PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

Company	Carmen Schmitt, Inc.
Well	Depe #1-12
Field	Wildcat
County	Thomas State Kansas
API No.	15-193-20,930-00-00

Location: SE SW NE NW
1212' FNL & 1663' FWL
Sec: 12 Twp: 7S Rge: 32W

Other Services: CNL/CDL, MEL/DIL

Permanent Datum	Ground Level	Elevation 2991	Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 2996
Drilling Measured From	Kelly Bushing		D.F.
			G.L. 2991

Date	8/22/2014
Run Number	Two
Type Log	BHC Sonic
Depth Driller	4610
Depth Logger	4614
Bottom Logged Interval	4603
Top Logged Interval	250
Type Fluid In Hole	Chemical
Salinity, PPM CL	3000
Density	9.2
Level	Full
Max. Rec. Temp. F	122
Operating Rig Time	5 Hours
Equipment -- Location	15 Hays
Recorded By	D.Kerr
Witnessed By	Larry Nicholson

Borehole Record

Run No.	Bit	From	To
1	12.25	00	260
2	7.875	260	4610

Casing Record

Size	Wgt.	From	To
8.625	24#	00	260

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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

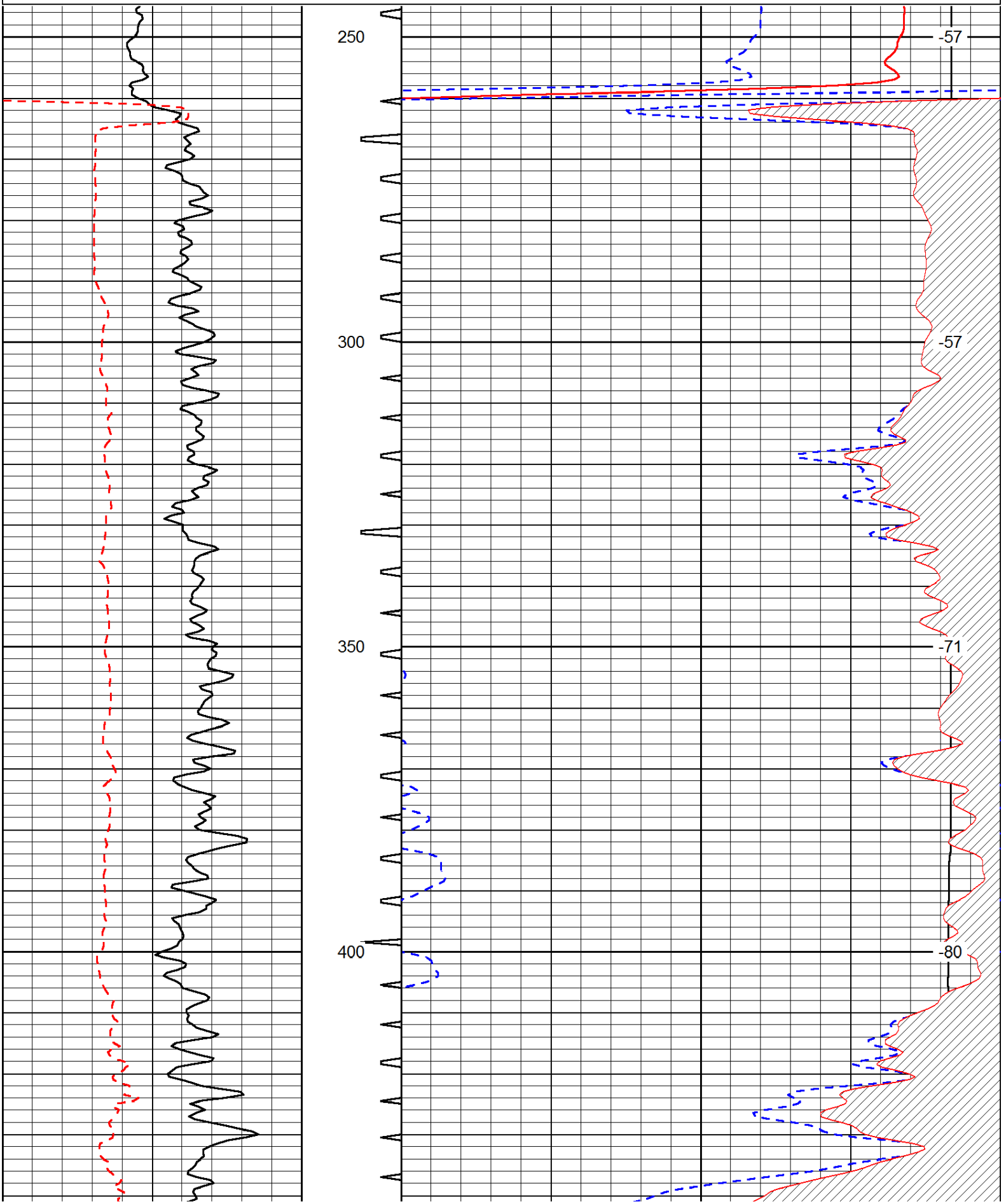
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

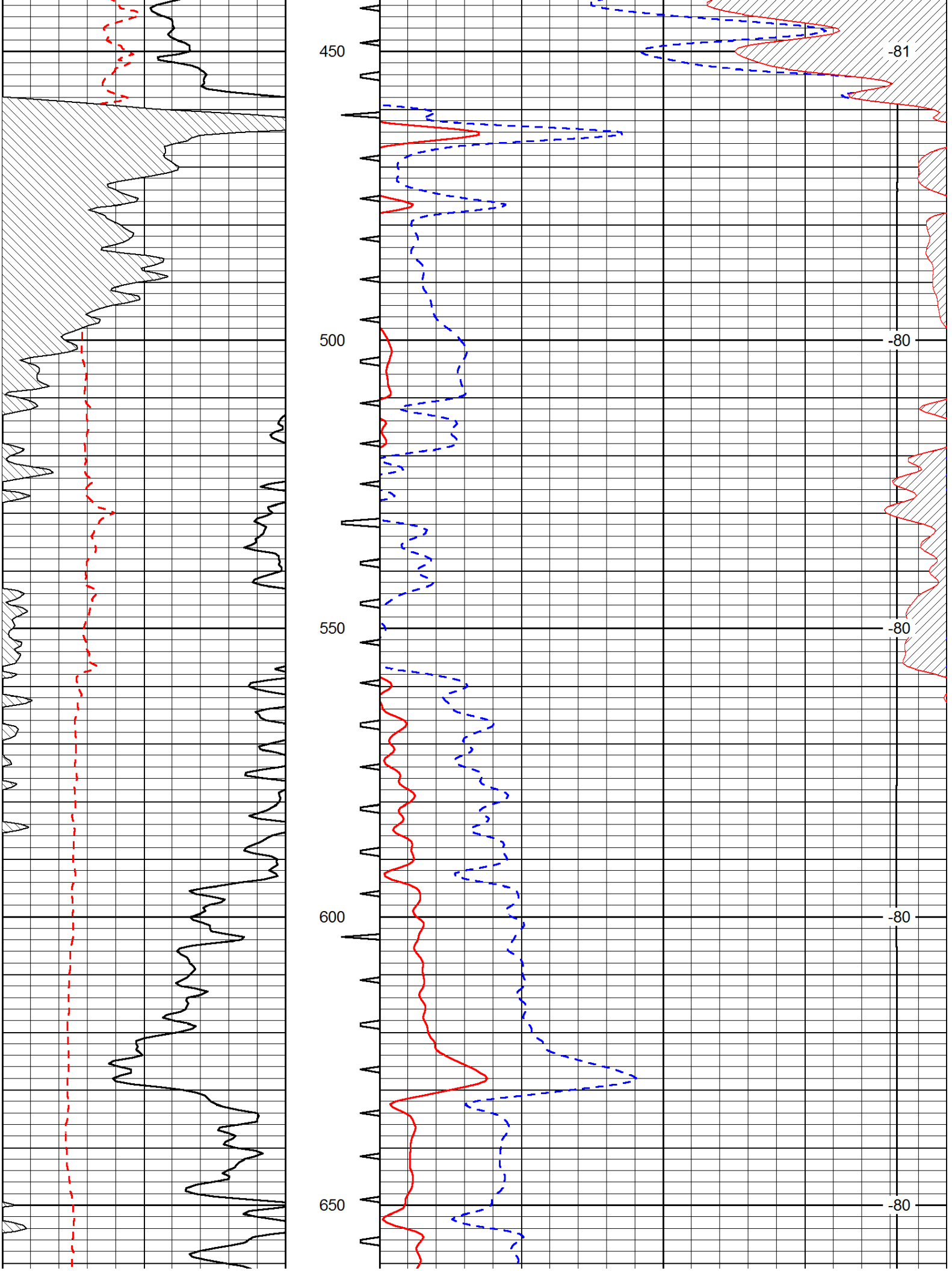
Oakley KS North on HWY 83 to HWY 24,
4 NorthEast to 30 RD, 1 North, East and North Into

