



Multifinger Imaging Caliper
Gamma Ray
Casing Collar Log

Company Chevron USA Inc.				Company Chevron USA Inc.				
Well Beezley 2-22				Well Beezley 2-22				
Field Rangely				Field Rangely				
County Rio Blanco				County Rio Blanco				
State Colorado				State Colorado				
Location:				API # : 05-103-05742				
SEC 22 TWP 2N RGE 103W				Other Services				
				RBL				
Permanent Datum				Ground Level		Elevation		
Log Measured From				Kelly Bushing		5597'		
Drilling Measured From				Kelly Bushing		9 FT		
Date				18-MAR-2015		K.B. 5606'		
Run Number				One		D.F. 5605'		
Depth Driller				6700 FT		G.L. 5597'		
Depth Logger				5004 FT				
Bottom Logged Interval				5004 FT				
Top Log Interval				Surface				
Open Hole Size				8.75"				
Type Fluid				Water				
Density / Viscosity				8.3				
Max. Recorded Temp.				---				
Estimated Cement Top				2150 FT				
Time Well Ready				11:00				
Time Logger on Bottom				12:45				
Equipment Number				HD-0302				
Location				Grand Junction, CO				
Recorded By				D. Shannon				
Witnessed By				L. DeMers				
Borehole Record				Tubing Record				
Run Number		Bit	From	To	Size	Weight	From	To
1		8.75 IN	Surface	6700 FT				
Casing Record		Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom		
Surface Casing								
Intermediate #1								
Intermediate #2		7	23	---	Surface	6425 FT		
Liner								

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Log ran as per customer request.
Log measured from KB as per Chevron Well Schematic.

Thank you for choosing FMC Technologies Completion Services, Inc.!!



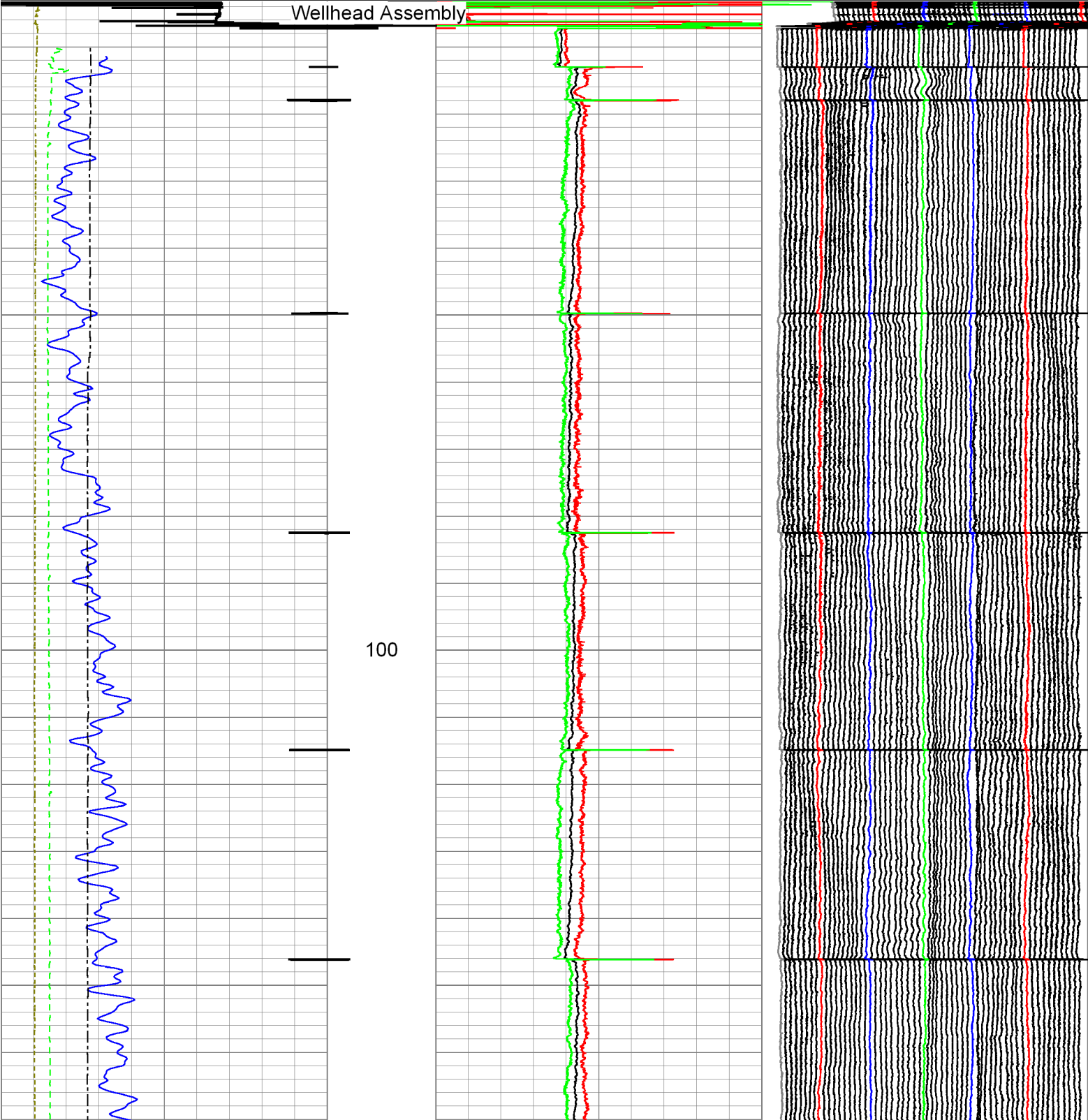
Main Pass

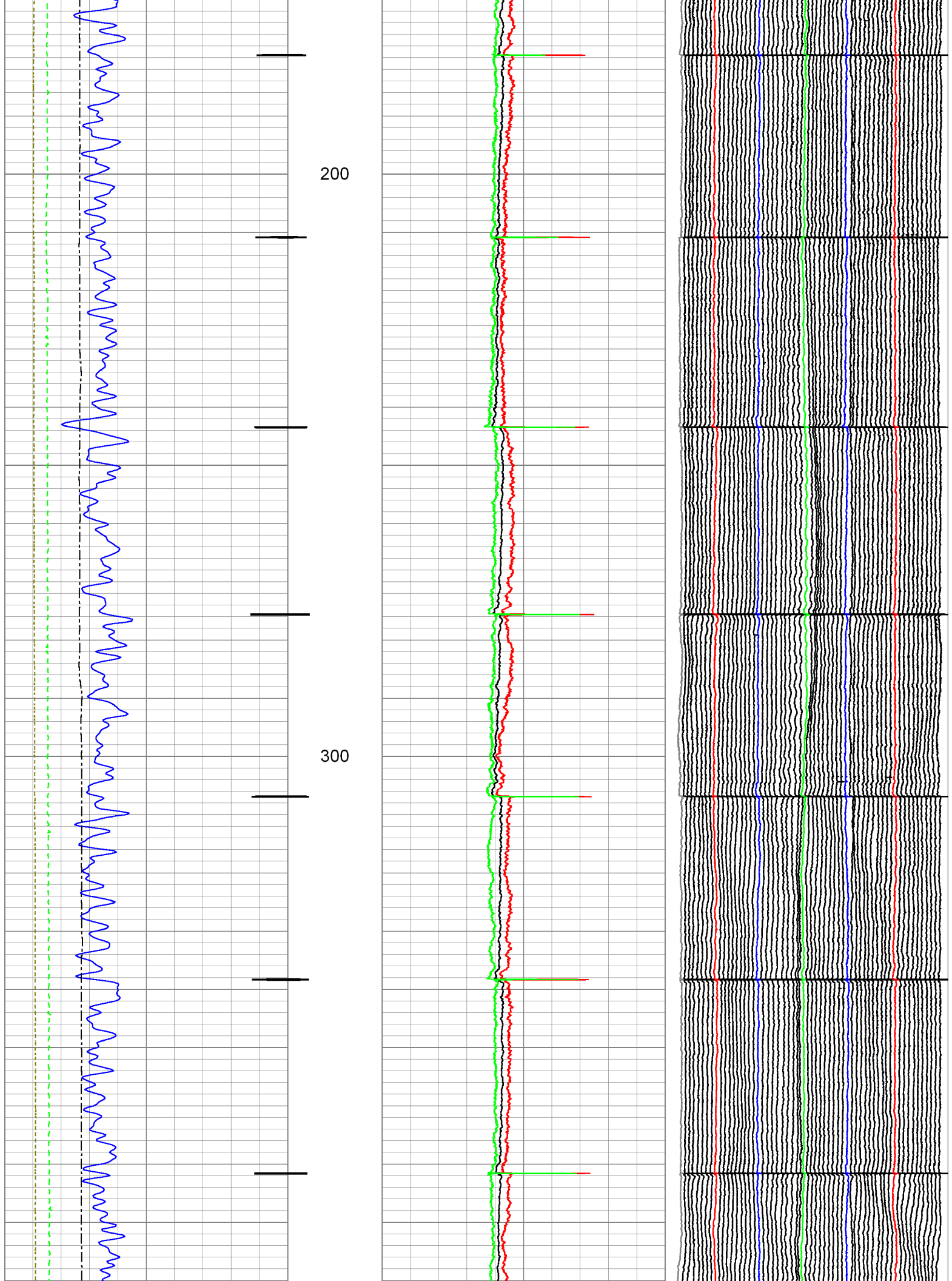
Recorded with -0- Psi surface induced pressure

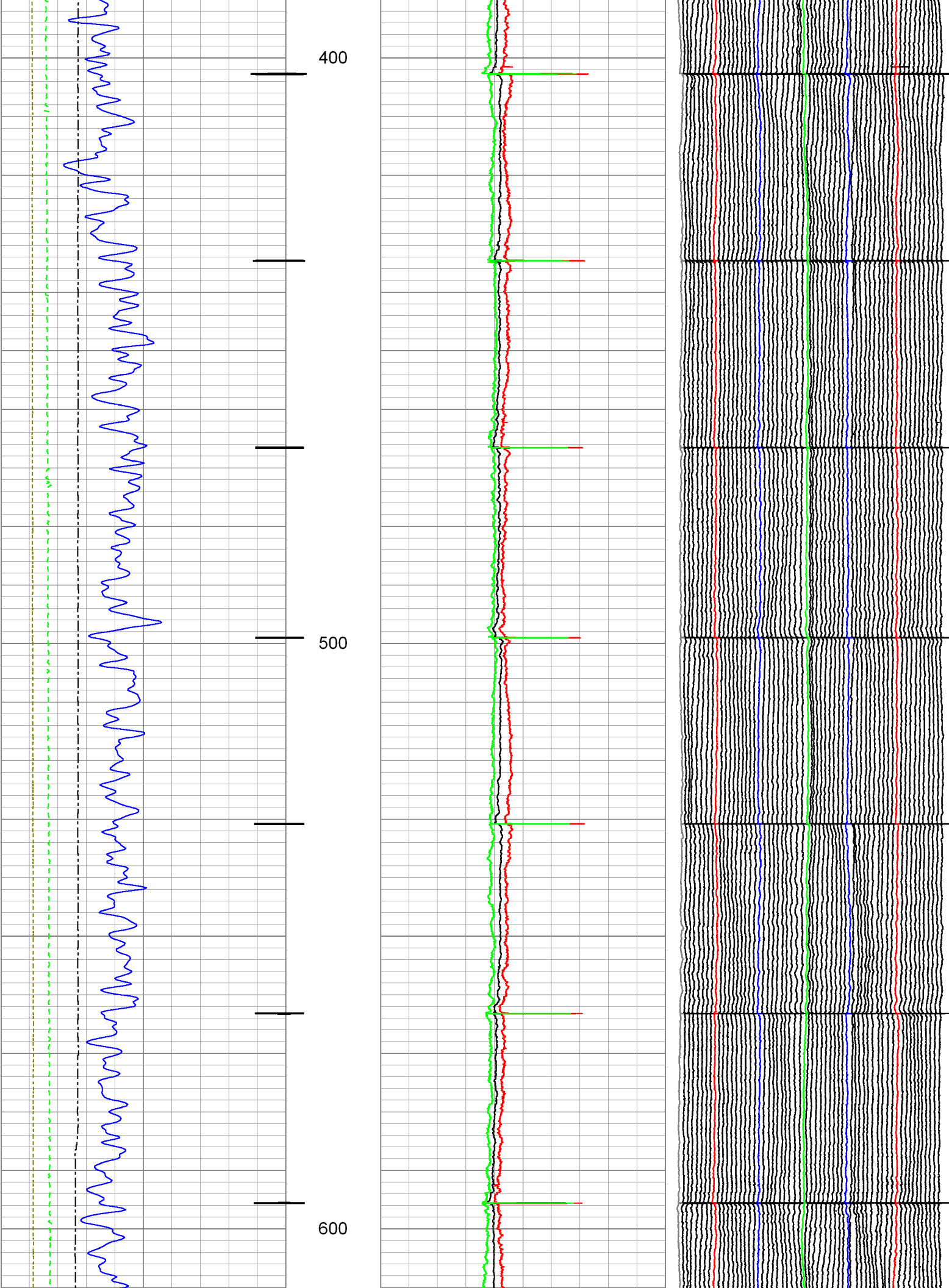
Database File: 03-18-15_chevron_beezley 2-22_mit_rbl.db
Dataset Pathname: merge1
Presentation Format: 70mit60s
Dataset Creation: Wed Mar 18 17:53:20 2015
Charted by: Depth in Feet scaled 1:240

