



Digital Drilling Data
Systems, LLC

GeologPlot

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

Company: Cathedral Energy Services

State: Colorado

Well: Chaves 4B-4H

County: Weld

Field: DJ Basin

Country: USA

Well ID: 05123354740000

Job Number: 125431

Location: SWSE S4-T1N-R6SW

Elev KB: 4929

Operator 1: Jared Nichols / Trevor Plunk

Elev DF: 13

Operator 2: Trevor Plunk

Elev GL: 4916

Comment 1:

Comment 2:

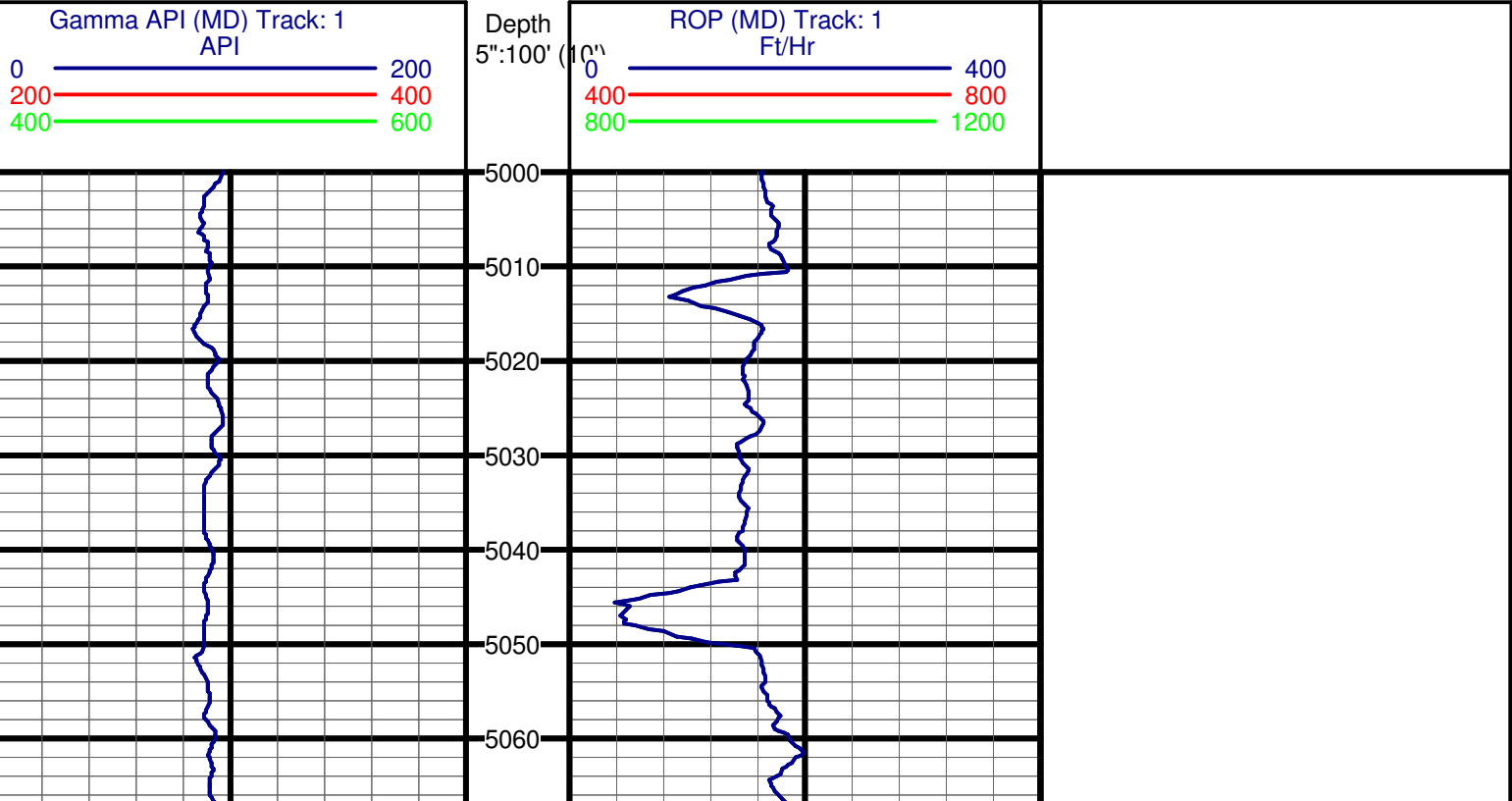
Comment 3:

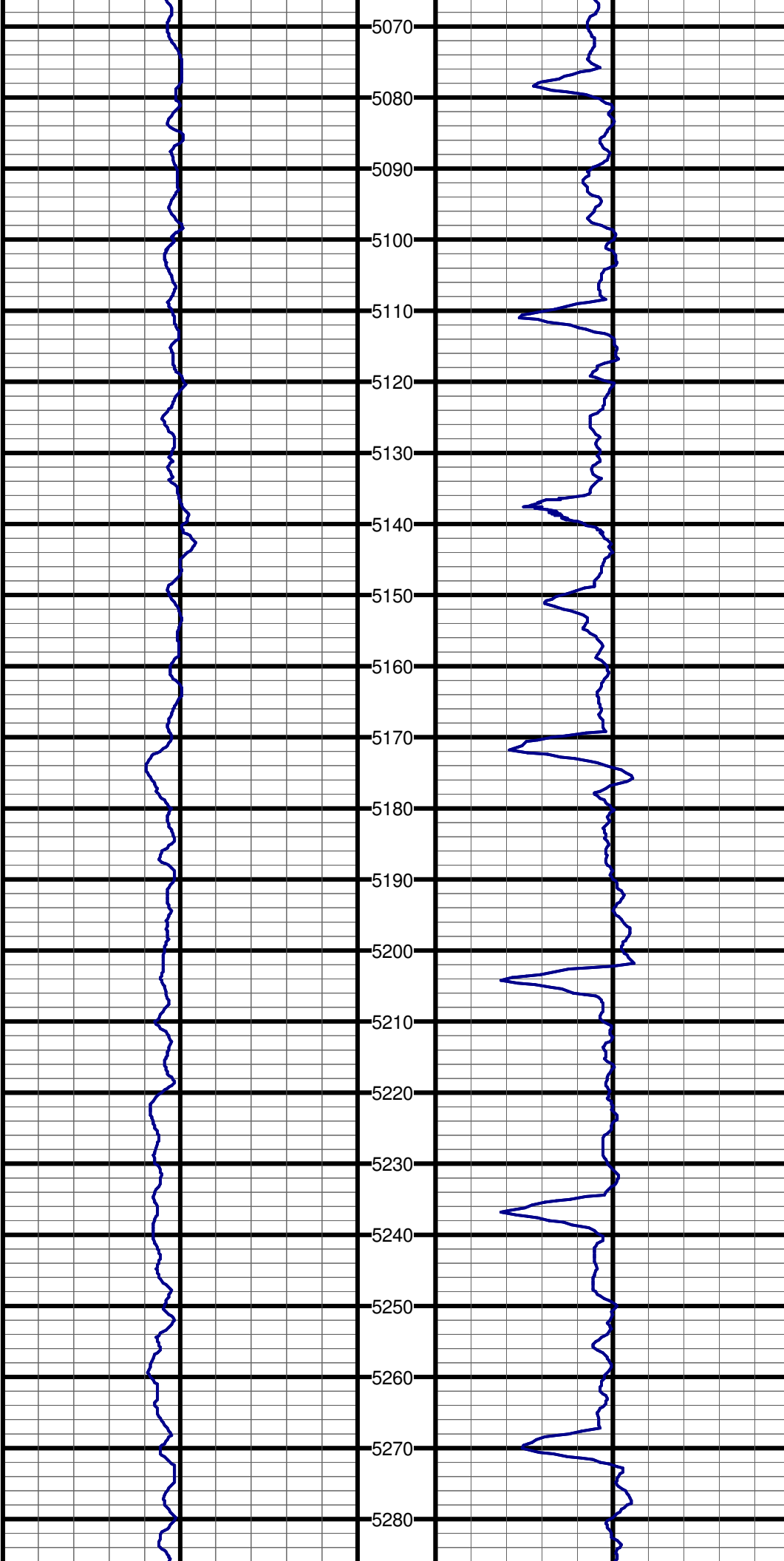
Comment 4:

Comment 5:

Hole Data			Casing Record		
Size	From	To	Size	From	To
12.25	0	936	9.625	0	921
8.75	936	7360	7	0	7327
6.125	7360	11460	4.5	0	11460

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N		1119	1119	1119	
Cal Factor		4.028	2.98	2.98	
Gamma Offset		38	34		
Start Depth		946	7360	9827	
Start Date		7/3/12	7/9/12	7/12/12	
Start Time		10:00	03:00	01:30	
End Depth		7360	9827	11460	
End Date		7/7/12	7/12/12	7/14/12	
End Time		19:00	00:00	21:00	

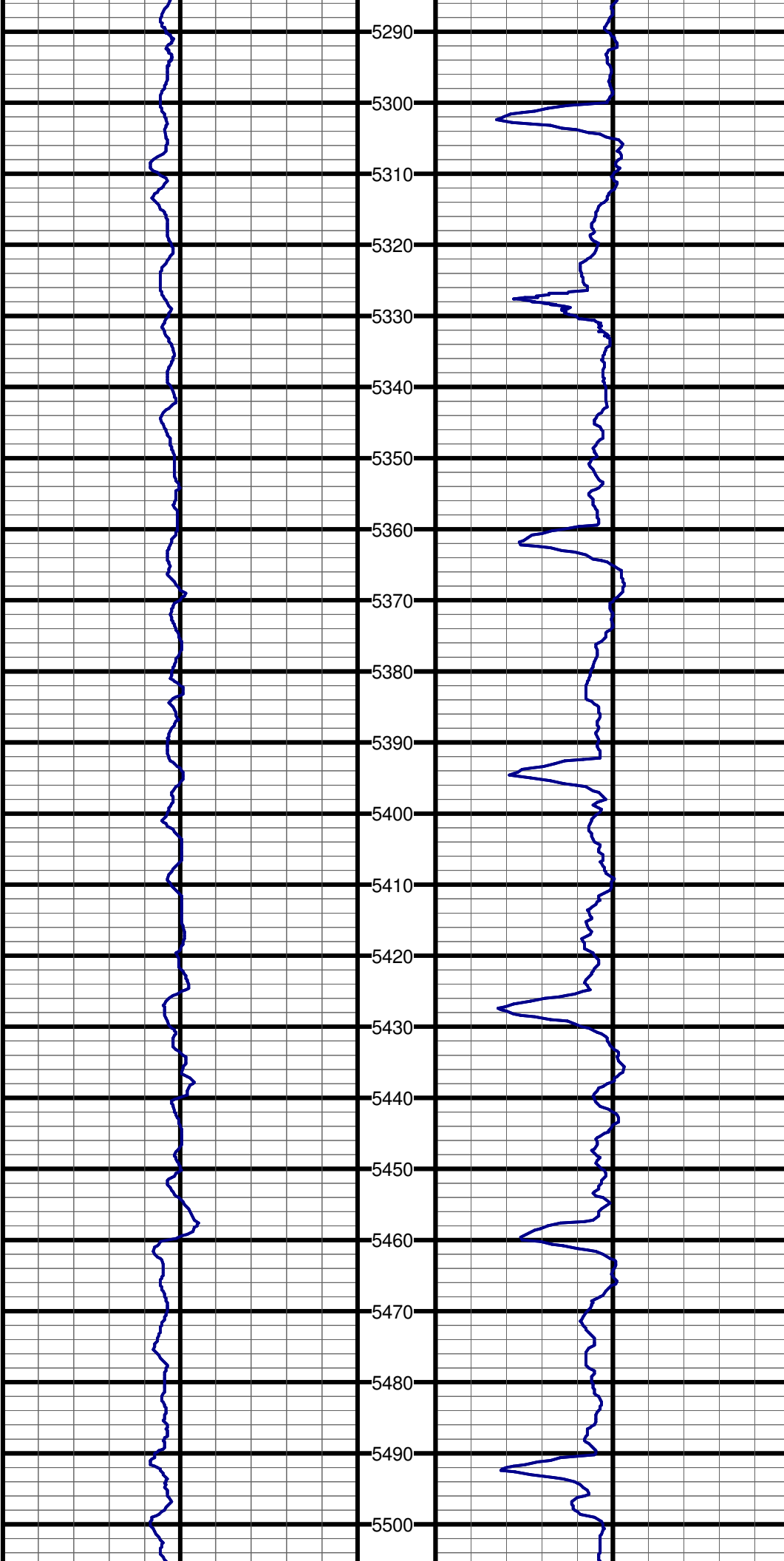




#2 MD:5086.0 TVD:5052.1 I:2.9 A:112.6 VS:-213.8

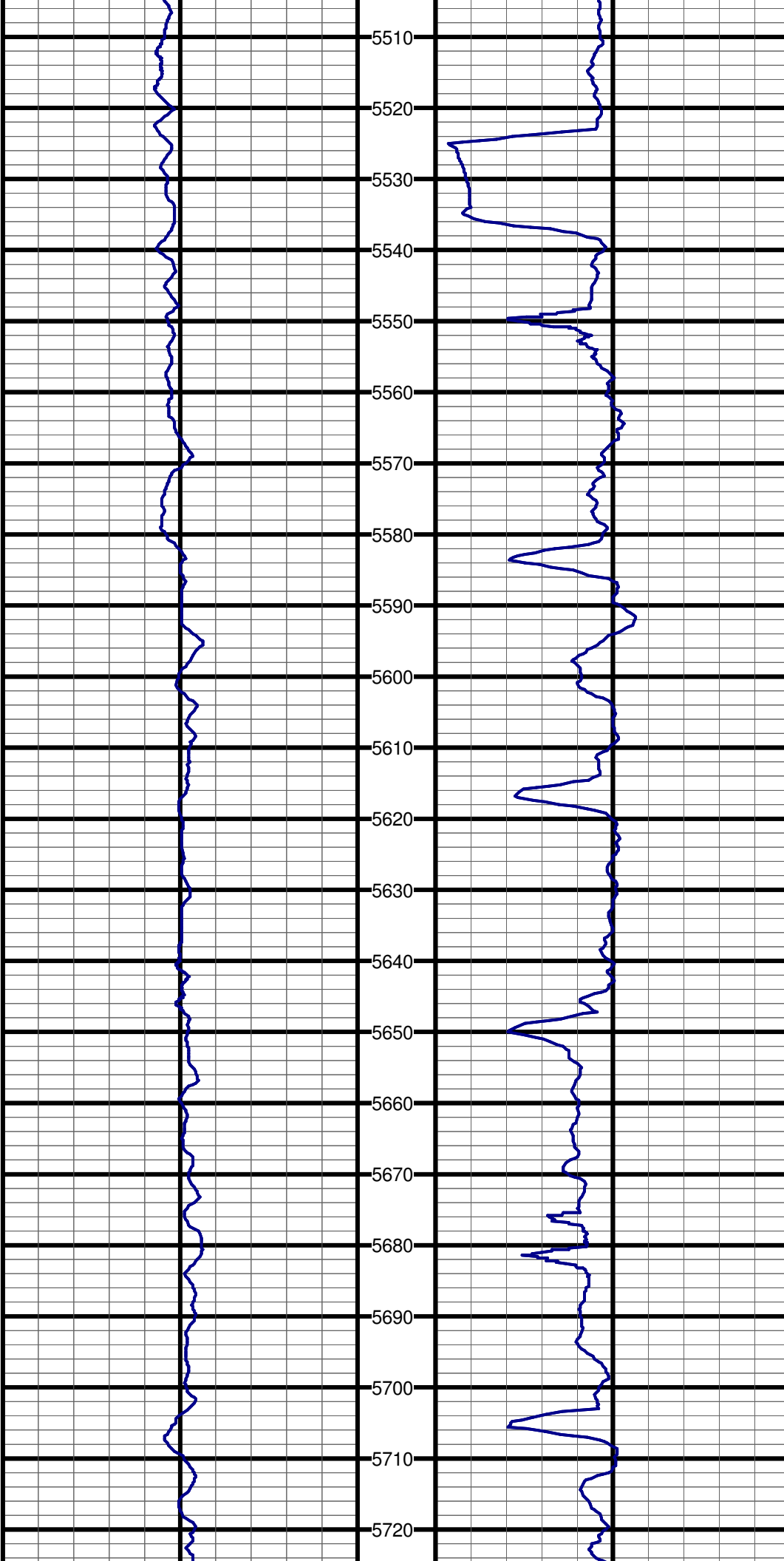
#3 MD:5181.0 TVD:5147.1 I:2.2 A:114.9 VS:-215.5

