

HALLIBURTON



ALD Azimuthal Lithodensity
CTN Compensated Thermal Neutron
CNØ Compensated Neutron Porosity
DGR Dual Gamma Ray
EWR-Phase 4
ACAL Acoustic Caliper

Sperry Drilling Services

1 : 200

Country	: Australia	Company	: Woodside Energy Ltd
Field	: Thylacine	Rig	: Maersk Guardian
Location	: 39° 14' 14.56" South GDA94 142° 54' 7.58" East GDA94	DOE Number	:
Well	: THA04	Company	: Woodside Energy Ltd
Company	: Woodside Energy Ltd	Rig	: Maersk Guardian
Rig	: Maersk Guardian	Well	: THA04
LOCATION	Company	Field	: Thylacine
	Rig	Country	: Australia
	Well		
	DOE Number		
Latitude	: 39° 14' 14.56" South GDA94	Other Services Directional Drilling	
Longitude	: 142° 54' 7.58" East GDA94		
UTM Easting	= 664,161.0 m		
UTM Northing	= 5,655,156.8 m		
Permanent Datum	: LAT	Elevation	: 0.00 m
Log Measured From	: Drill Floor	50.50 m	Above Permanent Datum
Drilling Measured From	: Drill Floor	TVD LOG	
Depth Logged	: 649.36 m To 2,253.83 m	Unit No.	: SSDS-40
Date Logged	: 10-Aug-06 To 28-Aug-06	Job No.	: AU-FE-0003930660
Total Depth MD	: 3,987.00 m TVD : 2,253.83 m	Plot Type	: Final
Spud Date	: 12-Aug-06	Plot Date	: 27-Sep-06
Run No.	Borehole Record (TVD)		
	Size	From	To
100	311,000 mm	649.36 m	2,282.02 m
200	216,000 mm	2,282.02 m	2,233.86 m
300	216,000 mm	2,233.86 m	2,253.83 m
	Casing Record (TVD)		
	Size	Weight	From
	244,000 mm	70.00 kgpm	149.85 m
			2,279.97 m

WELL INFORMATION

MWD Run Number	100	200	300		
Date run completed	18-Aug-06	24-Aug-06	28-Aug-06		
Rig Bit Number	4	1	1RR		
Bit Size (mm)	311	216	216		
Tool Nominal OD (mm)	203	171	171		
Log Start Depth (TVD, m)	649.36	2282.03	2233.86		
Log End Depth (TVD, m)	2282.03	2233.86	2253.83		
Drill or Wipe	Drilling	Drilling	Drilling		
Drill/Wipe Start Date and Time	12-Aug-06 07:50	21-Aug-06 01:25	24-Aug-06 14:00		
Drill/Wipe End Date and Time	17-Aug-06 20:48	23-Aug-06 05:50	27-Aug-06 11:30		
Min Inc (deg) @ Depth (TVD, m)	6.30 @ 687.57	76.93 @ 2284.26	79.76 @ 2224.80		
Max Inc (deg) @ Depth (TVD, m)	74.87 @ 2279.44	102.62 @ 2273.69	96.12 @ 2227.72		
Bit TFA(in2) / Bit Type	1.49 / Sec FMF3565Z	1.11 / Sec FMF3653Z	1.11 / Sec FMF3653Z		
Flow Rate (gpm)	1,150	740	735		
Max AV (mpm) / CV (mpm) @ MWD	99.6 / 138.6	210.0 / 192.0	205.8 / 151.8		
Fluid Type	SYN-TEQ	SYN-TEQ	SYN-TEQ		
Density (sg) / Viscosity (spl)	1.25 / 80.3	1.25 / 94.1	1.25 / 78.2		
Filtrate CL (ppm)	36,700	31,870	30,450		
pH / Fluid Loss (mptm)	0 / 3.2	0 / 2.8	0 / 3.7		
PV (cP) / YP (pa)	41 / 14.8	49 / 17.2	35 / 12.5		
% Solids / % Sand	14.4 / 0.3	14.5 / .5	14.3 / 0.6		
% Oil / Oil:Water Ratio	60.5 / 72:28	61.5 / 73:27	62.5 / 74:26		
Rm @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Rmf @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Rmc @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Max Tool Temp (degC) / Source	104 / EWR-P4	101 / EWR-P4	115 / EWR-P4		
Rm @ Max Tool Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Lead MWD Engineer	T. Osborne	T. Osborne	T. Osborne		
Customer Representative	S. Corless	S. Job	S. Job		

SENSOR INFORMATION

Downhole Processor Information					
Tool Type	HCIM	HCIM	HCIM		
Software Version	68.18	72.13	72.13		
Sub Serial Number	189273	161828	10505777		
Insert Serial Number	133489	161821	161828		
Date and Time Initialized	11-Aug-06 15:52	21-Aug-06 00:35	24-Aug-06 00:46		
Date and Time Read	19-Aug-06 00:48	24-Aug-06 03:25	28-Aug-06 00:15		

Directional Sensor Information					
Tool Type	DM	DM	DM		
Distance From Bit (m)	8.70	8.02	8.95		
Software Version	3.15	3.15	4.00		
Sub Serial Number	CP719940	CP1015920	CP973260		
Sonde Serial Number	185534	185534	136742		
Sensor ID Number	185534	185534	136742		
Toolface Offset (deg)	N/A	N/A	N/A		

Gamma Ray Sensor Information					
Tool Type	DGR	DGR	DGR		
Distance From Bit (m)	11.21	10.56	11.50		
Recorded Sample Period (sec)	12	14	14		
Software Version	N/A	N/A	N/A		
Sub Serial Number	10718409	77761	218747		
Insert/Sonde Serial Number	087229	10505500	050437		

Resistivity Sensor Information					
Tool Type	EWR-P4	EWR-P4	EWR-P4		
Distance From Bit (m)	13.56	12.89	13.85		
Recorded Sample Period (sec)	12	14	14		
Software Version	1.38	1.38	1.38		
Sub Serial Number	96506	191904	197652		
Receiver Insert Serial Number	45162	77531	74703		
Transmitter Insert Serial Number	123860	106181	62499		
Receiver Orientation	Down	Down	Down		

Neutron Sensor Information					
Tool Type		CTN	CNP		
Distance From Bit (m)		24.59	24.29		
Recorded Sample Period (sec)		20	12		
Sub Serial Number		174118	177933		
Insert Serial Number		175366	68615		
Source Serial Number		0102NN	1399NN		
Source Factor		N/A	1.1840		
Pin Orientation		Up	Up		

Density Sensor Information					
Tool Type		ALD	ALD		
Distance From Bit (m)		20.52	21.43		
Recorded Sample Period (sec)		20	20		
Software Version		2.13	2.13		
Sub Serial Number		10718174	10503661		
Insert Serial Number		215918	10507163		
Sensor ID Number		32081	32022		
Source Serial Number		2434GW	2671GW		
Pin Orientation		Up	Up		
Stabilizer Blade O.D. (mm)		209.550	209.550		
DPA Offset		332.30	2.00		

Caliper Sensor Information					
Tool Type		ACAL	ACAL		
Distance From Bit (m)		23.53	31.34		
Software Version		1.00	1.00		

Software Version		4.20	4.20	
Sub Serial Number		174118	123087	
Insert Serial Number		175366	141728	

REMARKS

1.) All depths are bit depths and are referenced to the driller's pipe tally unless otherwise noted.

2.) AV/CV values are calculated at the LWD collar using the Bingham Law for oil based mud, measured in m/min.

3.) Curve Mnemonics used are:

SGRC - Smoothed Combined Gamma Ray, api
 SROP - Smoothed Rate of Penetration, m/hr
 SEXP - Smoothed Extra-Shallow Phase Resistivity, ohm-metre
 SESP - Smoothed Shallow Phase Resistivity, ohm-metre
 SEMP - Smoothed Medium Phase Resistivity, ohm-metre
 SEDP - Smoothed Deep Phase Resistivity, ohm-metre
 ACAL - Smoothed Acoustic Caliper Hole Size, inches
 SC02 - Smoothed Low count rate Stand Off Correction, g/cc
 SBD2 - Smoothed Low count rate Bulk Density, g/cc
 SNP2 - Smoothed Near Detector Pe, b/e
 TNPL - Smoothed Compensated Thermal Neutron Porosity (LS), v/v

4.) CTN/CNP data has been processed using the following parameters and is based on Limestone matrix:

MW = 1.25 sg
 Formation Salinity = 15,000 ppm Cl
 Mud Salinity = 25,632 - 31,874ppm Cl
 Matrix Density = 2.71 g/cc
 Fluid Density = 1.00 g/cc

5.) TNPL data is from the CTN tool to 2236.4 mTVDRT and from the CNP tool to TD. Data has been reprocessed using hole size derived from the Acoustic Caliper tool.

6.) Real-Time Caliper data is presented to 2236.4 mTVDRT.

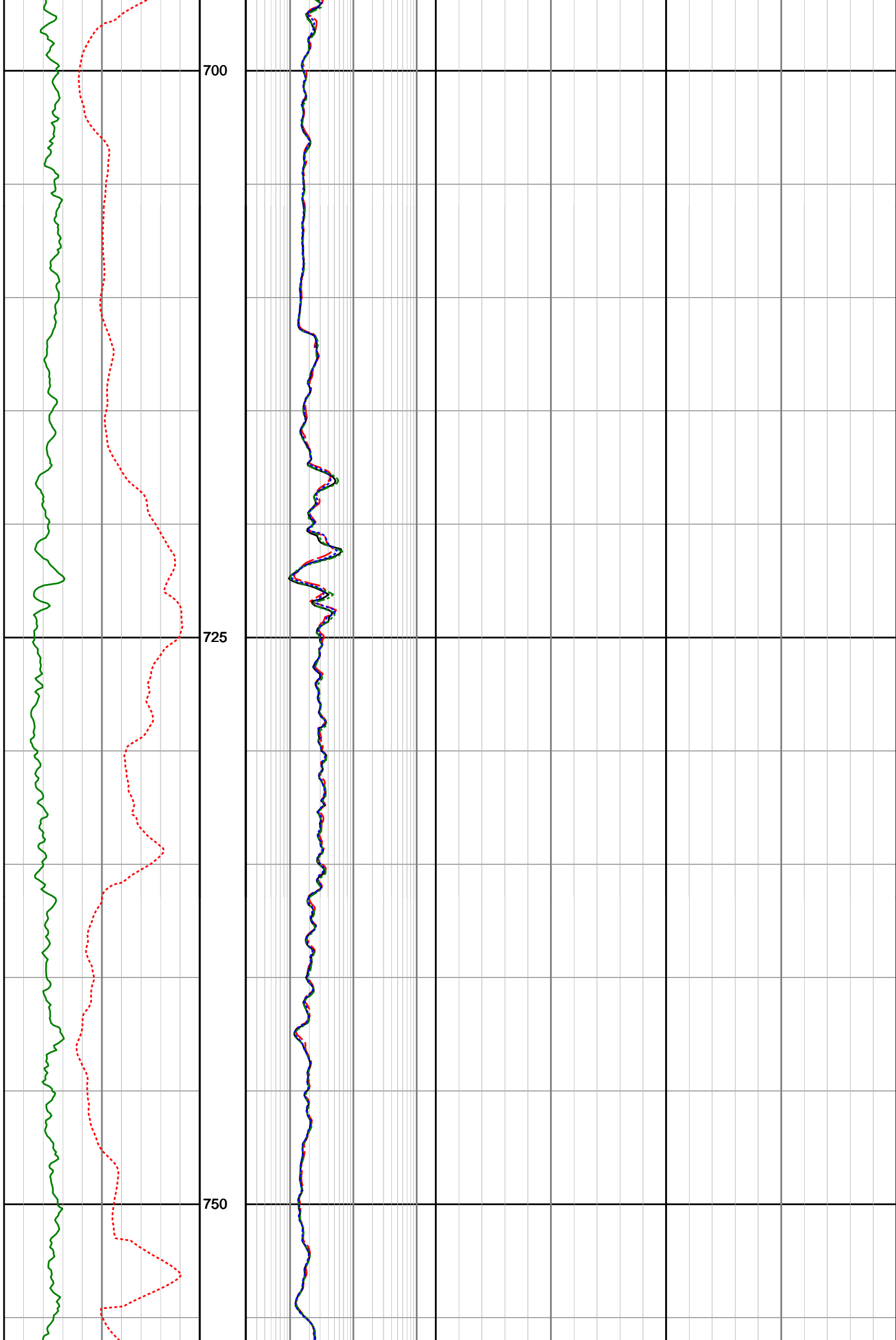
7.) Density data from 2265.6 - 3172.8 mTVDRT is wipe data recorded while POOH.

