

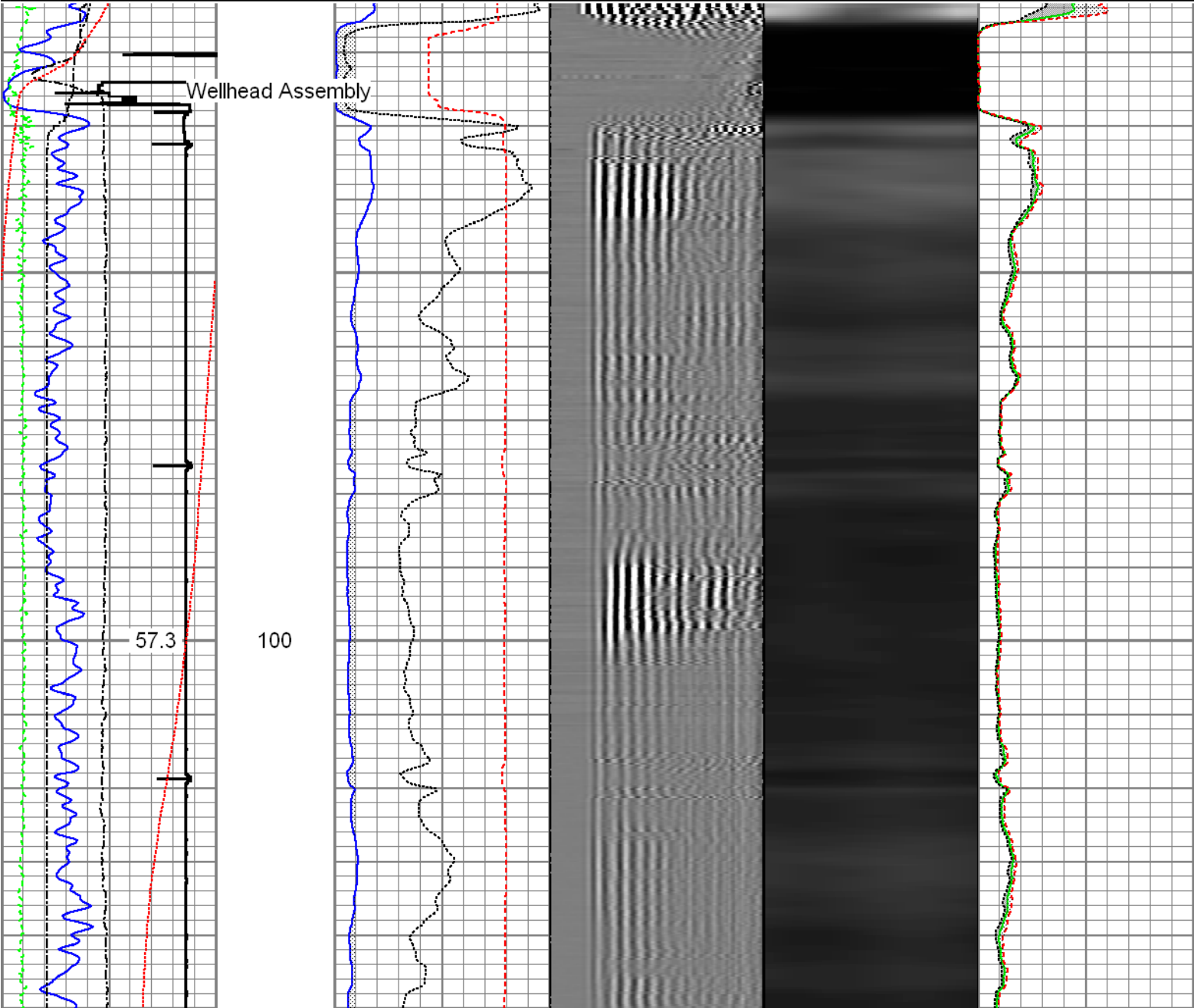


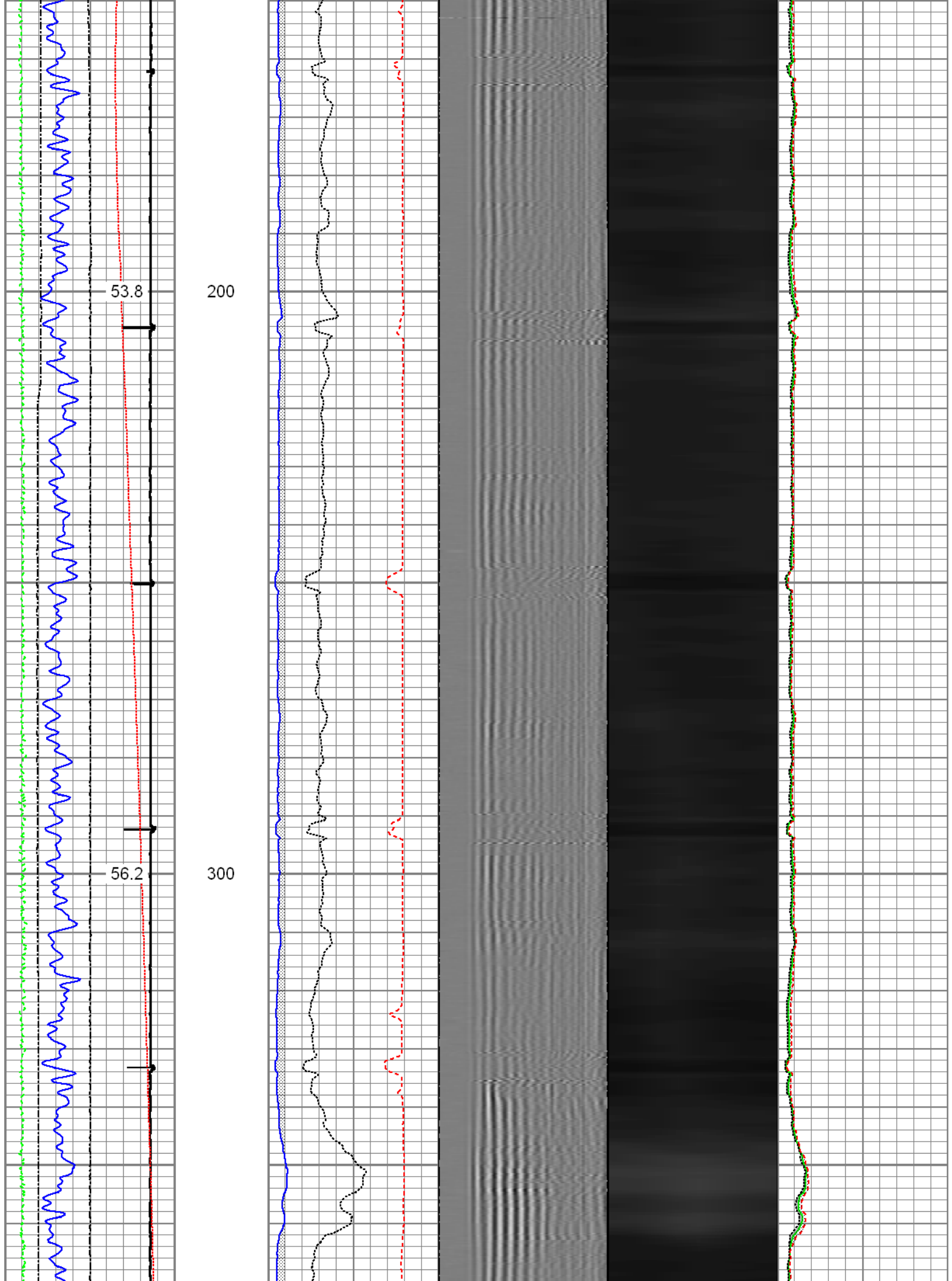
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 6317 FT Adjusted log +8 FT to correlate with Liner Top Gauge Ring/Junk Basket ran to 6900 FT with no debris found Log ran from 6800 FT to surface Log ran with 2800 PSI surface induced pressure Logging tools were clean and free of any debris upon completion of operations  Thank you for choosing FMC Technologies Completion Services, Inc.!!

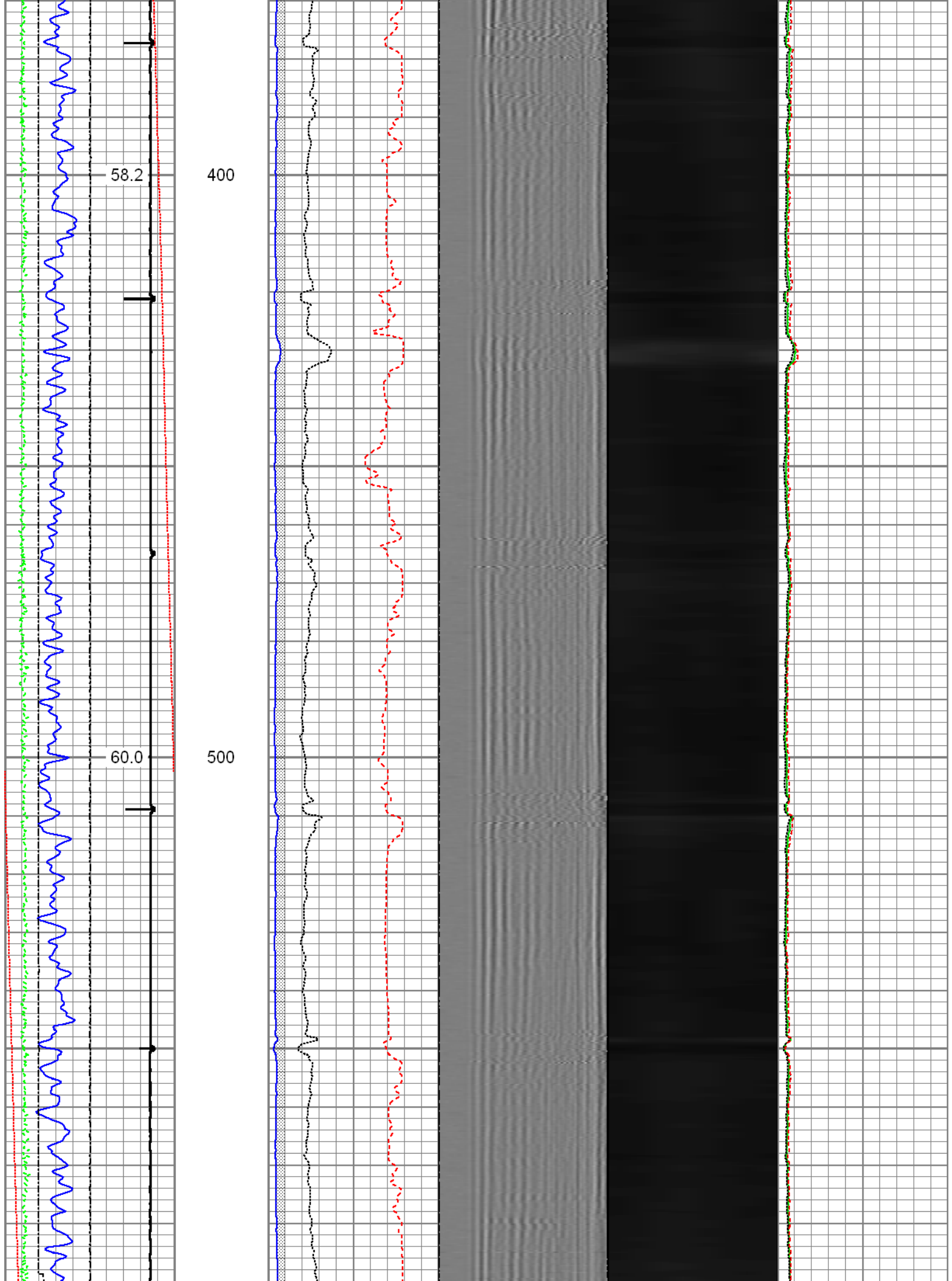


Recorded with 2800 PSI Surface Induced Pressure

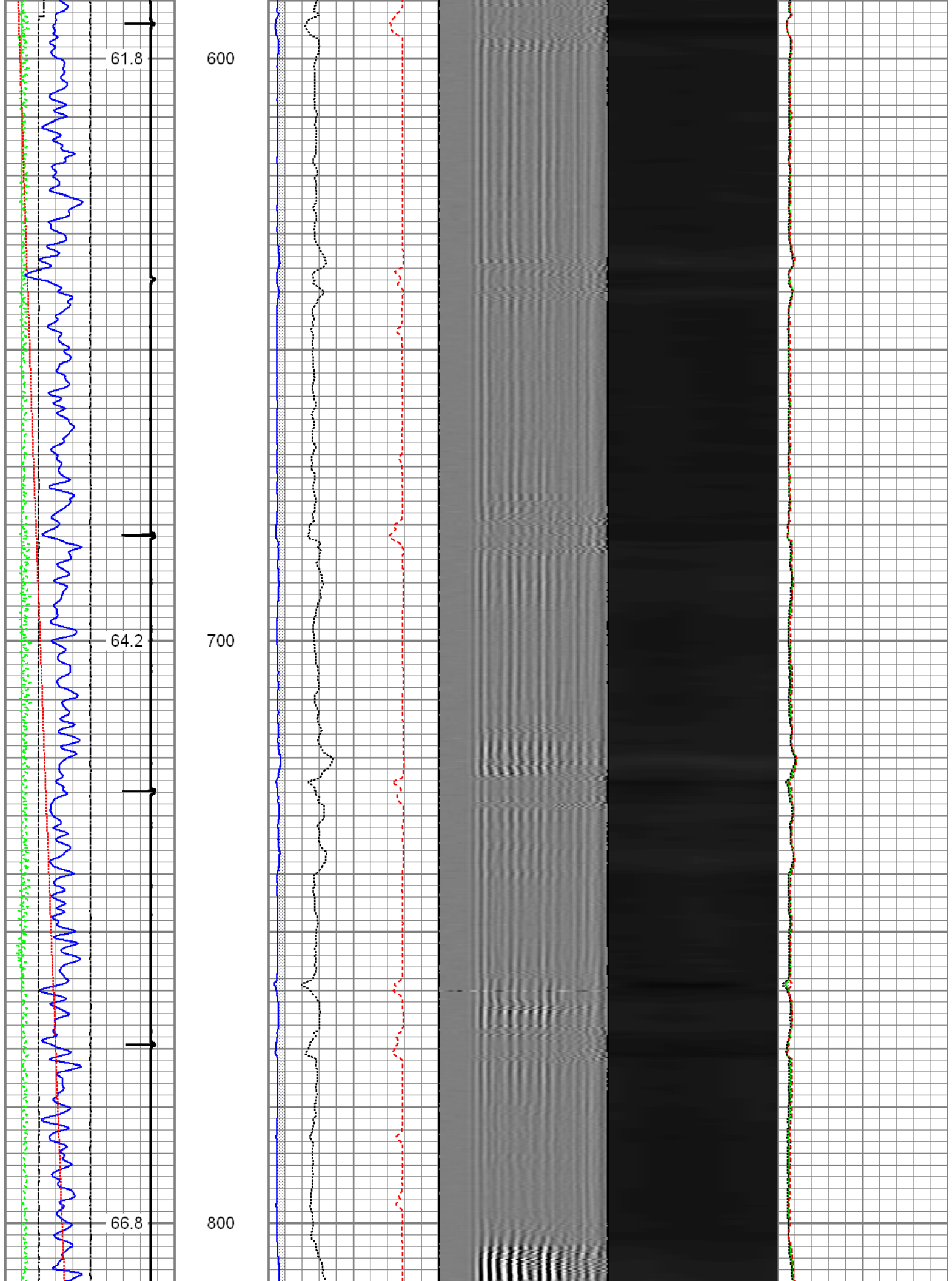
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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

