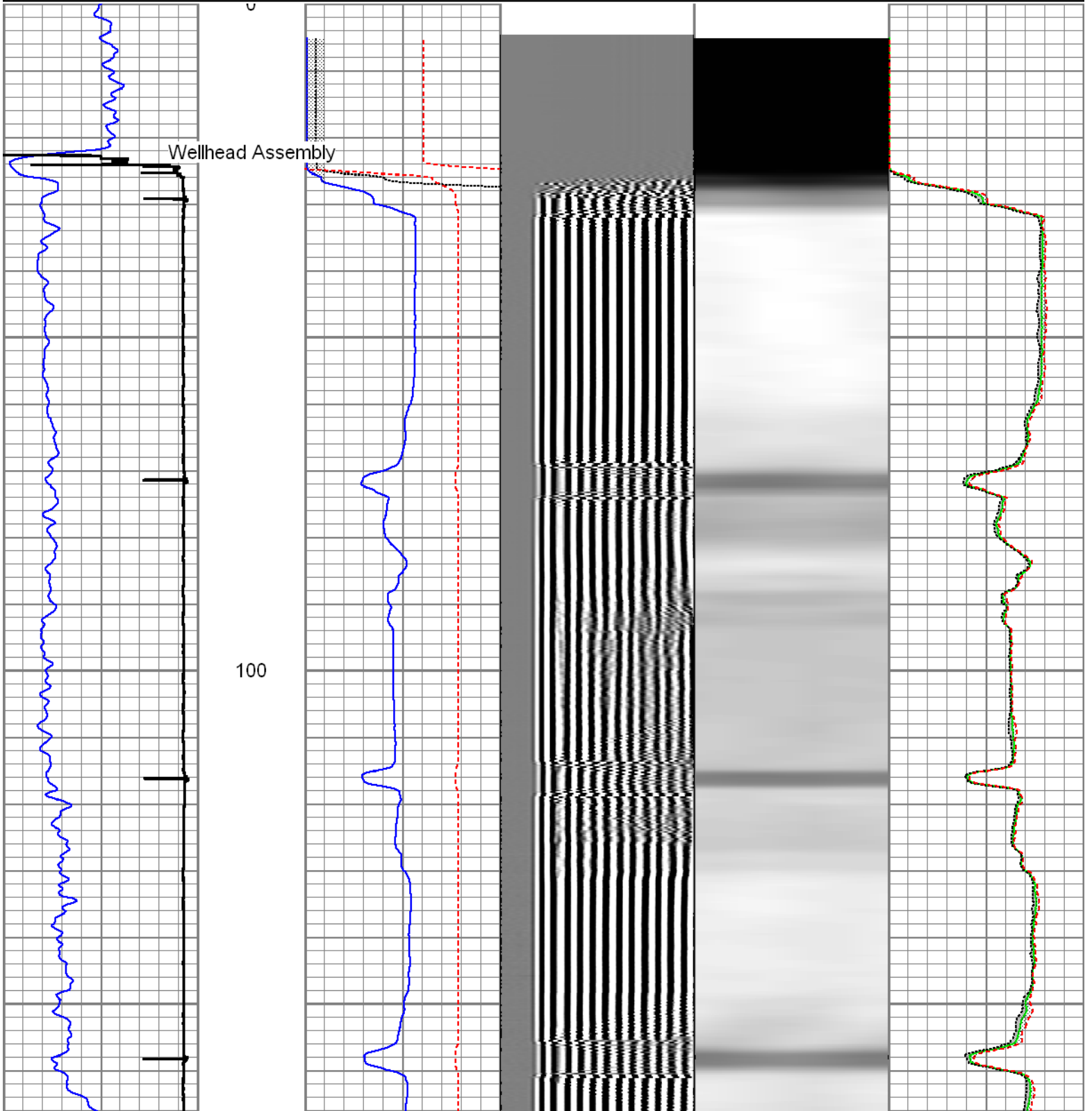
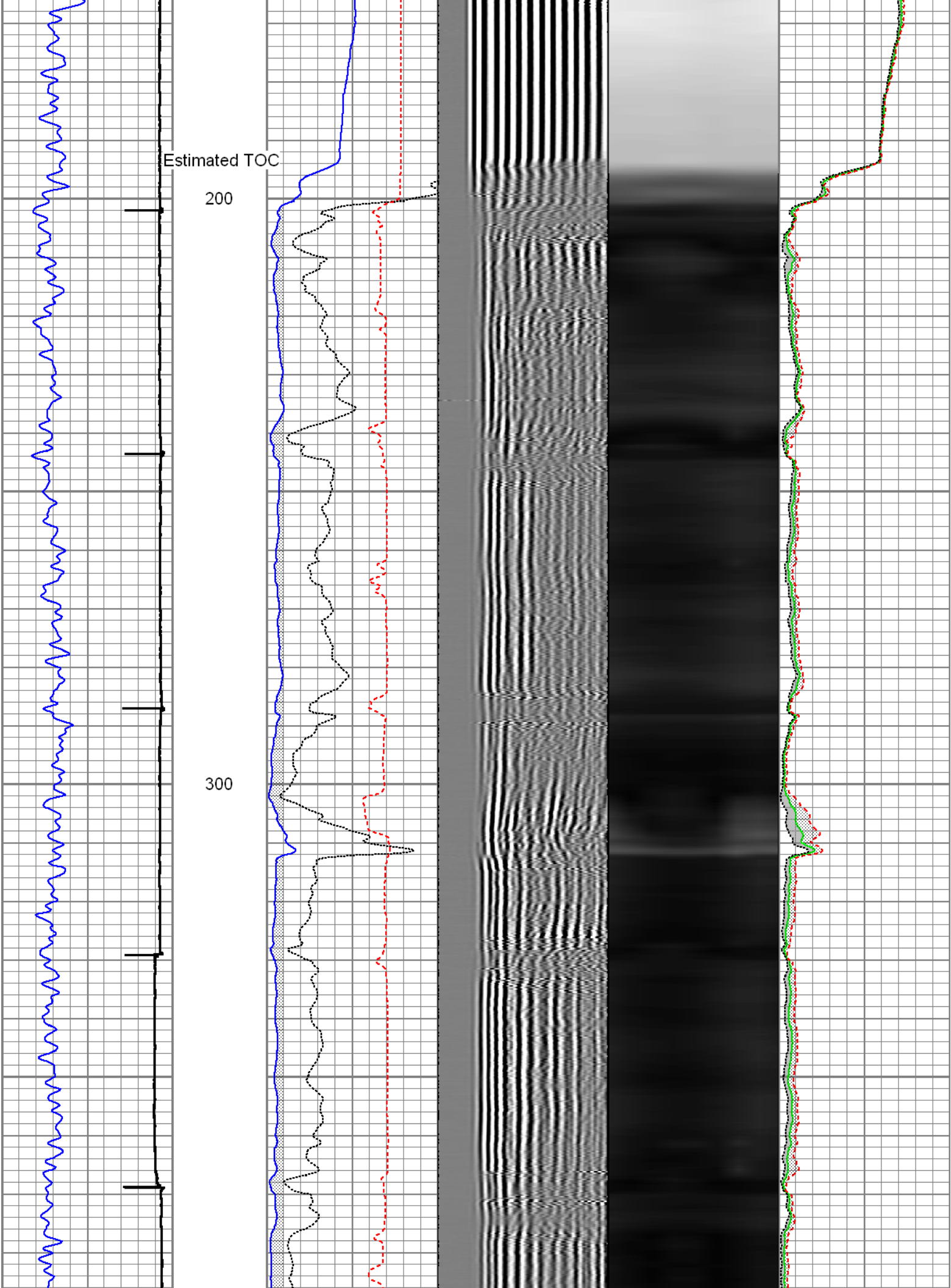


Database File: 07-11-14_whiting_razor 26l-3502b_mit_rbl.db
 Dataset Pathname: rcbl.mit/Main
 Presentation Format: rbt4_mit
 Dataset Creation: Fri Jul 11 12:26:42 2014 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