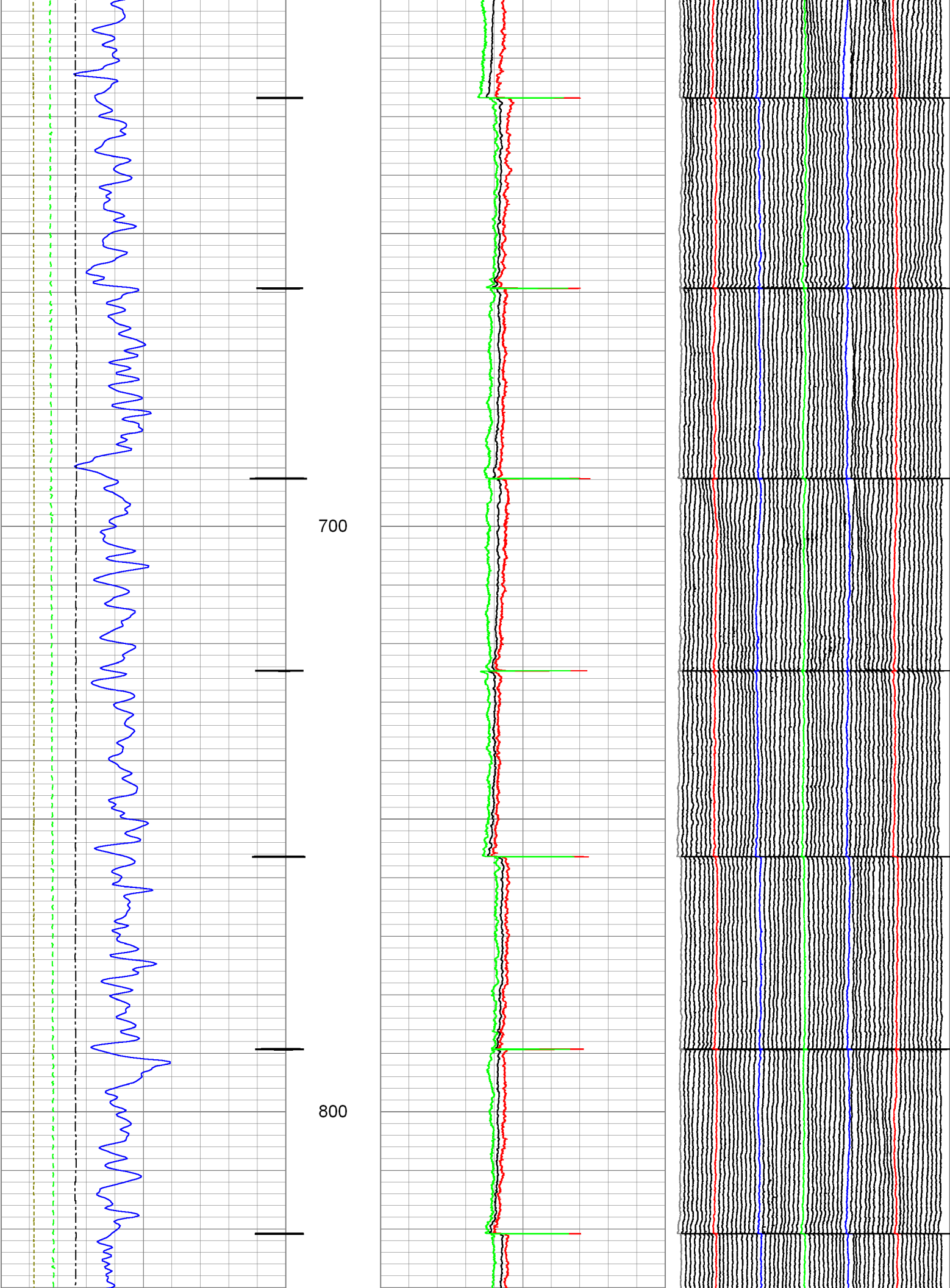
0	Gamma Ray (GAPI)	120
-100	Line Speed (ft/min)	100
-10	Deviation (°)	90
Casing Collar Locator		
0	Line Tension (lb)	2000

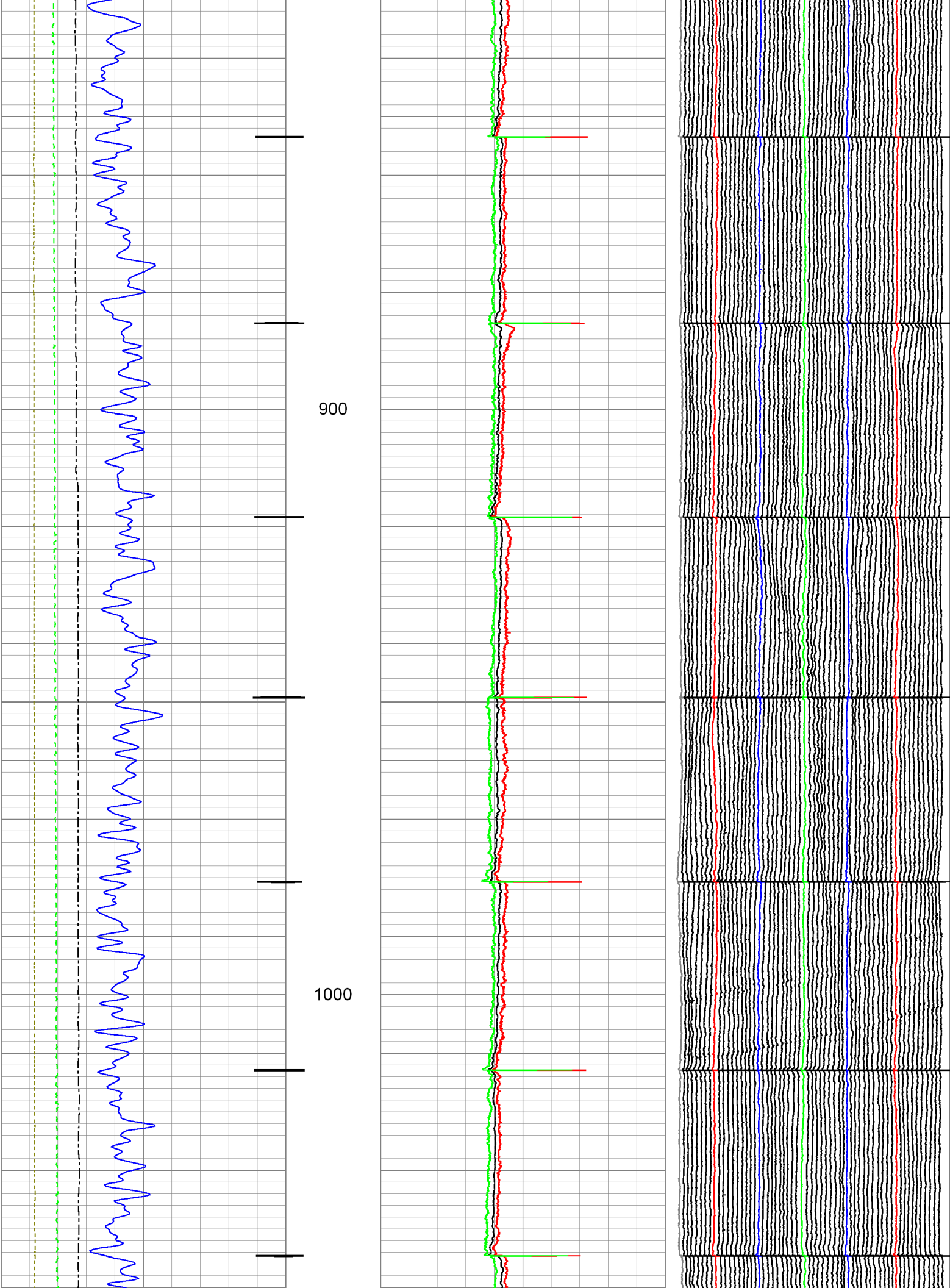
6	Average Diameter (in)	7	Caliper #10
6	Maximum Diameter (in)	7	Caliper #20
6	Minimum Diameter (in)	7	Caliper #30
			Caliper #40
			Caliper #50

