56-ARM CALIPER LOG

Company	SOUTHERN CALIFORNIA GAS COMPANY
Well	FERNANDO FEE 38C
Field	ALISO CANYON
County	LOS ANGELES
State	CALIFORNIA

Company SOUTHERN CALIFORNIA GAS COMPANY
Well FERNANDO FEE 38C
Field ALISO CANYON
County LOS ANGELES
State CALIFORNIA

Location: API # :

SEC 27 TWP 3N RGE 16W

Other Services: HRVRT

Permanent Datum	GROUND LEVEL	Elevation	1708.0
Log Measured From	KELLY BUSHING - 32.0' AGL		
Drilling Measured From	KELLY BUSHING		

Elevation
K.B. 1740.0
D.F. 1739.0
G.L. 1708.0

Date	MAR. 23, 2016		
Run Number	1		
Depth Driller	7366.0		
Depth Logger	6781.0		
Bottom Logged Interval	6776.0		
Top Log Interval	SURFACE		
Open Hole Size			
Type Fluid	KCL		
Density / Viscosity	8.5		
Max. Recorded Temp.	151.0		
Estimated Cement Top			
Time Well Ready	0700		
Time Logger on Bottom	0800		
Equipment Number	4243		
Location	OKC, OK		
Recorded By	B. DEAL, S. GORNTO		
Witnessed By	JEFF SANDOVAL		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				9.625	43.5	44	6780

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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, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

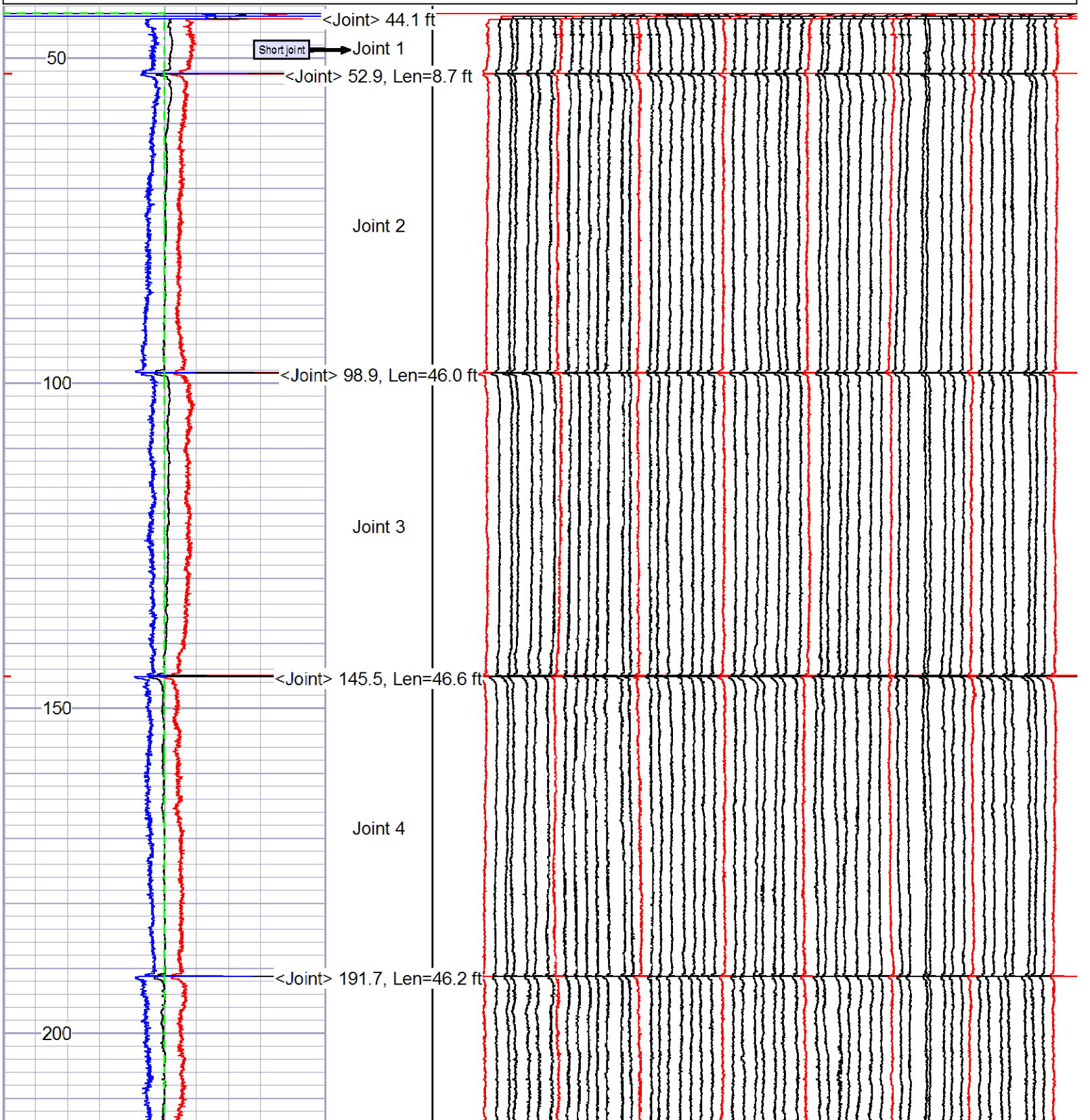
LOG CORRELATED TO BAKER ATLAS SBT LOG DATED 2-25-03
LOGGED 35 FPM

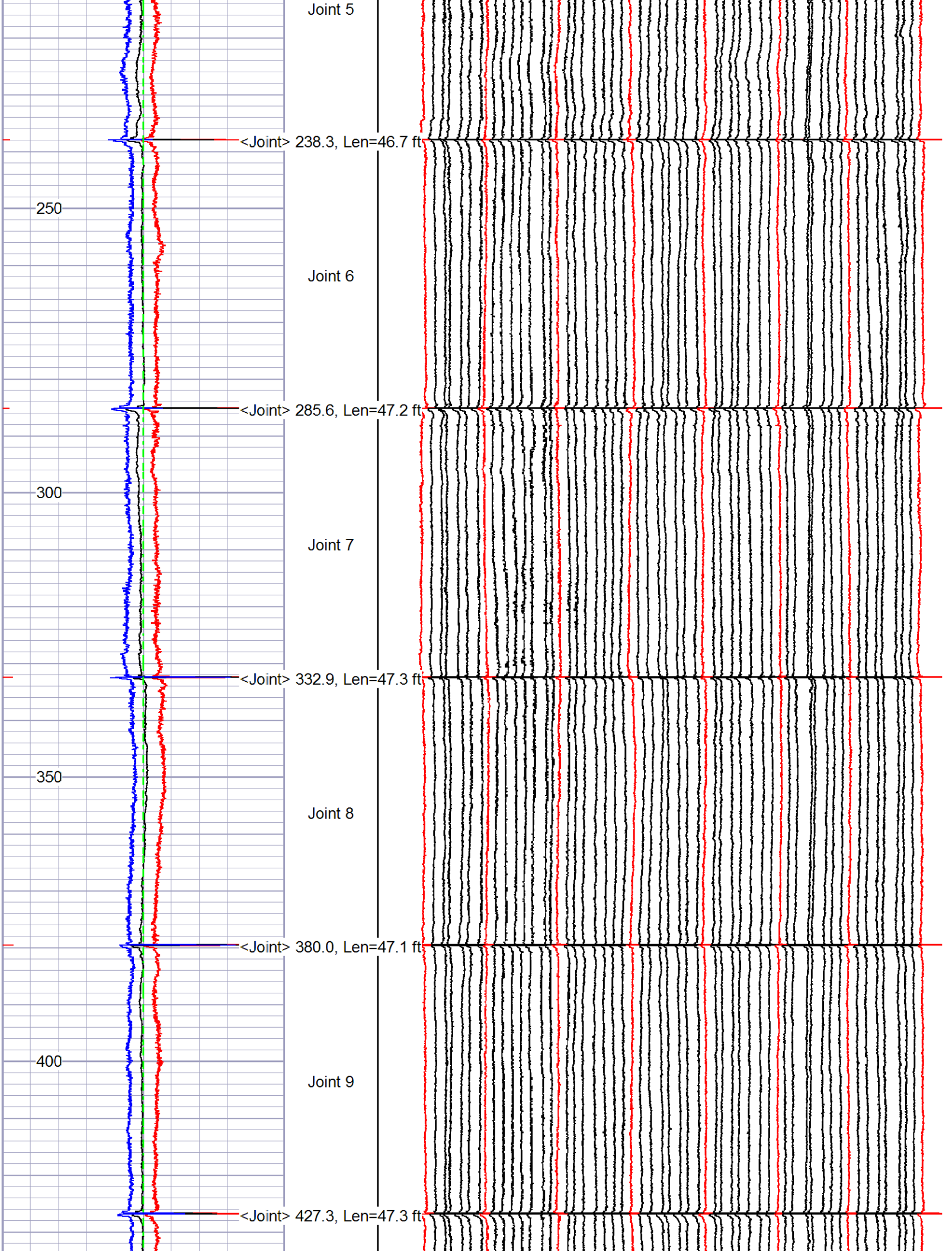
MAIN PASS (5" /100')

Database File	c:\users\waakjanl\desktop\incoming\hcal_socal_ff_38c\mainproc.db
Dataset Pathname	stat
Presentation Format	56f_hw
Dataset Creation	Mon Apr 18 10:19:01 2016
Charted by	Depth in Feet scaled 1:240

8.255	Maximum - ID (in)	9.255	PTANN	4.1275	56 FINGER TRACE (in)	7.2275
8.255	Average - ID (in)	9.255				
8.255	Minimum - ID (in)	9.255				
8.255	Nominal - ID (in)	9.255				

