



**GeologPlot**  
(Scale: 5" = 100' (100'))

Company: Archer  
 Well: Pappenheim 6-62-23-0461BH  
 Field: D Basin  
 Well ID:  
 Job Number: 4320-432-22  
 Location:  
 Operator 1: Bill Barrett  
 Operator 2: Chad Andress

State: Co  
 County: Weld  
 Country: USA

Elev KB: 4714'  
 Elev DF:  
 Elev GL: 4698'

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

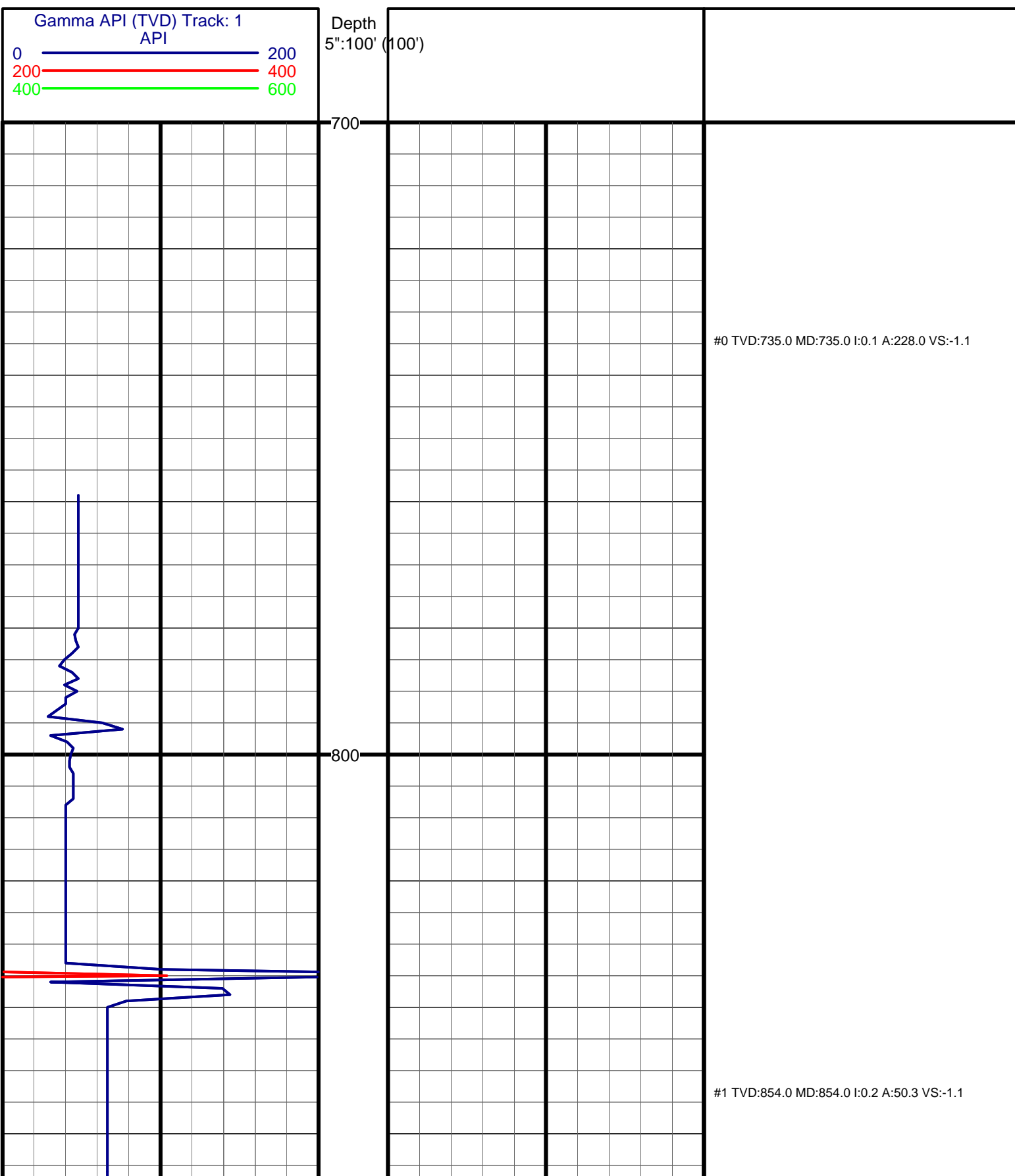
Hole Data			Casing Record		
Size	From	To	Size	From	To
13.5"	0'	849'	8.835"	0'	836'
8.75"	849'	6680'	6.276"	0'	6614'
6.125"	6680'				

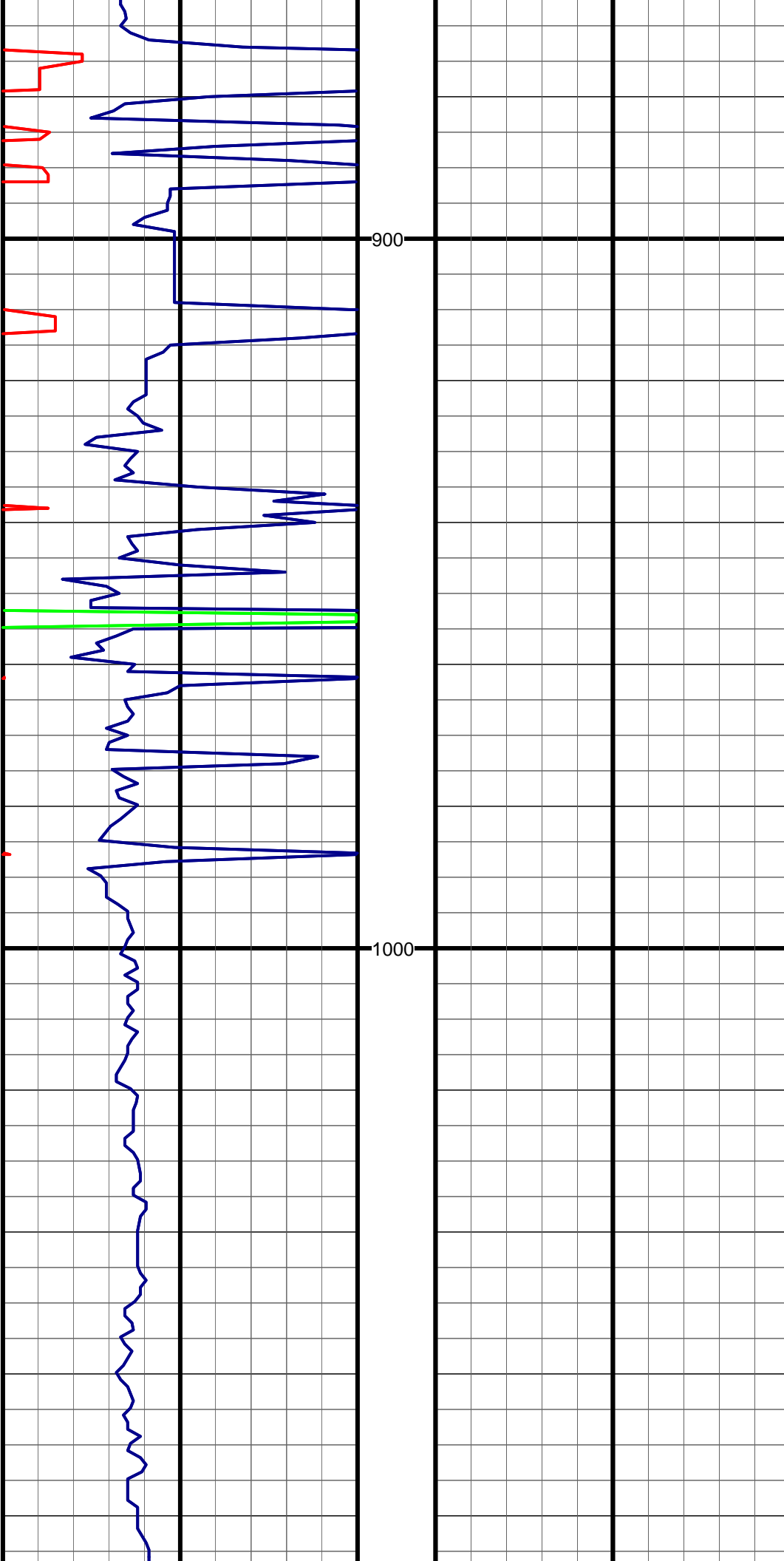
Tool Run Data		Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	565	565	565	565	565	605
Cal Factor	4.752	4.752	2.95	2.95	2.95	2.81
Gamma Offset	42'	43'	43'	41'	48'	
Start Depth	800'	5838'	6065'	6312'	6680'	
Start Date	6/24/13	6/27/13	6/28/13	6/29/13	6/30/13	
Start Time	03:00	0:15	0:30	04:30	18:00	
End Depth	5838'	6065'	6312'	6680'	7293'	
End Date	6/26/13	6/27/13	6/29/13	6/29/13	7/1/13	
End Time	18:00	16:00	02:30	23:15	14:15	

Tool Run Data	Run #6	Run #7	Run #8	Run #9	Run #10
Tool S/N	565	565			
Cal Factor	2.81	2.81			
Offset	48'	48'			
Start Depth	7293'	9342			
Start Date	7/1/13	7/3/13			
Start Time	14:30	10:15			
End Depth	9342	10664			
End Date	7/3/13				
End Time	9:15				