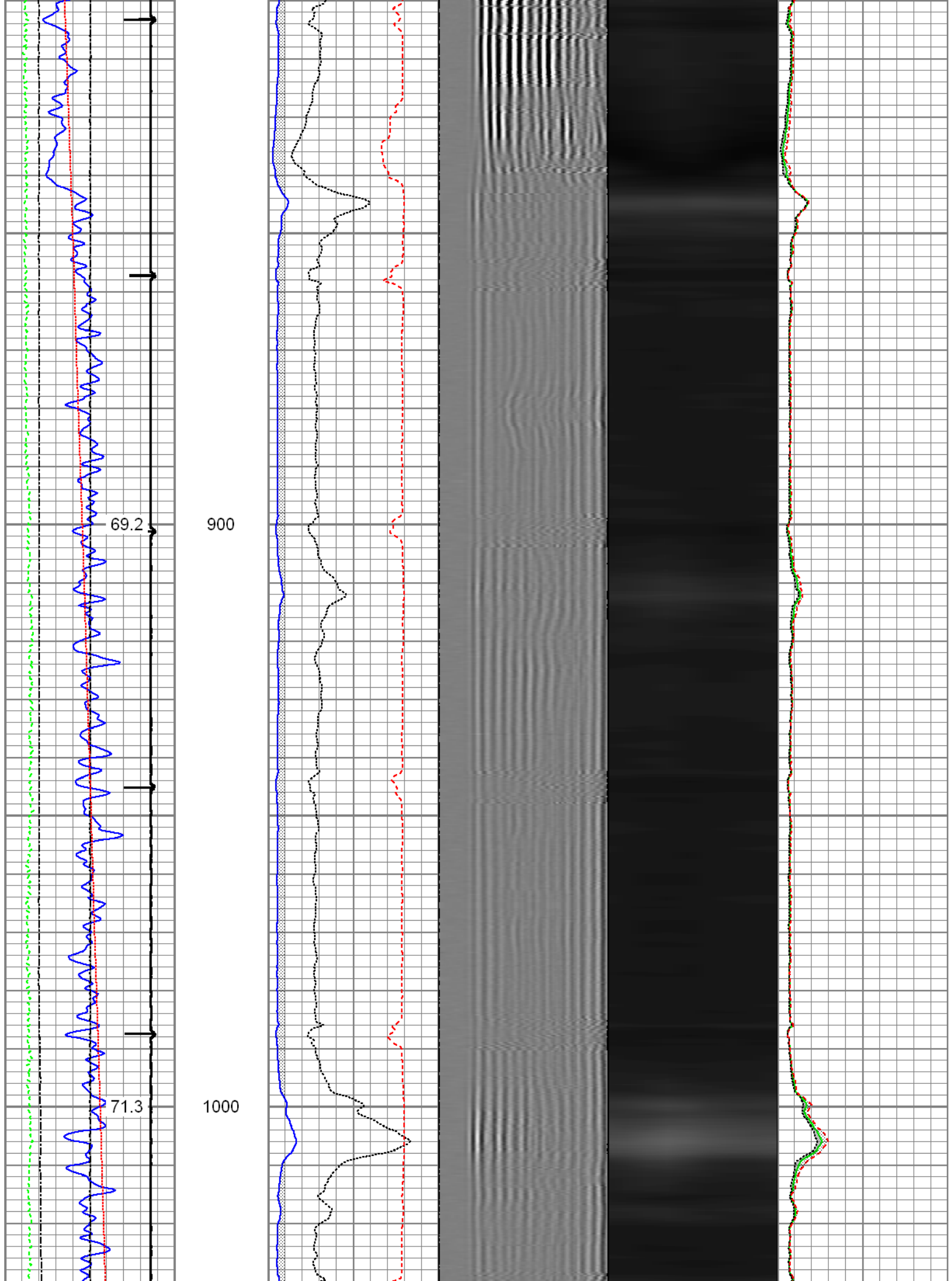


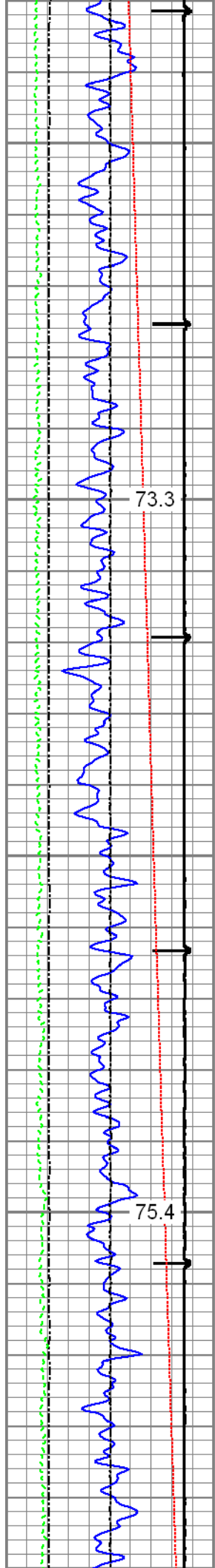






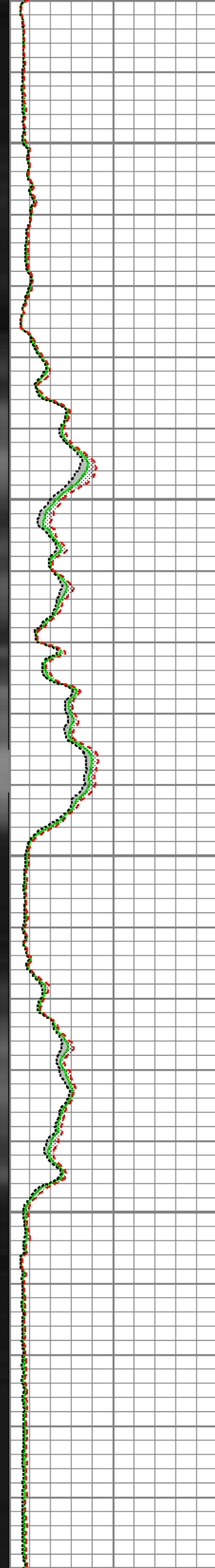
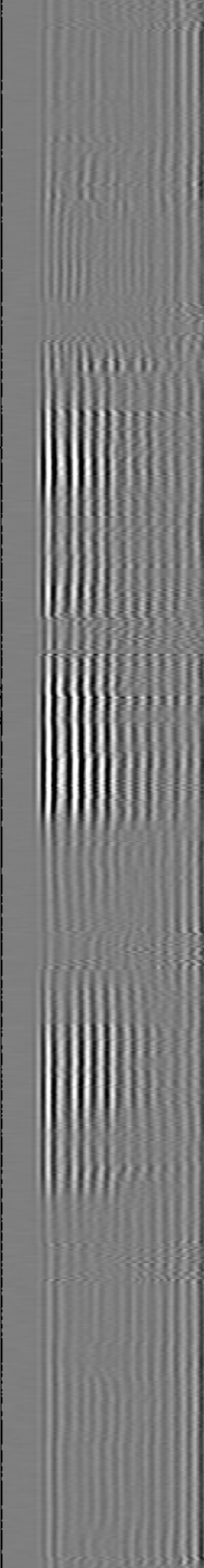
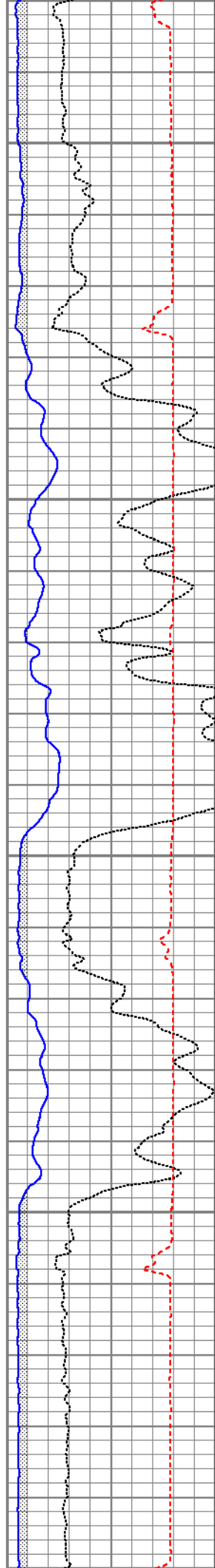


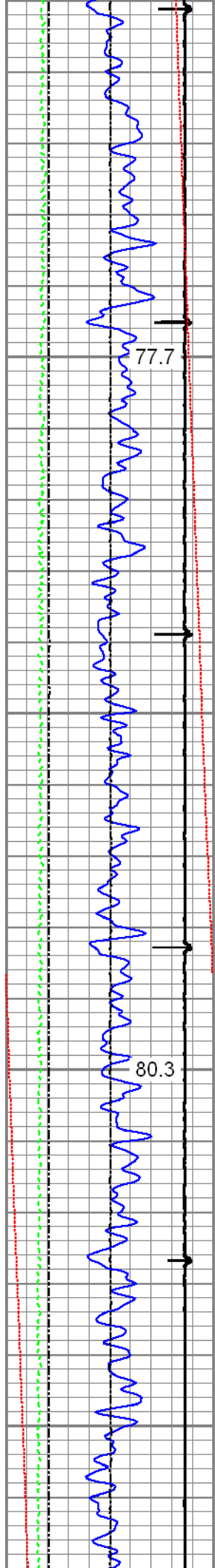




1100

1200



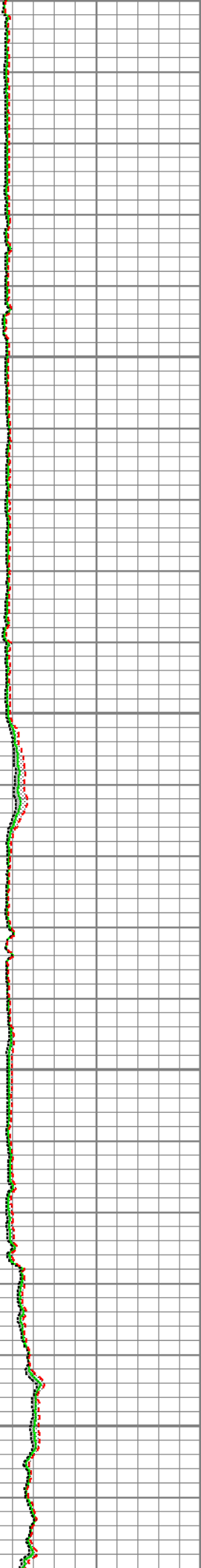
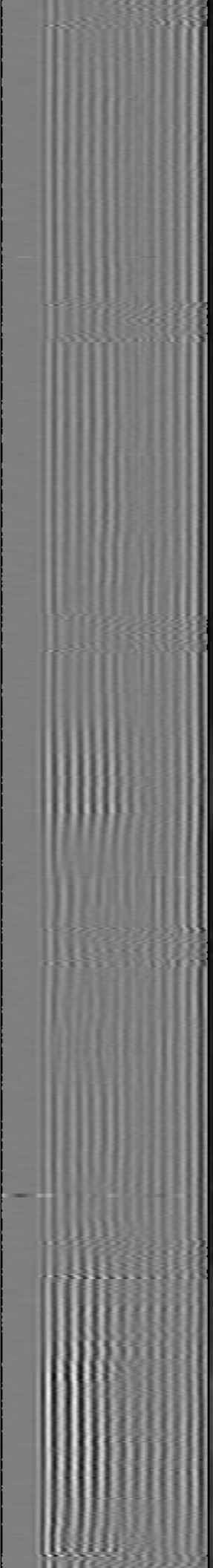
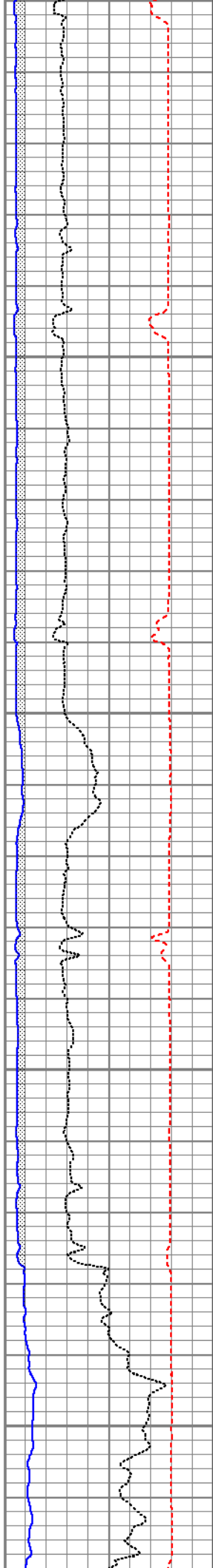


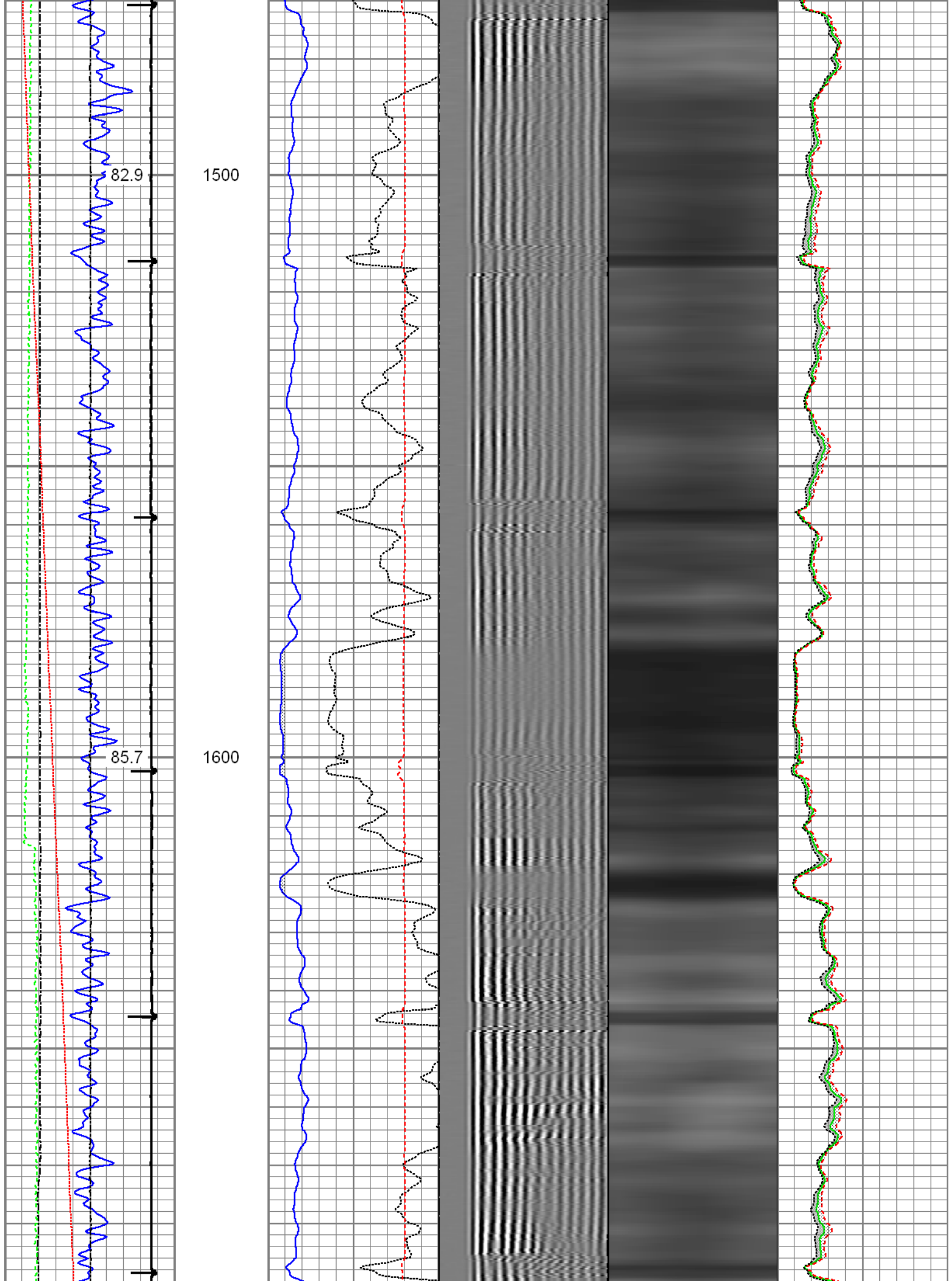
77.7

80.3

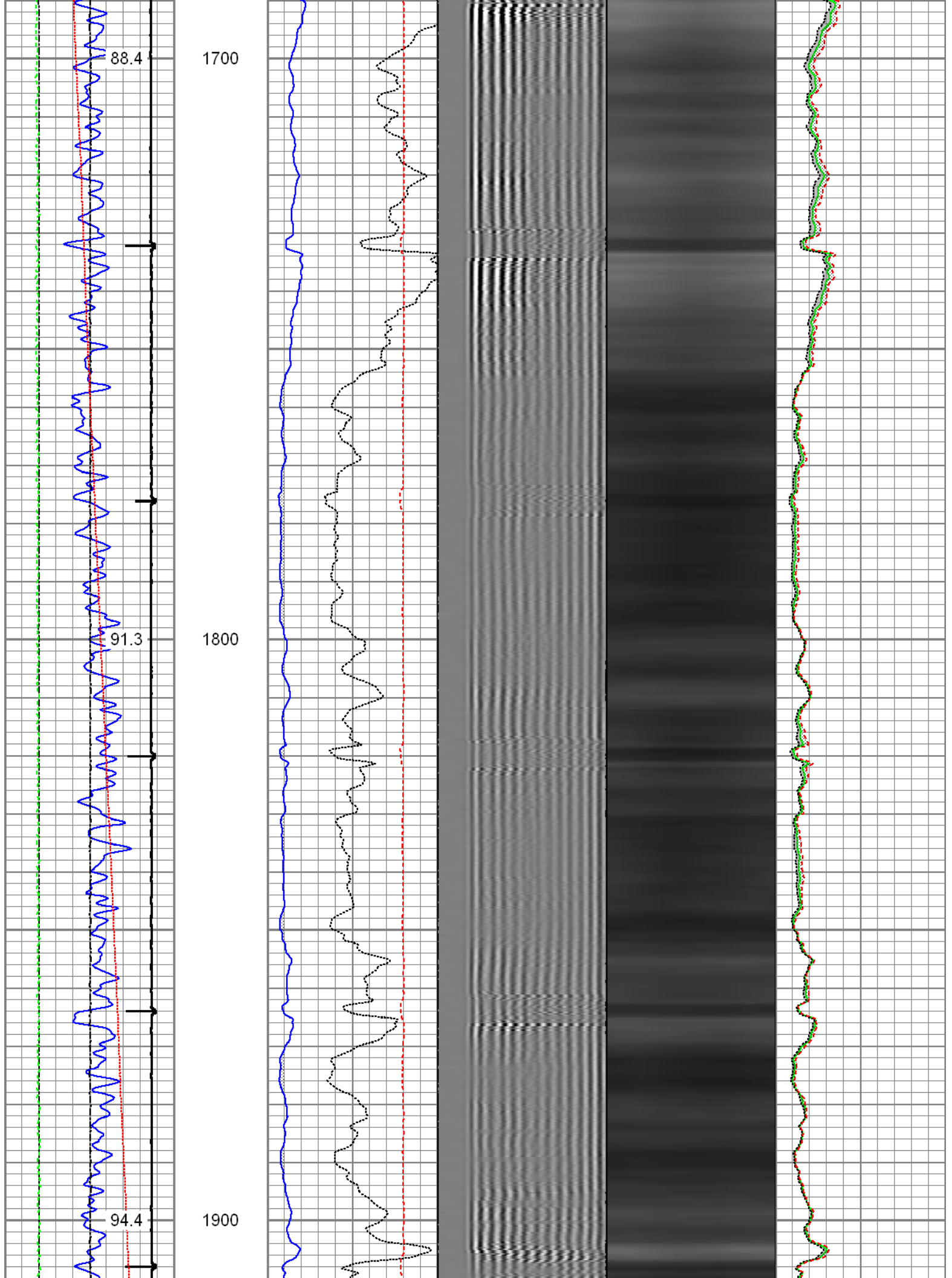
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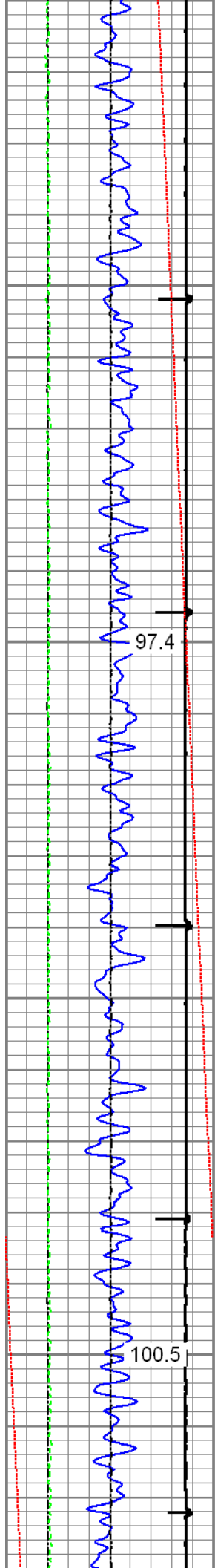
1400