Note: 1" scale for amplification

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Joint 9
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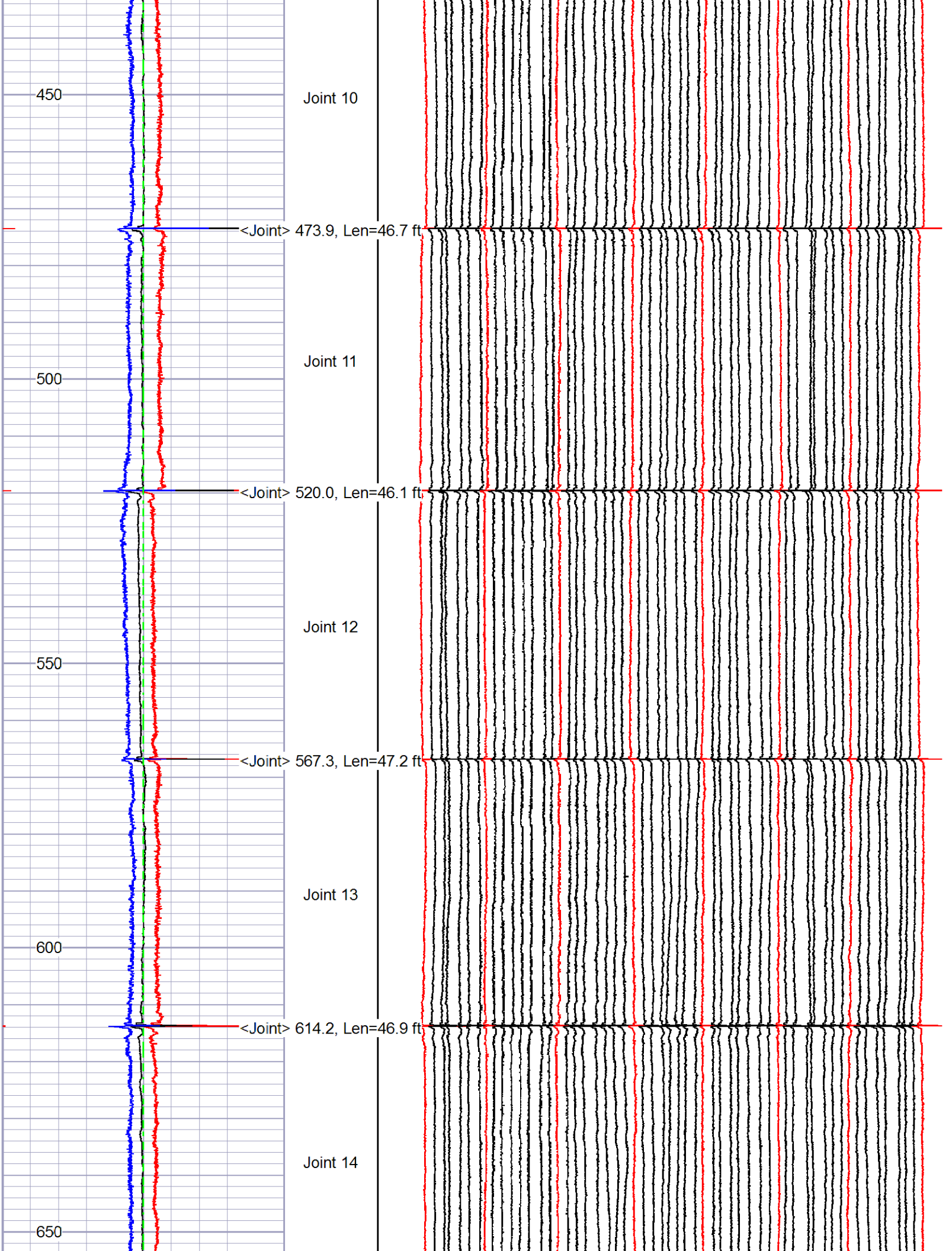
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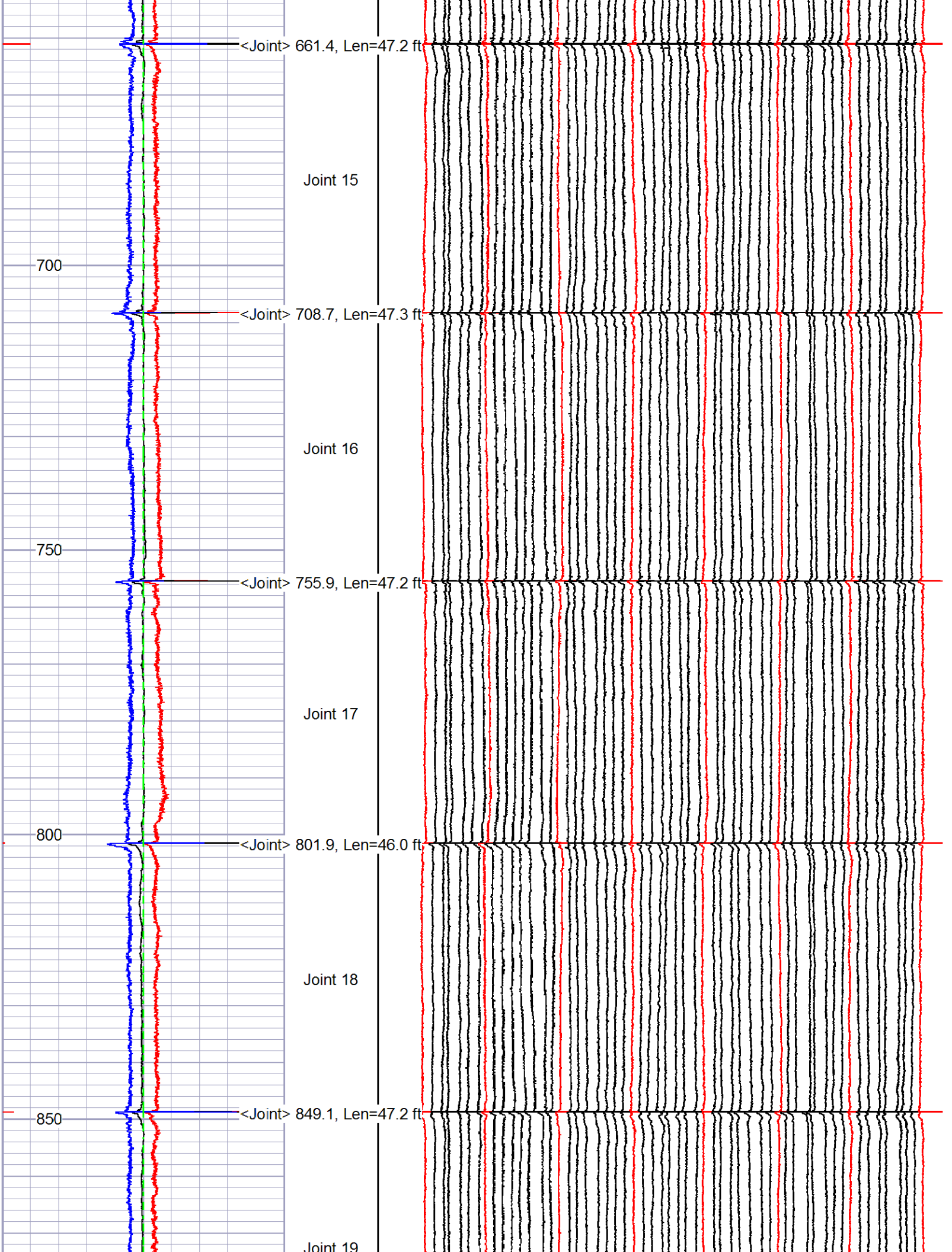
Joint 14
650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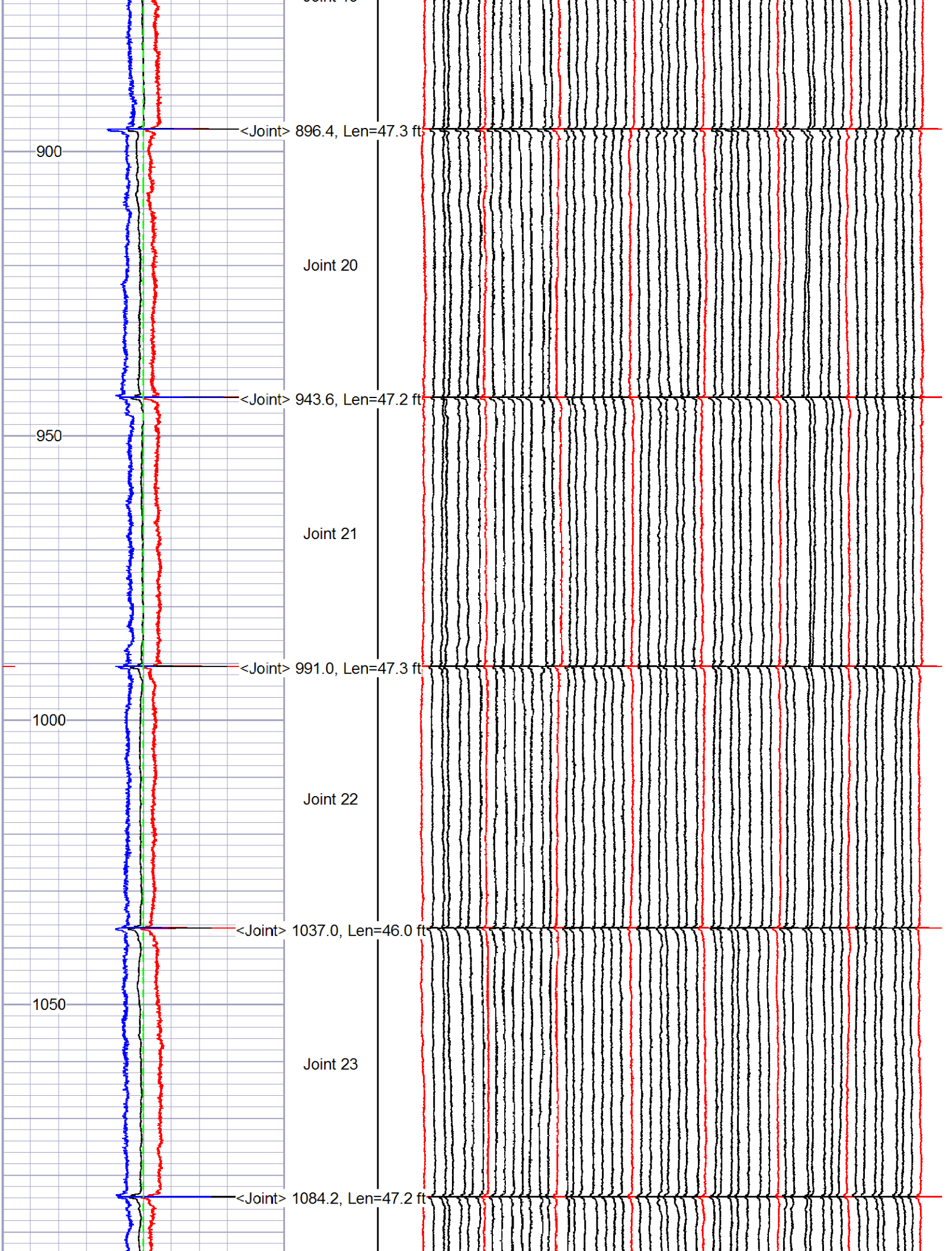
Joint 18
850
<Joint> 849.1, Len=47.2 ft
Joint 19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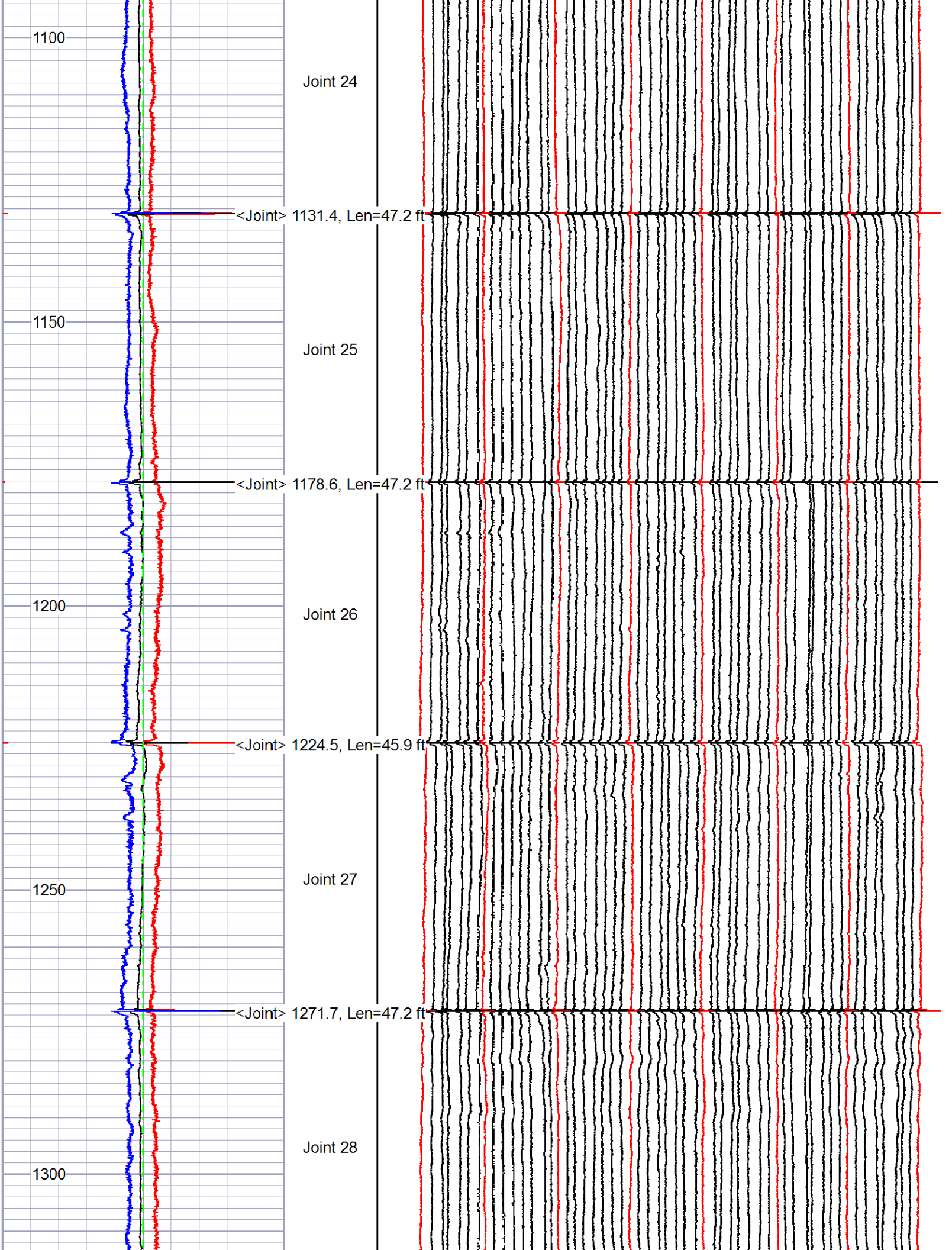
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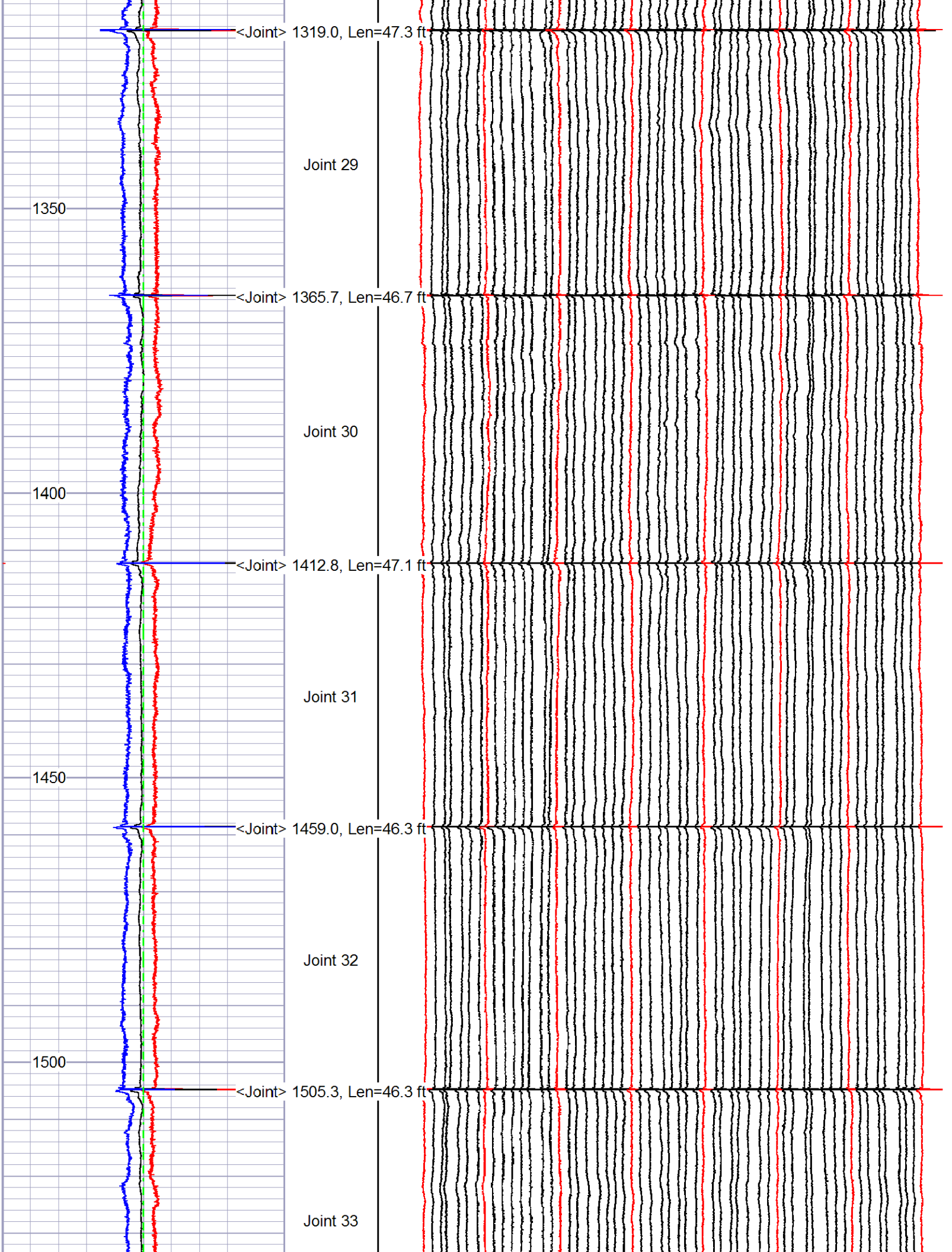
