

## 5 Inch MD-Gamma Ray Log (Scale: 5" : 100' (10'))

Company: Tapstone Energy  
 Well: Schrock 3410 35-1H  
 Field: Mississippi Lime  
 Well ID: DC14012 / 130092  
 Job Number: LKS6113414

State: KS  
 County: Barber  
 Country: USA

Elev KB: 22' + 1,332' = 1,354'  
 Elev DF: 1,354'  
 Elev GL: 1,332'

Location: SEC 35 T34S, R 10W  
 Operator 1: Ken Mitchell  
 Operator 2: Nathan Chesser  
 Comment 1: LAT: 37° 2' 58.652 N / LONG: 98° 22' 19.010 W  
 Comment 2: Y: 139469.00 / X: 2037374.00  
 Comment 3: Mud Density (lb/bbl): 9.2 / Funnel Viscosity (sec/qt): 34  
 Comment 4: Flowline Temp (DegF): 88° / HTHP Filtrate (mL/30 min): 99  
 Comment 5: Max Temp (DegF): 162 / (NAD1927) Gamma Ray in Reference to Elev KB (Kansas South 1502)

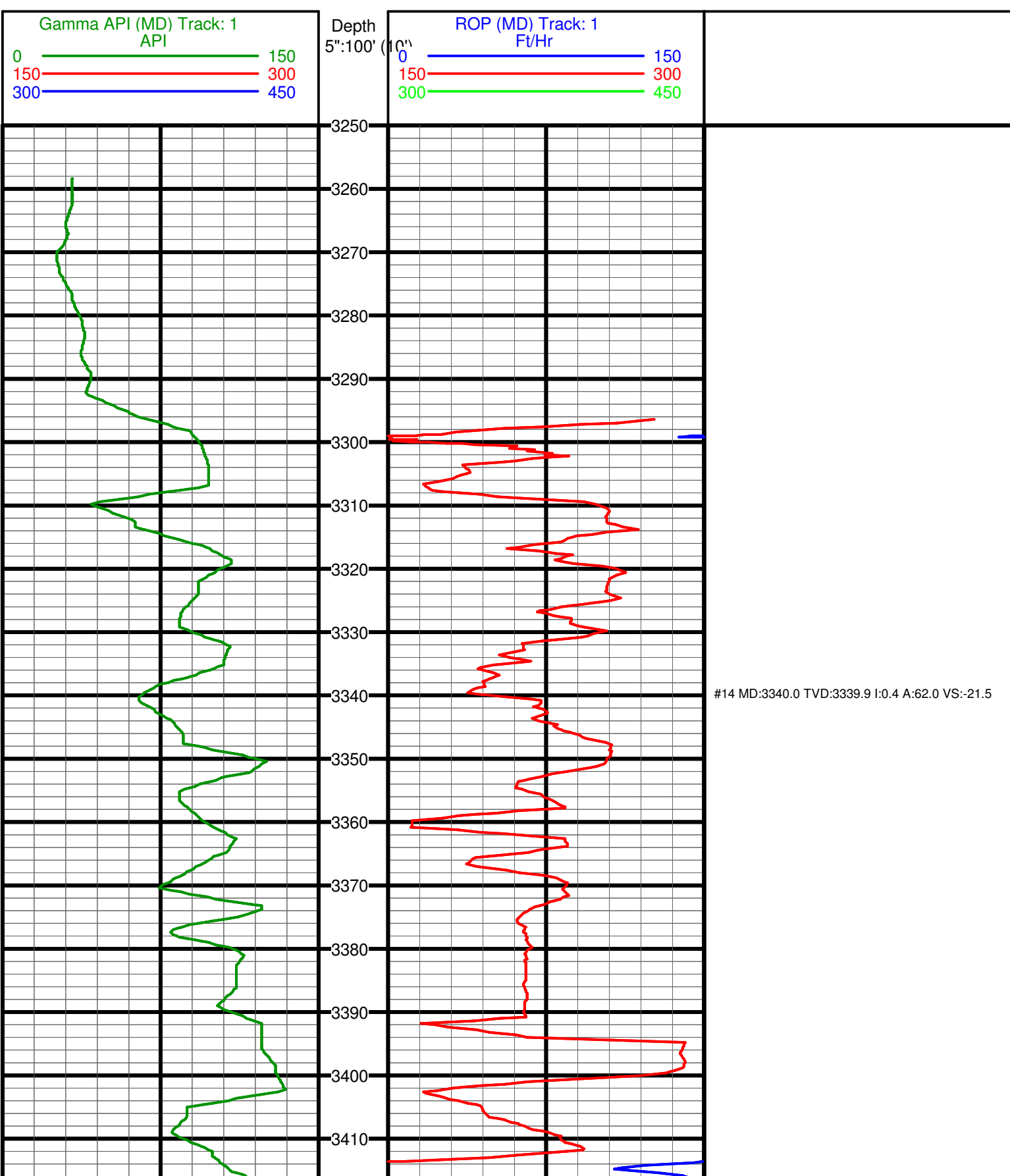
| Hole Data |        |        | Casing Record |      |        |
|-----------|--------|--------|---------------|------|--------|
| Size      | From   | To     | Size          | From | To     |
| 12 1/4    | 0'     | 830'   | 9 5/8         | 0'   | 830'   |
| 8 3/4     | 830'   | 5,237' | 7"            | 0'   | 5,231' |
| 6 1/2     | 5,237' | 9,027' |               |      |        |
|           |        |        |               |      |        |
|           |        |        |               |      |        |

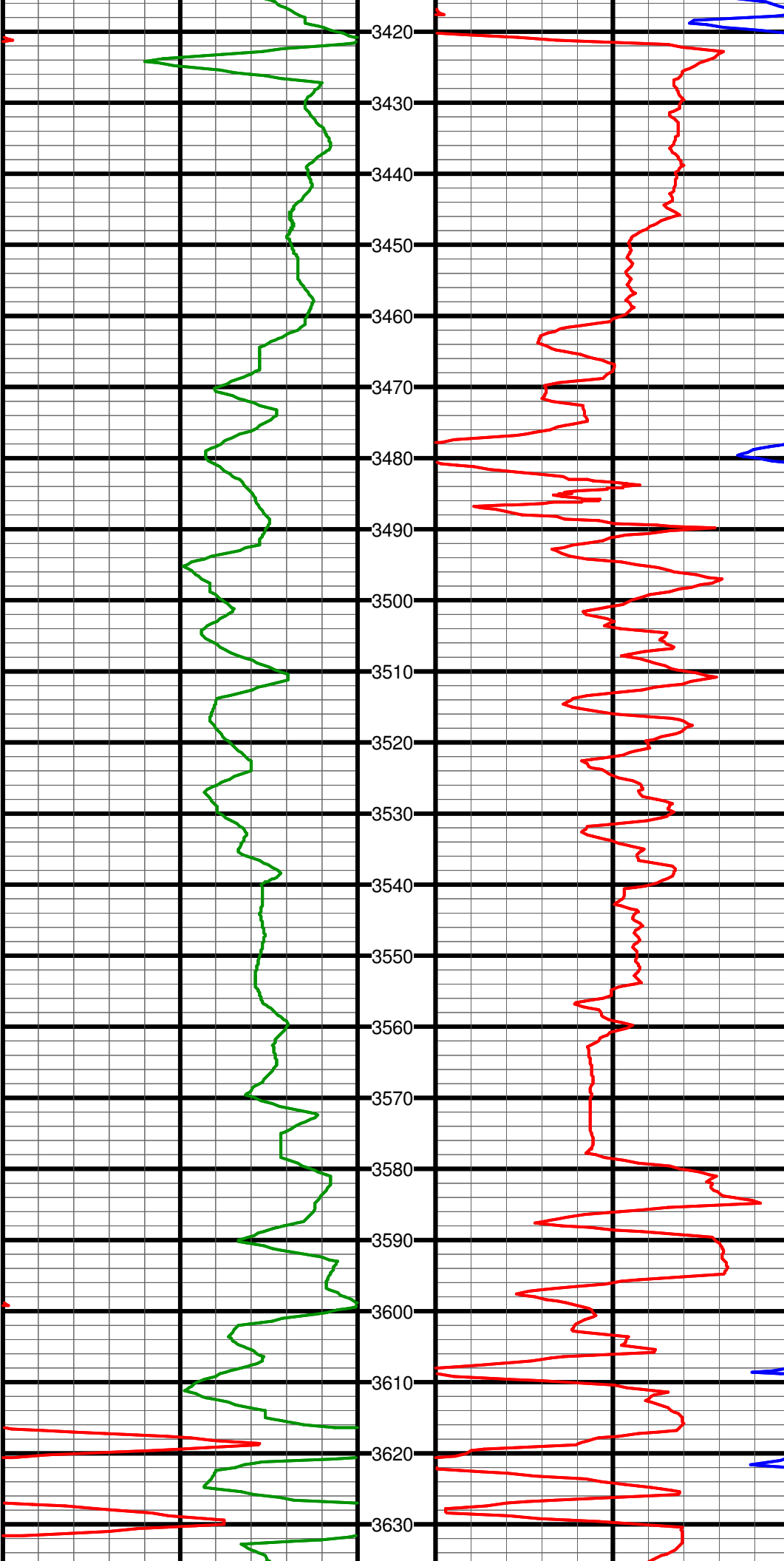
| Tool Run Data |           | Run #1    | Run #2   | Run #3 | Run #4 | Run #5 |
|---------------|-----------|-----------|----------|--------|--------|--------|
| Tool S/N      | 1762      | 3010      | 1762     |        |        |        |
| Cal Factor    | 4.65      | 2.699     | 4.65     |        |        |        |
| Gamma Offset  | 38'       | 43'       | 43'      |        |        |        |
| Start Depth   | 3,258'    | 5,199'    | 7,080'   |        |        |        |
| Start Date    | 8/17/2014 | 8/21/2014 | 08/23/14 |        |        |        |
| Start Time    | 16:01     | 23:19     | 19:17    |        |        |        |
| End Depth     | 5,199'    | 7,080'    | 8,984'   |        |        |        |
| End Date      | 8/20/2014 | 08/23/14  | 08/25/14 |        |        |        |
| End Time      | 6:01      | 08:31     | 02:52    |        |        |        |

| Tool Run Data | Run #6 | Run #7 | Run #8 | Run #9 | Run #10 |
|---------------|--------|--------|--------|--------|---------|
| Tool S/N      |        |        |        |        |         |
| Cal Factor    |        |        |        |        |         |
| Offset        |        |        |        |        |         |
| Start Depth   |        |        |        |        |         |
| Start Date    |        |        |        |        |         |
| Start Time    |        |        |        |        |         |
| End Depth     |        |        |        |        |         |
| End Date      |        |        |        |        |         |
| End Time      |        |        |        |        |         |

