PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No.

15-109-21,331-00-00

Company Black Tea Oil, LLC.

Well Pahls B #1

Field N/A

County Logan State Kansas

Location NW NW NE SE
2570' FSL & 1210' FEL

Sec: 28 Twp: 13S Rge: 34W

Other Services
CNL/CDL
MEL/DIL

Elevation
K.B. 2847
D.F.
G.L. 2838

Permanent Datum Ground Level Elevation 2838
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	8/27/2014		
Run Number	Two		
Type Log	BHC Sonic		
Depth Driller	4530		
Depth Logger	4532		
Bottom Logged Interval	4521		
Top Logged Interval	250		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	7000		
Density	9.1		
Level	Full		
Max. Rec. Temp. F	121		
Operating Rig Time	5 Hours		
Equipment -- Location	15	Hays	
Recorded By	D.Kerr		
Witnessed By	Kevin Bailey		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	265	8.625	23#	00	265
Two	7.875	265	TD				

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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

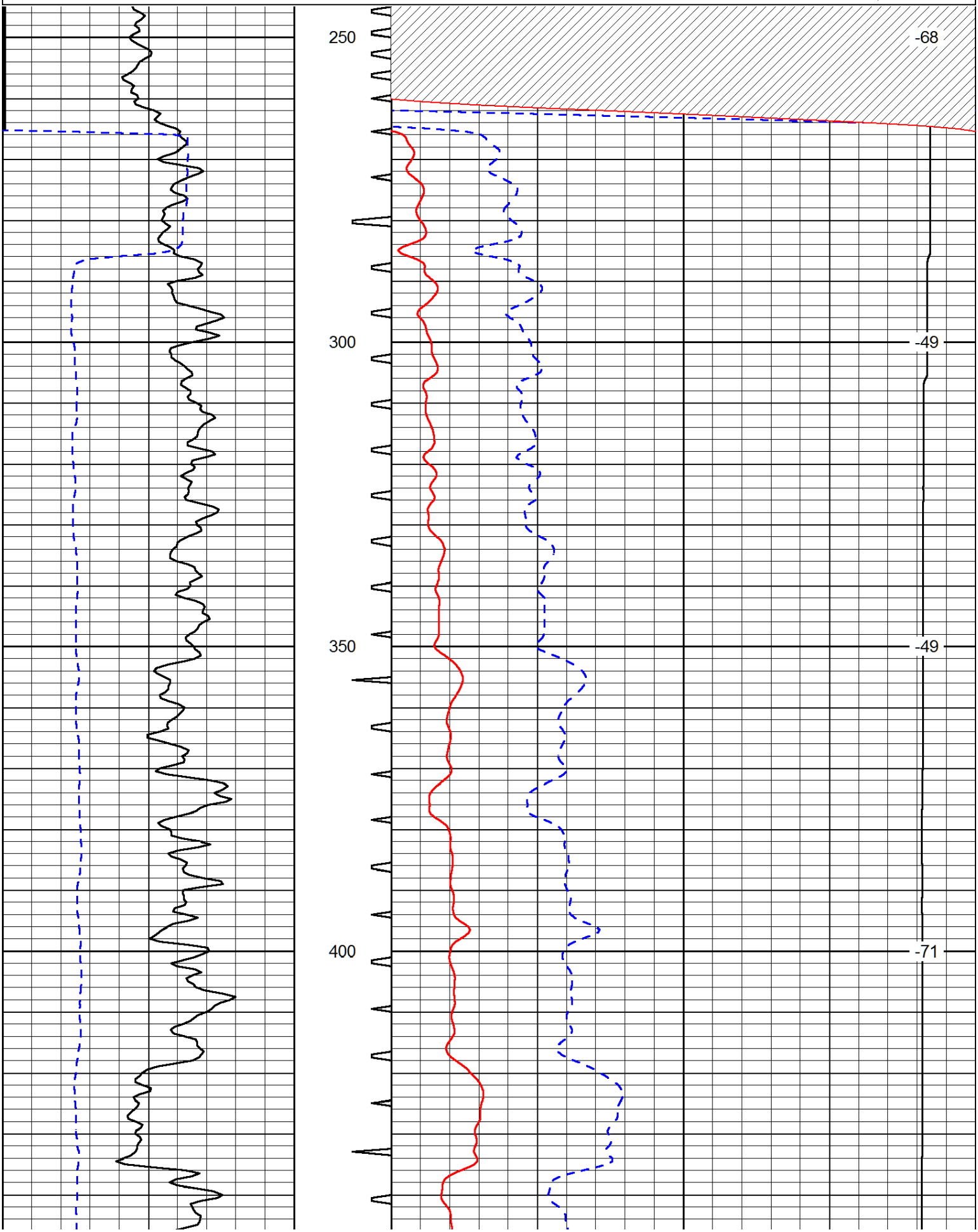
Thank you for using Log-Tech, Inc.
(785) 625-3858

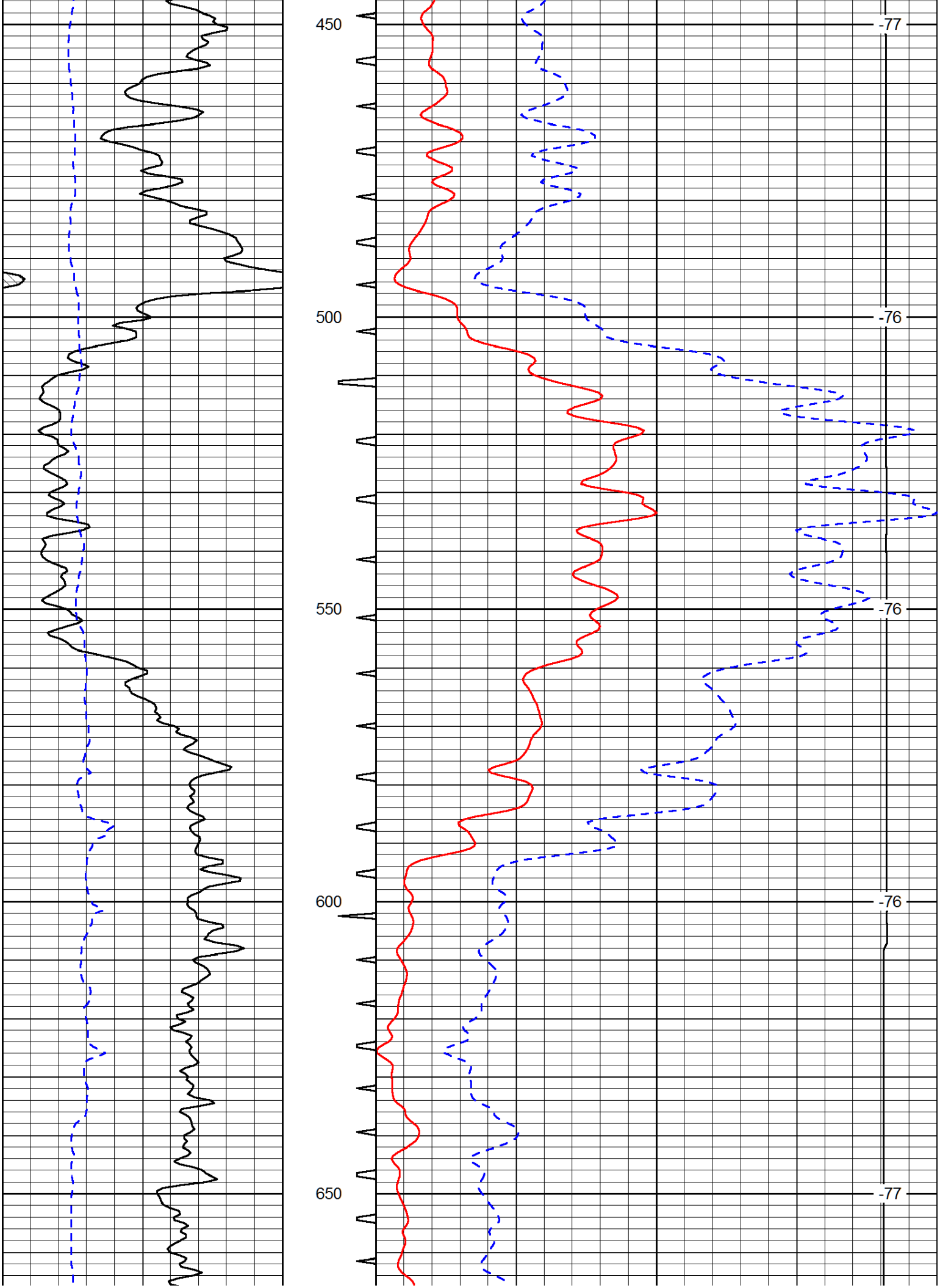
Monument KS, 350 RD South to Plains RD,
West to 310 RD, South to Gate, 1 1/2 South Into

Database File: blacktea_pahls_b_1hd.db
Dataset Pathname: DIL/btstk2
Presentation Format: sonic
Dataset Creation: Thu Aug 28 00:34:20 2014
Charted by: Depth in Feet scaled 1:240

