

**Measured Depth Log**

**5" = 100ft  
Feet**

Oil Co: **Bonanza Creek**  
 Well Name: **Pronghorn O-K-15-HNC**  
 LSD:  
 State/Prov: **Colorado**  
 Country: **U.S.A.**  
 Job #: **2015-012-25**

Oil Company: **Bonanza Creek**  
 Well Name: **Pronghorn O-K-15-HNC**  
 LSD:  
 State/Prov: **Colorado**  
 Country: **U.S.A.**  
 Job #: **2015-012-25**  
 Drilling Co: **Cade**  
 Rig #: **25**  
 Co Rep 1:  
 Co Rep 2:  
 Geologist 1:  
 Geologist 2:  
 DD 1: **Jason Banks**  
 DD 2: **Mark**  
 MWD 1: **David Keele**  
 MWD 2: **Troy**  
 MWD Kit: **11**

Casing Depths		MD		Date		KB: 0	
Surface:	Intermediate:	Start:	End:	3-2-15	GL: 0	DF: 0	
Run #	Hole Size (in)	Gamma Offset	Survey Offset	Depth Start	Depth End	Date Start	Date End
01	08 3/4	38.00	43.00	0.00	5878.50	Mar 02, 15	Mar 05, 15
02	8 3/4	37.00	42.00	5878.50	6764.10	Mar 05, 15	Mar 06, 15
03	6 1/8	40.00	45.00	6764.10	10427.00	Mar 06, 15	Mar 09, 15
04	6 1/8	106.00	107.00	10427.00	10943.10	Mar 09, 15	Mar 09, 15

Total Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

**Comments:**

Printed: Mar 09, 2015 08:22

Client: **Bonanza Creek**

Well Name: **Pronghorn O-K-15-HNC**

API/UWI: \_\_\_\_\_

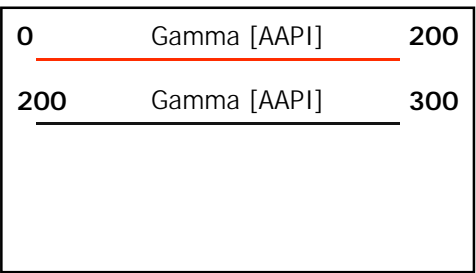
Well Lic: \_\_\_\_\_

Surface LSD: \_\_\_\_\_

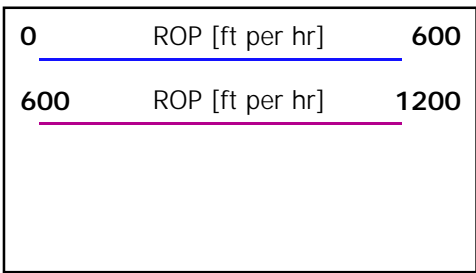
State/Prov: **Colorado** Job #: **2015-012-25**

