

HALLIBURTON



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

1 : 200

Sperry Drilling Services

Country : Australia			
Field : Thylacine			
Location : 39° 14' 14.47" South GDA94 142° 54' 7.58" East GDA94			
Well : THA02			
Company : Woodside Energy Ltd			
Rig : Maersk Guardian			
LOCATION		Company : Woodside Energy Ltd Rig : Maersk Guardian Well : THA02 Field : Thylacine Country : Australia DOE Number :	
Latitude : 39° 14' 14.47" South GDA94 Longitude : 142° 54' 7.58" East GDA94			
UTM Easting = 664,161.0 m UTM Northing = 5,655,159.6 m			
Permanent Datum : LAT	Elevation : 0.00 m	Elev. KB	
Log Measured From : Drill Floor	50.50 m Above Permanent Datum	DF 50.50 GL WD 99.30 m	
Drilling Measured From : Drill Floor	MD LOG		
Depth Logged : 638.00 m To 4,026.00 m	Unit No. : SSDS-40	Job No. : AU-FE-0003930658	
Date Logged : 20-May-06 To 17-Jun-06	Plot Type : Final		
Total Depth MD : 4,026.00 m TVD : 2,340.18 m	Plot Date : 03-Oct-06		
Spud Date : 20-May-06			
Run No.	Borehole Record (MD)		Run No.
	Size From To	Size From To	
1	762,000 mm 149.80 m 219.90 m		
2	584,000 mm 219.90 m 638.00 m		
3	311,000 mm 638.00 m 2,299.00 m		
4	216,000 mm 2,299.00 m 3,510.00 m		
5	216,000 mm 3,510.00 m 4,026.00 m		
		Casing Record (MD)	
		Size Weight From To	
		660,000 mm 397.68 kgpm 149.80 m 219.90 m	
		473,000 mm 139.89 kgpm 149.80 m 633.00 m	
		244,000 mm 70.00 kgpm 149.80 m 2,293.40 m	

WELL INFORMATION

MWD Run Number	300	400	500		
Date run completed	04-Jun-06	12-Jun-06	17-Jun-06		
Rig Bit Number	3	4	5		
Bit Size (mm)	311	216	216		
Tool Nominal OD (mm)	203	171	171		
Log Start Depth (MD, m)	638.00	2,299.00	3,510.00		
Log End Depth (MD, m)	2,299.00	3,510.00	4,026.00		
Drill or Wipe	Drilling	Drilling	Drilling		
Drill/Wipe Start Date and Time	30-May-06 20:00	08-Jun-06 00:05	13-Jun-06 16:15		
Drill/Wipe End Date and Time	03-Jun-06 06:57	12-Jun-06 07:45	16-Jun-06 00:15		
Min Inc (deg) @ Depth (MD, m)	3.73 @ 956.07	72.83 @ 2,295.60	41.91 @ 4,001.93		
Max Inc (deg) @ Depth (MD, m)	73.39 @ 2,259.31	93.22 @ 2,527.13	91.36 @ 3,510.20		
Bit TFA(in2) / Bit Type	1.83 / Sec FMF3653Z	1.10 / Sec FMF3653Z	1.10 / Sec FMF3653Z		
Flow Rate (gpm)	1050	730	725		
Max AV (mpm) / CV (mpm) @ MWD	117.5 / 131.0	207.0 / 181.8	201.6 / 155.4		
Fluid Type	Ester Blend	Ester Base	Ester Base		
Density (sg) / Viscosity (spl)	1.25 / 84.5	1.26 / 93.0	1.26 / 74.0		
Filtrate CL (ppm)	25,355	38,842	36,912		
pH / Fluid Loss (mptm)	N/A / 2.0	N/A / 3.0	N/A / 2		
PV (cP) / YP (pa)	38 / 13.89	42 / 17.28	35 / 11.49		
% Solids / % Sand	13.7 / 5.0	14.8 / 0.3	13.9 / 0.3		
% Oil / Oil:Water Ratio	60.5 / 72:28	62.5 / 75:25	65.0 / 77:23		
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	96 / EWR-P4	109 / EWR-P4	112 / EWR-P4		
Rm @ Max Tool Temp (degC)	N/A @ 96	N/A @ 109	N/A @ 112		
Lead MWD Engineer	P. King	M. Lee	M. Lee		
Customer Representative	D. Rota	S. Corless	S. Corless		

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM	HCIM	HCIM		
Software Version	68.18	72.13	72.13		
Sub Serial Number	152862	43987	43987		
Insert Serial Number	134502	161828	161828		
Date and Time Initialized	30-May-06 01:52	08-Jun-06 14:12	13-Jun-06 02:33		
Date and Time Read	04-Jun-06 04:50	12-Jun-06 23:24	19-Jun-06 14:10		

Directional Sensor Information

Tool Type	DM	DM	DM		
Distance From Bit (m)	8.61	8.92	8.02		
Software Version	3.15	3.15	3.15		
Sub Serial Number	CP1015763	CP919968	CP772990		
Sonde Serial Number	133447	133447	185534		
Sensor ID Number	N/A	N/A	N/A		
Toolface Offset (deg)	N/A	N/A	N/A		

Gamma Ray Sensor Information

Tool Type	DGR	DGR	DGR		
Distance From Bit (m)	11.04	11.37	10.49		
Recorded Sample Period (sec)	12	14	14		
Software Version	N/A	N/A	N/A		
Sub Serial Number	10718409	144358	144358		
Insert/Sonde Serial Number	172498	50437	50437		

Resistivity Sensor Information

Tool Type	EWR-P4	EWR-P4	EWR-P4		
Distance From Bit (m)	13.40	13.68	12.80		
Recorded Sample Period (sec)	14	14	14		
Software Version	1.38	1.38	1.38		
Sub Serial Number	37661	136366	136366		
Receiver Insert Serial Number	205859	61101	61101		
Transmitter Insert Serial Number	151389	77011	77011		
Receiver Orientation	Down	Down	Down		

Neutron Sensor Information

Tool Type		CTN	CTN		
Distance From Bit (m)		25.34	24.46		
Recorded Sample Period (sec)		20	20		
Sub Serial Number		10603697	10603697		
Insert Serial Number		192981	192981		
Source Serial Number		0102NN	0102NN		
Source Factor		N/A	N/A		
Pin Orientation		Up	Up		

Density Sensor Information

Tool Type		ALD	ALD		
Distance From Bit (m)		21.27	20.39		
Recorded Sample Period (sec)		20	20		
Software Version		2.13	2.13		
Sub Serial Number		10718174	10718174		
Insert Serial Number		215918	215918		
Sensor ID Number		32081	32081		
Source Serial Number		2434GW	2434GW		
Pin Orientation		Up	Up		

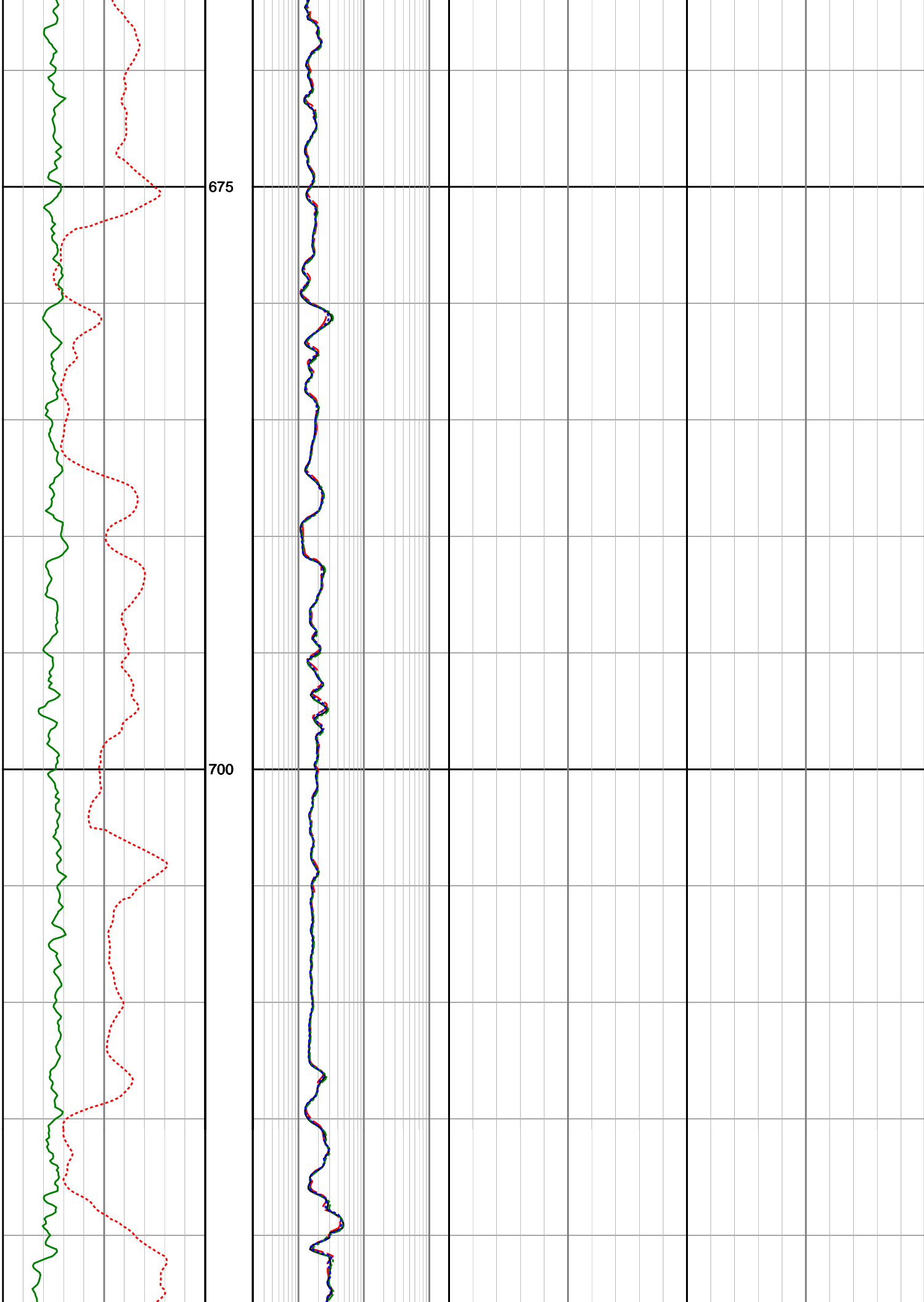
Stabilizer Blade O.D. (mm)		209.550	209.550		
DPA Offset		132.00	211.50		

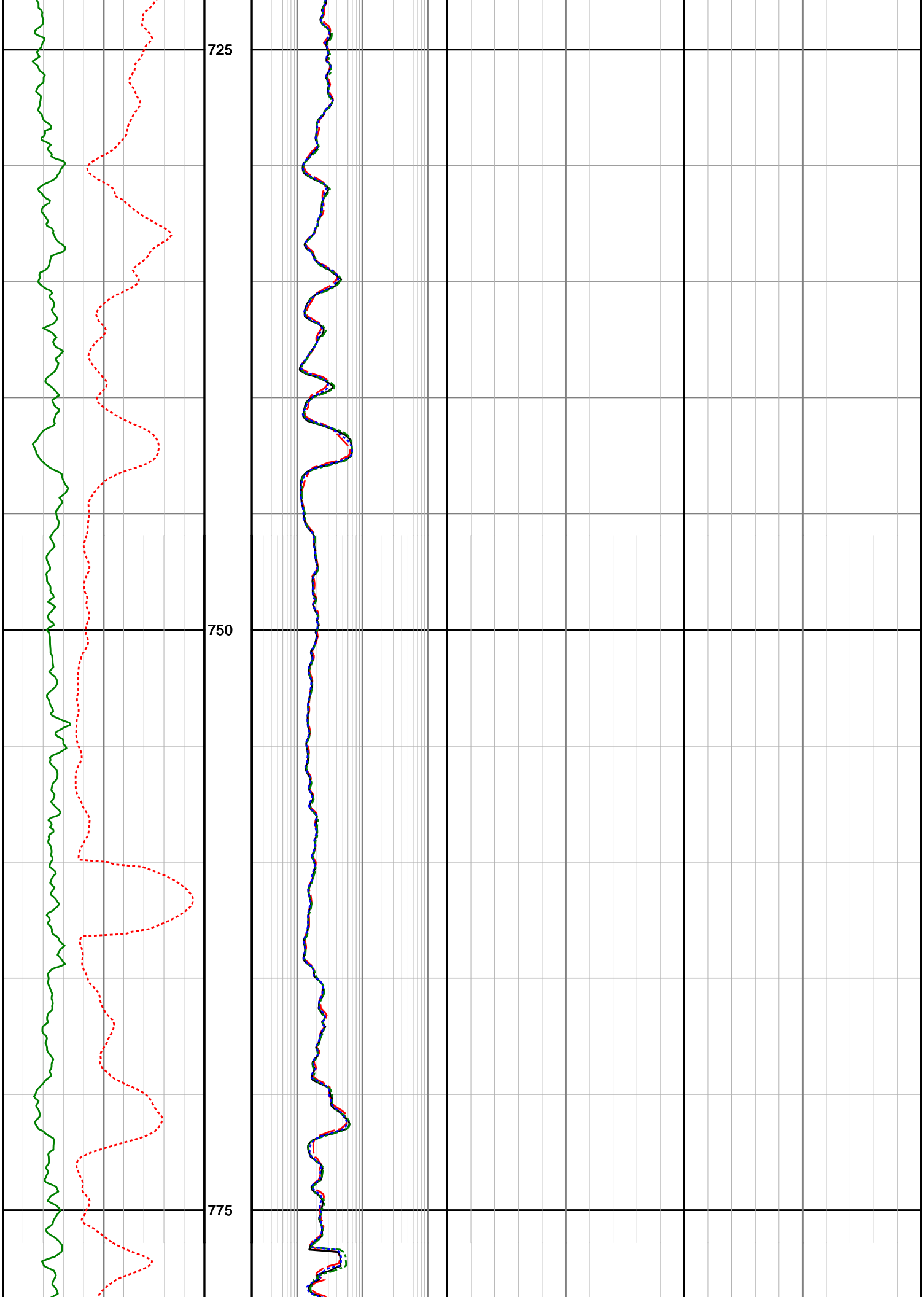
Caliper Sensor Information					
Tool Type		ACAL	ACAL		
Distance From Bit (m)		24.28	23.40		
Software Version		2.05	2.05		
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Insert Serial Number		192981	192981		

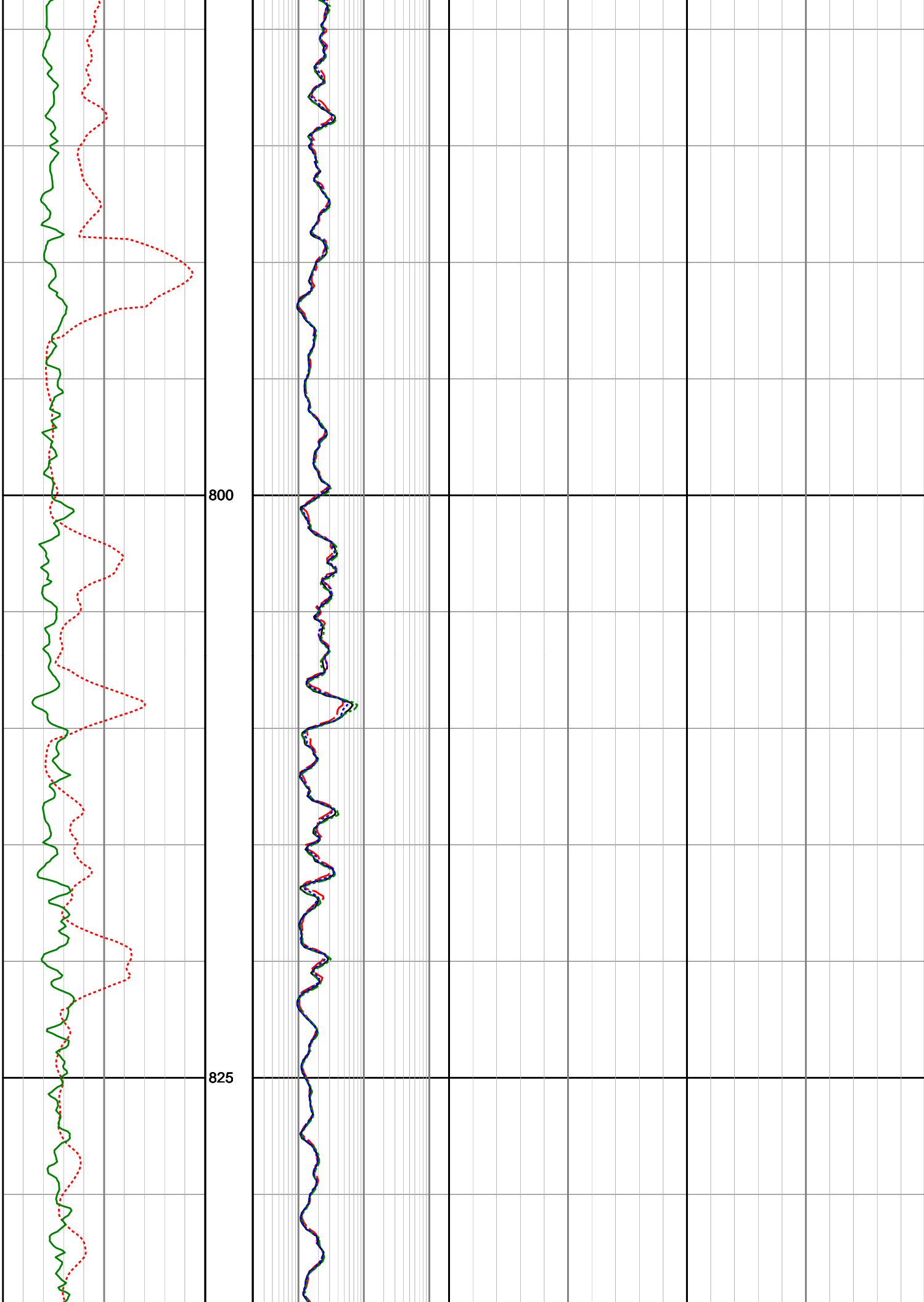
REMARKS
<p>1.) All depths are bit depths and are referenced to the driller's pipe tally unless otherwise noted.</p> <p>2.) AV/CV values are calculated at the LWD collar using the Bingham Law for oil based mud, measured in m/min.</p> <p>3.) Curve Mnemonics used are:</p> <p>SGRC - Smoothed Combined Gamma 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 Best Bin Stand Off Correction, g/cc SBD2 - Smoothed Best Bin Bulk Density, g/cc SNP2 - Smoothed Near Detector Pe, b/e TNPL - Smoothed Compensated Thermal Neutron Porosity (LS), v/v</p> <p>4.) Resistivity data has been corrected for borehole effects.</p> <p>5.) CTN data has been processed using the following parameters and is based on Limestone matrix:</p> <p>MW = 1.25 - 1.26 sg Formation Salinity = 15,000 ppm Cl Mud Salinity = 38,842 - 41,902 ppm Cl Matrix Density = 2.71 g/cc Fluid Density = 1.00 g/cc</p> <p>6.) CTN data has been reprocessed using hole size derived from the Acoustic Caliper tool.</p> <p>7.) Caliper data presented from 2293.0 to 2494.2 mMDRT is Hole Size Indicator from the ALD tool.</p>

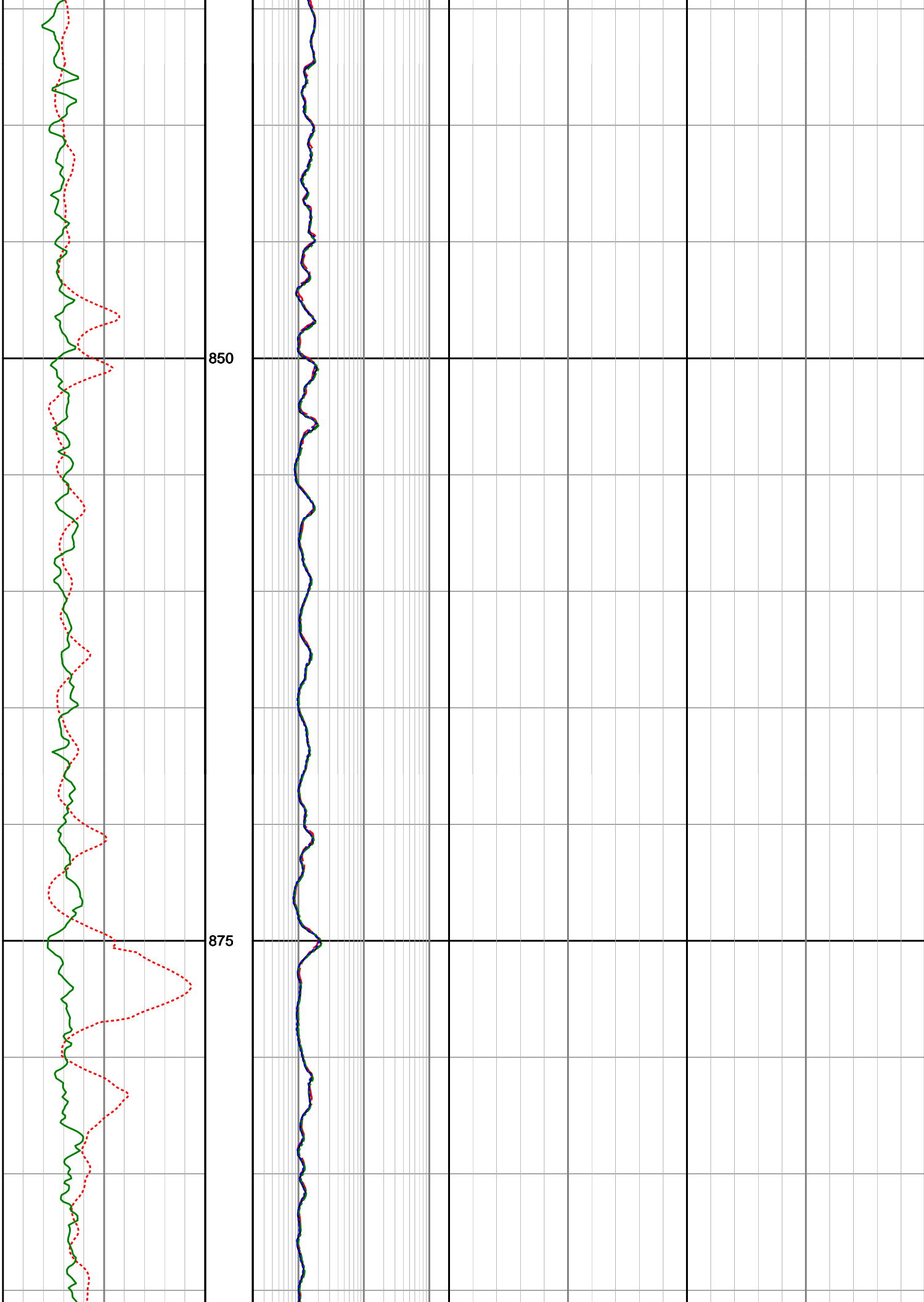
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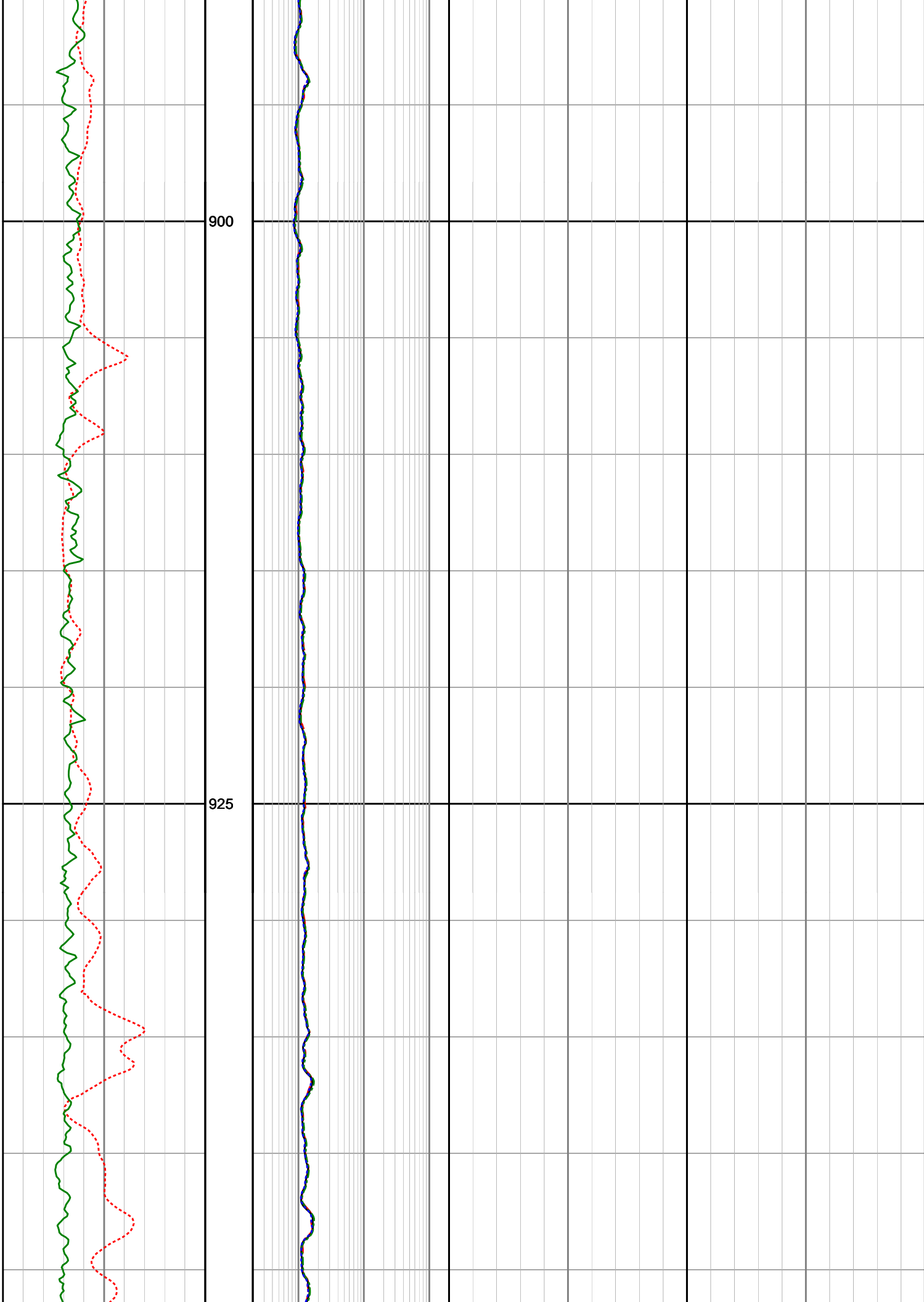
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0.2	(SEDP)	200