| 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 |  |  |  |  |  |

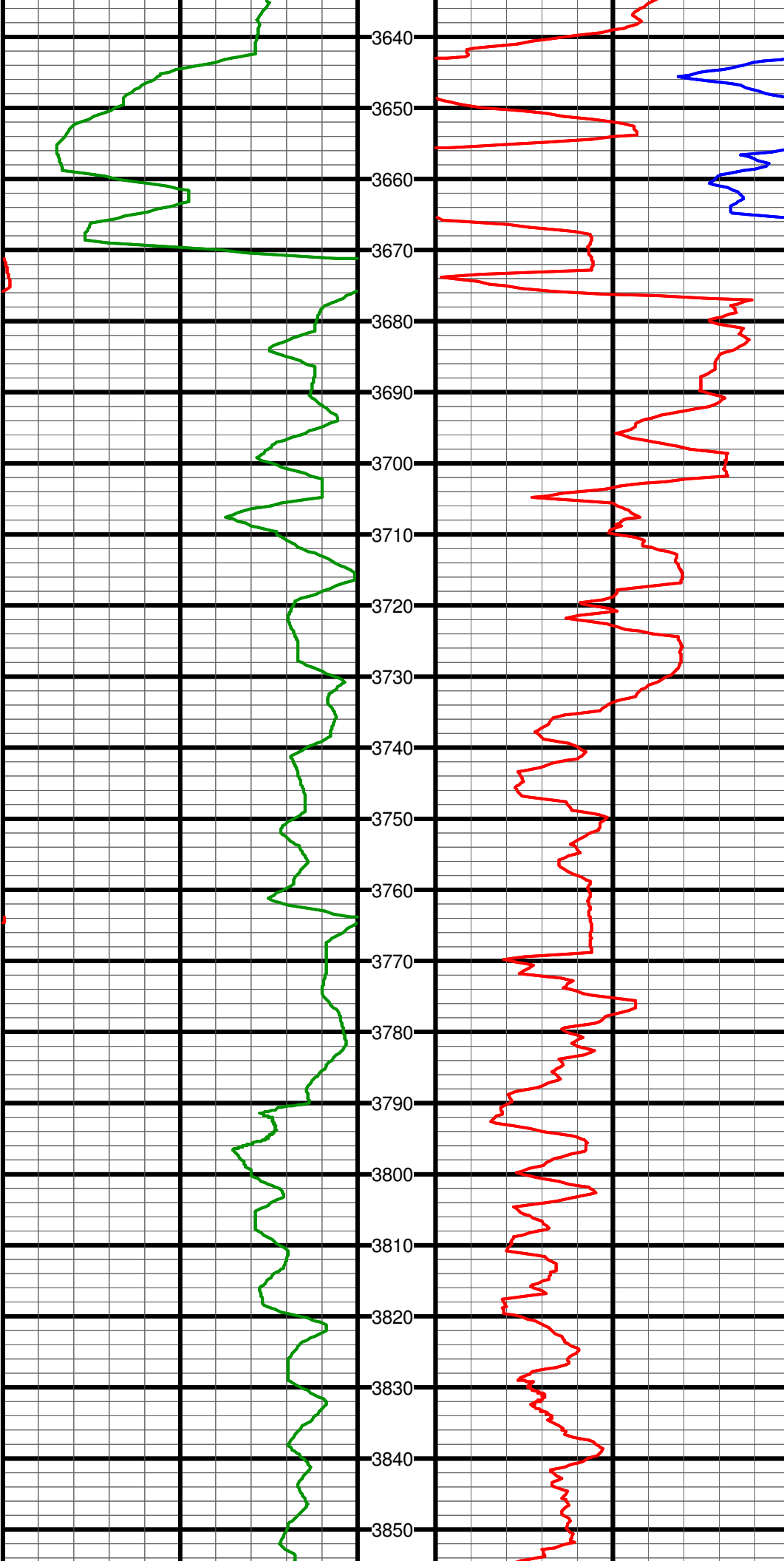




#15 MD:3433.0 TVD:3432.9 I:0.4 A:49.2 VS:-21.8

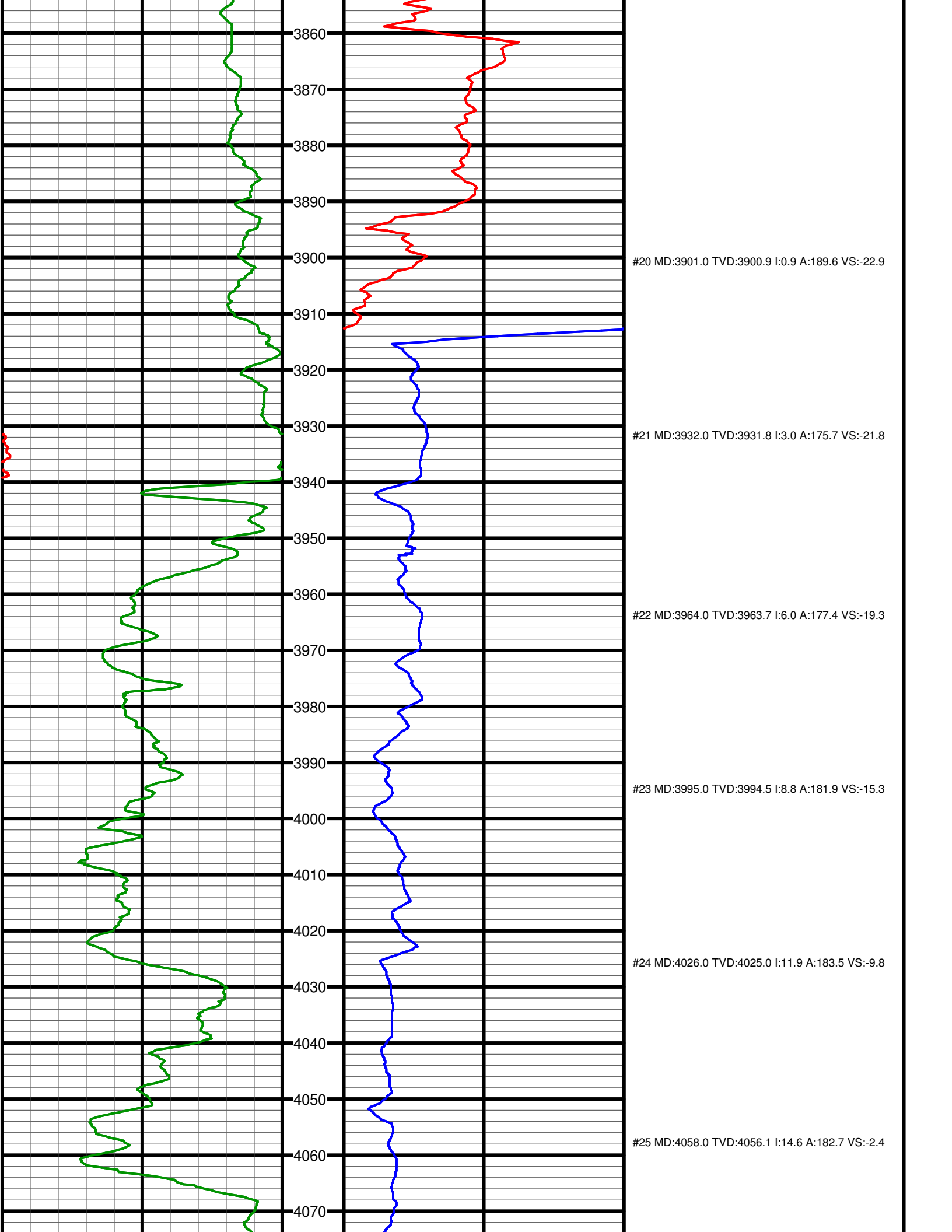
#16 MD:3527.0 TVD:3526.9 I:0.6 A:45.1 VS:-22.4

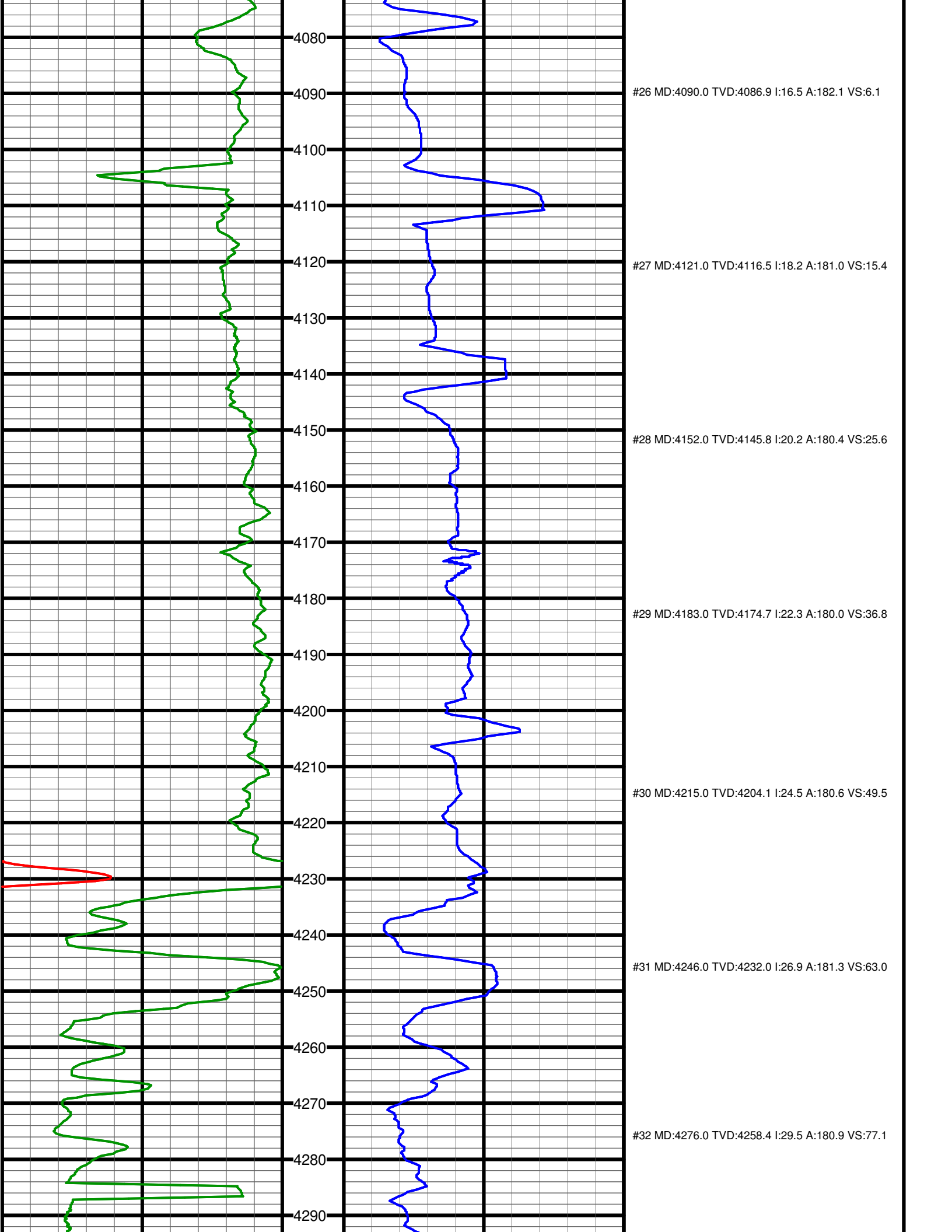
#17 MD:3620.0 TVD:3619.9 I:0.4 A:49.5 VS:-23.0

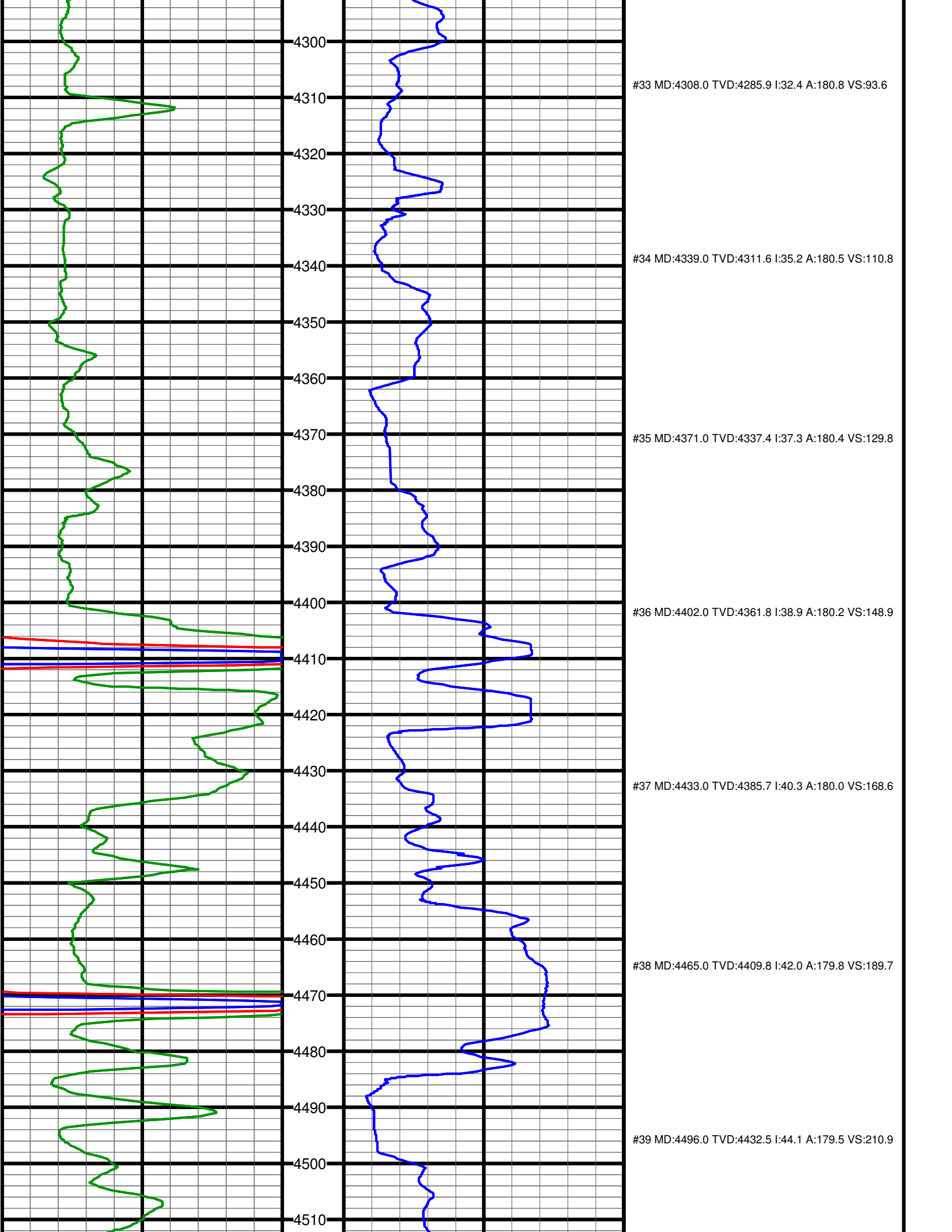


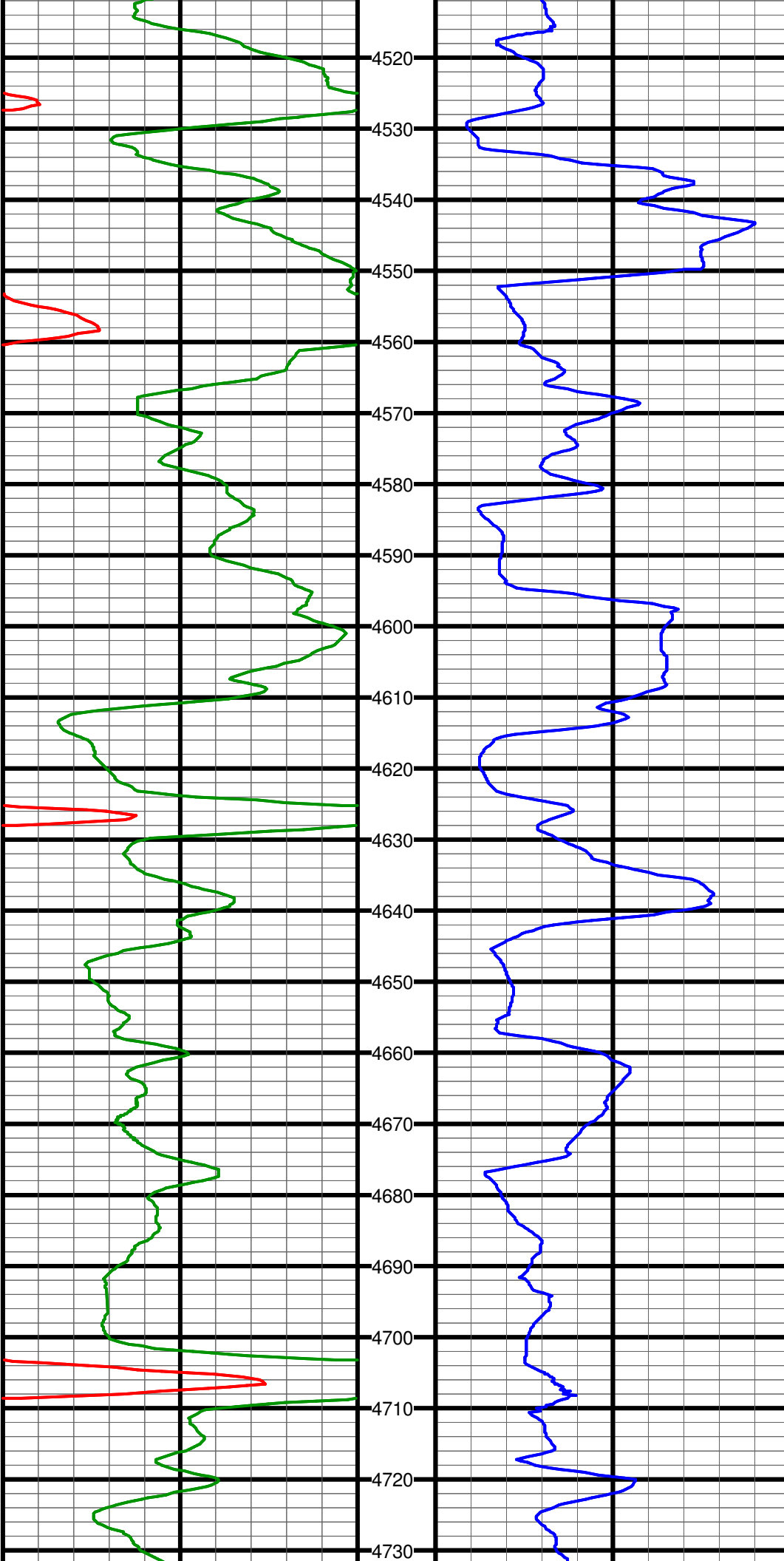
#18 MD:3715.0 TVD:3714.9 I:0.3 A:36.3 VS:-23.4

