

PRO DIRECTIONAL

5 INCH MD Gamma Ray Log (Scale: 5":100' (10"))

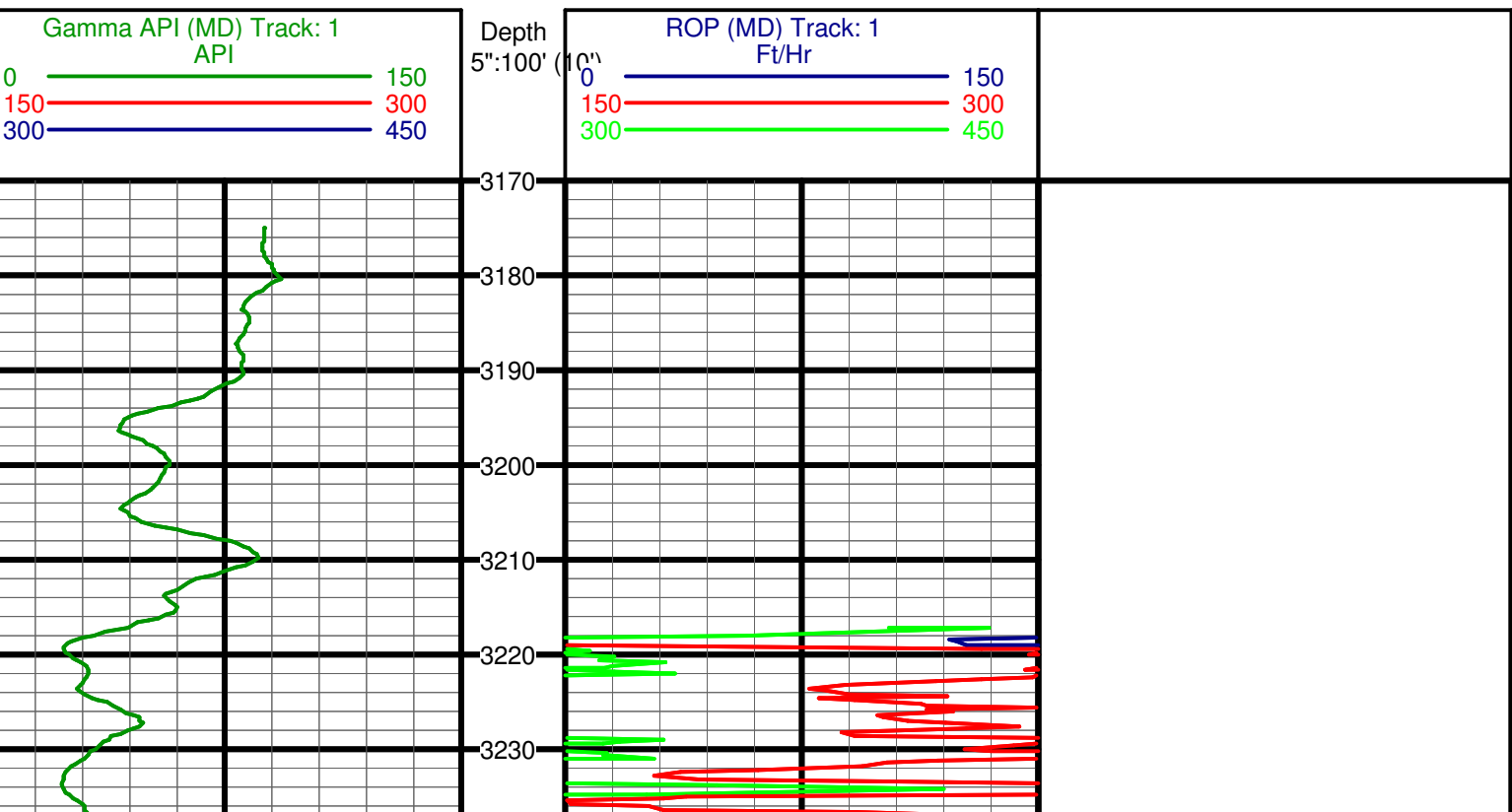
Company: Tapstone Energy
 Well: Jones 6-35-8 1H
 Field: Mississippi Lime
 Well ID: 15-077-22128-01
 Job Number: LKS6117115

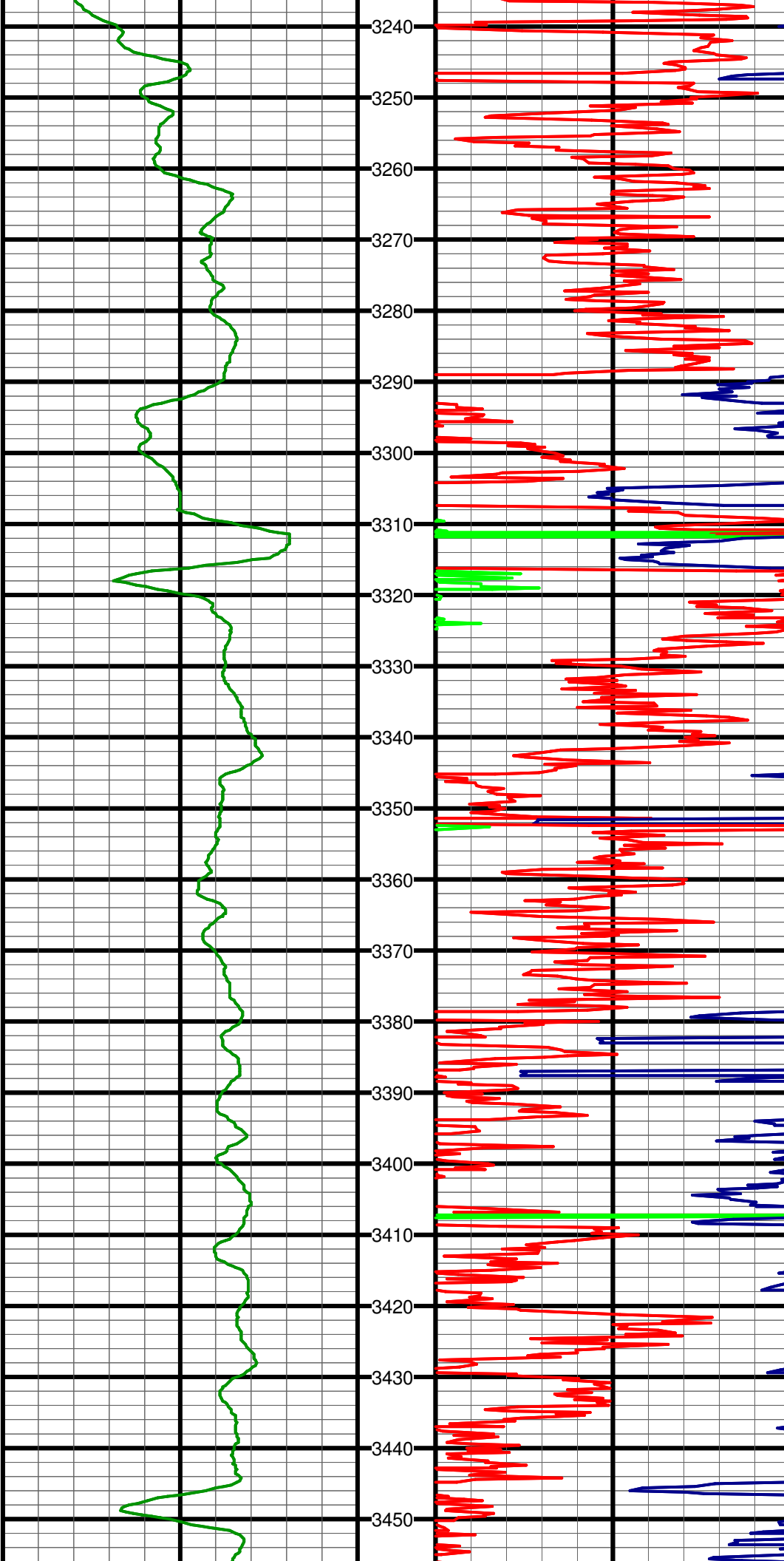
State: KS
 County: Harper
 Country: USA

Location: Sec. 7-T35S-R8W
 Operator 1: Ken Mitchell
 Operator 2: Brandon McClellan
 Elev KB: 22' + 1,230' = 1,252'
 Elev DF: 1,252'
 Elev GL: 1,230'

Comment 1: LAT 37° 1' 15.126 N / LONG 98° 13' 12.965 W
 Comment 2: Y: 129095.00 / X: 2081675.00
 Comment 3: Mud Density (lb/bbl): 8.4/ Funnel Viscosity (sec/qt): 27
 Comment 4: Flowline Temp (DegF): ° / HTHP Filtrate (ml/30 min): 99
 Comment 5: Max Temp (DegF): 160° (NAD 1927) Gamma Ray in Reference to Elev KB (Kansas South 1502)

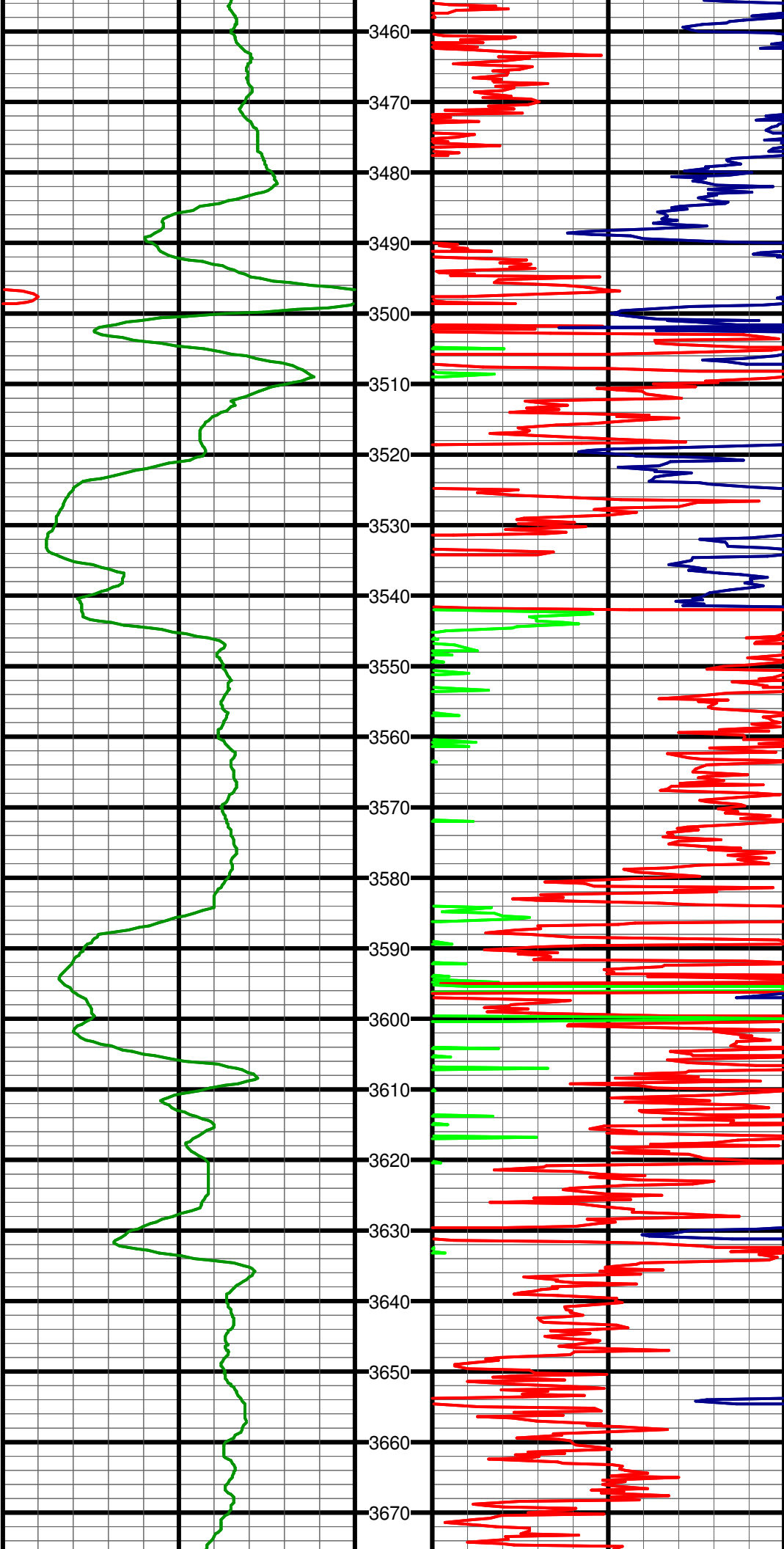
Hole Data		Casing Record			
Size	From	To	Size	From	To
12 1/4	0'	803'	9 5/8	0'	803'
8 3/4	803'	5,251'	7"	0'	5,521'
6 1/8	5,251'				
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	1004/3868	2586	1989	2586	
Cal Factor	4.19	2.81	2.81	2.81	
Gamma Offset	42'	40'	40'	40'	
Start Depth	3,175'	5,210'	6,943'	9,166'	
Start Date	02/13/2015	02/16/2015	02/19/2015	02/22/2015	
Start Time	06:34	20:20	1:18	10:13	
End Depth	5,210'	6,943'	9,166'	9,499'	
End Date	02/15/2015	02/18/2015	02/21/2015	02/22/2015	
End Time	9:07	13:18	18:51	23:28	



