



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company				Kerr-McGee Oil & Gas Onshore, L.P.			
Well				Scott 26N-32HZ			
Field				Wattenberg			
County				Weld			
State				Colorado			
Location:				API # : 05-123-38827			
SHL: 2,446' FNL, 870' FEL Lat/Long: 40.168445/-104.907525 SEC 5 TWP 2N RGE 67W				Other Services Gauge Ring CIL			
Permanent Datum		Ground Level		Elevation		4874'	
Log Measured From		Kelly Bushing		16 FT		K.B. 4890' D.F. 4889' G.L. 4874'	
Drilling Measured From		Kelly Bushing					
Date				03-June-2014			
Run Number				Two			
Depth Driller				14,570 FT			
Depth Logger				7,076 FT			
Bottom Logged Interval				7,076 FT			
Top Log Interval				Surface			
Open Hole Size				8,750"			
Type Fluid				Water			
Density / Viscosity				8.34 lbm/gal			
Max. Recorded Temp.				219.4°F			
Estimated Cement Top				290 FT			
Time Well Ready				7:00 AM			
Time Logger on Bottom				11:00			
Equipment Number				HD-134			
Location				Fort Lupton, CO			
Recorded By				H. Raby			
Witnessed By				Keith Kallsen			
Borehole Record				Tubing Record			
Run Number		Bit		From		To	
Casing Record		Size (in)		Wgt (lbs/Ft)		Grade	
Surface Casing		9-5/8"		36#		J-55 LTC	
Intermediate #1		7"		26#		HPC 110 LTC	
Intermediate #2							
Liner		4-1/2"		11.6#		P-110	
						6,569 FT	
						14,557 FT	

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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
All wireline depths measured from KB zero at 16 FT.
Depth reference to Casing Tally reported Liner Top at 6569 FT.
Adjusted -1.80 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 7050 FT to surface.
Log ran with 2800 PSI surface induced pressure.

Thank you for choosing FMC Technologies Completion Services, Inc.!!



7" Main Pass

Recorded with 2800 PSI surface induced pressure.

Database File: 0512338827_anadarko_scott 26n-32hz_06-03-14_mit_rbl.db

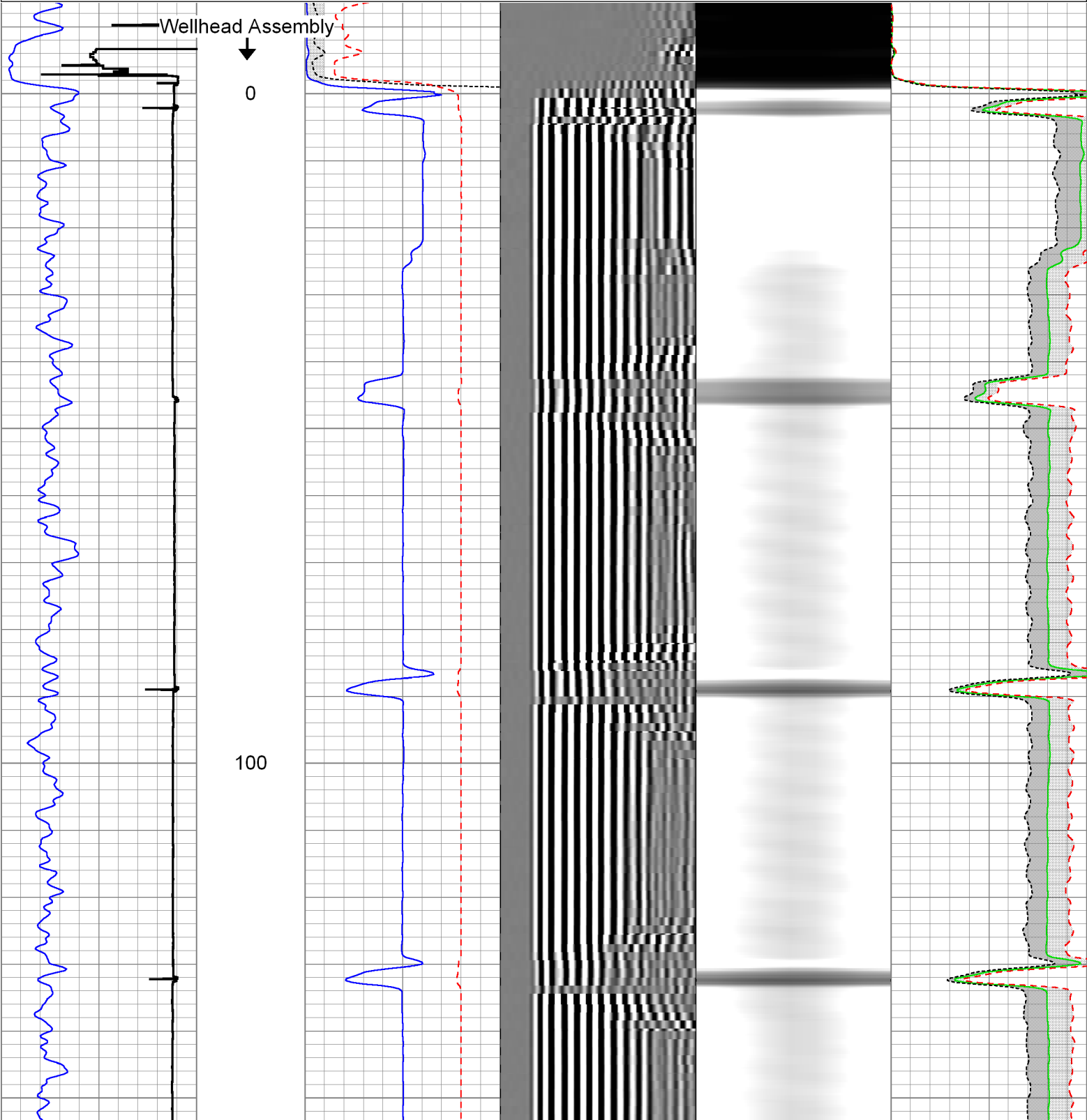
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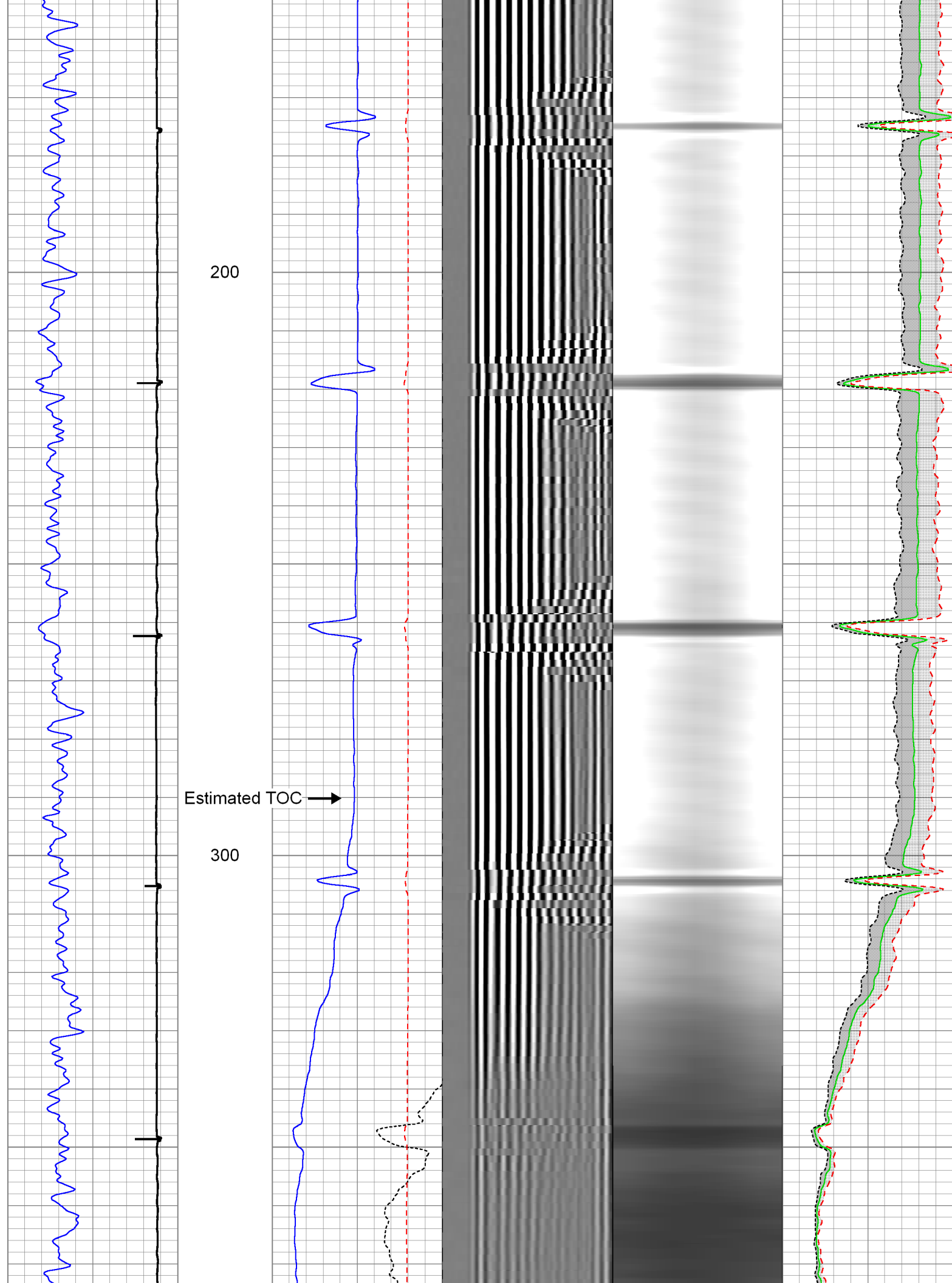
Presentation Format: rbt004

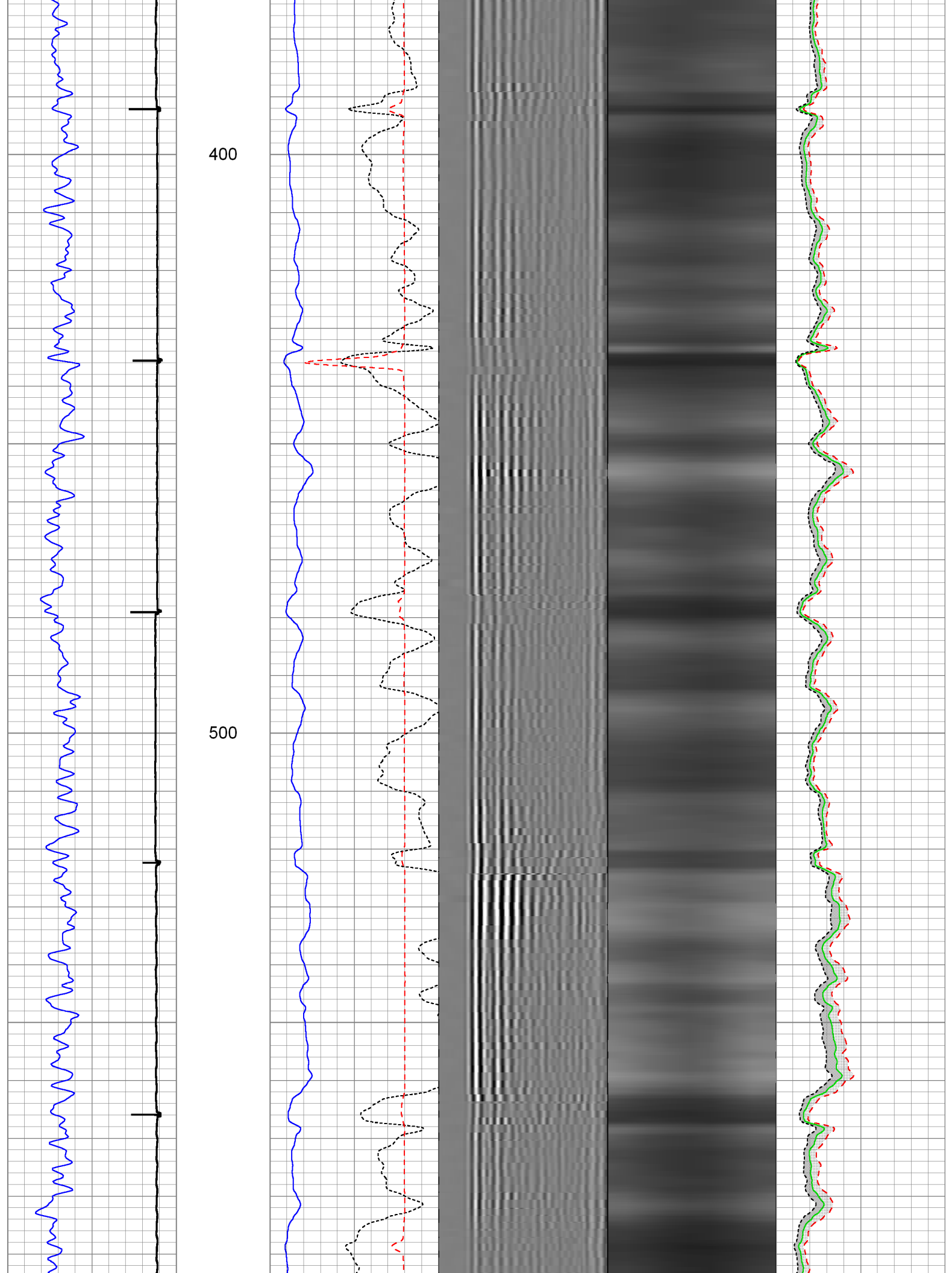
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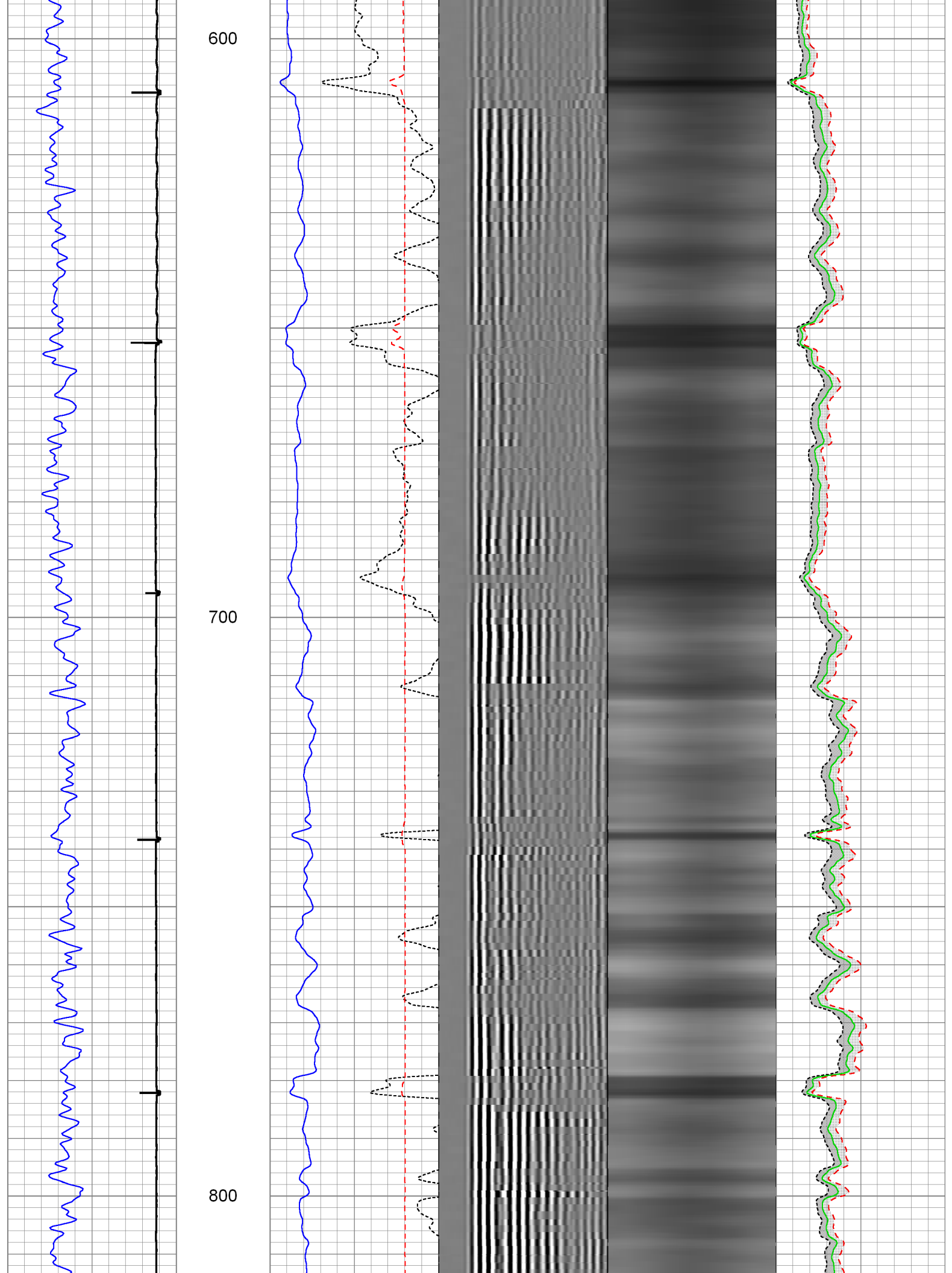
Charted by: Depth in Feet scaled 1:240

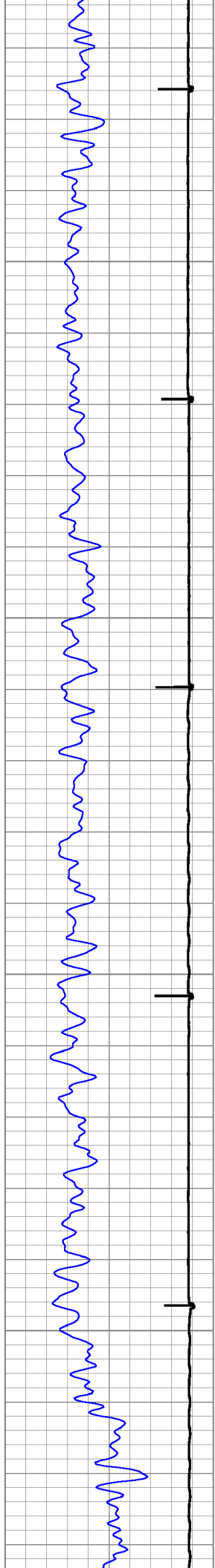
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
	0 (mV) 20			0 100
	3' Travel Time			Maximum Amplitude
	650 (usec) 150			0 100