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

LSPD

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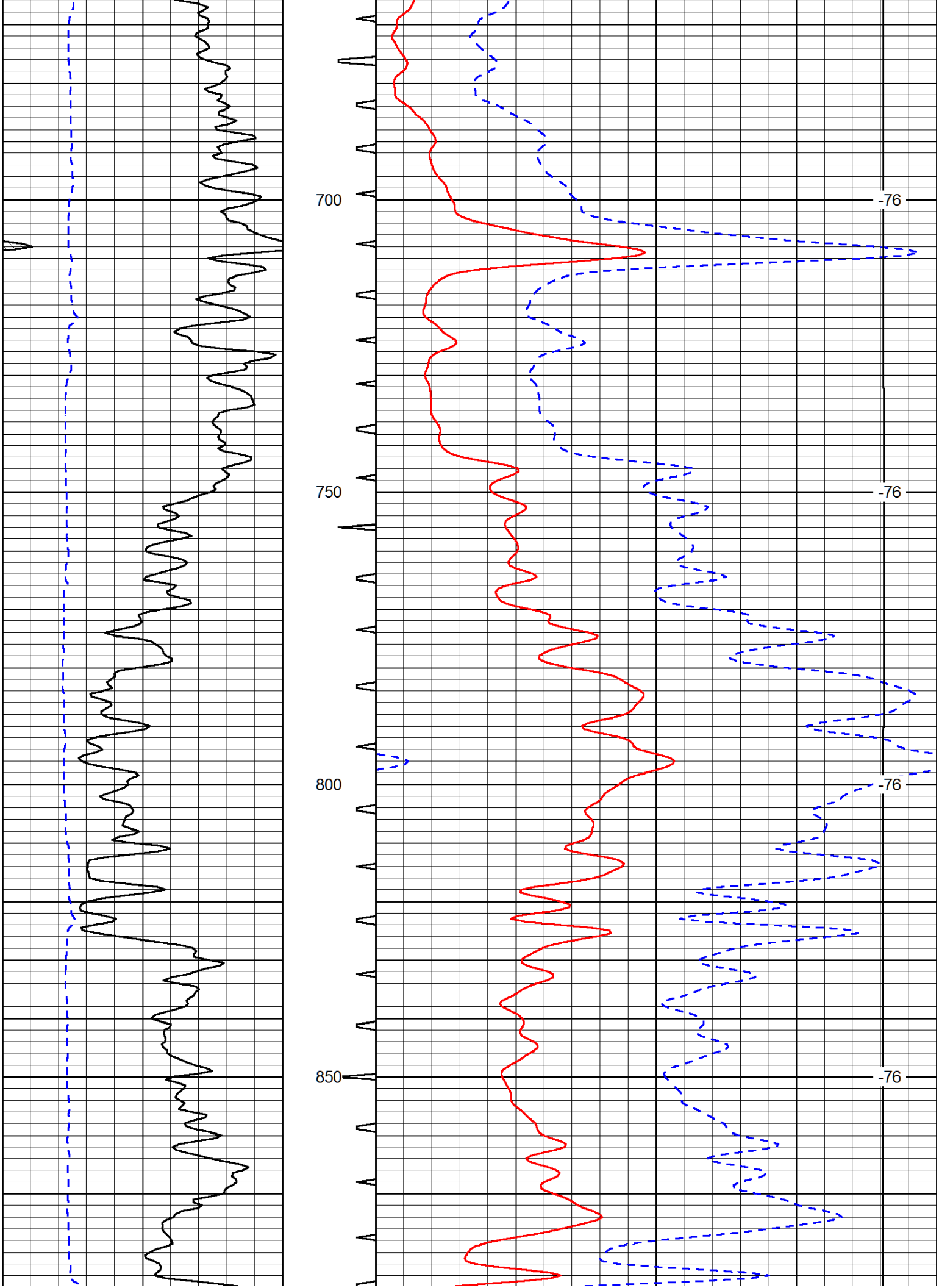
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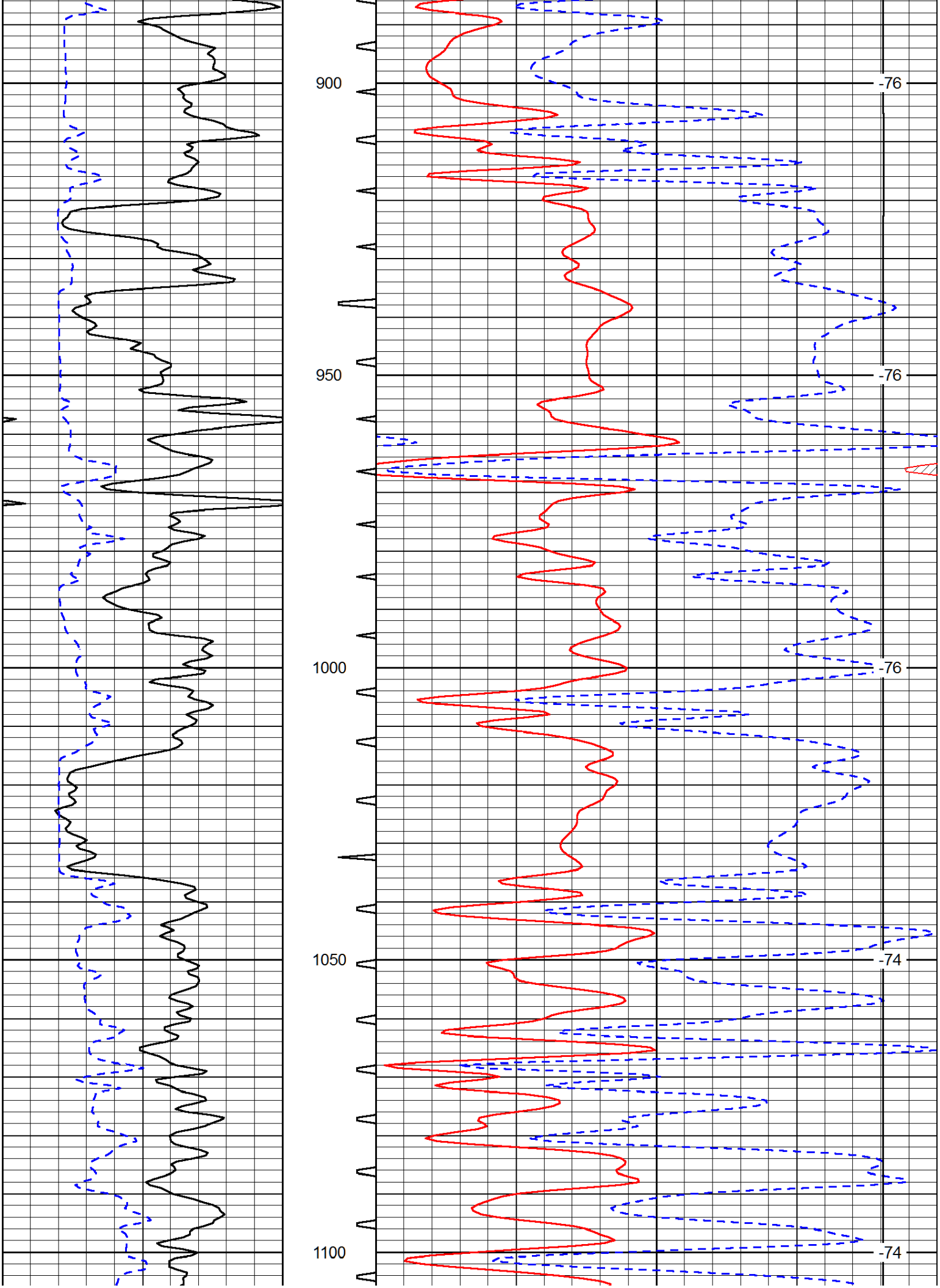
