



Cathedral Energy Services  
1949 North Pyrite Road  
Casper, Wyoming 82604

155067

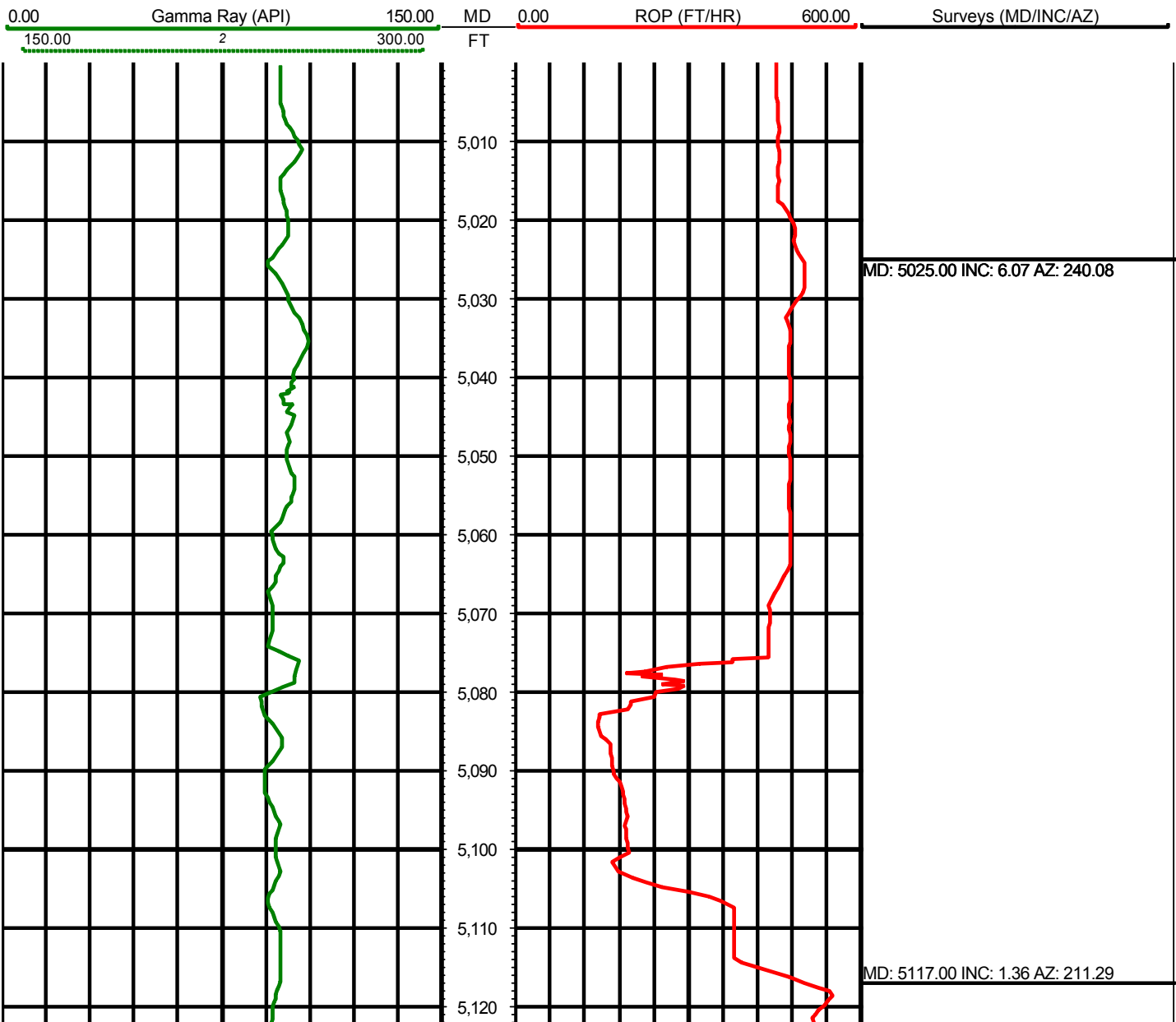
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2/6/2015 8:56:15 PM

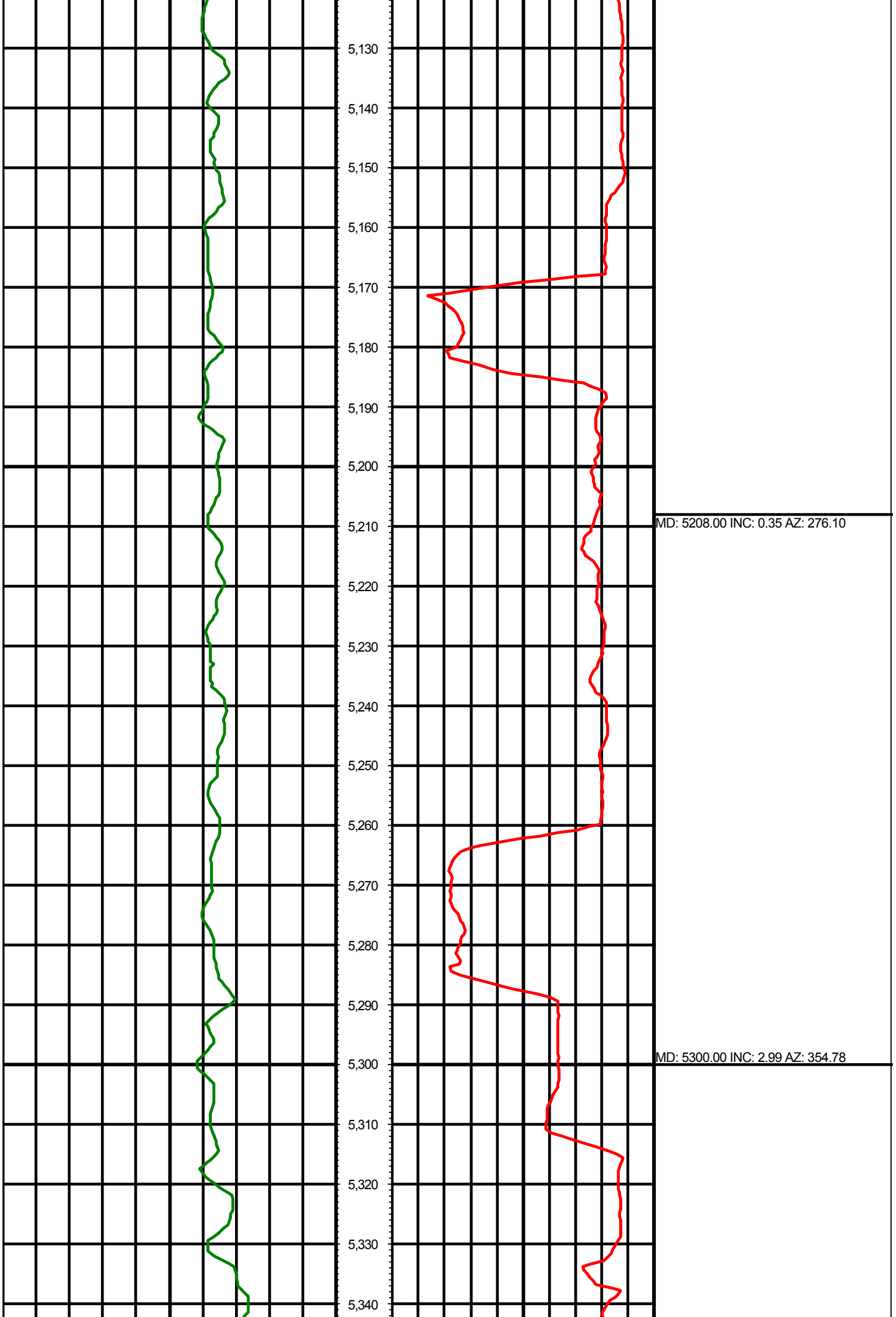
**Oper. Company:** Whiting Petroleum  
**Country:** U.S.A  
**State / Province:** Colorado  
**County / Parish:** Weld  
**Started:** 02/01/2015 07:30 PM

**API/UWI:** 05-123-38731-00  
**Field:** DJ Basin  
**Well:** Razor 11G-0209A  
**Rig:** Xtreme 18  
**Ended:**

Gamma Ray  
Section Plane:S11-T10N-R58W  
Magnetic North:7.47  
Gamma Attenuation Factor:2.762  
Gamma Averaging:1

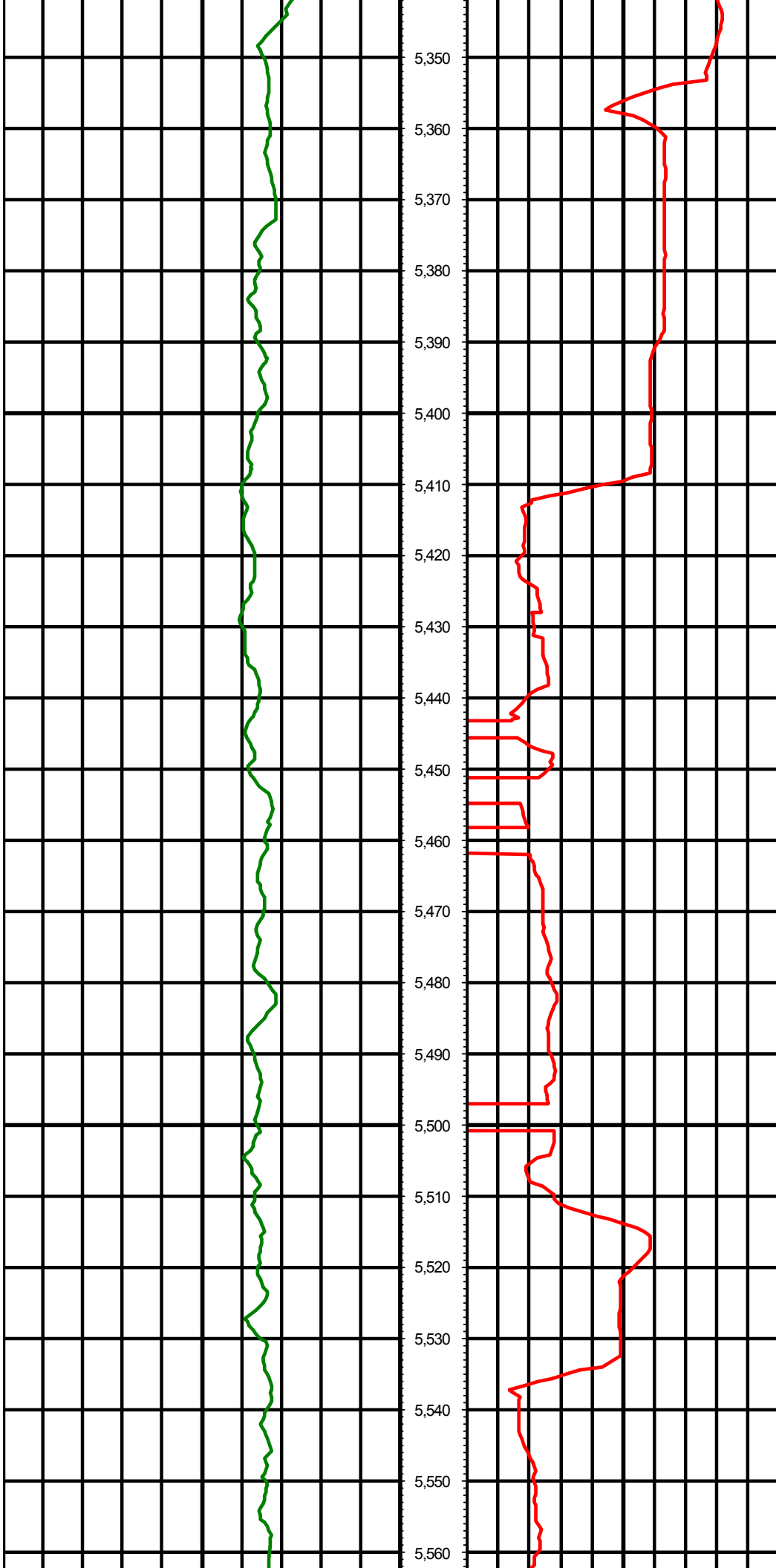
*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.*





MD: 5208.00 INC: 0.35 AZ: 276.10

MD: 5300.00 INC: 2.99 AZ: 354.78



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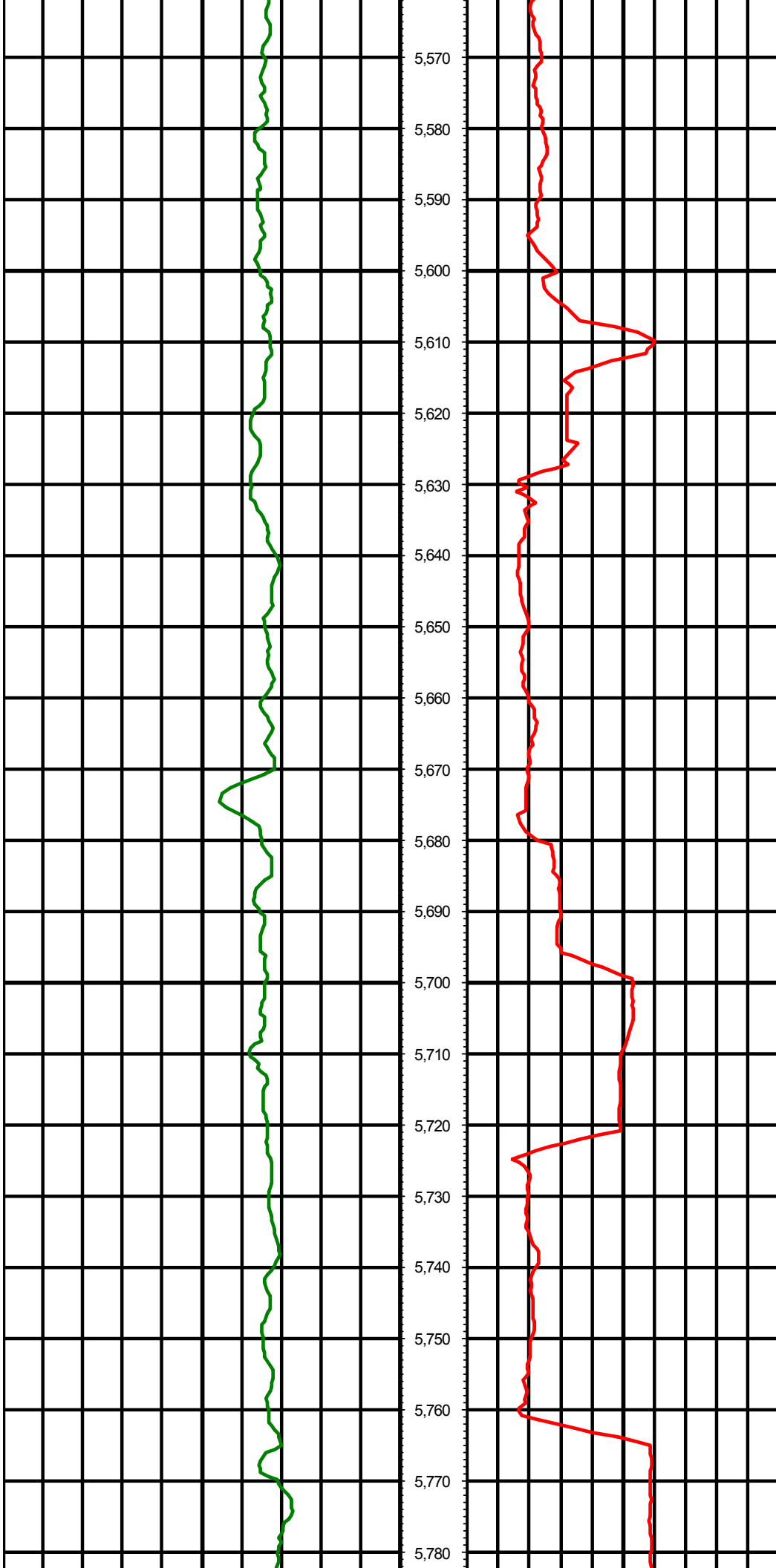
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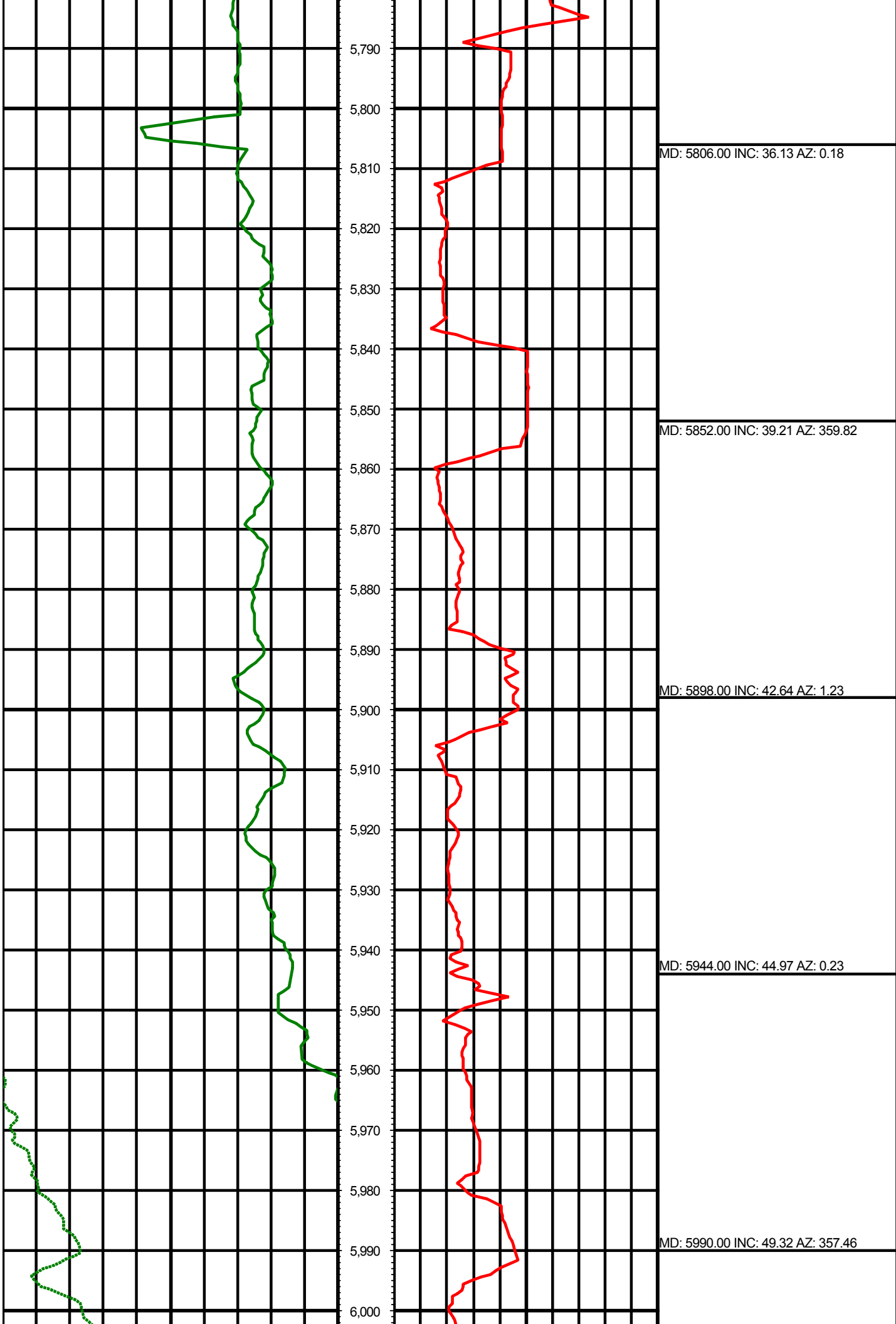
MD: 5484.00 INC: 13.14 AZ: 6.04

