

# 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	Company	: Woodside Energy Ltd
Field	: Thylacine	Rig	: Maersk Guardian
Location	: 39° 14' 14.38" South GDA94 142° 54' 7.49" East GDA94	Well	: THA03
Well	: THA03	Field	: Thylacine
Company	: Woodside Energy Ltd	Country	: Australia
Rig	: Maersk Guardian	DOE Number	:
LOCATION		Other Services	
Latitude : 39° 14' 14.38" South GDA94		Directional Drilling	
Longitude : 142° 54' 7.49" East GDA94		FTWD	
UTM Easting = 664,159.0 m			
UTM Northing = 5,655,162.4m			
Permanent Datum	: LAT	Elevation	: 0.00 m
Log Measured From	: Drill Floor	50.50 m	Above Permanent Datum
Drilling Measured From	: Drill Floor	MD LOG	
Depth Logged	: 149.80 m To 3,780.00 m	Unit No.	: SSDS-40
Date Logged	: 22-May-06 To 03-Aug-06	Job No.	: AU-FE-0003930659
Total Depth MD	: 3,780.00 m TVD : 2,162.42 m	Plot Type	: Final
Spud Date	: 22-May-06	Plot Date	: 28-Sep-06
Run No.	Borehole Record (MD)		
1	Size From To	Run No.	Size From To
2	762.000 mm 149.80 m 218.40 m		
3	584.000 mm 218.40 m 638.00 m		
4	311.000 mm 638.00 m 2,148.00 m		
	216.000 mm 2,148.00 m 3,780.00 m		
		Size Weight From To	
		660.000 mm 458.00 kgpm 20.00 m	217.50 m
		473.000 mm 149.00 kgpm 20.00 m	632.60 m
		244.000 mm 70.00 kgpm 20.00 m	2,141.70 m

## WELL INFORMATION

MWD Run Number	300	400		
Date run completed	25-Jul-06	04-Aug-06		
Rig Bit Number	3	4		
Bit Size (mm)	311	216		
Tool Nominal OD (mm)	203	171		
Log Start Depth (MD, m)	638.00	2,148.00		
Log End Depth (MD, m)	2,148.00	3,780.00		
Drill or Wipe	Drilling	Drilling		
Drill/Wipe Start Date and Time	20-Jul-06 23:32	28-Jul-06 06:20		
Drill/Wipe End Date and Time	25-Jul-06 07:30	02-Aug-06 20:00		
Min Inc (deg) @ Depth (MD, m)	4.51 @ 1,378.33	45.51 @ 2,159.59		
Max Inc (deg) @ Depth (MD, m)	42.08 @ 2,130.26	96.13 @ 3,519.10		
Bit TFA(in2) / Bit Type	1.48 / Sec FM3563Z	1.11 / Sec FMF3653Z		
Flow Rate (gpm)	1113	740		
Max AV (mpm) / CV (mpm) @ MWD	155.1 / 129.0	211.2 / 138.0		
Fluid Type	SYN TEQ-CF	SYN TEQ-CF		
Density (sg) / Viscosity (spl)	1.25 / 80	1.25 / 73		
Filtrate CL (ppm)	25,355	38,842		
pH / Fluid Loss (mptm)	N/A / 2.0	N/A / 3.0		
PV (cP) / YP (pa)	40 / 12.45	37 / 9.10		
% Solids / % Sand	13.6 / 0.50	17 / 0.25		
% Oil / Oil:Water Ratio	59.0 / 69:31	63 / 76:24		
Rm @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A		
Rmf @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A		
Rmc @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A		
Max Tool Temp (degC) / Source	96 / EWR-P4	109 / EWR-P4		
Rm @ Max Tool Temp (degC)	N/A @ 96	N/A @ 109		
Lead MWD Engineer	B. Redmond	B. Redmond		
Customer Representative	S. Corless	S. Job		

## SENSOR INFORMATION

Downhole Processor Information					
Tool Type	HCIM	HCIM			
Software Version	68.18	72.13			
Sub Serial Number	189273	161828			
Insert Serial Number	133489	156824			
Date and Time Initialized	20-Jul-06 10:11	27-Jul-06 09:29			
Date and Time Read	25-Jul-06 10:52	08-Aug-06 17:59			

Directional Sensor Information					
Tool Type	DM	DM			
Distance From Bit (m)	8.69	8.94			
Software Version	3.15	3.15			
Sub Serial Number	10718049	192198			
Sonde Serial Number	185534	185534			
Sensor ID Number	N/A	N/A			
Toolface Offset (deg)	0	0			

Gamma Ray Sensor Information					
Tool Type	DGR	DGR			
Distance From Bit (m)	11.23	11.48			
Recorded Sample Period (sec)	12	14			
Software Version	N/A	N/A			
Sub Serial Number	10718409	218747			
Insert/Sonde Serial Number	087229	050437			

Resistivity Sensor Information					
Tool Type	EWR-P4	EWR-P4			
Distance From Bit (m)	13.59	13.83			
Recorded Sample Period (sec)	12	14			
Software Version	1.38	1.38			
Sub Serial Number	96506	197652			
Receiver Insert Serial Number	45162	74703			
Transmitter Insert Serial Number	123860	62499			
Receiver Orientation	Down	Down			

Neutron Sensor Information					
Tool Type		CTN			
Distance From Bit (m)		25.48			
Recorded Sample Period (sec)		20			
Sub Serial Number		174118			
Insert Serial Number		175366			
Source Serial Number		0102NN			
Source Factor		N/A			
Pin Orientation		Up			

Density Sensor Information					
Tool Type		ALD			
Distance From Bit (m)		21.41			
Recorded Sample Period (sec)		20			
Software Version		2.13			
Sub Serial Number		10718174			
Insert Serial Number		215918			
Sensor ID Number		32081			
Source Serial Number		2434GW			
Pin Orientation		Up			
Stabilizer Blade O.D. (mm)		209.550			
DPA Offset		332.30			

Caliper Sensor Information					
Tool Type		ACAL			
Distance From Bit (m)		24.42			
Software Version		1.00			

Software Version		4.20			
Sub Serial Number		174118			
Insert Serial Number		175366			

## 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:

SROP - Smoothed Rate of Penetration, m/hr  
 SGRC - Smoothed Combined Gamma Ray, api  
 ACAL - Smoothed Hole Size from Acoustic Caliper Tool, in  
 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  
 SCO2 - Smoothed Stand Off Correction, g/cc  
 SBD2 - Smoothed Bulk Density Compensated (Low Count Rate), g/cc  
 SNP2 - Smoothed Near Photoelectric Effect (Rapid Sample), b/e  
 TNPL - Smoothed Thermal Neutron Porosity (LS), v/v

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

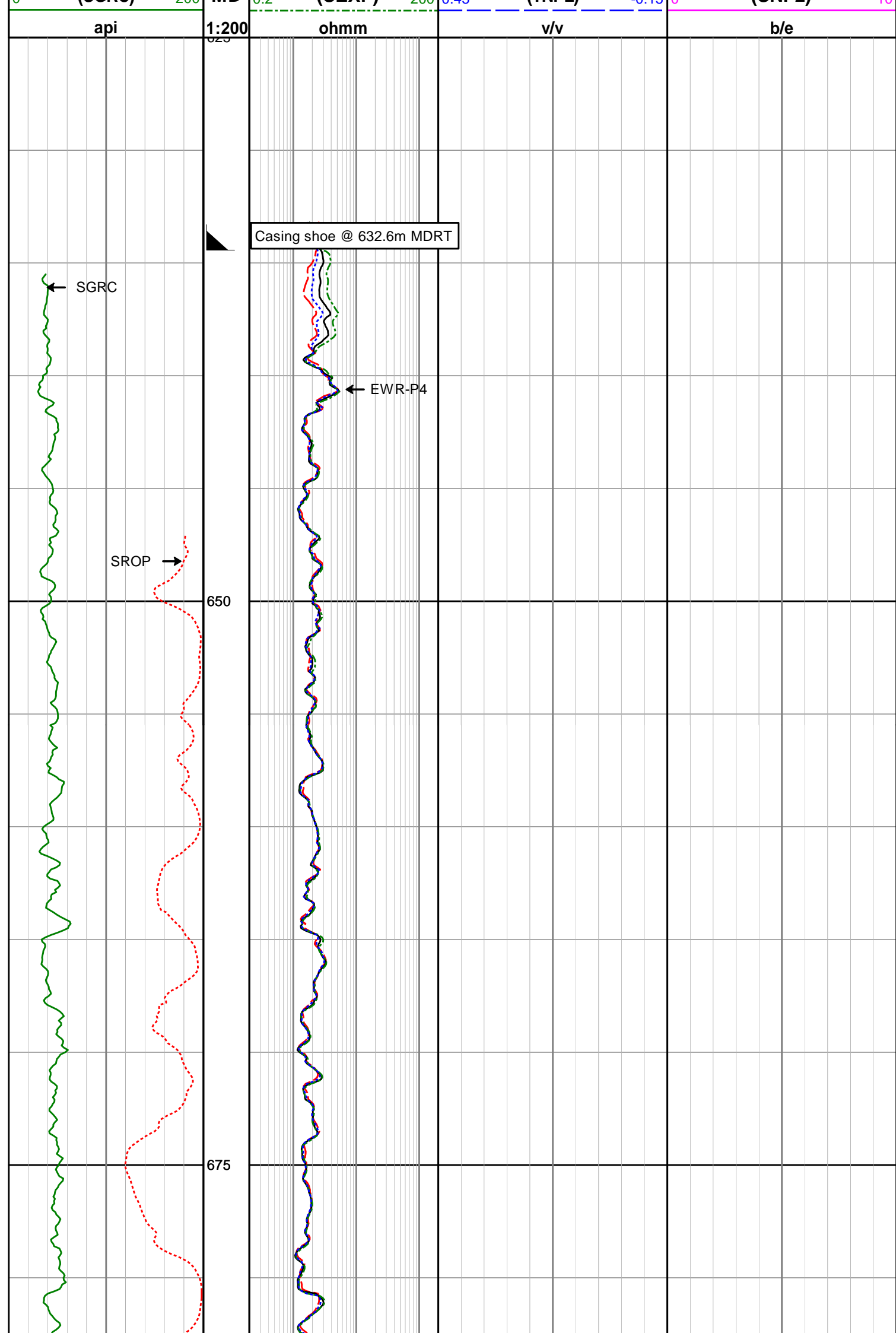
MW = 1.25 - 1.26 sg  
 Formation Salinity = 15,000 ppm Cl  
 Mud Salinity = 35,380 - 43,200 ppm Cl  
 Matrix Density = 2.71 g/cc  
 Fluid Density = 1.00 g/cc

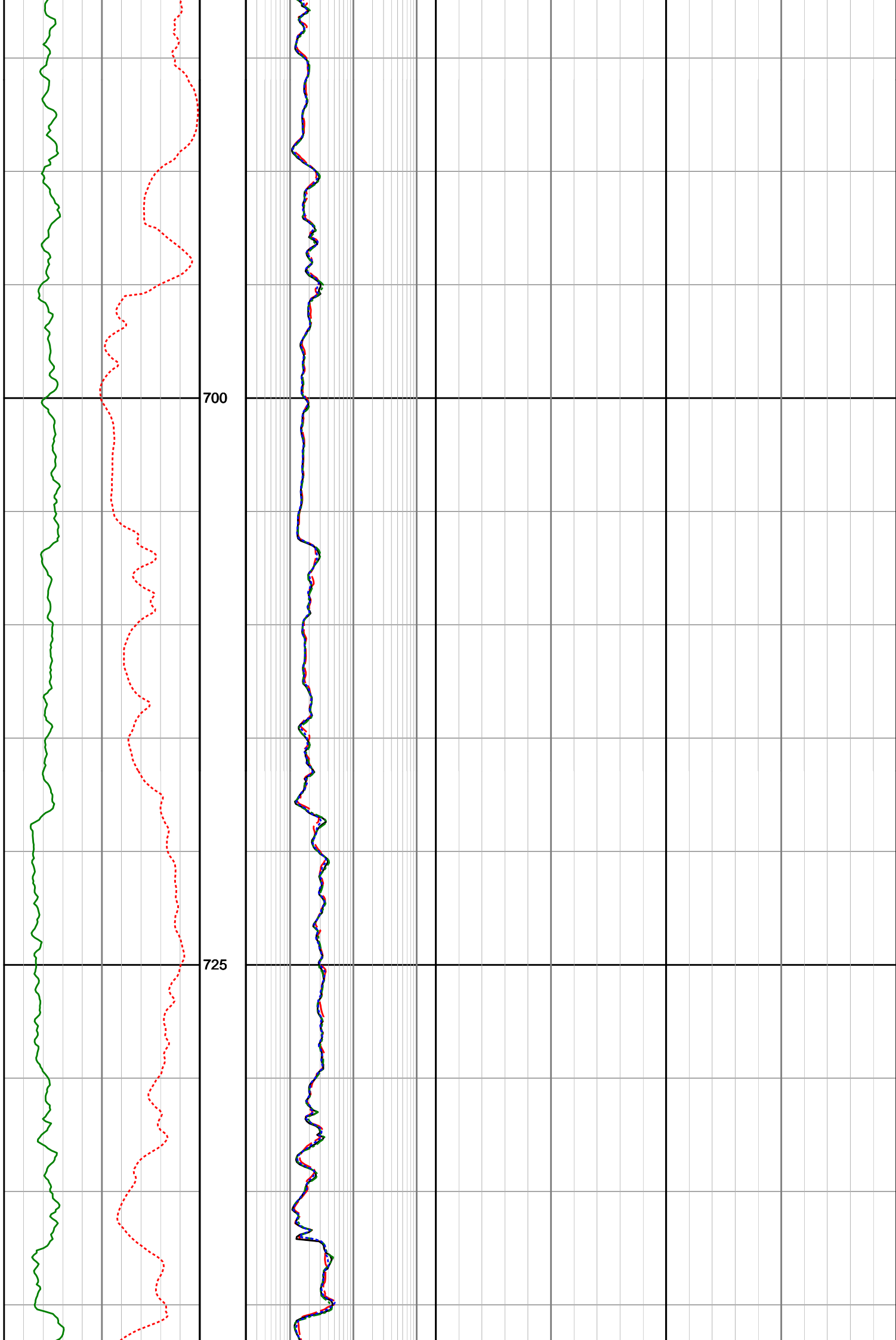
5.) CTN data has been reprocessed using hole size derived from the Acoustic Caliper tool.

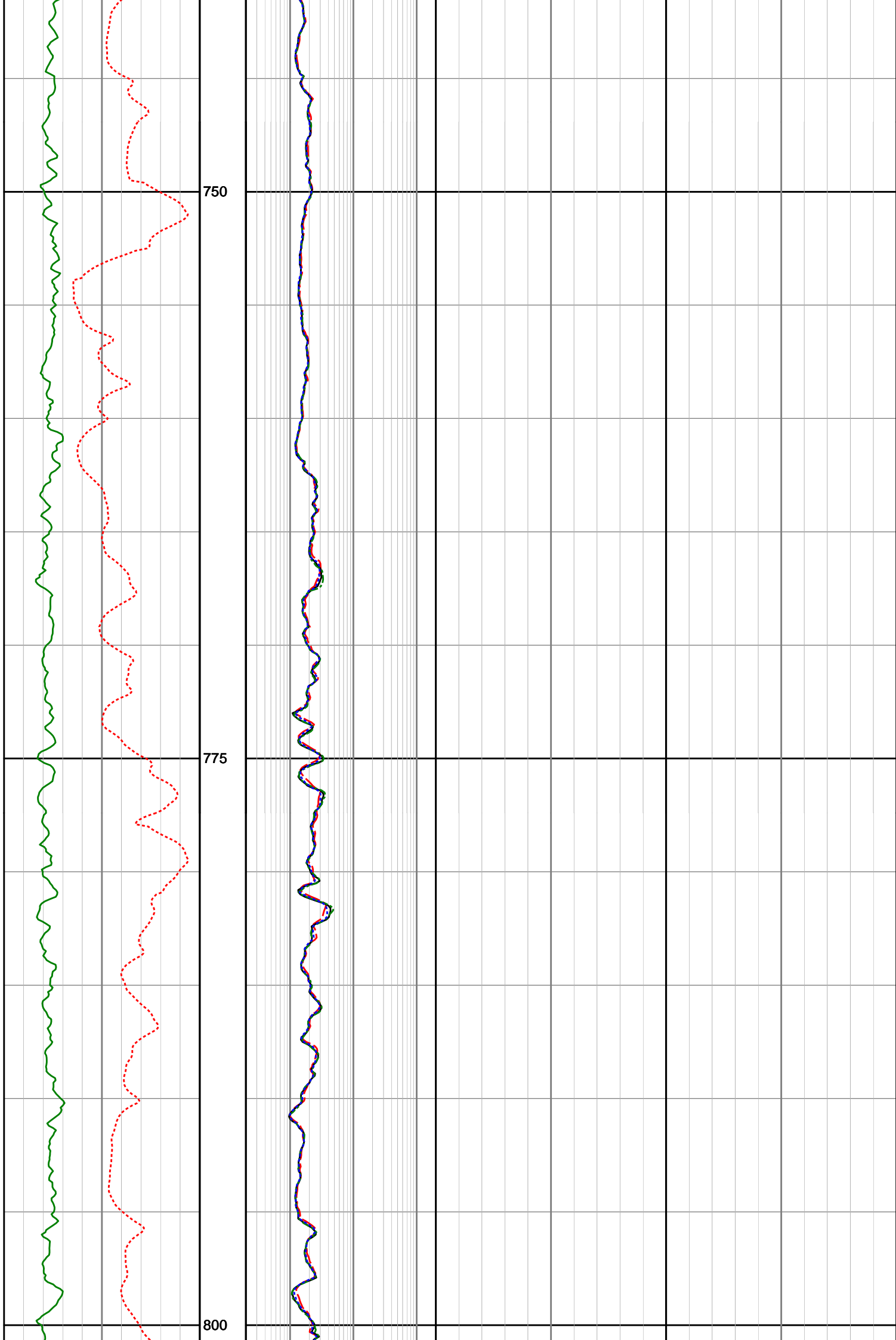
## WARRANTY

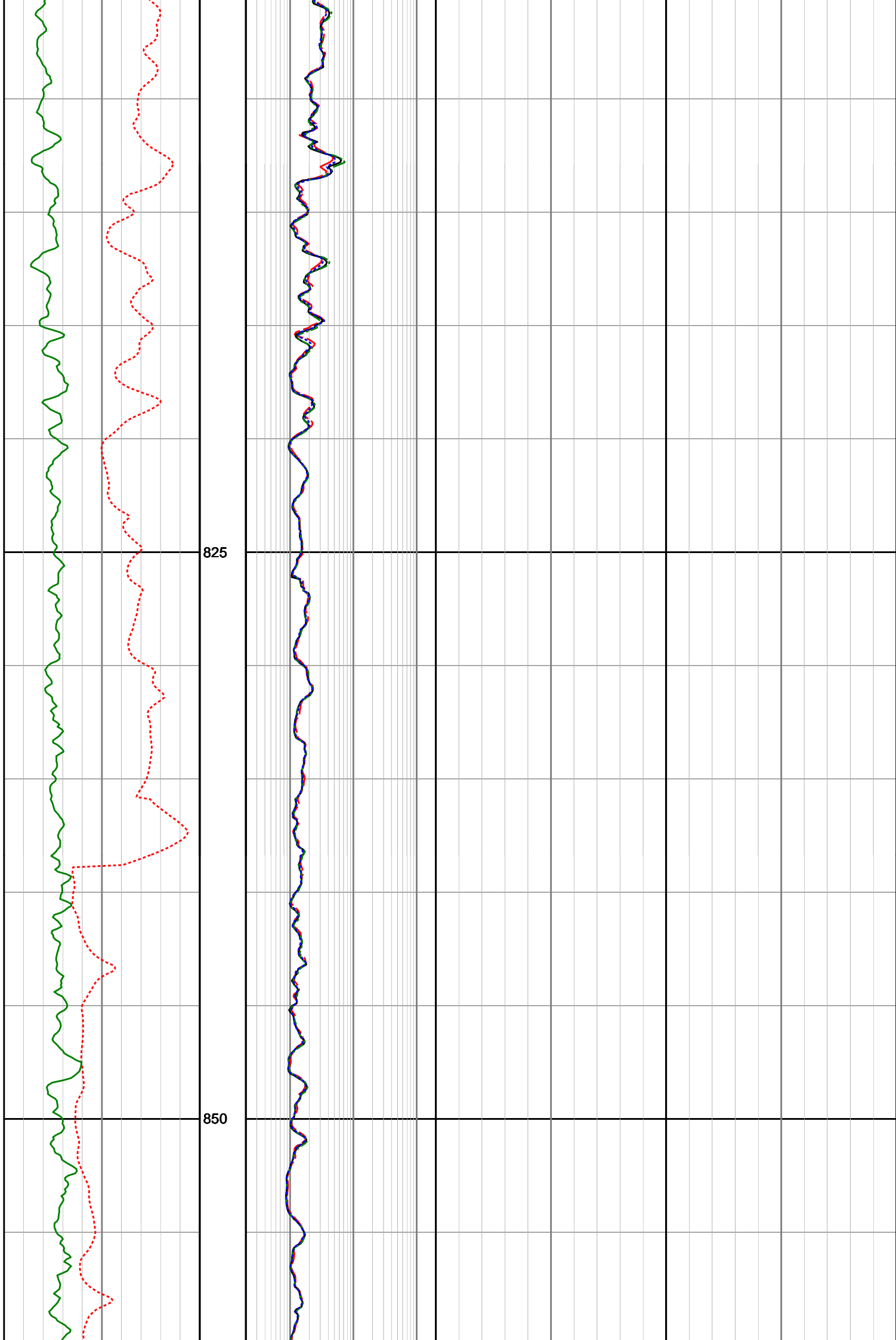
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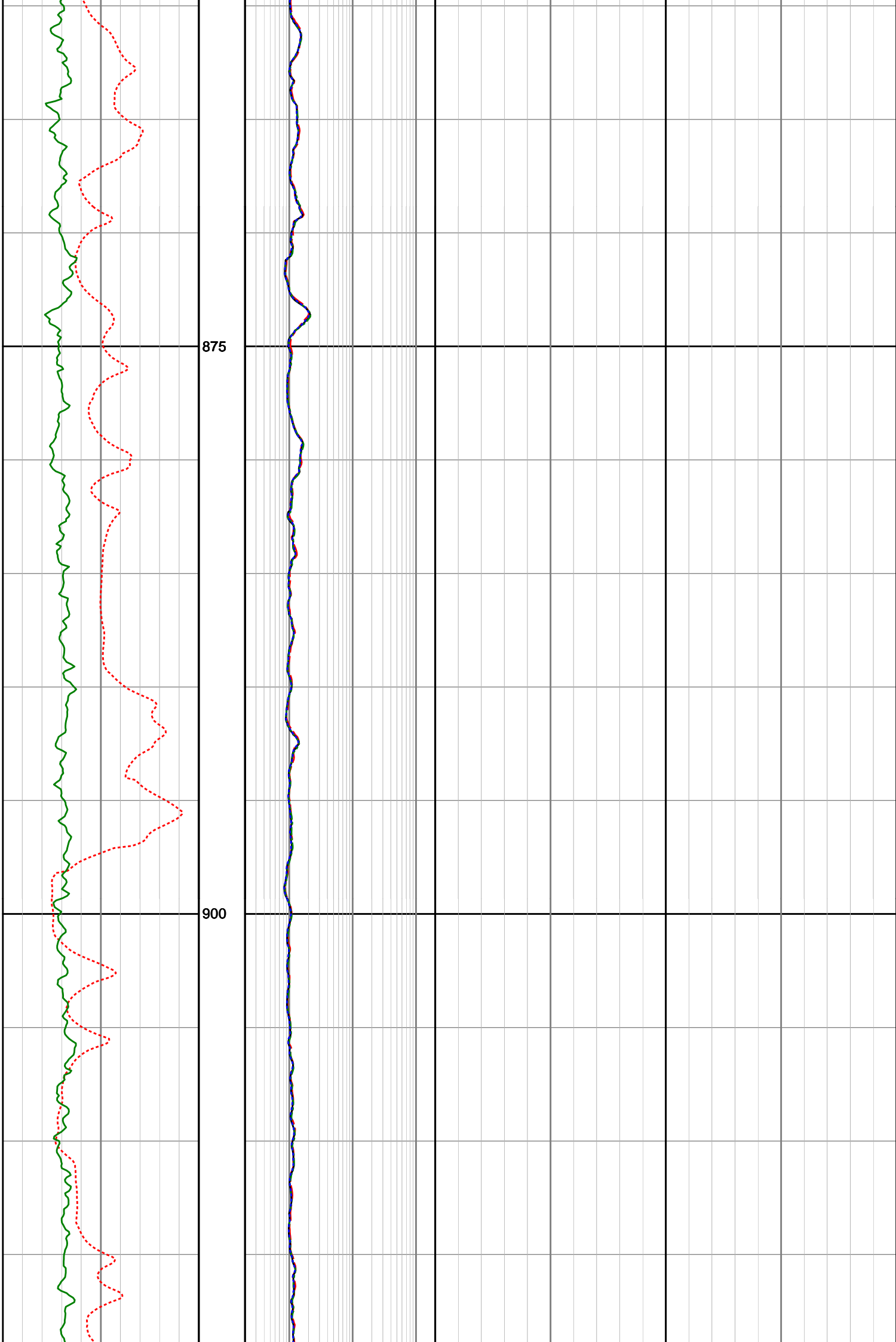
		Deep Phase Res (SEDP)			
		0.2	200		
		ohmm			
Acoustic Caliper (ACAL)		Medium Phase Res (SEMP)		Standoff Correction (SCO2)	
6	16	0.2	200	-0.75	0.25
inches		ohmm		g/cc	
Rate of Penetration (SROP)		Shallow Phase Res (SESP)		Bulk Density (SBD2)	
100	0	0.2	200	1.95	2.95
m/hr		ohmm		g/cc	
Gamma Ray (SGRC)		X-Shallow Phase Res (SEXP)		Neutron Porosity (TNPL)	
0	200	0.2	200	0.45	0.15
MD				Photoelectric Effect (SNP2)	



