



Digital Drilling Data
Systems, LLC

GeoLogPlot

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

Company: Cathedral
Well: Frederiksen 1A-28H
Field: DJ Basin
Well ID: 400143158
Job Number: 115281
Location: DJ Basin
Operator 1: Otha
Operator 2: Aaron Evans

State: Colorado
County: Weld
Country: USA

Elev KB: 4989
Elev DF:
Elev GL: 4976

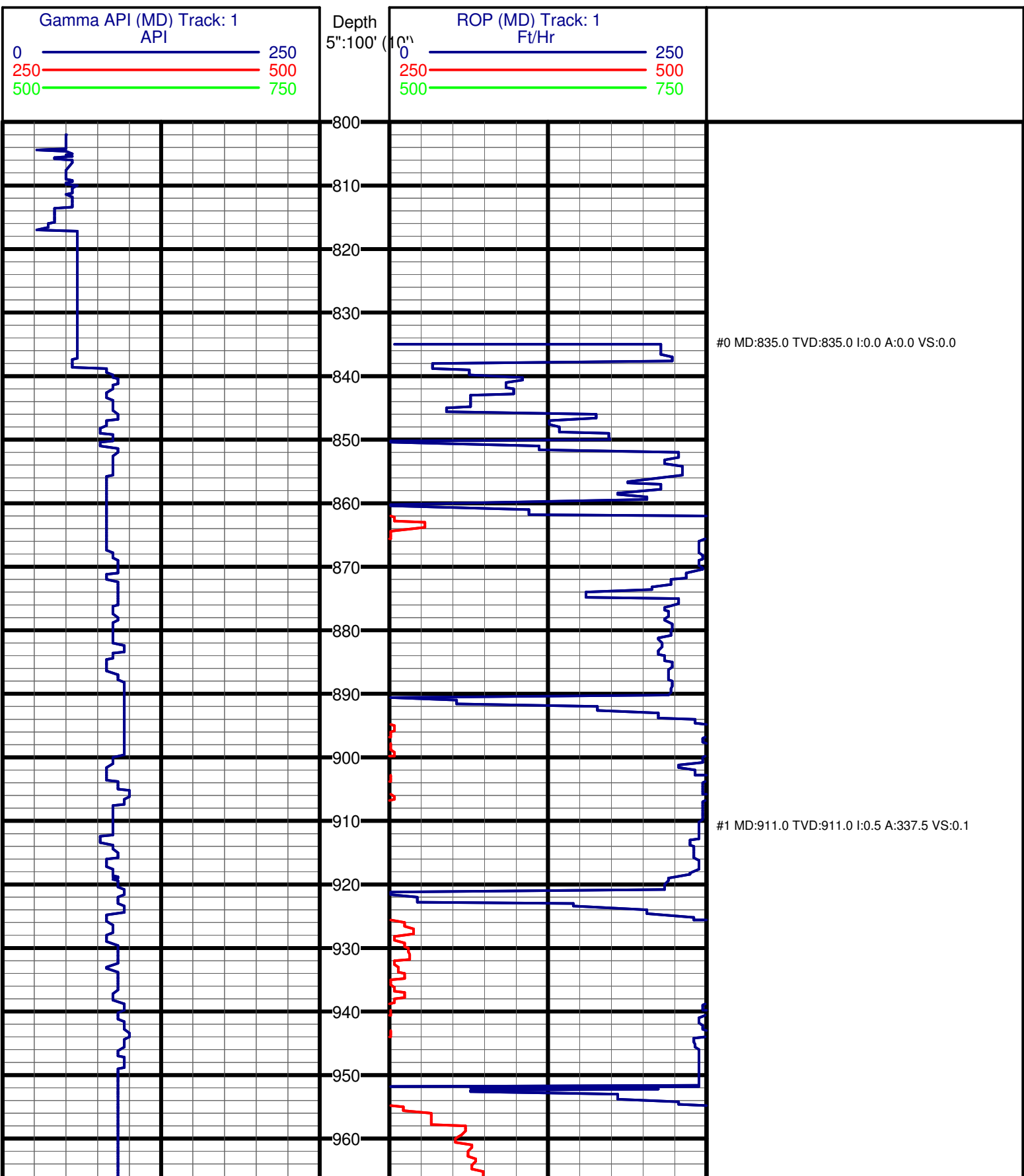
Comment 1:
Comment 2:
Comment 3:
Comment 4:
Comment 5:

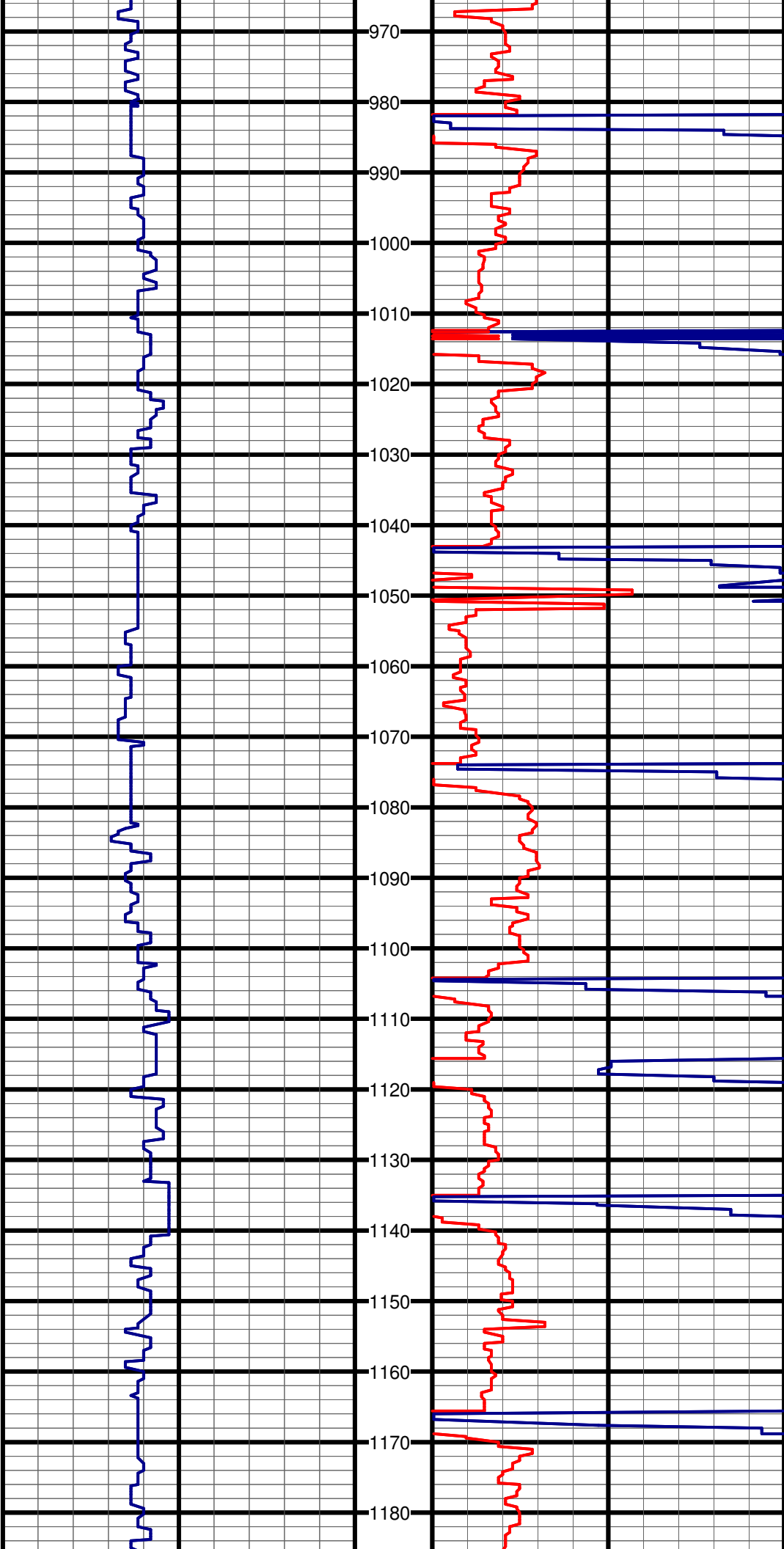
Hole Data			Casing Record			
Size	From	To	Size	From	To	
12.25	0	835	9 5/8	0	835	
8.75	835	7518	7	0	7518	
6.125	7518	11663	4.5	7518	11663	

Tool Run Data		Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N		1120	1120	1161	1120	1120
Cal Factor		4.56	4.56	4.56	4.56	4.56
Gamma Offset		33	49	40	40	40
Start Depth		835	4612	4860	4860	6998
Start Date		7/20	7/23	7/26	7/26	7/28
Start Time		18:00	3:00	3:00	14:00	5:30
End Depth		4612	4860	4860	6998	7543
End Date		7/23	7/25	7/26	7/27	7/30
End Time		18:00	18:00	12:00	19:00	6:00

Tool Run Data	Run #6	Run #7	Run #8	Run #9	Run #10
Tool S/N	1120	1120	1165		
Cal Factor	4.56	4.56	4.56		
Offset	76	43	44		
Start Depth	7543	9222	11254		
Start Date	8/2	8/4	8/7		
Start Time	5:30	2:20	16:00		
End Depth	9222	11254	11663		
End Date	8/4	8/7	8/8		
End Time	12:30	4:00	14:00		
Tool Run Data	Run #11	Run #12	Run #13	Run #14	Run #15
Tool S/N					
Cal Factor					
Offset					
Start Depth					
Start Date					
Start Time					
End Depth					

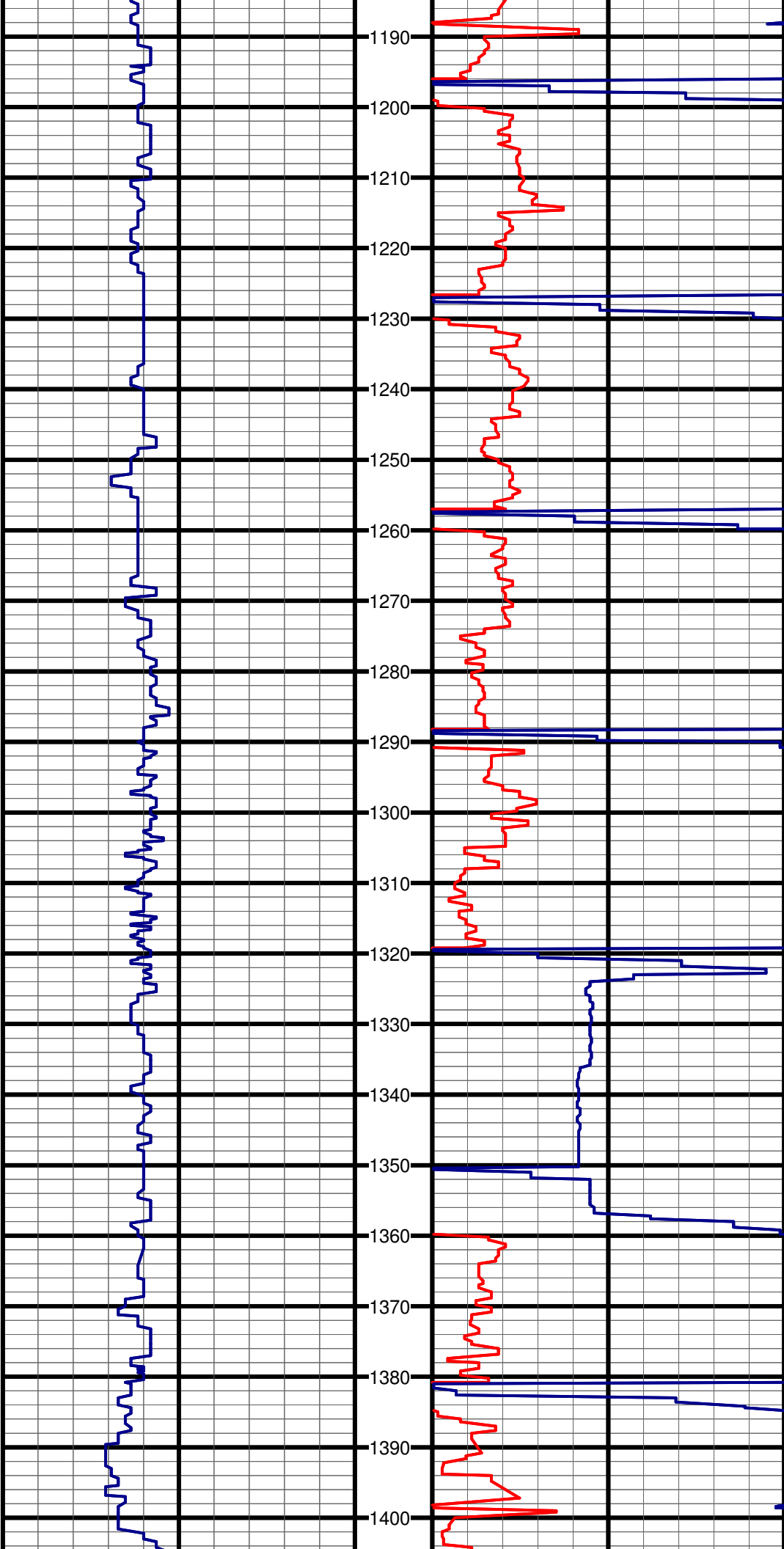
End Date					
End Time					





#2 MD:1003.0 TVD:1003.0 I:1.1 A:125.0 VS:-0.4

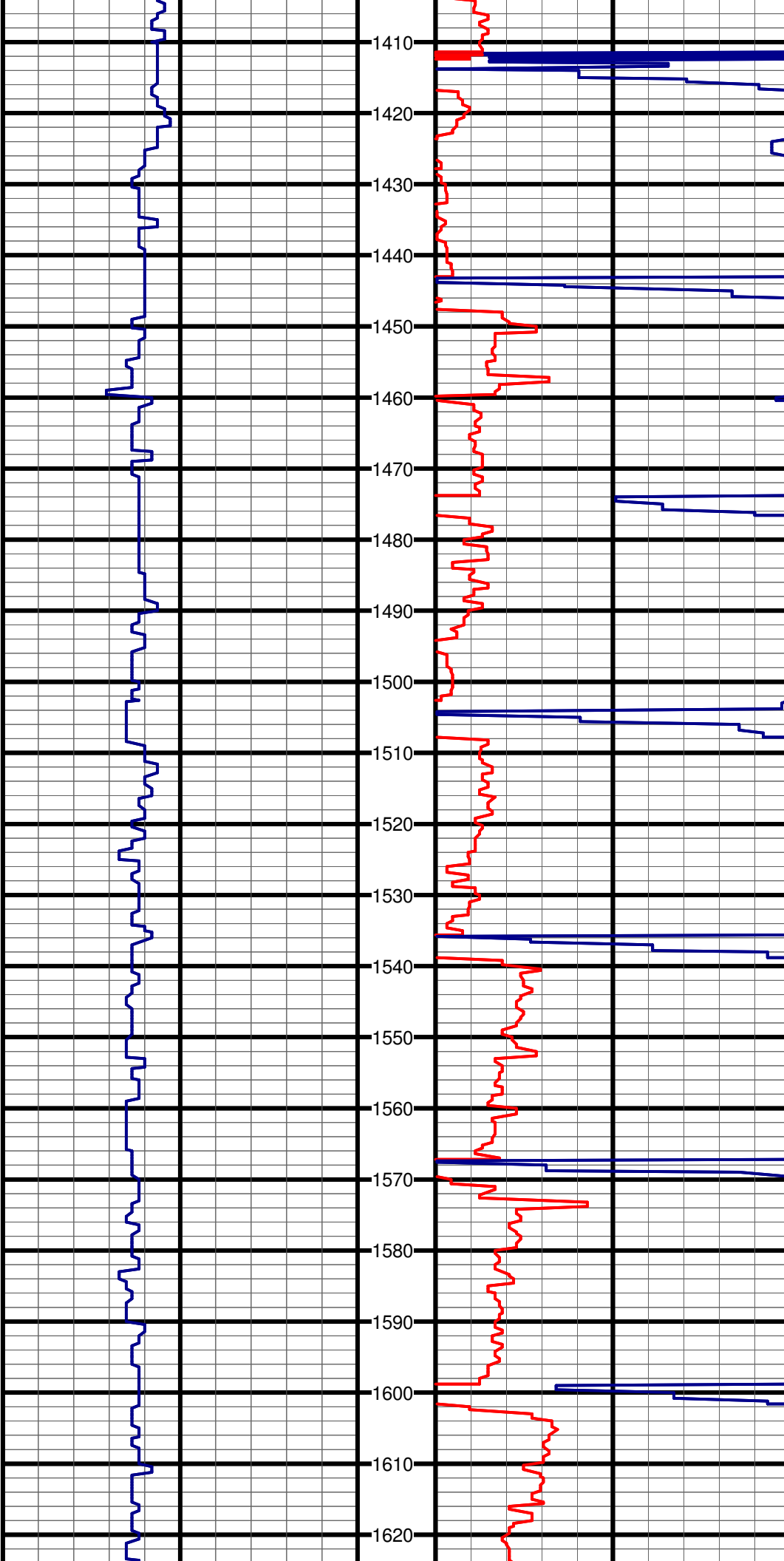
#3 MD:1095.0 TVD:1095.0 I:1.1 A:321.9 VS:-0.6



#4 MD:1187.0 TVD:1187.0 I:1.2 A:17.0 VS:-0.3

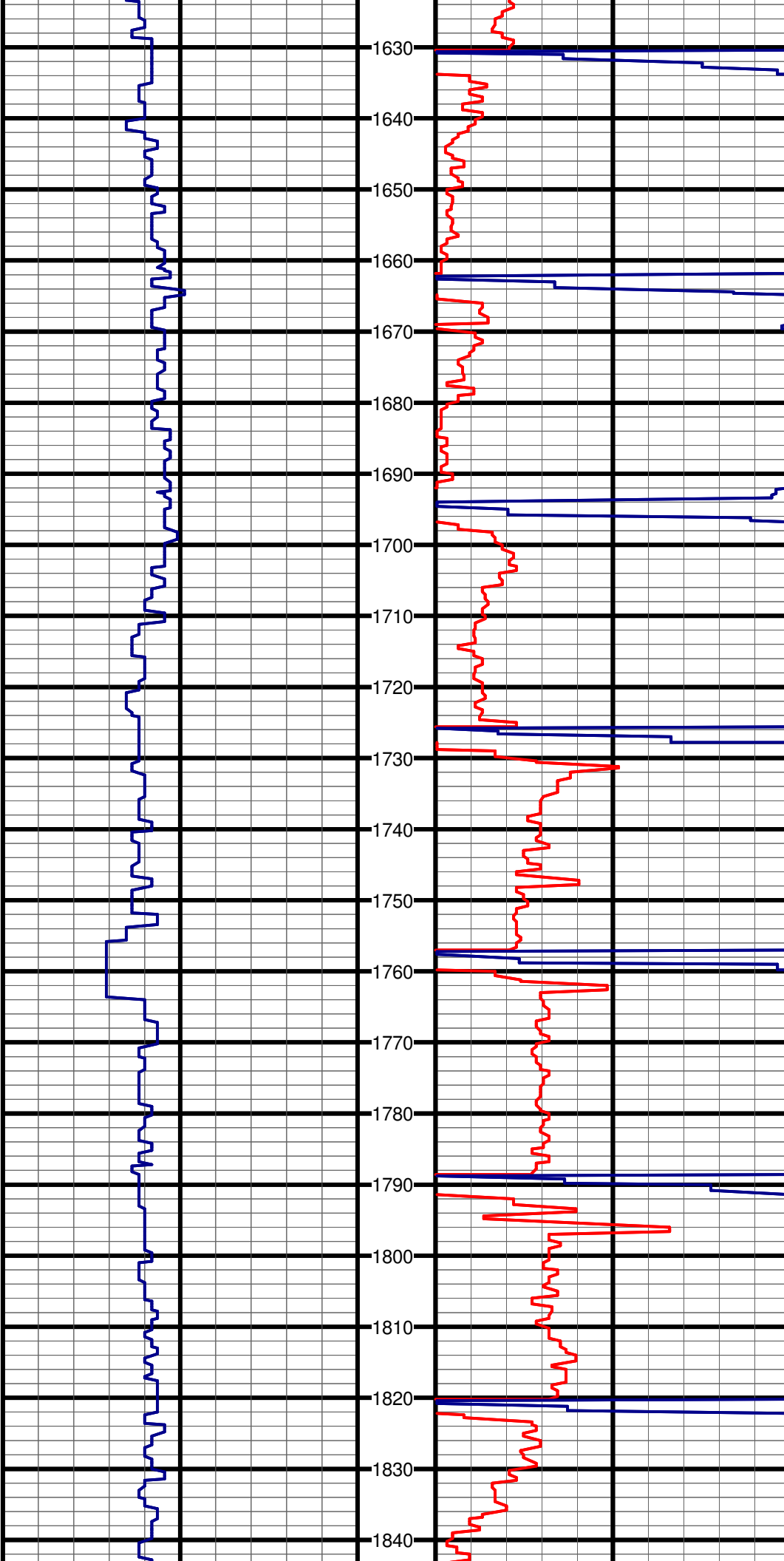
#5 MD:1279.0 TVD:1279.0 I:1.3 A:122.8 VS:-1.4

#6 MD:1371.0 TVD:1370.9 I:2.2 A:252.4 VS:-0.7



#7 MD:1463.0 TVD:1462.9 I:0.3 A:243.0 VS:1.2

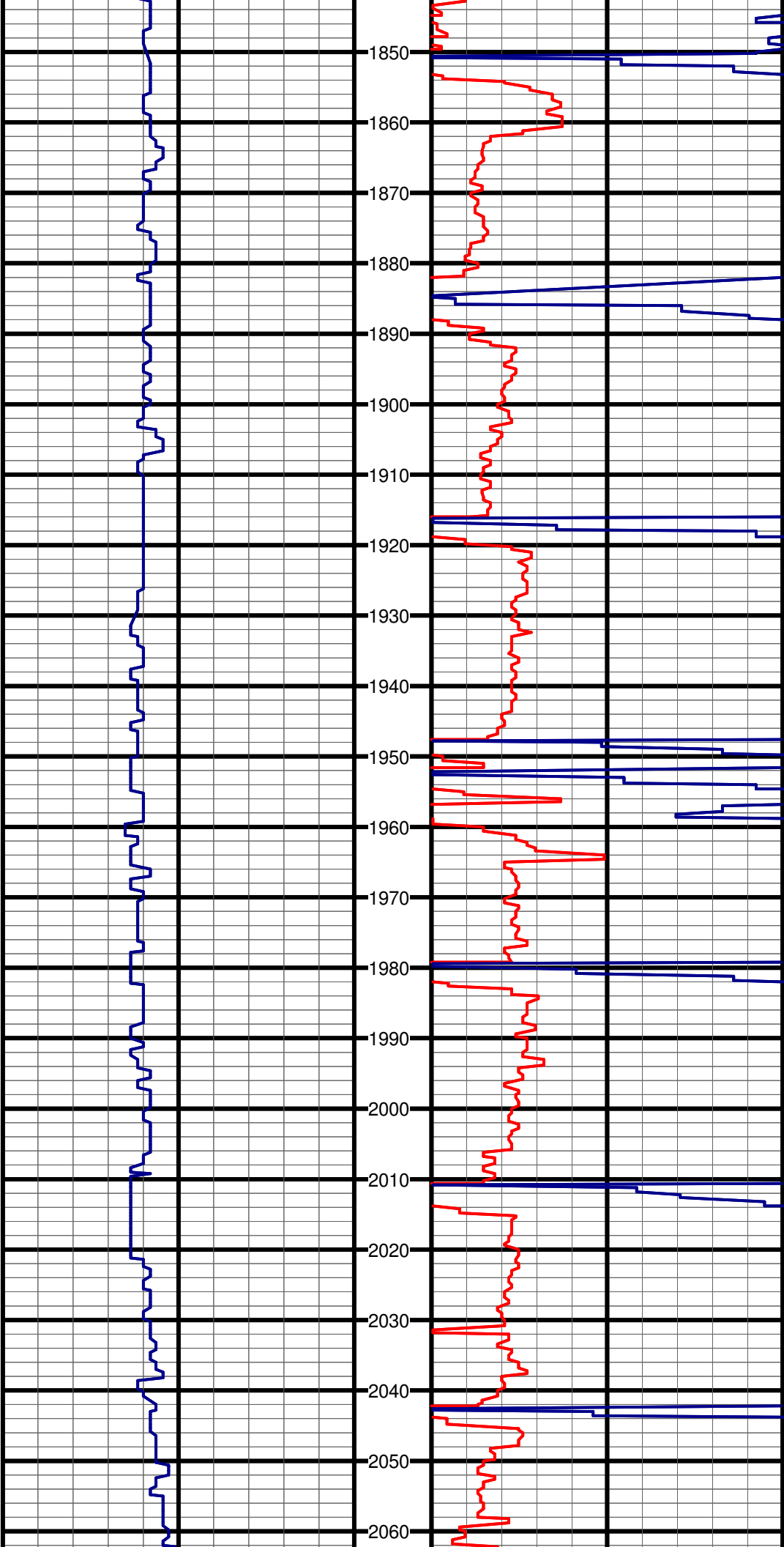
#8 MD:1558.0 TVD:1557.9 I:0.7 A:230.4 VS:1.9