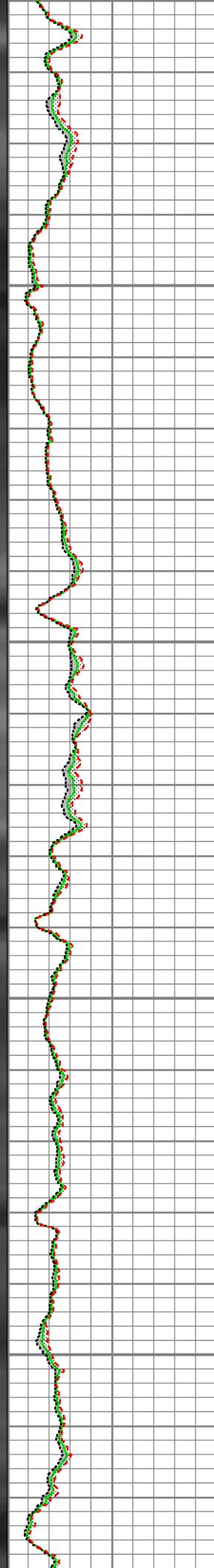
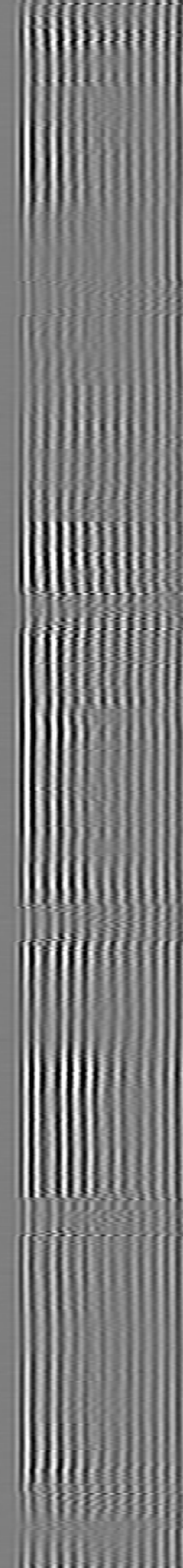
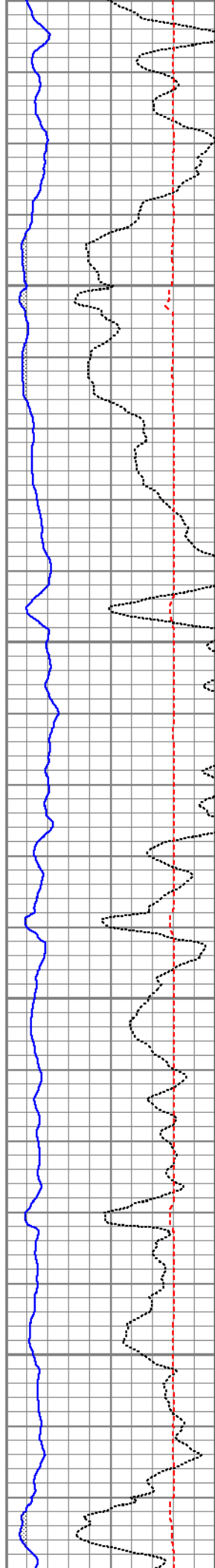


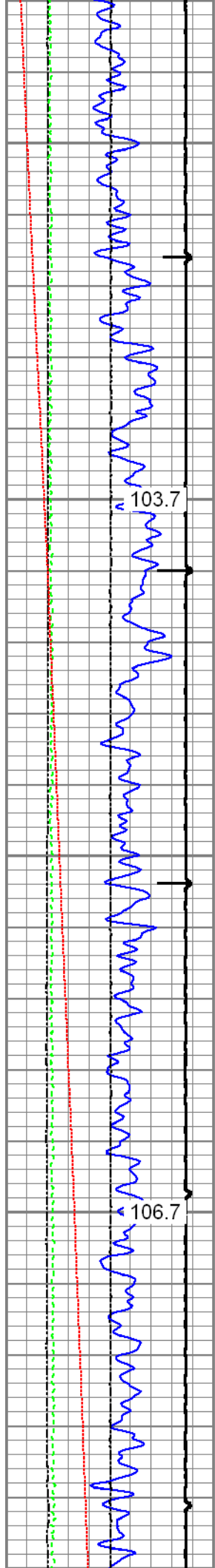
97.4

2000

100.5

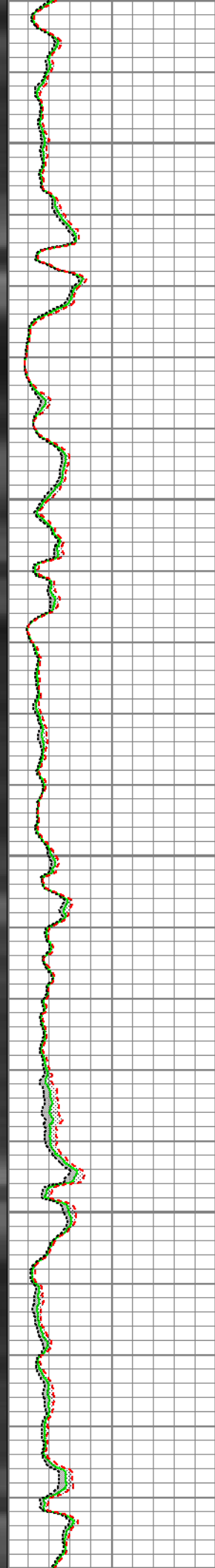
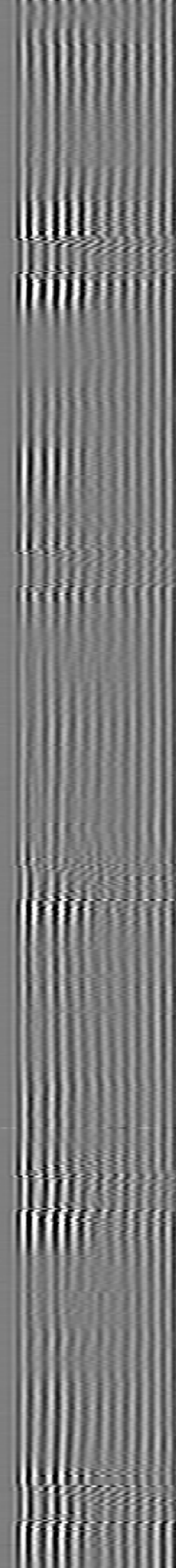
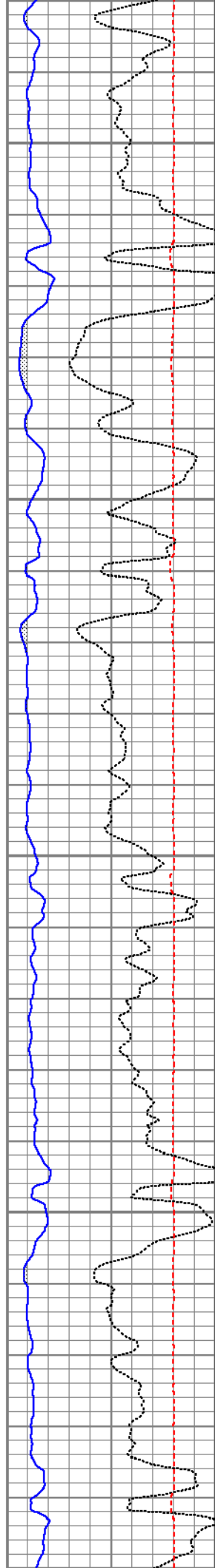
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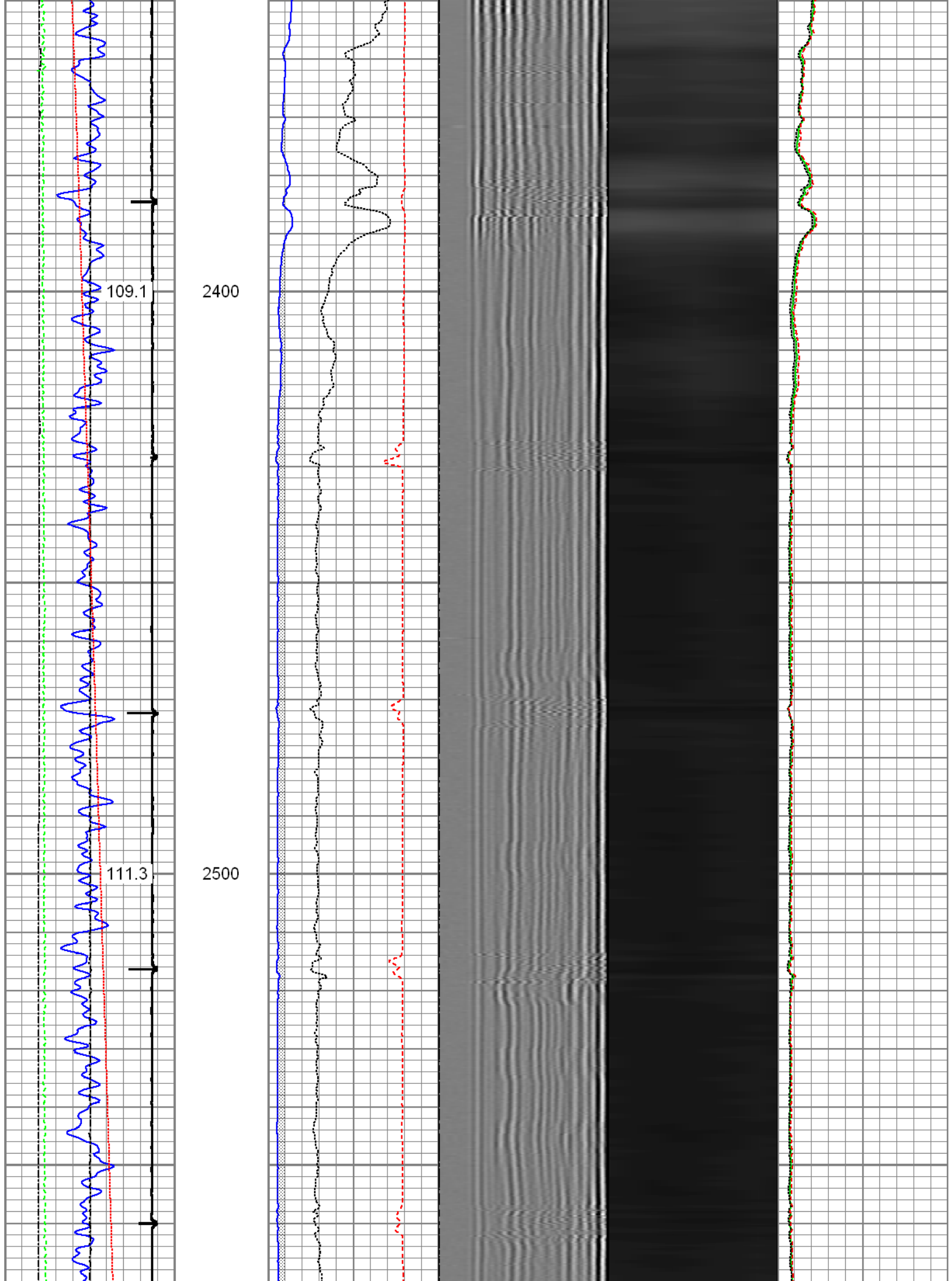


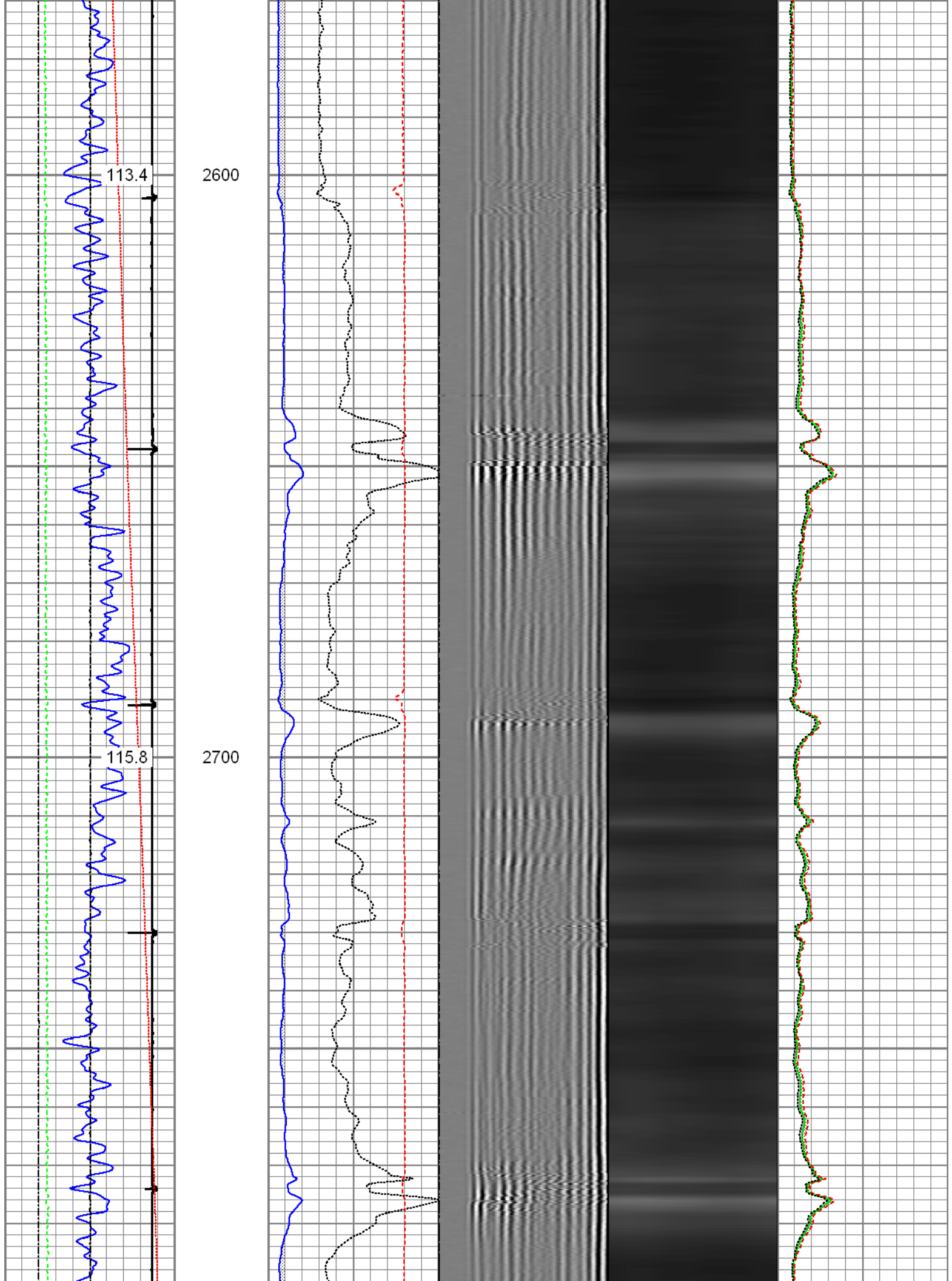


2200

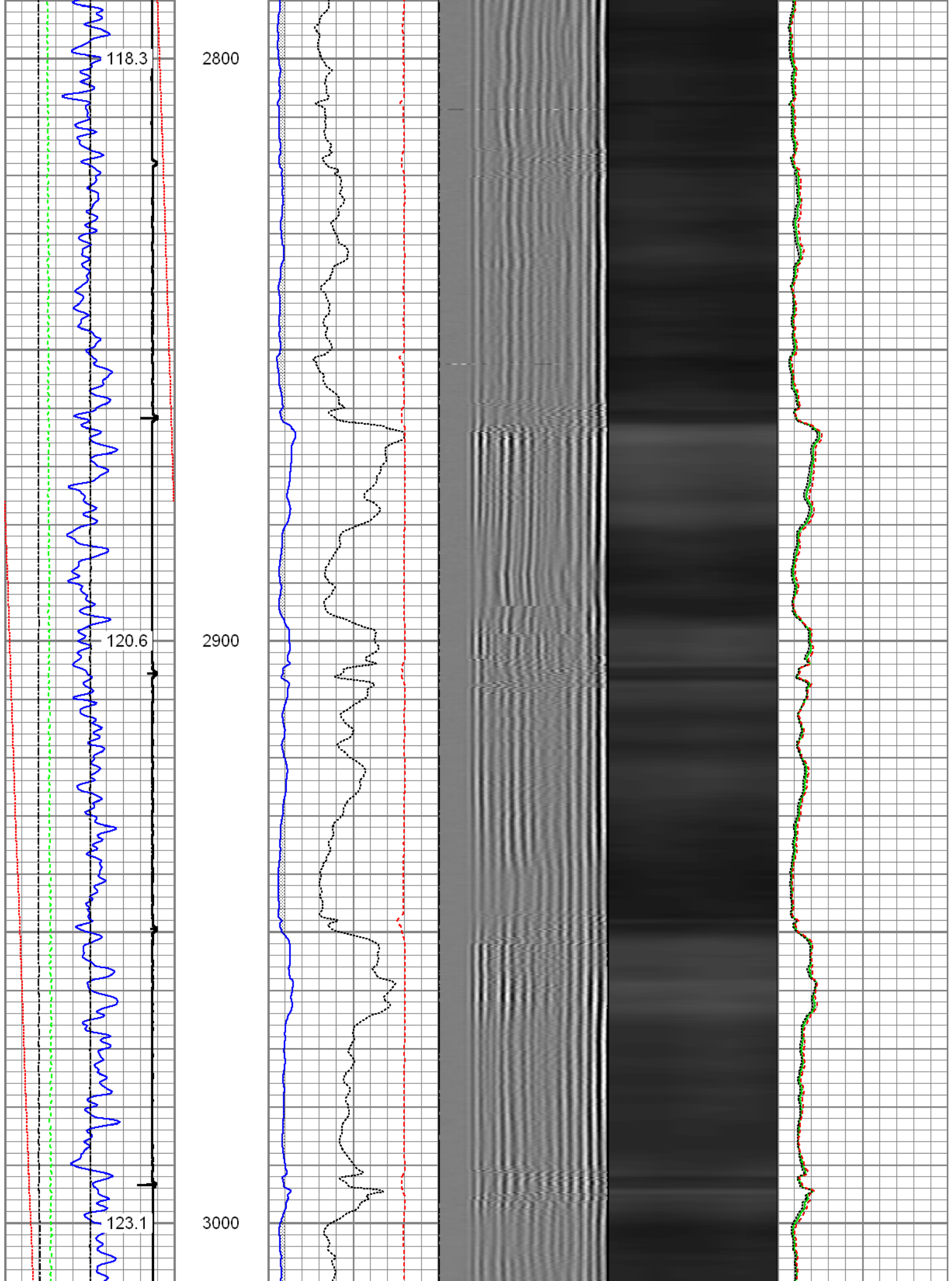
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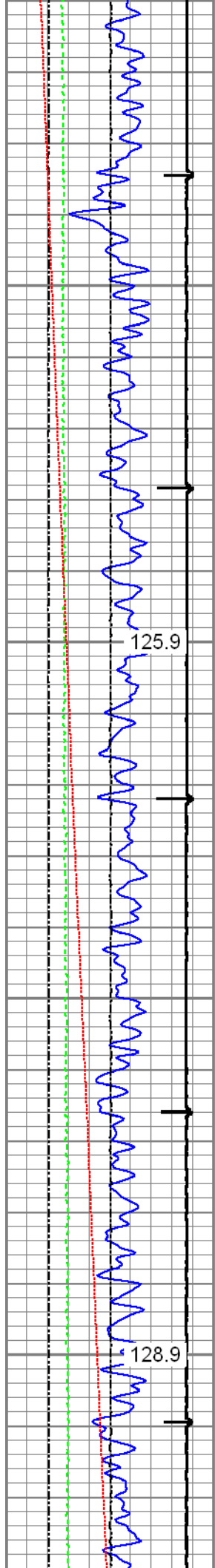