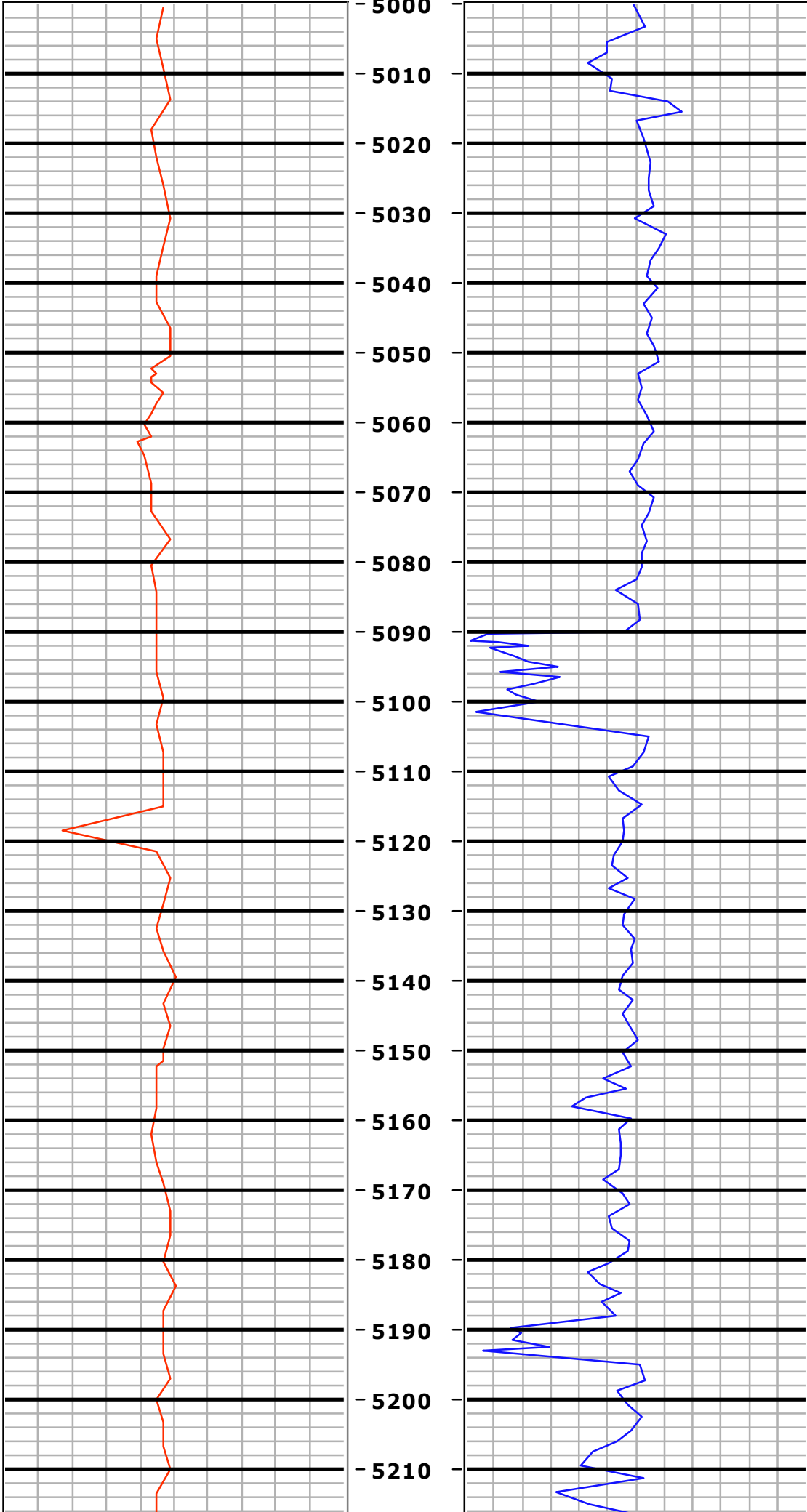
Country: **U.S.A.** MWD Kit: **11**

KB: 0  
 GL: 0  
 DF: 0



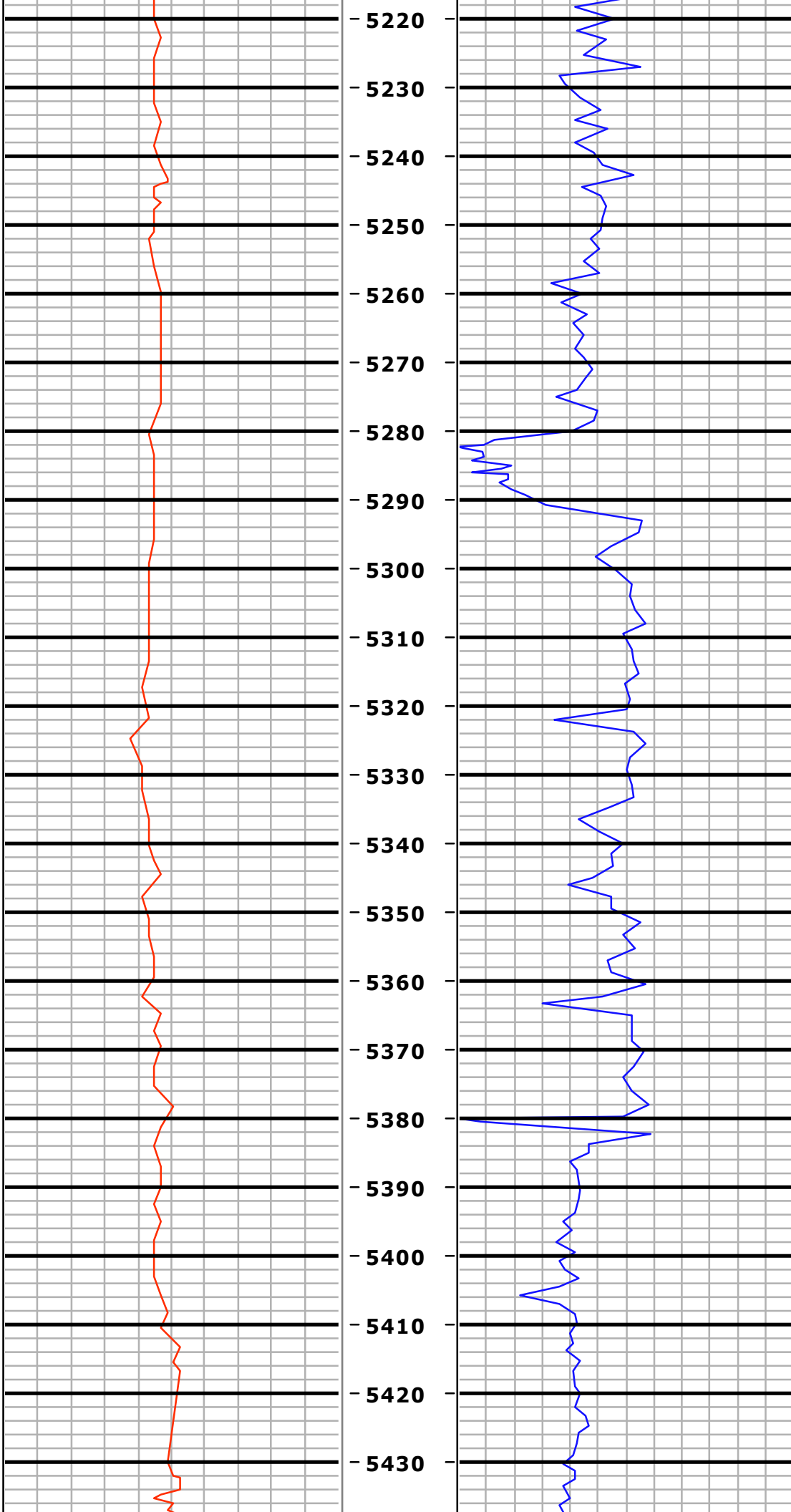
MD  
5":100'  
Feet





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AZM=101.4 TVD=4868.2

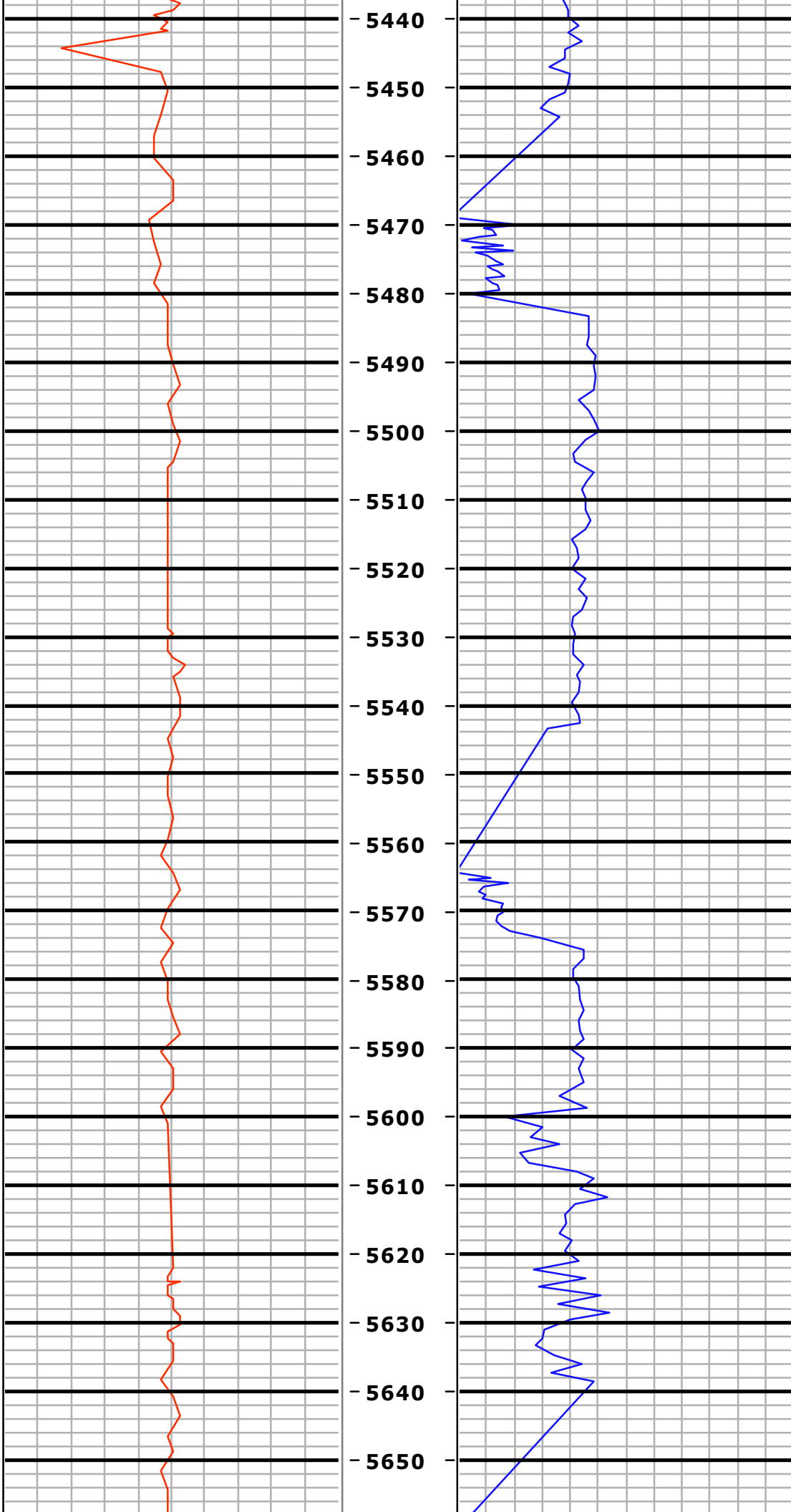
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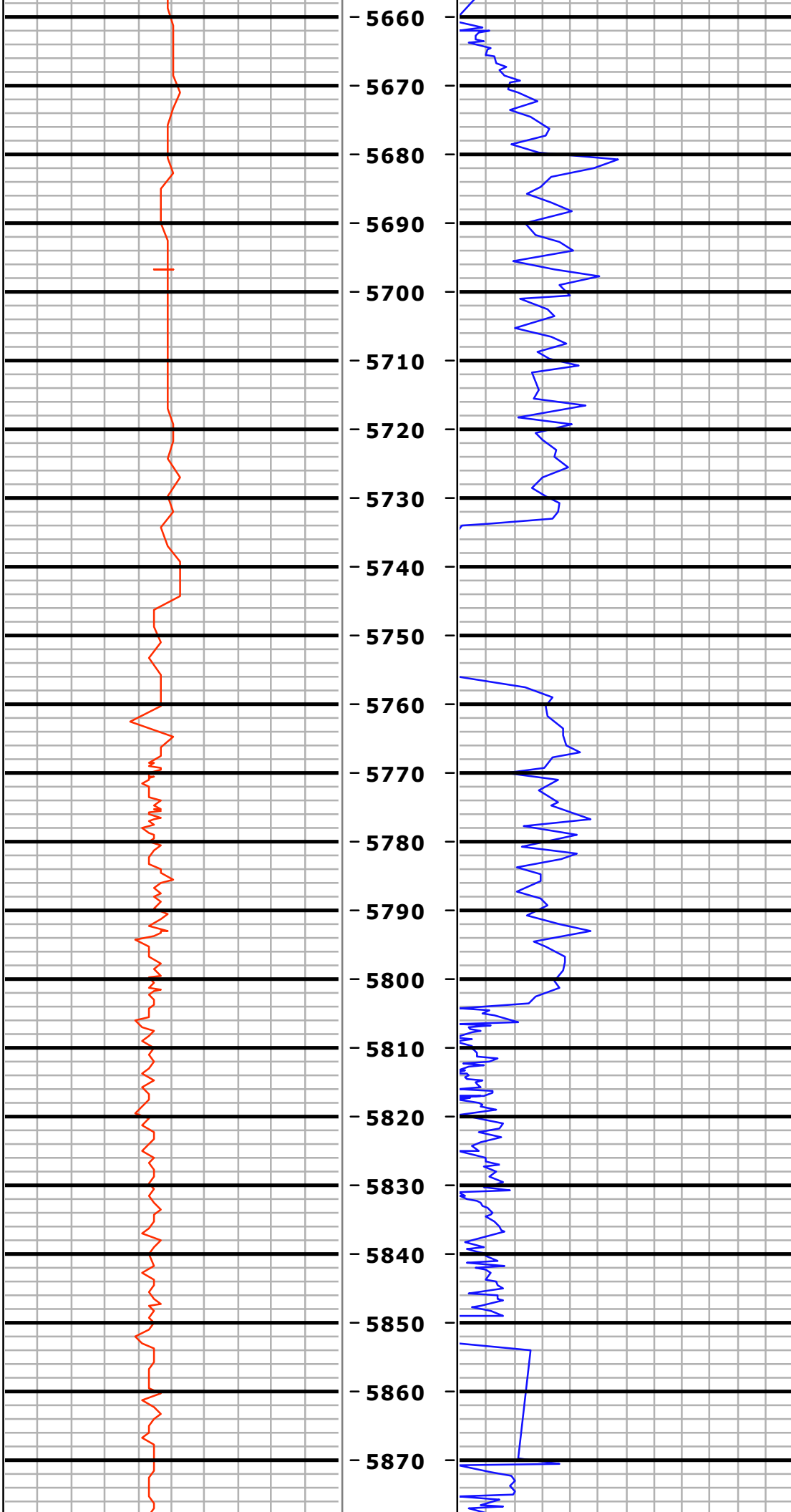
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AZM=97.1 TVD=5150.4

