



County Weld State Colorado

G.L. 4974

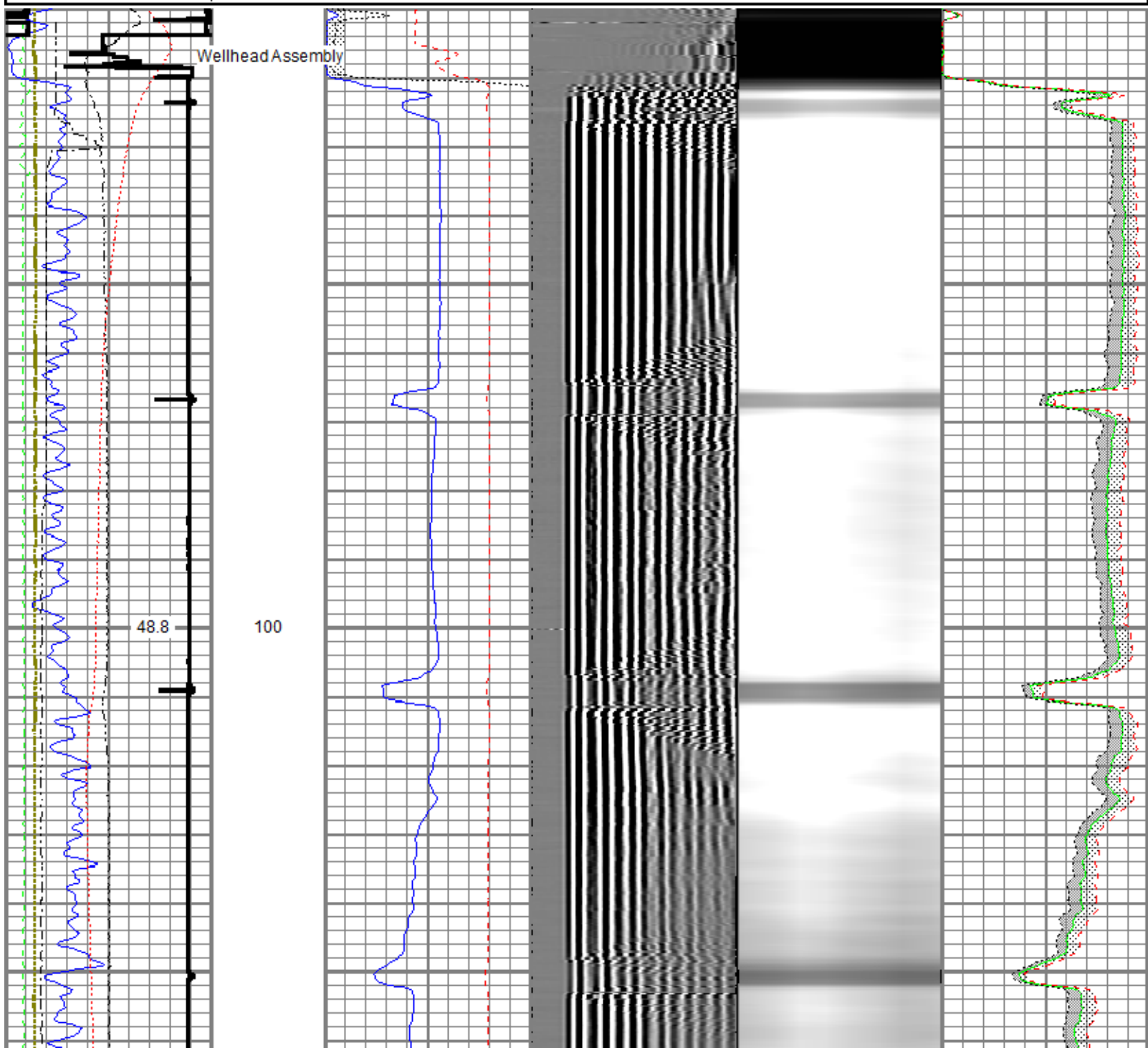
liner	5	---
	4 1/2	11.6

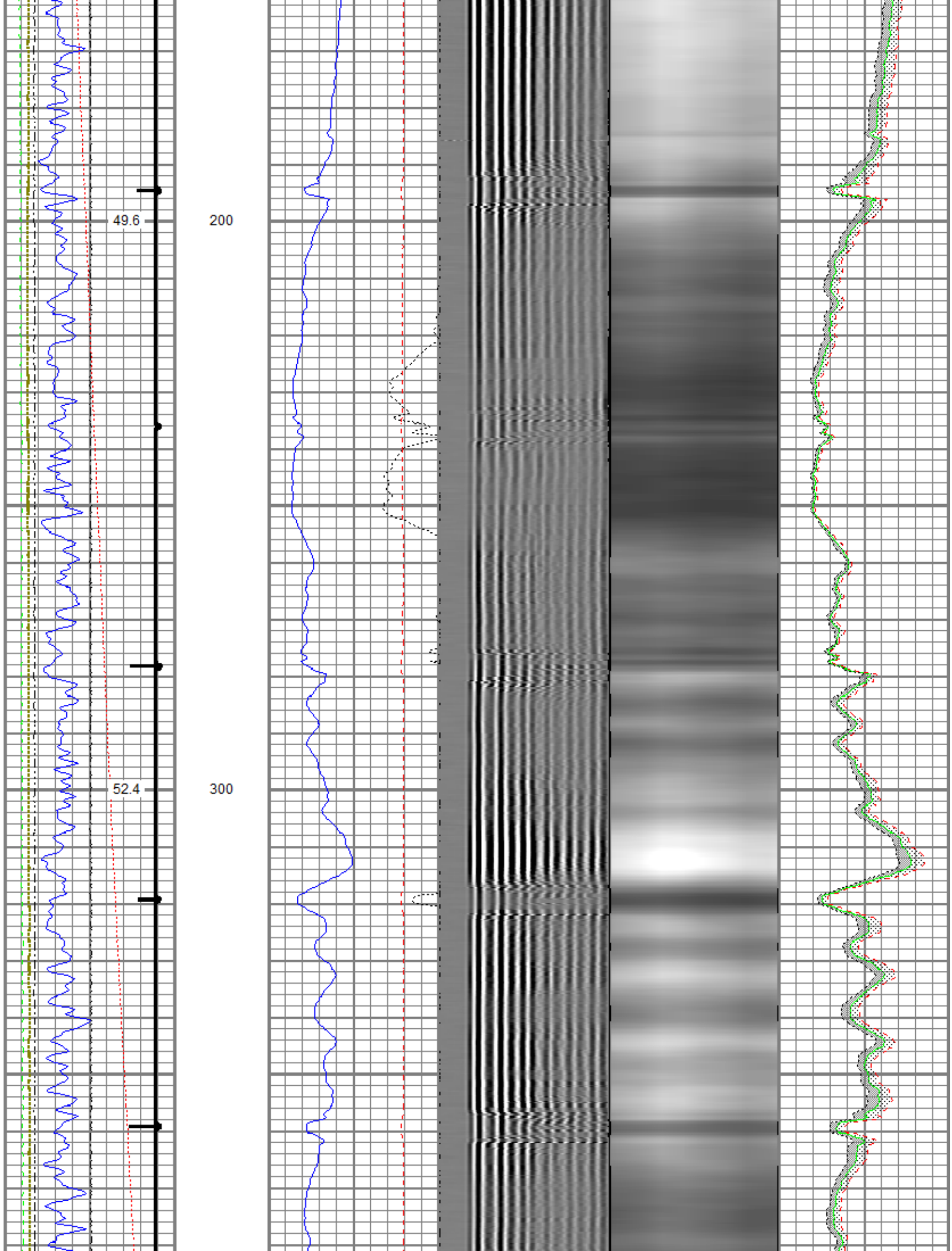


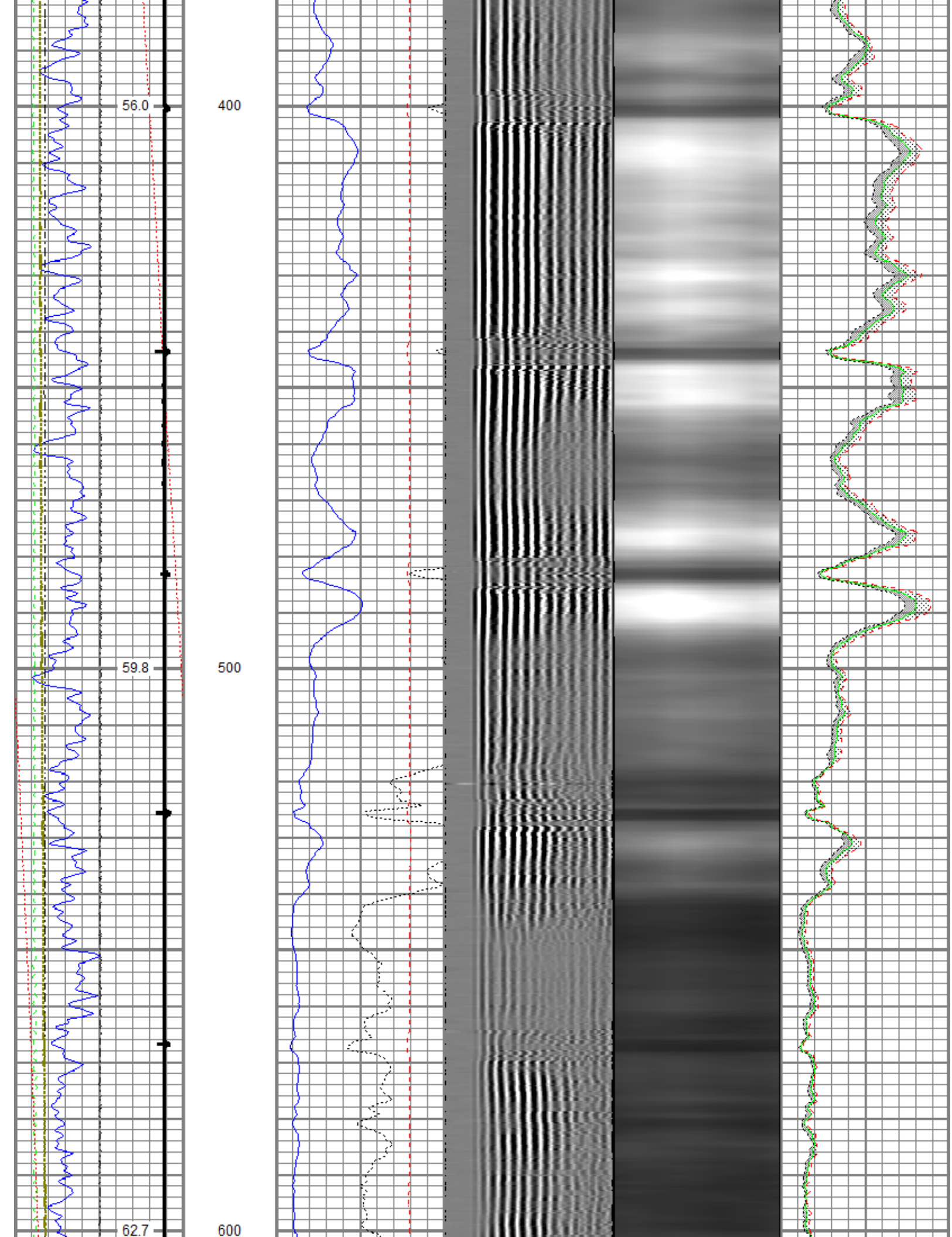
RELIANCE
OILFIELD SERVICES

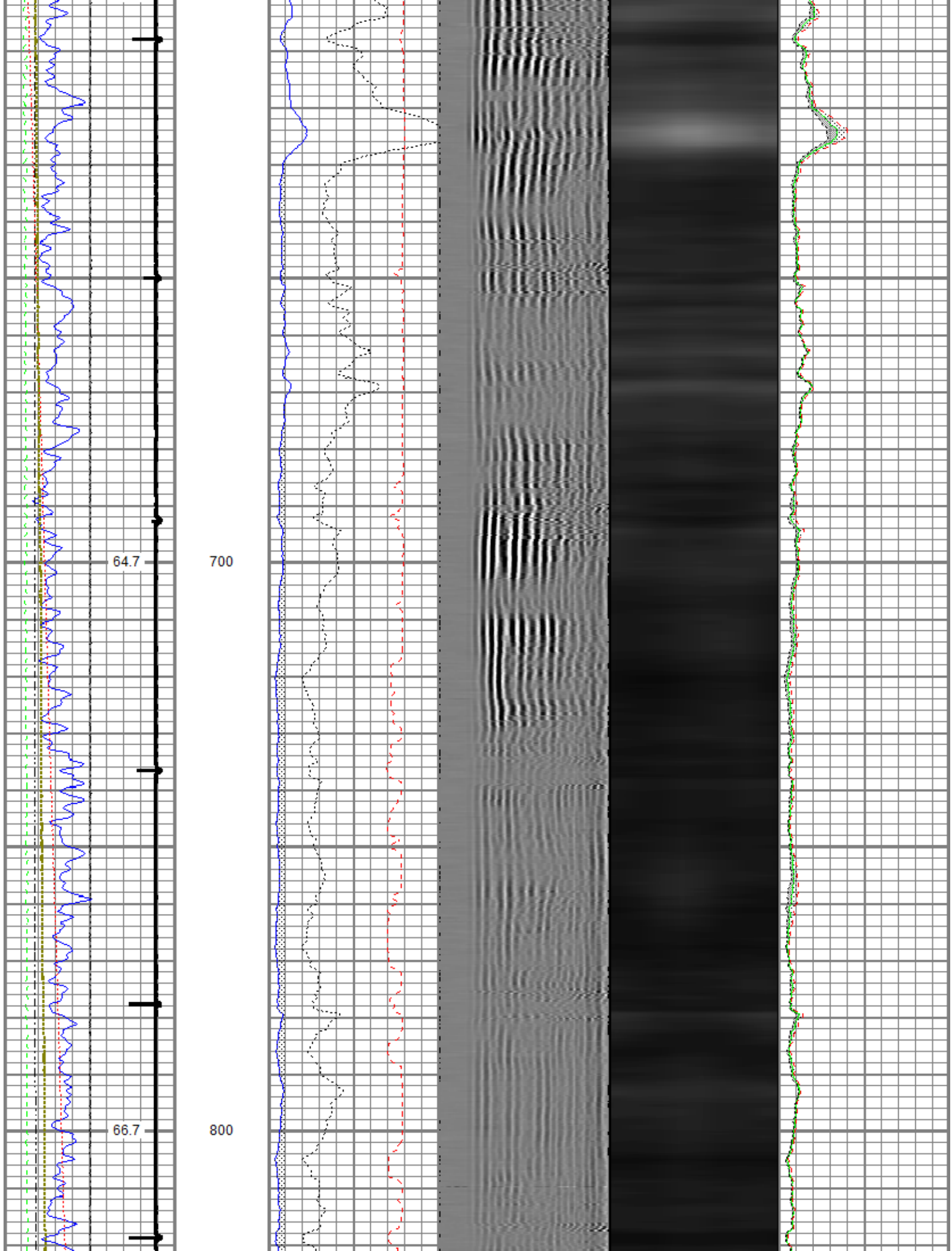
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Dataset Pathname	pass6
Presentation Format	ros_rbt_mit_sx
Dataset Creation	Fri Dec 29 08:40:14 2017
Charted by	Depth in Feet scaled 1:240

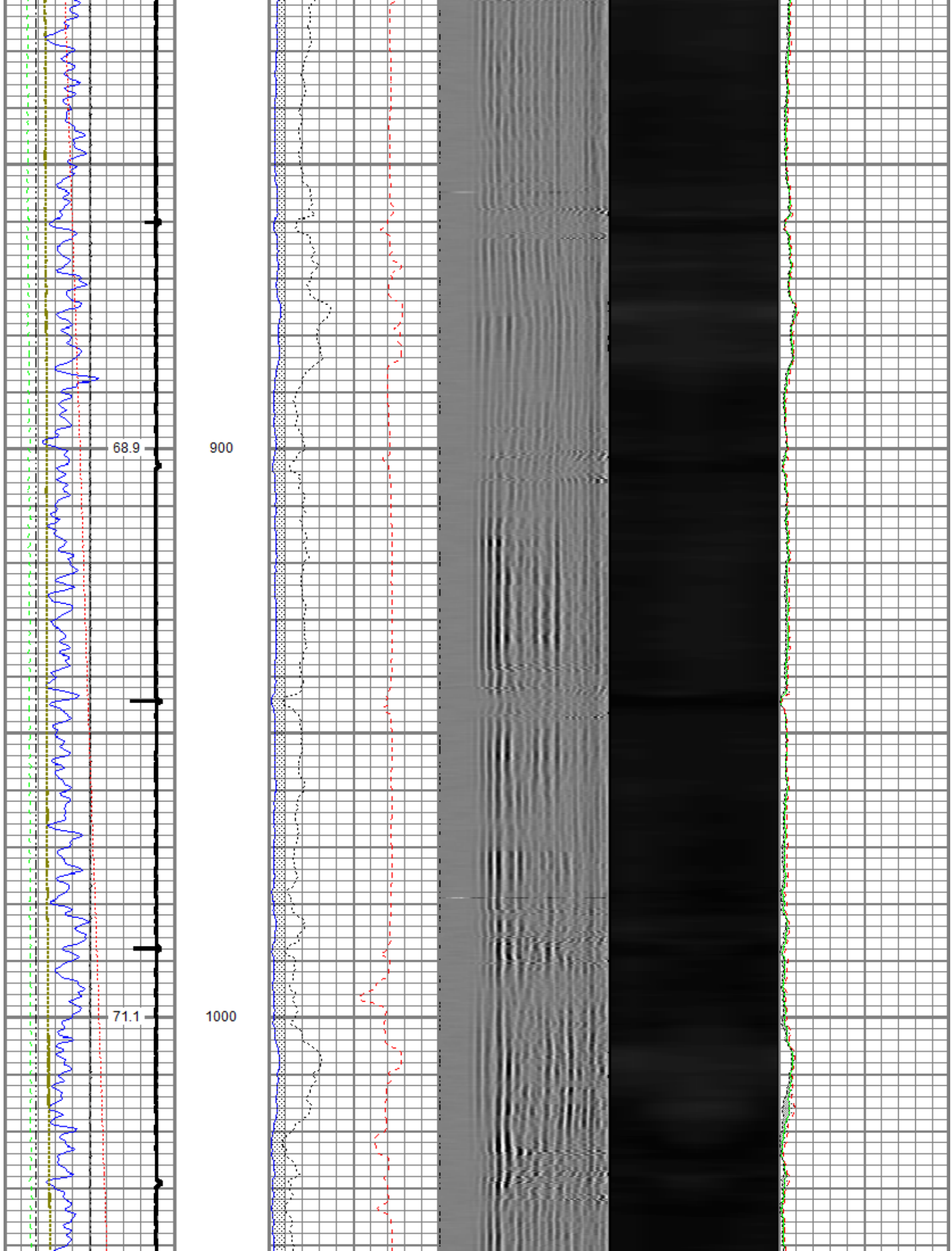
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Line Speed	0	(mV) 20			0	100
(ft/min) 100		3' Travel Time				Maximum Amplitude
Line Tension (lb) 2000	0	650 (usec) 150			0	100
Differential Temperature						
(degF) 2						
Temperature (degF) 20						
Casing Collar Locator						
Deviation (deg) 90						