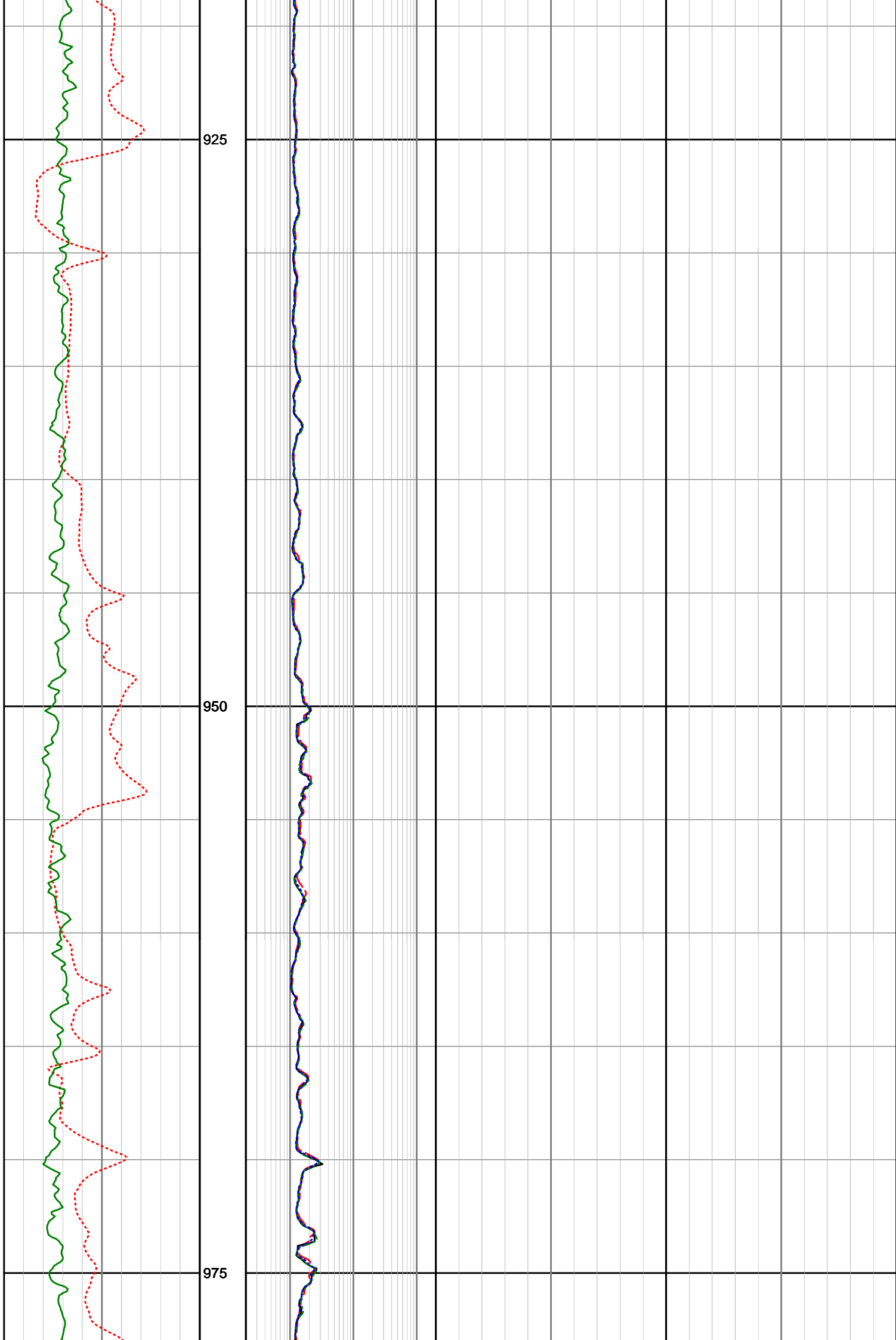


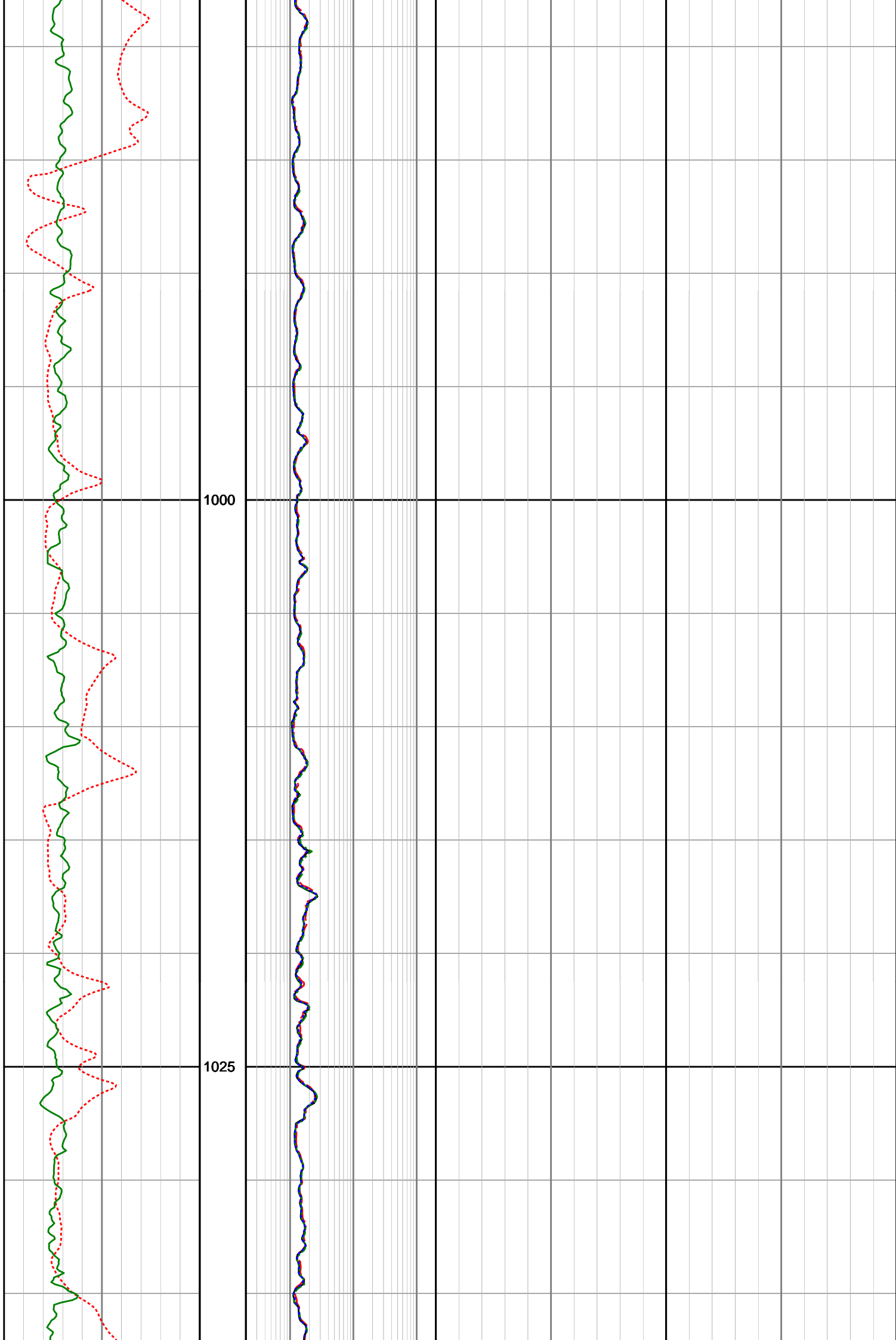


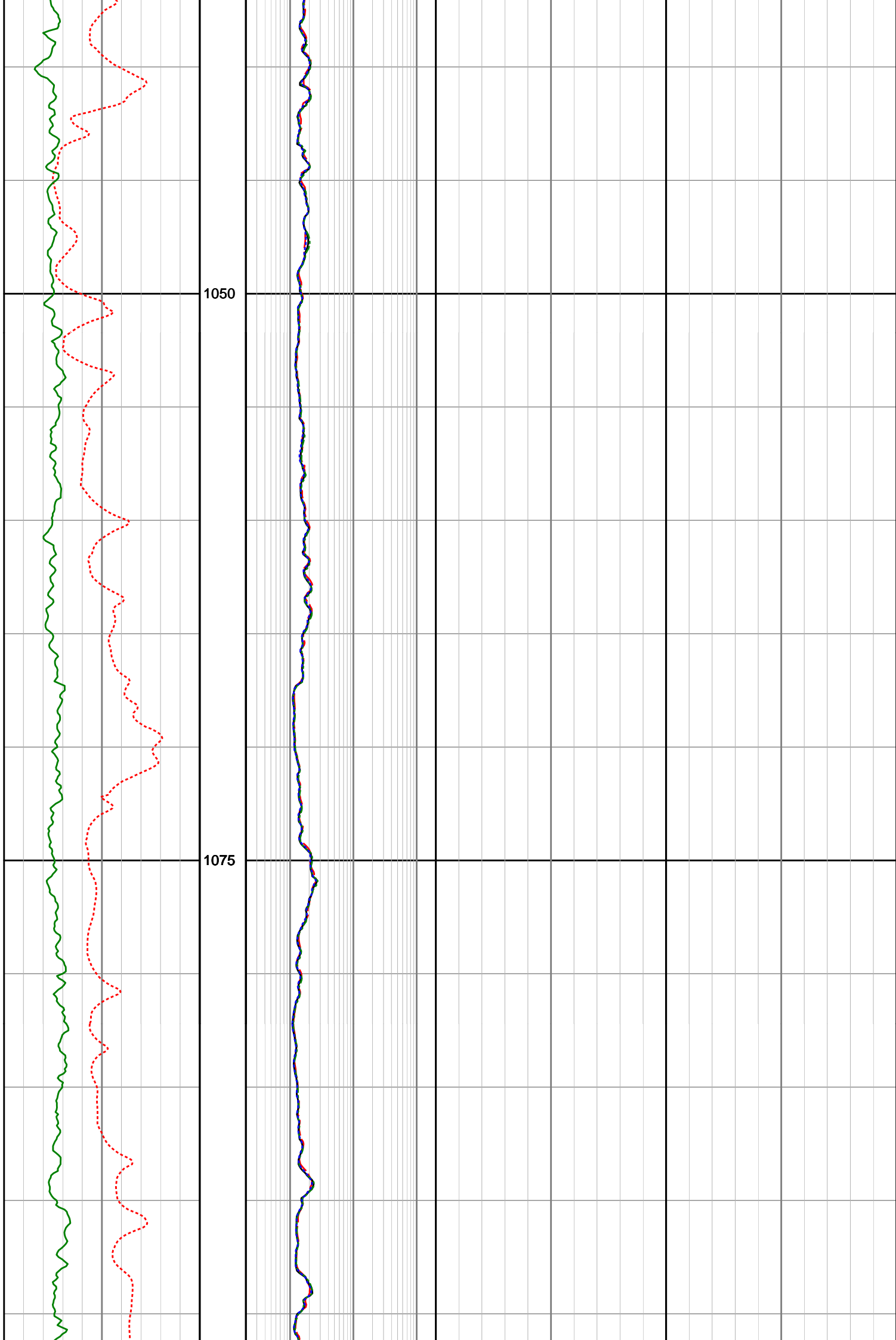


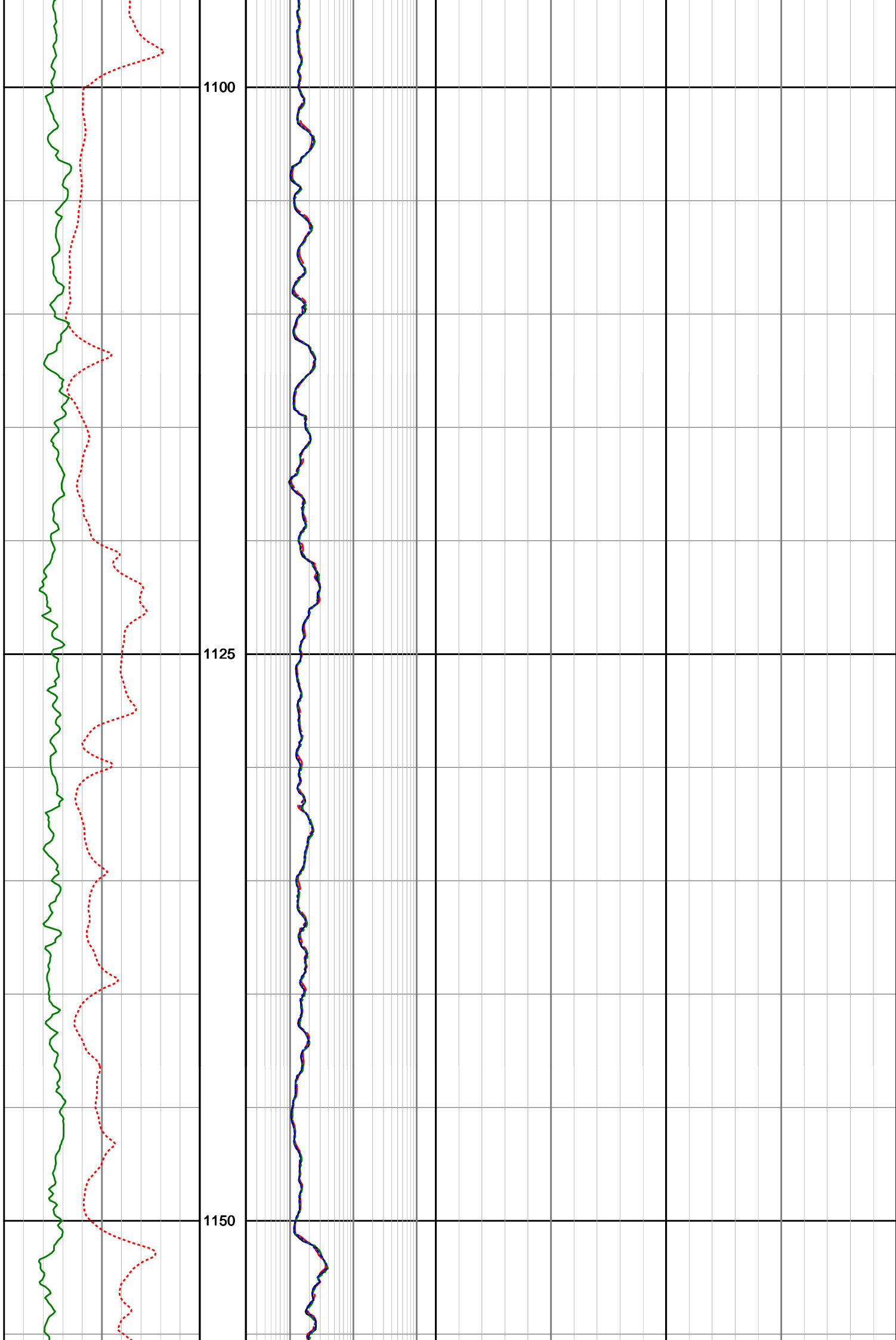


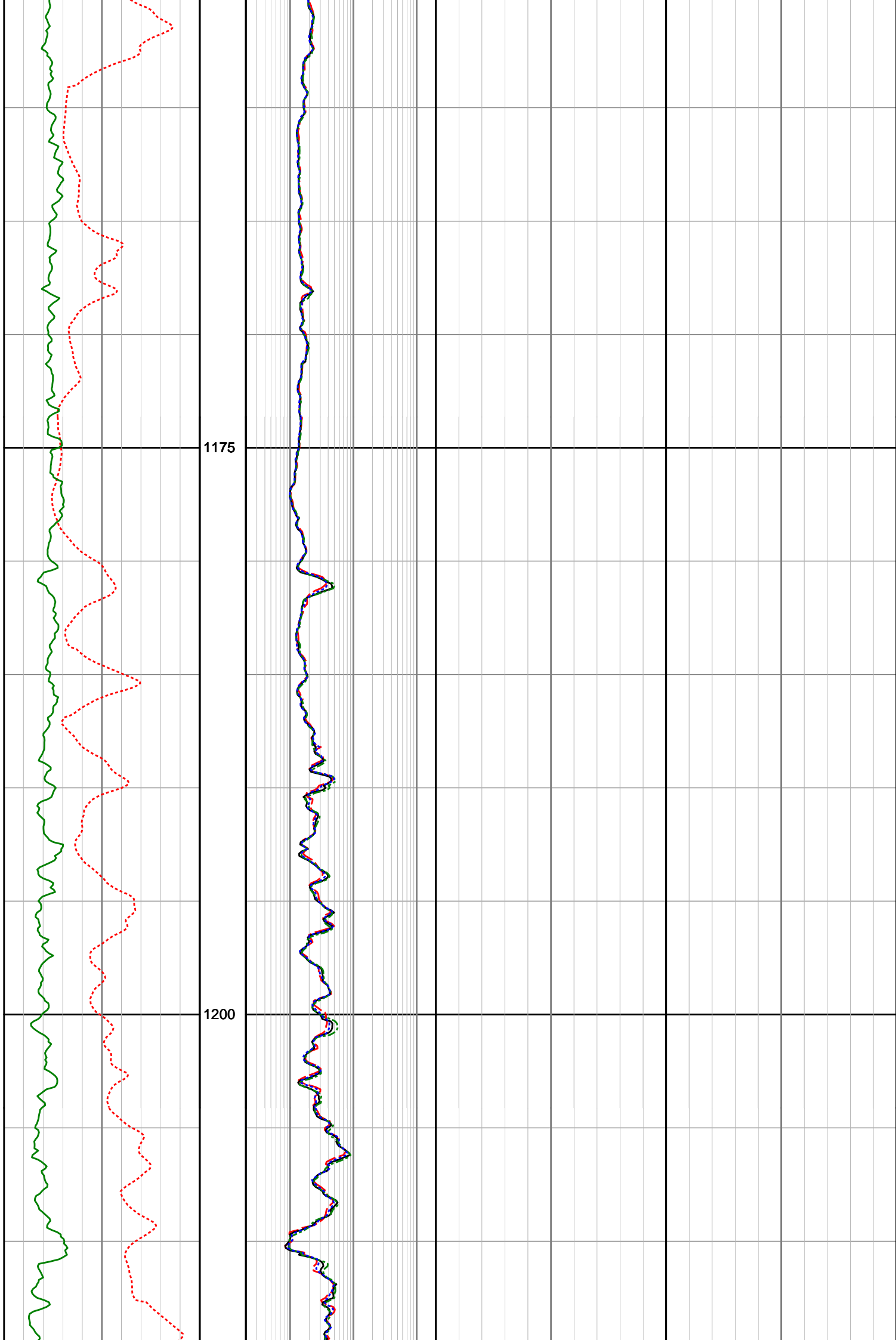


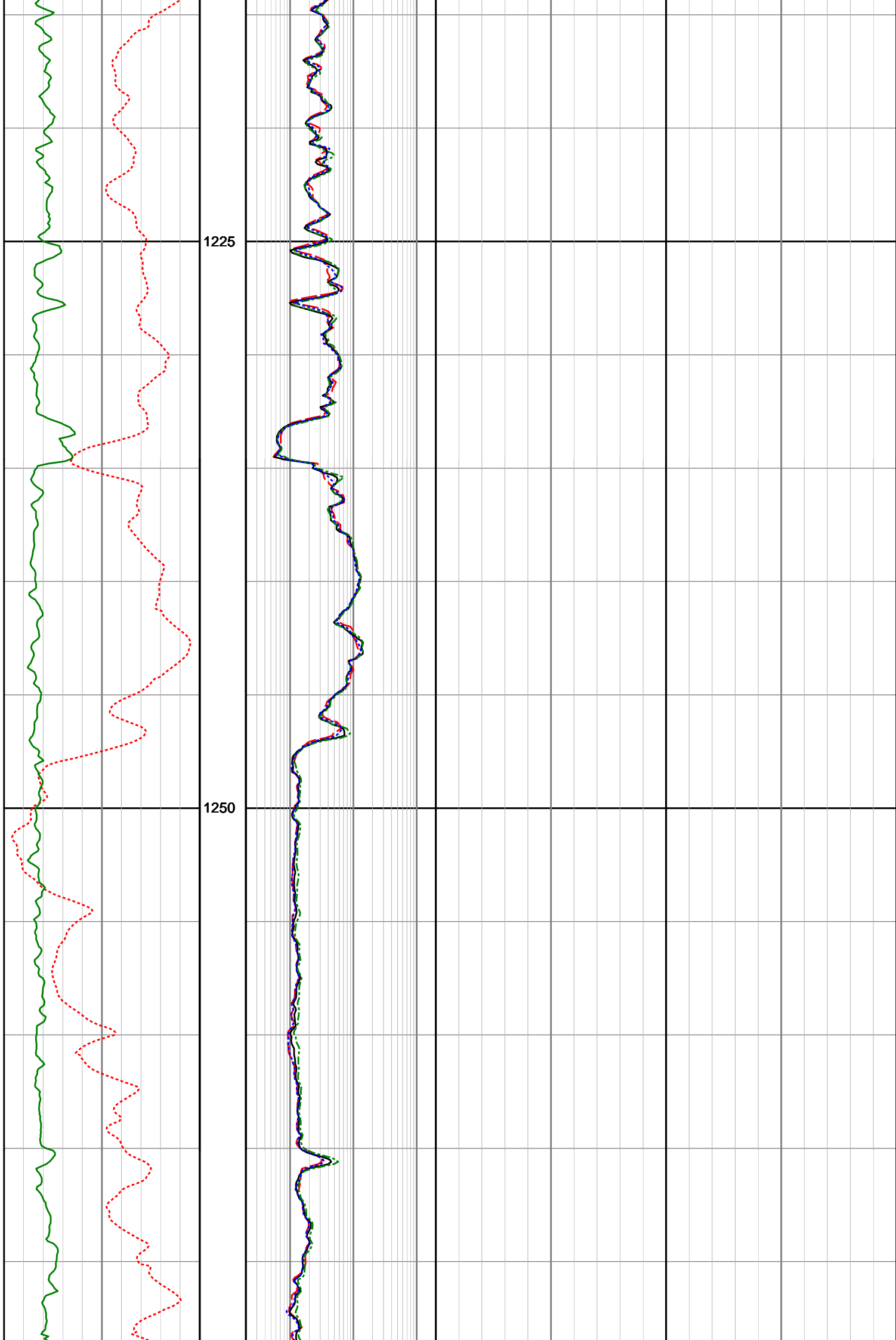


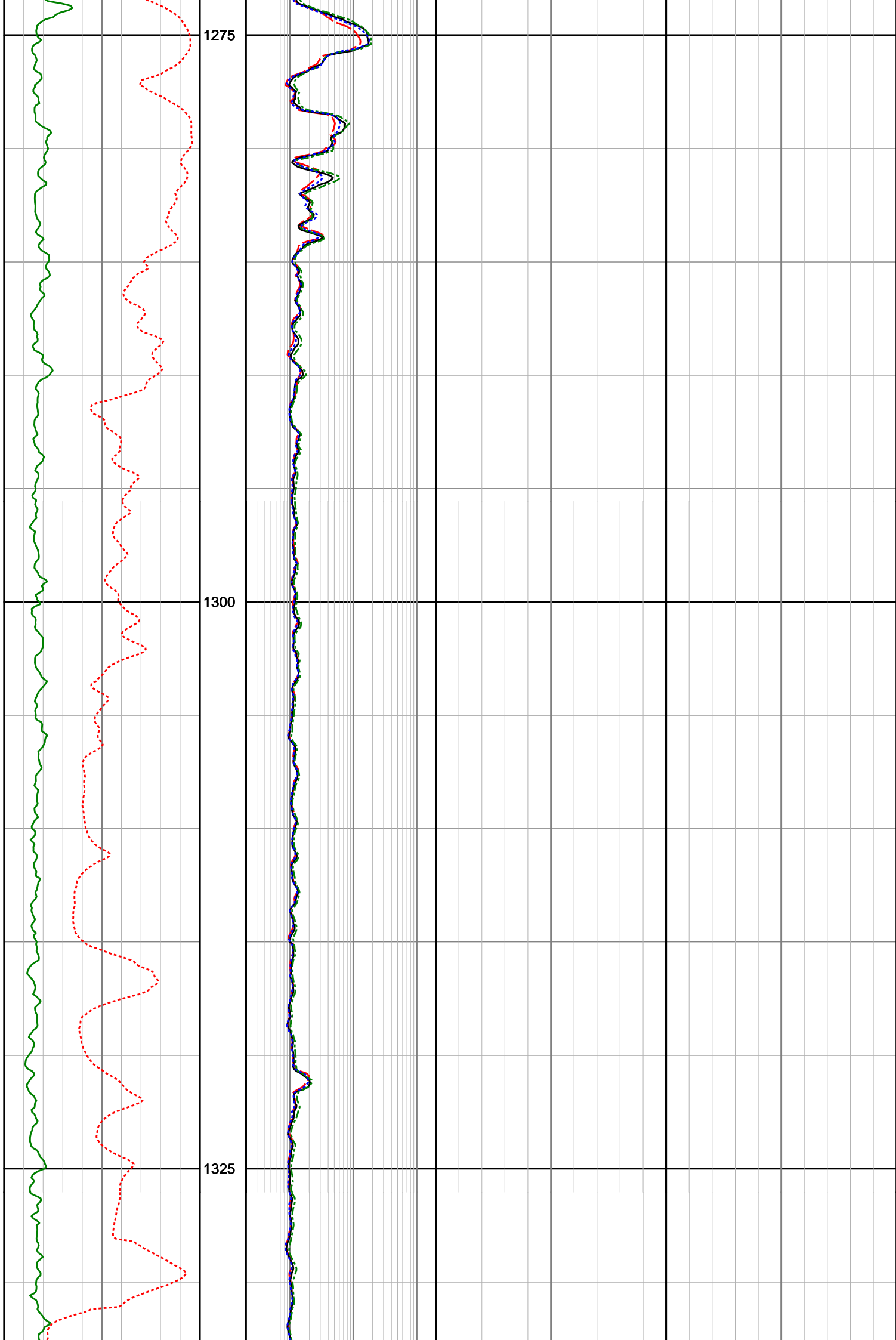


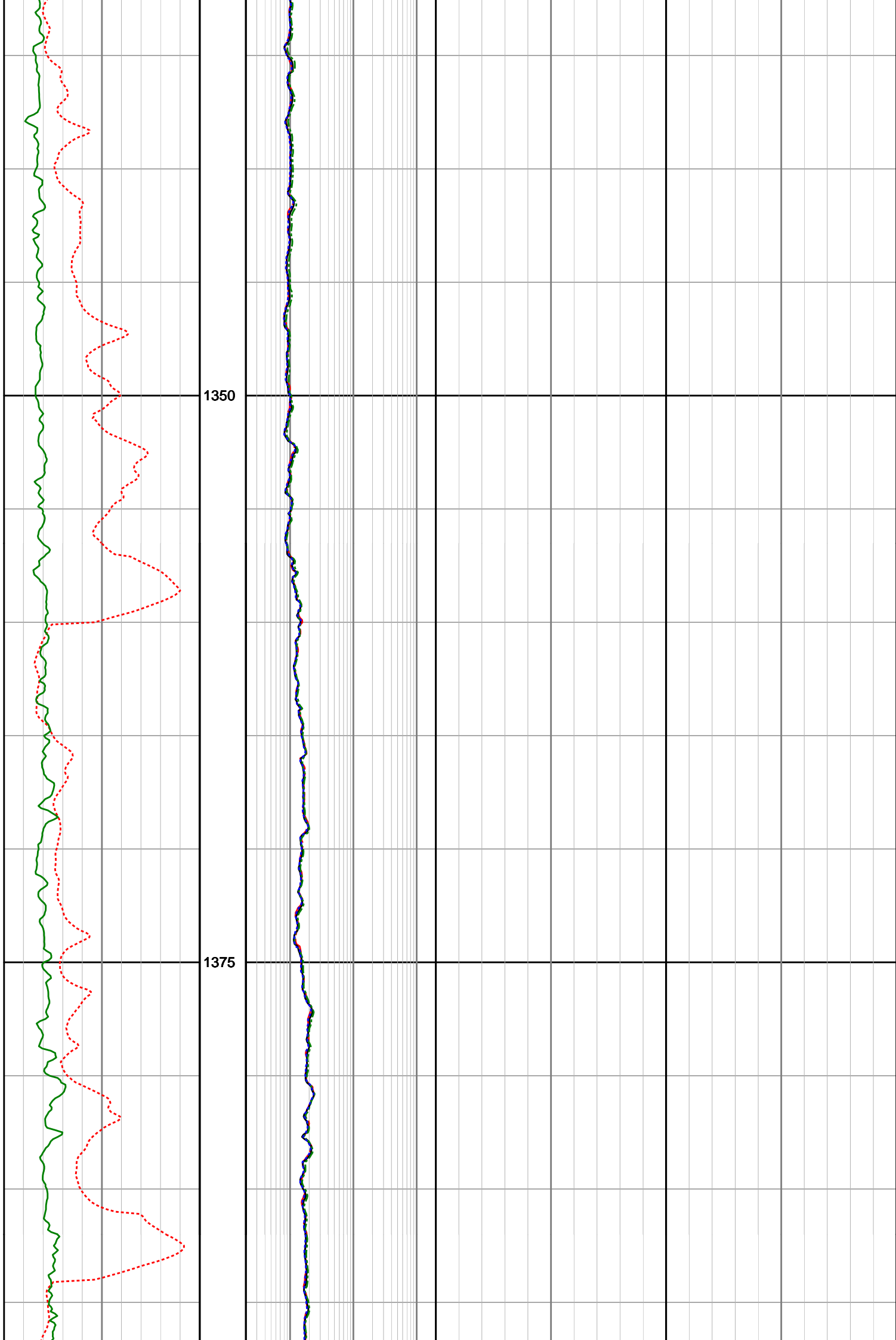




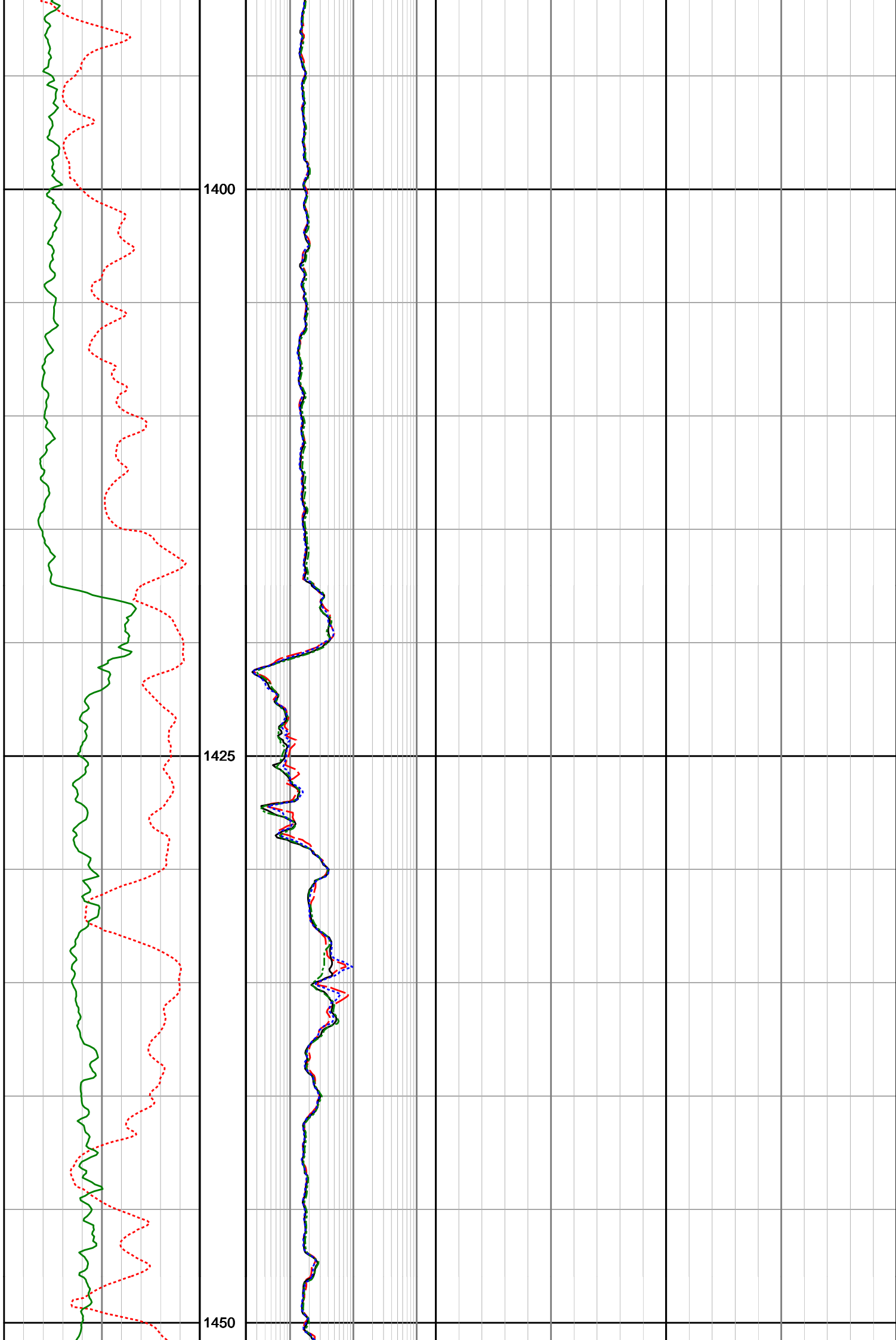


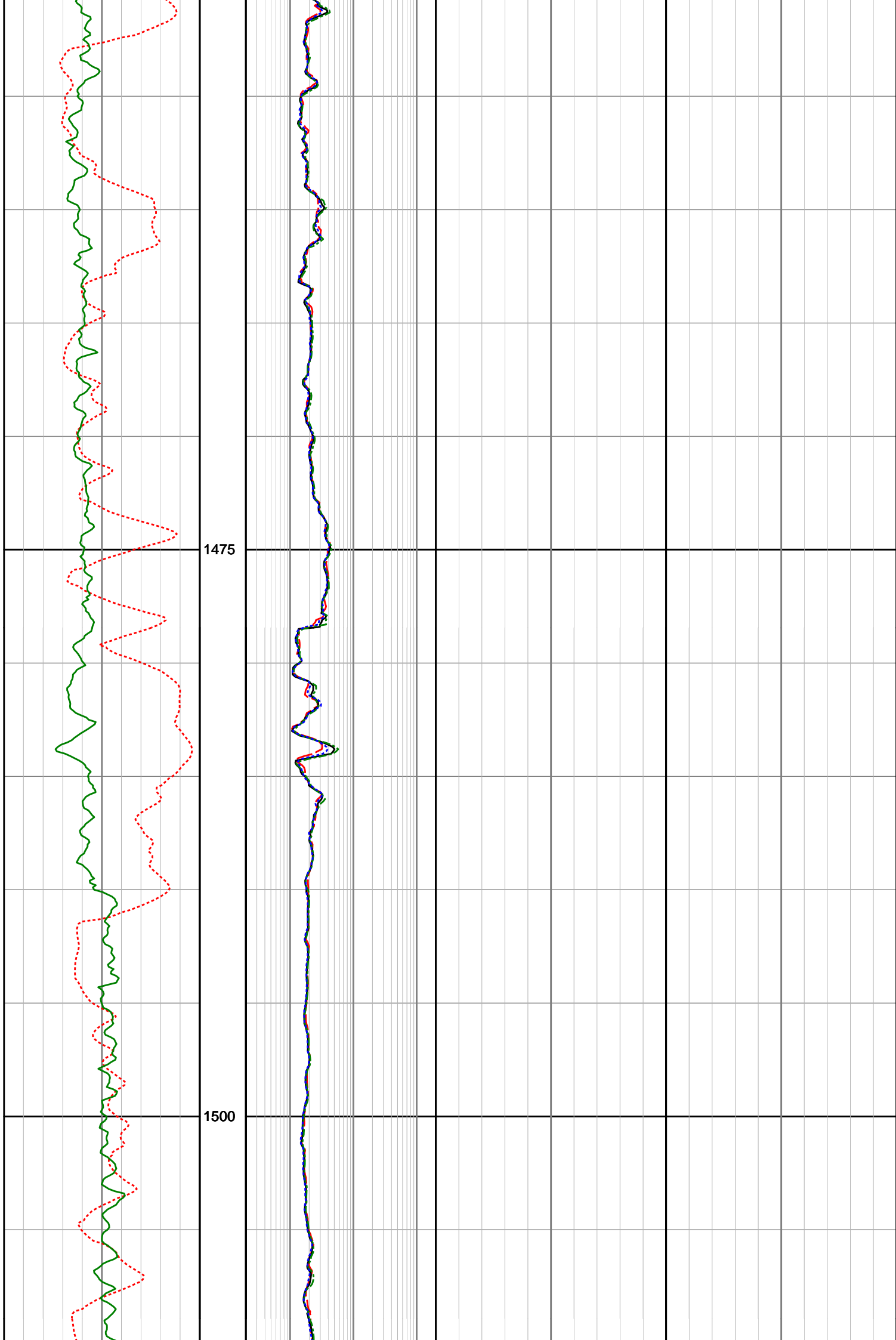


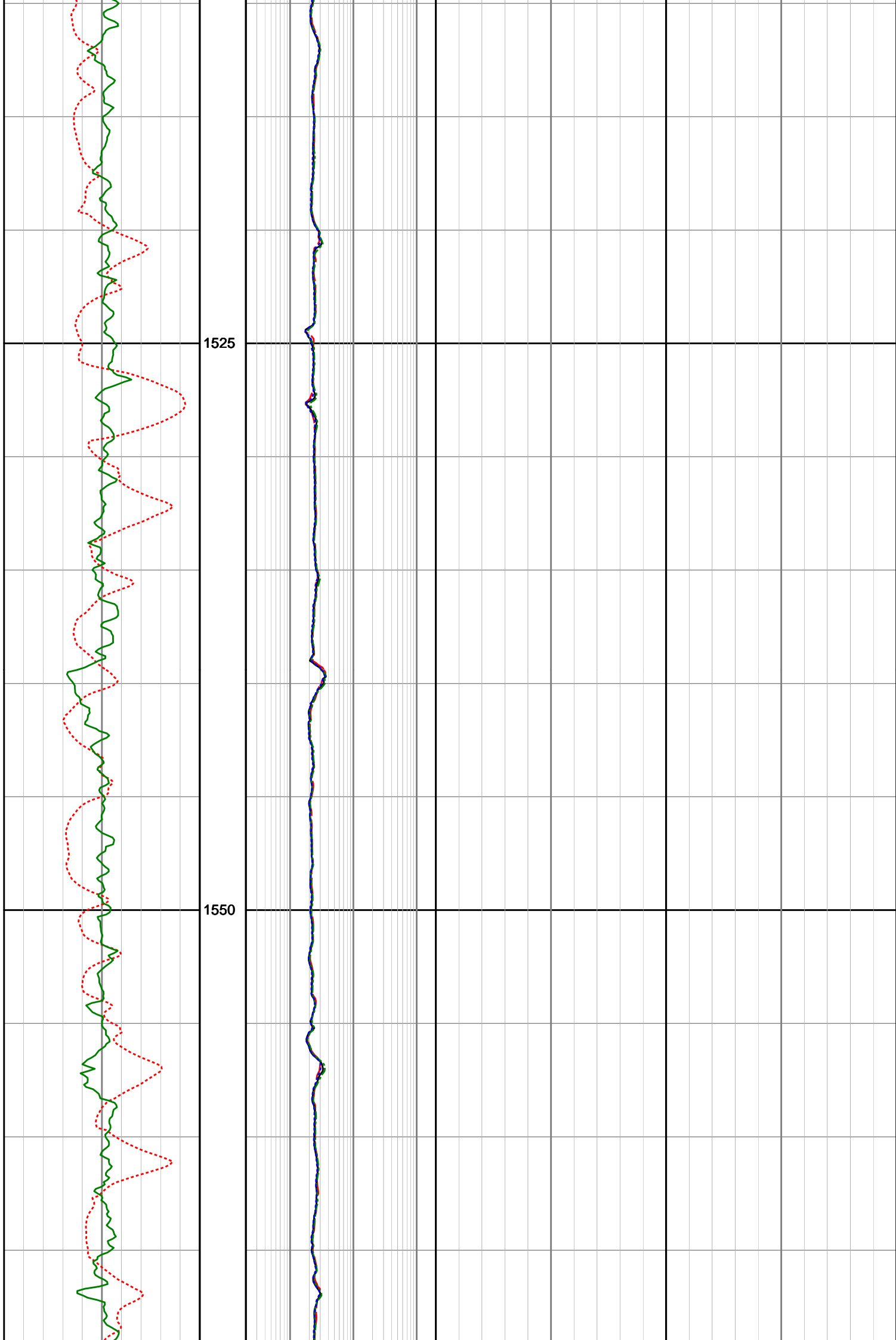