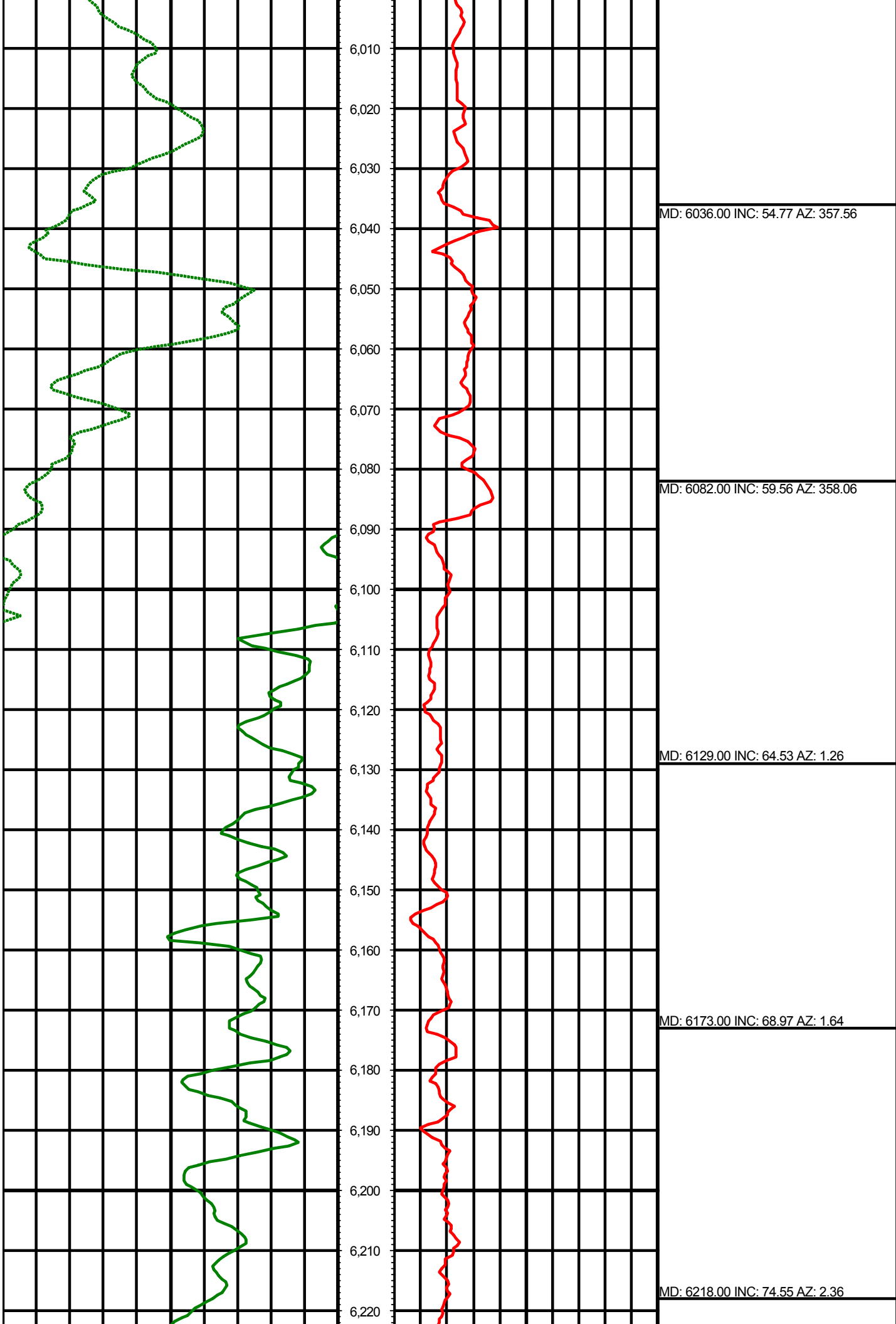


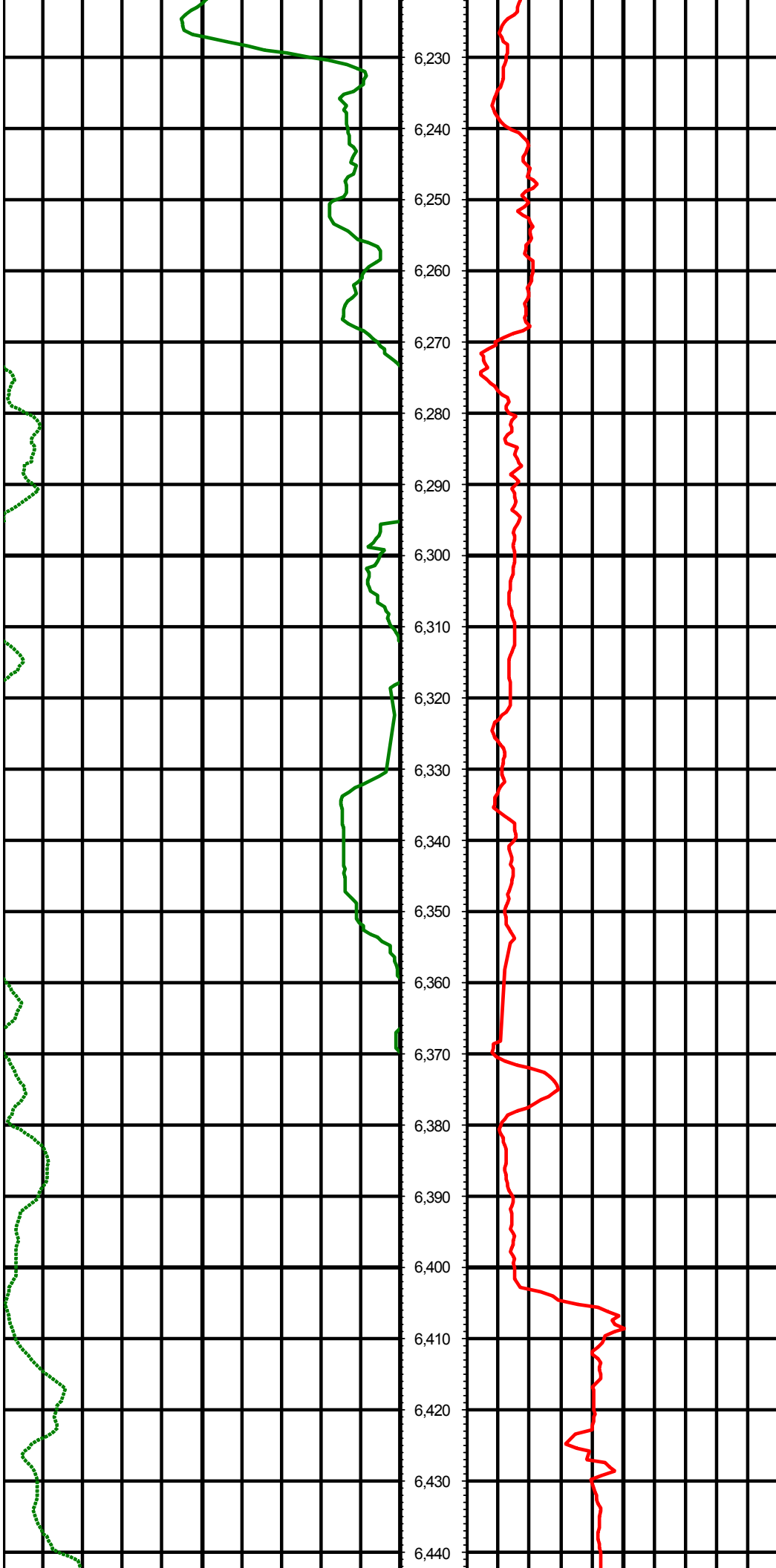
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MD: 5669.00 INC: 29.80 AZ: 359.88

