



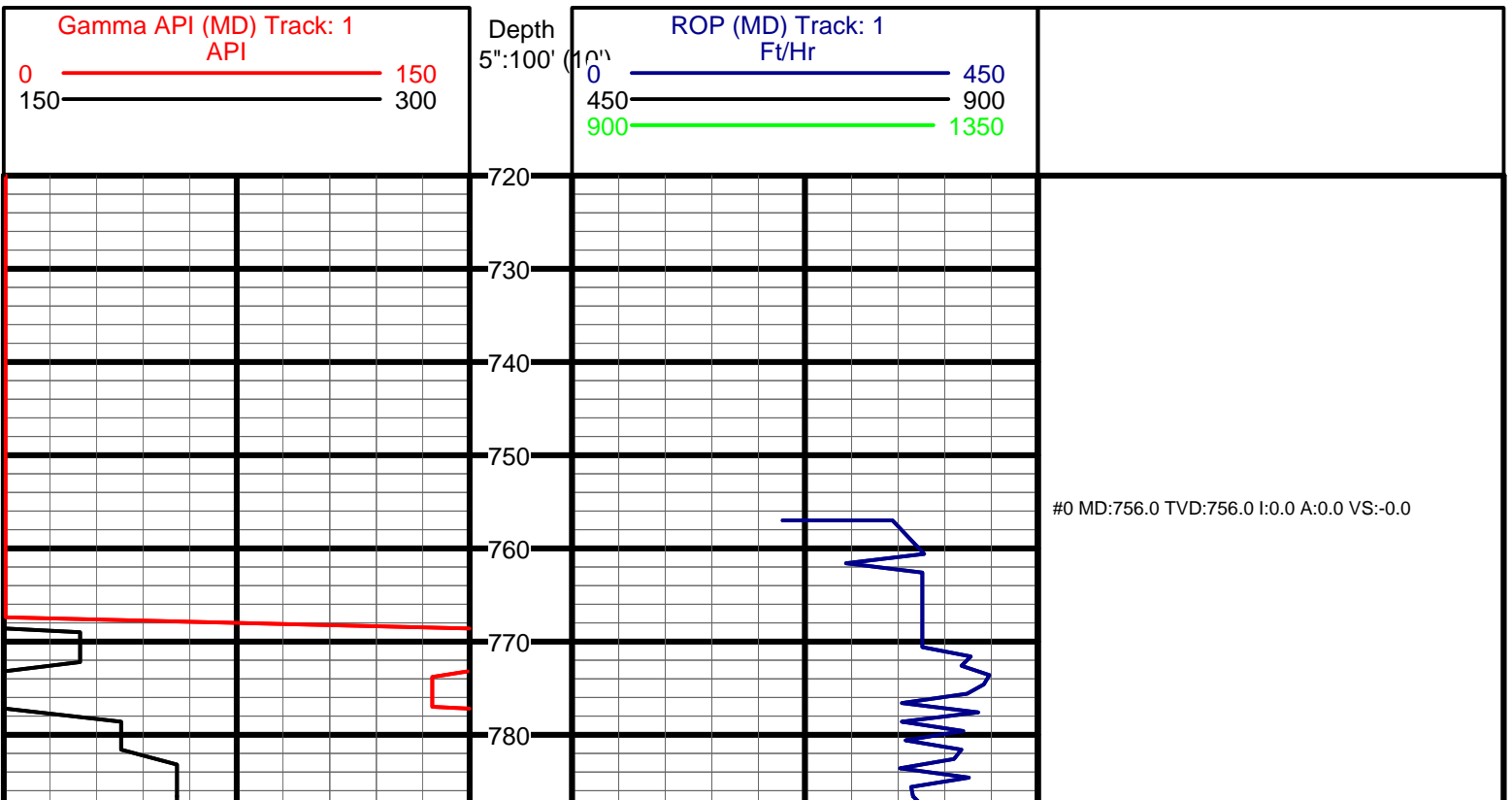
(Scale: 5" = 100' (10'))

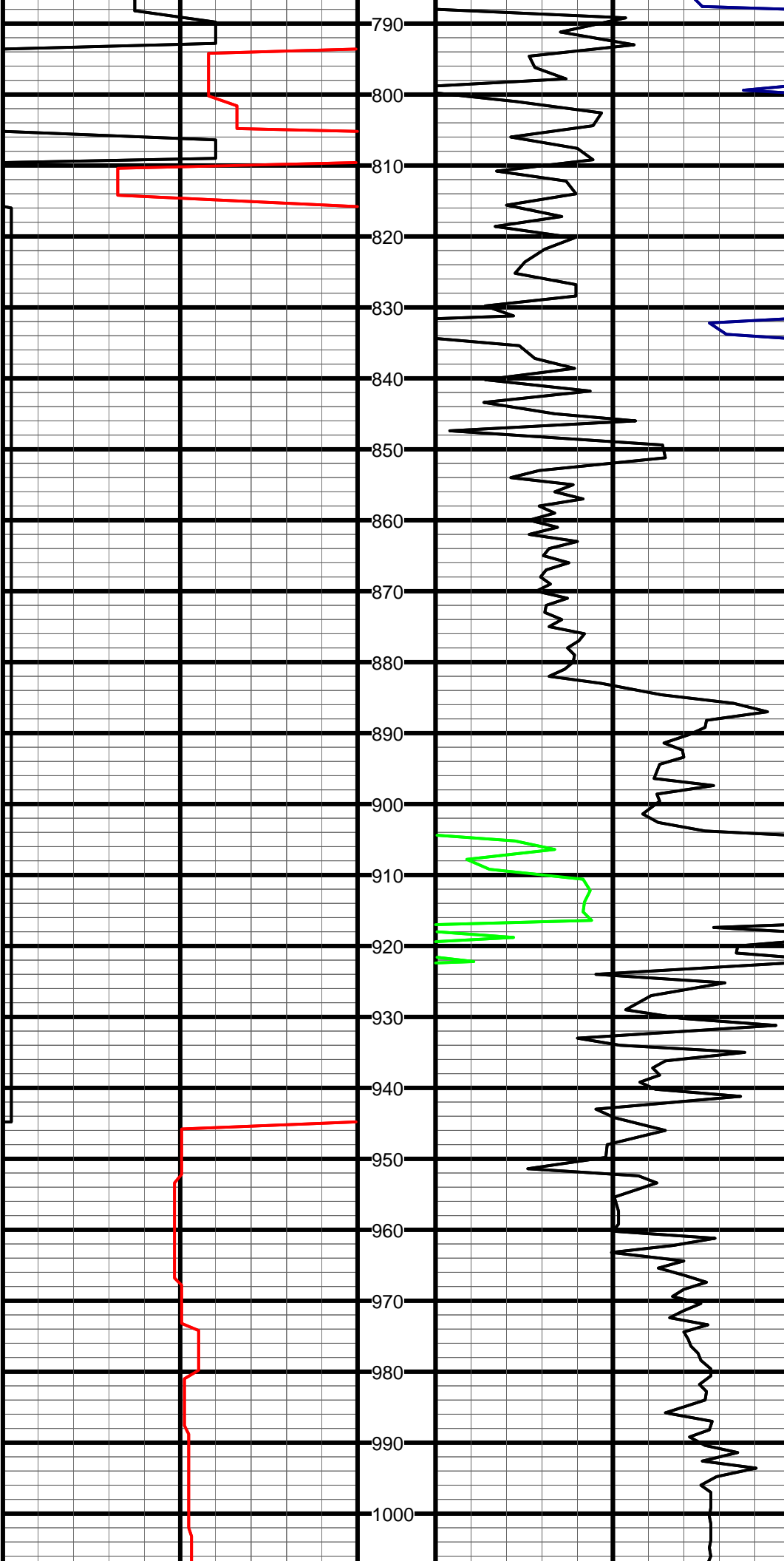
Company: Noble Energy  
 Well: Prasinik LC20-75HN  
 Field: Wildcat  
 Well ID: 05-123-33311  
 Job Number: RM 12664  
 Location: Lat: 40 44' 30.410" N Long: 104 0' 5.080" W  
 Operator 1: D. Brown / T. Mardesen  
 Operator 2: Troy Mardesen  
 State: CO  
 County: Weld  
 Country: USA  
 Elev KB: 5,008'  
 Elev DF: 5,008'  
 Elev GL: 4,978'

Comment 1: Final 5" MD gamma log.  
 Comment 2: Tie into surface casing at 756'.  
 Comment 3:  
 Comment 4:  
 Comment 5:

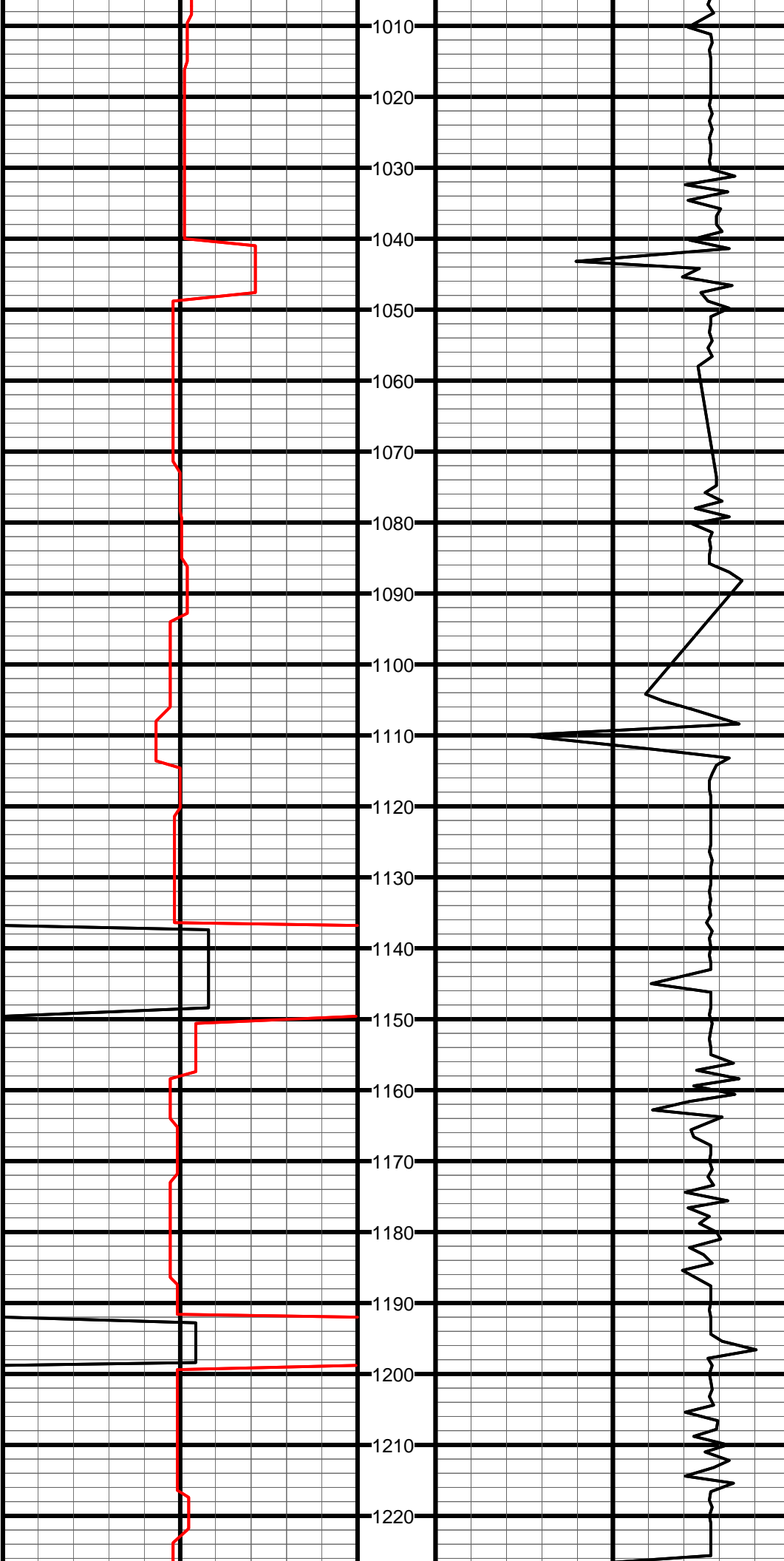
Hole Data			Casing Record		
Size	From	To	Size	From	To
13.75"	0'	756'	8.63"	0'	756'
8.75"	756'	6,599'	7"	0'	6,560'
6.125"	6,599'	10,616'			

Tool Run Data		Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	2422	1818	1818	1818	1818	
Cal Factor	4.0	3.64	3.64	2.10		
Gamma Offset	37'	37'	37'	39'		
Start Depth	756'	1,929'	5,545'	6,599'		
Start Date	9/7/2012	9/8/2012	9/9/2012	9/11/2012		
Start Time	19:00	06:00	10:00	08:00		
End Depth	1,929'	5,545'	6,599'	10616'		
End Date	9/8/2012	9/9/2012	9/10/2012	9/13/2012		
End Time	01:00	00:00	01:00	15:00		

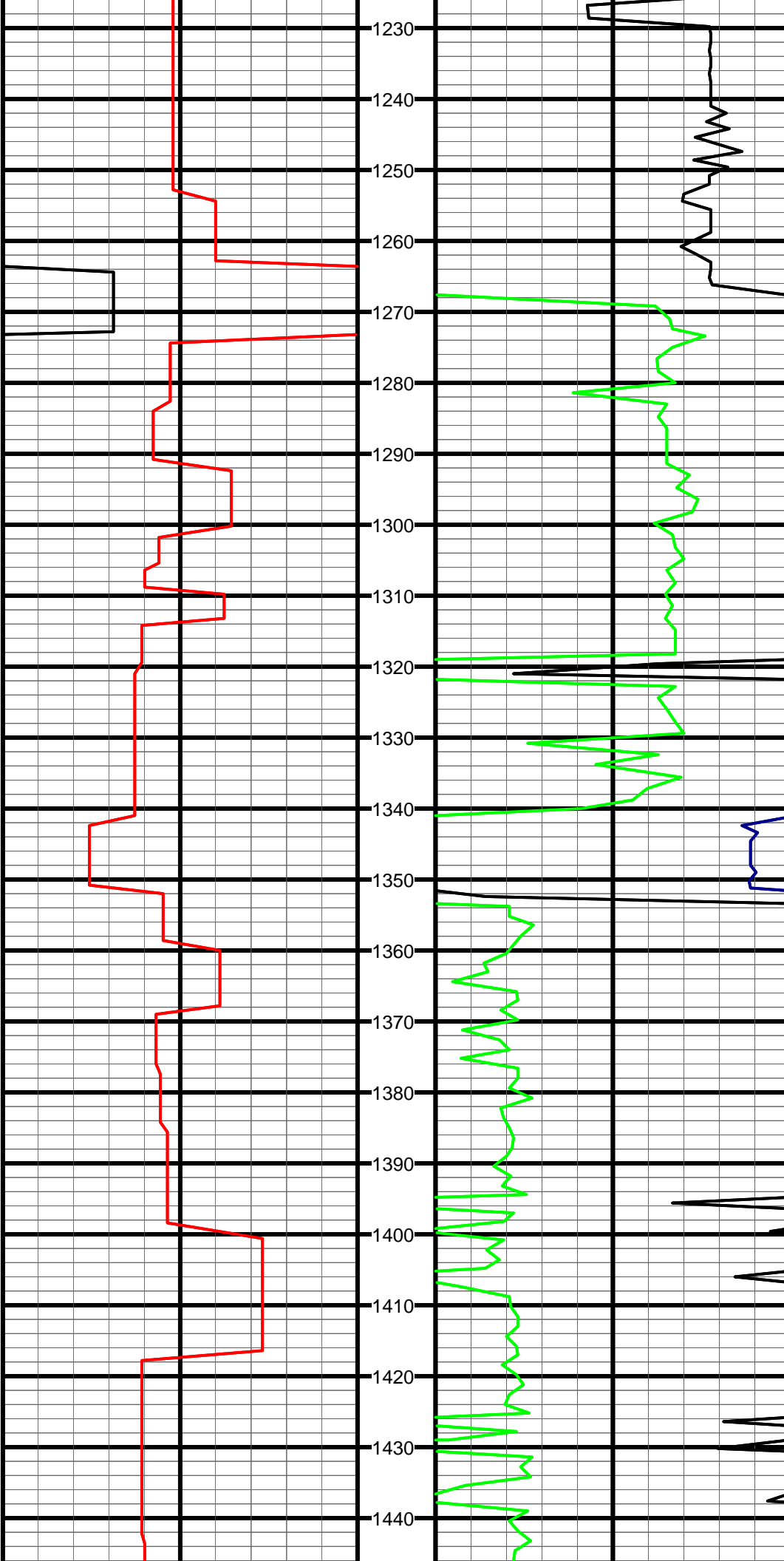




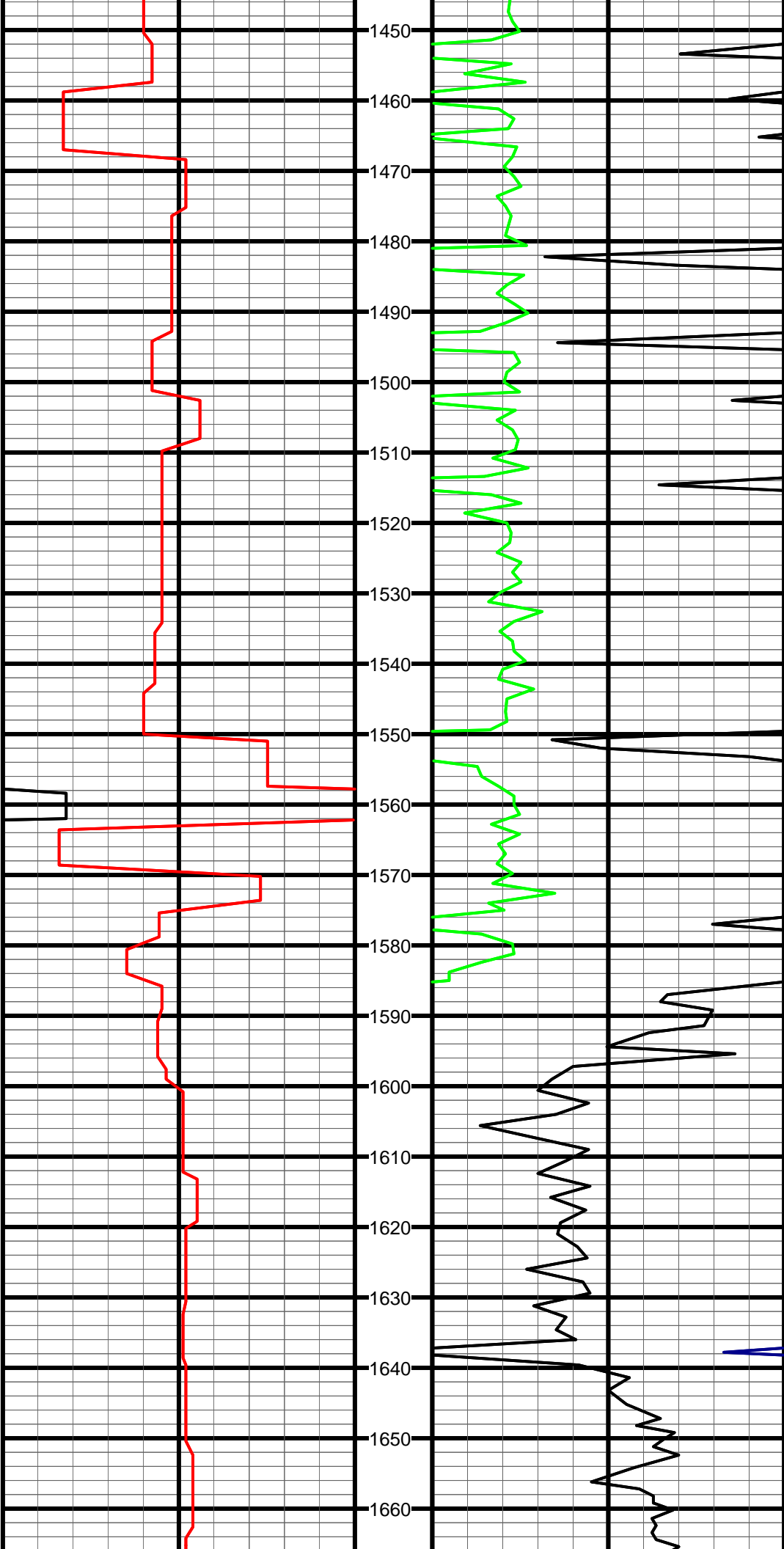
#1 MD:840.0 TVD:840.0 I:0.4 A:140.0 VS:0.2