#9 MD:1654.0 TVD:1653.9 I:1.3 A:207.3 VS:2.8

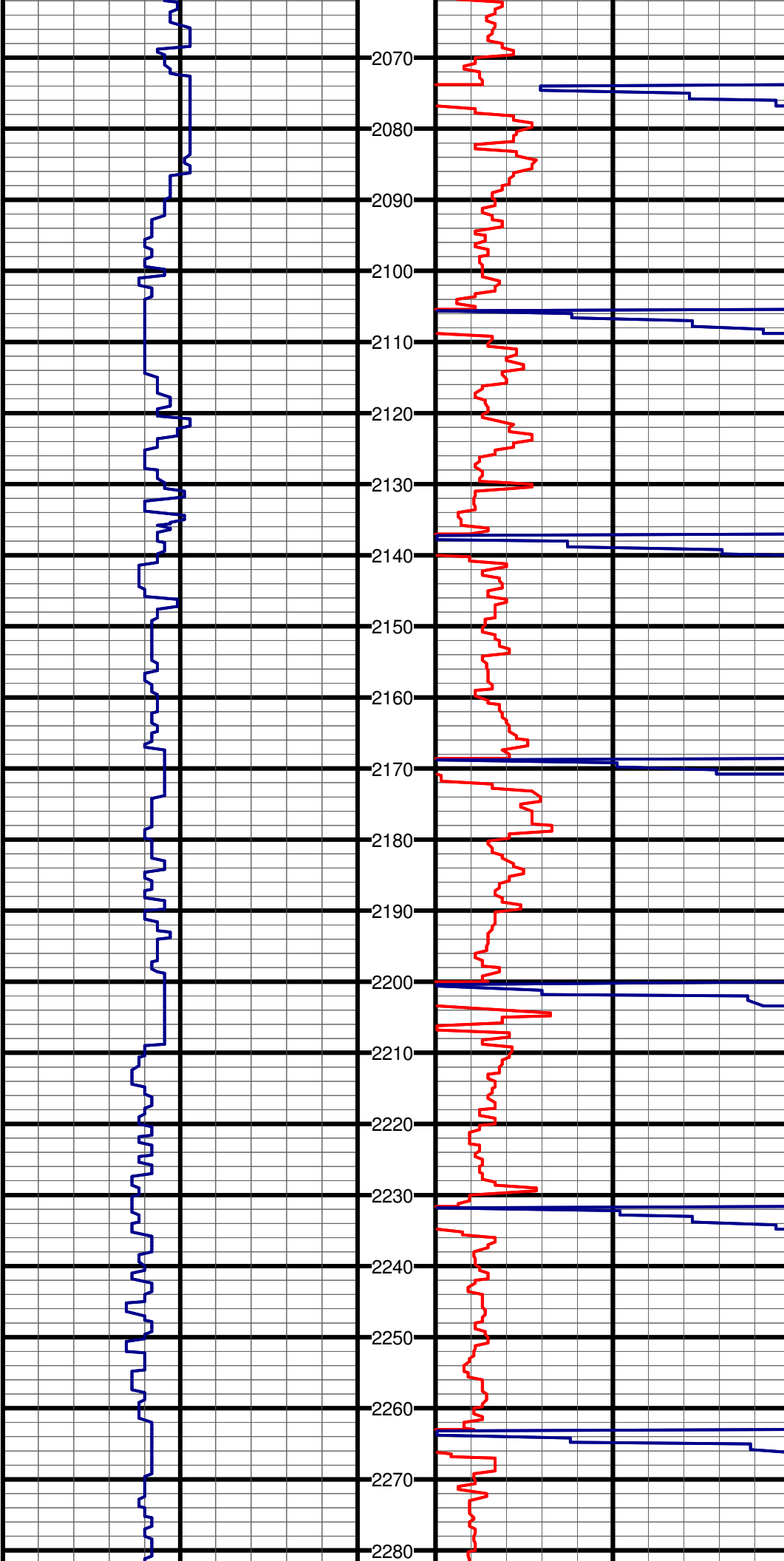
#10 MD:1749.0 TVD:1748.9 I:1.4 A:289.5 VS:4.3

#11 MD:1844.0 TVD:1843.9 I:0.7 A:349.4 VS:5.6



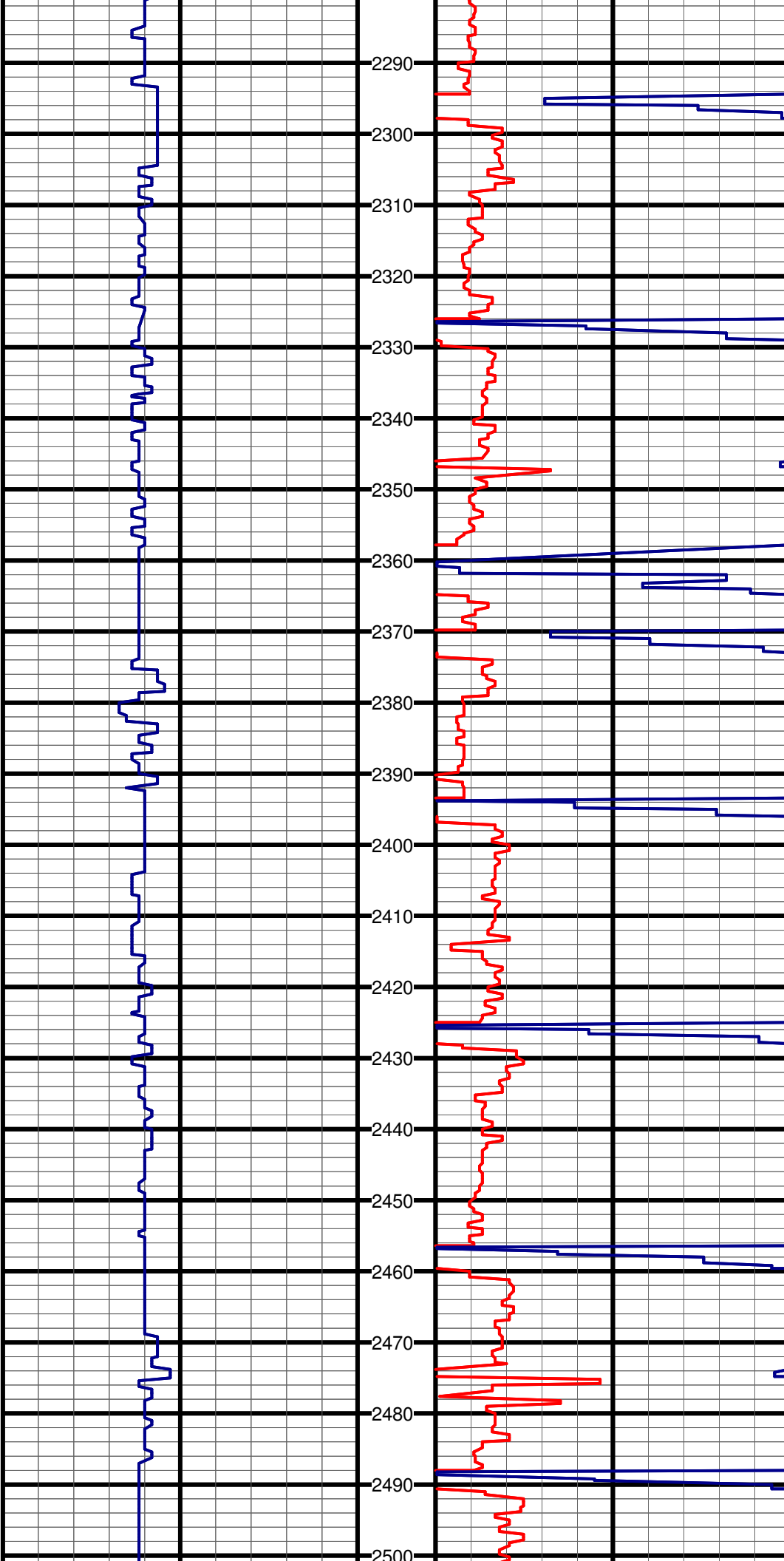
#12 MD:1939.0 TVD:1938.9 I:0.3 A:106.7 VS:5.4

#13 MD:2035.0 TVD:2034.9 I:0.6 A:180.5 VS:5.2



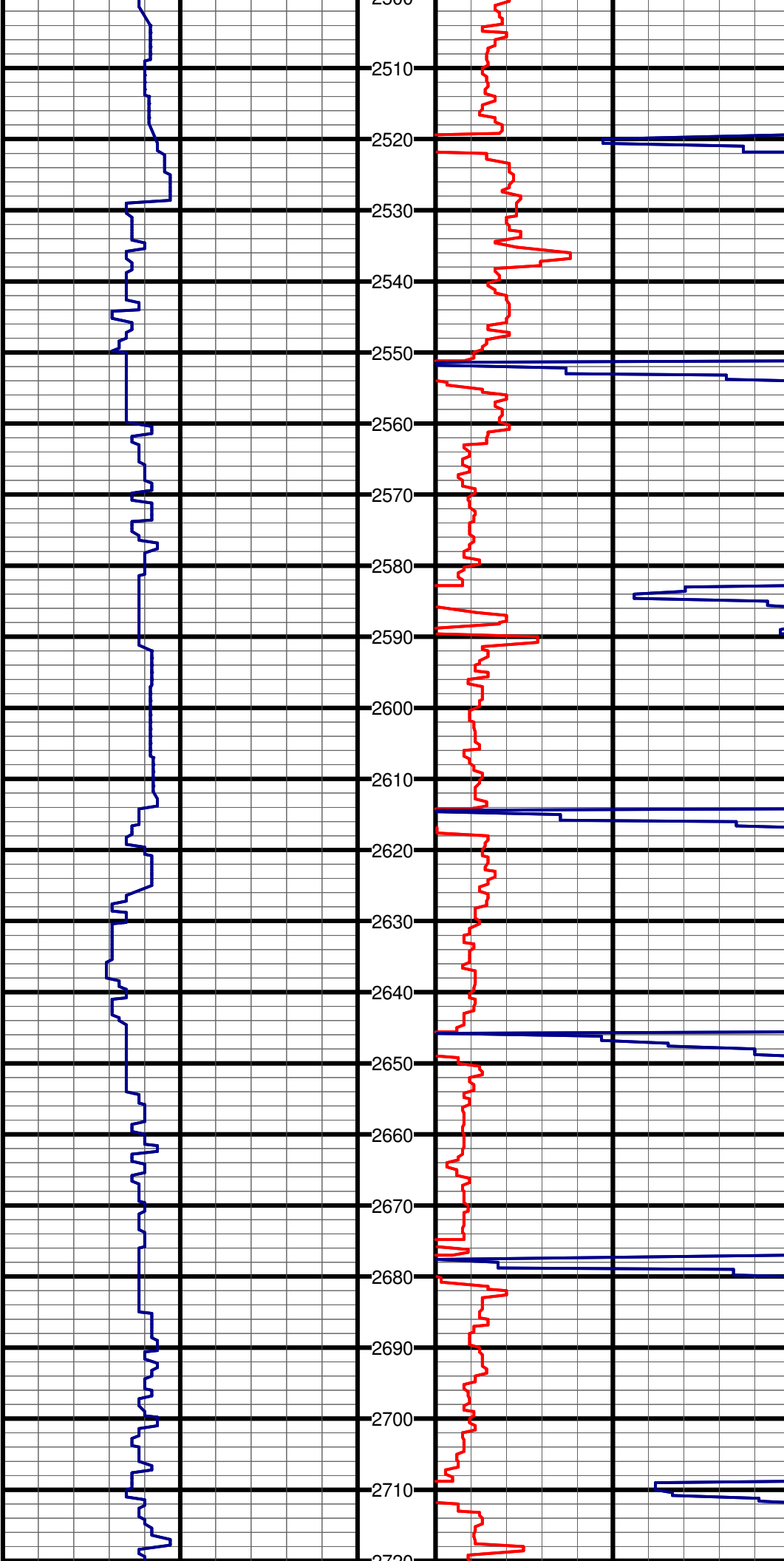
#14 MD:2130.0 TVD:2129.8 I:1.0 A:229.2 VS:5.8

#15 MD:2225.0 TVD:2224.8 I:0.4 A:53.0 VS:6.1



#16 MD:2320.0 TVD:2319.8 I:1.2 A:154.9 VS:5.4

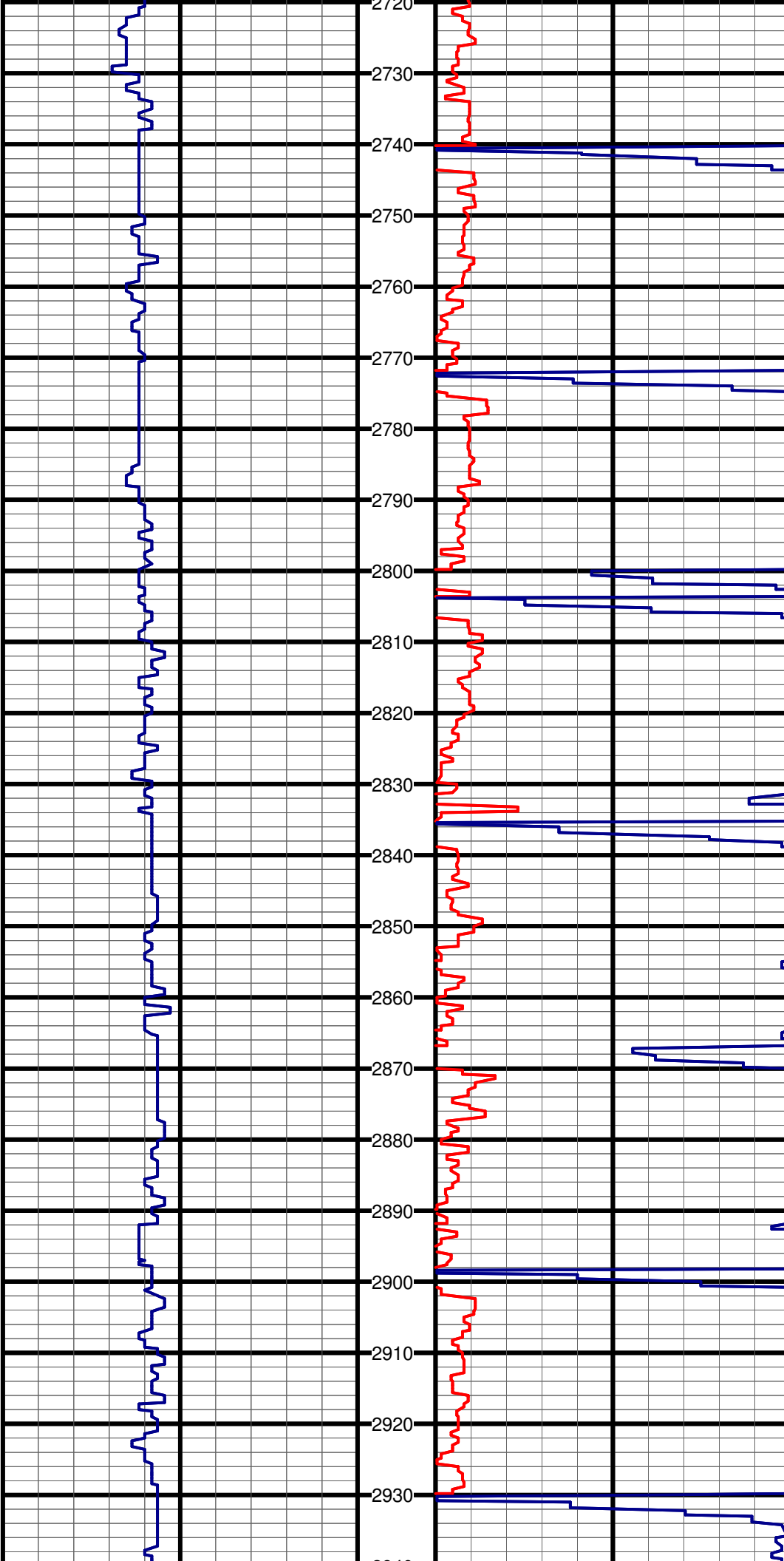
#17 MD:2415.0 TVD:2414.8 I:0.8 A:75.9 VS:4.3



#18 MD:2510.0 TVD:2509.8 I:0.8 A:18.7 VS:3.5

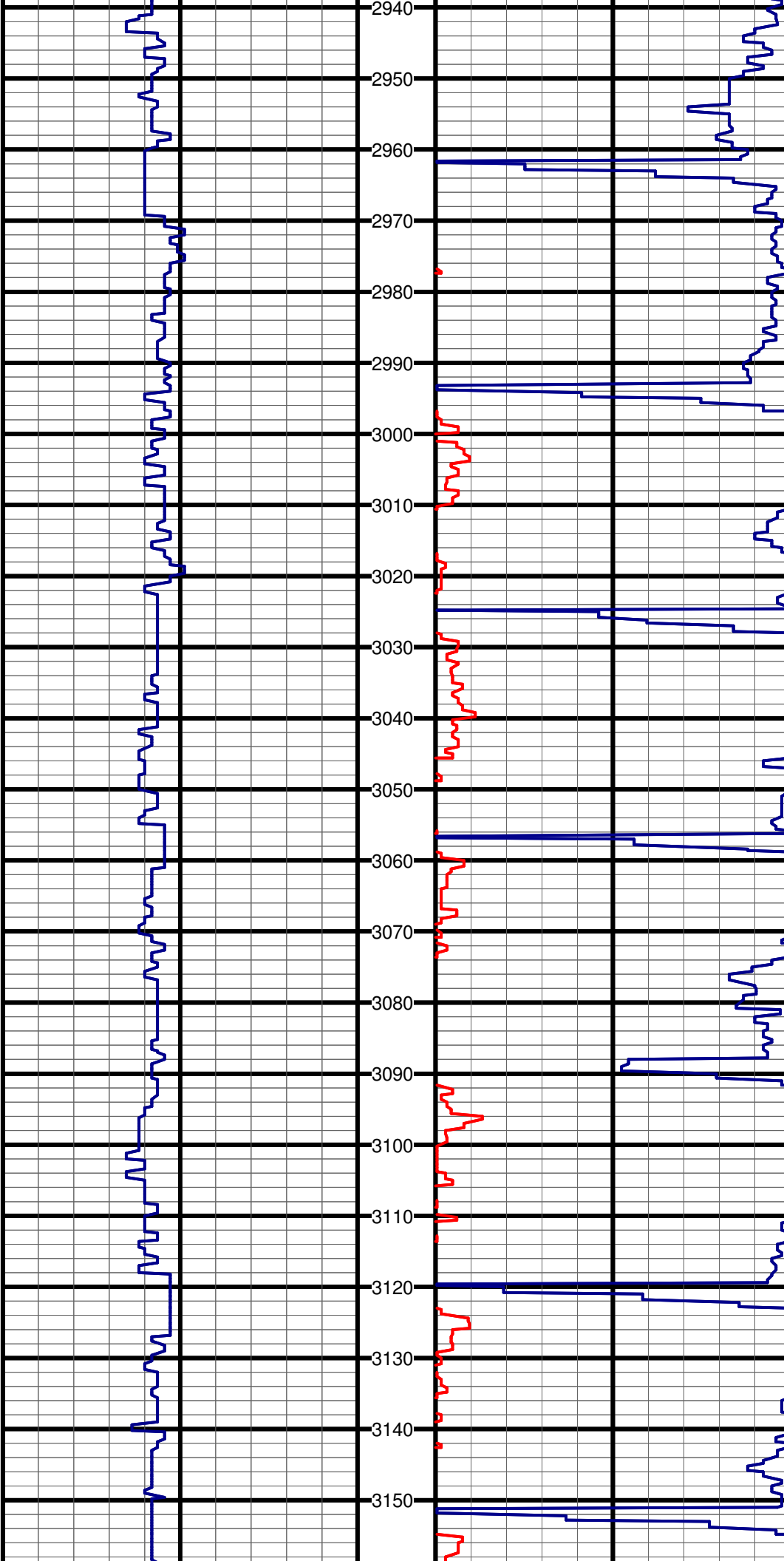
#19 MD:2605.0 TVD:2604.8 I:1.4 A:257.3 VS:4.4

#20 MD:2700.0 TVD:2699.8 I:1.5 A:322.6 VS:6.3



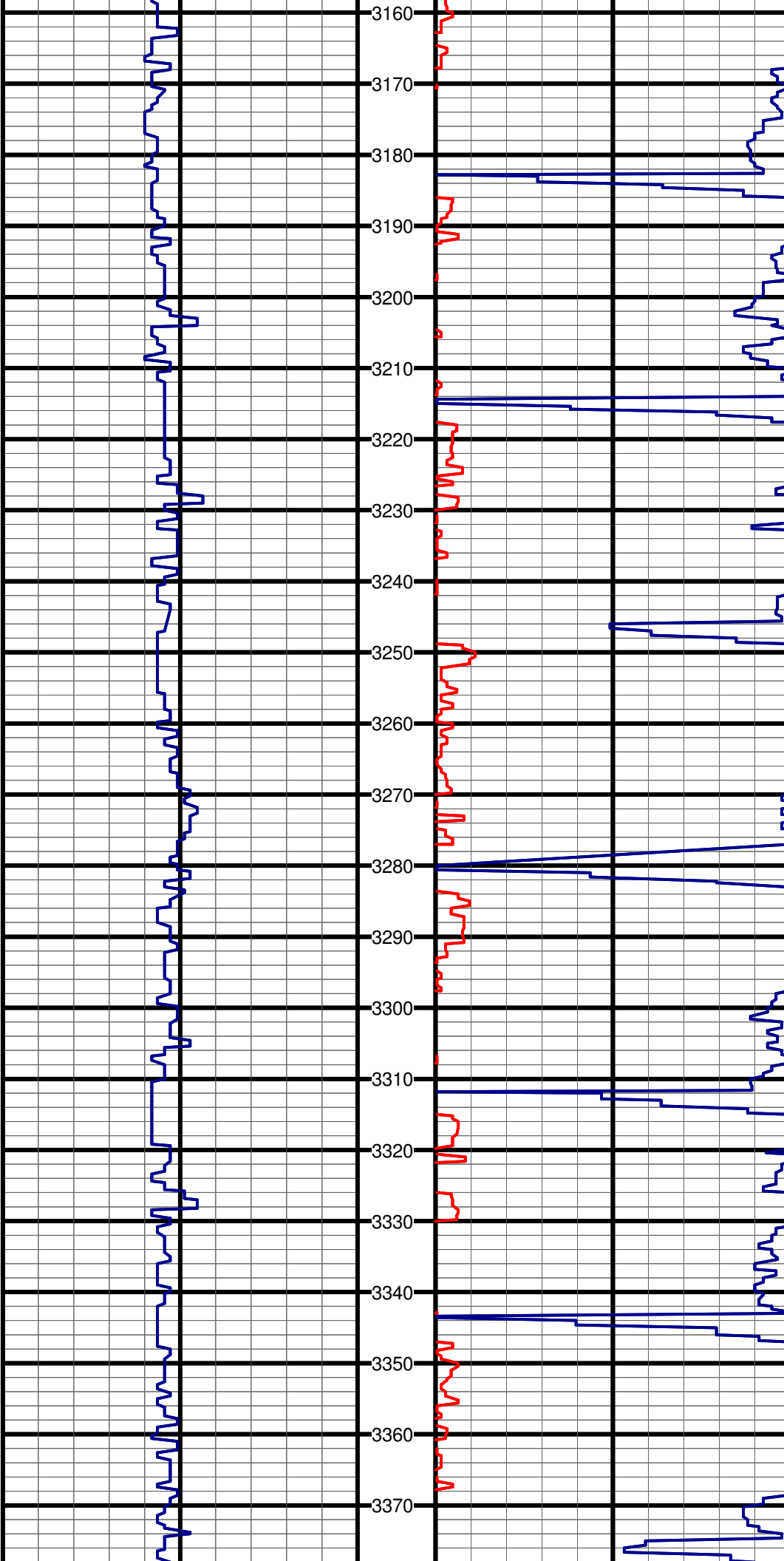
#21 MD:2795.0 TVD:2794.8 I:0.9 A:86.2 VS:6.4