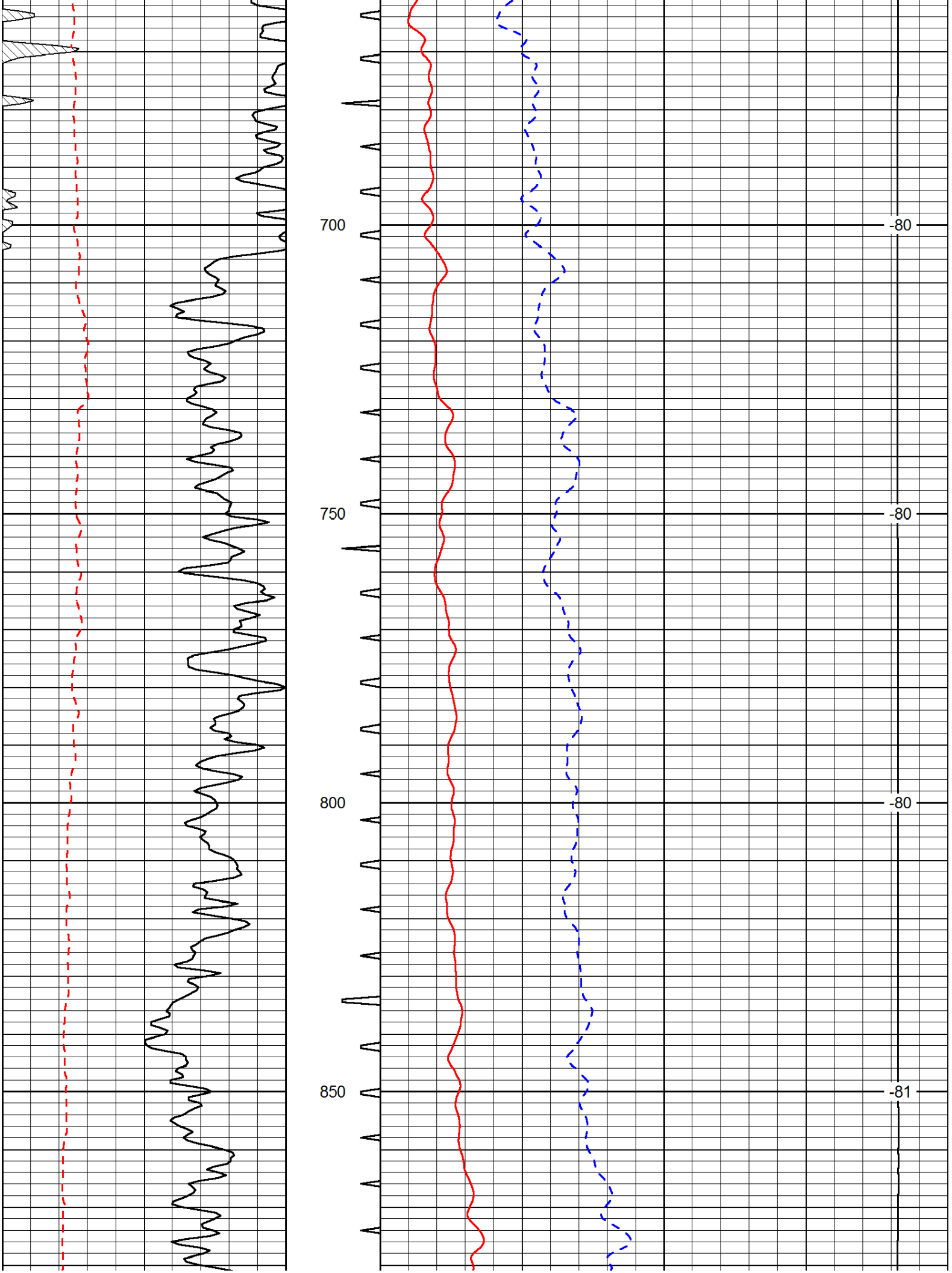
Database File:	c:\warrior\data\carmen schmitt_depe #1-12\carmenschmitt_depe_1_12hd.db
Dataset Pathname:	DIL/csstk
Presentation Format:	sonic
Dataset Creation:	Sat Aug 23 01:14:07 2014
Charted by:	Depth in Feet scaled 1:240

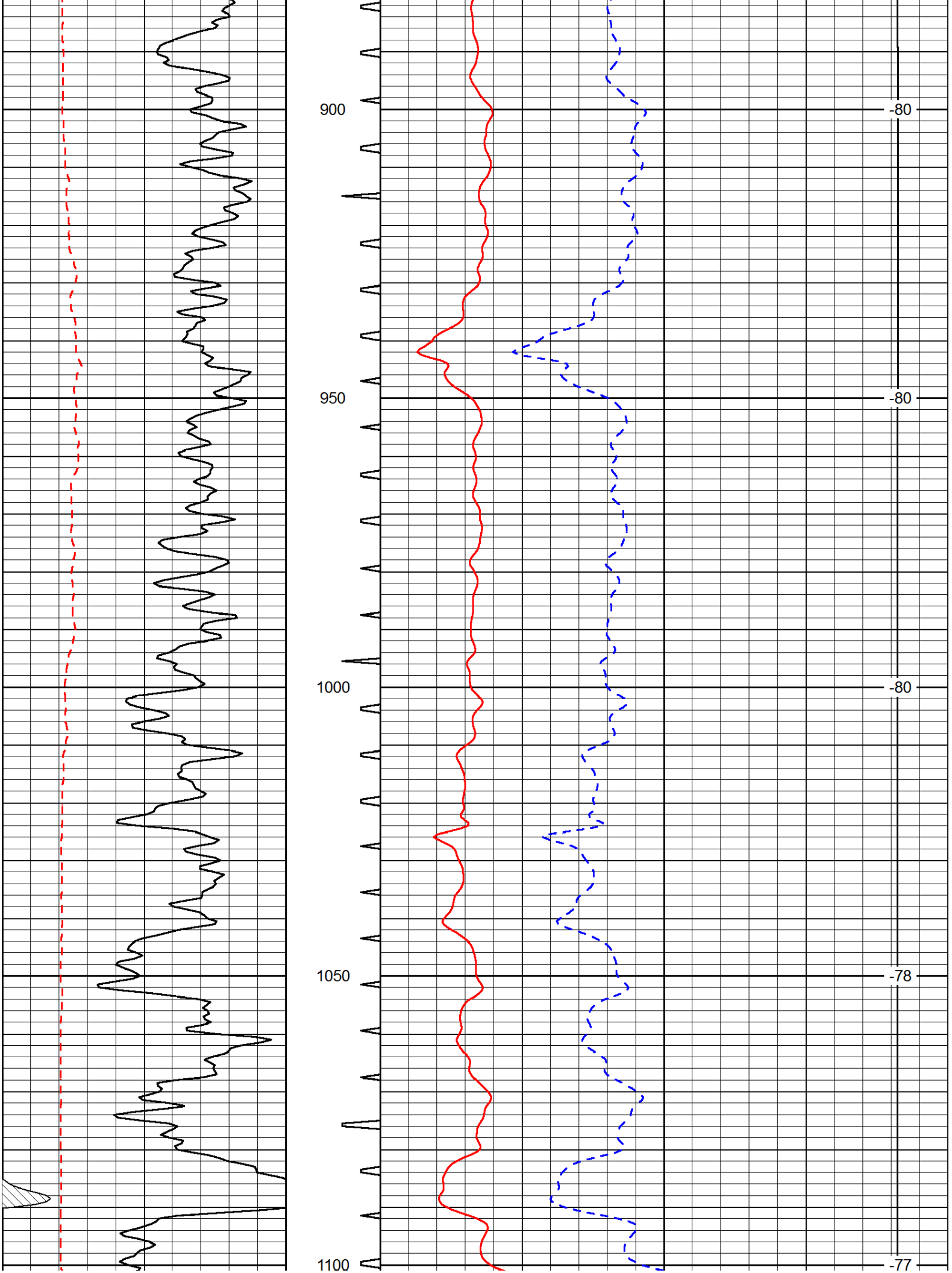
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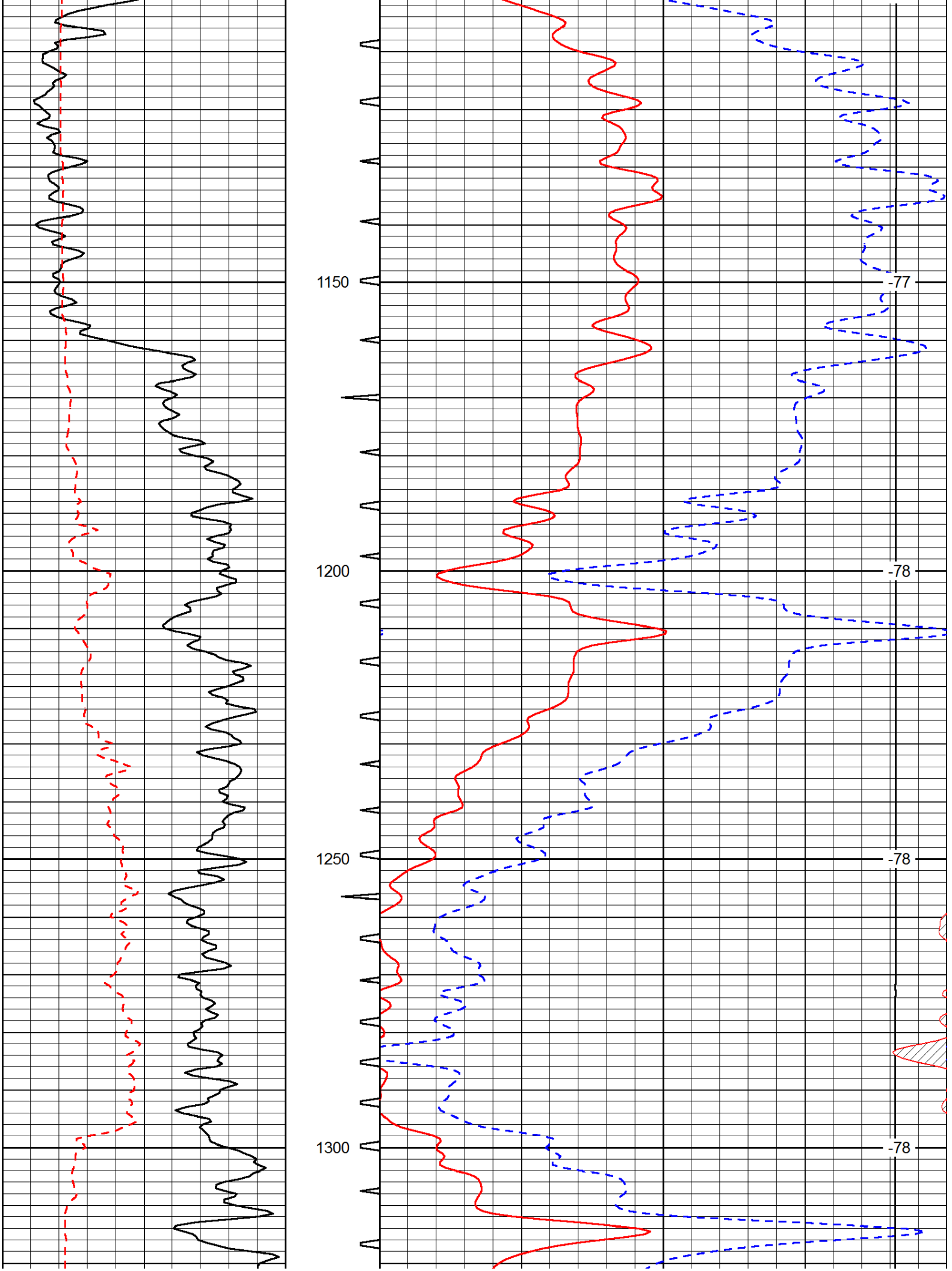
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40	
150	Gamma Ray	300	5 0	30	SPOR	-10	
6	Caliper (GAPI)	16		15000	LTEN (lb)	0	
							LSPD