#19 MD:3808.0 TVD:3807.9 I:0.0 A:304.4 VS:-23.6









#40 MD:4527.0 TVD:4454.4 I:46.0 A:179.4 VS:232.8

#41 MD:4558.0 TVD:4475.5 I:47.8 A:179.3 VS:255.4

#42 MD:4589.0 TVD:4496.0 I:49.8 A:179.2 VS:278.7

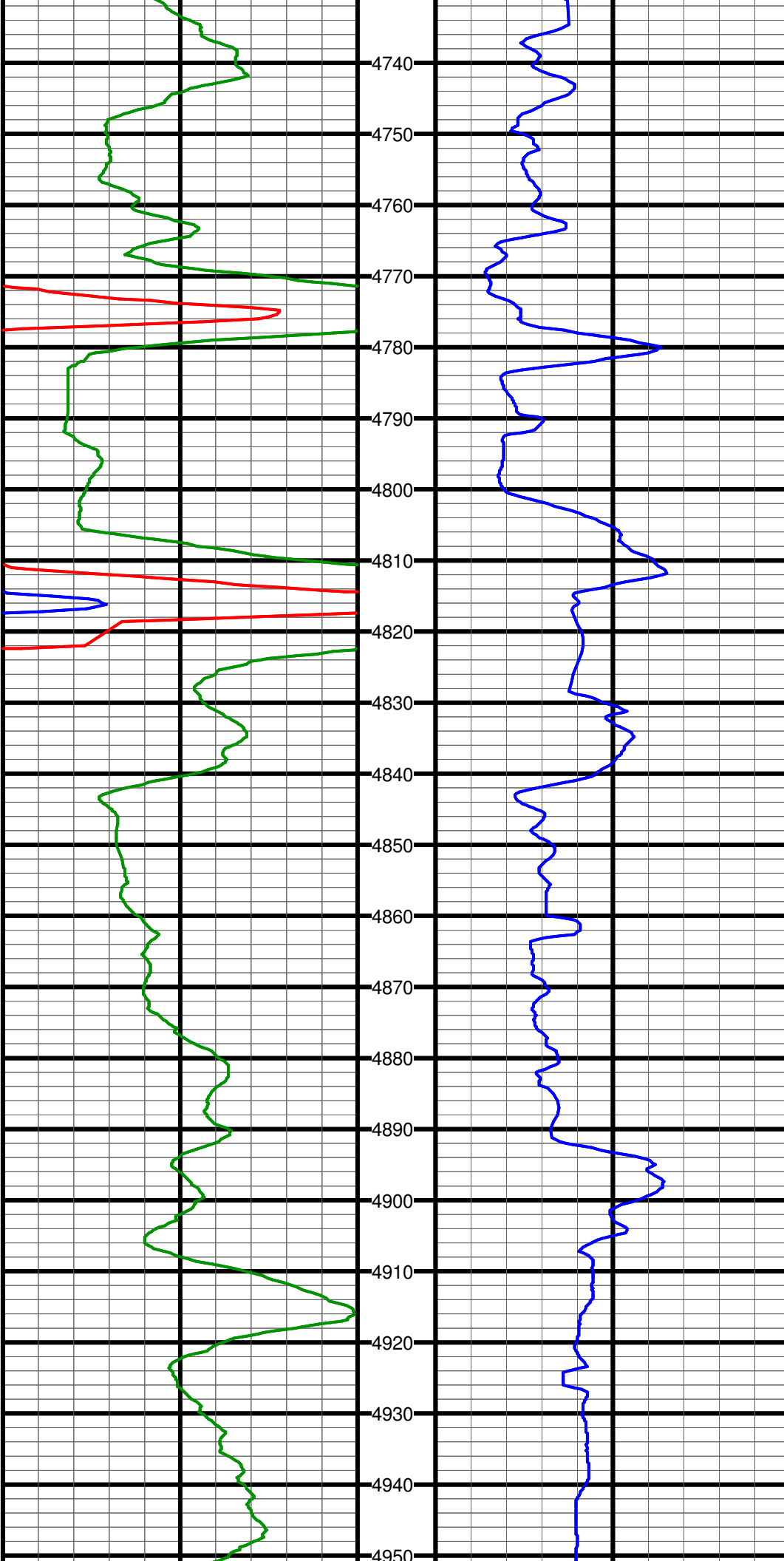
#43 MD:4621.0 TVD:4516.1 I:52.0 A:179.4 VS:303.6

#44 MD:4653.0 TVD:4535.3 I:54.2 A:179.6 VS:329.1

#45 MD:4684.0 TVD:4553.0 I:56.3 A:180.1 VS:354.6

#46 MD:4716.0 TVD:4570.2 I:58.7 A:180.6 VS:381.6





#47 MD:4747.0 TVD:4585.8 I:60.9 A:180.9 VS:408.4

#48 MD:4778.0 TVD:4600.4 I:62.9 A:181.5 VS:435.7

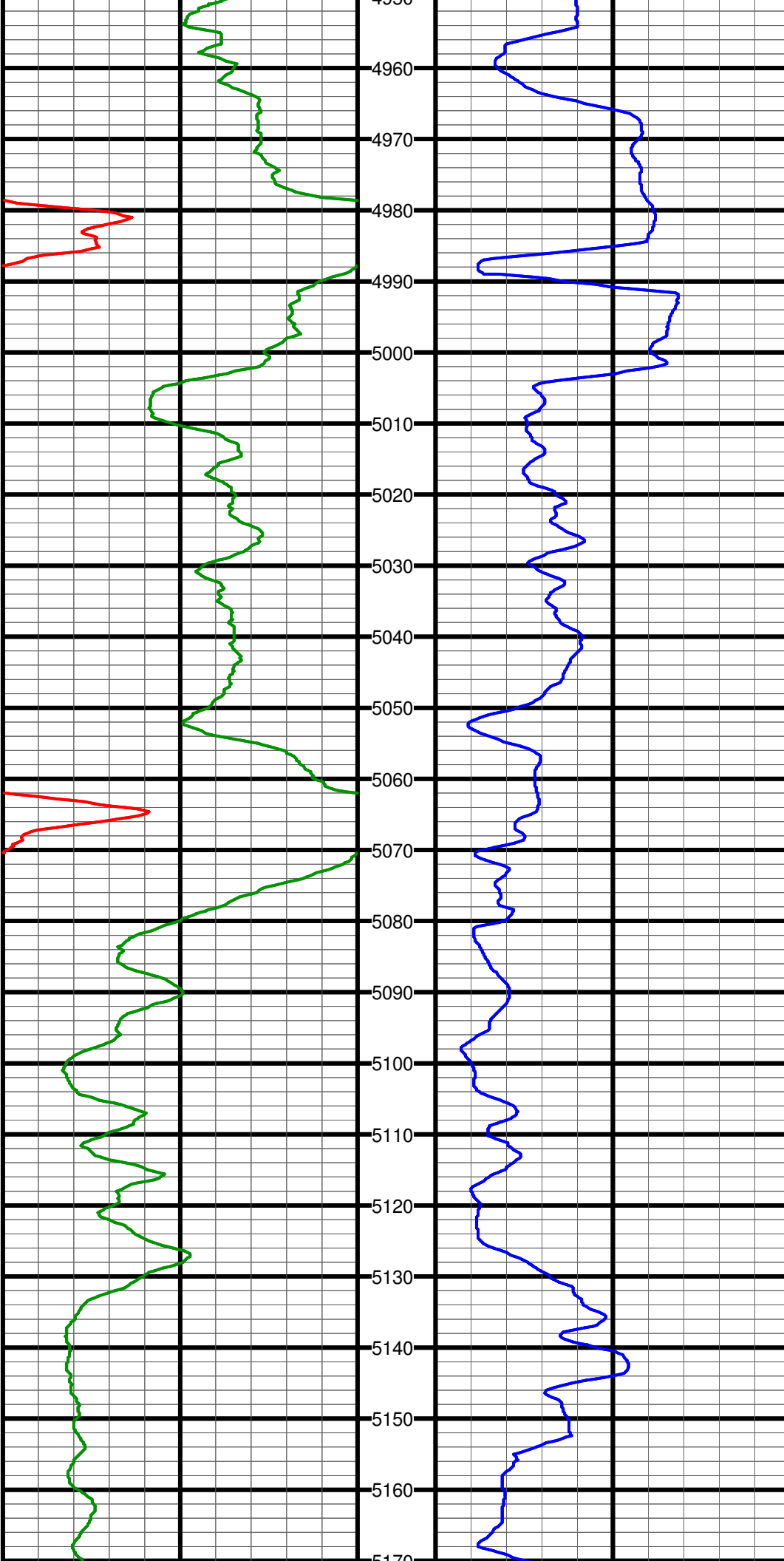
#49 MD:4810.0 TVD:4614.7 I:64.1 A:181.9 VS:464.4

#50 MD:4841.0 TVD:4627.9 I:65.3 A:181.6 VS:492.4

#51 MD:4873.0 TVD:4641.0 I:66.4 A:181.8 VS:521.6

#52 MD:4904.0 TVD:4653.4 I:66.5 A:181.6 VS:550.0

#53 MD:4936.0 TVD:4666.2 I:66.3 A:181.3 VS:579.3



#54 MD:4967.0 TVD:4678.8 I:65.8 A:181.1 VS:607.6

#55 MD:4999.0 TVD:4692.0 I:65.4 A:180.9 VS:636.8

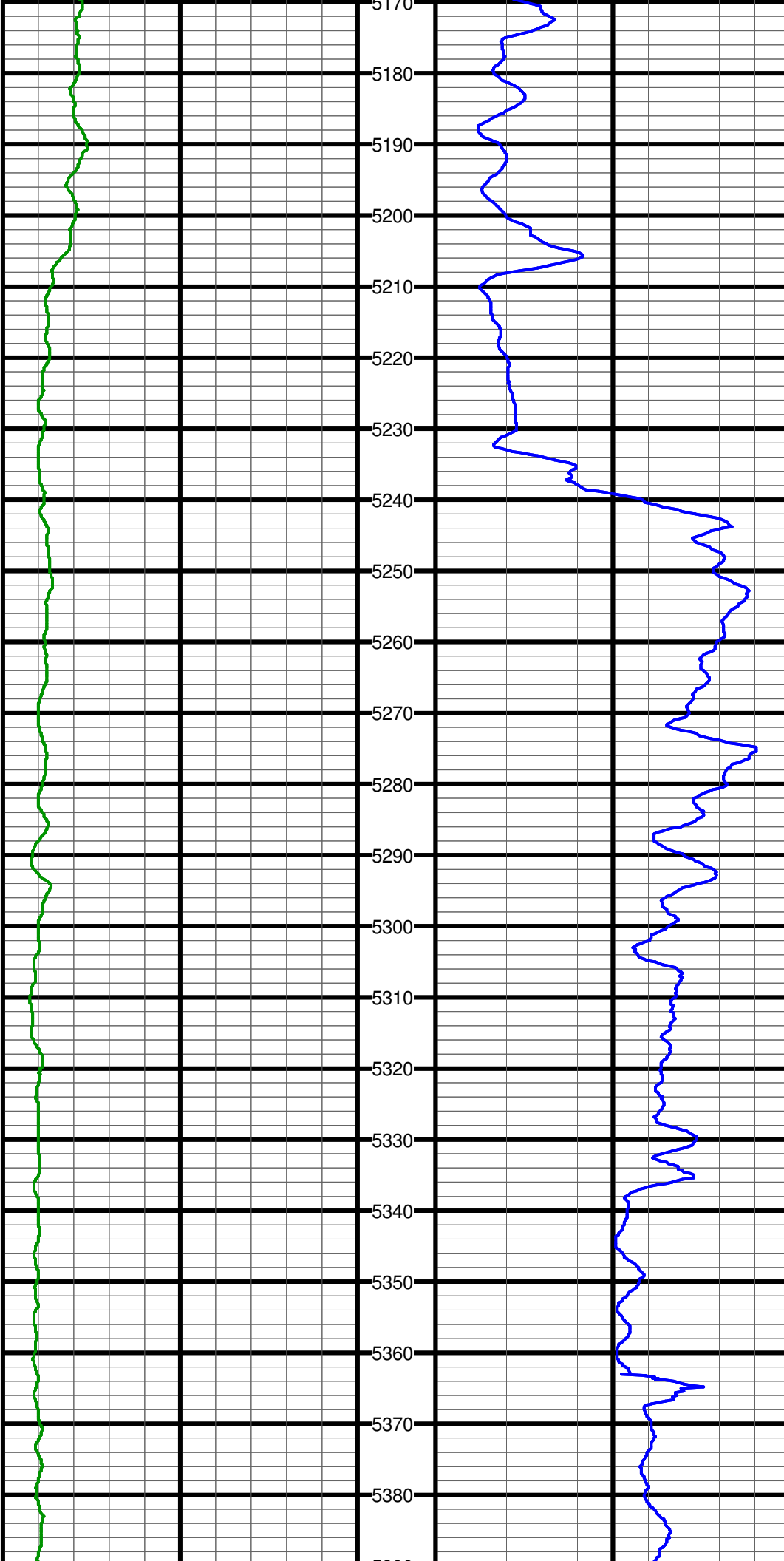
#56 MD:5030.0 TVD:4704.8 I:66.0 A:180.8 VS:665.0