MD: 5760.00 INC: 35.65 AZ: 0.06

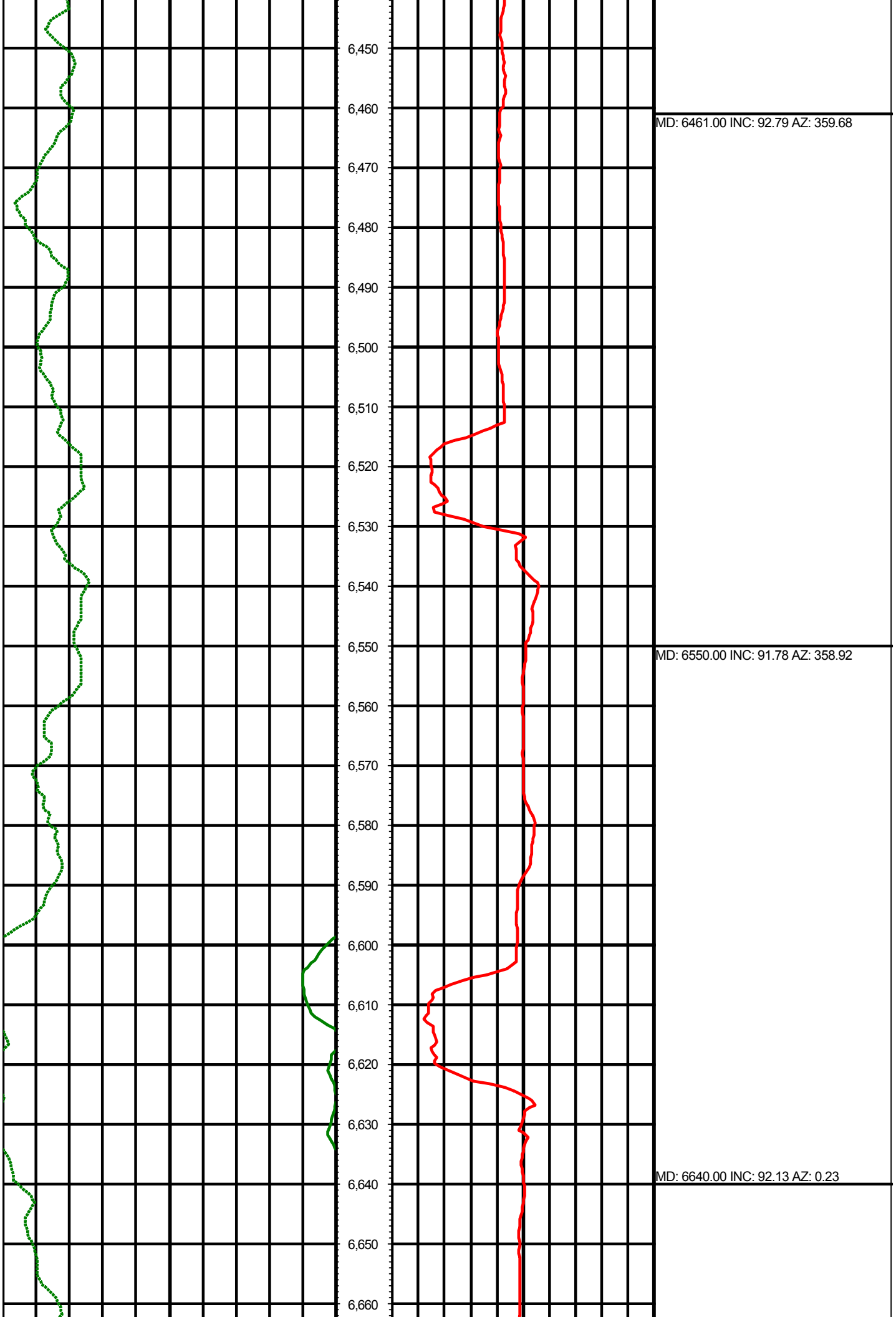




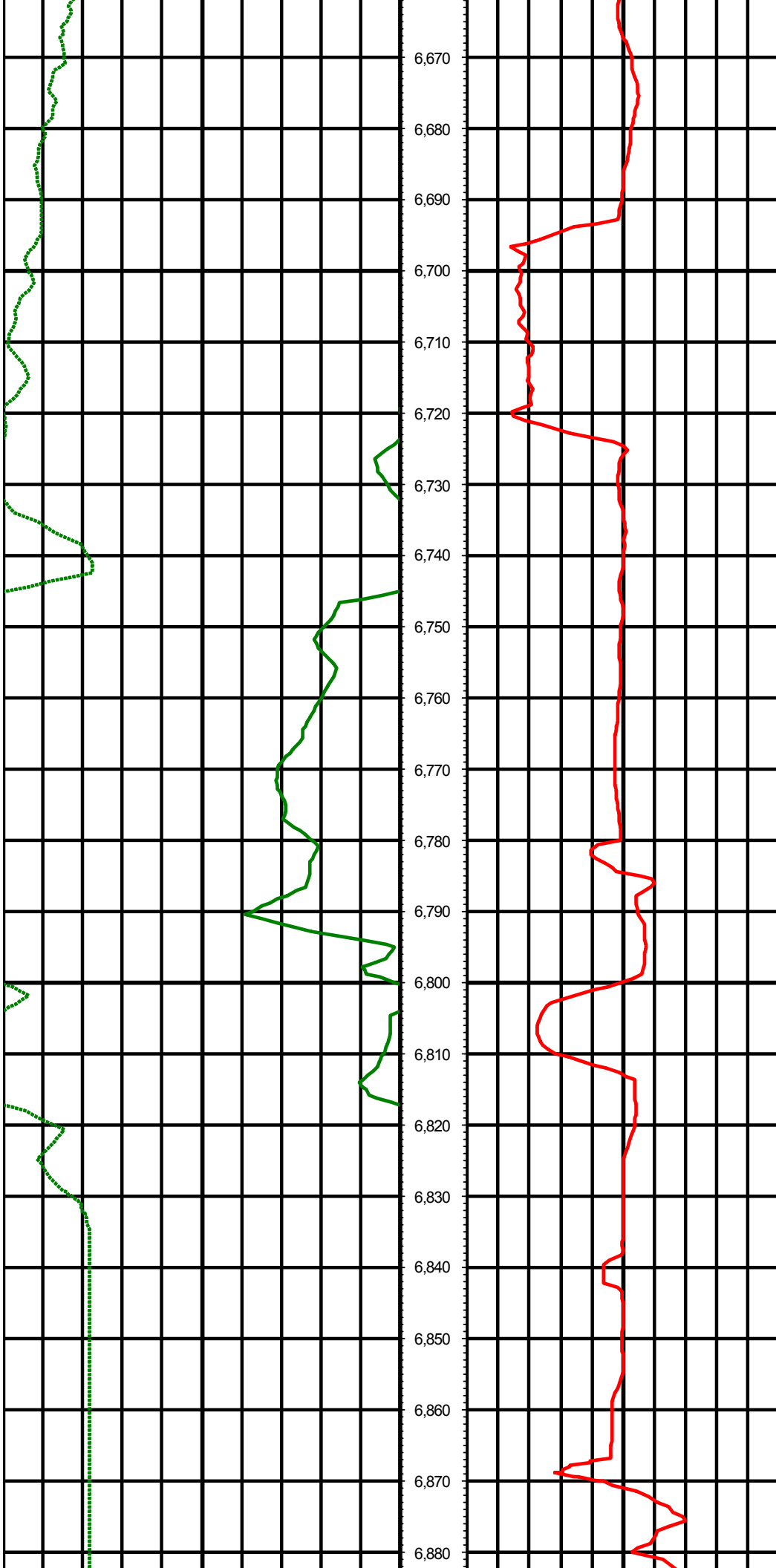


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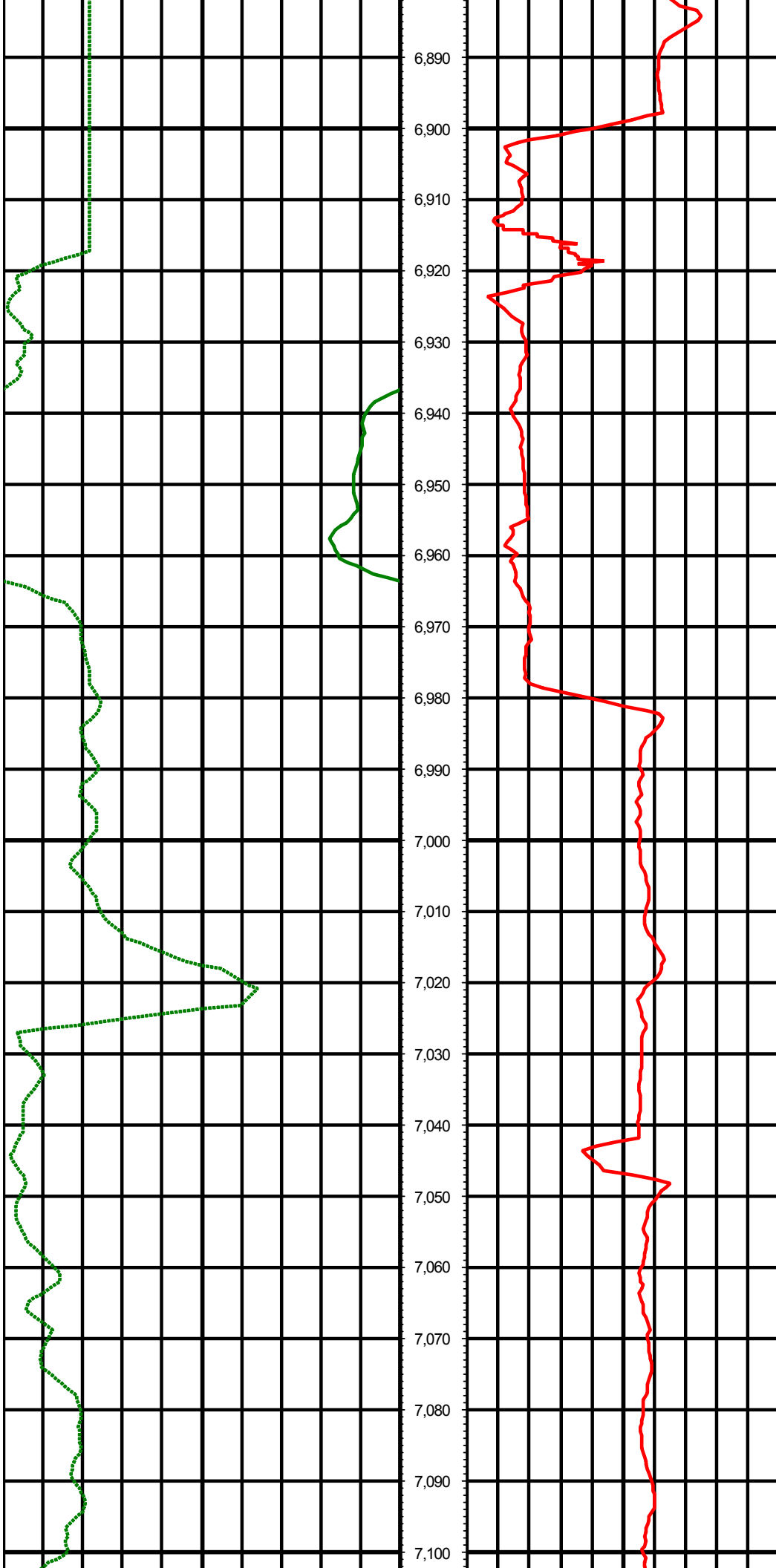
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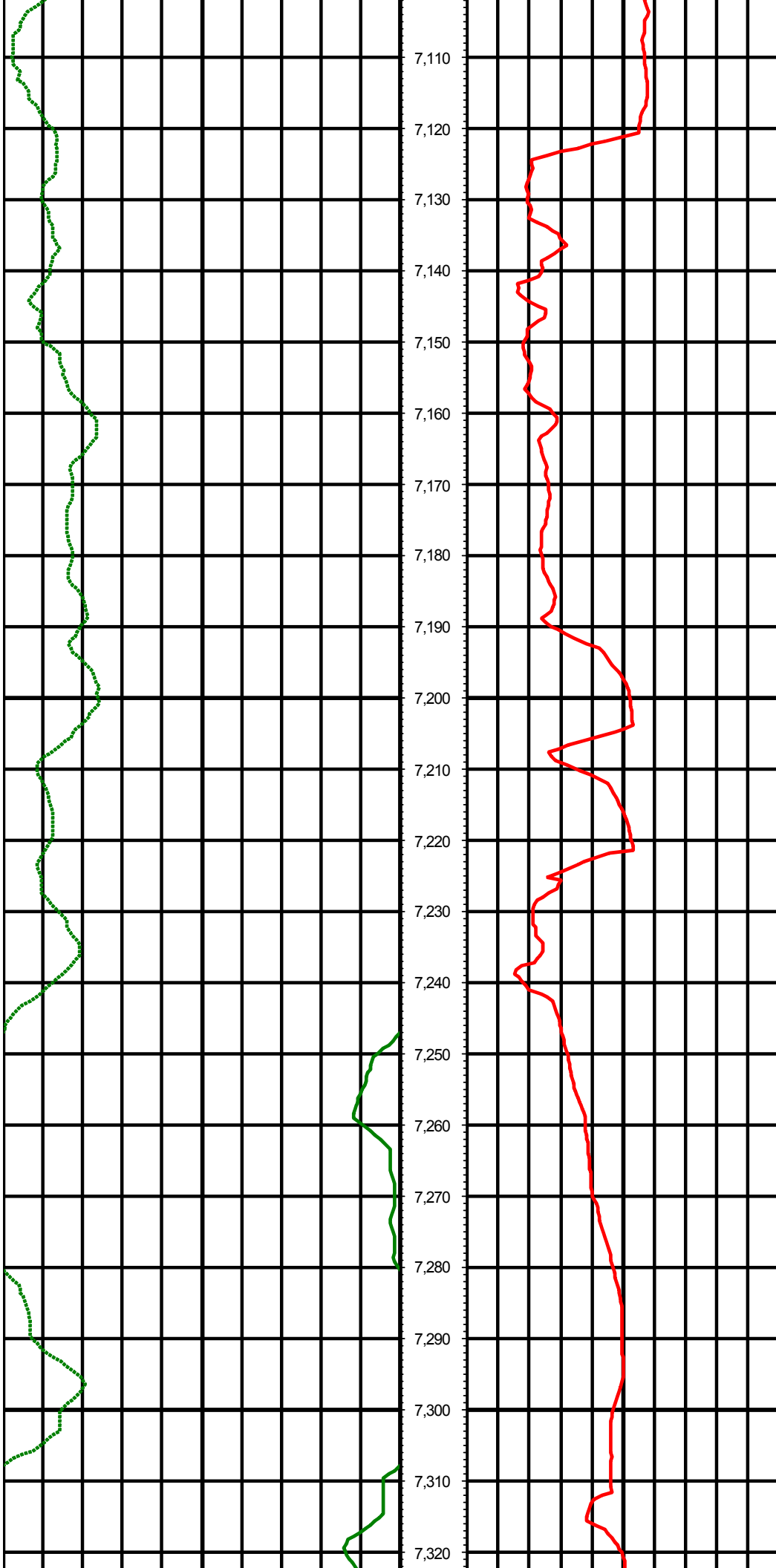
MD: 6727.00 INC: 89.41 AZ: 359.82



MD: 6906.00 INC: 88.53 AZ: 0.74

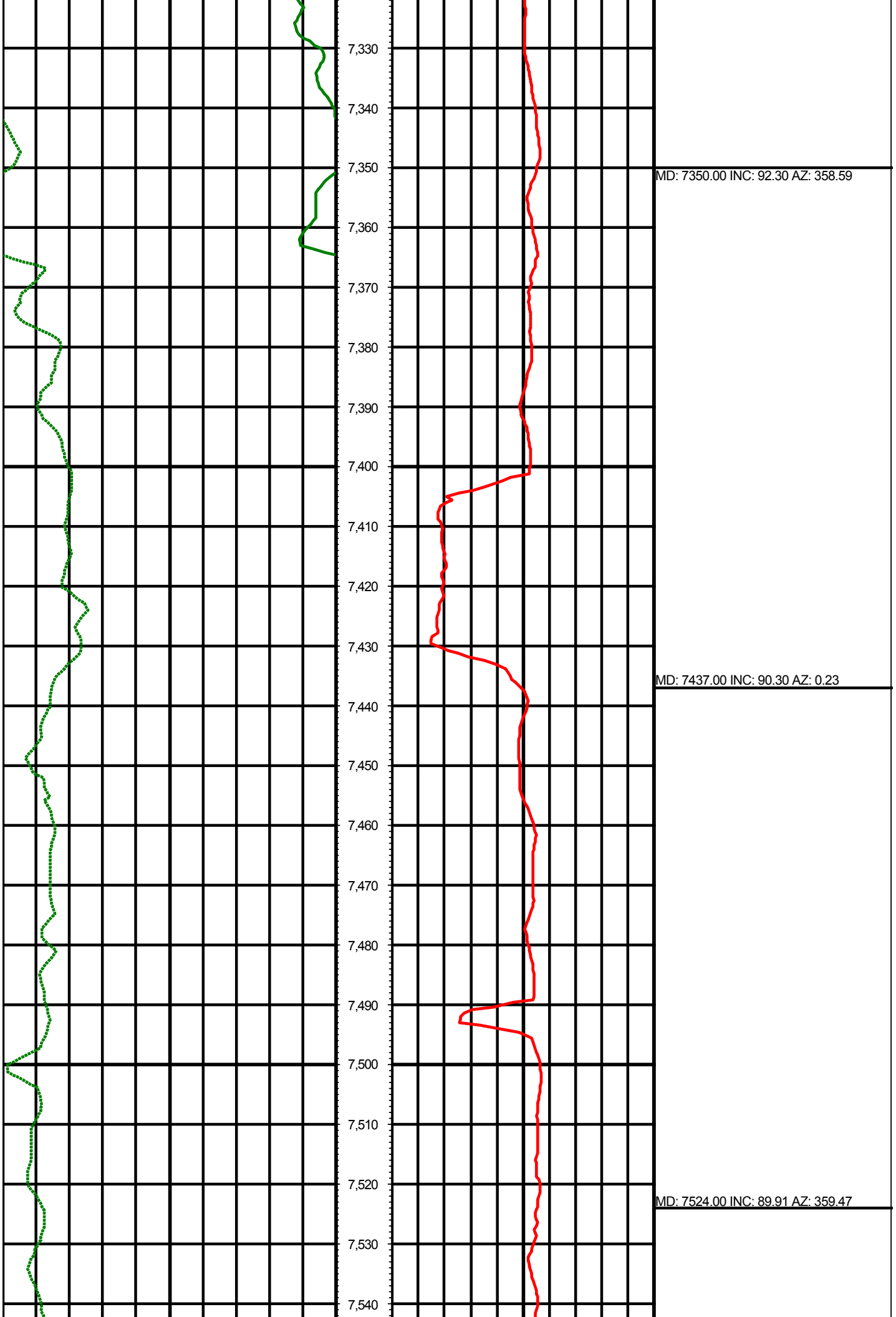
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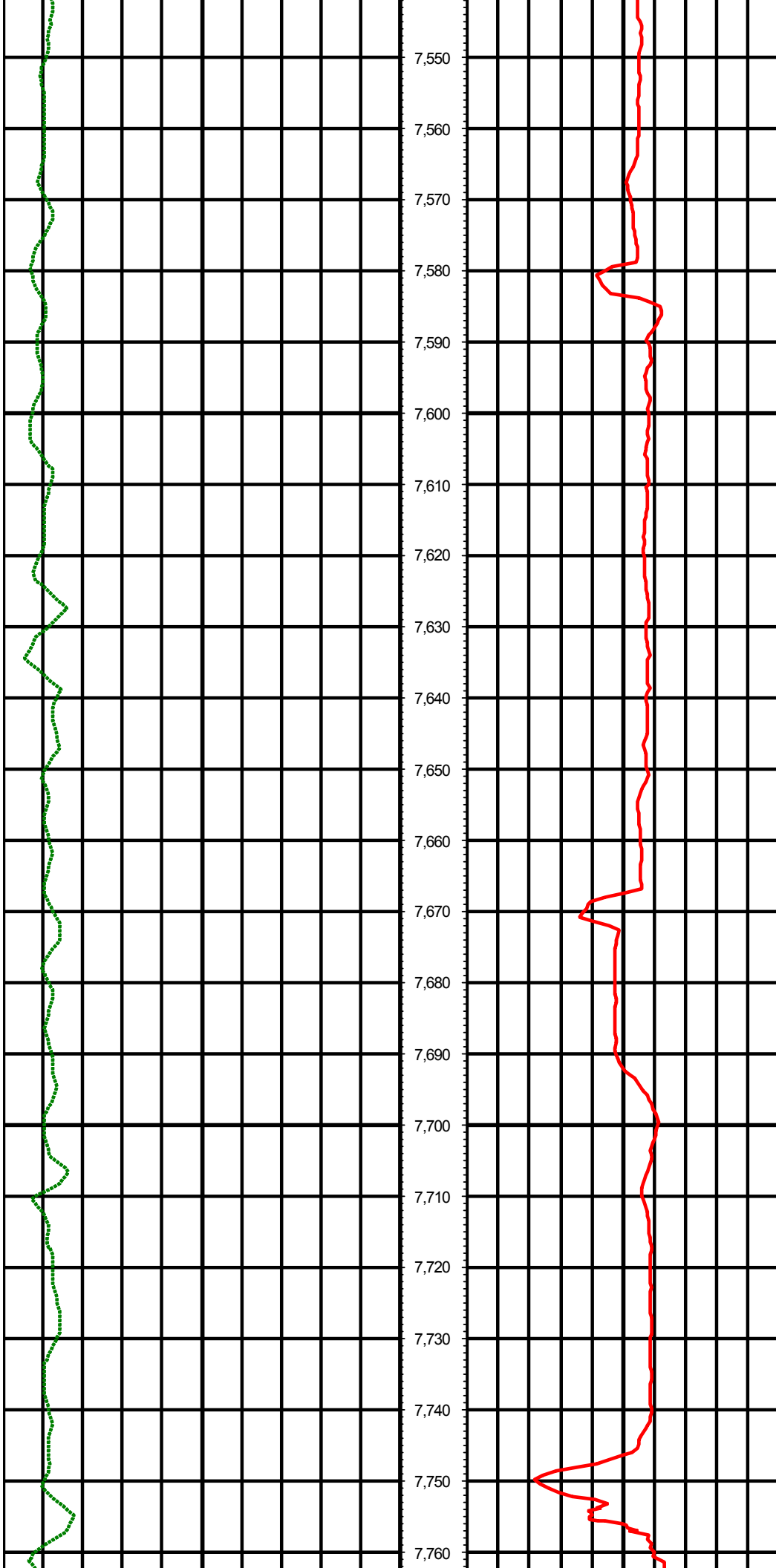
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MD: 7173.00 INC: 91.71 AZ: 359.94

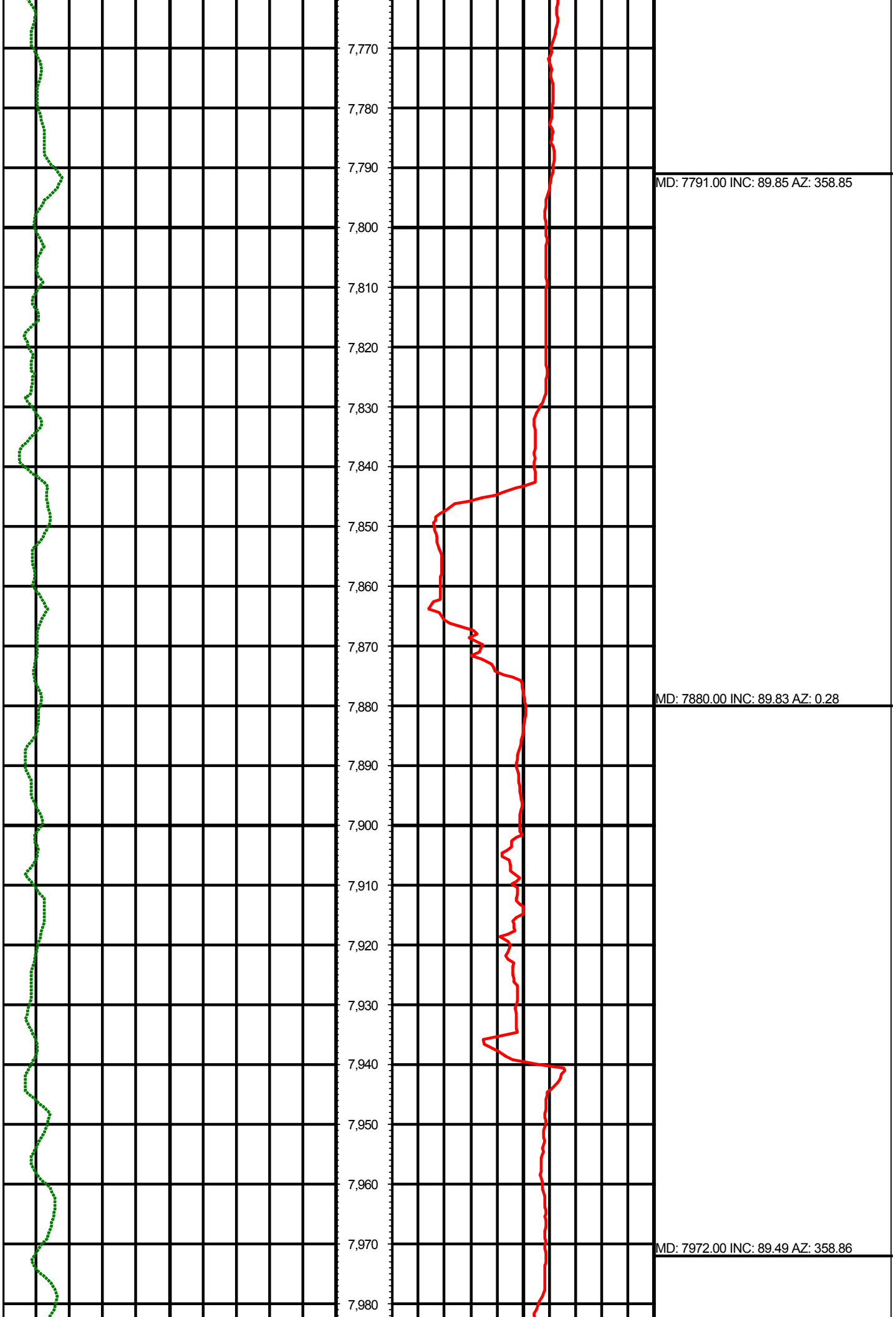
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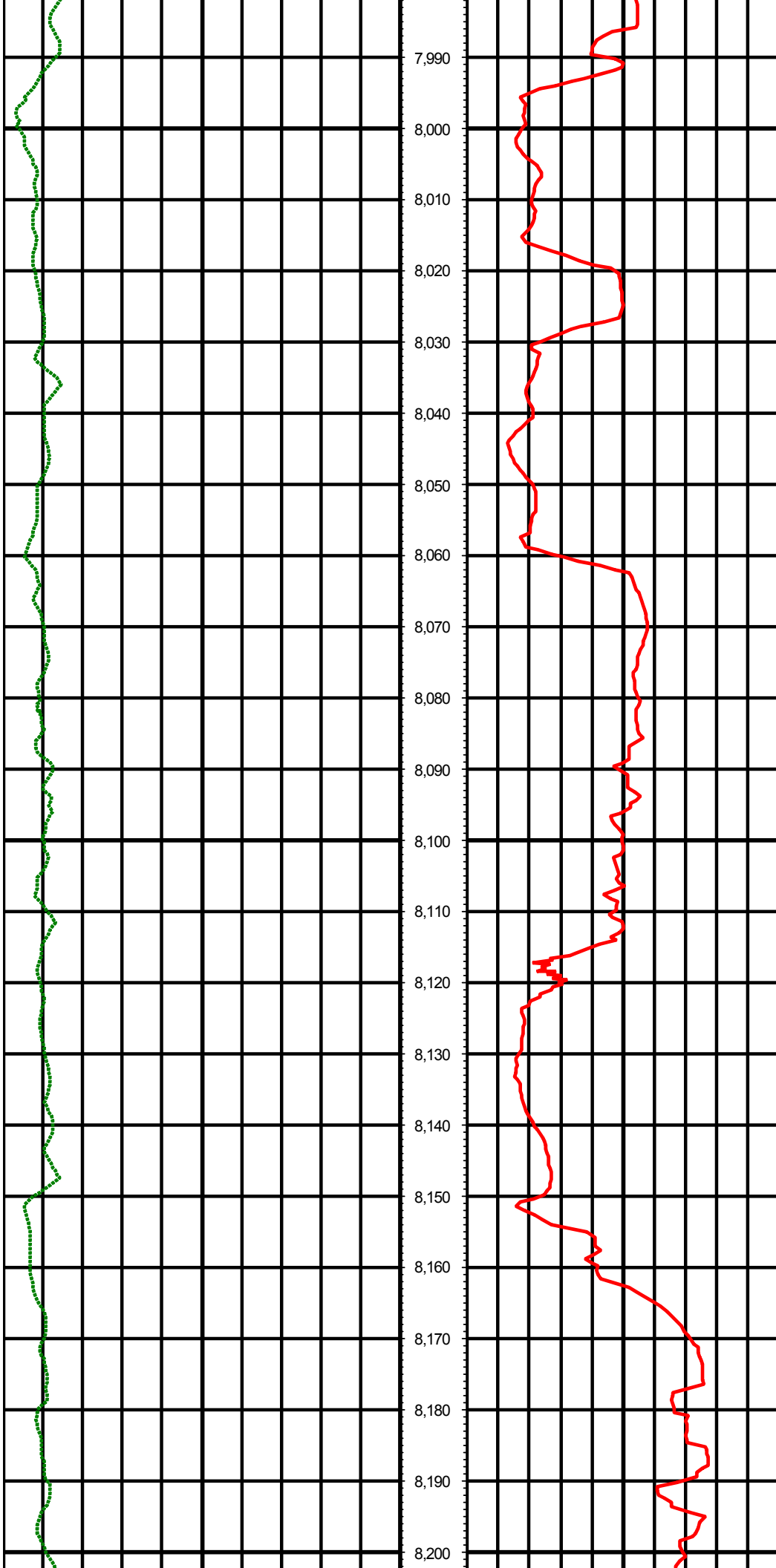