#22 MD:2890.0 TVD:2889.7 I:2.4 A:227.5 VS:7.1



#23 MD:2986.0 TVD:2985.7 I:1.2 A:320.2 VS:9.2

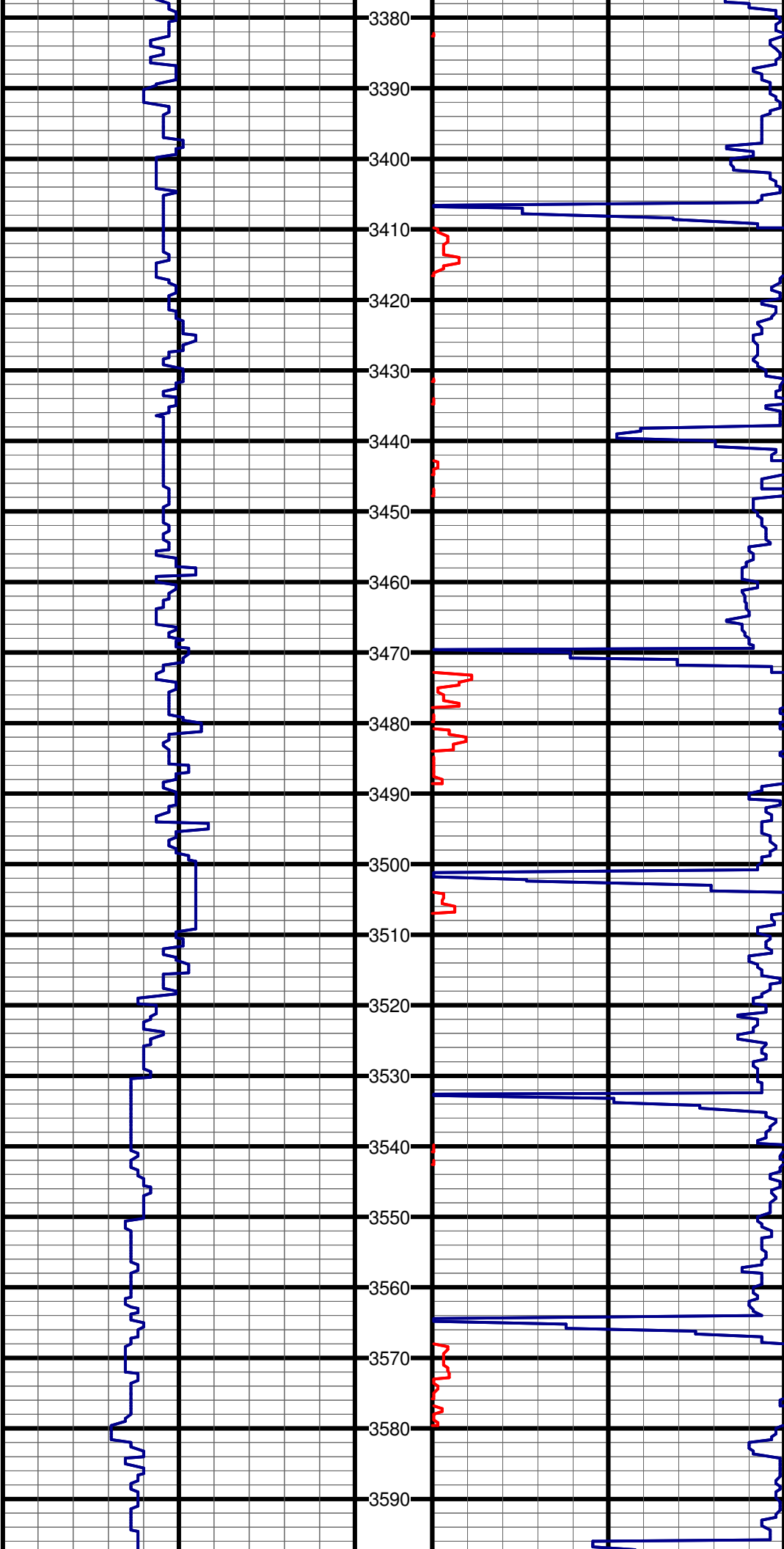
#24 MD:3081.0 TVD:3080.7 I:1.5 A:68.1 VS:8.7



#25 MD:3176.0 TVD:3175.7 I:2.3 A:256.4 VS:9.4

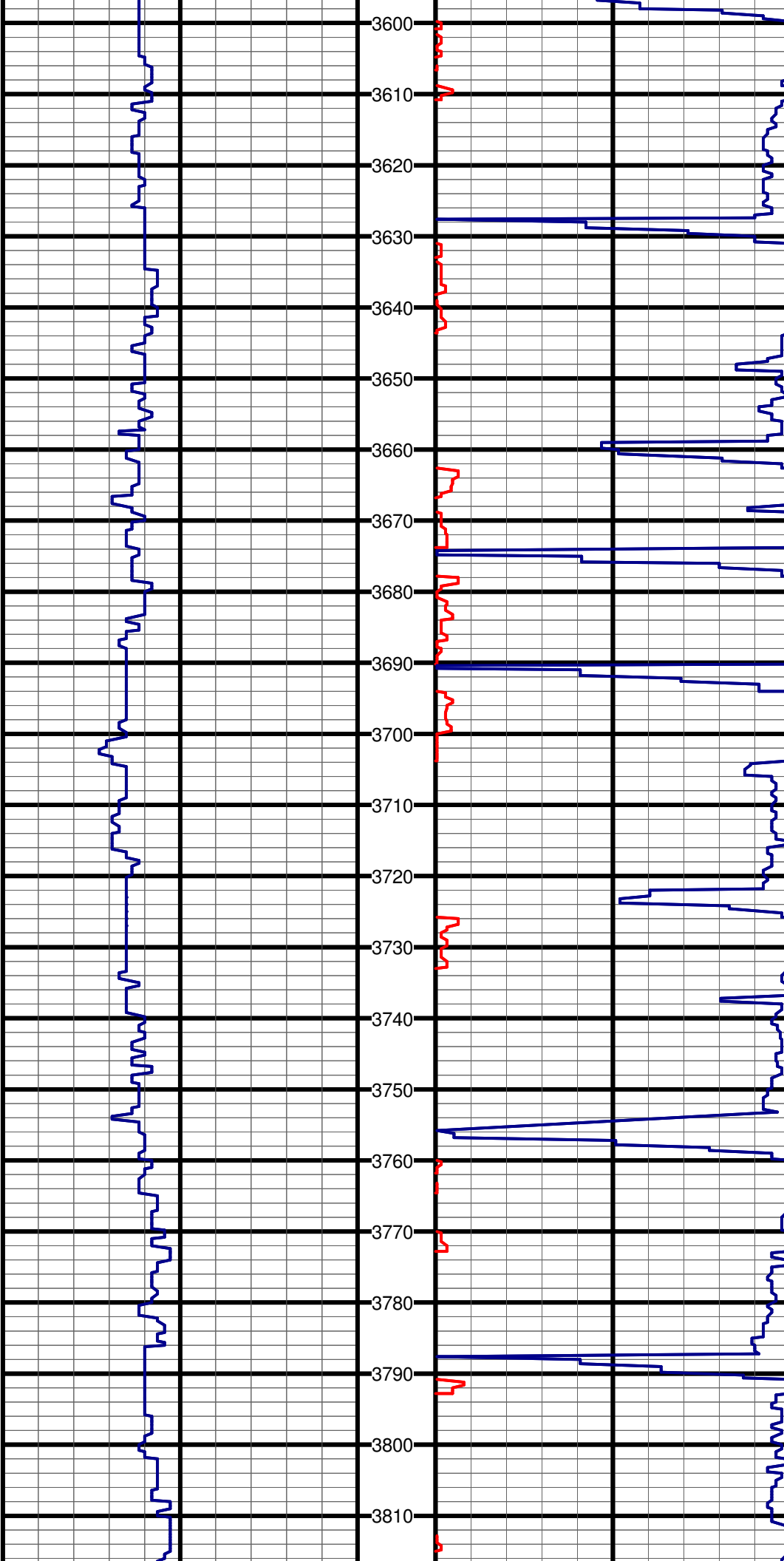
#26 MD:3271.0 TVD:3270.6 I:2.1 A:330.4 VS:12.2

#27 MD:3367.0 TVD:3366.6 I:1.3 A:168.0 VS:12.8



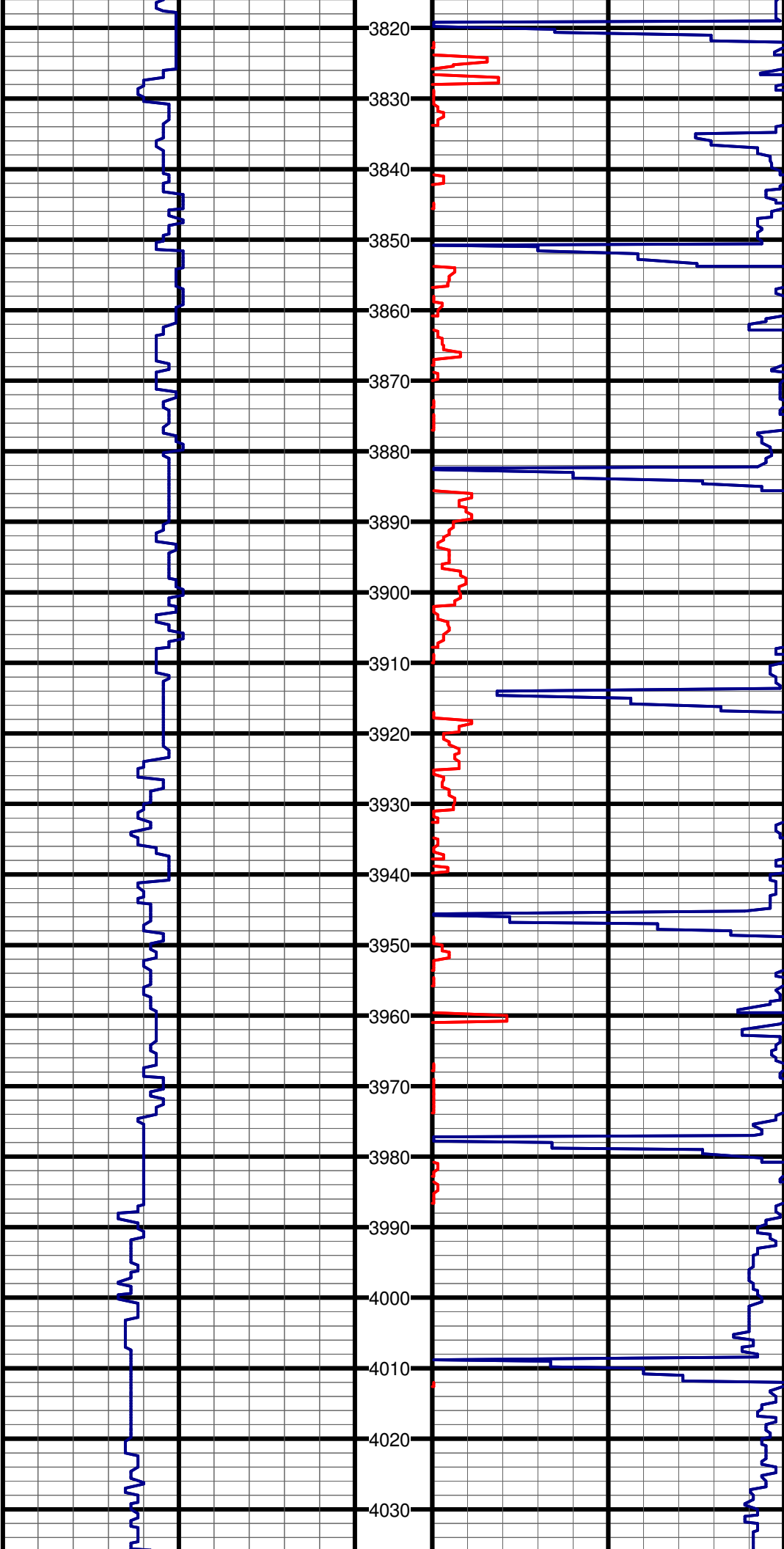
#28 MD:3462.0 TVD:3461.6 I:1.7 A:296.5 VS:13.8

#29 MD:3557.0 TVD:3556.6 I:1.1 A:139.9 VS:14.5



#30 MD:3652.0 TVD:3651.6 I:1.0 A:286.3 VS:14.7

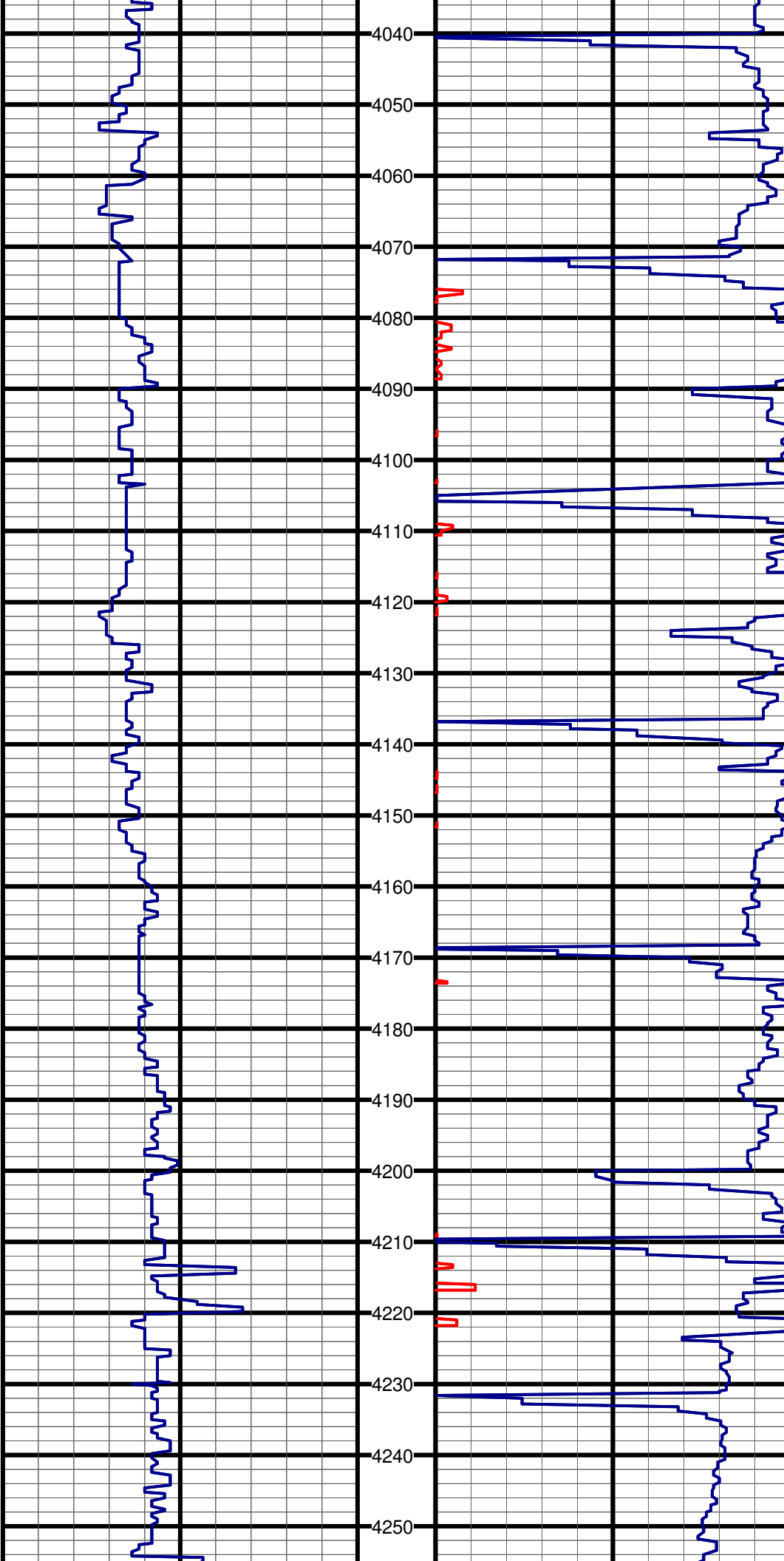
#31 MD:3747.0 TVD:3746.6 I:0.6 A:112.8 VS:15.0



#32 MD:3842.0 TVD:3841.6 I:1.2 A:239.7 VS:15.4

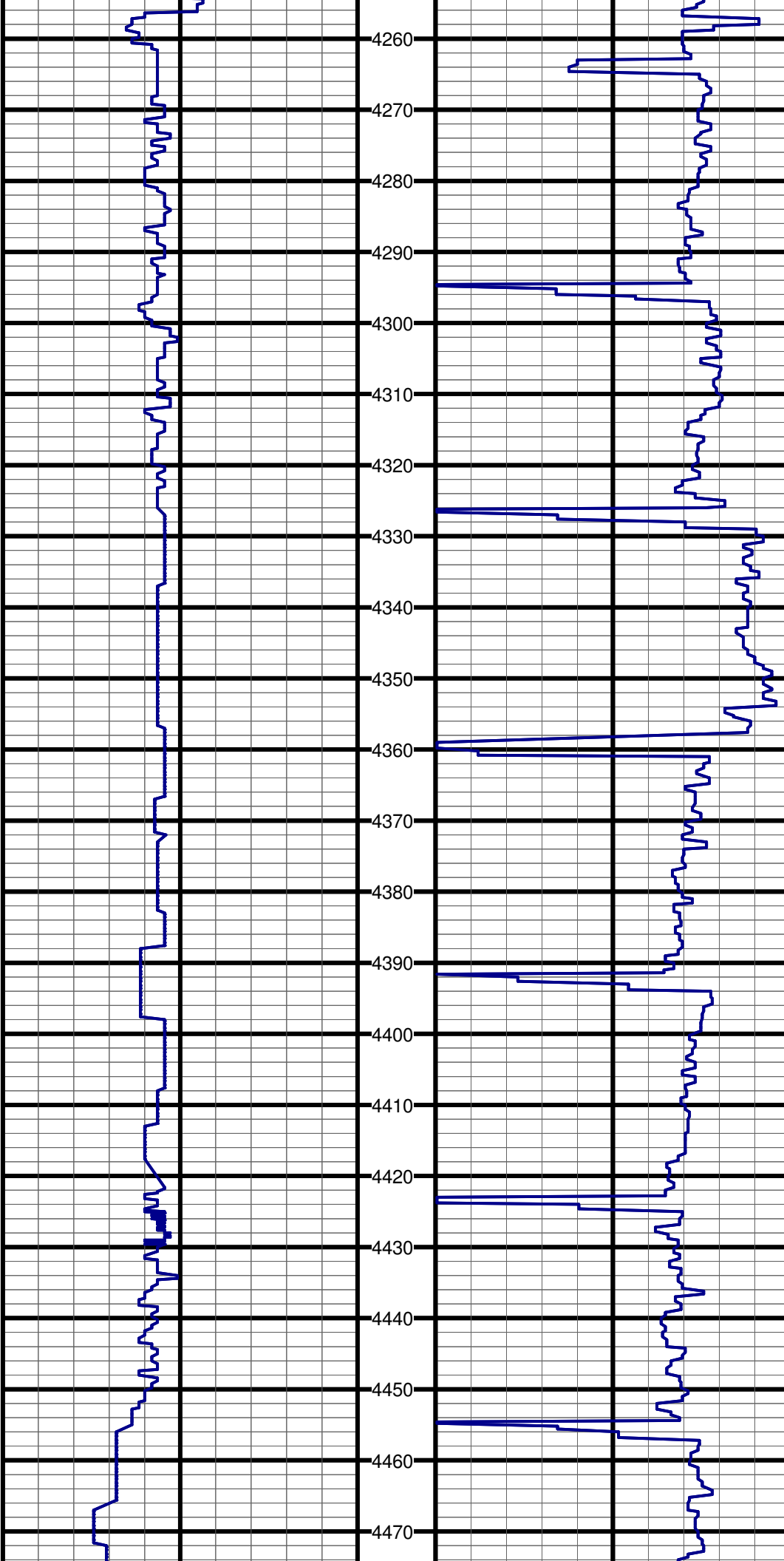
#33 MD:3938.0 TVD:3937.6 I:0.4 A:137.6 VS:16.0

#34 MD:4033.0 TVD:4032.5 I:1.7 A:344.8 VS:16.2



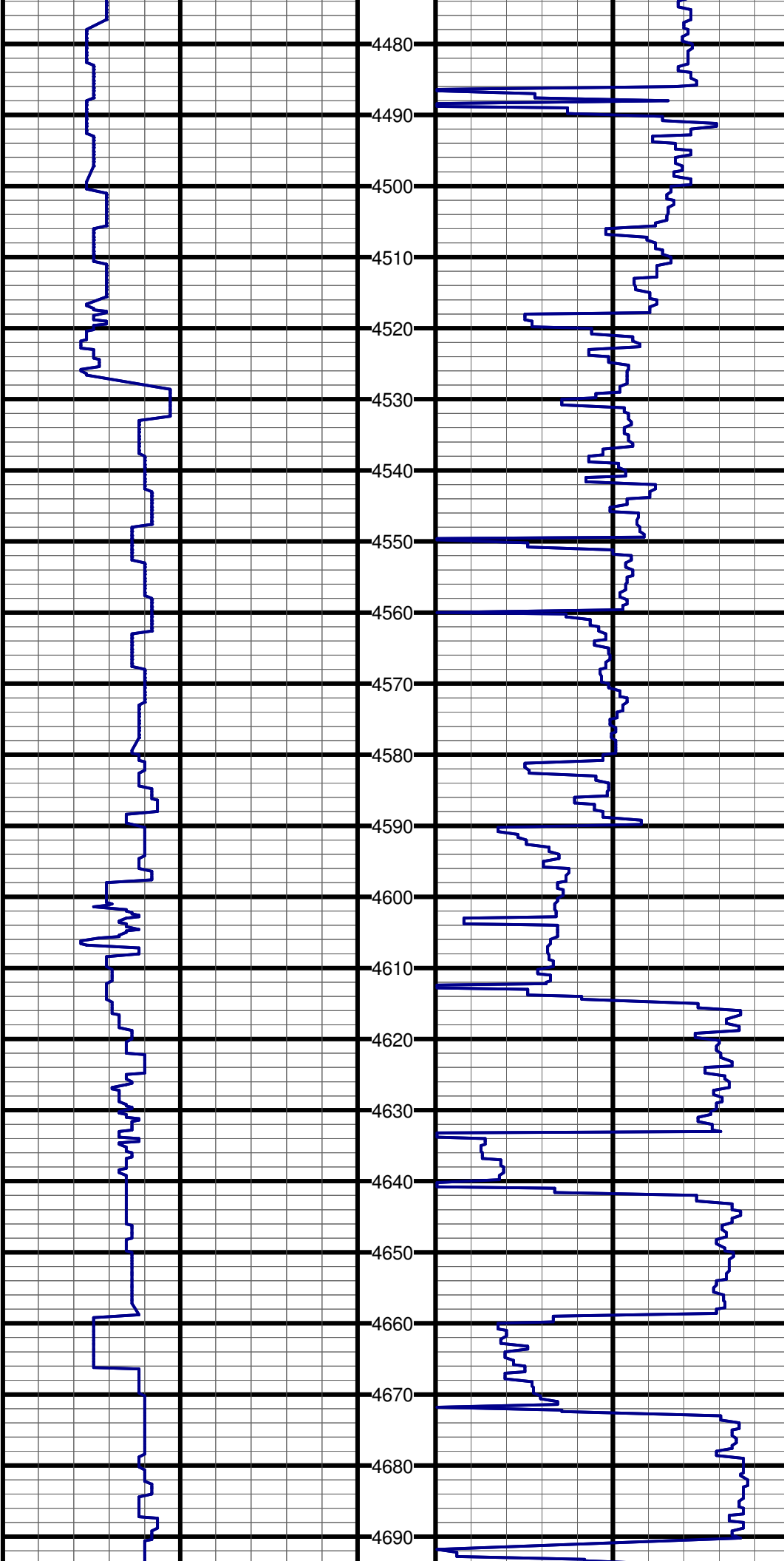
#35 MD:4128.0 TVD:4127.5 I:2.2 A:330.8 VS:17.6