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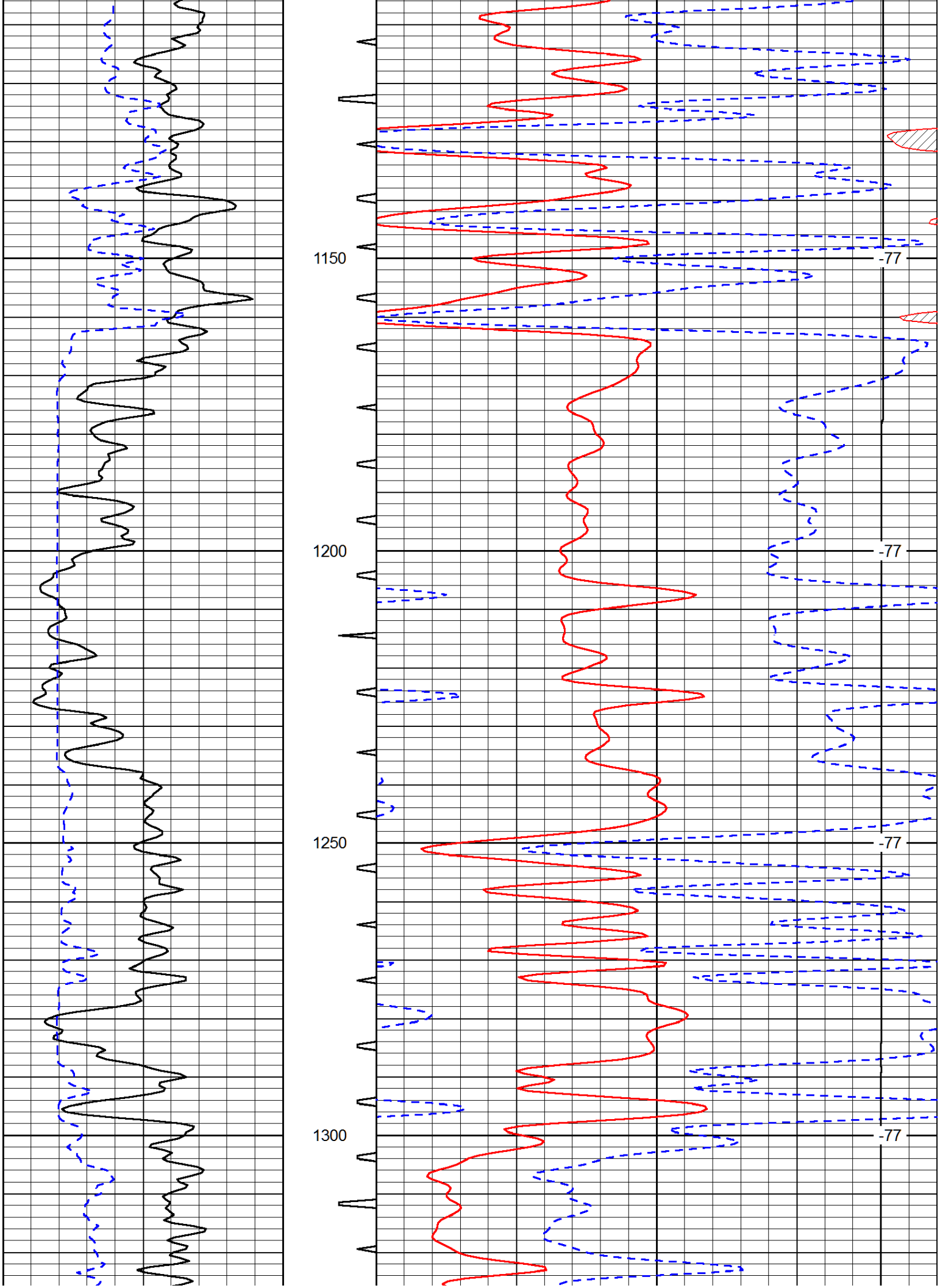
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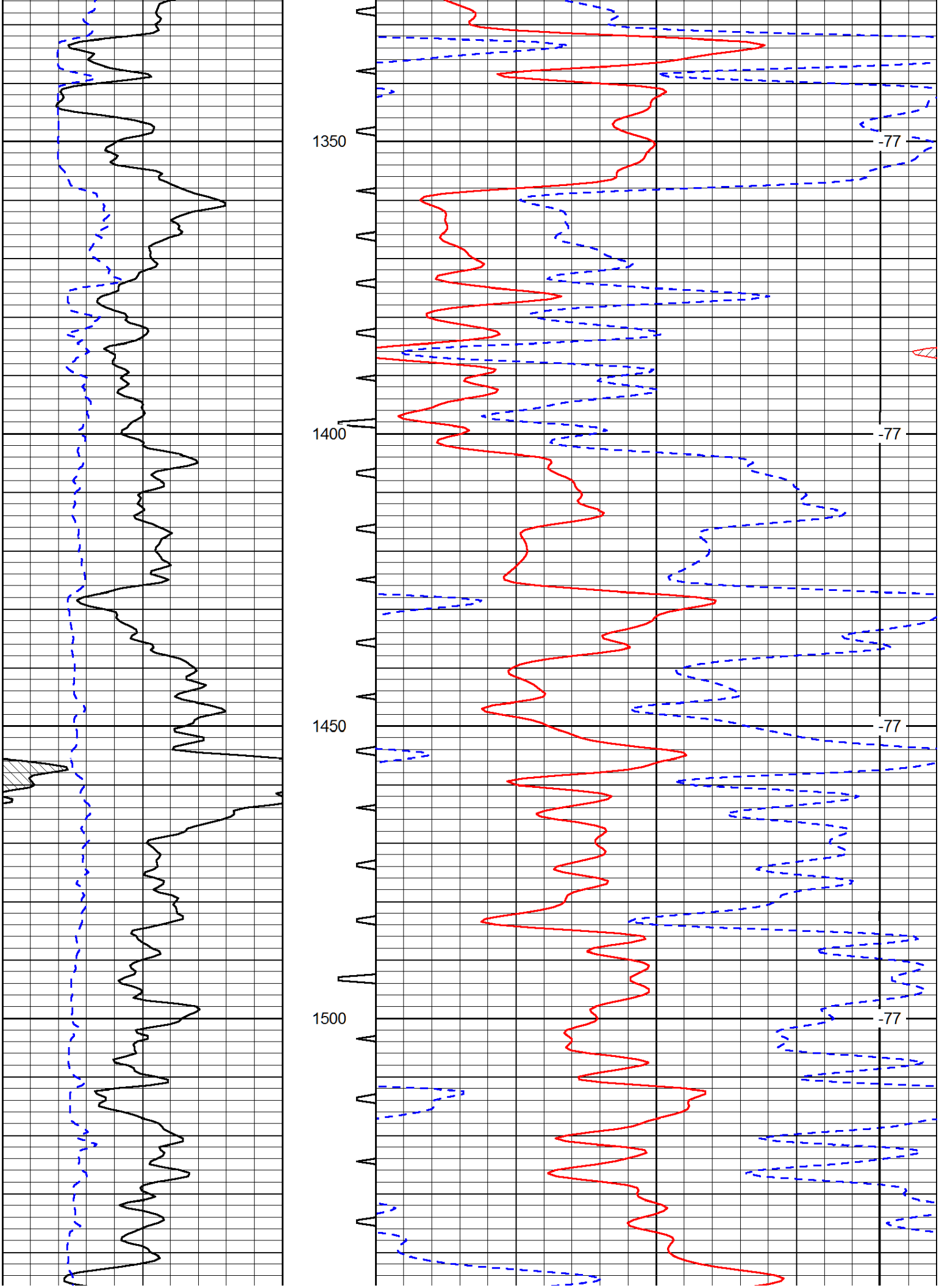
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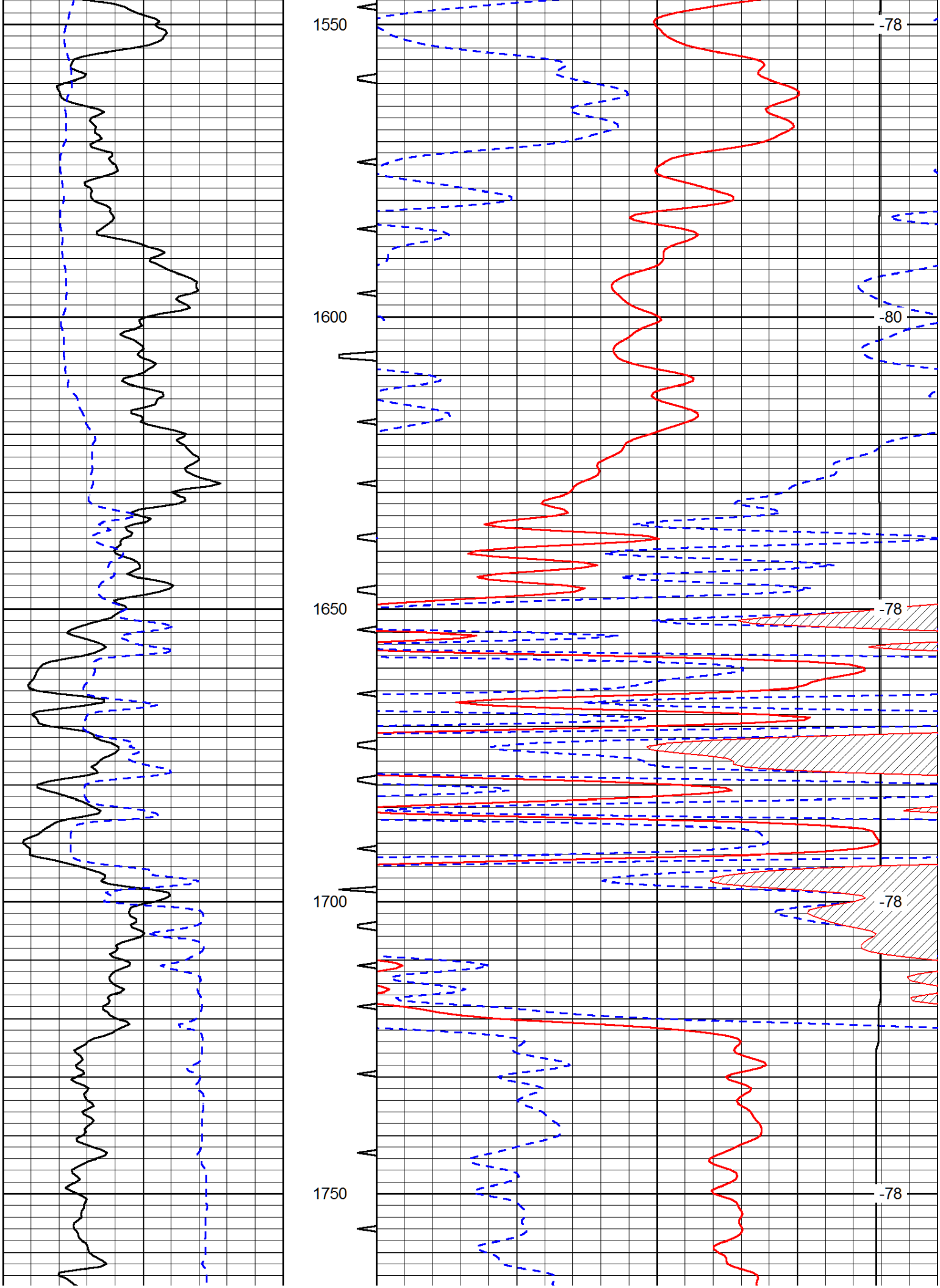
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