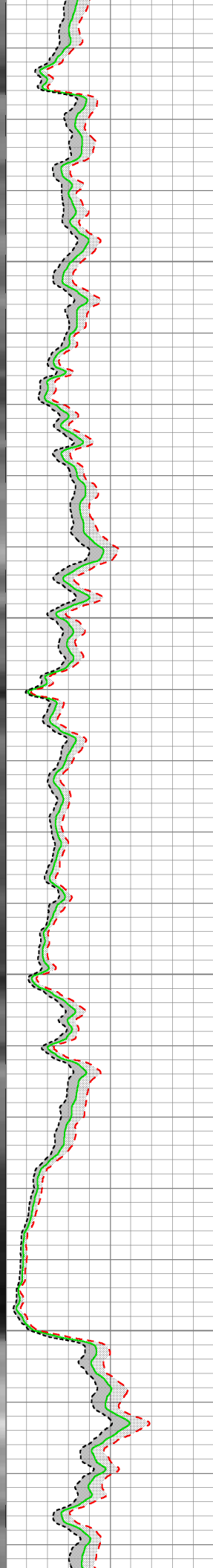
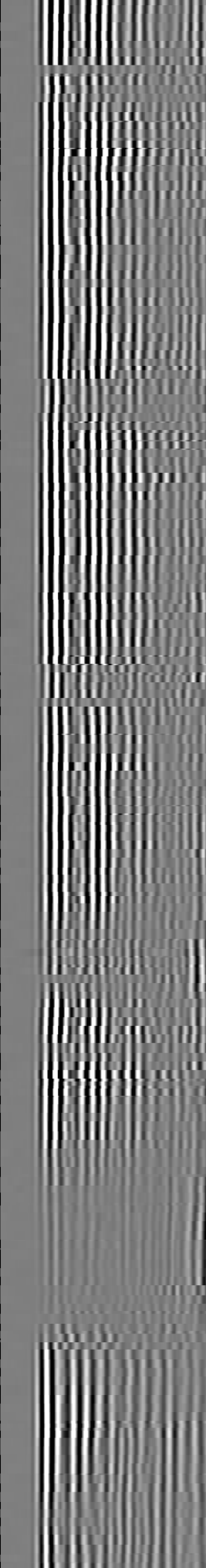
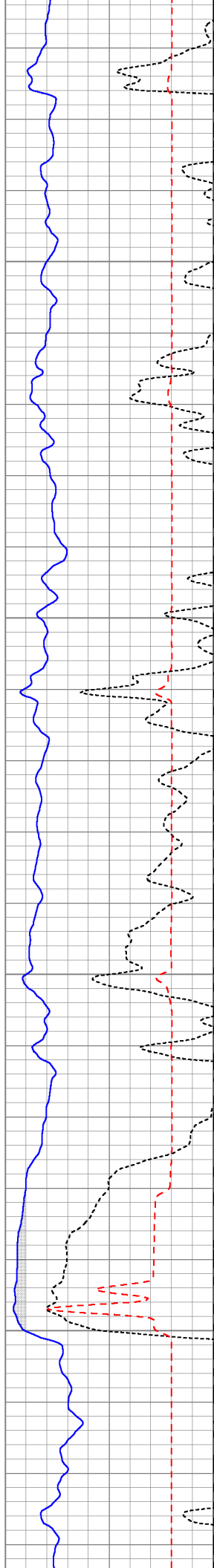


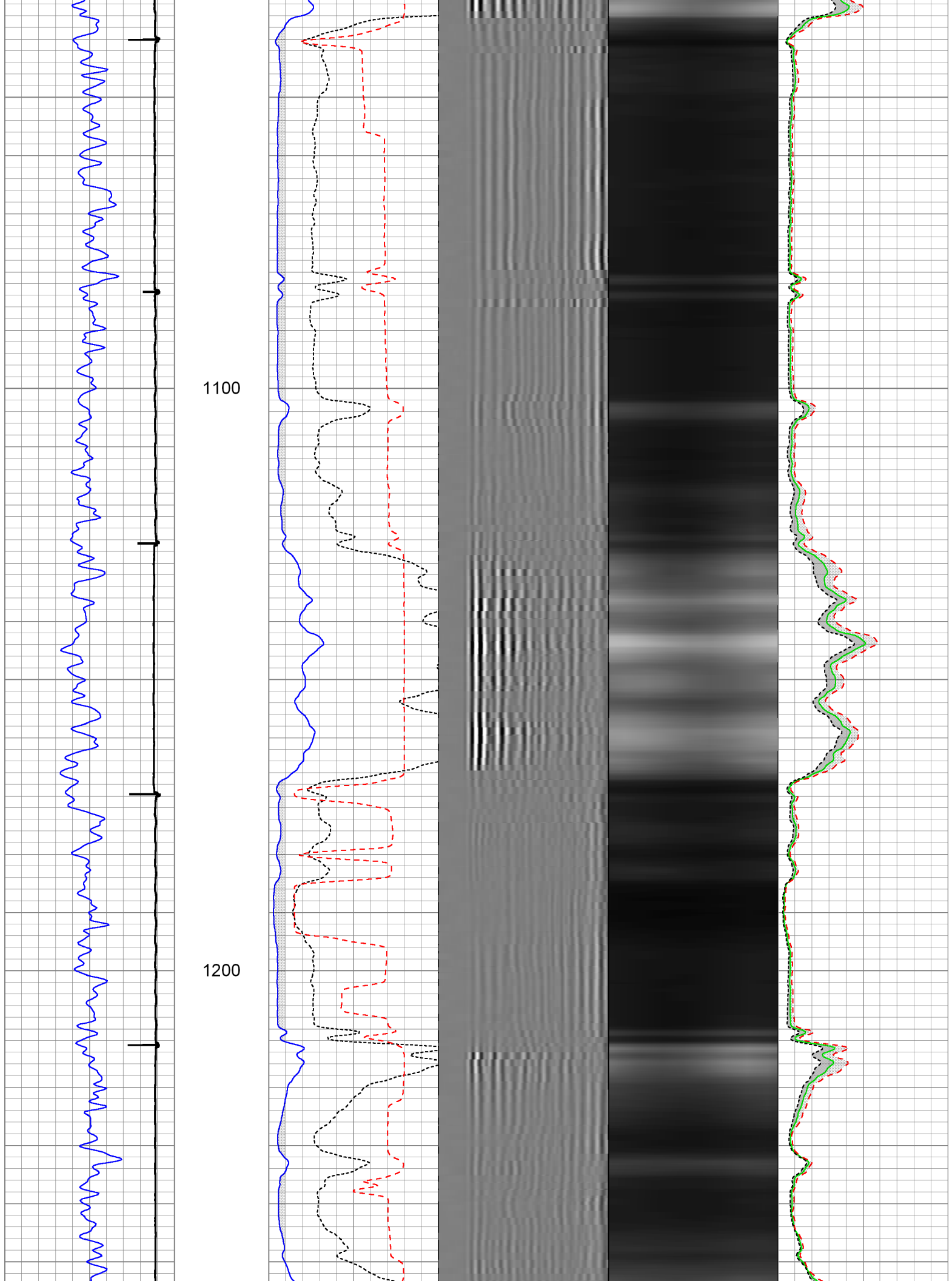


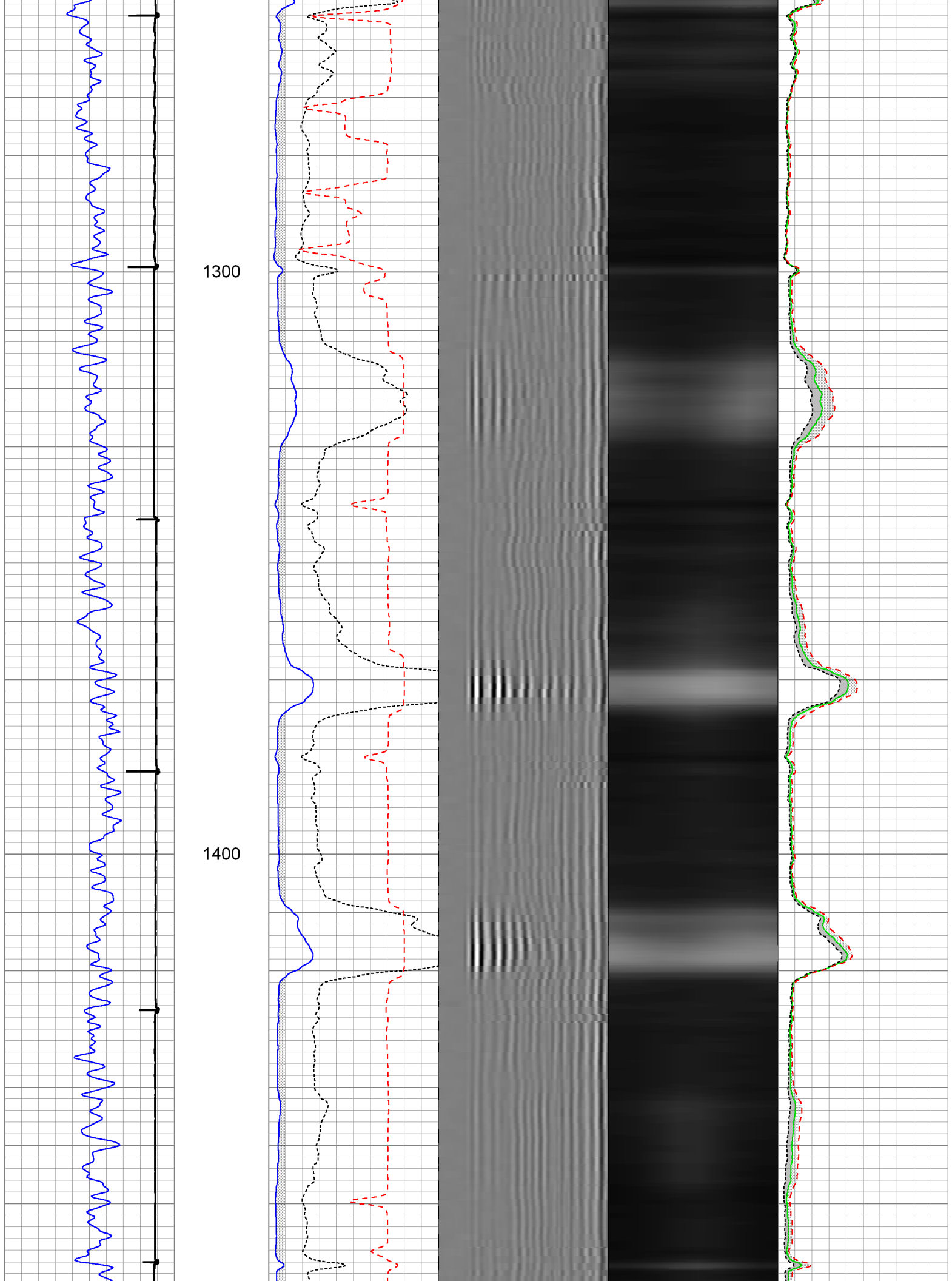


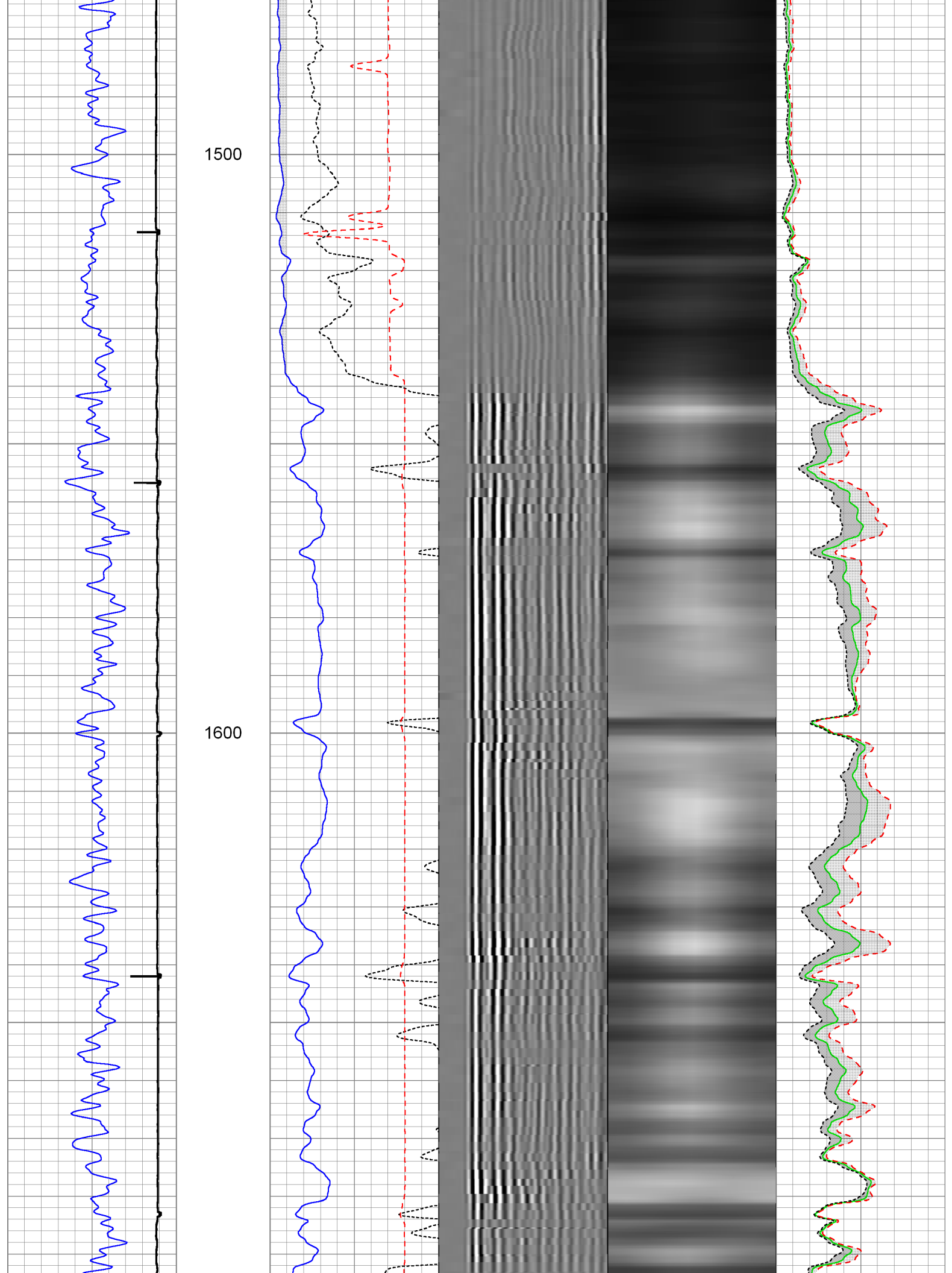
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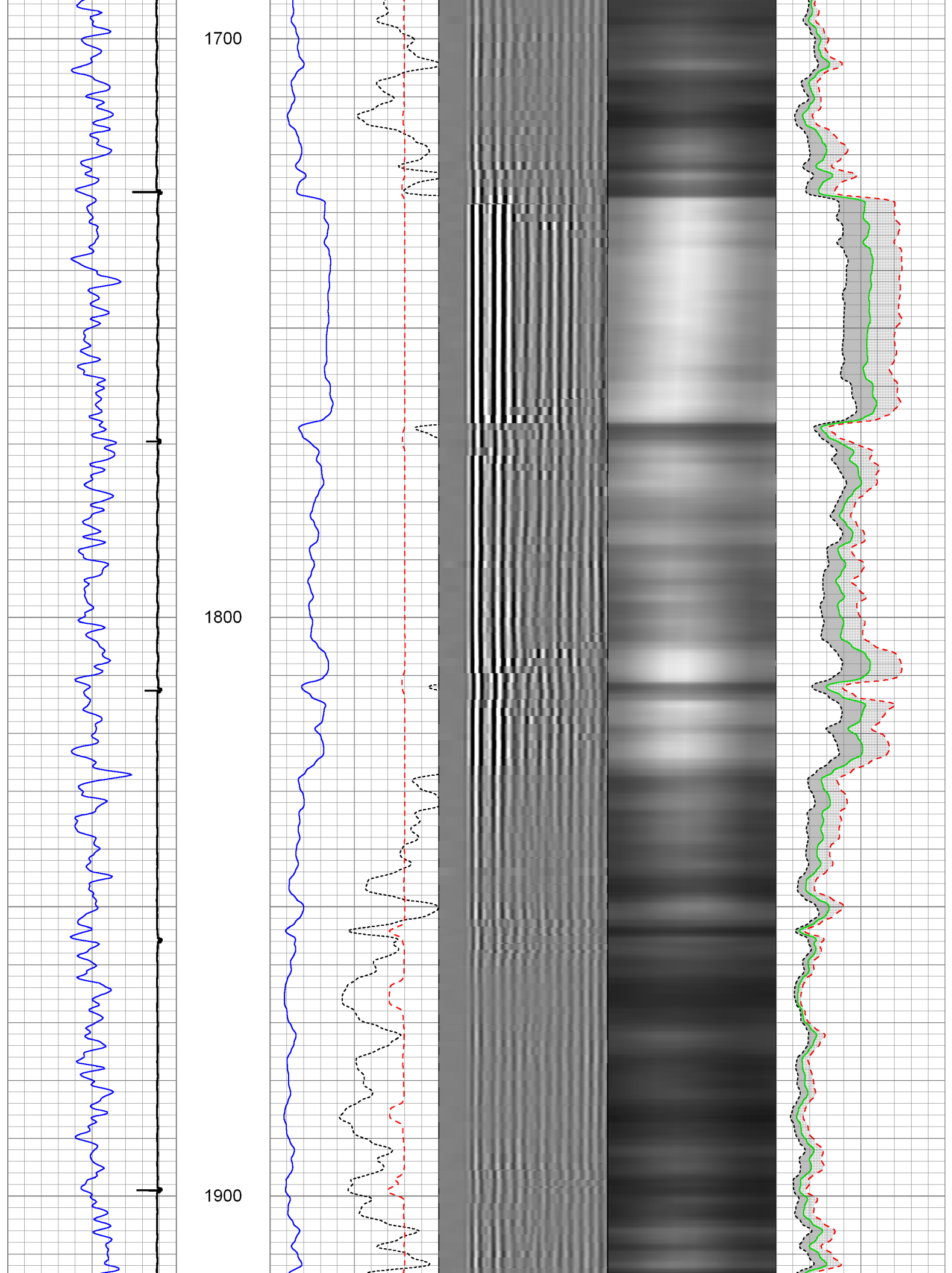
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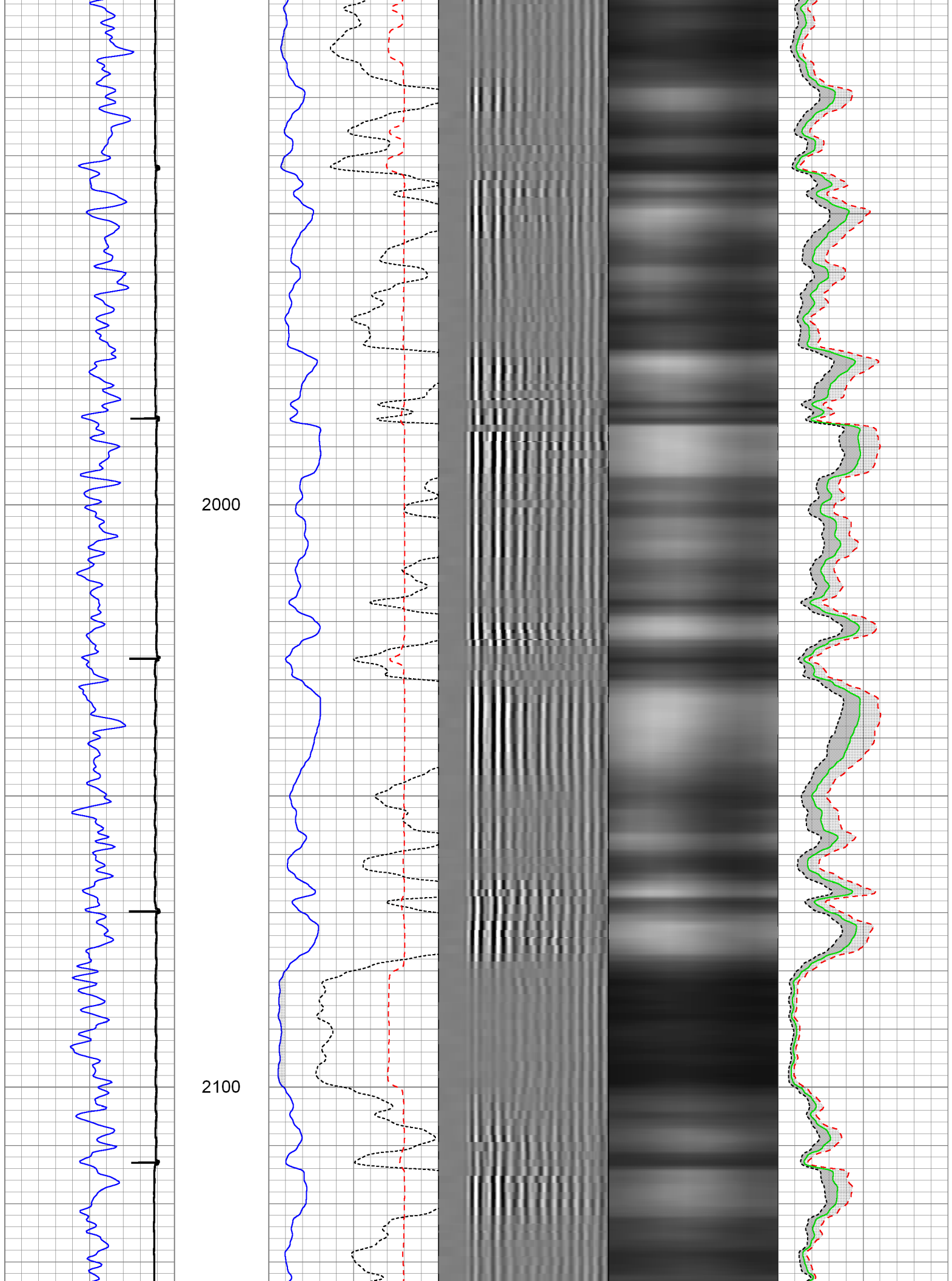