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MD: 7703.00 INC: 89.54 AZ: 358.72

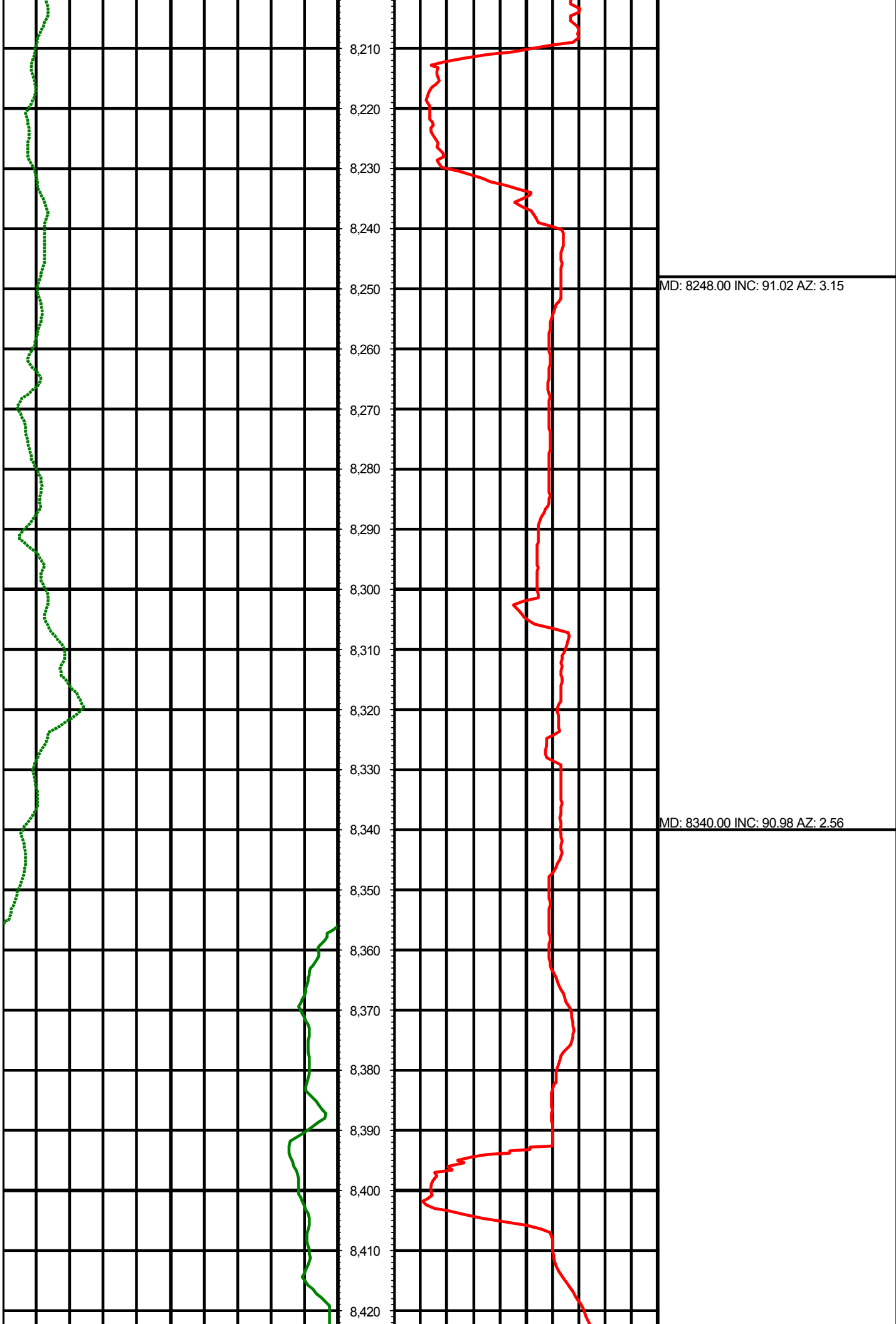




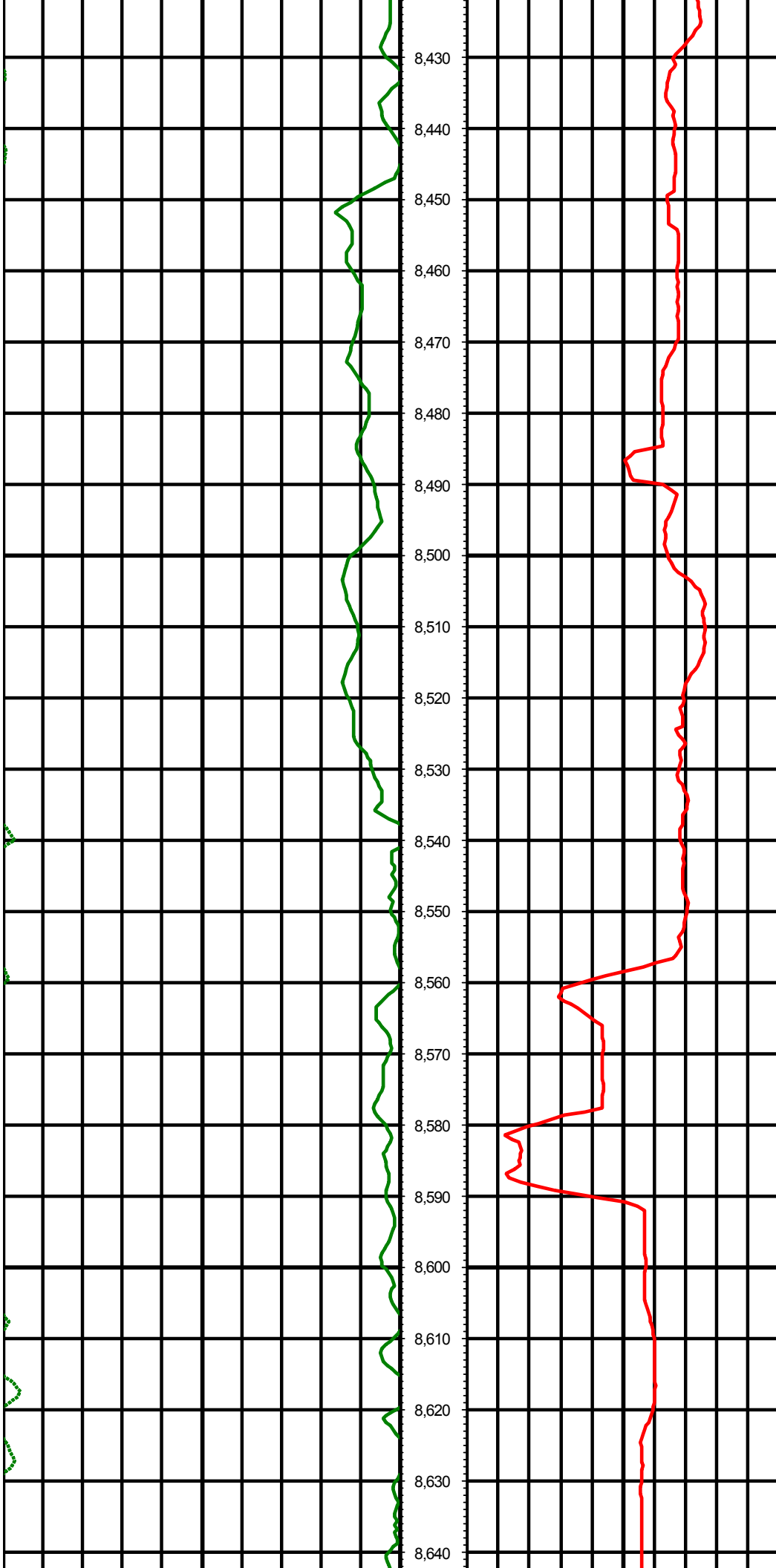
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MD: 8156.00 INC: 89.89 AZ: 1.20



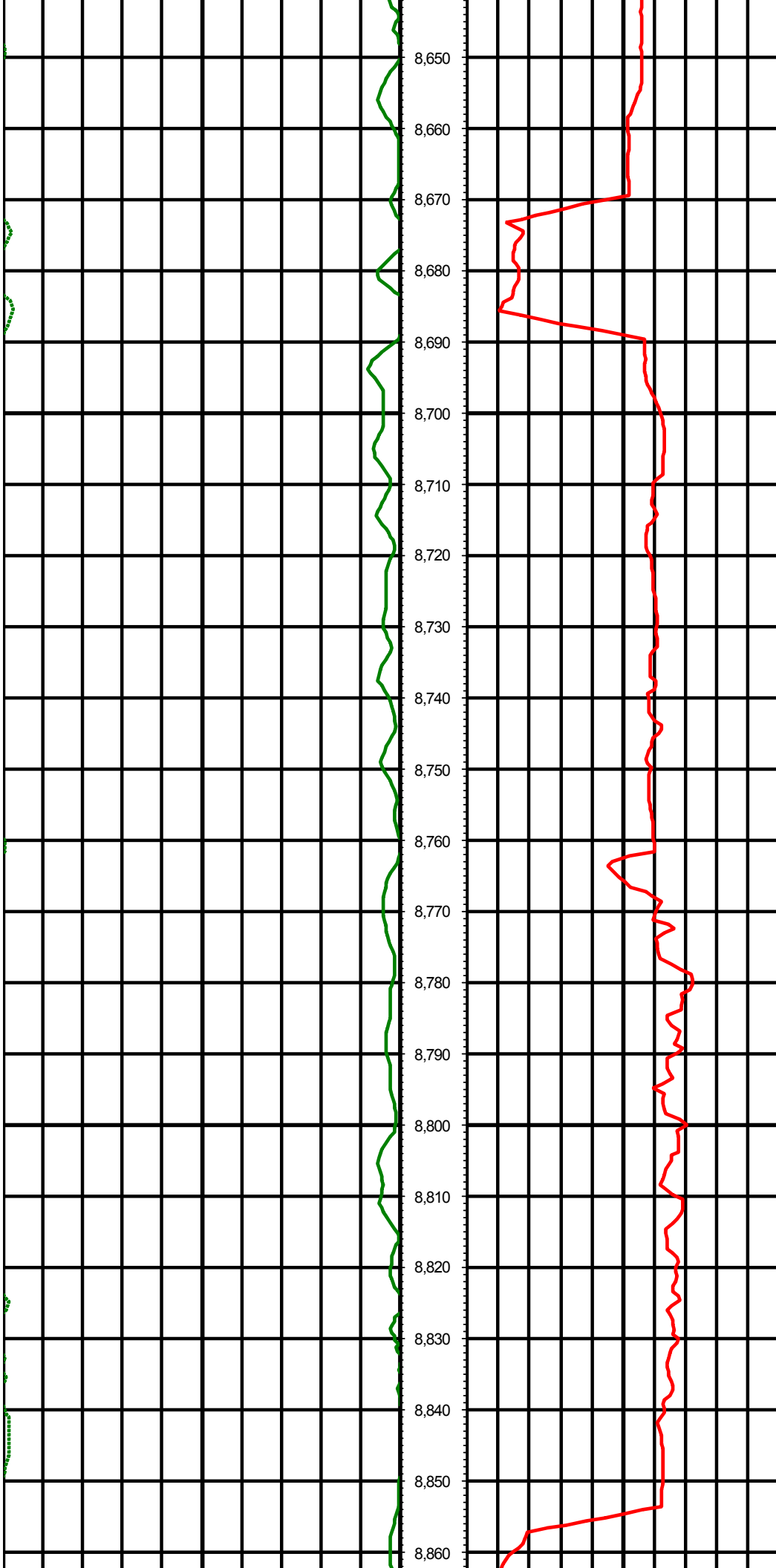




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MD: 8525.00 INC: 90.42 AZ: 2.60