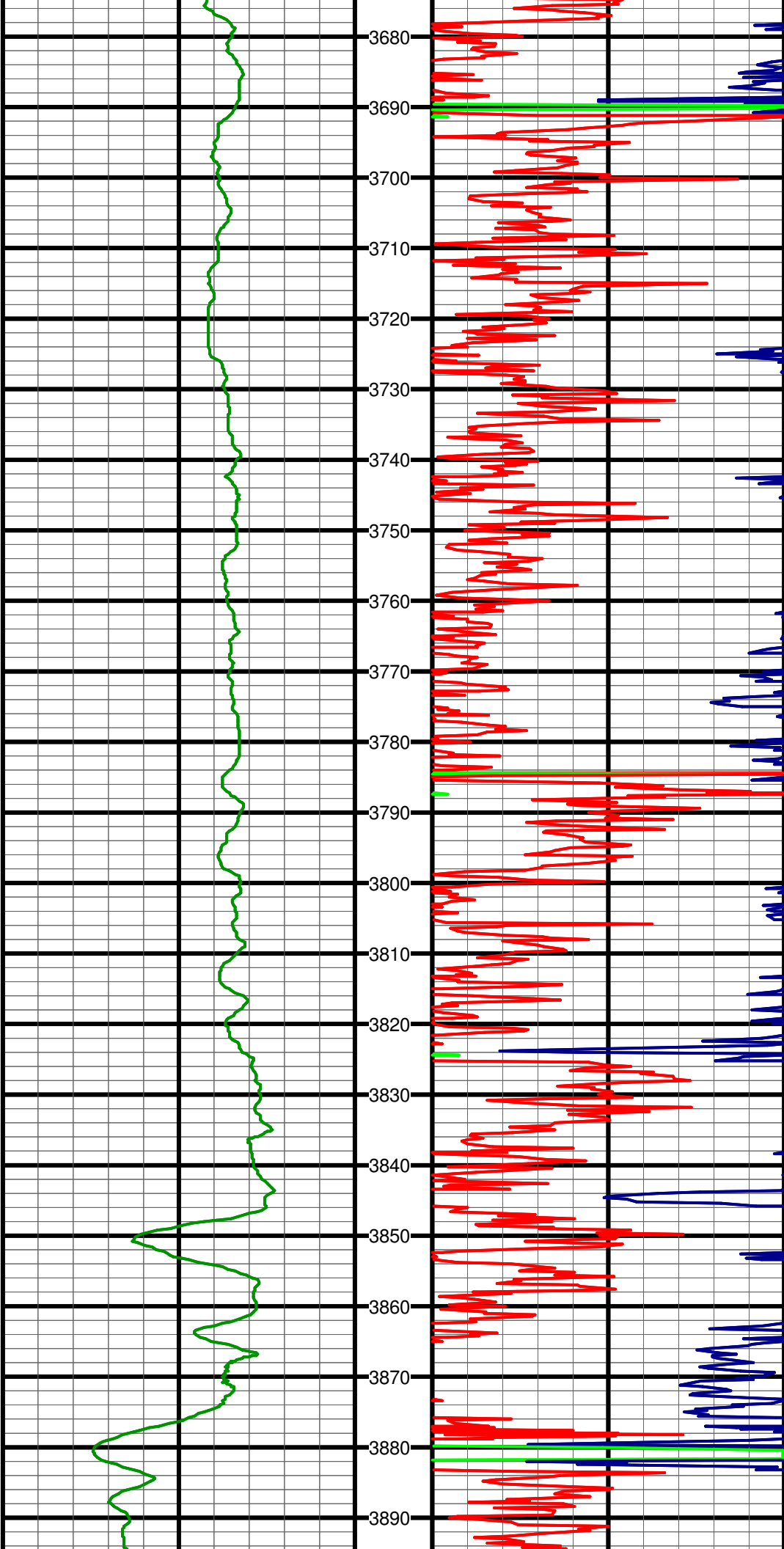


#14 MD:3264.0 TVD:3263.8 I:1.1 A:66.4 VS:1.0

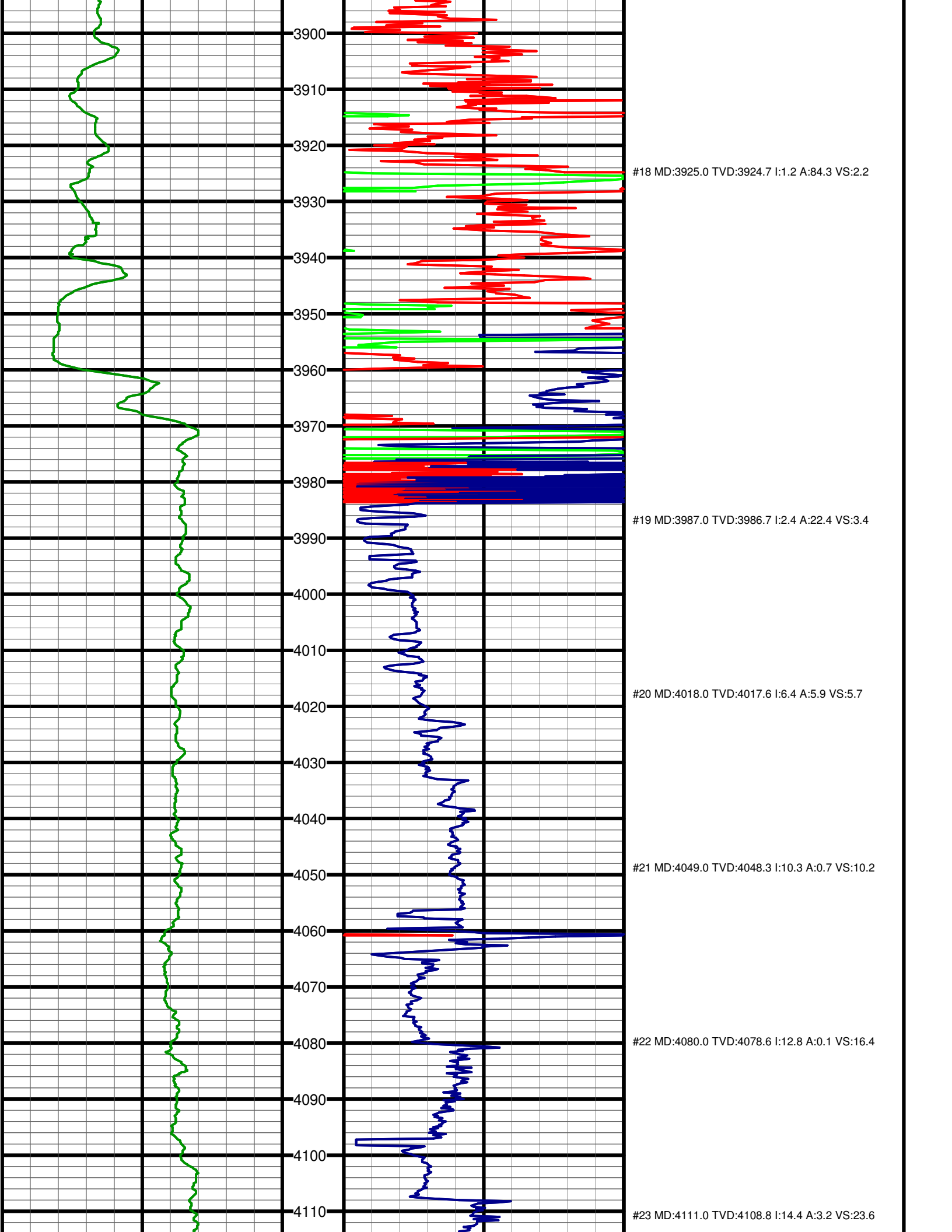
#15 MD:3455.0 TVD:3454.8 I:0.5 A:66.7 VS:2.0

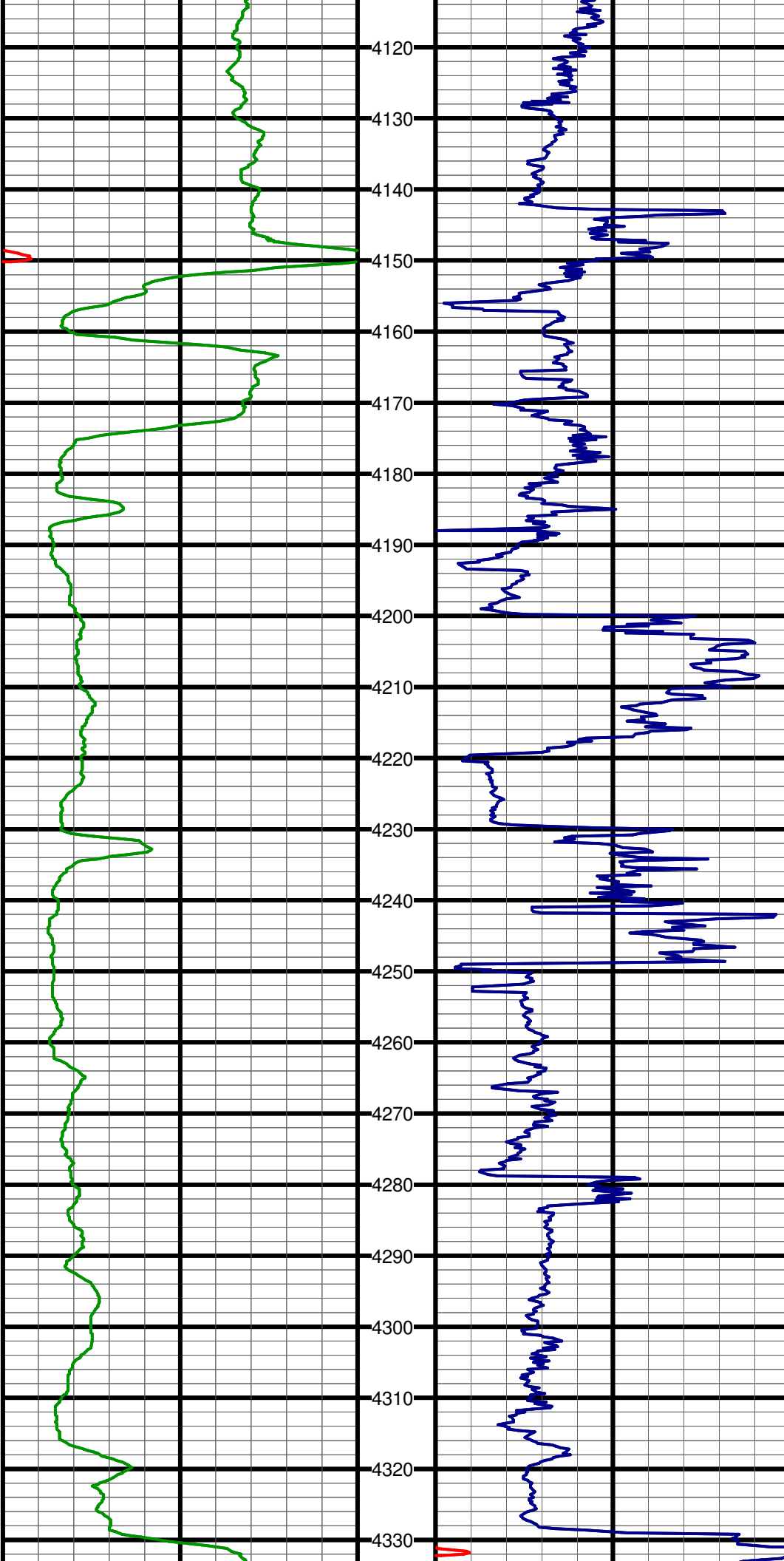


#16 MD:3643.0 TVD:3642.8 I:0.9 A:92.0 VS:2.2



#17 MD:3831.0 TVD:3830.7 I:1.3 A:88.1 VS:2.1





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#24 MD:4142.0 TVD:4138.7 I:16.2 A:4.1 VS:31.8

#25 MD:4173.0 TVD:4168.3 I:17.8 A:2.7 VS:40.8

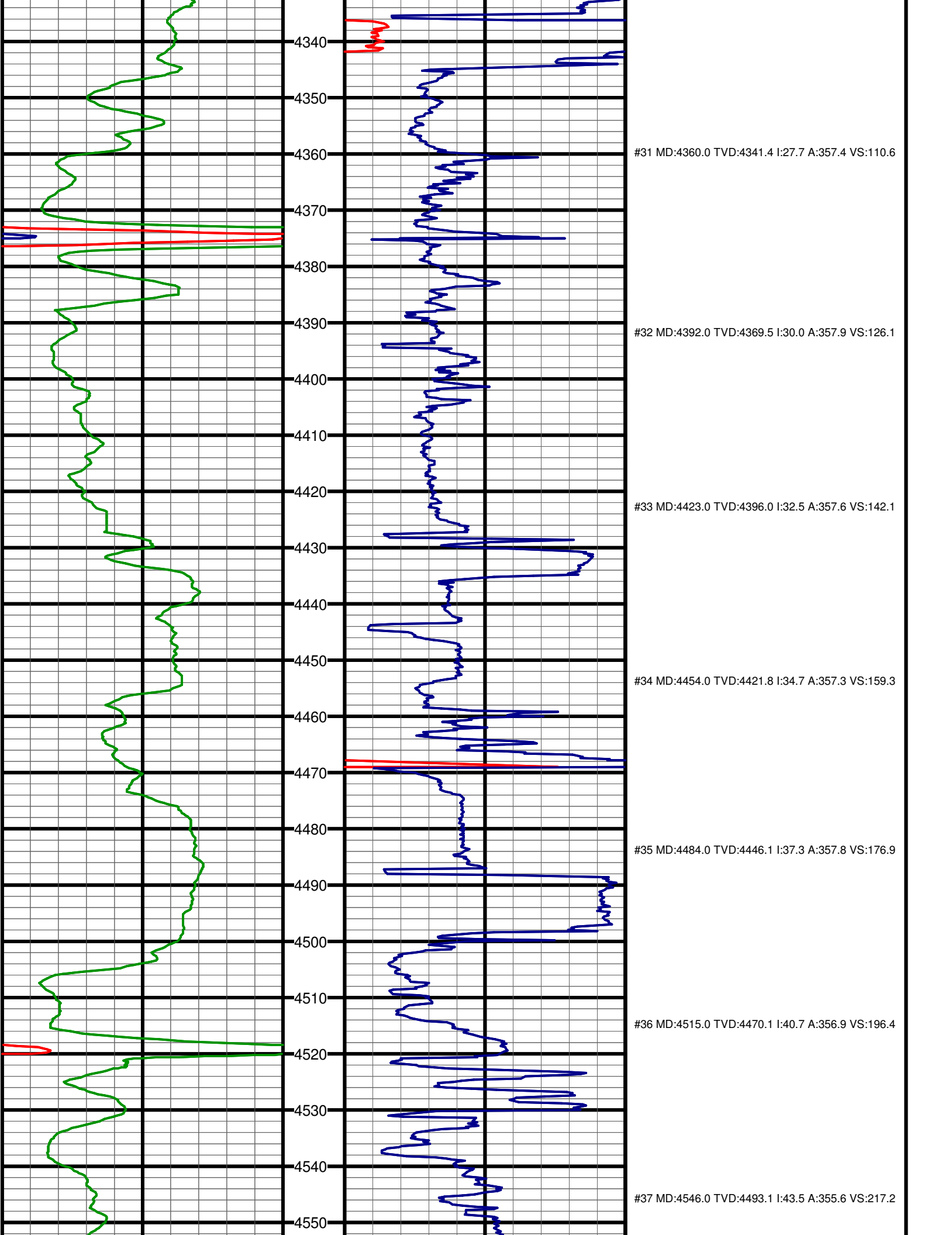
#26 MD:4204.0 TVD:4197.8 I:18.2 A:1.5 VS:50.3

