PIONEER

Pioneer Energy Services

Dual Induction Log

API No.	
15-153-20,911-00-00	

Company	Murfin Drilling Company, Inc.
Well	CWA "B" #1-5
Field	Wildcat
County	Rawlins
State	Kansas
Location	330' FNL & 2310' FWL
Sec: 5	Twp: 3S · Rge: 26W

Other Services: CNL/CDL, MEL/BHCS

Permanent Datum	Ground Level	Elevation 3359
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Elevation: K.B. 3369; D.F.; G.L. 3359

Date	11/16/2012		
Run Number	One		
Depth Driller	5100		
Depth Logger	5102		
Bottom Logged Interval	5101		
Top Log Interval	0		
Casing Driller	8.625 @ 392		
Casing Logger	388		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1,200		
Density / Viscosity	9.3 / 75		
pH / Fluid Loss	11.5 / 6.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.45 @ 57		
Rmf @ Meas. Temp	1.09 @ 57		
Rmc @ Meas. Temp	1.96 @ 57		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.65 @ 127		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	127		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Terry McLeod		

<<< Fold Here >>>

Comments

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

McDonald KS, 3 N,
1/2 W, S Into

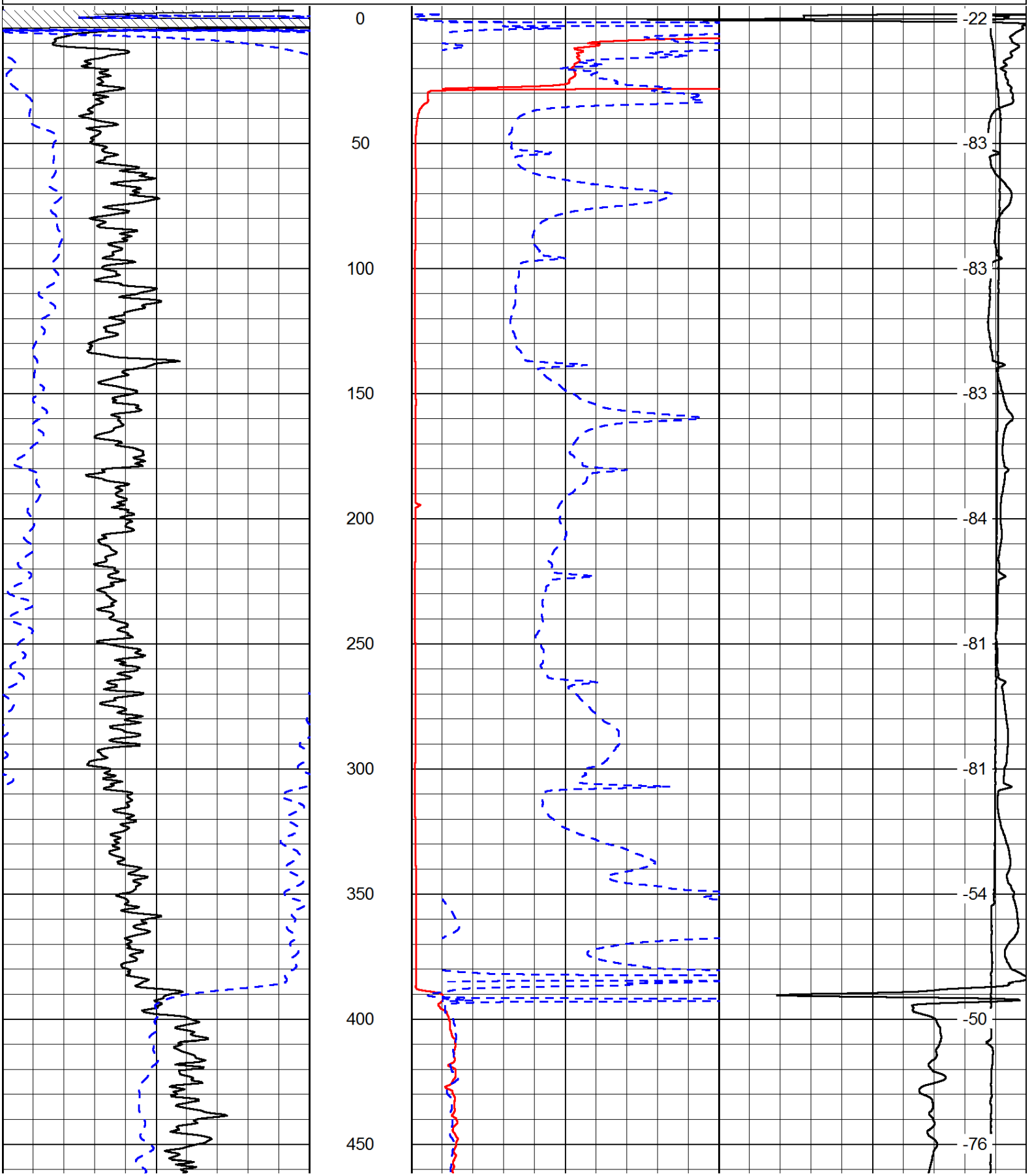
Database File:	c:\warrior\data\murfin_cwa b #1-5\murfinhd.db
Dataset Pathname:	dil/murfstk
Presentation Format:	dil2in
Dataset Creation:	Fri Nov 16 22:59:16 2012
Charted by:	Depth in Feet scaled 1:600

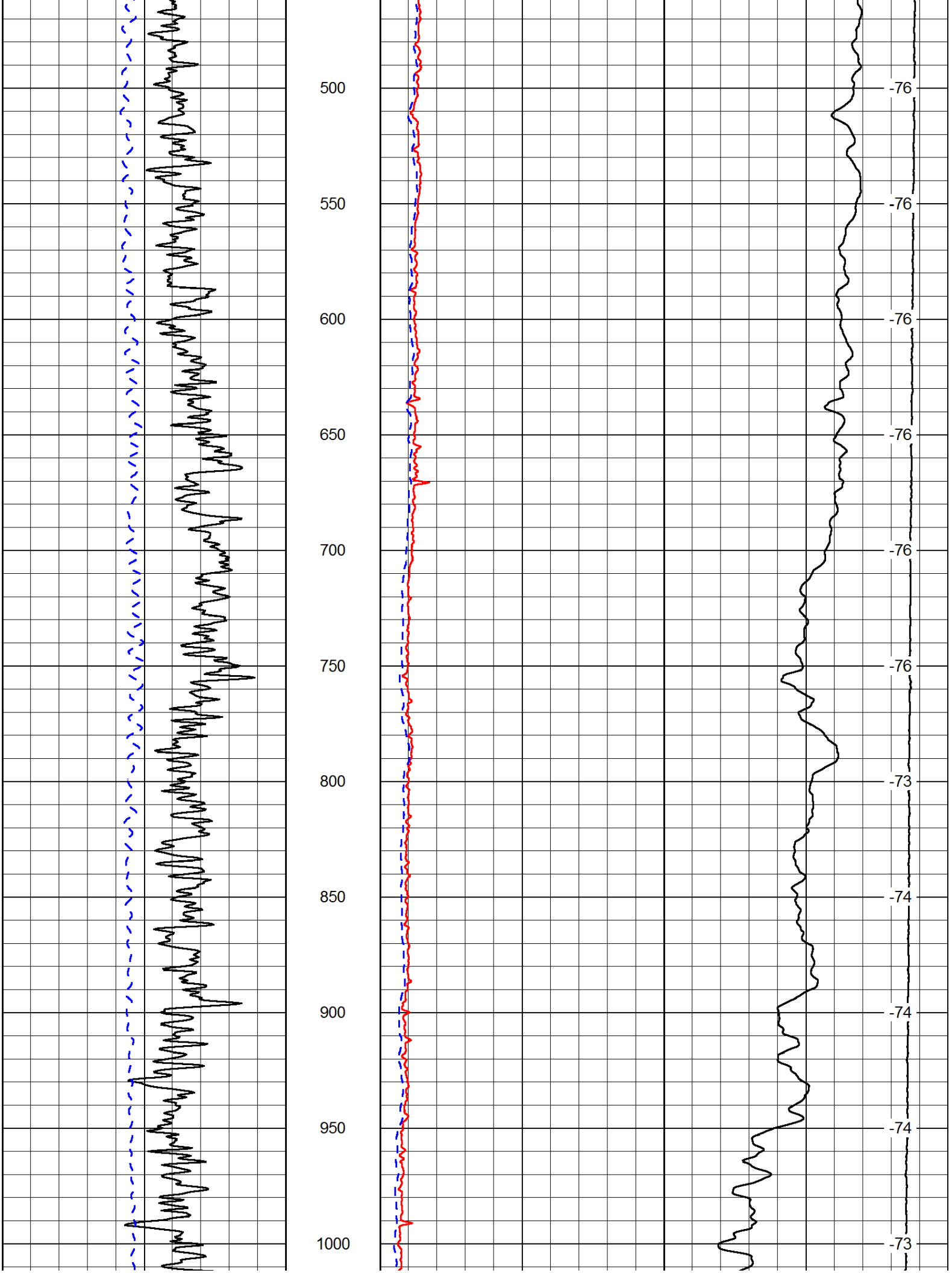
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP (mV)	0