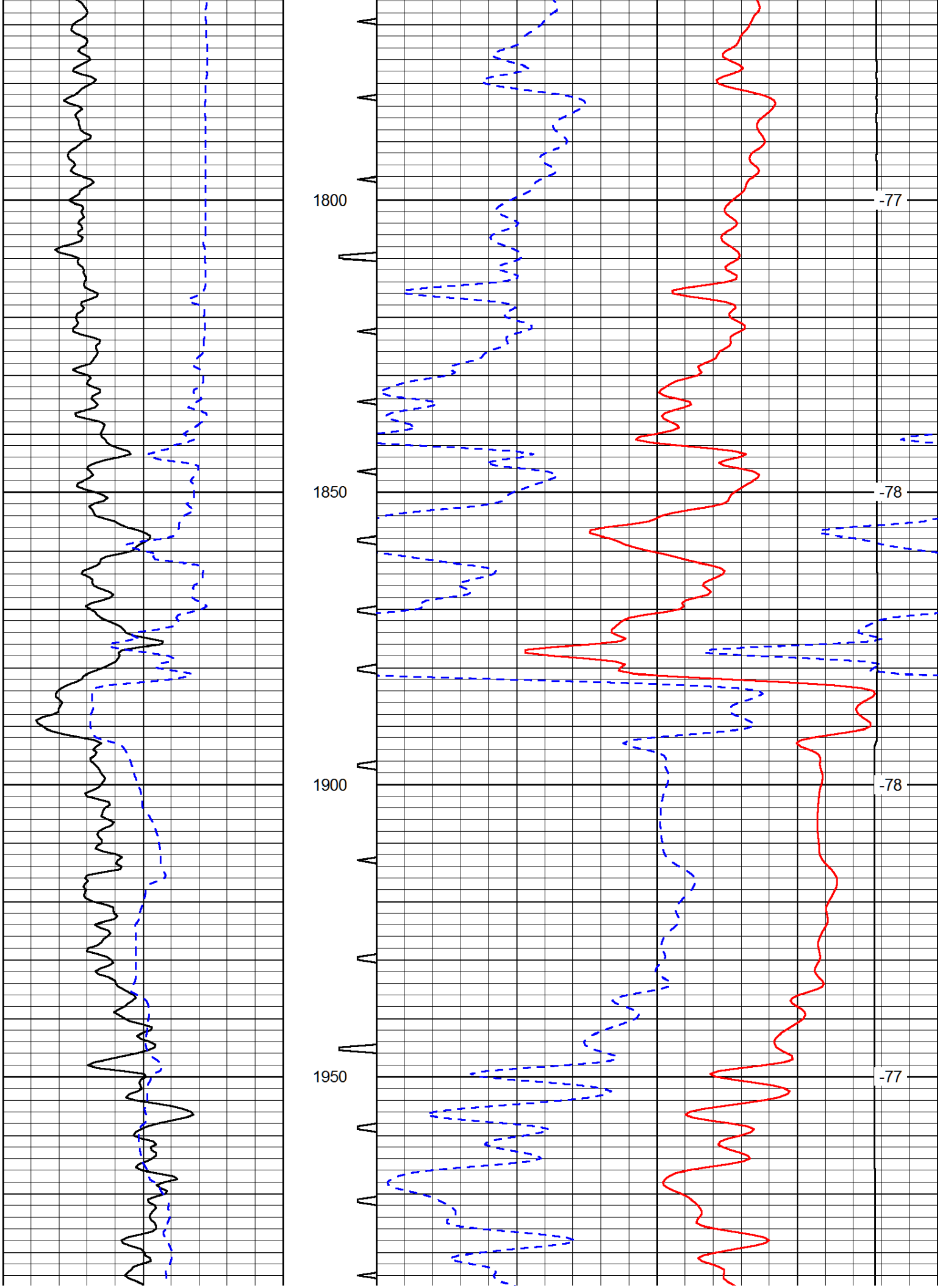
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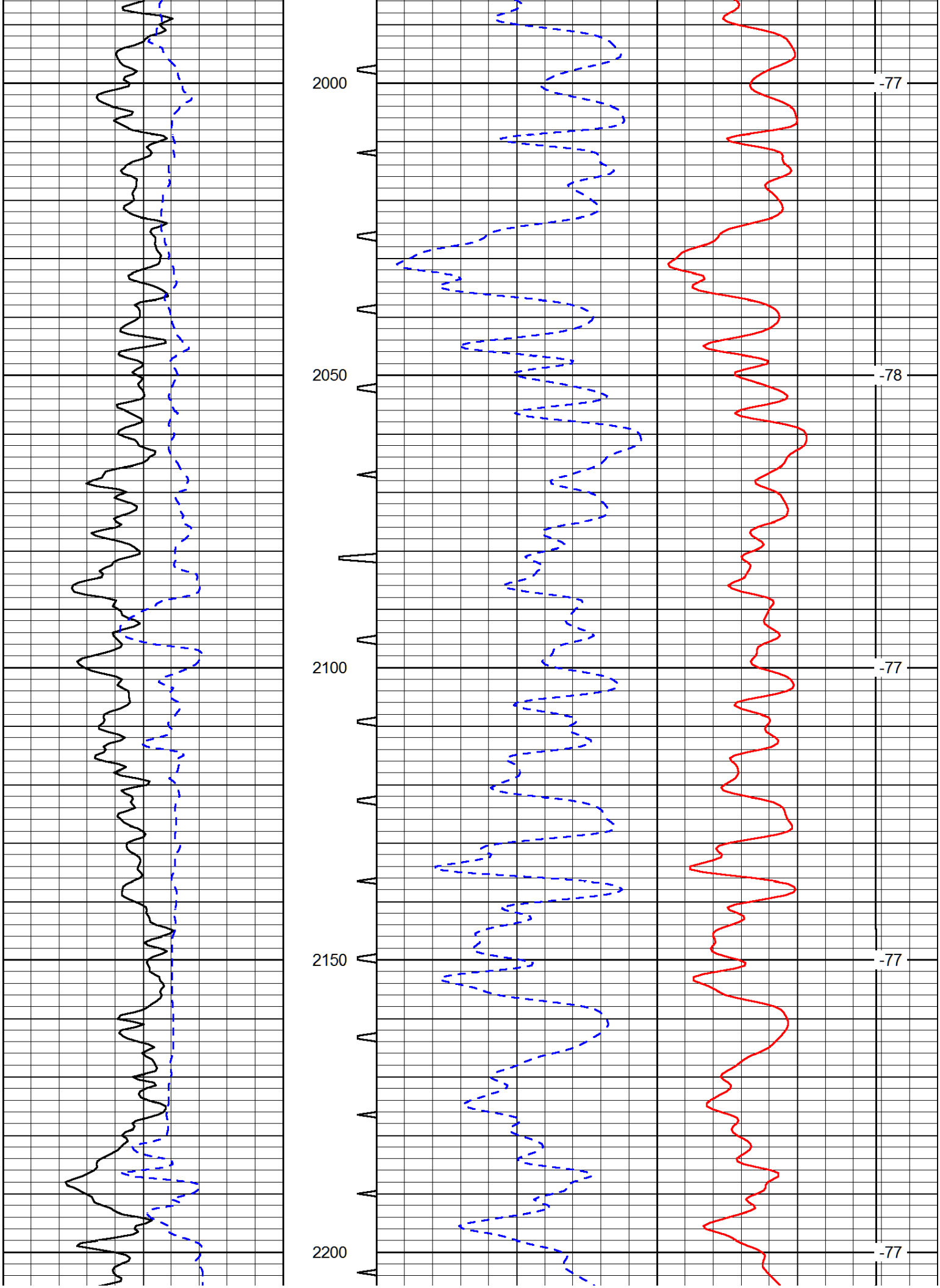
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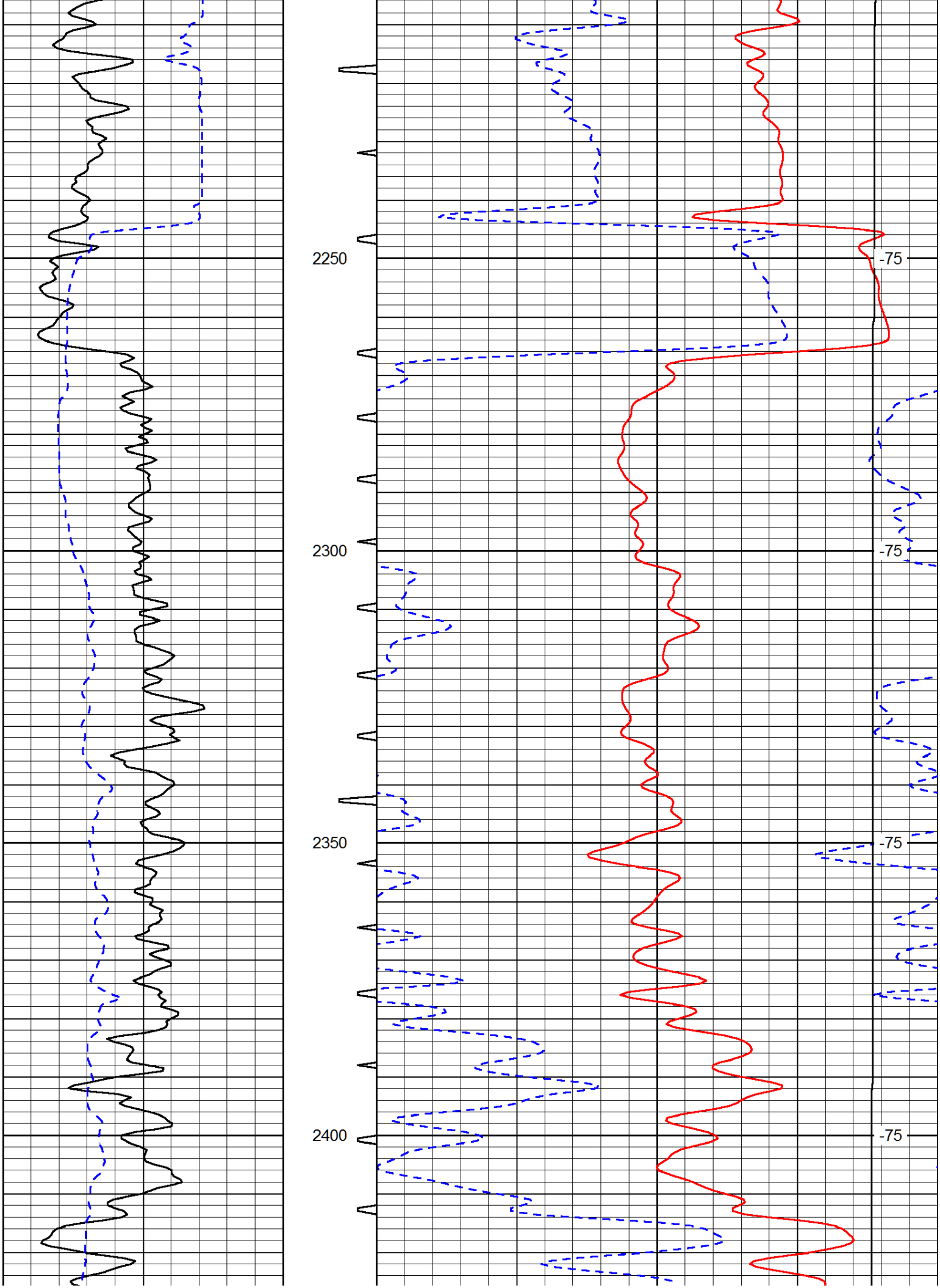
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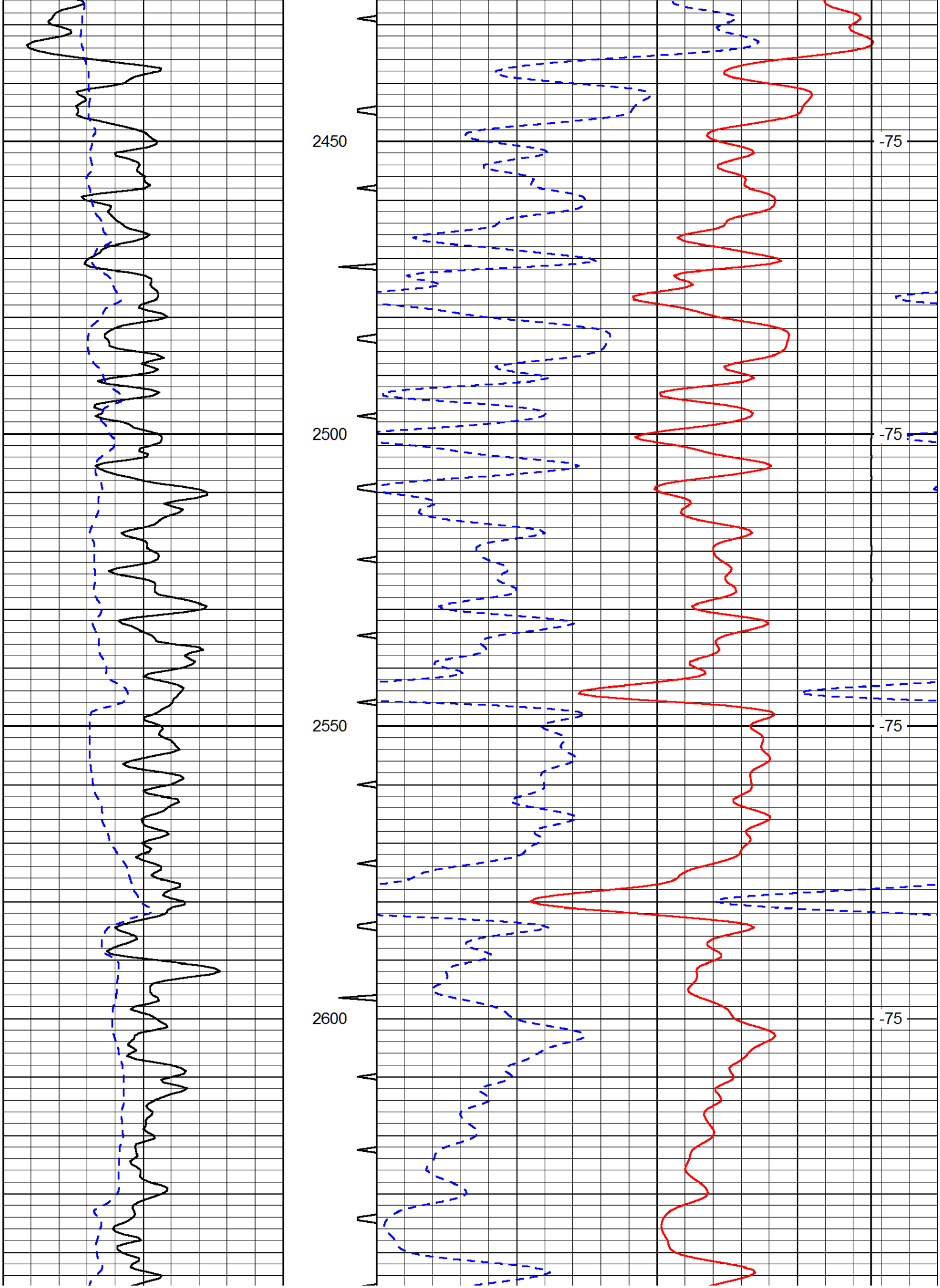