#57 MD:5062.0 TVD:4717.2 I:68.5 A:181.0 VS:694.5

#58 MD:5093.0 TVD:4727.6 I:72.0 A:181.1 VS:723.7

#59 MD:5124.0 TVD:4736.5 I:74.9 A:181.7 VS:753.4

#60 MD:5155.0 TVD:4743.7 I:77.9 A:182.2 VS:783.5



#61 MD:5187.0 TVD:4749.5 I:81.2 A:182.4 VS:815.0

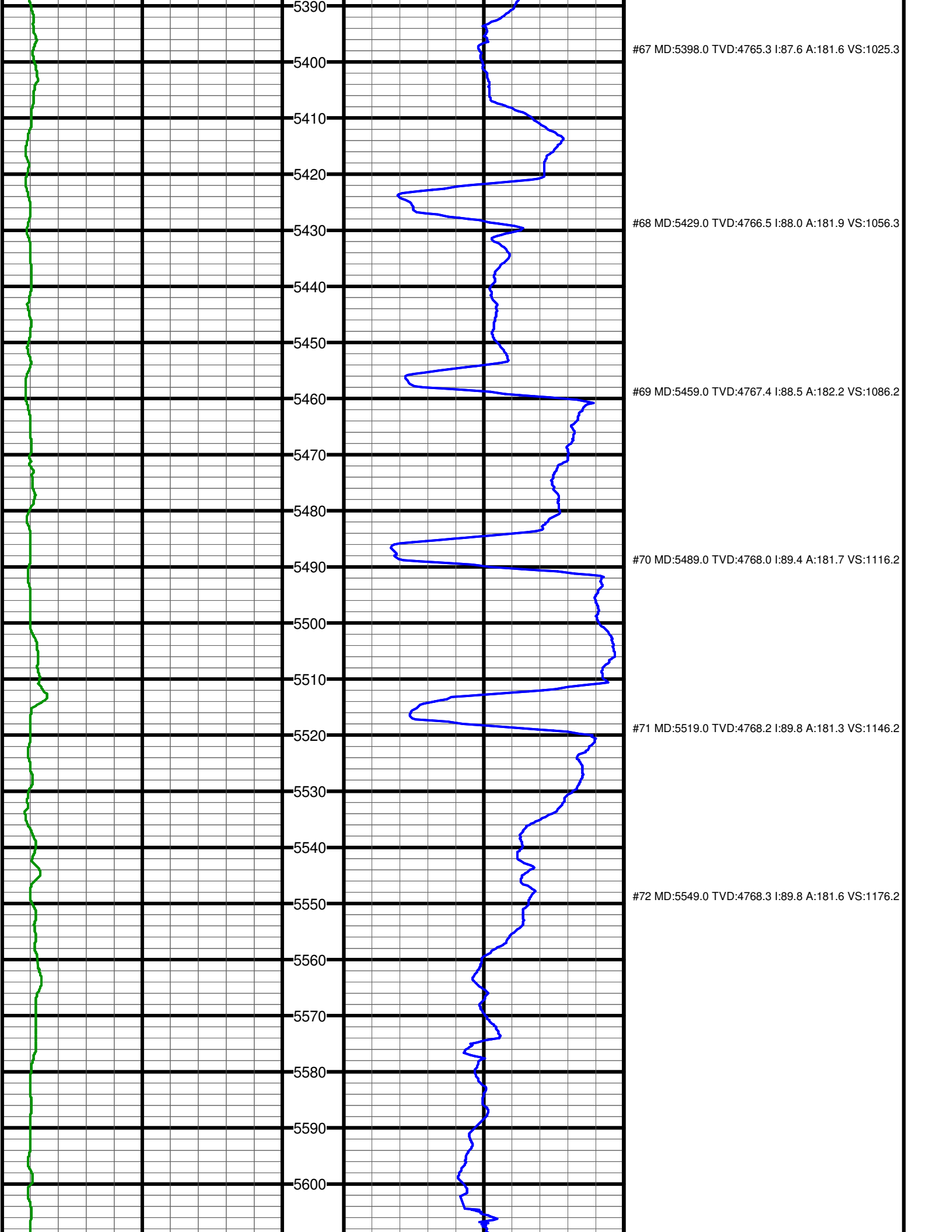
#62 MD:5246.0 TVD:4756.3 I:85.7 A:181.6 VS:873.6

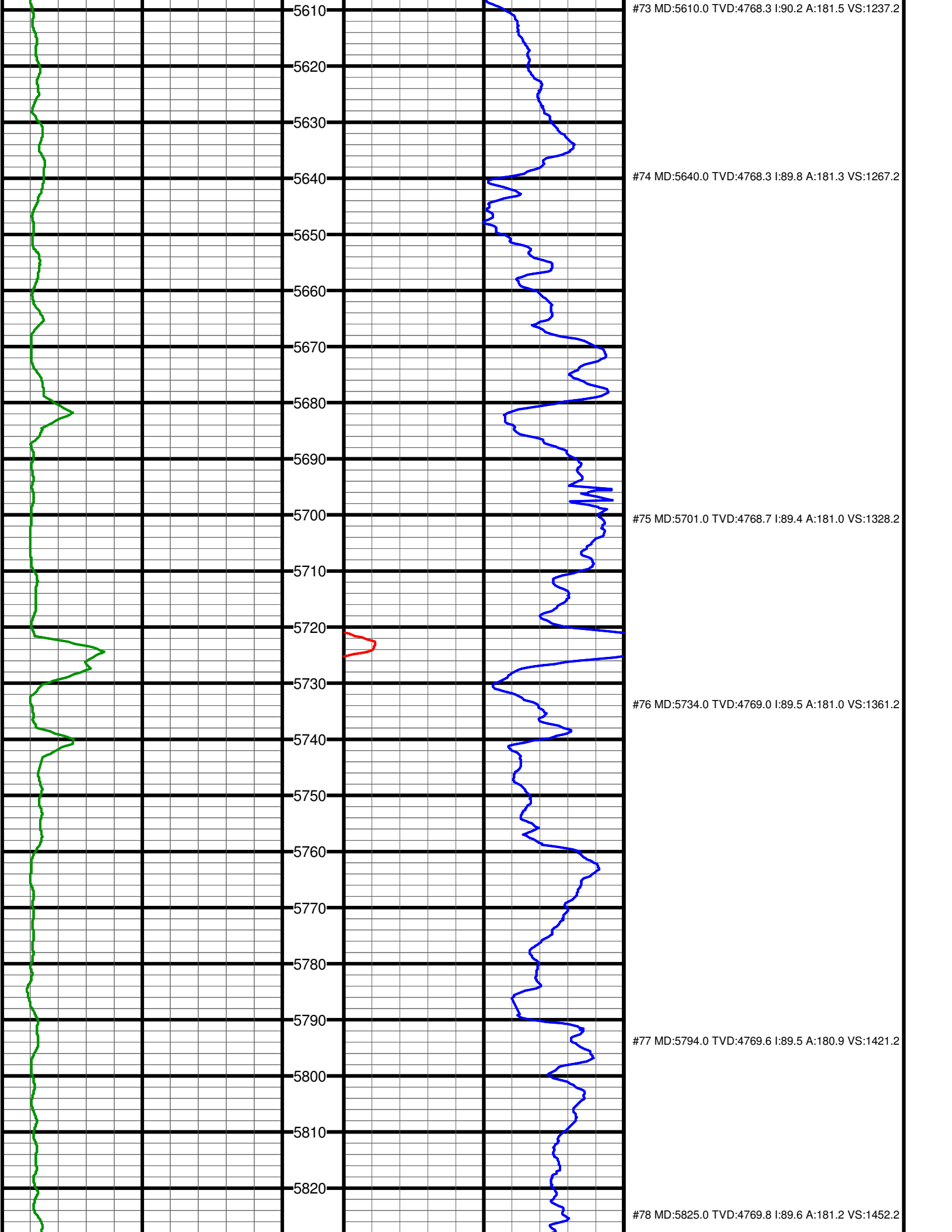
#63 MD:5278.0 TVD:4758.6 I:86.0 A:181.8 VS:905.5

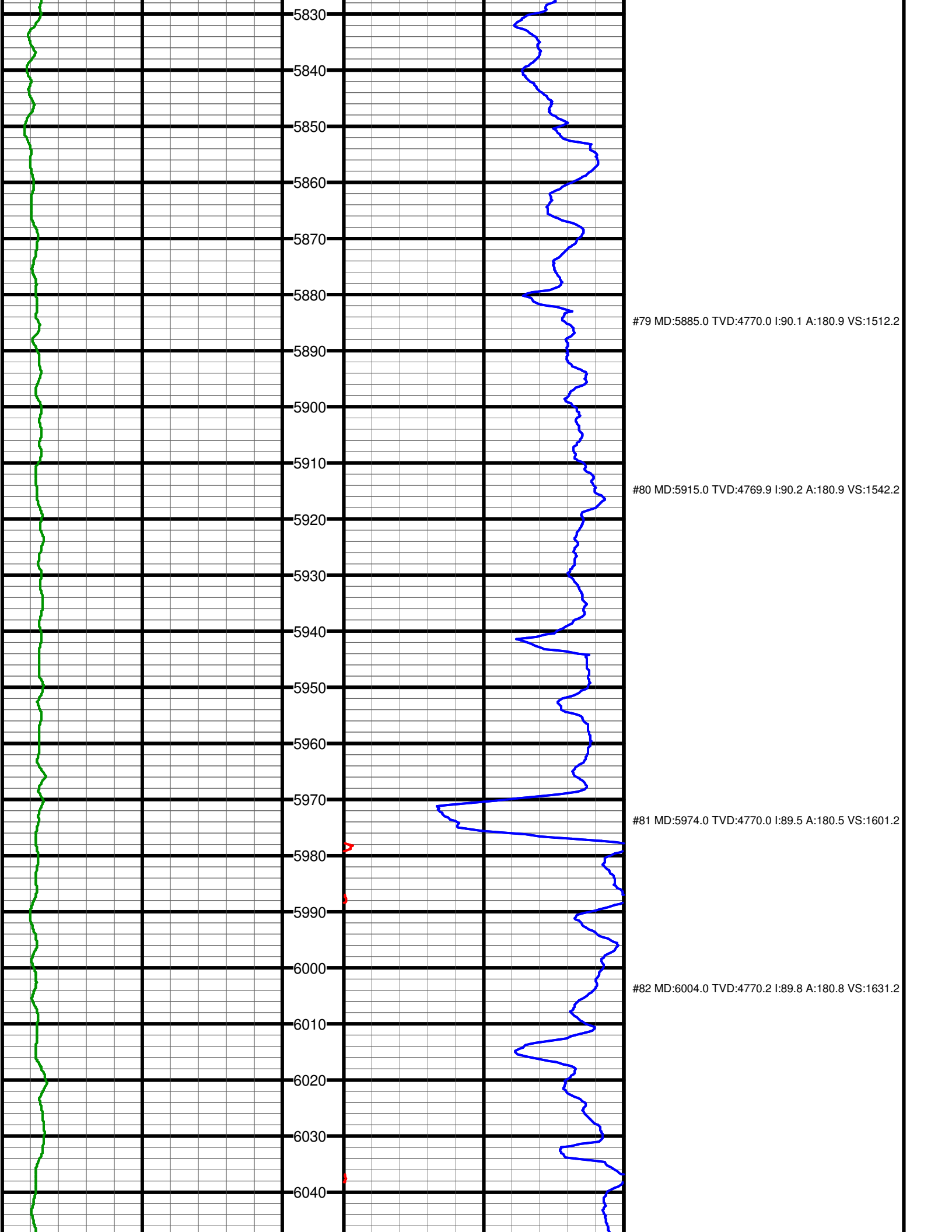
#64 MD:5308.0 TVD:4760.6 I:86.3 A:181.9 VS:935.4