MD=5428.0 INC=6.9  
AZM=88.9 TVD=5244.7



MD=5524.0 INC=4.3  
AZM=92.1 TVD=5340.2

MD=5620.0 INC=2.2  
AZM=112.0 TVD=5436.1

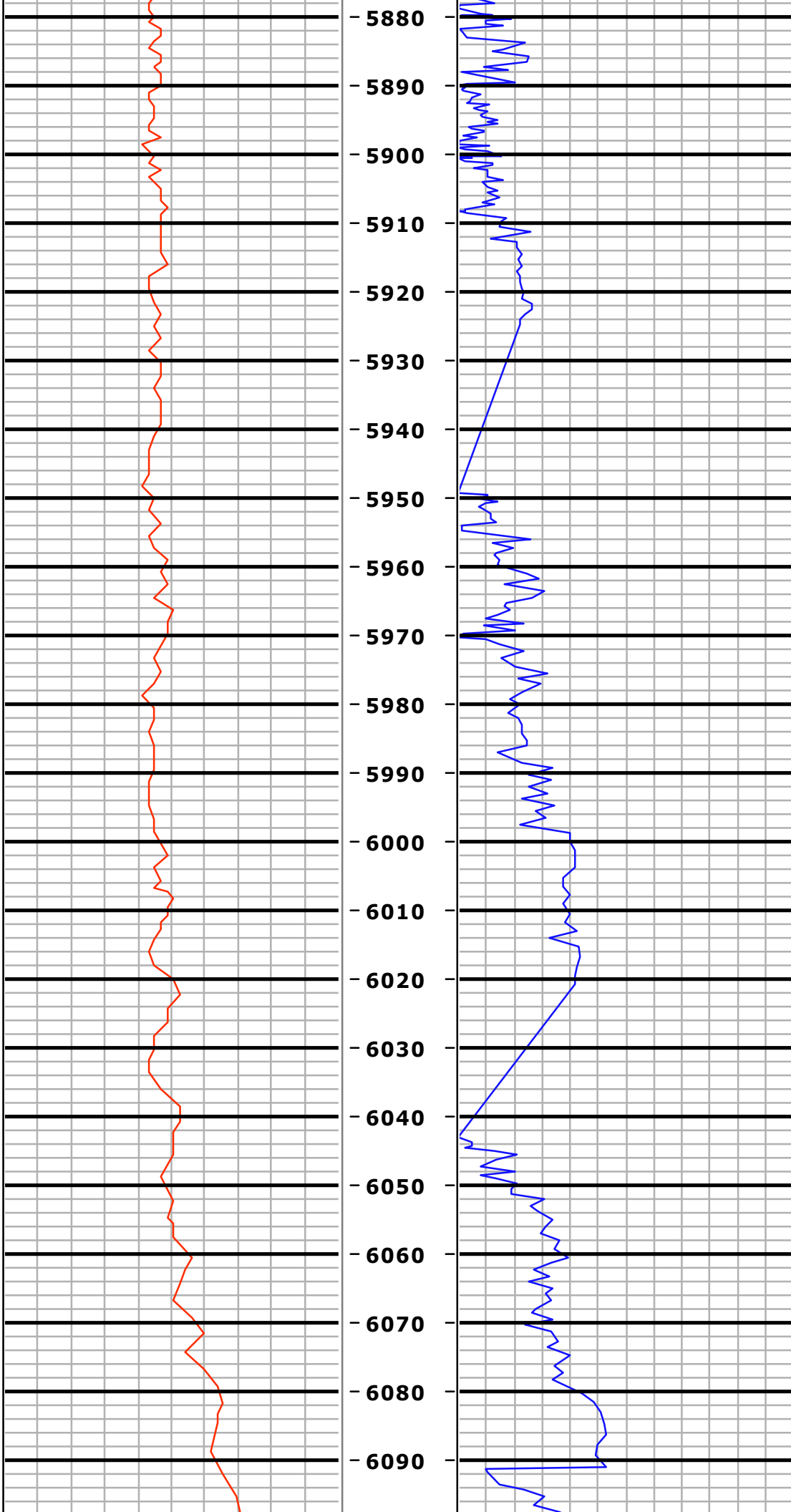


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MD=5810.0 INC=1.4  
AZM=14.3 TVD=5626.0



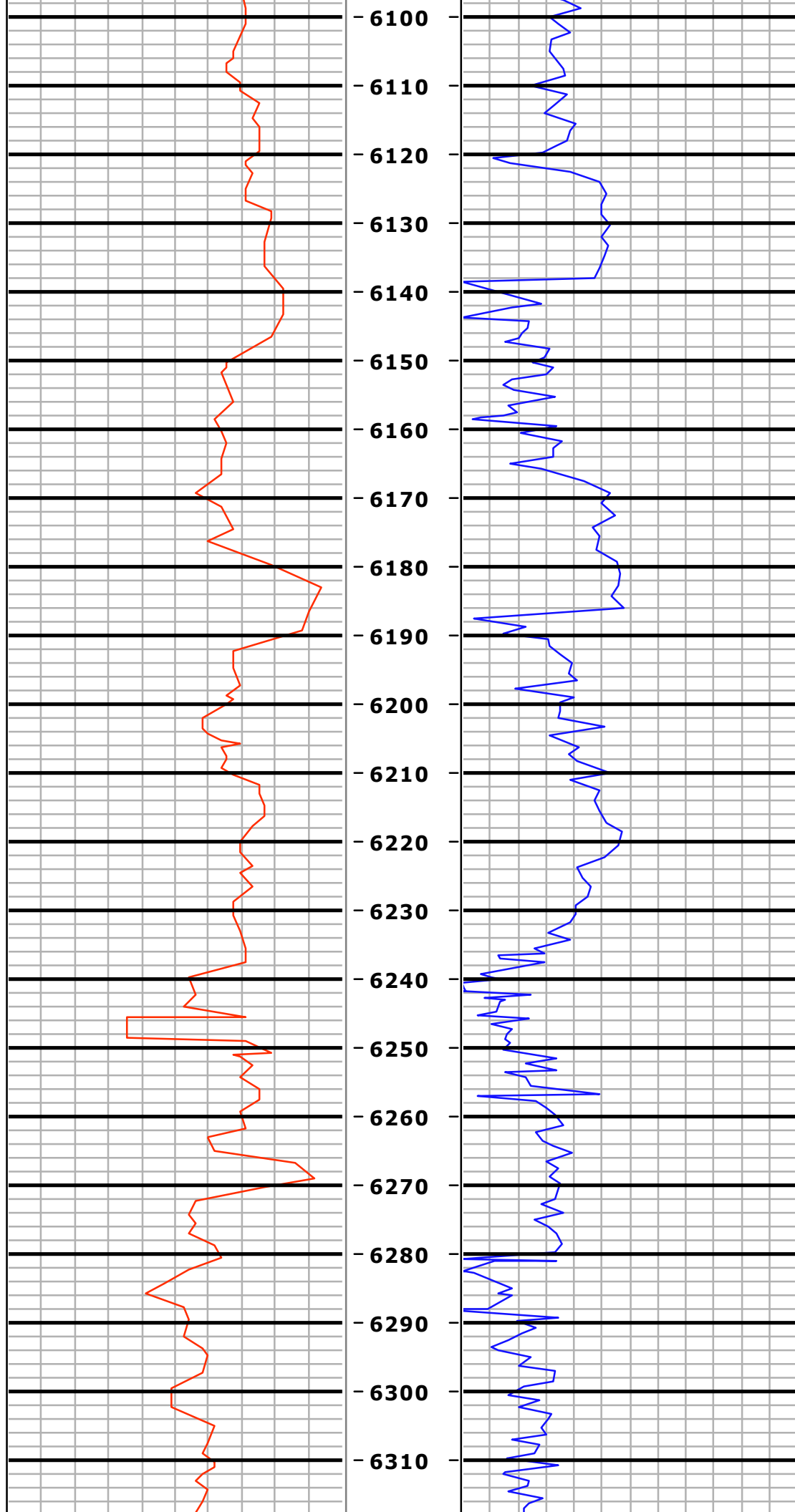
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MD=6049.0 INC=25.6  
AZM=8.9 TVD=5857.6