MD: 8617.00 INC: 90.18 AZ: 2.21



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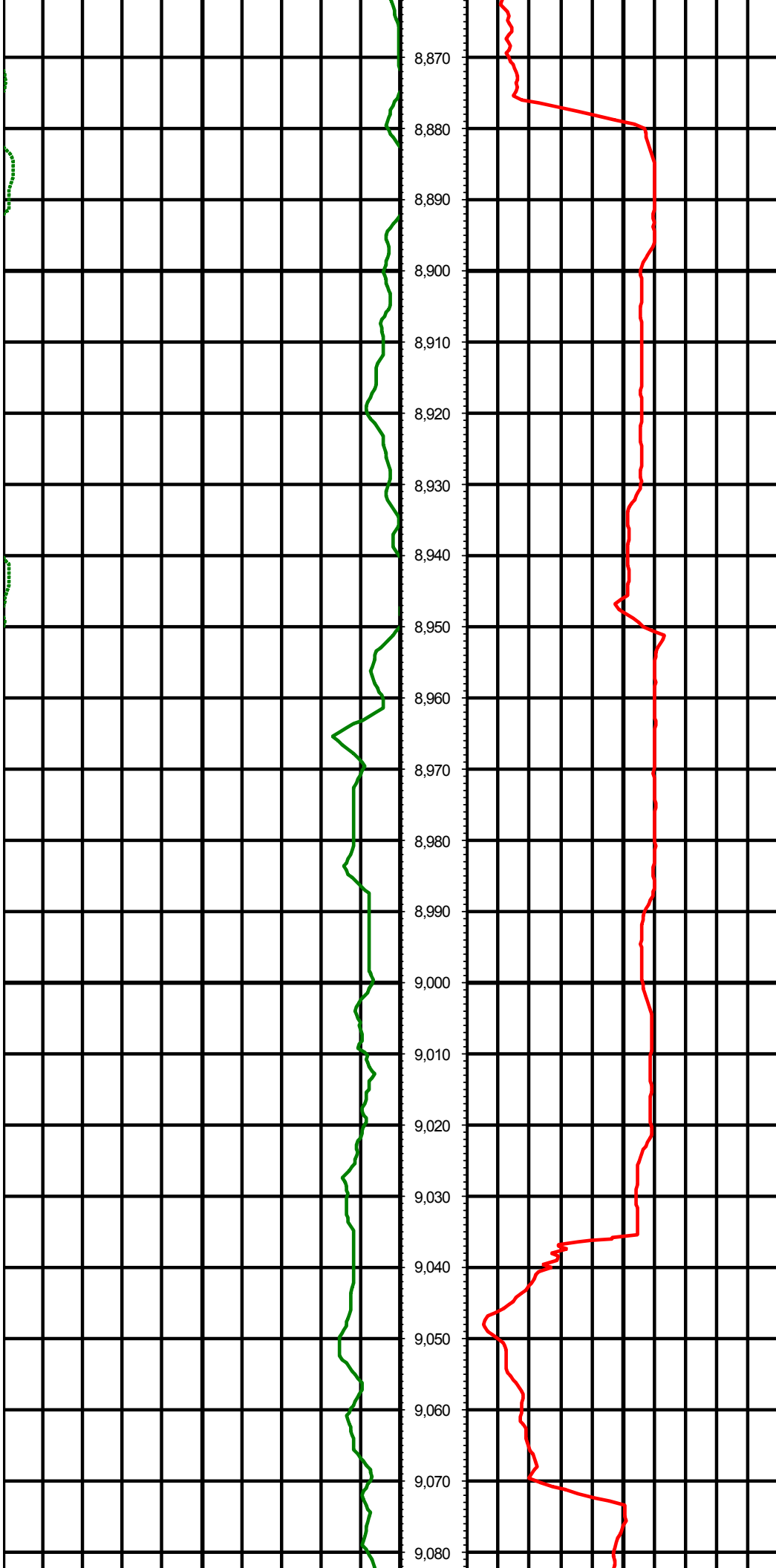
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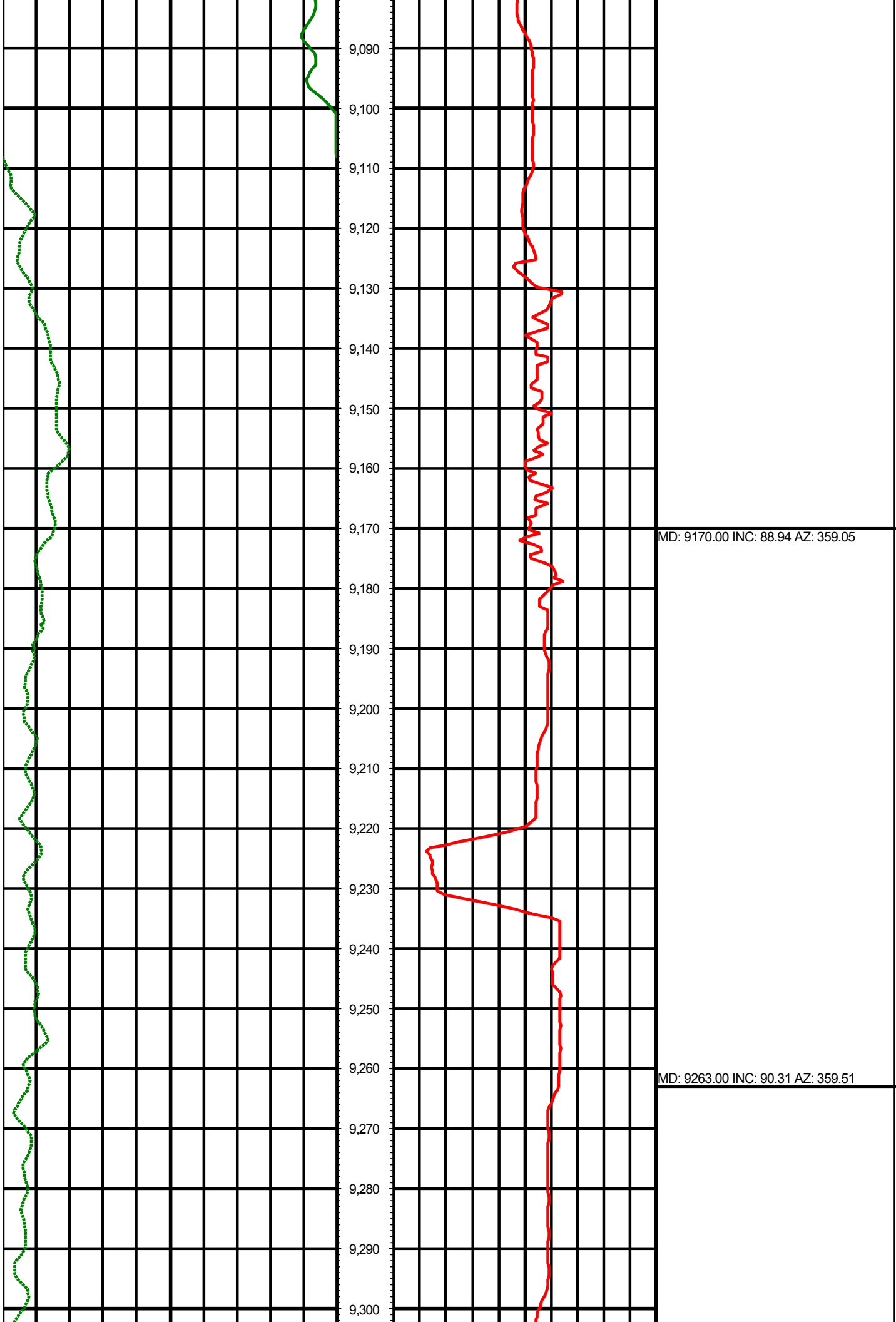
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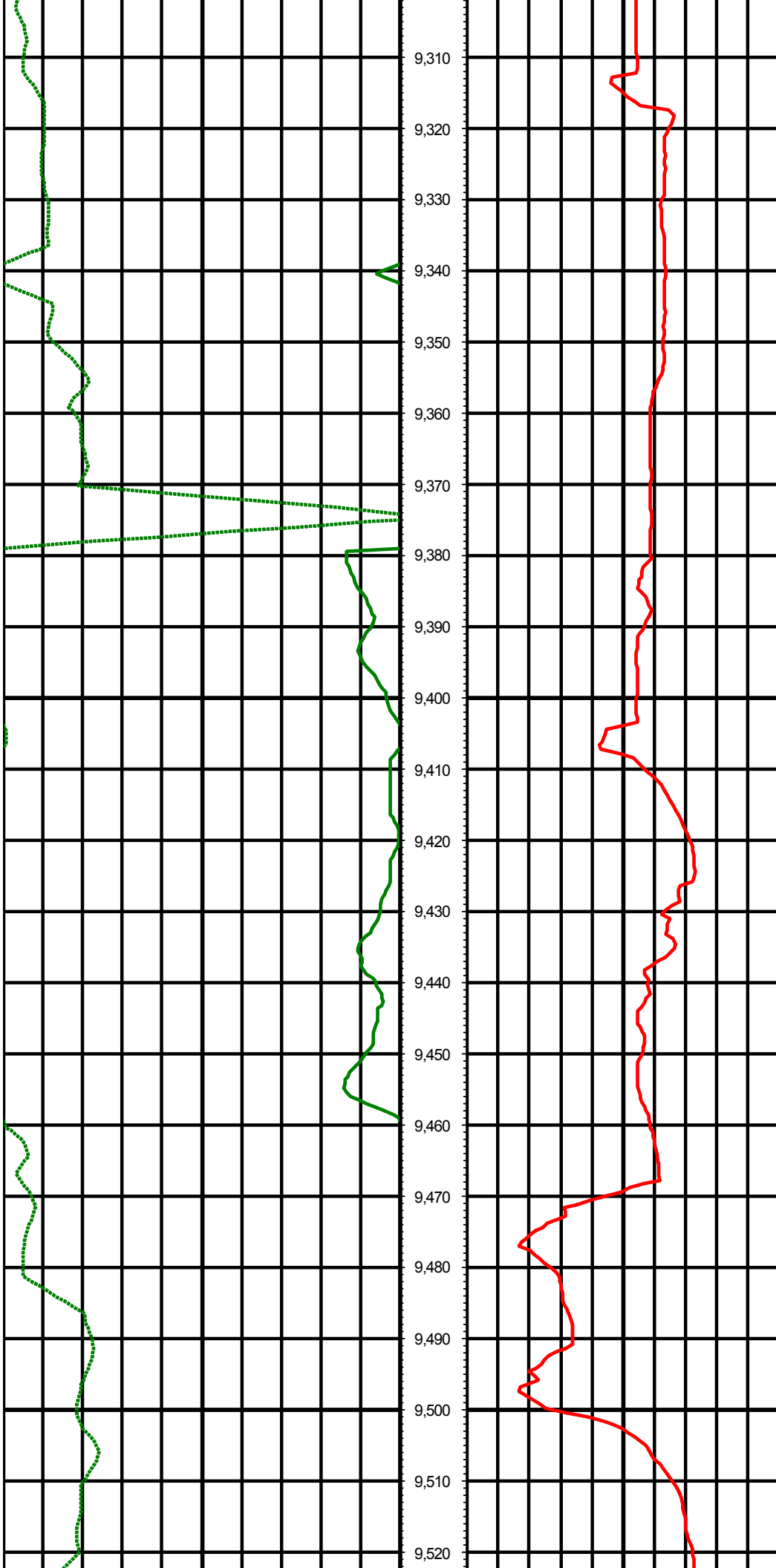


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MD: 8985.00 INC: 89.51 AZ: 1.15

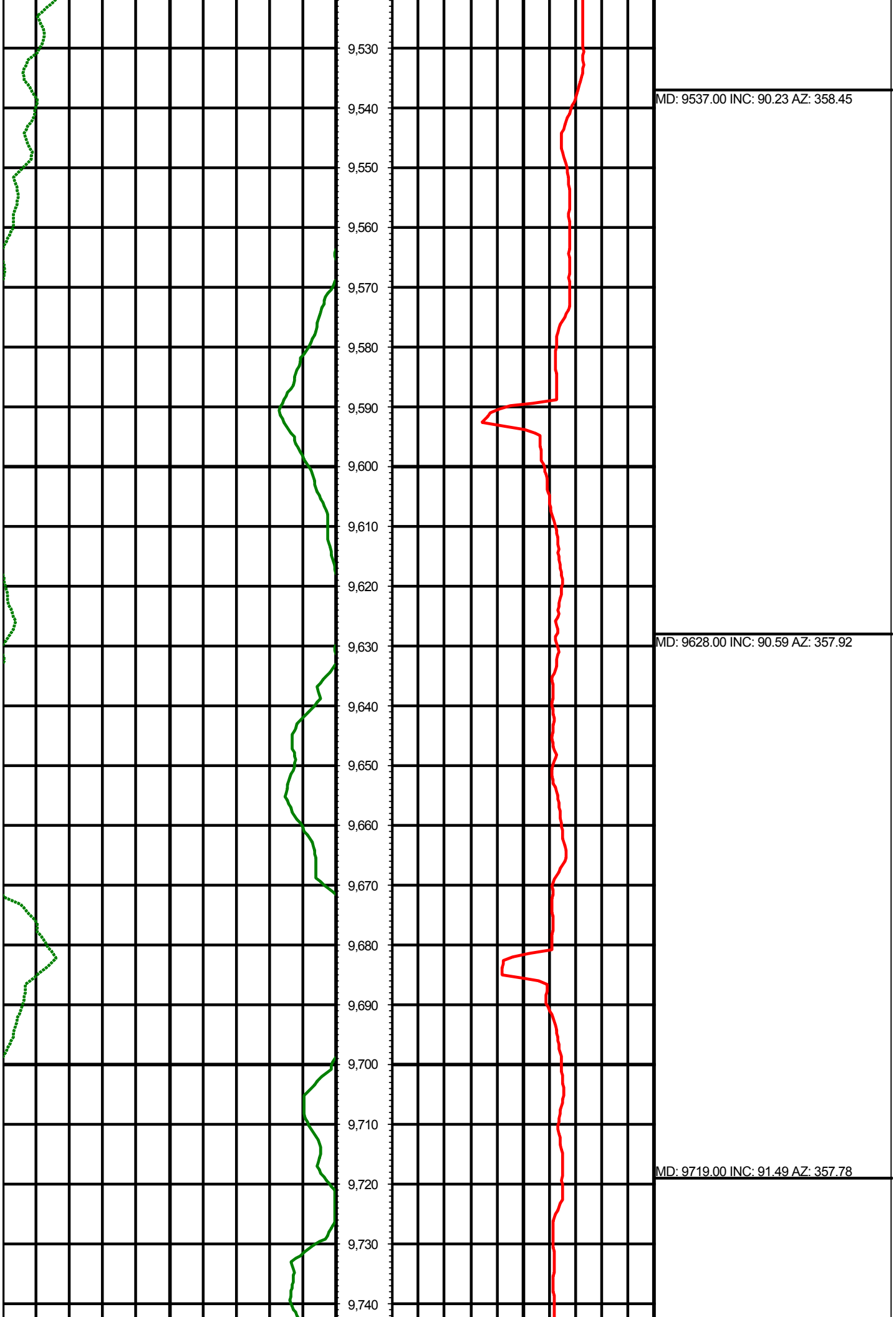
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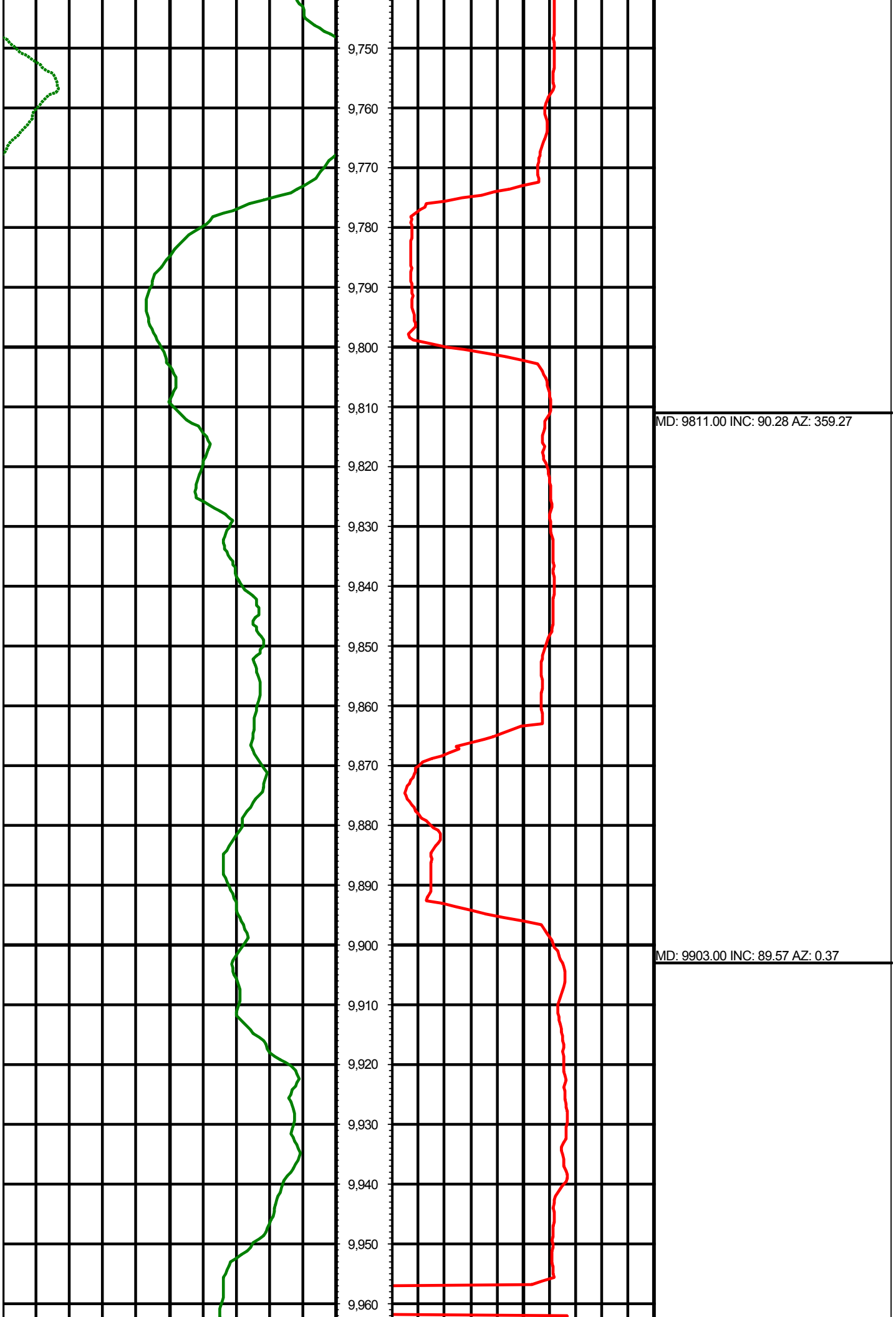