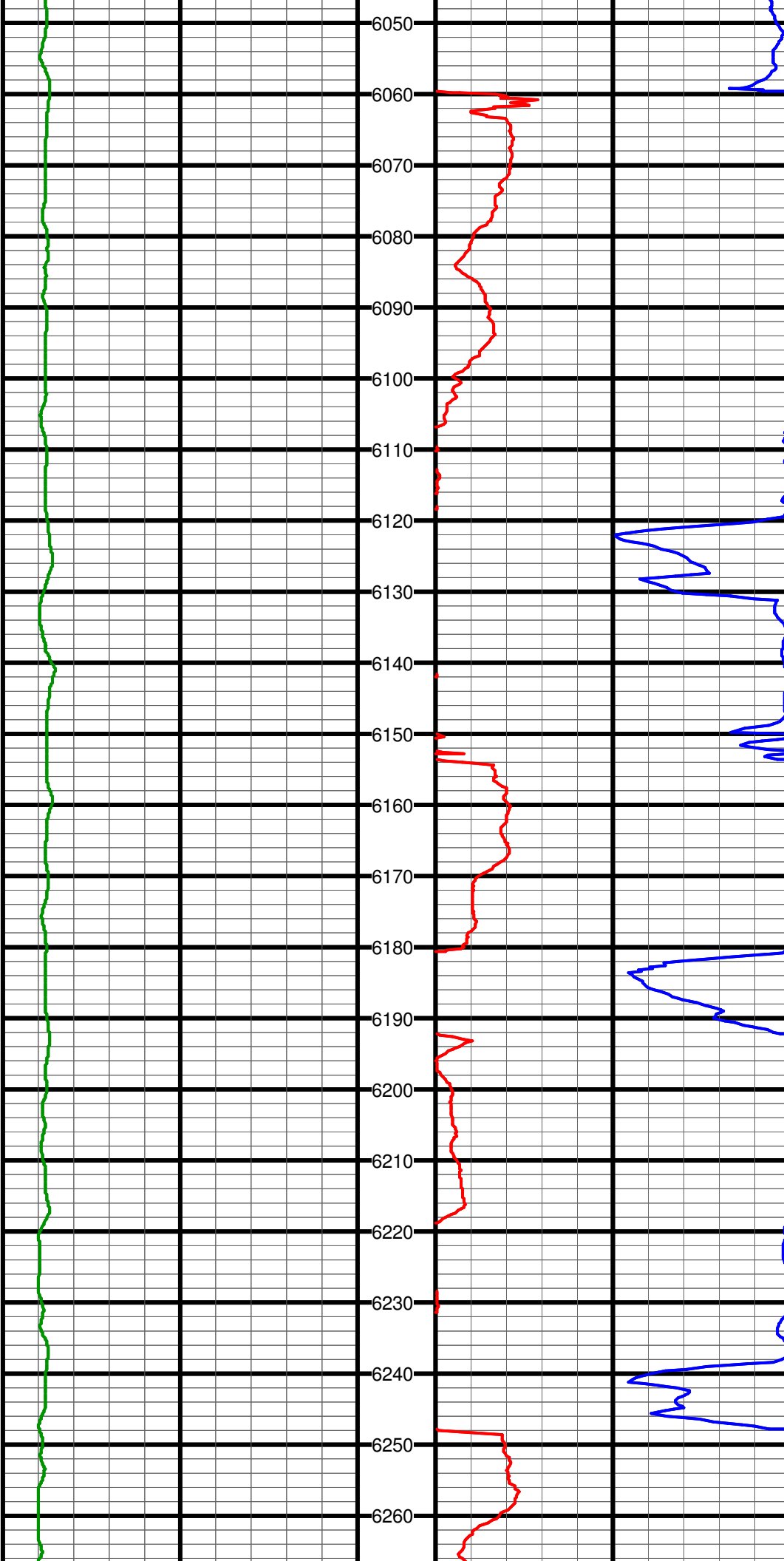
#65 MD:5337.0 TVD:4762.4 I:86.6 A:182.0 VS:964.4

#66 MD:5367.0 TVD:4764.0 I:87.4 A:181.7 VS:994.3









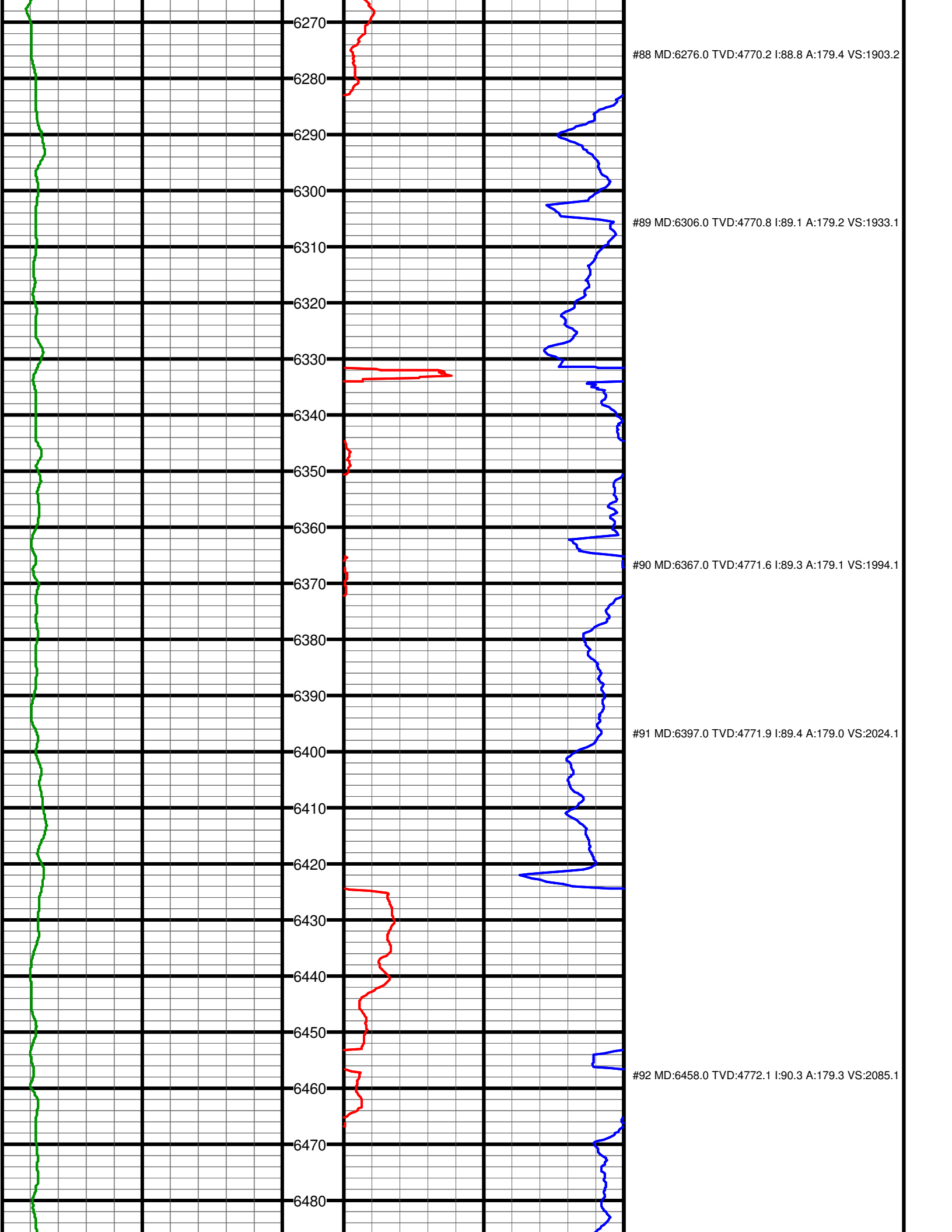
#83 MD:6064.0 TVD:4770.0 I:90.6 A:180.8 VS:1691.2

#84 MD:6095.0 TVD:4769.6 I:90.9 A:181.1 VS:1722.2

#85 MD:6125.0 TVD:4769.2 I:90.7 A:181.1 VS:1752.2

#86 MD:6185.0 TVD:4768.9 I:89.9 A:180.7 VS:1812.2

#87 MD:6245.0 TVD:4769.6 I:88.8 A:179.6 VS:1872.2



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#88 MD:6276.0 TVD:4770.2 I:88.8 A:179.4 VS:1903.2

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#89 MD:6306.0 TVD:4770.8 I:89.1 A:179.2 VS:1933.1

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#90 MD:6367.0 TVD:4771.6 I:89.3 A:179.1 VS:1994.1

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#91 MD:6397.0 TVD:4771.9 I:89.4 A:179.0 VS:2024.1

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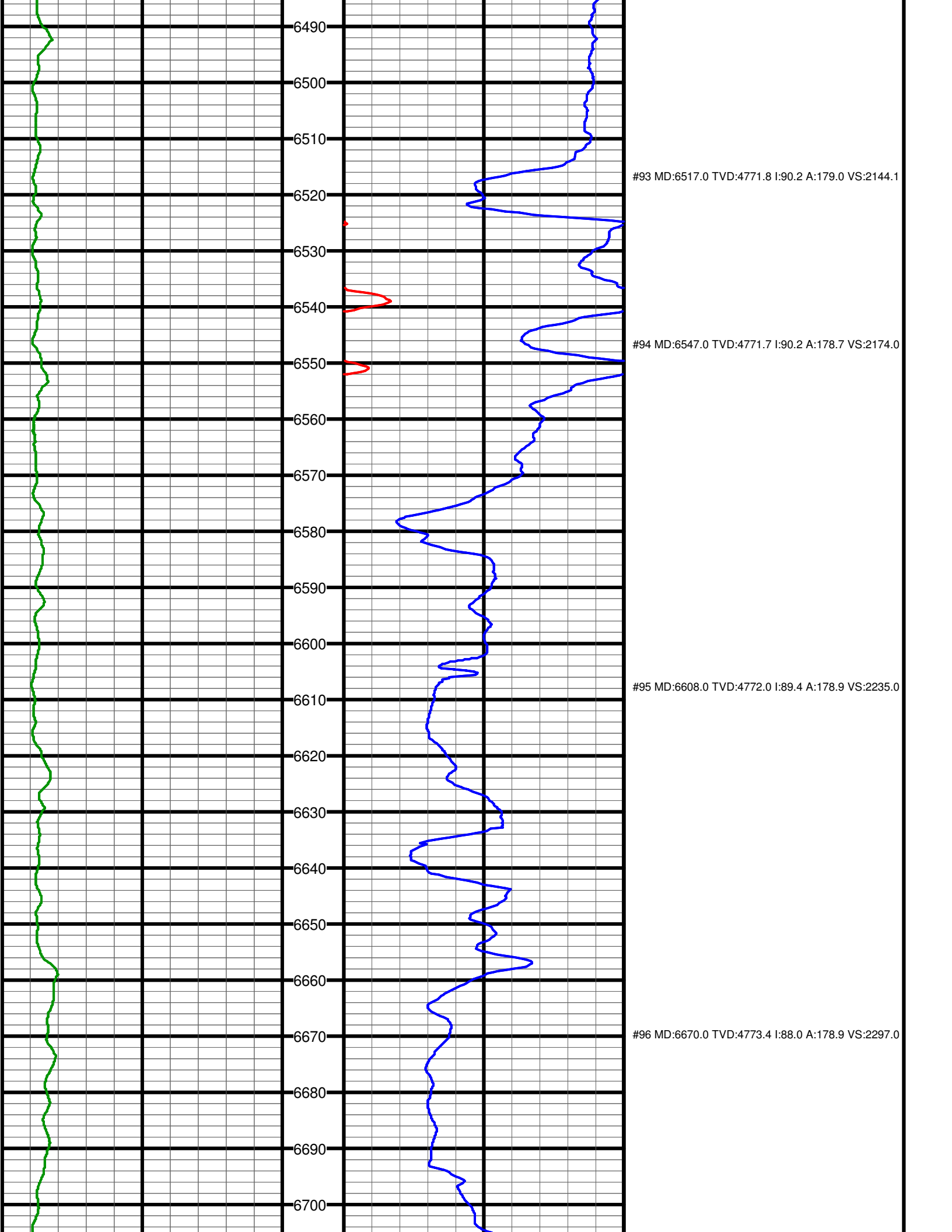
#92 MD:6458.0 TVD:4772.1 I:90.3 A:179.3 VS:2085.1