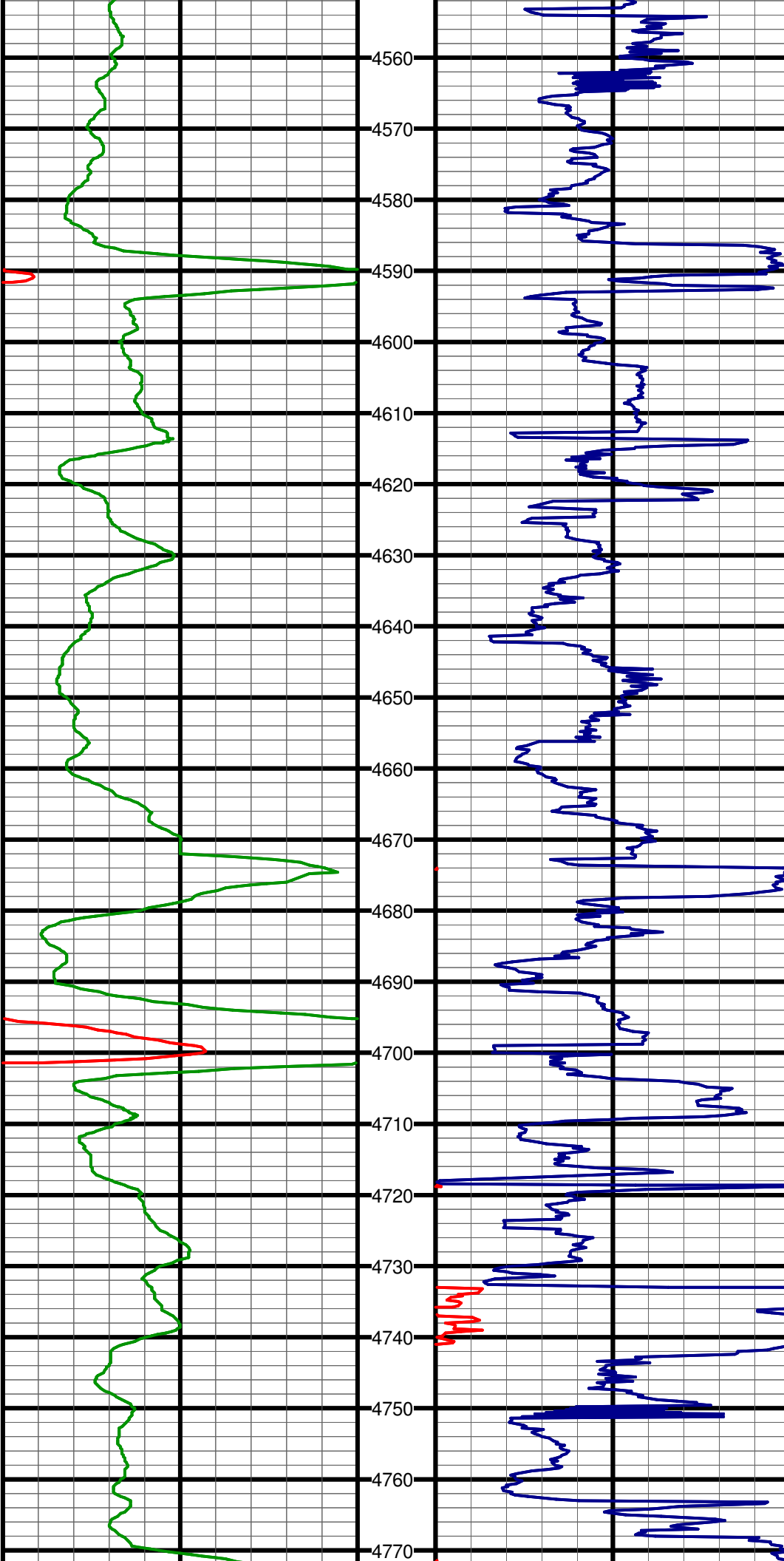
#27 MD:4236.0 TVD:4228.1 I:19.4 A:358.1 VS:60.6

#28 MD:4267.0 TVD:4257.1 I:21.5 A:358.0 VS:71.5

#29 MD:4298.0 TVD:4285.7 I:24.2 A:357.9 VS:83.5

#30 MD:4329.0 TVD:4313.8 I:25.9 A:357.2 VS:96.6





#38 MD:4577.0 TVD:4515.1 I:46.3 A:354.7 VS:239.0

#39 MD:4609.0 TVD:4536.6 I:49.3 A:355.1 VS:262.7

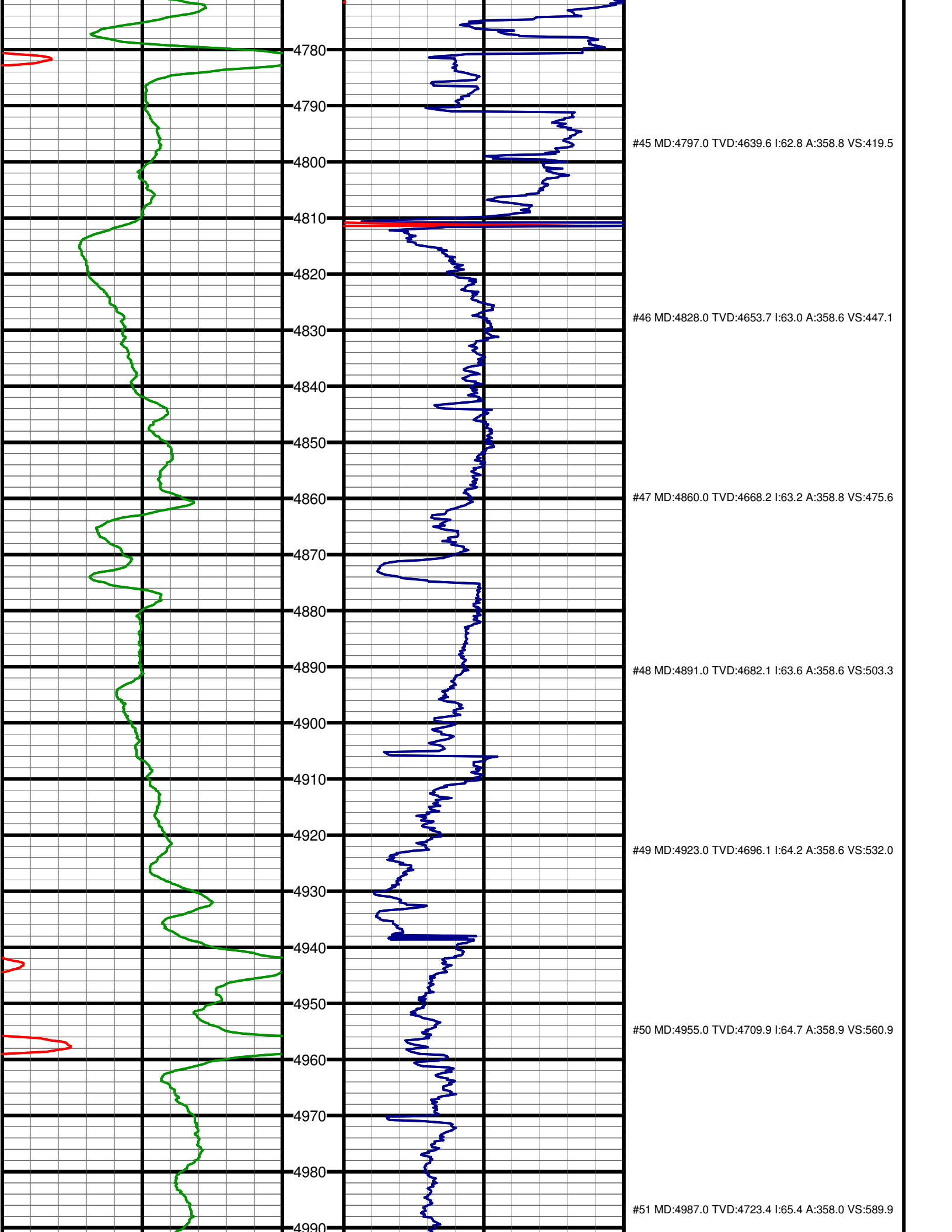
#40 MD:4640.0 TVD:4556.1 I:52.5 A:356.8 VS:286.8

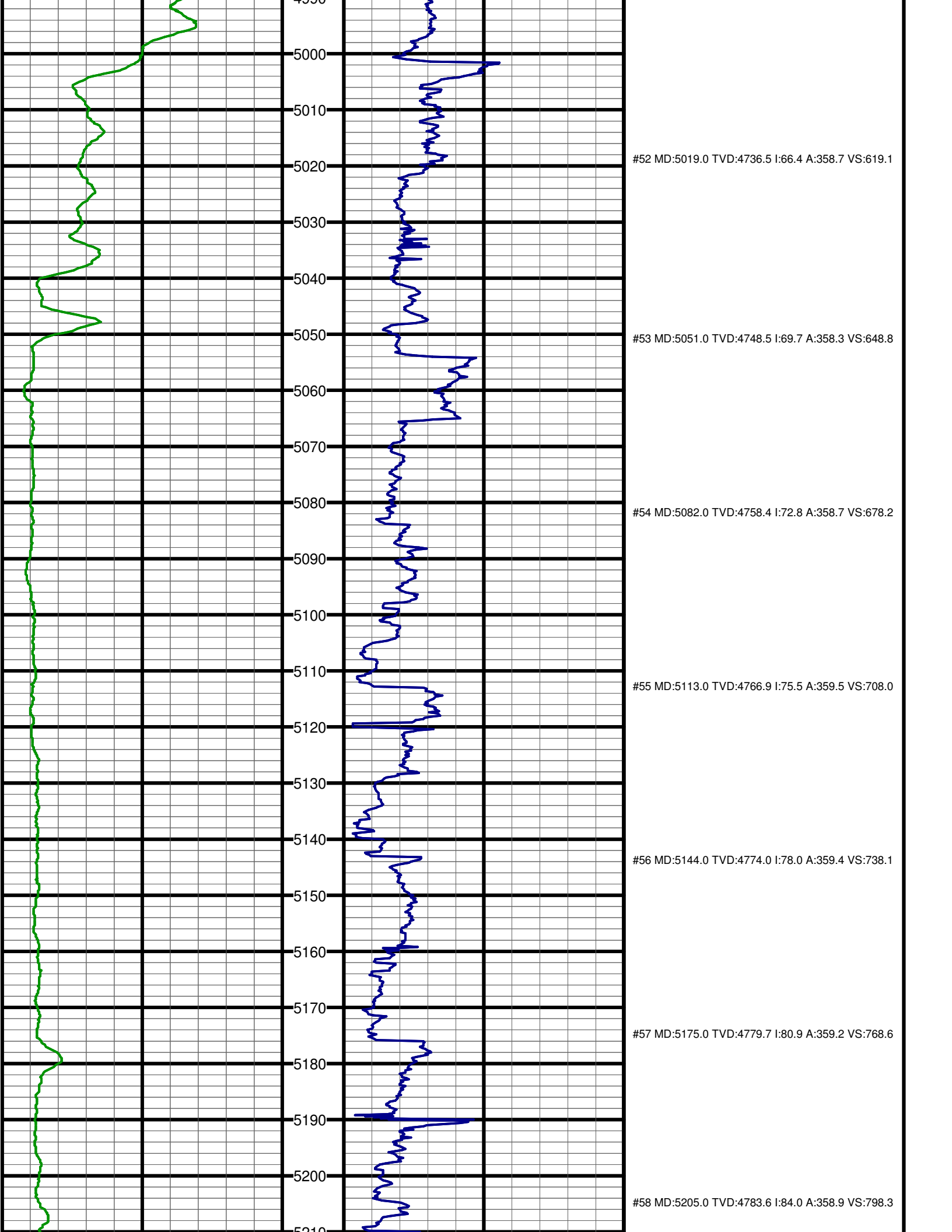
#41 MD:4671.0 TVD:4574.5 I:54.7 A:359.5 VS:311.7

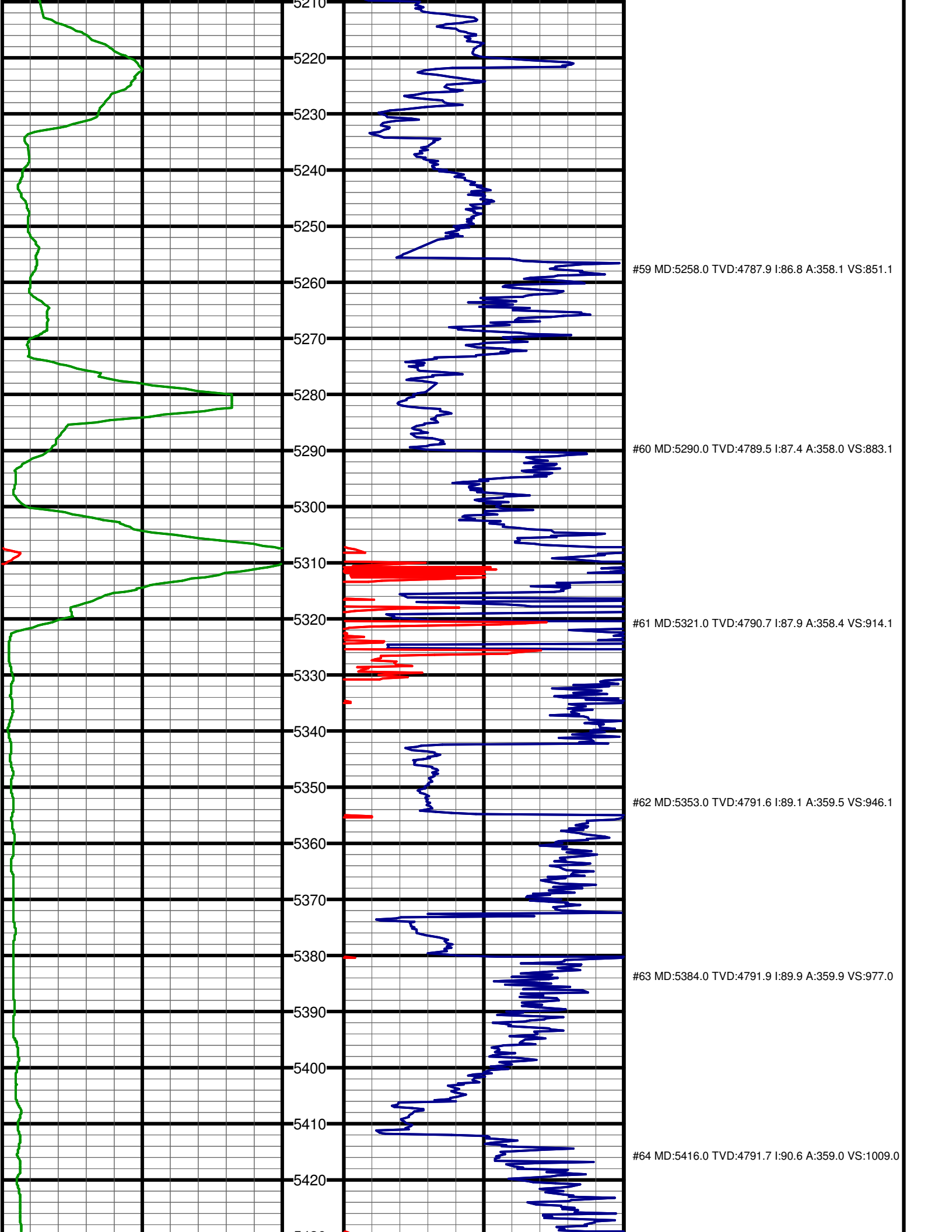
#42 MD:4703.0 TVD:4592.6 I:56.8 A:359.8 VS:338.1

