



**Premier Directional Drilling**  
12941 North Freeway Suite 400  
Houston, Texas 77060  
PH: #281-673-4000

**Meguire 29C-16HZ**  
**Scale 5":100' - MD**  
**11/10/2015 9:00 PM**

**Oper. Company:** Anadarko Petroleum Corporation

**State:** Colorado

**Well:** Meguire 29C-16HZ

**County:** Weld

**Field:** Wattenberg

**Country:** US

**Rig:** Precision 462

**Location:** 2N-65W-21 Pad

**Well ID:** 05123419380000

**Start Date:** 11/06/2015 08:11:00

**Job Number:** R15405

**End Date:** 11/09/2015 22:58:31

**Notes:** LWD Recorded Mode Data Log  
Gamma Correction Determined by Pipe ID & OD, Mud Weight & Bit Size

**Latitude:** 40.124871

**Elev KB:** 20'

**Longitude:** -104.677226

**Elev DF:** 4916'

**Elev GL:** 4896'

**Notes:** Datum: NAD1983 Map Zone: 13N (108 W to 102 W) Total Correction: 8.21° Grid Convergence: 0.21° (True North)

**Operator 1:** Austin Capaldo

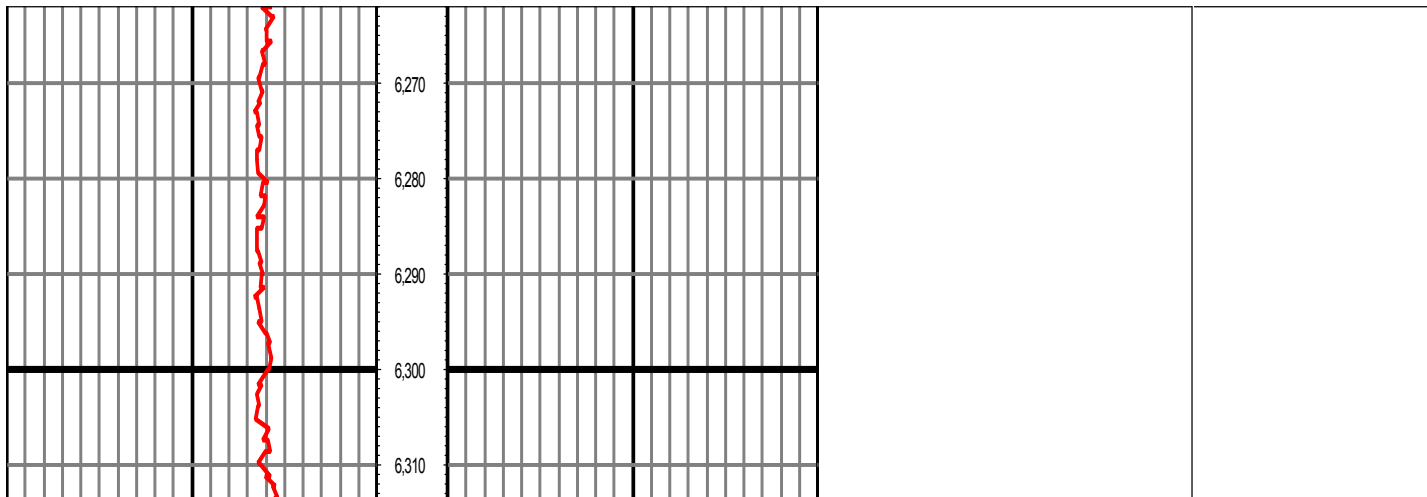
**Operator 2:** David Clancy

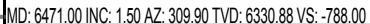
**Notes:** Smoothing: 7 Gap Fill: 10 Tool Type: Mud Pulse Calculation Method: Minimum Curvature

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	466				
Bit Size	8.5				
Cal Factor	1.09				
Survey Offset:	67.00				
Gamma Offset	62.00				
Resistivity Offset	0.00				
Start Depth	6401.00				
StartDate	11/6/2015				
StartTime	08:11				
EndDepth	15481.00				
EndDate	11/9/2015				
EndTime	22:58				
Hole Data			Casing Data		
Size	From	To	Size	From	To
8 1/2	1859.00	15481.00	9 5/8	0.00	1859.00

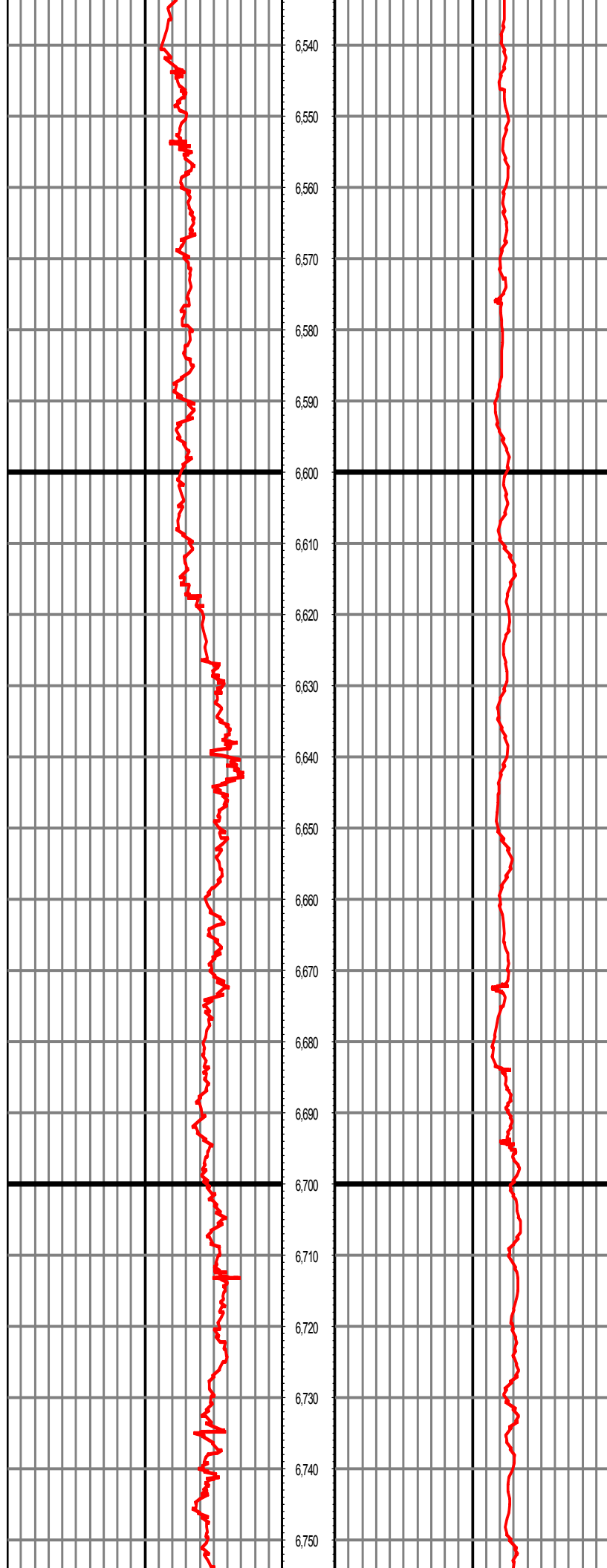
*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost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

0.00 GR RM(API) on TVD 200.00 MD 0.00 GR RM(API) on MD 200.00 Surveys (MD/INC/AZ/TVD/VS)  
200.00 2 400.00 FT 200.00 2 400.00





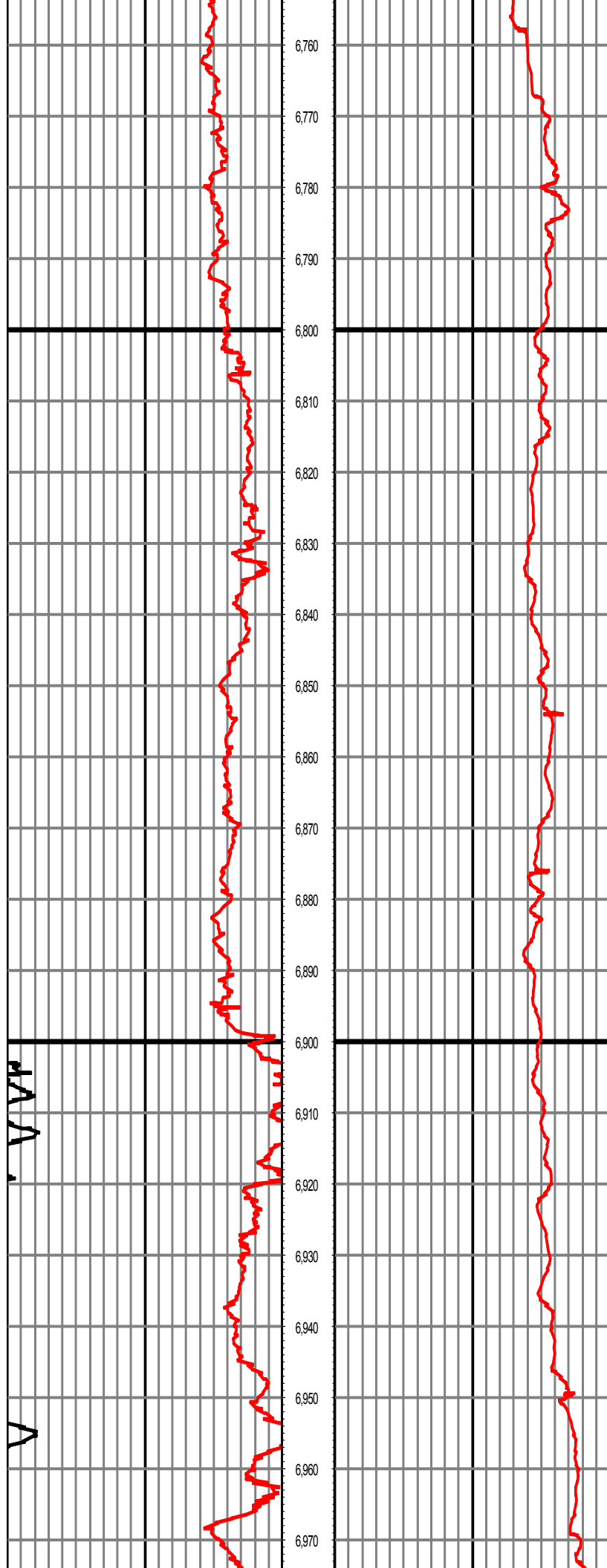
MD: 6471.00 INC: 1.50 AZ: 309.90 TVD: 6330.88 VS: -788.00



MD: 6565.00 INC: 1.80 AZ: 309.20 TVD: 6424.85 VS: -786.29

MD: 6660.00 INC: 1.80 AZ: 303.00 TVD: 6519.80 VS: -784.54

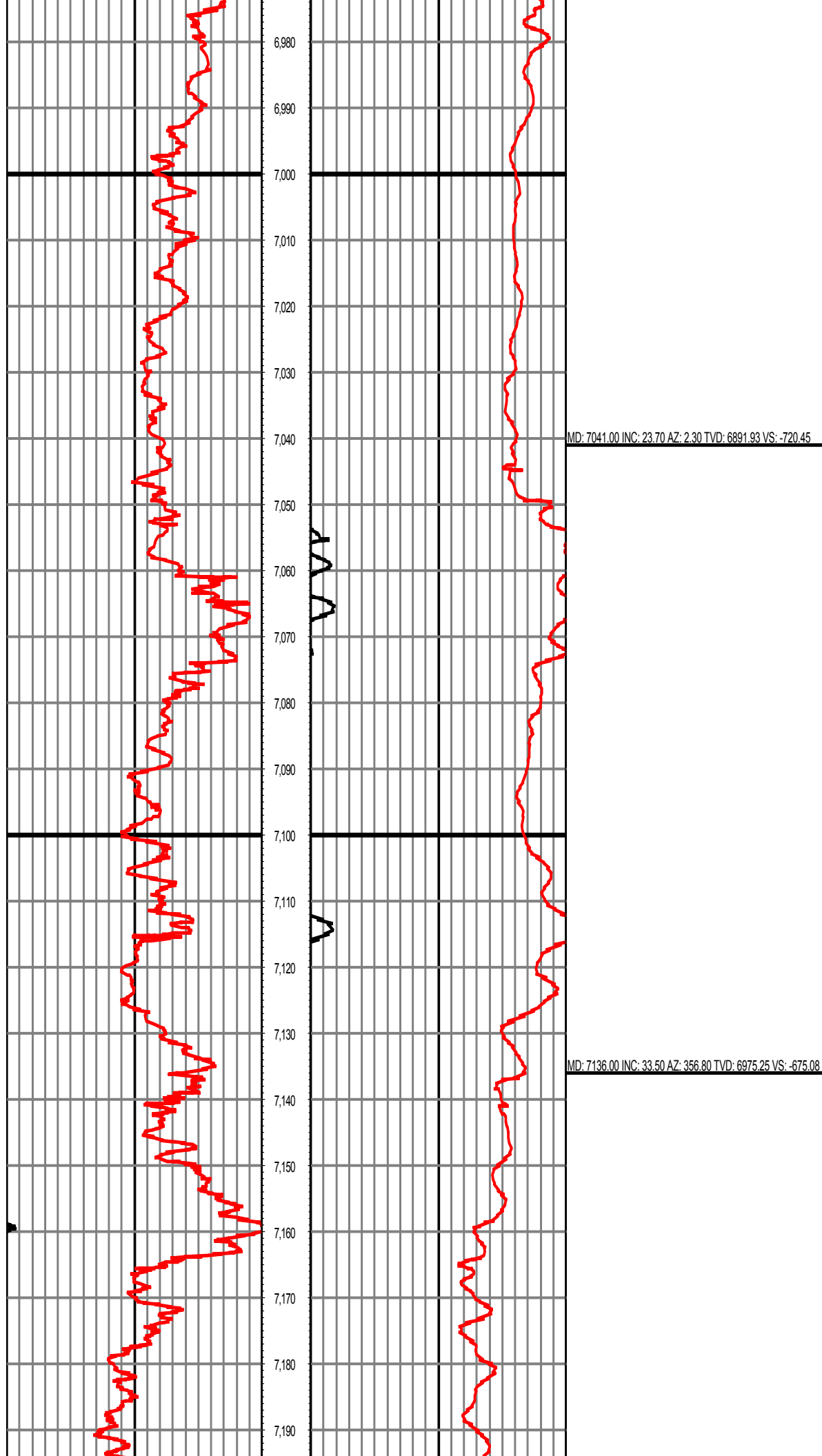
MD: 6765.00 INC: 1.20 AZ: 338.00 TVD: 6614.77 VS: -782.81