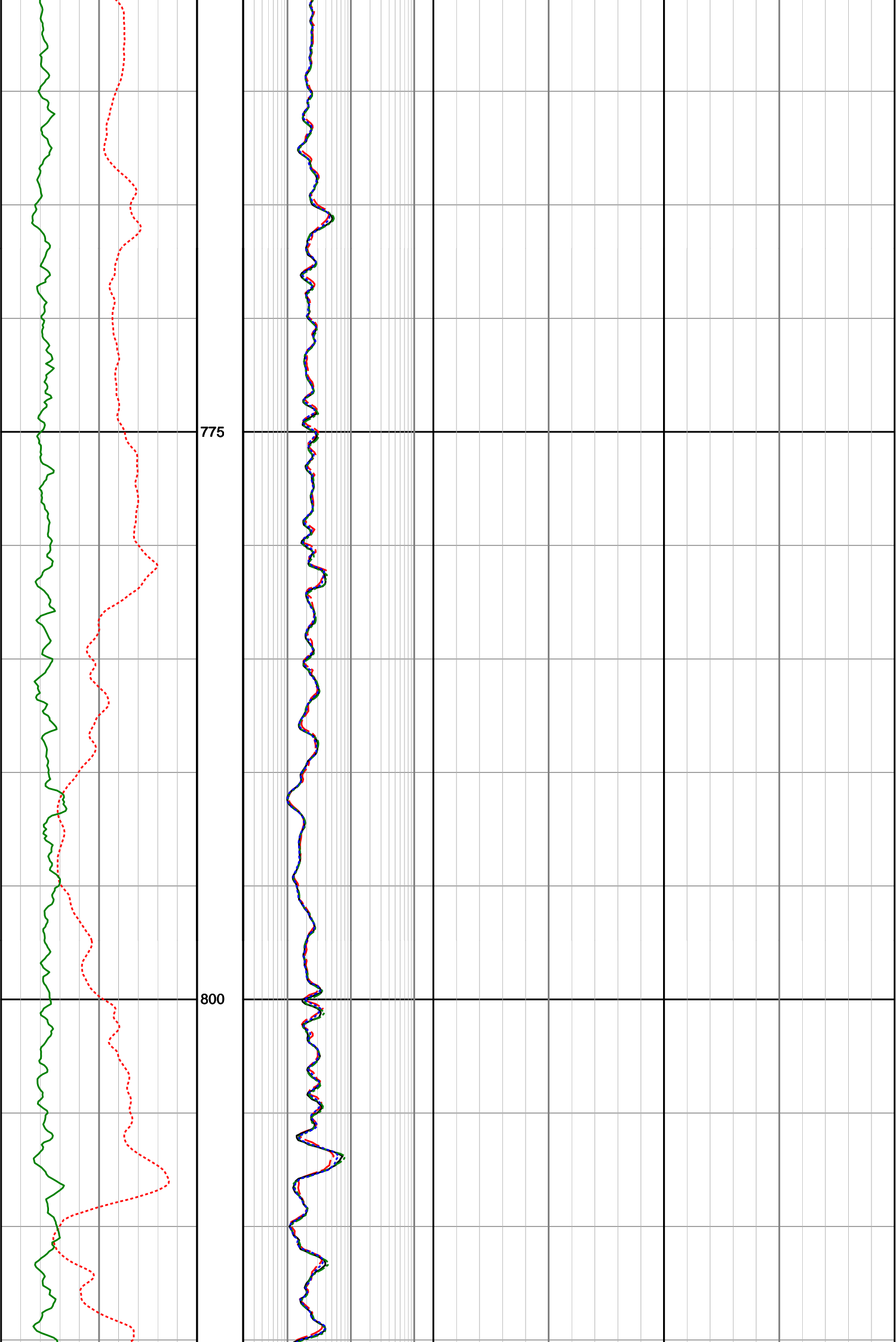
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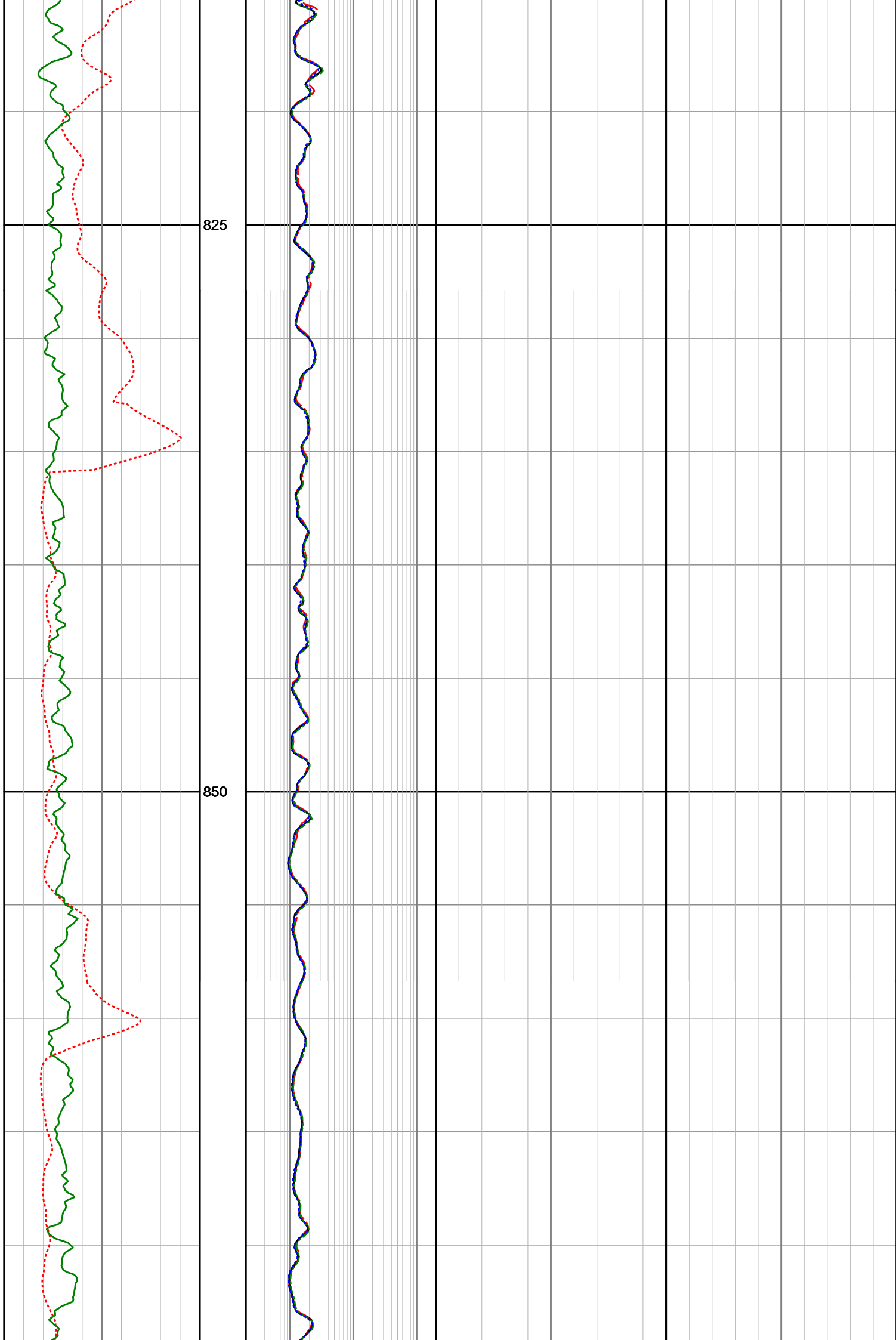
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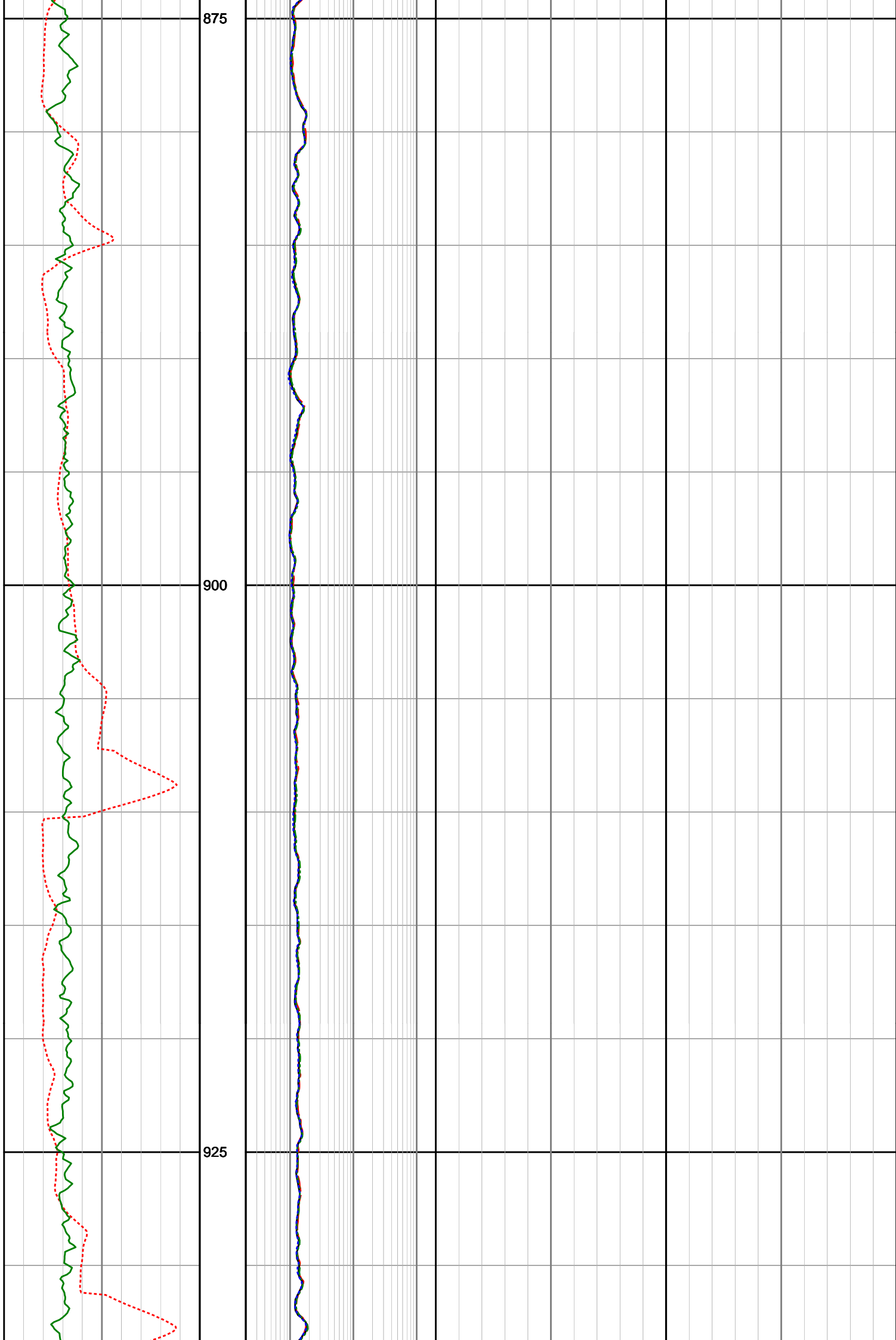
		Deep Phase Res			
		0.2	(SEDP)	200	
		ohmm			
Acoustic Caliper		Medium Phase Res		Standoff Correction	
6	(ACAL)	0.2	(SEMP)	200	-0.75 (SC02)
		ohmm		g/cc	
inches		Shallow Phase Res		Bulk Density	

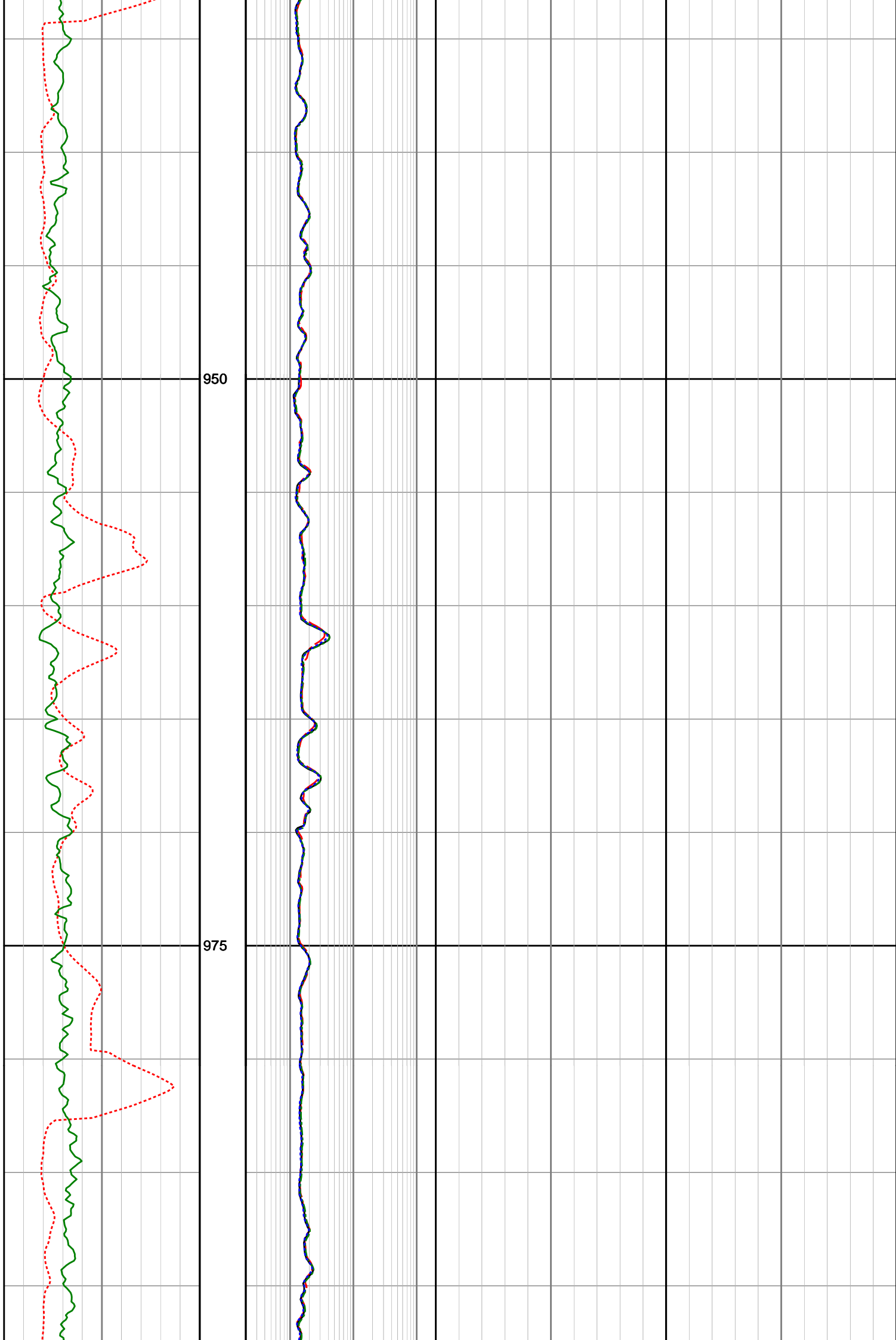
Rate of Penetration		Shallow Phase Res		Bulk Density	
(SROP)	0	(SESP)	200	(SBD2)	2.95
m/hr		ohmm		g/cc	
Gamma Ray	Depth	X-Shallow Phase Res	Neutron Porosity		Photoelectric Effect
(SGRC)	TVD	(SEXP)	(TNPL)	(SNP2)	
api	1:200	ohmm	v/v	b/e	
<div> <div>0</div> <div>200</div> </div>	<div>0</div> <div>200</div>	<div>0.2</div> <div>200</div>	<div>0.45</div> <div>-0.15</div>	<div>0</div> <div>10</div>	
	<div>650</div> <div>675</div>				