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

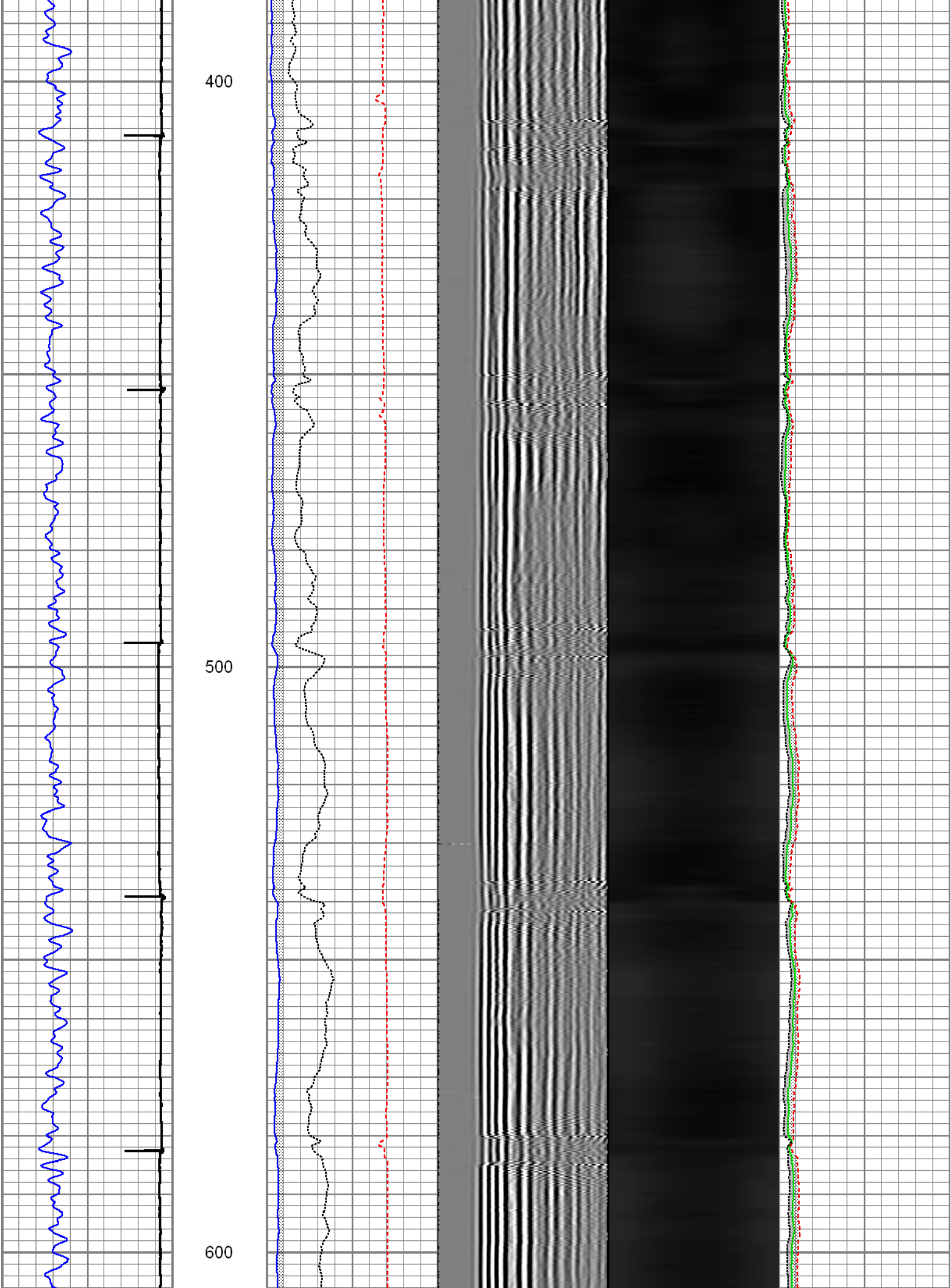




400

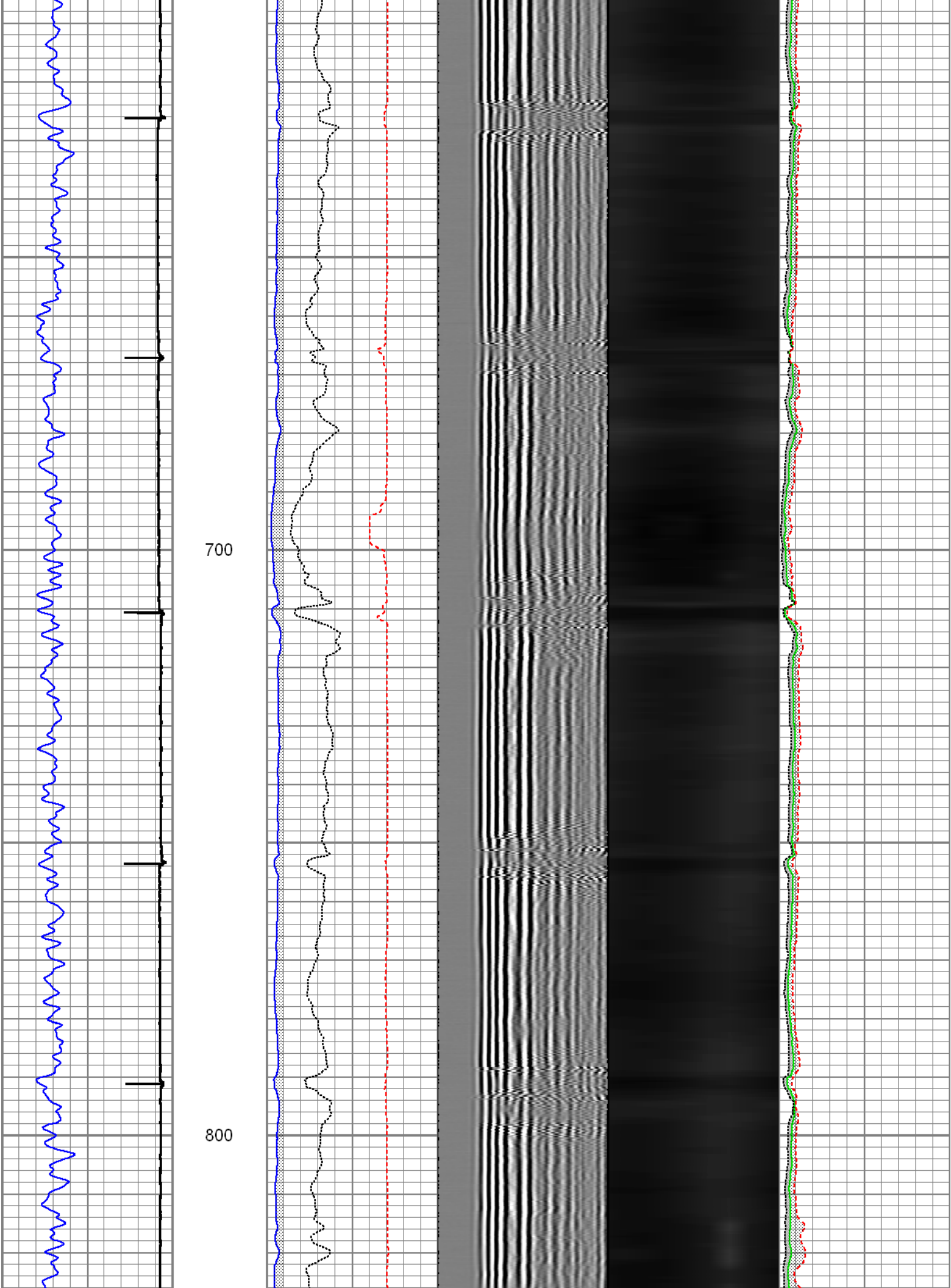
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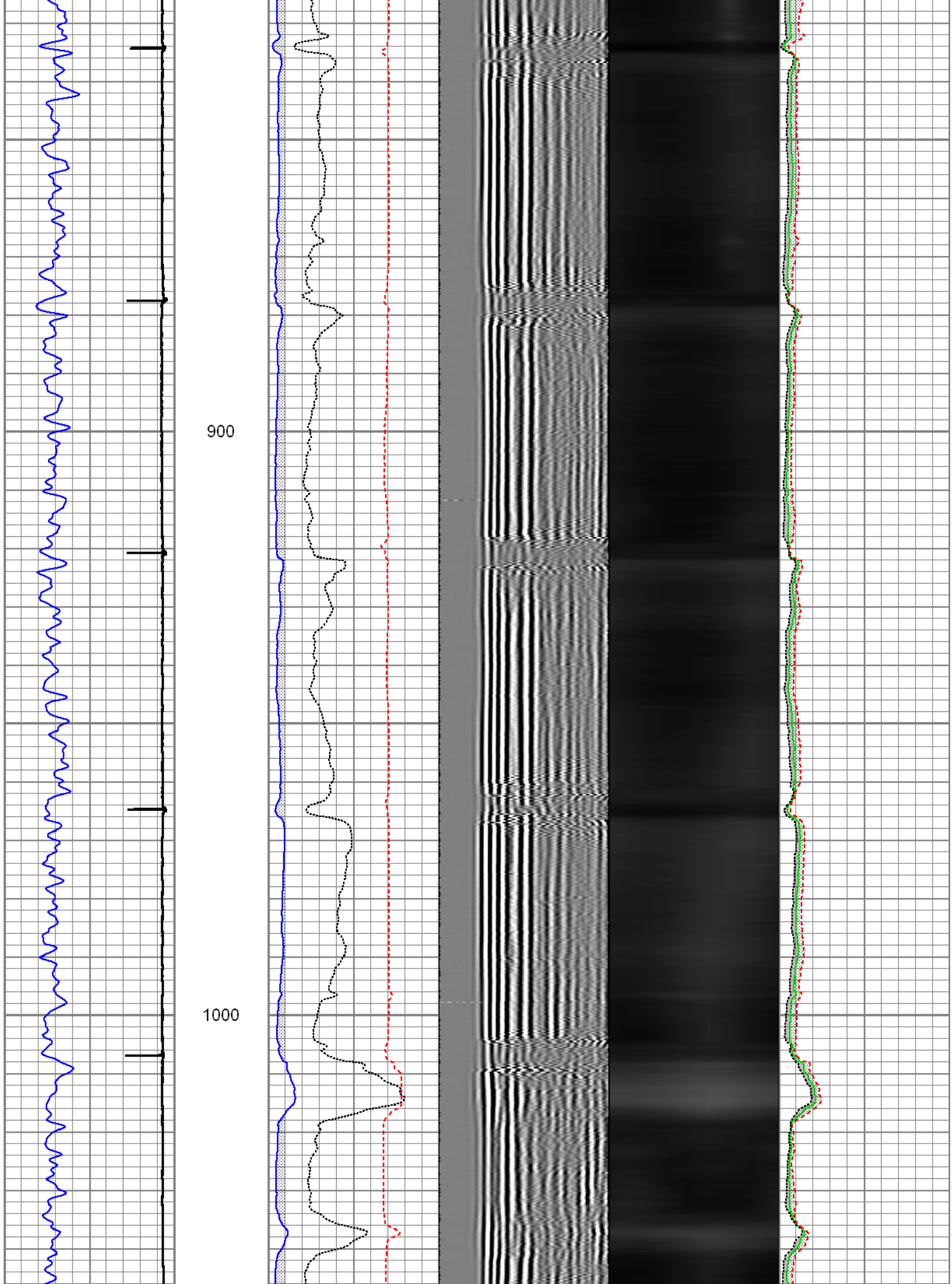
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700