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					



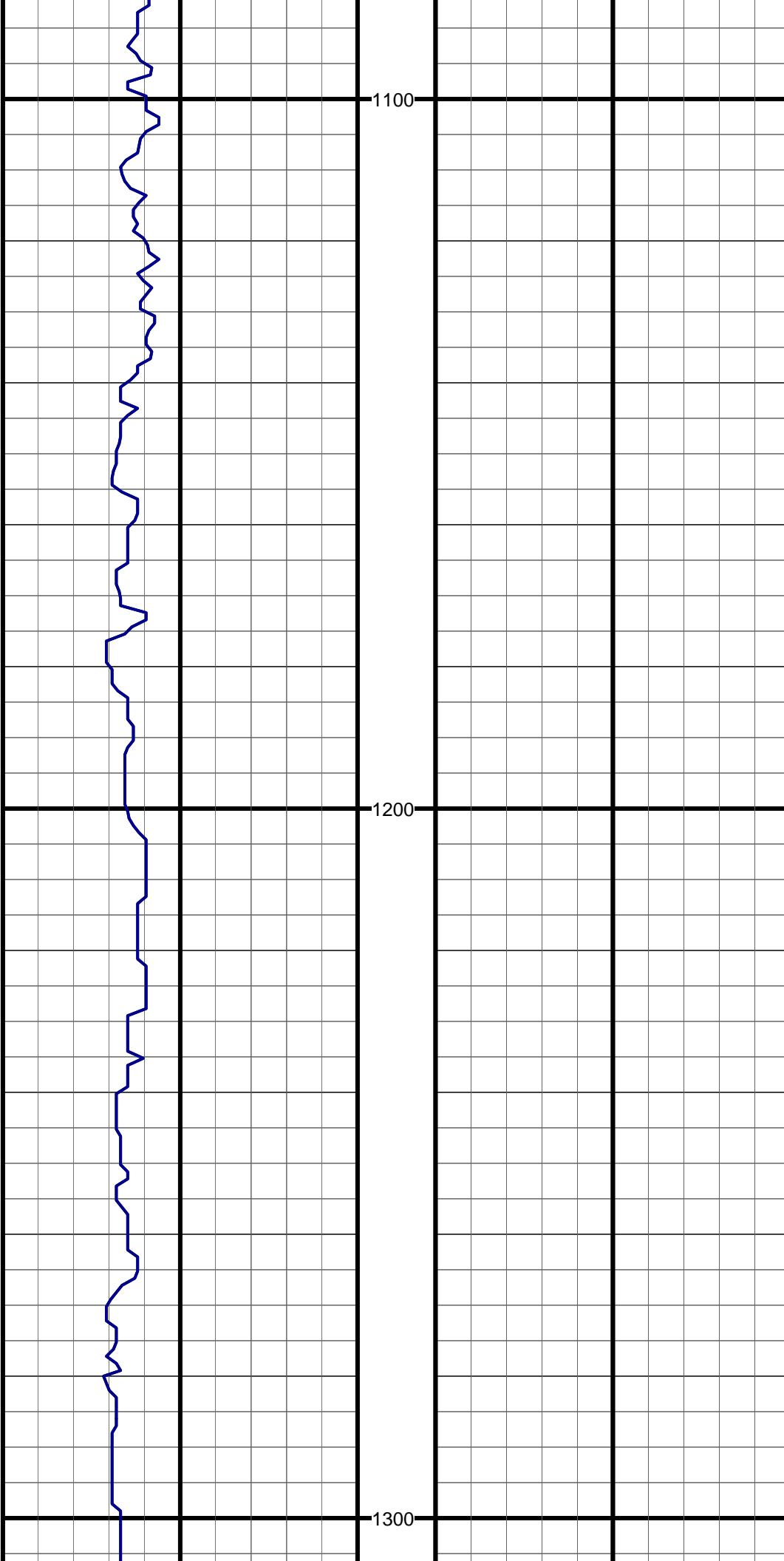


900

#2 TVD:916.0 MD:916.0 I:0.3 A:60.3 VS:-1.3

1000

#3 TVD:1008.0 MD:1008.0 I:2.6 A:52.9 VS:-2.5



1100

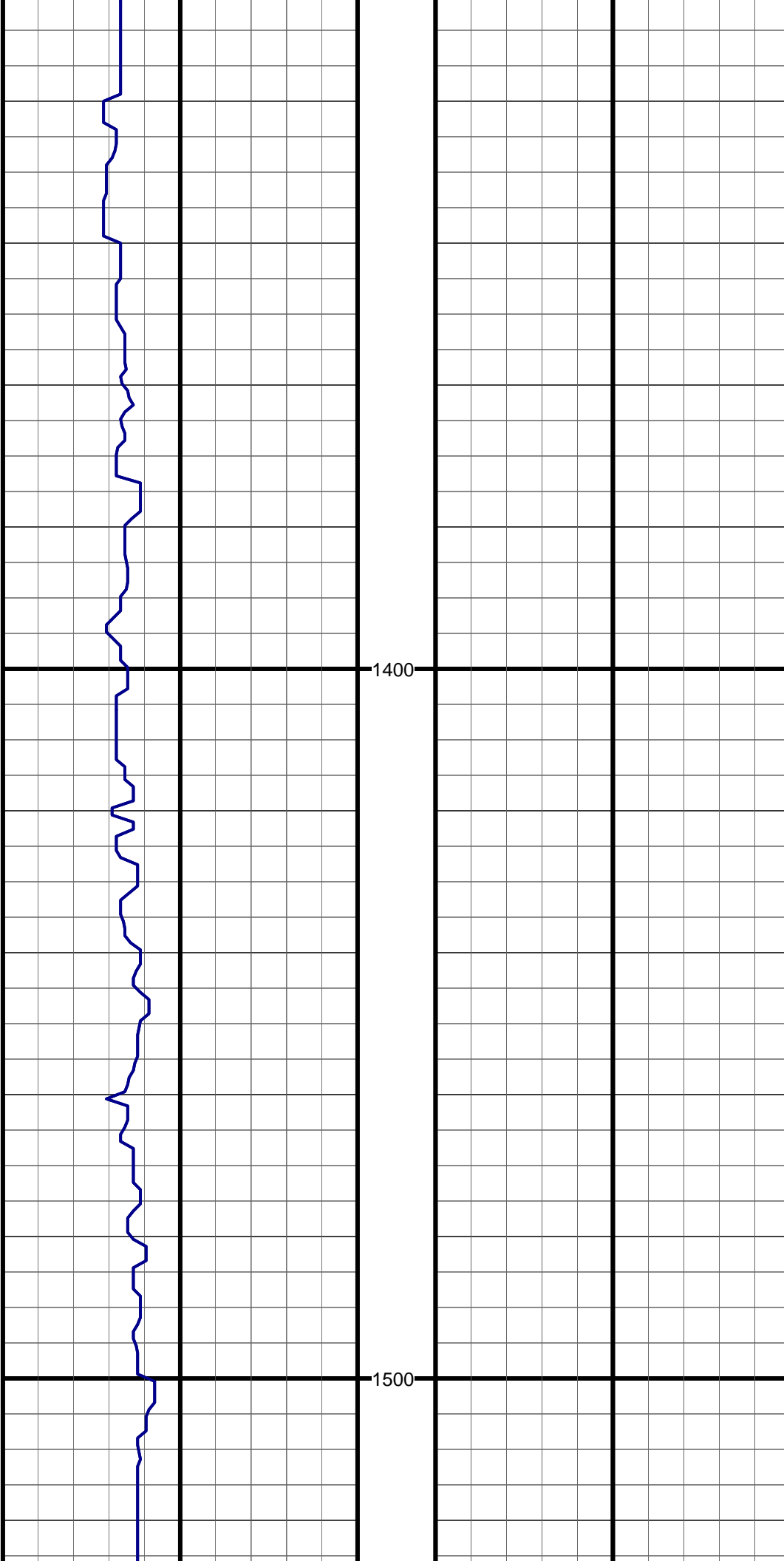
#4 TVD:1100.8 MD:1101.0 I:4.8 A:58.7 VS:-5.4

1200

#5 TVD:1192.5 MD:1193.0 I:4.4 A:45.9 VS:-9.4

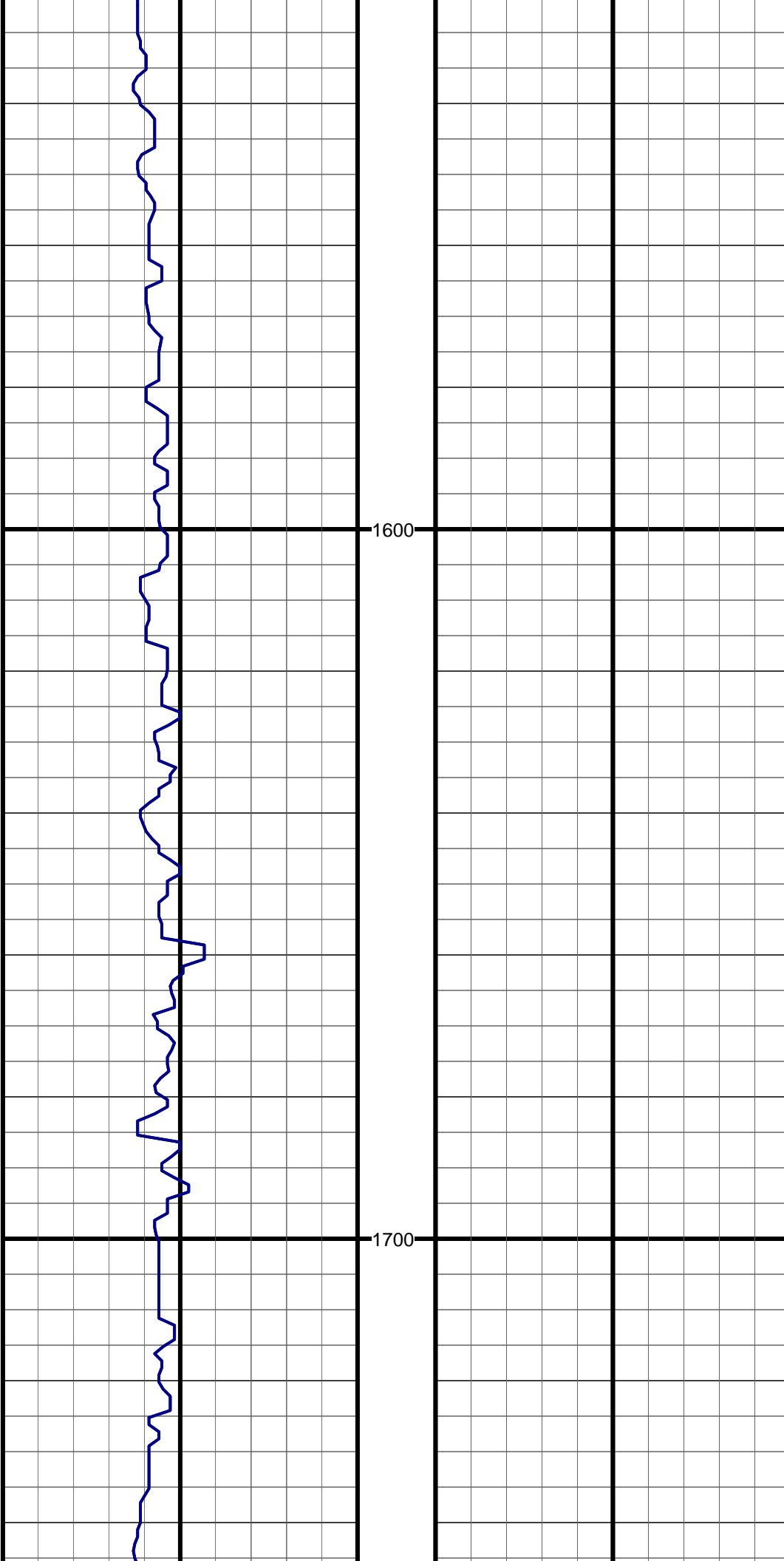
1300

#6 TVD:1284.2 MD:1285.0 I:4.7 A:45.2 VS:-14.1



#7 TVD:1375.9 MD:1377.0 I:4.3 A:71.4 VS:-17.4

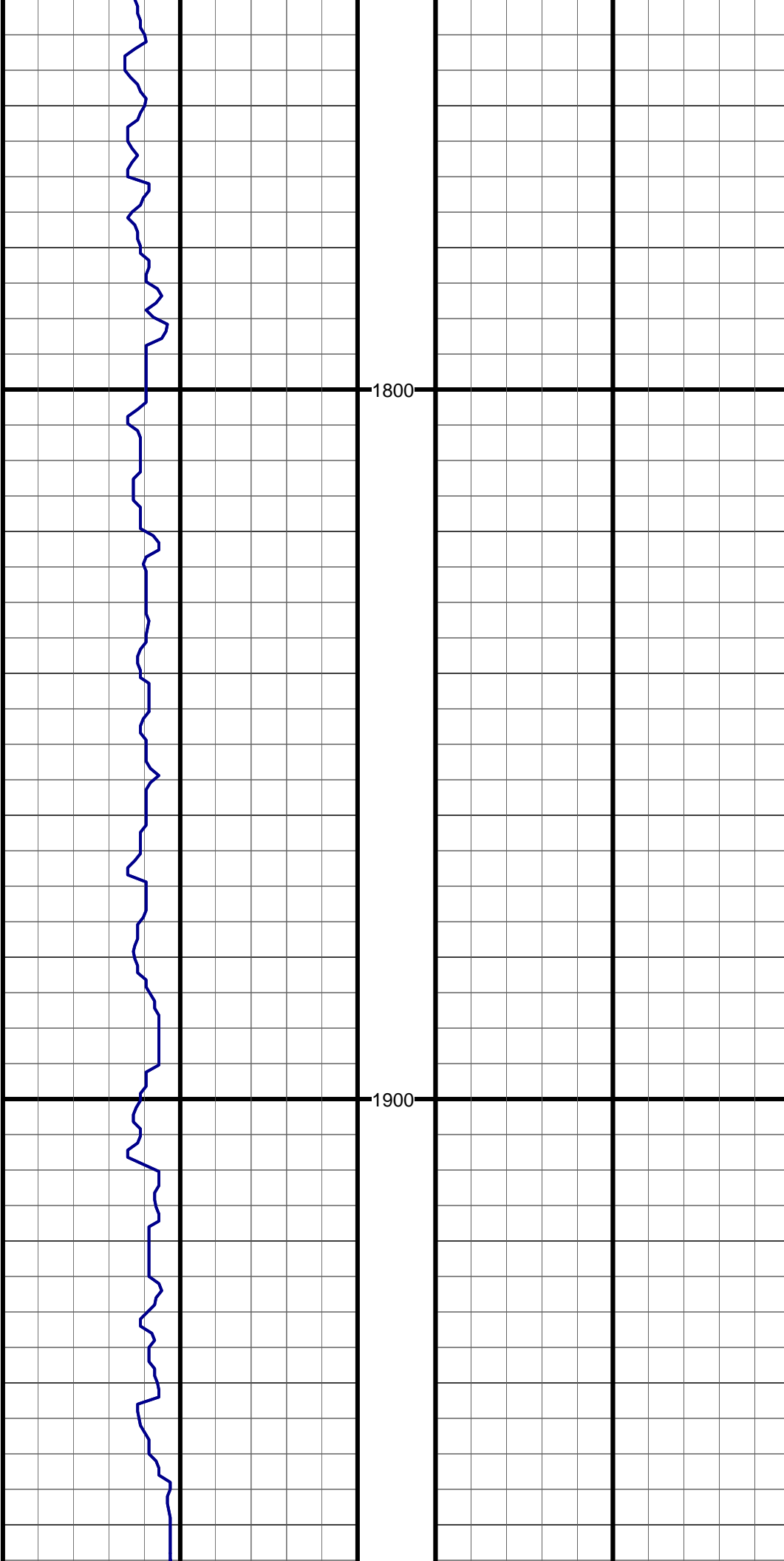
#8 TVD:1467.6 MD:1469.0 I:5.1 A:46.8 VS:-20.8



