LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Micro Log

API No. 15-033-21,586-00-00

Company F.G. Holl Company, LLC.
Well Box Ranch Unit "A" No. 1-12
Field Wildcat
County Comanche State Kansas

Location 60' N, 60' W of SE SW NW
Sec: 12 Twp: 35 S Rge: 20 W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1712
D.F.
G.L. 1699

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	8/8/2011
Run Number	One
Type Log	CNL / CDL / MICRO
Depth Driller	6750
Depth Logger	6755
Bottom Logged Interval	6734
Top Logged Interval	2200
Type Fluid In Hole	Chemical
Salinity, PPM CL	5,000
Density	9.0
Level	Full
Max. Rec. Temp. F	146
Operating Rig Time	7 Hours
Equipment -- Location	91 Hays
Recorded By	K. Bange
Witnessed By	Rene Hustead

Elevation 1699

Borehole Record

Run No.	Bit	From	To
1	12.25	00	859
2	7.875	859	6750

Casing Record

Size	Wgt.	From	To
8.625	24#	00	859

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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

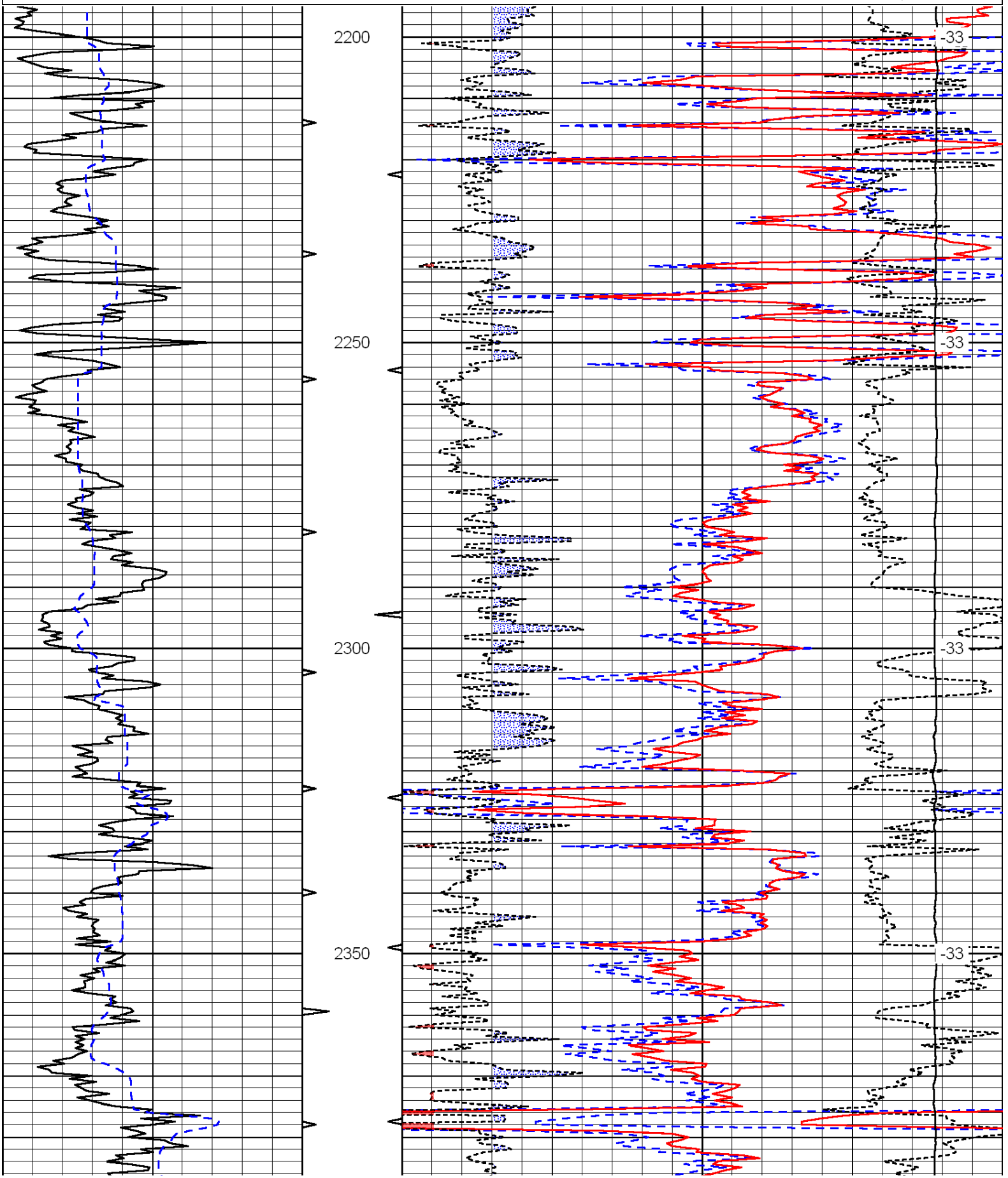
Protectiohn, 11 S (road curves west) S into at Box Ranch sign,
Stay right on lease rd.

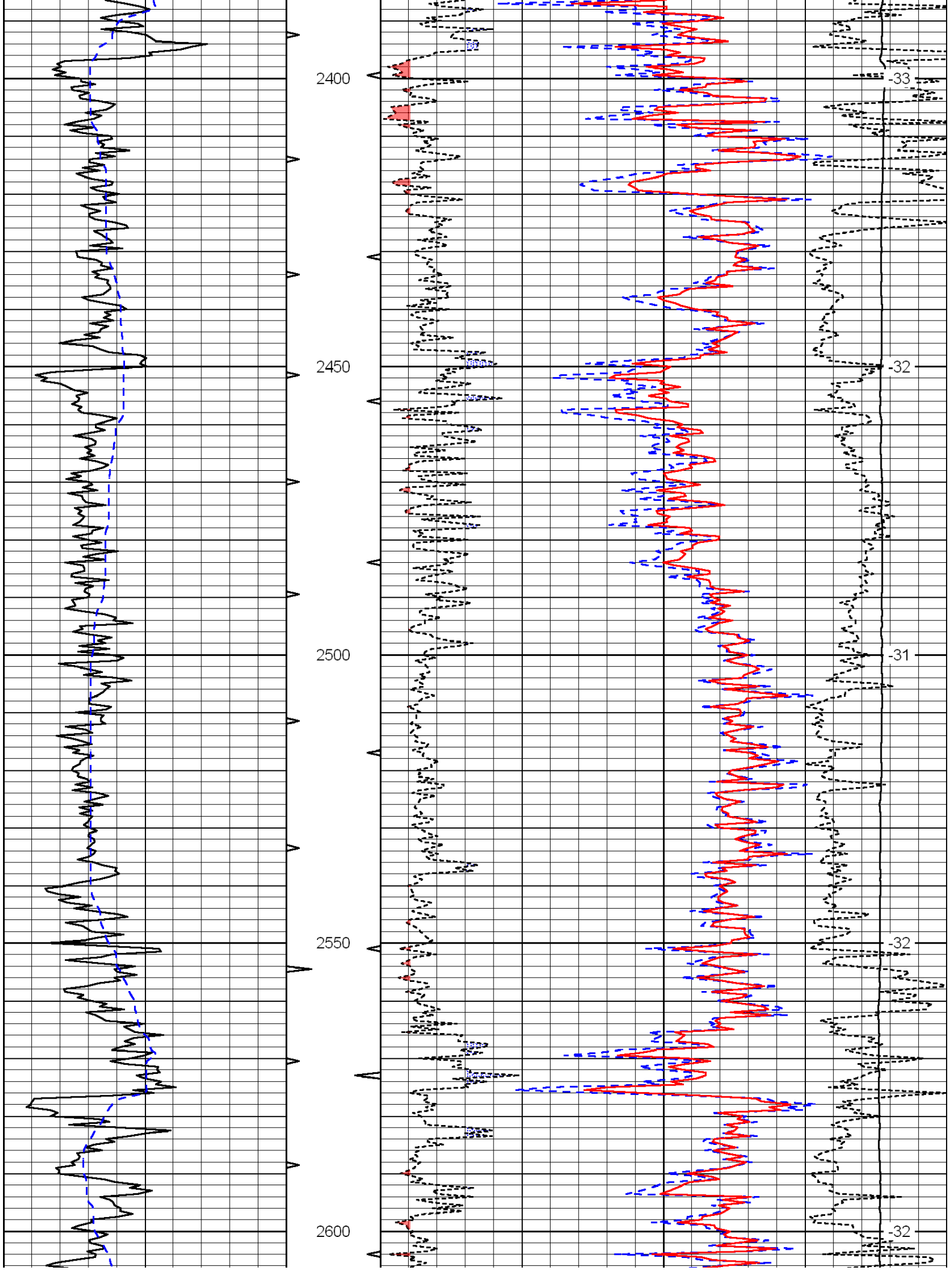
Database File:	c:\warrior\data\fg holl_box ranch unit a no. 1-12\fgholl080811hd.db
Dataset Pathname:	dil/fgstack
Presentation Format:	cdl
Dataset Creation:	Mon Aug 08 12:49:02 2011
Charted by:	Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density	-10			
2	Bulk Density	3			
15000	Line Tension	0			
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