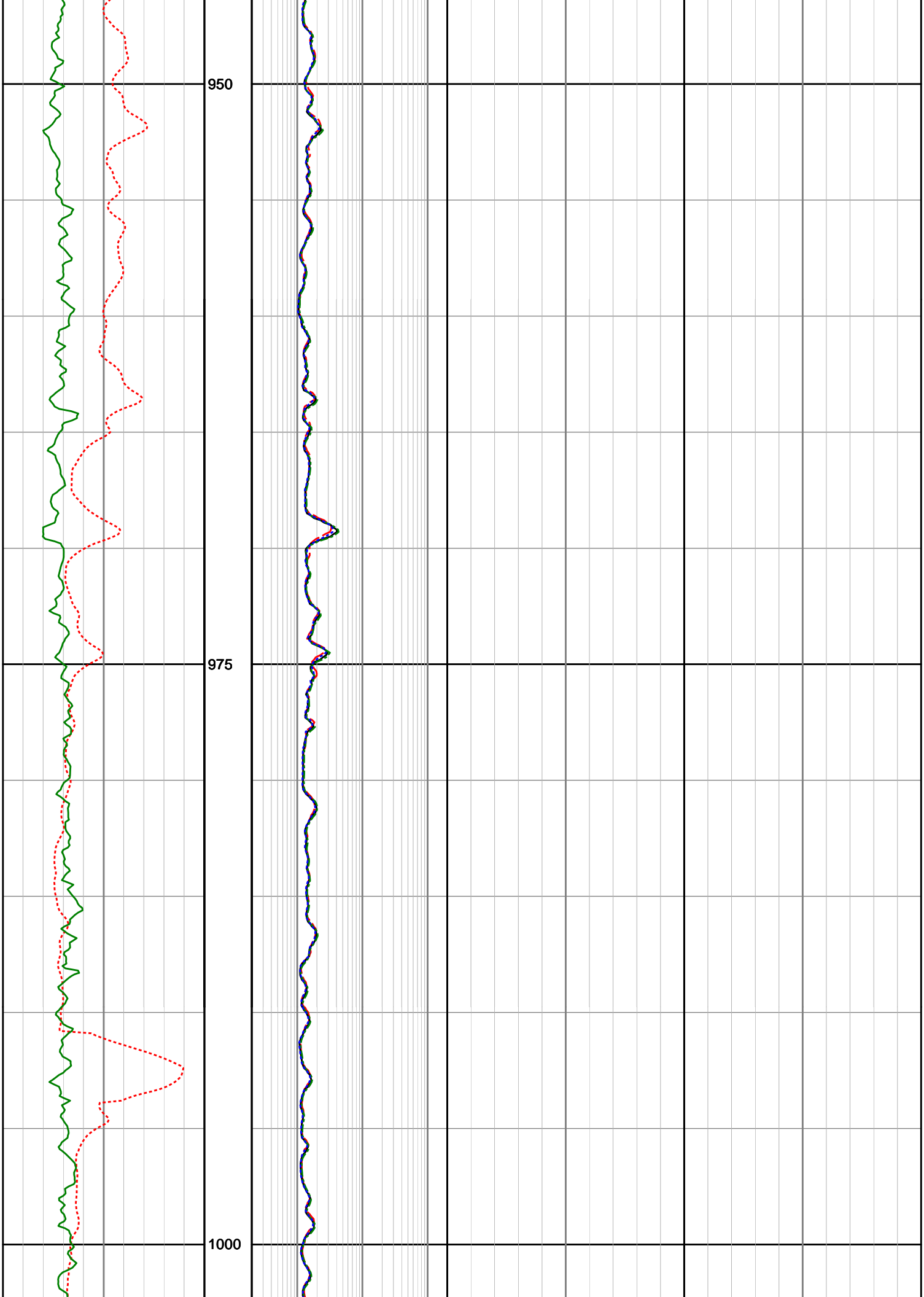


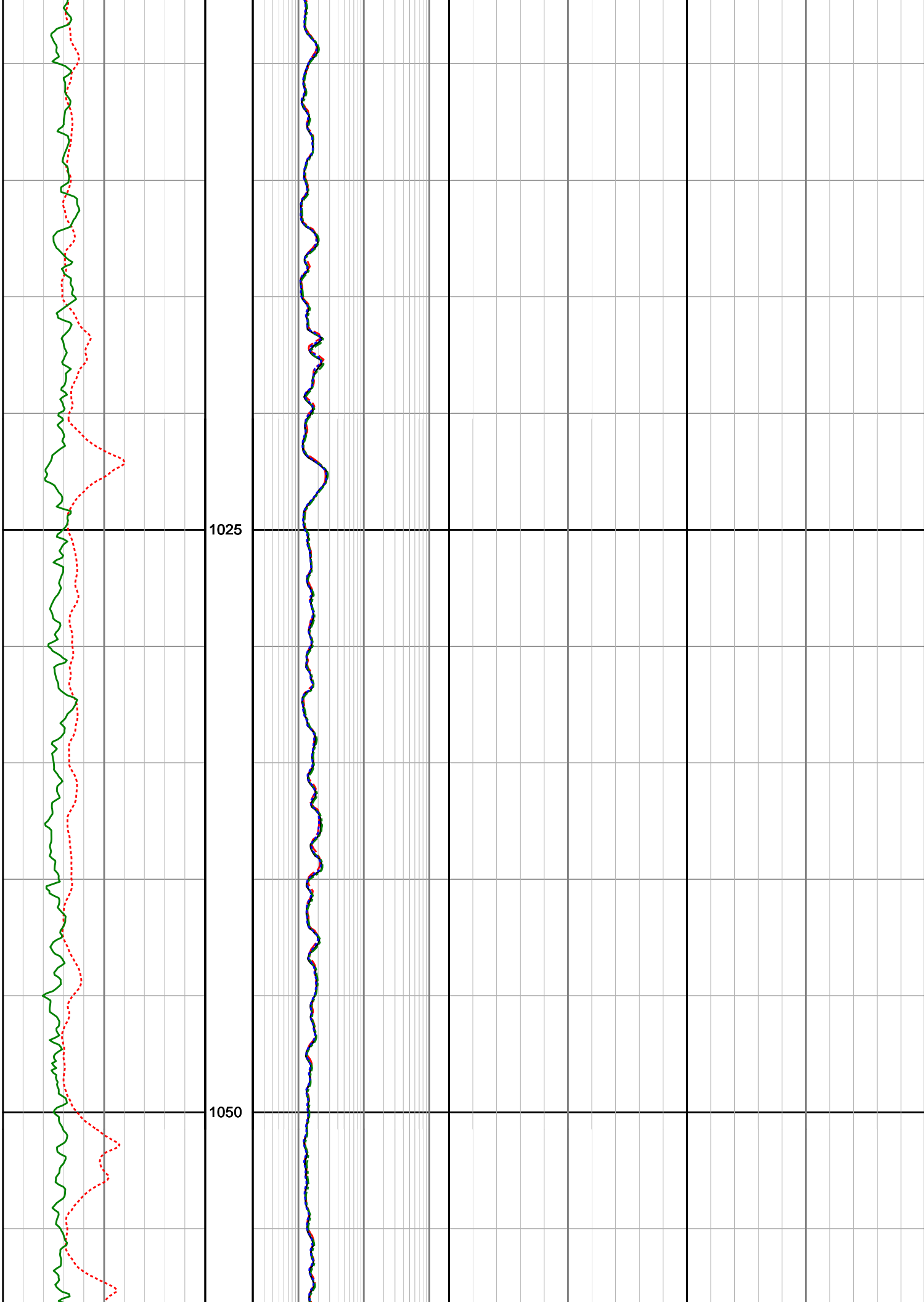


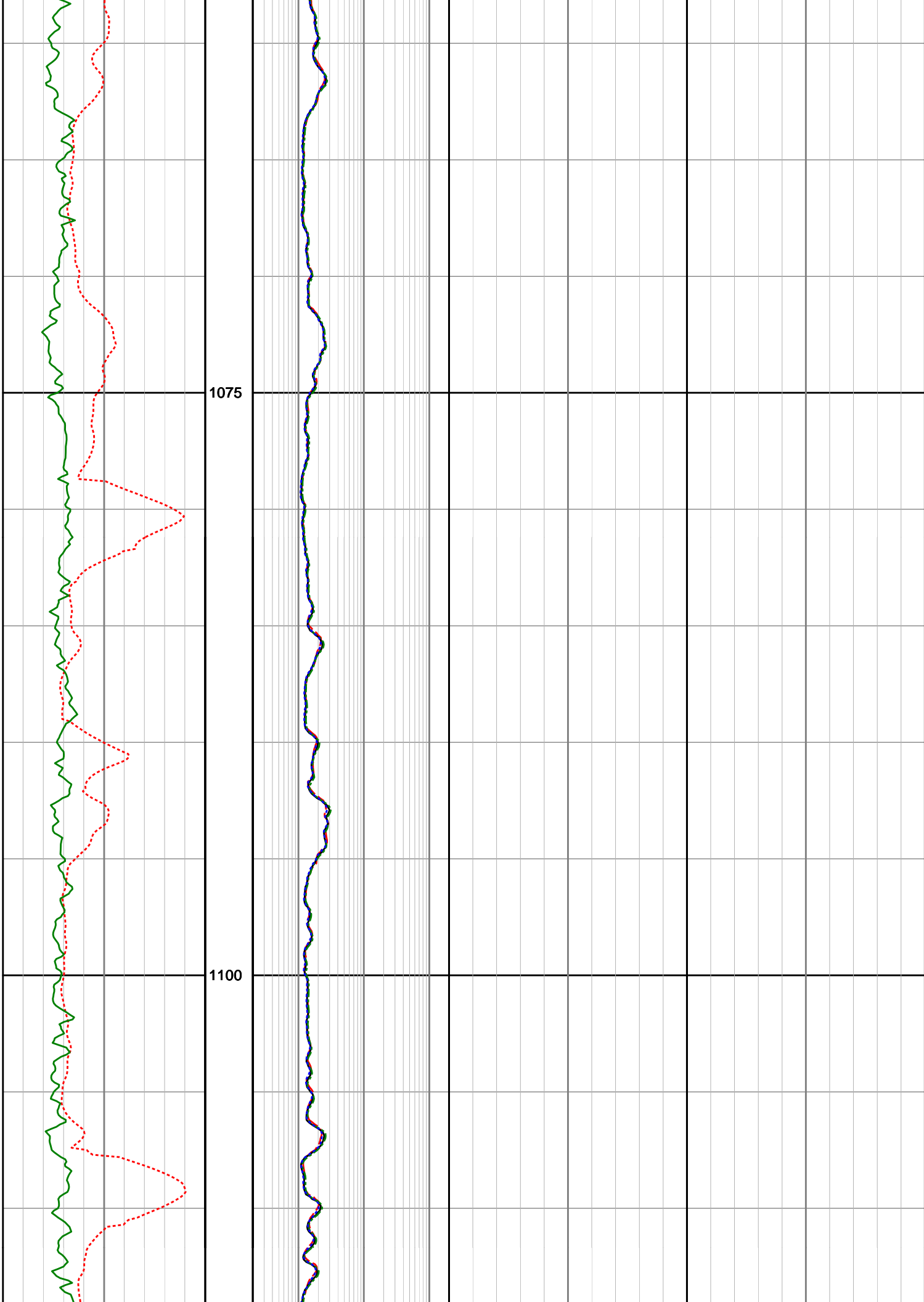


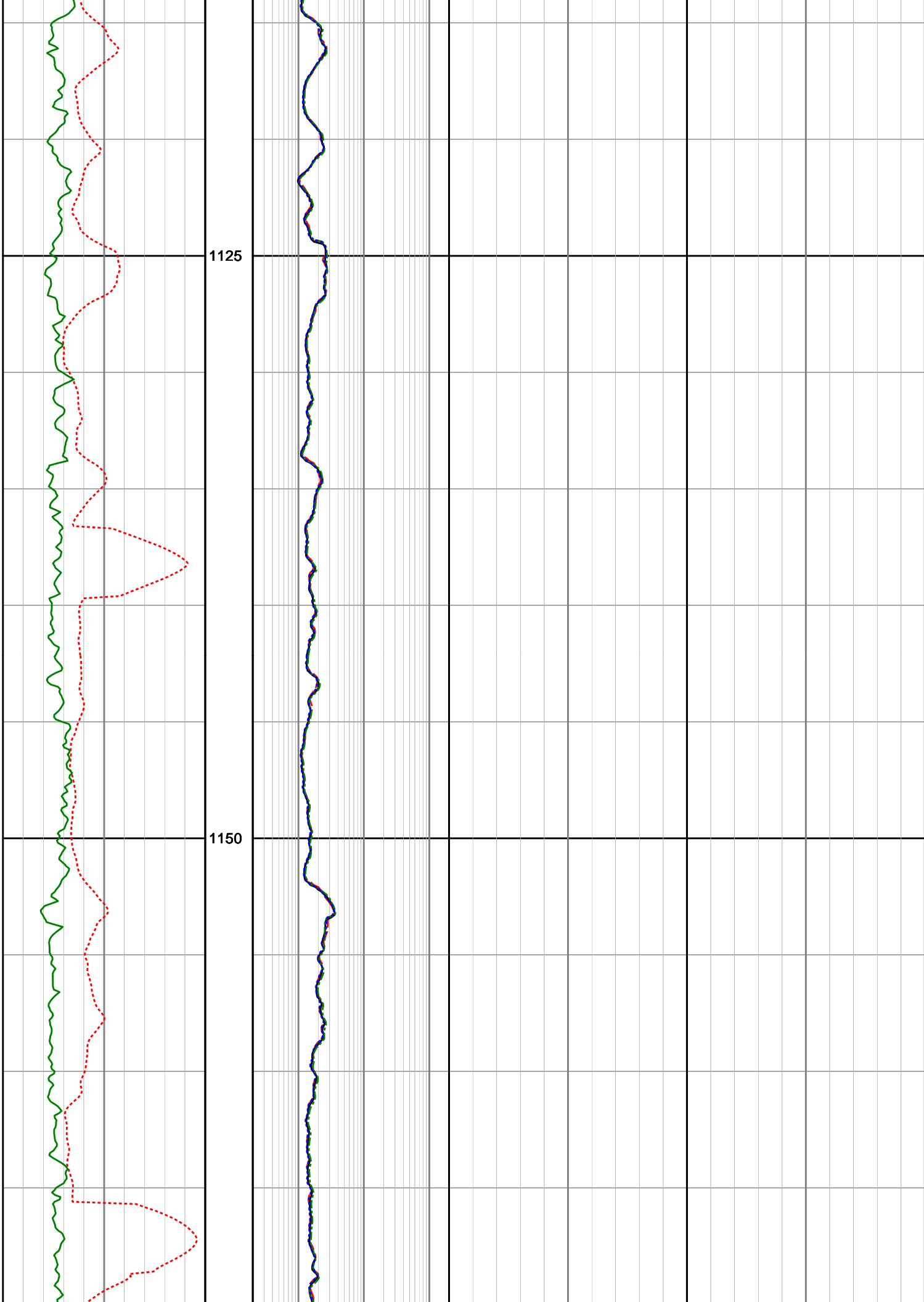


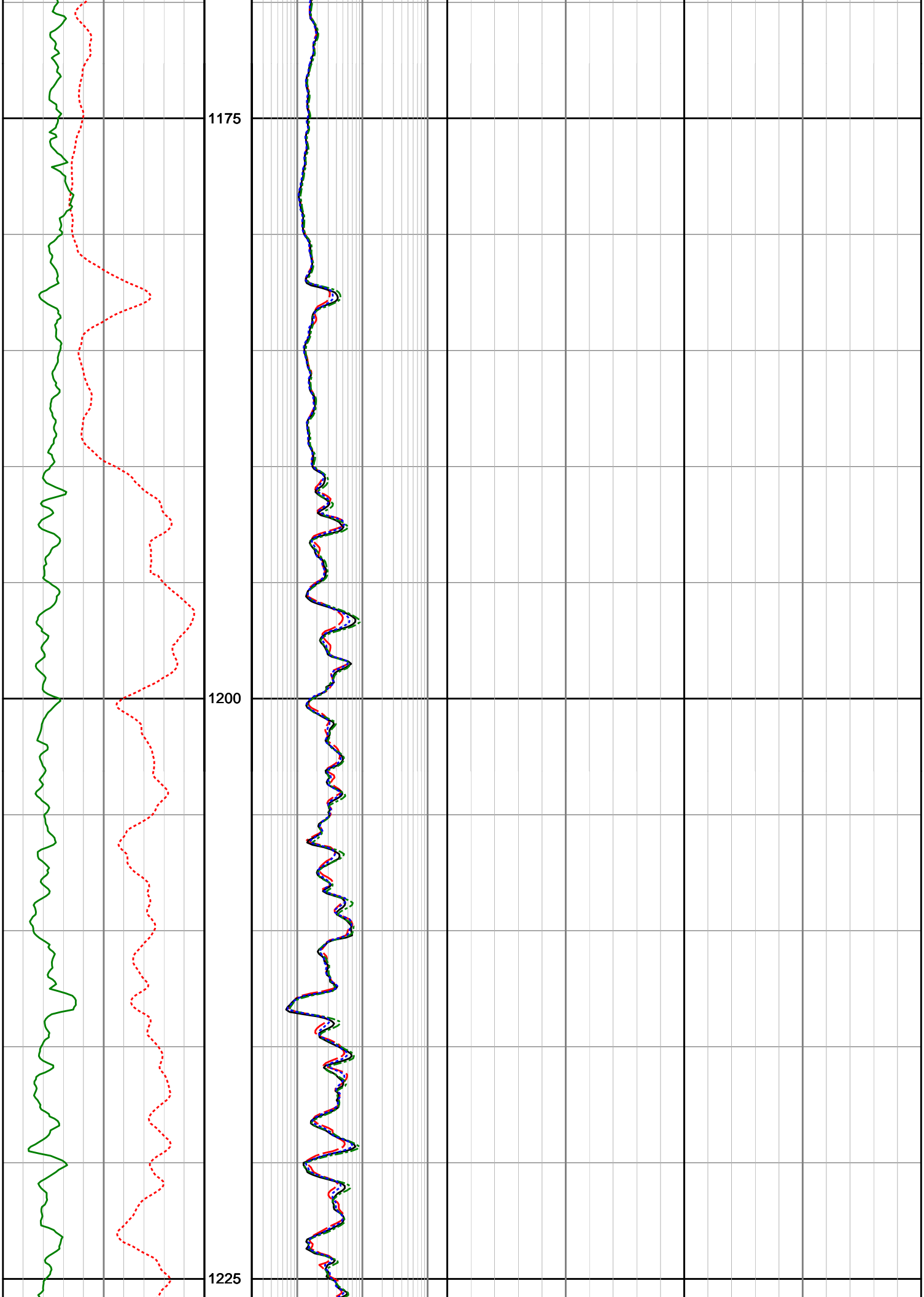


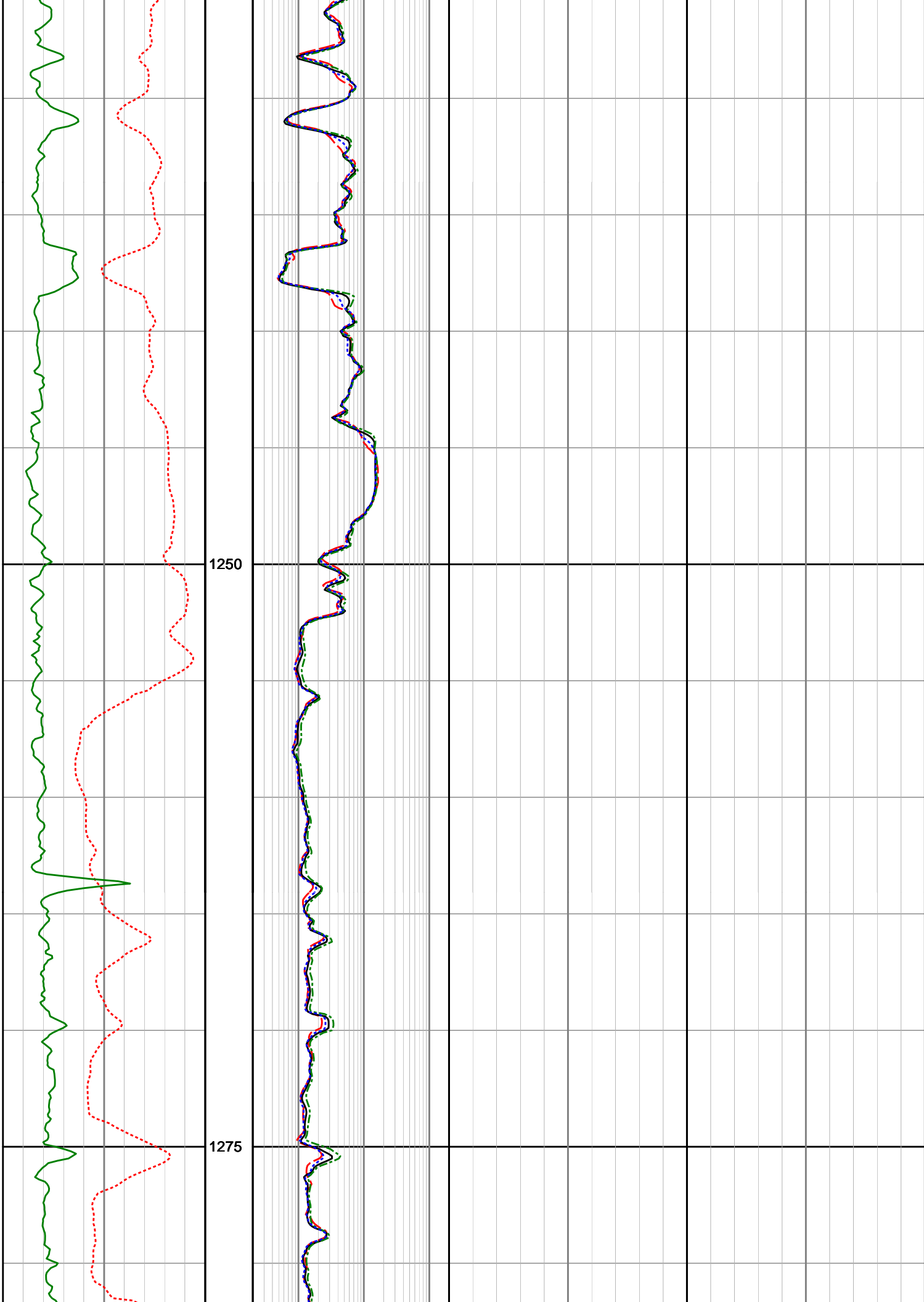


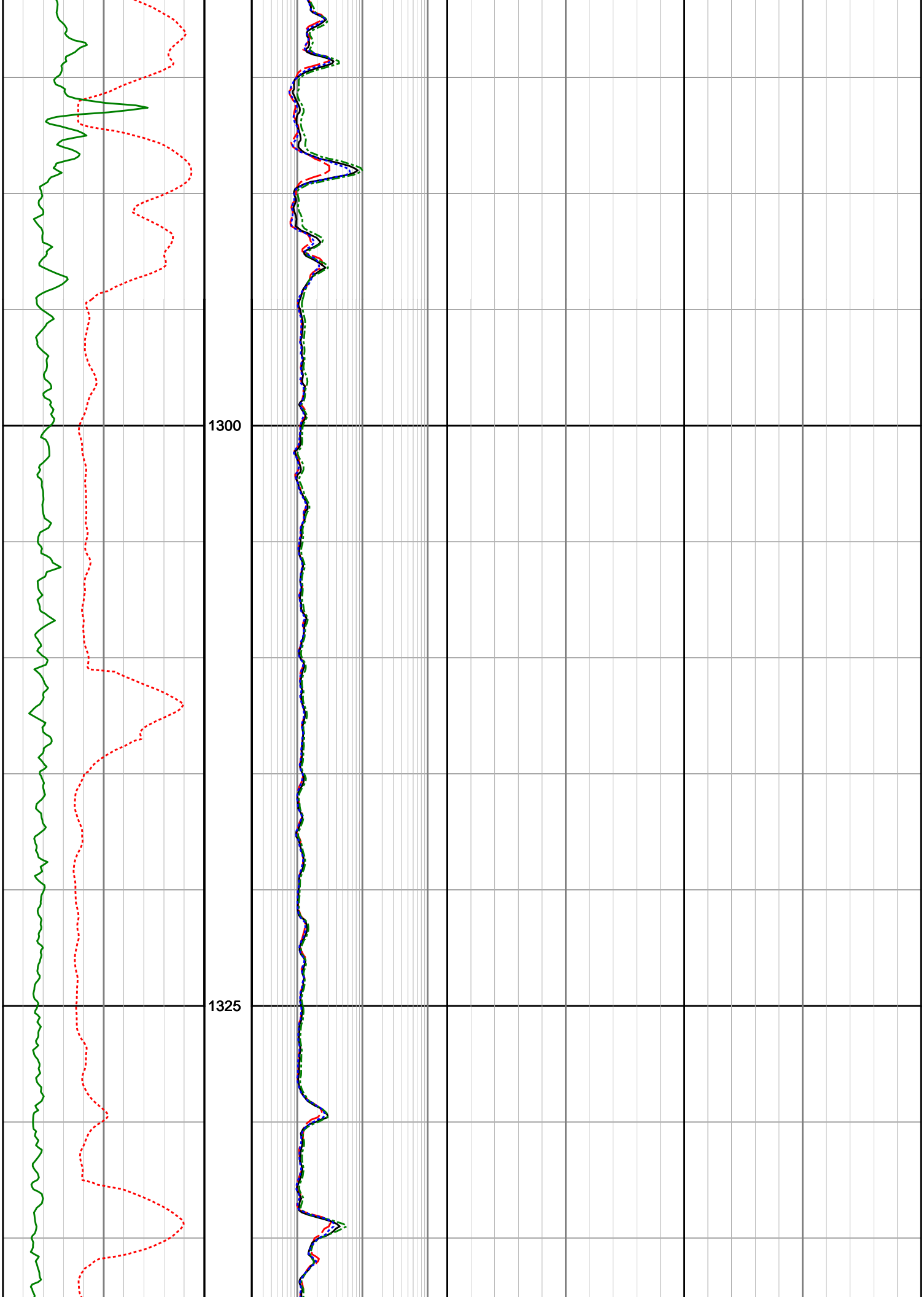


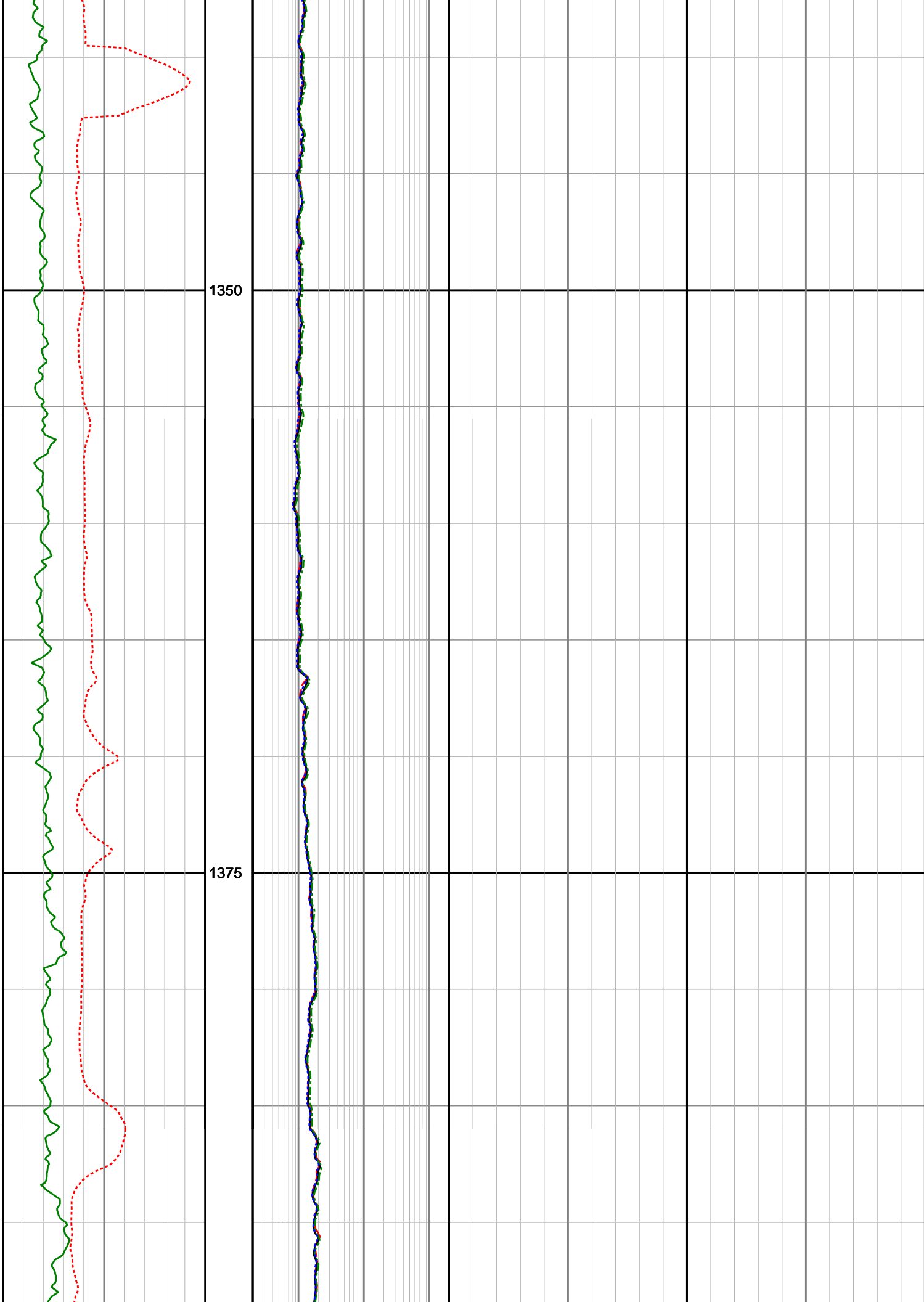


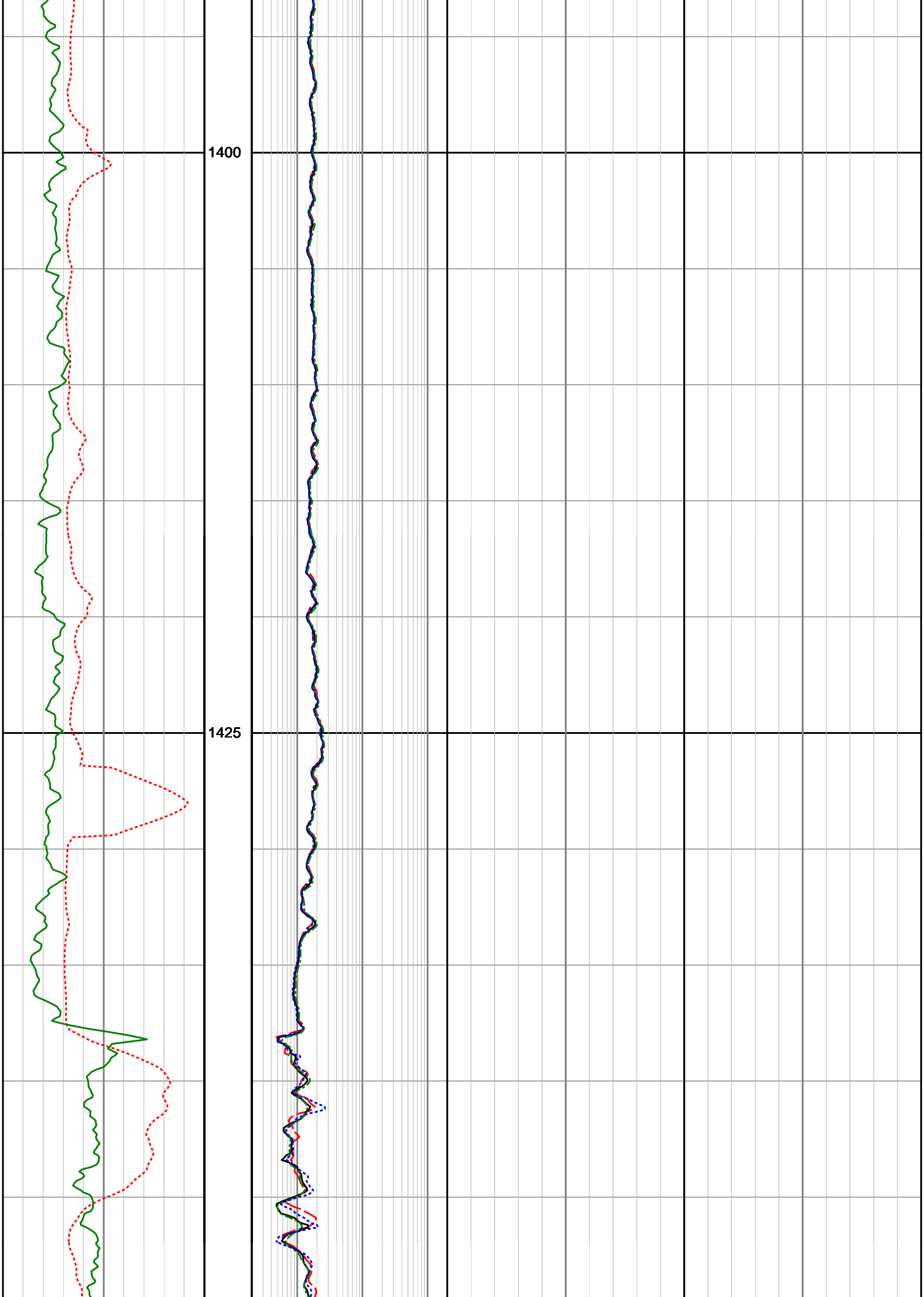


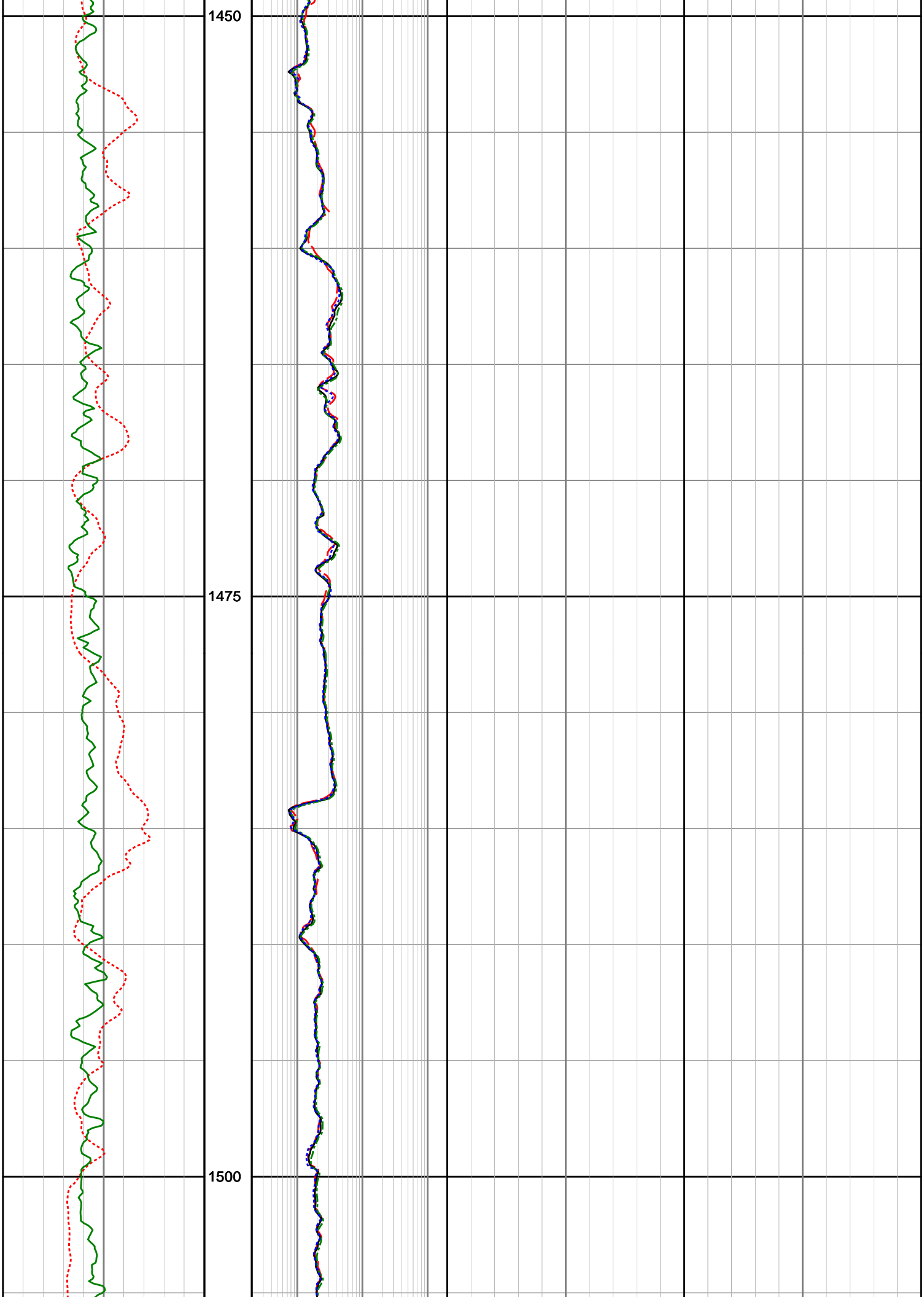


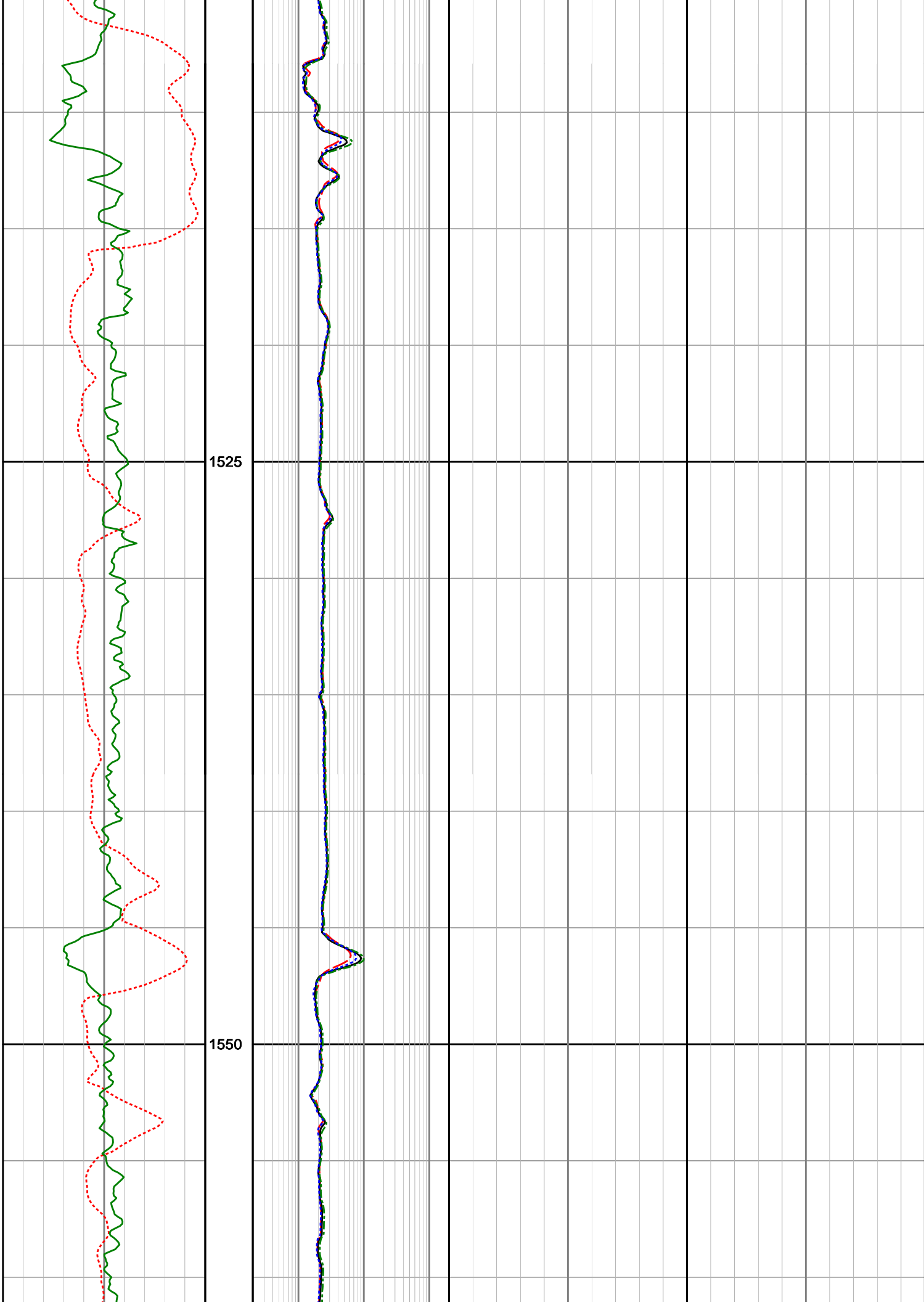


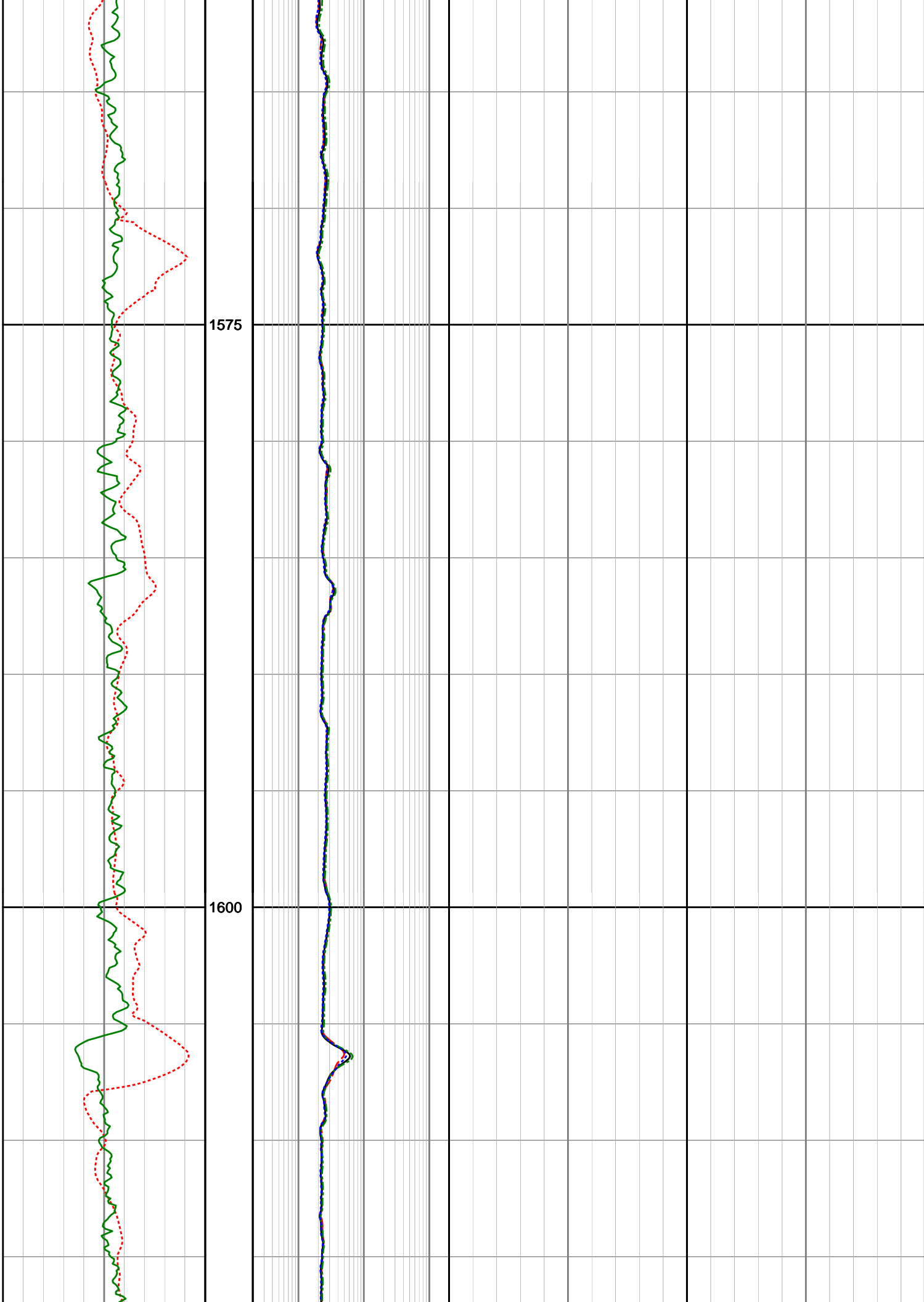