#36 MD:4223.0 TVD:4222.4 I:2.6 A:320.2 VS:20.0



#37 MD:4319.0 TVD:4318.3 I:2.7 A:310.2 VS:23.2

#38 MD:4414.0 TVD:4413.2 I:2.8 A:301.3 VS:27.0

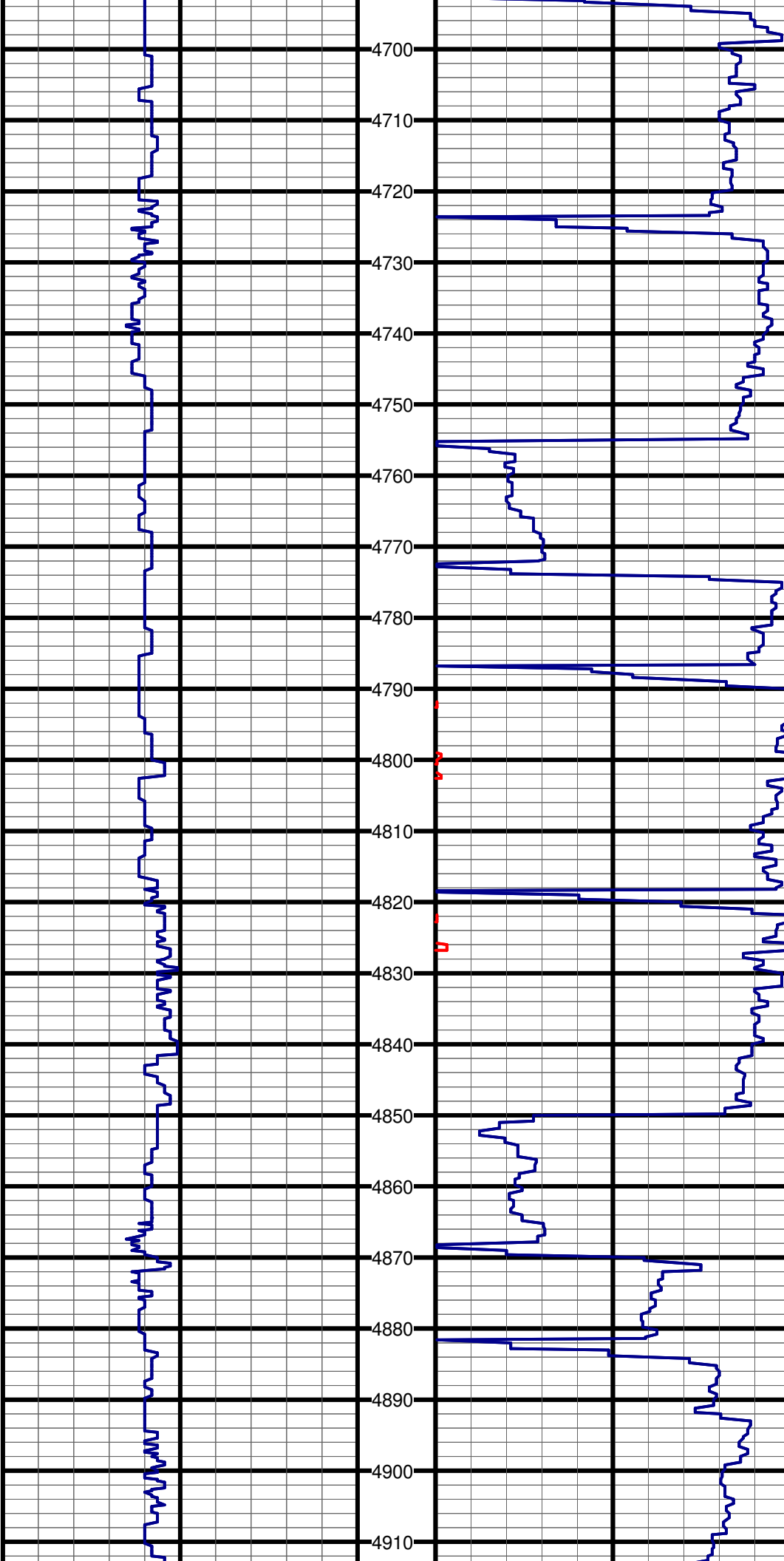


#39 MD:4509.0 TVD:4508.1 I:2.9 A:294.8 VS:31.3

#40 MD:4572.0 TVD:4571.0 I:3.1 A:292.2 VS:34.3

#41 MD:4590.0 TVD:4589.0 I:3.0 A:294.5 VS:35.2

#42 MD:4685.0 TVD:4683.8 I:2.9 A:291.2 VS:39.8

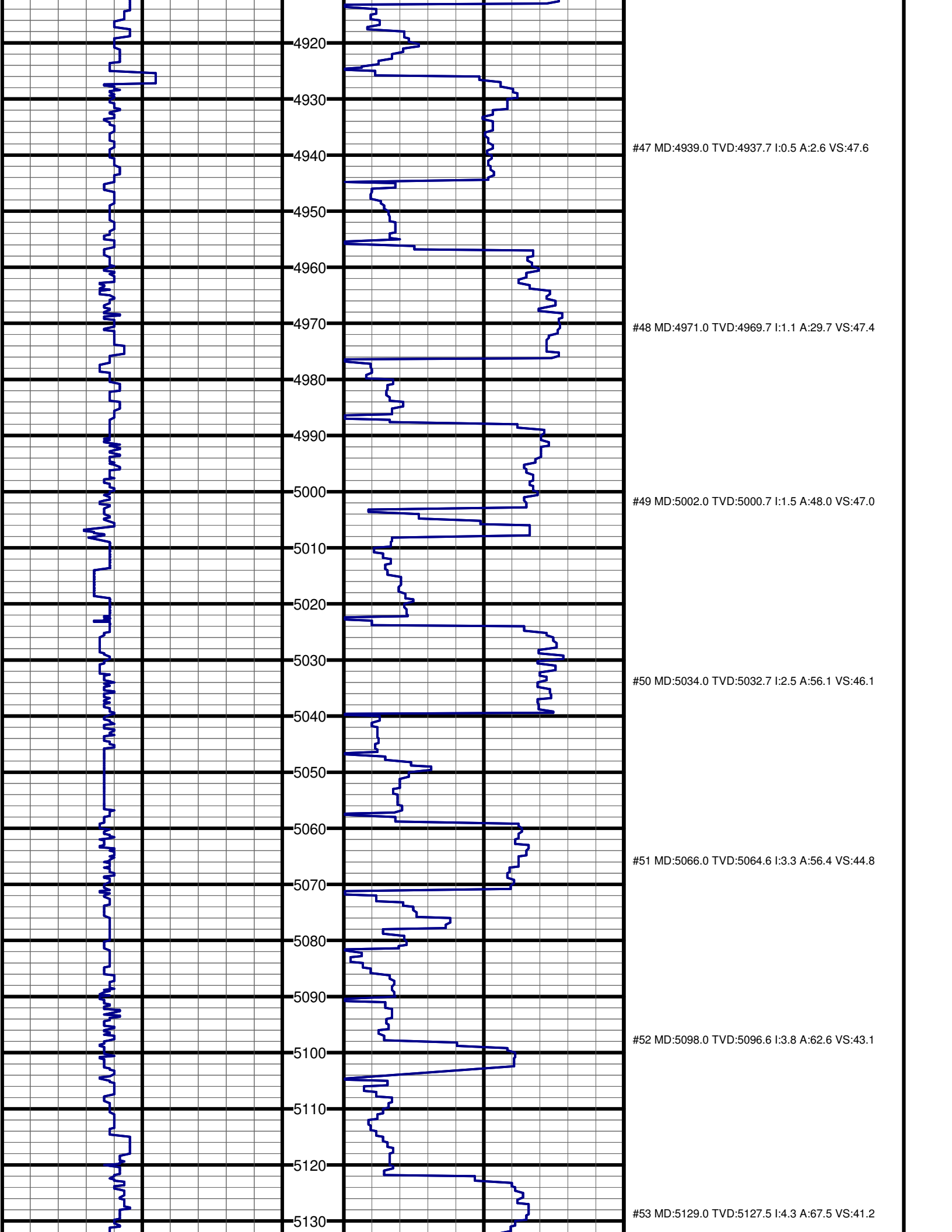


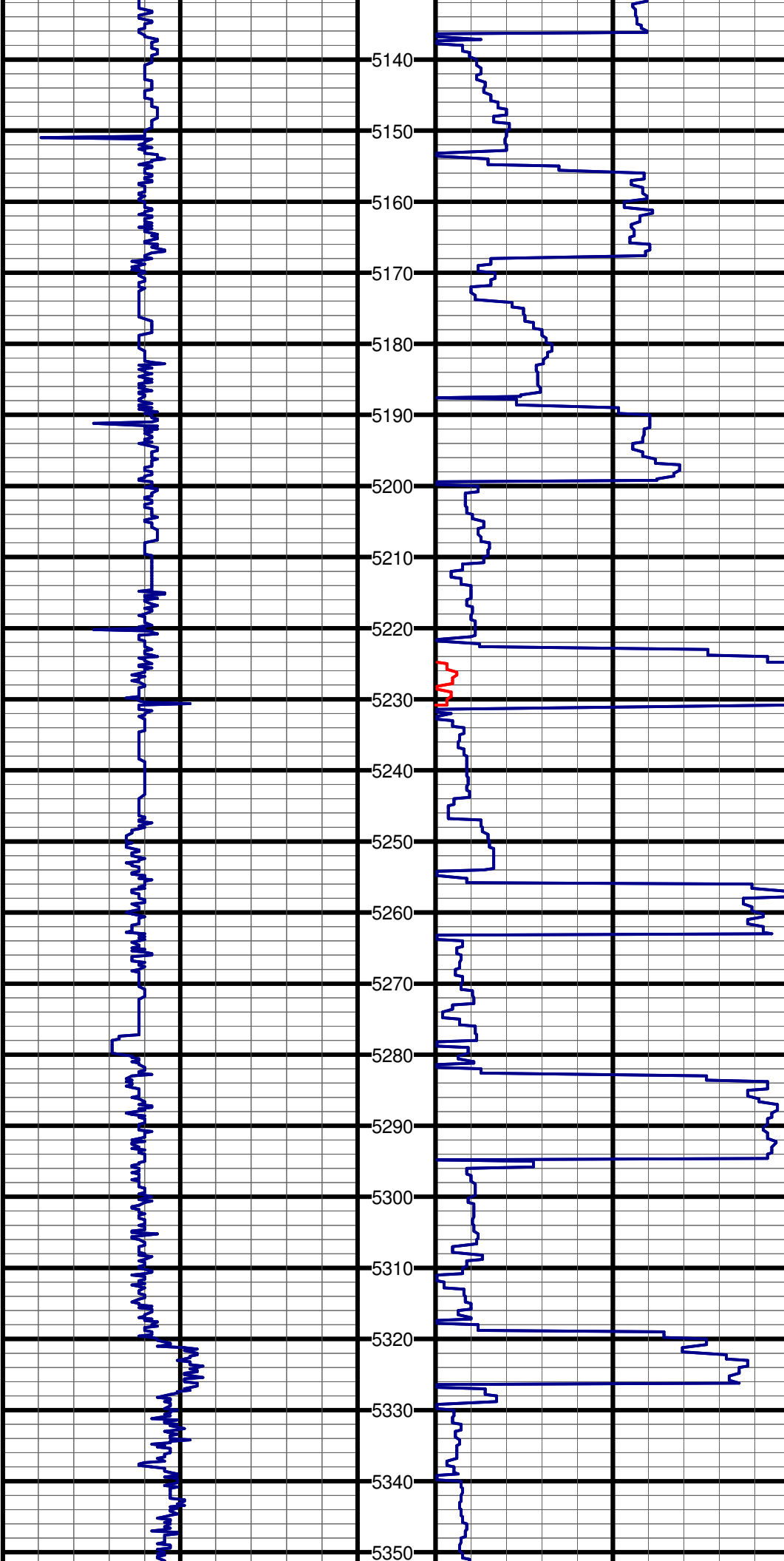
#43 MD:4780.0 TVD:4778.7 I:2.2 A:269.6 VS:43.9

#44 MD:4844.0 TVD:4842.7 I:1.7 A:268.7 VS:46.1

#45 MD:4875.0 TVD:4873.7 I:1.2 A:275.6 VS:46.9

#46 MD:4907.0 TVD:4905.7 I:0.7 A:292.1 VS:47.4





#54 MD:5161.0 TVD:5159.4 I:4.9 A:73.1 VS:38.8

#55 MD:5193.0 TVD:5191.2 I:5.9 A:77.1 VS:35.9

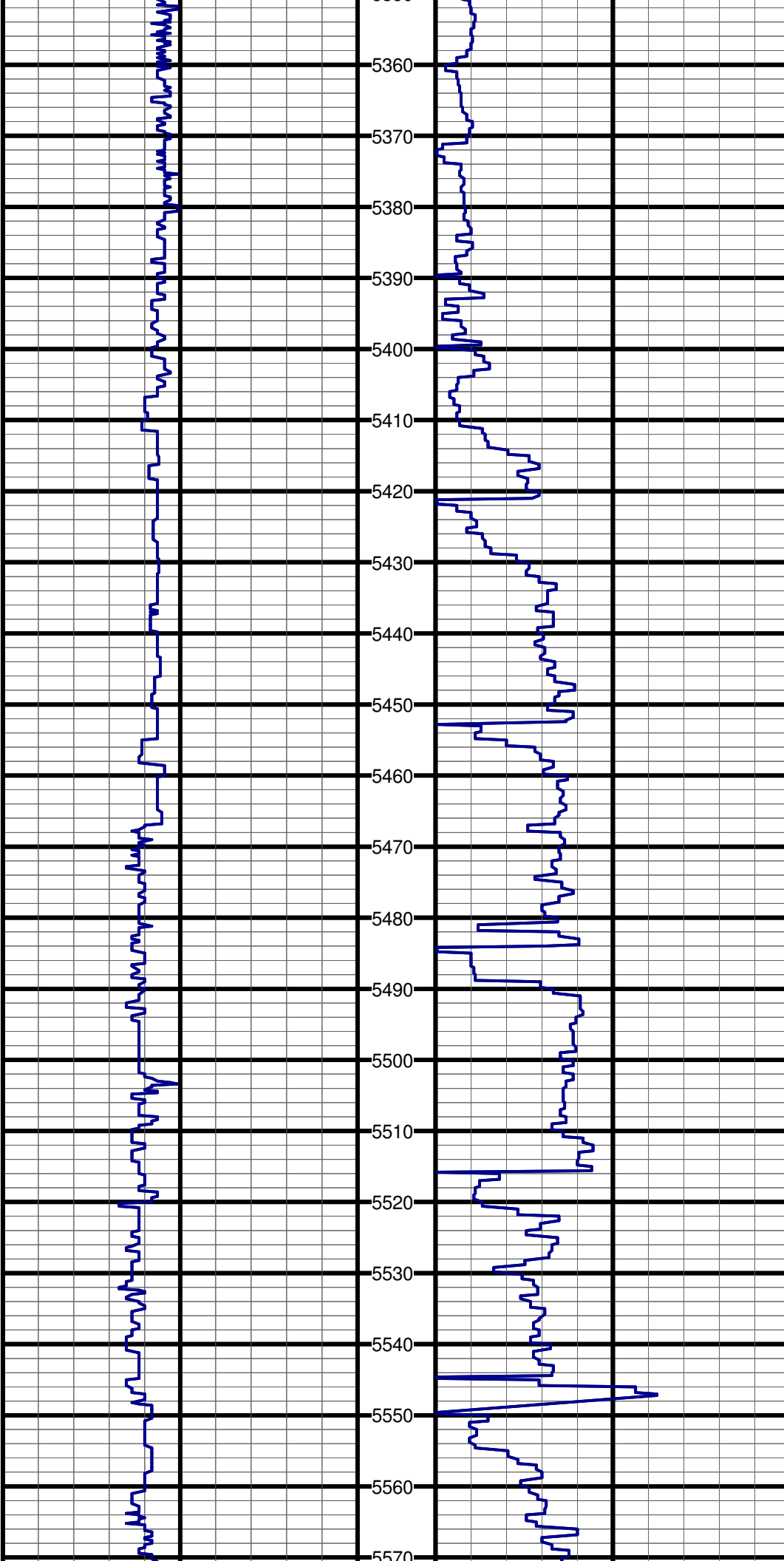
#56 MD:5225.0 TVD:5223.1 I:6.2 A:80.1 VS:32.7

#57 MD:5256.0 TVD:5253.9 I:6.5 A:80.2 VS:29.3

#58 MD:5288.0 TVD:5285.7 I:6.6 A:78.9 VS:25.8

#59 MD:5320.0 TVD:5317.5 I:6.6 A:81.5 VS:22.2

#60 MD:5350.0 TVD:5347.5 I:6.6 A:81.5 VS:19.2



#60 MD:5352.0 TVD:5349.2 I:7.5 A:82.9 VS:18.3

#61 MD:5383.0 TVD:5379.9 I:8.1 A:85.1 VS:14.1

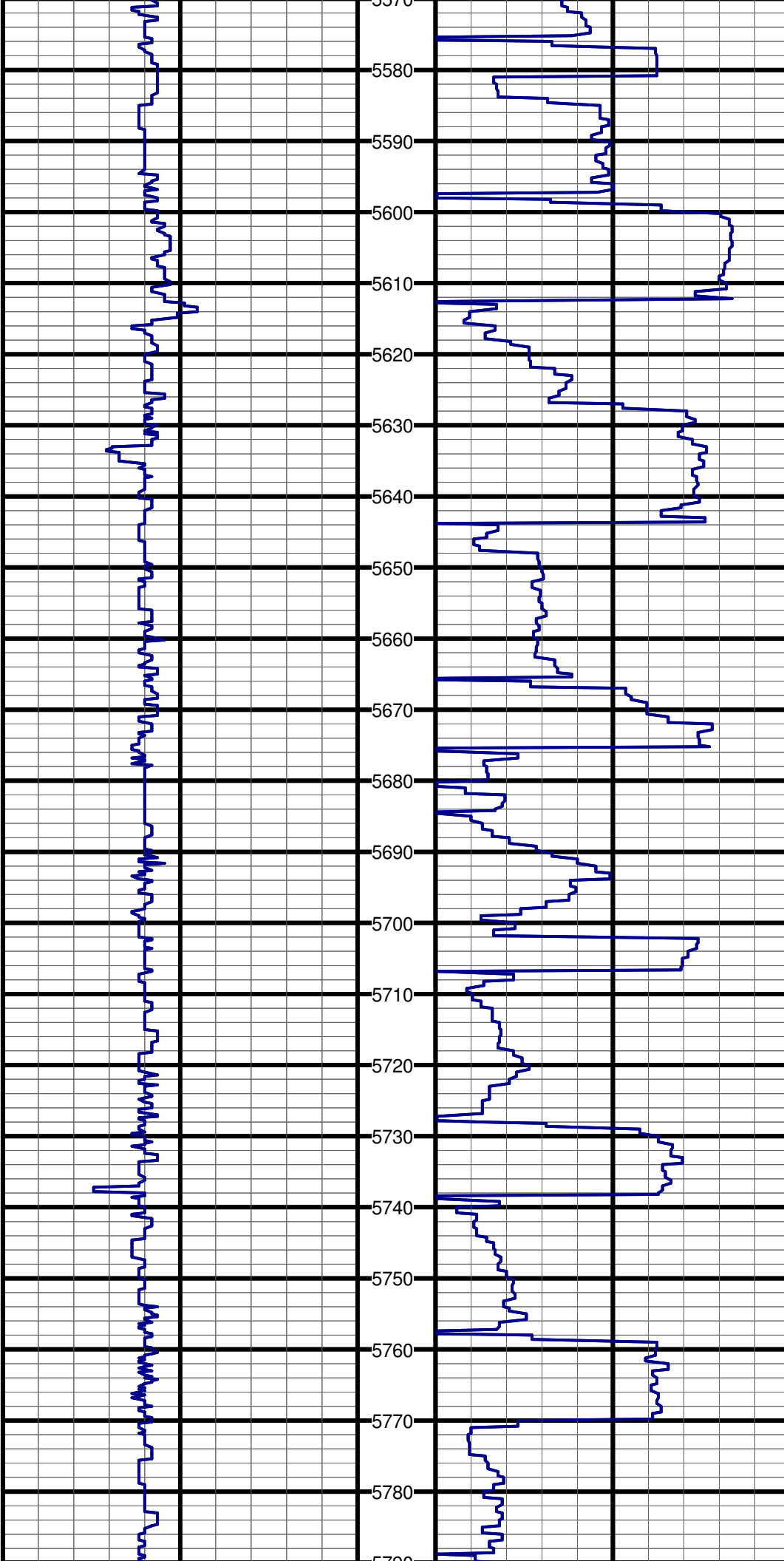
#62 MD:5415.0 TVD:5411.6 I:8.7 A:88.2 VS:9.5

#63 MD:5447.0 TVD:5443.1 I:10.4 A:90.1 VS:4.2

#64 MD:5479.0 TVD:5474.5 I:11.6 A:91.0 VS:-1.9

#65 MD:5510.0 TVD:5504.8 I:13.1 A:91.9 VS:-8.6

#66 MD:5542.0 TVD:5535.9 I:14.5 A:94.3 VS:-16.2



#67 MD:5574.0 TVD:5566.9 I:14.7 A:94.0 VS:-24.2

#68 MD:5605.0 TVD:5596.9 I:14.4 A:90.4 VS:-32.0

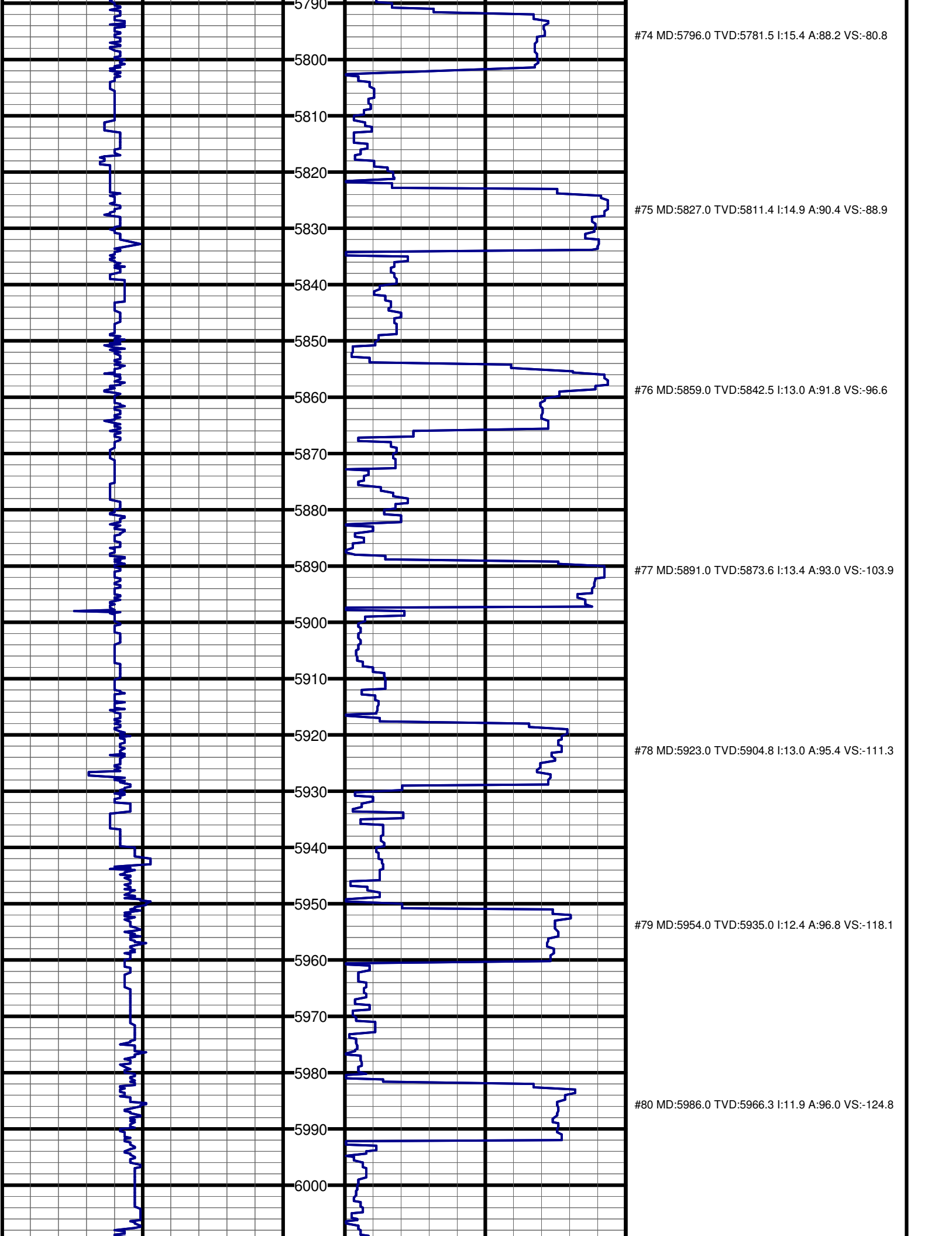
#69 MD:5637.0 TVD:5627.9 I:14.6 A:89.7 VS:-40.0