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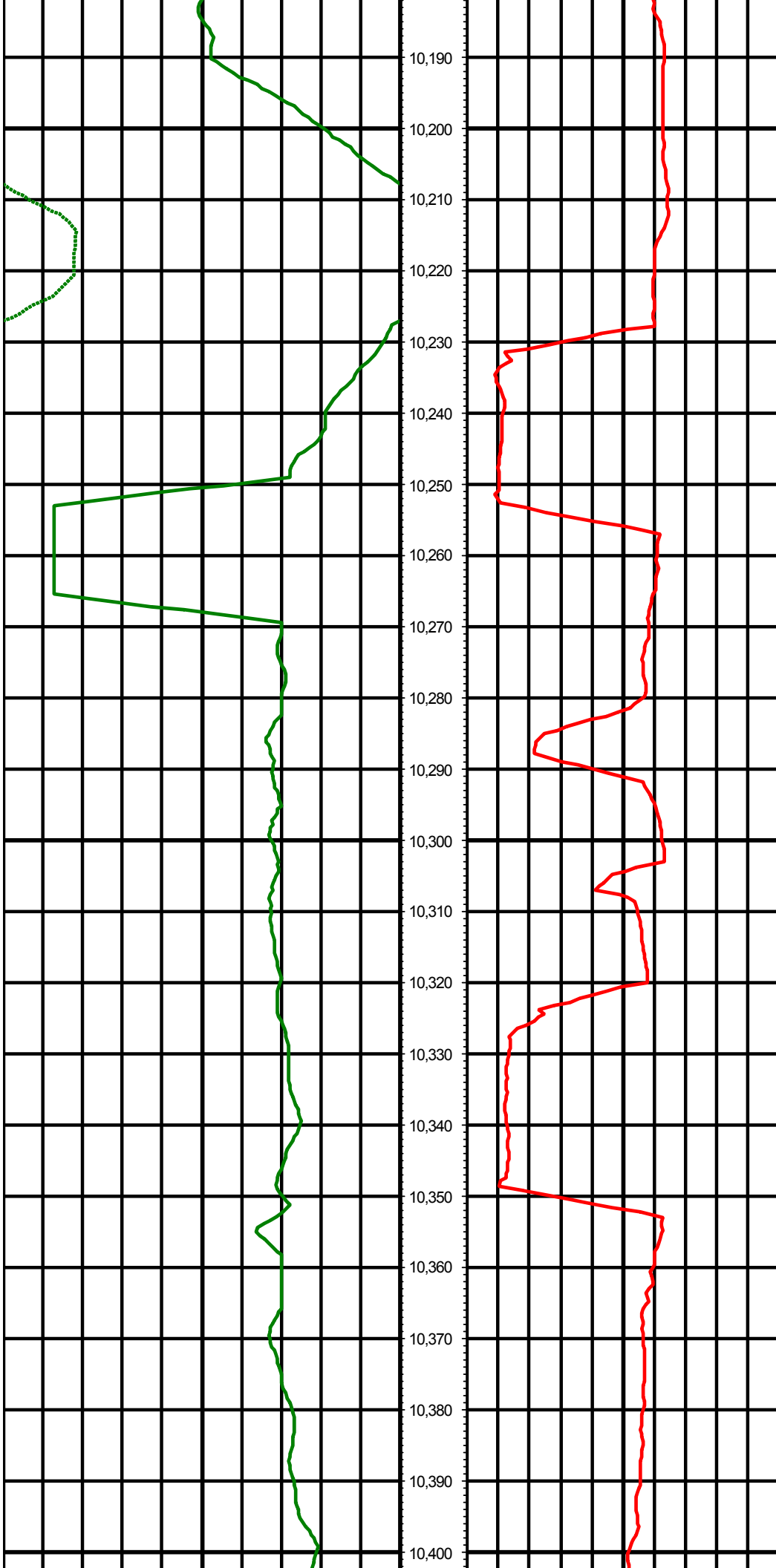
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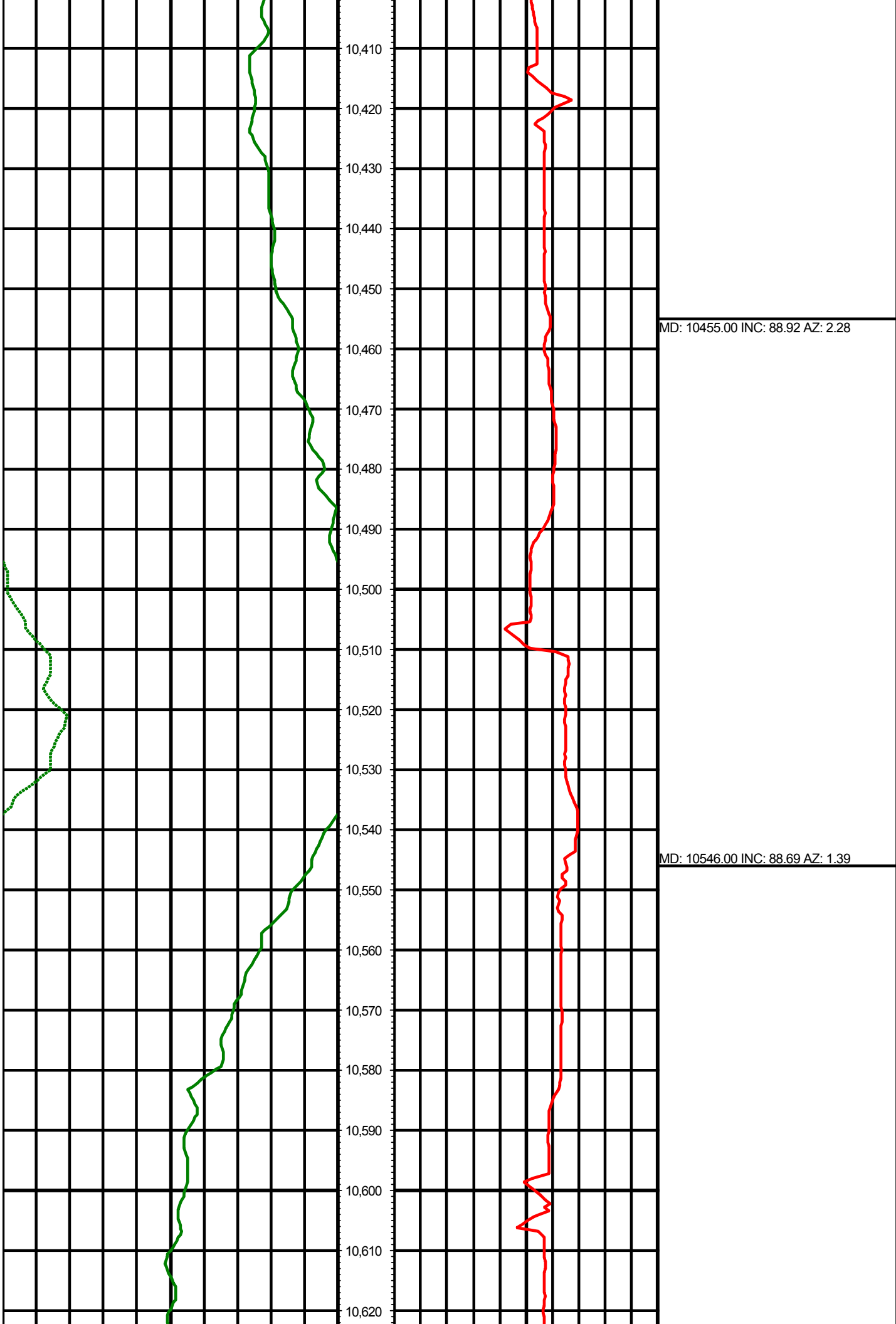


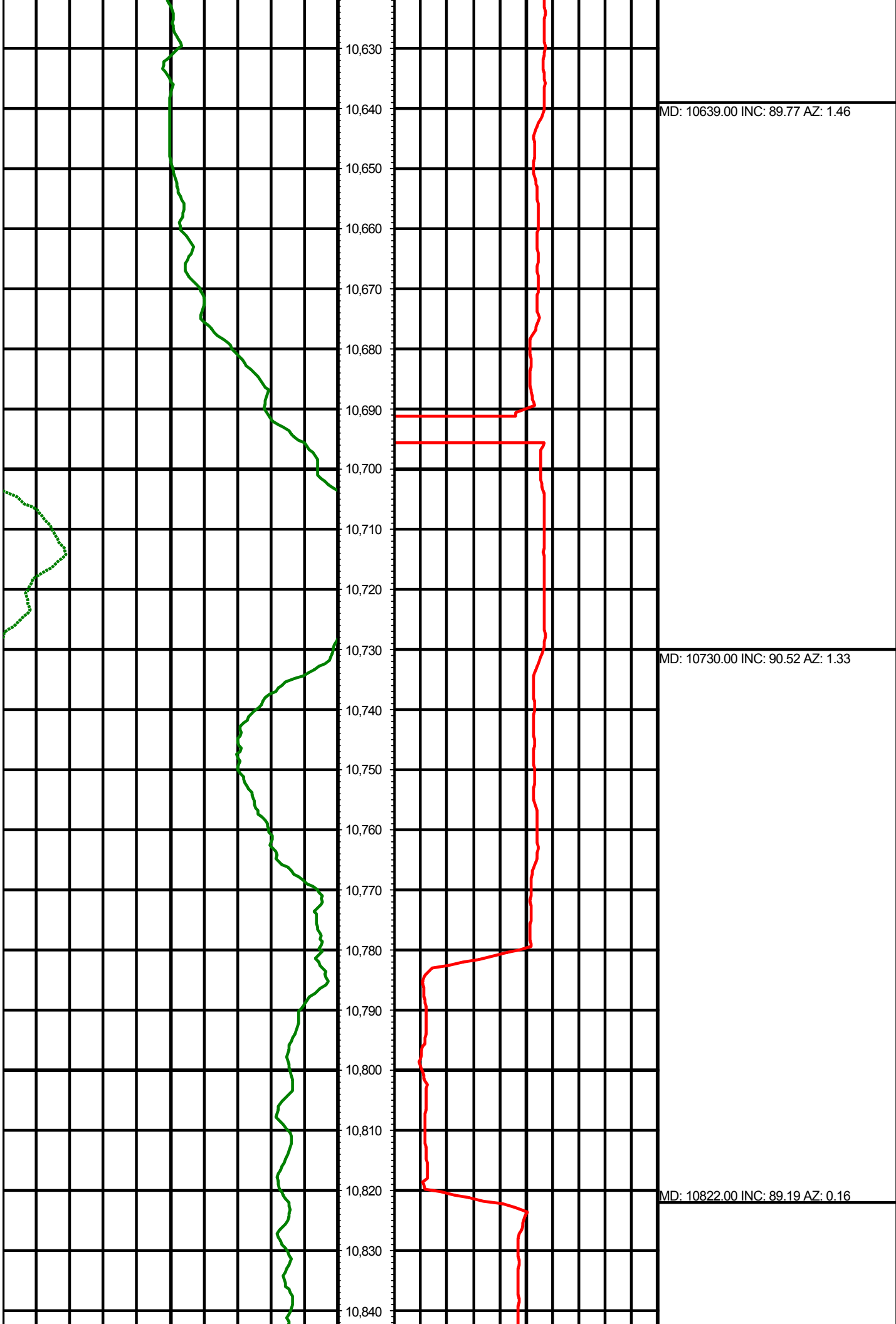


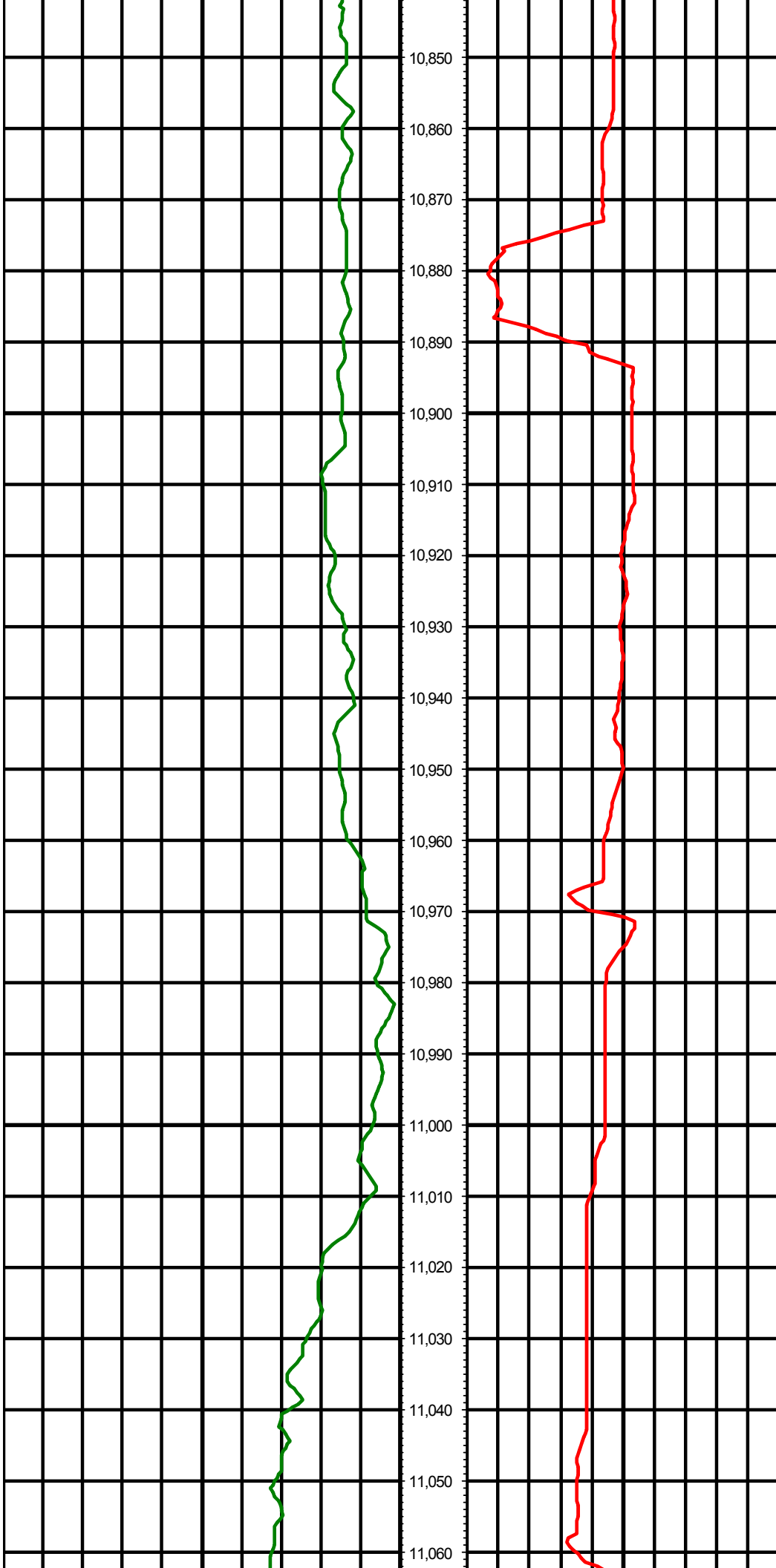


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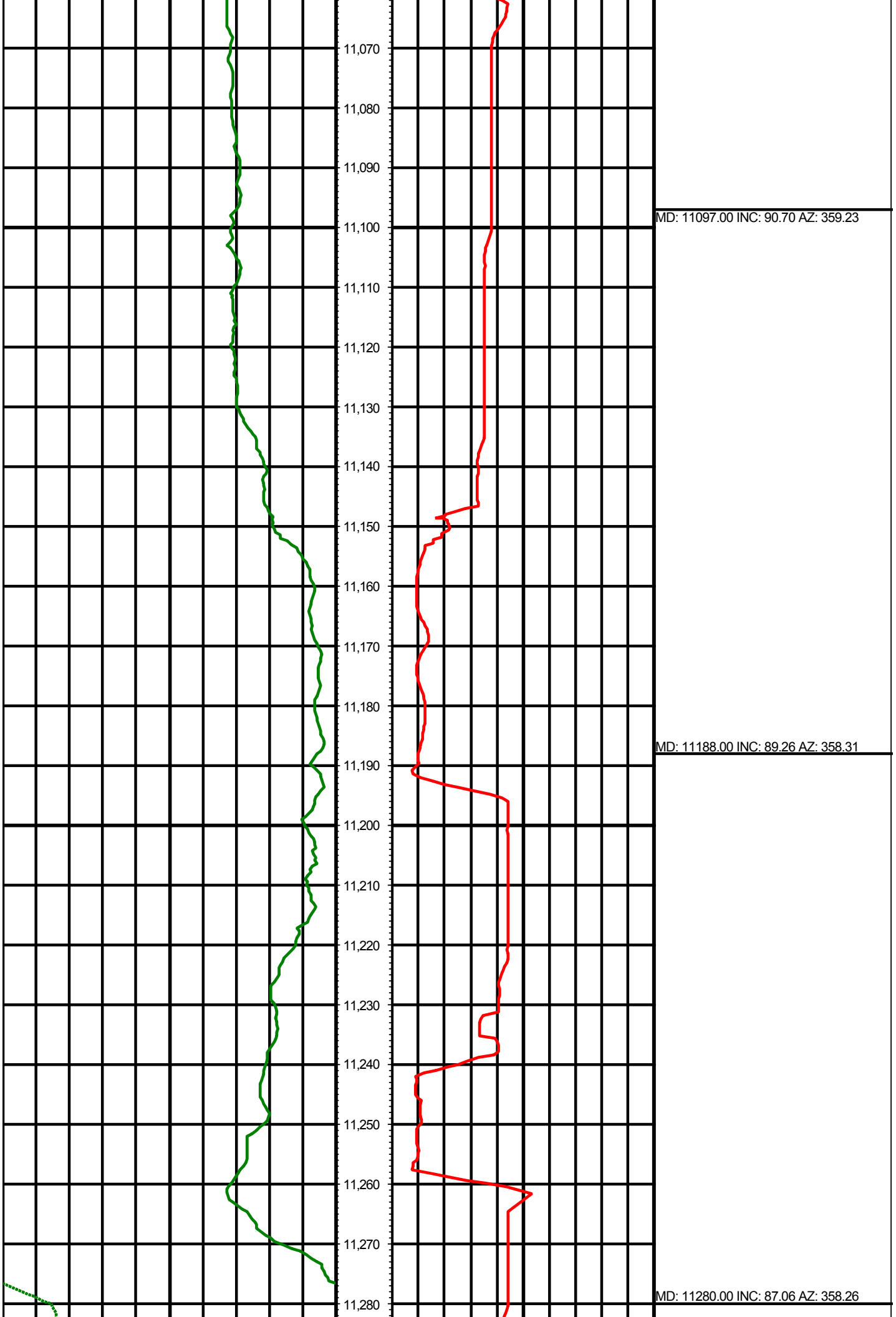


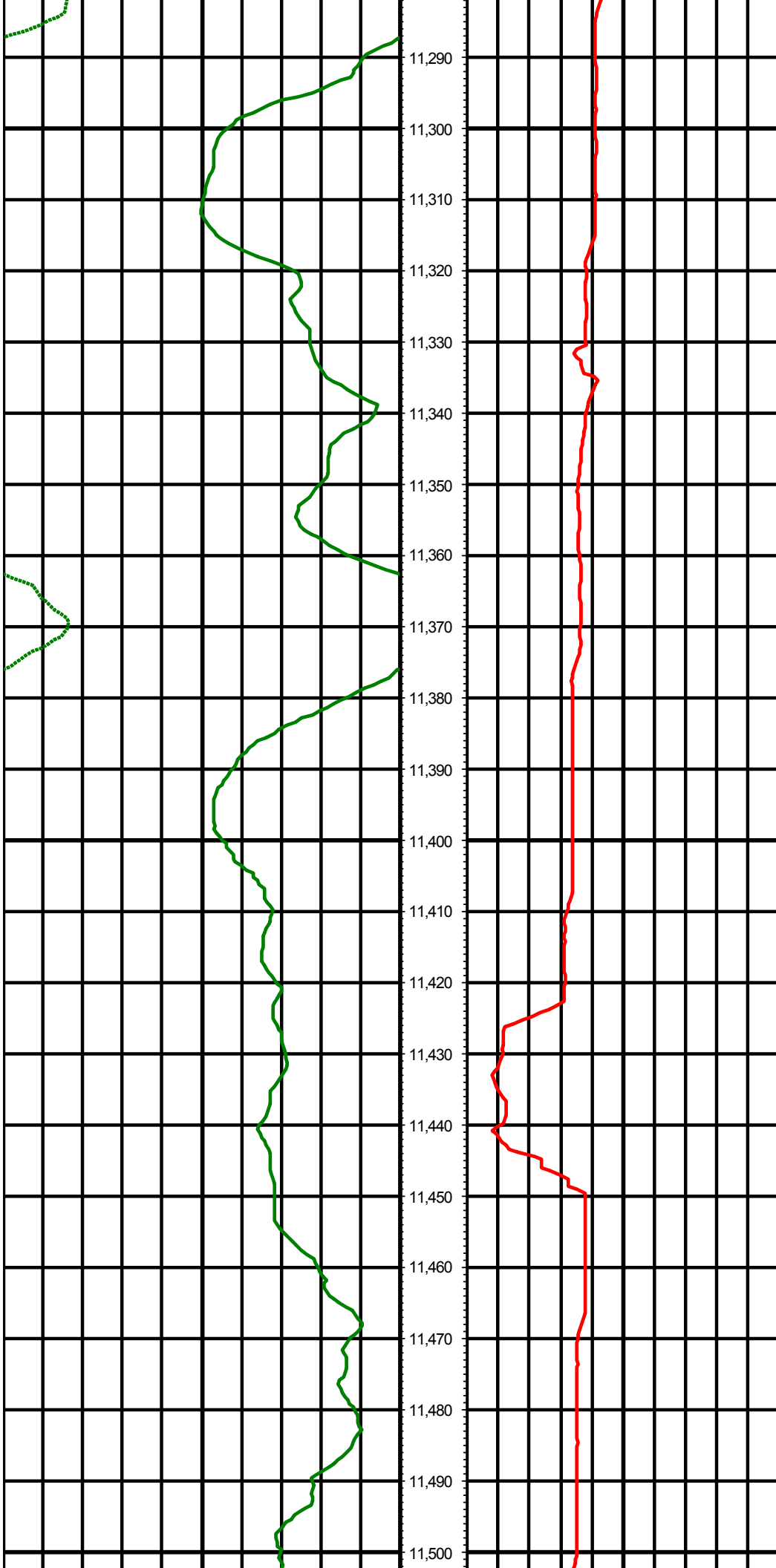




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MD: 11006.00 INC: 88.86 AZ: 359.16