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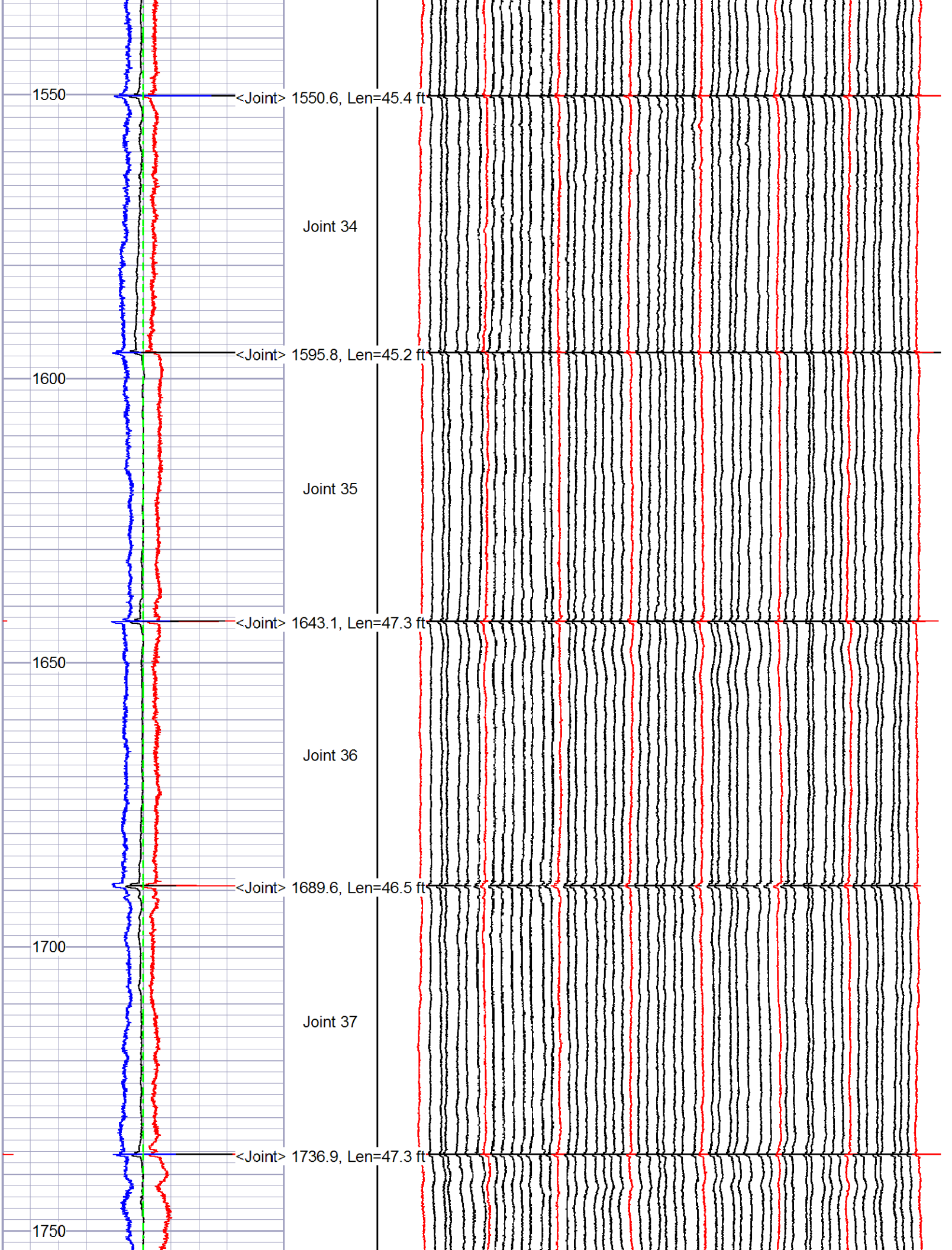
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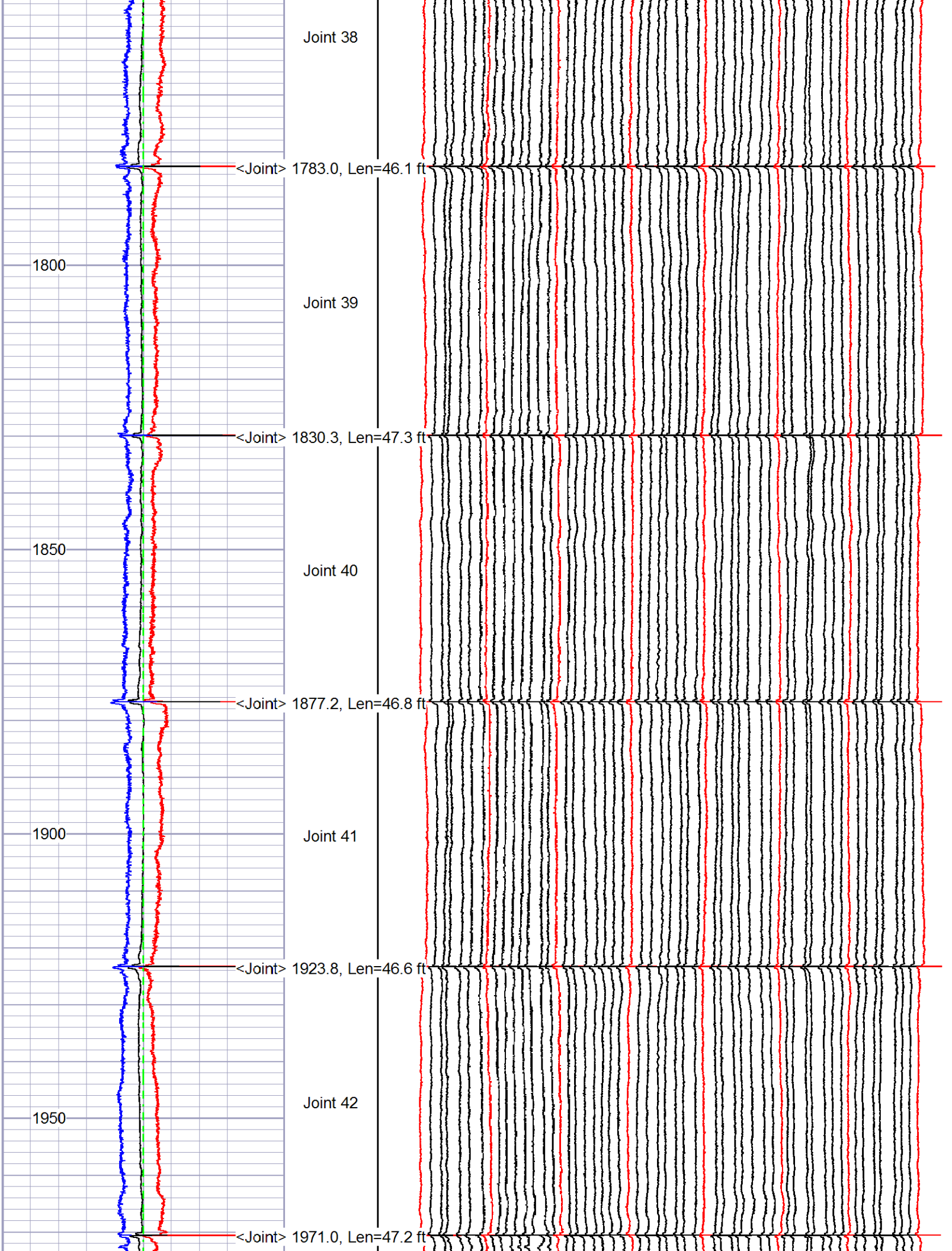
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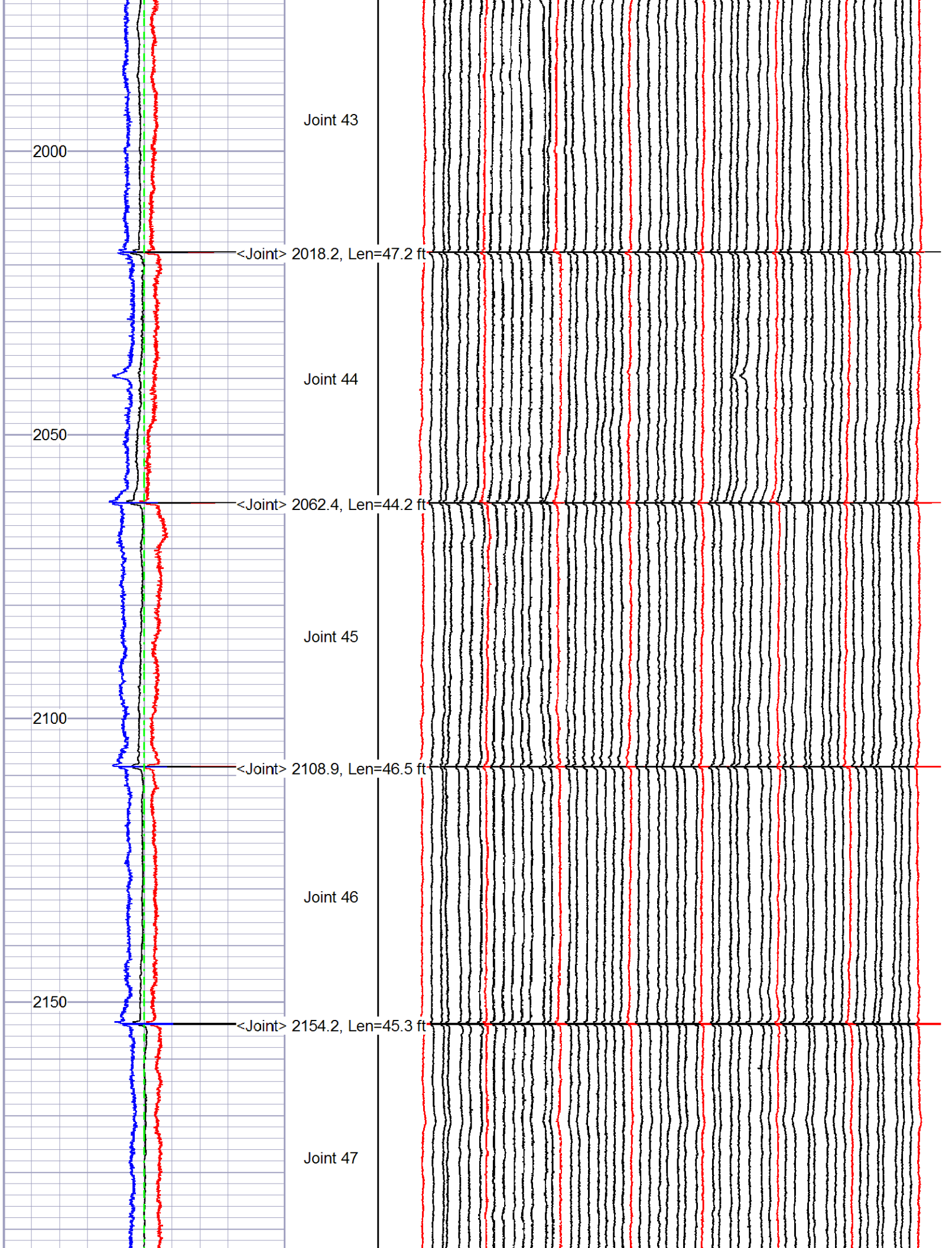
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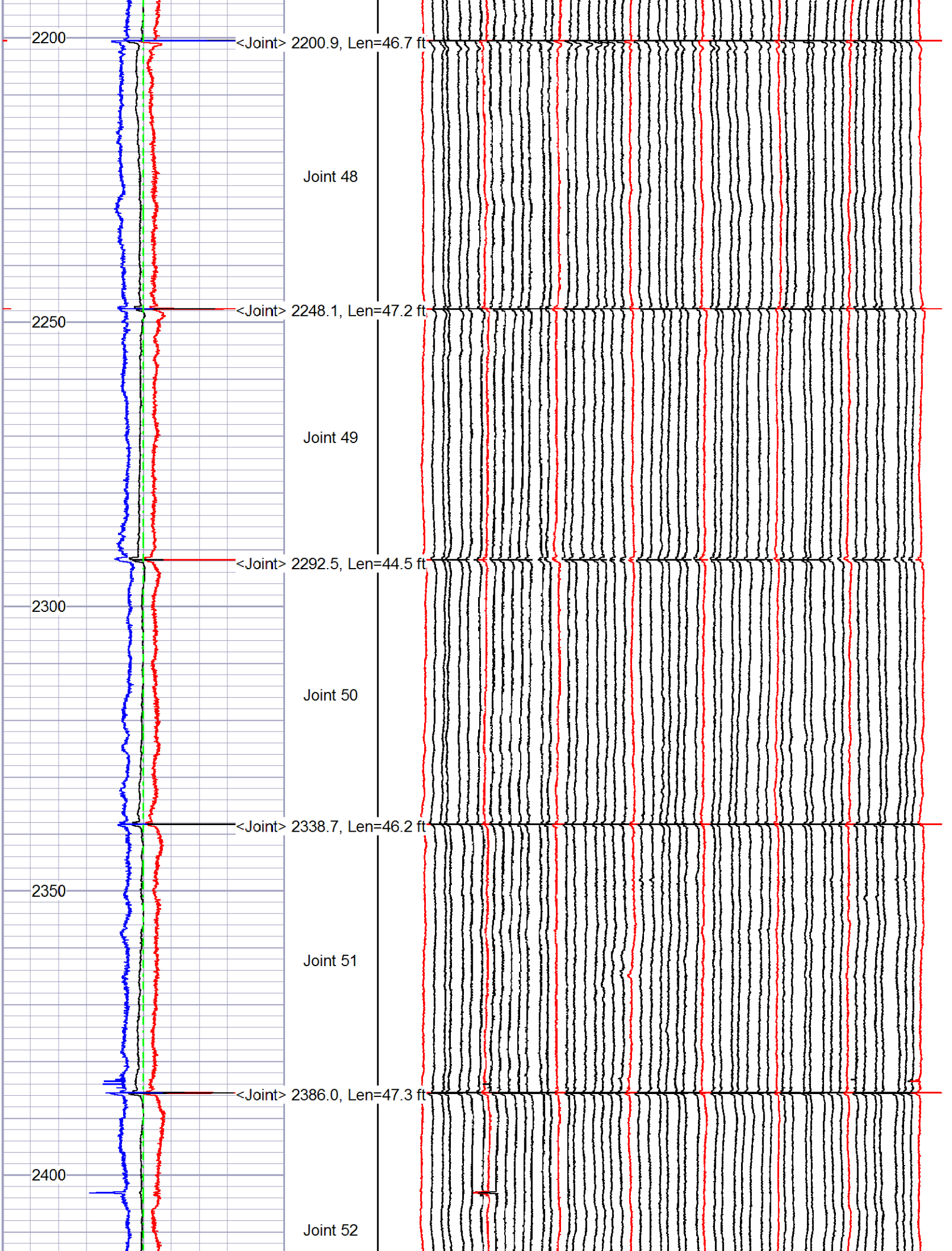
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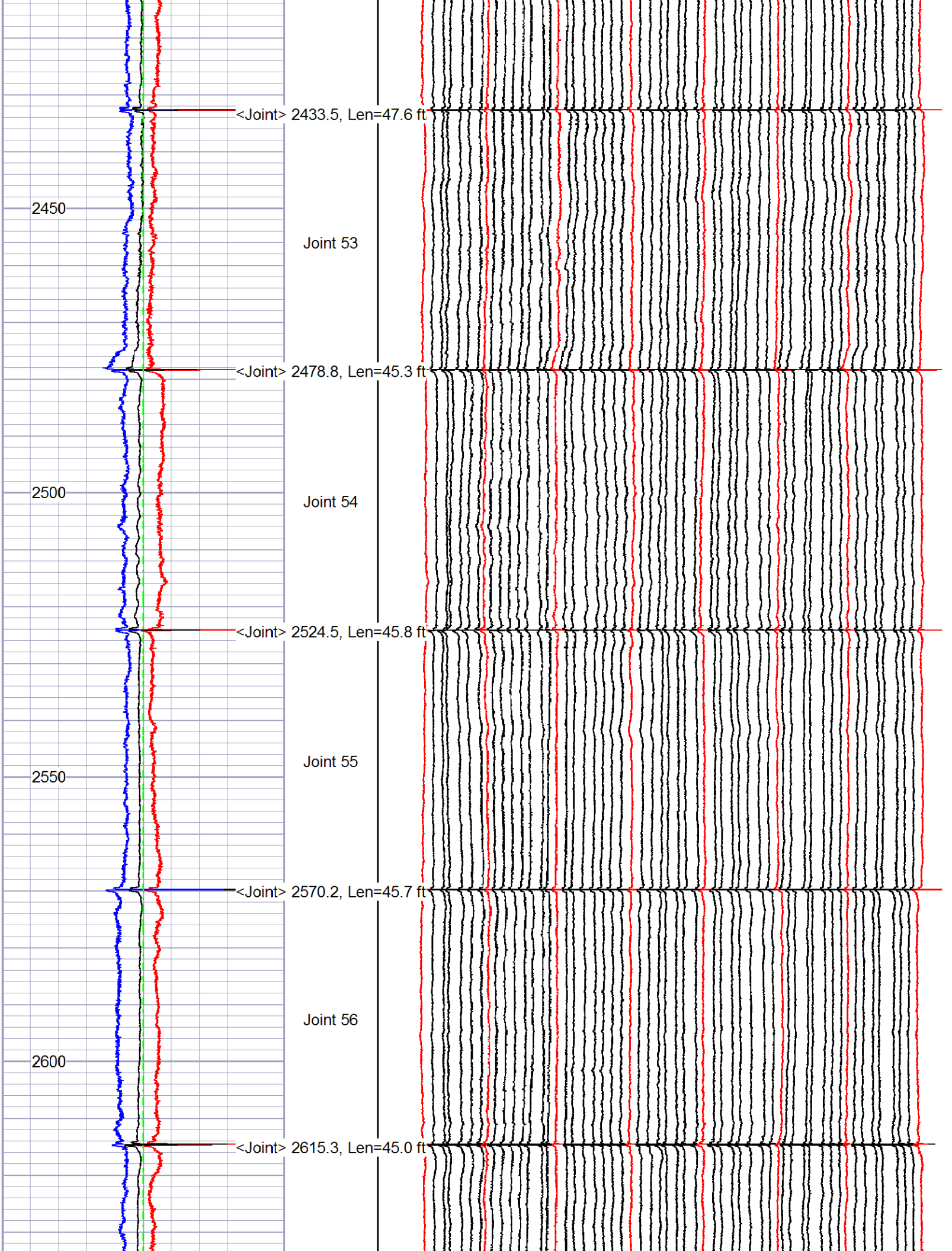
Joint 52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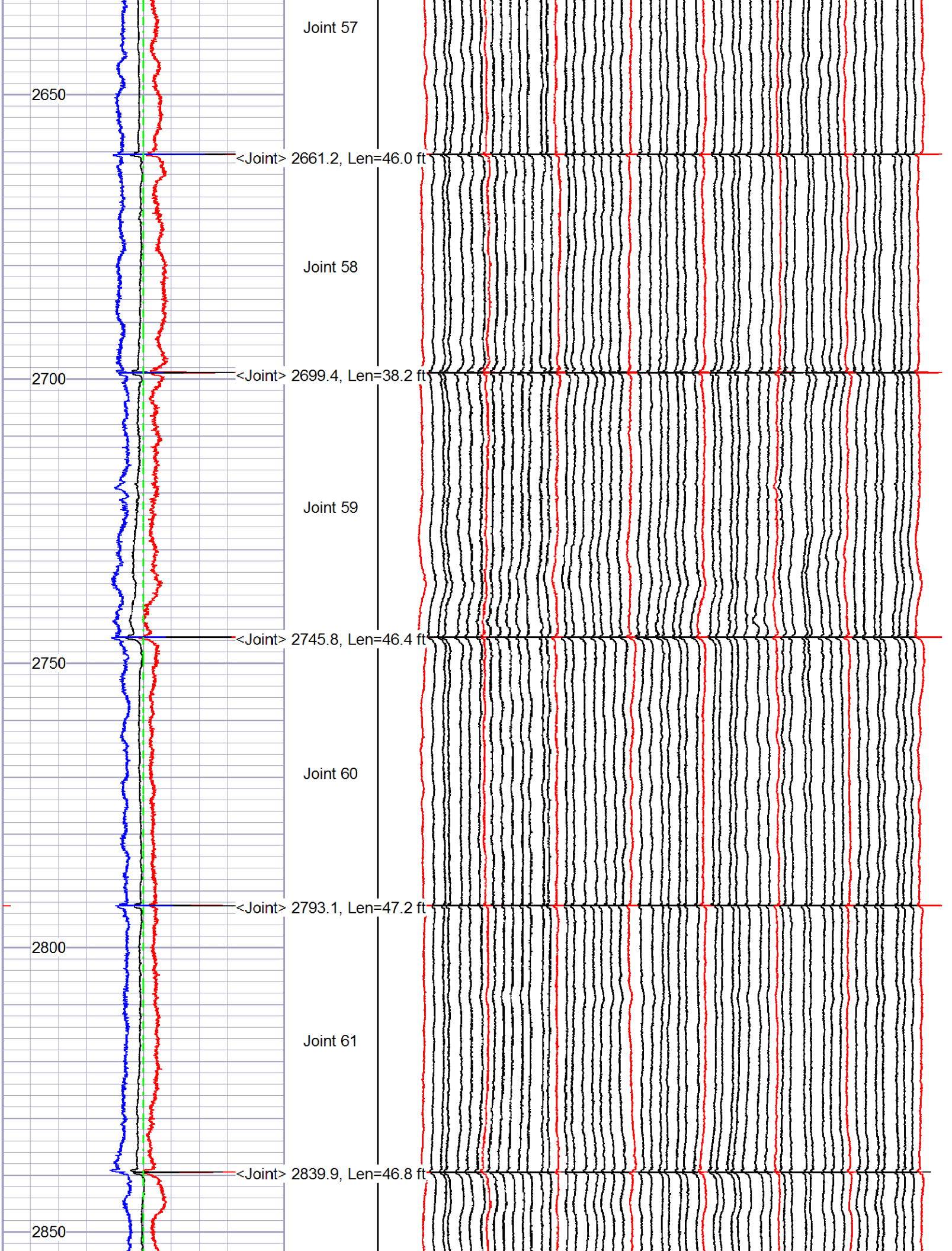
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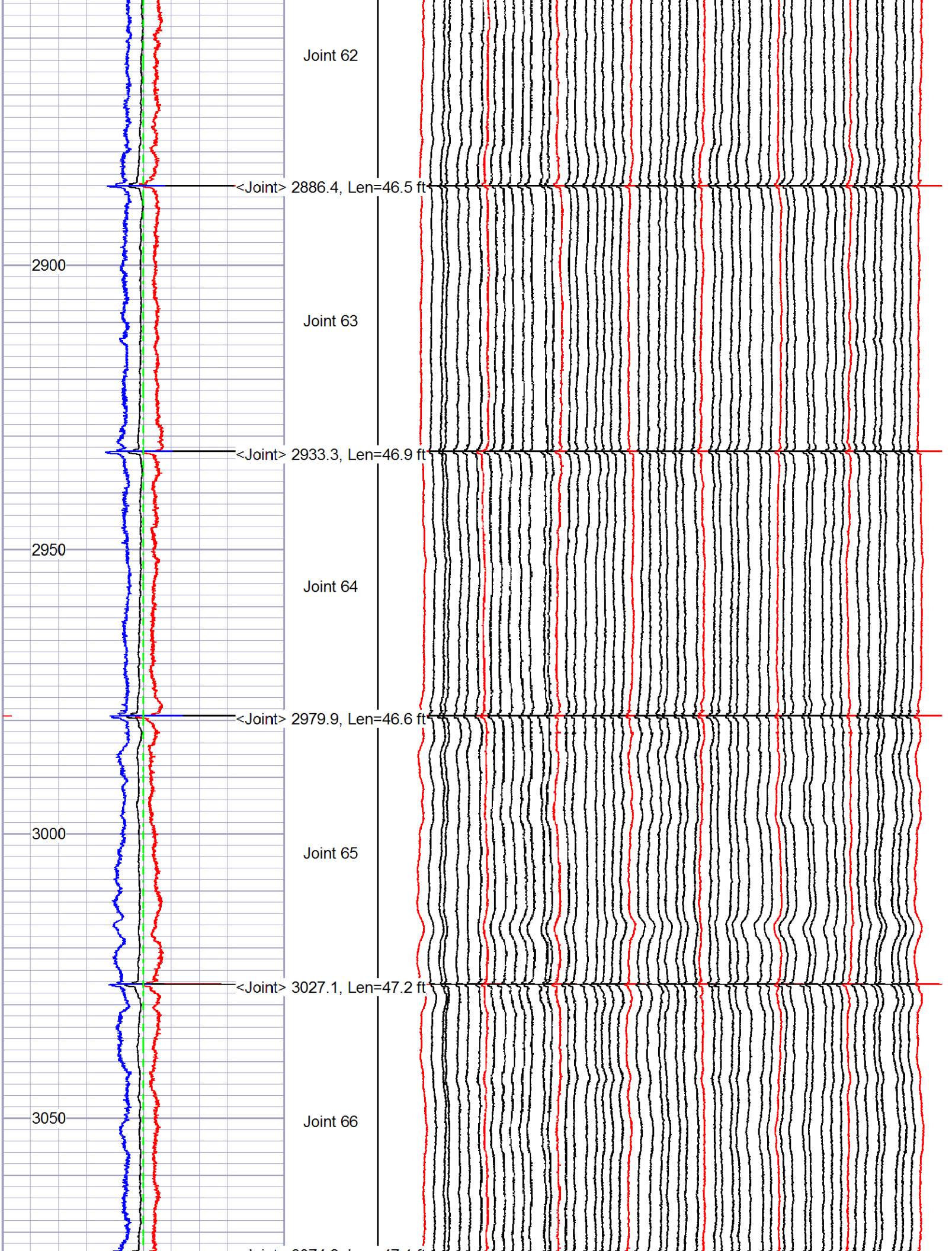