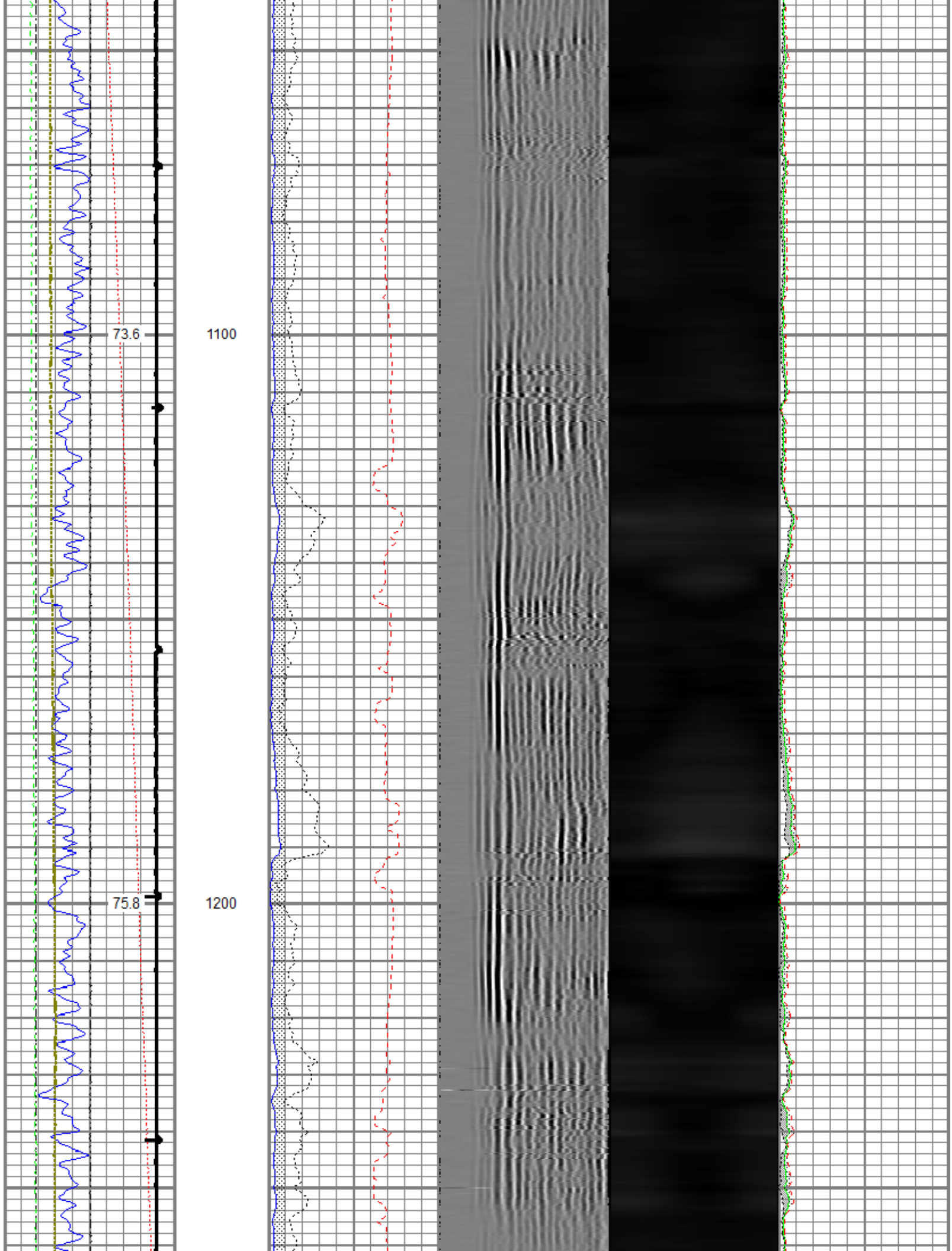


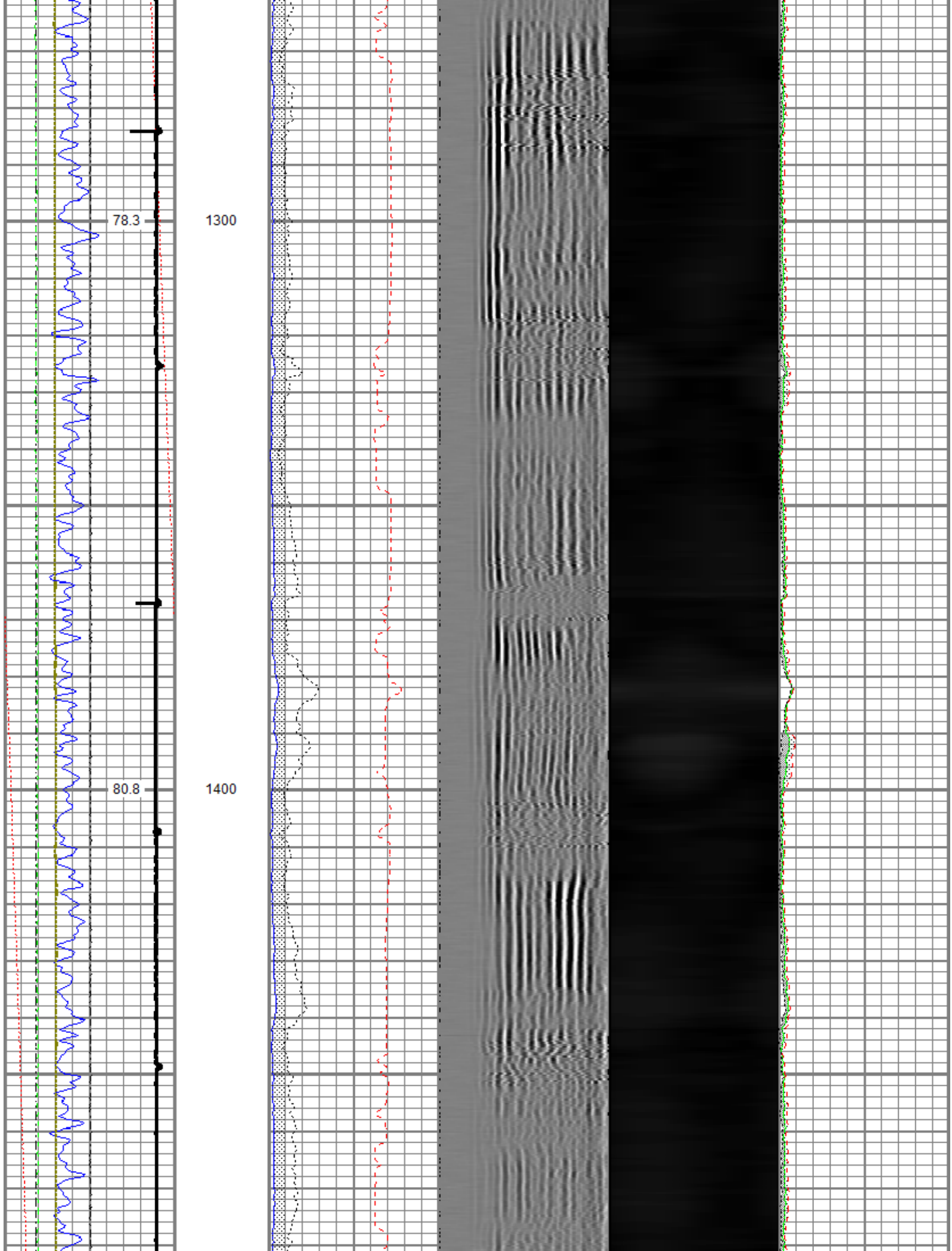


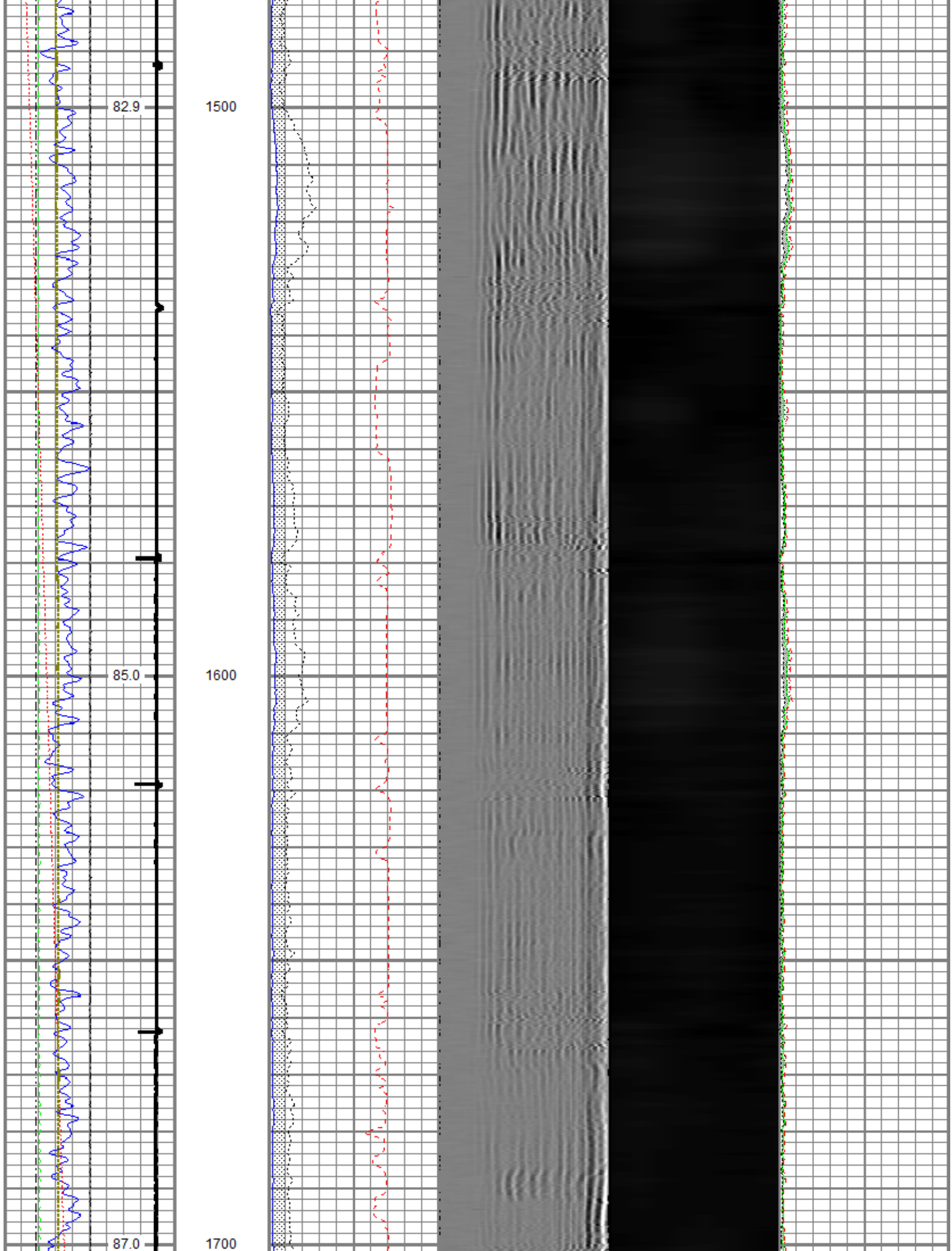


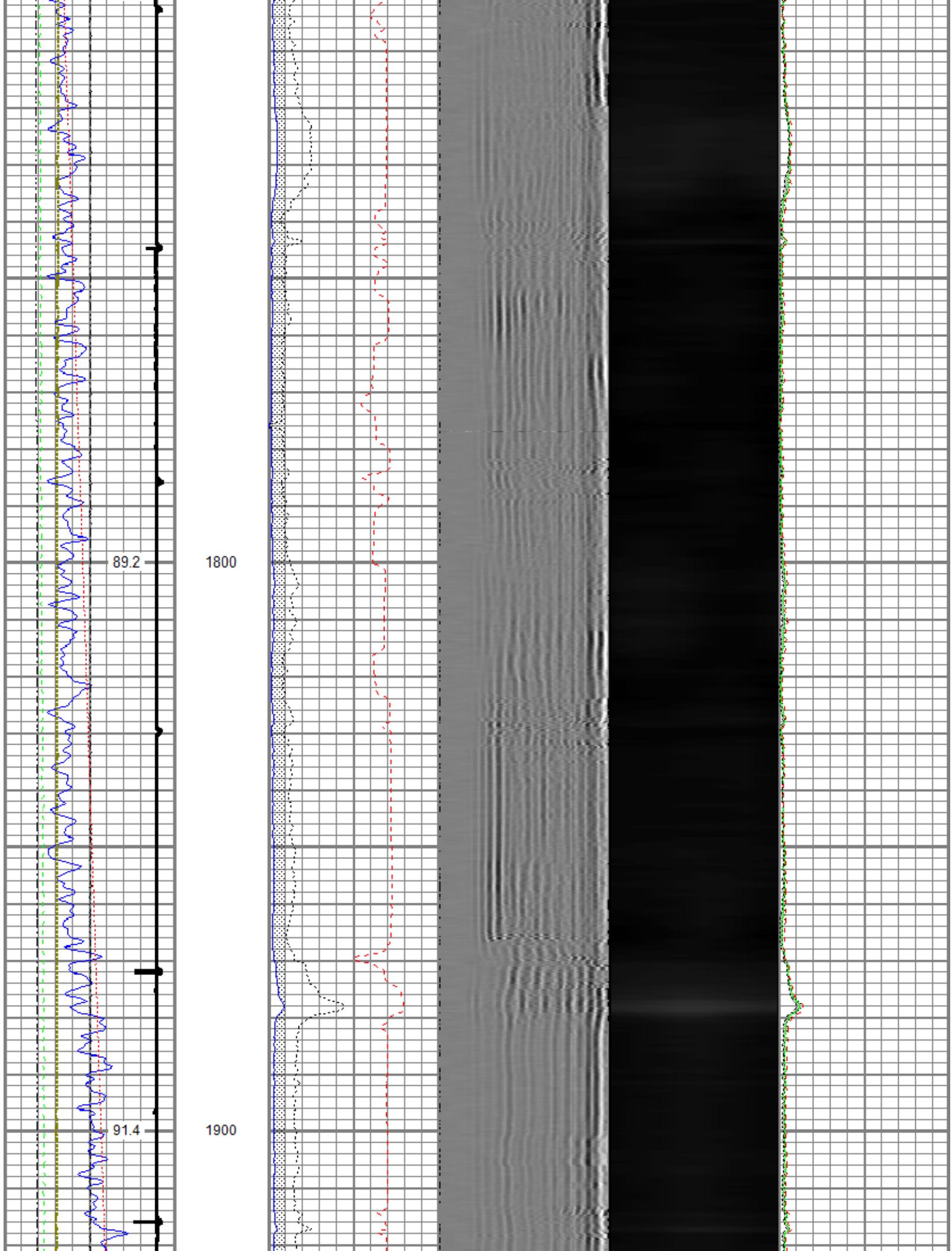


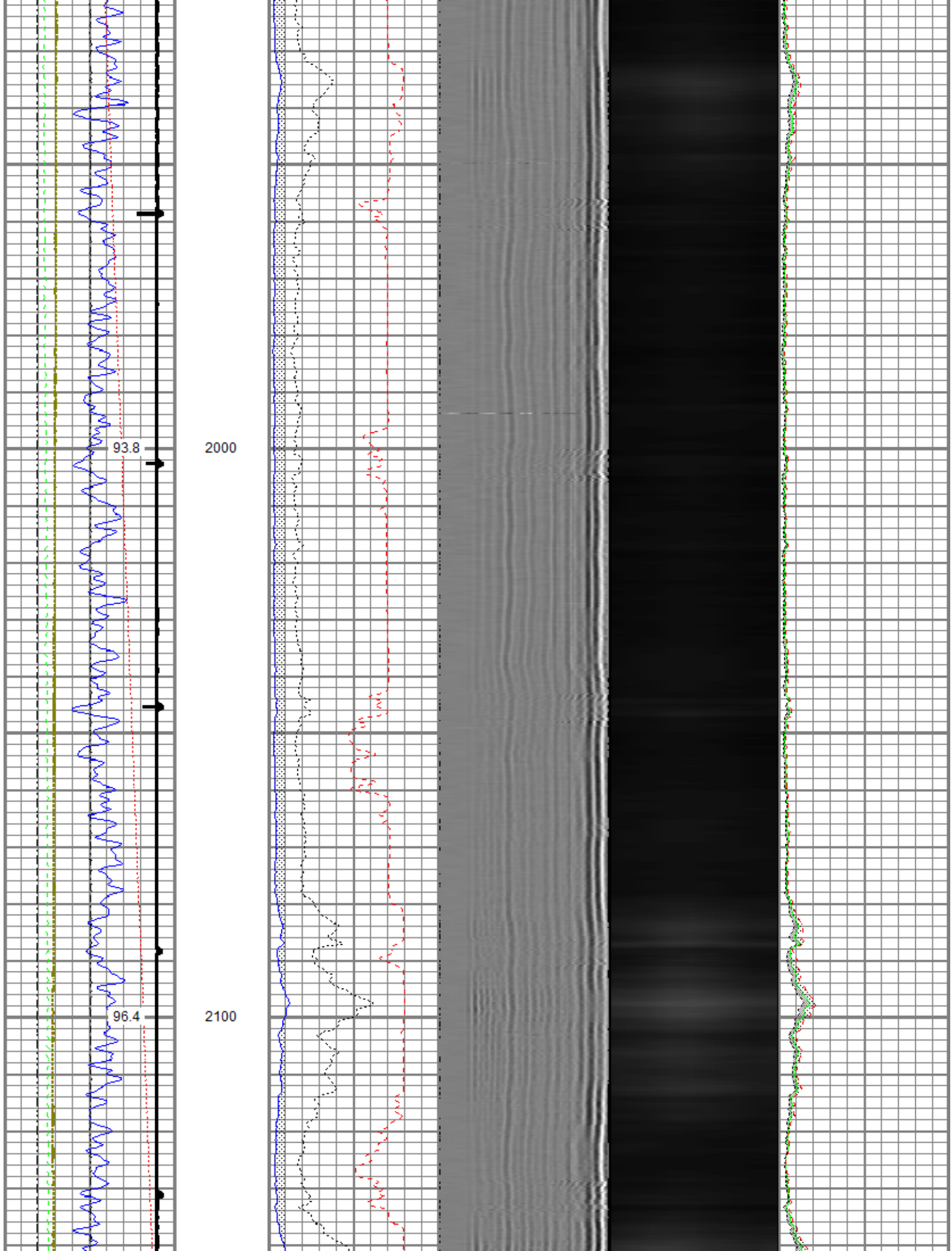


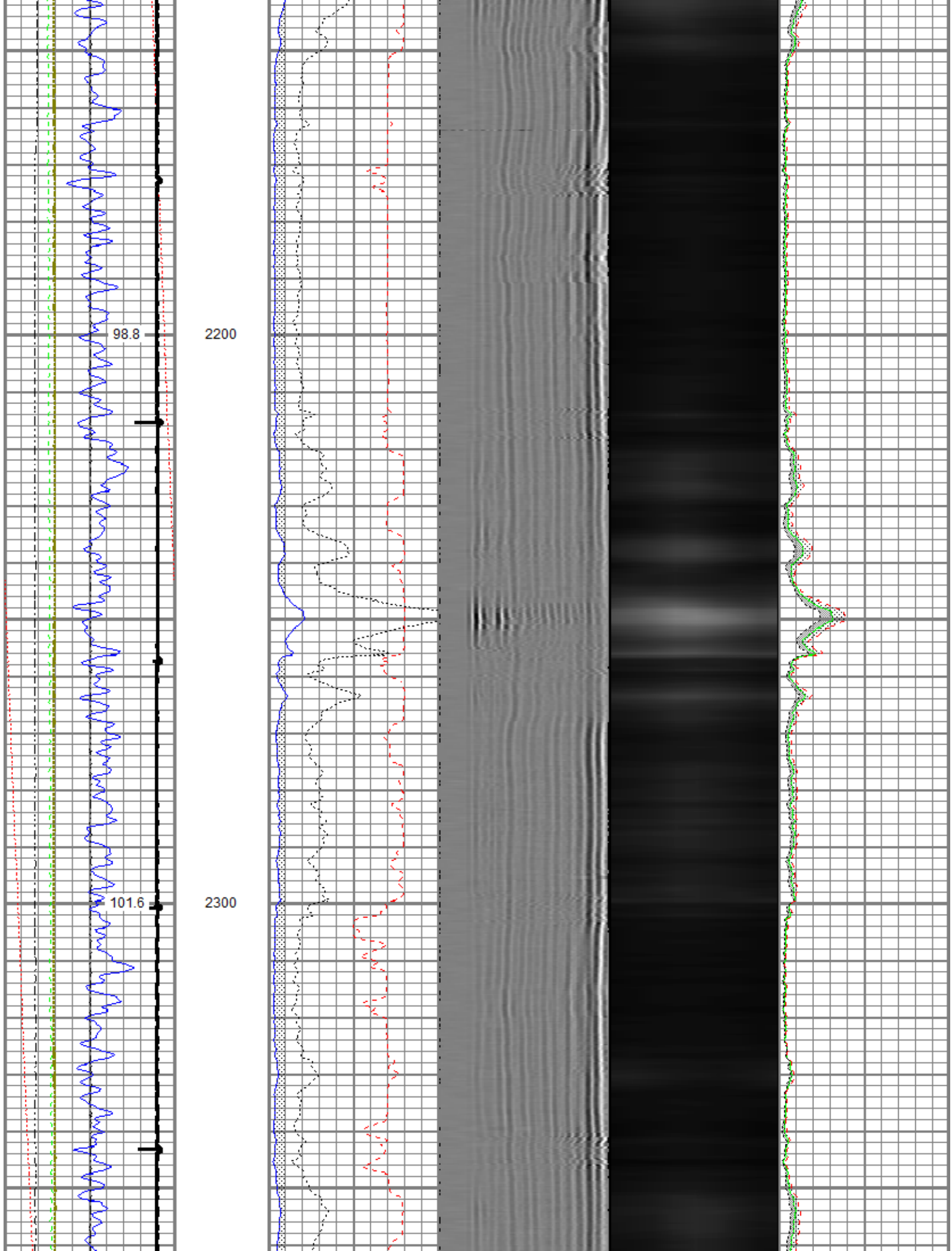