#4 MD:5276.0 TVD:5242.0 I:2.1 A:113.8 VS:-217.0



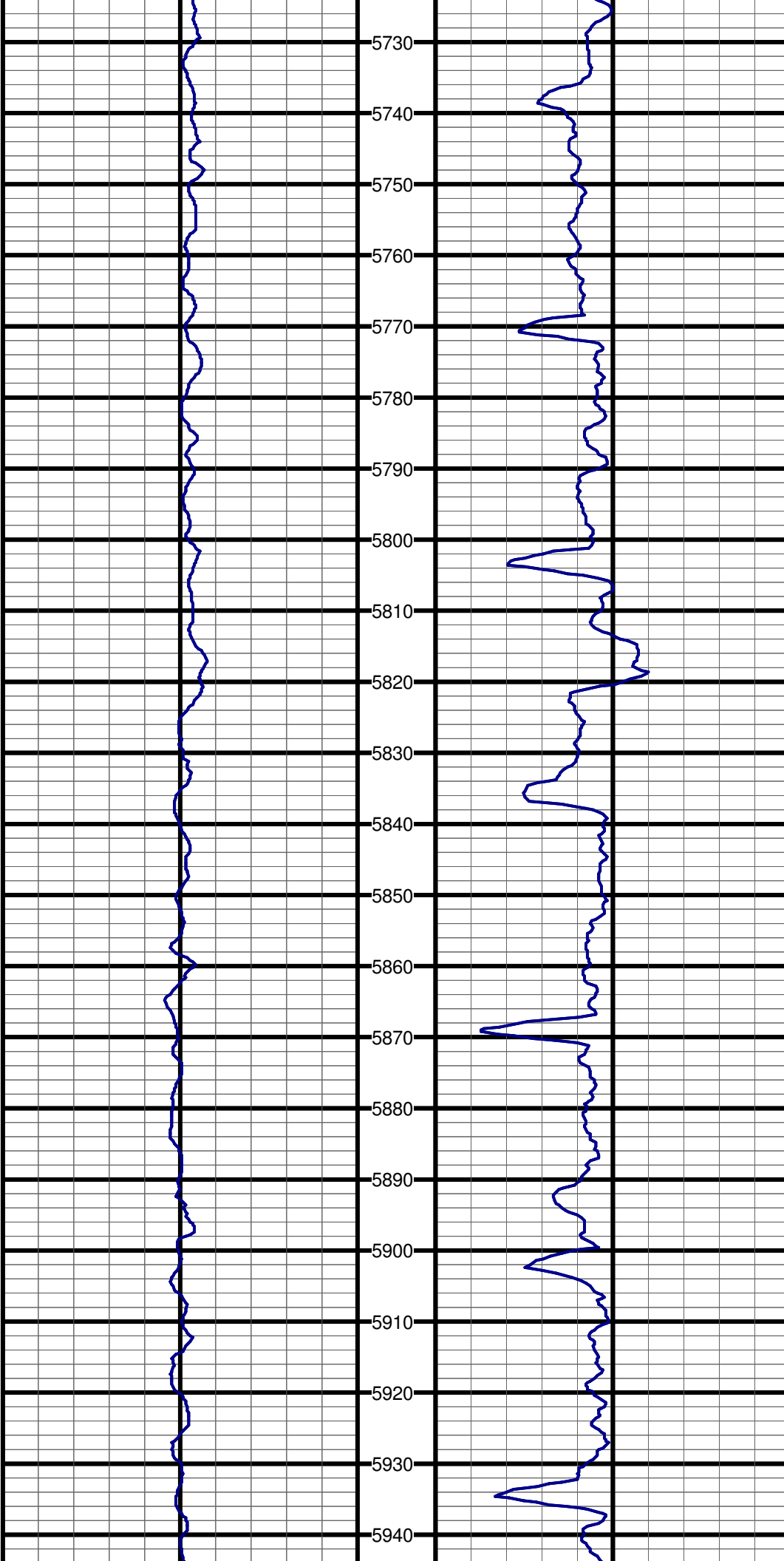
#5 MD:5371.0 TVD:5336.9 I:2.0 A:106.8 VS:-218.1

#6 MD:5466.0 TVD:5431.9 I:1.8 A:117.6 VS:-219.3



#7 MD:5561.0 TVD:5526.9 I:0.6 A:38.3 VS:-219.6

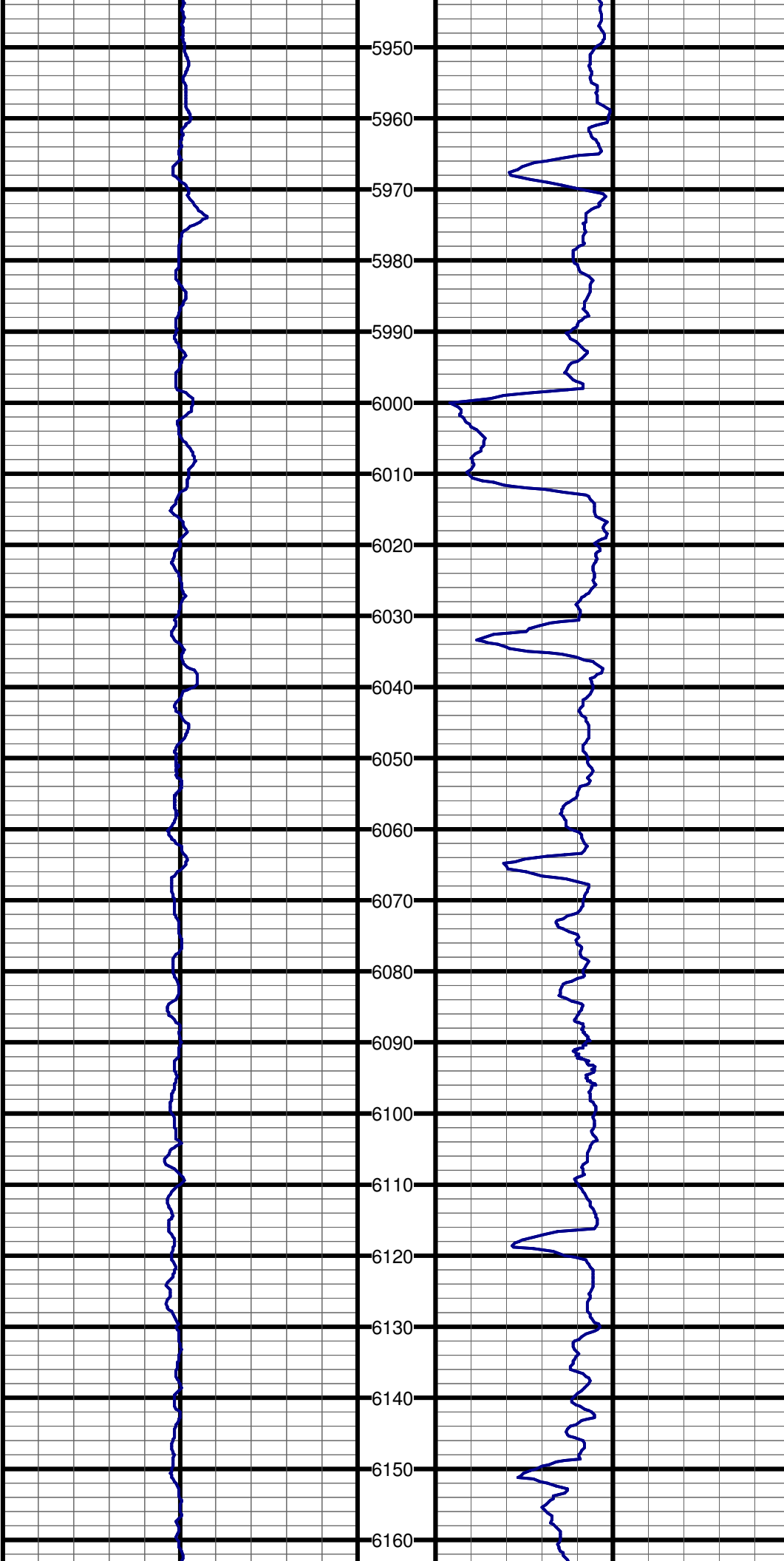
#8 MD:5657.0 TVD:5622.8 I:0.5 A:39.8 VS:-218.9



#9 MD:5752.0 TVD:5717.8 I:0.4 A:75.3 VS:-218.5

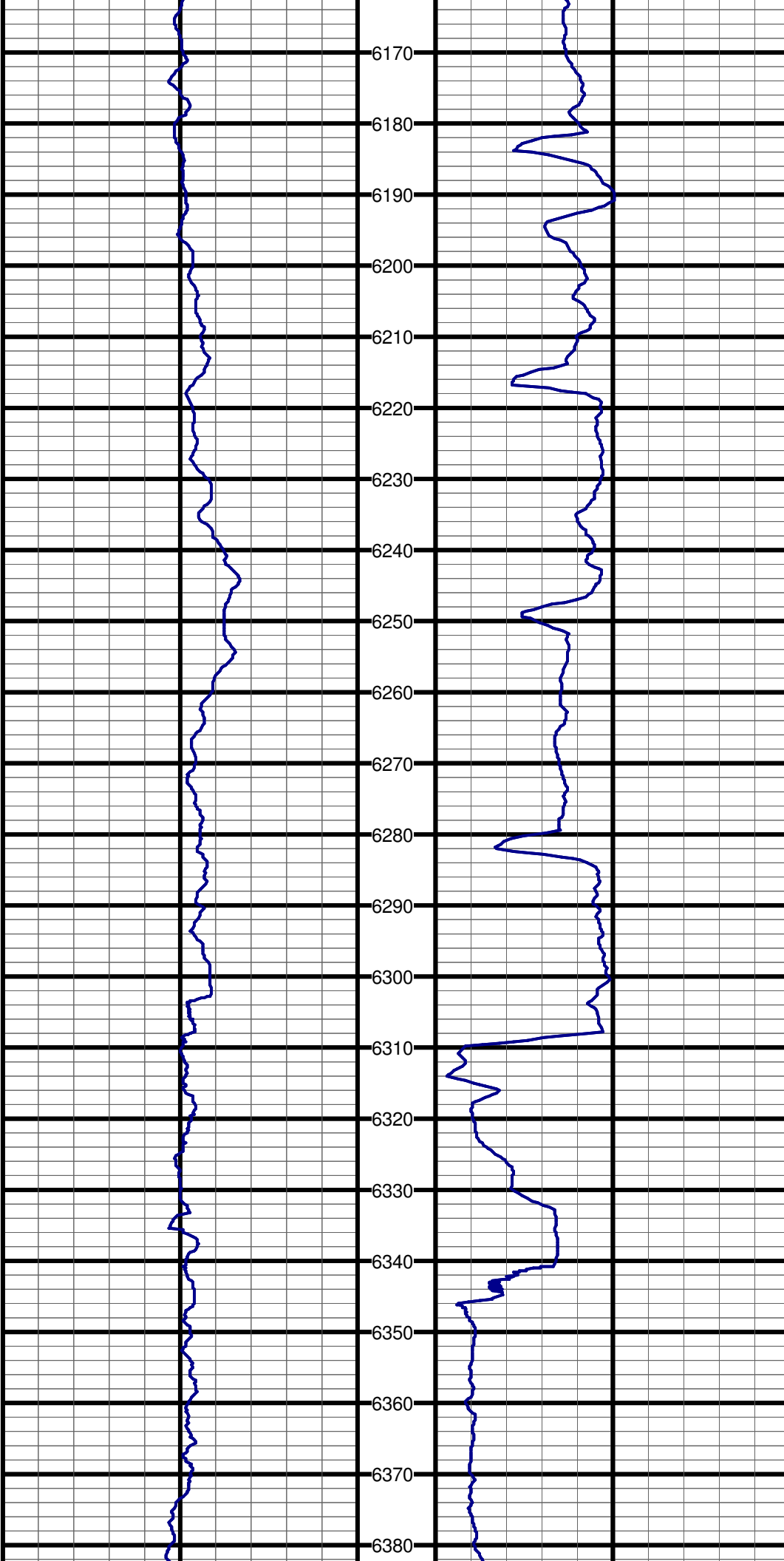
#10 MD:5847.0 TVD:5812.8 I:0.9 A:31.8 VS:-217.8