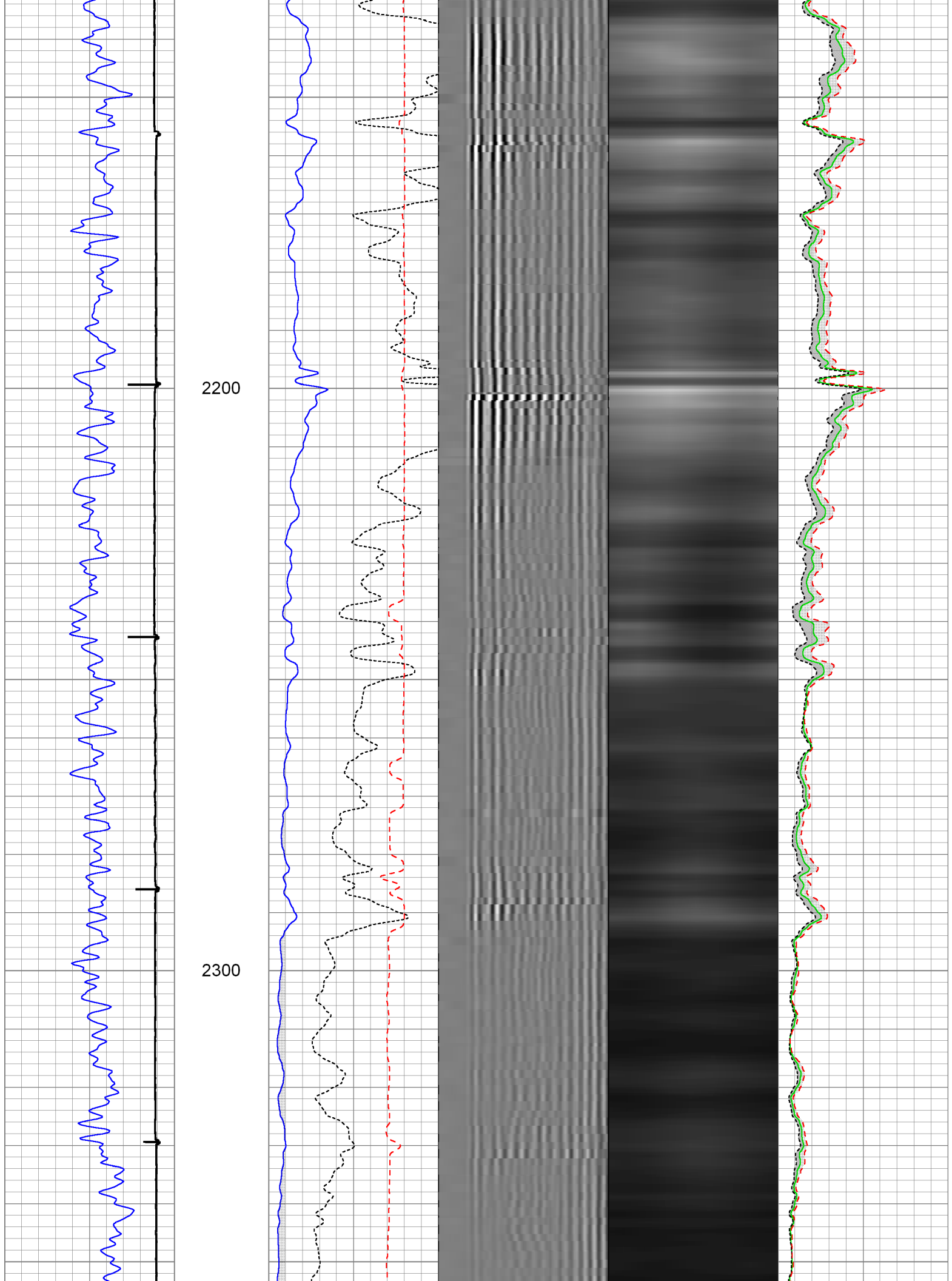


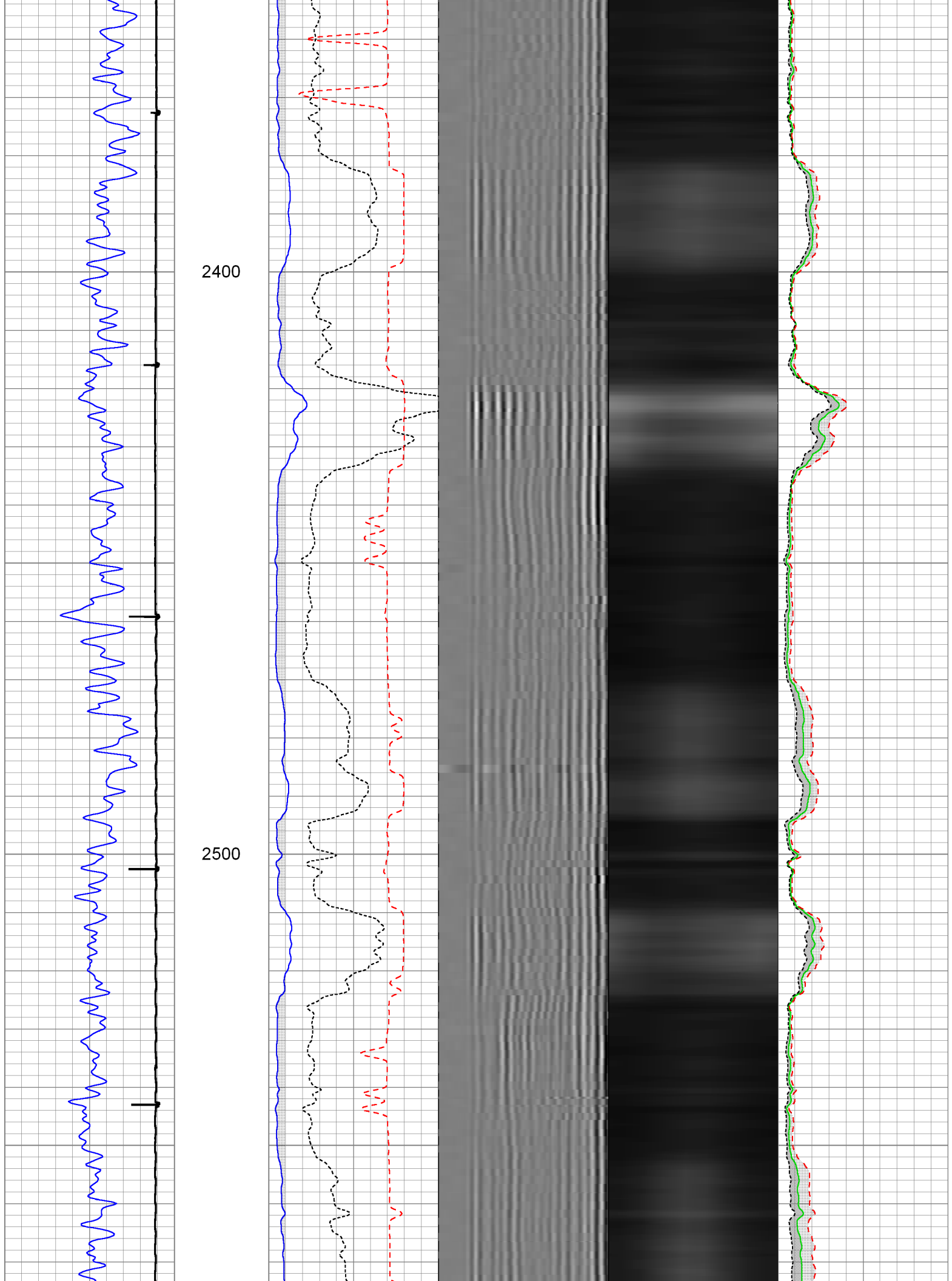






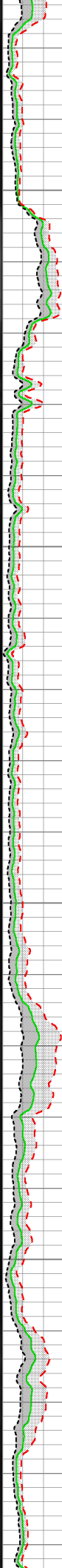
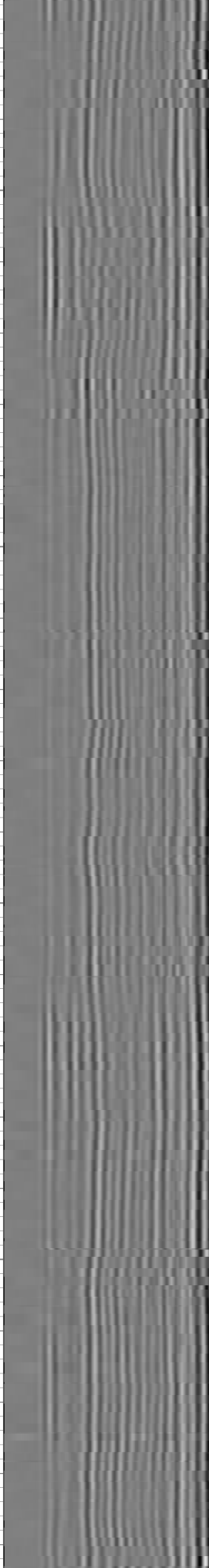
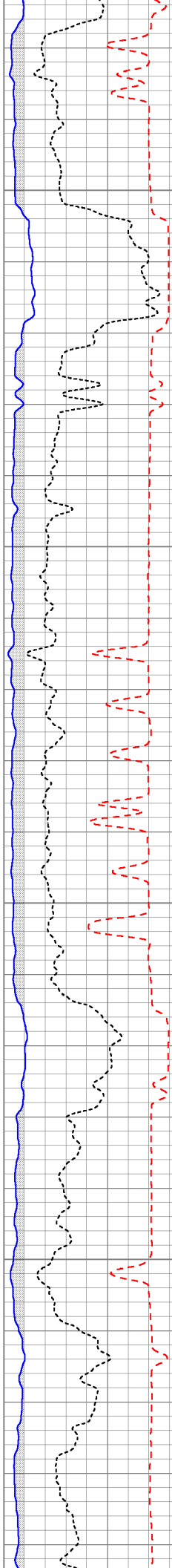
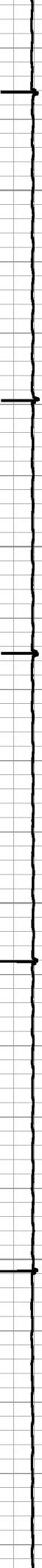






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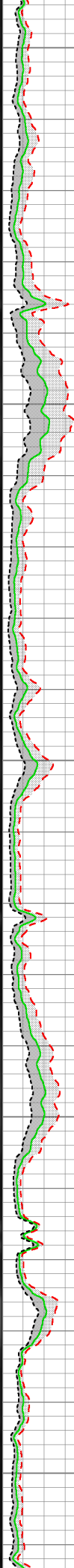
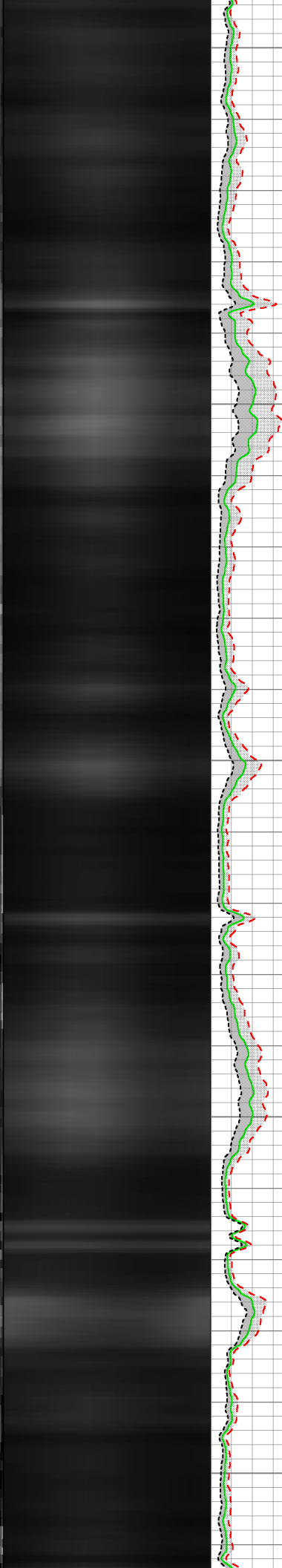
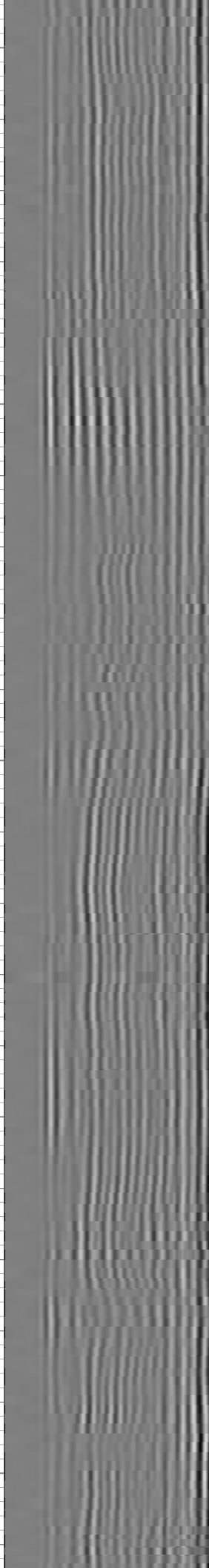
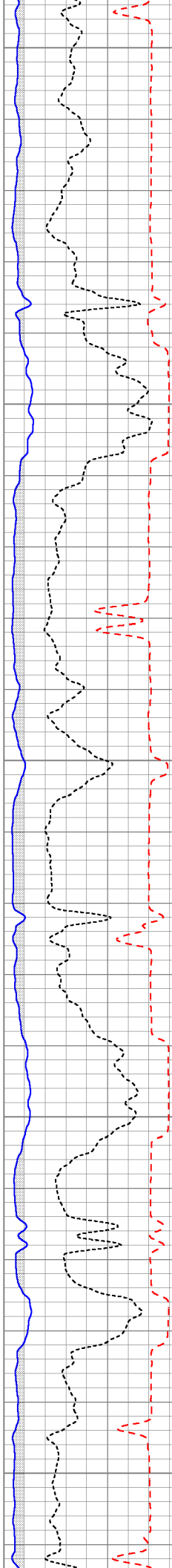
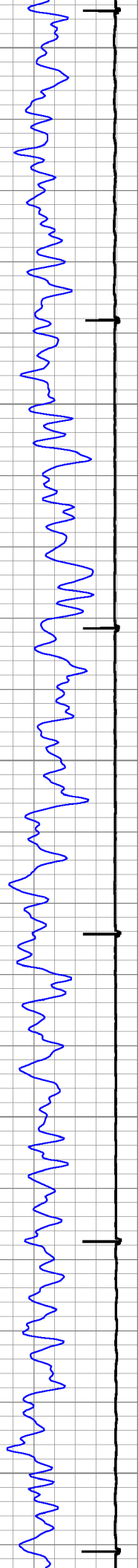
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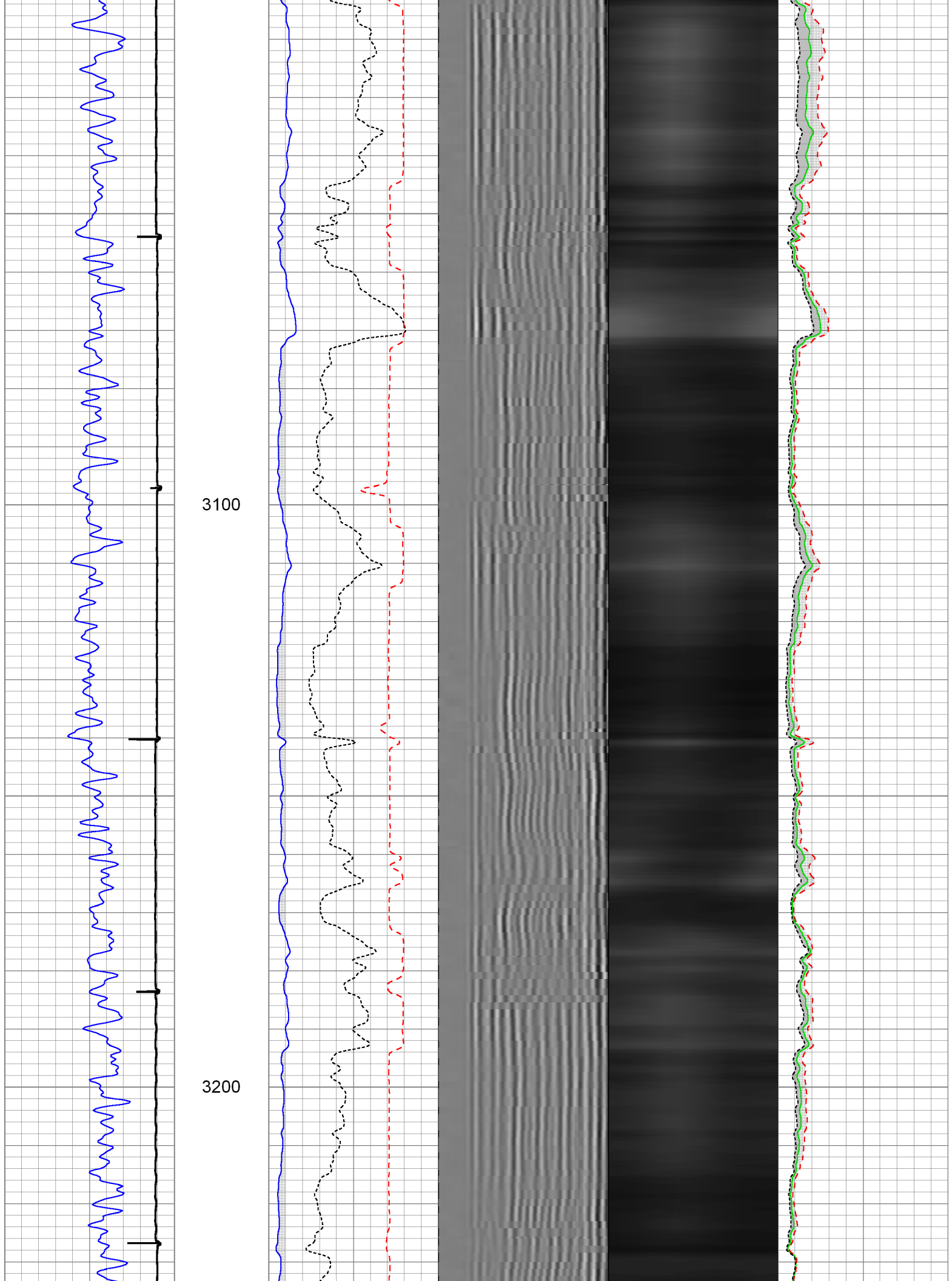