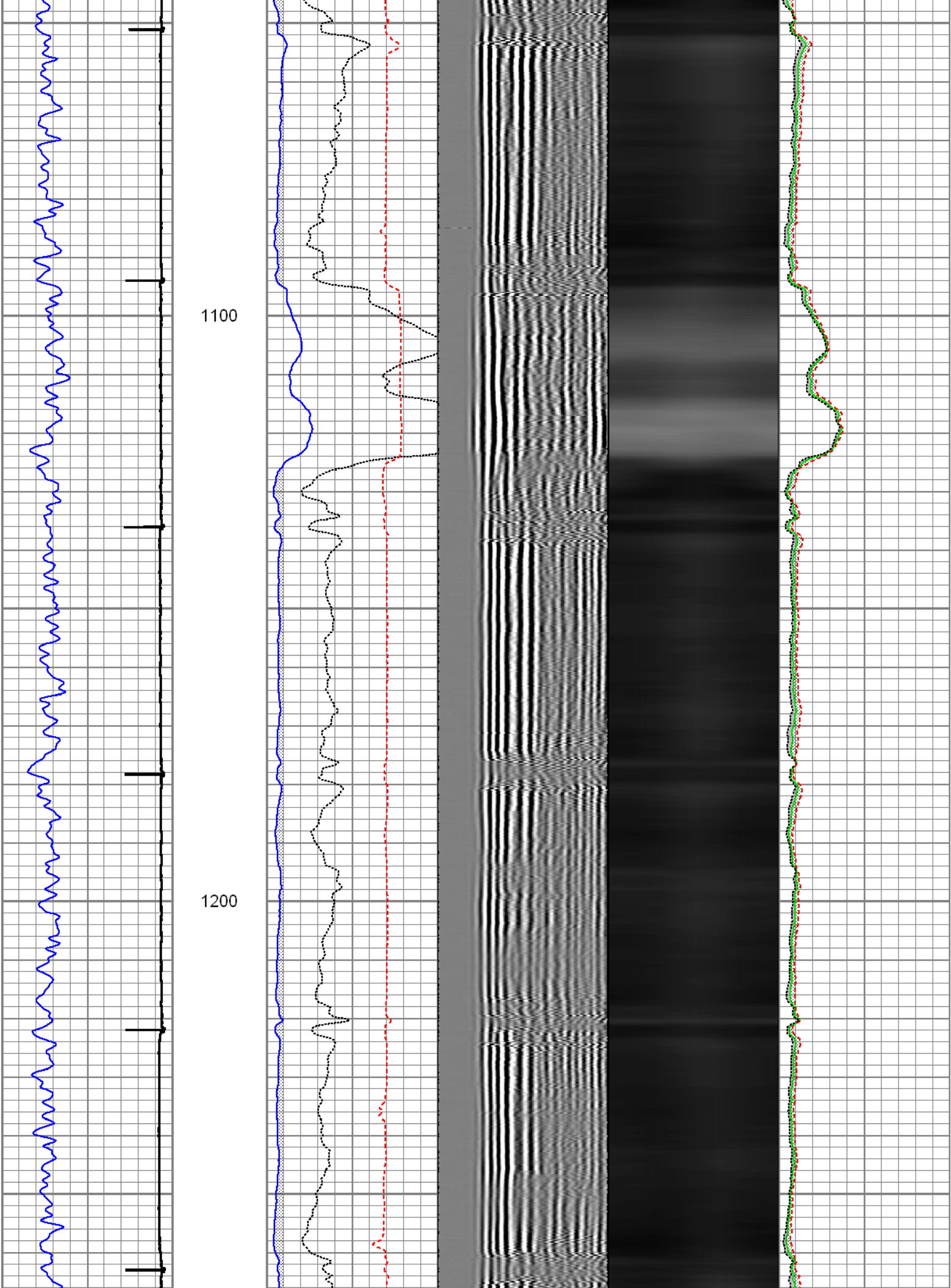
800





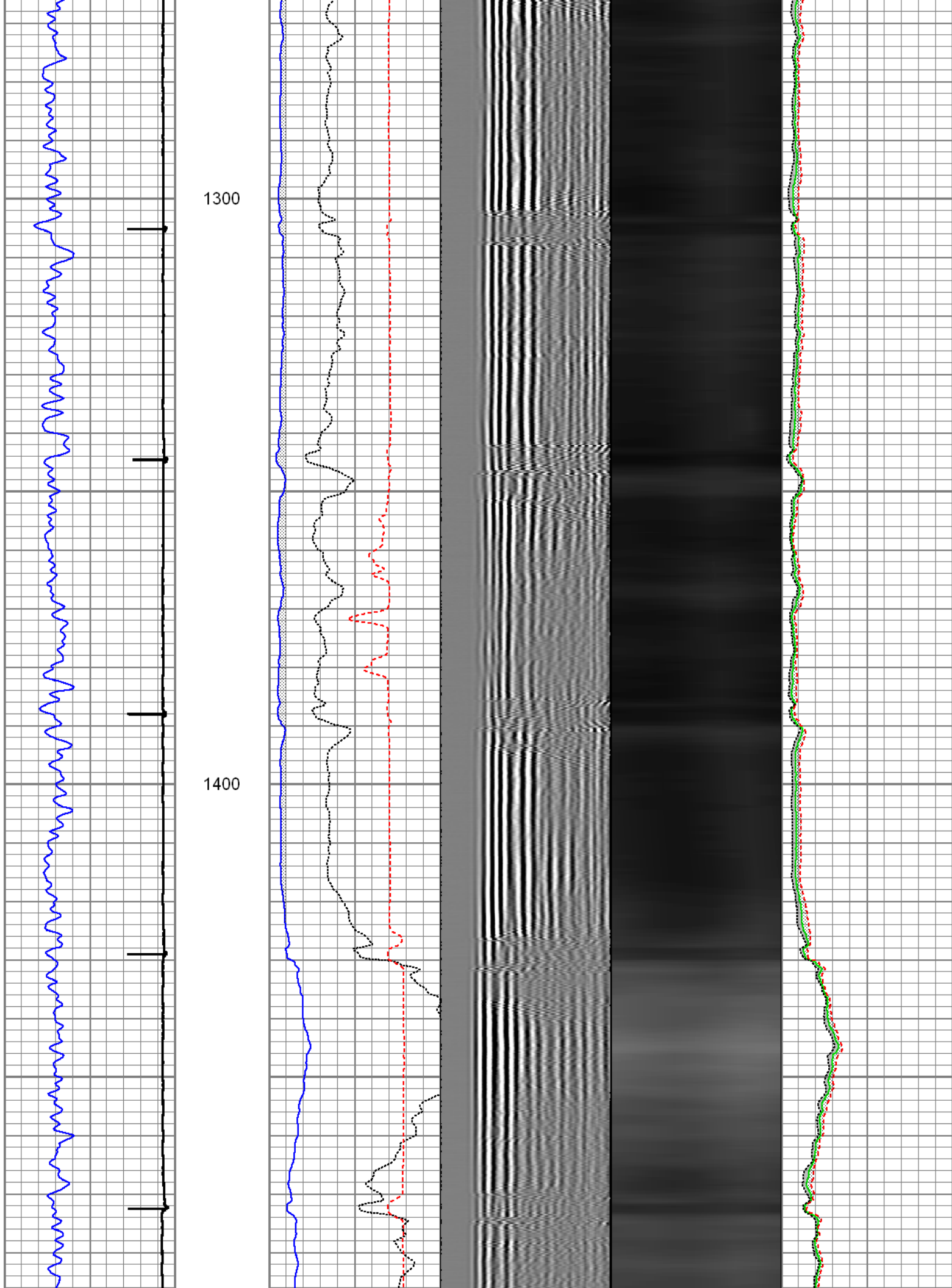
1100

1200



1300

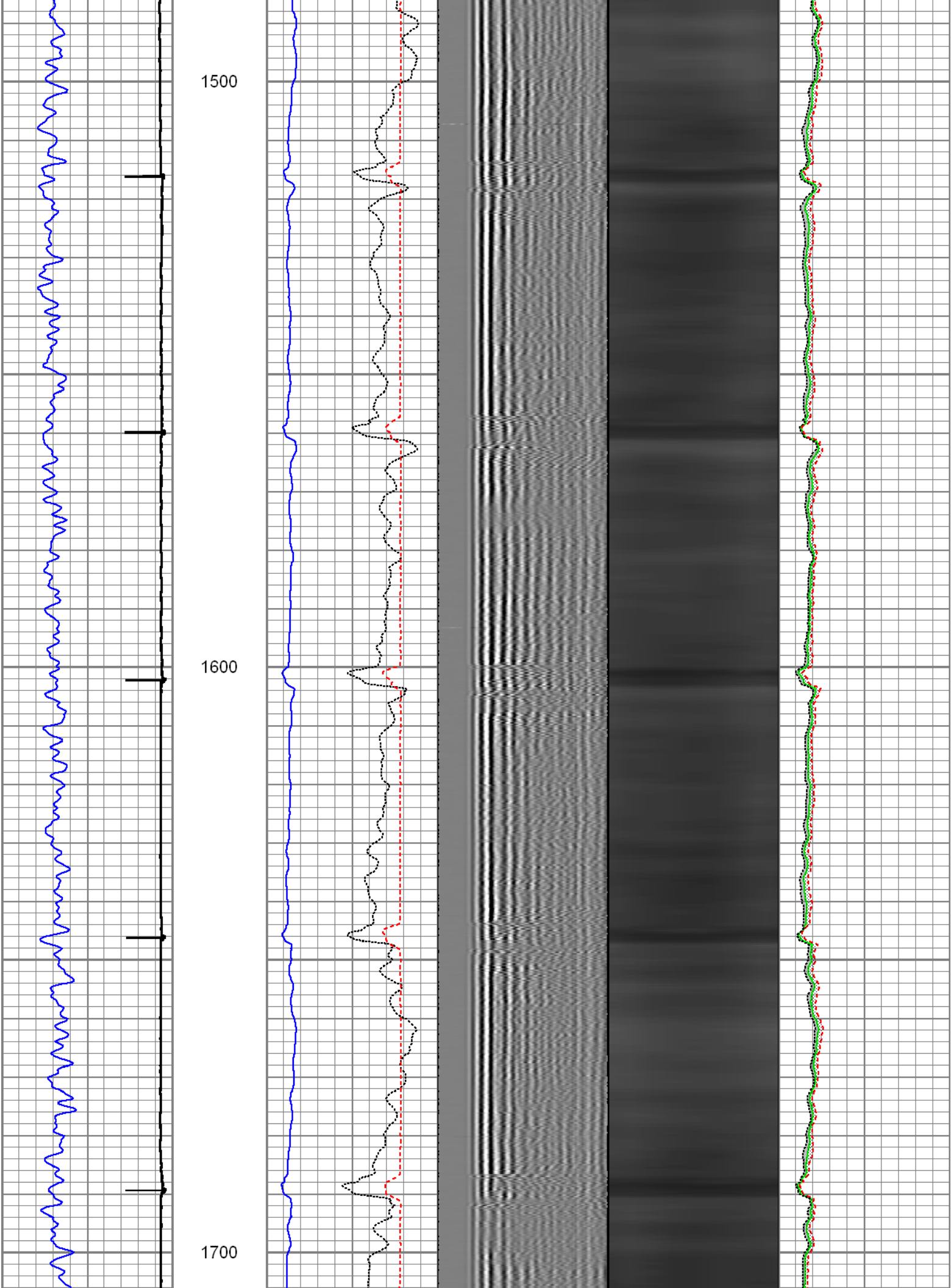
1400

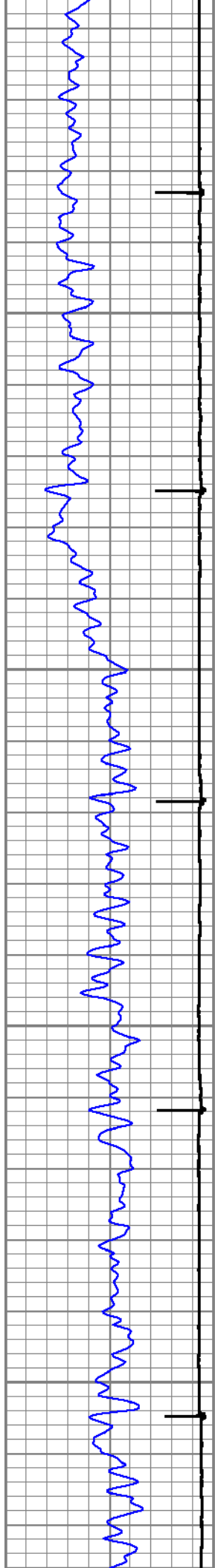


1500

1600

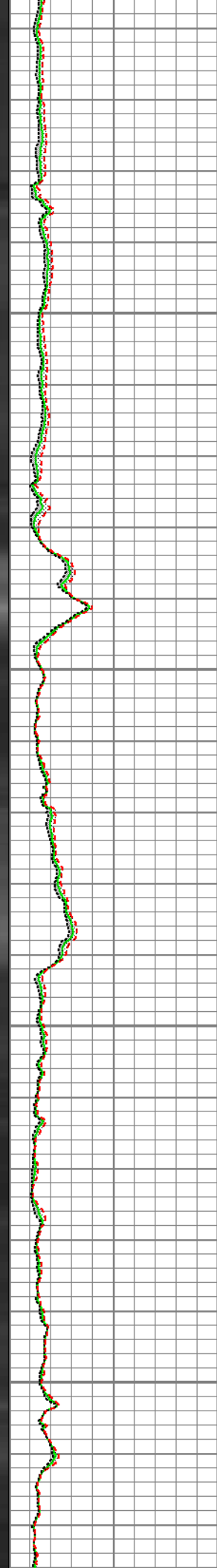
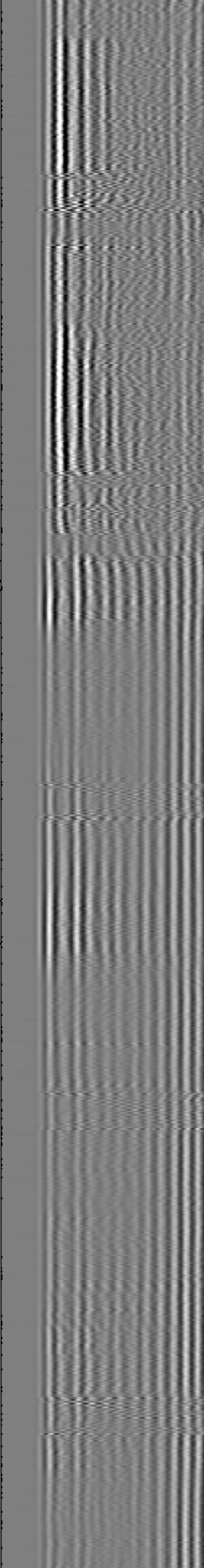
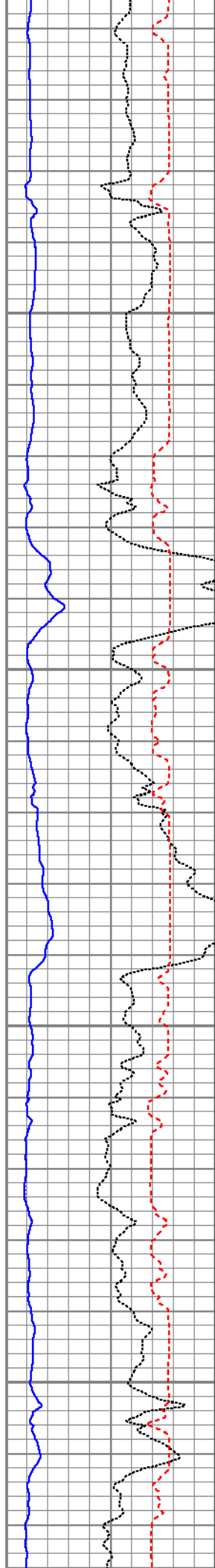
1700