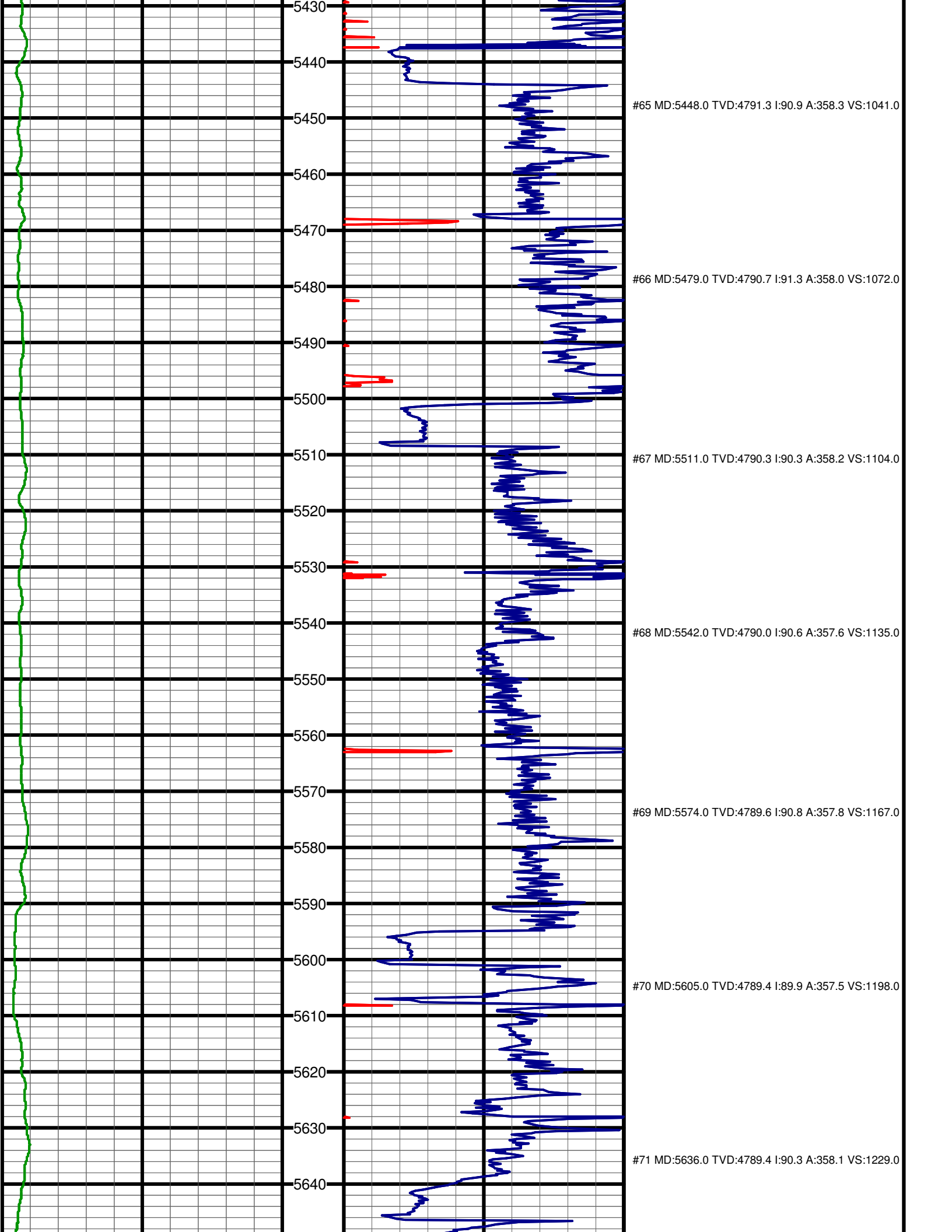
#43 MD:4734.0 TVD:4609.0 I:58.9 A:359.2 VS:364.4

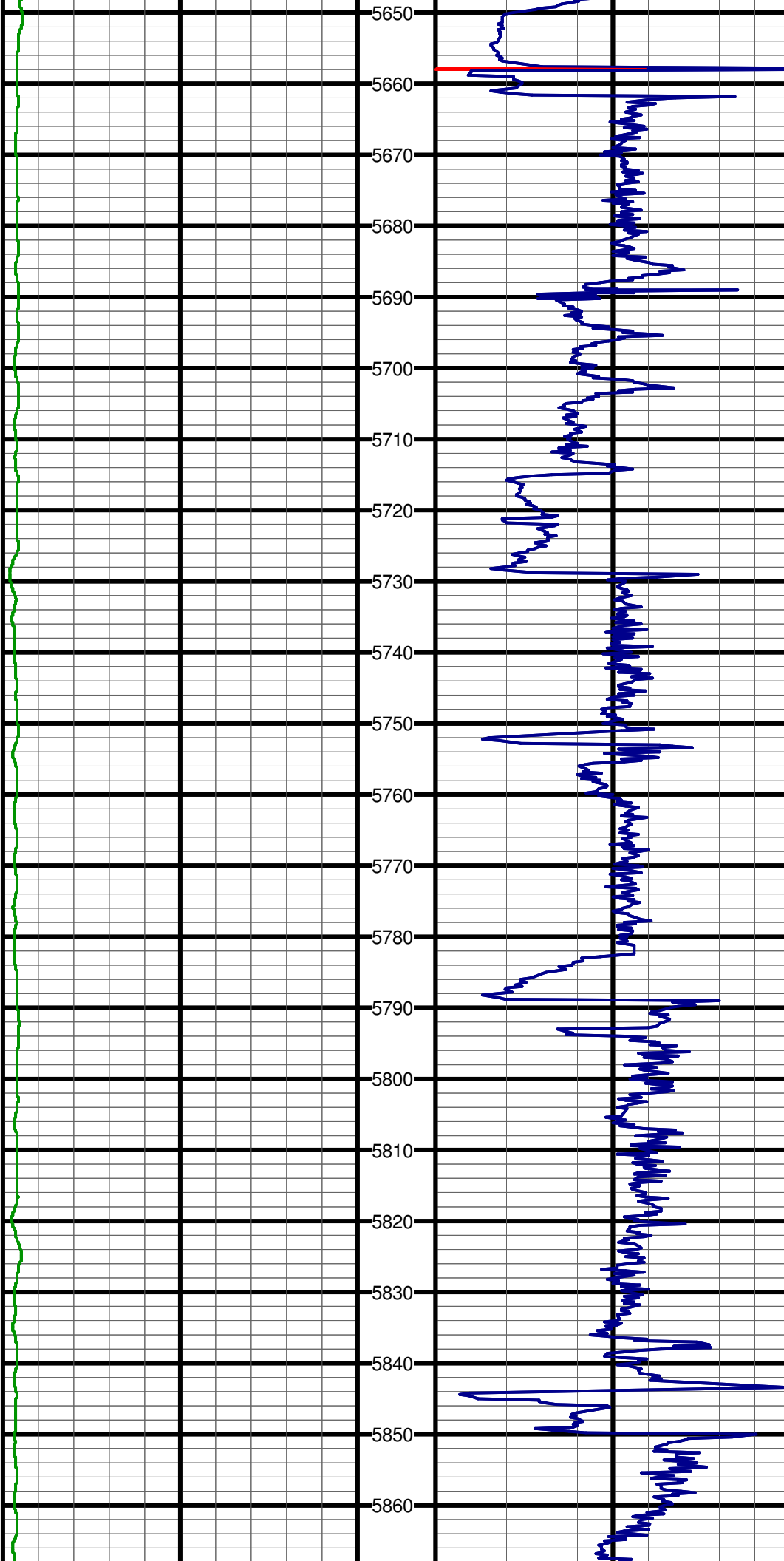
#44 MD:4766.0 TVD:4625.0 I:61.2 A:358.7 VS:392.1











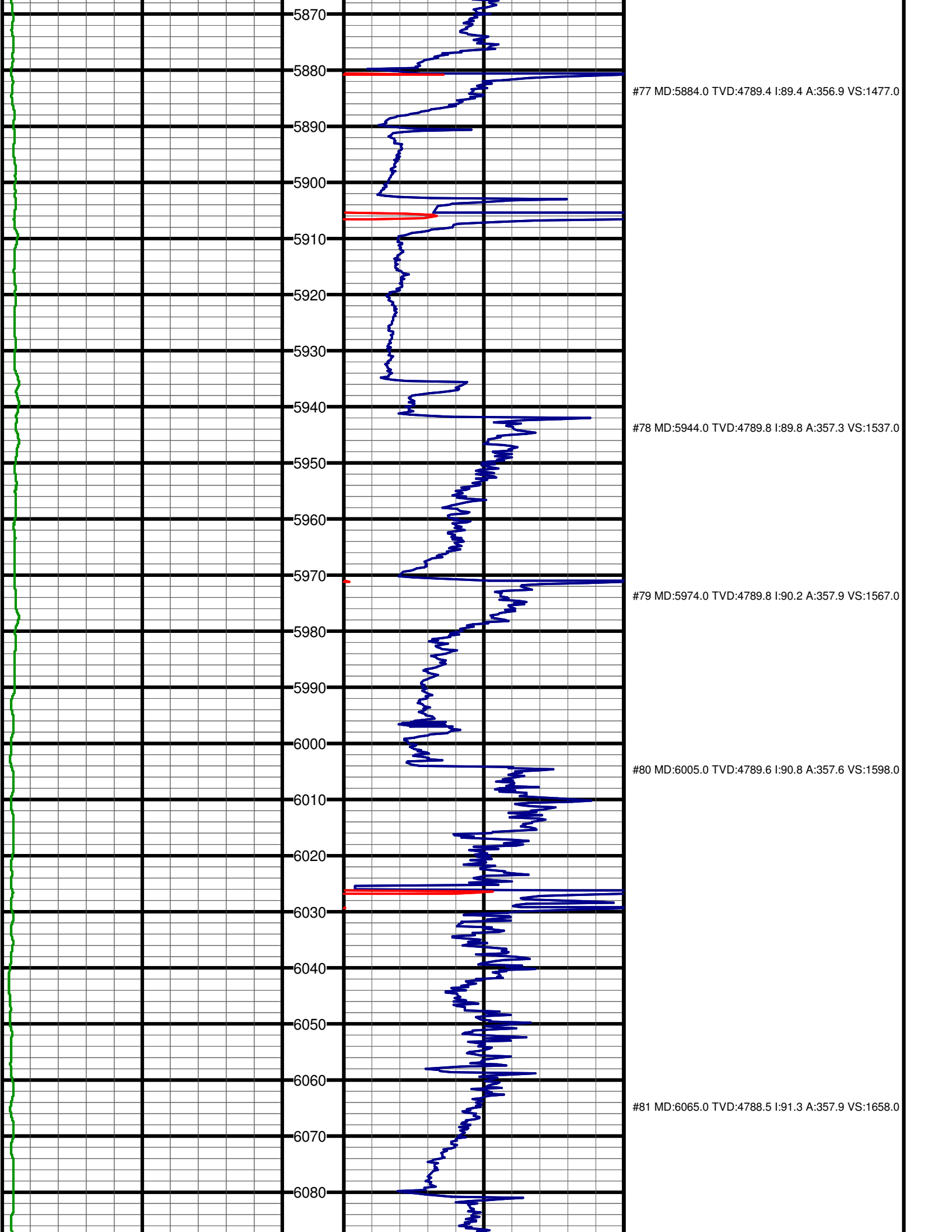
#72 MD:5668.0 TVD:4789.2 I:90.5 A:358.0 VS:1261.0

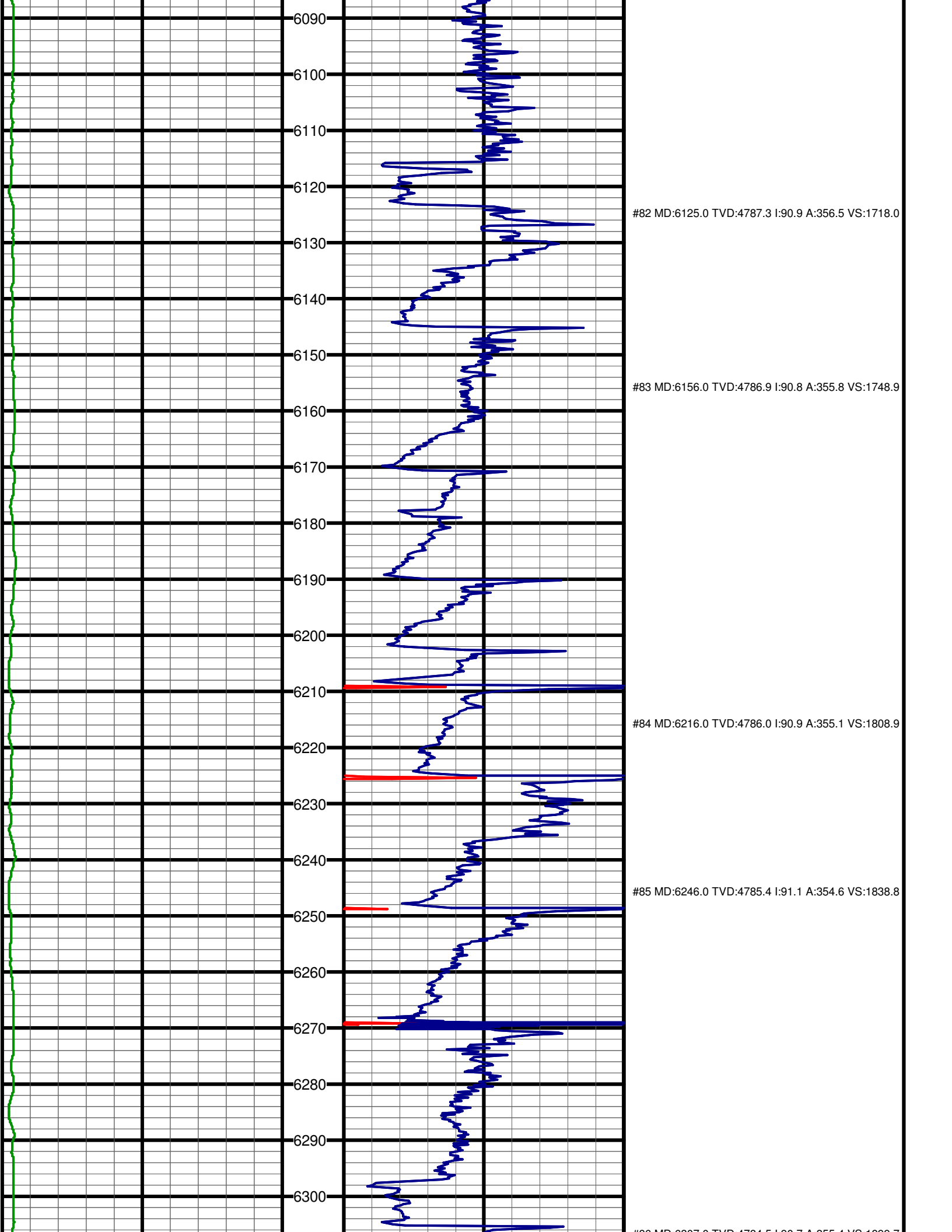
#73 MD:5699.0 TVD:4788.8 I:90.8 A:358.0 VS:1292.0