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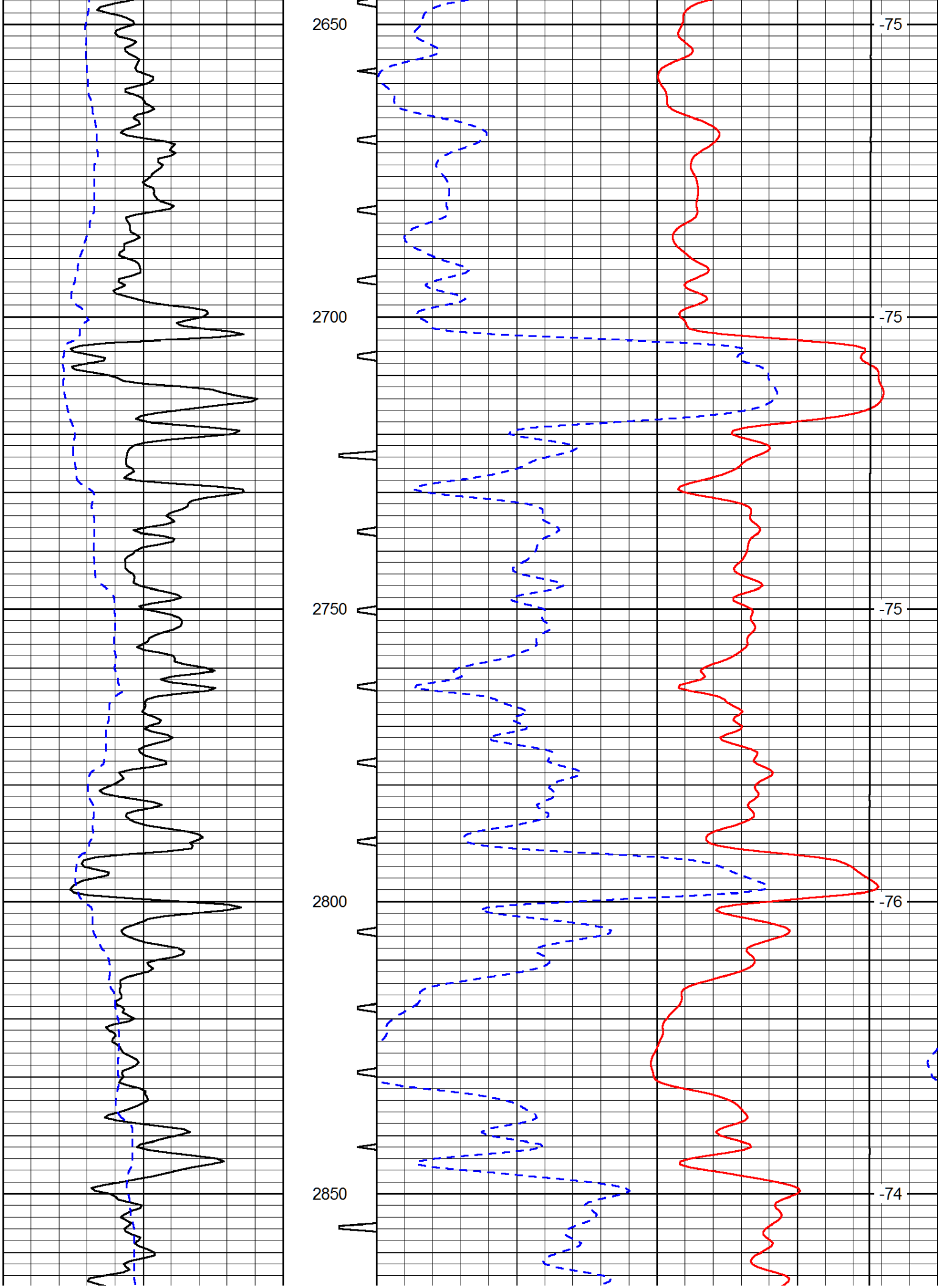
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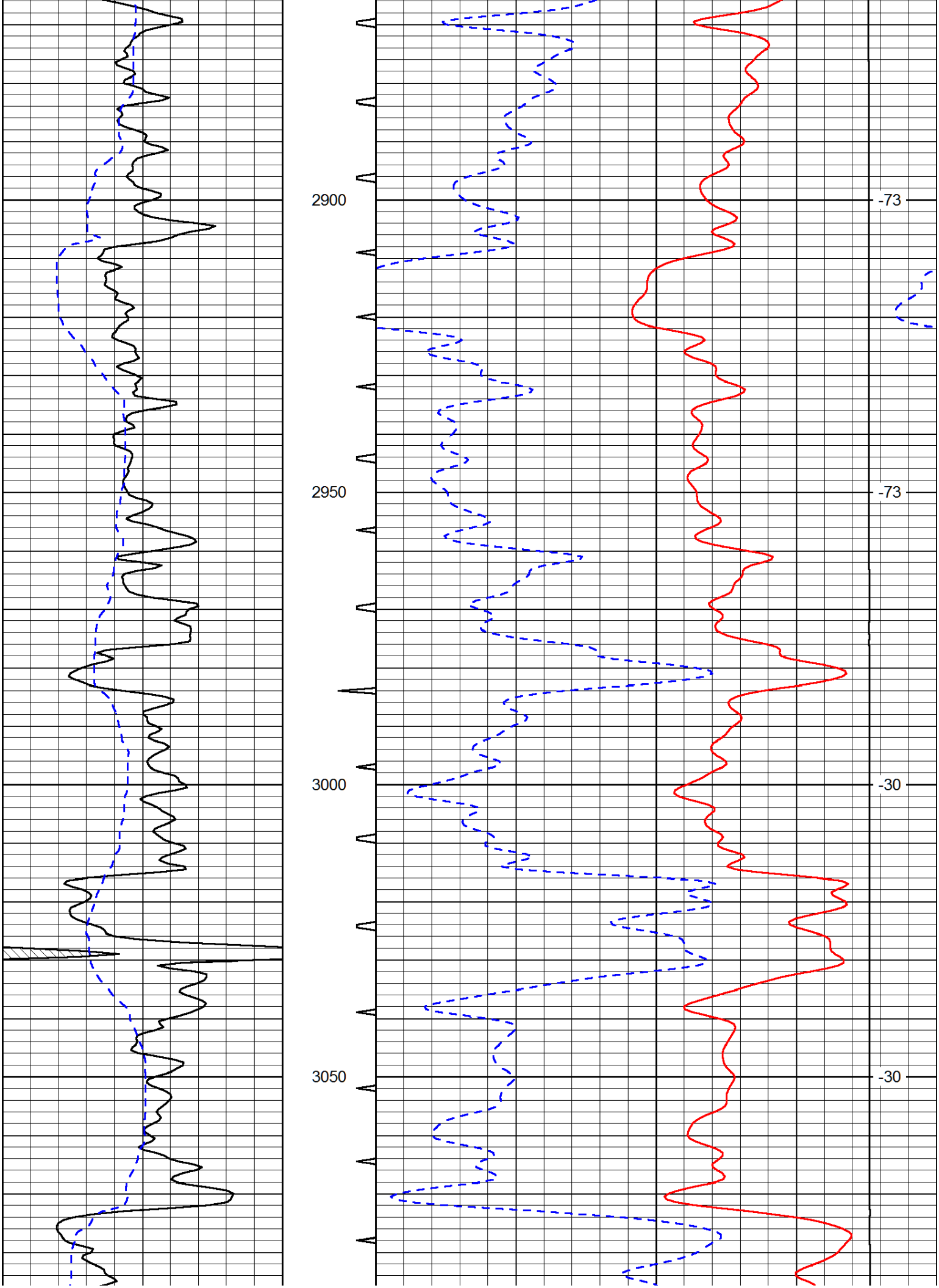
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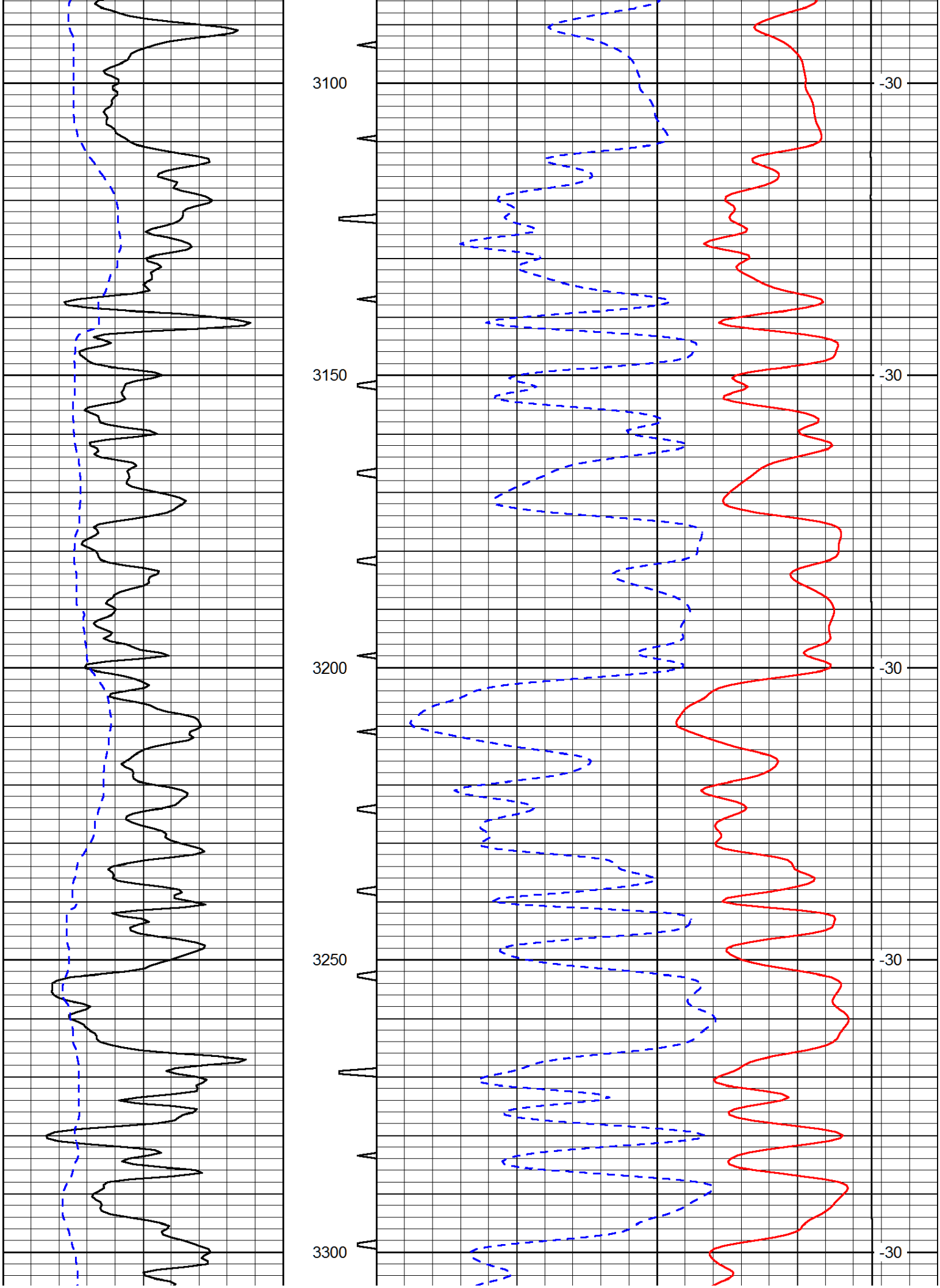