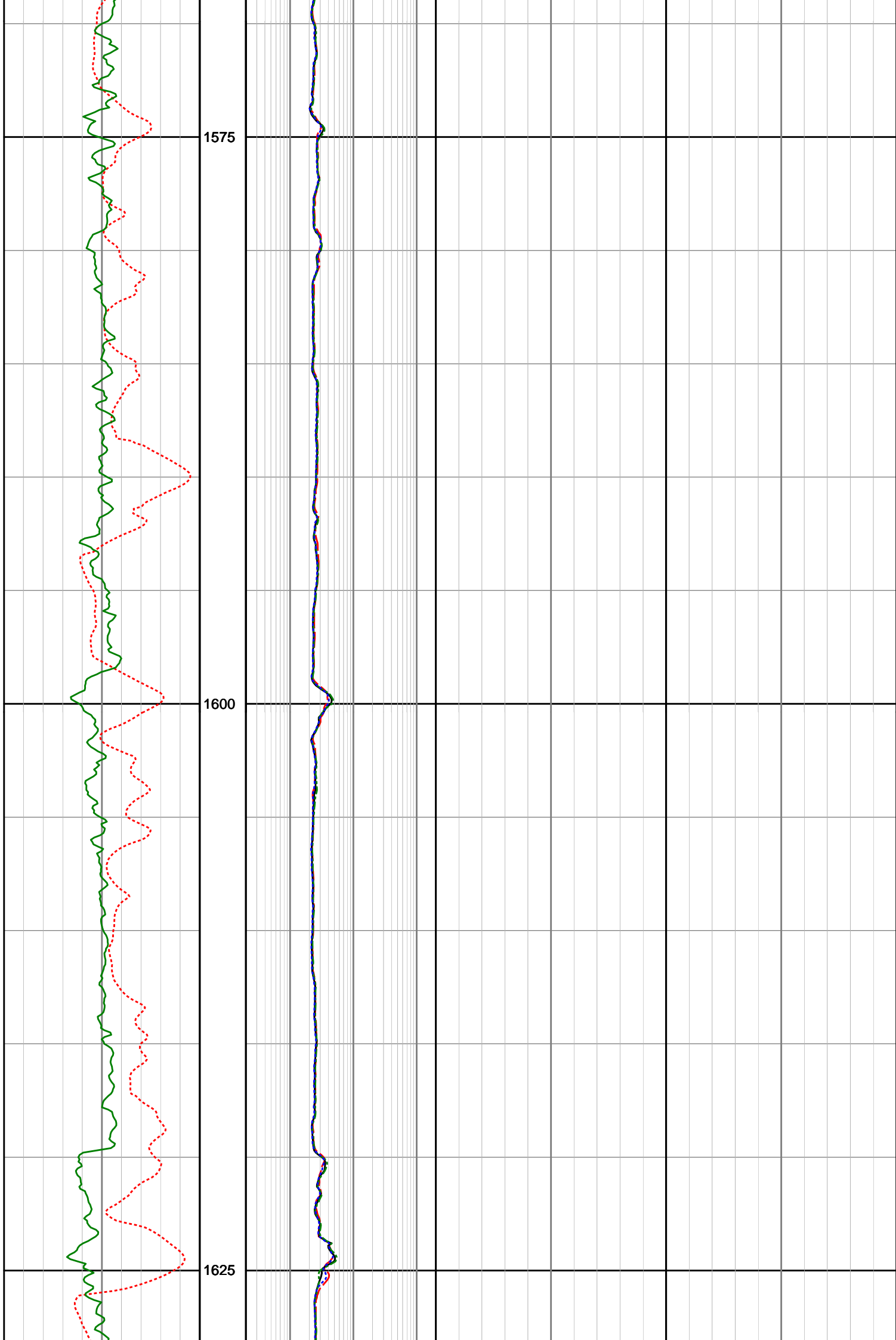


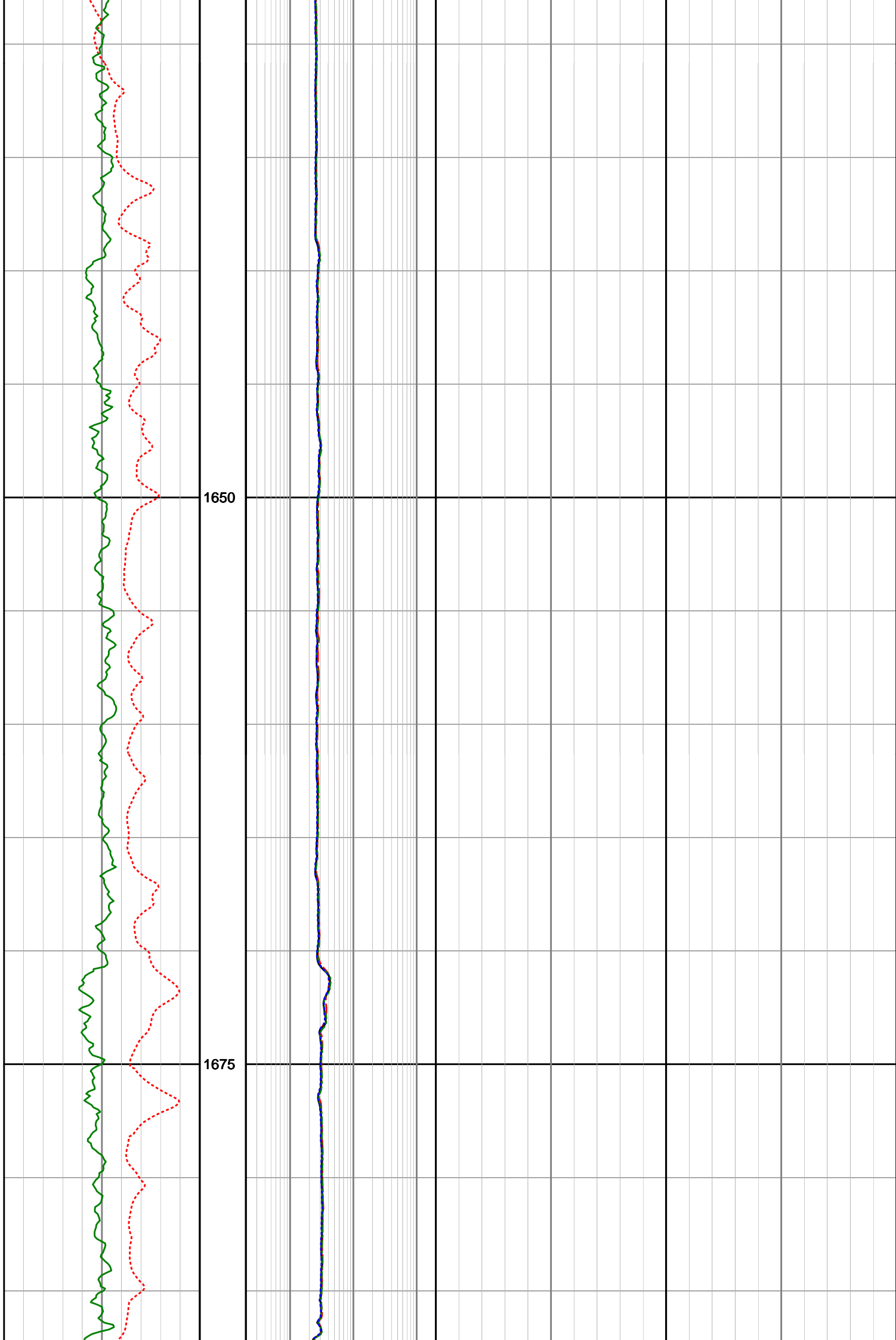


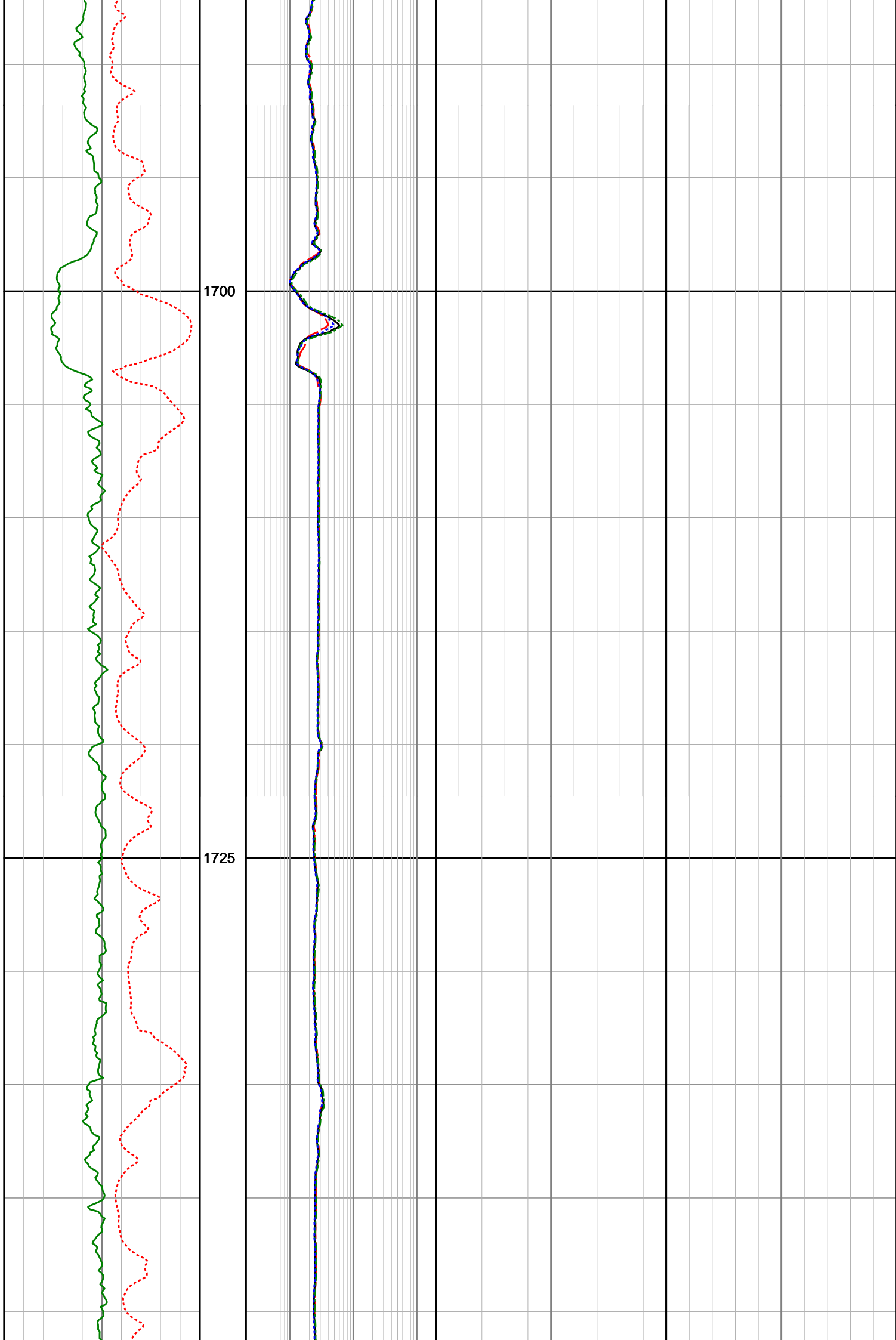


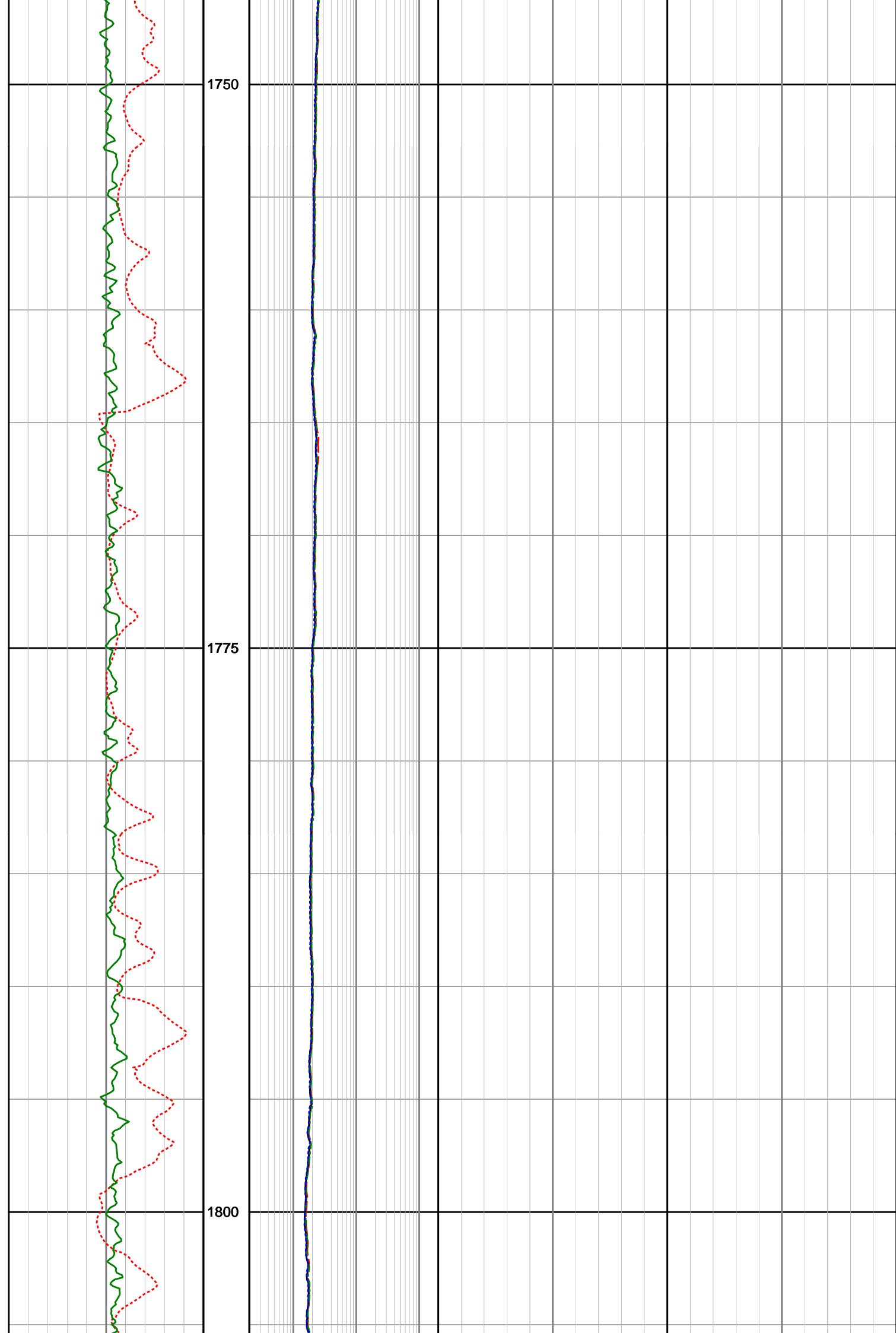


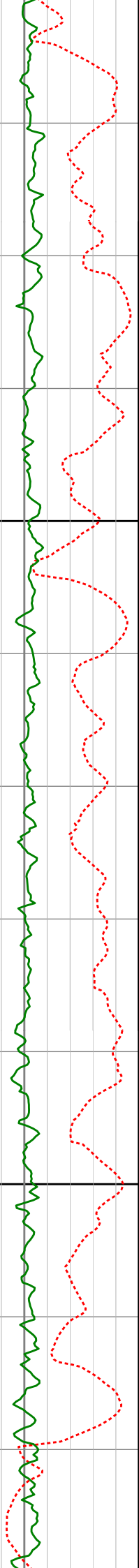






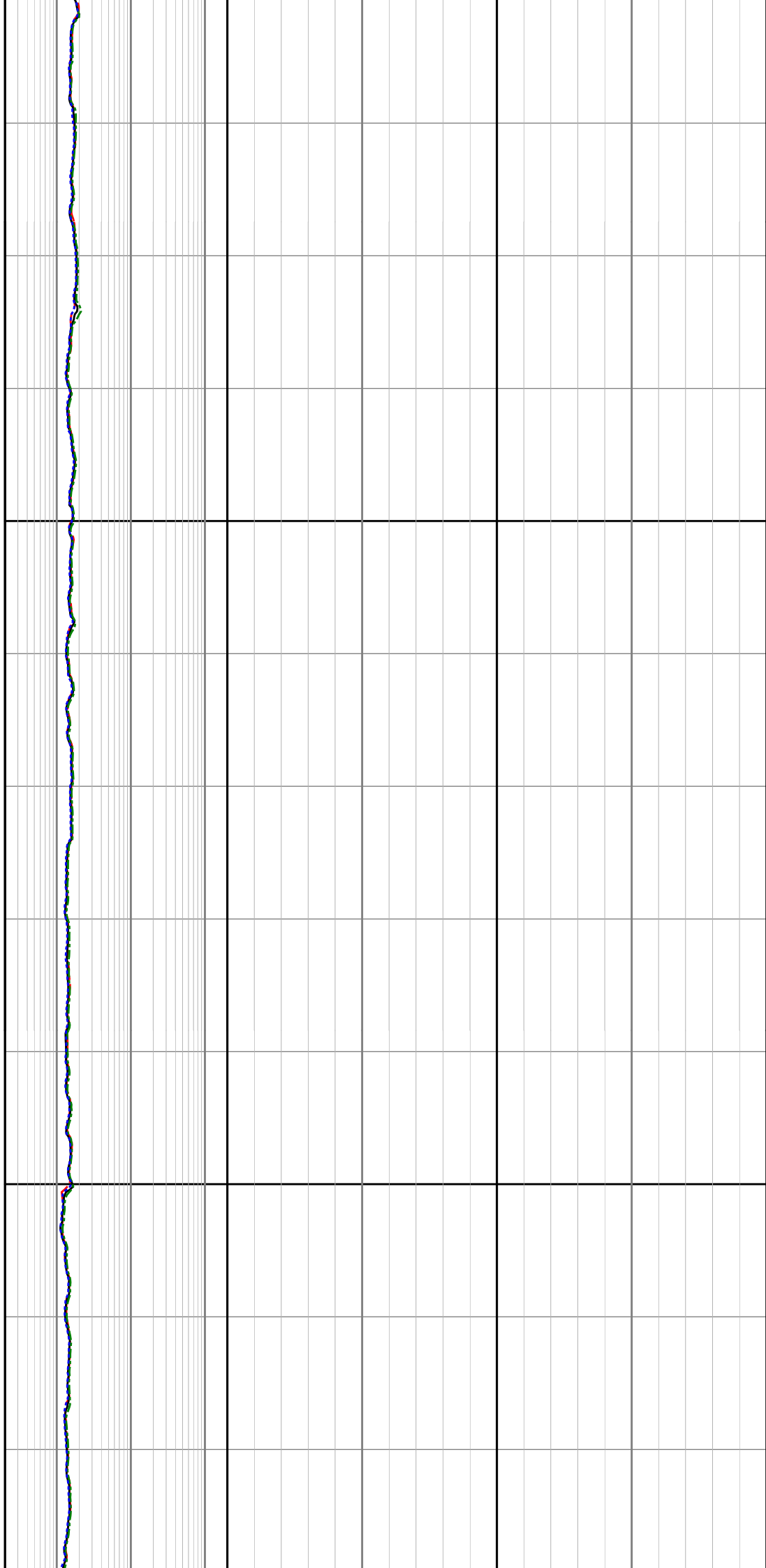




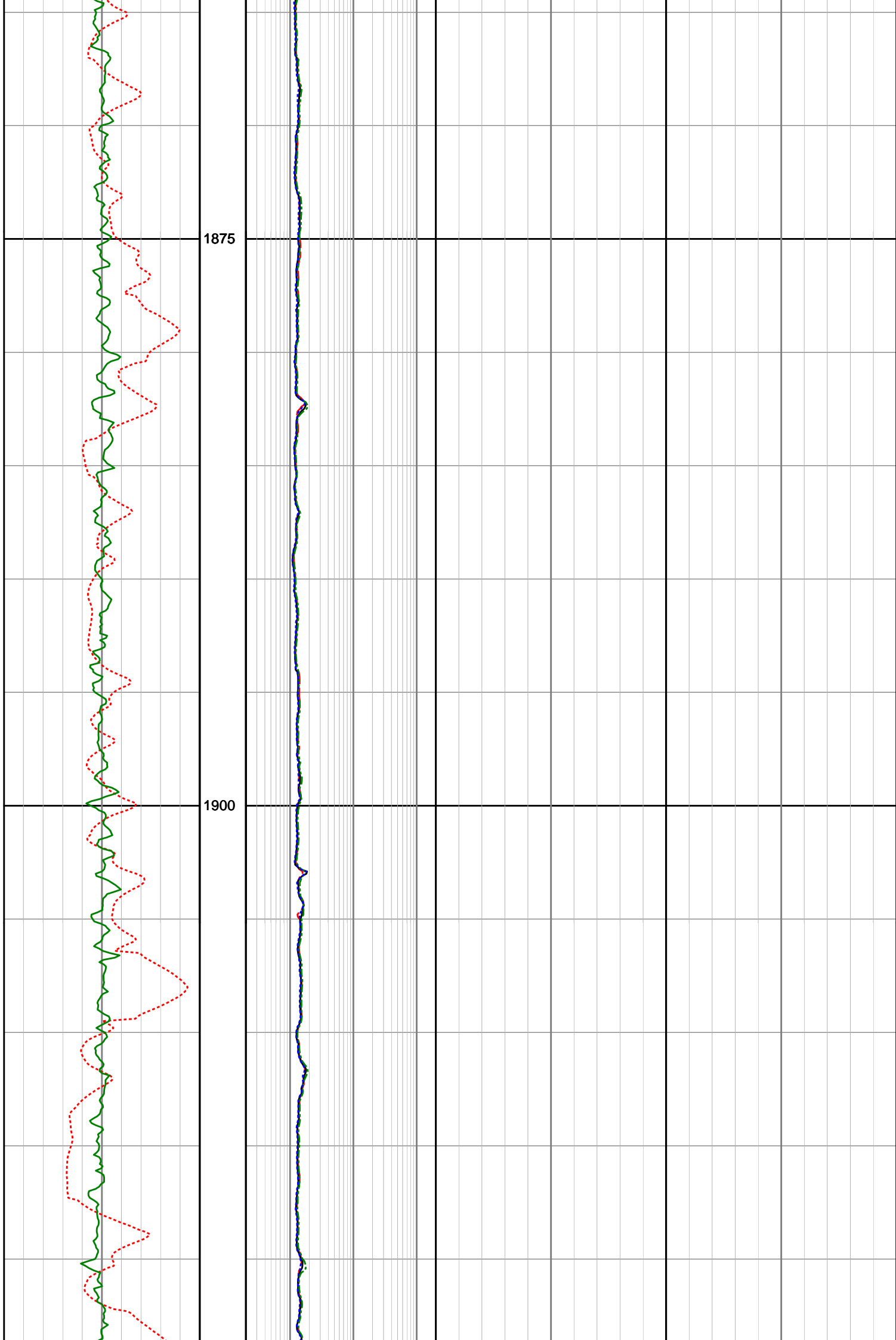


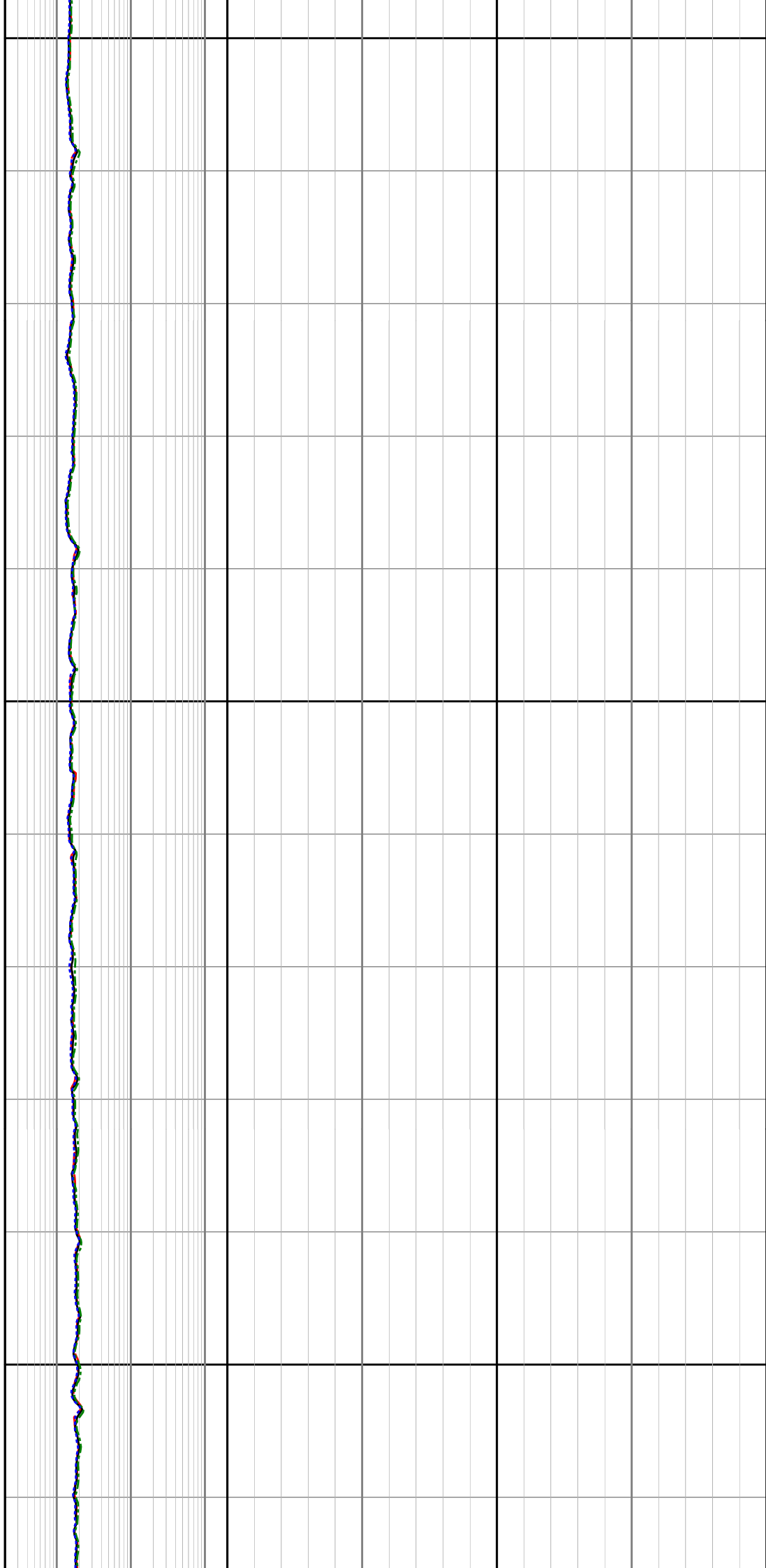
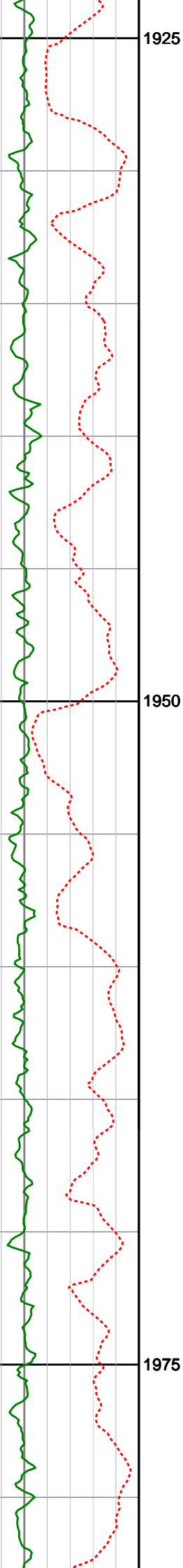
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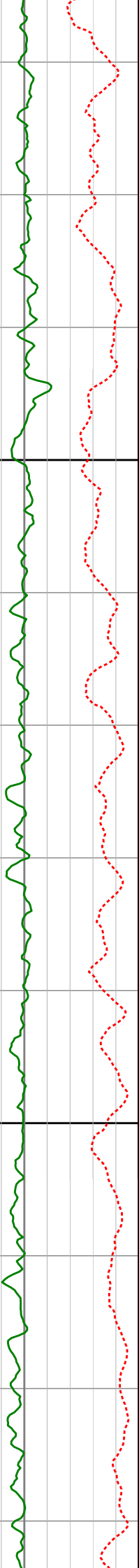