#9 TVD:1562.1 MD:1564.0 I:6.2 A:55.2 VS:-26.0

#10 TVD:1655.6 MD:1658.0 I:5.7 A:50.9 VS:-31.3

#11 TVD:1749.1 MD:1752.0 I:6.2 A:68.4 VS:-35.4

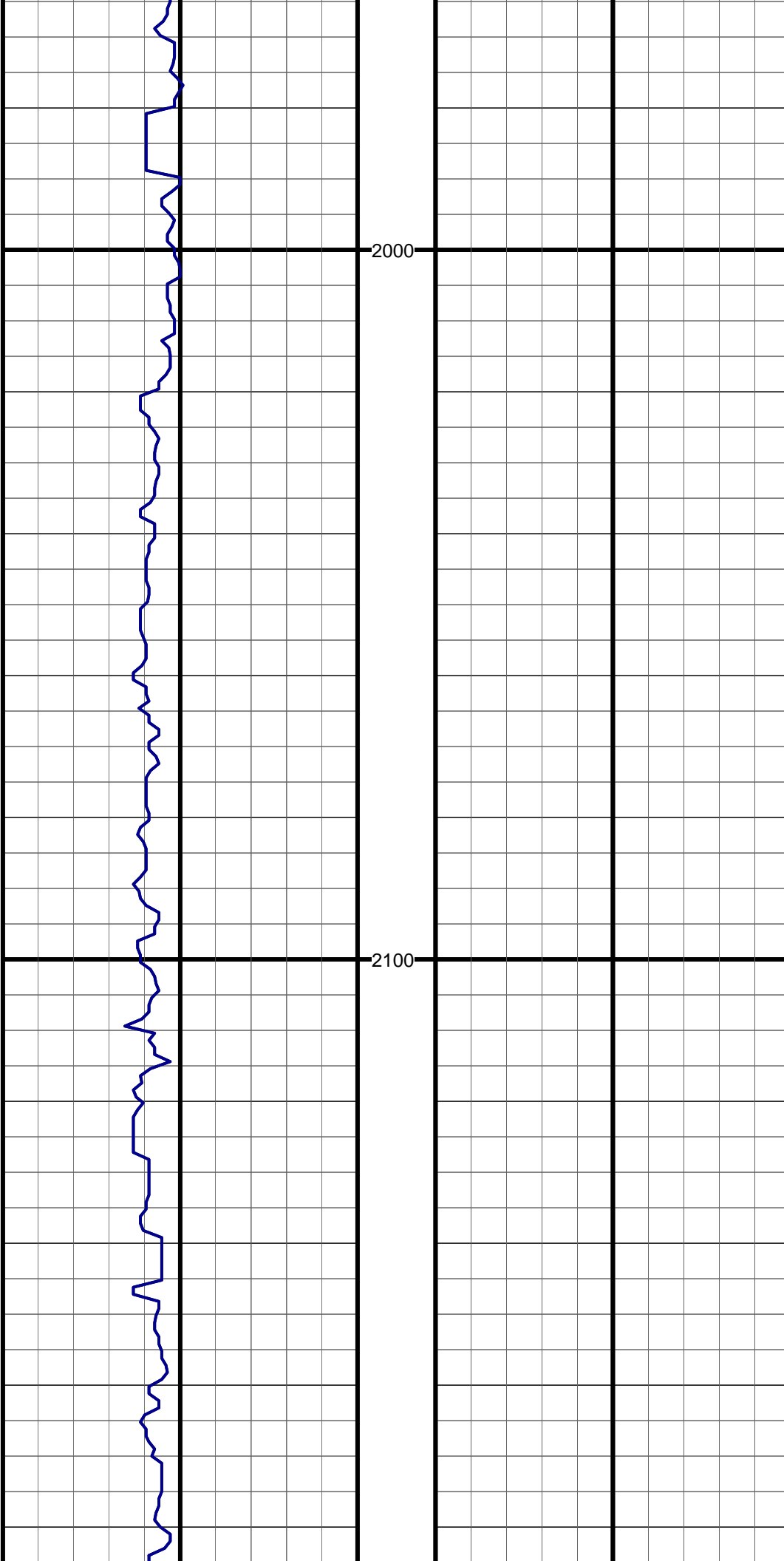


1800

#12 TVD:1843.6 MD:1847.0 I:6.2 A:67.8 VS:-38.5

1900

#13 TVD:1938.1 MD:1942.0 I:5.3 A:66.4 VS:-41.5

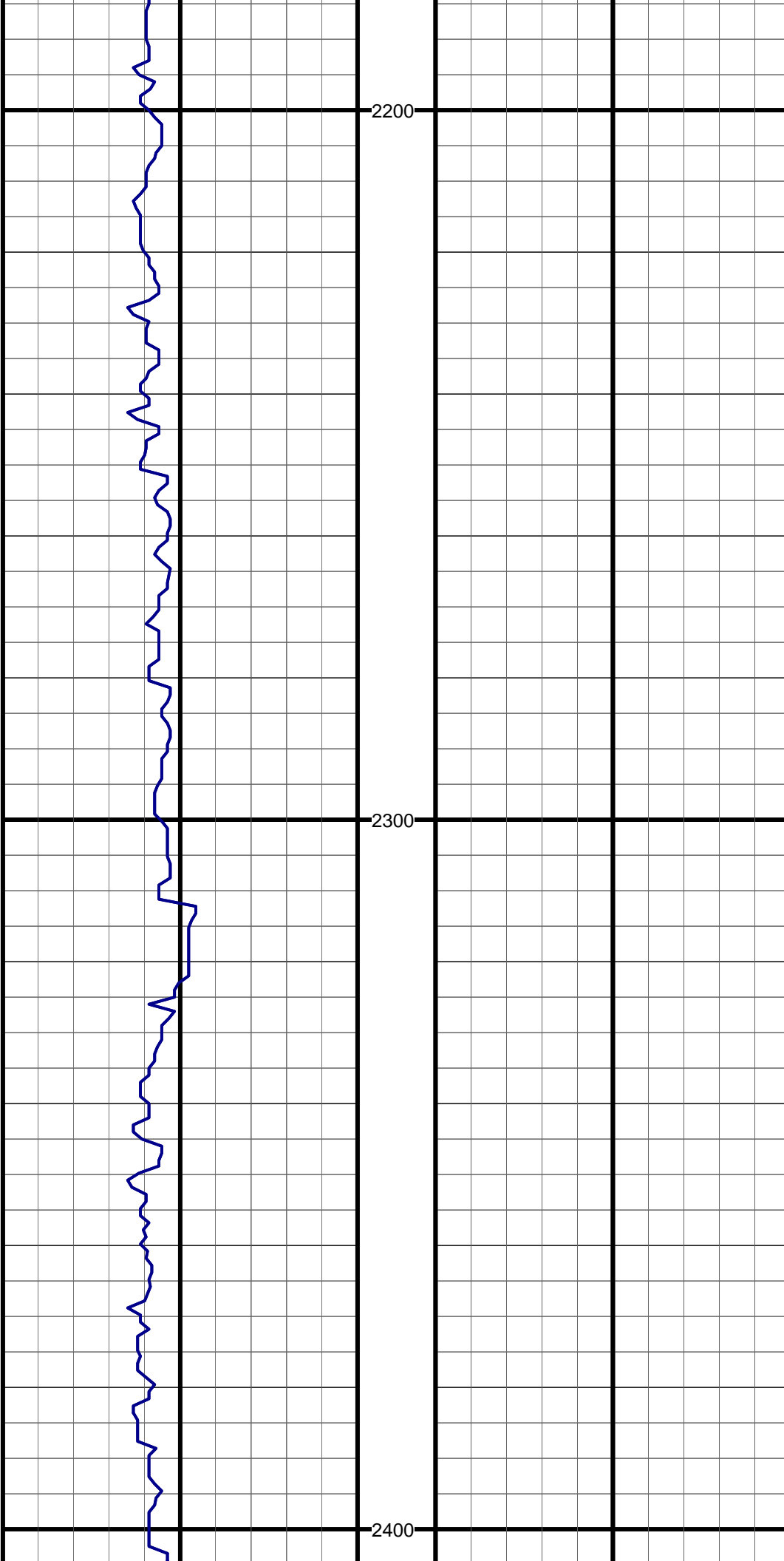


2000

#14 TVD:2031.7 MD:2036.0 I:5.0 A:64.1 VS:-44.4

2100

#15 TVD:2126.4 MD:2131.0 I:4.9 A:61.6 VS:-47.6



2200

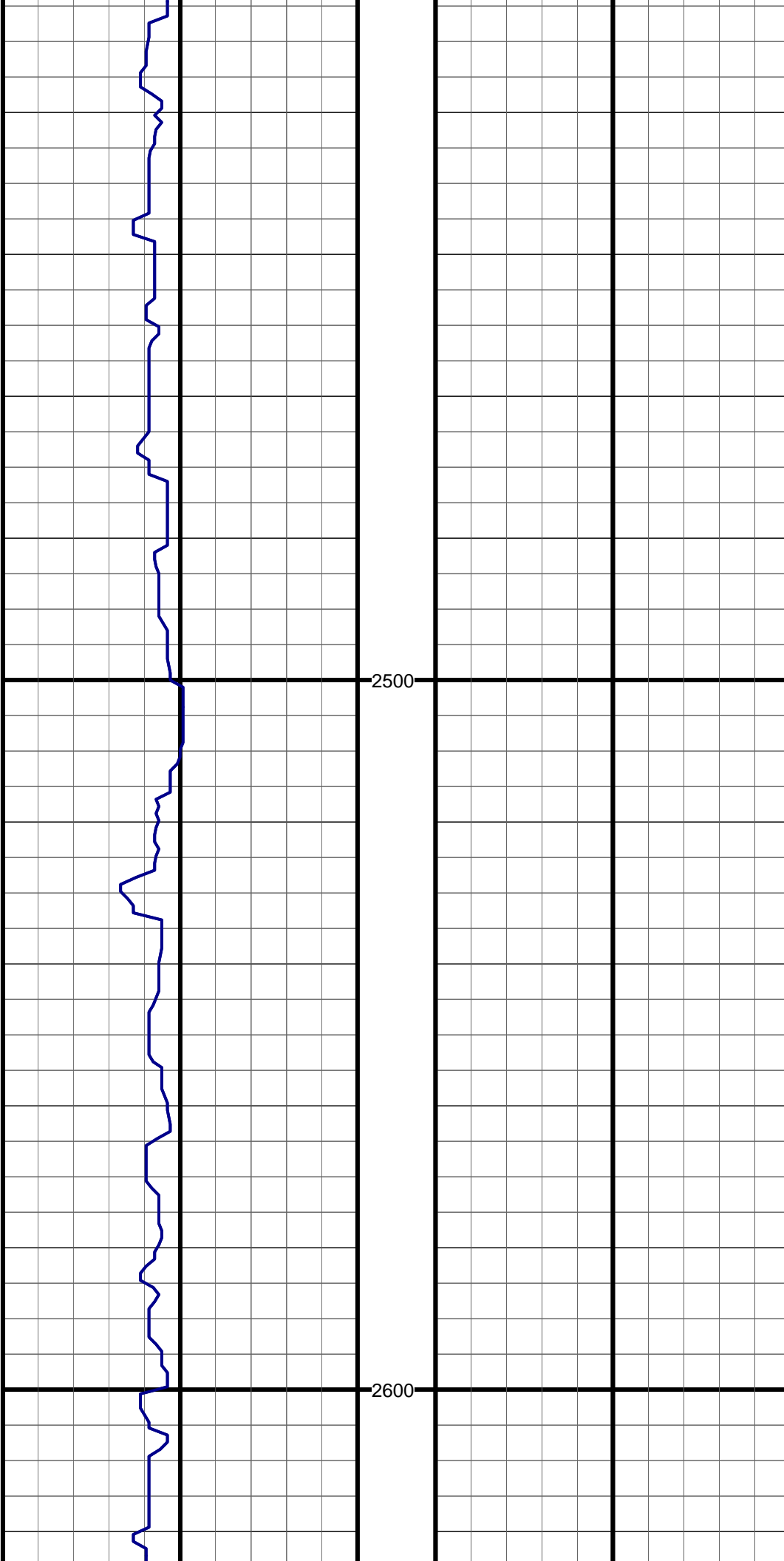
#16 TVD:2220.9 MD:2226.0 I:6.5 A:62.8 VS:-51.3