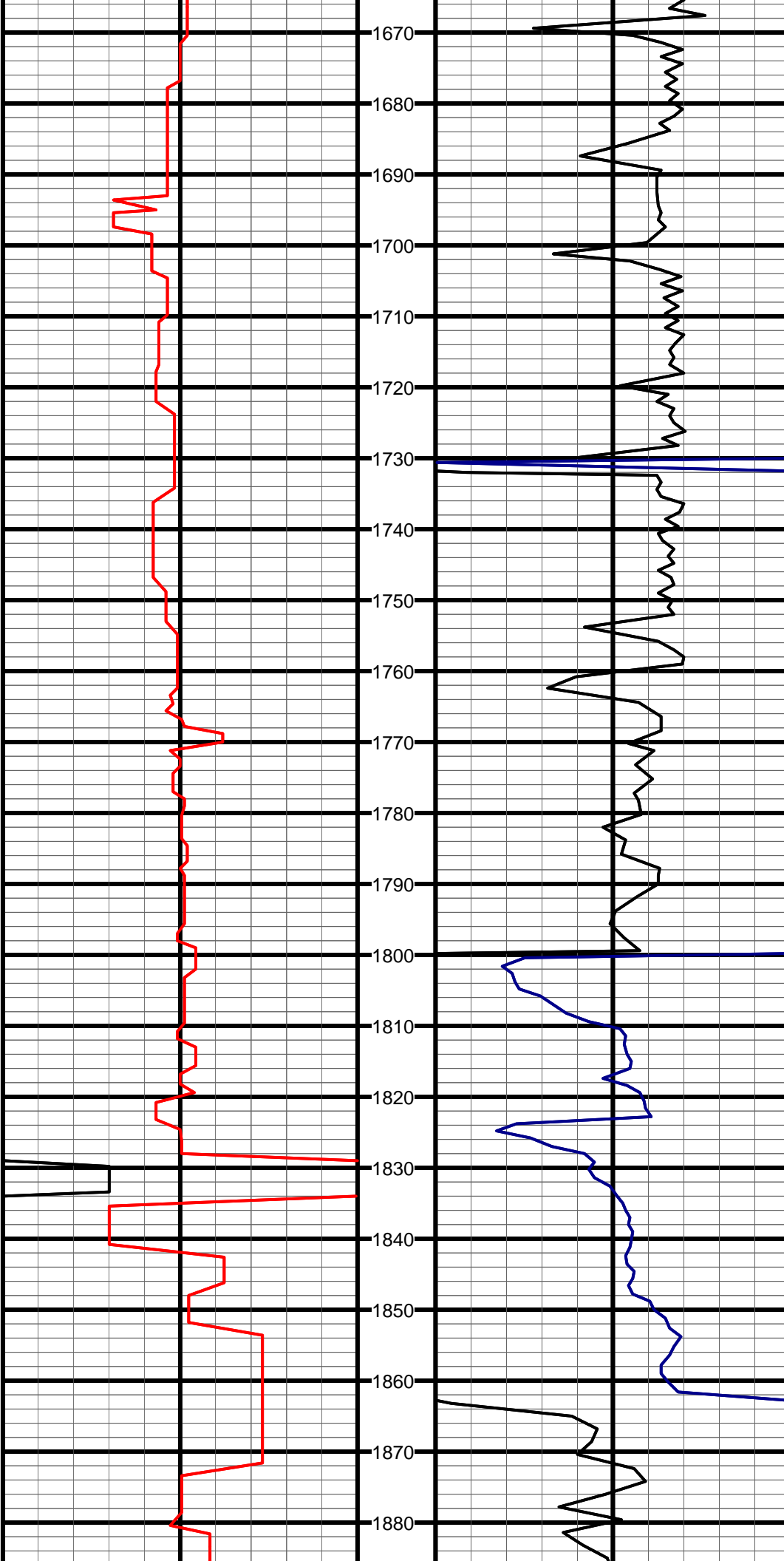


#2 MD:1124.0 TVD:1124.0 I:0.3 A:158.4 VS:1.7



#3 MD:1409.0 TVD:1409.0 I:0.1 A:151.5 VS:2.6

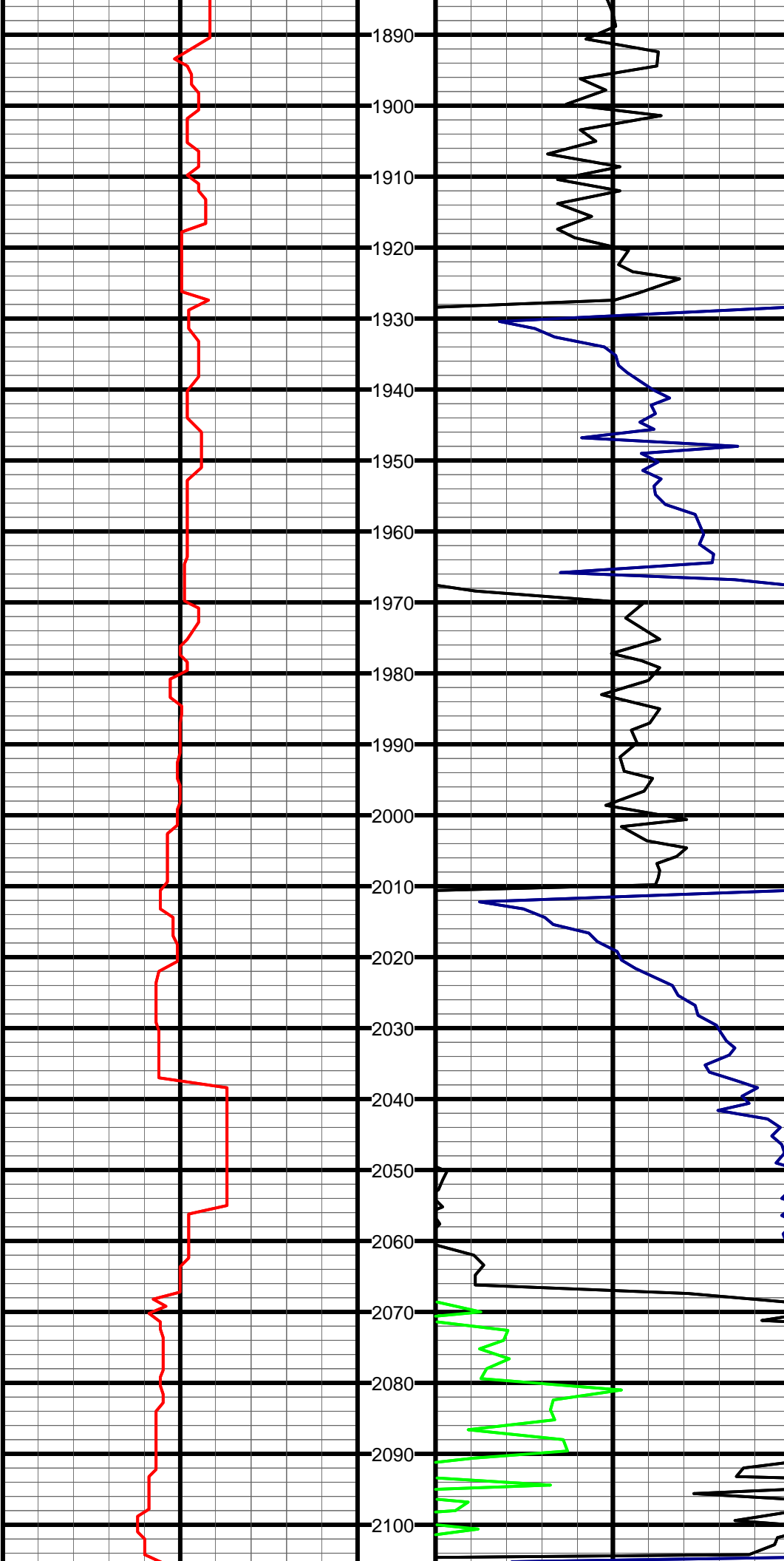




#4 MD:1688.0 TVD:1688.0 I:0.2 A:84.7 VS:2.8

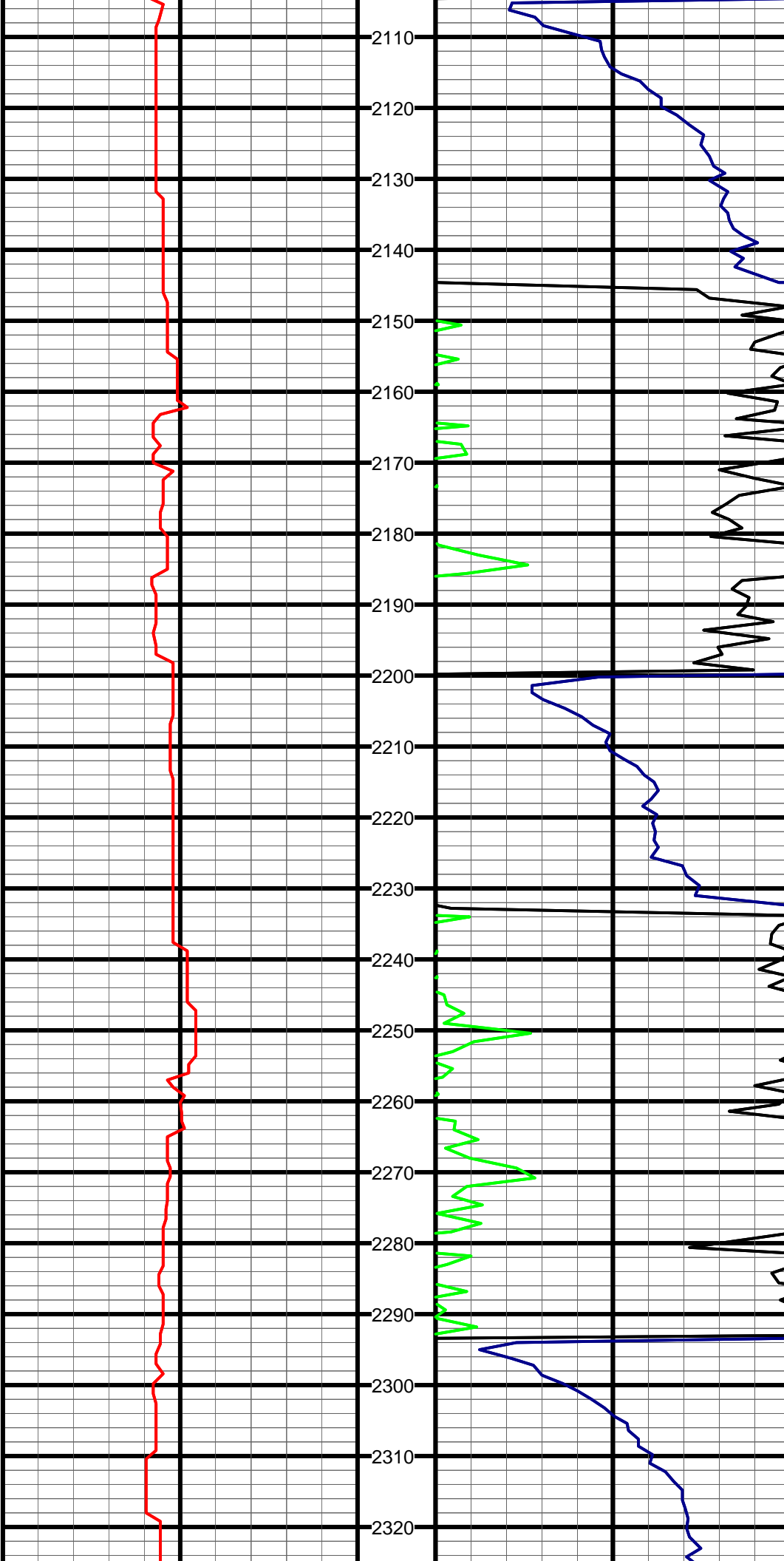
#5 MD:1783.0 TVD:1783.0 I:0.1 A:157.3 VS:2.8

#6 MD:1877.0 TVD:1876.9 I:4.0 A:341.3 VS:-0.2



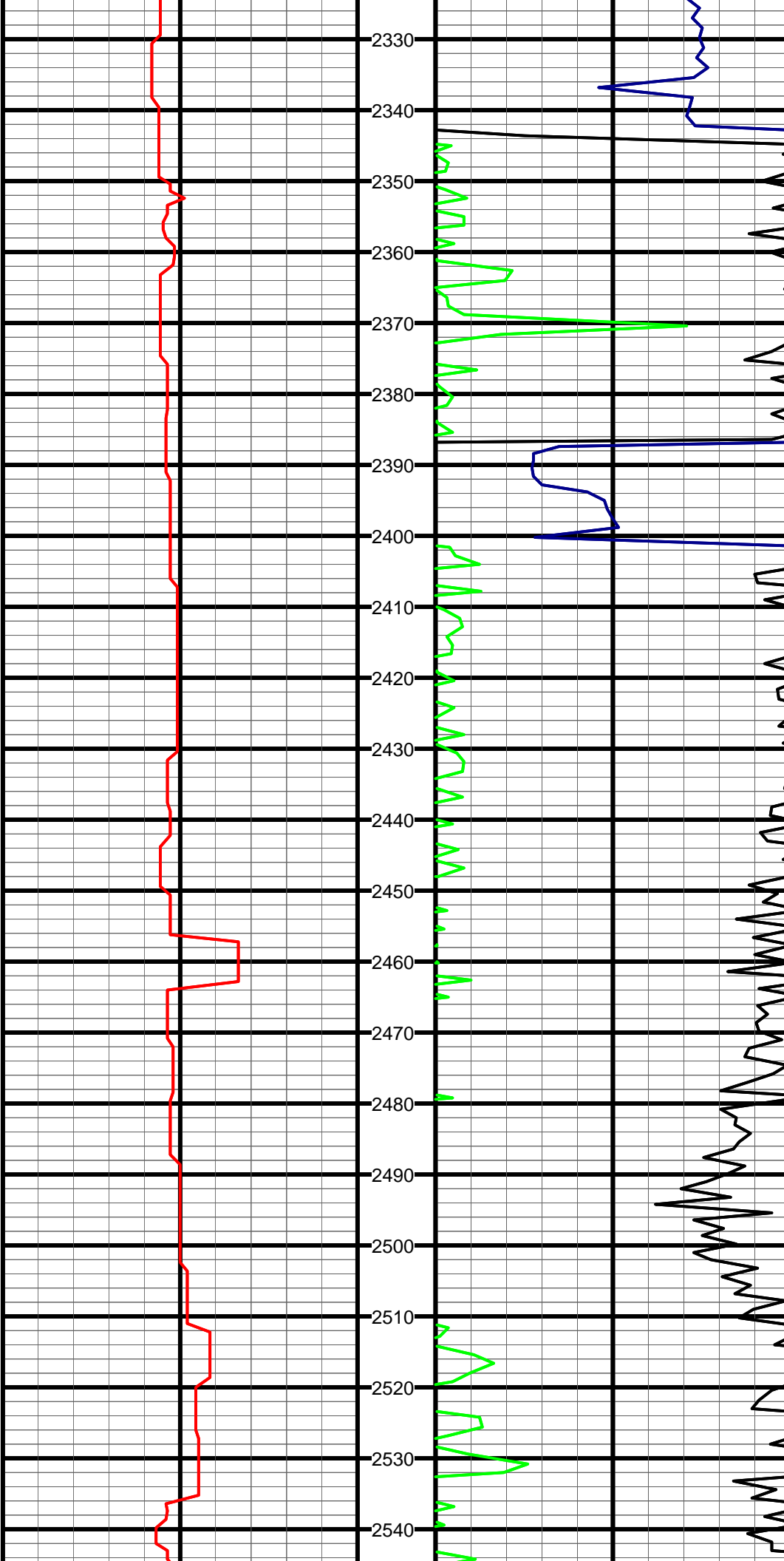
#7 MD:1972.0 TVD:1971.6 I:5.4 A:348.3 VS:-7.7

#8 MD:2065.0 TVD:2063.9 I:8.1 A:357.9 VS:-18.6



#9 MD:2159.0 TVD:2156.6 I:11.3 A:354.0 VS:-34.4

#10 MD:2253.0 TVD:2248.5 I:12.8 A:353.9 VS:-53.9

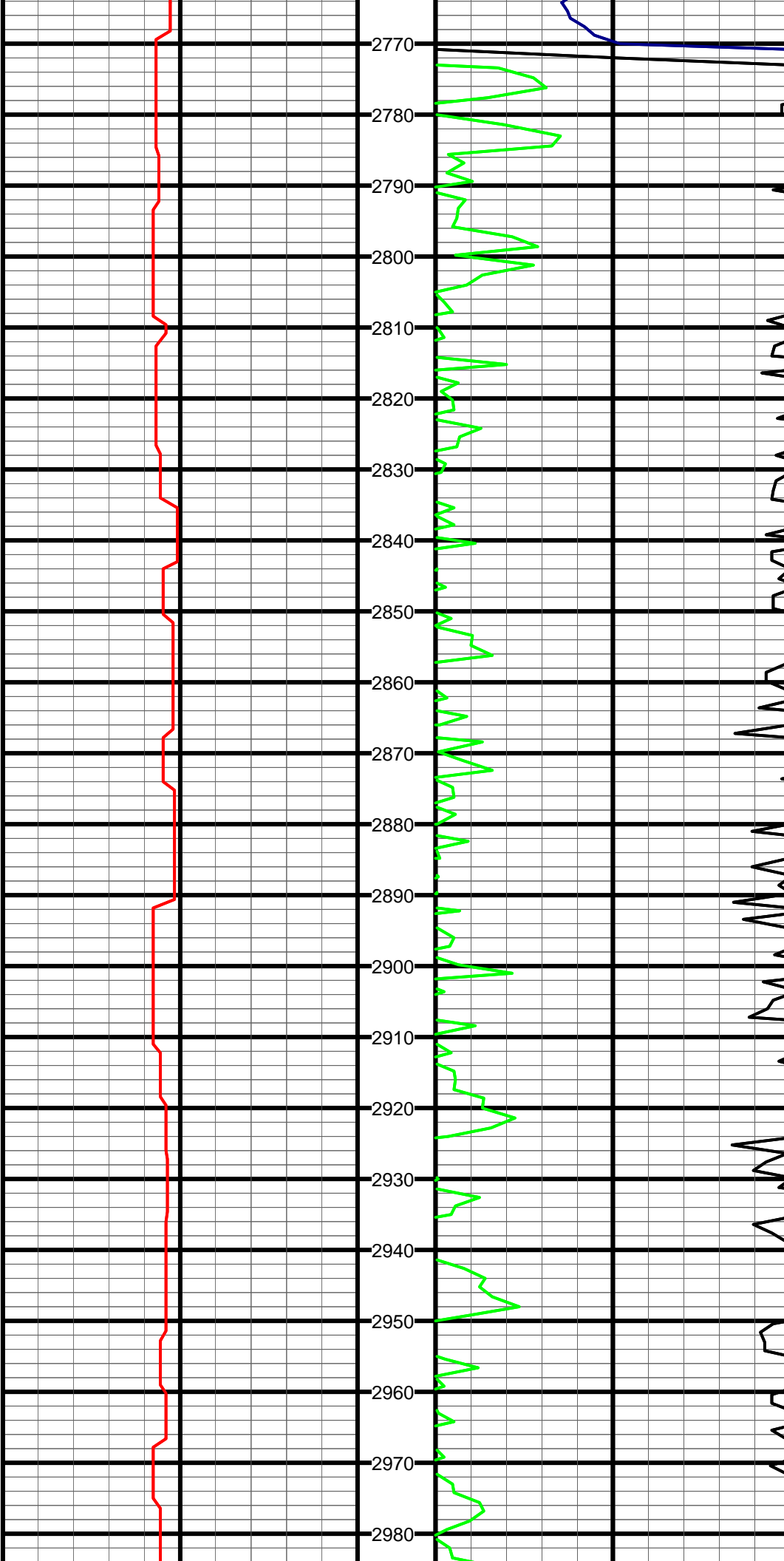


#11 MD:2345.0 TVD:2337.8 I:14.9 A:349.9 VS:-75.7

#12 MD:2438.0 TVD:2427.6 I:15.3 A:352.1 VS:-99.7

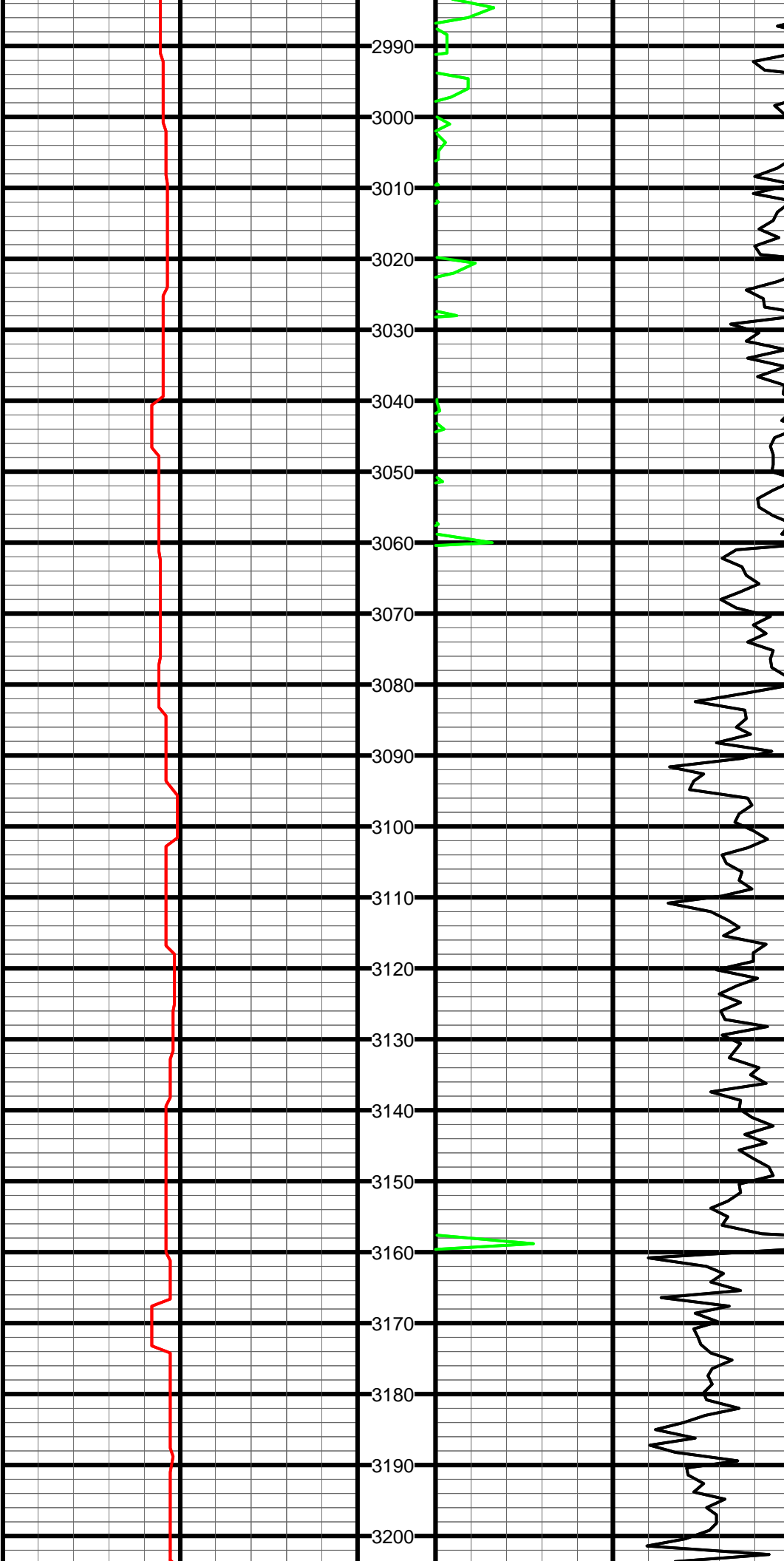
#13 MD:2530.0 TVD:2516.8 I:13.4 A:352.9 VS:-122.3