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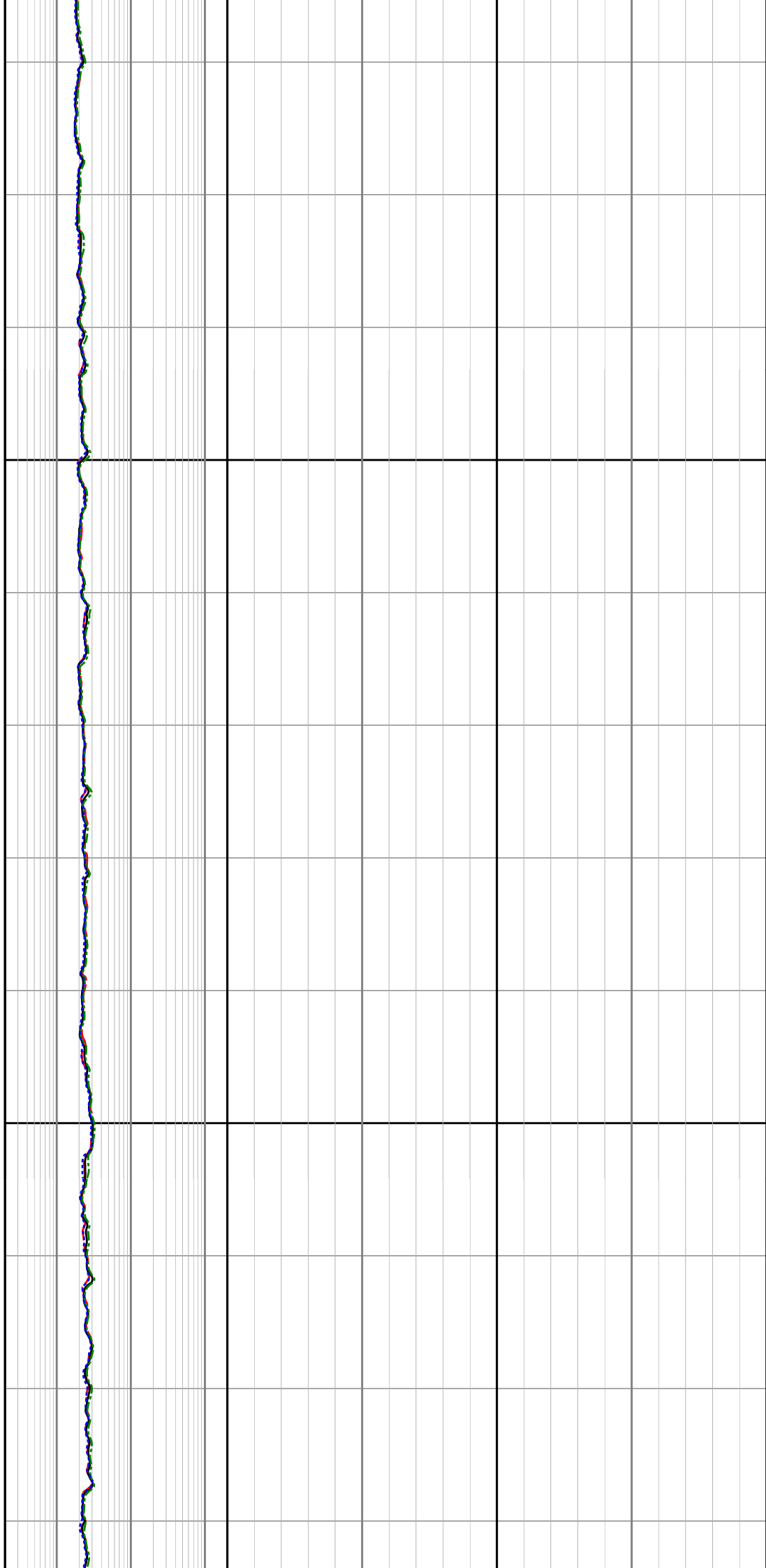


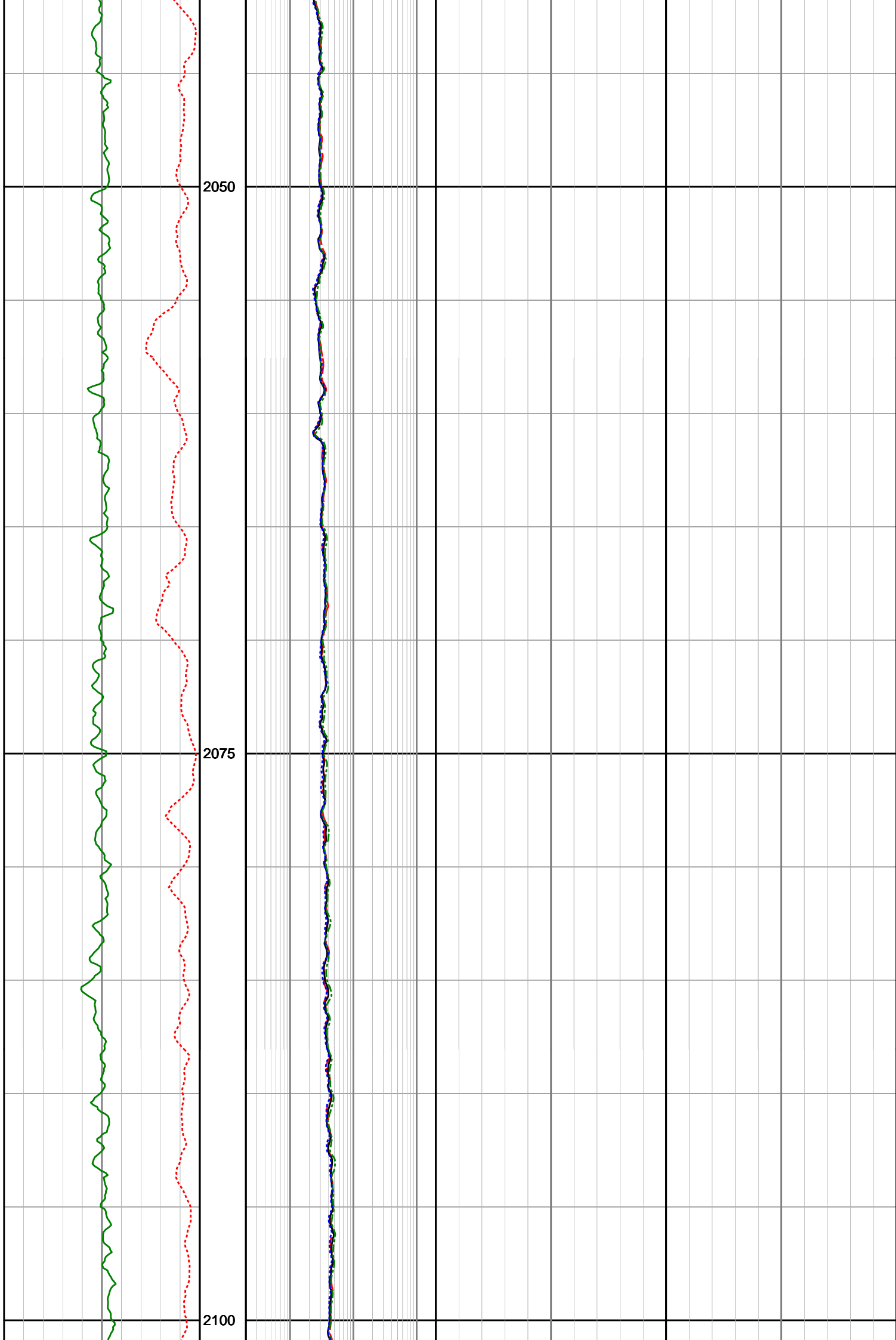


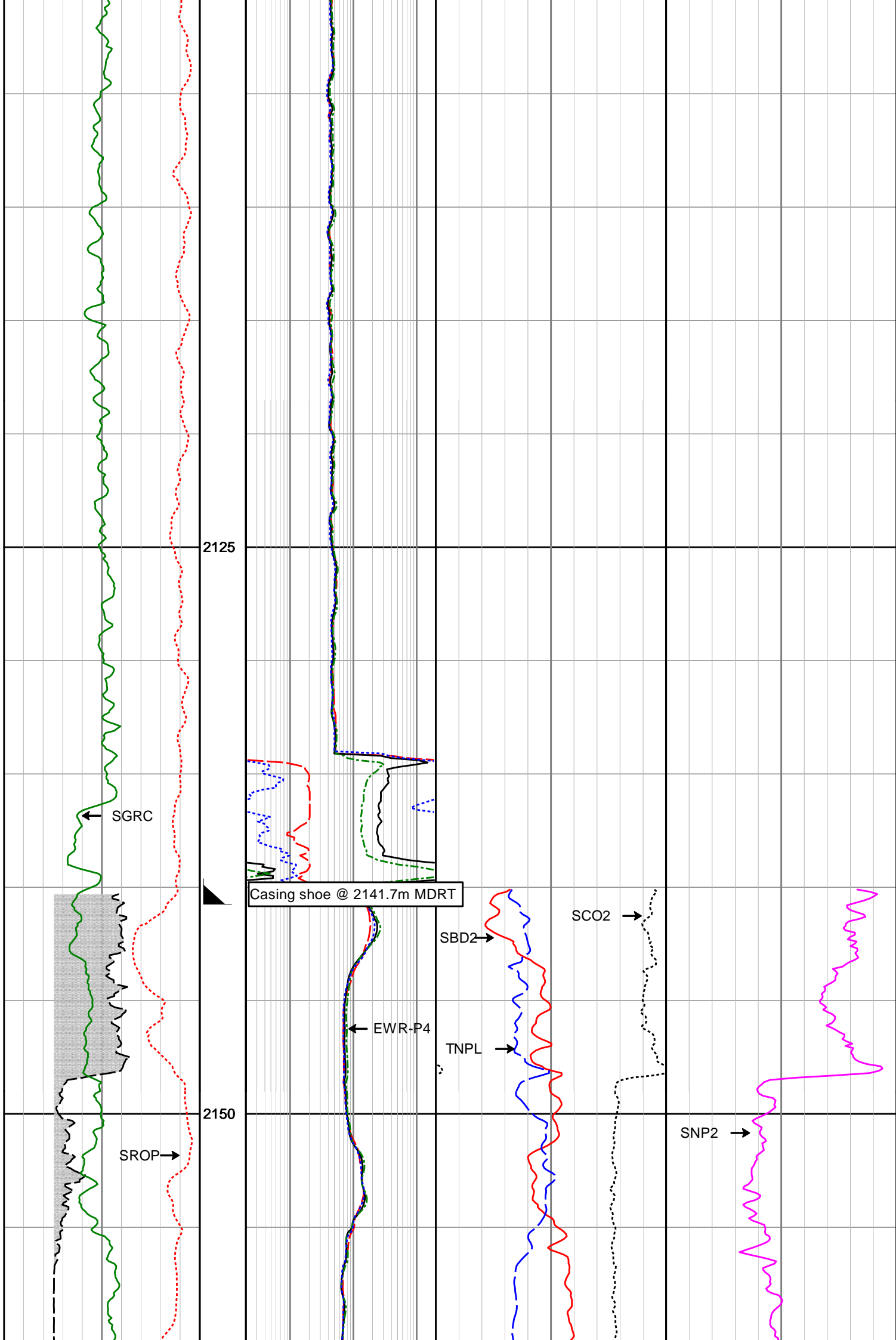


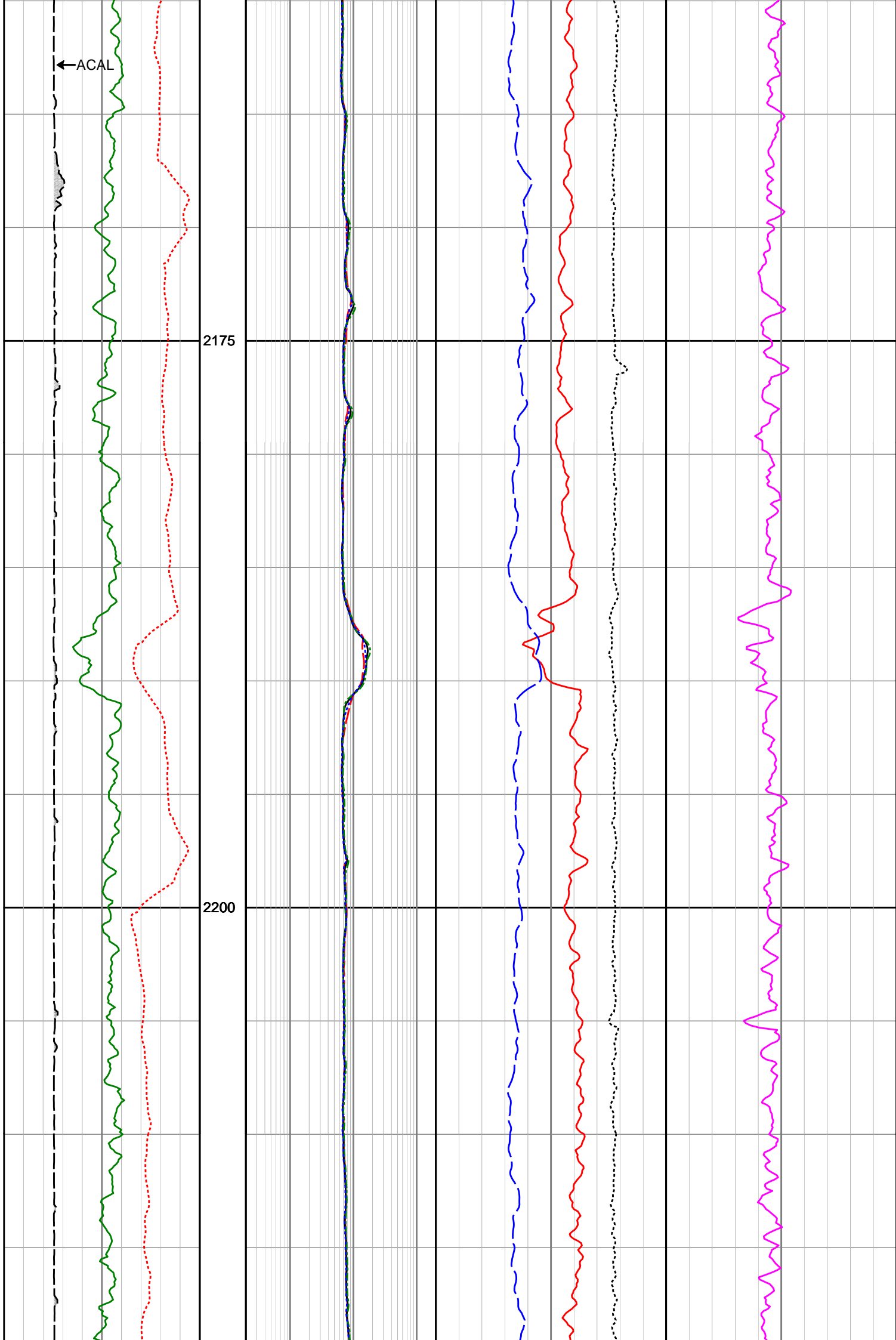
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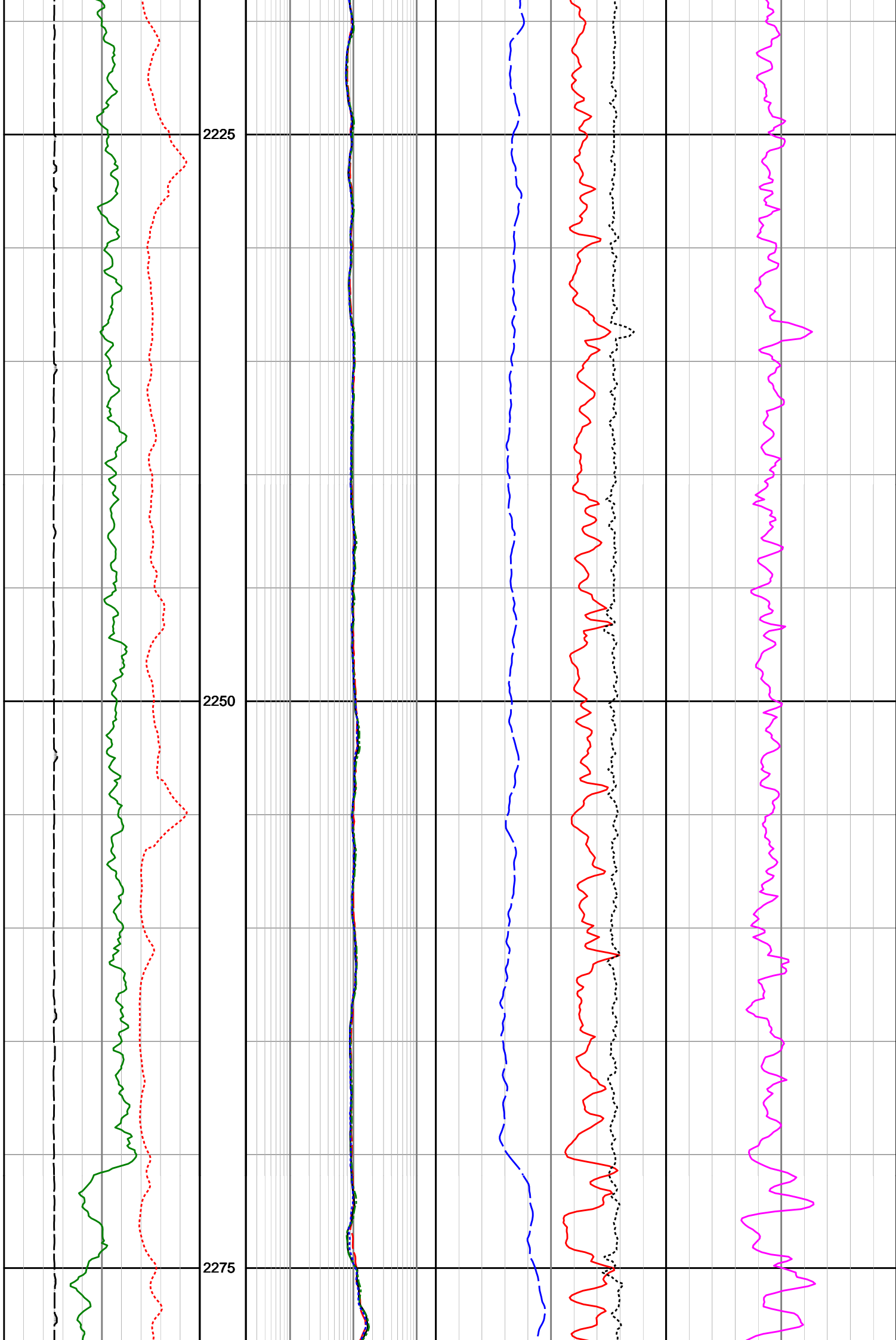
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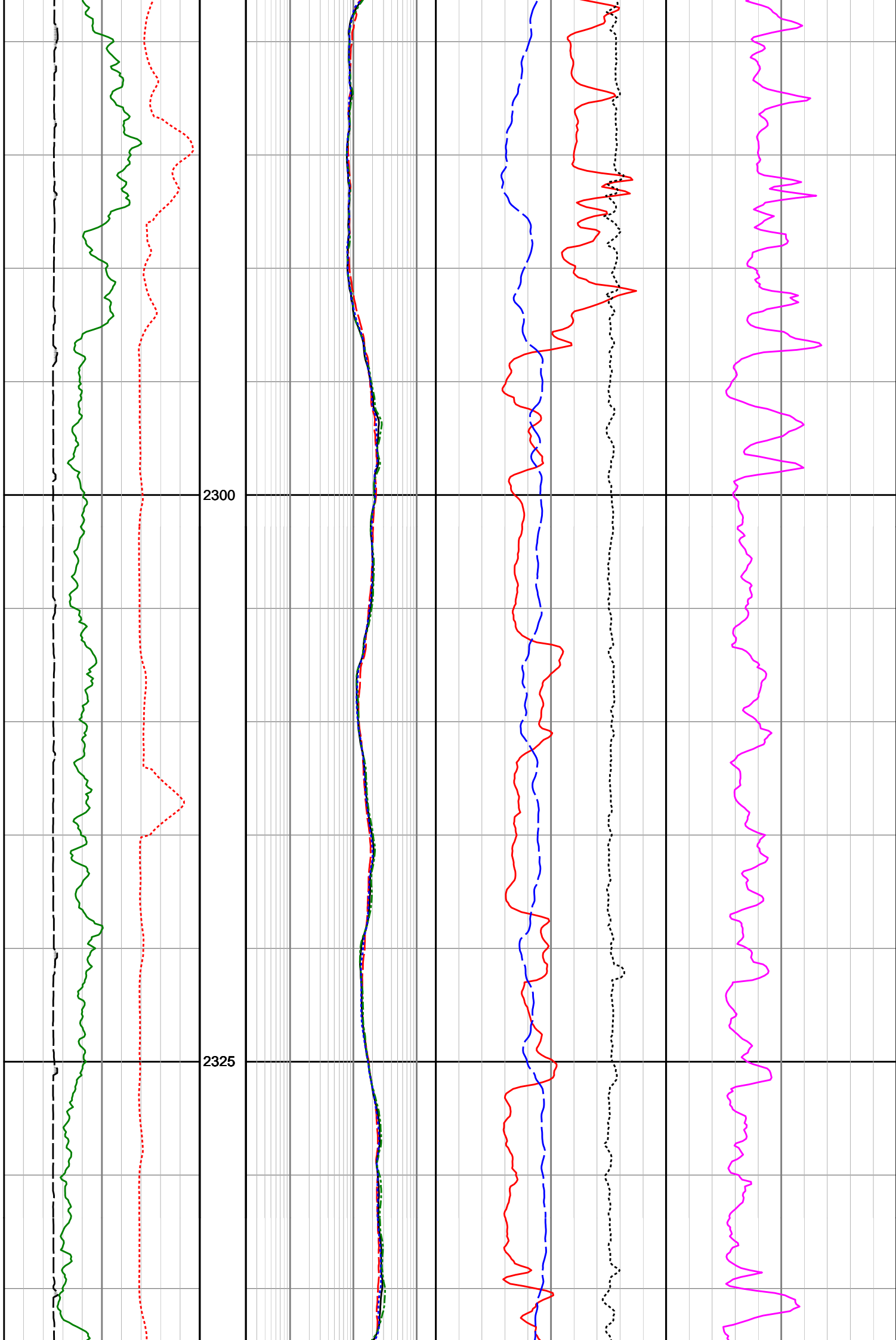