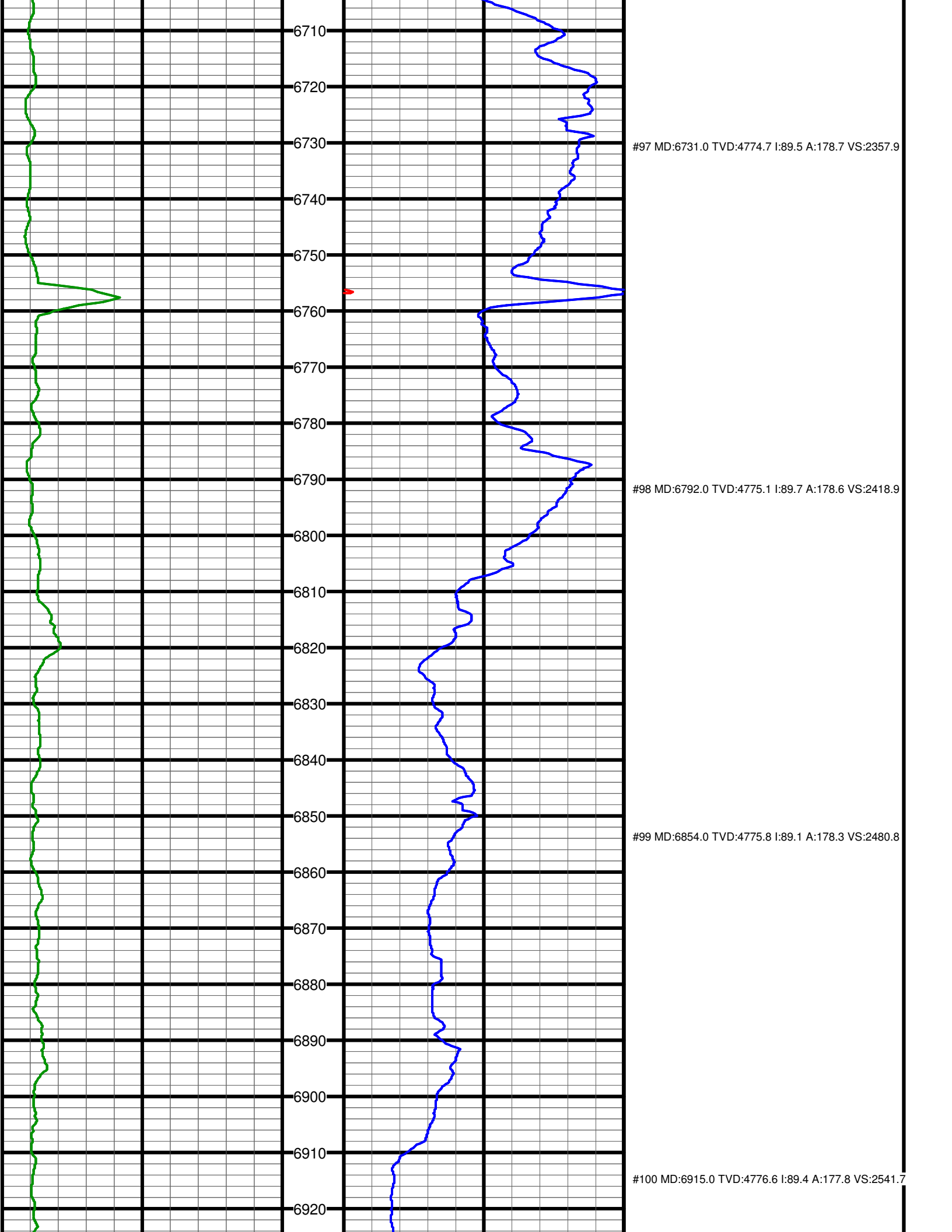
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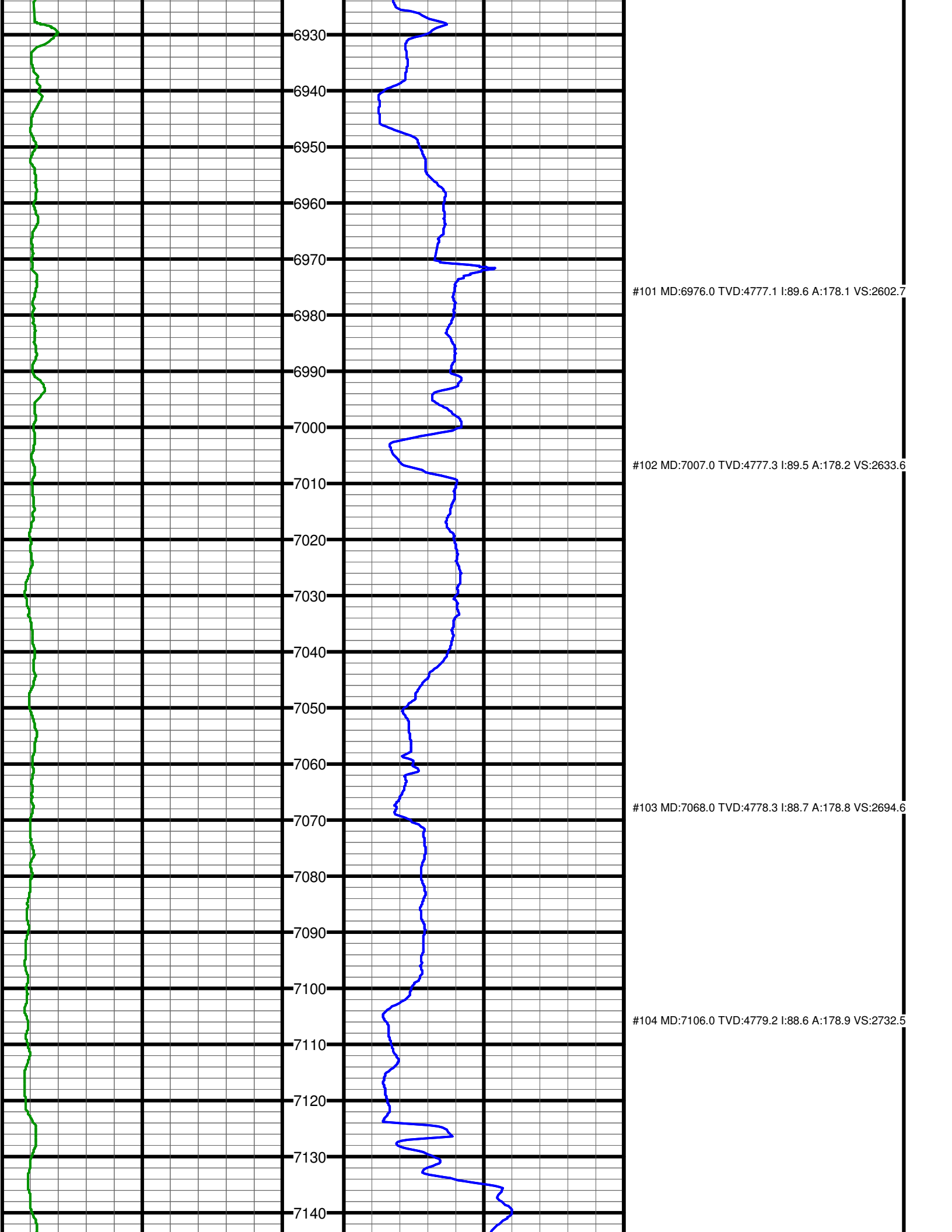


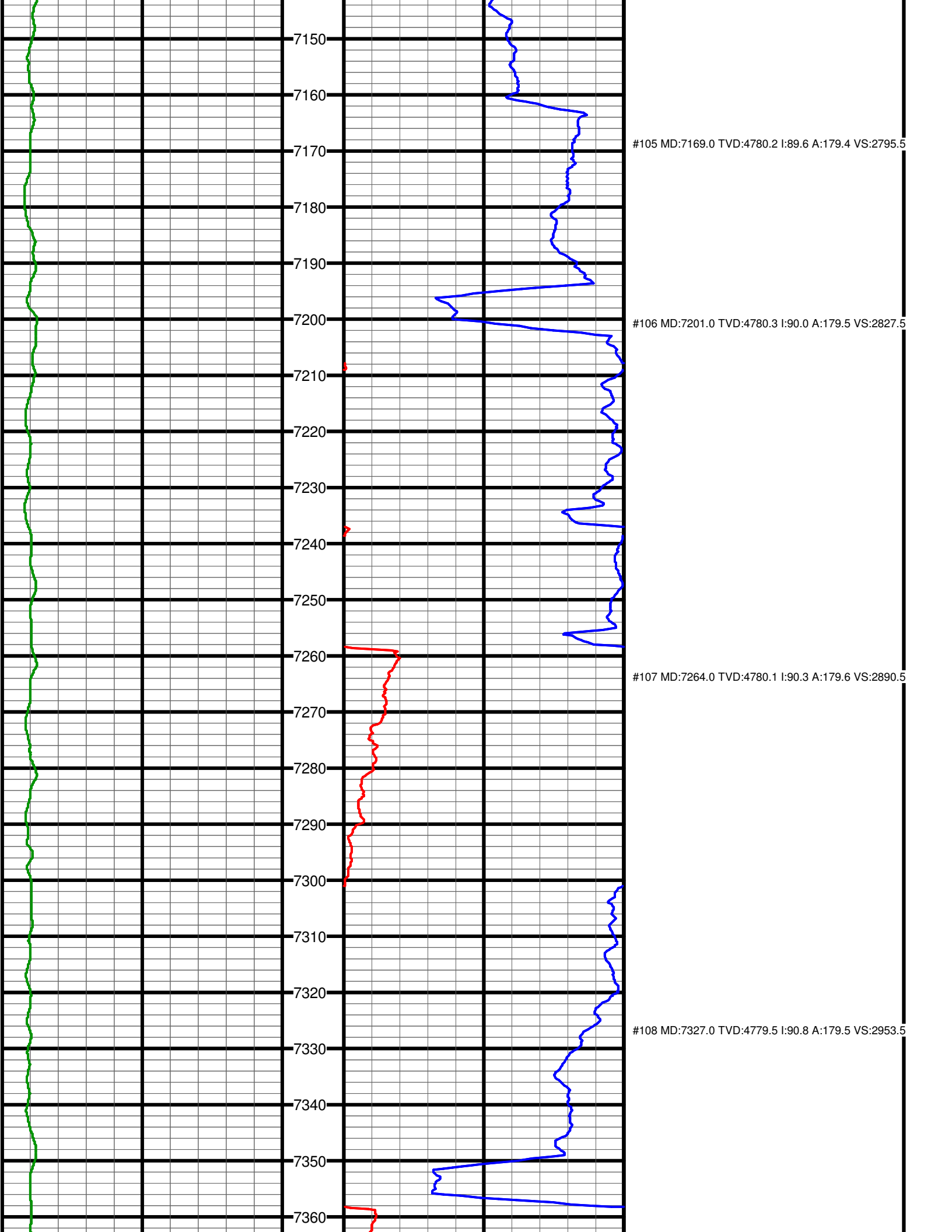
#97 MD:6731.0 TVD:4774.7 I:89.5 A:178.7 VS:2357.9

#98 MD:6792.0 TVD:4775.1 I:89.7 A:178.6 VS:2418.9

#99 MD:6854.0 TVD:4775.8 I:89.1 A:178.3 VS:2480.8

#100 MD:6915.0 TVD:4776.6 I:89.4 A:177.8 VS:2541.7





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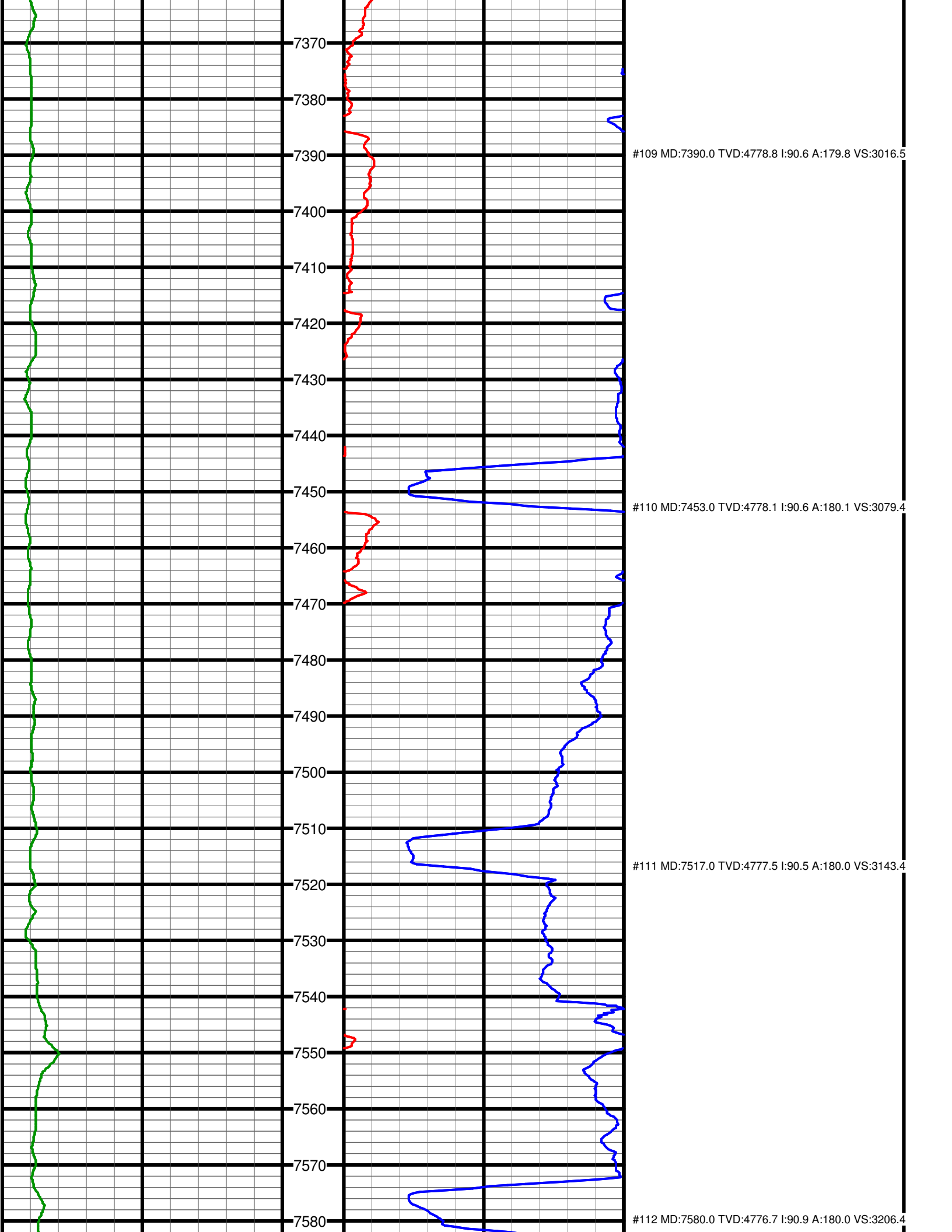
7360