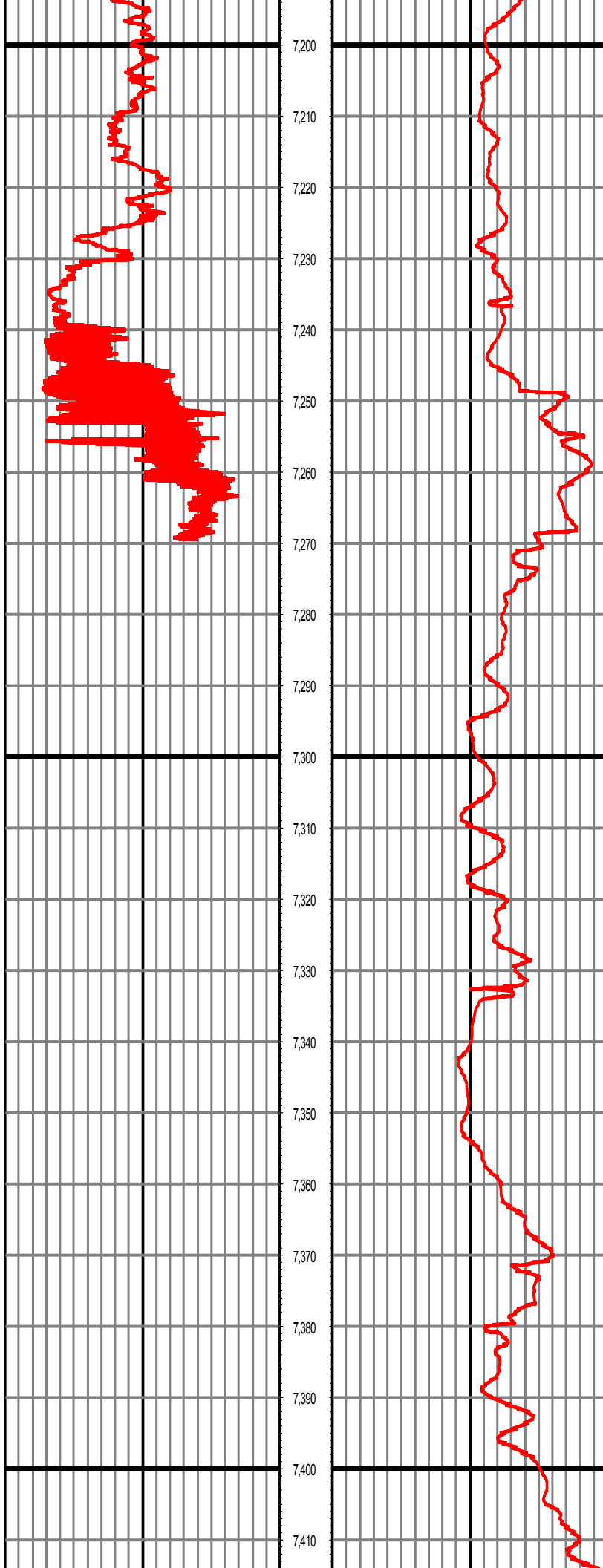


MD: 6755.00 INC: 1.20 AZ: 338.00 TVD: 6614.77 VS: -782.81

MD: 6851.00 INC: 9.00 AZ: 4.00 TVD: 6710.32 VS: -774.38

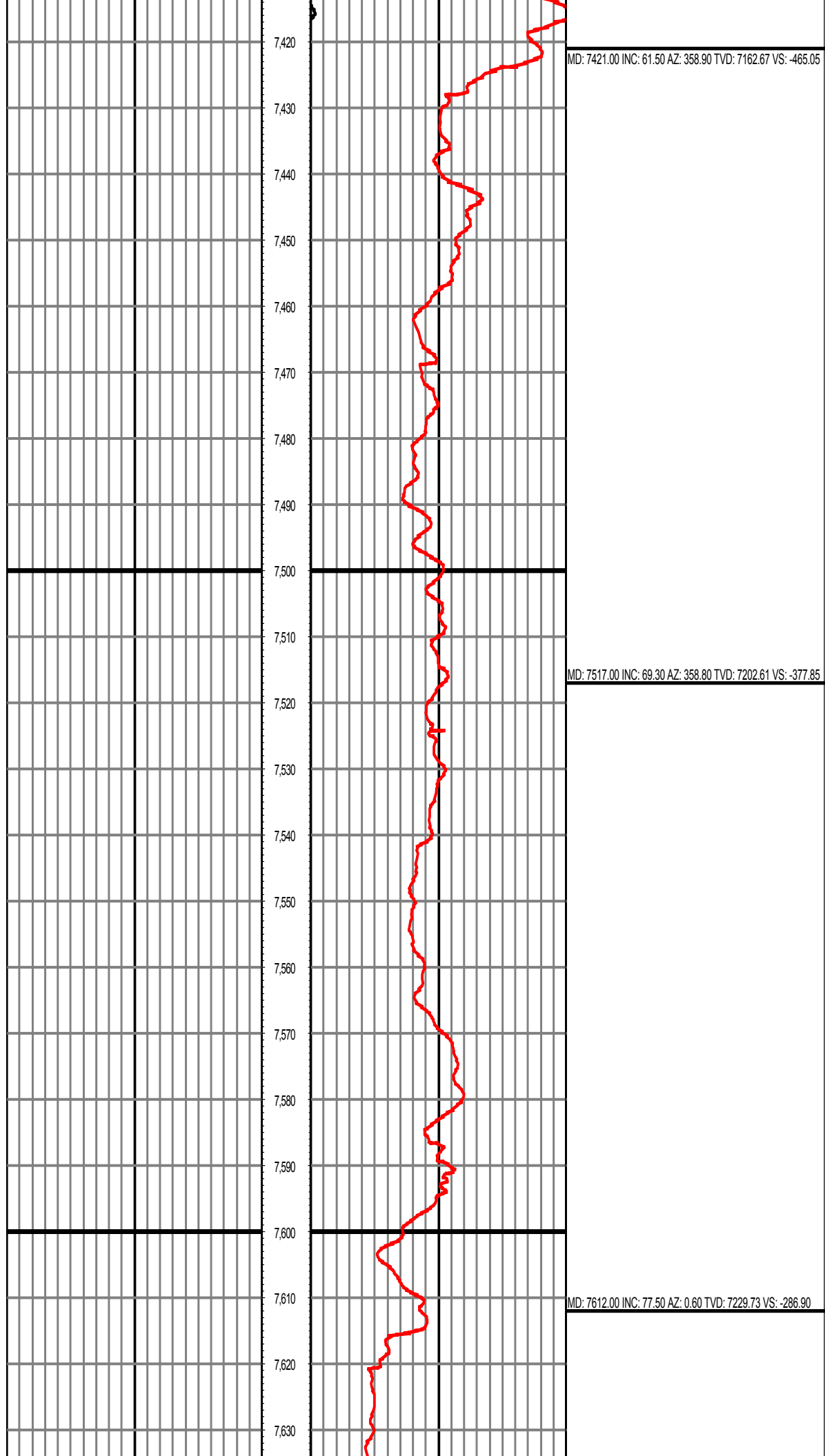
MD: 6946.00 INC: 16.80 AZ: 5.10 TVD: 6802.85 VS: -753.25

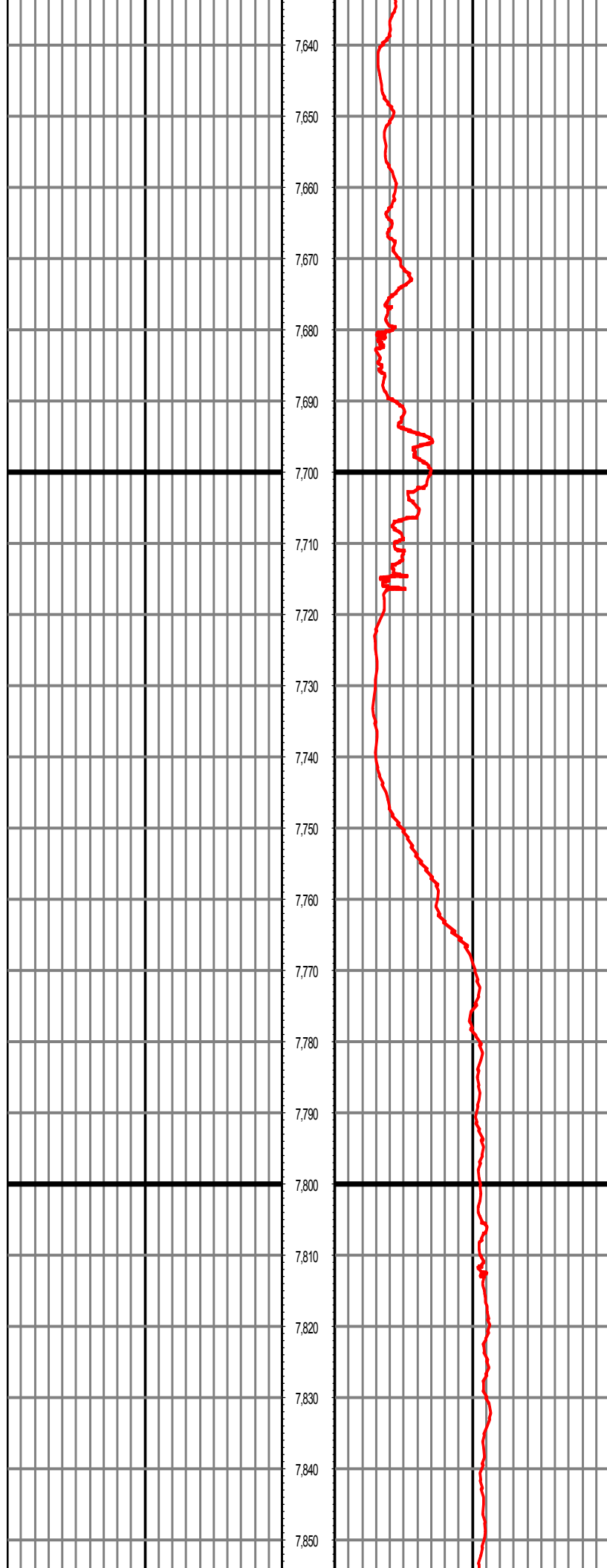




MD: 7231.00 INC: 43.90 AZ: 353.70 TVD: 7049.29 VS: -616.02

MD: 7326.00 INC: 53.70 AZ: 354.60 TVD: 7111.79 VS: -545.03

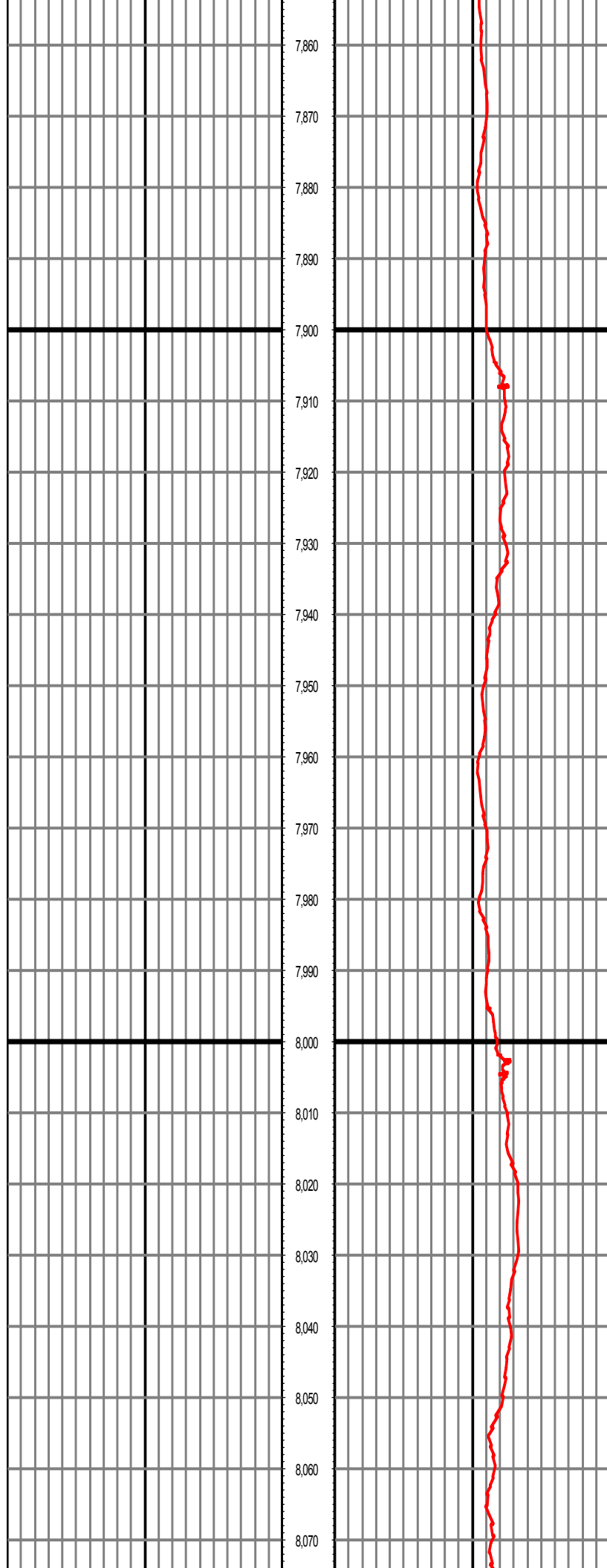




MD: 7707.00 INC: 82.80 AZ: 2.60 TVD: 7245.97 VS: -193.36

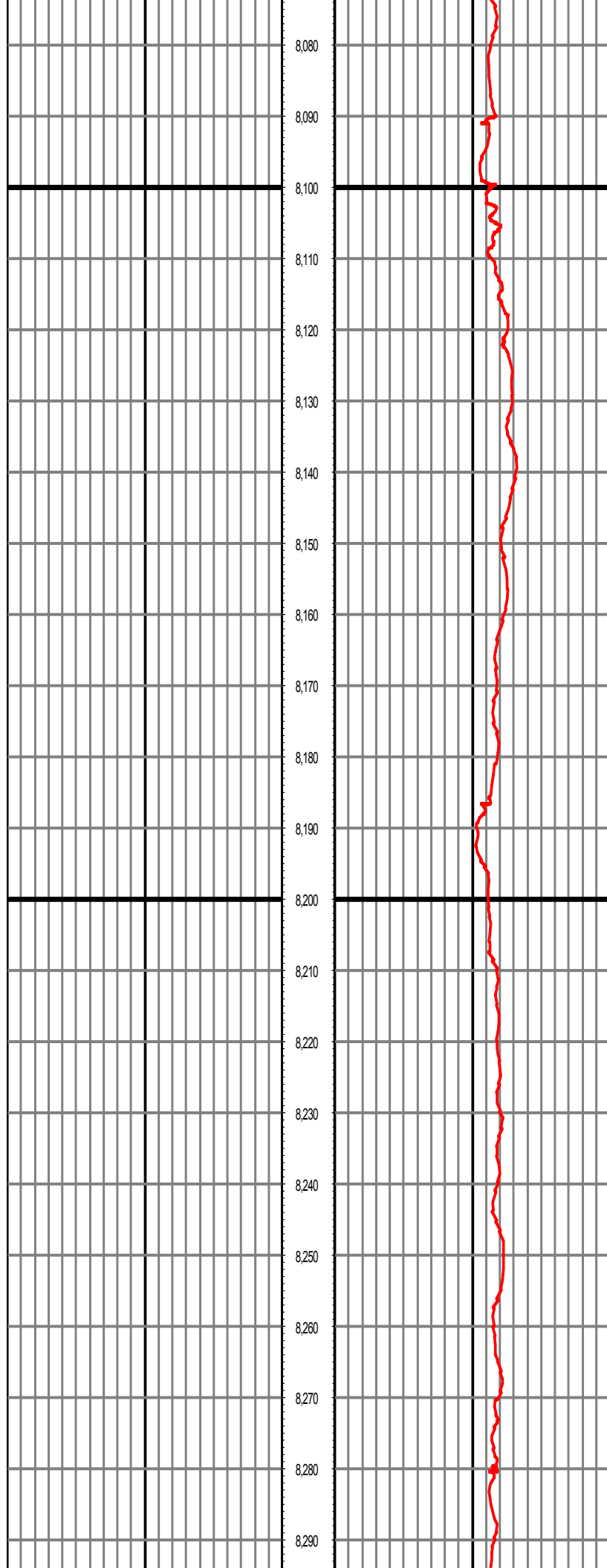
MD: 7802.00 INC: 87.00 AZ: 3.90 TVD: 7254.42 VS: -98.89





MD: 7898.00 INC: 88.00 AZ: 3.90 TVD: 7258.60 VS: -3.18

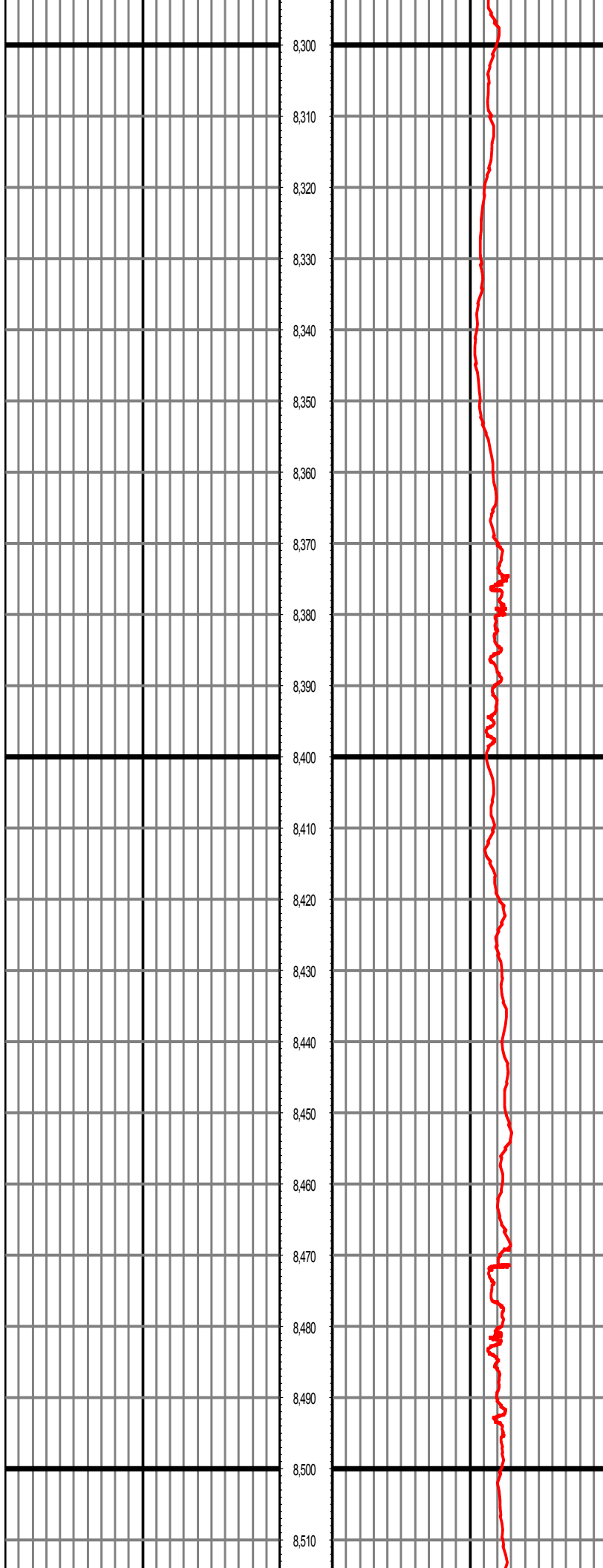
MD: 7993.00 INC: 89.30 AZ: 4.00 TVD: 7260.84 VS: 91.59