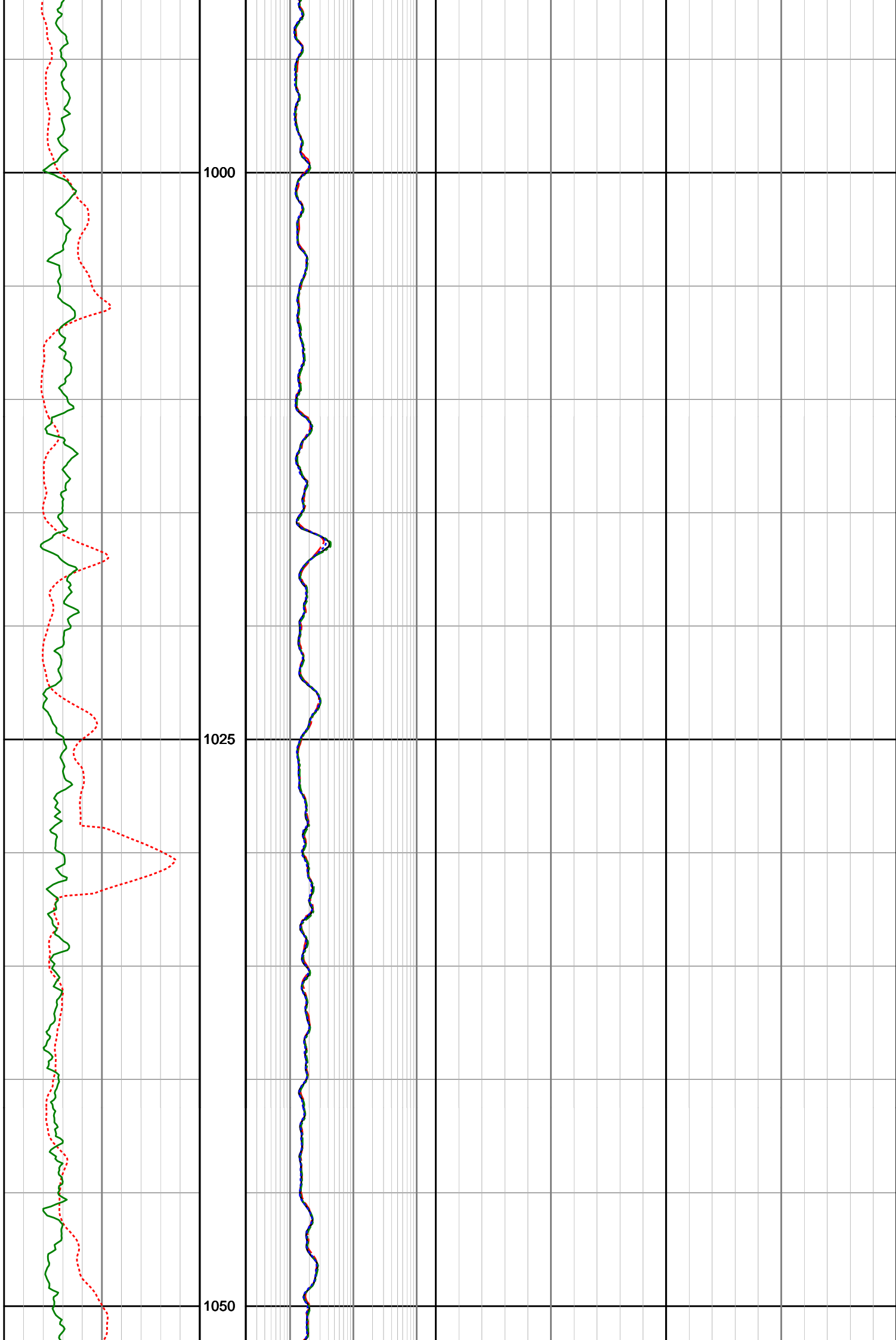


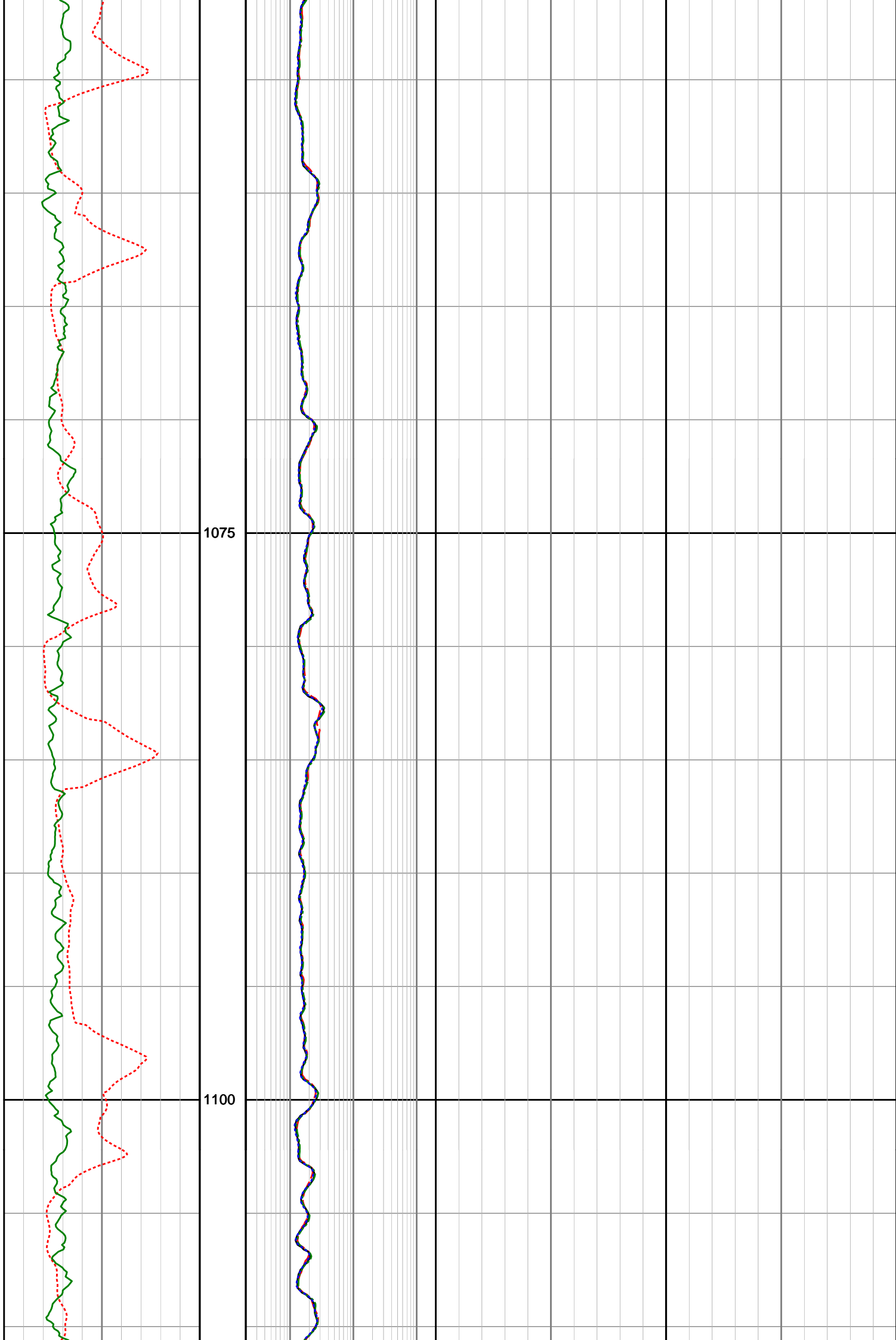


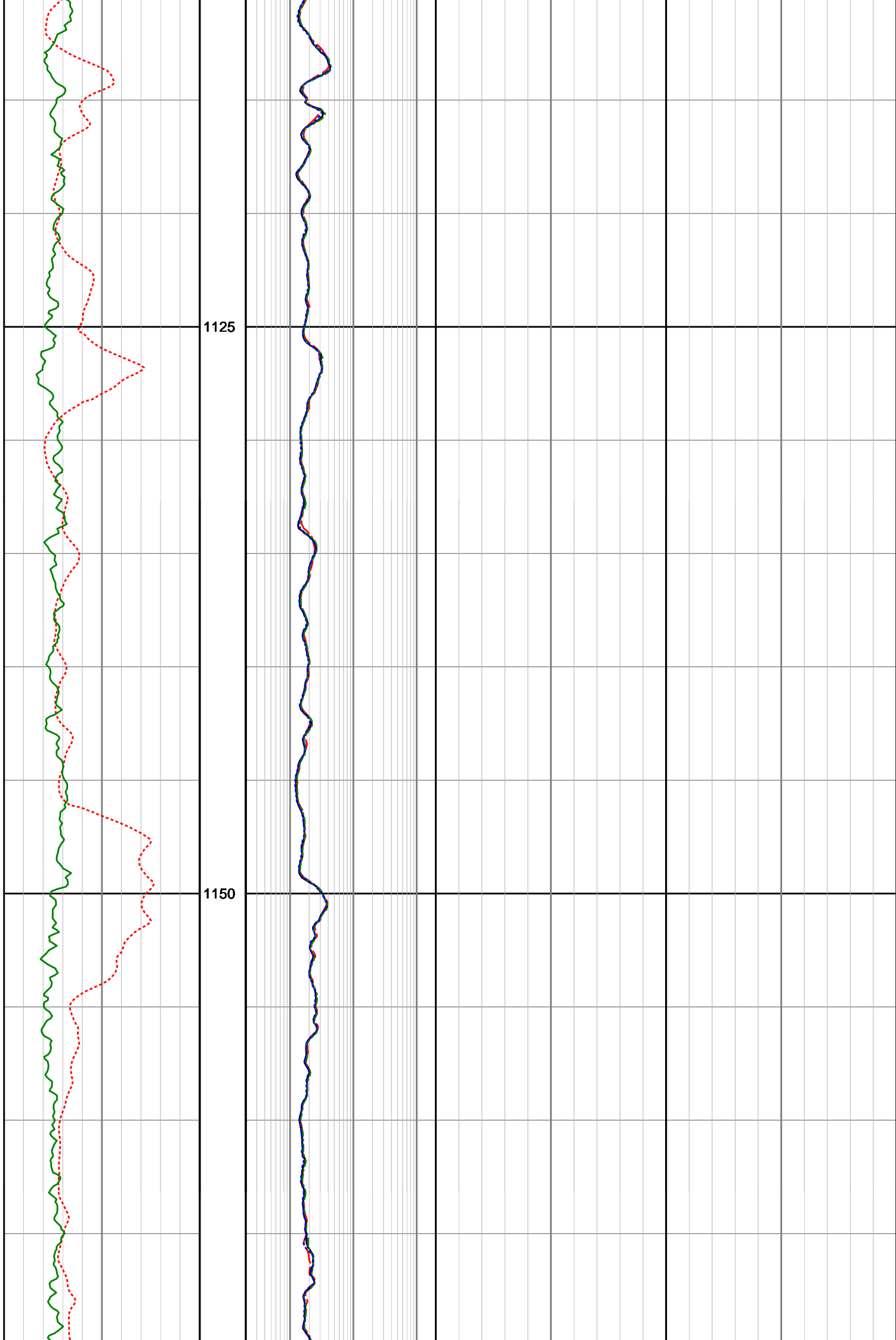


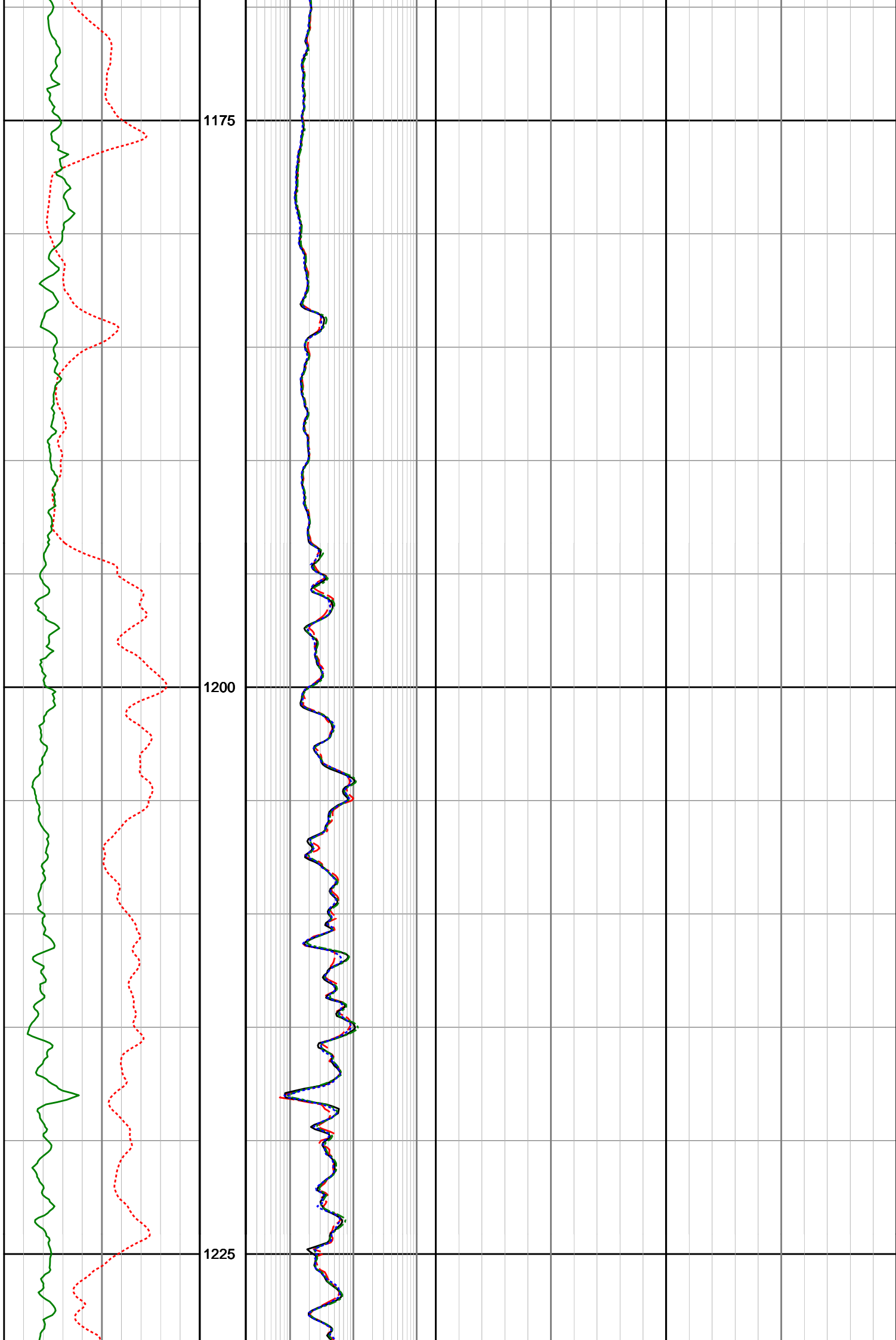


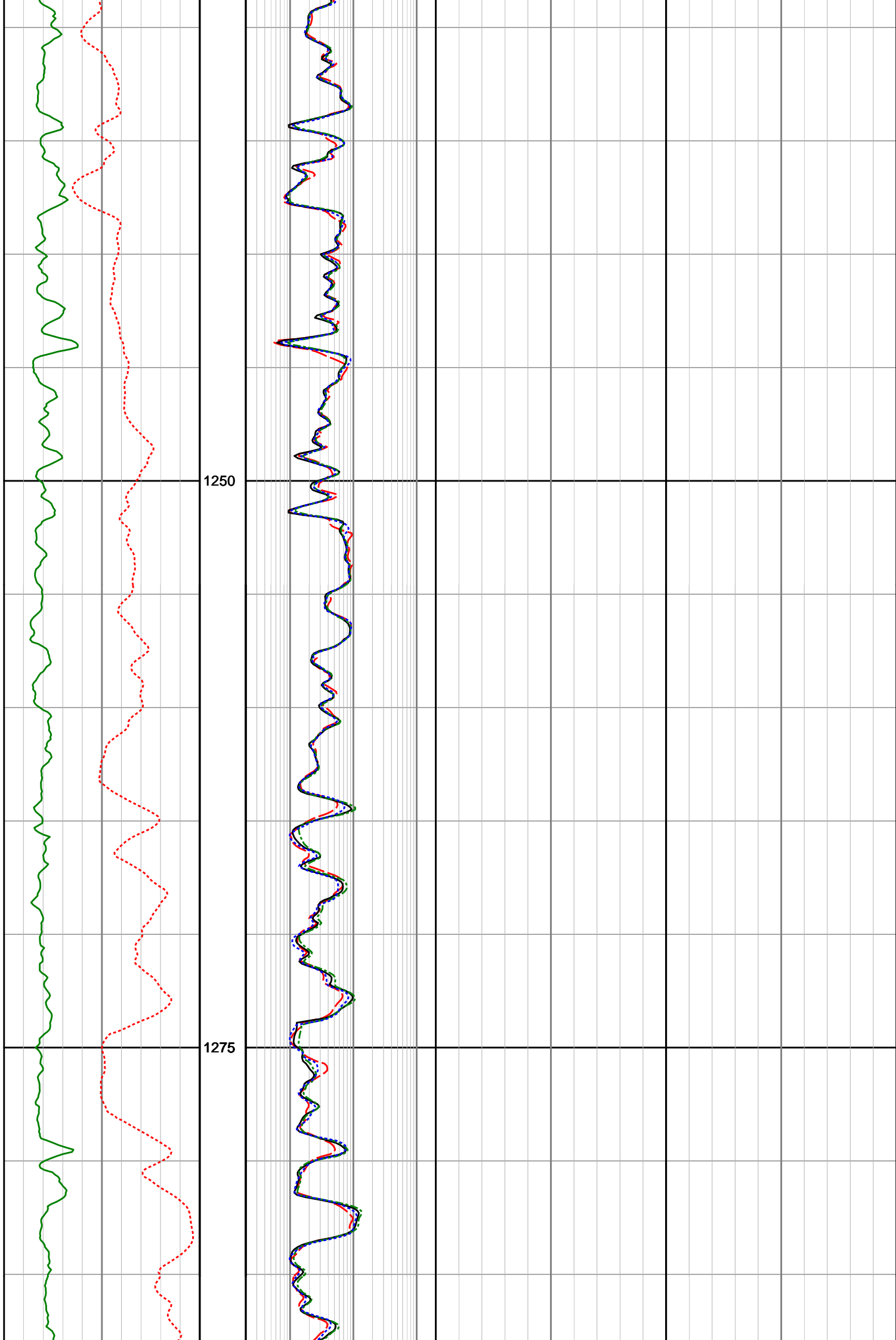


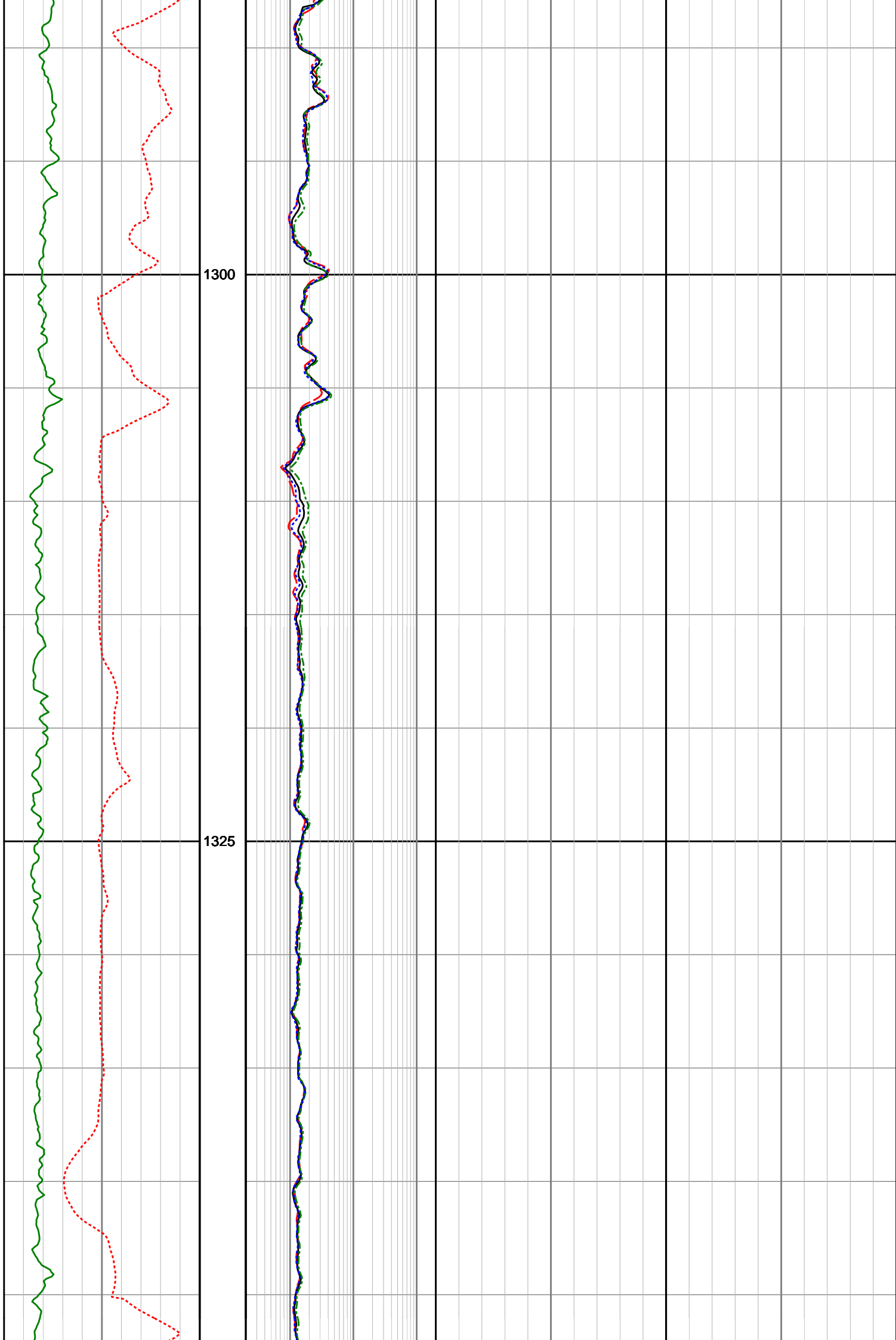


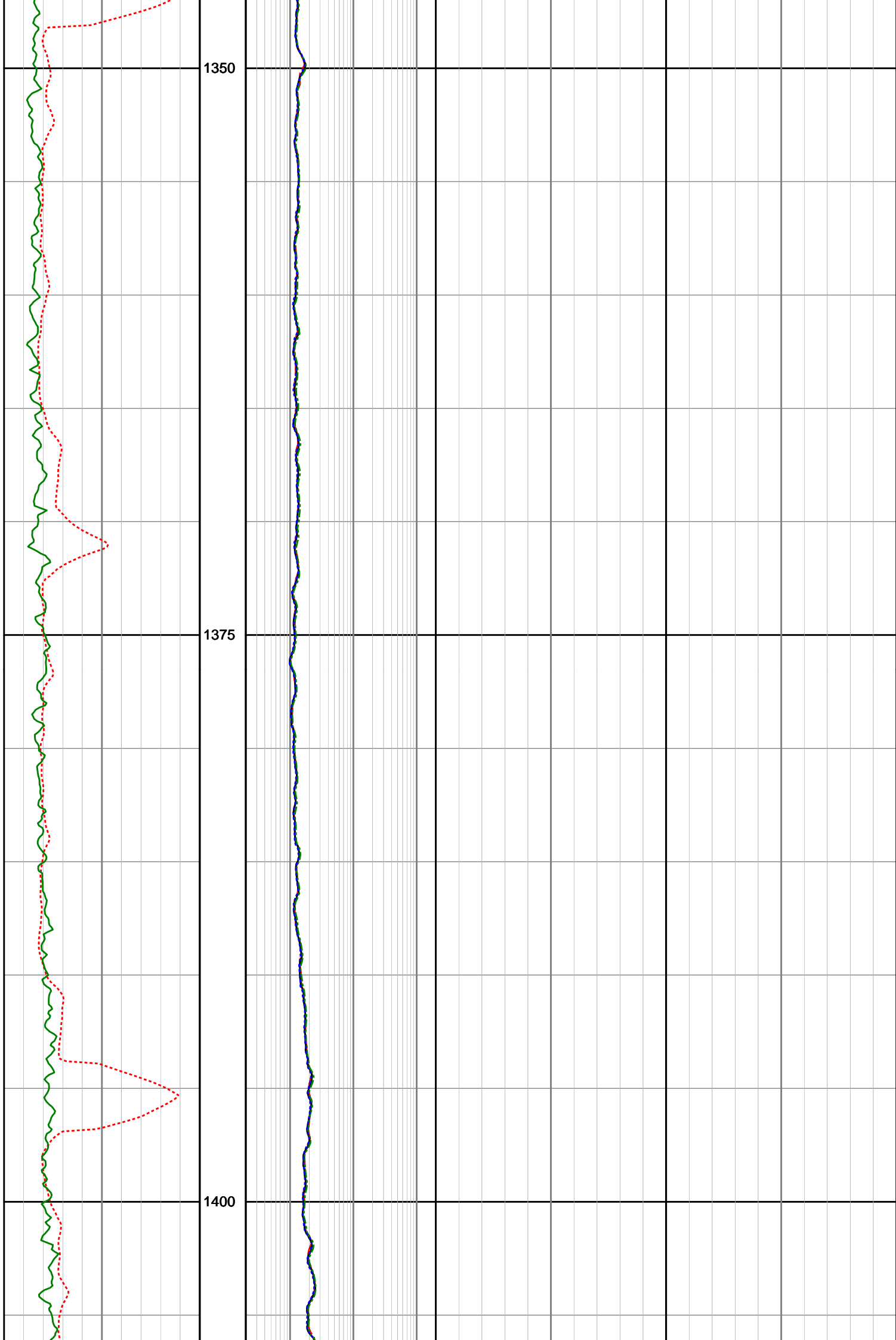