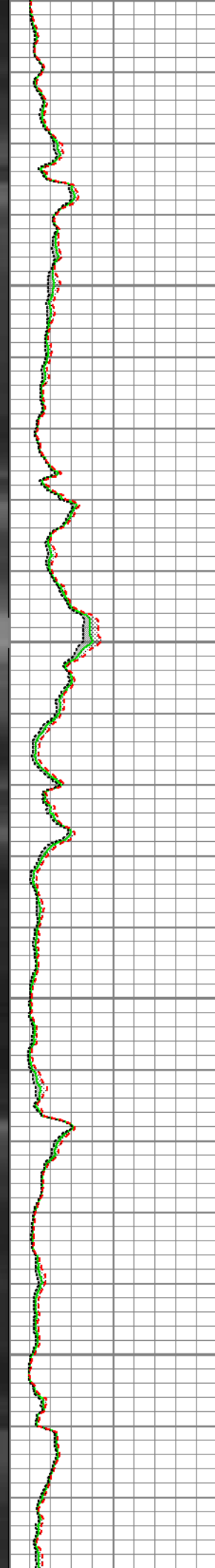
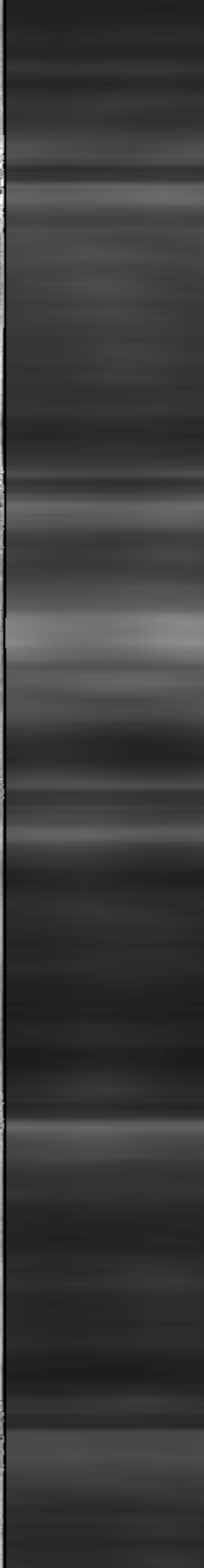
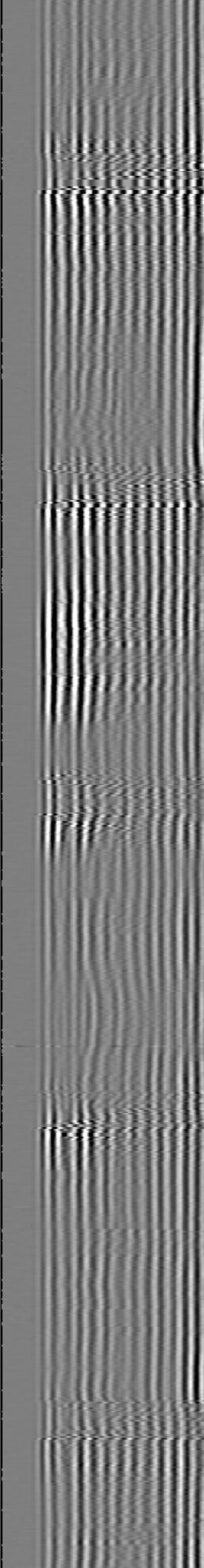
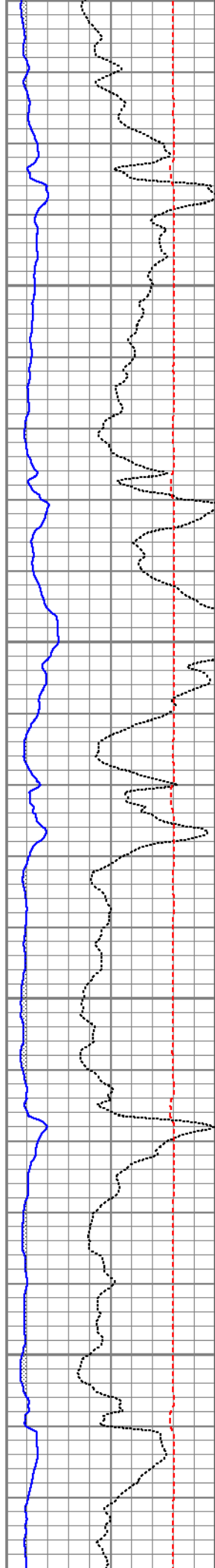


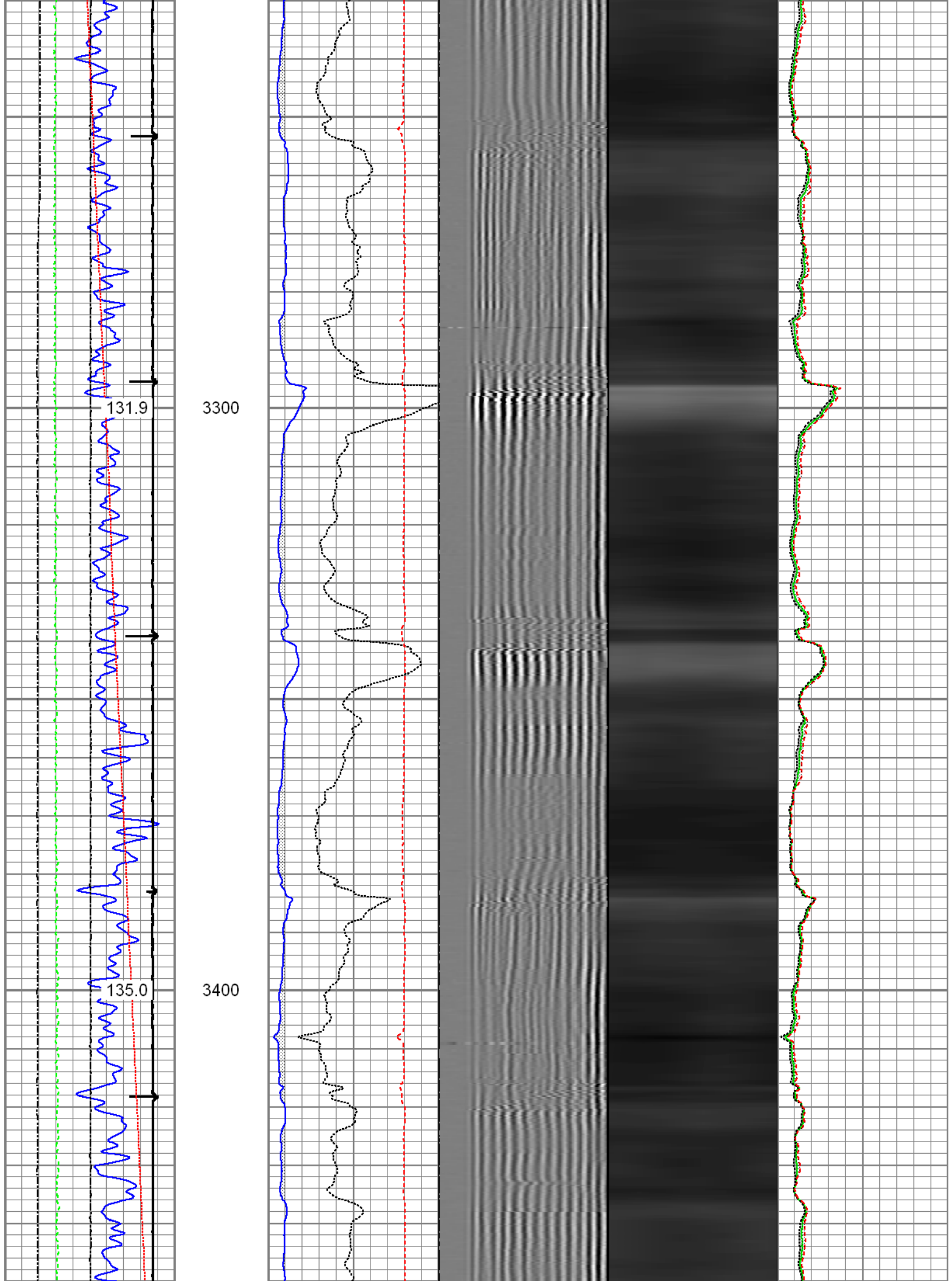


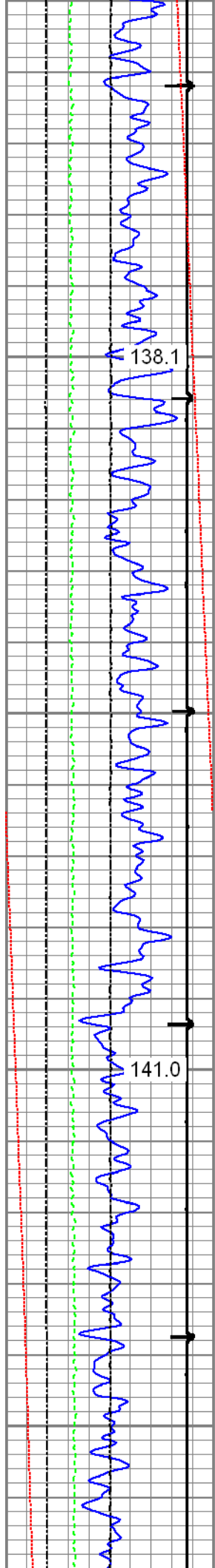


3100

3200

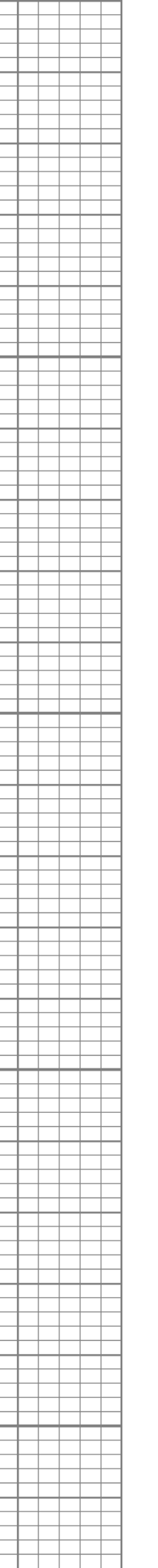
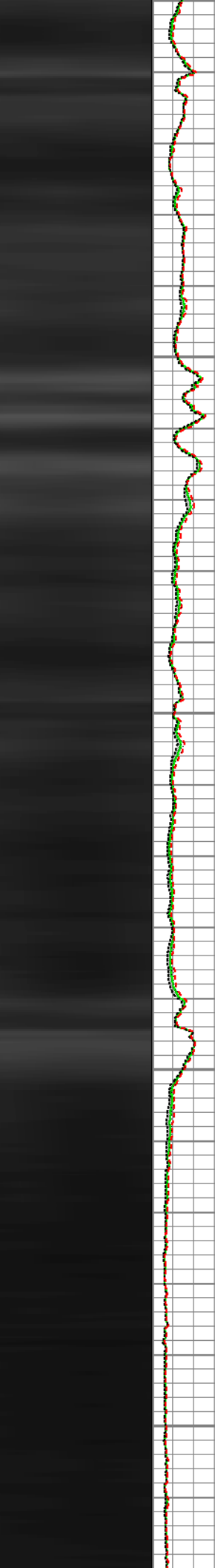
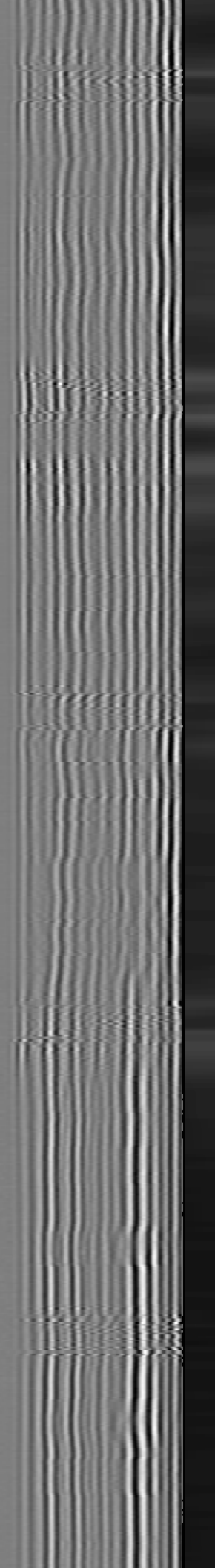
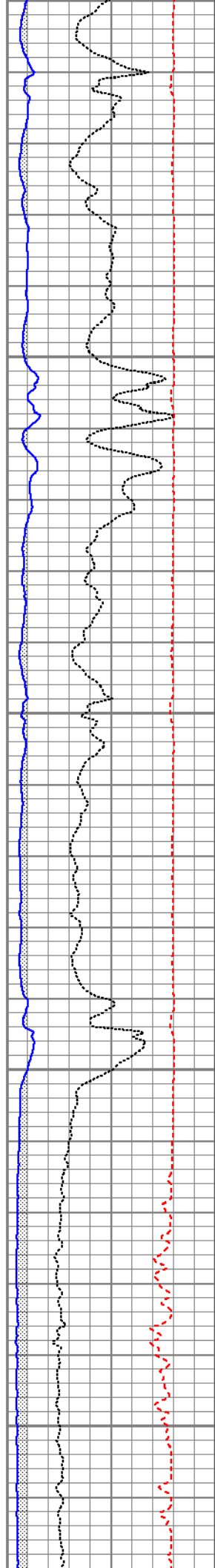