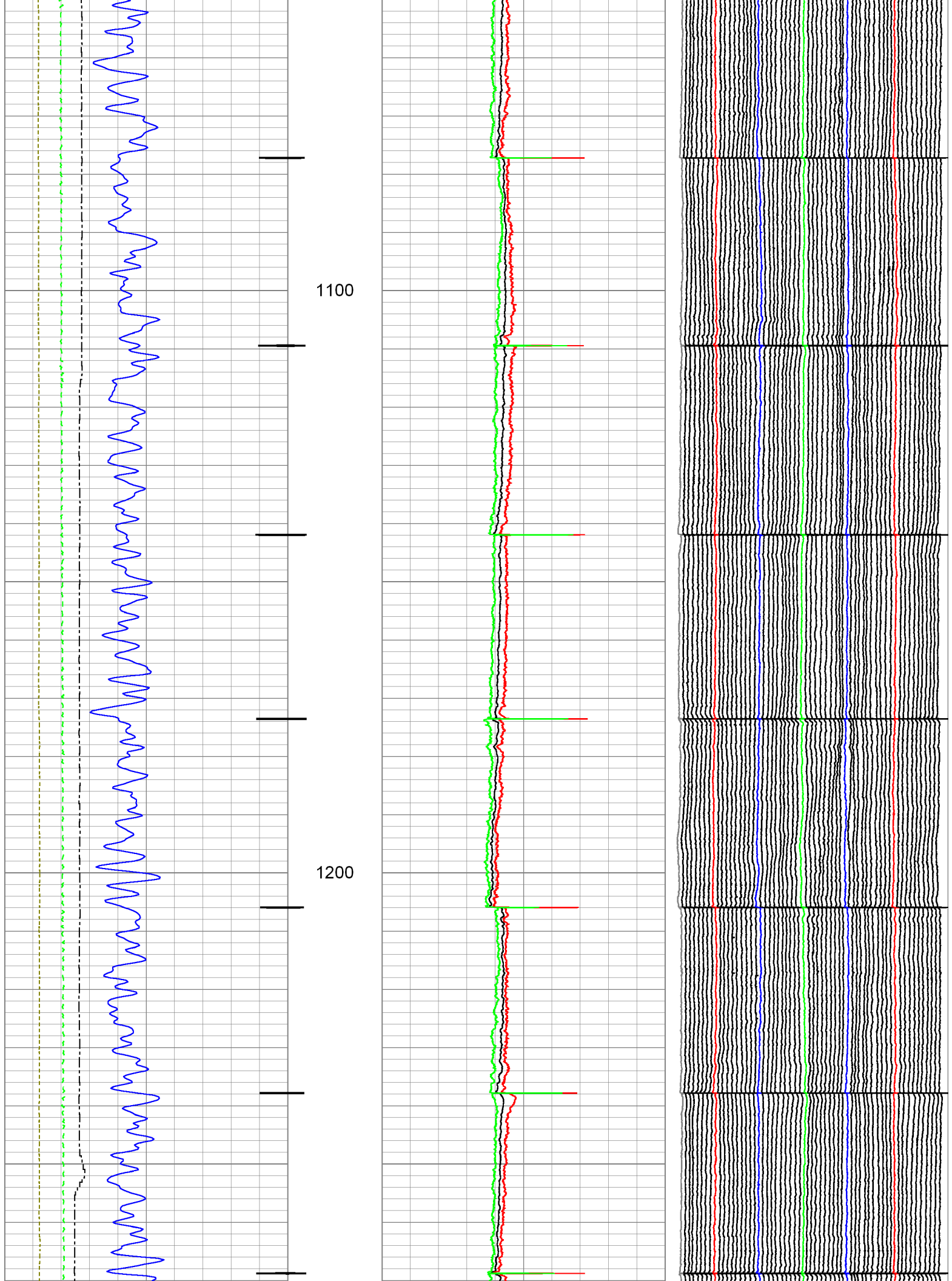


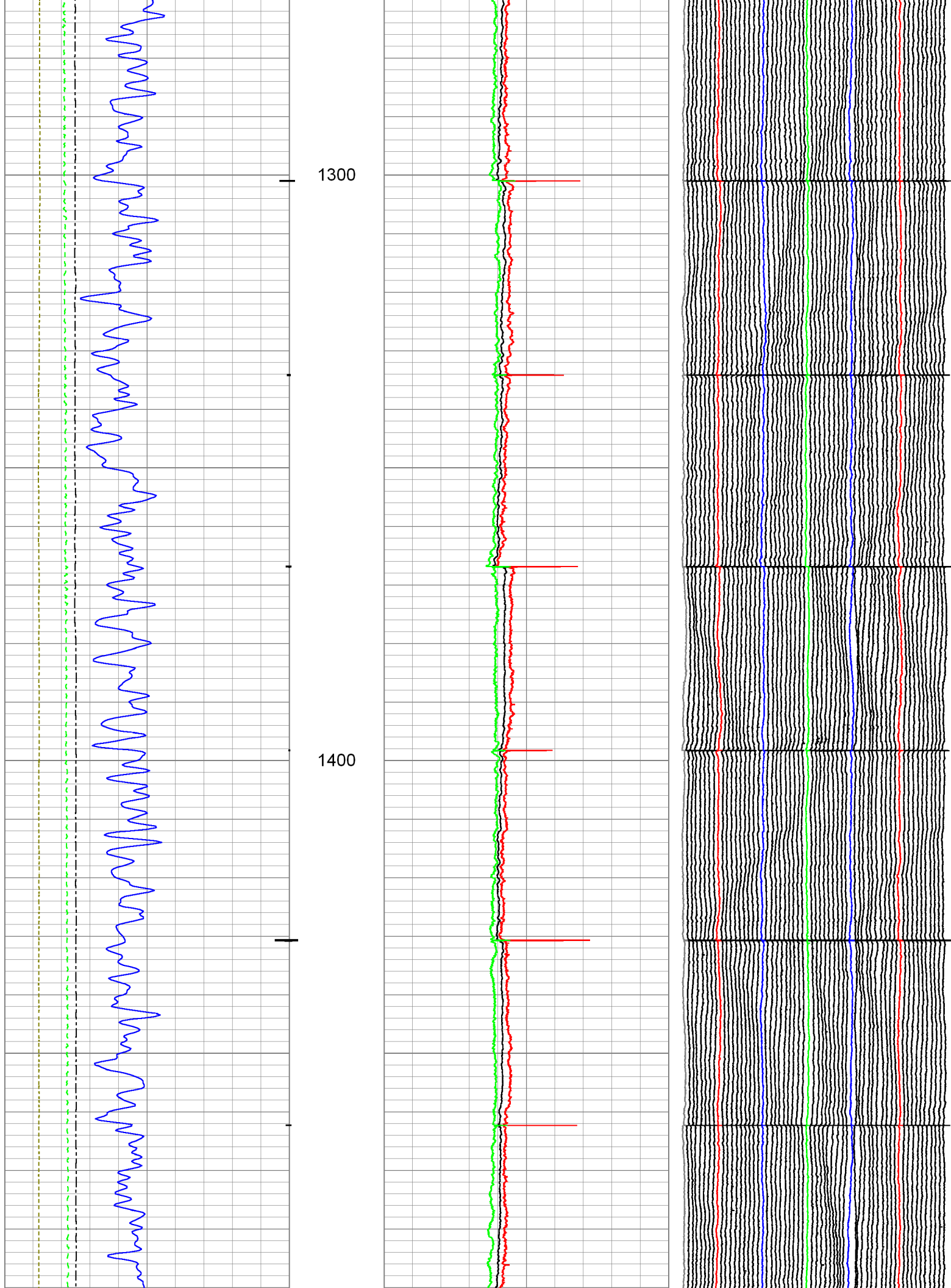


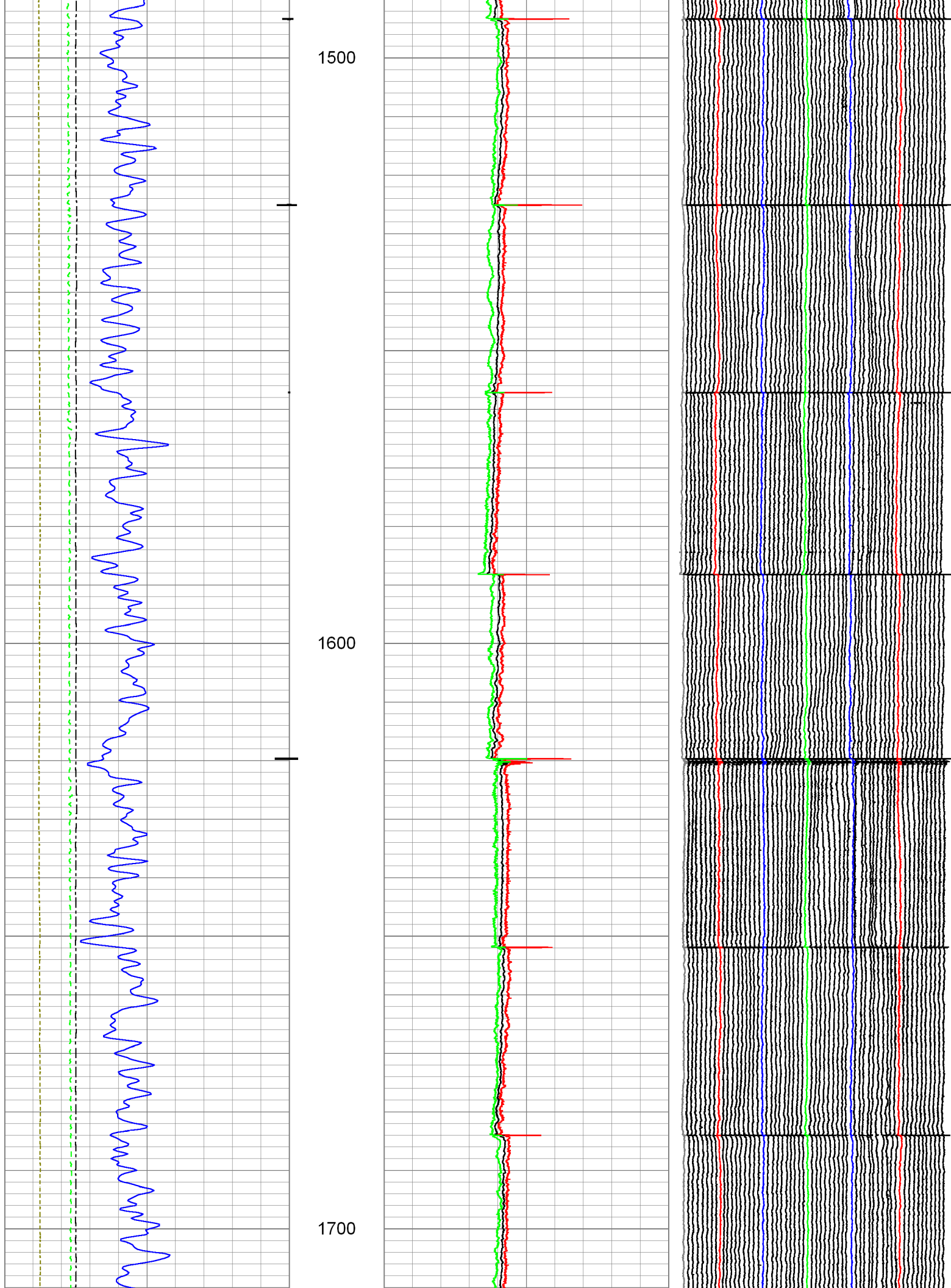


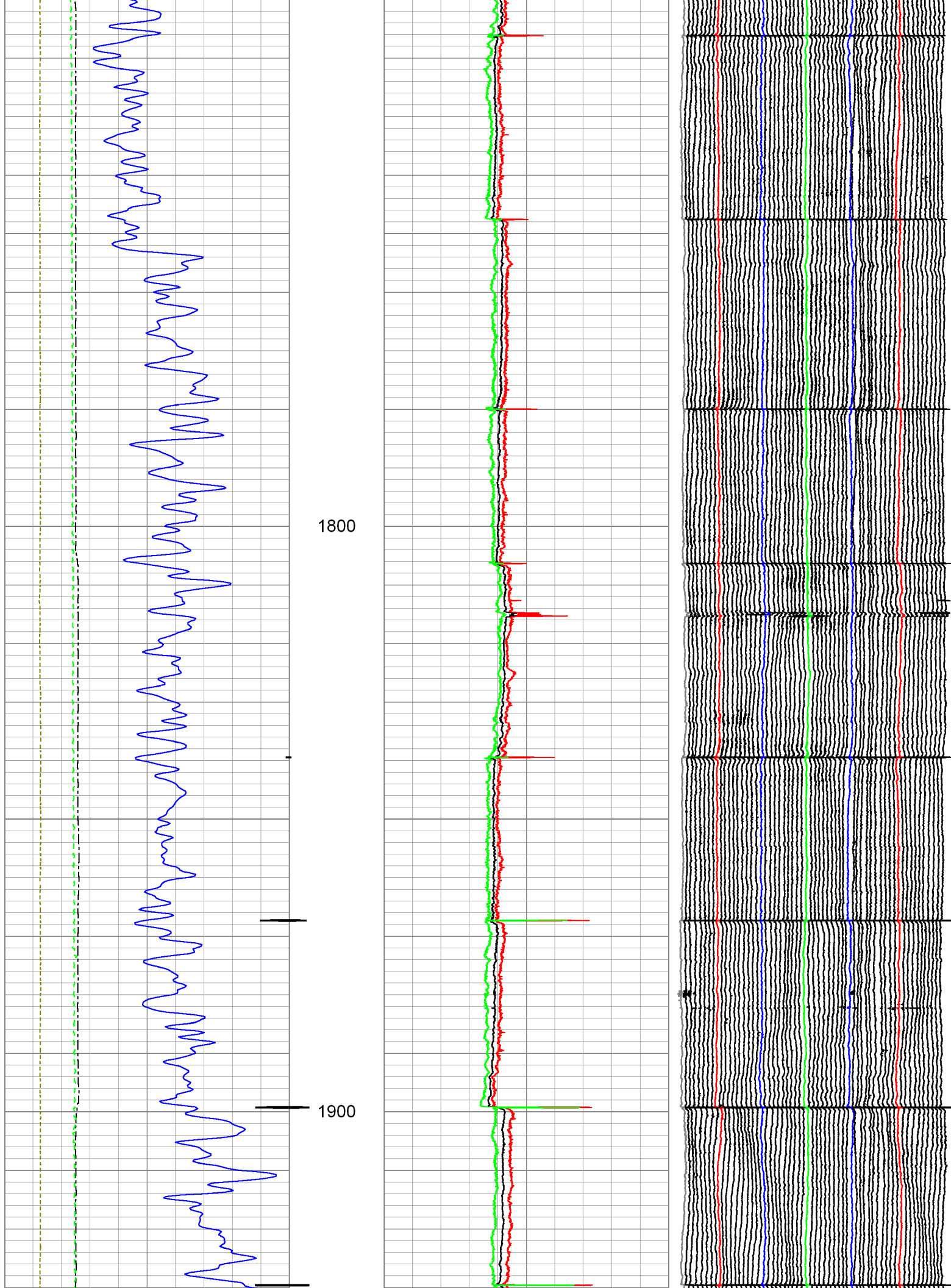


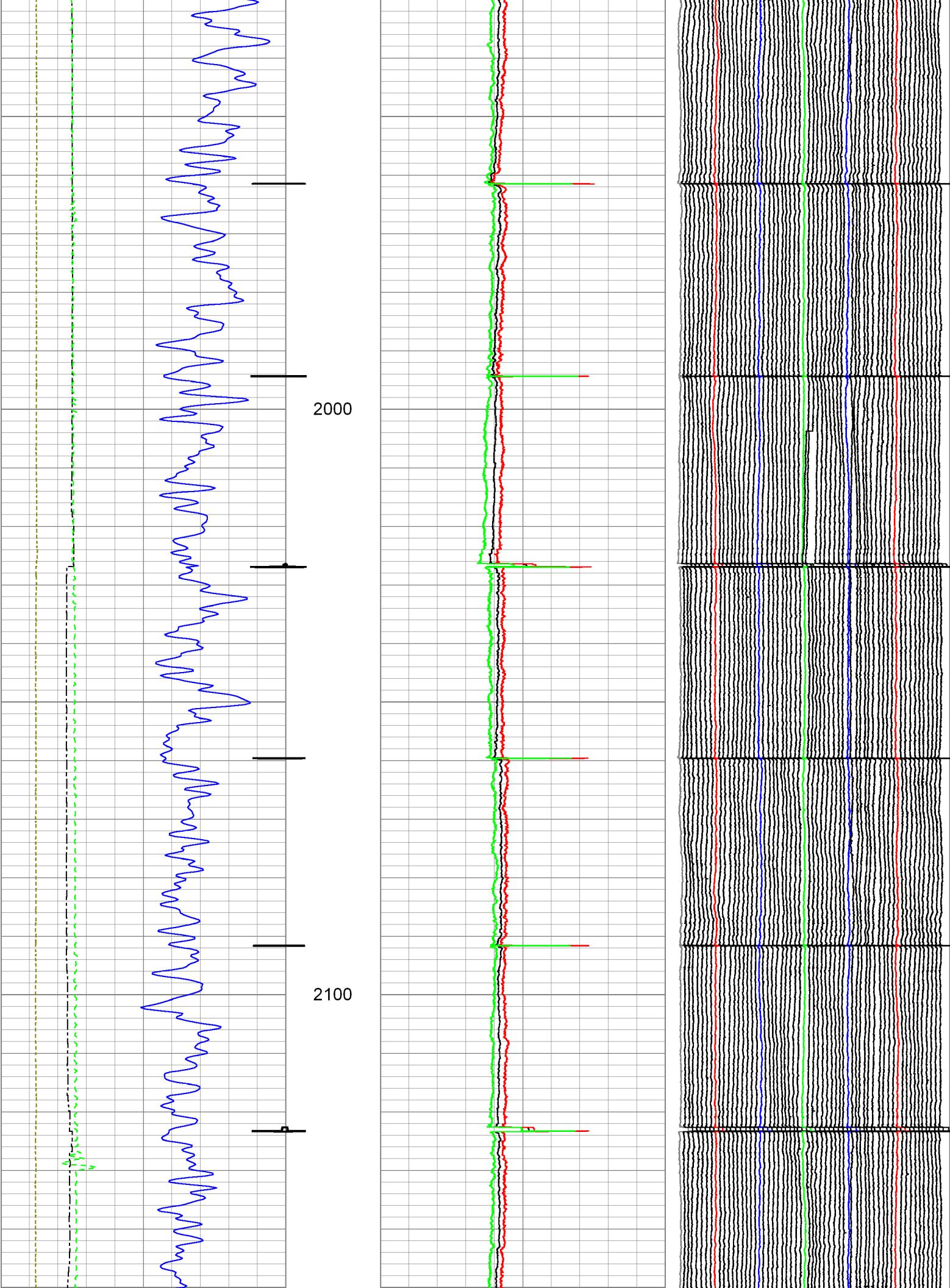