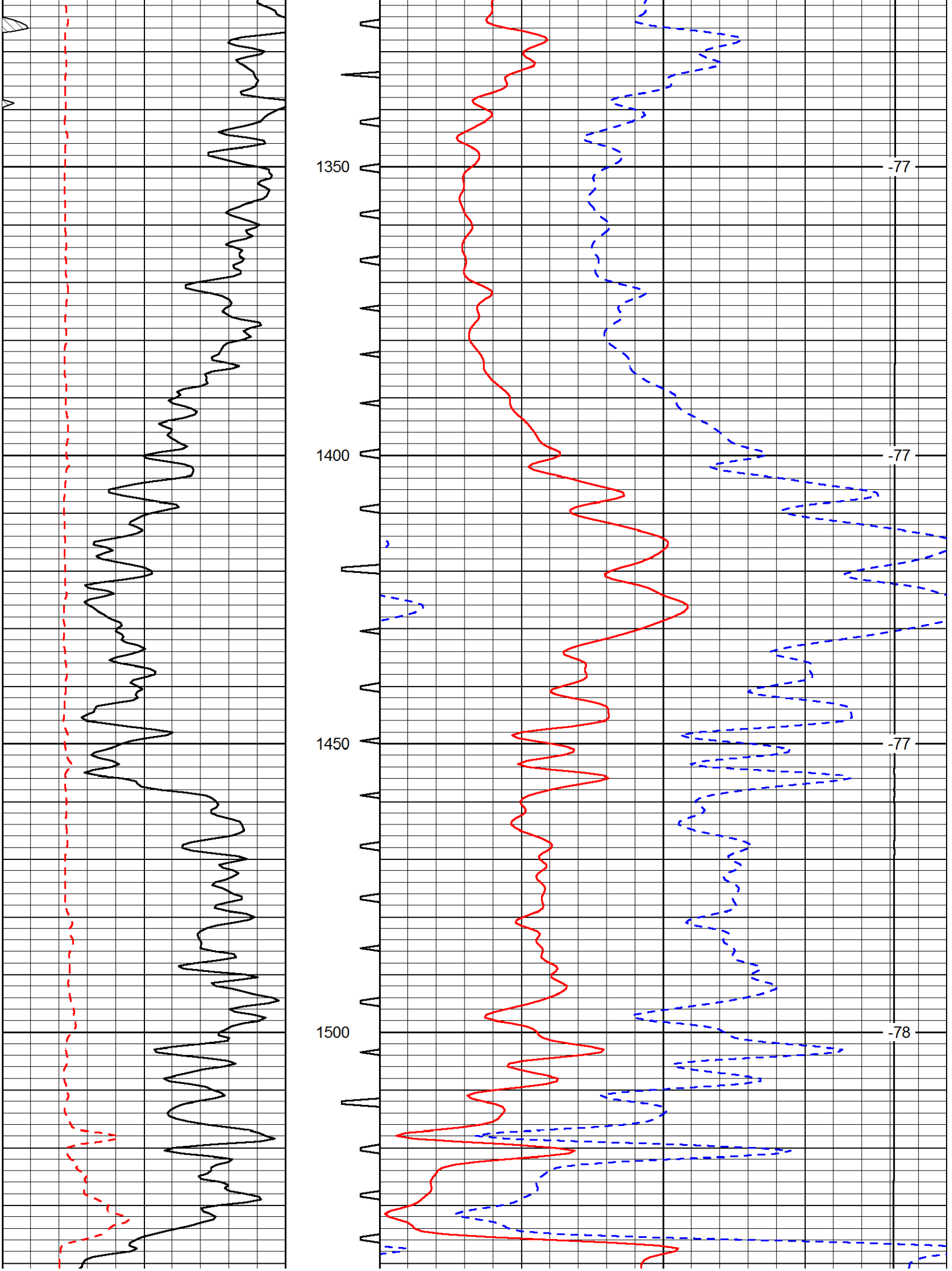


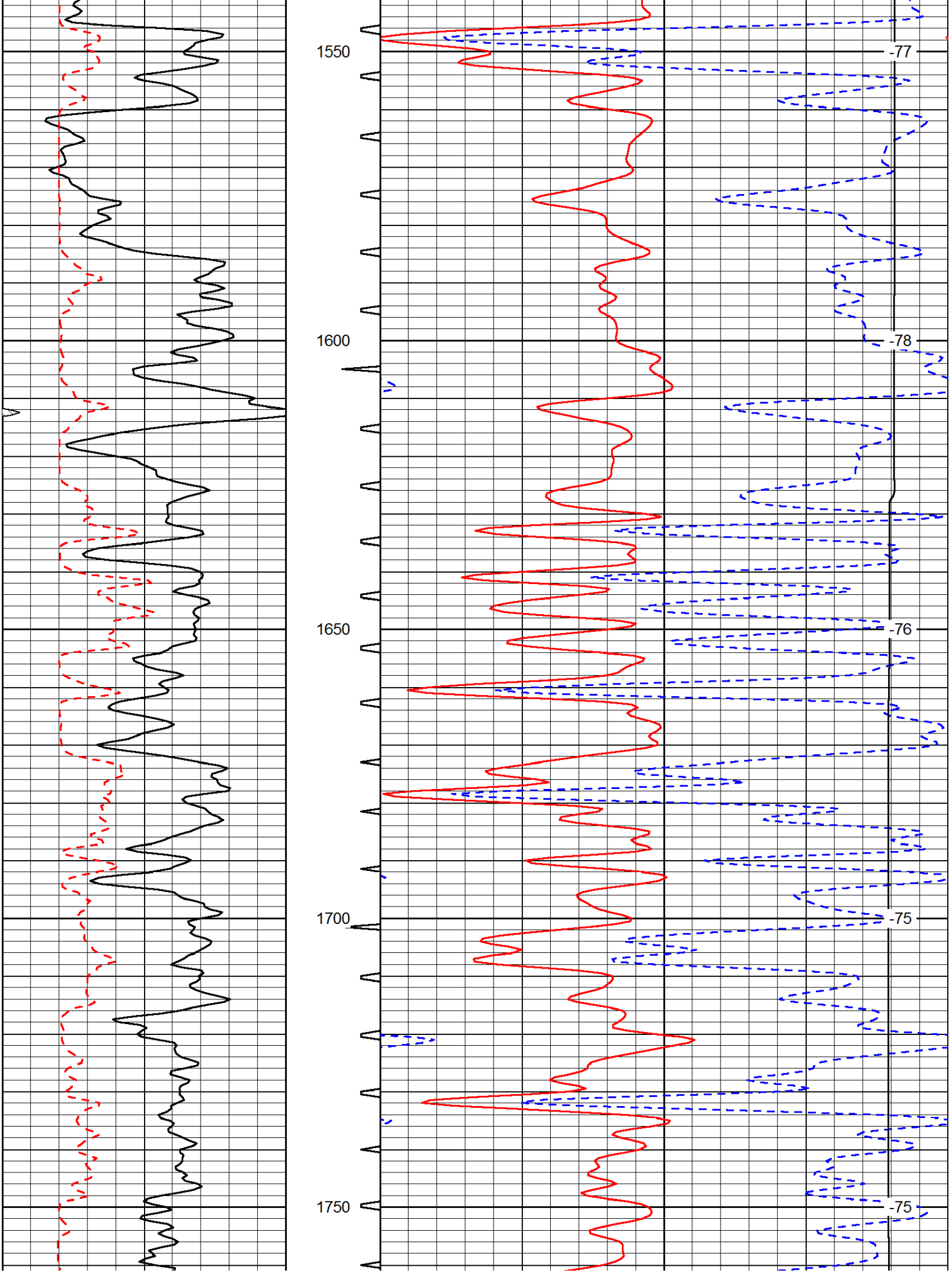

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500
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650
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