2300

#17 TVD:2314.2 MD:2320.0 I:7.0 A:61.9 VS:-55.7

2400

#18 TVD:2407.5 MD:2414.0 I:7.1 A:61.3 VS:-60.4

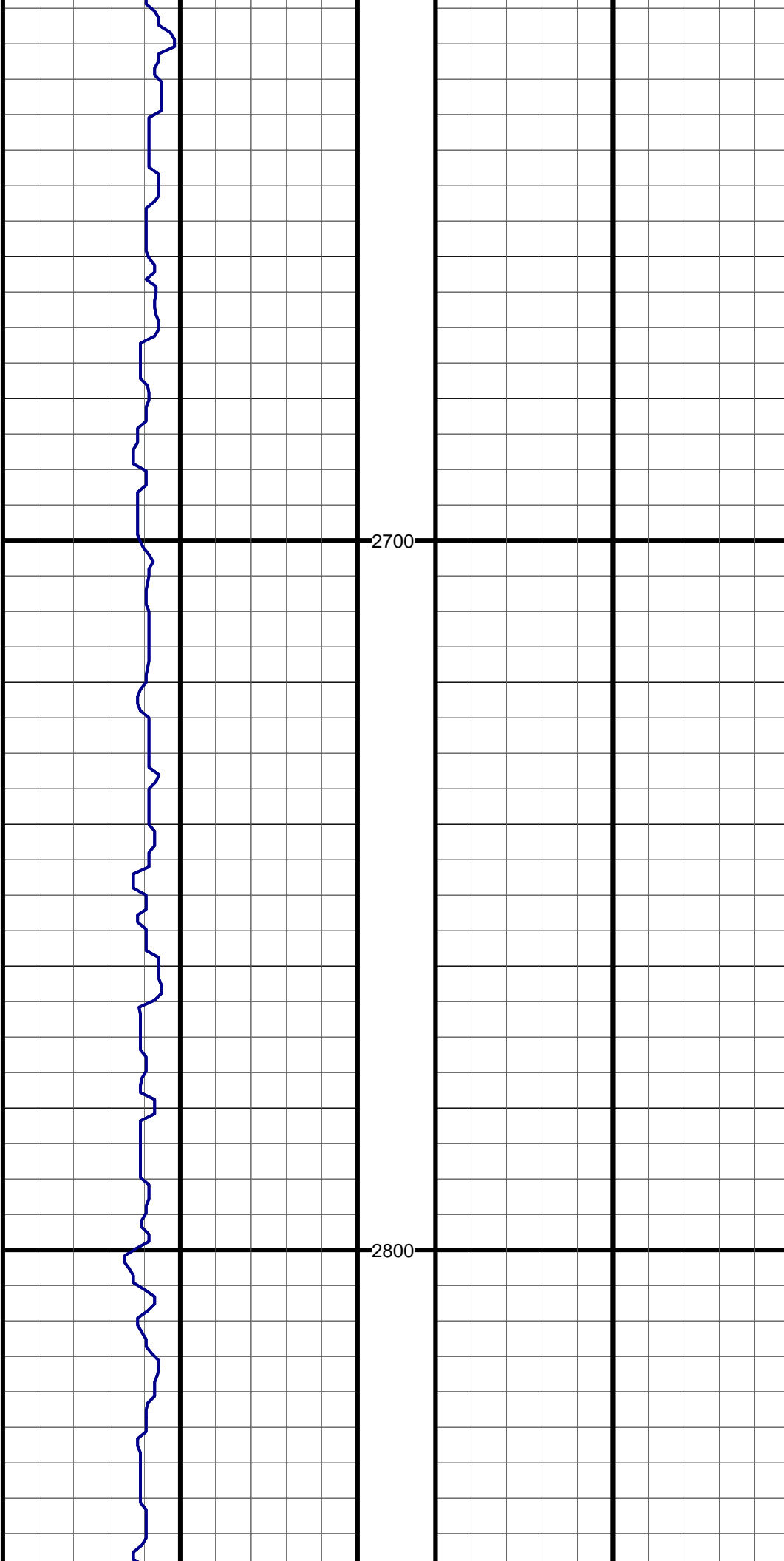


2500

#19 TVD:2502.0 MD:2509.0 I:5.1 A:57.3 VS:-64.8

2600

#20 TVD:2595.6 MD:2603.0 I:5.1 A:60.8 VS:-68.6

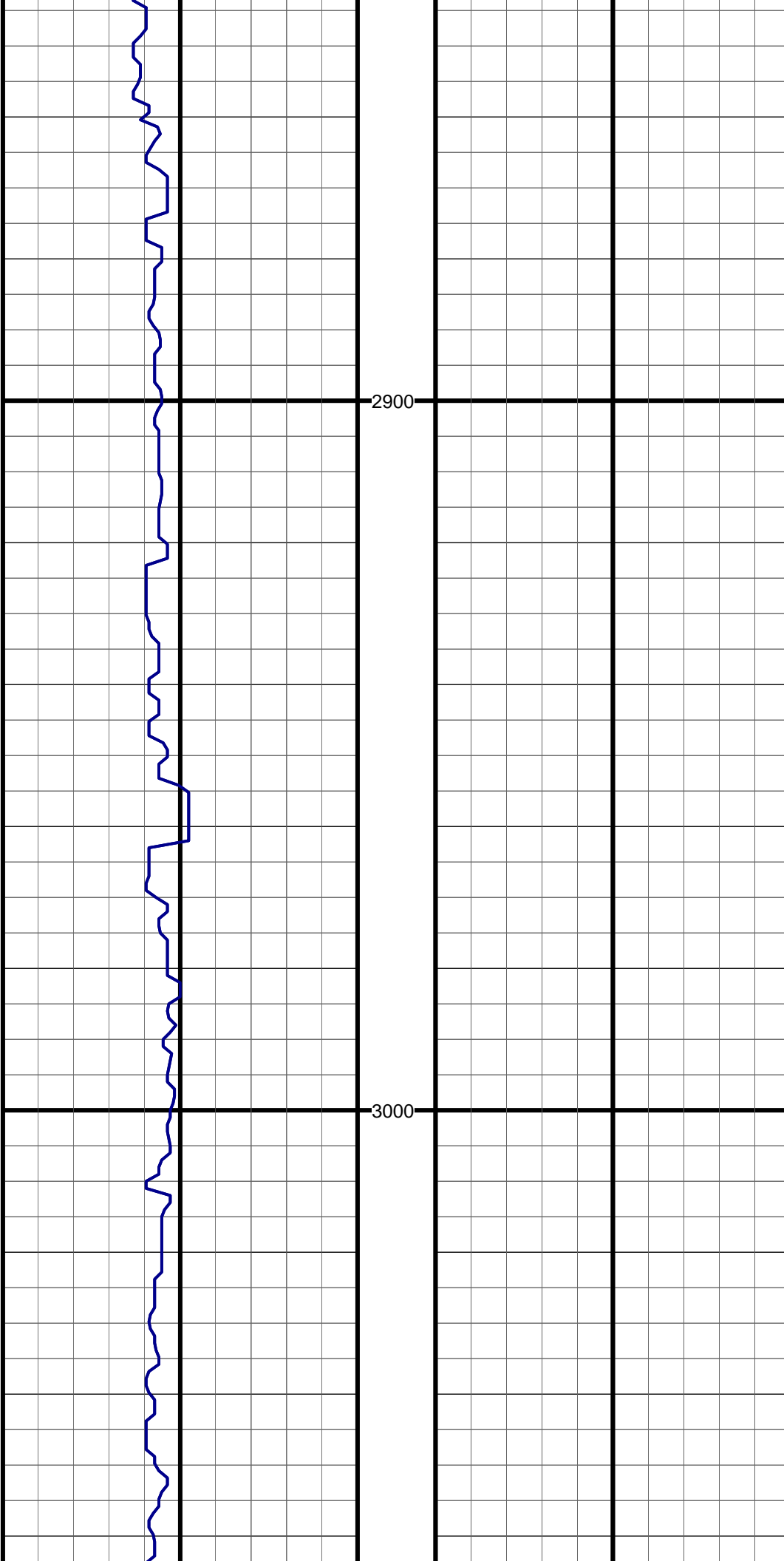


#21 TVD:2690.2 MD:2698.0 I:5.2 A:63.3 VS:-72.0

2700

#22 TVD:2783.8 MD:2792.0 I:5.1 A:60.1 VS:-75.4

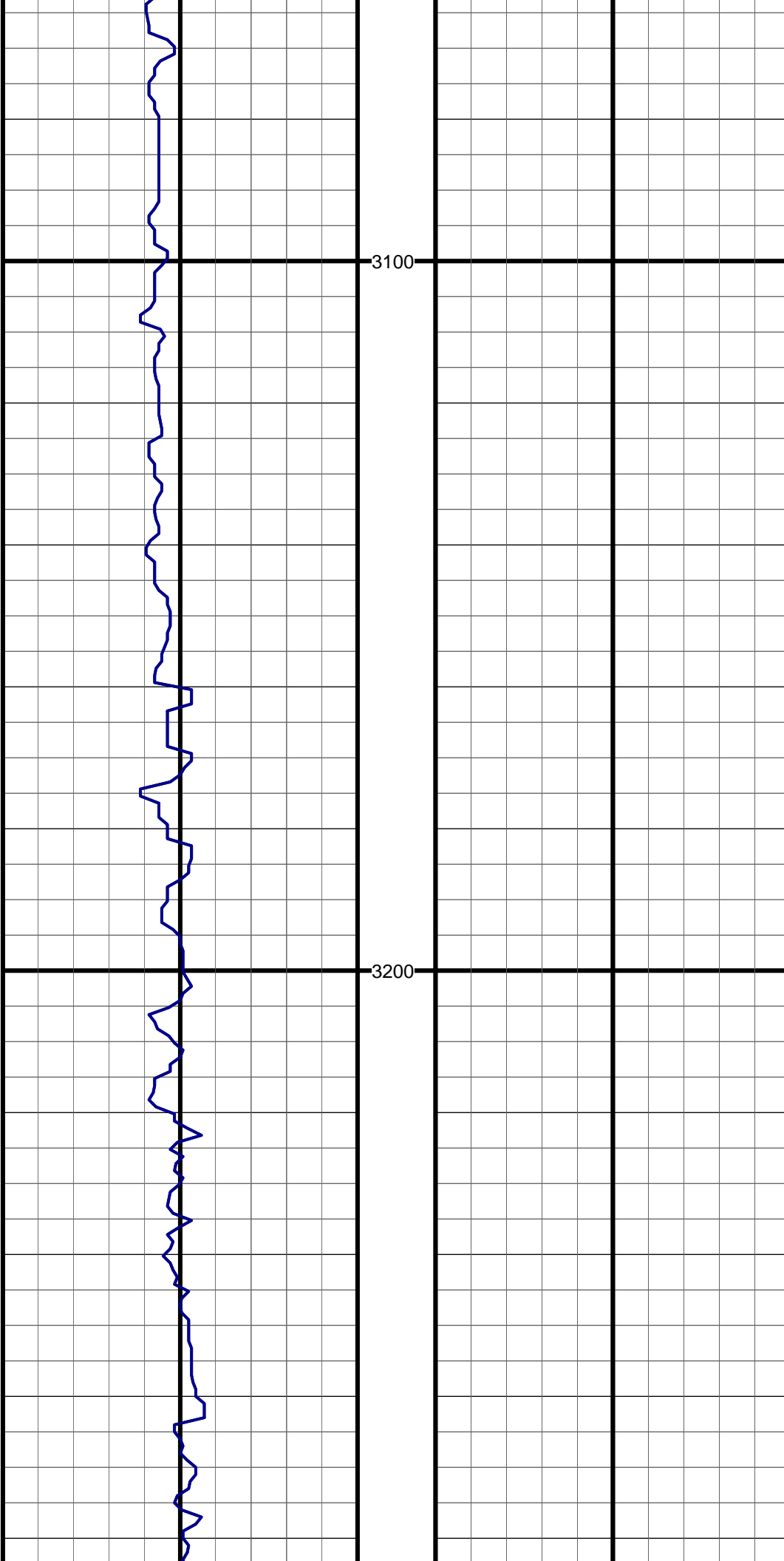
2800



#23 TVD:2878.5 MD:2887.0 I:5.0 A:62.8 VS:-78.8

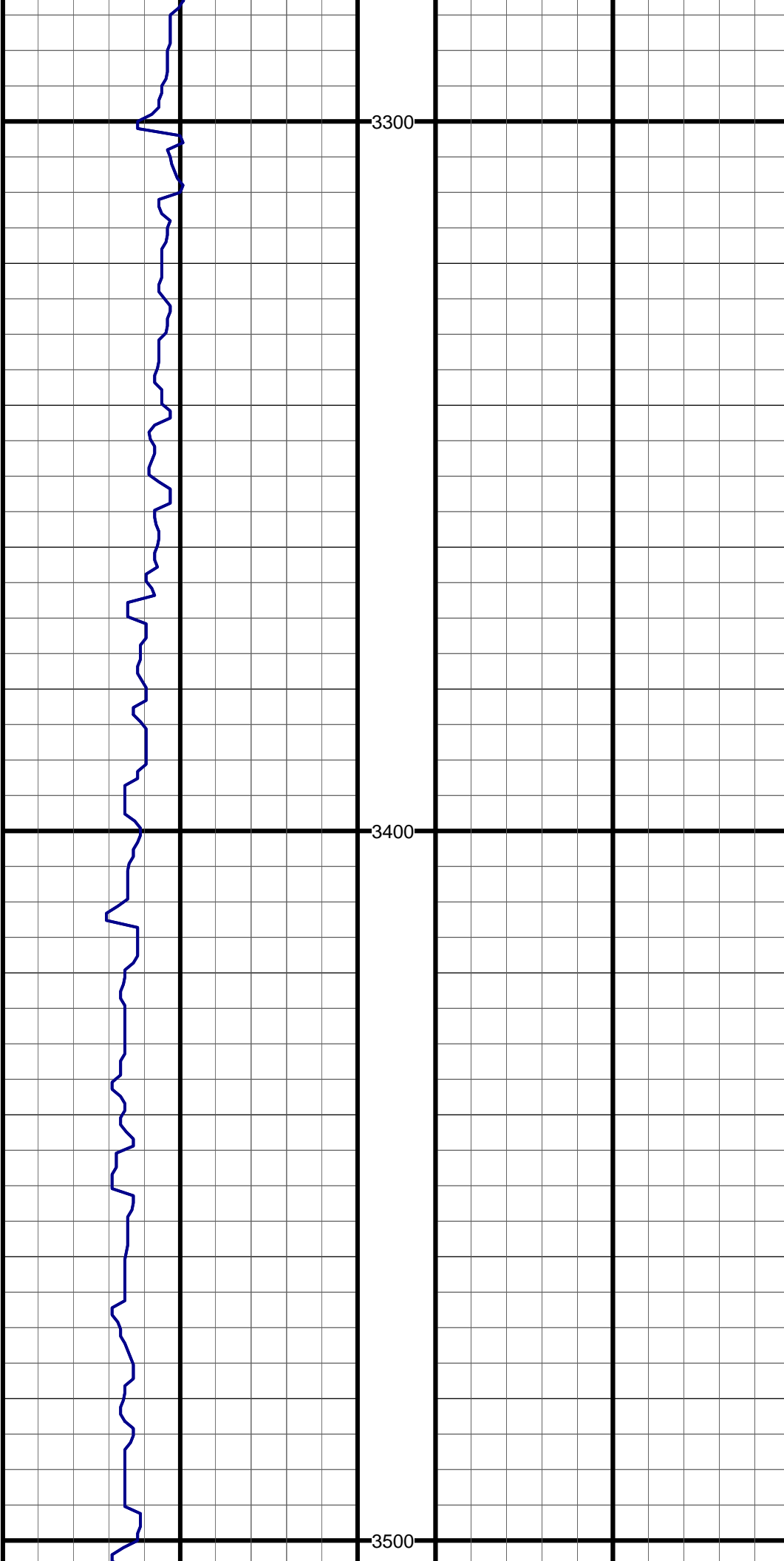
#24 TVD:2972.1 MD:2981.0 I:4.7 A:59.5 VS:-82.1