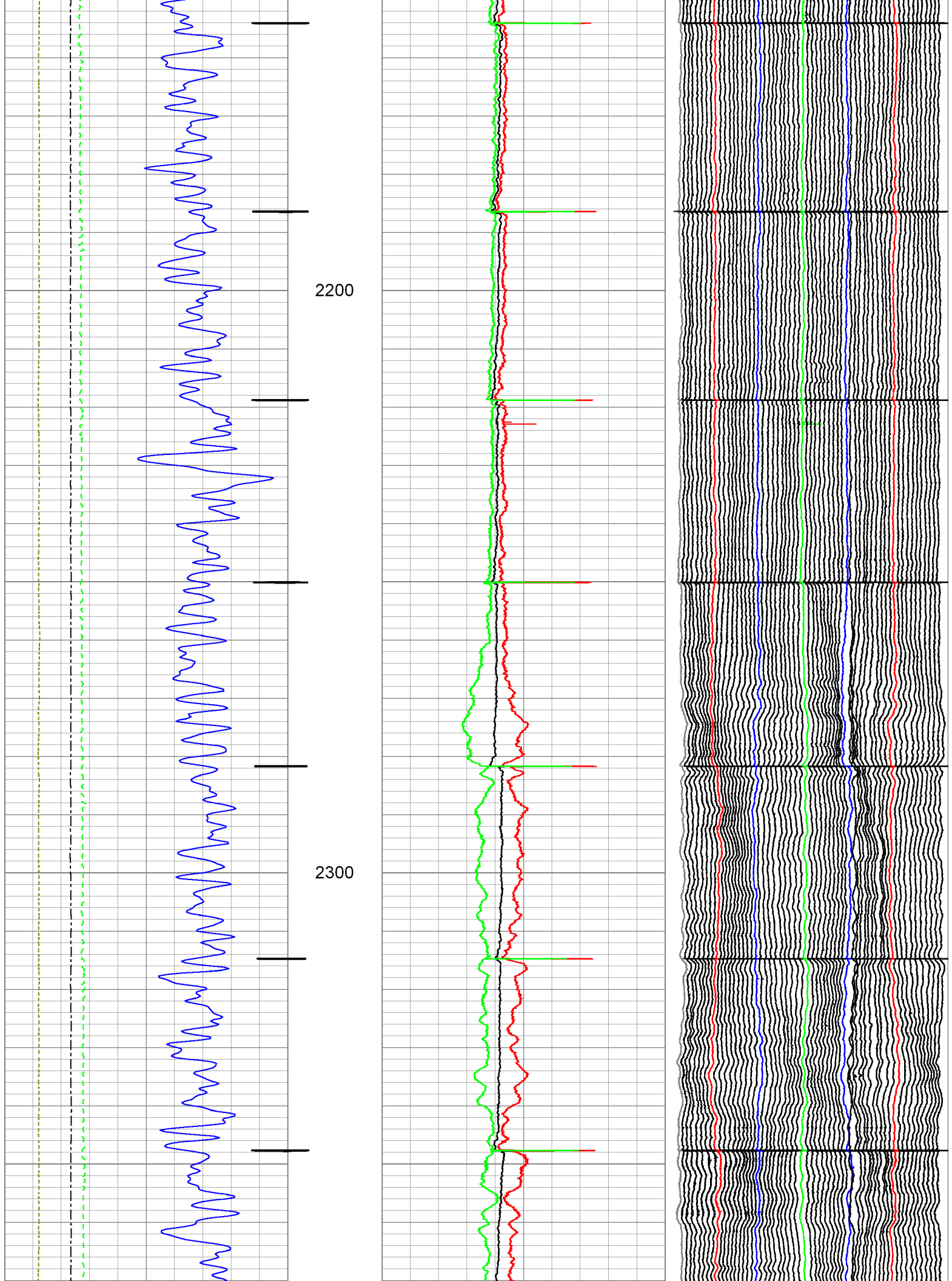


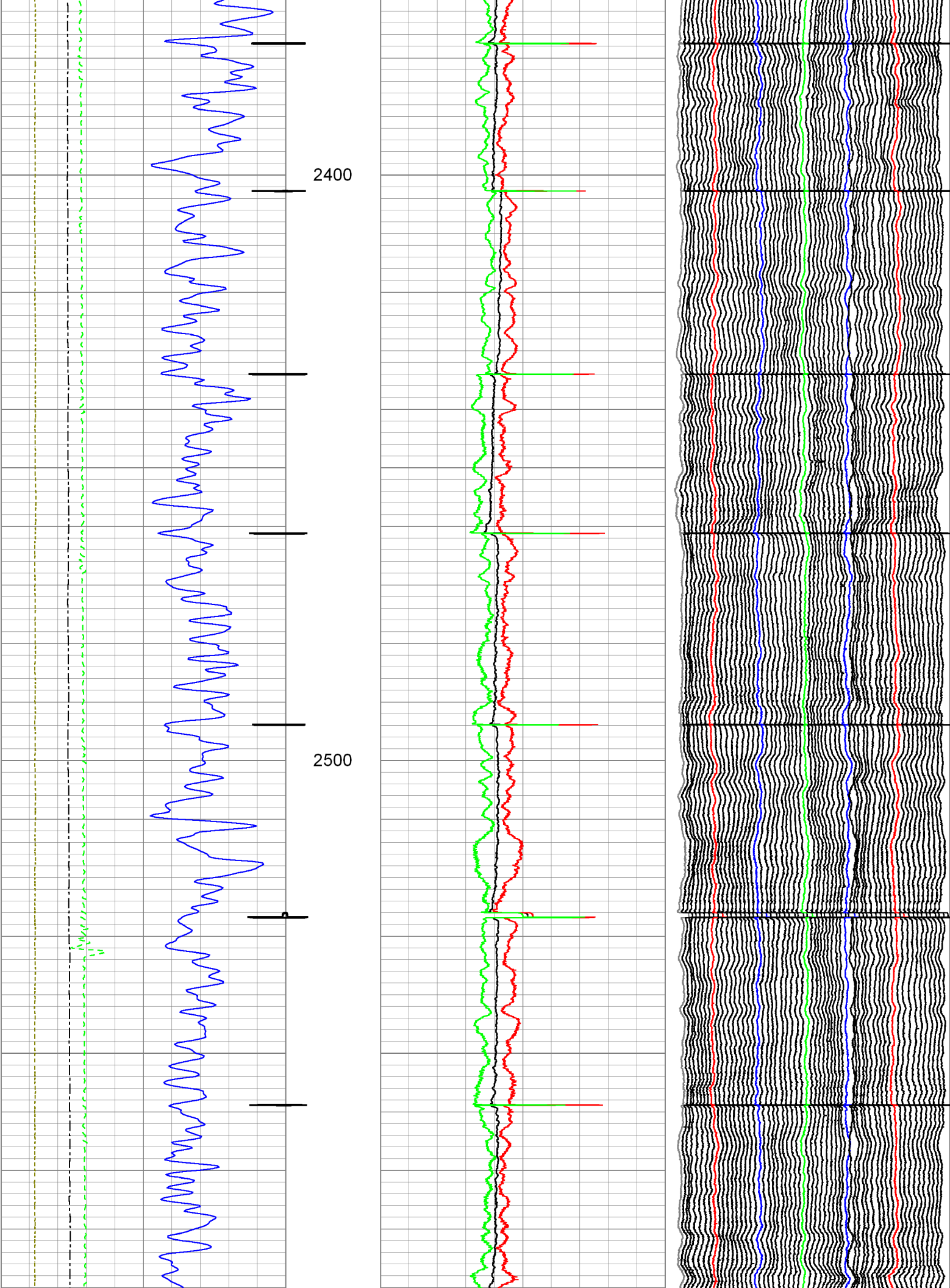


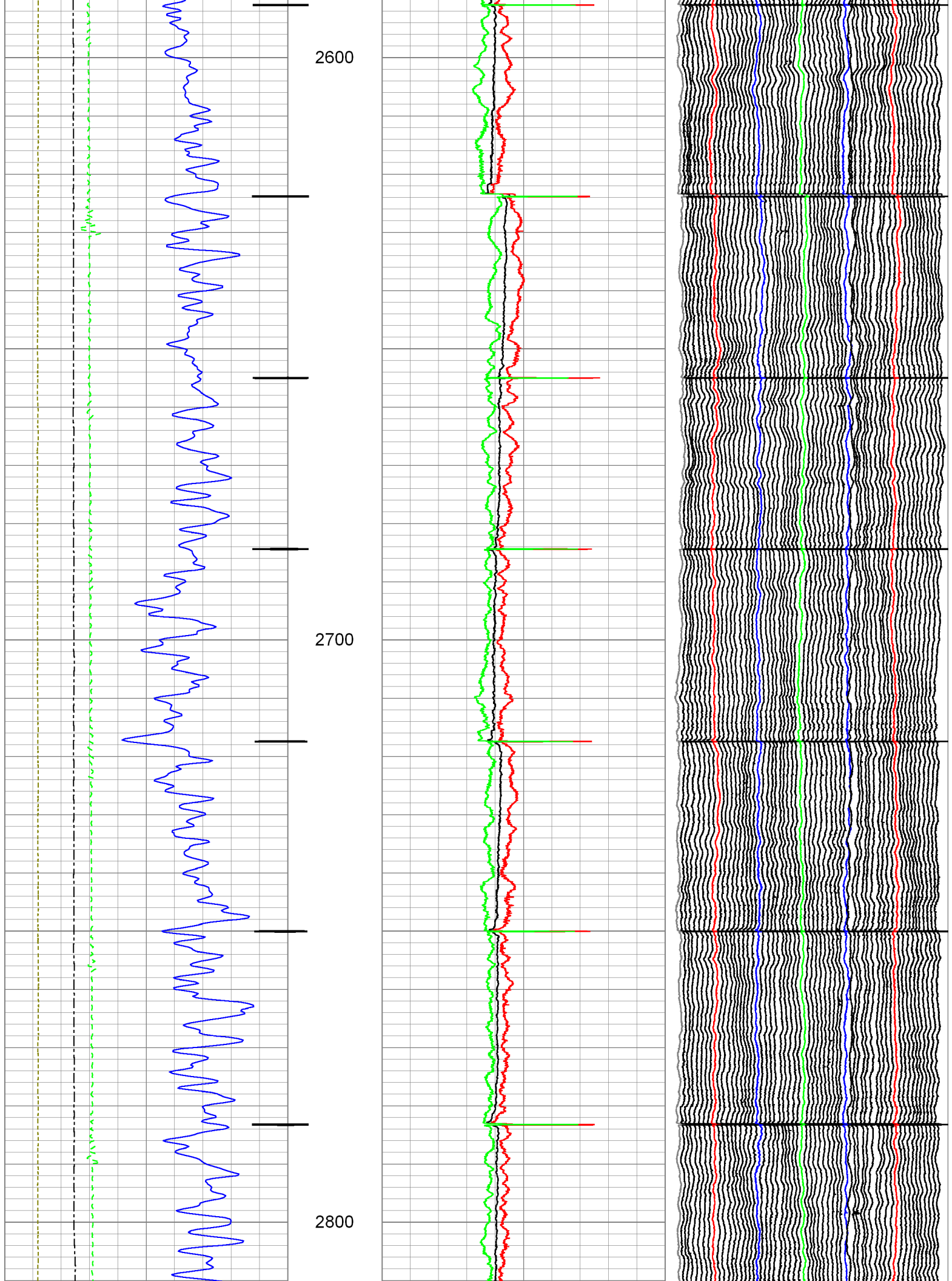


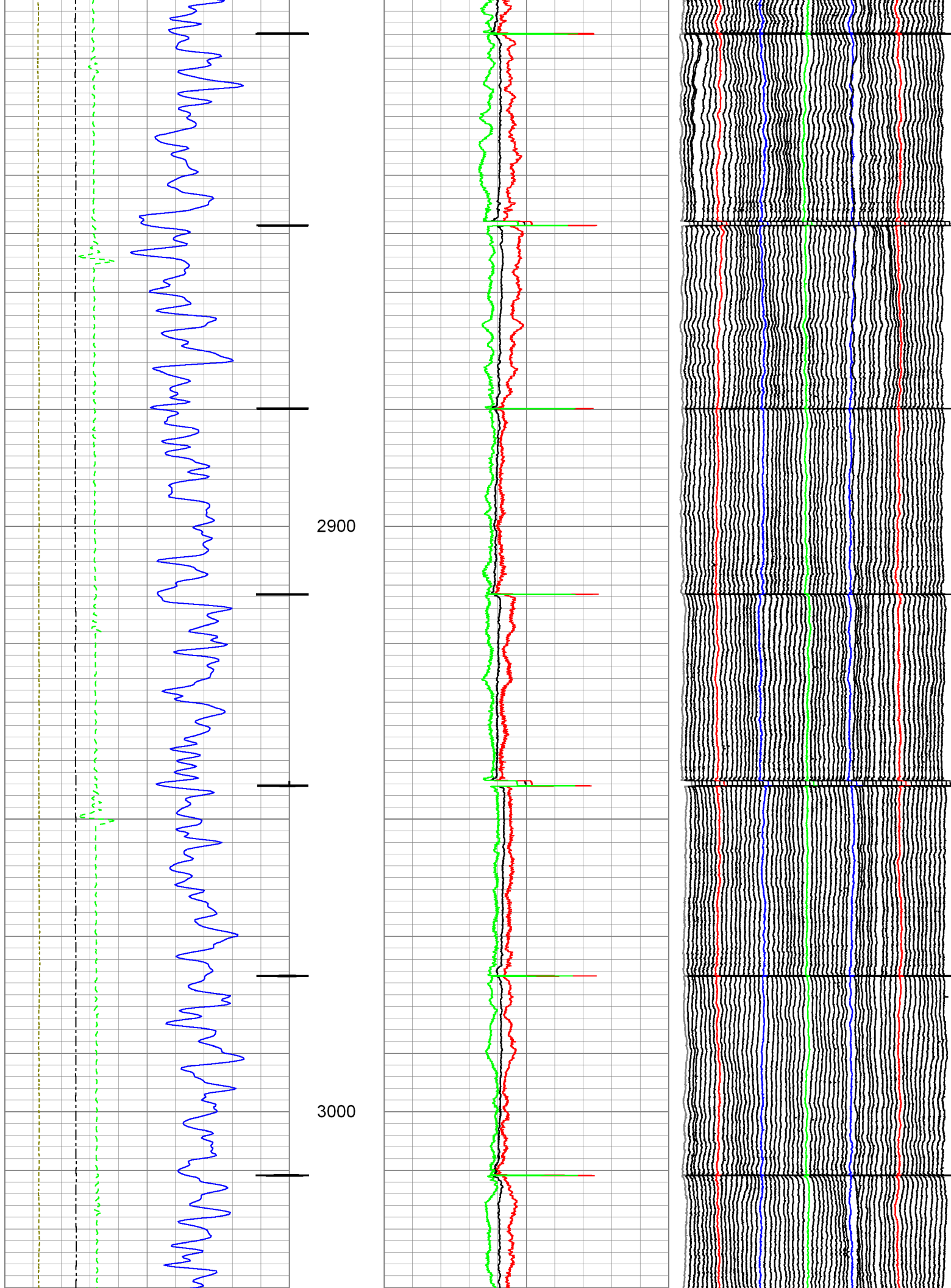


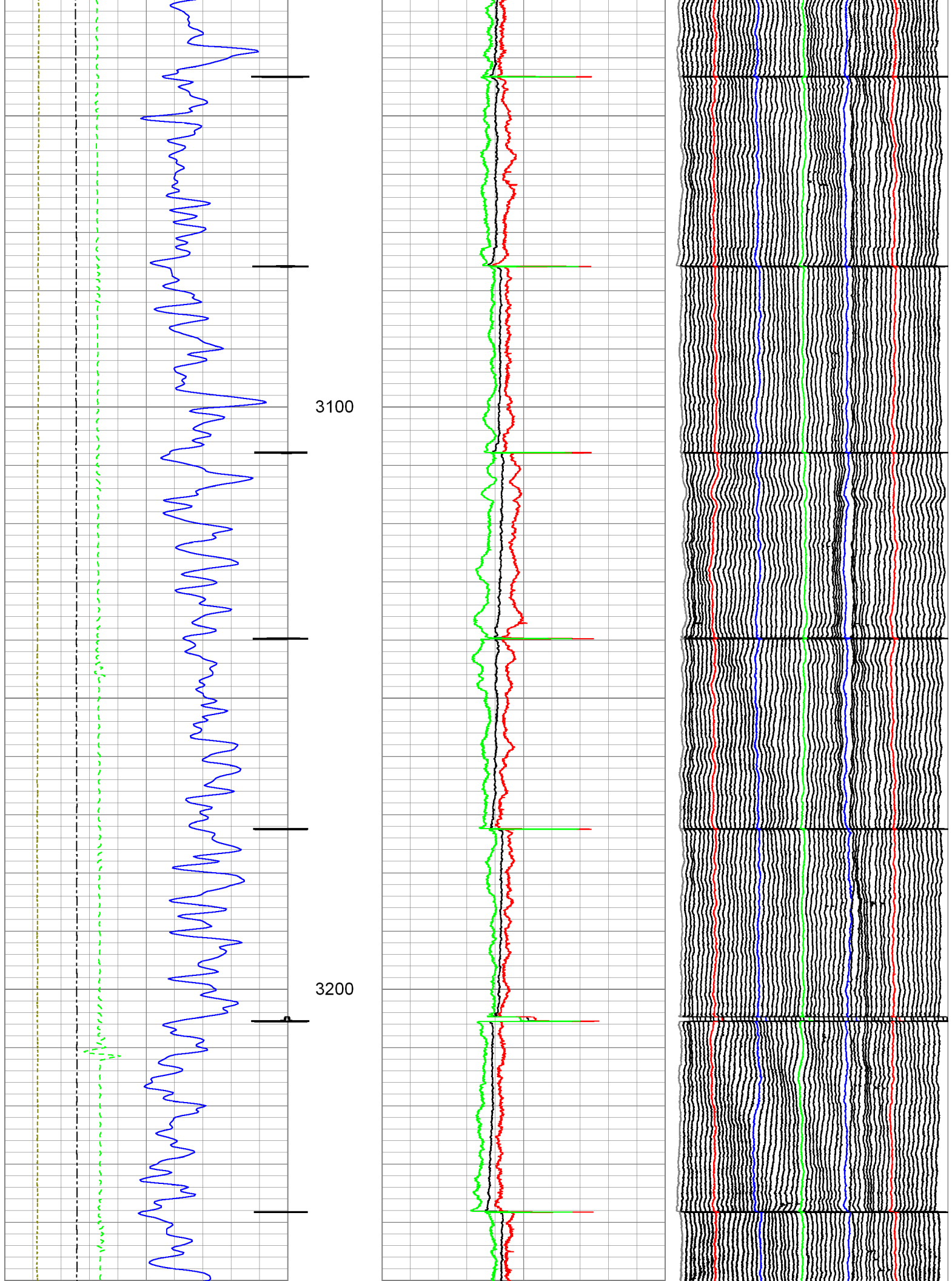