0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

LSPD

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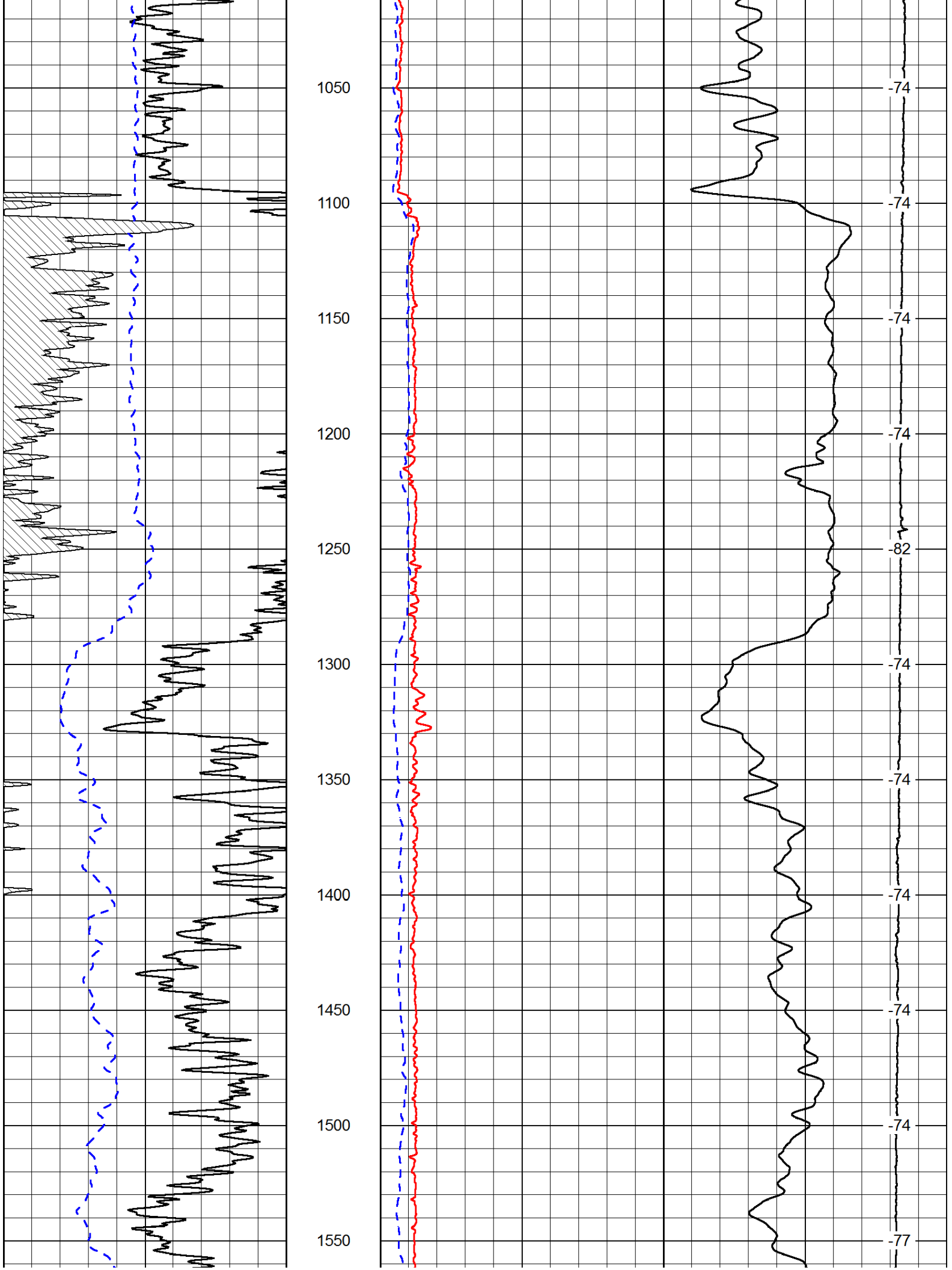
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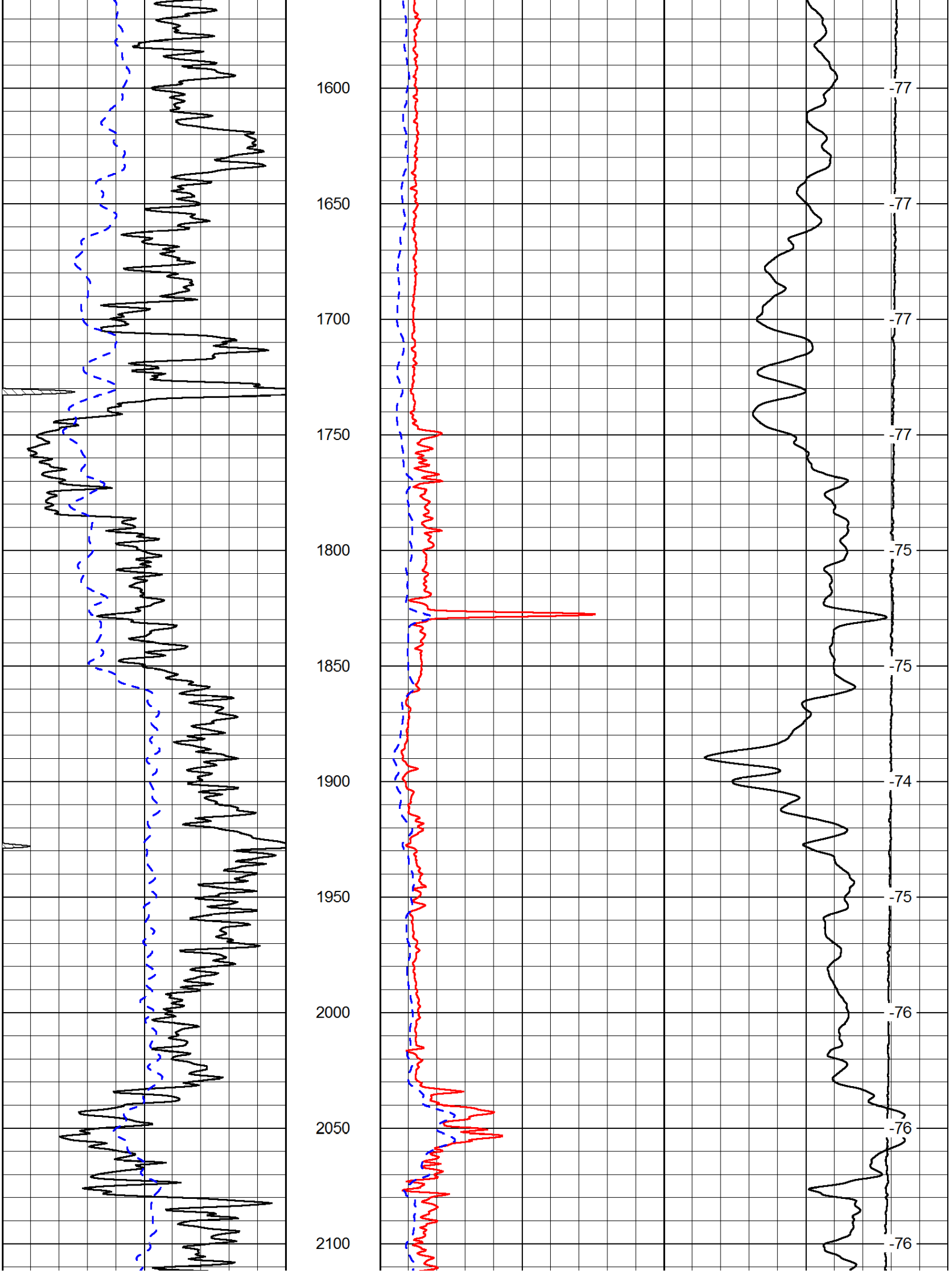
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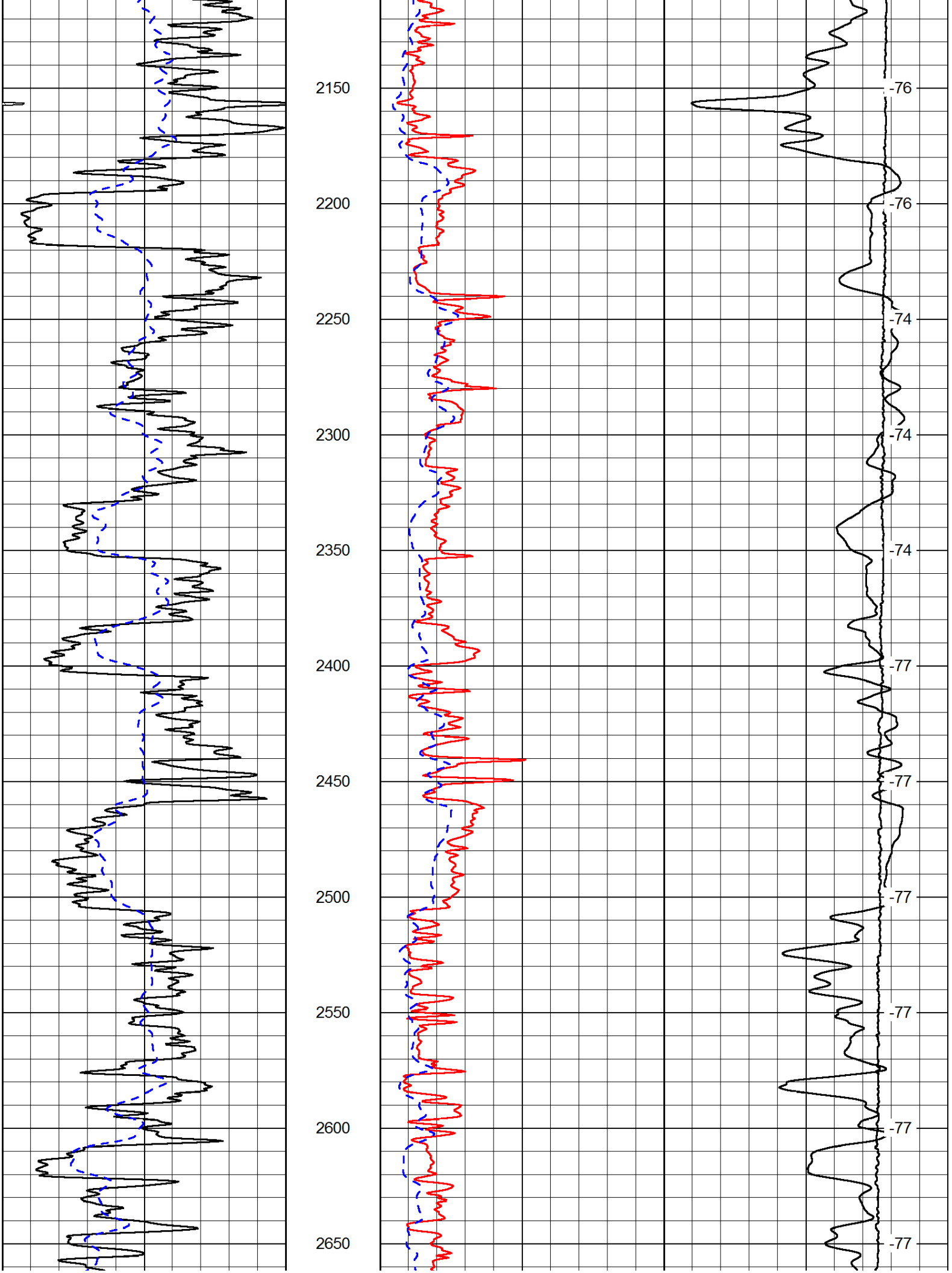
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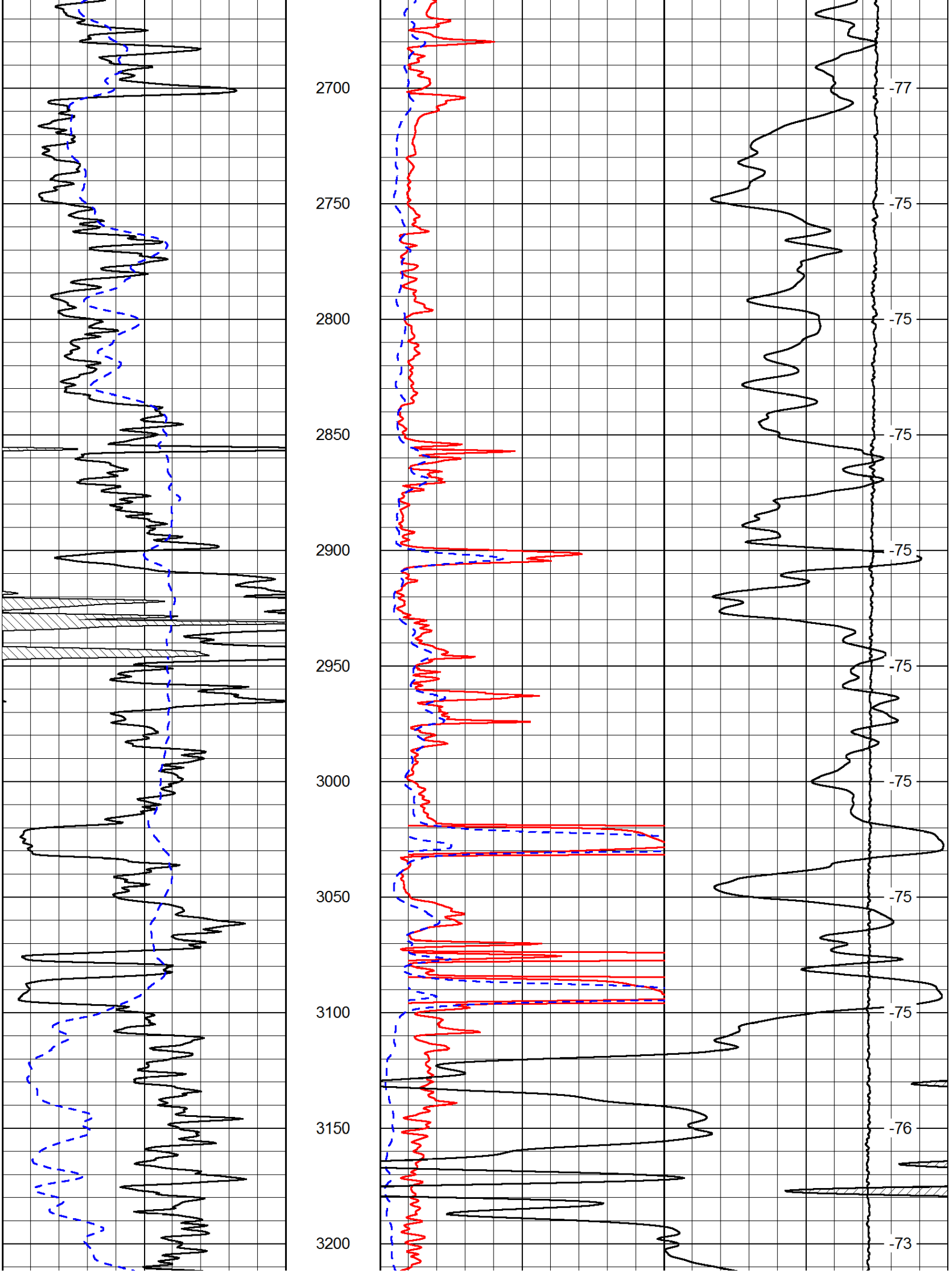
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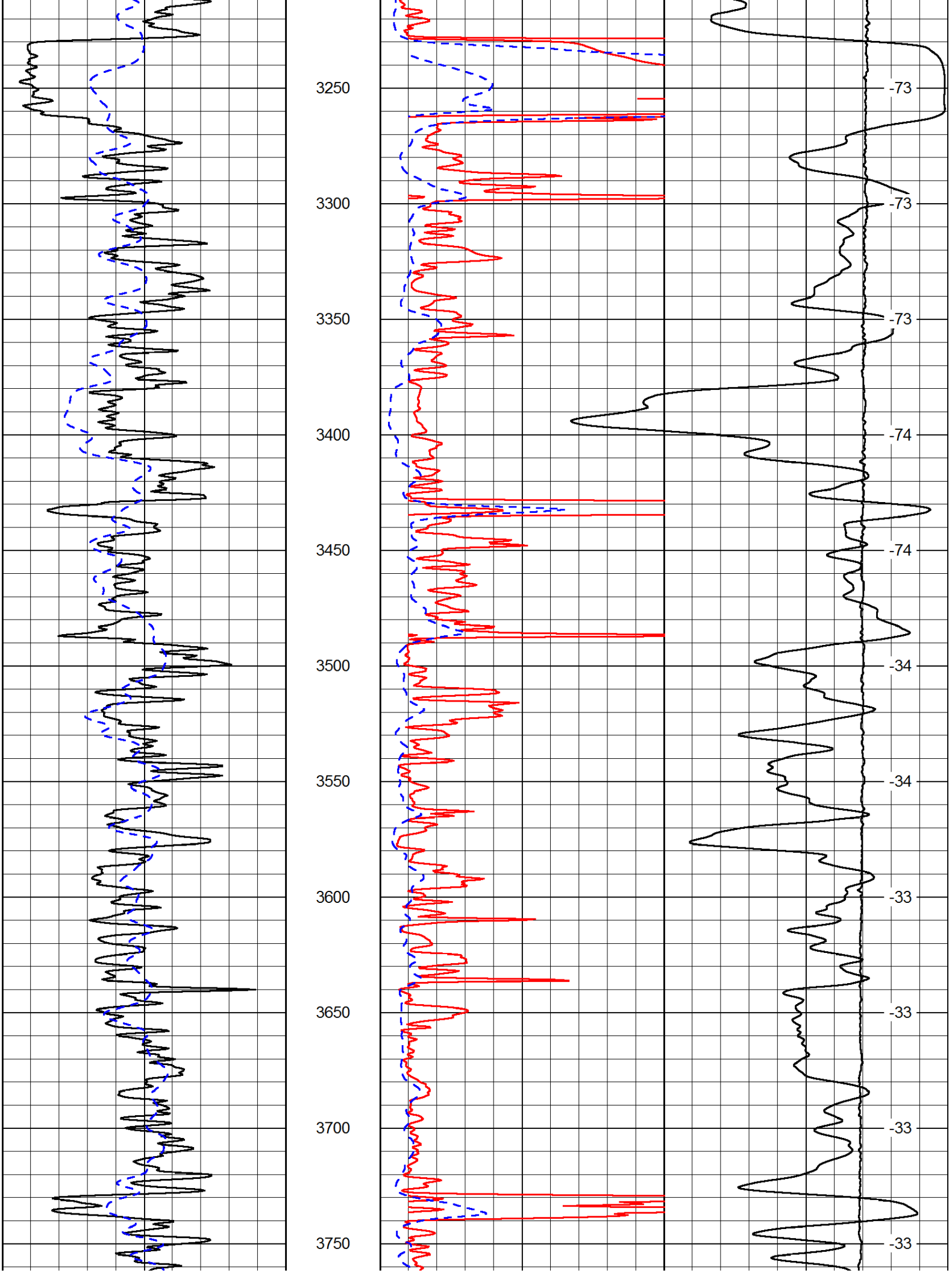
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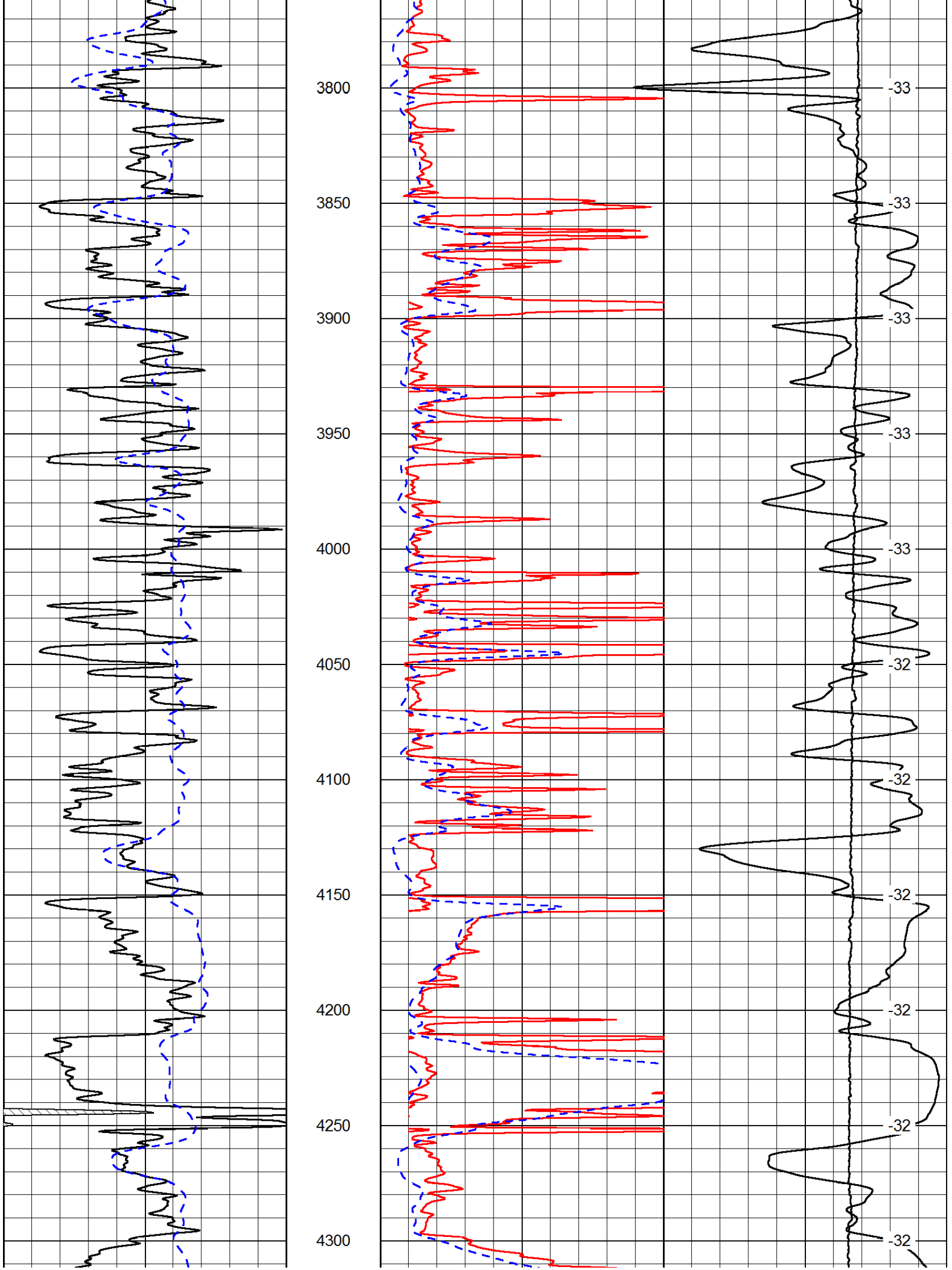
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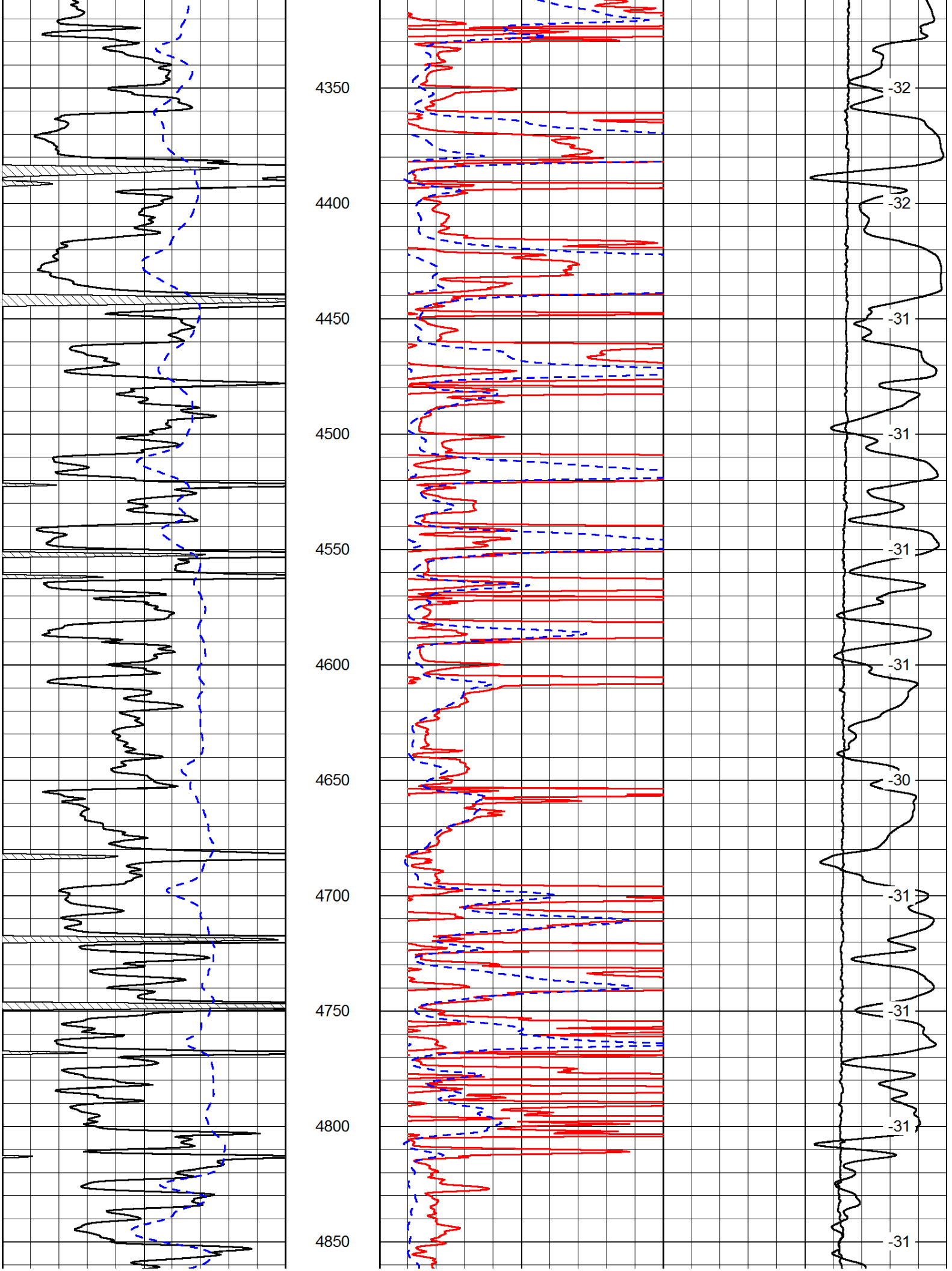
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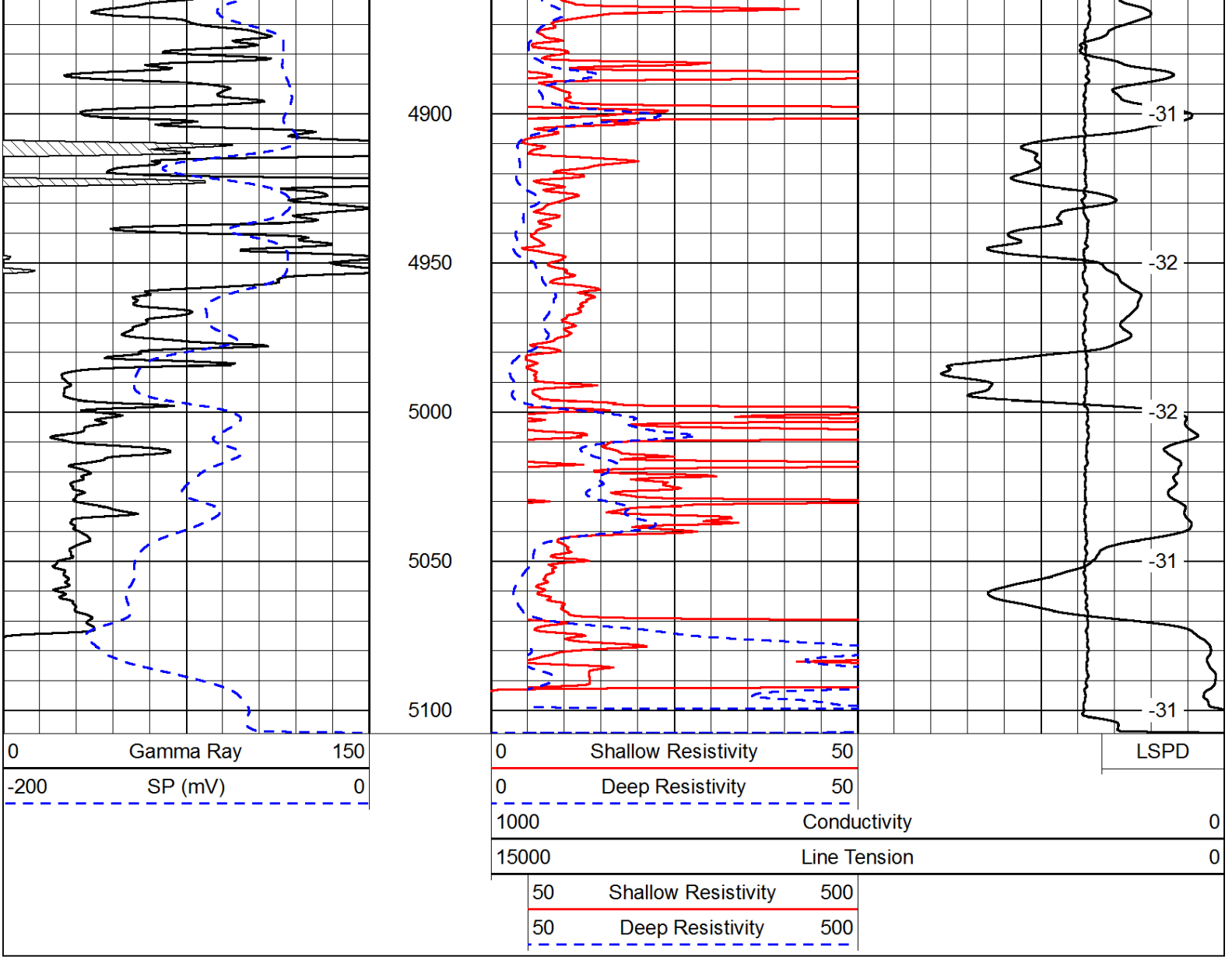