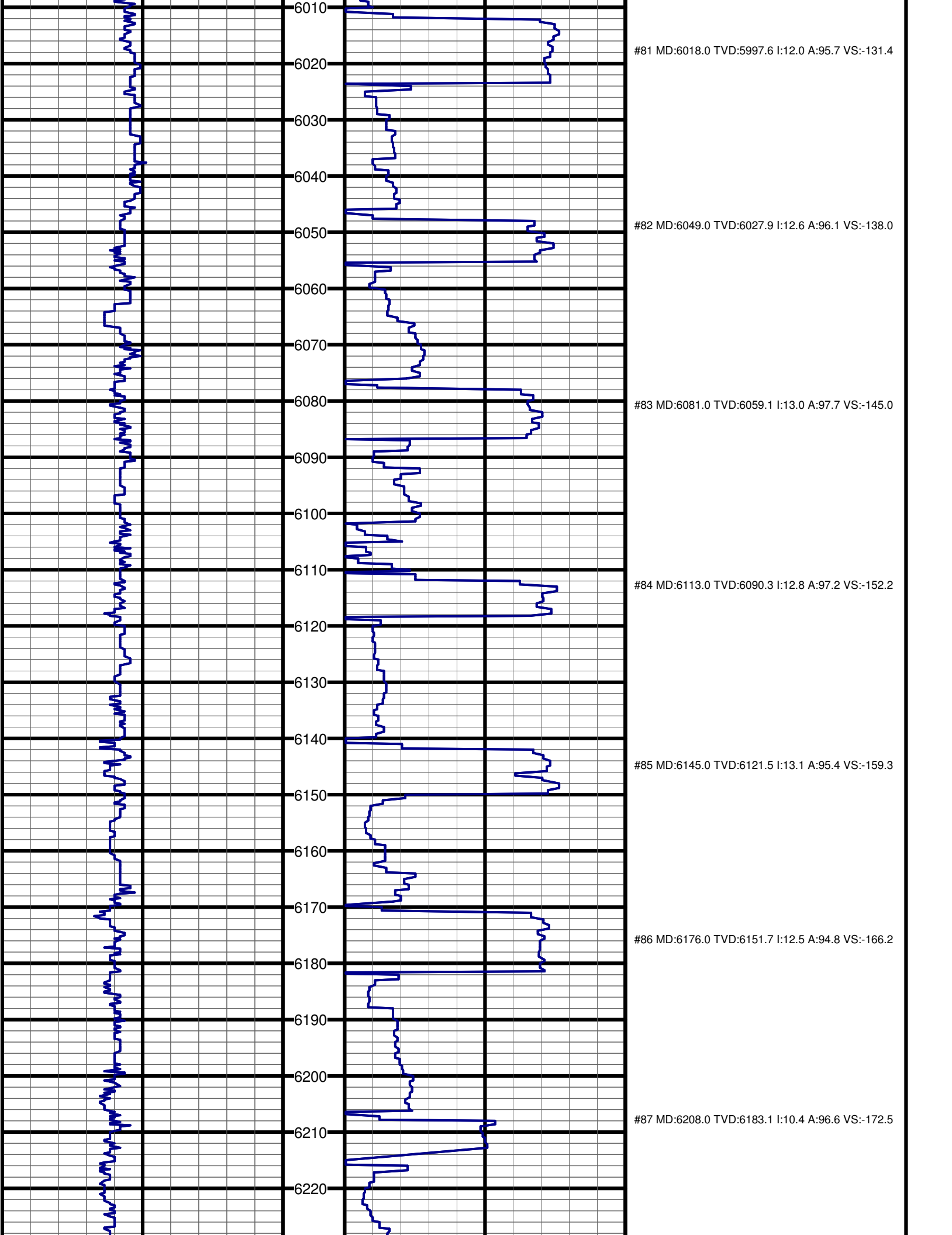
#70 MD:5669.0 TVD:5658.8 I:14.8 A:88.1 VS:-48.1

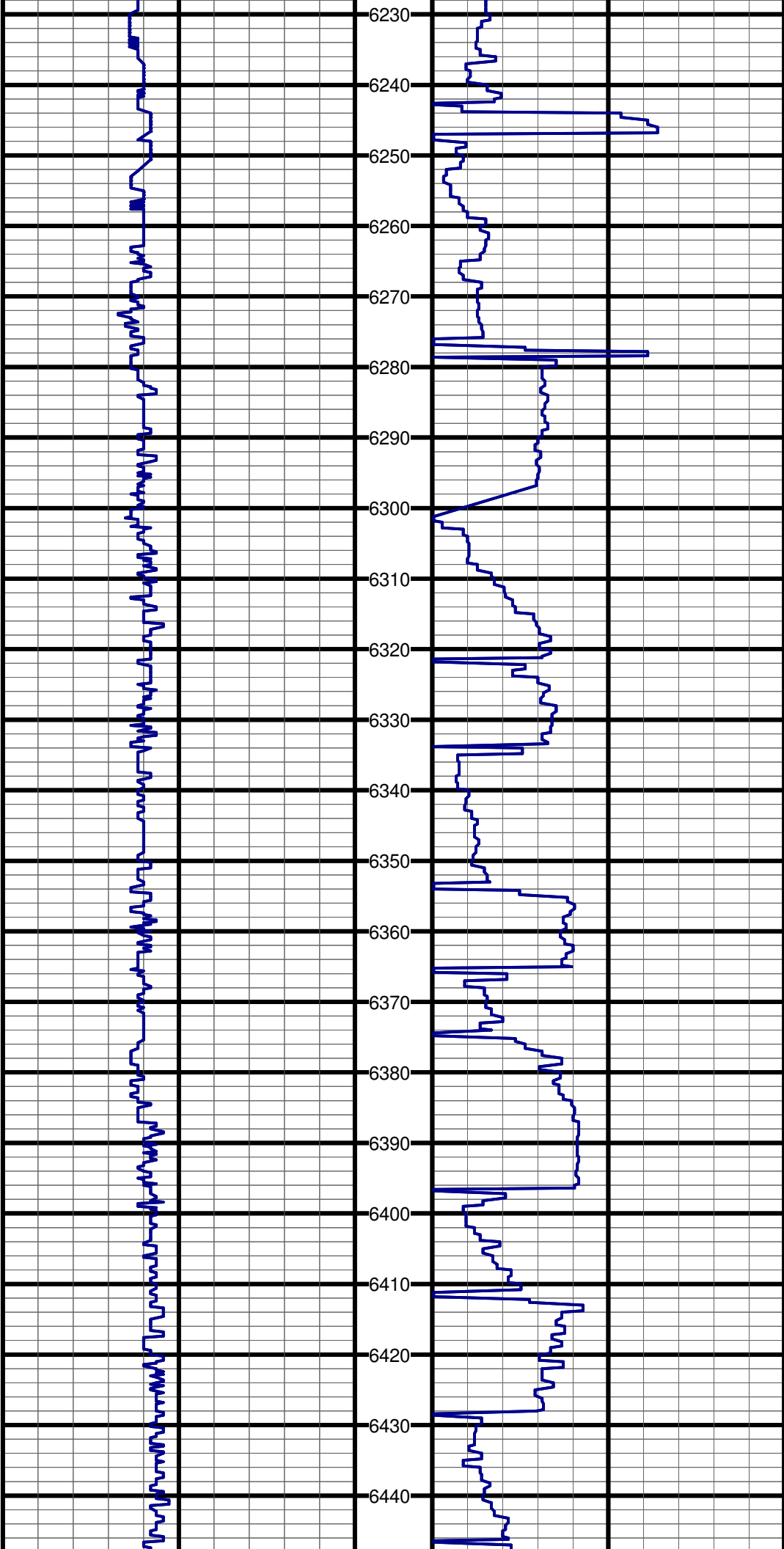
#71 MD:5700.0 TVD:5688.8 I:14.7 A:85.6 VS:-56.0

#72 MD:5732.0 TVD:5719.7 I:14.9 A:87.3 VS:-64.1

#73 MD:5764.0 TVD:5750.6 I:15.2 A:88.7 VS:-72.4







#88 MD:6234.0 TVD:6208.7 I:9.1 A:98.8 VS:-176.9

#89 MD:6266.0 TVD:6240.4 I:7.6 A:102.0 VS:-181.5

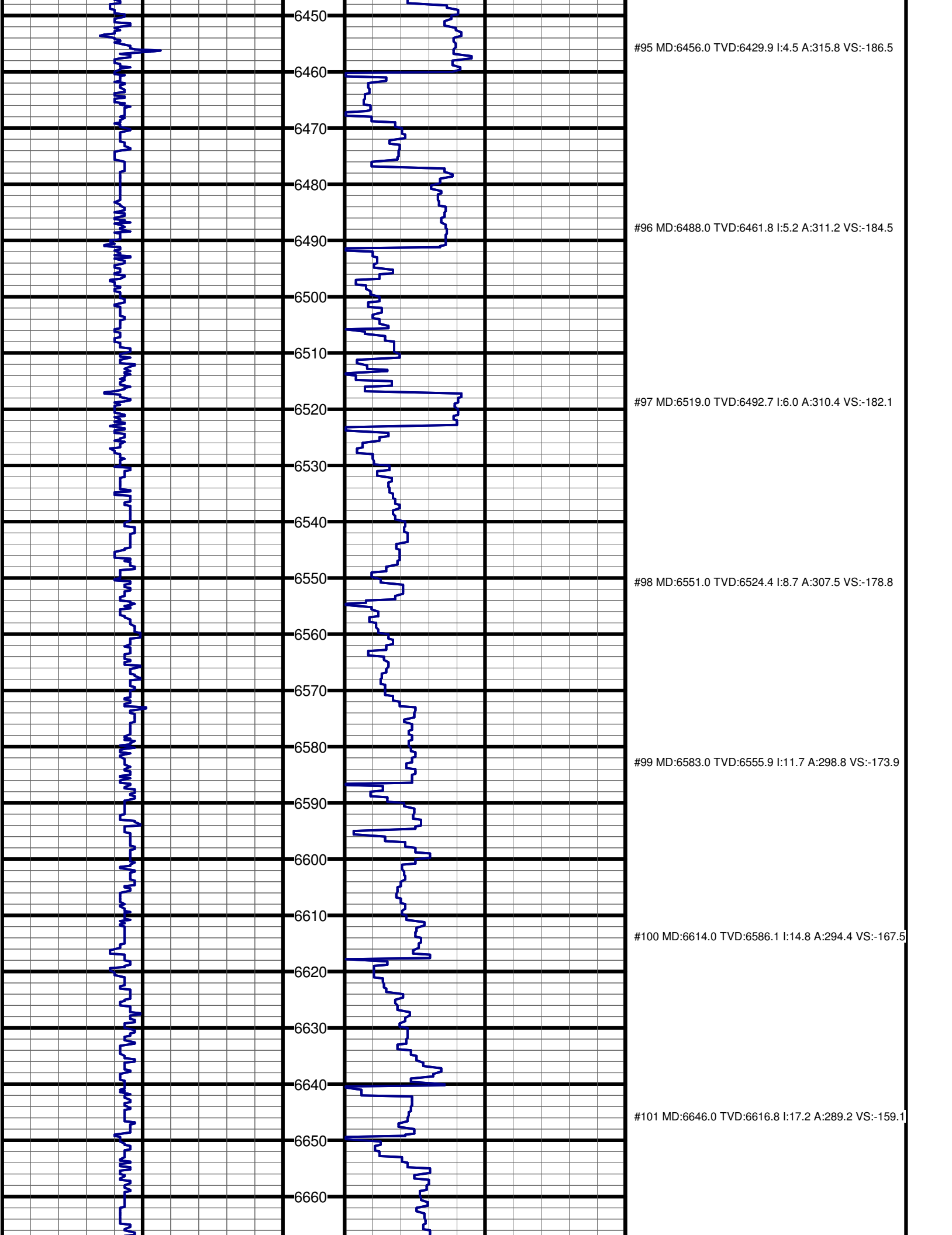
#90 MD:6297.0 TVD:6271.2 I:5.6 A:98.3 VS:-185.0

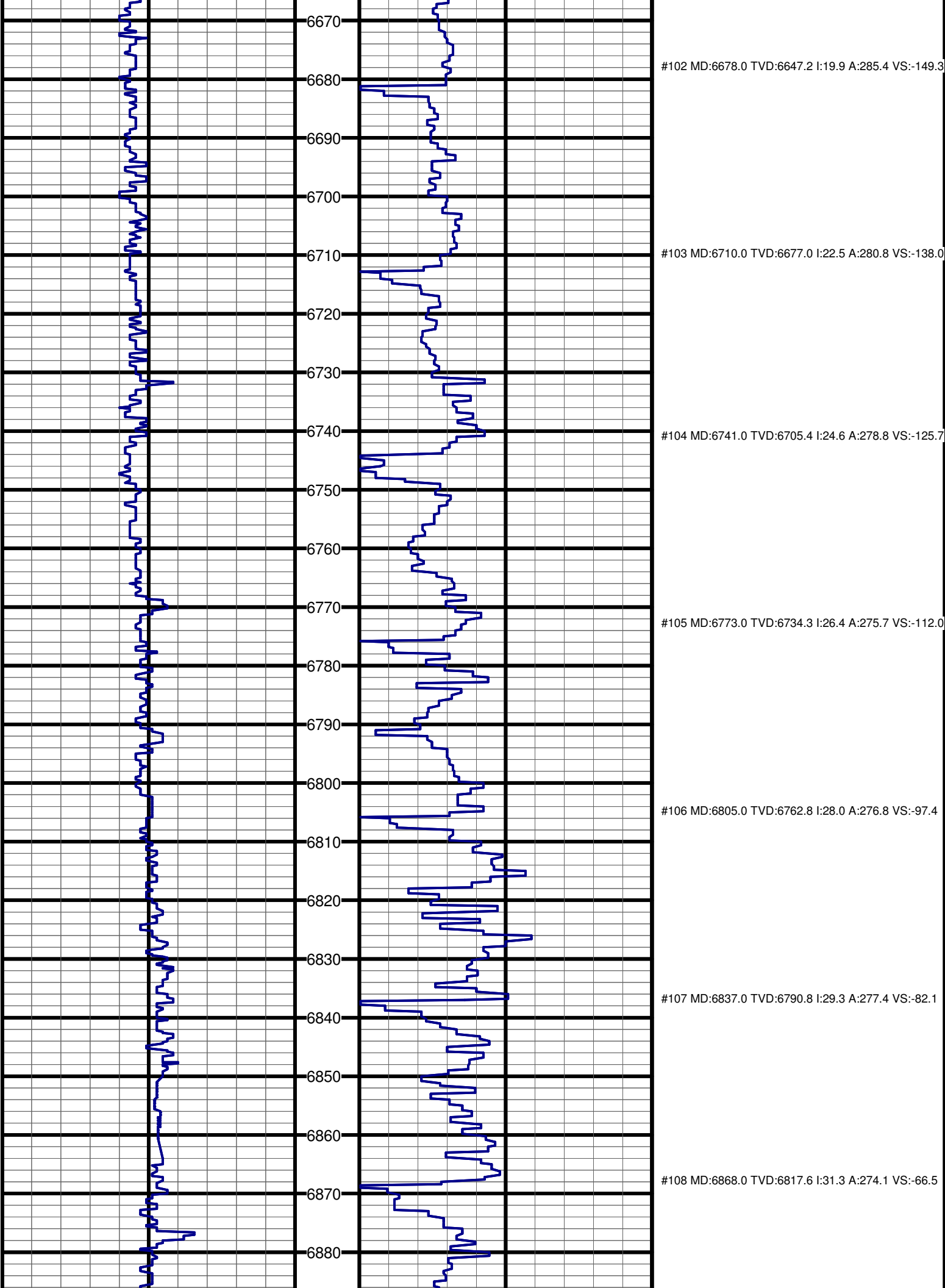
#91 MD:6329.0 TVD:6303.1 I:2.5 A:84.2 VS:-187.3

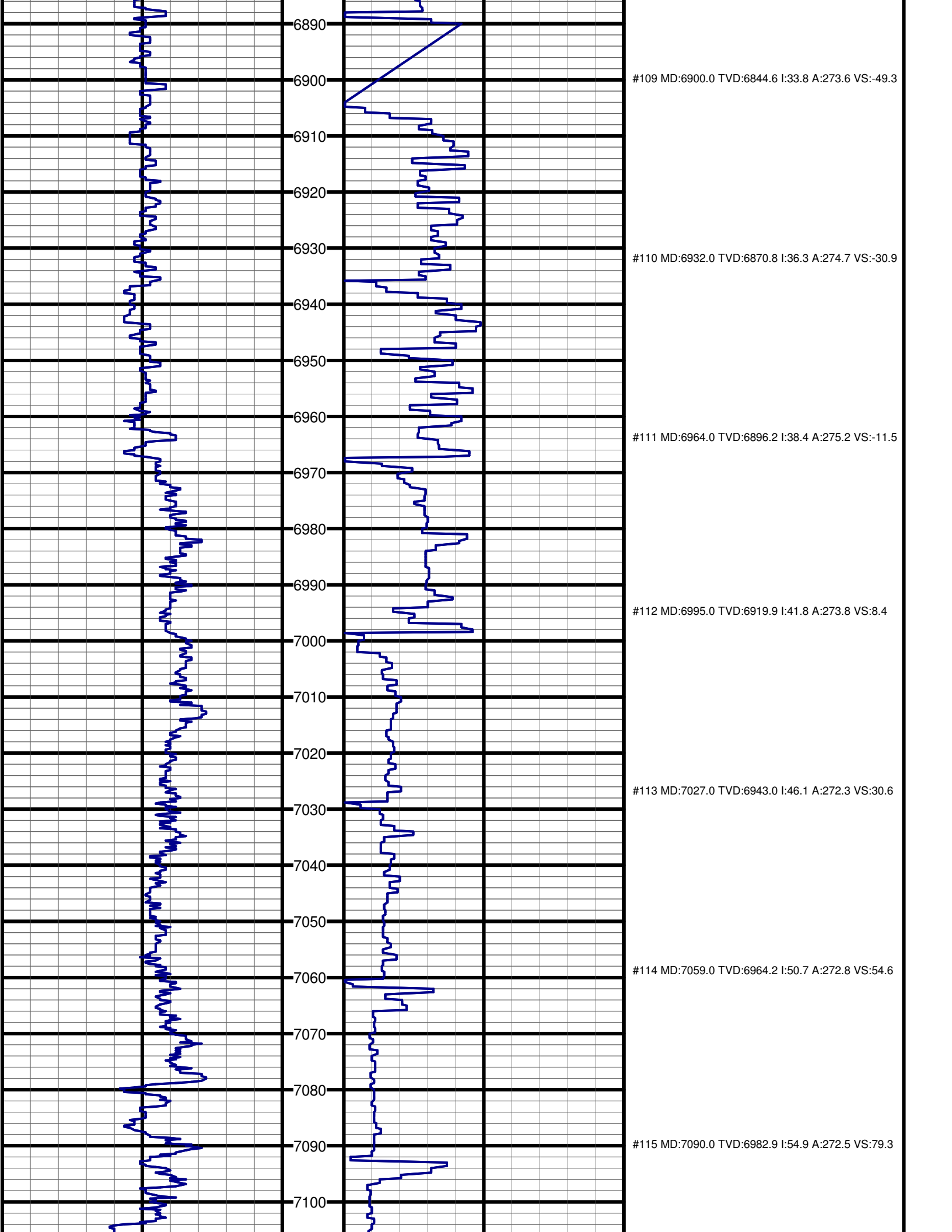
#92 MD:6361.0 TVD:6335.0 I:2.2 A:40.1 VS:-188.3

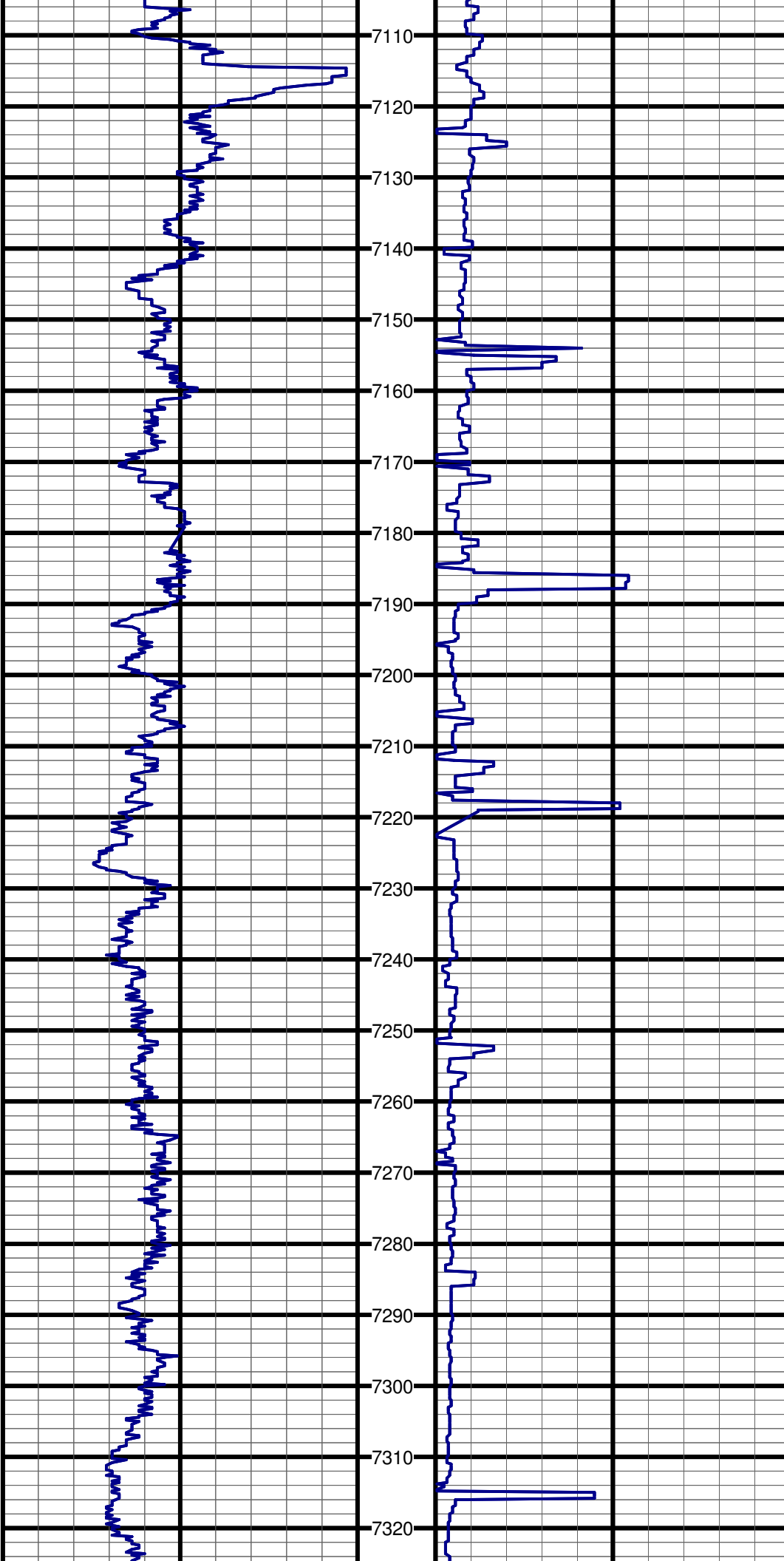
#93 MD:6392.0 TVD:6366.0 I:1.8 A:352.1 VS:-188.6