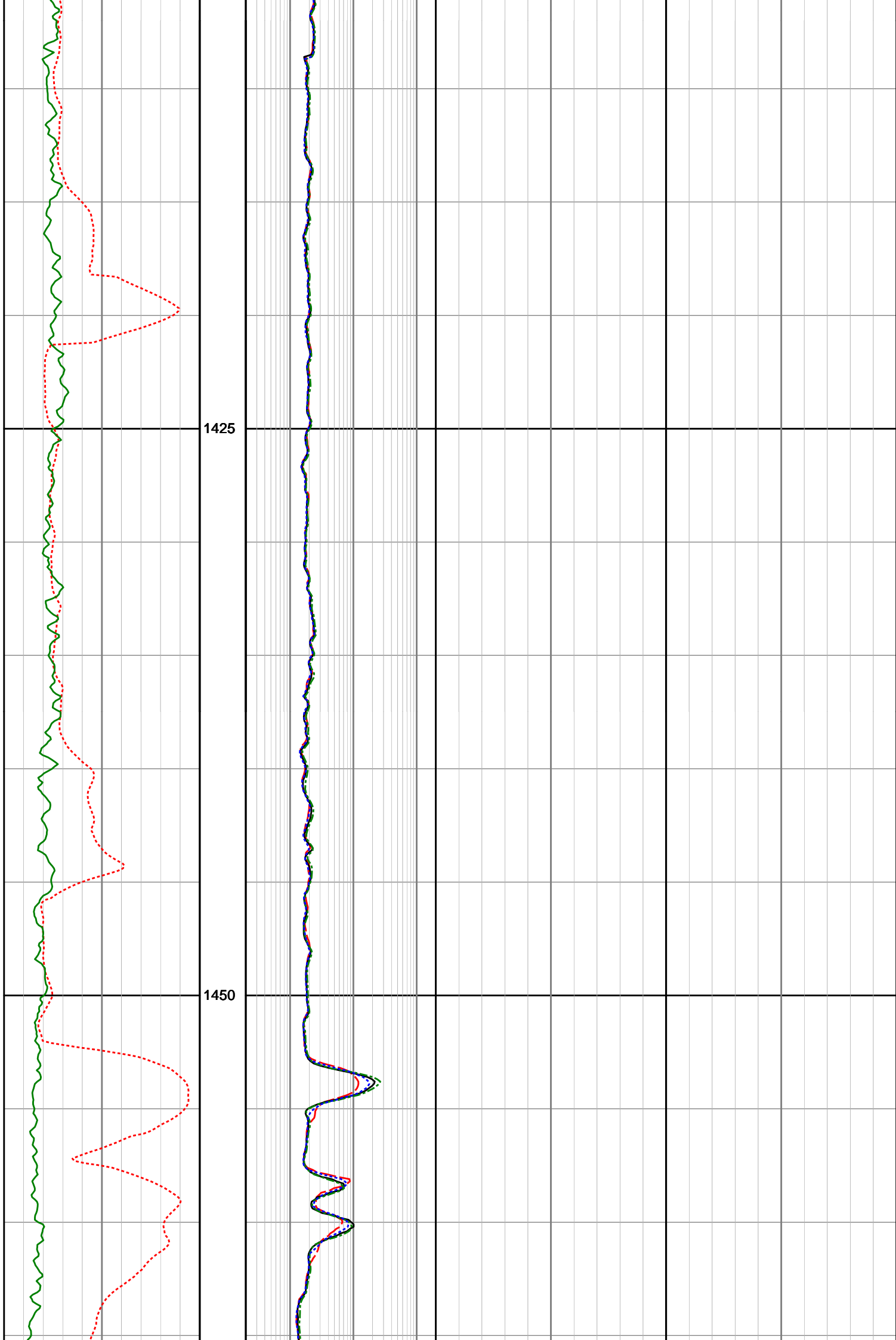


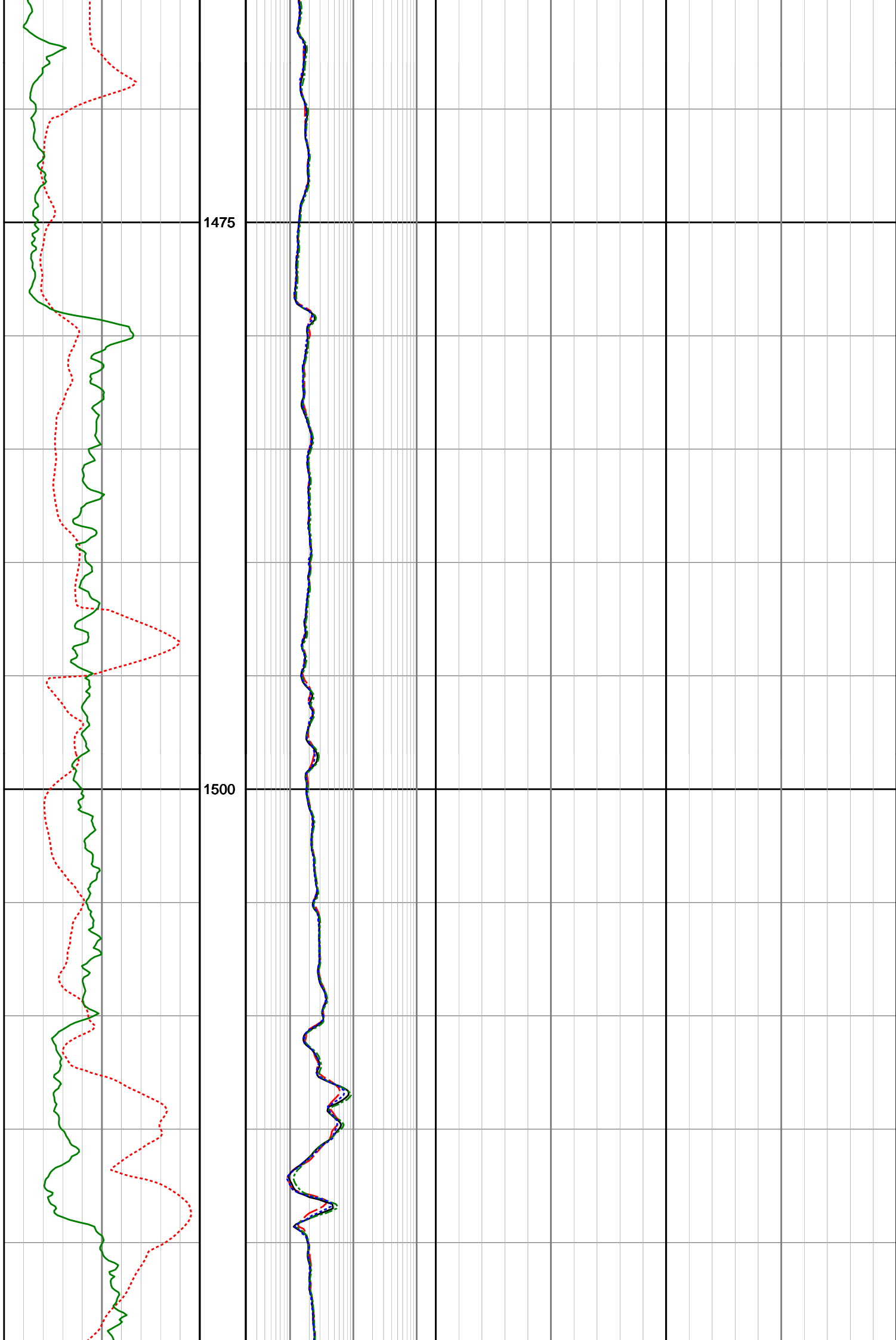


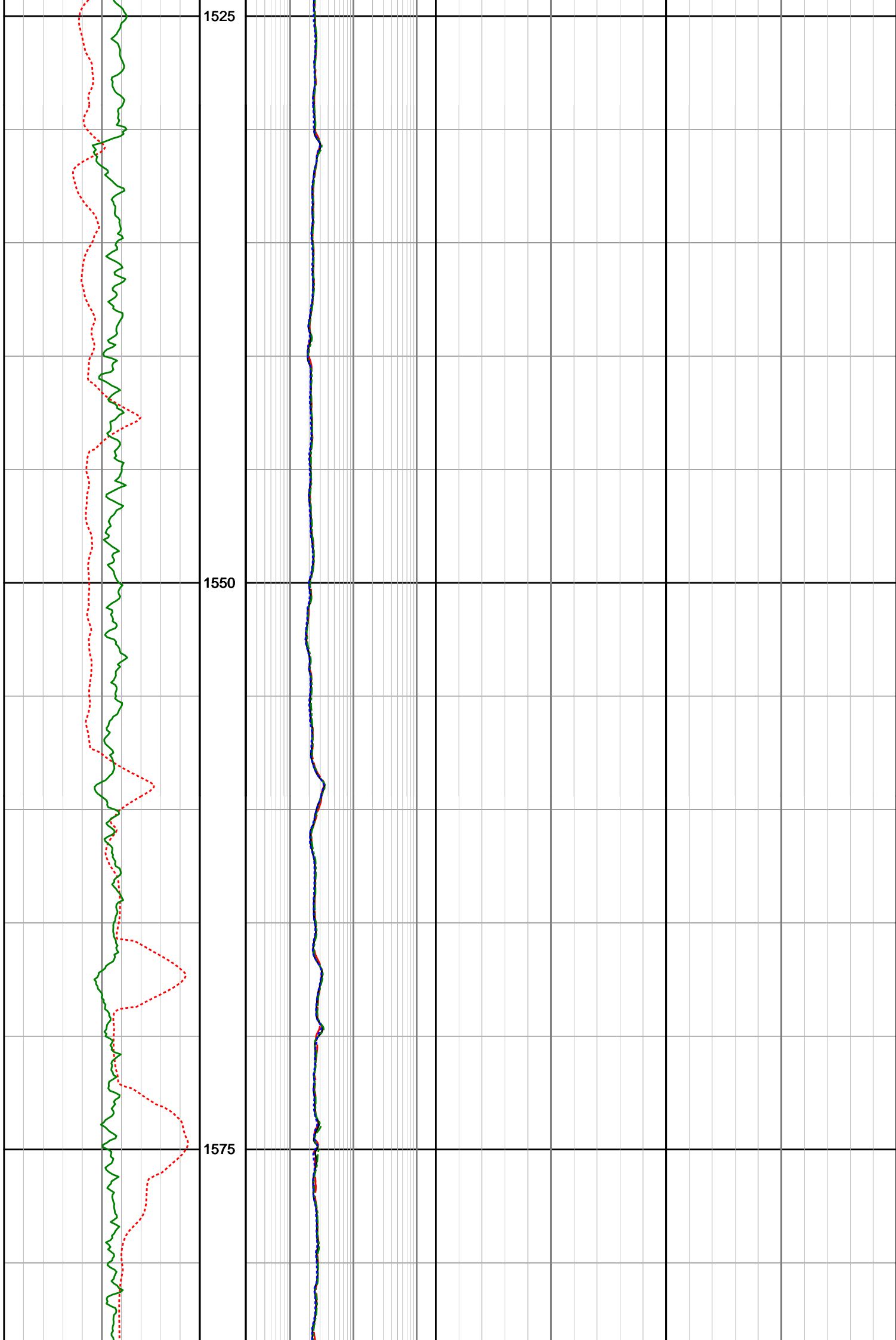


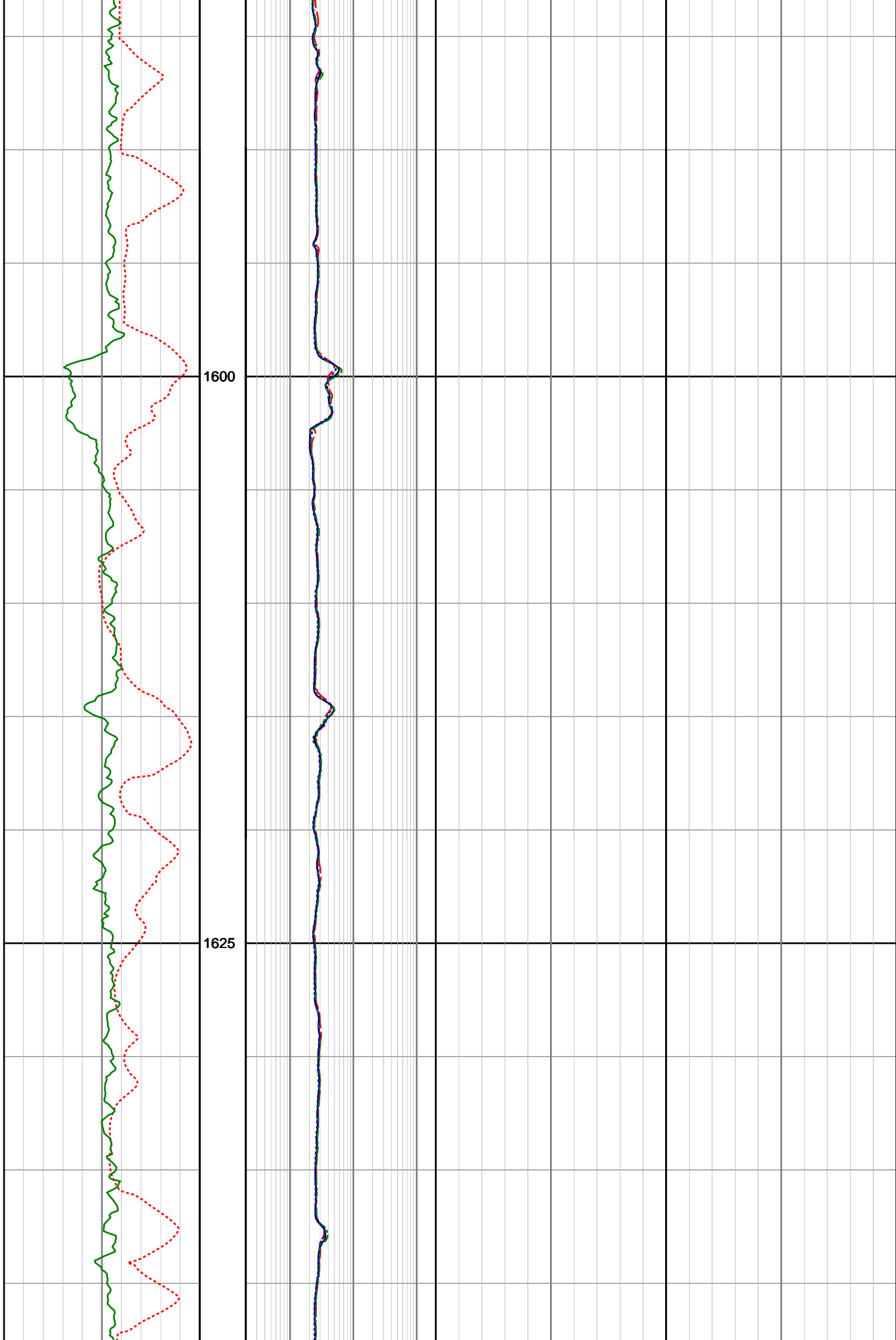


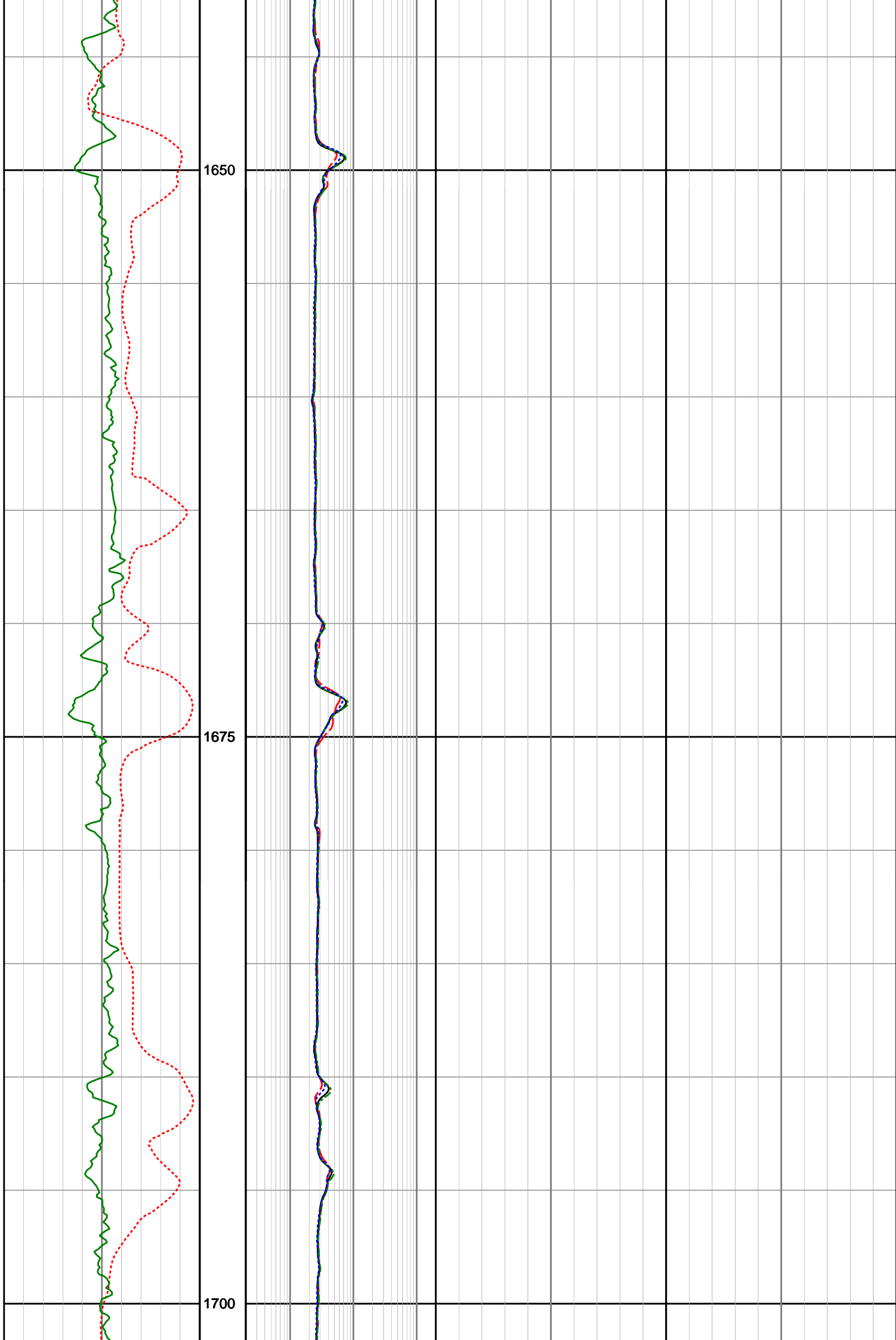


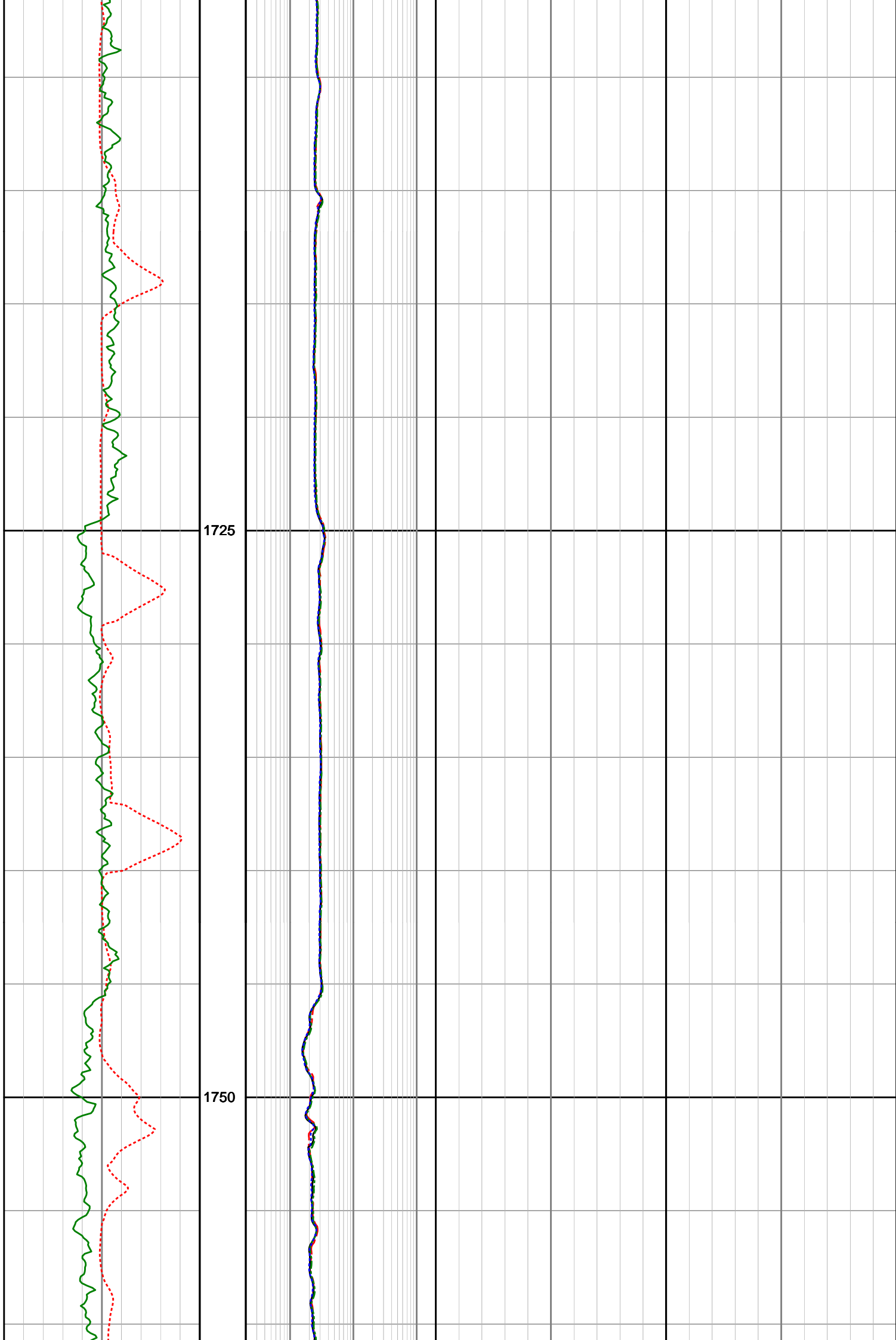


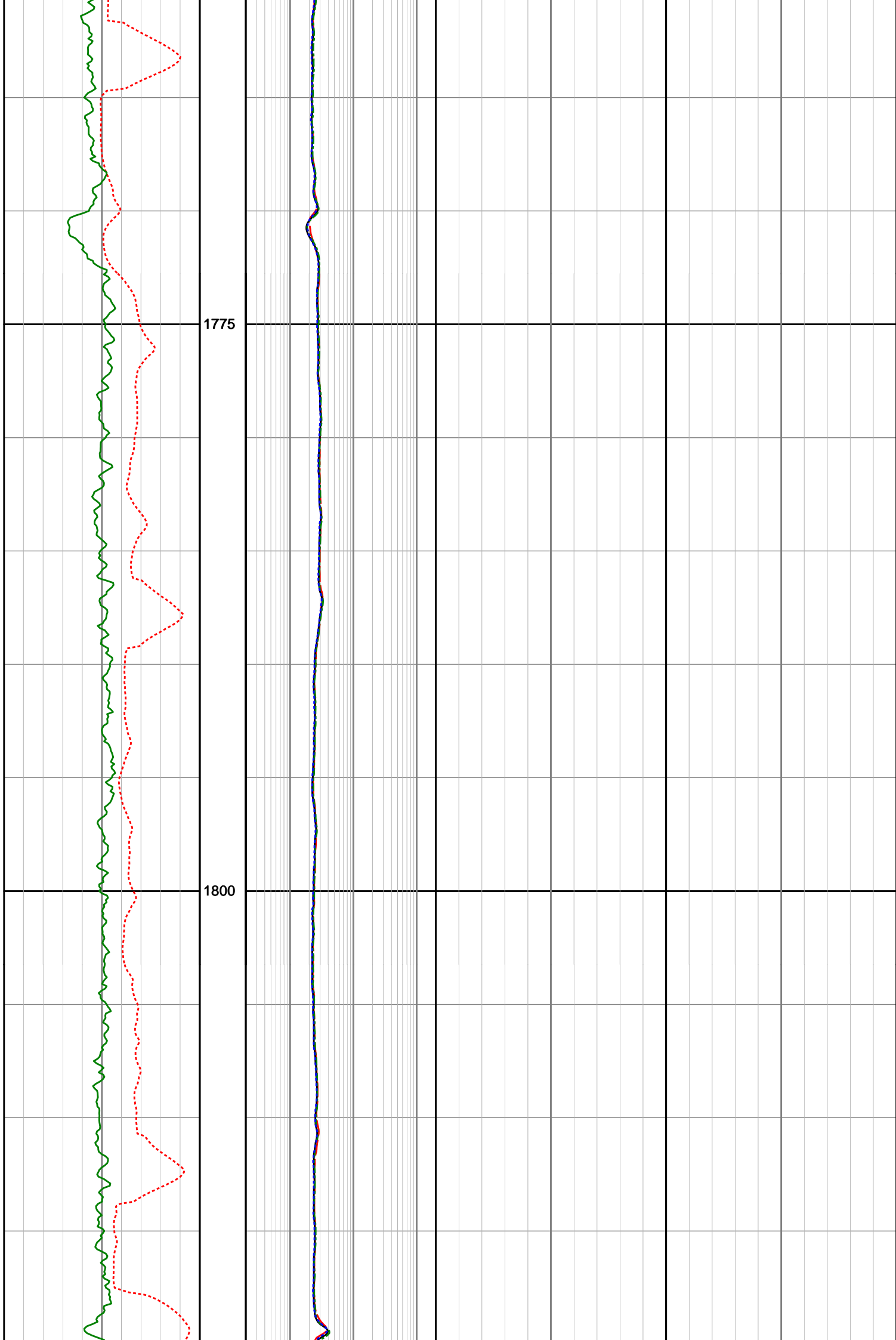