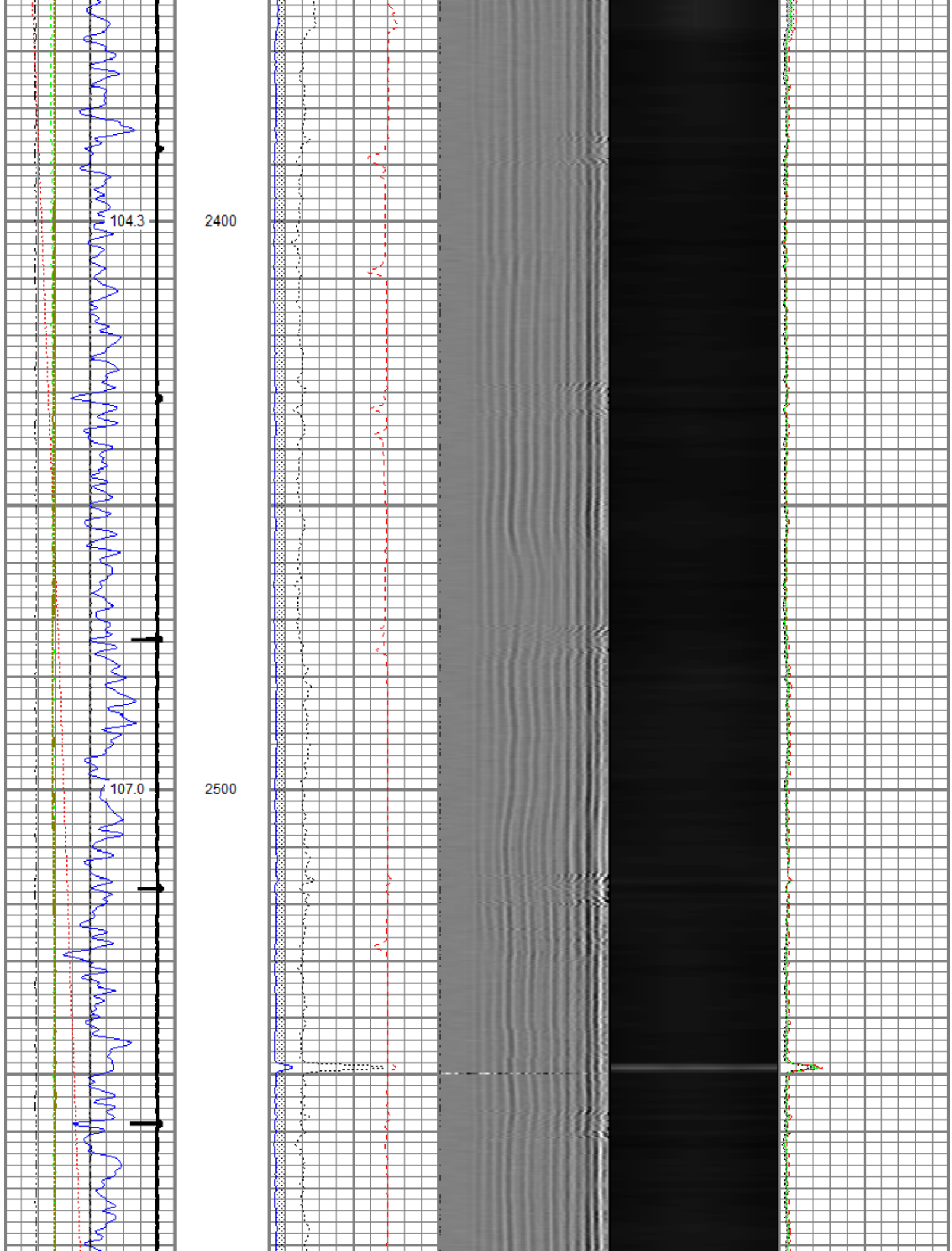


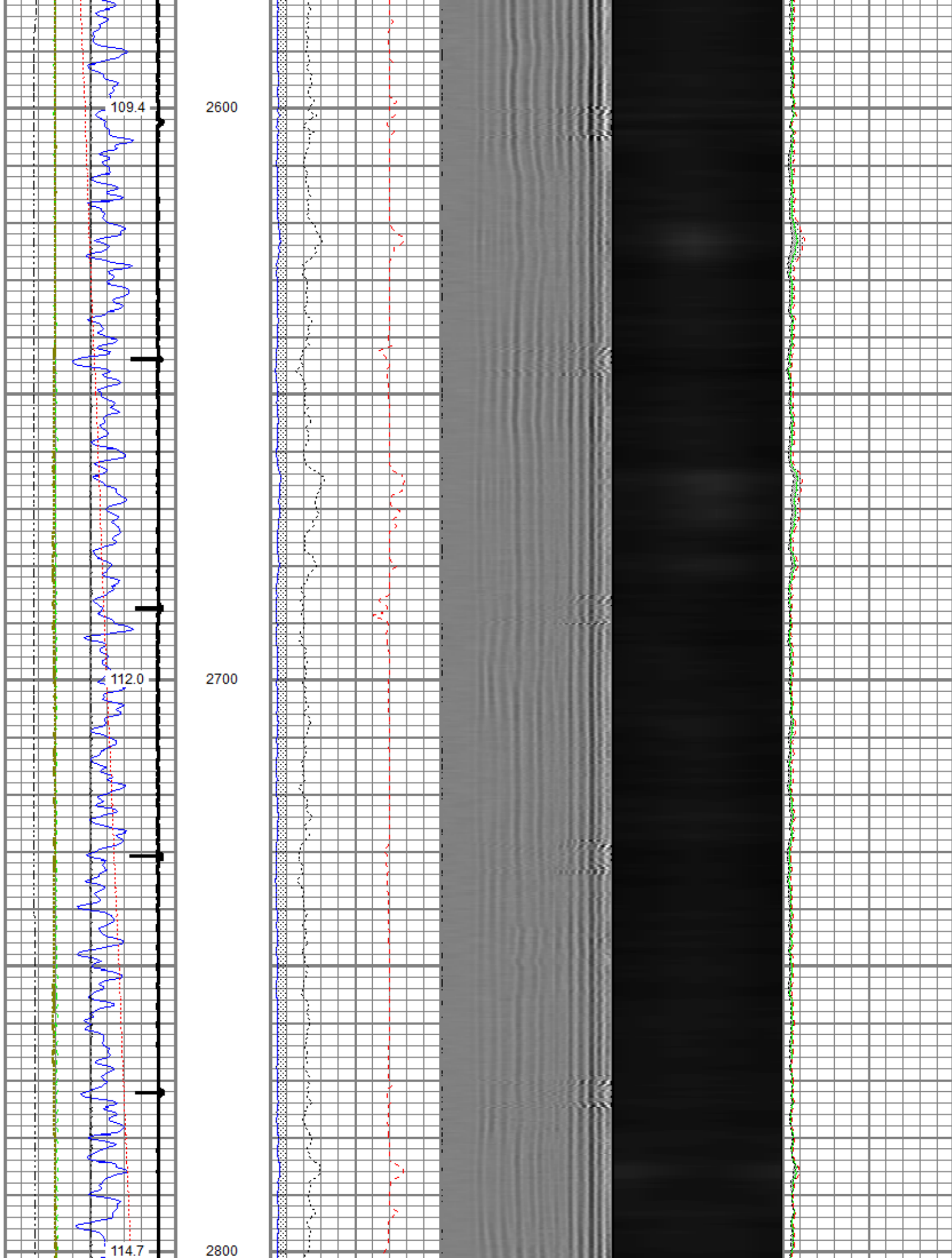


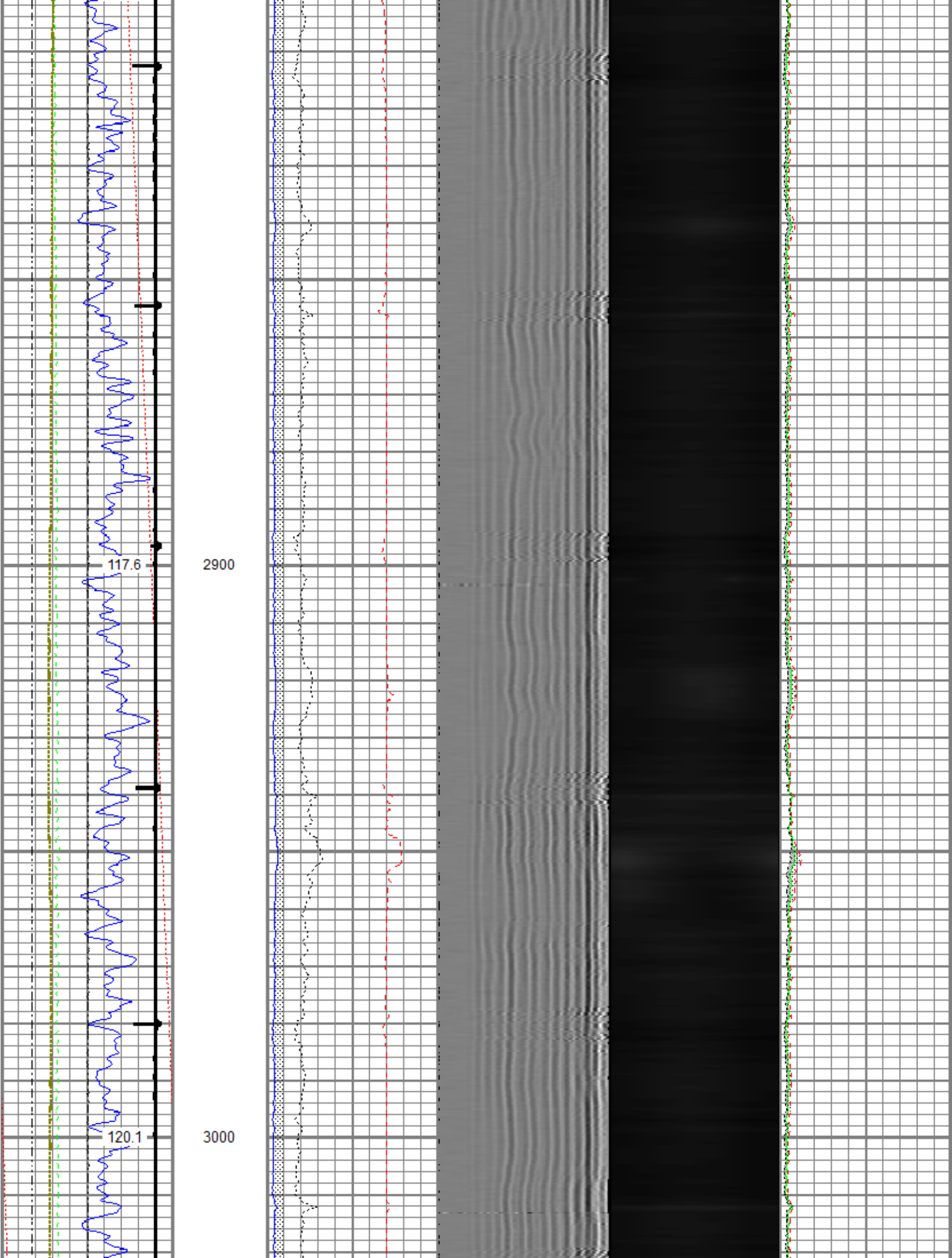


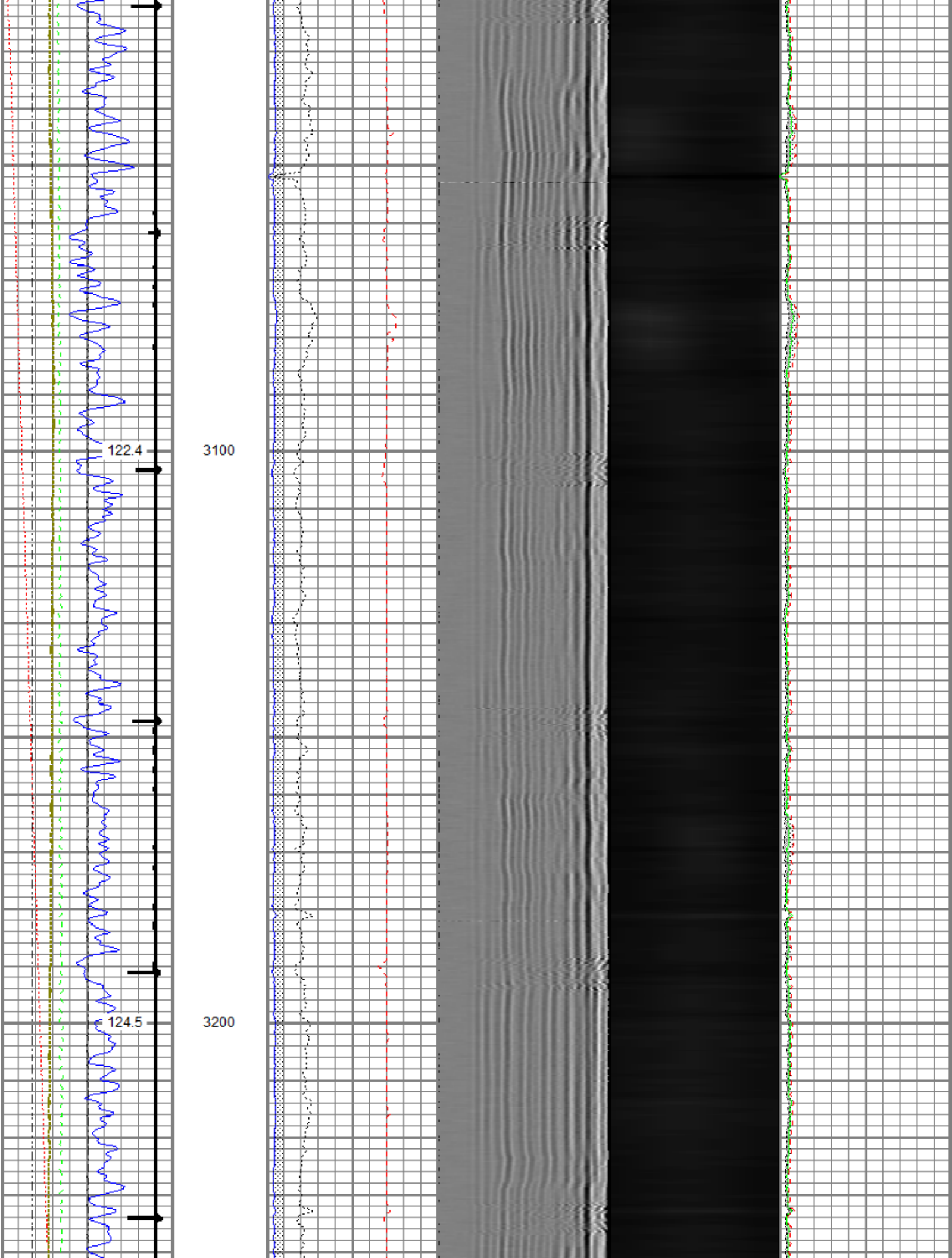


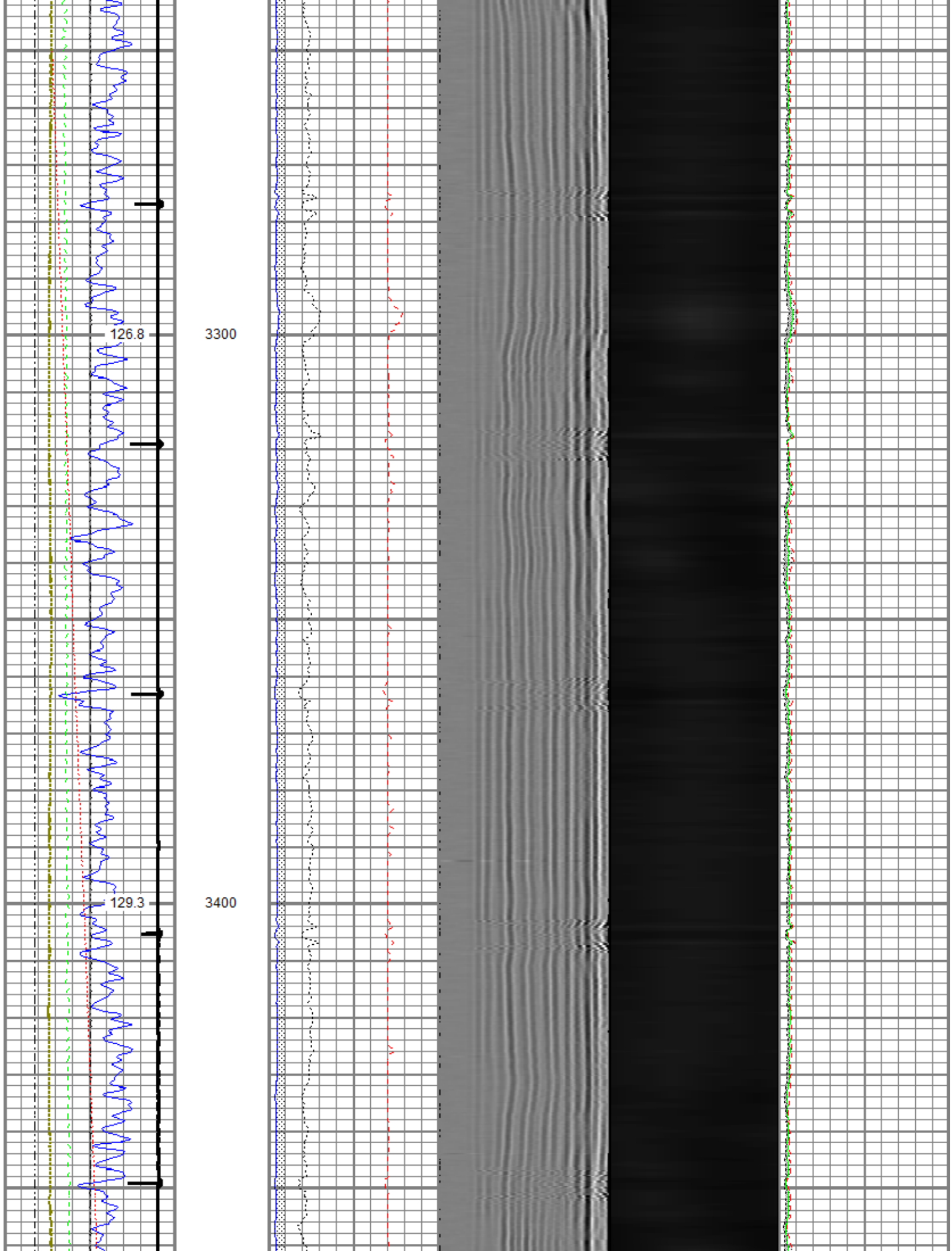


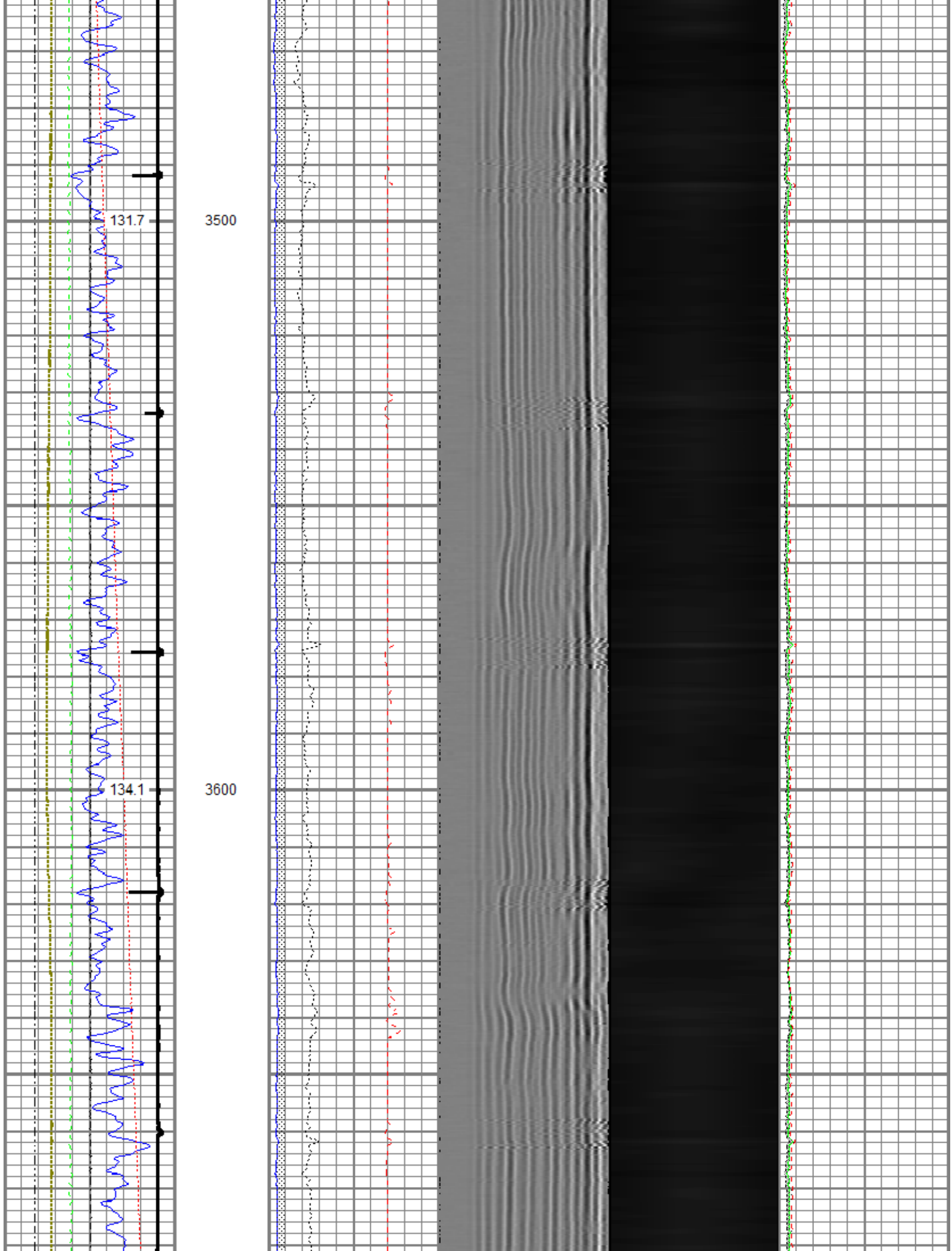


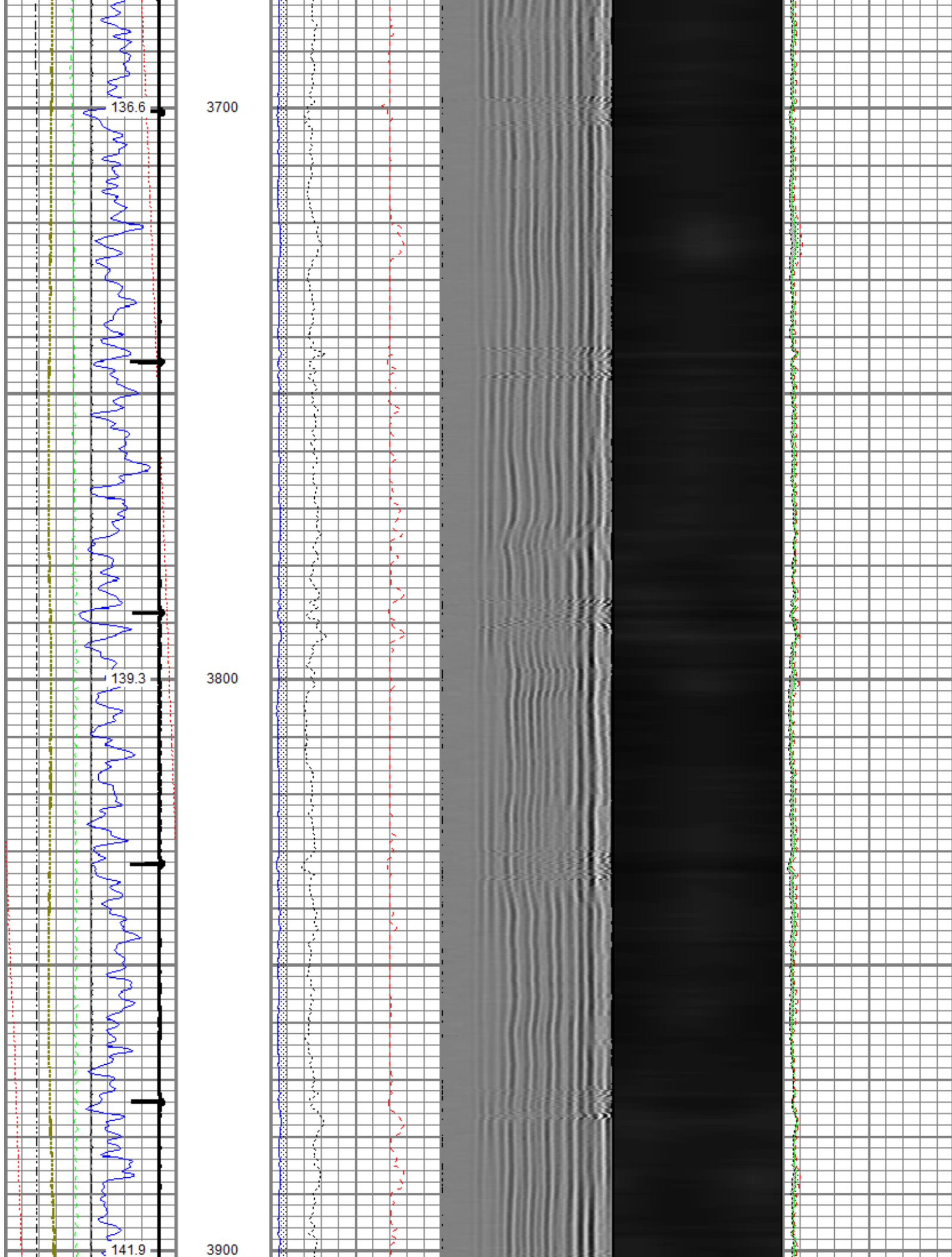