#11 MD:5942.0 TVD:5907.8 I:0.8 A:46.2 VS:-216.7



#12 MD:6037.0 TVD:6002.8 I:0.6 A:255.0 VS:-216.3

#13 MD:6132.0 TVD:6097.8 I:0.3 A:245.6 VS:-216.6

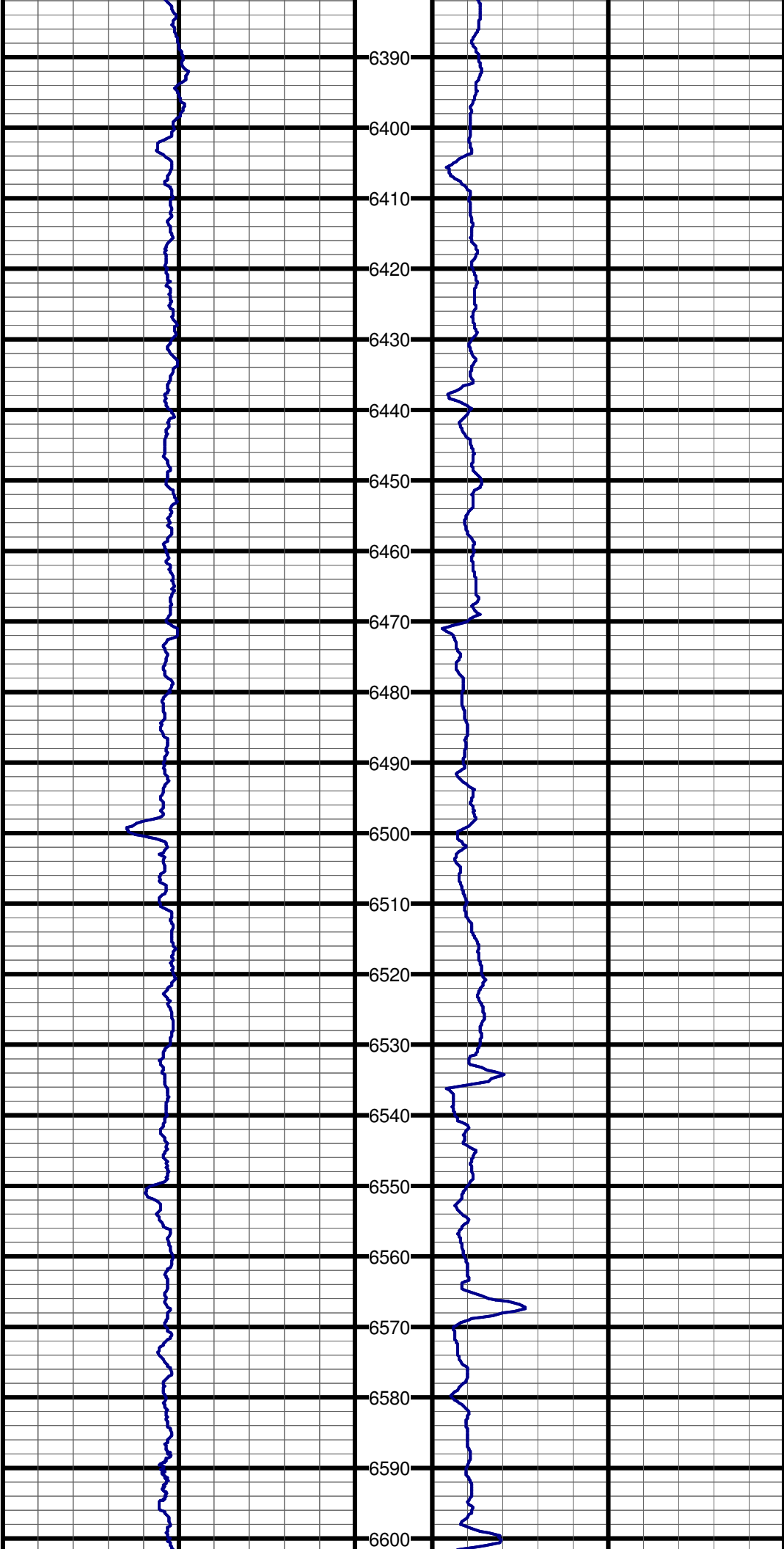


#14 MD:6227.0 TVD:6192.8 I:0.4 A:269.0 VS:-216.7

#15 MD:6290.0 TVD:6255.8 I:0.2 A:303.4 VS:-216.6

#16 MD:6322.0 TVD:6287.8 I:0.3 A:337.8 VS:-216.5

#17 MD:6354.0 TVD:6319.8 I:2.0 A:7.1 VS:-215.9



#18 MD:6385.0 TVD:6350.7 I:5.4 A:9.1 VS:-213.9

#19 MD:6417.0 TVD:6382.5 I:8.9 A:8.8 VS:-210.0

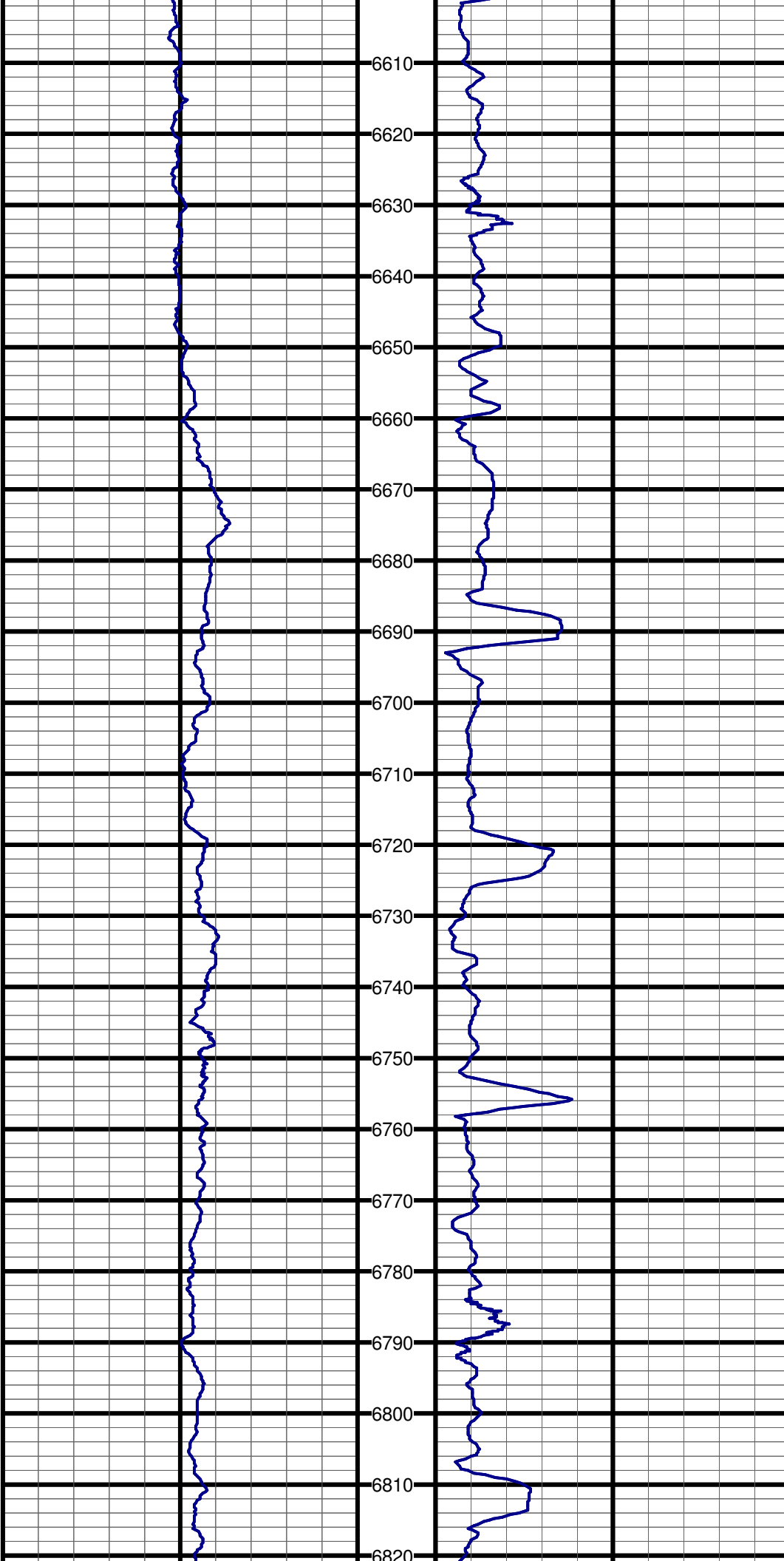
#20 MD:6449.0 TVD:6414.0 I:12.0 A:10.3 VS:-204.3

#21 MD:6480.0 TVD:6444.1 I:15.2 A:8.2 VS:-197.1

#22 MD:6512.0 TVD:6474.7 I:18.2 A:8.0 VS:-188.0

#23 MD:6544.0 TVD:6504.9 I:20.5 A:6.6 VS:-177.4

#24 MD:6575.0 TVD:6533.7 I:23.0 A:3.1 VS:-166.0



#25 MD:6607.0 TVD:6562.8 I:26.0 A:0.2 VS:-152.7

#26 MD:6639.0 TVD:6591.3 I:28.7 A:358.6 VS:-138.0

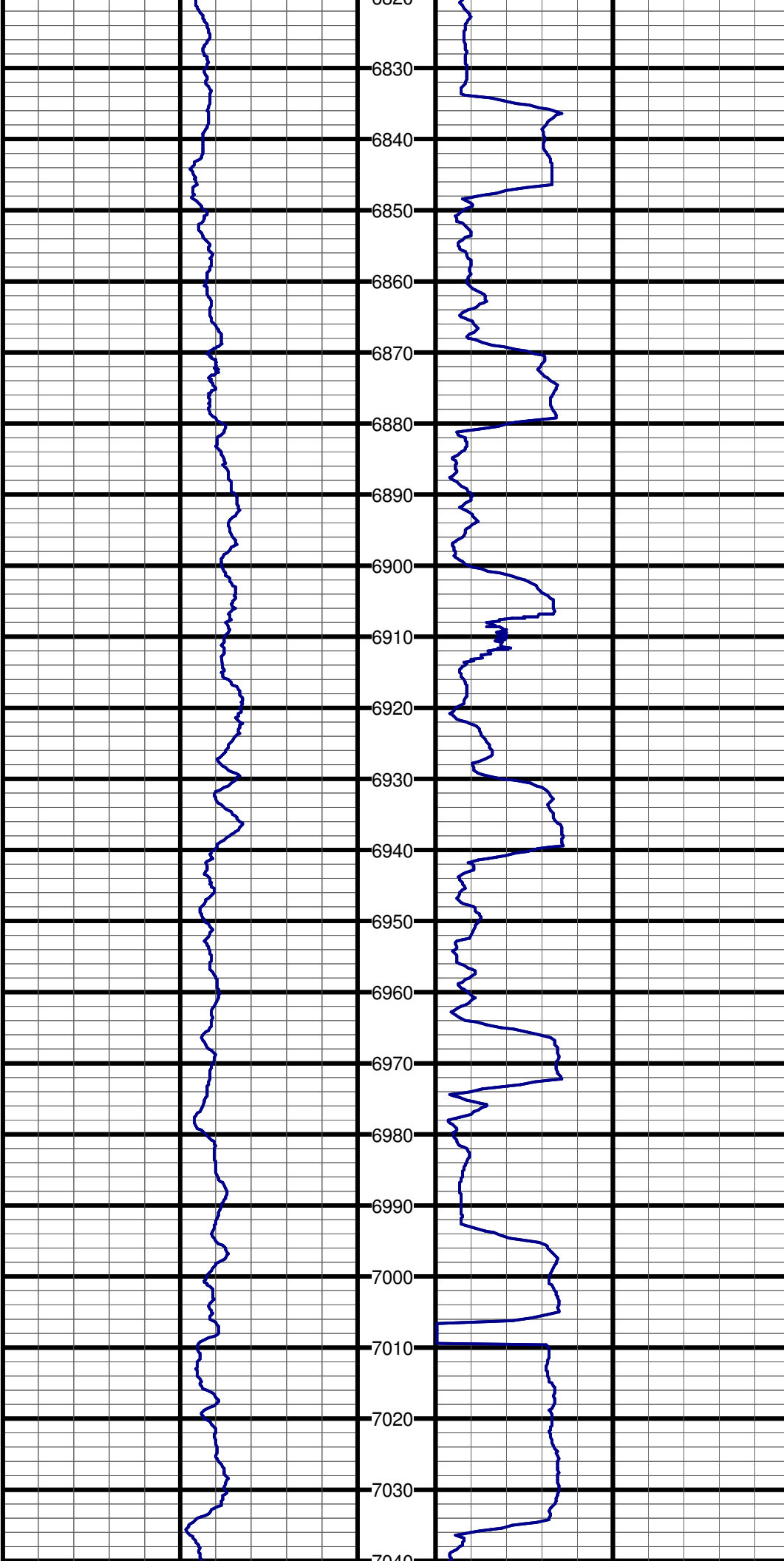
#27 MD:6670.0 TVD:6618.1 I:31.0 A:0.7 VS:-122.6

#28 MD:6702.0 TVD:6645.2 I:33.5 A:1.3 VS:-105.5

#29 MD:6734.0 TVD:6671.6 I:35.5 A:359.6 VS:-87.4

#30 MD:6765.0 TVD:6696.4 I:38.2 A:359.3 VS:-68.8

#31 MD:6797.0 TVD:6721.0 I:41.1 A:359.1 VS:-48.4



#32 MD:6829.0 TVD:6744.7 I:43.6 A:359.5 VS:-26.9

#33 MD:6860.0 TVD:6766.9 I:44.8 A:2.0 VS:-5.3

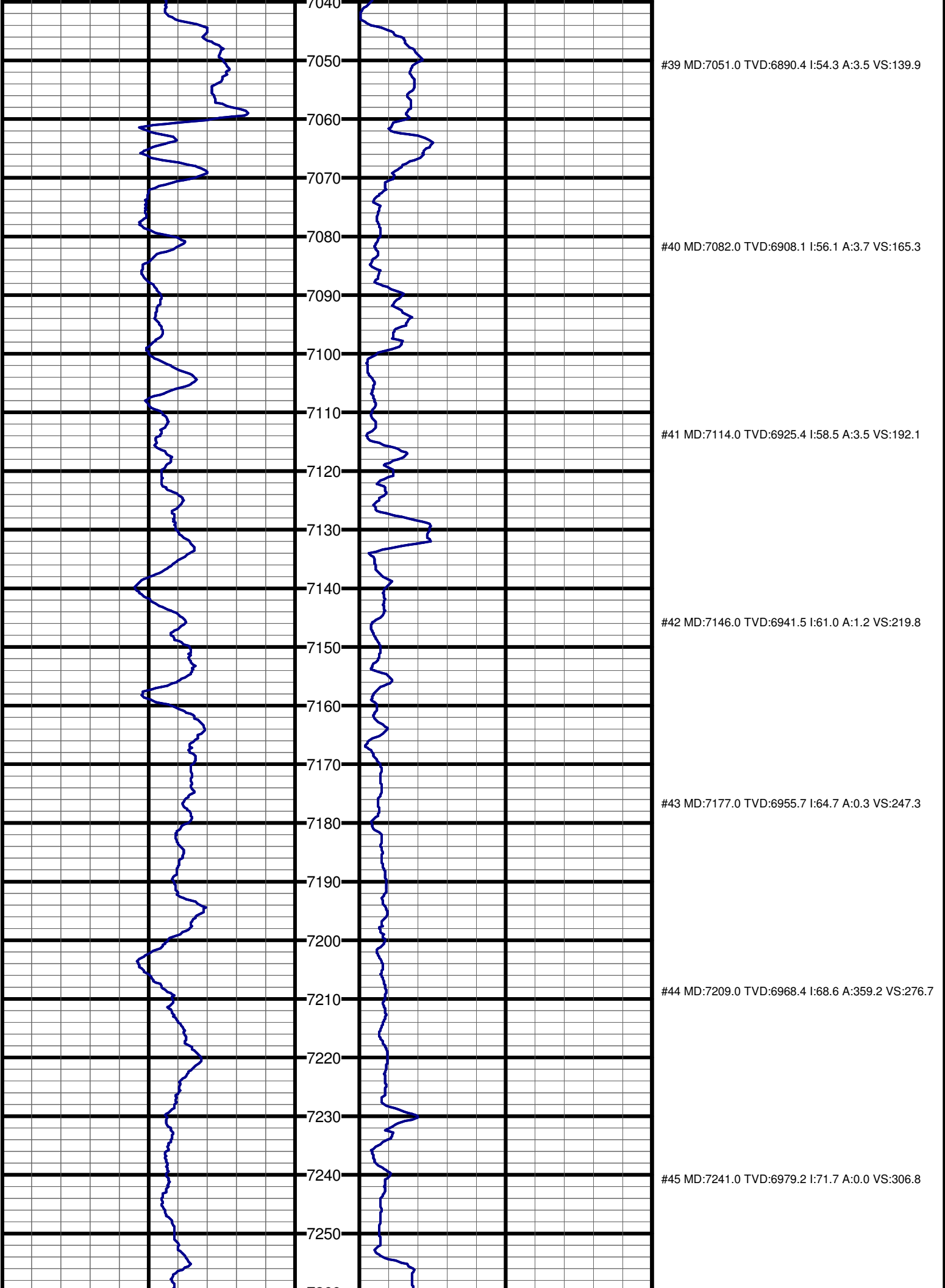
#34 MD:6892.0 TVD:6789.4 I:46.0 A:2.0 VS:17.5