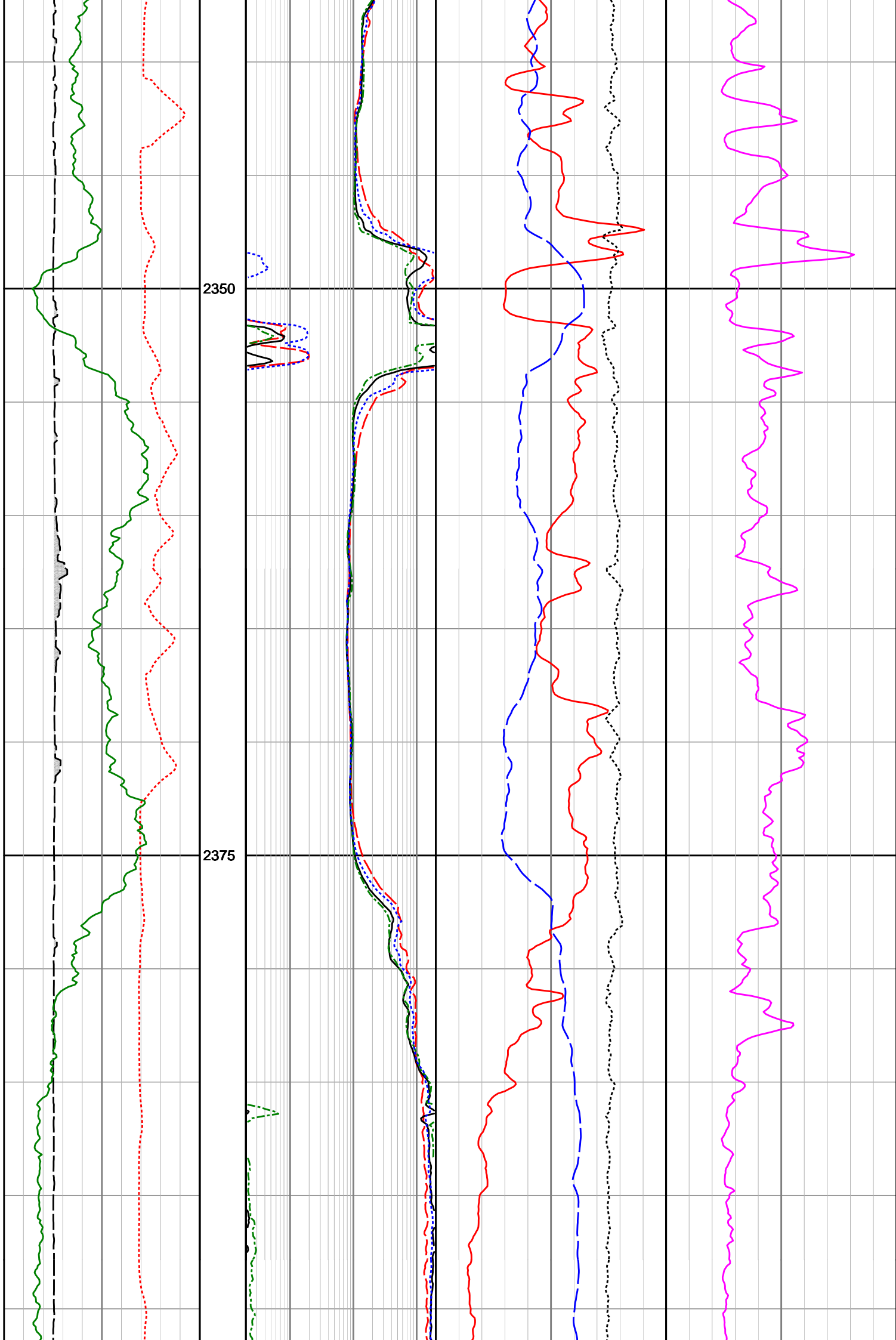


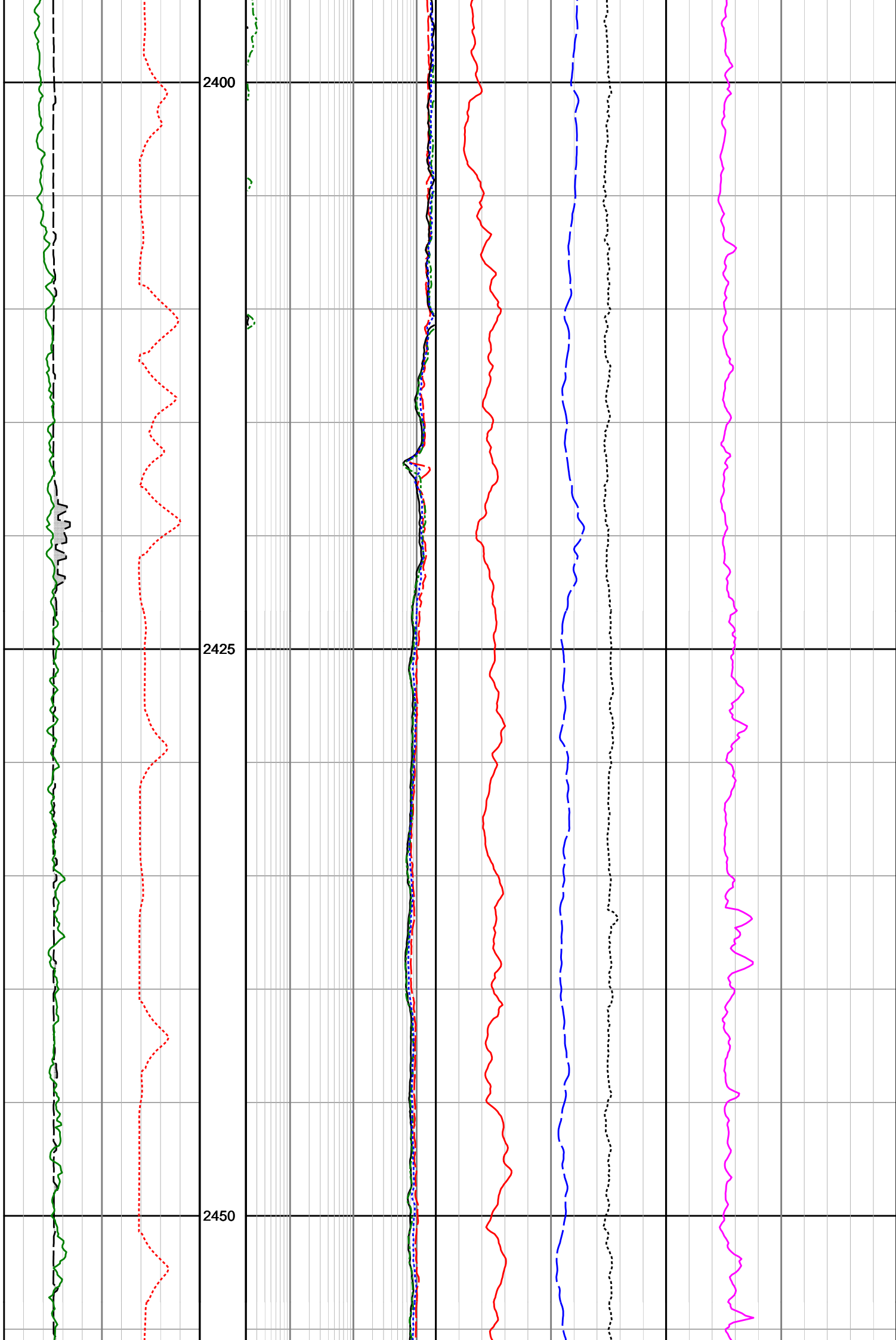


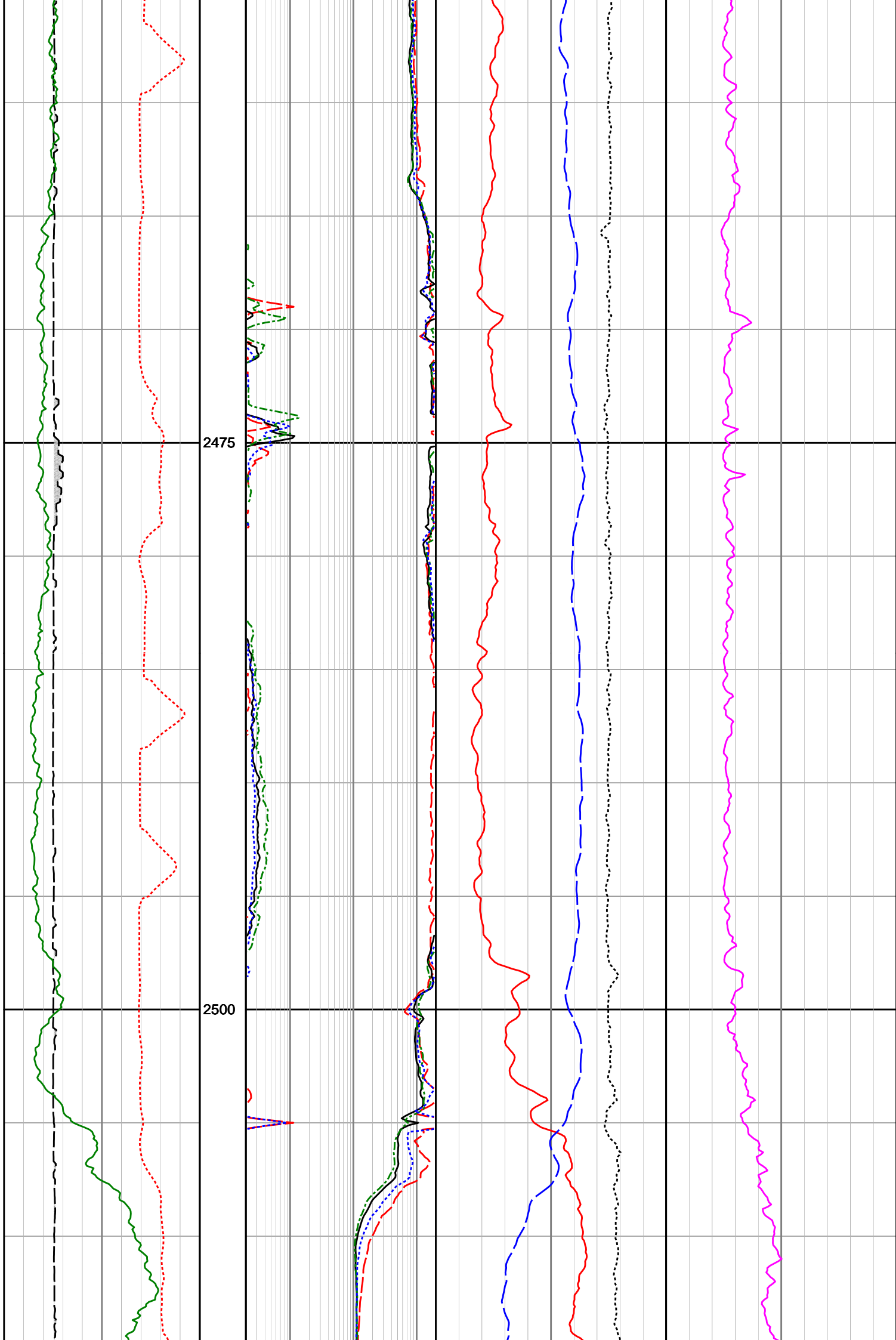


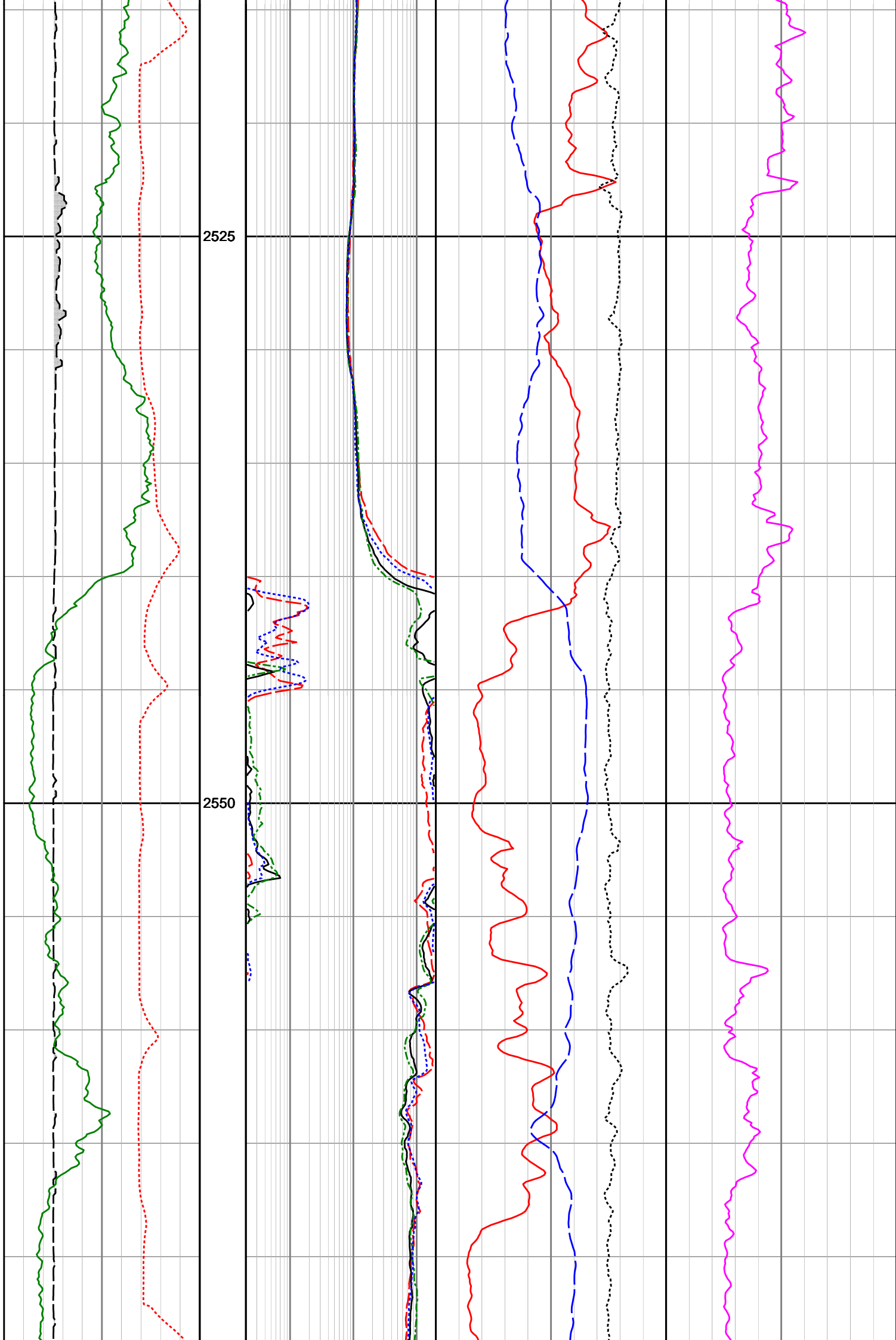


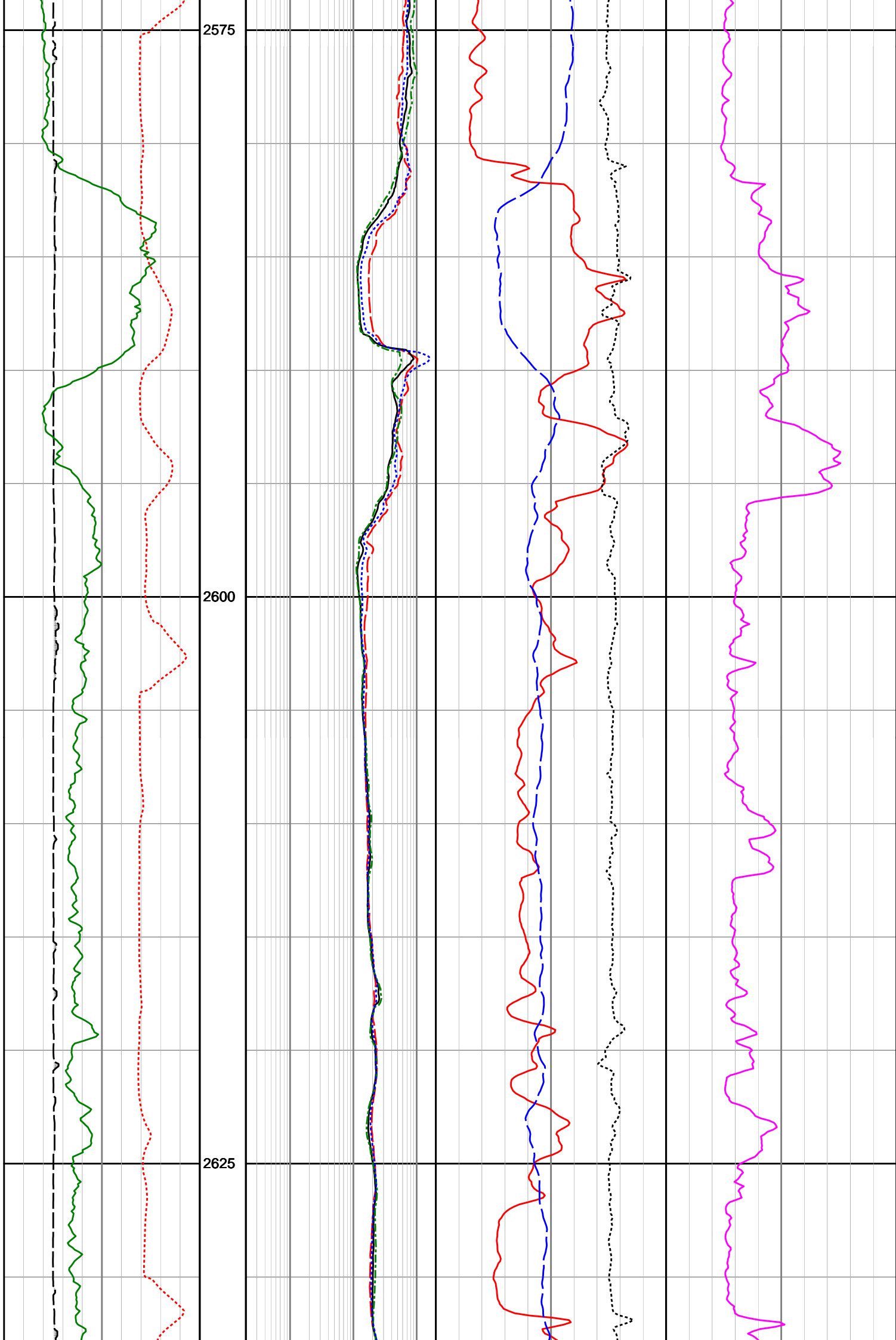


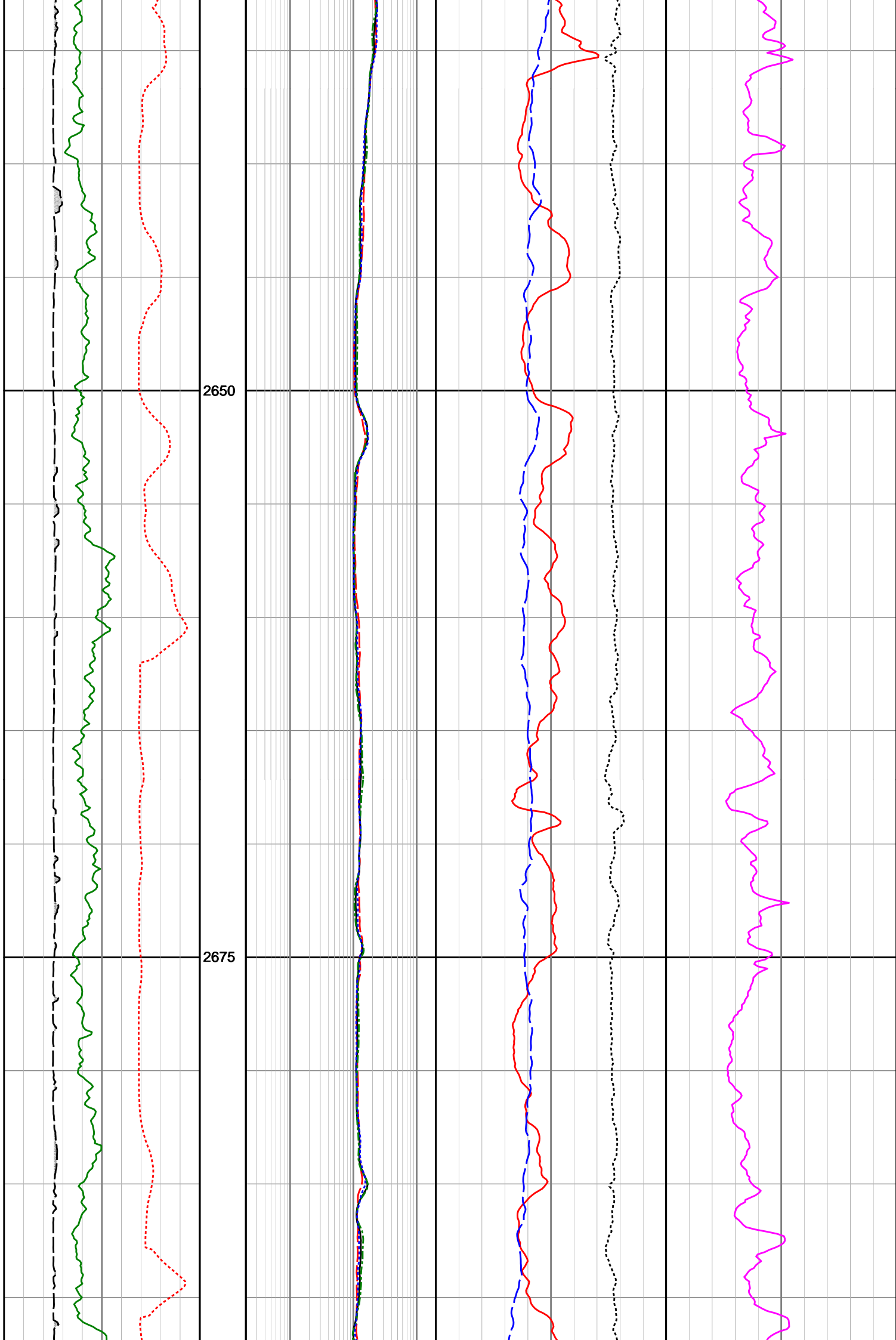


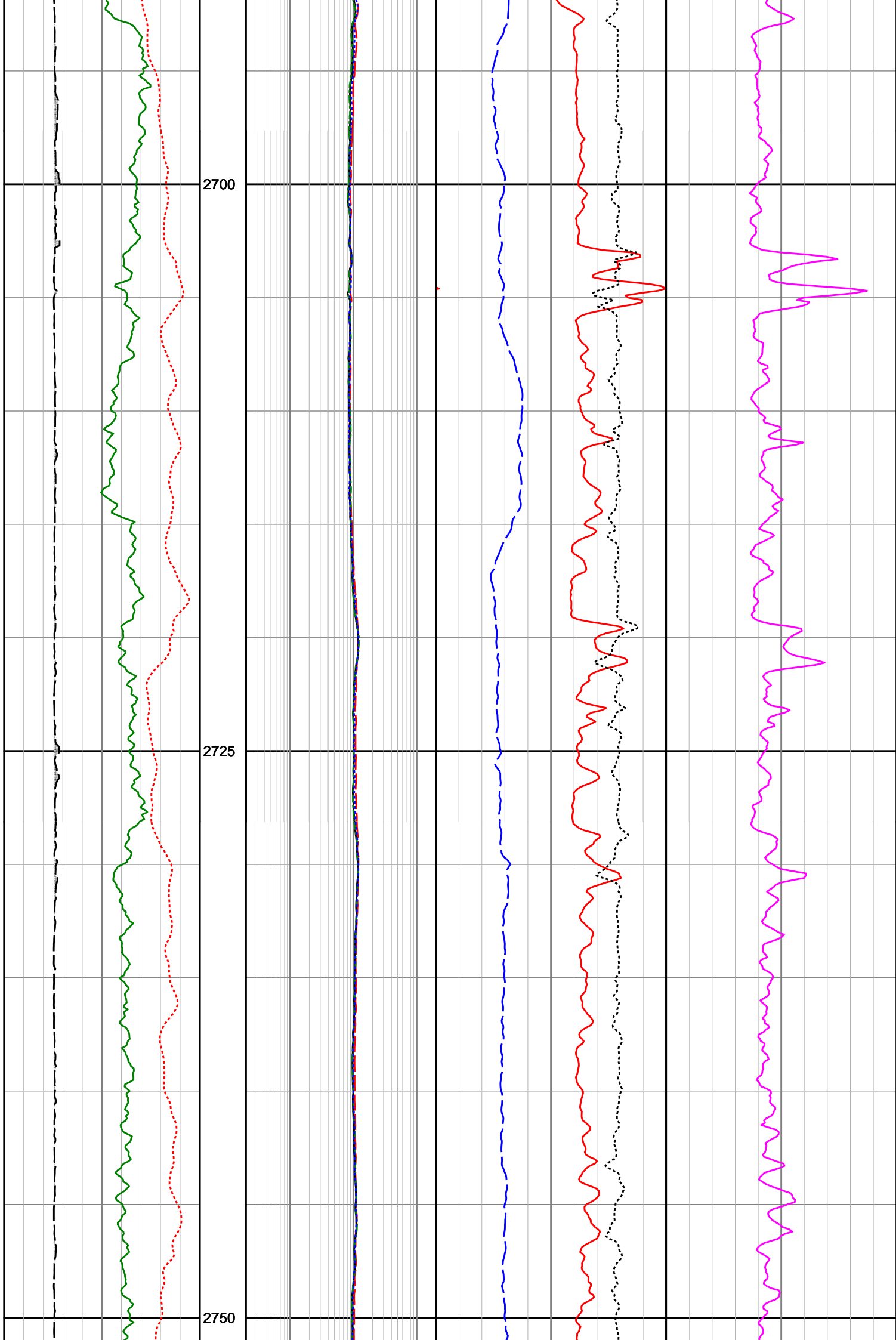


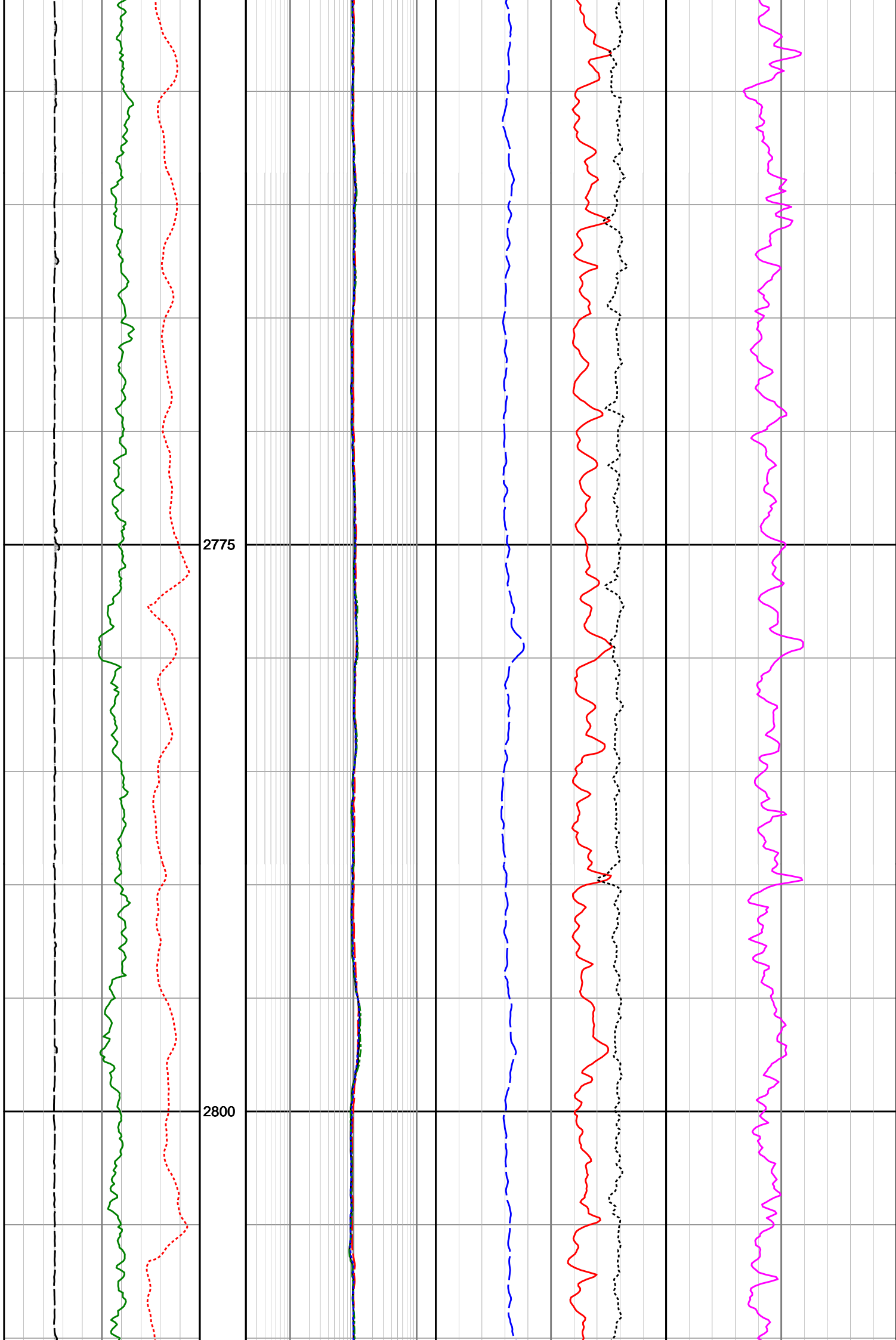




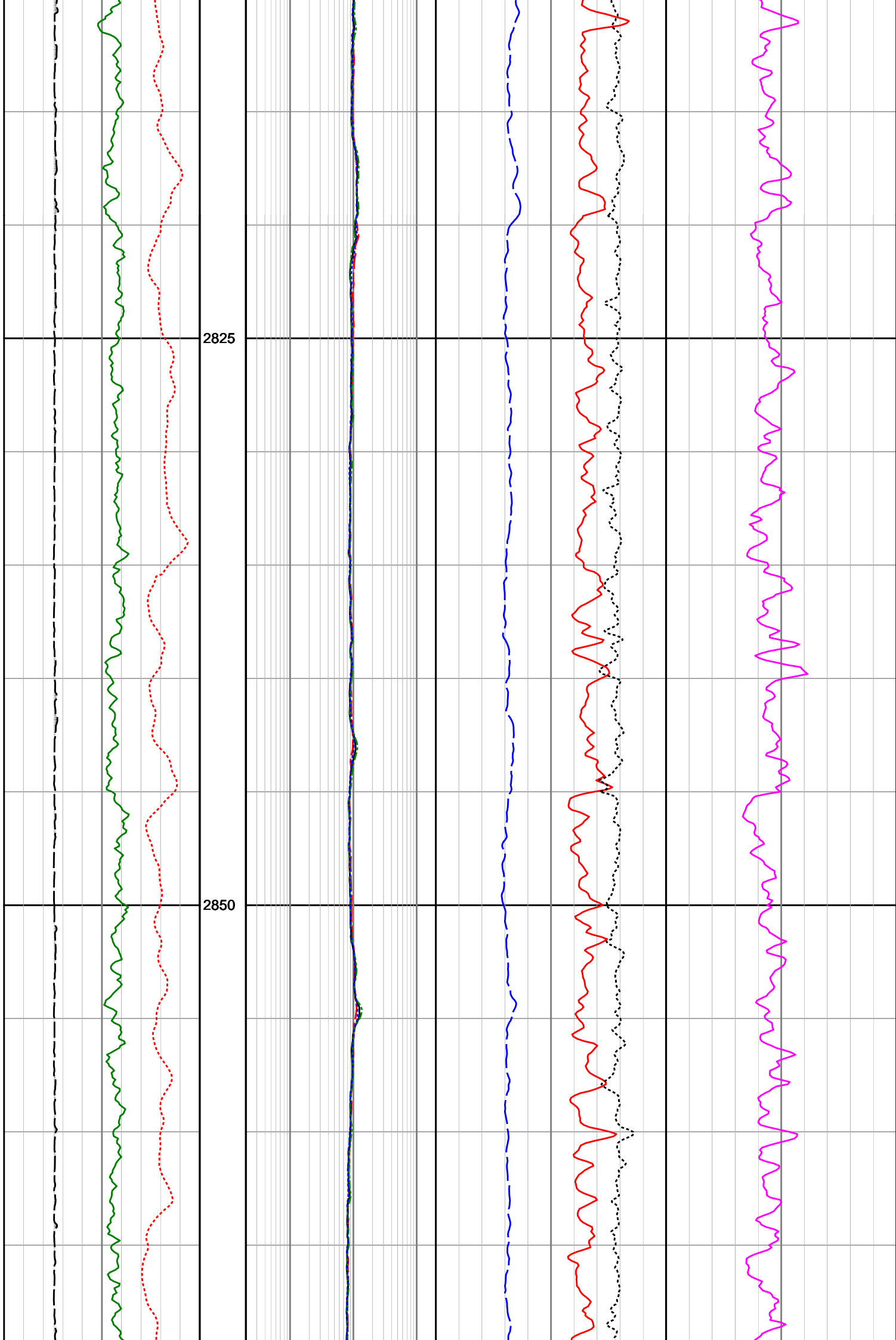


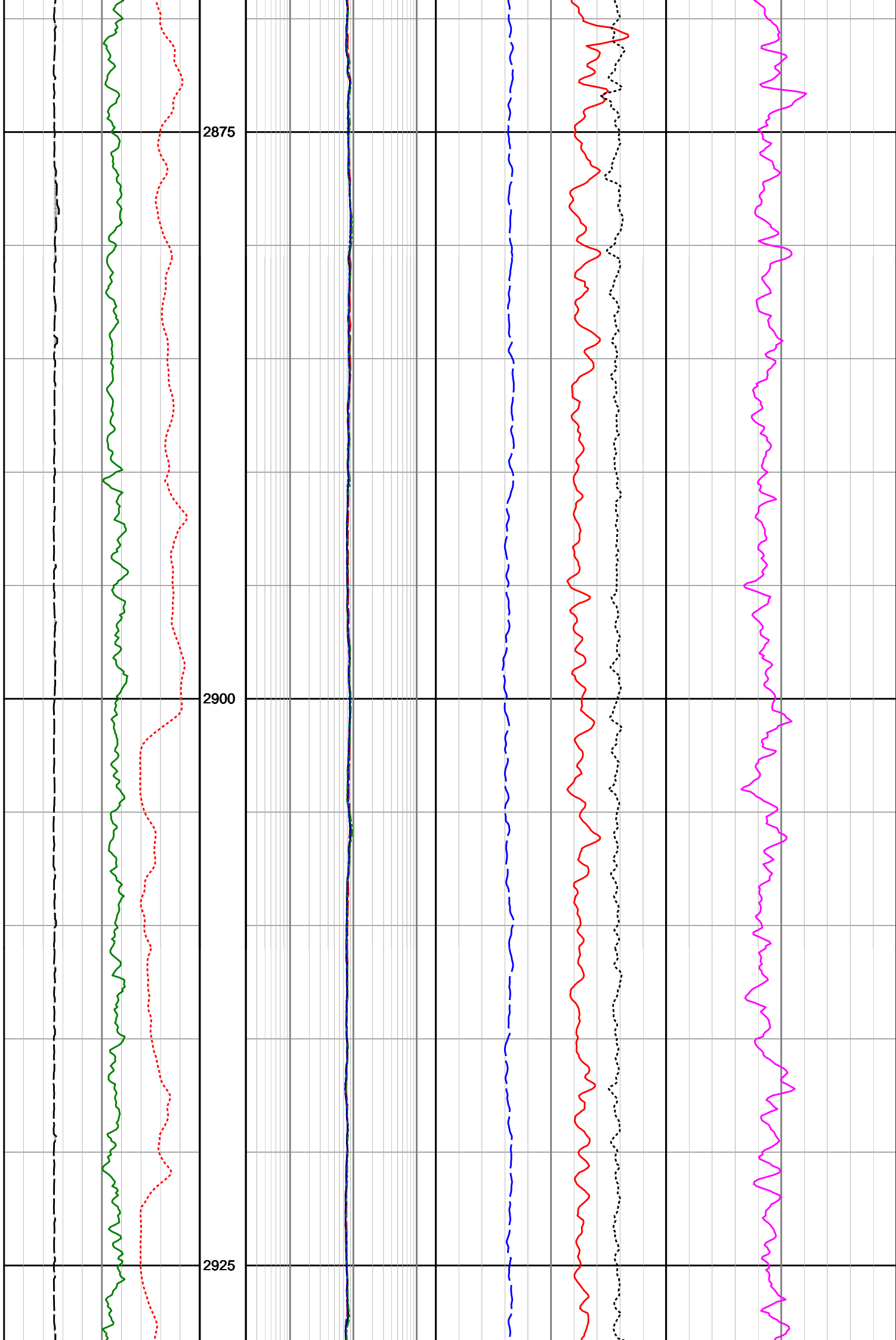


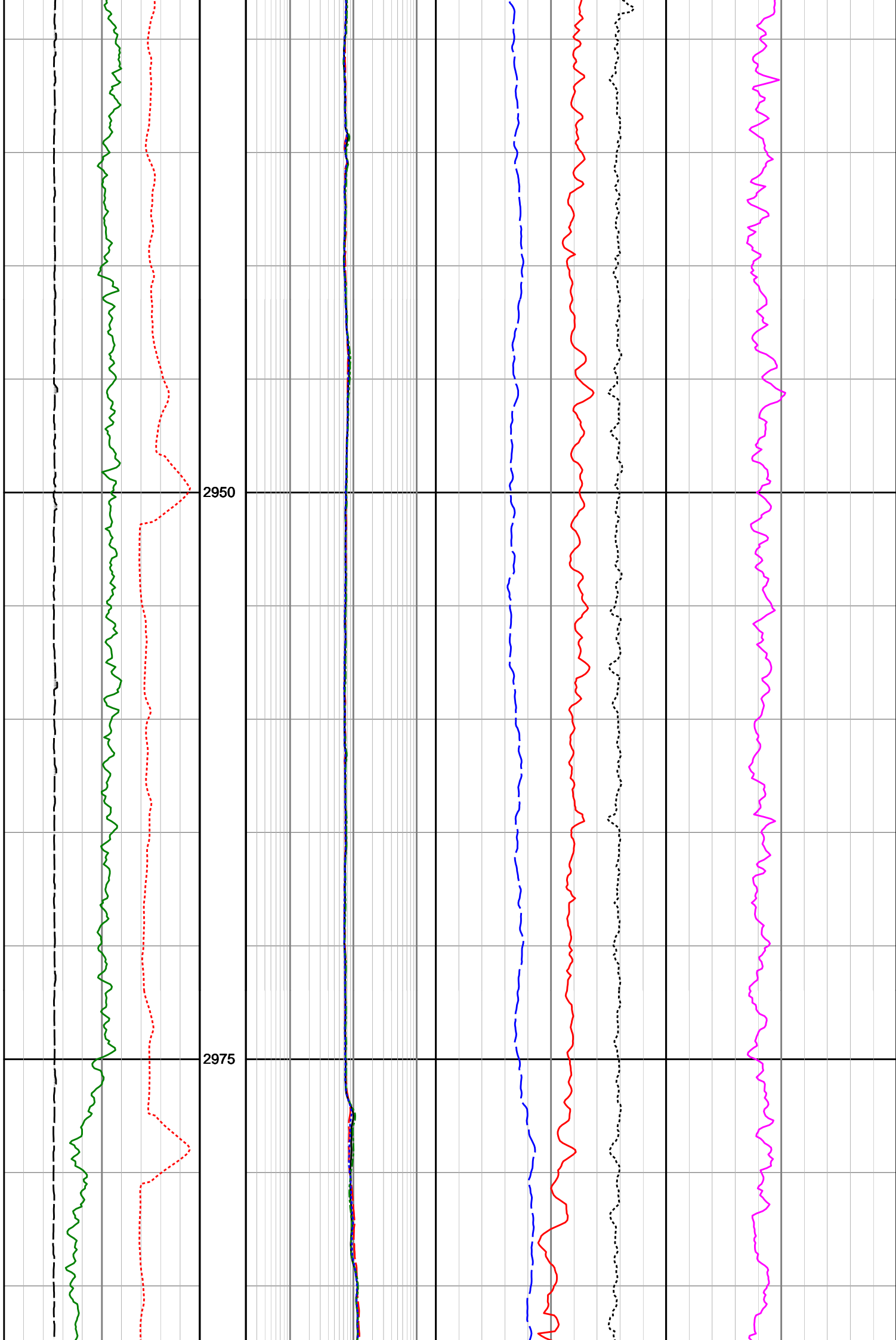


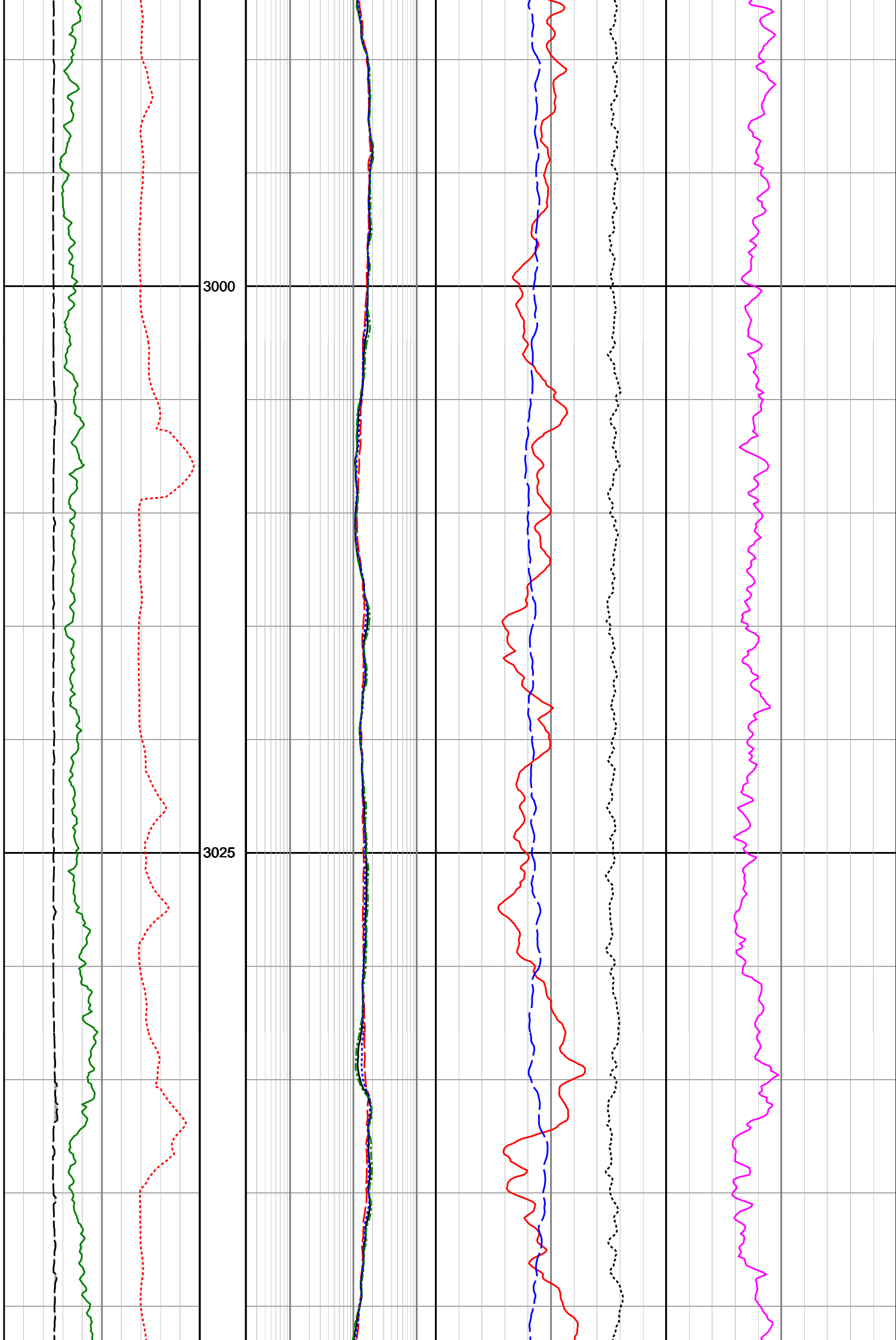


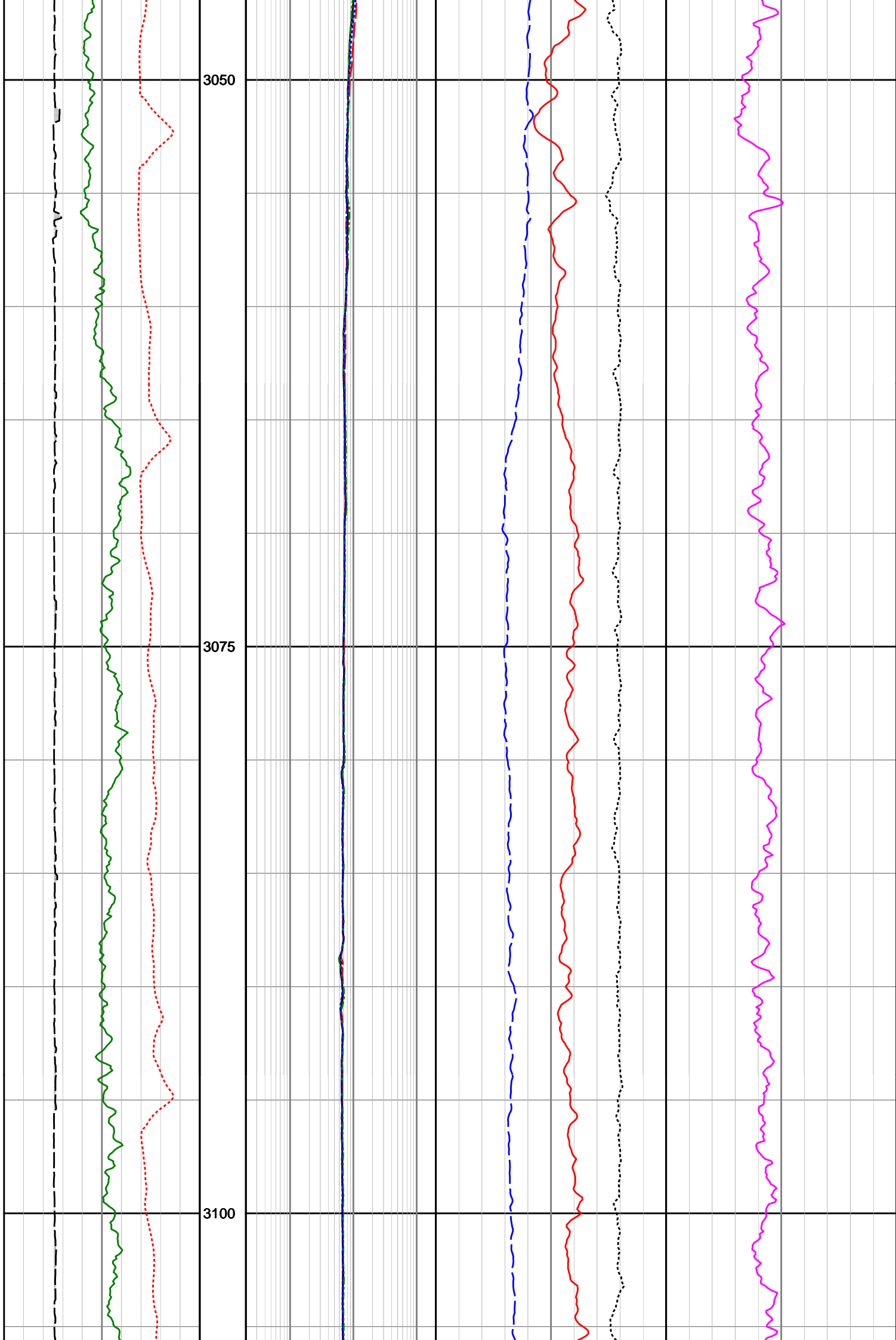


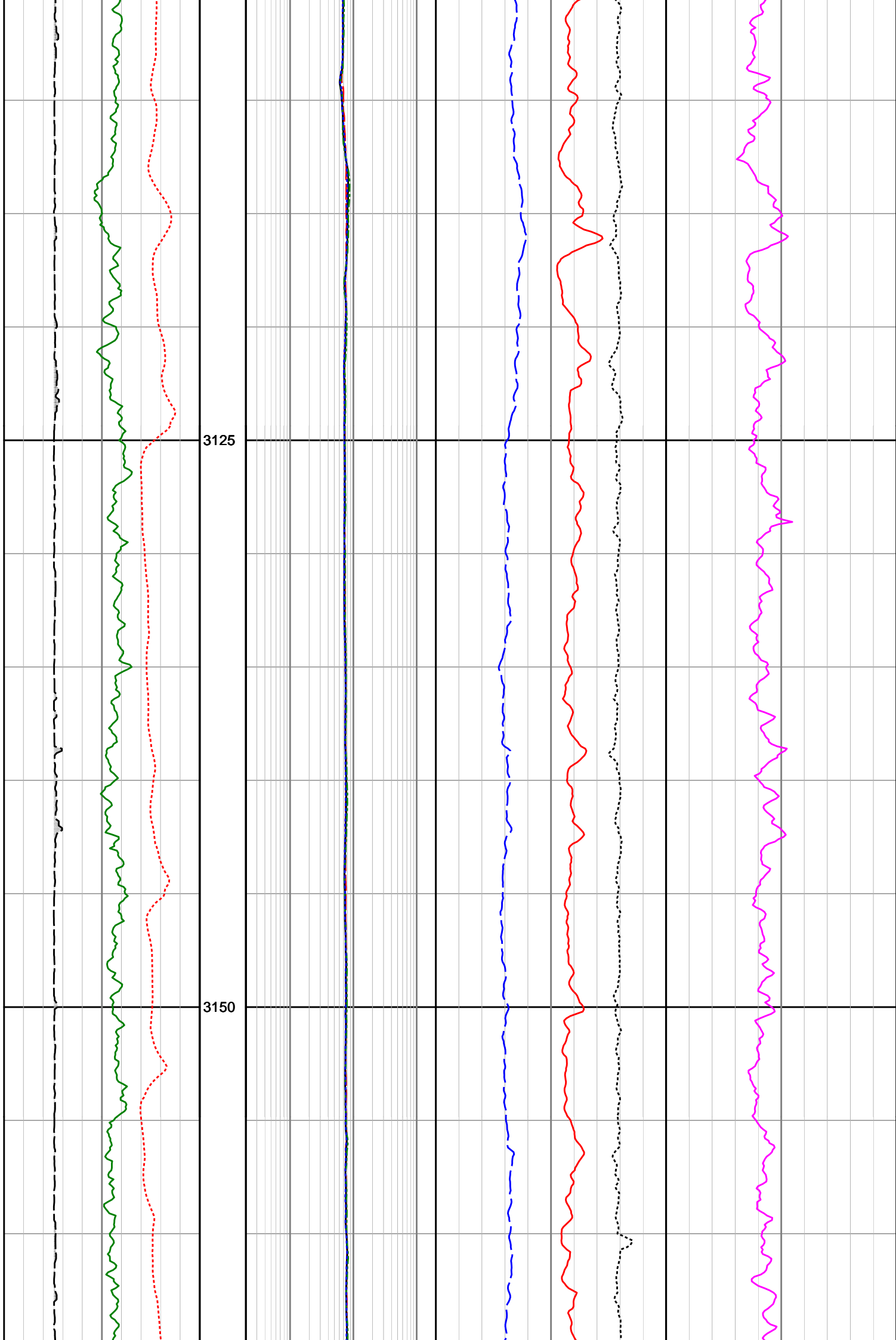


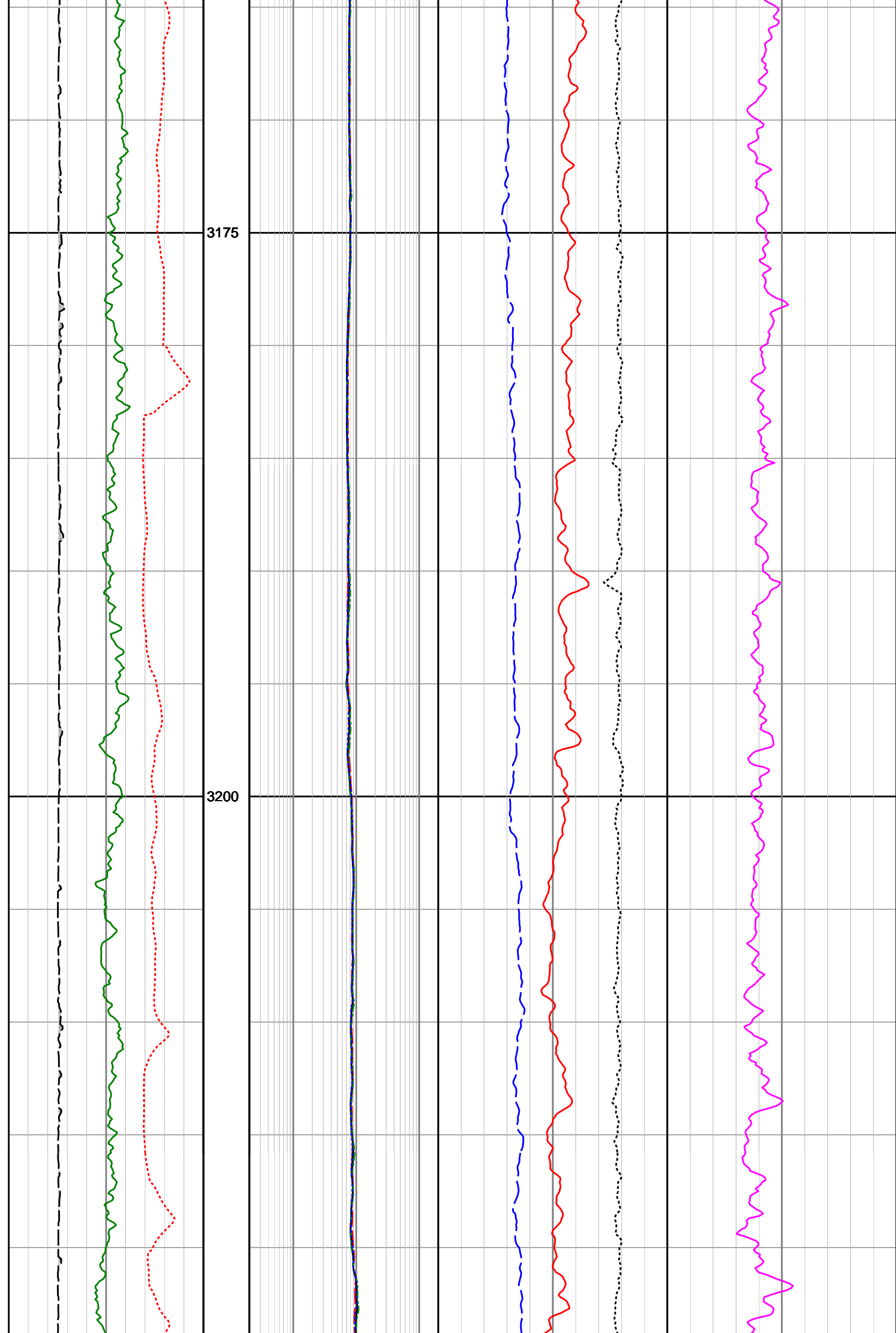


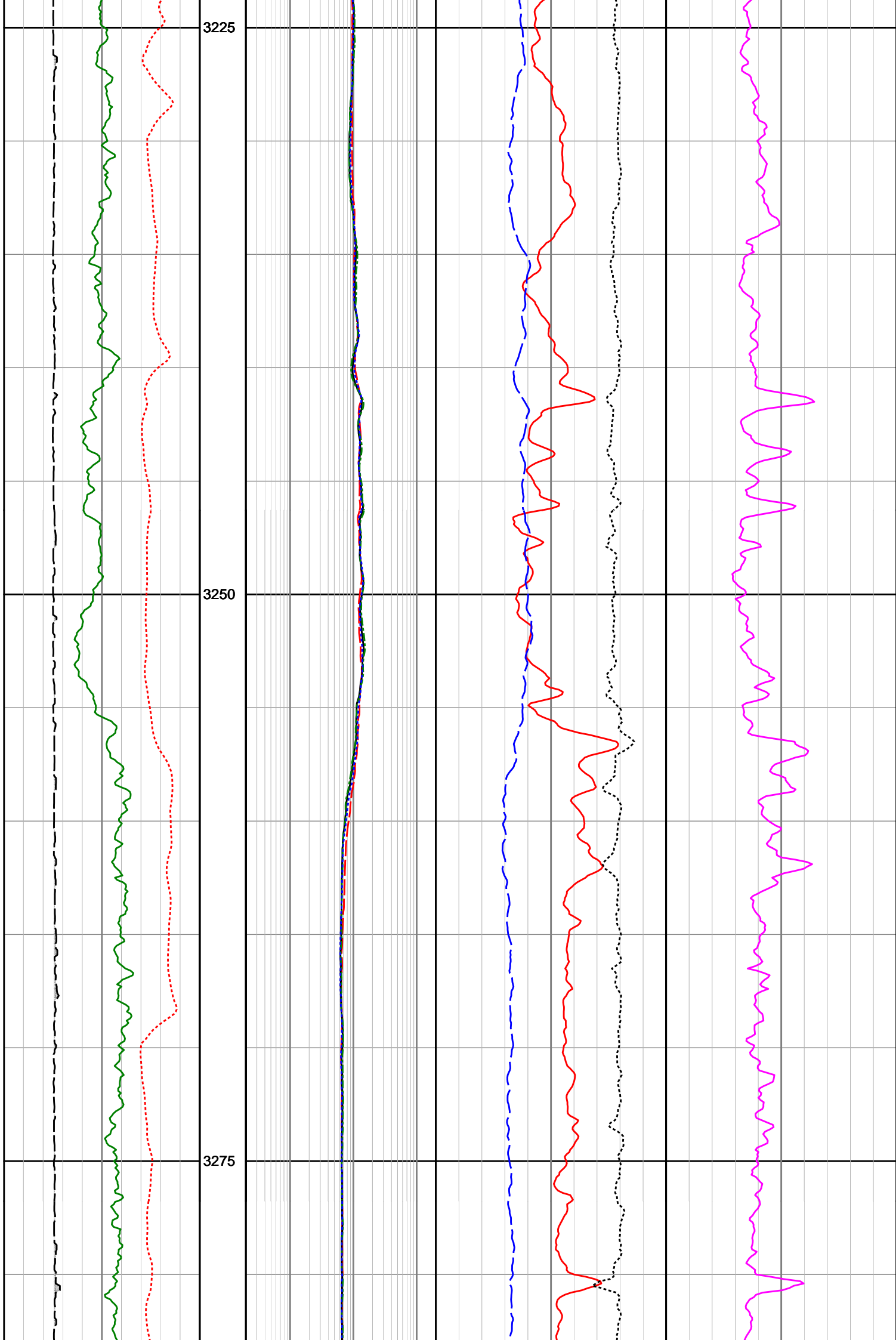




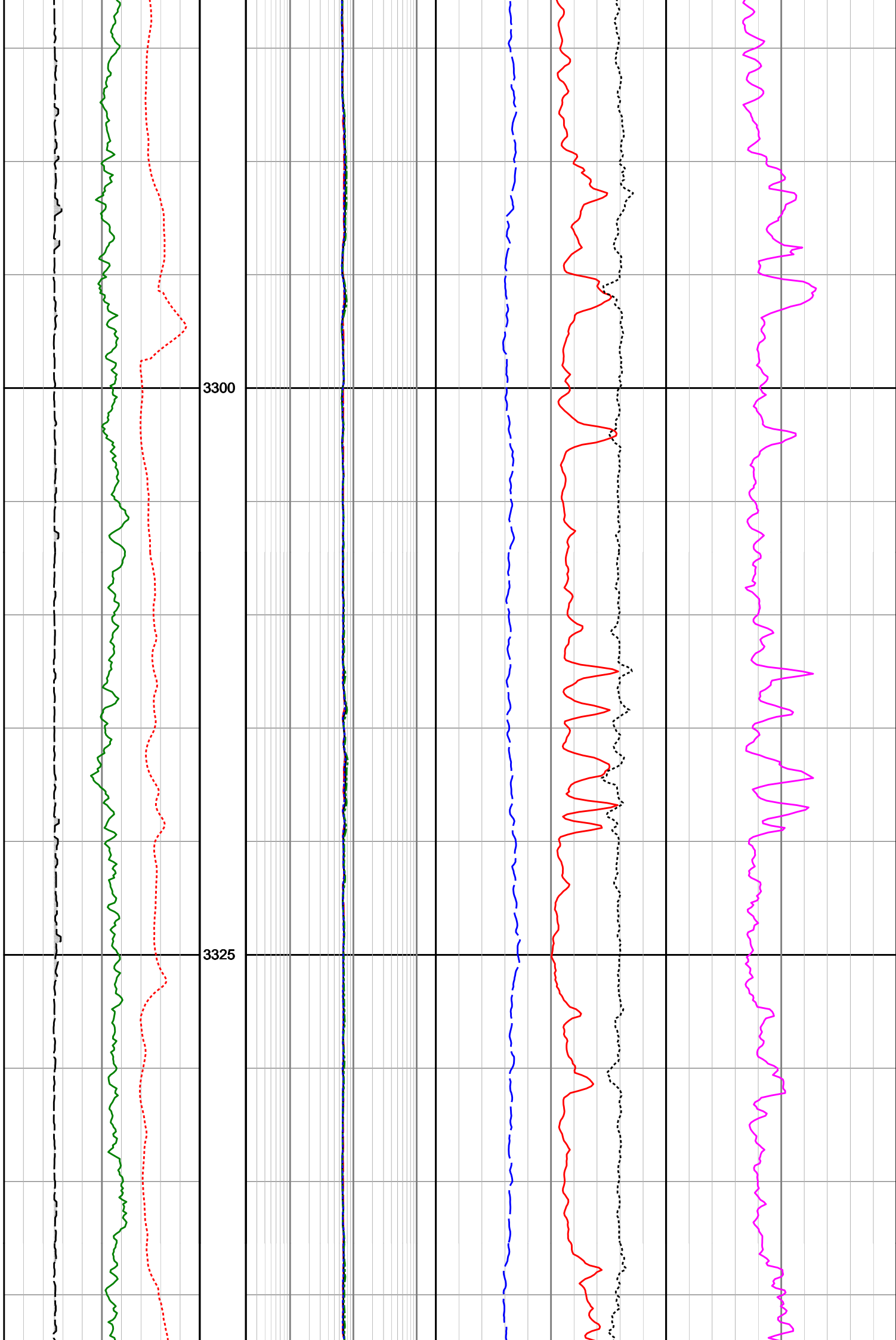


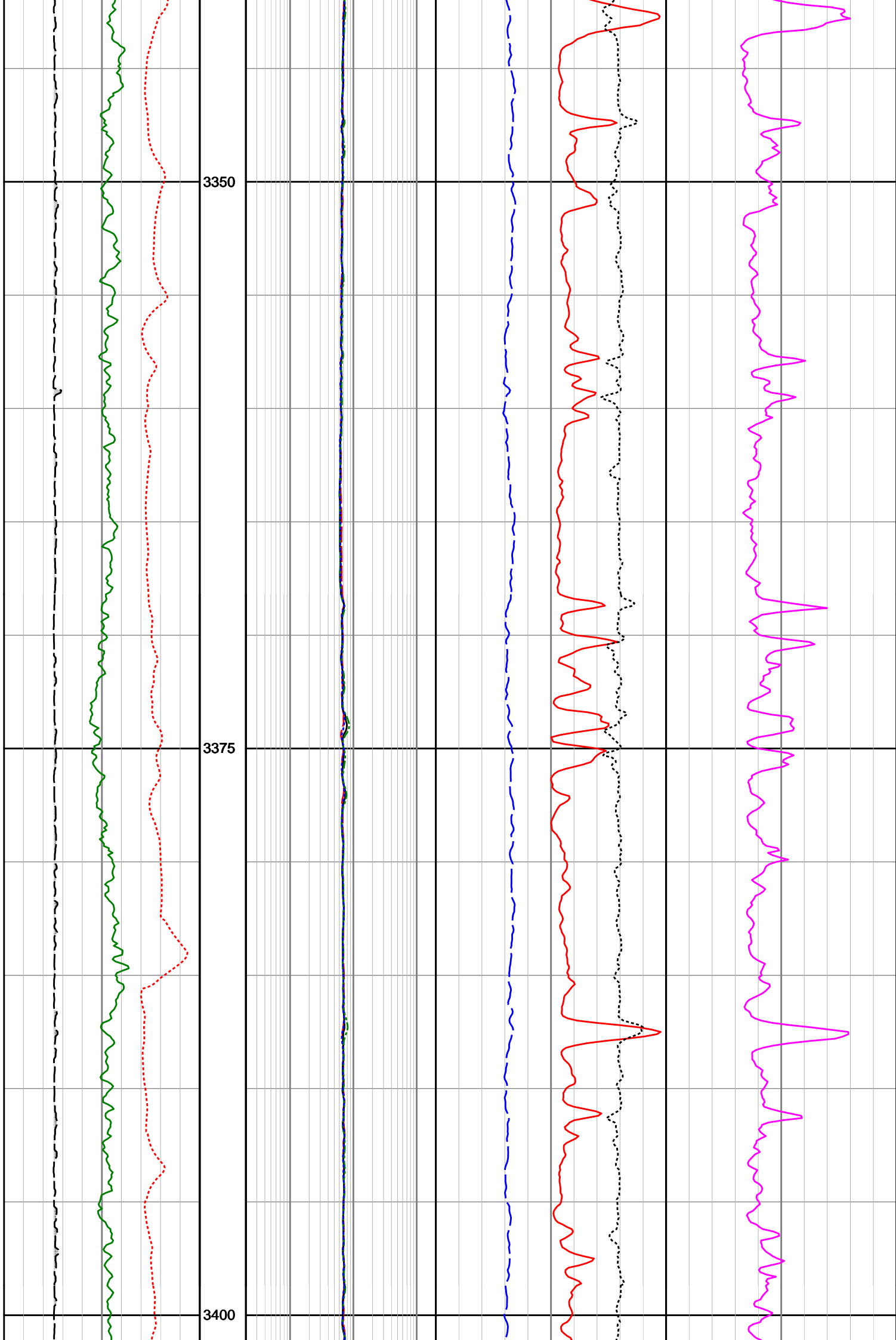


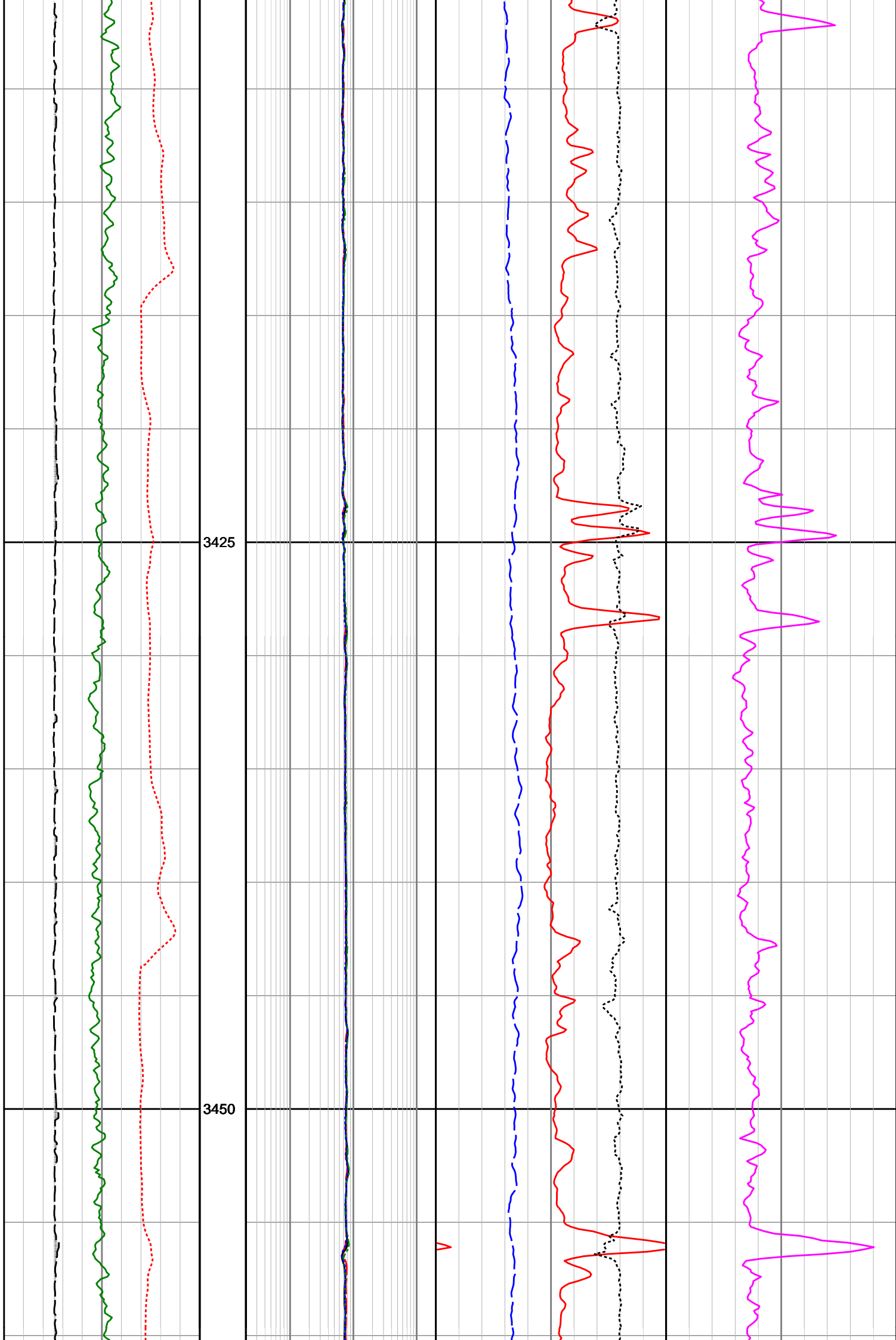


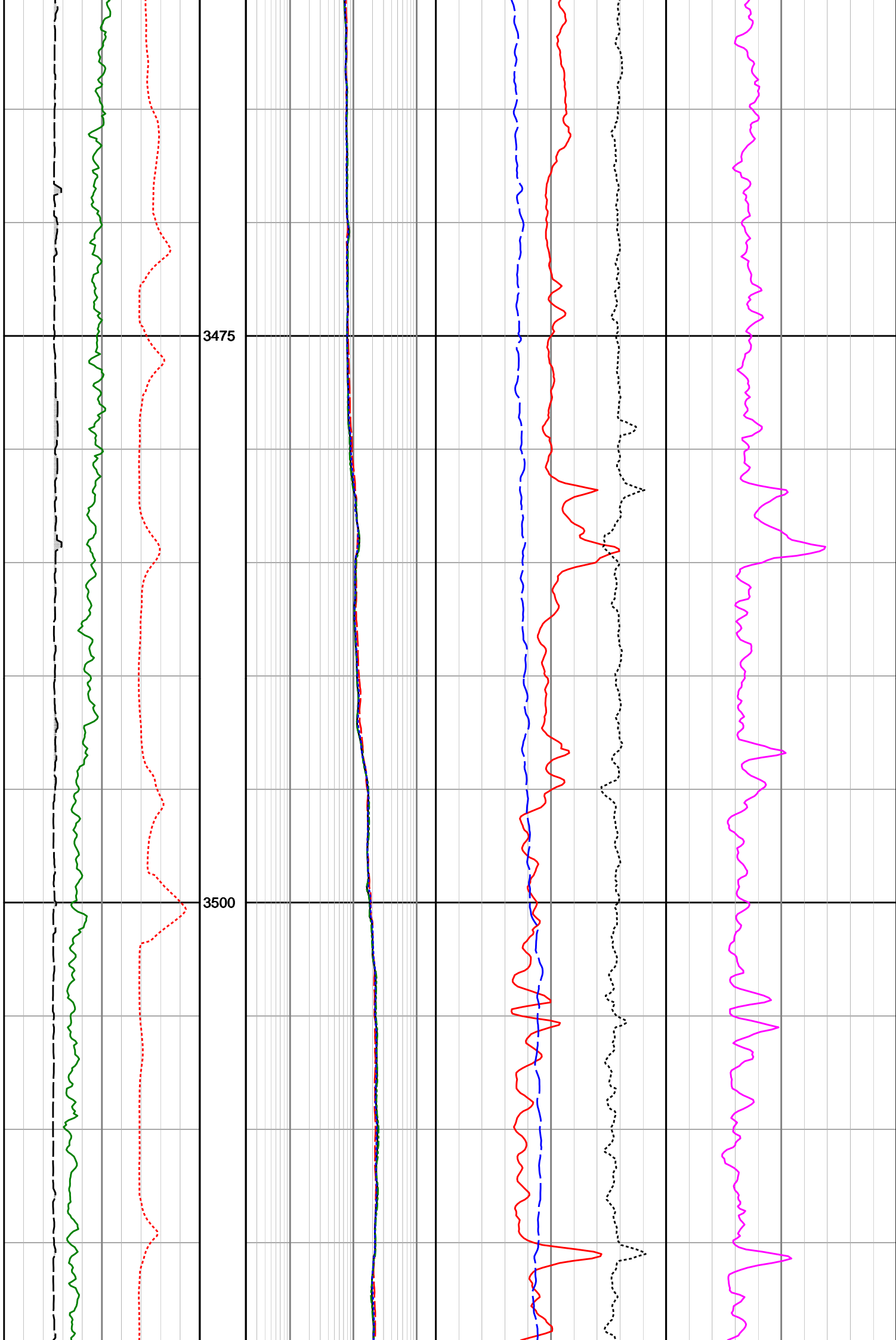


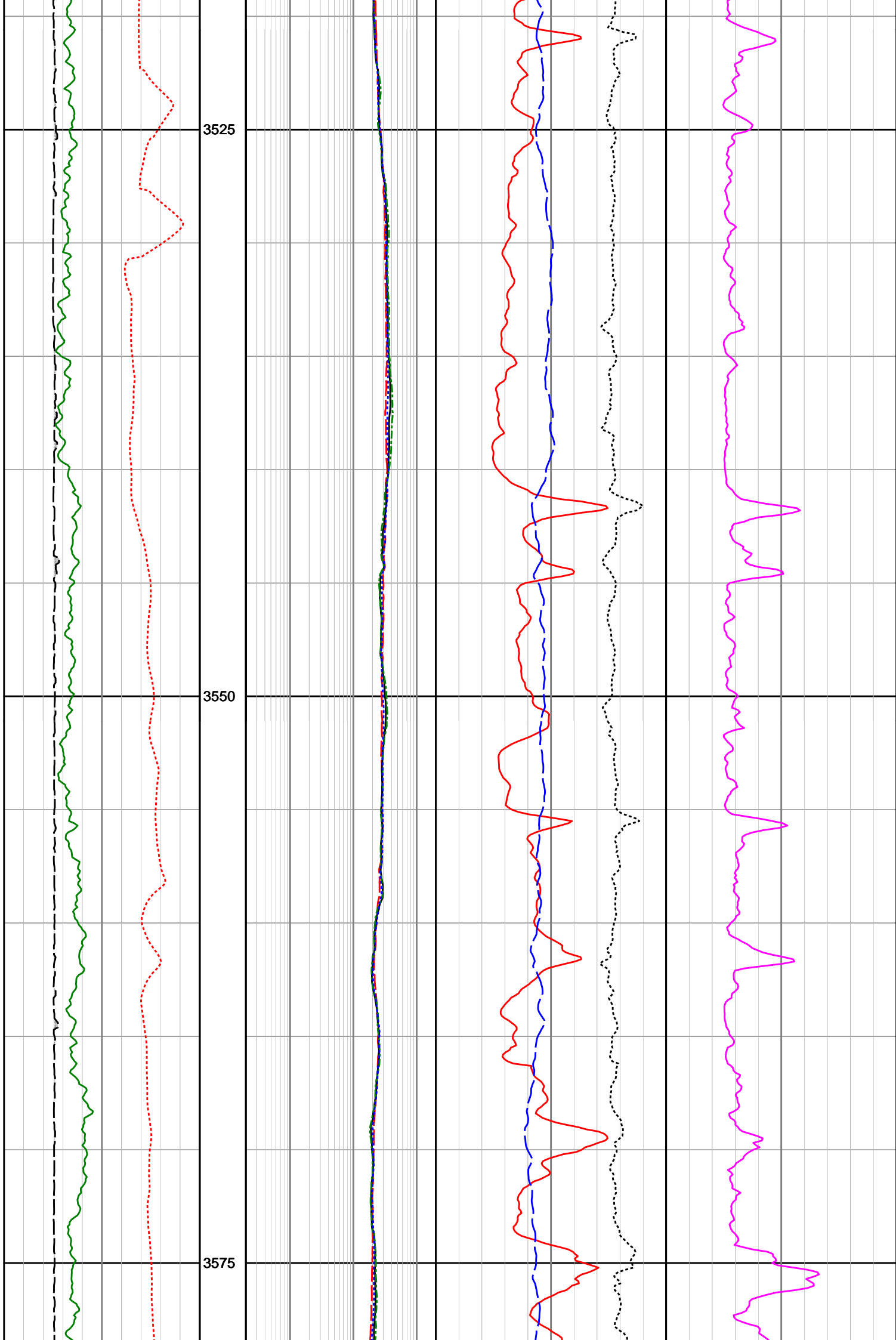


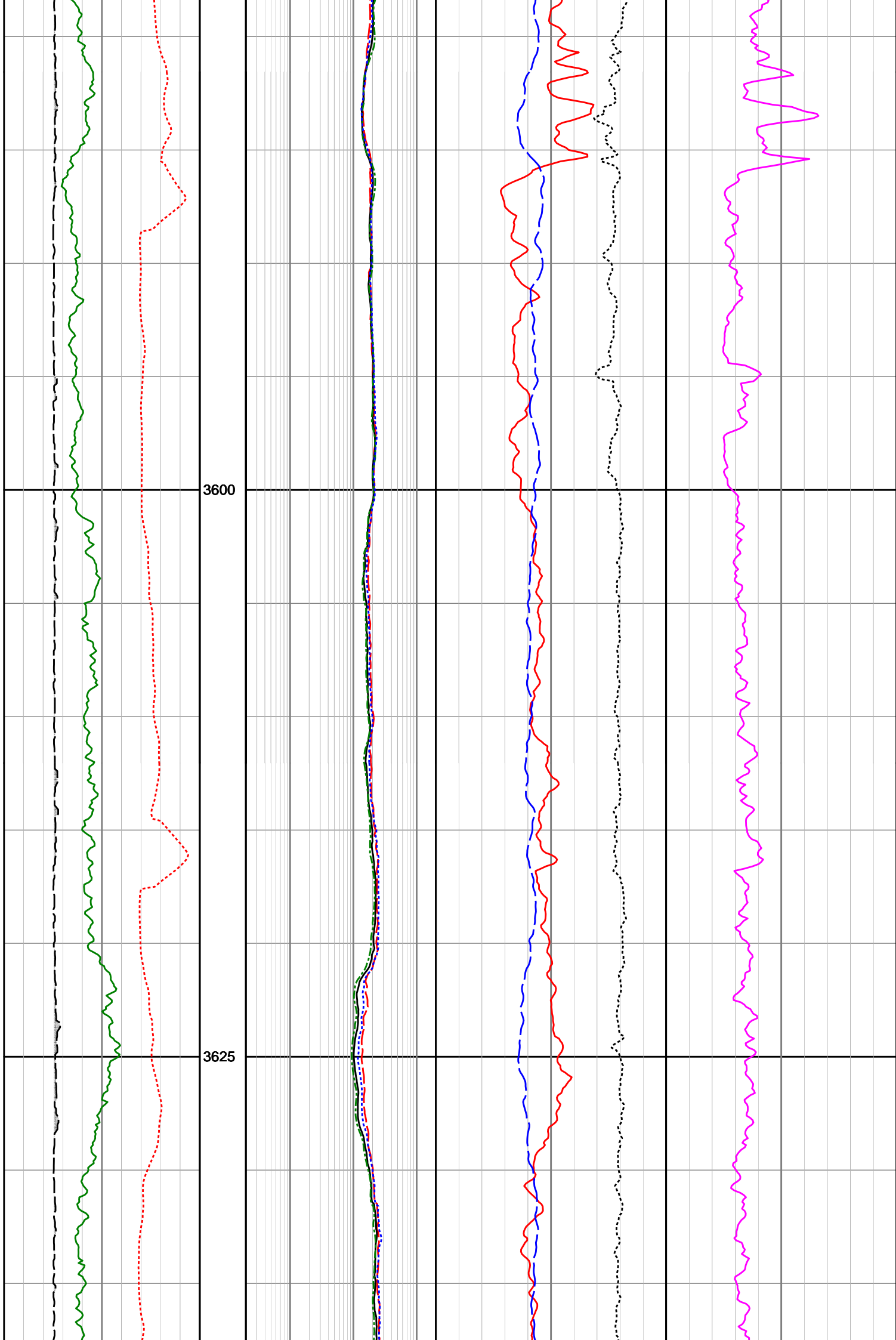


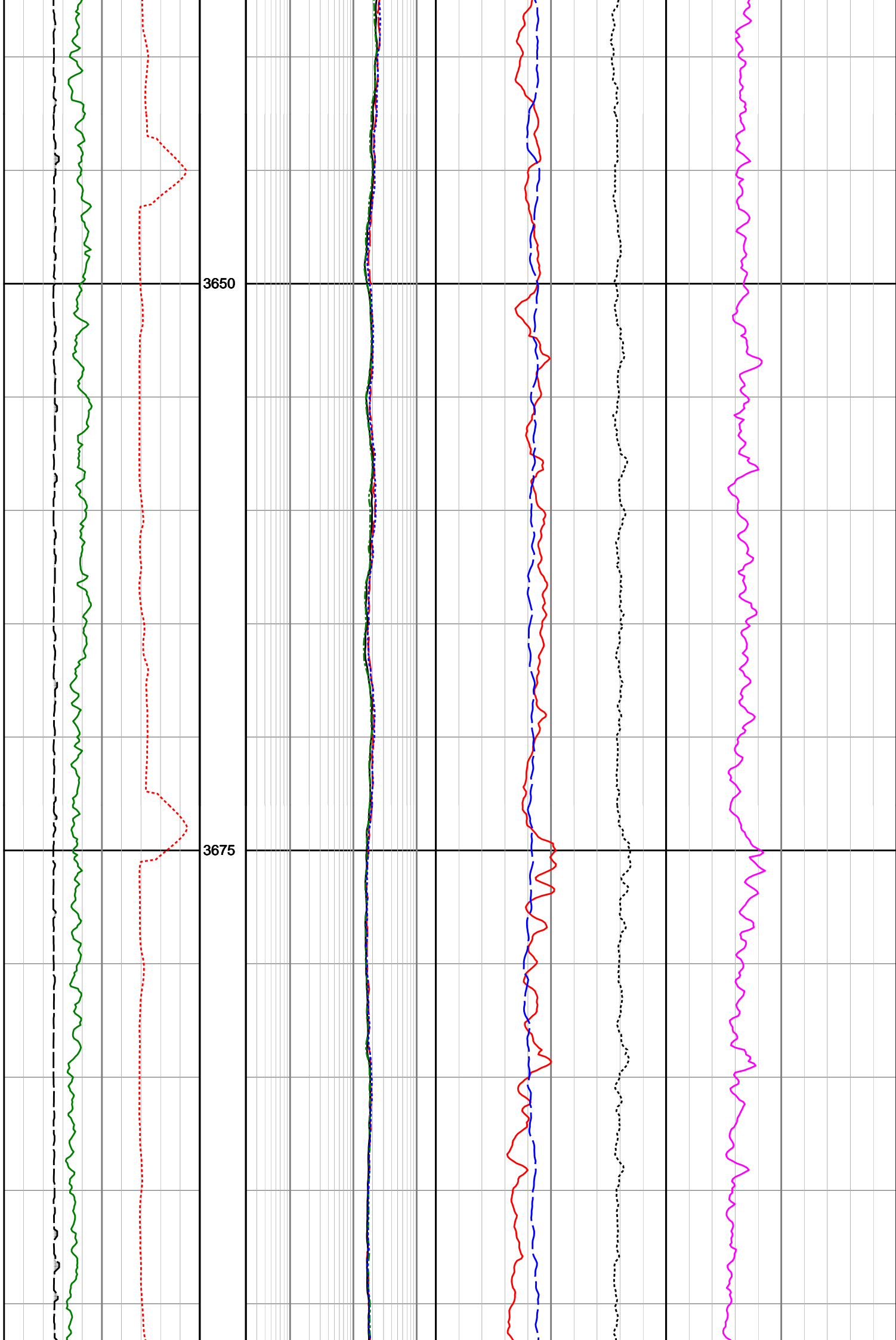


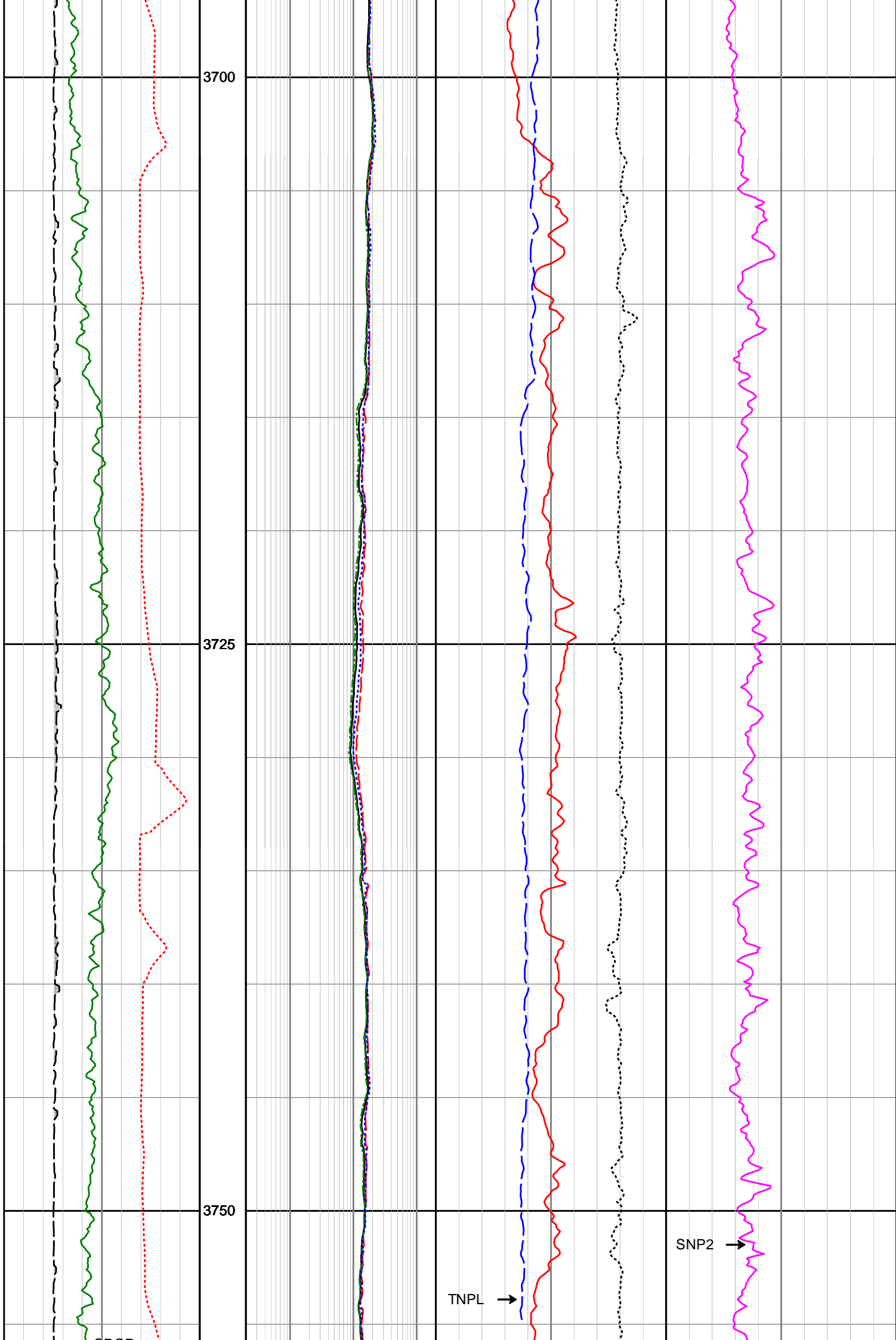




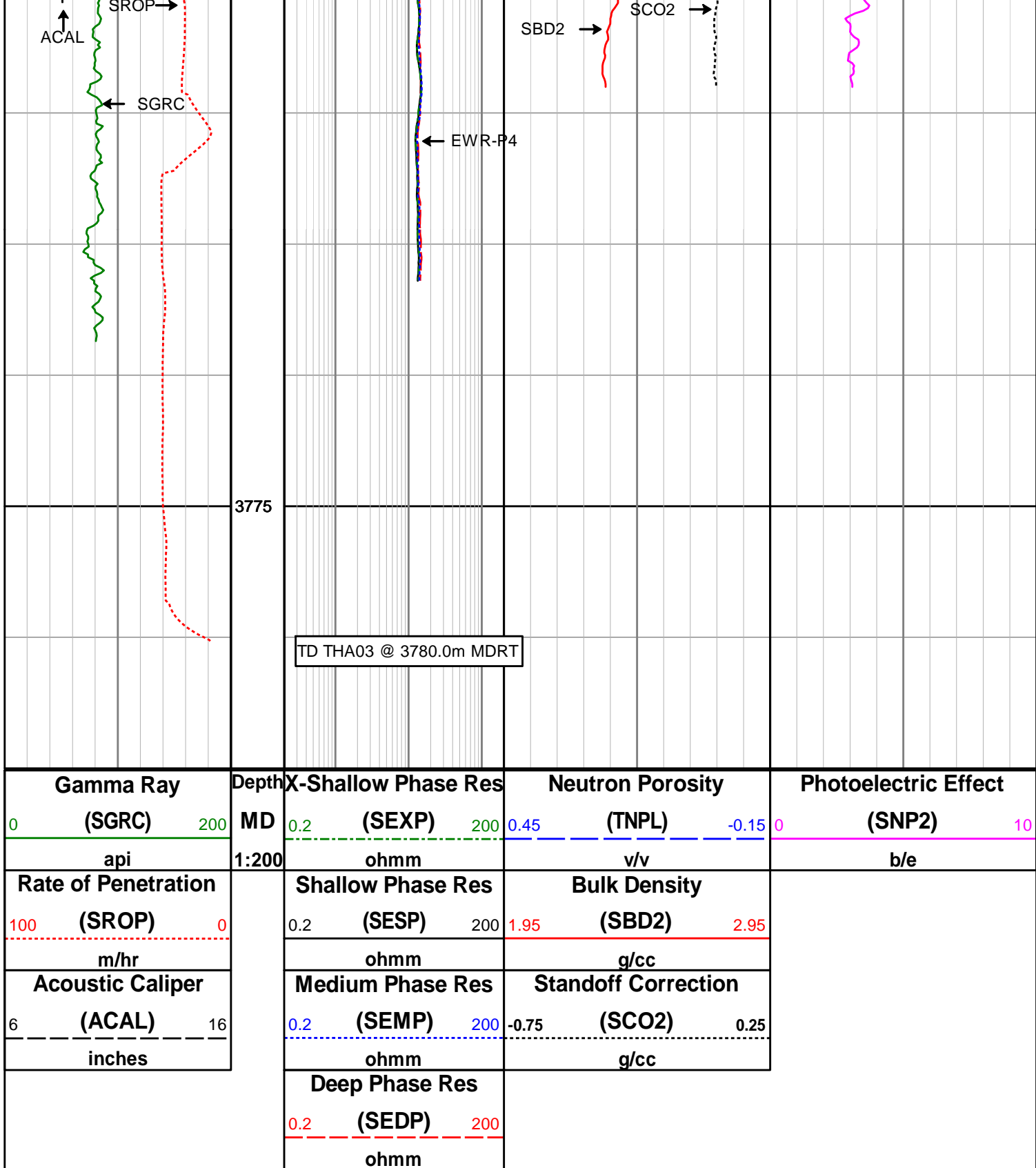












Sperry Drilling Services

## DIRECTIONAL SURVEY REPORT

Woodside Energy Ltd

THA03

Thylacine

Tasmania

Australia

AU-FE-000393065

RT-LAT=50.5m

Final survey projected to TD

Surveys SAG and SUCOP Corrected to 2391.24mMDRT

Surveys SAG corrected from 2420.15mMDRT

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/20m)
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(metres)	(degrees)	(degrees)	(metres)	(metres)	(metres)	(metres)	(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
254.760	1.97	112.12	254.739	0.678 S	1.668 E	-1.098	0.56
283.630	1.27	39.55	283.600	0.618 S	2.332 E	-1.217	2.08
312.540	2.11	20.32	312.498	0.128 N	2.721 E	-0.602	1.04
341.490	2.62	3.09	341.423	1.288 N	2.941 E	0.458	0.90
370.420	3.69	358.03	370.309	2.879 N	2.945 E	1.990	1.15
399.400	4.25	5.27	399.220	4.880 N	3.012 E	3.901	0.78
428.360	4.44	4.44	428.096	7.067 N	3.197 E	5.959	0.21
457.280	3.88	357.42	456.940	9.160 N	3.239 E	7.965	0.78
486.270	4.38	354.50	485.855	11.242 N	3.089 E	10.012	0.56
515.210	3.47	8.86	514.727	13.207 N	3.118 E	11.898	1.38
544.150	4.00	17.56	543.606	15.035 N	3.558 E	13.543	0.80
572.990	3.13	357.25	572.391	16.781 N	3.823 E	15.154	1.58
601.890	4.22	3.79	601.231	18.630 N	3.856 E	16.928	1.21
619.590	4.86	355.92	618.876	20.028 N	3.846 E	18.278	1.51
655.510	5.64	6.14	654.646	23.300 N	3.926 E	21.411	1.01
684.400	5.55	3.54	683.398	26.106 N	4.164 E	24.052	0.28
713.300	5.58	355.12	712.162	28.901 N	4.131 E	26.754	0.85