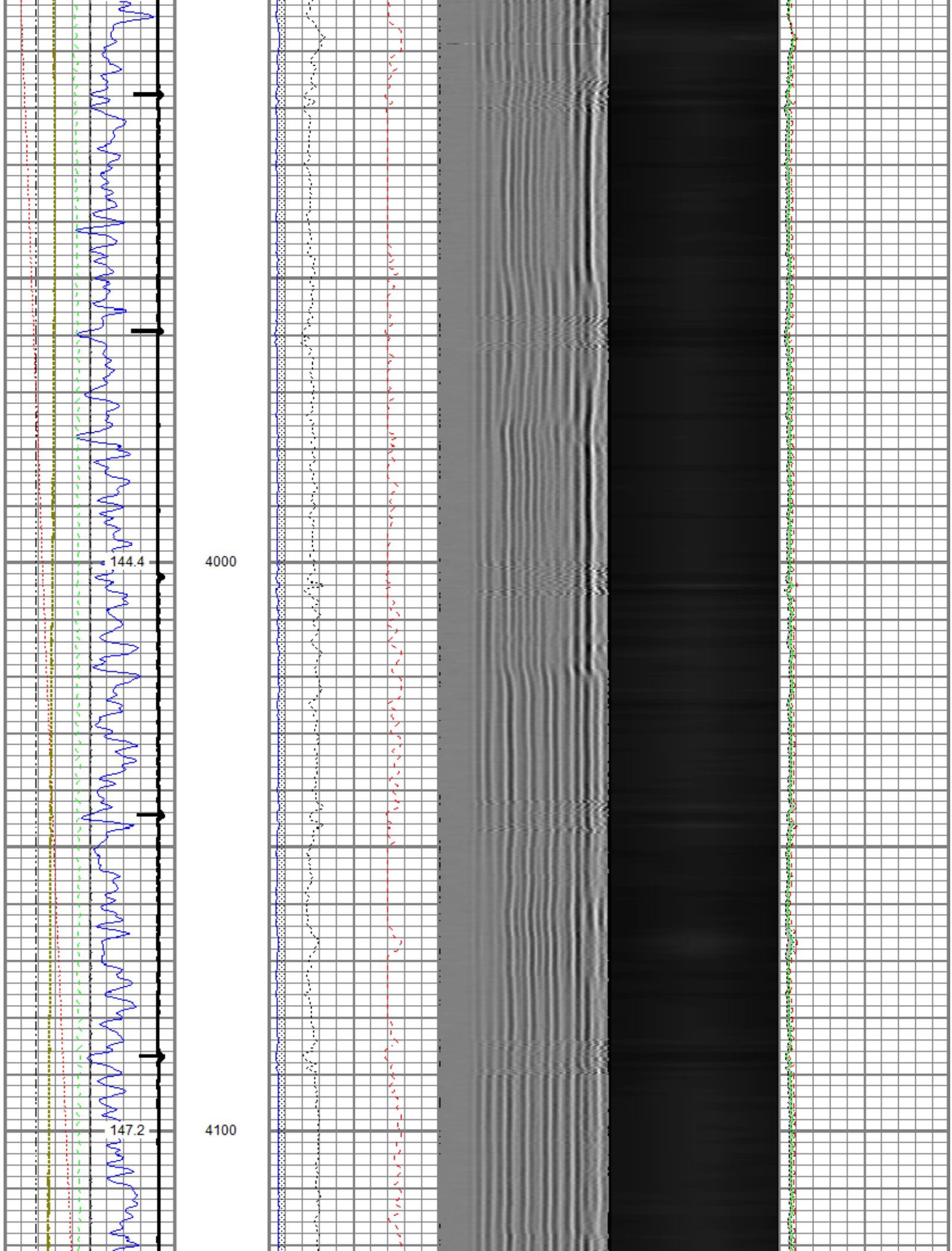


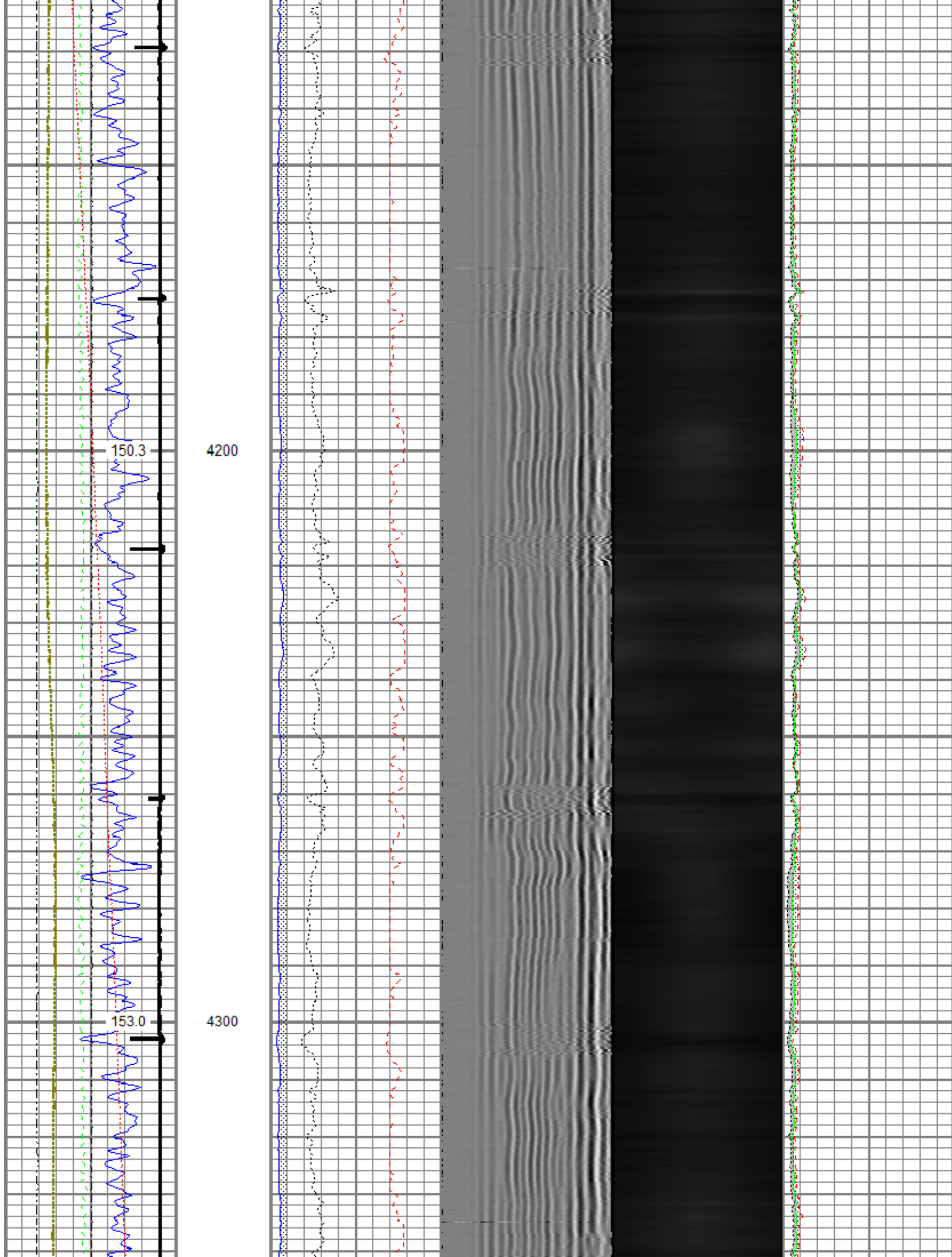


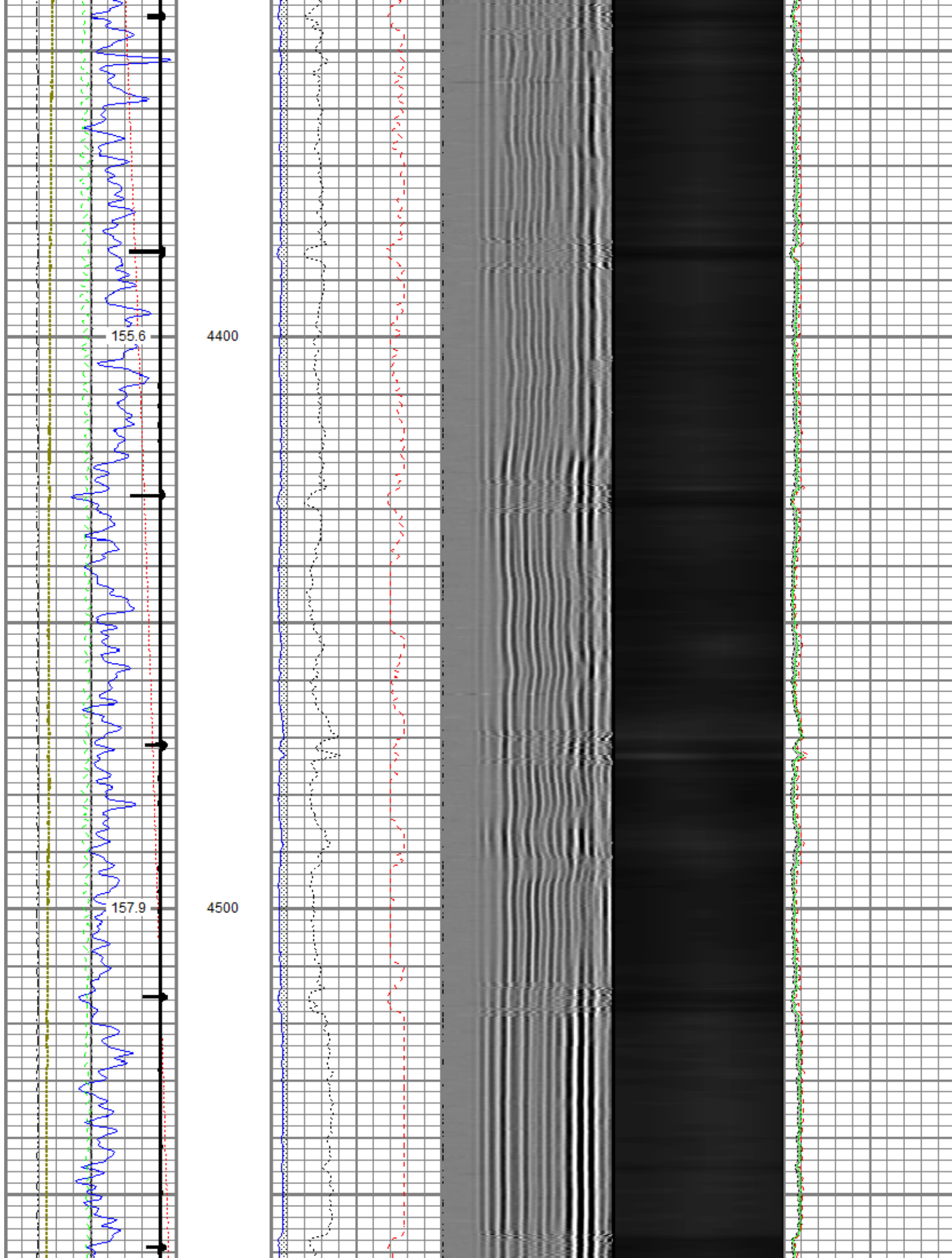


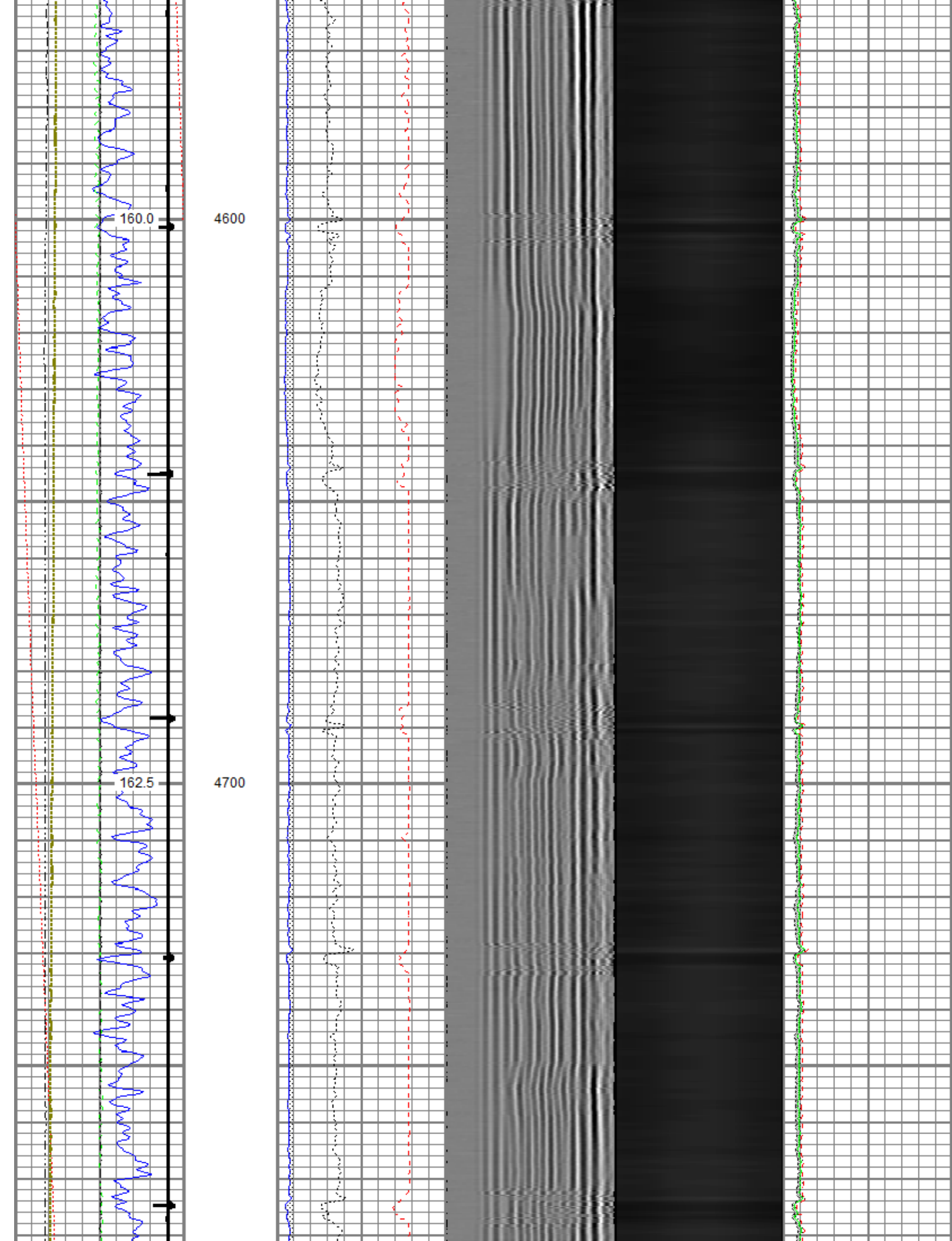


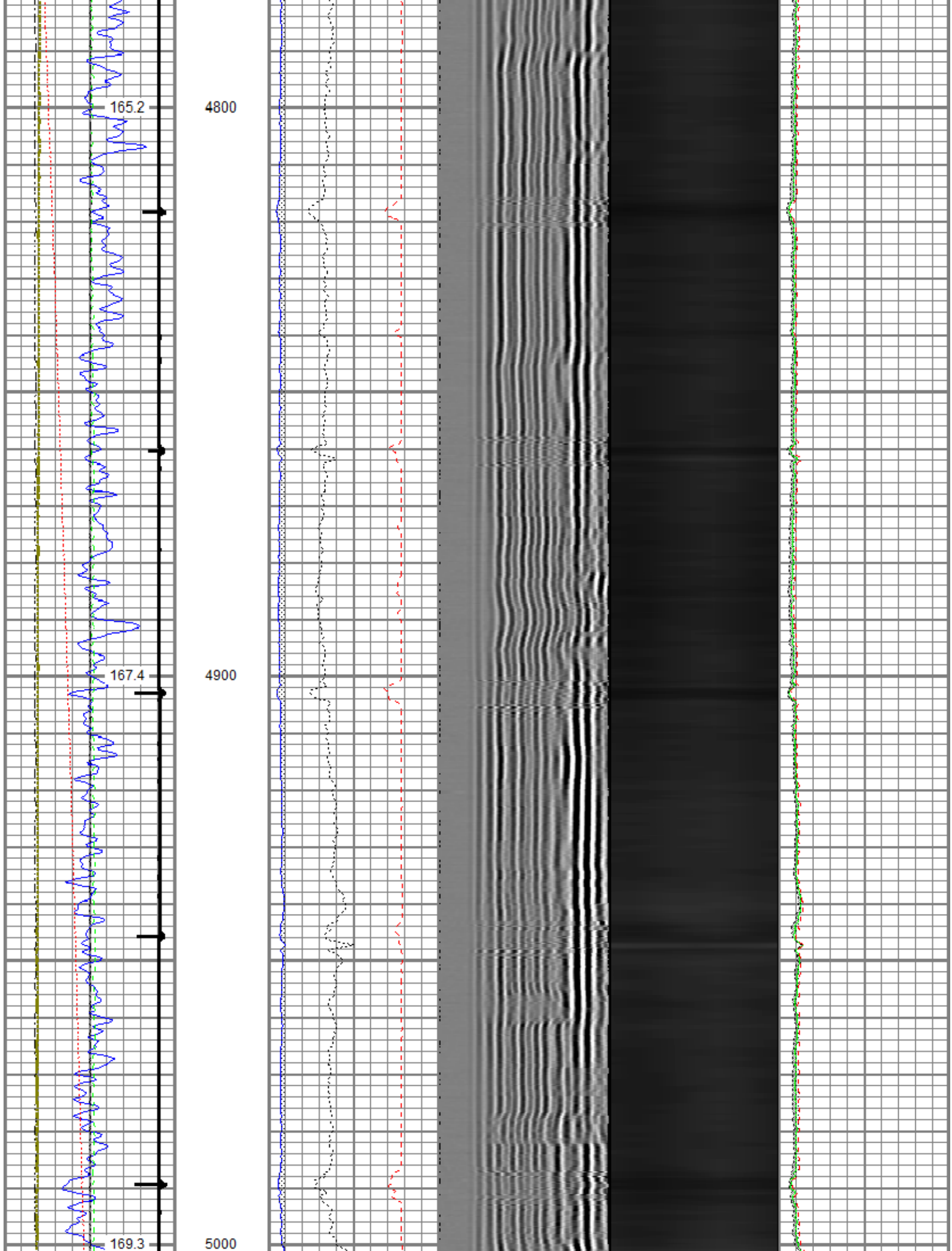


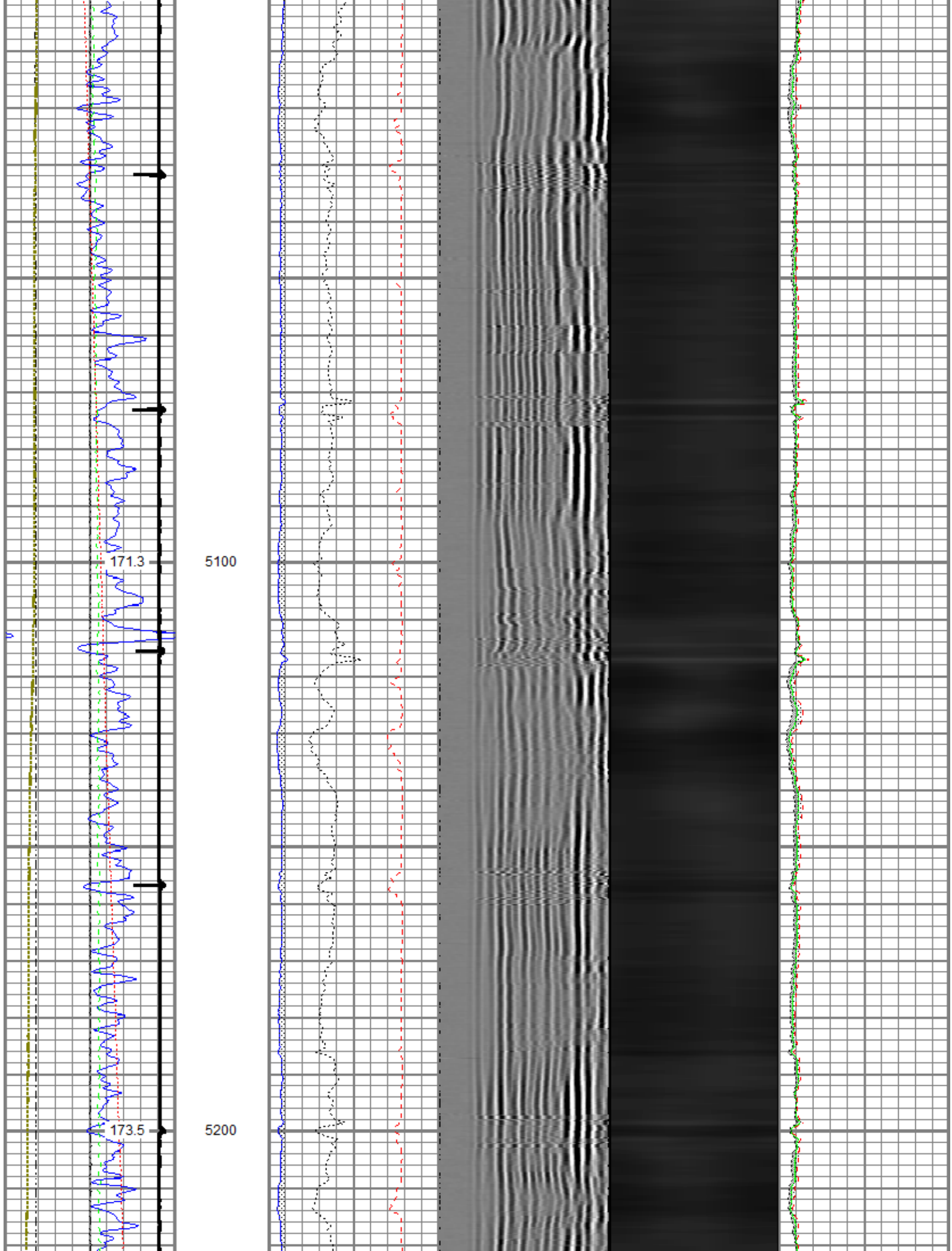