#16 MD:2809.0 TVD:2785.6 I:16.7 A:351.2 VS:-195.8

#17 MD:2901.0 TVD:2873.7 I:16.8 A:350.2 VS:-222.0

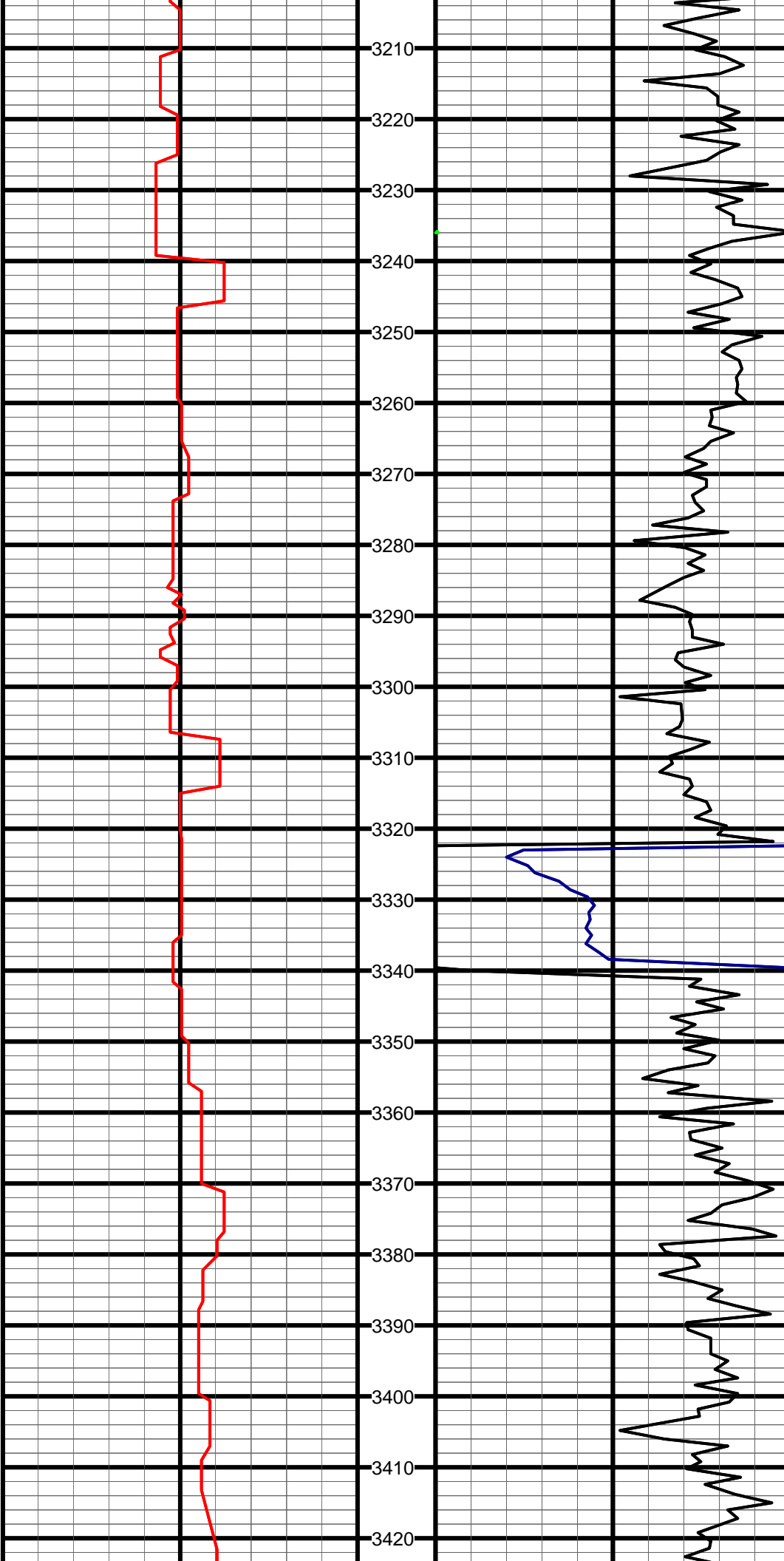


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#18 MD:2996.0 TVD:2964.7 I:16.8 A:350.5 VS:-249.1

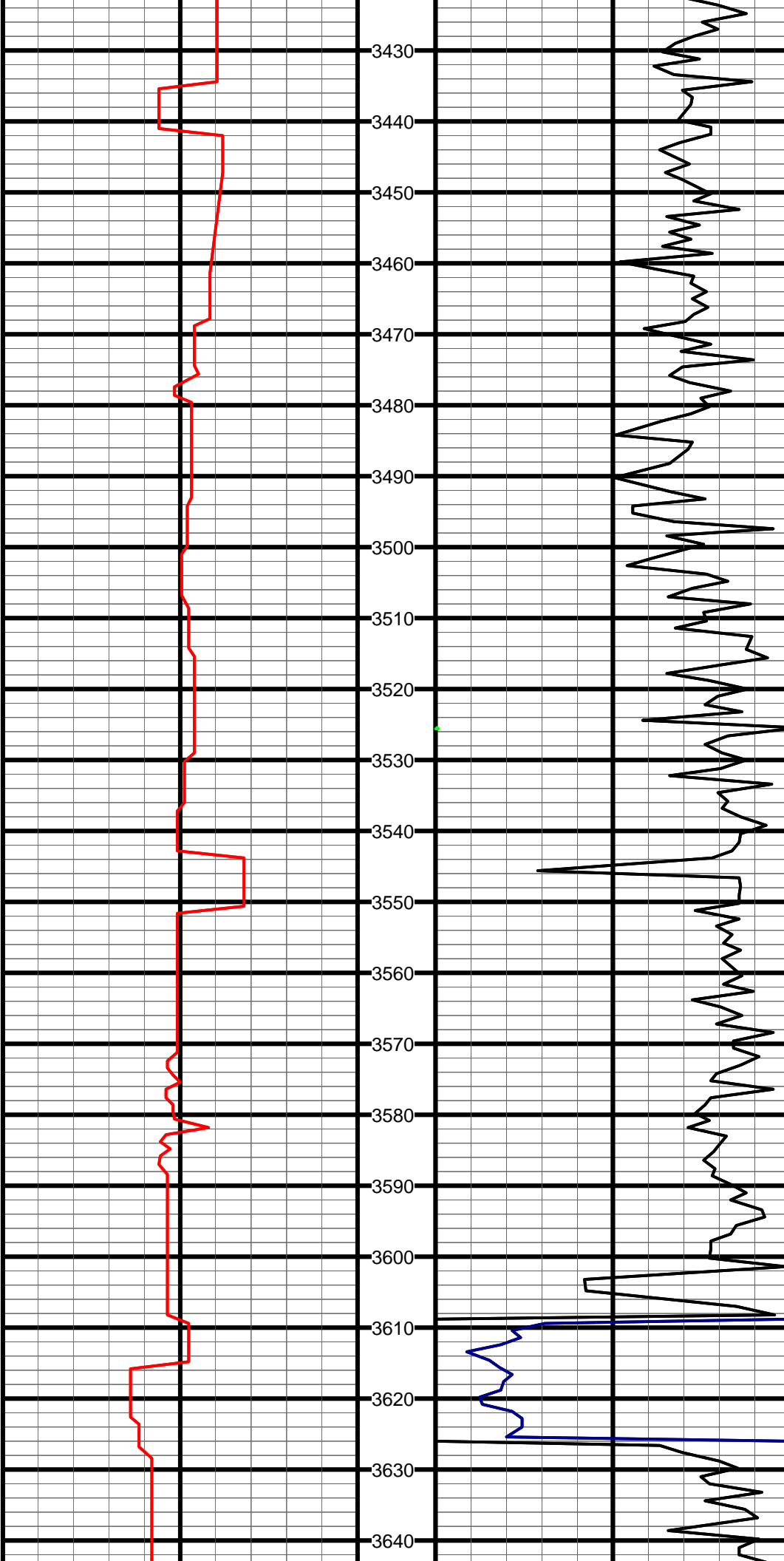
#19 MD:3091.0 TVD:3055.7 I:16.4 A:349.5 VS:-275.9

#20 MD:3185.0 TVD:3146.2 I:15.0 A:349.2 VS:-300.9



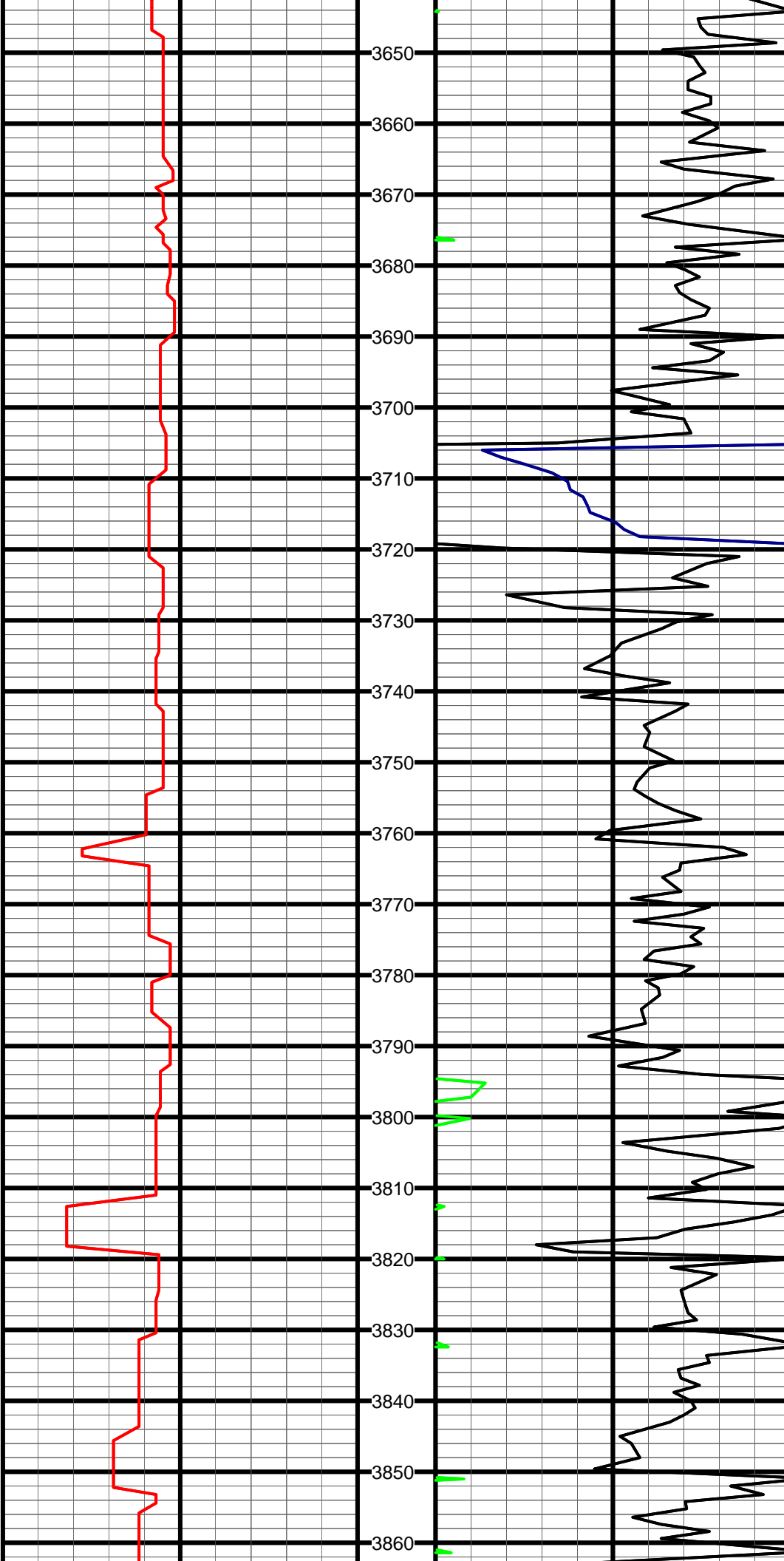
#21 MD:3280.0 TVD:3238.4 I:12.8 A:347.5 VS:-323.3

#22 MD:3375.0 TVD:3331.6 I:9.4 A:351.8 VS:-341.3



#23 MD:3470.0 TVD:3425.5 I:8.2 A:347.7 VS:-355.6

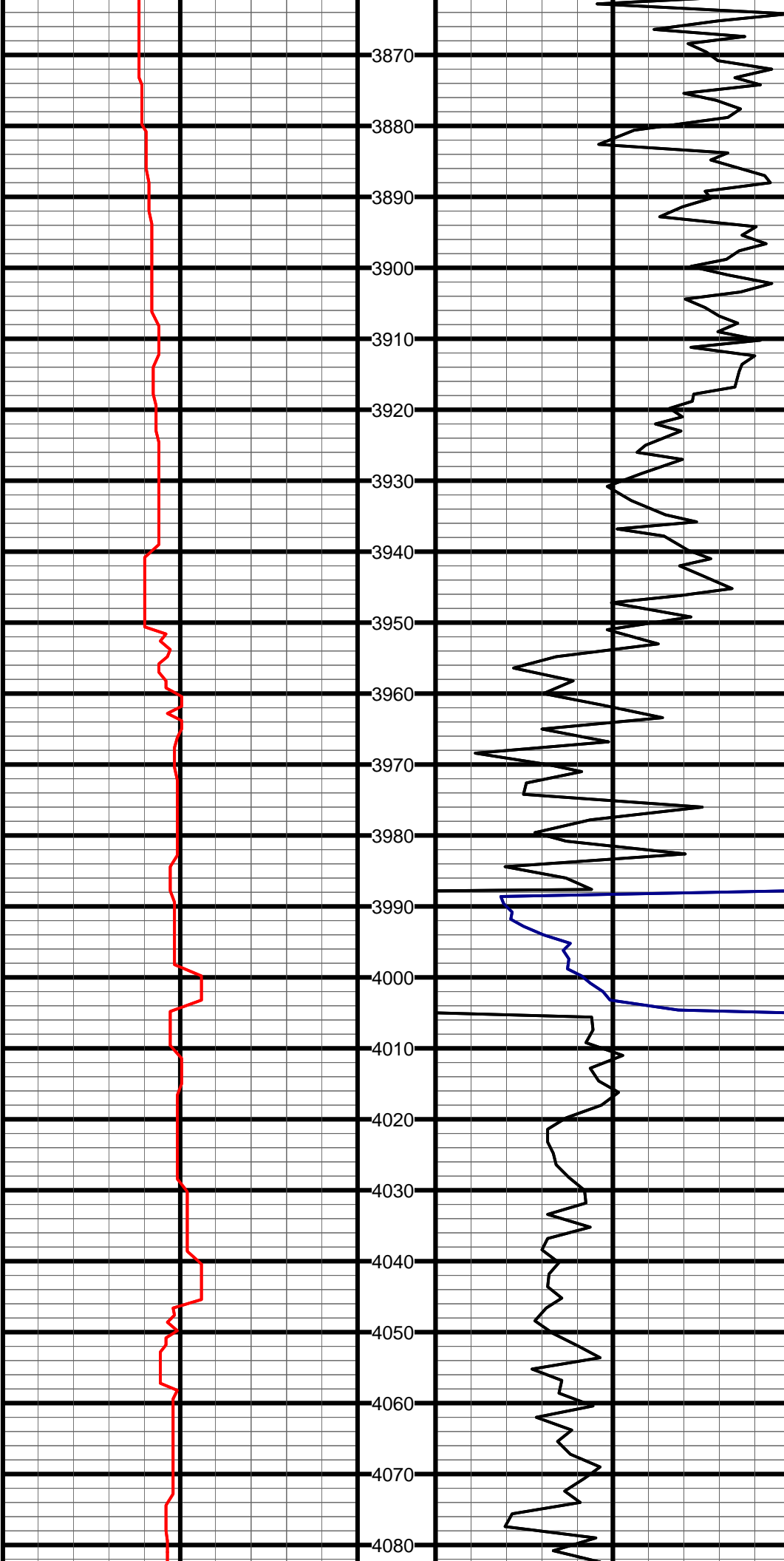
#24 MD:3565.0 TVD:3519.5 I:8.5 A:346.9 VS:-369.1



#25 MD:3660.0 TVD:3613.5 I:7.8 A:348.1 VS:-382.3

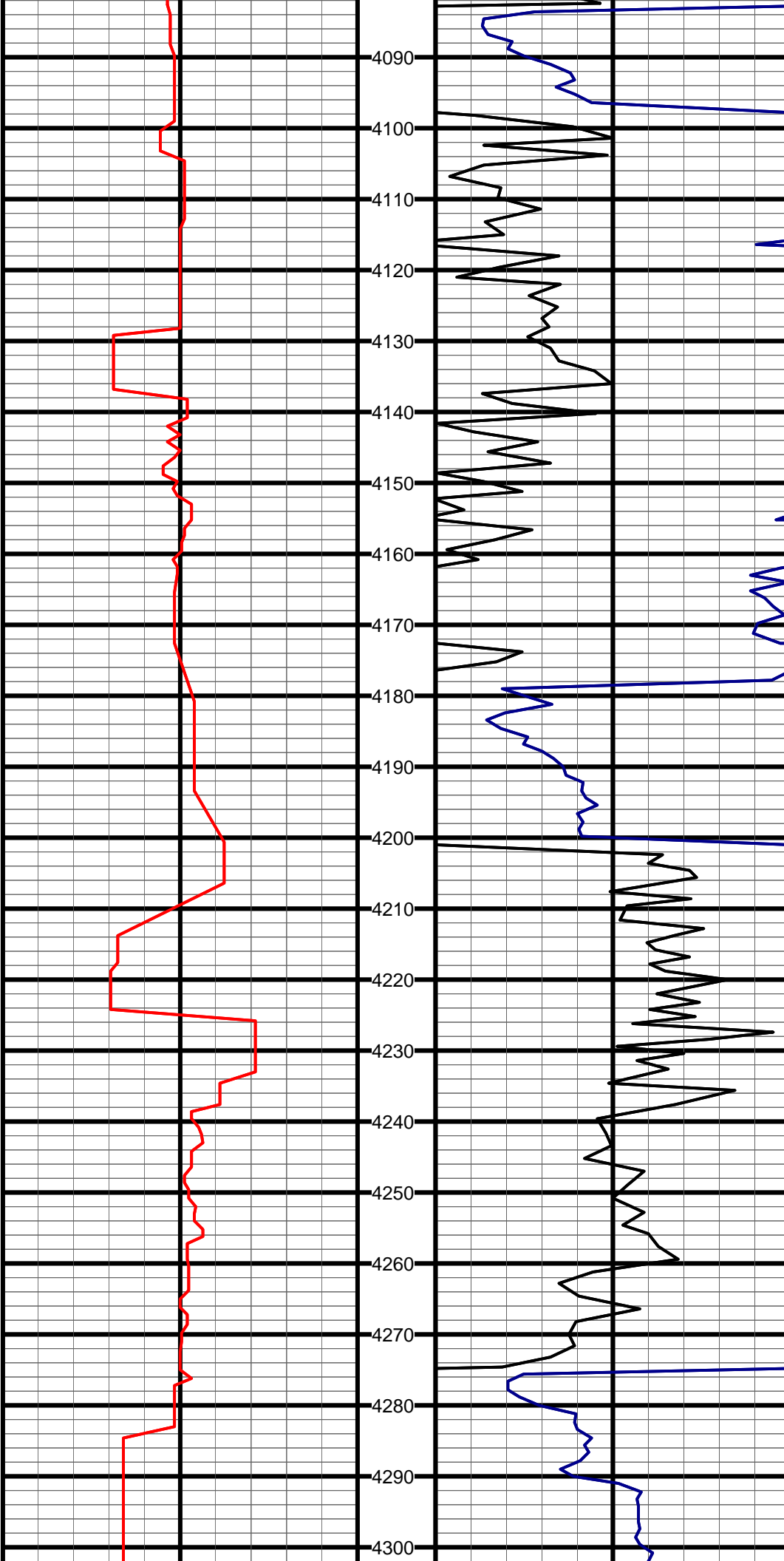
#26 MD:3755.0 TVD:3707.7 I:7.6 A:356.5 VS:-394.9

#27 MD:3850.0 TVD:3801.8 I:7.8 A:356.8 VS:-407.6



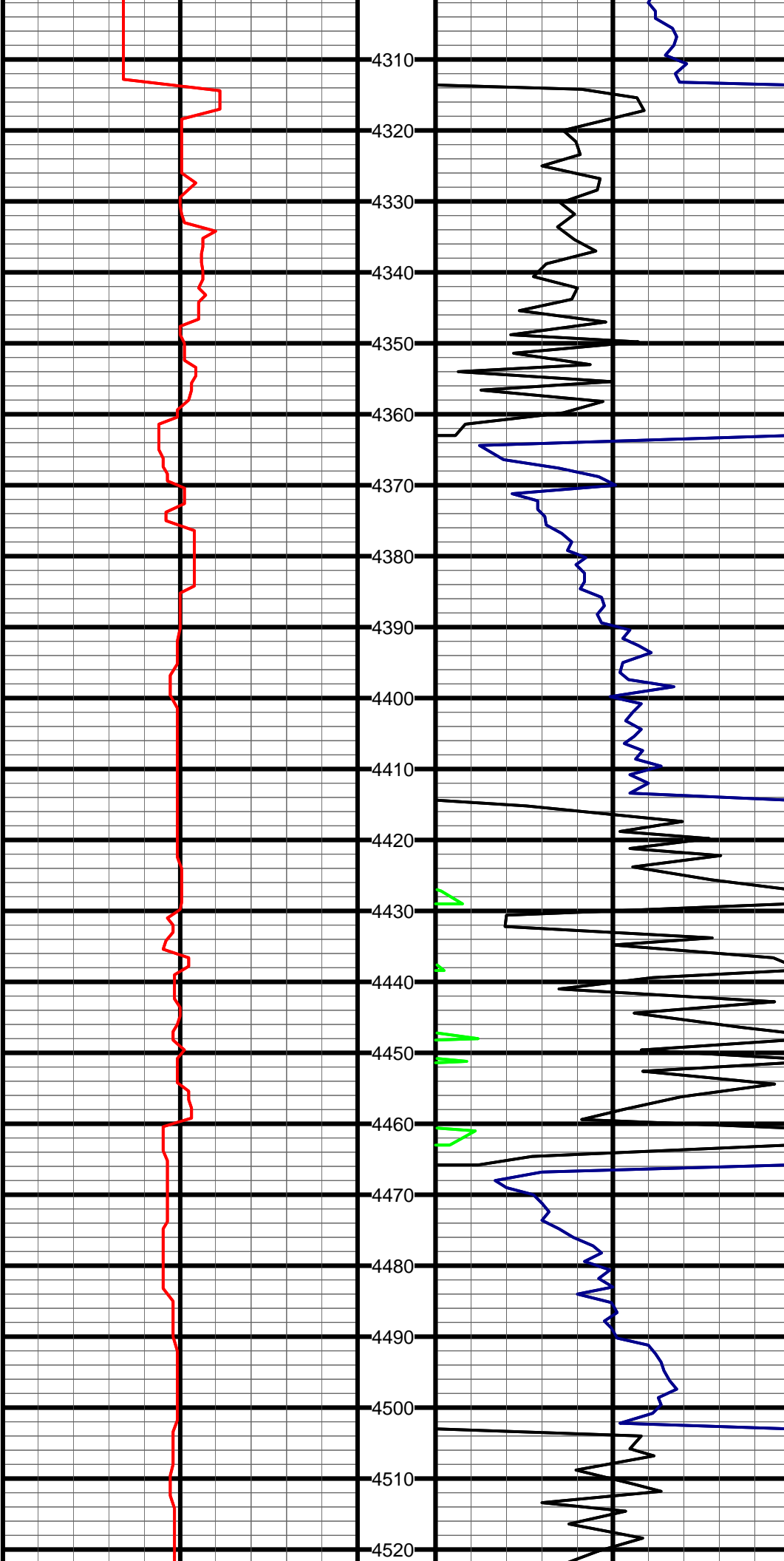
#28 MD:3945.0 TVD:3895.9 I:8.2 A:357.8 VS:-420.8