Database File: c:\warrior\data\murfin_cwa b #1-5\murfinhd.db
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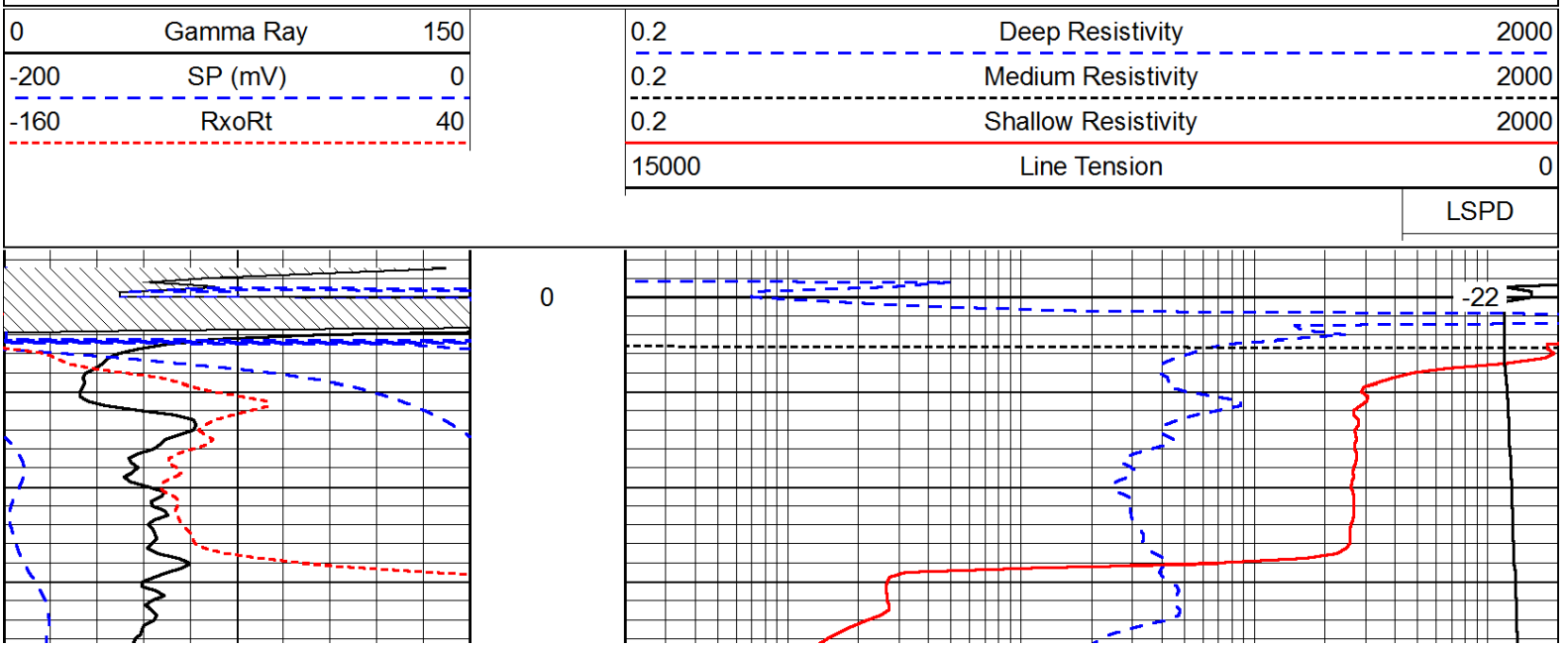
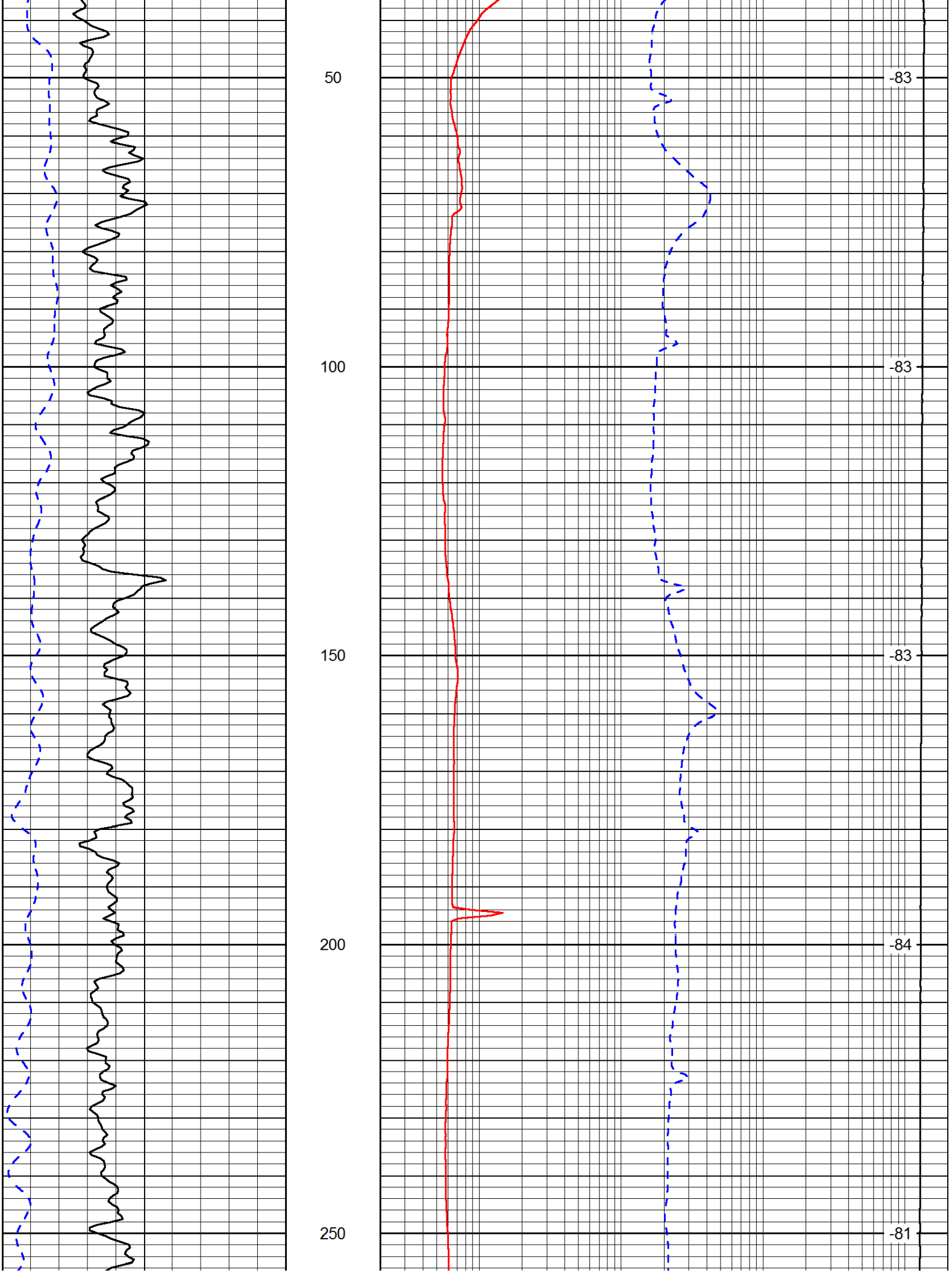
Dataset Creation: Fri Nov 16 22:59:16 2012
Charted by: Depth in Feet scaled 1:240