MD=6096.0 INC=32.5  
AZM=7.7 TVD=5900.7

AZM=7.7 TVD=5898.7



6100

6110

6120

6130

6140

6150

6160

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6300

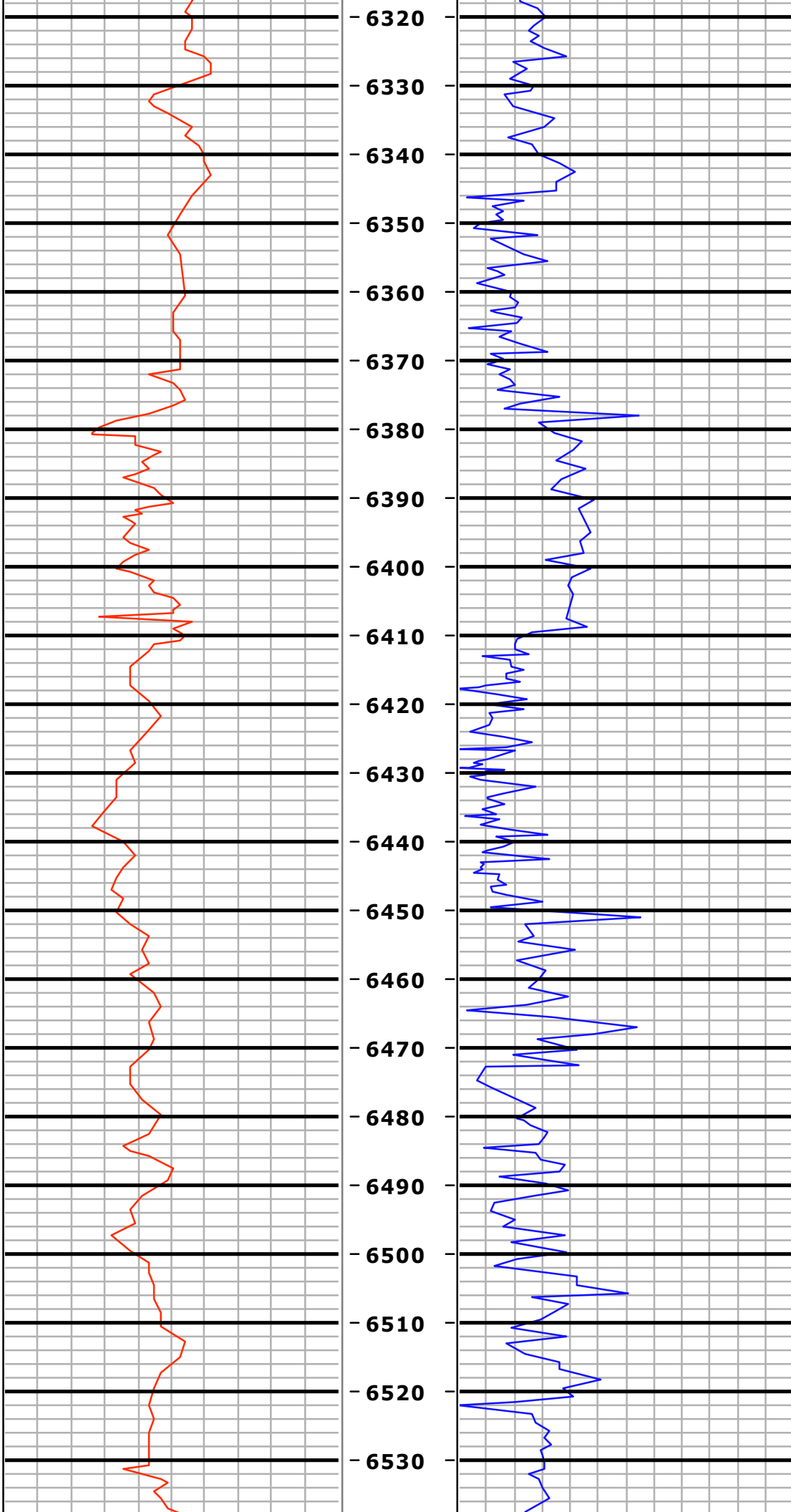
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AZM=355.4 TVD=5973.1

MD=6239.0 INC=47.3  
AZM=353.8 TVD=6007.0

MD=6287.0 INC=52.6  
AZM=354.0 TVD=6037.9



6320

6330

6340

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6500

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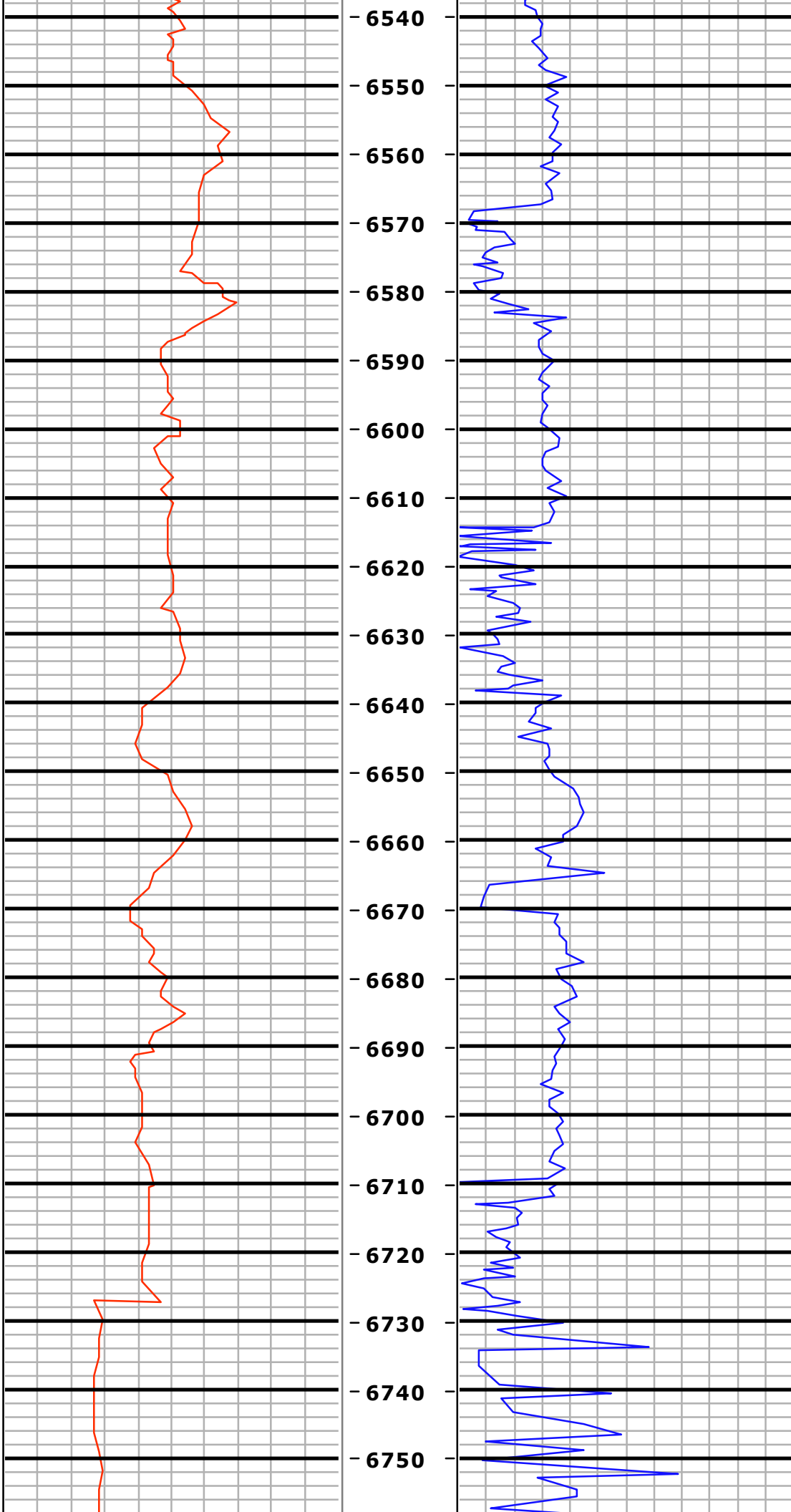
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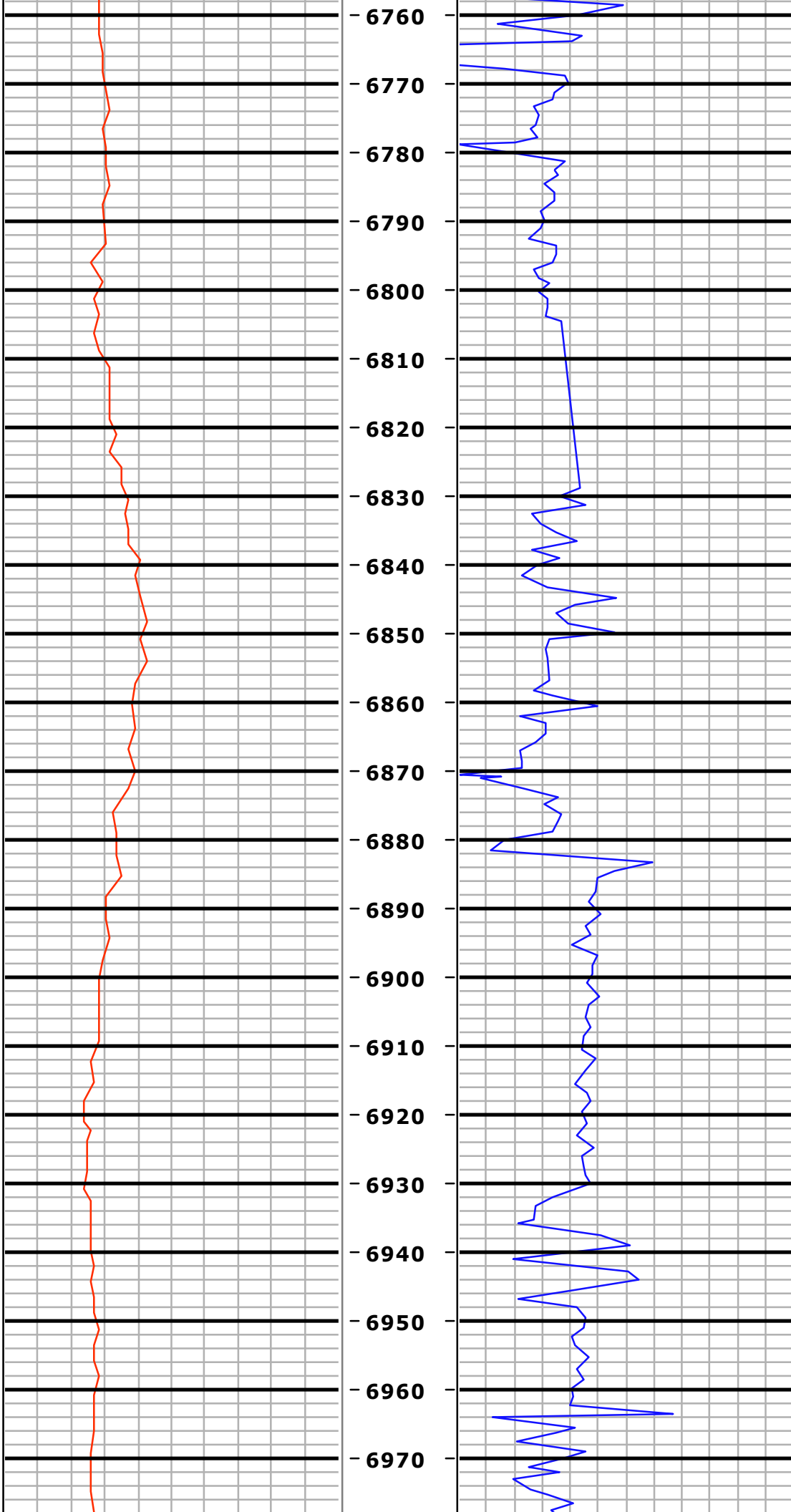


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AZM=1.4 TVD=6155.8

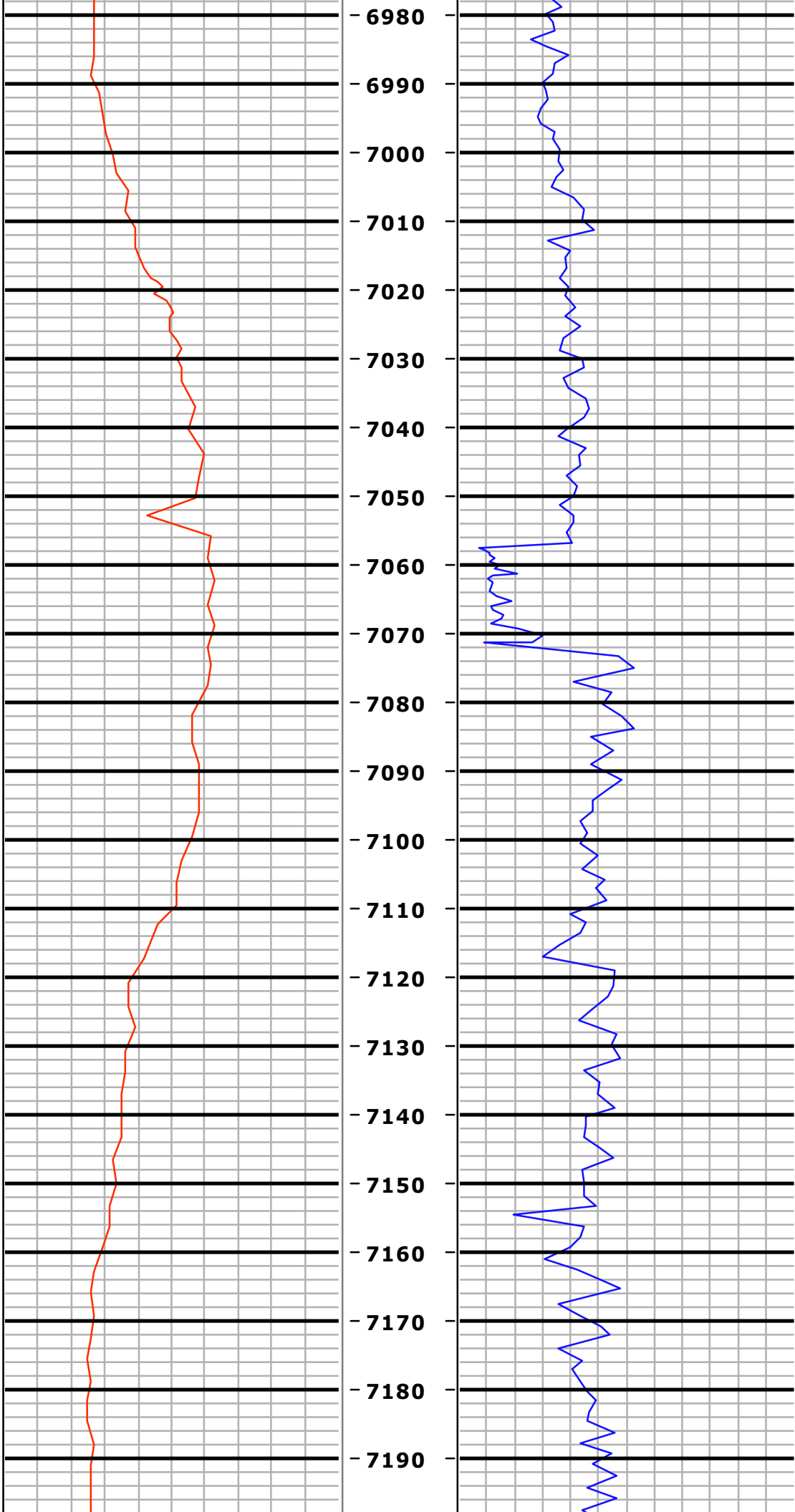
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AZM=2.5 TVD=6162.8