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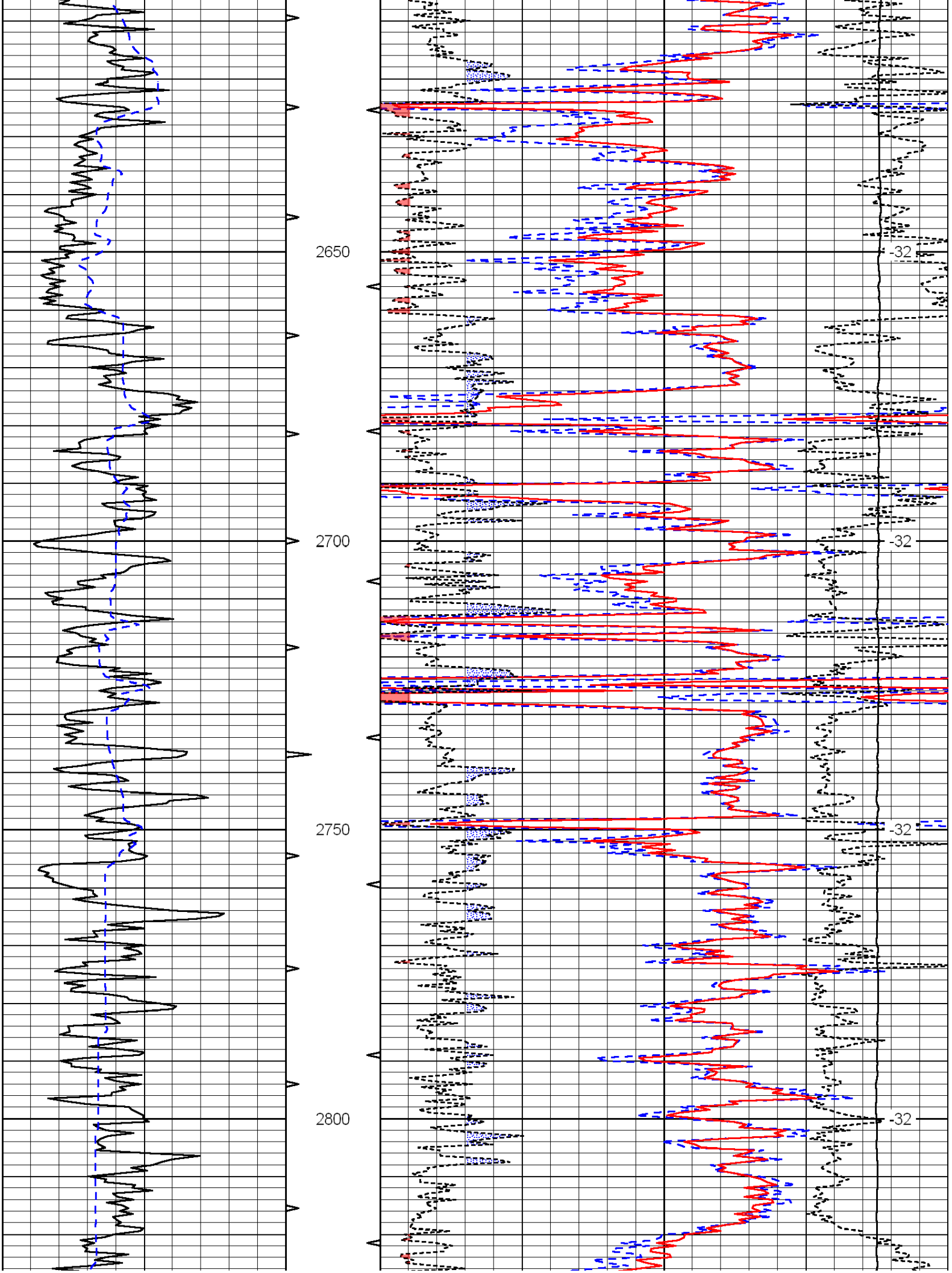
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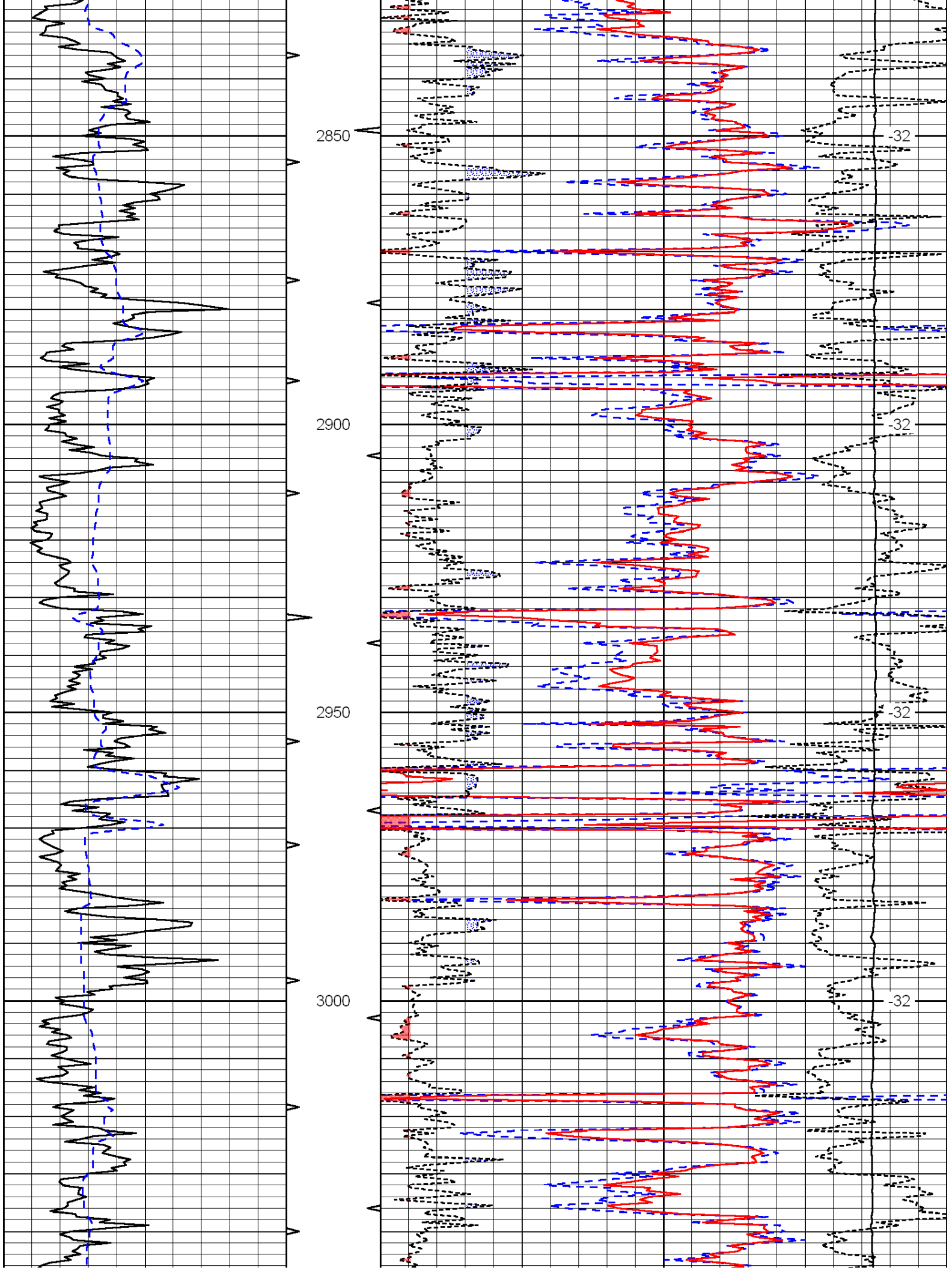
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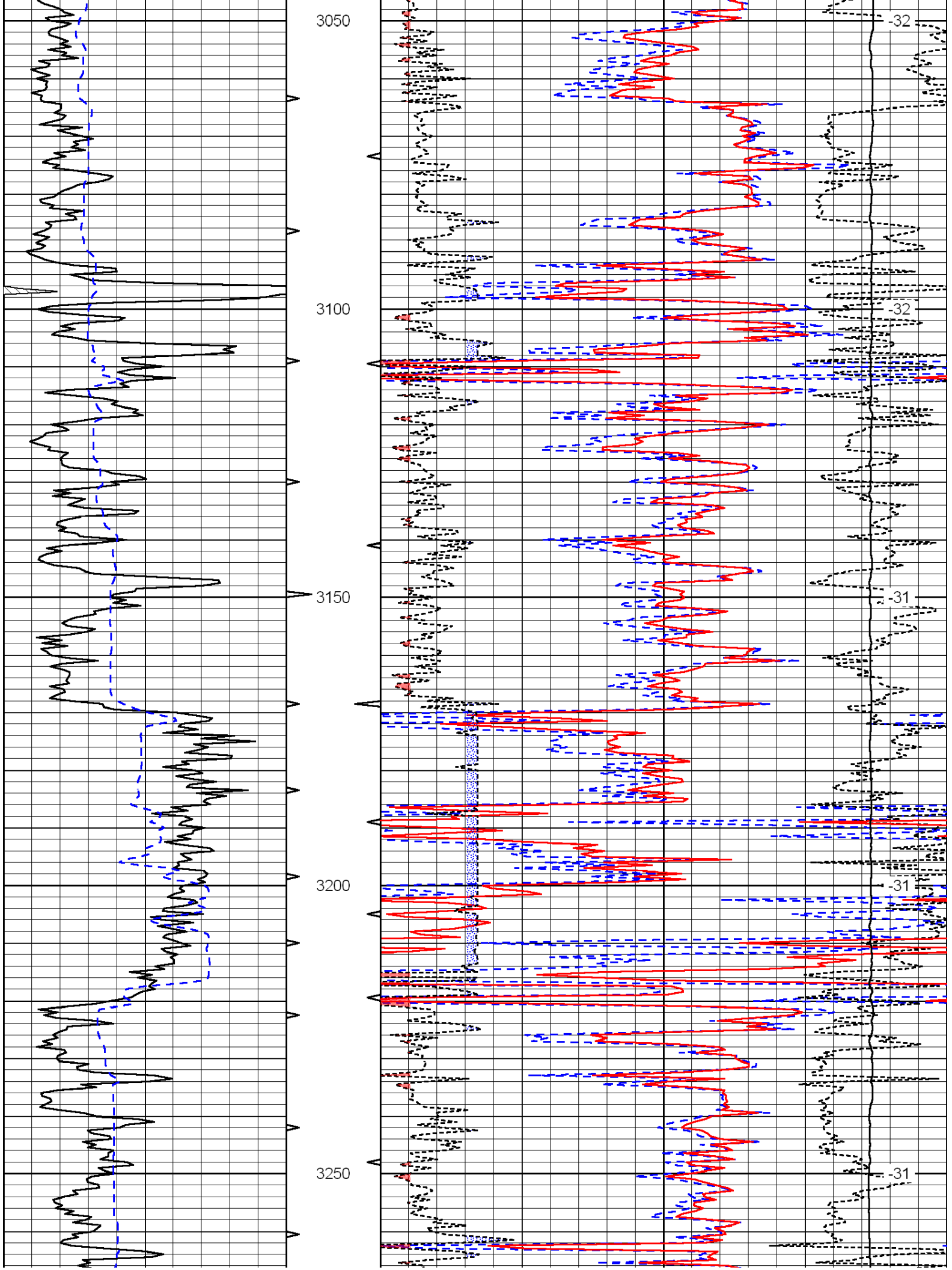
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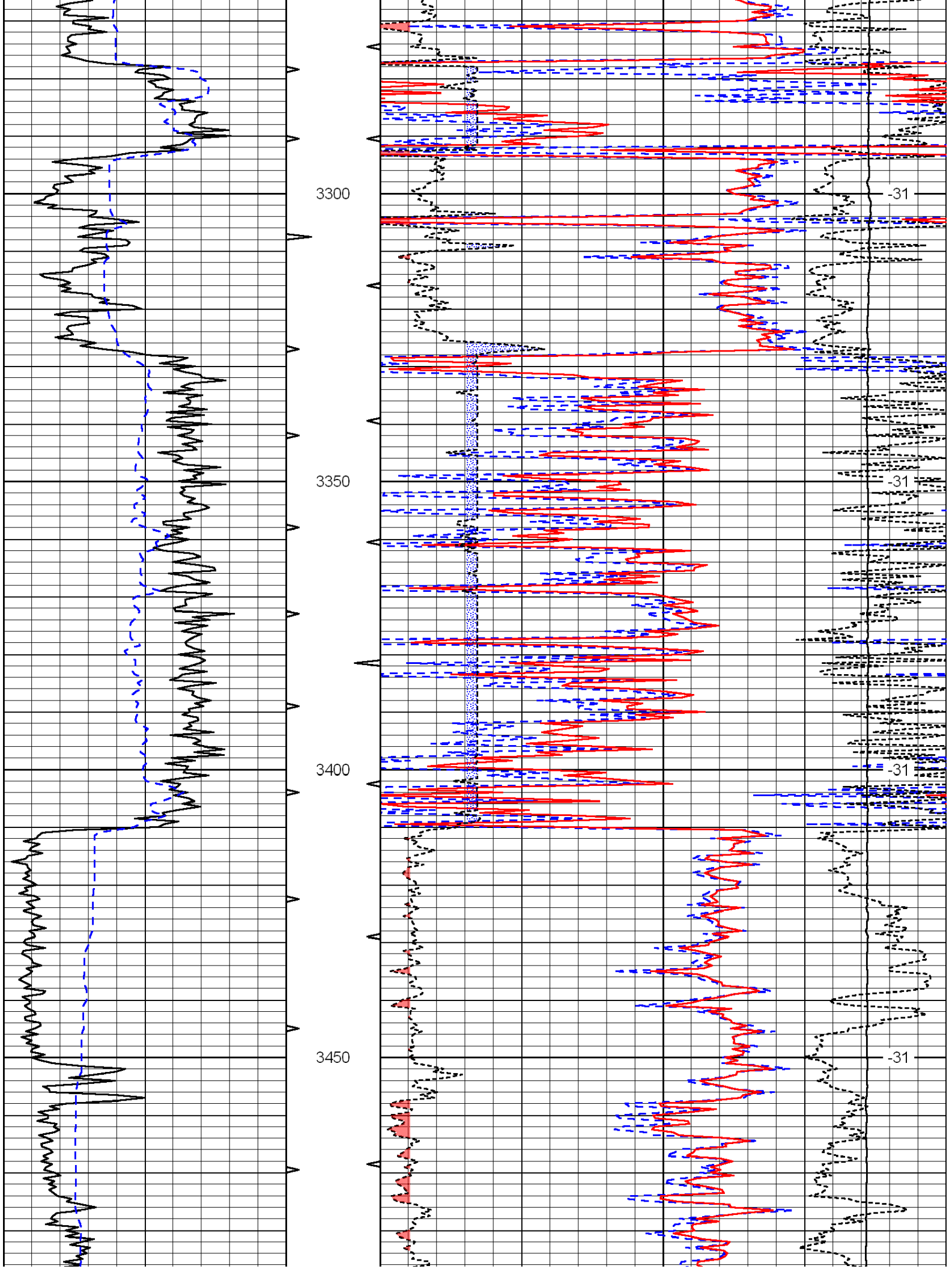
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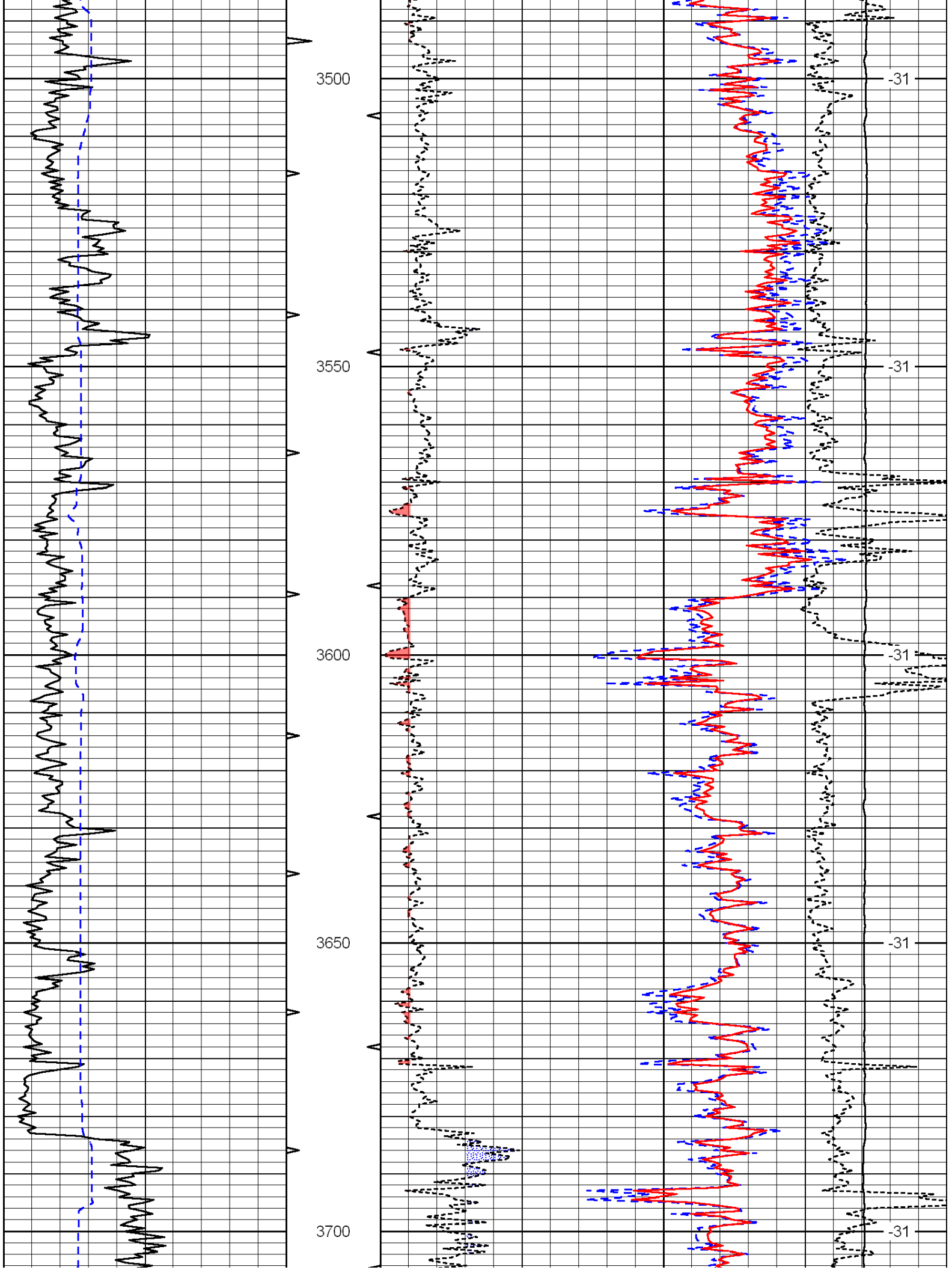
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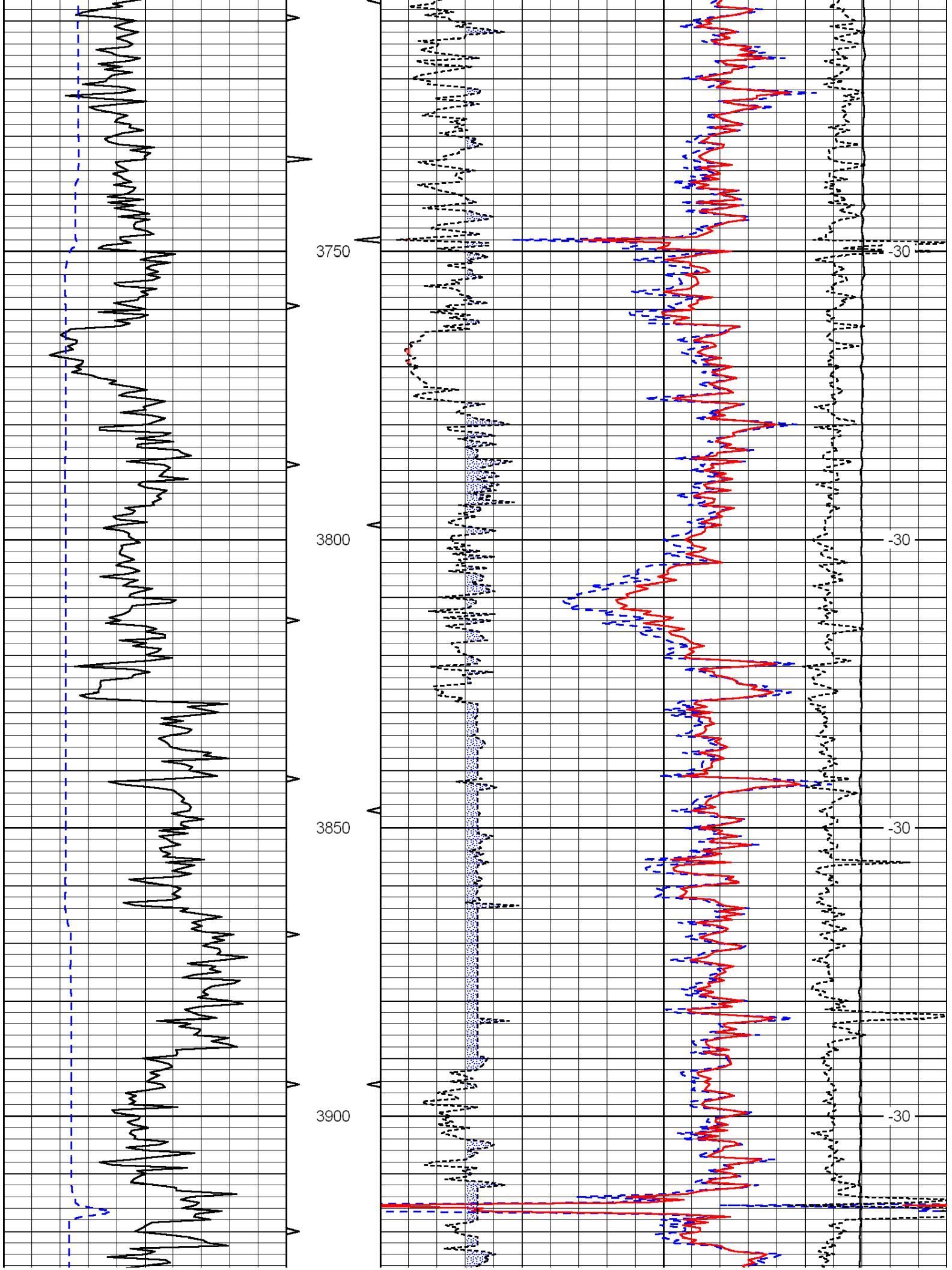
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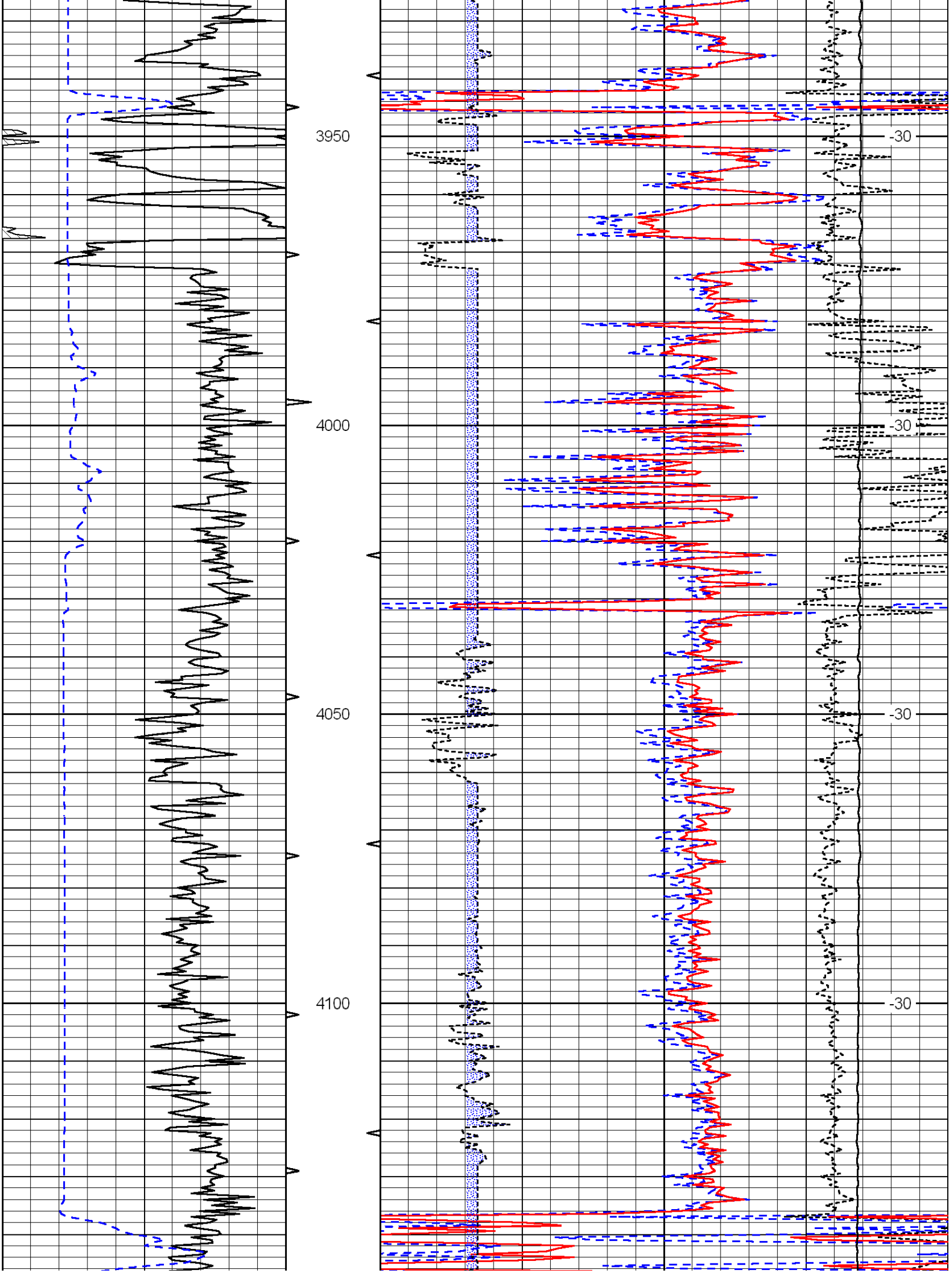
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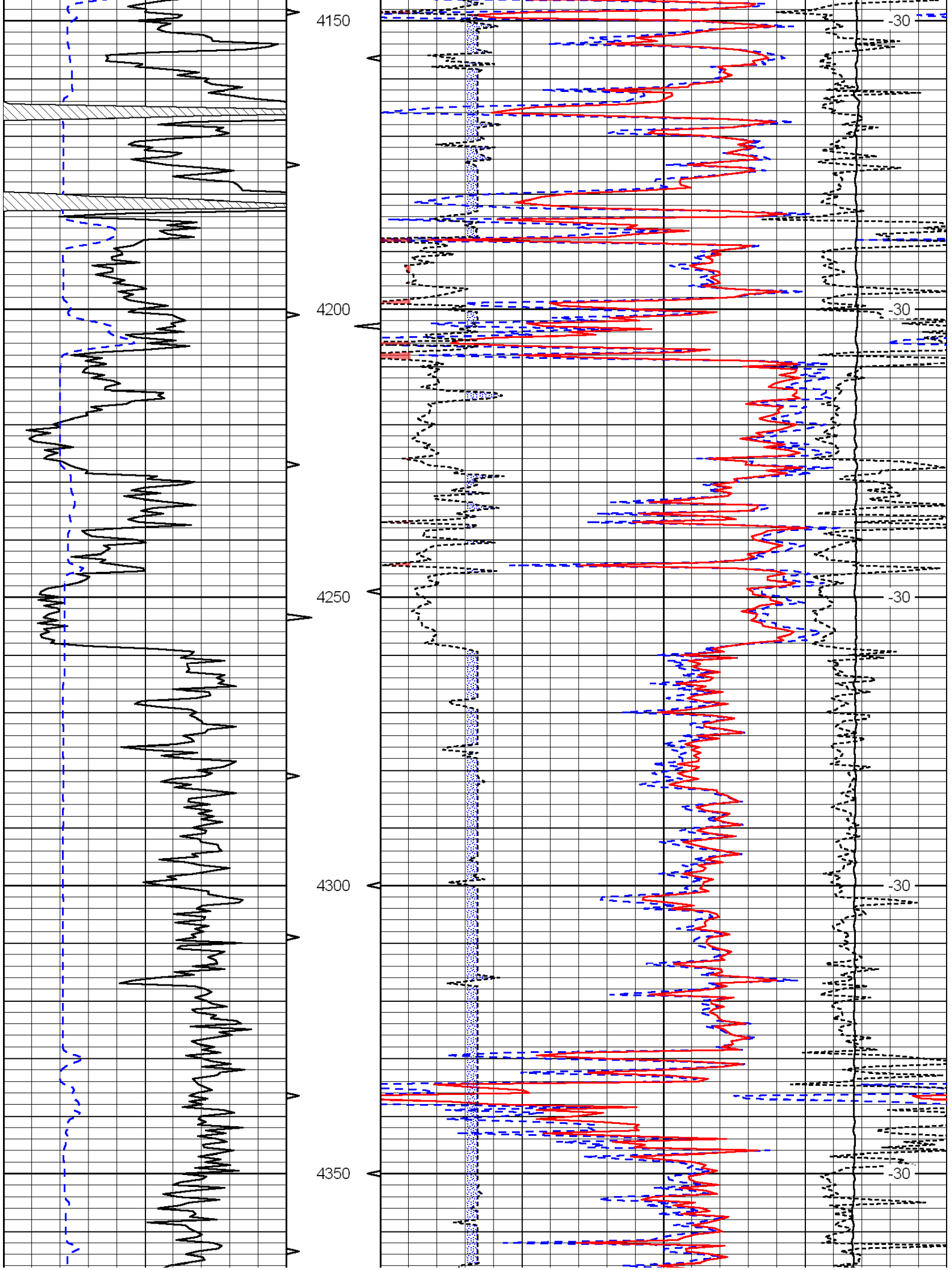
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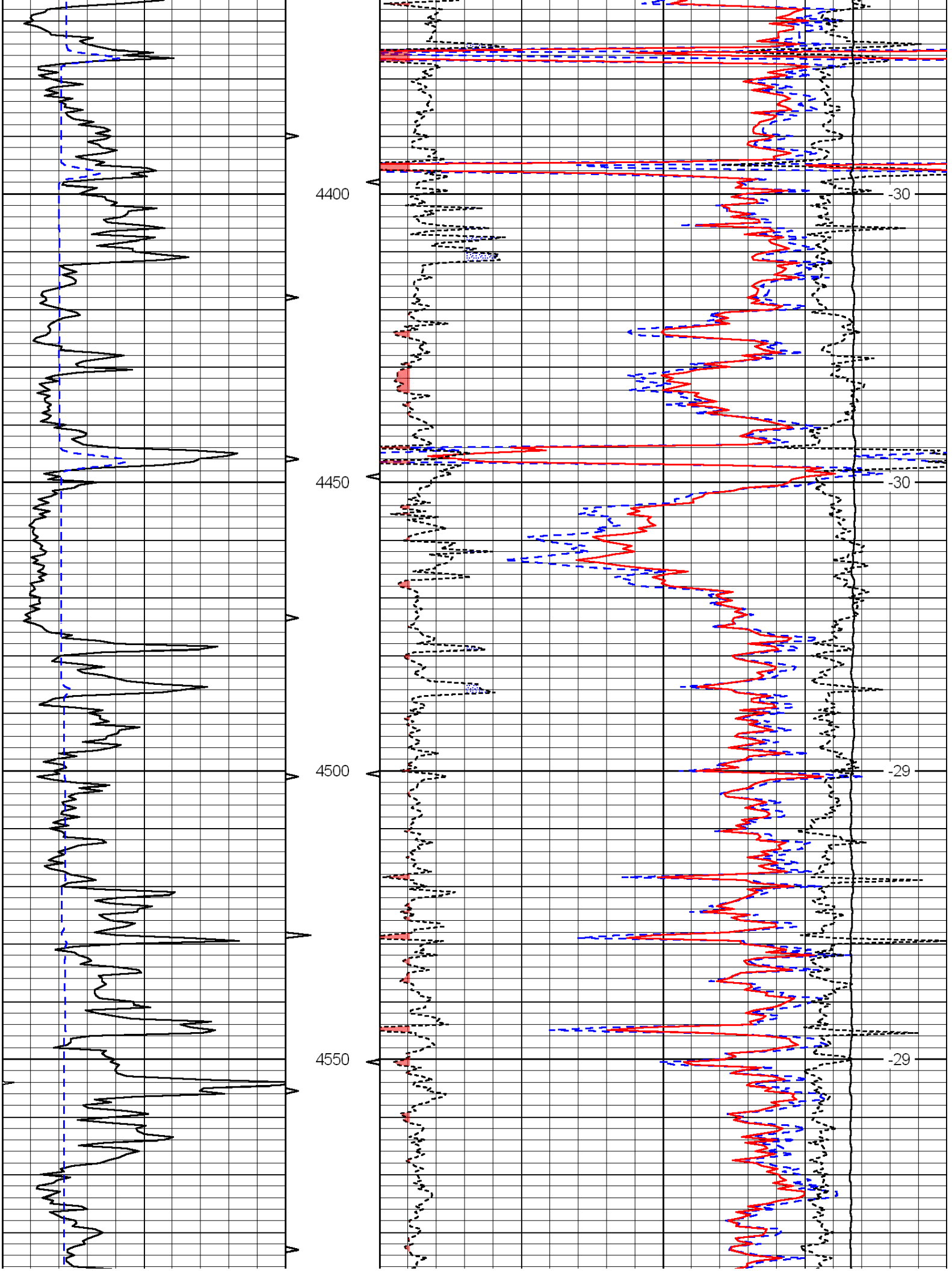
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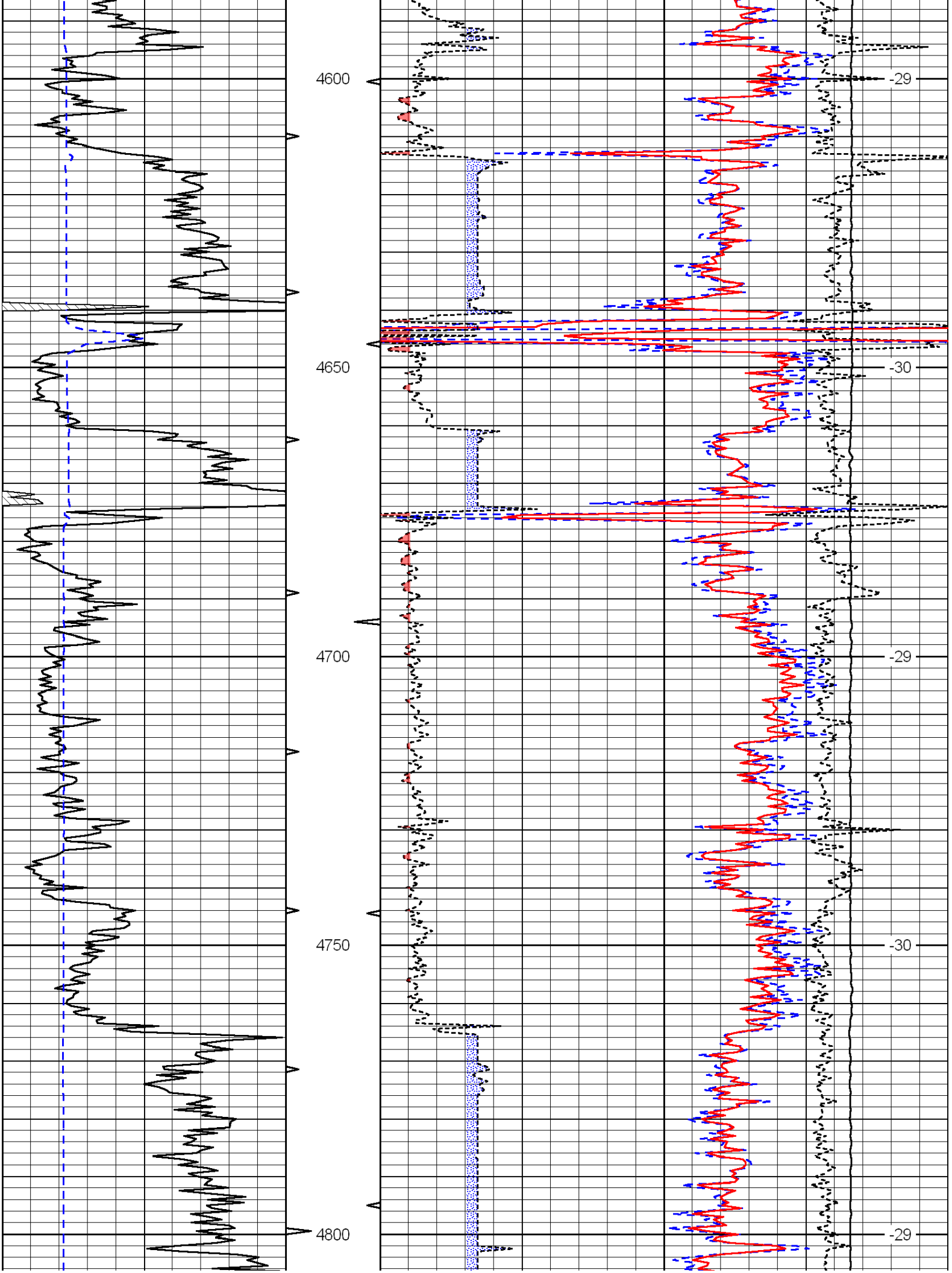