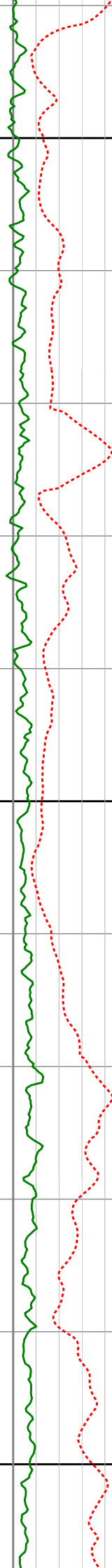








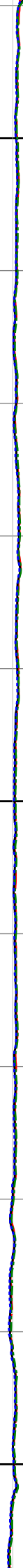


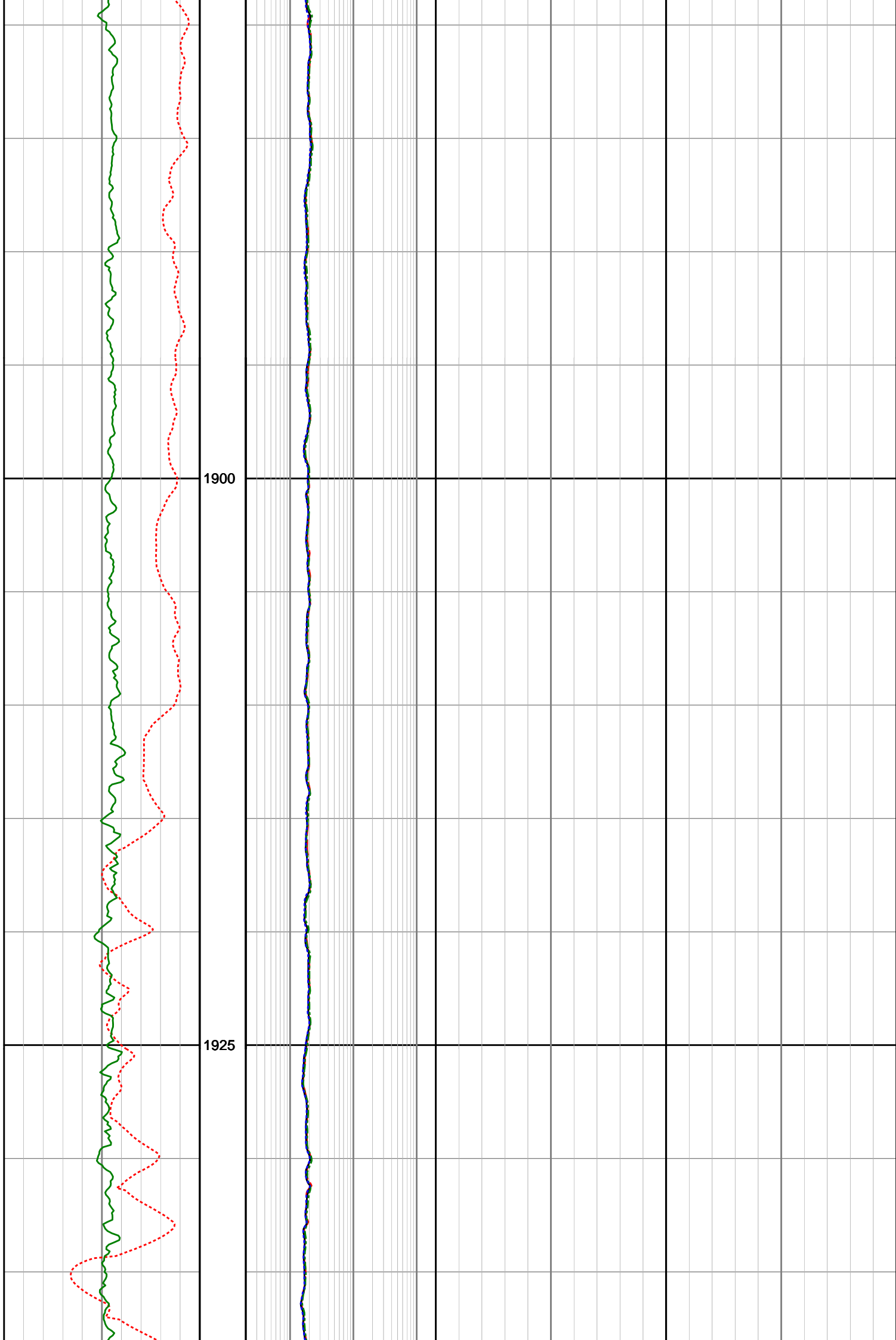


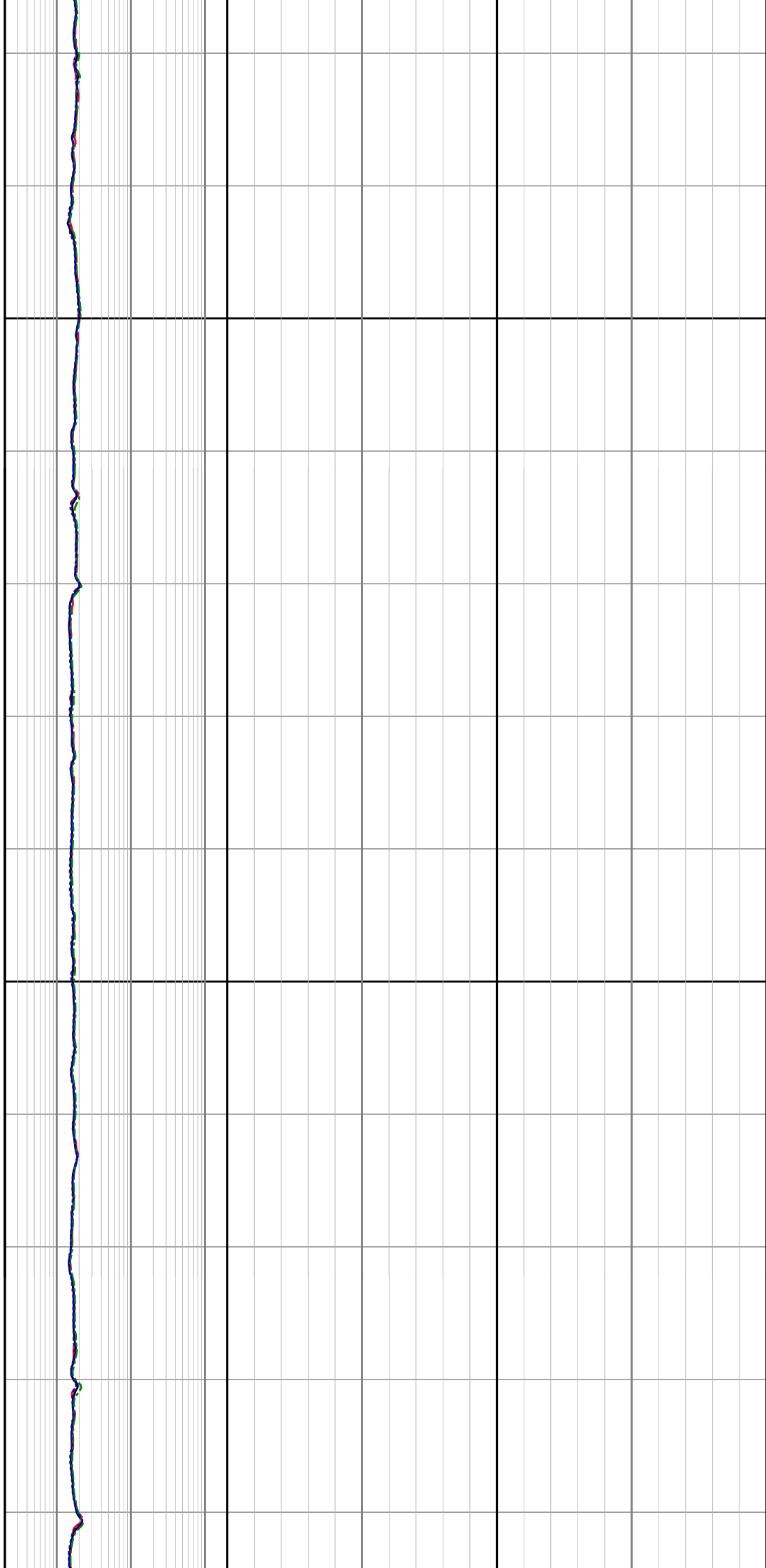
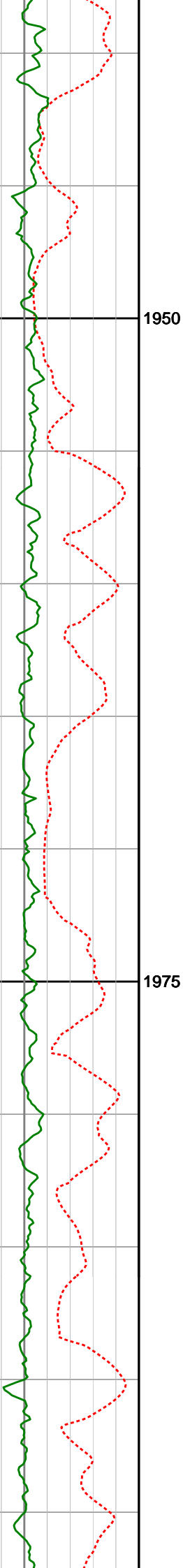
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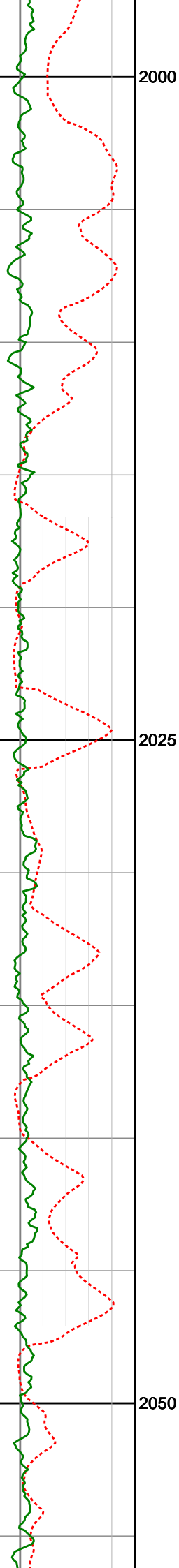