742.210	6.01	345.48	740.925	31.767 N	3.632 E	29.649	1.10
771.140	5.25	344.41	769.715	34.508 N	2.896 E	32.487	0.80
800.080	4.68	343.47	798.547	36.915 N	2.205 E	34.992	0.60
829.010	5.00	358.78	827.375	39.307 N	1.842 E	37.394	1.38
857.920	4.89	357.84	856.177	41.798 N	1.769 E	39.814	0.14
886.830	4.91	357.67	884.982	44.265 N	1.672 E	42.218	0.03
915.780	5.75	343.90	913.807	46.897 N	1.220 E	44.875	1.58
944.690	5.55	339.66	942.577	49.599 N	0.332 E	47.716	0.48
973.590	5.26	337.84	971.348	52.136 N	0.653 W	50.424	0.35
1002.530	5.17	336.08	1000.169	54.557 N	1.682 W	53.031	0.19
1031.400	5.13	342.17	1028.922	56.974 N	2.605 W	55.607	0.57
1060.220	5.24	345.84	1057.624	59.477 N	3.322 W	58.210	0.36
1089.200	4.86	342.41	1086.492	61.930 N	4.016 W	60.760	0.50
1118.080	4.68	342.16	1115.272	64.218 N	4.747 W	63.160	0.19
1147.000	4.81	345.09	1144.093	66.513 N	5.420 W	65.551	0.29
1175.950	4.89	343.75	1172.939	68.870 N	6.078 W	67.999	0.14
1204.870	5.12	345.18	1201.749	71.301 N	6.753 W	70.522	0.27
1233.790	5.44	345.56	1230.546	73.876 N	7.425 W	73.183	0.33
1291.610	4.69	341.67	1288.140	78.775 N	8.852 W	78.284	0.43
1320.540	4.65	343.86	1316.974	81.024 N	9.550 W	80.638	0.19
1378.330	4.51	345.65	1374.580	85.475 N	10.764 W	85.252	0.10
1407.180	4.73	344.53	1403.336	87.720 N	11.362 W	87.575	0.25
1436.060	5.76	353.45	1432.095	90.308 N	11.845 W	90.198	1.36
1493.830	4.83	349.14	1489.618	95.577 N	12.634 W	95.486	0.52
1522.770	4.83	353.63	1518.456	97.984 N	12.999 W	97.904	0.39
1551.720	5.69	356.61	1547.283	100.628 N	13.219 W	100.511	0.93
1580.650	5.60	352.84	1576.073	103.460 N	13.480 W	103.310	0.40
1609.550	5.71	344.71	1604.833	106.246 N	14.035 W	106.143	0.84
1638.490	5.45	341.69	1633.636	108.939 N	14.846 W	108.955	0.41
1667.360	5.21	342.37	1662.381	111.490 N	15.674 W	111.634	0.26
1696.270	4.89	345.91	1691.179	113.936 N	16.371 W	114.178	0.46
1725.220	4.96	351.24	1720.022	116.370 N	16.862 W	116.654	0.48
1754.150	5.73	0.09	1748.827	119.050 N	17.050 W	119.288	1.17
1783.130	6.05	352.77	1777.654	122.012 N	17.240 W	122.193	0.84
1812.090	5.37	341.64	1806.471	124.812 N	17.859 W	125.057	1.34
1841.010	5.08	344.38	1835.271	127.330 N	18.630 W	127.689	0.40
1870.000	7.09	349.29	1864.096	130.324 N	19.308 W	130.756	2.15
1898.940	11.20	349.92	1892.662	134.848 N	20.133 W	135.336	4.26
1927.890	16.41	352.08	1920.767	141.672 N	21.189 W	142.194	5.42
1956.730	19.80	348.89	1948.175	150.502 N	22.692 W	151.106	3.67
1985.630	23.38	342.47	1975.047	160.778 N	25.363 W	161.722	4.45
2014.550	27.83	339.79	2001.121	172.591 N	29.426 W	174.190	4.77
2043.480	30.82	339.38	2026.341	185.868 N	34.370 W	188.304	3.11