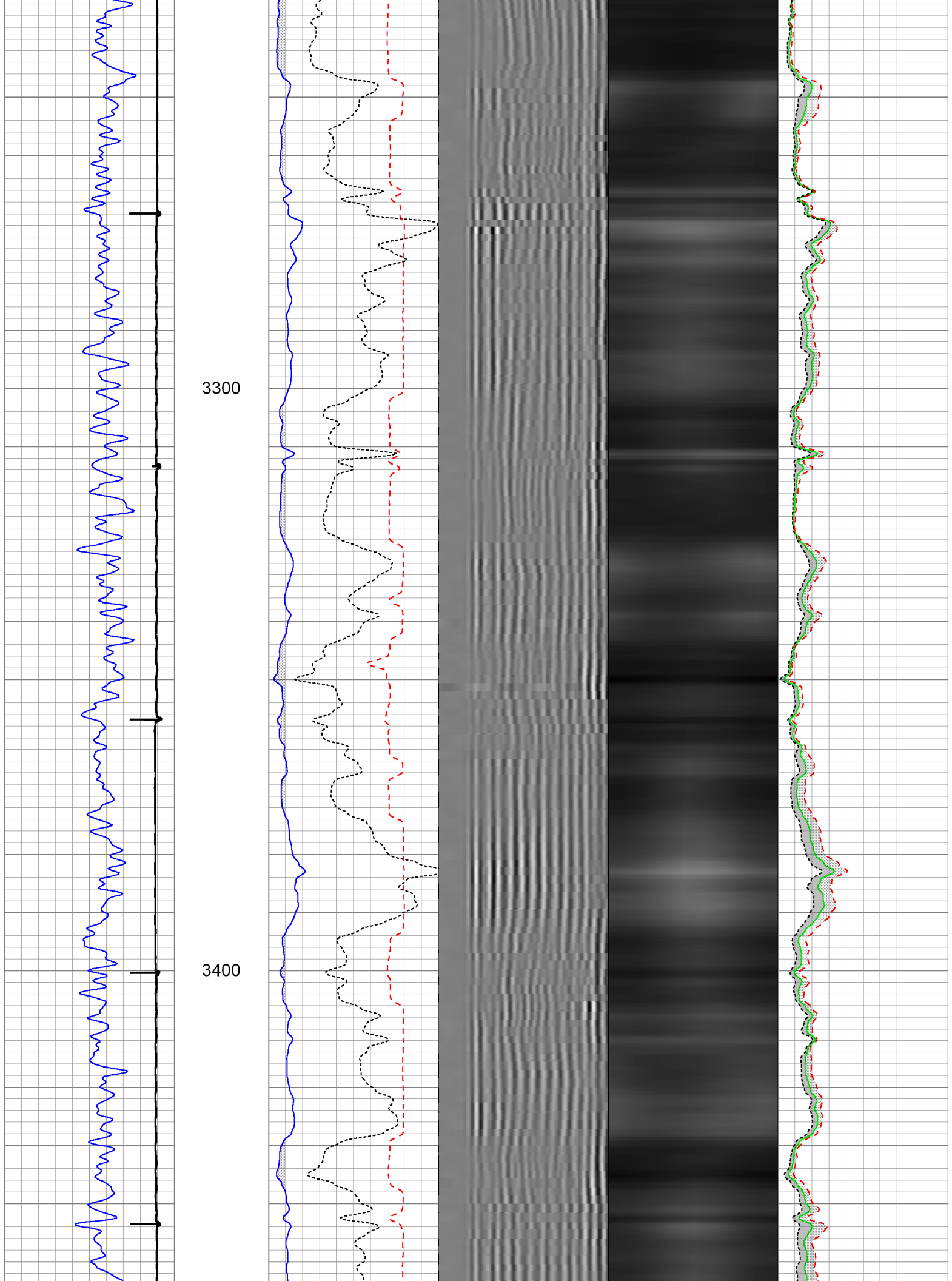
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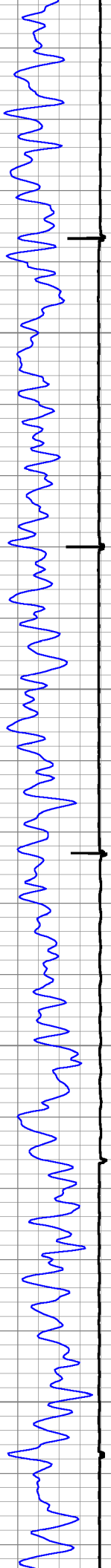
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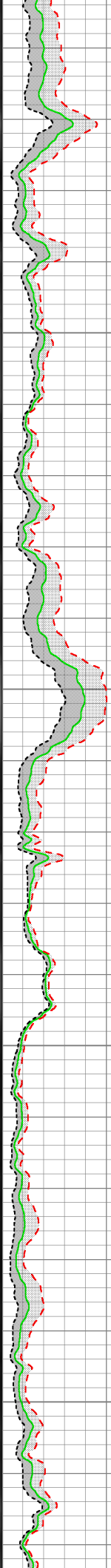
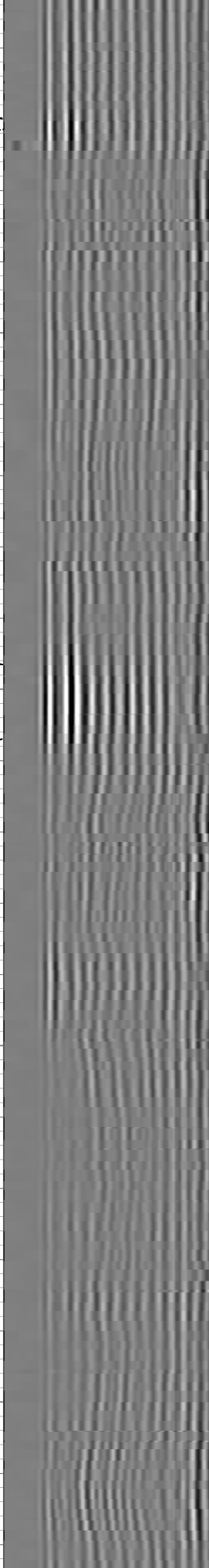
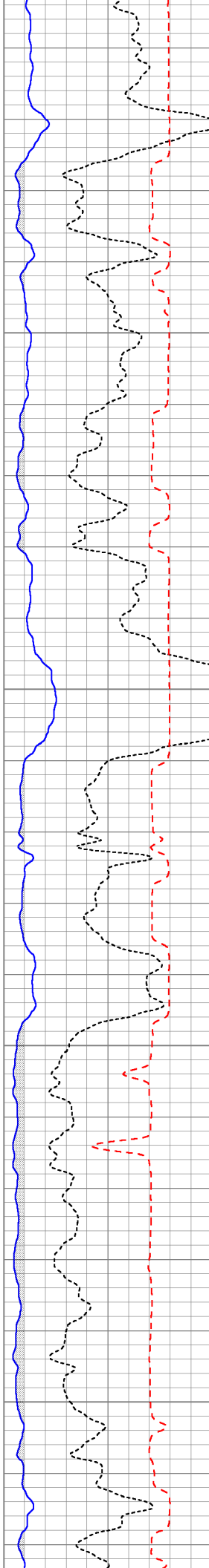


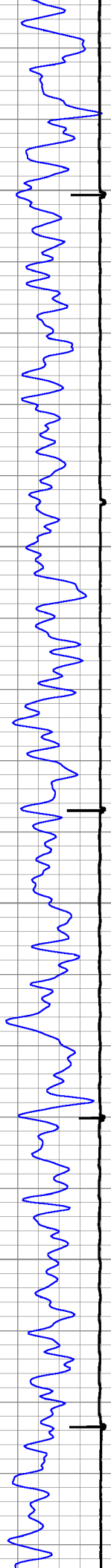




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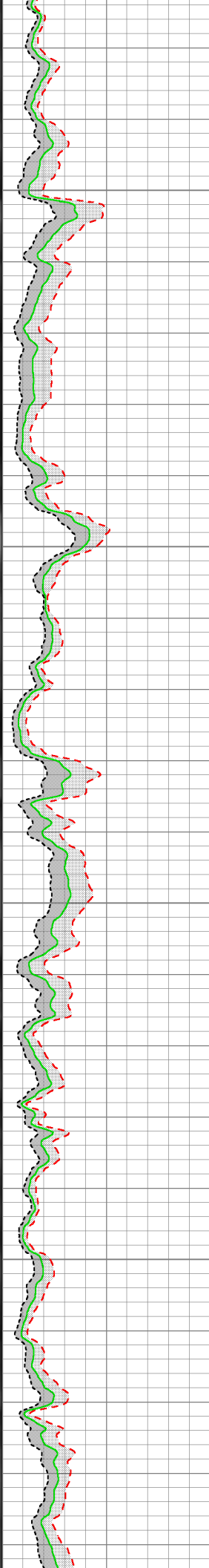
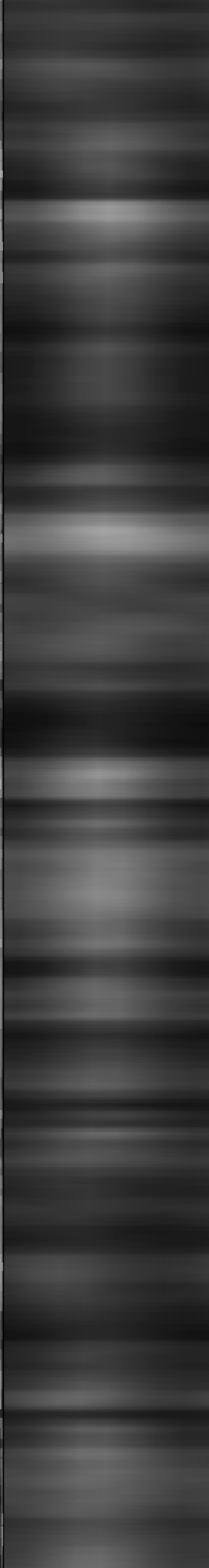
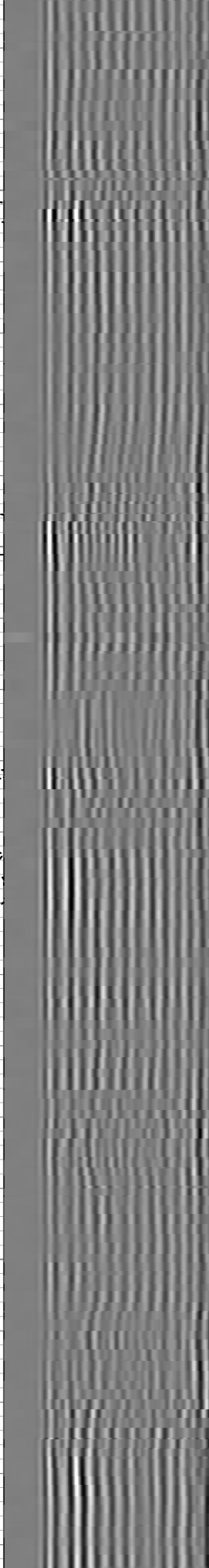
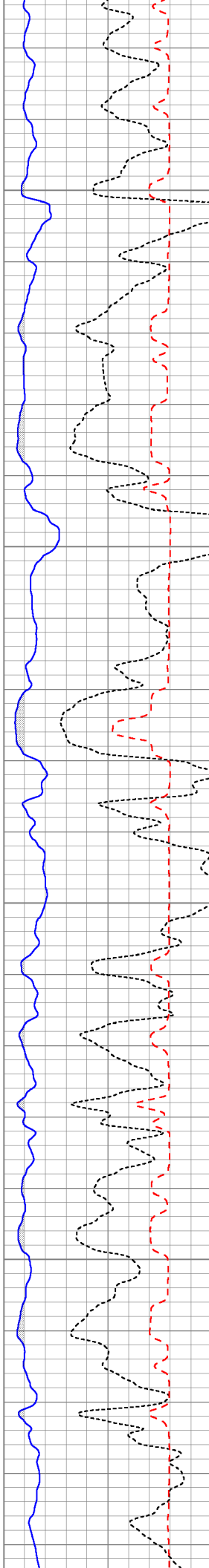
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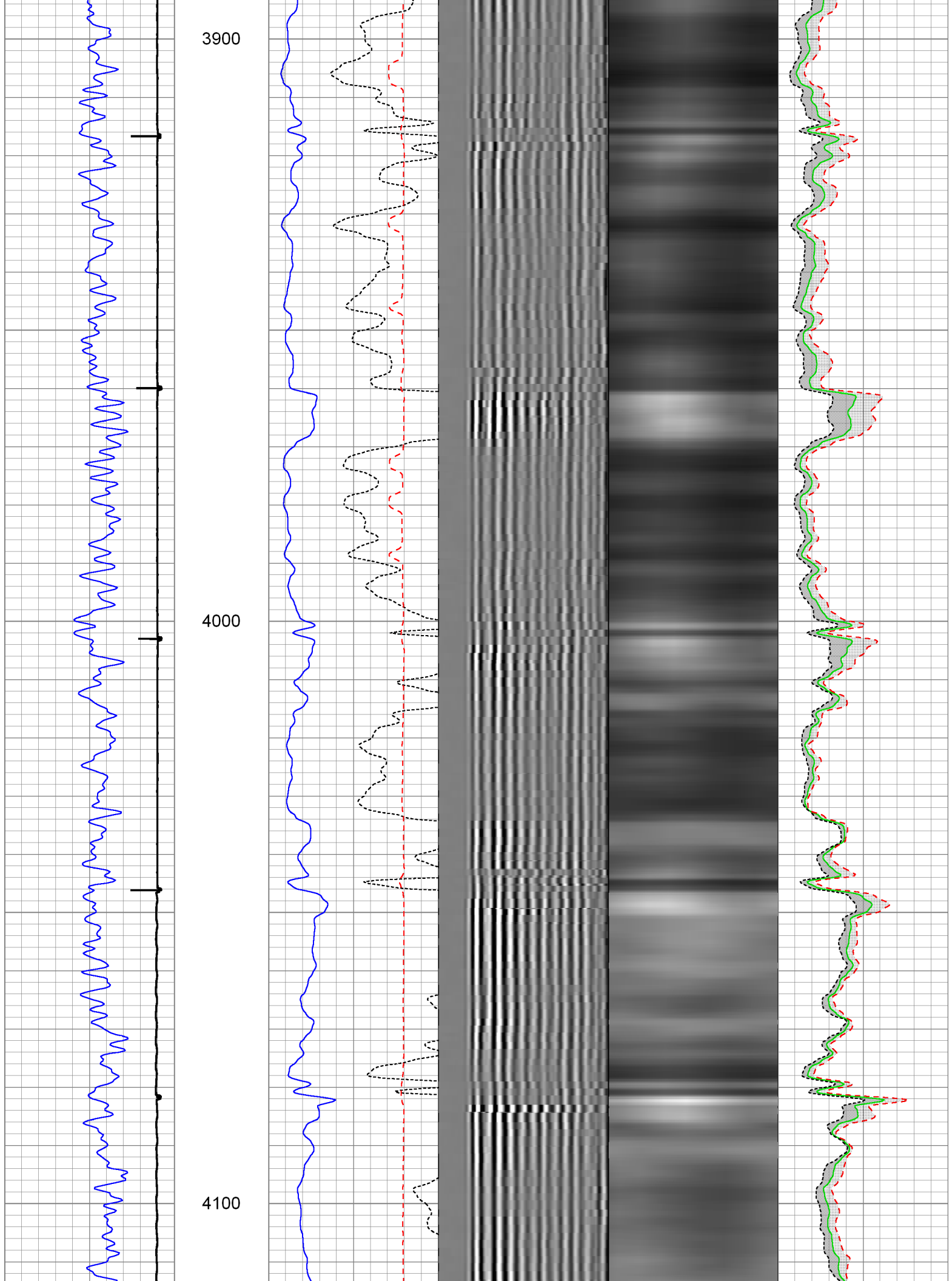
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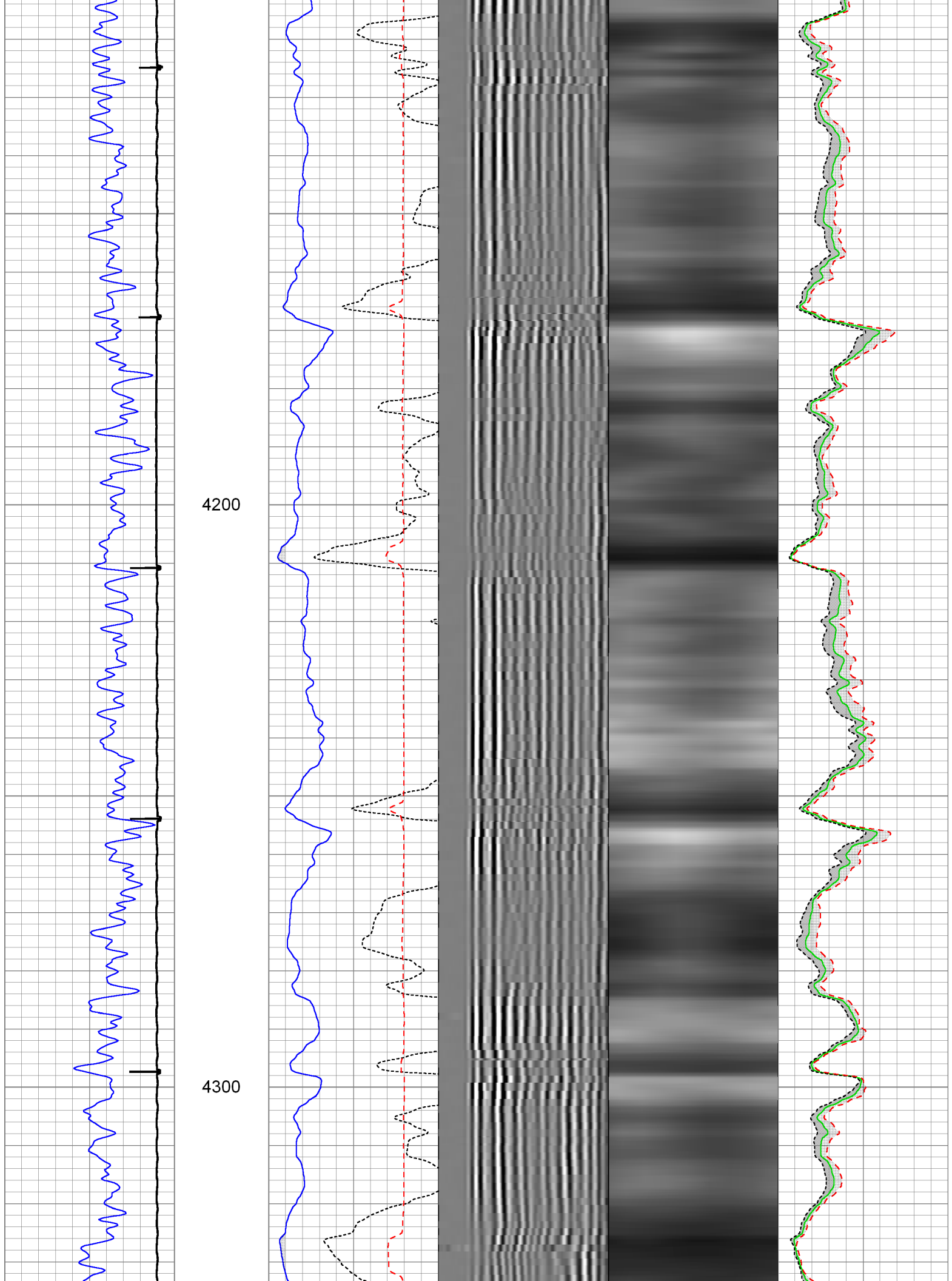