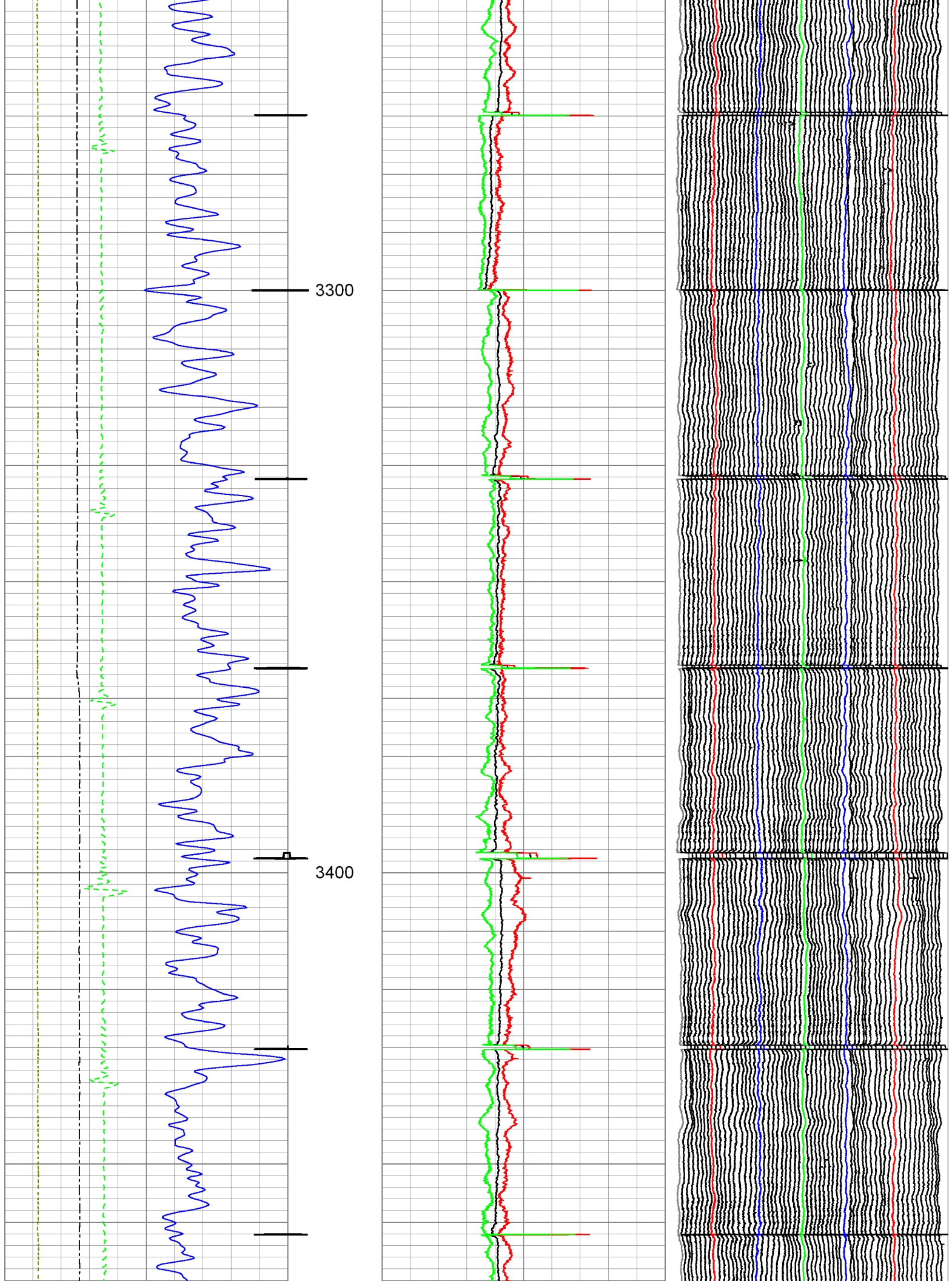


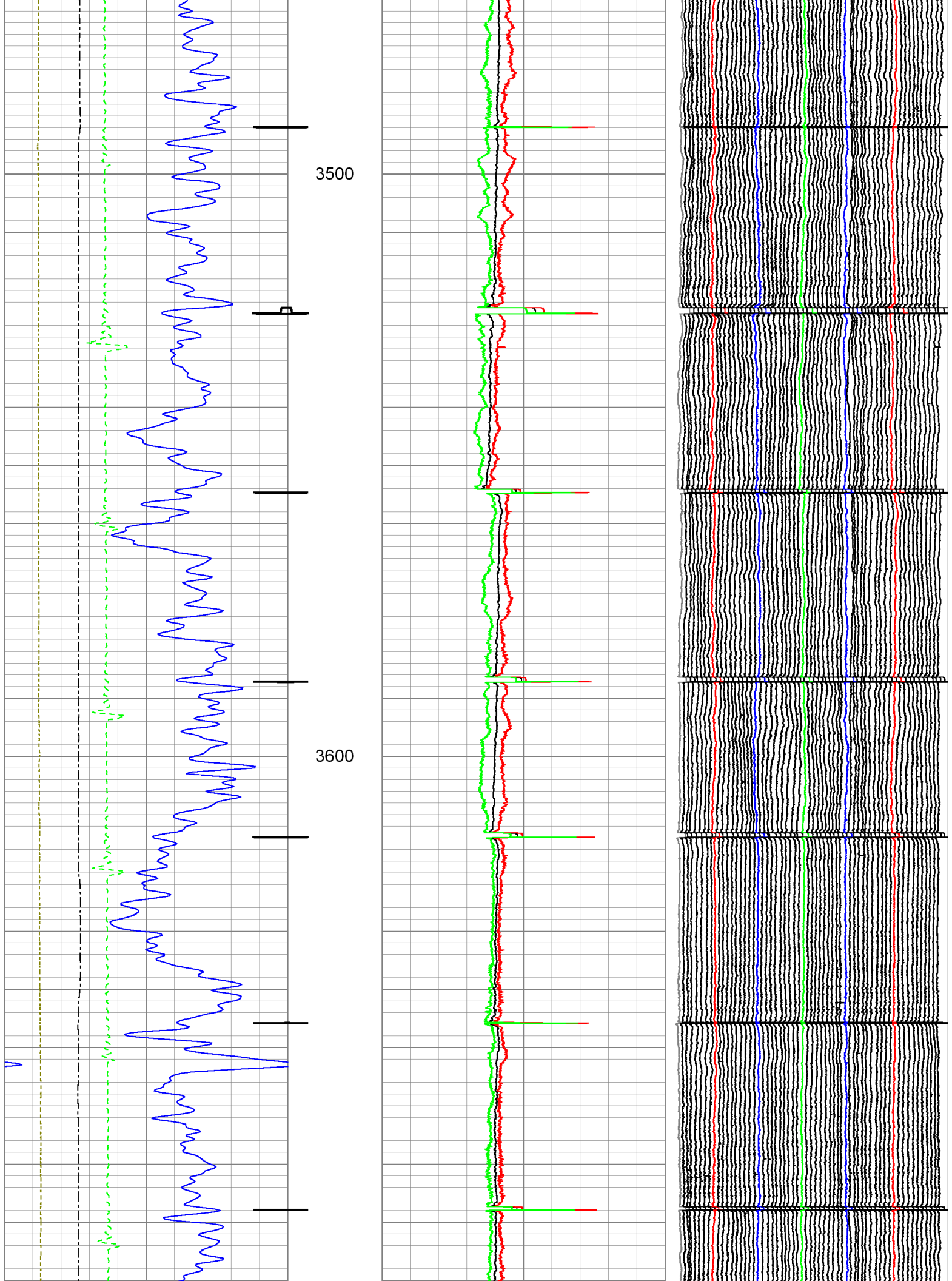


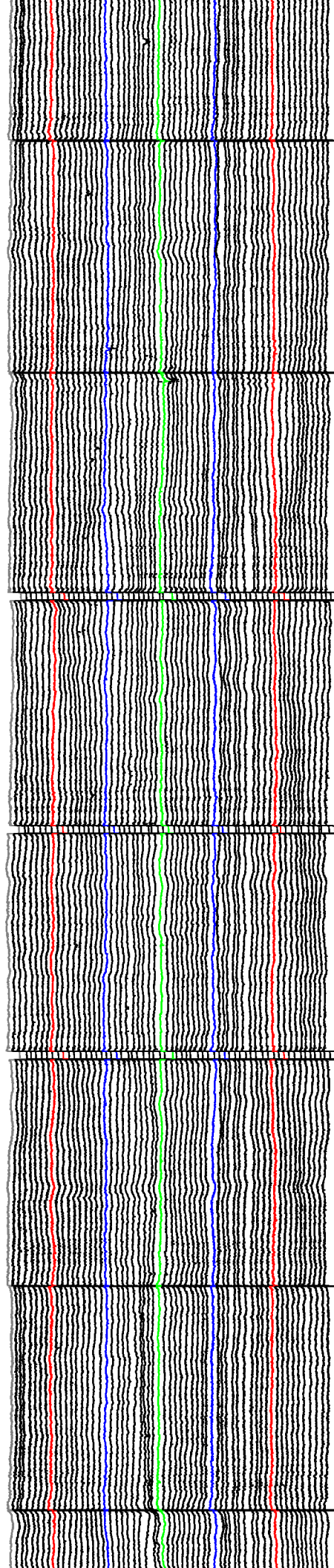
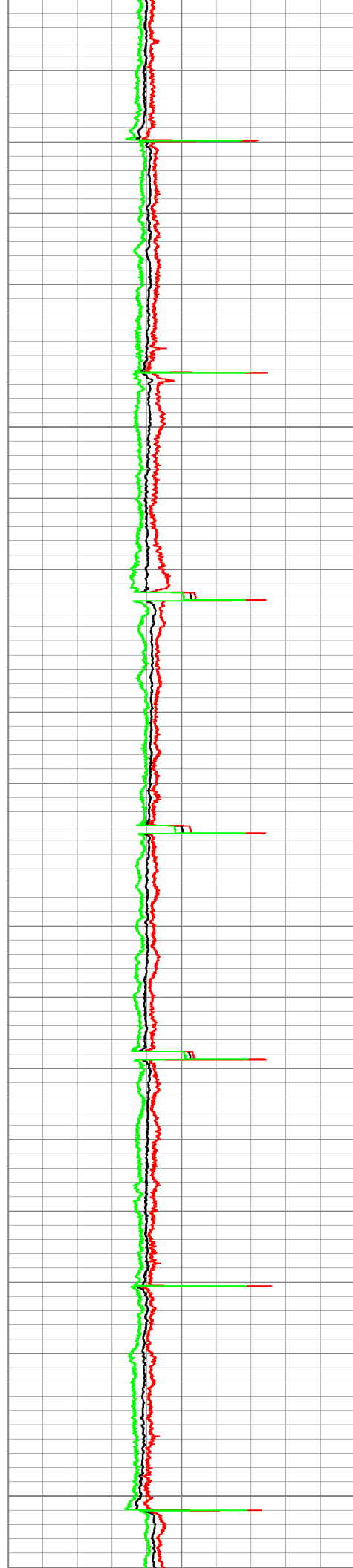
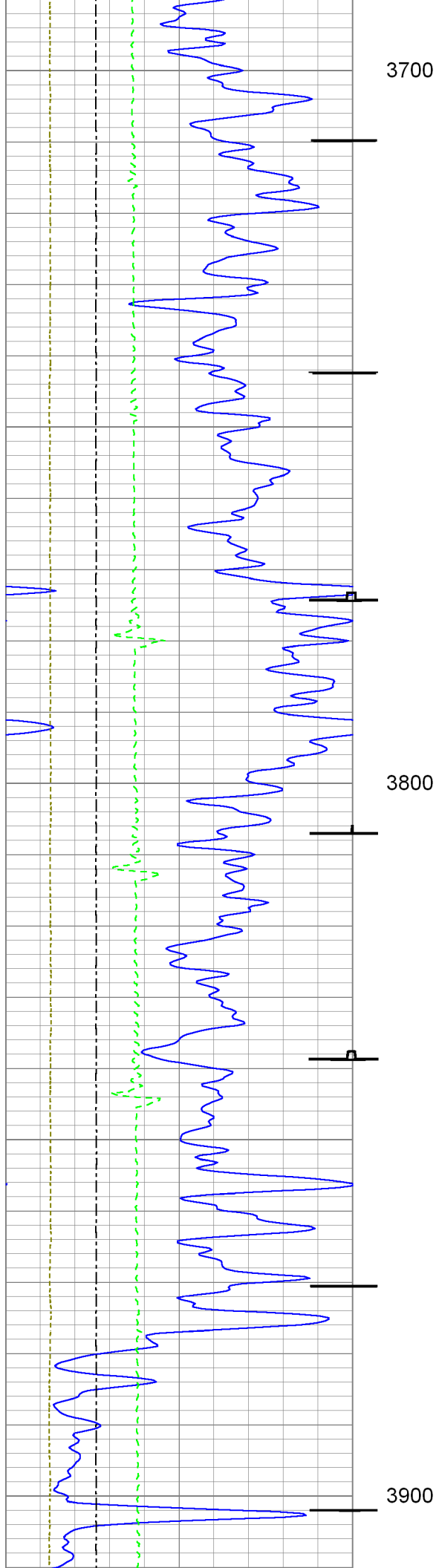