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MD=6919.0 INC=89.8  
AZM=2.1 TVD=6165.8

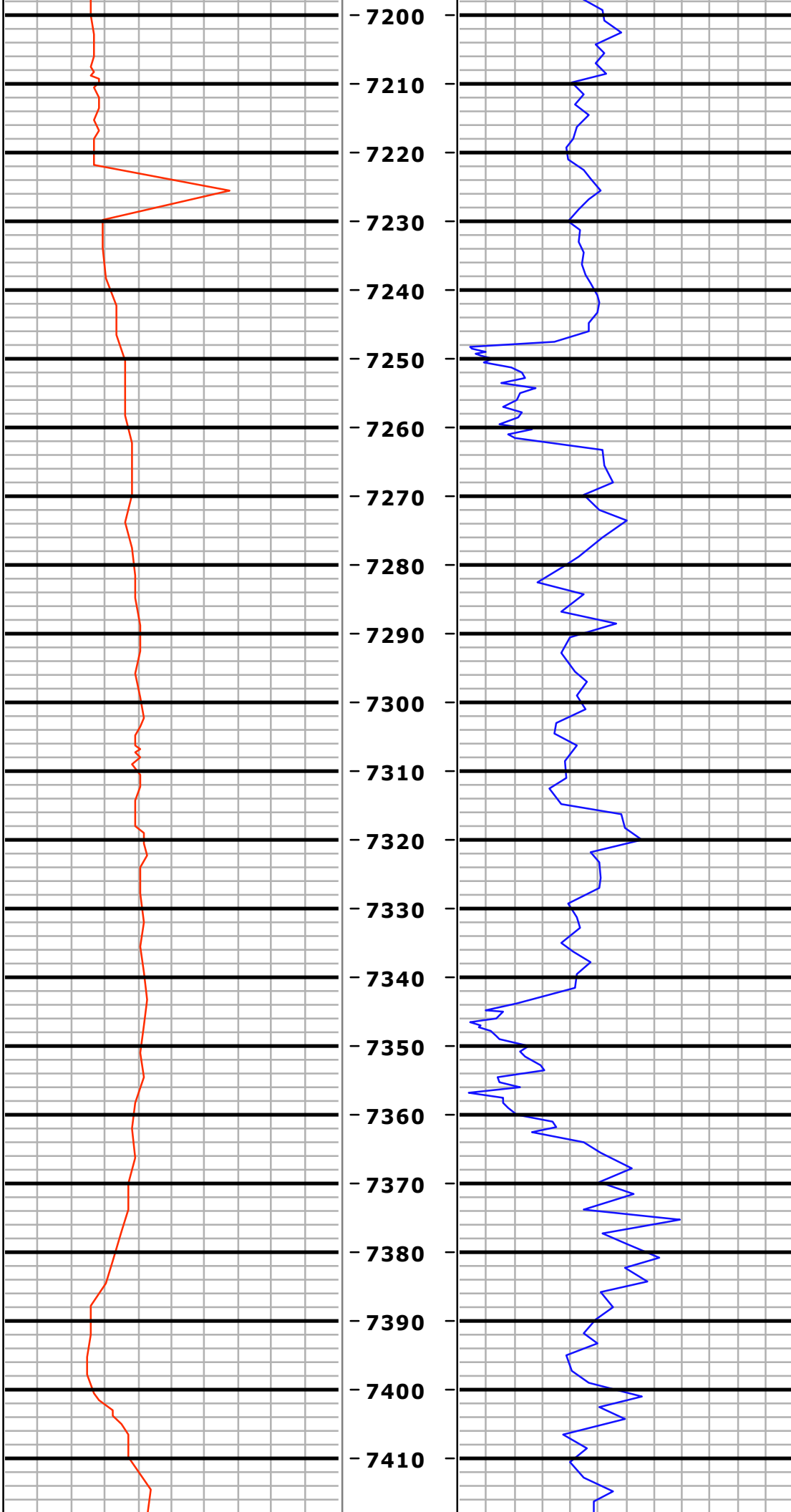


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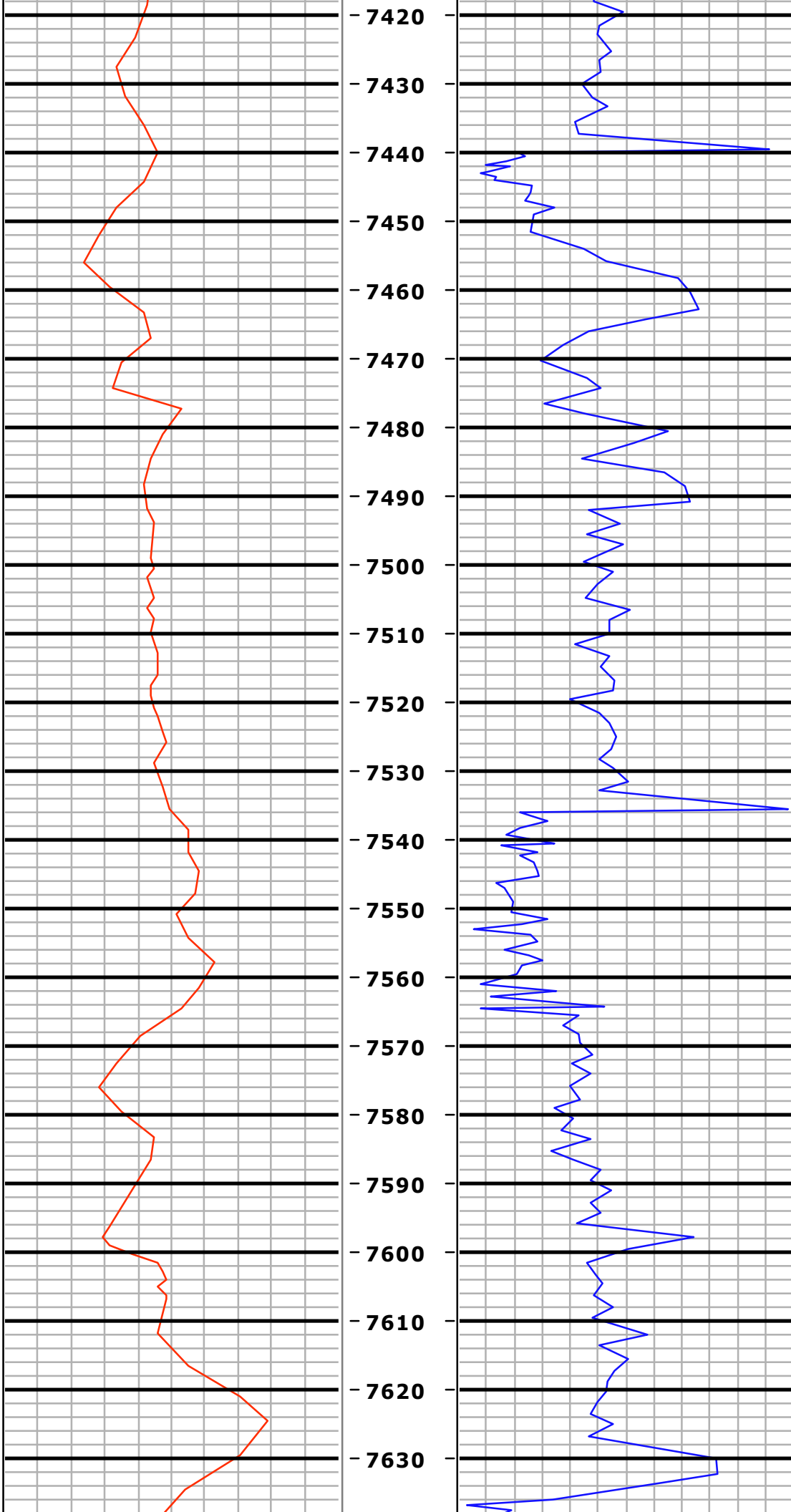
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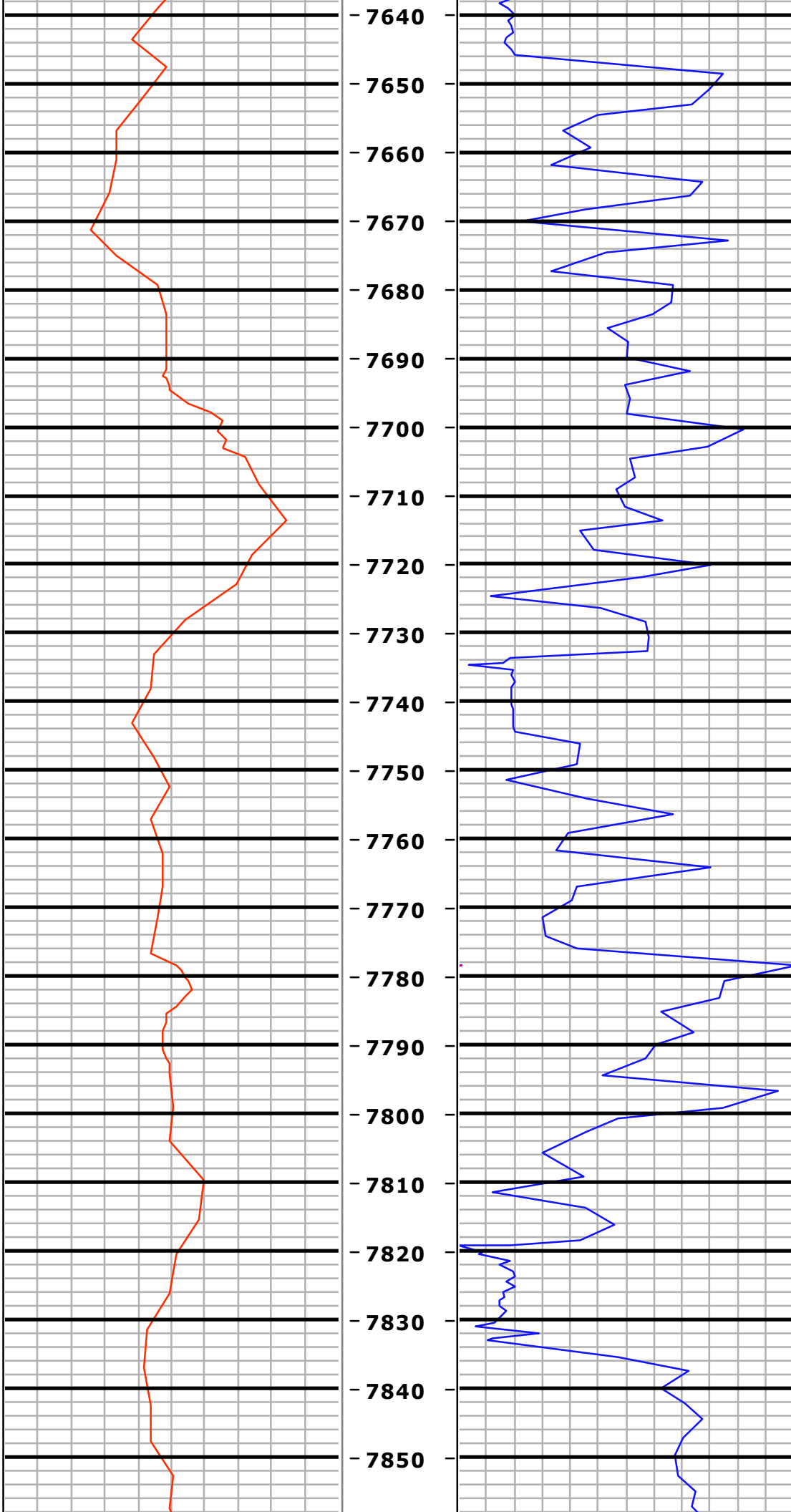
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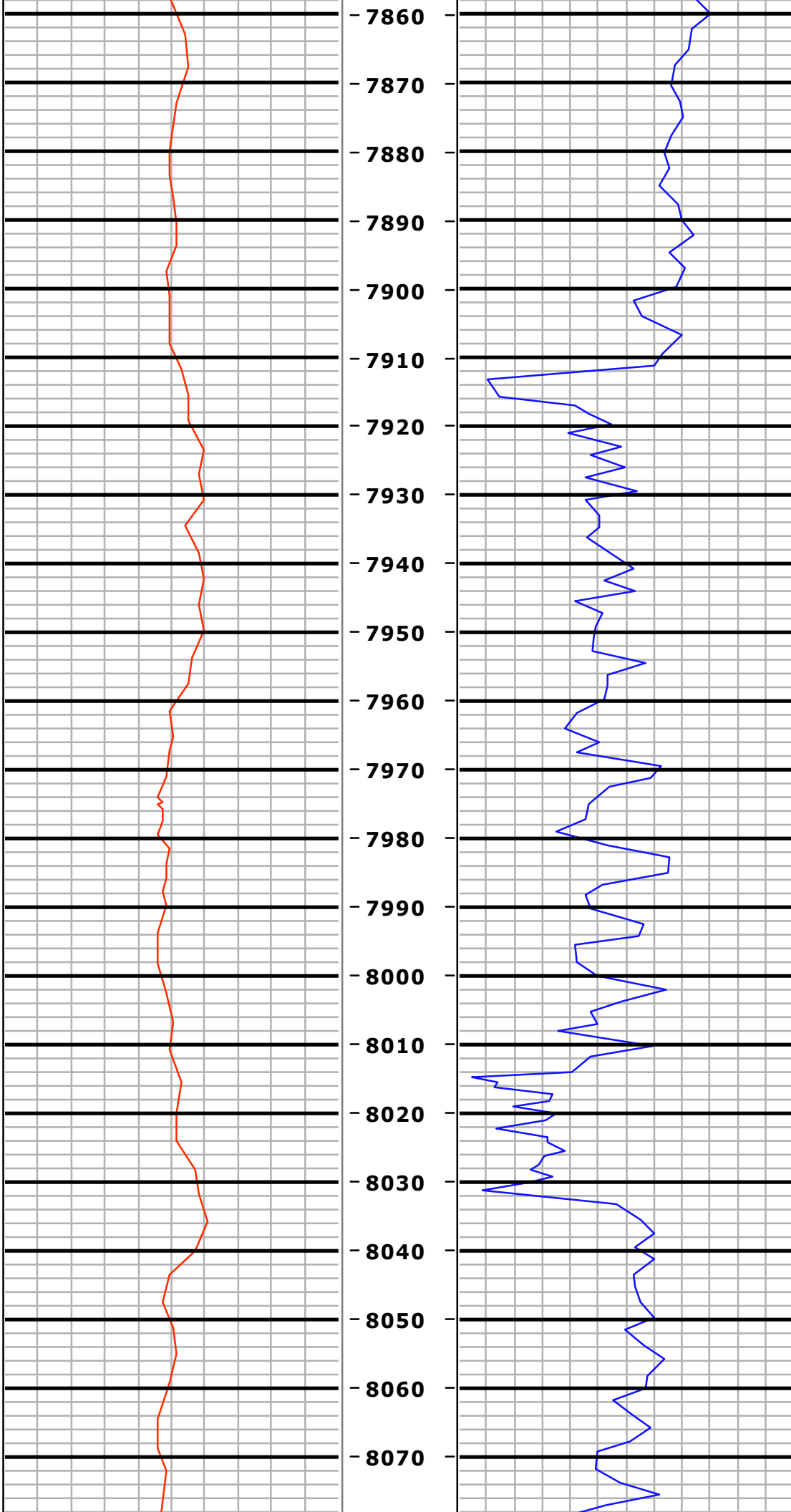
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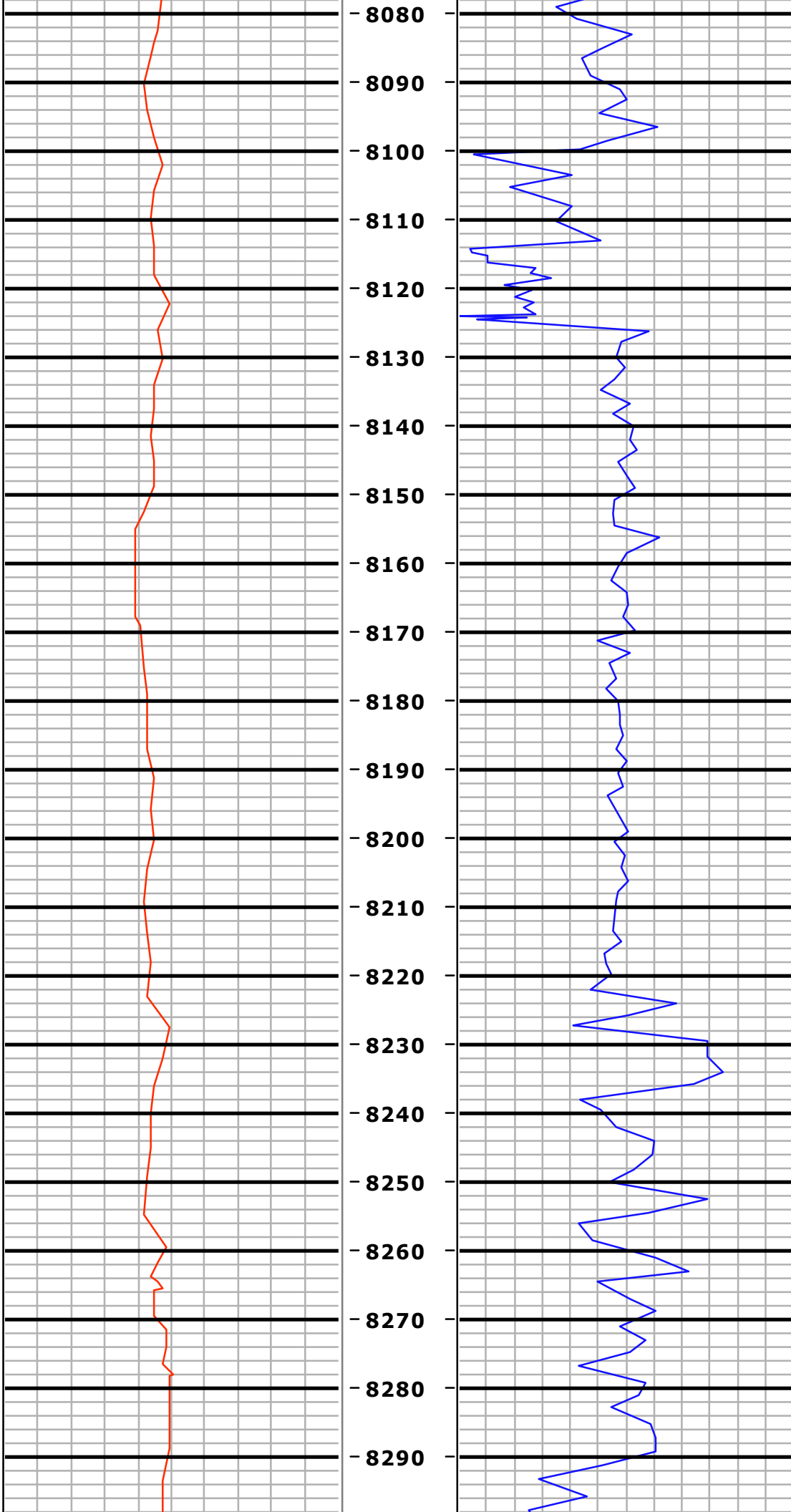
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AZM=358.9 TVD=6175.2