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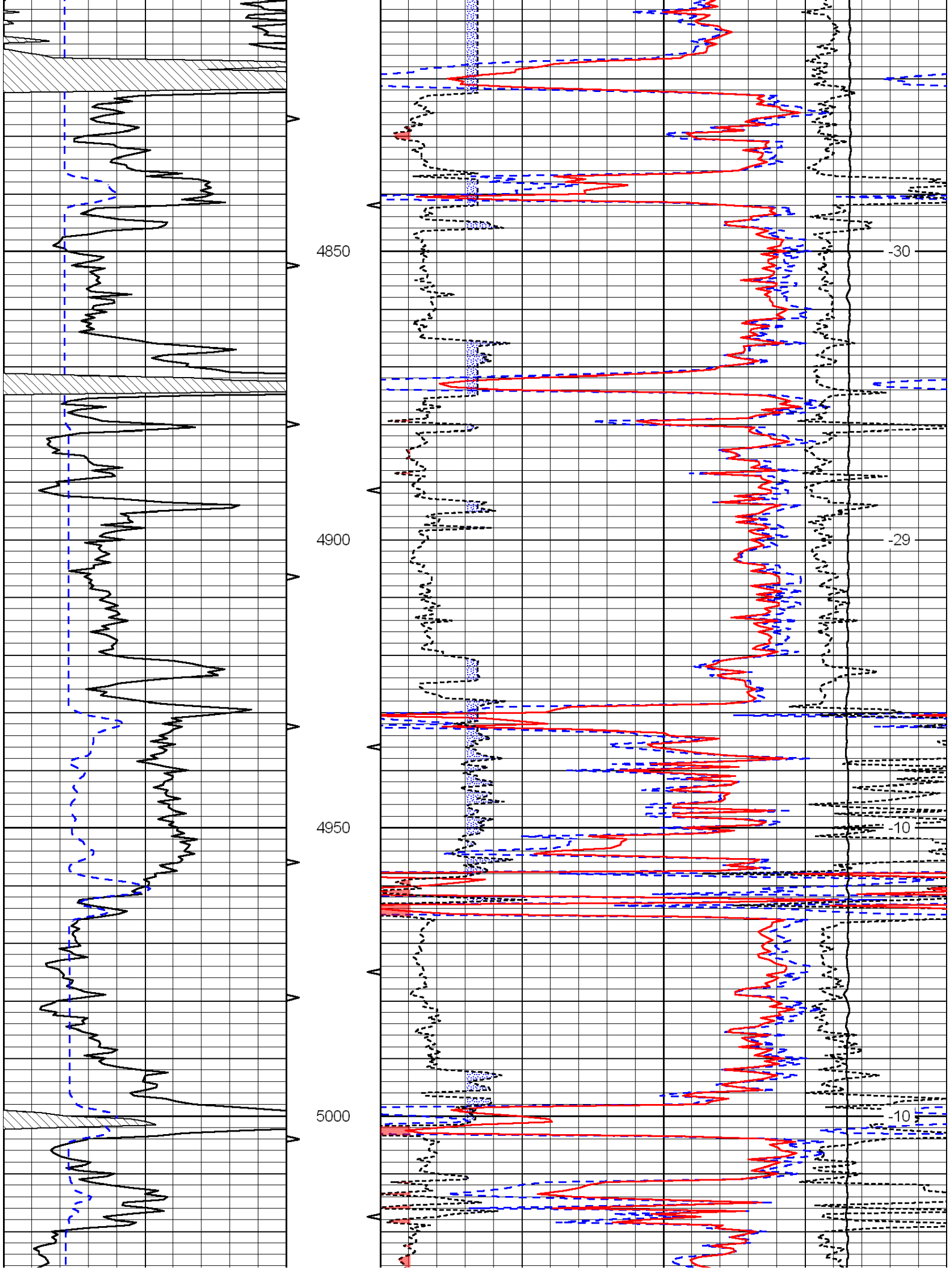
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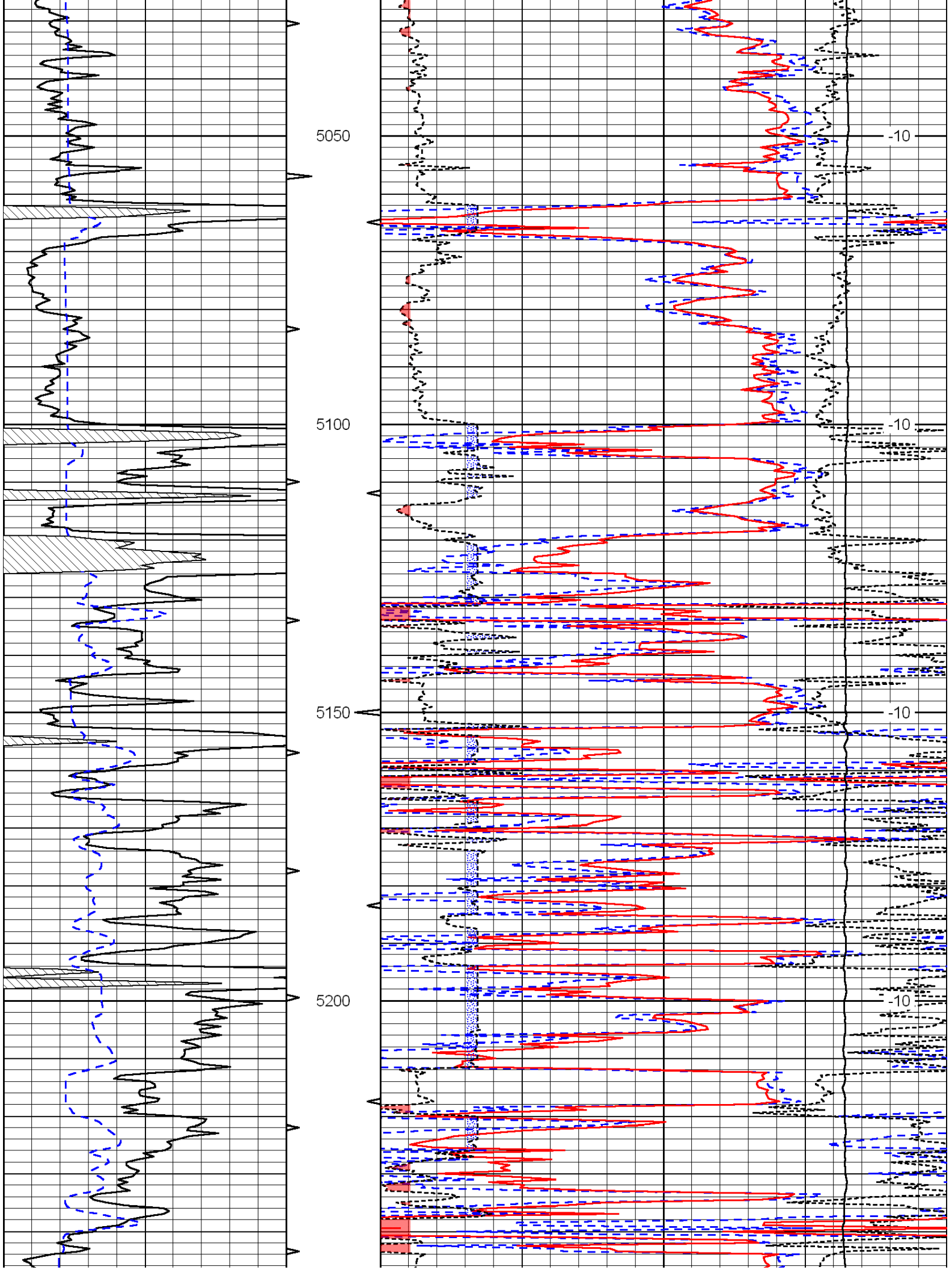
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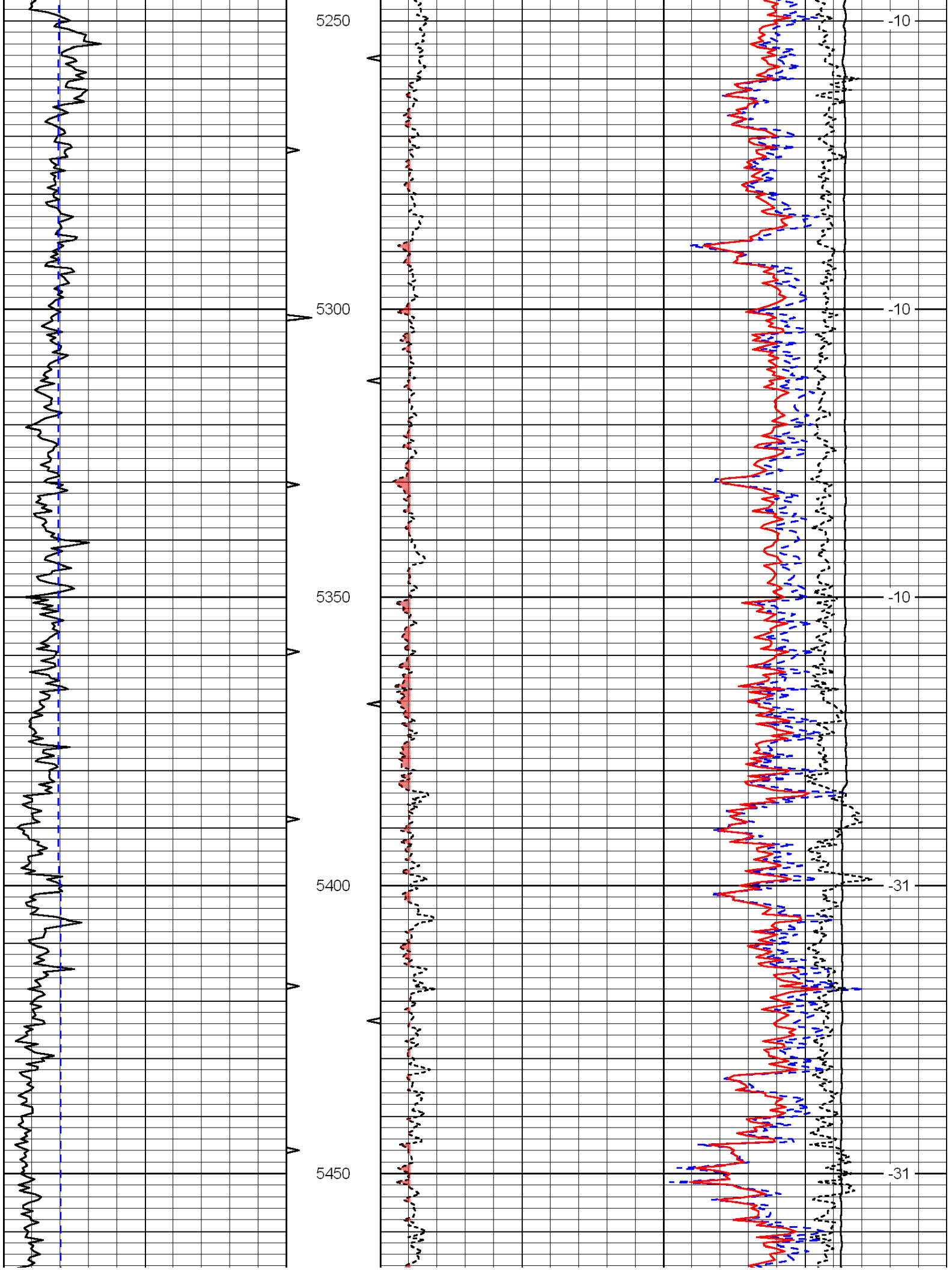
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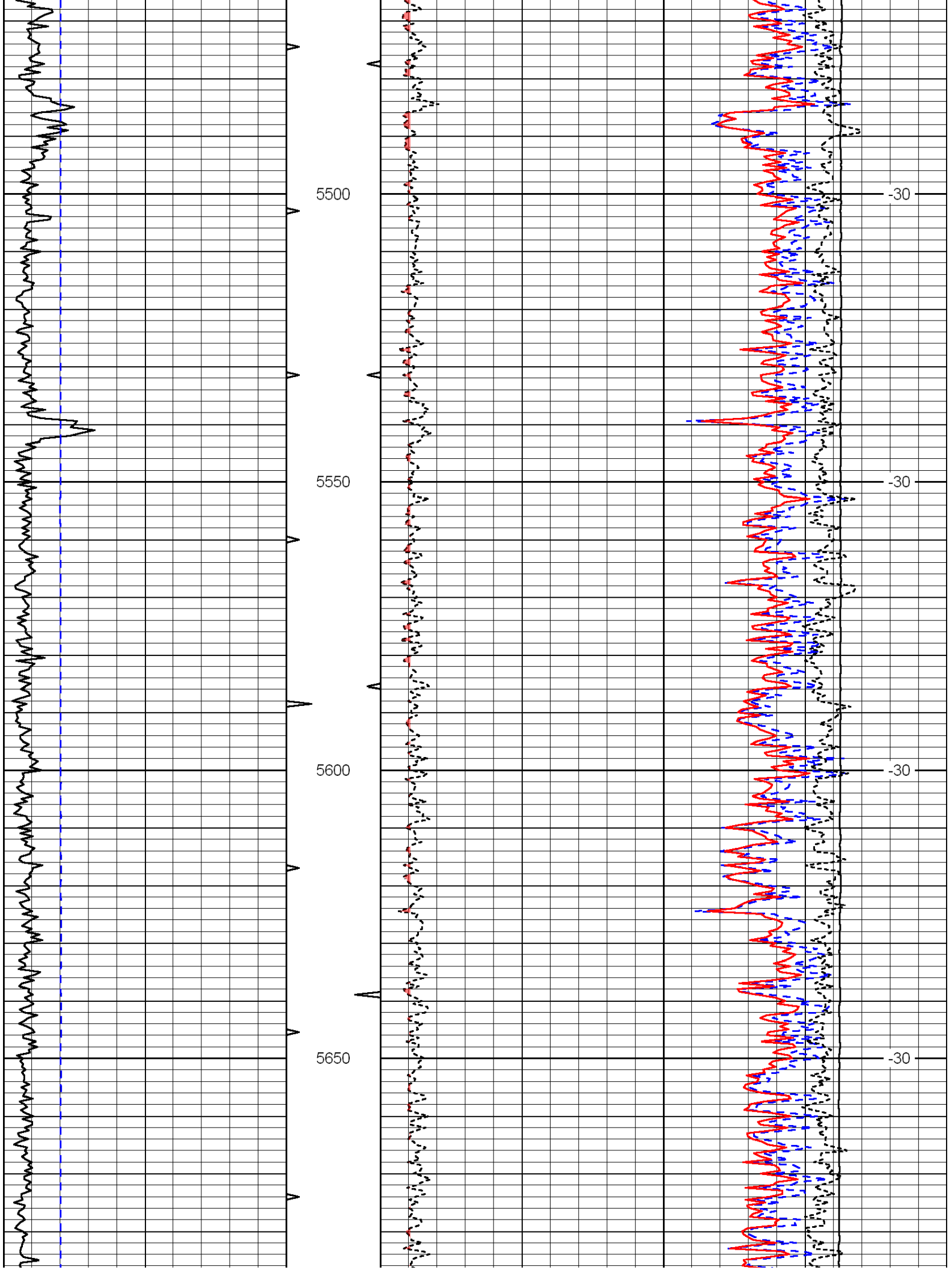
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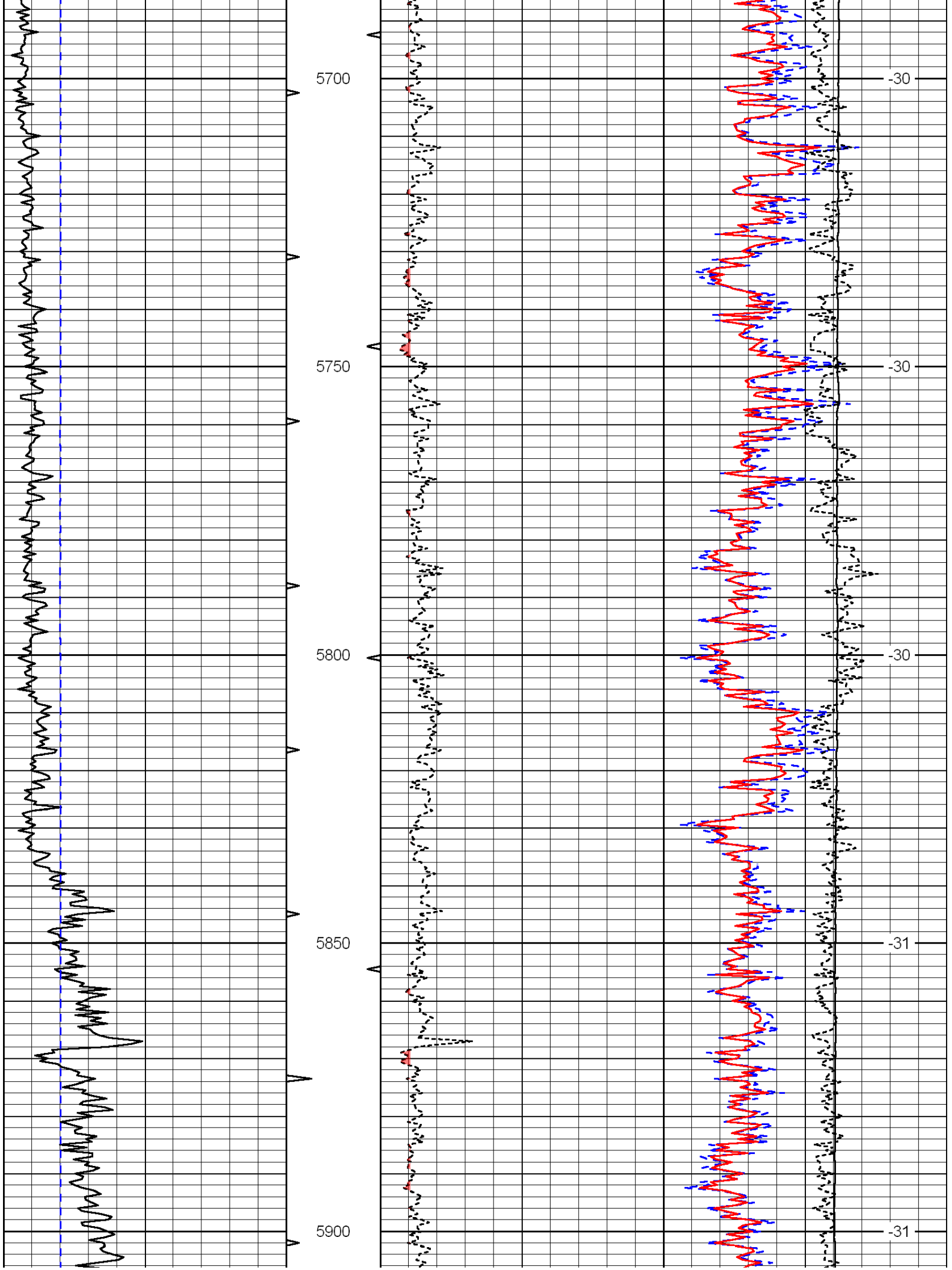
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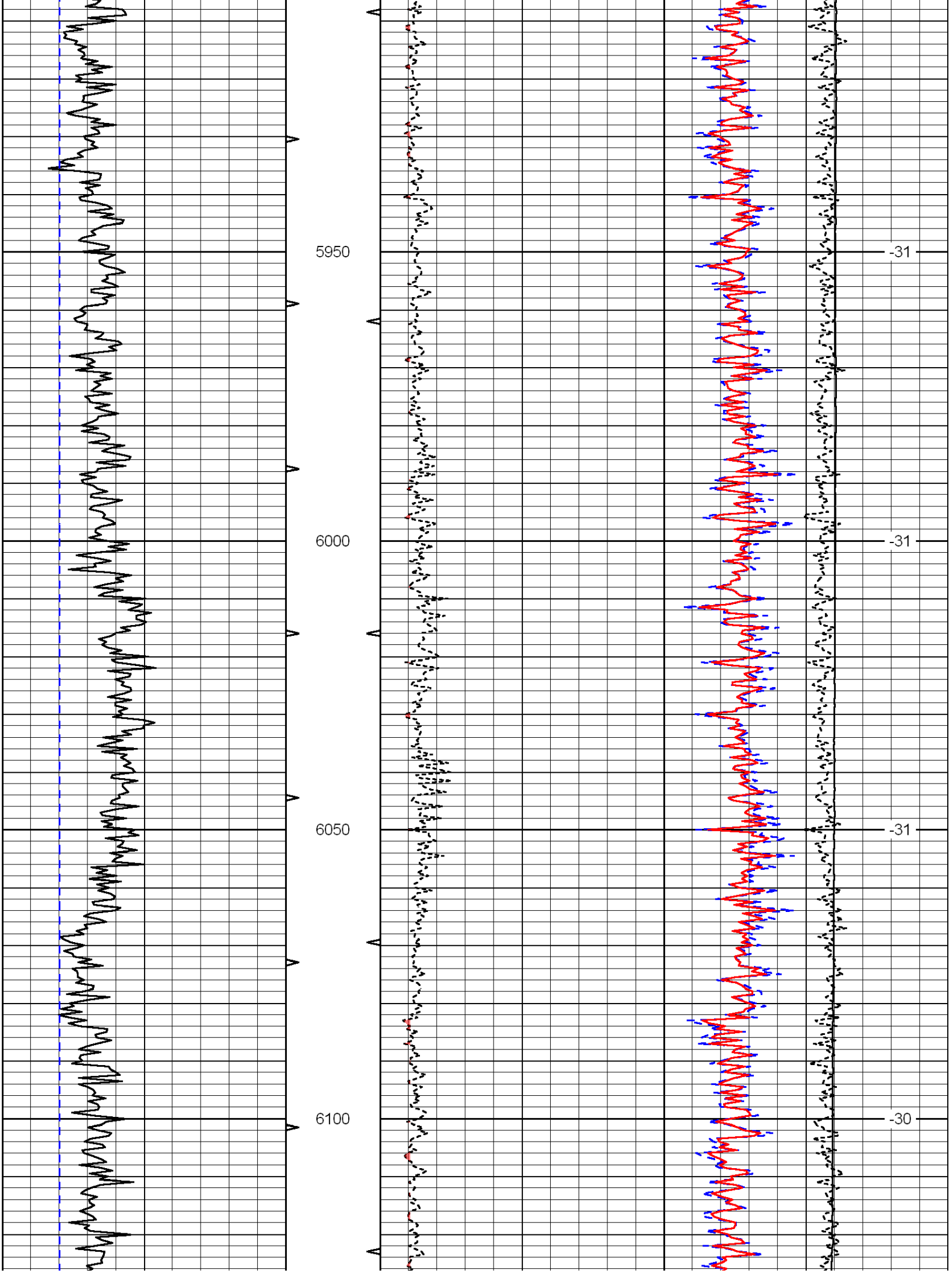
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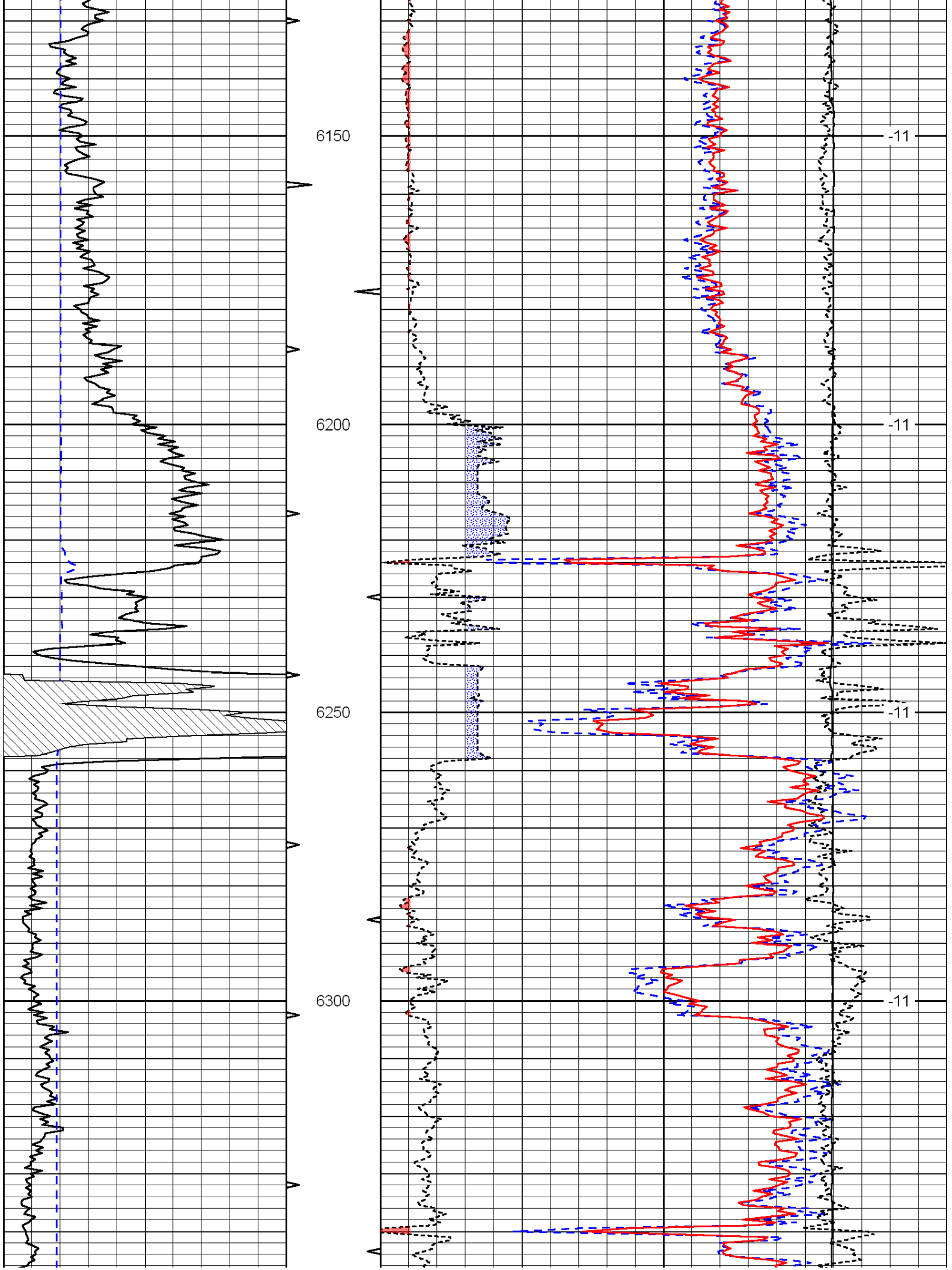
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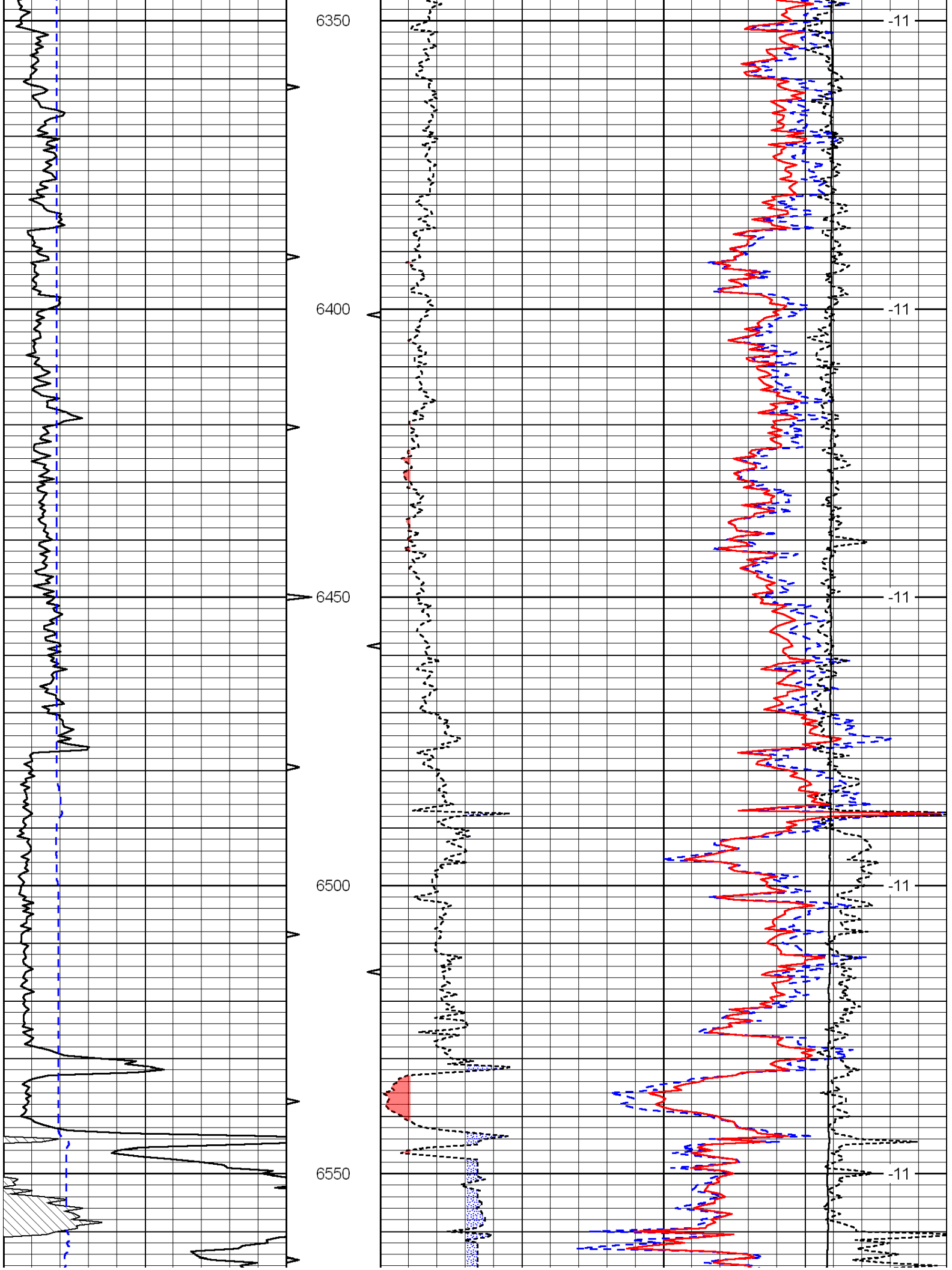
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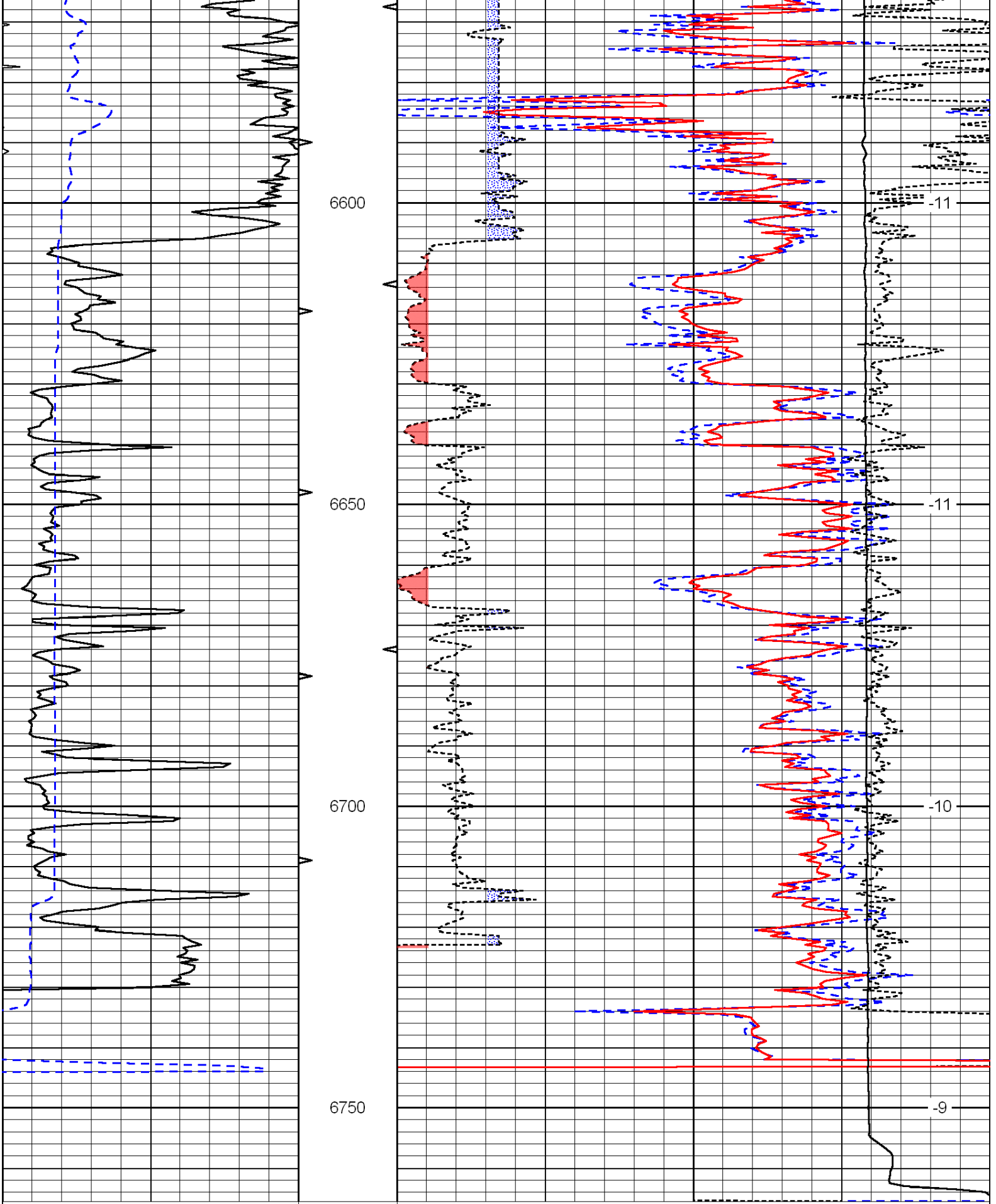