MD: 8088.00 INC: 90.60 AZ: 3.70 TVD: 7260.93 VS: 186.40

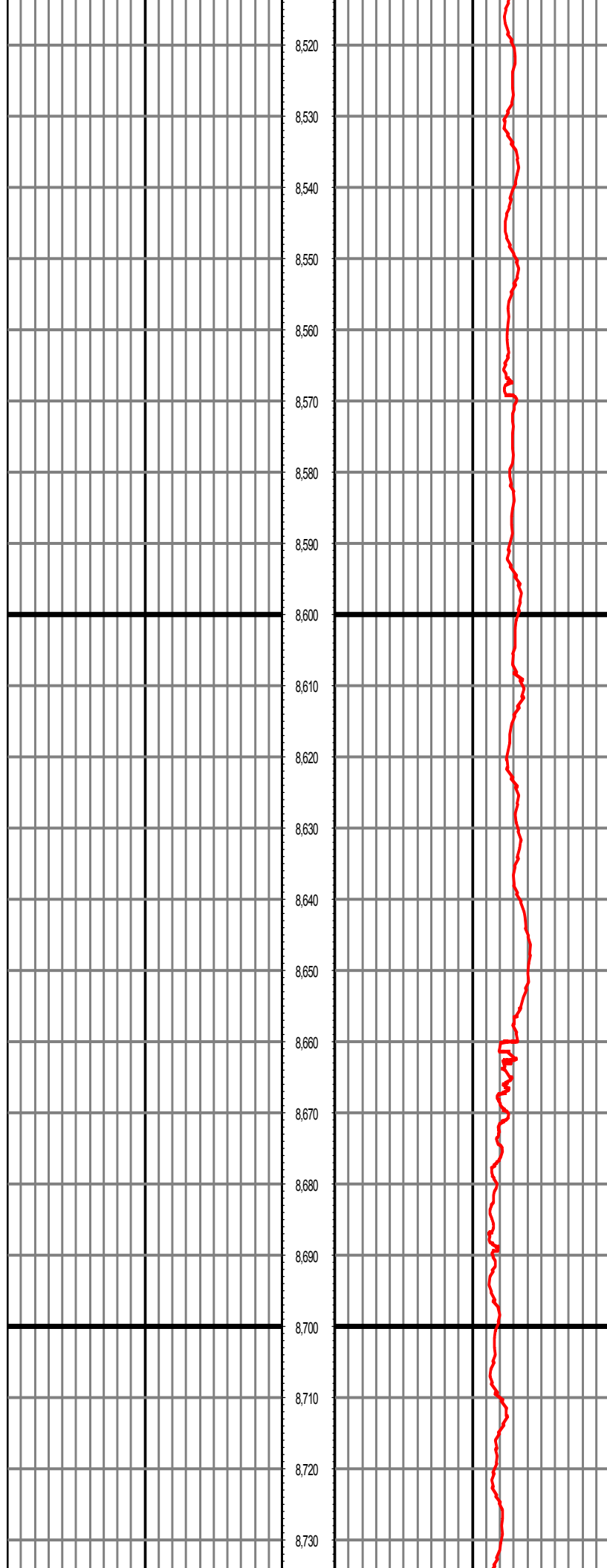
MD: 8183.00 INC: 89.40 AZ: 2.20 TVD: 7260.93 VS: 281.29

MD: 8278.00 INC: 90.40 AZ: 1.30 TVD: 7261.09 VS: 376.25



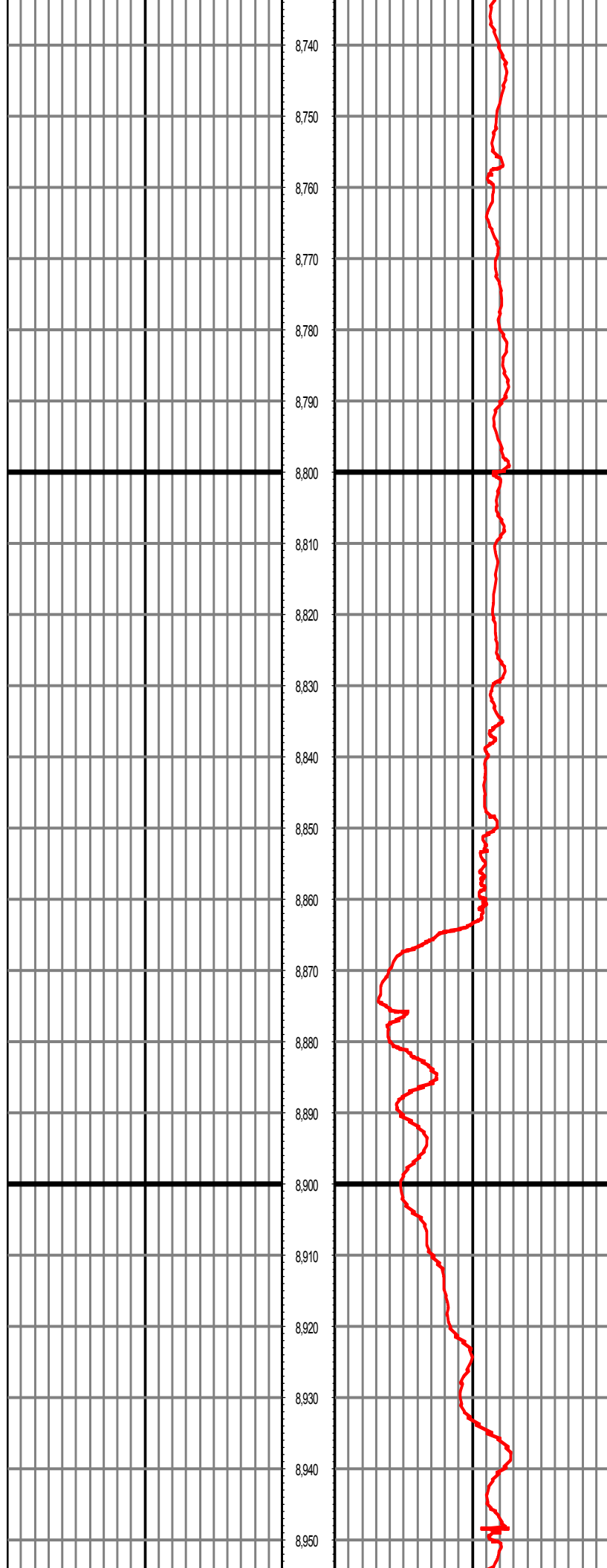
MD: 8373.00 INC: 91.60 AZ: 0.50 TVD: 7259.43 VS: 471.23

MD: 8469.00 INC: 90.70 AZ: 1.30 TVD: 7257.51 VS: 567.20



MD: 8564.00 INC: 89.90 AZ: 0.90 TVD: 7257.01 VS: 662.18

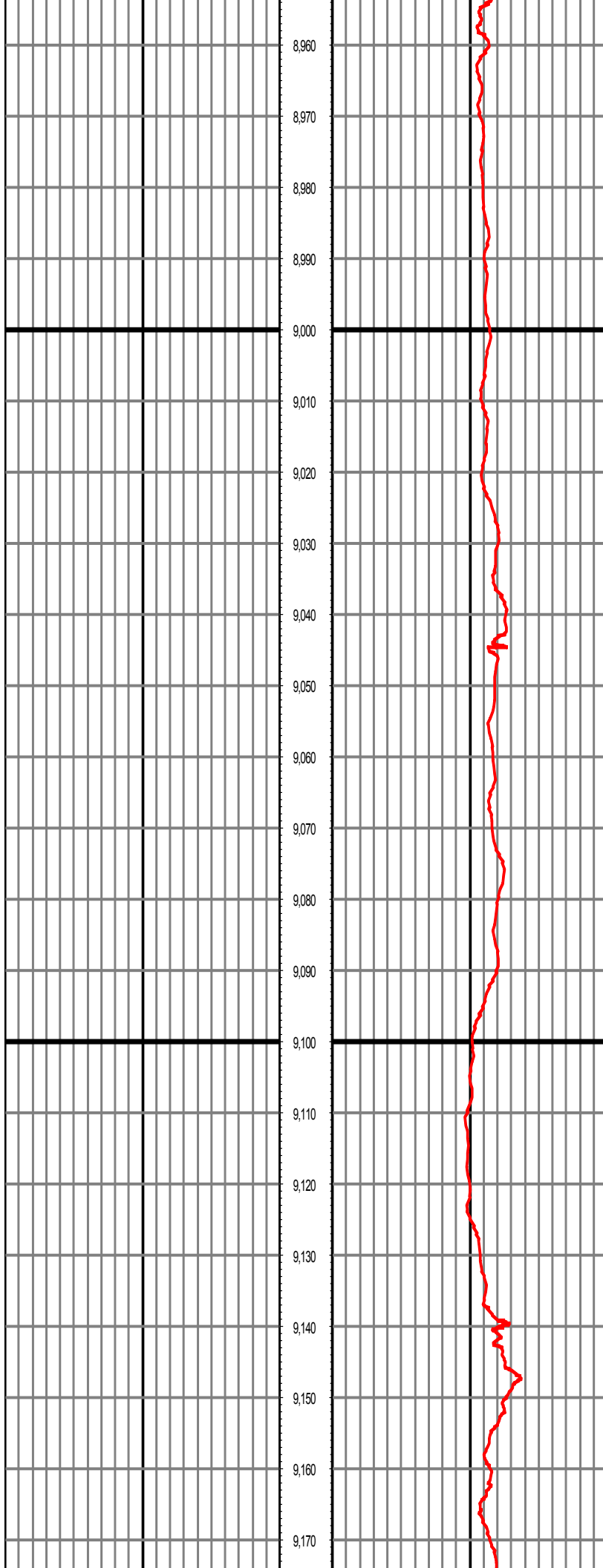
MD: 8659.00 INC: 91.30 AZ: 1.20 TVD: 7256.01 VS: 757.17



MD: 8754.00 INC: 89.40 AZ: 359.50 TVD: 7255.43 VS: 852.16

MD: 8849.00 INC: 90.80 AZ: 359.60 TVD: 7255.27 VS: 947.15

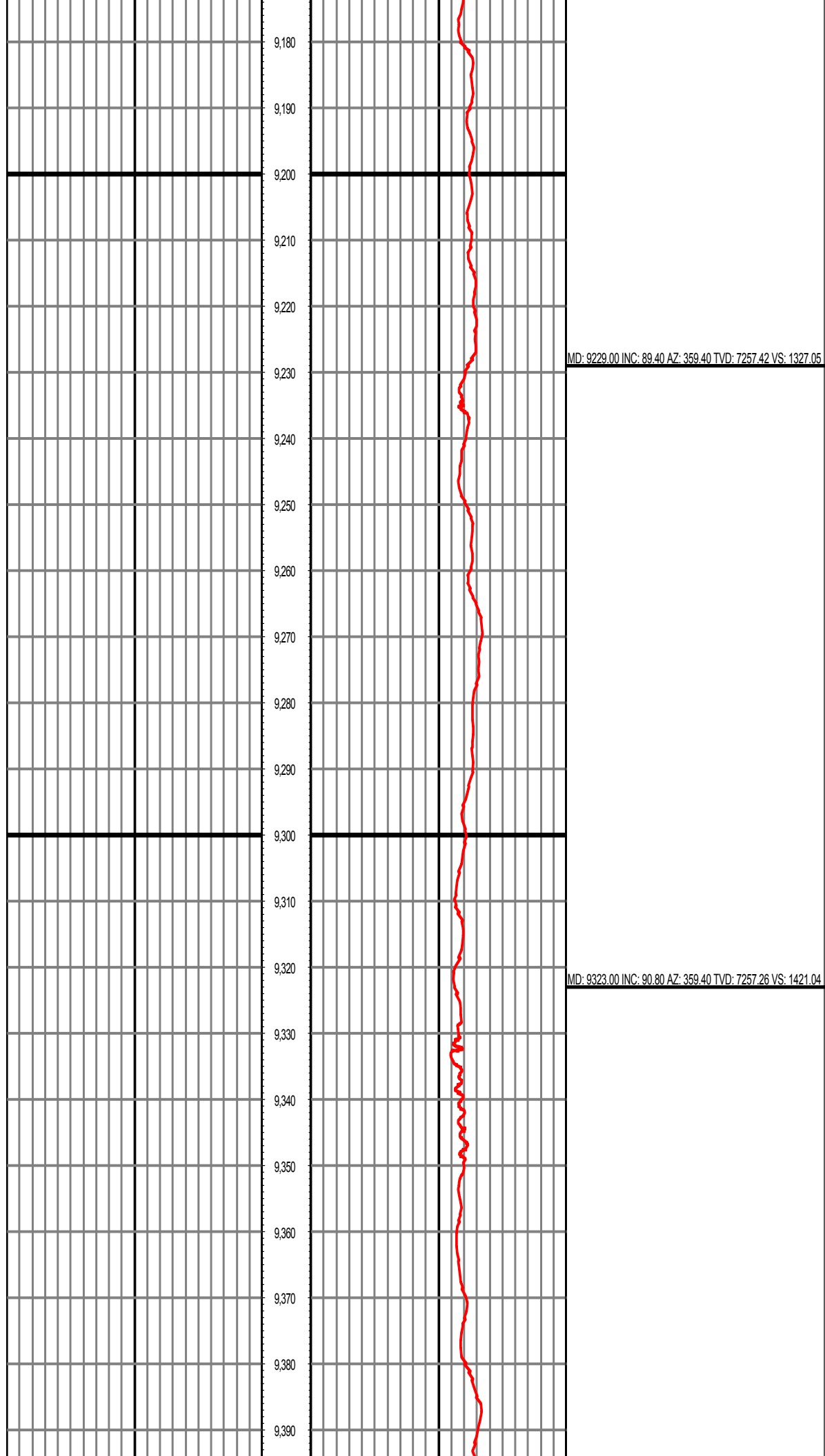
MD: 8944.00 INC: 88.00 AZ: 359.20 TVD: 7256.26 VS: 1042.12

