LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-141-20,424-00-00

Company Murfin Drilling Co., Inc.

Well Janet No. 1-9

Field Wildcat

County Osborne State Kansas

Location 2310' FSL & 800' FEL

Sec: 9 Twp: 10 S Rge: 14 W

Other Services
CNL/CDL
MEL/BHCS

Elevation
K.B. 1992
D.F.
G.L. 1987

Permanent Datum Ground Level Elevation 1987
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	12/18/2010			
Run Number	One			
Depth Driller	3922			
Depth Logger	3922			
Bottom Logged Interval	3921			
Top Log Interval	00			
Casing Driller	8.625 @ 222			
Casing Logger	220			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	4,700			
Density / Viscosity	9.3 | 52			
pH / Fluid Loss	11.0 | 6.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	.85 @ 50			
Rmf @ Meas. Temp	.64 @ 50			
Rmc @ Meas. Temp	1.15 @ 50			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.36 @ 117			
Operating Rig Time	5 Hours			
Max. Rec. Temp. F	117			
Equipment Number	4			
Location	Hays			
Recorded By	K. Bange			
Witnessed By	Rocky Milford			

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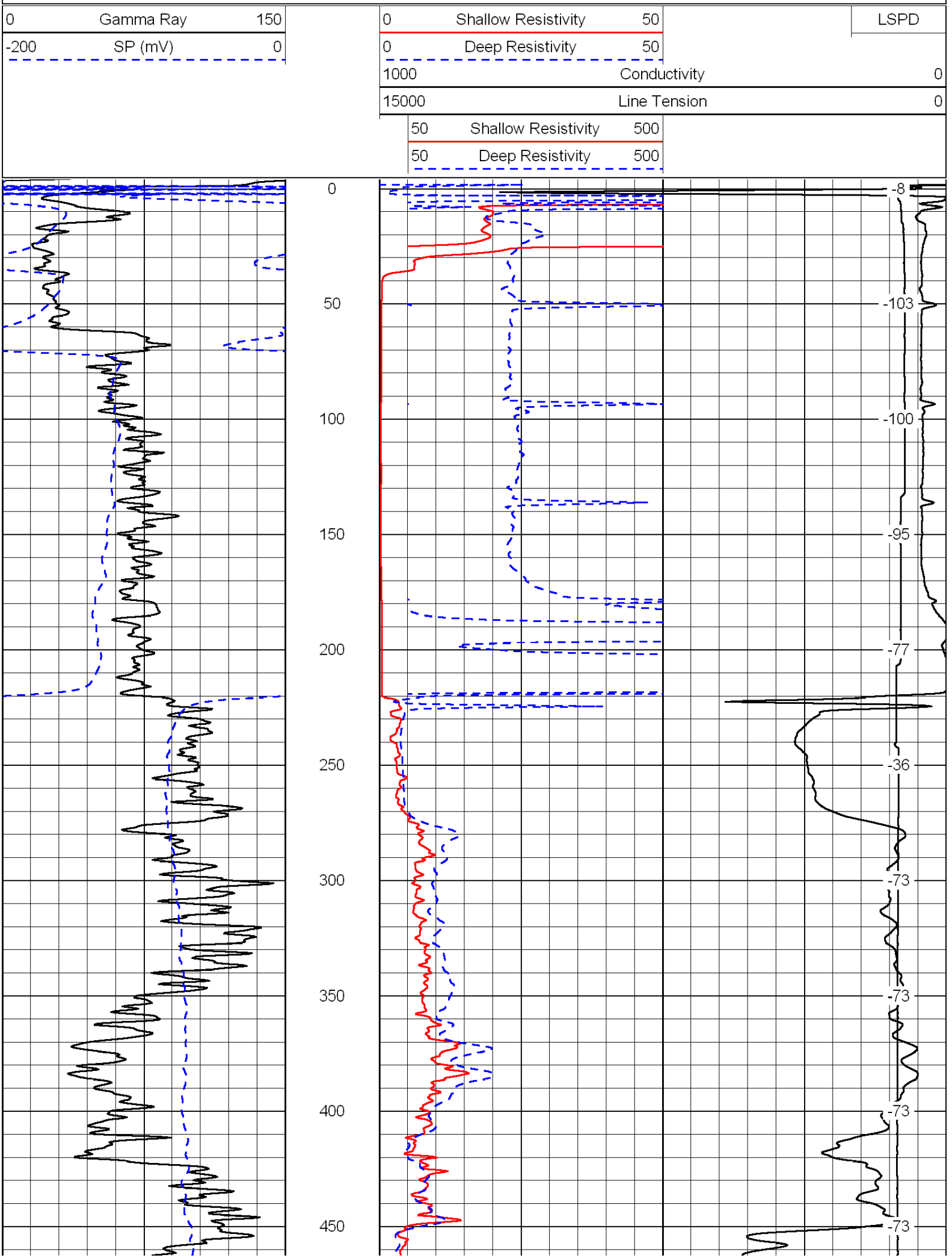
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

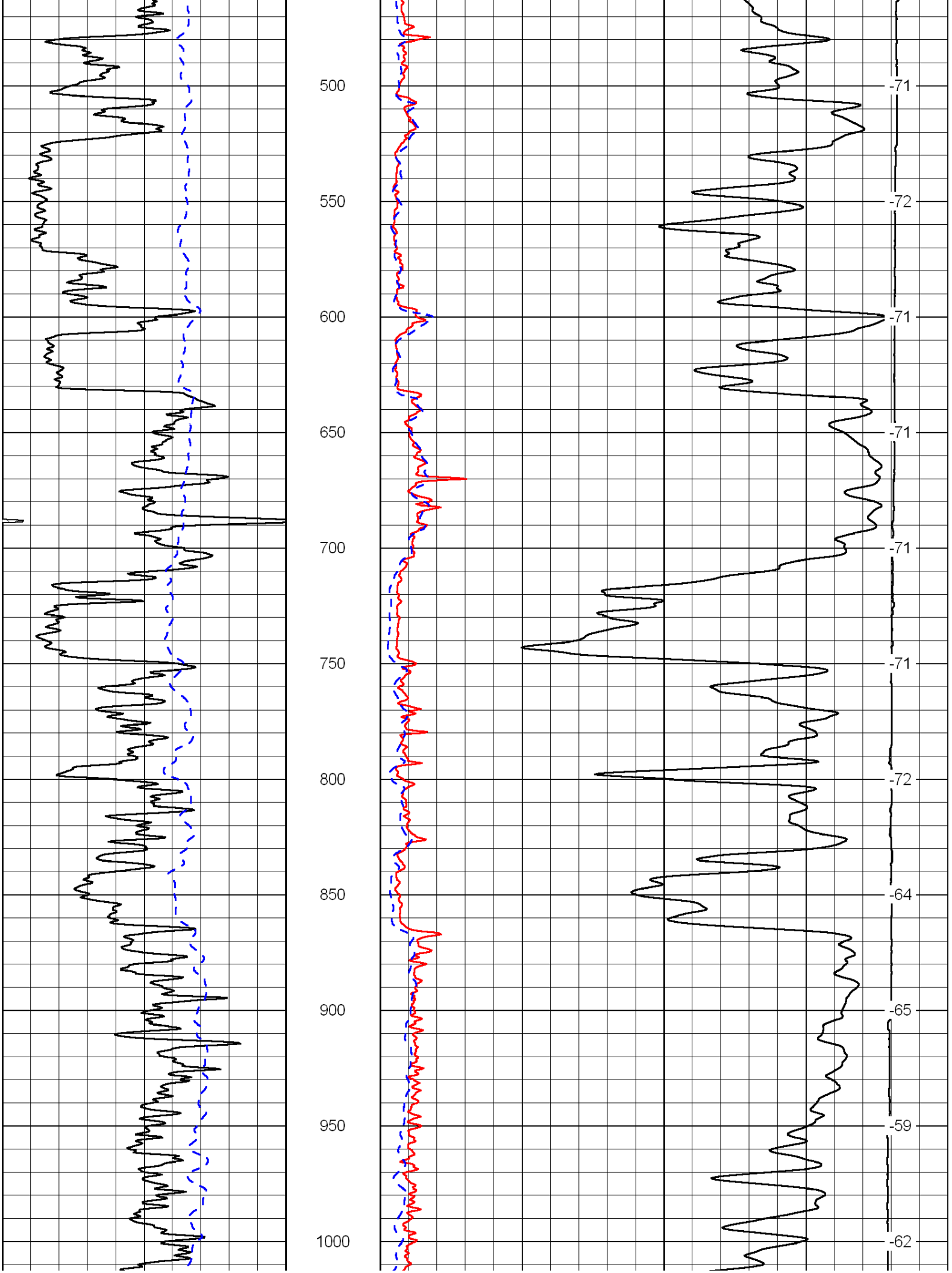
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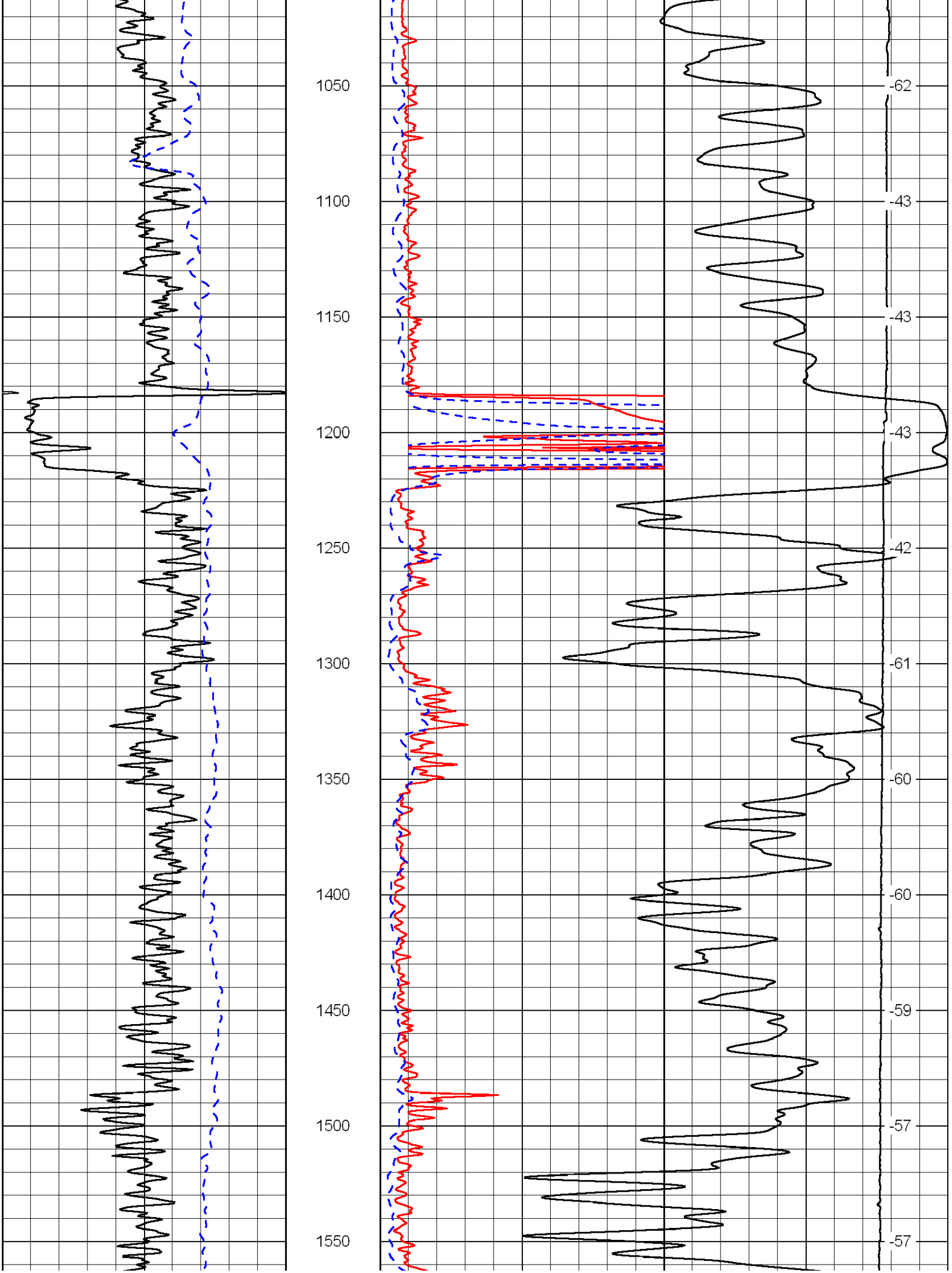
Thank you for using Log-Tech, Inc.
(785) 625-3858