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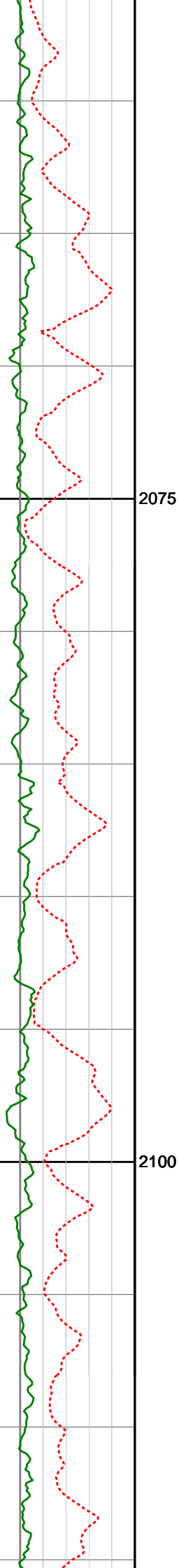




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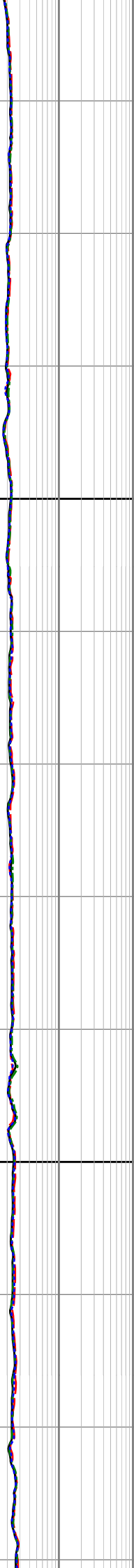
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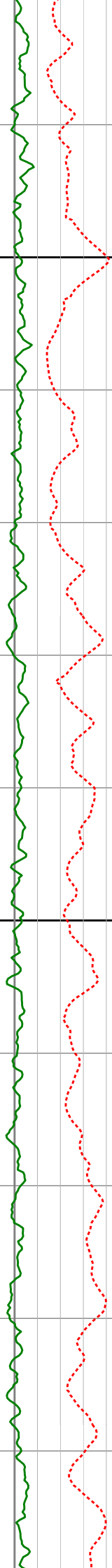