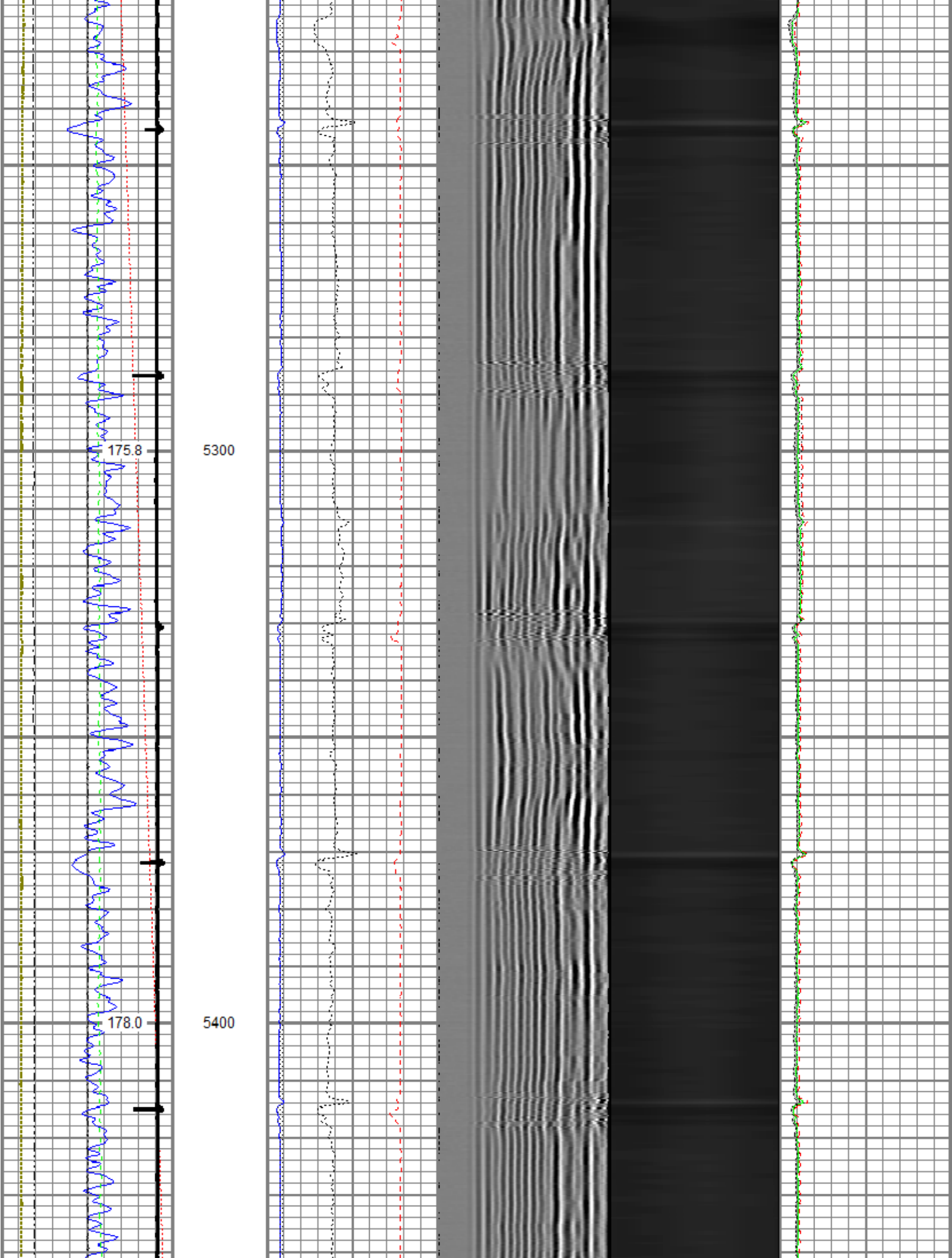


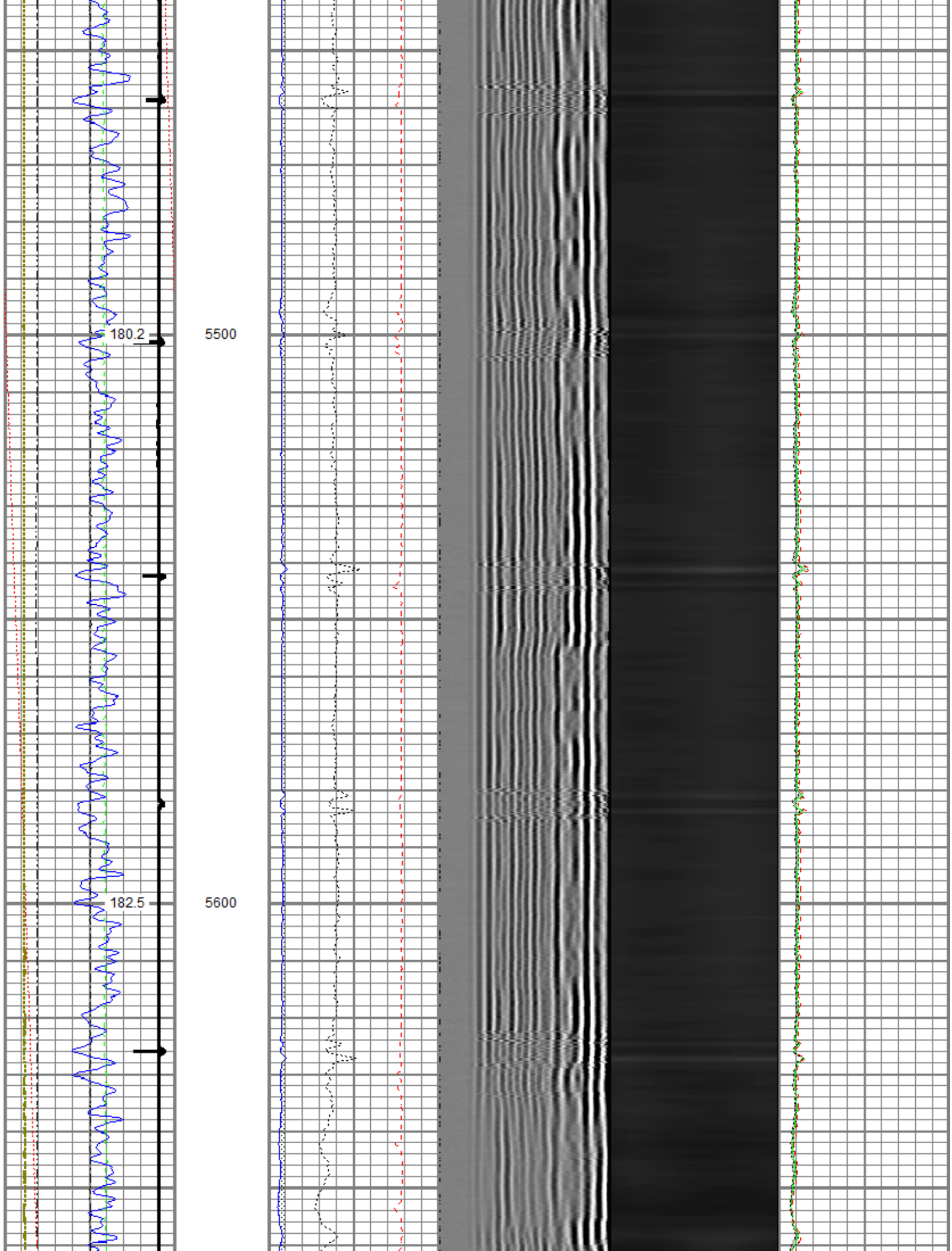


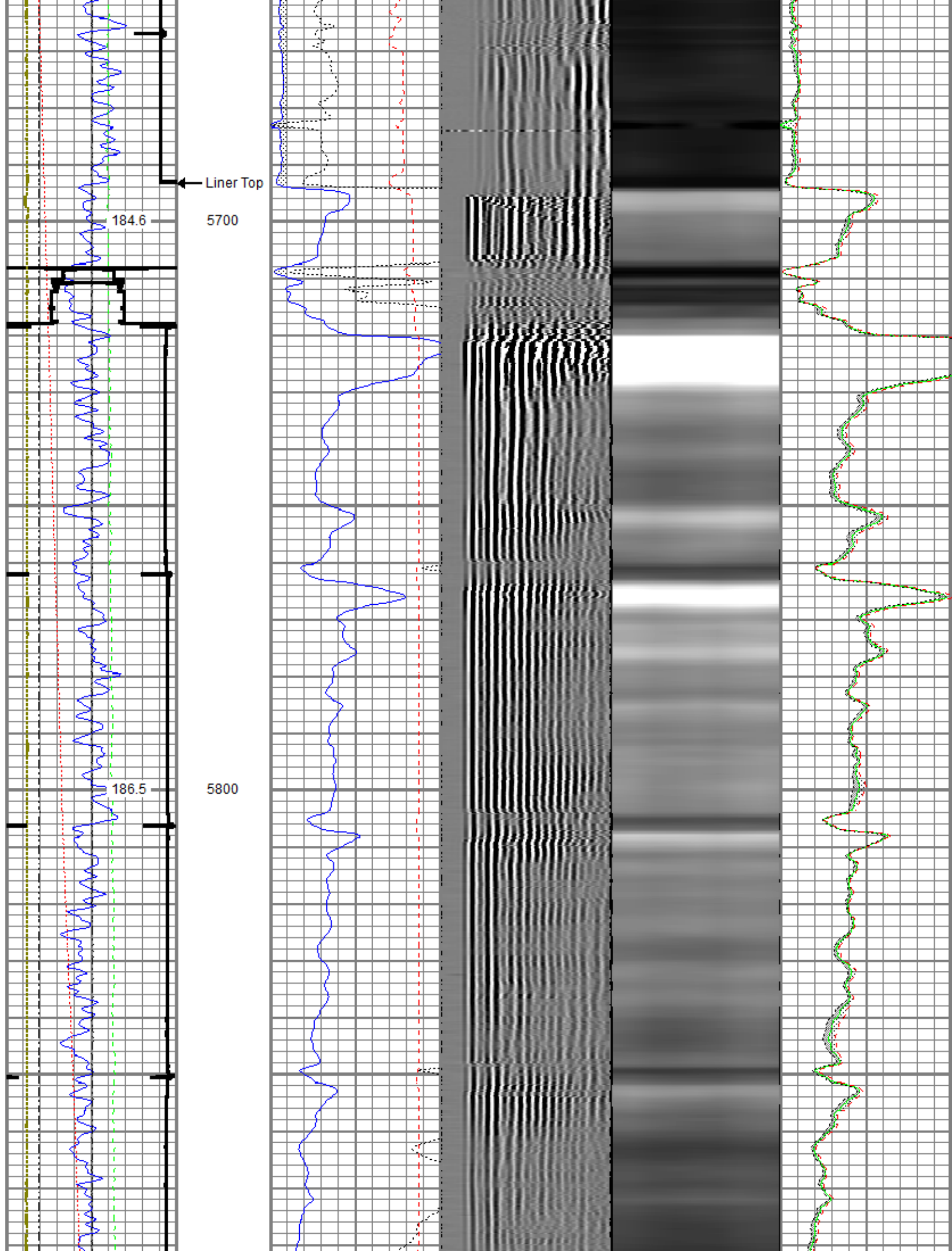


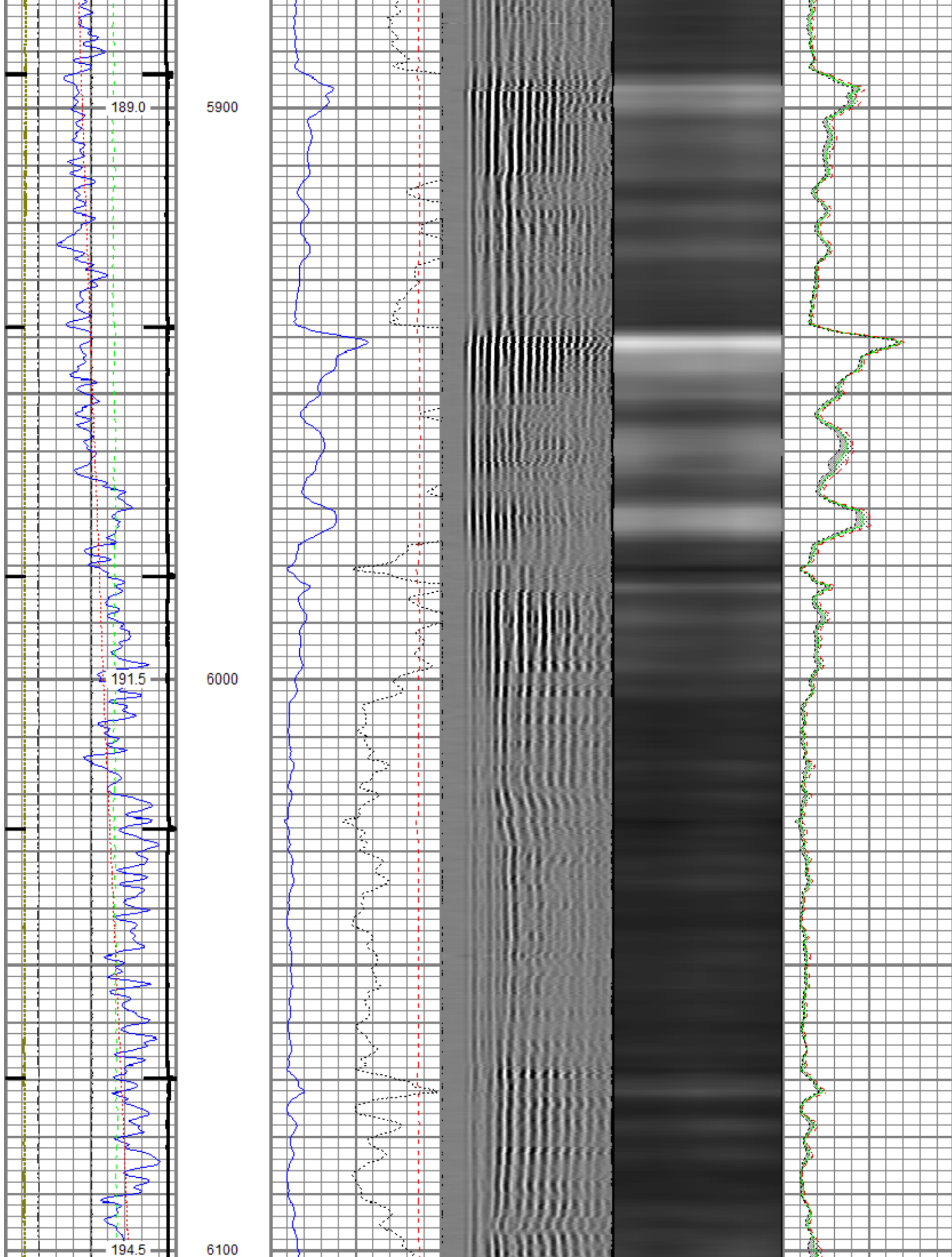


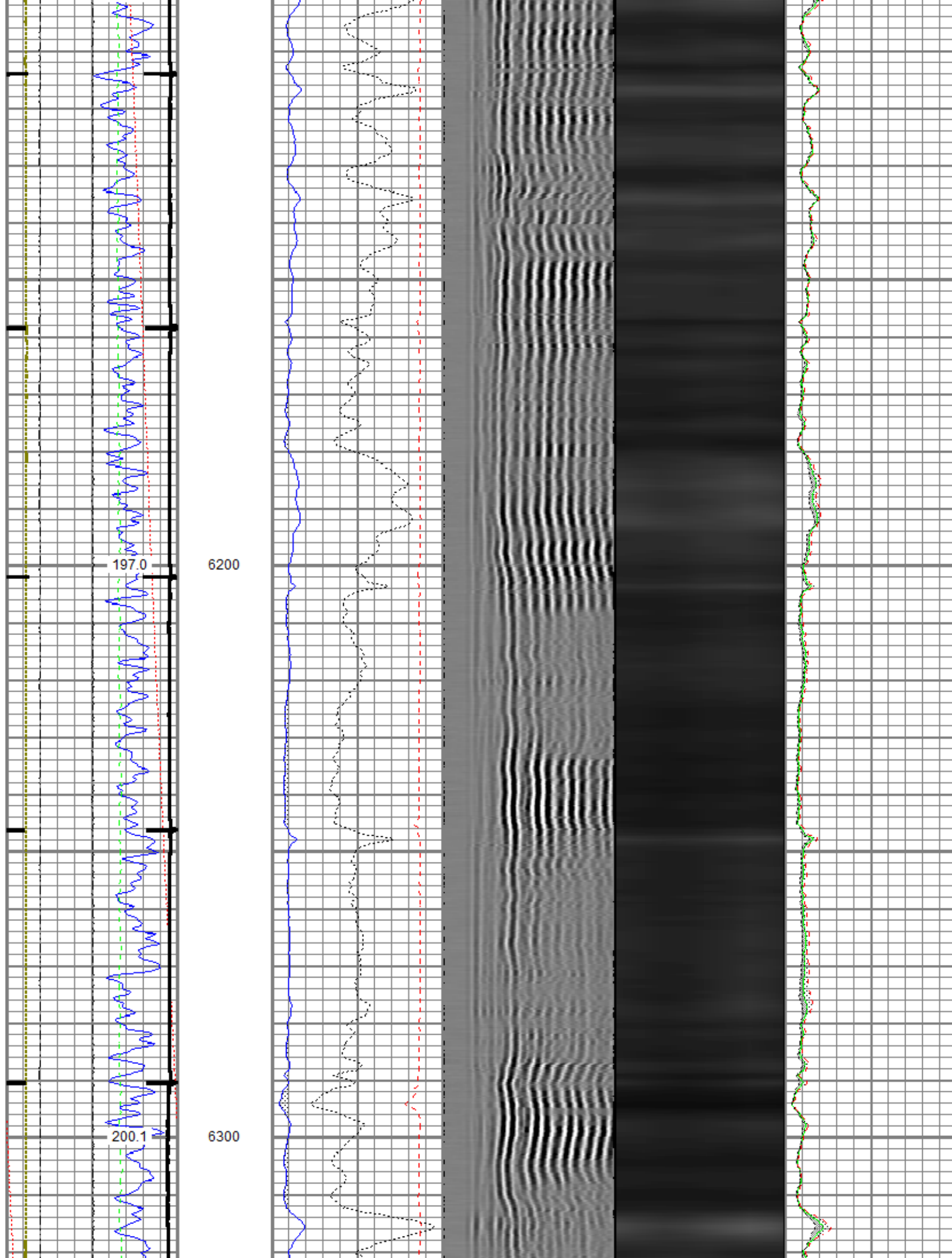


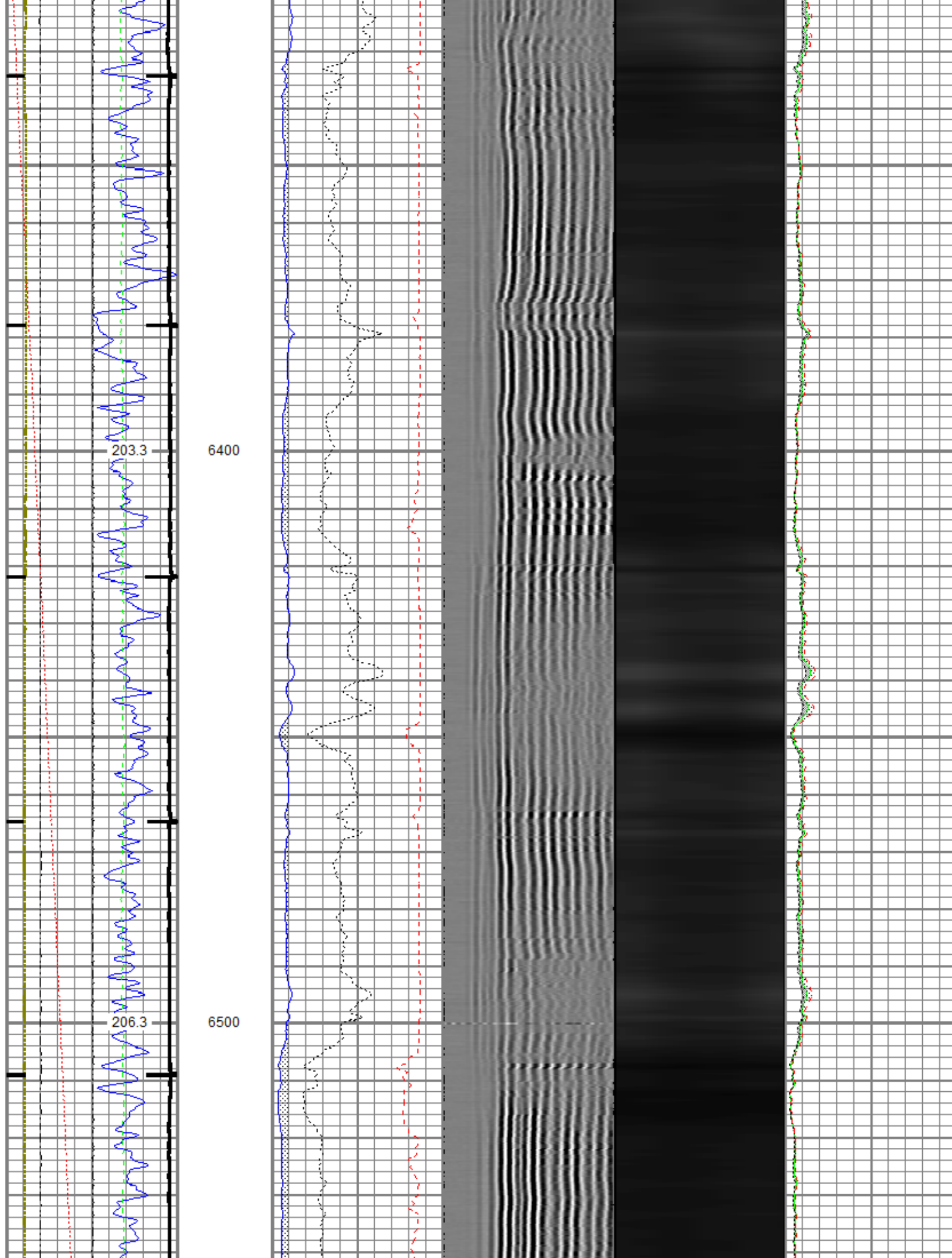


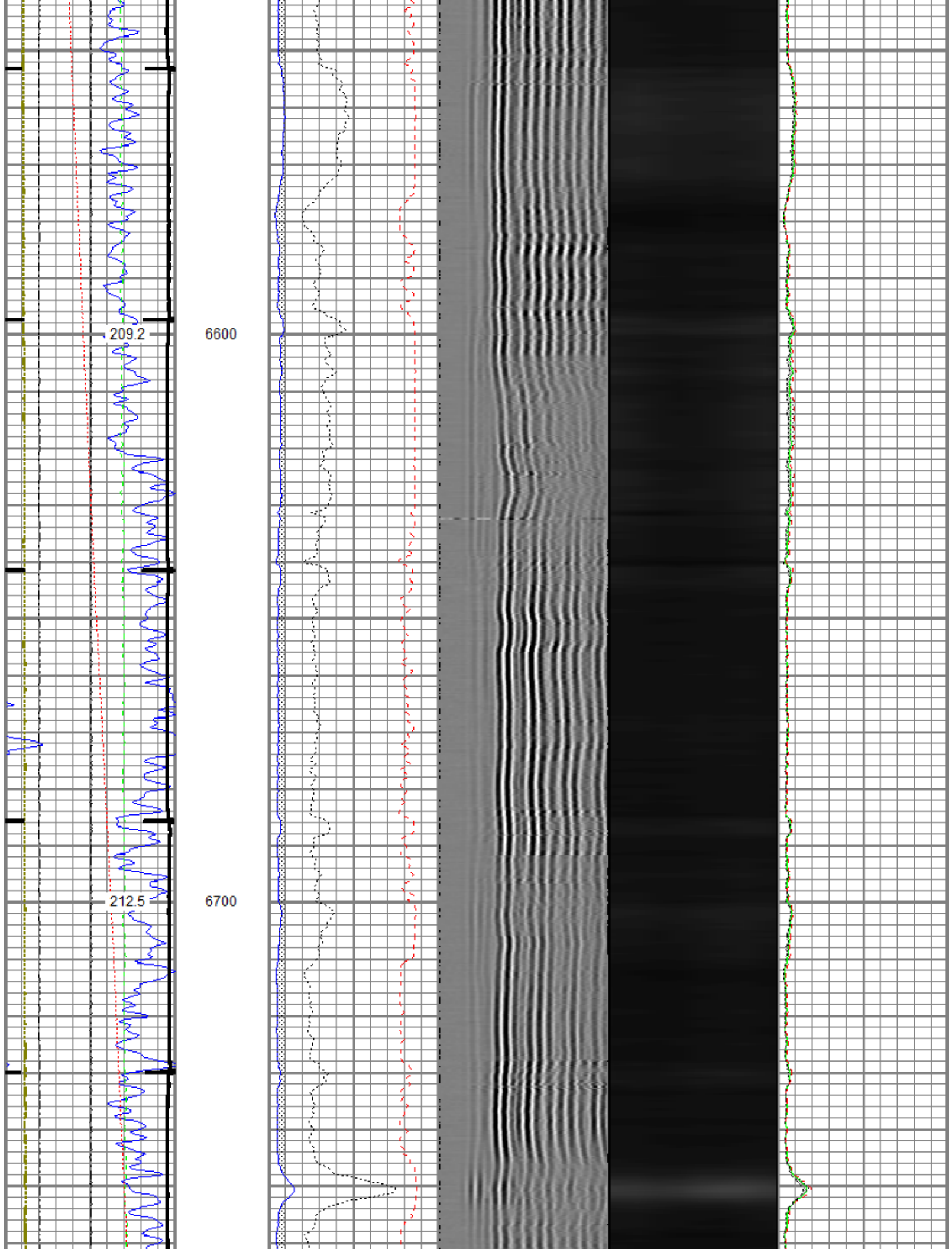