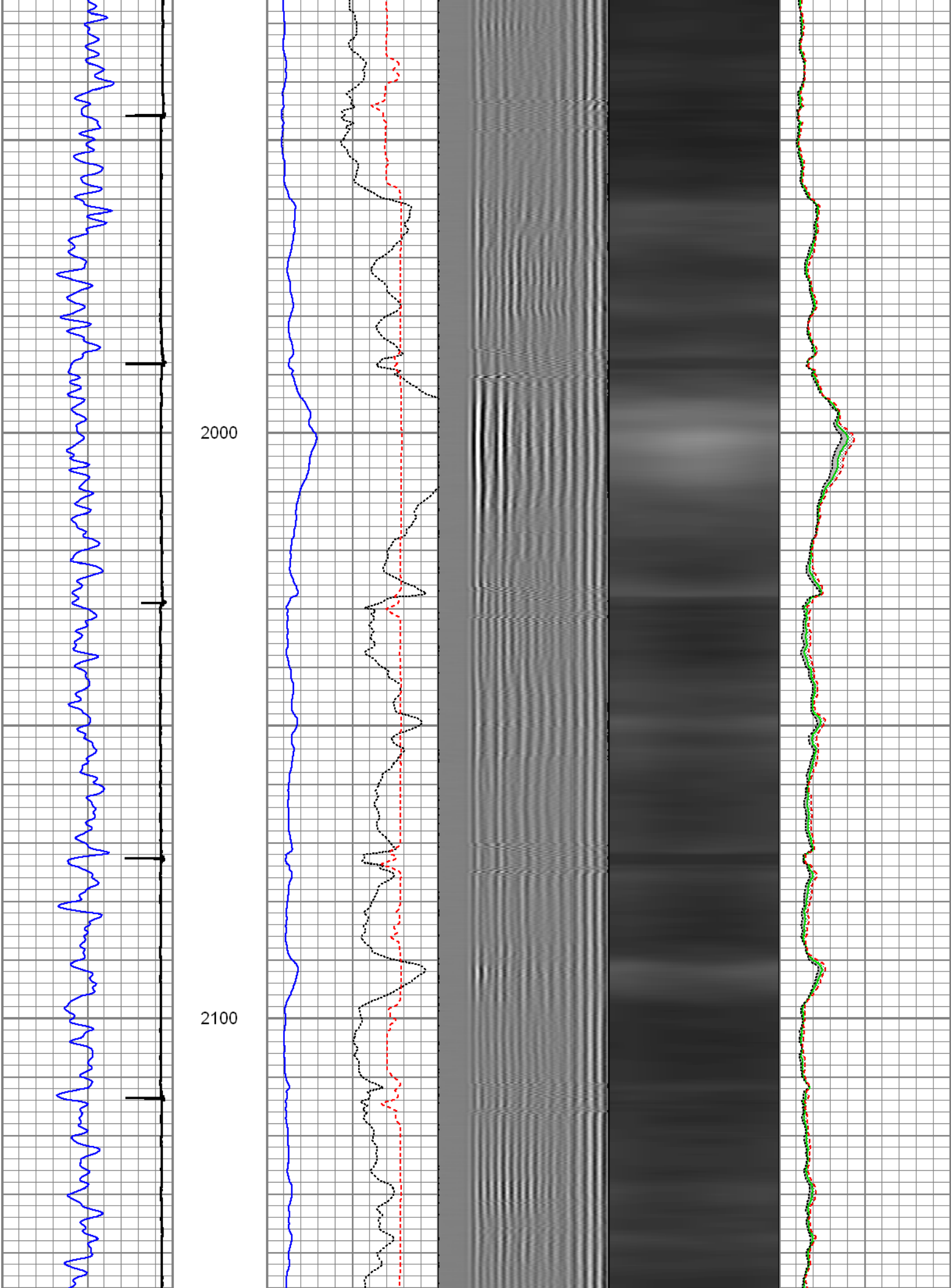


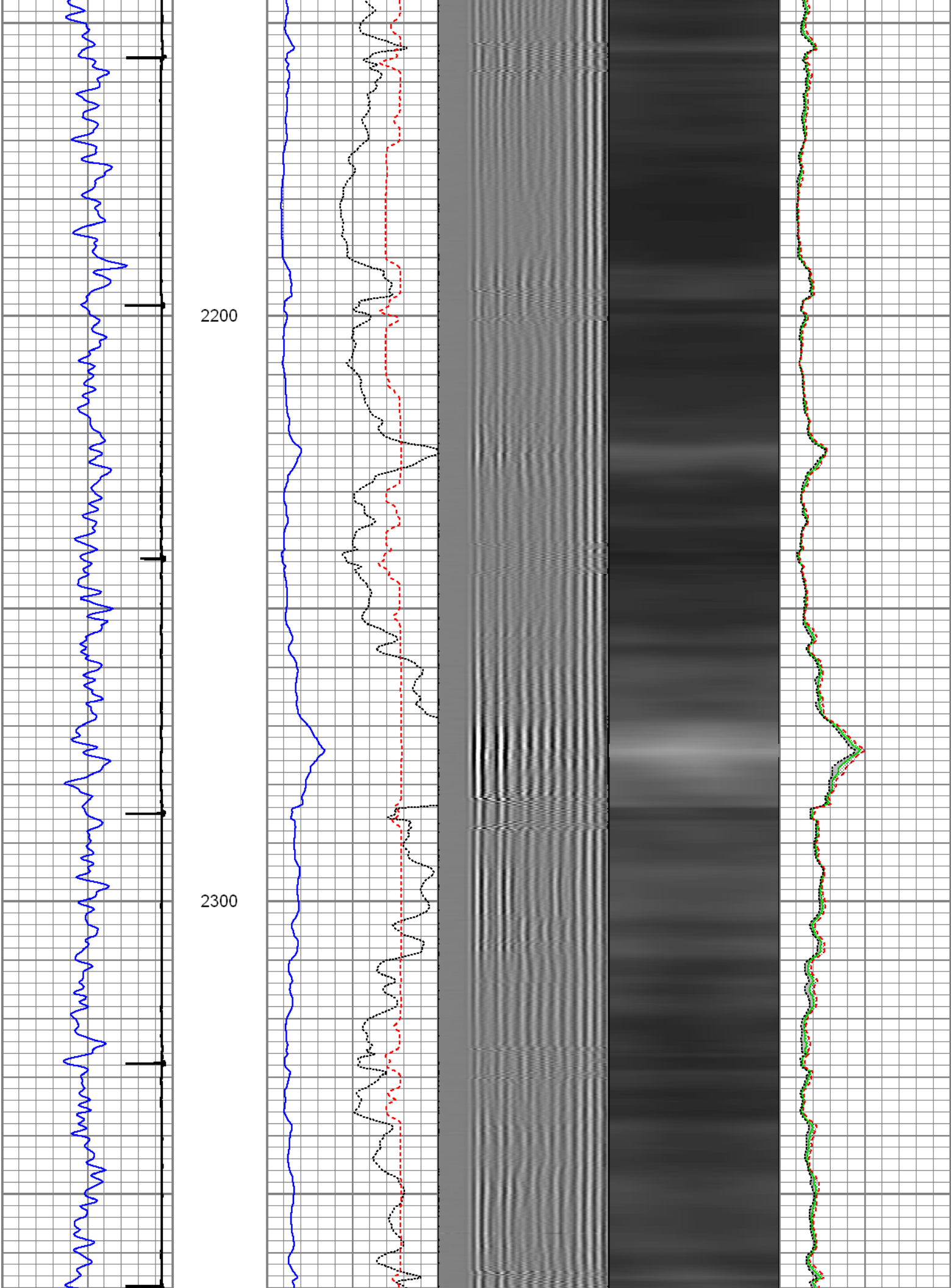


1800

1900

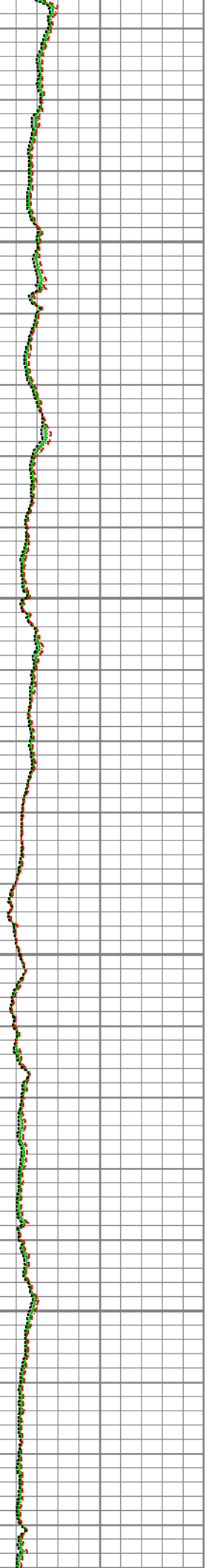
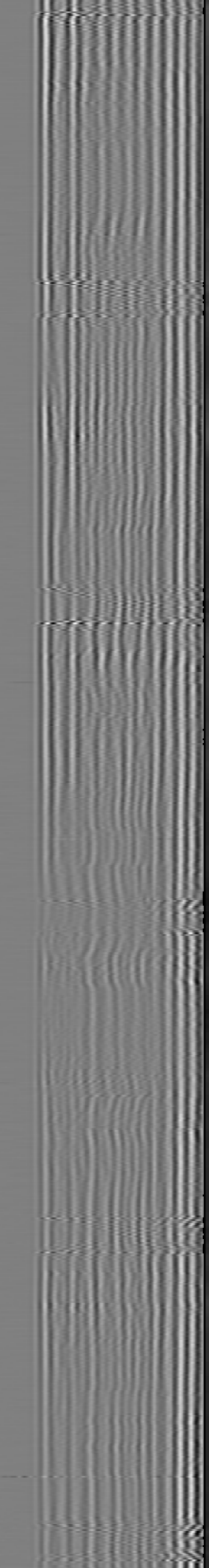
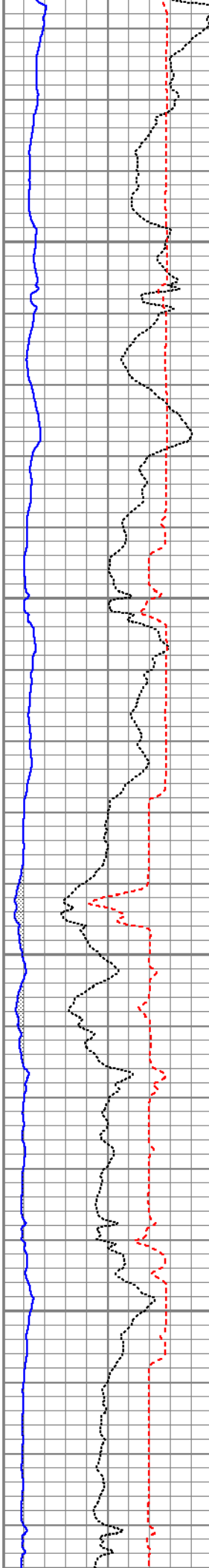
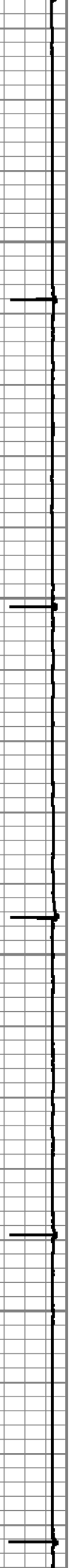






2400

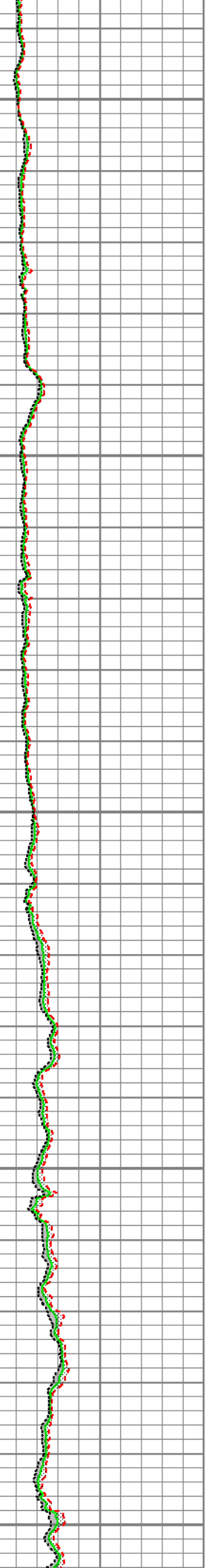
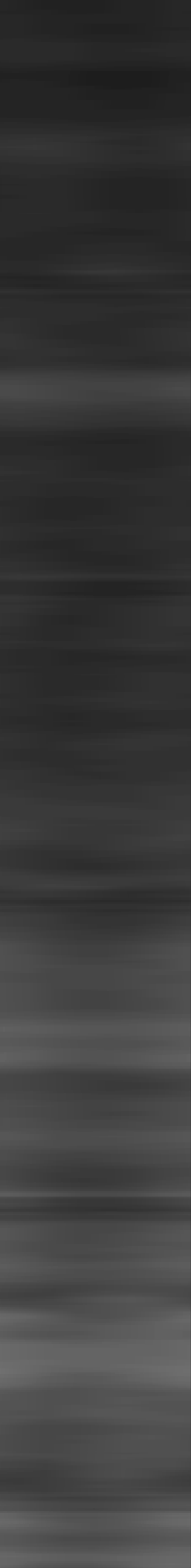
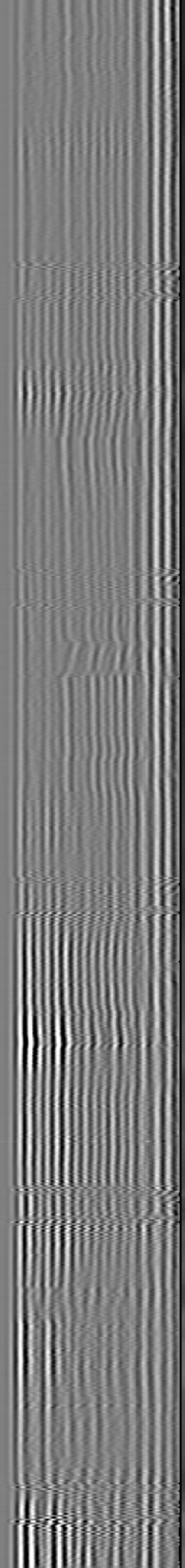
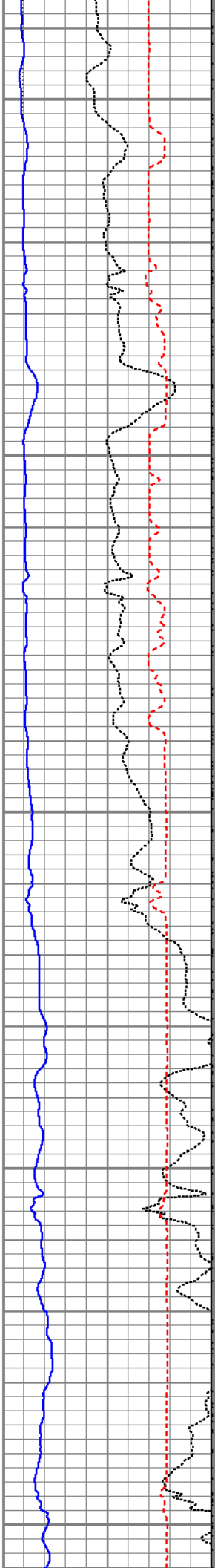
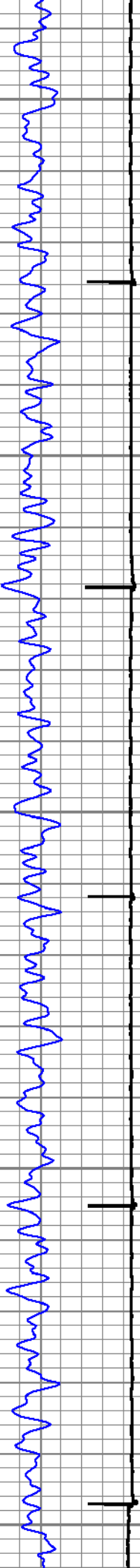
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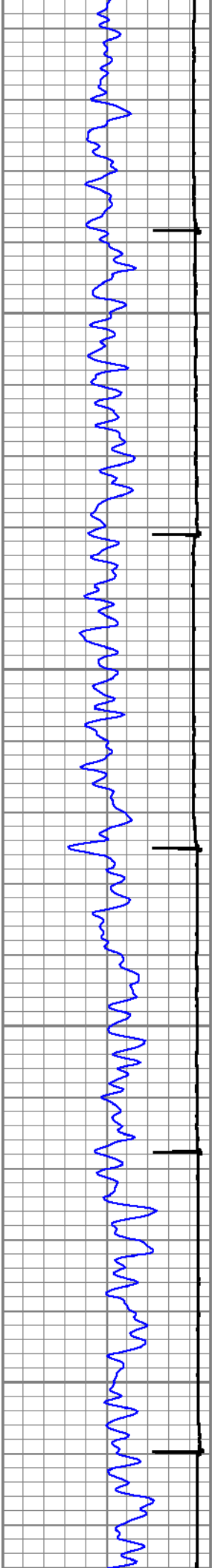


2600

2700

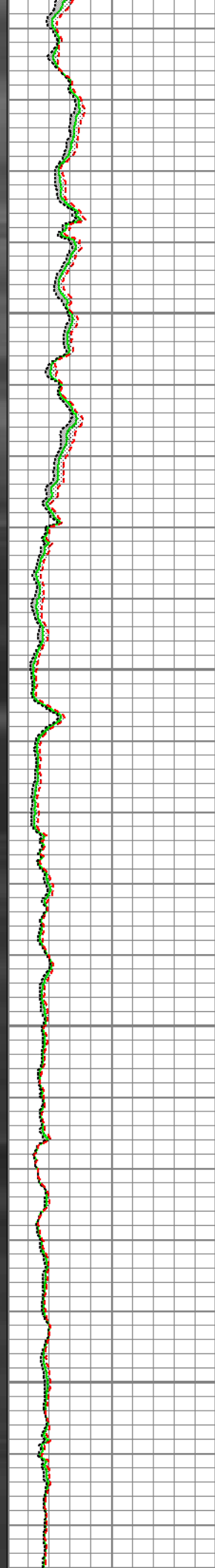
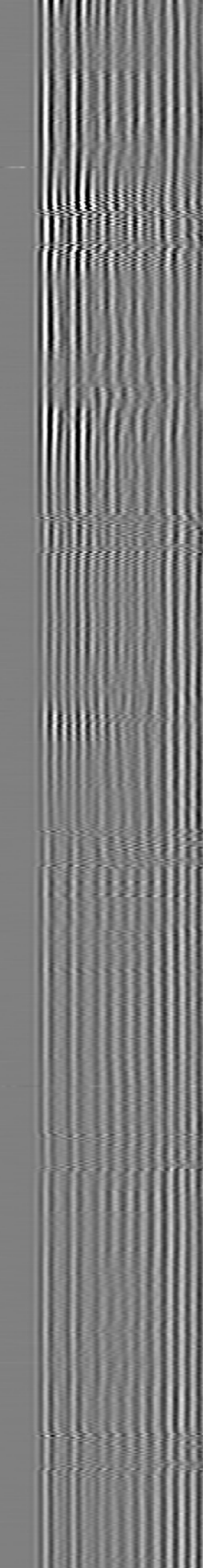
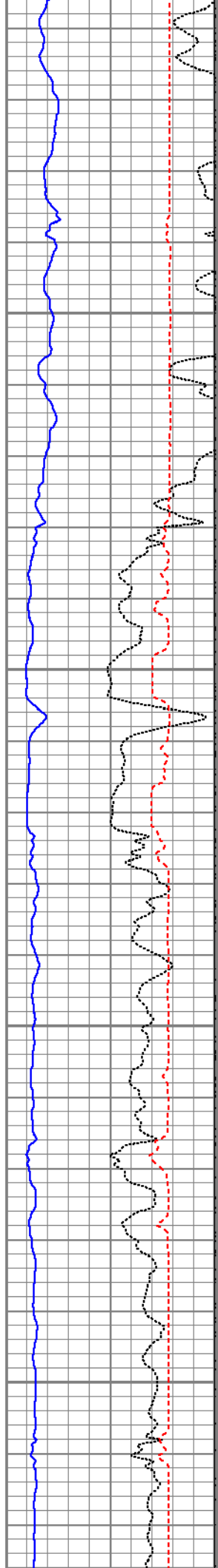
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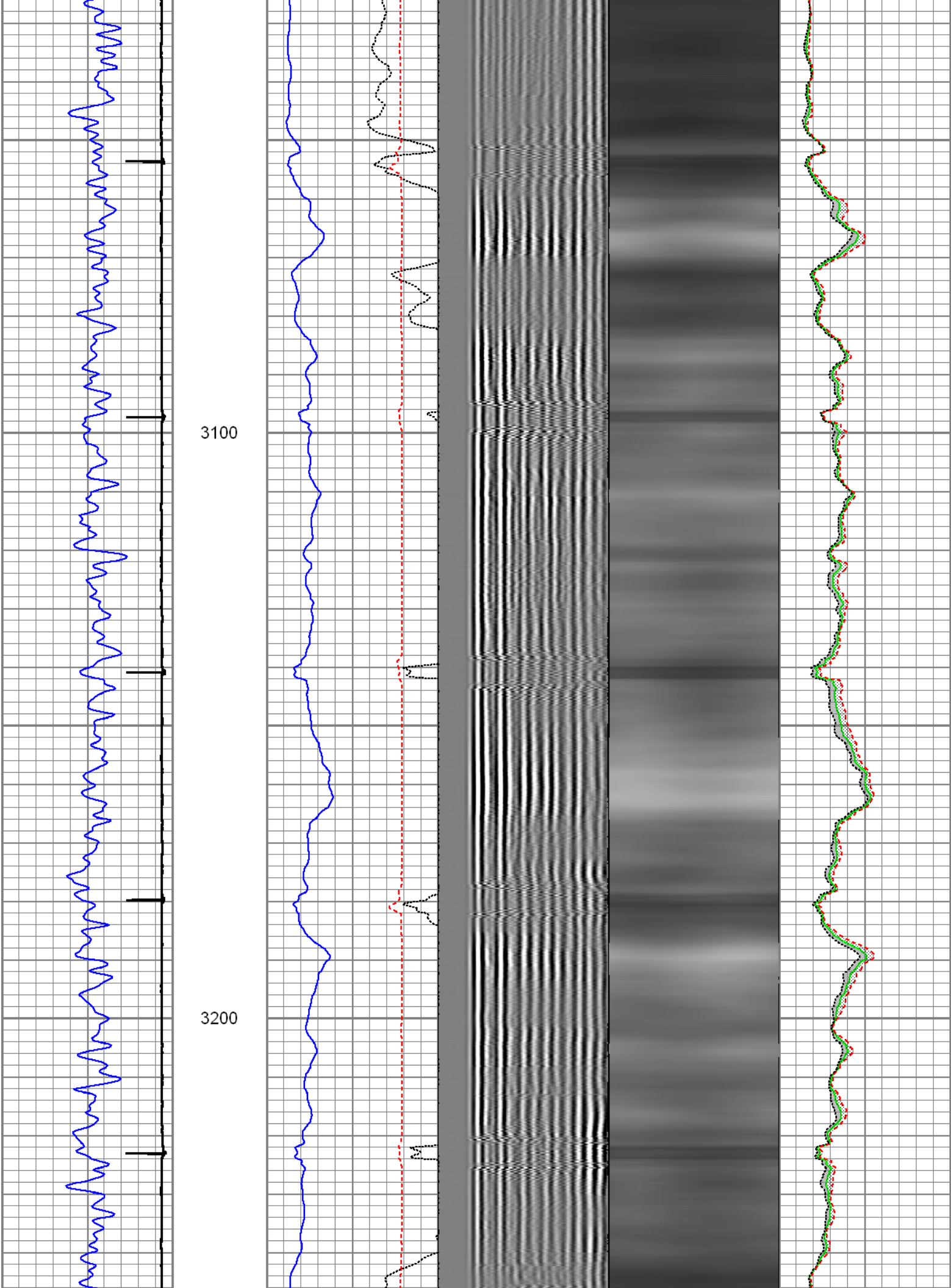