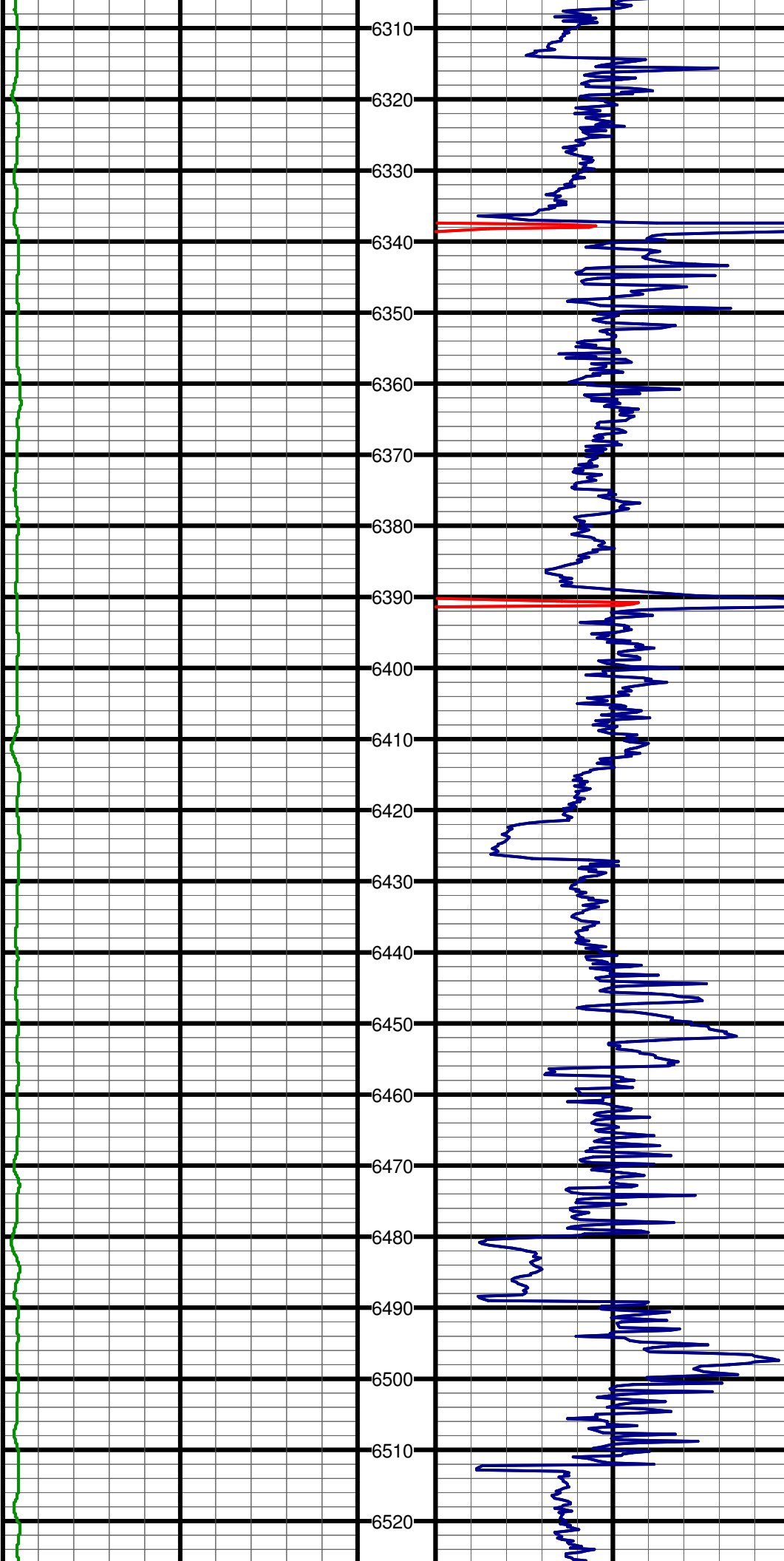
#74 MD:5730.0 TVD:4788.6 I:90.0 A:358.3 VS:1323.0

#75 MD:5792.0 TVD:4788.6 I:89.9 A:358.0 VS:1385.0

#76 MD:5853.0 TVD:4789.1 I:89.3 A:357.2 VS:1446.0







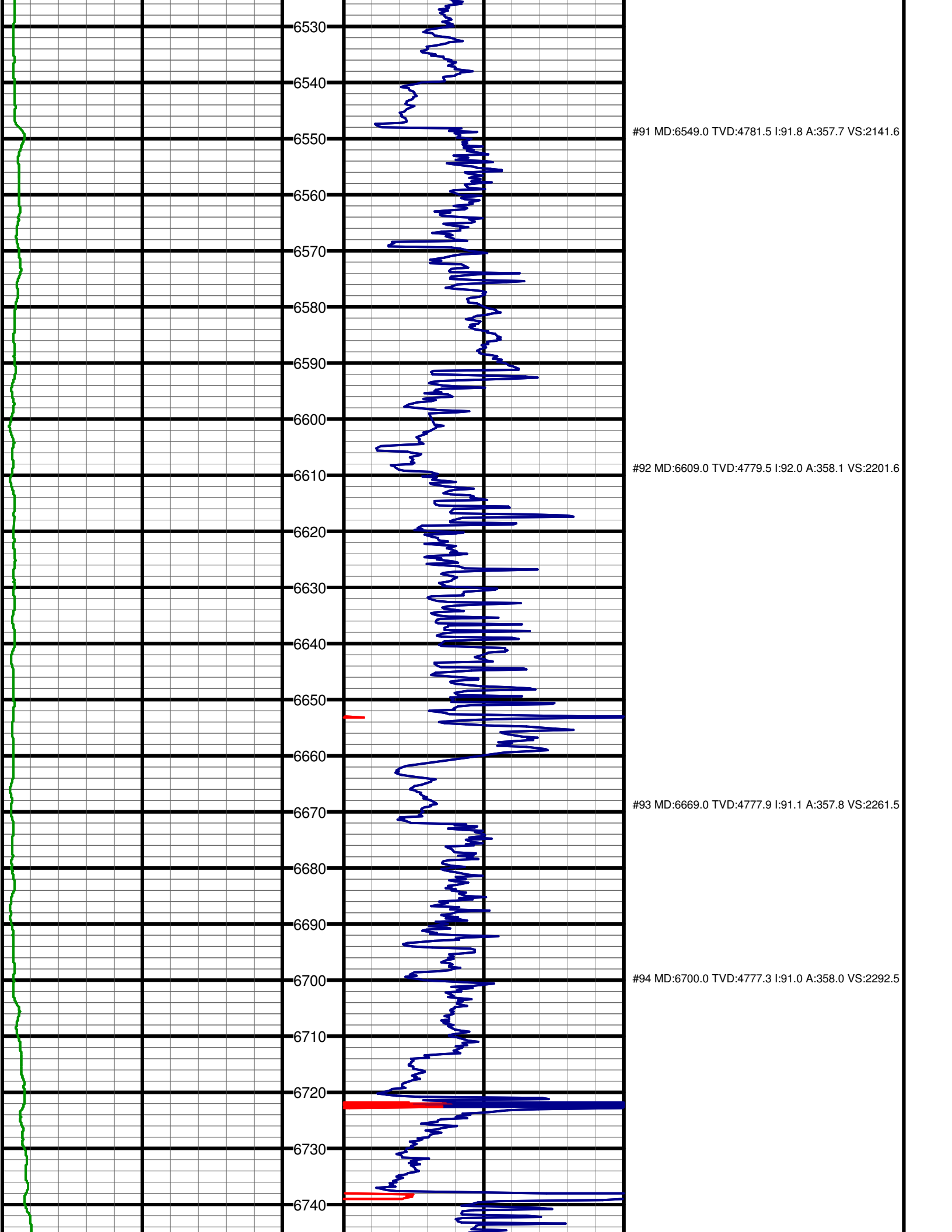
#86 MD:6307.0 TVD:4784.5 I:90.7 A:355.4 VS:1899.7

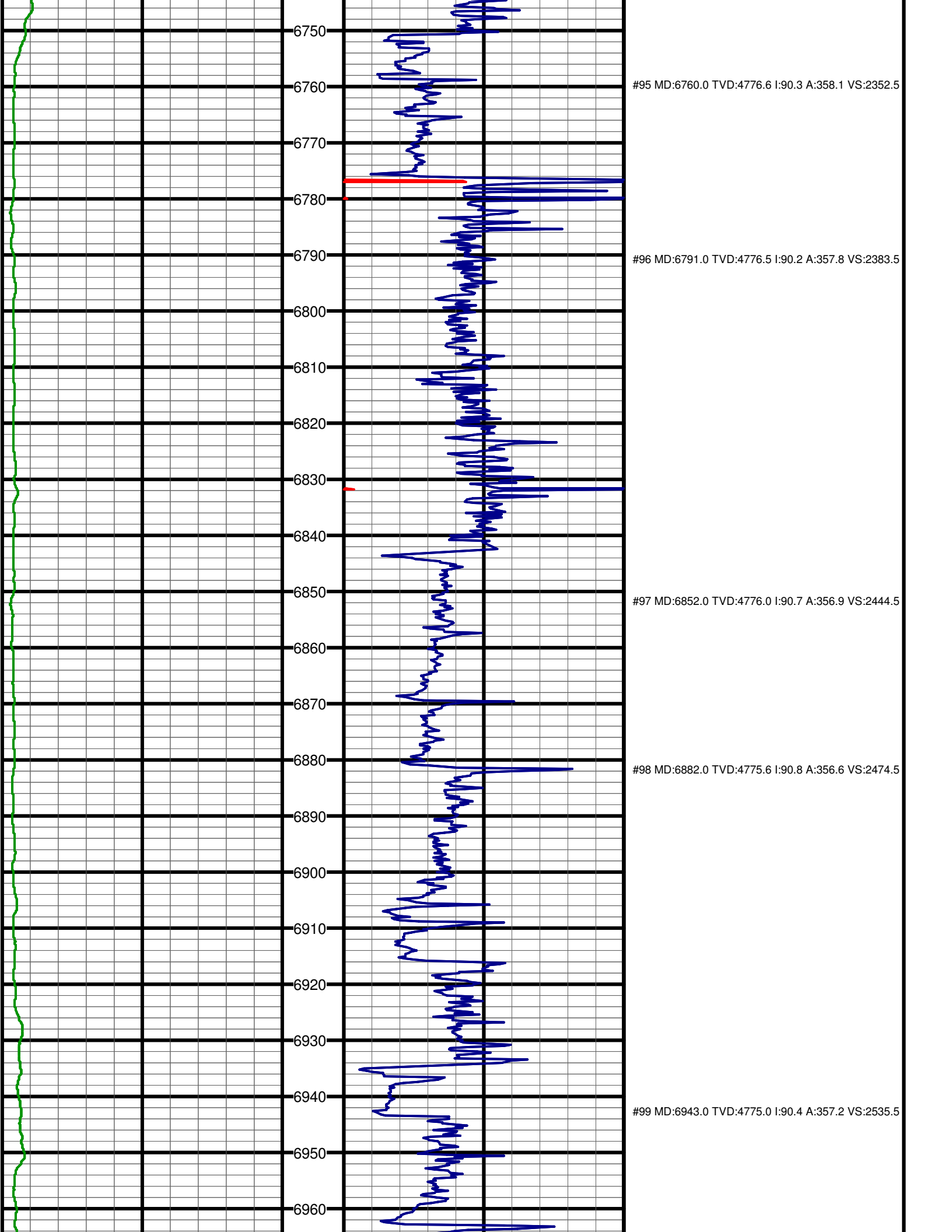
#87 MD:6337.0 TVD:4784.1 I:90.6 A:355.4 VS:1929.7

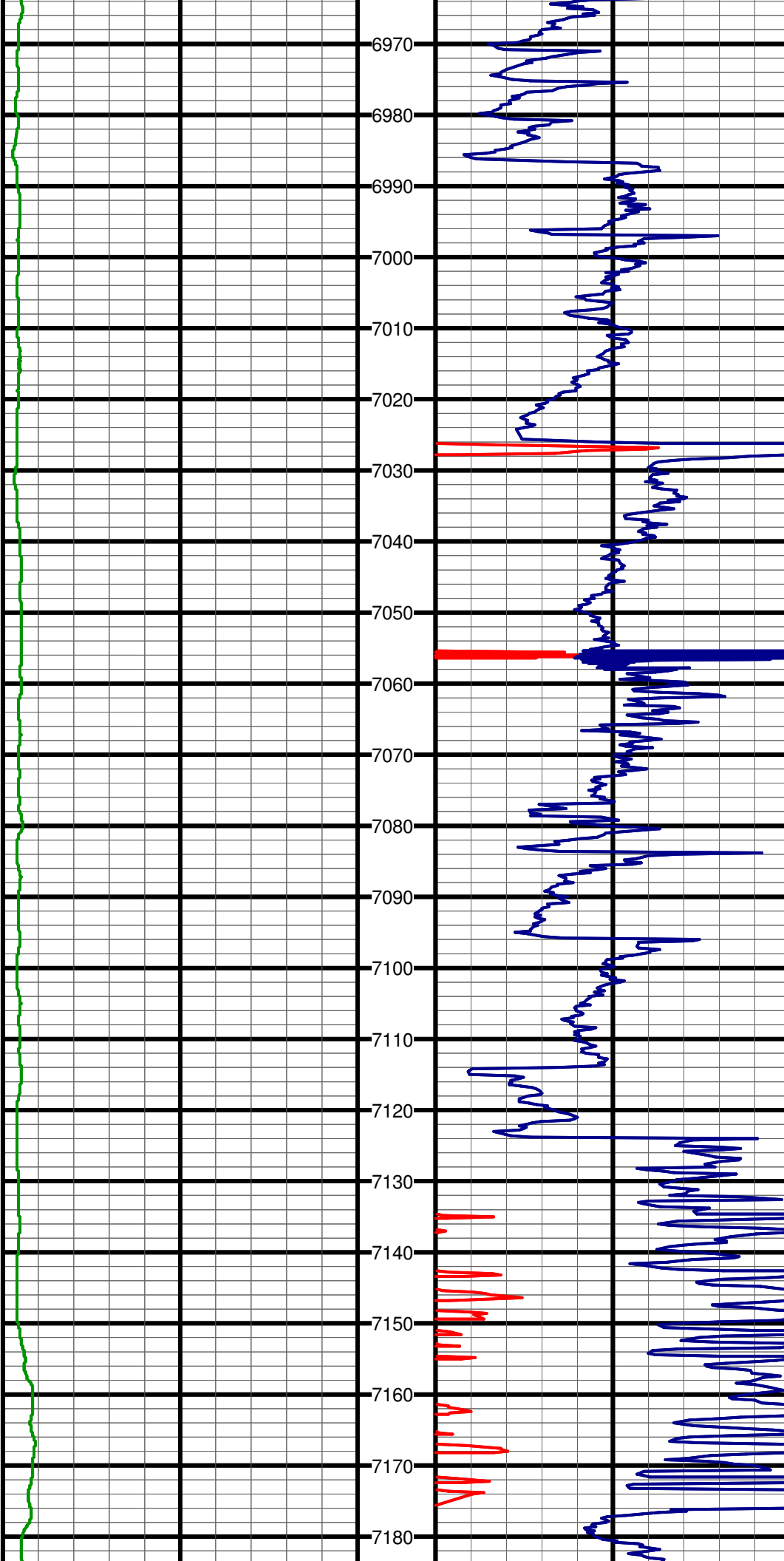
#88 MD:6368.0 TVD:4783.8 I:90.6 A:355.7 VS:1960.7