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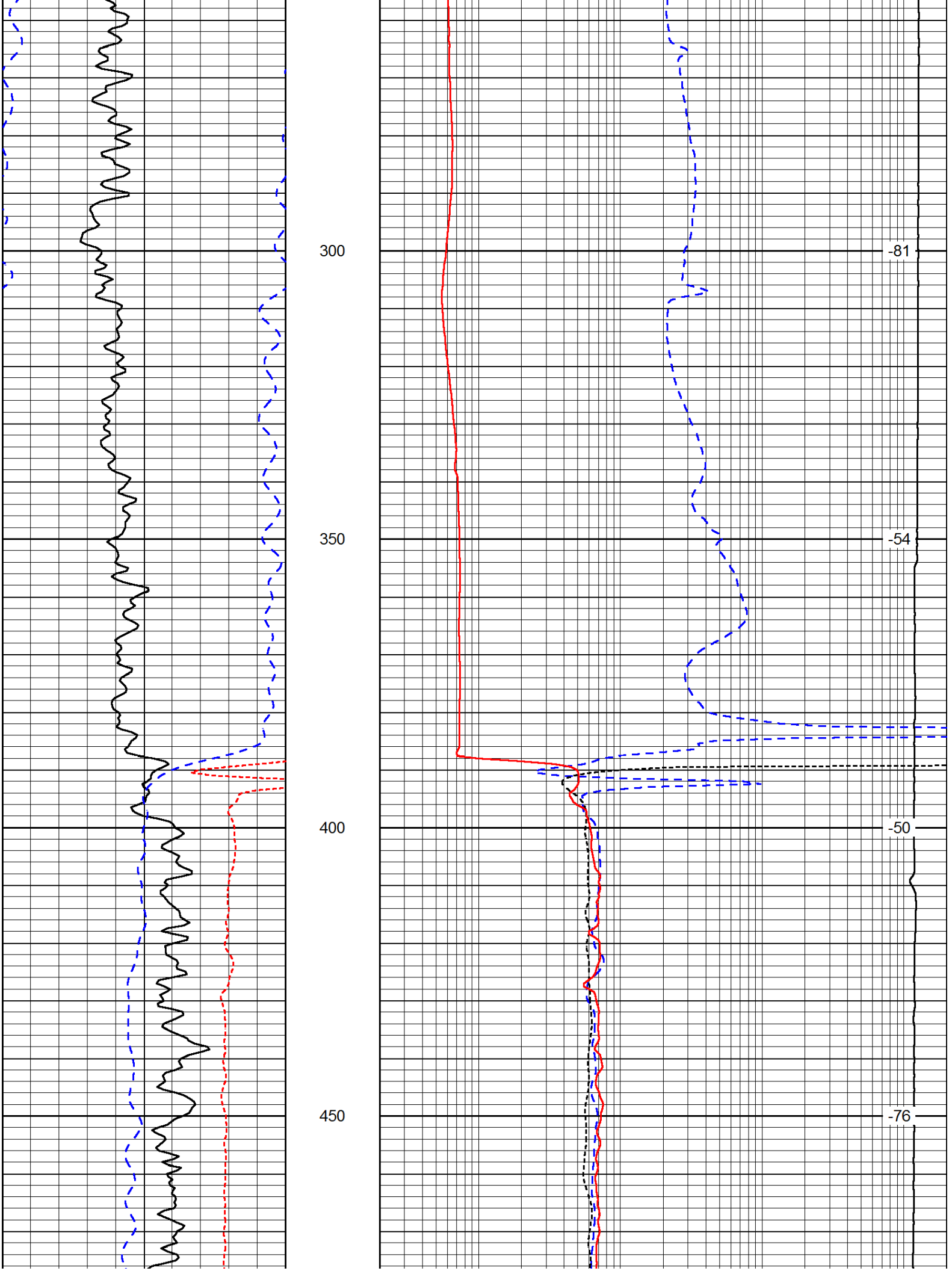
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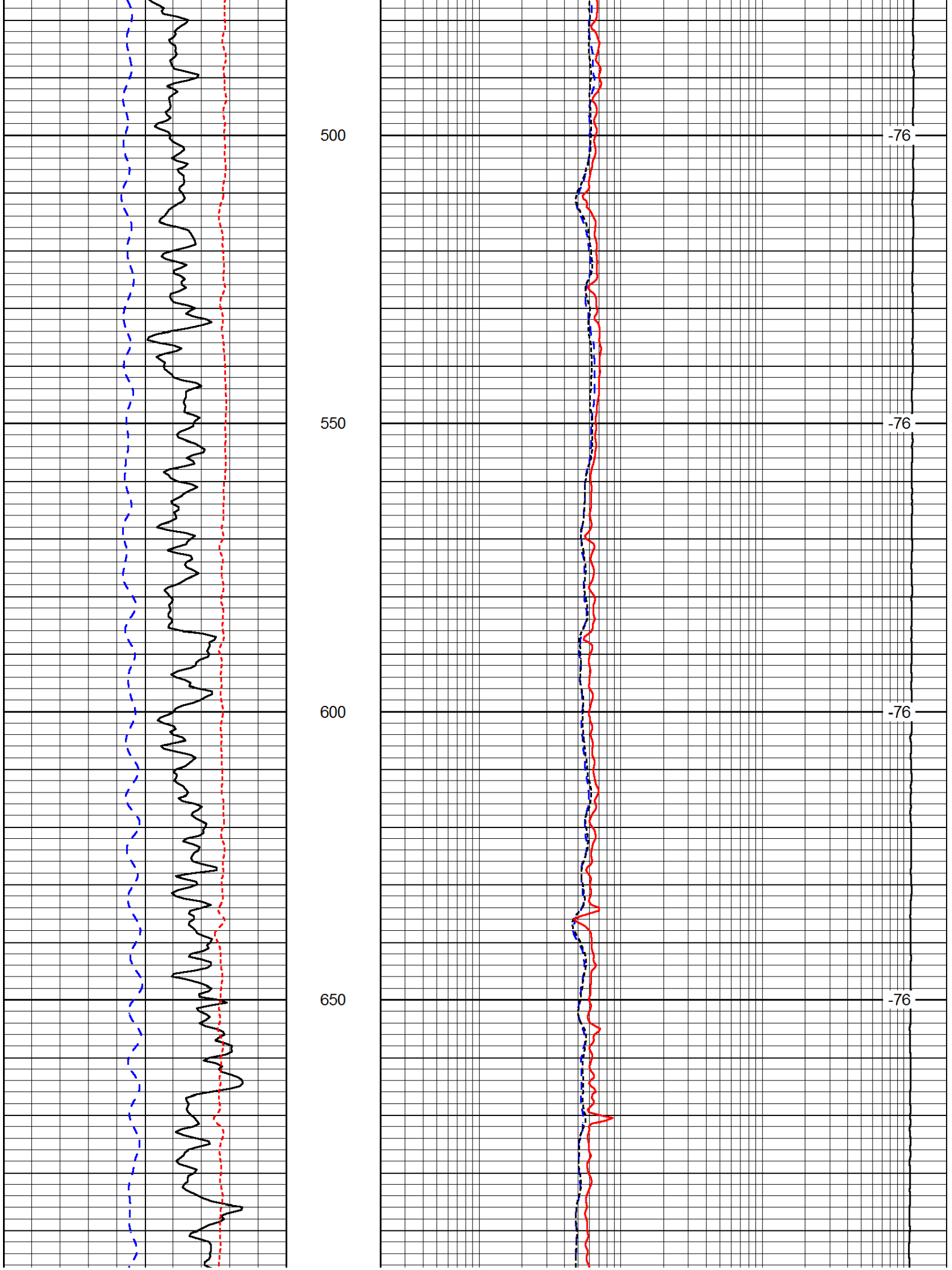
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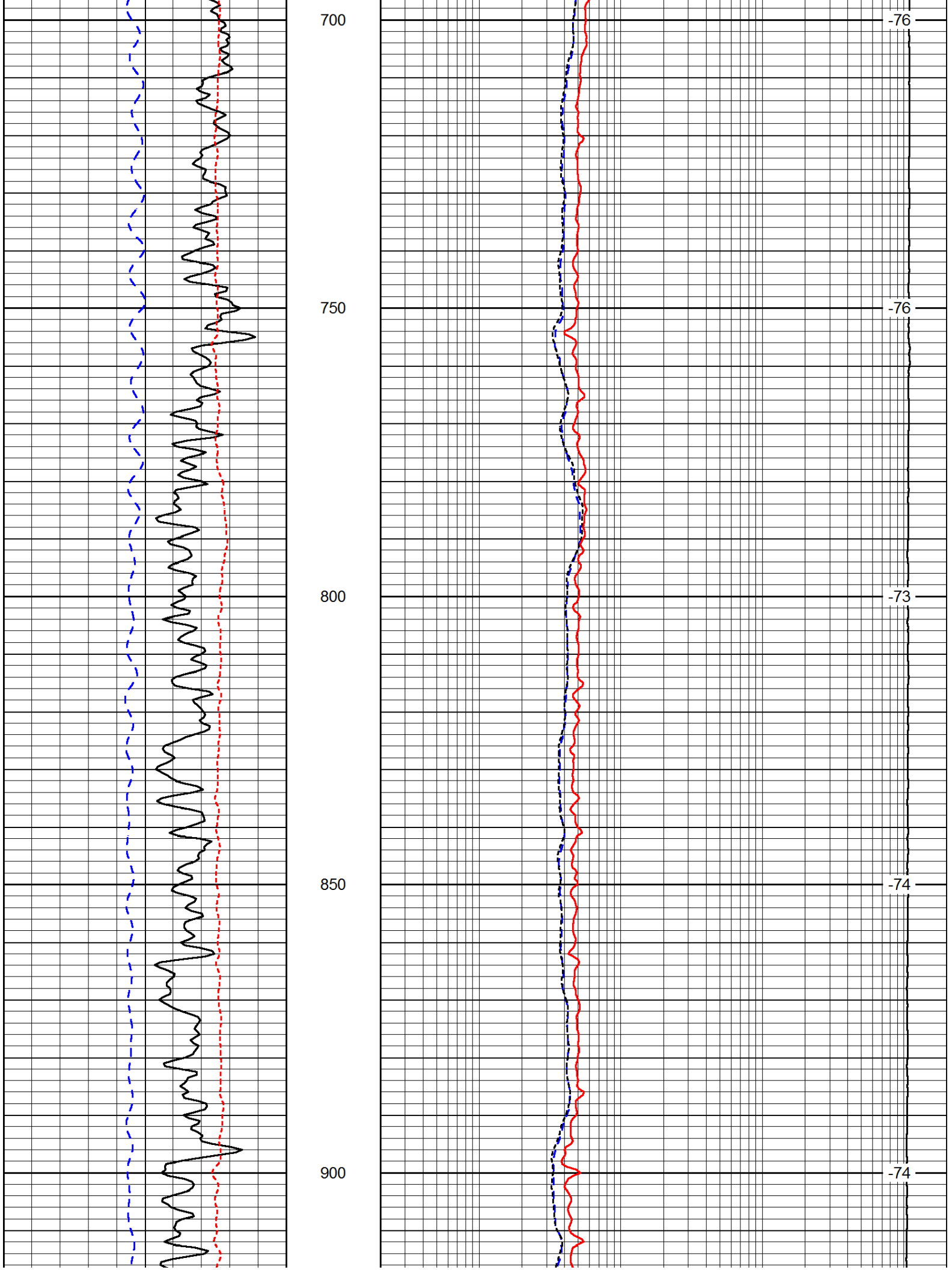
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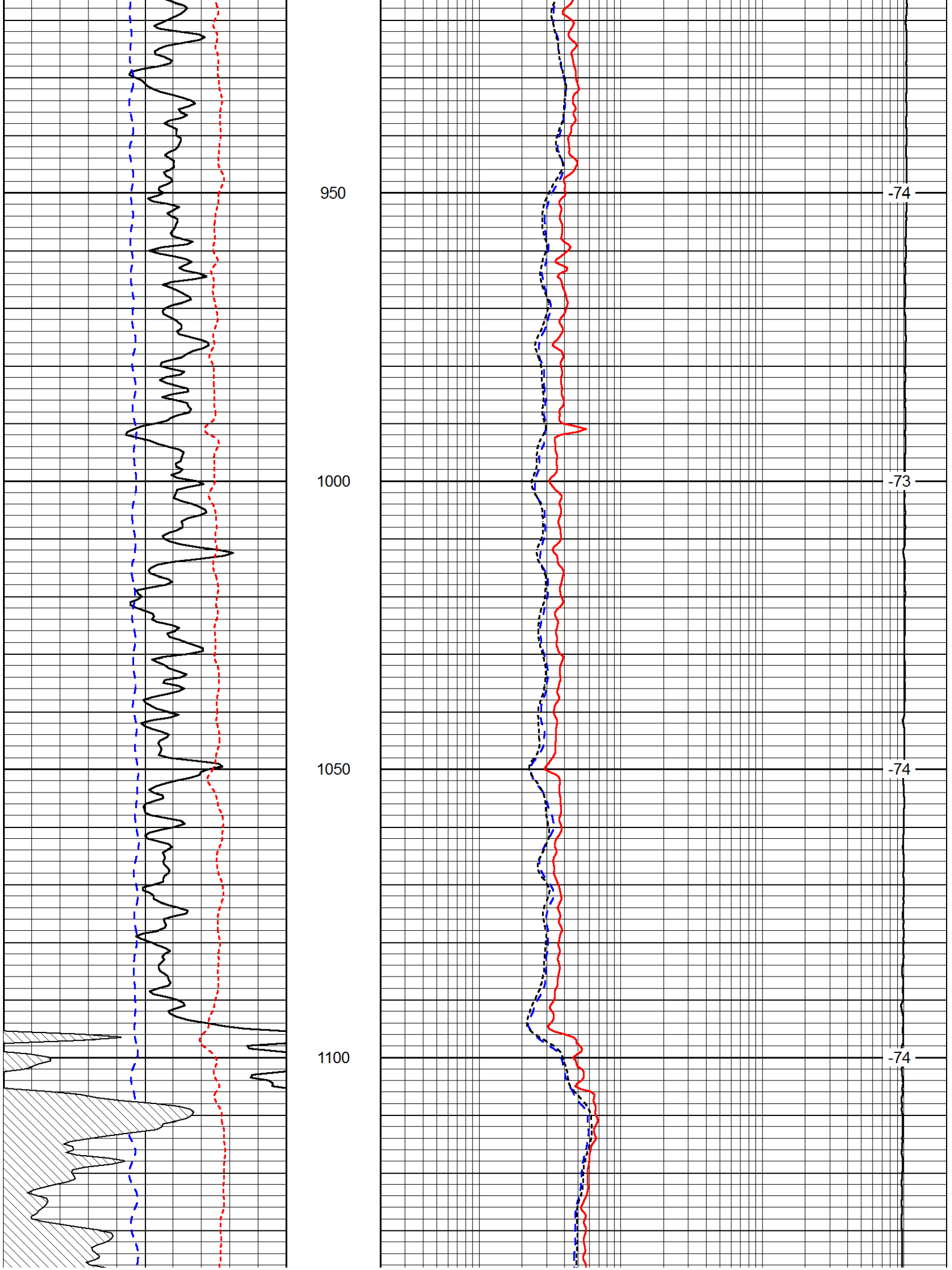
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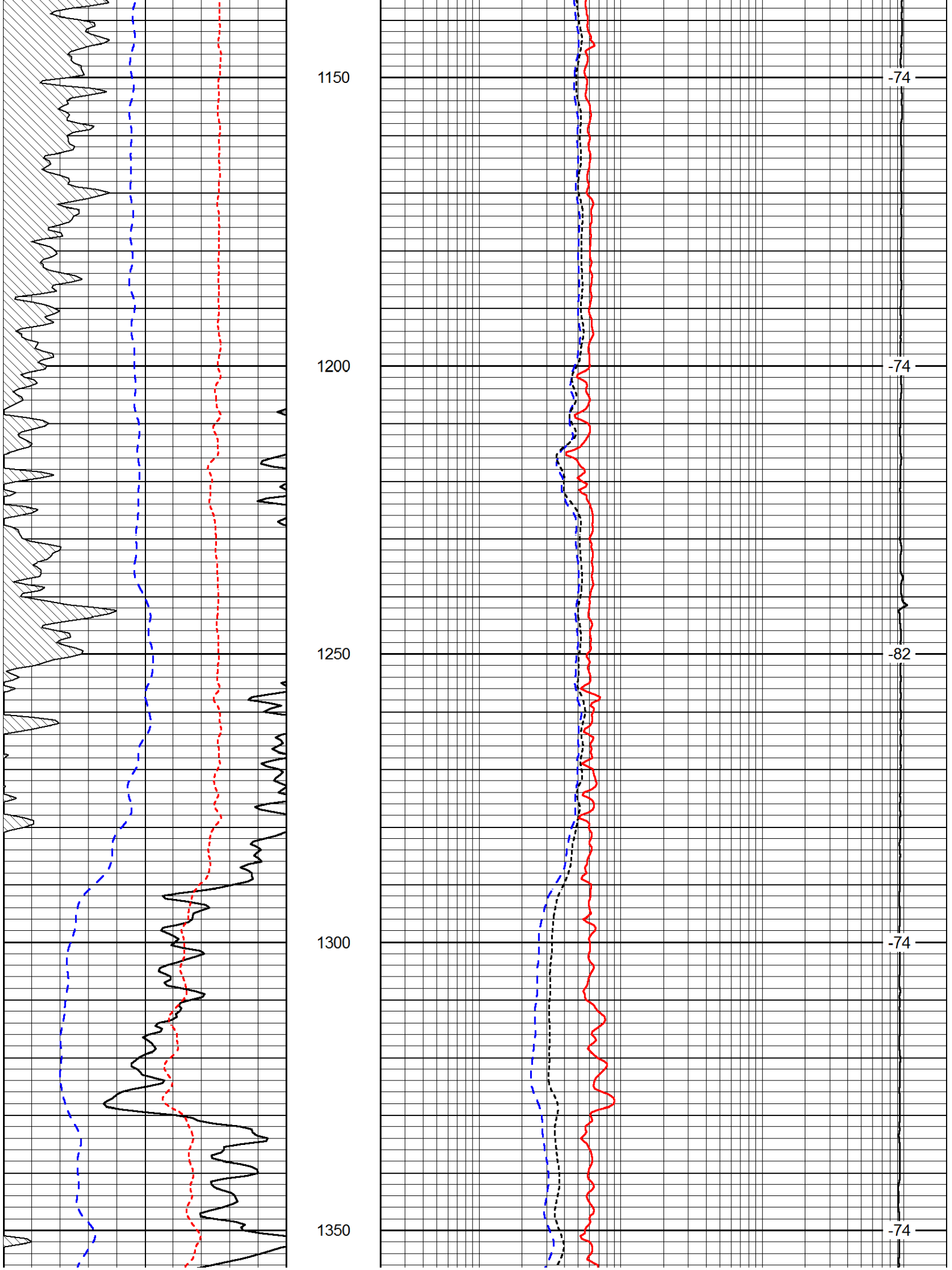