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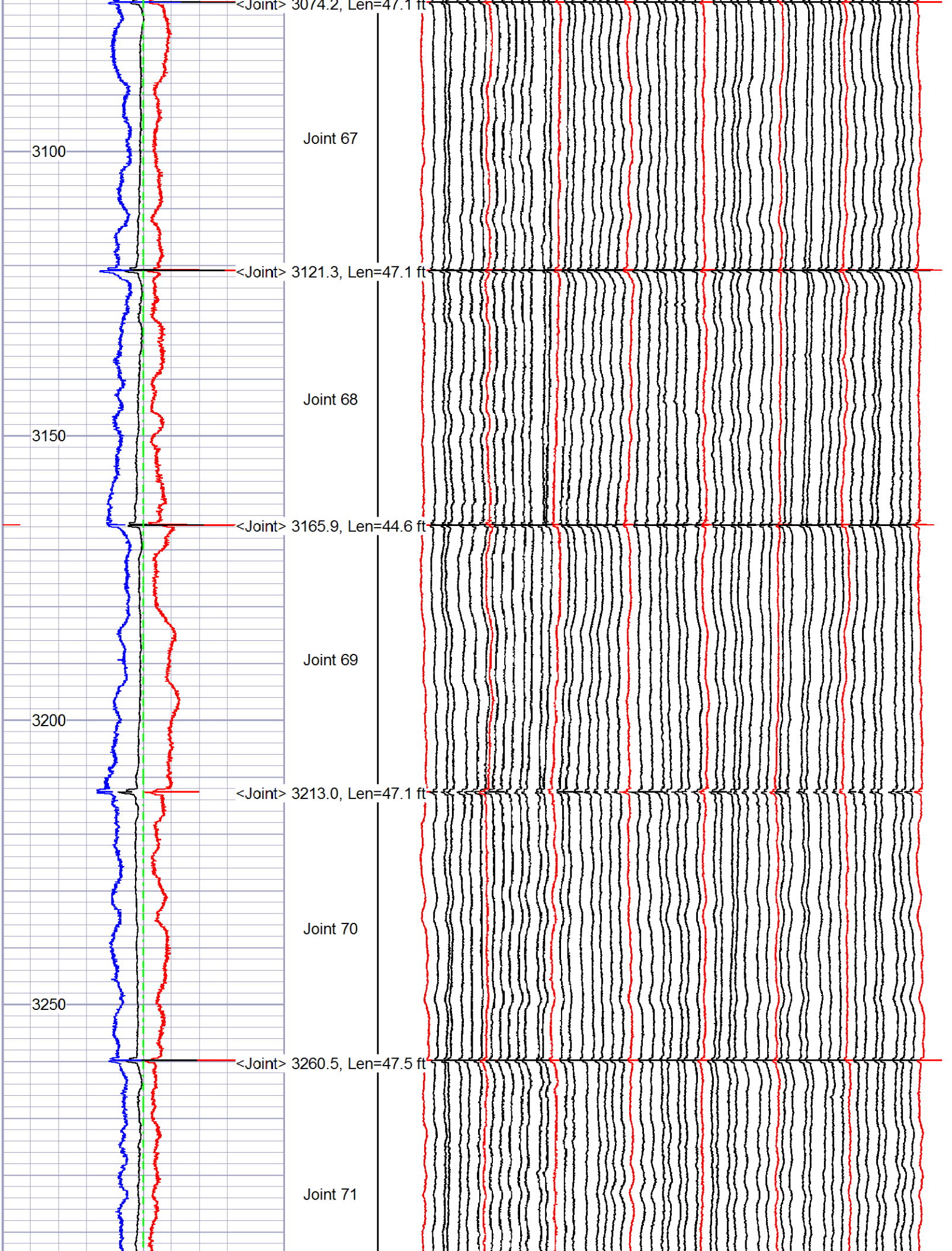
Joint 66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Joint 70
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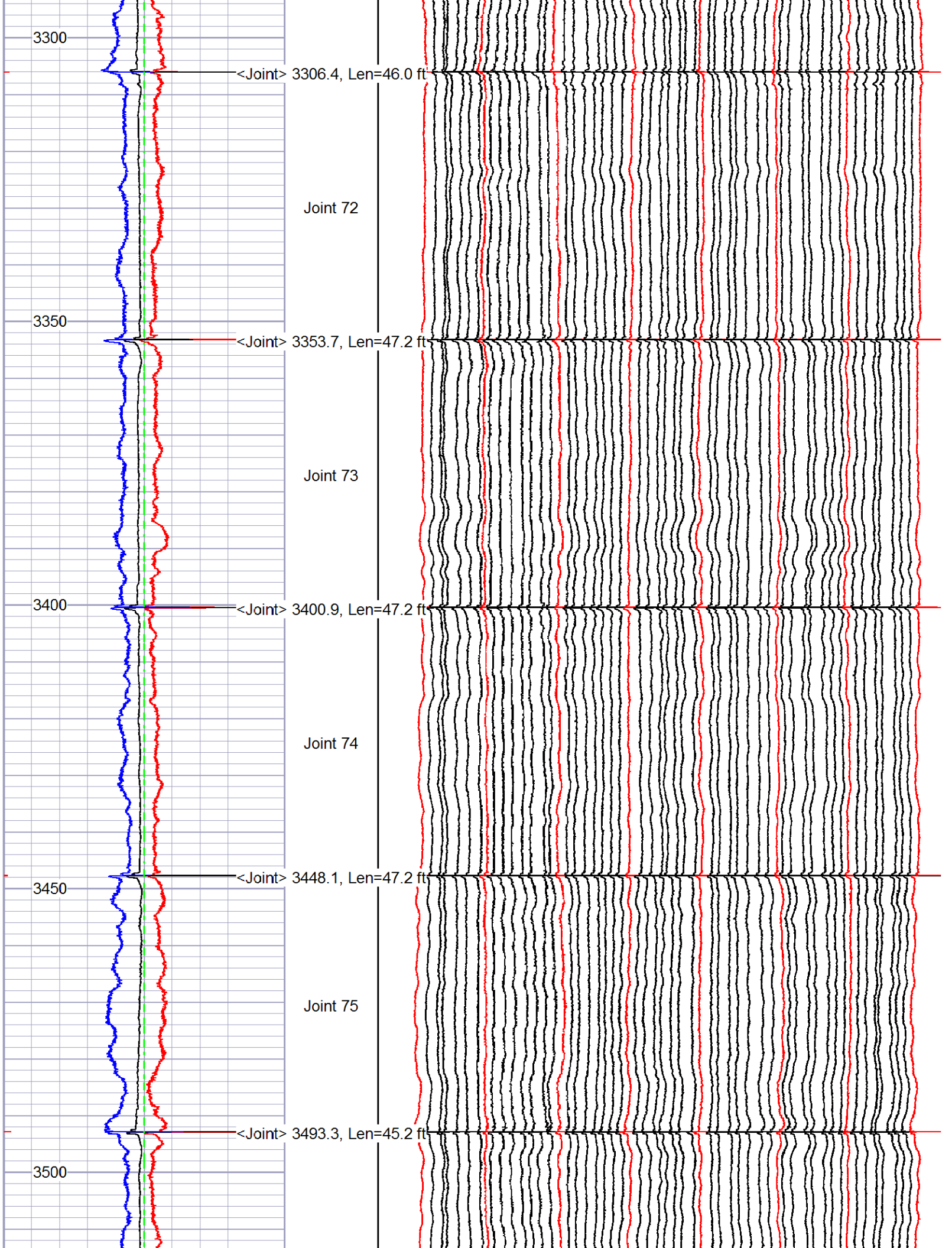
<Joint> 3260.5, Len=47.5 ft
Joint 71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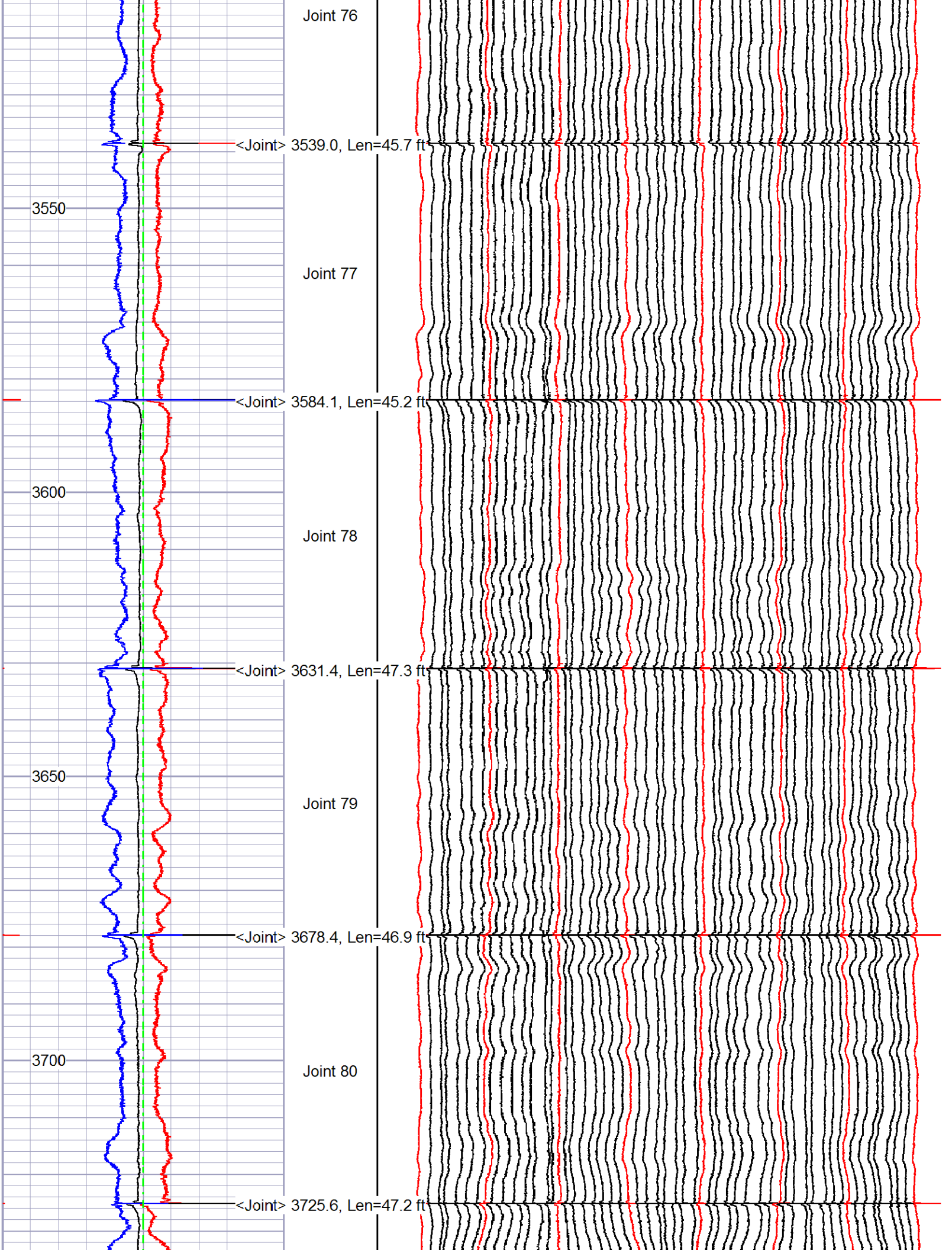
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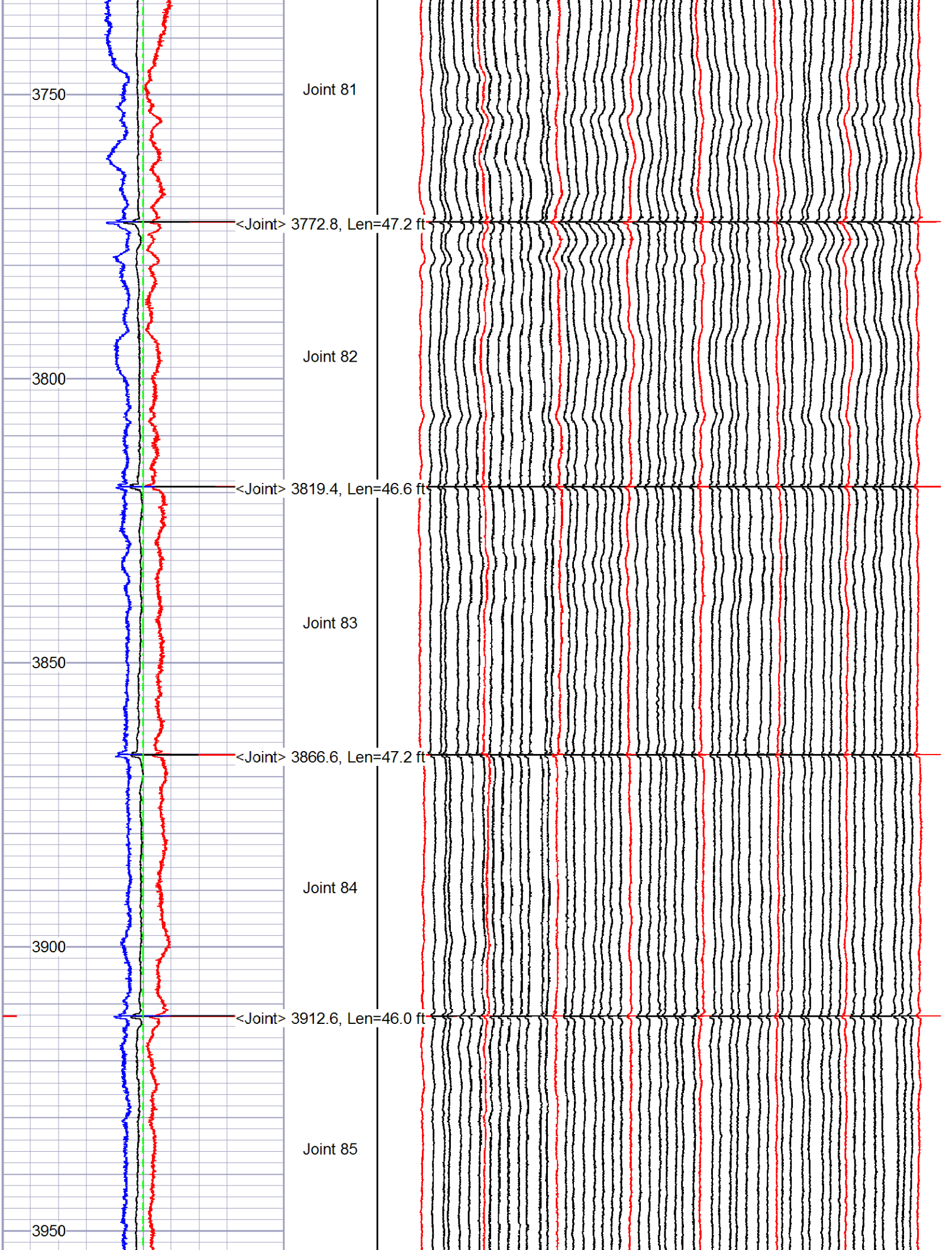
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Joint 84
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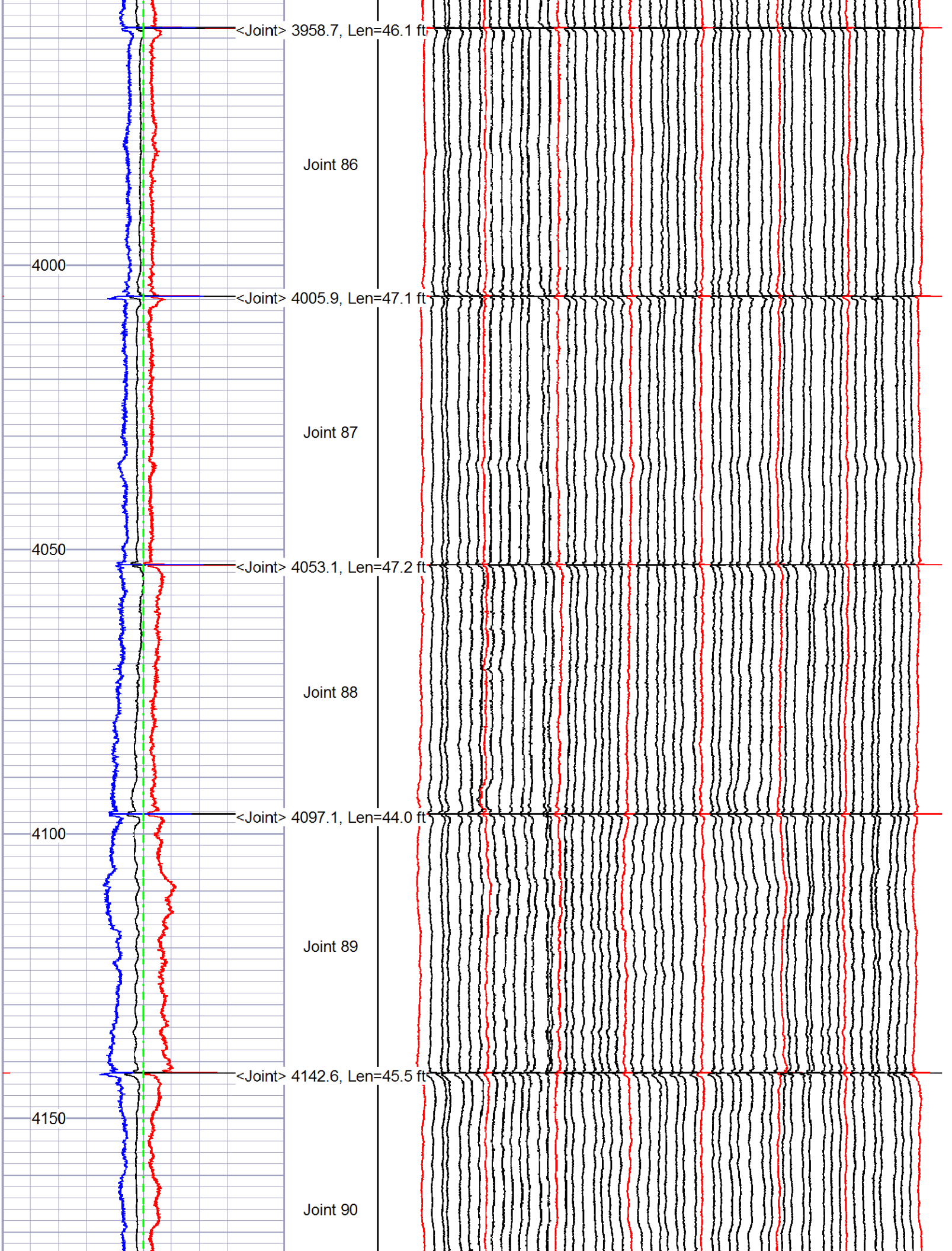