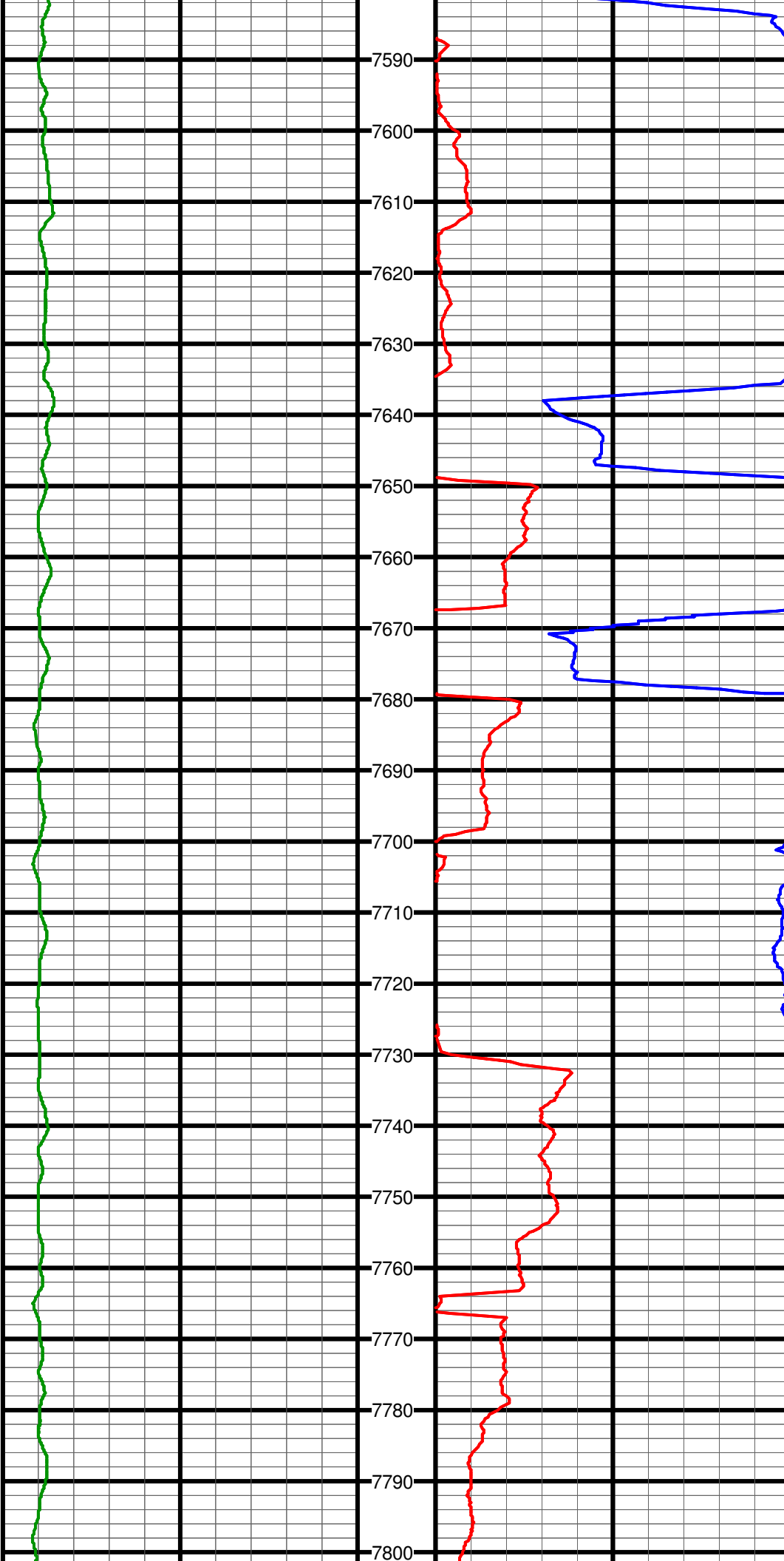
#105 MD:7169.0 TVD:4780.2 I:89.6 A:179.4 VS:2795.5

#106 MD:7201.0 TVD:4780.3 I:90.0 A:179.5 VS:2827.5

#107 MD:7264.0 TVD:4780.1 I:90.3 A:179.6 VS:2890.5

#108 MD:7327.0 TVD:4779.5 I:90.8 A:179.5 VS:2953.5

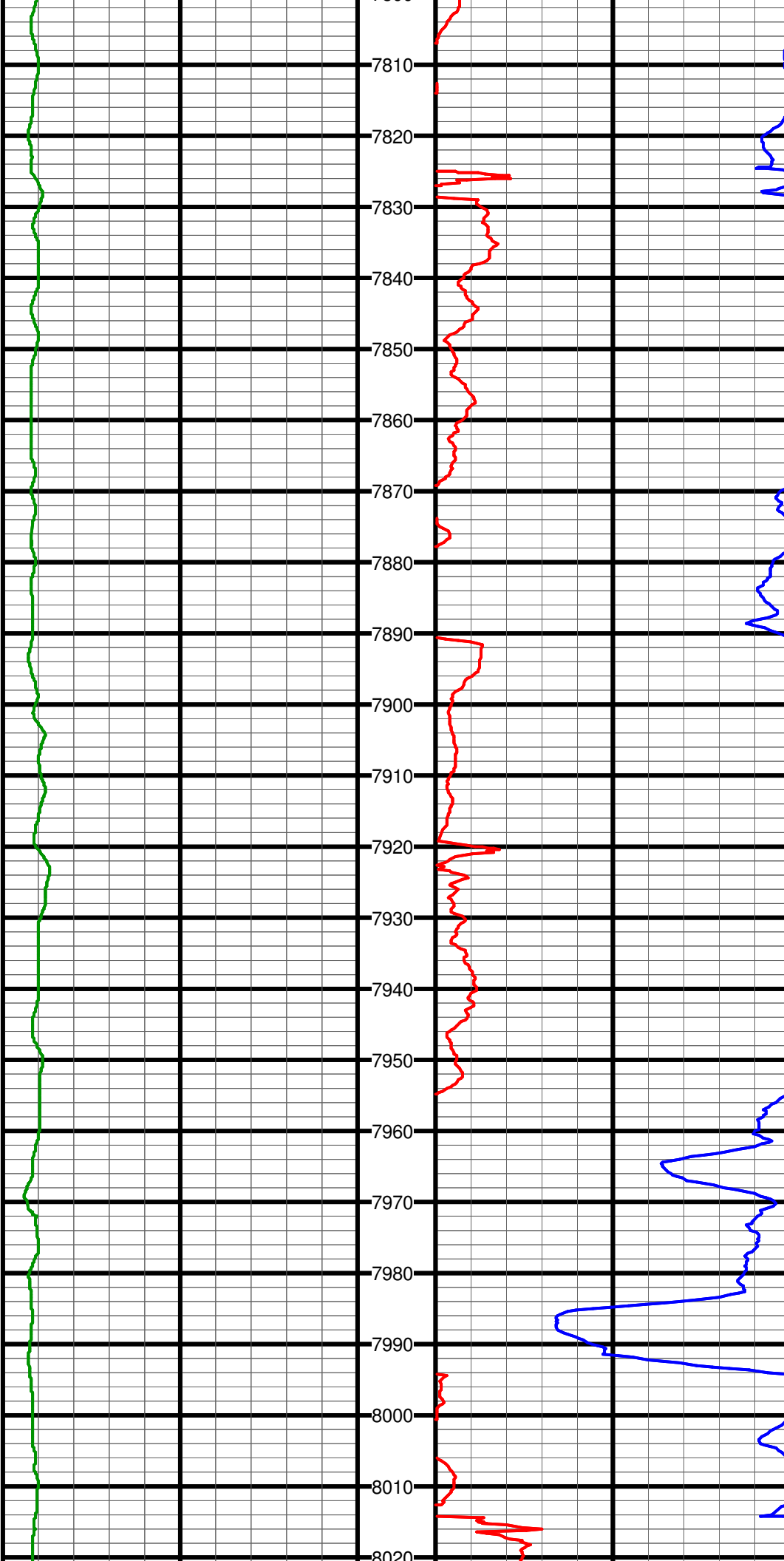




#113 MD:7643.0 TVD:4776.1 I:90.2 A:180.3 VS:3269.4

#114 MD:7706.0 TVD:4776.4 I:89.3 A:180.6 VS:3332.4

#115 MD:7769.0 TVD:4777.0 I:89.6 A:180.8 VS:3395.4



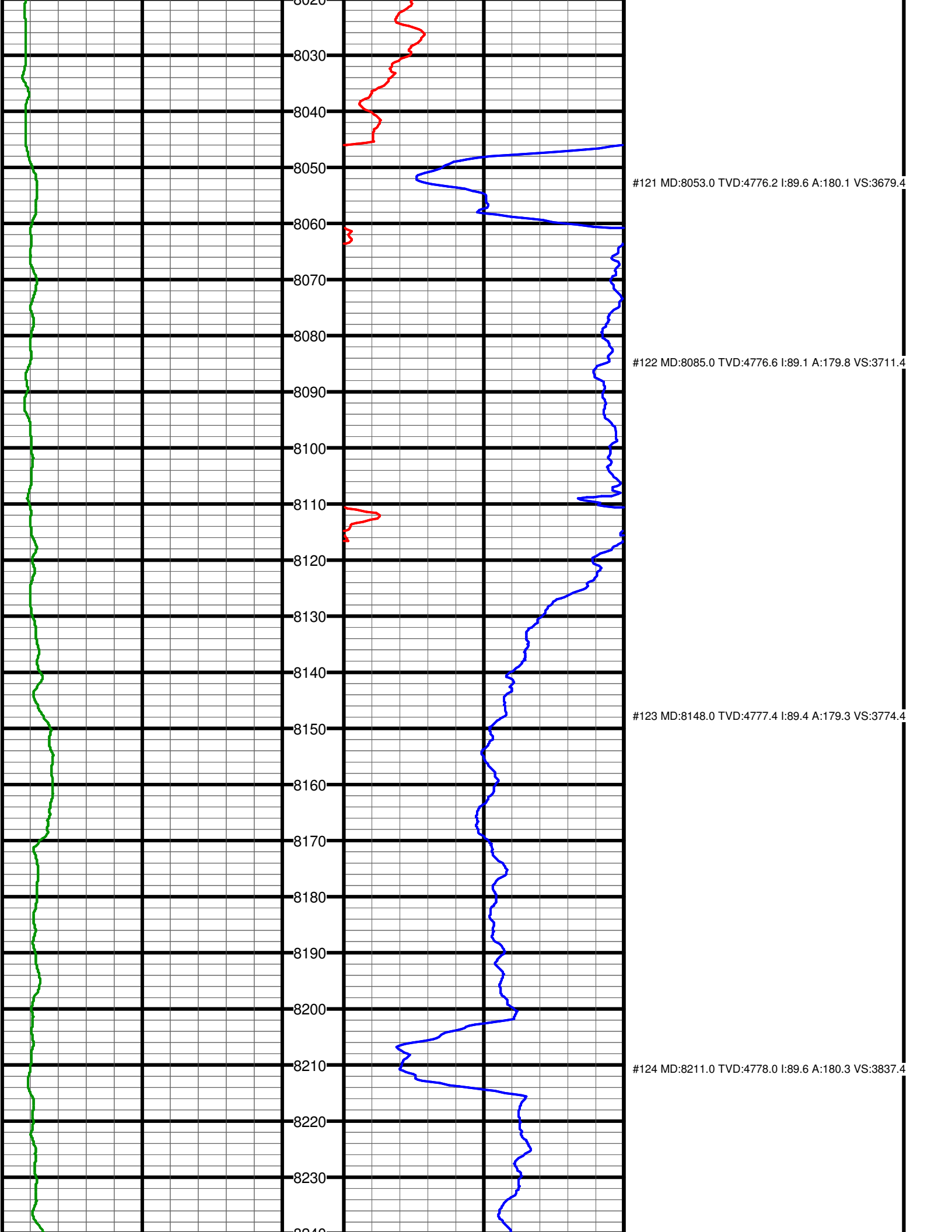
#116 MD:7832.0 TVD:4777.3 I:89.8 A:180.5 VS:3458.4

#117 MD:7864.0 TVD:4777.3 I:90.1 A:180.4 VS:3490.4

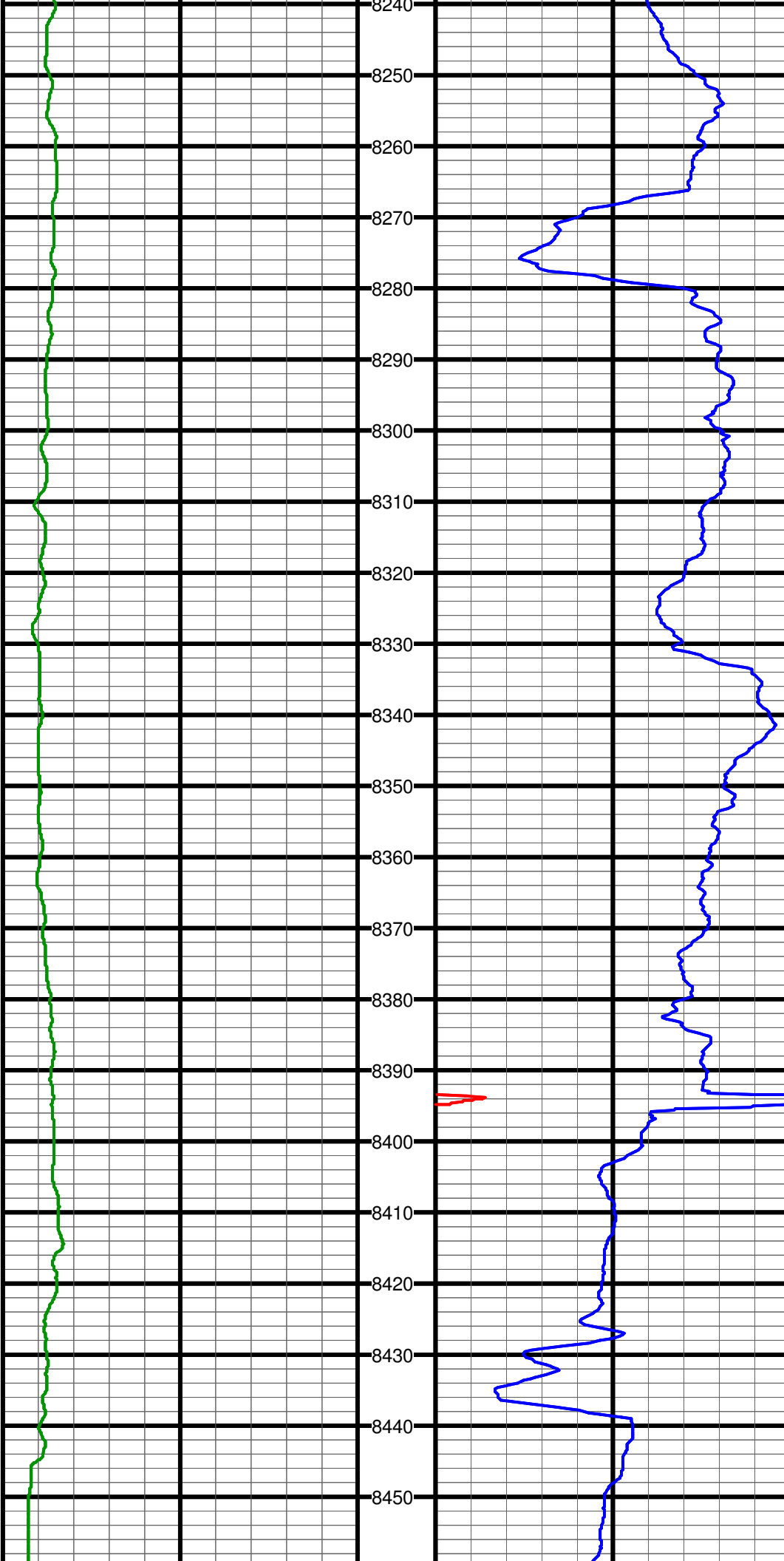
#118 MD:7927.0 TVD:4777.1 I:90.4 A:180.0 VS:3553.4