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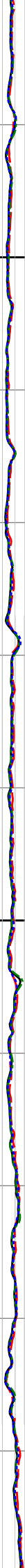
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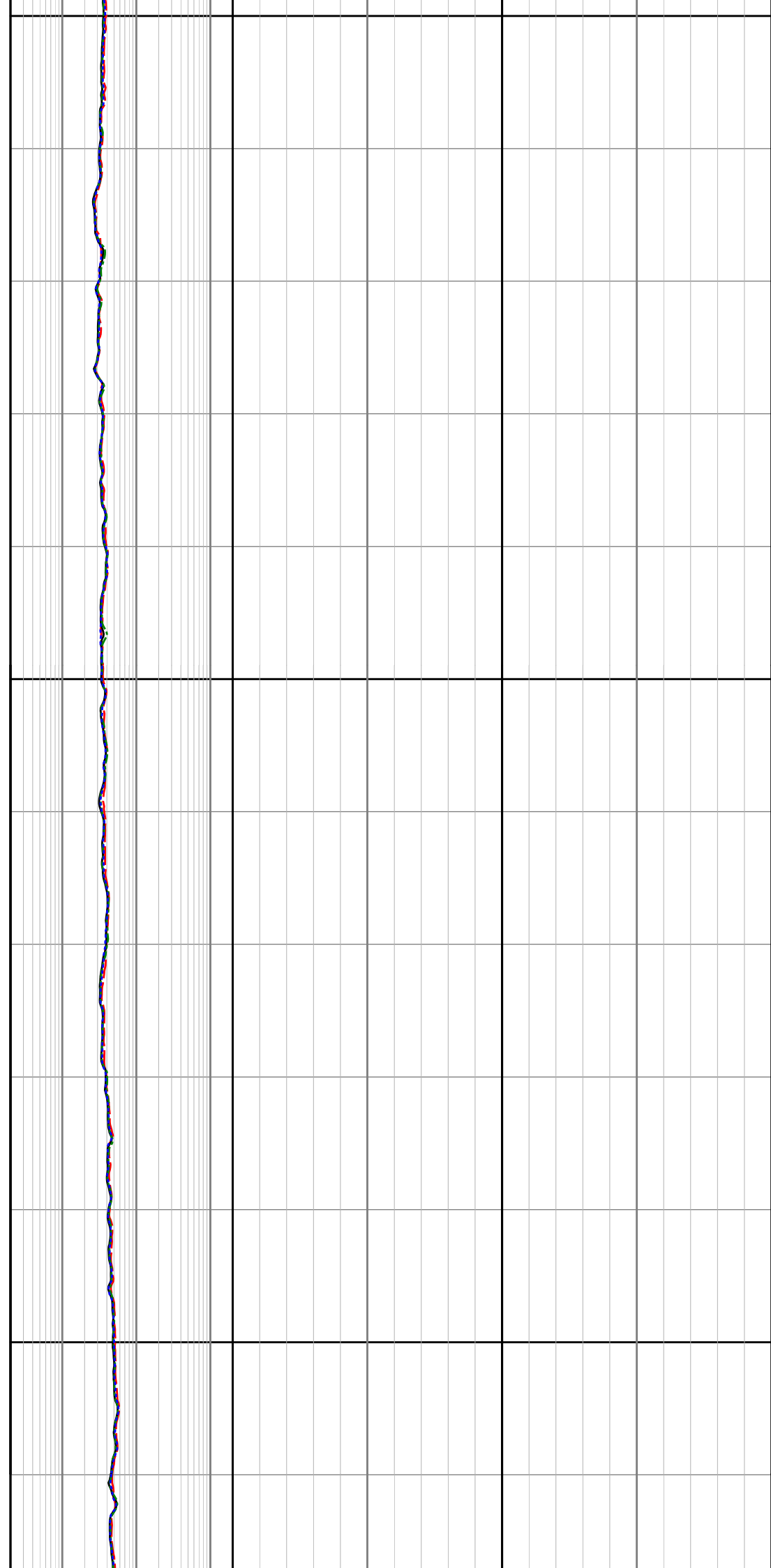
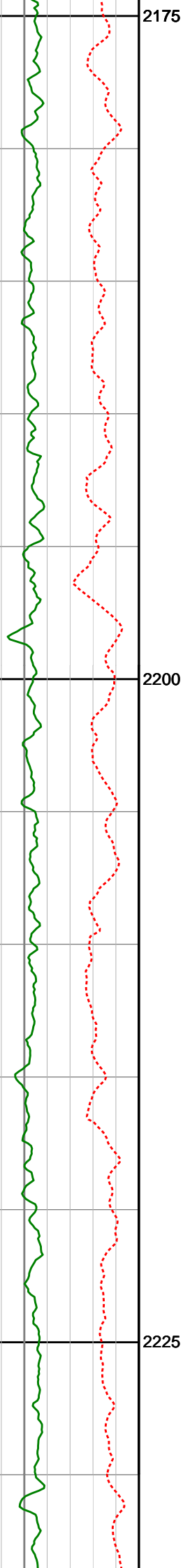


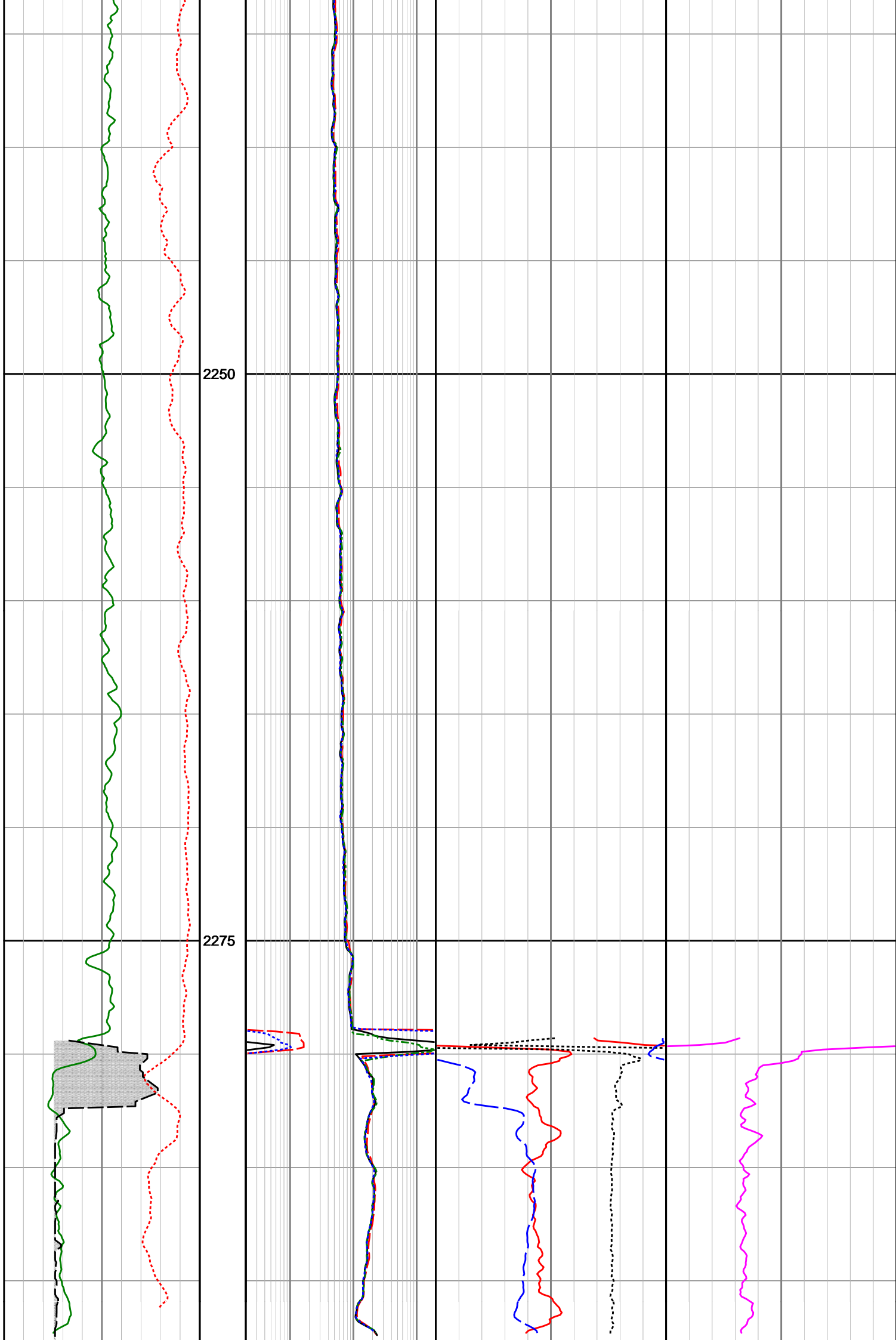


2125

2150







[illegible]