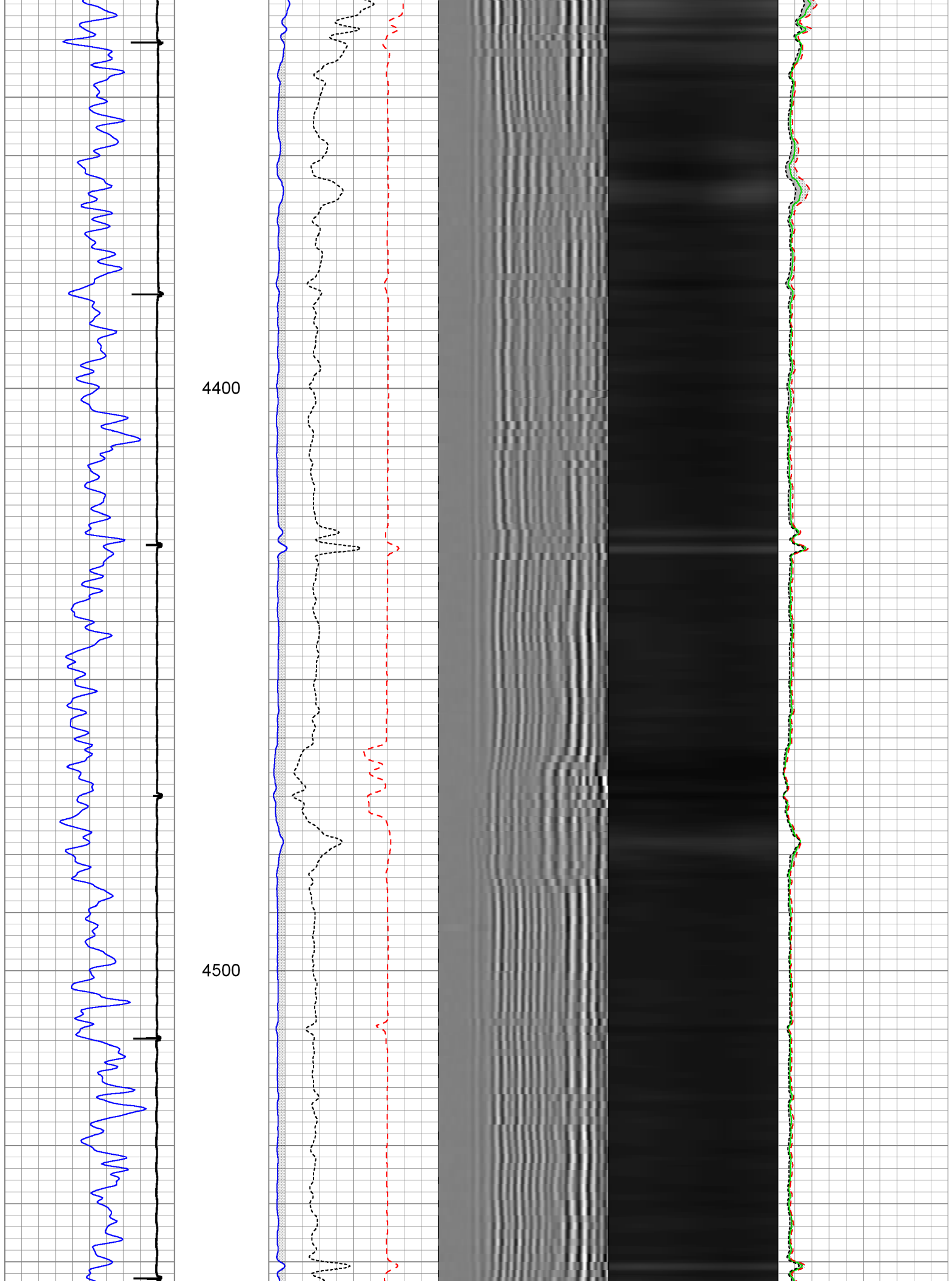
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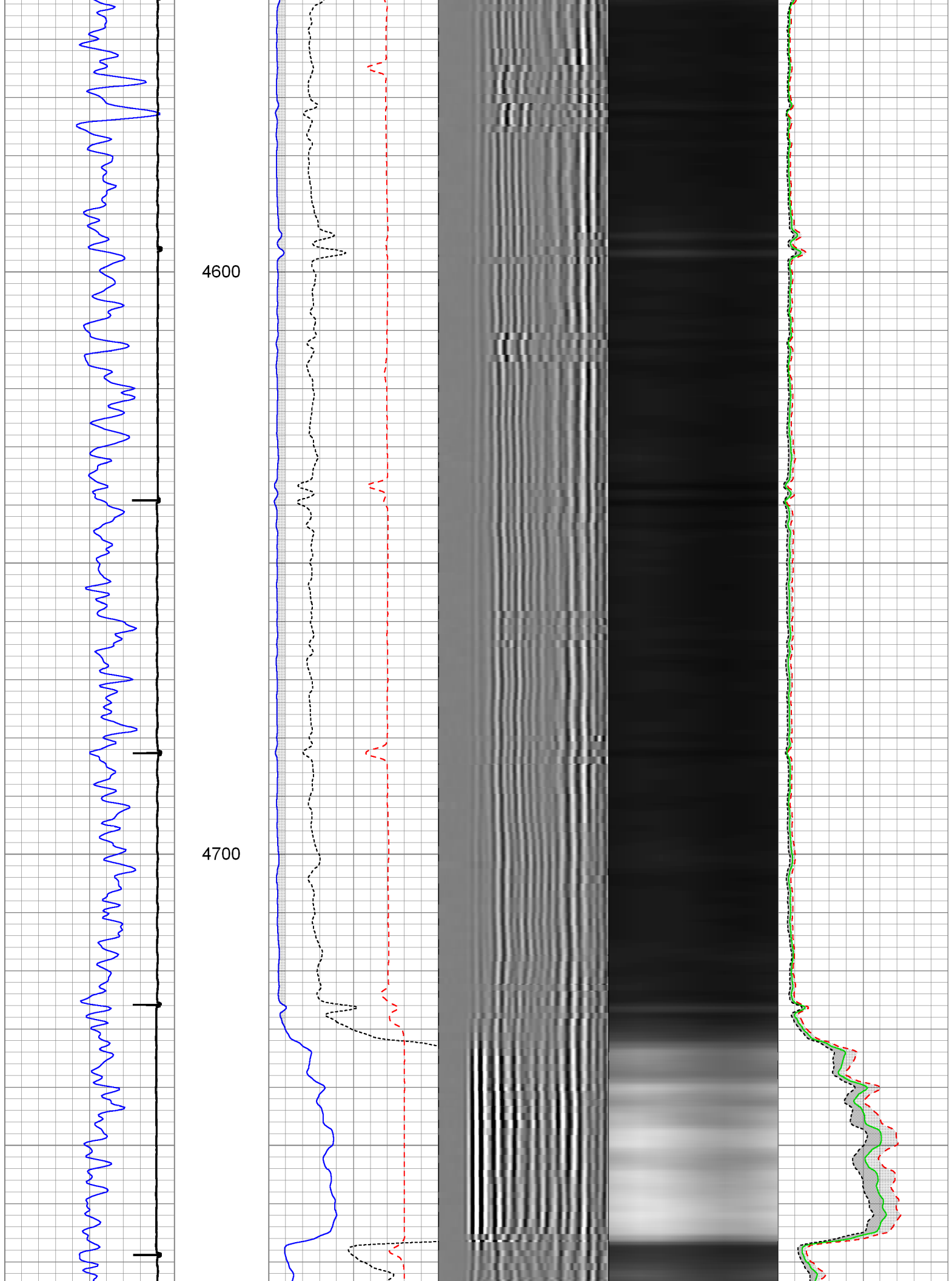