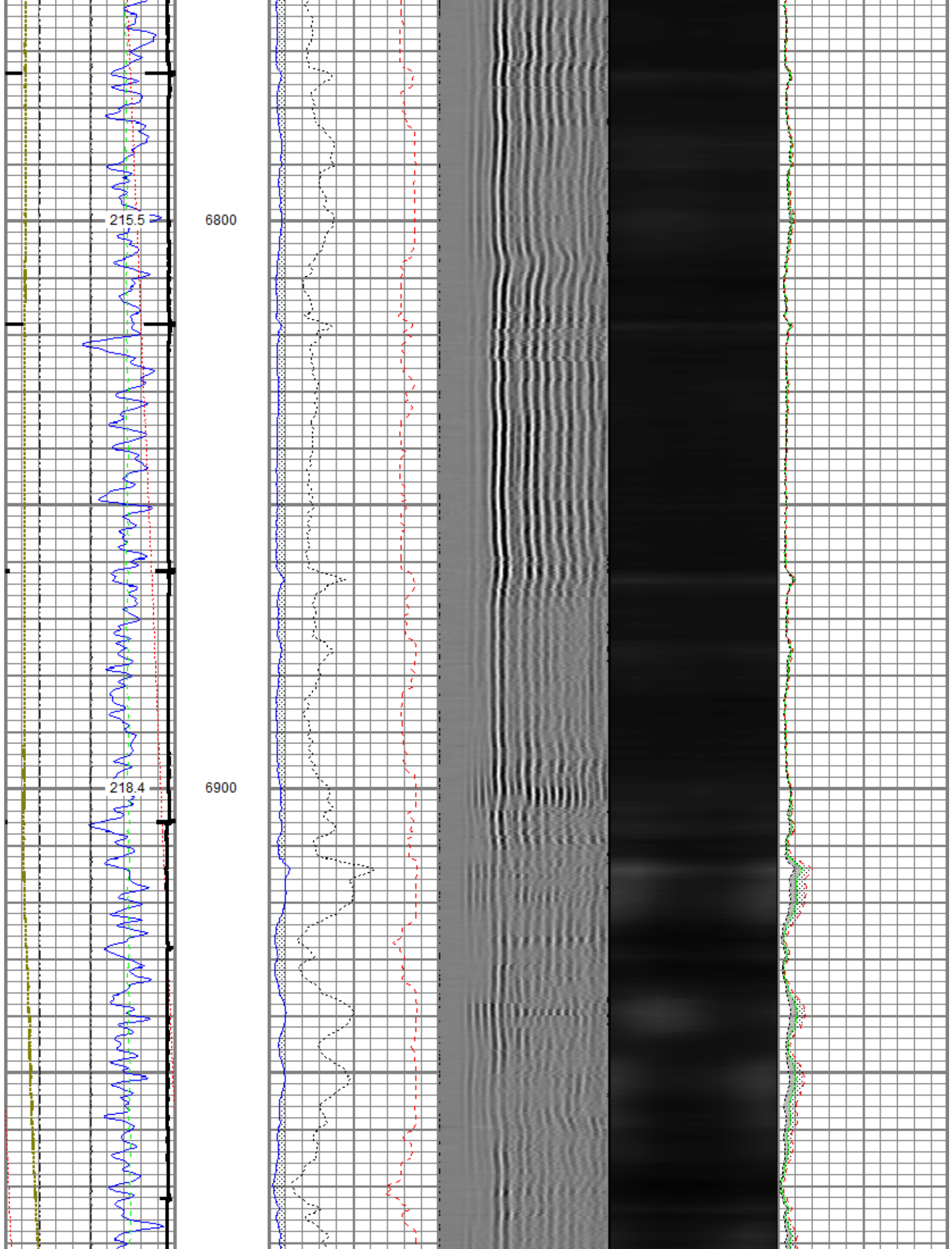


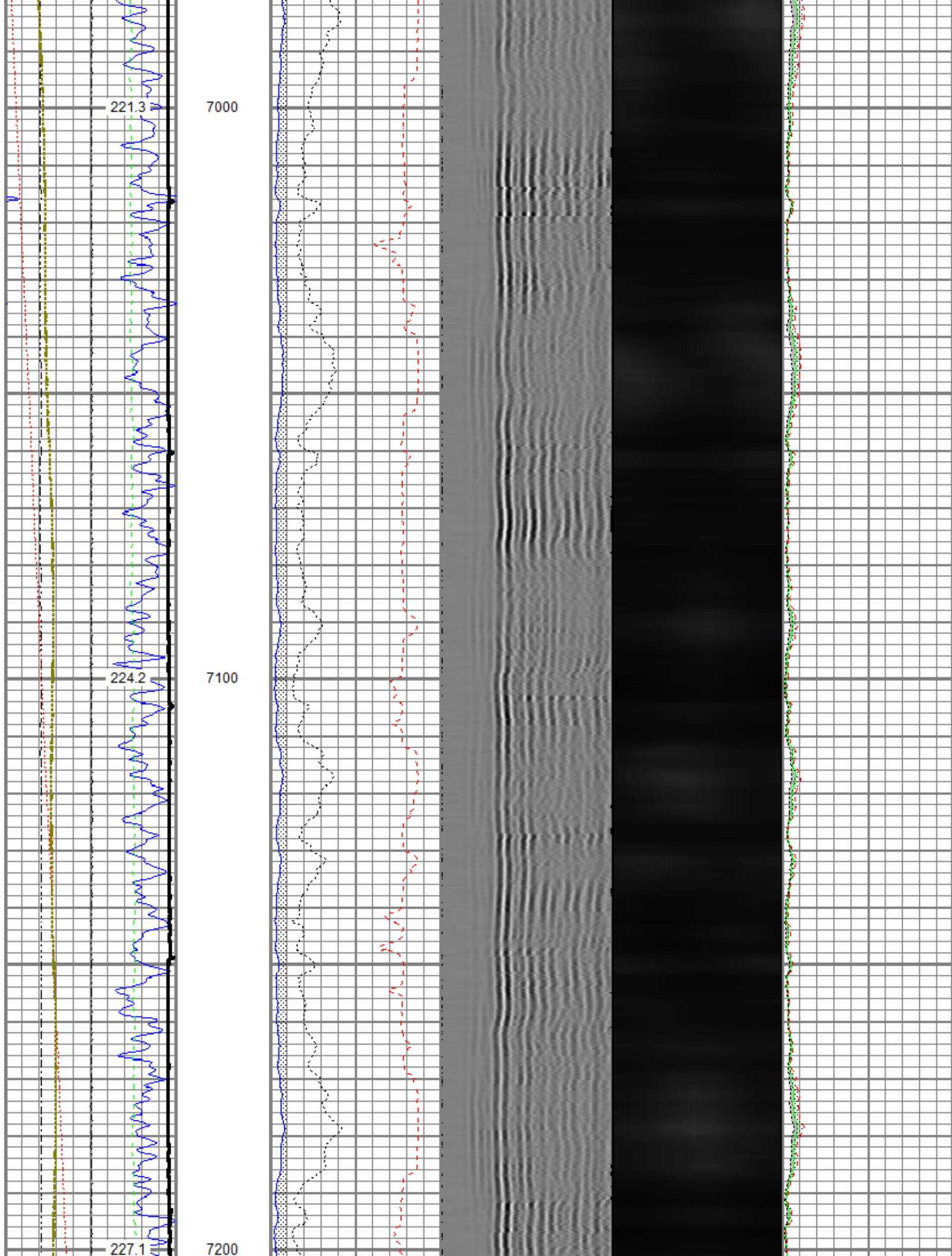


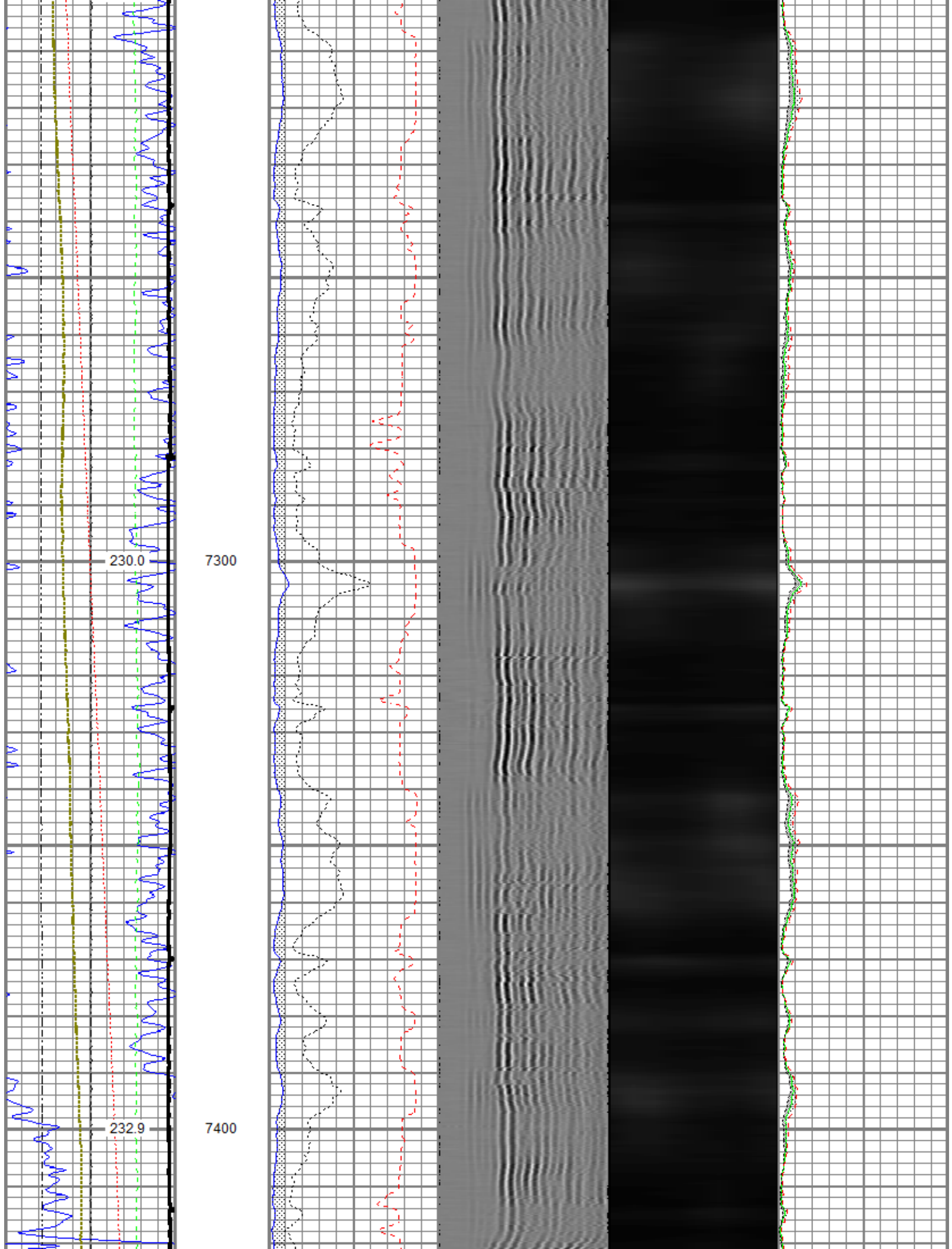


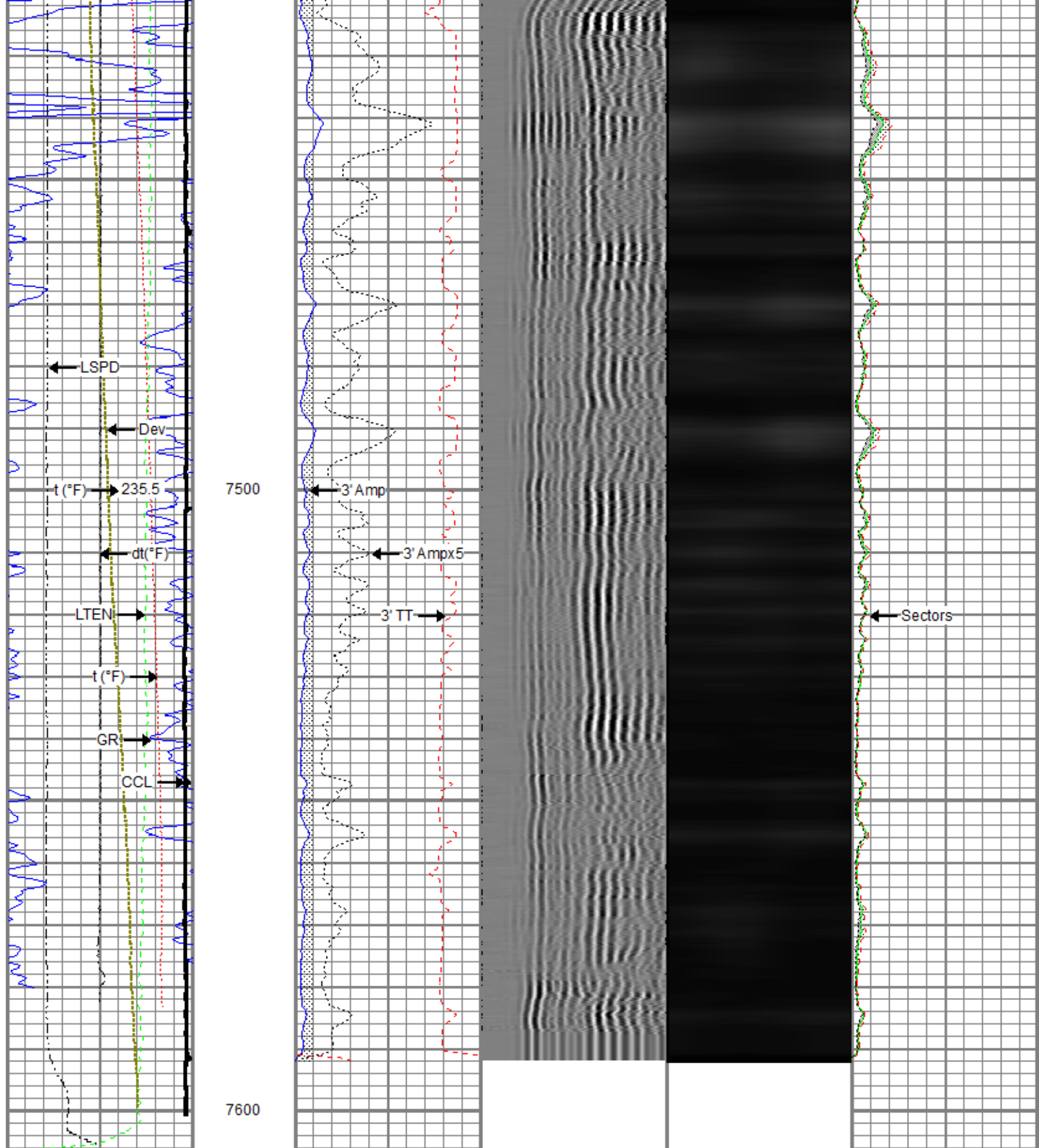












Gamma Ray (GAPI)		0	120
Line Speed (ft/min)		-100	100
Line Tension (lb)		0	2000
Differential Temperature (degF)		-2	2
Temperature (degF)		0	20
3' Amplitude (mV)		0	100
3' Amplitude x 5 (mV)		0	20
3' Travel Time (usec)		650	150
5' Variable Density Log		200	1200
Sector Map			
Average Amplitude		0	100
Minimum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