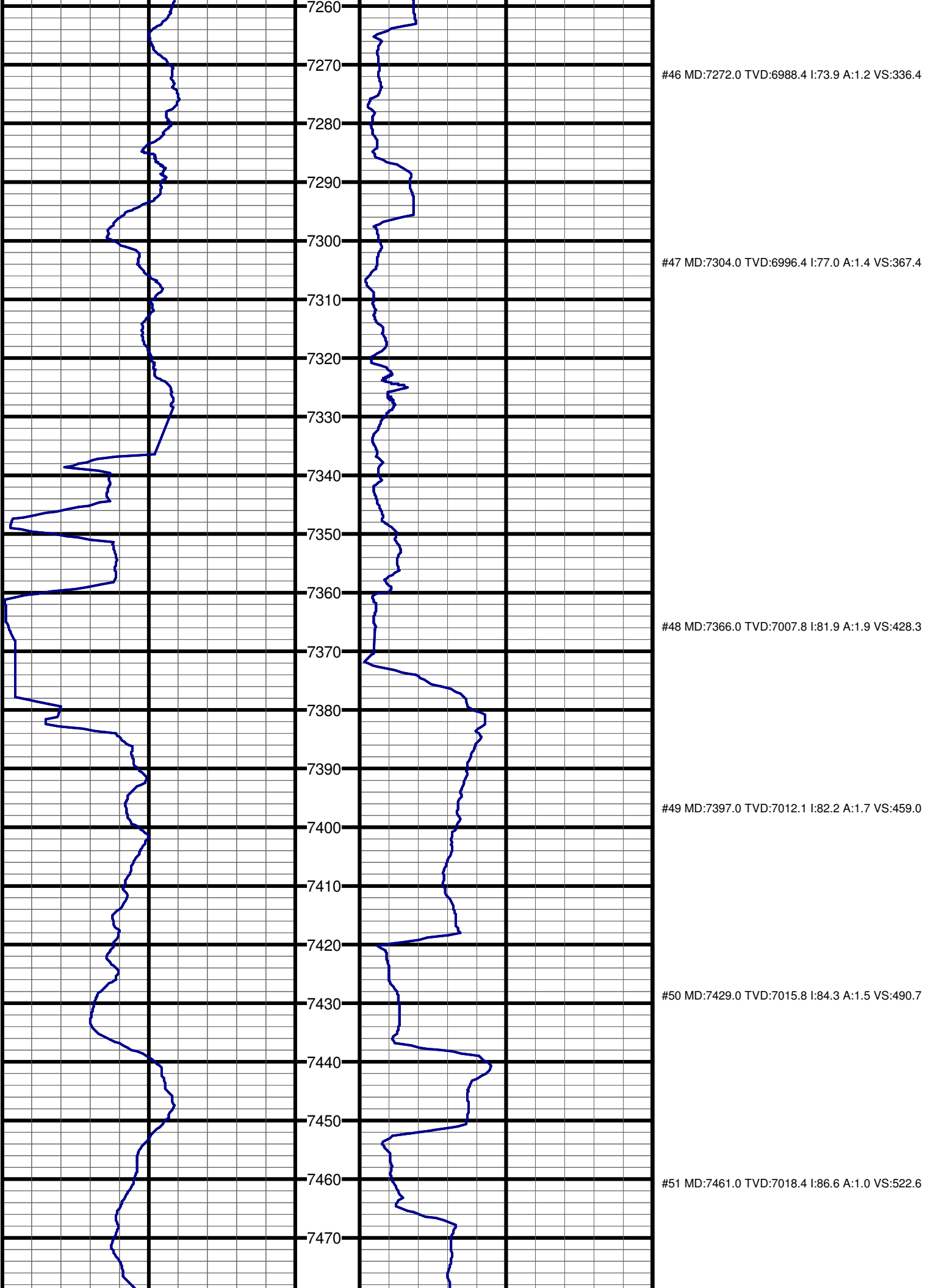
#35 MD:6924.0 TVD:6811.2 I:47.8 A:2.6 VS:40.9

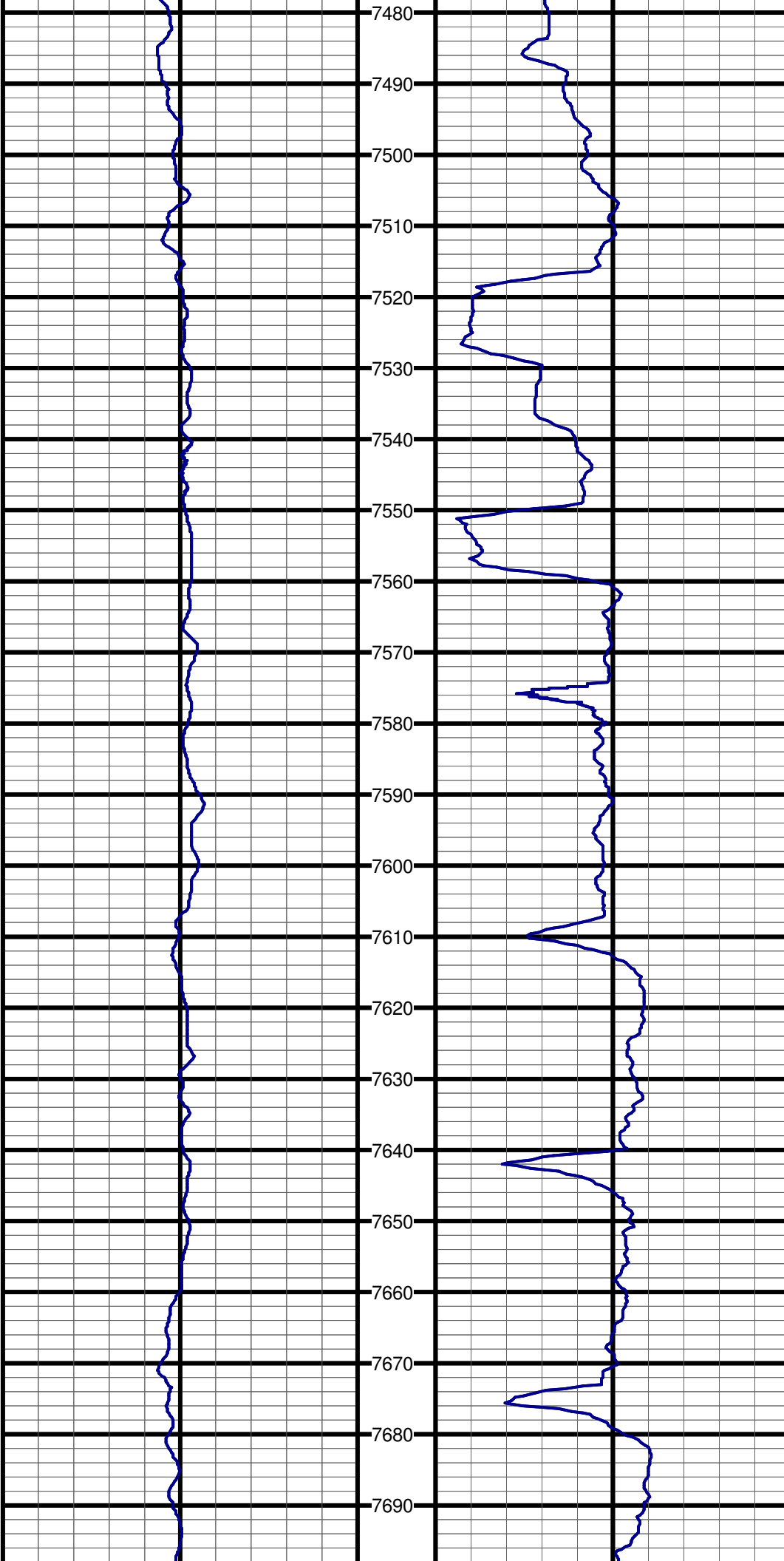
#36 MD:6955.0 TVD:6831.6 I:49.9 A:3.6 VS:64.2

#37 MD:6987.0 TVD:6851.8 I:52.0 A:3.4 VS:89.0

#38 MD:7019.0 TVD:6871.4 I:52.5 A:3.5 VS:114.2







#52 MD:7492.0 TVD:7020.1 I:86.9 A:1.6 VS:553.6

#53 MD:7524.0 TVD:7021.5 I:88.3 A:1.5 VS:585.5

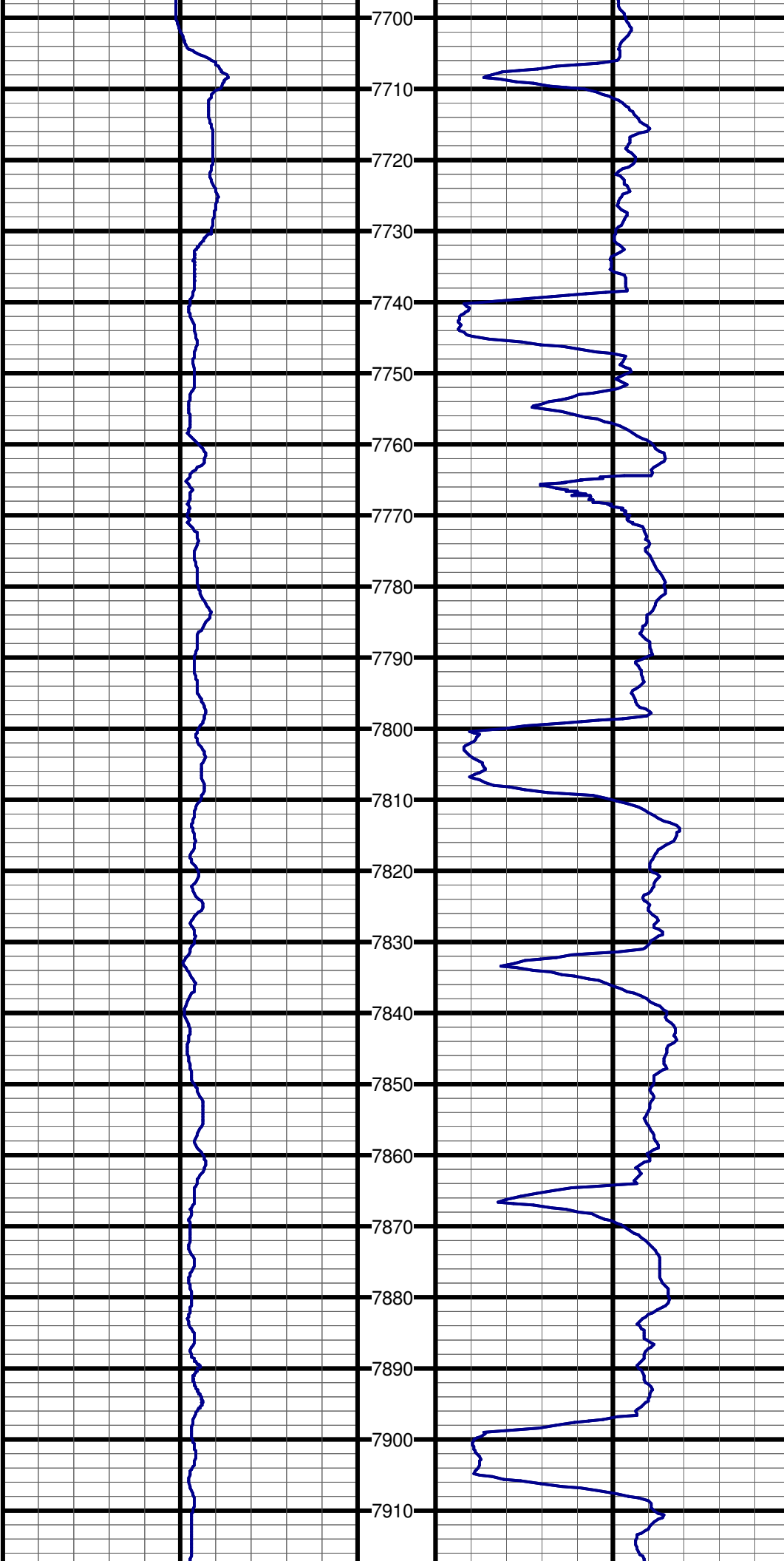
#54 MD:7556.0 TVD:7022.2 I:89.1 A:0.8 VS:617.5

#55 MD:7587.0 TVD:7022.6 I:89.3 A:0.1 VS:648.5

#56 MD:7619.0 TVD:7022.9 I:89.8 A:0.3 VS:680.5

#57 MD:7651.0 TVD:7022.9 I:90.2 A:0.4 VS:712.5

#58 MD:7682.0 TVD:7022.7 I:90.6 A:359.9 VS:743.5



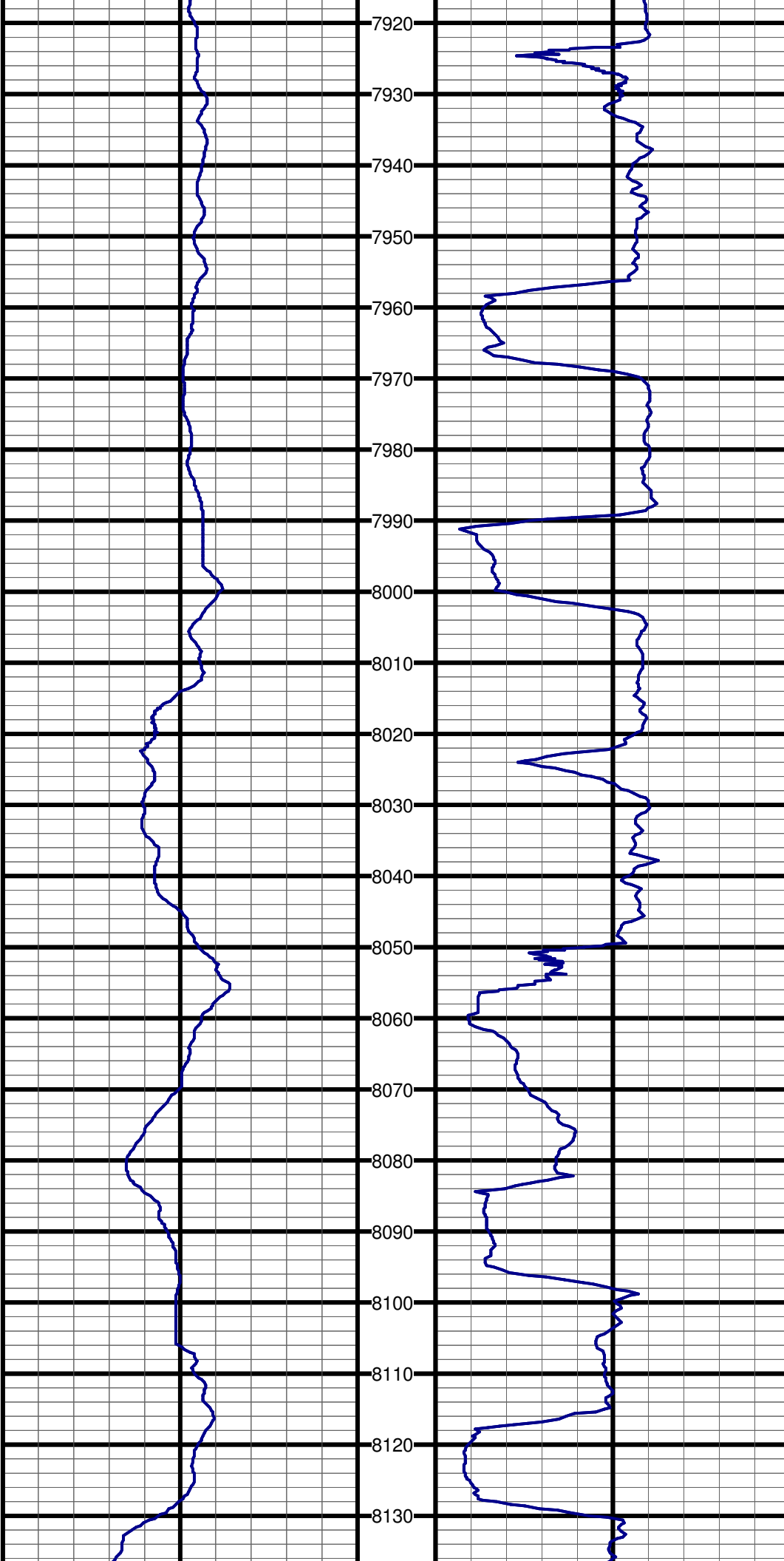
#59 MD:7746.0 TVD:7022.2 I:90.2 A:358.9 VS:807.5