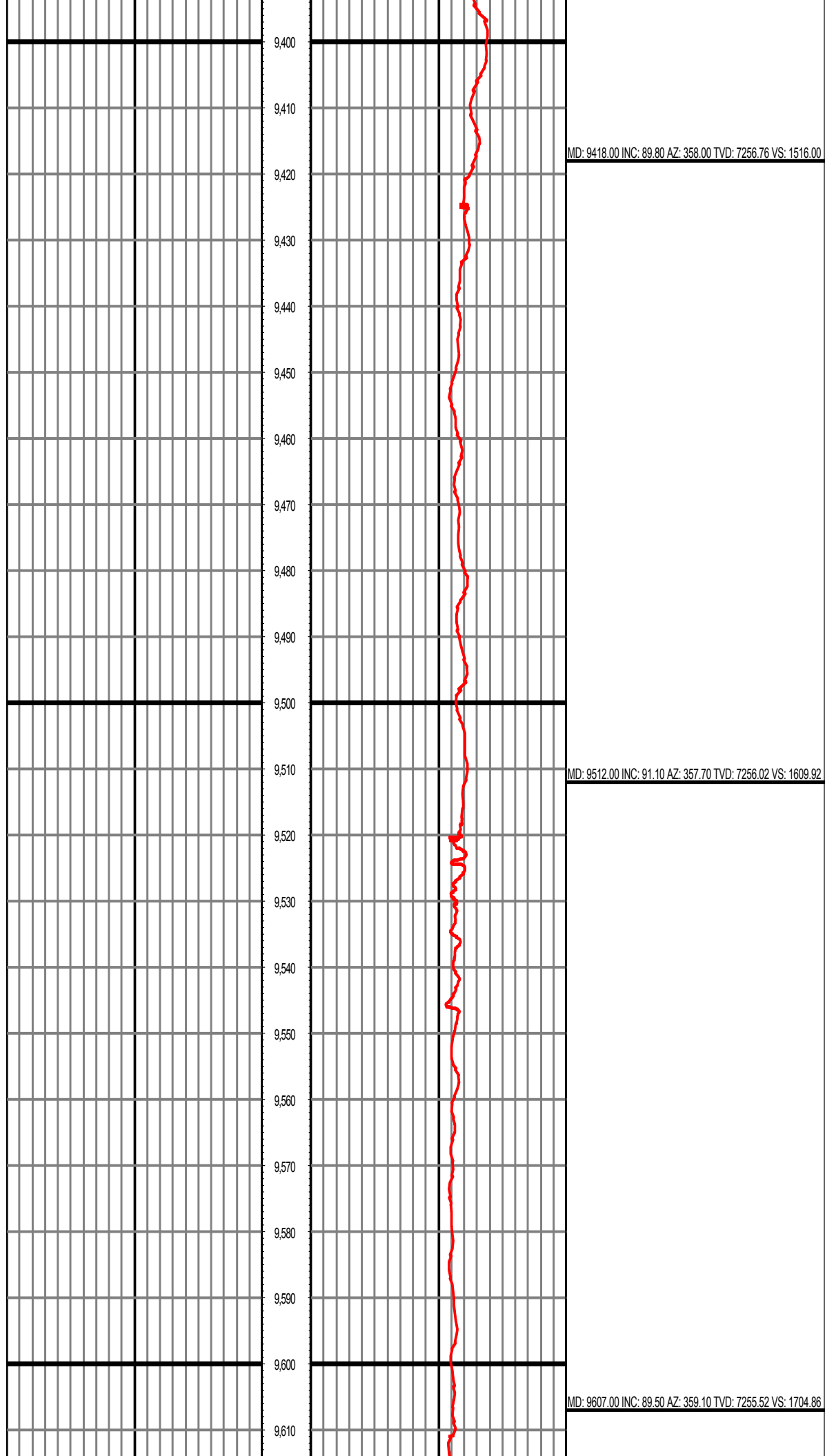


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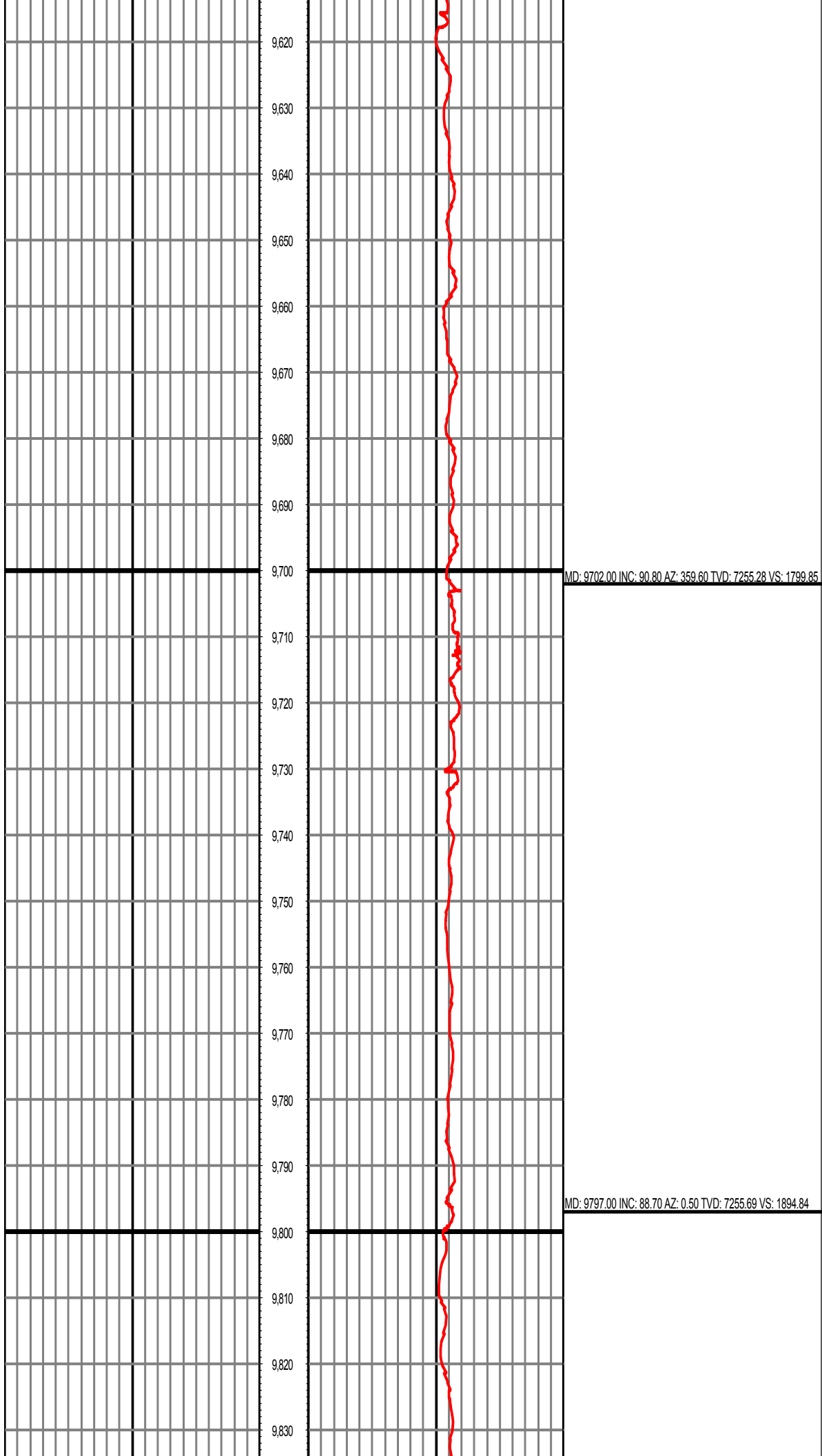
MD: 9039.00 INC: 89.20 AZ: 359.10 TVD: 7258.58 VS: 1137.08

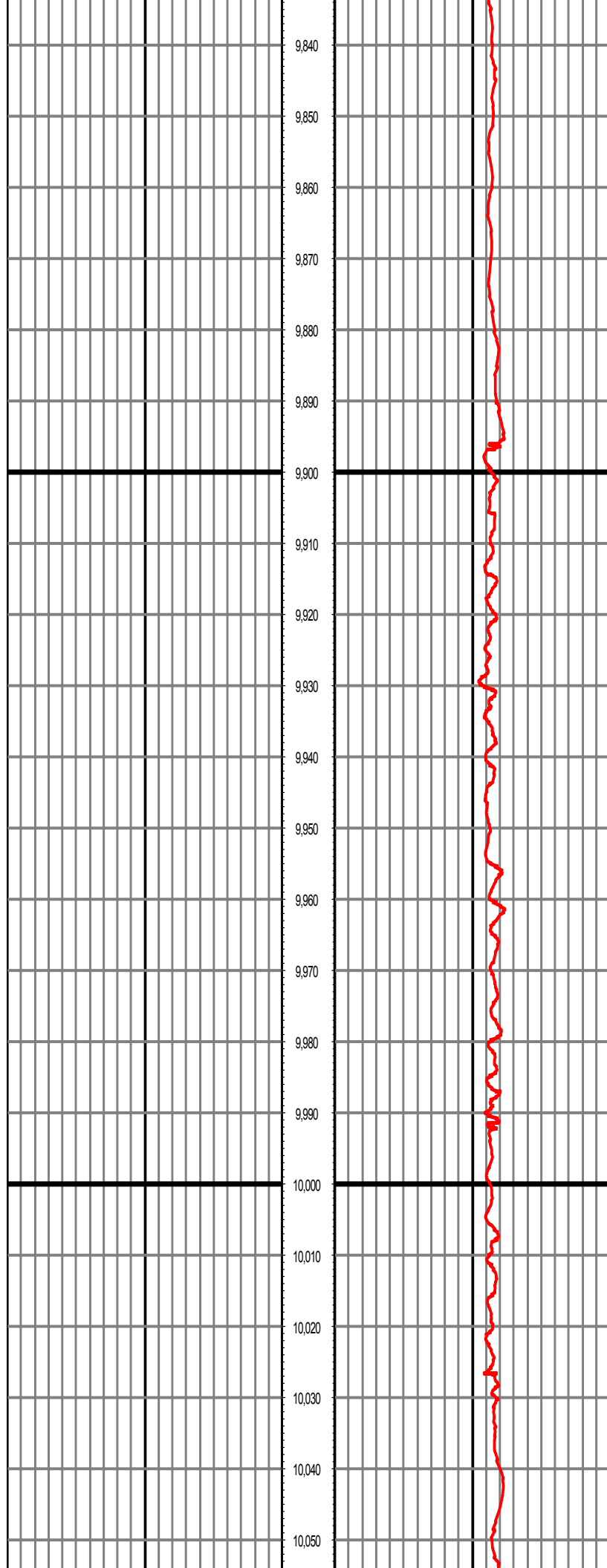
MD: 9134.00 INC: 91.40 AZ: 0.40 TVD: 7258.09 VS: 1232.06





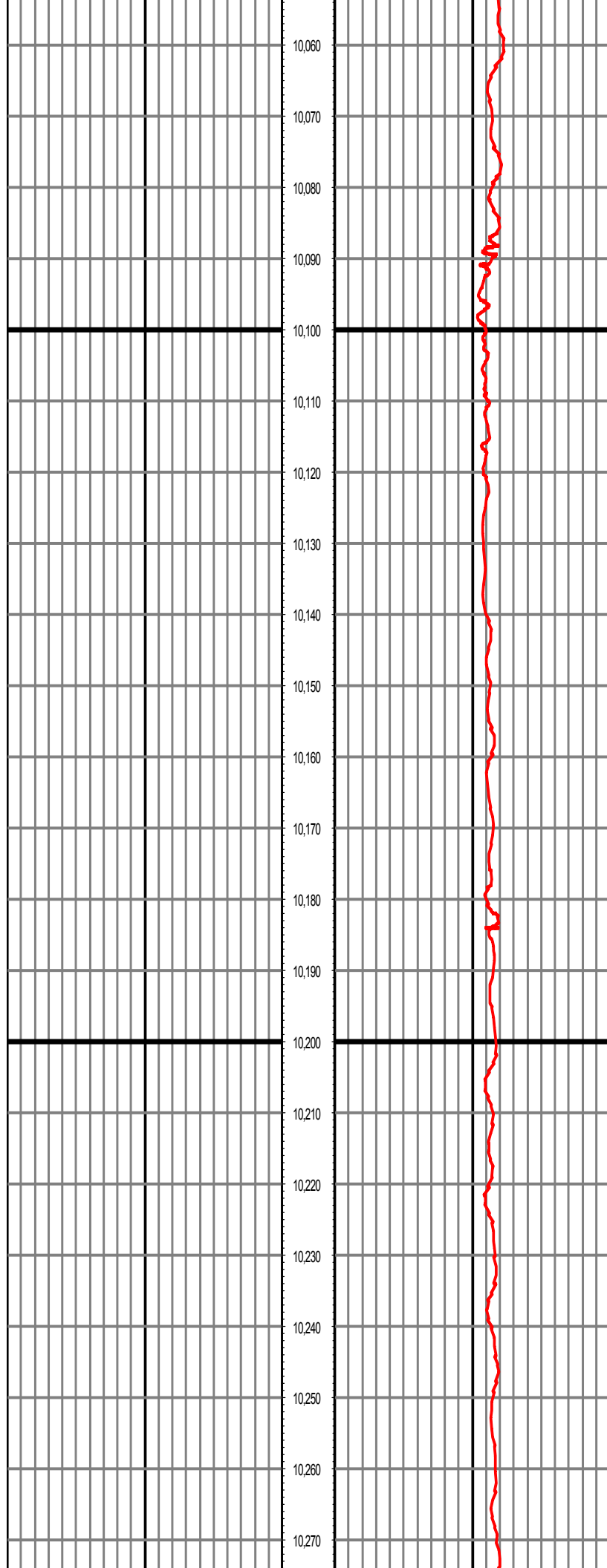






MD: 9893.00 INC: 89.60 AZ: 0.70 TVD: 7257.12 VS: 1990.83

MD: 9988.00 INC: 90.10 AZ: 359.70 TVD: 7257.36 VS: 2085.83



MD: 10083.00 INC: 91.30 AZ: 359.90 TVD: 7256.20 VS: 2180.81

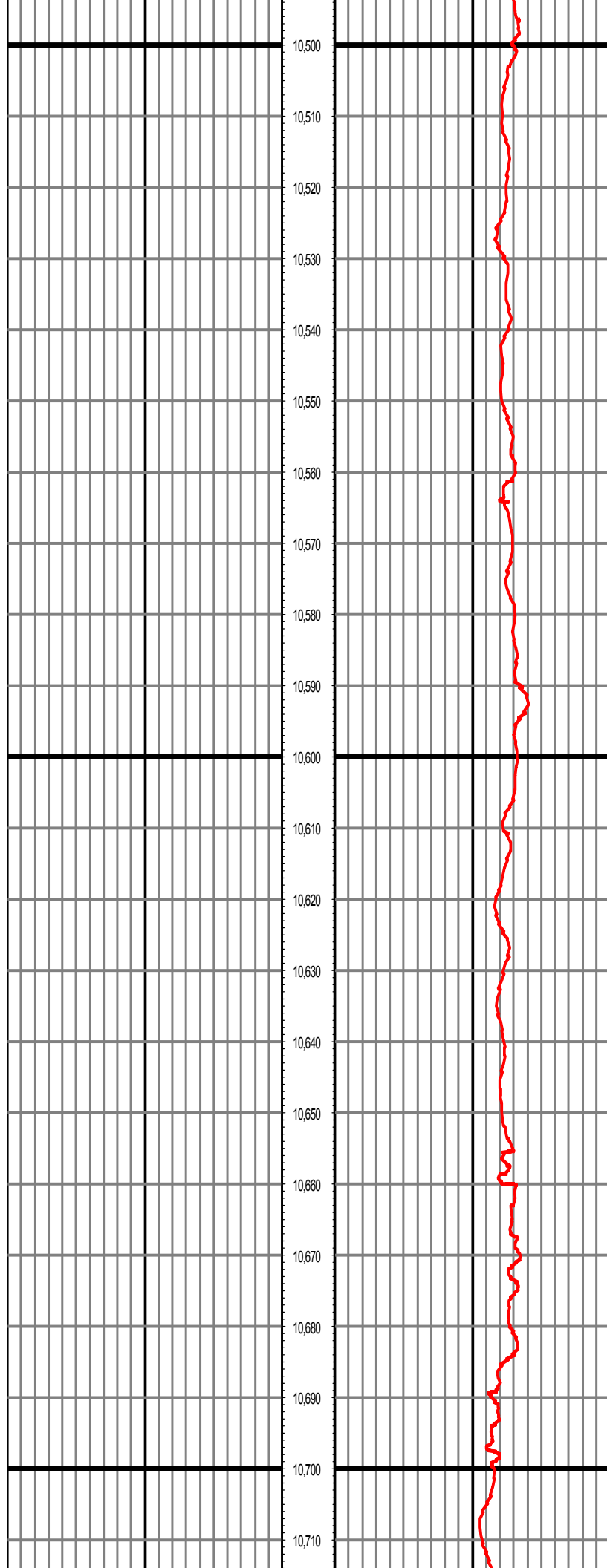
MD: 10178.00 INC: 89.10 AZ: 359.90 TVD: 7255.87 VS: 2275.81

MD: 10273.00 INC: 90.10 AZ: 359.80 TVD: 7256.53 VS: 2370.80

MD: 10273.00 INC: 90.10 AZ: 359.80 TVD: 7256.53 VS: 2370.80

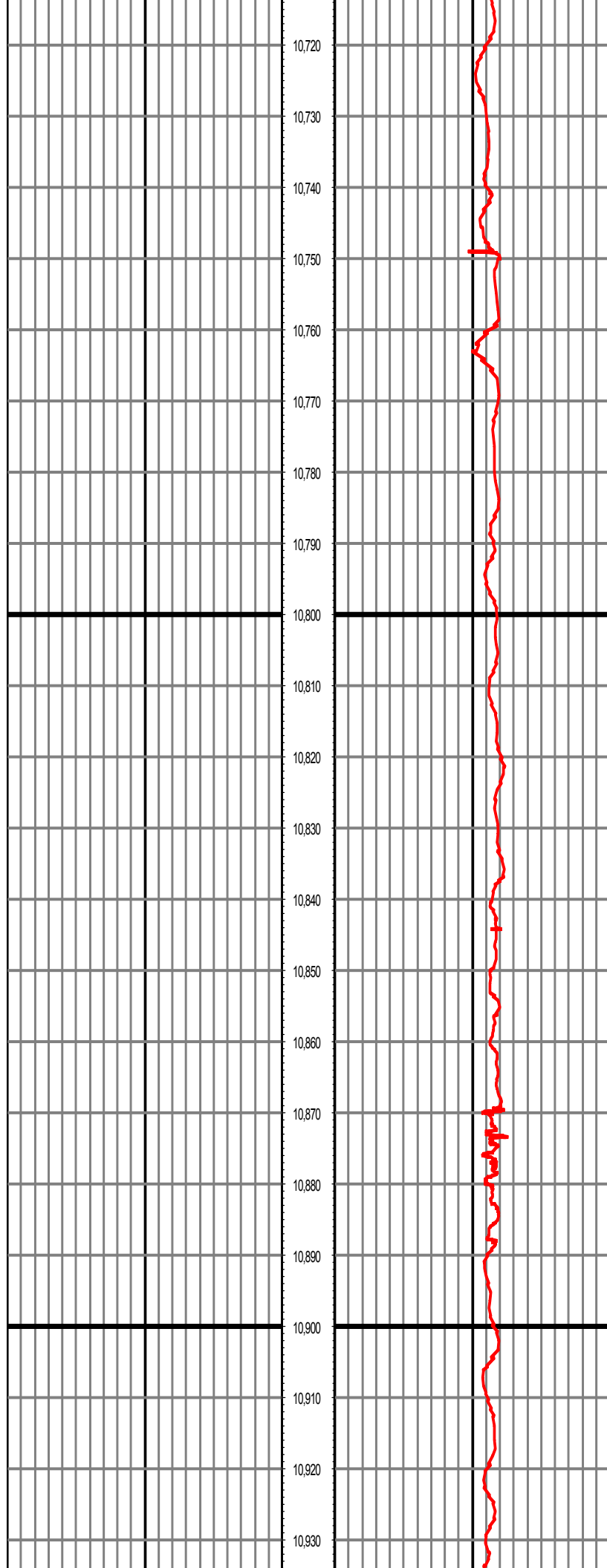
MD: 10368.00 INC: 91.20 AZ: 359.50 TVD: 7255.46 VS: 2465.79

MD: 10463.00 INC: 90.40 AZ: 359.90 TVD: 7254.13 VS: 2560.77



MD: 10555.00 INC: 90.20 AZ: 0.20 TVD: 7253.65 VS: 2652.77

MD: 10650.00 INC: 91.10 AZ: 0.00 TVD: 7252.57 VS: 2747.76



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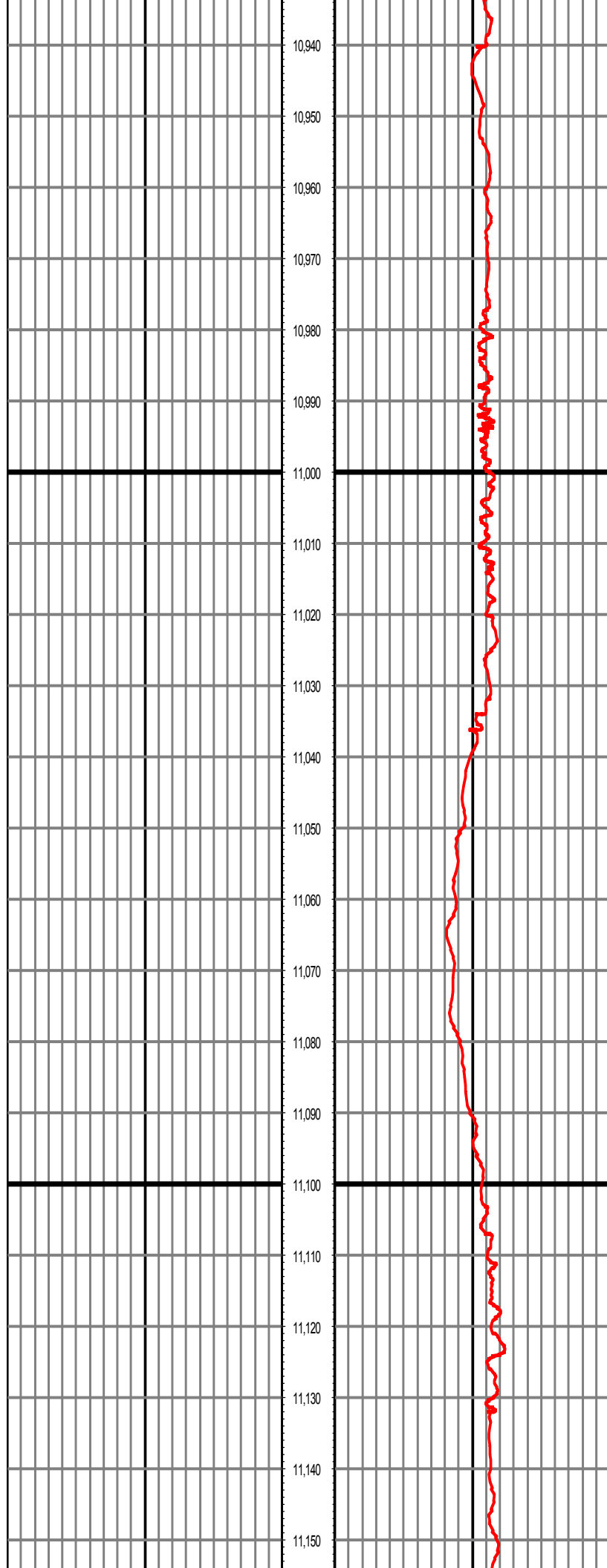
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MD: 10744.00 INC: 90.50 AZ: 1.50 TVD: 7251.26 VS: 2841.75