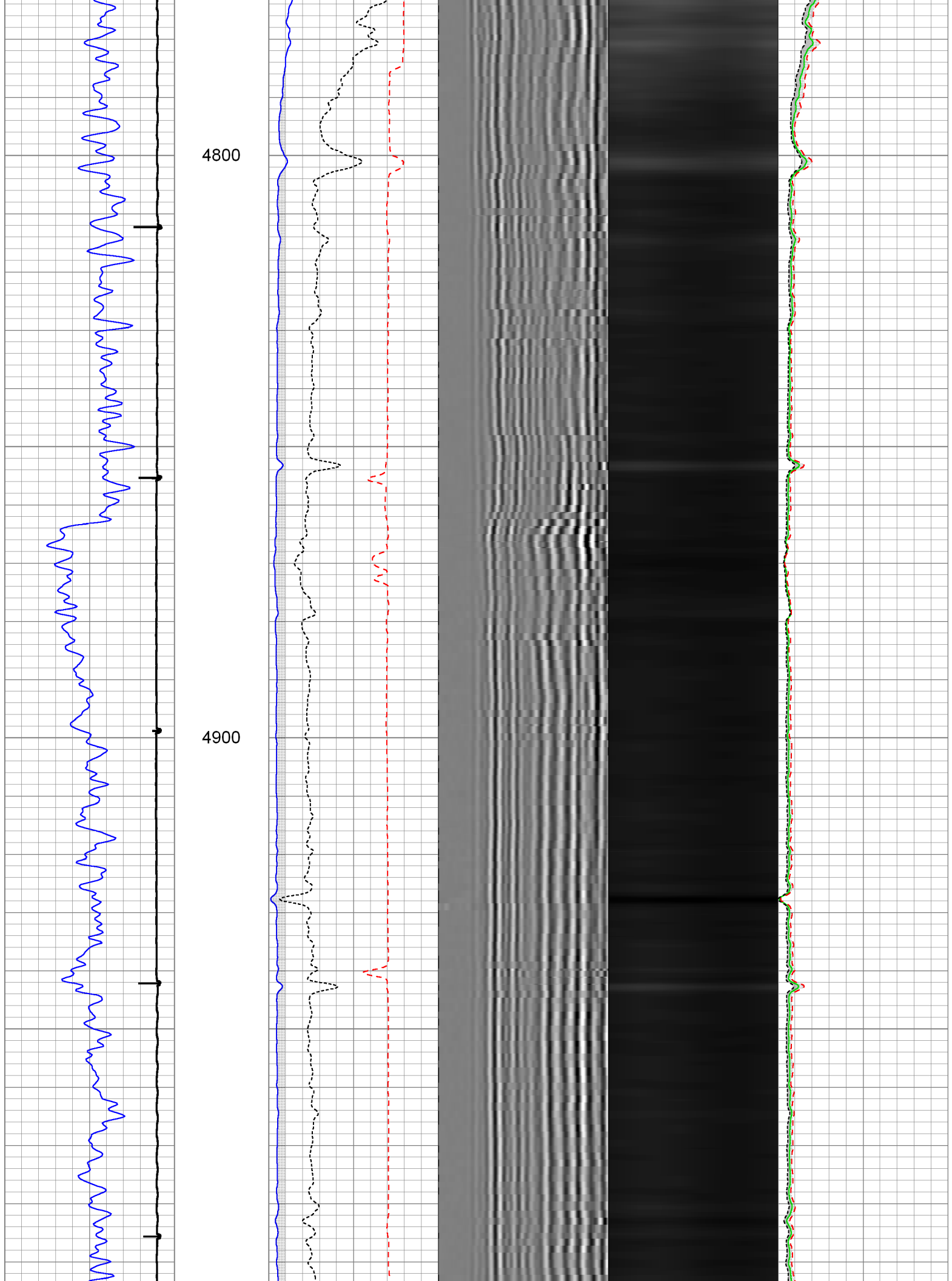


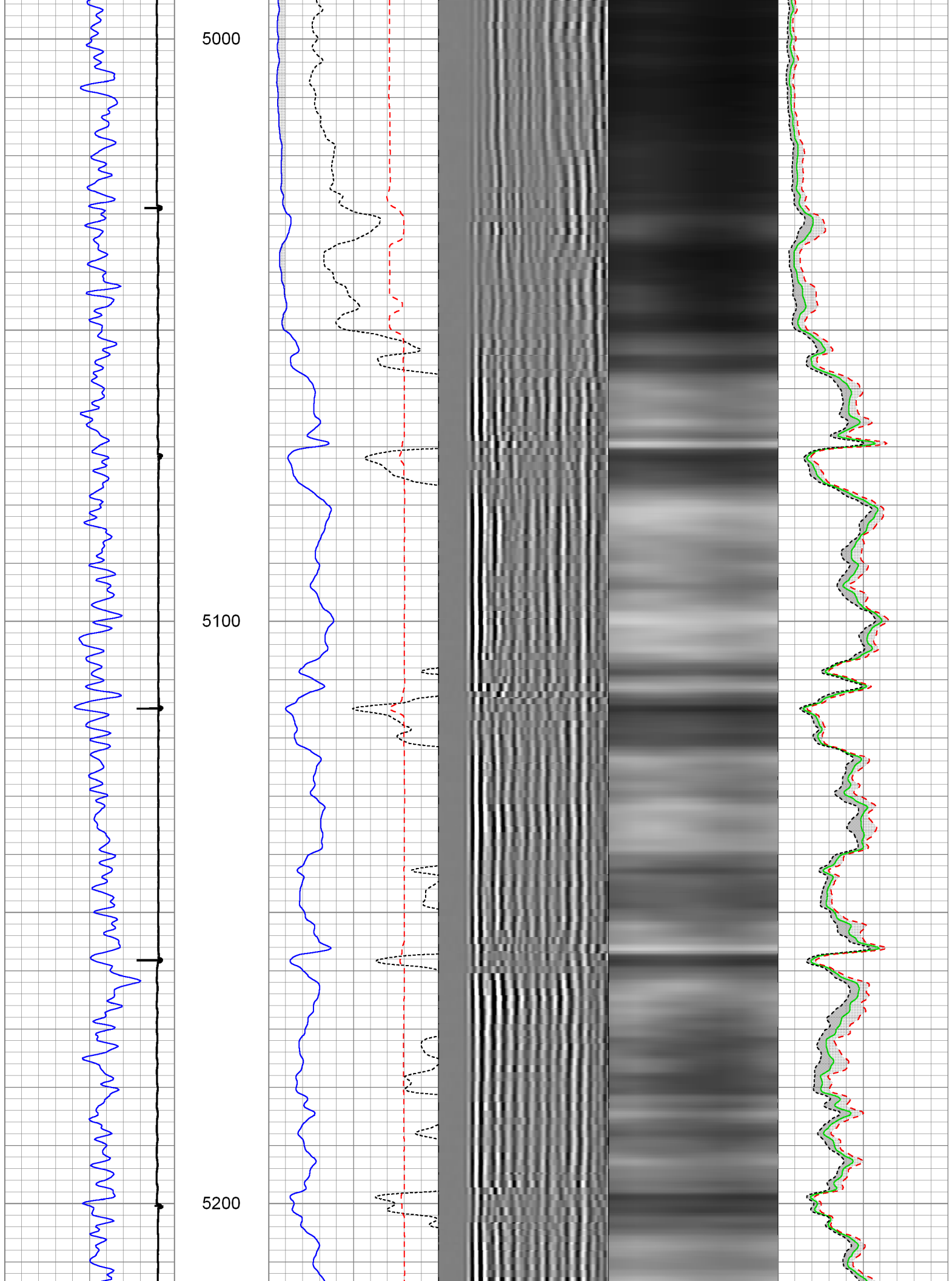


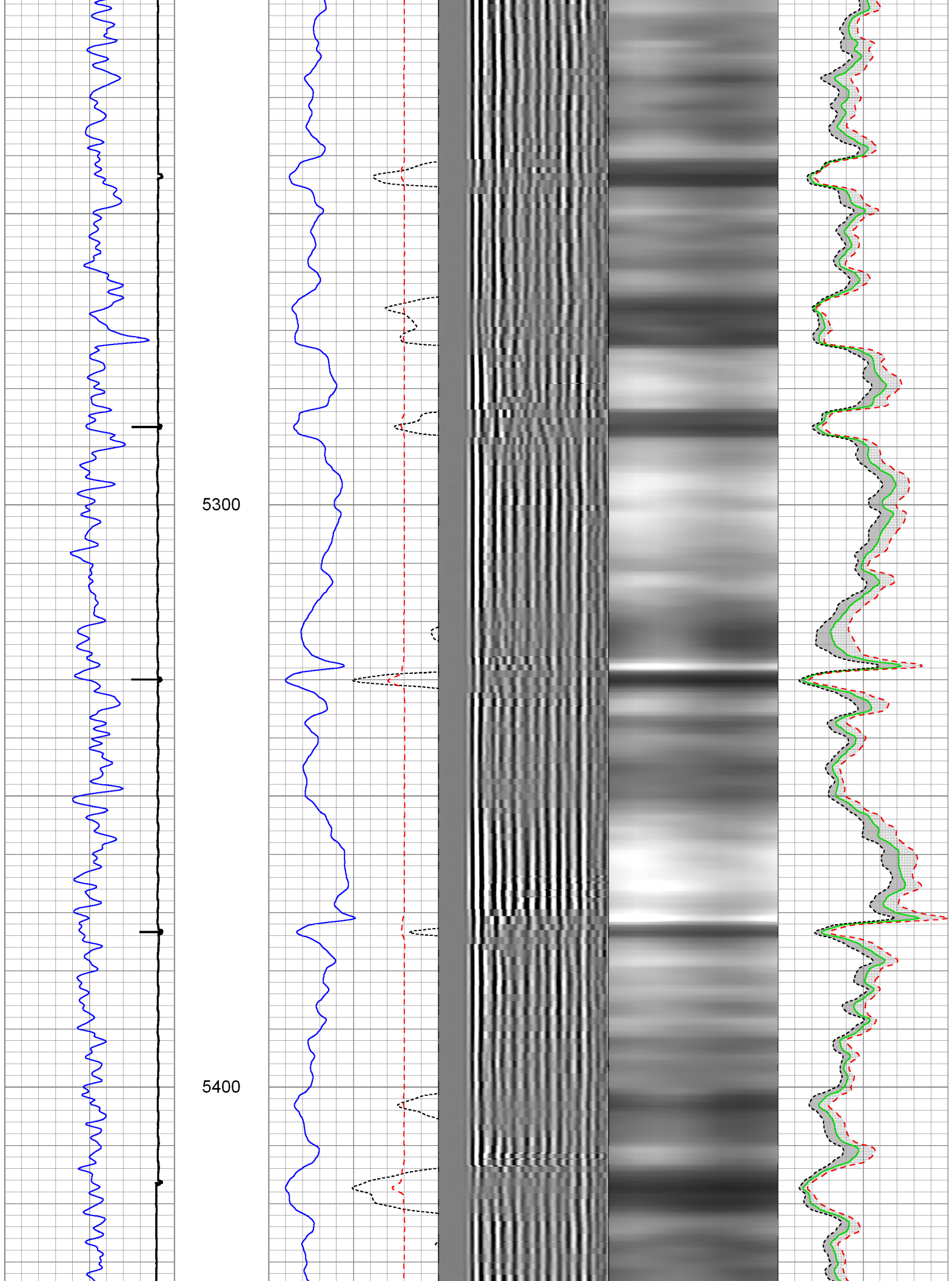
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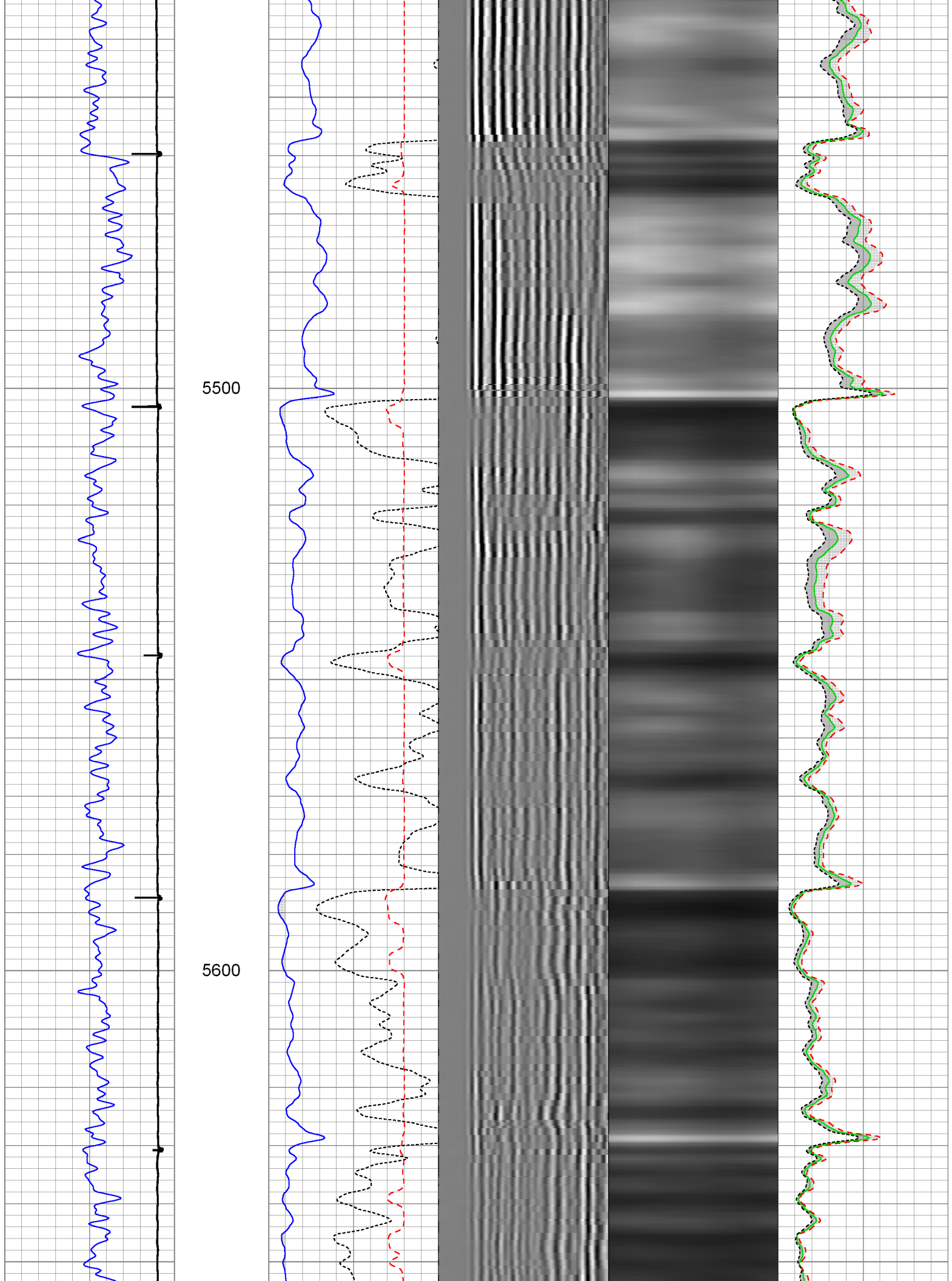
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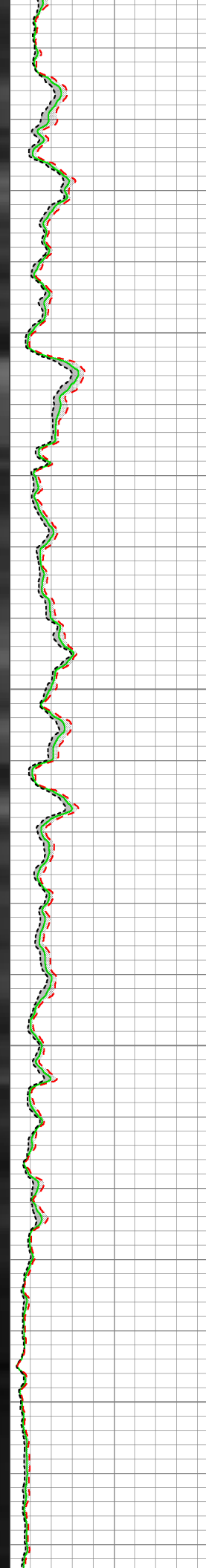
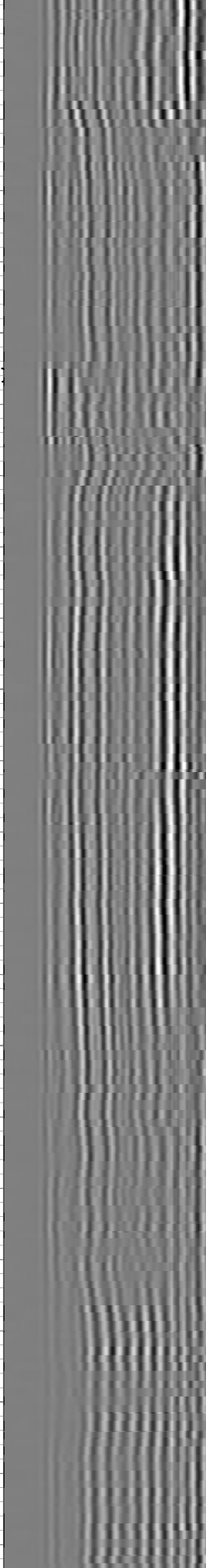
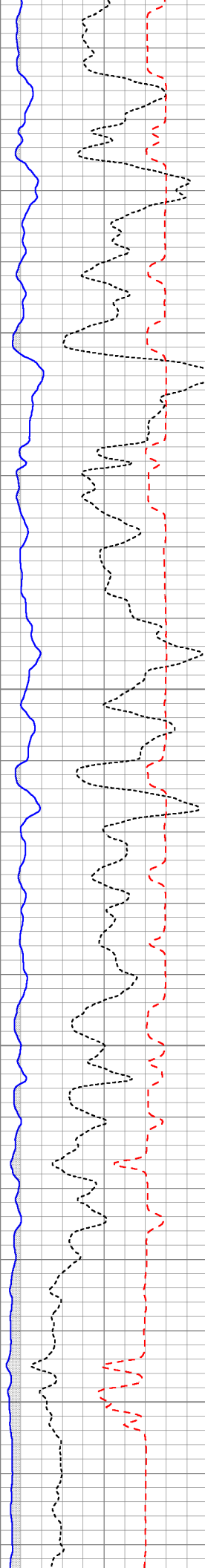
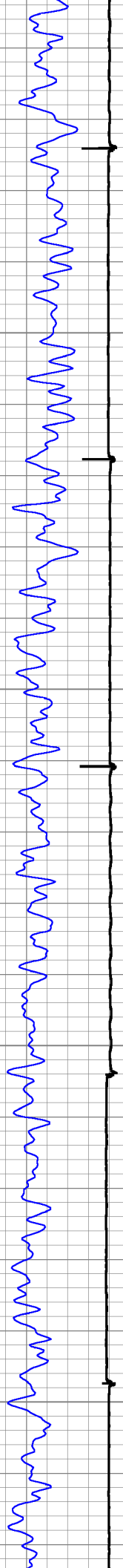


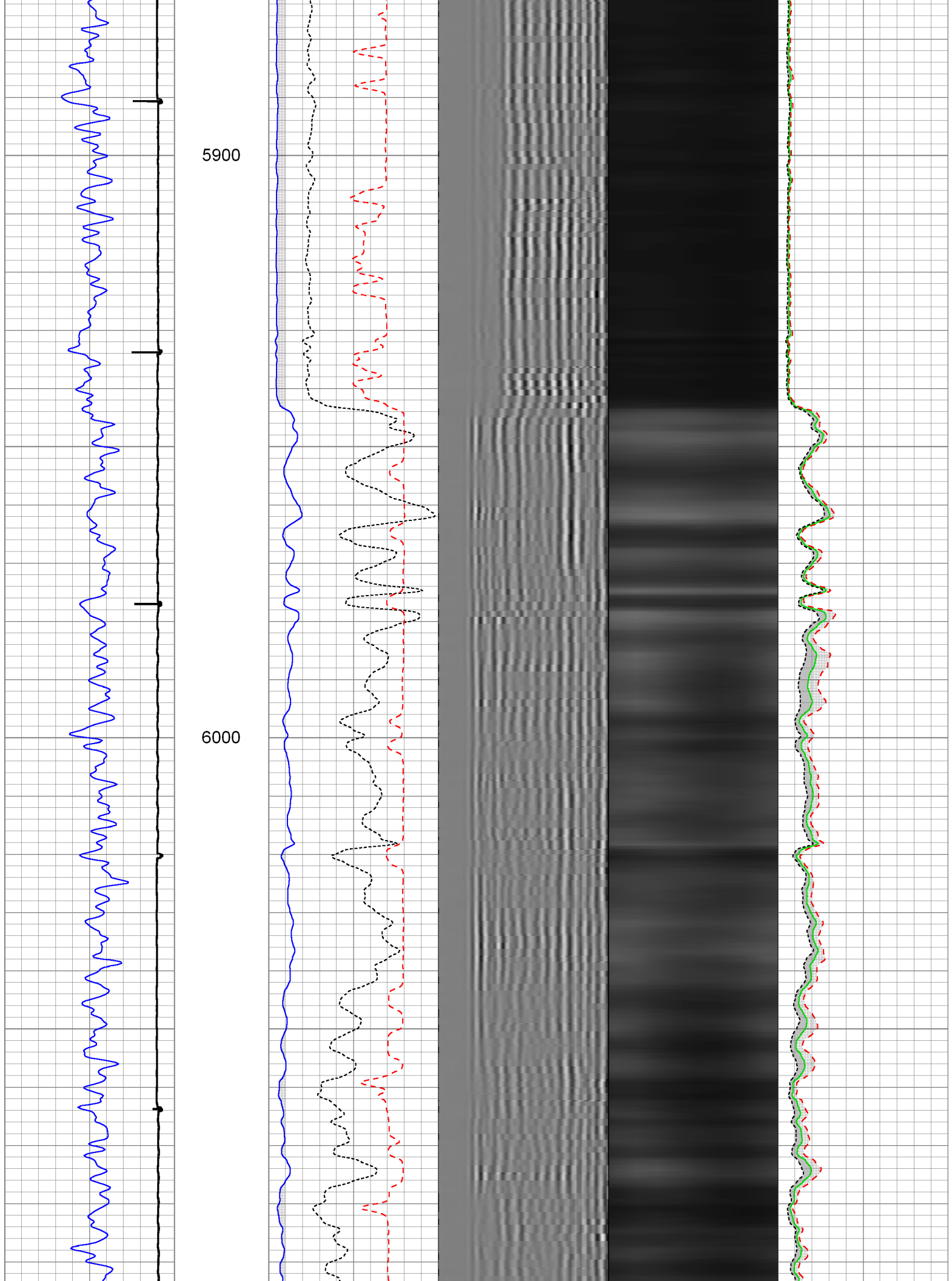




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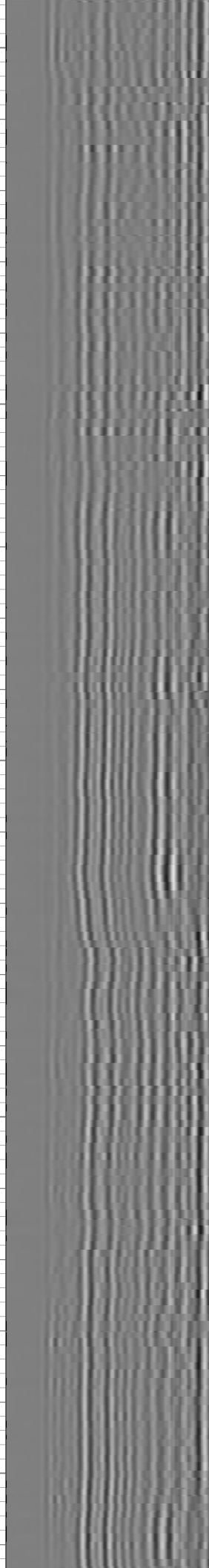
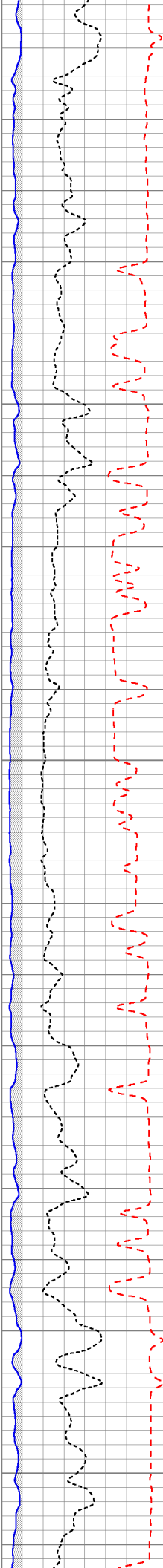