#60 MD:7809.0 TVD:7022.4 I:89.5 A:359.6 VS:870.5

#61 MD:7841.0 TVD:7022.7 I:89.5 A:358.9 VS:902.5

#62 MD:7873.0 TVD:7022.9 I:89.6 A:357.8 VS:934.5

#63 MD:7904.0 TVD:7023.2 I:89.3 A:357.4 VS:965.4



#64 MD:7936.0 TVD:7023.6 I:89.3 A:357.0 VS:997.4

#65 MD:7968.0 TVD:7024.3 I:88.3 A:358.0 VS:1029.4

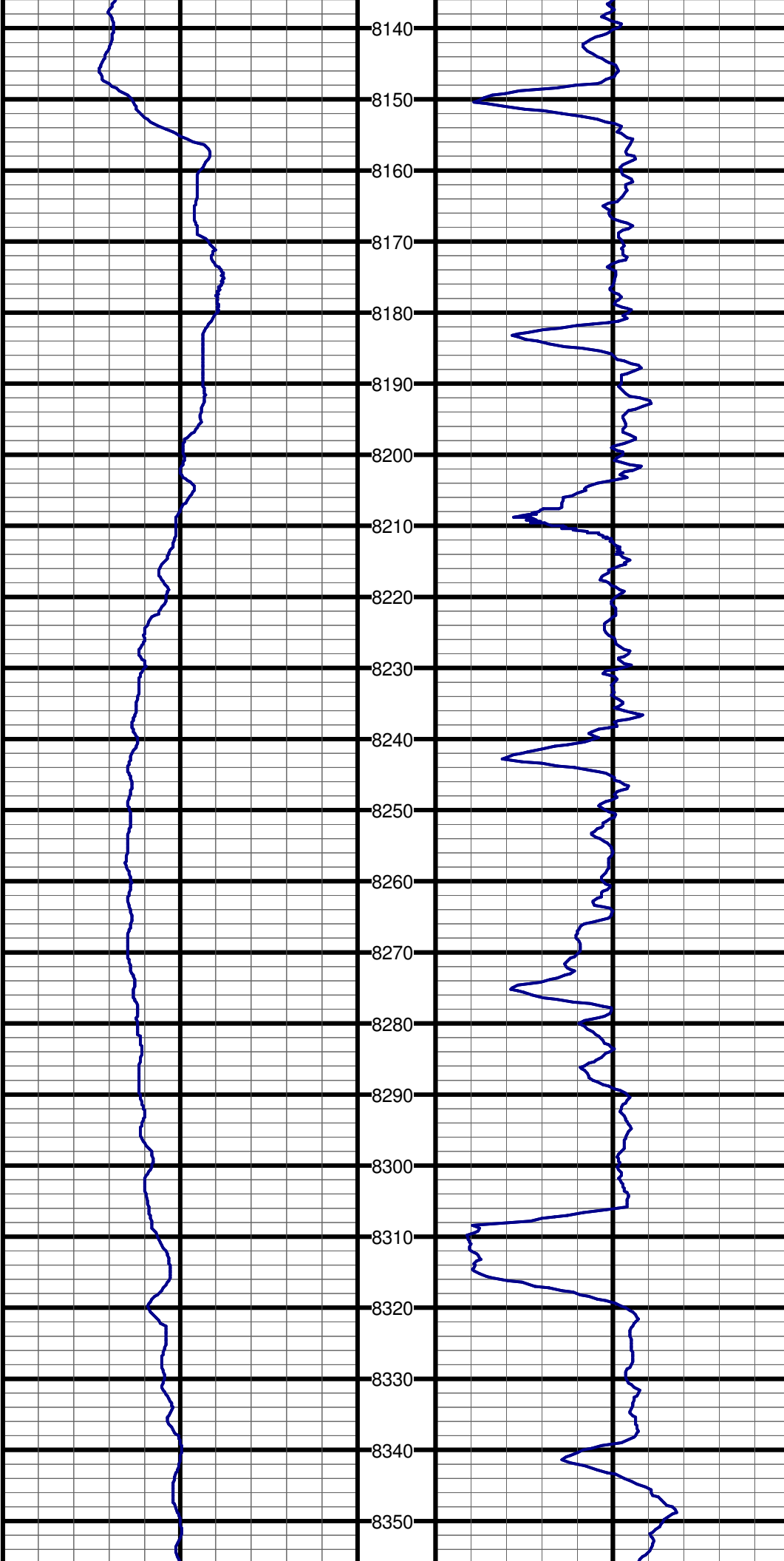
#66 MD:7999.0 TVD:7025.5 I:87.2 A:358.7 VS:1060.3

#67 MD:8031.0 TVD:7027.1 I:86.9 A:359.2 VS:1092.3

#68 MD:8062.0 TVD:7028.6 I:87.7 A:359.4 VS:1123.2

#69 MD:8094.0 TVD:7029.7 I:88.5 A:0.6 VS:1155.2

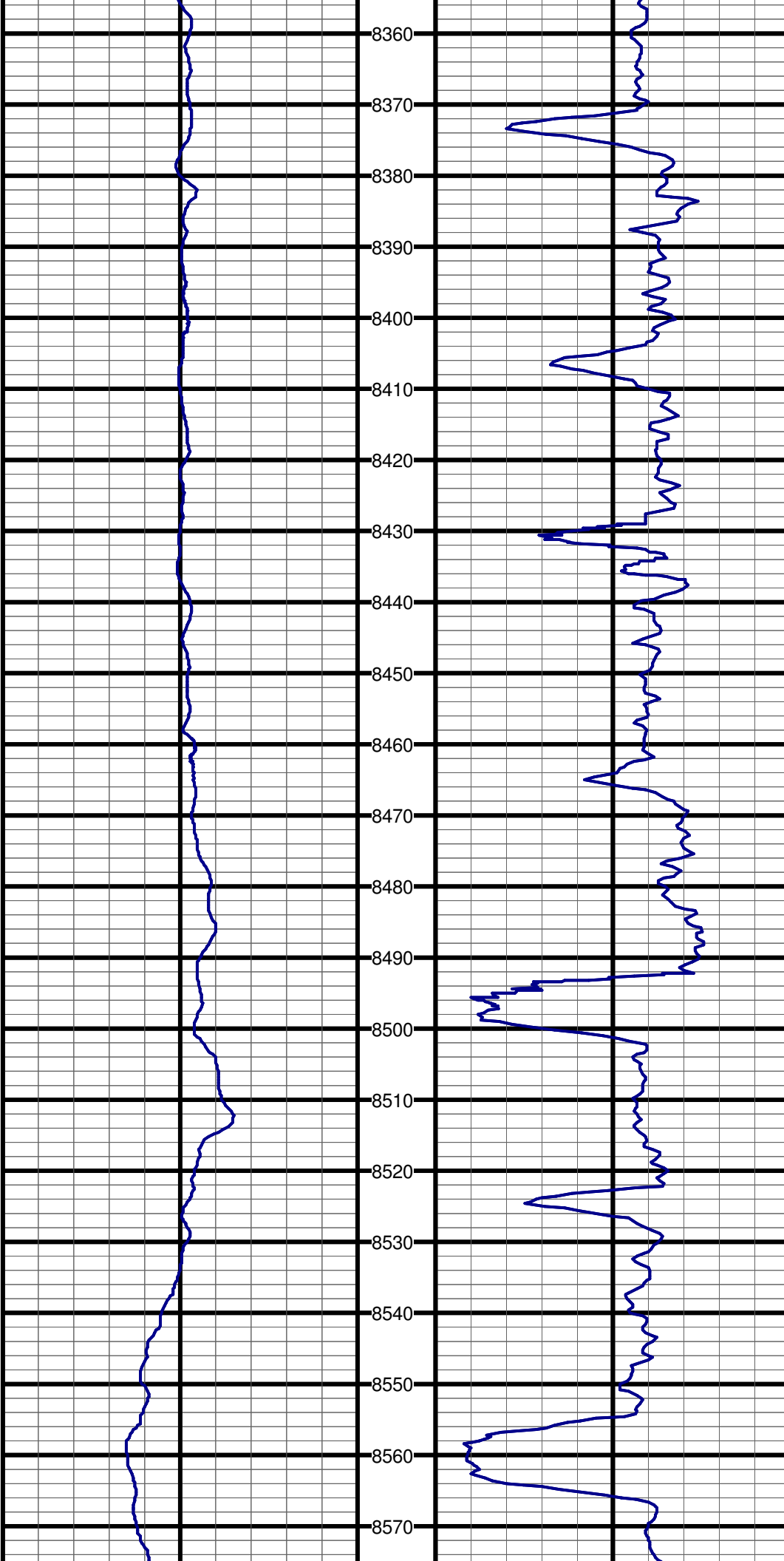
#70 MD:8126.0 TVD:7030.2 I:89.7 A:1.0 VS:1187.2



#71 MD:8189.0 TVD:7030.3 I:90.1 A:0.0 VS:1250.2

#72 MD:8252.0 TVD:7029.9 I:90.6 A:359.5 VS:1313.2

#73 MD:8315.0 TVD:7029.7 I:89.8 A:357.8 VS:1376.2

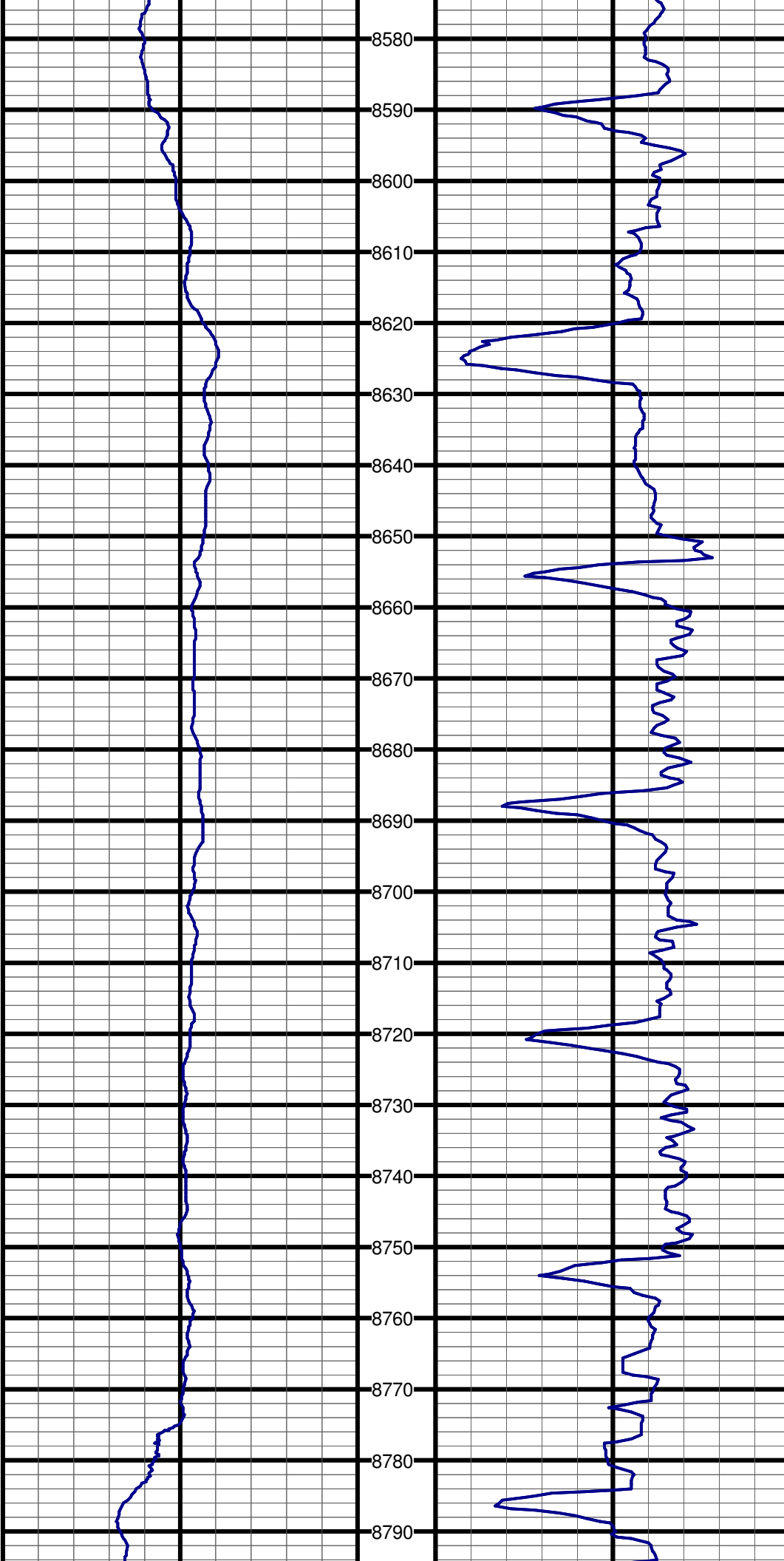


#74 MD:8379.0 TVD:7029.8 I:89.9 A:357.8 VS:1440.1

#75 MD:8442.0 TVD:7029.7 I:90.4 A:357.7 VS:1503.1

#76 MD:8505.0 TVD:7029.2 I:90.5 A:358.0 VS:1566.0

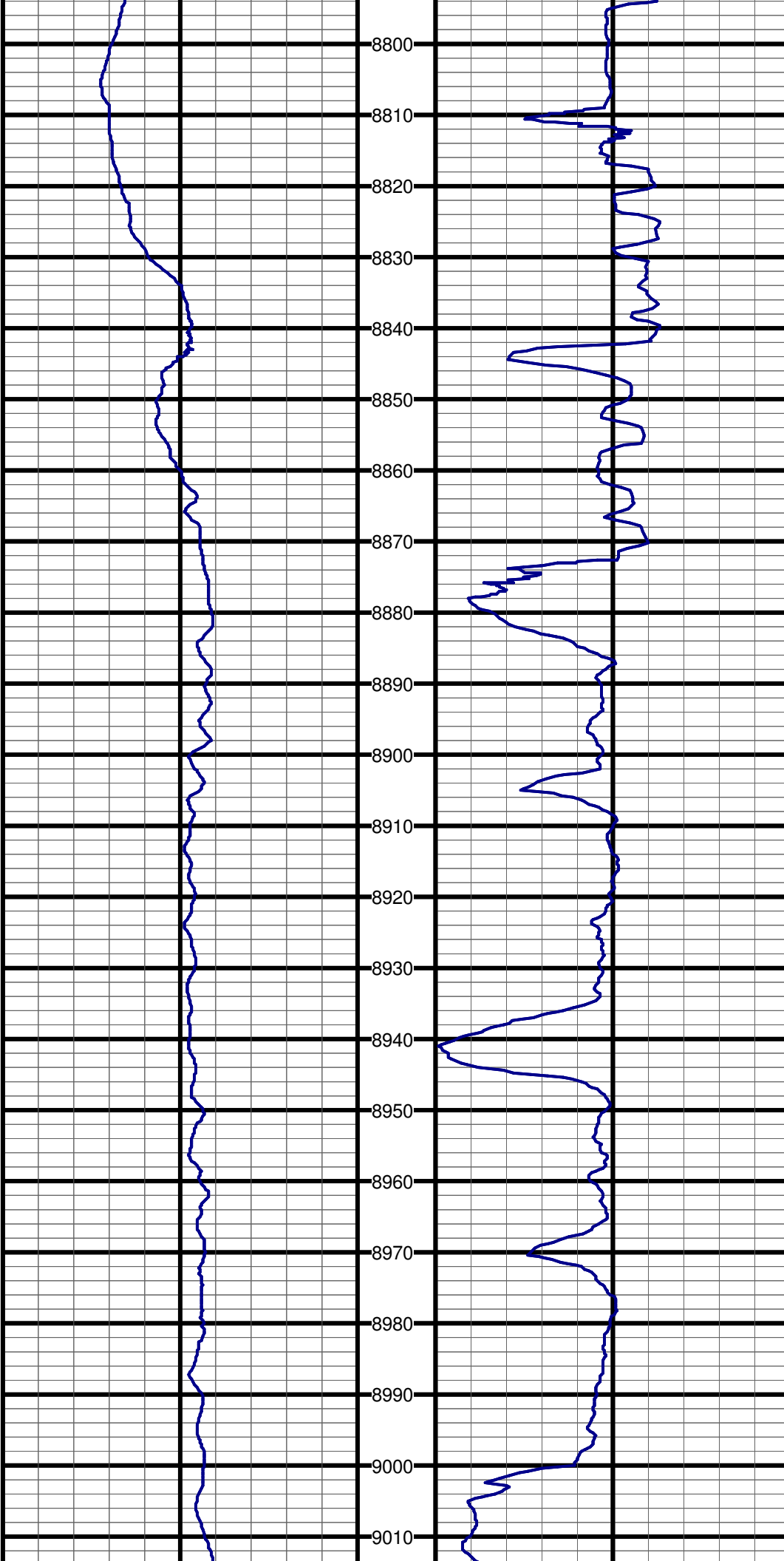
#77 MD:8569.0 TVD:7028.6 I:90.5 A:359.4 VS:1630.0