#25 TVD:3066.8 MD:3076.0 I:5.0 A:73.0 VS:-84.7



#26 TVD:3160.5 MD:3170.0 I:4.8 A:72.2 VS:-86.5

#27 TVD:3255.2 MD:3265.0 I:4.0 A:62.5 VS:-88.7



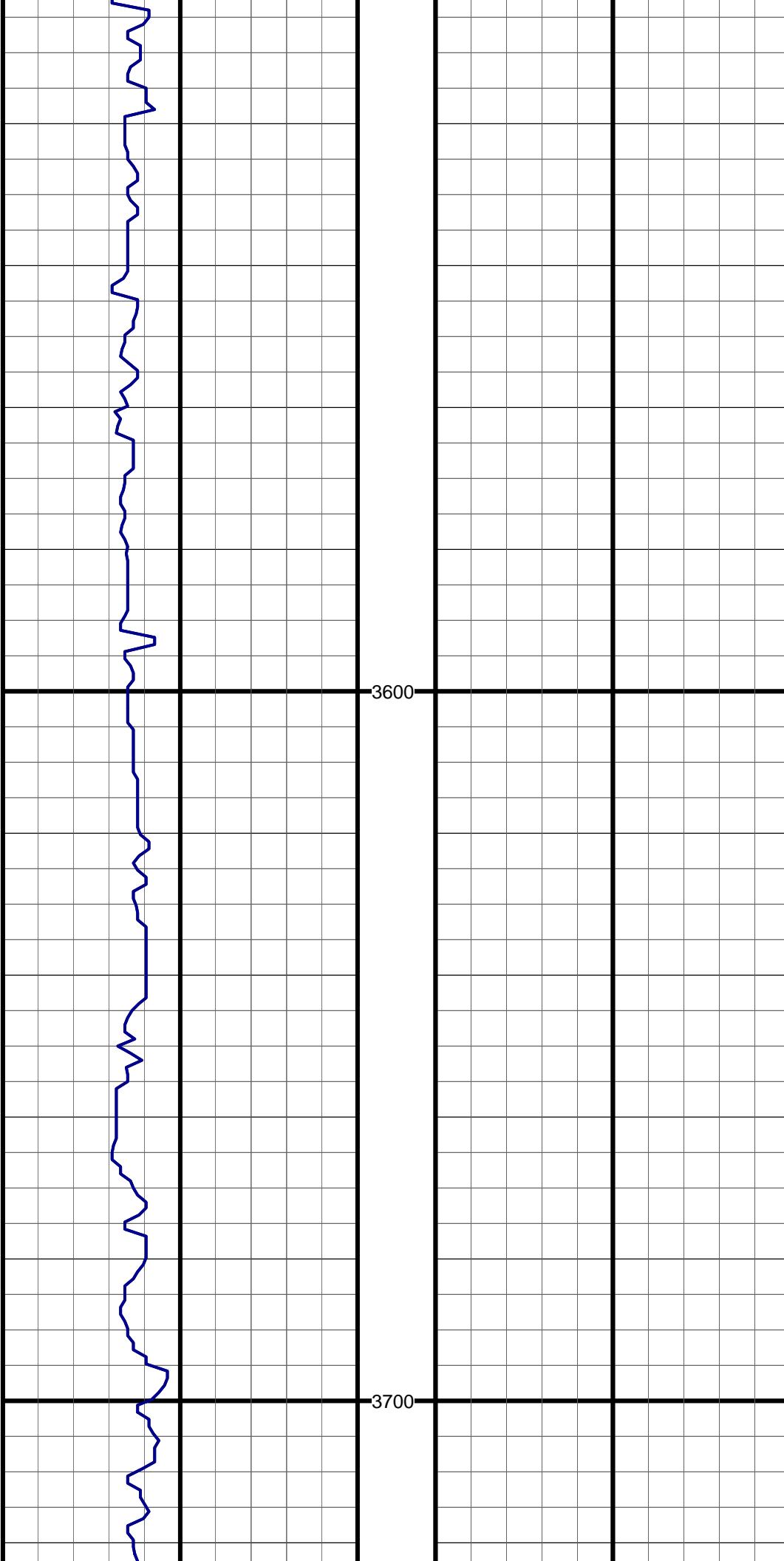
3300

3400

3500

#28 TVD:3348.9 MD:3359.0 I:4.9 A:61.1 VS:-91.7

#29 TVD:3443.5 MD:3454.0 I:5.8 A:66.5 VS:-94.9



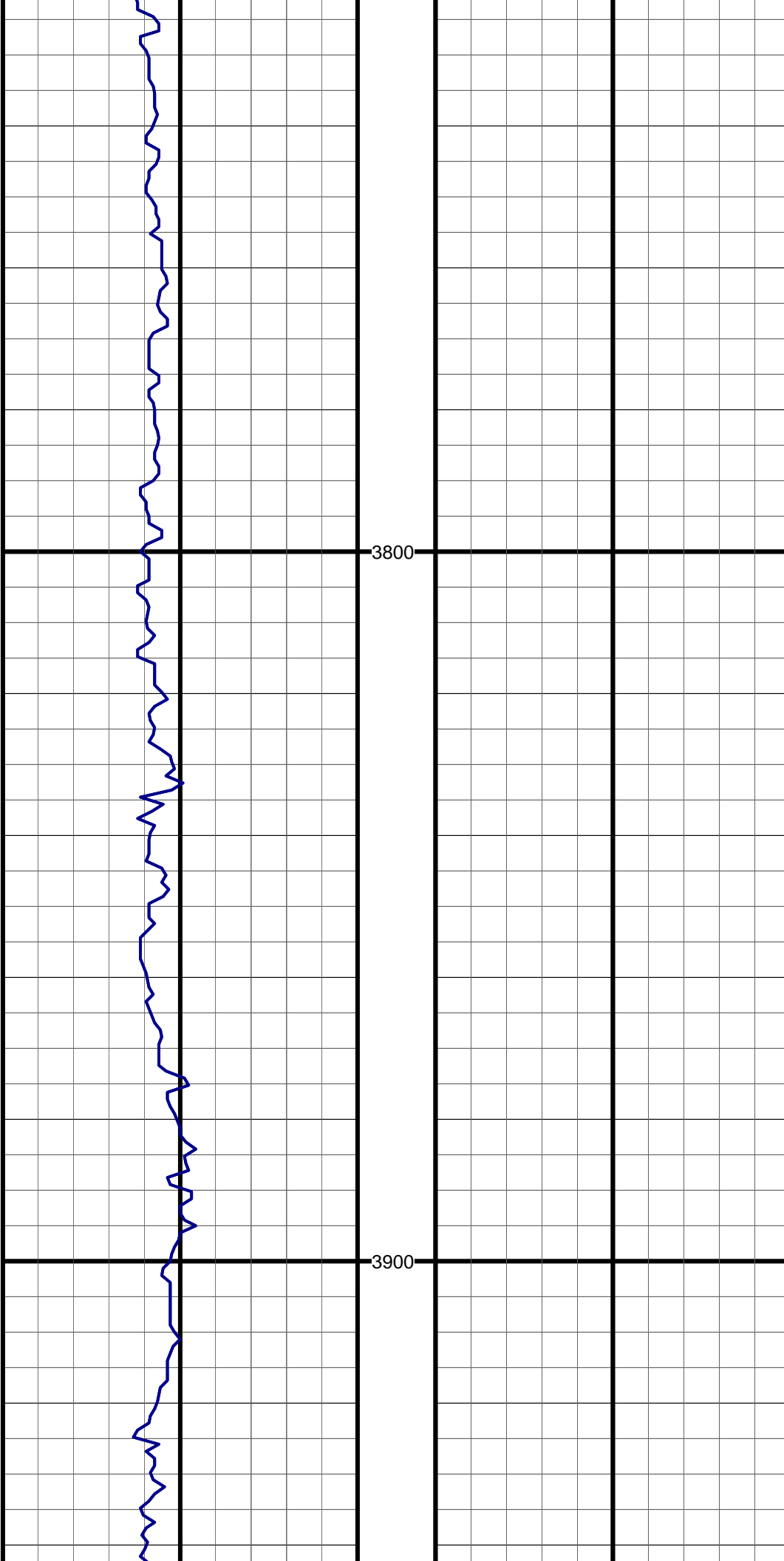
#30 TVD:3536.9 MD:3548.0 I:6.6 A:69.4 VS:-98.0