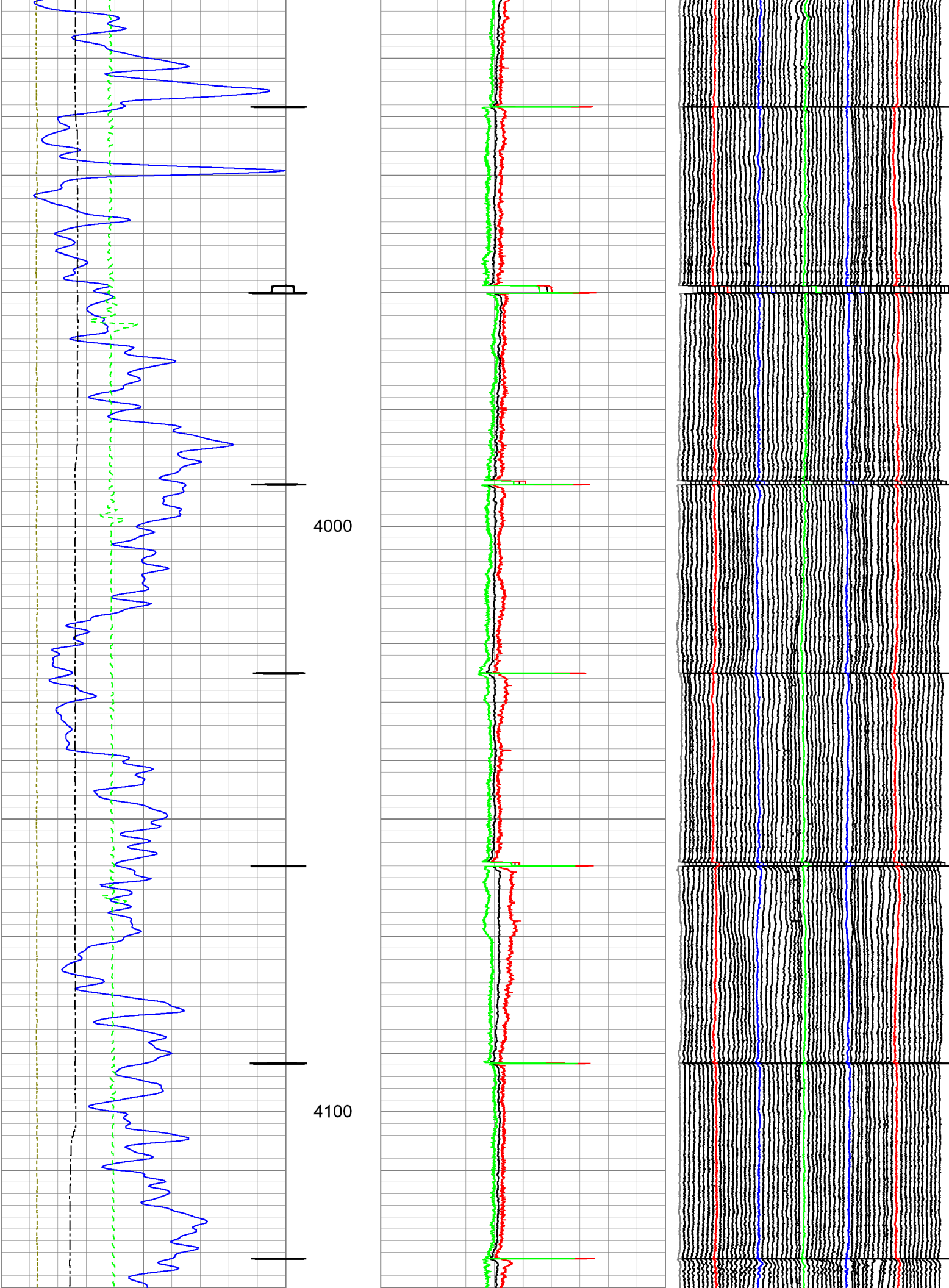


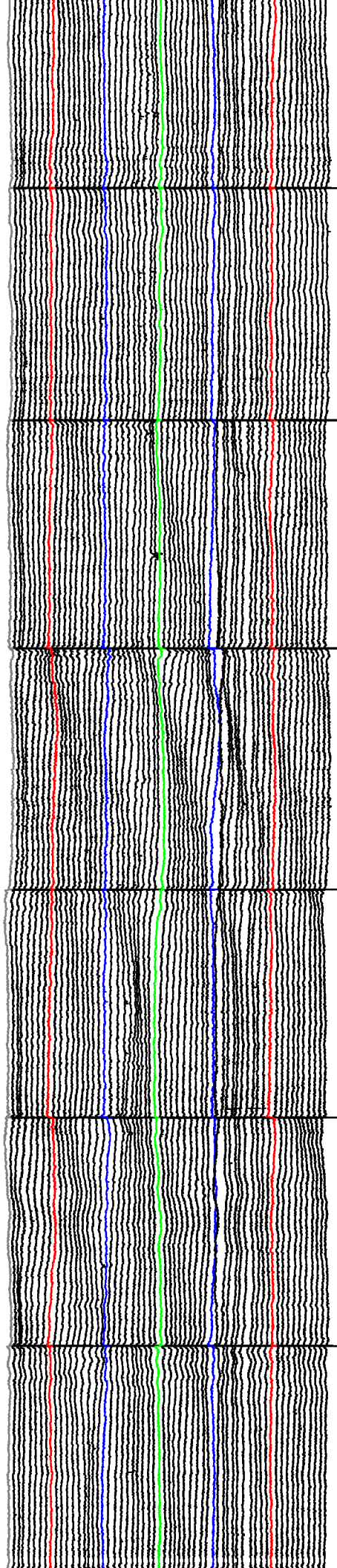
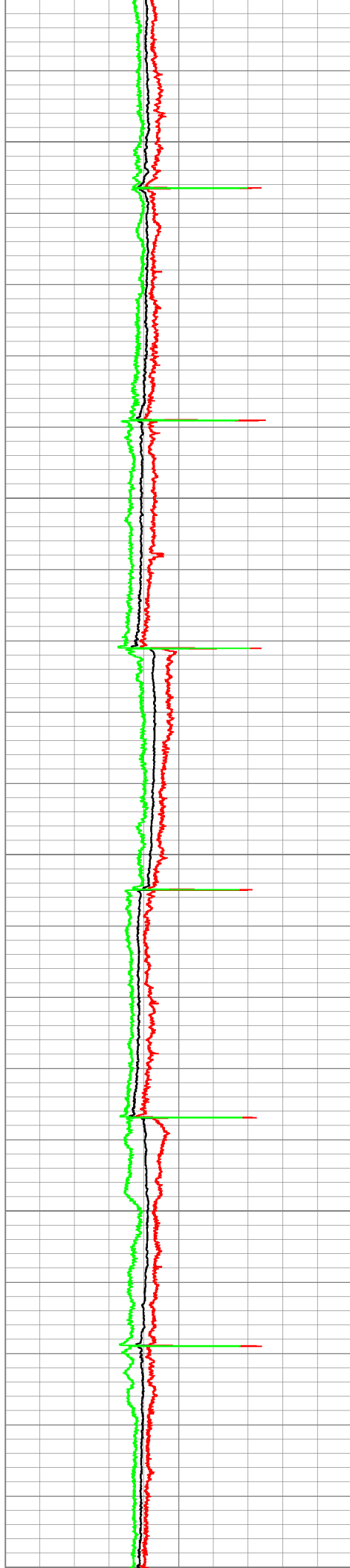
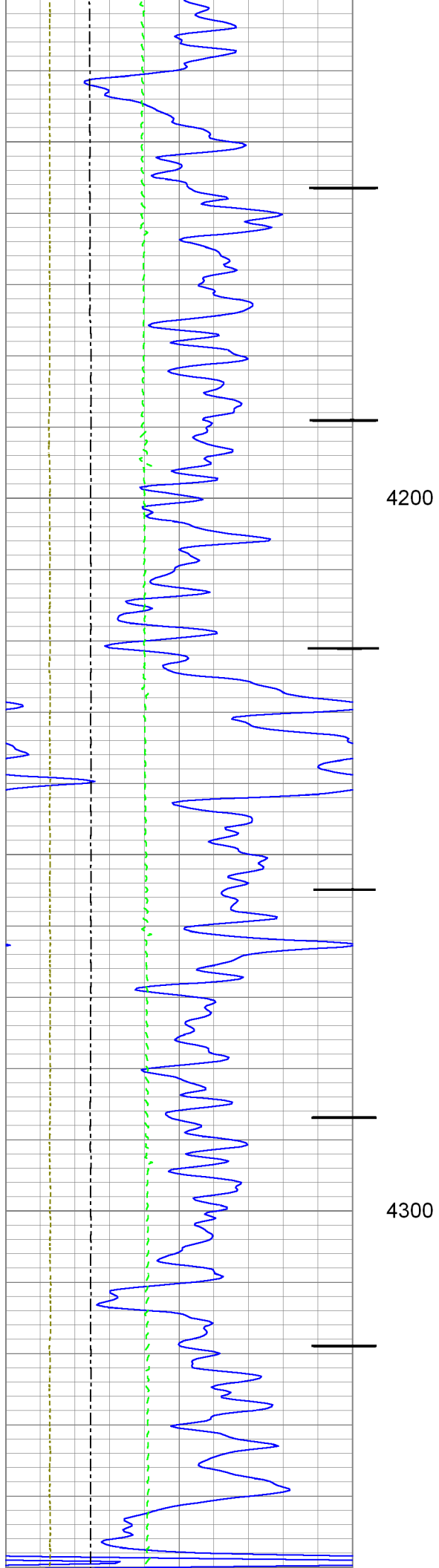