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AZM=358.6 TVD=6175.7

MD=7962.0 INC=89.4  
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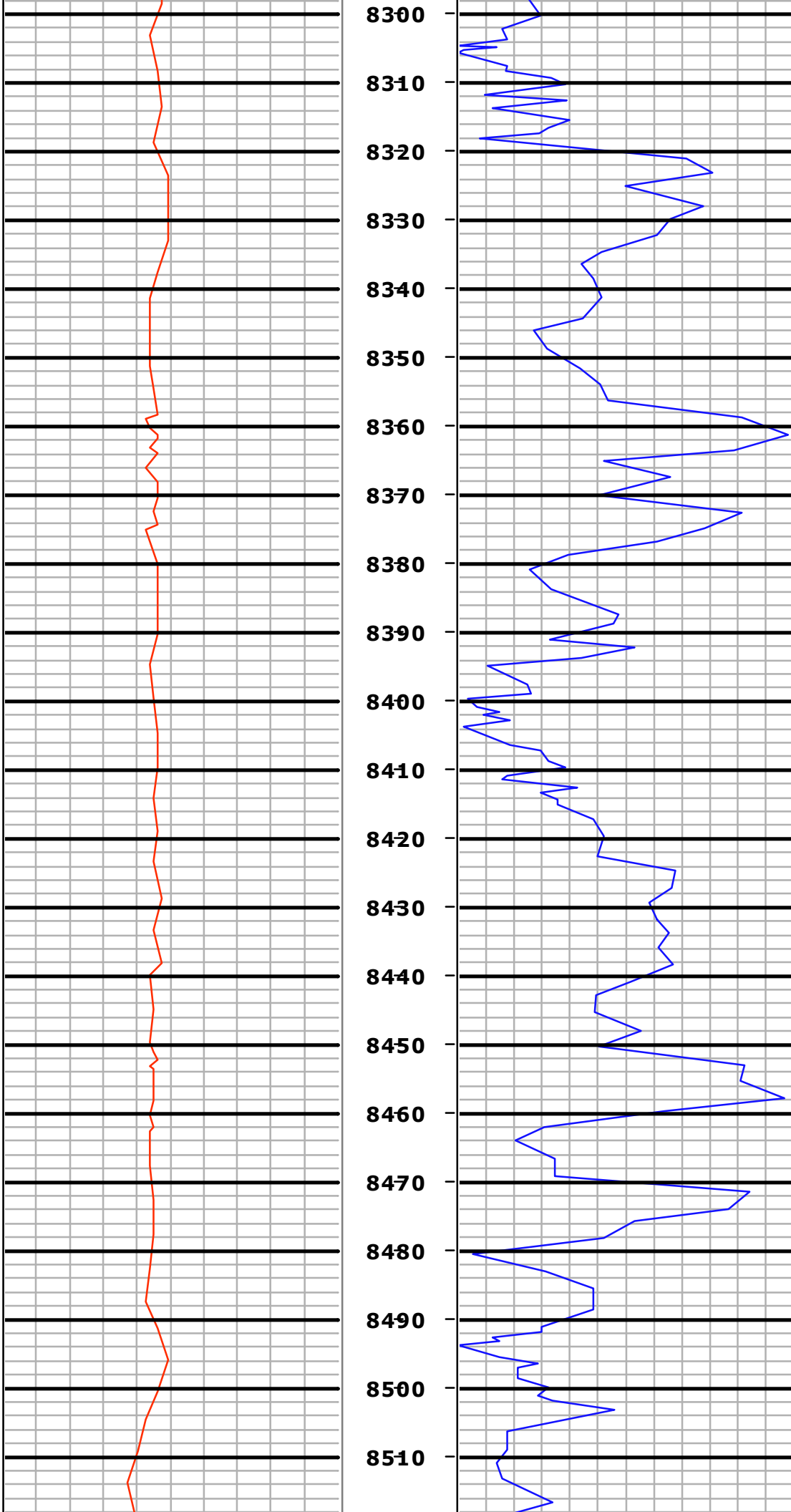
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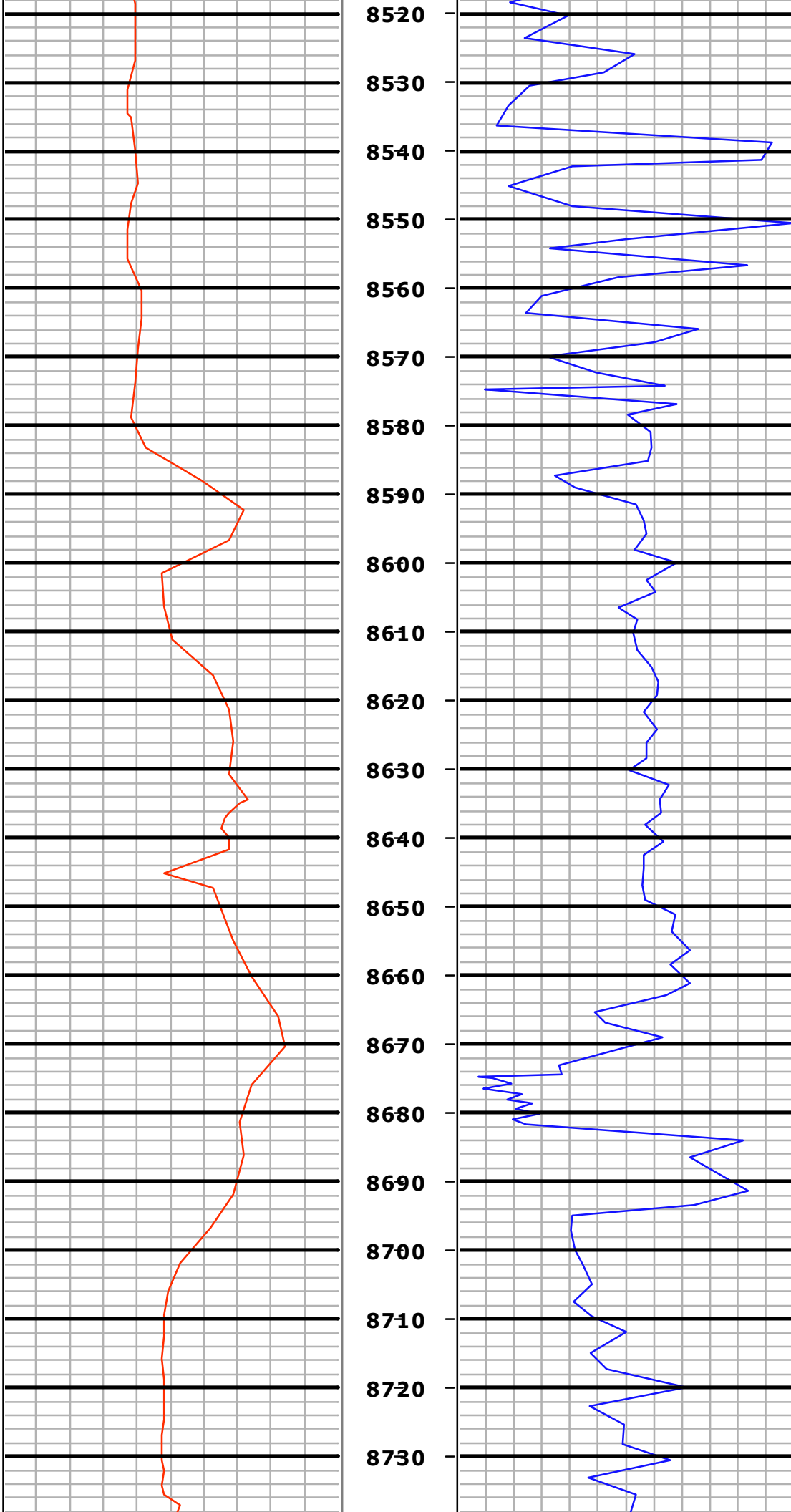
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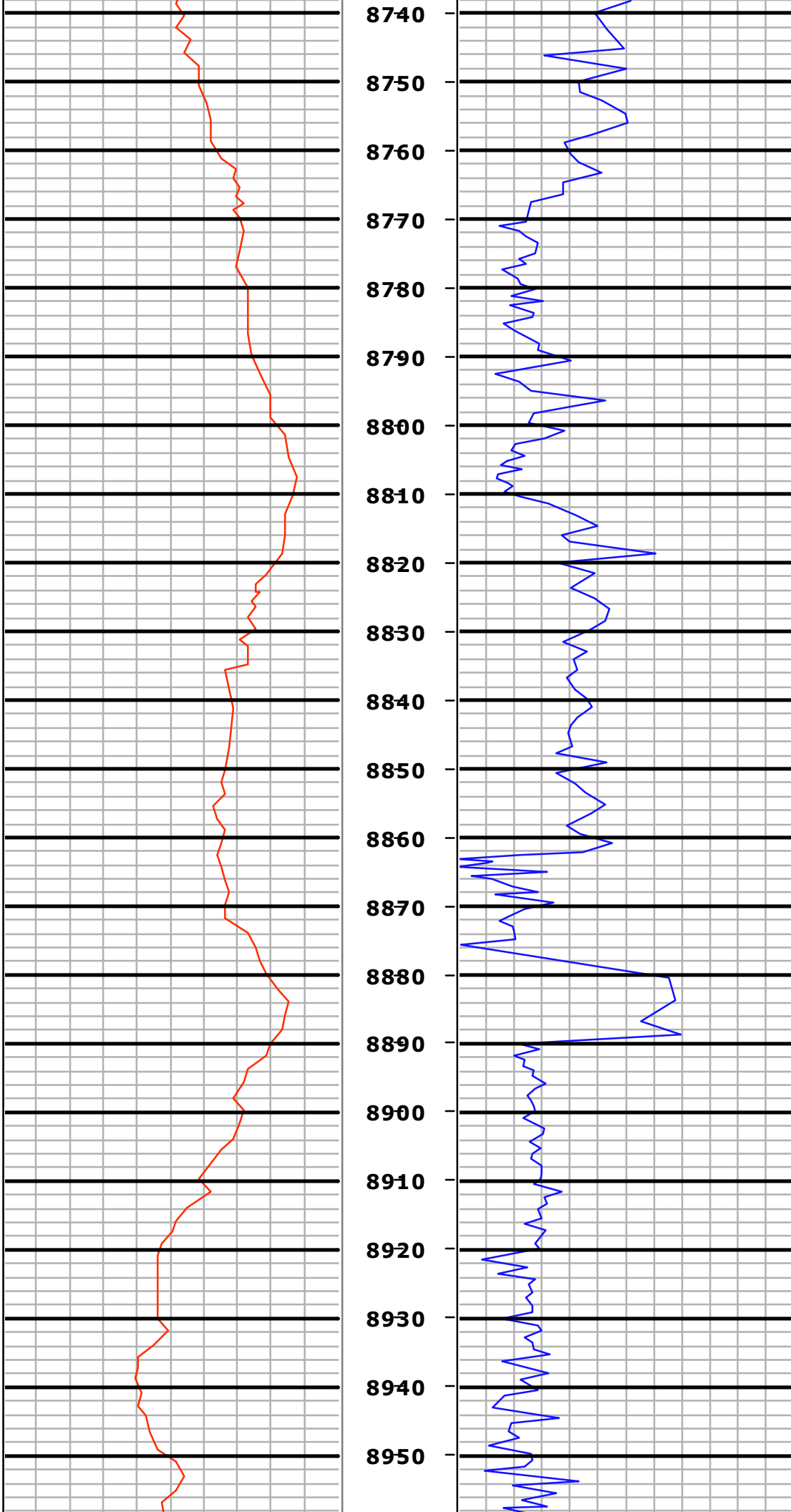
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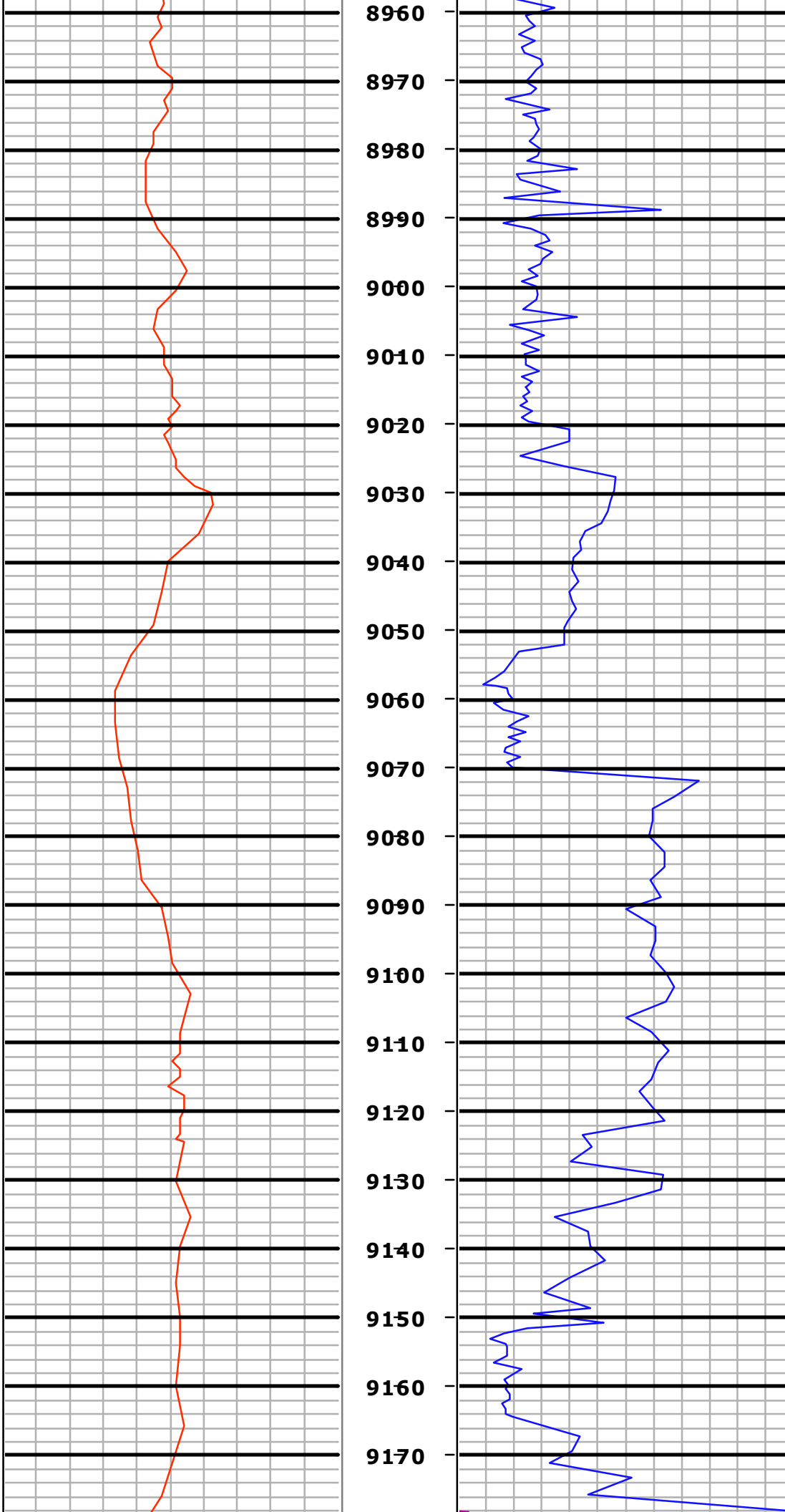
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AZM=1.3 TVD=6169.7

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AZM=1.5 TVD=6169.8



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AZM=1.1 TVD=6169.0

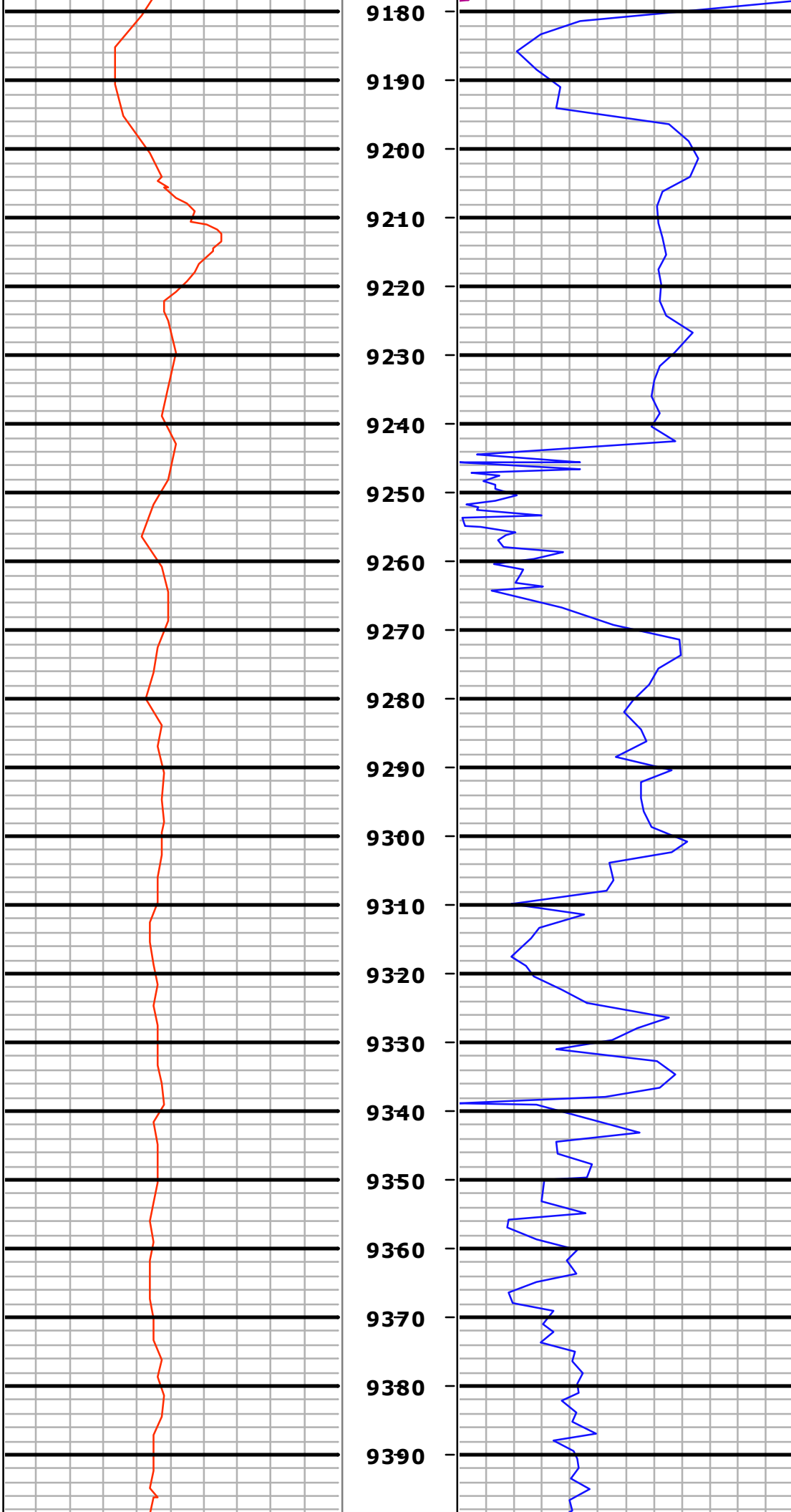
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AZM=0.0 TVD=6172.3