3600

#31 TVD:3631.3 MD:3643.0 I:6.9 A:72.2 VS:-100.9

3700

#32 TVD:3724.6 MD:3737.0 I:6.9 A:72.9 VS:-103.4

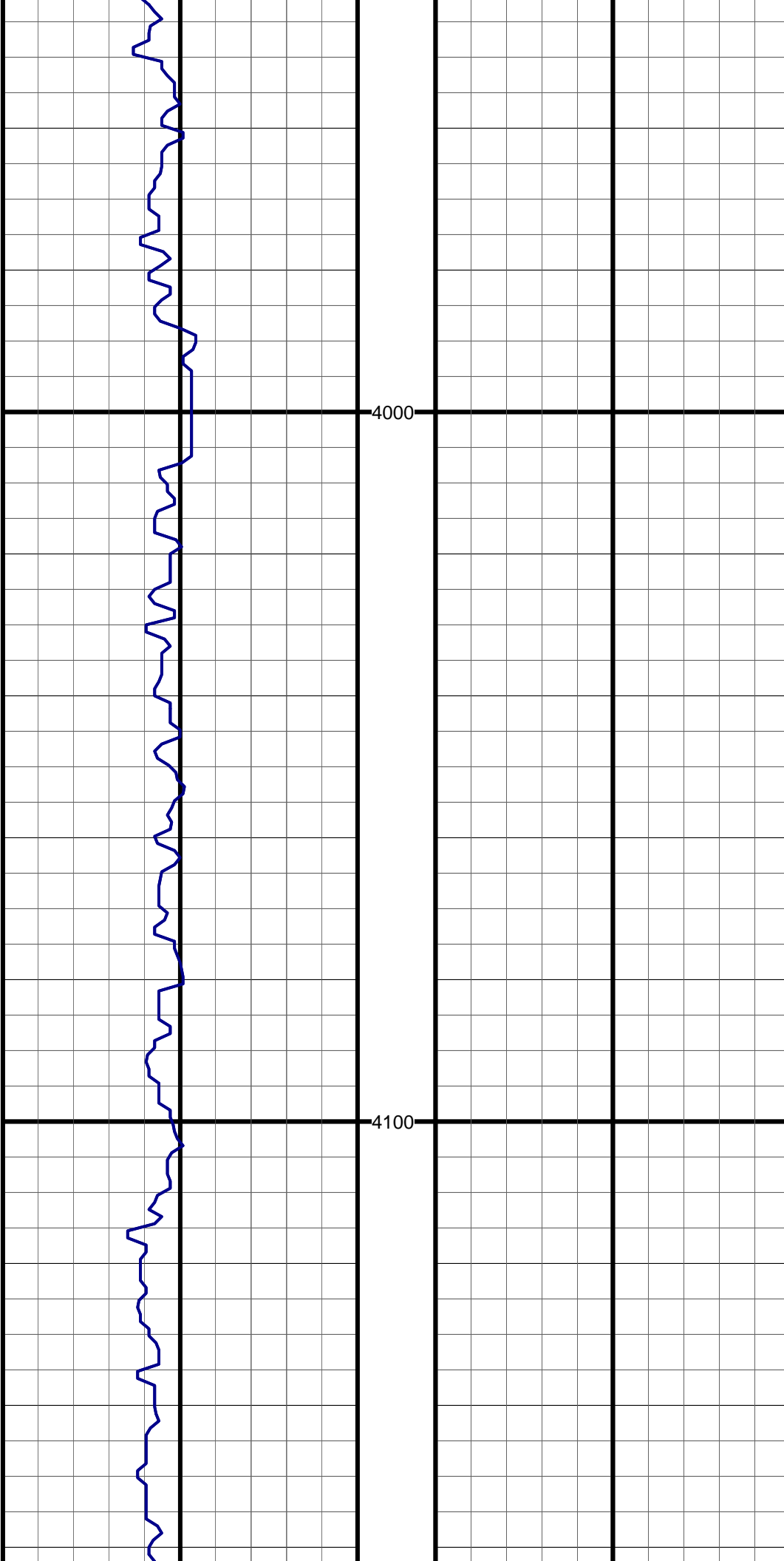


3800

#33 TVD:3818.9 MD:3832.0 I:7.4 A:57.2 VS:-107.6

3900

#34 TVD:3912.0 MD:3926.0 I:8.0 A:52.5 VS:-114.0

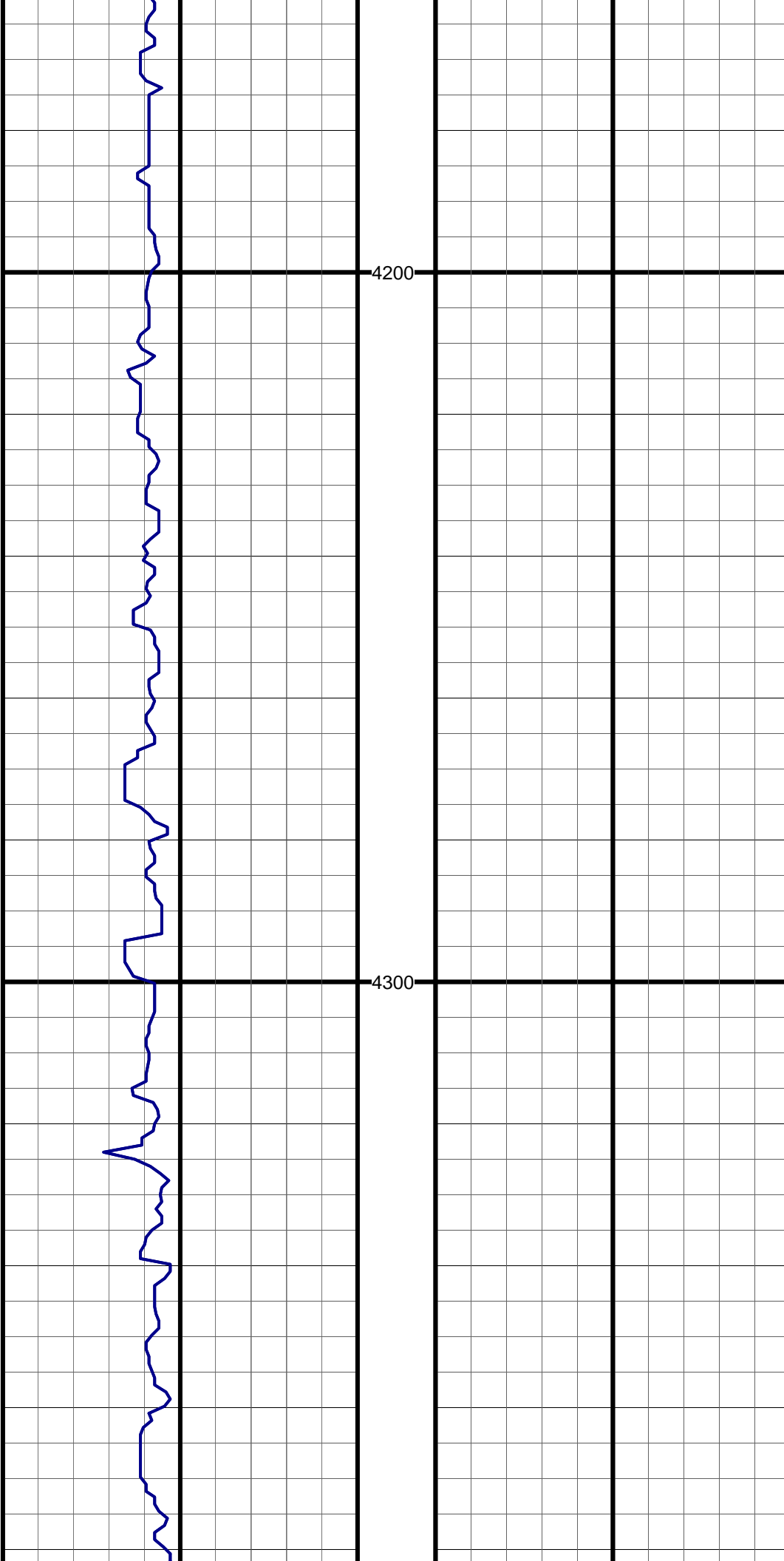


4000

#35 TVD:4006.2 MD:4021.0 I:6.8 A:62.1 VS:-119.9

4100

#36 TVD:4099.6 MD:4115.0 I:6.9 A:63.5 VS:-124.2



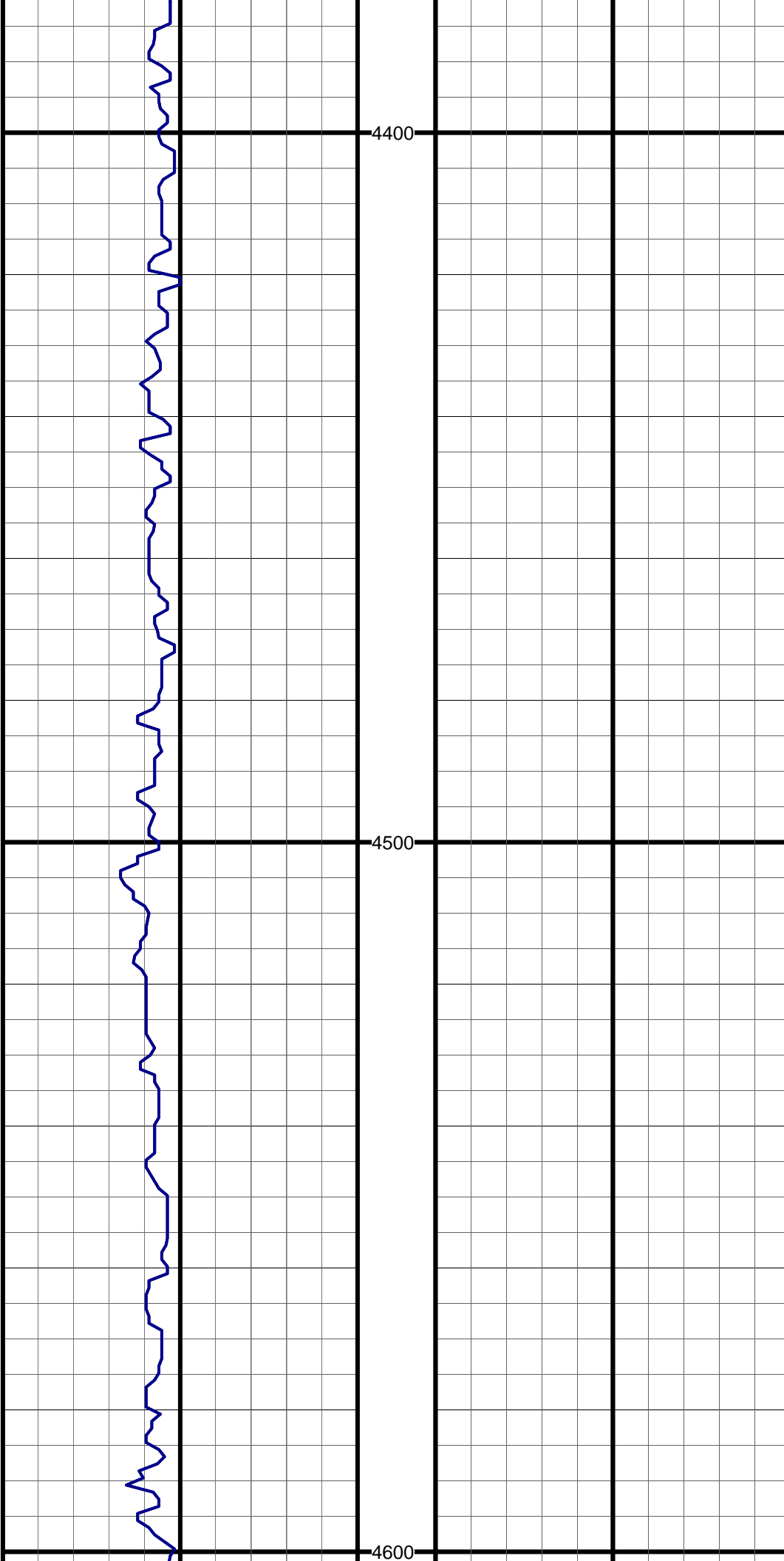
#37 TVD:4192.9 MD:4209.0 I:6.3 A:71.5 VS:-127.6

4200

#38 TVD:4287.3 MD:4304.0 I:6.8 A:71.6 VS:-130.2

4300

#39 TVD:4380.7 MD:4398.0 I:5.9 A:61.2 VS:-133.6



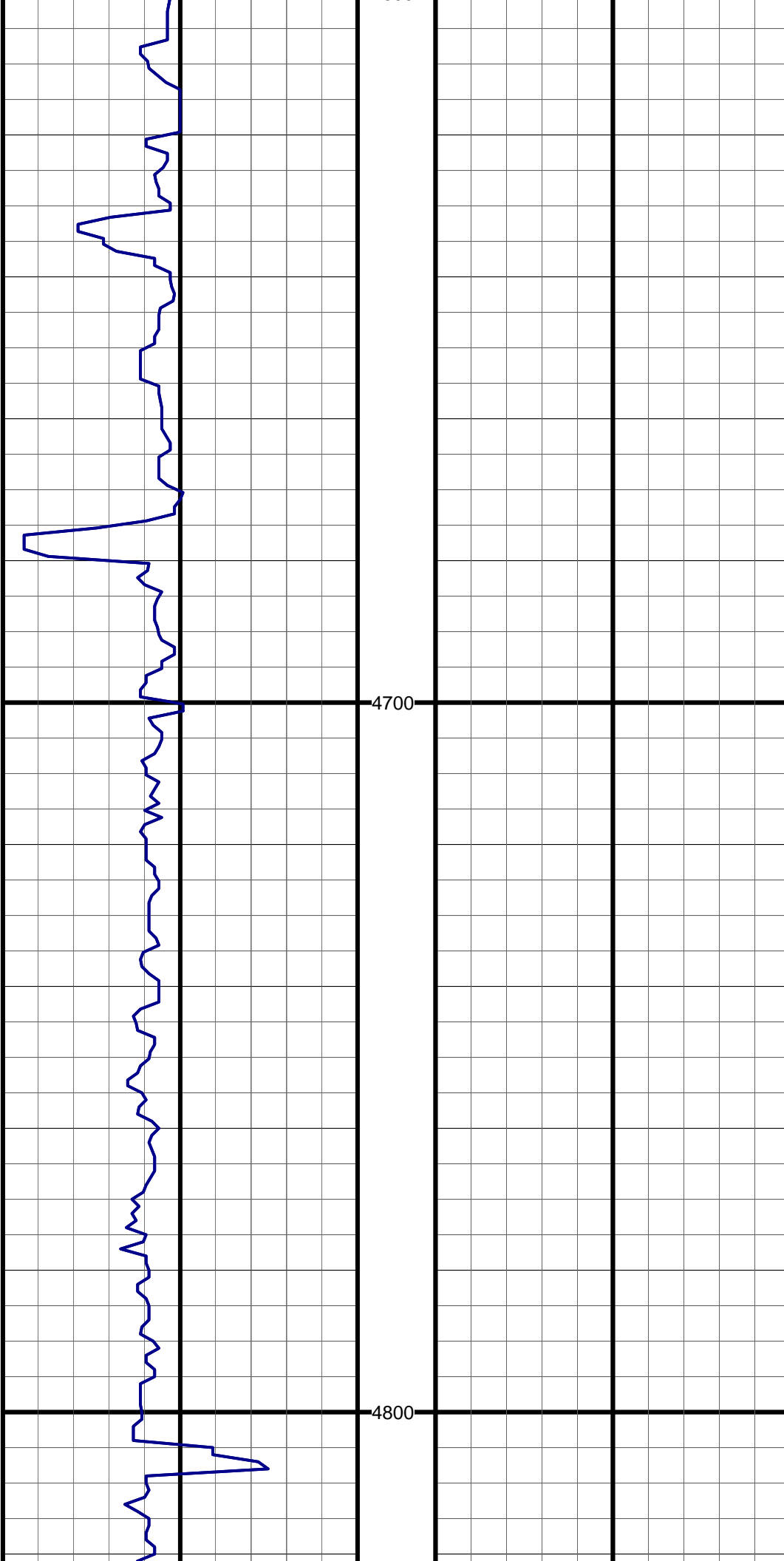
4400

4500

4600

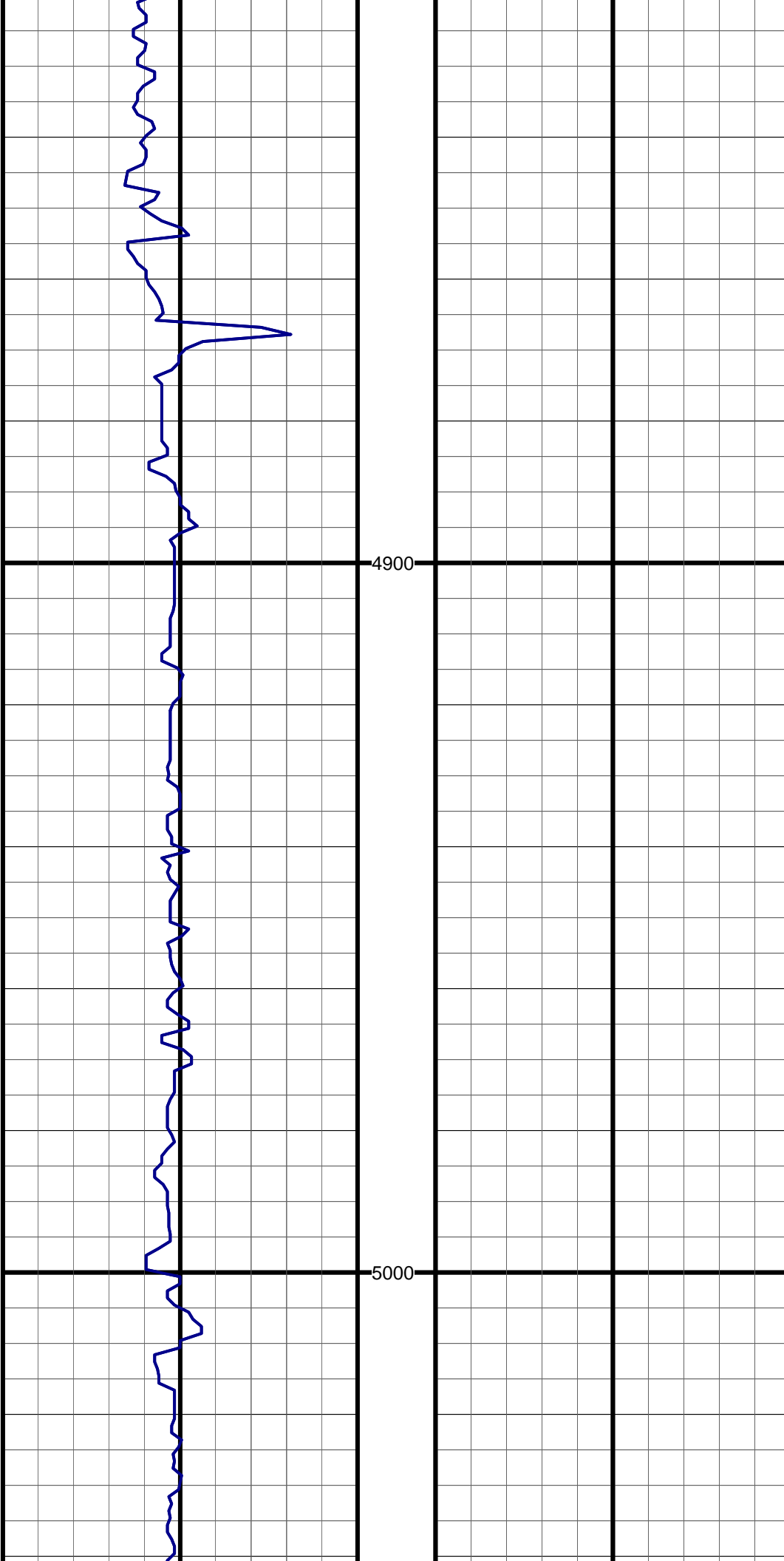
#40 TVD:4475.2 MD:4493.0 I:5.8 A:54.3 VS:-138.1