#119 MD:7959.0 TVD:4776.7 I:90.8 A:180.1 VS:3585.4

#120 MD:7990.0 TVD:4776.4 I:90.6 A:180.1 VS:3616.4







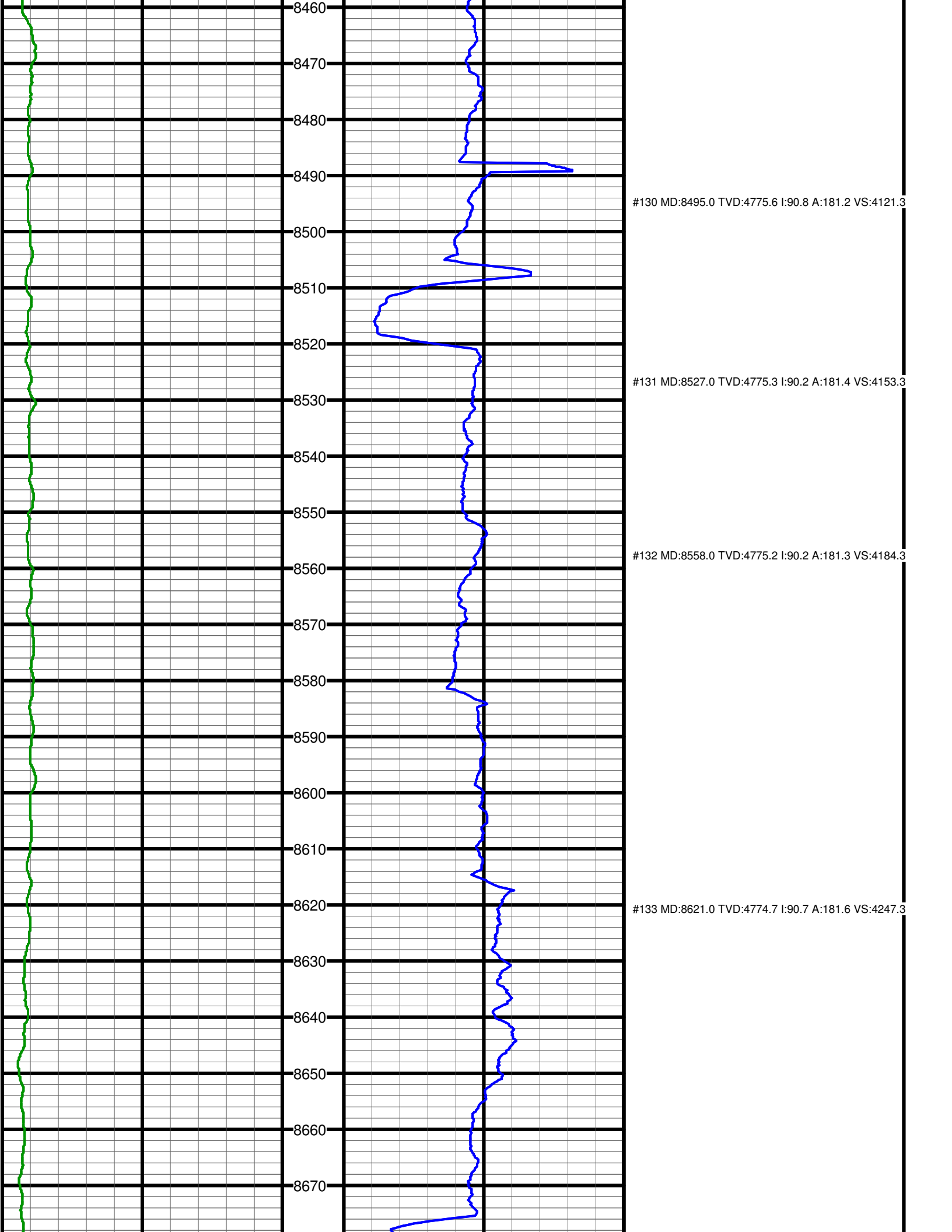
#125 MD:8242.0 TVD:4778.1 I:90.1 A:180.7 VS:3868.4

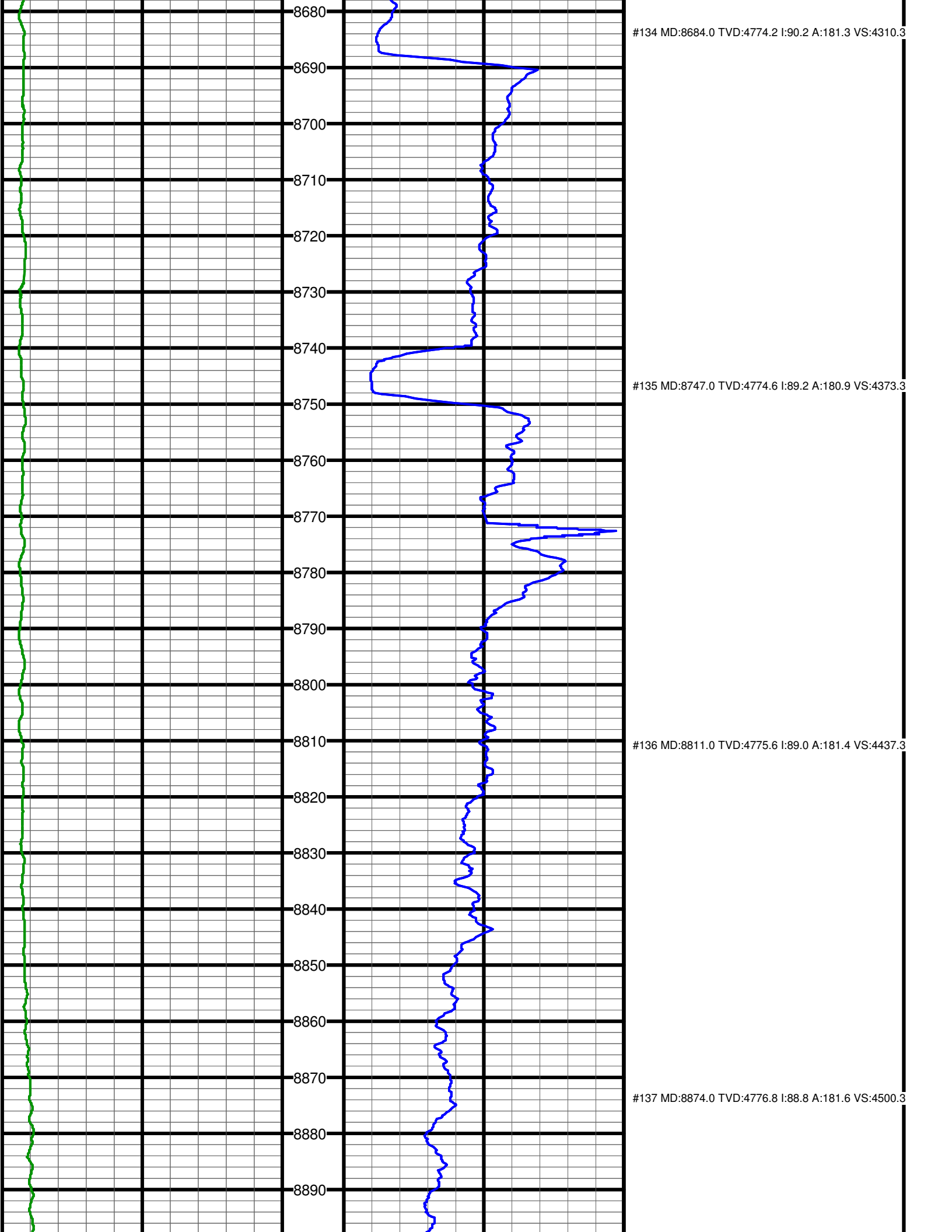
#126 MD:8274.0 TVD:4778.0 I:90.3 A:180.3 VS:3900.4

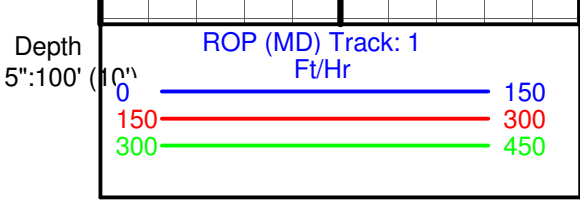
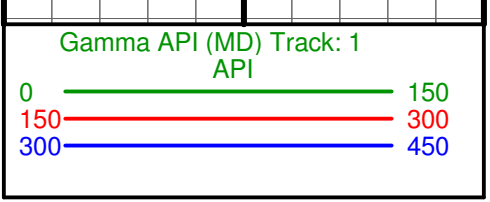
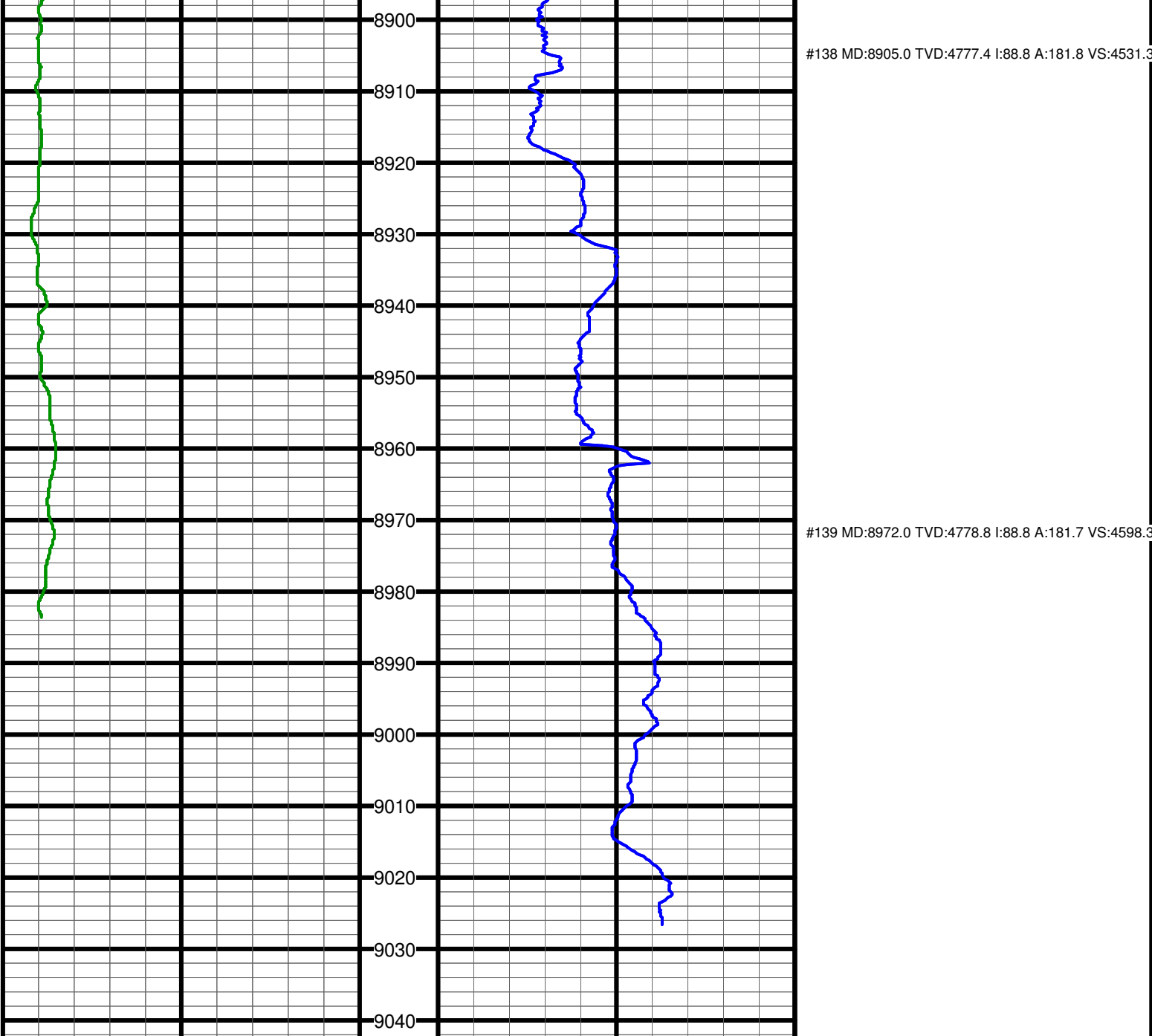
#127 MD:8337.0 TVD:4777.5 I:90.6 A:180.9 VS:3963.4

#128 MD:8369.0 TVD:4777.1 I:90.7 A:180.8 VS:3995.4

#129 MD:8432.0 TVD:4776.4 I:90.6 A:180.4 VS:4058.4







Depth  
5":100' (10")