#78 MD:8632.0 TVD:7028.8 I:89.1 A:358.0 VS:1693.0

#79 MD:8695.0 TVD:7029.6 I:89.5 A:357.3 VS:1755.9

#80 MD:8759.0 TVD:7030.0 I:89.8 A:358.1 VS:1819.9

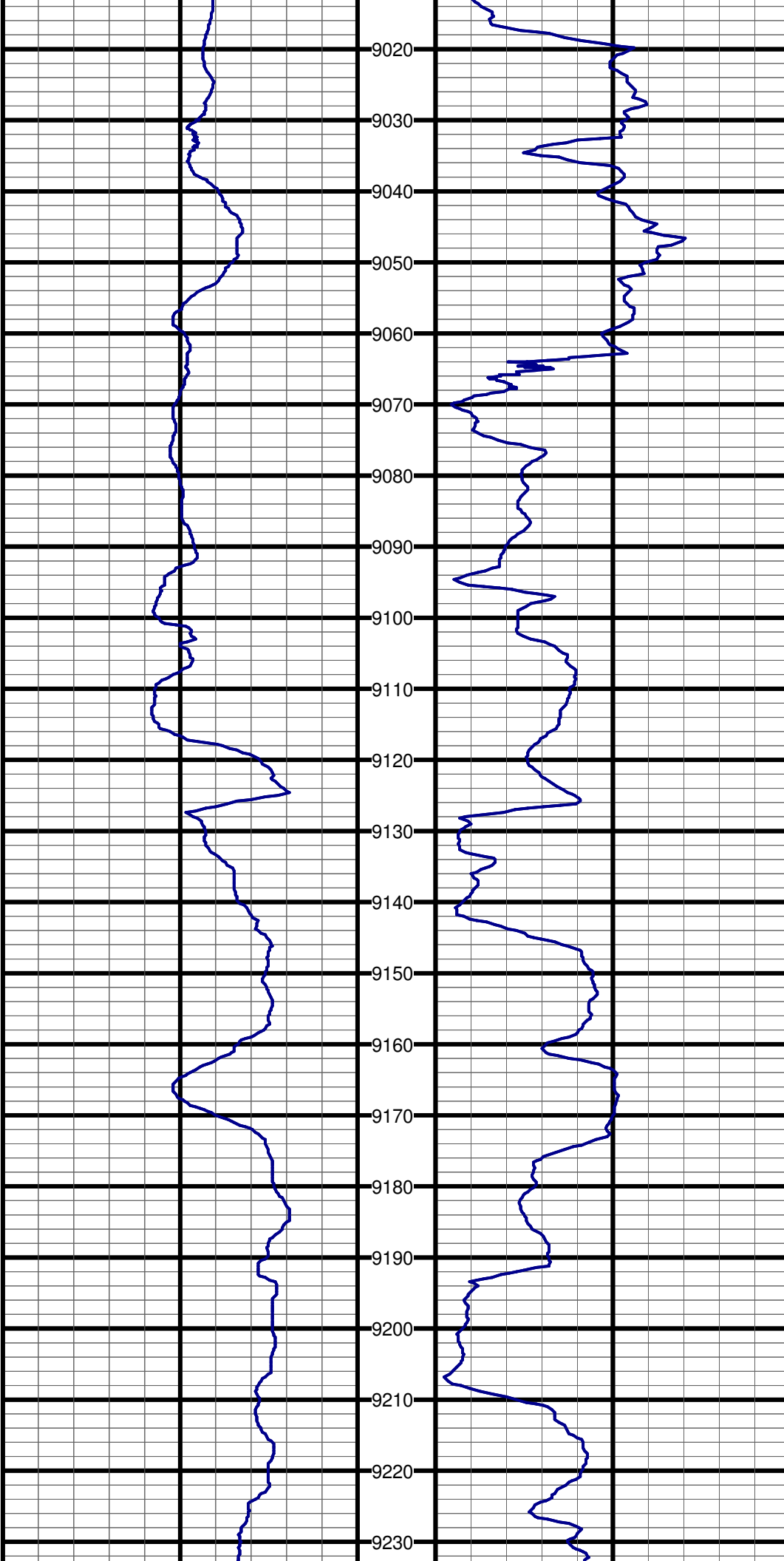


#81 MD:8822.0 TVD:7030.0 I:90.2 A:357.4 VS:1882.8

#82 MD:8886.0 TVD:7029.8 I:90.1 A:357.9 VS:1946.8

#83 MD:8949.0 TVD:7029.7 I:90.2 A:357.3 VS:2009.7

#84 MD:9013.0 TVD:7029.5 I:90.1 A:358.7 VS:2073.7

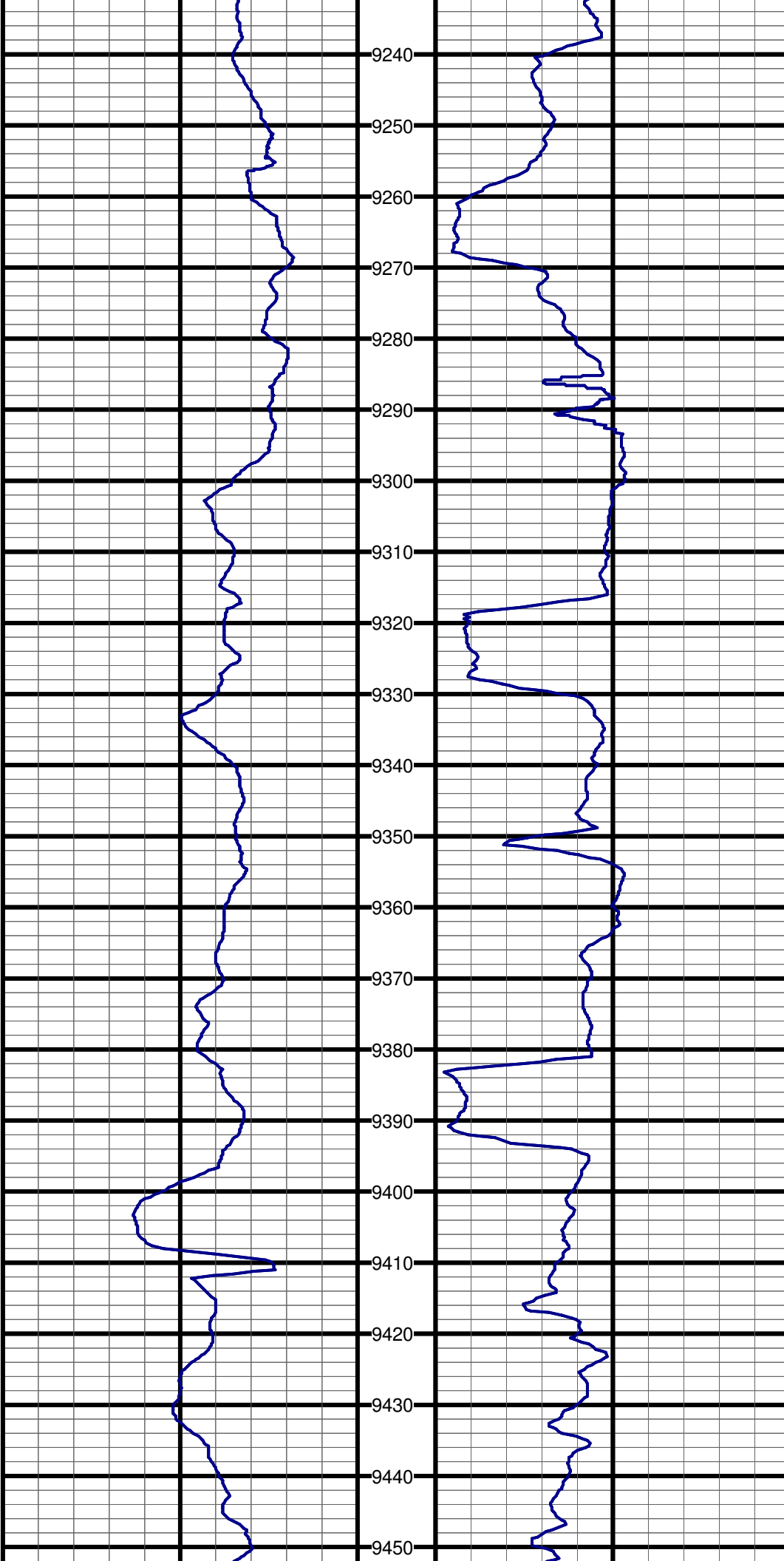


#84 MD:9015.0 TVD:7020.0 I:89.1 A:0.0 VS:2136.7

#85 MD:9076.0 TVD:7029.7 I:89.5 A:0.0 VS:2136.7

#86 MD:9139.0 TVD:7030.5 I:89.1 A:0.0 VS:2199.7

#87 MD:9203.0 TVD:7031.0 I:90.0 A:1.3 VS:2263.7

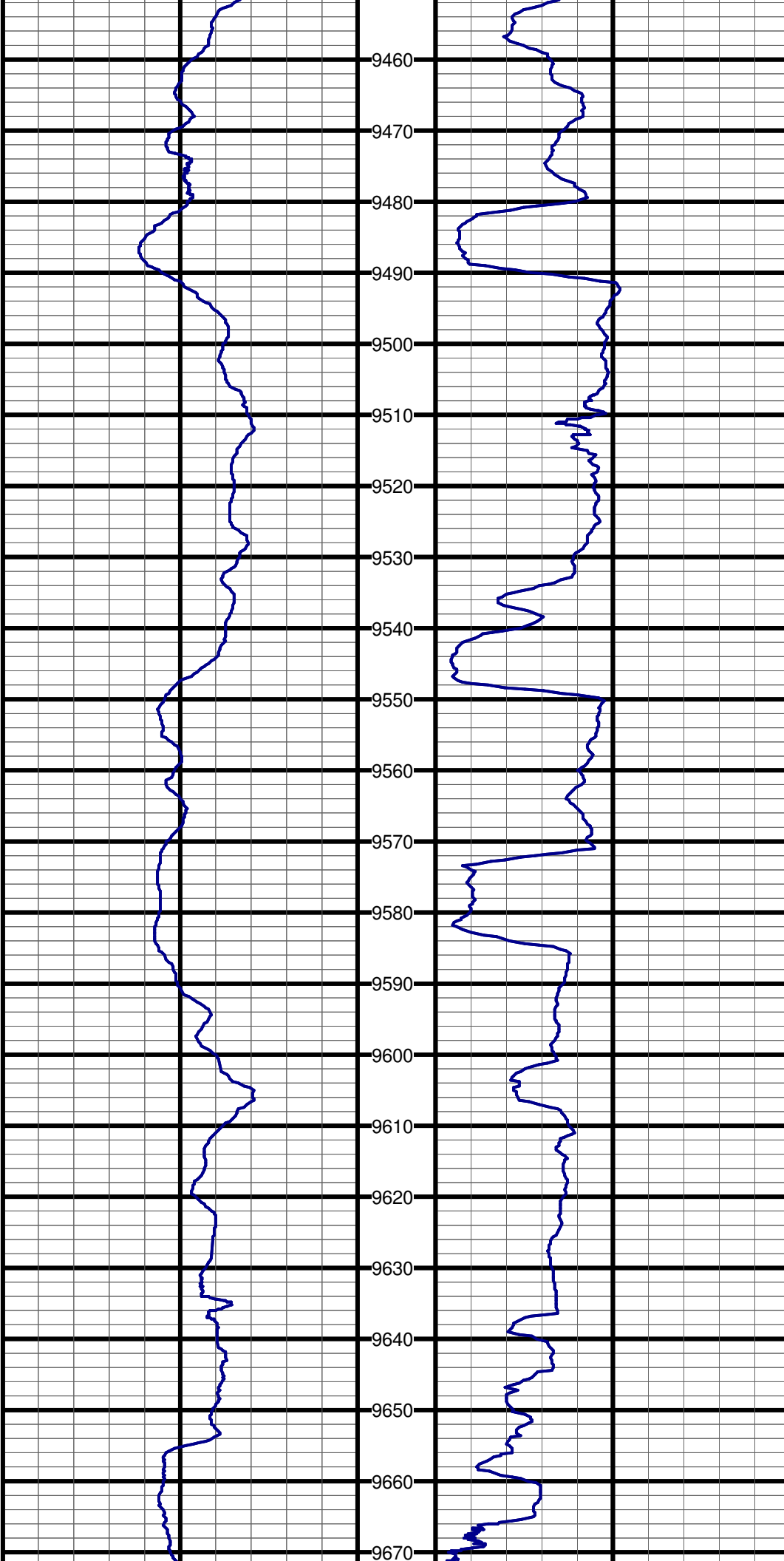


#88 MD:9266.0 TVD:7029.4 I:92.9 A:1.5 VS:2326.6

#89 MD:9330.0 TVD:7026.5 I:92.2 A:1.6 VS:2390.5

#90 MD:9393.0 TVD:7025.3 I:90.1 A:1.0 VS:2453.5

#91 MD:9425.0 TVD:7025.4 I:89.5 A:359.8 VS:2485.5



#92 MD:9456.0 TVD:7025.7 I:89.3 A:358.5 VS:2516.5

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#93 MD:9488.0 TVD:7026.1 I:89.2 A:359.1 VS:2548.5