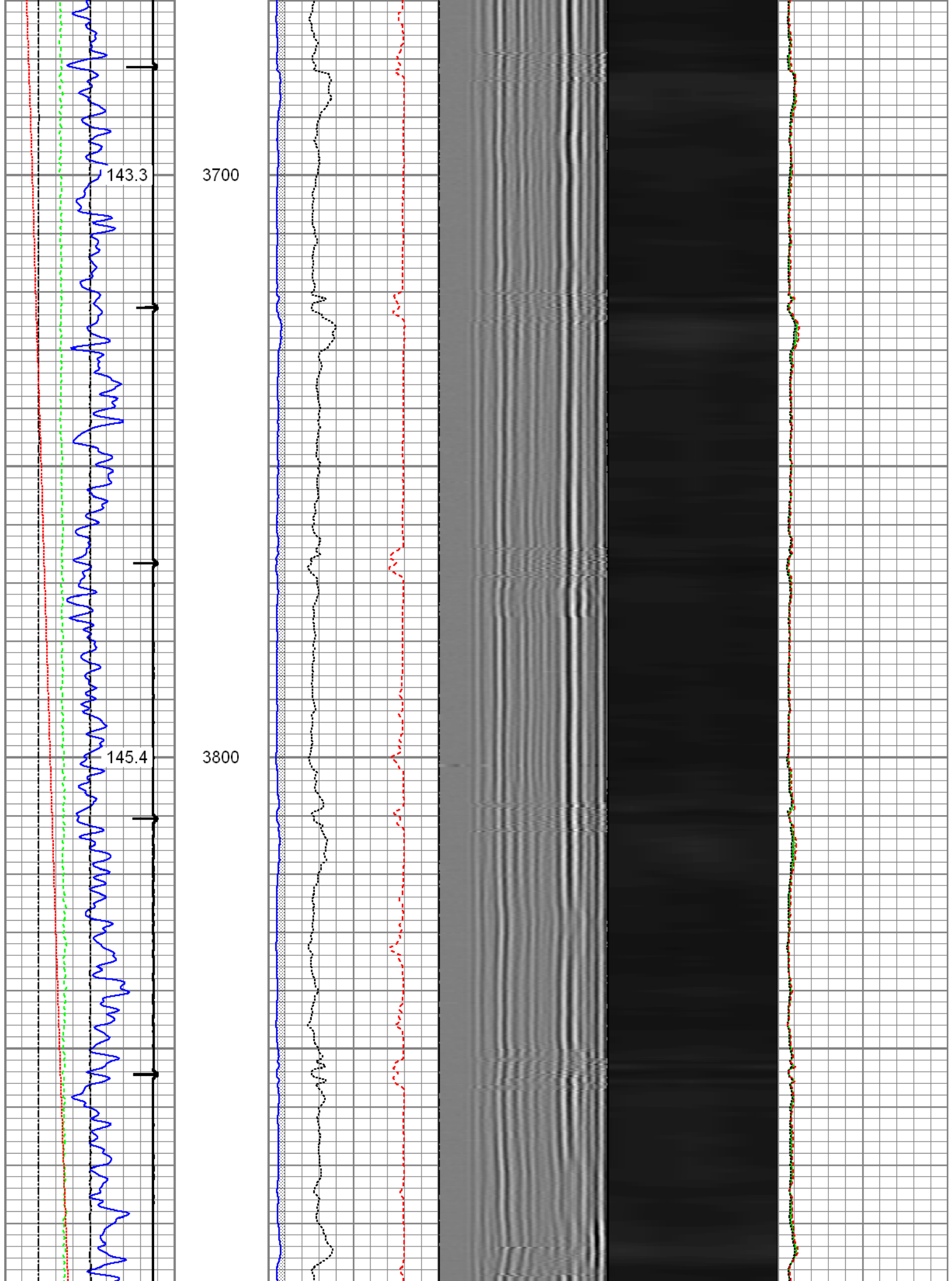




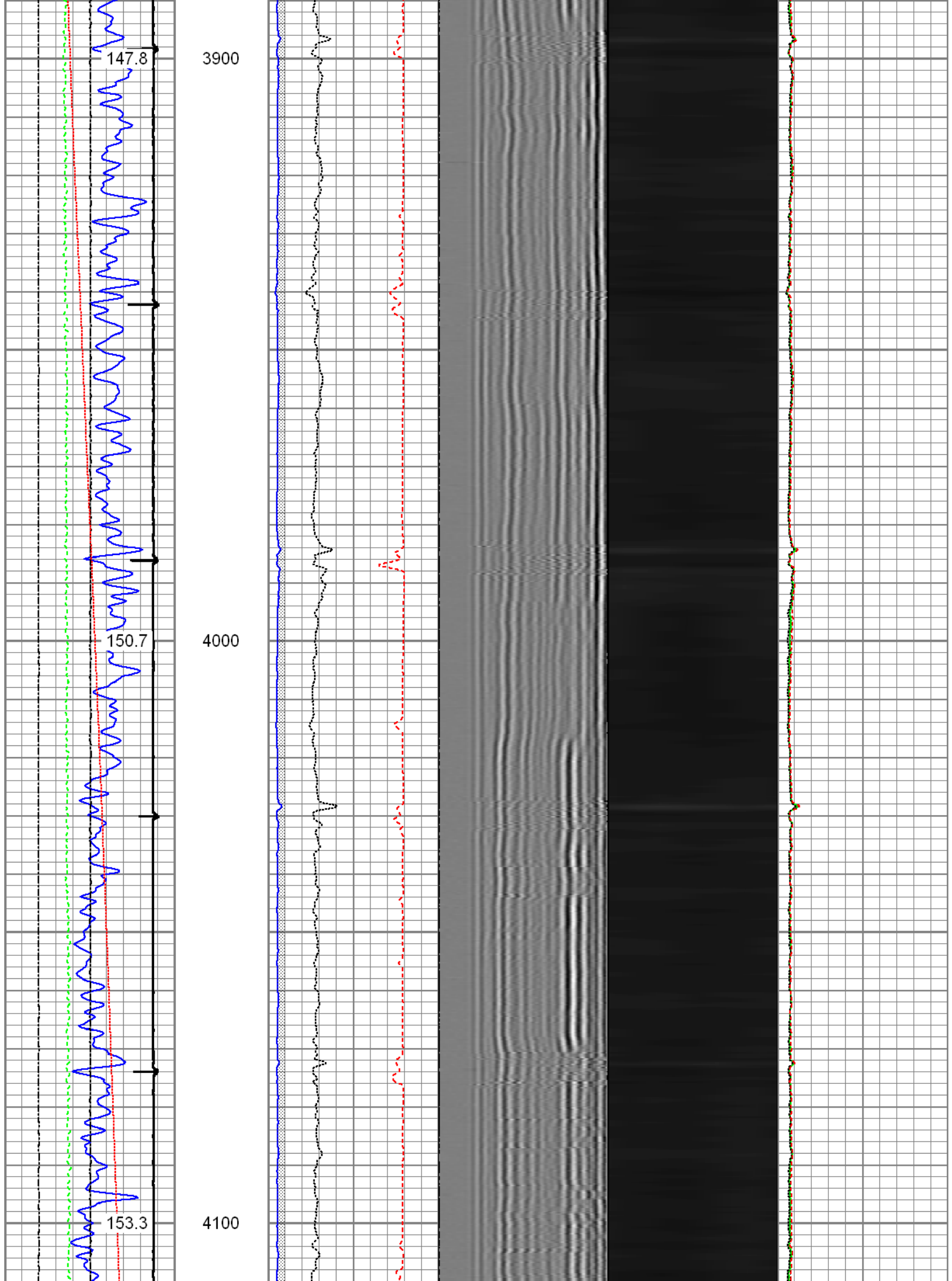
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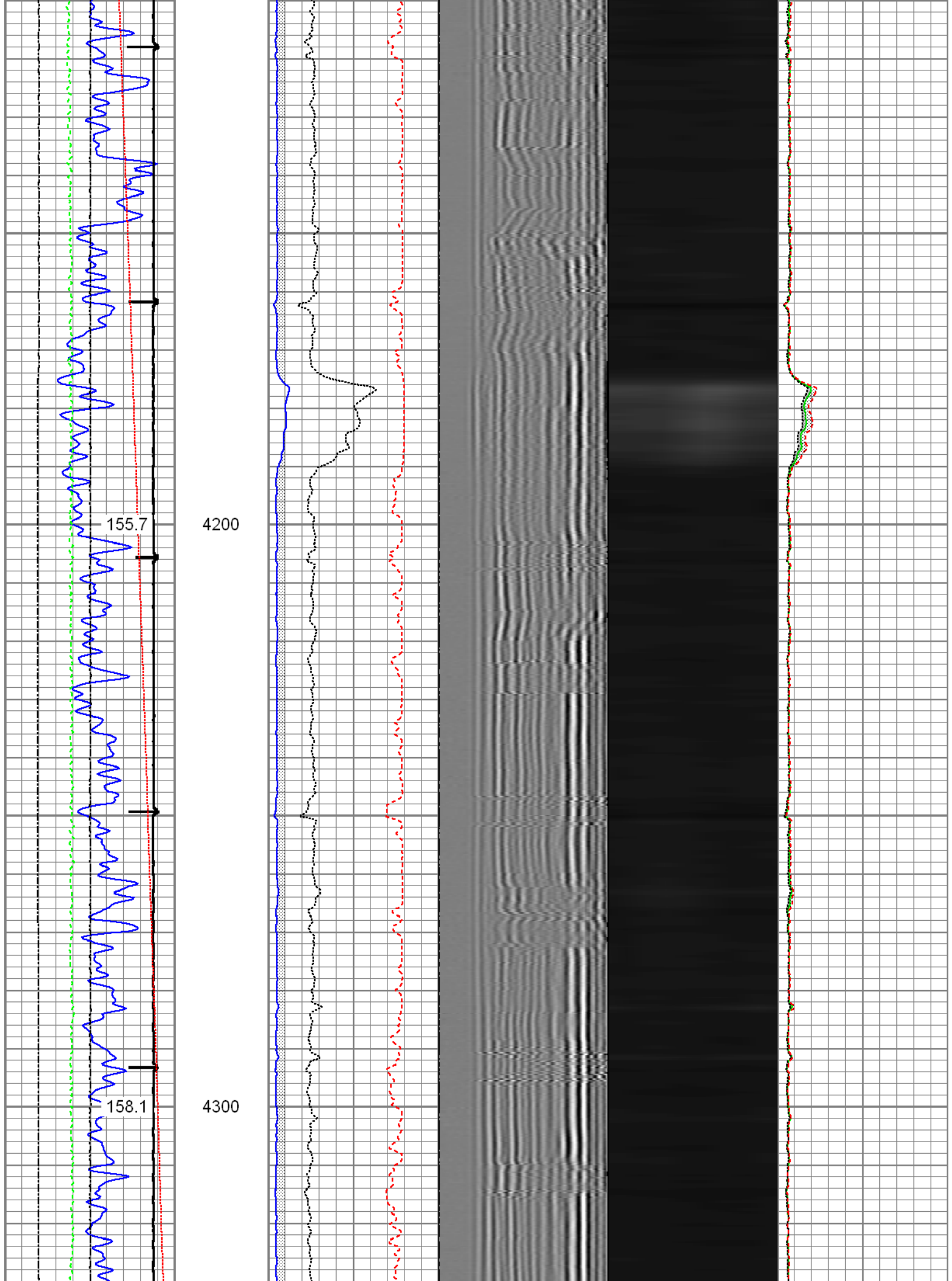
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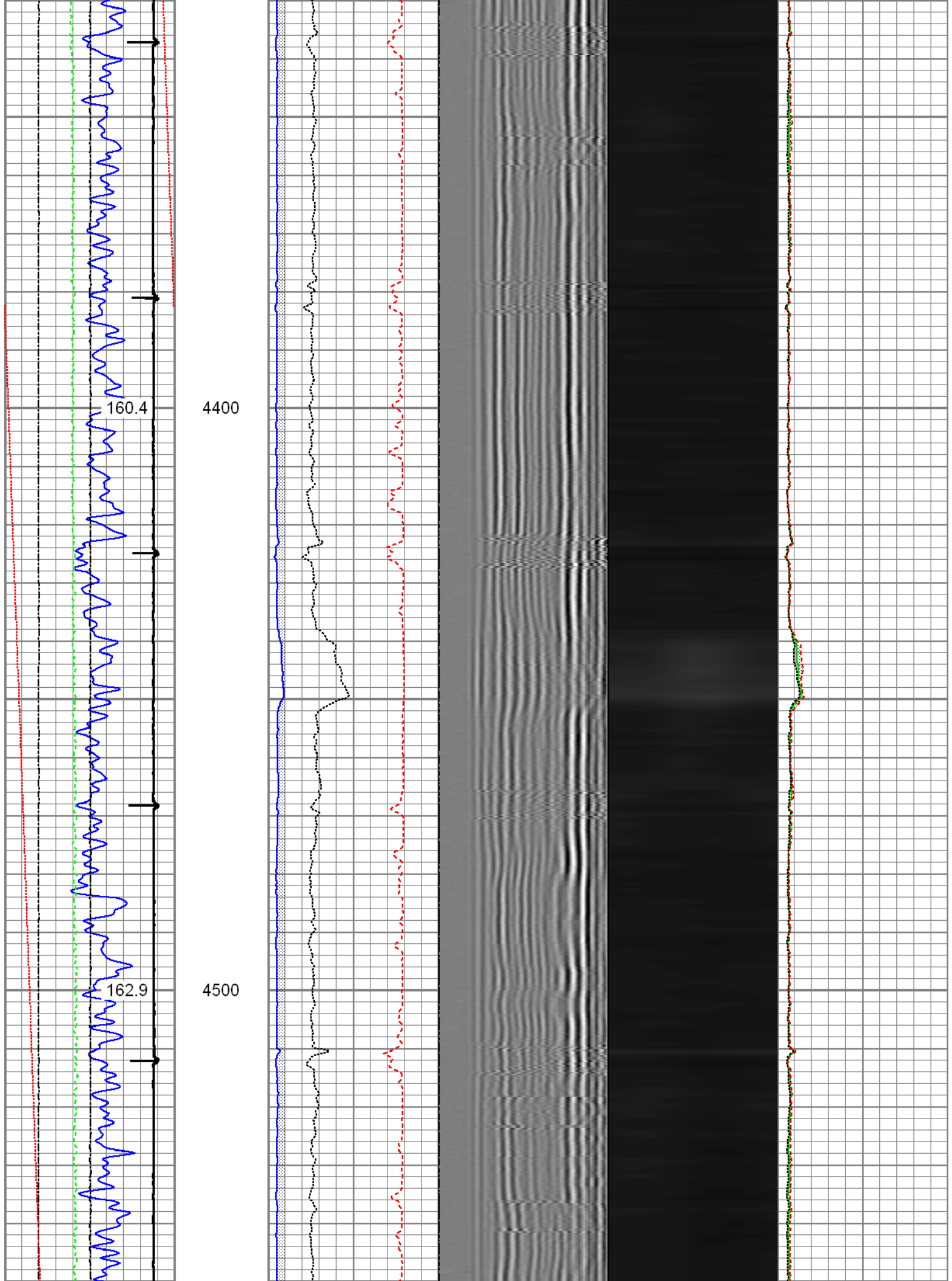