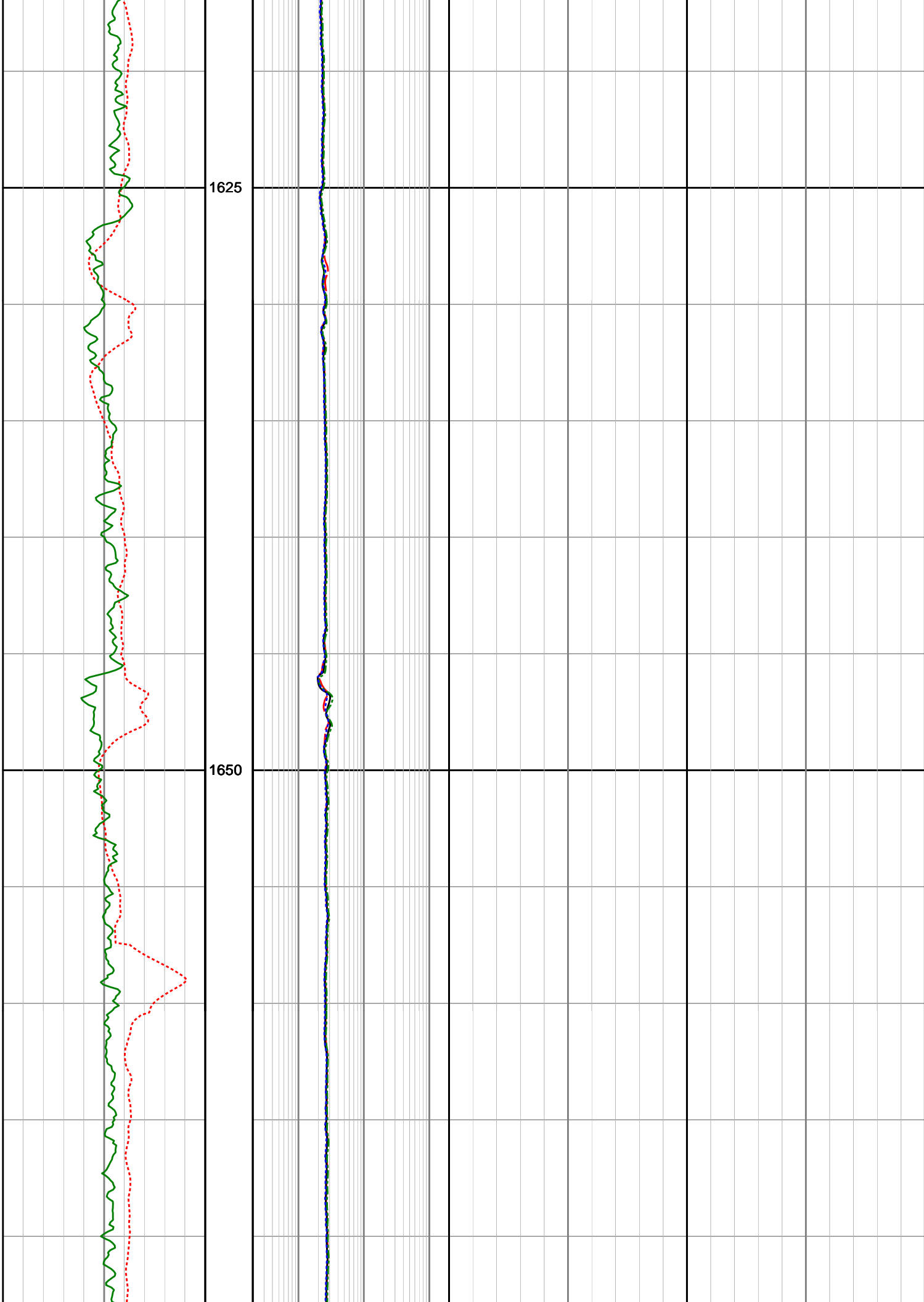


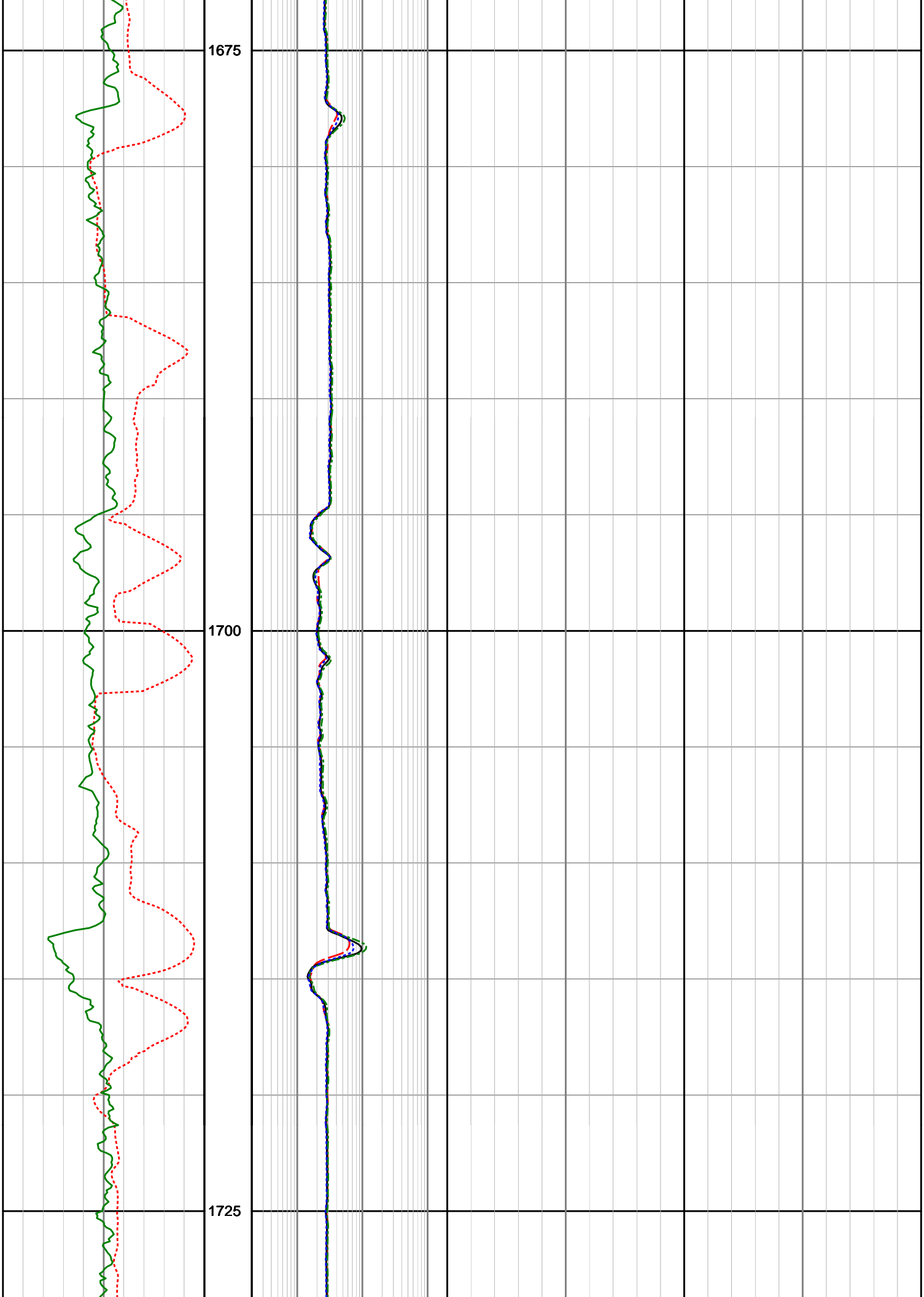


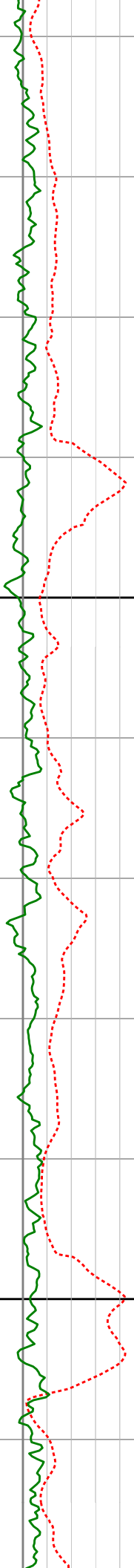






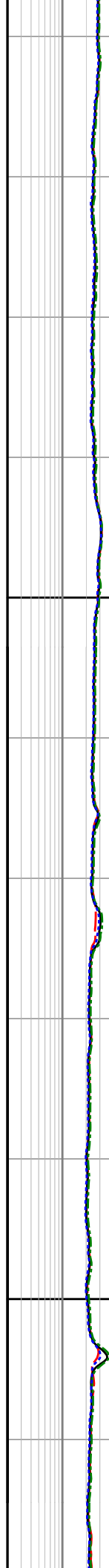


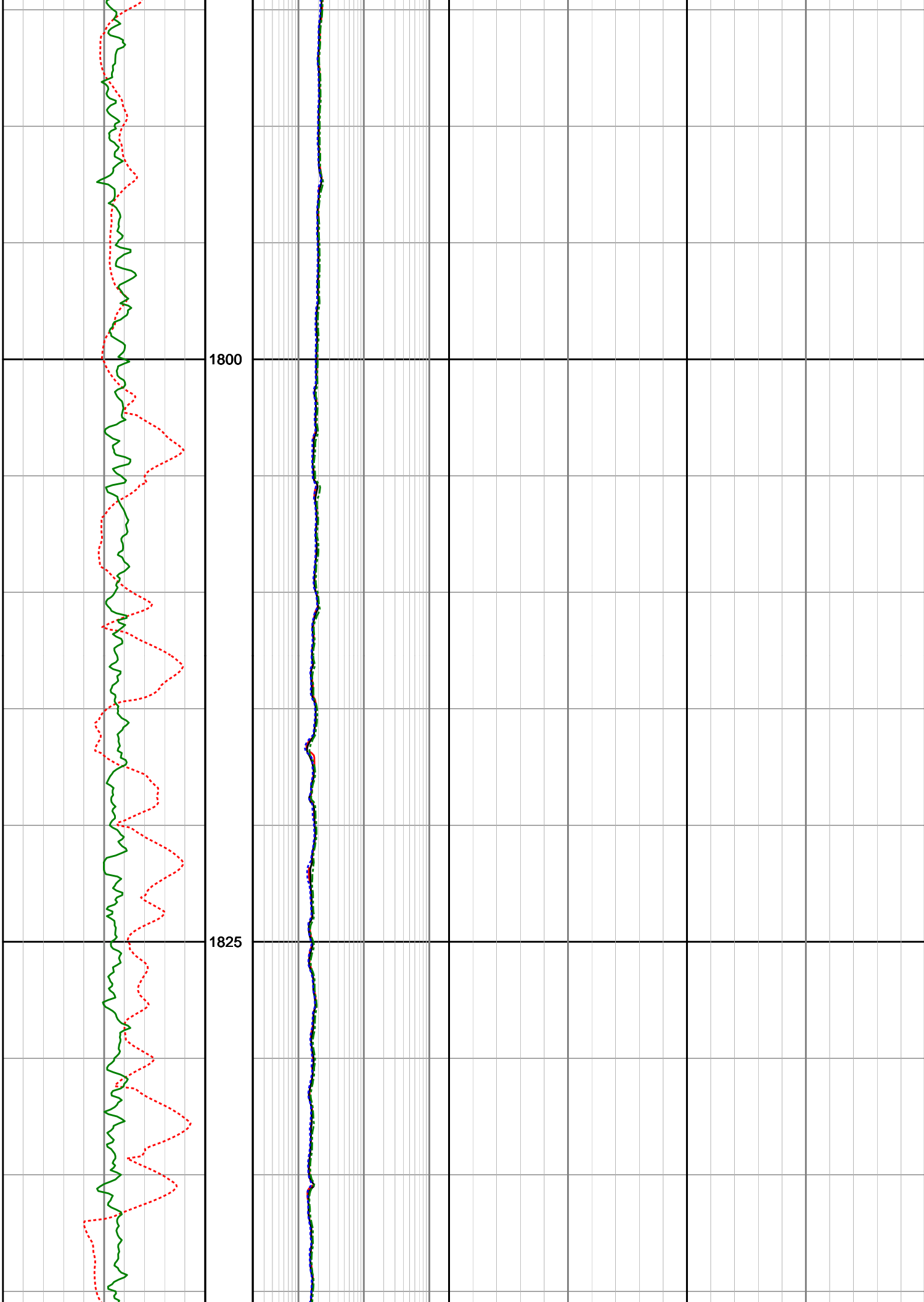


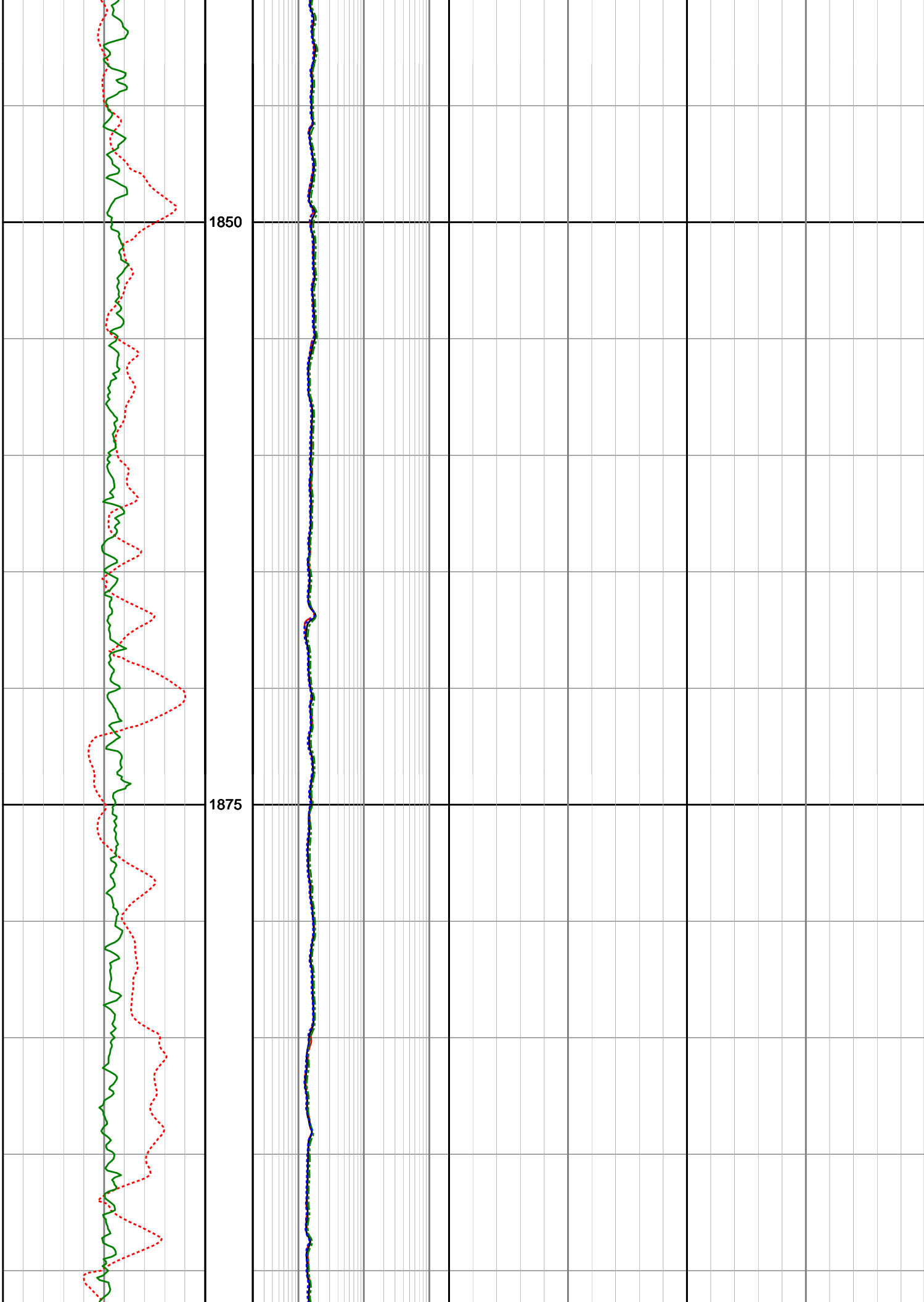


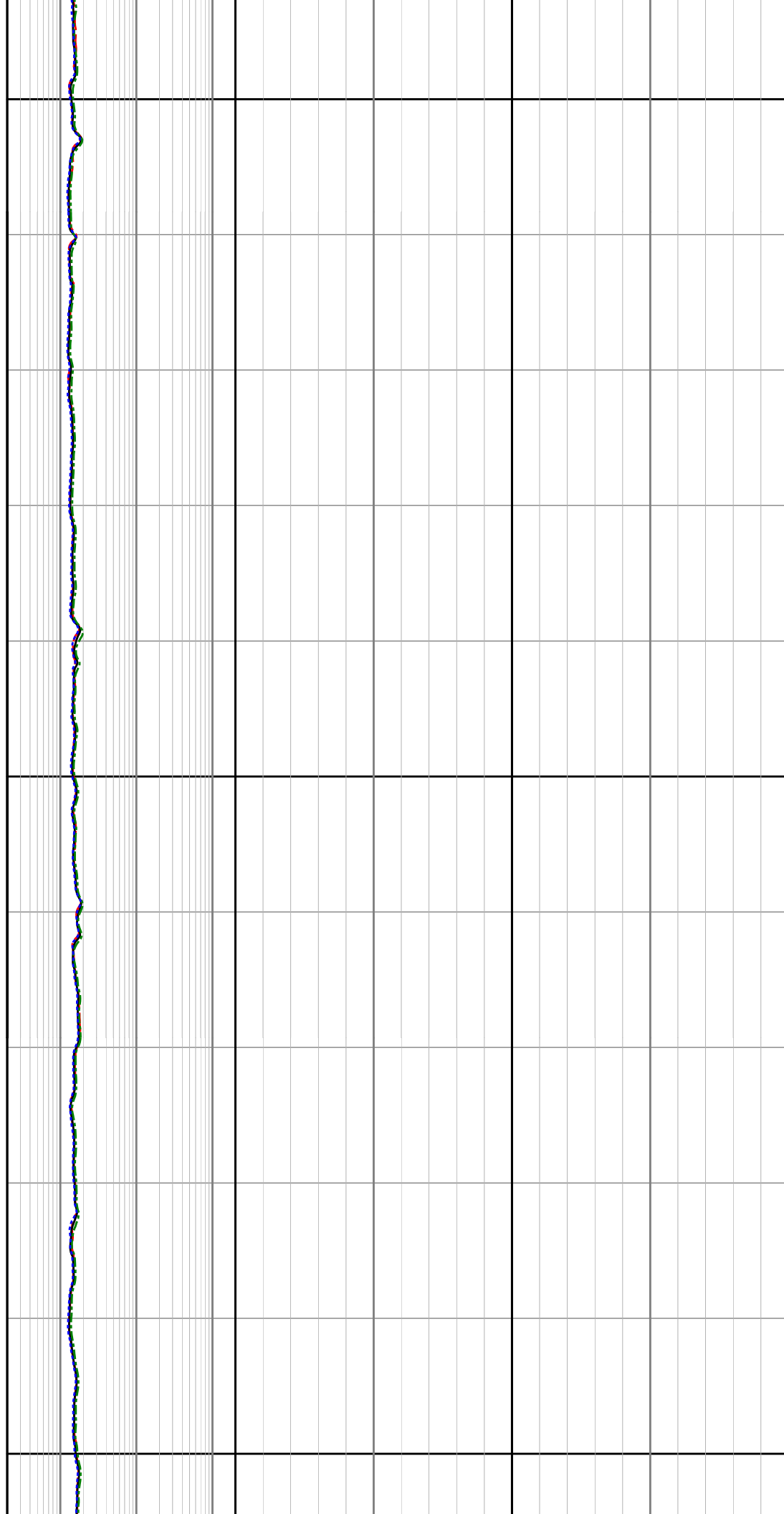
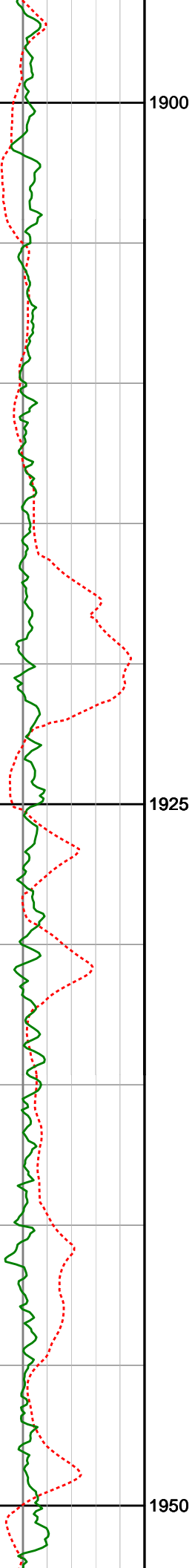
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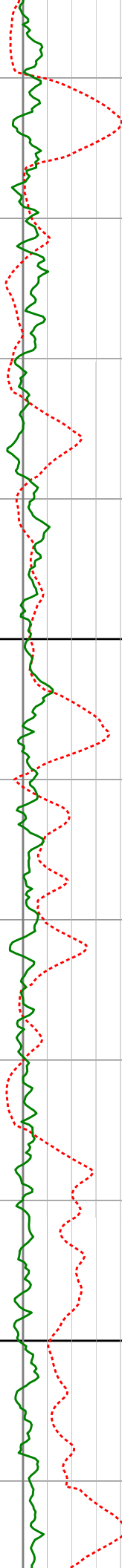
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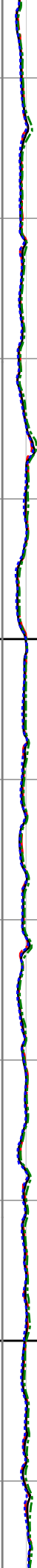