MD: 10840.00 INC: 91.00 AZ: 2.50 TVD: 7250.00 VS: 2937.69

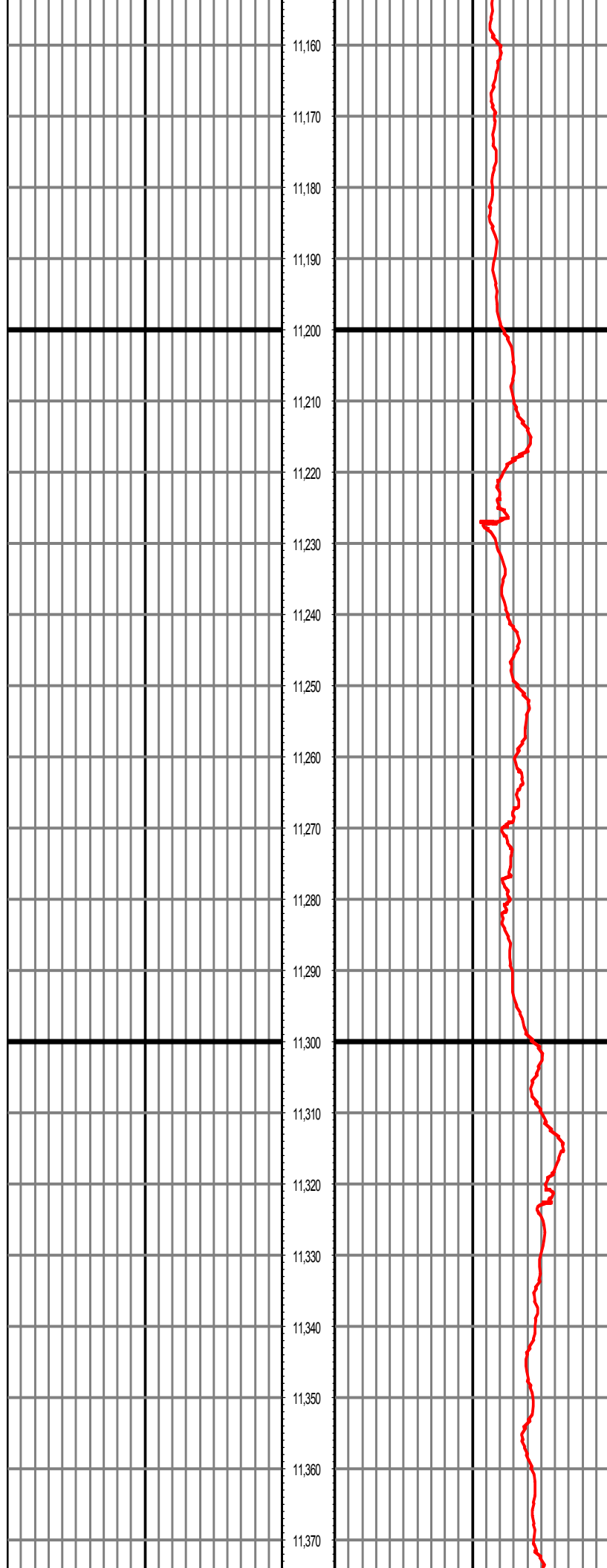
MD: 10935.00 INC: 90.40 AZ: 3.10 TVD: 7248.84 VS: 3032.59



MD: 10935.00 INC: 90.40 AZ: 3.10 TVD: 7248.84 VS: 3032.59

MD: 11030.00 INC: 91.00 AZ: 2.40 TVD: 7247.68 VS: 3127.49

MD: 11125.00 INC: 86.50 AZ: 0.40 TVD: 7249.75 VS: 3222.42



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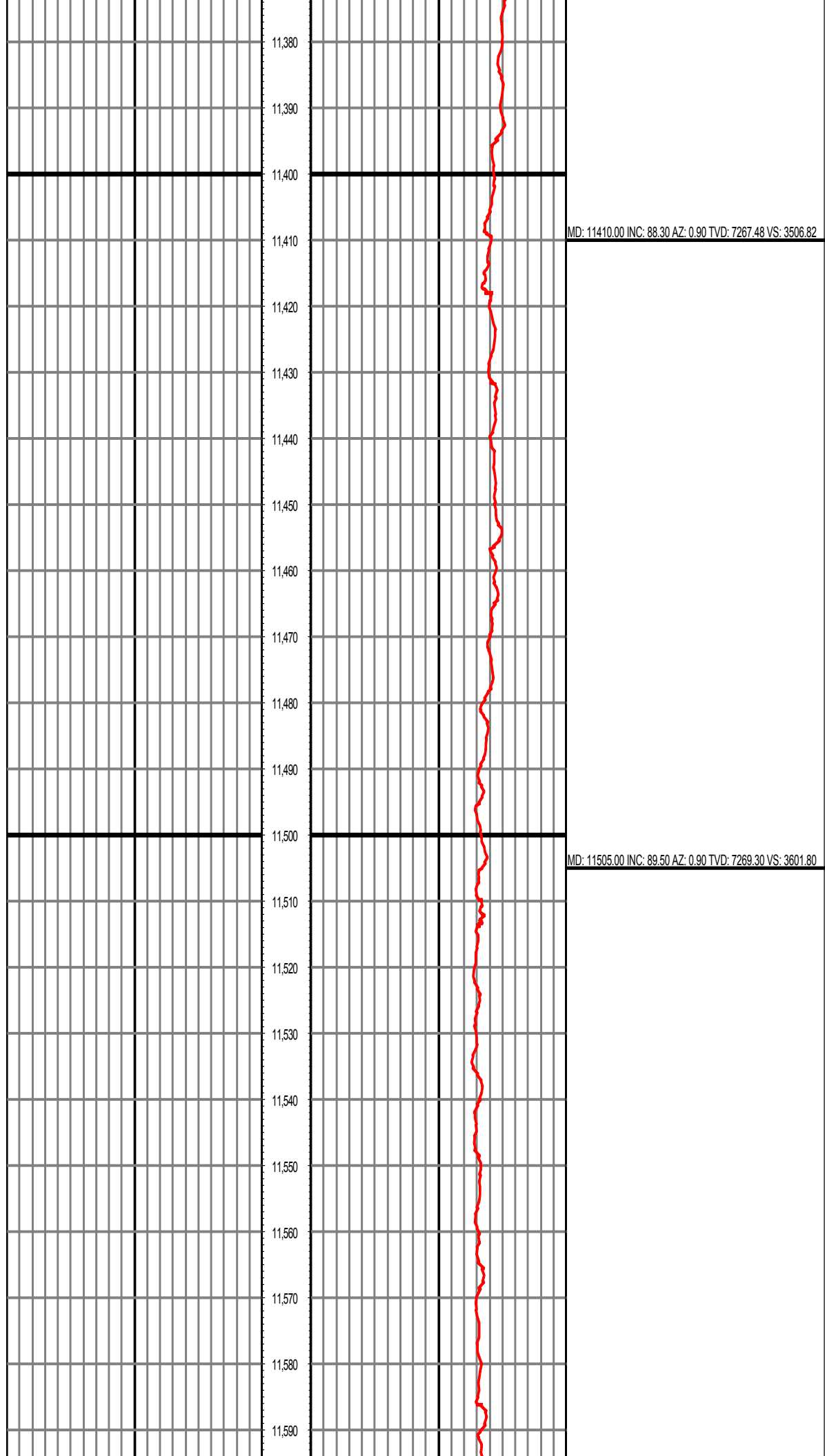
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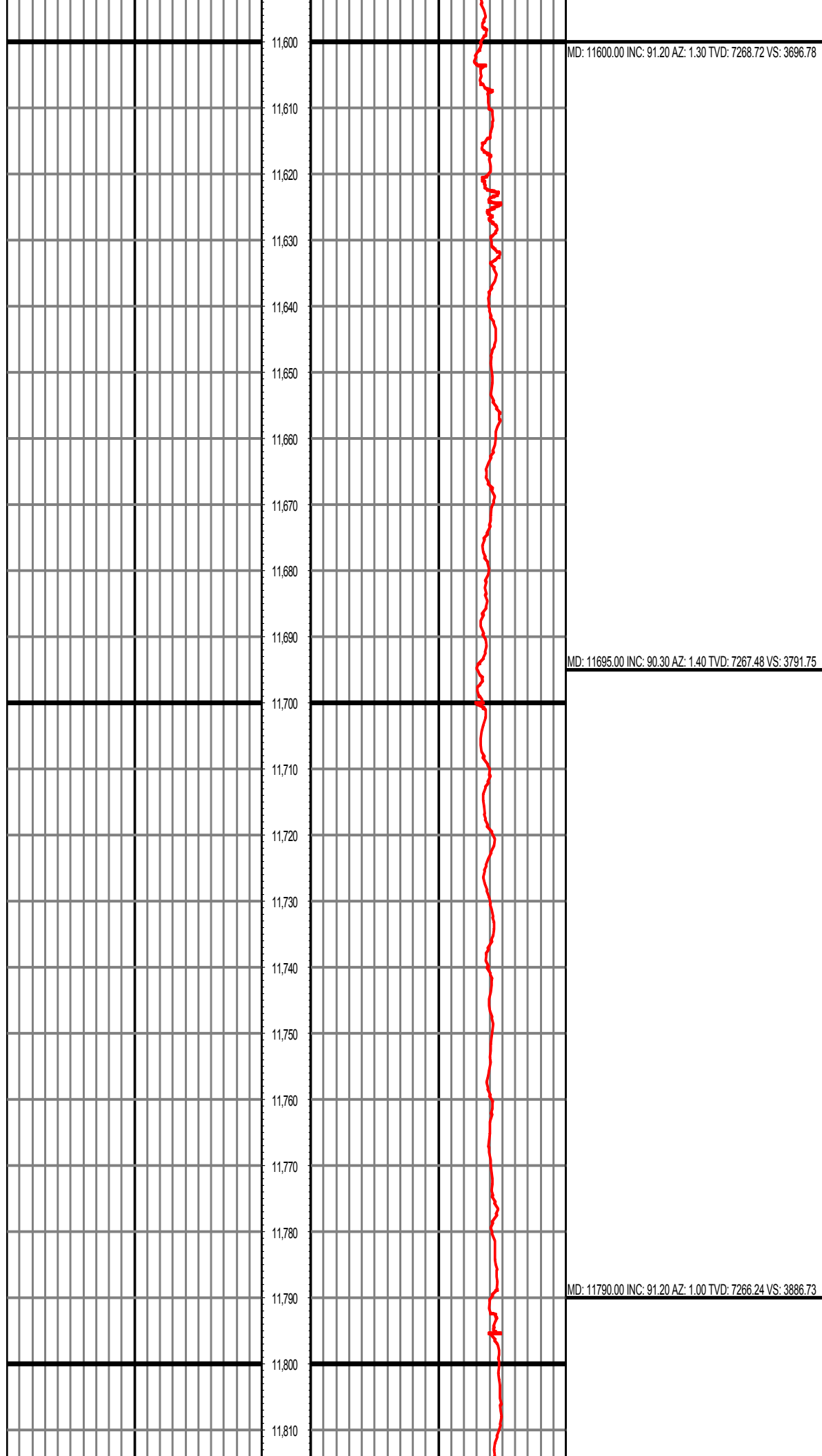
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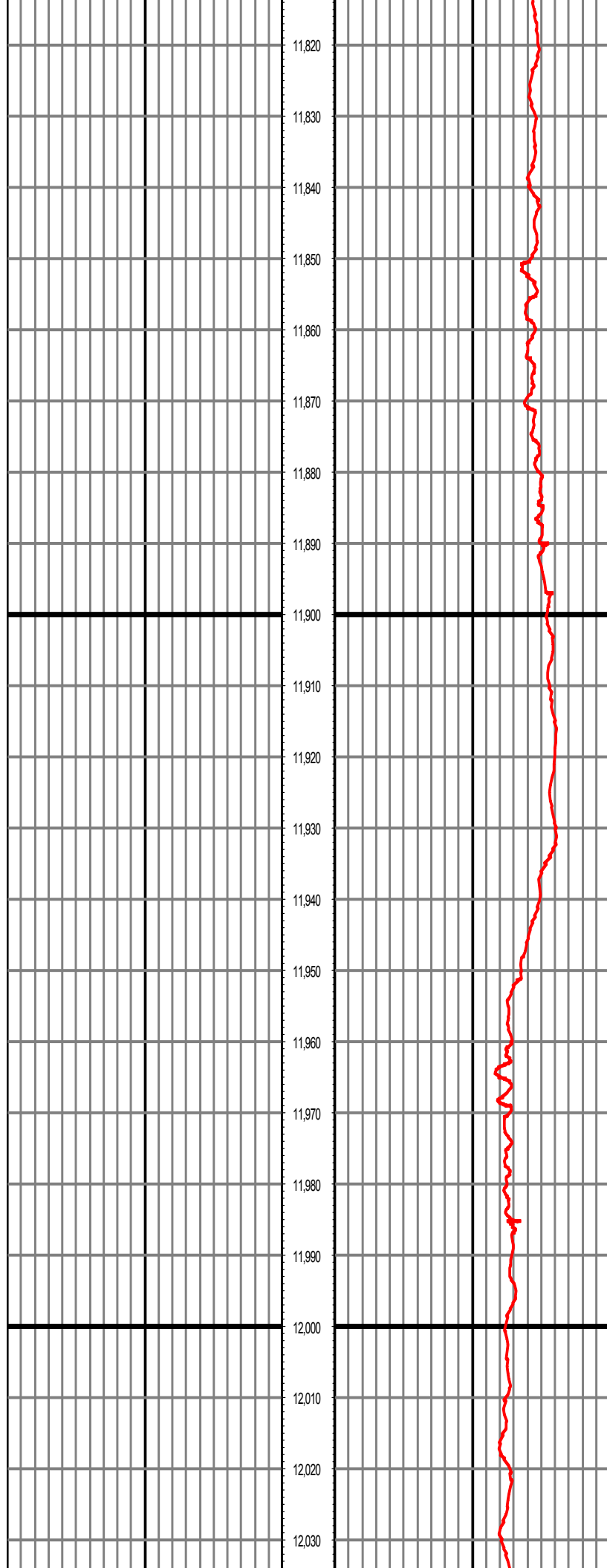
MD: 11220.00 INC: 85.10 AZ: 0.40 TVD: 7256.71 VS: 3317.16