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AZM=0.3 TVD=6174.7

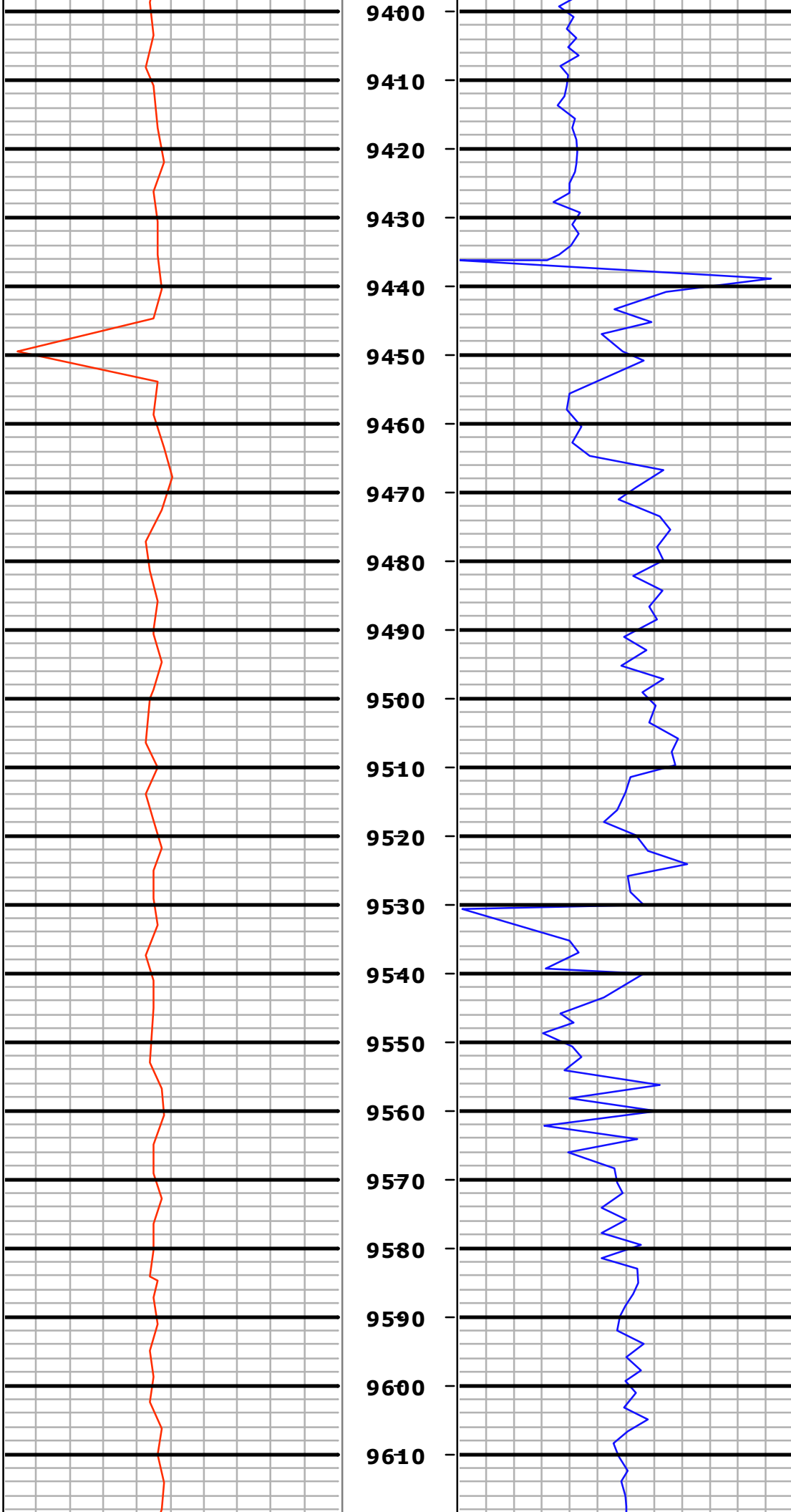


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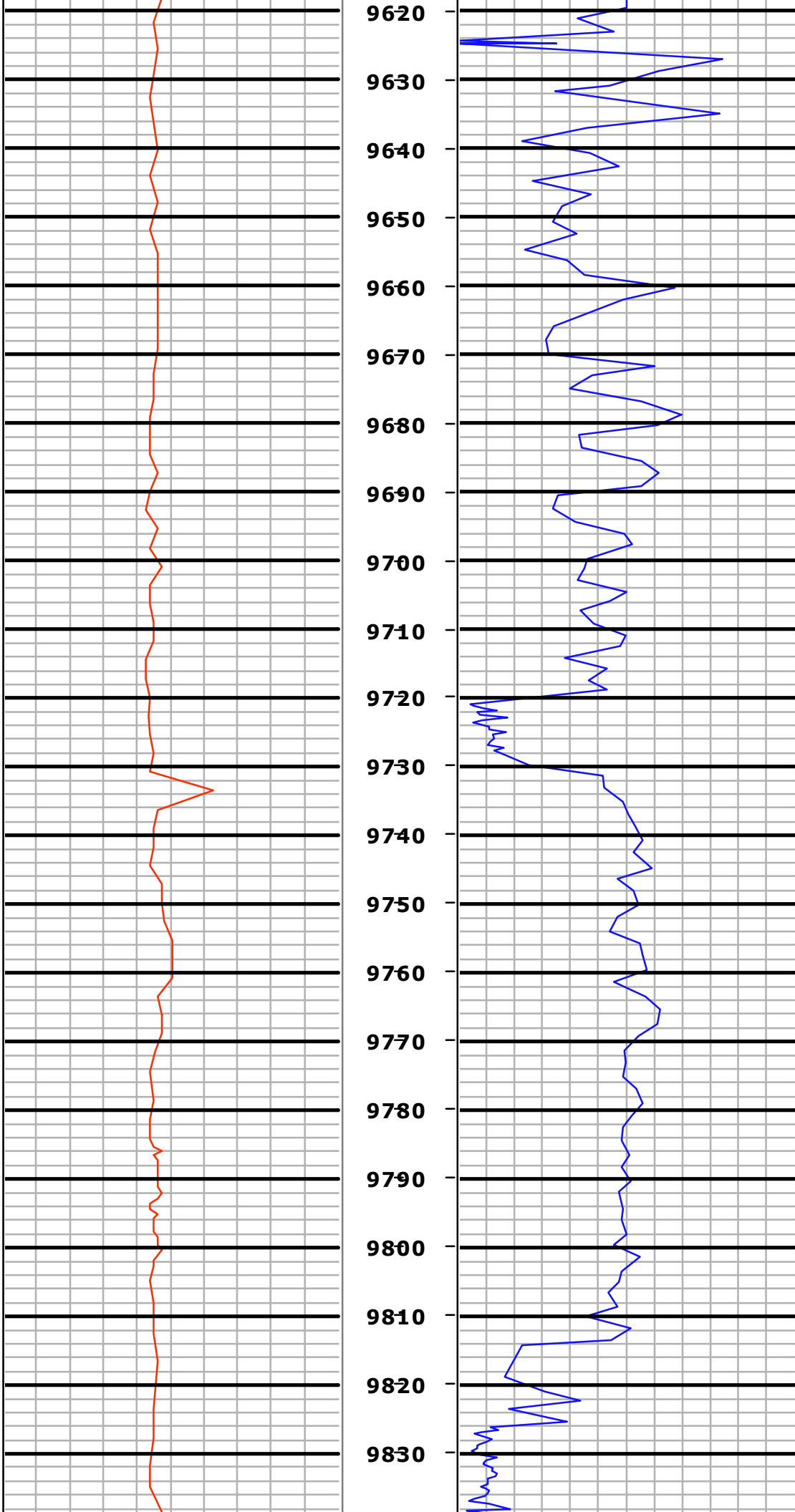
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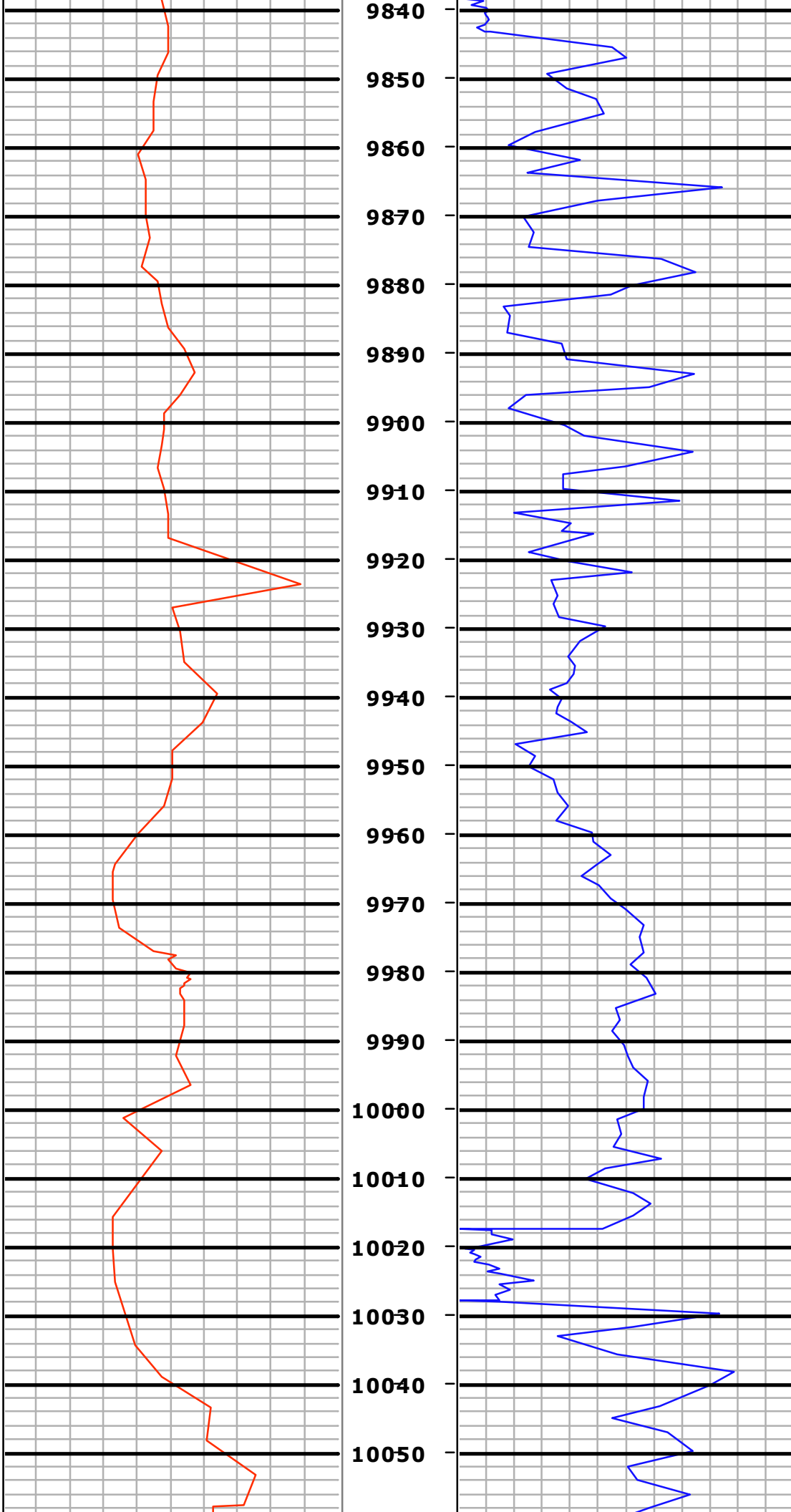
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AZM=2.0 TVD=6174.1

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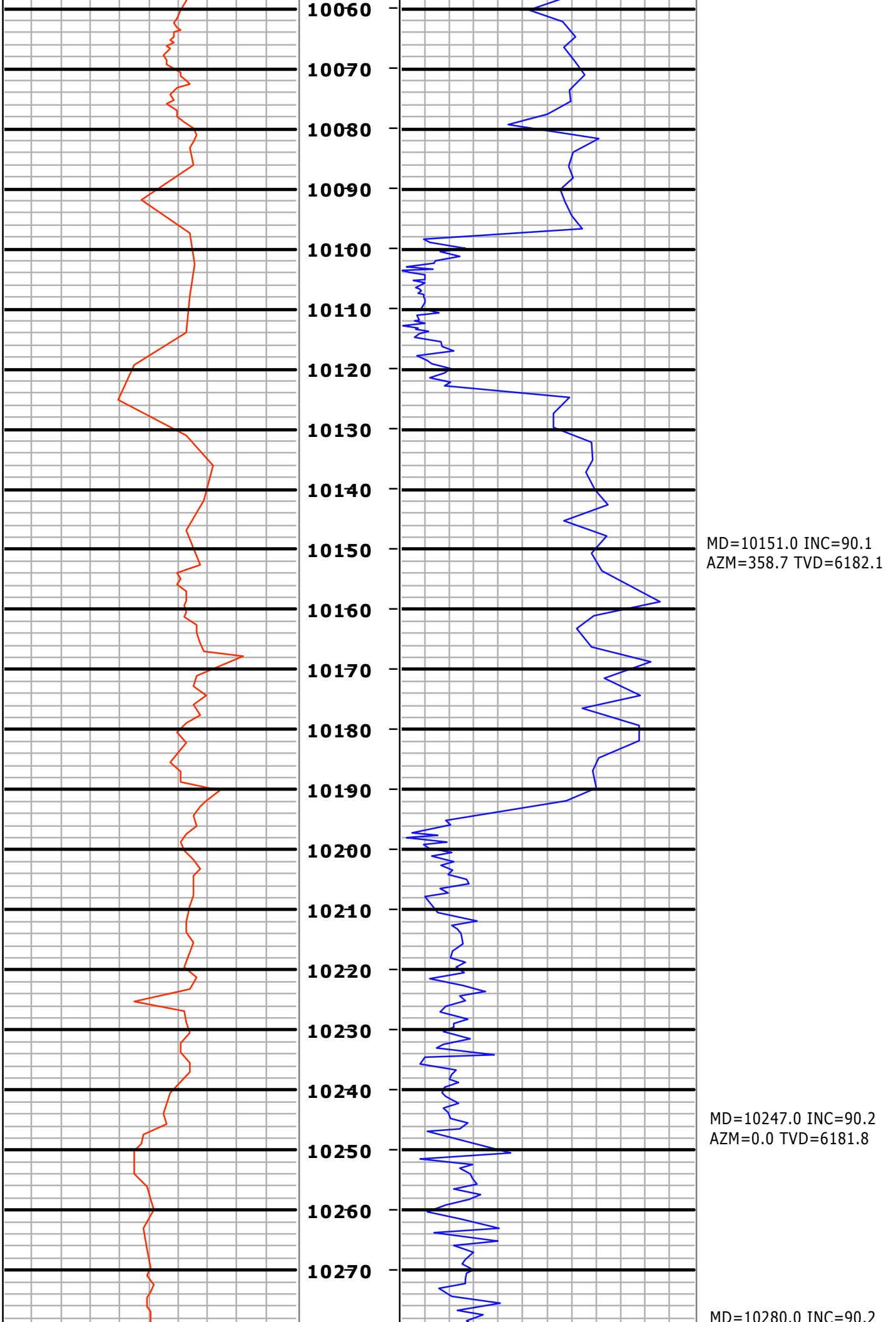