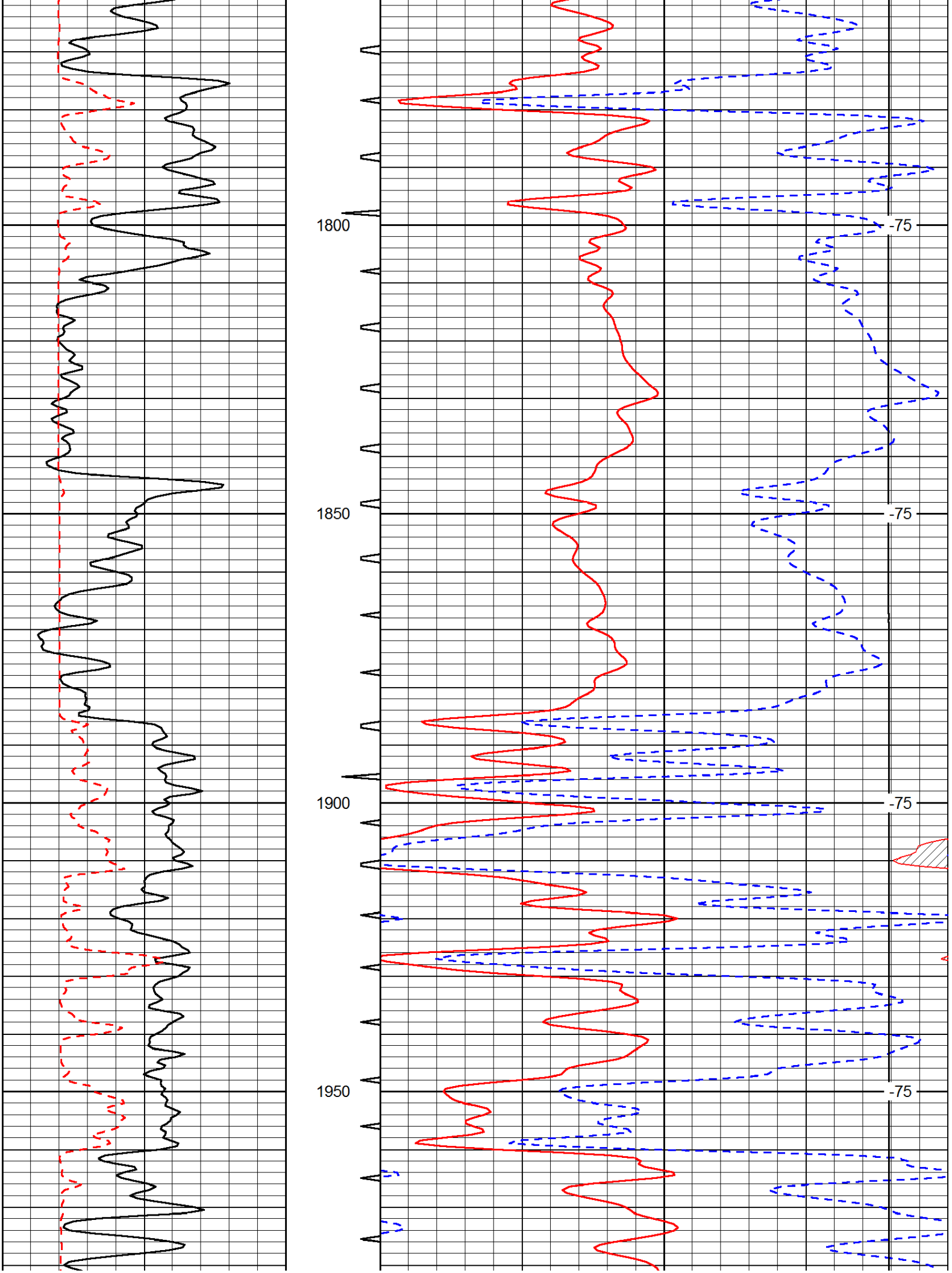

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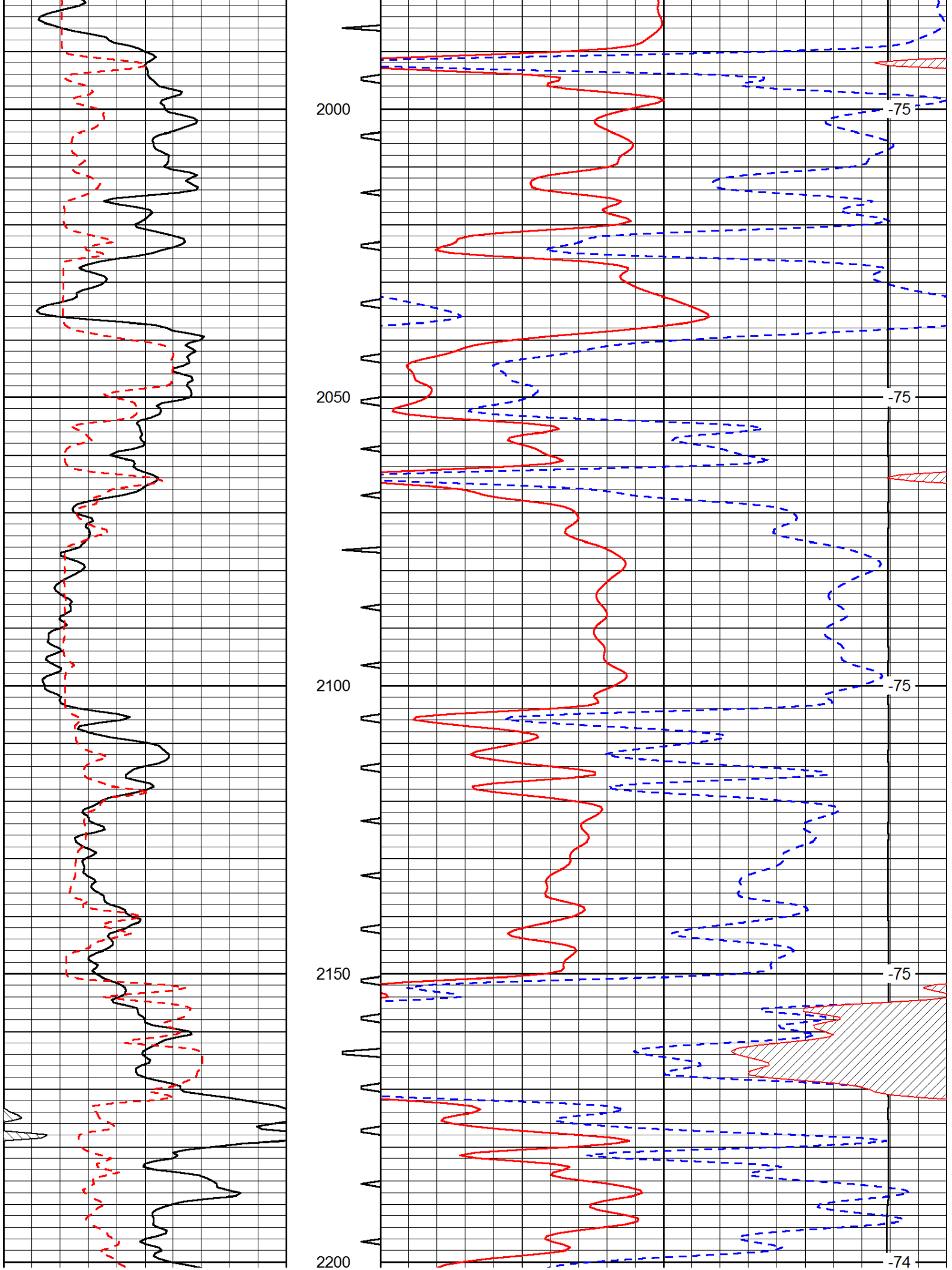

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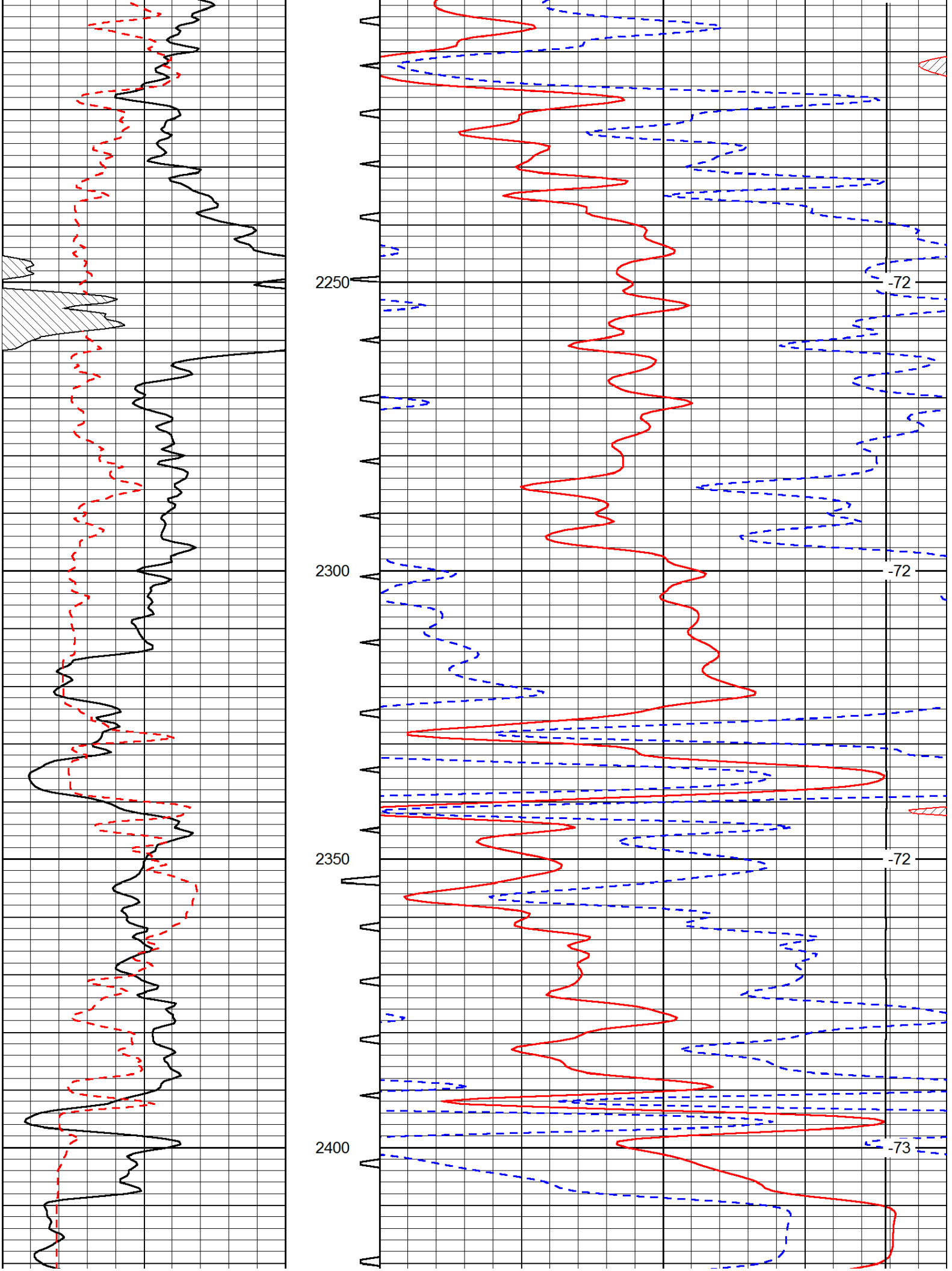