0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density	-10
2	Bulk Density	3
15000	Line Tension	0
2.625	DGA 3.425	-0.25 Correction 0.25

LSPD

LOG-TECH

High Resolution

Database File: c:\warrior\data\fg holl_box ranch unit a no. 1-12\fgholl080811hd.db
Dataset Pathname: dil/fghires
Presentation Format: cndlspml
Dataset Creation: Mon Aug 08 12:15:27 2011
Charted by: Depth in Feet scaled 1:120

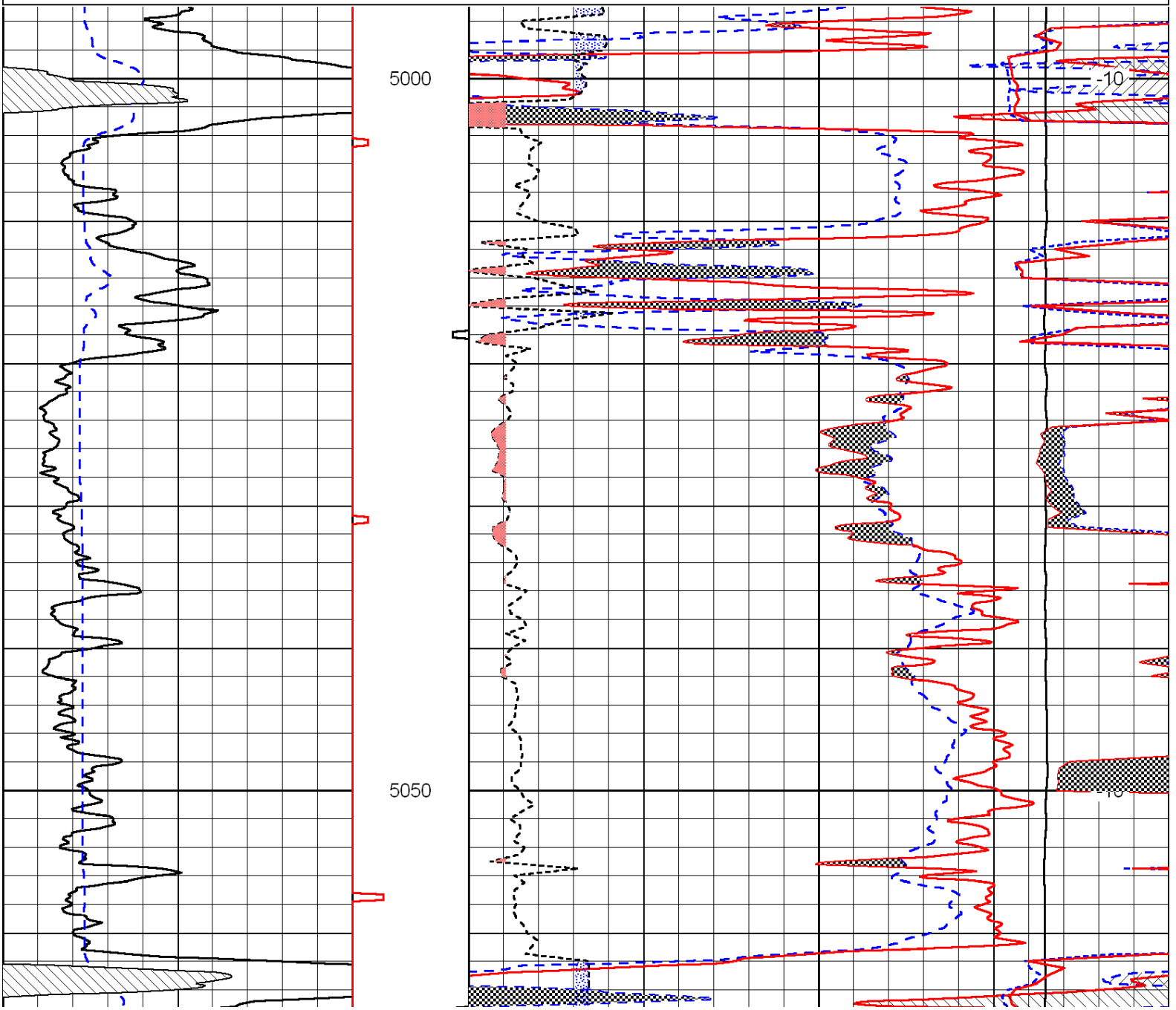
0	Gamma Ray	150
6	Caliper (GAPI)	16

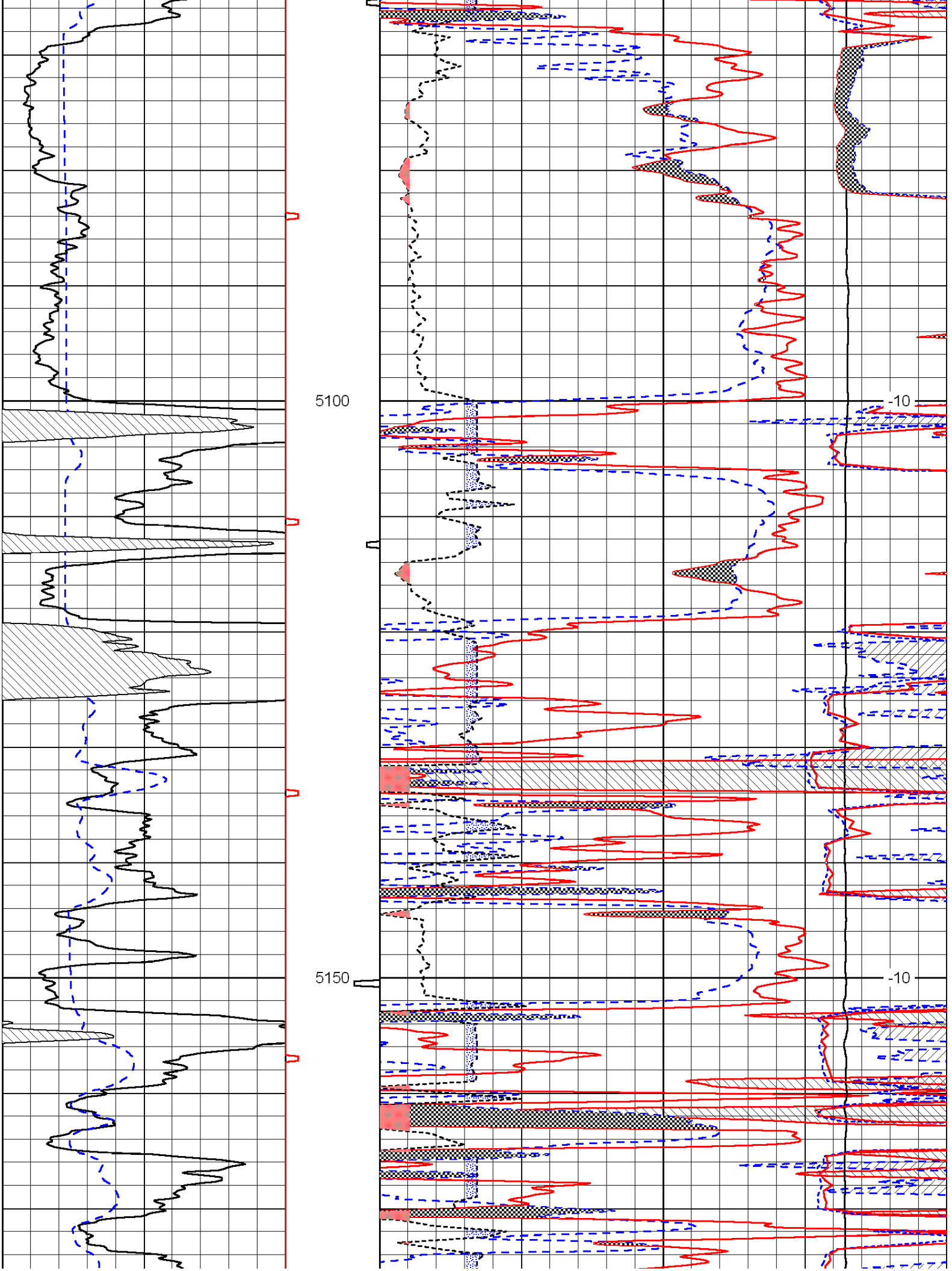
30	Compensated Neutron	-10
30	Compensated Density	-10
2.625	DGA	3.425
15000	Line Tension	0

0 Micro Normal 20

0 Micro Inverse 20

LSPD

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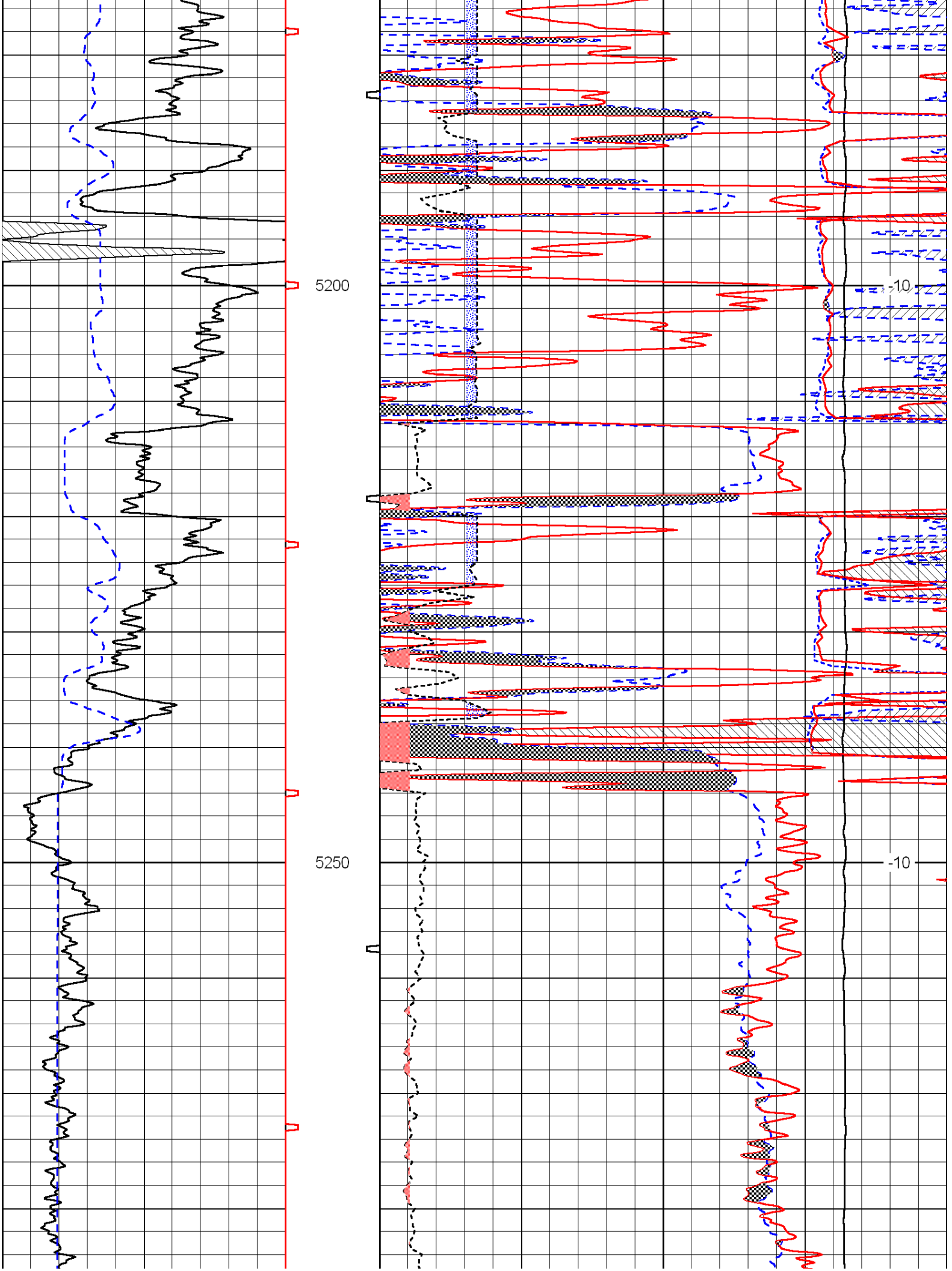
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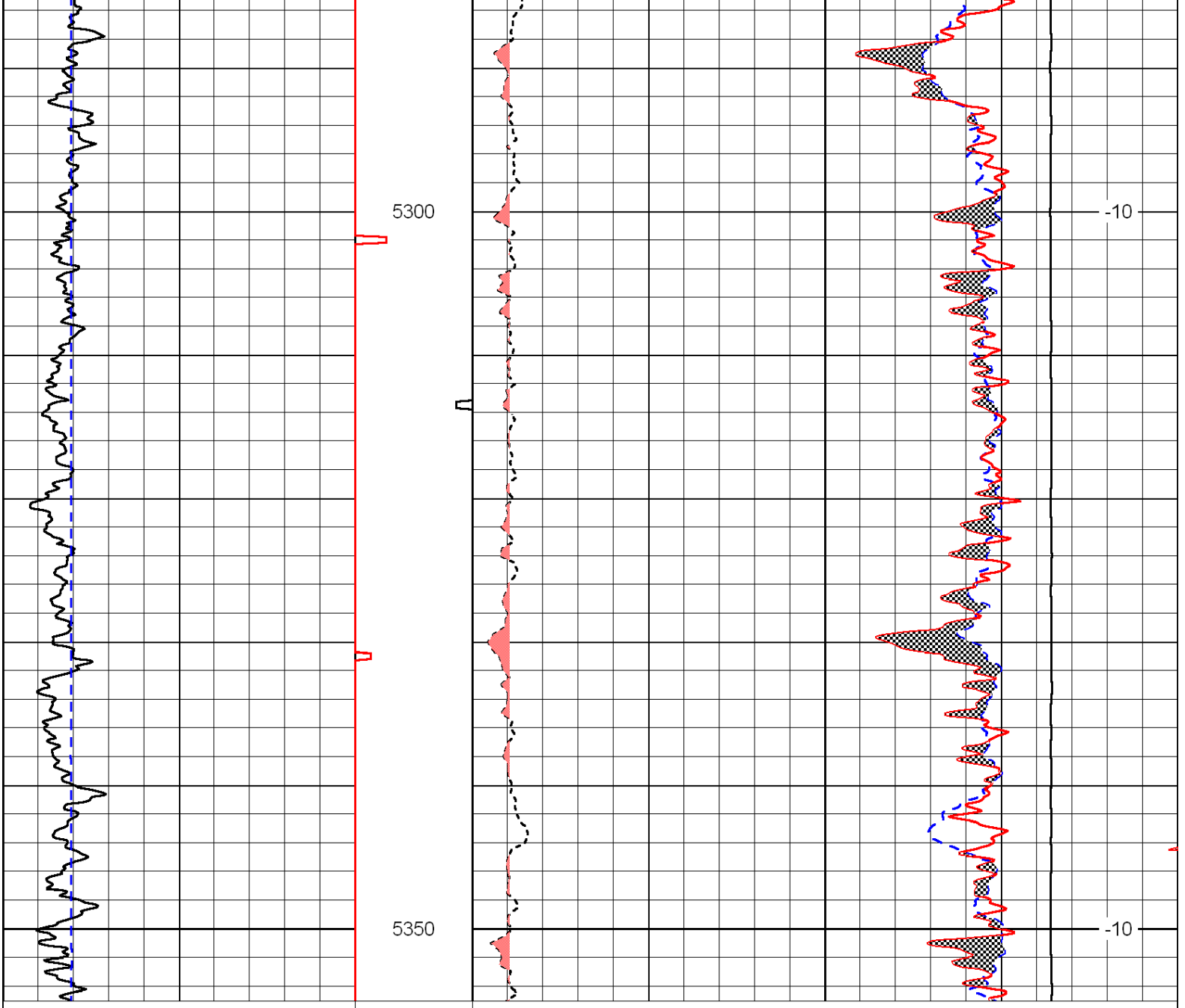


0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron	-10
30	Compensated Density	-10
2.625	DGA	3.425
0	Micro Normal	20
15000	Line Tension	0
0	Micro Inverse	20
	LSPD	

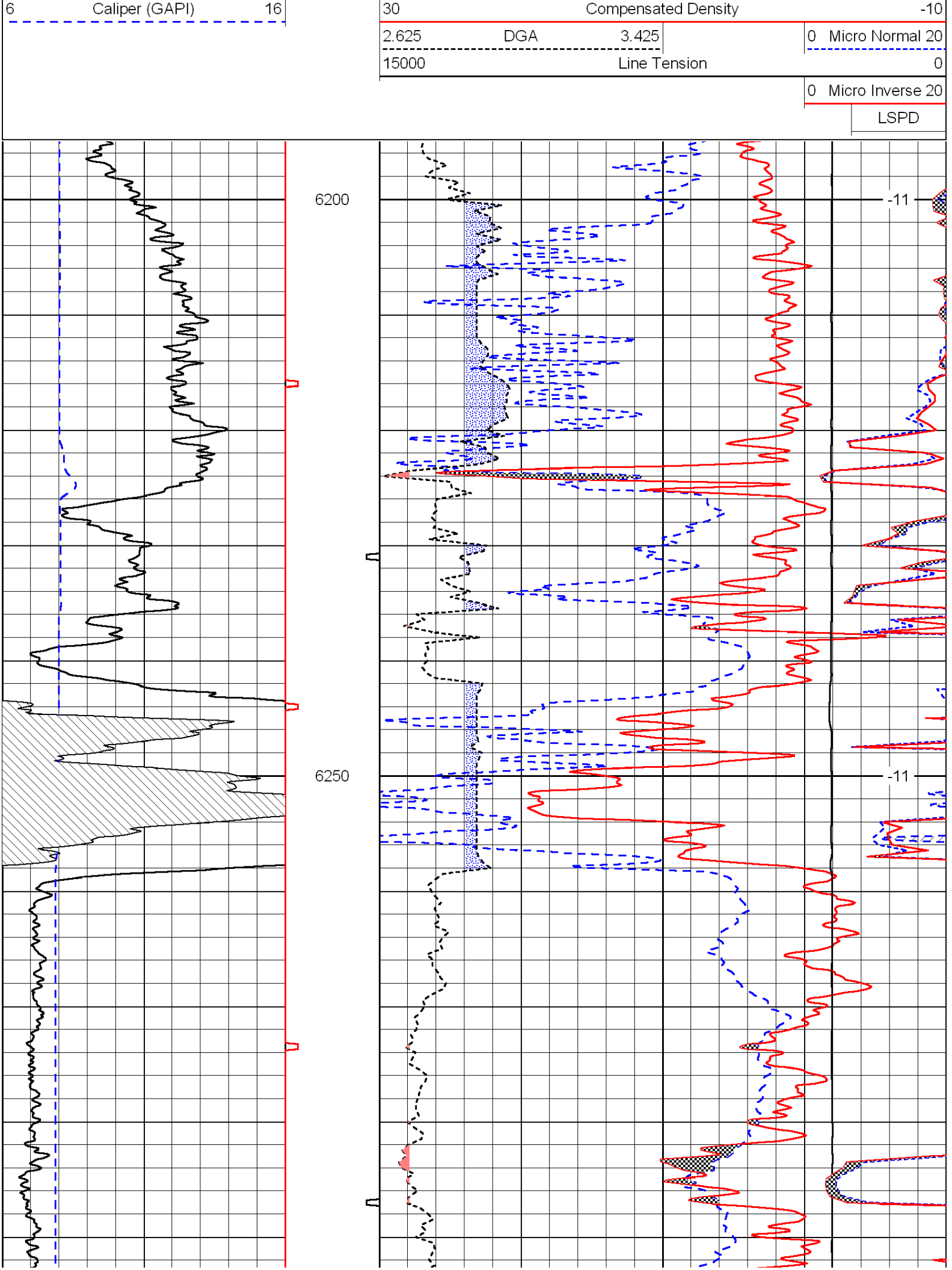
LOG-TECH

High Resolution

Database File: c:\warrior\data\fg holl_box ranch unit a no. 1-12\fgholl080811hd.db
Dataset Pathname: dil/fghires
Presentation Format: cndlspml
Dataset Creation: Mon Aug 08 12:15:27 2011
Charted by: Depth in Feet scaled 1:120