2072.430	34.92	339.92	2050.651	200.597 N	39.829 W	203.956	4.26
2101.380	38.22	340.00	2073.899	216.799 N	45.738 W	221.147	3.42
2130.260	42.08	340.38	2095.969	234.316 N	52.045 W	239.712	4.02
2159.590	45.51	341.14	2117.137	253.480 N	58.729 W	259.963	3.55
2187.770	49.38	342.11	2136.192	273.177 N	65.266 W	280.690	4.19
2217.490	54.44	343.28	2154.521	295.504 N	72.214 W	304.061	5.19
2246.400	59.05	343.26	2170.369	318.650 N	79.171 W	328.224	4.78
2275.330	63.07	342.73	2184.366	342.855 N	86.576 W	353.527	4.20
2304.300	66.27	341.88	2196.759	367.796 N	94.536 W	379.688	3.41
2333.410	68.40	342.38	2207.975	393.361 N	102.777 W	406.525	2.25
2362.300	73.12	343.46	2217.493	419.428 N	110.783 W	433.782	5.01
2391.240	77.69	344.76	2224.784	446.357 N	118.445 W	461.779	4.91
2420.150	83.22	345.43	2229.576	473.897 N	125.774 W	490.277	5.78

2449.080	87.24	345.08	2231.981	501.771 N	133.110 W	519.098	4.18
2477.990	91.93	345.17	2232.190	529.704 N	140.530 W	547.998	4.87
2506.940	95.59	344.81	2230.292	557.601 N	148.010 W	576.880	3.81
2535.830	95.28	343.88	2227.556	585.294 N	155.770 W	605.639	1.01
2564.760	94.98	342.68	2224.969	612.890 N	164.060 W	634.446	1.28
2593.690	94.54	340.97	2222.568	640.280 N	173.052 W	663.243	1.83
2622.590	95.41	340.01	2220.062	667.418 N	182.667 W	691.961	1.34
2651.520	94.23	339.90	2217.631	694.499 N	192.548 W	720.696	1.23
2680.480	94.05	340.17	2215.540	721.647 N	202.410 W	749.491	0.34
2709.440	95.22	340.03	2213.200	748.788 N	212.235 W	778.269	1.22
2738.410	94.97	339.88	2210.627	775.896 N	222.125 W	807.033	0.30
2767.340	94.60	341.80	2208.214	803.127 N	231.587 W	835.800	2.02
2825.150	94.54	343.54	2203.607	858.135 N	248.751 W	893.394	0.90
2854.160	94.73	343.56	2201.263	885.867 N	256.939 W	922.304	0.20
2883.120	95.29	343.95	2198.734	913.564 N	265.010 W	951.151	0.71
2912.070	94.97	344.09	2196.145	941.284 N	272.948 W	979.984	0.36
2969.950	94.73	344.41	2191.251	996.791 N	288.602 W	1037.656	0.21
2998.880	95.10	343.91	2188.773	1024.520 N	296.470 W	1066.478	0.64
3027.800	95.10	342.61	2186.202	1052.104 N	304.766 W	1095.276	1.34
3056.730	94.29	342.06	2183.834	1079.577 N	313.515 W	1124.087	1.01
3085.670	94.60	342.44	2181.591	1107.057 N	322.312 W	1152.917	0.51
3114.640	94.30	342.09	2179.343	1134.567 N	331.110 W	1181.777	0.48
3143.580	94.72	342.49	2177.067	1162.050 N	339.886 W	1210.605	0.60
3172.480	94.54	343.04	2174.735	1189.562 N	348.421 W	1239.397	0.60
3201.430	94.79	343.29	2172.380	1217.179 N	356.777 W	1268.242	0.37
3230.400	94.97	342.65	2169.916	1244.779 N	365.231 W	1297.096	0.69
3259.380	94.60	341.32	2167.498	1272.241 N	374.162 W	1325.946	1.42