#89 MD:6428.0 TVD:4783.2 I:90.5 A:355.9 VS:2020.6

#90 MD:6488.0 TVD:4782.7 I:90.5 A:357.0 VS:2080.6



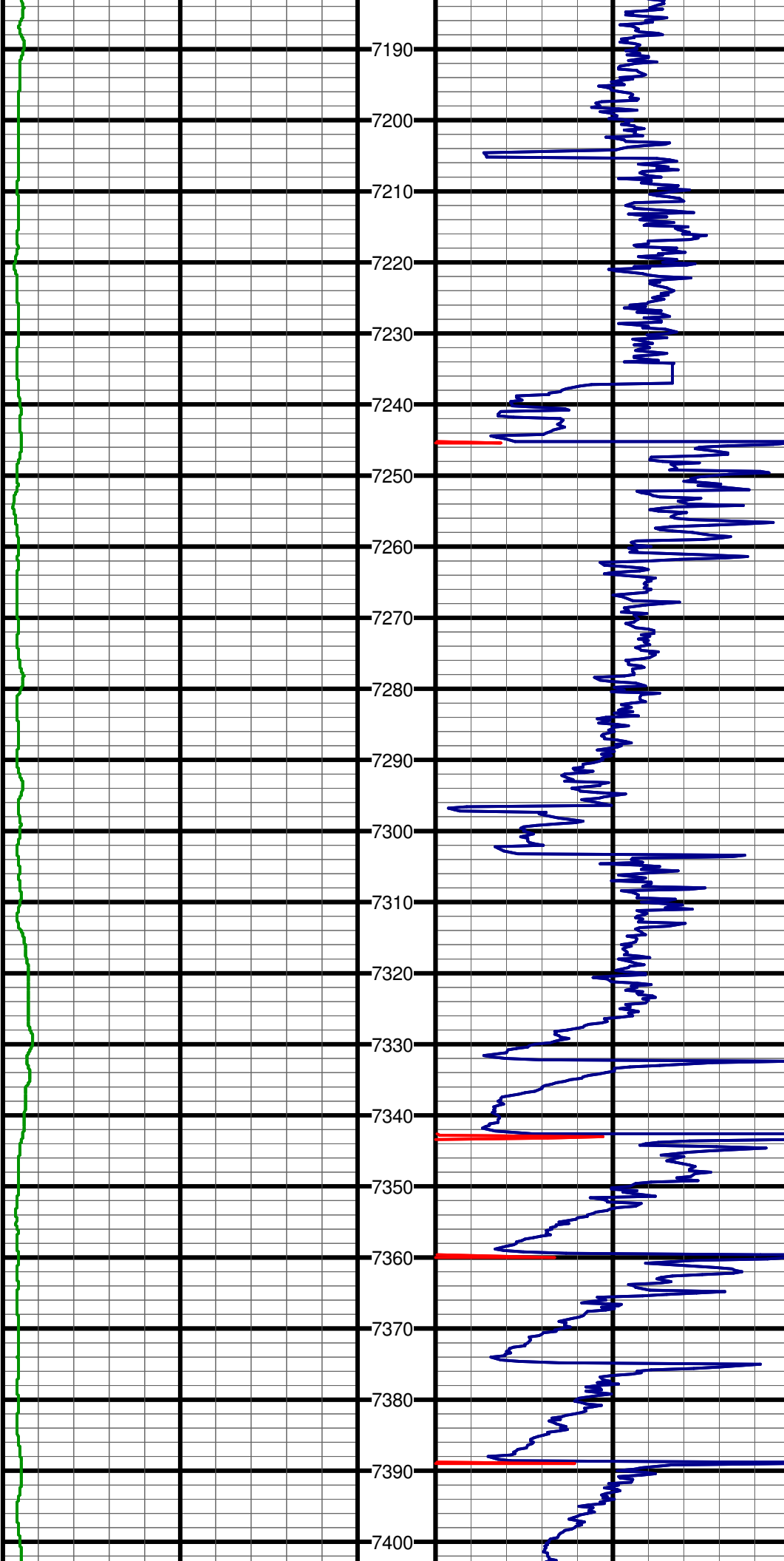




#100 MD:7003.0 TVD:4774.5 I:90.5 A:356.6 VS:2595.5

#101 MD:7064.0 TVD:4773.9 I:90.6 A:355.8 VS:2656.5

#102 MD:7124.0 TVD:4773.5 I:90.2 A:356.8 VS:2716.4



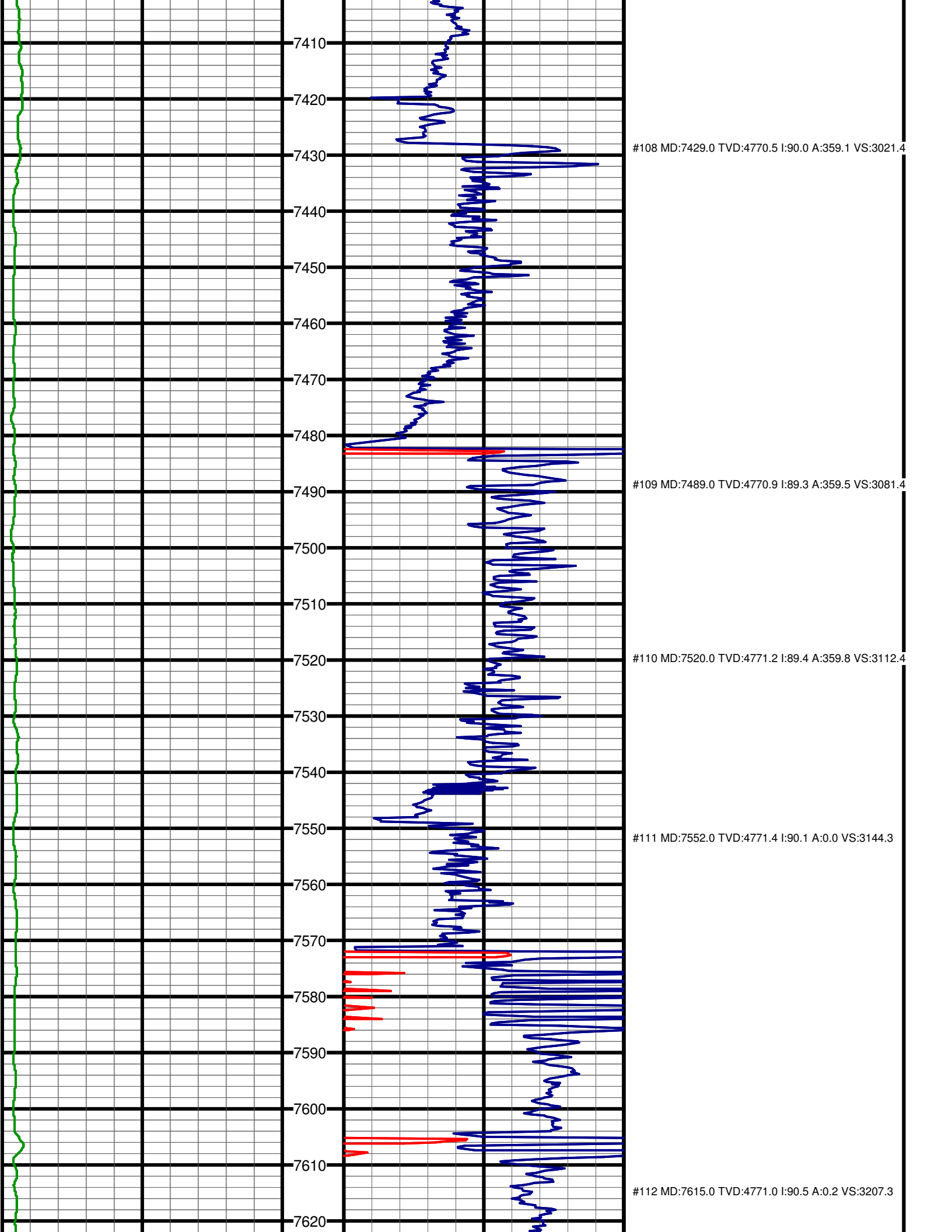
#103 MD:7185.0 TVD:4773.0 I:90.7 A:357.3 VS:2777.4

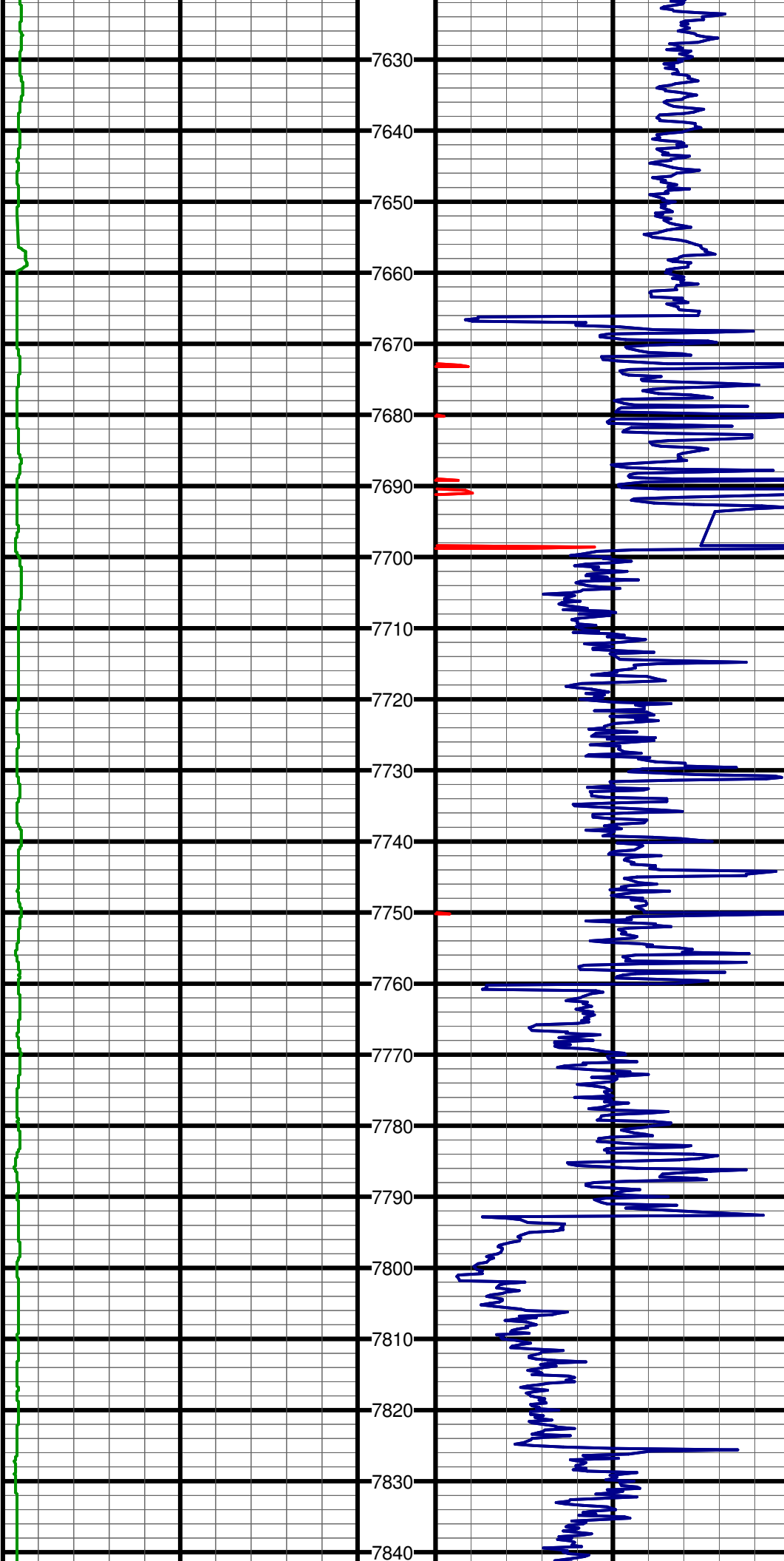
#104 MD:7245.0 TVD:4772.2 I:90.8 A:358.0 VS:2837.4