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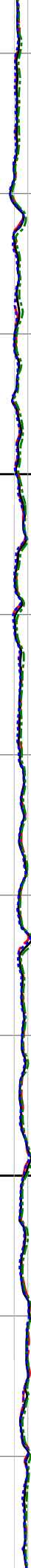
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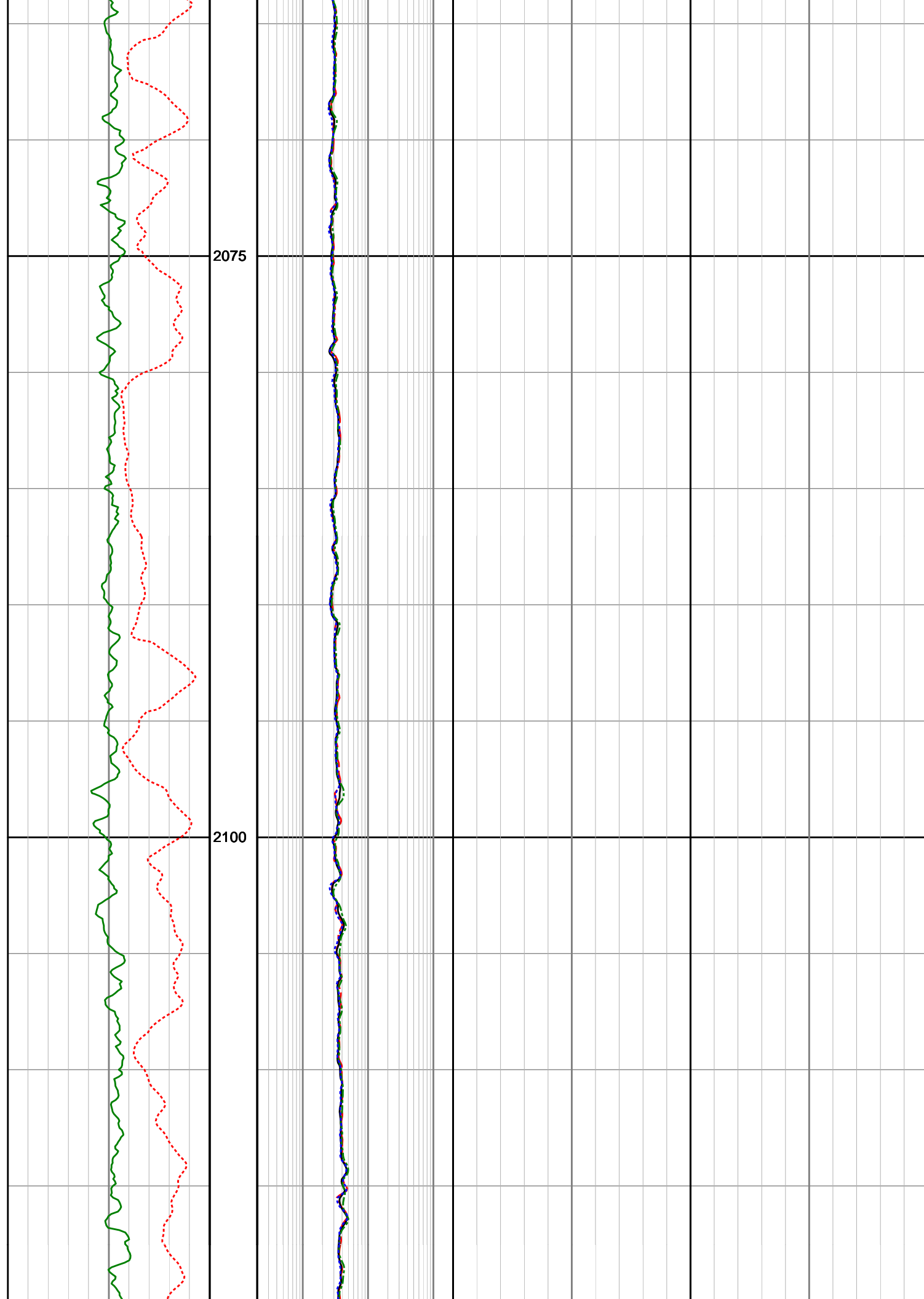


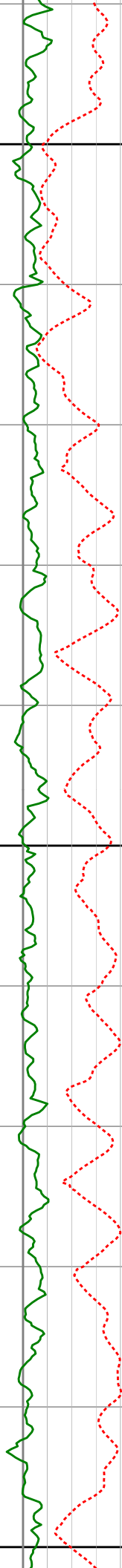


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2050



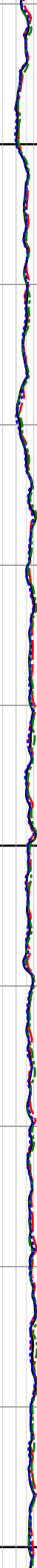


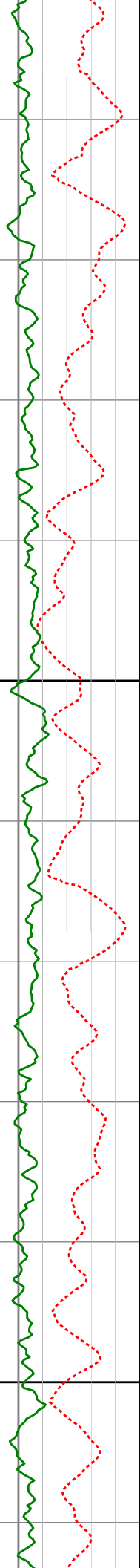


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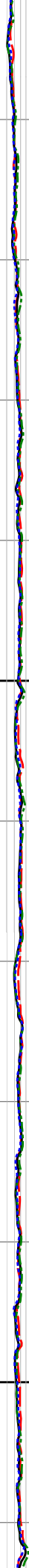
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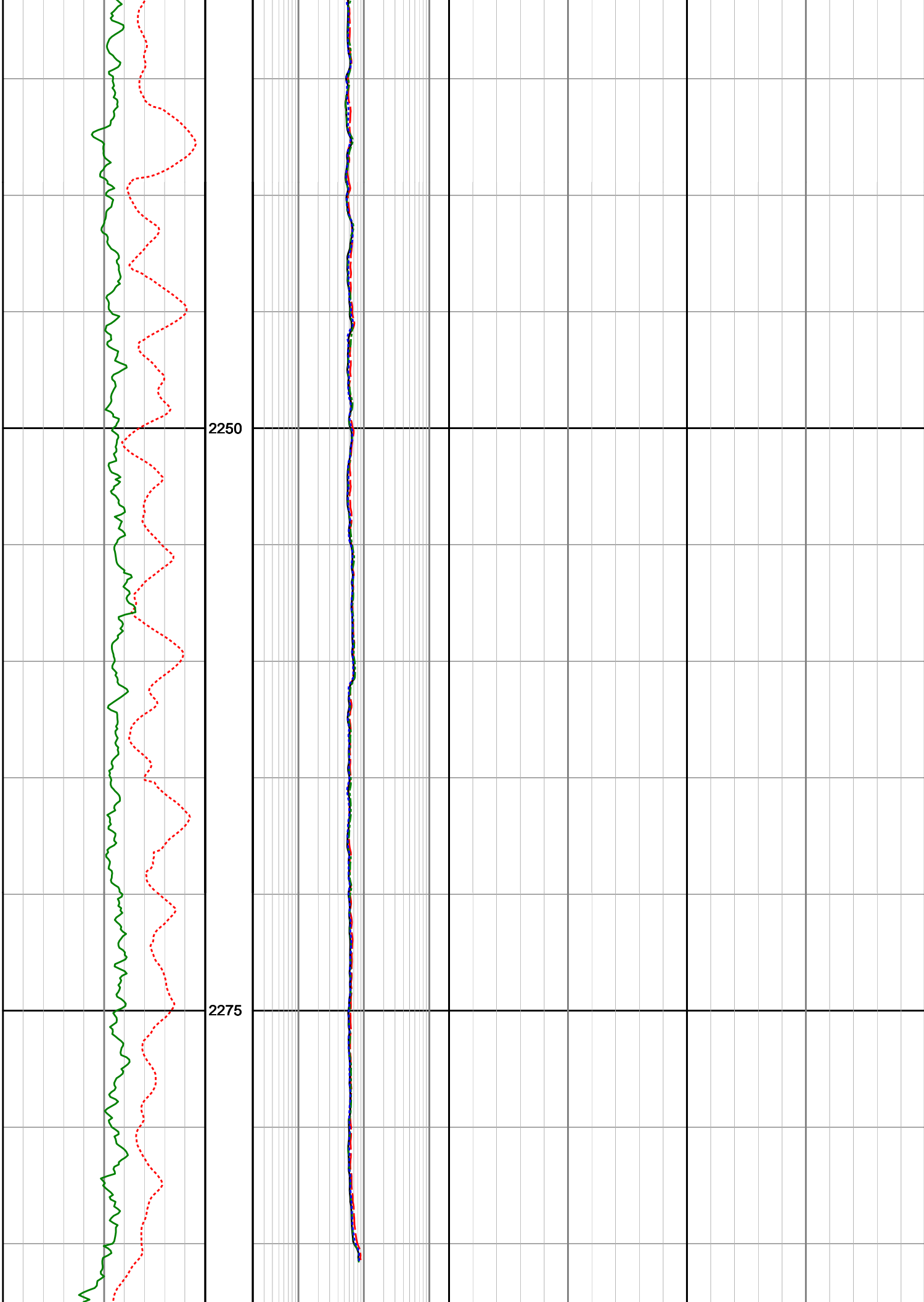




2200

2225





See remark 7

SROP

Casing shoe @ 2293.4 mMDRT

SBD2

2300

← EWR-P4

TNPL

SCO2

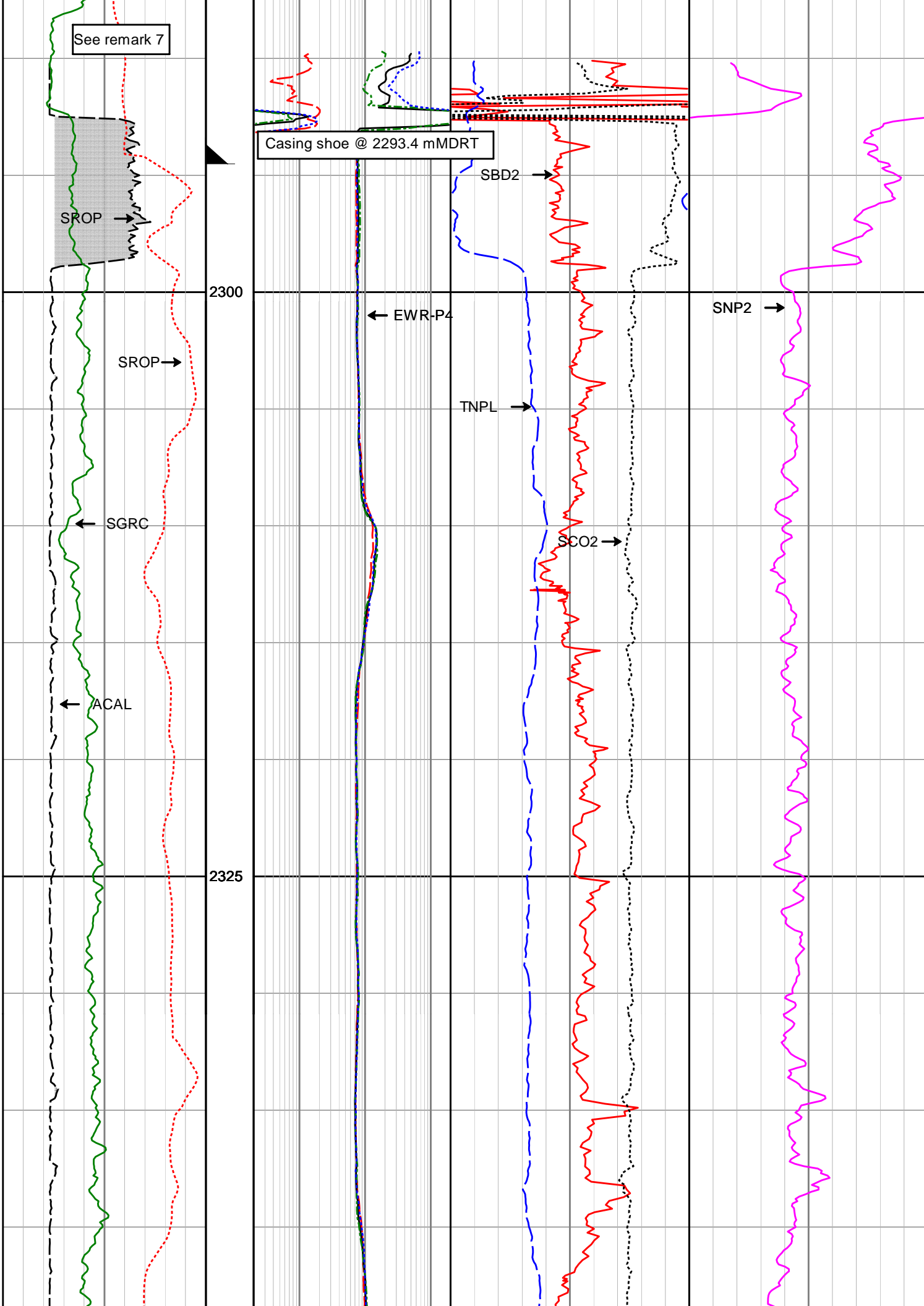
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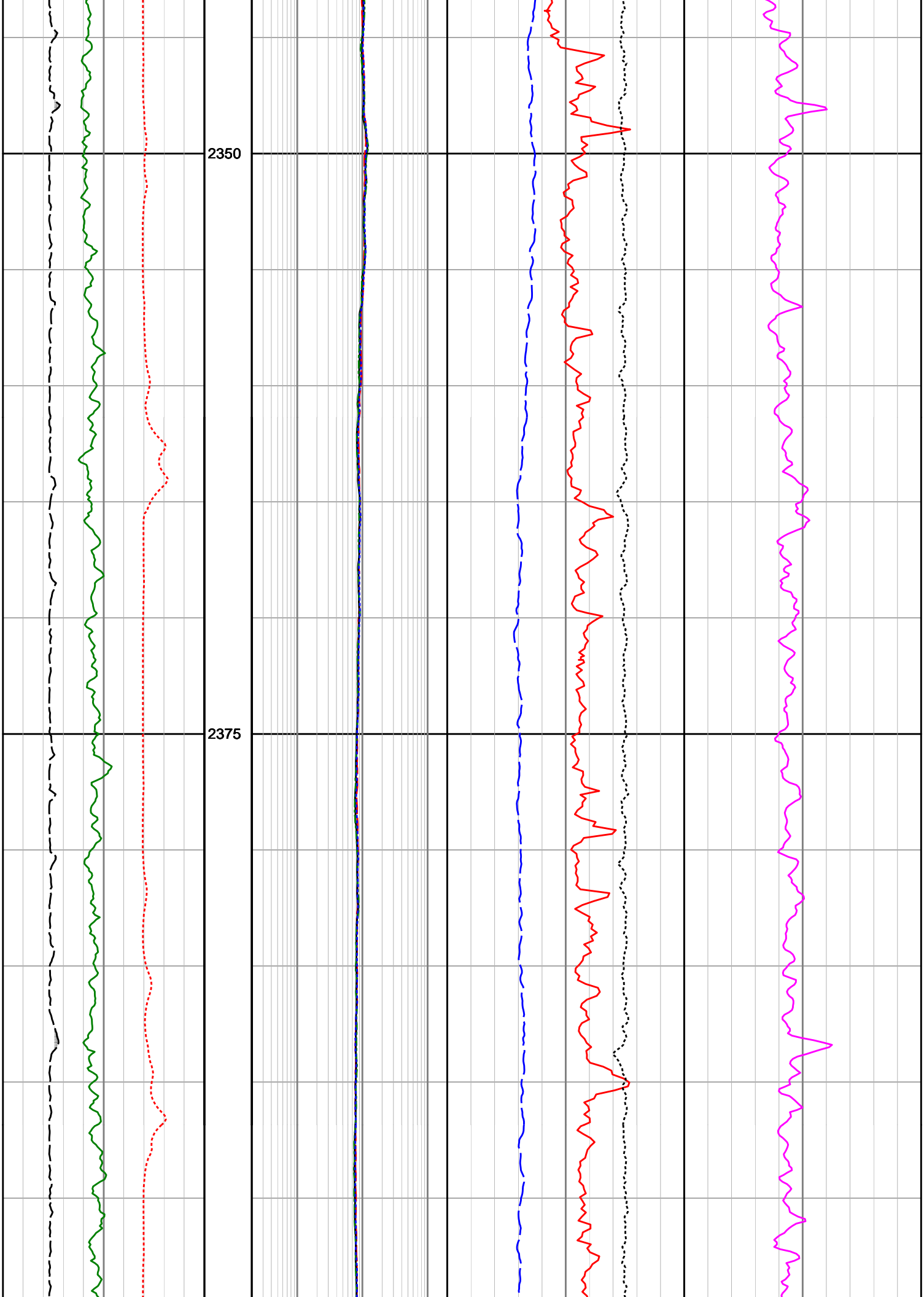
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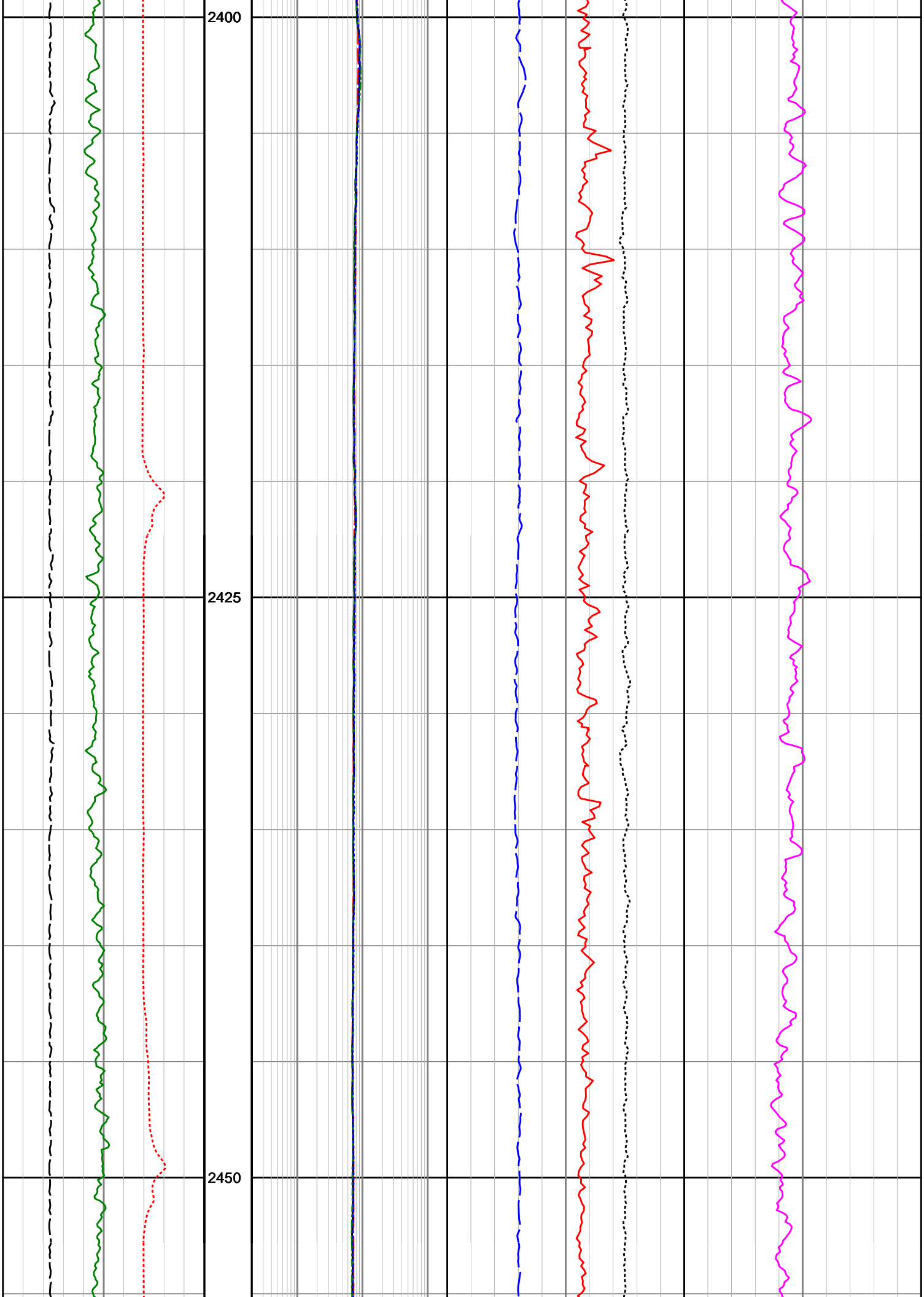
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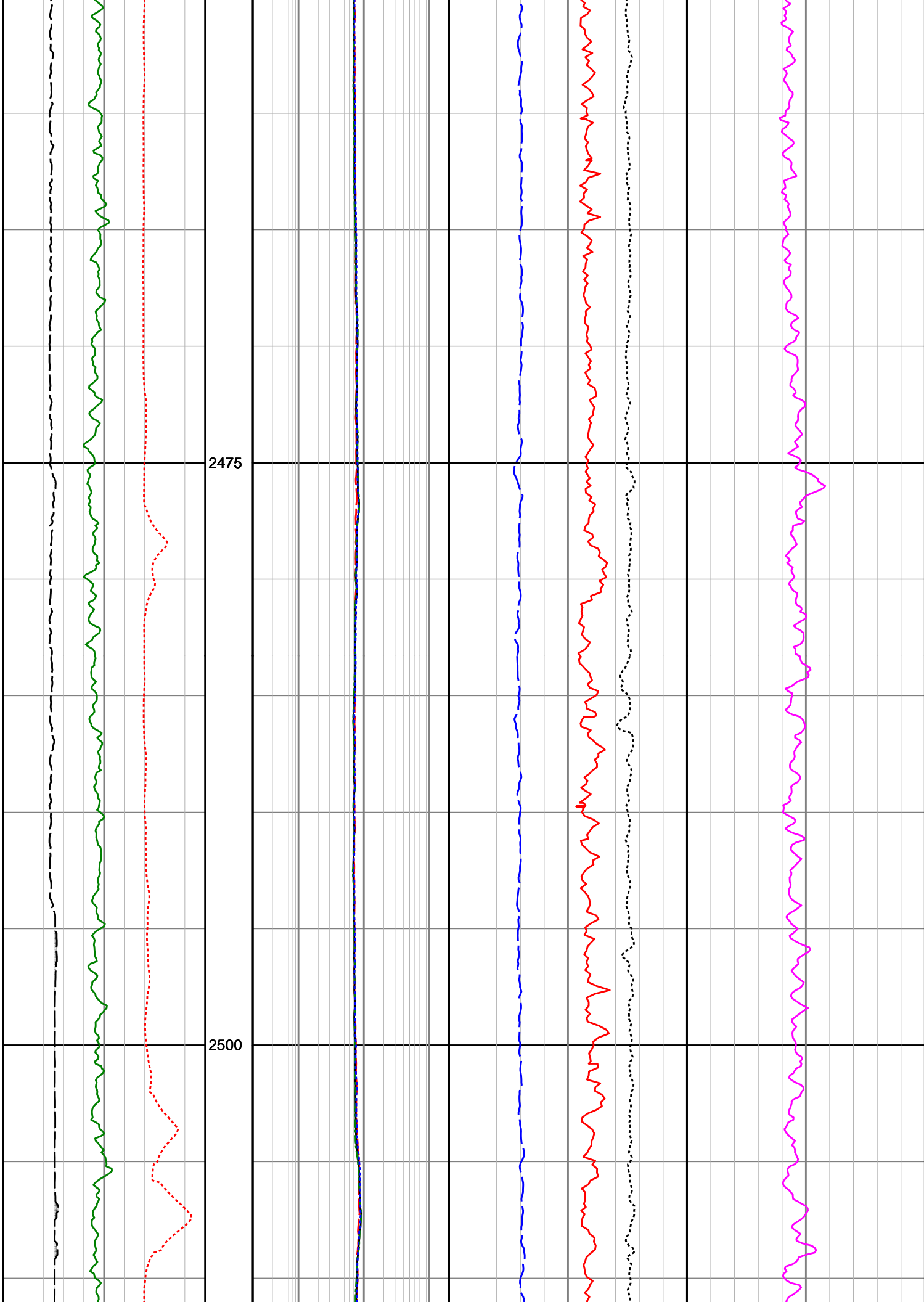
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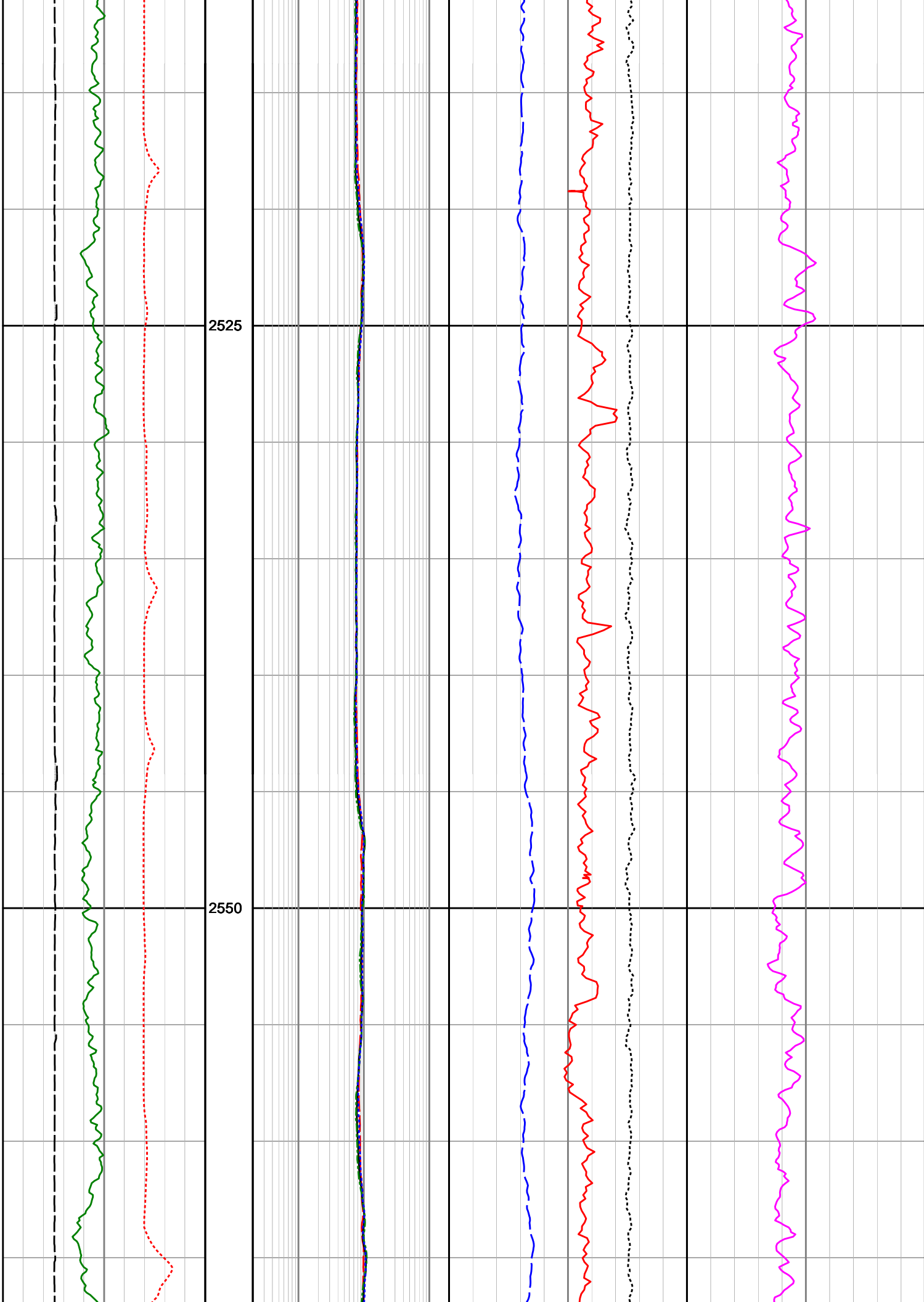
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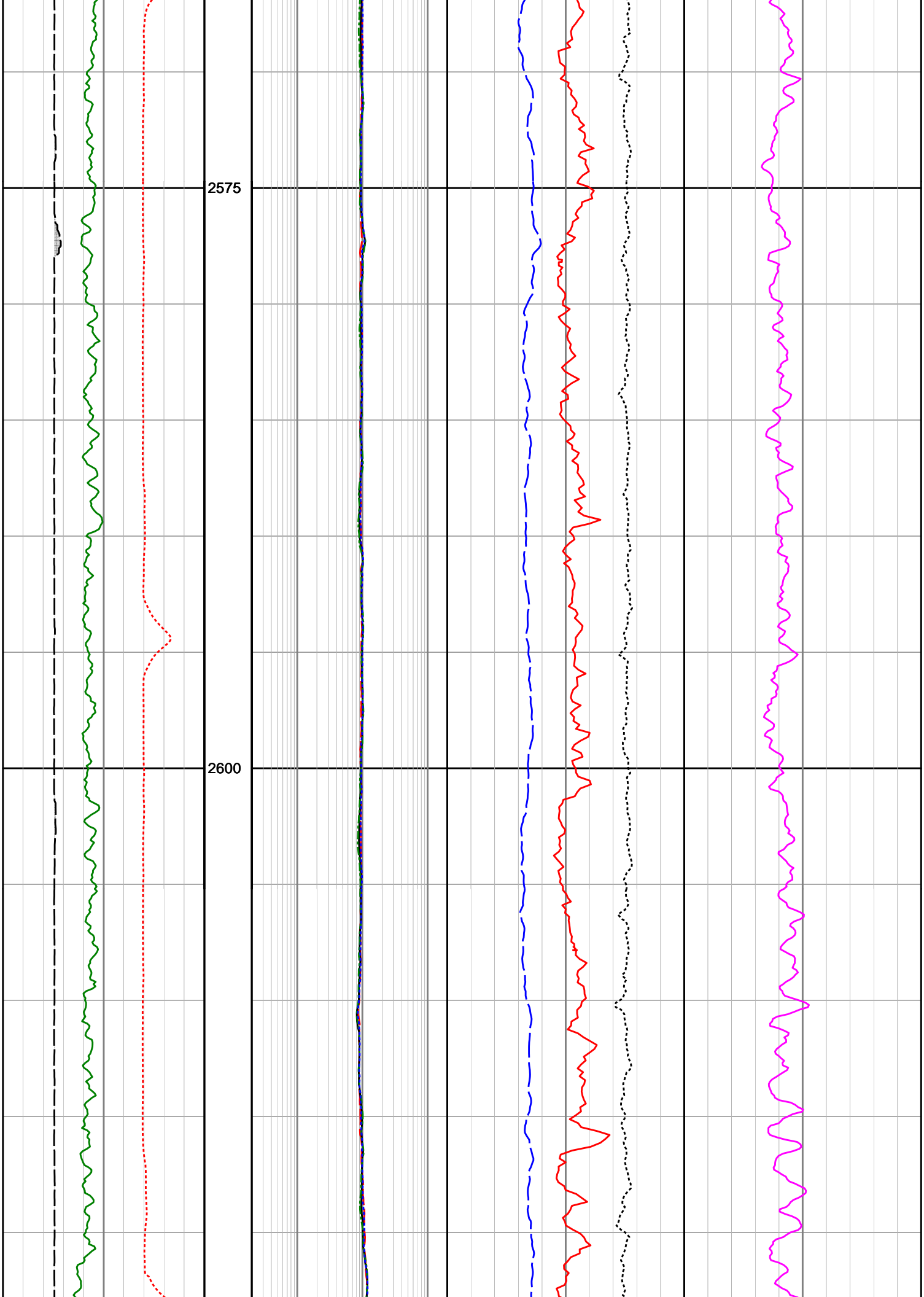