Joint 85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Joint 89
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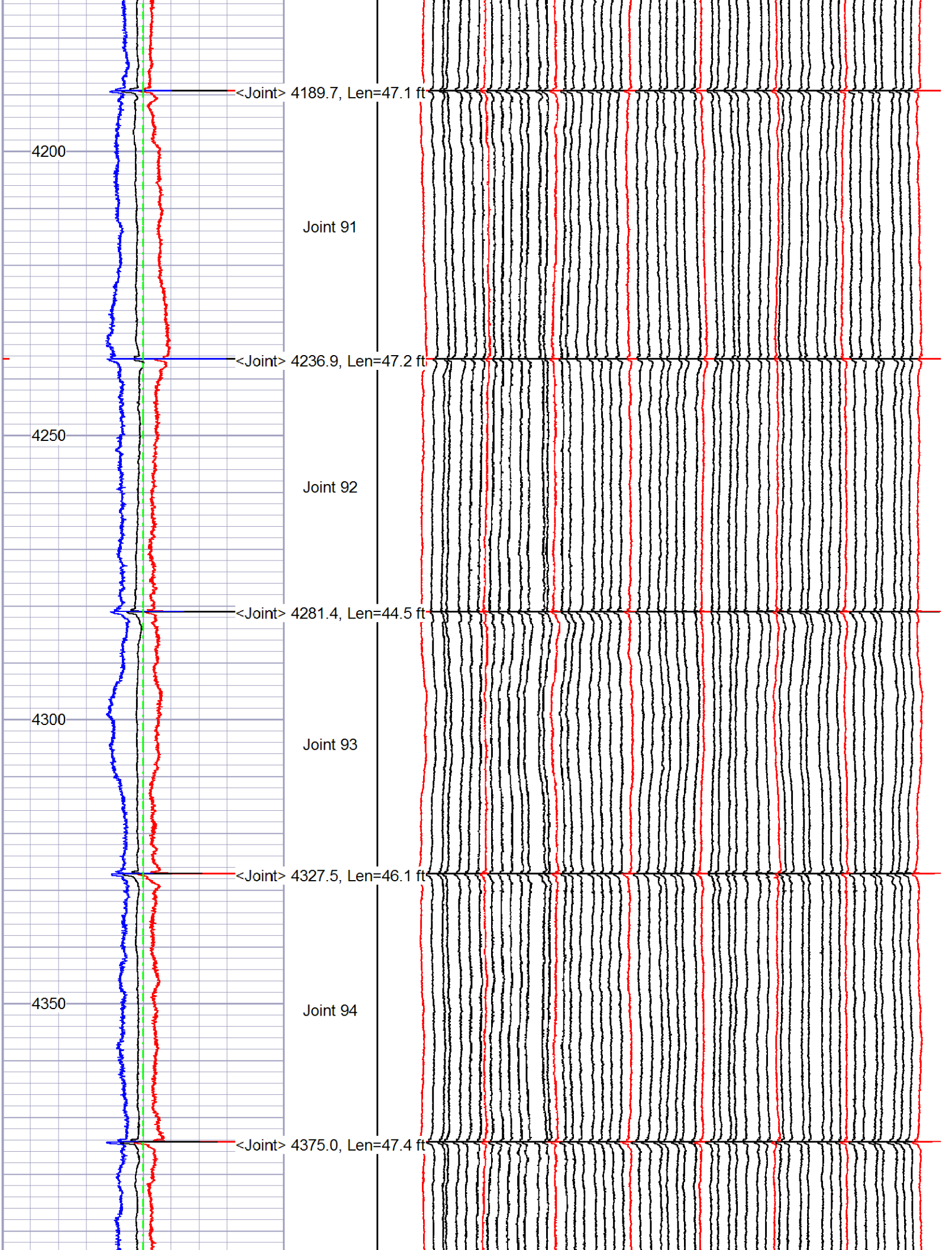
Joint 90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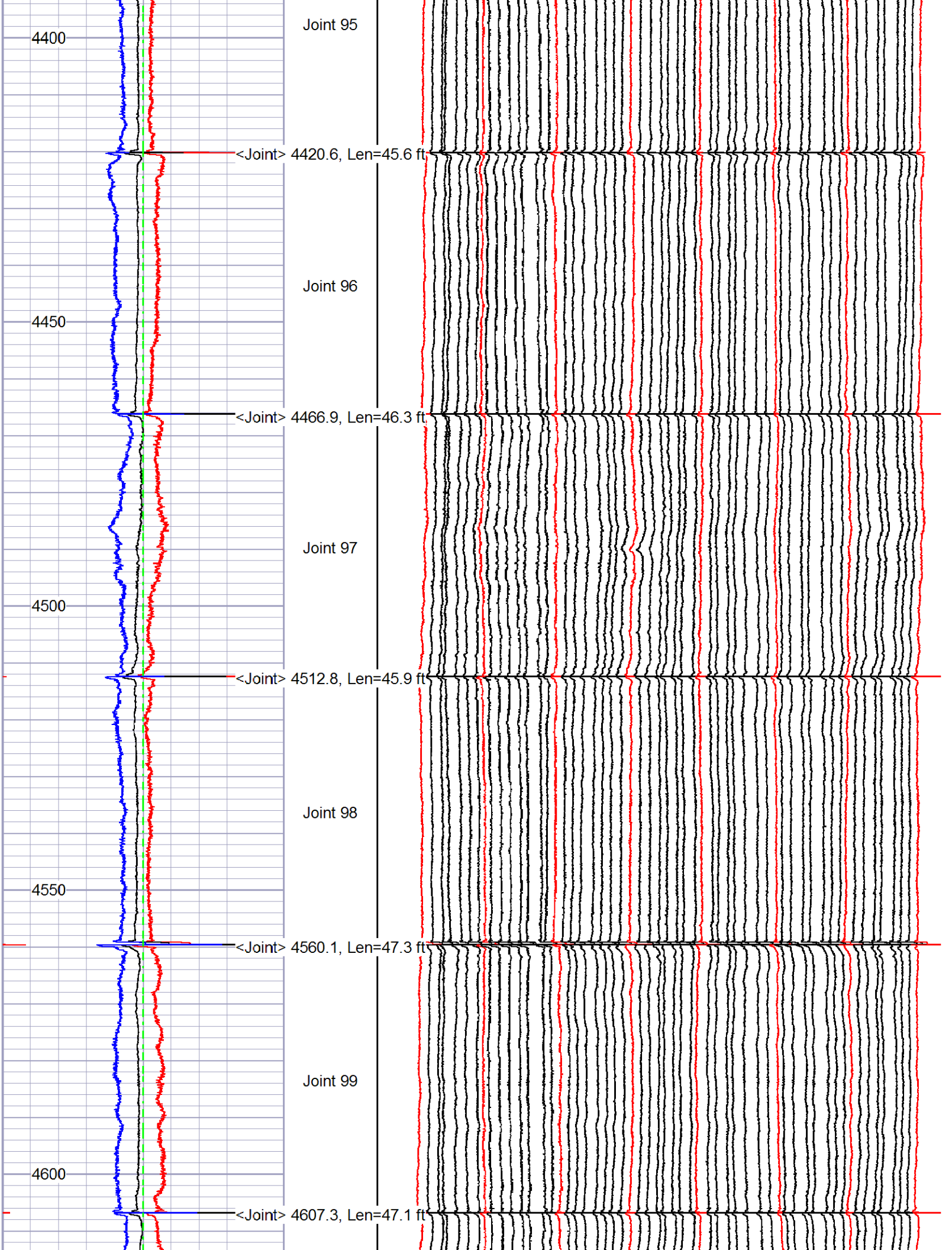
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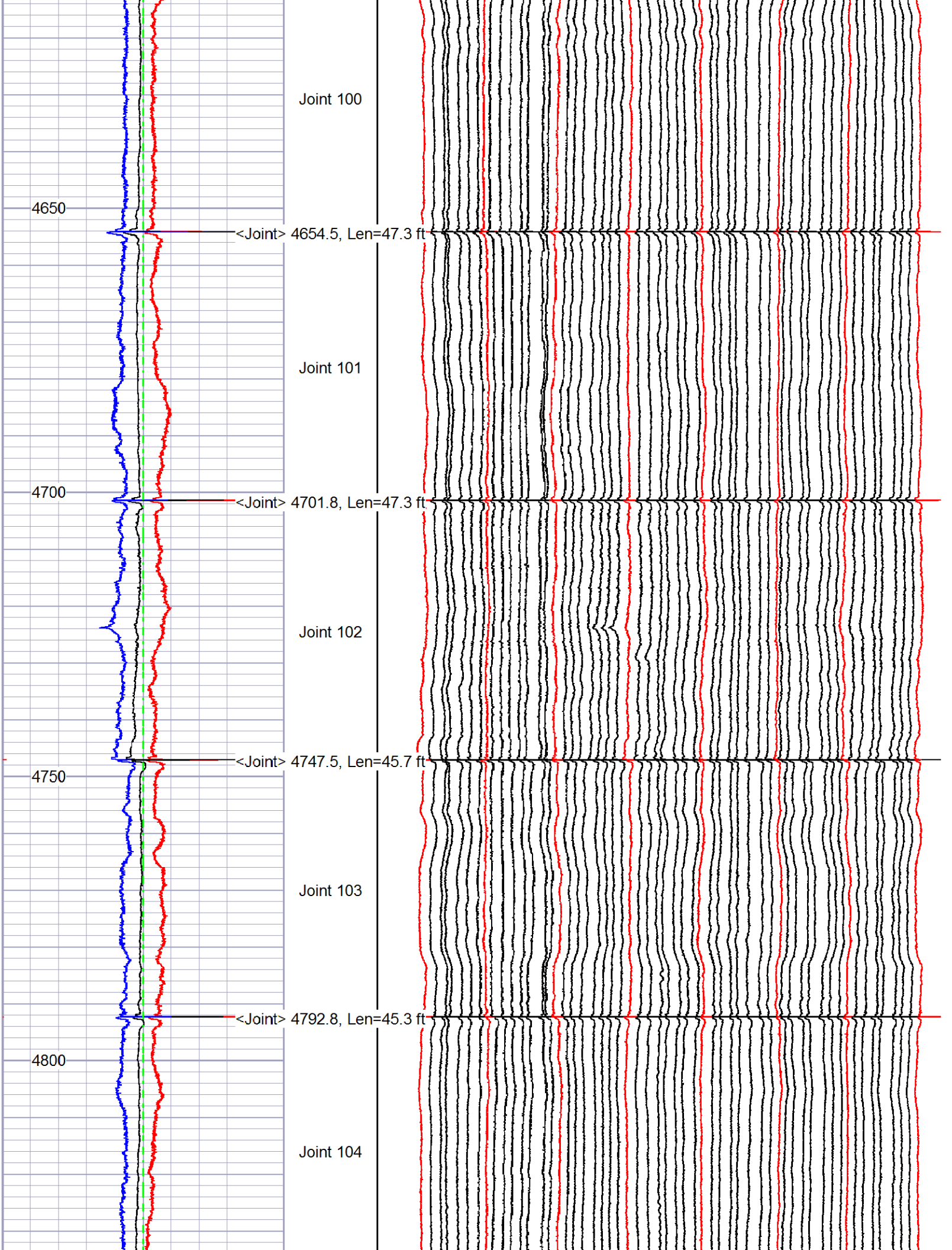
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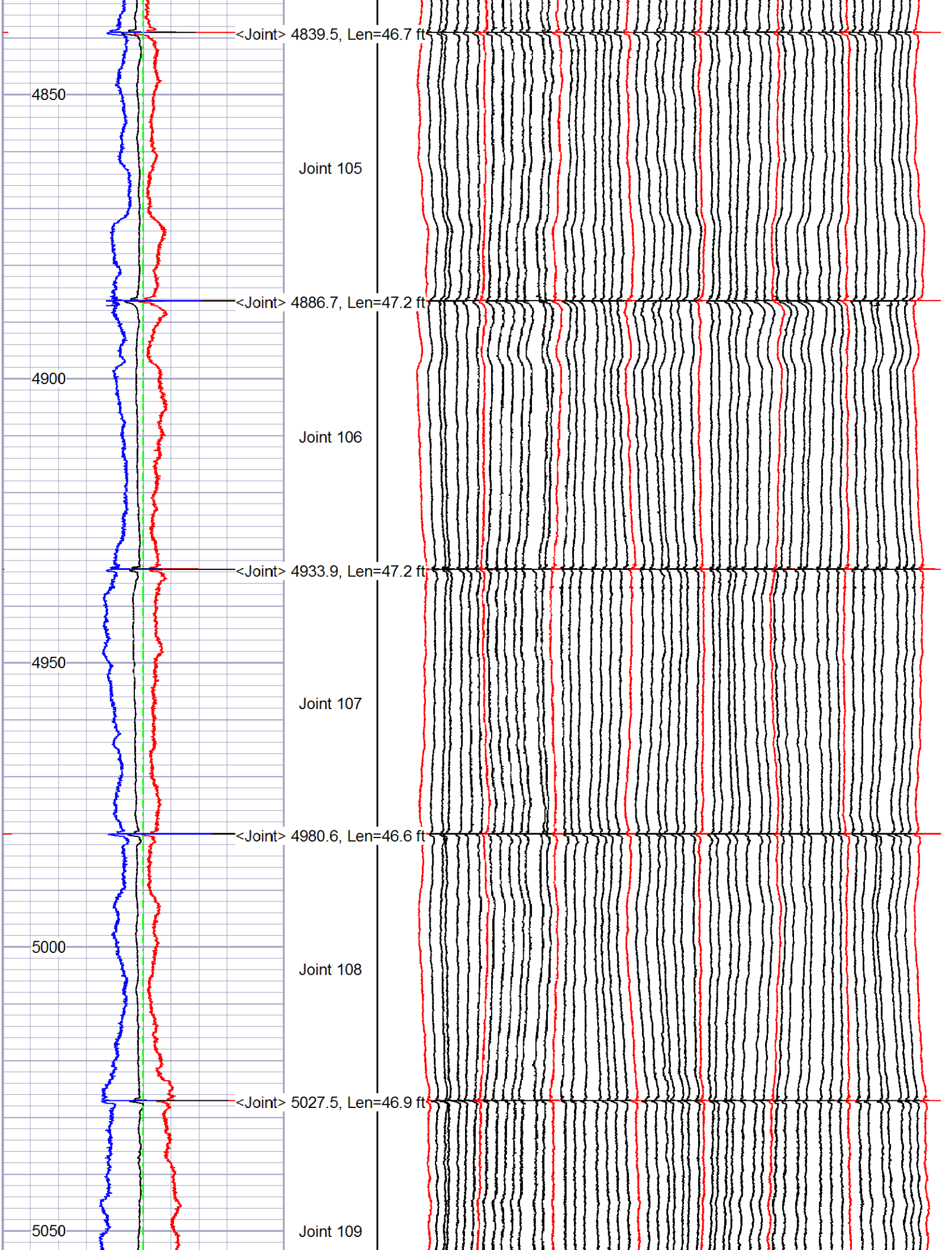
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Joint 108
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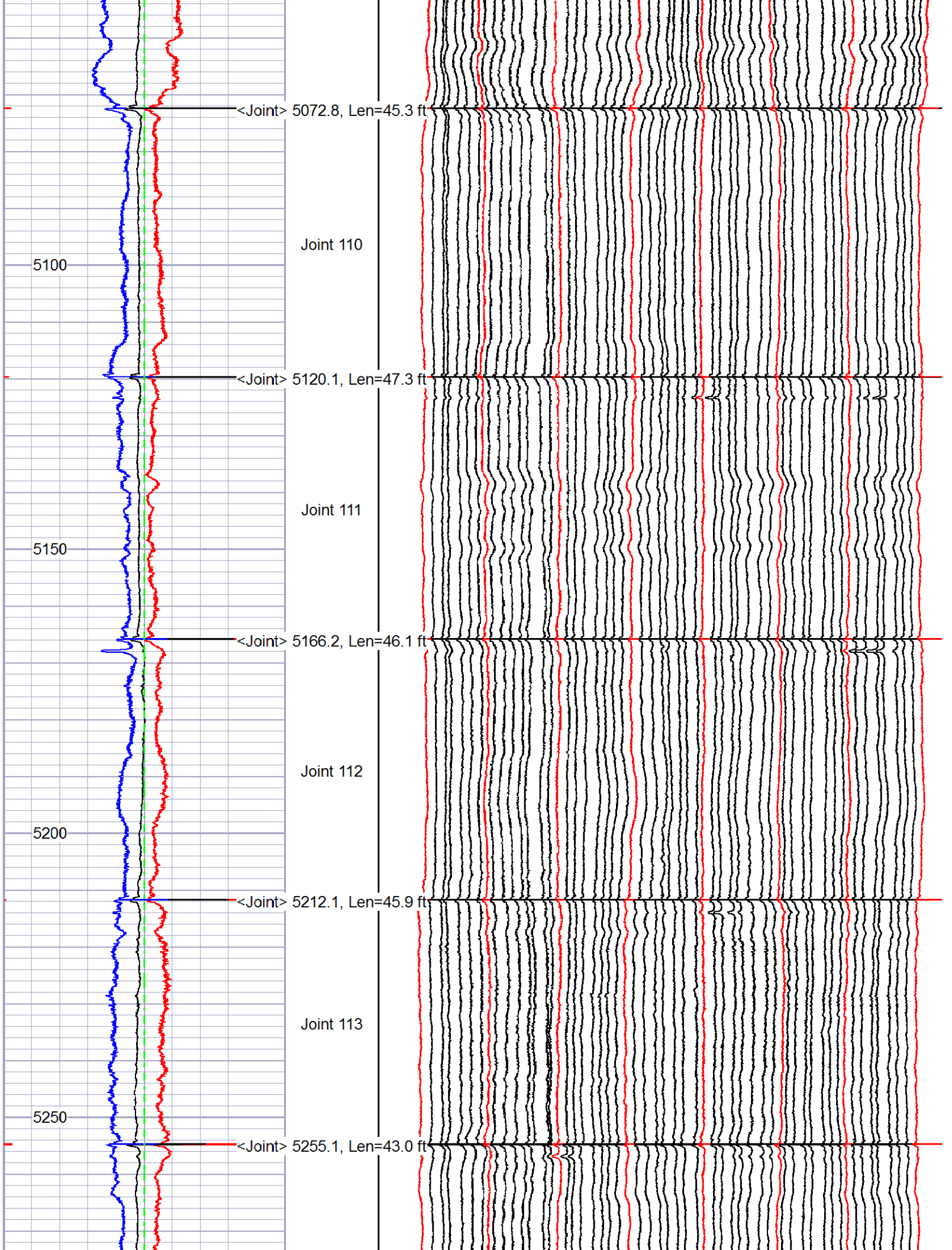
Joint 109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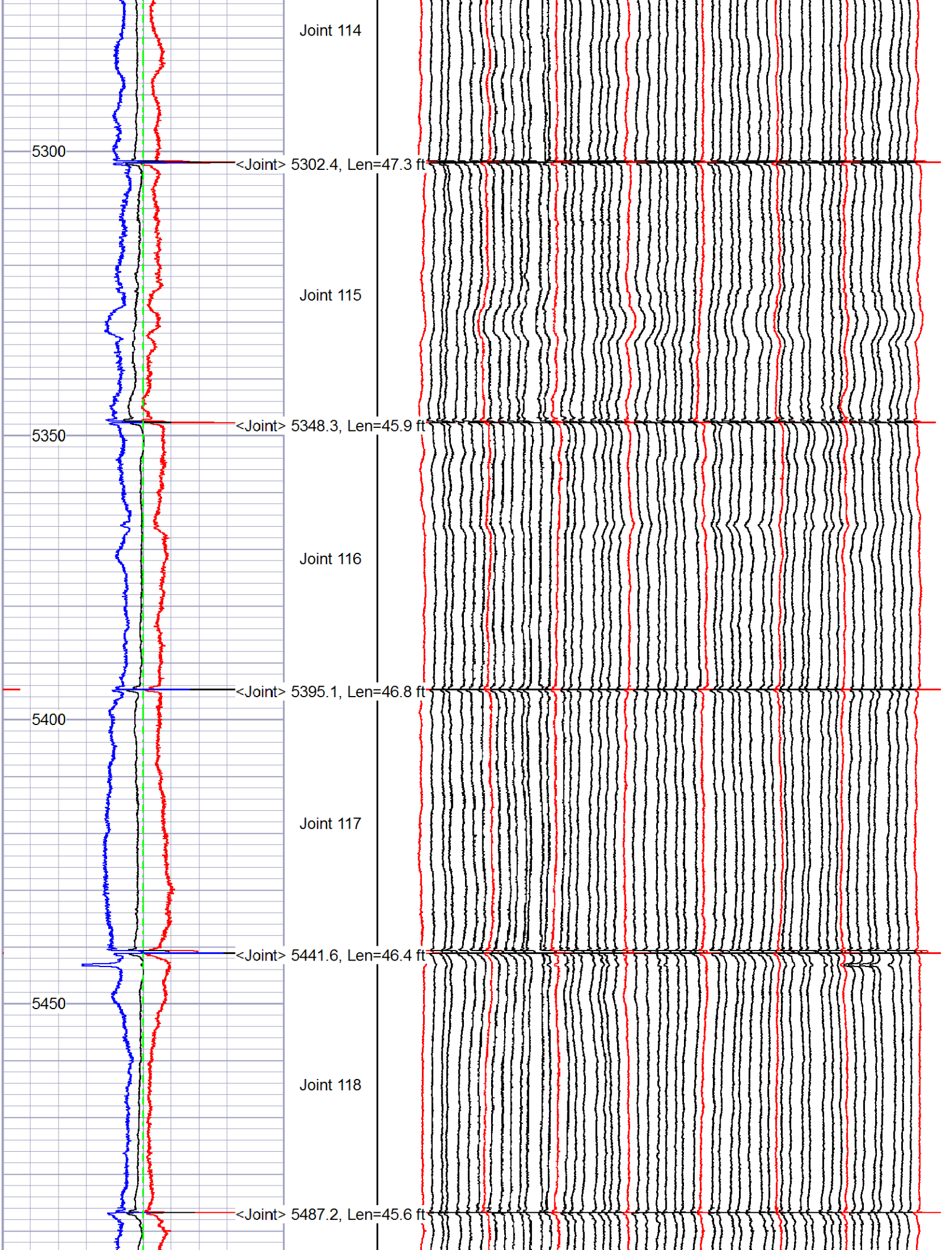