0	Gamma Ray	150

30	Compensated Neutron	-10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2.625 DGA 3.425
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15000 Line Tension 0
0 Micro Inverse 20
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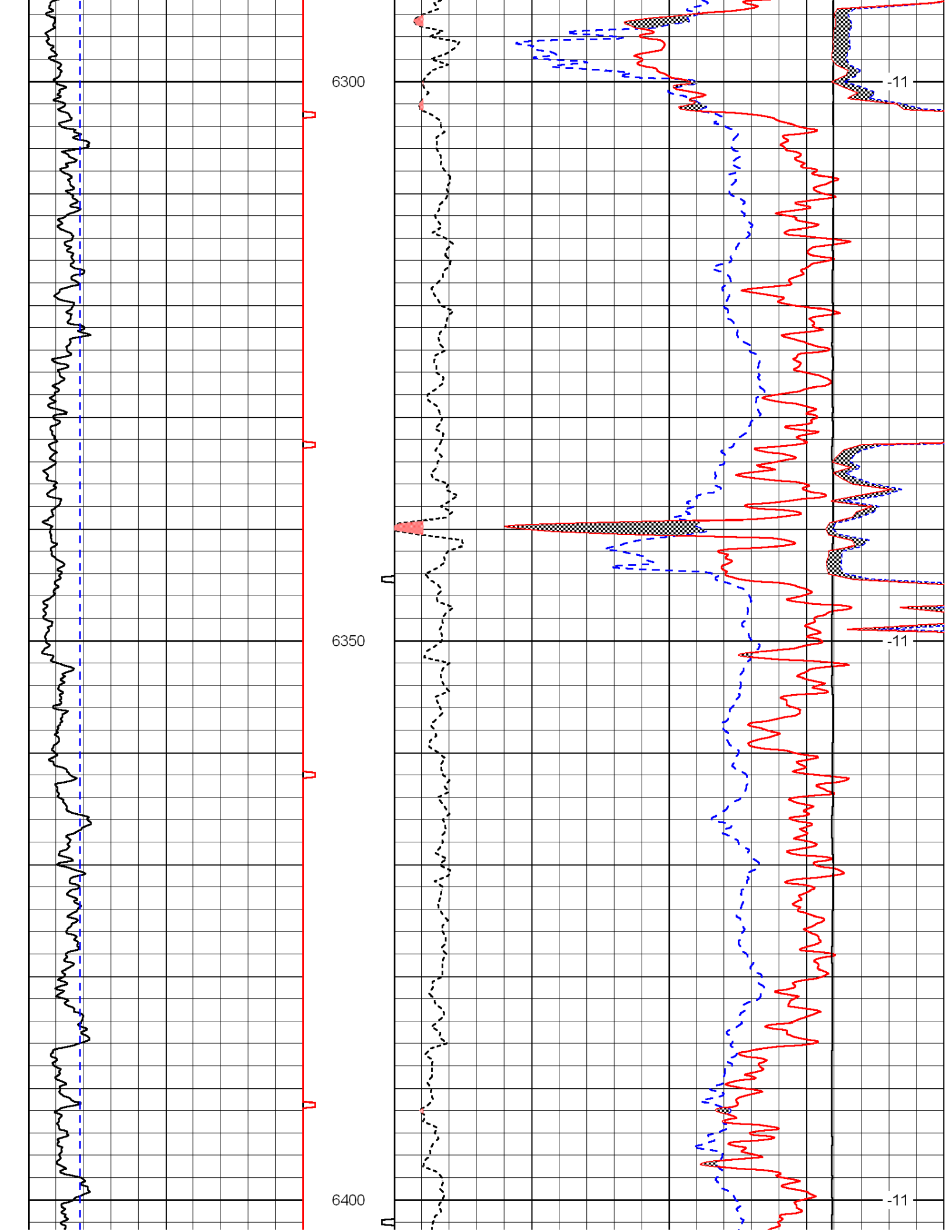
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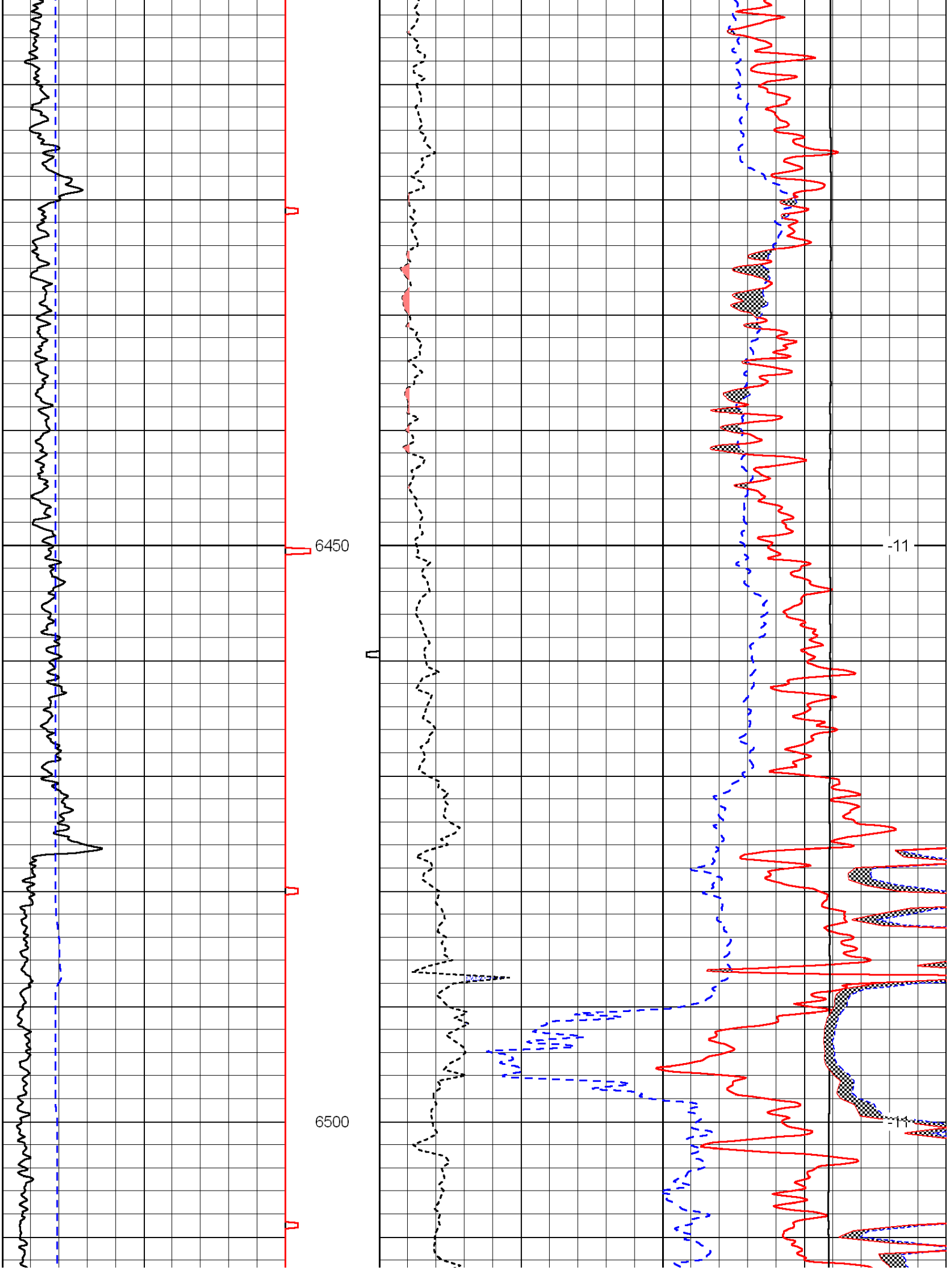
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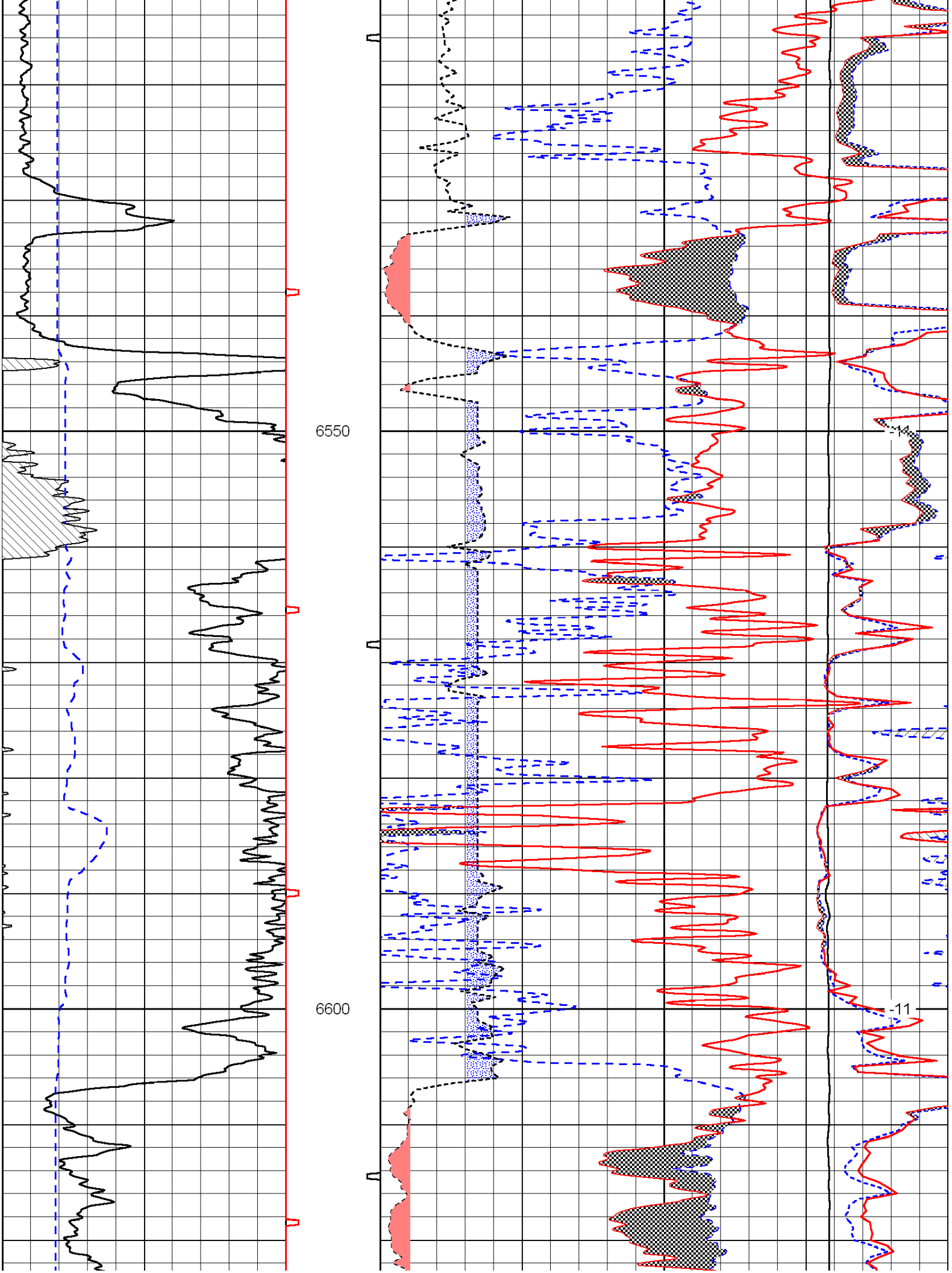
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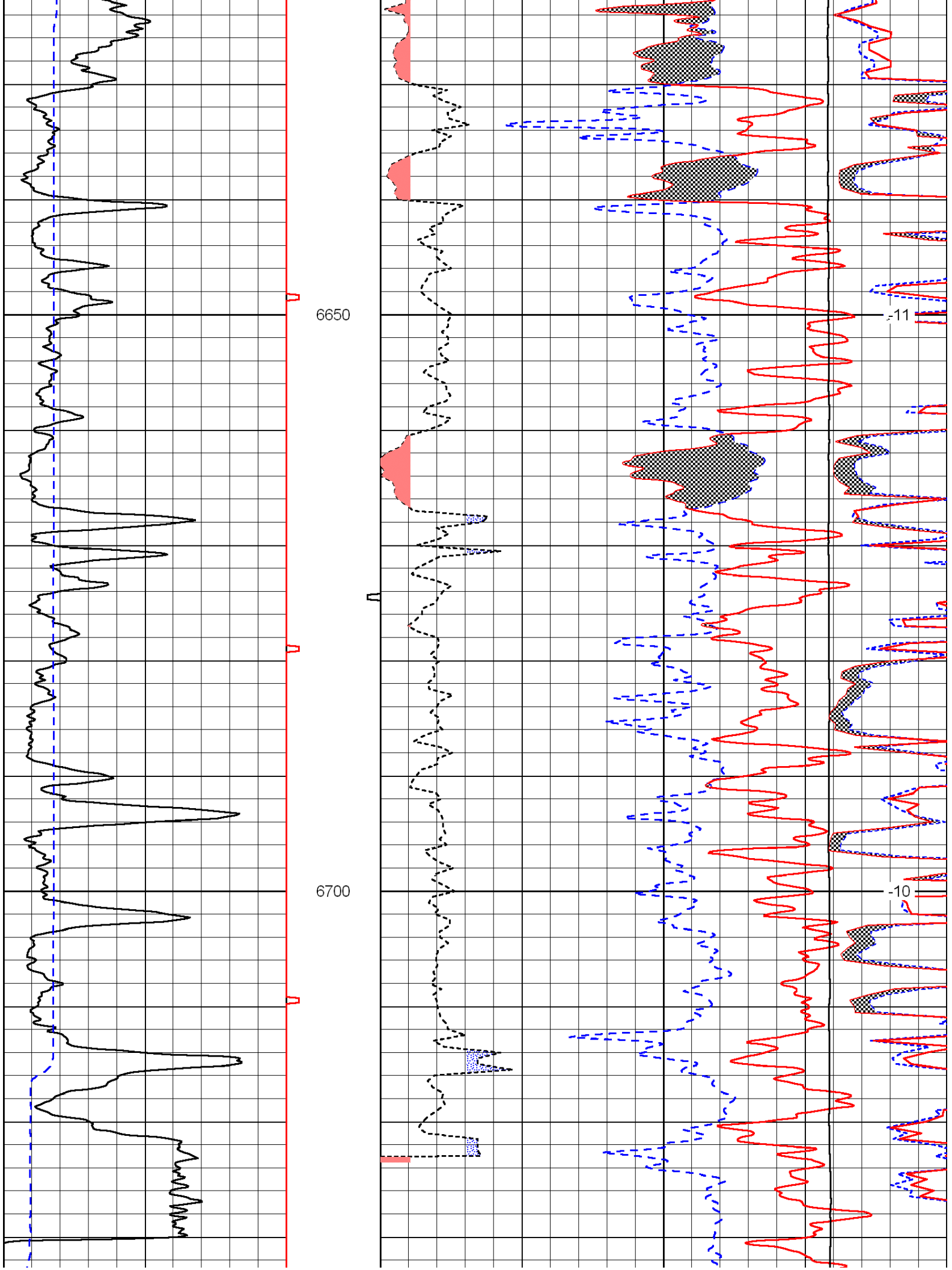
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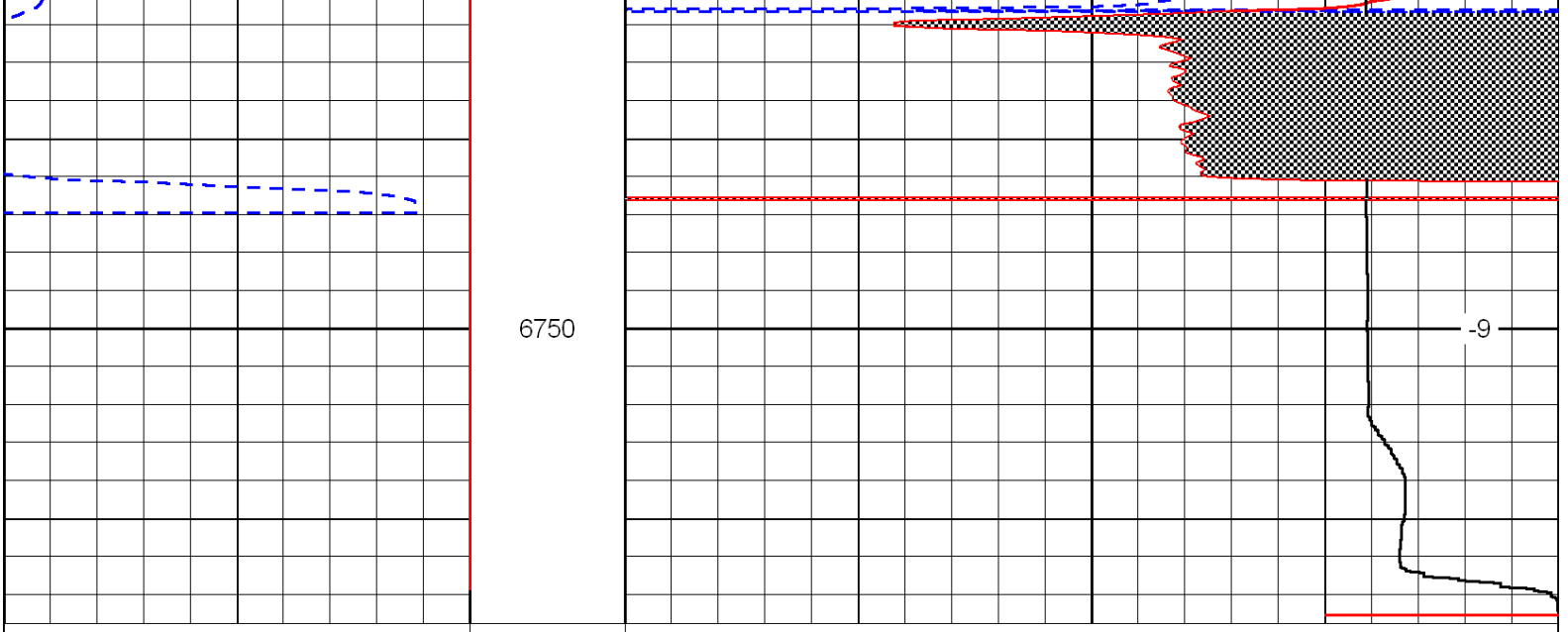


0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron	-10
30	Compensated Density	-10
2.625	DGA	3.425
15000	Line Tension	

0 Micro Normal 20

0

0 Micro Inverse 20

LSPD

Database File:	c:\warrior\data\fg holl_box ranch unit a no. 1-12\fgholl080811hd.db
Dataset Pathname:	dil/fgstack
Presentation Format:	cndlspml
Dataset Creation:	Mon Aug 08 12:49:02 2011
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

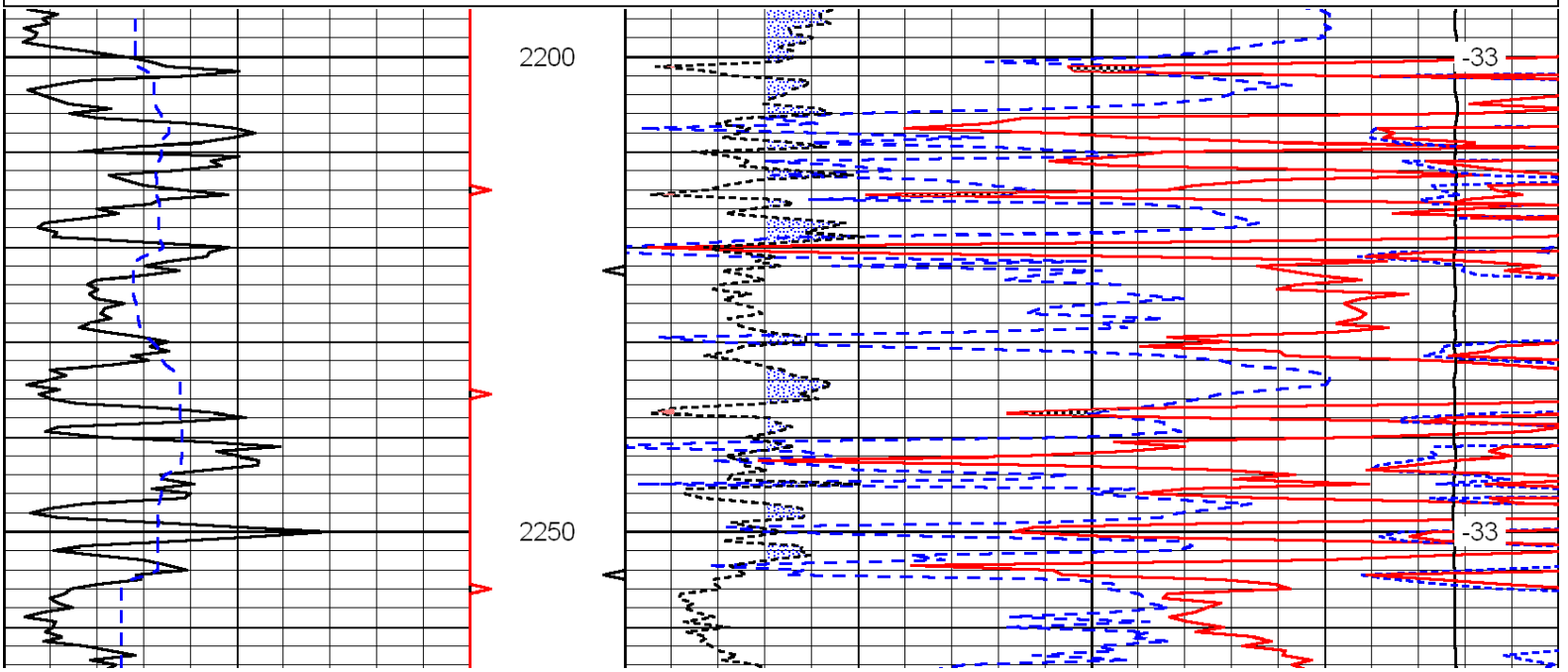
30	Compensated Neutron	-10
30	Compensated Density	-10
2.625	DGA	3.425
15000	Line Tension	