MD: 11315.00 INC: 86.80 AZ: 0.70 TVD: 7263.42 VS: 3411.92









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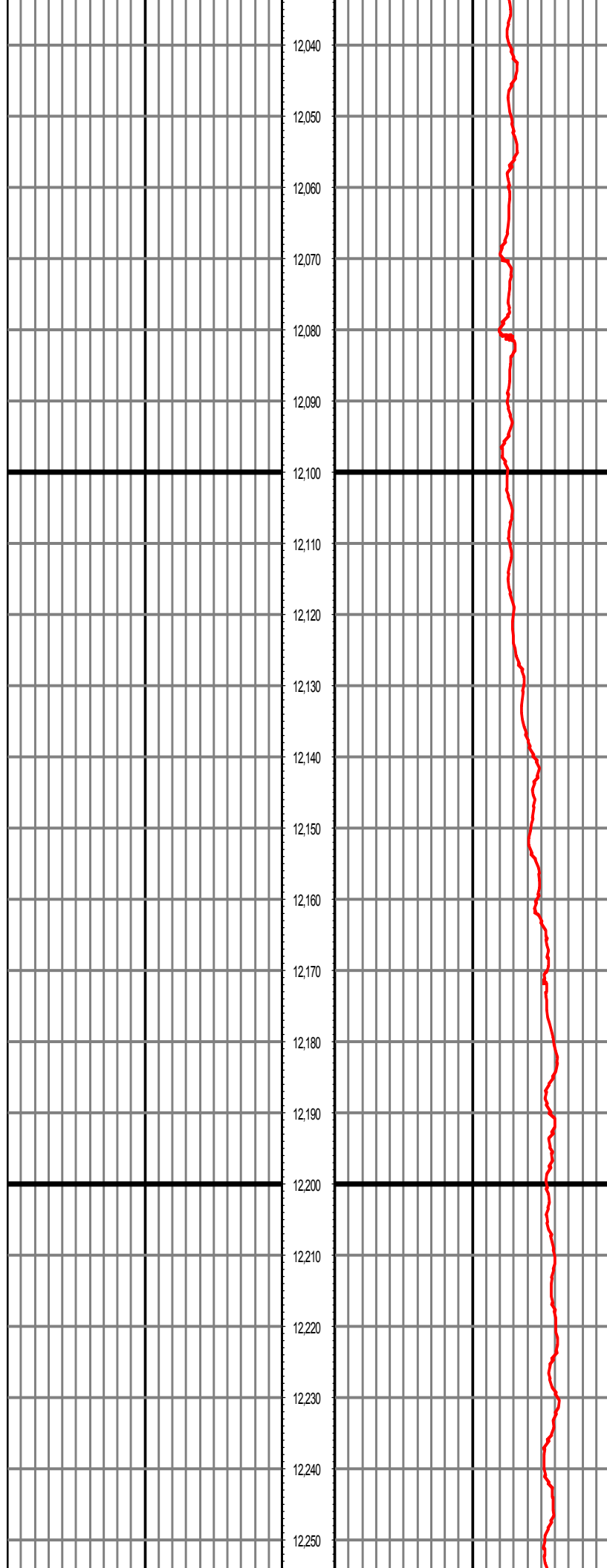
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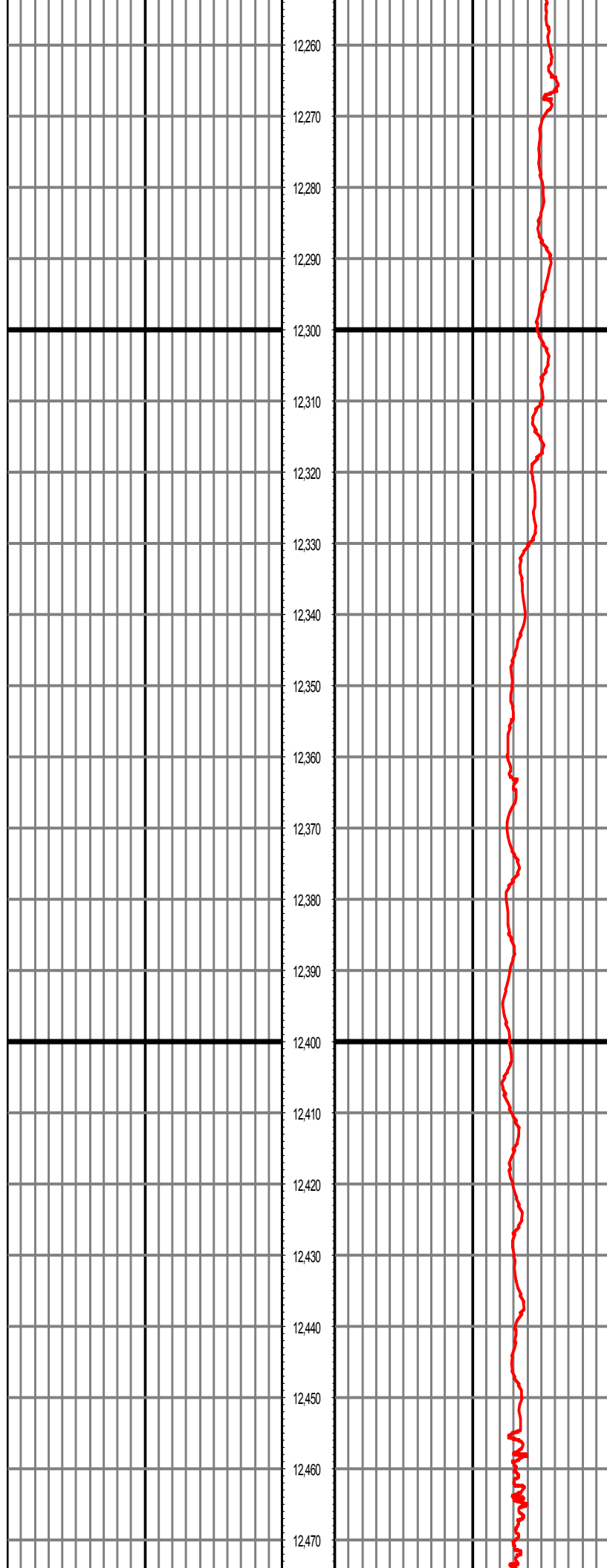
MD: 11884.00 INC: 92.50 AZ: 1.00 TVD: 7263.20 VS: 3980.67

MD: 11979.00 INC: 91.20 AZ: 0.60 TVD: 7260.14 VS: 4075.61



MD: 12075.00 INC: 88.90 AZ: 1.60 TVD: 7260.05 VS: 4171.60

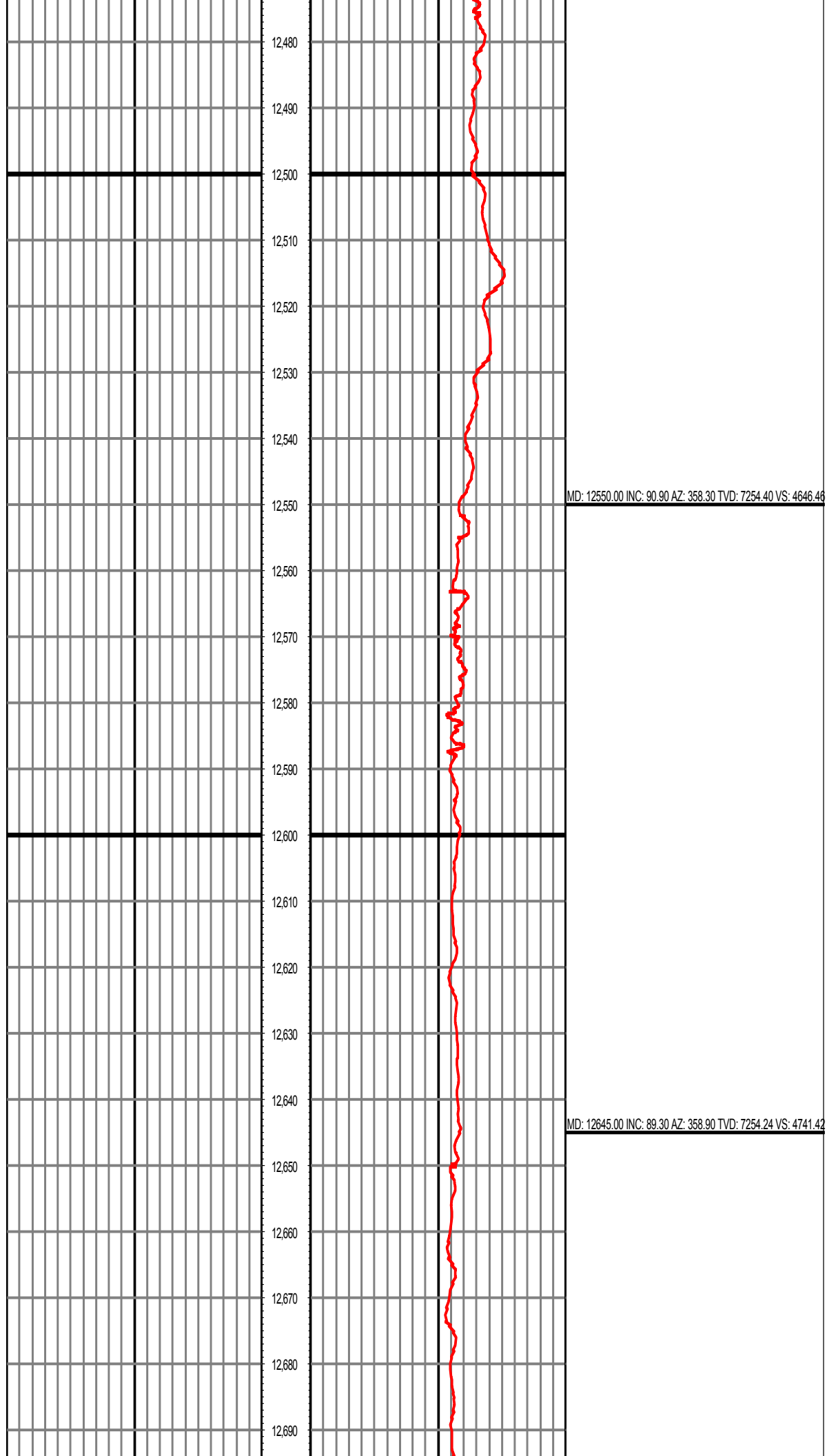
MD: 12170.00 INC: 89.80 AZ: 1.10 TVD: 7261.13 VS: 4266.57

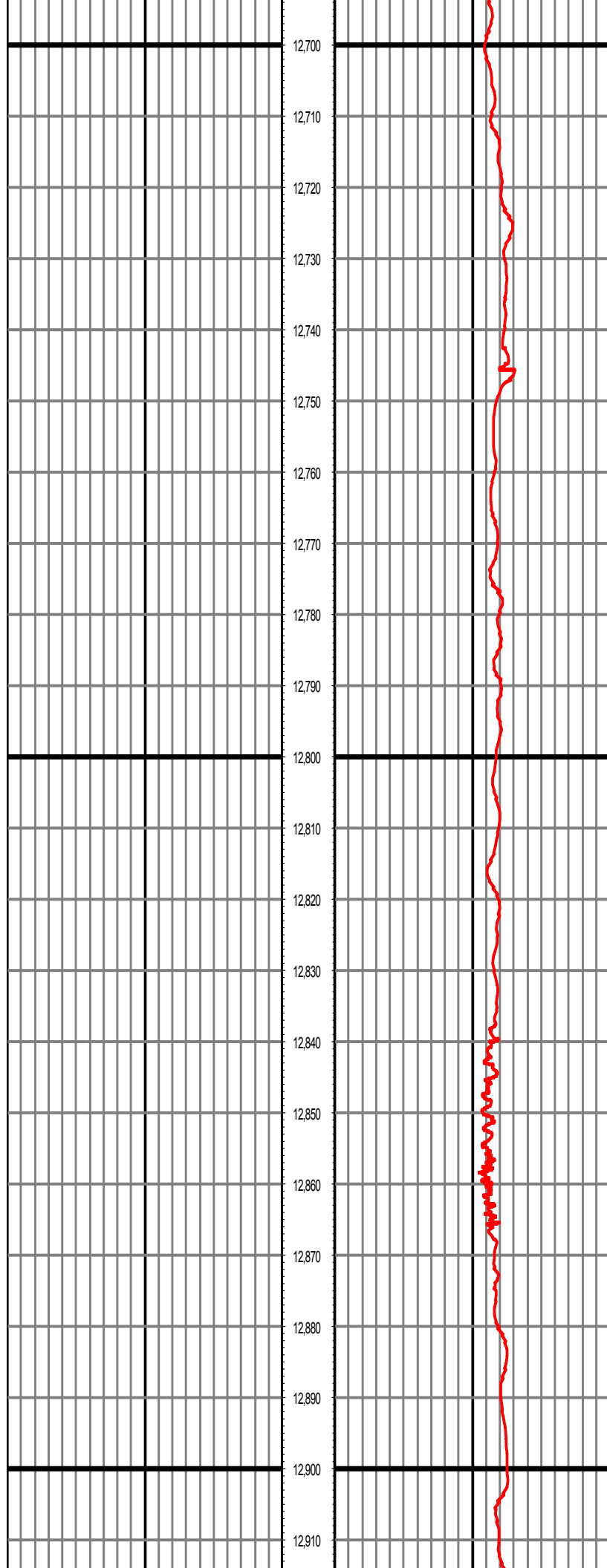


MD: 12265.00 INC: 90.50 AZ: 0.20 TVD: 7260.88 VS: 4361.57

MD: 12359.00 INC: 91.50 AZ: 0.40 TVD: 7259.24 VS: 4455.55

MD: 12455.00 INC: 91.70 AZ: 359.60 TVD: 7256.56 VS: 4551.51





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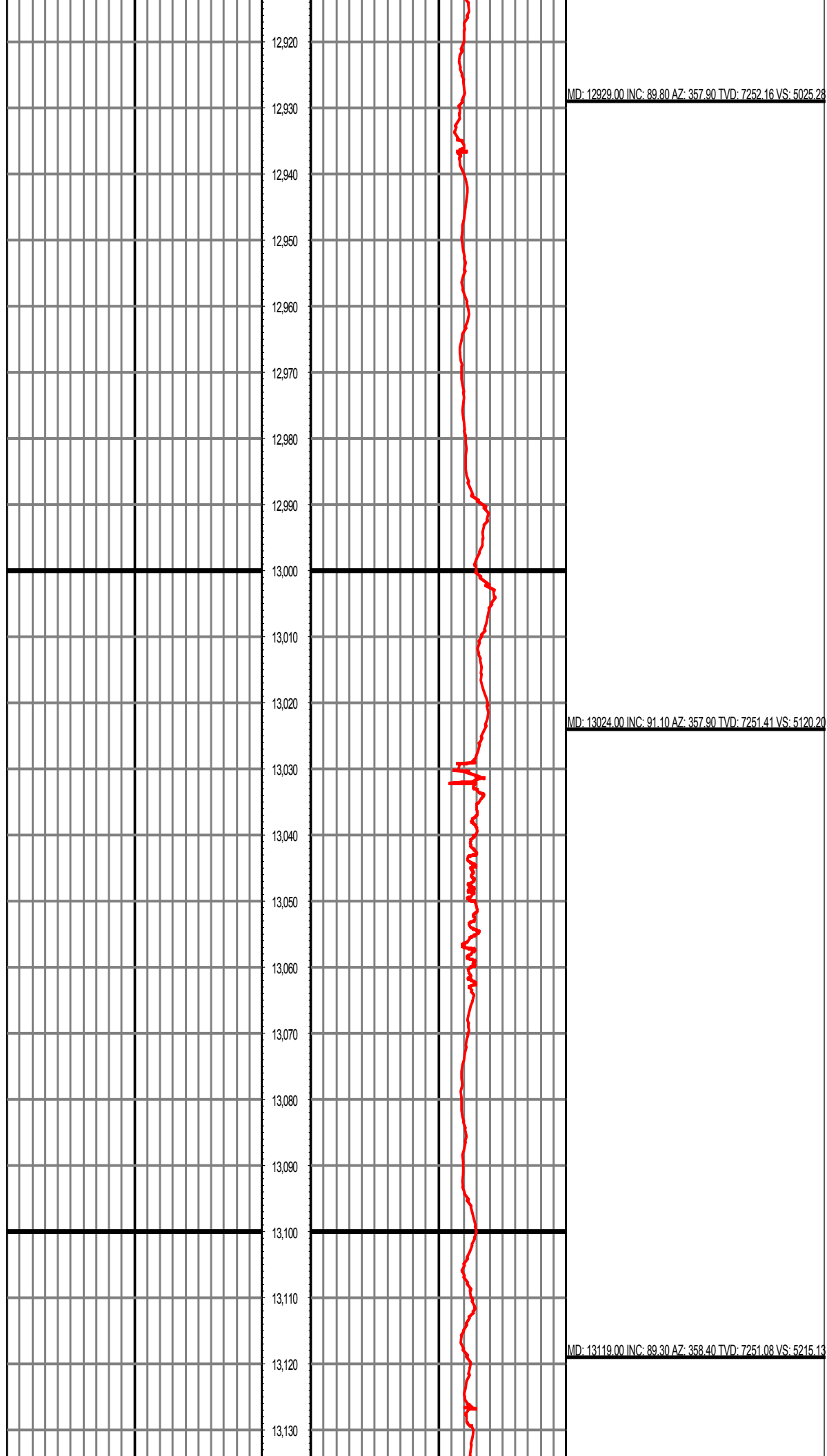
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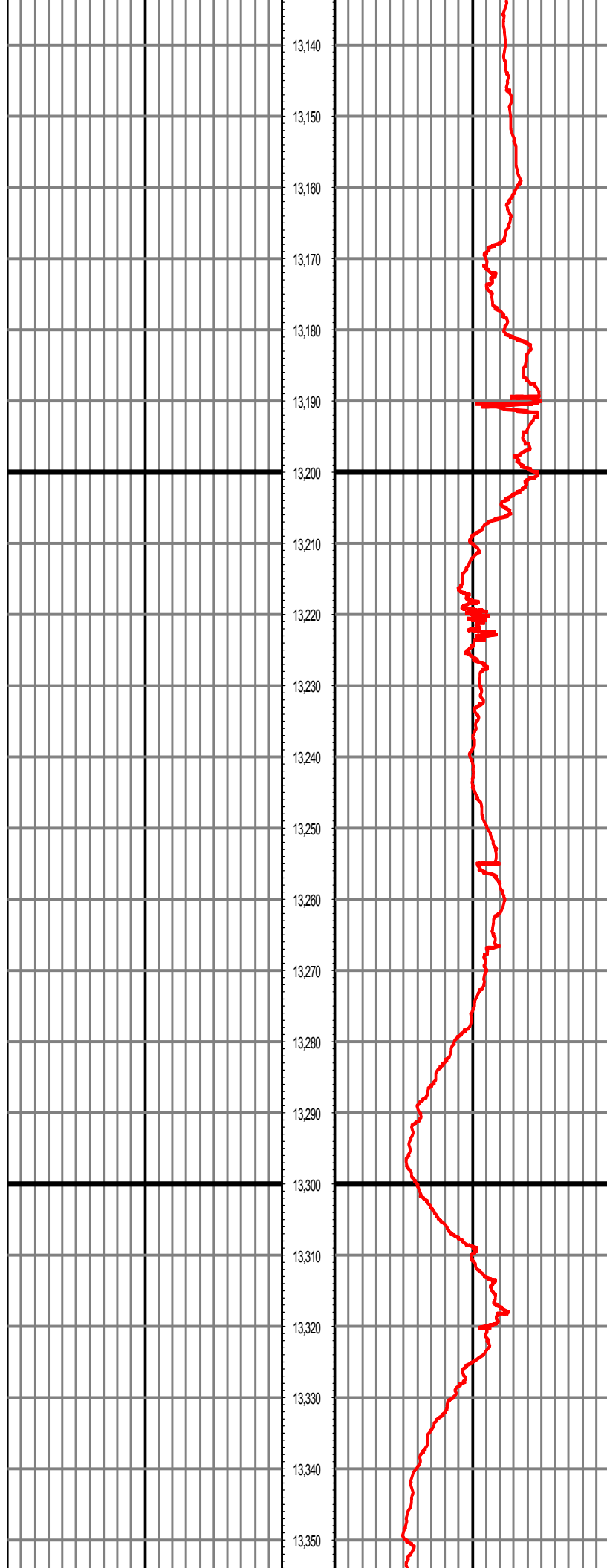
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MD: 12739.00 INC: 90.10 AZ: 358.50 TVD: 7254.73 VS: 4835.38