#41 TVD:4568.8 MD:4587.0 I:5.1 A:62.0 VS:-142.2



#42 TVD:4662.5 MD:4681.0 I:4.7 A:51.3 VS:-146.1

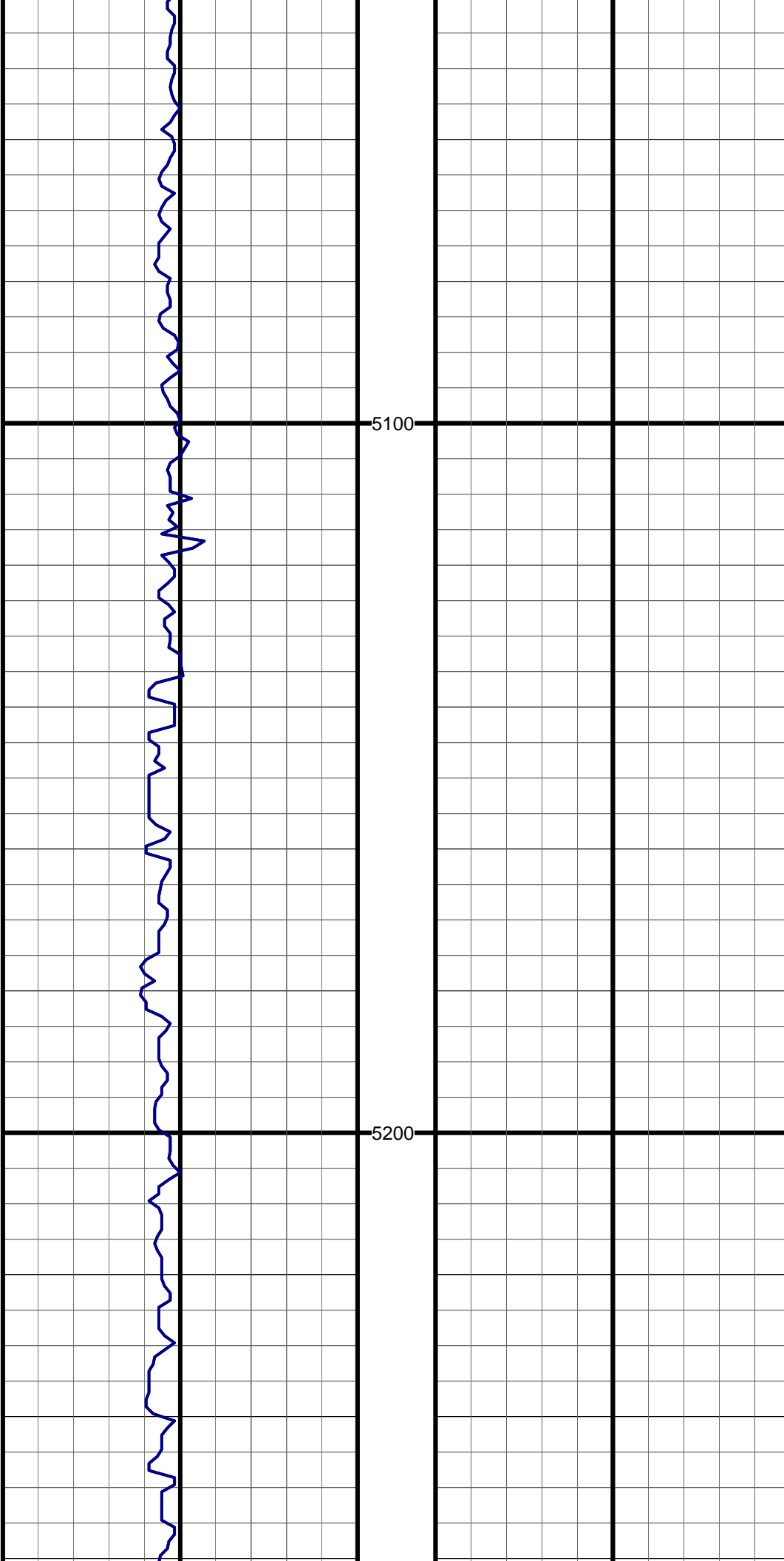
#43 TVD:4757.2 MD:4776.0 I:4.7 A:54.4 VS:-150.3