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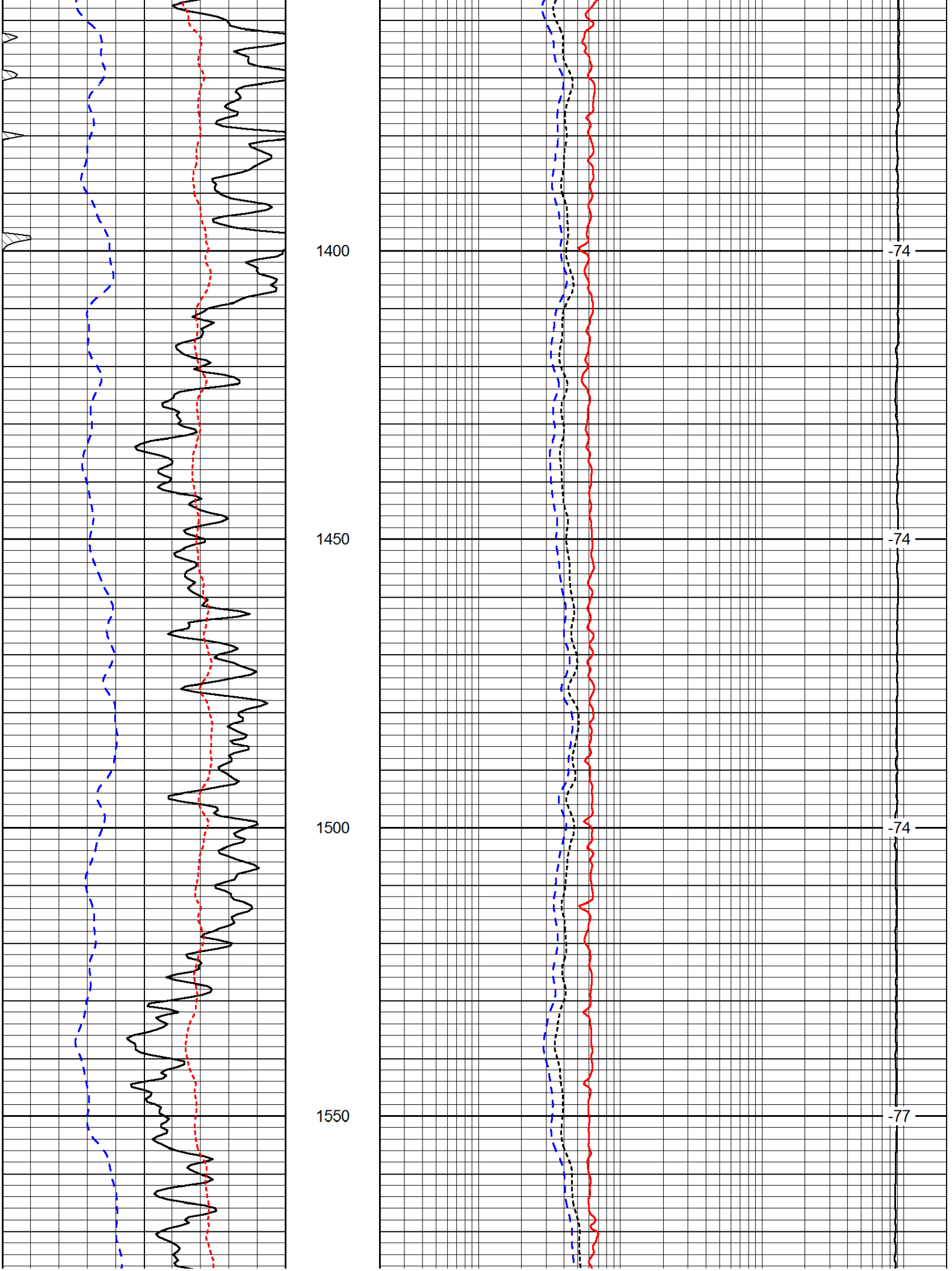
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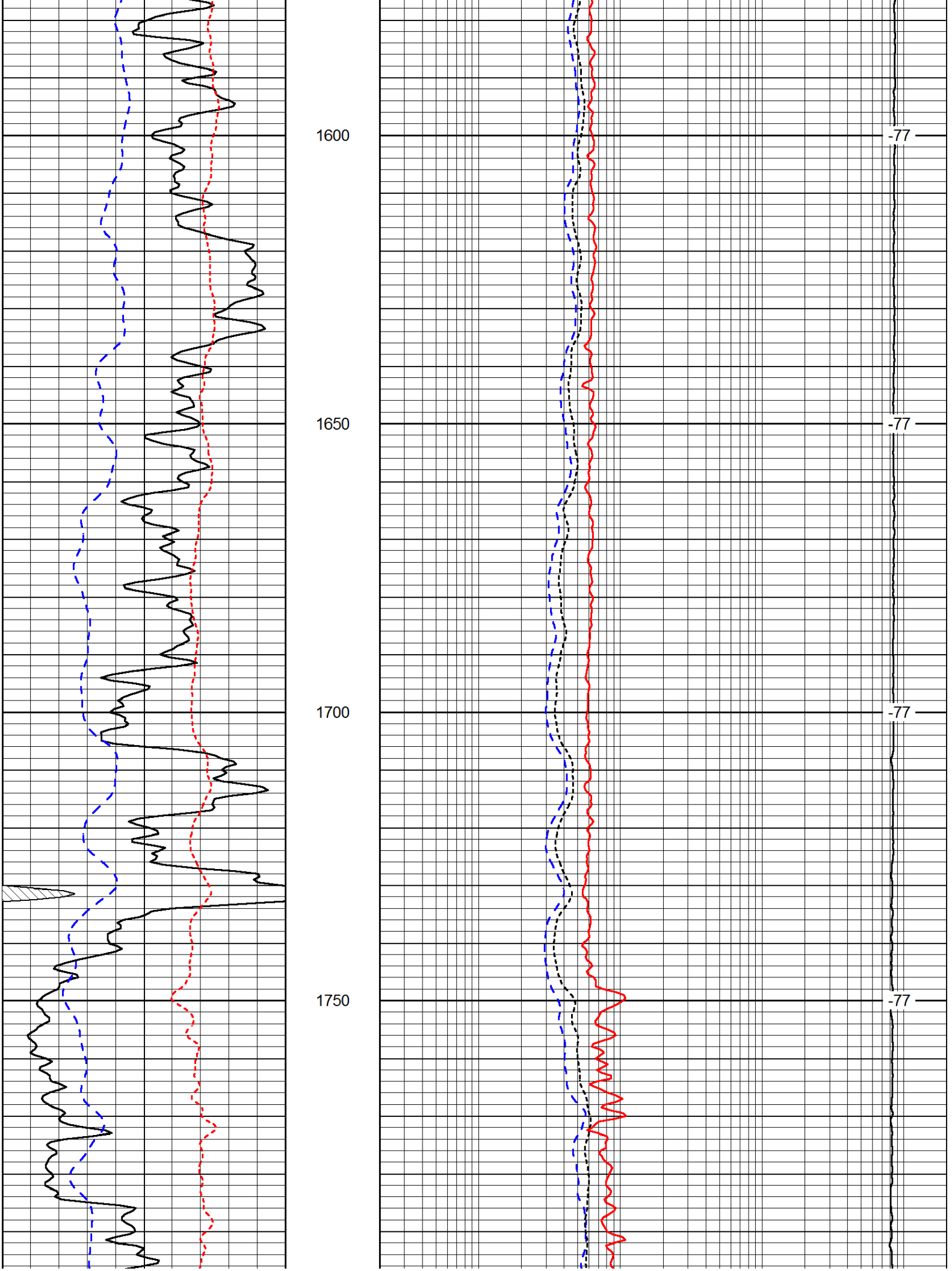
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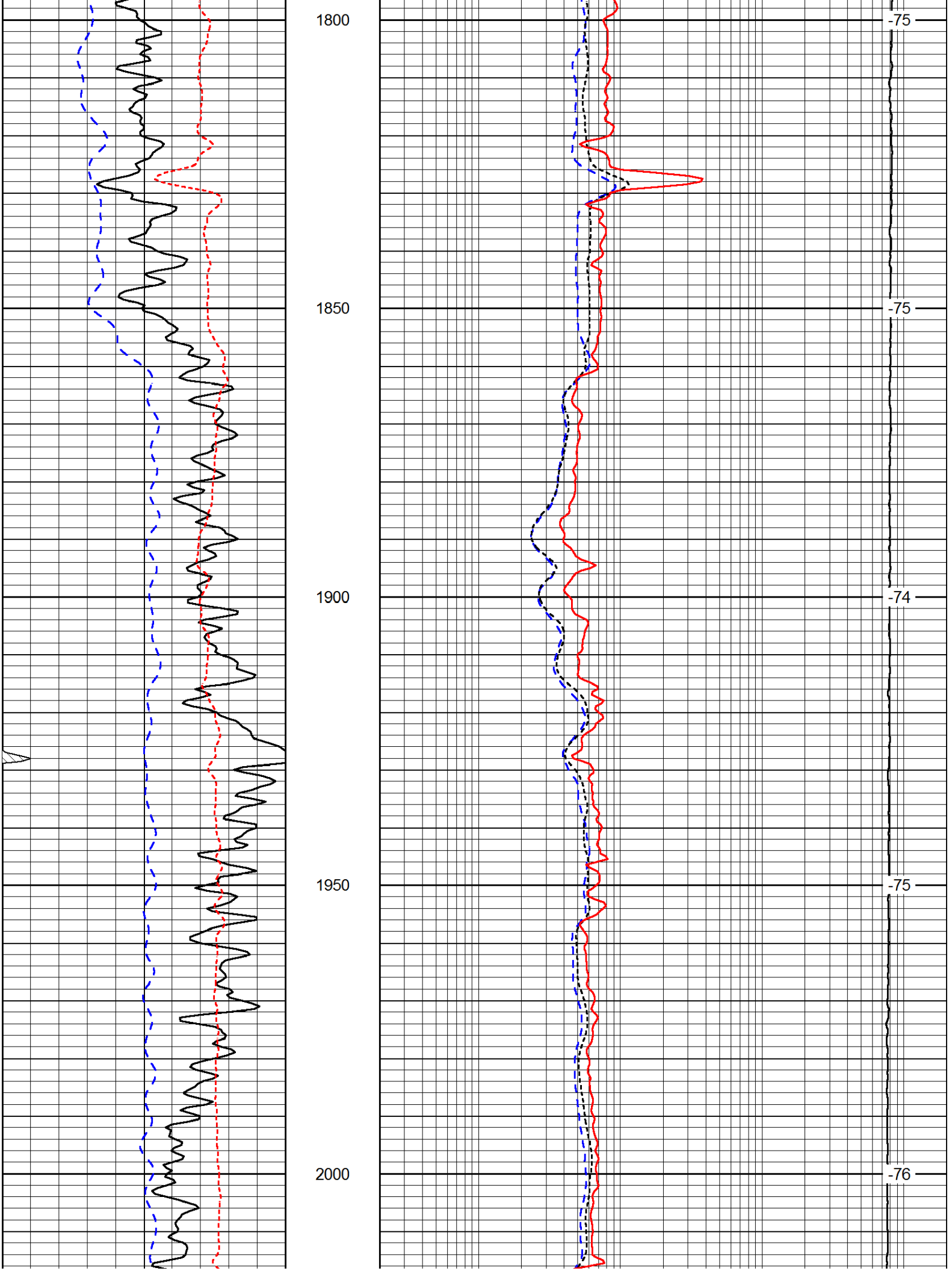
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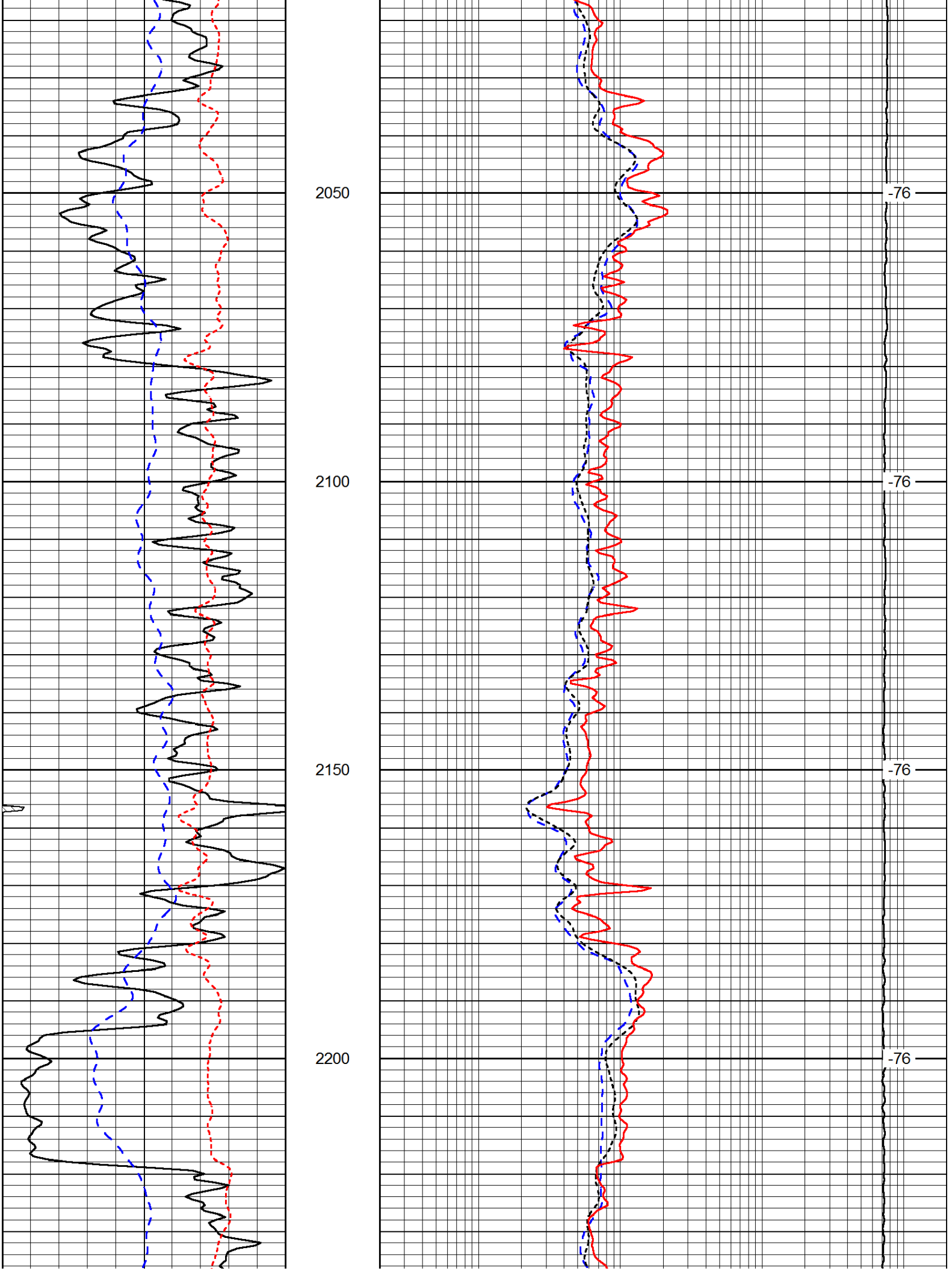
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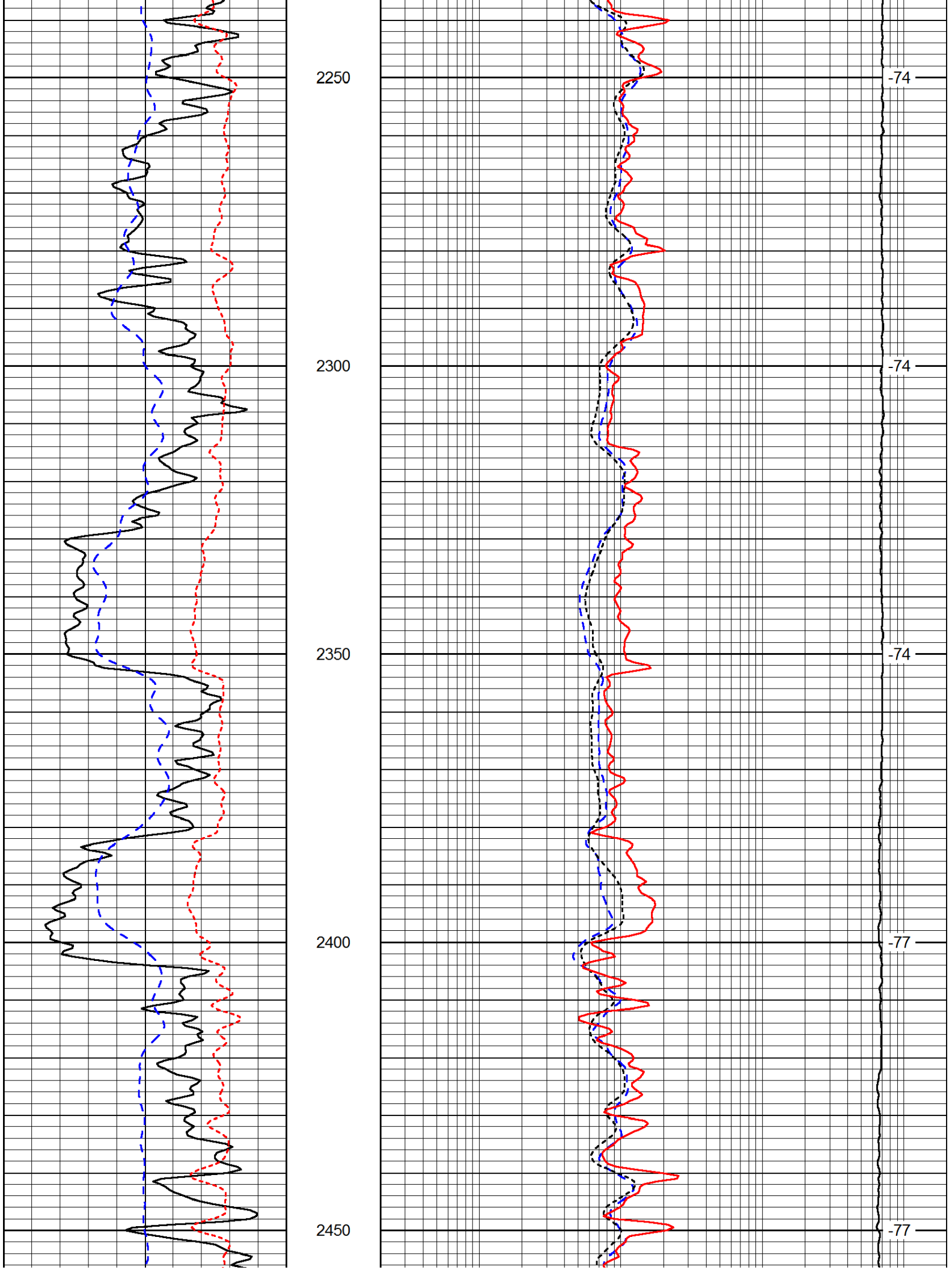