#105 MD:7306.0 TVD:4771.5 I:90.6 A:358.7 VS:2898.4

#106 MD:7337.0 TVD:4771.2 I:90.5 A:358.8 VS:2929.4

#107 MD:7368.0 TVD:4770.9 I:90.7 A:358.9 VS:2960.4



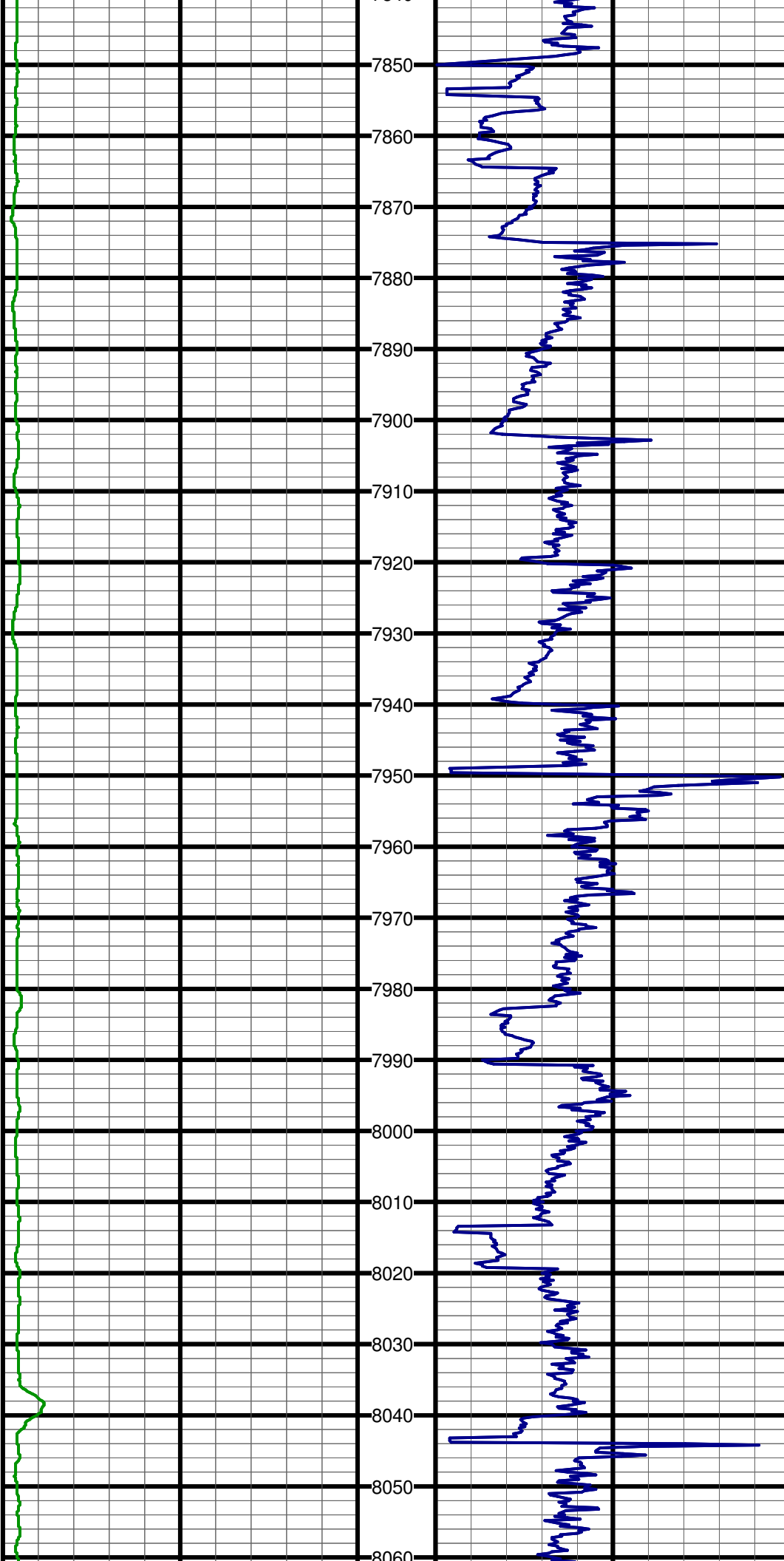


#113 MD:7646.0 TVD:4770.7 I:90.6 A:0.2 VS:3238.3

#114 MD:7709.0 TVD:4770.1 I:90.6 A:1.0 VS:3301.2

#115 MD:7740.0 TVD:4769.8 I:90.4 A:1.4 VS:3332.1

#116 MD:7804.0 TVD:4769.2 I:90.7 A:1.2 VS:3396.0

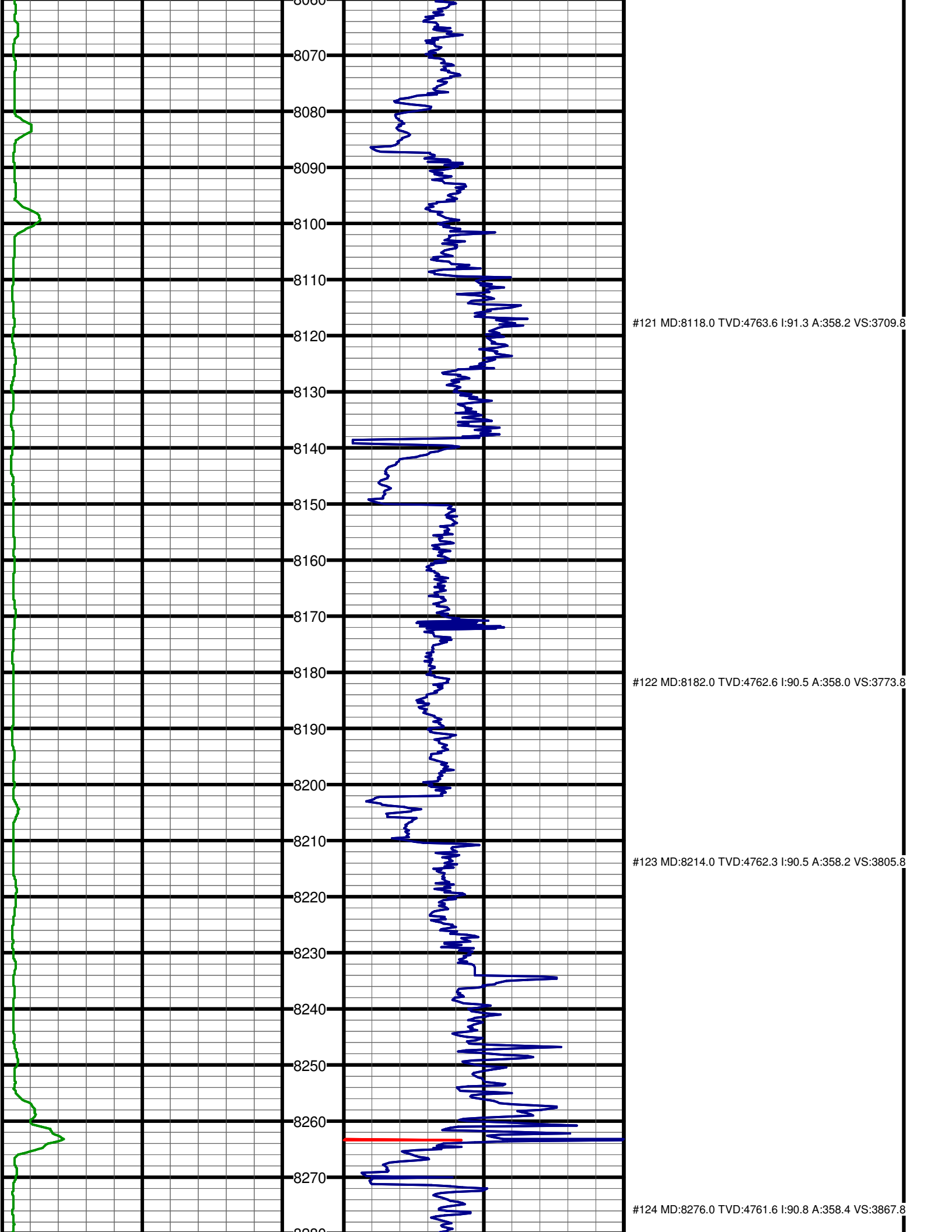


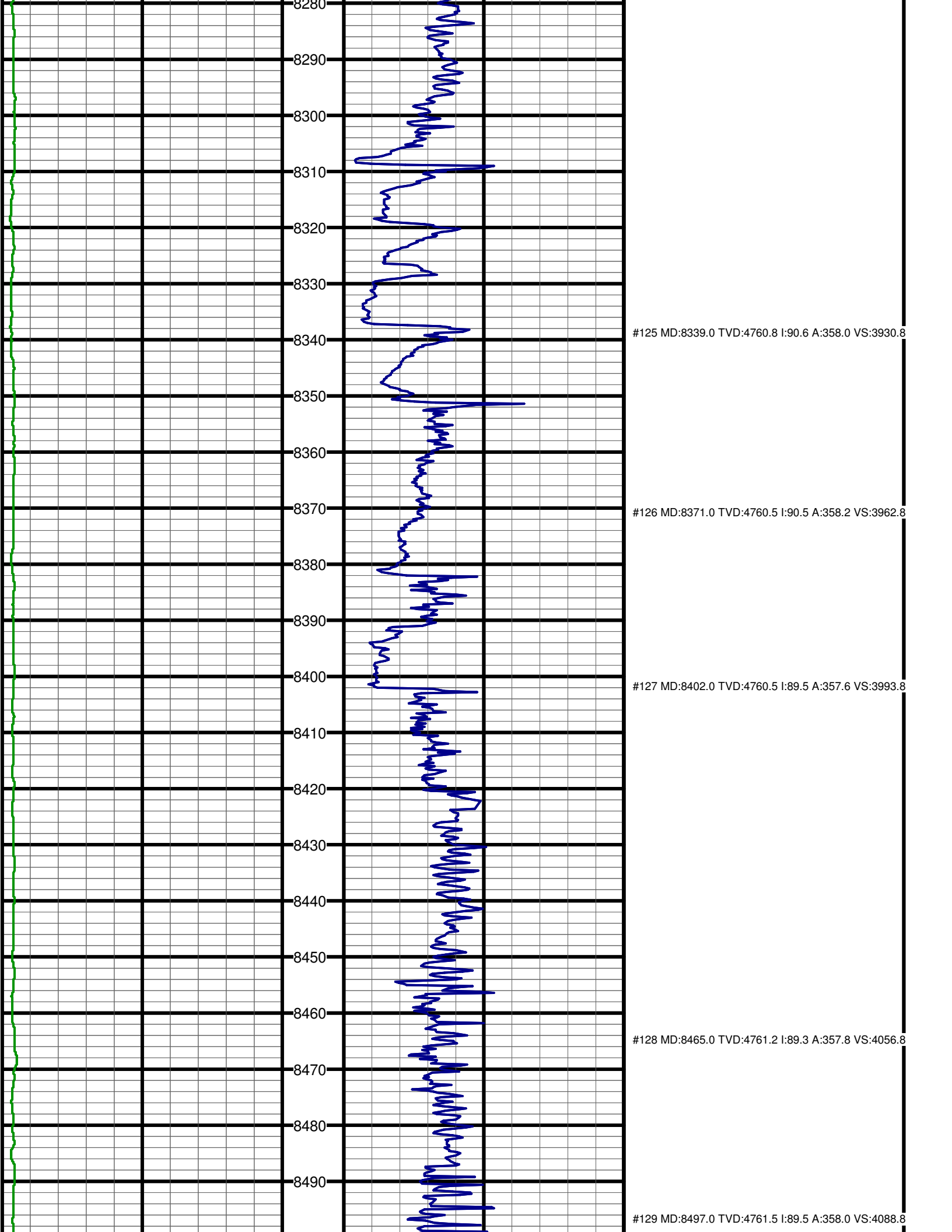
#117 MD:7867.0 TVD:4768.5 I:90.5 A:359.9 VS:3458.9

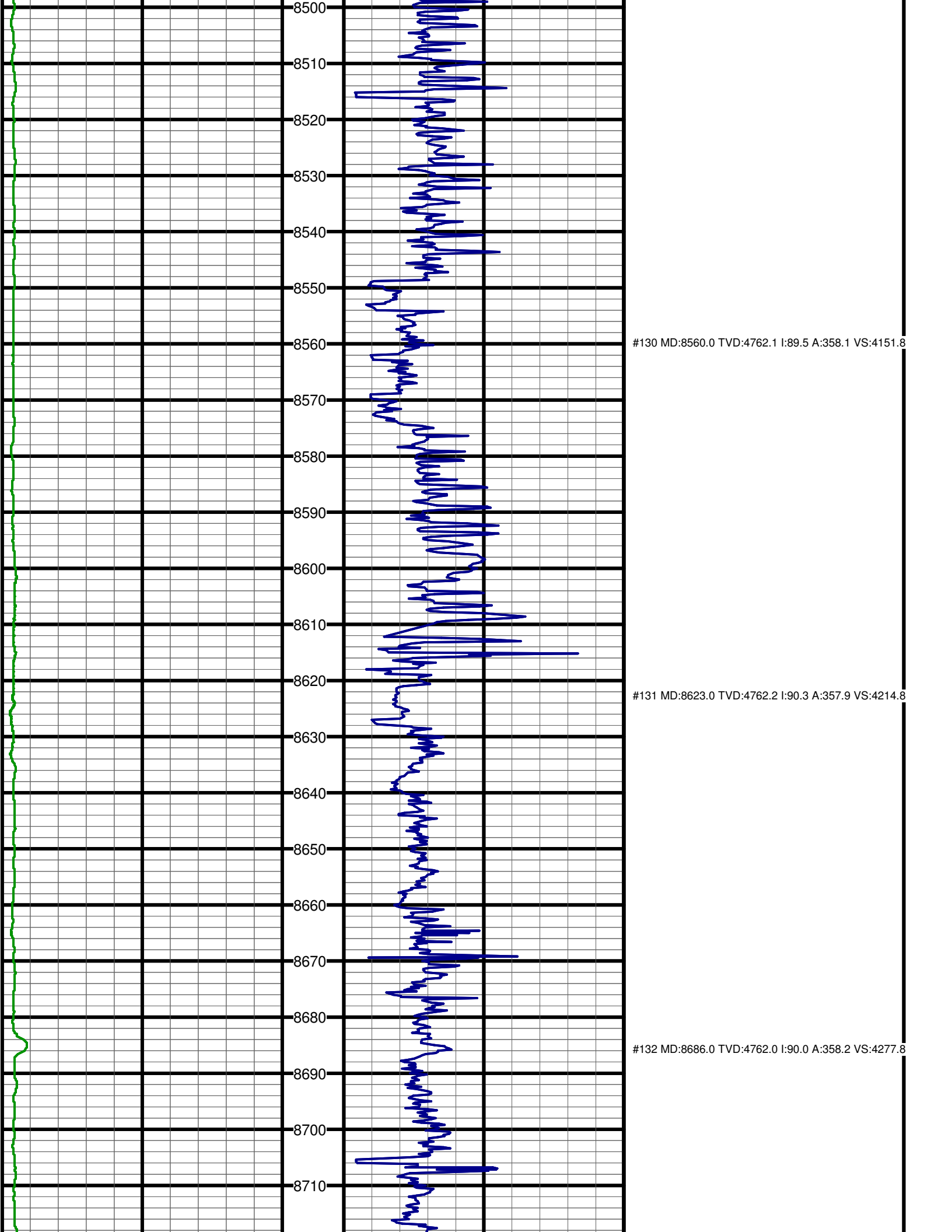
#118 MD:7929.0 TVD:4767.7 I:91.1 A:0.1 VS:3520.9