Sperry Drilling Services

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
650.000	5.18	173.38	649.360	21.420 S	2.120 E	15.001	TIE-IN
688.390	6.30	210.93	687.570	24.950 S	1.237 E	16.509	3.00
717.360	10.31	208.79	716.230	28.587 S	0.830 W	17.158	4.16
746.300	14.72	197.80	744.480	34.361 S	3.202 W	18.899	5.18
775.250	18.30	195.23	772.232	42.251 S	5.521 W	22.000	3.79
804.220	20.86	194.83	799.525	51.627 S	8.037 W	25.873	2.65
833.180	24.98	191.59	826.193	62.607 S	10.586 W	30.718	4.46
862.140	28.78	189.26	852.020	75.482 S	12.938 W	36.899	4.08
891.060	32.15	190.32	876.944	89.928 S	15.437 W	43.942	3.54
920.010	34.55	190.51	901.125	105.580 S	18.315 W	51.441	2.49
948.960	33.85	189.07	925.070	121.614 S	21.083 W	59.263	1.11
977.870	33.51	188.44	949.127	137.459 S	23.524 W	67.224	0.51
1006.770	32.88	188.81	973.311	153.102 S	25.896 W	75.113	0.69
1035.710	31.56	189.35	997.794	168.339 S	28.330 W	82.700	1.40
1064.580	31.61	196.12	1022.395	183.066 S	31.659 W	89.270	3.68
1093.400	33.36	198.23	1046.705	197.850 S	36.236 W	94.899	2.17
1122.380	34.19	197.83	1070.794	213.170 S	41.222 W	100.542	0.89
1151.260	33.03	195.24	1094.847	228.490 S	45.776 W	106.523	1.92
1180.180	32.68	194.25	1119.141	243.662 S	49.769 W	112.850	0.66
1209.130	32.85	194.31	1143.485	258.846 S	53.634 W	119.285	0.18
1238.050	32.69	194.61	1167.803	274.003 S	57.543 W	125.669	0.24
1266.970	32.70	195.15	1192.140	289.101 S	61.554 W	131.936	0.30
1295.890	32.87	195.56	1216.454	304.202 S	65.701 W	138.098	0.29
1324.790	33.17	196.36	1240.686	319.343 S	70.032 W	144.142	0.55
1353.720	32.35	196.87	1265.014	334.344 S	74.507 W	149.985	0.90
1382.600	31.60	196.07	1289.513	349.009 S	78.844 W	155.728	0.89

1411.510	31.20	196.12	1314.189	363.481 S	83.020 W	161.476	0.42
1440.360	31.66	195.63	1338.806	377.951 S	87.135 W	167.271	0.55
1469.240	33.20	195.26	1363.181	392.879 S	91.258 W	173.345	1.61
1498.120	33.15	196.11	1387.354	408.093 S	95.530 W	179.480	0.49
1527.010	32.27	197.10	1411.662	423.054 S	99.990 W	185.311	1.07
1555.950	32.13	197.42	1436.151	437.781 S	104.565 W	190.905	0.23
1584.900	32.14	197.54	1460.666	452.469 S	109.191 W	196.436	0.07
1613.830	31.59	196.05	1485.236	467.088 S	113.605 W	202.090	1.00
1642.730	31.64	196.36	1509.847	481.636 S	117.833 W	207.845	0.18
1671.670	31.29	196.58	1534.532	496.122 S	122.116 W	213.518	0.38
1700.540	31.70	196.96	1559.149	510.563 S	126.468 W	219.109	0.47
1729.450	31.83	196.87	1583.728	525.124 S	130.896 W	224.716	0.14
1758.400	32.33	194.83	1608.259	539.913 S	135.093 W	230.645	1.24
1787.330	31.96	195.03	1632.754	554.786 S	139.058 W	236.808	0.40
1816.310	32.21	195.30	1657.307	569.644 S	143.085 W	242.912	0.30
1845.270	32.04	193.45	1681.834	584.560 S	146.909 W	249.213	1.03
1874.190	32.87	193.78	1706.237	599.643 S	150.563 W	255.750	0.88
1903.180	31.63	193.99	1730.754	614.660 S	154.274 W	262.201	1.29
1932.120	31.27	194.24	1755.442	629.304 S	157.956 W	268.443	0.40
1961.070	31.95	194.74	1780.097	643.995 S	161.754 W	274.623	0.76
1989.910	32.22	189.82	1804.537	658.953 S	165.007 W	281.396	2.73
2018.810	32.07	182.90	1829.015	674.212 S	166.710 W	289.569	3.82
2047.730	32.63	178.55	1853.449	689.676 S	166.901 W	299.053	2.48
2076.660	33.52	174.02	1877.695	705.421 S	165.871 W	309.666	2.72
2105.610	34.25	170.36	1901.730	721.404 S	163.674 W	321.342	2.25
2134.560	35.30	162.86	1925.521	737.437 S	159.843 W	334.326	4.56
2163.440	36.78	153.99	1948.889	753.192 S	153.588 W	349.034	5.63
2192.410	37.04	147.72	1972.061	768.369 S	145.122 W	365.110	3.91
2221.340	37.25	147.33	1995.121	783.106 S	135.742 W	381.628	0.33
2250.240	39.85	148.53	2017.721	798.369 S	126.185 W	398.612	2.81
2279.240	42.08	144.94	2039.621	814.252 S	115.750 W	416.669	3.35
2308.150	43.98	140.53	2060.758	829.935 S	103.800 W	435.786	3.69
2337.080	46.34	136.35	2081.161	845.267 S	90.187 W	455.986	3.93
2366.050	48.66	134.83	2100.732	860.519 S	75.238 W	477.181	2.67
2395.160	50.48	132.94	2119.610	875.874 S	59.267 W	499.241	2.39
2424.050	53.68	129.08	2137.367	890.810 S	42.066 W	522.000	4.59
2452.990	55.25	123.38	2154.195	904.709 S	23.076 W	545.514	5.08
2481.900	55.15	121.40	2170.696	917.425 S	3.032 W	569.115	1.69
2509.330	56.34	122.19	2186.135	929.371 S	16.237 E	591.630	1.48
2538.240	57.74	122.37	2201.864	942.326 S	36.744 E	615.742	1.46
2567.190	61.95	120.21	2216.404	955.314 S	58.134 E	640.566	4.77
2596.080	65.06	117.03	2229.294	967.687 S	80.828 E	666.027	4.38
2625.010	65.29	116.41	2241.440	979.492 S	104.281 E	691.727	0.63
2653.940	69.24	116.73	2252.618	991.426 S	128.140 E	717.825	4.11
2682.840	71.58	113.35	2262.310	1002.941 S	152.804 E	744.293	4.10
2712.930	72.42	112.26	2271.609	1014.033 S	179.184 E	771.839	1.33
2740.730	74.87	112.04	2279.436	1024.089 S	203.889 E	797.429	2.65
2760.530	76.93	111.88	2284.259	1031.270 S	221.698 E	815.834	3.13
2789.540	81.86	112.24	2289.597	1041.976 S	248.117 E	843.170	5.11
2818.500	87.26	113.06	2292.341	1053.075 S	274.712 E	870.889	5.66
2847.450	91.70	113.17	2292.604	1064.437 S	301.330 E	898.790	4.60
2876.380	97.39	113.51	2290.312	1075.858 S	327.799 E	926.610	5.91
2905.330	101.06	113.86	2285.672	1087.335 S	353.963 E	954.227	3.82
2934.260	102.06	114.41	2279.875	1098.923 S	379.828 E	981.679	1.18
2963.190	102.62	114.71	2273.692	1110.670 S	405.533 E	1009.105	0.66
2992.130	102.45	112.78	2267.410	1122.045 S	431.390 E	1036.418	1.96
3021.100	100.84	108.83	2261.561	1132.118 S	457.908 E	1063.437	4.34
3050.040	100.25	110.72	2256.264	1141.743 S	484.680 E	1090.377	2.02
3078.940	100.82	109.65	2250.980	1151.547 S	511.347 E	1117.345	1.24
3107.890	100.67	108.82	2245.582	1160.917 S	538.201 E	1144.190	0.86
3136.860	98.37	105.95	2240.790	1169.450 S	565.463 E	1170.831	3.78
3165.840	96.81	104.34	2236.962	1176.954 S	593.190 E	1197.196	2.31
3195.210	95.81	101.40	2233.734	1183.455 S	621.645 E	1223.505	3.15
3253.070	96.12	101.34	2227.721	1194.800 S	678.063 E	1274.707	0.16
3282.020	95.38	101.48	2224.820	1200.498 S	706.297 E	1300.344	0.78
3310.990	94.02	101.74	2222.447	1206.309 S	734.579 E	1326.087	1.43
3339.940	92.66	101.22	2220.760	1212.061 S	762.900 E	1351.826	1.51
3368.840	92.41	99.37	2219.482	1217.220 S	791.306 E	1377.261	1.94
3397.770	91.42	97.62	2218.515	1221.491 S	819.901 E	1402.291	2.08
3426.720	92.60	99.37	2217.499	1225.765 S	848.514 E	1427.337	2.19
3455.570	92.29	98.64	2216.269	1230.276 S	876.983 E	1452.417	0.82
3484.490	92.29	97.77	2215.113	1234.400 S	905.583 E	1477.360	0.90
3513.420	91.61	97.05	2214.129	1238.129 S	934.255 E	1502.112	1.03
3542.380	90.19	96.08	2213.674	1241.440 S	963.020 E	1526.677	1.78
3571.300	88.52	94.45	2213.999	1244.093 S	991.815 E	1550.855	2.42

3600.240	86.18	94.28	2215.337	1246.293 S	1020.638 E	1574.773	2.43
3629.180	85.43	94.07	2217.454	1248.395 S	1049.423 E	1598.601	0.81
3658.150	82.83	94.52	2220.417	1250.552 S	1078.158 E	1622.423	2.73
3687.120	79.76	93.37	2224.801	1252.523 S	1106.722 E	1645.997	3.39
3715.070	80.65	95.43	2229.556	1254.637 S	1134.182 E	1668.794	2.38
3744.950	81.33	96.49	2234.236	1257.702 S	1163.533 E	1693.664	1.25
3773.830	83.32	95.40	2238.093	1260.665 S	1191.999 E	1717.778	2.35
3802.710	85.81	97.87	2240.828	1263.988 S	1220.552 E	1742.185	3.64
3831.660	85.74	99.00	2242.961	1268.223 S	1249.110 E	1767.164	1.17
3860.590	86.73	99.67	2244.861	1272.905 S	1277.595 E	1792.363	1.24
3889.570	84.94	99.10	2246.965	1277.618 S	1306.110 E	1817.606	1.94
3918.450	84.50	98.36	2249.623	1281.983 S	1334.534 E	1842.561	0.89
3947.390	85.99	98.56	2252.022	1286.226 S	1363.060 E	1867.519	1.56
3976.360	88.03	99.24	2253.533	1290.702 S	1391.640 E	1892.665	2.23
3987.000	88.80	99.50	2253.827	1292.434 S	1402.134 E	1901.953	2.29

CALCULATION BASED ON MINIMUM CURVATURE METHOD










SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 128.53 DEGREES (GRID)
A TOTAL CORRECTION OF 12.29 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 3987.000 METRES
IS 1906.926 METRES ALONG 132.67 DEGREES (GRID)

Date Printed:27 September 2006

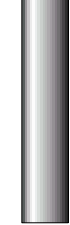








MWD RUN 100 - BHA			MWD RUN 100 - MWD		
	Component Length (m)			Sensor Measure Point Distance To Bit (m)	
Heavy Weight	48.310	Positive Pulser			
Jar	9.700	TM			
Heavy Weight	144.730	HCIM Insert			
X-Over Sub	1.190	PWD Insert		16.060	
Spiral Drill Collar	26.750	EWR-P4 Insert		13.560	
Non-Magnetic	8.480				

Float Sub		1.080	DDS Insert		
MWD		14.44	DGR Insert		11.210
Flex		2.770	DM Sonde		8.700
MWD		6.620	AGR Insert		
PDC		.620			

MWD RUN 200 - BHA





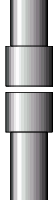






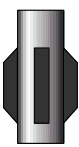


MWD RUN 200 - MWD

	Component Length (m)		Sensor Measure Point Distance To Bit (m)
Heavy Weight	19.200	TM	
Jar	9.860	Positive Pulser	
Heavy Weight	57.810	PWD Insert	27.290
X-Over Sub	1.300	ACAL Insert	23.530
Non-Magnetic	18.810	CTN Insert	24.590
Float Sub	.800	ALD Insert	20.520
		HCIM Insert	
		EWR-P4 Insert	

MWD		22.01			12.890
			DDS Insert		0
Flex		2.800	DGR Insert		10.560
Geo-Pilot		6.140	DM Sonde		8.020
PDC		.420	AGR Insert		

MWD RUN 300 - BHA

MWD RUN 300 - MWD

		Component Length (m)			Sensor Measure Point Distance To Bit (m)
Heavy Weight		19.190	ACAL Insert		
Jar		9.860	TM		
Heavy Weight		57.810	Positive Pulser		
X-Over Sub		1.300	PWD Insert		26.880
Non-Magnetic		18.810	CNP Insert		24.290
Float Sub		.800	ALD Insert		21.430
			HCIM Insert		
			EWR-P4 Insert		13.850