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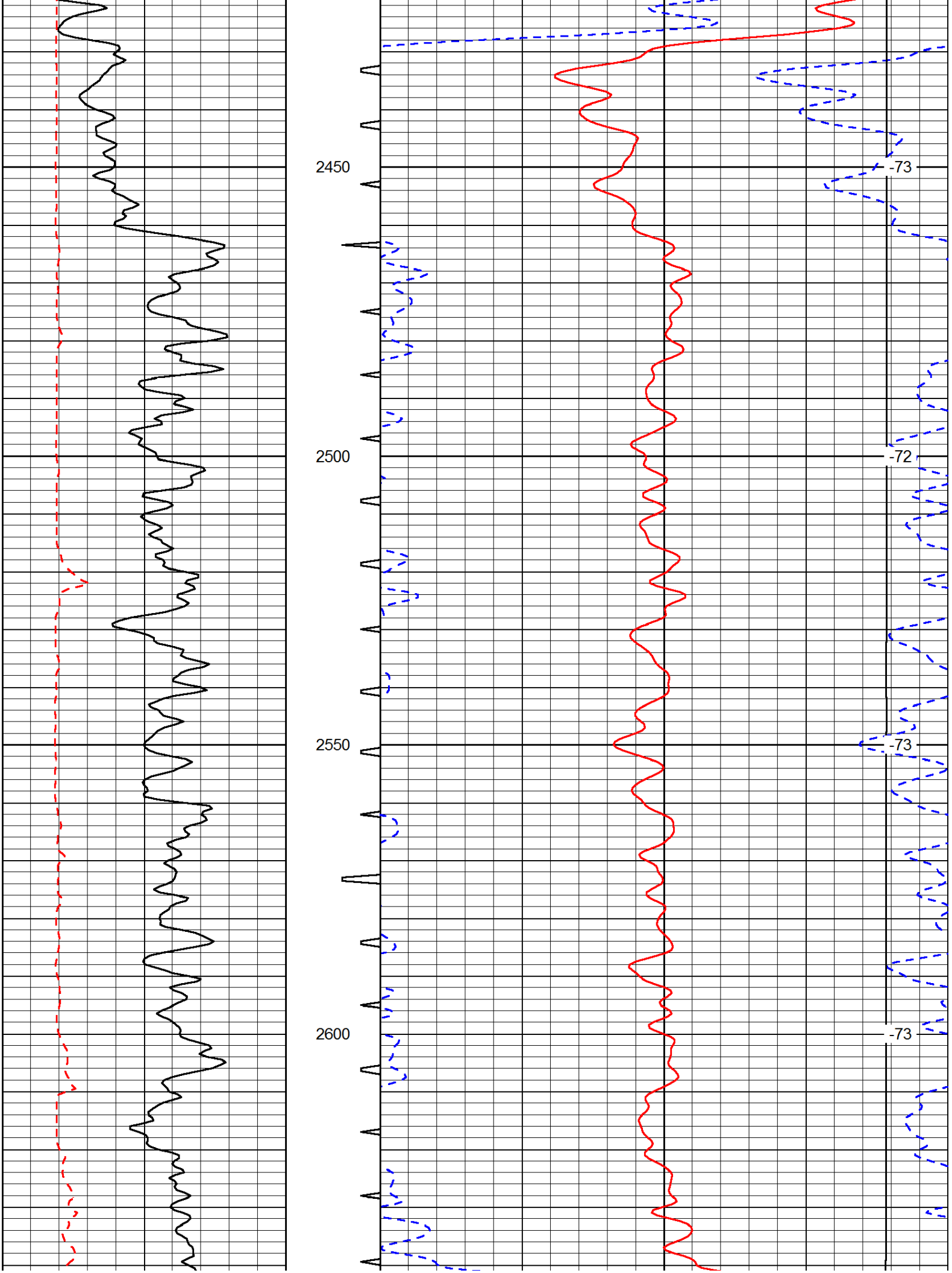

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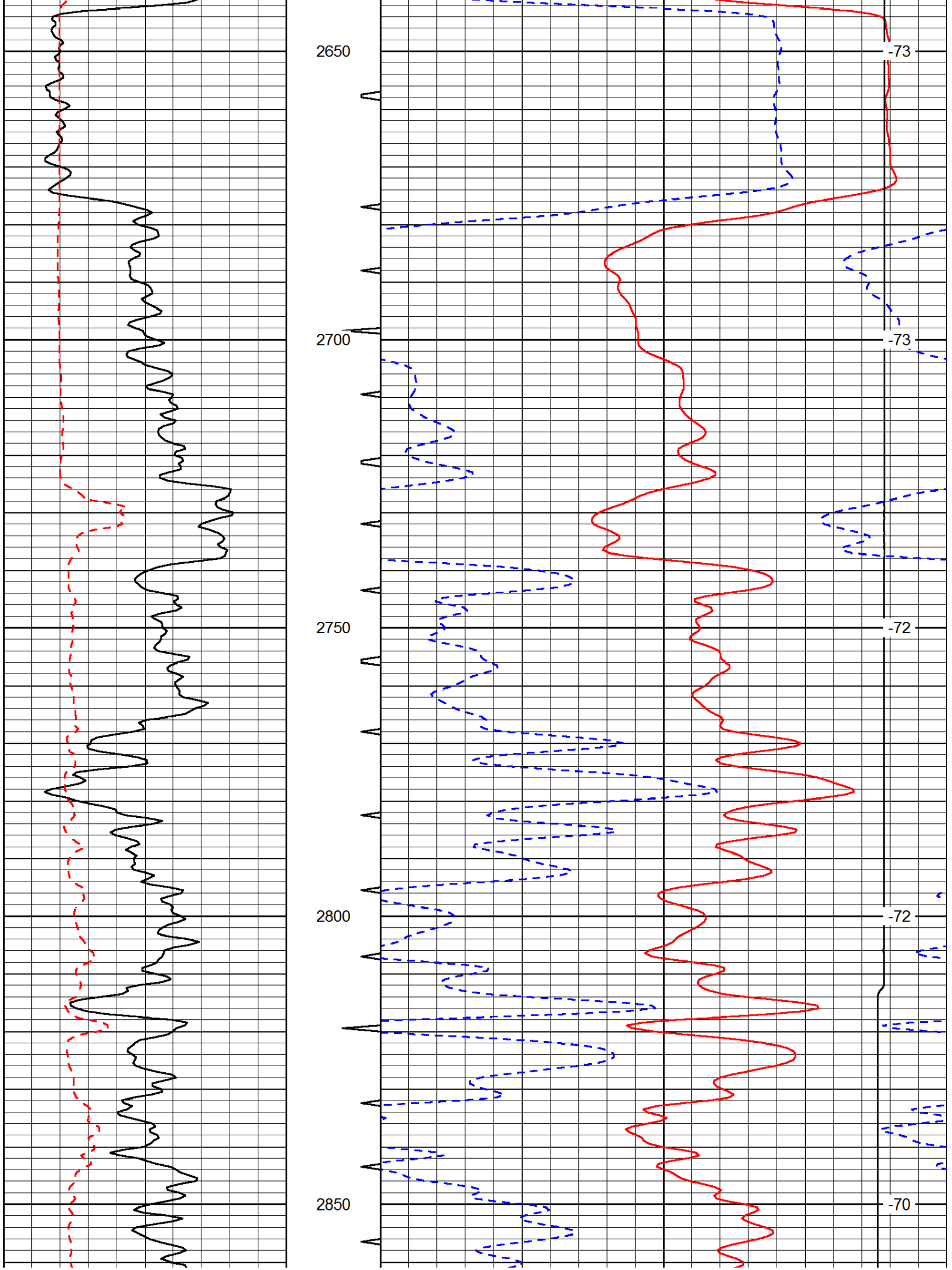