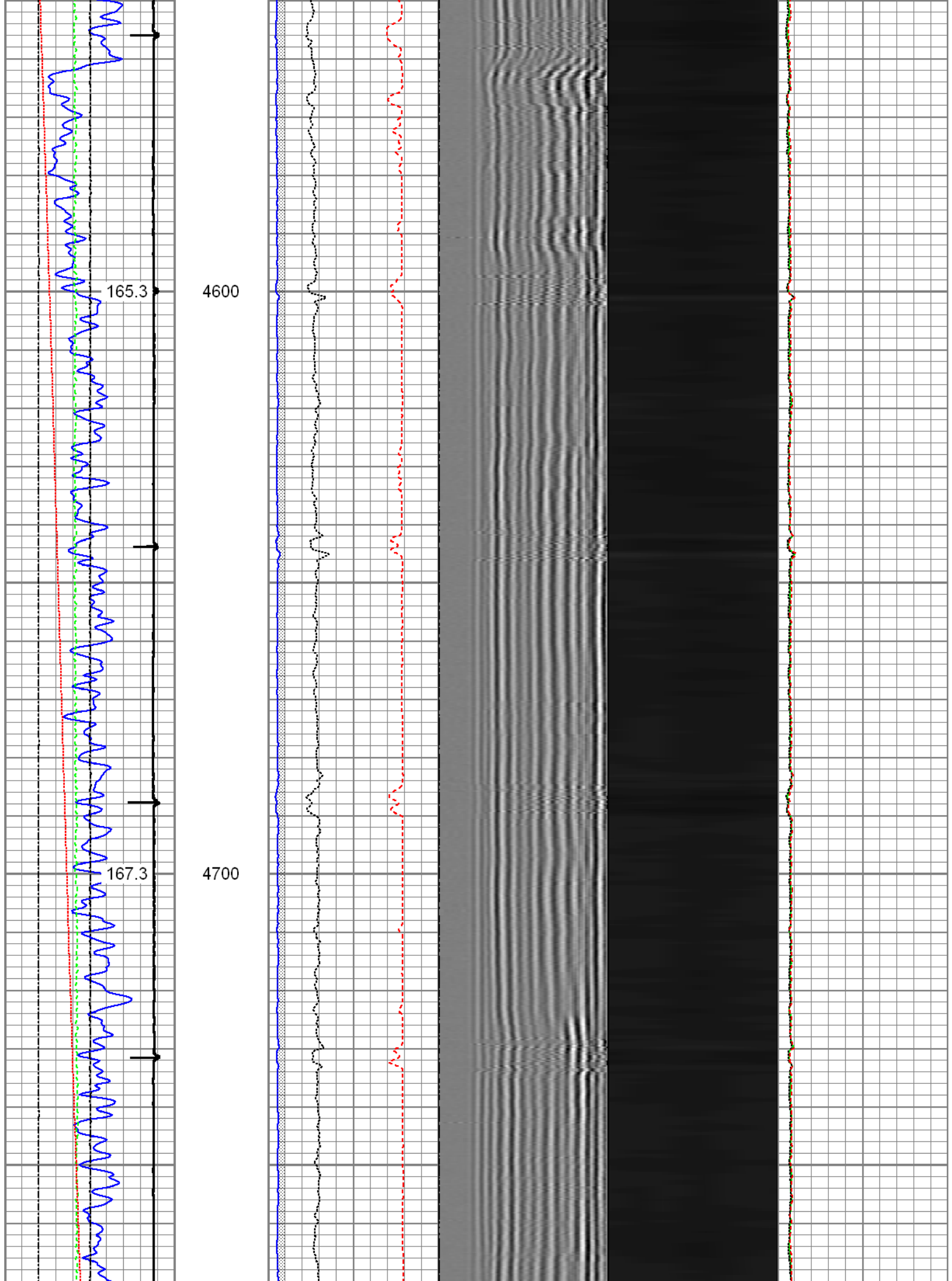


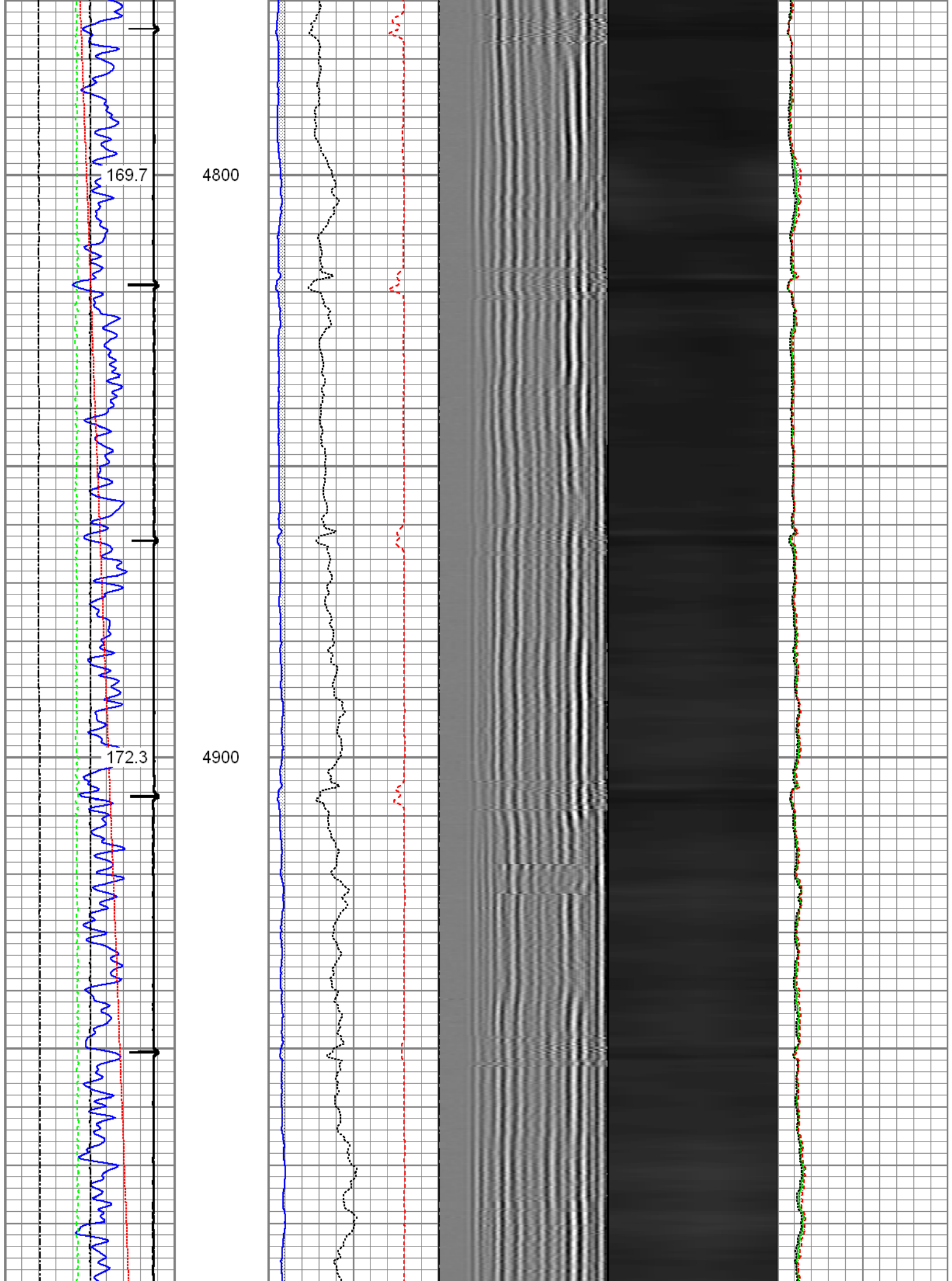




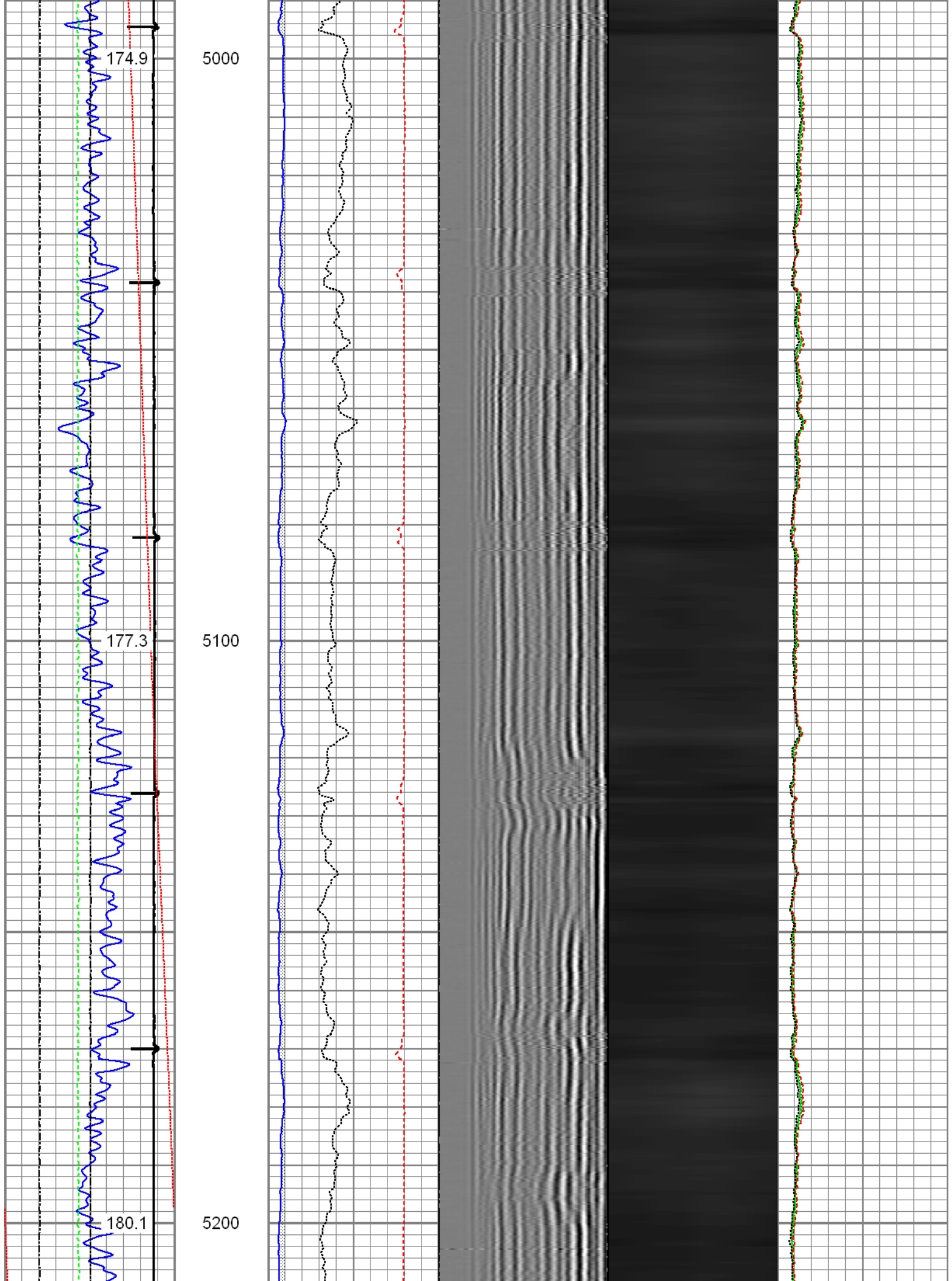


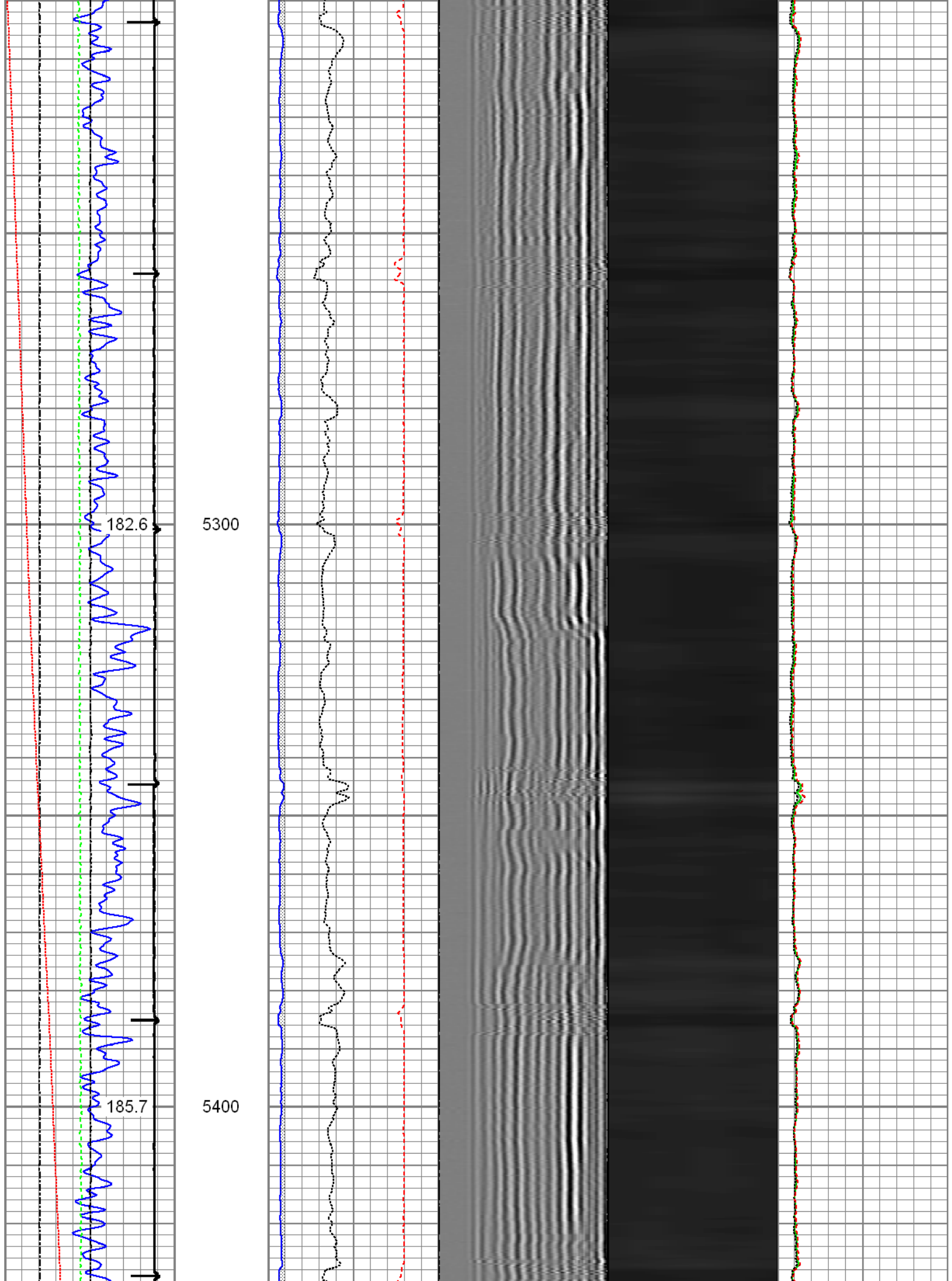


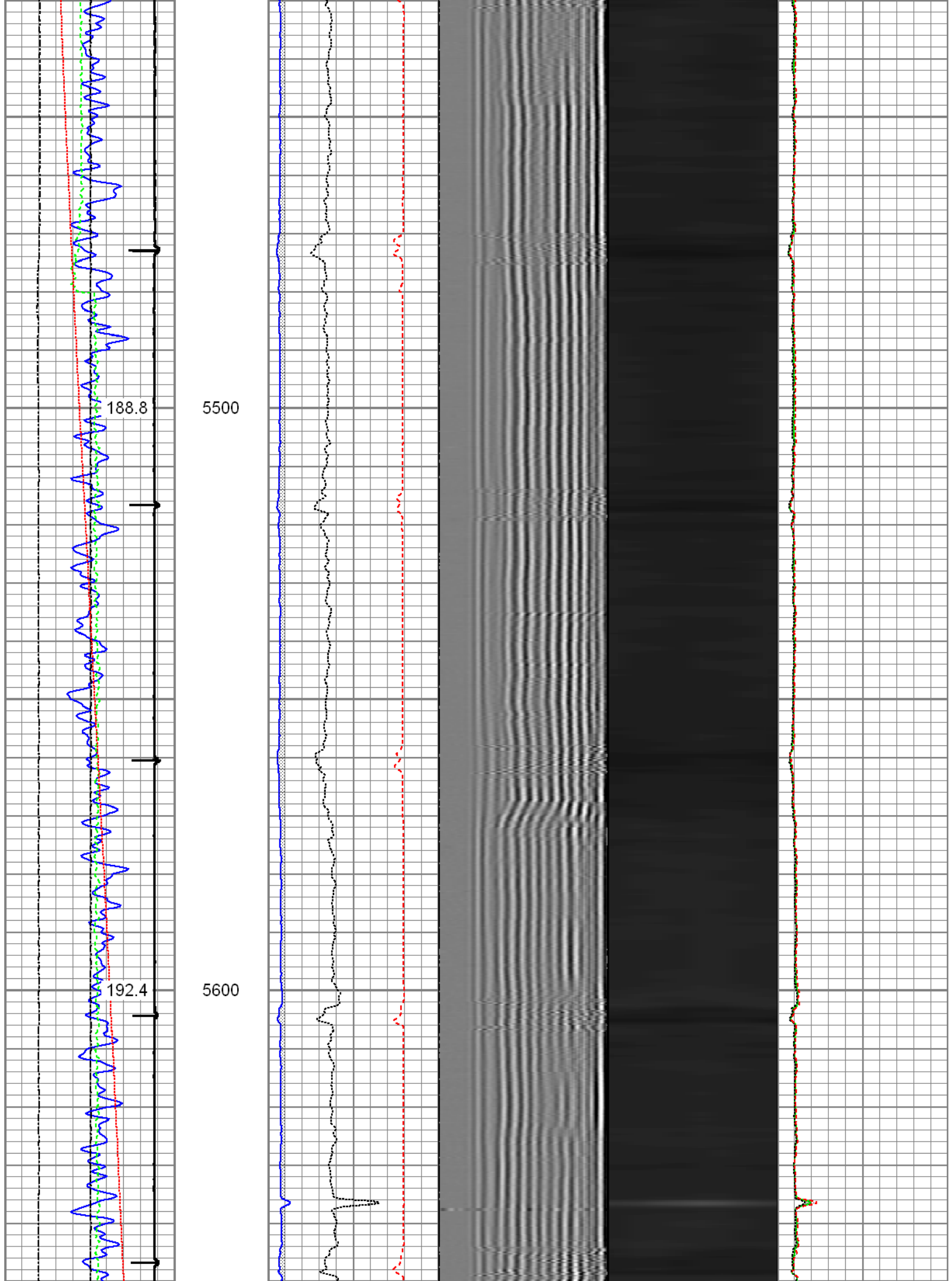


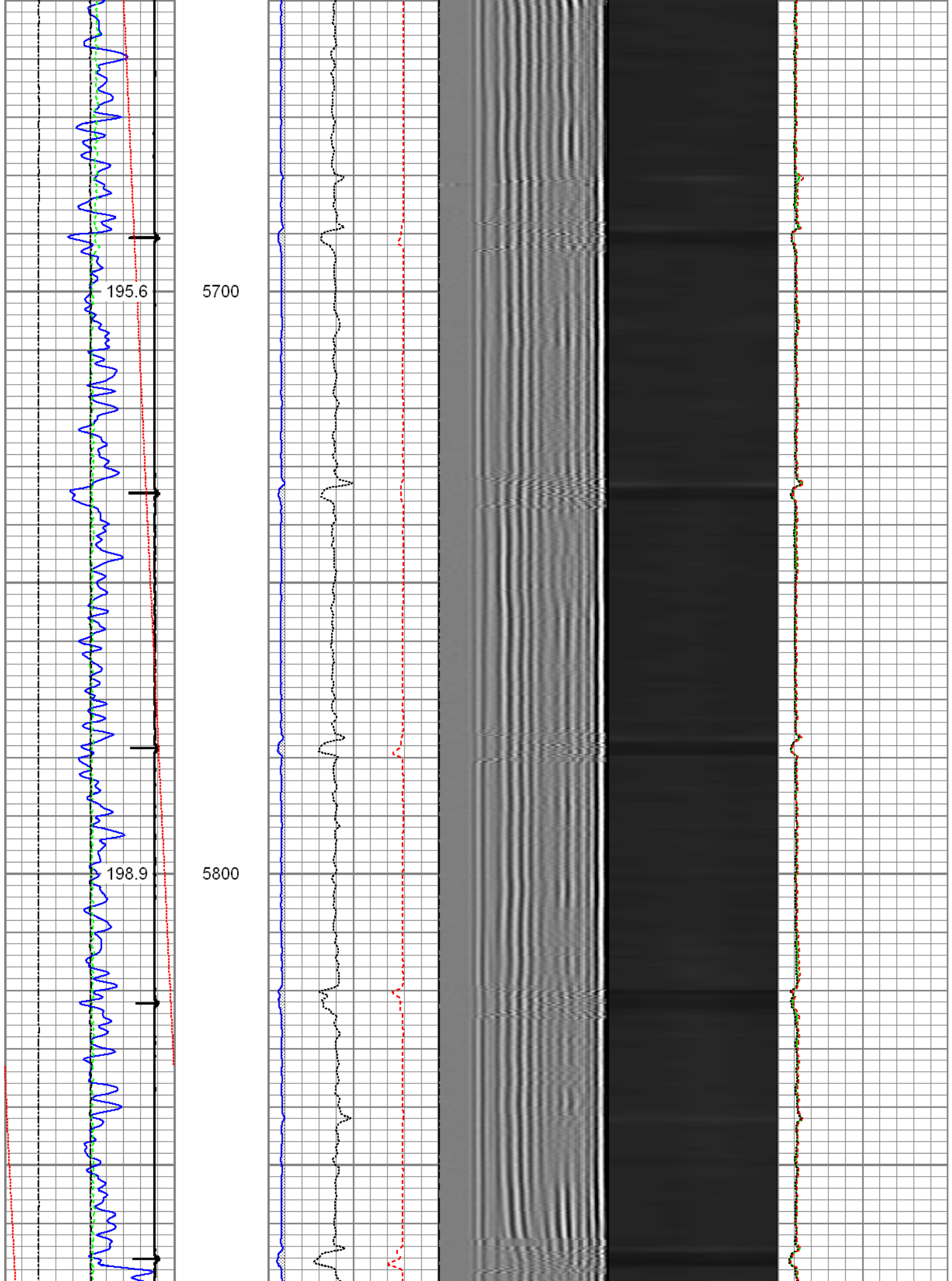