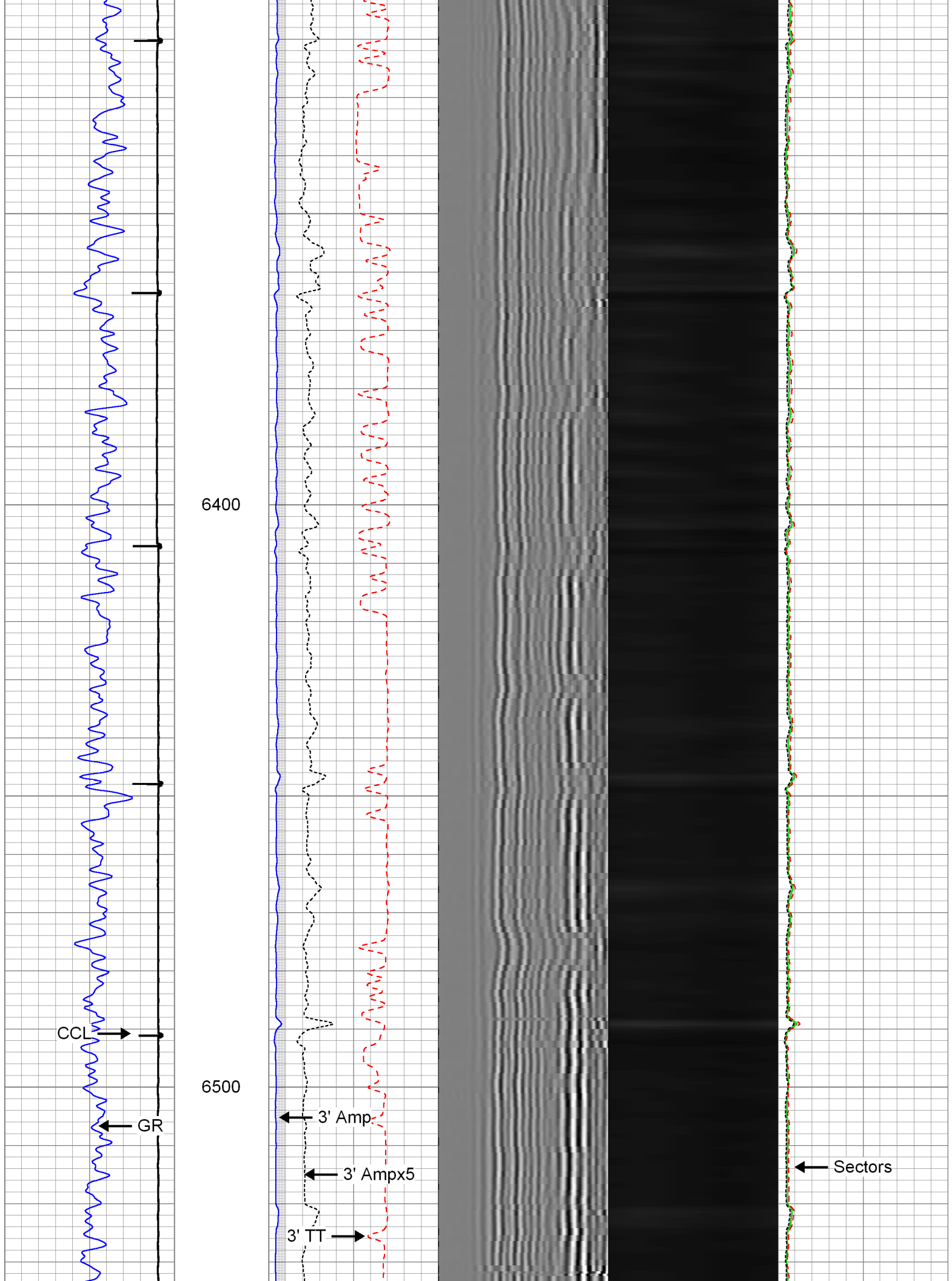


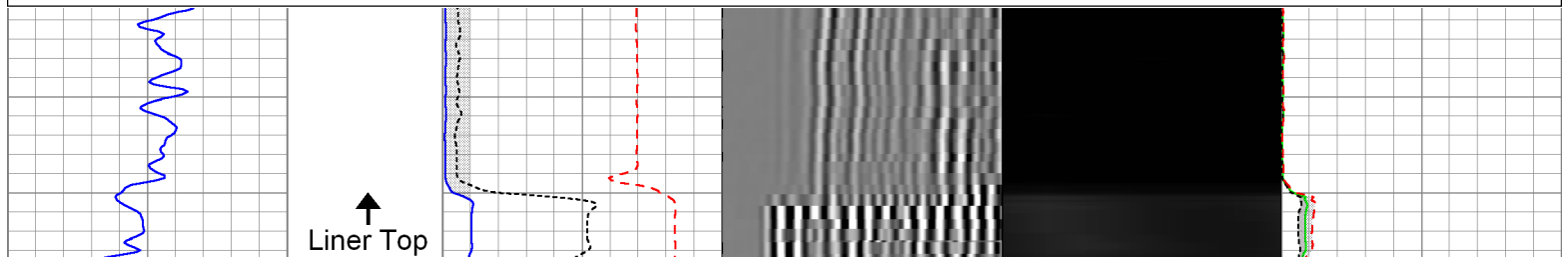
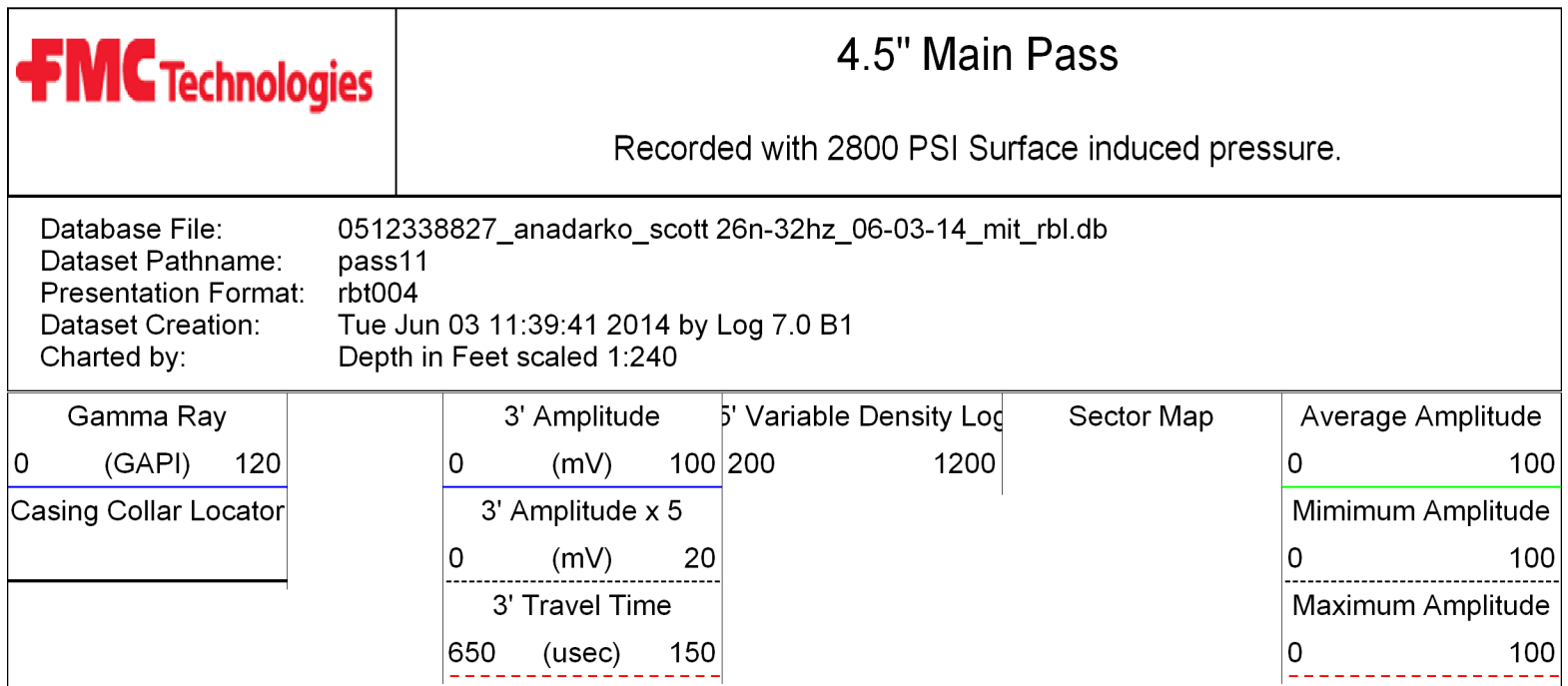
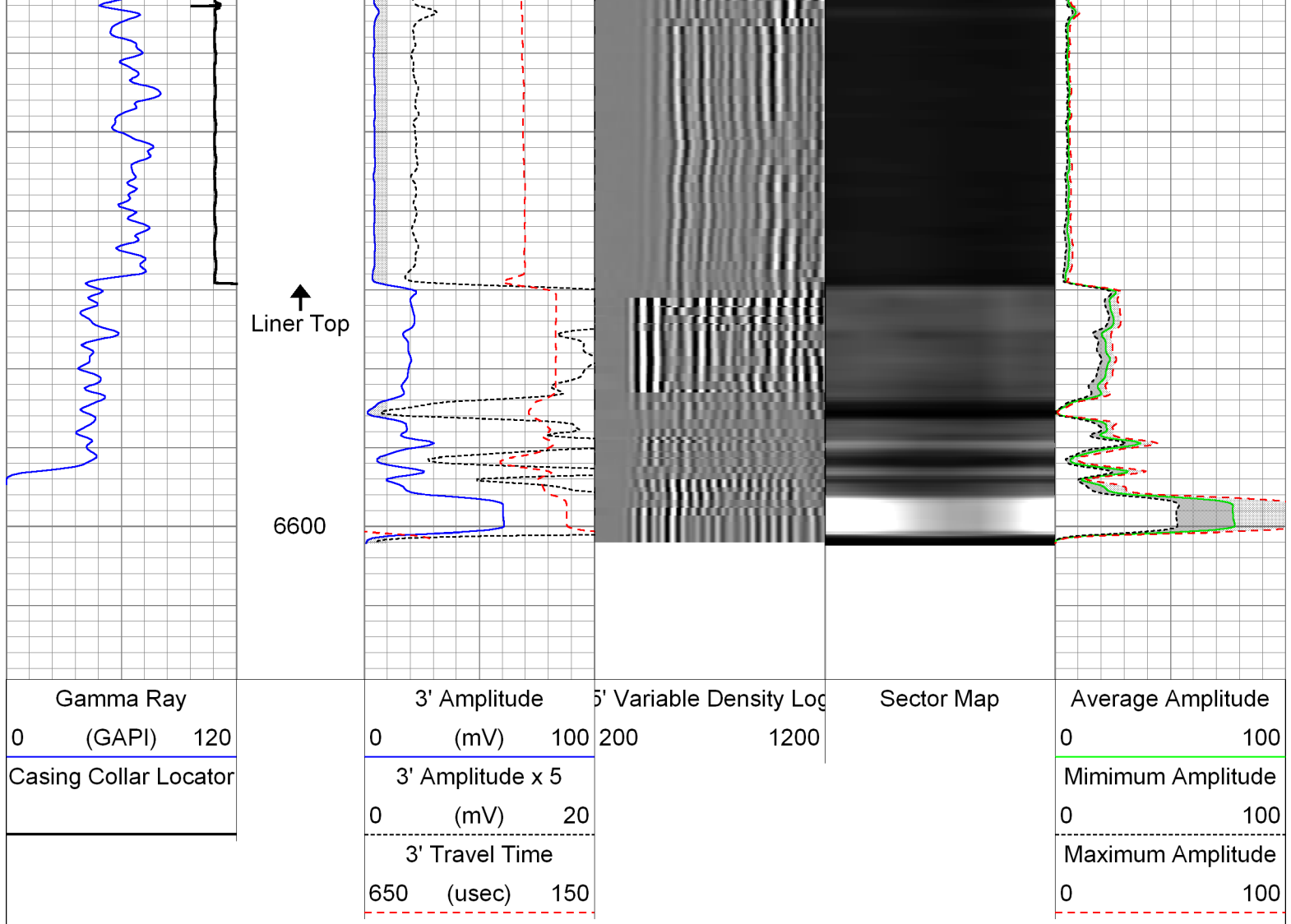
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6200