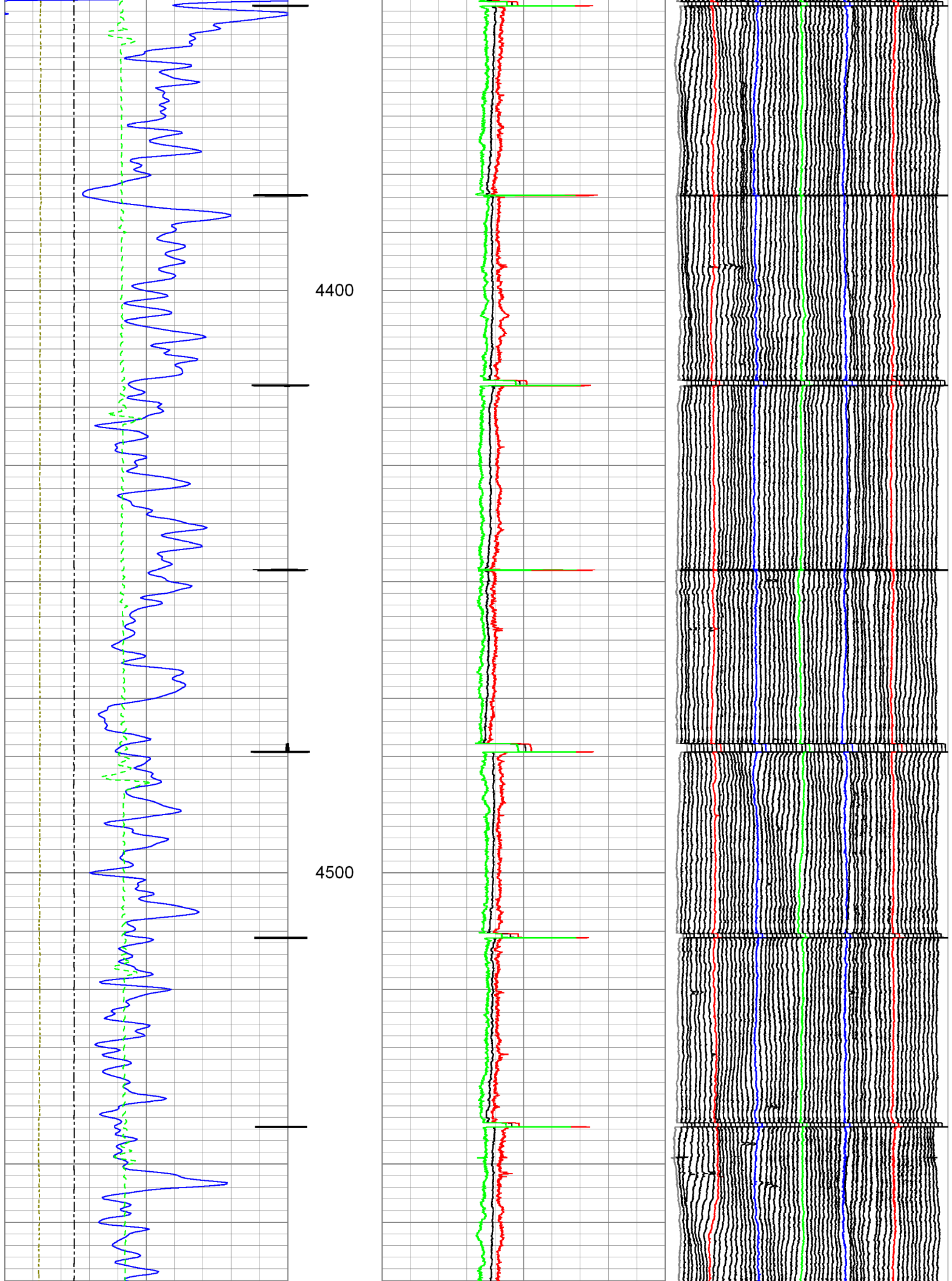


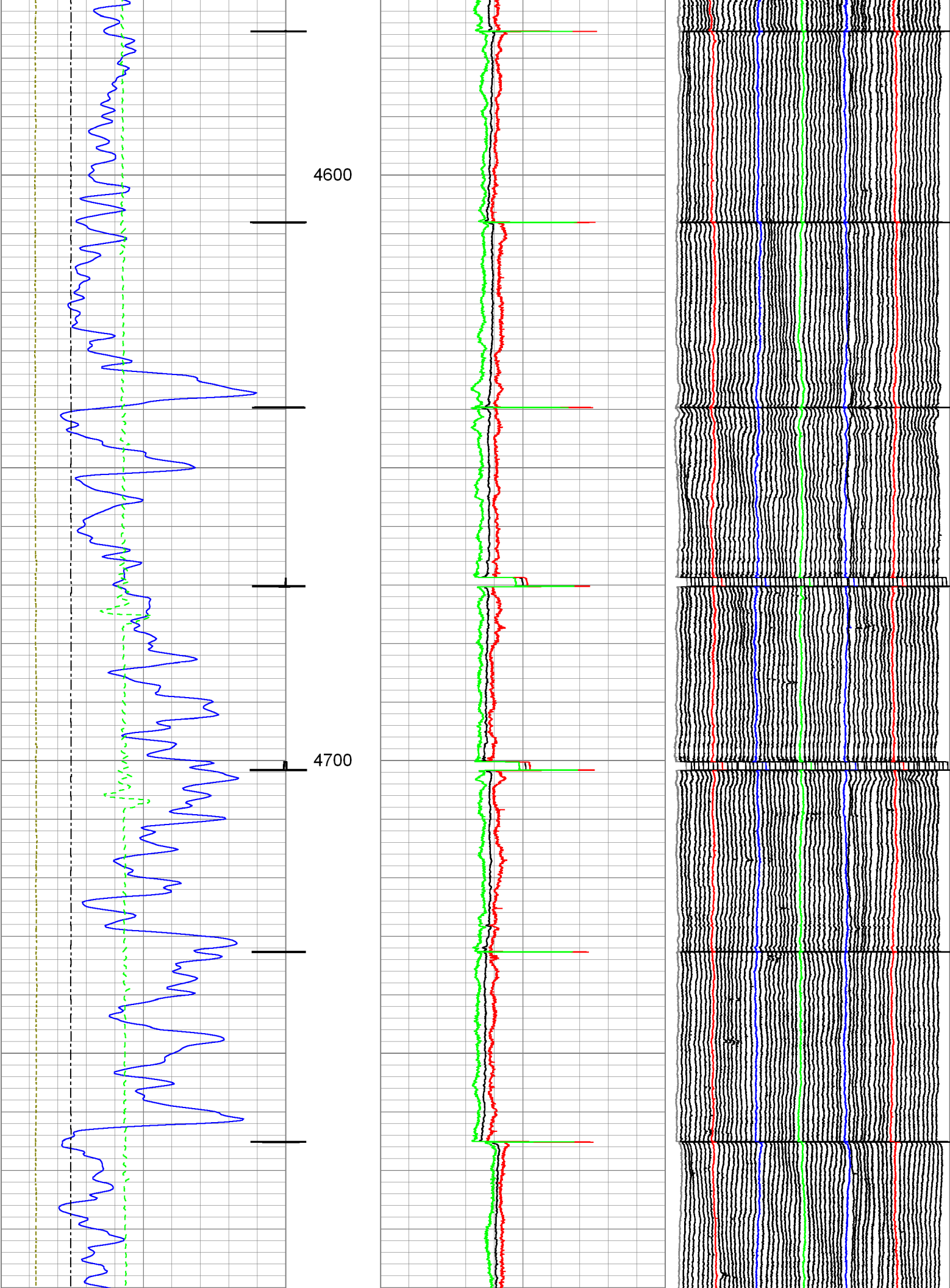


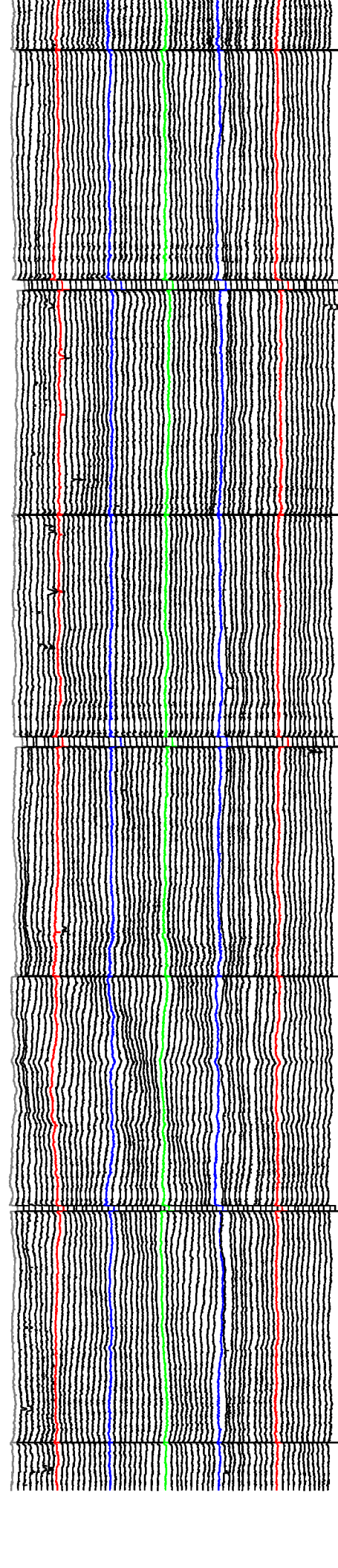
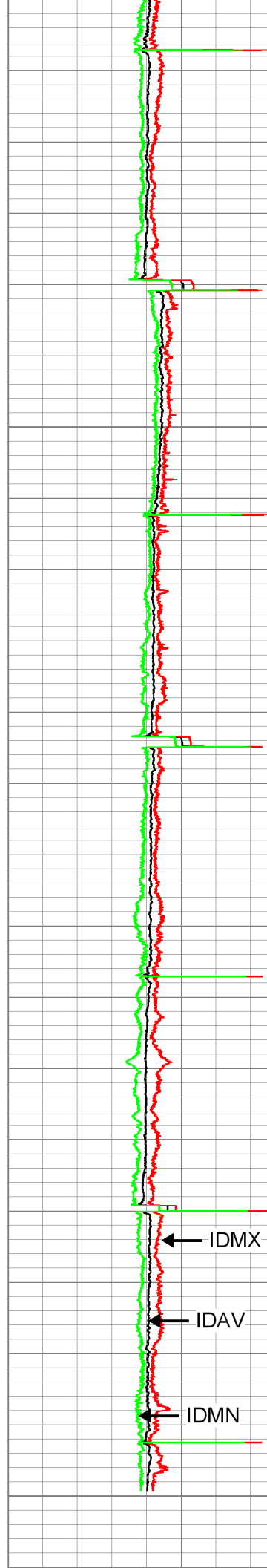
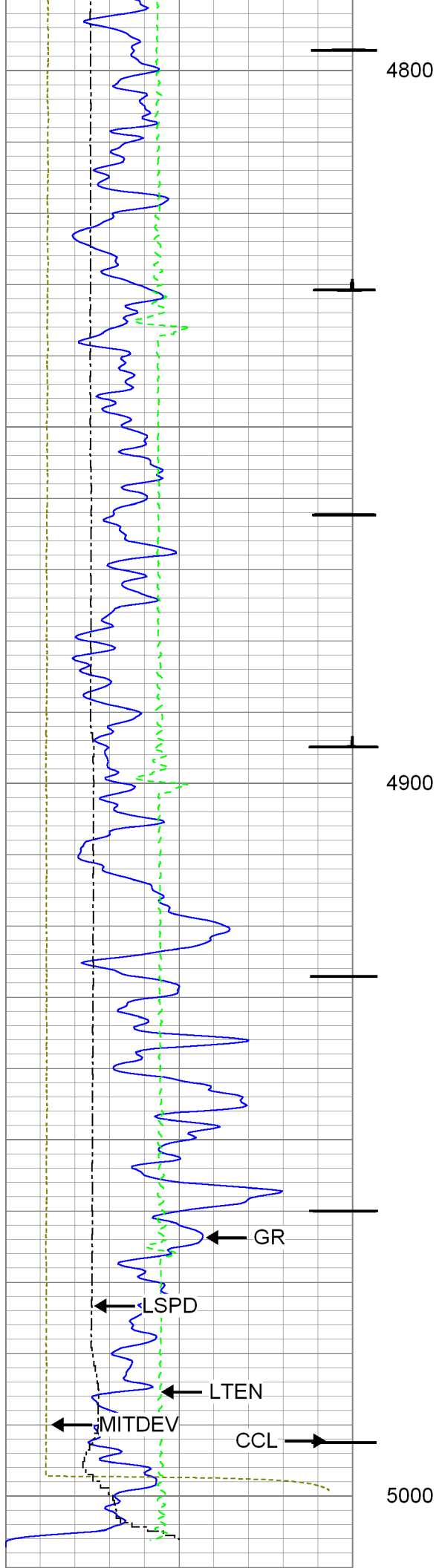













0	Gamma Ray (GAPI)	120
-100	Line Speed (ft/min)	100
-10	Deviation (°)	90
Casing Collar Locator		
0	Line Tension (lb)	2000

6	Average Diameter (in)	7	Caliper #10
6	Maximum Diameter (in)	7	Caliper #20
6	Minimum Diameter (in)	7	Caliper #30
			Caliper #40
			Caliper #50