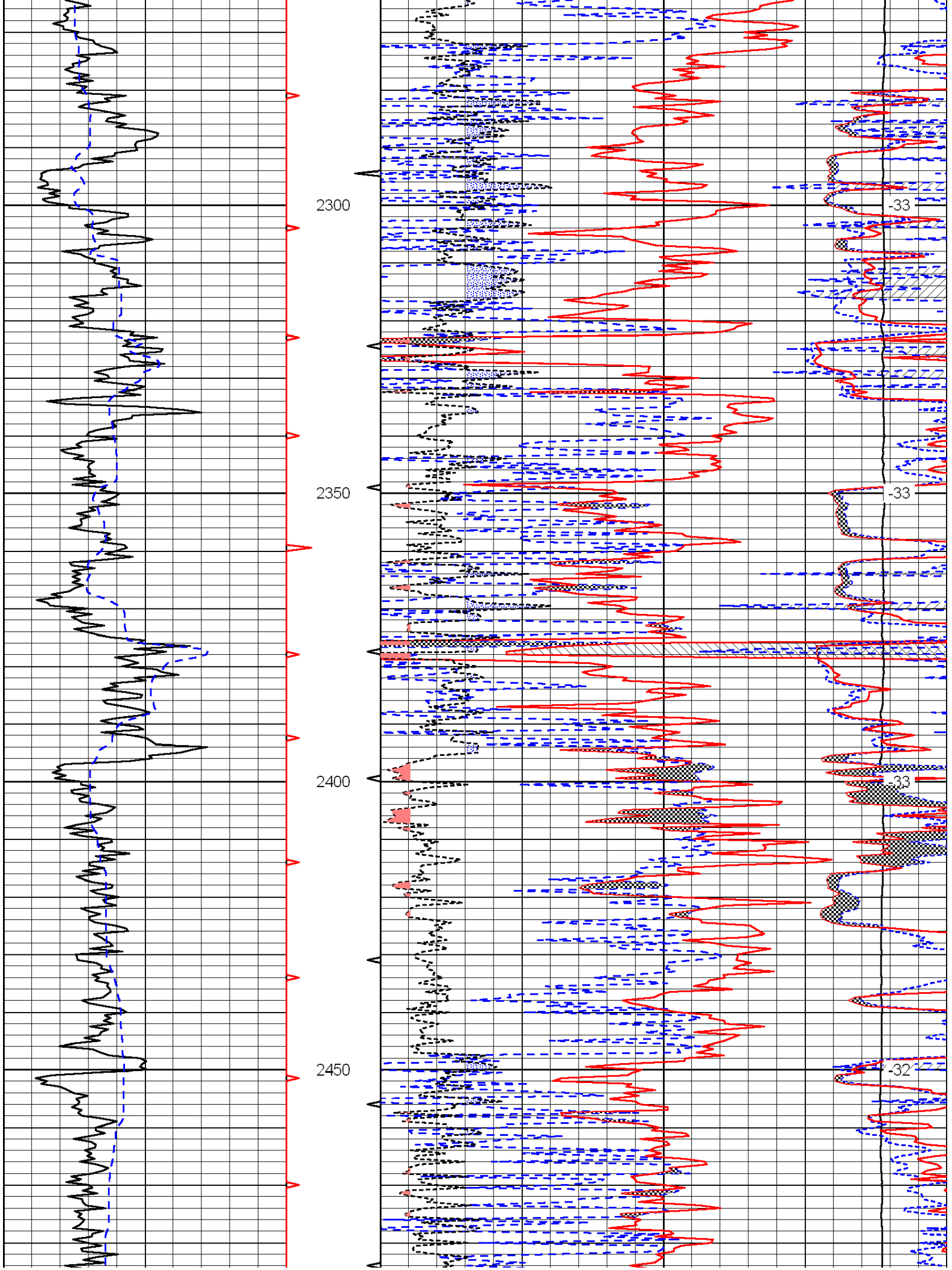
0 Micro Normal 20

0

0 Micro Inverse 20

LSPD

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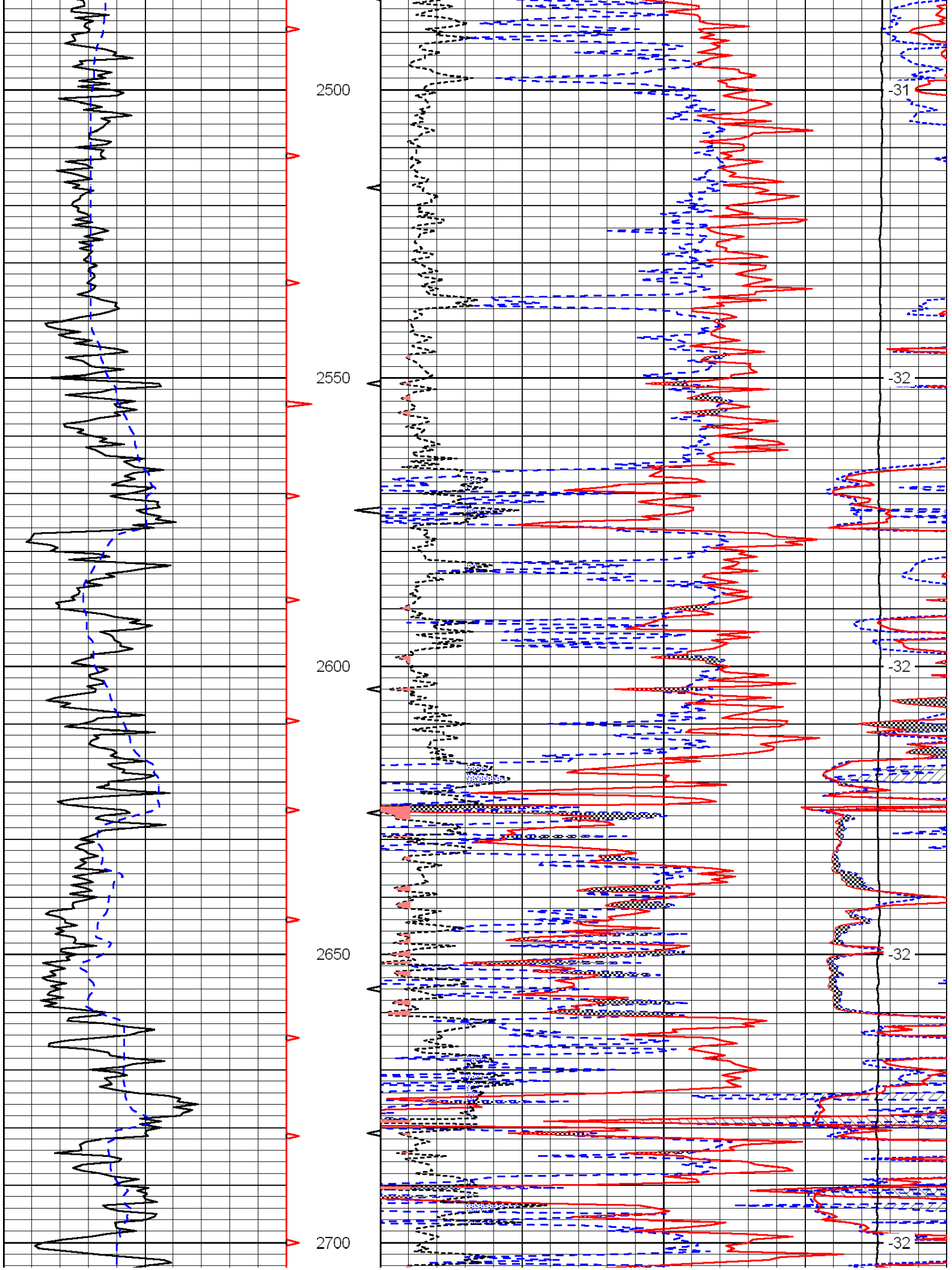
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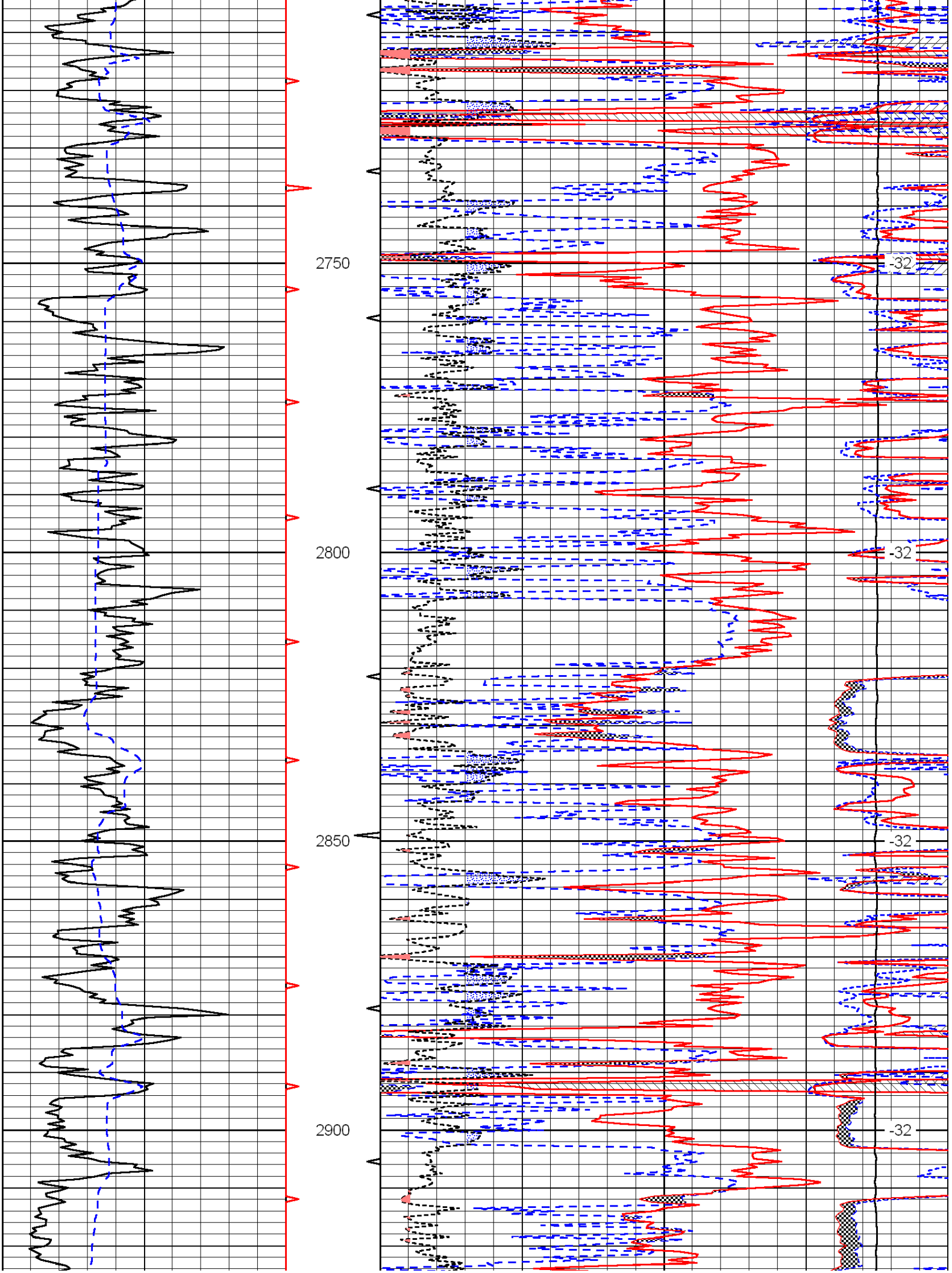
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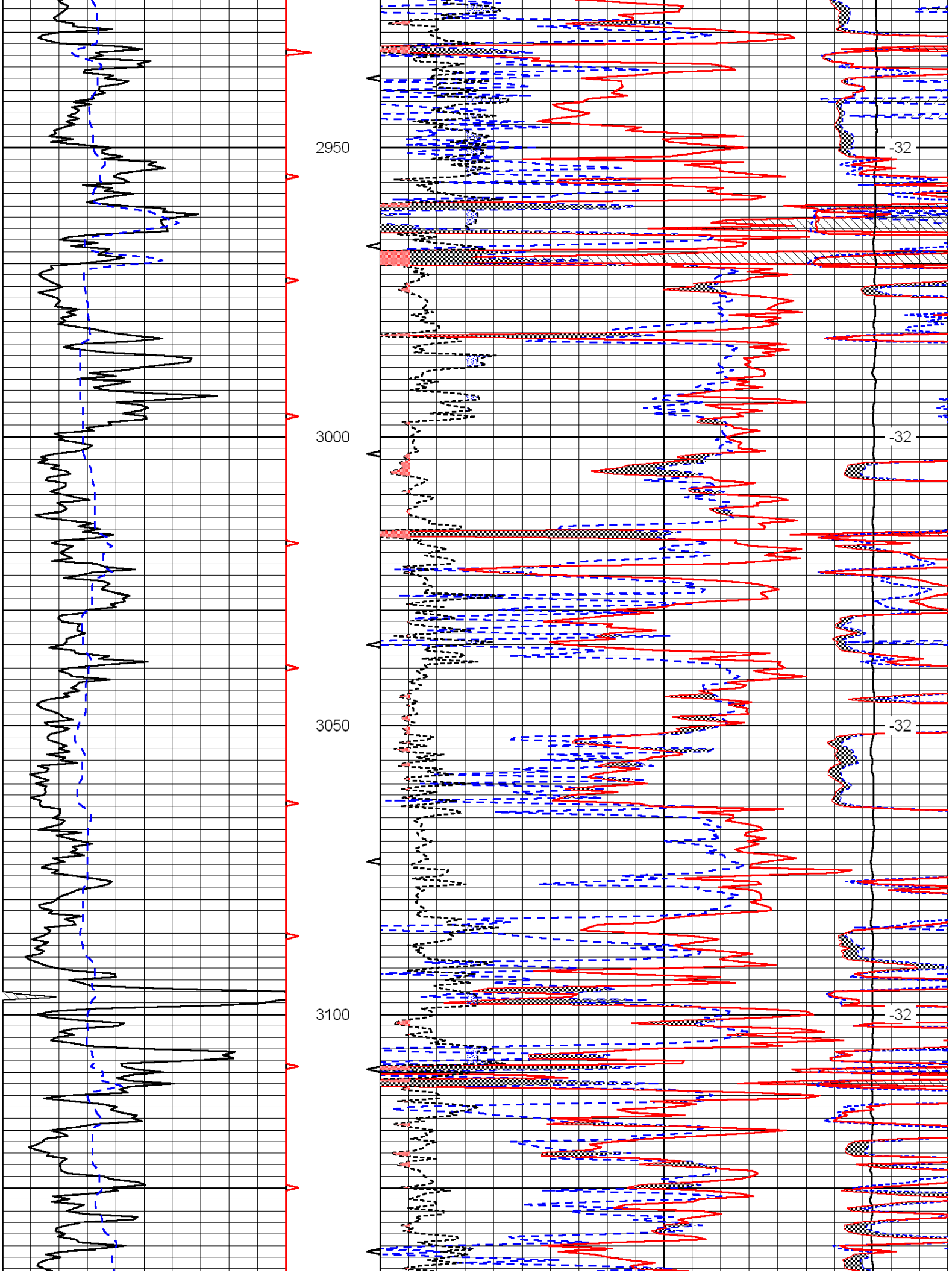
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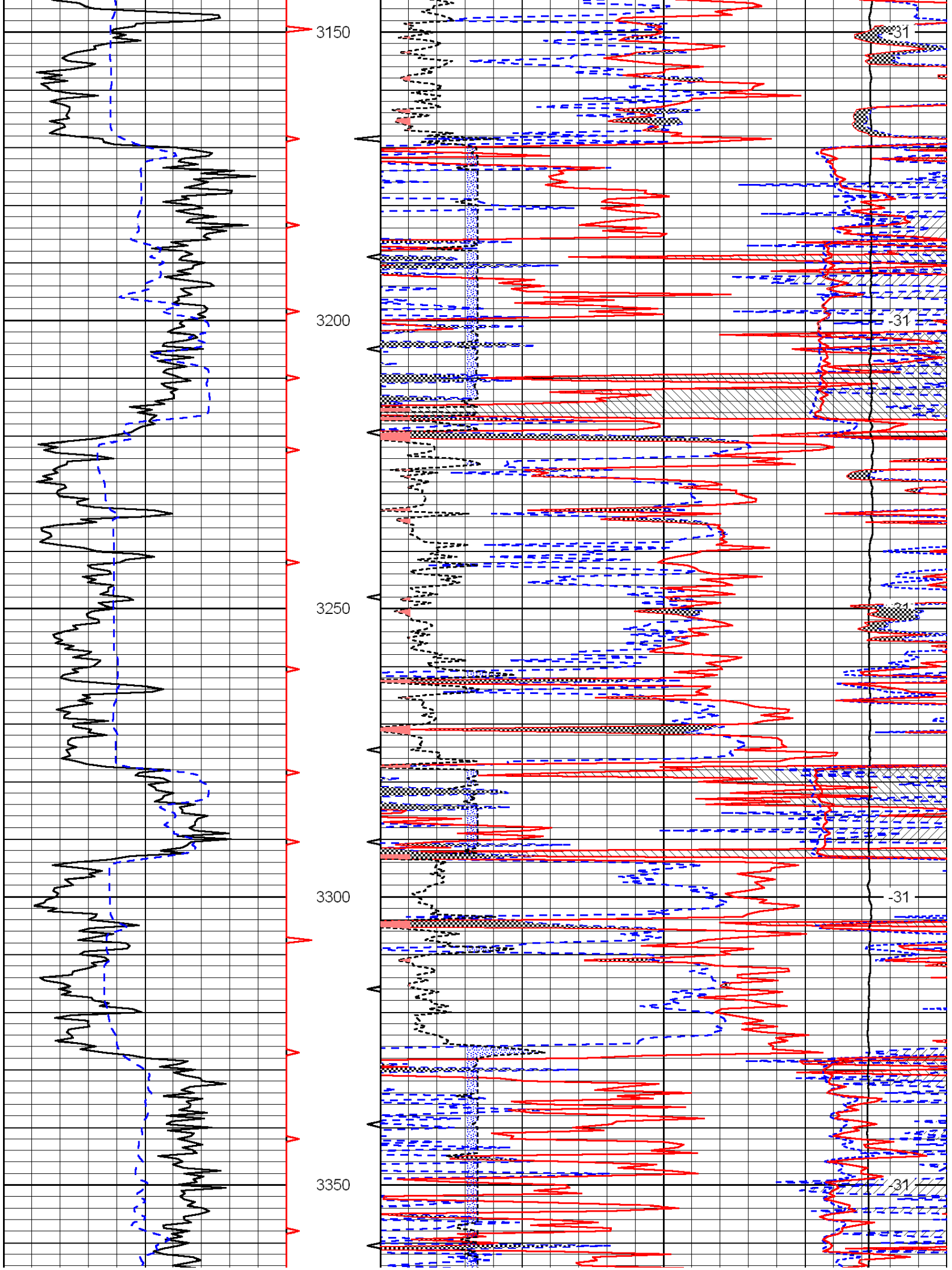
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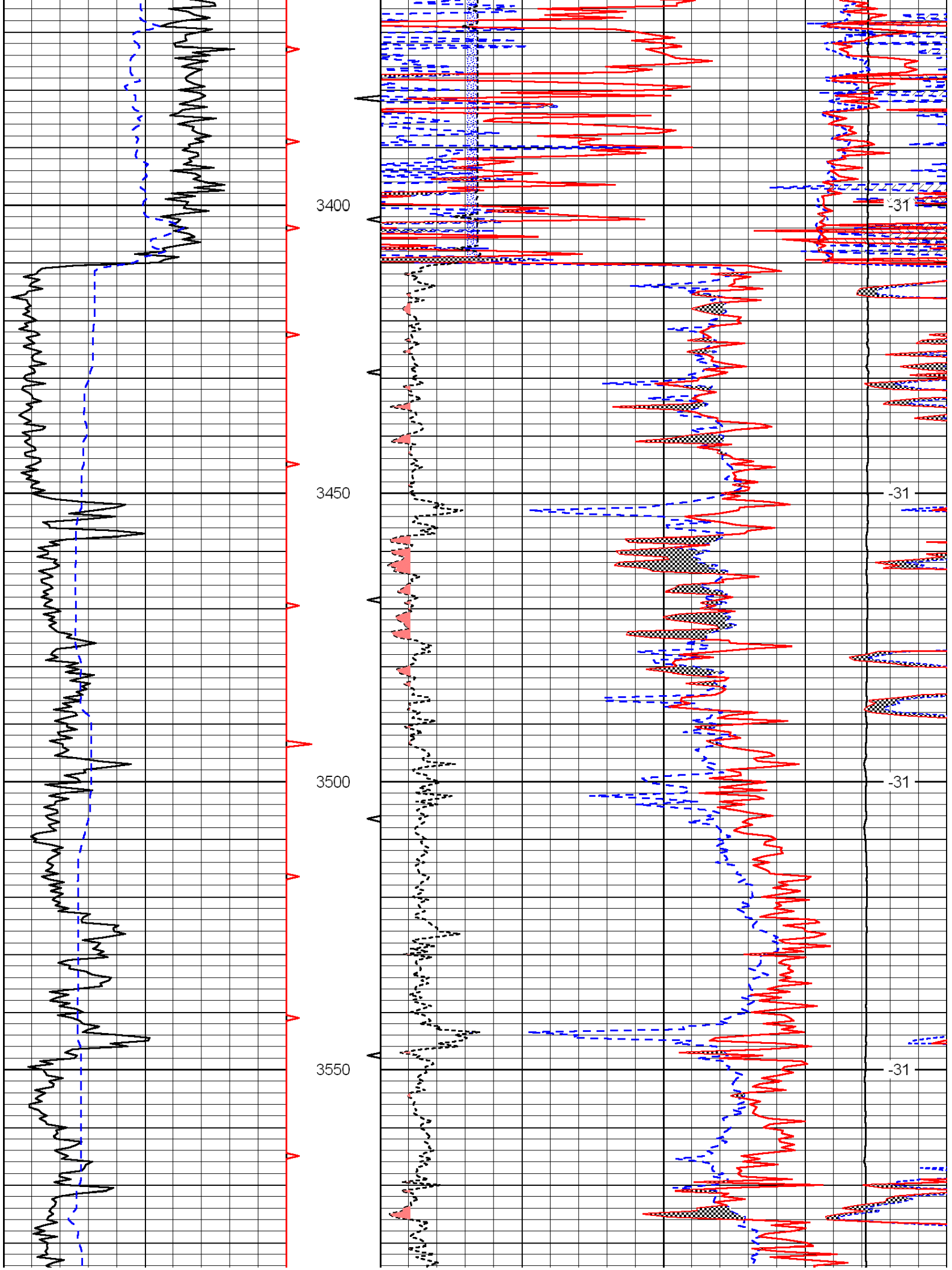
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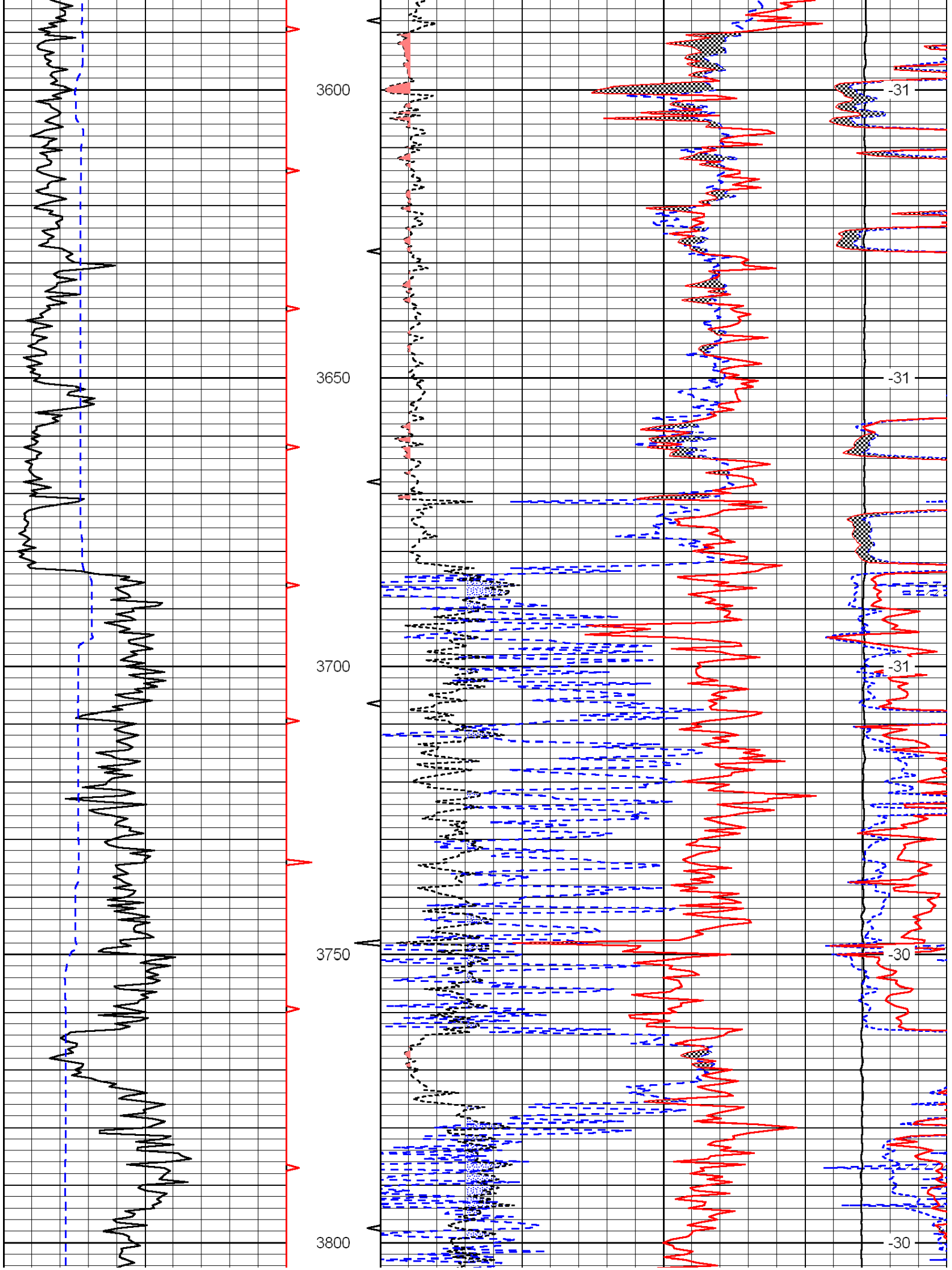
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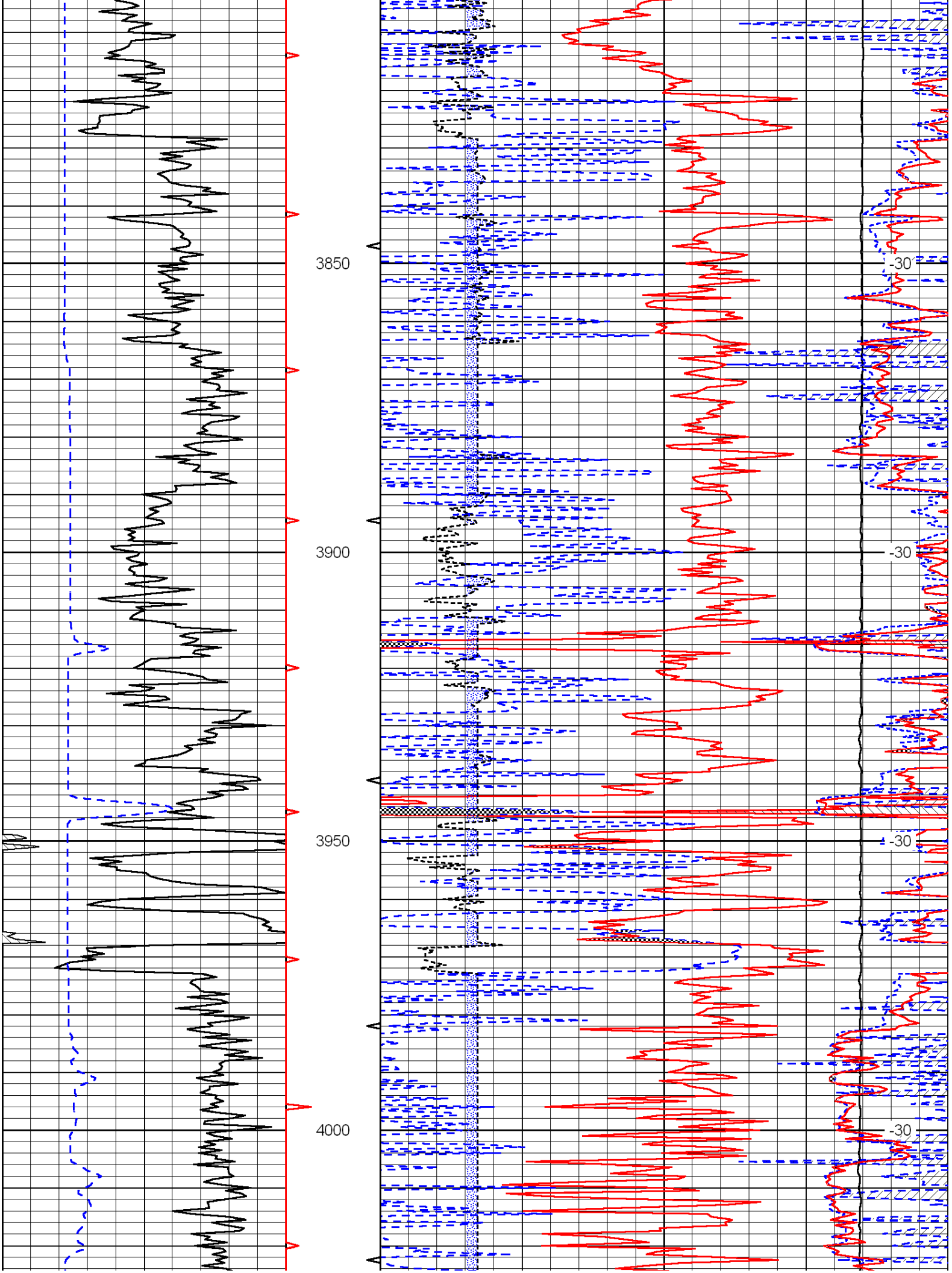
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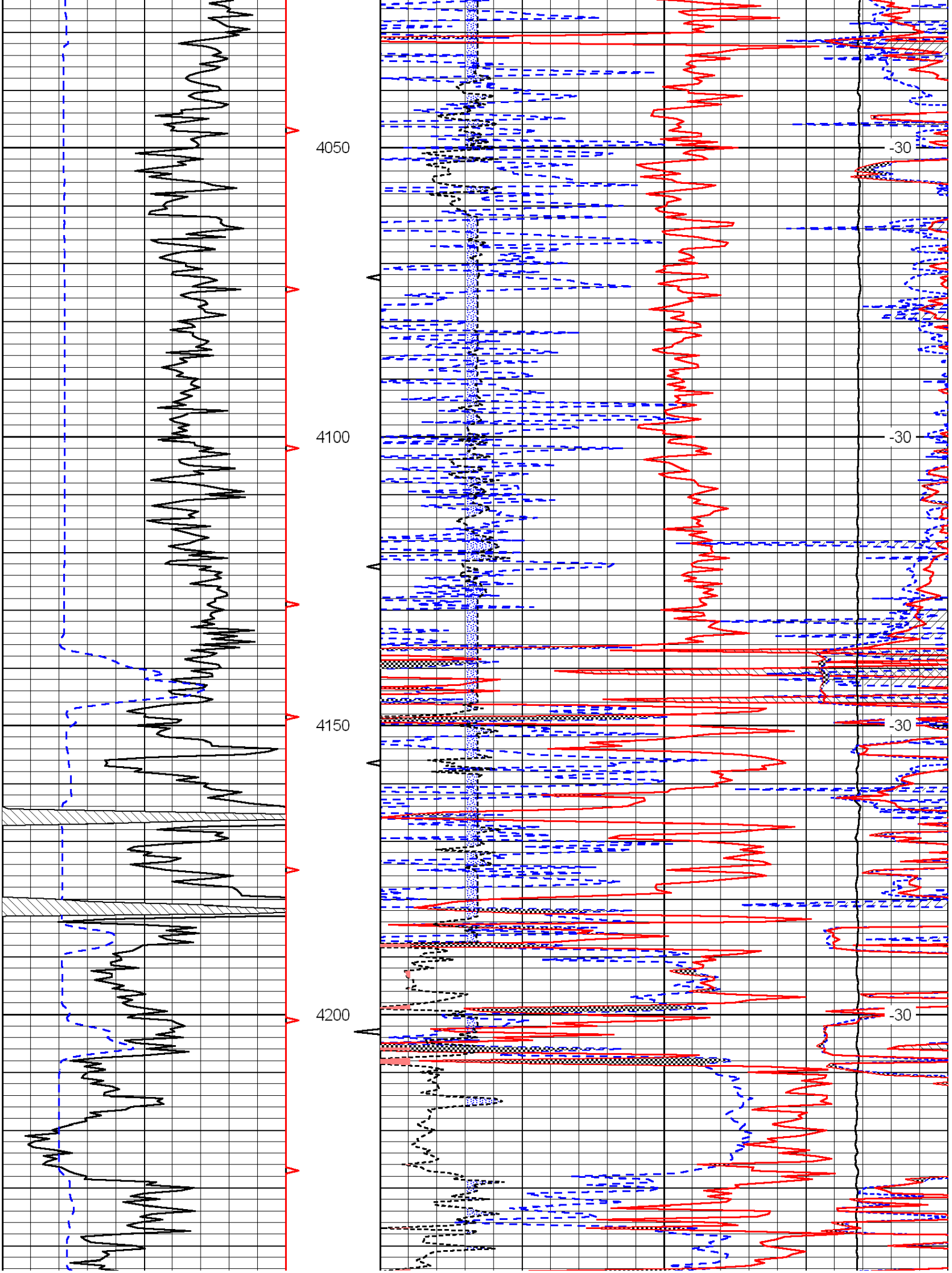
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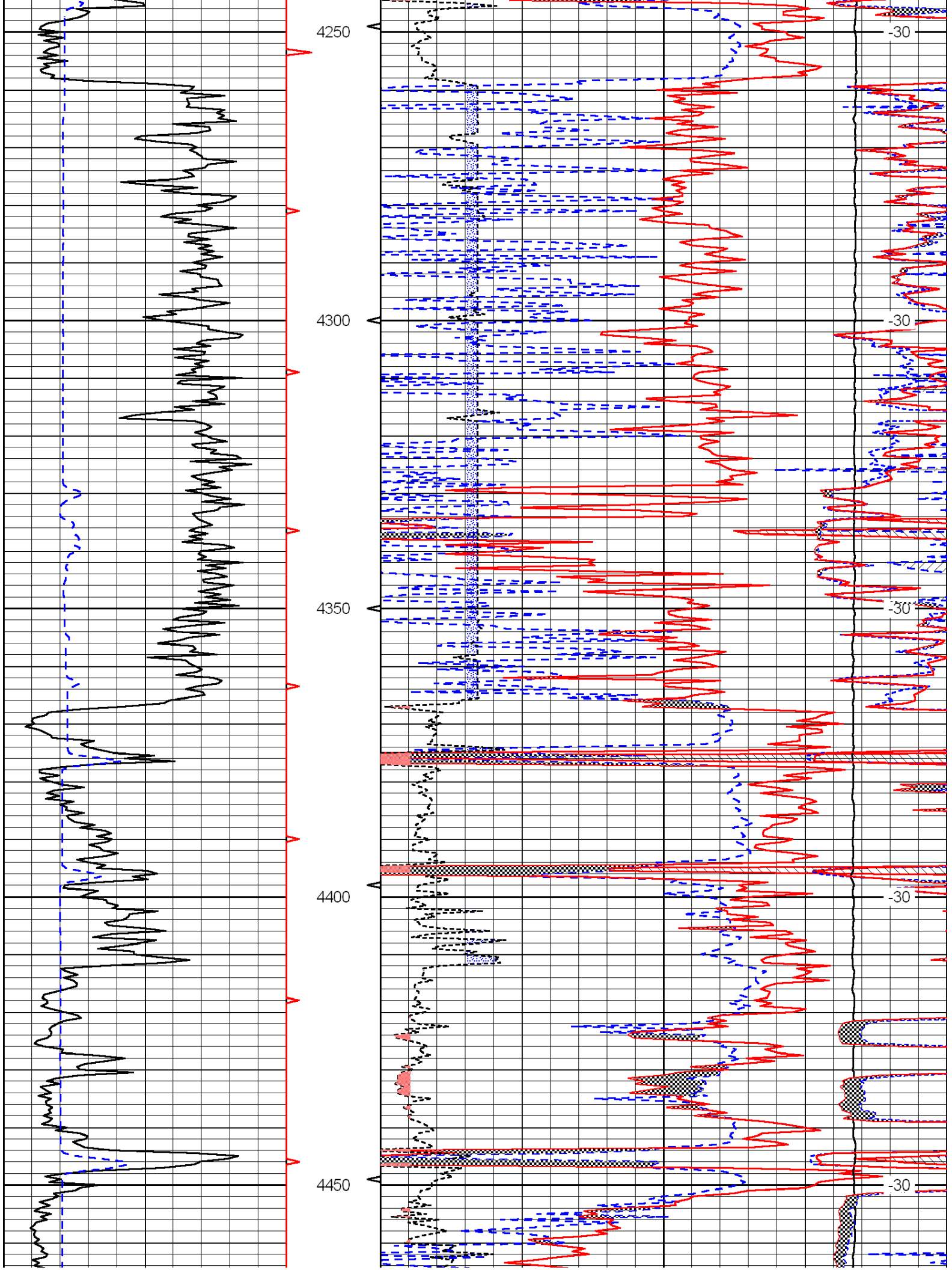
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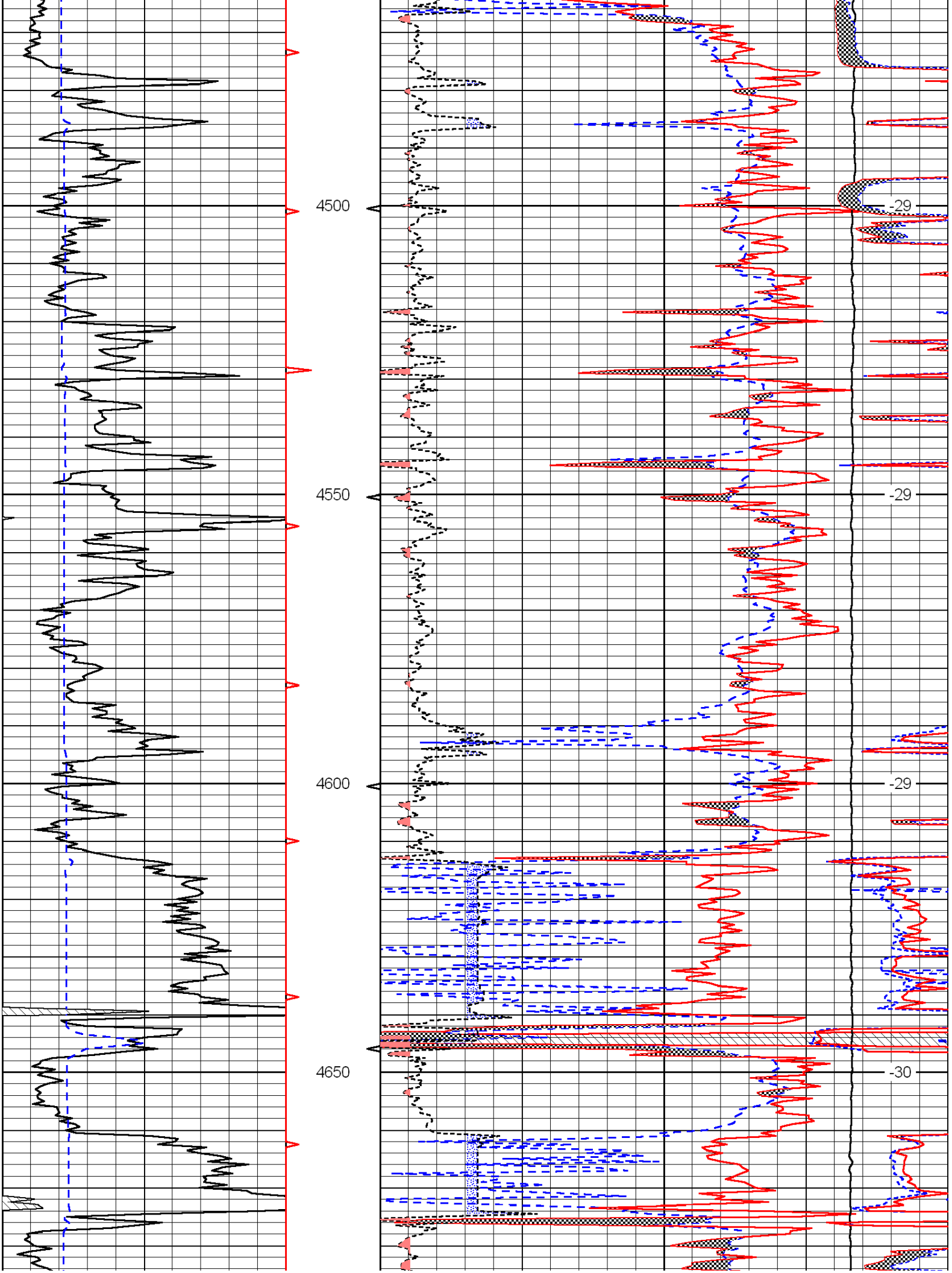