Casing Collar Locator
-10 Deviation (deg) 90

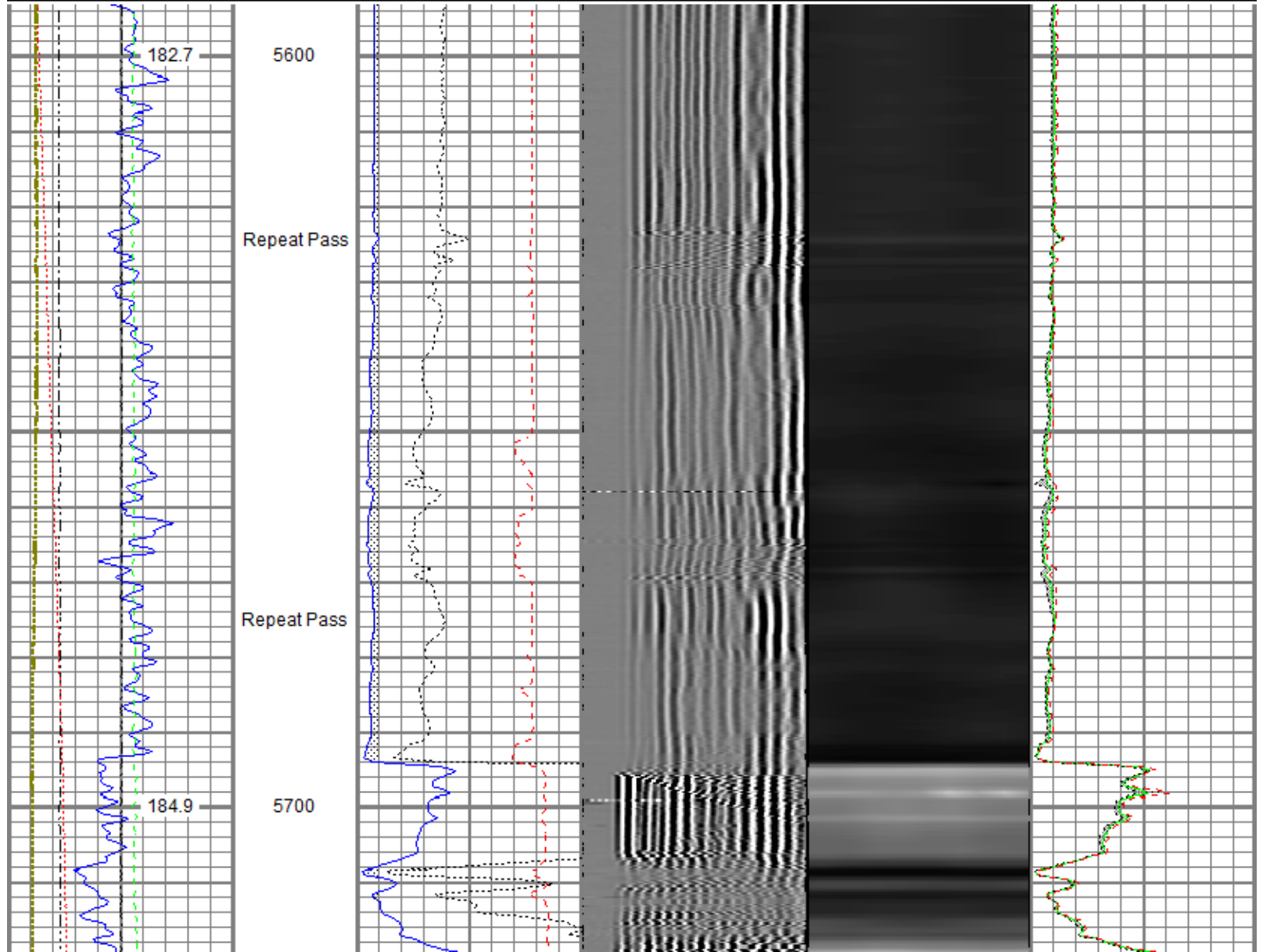


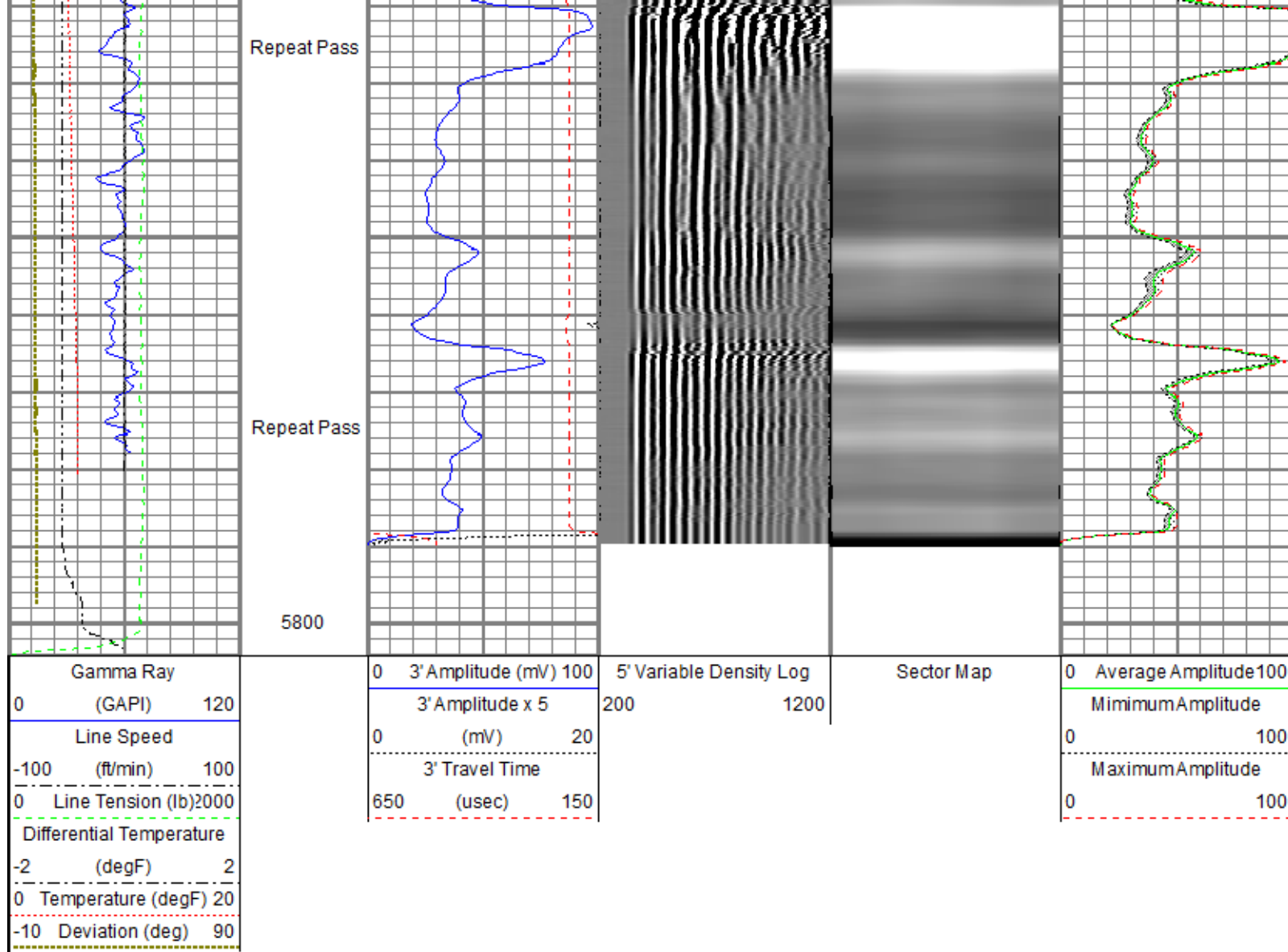
Repeat Pass

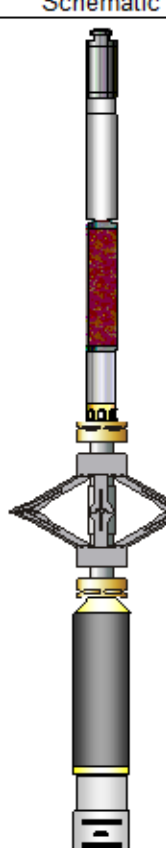
Recorded With 2800 PSI Surface Induced Pressure

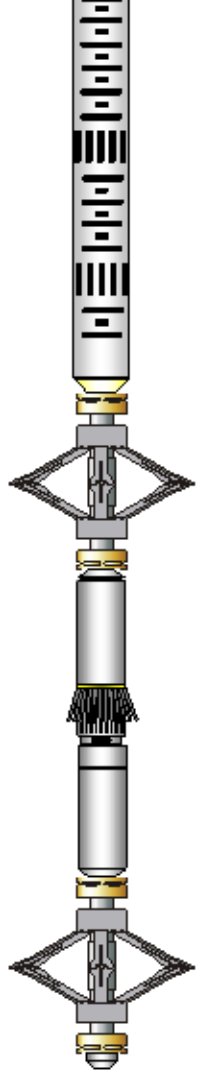
Database File	0512343472_anadarko_wagner 28n-w10hz_mit_rbl_12-29-17\processed_0512343472_anadarko_wagner 28n-w10hz_mit_rbl_12-29-17
Dataset Pathname	pass4
Presentation Format	ros_rbt_mit_sx
Dataset Creation	Fri Dec 29 08:24:53 2017
Charted by	Depth in Feet scaled 1:240

Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	1200			Minimum Amplitude	
Line Speed	0	(mV)	20			0	100	
(ft/min)	100	3' Travel Time					Maximum Amplitude	
Line Tension (lb)	2000	650	(usec)	150		0	100	
Differential Temperature								
(degF)	2							
Temperature (degF)	20							
Deviation (deg)	90							





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	23.41		Titan_Electric_Cable_Heads-Titan_1-11/16" Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40	
			UW_AGS-UW_AGS_001 (219135) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00	
			UW_XTU-UW_XTU_002 (051219) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50	
			UW_PGR-UW_PGR_020 (10013902) Production Gamma Ray	1.92	1.69	9.50	
			UW_PRT-PRT_016 (10025097) Platinum Resistance Thermometer	1.04	1.69	5.20	
TEMP	22.02			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00

CBLROT	14.99		UW_RBT-UW_RBT_004 (10022773) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.48	3.13	140.00
CBLTEMP	14.99					
WVFS8	14.99					
WVFS7	14.99					
WVFS6	14.99					
WVFS5	14.99					
WVFS4	14.99					
WVFS3	14.99					
WVFS2	14.99					
WVFS1	14.99					
WVF3FT	14.99		DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
WVF5FT	13.99					
CBLTEMP	9.85					
MIT	5.11		UW_MIT-UW_MIT40_042 (10012912) 40 Multifinger Imaging Tool Ext.	4.54	2.75	65.00
HVOLTX	0.00		DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
ITEMPX	0.00		UW_BUL-UW_BUL_006 (10019616) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00					
Dataset:		processed_0512343472_anadarko_wagner 28n-w10hz_mit_rbl_12-29-17.db: field/well/run1/pass6				
Total length:		27.66 ft				
Total weight:		329.80 lb				
O.D.:		3.13 in				

Calibration Report			
Database File	c:\programdata\warrior\data\0512343472_anadarko_wagner 28n-w10hz_mit_rbl_12-29-17\processed_0512343472_anadarko_w		
Dataset Pathname	pass6		
Dataset Creation	Fri Dec 29 08:40:14 2017		
Multifinger 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:		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:		Fri Dec 29 07:22:44 2017	

Ring size: (in)	4	Sens	5	Sens	6	Sens	7
Finger 01:	1071	350.0	1421	420.0	1841	412.0	2253
Finger 02:	1209	361.0	1570	387.0	1957	408.0	2365
Finger 03:	1088	364.0	1452	407.0	1859	435.0	2294
Finger 04:	1118	366.0	1484	387.0	1871	425.0	2296
Finger 05:	1123	365.0	1488	394.0	1882	424.0	2306
Finger 06:	1118	365.0	1483	400.0	1883	425.0	2308
Finger 07:	1107	370.0	1477	402.0	1879	425.0	2304
Finger 08:	1136	364.0	1500	394.0	1894	423.0	2317
Finger 09:	1122	365.0	1487	396.0	1883	418.0	2301
Finger 10:	1130	366.0	1496	393.0	1889	418.0	2307
Finger 11:	1129	366.0	1495	389.0	1884	411.0	2295
Finger 12:	1130	361.0	1491	390.0	1881	412.0	2293
Finger 13:	1143	362.0	1505	382.0	1887	401.0	2288
Finger 14:	1135	365.0	1500	397.0	1897	408.0	2305
Finger 15:	1081	373.0	1454	404.0	1858	425.0	2283
Finger 16:	1093	372.0	1465	411.0	1876	413.0	2289
Finger 17:	1003	349.0	1352	387.0	1739	425.0	2164
Finger 18:	1137	360.0	1497	389.0	1886	402.0	2288
Finger 19:	1106	362.0	1468	393.0	1861	409.0	2270
Finger 20:	1086	363.0	1449	400.0	1849	420.0	2269
Finger 21:	1095	363.0	1458	395.0	1853	404.0	2257
Finger 22:	1071	362.0	1433	400.0	1833	421.0	2254
Finger 23:	1020	359.0	1379	407.0	1786	429.0	2215
Finger 24:	1107	354.0	1461	386.0	1847	391.0	2238
Finger 25:	1044	359.0	1403	405.0	1808	426.0	2234
Finger 26:	1166	343.0	1509	374.0	1883	387.0	2270
Finger 27:	1099	353.0	1452	394.0	1846	410.0	2256
Finger 28:	1132	347.0	1479	383.0	1862	397.0	2259
Finger 29:	1061	352.0	1413	405.0	1818	426.0	2244
Finger 30:	1091	350.0	1441	399.0	1840	410.0	2250
Finger 31:	1126	353.0	1479	387.0	1866	401.0	2267
Finger 32:	1184	377.0	1561	421.0	1982	435.0	2417
Finger 33:	1181	352.0	1533	376.0	1909	385.0	2294
Finger 34:	1118	354.0	1472	402.0	1874	422.0	2296
Finger 35:	991	328.0	1319	379.0	1698	412.0	2110
Finger 36:	1090	352.0	1442	401.0	1843	427.0	2270
Finger 37:	1134	353.0	1487	395.0	1882	416.0	2298
Finger 38:	1158	349.0	1507	387.0	1894	402.0	2296
Finger 39:	1171	349.0	1520	383.0	1903	406.0	2309
Finger 40:	1118	357.0	1475	401.0	1876	424.0	2300

Segmented Cement Bond Log Calibration Report						
Serial Number:		10022773				
Tool Model:		UW_RBT_004				
Calibration Casing Diameter:		7.000	in			
Calibration Depth:		-76.502	ft			
Master Calibration, performed Fri Dec 29 07:20:41 2017:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.002	0.773	0.800	62.165	79.638	0.606
5FT	-0.002	0.768	0.800	62.165	79.716	0.925
S1	0.002	0.769	0.000	100.000	130.427	-0.318
S2	0.001	0.788	0.000	100.000	127.133	-0.155
S3	0.002	0.788	0.000	100.000	127.264	-0.222
S4	0.001	0.788	0.000	100.000	127.085	-0.186
S5	0.002	0.776	0.000	100.000	129.185	-0.279
S6	0.001	0.765	0.000	100.000	130.877	-0.171
S7	0.002	0.750	0.000	100.000	133.710	-0.326
S8	0.002	0.755	0.000	100.000	132.829	-0.281

Temperature Calibration Report							
		Serial Number:		10025097			
		Tool Model:		PRT 016			

Point #	Reading	Reference
1	13053.00 cps	68.00 degF
2	18014.00 cps	104.00 degF
3	29668.00 cps	176.00 degF
4	41181.00 cps	248.00 degF
5	52983.00 cps	320.00 degF
6	58931.00 cps	356.00 degF
7	cps	degF
8	cps	degF
9	cps	degF
10	cps	degF

Gamma Ray Calibration Report

Serial Number:	10013902	
Tool Model:	UW_PGR_020	
Performed:	(Not Performed)	
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	Wagner 28N-W10HZ
Field	Wattenberg
County	Weld
State	Colorado