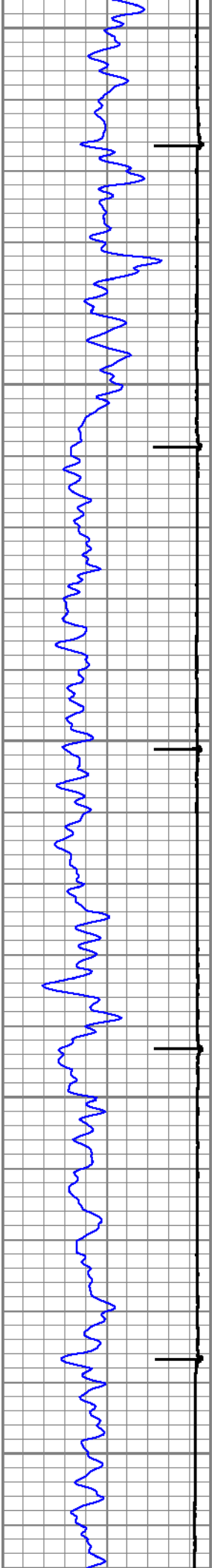


2900

3000

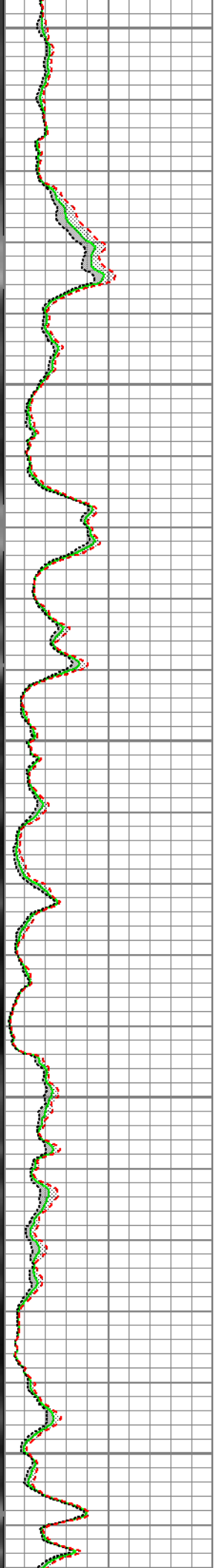
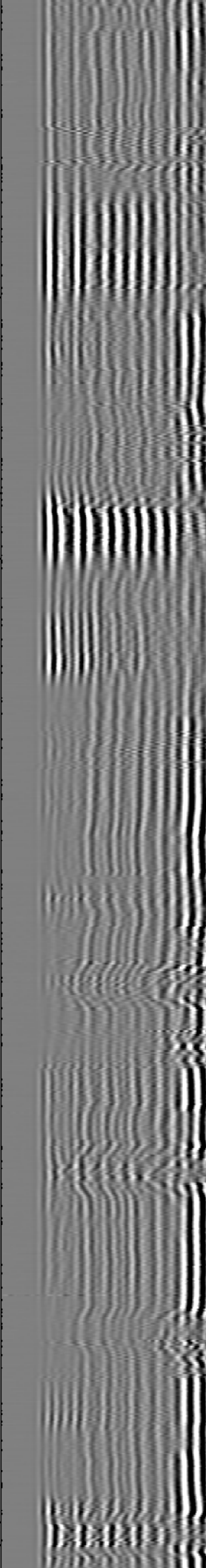
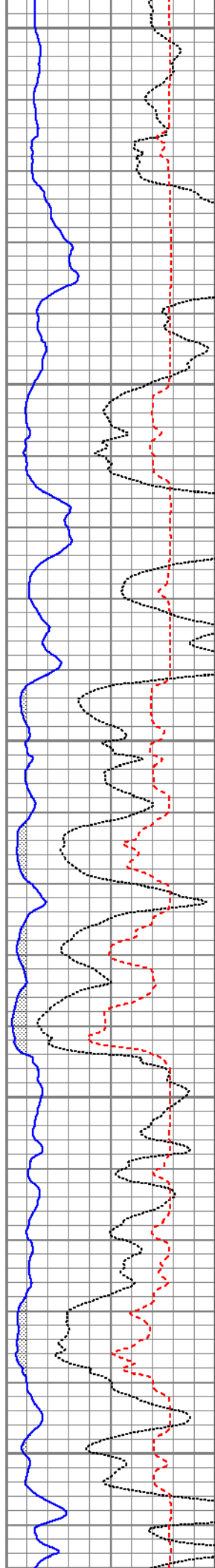


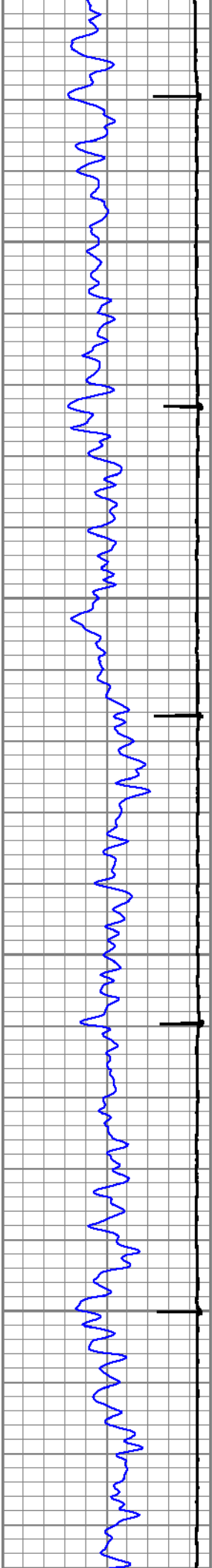




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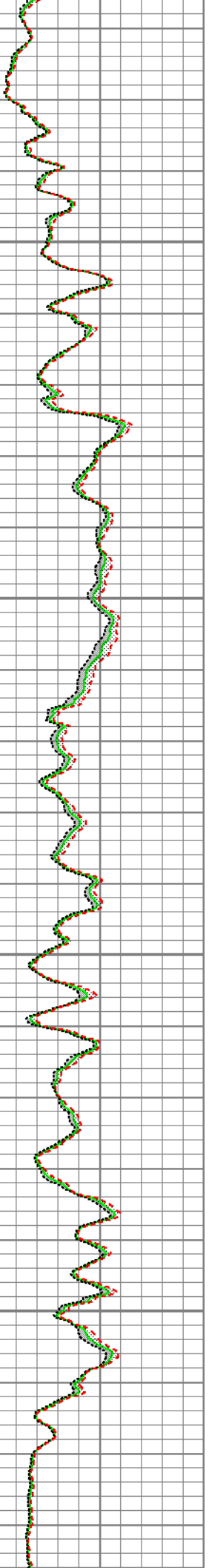
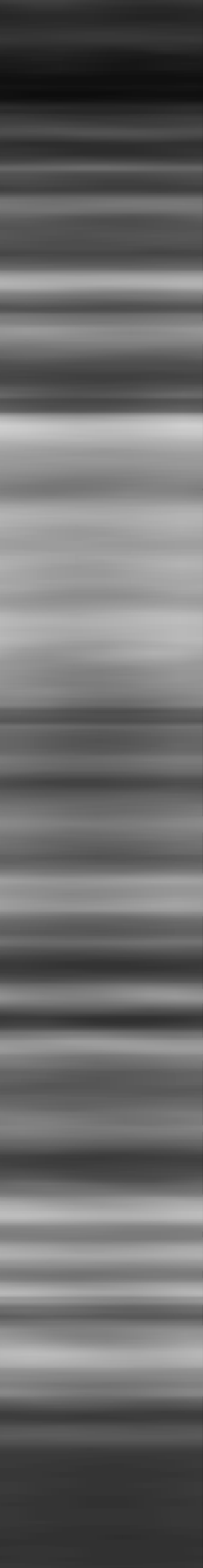
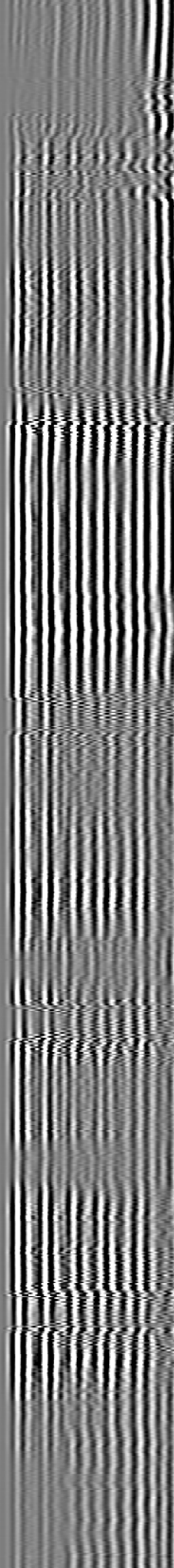
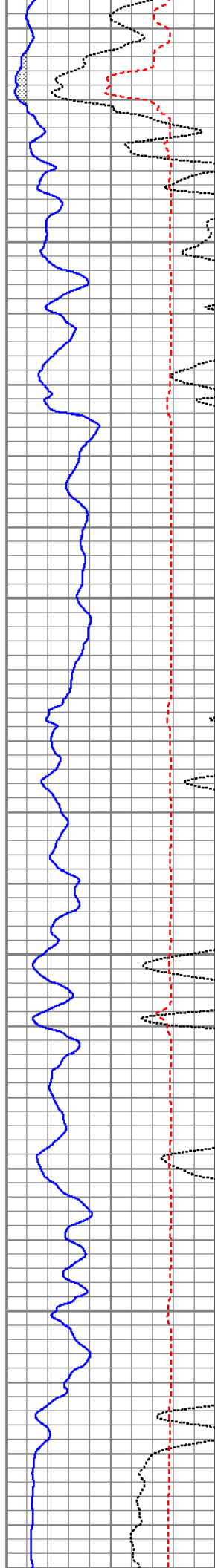
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3500

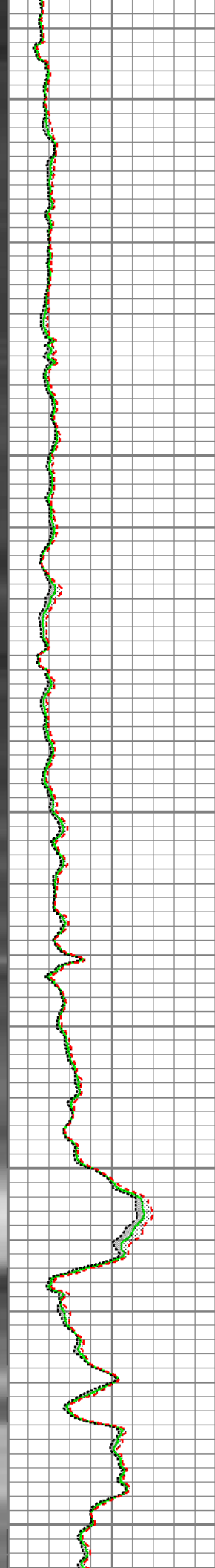
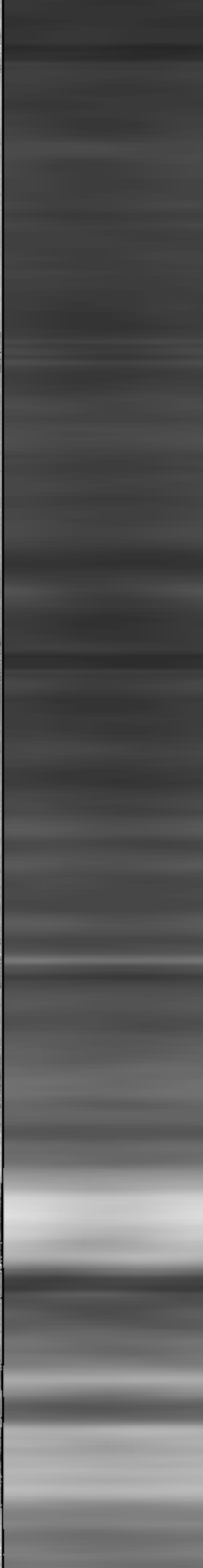
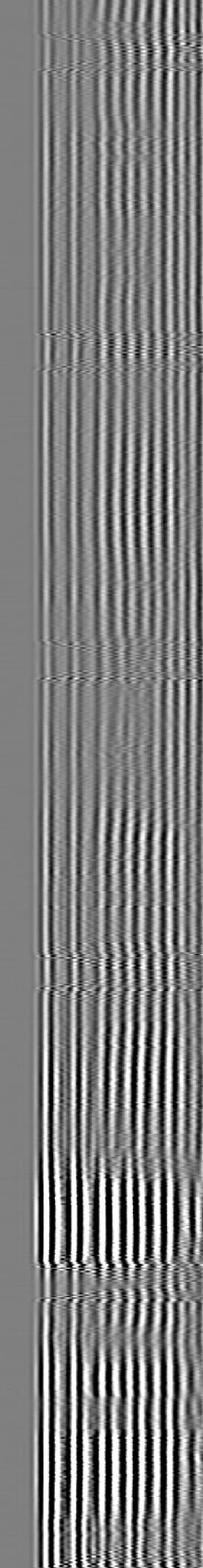
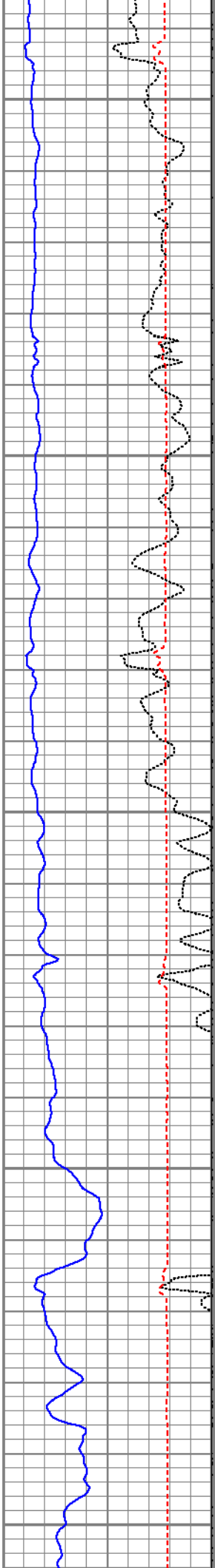
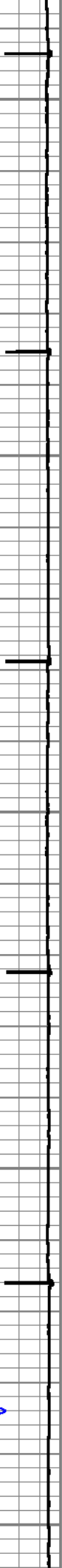
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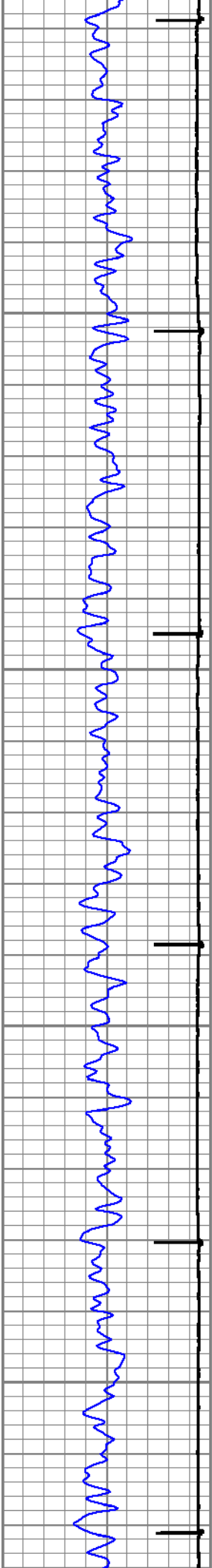