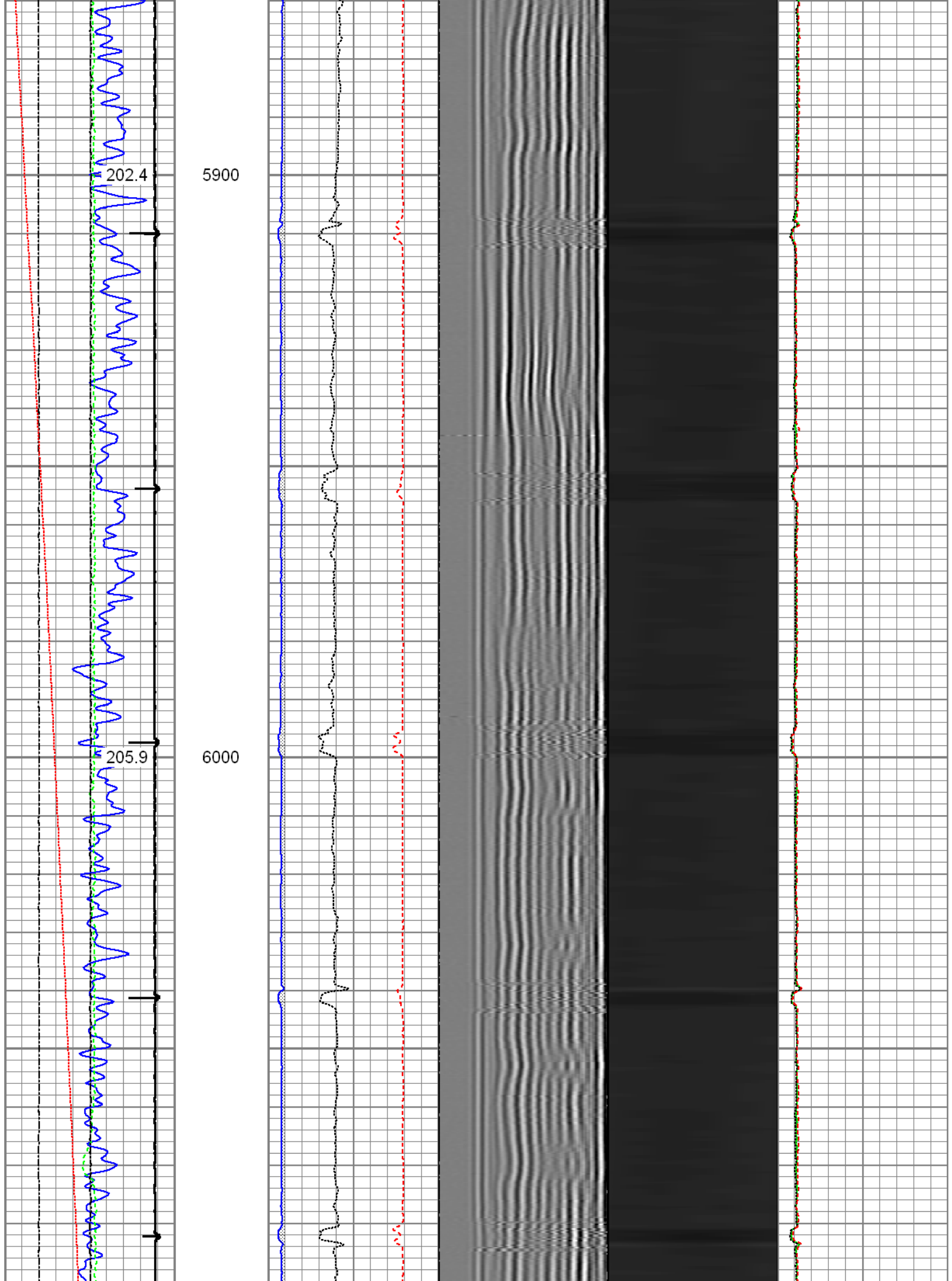




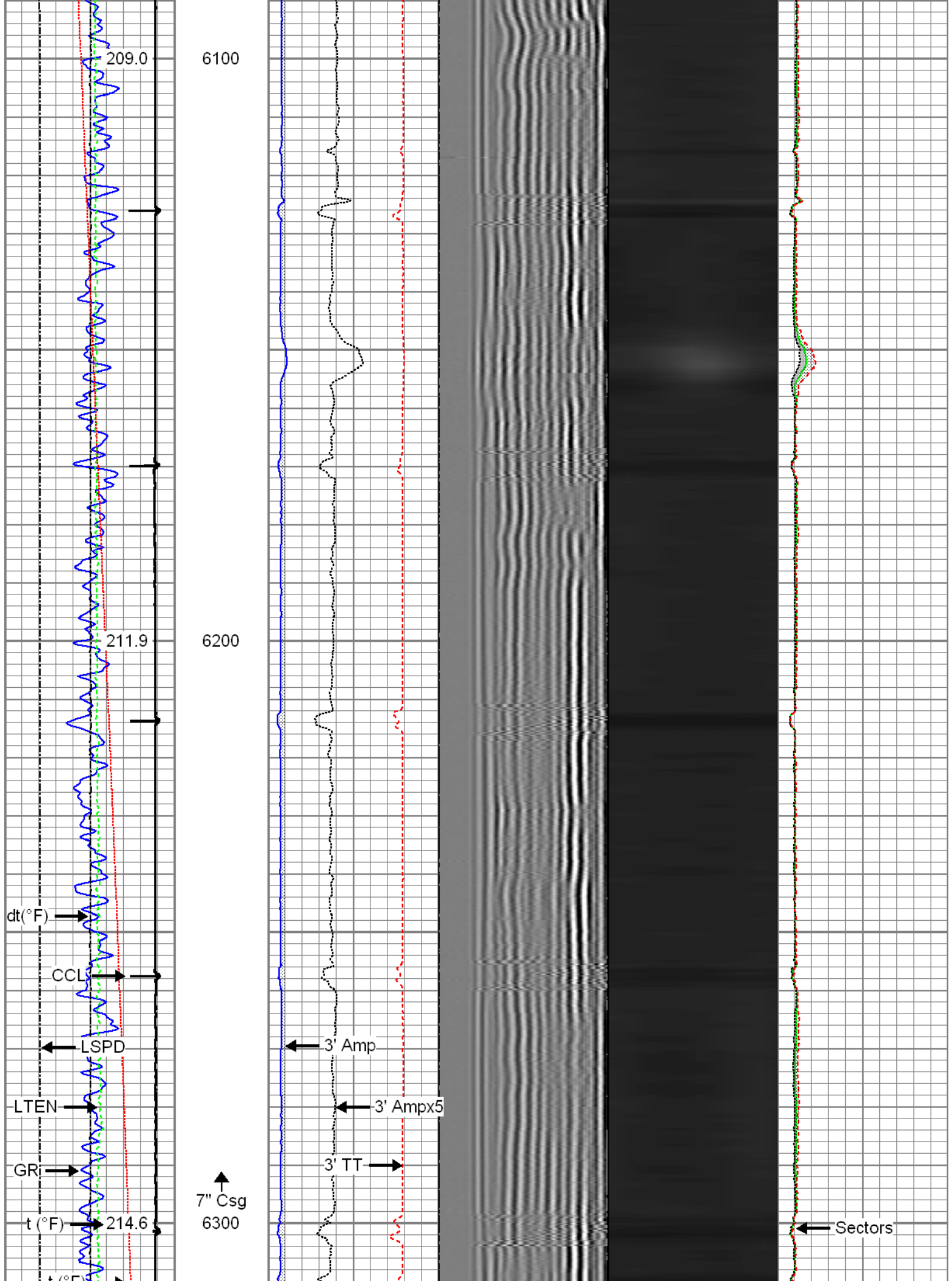


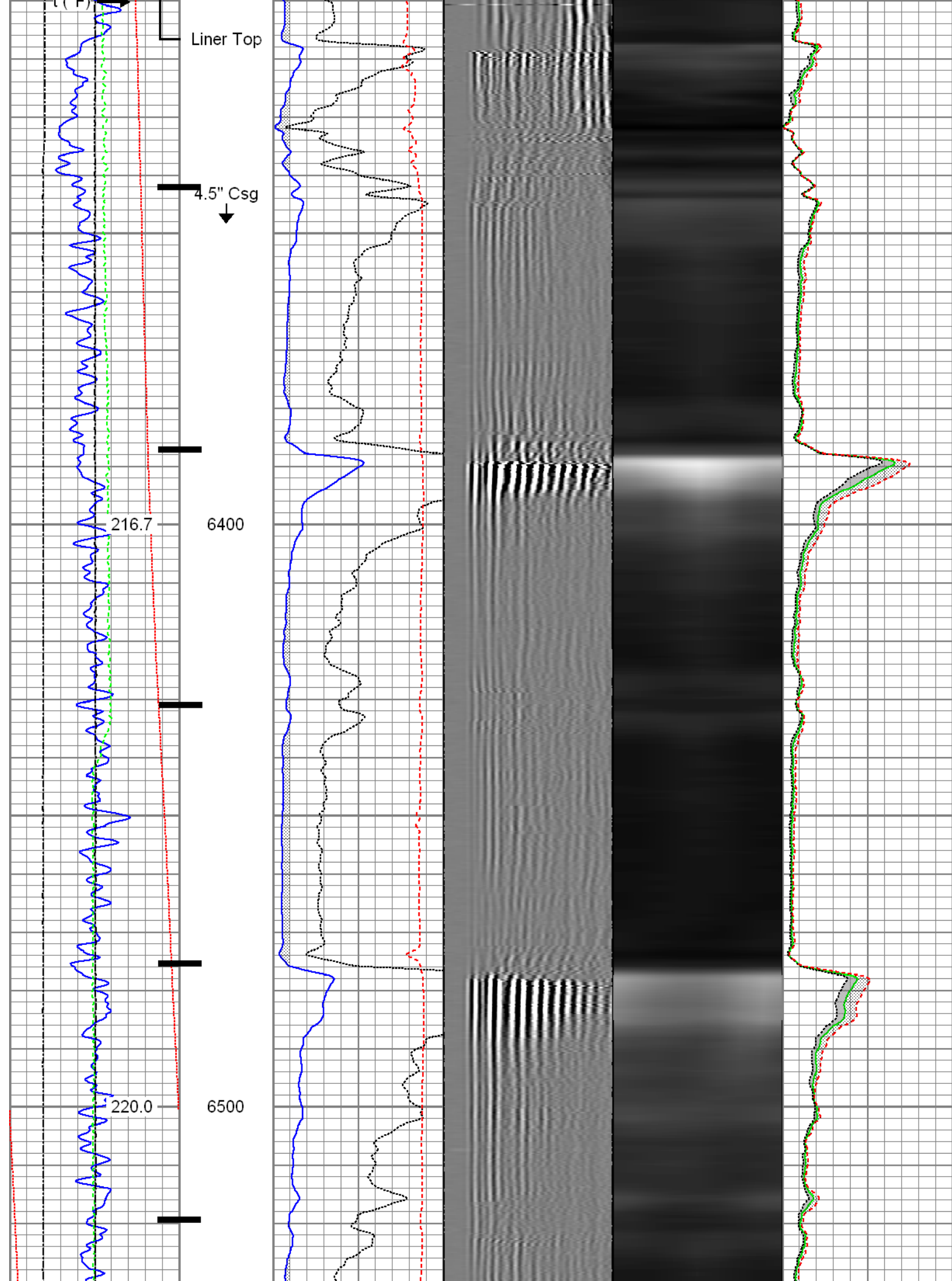


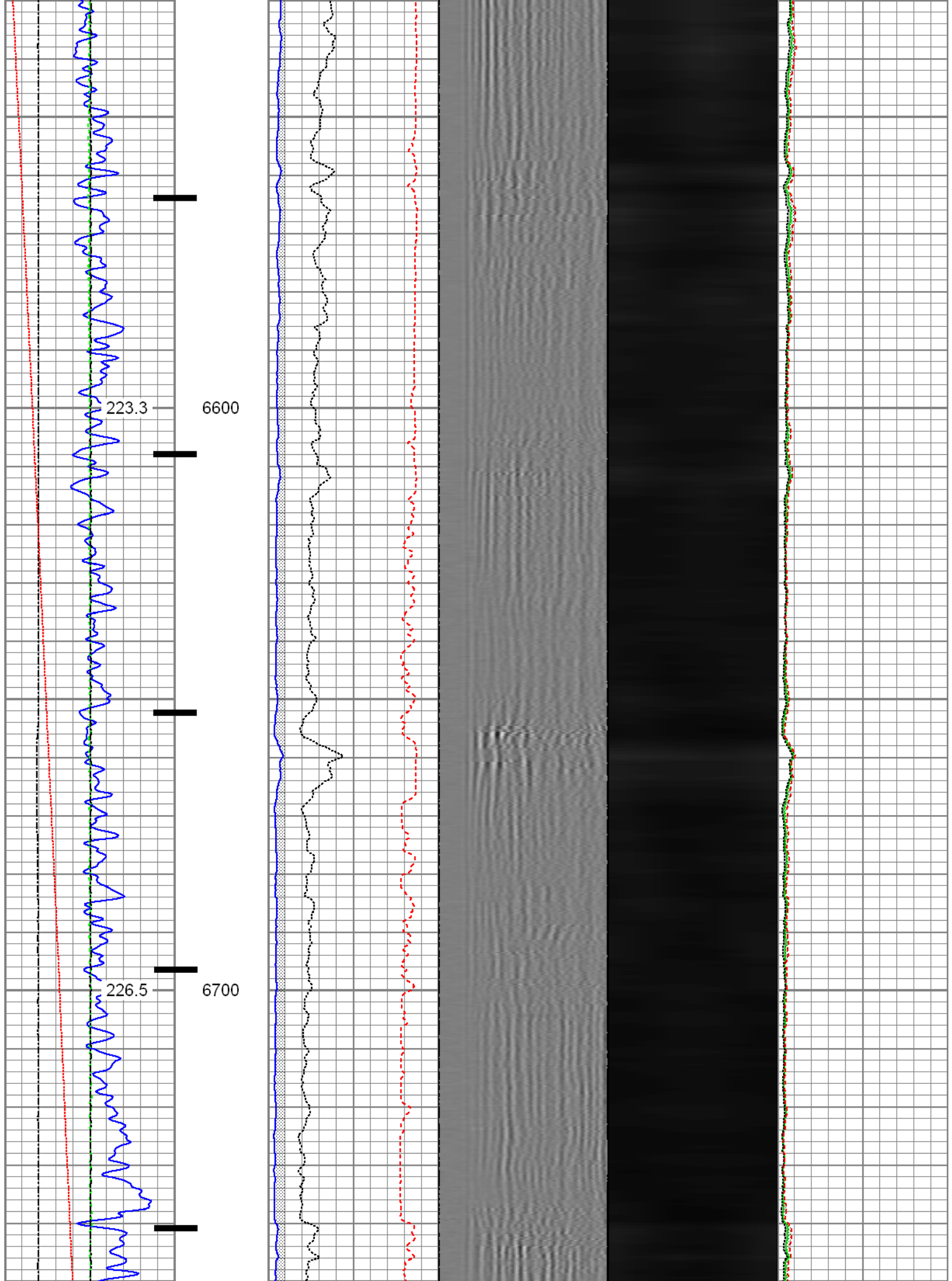


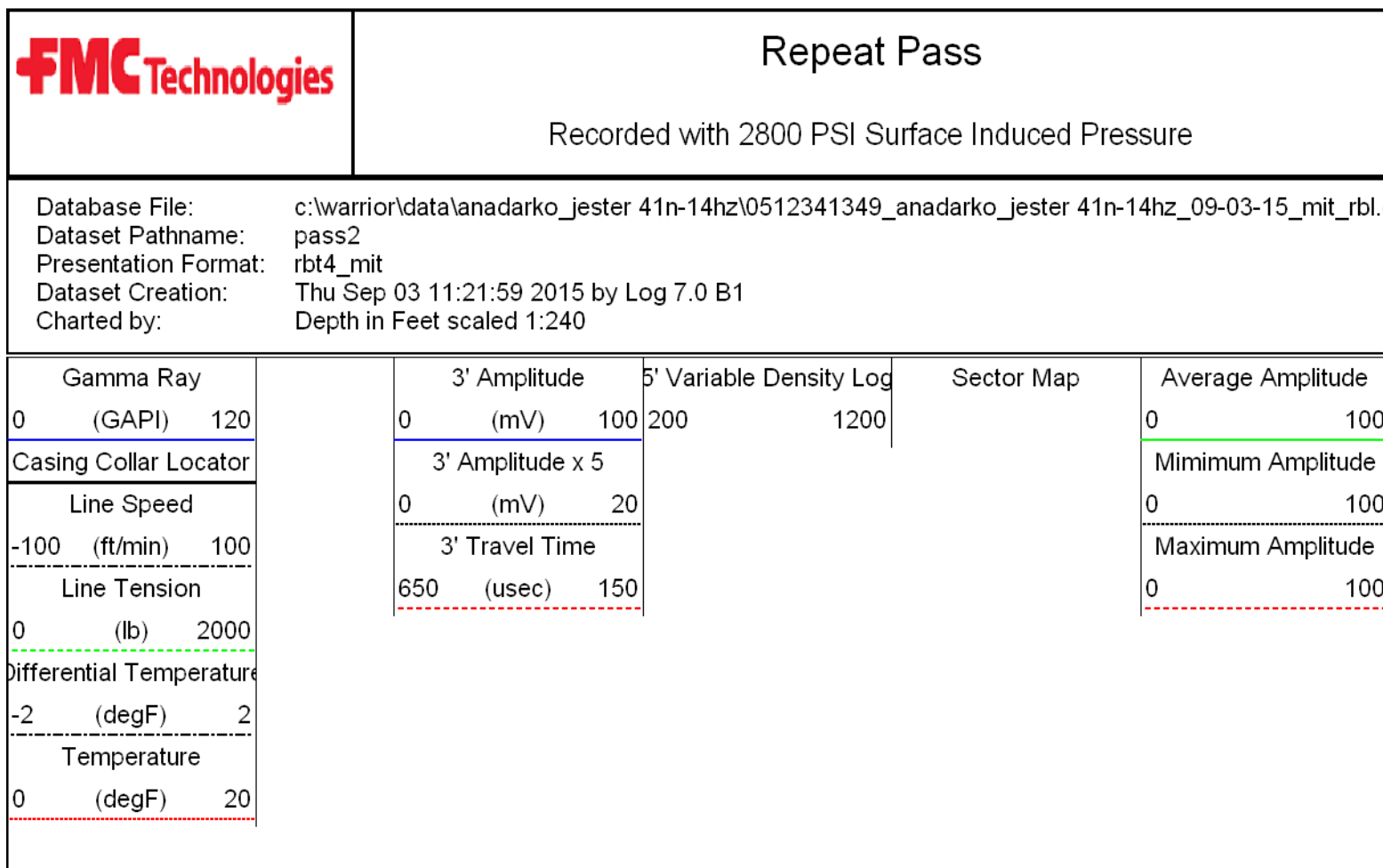
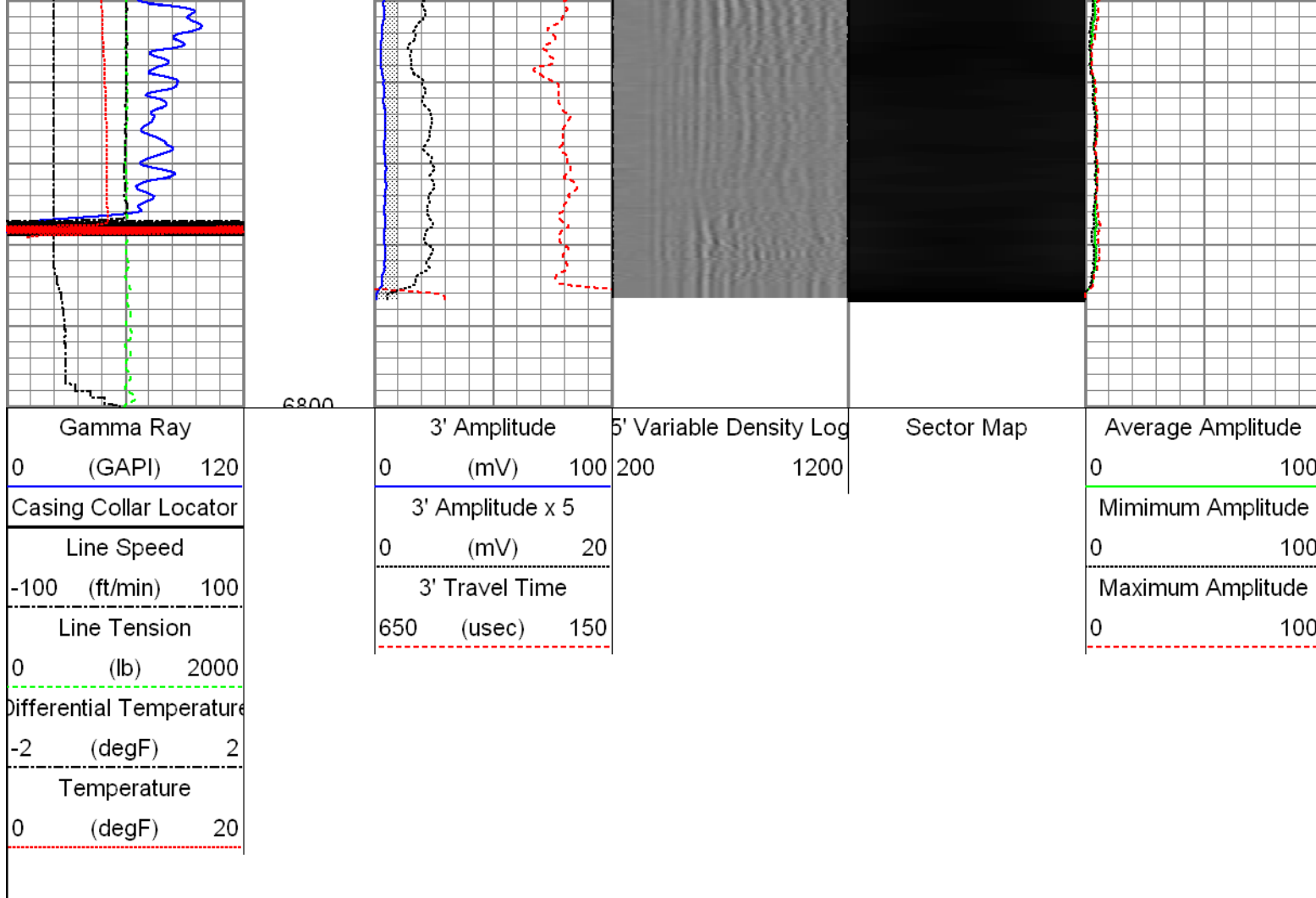