#44 TVD:4851.9 MD:4871.0 I:3.7 A:65.9 VS:-153.3

#45 TVD:4945.8 MD:4965.0 I:2.4 A:58.3 VS:-155.3

#46 TVD:5039.7 MD:5059.0 I:1.8 A:48.9 VS:-157.1

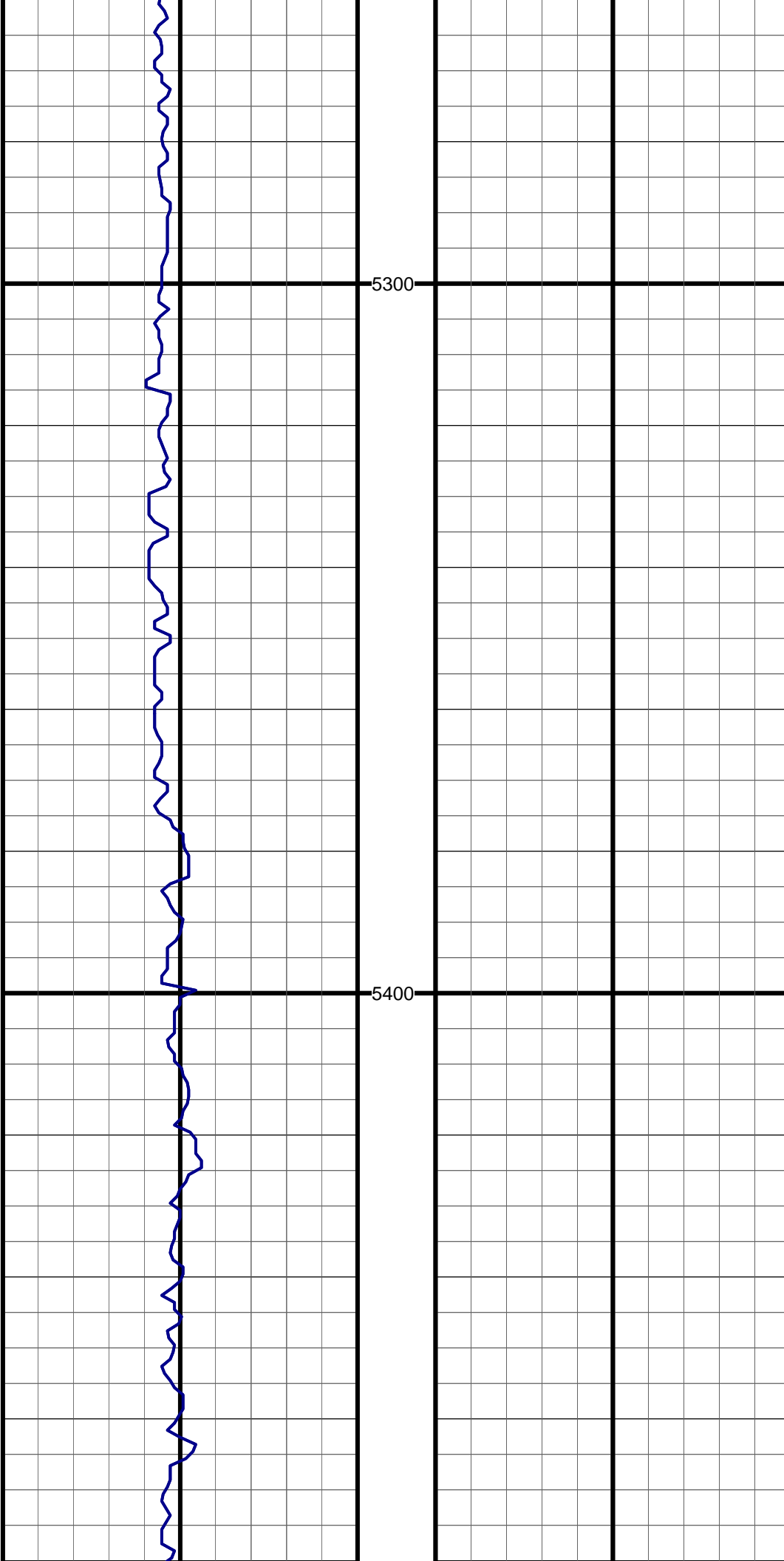


5100

#47 TVD:5134.7 MD:5154.0 I:1.2 A:29.0 VS:-158.8

5200

#48 TVD:5228.7 MD:5248.0 I:0.9 A:141.9 VS:-159.0

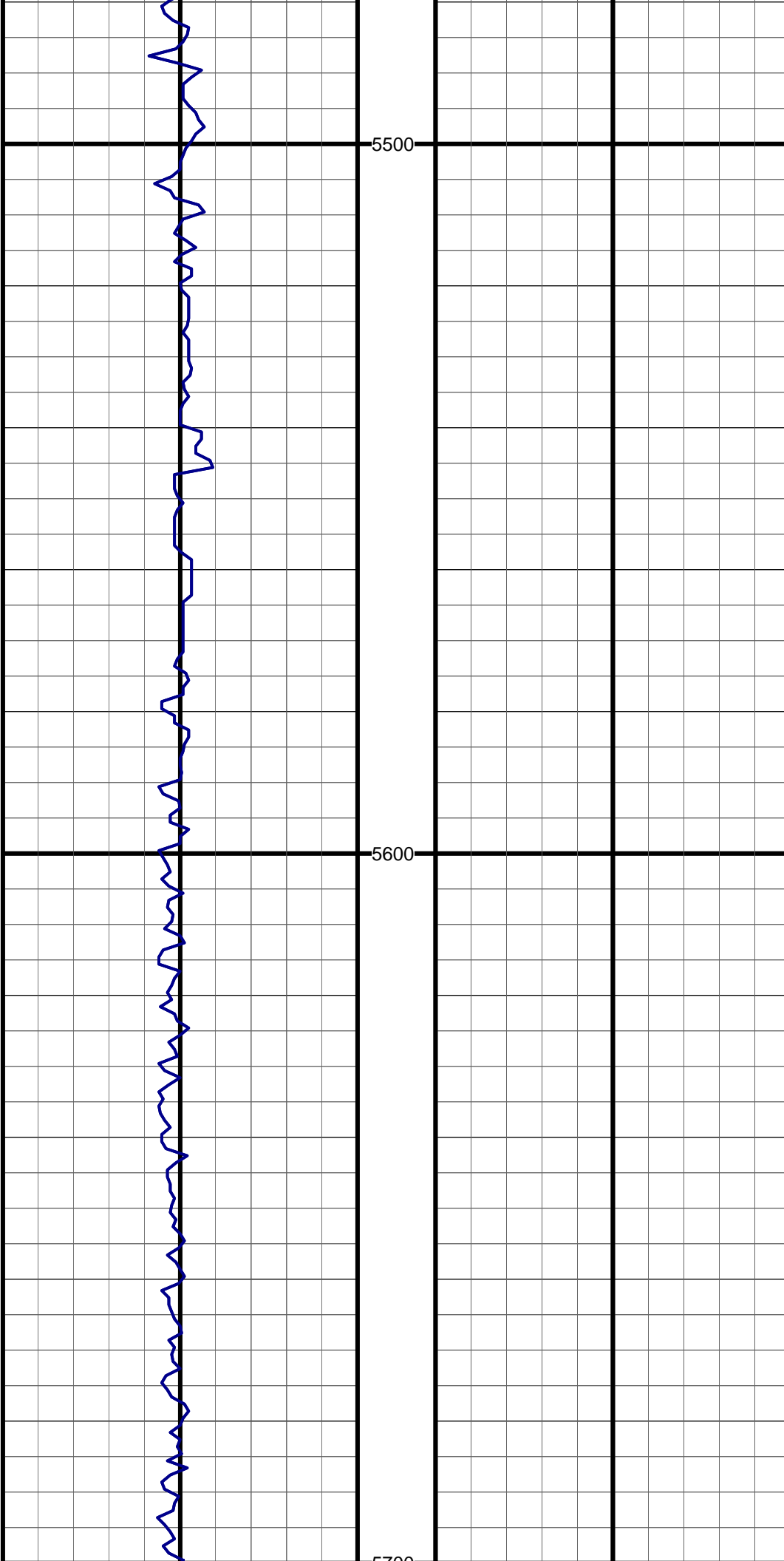


5300

#49 TVD:5323.7 MD:5343.0 I:0.8 A:163.8 VS:-157.7

5400

#50 TVD:5417.7 MD:5437.0 I:0.5 A:154.1 VS:-156.7



5500

#51 TVD:5512.7 MD:5532.0 I:0.1 A:41.3 VS:-156.4

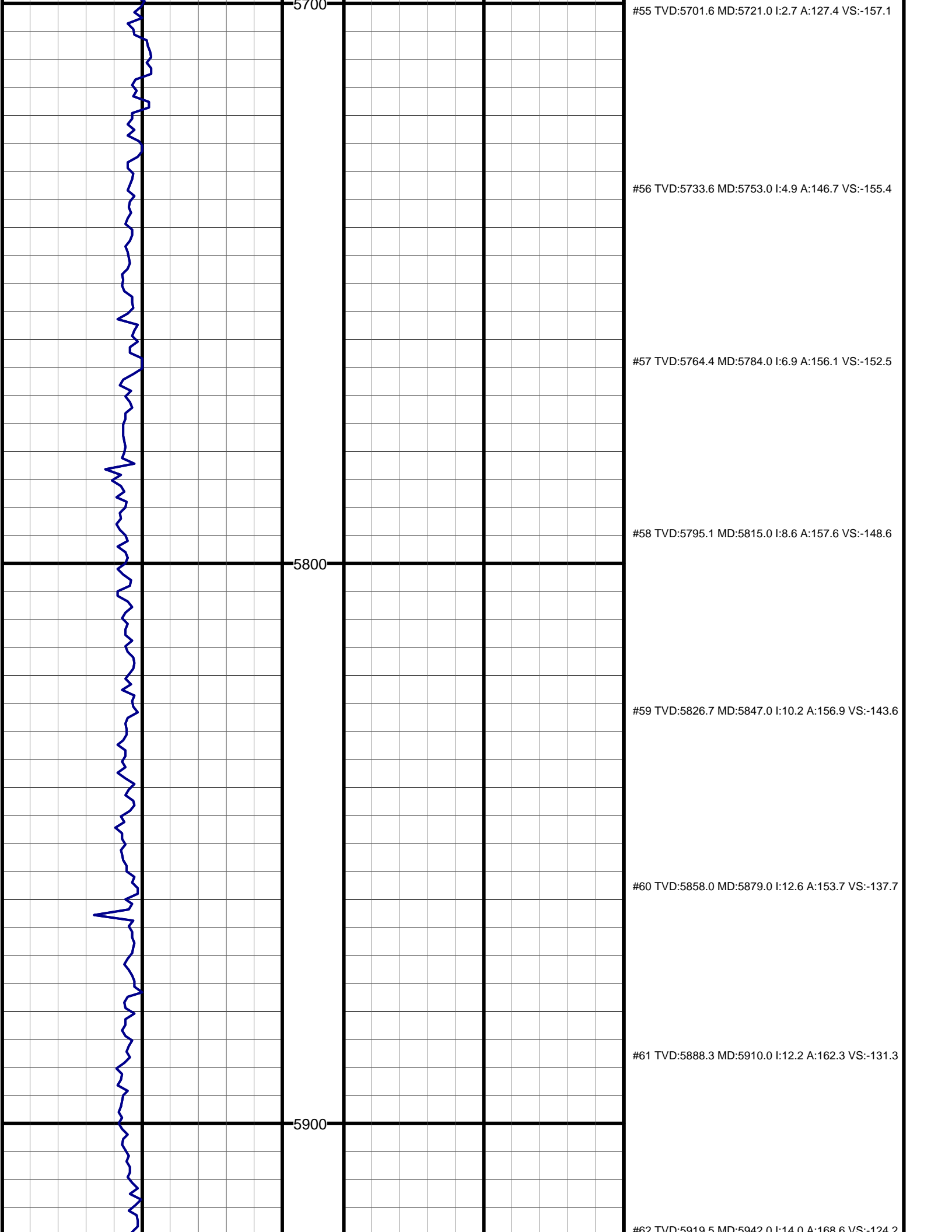
5600

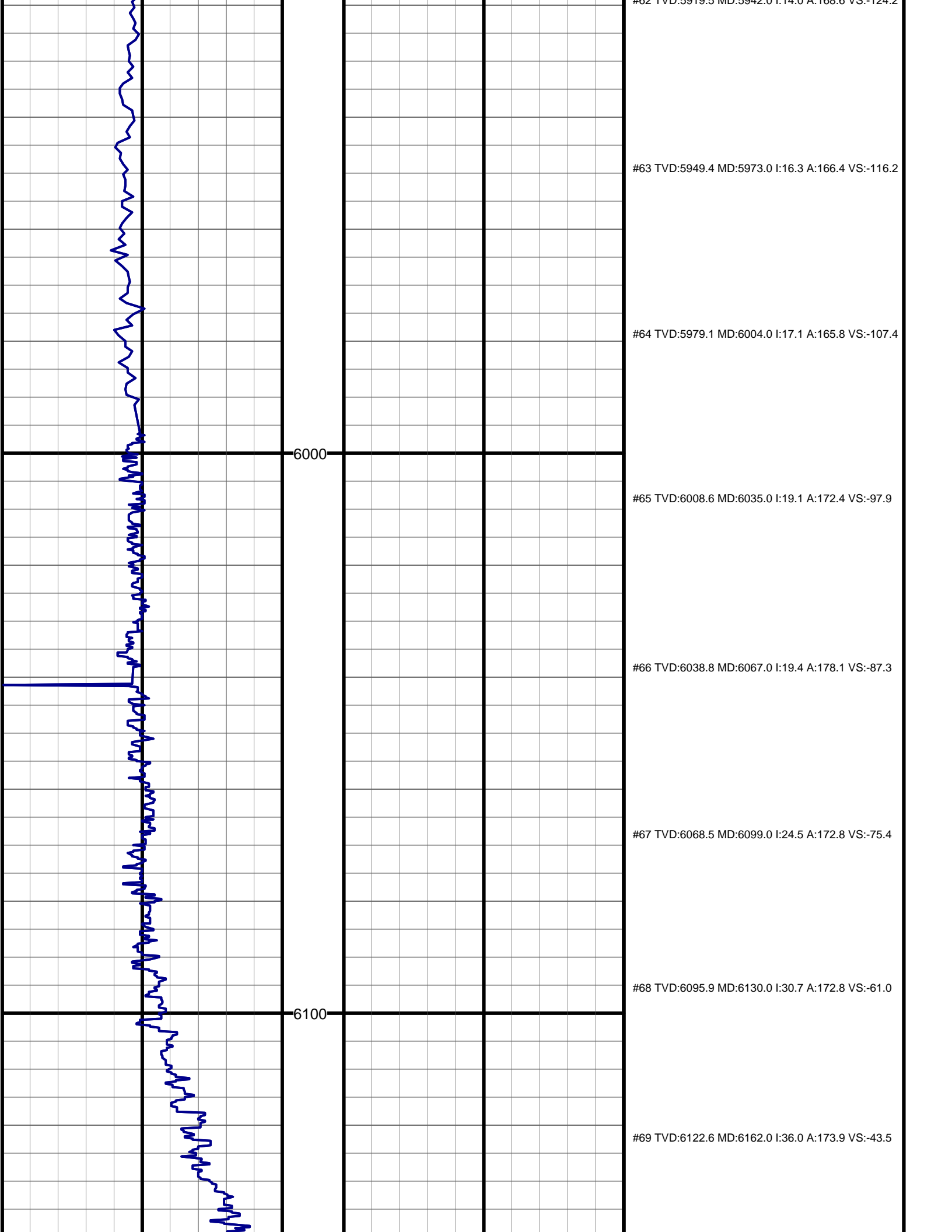
#52 TVD:5607.6 MD:5627.0 I:0.6 A:1.3 VS:-156.9

#53 TVD:5638.6 MD:5658.0 I:1.1 A:30.3 VS:-157.3

#54 TVD:5670.6 MD:5690.0 I:1.2 A:82.3 VS:-157.6

5700





#62 TVD:5919.3 MD:5942.0 I:14.0 A:166.8 VS:-124.2

#63 TVD:5949.4 MD:5973.0 I:16.3 A:166.4 VS:-116.2

#64 TVD:5979.1 MD:6004.0 I:17.1 A:165.8 VS:-107.4

6000

#65 TVD:6008.6 MD:6035.0 I:19.1 A:172.4 VS:-97.9

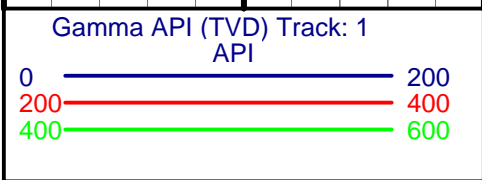
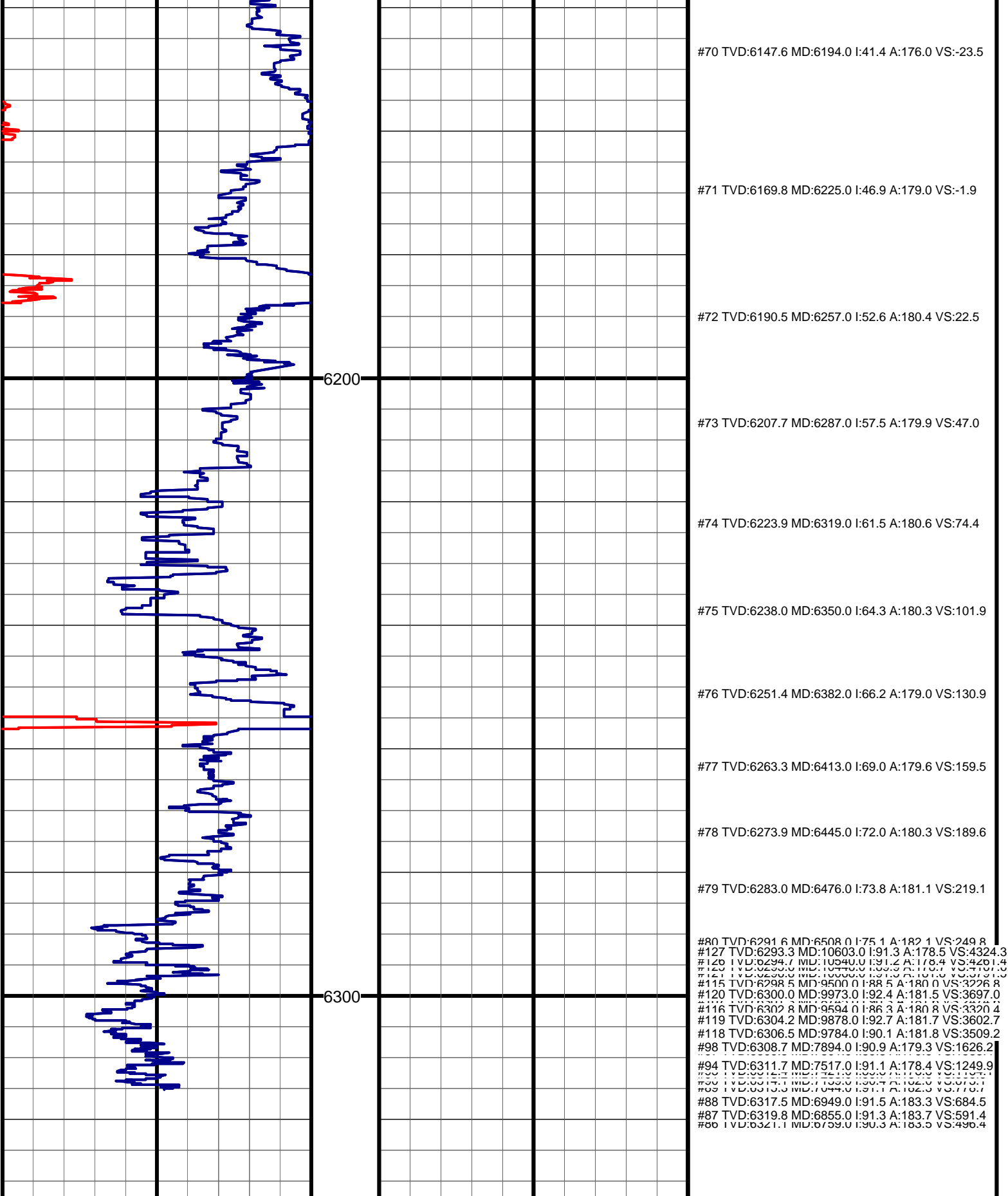
#66 TVD:6038.8 MD:6067.0 I:19.4 A:178.1 VS:-87.3

#67 TVD:6068.5 MD:6099.0 I:24.5 A:172.8 VS:-75.4

6100

#68 TVD:6095.9 MD:6130.0 I:30.7 A:172.8 VS:-61.0

#69 TVD:6122.6 MD:6162.0 I:36.0 A:173.9 VS:-43.5



Depth  
5":100' (100')

#70 TVD:6147.6 MD:6194.0 I:41.4 A:176.0 VS:-23.5  
#71 TVD:6169.8 MD:6225.0 I:46.9 A:179.0 VS:-1.9  
#72 TVD:6190.5 MD:6257.0 I:52.6 A:180.4 VS:22.5  
#73 TVD:6207.7 MD:6287.0 I:57.5 A:179.9 VS:47.0  
#74 TVD:6223.9 MD:6319.0 I:61.5 A:180.6 VS:74.4  
#75 TVD:6238.0 MD:6350.0 I:64.3 A:180.3 VS:101.9  
#76 TVD:6251.4 MD:6382.0 I:66.2 A:179.0 VS:130.9  
#77 TVD:6263.3 MD:6413.0 I:69.0 A:179.6 VS:159.5  
#78 TVD:6273.9 MD:6445.0 I:72.0 A:180.3 VS:189.6  
#79 TVD:6283.0 MD:6476.0 I:73.8 A:181.1 VS:219.1  
#80 TVD:6291.6 MD:6508.0 I:75.1 A:182.1 VS:249.8  
#127 TVD:6293.3 MD:10603.0 I:91.3 A:178.5 VS:4324.3  
#126 TVD:6294.7 MD:10540.0 I:91.2 A:178.4 VS:4261.4  
#125 TVD:6295.0 MD:10540.0 I:91.3 A:178.4 VS:4261.4  
#124 TVD:6295.0 MD:10540.0 I:91.3 A:178.4 VS:4261.4  
#115 TVD:6298.5 MD:9500.0 I:88.5 A:180.0 VS:3226.8  
#120 TVD:6300.0 MD:9973.0 I:92.4 A:181.5 VS:3697.0  
#116 TVD:6302.8 MD:9594.0 I:86.3 A:180.8 VS:3320.4  
#119 TVD:6304.2 MD:9878.0 I:92.7 A:181.7 VS:3602.7  
#118 TVD:6306.5 MD:9784.0 I:90.1 A:181.8 VS:3509.2  
#98 TVD:6308.7 MD:7894.0 I:90.9 A:179.3 VS:1626.2  
#94 TVD:6311.7 MD:7517.0 I:91.1 A:178.4 VS:1249.9  
#93 TVD:6312.7 MD:7533.0 I:90.7 A:182.9 VS:1197.1  
#92 TVD:6313.0 MD:7533.0 I:90.7 A:182.9 VS:1197.1  
#88 TVD:6317.5 MD:6949.0 I:91.5 A:183.3 VS:684.5  
#87 TVD:6319.8 MD:6855.0 I:91.3 A:183.7 VS:591.4  
#86 TVD:6321.1 MD:6759.0 I:90.3 A:183.5 VS:496.4