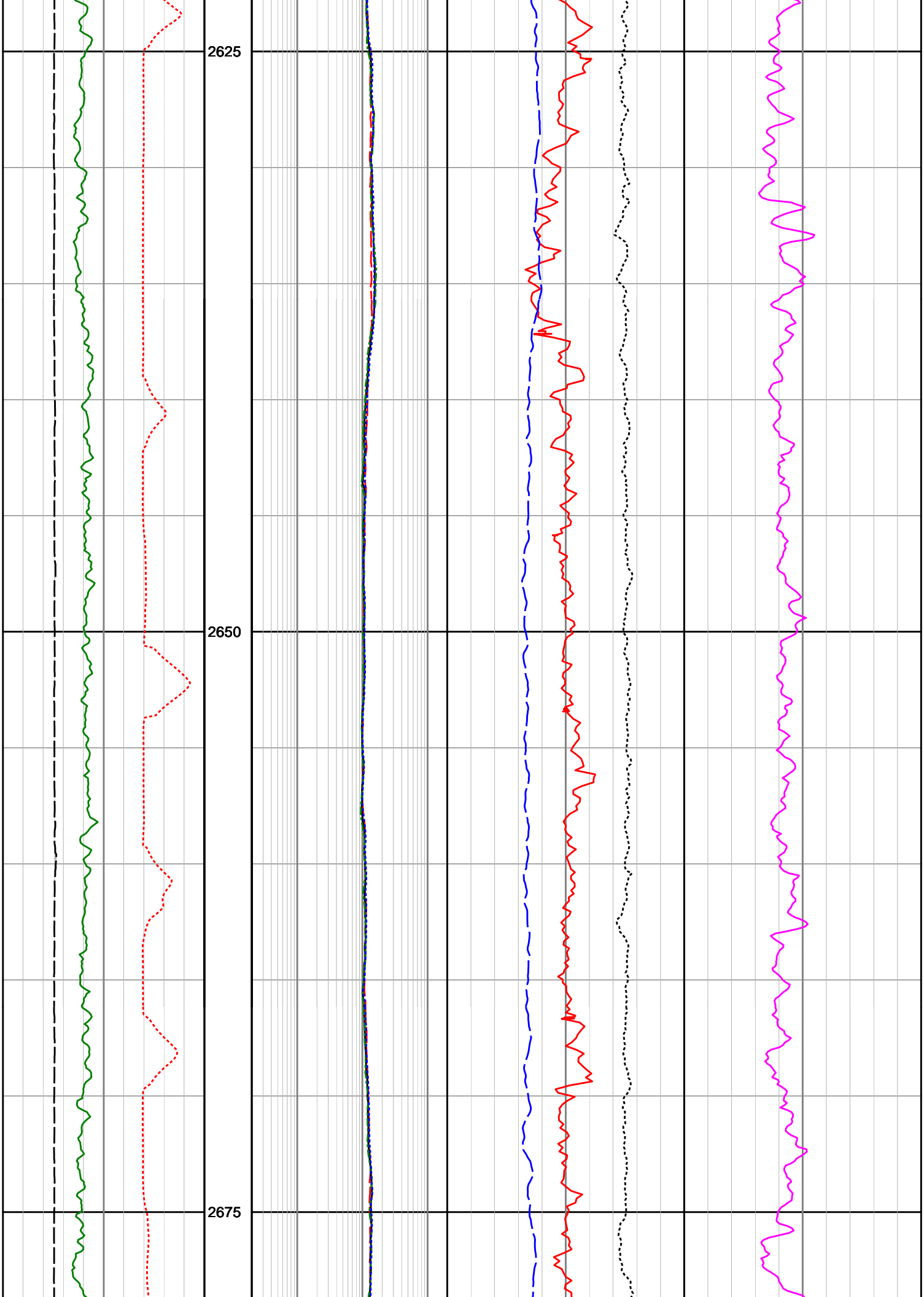


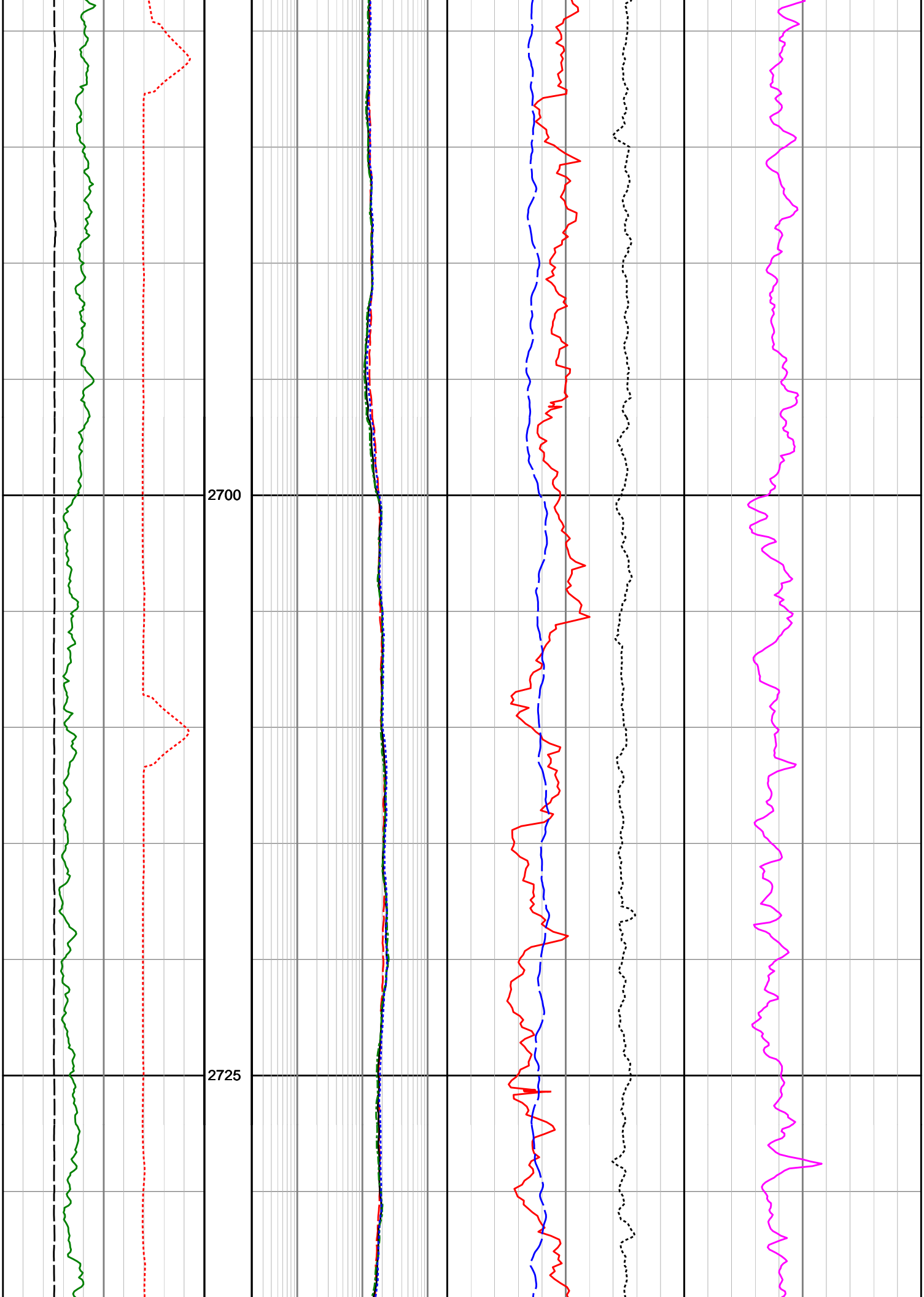


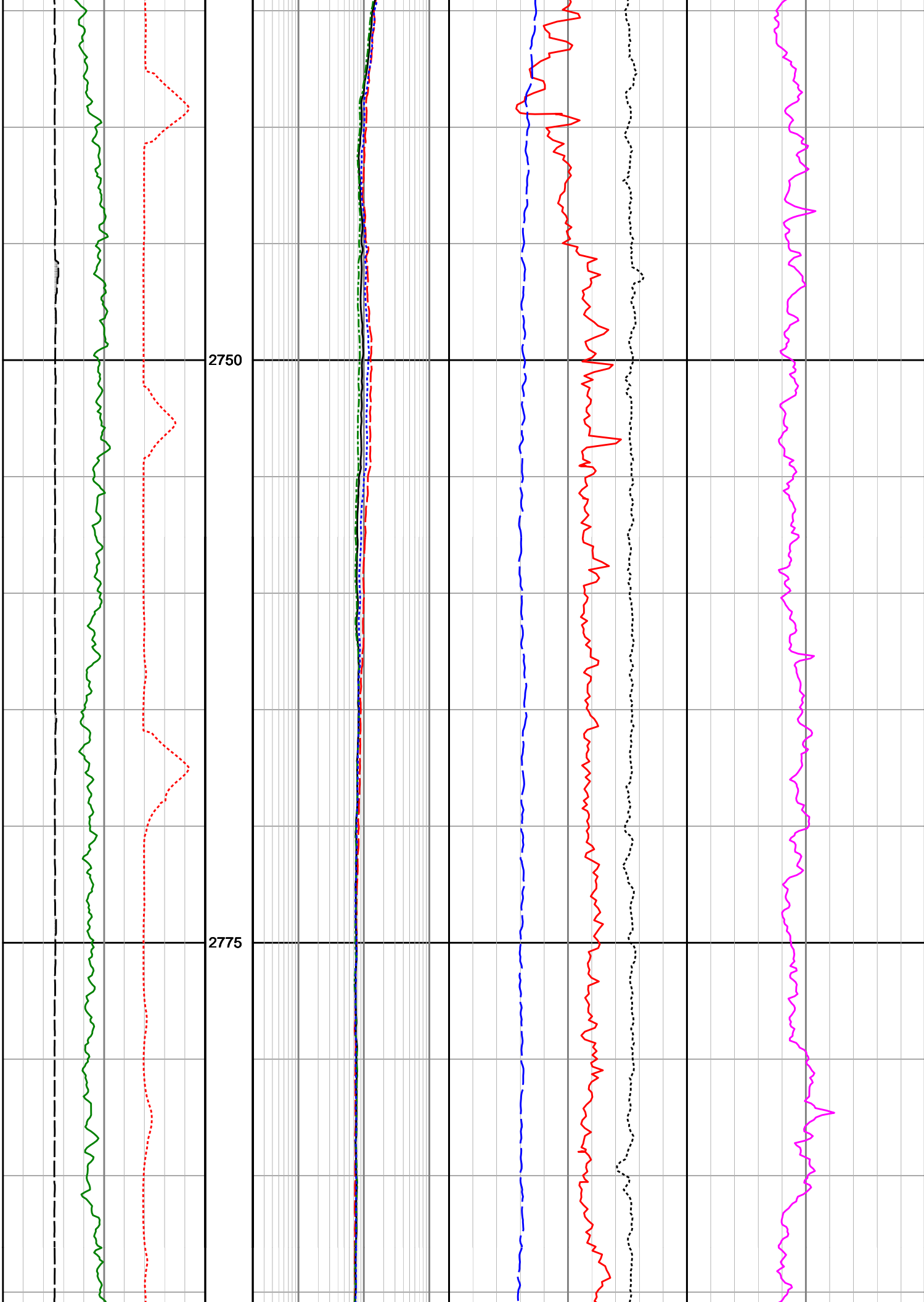


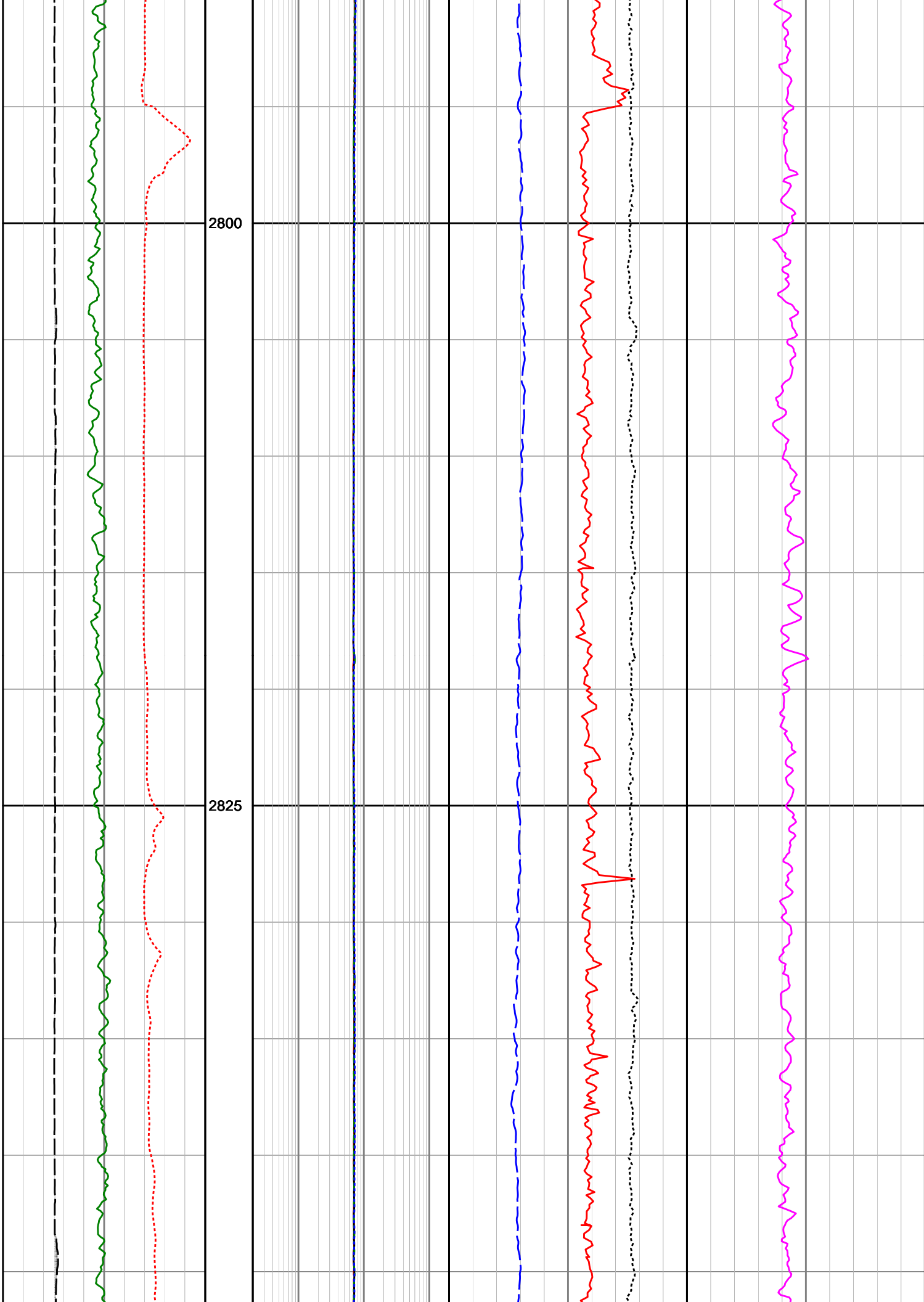


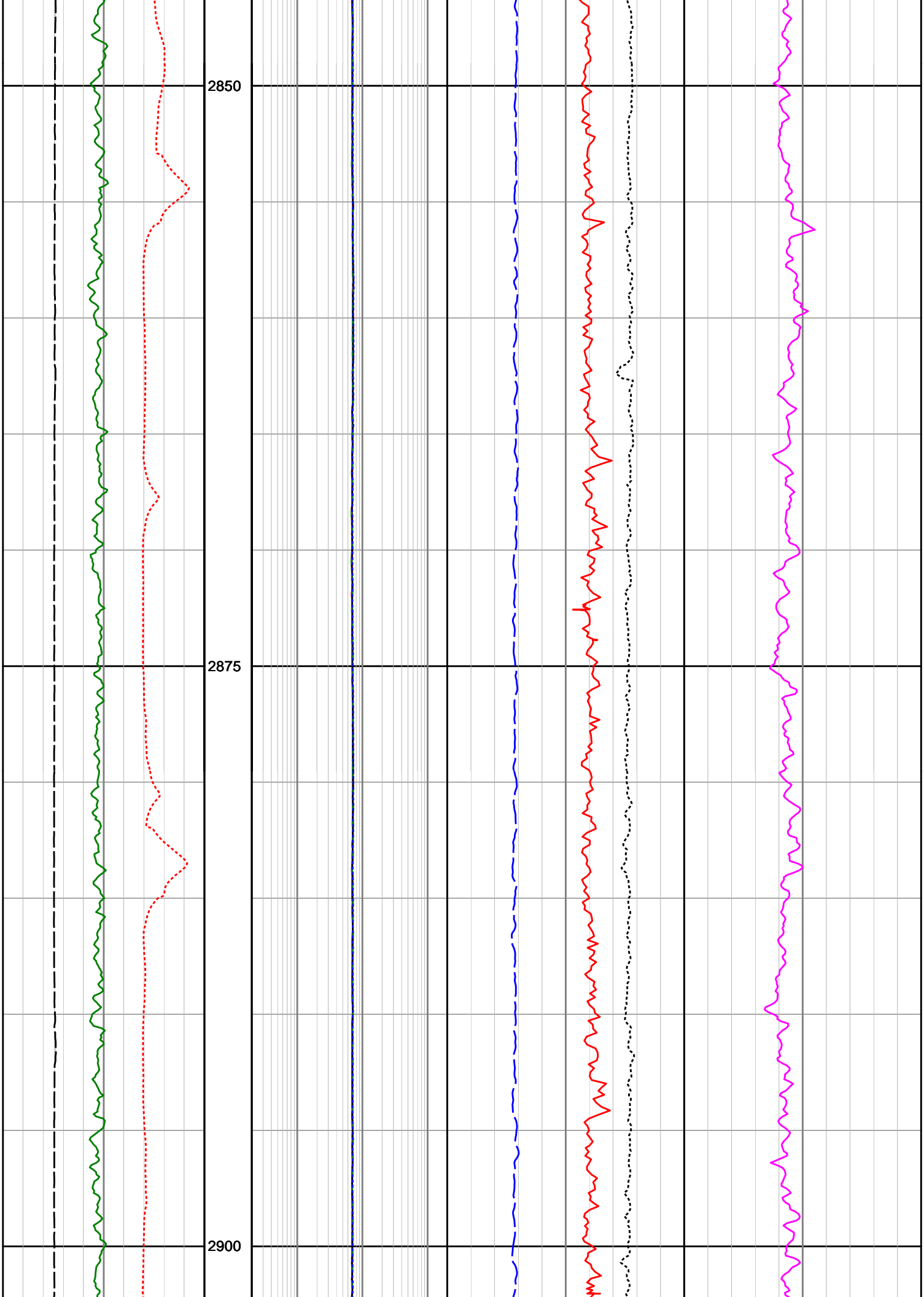


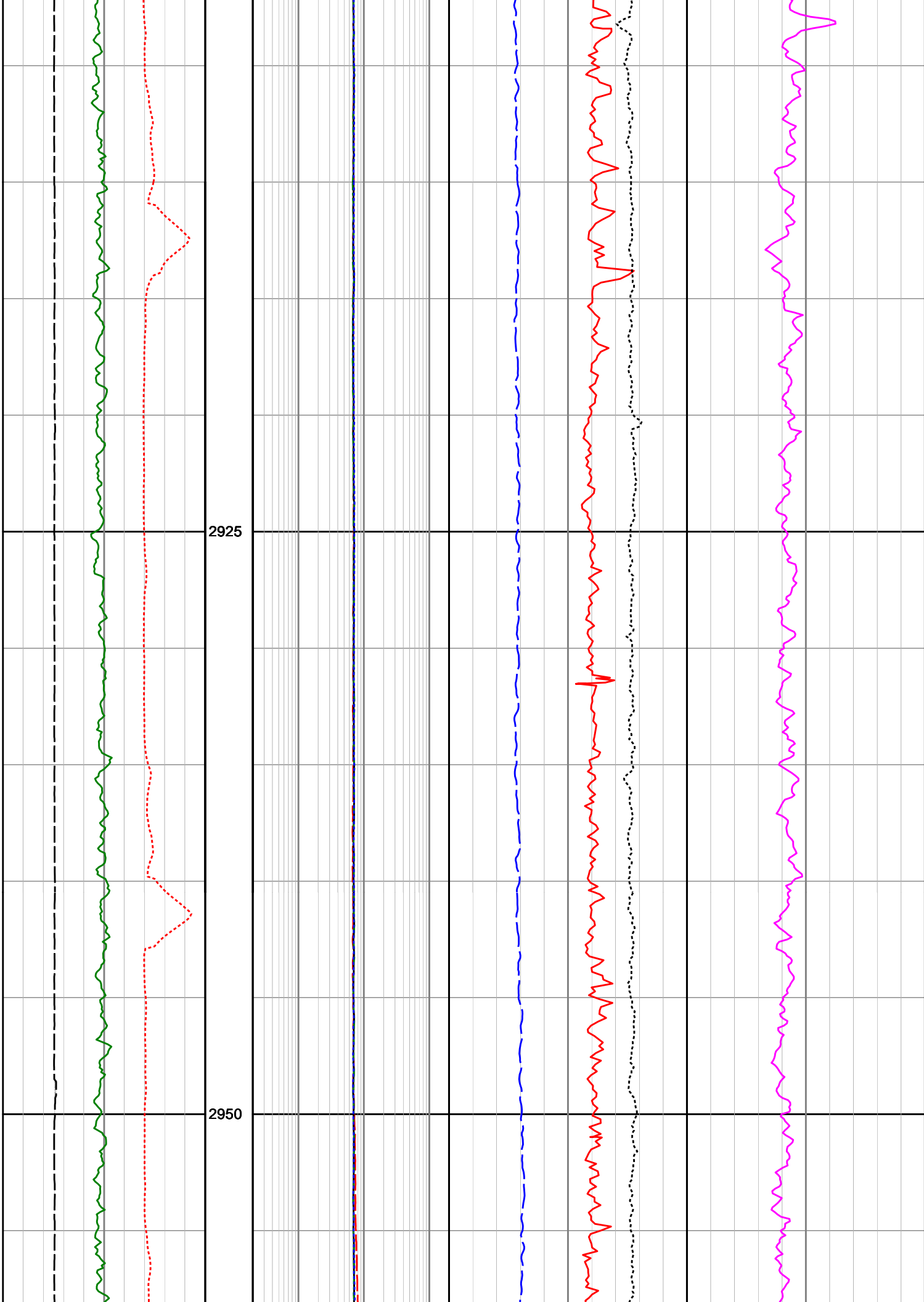


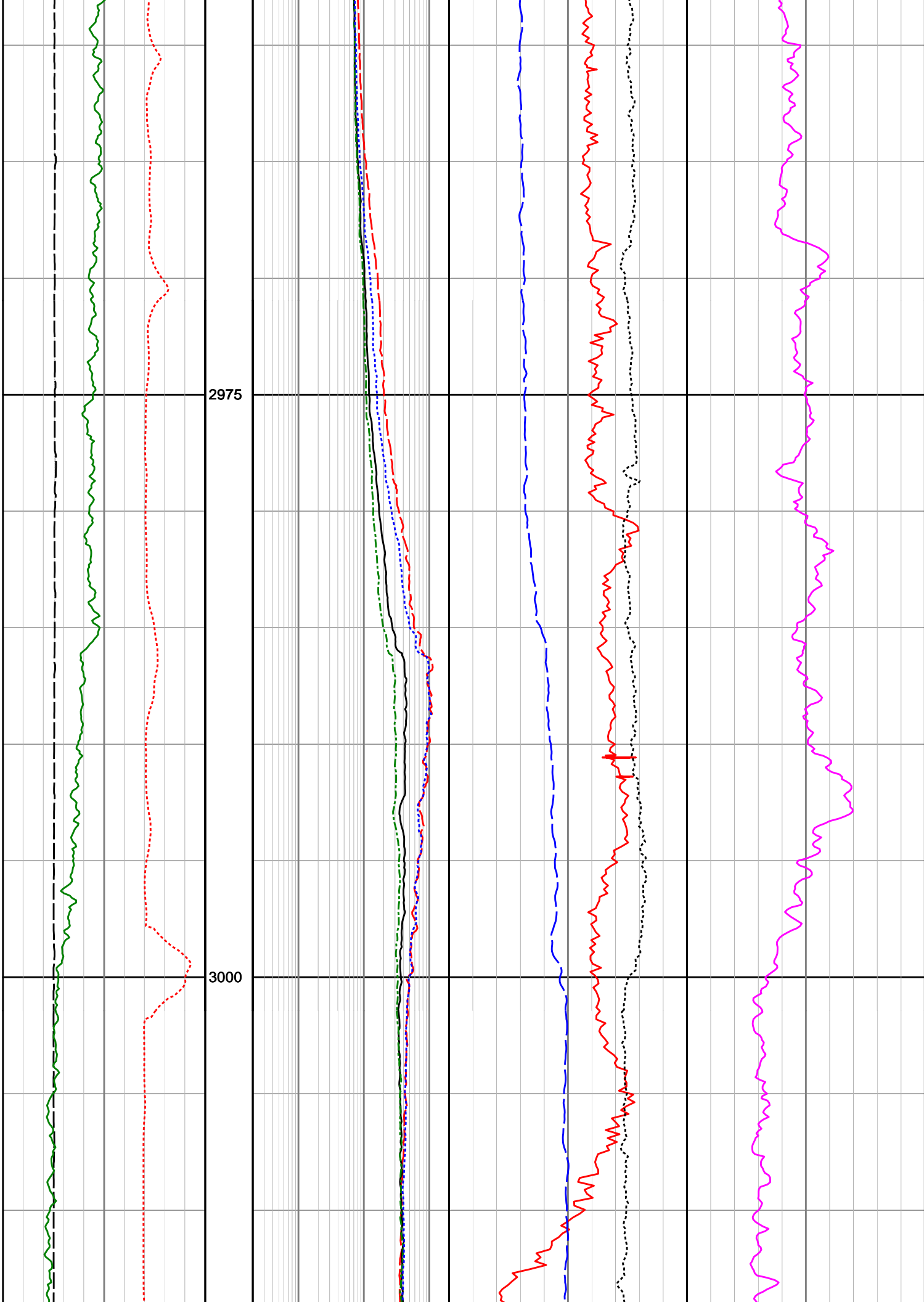


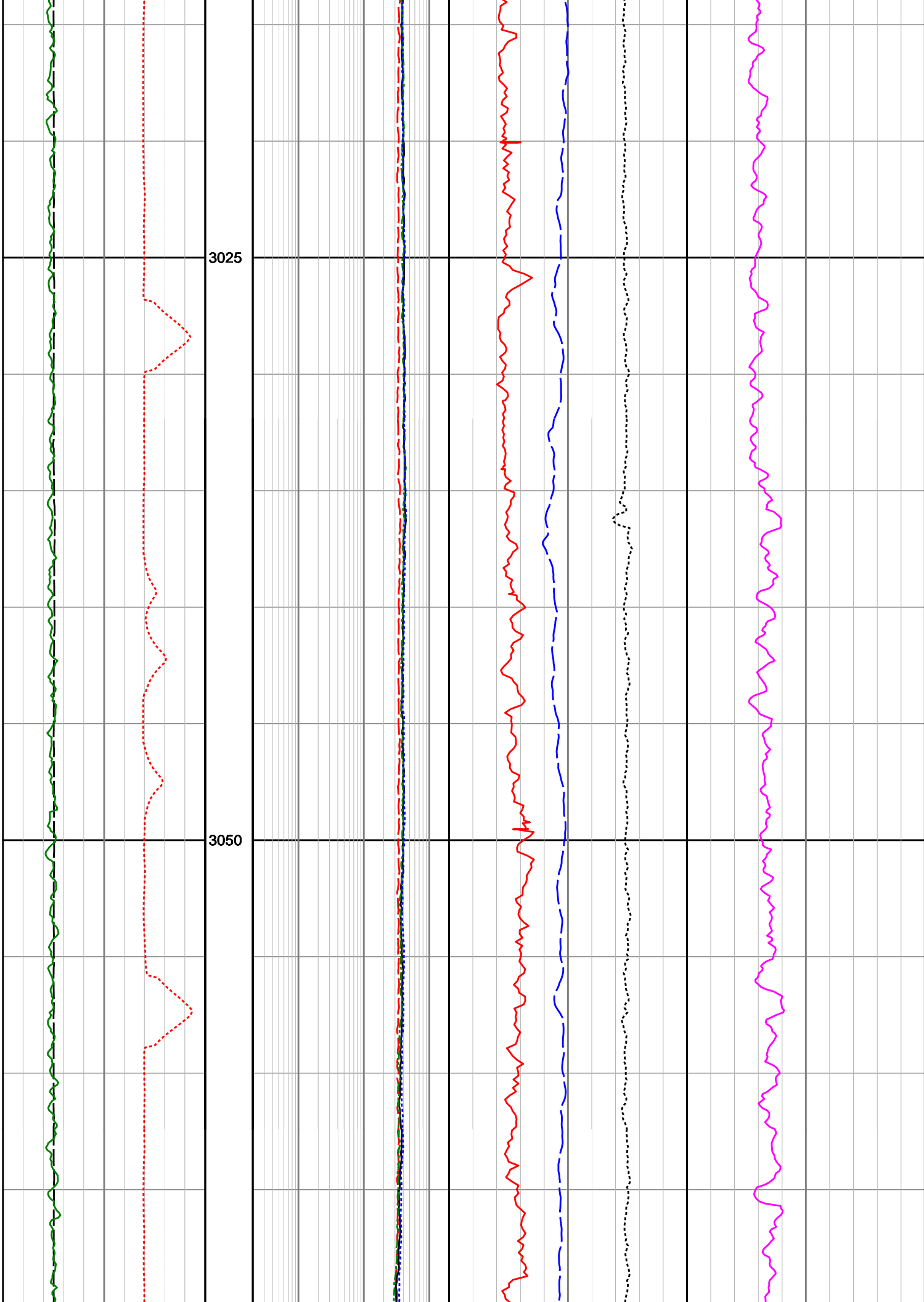


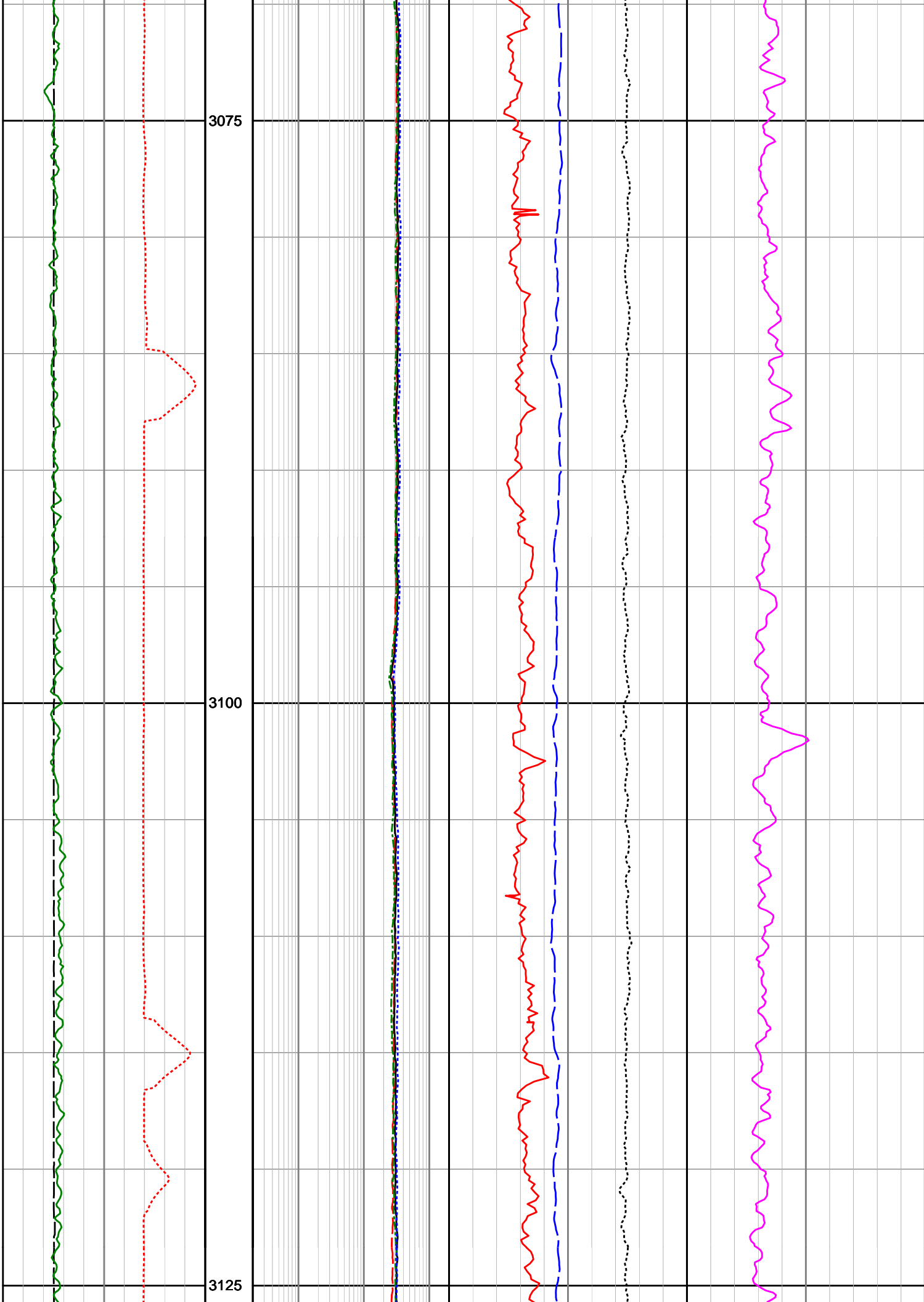


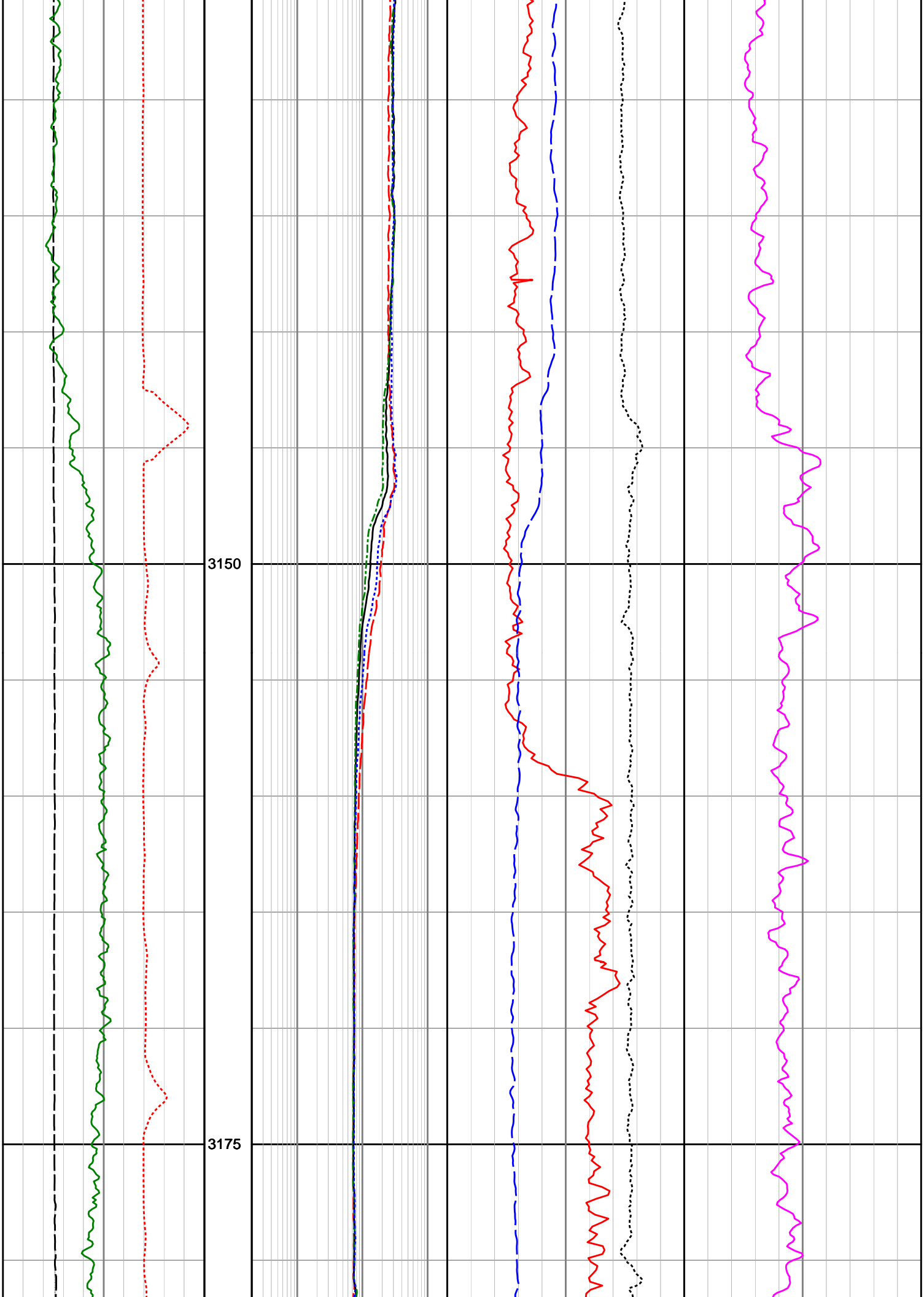


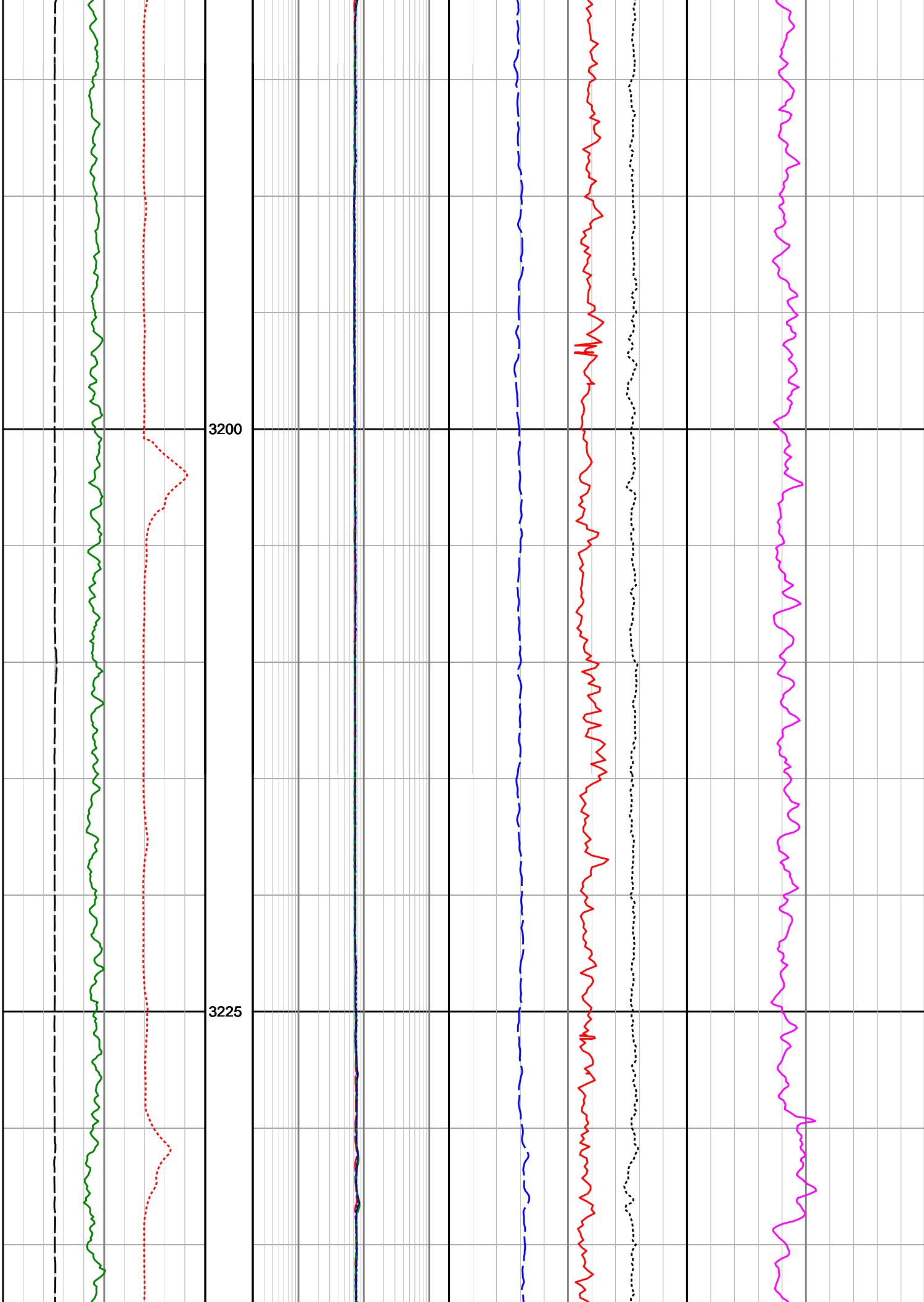


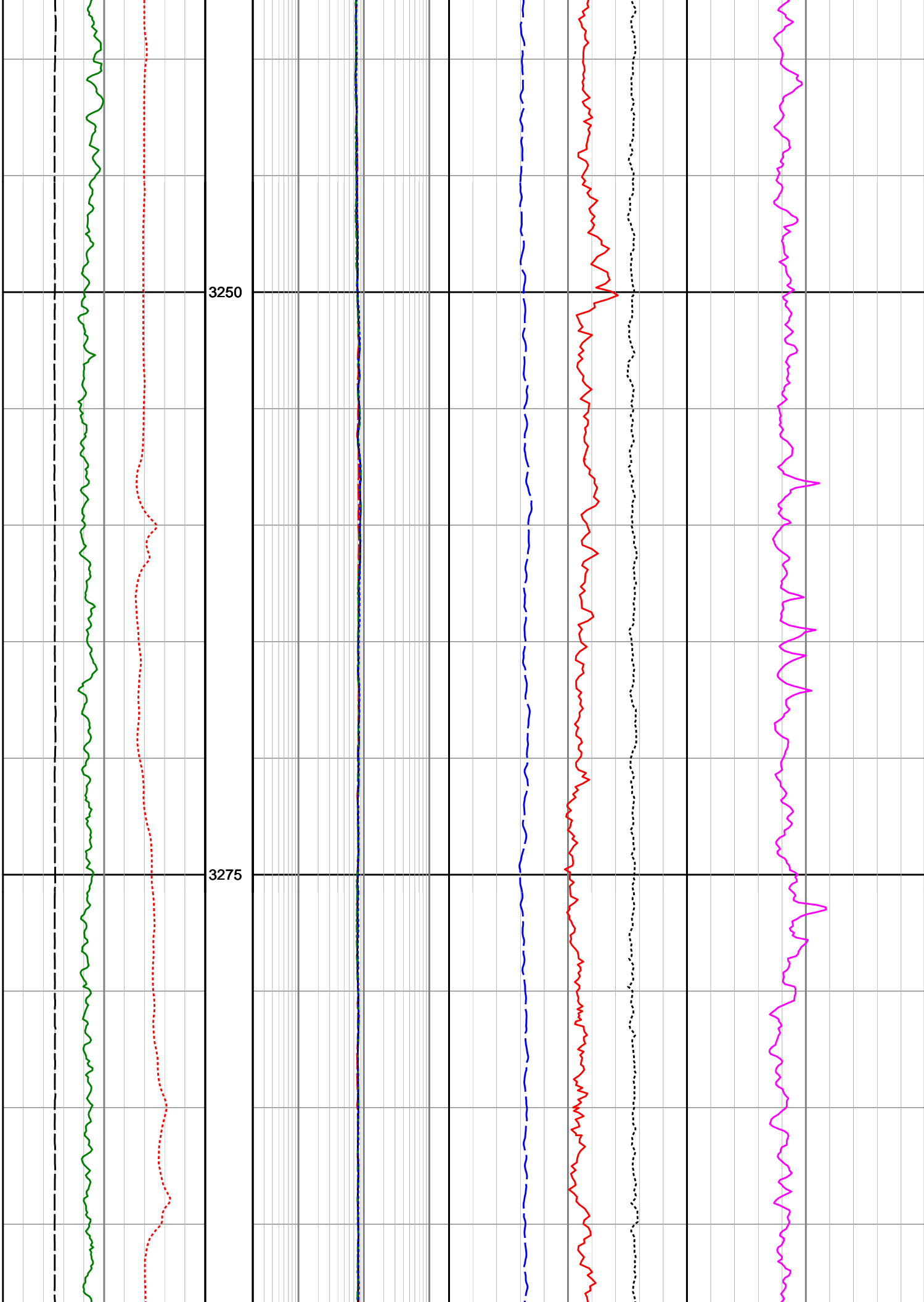


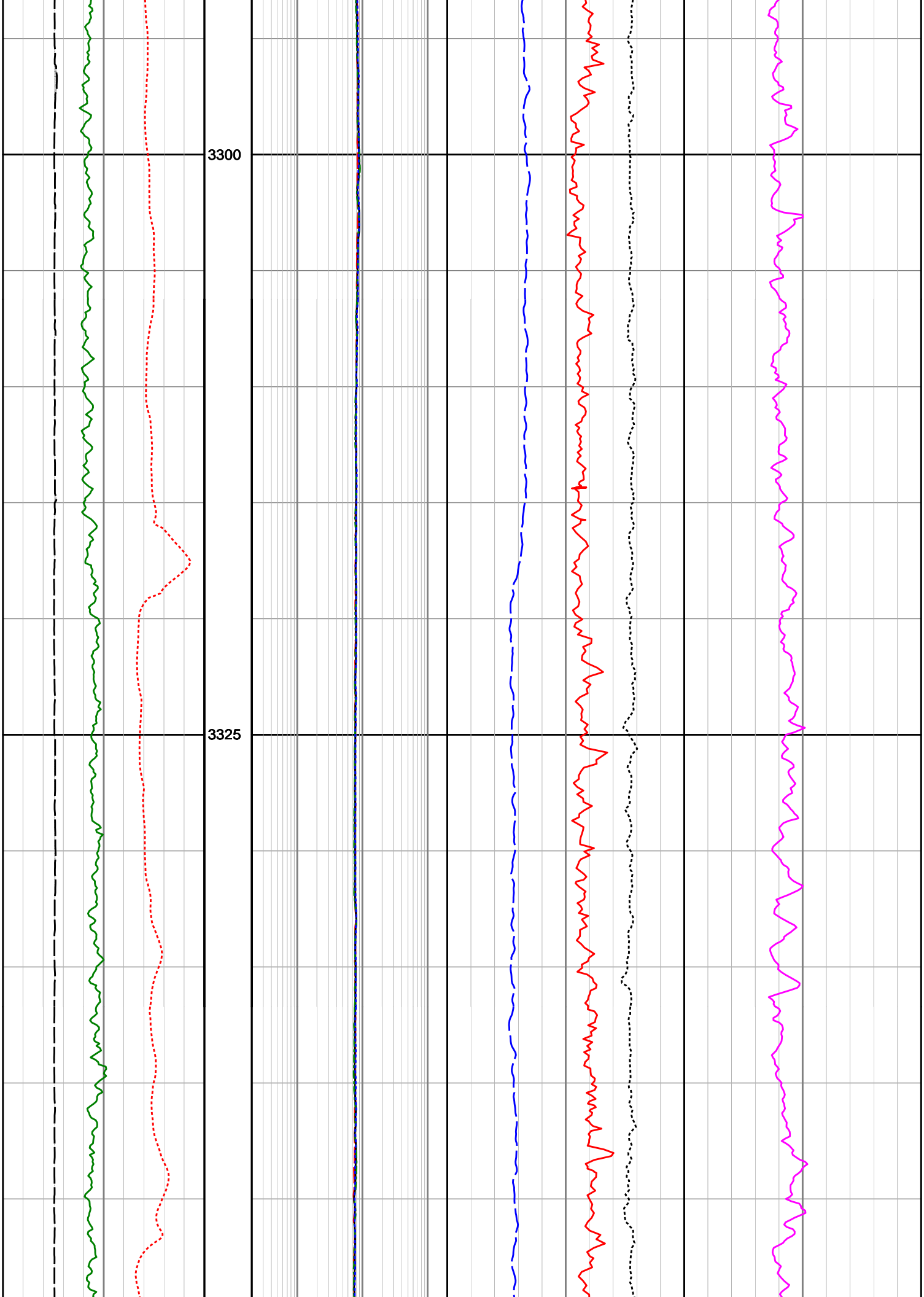


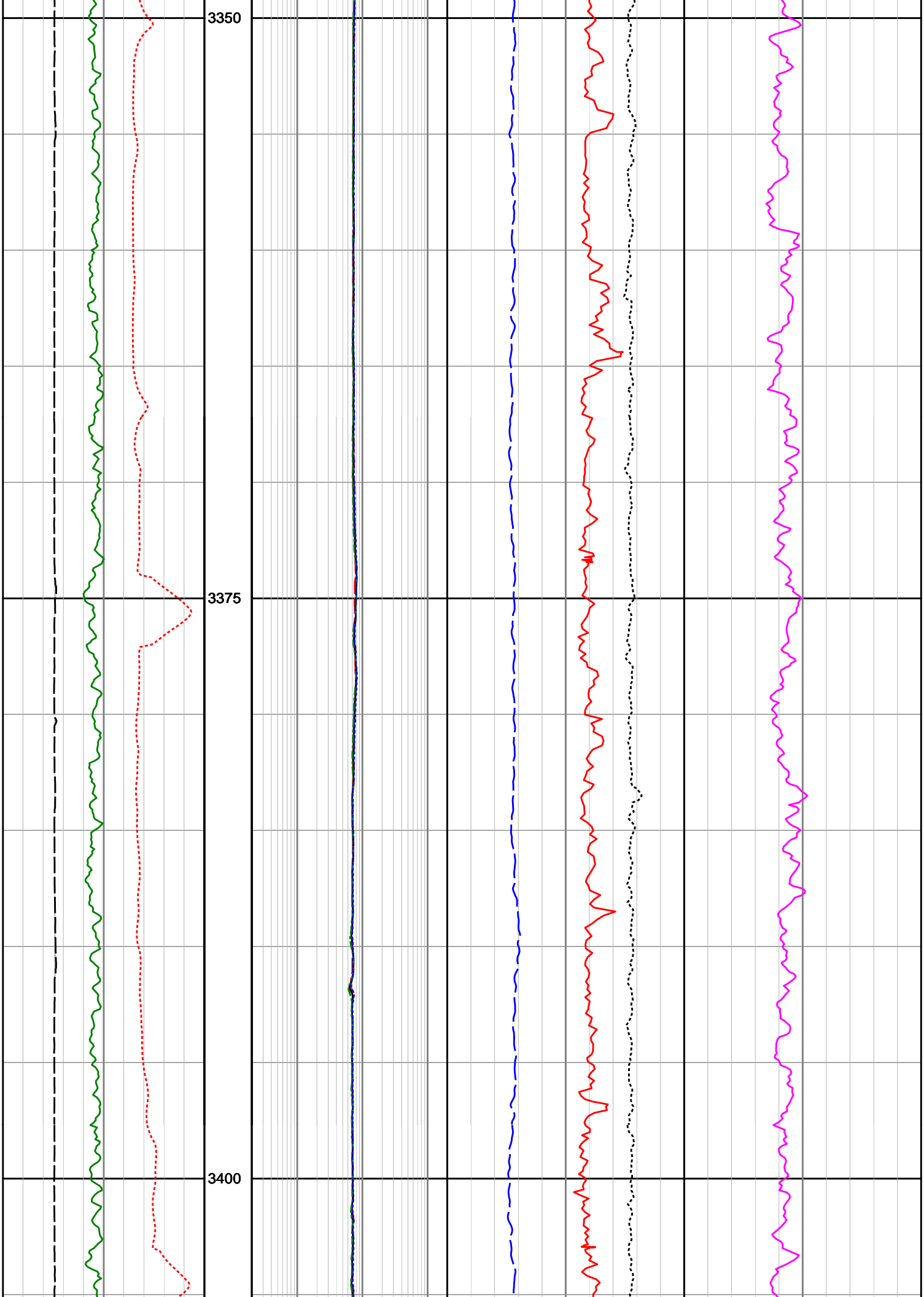


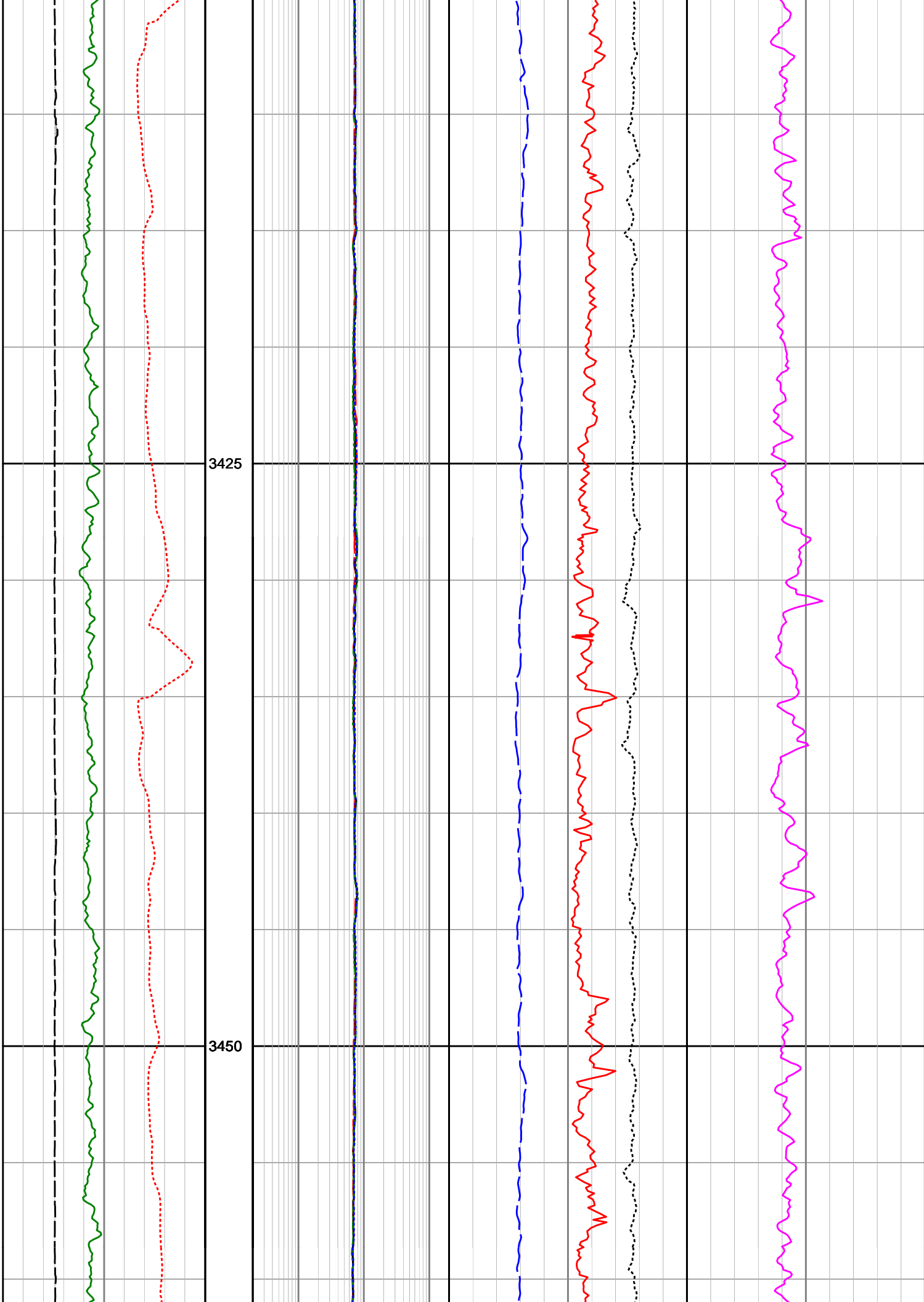


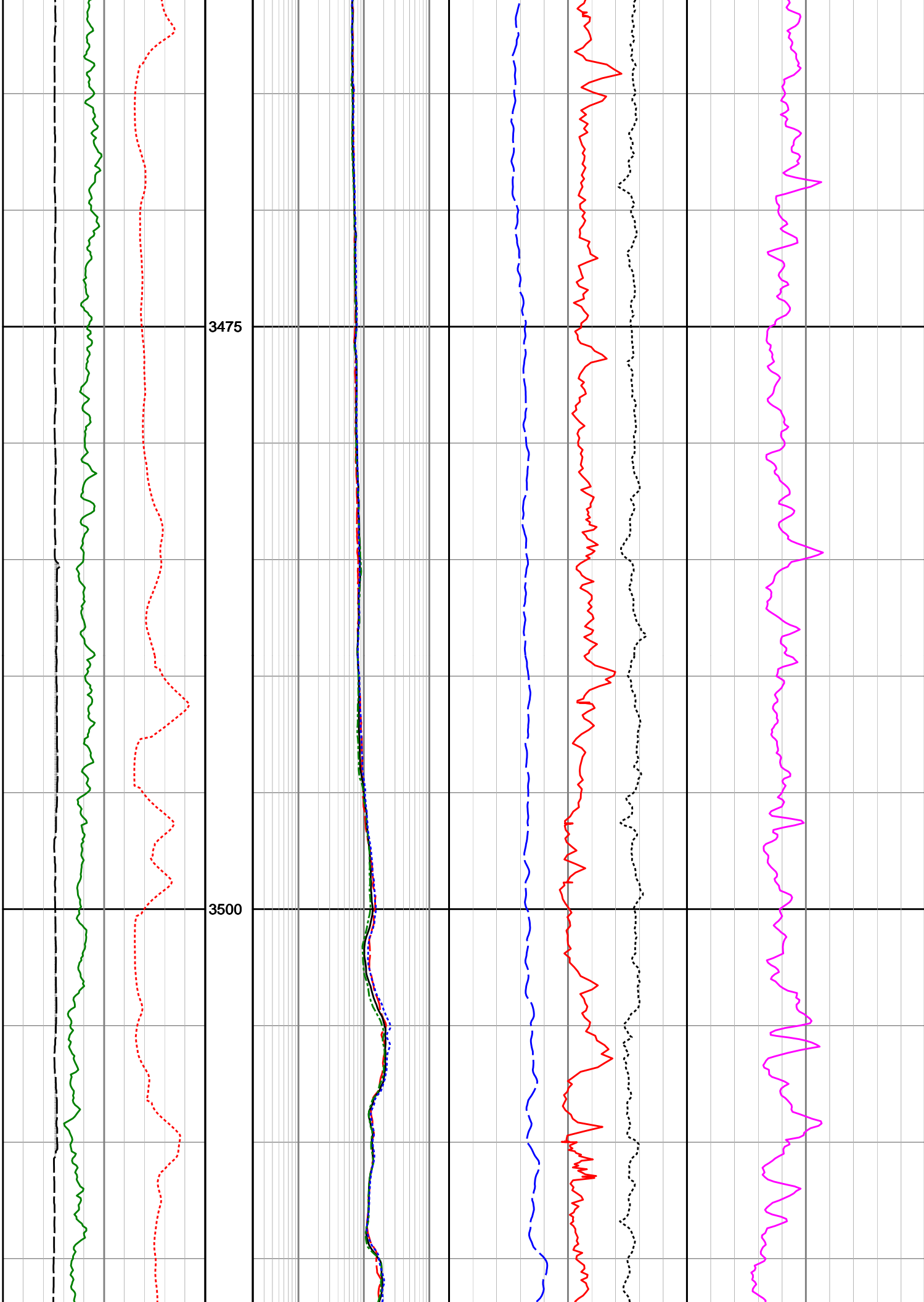


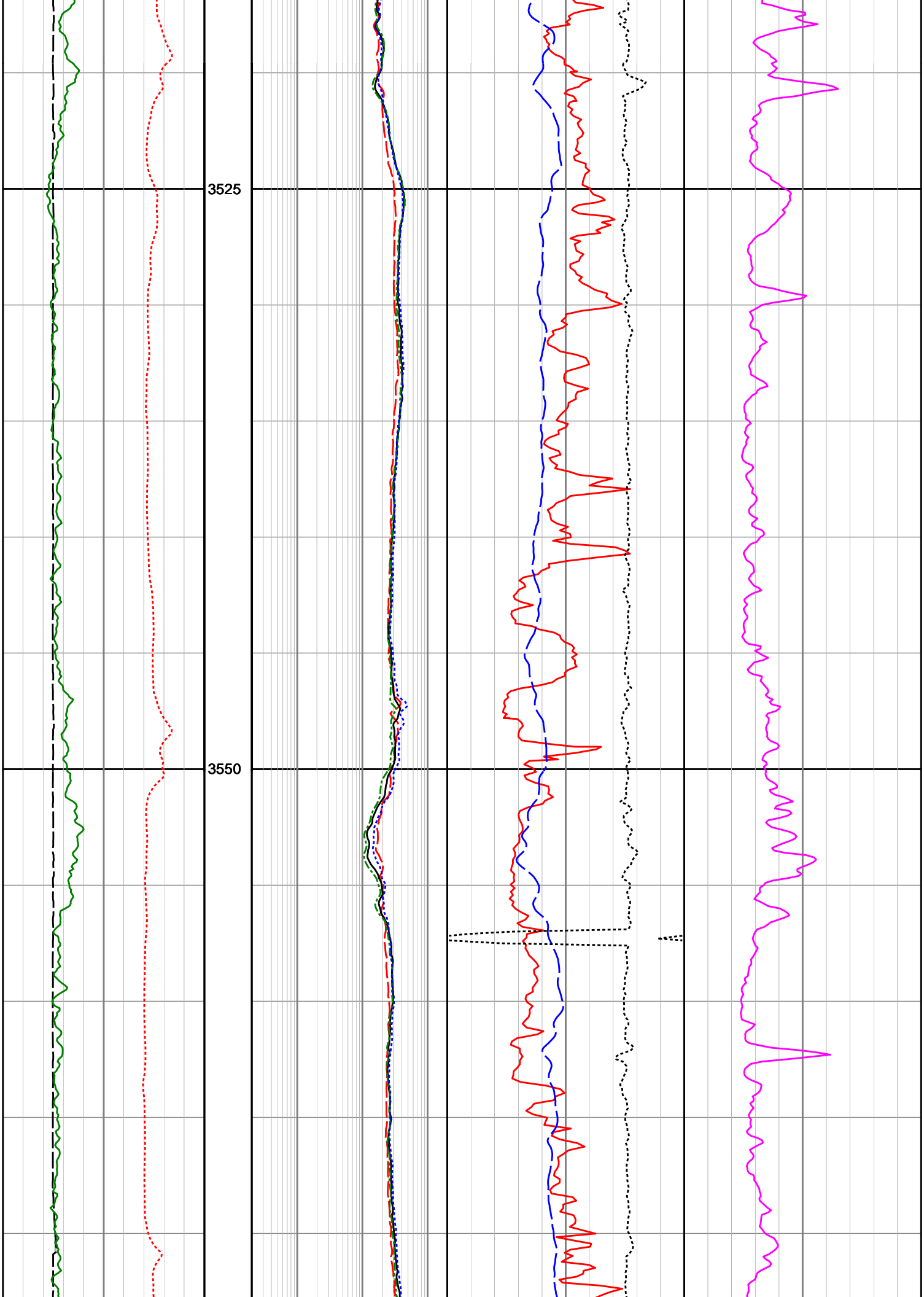


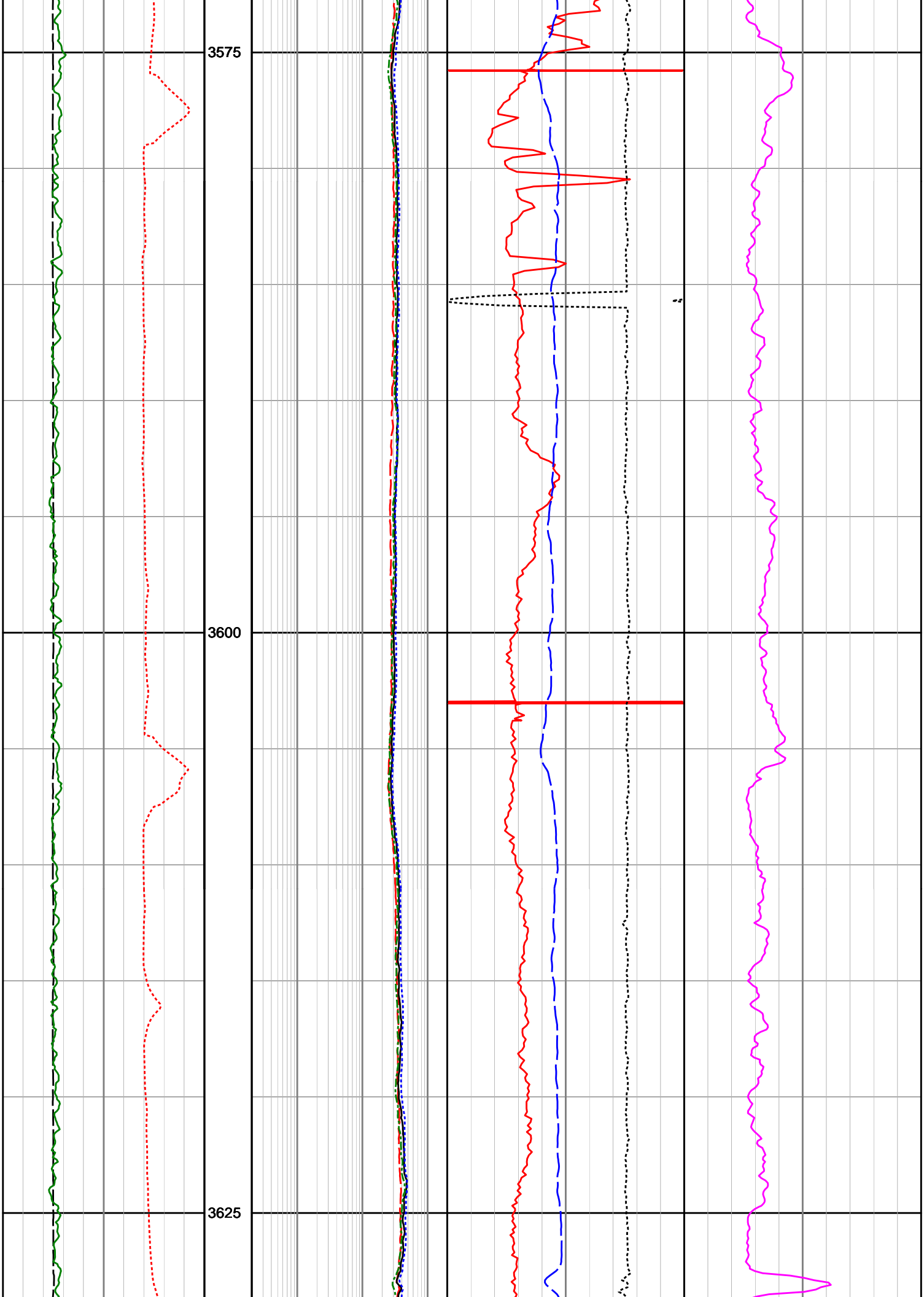


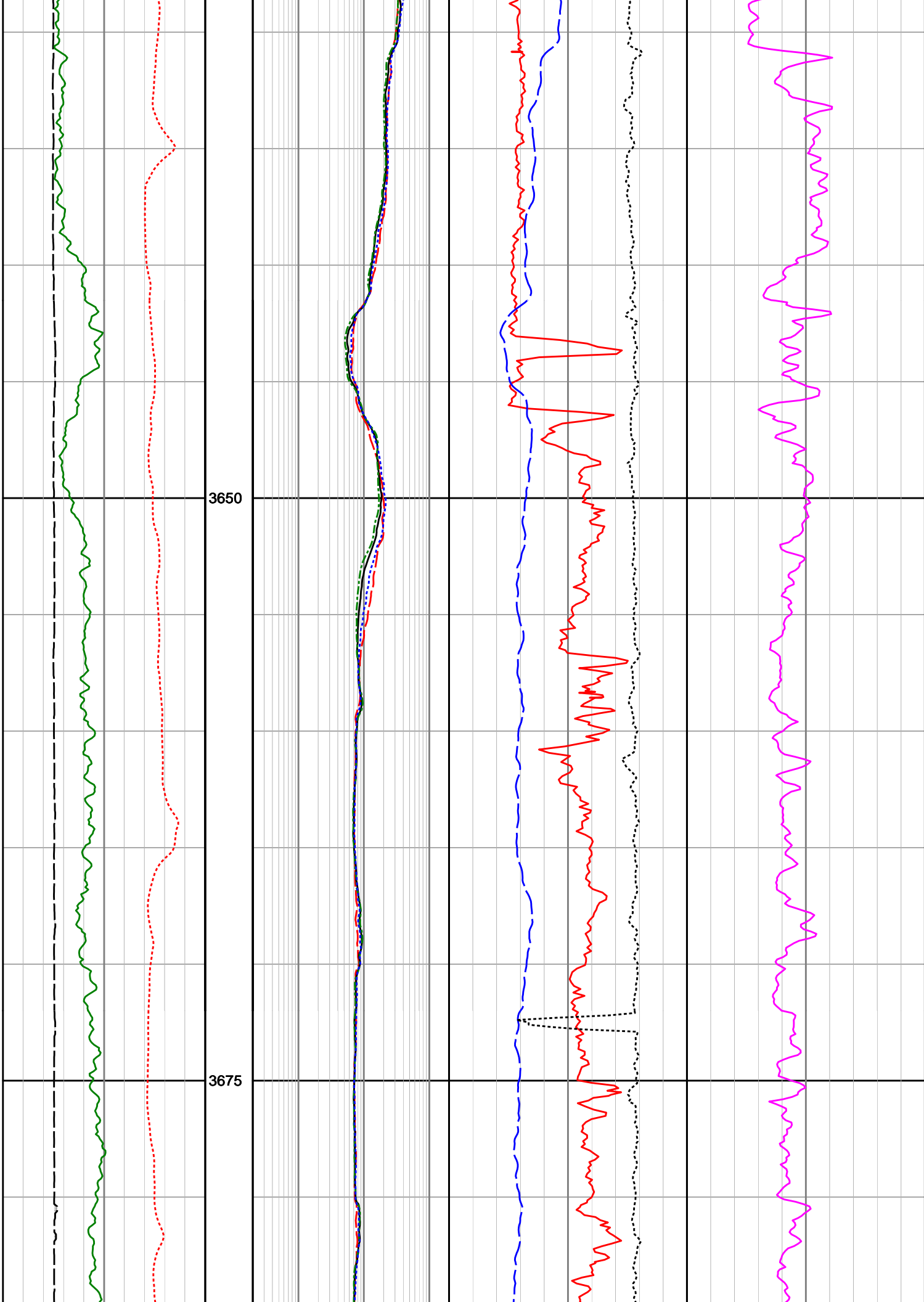


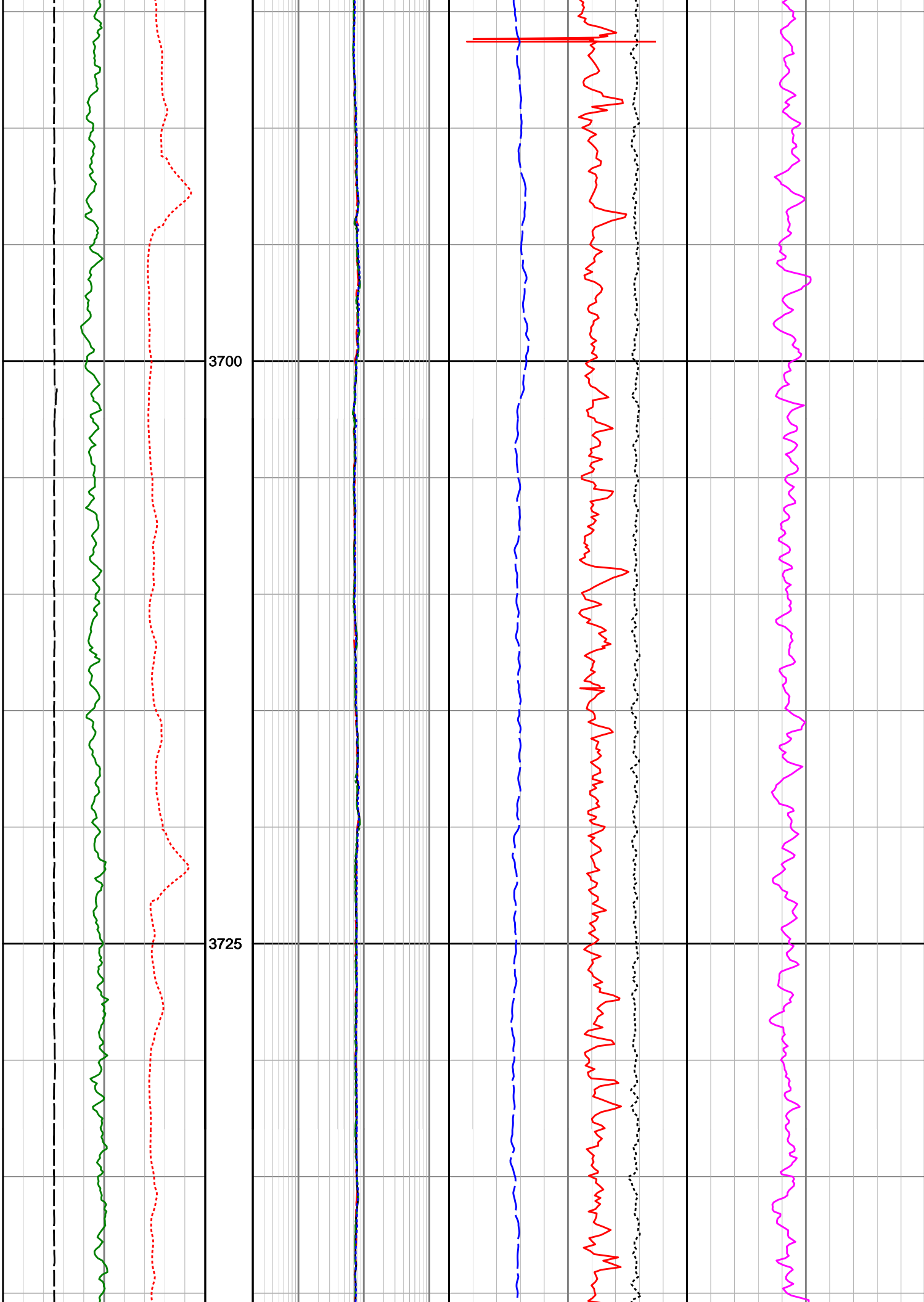


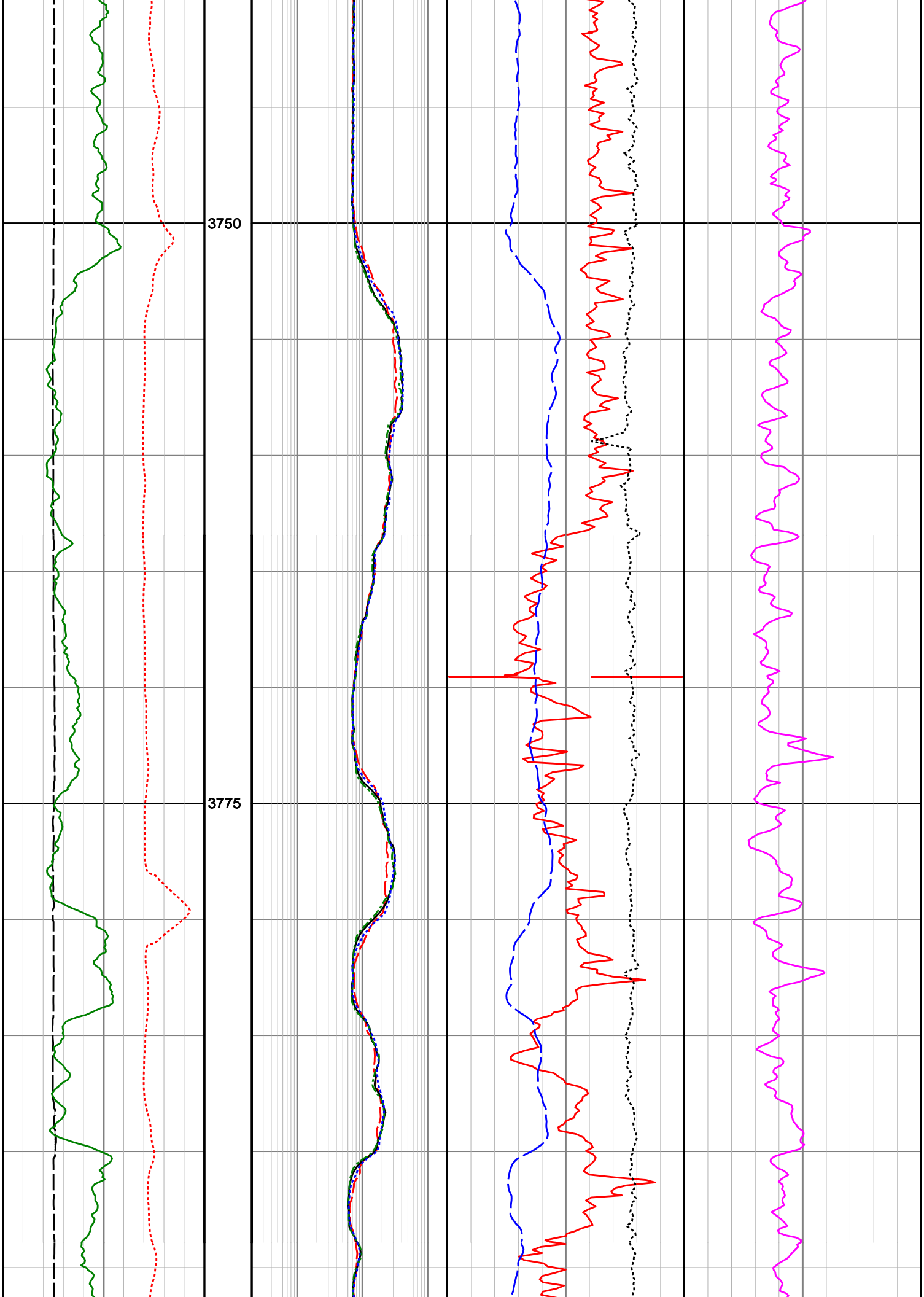


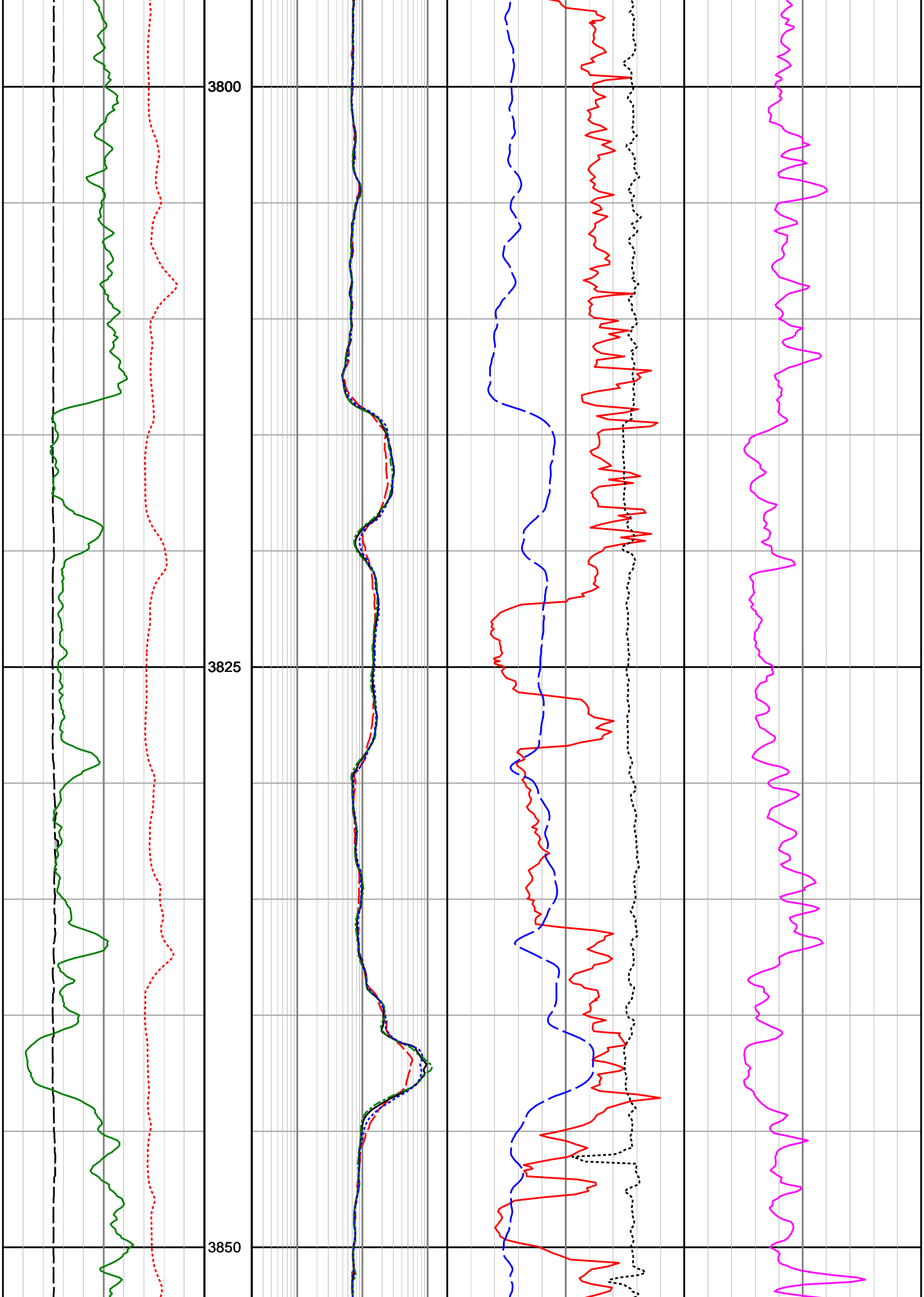


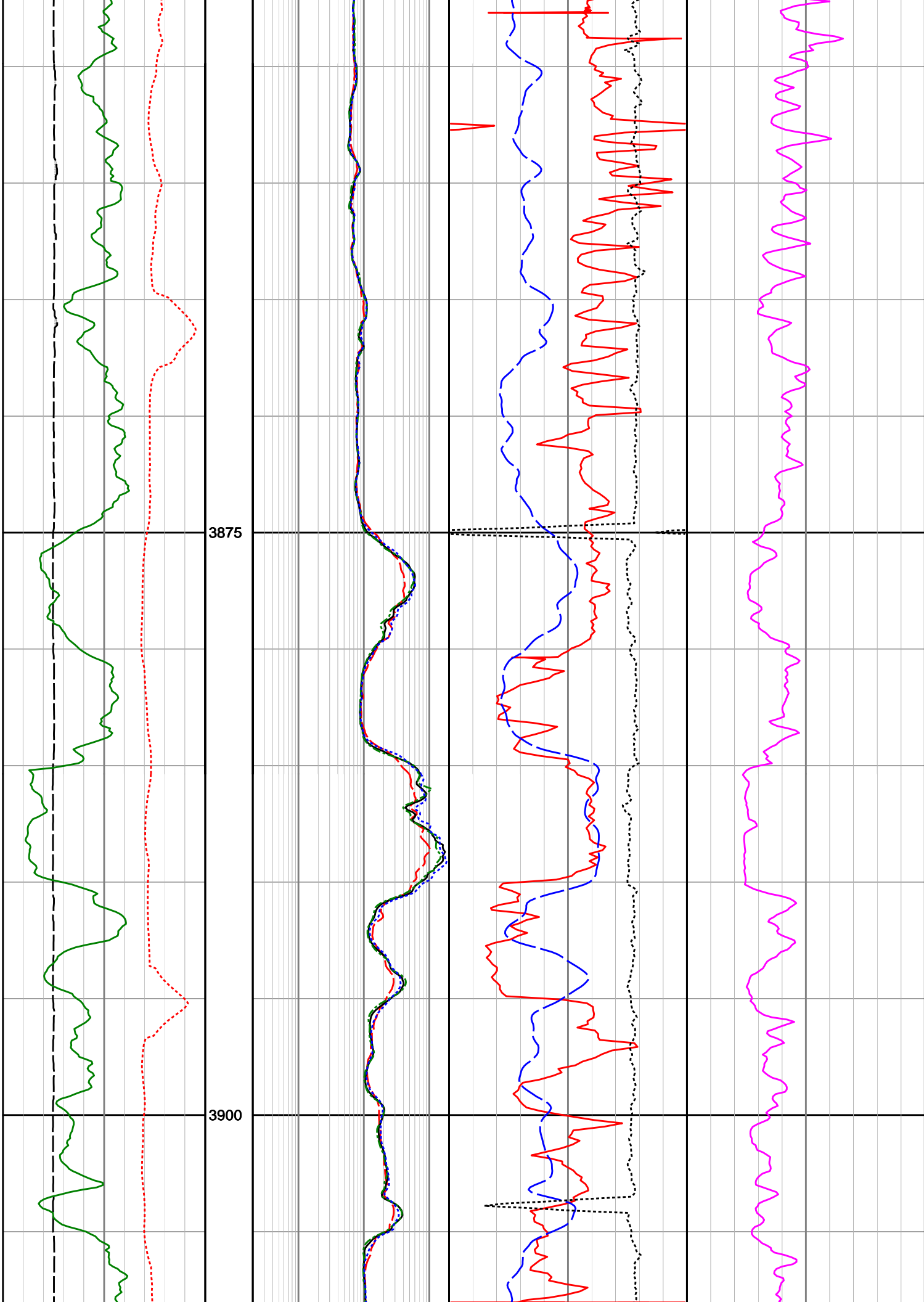


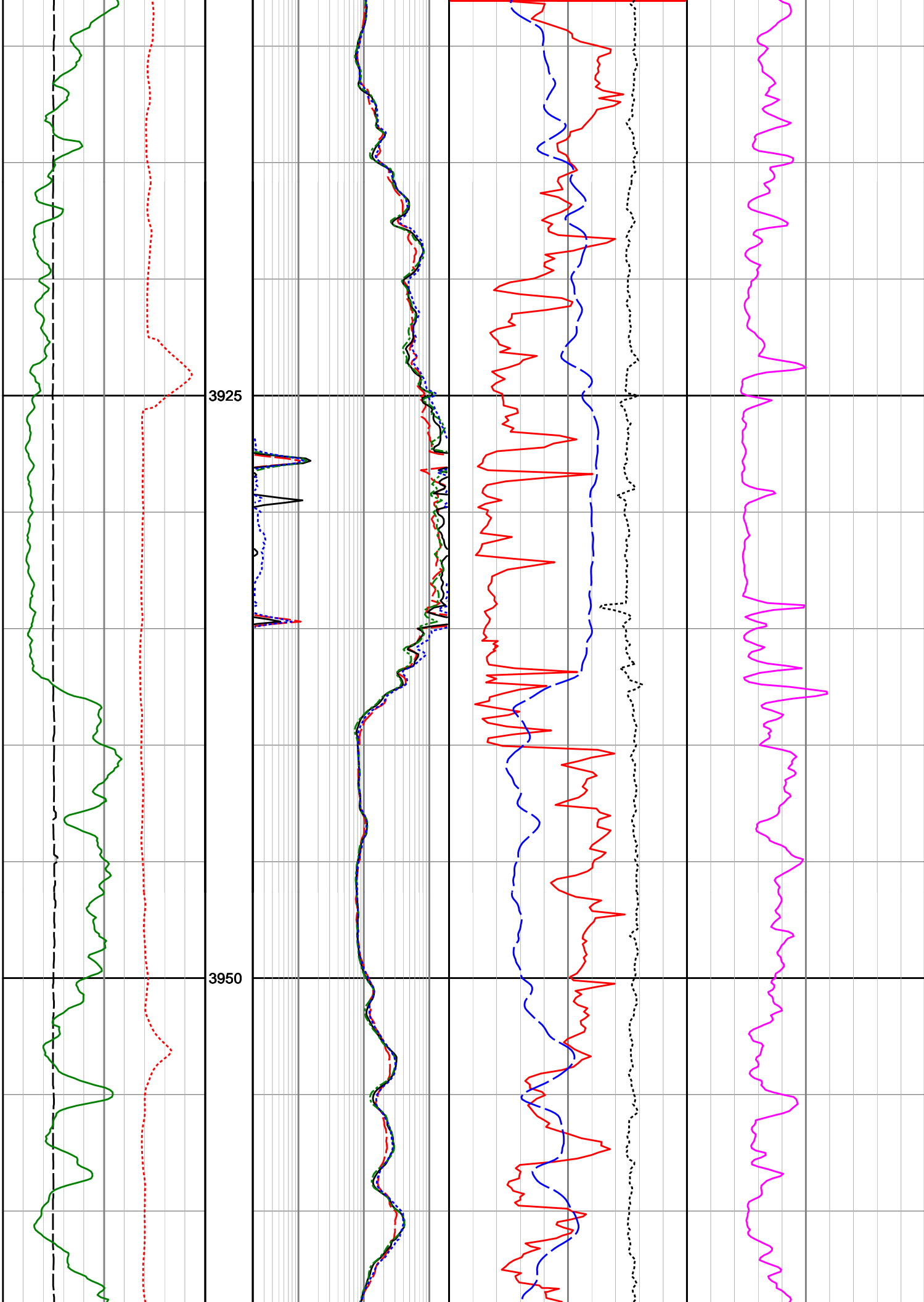


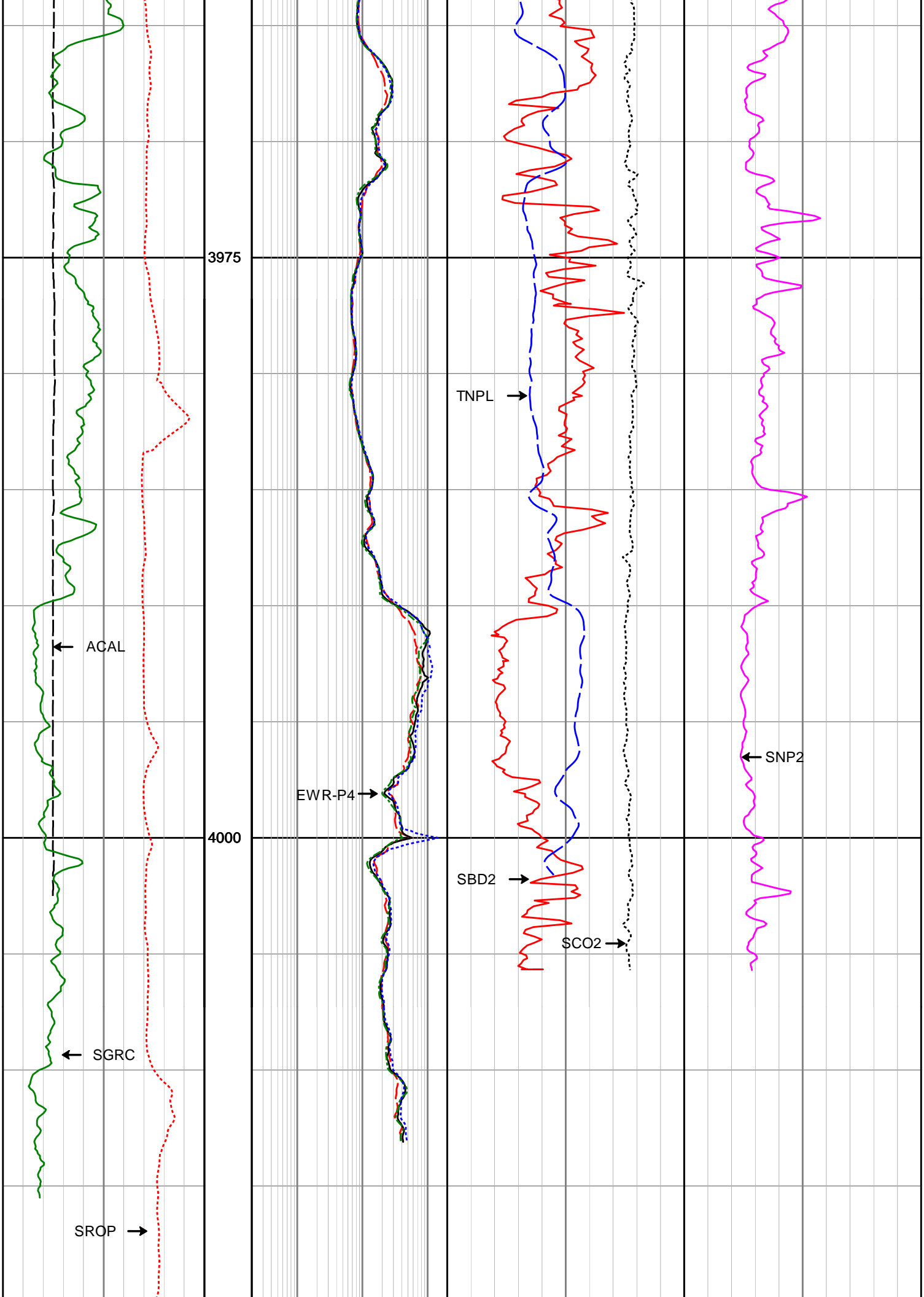












		4025				
			TD THA02 @ 4026.0 mMDRT			



HALLIBURTON

DIRECTIONAL SURVEY REPORT

Woodside Energy Ltd

THA02

Thylacine

Tasmania

Australia

AU-FE-000393065

RT-LAT=50.5m

Surveys from 169.13m to 2229.34m are SUCOP and SAG Corrected

Surveys from 2259.31m to 2380.35m are SAG Corrected.

Surveys from 2409.42m to 3596.90m are Cazandra and SAG Corrected.

Surveys from 3625.86m to 3683.72m are SAG Corrected.

Surveys from 3712.66m to TD are SUCOP and SAG Corrected.

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
0.000	0.00	0.00	0.000	0.000 N	0.000 E	0.000	TIE-IN
150.000	0.00	0.00	150.000	0.000 N	0.000 E	0.000	0.00
169.130	0.71	221.05	169.130	0.089 S	0.078 W	0.073	1.11
208.000	0.52	196.77	207.997	0.440 S	0.287 W	0.261	0.25
220.400	0.29	185.42	220.397	0.525 S	0.306 W	0.275	0.59
259.700	0.89	270.66	259.695	0.621 S	0.621 W	0.584	0.70
341.490	2.59	273.52	341.444	0.500 S	3.101 W	3.066	0.62
370.420	3.21	272.48	370.337	0.425 S	4.562 W	4.530	0.65
399.400	3.84	274.34	399.262	0.316 S	6.340 W	6.312	0.66
428.360	4.65	272.33	428.143	0.195 S	8.480 W	8.455	0.85
457.280	5.51	259.78	456.950	0.394 S	11.018 W	10.977	1.45
486.270	5.77	264.15	485.799	0.789 S	13.838 W	13.769	0.52
525.140	5.59	268.32	524.479	1.044 S	17.674 W	17.584	0.35
544.150	6.87	262.02	543.376	1.229 S	19.725 W	19.621	2.29
572.990	5.92	272.75	572.038	1.397 S	22.919 W	22.800	1.58
601.890	6.64	272.65	600.764	1.248 S	26.077 W	25.961	0.75
620.250	6.72	280.11	619.000	1.010 S	28.195 W	28.089	1.42

637.830	6.20	276.25	636.468	0.726 S	30.151 W	30.058	1.16
666.700	5.81	274.13	665.180	0.451 S	33.158 W	33.077	0.47
724.560	4.14	270.99	722.820	0.204 S	38.168 W	38.092	0.88
753.490	4.52	273.28	751.667	0.121 S	40.350 W	40.275	0.43
782.470	4.29	270.74	780.562	0.042 S	42.574 W	42.500	0.31
811.430	4.34	267.95	809.439	0.067 S	44.752 W	44.673	0.22