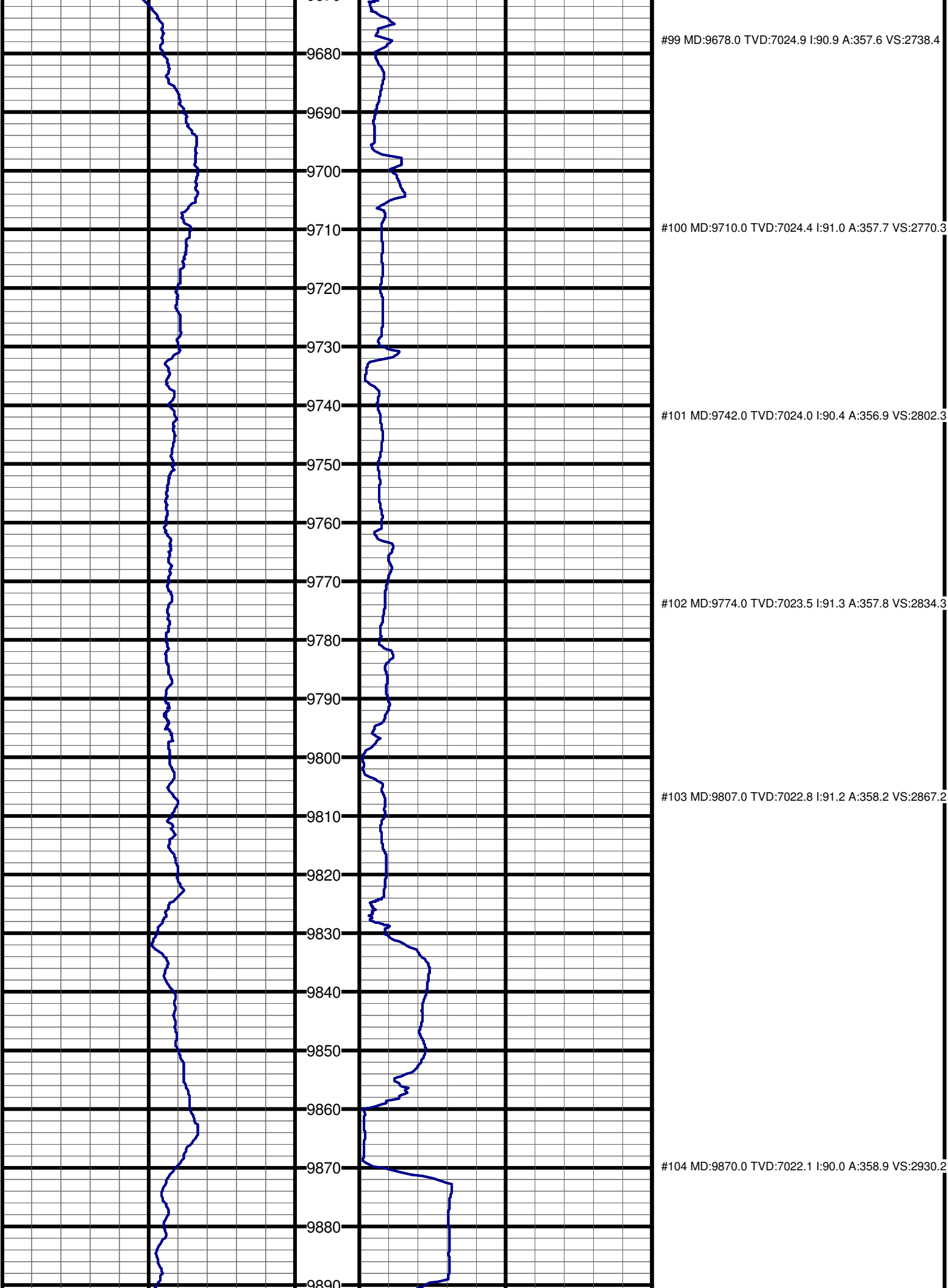
#94 MD:9520.0 TVD:7026.7 I:88.8 A:358.5 VS:2580.5

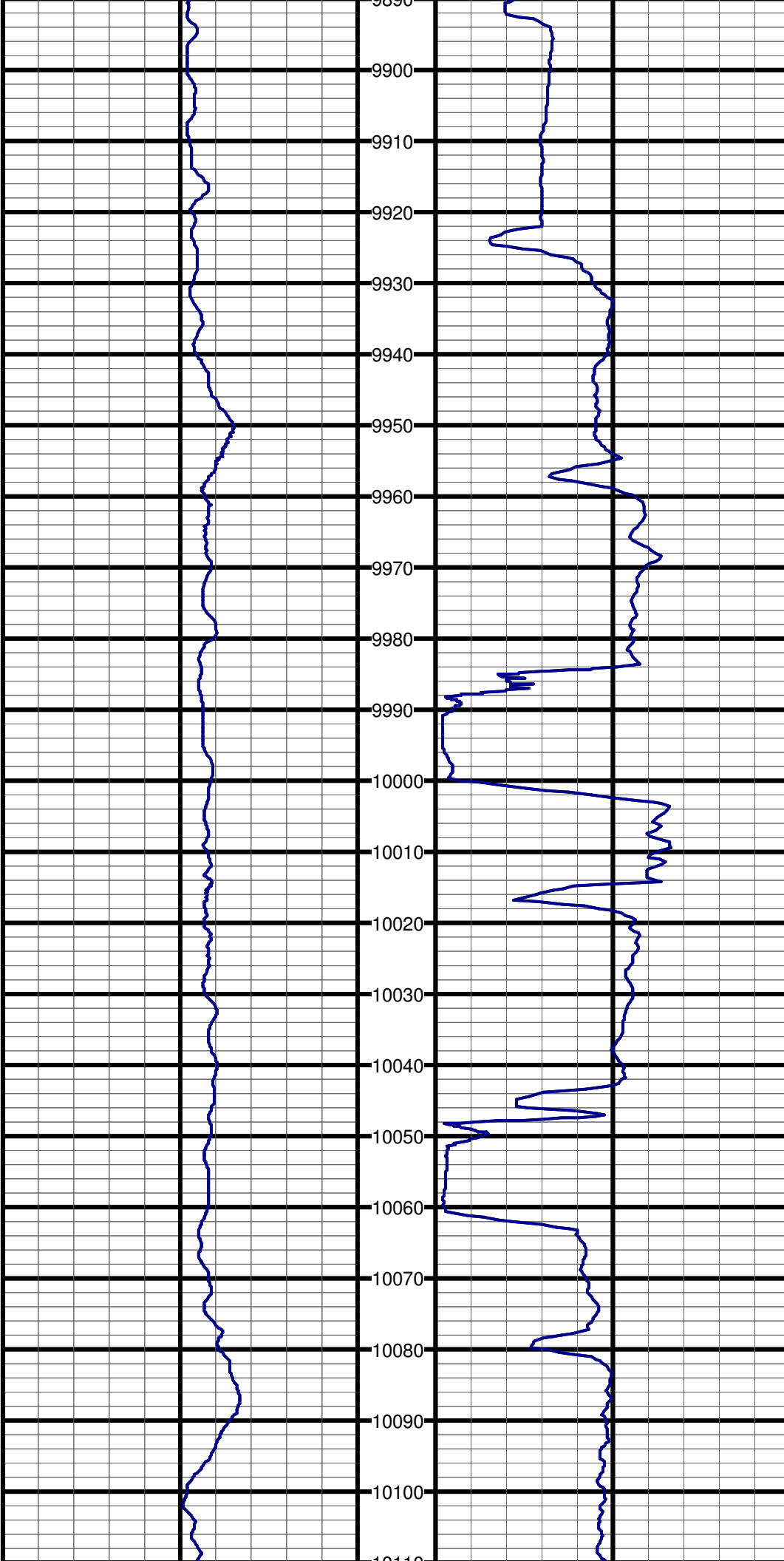
#95 MD:9552.0 TVD:7027.1 I:89.6 A:358.5 VS:2612.5