6300

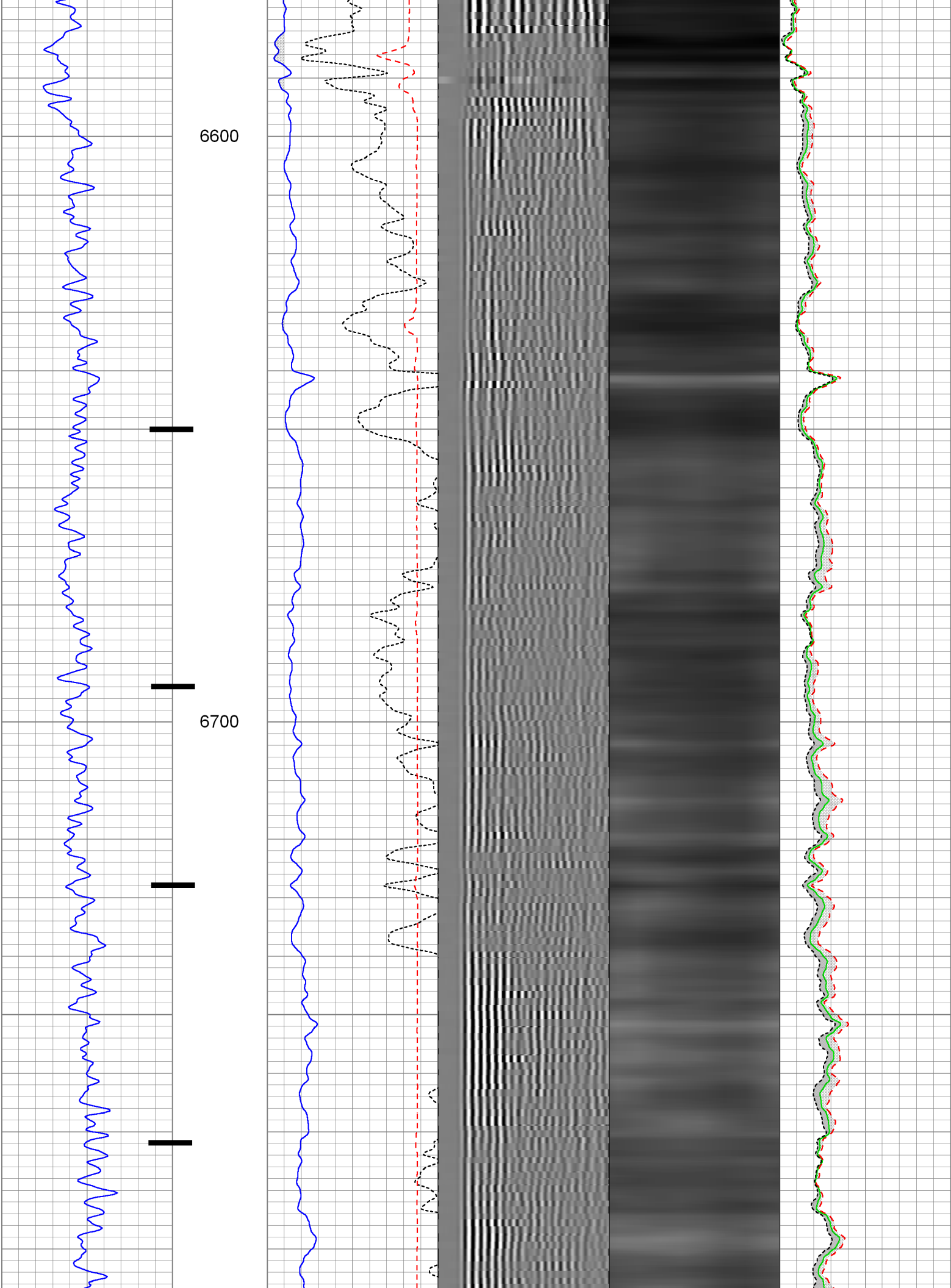






6600

6700



6800

6900

7000

CCL



GR



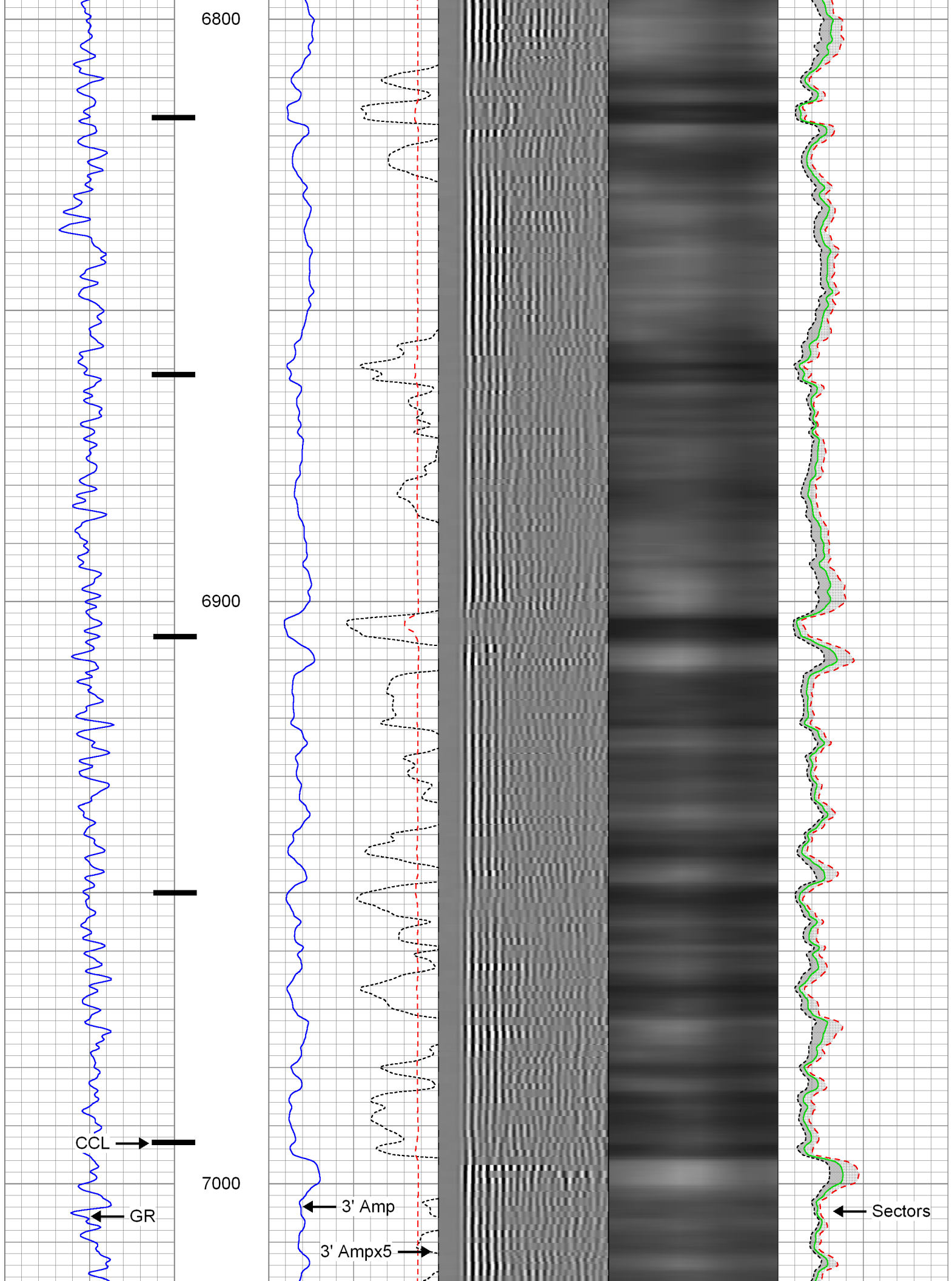
3' Amp

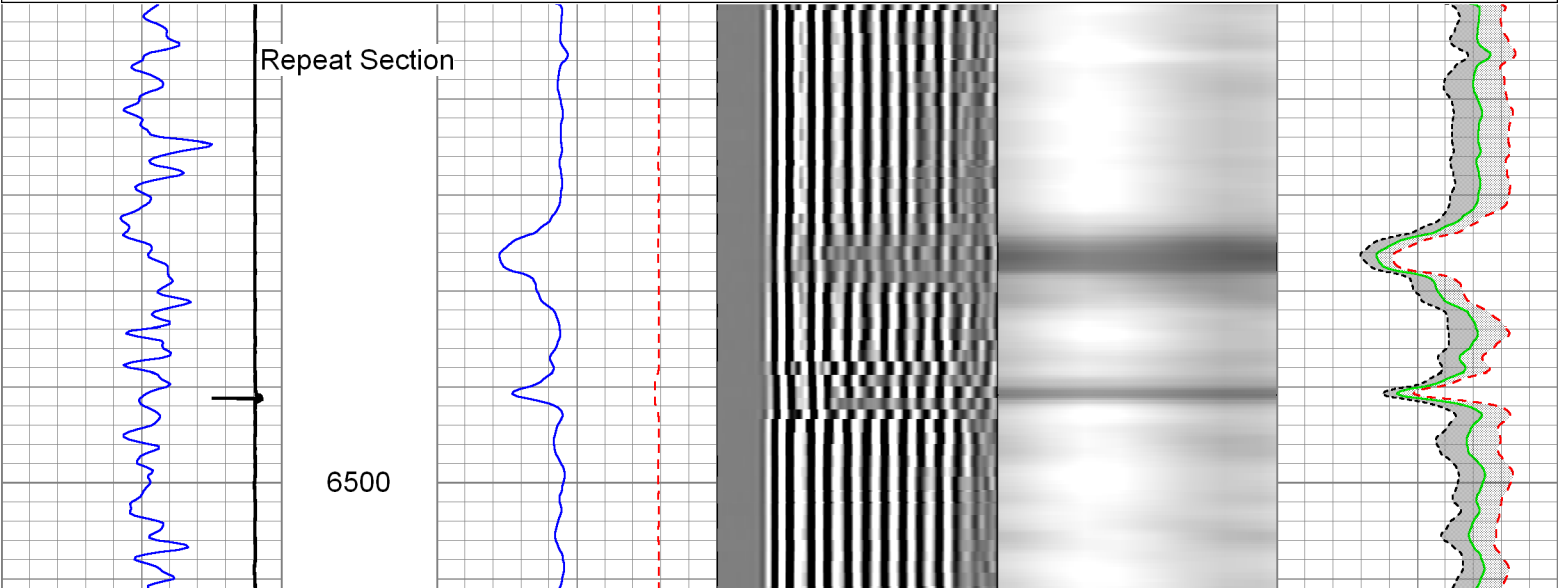
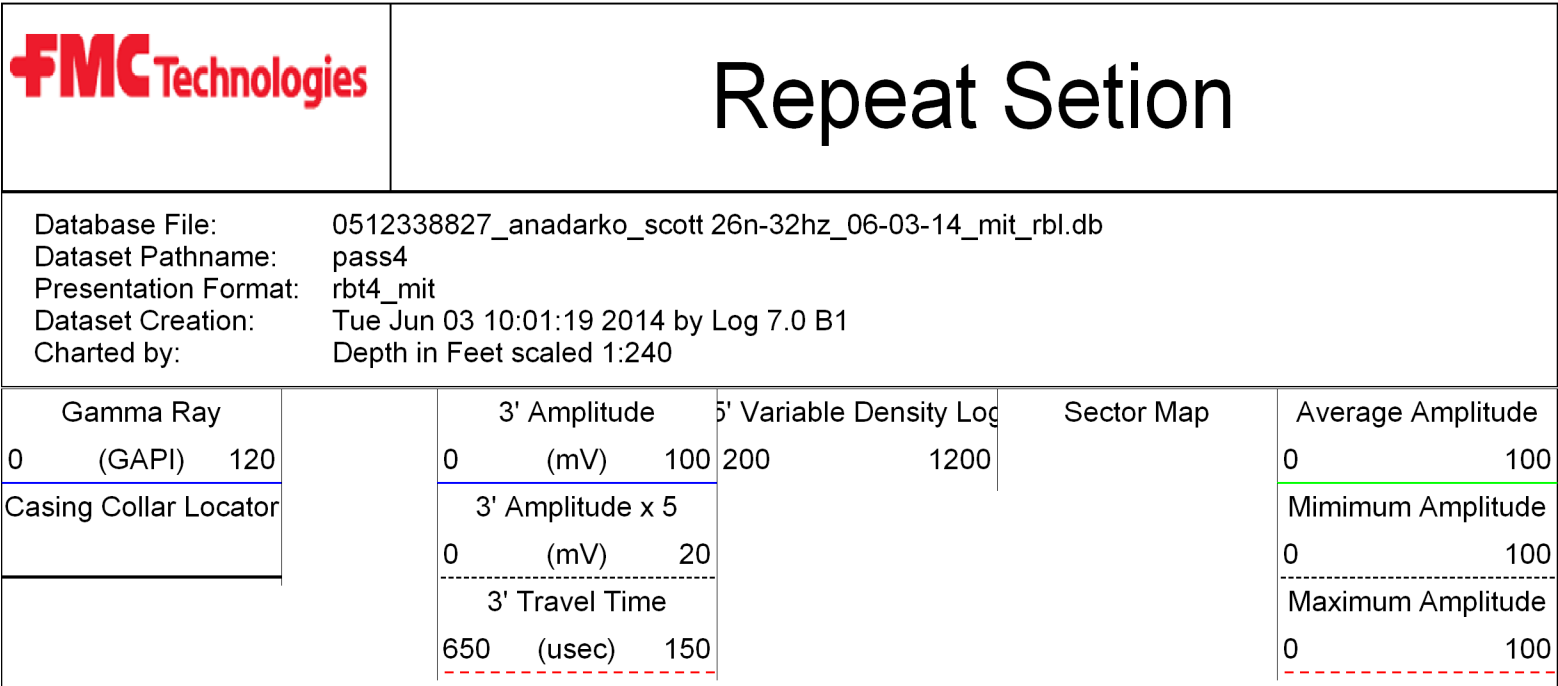
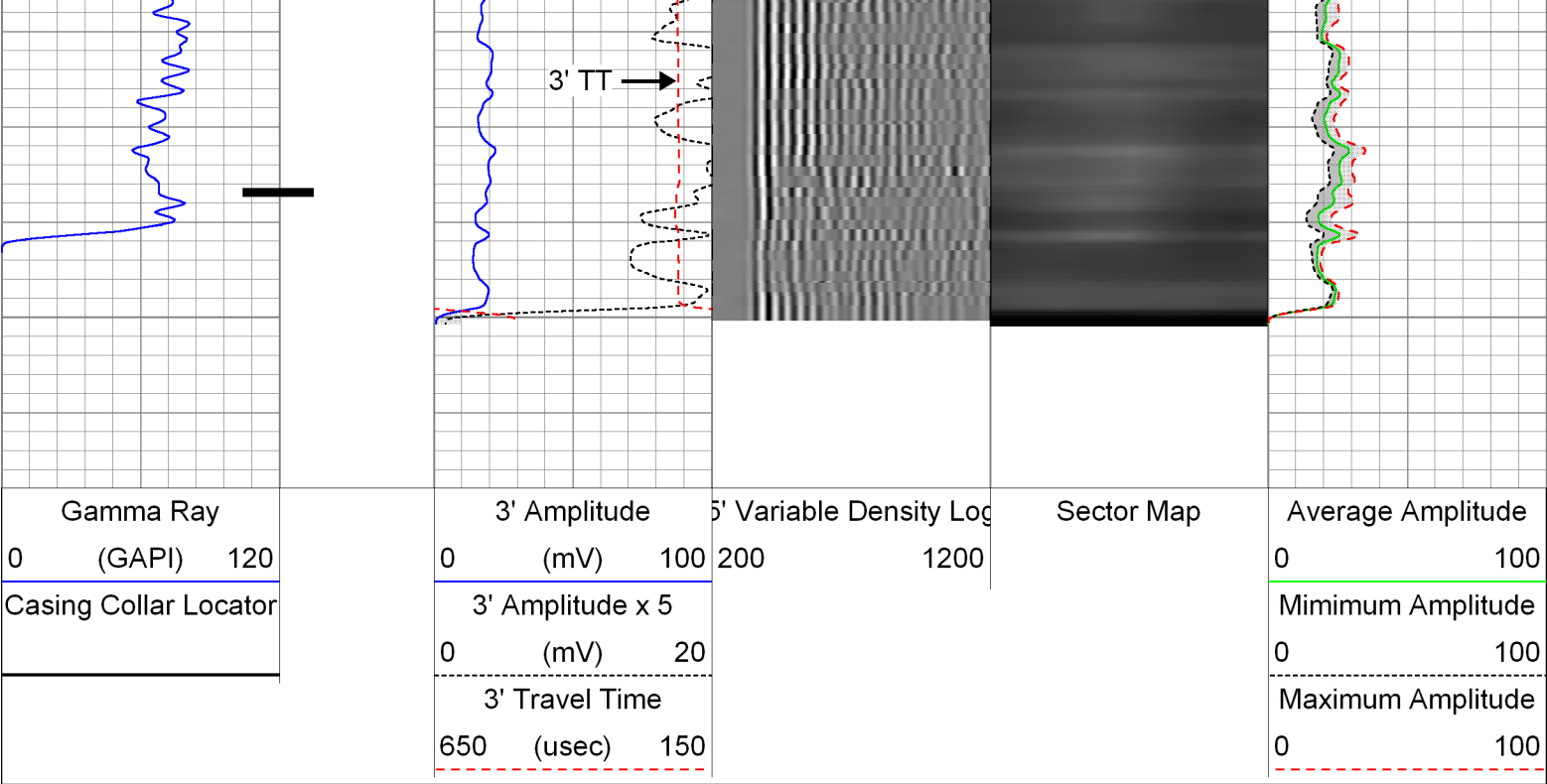


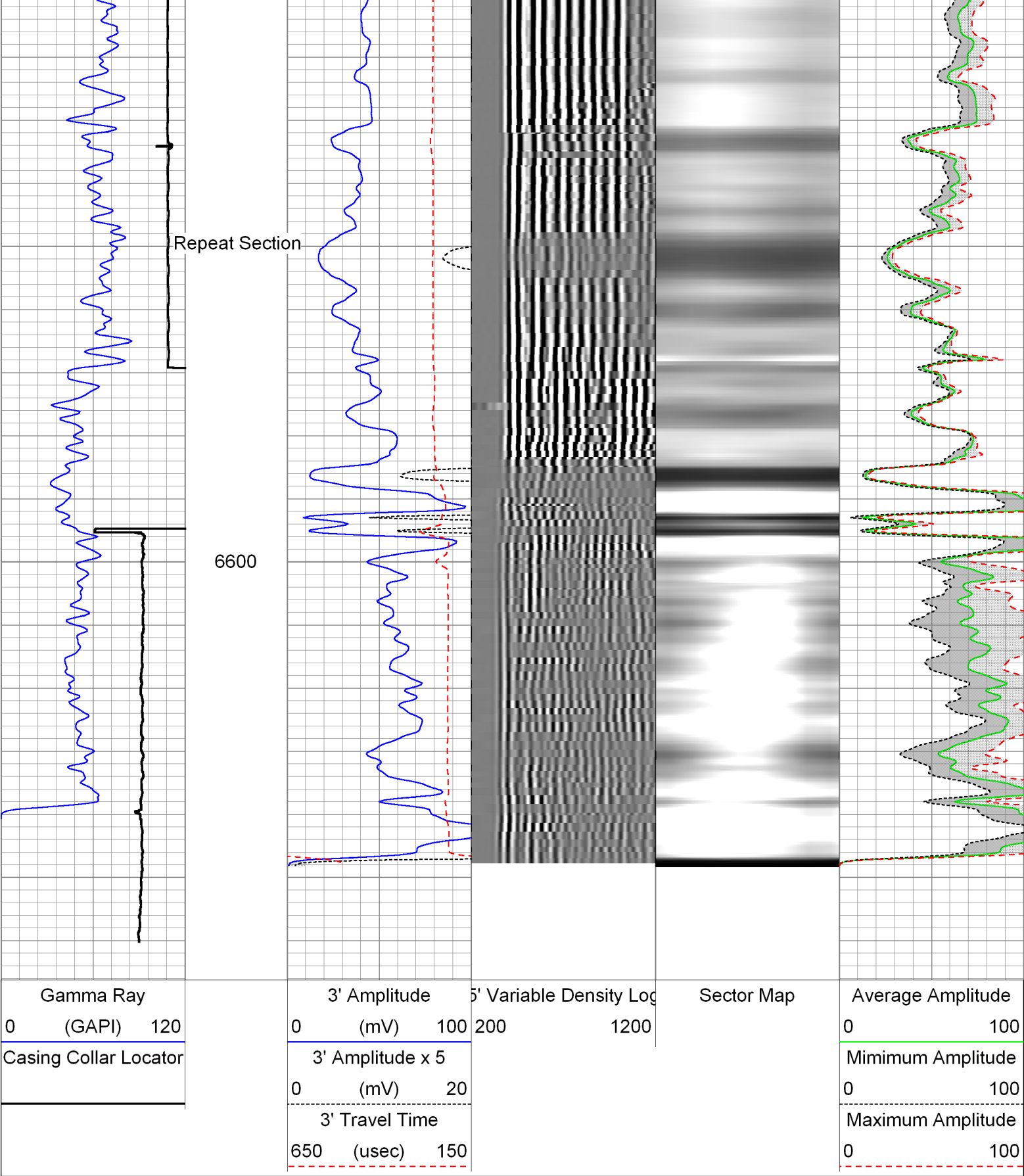
3' Ampx5




Sectors







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			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_P SJ-PSJ_008 (10018474) Sondex 1 11/16" Ultrawire Swivel Joint	0.91	1.69	9.00

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

Vertical:	Inc X	Inc Y
	1968	1974
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: Tue Jun 03 09:07:37 2014

Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	1067	359.0	1426	383.0	1809	399.0	2208
Finger 02:	1196	369.0	1565	384.0	1949	391.0	2340
Finger 03:	1087	371.0	1458	403.0	1861	417.0	2278
Finger 04:	1102	361.0	1463	387.0	1850	410.0	2260
Finger 05:	1114	365.0	1479	396.0	1875	411.0	2286
Finger 06:	1104	364.0	1468	396.0	1864	411.0	2275
Finger 07:	1102	362.0	1464	399.0	1863	413.0	2276
Finger 08:	1125	355.0	1480	391.0	1871	413.0	2284
Finger 09:	1113	358.0	1471	390.0	1861	410.0	2271
Finger 10:	1108	357.0	1465	389.0	1854	413.0	2267
Finger 11:	1120	358.0	1478	389.0	1867	407.0	2274
Finger 12:	1114	353.0	1467	390.0	1857	411.0	2268
Finger 13:	1122	350.0	1472	386.0	1858	405.0	2263
Finger 14:	1096	356.0	1452	394.0	1846	417.0	2263
Finger 15:	1059	359.0	1418	405.0	1823	433.0	2256
Finger 16:	1072	357.0	1429	403.0	1832	430.0	2262
Finger 17:	1036	358.0	1394	403.0	1797	437.0	2234
Finger 18:	1119	353.0	1472	386.0	1858	416.0	2274
Finger 19:	1077	350.0	1427	392.0	1819	421.0	2240
Finger 20:	1042	358.0	1400	402.0	1802	436.0	2238
Finger 21:	1061	375.0	1436	399.0	1835	422.0	2257
Finger 22:	1024	362.0	1386	403.0	1789	434.0	2223
Finger 23:	996	363.0	1359	412.0	1771	445.0	2216
Finger 24:	1049	360.0	1409	391.0	1800	410.0	2210
Finger 25:	1007	365.0	1372	410.0	1782	441.0	2223
Finger 26:	1132	358.0	1490	382.0	1872	401.0	2273
Finger 27:	1072	369.0	1441	402.0	1843	419.0	2262
Finger 28:	1102	362.0	1464	385.0	1849	407.0	2256
Finger 29:	1054	372.0	1426	410.0	1836	428.0	2264
Finger 30:	1070	369.0	1439	397.0	1836	417.0	2253
Finger 31:	1097	367.0	1464	392.0	1856	410.0	2266
Finger 32:	1082	379.0	1461	405.0	1866	420.0	2286
Finger 33:	1143	367.0	1510	379.0	1889	385.0	2274
Finger 34:	1119	364.0	1483	387.0	1870	402.0	2272
Finger 35:	1055	381.0	1436	415.0	1851	430.0	2281
Finger 36:	1078	375.0	1453	400.0	1853	417.0	2270
Finger 37:	1120	371.0	1491	392.0	1883	402.0	2285
Finger 38:	1143	368.0	1511	387.0	1898	388.0	2286
Finger 39:	1144	362.0	1506	383.0	1889	391.0	2280
Finger 40:	1106	370.0	1476	397.0	1873	406.0	2279

Post Survey Calibration Check

Performed: Tue Jun 03 09:14:22 2014

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.002	0.001	5.005	0.003	6.005	0.002	7.001	0.001
Finger 02:	4.003	0.002	4.997	-0.002	6.001	0.000	7.003	0.001
Finger 03:	4.004	0.002	5.004	0.002	6.002	0.001	7.003	0.001
Finger 04:	4.009	0.004	5.000	0.000	6.000	0.000	7.000	0.000
Finger 05:	3.995	-0.003	4.997	-0.002	6.001	0.001	7.000	0.000
Finger 06:	4.013	0.006	5.008	0.004	6.002	0.001	6.998	-0.001
Finger 07:	3.997	-0.001	5.006	0.003	6.003	0.001	7.002	0.001
Finger 08:	3.995	-0.002	5.002	0.001	5.998	-0.001	6.999	-0.001
Finger 09:	3.999	-0.000	5.003	0.002	6.002	0.001	7.001	0.000
Finger 10:	4.002	0.001	4.999	-0.001	5.995	-0.002	6.991	-0.004
Finger 11:	4.005	0.003	4.997	-0.001	5.994	-0.003	6.996	-0.002
Finger 12:	4.003	0.001	4.998	-0.001	5.998	-0.001	7.002	0.001
Finger 13:	4.000	0.000	5.004	0.002	6.000	-0.000	7.000	0.000
Finger 14:	3.995	-0.003	4.995	-0.002	5.992	-0.004	6.999	-0.001
Finger 15:	4.000	0.000	4.999	-0.000	5.998	-0.001	6.993	-0.003
Finger 16:	3.995	-0.002	5.001	0.000	5.996	-0.002	6.999	-0.001
Finger 17:	3.998	-0.001	5.000	-0.000	5.998	-0.001	7.002	0.001
Finger 18:	4.005	0.002	5.000	-0.000	6.014	0.007	7.012	0.006
Finger 19:	3.995	-0.003	4.997	-0.002	5.995	-0.002	6.998	-0.001
Finger 20:	4.007	0.004	4.999	-0.000	6.005	0.003	7.008	0.004
Finger 21:	4.002	0.001	5.012	0.006	6.007	0.003	7.019	0.009
Finger 22:	3.997	-0.002	4.998	-0.001	5.996	-0.002	7.000	-0.000
Finger 23:	3.997	-0.002	4.998	-0.001	5.998	-0.001	6.999	-0.001
Finger 24:	3.997	-0.002	4.995	-0.003	5.995	-0.003	6.995	-0.002
Finger 25:	3.995	-0.003	5.003	0.002	5.997	-0.002	6.990	-0.005
Finger 26:	4.004	0.002	5.003	0.001	6.001	0.000	6.999	-0.001
Finger 27:	4.010	0.005	5.001	0.001	5.995	-0.002	6.999	-0.001
Finger 28:	3.999	-0.001	5.008	0.004	6.002	0.001	6.999	-0.001
Finger 29:	4.006	0.003	5.004	0.002	5.999	-0.001	6.995	-0.002
Finger 30:	4.000	0.000	4.996	-0.002	6.000	-0.000	6.997	-0.001
Finger 31:	4.005	0.003	5.003	0.001	6.003	0.002	7.001	0.001
Finger 32:	4.008	0.004	4.997	-0.001	5.997	-0.001	6.994	-0.003
Finger 33:	3.992	-0.004	4.998	-0.001	5.997	-0.001	7.002	0.001
Finger 34:	4.000	-0.000	5.002	0.001	6.003	0.002	7.009	0.004
Finger 35:	3.997	-0.001	4.999	-0.001	5.997	-0.001	7.000	0.000
Finger 36:	4.002	0.001	5.004	0.002	6.004	0.002	7.002	0.001
Finger 37:	3.997	-0.002	5.000	-0.000	5.998	-0.001	7.006	0.003
Finger 38:	3.996	-0.002	4.995	-0.002	5.992	-0.004	6.996	-0.002
Finger 39:	3.995	-0.003	4.995	-0.002	5.994	-0.003	7.003	0.002
Finger 40:	3.994	-0.003	5.001	0.000	5.996	-0.002	7.000	0.000
Average:	4.000	0.000	5.001	0.000	5.999	-0.000	7.000	0.000

Segmented Cement Bond Log Calibration Report

Serial Number: 1066
 Tool Model: UW_RBT_004

 Calibration Casing Diameter: 7.000 in
 Calibration Depth: 2430.457 ft


Master Calibration, performed Tue Jun 03 09:33:13 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.001	0.843	0.800	62.165	72.710	0.859
5FT	-0.006	0.786	0.800	62.165	77.482	1.273
S1	0.000	0.918	0.000	100.000	108.890	-0.004
S2	-0.001	0.950	0.000	100.000	105.123	0.123
S3	-0.001	0.922	0.000	100.000	104.221	0.122

S3	-0.001	0.899	0.000	100.000	111.084	0.136
S4	-0.002	0.821	0.000	100.000	121.540	0.273
S5	-0.001	0.757	0.000	100.000	131.942	0.150
S6	-0.001	0.759	0.000	100.000	131.472	0.177
S7	-0.001	0.811	0.000	100.000	123.144	0.140
S8	-0.001	0.863	0.000	100.000	115.700	0.137

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	Scott 26N-32HZ
	Field	Wattenberg
	County	Weld
	State	Colorado