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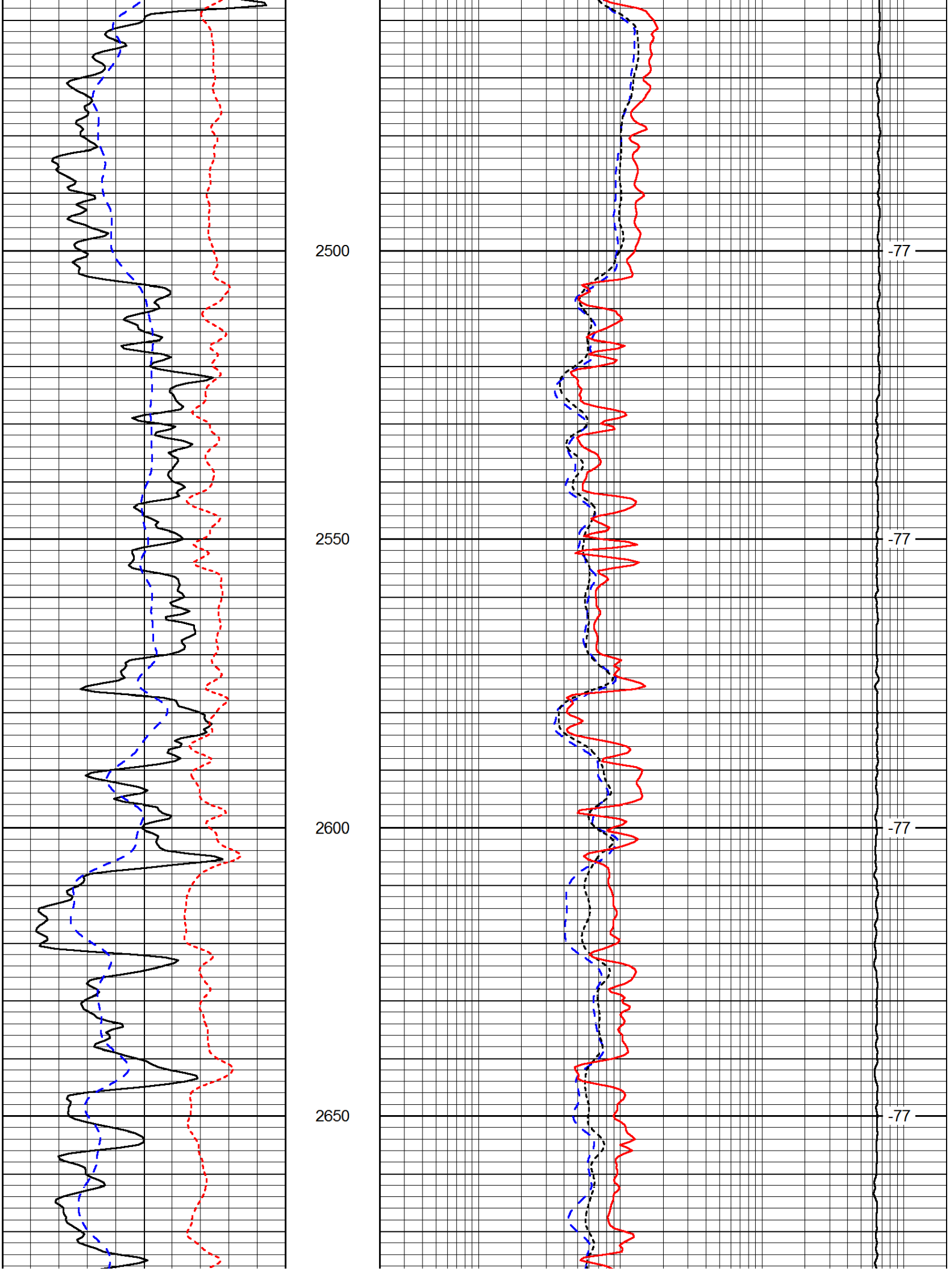
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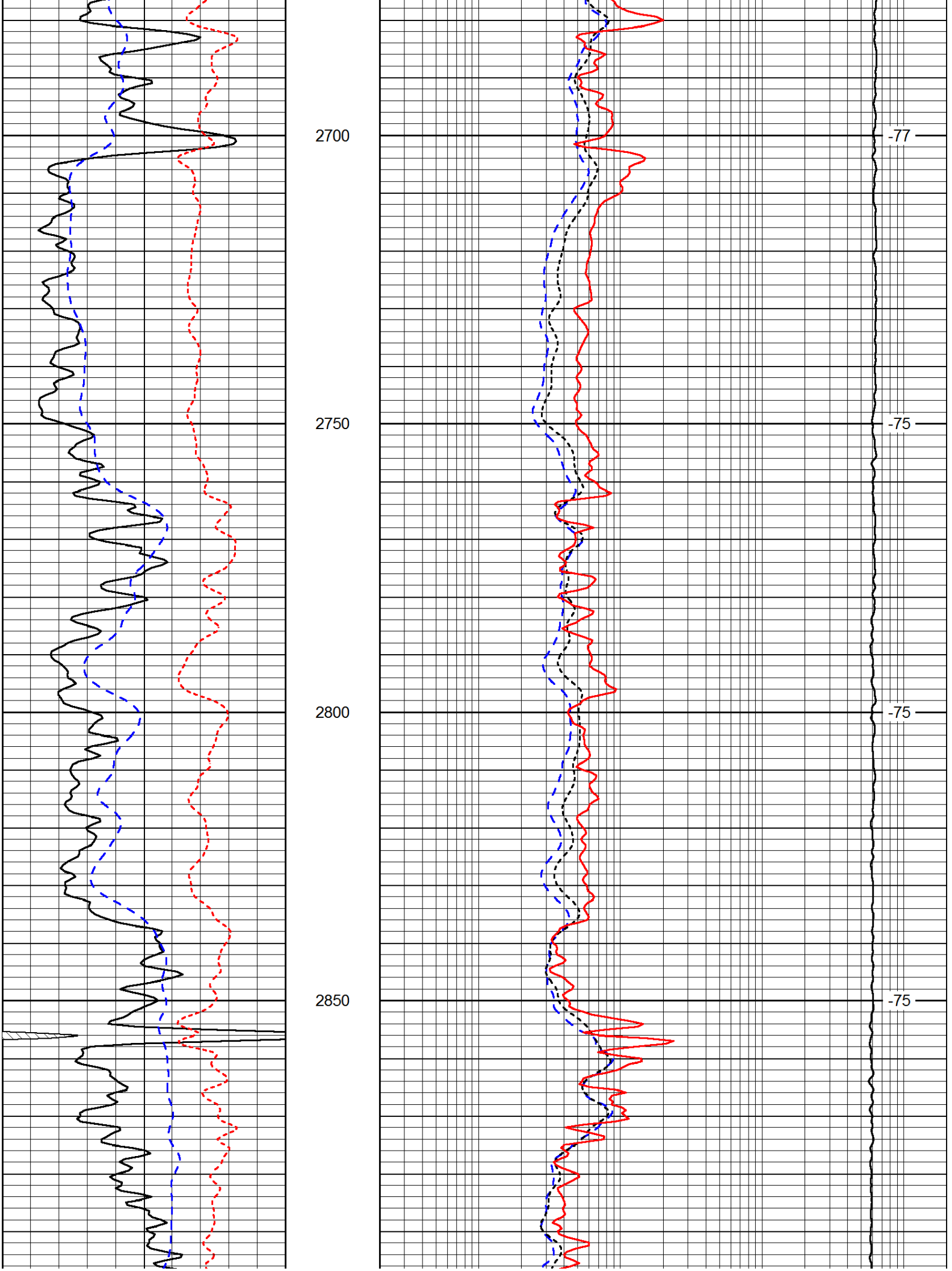
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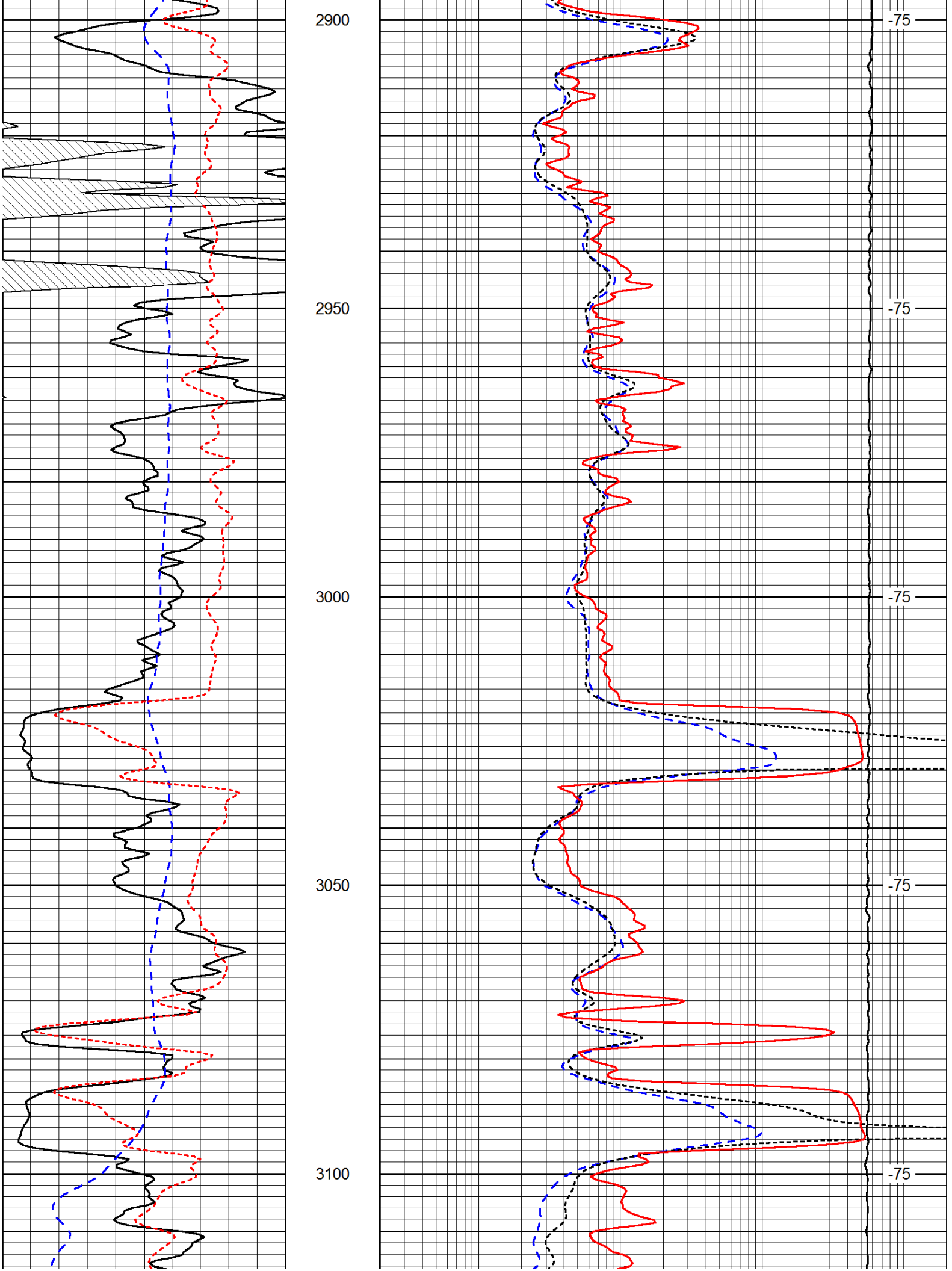
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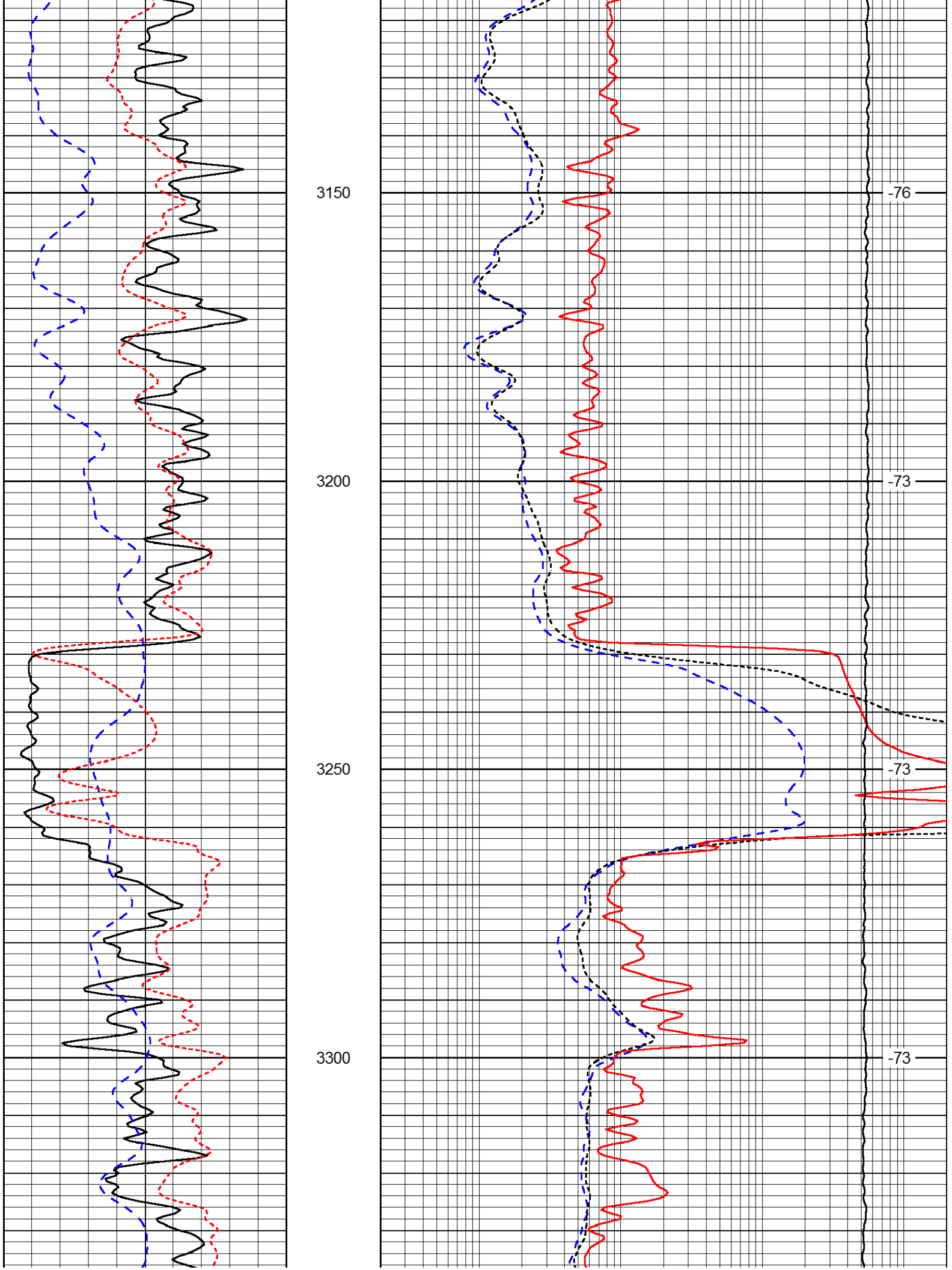
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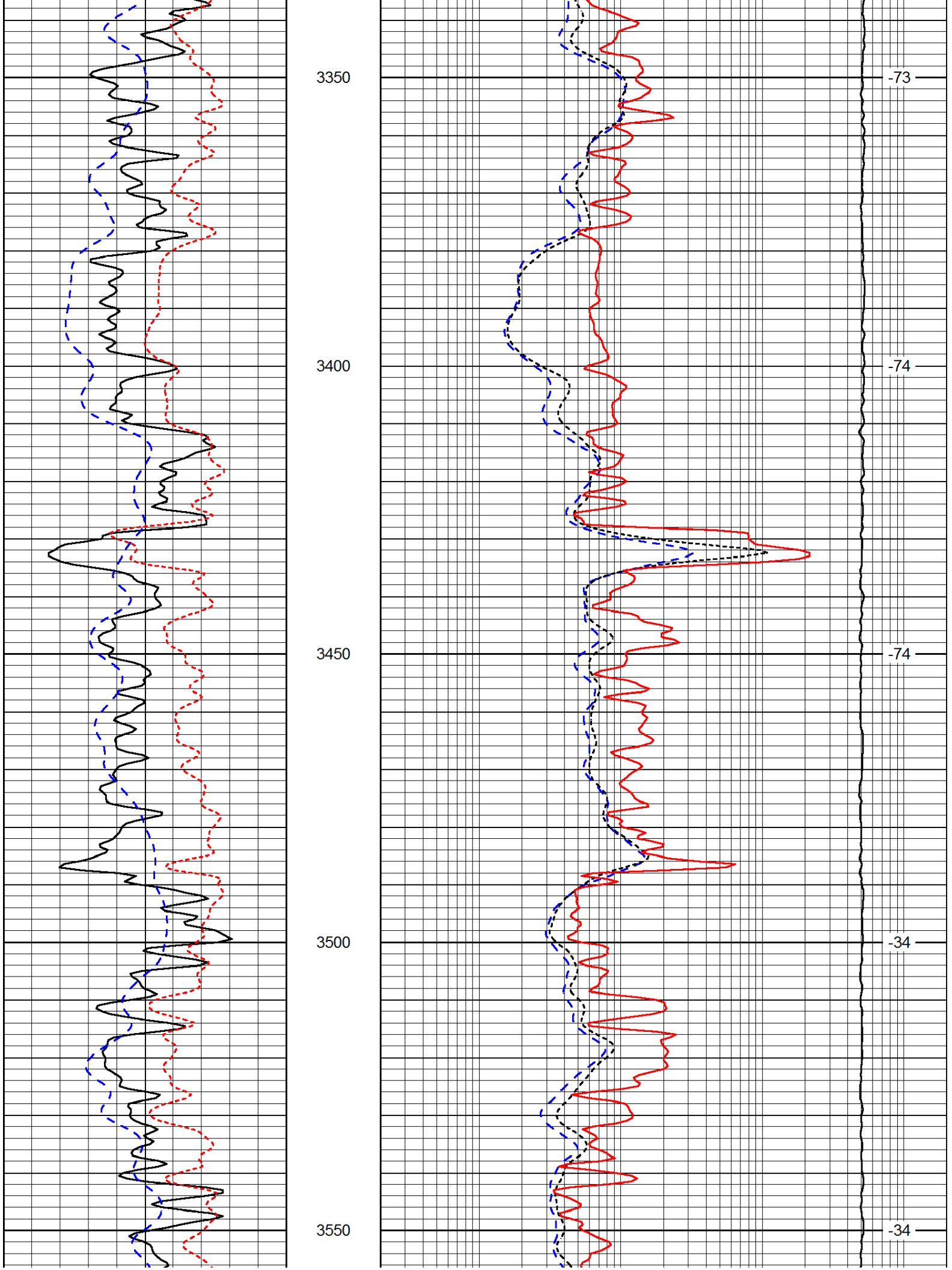