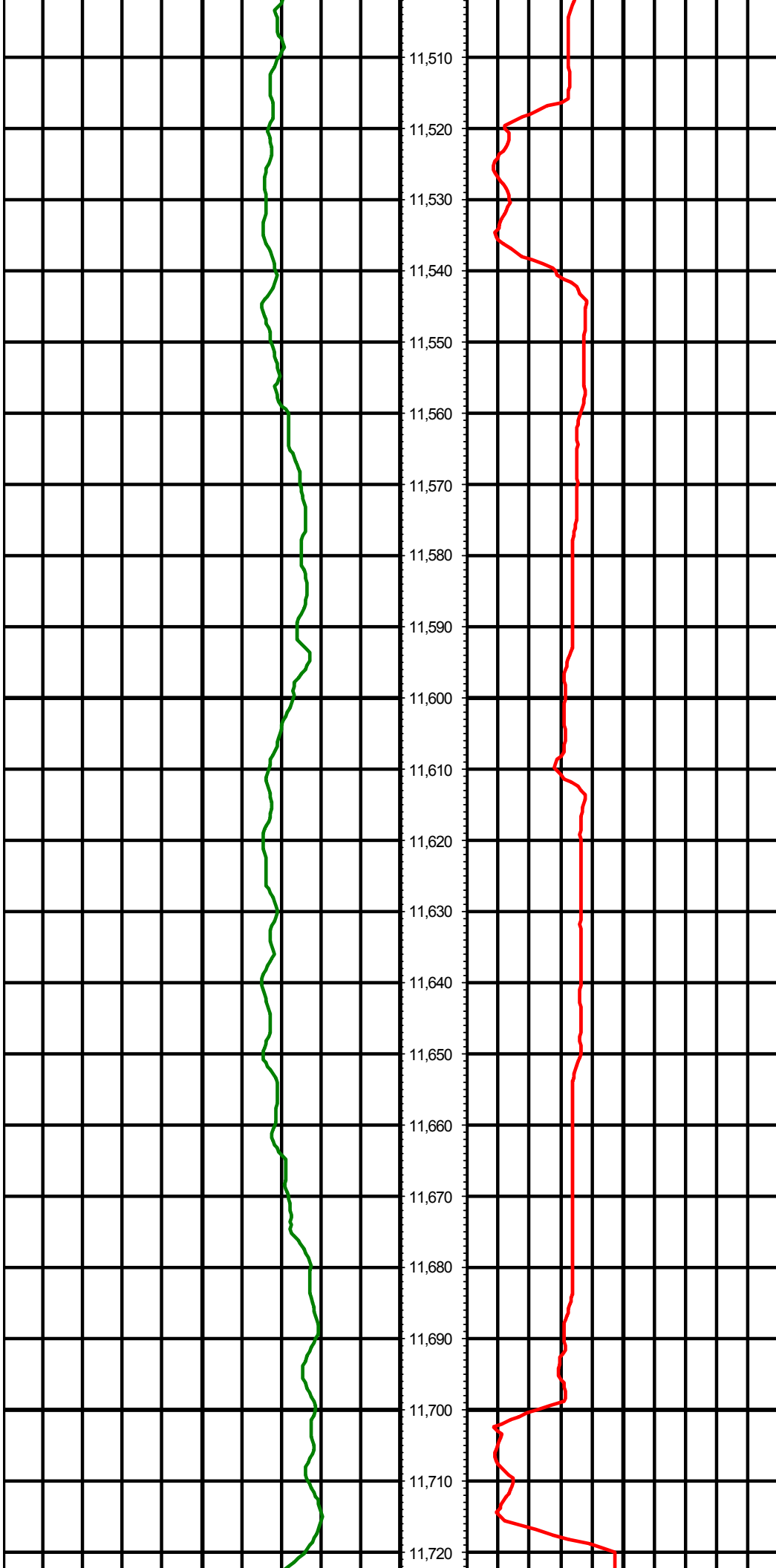




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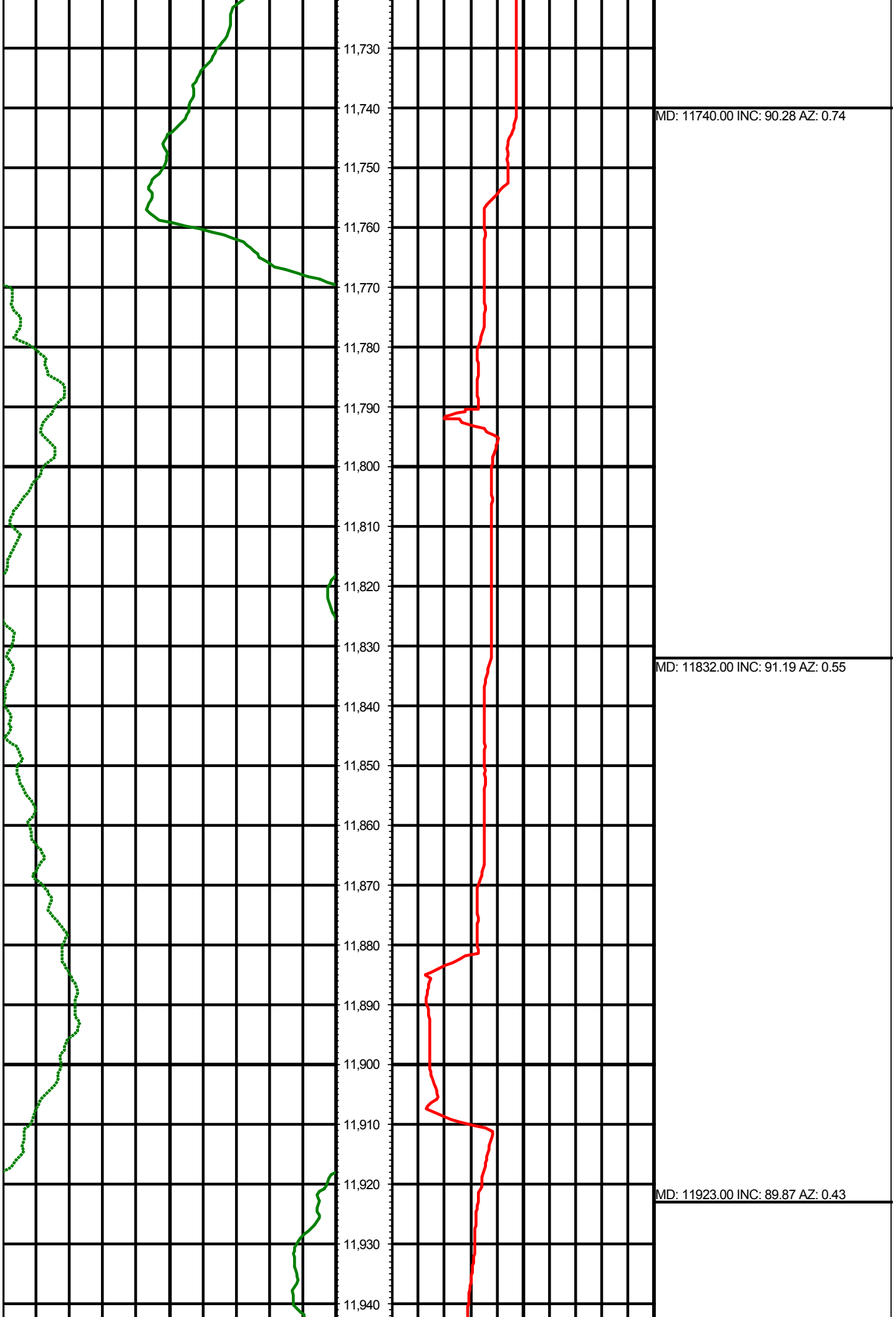
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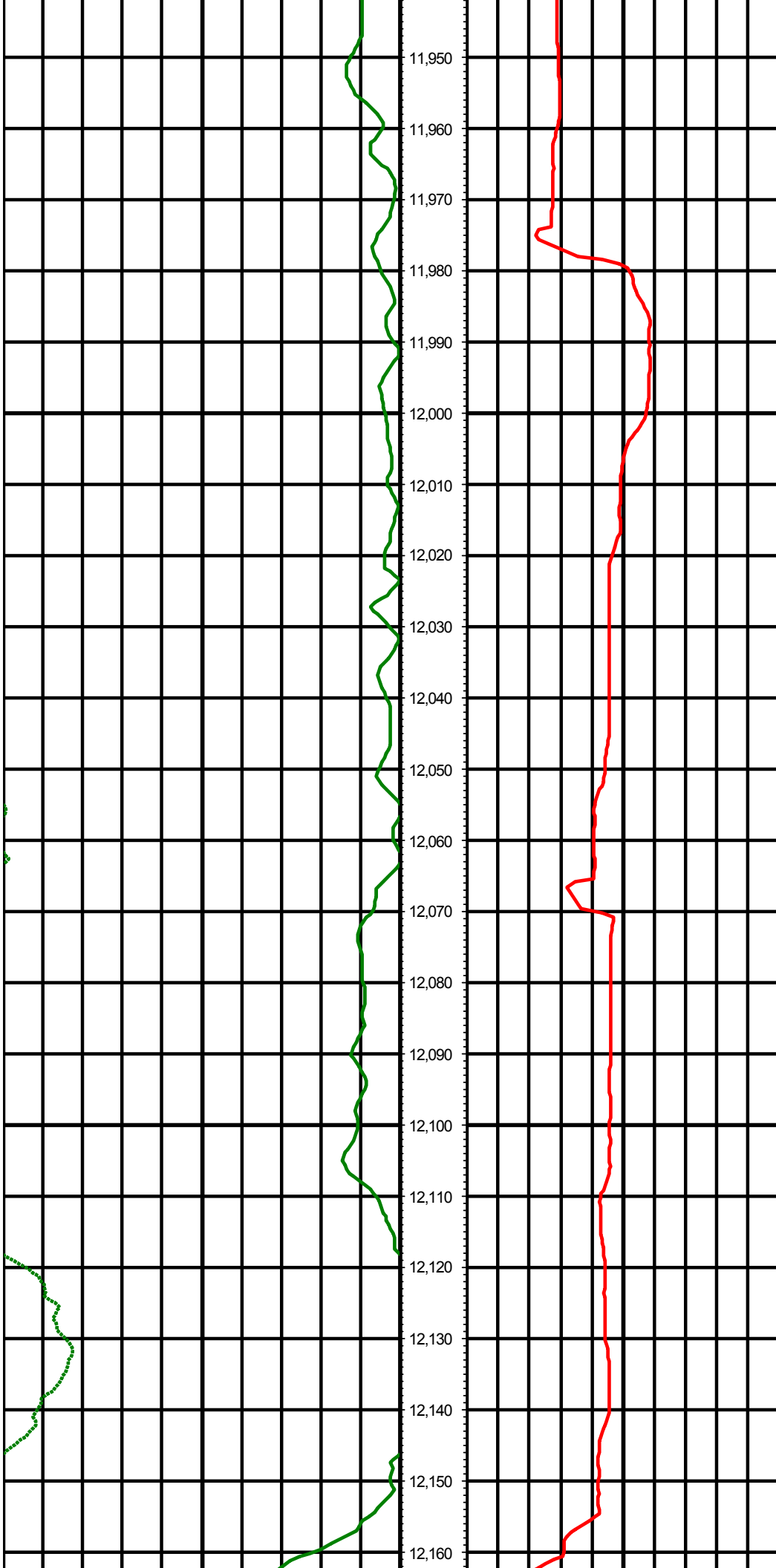
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MD: 11649.00 INC: 91.10 AZ: 359.82