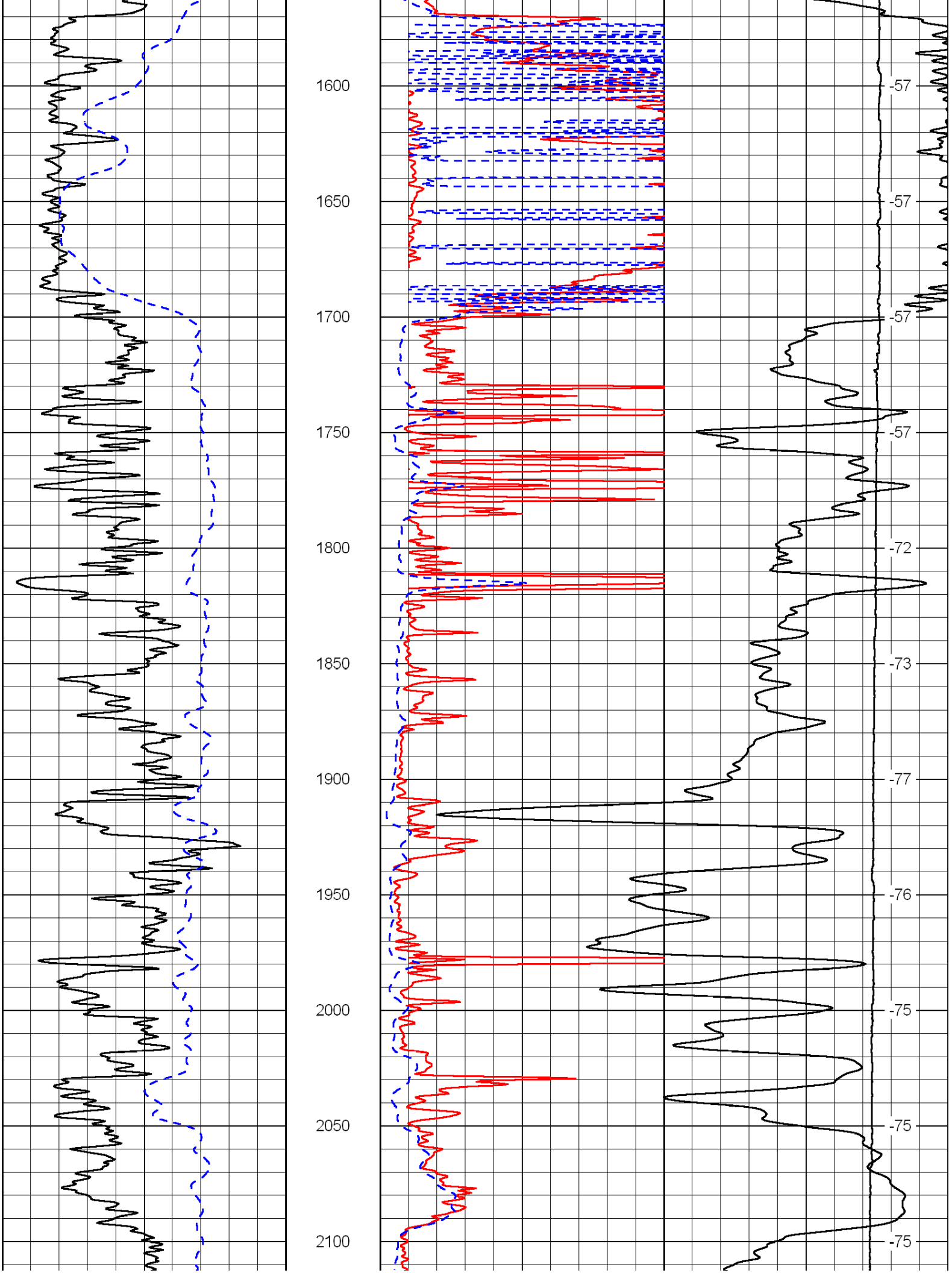
Paradise, 1/2 E, 6 N, 1 E, 1/2 S, W into

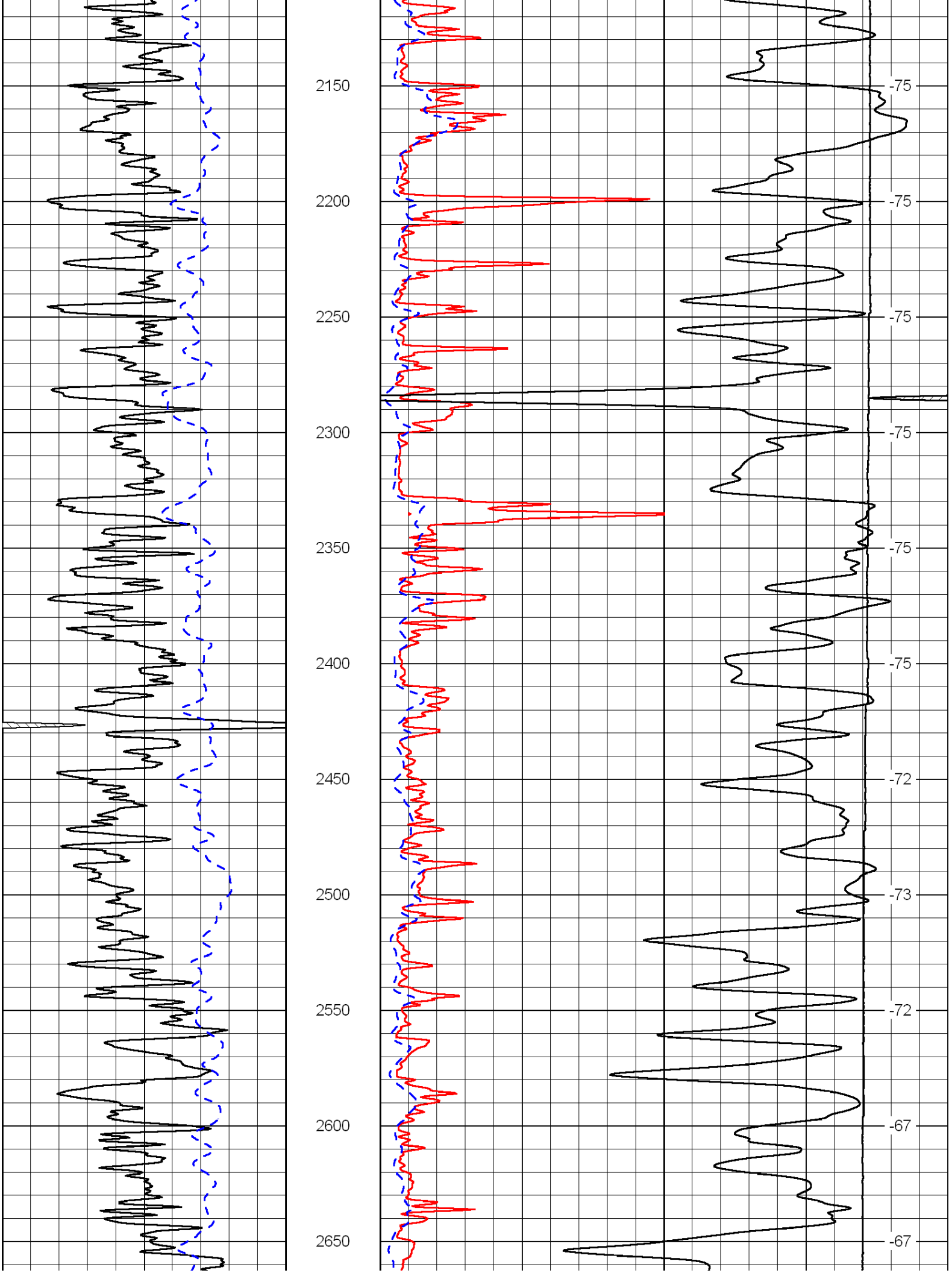
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Presentation Format:	dil2in
Dataset Creation:	Sat Dec 18 20:03:23 2010
Charted by:	Depth in Feet scaled 1:600

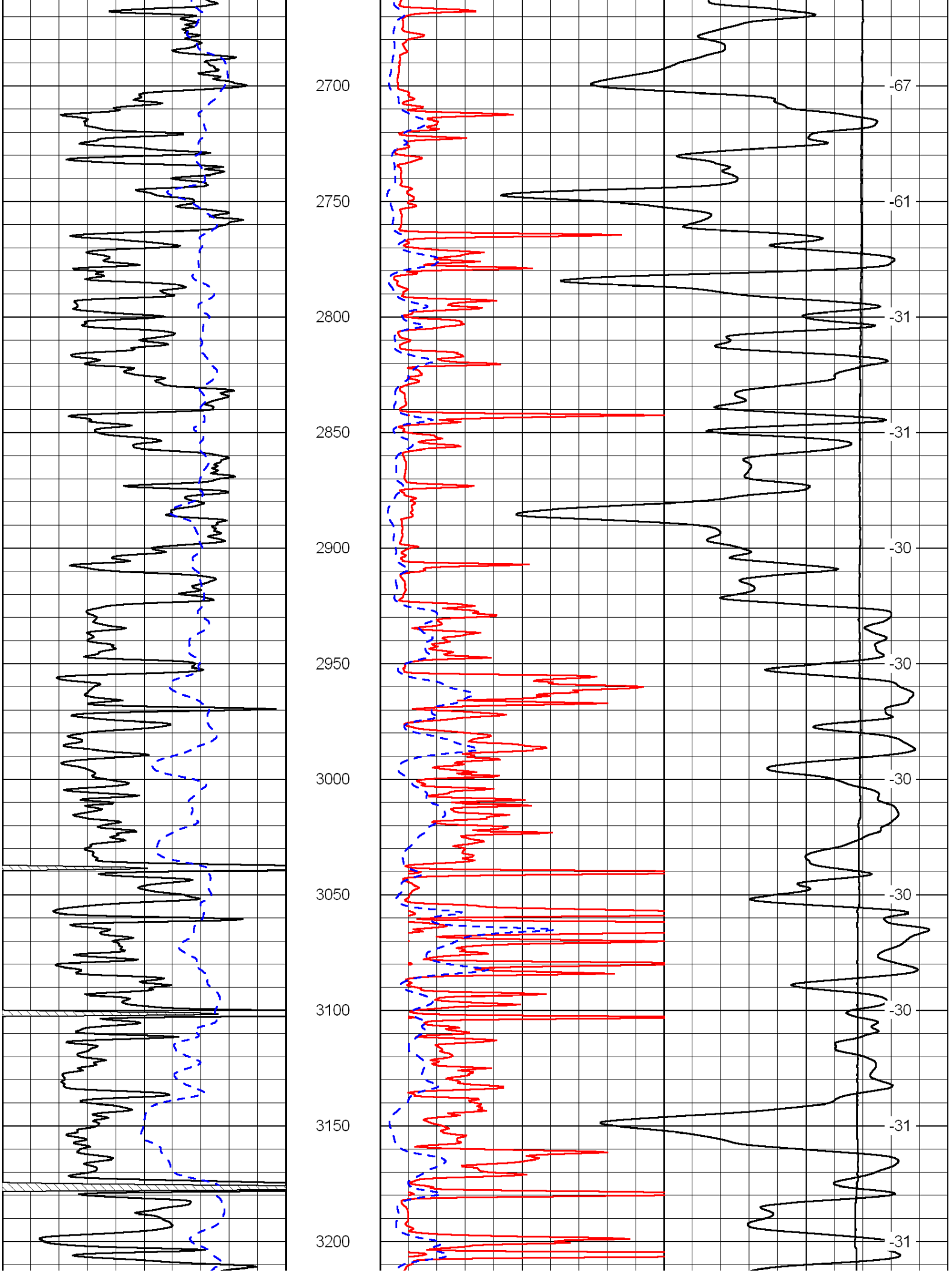

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
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150
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-103
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-73
-73

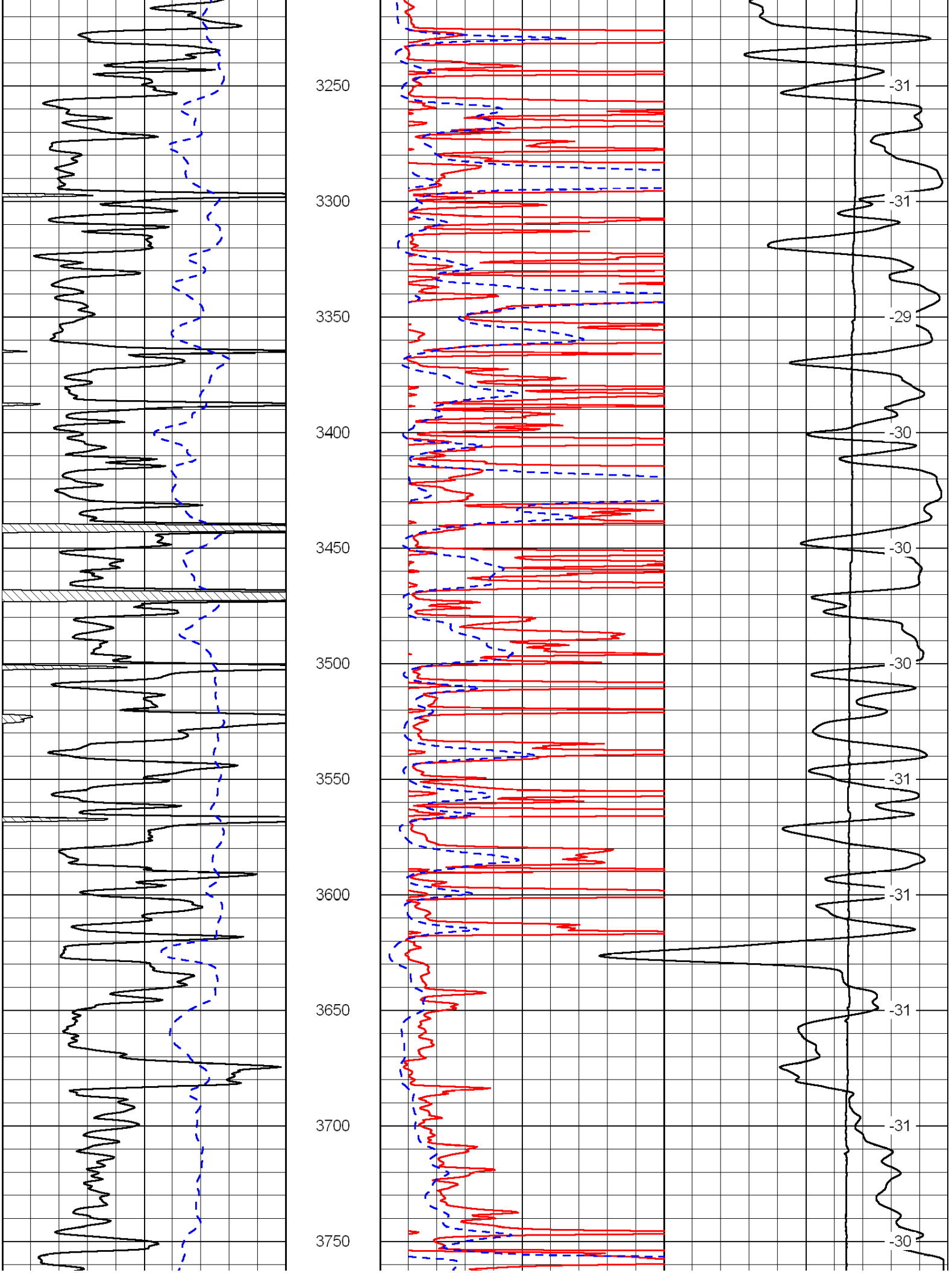

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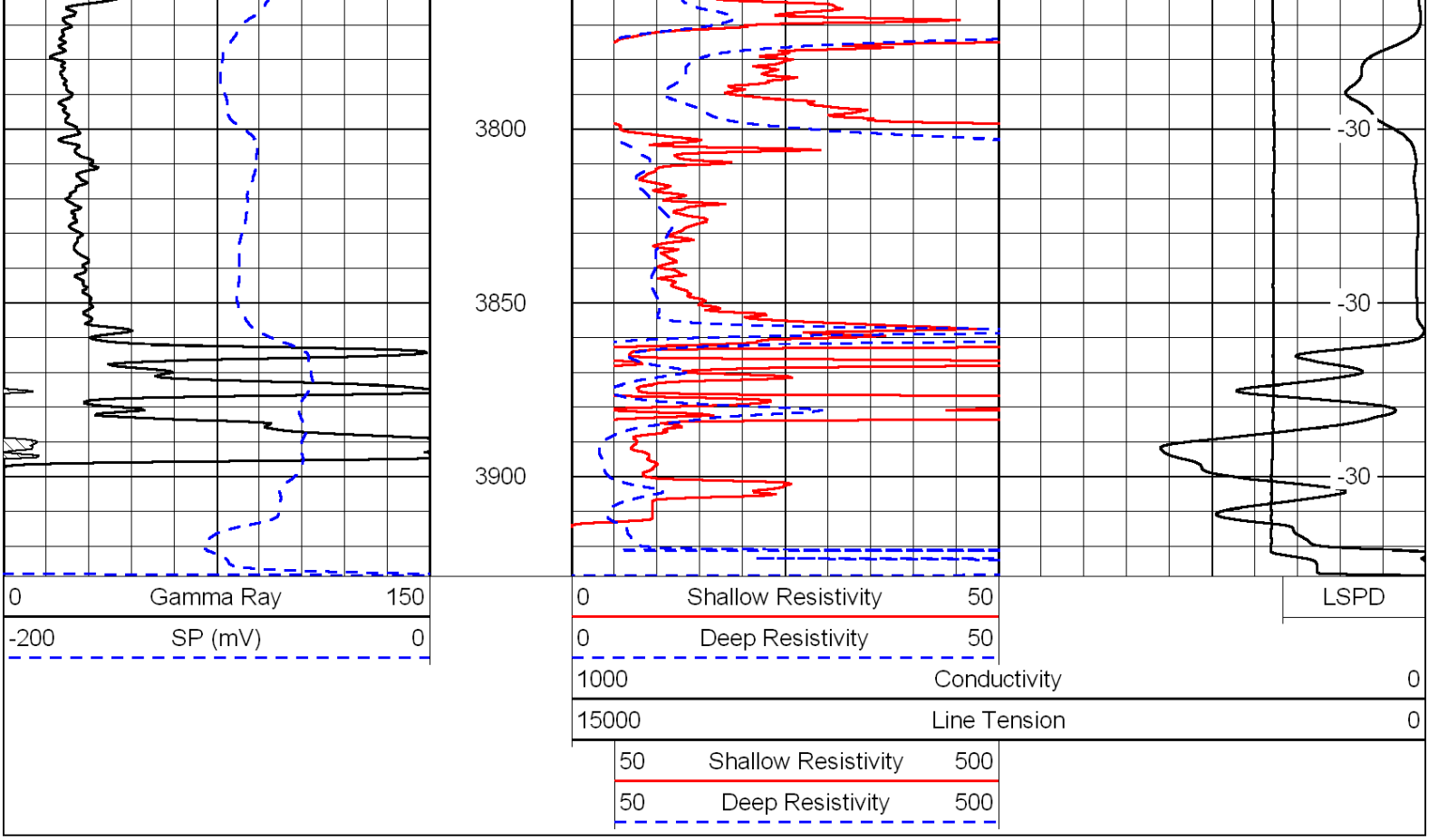

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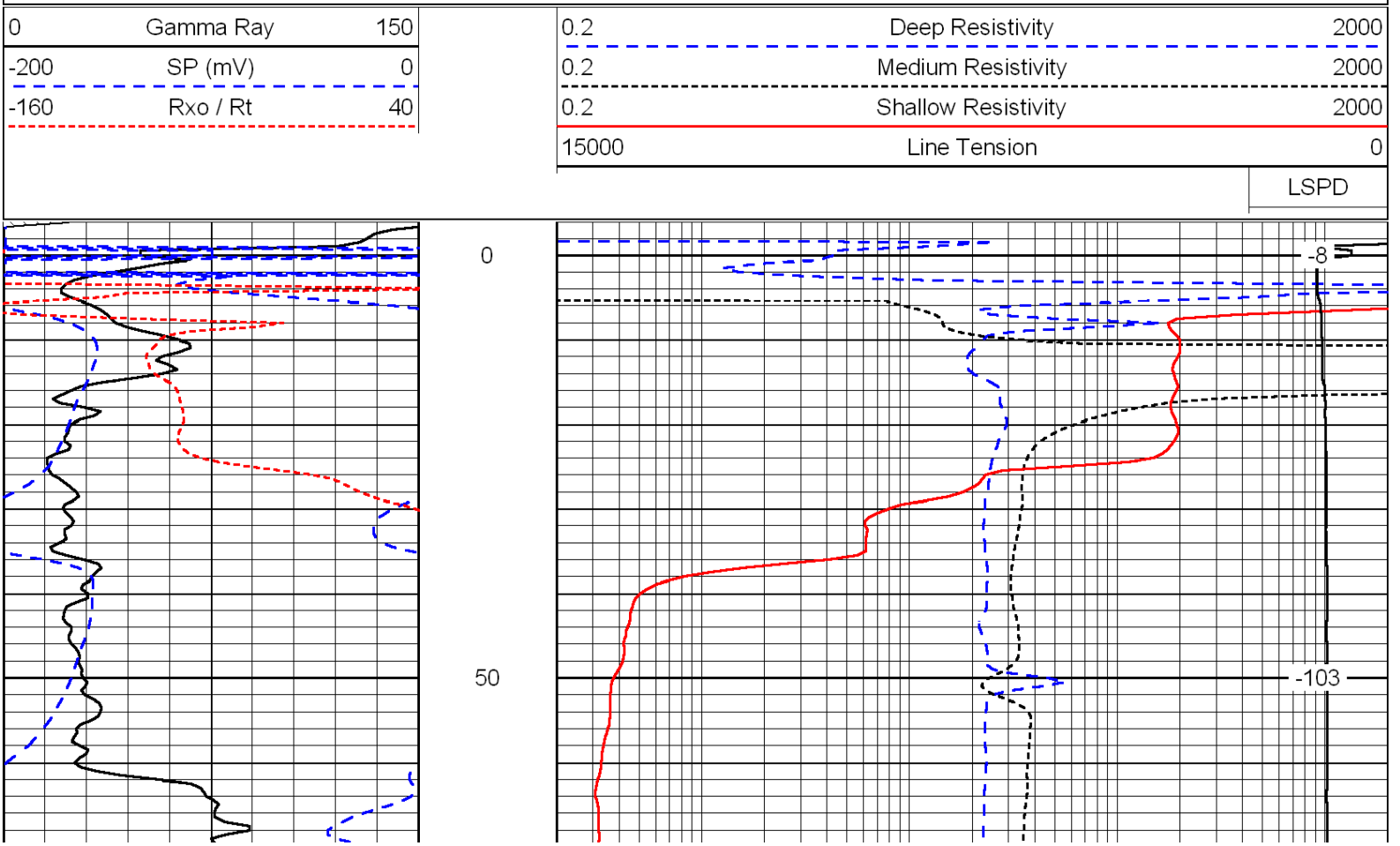

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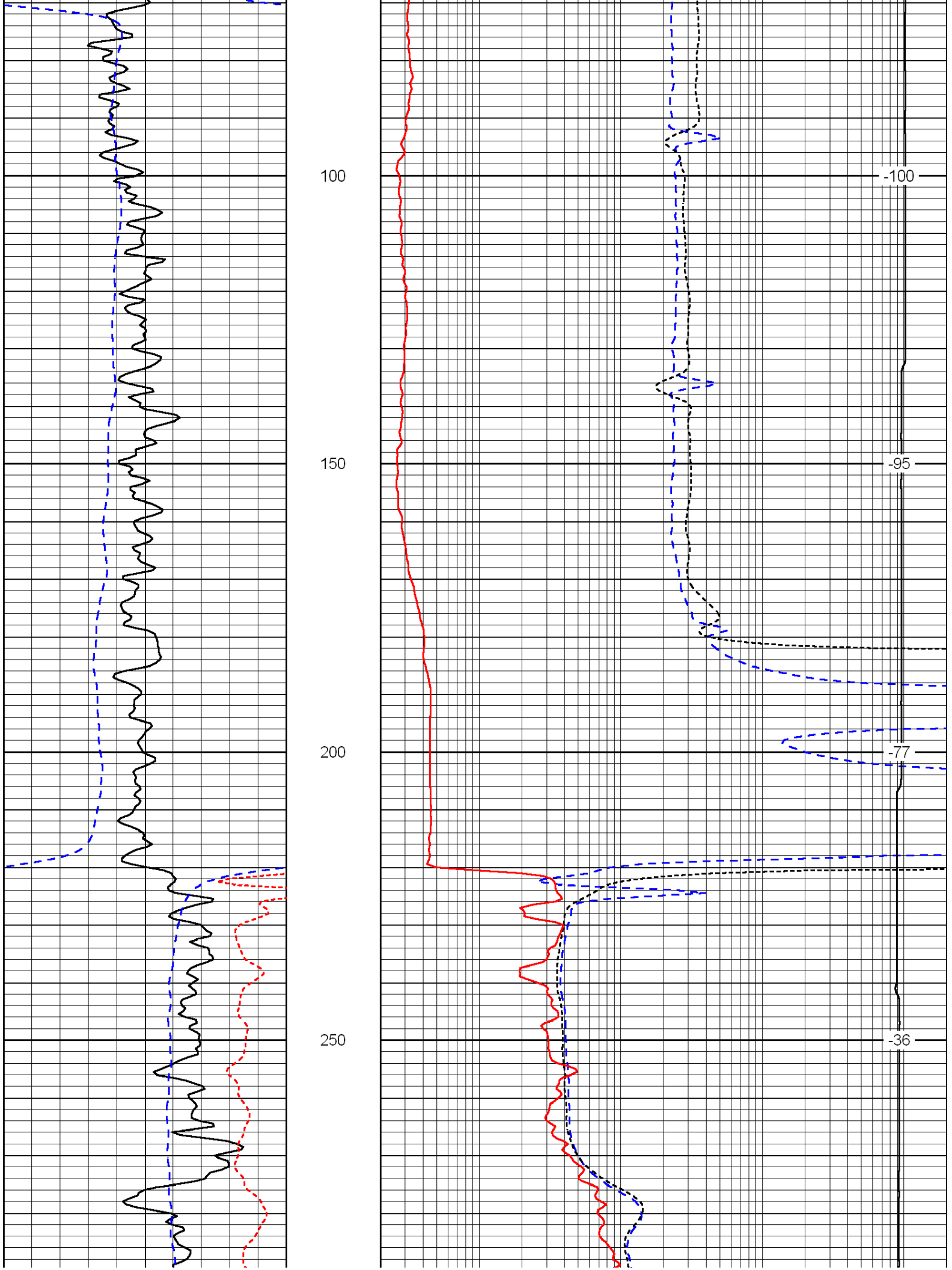

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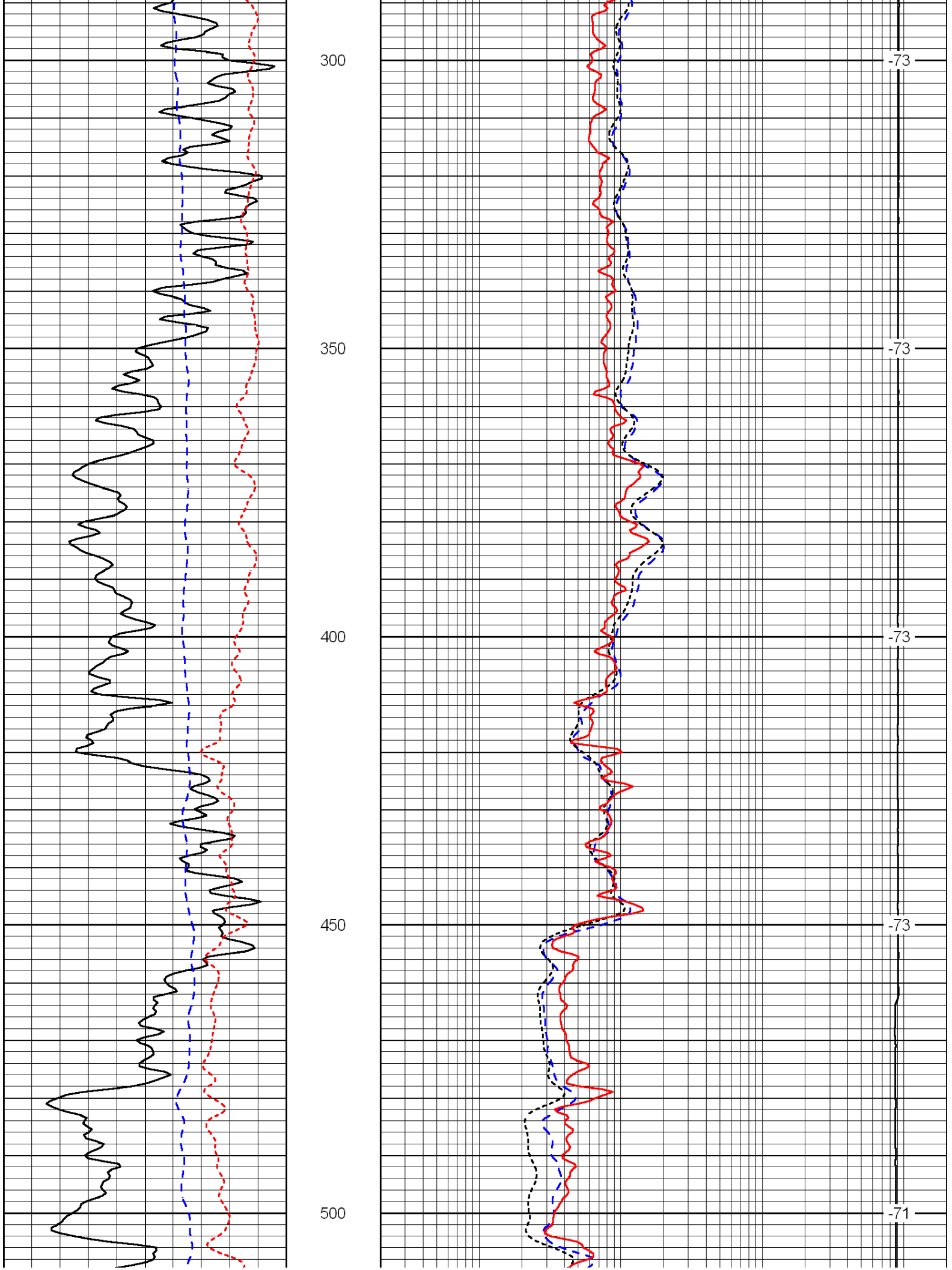

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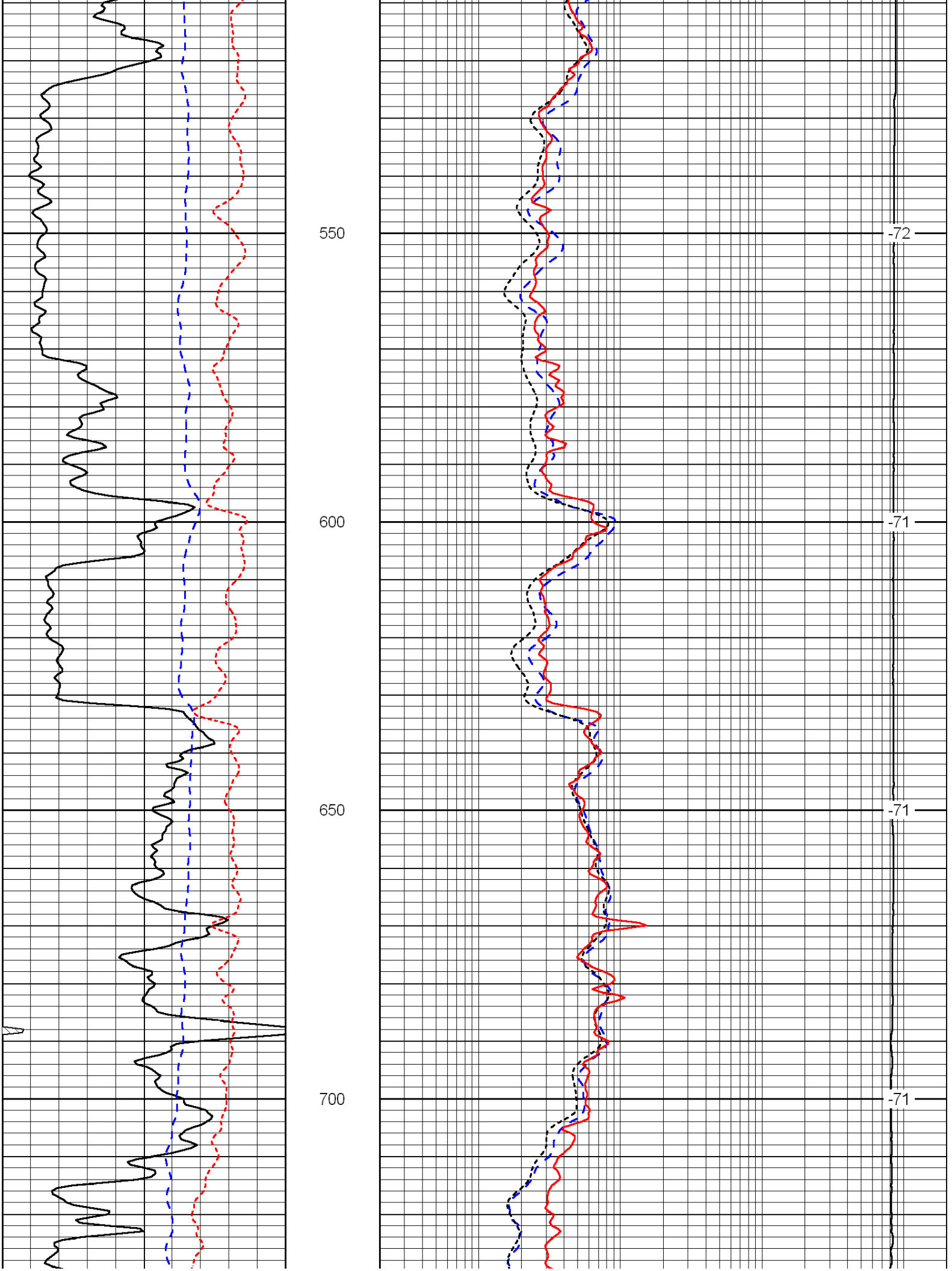


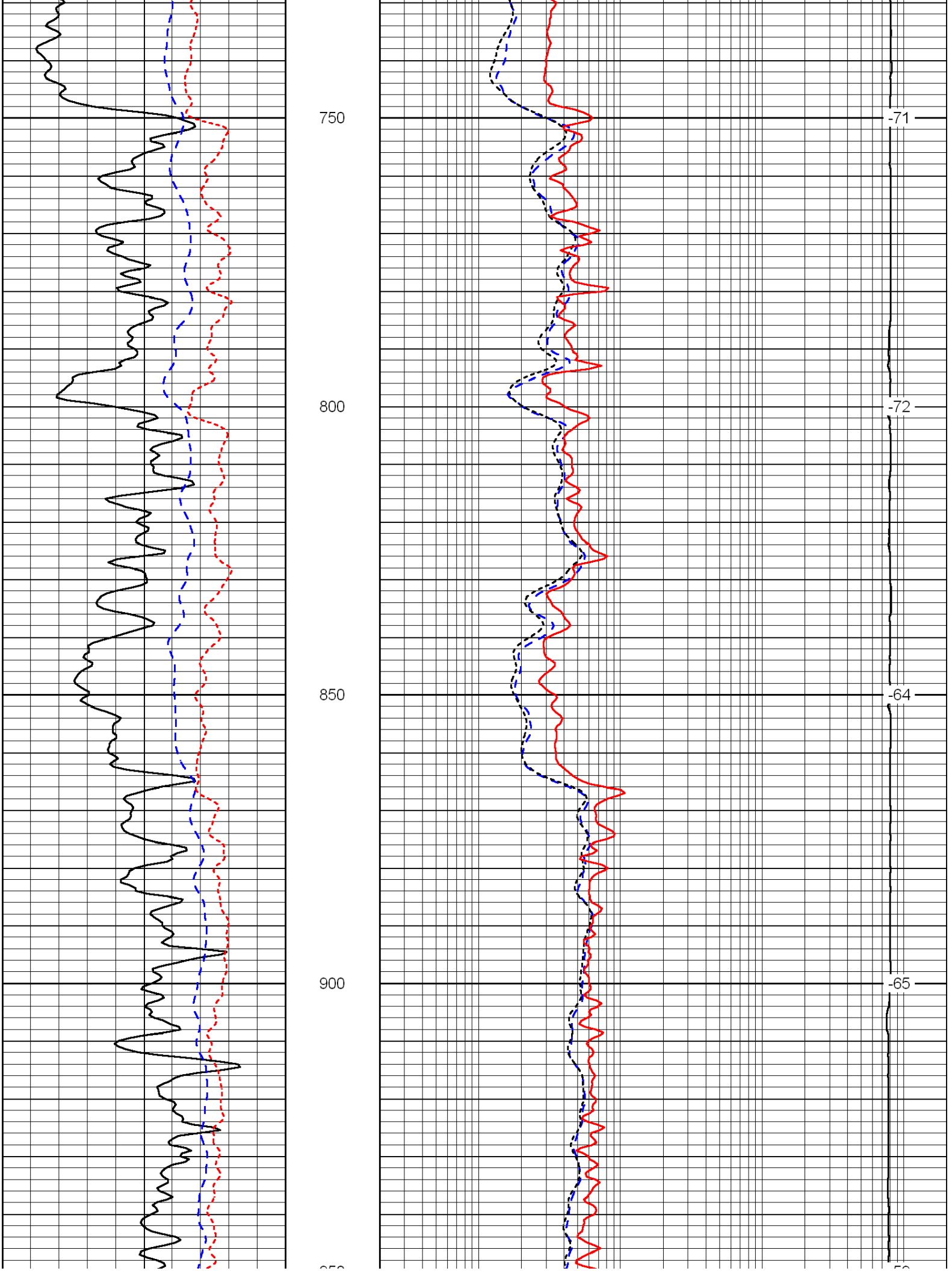
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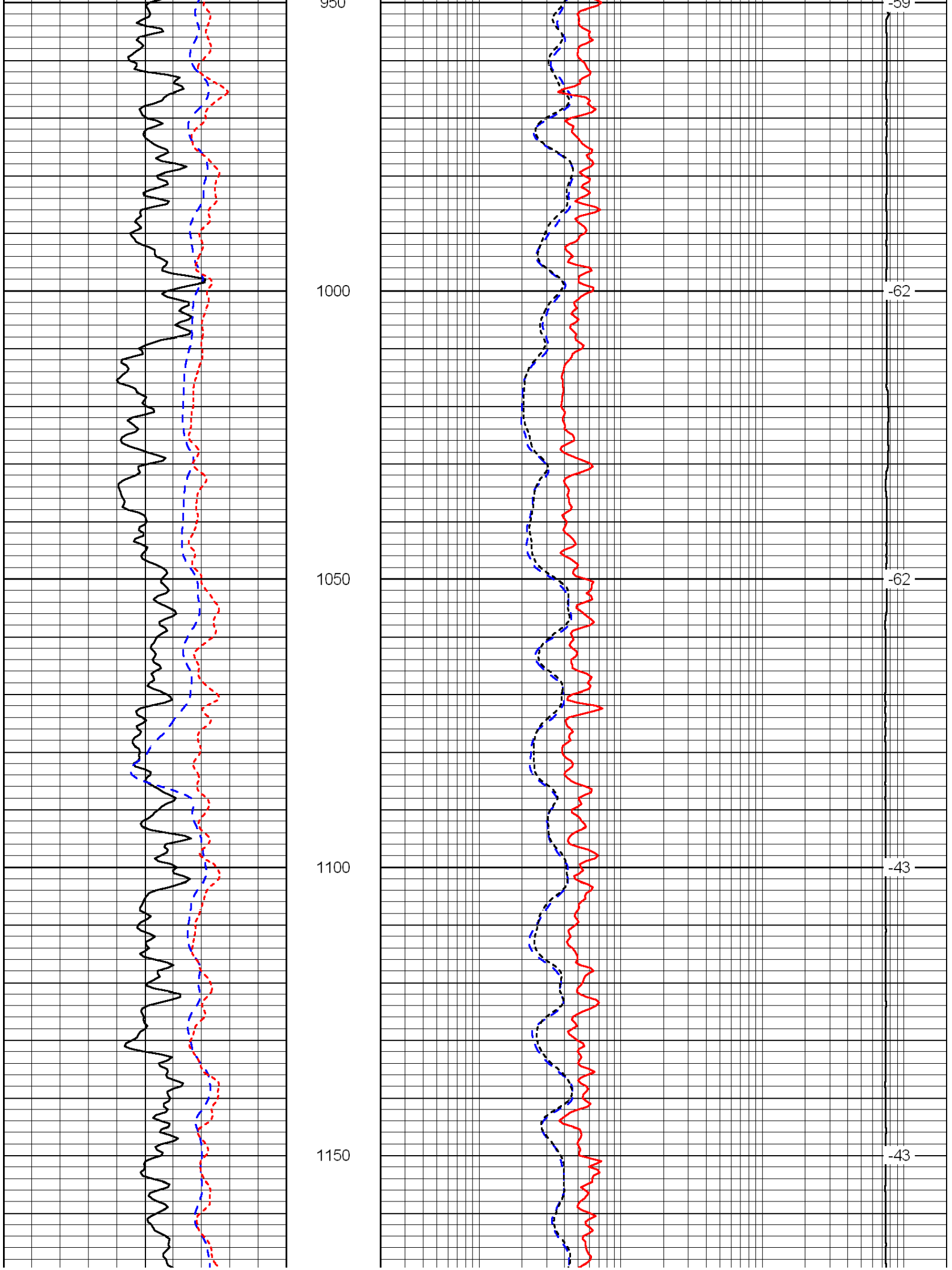


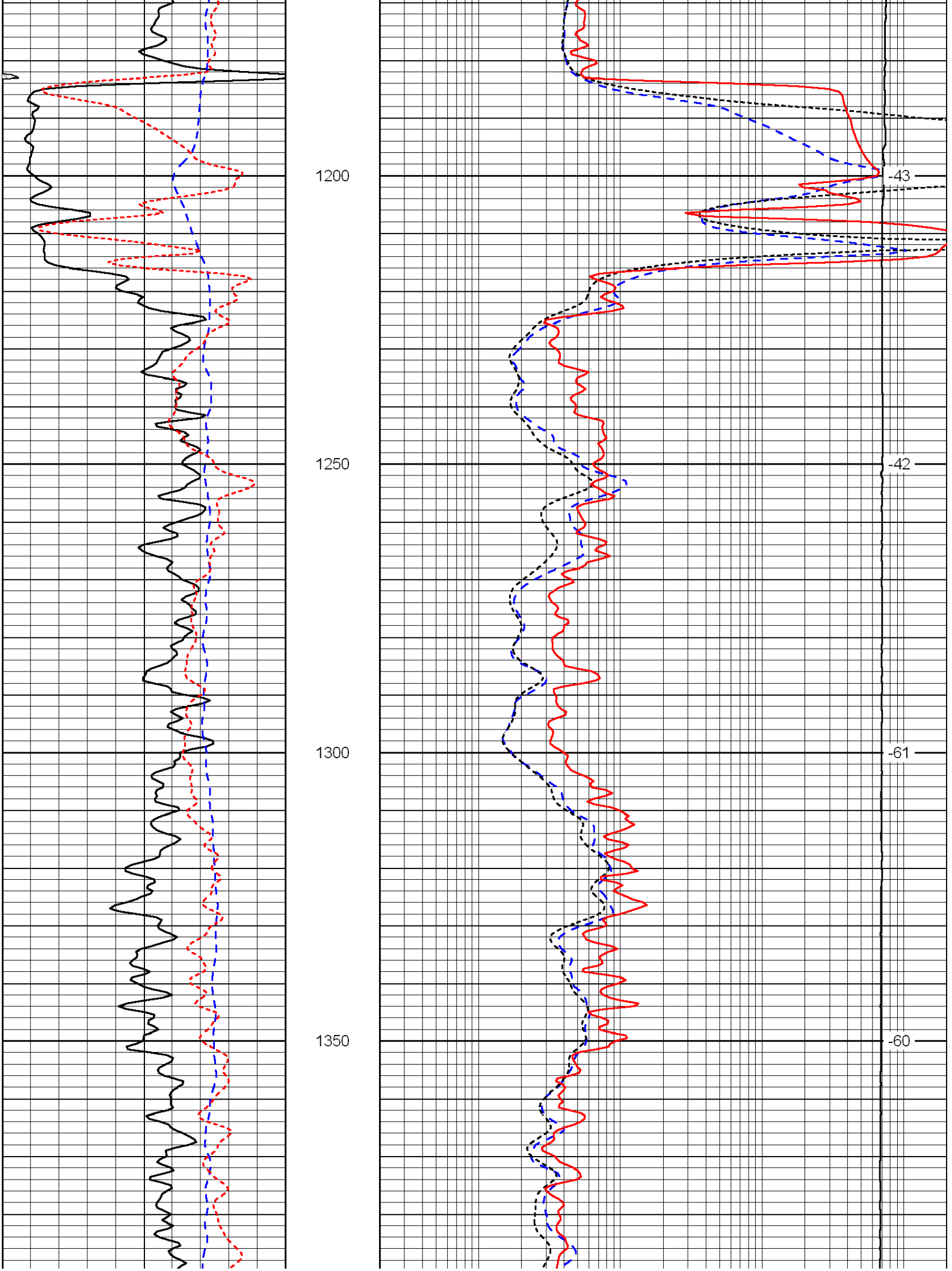

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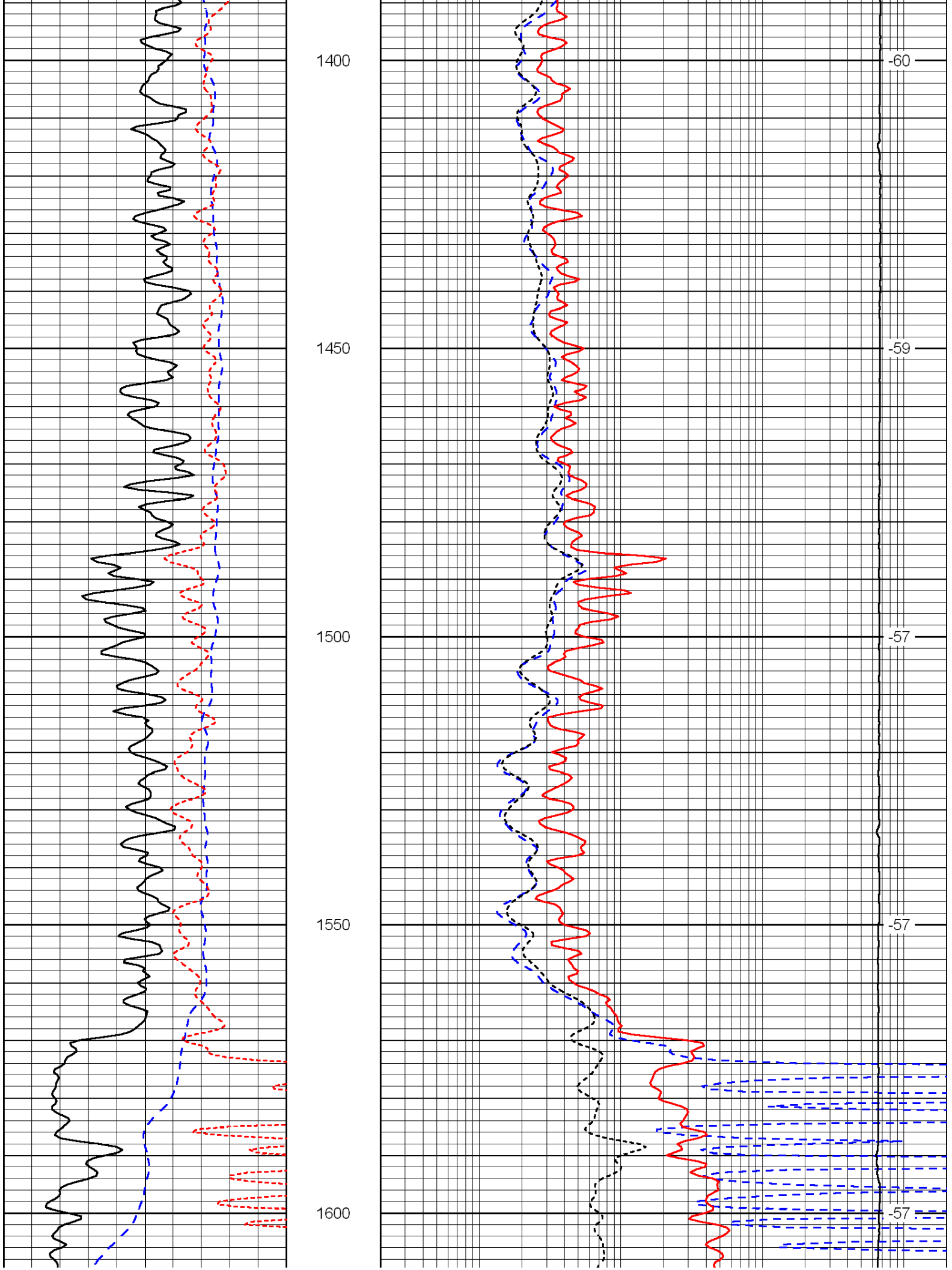

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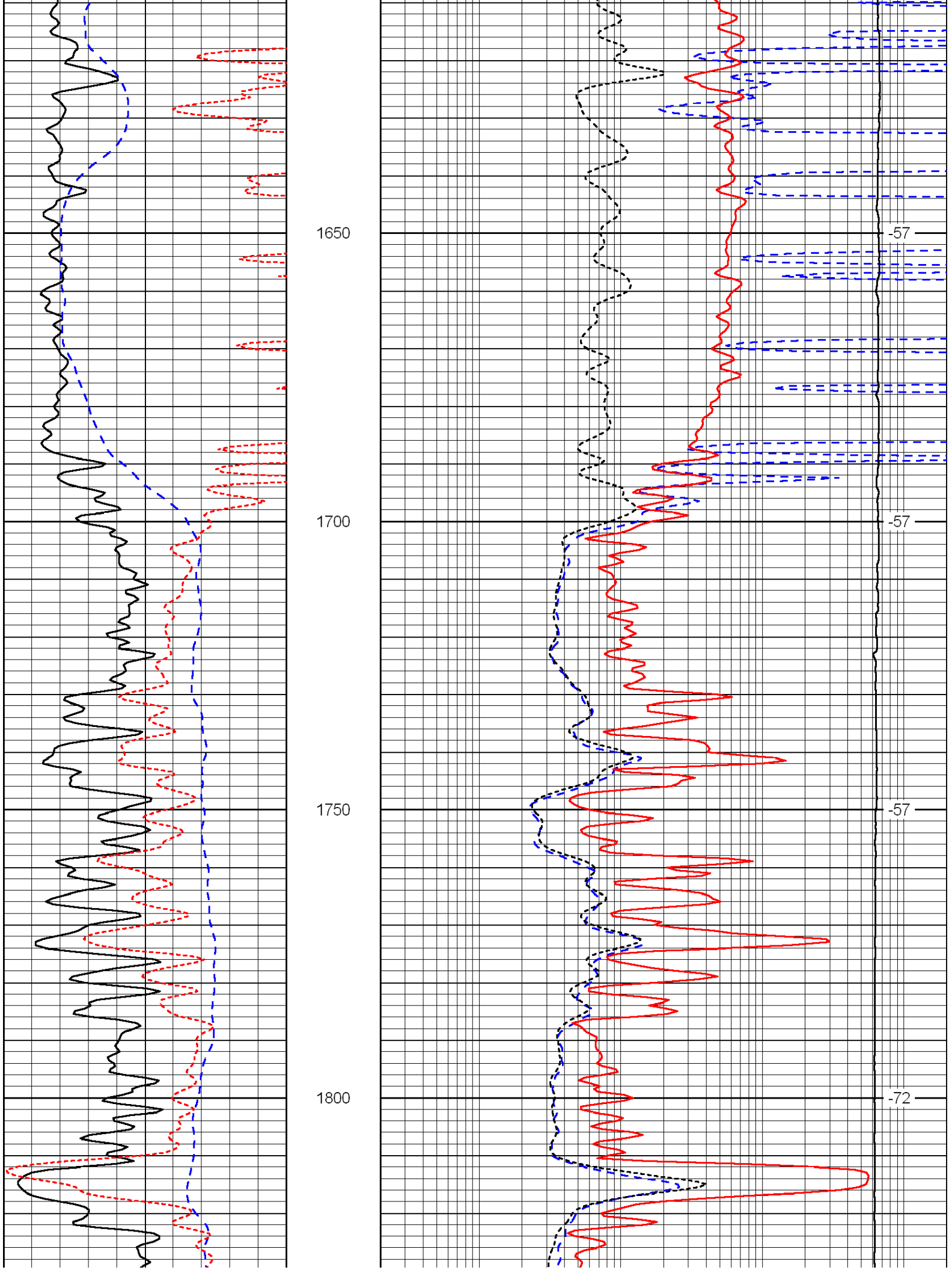

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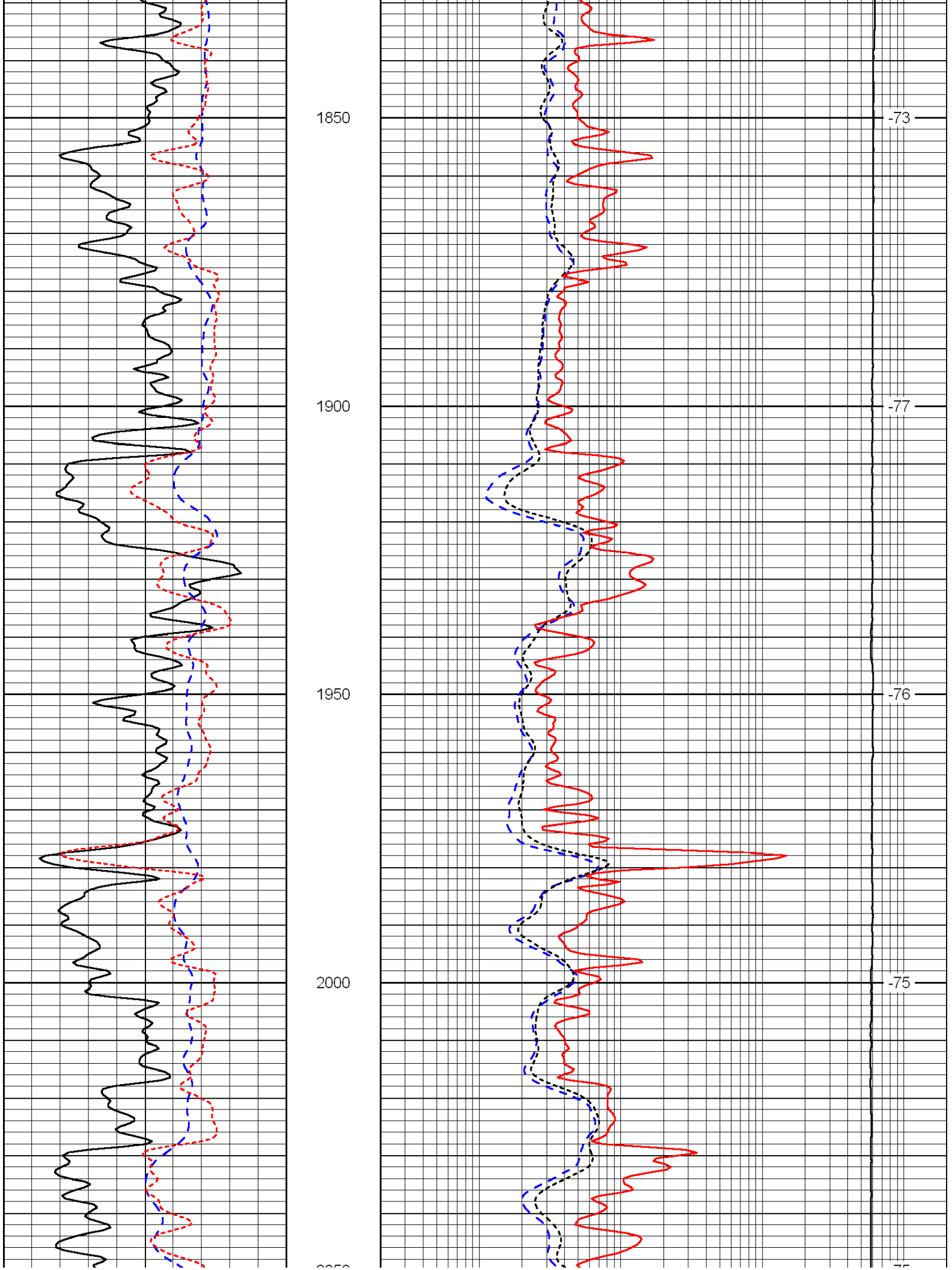

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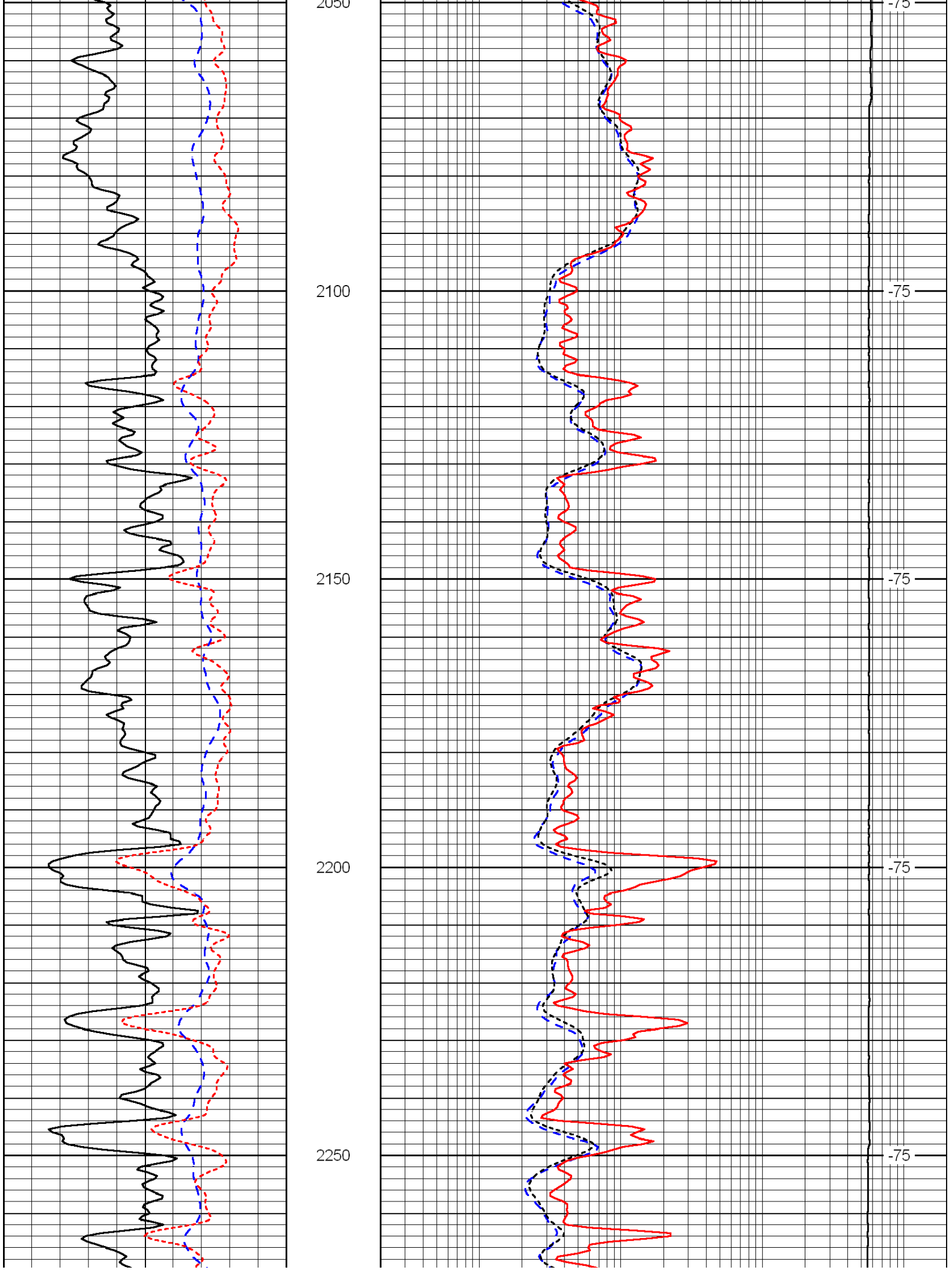

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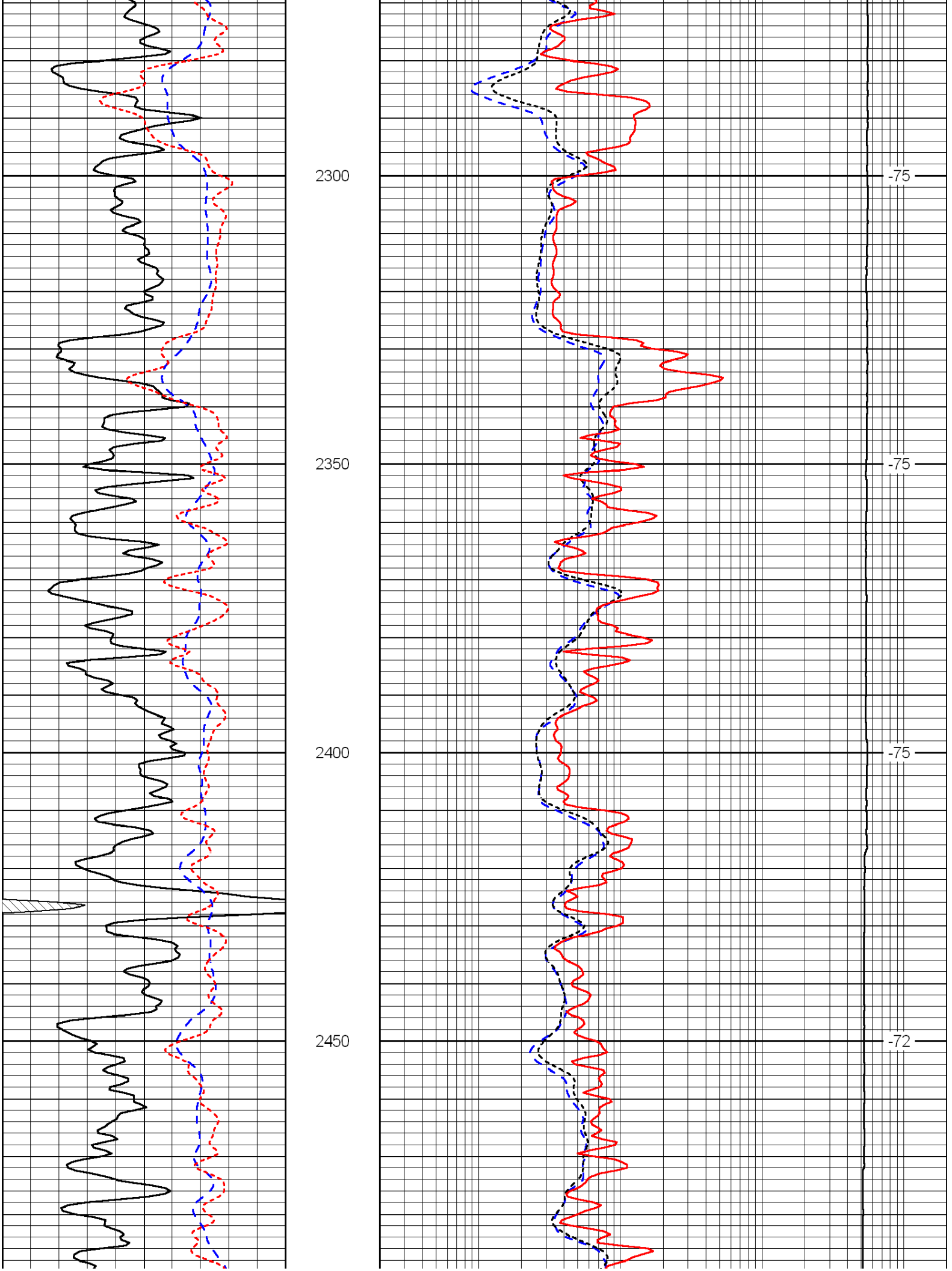

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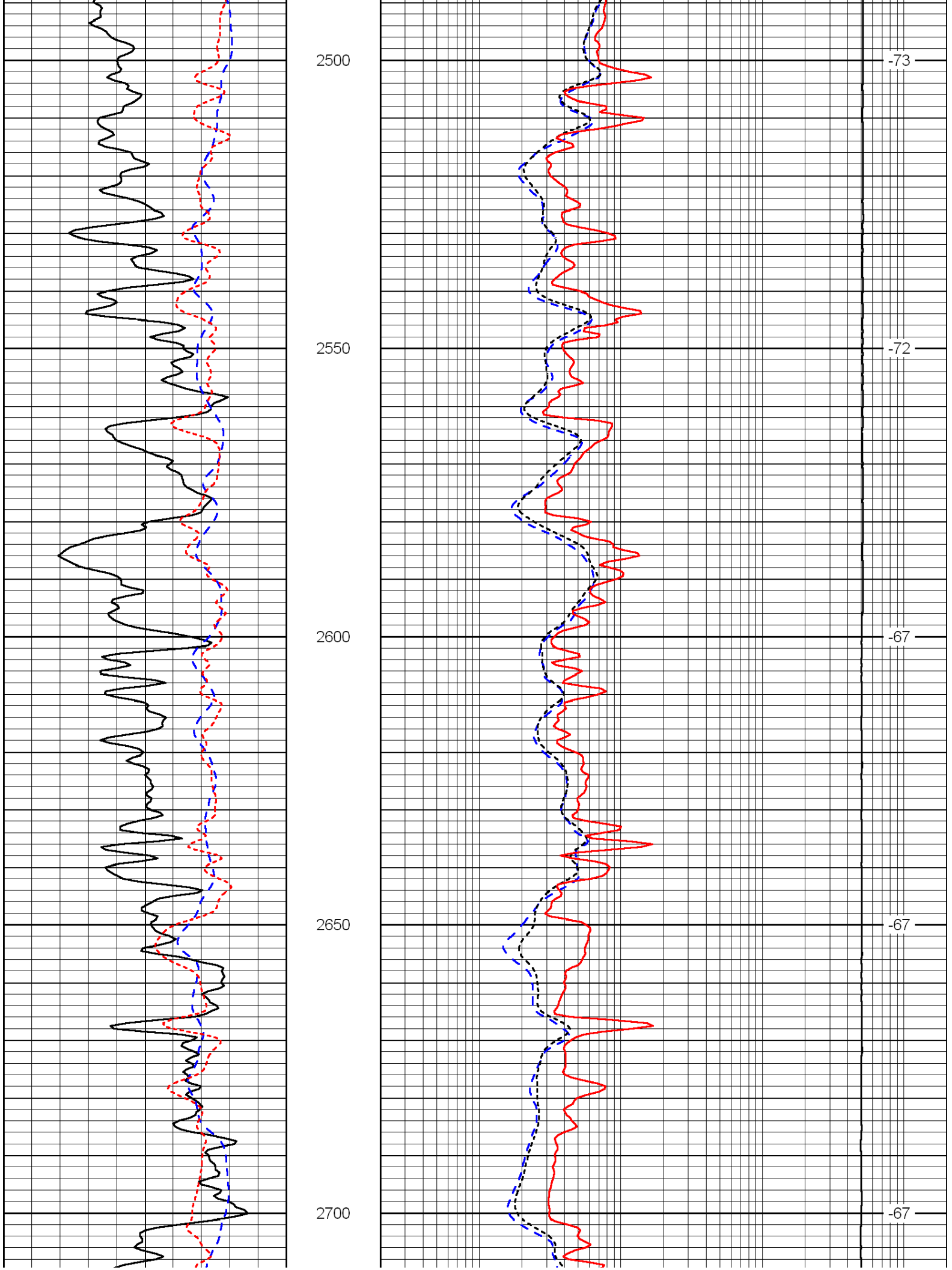

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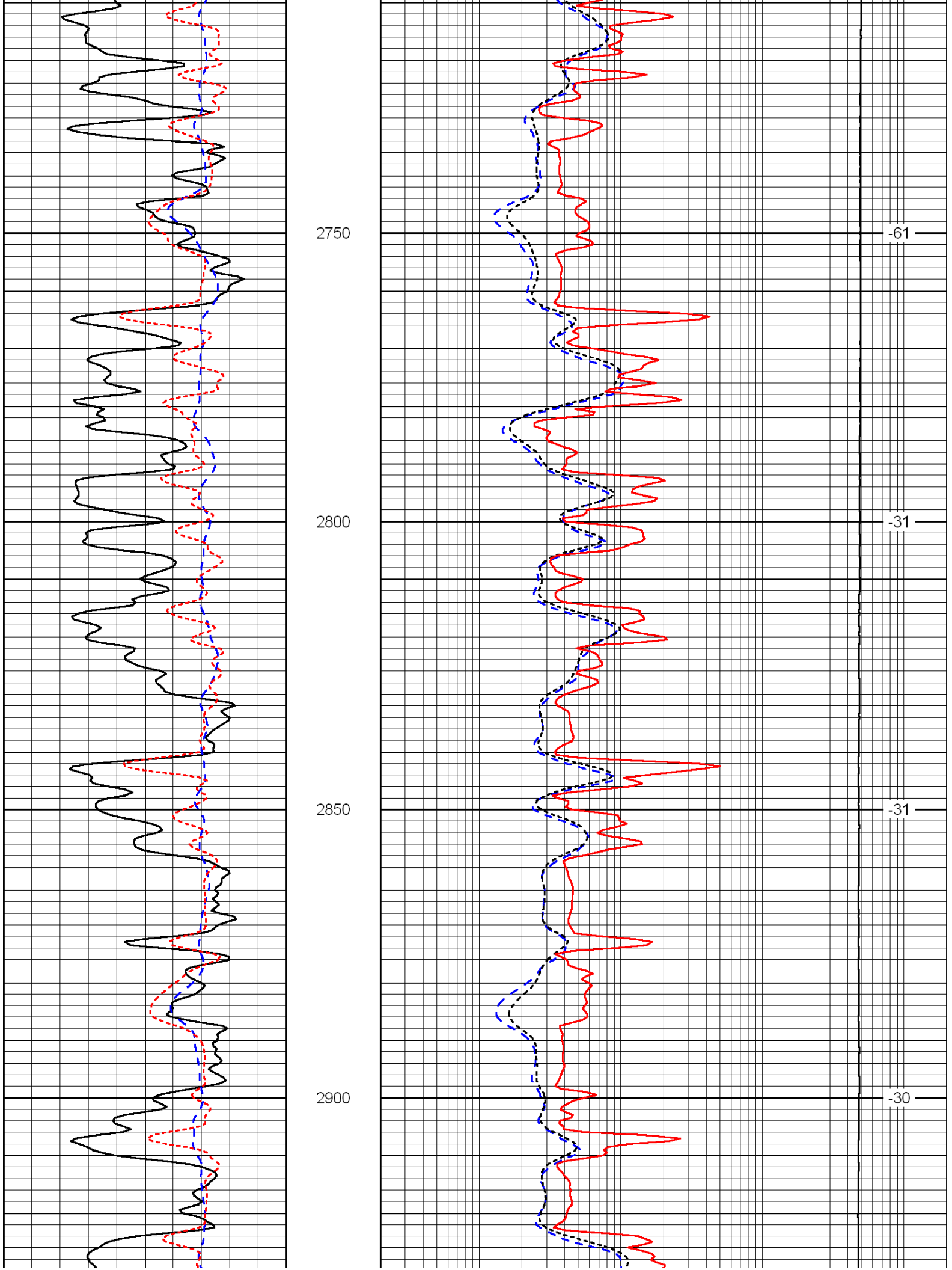

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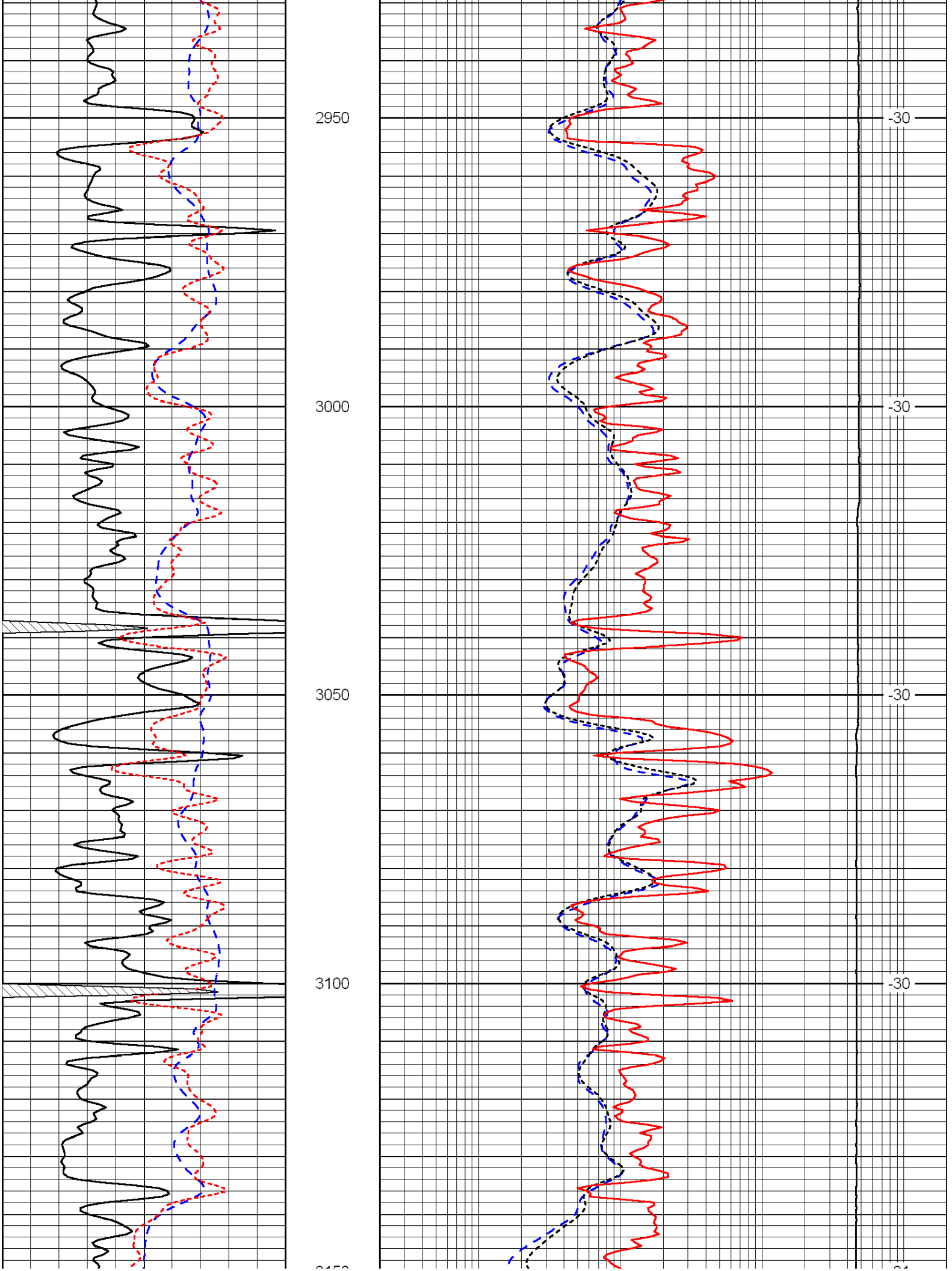

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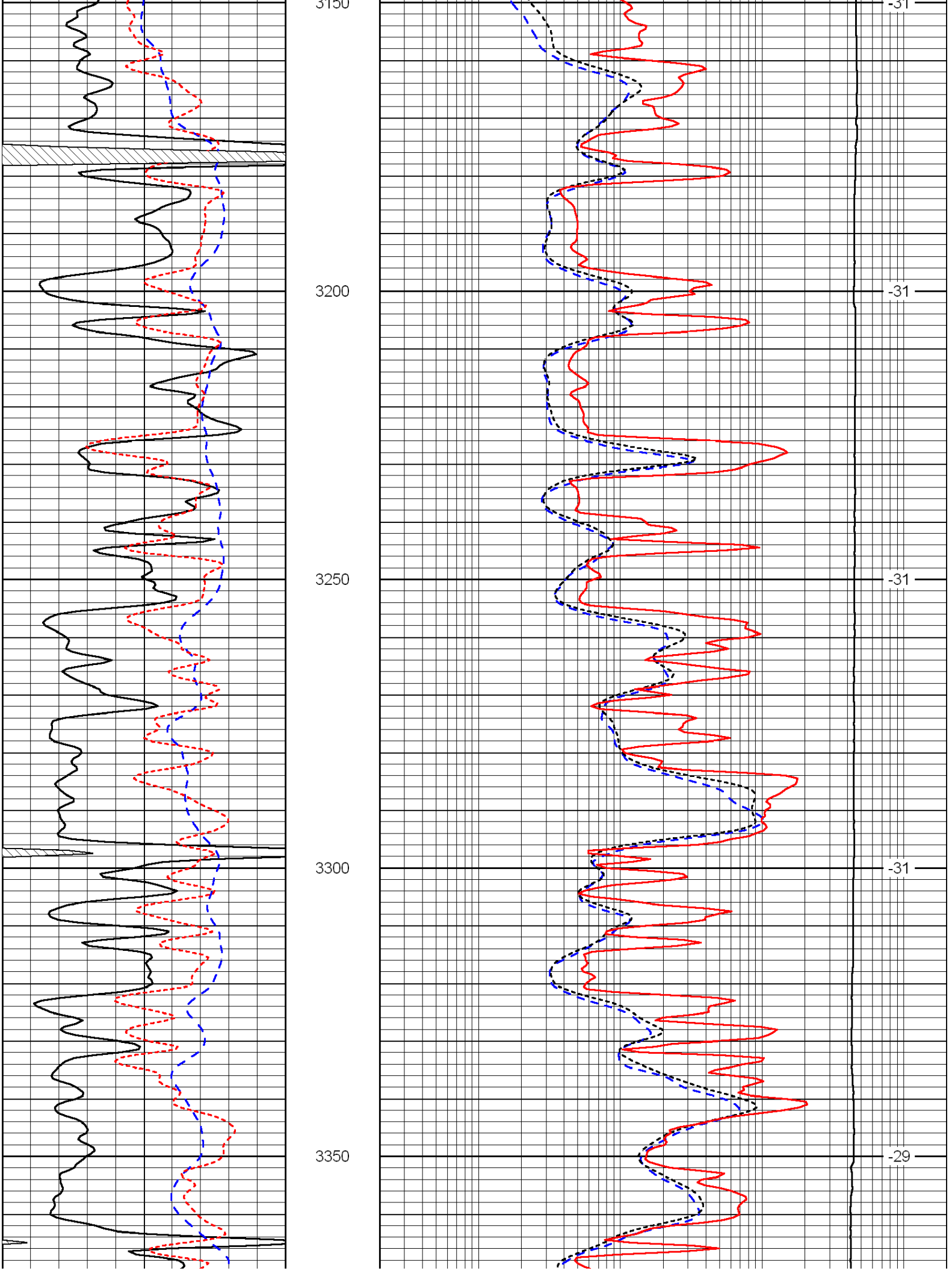

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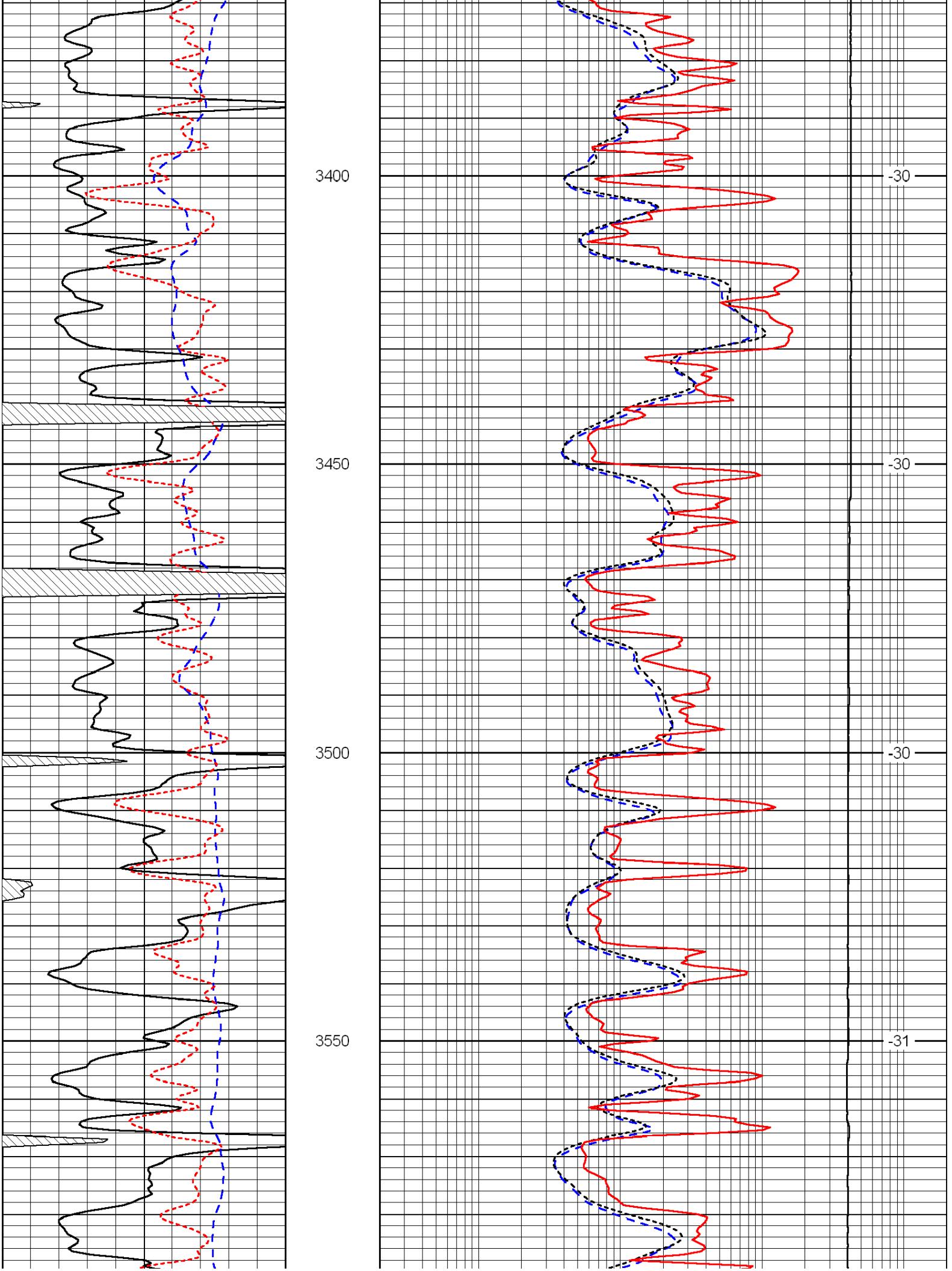

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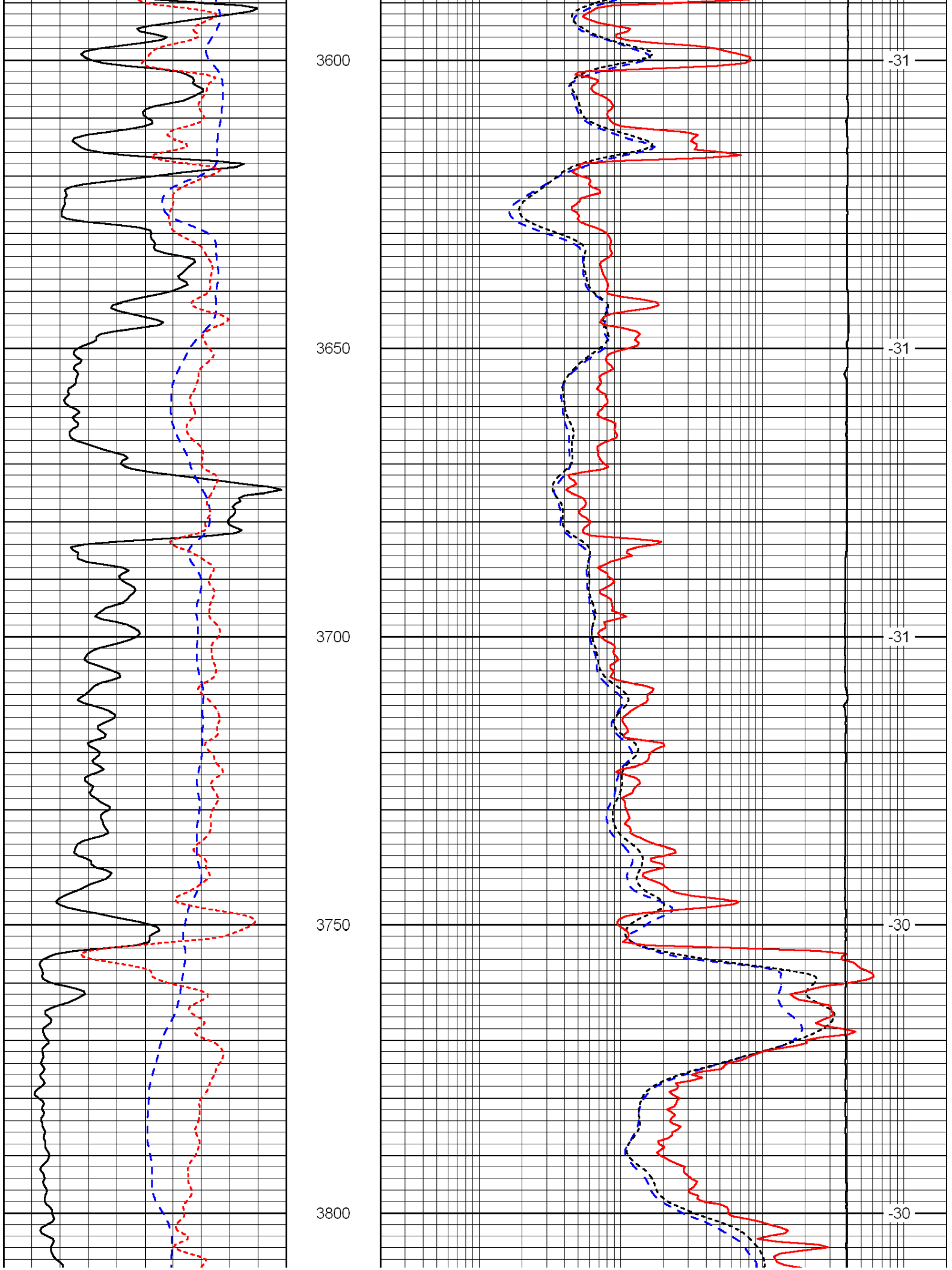

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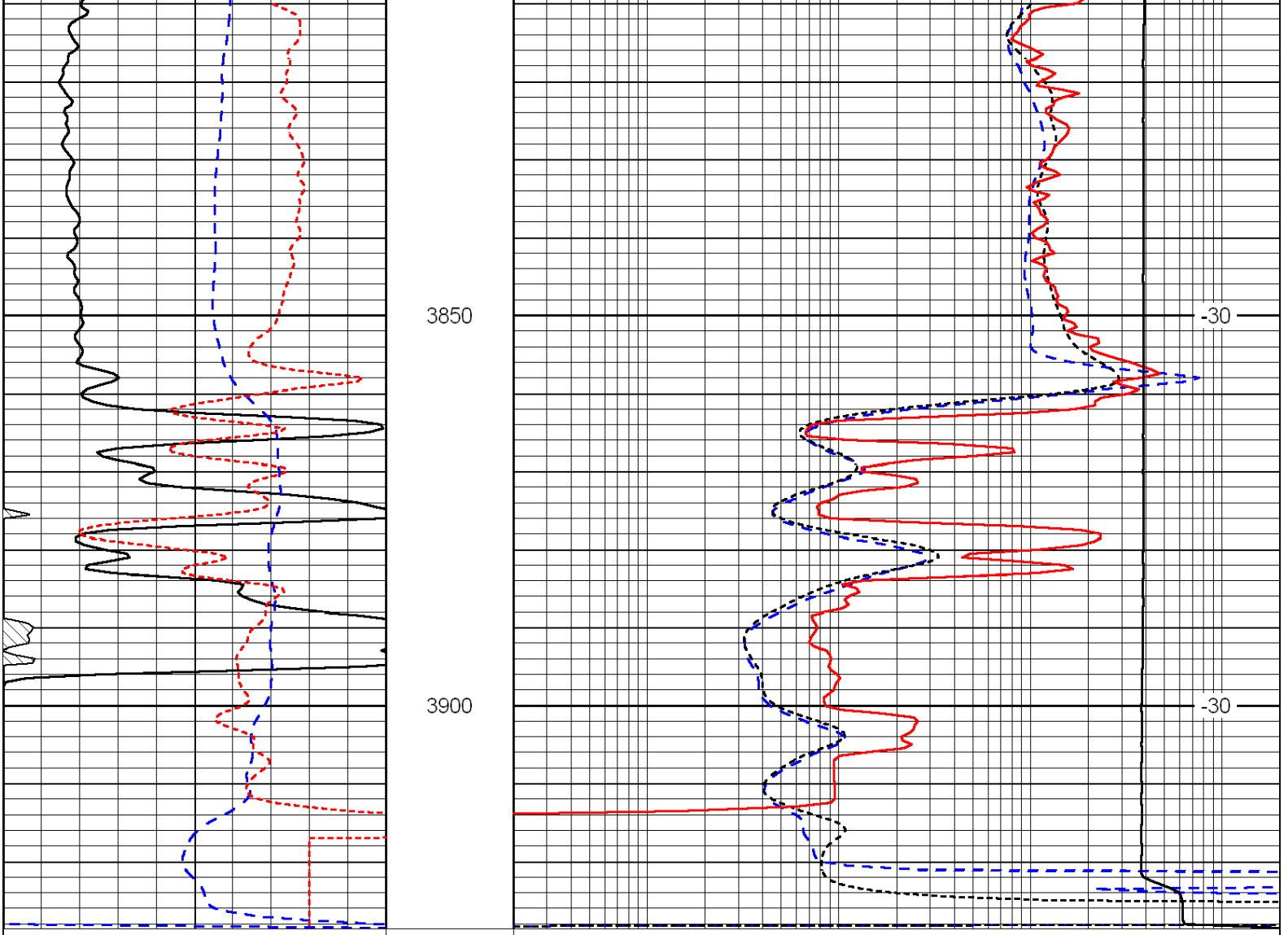

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3600
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0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

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

LSPD