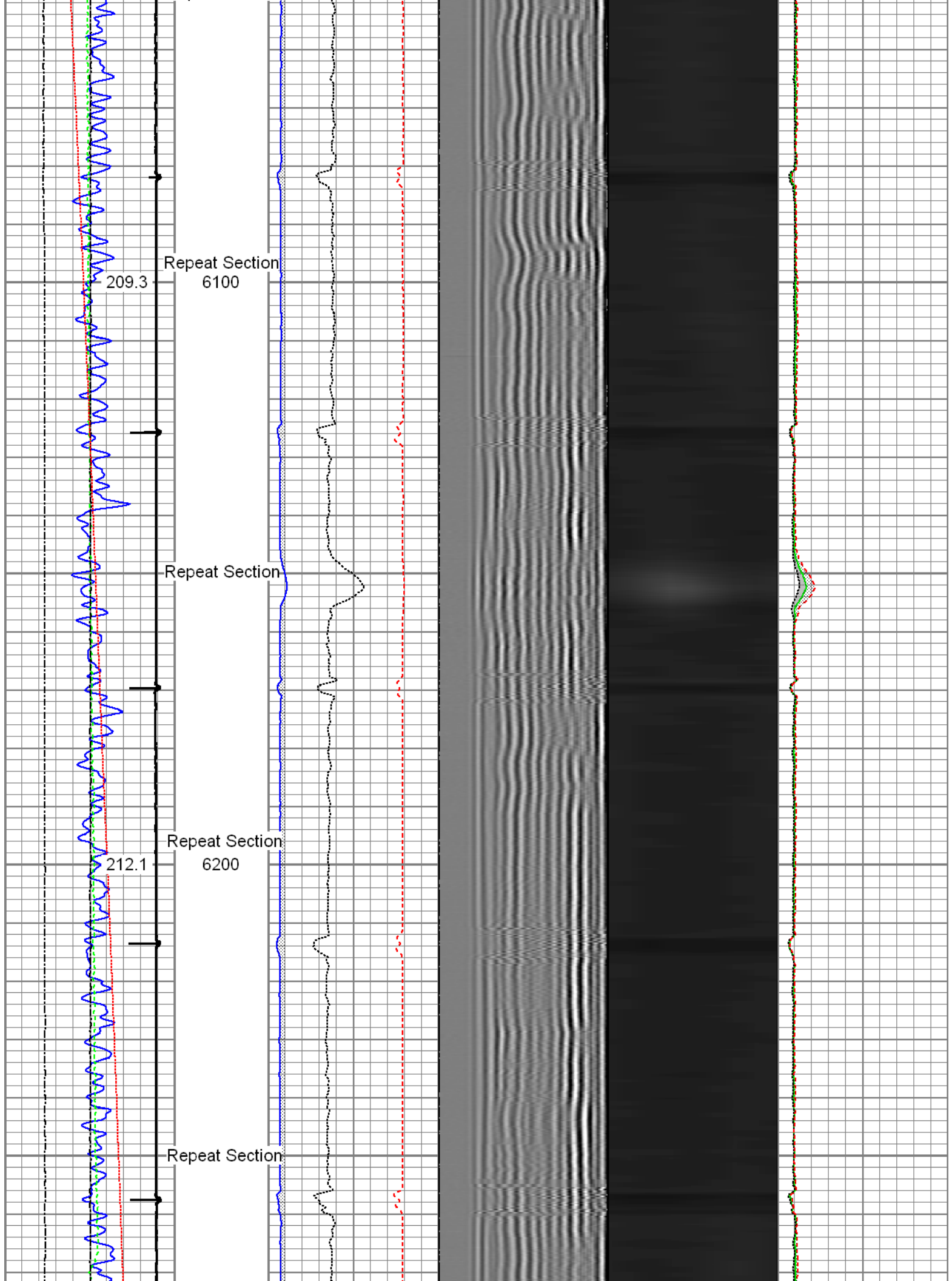




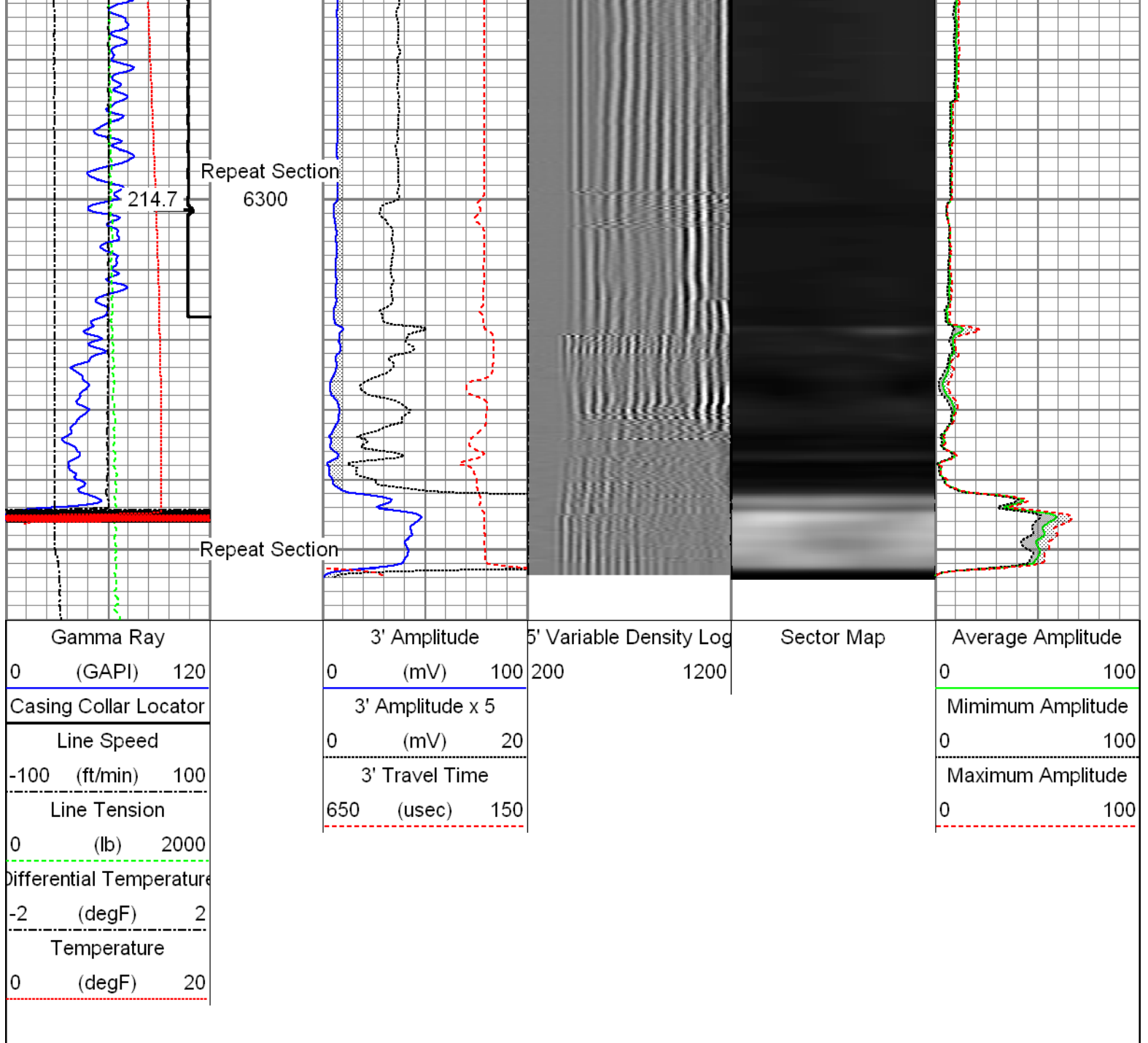
## Repeat Pass

Recorded with 2800 PSI Surface Induced Pressure

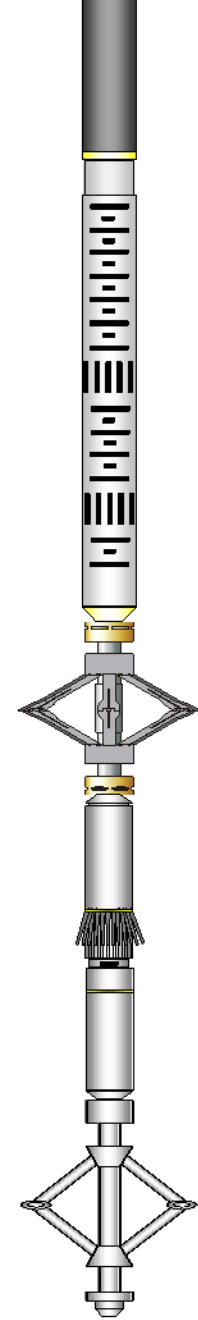
Database File: c:\warrior\data\anadarko\_jester 41n-14hz\0512341349\_anadarko\_jester 41n-14hz\_09-03-15\_mit\_rbl.c  
 Dataset Pathname: pass2  
 Presentation Format: rbt4\_mit  
 Dataset Creation: Thu Sep 03 11:21:59 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240







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 (10024770) Production Gamma Ray	1.93	1.69	9.50
TEMP	22.45		UW_PRT-UW_PRT_016 (10025095) Platinum Resistance Thermometer	1.04	1.69	5.20
			UW_PRC #3 -DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00

WVF3FT	15.42		UW_RBT-UW_RBT_004 (1063) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS1	15.42					
WVFS2	15.42					
WVFS3	15.42					
WVFS4	15.42					
WVFS5	15.42					
WVFS6	15.42					
WVFS7	15.42					
WVFS8	15.42					
CBLTEMP	15.42					
CBLROT	15.42					
WVF5FT	14.42					
			UW_PRC #4 -DSSRAC (081) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	5.41		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC-UW_PRC_057 (1037) 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
TSTAMP	0.00					
Dataset: 0512341349_Anadarko_Jester 41N-14HZ_09-03-15_MIT_RBL.db: field/well/run1/pass4 Total Length: 28.09 ft Total Weight: 324.50 lb O.D. 3.13 in						

Calibration Report			
Database File:	C:\Warrior\Data\Anadarko_Jester 41N-14HZ\0512341349_Anadarko_Jester 41N-14HZ_09-03-15_MIT		
Dataset Pathname:	pass6		
Dataset Creation:	Thu Sep 03 13:46:26 2015 by Log 7.0 B1		
Multi-finger Imaging Tool Calibration Report			
Serial Number:	10012912		
Number of Fingers:	40		
Tool Model:	UW_MIT40_042		
Inclinometer Calibration Report			
Performed:	Mon Jul 15 09:39:36 2013		
Calibration Angle:	45		
	Inc X	Inc Y	
Vertical:	1968	1974	
Finger 1 up:	1710	1711	

Finger 1 up:		1740	1744
Finger 31 up:		2215	1741
Finger 21 up:		2205	2224
Finger 11 up:		1731	2217
Sensitivity ratio:	0.992868		
X-axis angle:	134.307		
Deviation const.:	335.589		

### Finger Calibration Report

Performed: Thu Sep 03 10:56:29 2015

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1038	393.0	1431	389.0	1820	405.0	2225
Finger 02:	1166	403.0	1569	387.0	1956	396.0	2352
Finger 03:	1043	414.0	1457	409.0	1866	427.0	2293
Finger 04:	1096	402.0	1498	397.0	1895	416.0	2311
Finger 05:	1113	408.0	1521	401.0	1922	415.0	2337
Finger 06:	1113	409.0	1522	400.0	1922	415.0	2337
Finger 07:	1054	399.0	1453	397.0	1850	418.0	2268
Finger 08:	1126	405.0	1531	397.0	1928	416.0	2344
Finger 09:	1090	402.0	1492	395.0	1887	411.0	2298
Finger 10:	1079	391.0	1470	394.0	1864	411.0	2275
Finger 11:	1170	408.0	1578	399.0	1977	409.0	2386
Finger 12:	1065	388.0	1453	388.0	1841	415.0	2256
Finger 13:	1093	389.0	1482	383.0	1865	401.0	2266
Finger 14:	1073	391.0	1464	395.0	1859	414.0	2273
Finger 15:	1027	394.0	1421	407.0	1828	427.0	2255
Finger 16:	1053	396.0	1449	408.0	1857	430.0	2287
Finger 17:	948	367.0	1315	388.0	1703	426.0	2129
Finger 18:	1077	375.0	1452	384.0	1836	405.0	2241
Finger 19:	1061	382.0	1443	394.0	1837	415.0	2252
Finger 20:	1017	380.0	1397	400.0	1797	428.0	2225
Finger 21:	1017	385.0	1402	401.0	1803	416.0	2219
Finger 22:	993	384.0	1377	401.0	1778	429.0	2207
Finger 23:	991	389.0	1380	410.0	1790	439.0	2229
Finger 24:	1037	383.0	1420	393.0	1813	406.0	2219
Finger 25:	965	385.0	1350	407.0	1757	437.0	2194
Finger 26:	1090	377.0	1467	381.0	1848	400.0	2248
Finger 27:	1021	391.0	1412	401.0	1813	420.0	2233
Finger 28:	1051	380.0	1431	386.0	1817	407.0	2224
Finger 29:	984	389.0	1373	405.0	1778	429.0	2207
Finger 30:	1021	387.0	1408	397.0	1805	423.0	2228
Finger 31:	1078	389.0	1467	390.0	1857	410.0	2267
Finger 32:	1013	396.0	1409	406.0	1815	427.0	2242
Finger 33:	1153	395.0	1548	380.0	1928	385.0	2313
Finger 34:	1035	387.0	1422	384.0	1806	409.0	2215
Finger 35:	1013	410.0	1423	419.0	1842	438.0	2280
Finger 36:	1017	404.0	1421	403.0	1824	425.0	2249
Finger 37:	1110	404.0	1514	394.0	1908	408.0	2316
Finger 38:	1139	400.0	1539	387.0	1926	392.0	2318
Finger 39:	1158	395.0	1553	385.0	1938	394.0	2332
Finger 40:	1066	406.0	1472	399.0	1871	415.0	2286

### Post Survey Calibration Check

Performed: Thu Sep 03 13:45:54 2015

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	3.988	-0.006	5.007	0.003	6.015	0.007	7.015	0.007
Finger 02:	3.988	-0.006	5.006	0.003	6.012	0.006	7.017	0.008
Finger 03:	3.999	-0.000	5.008	0.004	6.011	0.006	7.005	0.002
Finger 04:	3.991	-0.004	5.011	0.005	6.012	0.006	7.015	0.007
Finger 05:	3.984	-0.008	5.011	0.005	6.015	0.008	7.018	0.009
Finger 06:	3.985	-0.007	5.007	0.004	6.013	0.006	7.013	0.006
Finger 07:	3.979	-0.011	5.008	0.004	6.017	0.009	7.024	0.012
Finger 08:	3.989	-0.006	5.005	0.003	6.015	0.008	7.017	0.009

Finger 08:	3.989	-0.006	5.005	0.002	6.015	0.008	7.017	0.009
Finger 09:	3.976	-0.012	5.004	0.002	6.006	0.003	7.015	0.008
Finger 10:	3.987	-0.007	5.017	0.008	6.015	0.007	7.017	0.009
Finger 11:	3.992	-0.004	5.012	0.006	6.016	0.008	7.021	0.011
Finger 12:	3.987	-0.006	5.011	0.005	6.015	0.007	7.005	0.003
Finger 13:	3.994	-0.003	5.011	0.006	6.018	0.009	7.019	0.009
Finger 14:	3.990	-0.005	5.015	0.007	6.015	0.007	7.019	0.010
Finger 15:	3.980	-0.010	5.007	0.004	6.012	0.006	7.019	0.010
Finger 16:	3.992	-0.004	5.012	0.006	6.014	0.007	7.022	0.011
Finger 17:	3.994	-0.003	5.017	0.008	6.016	0.008	7.020	0.010
Finger 18:	3.991	-0.005	5.012	0.006	6.015	0.007	7.018	0.009
Finger 19:	3.989	-0.005	5.008	0.004	6.017	0.009	7.018	0.009
Finger 20:	3.988	-0.006	5.013	0.006	6.012	0.006	7.016	0.008
Finger 21:	3.989	-0.005	5.010	0.005	6.014	0.007	7.014	0.007
Finger 22:	3.988	-0.006	5.009	0.004	6.015	0.007	7.018	0.009
Finger 23:	3.992	-0.004	5.009	0.004	6.016	0.008	7.015	0.008
Finger 24:	3.993	-0.004	5.012	0.006	6.015	0.008	7.017	0.009
Finger 25:	3.991	-0.005	5.011	0.006	6.018	0.009	7.014	0.007
Finger 26:	3.985	-0.007	5.007	0.004	6.013	0.006	7.015	0.008
Finger 27:	3.994	-0.003	5.012	0.006	6.002	0.001	7.010	0.005
Finger 28:	3.965	-0.018	4.996	-0.002	6.012	0.006	7.017	0.009
Finger 29:	3.990	-0.005	5.008	0.004	6.017	0.008	7.015	0.008
Finger 30:	3.988	-0.006	5.008	0.004	6.013	0.007	7.011	0.006
Finger 31:	3.974	-0.013	4.999	-0.001	6.011	0.005	7.011	0.005
Finger 32:	3.982	-0.009	5.004	0.002	6.014	0.007	7.011	0.005
Finger 33:	3.990	-0.005	5.015	0.008	6.016	0.008	7.012	0.006
Finger 34:	3.990	-0.005	5.001	0.001	6.017	0.008	7.020	0.010
Finger 35:	3.997	-0.002	5.062	0.031	6.025	0.012	7.064	0.032
Finger 36:	4.003	0.002	5.008	0.004	6.014	0.007	7.016	0.008
Finger 37:	3.992	-0.004	5.011	0.006	6.015	0.007	7.013	0.007
Finger 38:	3.989	-0.006	5.007	0.003	6.012	0.006	7.015	0.007
Finger 39:	3.985	-0.007	5.010	0.005	6.014	0.007	7.013	0.007
Finger 40:	3.983	-0.009	5.005	0.002	6.014	0.007	7.010	0.005
Average:	3.988	-0.006	5.010	0.005	6.014	0.007	7.017	0.008

Segmented Cement Bond Log Calibration Report						
Serial Number:		1063				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		10.061	ft			
Master Calibration, performed Thu Sep 03 08:04:05 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.003	1.000	1.000	62.165	61.007	1.158
5FT	-0.006	1.000	1.000	62.165	60.789	1.376
S1	-0.004	1.000	0.000	100.000	99.635	0.365
S2	-0.004	1.000	0.000	100.000	99.647	0.353
S3	-0.004	1.000	0.000	100.000	99.639	0.361
S4	-0.004	1.000	0.000	100.000	99.635	0.365
S5	-0.002	1.000	0.000	100.000	99.756	0.244
S6	-0.003	1.000	0.000	100.000	99.718	0.282
S7	-0.002	1.000	0.000	100.000	99.756	0.244
S8	-0.003	1.000	0.000	100.000	99.744	0.256

Temperature Calibration Report							
Serial Number:		10025095					
Tool Model:		UW_PRT_016					
Tool ID:		UW-10-00-0015					

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

## Gamma Ray Calibration Report

Serial Number: 10024770  
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 Jester 41N-14HZ  
Field Wattenberg  
County Weld  
State Colorado