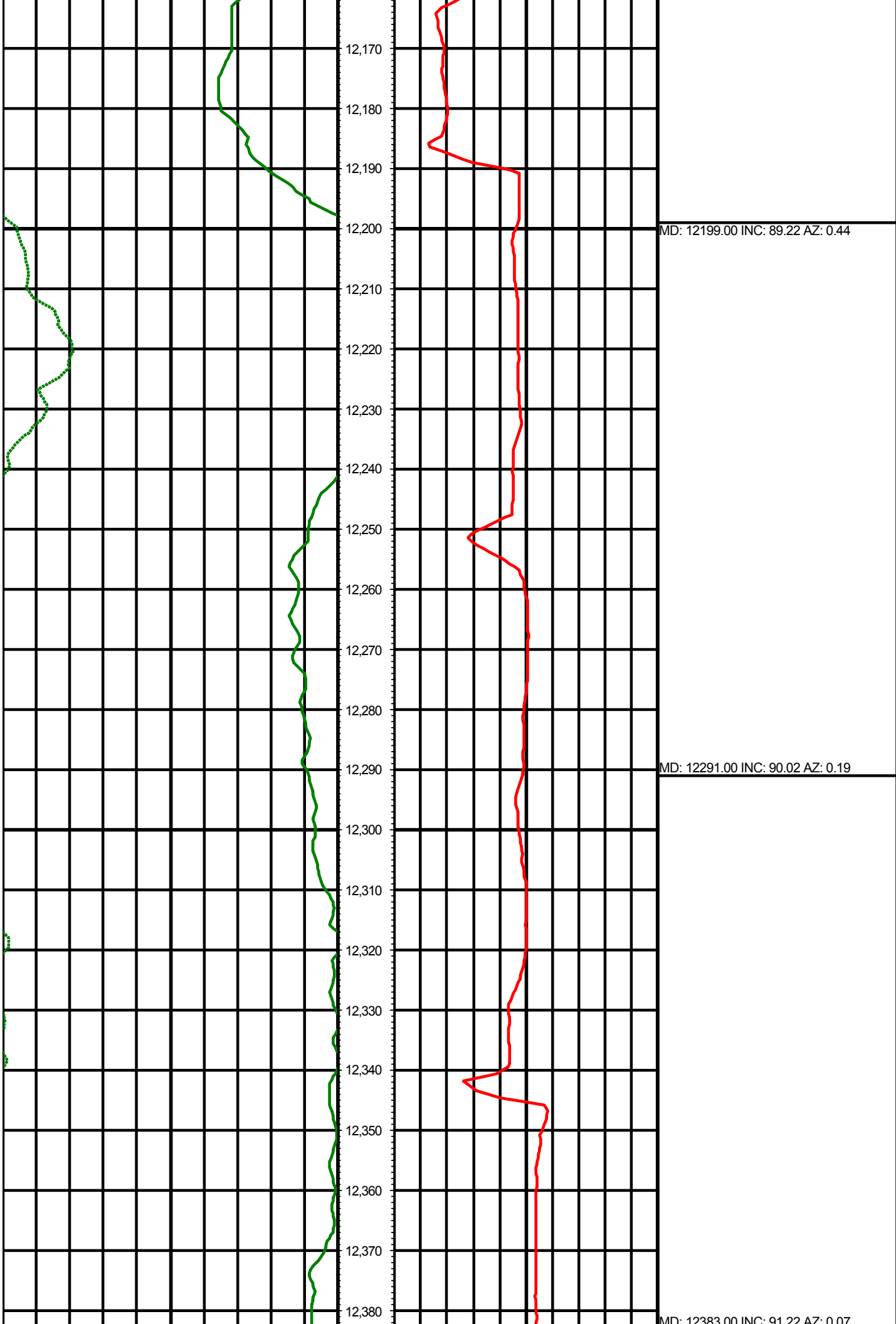


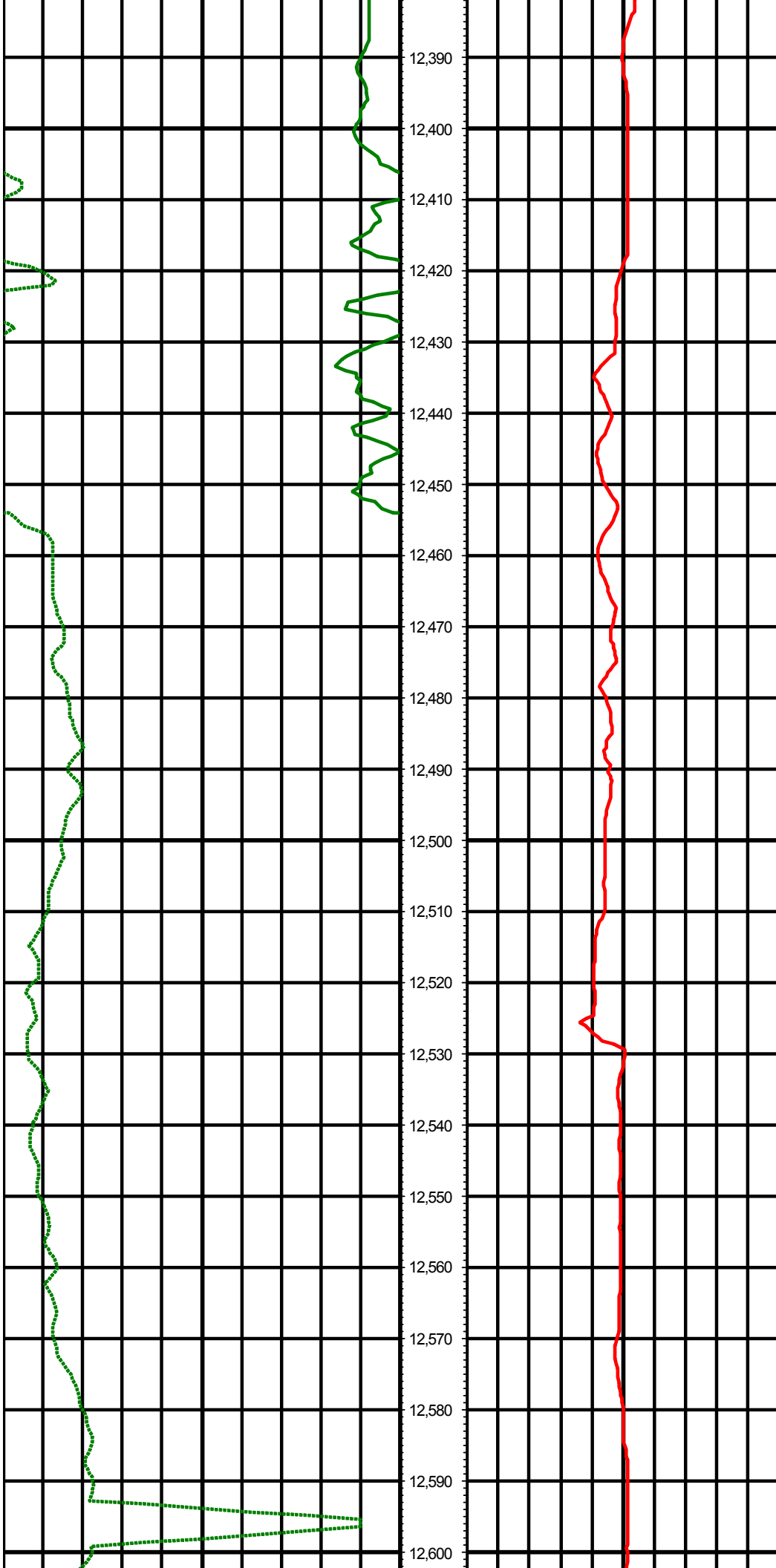


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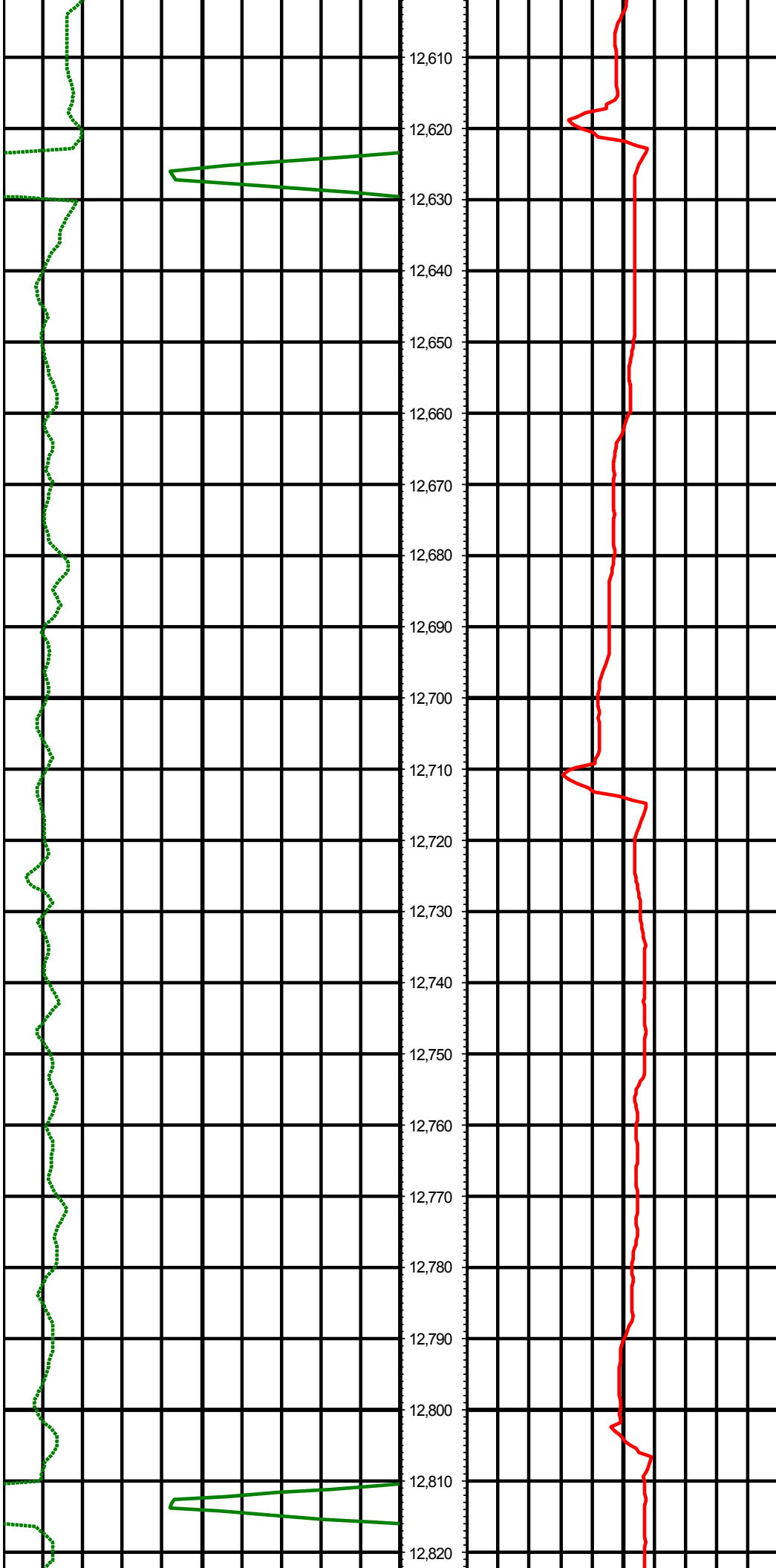




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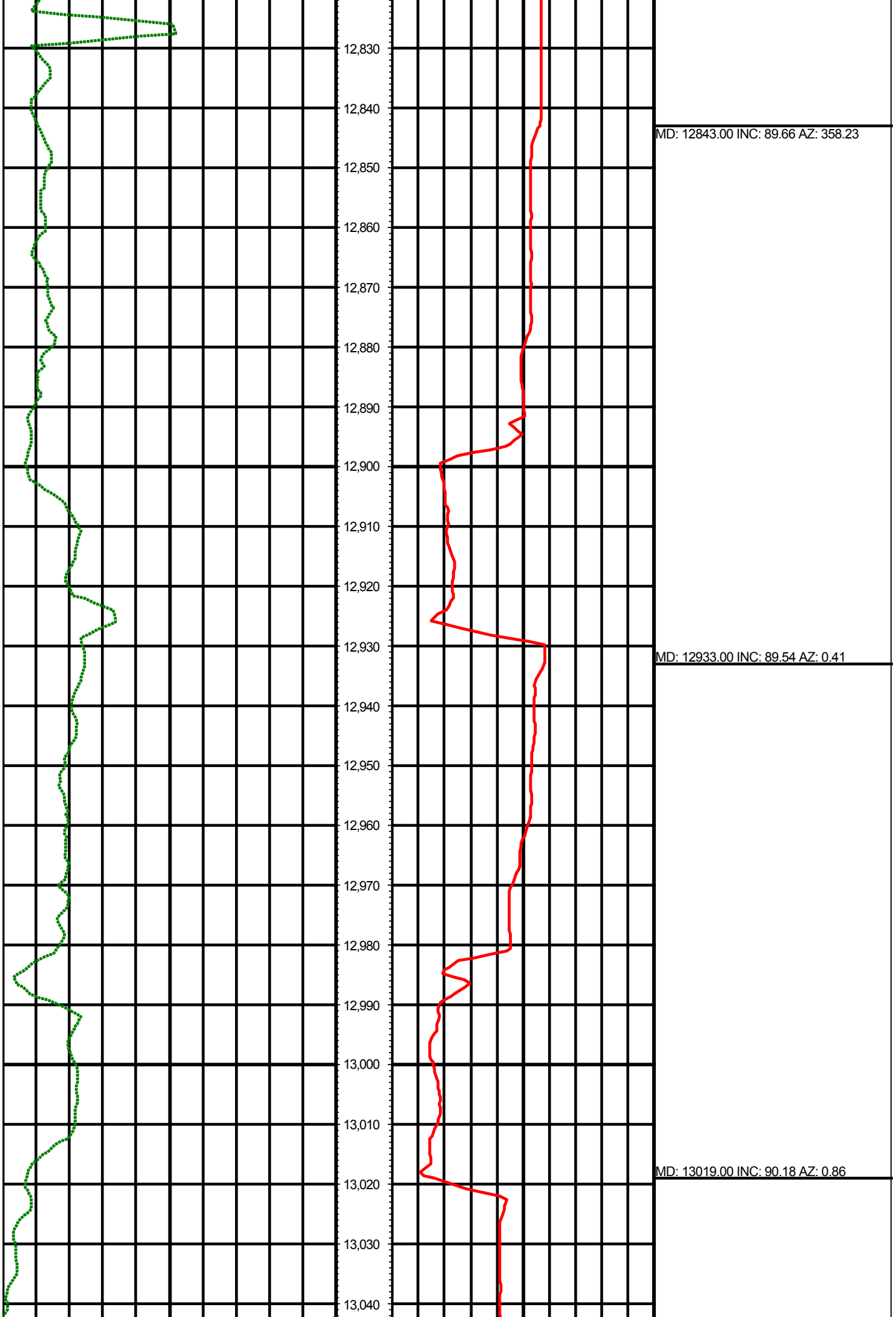
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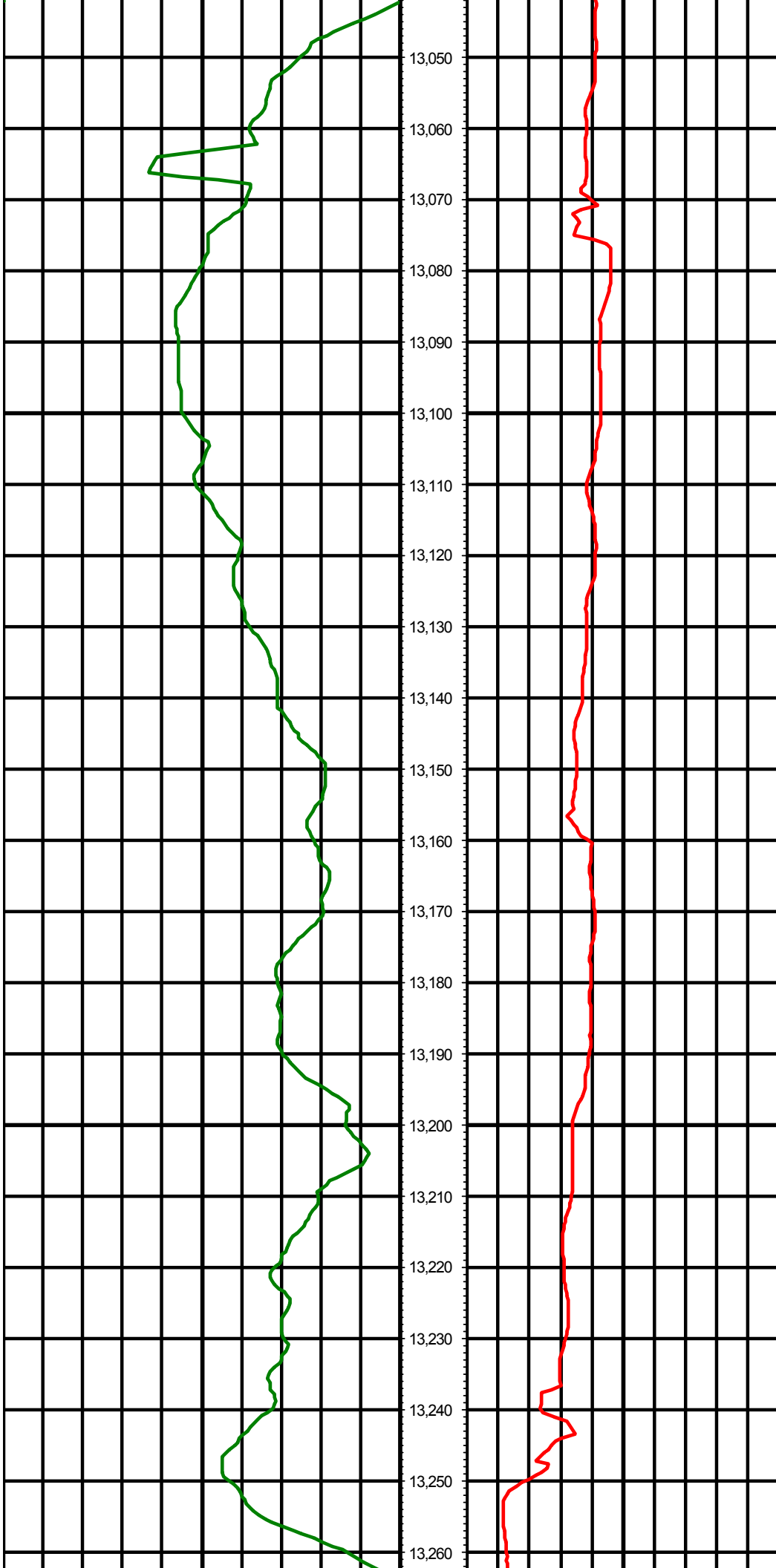
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MD: 12658.00 INC: 90.16 AZ: 358.89

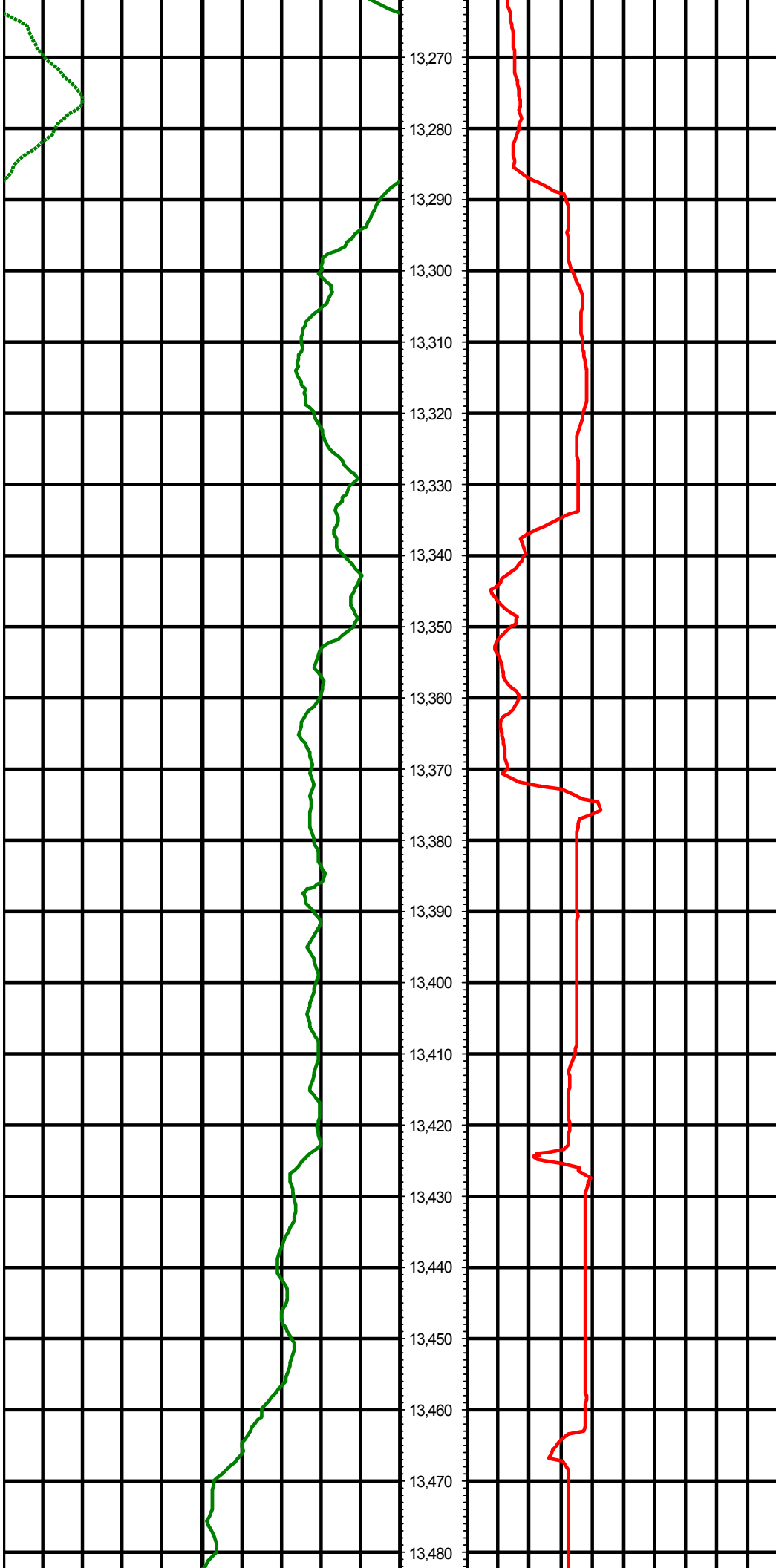
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MD: 13106.00 INC: 91.47 AZ: 0.00

MD: 13194.00 INC: 92.96 AZ: 359.34



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MD: 13284.00 INC: 90.42 AZ: 357.83

MD: 13373.00 INC: 88.99 AZ: 357.10

MD: 13463.00 INC: 90.28 AZ: 356.84