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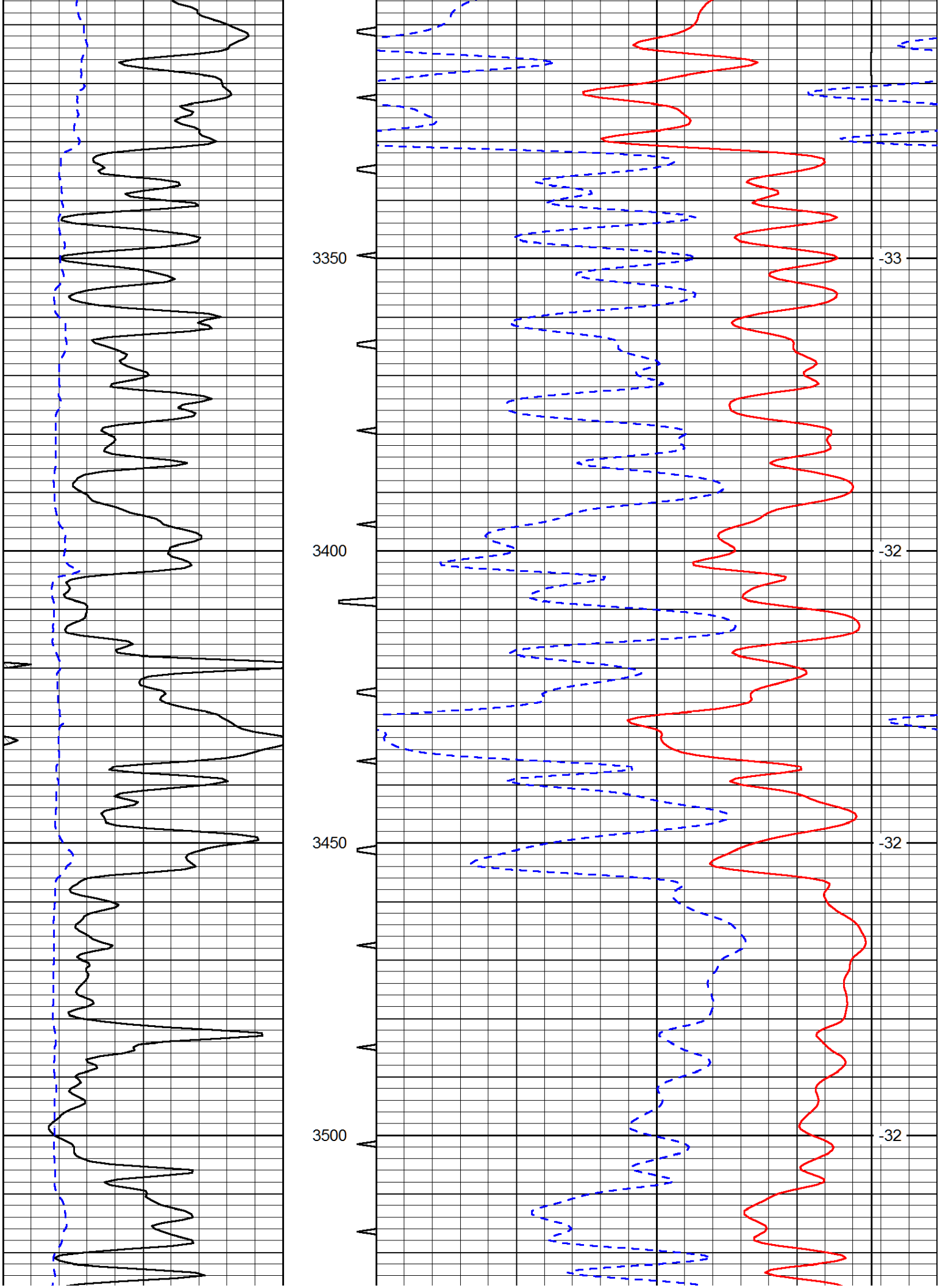
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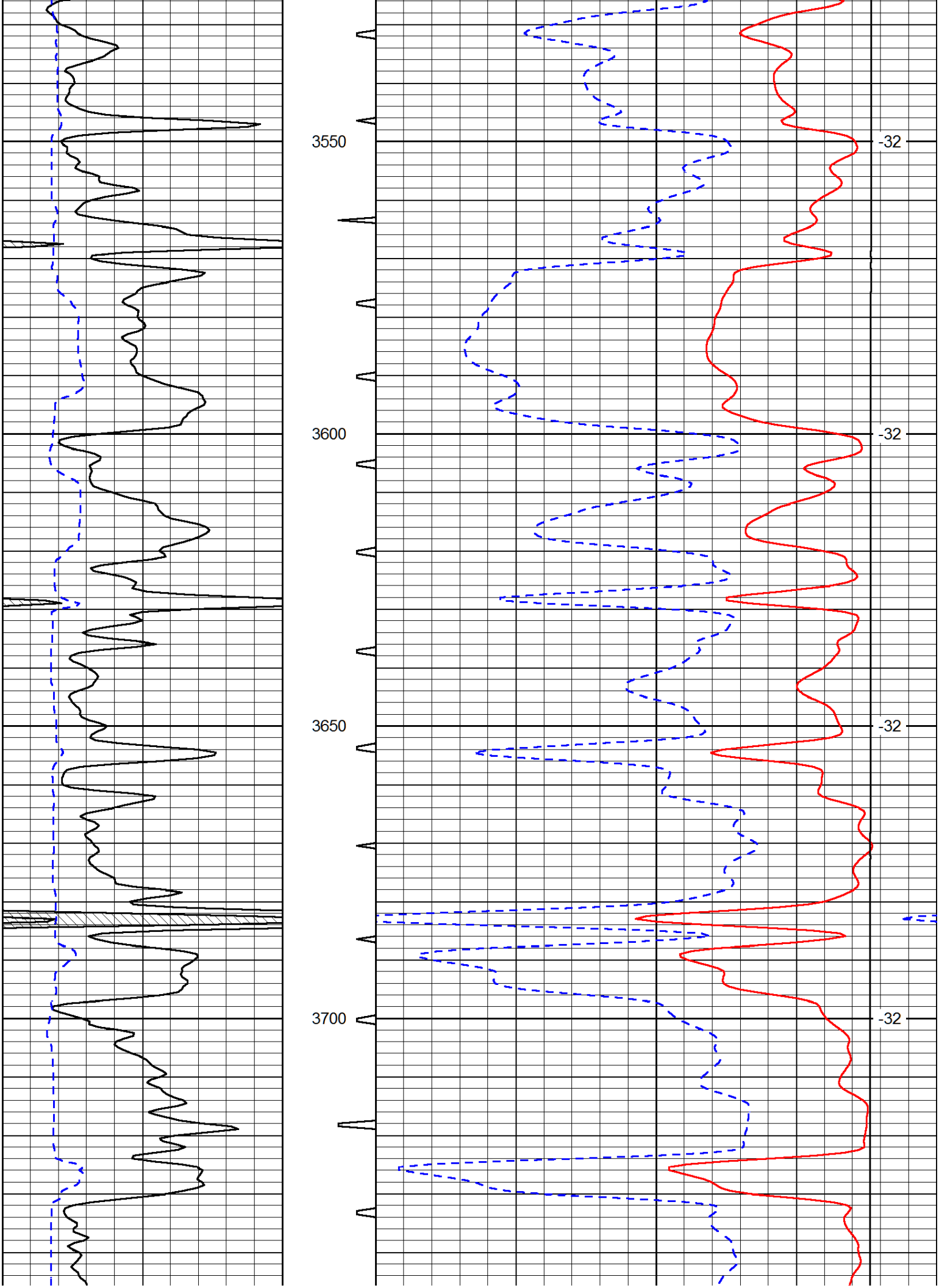
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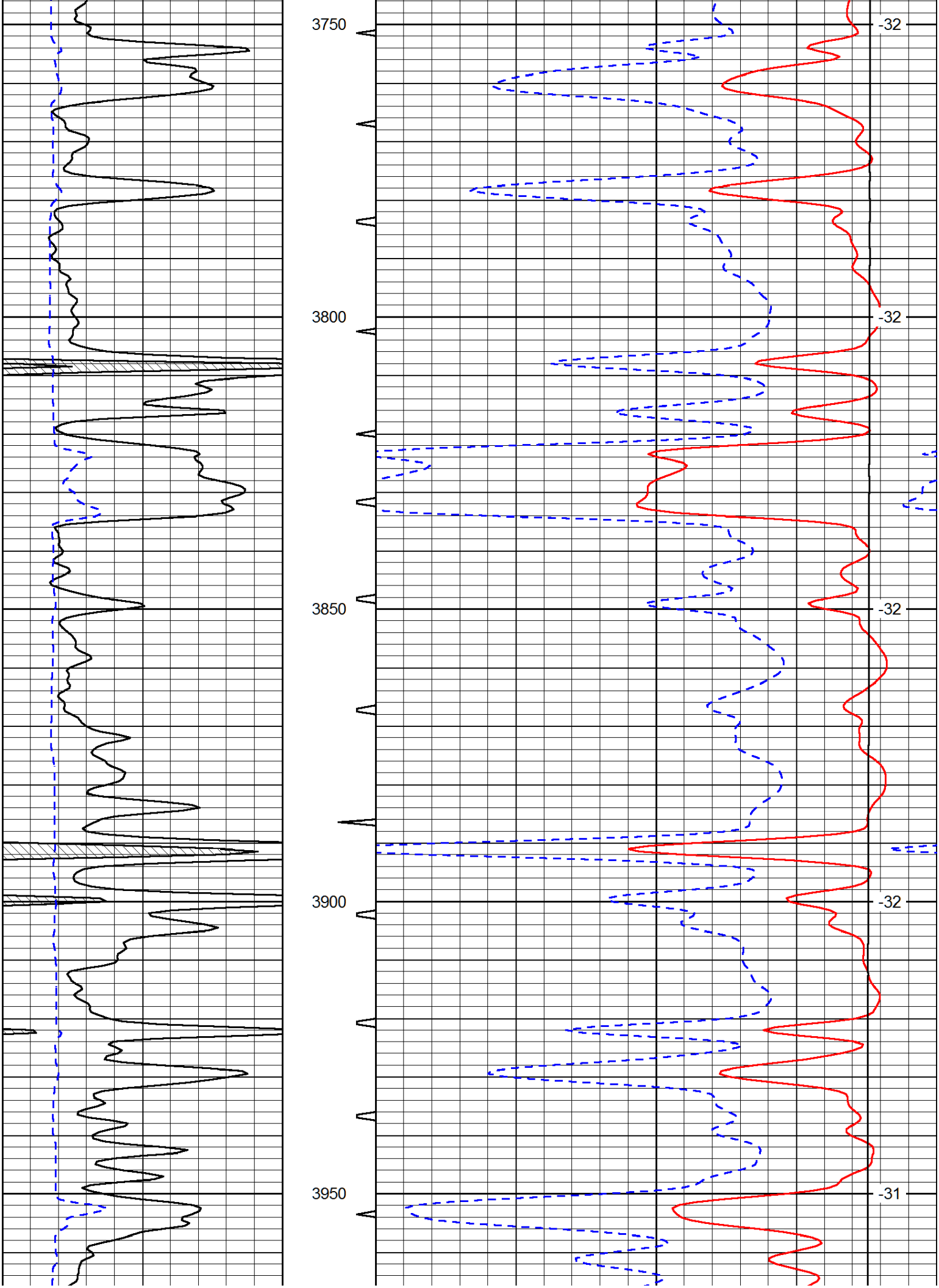