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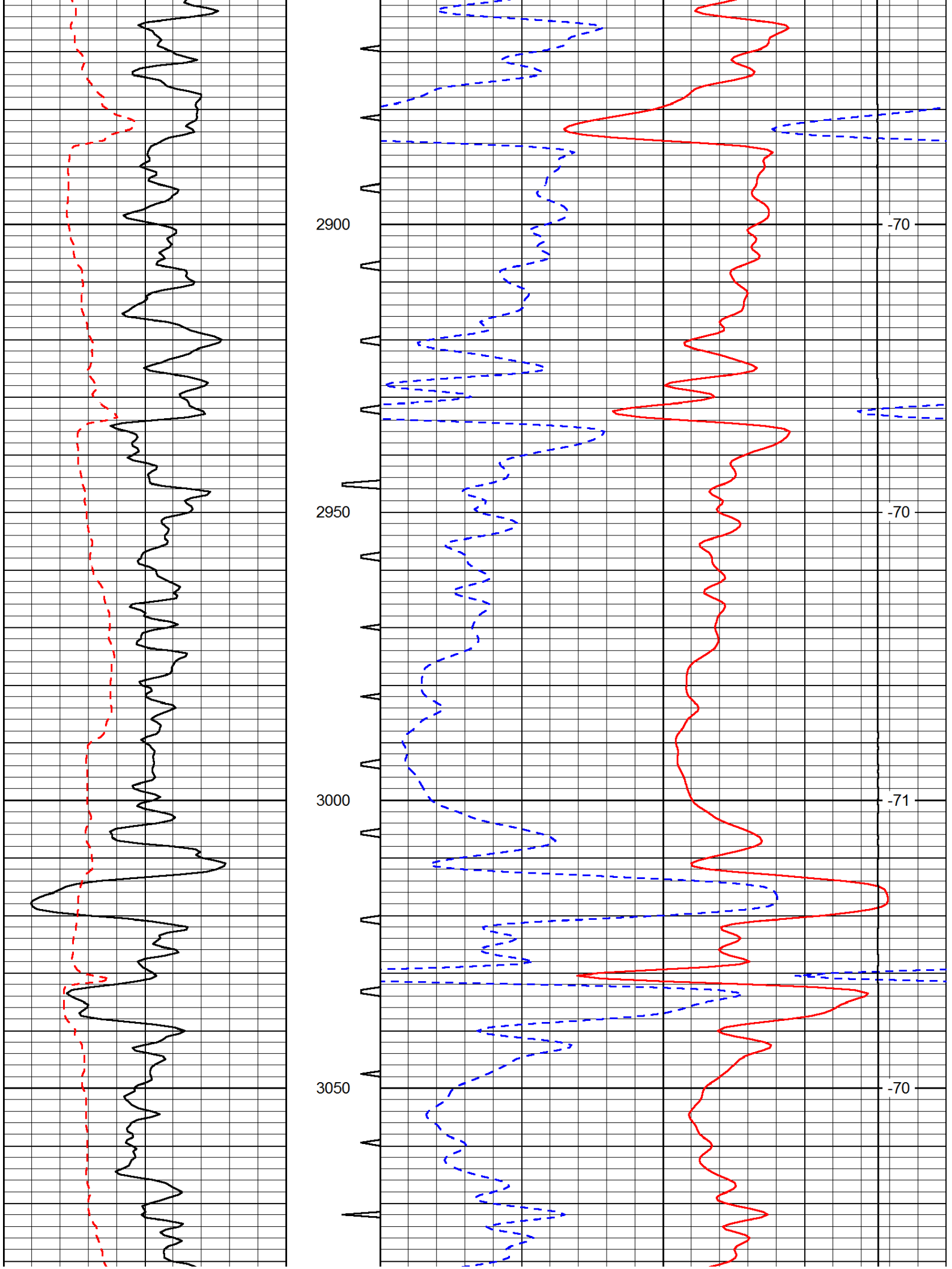

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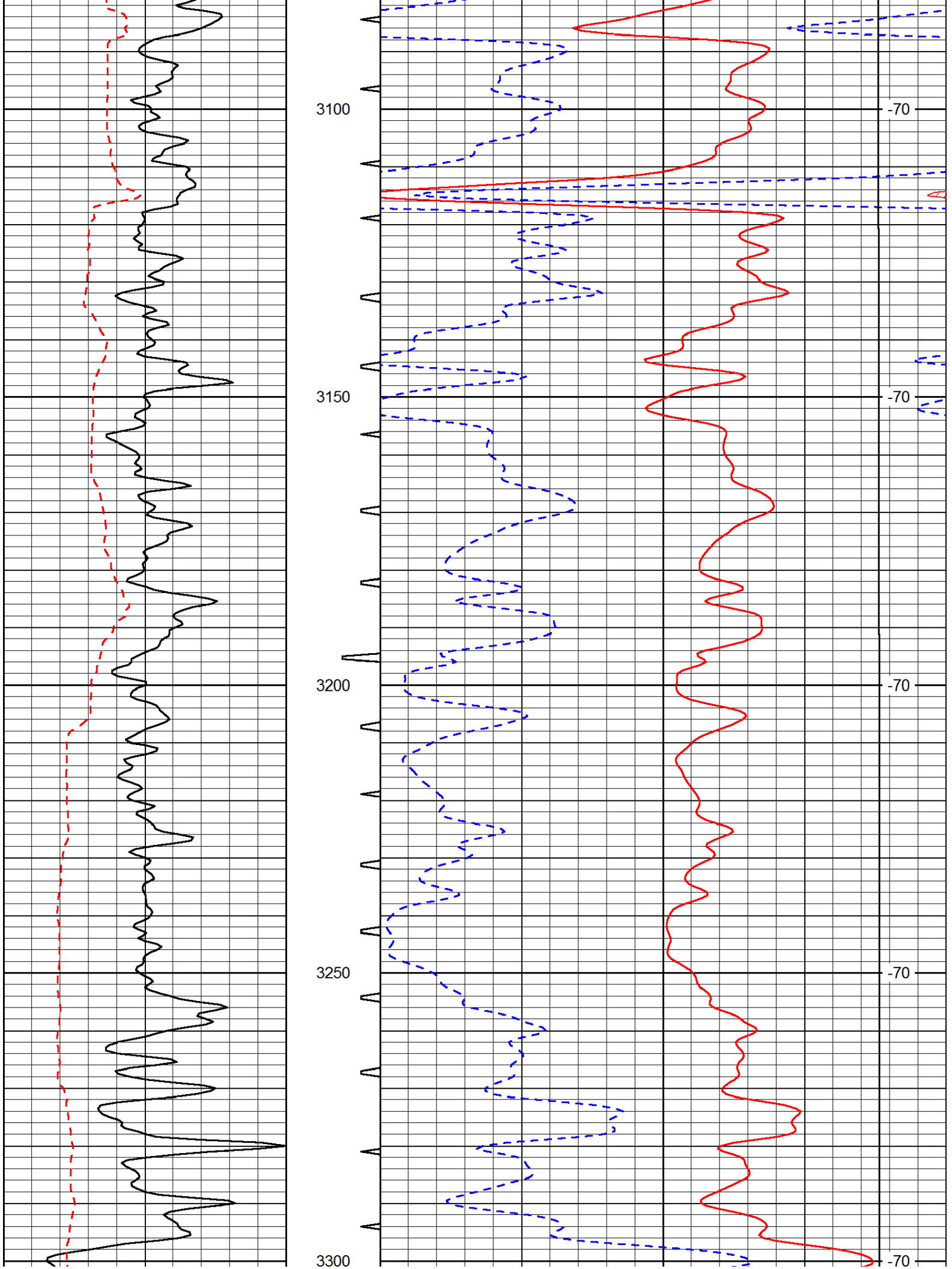

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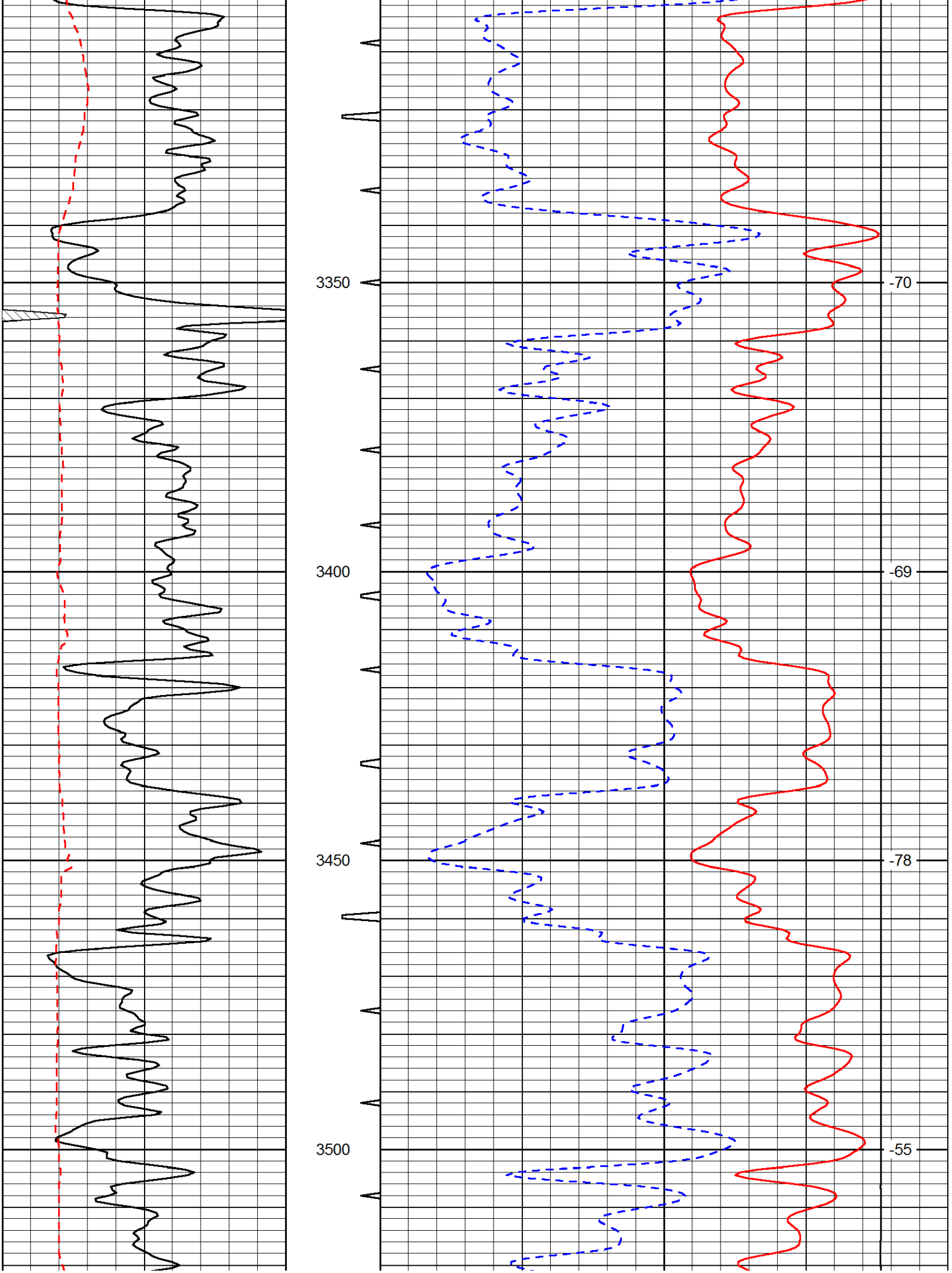

