-0.004

S2	-0.002	1.002	0.000	100.000	99.541	0.243
S3	-0.002	1.007	0.000	100.000	99.156	0.179
S4	-0.002	1.007	0.000	100.000	99.051	0.242
S5	-0.001	1.009	0.000	100.000	98.942	0.121
S6	-0.002	1.009	0.000	100.000	98.851	0.234
S7	-0.001	0.998	0.000	100.000	100.098	0.122
S8	-0.001	1.000	0.000	100.000	99.911	0.113

Gamma Ray Calibration Report						
Serial Number:		10019371				
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	Barclay 28C-11HZ
	Field	Wattenberg
	County	Weld
	State	Colorado