MD: 12834.00 INC: 91.60 AZ: 359.10 TVD: 7253.32 VS: 4930.34

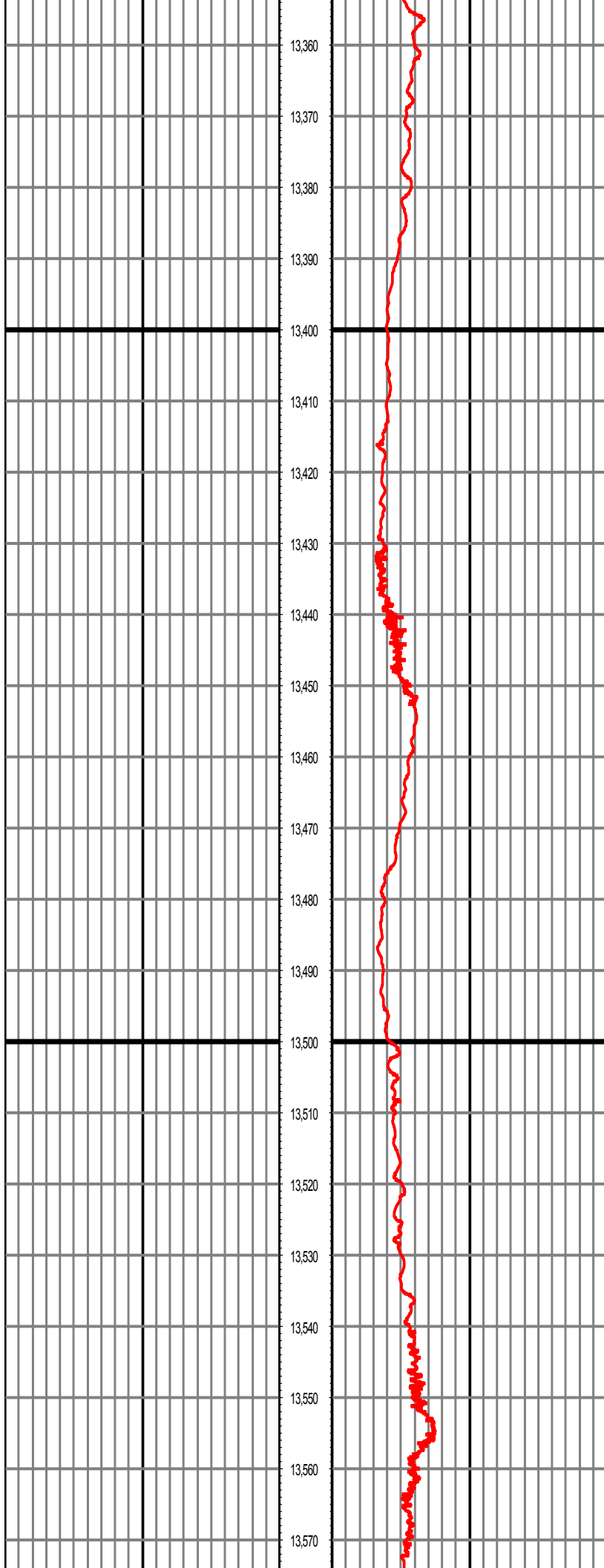






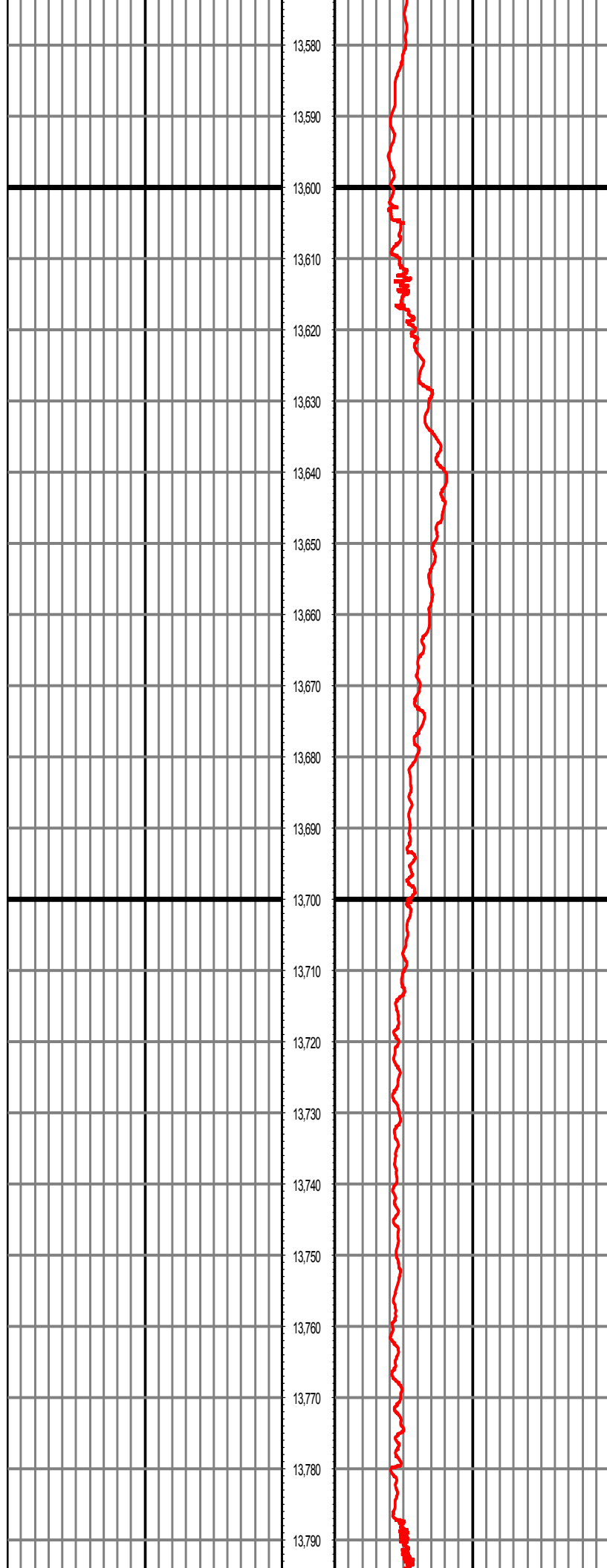
MD: 13214.00 INC: 89.60 AZ: 357.80 TVD: 7252.00 VS: 5310.06

MD: 13310.00 INC: 89.50 AZ: 356.90 TVD: 7252.75 VS: 5405.94



MD: 13405.00 INC: 90.30 AZ: 356.40 TVD: 7252.92 VS: 5500.75

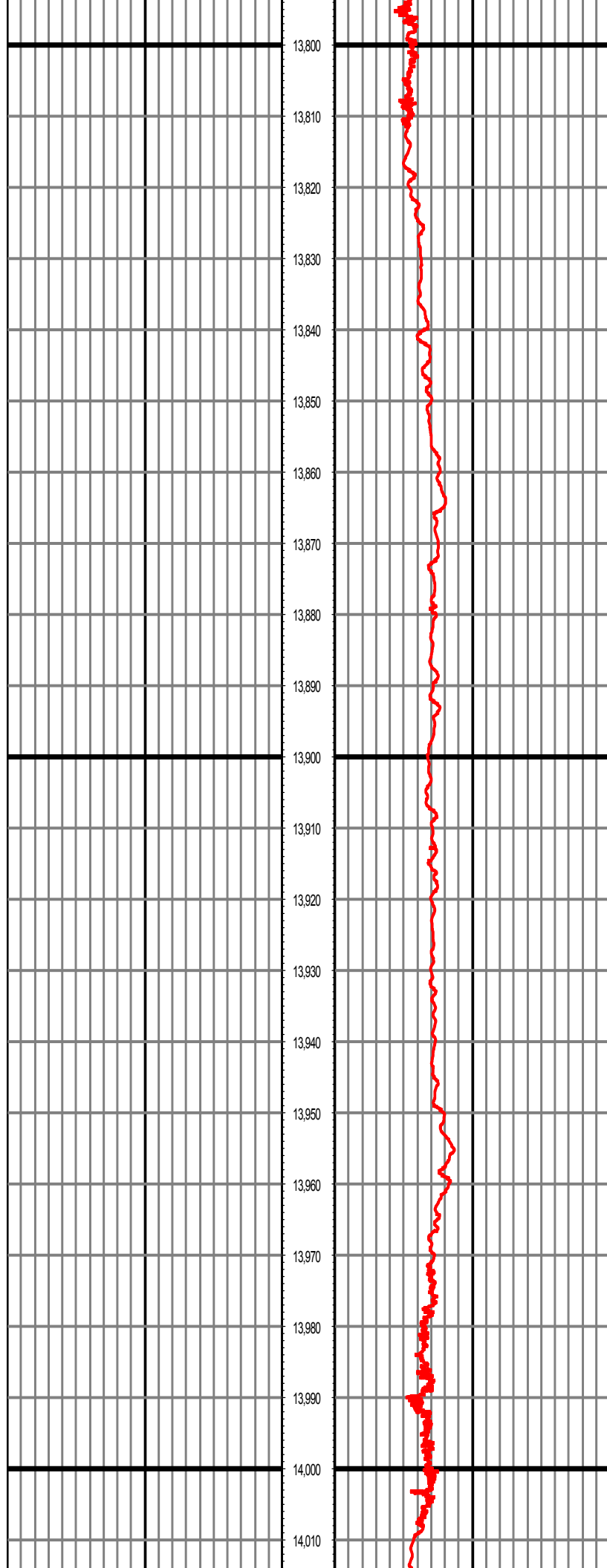
MD: 13499.00 INC: 90.50 AZ: 356.90 TVD: 7252.26 VS: 5594.56



MD: 13591.00 INC: 91.10 AZ: 358.10 TVD: 7250.97 VS: 5686.45

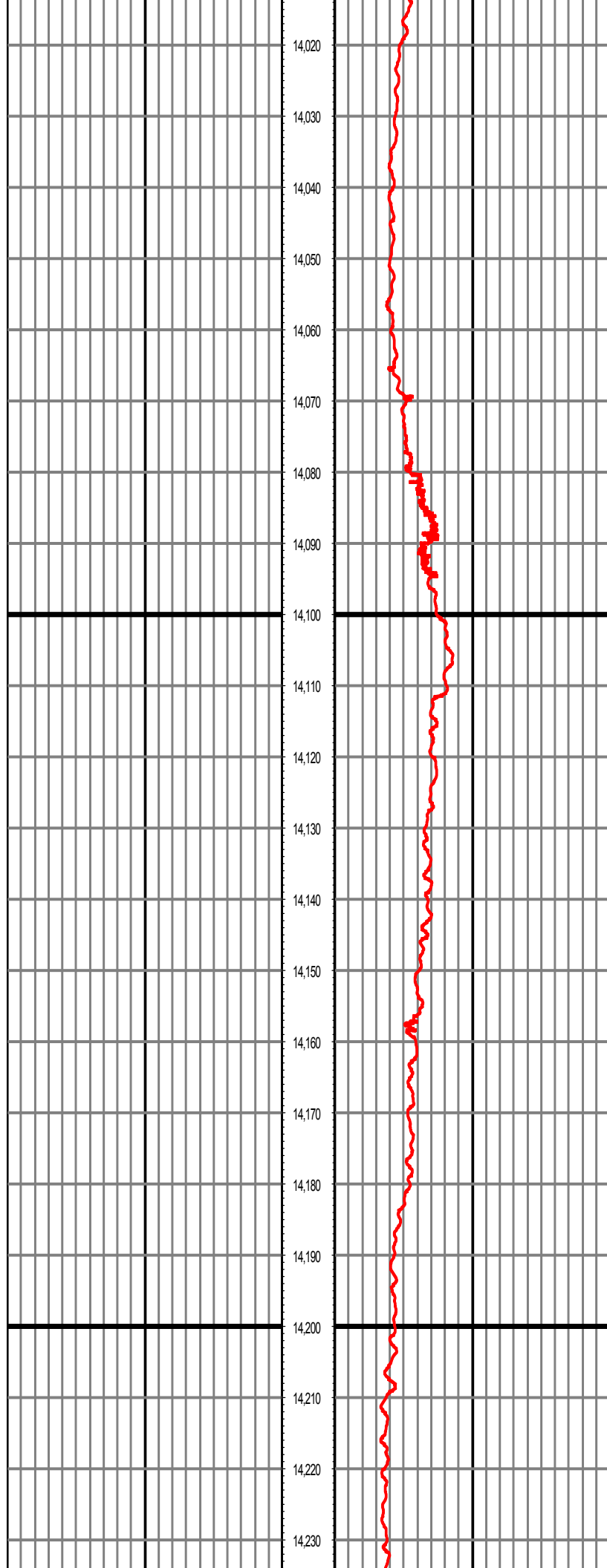
MD: 13687.00 INC: 91.20 AZ: 359.90 TVD: 7249.05 VS: 5782.40

MD: 13782.00 INC: 92.90 AZ: 0.30 TVD: 7245.65 VS: 5877.34



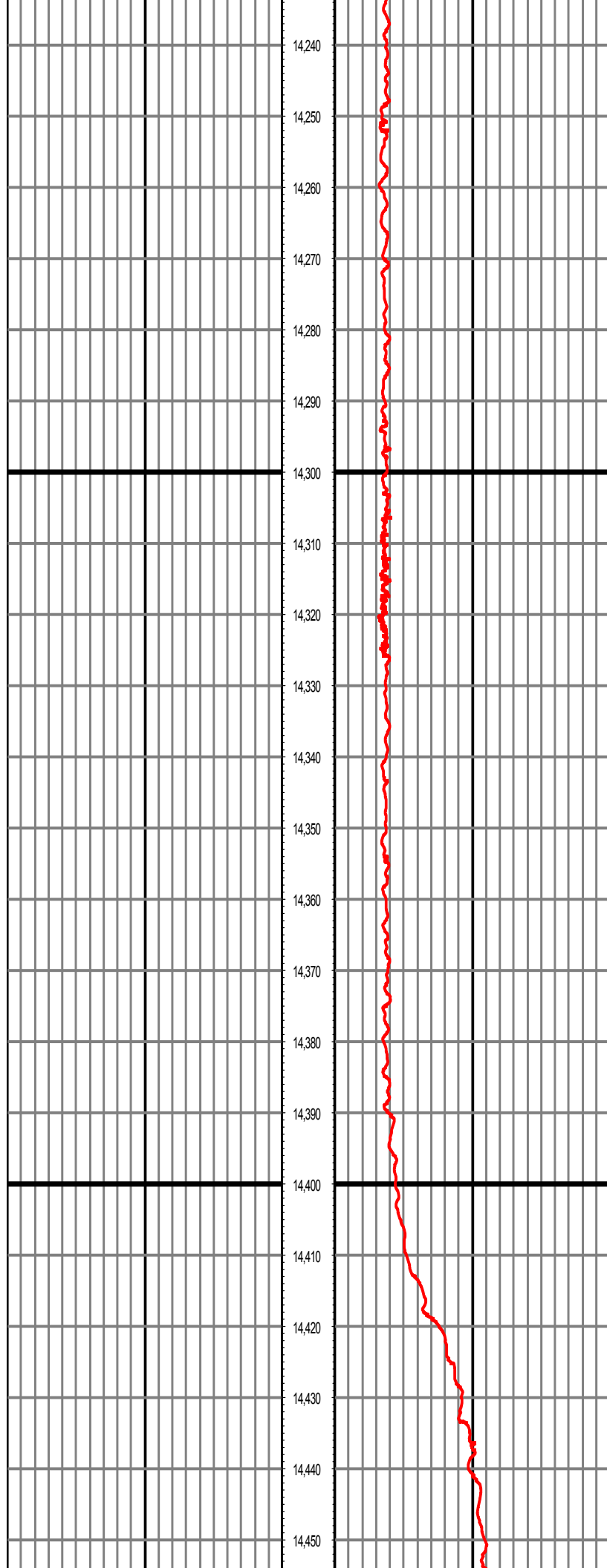
MD: 13876.00 INC: 90.40 AZ: 1.70 TVD: 7242.94 VS: 5971.28