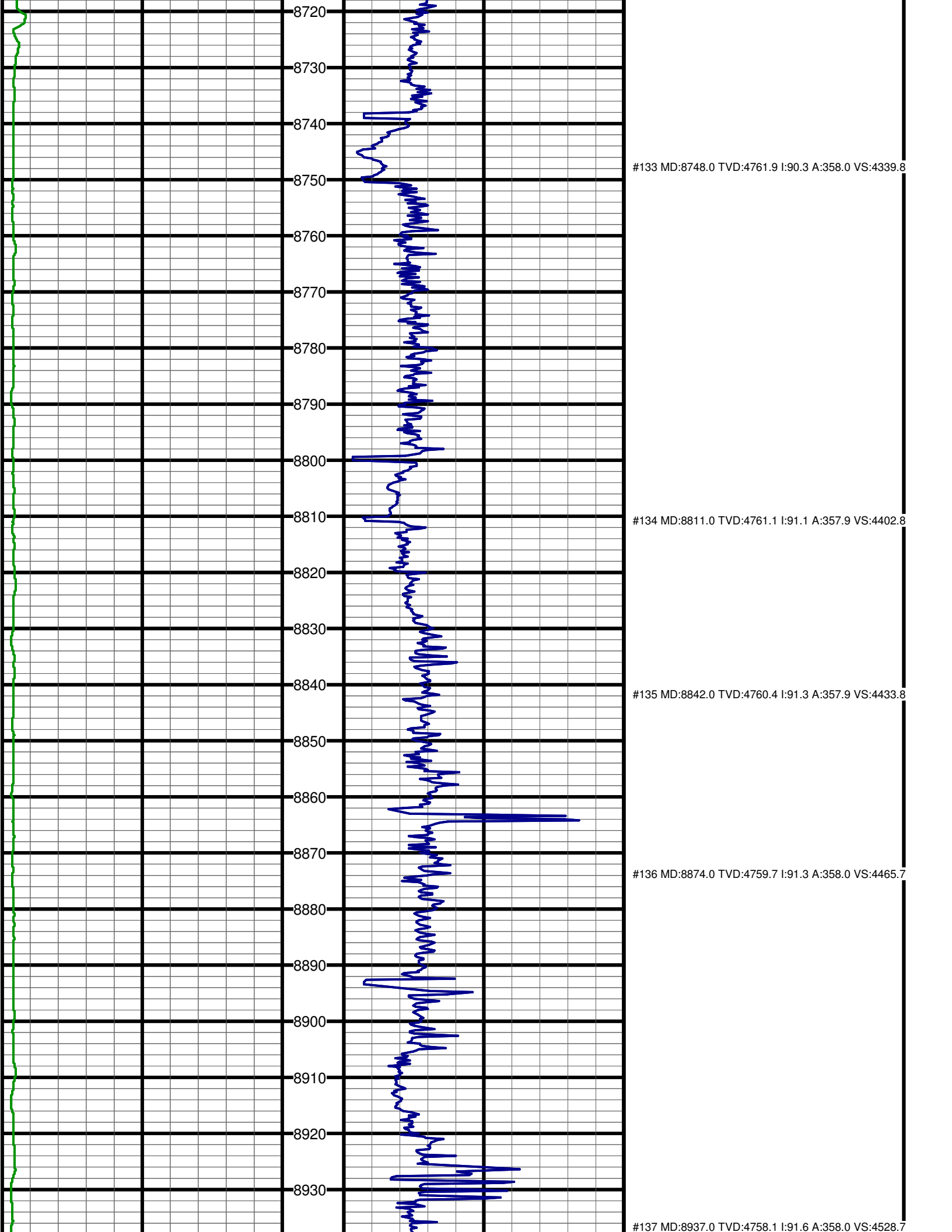
#119 MD:7992.0 TVD:4766.4 I:91.2 A:359.5 VS:3583.8

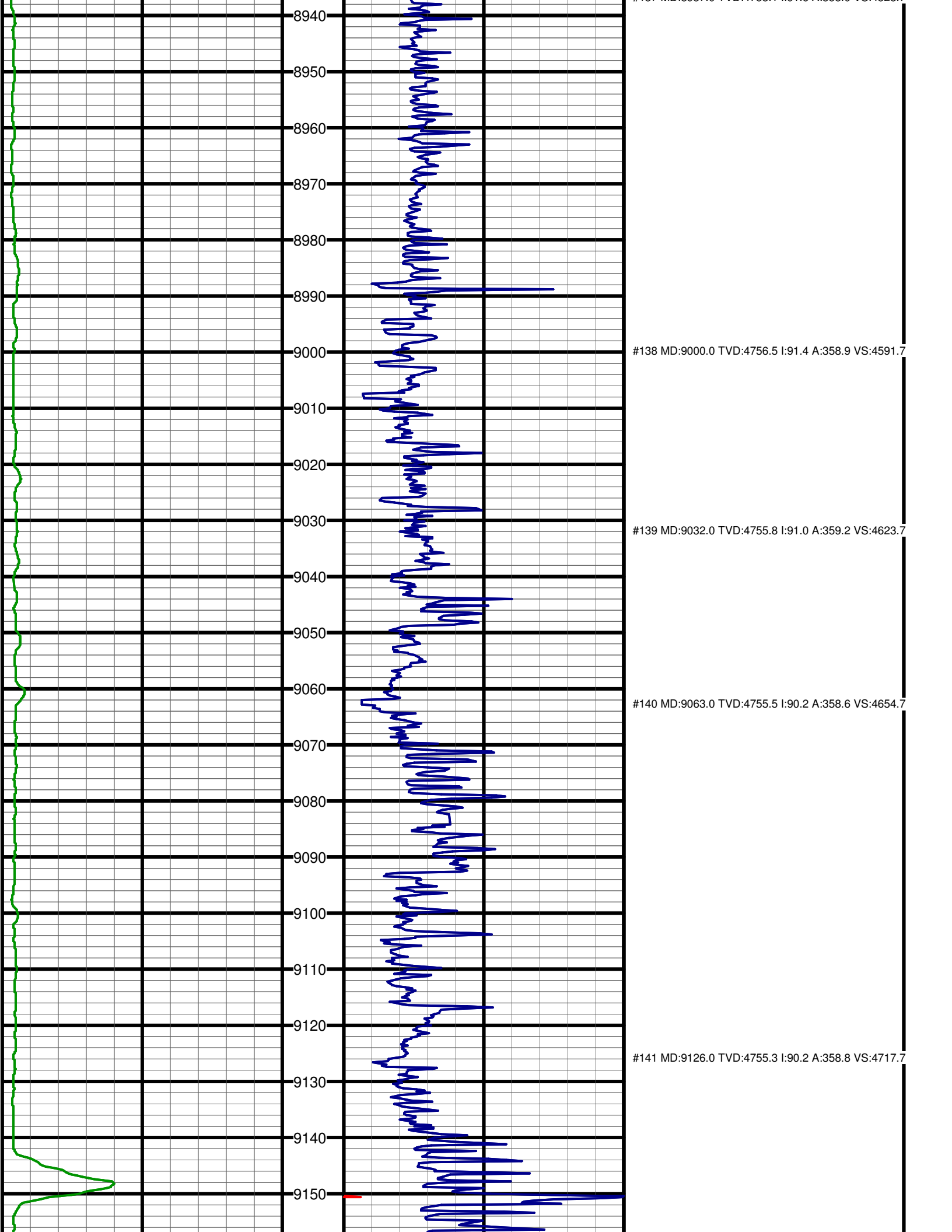
#120 MD:8056.0 TVD:4765.0 I:91.3 A:358.7 VS:3647.8

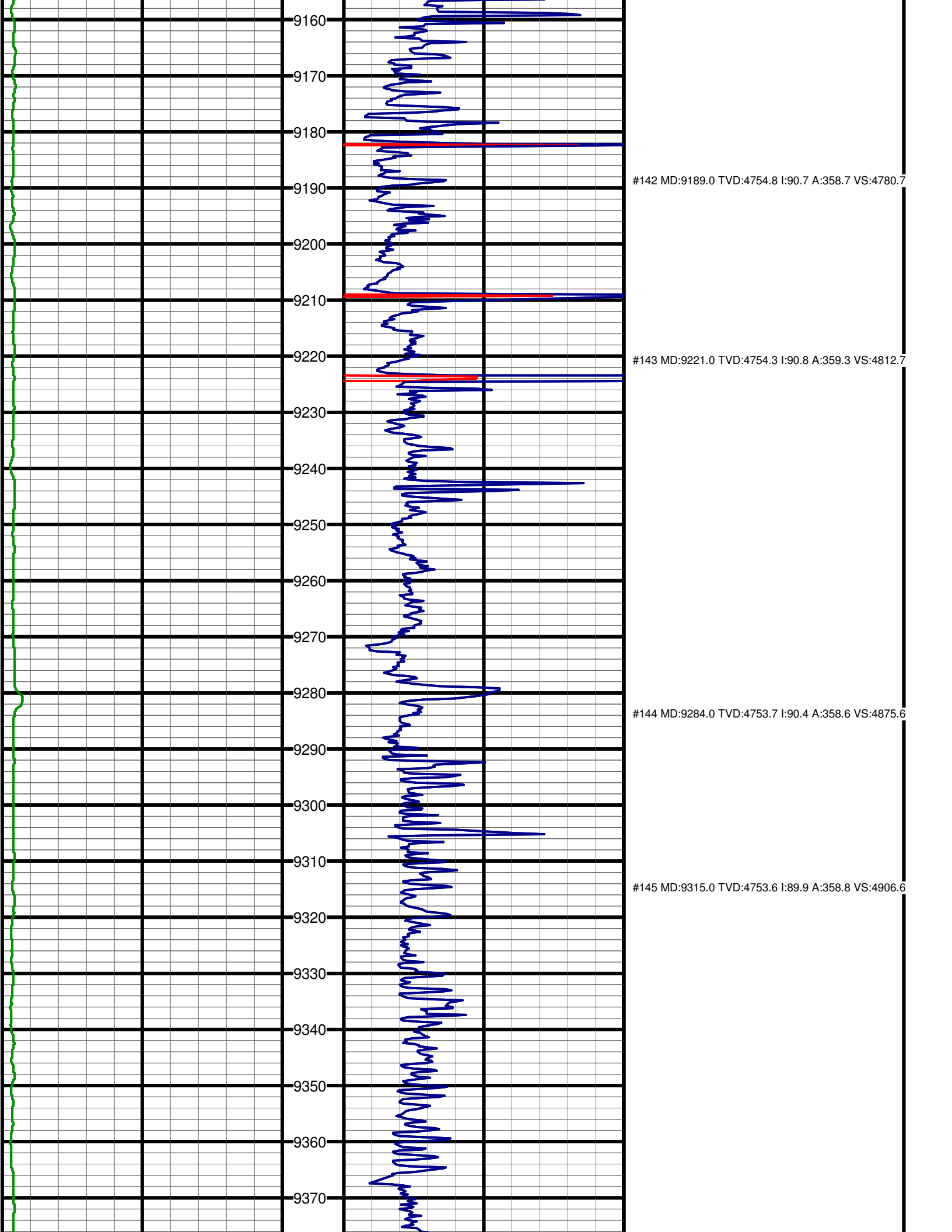


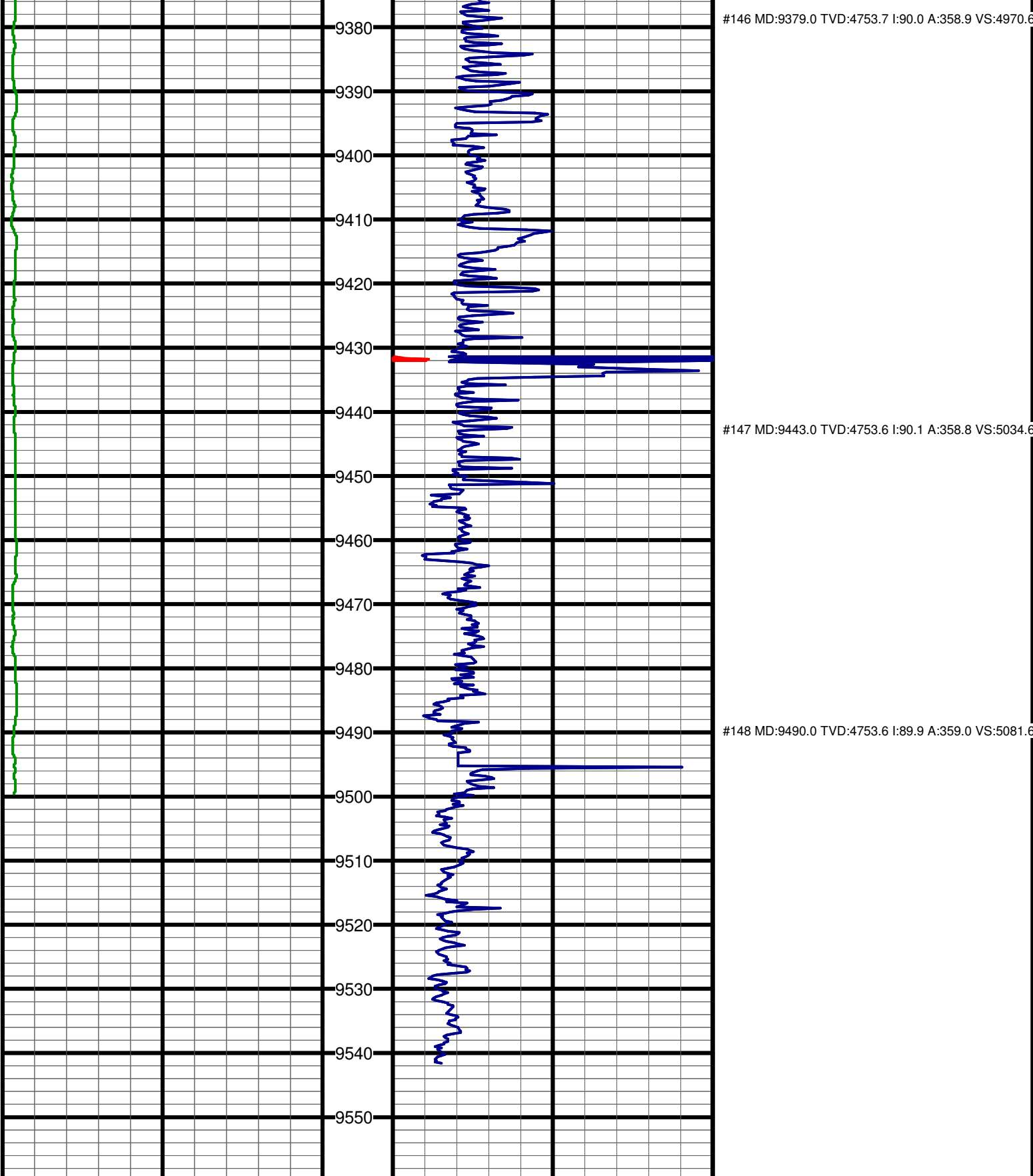












Gamma API (MD) Track: 1
API

0 ————— 150
 150 ————— 300
 300 ————— 450

Depth
5":100' (10")

ROP (MD) Track: 1
Ft/Hr

0 ————— 150
 150 ————— 300
 300 ————— 450