#29 MD:4040.0 TVD:3990.0 I:7.4 A:355.4 VS:-433.7



#30 MD:4135.0 TVD:4084.3 I:6.4 A:358.1 VS:-445.1

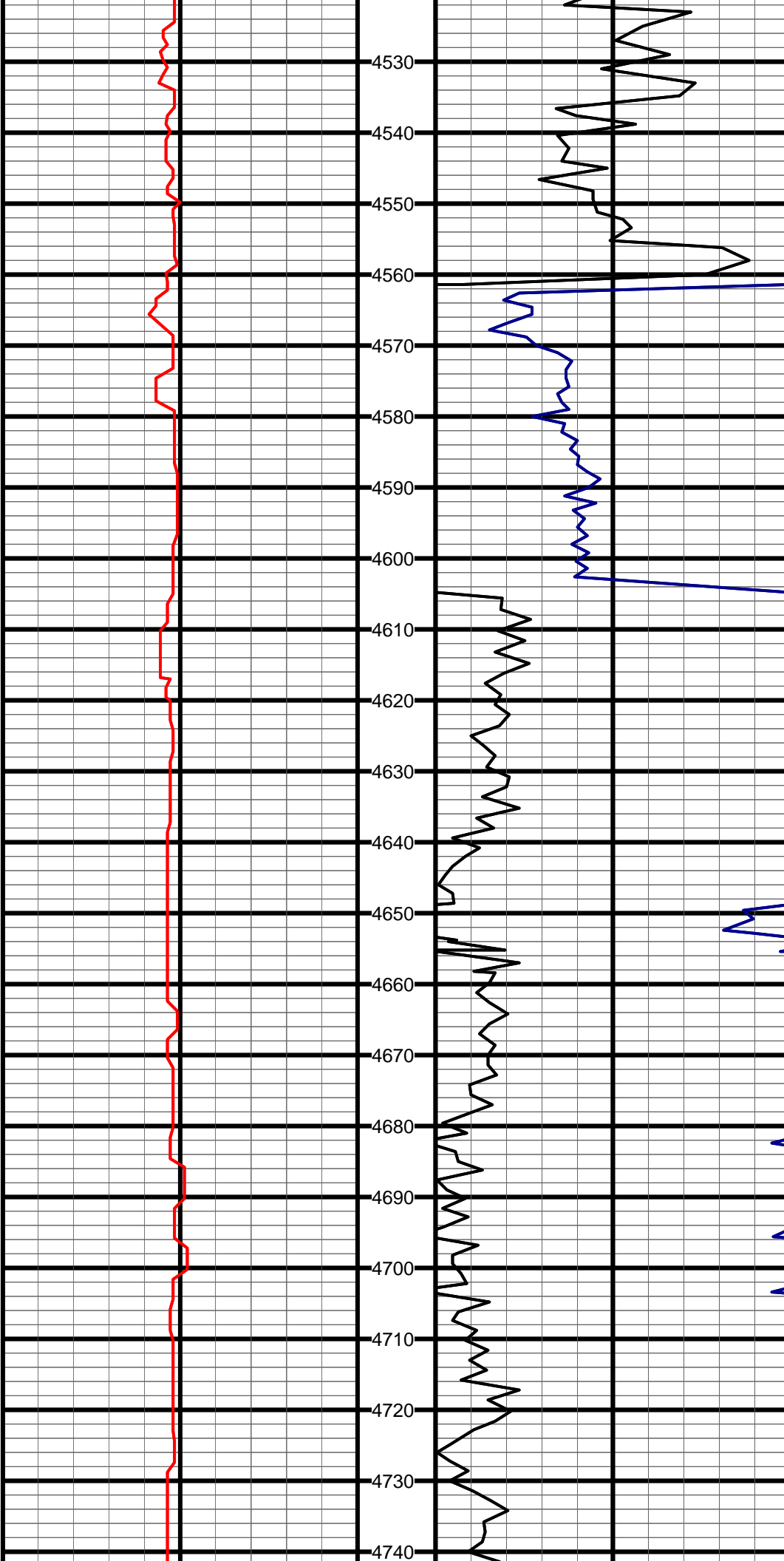
#31 MD:4230.0 TVD:4178.8 I:5.4 A:351.4 VS:-454.8



#32 MD:4325.0 TVD:4273.5 I:3.3 A:349.5 VS:-461.9

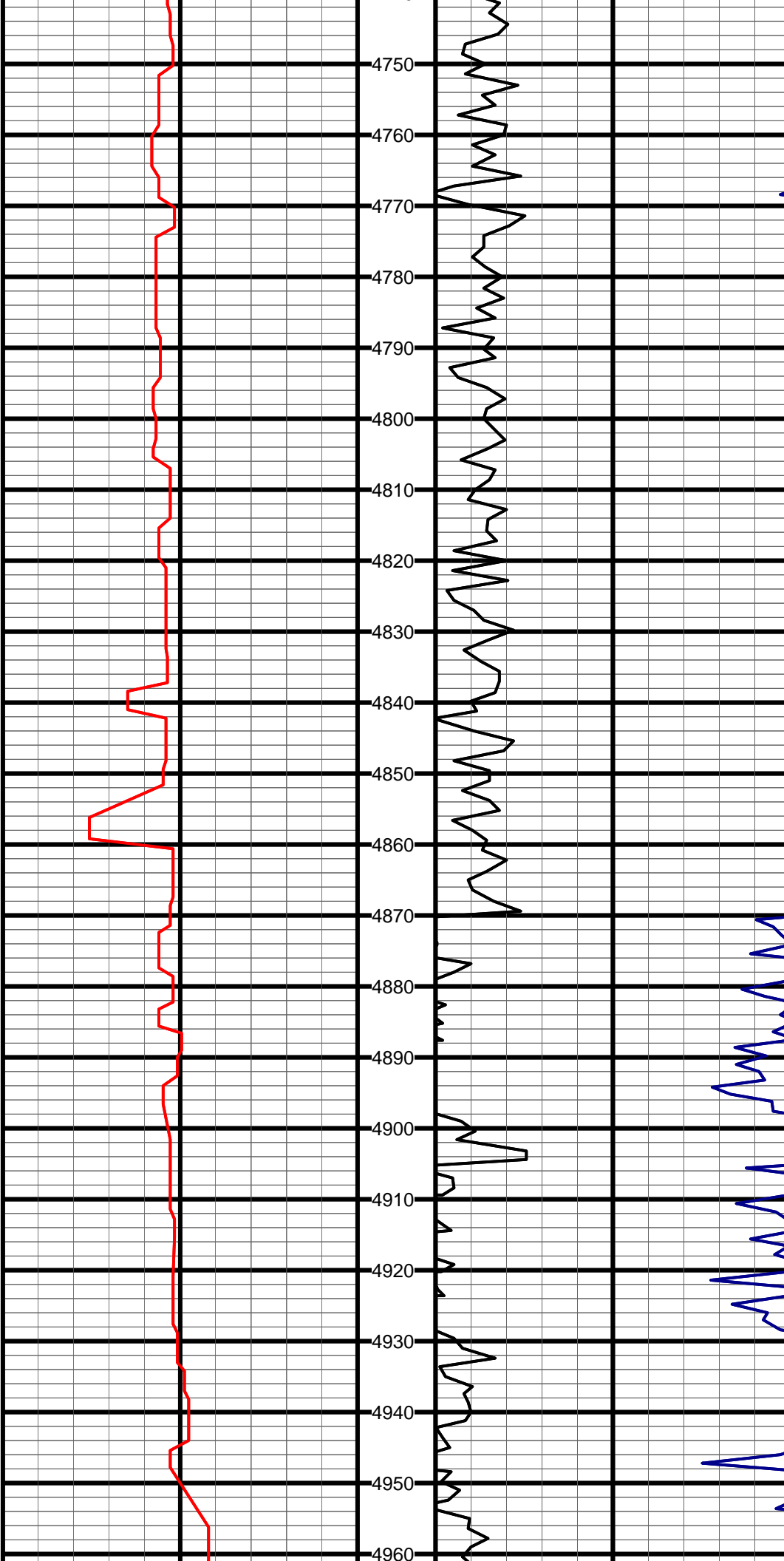
#33 MD:4420.0 TVD:4368.4 I:3.1 A:316.7 VS:-466.5

#34 MD:4515.0 TVD:4463.3 I:1.5 A:339.3 VS:-469.5



#35 MD:4610.0 TVD:4558.3 I:0.8 A:124.2 VS:-470.3

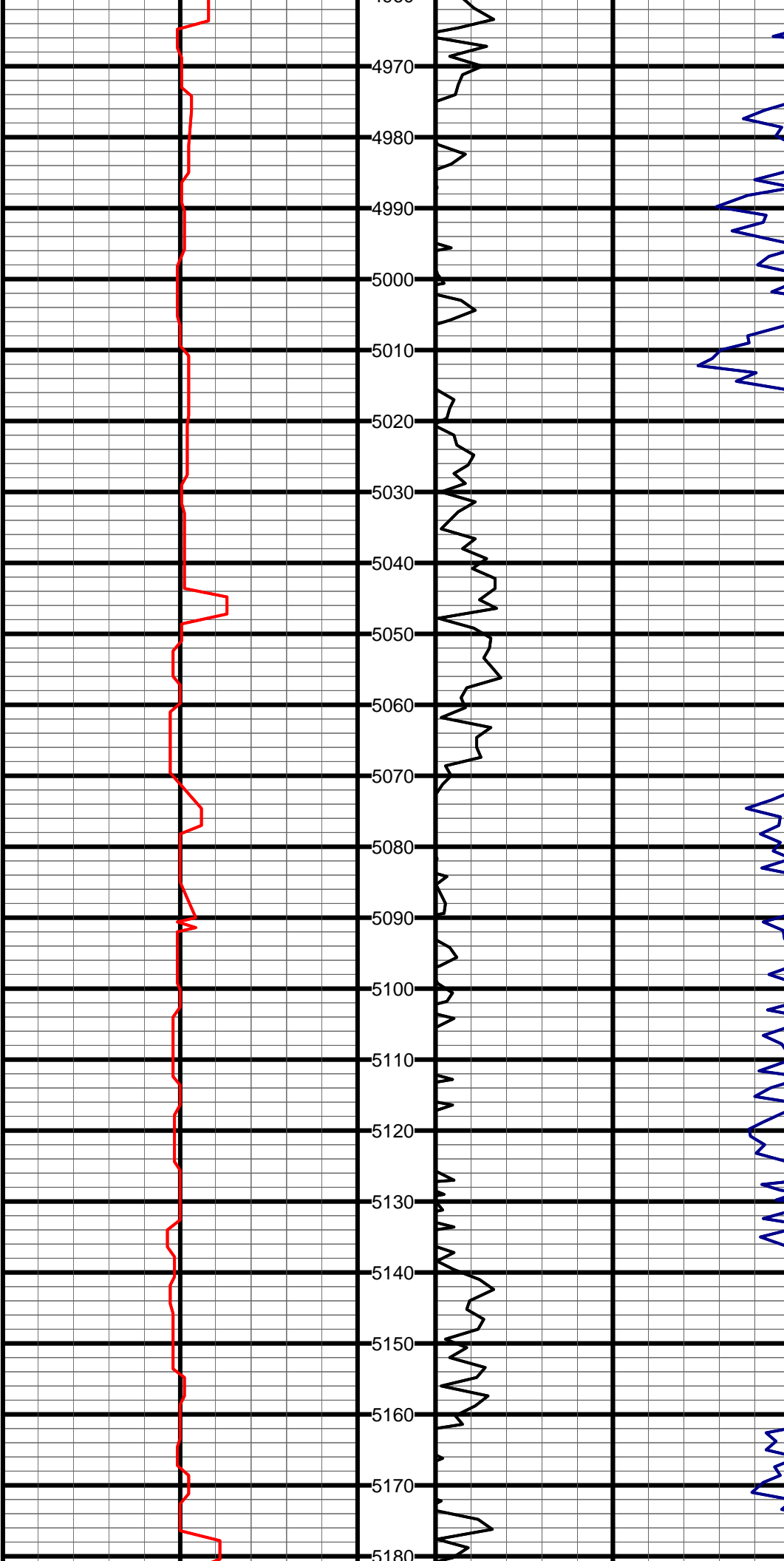
#36 MD:4705.0 TVD:4653.3 I:1.1 A:126.8 VS:-469.4



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#37 MD:4800.0 TVD:4748.3 I:1.1 A:105.5 VS:-468.6

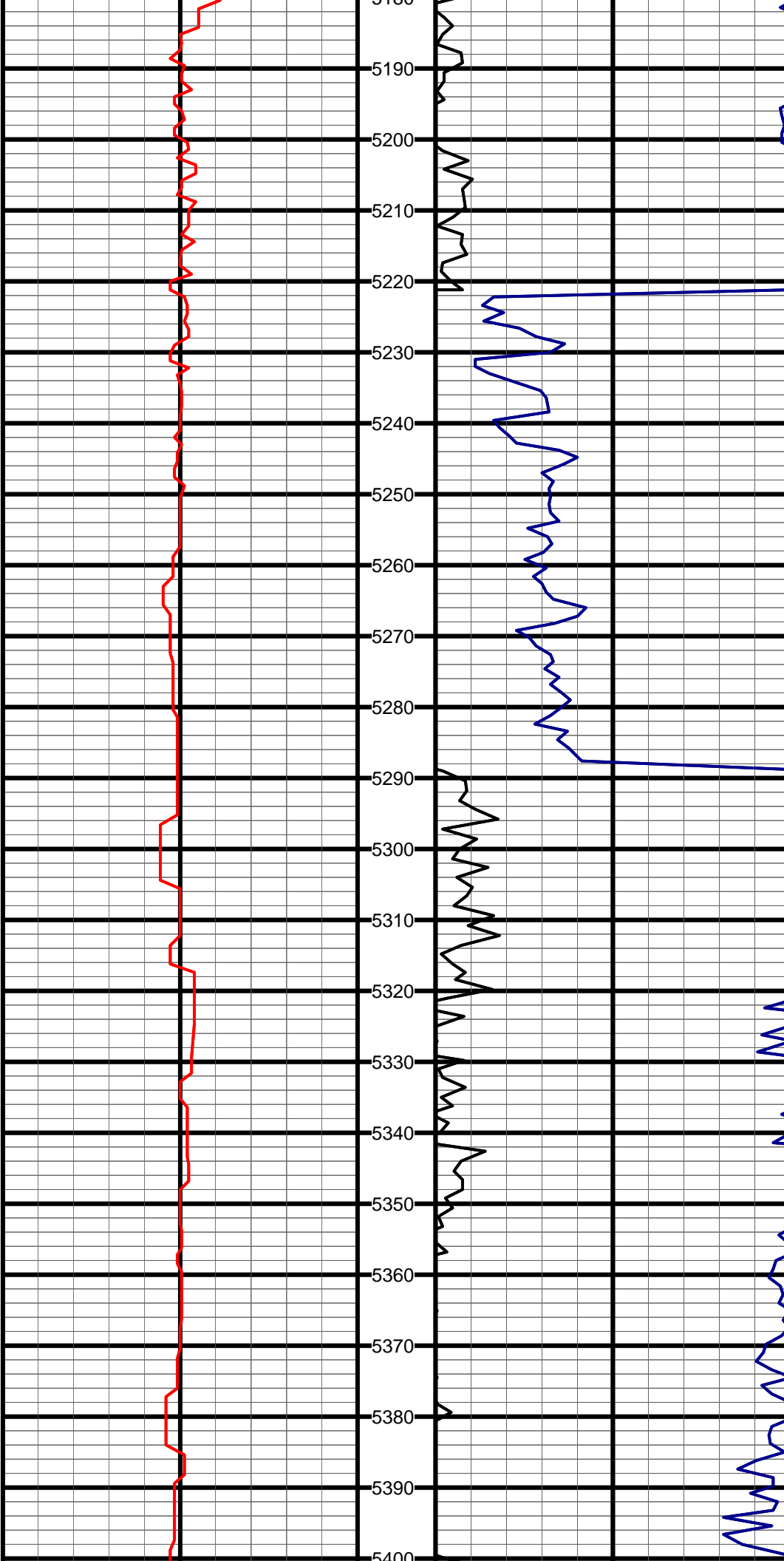
#38 MD:4895.0 TVD:4843.3 I:1.2 A:65.4 VS:-468.8



#39 MD:4990.0 TVD:4938.2 I:1.4 A:54.7 VS:-469.8

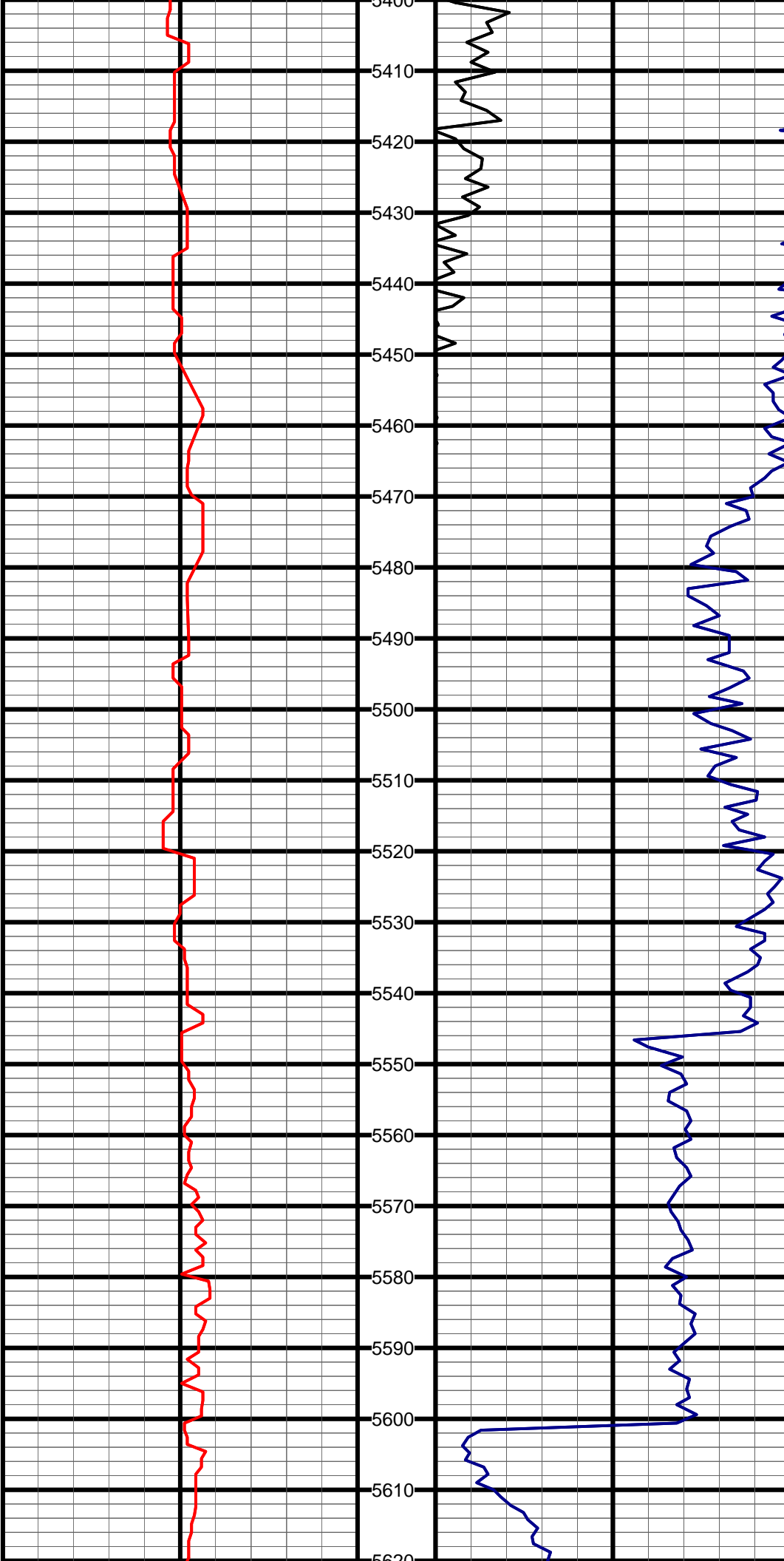
#40 MD:5085.0 TVD:5033.2 I:1.1 A:66.3 VS:-470.8