MD: 13970.00 INC: 92.20 AZ: 2.70 TVD: 7240.81 VS: 6065.20



MD: 14062.00 INC: 89.70 AZ: 2.70 TVD: 7239.28 VS: 6157.09

MD: 14155.00 INC: 88.30 AZ: 1.90 TVD: 7240.91 VS: 6250.01



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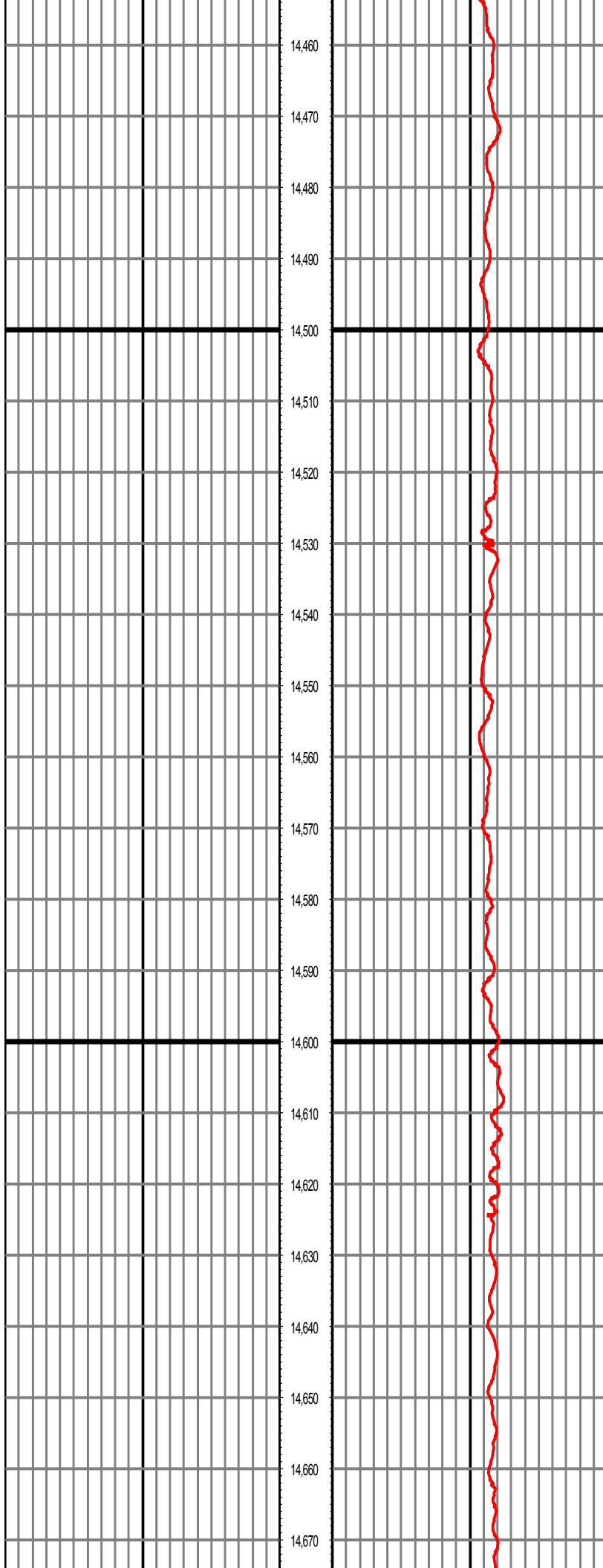
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MD: 14247.00 INC: 89.20 AZ: 1.80 TVD: 7242.91 VS: 6341.95

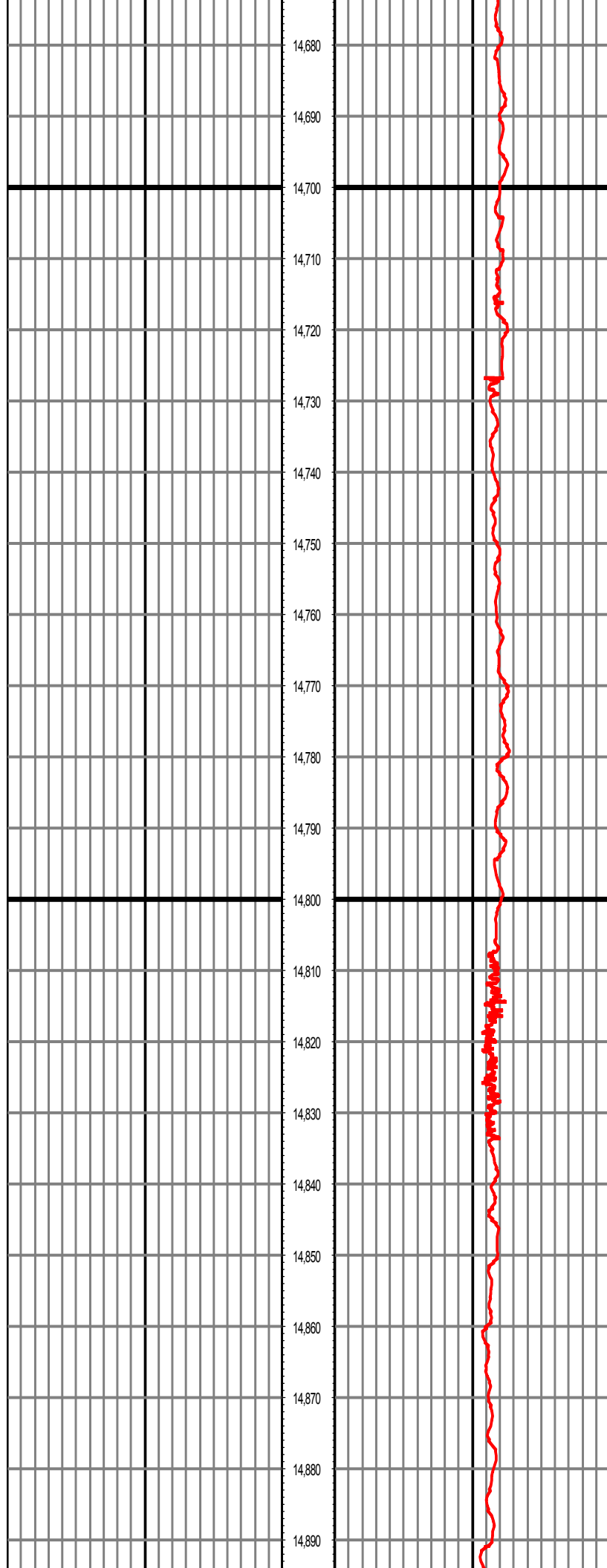
MD: 14341.00 INC: 90.50 AZ: 2.40 TVD: 7243.16 VS: 6435.90

MD: 14435.00 INC: 87.40 AZ: 1.60 TVD: 7244.88 VS: 6529.83



MD: 14530.00 INC: 88.00 AZ: 1.00 TVD: 7248.70 VS: 6624.73

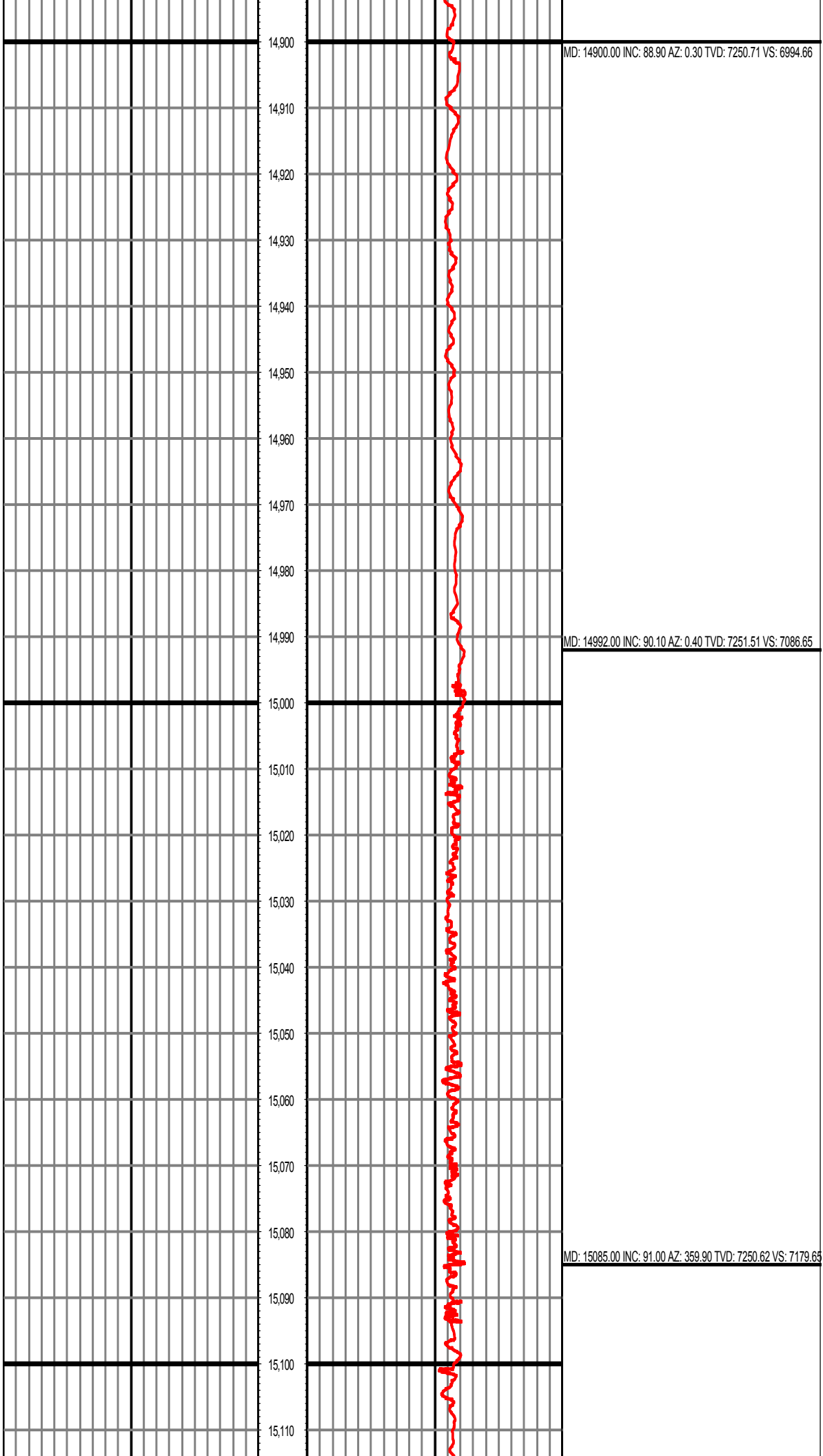
MD: 14622.00 INC: 89.10 AZ: 1.30 TVD: 7251.02 VS: 6716.69

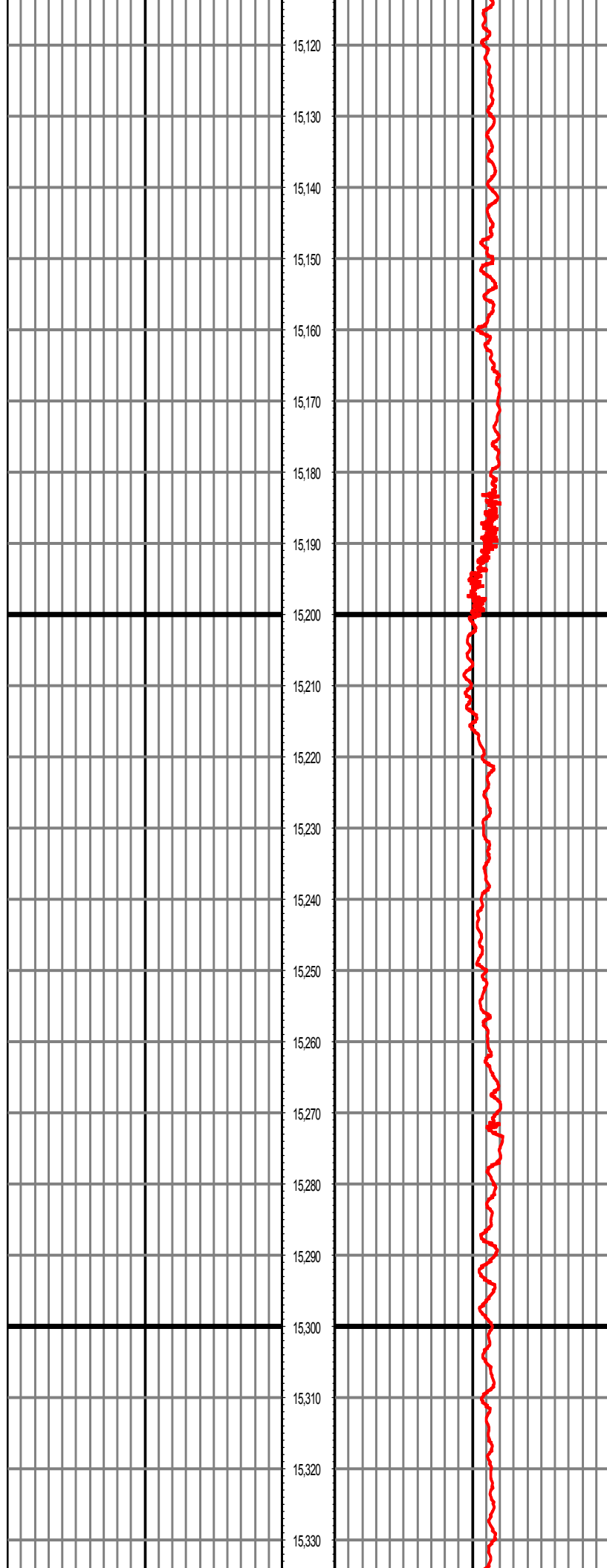


MD: 14715.00 INC: 90.10 AZ: 0.80 TVD: 7251.67 VS: 6809.68

MD: 14807.00 INC: 91.10 AZ: 0.80 TVD: 7250.71 VS: 6901.67







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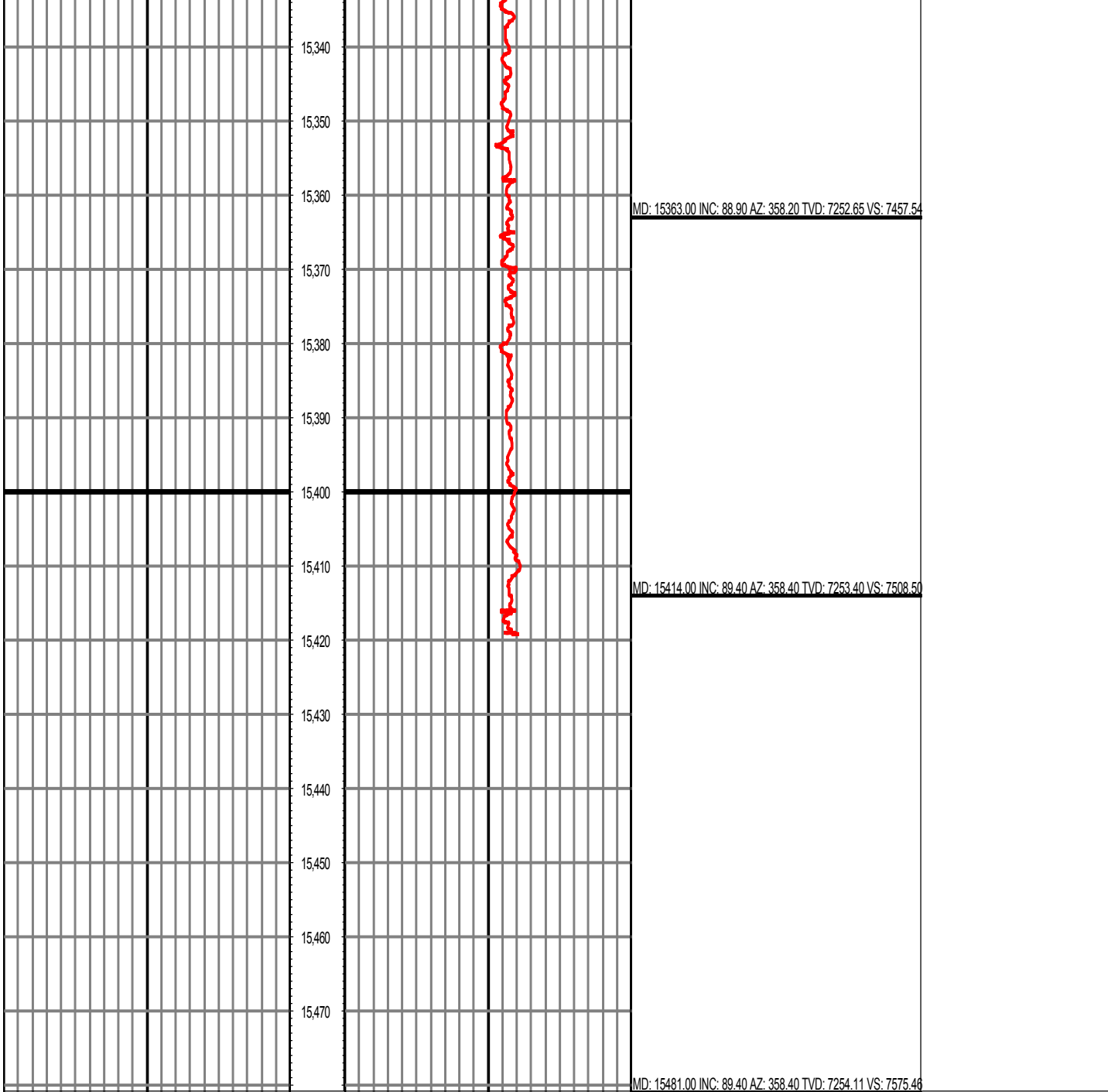
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MD: 15177.00 INC: 90.60 AZ: 359.30 TVD: 7249.33 VS: 7271.63

MD: 15271.00 INC: 88.20 AZ: 359.00 TVD: 7250.32 VS: 7365.60



0.00	GR_RM(API) on TVD	200.00	MD	0.00	GR_RM(API) on MD	200.00	Surveys (MD/INC/AZ/TVD/VS)
200.00	2	400.00	FT	200.00	2	400.00	