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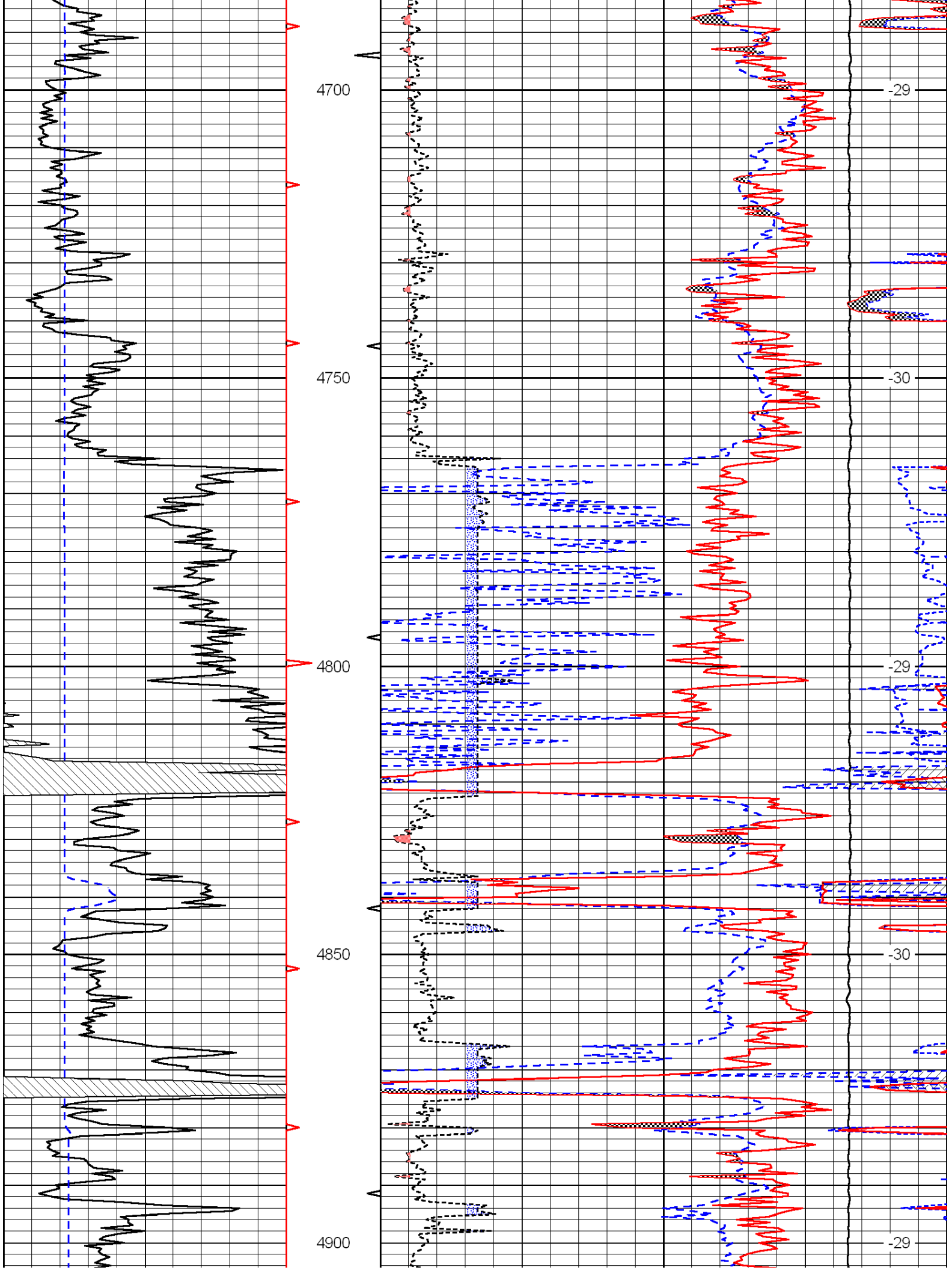
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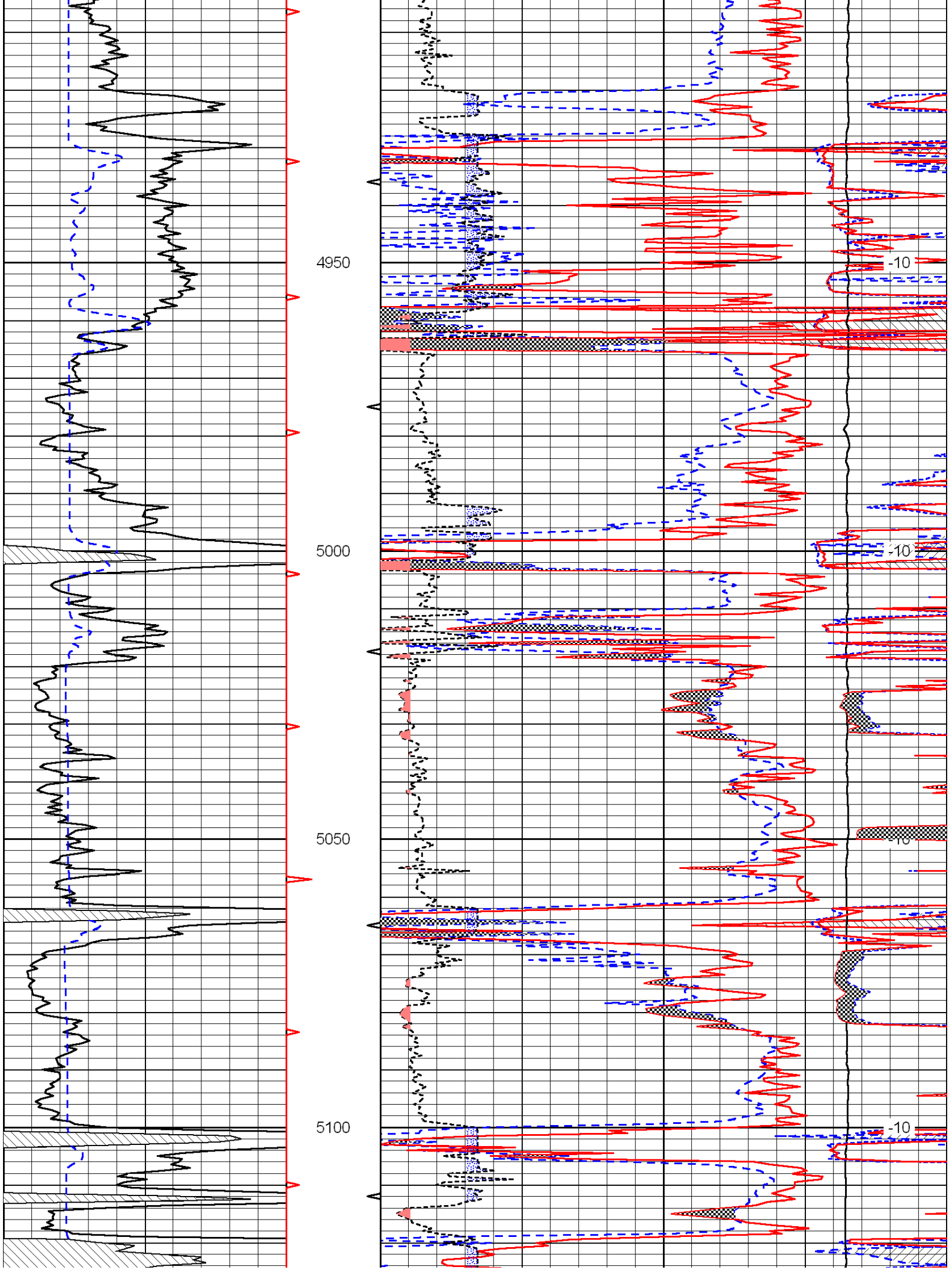
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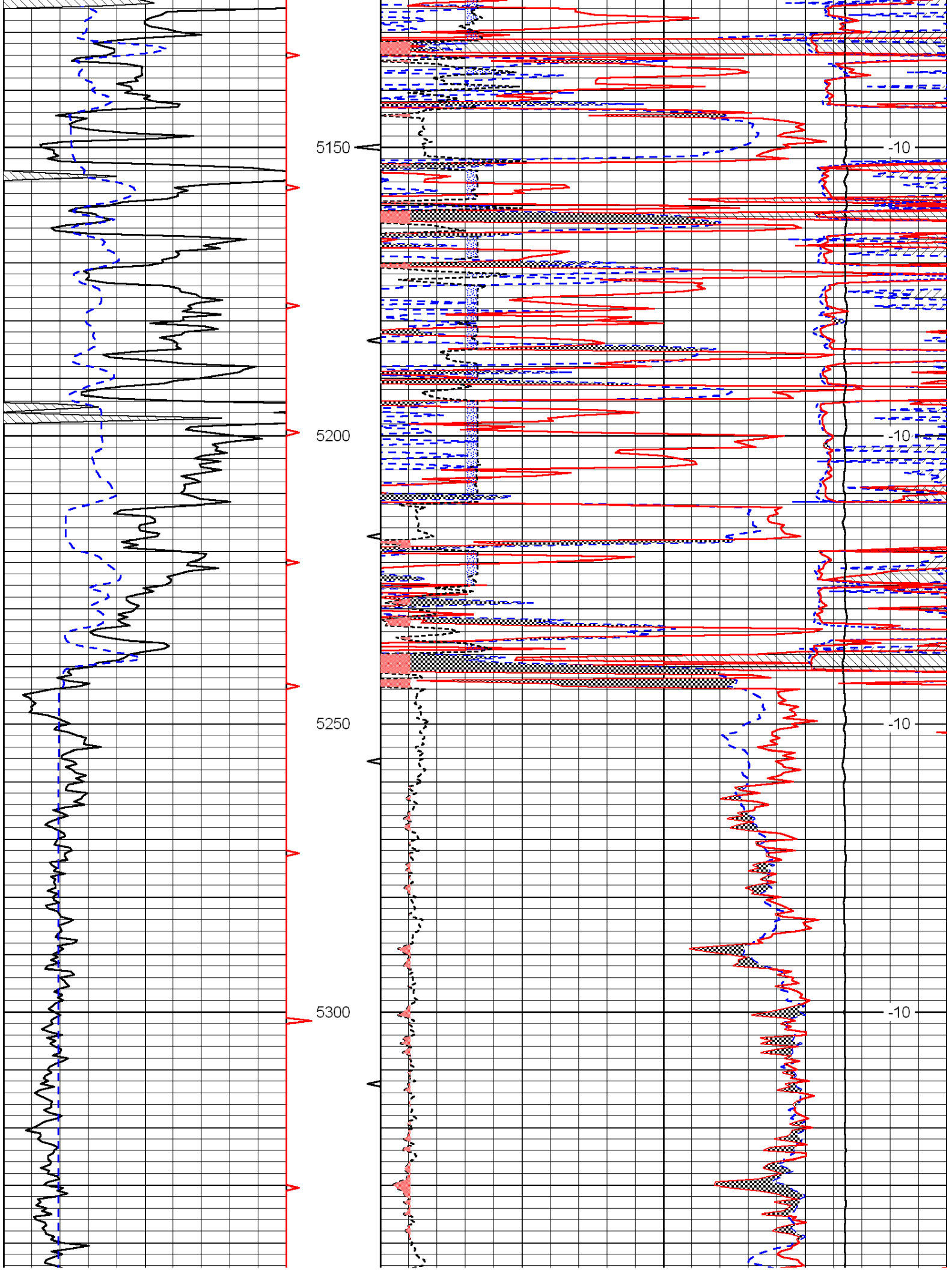
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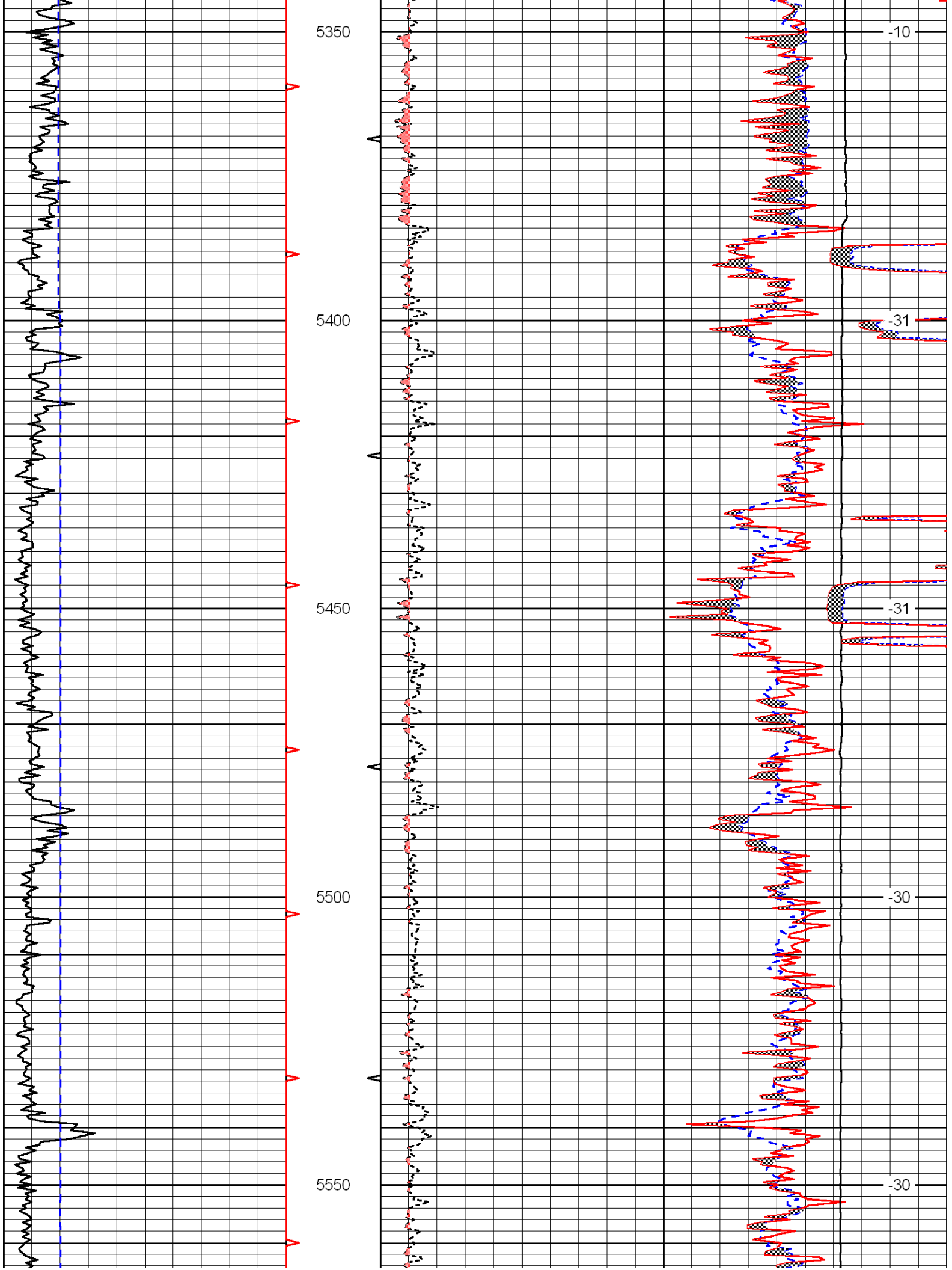
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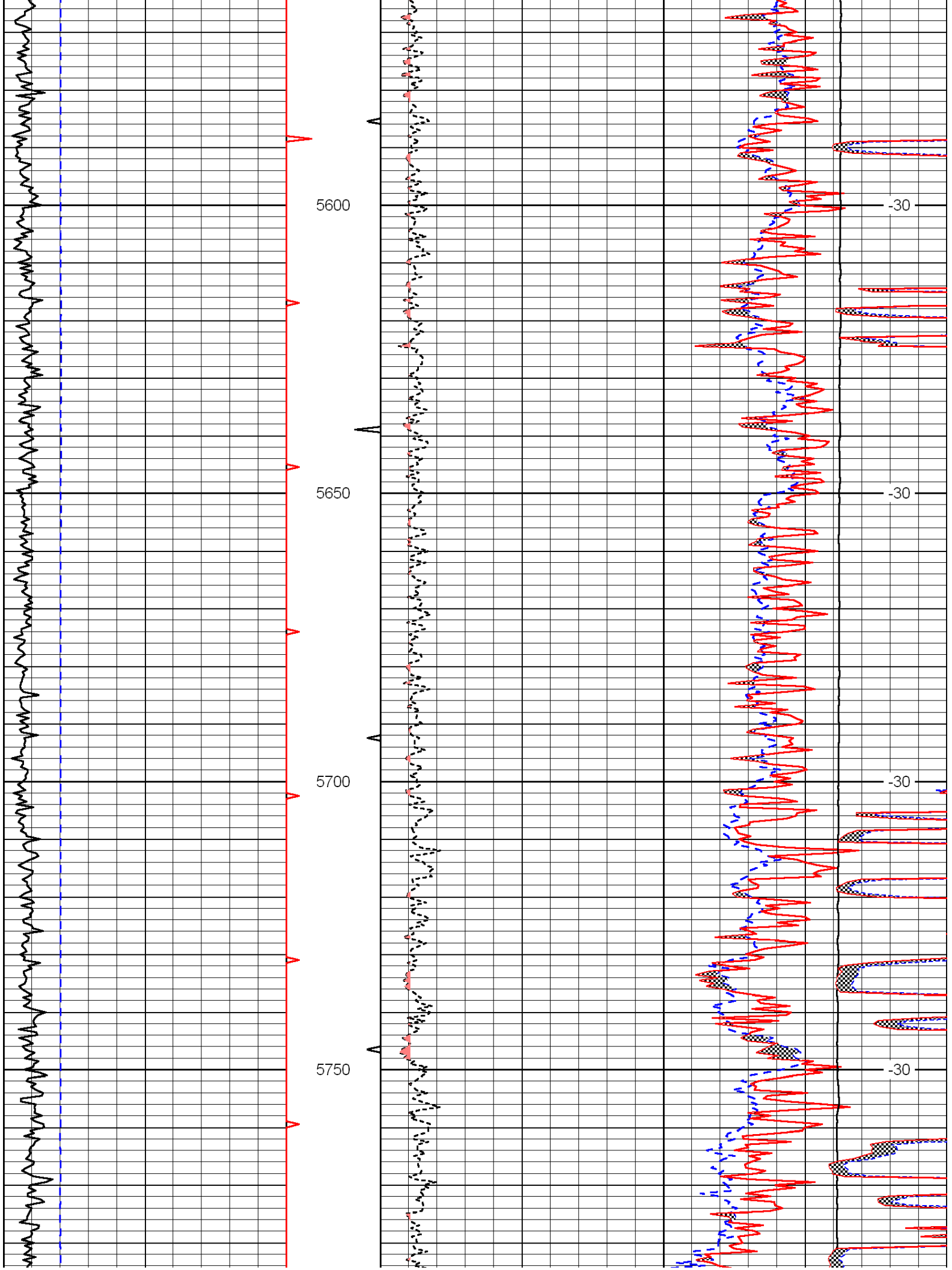
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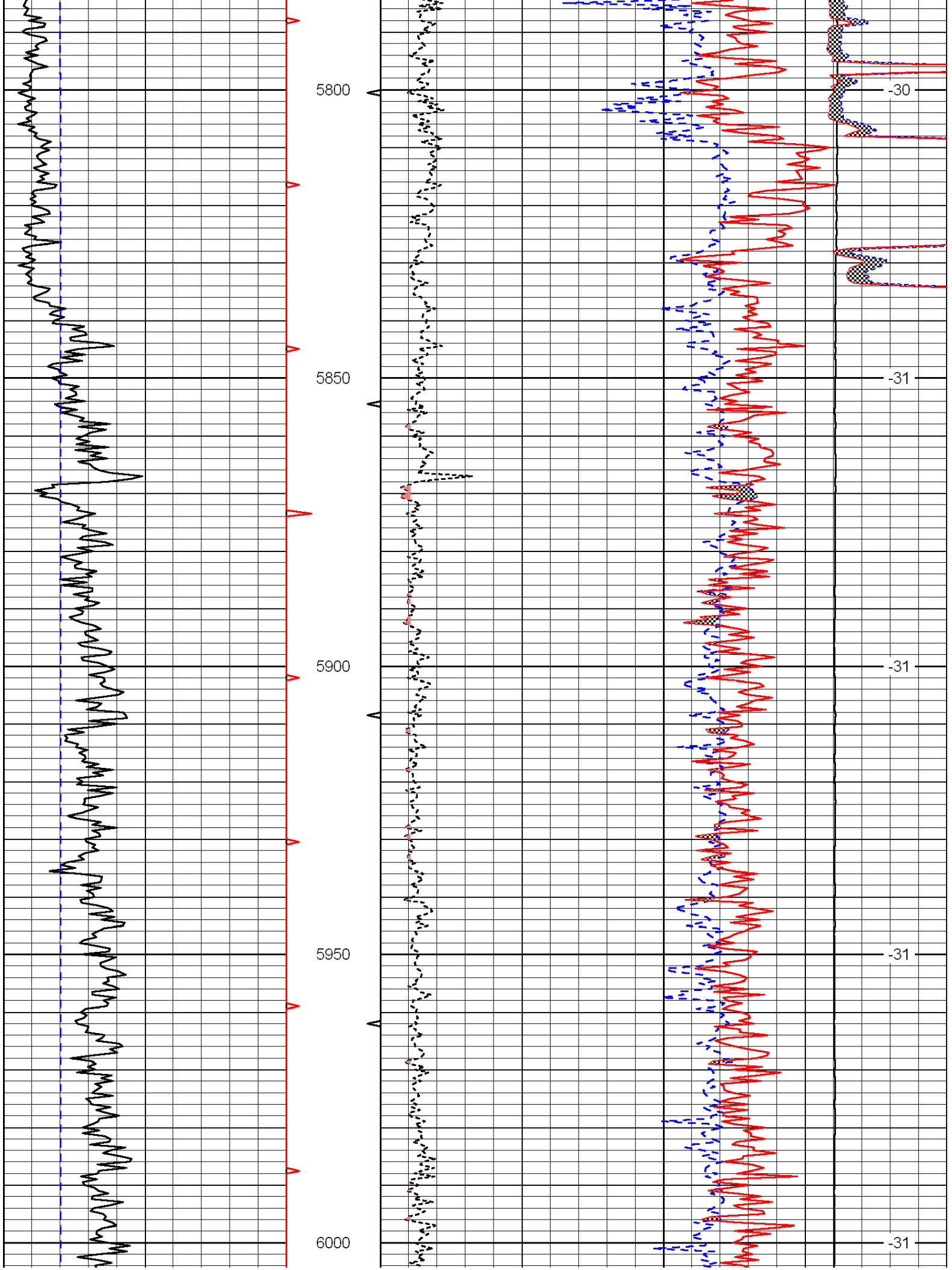
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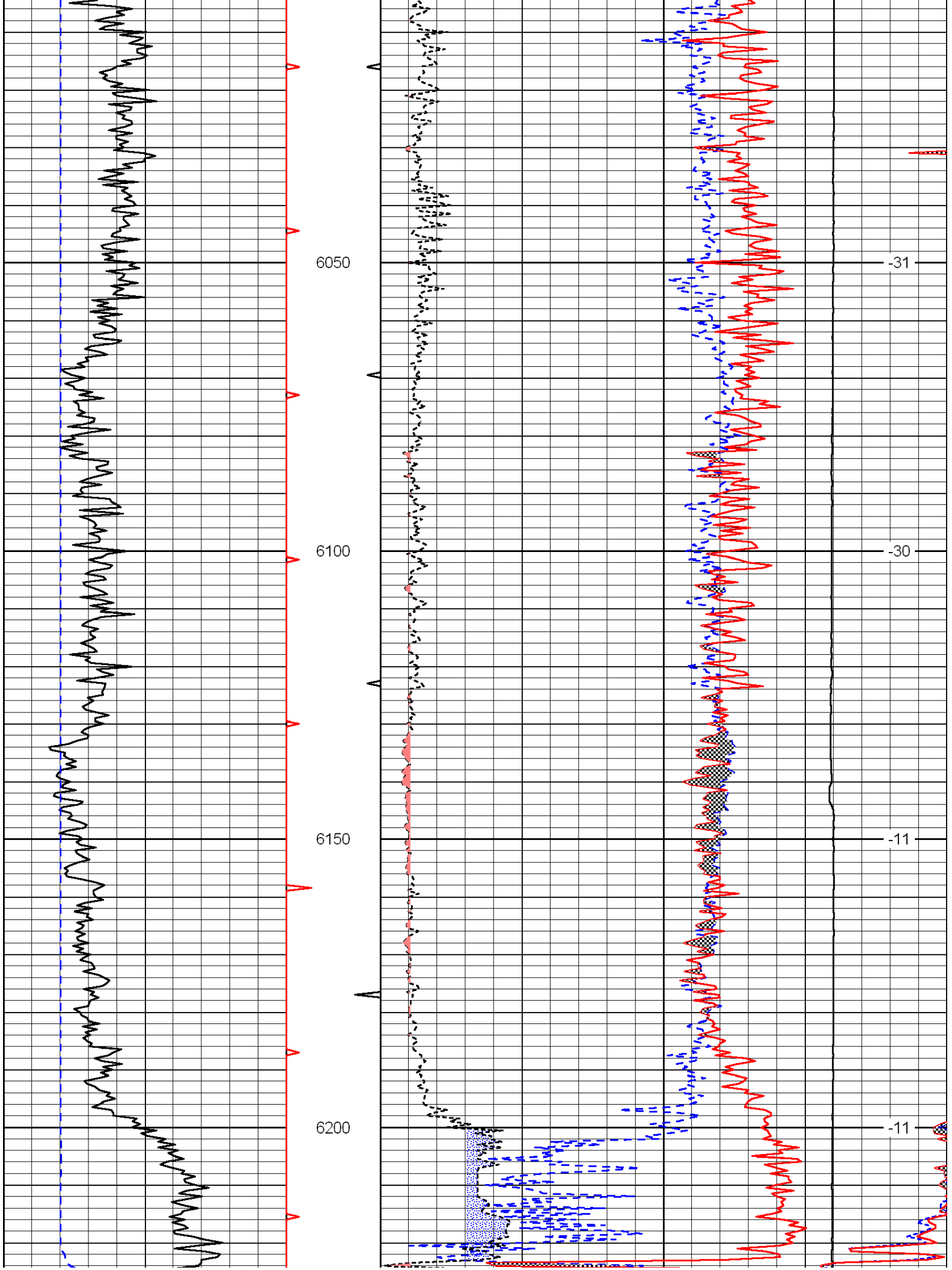
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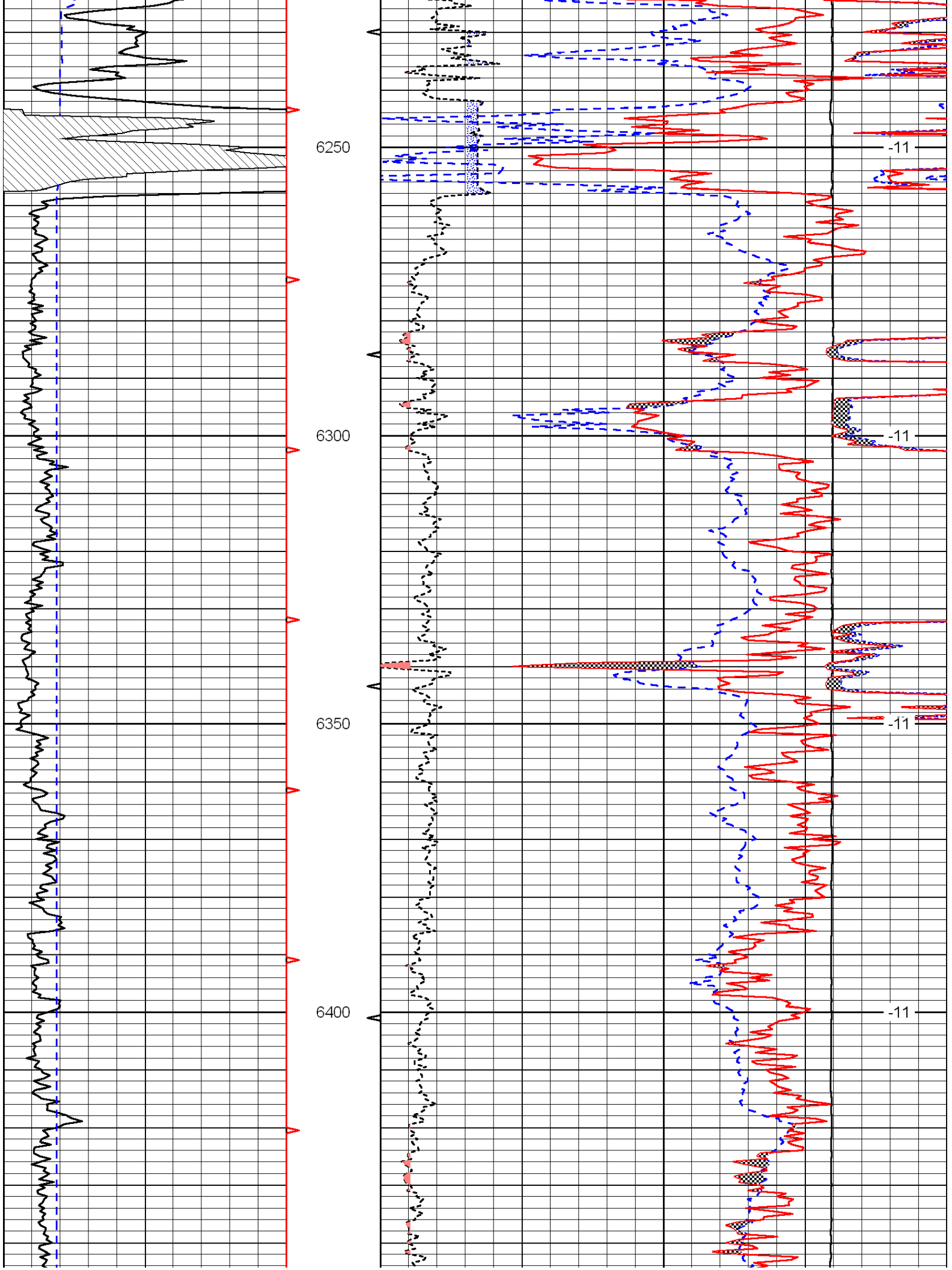
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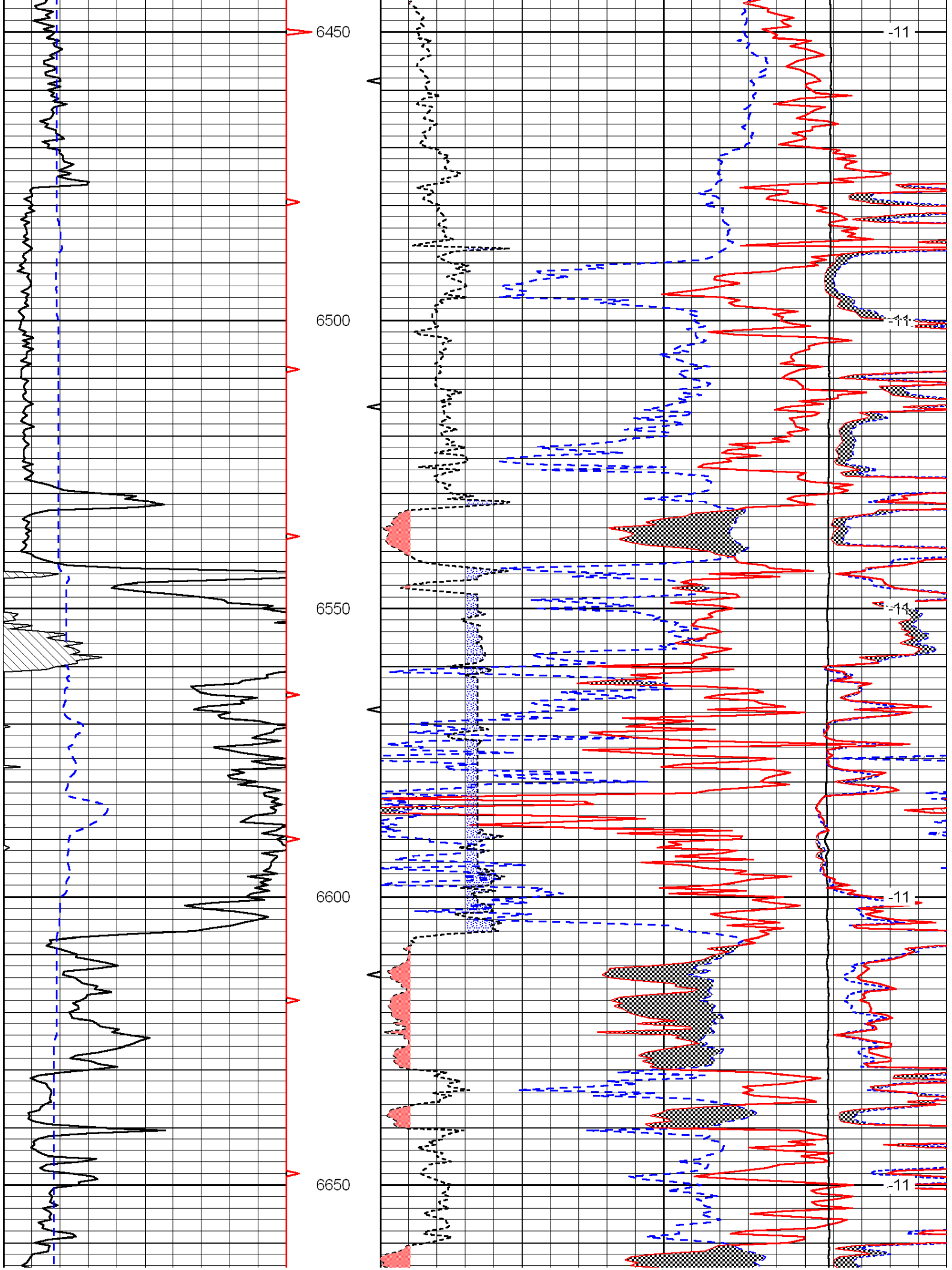
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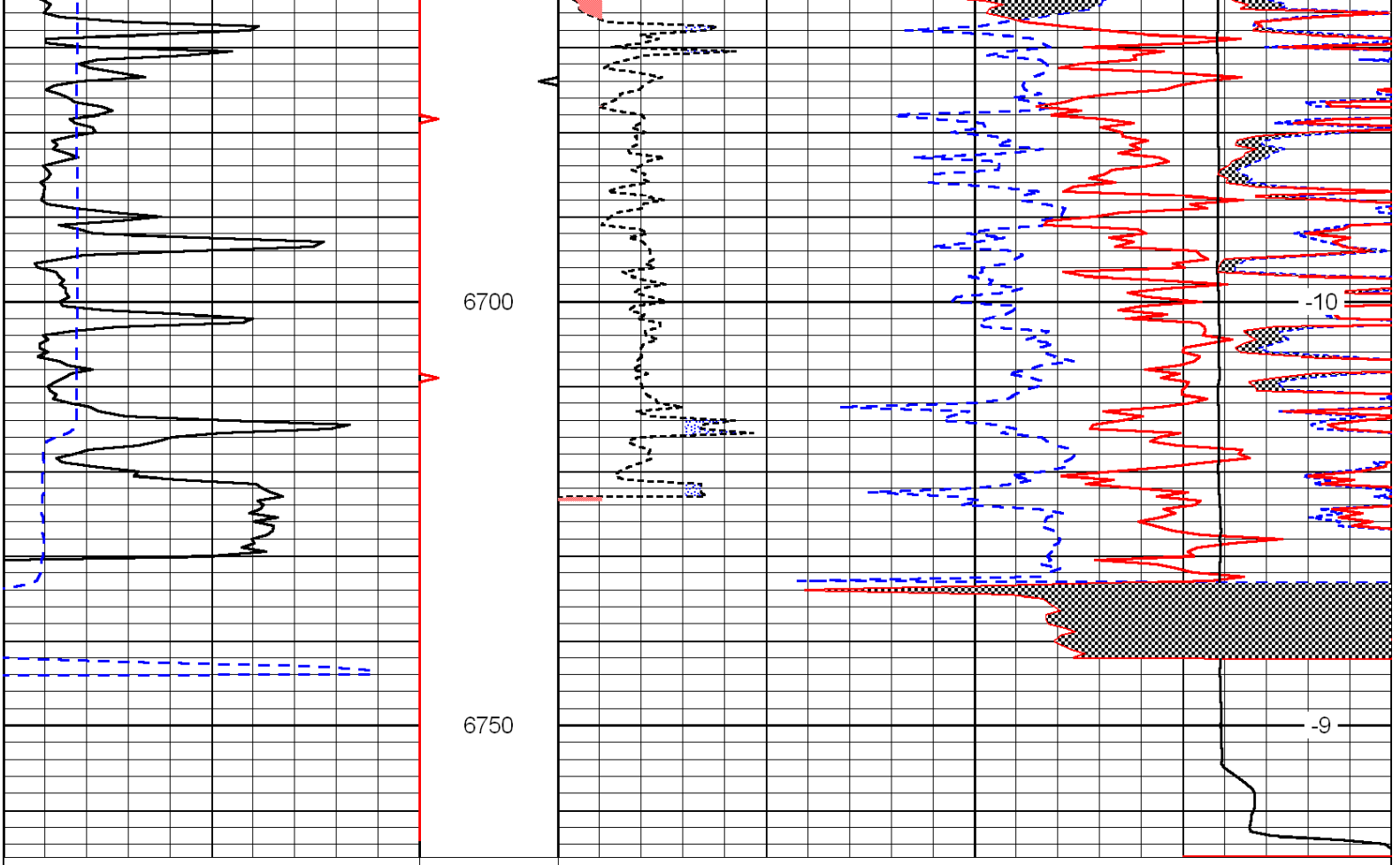