840.350	4.62	270.66	838.271	0.093 S	47.010 W	46.926	0.36
869.340	4.34	269.72	867.173	0.085 S	49.275 W	49.187	0.30
898.280	3.92	268.79	896.037	0.111 S	51.359 W	51.266	0.44
927.230	4.40	268.45	924.911	0.162 S	53.458 W	53.359	0.50
956.070	3.73	266.06	953.678	0.256 S	55.500 W	55.392	0.72
984.970	4.34	268.49	982.507	0.350 S	57.531 W	57.414	0.66
1013.890	4.16	272.00	1011.347	0.342 S	59.673 W	59.553	0.33
1042.820	4.06	274.94	1040.203	0.217 S	61.742 W	61.626	0.24
1071.770	3.93	261.43	1069.083	0.277 S	63.744 W	63.621	0.98
1100.720	4.17	266.35	1097.961	0.491 S	65.776 W	65.637	0.44
1129.600	4.49	268.53	1126.758	0.587 S	67.954 W	67.806	0.37
1158.570	5.03	274.87	1155.628	0.509 S	70.353 W	70.205	0.78
1187.500	6.72	277.51	1184.405	0.180 S	73.295 W	73.161	1.77
1216.400	7.21	278.85	1213.092	0.320 N	76.763 W	76.653	0.54
1274.310	7.49	272.32	1270.527	1.032 N	84.125 W	84.044	0.46
1303.240	7.51	269.23	1299.210	1.083 N	87.900 W	87.815	0.42
1332.210	7.47	270.49	1327.933	1.074 N	91.676 W	91.584	0.18
1361.320	8.41	273.97	1356.763	1.237 N	95.692 W	95.603	1.09
1390.210	9.62	275.12	1385.296	1.599 N	100.204 W	100.128	1.27
1419.150	9.54	275.91	1413.833	2.062 N	104.998 W	104.941	0.16
1448.060	9.40	274.75	1442.349	2.504 N	109.734 W	109.694	0.25
1476.990	9.05	273.21	1470.904	2.827 N	114.360 W	114.331	0.44
1505.900	8.41	272.71	1499.479	3.054 N	118.742 W	118.719	0.67
1534.850	8.28	270.88	1528.123	3.187 N	122.941 W	122.919	0.31
1563.740	8.34	272.11	1556.710	3.296 N	127.114 W	127.092	0.19
1592.670	8.65	273.85	1585.322	3.519 N	131.382 W	131.365	0.42
1621.600	8.77	273.02	1613.919	3.781 N	135.755 W	135.746	0.18
1650.500	8.90	271.30	1642.476	3.948 N	140.190 W	140.183	0.31
1679.430	9.29	270.16	1671.042	4.005 N	144.762 W	144.751	0.45
1708.390	9.95	271.28	1699.595	4.068 N	149.601 W	149.586	0.71
1737.350	13.61	273.91	1727.940	4.356 N	155.504 W	155.495	3.83
1766.320	14.48	273.78	1756.044	4.827 N	162.519 W	162.525	0.90
1795.250	18.77	275.16	1783.758	5.485 N	170.767 W	170.798	4.47
1824.140	21.92	277.04	1810.843	6.564 N	180.751 W	180.827	3.34
1853.060	24.85	276.60	1837.384	7.924 N	192.147 W	192.283	3.04
1882.070	26.96	269.43	1863.484	8.560 N	204.783 W	204.935	3.90
1911.030	30.94	270.57	1888.821	8.569 N	218.797 W	218.926	4.16
1939.980	35.09	272.02	1913.091	8.936 N	234.562 W	234.686	4.38
1968.910	38.21	272.59	1936.299	9.634 N	251.815 W	251.950	3.25
1997.860	41.94	273.44	1958.448	10.619 N	270.423 W	270.584	3.91
2026.790	45.44	272.99	1979.363	11.737 N	290.372 W	290.564	3.64
2055.710	48.46	272.75	1999.103	12.794 N	311.476 W	311.695	3.14
2084.640	51.86	272.71	2017.634	13.852 N	333.661 W	333.904	3.53
2110.880	54.91	272.40	2033.283	14.790 N	354.700 W	354.961	3.50
2142.550	59.40	274.22	2050.456	16.336 N	381.254 W	381.560	4.49
2171.490	64.94	274.96	2063.962	18.388 N	406.754 W	407.136	5.78
2200.390	65.78	275.15	2076.010	20.702 N	432.920 W	433.392	0.89
2229.340	69.94	274.26	2086.918	22.899 N	459.639 W	460.194	4.39