Repeat Pass

Recorded with -0- Psi surface induced pressure

Database File: 03-18-15_chevron_beezley 2-22_mit_rbl.db

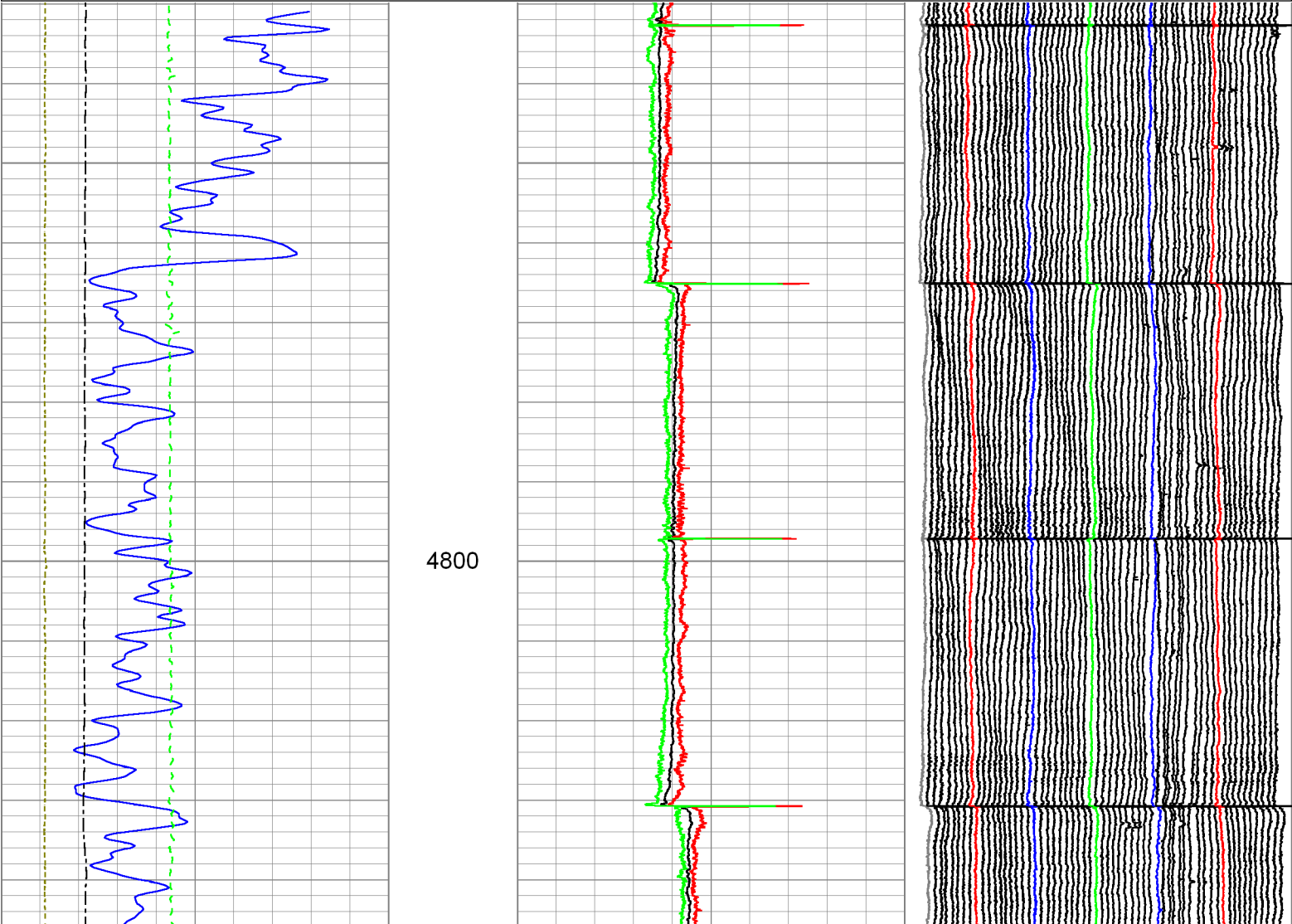
Dataset Pathname: mitrept1

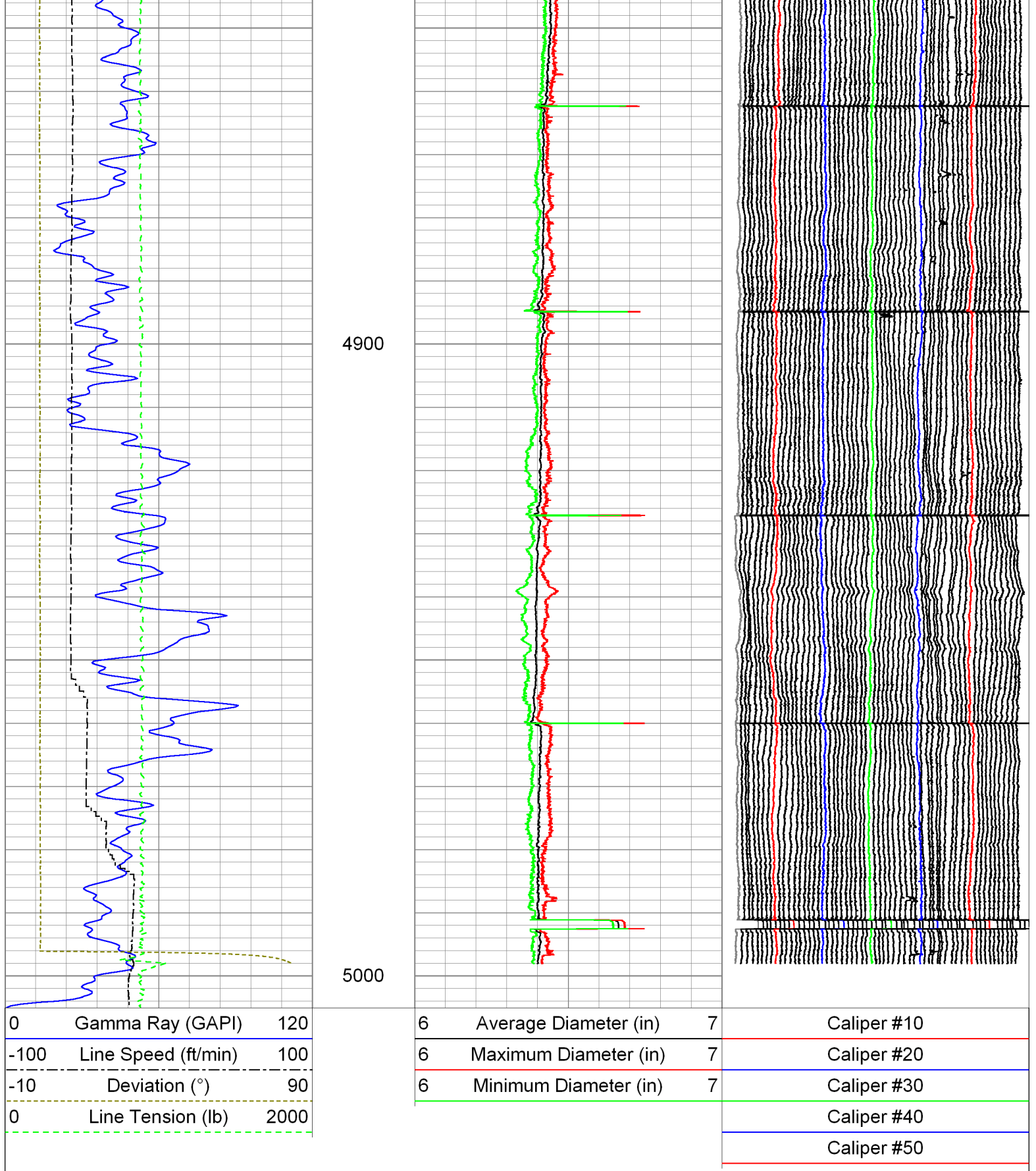
Presentation Format: 70mit60s

Dataset Creation: Thu Mar 19 07:29:14 2015

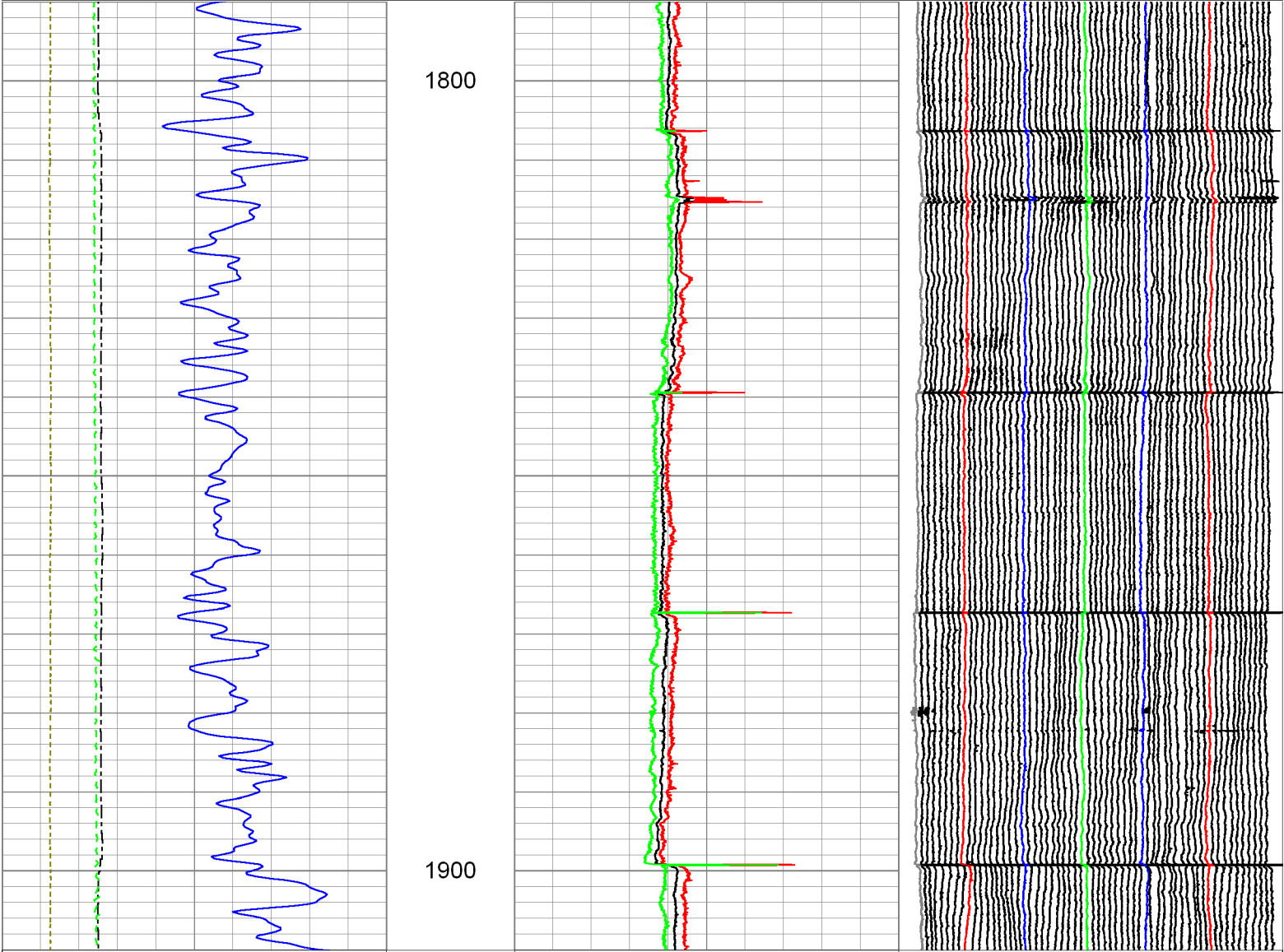
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	120	6	Average Diameter (in)	7	Caliper #10
-100	Line Speed (ft/min)	100	6	Maximum Diameter (in)	7	Caliper #20
-10	Deviation (°)	90	6	Minimum Diameter (in)	7	Caliper #30
0	Line Tension (lb)	2000				Caliper #40
						Caliper #50





0	Gamma Ray (GAPI)	120	6	Average Diameter (in)	7	Caliper #10
-100	Line Speed (ft/min)	100	6	Maximum Diameter (in)	7	Caliper #20
-10	Deviation (°)	90	6	Minimum Diameter (in)	7	Caliper #30
0	Line Tension (lb)	2000				Caliper #40
						Caliper #50



0	Gamma Ray (GAPI)	120	6	Average Diameter (in)	7	Caliper #10
-100	Line Speed (ft/min)	100	6	Maximum Diameter (in)	7	Caliper #20
-10	Deviation (°)	90	6	Minimum Diameter (in)	7	Caliper #30
0	Line Tension (lb)	2000				Caliper #40
						Caliper #50

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
Titan_Electric_C15.09_Heads			T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
UW_AGS	14.06		UW_AGS-UW_AGS_001 (218848) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTH-UW_XTH_002 (10017100) Sondex Adapter - GO Box to Sondex Pin	1.50	1.30	2.50

				UW_XIU-UW_XIU_002 (10017430) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
DSS	12.27			DSS-2-3/4" (RAC.20.085SX) DSS 2-3/4" 5 Arm Centralizer W\ Sondex Ends	2.55	2.75	
MIT	6.93			UW_MIT-UW_MIT60_029 (10018255) 60 Multifinger Imaging Tool	5.02	4.00	90.00
DSS	4.70			DSS #2 -2-3/4" (RAC.20.086SX) DSS 2-3/4" 5 Arm Centralizer W\ Sondex Ends	2.55	2.75	
GR	0.72			UW_PGR-UW_PGR_020 (10019072) Production Gamma Ray	1.93	1.69	9.50
UW_BUL	0.22			UW_BUL-UW_BUL_006 (10019728) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00						
Dataset: 03-18-15_chevron_beezley 2-22_mit_rbl.db: field/well/run1/merge1 Total Length: 15.09 ft Total Weight: 112.20 lb O.D. 4.00 in							

Calibration Report Database File: 03-18-15_chevron_beezley 2-22_mit_rbl.db Dataset Pathname: merge1 Dataset Creation: Wed Mar 18 17:53:20 2015	
Gamma Ray Calibration Report	

Serial Number:	10019072	
Tool Model:	UW_PGR_020	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Multi-finger Imaging Tool Calibration Report
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Serial Number:	10018255
Number of Fingers:	60
Tool Model:	UW_MIT60_029

Inclinometer Calibration Report			
Performed:		Thu Mar 13 15:38:58 2014	
Calibration Angle:		45	
		Inc X	Inc Y
Vertical:		1979	1971
Finger 1 up:		1791	2232
Finger 46 up:		1714	1788
Finger 31 up:		2166	1699
Finger 16 up:		2241	2155
Sensitivity ratio:		0.999494	
X-axis angle:		235.008	
Deviation const.:		323.401	

Finger Calibration Report											
Performed:						Wed Mar 18 15:48:24 2015					
Ring size:	5.75	6	6.25	6.5	6.75	7					
(in)											
	Sens	Sens	Sens	Sens	Sens						
Finger 01:	1570	396.0	1669	392.0	1767	412.0	1870	408.0	1972	400.0	2072
Finger 02:	1563	404.0	1664	404.0	1765	420.0	1870	408.0	1972	400.0	2072
Finger 03:	1553	416.0	1657	412.0	1760	428.0	1867	424.0	1973	416.0	2077
Finger 04:	1566	396.0	1665	400.0	1765	408.0	1867	408.0	1969	392.0	2067
Finger 05:	1537	420.0	1642	432.0	1750	436.0	1859	436.0	1968	420.0	2073
Finger 06:	1551	408.0	1653	412.0	1756	428.0	1863	420.0	1968	412.0	2071
Finger 07:	1552	404.0	1653	404.0	1754	420.0	1859	416.0	1963	400.0	2063
Finger 08:	1550	392.0	1648	404.0	1749	412.0	1852	412.0	1955	396.0	2054
Finger 09:	1552	400.0	1652	408.0	1754	416.0	1858	412.0	1961	400.0	2061
Finger 10:	1559	384.0	1655	392.0	1753	404.0	1854	400.0	1954	384.0	2050
Finger 11:	1536	384.0	1632	400.0	1732	408.0	1834	404.0	1935	396.0	2034
Finger 12:	1533	400.0	1633	404.0	1734	416.0	1838	412.0	1941	404.0	2042
Finger 13:	1525	396.0	1624	412.0	1727	424.0	1833	416.0	1937	412.0	2040
Finger 14:	1542	380.0	1637	400.0	1737	404.0	1838	404.0	1939	400.0	2039
Finger 15:	1523	392.0	1621	416.0	1725	412.0	1828	412.0	1931	408.0	2033
Finger 16:	1520	392.0	1618	408.0	1720	412.0	1823	408.0	1925	408.0	2027
Finger 17:	1513	392.0	1611	420.0	1716	416.0	1820	420.0	1925	416.0	2029
Finger 18:	1501	400.0	1601	424.0	1707	420.0	1812	428.0	1919	428.0	2026
Finger 19:	1547	368.0	1639	392.0	1737	392.0	1835	396.0	1934	388.0	2031
Finger 20:	1485	404.0	1586	444.0	1697	436.0	1806	440.0	1916	448.0	2028
Finger 21:	1533	376.0	1627	396.0	1726	400.0	1826	404.0	1927	408.0	2029
Finger 22:	1518	380.0	1613	400.0	1713	404.0	1814	408.0	1916	412.0	2019
Finger 23:	1492	396.0	1591	420.0	1696	416.0	1800	432.0	1908	440.0	2018
Finger 24:	1496	388.0	1593	416.0	1697	412.0	1800	428.0	1907	428.0	2014
Finger 25:	1513	372.0	1606	392.0	1704	384.0	1800	404.0	1901	400.0	2001
Finger 26:	1506	384.0	1602	416.0	1706	408.0	1808	424.0	1914	428.0	2021
Finger 27:	1465	392.0	1563	416.0	1667	420.0	1772	432.0	1880	444.0	1991
Finger 28:	1494	384.0	1590	416.0	1694	412.0	1797	424.0	1903	436.0	2012
Finger 29:	1515	380.0	1610	408.0	1712	404.0	1813	416.0	1917	432.0	2025
Finger 30:	1527	372.0	1620	396.0	1719	400.0	1819	408.0	1921	420.0	2026

Finger 31:	1539	372.0	1632	396.0	1731	396.0	1830	404.0	1931	416.0	2035
Finger 32:	1502	396.0	1601	416.0	1705	420.0	1810	432.0	1918	448.0	2030
Finger 33:	1506	388.0	1603	392.0	1701	416.0	1805	420.0	1910	444.0	2021
Finger 34:	1498	404.0	1599	420.0	1704	428.0	1811	436.0	1920	460.0	2035
Finger 35:	1506	400.0	1606	420.0	1711	420.0	1816	436.0	1925	456.0	2039
Finger 36:	1521	388.0	1618	404.0	1719	404.0	1820	420.0	1925	436.0	2034
Finger 37:	1531	388.0	1628	400.0	1728	404.0	1829	416.0	1933	436.0	2042
Finger 38:	1519	404.0	1620	420.0	1725	420.0	1830	432.0	1938	448.0	2050
Finger 39:	1522	396.0	1621	408.0	1723	412.0	1826	424.0	1932	444.0	2043
Finger 40:	1521	416.0	1625	416.0	1729	424.0	1835	432.0	1943	448.0	2055
Finger 41:	1515	408.0	1617	412.0	1720	420.0	1825	428.0	1932	448.0	2044
Finger 42:	1540	400.0	1640	408.0	1742	412.0	1845	420.0	1950	436.0	2059
Finger 43:	1591	380.0	1686	380.0	1781	384.0	1877	396.0	1976	408.0	2078
Finger 44:	1558	396.0	1657	396.0	1756	408.0	1858	408.0	1960	424.0	2066
Finger 45:	1555	392.0	1653	400.0	1753	408.0	1855	412.0	1958	428.0	2065
Finger 46:	1532	412.0	1635	416.0	1739	428.0	1846	432.0	1954	444.0	2065
Finger 47:	1543	416.0	1647	412.0	1750	424.0	1856	432.0	1964	440.0	2074
Finger 48:	1554	408.0	1656	412.0	1759	416.0	1863	424.0	1969	432.0	2077
Finger 49:	1560	416.0	1664	412.0	1767	424.0	1873	432.0	1981	436.0	2090
Finger 50:	1577	396.0	1676	392.0	1774	408.0	1876	408.0	1978	420.0	2083
Finger 51:	1567	408.0	1669	408.0	1771	416.0	1875	424.0	1981	424.0	2087
Finger 52:	1551	420.0	1656	416.0	1760	432.0	1868	428.0	1975	436.0	2084
Finger 53:	1568	416.0	1672	408.0	1774	424.0	1880	424.0	1986	424.0	2092
Finger 54:	1574	400.0	1674	396.0	1773	412.0	1876	412.0	1979	412.0	2082
Finger 55:	1556	420.0	1661	408.0	1763	428.0	1870	424.0	1976	428.0	2083
Finger 56:	1594	396.0	1693	380.0	1788	396.0	1887	392.0	1985	388.0	2082
Finger 57:	1560	420.0	1665	412.0	1768	424.0	1874	424.0	1980	416.0	2084
Finger 58:	1551	420.0	1656	416.0	1760	440.0	1870	432.0	1978	424.0	2084
Finger 59:	1541	416.0	1645	416.0	1749	424.0	1855	424.0	1961	420.0	2066
Finger 60:	1558	408.0	1660	404.0	1761	420.0	1866	412.0	1969	412.0	2072



Company	Chevron USA Inc
Well	Beezley 2-22
Field	Rangely
County	Rio Blanco
State	Colorado