3700

3800

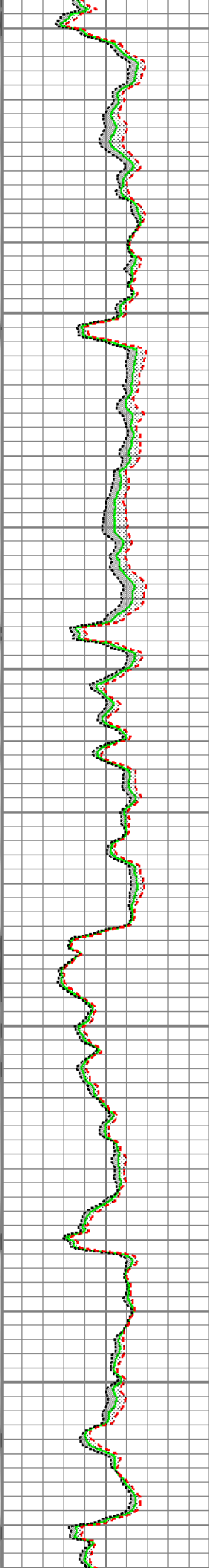
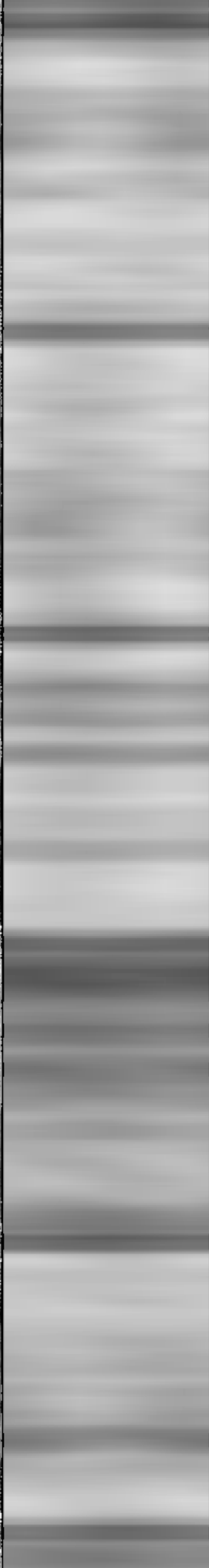
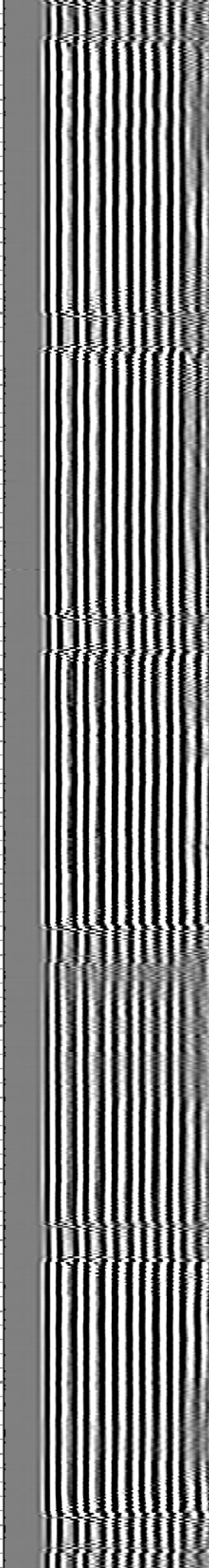
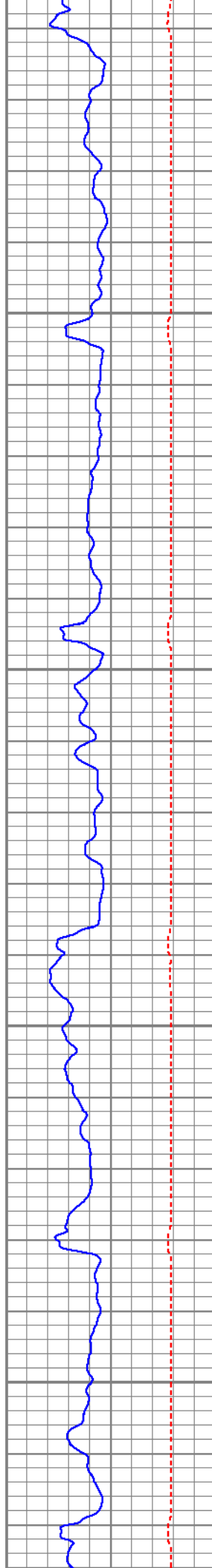
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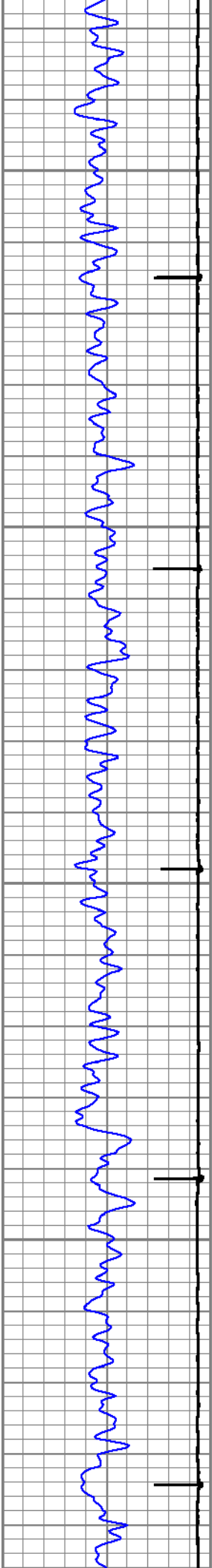




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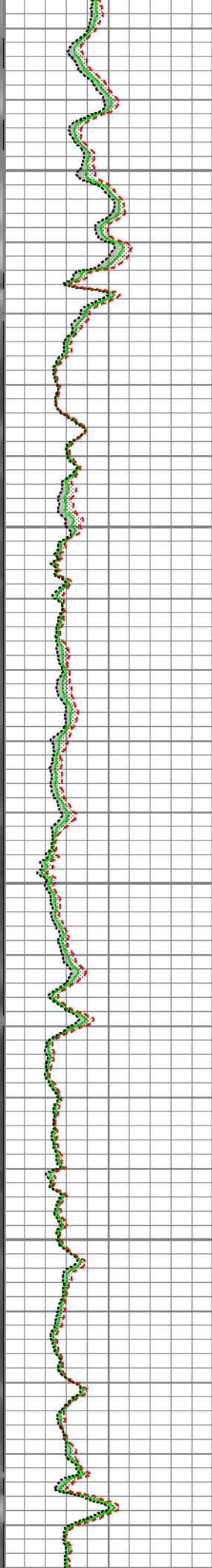
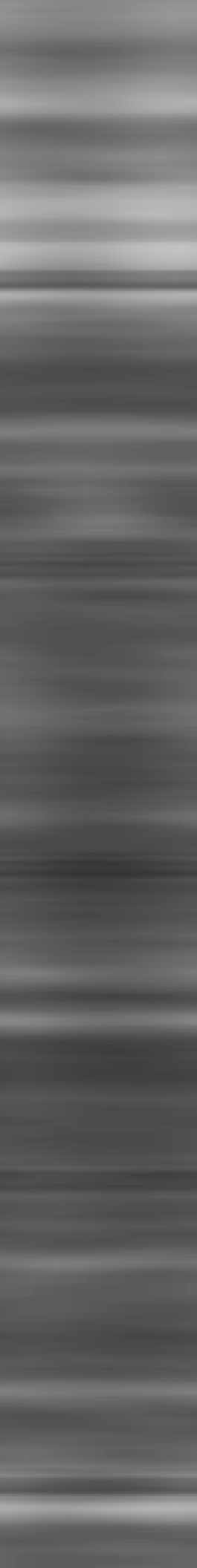
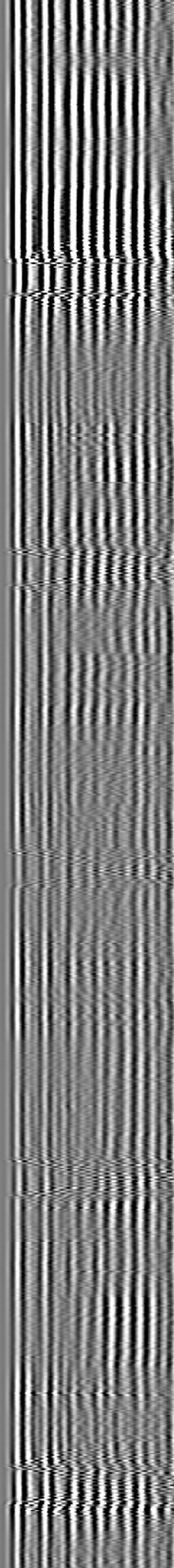
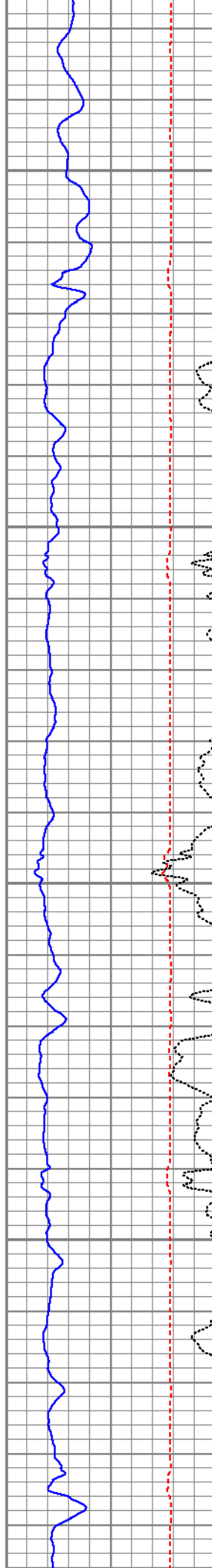
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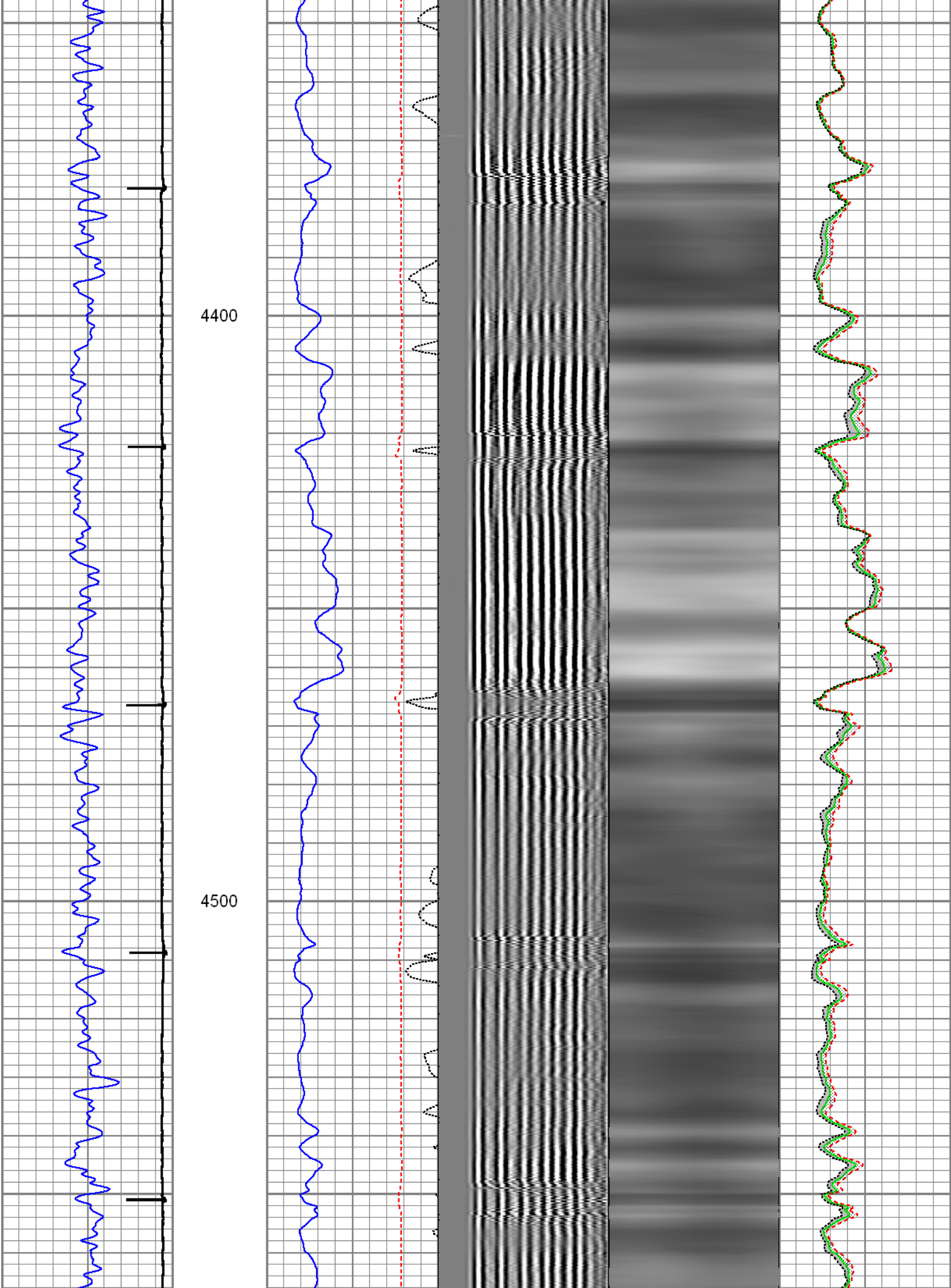