2259.310	73.39	274.89	2096.345	25.169 N	487.992 W	488.631	3.50
2287.290	73.01	274.85	2104.432	27.443 N	514.681 W	515.407	0.41
2295.600	72.83	274.15	2106.873	28.066 N	522.600 W	523.348	2.50
2324.710	74.76	273.81	2114.996	30.006 N	550.485 W	551.299	2.02
2353.600	77.11	274.62	2122.017	32.067 N	578.431 W	579.317	2.57
2380.350	80.82	275.67	2127.136	34.422 N	604.575 W	605.554	4.32
2409.420	83.75	281.32	2131.041	38.680 N	633.050 W	634.228	6.52
2440.380	86.54	283.47	2133.662	45.302 N	663.175 W	664.686	3.41
2469.290	89.57	284.75	2134.643	52.345 N	691.193 W	693.064	3.41
2497.930	92.66	285.85	2134.085	59.900 N	718.809 W	721.071	3.44
2527.130	93.22	285.11	2132.588	67.684 N	746.912 W	749.578	0.95
2556.060	93.09	282.07	2130.995	74.470 N	774.986 W	777.998	3.15
2584.990	93.16	278.76	2129.417	79.692 N	803.393 W	806.660	3.43
2613.890	92.85	276.08	2127.902	83.418 N	832.009 W	835.444	2.80
2642.820	92.60	275.29	2126.527	86.281 N	860.764 W	864.316	0.86
2671.780	90.50	275.95	2125.743	89.116 N	889.572 W	893.240	2.28
2700.740	90.75	275.69	2125.428	92.052 N	918.381 W	922.171	0.37

2729.710	90.50	276.17	2125.111	95.045 N	947.195 W	951.109	0.56
2758.640	90.07	275.82	2124.968	98.067 N	975.966 W	980.007	0.57
2786.010	89.20	277.60	2125.142	101.265 N	1003.146 W	1007.327	2.17
2816.450	88.53	274.82	2125.745	104.557 N	1033.399 W	1037.720	2.82
2843.560	89.08	272.77	2126.310	106.350 N	1060.442 W	1064.821	2.35
2872.880	88.15	274.77	2127.019	108.277 N	1089.688 W	1094.130	2.26
2901.720	87.41	276.08	2128.136	111.002 N	1118.377 W	1122.928	1.56
2932.300	87.66	276.72	2129.452	114.408 N	1148.738 W	1153.435	0.67
2961.250	88.53	273.72	2130.414	117.040 N	1177.548 W	1182.350	3.24
2990.180	88.22	277.49	2131.235	119.863 N	1206.323 W	1211.240	3.92
3019.100	87.97	275.06	2132.196	123.023 N	1235.052 W	1240.103	2.53
3048.030	87.91	276.60	2133.236	125.959 N	1263.812 W	1268.986	1.60
3076.970	88.77	276.21	2134.074	129.186 N	1292.559 W	1297.872	0.98
3105.940	89.21	275.52	2134.585	132.146 N	1321.373 W	1326.808	0.85
3134.880	90.81	275.69	2134.580	134.973 N	1350.174 W	1355.724	1.67
3162.220	91.73	274.81	2133.974	137.474 N	1377.392 W	1383.042	1.40
3191.150	91.43	273.46	2133.176	139.559 N	1406.235 W	1411.957	1.43
3220.270	91.24	272.90	2132.498	141.174 N	1435.302 W	1441.069	0.61
3248.910	91.43	272.30	2131.831	142.473 N	1463.905 W	1469.699	0.66
3277.480	91.74	270.72	2131.040	143.225 N	1492.453 W	1498.243	1.69
3308.520	91.55	267.86	2130.149	142.841 N	1523.474 W	1529.190	2.77
3335.970	91.86	267.23	2129.332	141.666 N	1550.887 W	1556.488	0.77
3366.390	91.67	267.91	2128.395	140.377 N	1581.265 W	1586.741	0.70
3395.360	91.42	268.54	2127.614	139.480 N	1610.210 W	1615.586	0.70
3424.310	91.73	269.11	2126.818	138.886 N	1639.143 W	1644.435	0.67
3452.270	91.18	270.09	2126.108	138.691 N	1667.093 W	1672.327	1.21
3481.190	90.62	271.42	2125.654	139.073 N	1696.006 W	1701.214	1.50
3510.200	91.36	270.88	2125.153	139.655 N	1725.006 W	1730.198	0.95