3288.280	90.64	341.65	2166.177	1299.611 N	383.327 W	1354.769	4.12
3317.220	91.19	341.29	2165.715	1327.047 N	392.523 W	1383.664	0.68
3346.140	91.81	342.68	2164.958	1354.539 N	401.464 W	1412.544	1.58
3375.090	91.18	344.15	2164.203	1382.275 N	409.724 W	1441.478	1.66
3404.060	92.30	343.66	2163.323	1410.096 N	417.752 W	1470.432	1.27
3461.910	92.48	343.60	2160.910	1465.552 N	434.042 W	1528.224	0.10
3490.840	93.66	344.79	2159.361	1493.348 N	441.910 W	1557.111	1.74
3519.100	96.13	345.18	2156.950	1520.541 N	449.204 W	1585.265	2.65
3548.640	92.85	343.76	2154.637	1548.910 N	457.088 W	1614.710	3.63
3577.560	89.83	342.88	2153.961	1576.602 N	465.386 W	1643.612	3.26
3606.490	88.28	343.34	2154.438	1604.280 N	473.789 W	1672.528	1.68
3635.450	86.76	342.06	2155.691	1631.902 N	482.393 W	1701.444	2.06
3664.370	86.82	342.90	2157.311	1659.437 N	491.085 W	1730.300	0.87
3693.310	87.25	342.54	2158.808	1687.034 N	499.670 W	1759.187	0.58
3722.250	87.75	342.87	2160.070	1714.639 N	508.265 W	1788.084	0.62
3751.220	87.25	344.67	2161.334	1742.427 N	516.354 W	1817.022	1.93
3770.060	88.12	344.62	2162.095	1760.580 N	521.338 W	1835.847	1.39
3780.000	88.12	344.62	2162.421	1770.158 N	523.973 W	1845.782	0.00

# CALCULATION BASED ON MINIMUM CURVATURE METHOD

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

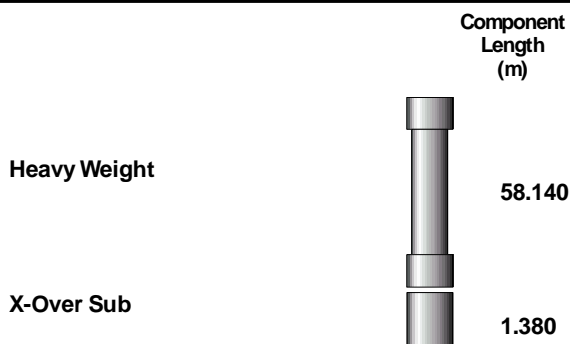
VERTICAL SECTION RELATIVE TO WELL HEAD  
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 344.54 DEGREES (GRID)  
A TOTAL CORRECTION OF 12.29 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.  
HORIZONTAL DISPLACEMENT(CLOSURE) AT 3780.000 METRES  
IS 1846.079 METRES ALONG 343.51 DEGREES (GRID)

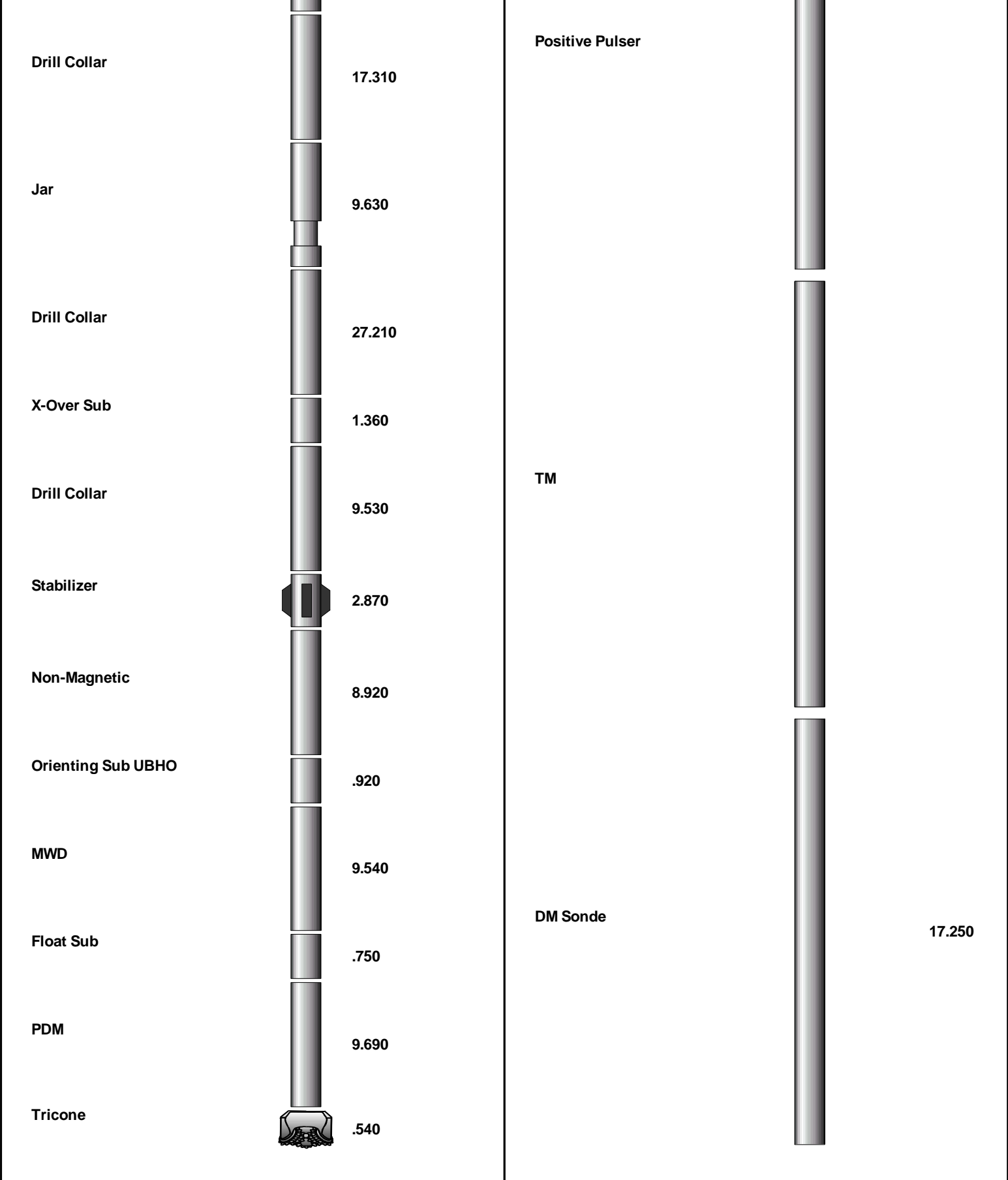
Date Printed:28 September 2006

## MWD RUN 200 - BHA

## MWD RUN 200 - MWD

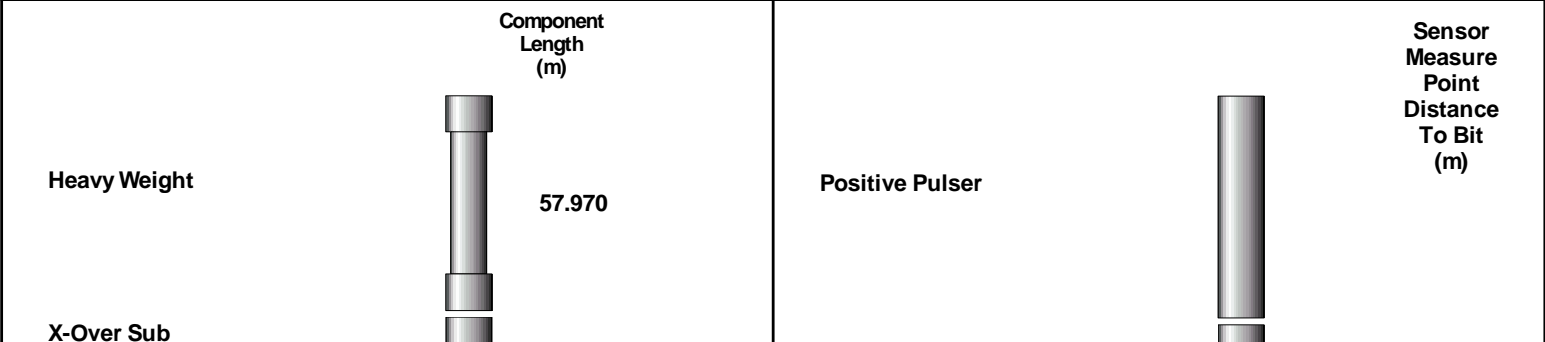


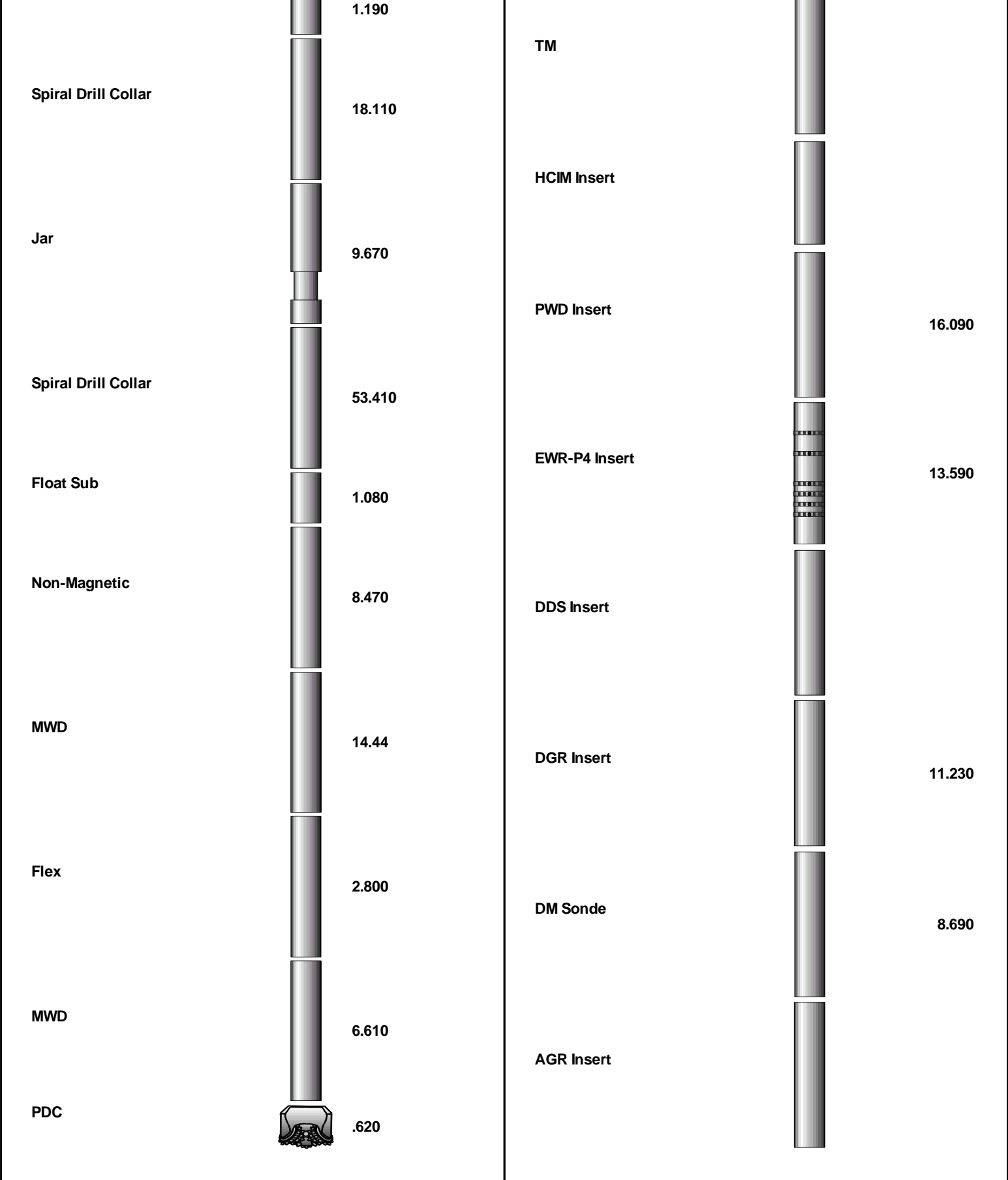
Sensor Measure Point Distance To Bit (m)



MWD RUN 300 - BHA

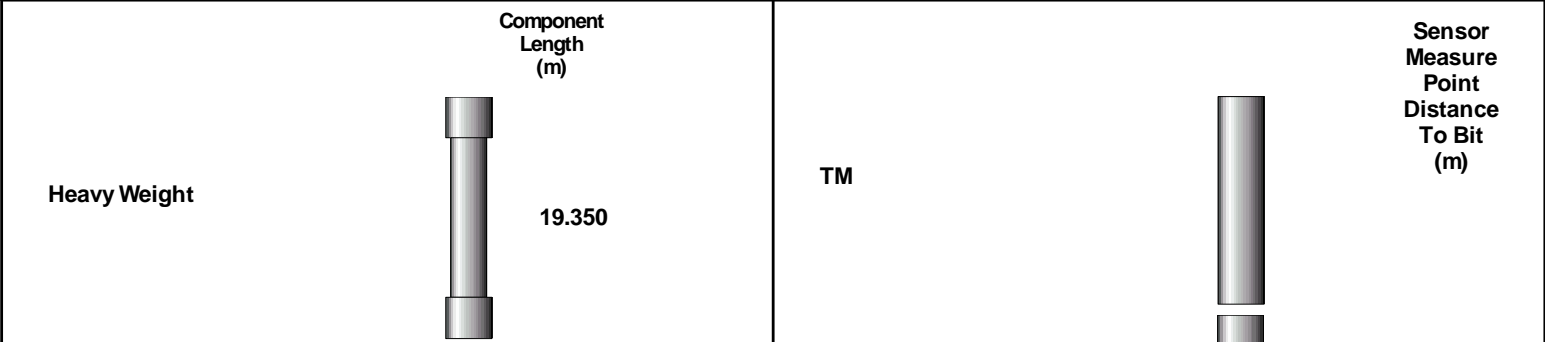
MWD RUN 300 - MWD














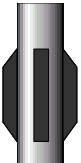











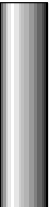





MWD RUN 400 - BHA

MWD RUN 400 - MWD



			Positive Pulser		
Jar		9.700			
					
			FTWD Insert		28.640
Heavy Weight		57.970			
					
			PWD-FTWD Insert		28.780
X-Over Sub		1.370			
					
Float Sub		.950			
			CTN Insert		25.480
					
Non-Magnetic		18.590			
			ALD Insert		21.410
					
MWD		27.84			
			HCIM Insert		
					
			EWR-P4 Insert		13.830
Flex		2.810			
					
			DDS Insert		0
Geo-Pilot		7.050			
					
			DGR Insert		11.480
PDC		.420			