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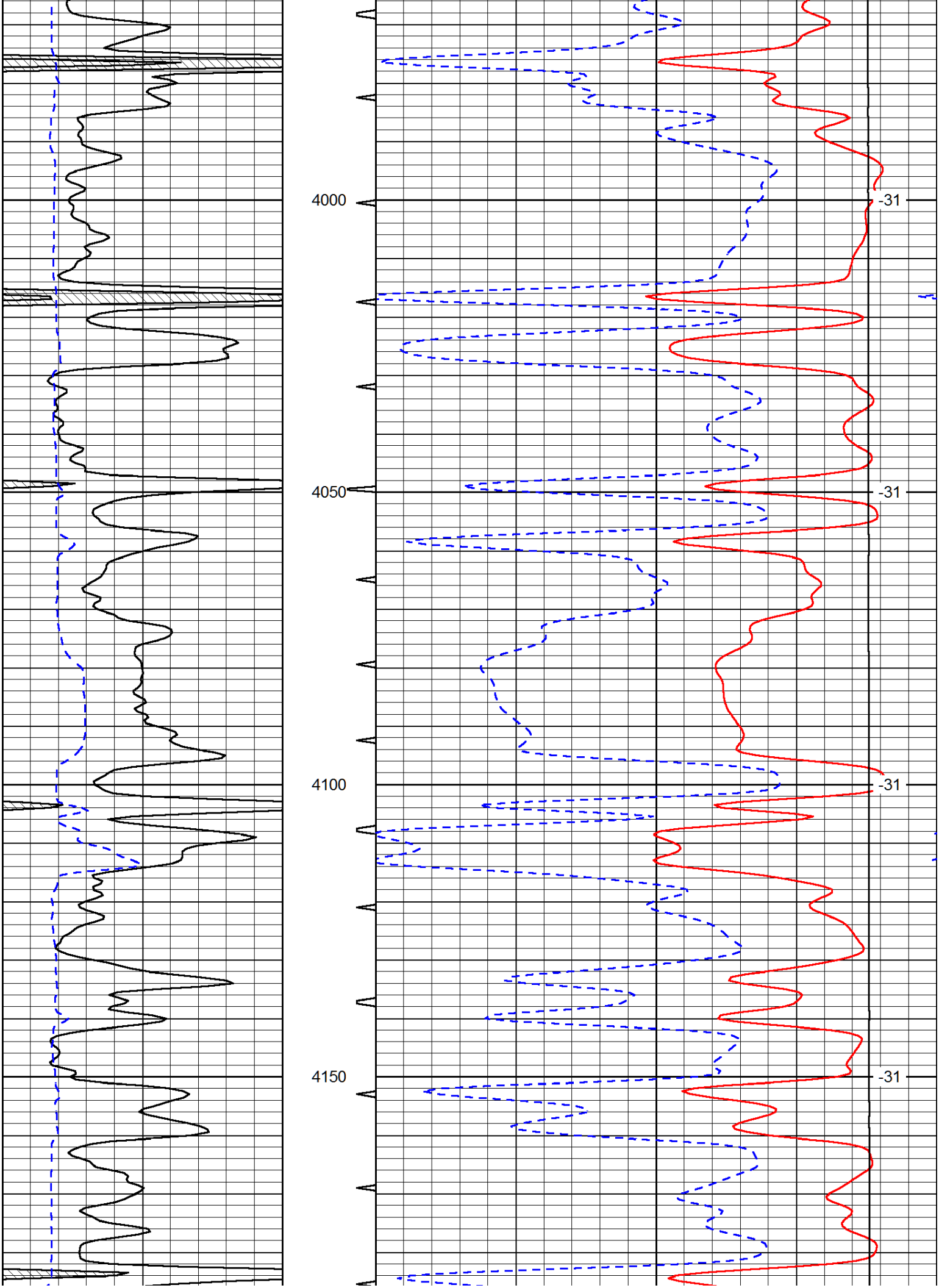
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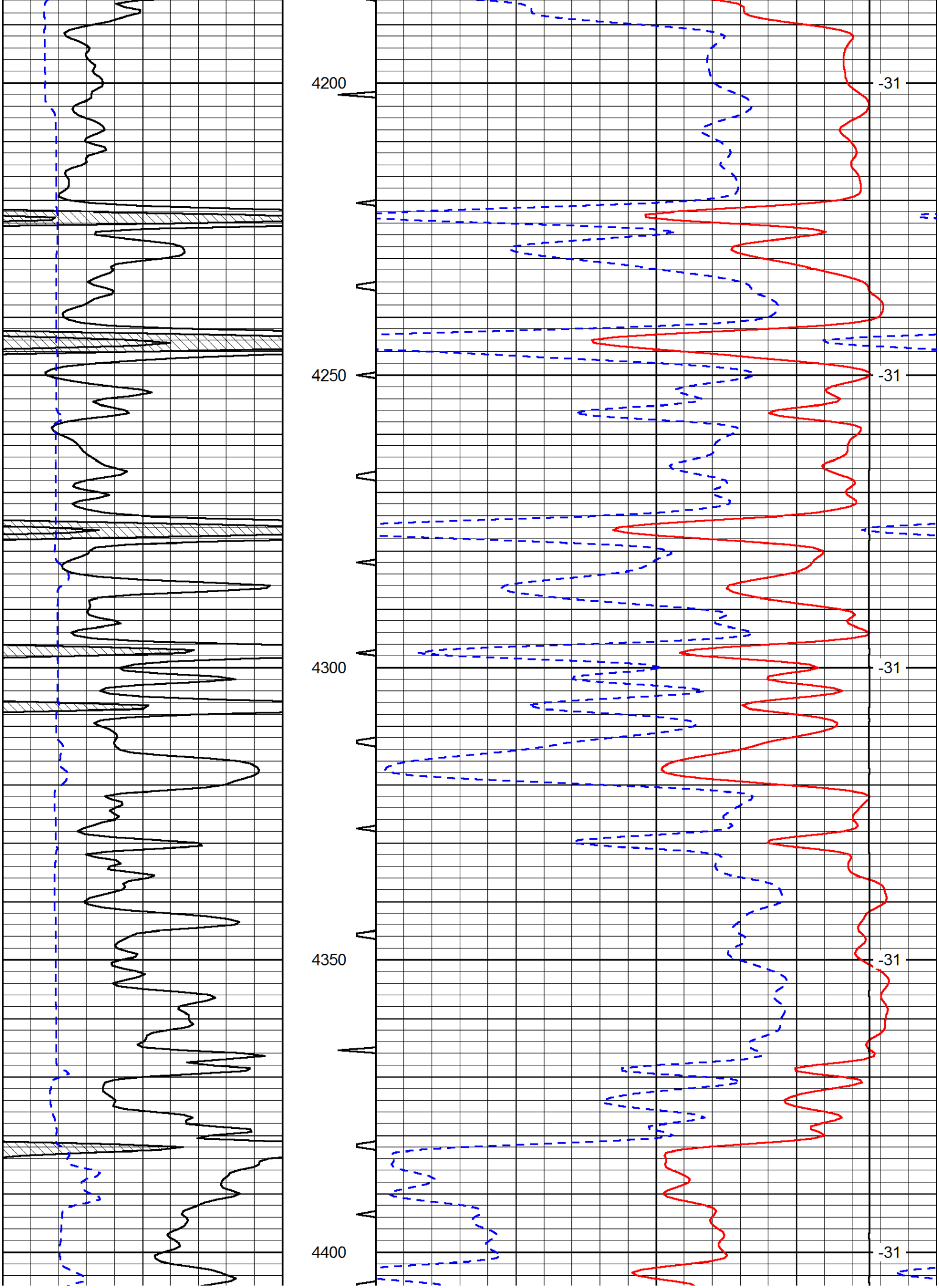
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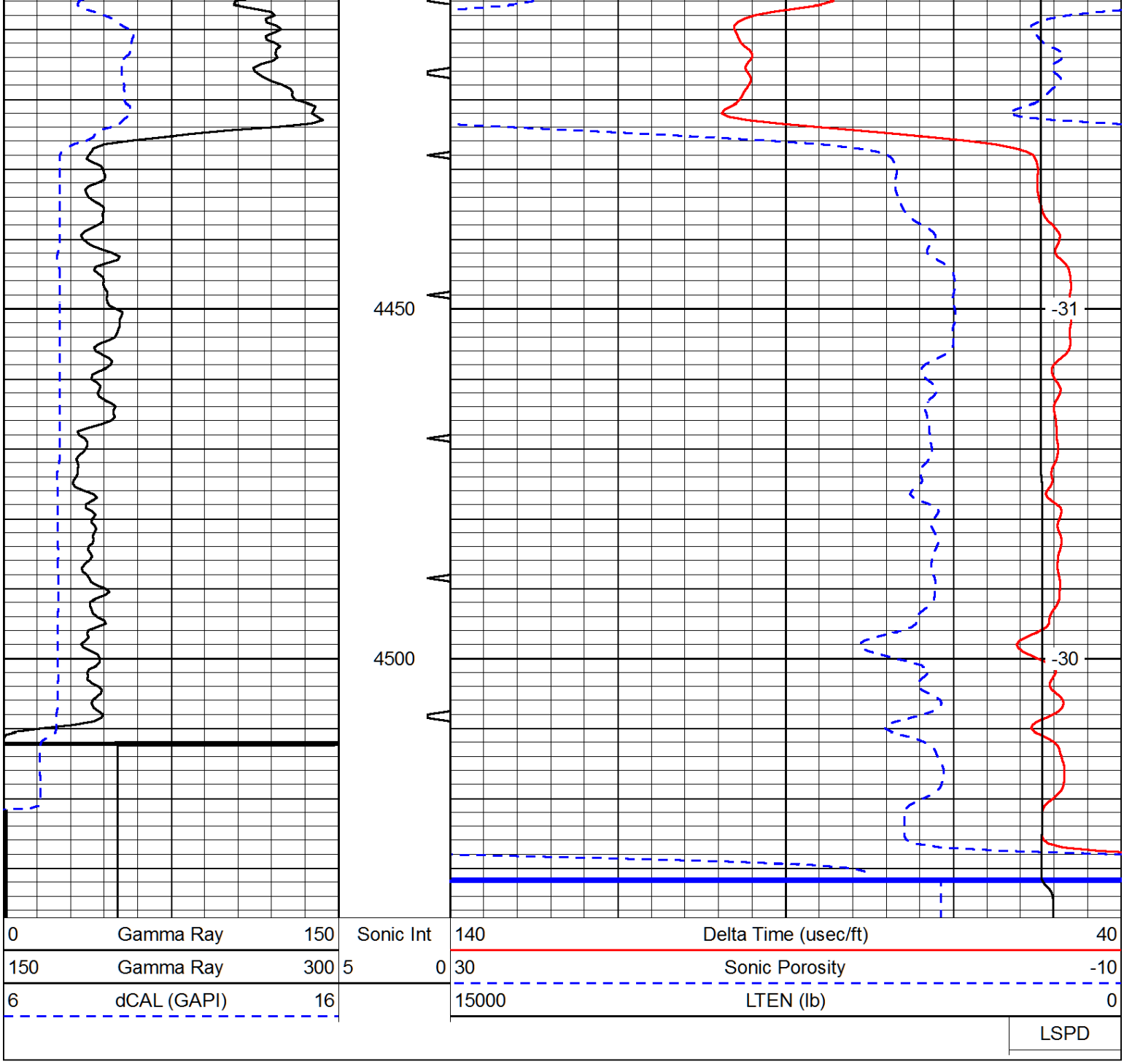
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0 Gamma Ray 150
150 Gamma Ray 300
6 dCAL (GAPI) 16
Sonic Int
5 0
140 Delta Time (usec/ft) 40
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15000 LTEN (lb) 0
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