4200

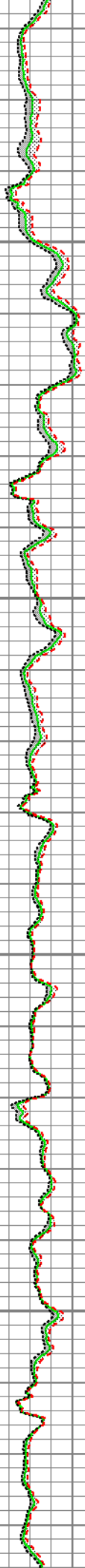
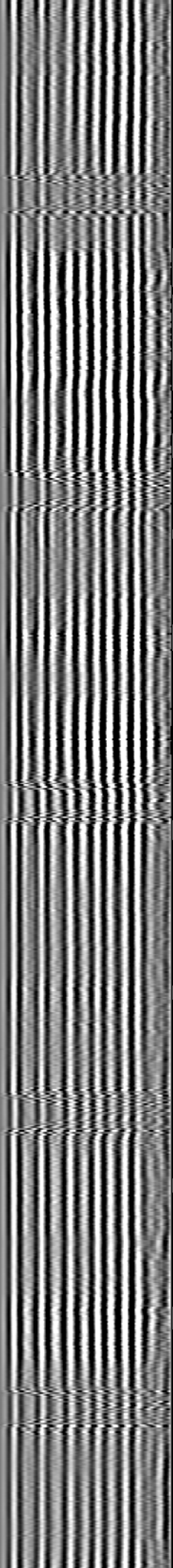
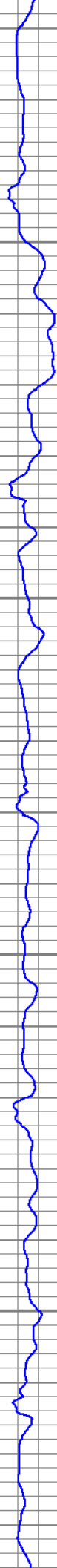
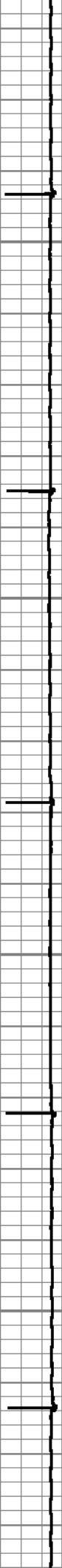
4300





4600

4700



4800

4900

Liner Top

5000

CCL

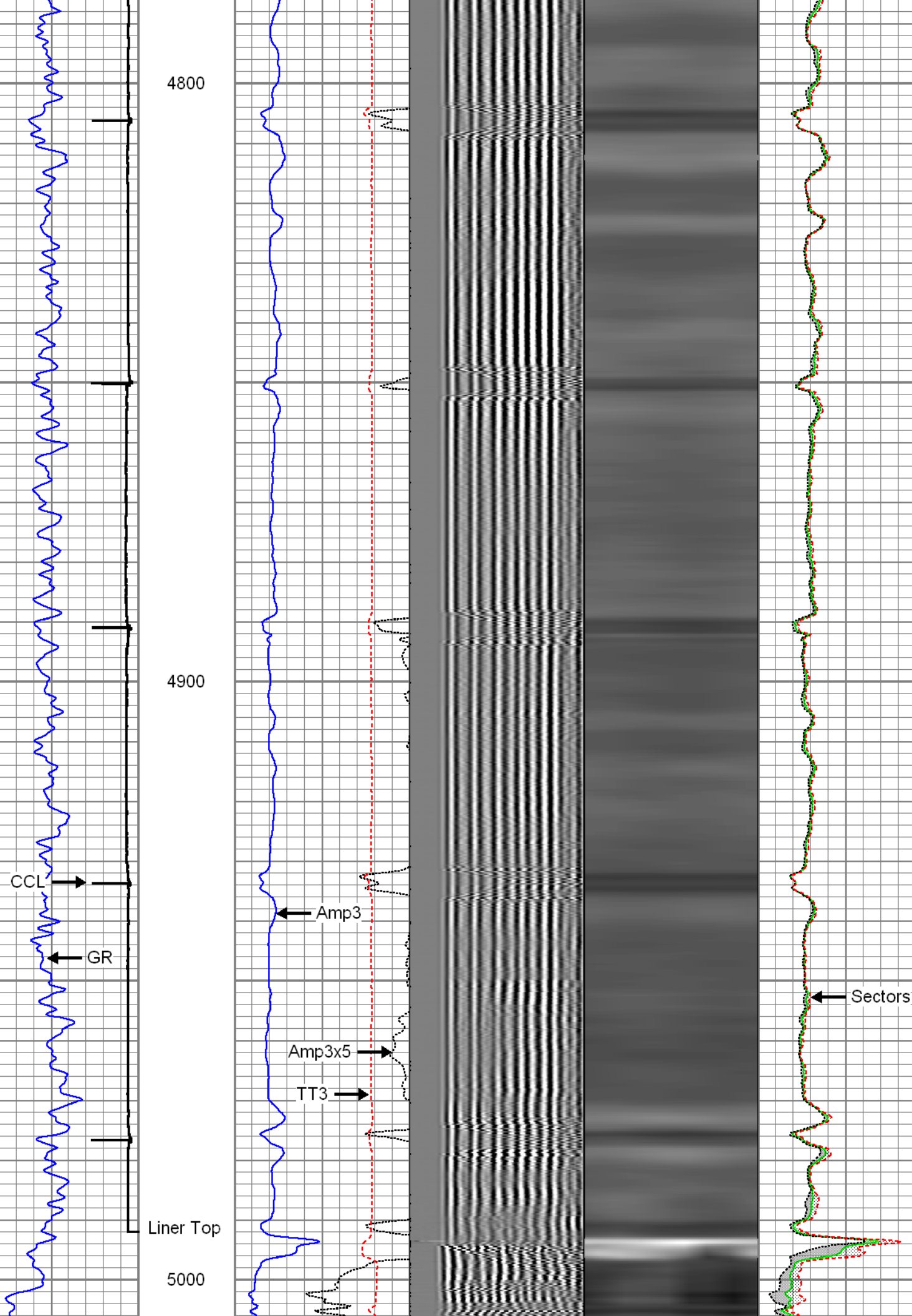
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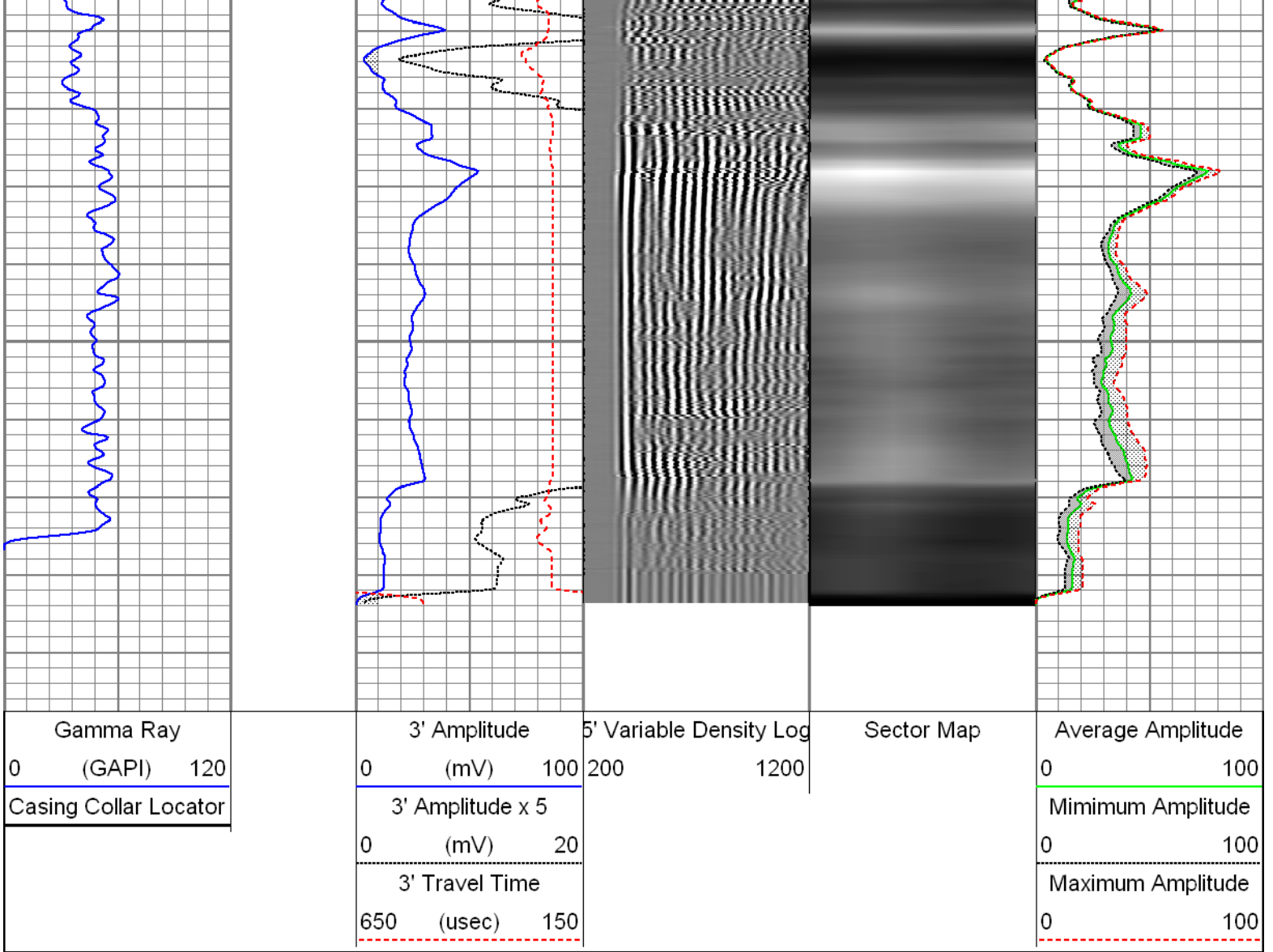
Amp3

Amp3x5

TT3

Sectors

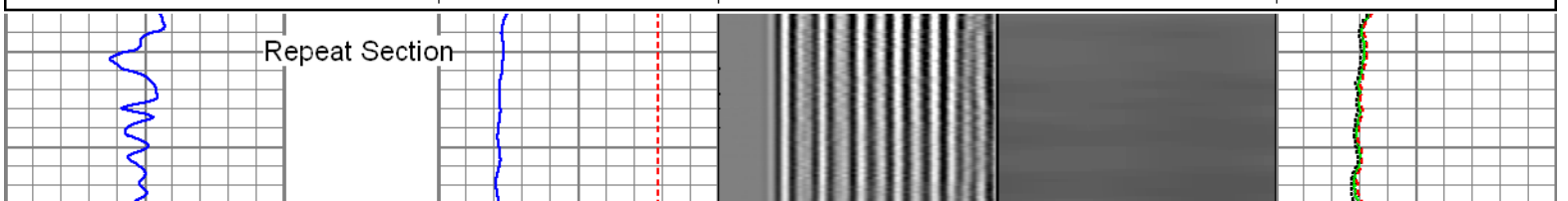
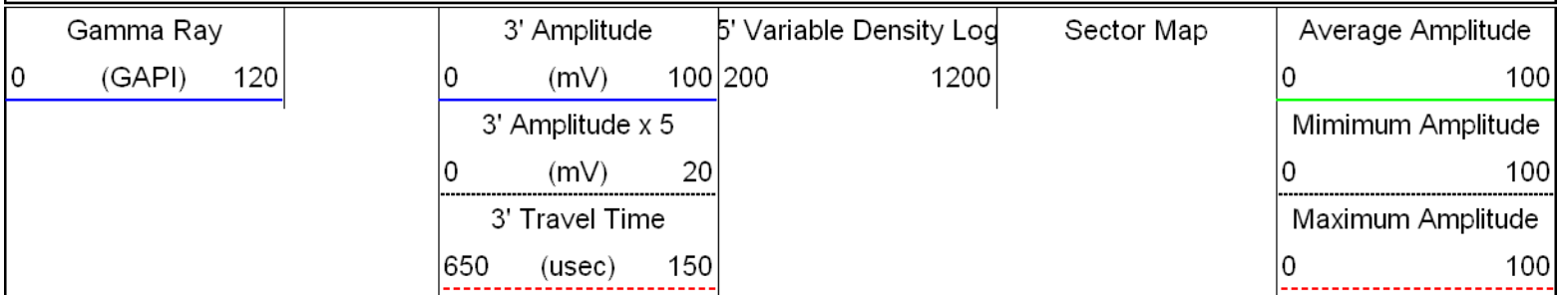




Repeat Pass

Recorded At 1500 PSI Surface Induced Pressure

Database File: 07-11-14_whiting_razor 26l-3502b_mit_rbl.db
 Dataset Pathname: rcbl.mit/Repeat
 Presentation Format: rbt4_mit
 Dataset Creation: Fri Jul 11 12:12:47 2014 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