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<Joint> 5395.1, Len=46.8 ft
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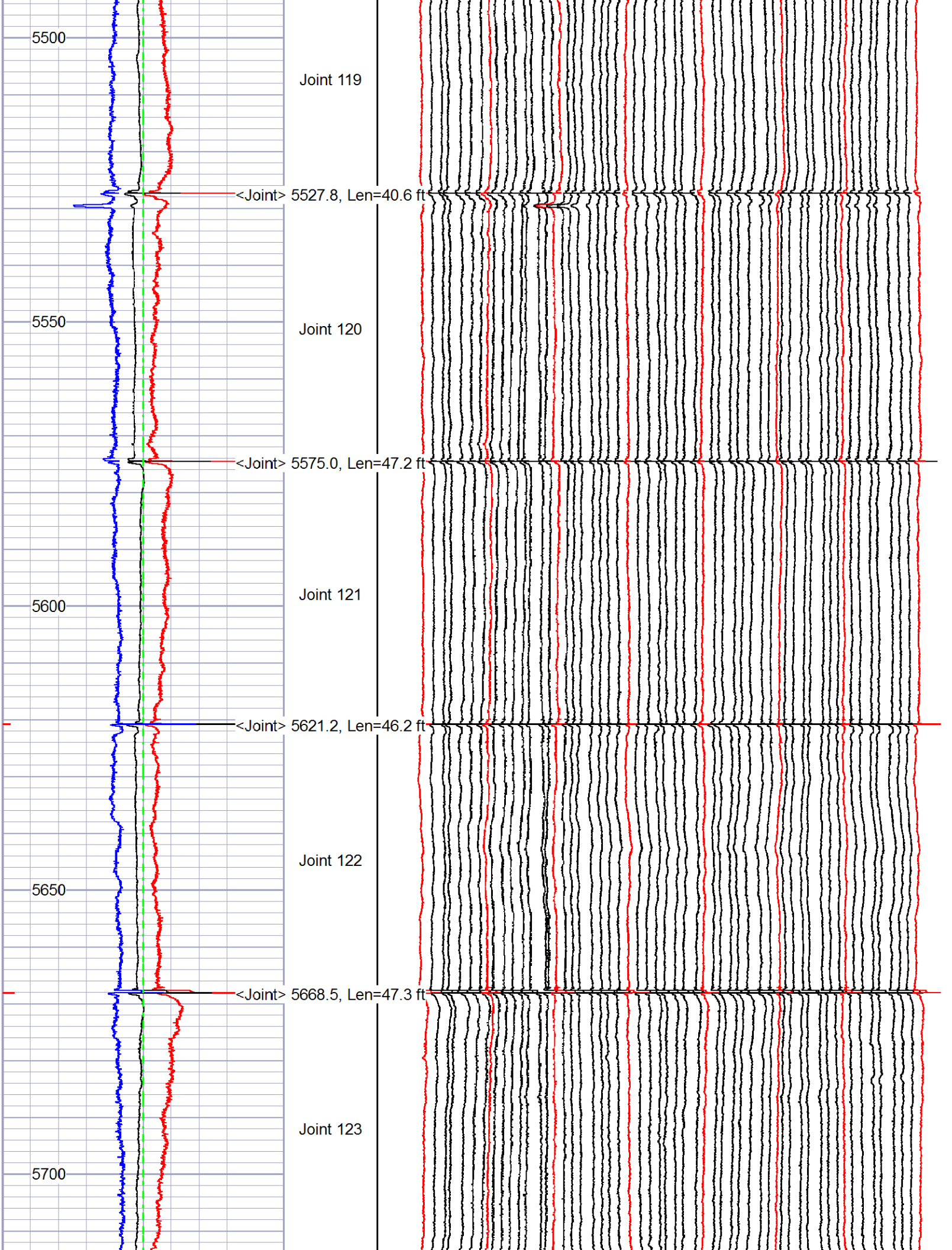
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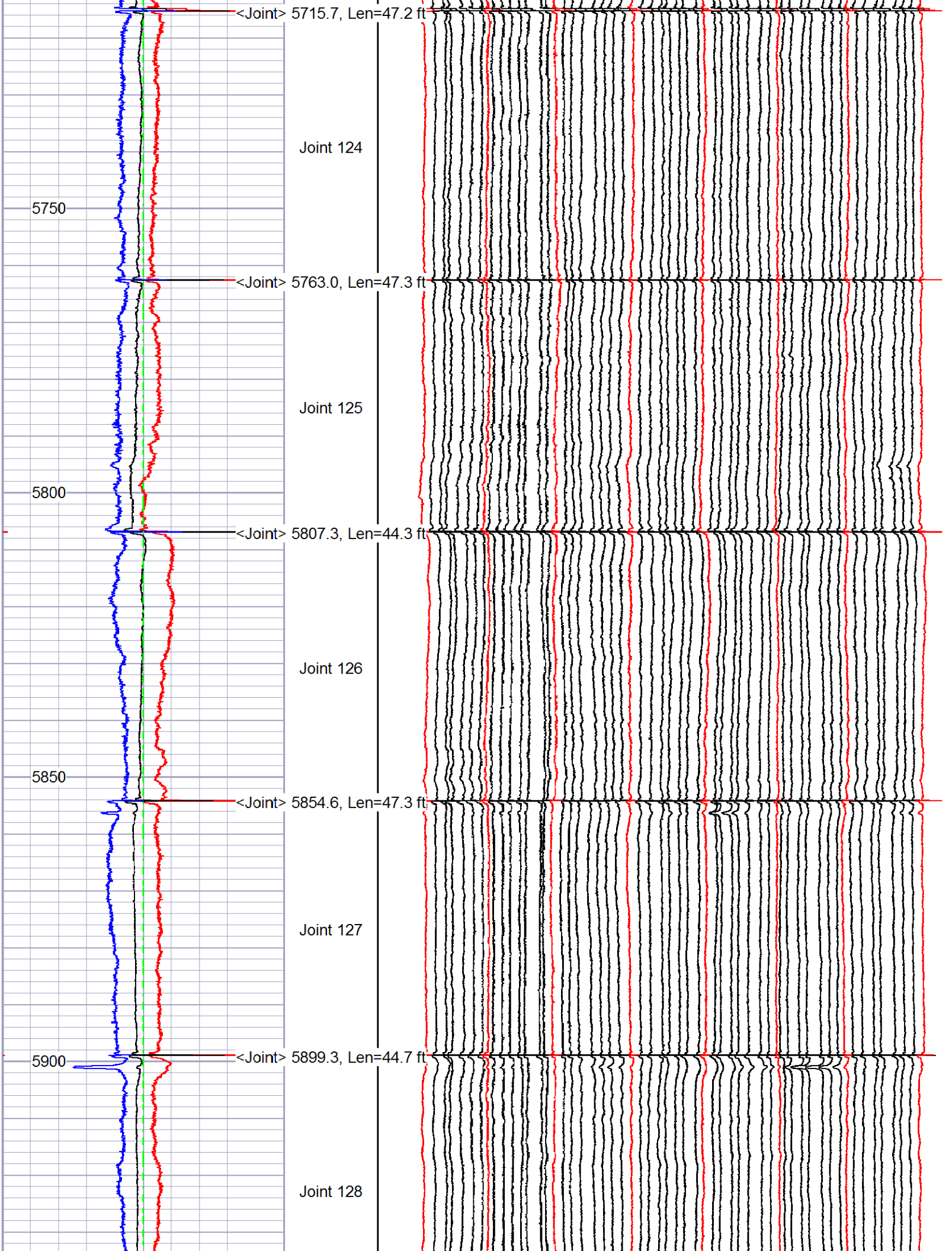
Joint 123
5700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Joint 127
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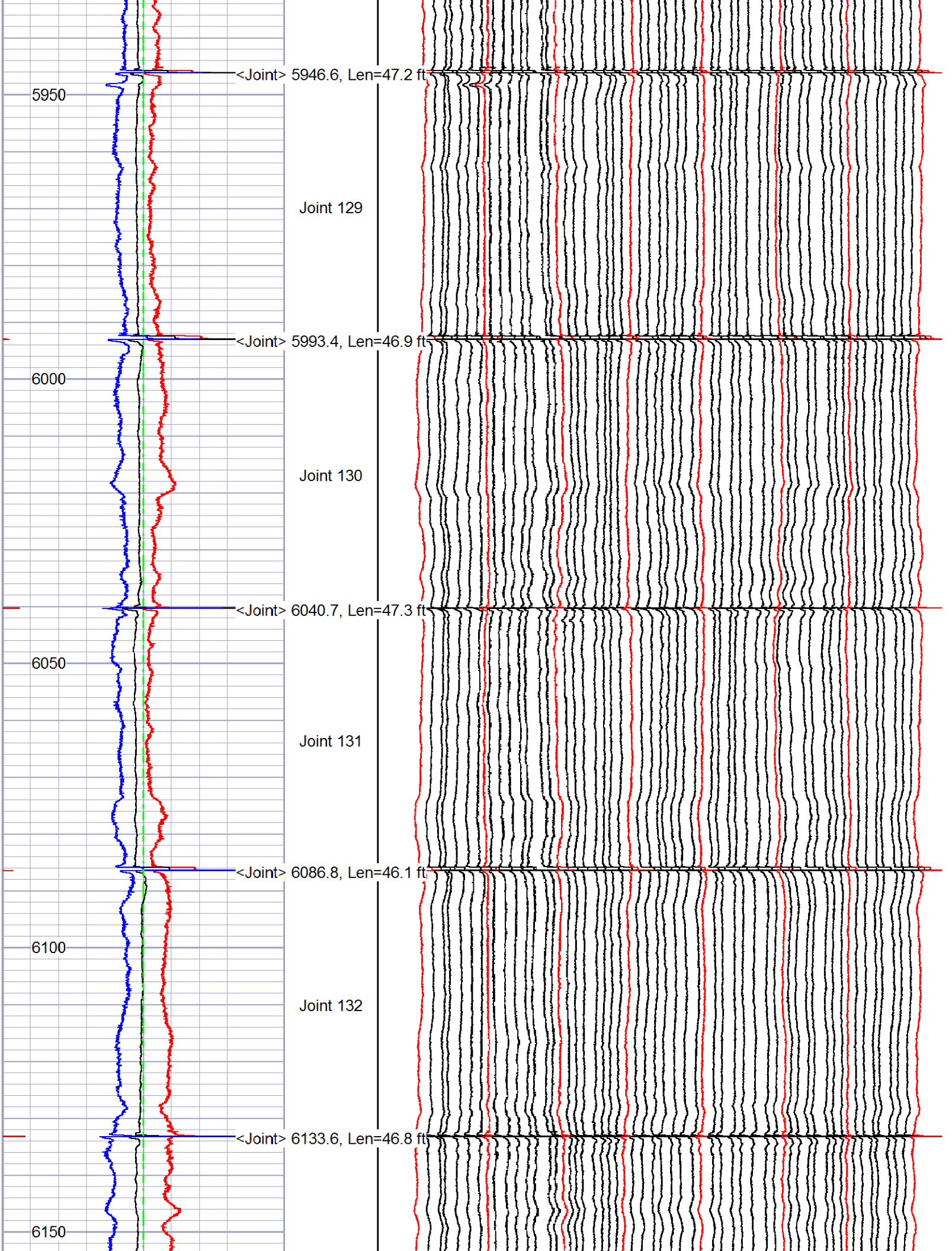
<Joint> 5899.3, Len=44.7 ft
Joint 128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Joint 130
<Joint> 6040.7, Len=47.3 ft