3539.050	90.68	268.43	2124.639	139.481 N	1753.848 W	1758.982	2.64
3568.540	90.62	269.75	2124.305	139.013 N	1783.332 W	1788.390	1.34
3596.900	87.47	267.06	2124.777	138.224 N	1811.671 W	1816.635	4.38
3625.860	83.38	266.72	2127.087	136.659 N	1840.490 W	1845.315	4.25
3654.780	79.21	266.22	2131.463	134.900 N	1869.016 W	1873.692	4.36
3683.720	74.37	265.83	2138.074	132.948 N	1897.114 W	1901.630	5.03
3712.660	69.09	265.58	2147.144	130.892 N	1924.509 W	1928.859	5.48
3741.630	66.06	268.24	2158.195	129.442 N	1951.242 W	1955.464	4.04
3770.600	61.26	267.44	2171.046	128.467 N	1977.178 W	1981.300	5.03
3799.550	57.17	268.95	2185.860	127.677 N	2002.030 W	2006.064	4.45
3824.400	54.02	268.15	2199.900	127.161 N	2022.524 W	2026.493	3.89
3857.310	49.28	270.04	2220.315	126.740 N	2048.320 W	2052.222	4.53
3886.190	47.08	270.46	2239.570	126.832 N	2069.841 W	2073.712	2.31
3915.140	45.75	270.18	2259.529	126.950 N	2090.810 W	2094.653	1.39
3944.070	44.63	271.10	2279.918	127.178 N	2111.332 W	2115.154	1.34
3973.050	42.59	270.42	2300.899	127.445 N	2131.318 W	2135.122	2.17
4001.930	41.91	270.87	2322.277	127.663 N	2150.735 W	2154.519	0.77
4017.670	41.94	269.81	2333.988	127.726 N	2161.251 W	2165.021	1.35
4026.000	41.94	269.81	2340.184	127.707 N	2166.818 W	2170.578	0.00

CALCULATION BASED ON MINIMUM CURVATURE METHOD

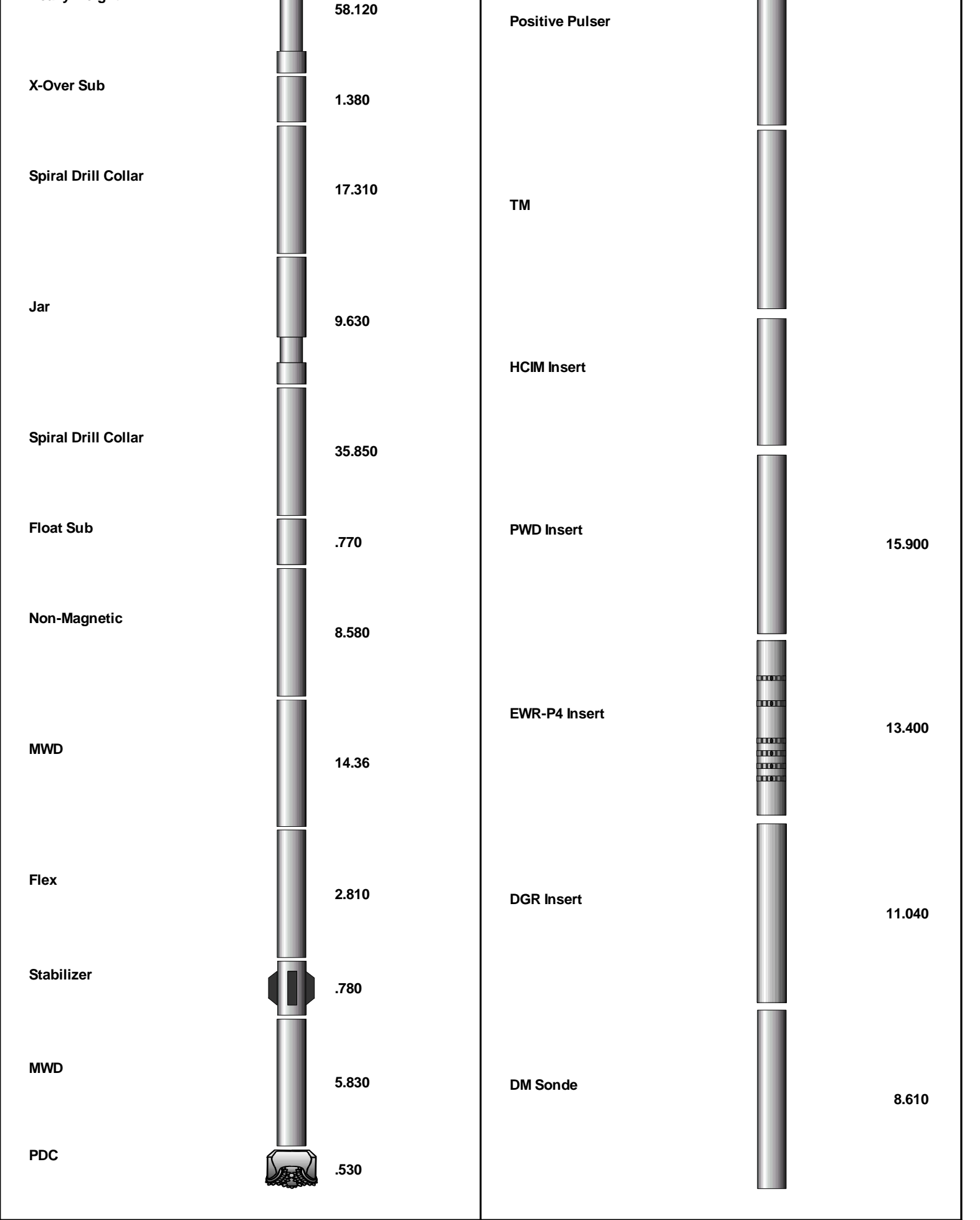
SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 273.32 DEGREES (GRID)
A TOTAL CORRECTION OF 12.31 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 4026.000 METRES
IS 2170.579 METRES ALONG 273.37 DEGREES (GRID)





















Date Printed:03 October 2006

MWD RUN 300 - BHA		MWD RUN 300 - MWD	
<div> <div>Component Length (m)</div> <div> <div>Heavv Weight</div> <div></div> </div> </div>		<div> <div>Sensor Measure Point Distance To Bit (m)</div> <div></div> </div>	



MWD RUN 400 - BHA	MWD RUN 400 - MWD
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Component Length	Sensor Measure
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		(m)			Measure Point Distance To Bit (m)
Heavy Weight		58.120	Positive Pulser		
Jar		9.860	TM		
Heavy Weight		19.380	FTWD Insert		28.520
X-Over Sub		1.380	PWD-FTWD Insert		28.660
Float Sub		.790	CTN Insert		25.340
Non-Magnetic		9.450	ALD Insert		21.270
MWD		27.21	HCIM Insert		
Stabilizer		.590	EWR-P4 Insert		13.680
Flex		2.770	DDS Insert		11.470
Geo-Pilot		7.060	DGR Insert		11.370
PDC		.420	DM Sonde		8.920

MWD RUN 500 - BHA

MWD RUN 500 - MWD

	Component Length (m)		Sensor Measure Point Distance To Bit (m)
Heavy Weight	58.120	Positive Pulser	
Jar	9.860	TM	
Heavy Weight	19.380	FTWD Insert	27.640
X-Over Sub	1.380	PWD-FTWD Insert	27.780
Float Sub	.790	CTN Insert	24.460
Non-Magnetic	9.450	ALD Insert	20.390
MWD	27.21	HCIM Insert	
Stabilizer	.590	EWR-P4 Insert	12.800
Flex	2.800	DDS Insert	10.590
Geo-Pilot	6.130	DGR Insert	10.490
PDC	1.000	DM Sonde	8.020



.430