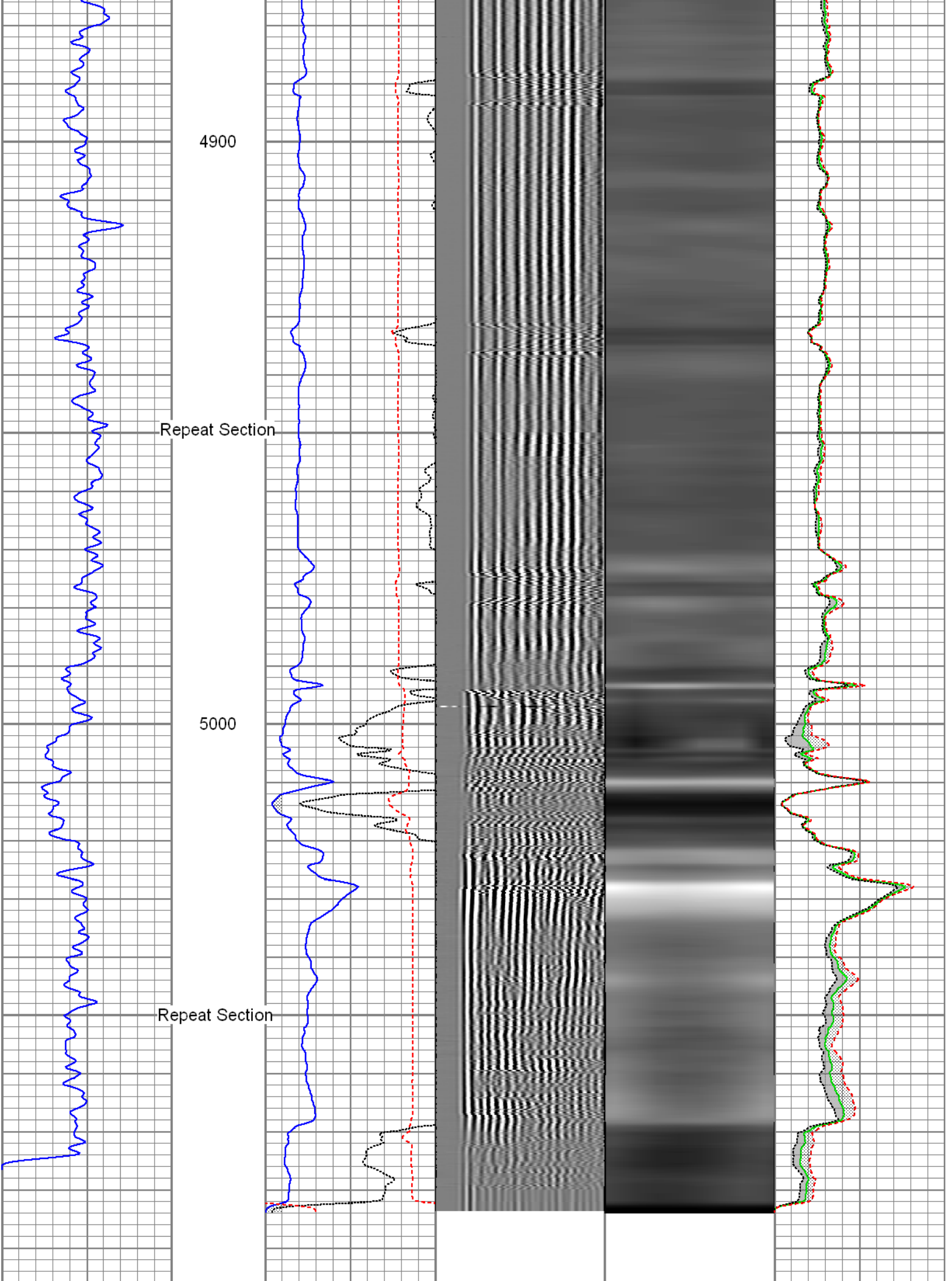


4900

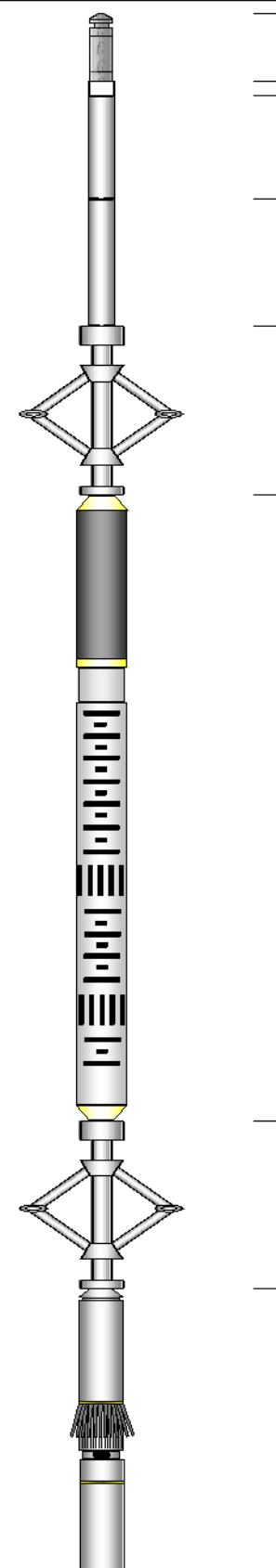
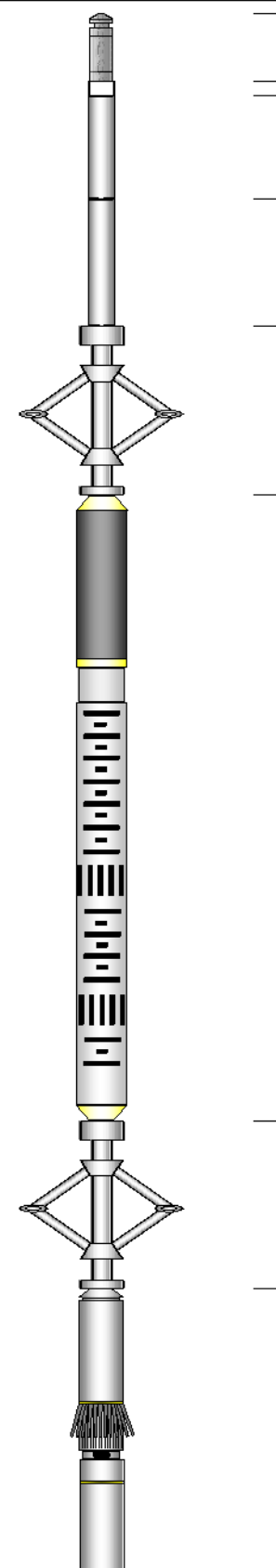
Repeat Section

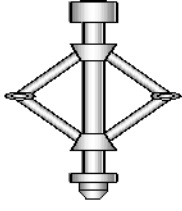
5000

Repeat Section



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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)						
GR	22.37		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-DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00						
WVFS1	14.99		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00						
WVFS2	14.99		UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00						
WVFS3	14.99			UW_MIT-UW_MIT40_042 (10014703) 40 Multifinger Imaging Tool	4.54	2.75	61.10					
WVFS4	14.99				UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00				
WVFS5	14.99					UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00			
WVFS6	14.99						UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00		
WVFS7	14.99							UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00	
WVFS8	14.99								UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
CBLTEMP	14.99									UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75
CBLROT	14.99		UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00						
WVFS5FT	13.99	UW_PRC-DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer		2.55	2.75	32.00						
MIT	4.97		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: 07-11-14_Whiting_Razor 26L-3502B_MIT_RBL.db: field/well/rcbl.mit/Pass15
Total Length: 26.62 ft
Total Weight: 319.30 lb
O.D. 3.13 in

Calibration Report

Database File: 07-11-14_Whiting_Razor 26L-3502B_MIT_RBL.db
Dataset Pathname: rcbl.mit/Pass15
Dataset Creation: Fri Jul 11 14:34:54 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: Fri Jul 11 11:00:25 2014

Ring size:	4		5		6		7
(in)		Sens		Sens		Sens	
Finger 01:	1212	340.0	1552	375.0	1927	395.0	2322
Finger 02:	1154	354.0	1508	399.0	1907	420.0	2327
Finger 03:	1157	343.0	1500	384.0	1884	403.0	2287
Finger 04:	1100	360.0	1460	412.0	1872	434.0	2306
Finger 05:	1117	339.0	1456	383.0	1839	397.0	2236
Finger 06:	1115	355.0	1470	402.0	1872	415.0	2287
Finger 07:	1137	349.0	1486	389.0	1875	399.0	2274
Finger 08:	1092	356.0	1448	406.0	1854	413.0	2267
Finger 09:	1164	363.0	1527	395.0	1922	392.0	2314
Finger 10:	1103	356.0	1459	394.0	1853	393.0	2246
Finger 11:	1103	360.0	1463	399.0	1862	403.0	2265
Finger 12:	1174	360.0	1534	380.0	1914	373.0	2287
Finger 13:	1122	362.0	1484	397.0	1881	399.0	2280
Finger 14:	1094	375.0	1469	410.0	1879	412.0	2291
Finger 15:	1056	375.0	1431	414.0	1845	420.0	2265
Finger 16:	1131	371.0	1502	397.0	1899	398.0	2297
Finger 17:	1143	363.0	1506	384.0	1890	383.0	2273
Finger 18:	1186	366.0	1552	387.0	1939	387.0	2326
Finger 19:	1138	371.0	1509	395.0	1904	394.0	2298
Finger 20:	1054	372.0	1426	403.0	1829	413.0	2242
Finger 21:	1135	364.0	1499	386.0	1885	398.0	2283
Finger 22:	1130	367.0	1497	392.0	1889	400.0	2289
Finger 23:	1224	348.0	1572	366.0	1928	372.0	2314

Finger 23:	1224	348.0	1572	366.0	1938	373.0	2311
Finger 24:	1144	372.0	1516	394.0	1910	408.0	2318
Finger 25:	1144	364.0	1508	392.0	1900	410.0	2310
Finger 26:	1181	364.0	1545	382.0	1927	398.0	2325
Finger 27:	1191	350.0	1541	375.0	1916	399.0	2315
Finger 28:	1158	364.0	1522	390.0	1912	414.0	2326
Finger 29:	1137	363.0	1500	396.0	1896	425.0	2321
Finger 30:	1139	357.0	1496	389.0	1885	427.0	2312
Finger 31:	1196	348.0	1544	374.0	1918	397.0	2315
Finger 32:	1145	354.0	1499	386.0	1885	427.0	2312
Finger 33:	1152	354.0	1506	389.0	1895	419.0	2314
Finger 34:	1139	354.0	1493	395.0	1888	428.0	2316
Finger 35:	1197	340.0	1537	373.0	1910	402.0	2312
Finger 36:	1139	349.0	1488	391.0	1879	425.0	2304
Finger 37:	1205	336.0	1541	368.0	1909	400.0	2309
Finger 38:	1230	338.0	1568	371.0	1939	399.0	2338
Finger 39:	1136	342.0	1478	387.0	1865	419.0	2284
Finger 40:	1085	358.0	1443	411.0	1854	441.0	2295

Post Survey Calibration Check
Performed: Fri Jul 11 14:34:28 2014

Ring size: (in)	4	Nom. wear	5	Nom. wear	6	Nom. wear	7	Nom. wear
Finger 01:	4.009	0.004	5.009	0.004	6.009	0.004	7.006	0.003
Finger 02:	4.009	0.005	5.009	0.004	6.006	0.003	7.013	0.006
Finger 03:	4.013	0.007	5.009	0.005	6.008	0.004	7.011	0.005
Finger 04:	4.020	0.010	5.016	0.008	6.015	0.007	7.018	0.009
Finger 05:	4.012	0.006	5.012	0.006	6.011	0.006	7.018	0.009
Finger 06:	4.015	0.007	5.012	0.006	6.010	0.005	7.013	0.006
Finger 07:	4.011	0.006	5.010	0.005	6.005	0.003	7.007	0.003
Finger 08:	4.016	0.008	5.014	0.007	6.006	0.003	7.015	0.008
Finger 09:	4.023	0.011	5.015	0.007	6.013	0.006	7.014	0.007
Finger 10:	4.017	0.008	5.009	0.005	6.004	0.002	7.011	0.005
Finger 11:	4.013	0.006	5.007	0.003	6.006	0.003	7.011	0.006
Finger 12:	4.018	0.009	5.012	0.006	6.012	0.006	7.007	0.003
Finger 13:	4.016	0.008	5.009	0.004	6.002	0.001	7.005	0.002
Finger 14:	4.010	0.005	5.006	0.003	6.005	0.003	7.003	0.002
Finger 15:	4.017	0.008	5.008	0.004	6.010	0.005	7.007	0.004
Finger 16:	4.006	0.003	5.003	0.002	6.000	0.000	7.004	0.002
Finger 17:	4.006	0.003	5.011	0.005	6.021	0.010	7.032	0.016
Finger 18:	4.015	0.008	5.008	0.004	6.015	0.007	7.007	0.004
Finger 19:	4.012	0.006	5.010	0.005	6.002	0.001	7.014	0.007
Finger 20:	4.003	0.001	5.022	0.011	6.013	0.007	7.024	0.012
Finger 21:	4.009	0.004	5.015	0.007	6.011	0.006	7.017	0.008
Finger 22:	4.012	0.006	5.012	0.006	6.007	0.003	7.015	0.008
Finger 23:	4.018	0.009	5.012	0.006	6.006	0.003	7.006	0.003
Finger 24:	4.012	0.006	5.008	0.004	6.012	0.006	7.011	0.006
Finger 25:	4.016	0.008	5.008	0.004	6.006	0.003	7.009	0.004
Finger 26:	4.019	0.009	5.011	0.006	6.010	0.005	7.013	0.006
Finger 27:	4.018	0.009	5.011	0.006	6.007	0.004	7.008	0.004
Finger 28:	4.018	0.009	5.011	0.005	6.009	0.004	7.012	0.006
Finger 29:	4.019	0.010	5.011	0.005	6.011	0.005	7.015	0.007
Finger 30:	4.020	0.010	5.011	0.005	6.009	0.004	7.005	0.002
Finger 31:	4.012	0.006	5.009	0.004	6.004	0.002	7.014	0.007
Finger 32:	4.010	0.005	5.009	0.004	6.009	0.005	7.010	0.005
Finger 33:	4.012	0.006	5.011	0.006	6.002	0.001	7.008	0.004
Finger 34:	4.008	0.004	5.012	0.006	6.013	0.007	7.014	0.007
Finger 35:	4.016	0.008	5.013	0.006	6.010	0.005	7.014	0.007
Finger 36:	4.011	0.005	5.010	0.005	6.011	0.006	7.016	0.008
Finger 37:	4.003	0.001	5.000	-0.000	6.000	0.000	7.008	0.004
Finger 38:	4.018	0.009	5.011	0.005	6.008	0.004	7.011	0.006
Finger 39:	4.007	0.003	5.011	0.005	6.011	0.005	7.012	0.006
Finger 40:	4.018	0.009	5.015	0.008	6.013	0.006	7.015	0.008
Average:	4.013	0.007	5.010	0.005	6.009	0.004	7.012	0.006

Segmented Cement Bond Log Calibration Report

Serial Number: 10013454
 Tool Model: UW_RBT_004
 Calibration Casing Diameter: 7.000 in
 Calibration Depth: 29.865 ft

Master Calibration, performed Sun Jun 29 15:29:41 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.001	0.764	0.800	62.165	80.230	0.874
5FT	-0.002	0.802	0.800	62.165	76.263	0.986
S1	-0.000	0.769	0.000	100.000	129.937	0.049
S2	-0.002	0.773	0.000	100.000	128.976	0.315
S3	-0.001	0.771	0.000	100.000	129.492	0.168
S4	-0.003	0.765	0.000	100.000	130.301	0.329
S5	-0.001	0.755	0.000	100.000	132.210	0.157
S6	-0.002	0.757	0.000	100.000	131.751	0.322
S7	-0.001	0.757	0.000	100.000	131.859	0.161
S8	-0.001	0.764	0.000	100.000	130.729	0.160

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 Whiting Oil & Gas Corporation
 Well Razor 26L-3502B
 Field Wildcat
 County Weld
 State Colorado