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Joint 131
<Joint> 6086.8, Len=46.1 ft
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Joint 132
<Joint> 6133.6, Len=46.8 ft
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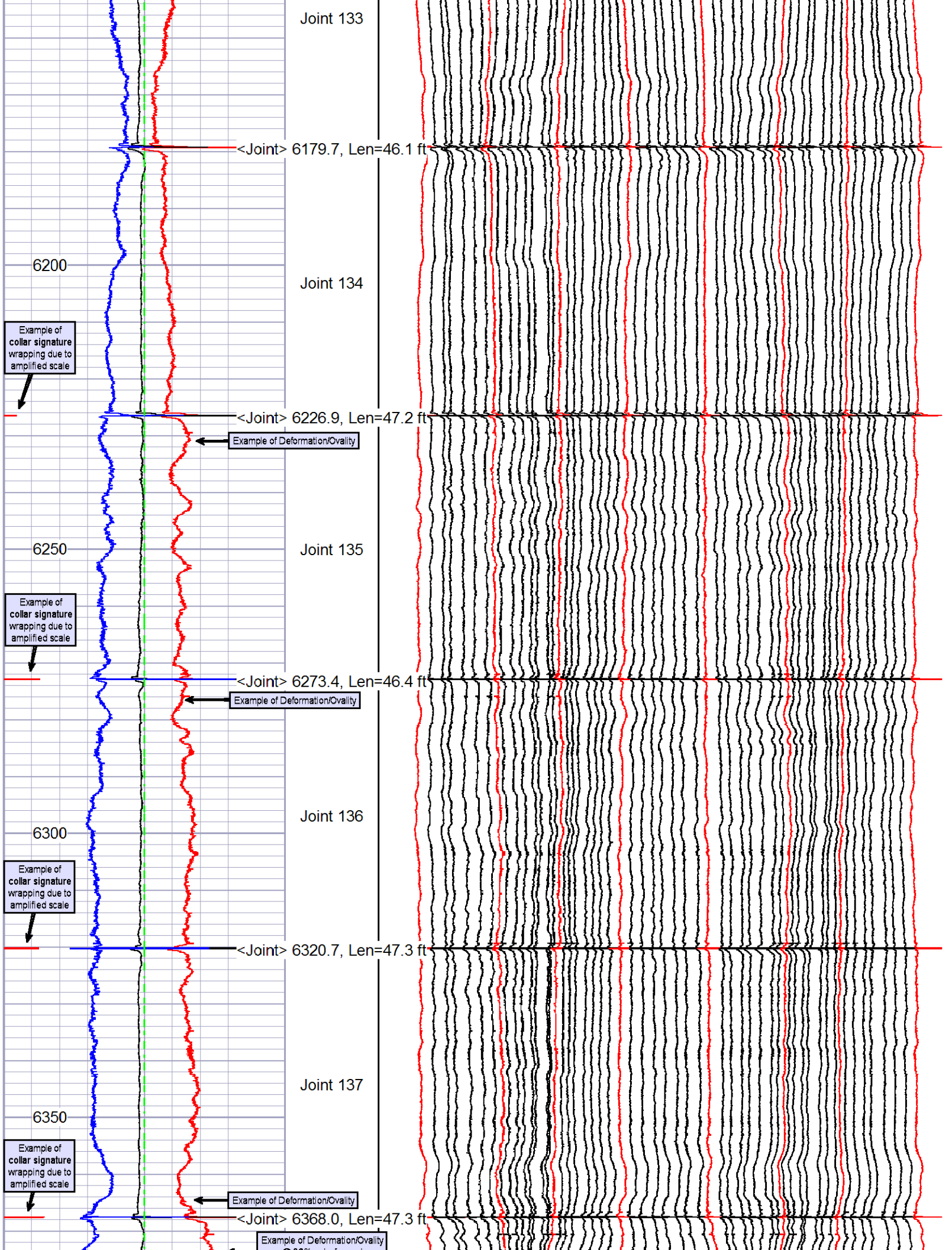
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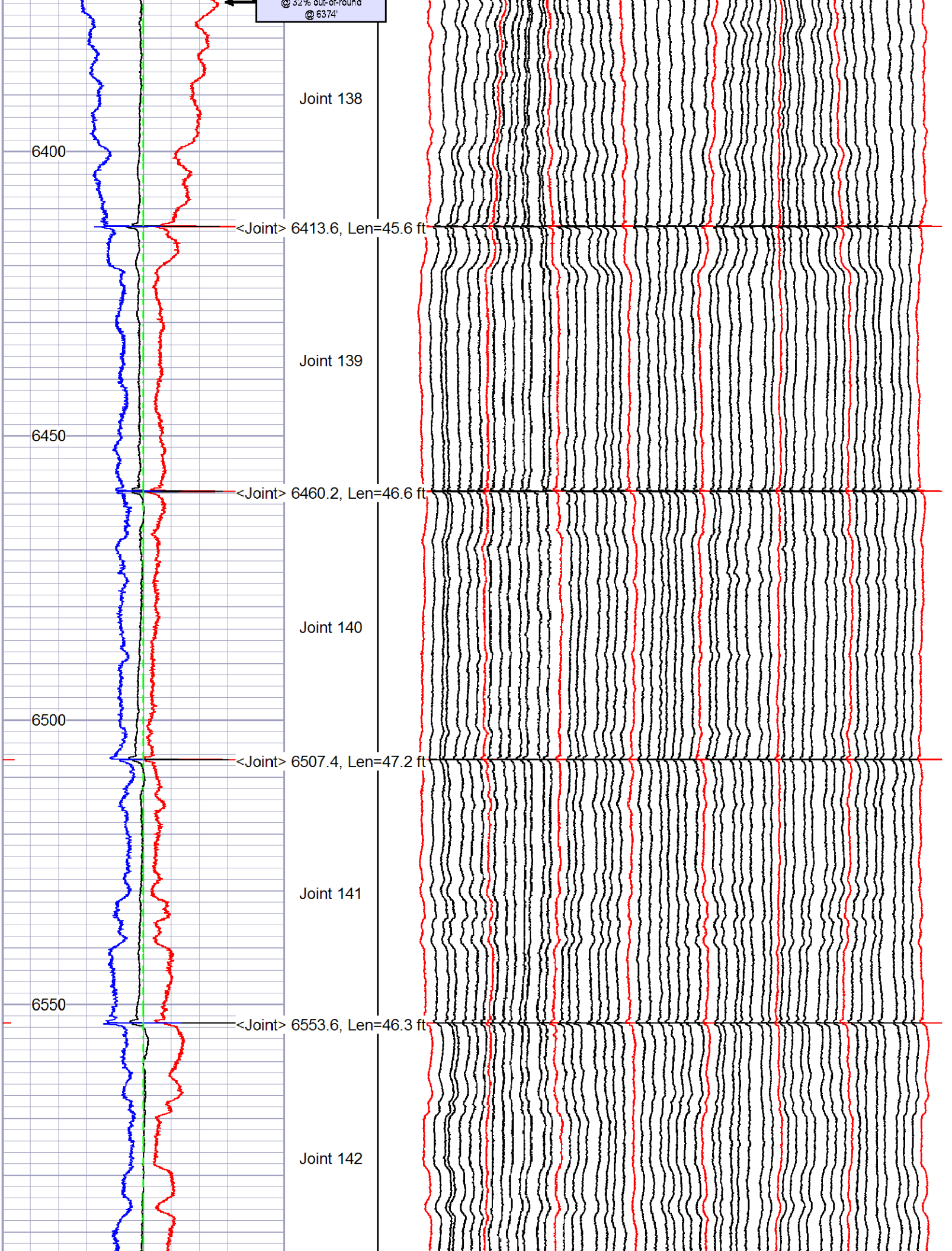
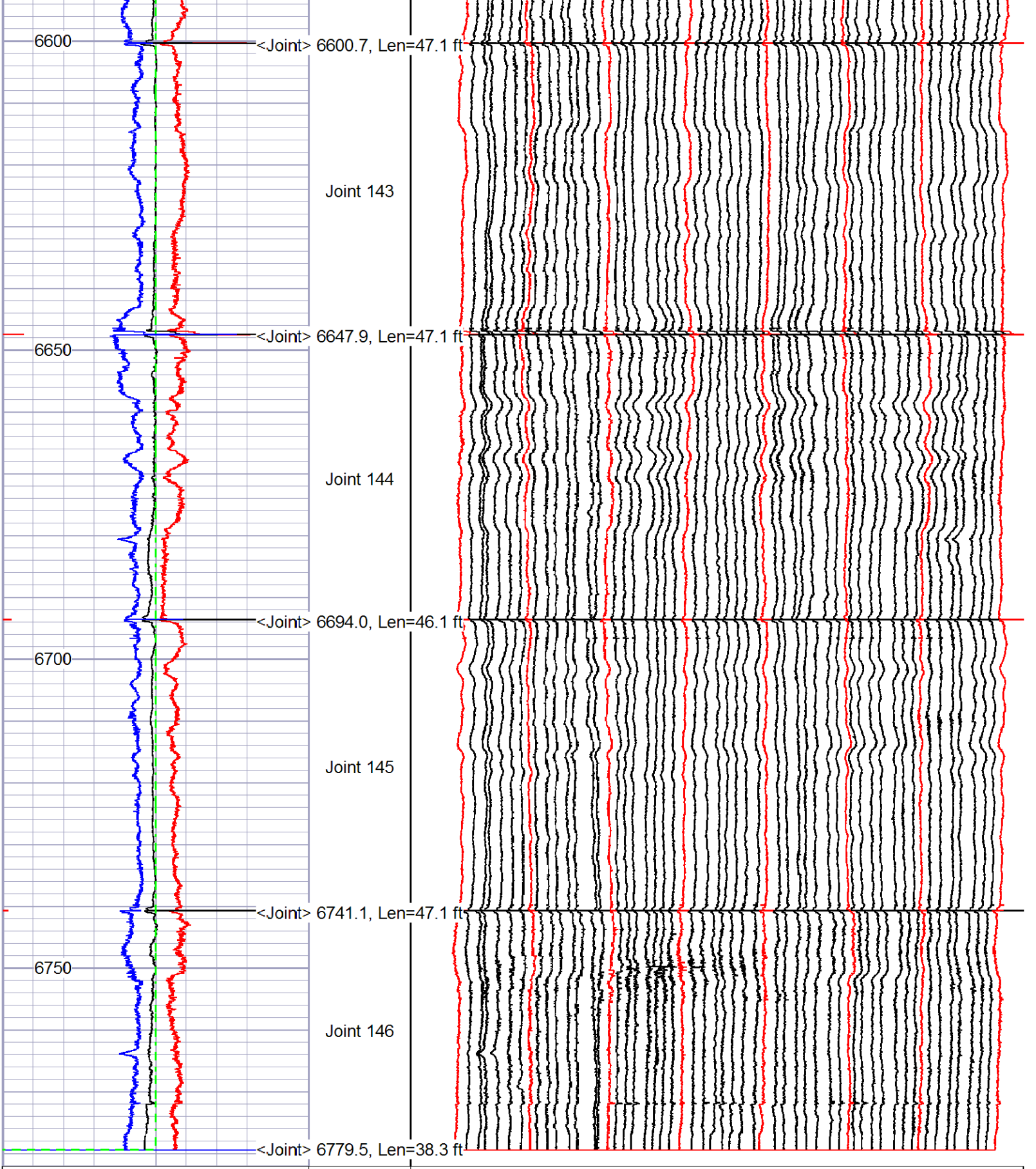
Joint 134
Example of collar signature wrapping due to amplified scale
<Joint> 6226.9, Len=47.2 ft
Example of Deformation/Ovality
6250
Joint 135
Example of collar signature wrapping due to amplified scale
<Joint> 6273.4, Len=46.4 ft
Example of Deformation/Ovality
Joint 136
6300
Example of collar signature wrapping due to amplified scale
<Joint> 6320.7, Len=47.3 ft
Joint 137
6350
Example of collar signature wrapping due to amplified scale
Example of Deformation/Ovality
<Joint> 6368.0, Len=47.3 ft
Example of Deformation/Ovality


@ 32% out-of-round
@ 6374'
Joint 138
6400
<Joint> 6413.6, Len=45.6 ft
Joint 139
6450
<Joint> 6460.2, Len=46.6 ft
Joint 140
6500
<Joint> 6507.4, Len=47.2 ft
Joint 141
6550
<Joint> 6553.6, Len=46.3 ft
Joint 142



8.255	Maximum - ID (in)	9.255	PTANN	4.1275	56 FINGER TRACE (in)	7.2275
8.255	Average - ID (in)	9.255				
8.255	Minimum - ID (in)	9.255				
8.255	Nominal - ID (in)	9.255				