#94 MD:6424.0 TVD:6398.0 I:2.9 A:320.4 VS:-188.0









#116 MD:7122.0 TVD:7000.3 I:59.5 A:272.6 VS:106.1

#117 MD:7154.0 TVD:7015.3 I:64.3 A:272.4 VS:134.4

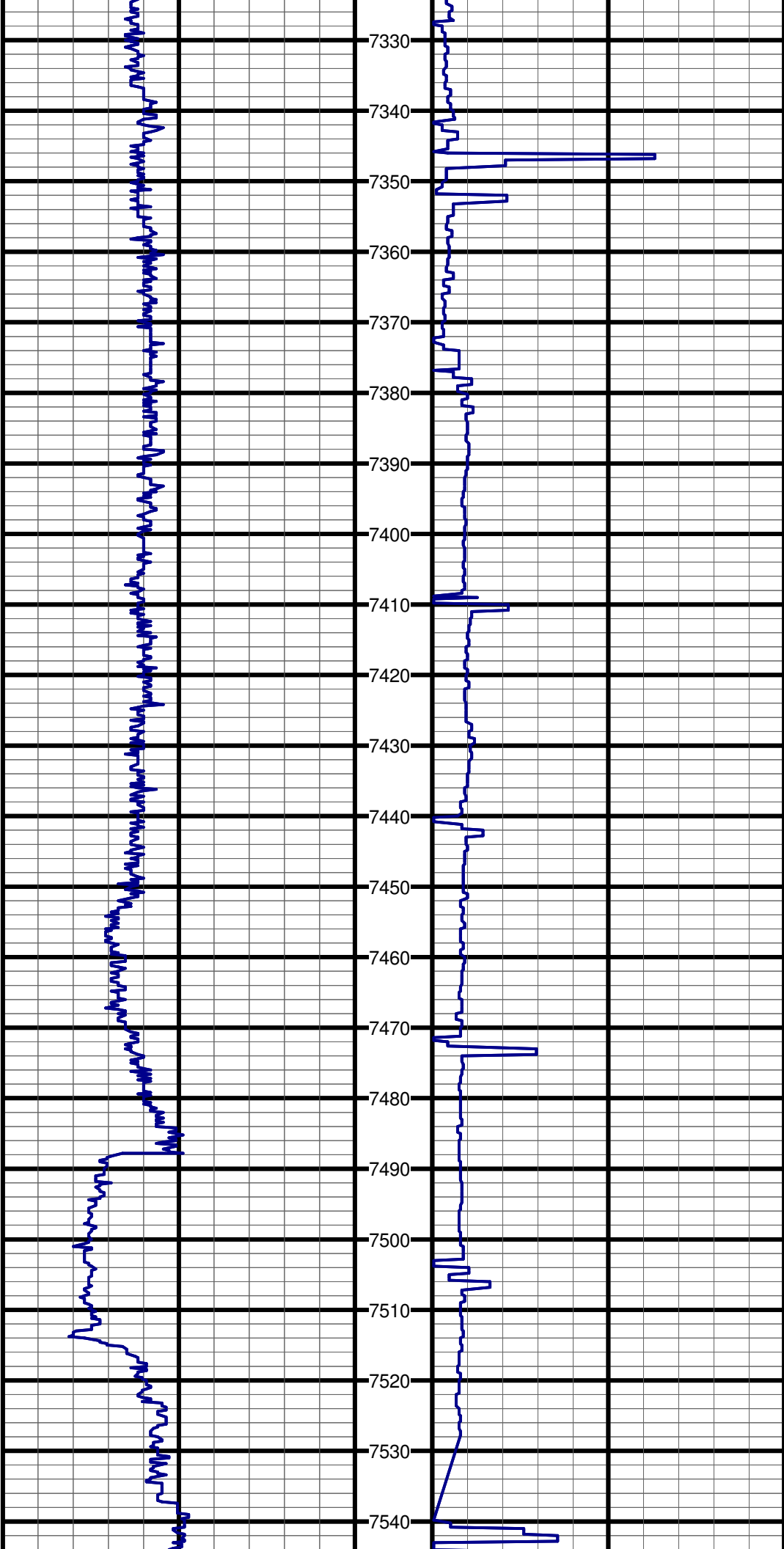
#118 MD:7186.0 TVD:7028.3 I:67.7 A:273.5 VS:163.6

#119 MD:7217.0 TVD:7039.3 I:71.0 A:273.7 VS:192.6

#120 MD:7249.0 TVD:7048.7 I:74.8 A:274.5 VS:223.2

#121 MD:7281.0 TVD:7056.0 I:78.9 A:275.8 VS:254.3

#122 MD:7313.0 TVD:7060.9 I:83.2 A:275.4 VS:285.8



#123 MD:7344.0 TVD:7063.6 I:87.0 A:274.7 VS:316.7

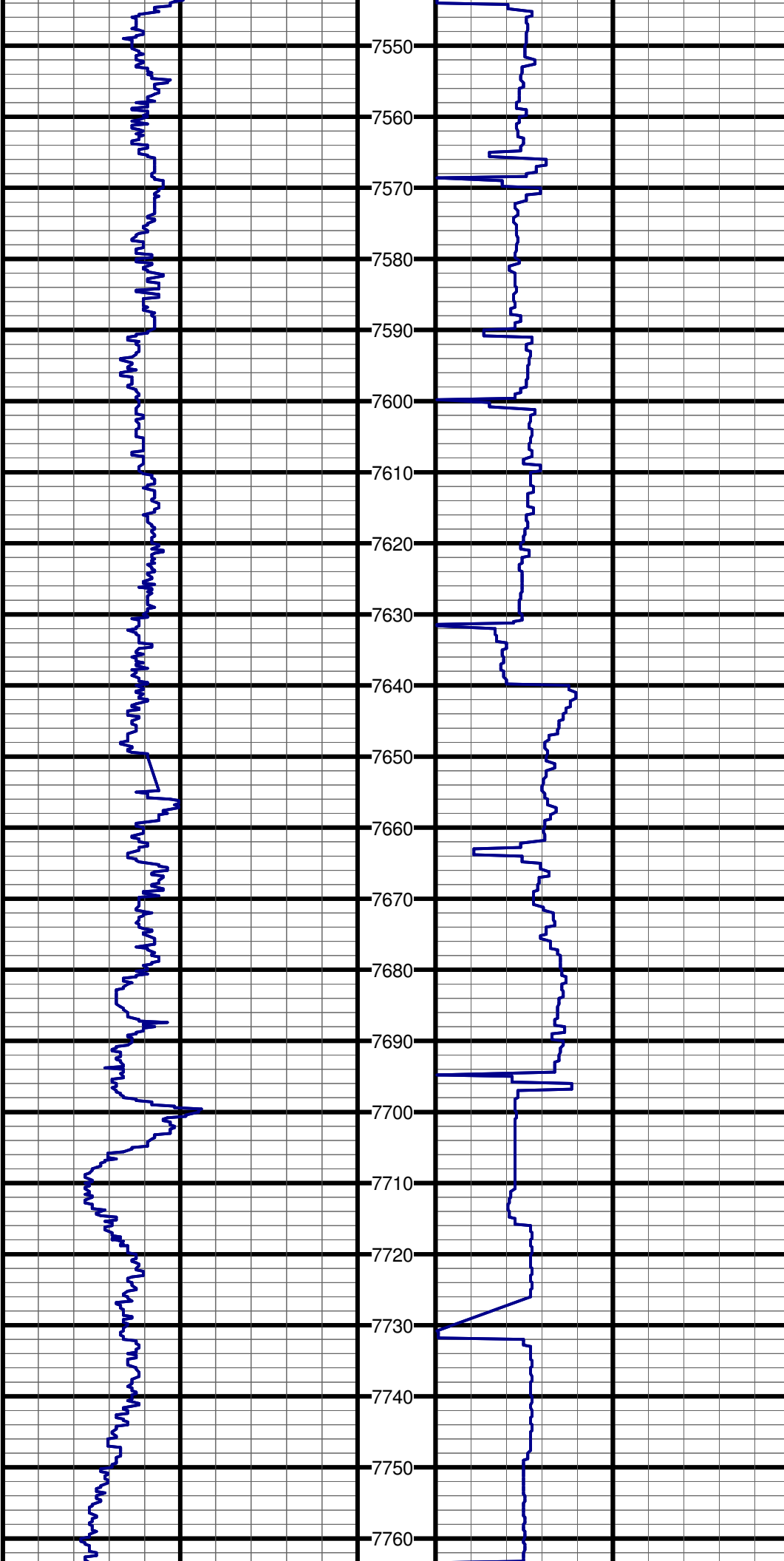
#124 MD:7376.0 TVD:7064.6 I:89.5 A:274.8 VS:348.6

#125 MD:7408.0 TVD:7064.6 I:90.5 A:275.0 VS:380.6

#126 MD:7439.0 TVD:7064.0 I:91.6 A:274.9 VS:411.5

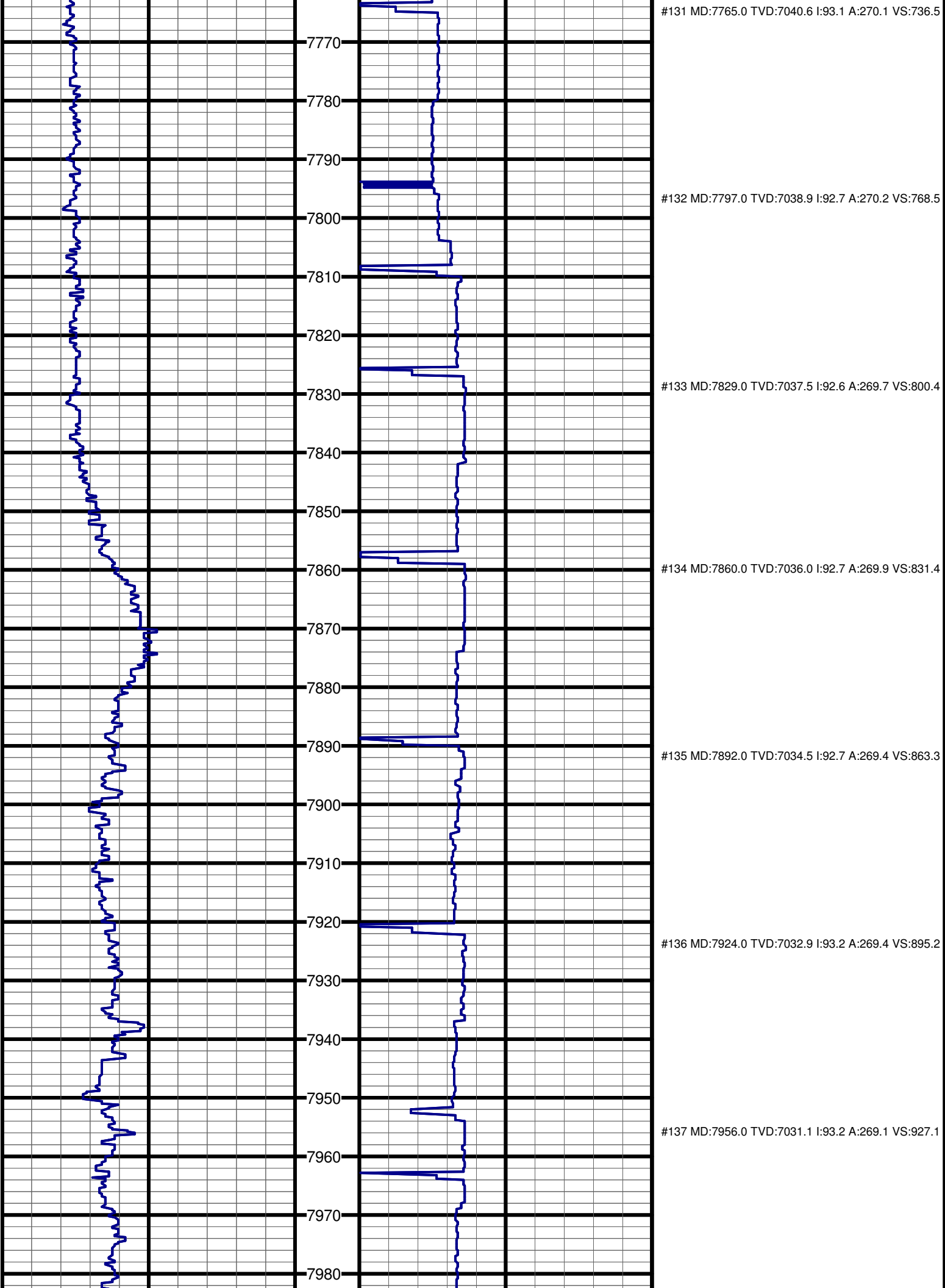
#127 MD:7461.0 TVD:7063.3 I:92.2 A:274.3 VS:433.5

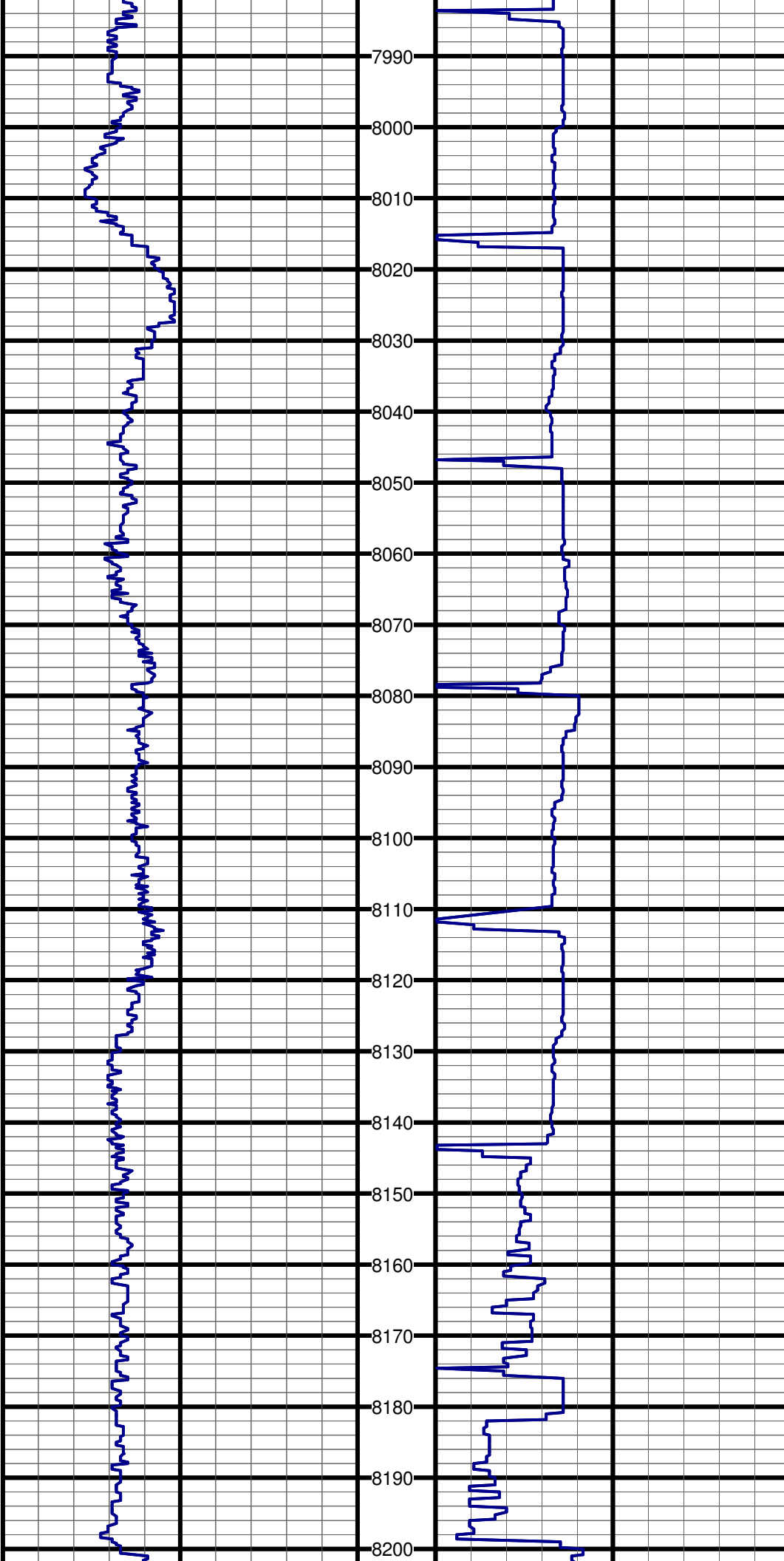
#128 MD:7543.0 TVD:7058.2 I:94.9 A:273.2 VS:515.3



#129 MD:7638.0 TVD:7049.8 I:95.2 A:271.4 VS:609.9

#130 MD:7733.0 TVD:7042.5 I:93.7 A:270.3 VS:704.6





#138 MD:7987.0 TVD:7029.4 I:93.1 A:269.1 VS:958.0

#139 MD:8019.0 TVD:7027.8 I:92.6 A:268.9 VS:989.9

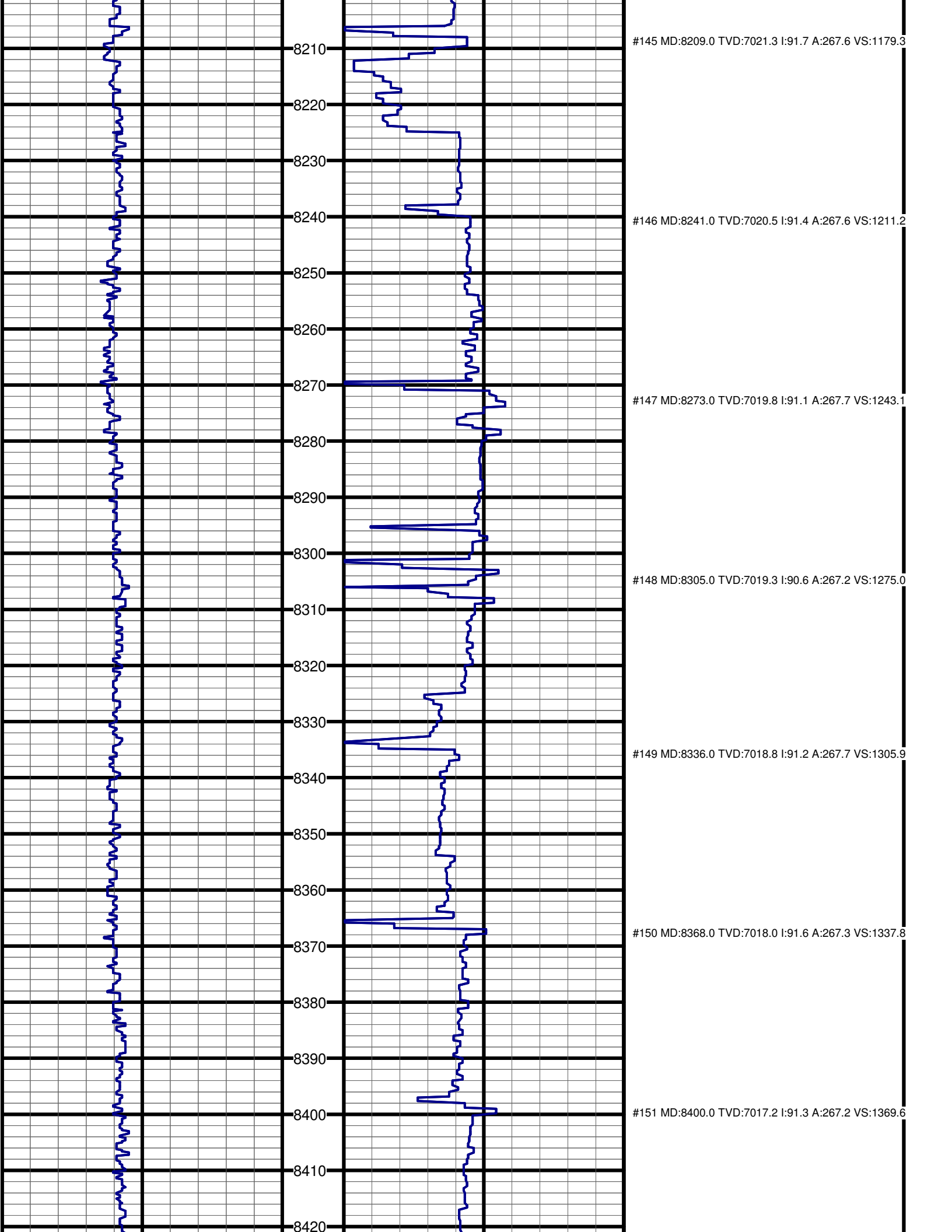
#140 MD:8051.0 TVD:7026.5 I:92.2 A:268.4 VS:1021.8

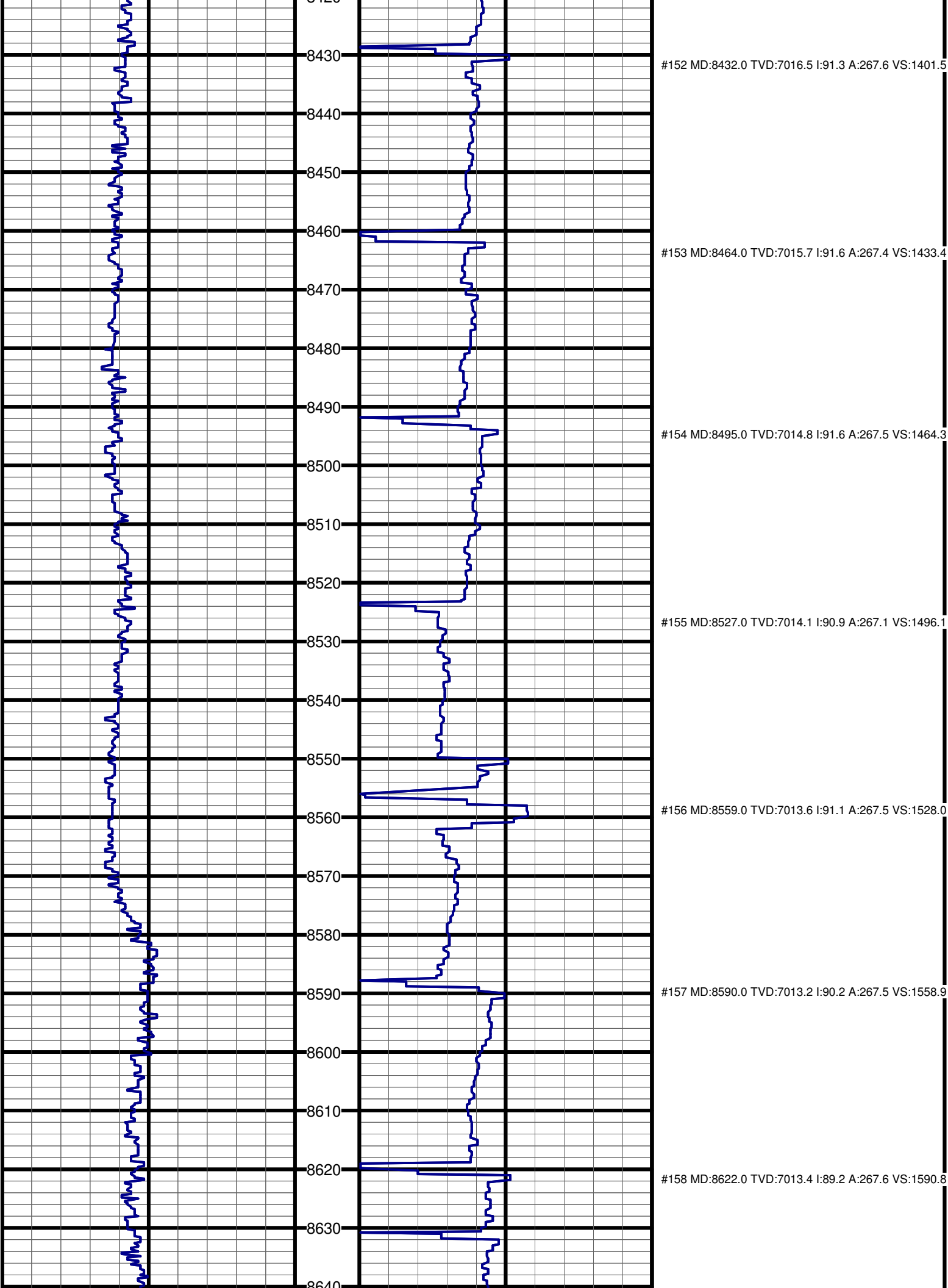
#141 MD:8083.0 TVD:7025.3 I:91.9 A:268.5 VS:1053.7

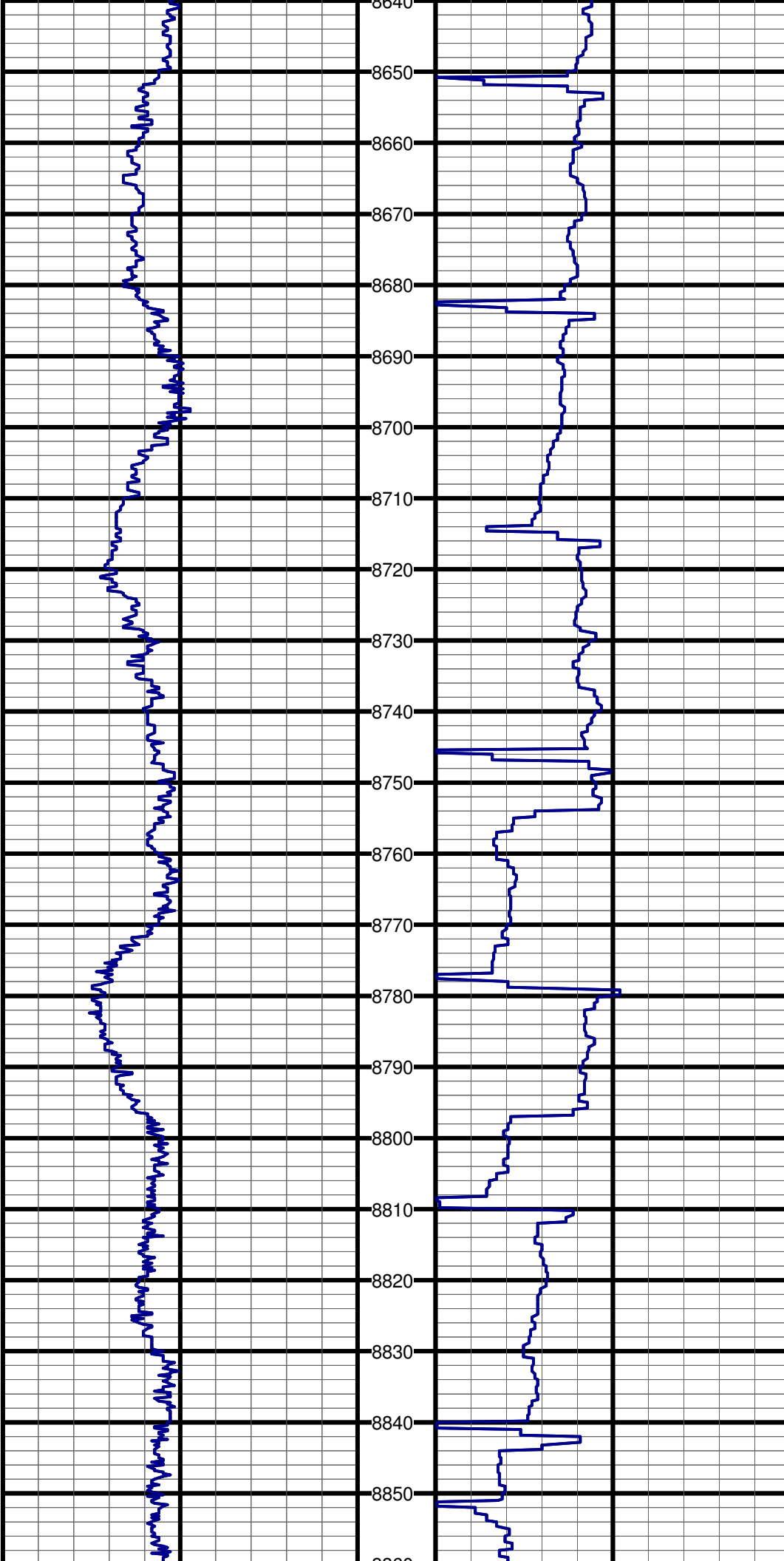
#142 MD:8114.0 TVD:7024.3 I:92.0 A:268.3 VS:1084.7