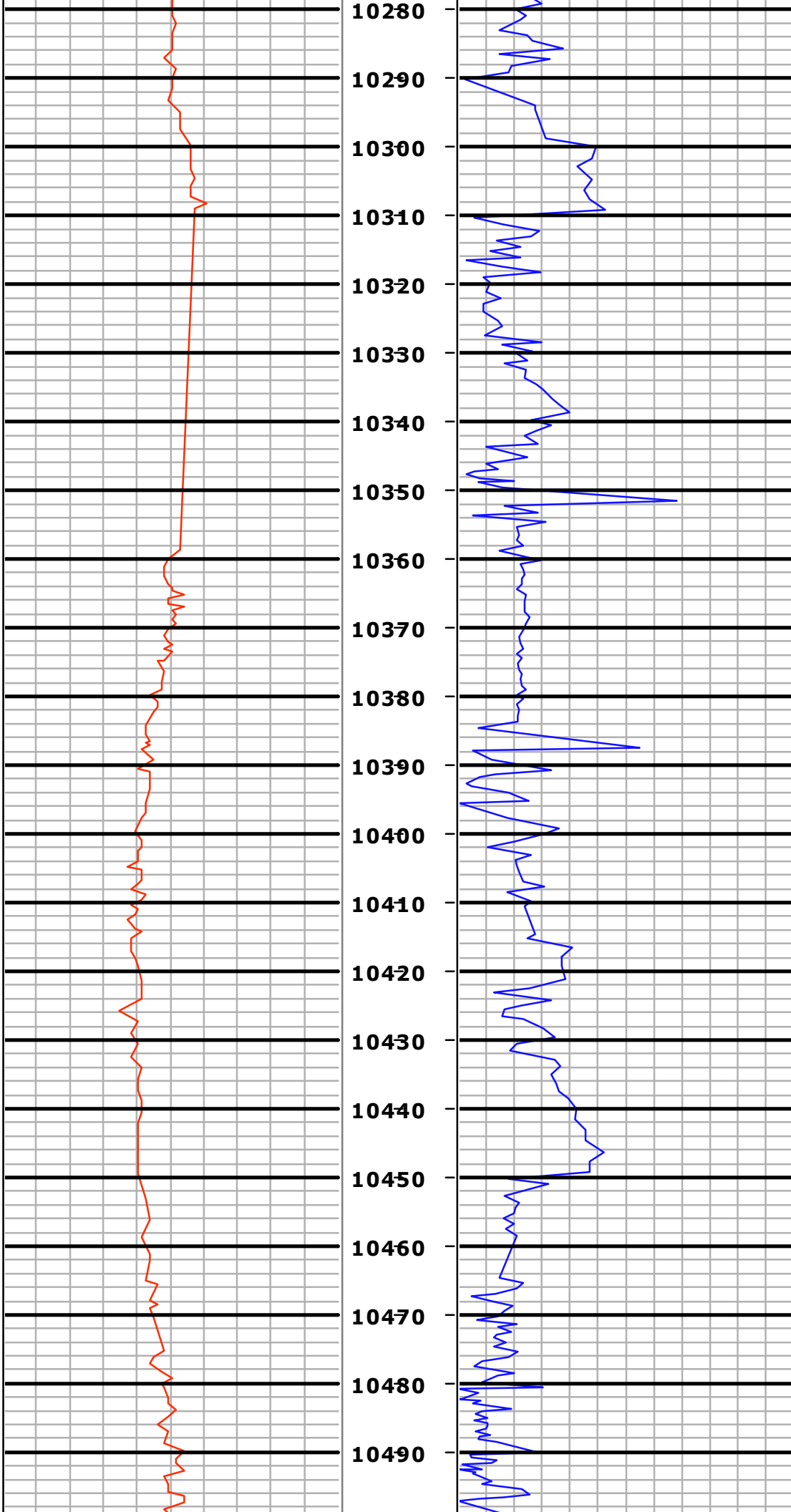
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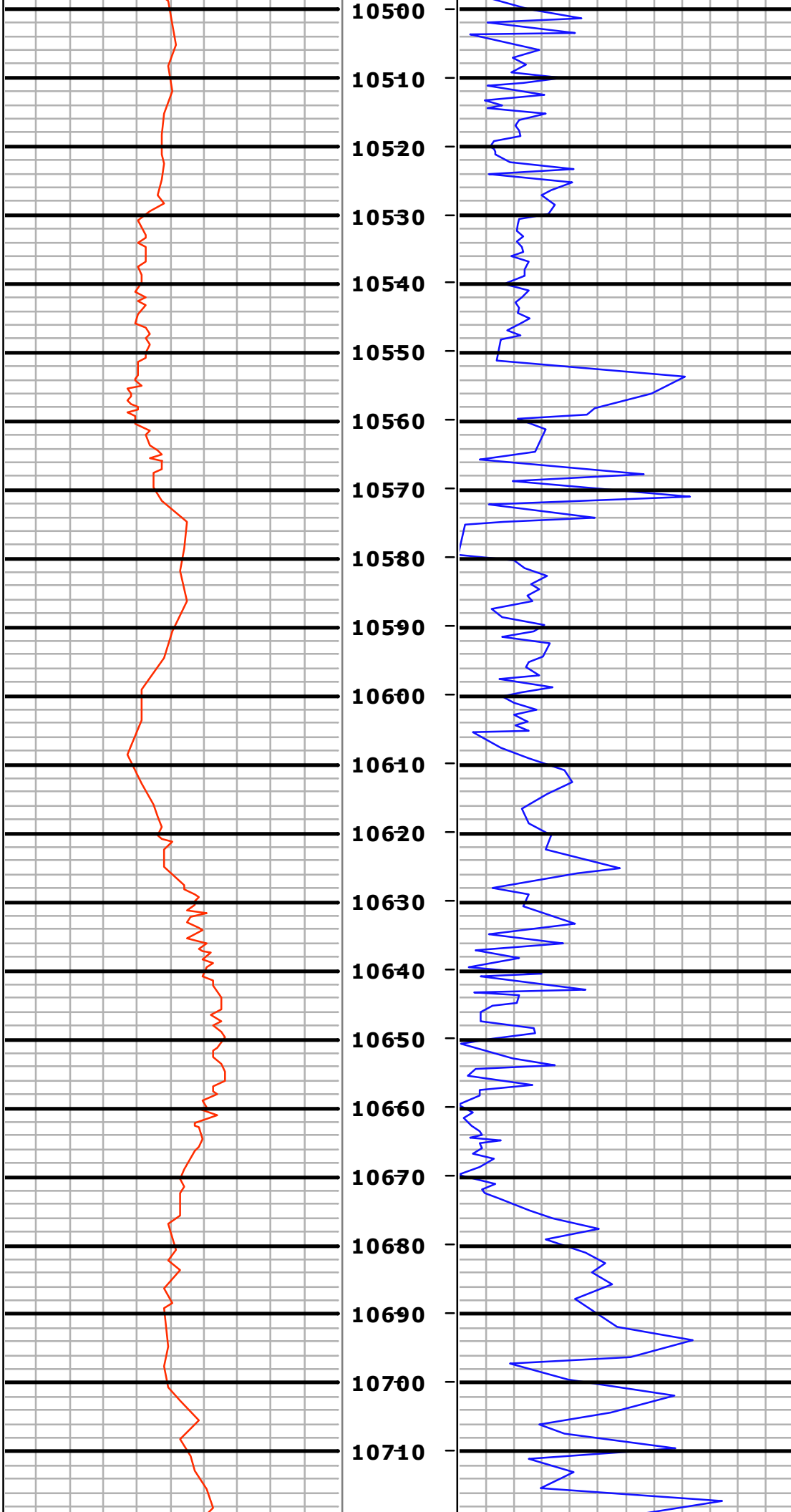


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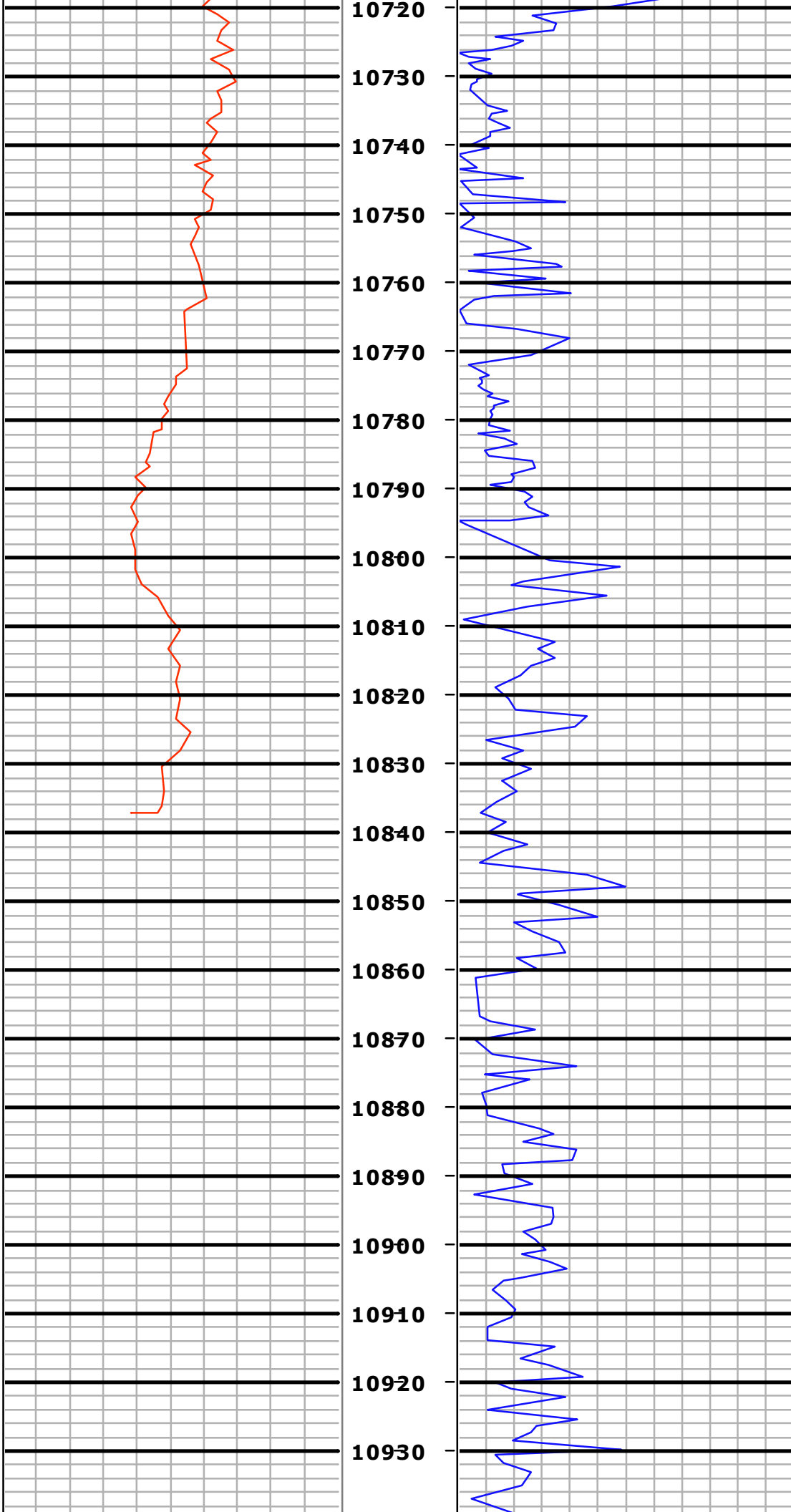
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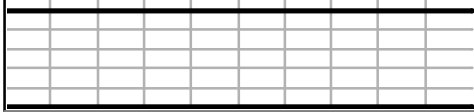
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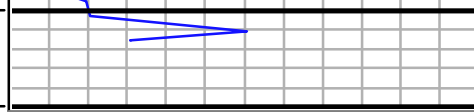
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10930

MD=10758.0 INC=89.9  
AZM=1.2 TVD=6179.3

MD=10836.0 INC=87.7  
AZM=359.7 TVD=6180.9



10940



10950

<b>0</b>	Gamma [AAPI]	<b>200</b>
<b>200</b>	Gamma [AAPI]	<b>300</b>

**Feet**  
**5":100'**  
**MD**

<b>0</b>	ROP [ft per hr]	<b>600</b>
<b>600</b>	ROP [ft per hr]	<b>1200</b>



Client: **Bonanza Creek**

Well Name: **Pronghorn 0-K-15-HNC**

API/UWI: \_\_\_\_\_

Well Lic: \_\_\_\_\_

GDAT: **0**

Surface LSD: \_\_\_\_\_

KB: **0**

State/Prov: **Colorado**

Job #: **2015-012-25** GL: **0**

Country: **U.S.A.**

MWD Kit: **11** DF: **0**