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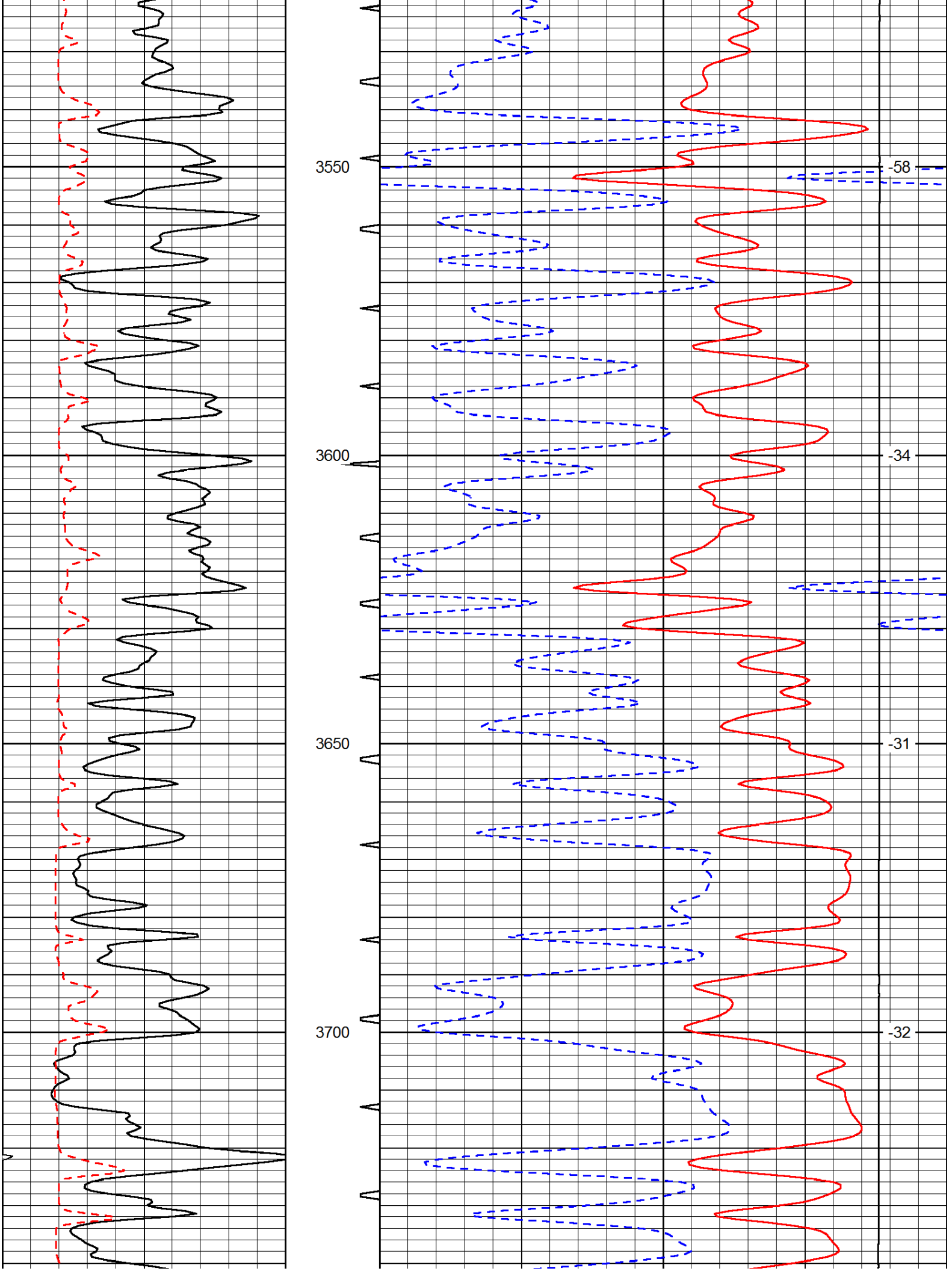

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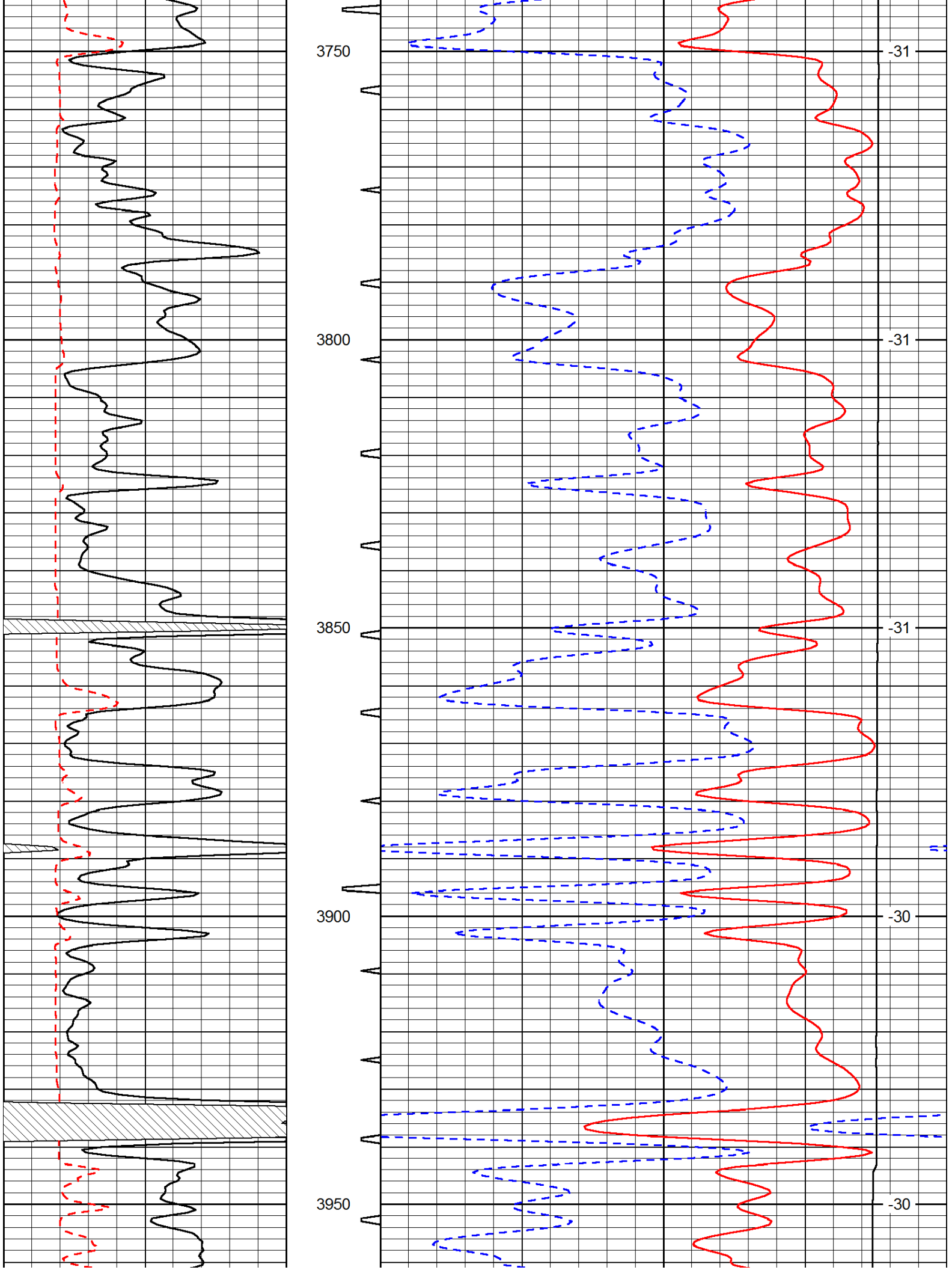