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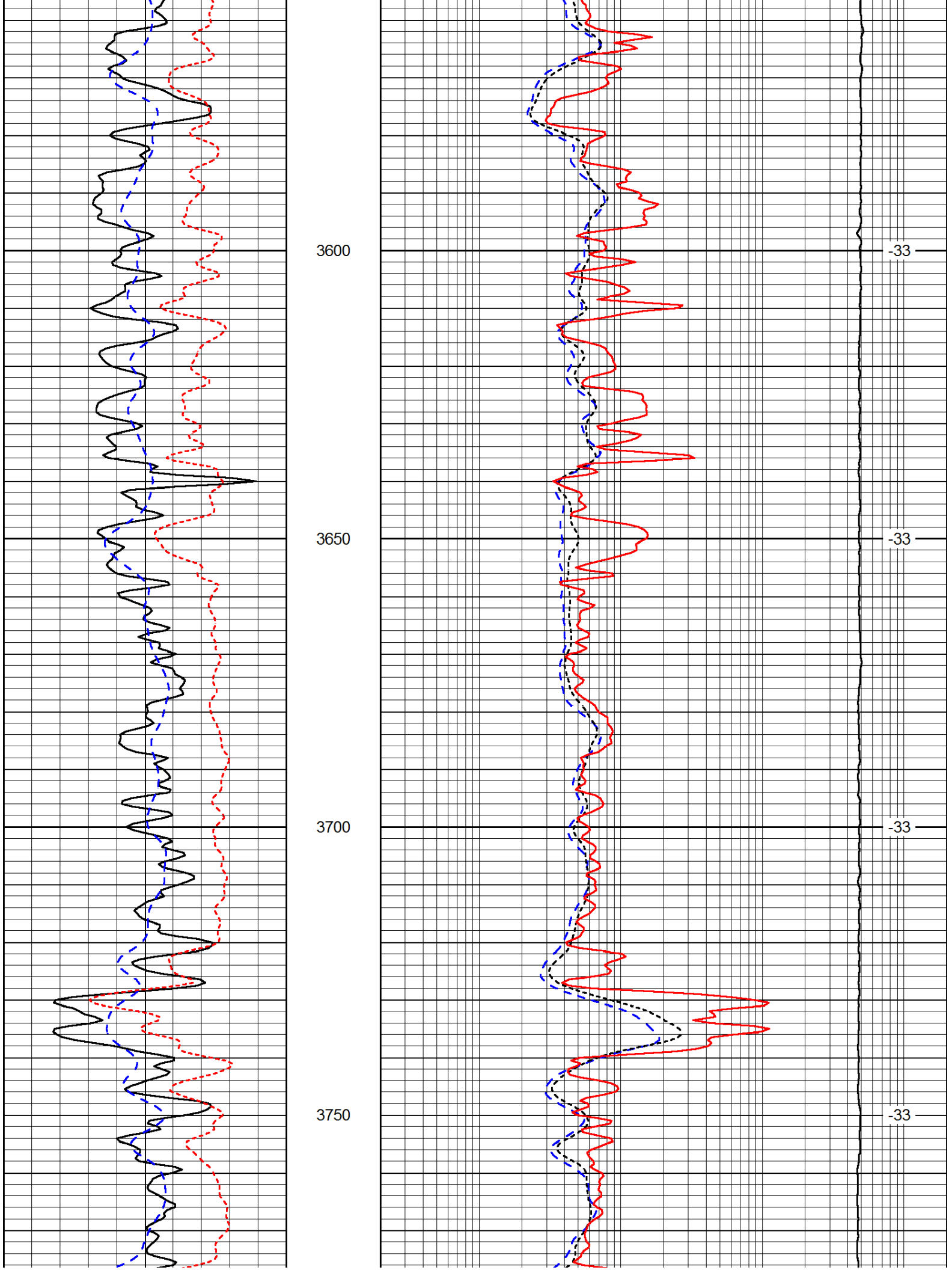
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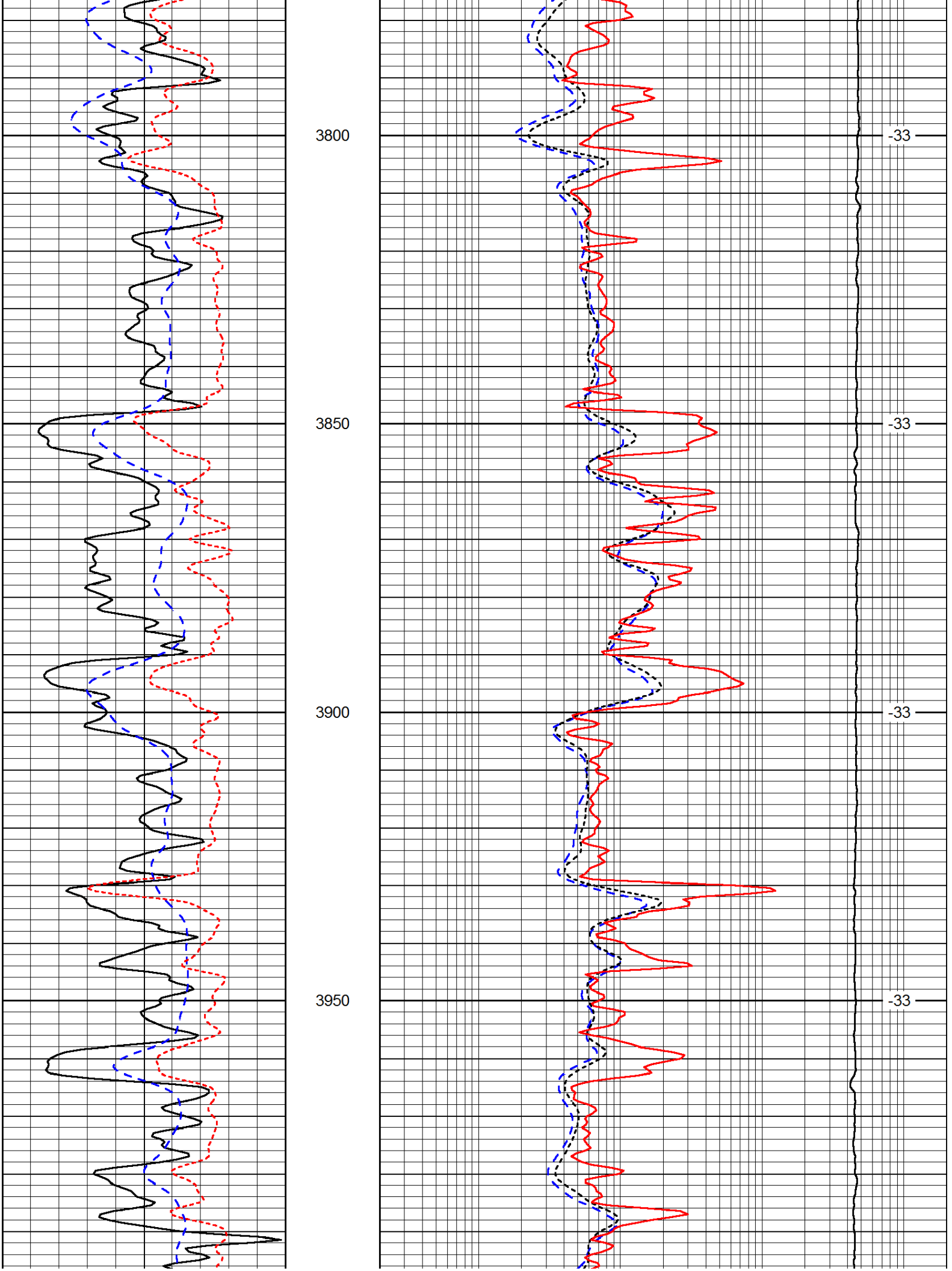
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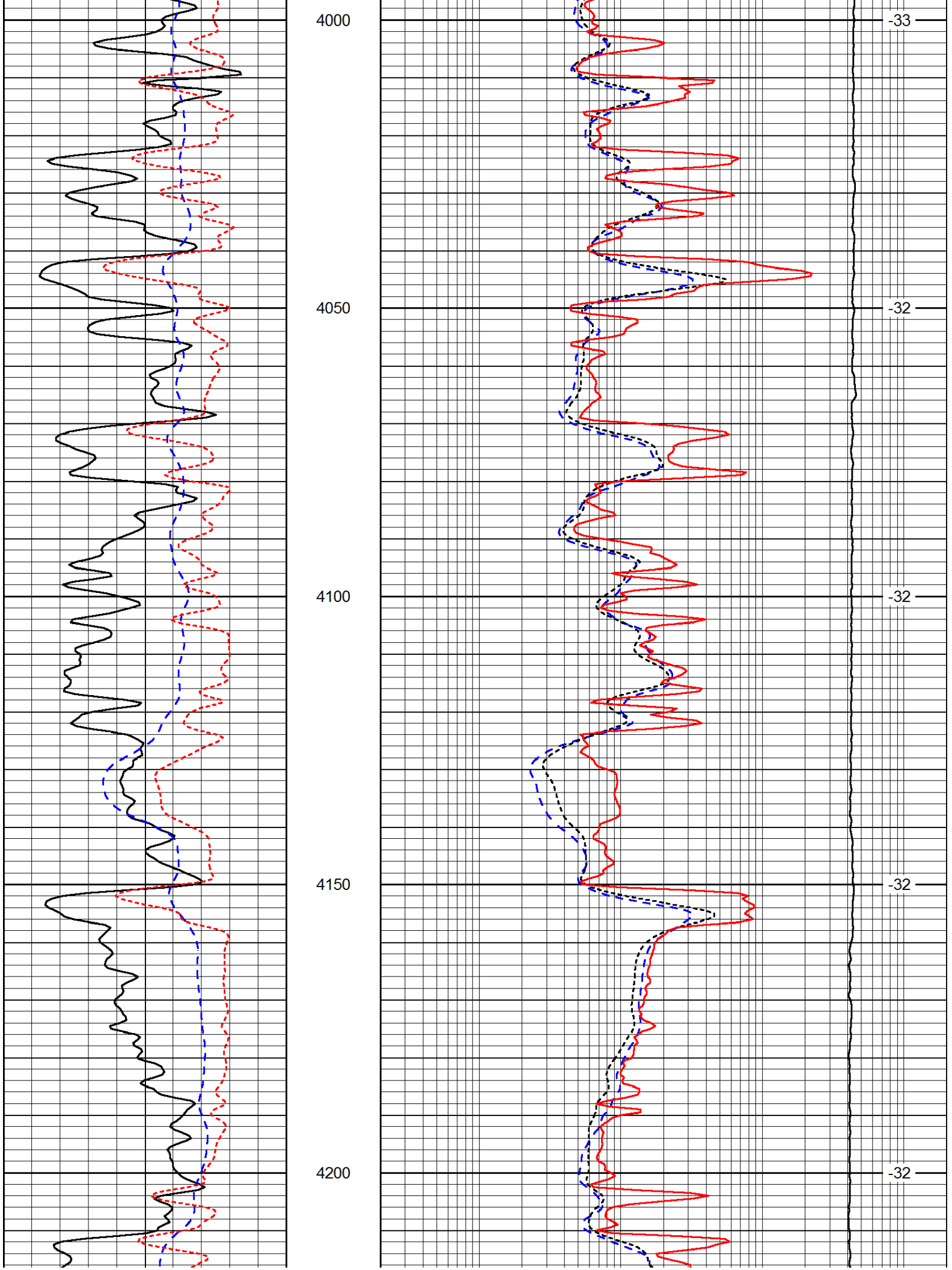
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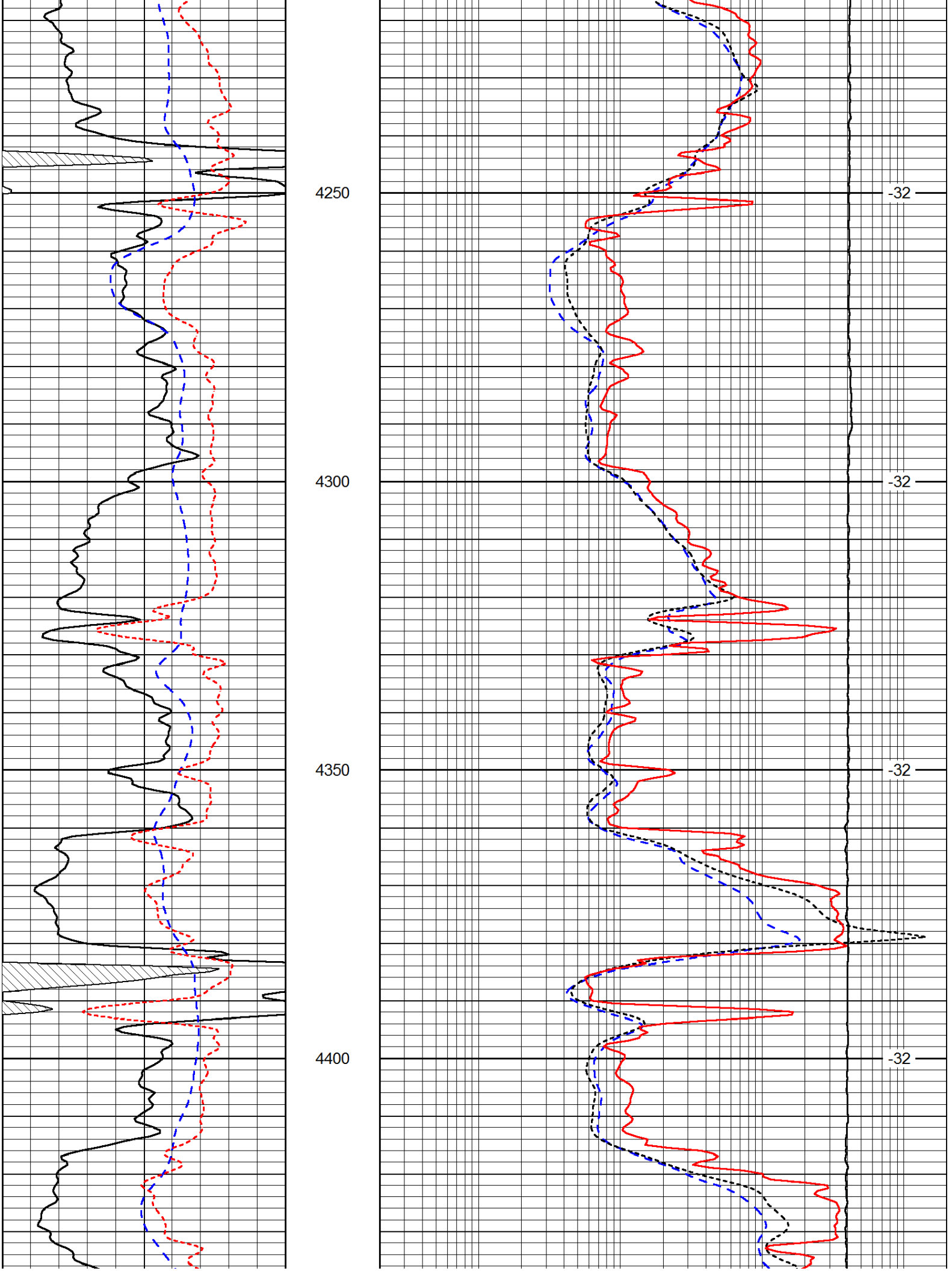