#41 MD:5180.0 TVD:5128.2 I:2.1 A:65.5 VS:-471.9



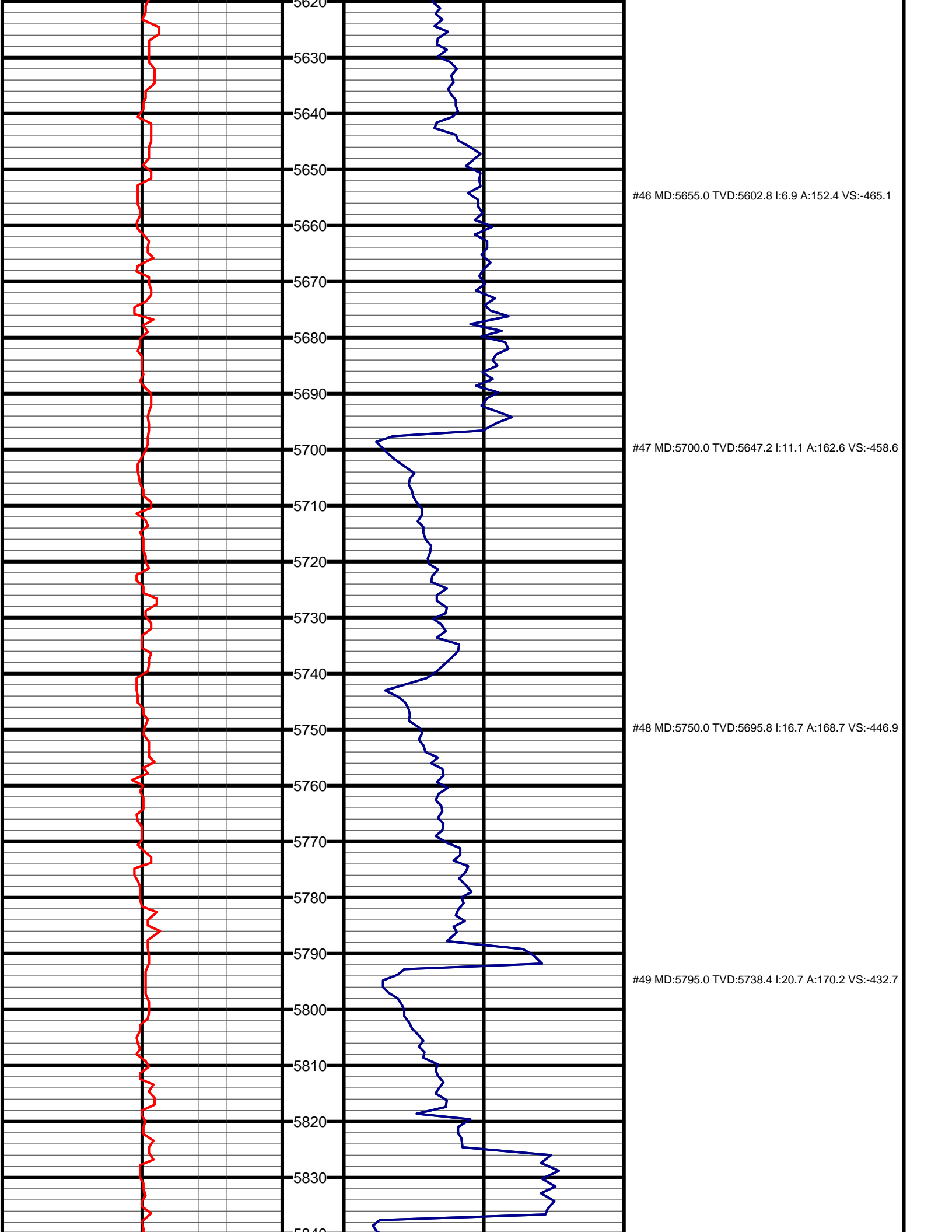
#42 MD:5275.0 TVD:5223.1 I:1.8 A:116.3 VS:-471.9

#43 MD:5370.0 TVD:5318.1 I:1.3 A:104.1 VS:-471.0



#44 MD:5465.0 TVD:5413.1 I:1.1 A:99.6 VS:-470.6

#45 MD:5560.0 TVD:5508.1 I:1.1 A:95.2 VS:-470.3

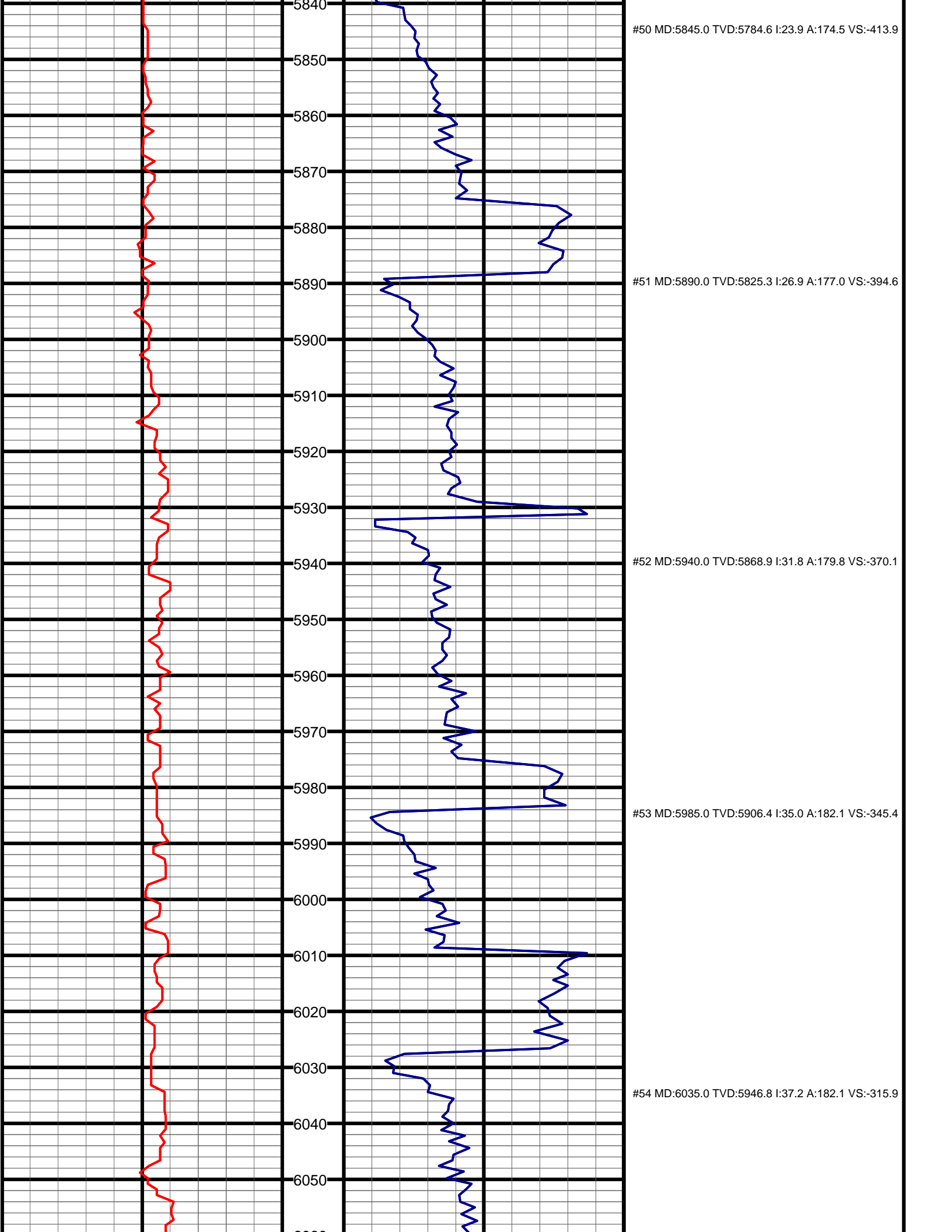


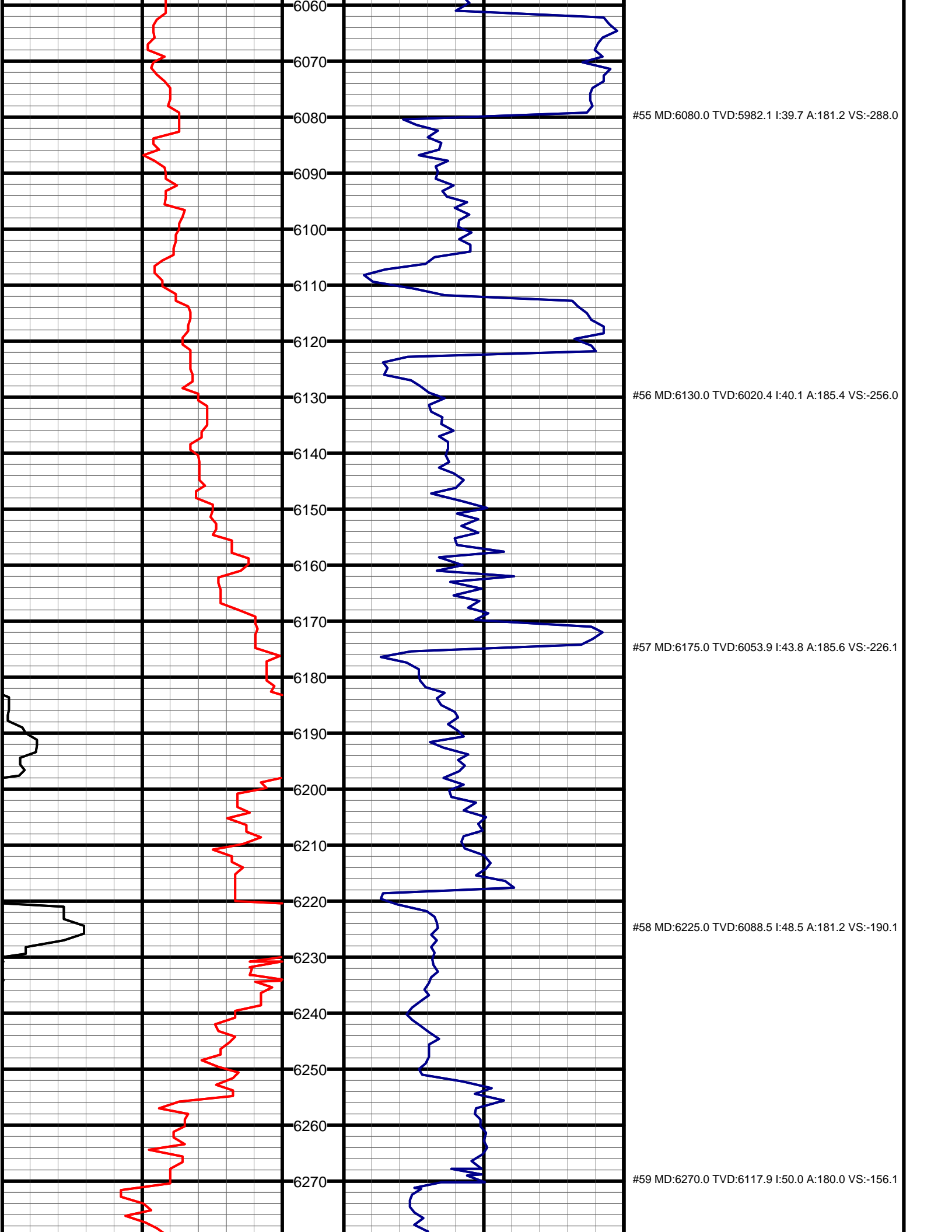
#46 MD:5655.0 TVD:5602.8 I:6.9 A:152.4 VS:-465.1

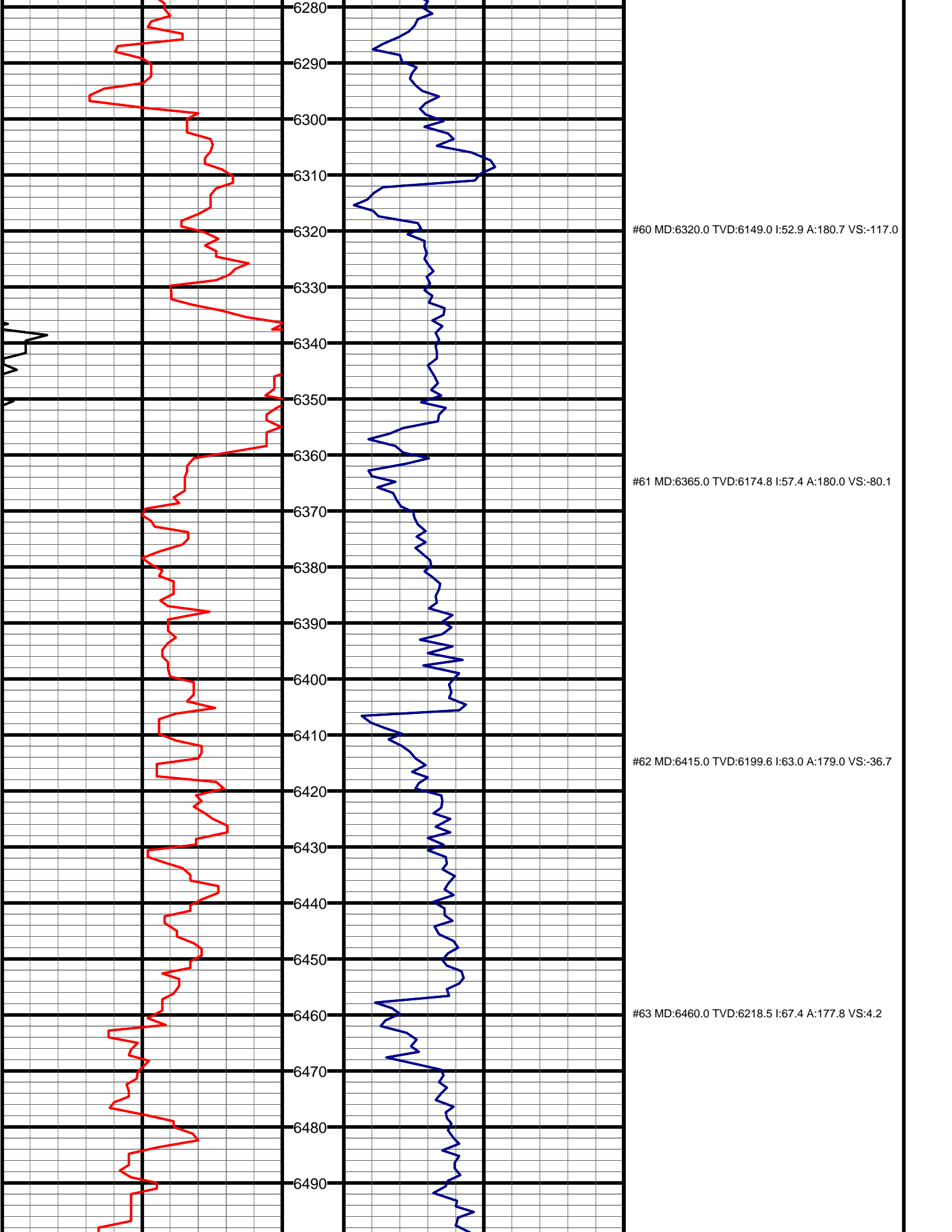
#47 MD:5700.0 TVD:5647.2 I:11.1 A:162.6 VS:-458.6

#48 MD:5750.0 TVD:5695.8 I:16.7 A:168.7 VS:-446.9

#49 MD:5795.0 TVD:5738.4 I:20.7 A:170.2 VS:-432.7





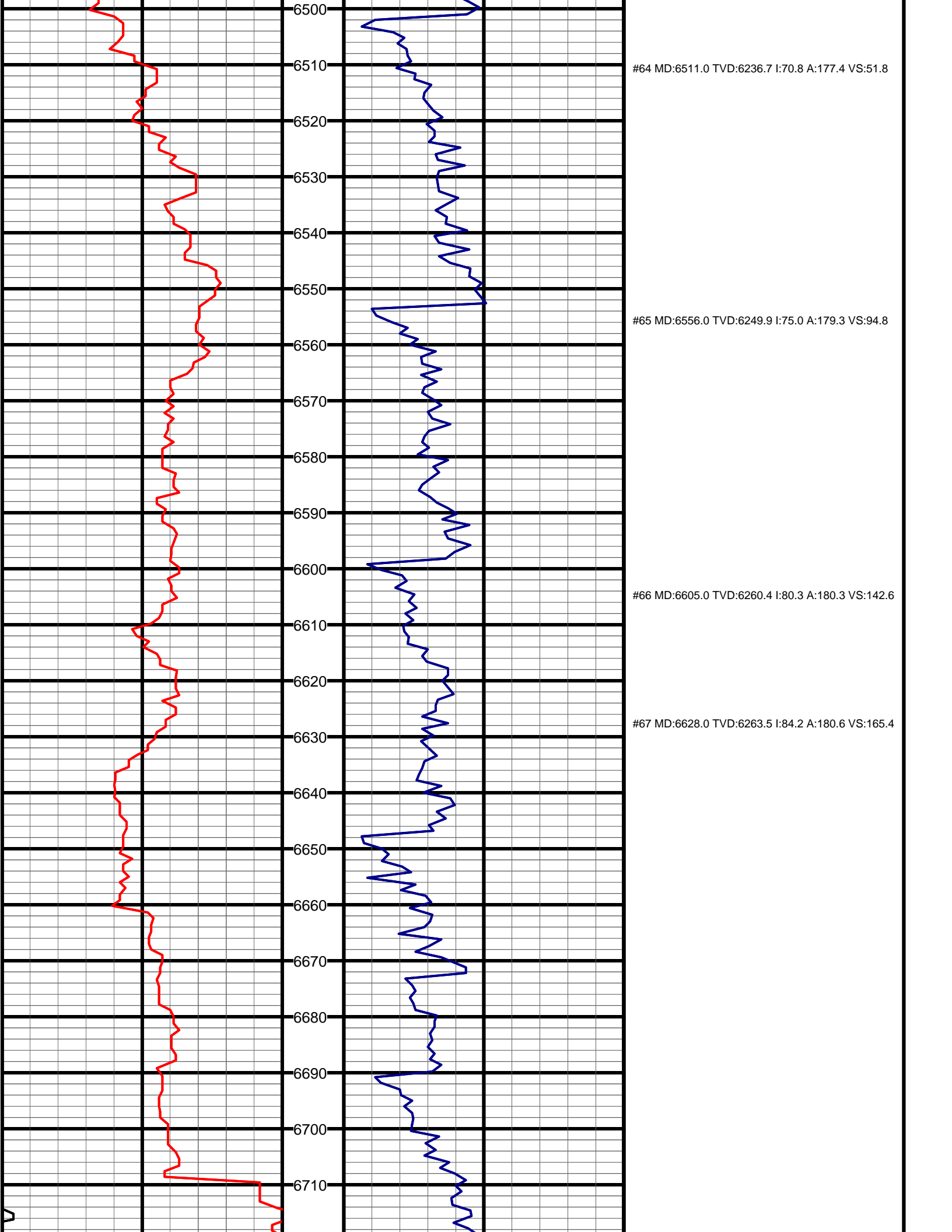


#60 MD:6320.0 TVD:6149.0 I:52.9 A:180.7 VS:-117.0

#61 MD:6365.0 TVD:6174.8 I:57.4 A:180.0 VS:-80.1

#62 MD:6415.0 TVD:6199.6 I:63.0 A:179.0 VS:-36.7

#63 MD:6460.0 TVD:6218.5 I:67.4 A:177.8 VS:4.2

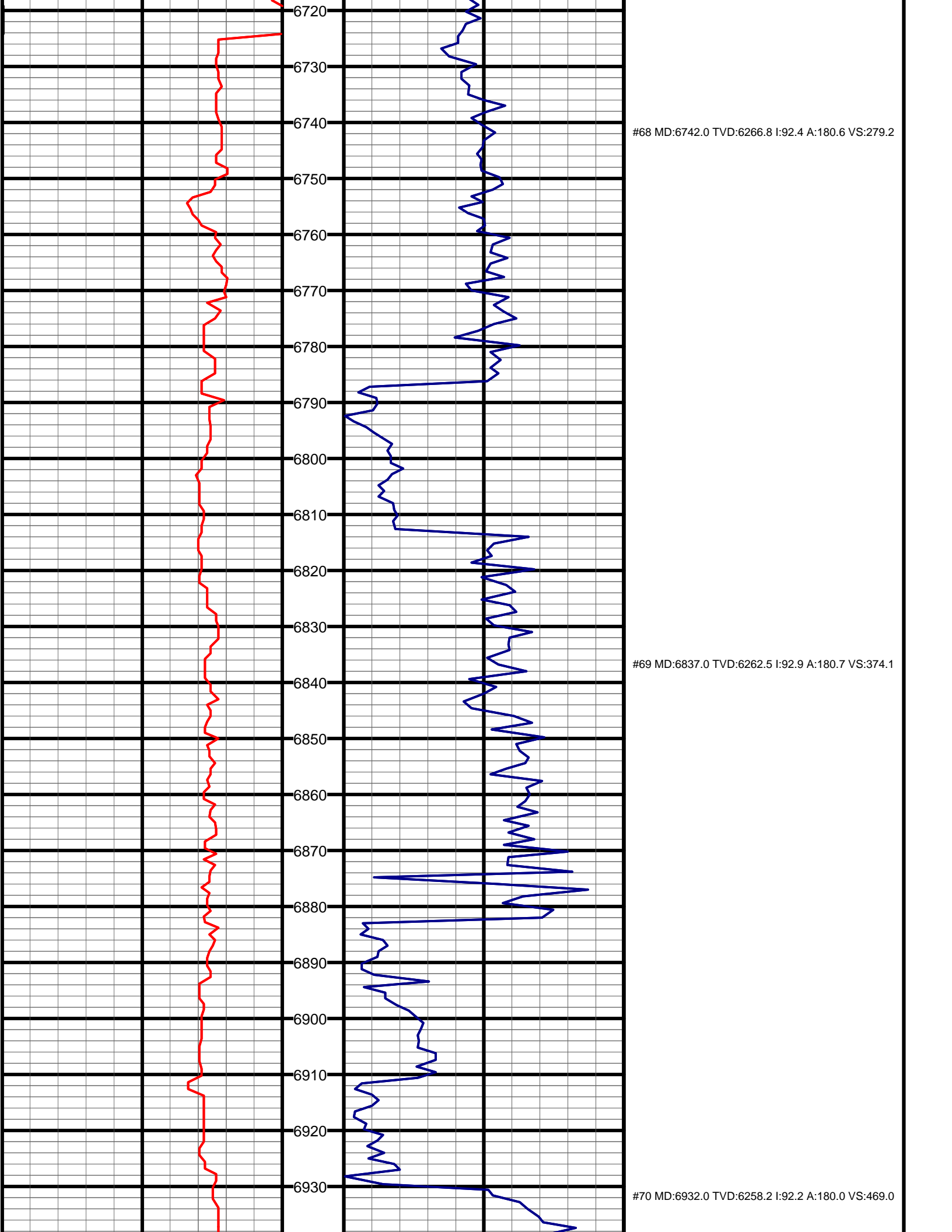


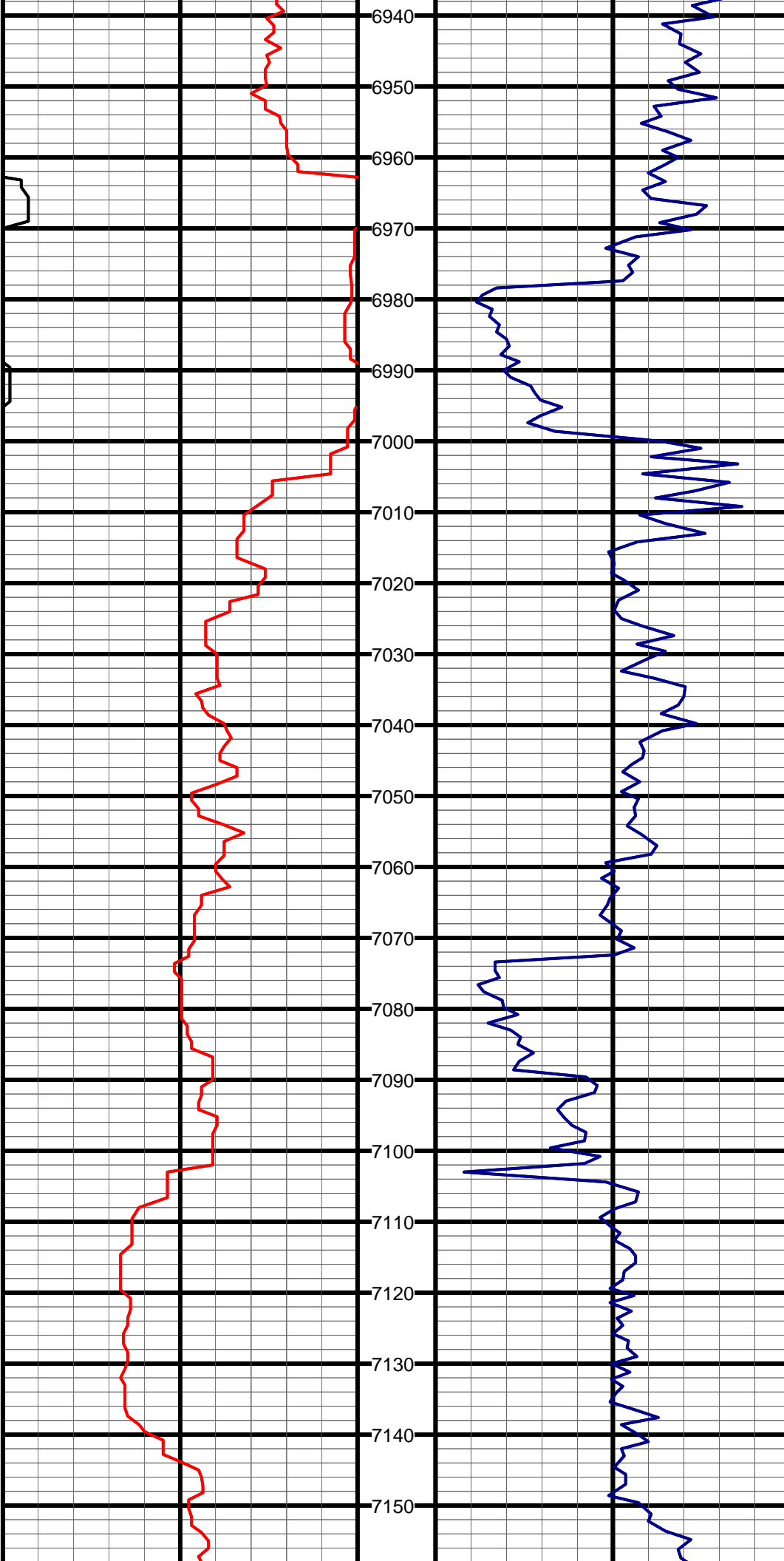
#64 MD:6511.0 TVD:6236.7 I:70.8 A:177.4 VS:51.8

#65 MD:6556.0 TVD:6249.9 I:75.0 A:179.3 VS:94.8

#66 MD:6605.0 TVD:6260.4 I:80.3 A:180.3 VS:142.6

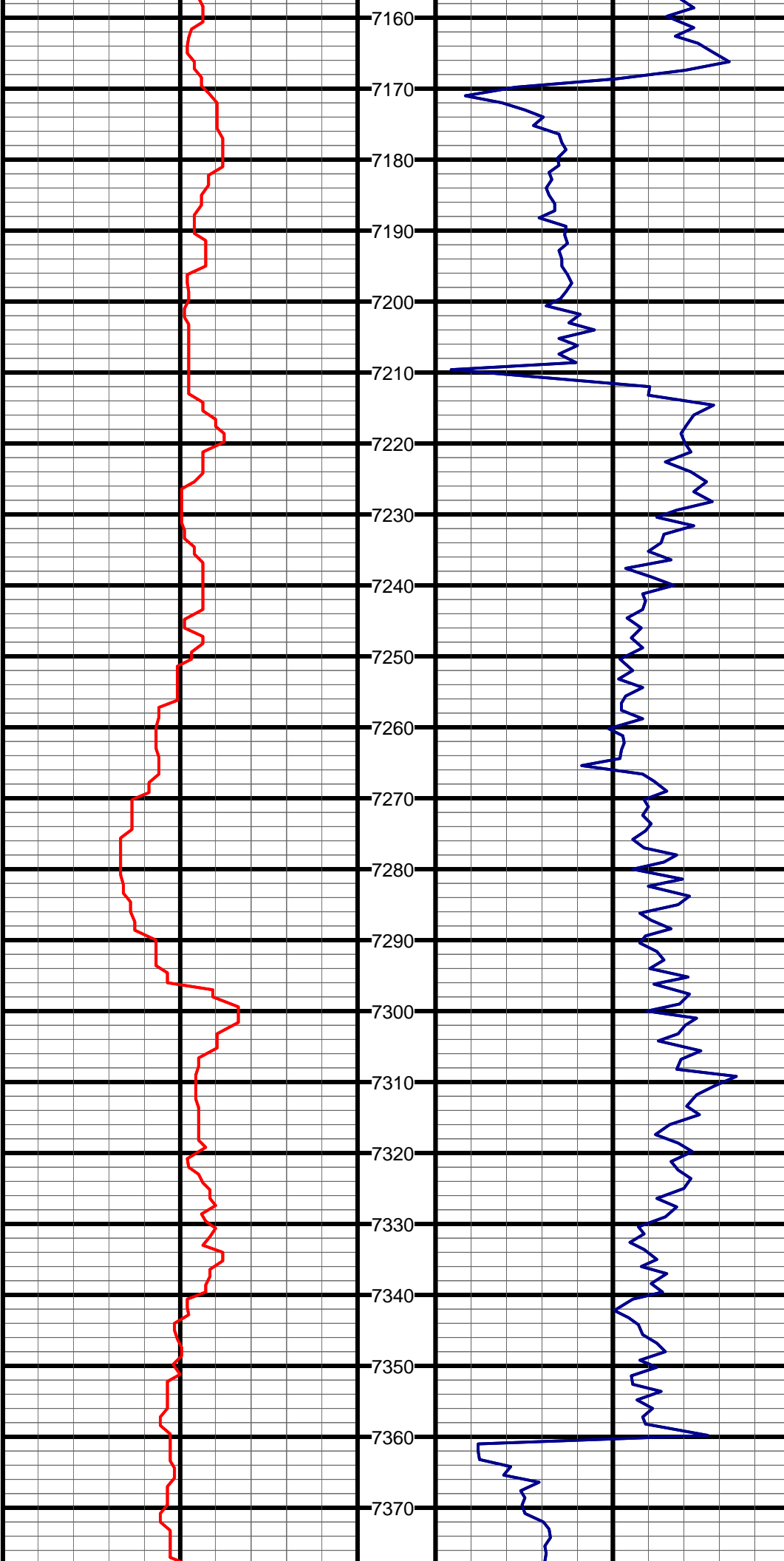
#67 MD:6628.0 TVD:6263.5 I:84.2 A:180.6 VS:165.4





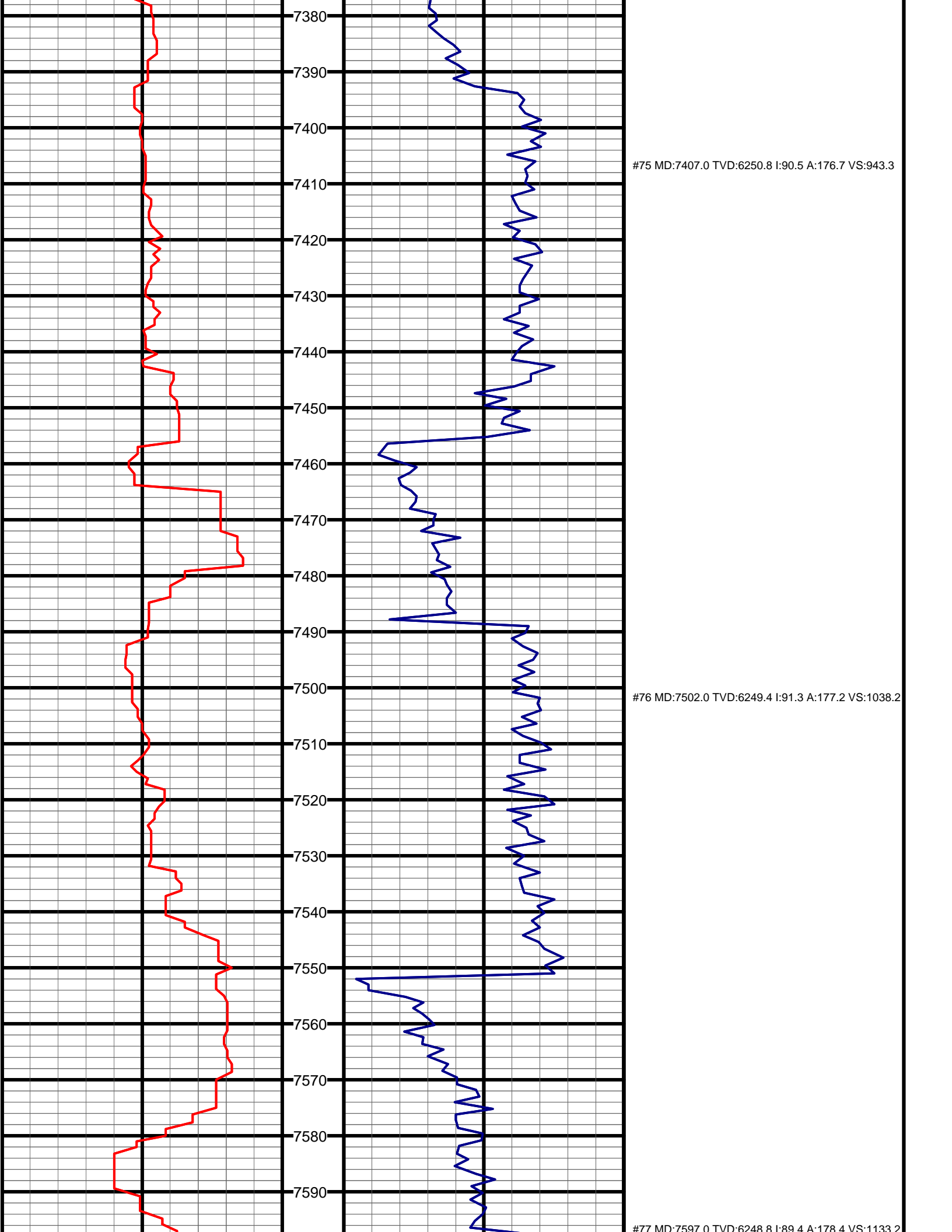
#71 MD:7027.0 TVD:6254.9 I:91.8 A:177.8 VS:563.9

#72 MD:7122.0 TVD:6252.0 I:91.7 A:176.8 VS:658.8



#73 MD:7217.0 TVD:6251.1 I:89.4 A:176.1 VS:753.7

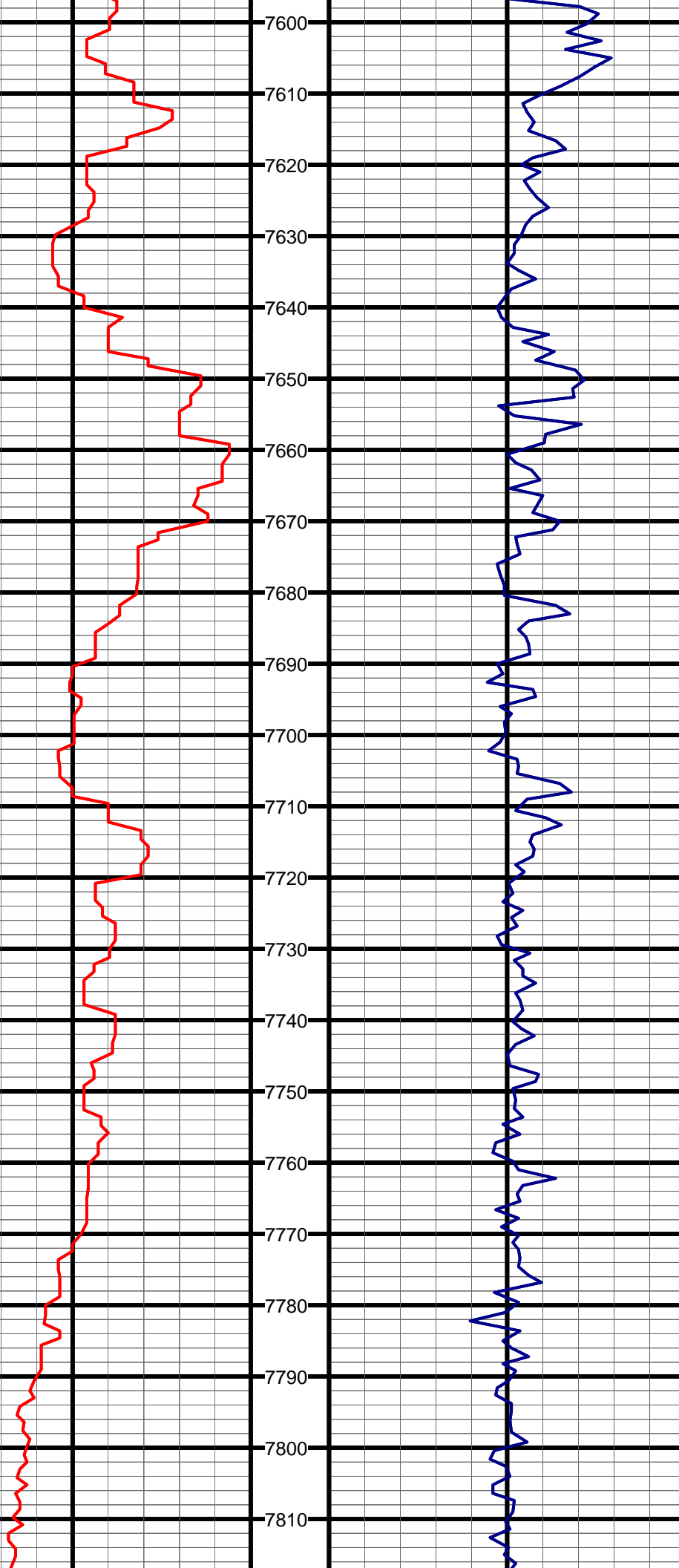
#74 MD:7312.0 TVD:6251.4 I:90.2 A:175.6 VS:848.5



#75 MD:7407.0 TVD:6250.8 I:90.5 A:176.7 VS:943.3

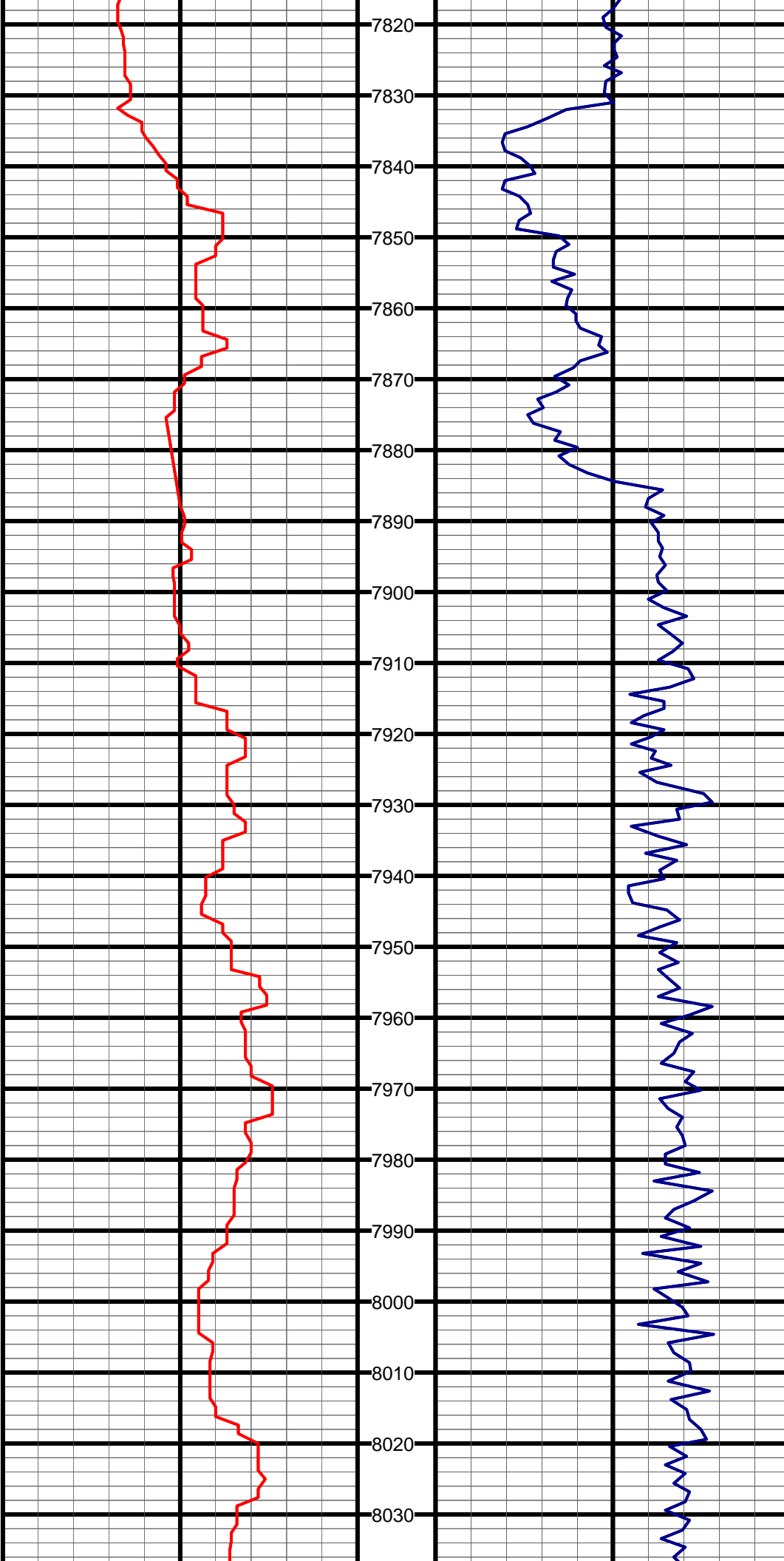
#76 MD:7502.0 TVD:6249.4 I:91.3 A:177.2 VS:1038.2

#77 MD:7597.0 TVD:6248.8 I:89.4 A:178.4 VS:1133.2



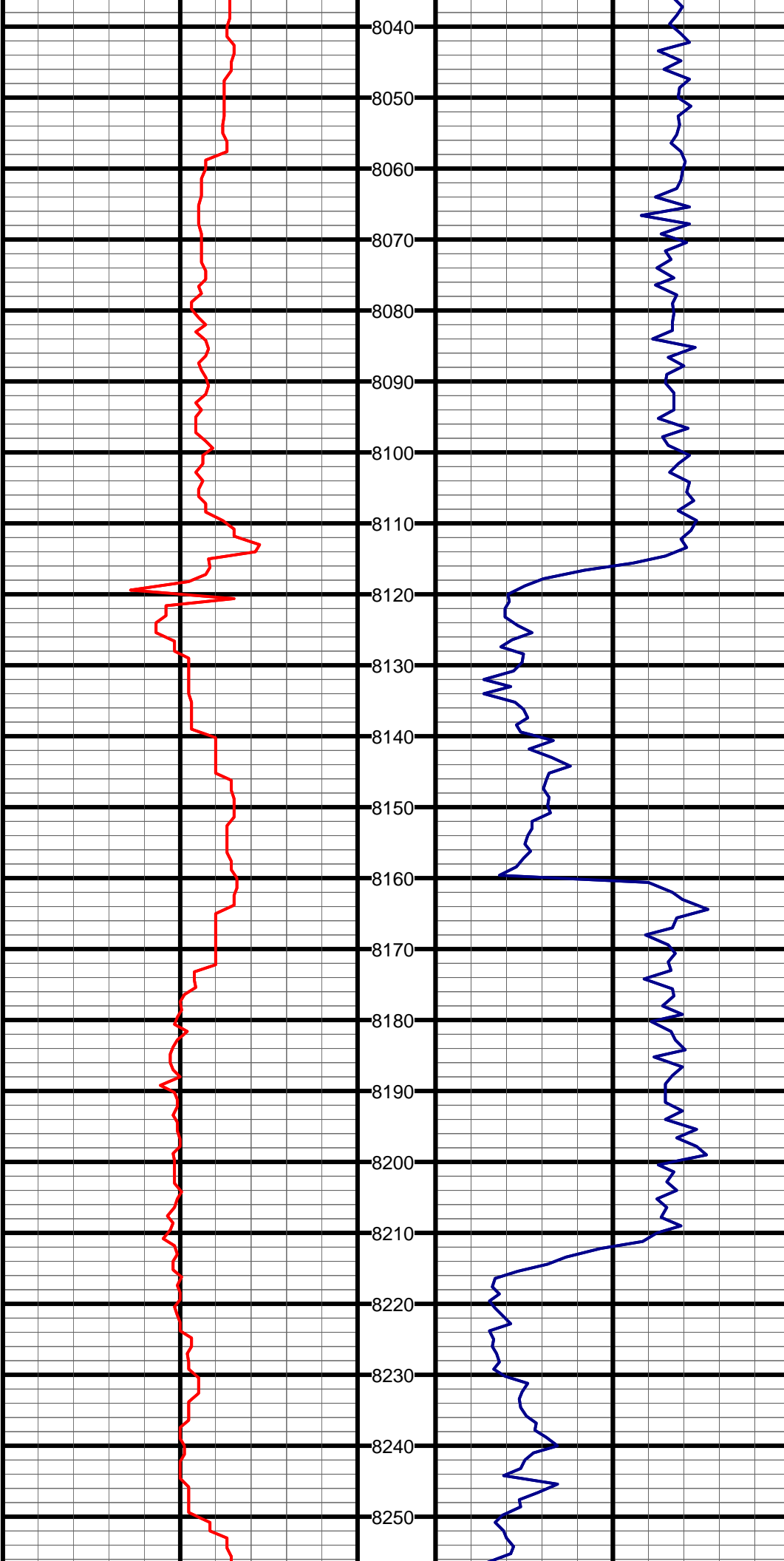
#78 MD:7691.0 TVD:6248.9 I:90.5 A:177.3 VS:1227.1

#79 MD:7786.0 TVD:6247.3 I:91.4 A:176.3 VS:1322.0



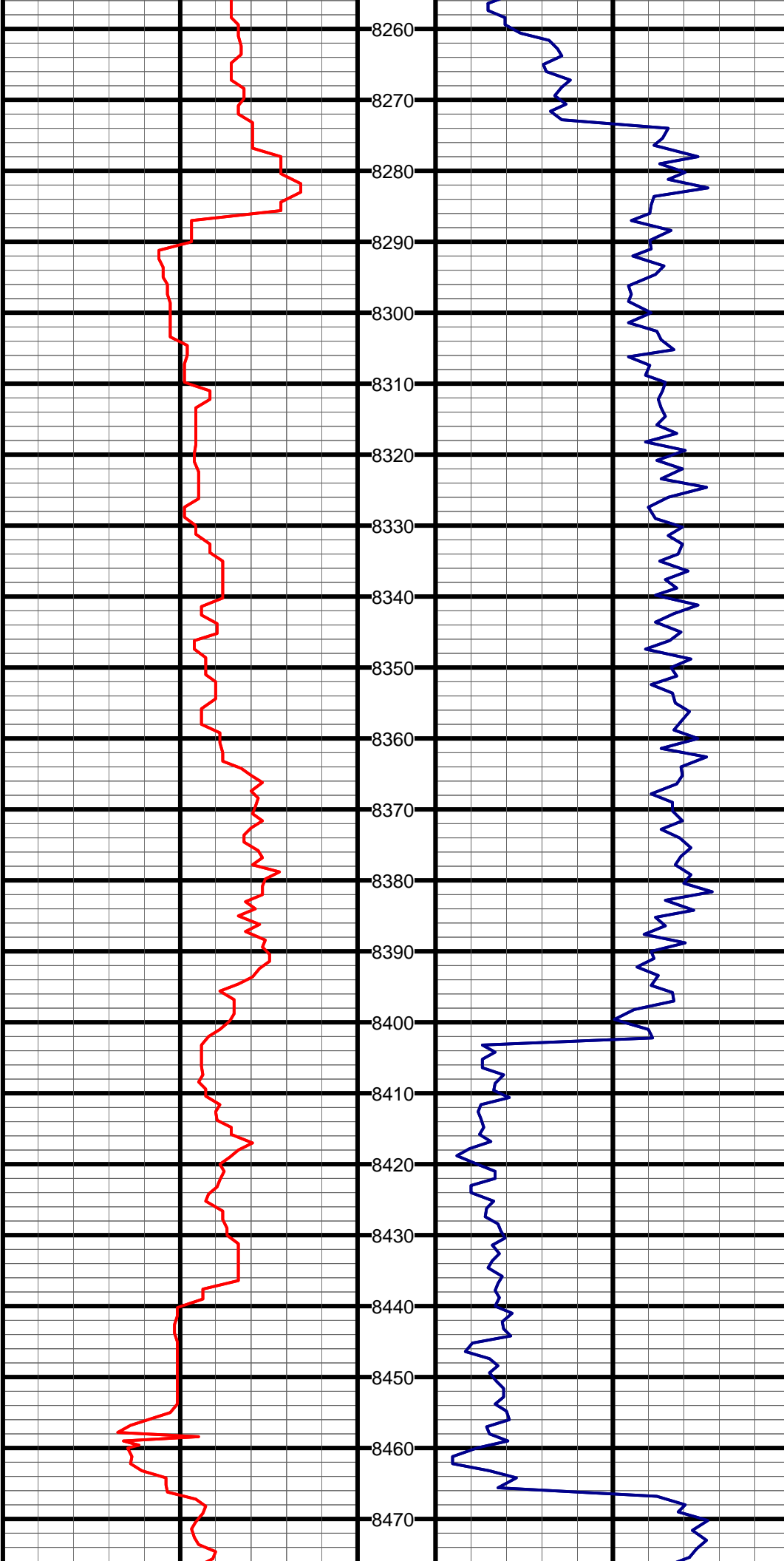
#80 MD:7881.0 TVD:6246.1 I:90.0 A:177.3 VS:1416.9

#81 MD:7976.0 TVD:6245.9 I:90.3 A:177.0 VS:1511.8



#82 MD:8071.0 TVD:6244.5 I:91.4 A:177.0 VS:1606.7

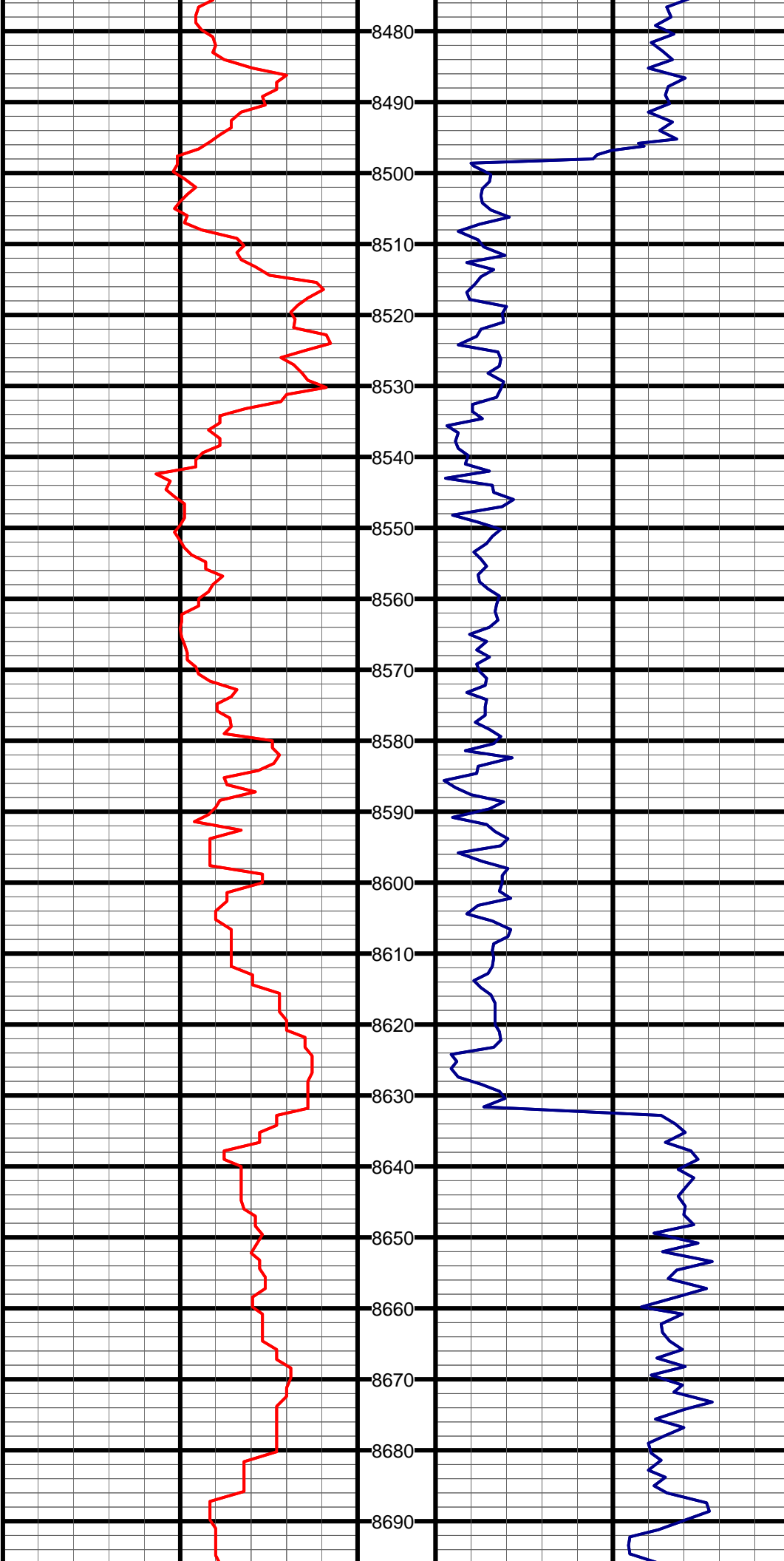
#83 MD:8166.0 TVD:6242.4 I:91.1 A:177.1 VS:1701.6



#84 MD:8261.0 TVD:6241.2 I:90.3 A:177.5 VS:1796.5

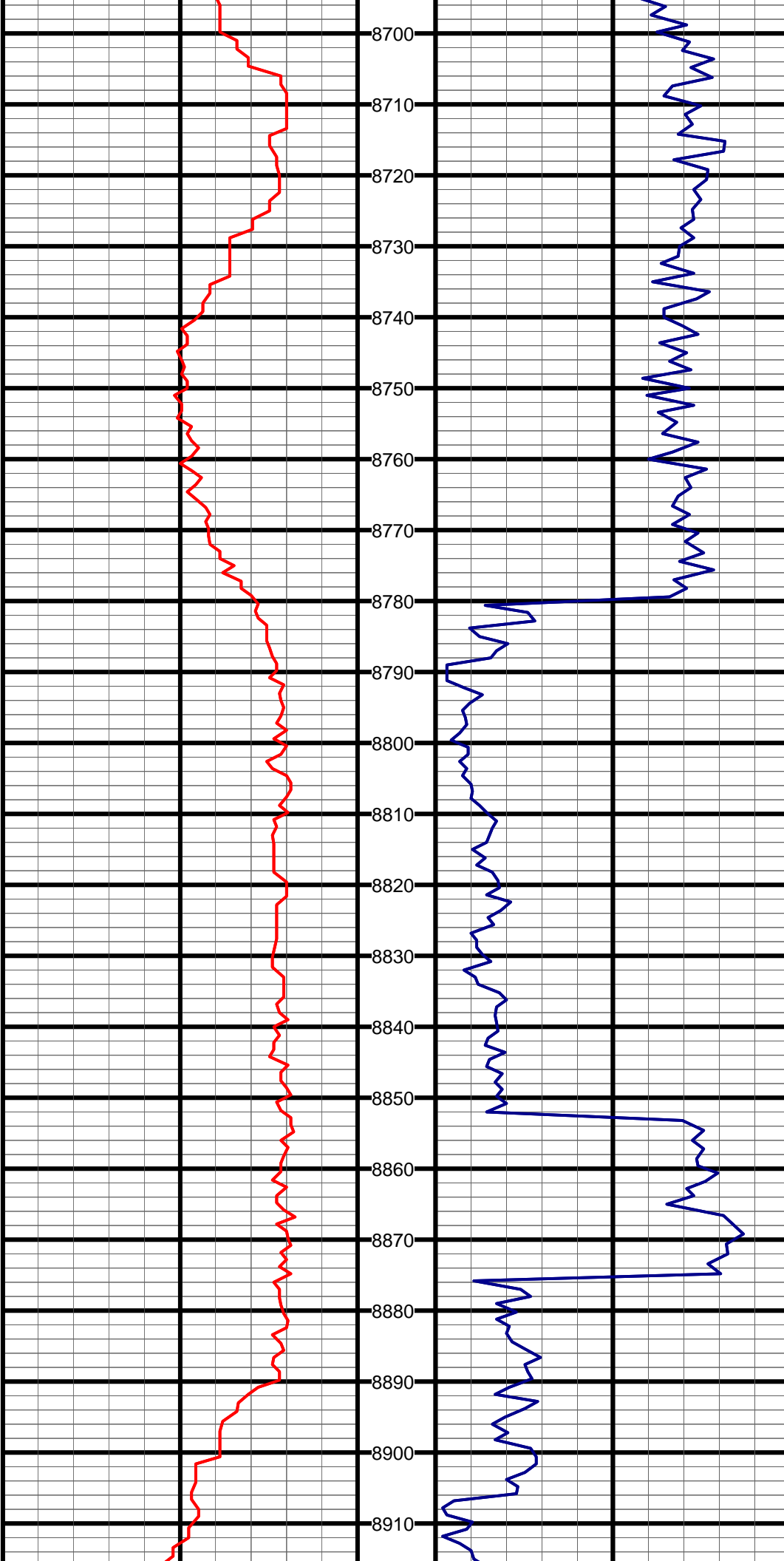
#85 MD:8356.0 TVD:6239.2 I:92.1 A:176.2 VS:1891.4

#86 MD:8451.0 TVD:6235.7 I:92.2 A:177.9 VS:1986.3



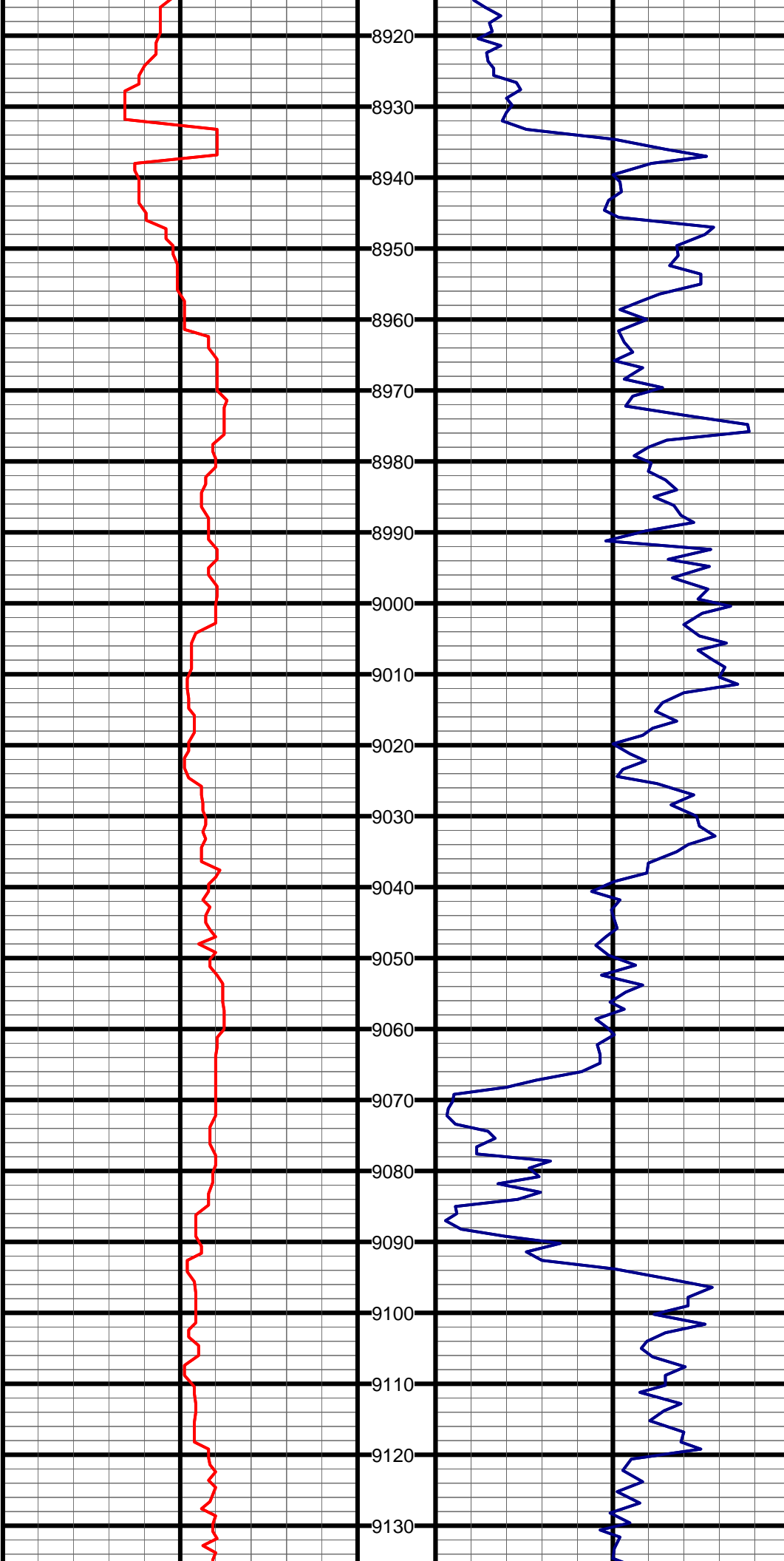
#87 MD:8546.0 TVD:6232.3 I:91.9 A:179.0 VS:2081.2

#88 MD:8641.0 TVD:6230.5 I:90.3 A:180.2 VS:2176.2



#89 MD:8736.0 TVD:6229.1 I:91.3 A:179.1 VS:2271.1

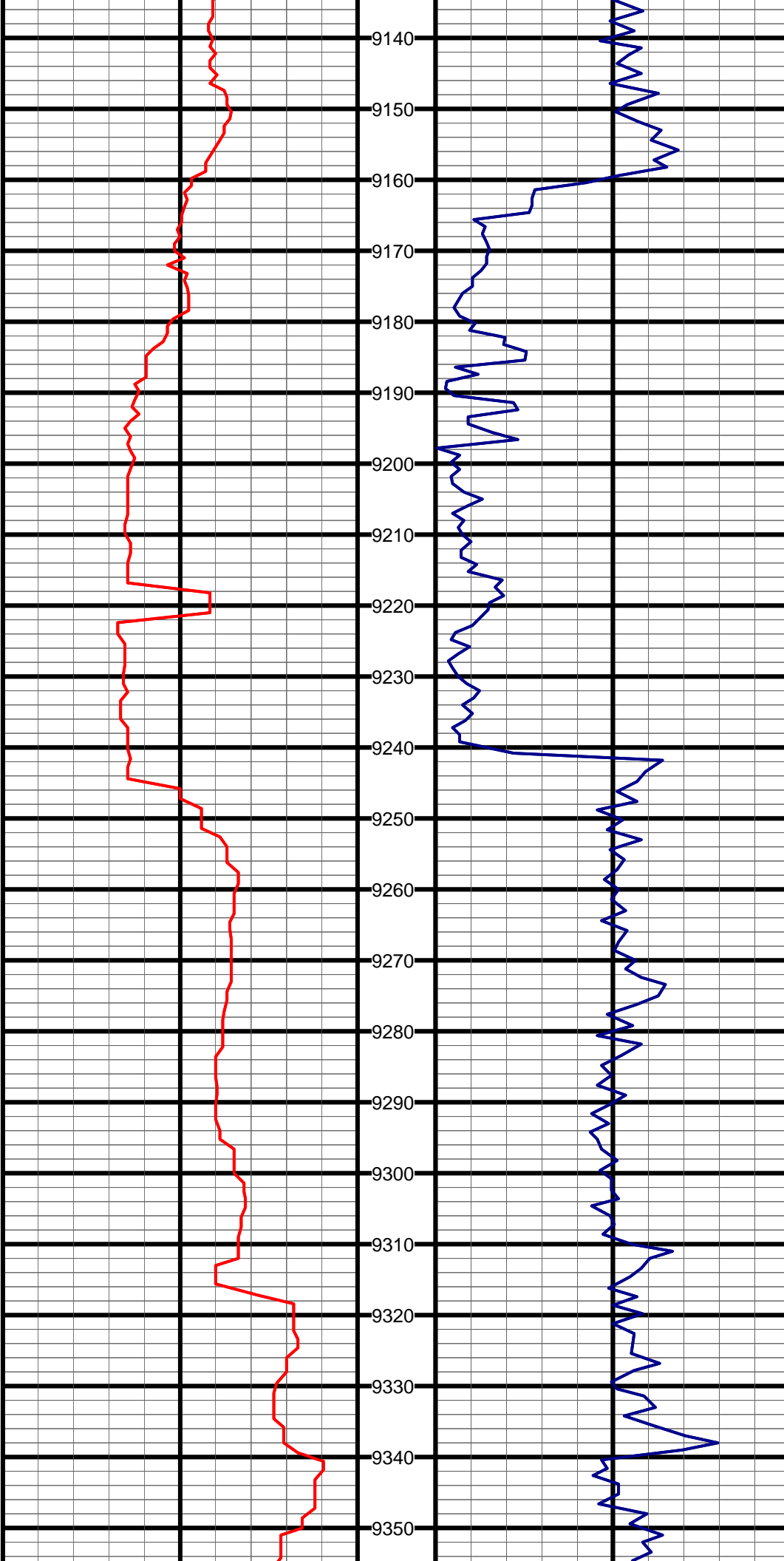
#90 MD:8831.0 TVD:6227.6 I:90.6 A:180.1 VS:2366.1



#91 MD:8927.0 TVD:6228.7 I:88.0 A:180.6 VS:2462.1

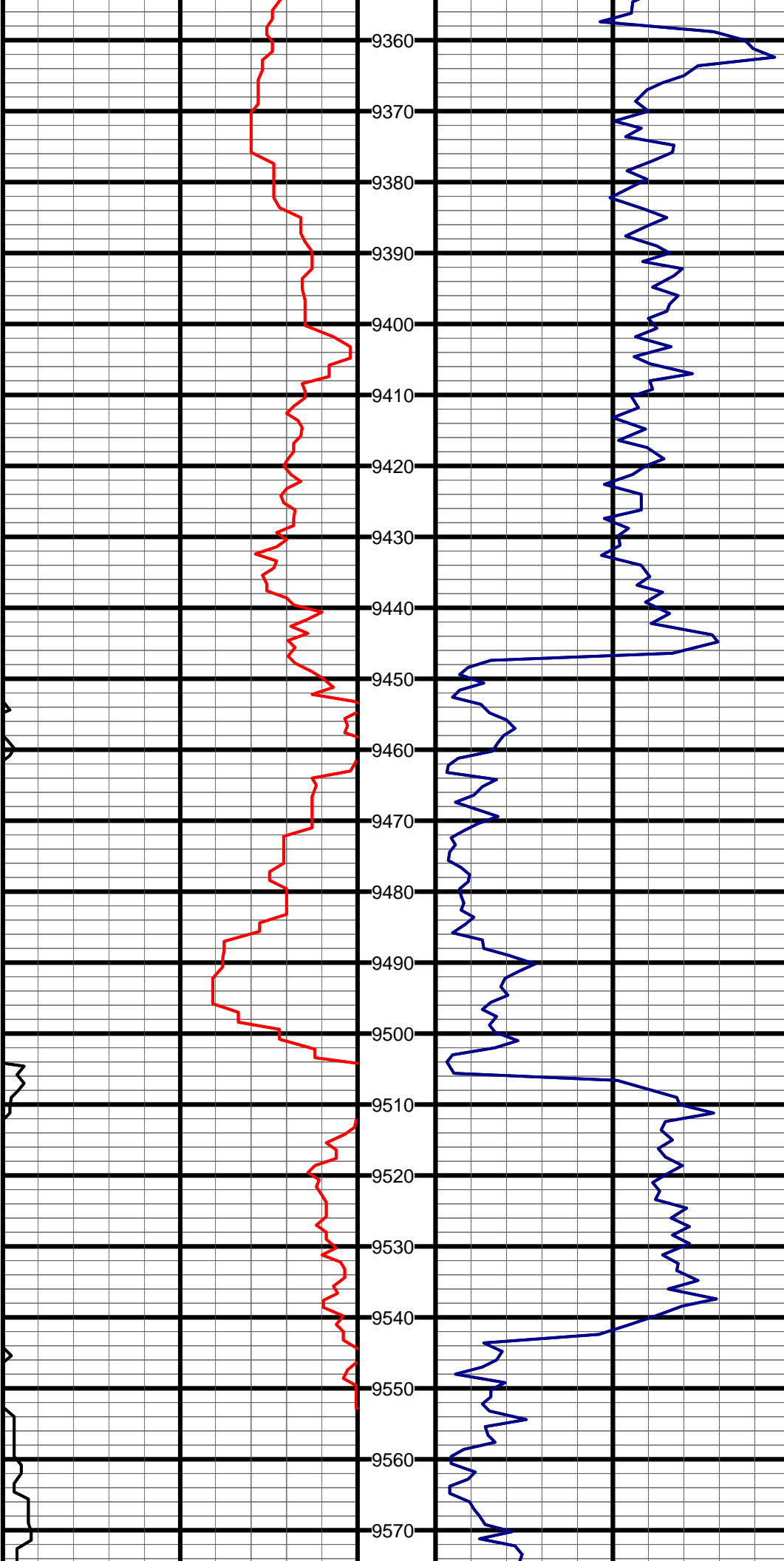
#92 MD:9021.0 TVD:6231.3 I:88.9 A:180.1 VS:2556.1