#143 MD:8146.0 TVD:7023.2 I:91.7 A:268.1 VS:1116.6

#144 MD:8178.0 TVD:7022.3 I:91.7 A:267.9 VS:1148.5



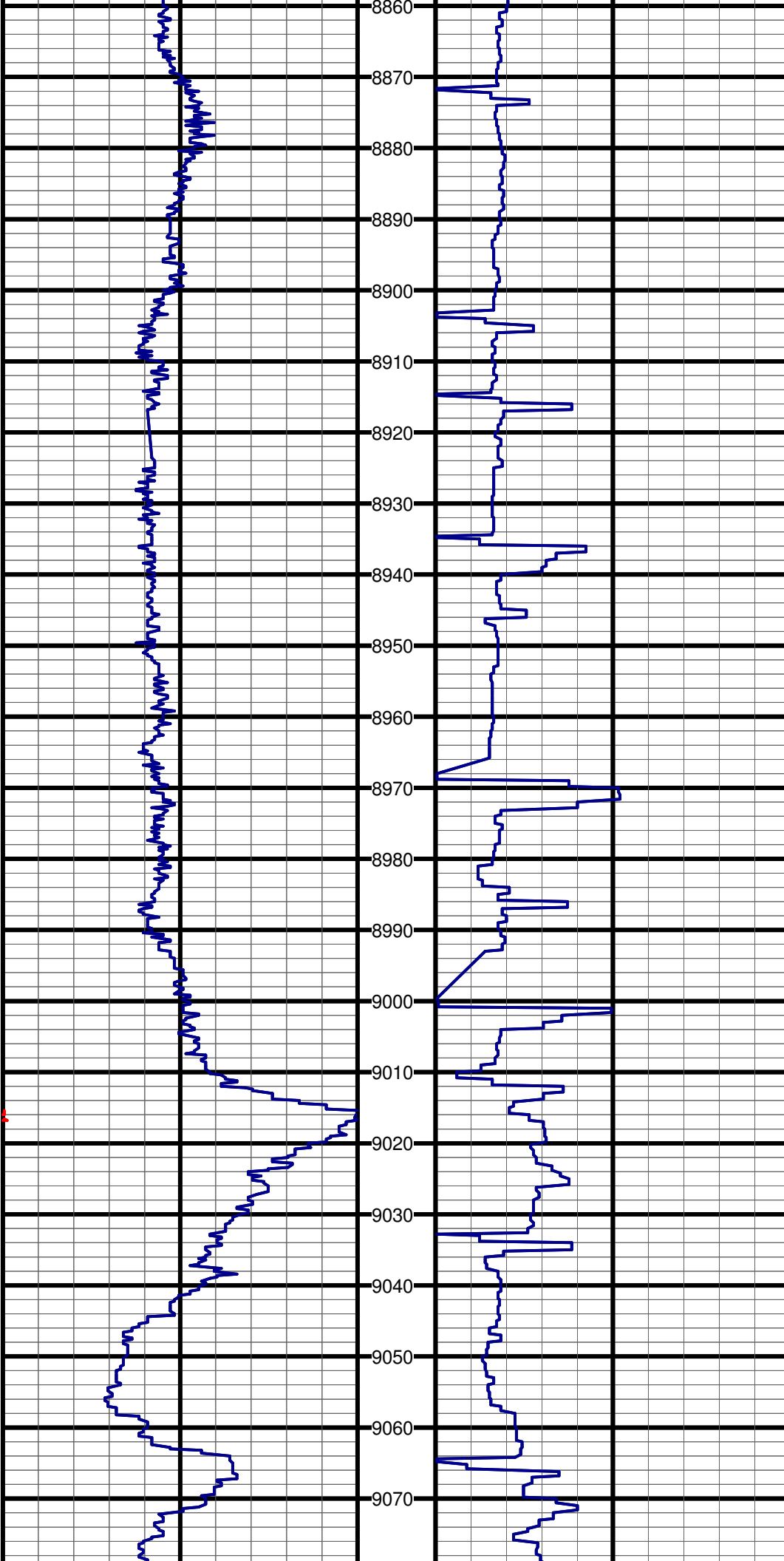




#159 MD:8654.0 TVD:7014.1 I:88.3 A:268.3 VS:1622.7

#160 MD:8685.0 TVD:7015.2 I:87.6 A:269.0 VS:1653.6

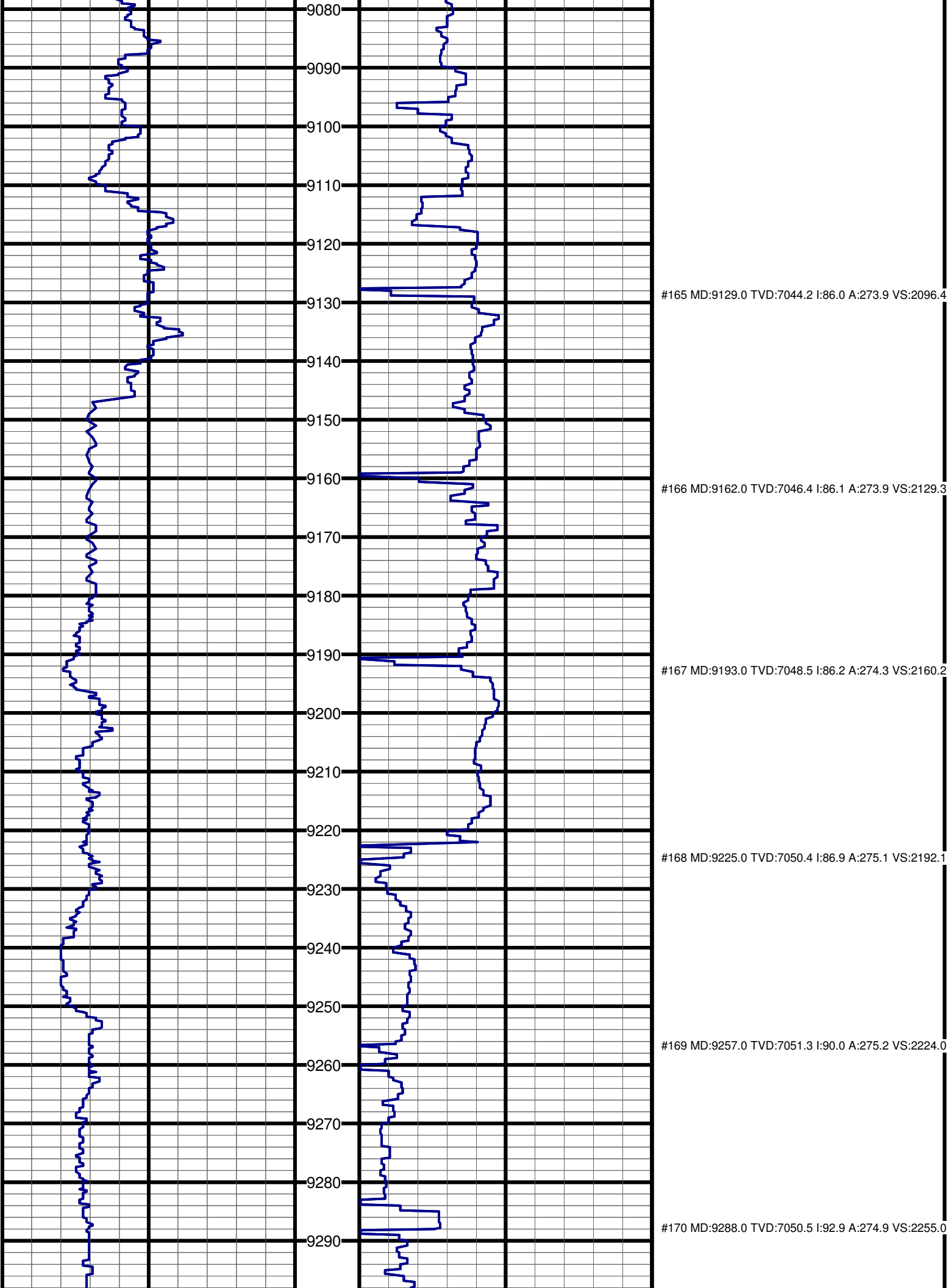
#161 MD:8781.0 TVD:7020.1 I:86.6 A:269.6 VS:1749.4

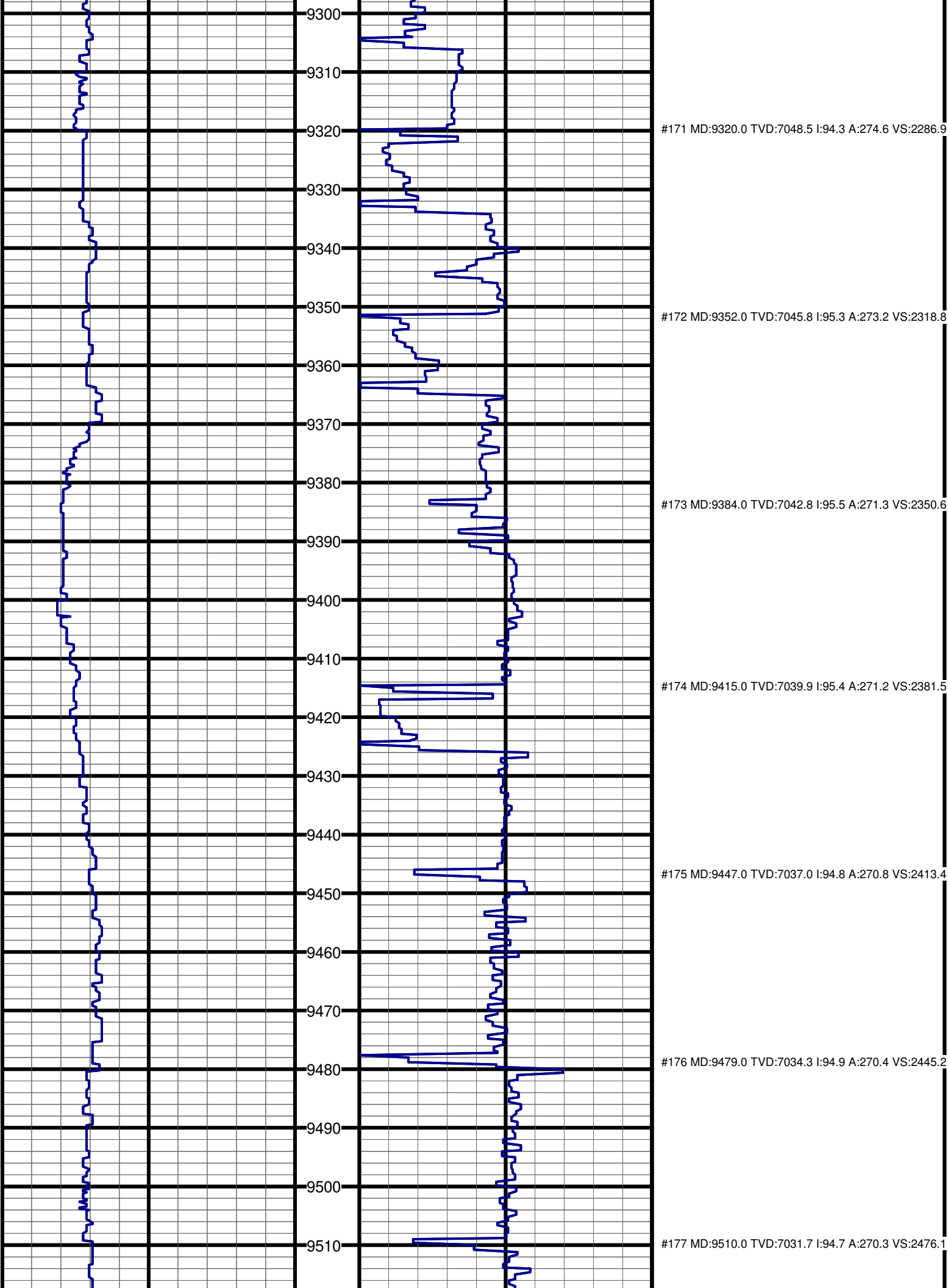


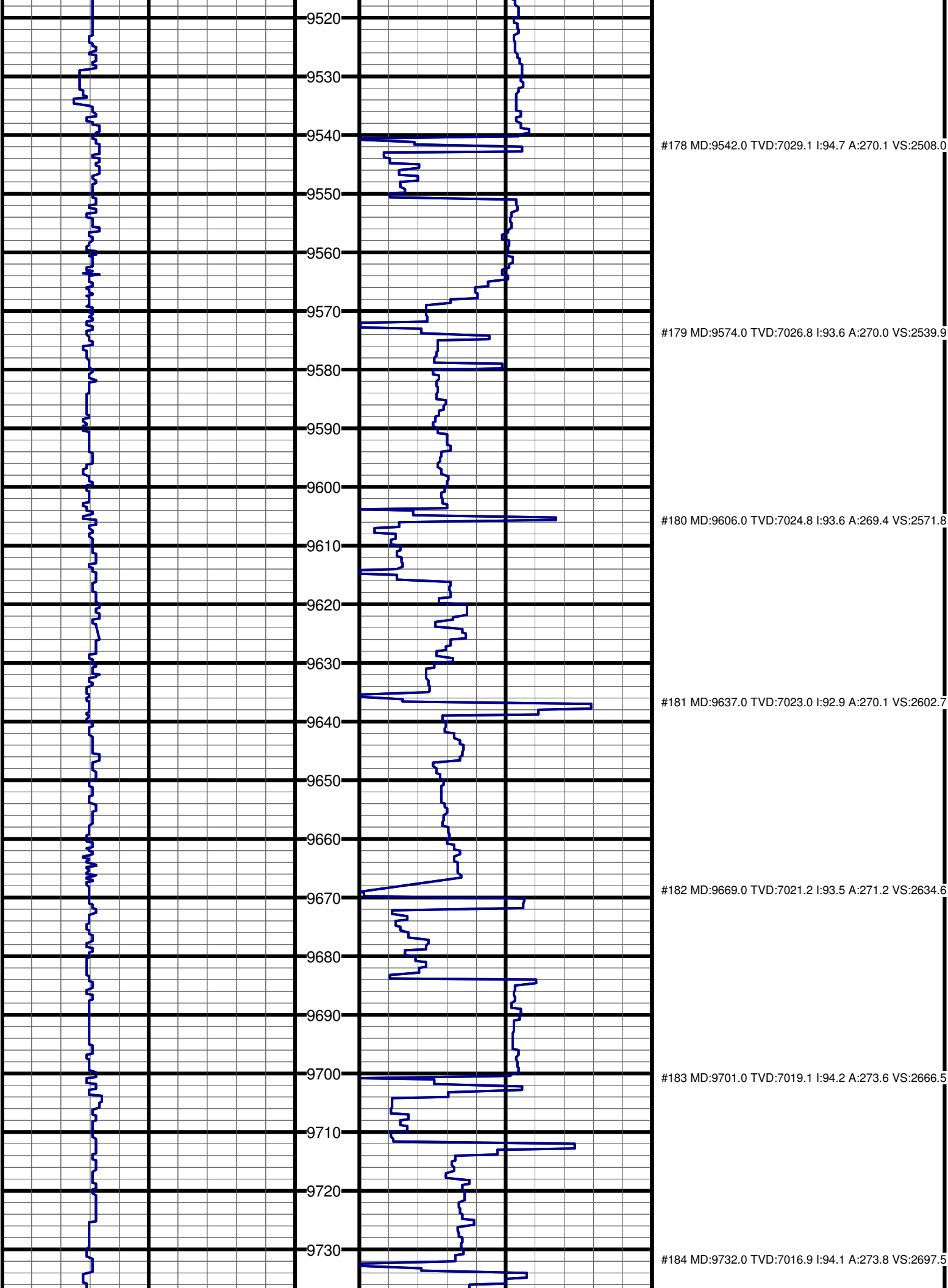
#162 MD:8876.0 TVD:7026.0 I:86.2 A:270.2 VS:1844.1

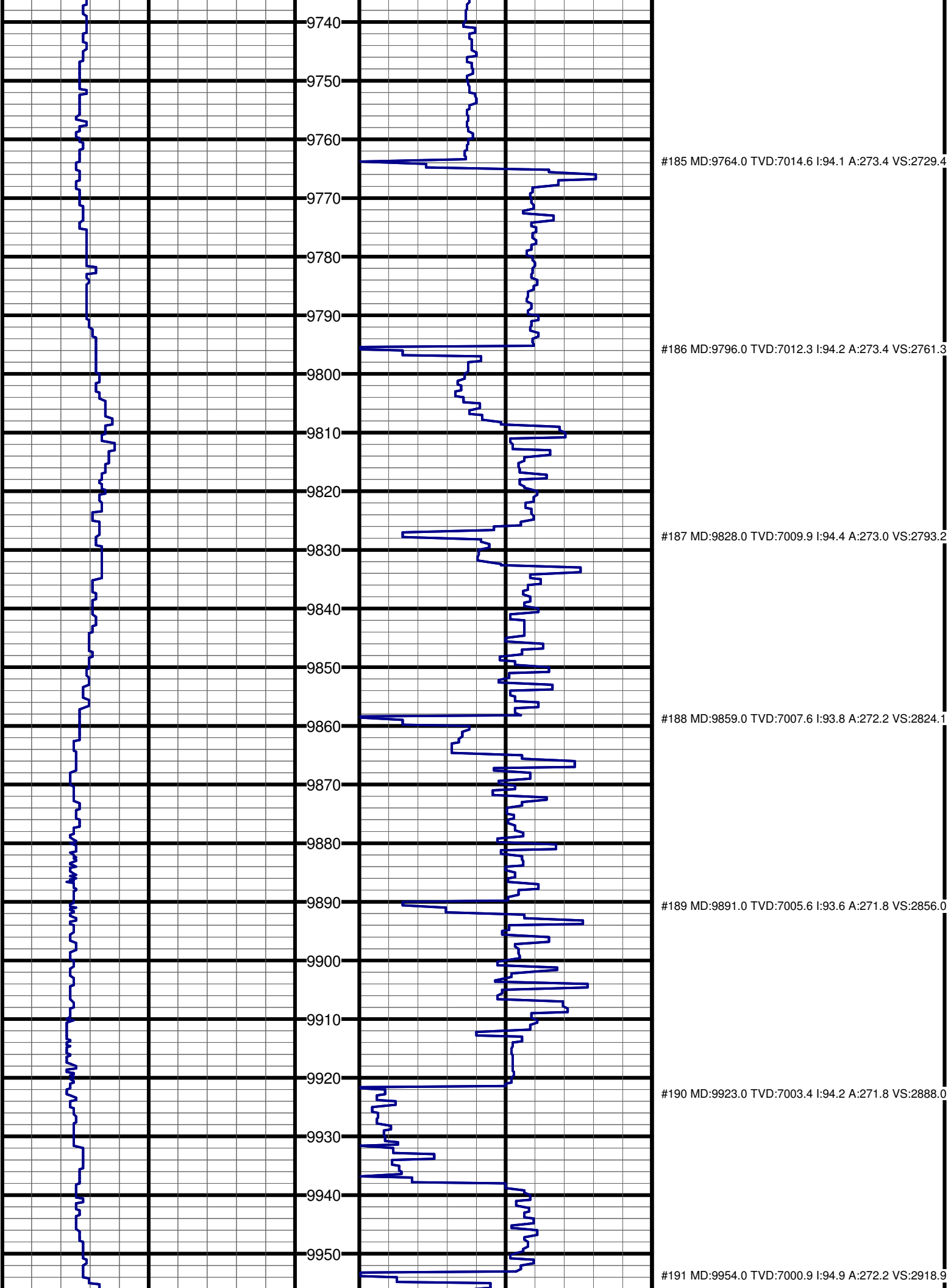
#163 MD:8971.0 TVD:7032.8 I:85.6 A:271.0 VS:1938.8

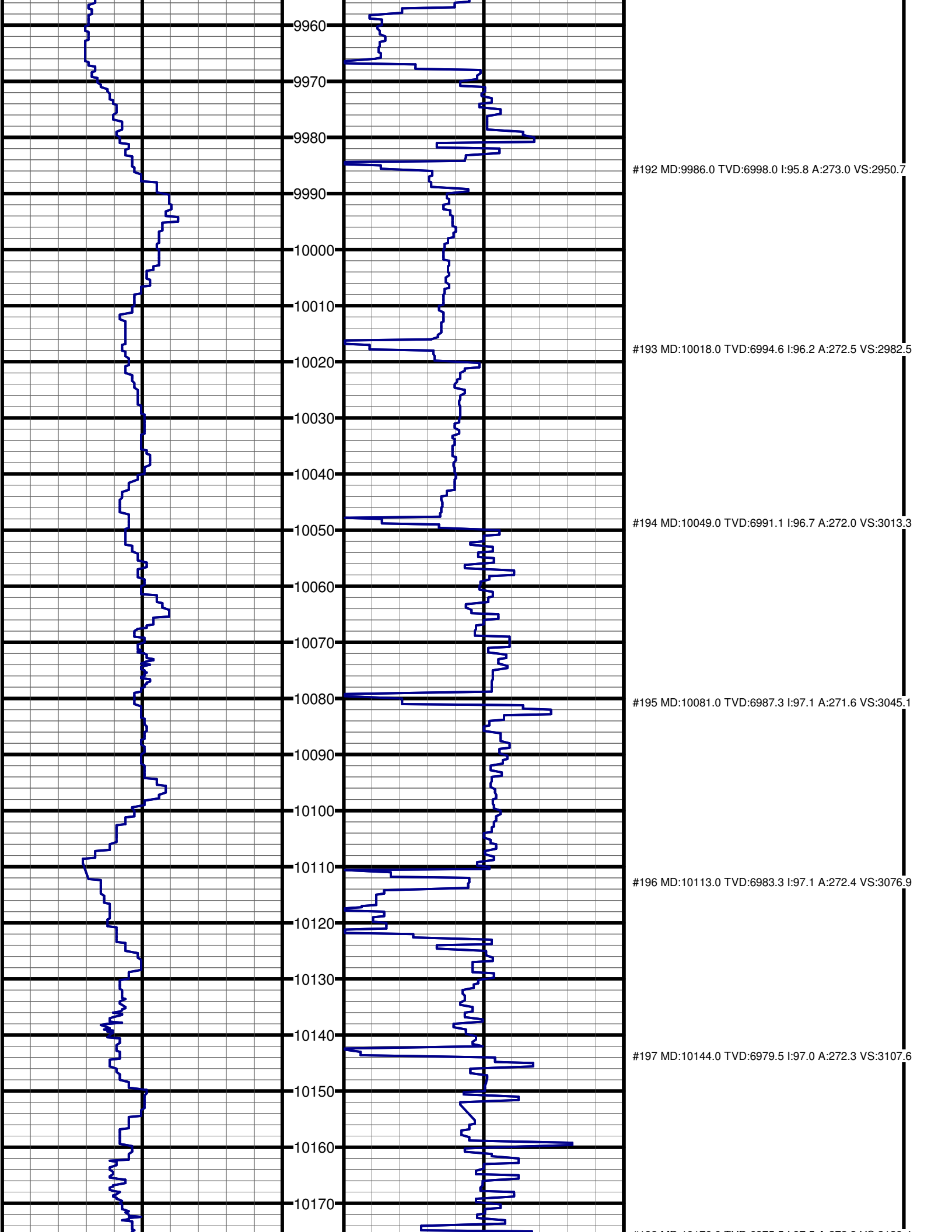
#164 MD:9066.0 TVD:7039.8 I:86.0 A:273.2 VS:2033.5