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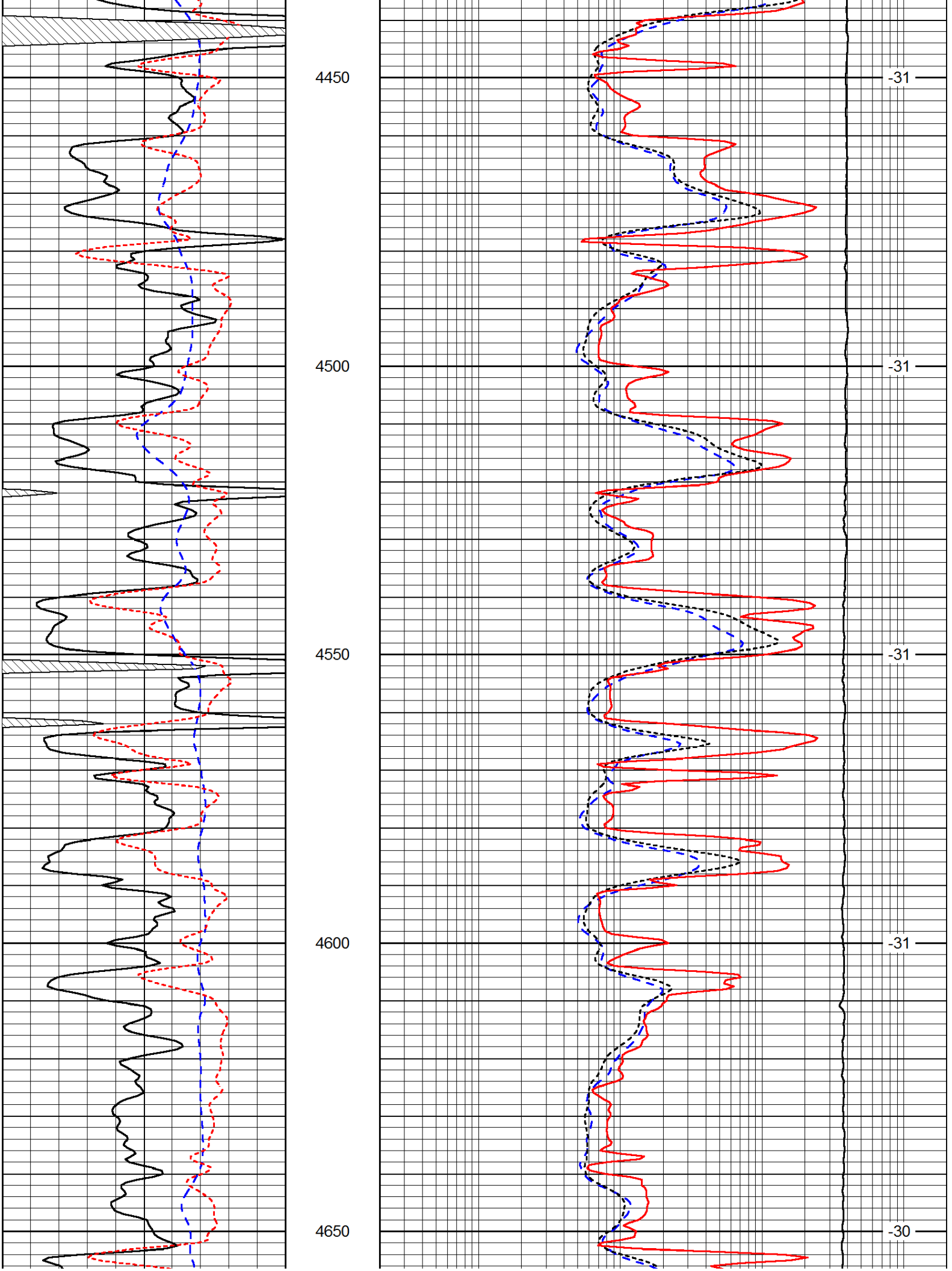
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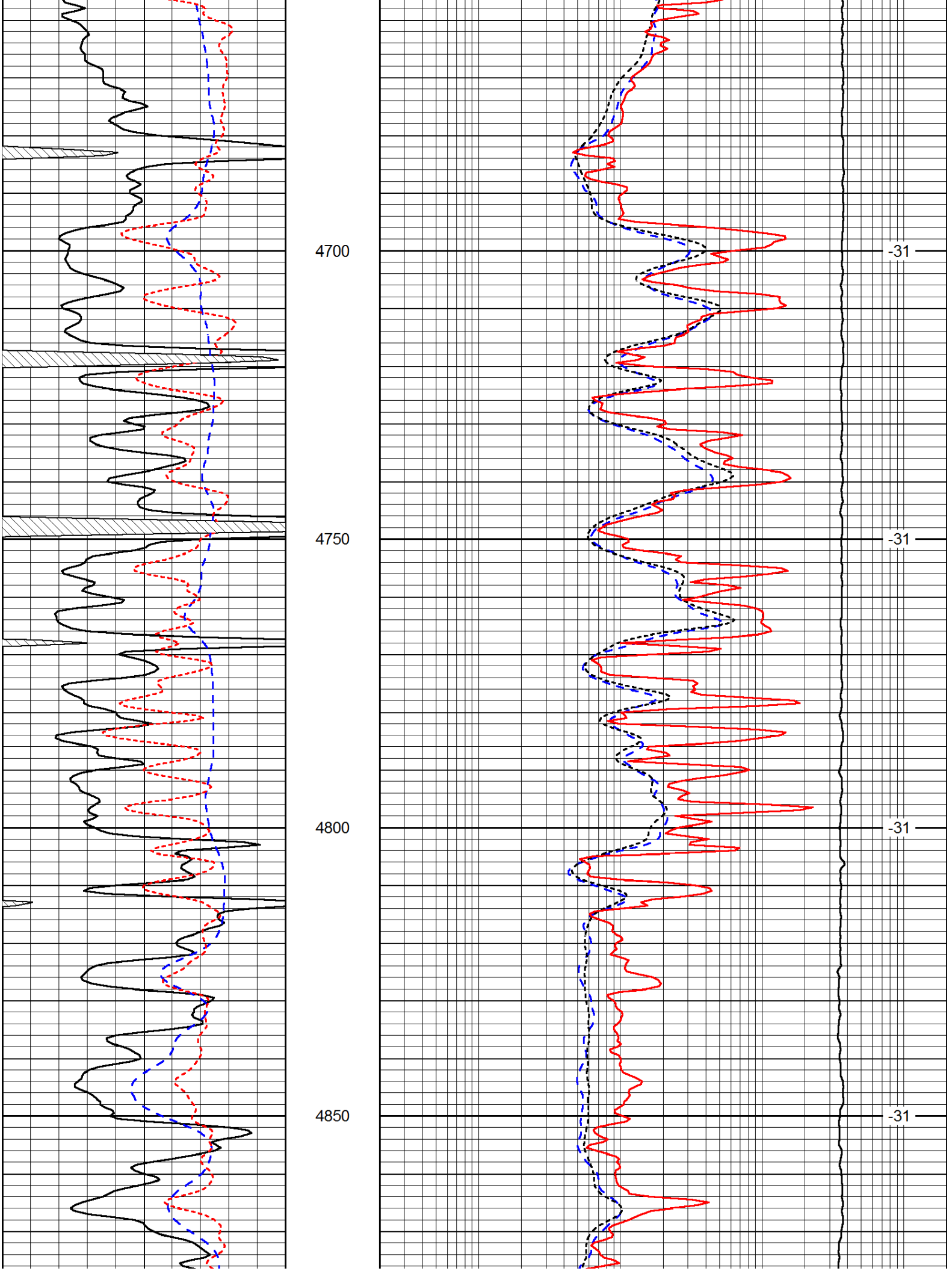
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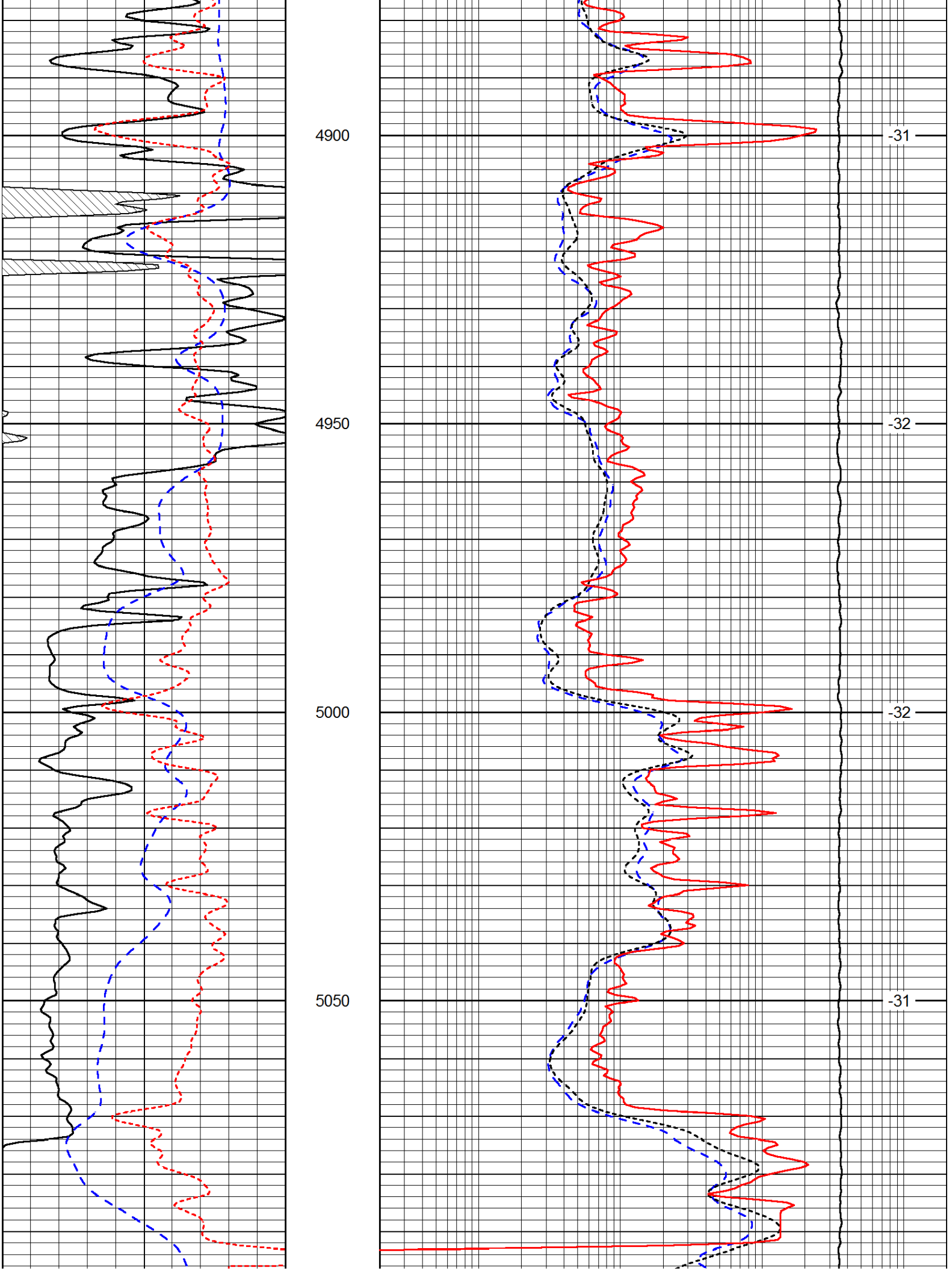
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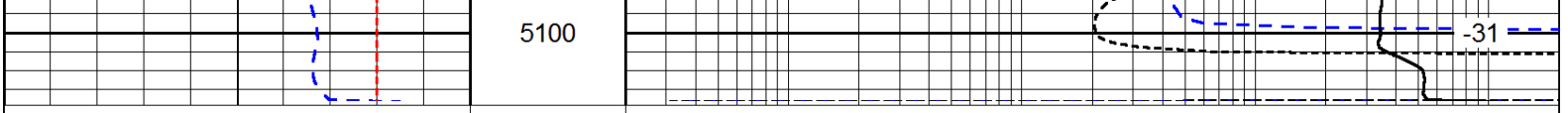

0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

5100

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD