LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-039-21124-00-00

Company Murfin Drilling Company, Inc.

Well Urban #1-32

Field Wildcat

County Decatur State Kansas

Location 1000' FNL & 1650' FWL

Sec: 32 Twp: 1S Rge: 29W

Other Services: CNL / CDL

Elevation: K.B. 2758, D.F. , G.L. 2753

Permanent Datum Ground Level Elevation 2753

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date	2/10/2011			
Run Number	One			
Depth Driller	4015			
Depth Logger	4013			
Bottom Logged Interval	4012			
Top Log Interval	1350			
Casing Driller	8.625 @ 304			
Casing Logger	306			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	1200			
Density / Viscosity	9.0 | 69			
pH / Fluid Loss	11.5 | 6.4			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.98 @ 50			
Rmf @ Meas. Temp	0.74 @ 50			
Rmc @ Meas. Temp	1.32 @ 50			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.42 @ 116			
Operating Rig Time	6 Hours			
Max. Rec. Temp. F	116			
Equipment Number	4			
Location	Hays			
Recorded By	R. Barnhart			
Witnessed By	Paul Gunzelman			

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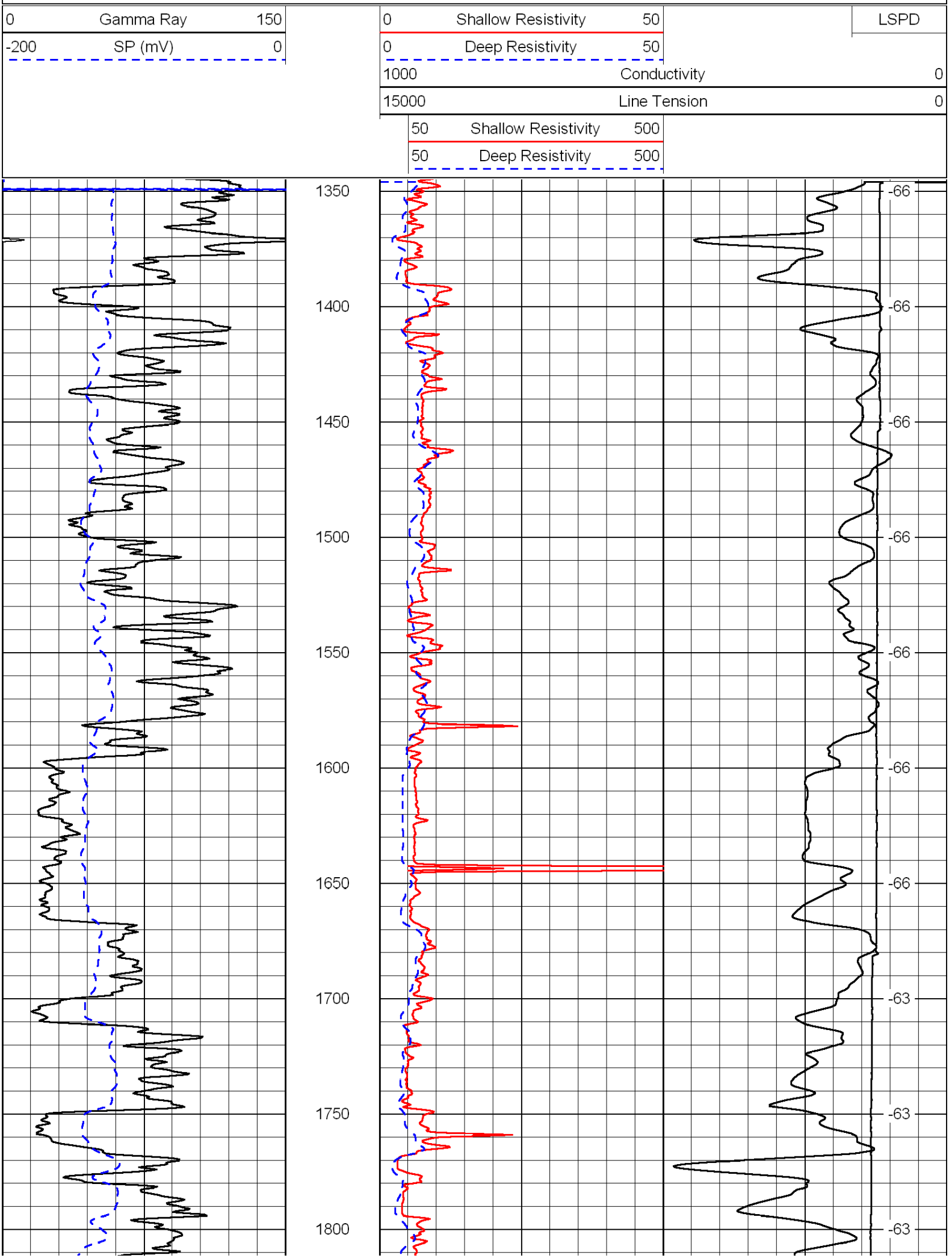
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Oberlin, KS:
5N to 5-N Rd., 3W, 2 1/2N to rig

Database File: c:\warrior\data\murfin_urban #1-32\murfin_urban 1-32hd.db
Dataset Pathname: dil/murfa
Presentation Format: dil2in
Dataset Creation: Thu Feb 10 18:42:55 2011
Charted by: Depth in Feet scaled 1:600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-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
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50 Deep Resistivity 500
LSPD
1350
1400
1450
1500
1550
1600
1650
1700
1750
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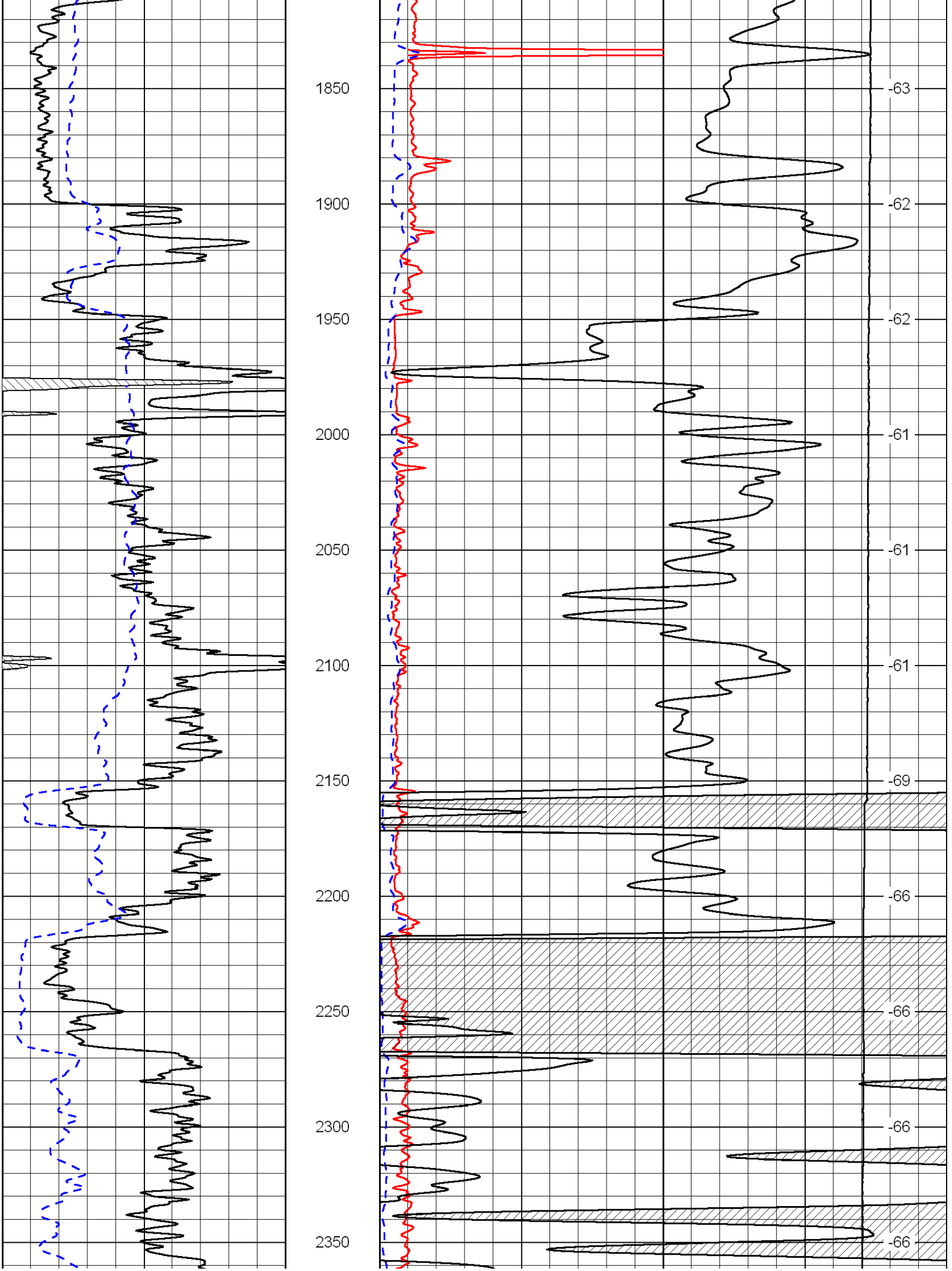
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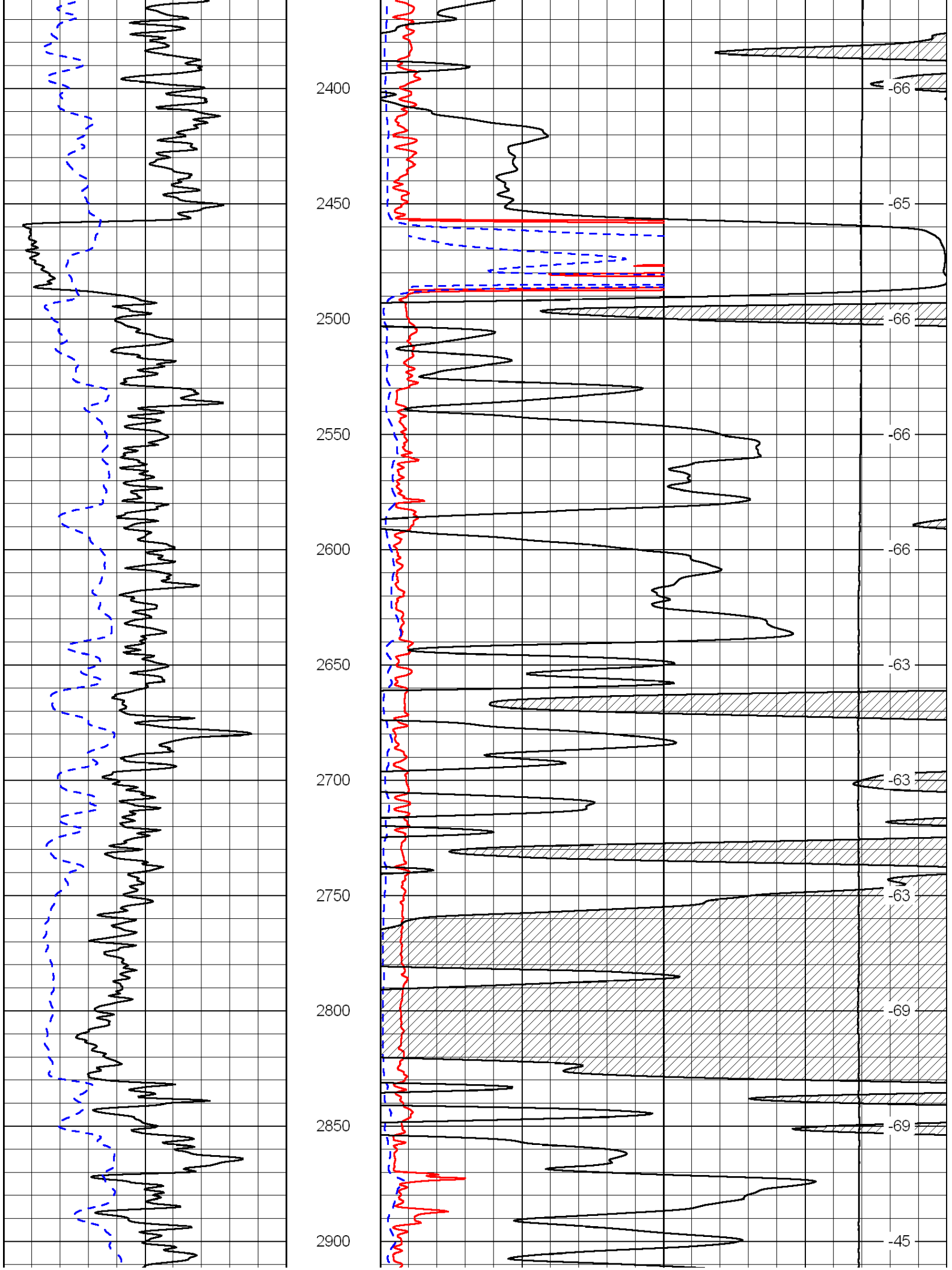
-66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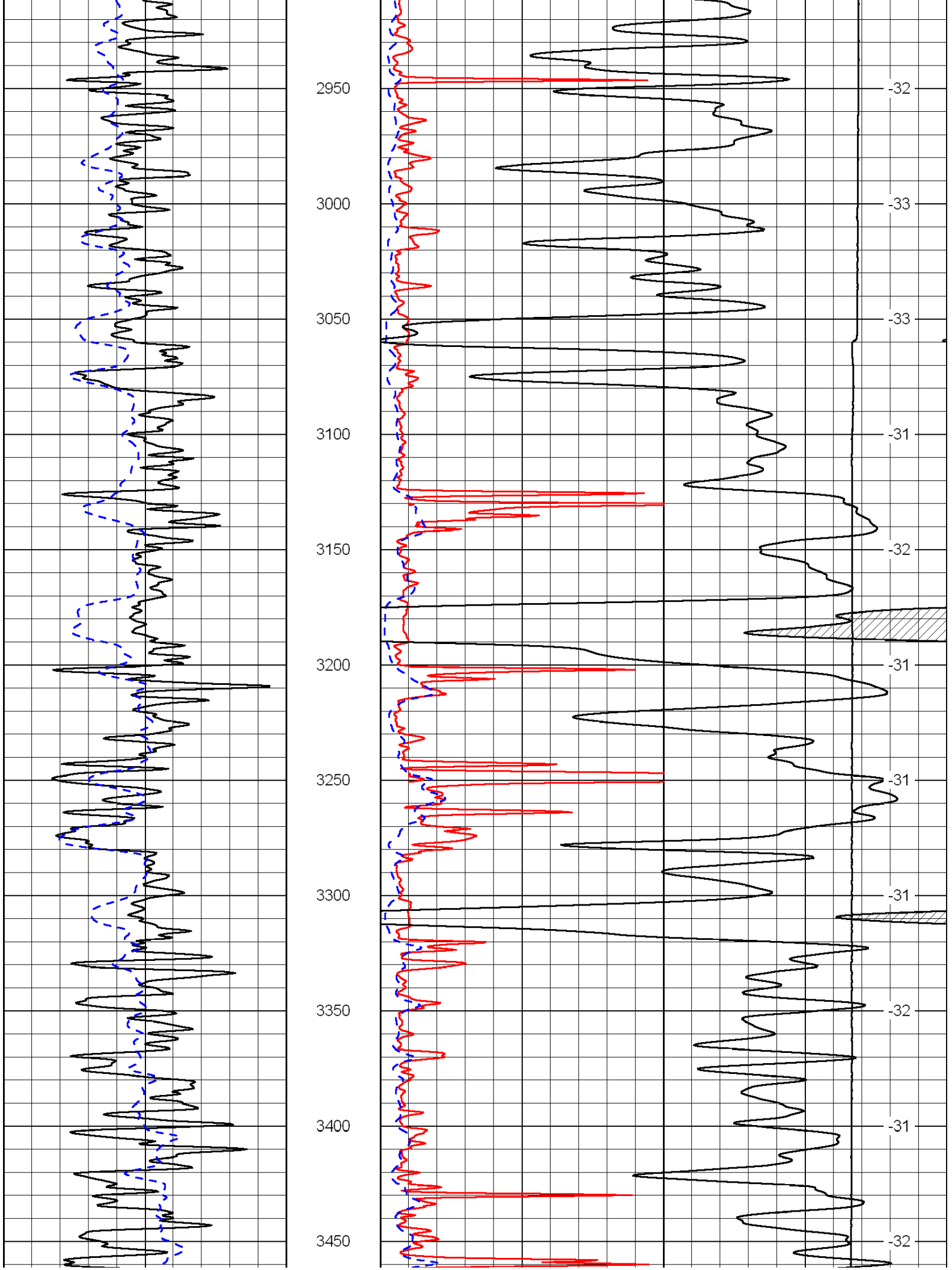
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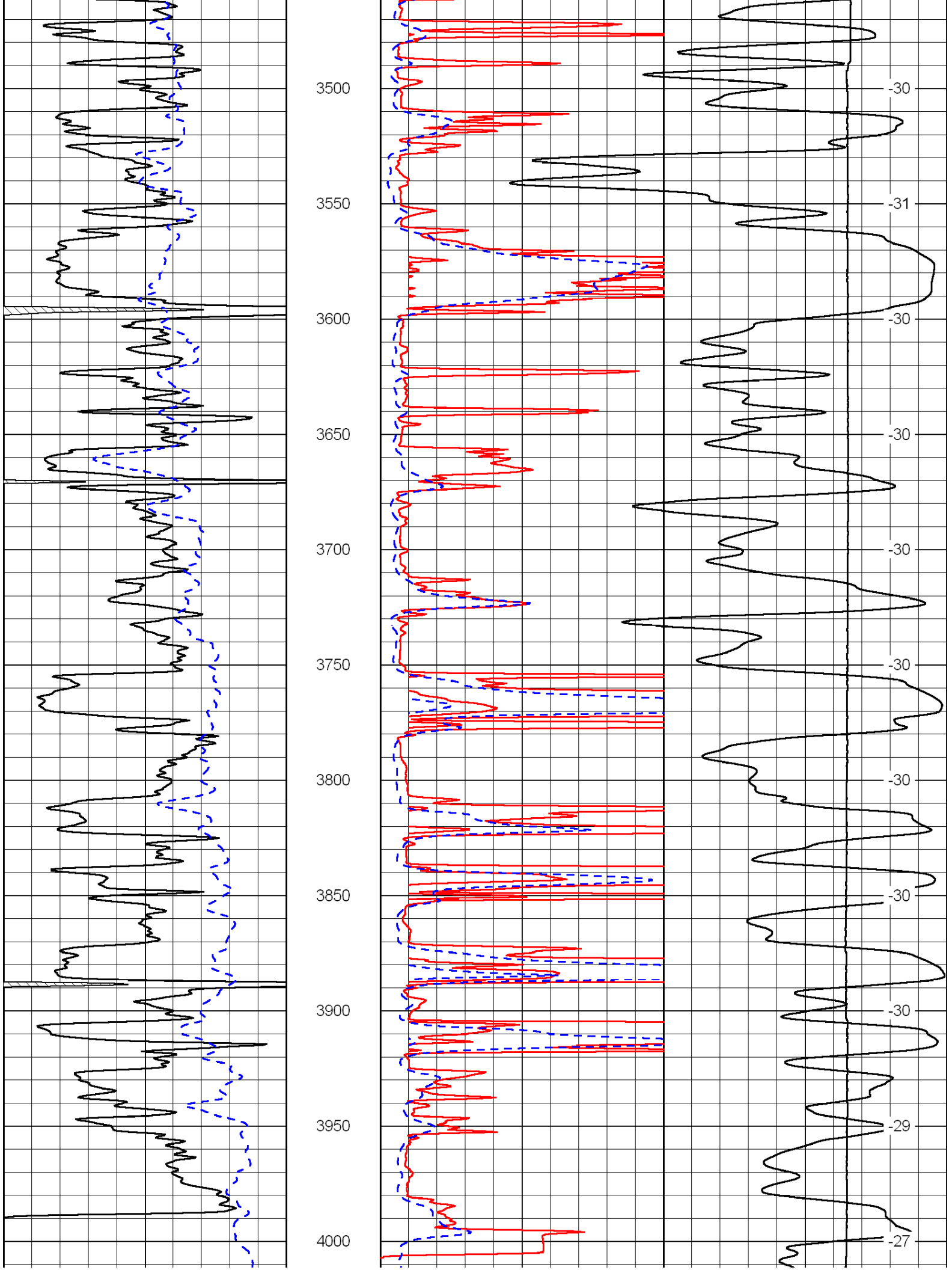
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3900
3950
4000
-30
-31
-30
-30
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-30
-30
-30
-29
-27

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

Database File:	c:\warrior\data\murfin_urban #1-32\murfin_urban 1-32hd.db
Dataset Pathname:	dil/murfa
Presentation Format:	dil
Dataset Creation:	Thu Feb 10 18:42:55 2011
Charted by:	Depth in Feet scaled 1:240

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

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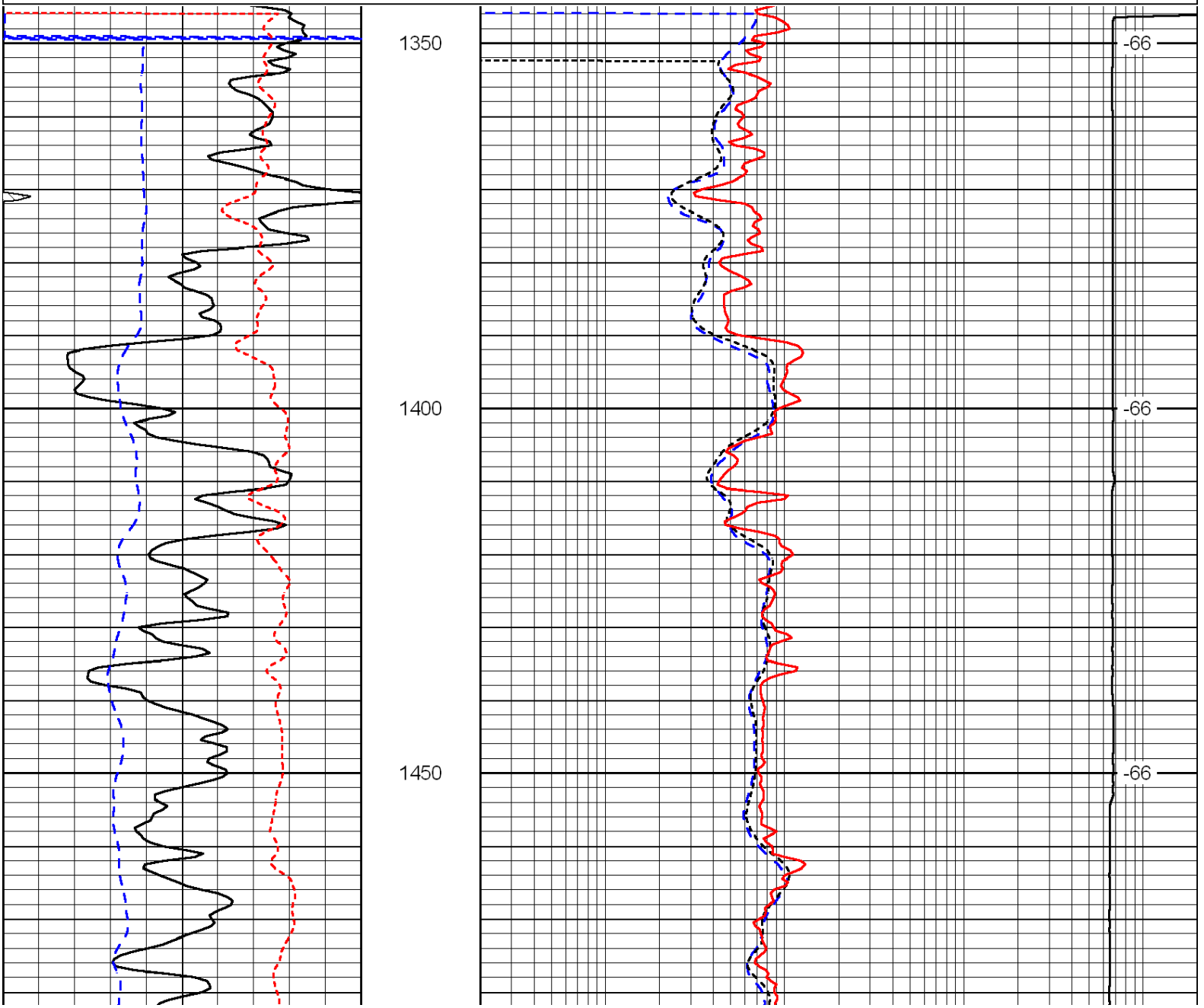
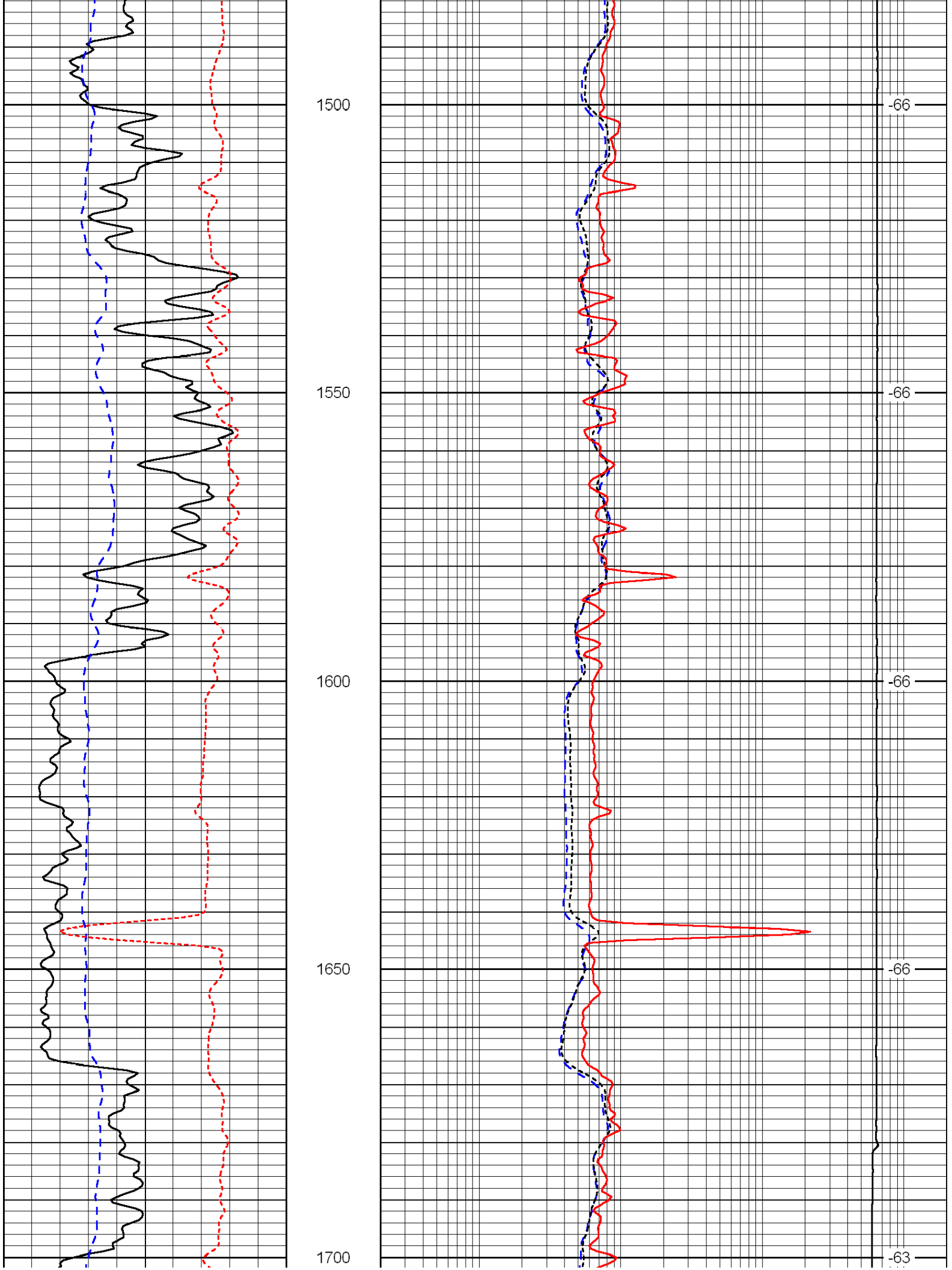
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

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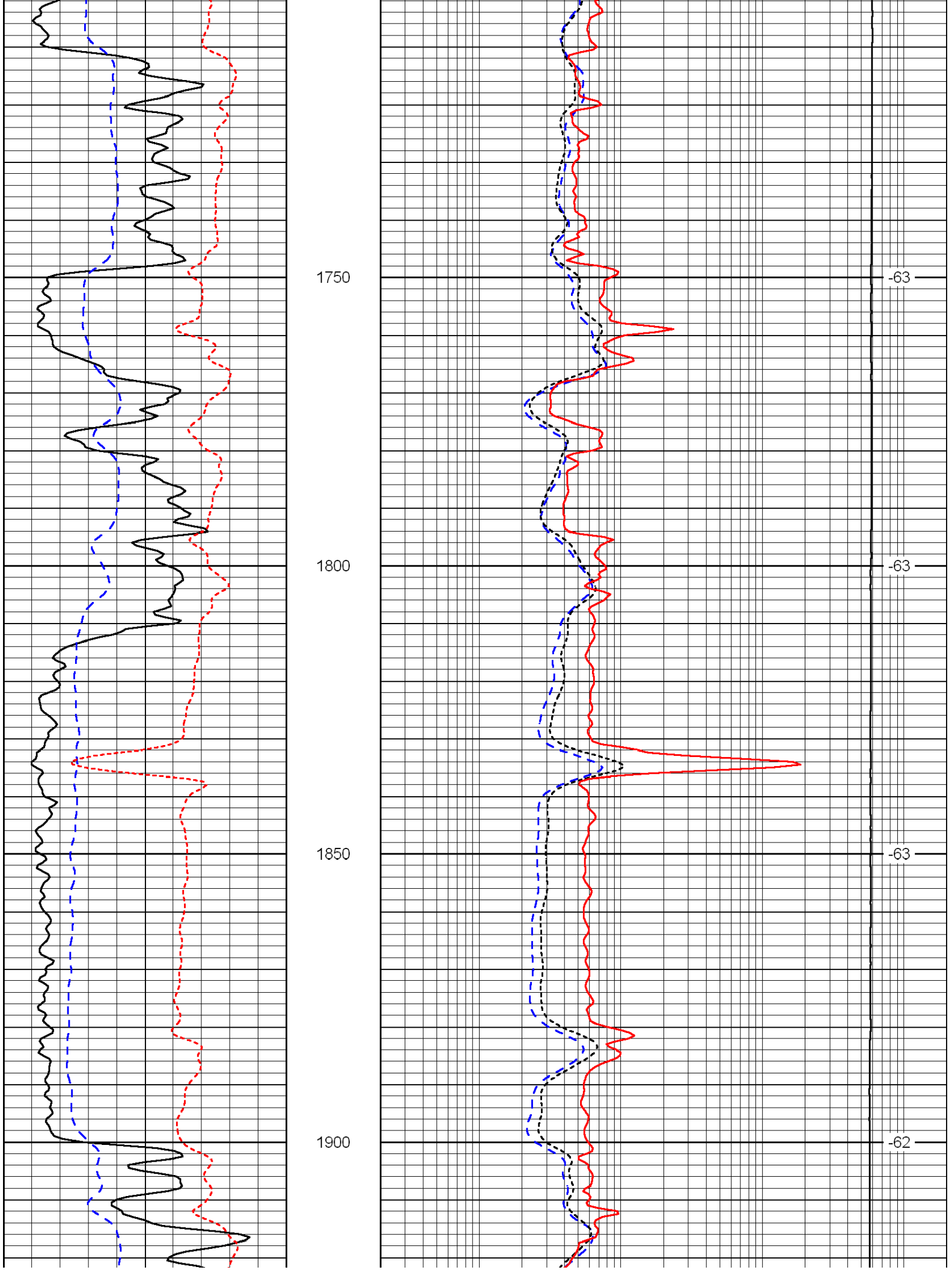
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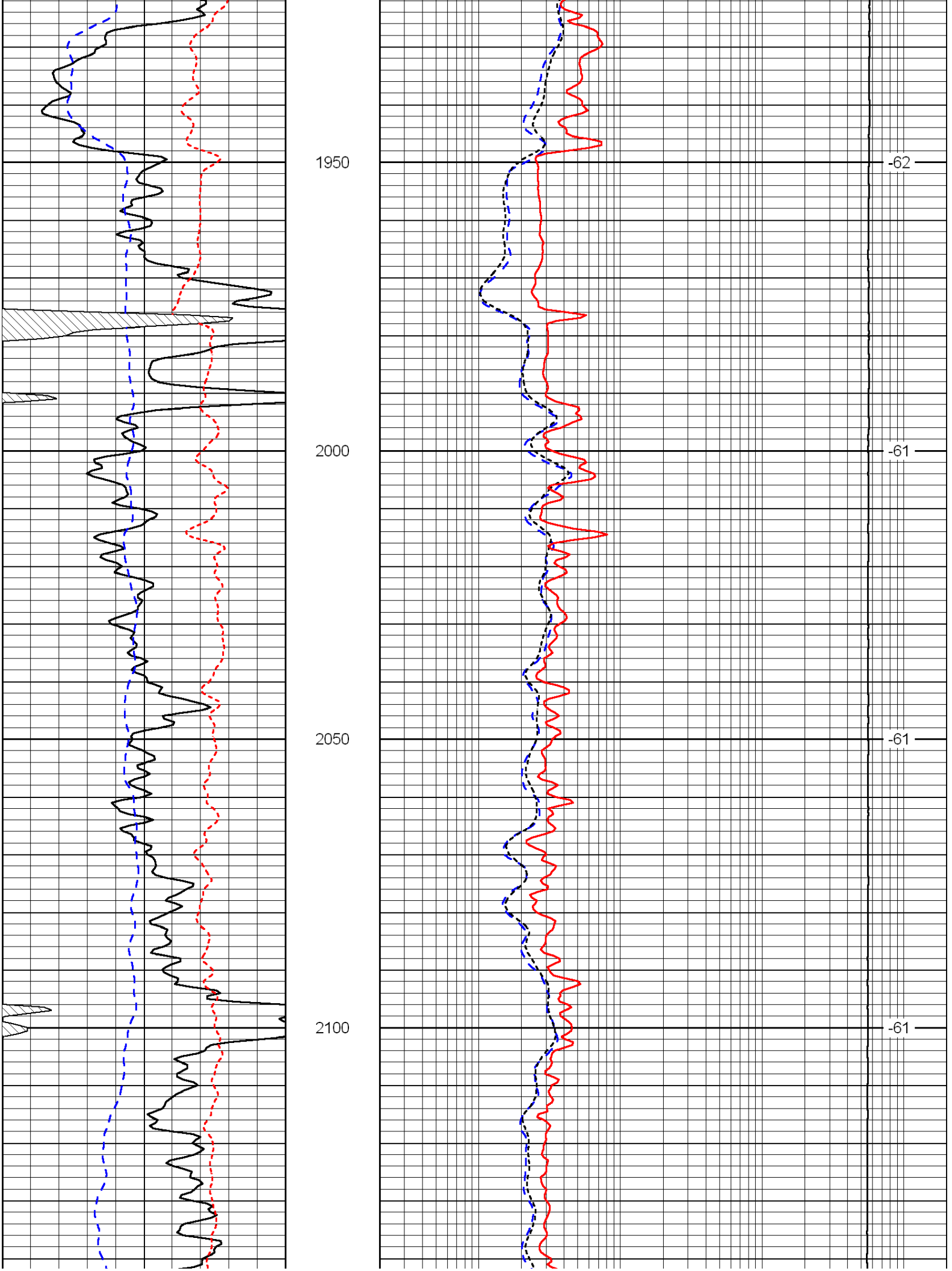
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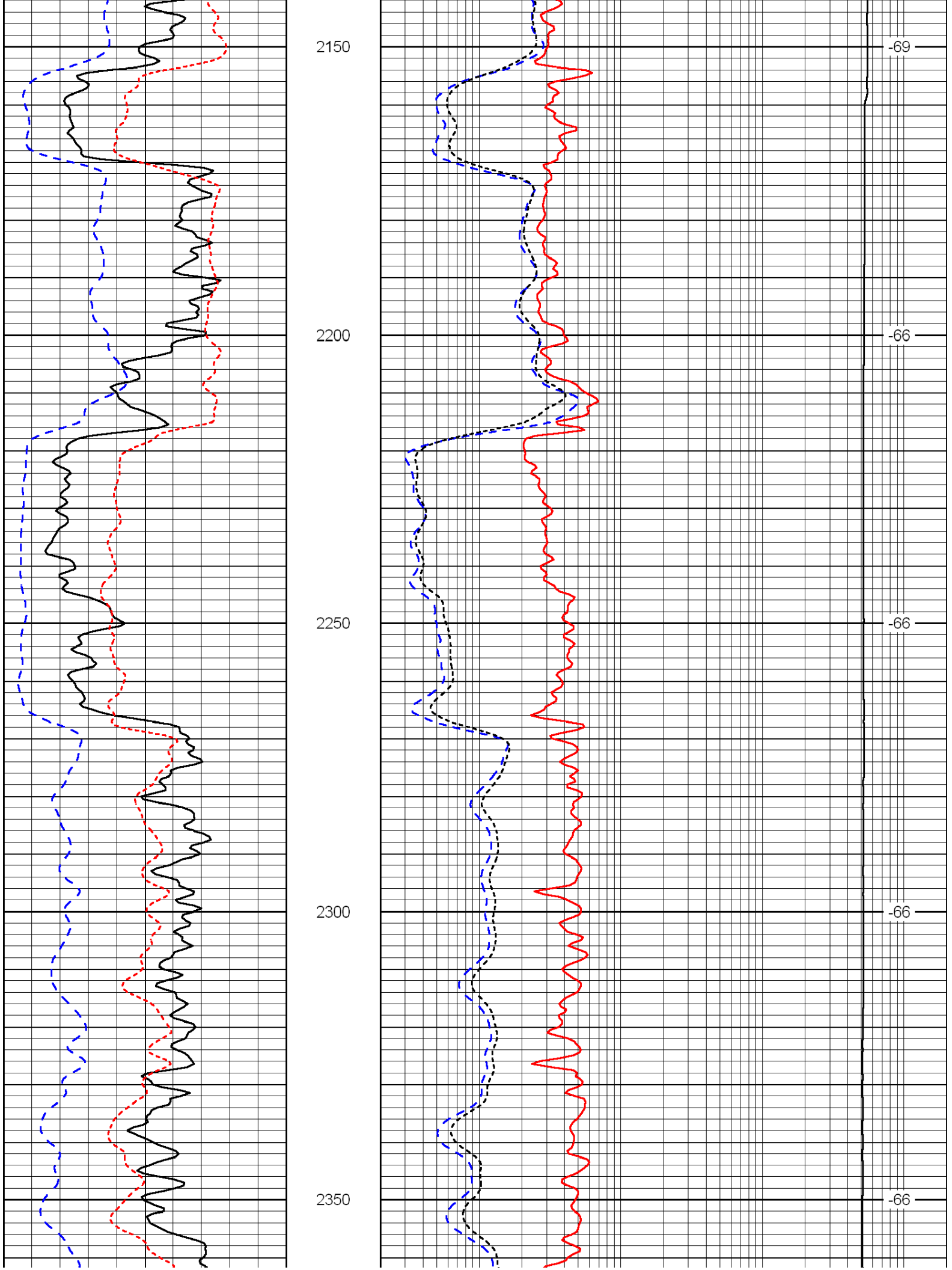
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2200
2250
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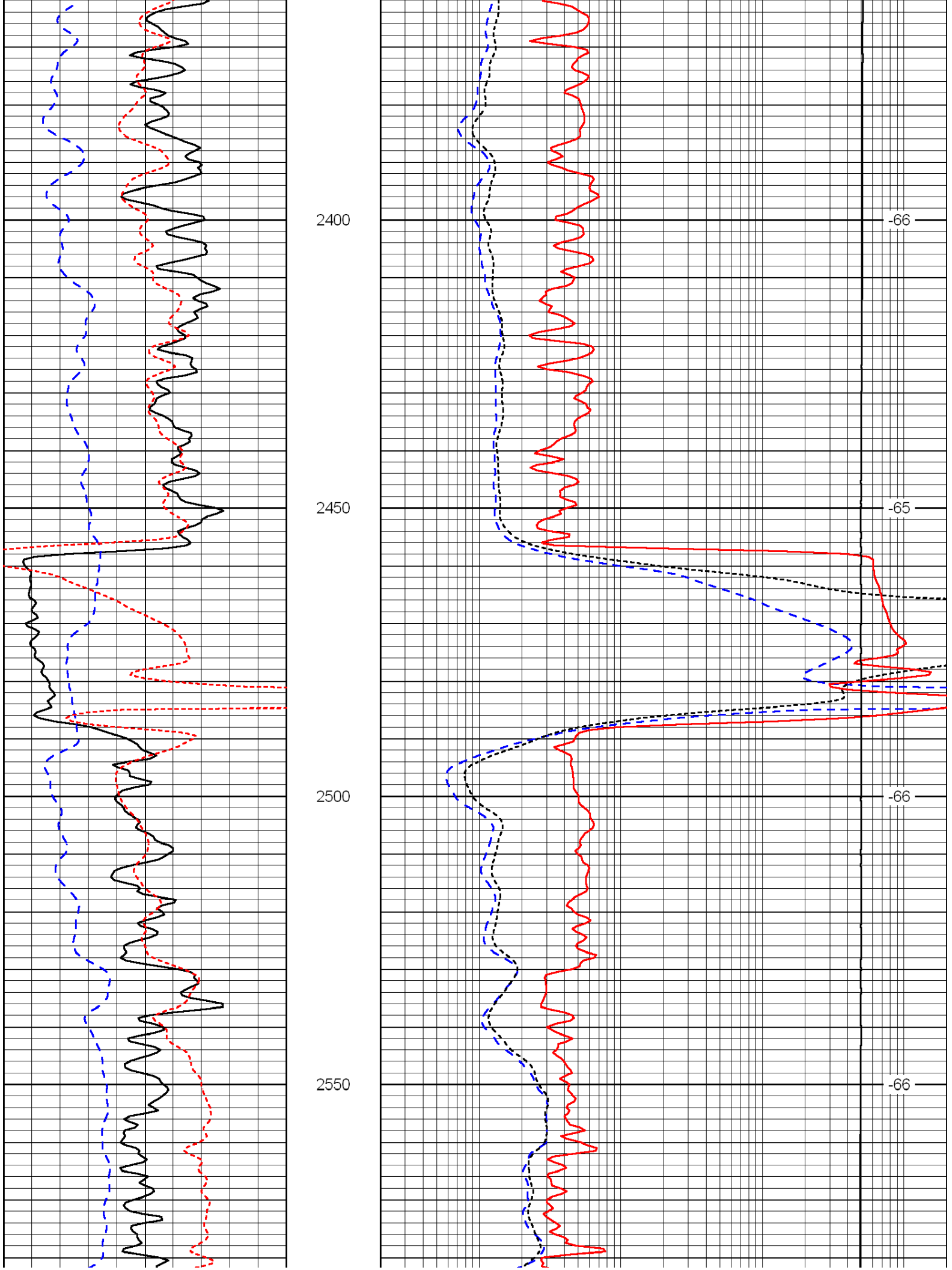
-66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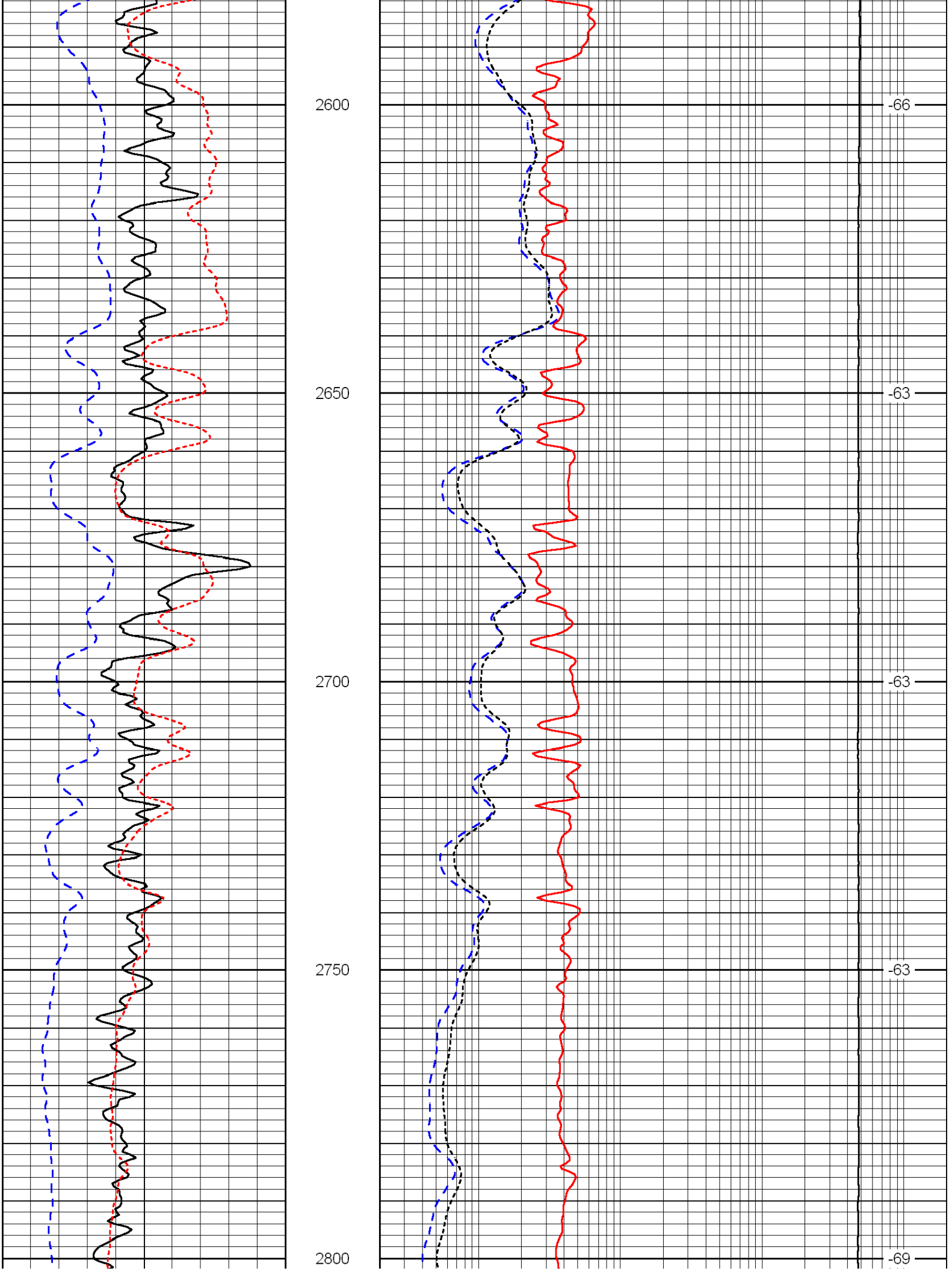
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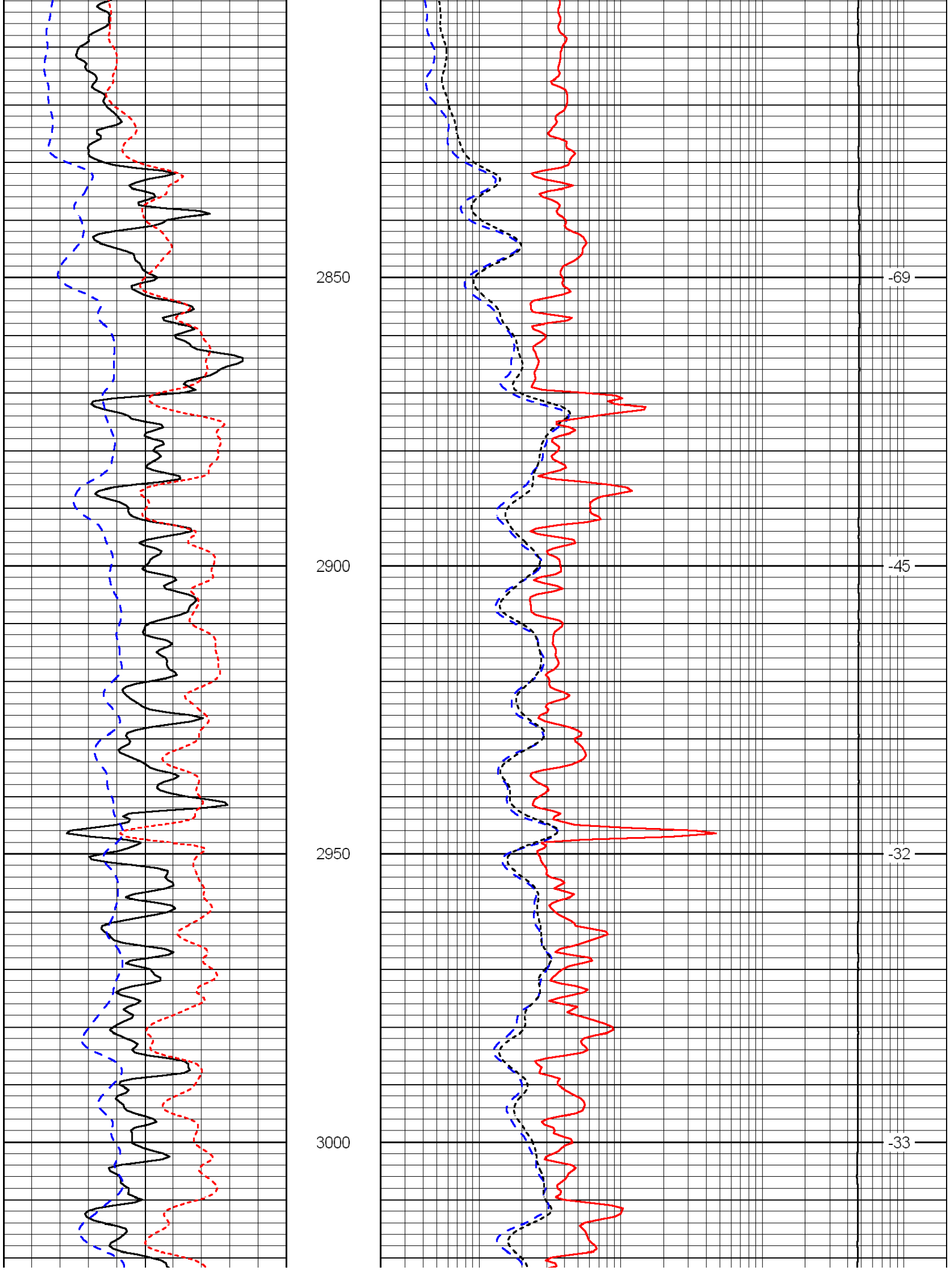
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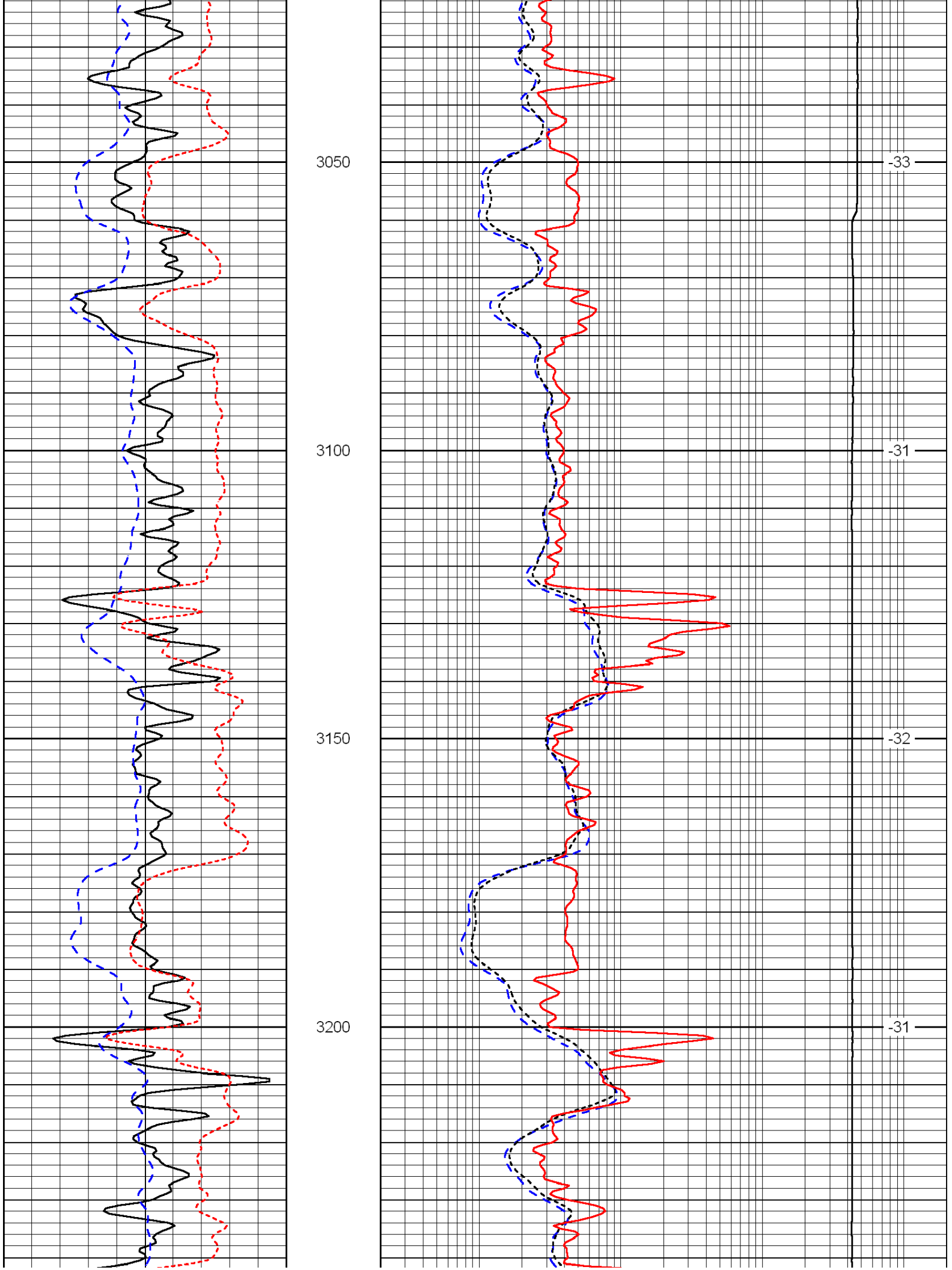
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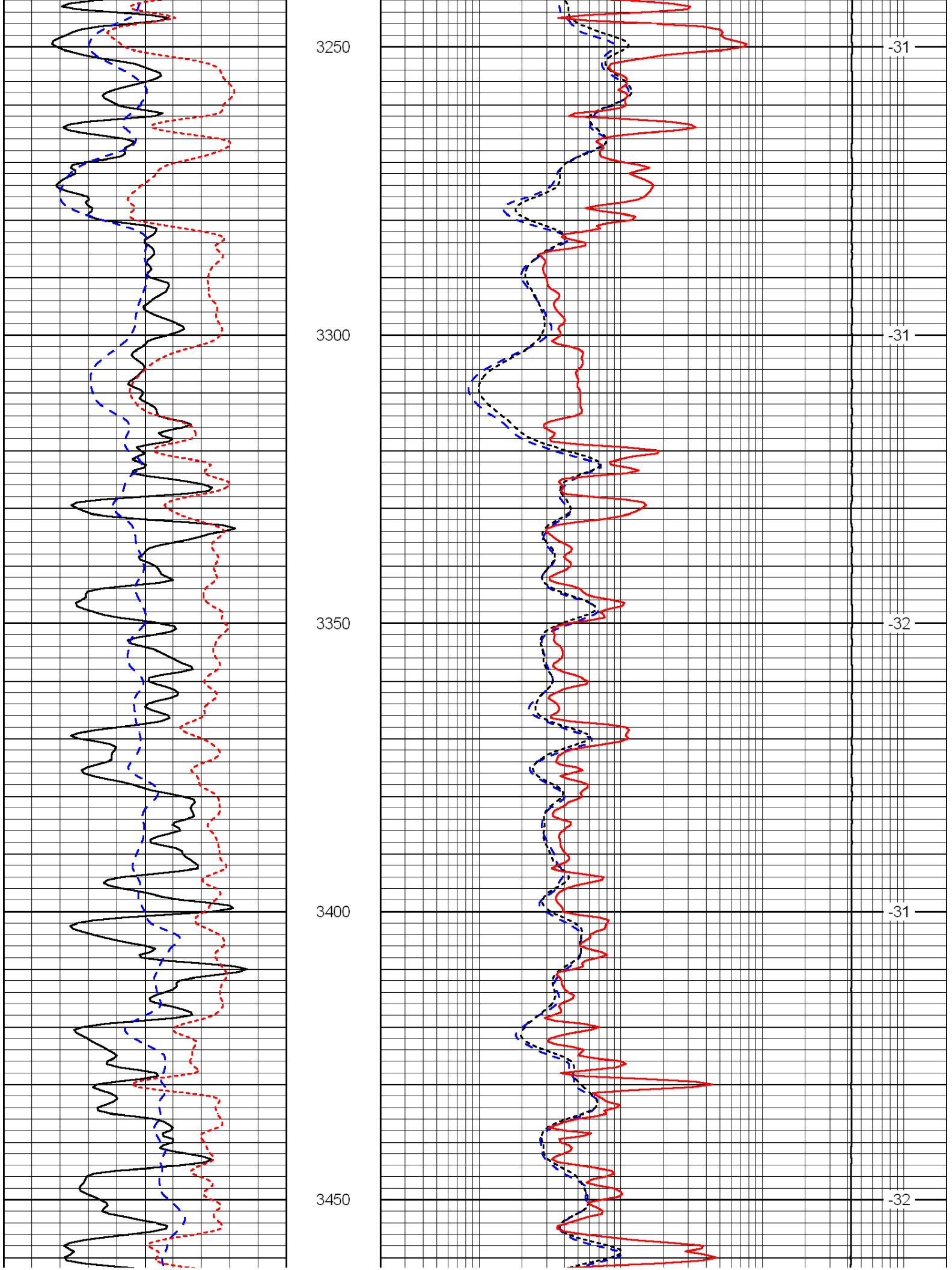
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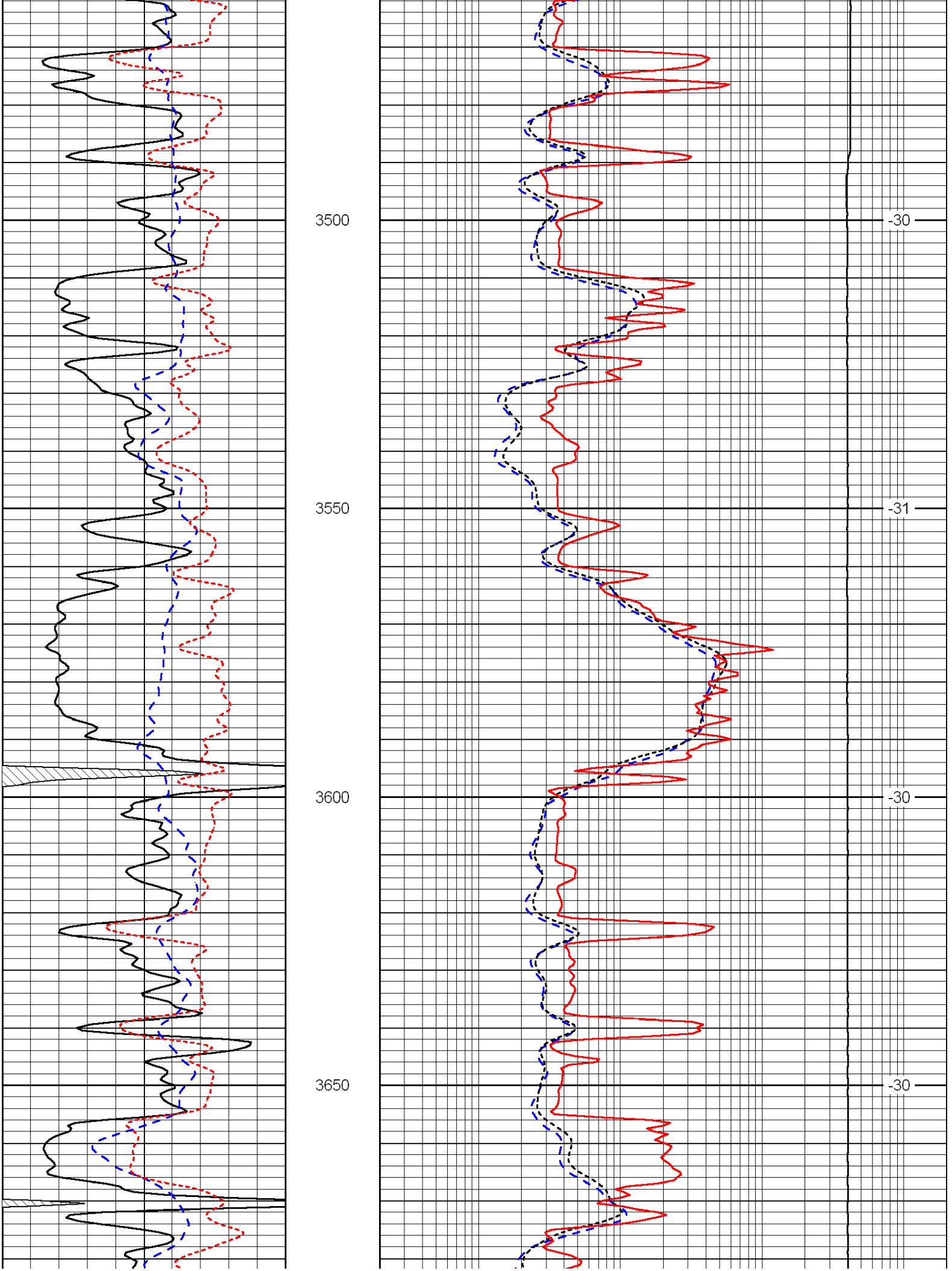
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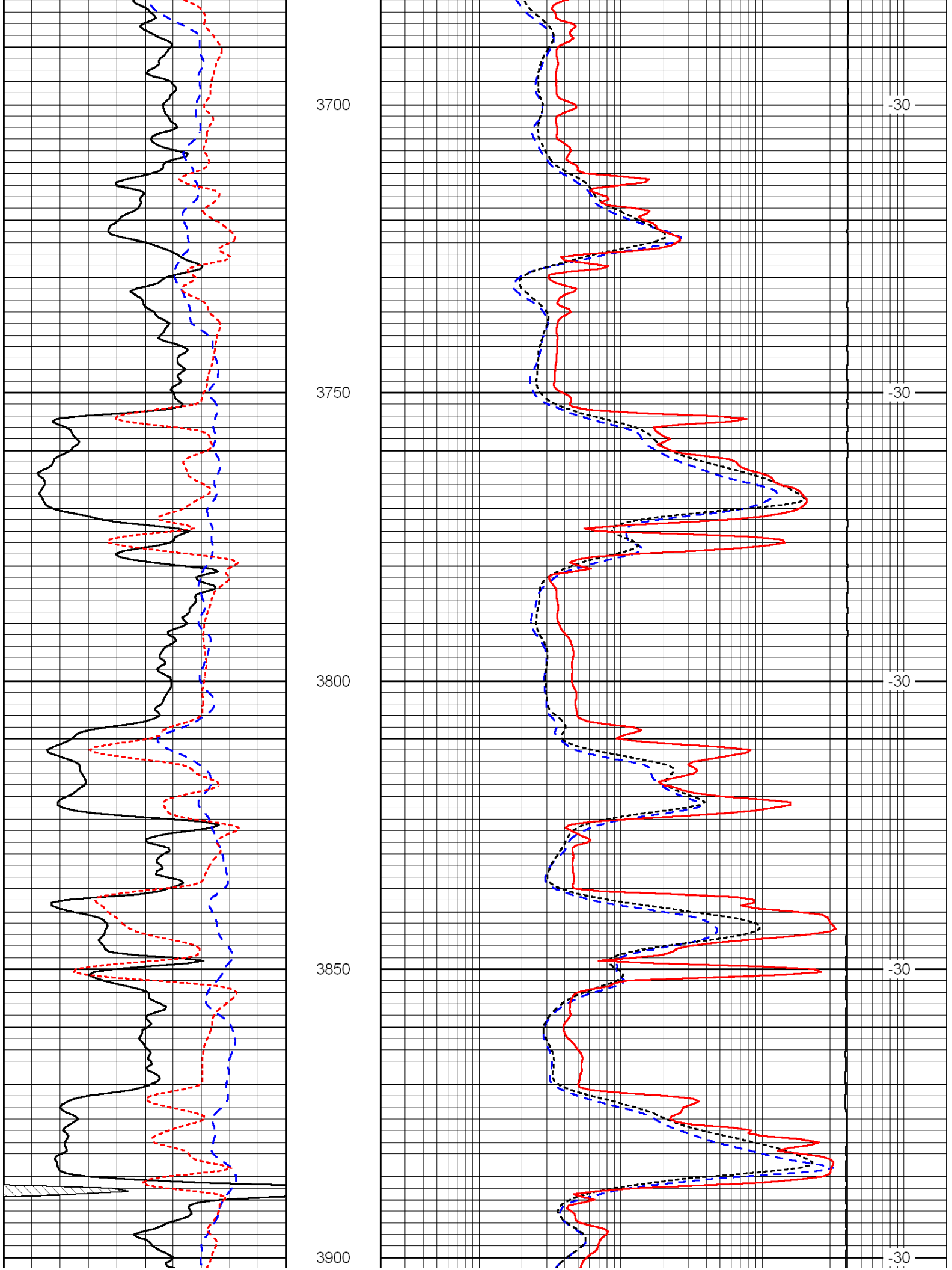
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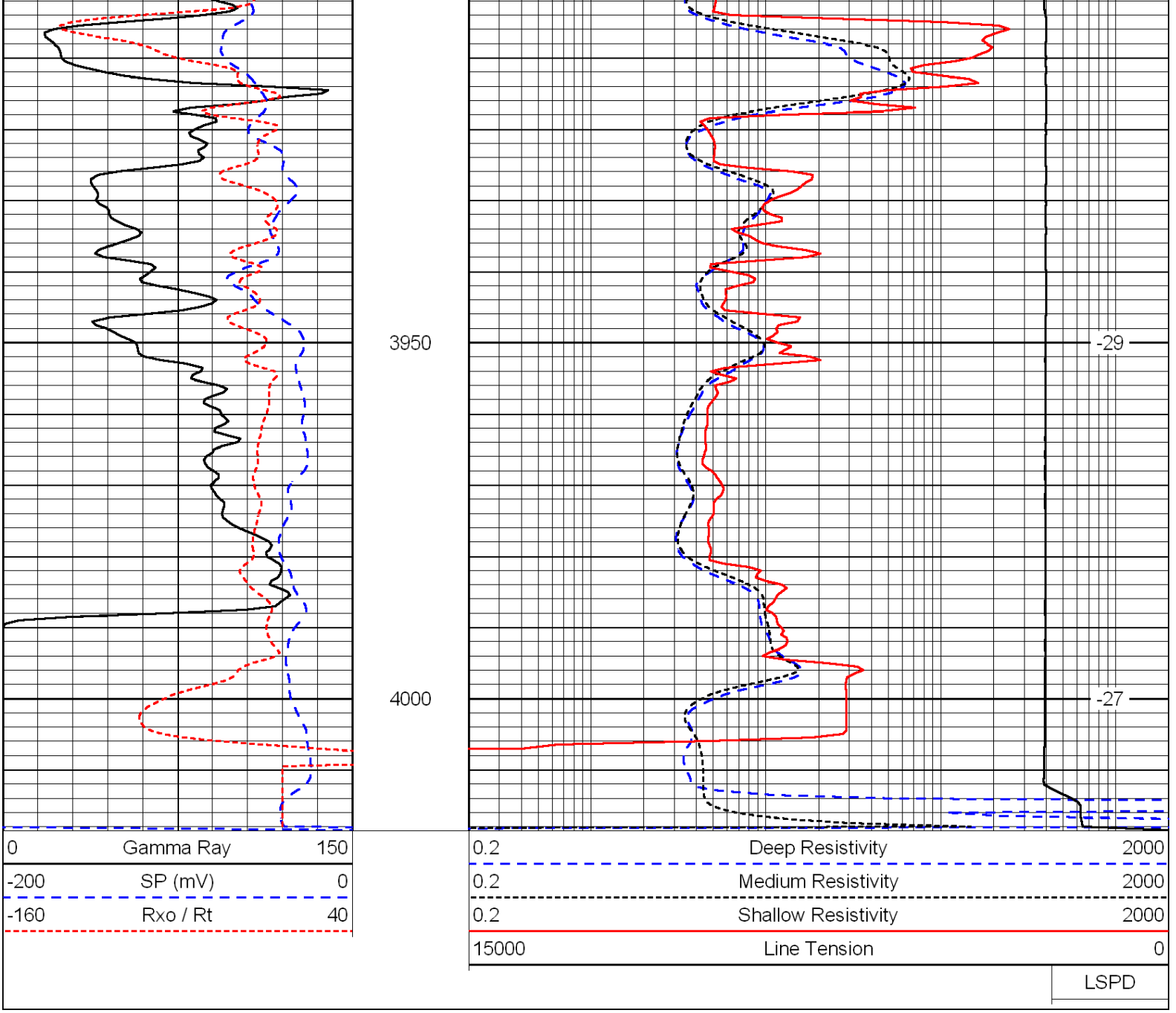
3950
4000
-29
-27
0
Gamma Ray
150
-200
SP (mV)
0
-160
Rxo / Rt
40
0.2
Deep Resistivity
2000
0.2
Medium Resistivity
2000
0.2
Shallow Resistivity
2000
15000
Line Tension
0
LSPD