#93 MD:9116.0 TVD:6231.7 I:90.6 A:180.2 VS:2651.0



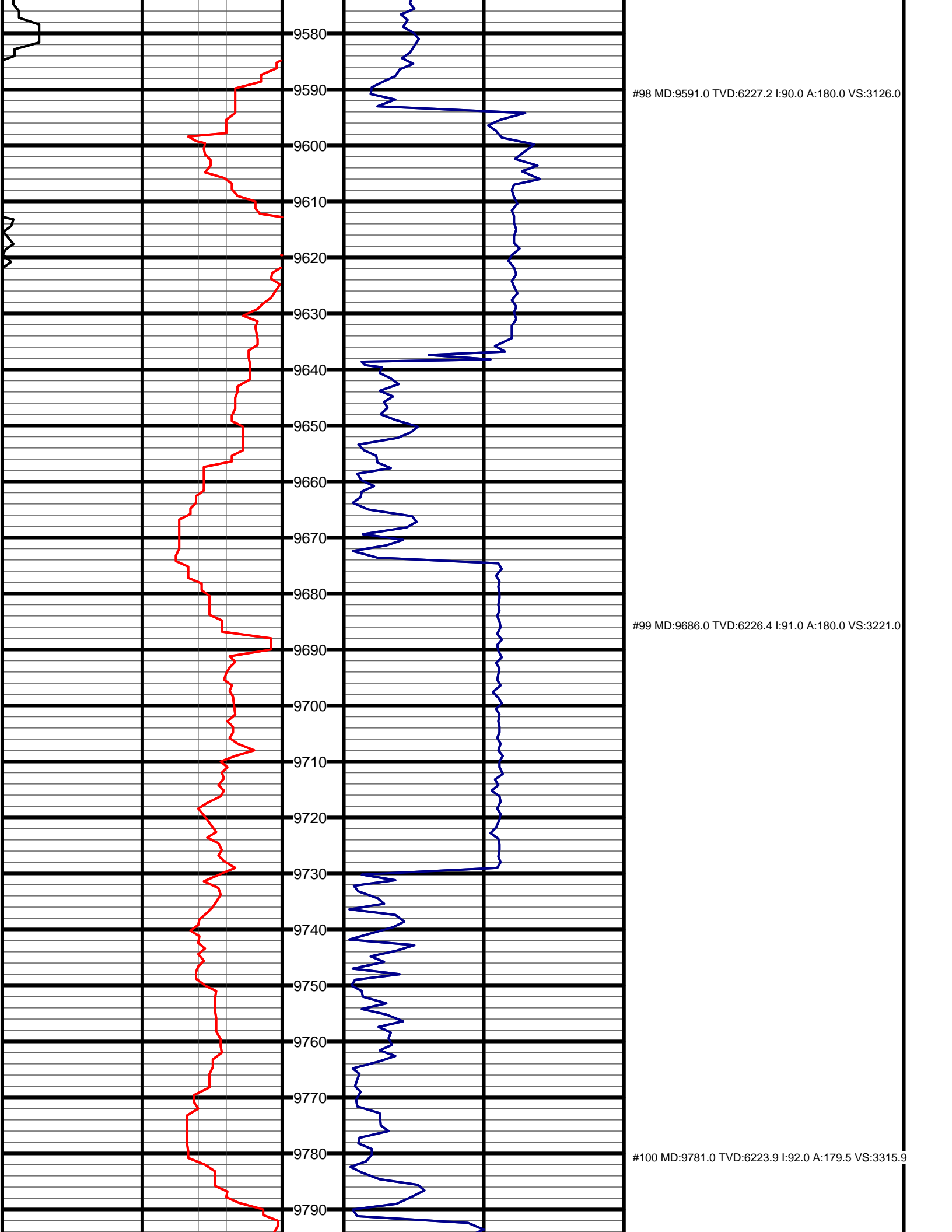
#94 MD:9211.0 TVD:6231.2 I:90.0 A:180.1 VS:2746.0

#95 MD:9306.0 TVD:6231.4 I:89.7 A:180.2 VS:2841.0



#96 MD:9401.0 TVD:6230.4 I:91.5 A:179.4 VS:2936.0

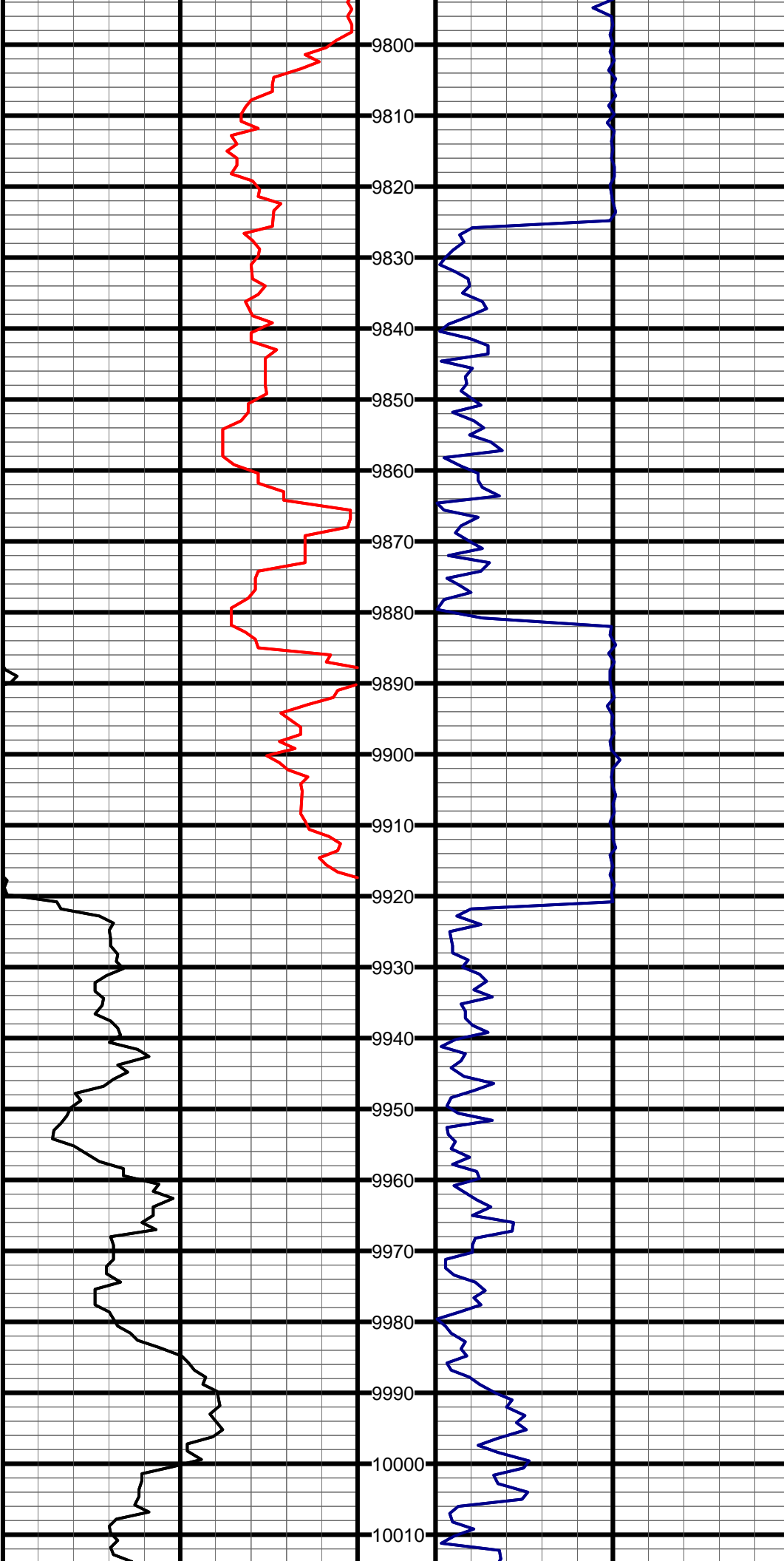
#97 MD:9496.0 TVD:6228.2 I:91.2 A:179.3 VS:3031.0



#98 MD:9591.0 TVD:6227.2 I:90.0 A:180.0 VS:3126.0

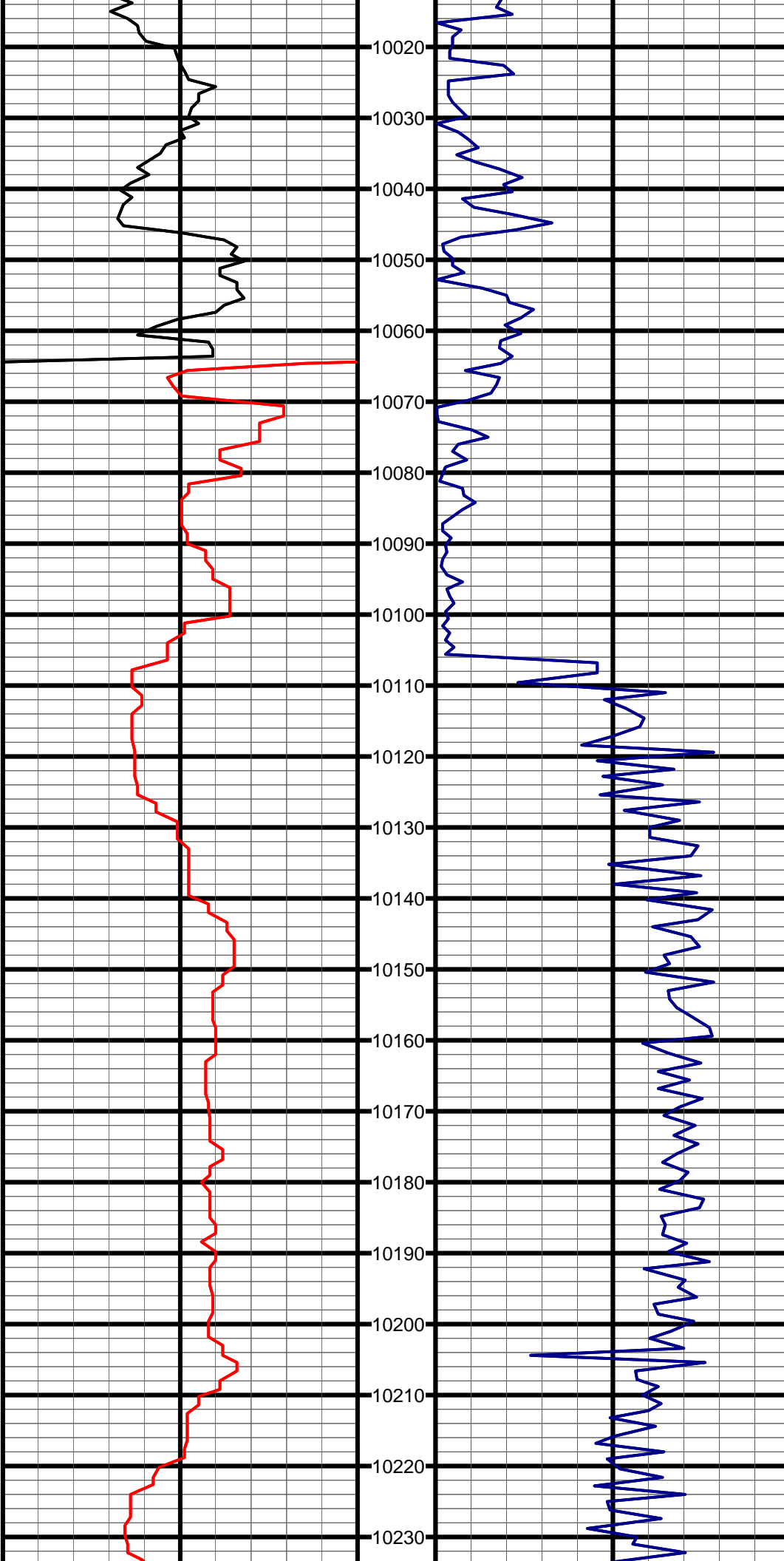
#99 MD:9686.0 TVD:6226.4 I:91.0 A:180.0 VS:3221.0

#100 MD:9781.0 TVD:6223.9 I:92.0 A:179.5 VS:3315.9



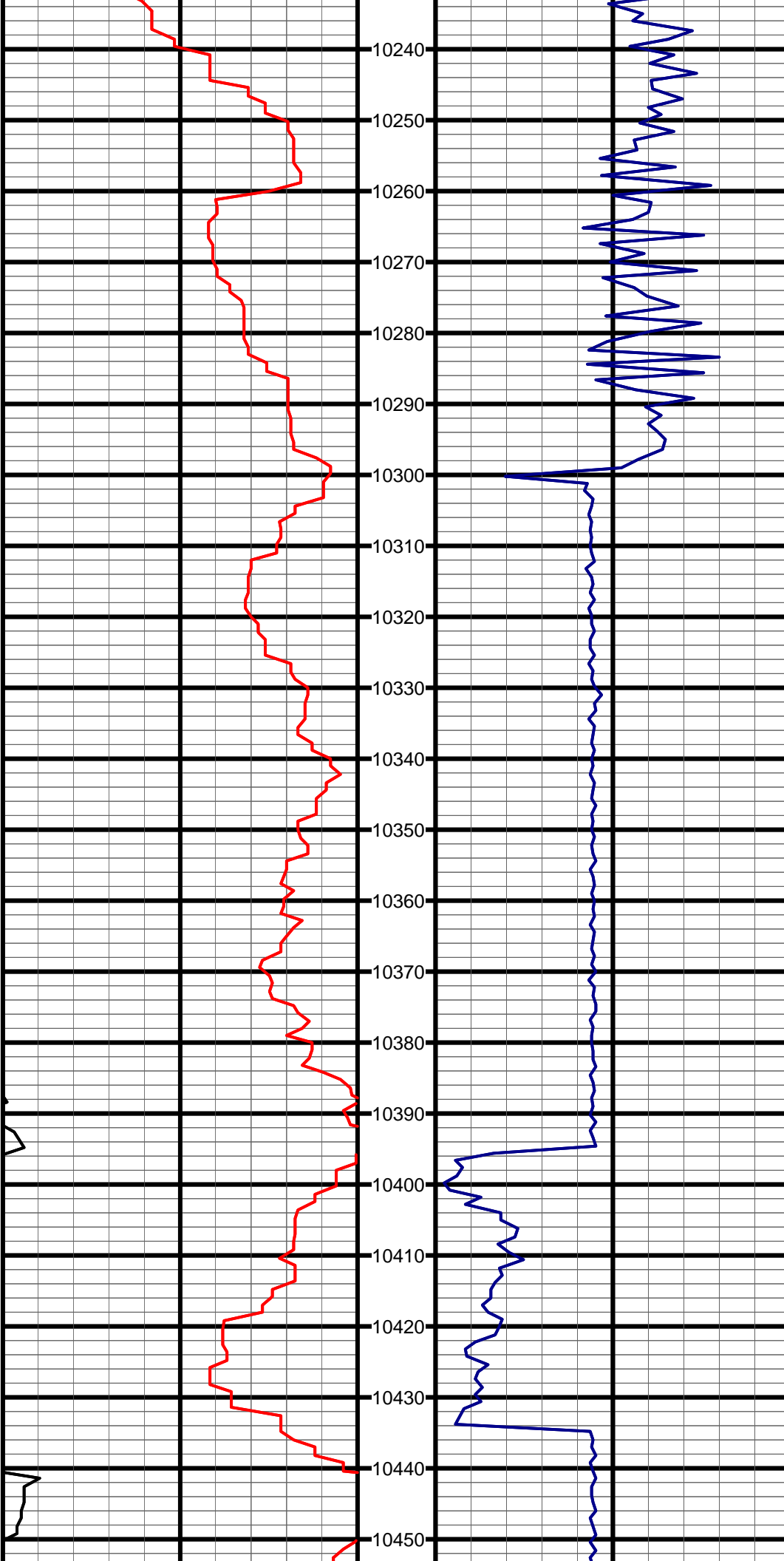
#101 MD:9876.0 TVD:6219.7 I:93.1 A:179.3 VS:3410.8

#102 MD:9971.0 TVD:6214.4 I:93.2 A:179.5 VS:3505.7



#103 MD:10066.0 TVD:6212.0 I:89.7 A:181.1 VS:3600.6

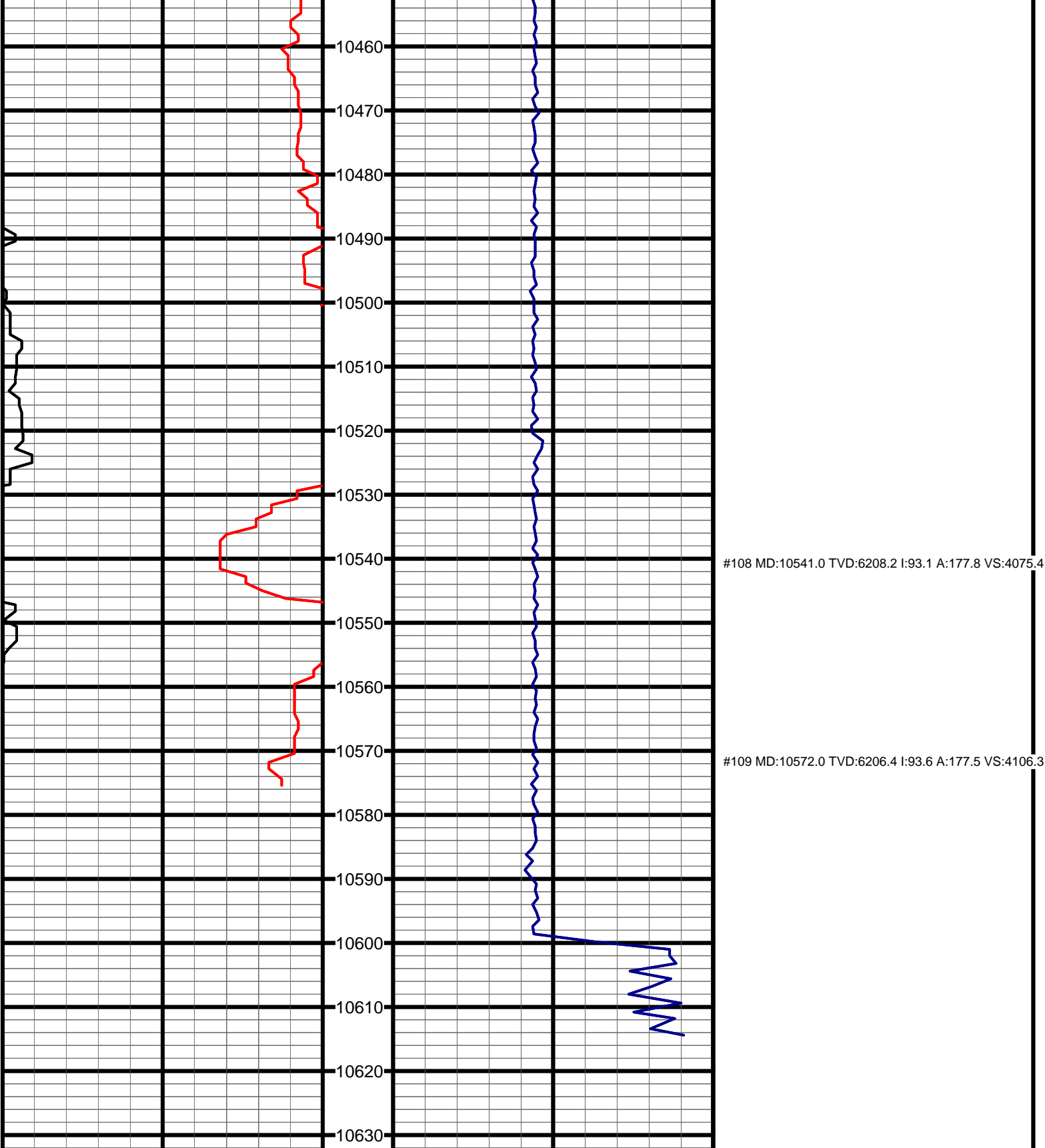
#104 MD:10161.0 TVD:6213.7 I:88.3 A:180.4 VS:3695.6



#105 MD:10256.0 TVD:6215.7 I:89.3 A:180.1 VS:3790.6

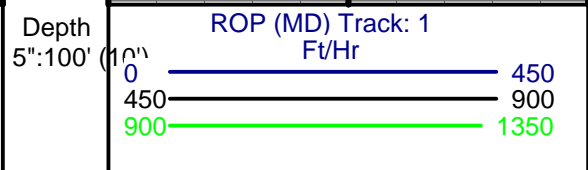
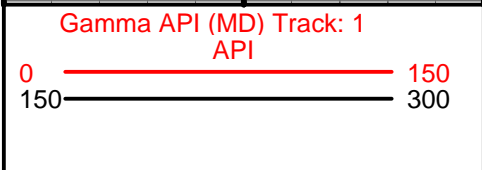
#106 MD:10351.0 TVD:6214.8 I:91.8 A:178.8 VS:3885.6

#107 MD:10446.0 TVD:6212.0 I:91.5 A:179.1 VS:3980.5



#108 MD:10541.0 TVD:6208.2 I:93.1 A:177.8 VS:4075.4

#109 MD:10572.0 TVD:6206.4 I:93.6 A:177.5 VS:4106.3



Depth  
5":100'