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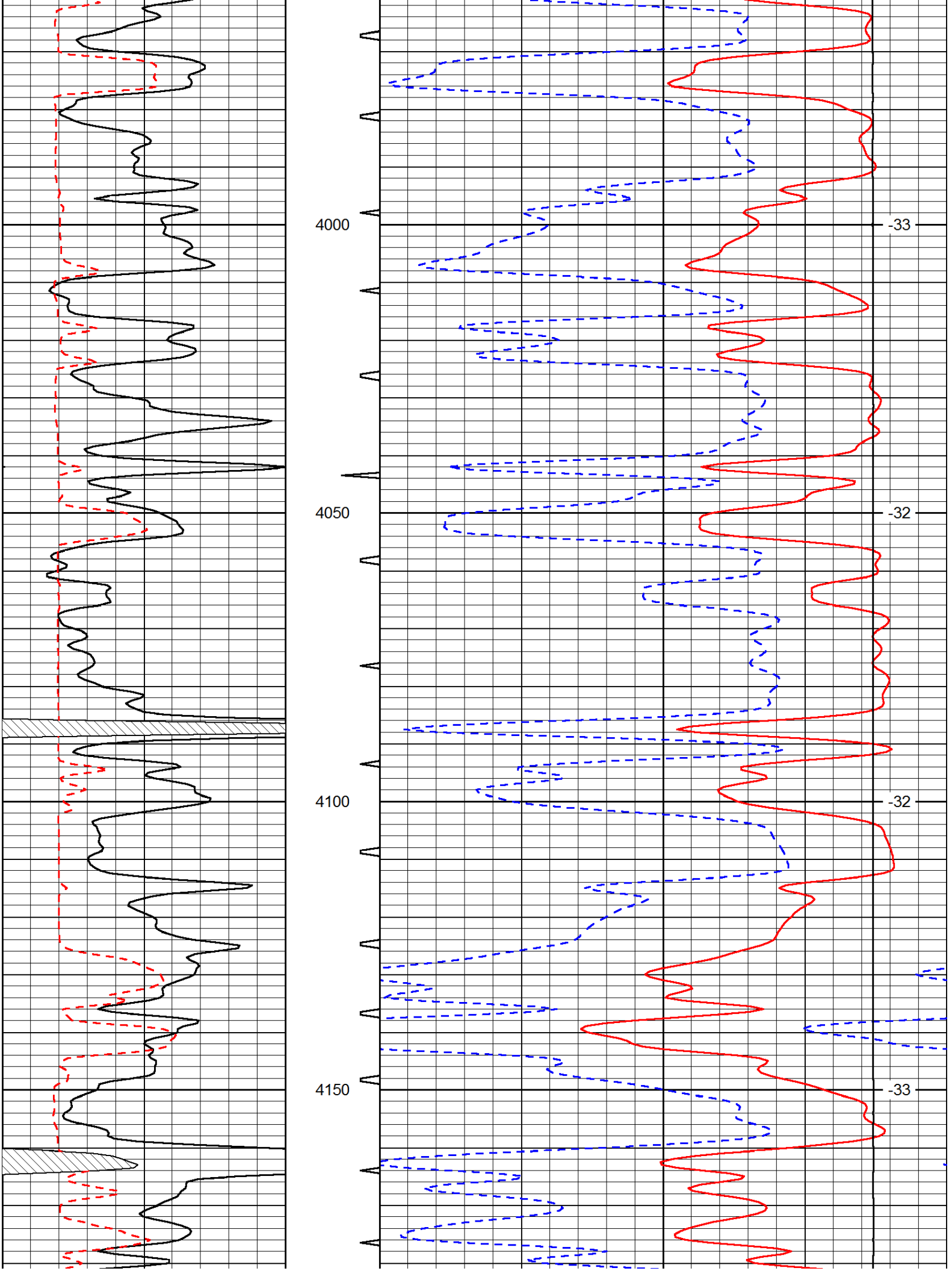

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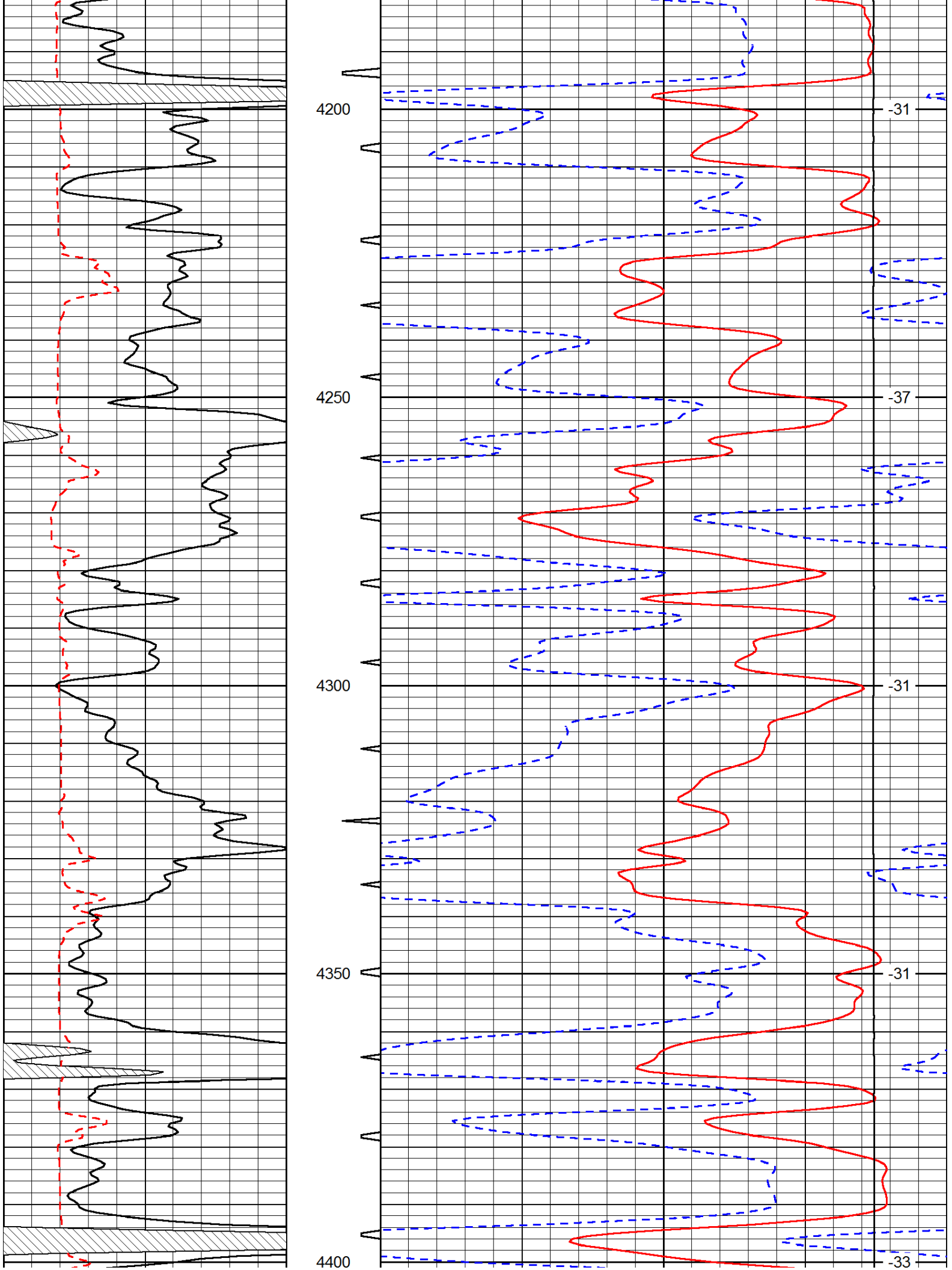

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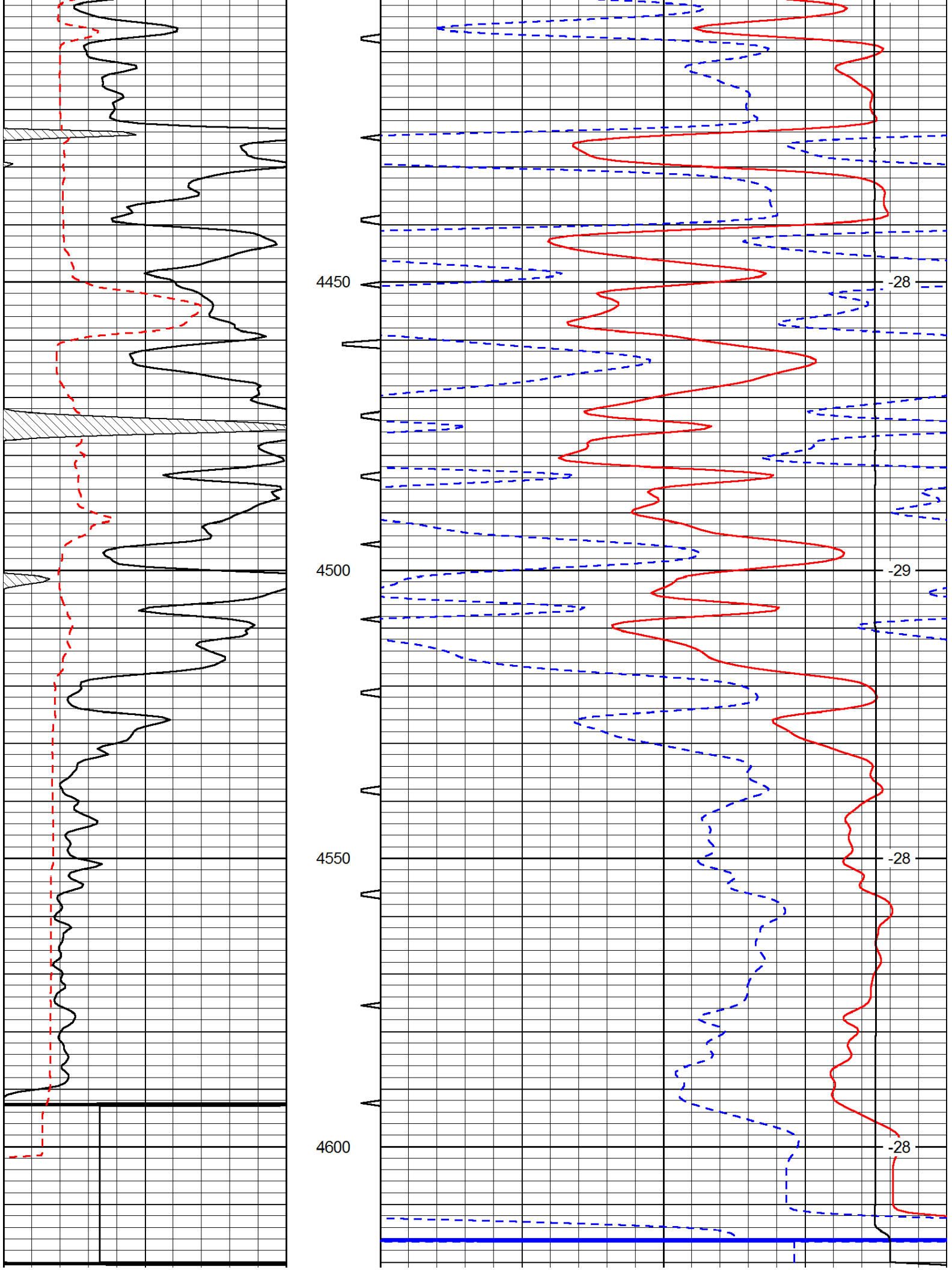

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