#96 MD:9583.0 TVD:7027.0 I:90.9 A:358.5 VS:2643.5

#97 MD:9615.0 TVD:7026.4 I:91.3 A:358.4 VS:2675.4

#98 MD:9647.0 TVD:7025.6 I:91.6 A:358.0 VS:2707.4

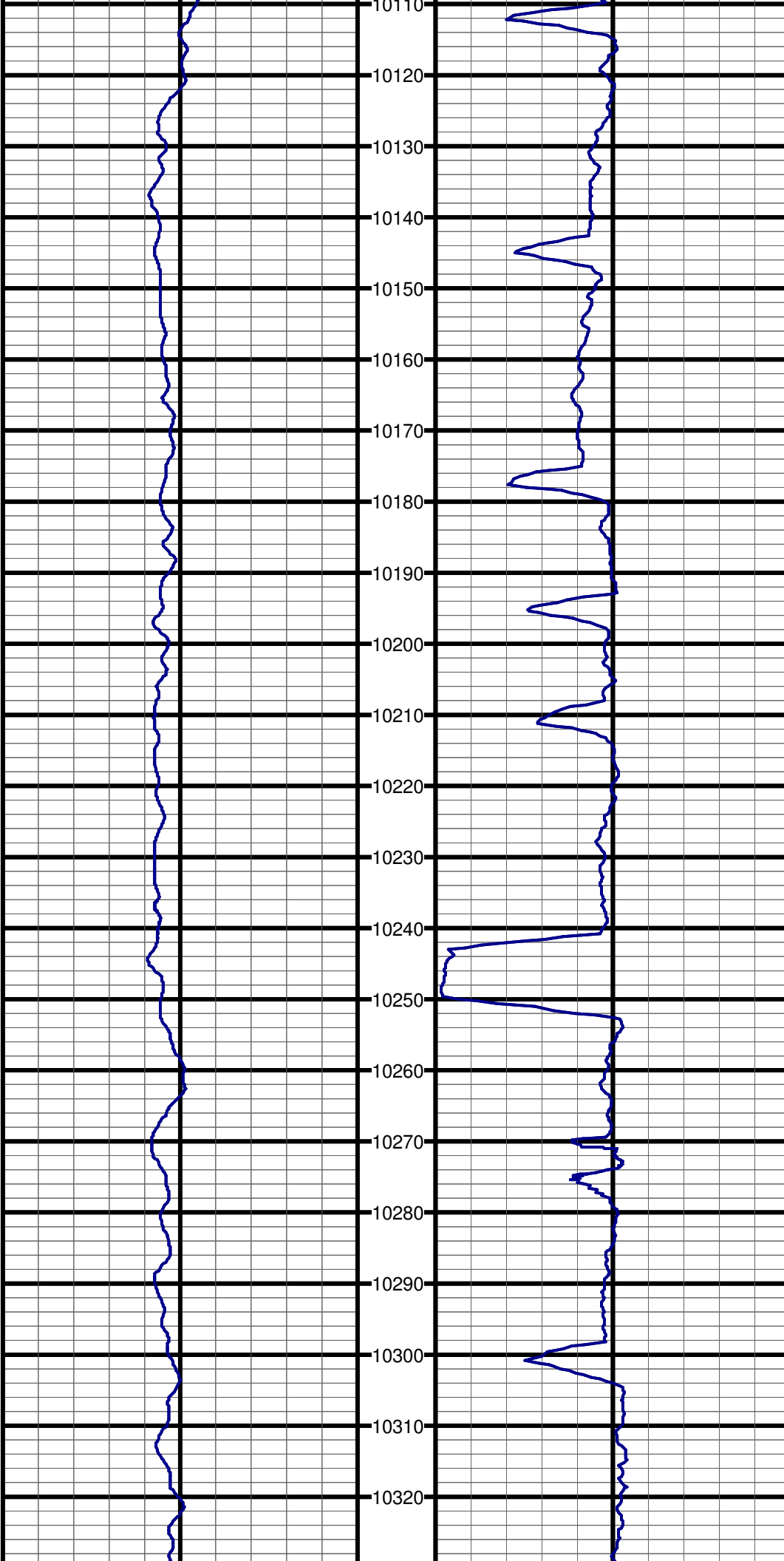




#105 MD:9934.0 TVD:7021.2 I:91.6 A:358.5 VS:2994.2

#106 MD:9997.0 TVD:7020.5 I:89.7 A:358.1 VS:3057.2

#107 MD:10060.0 TVD:7021.1 I:89.3 A:359.7 VS:3120.1

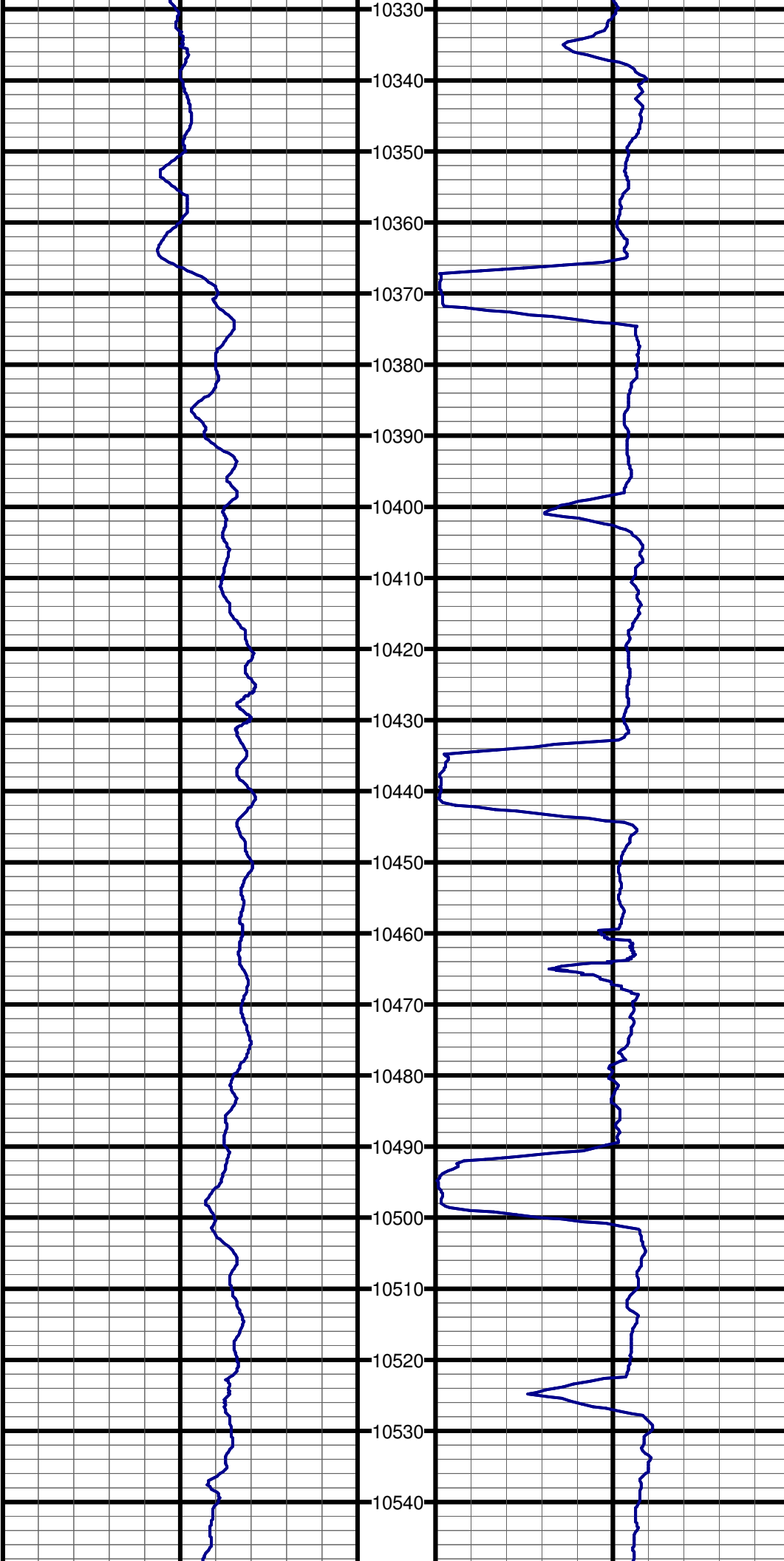


#108 MD:10124.0 TVD:7021.9 I:89.3 A:359.6 VS:3184.1

#109 MD:10187.0 TVD:7022.2 I:90.1 A:359.3 VS:3247.1

#110 MD:10251.0 TVD:7023.0 I:88.4 A:359.2 VS:3311.1

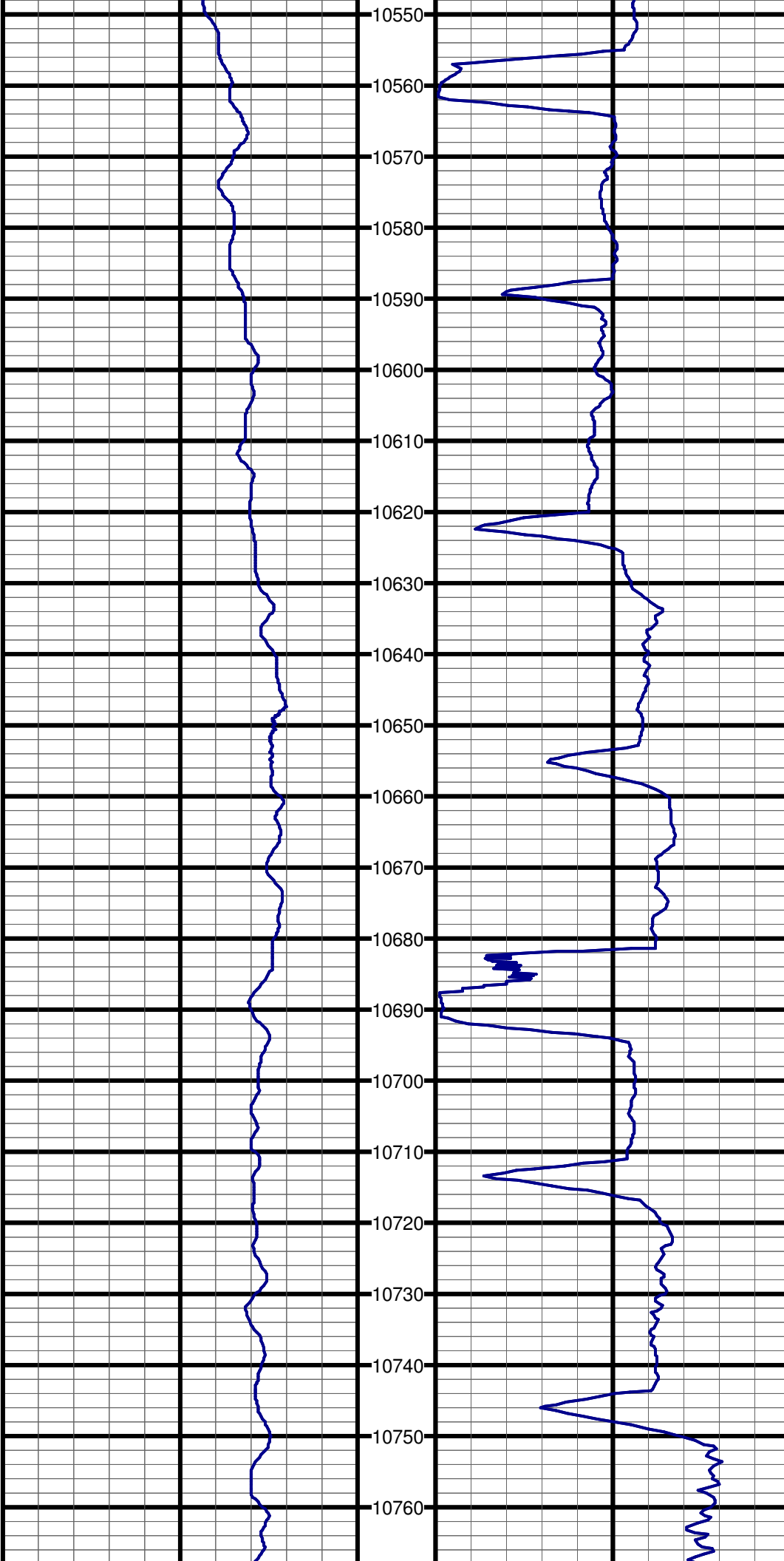
#111 MD:10314.0 TVD:7024.8 I:88.4 A:357.9 VS:3374.1



#112 MD:10377.0 TVD:7026.3 I:88.8 A:358.4 VS:3437.0

#113 MD:10441.0 TVD:7027.5 I:89.1 A:359.3 VS:3501.0

#114 MD:10504.0 TVD:7028.3 I:89.4 A:359.6 VS:3564.0

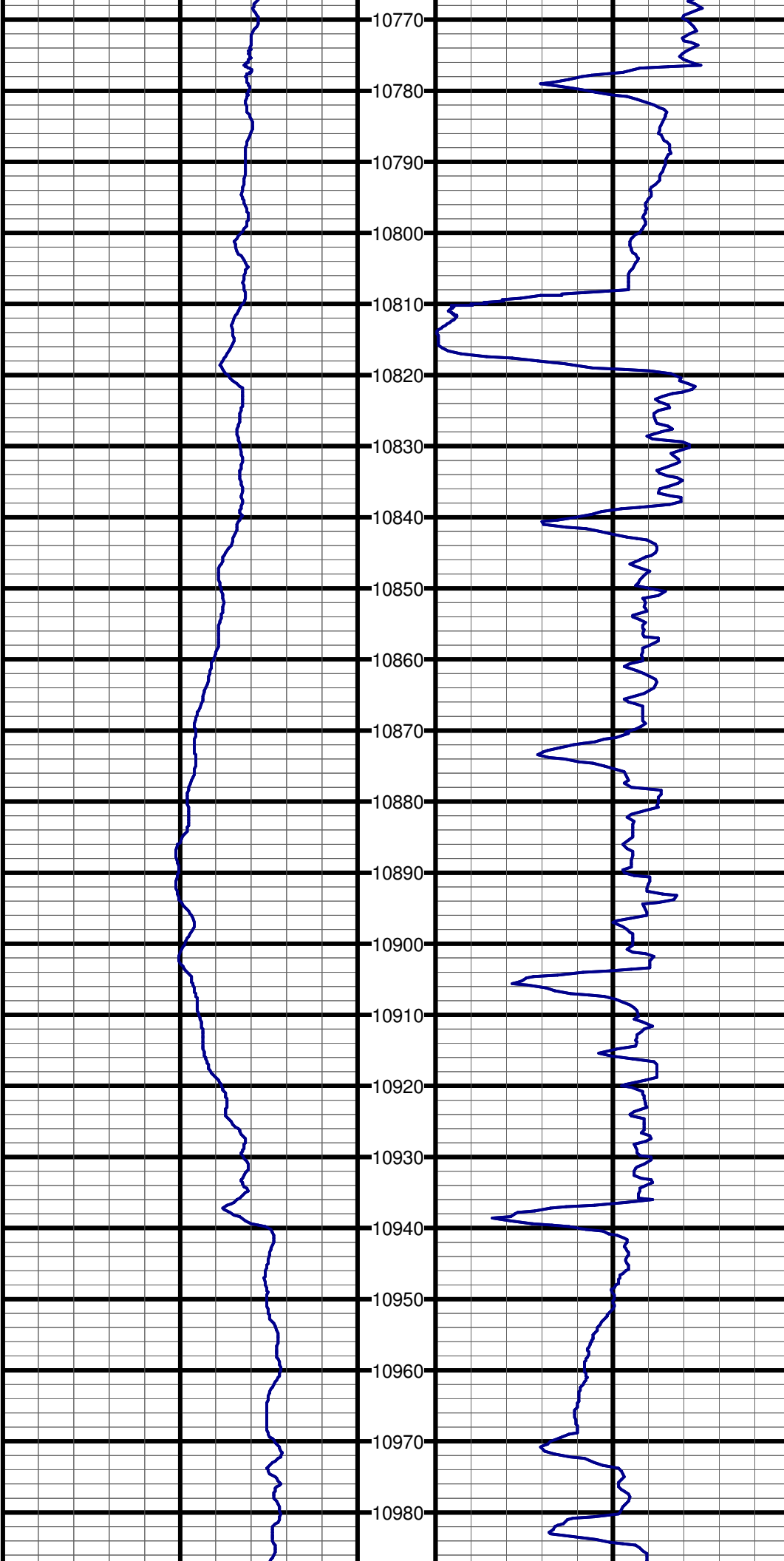


#115 MD:10568.0 TVD:7028.9 I:89.5 A:0.2 VS:3628.0

#116 MD:10631.0 TVD:7029.6 I:89.3 A:359.7 VS:3691.0

#117 MD:10694.0 TVD:7030.0 I:90.0 A:0.3 VS:3754.0

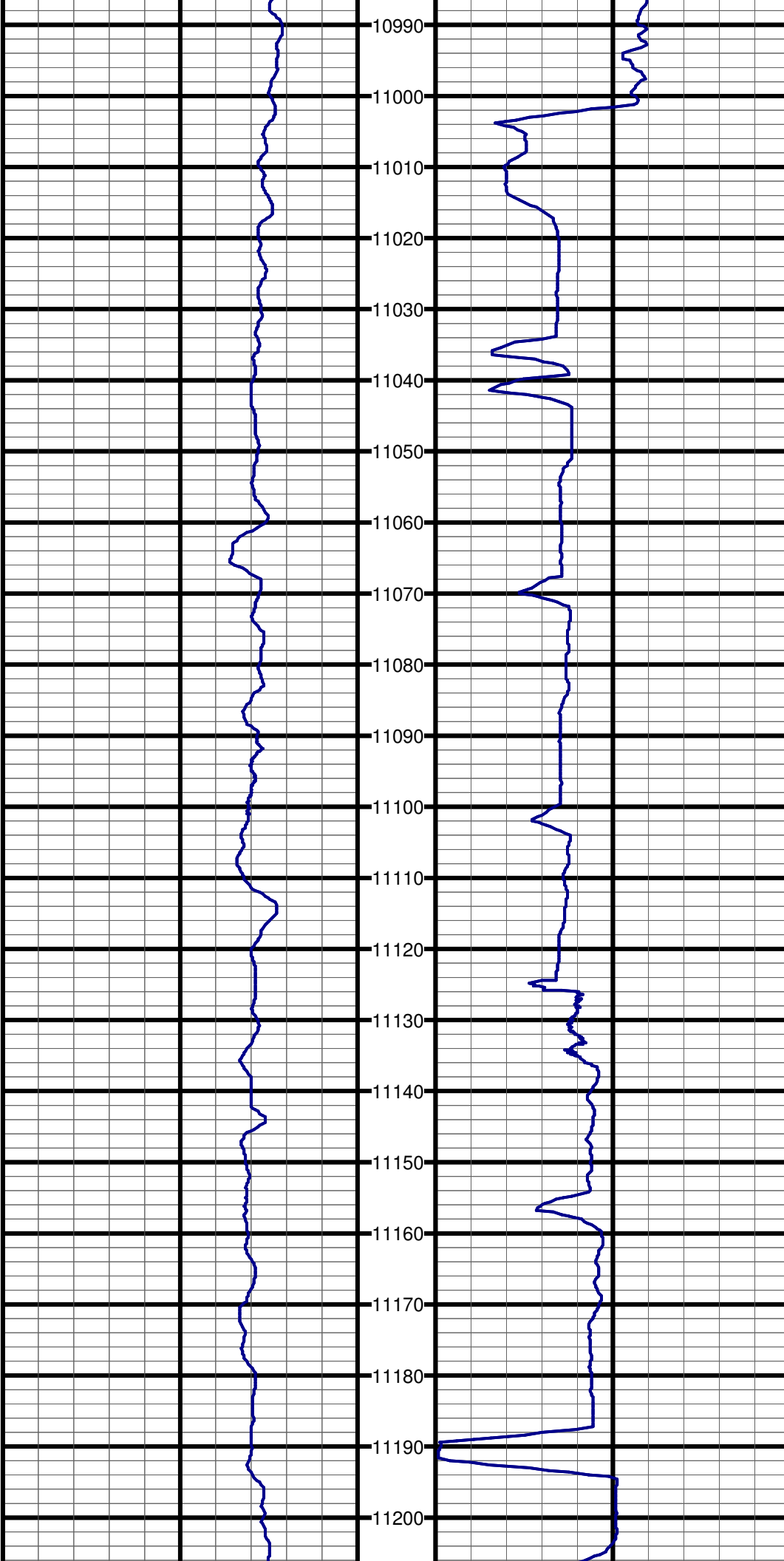
#118 MD:10758.0 TVD:7030.0 I:89.9 A:0.0 VS:3818.0



#119 MD:10821.0 TVD:7030.0 I:90.1 A:0.6 VS:3881.0

#120 MD:10884.0 TVD:7029.8 I:90.4 A:0.2 VS:3944.0

#121 MD:10948.0 TVD:7029.3 I:90.4 A:0.3 VS:4008.0

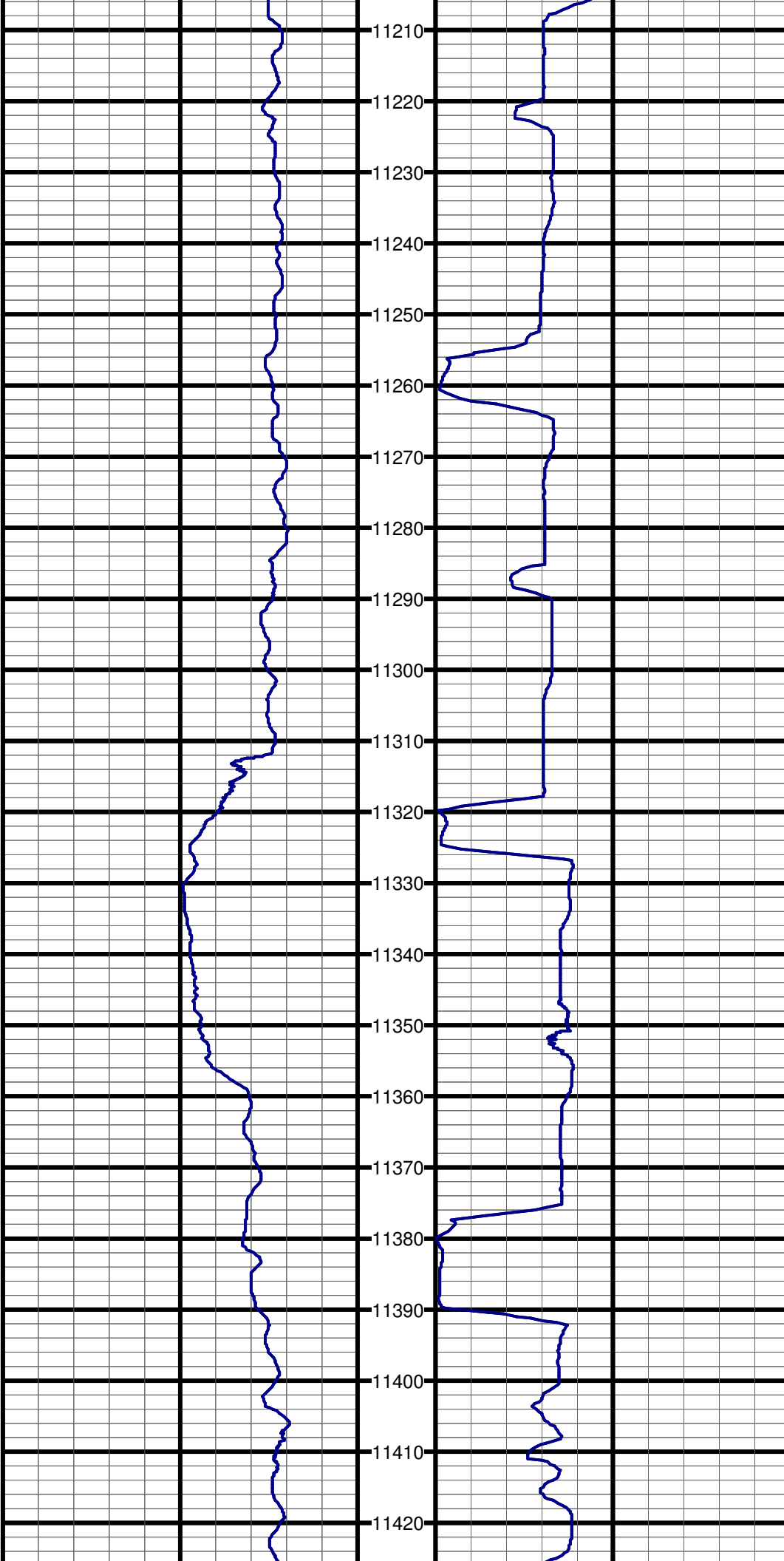


#122 MD:11011.0 TVD:7029.0 I:90.2 A:0.2 VS:4071.0

#123 MD:11074.0 TVD:7029.0 I:89.7 A:359.9 VS:4134.0

#124 MD:11137.0 TVD:7029.7 I:89.1 A:359.4 VS:4197.0

#125 MD:11200.0 TVD:7031.1 I:88.3 A:359.0 VS:4259.9



#126 MD:11264.0 TVD:7032.8 I:88.7 A:359.1 VS:4323.9

#127 MD:11327.0 TVD:7034.5 I:88.2 A:359.8 VS:4386.9

#128 MD:11391.0 TVD:7036.2 I:88.7 A:359.6 VS:4450.9

#129 MD:11410.0 TVD:7036.6 I:88.8 A:359.2 VS:4469.9