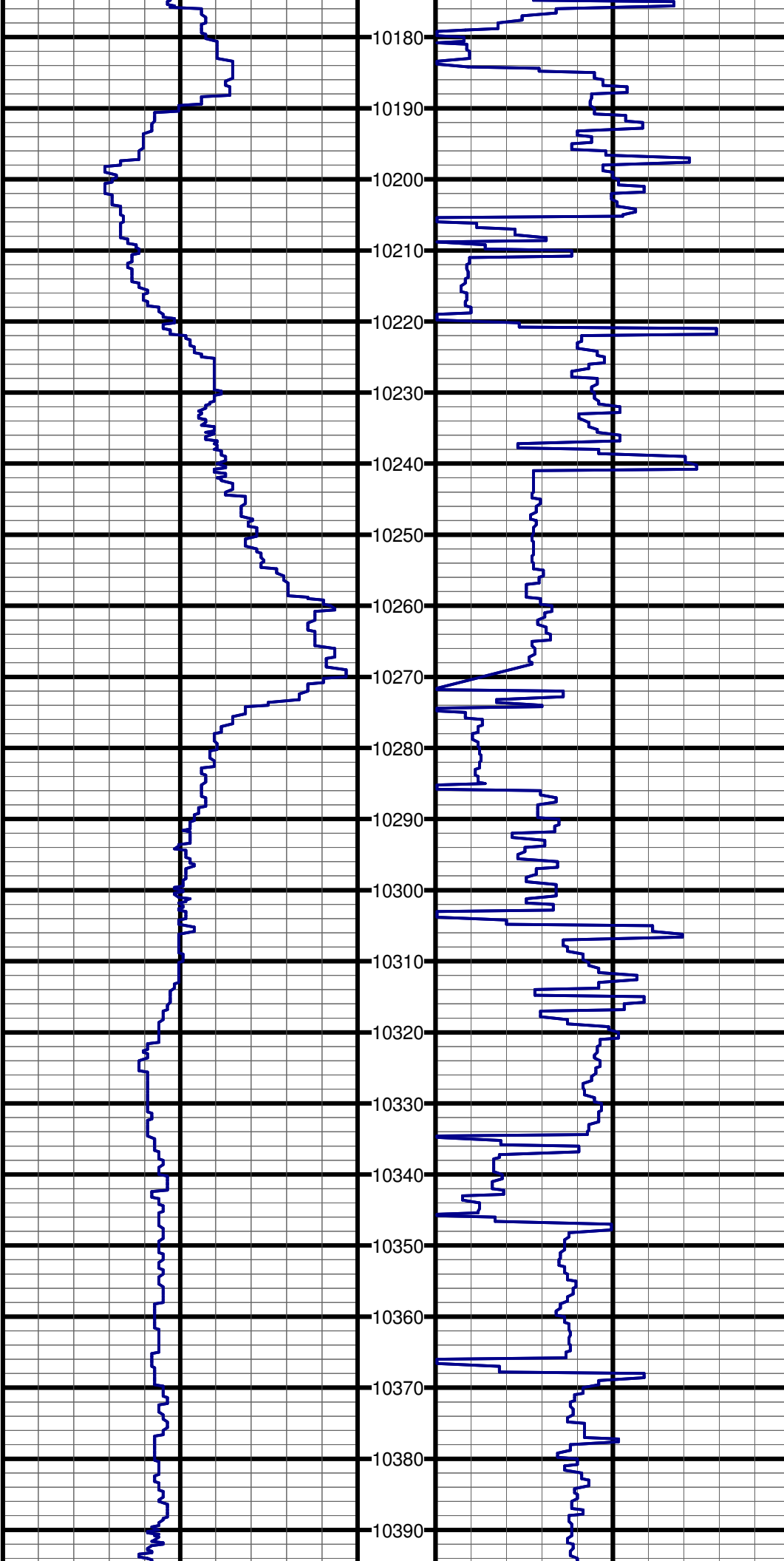












#198 MD:10176.0 TVD:6975.5 I:97.5 A:272.3 VS:3139.4

#199 MD:10208.0 TVD:6971.3 I:97.5 A:272.6 VS:3171.1

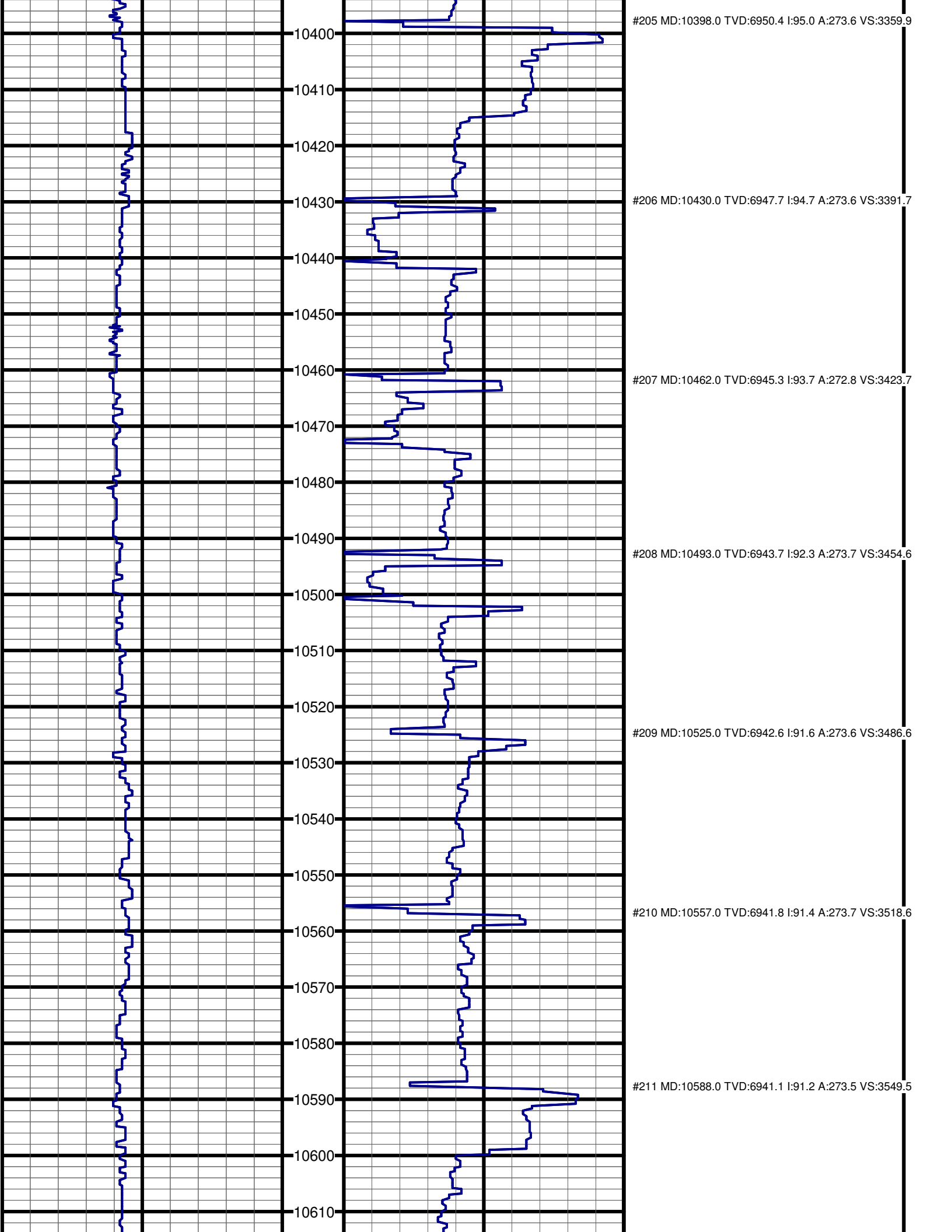
#200 MD:10240.0 TVD:6967.3 I:96.8 A:273.3 VS:3202.9

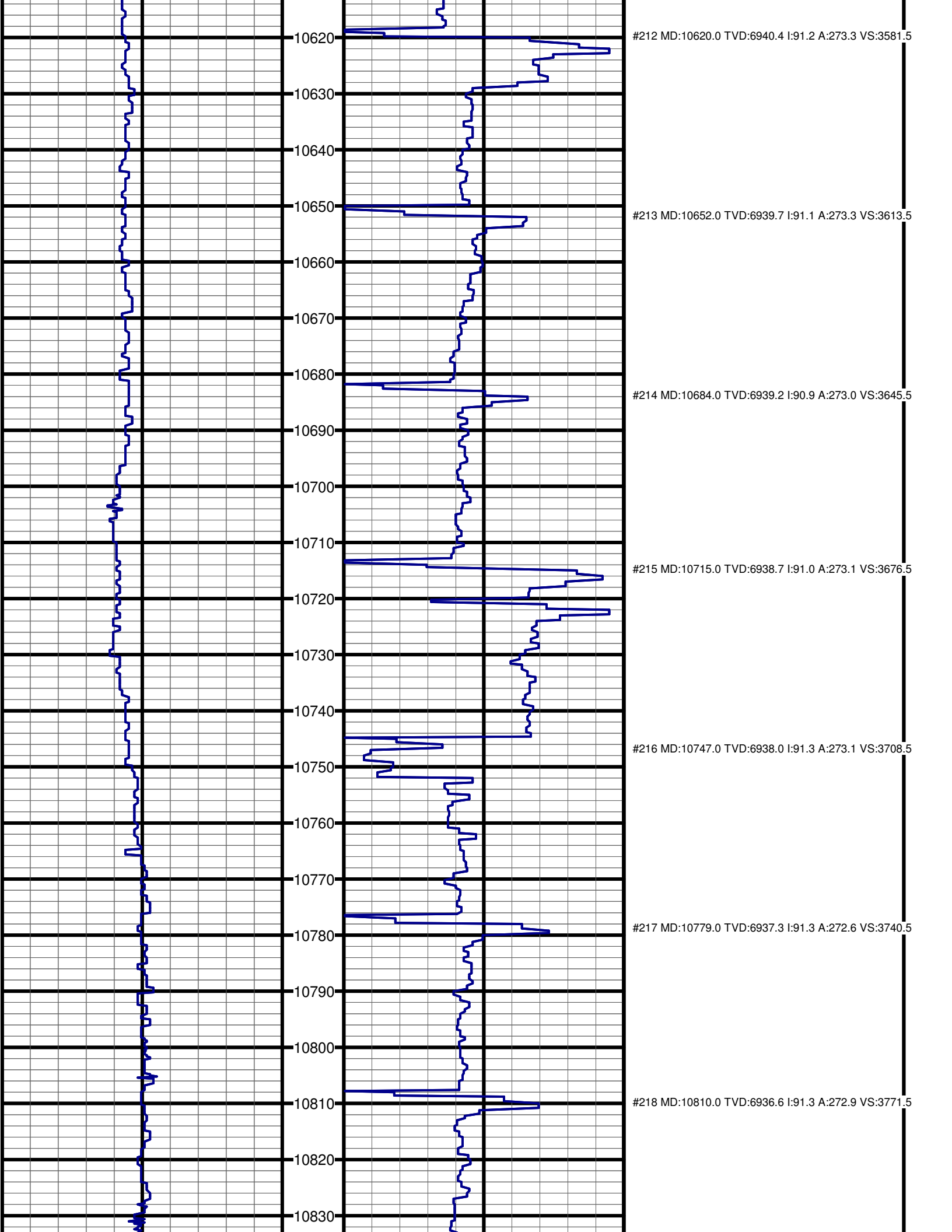
#201 MD:10271.0 TVD:6963.6 I:97.1 A:273.5 VS:3233.6

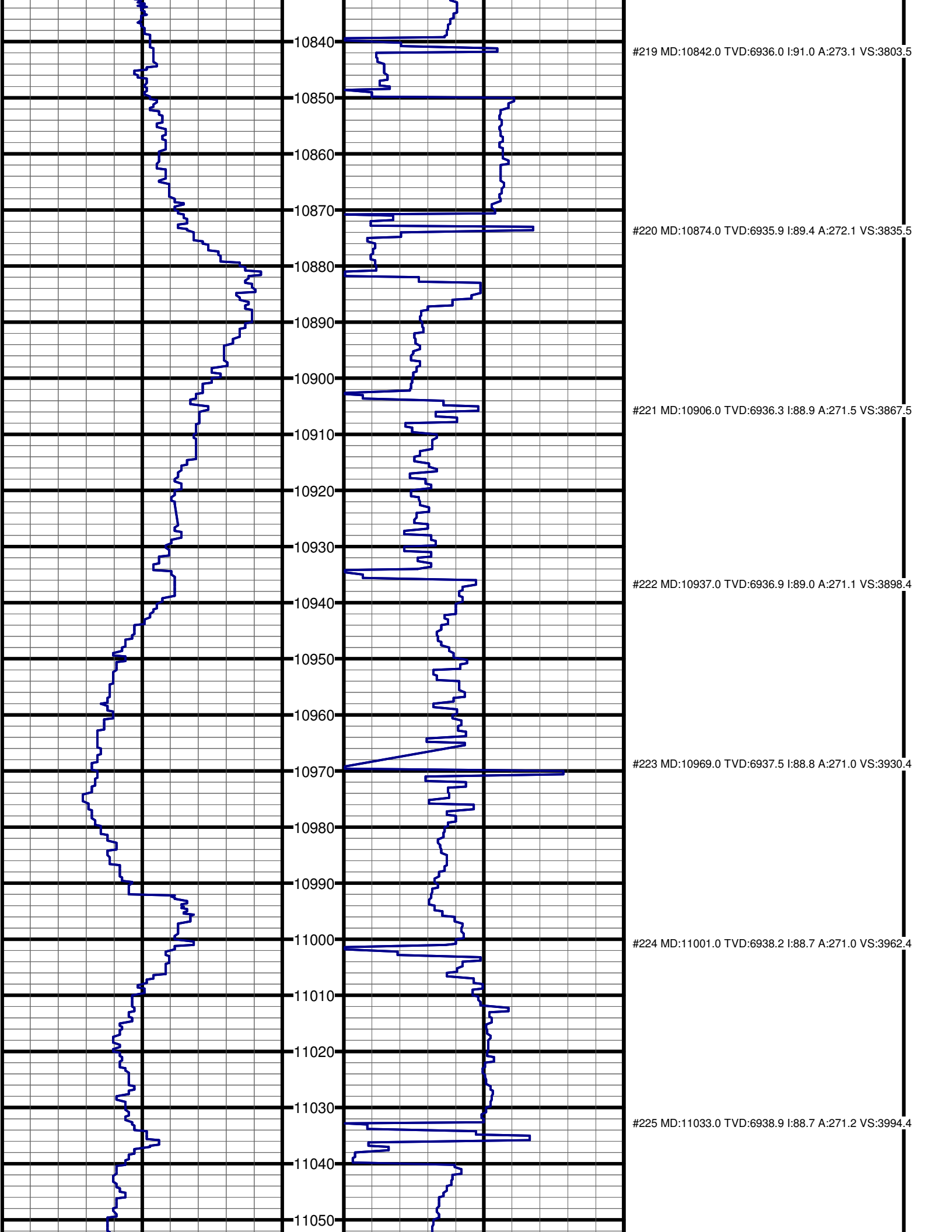
#202 MD:10303.0 TVD:6959.8 I:96.4 A:273.7 VS:3265.4

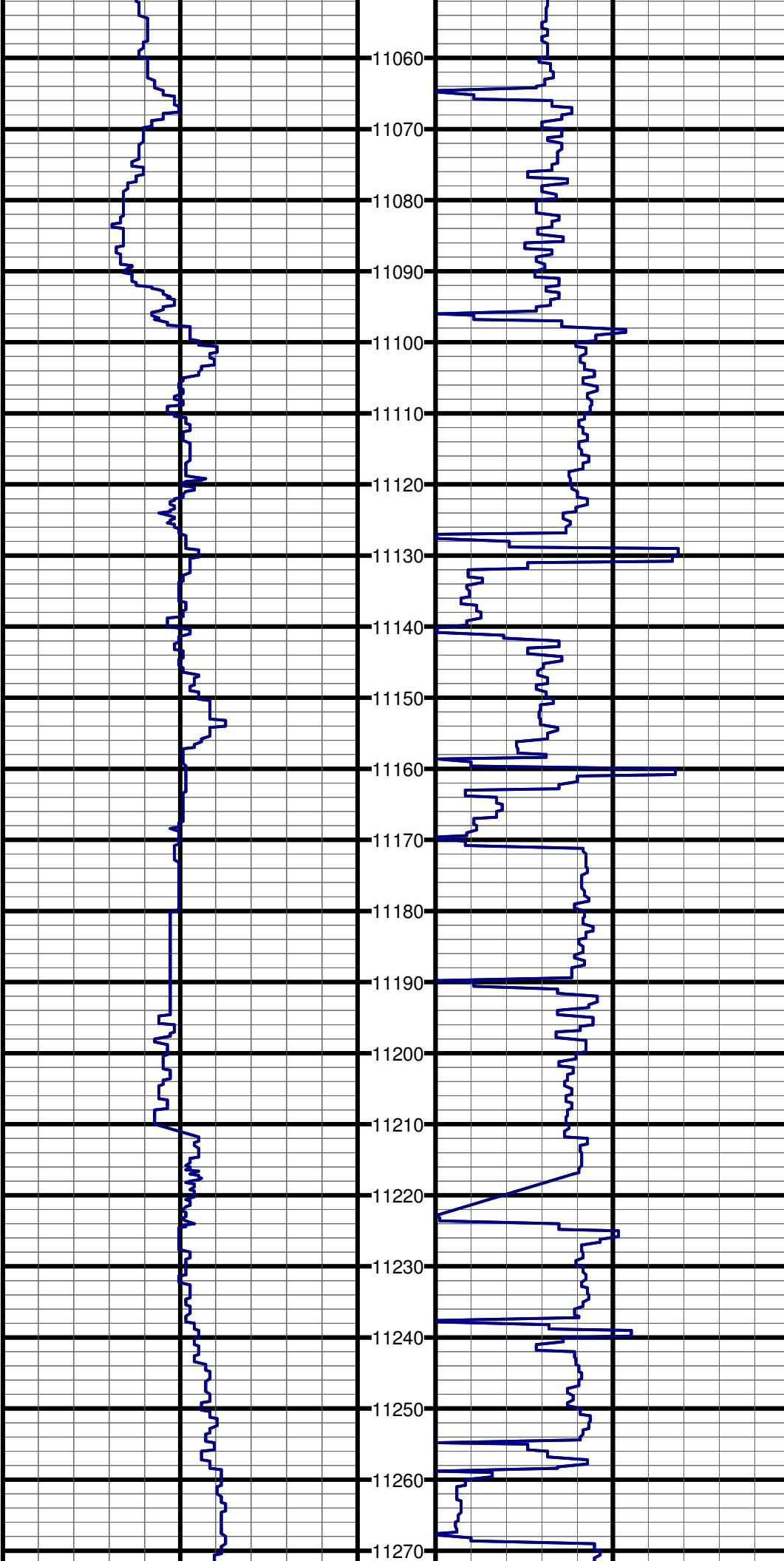
#203 MD:10335.0 TVD:6956.2 I:96.4 A:274.3 VS:3297.2

#204 MD:10367.0 TVD:6953.1 I:95.0 A:274.1 VS:3329.0









#226 MD:11064.0 TVD:6939.7 I:88.6 A:271.2 VS:4025.4

#227 MD:11096.0 TVD:6940.4 I:88.6 A:271.0 VS:4057.4

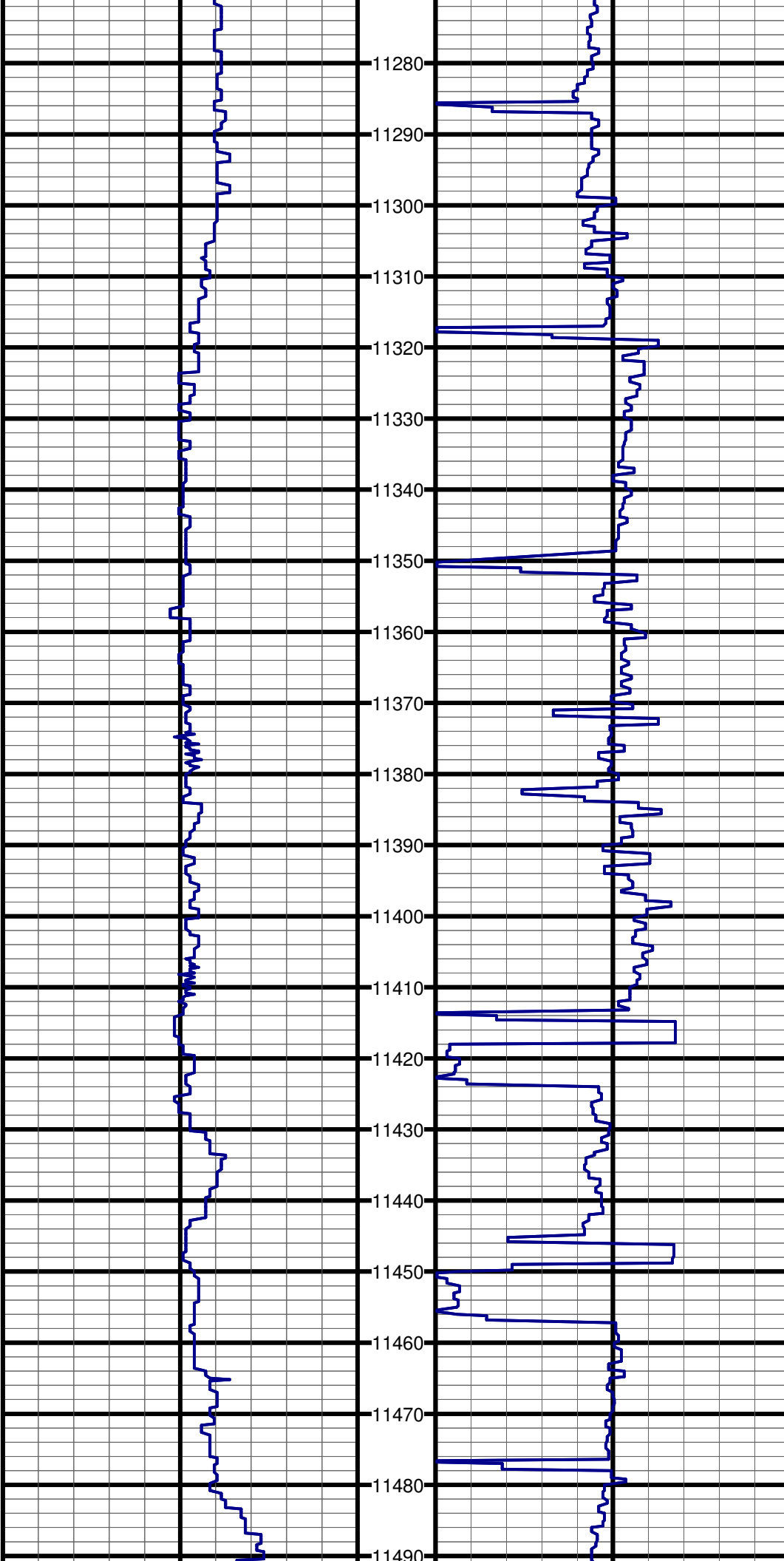
#228 MD:11128.0 TVD:6941.1 I:89.1 A:271.2 VS:4089.4

#229 MD:11159.0 TVD:6941.3 I:90.0 A:271.7 VS:4120.4

#230 MD:11192.0 TVD:6941.2 I:90.5 A:272.0 VS:4153.4

#231 MD:11222.0 TVD:6940.9 I:90.5 A:272.0 VS:4183.3

#232 MD:11254.0 TVD:6940.5 I:90.9 A:271.8 VS:4215.3



#233 MD:11286.0 TVD:6939.8 I:91.6 A:272.1 VS:4247.3

#234 MD:11318.0 TVD:6938.9 I:91.9 A:272.1 VS:4279.3

#235 MD:11349.0 TVD:6938.0 I:91.2 A:271.1 VS:4310.3

#236 MD:11381.0 TVD:6937.5 I:90.7 A:269.8 VS:4342.3

#237 MD:11413.0 TVD:6937.0 I:91.2 A:269.5 VS:4374.2

#238 MD:11445.0 TVD:6936.1 I:91.9 A:269.3 VS:4406.2

#239 MD:11476.0 TVD:6934.9 I:92.5 A:269.9 VS:4437.1