0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron	-10
30	Compensated Density	-10
2.625	DGA	3.425
0	Micro Normal	20
15000	Line Tension	0
0	Micro Inverse	20
	LSPD	

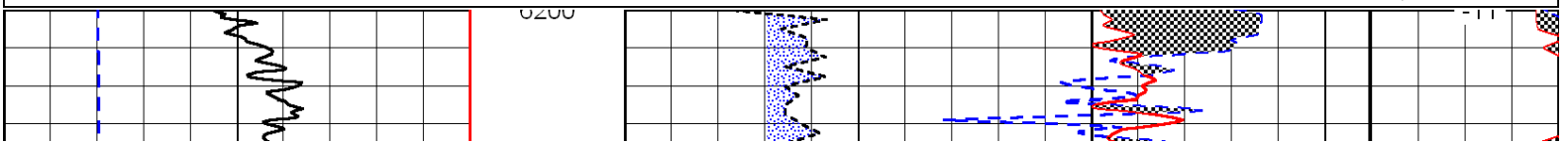
LOG-TECH

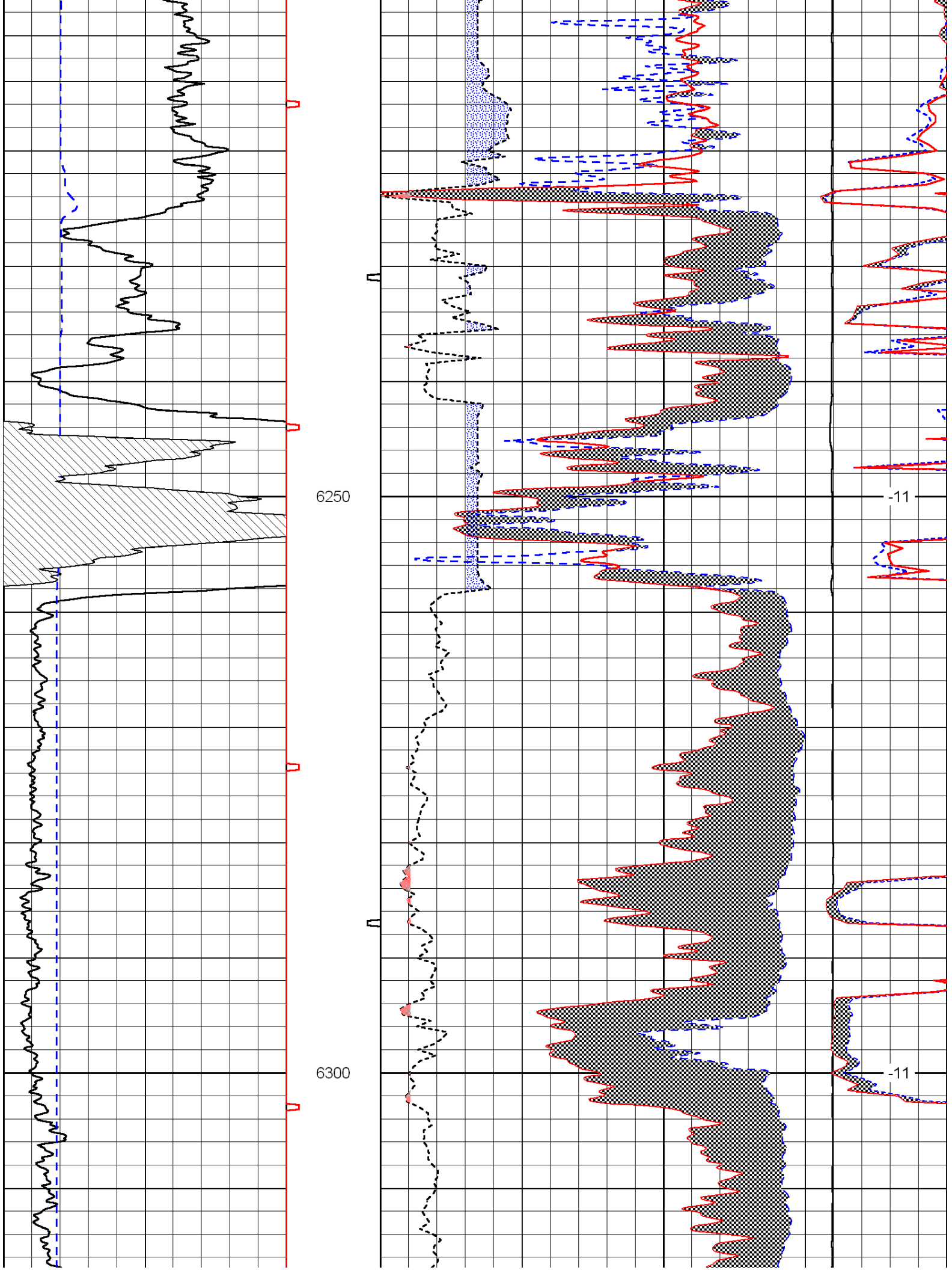
Dolomite Matrix (2.83)

Database File:	c:\warrior\data\fg holl_box ranch unit a no. 1-12\fgholl080811hd.db
Dataset Pathname:	dil/fgdolo
Presentation Format:	CNDLSP~1
Dataset Creation:	Mon Aug 08 12:15:23 2011
Charted by:	Depth in Feet scaled 1:120

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neurton	-10
30	Compensated Density	-10
2.625	DGA	3.425
0	Micro Normal	20
15000	Line Tension	0
0	Micro Inverse	20
	LSPD	

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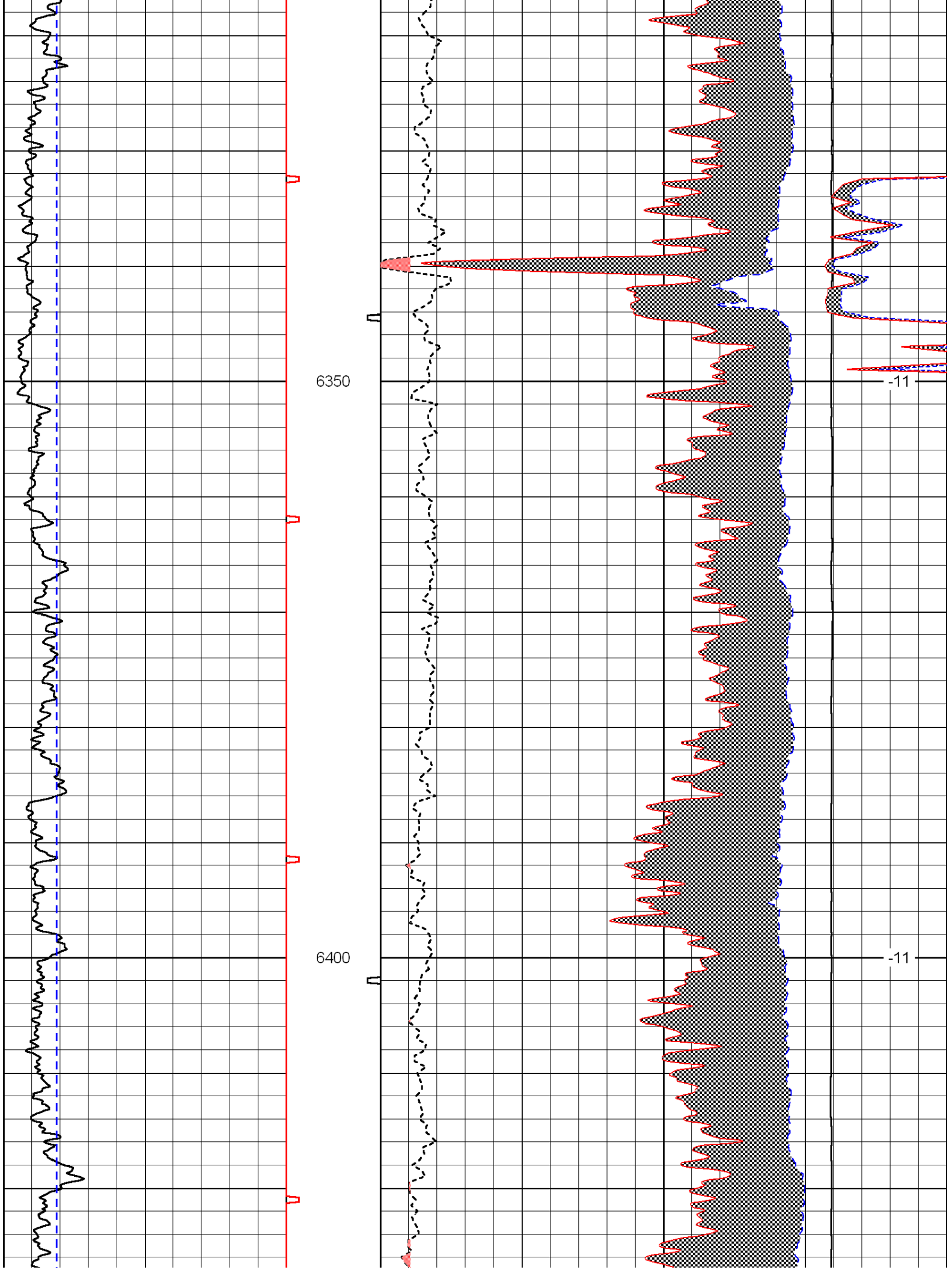
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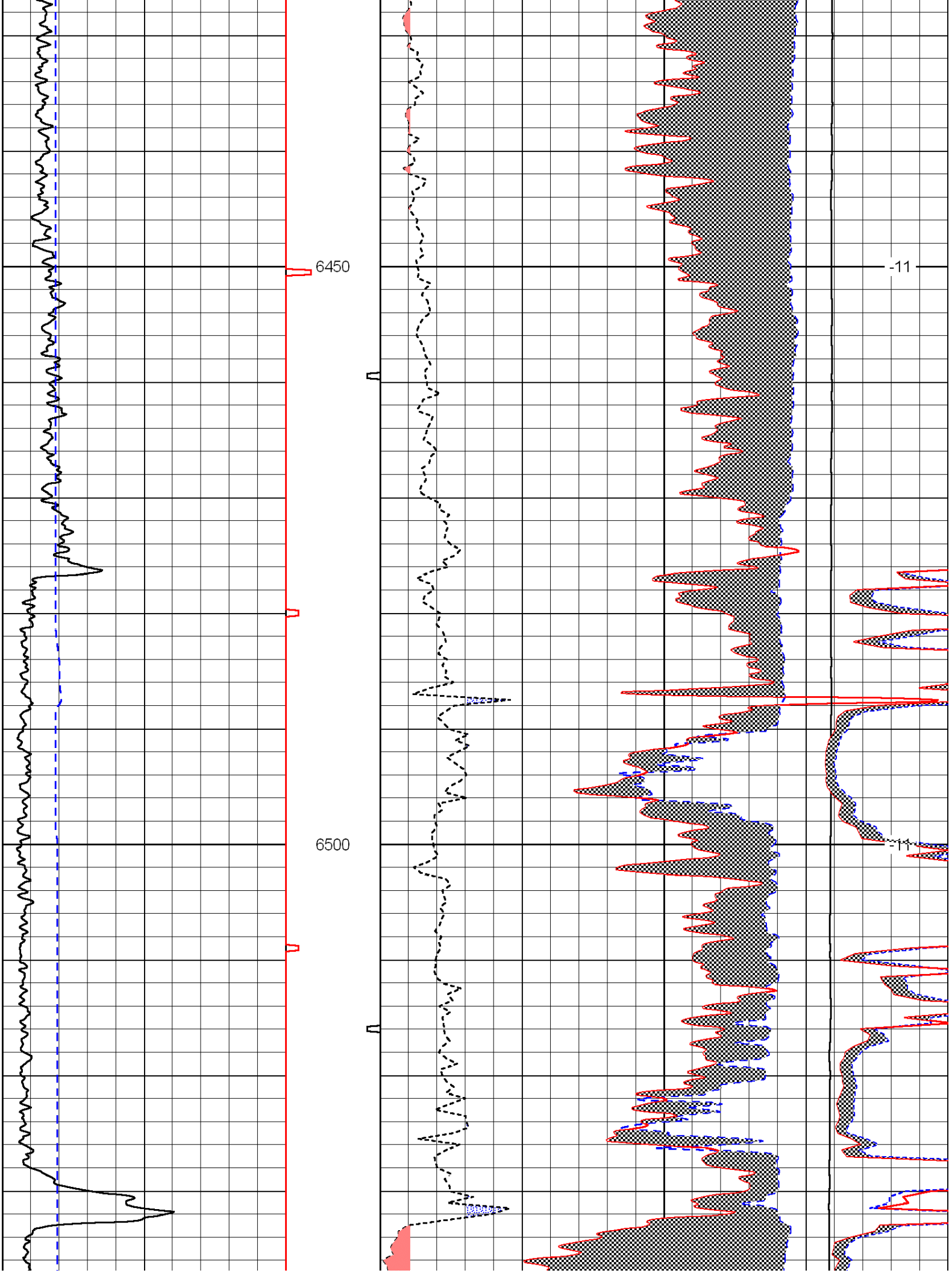
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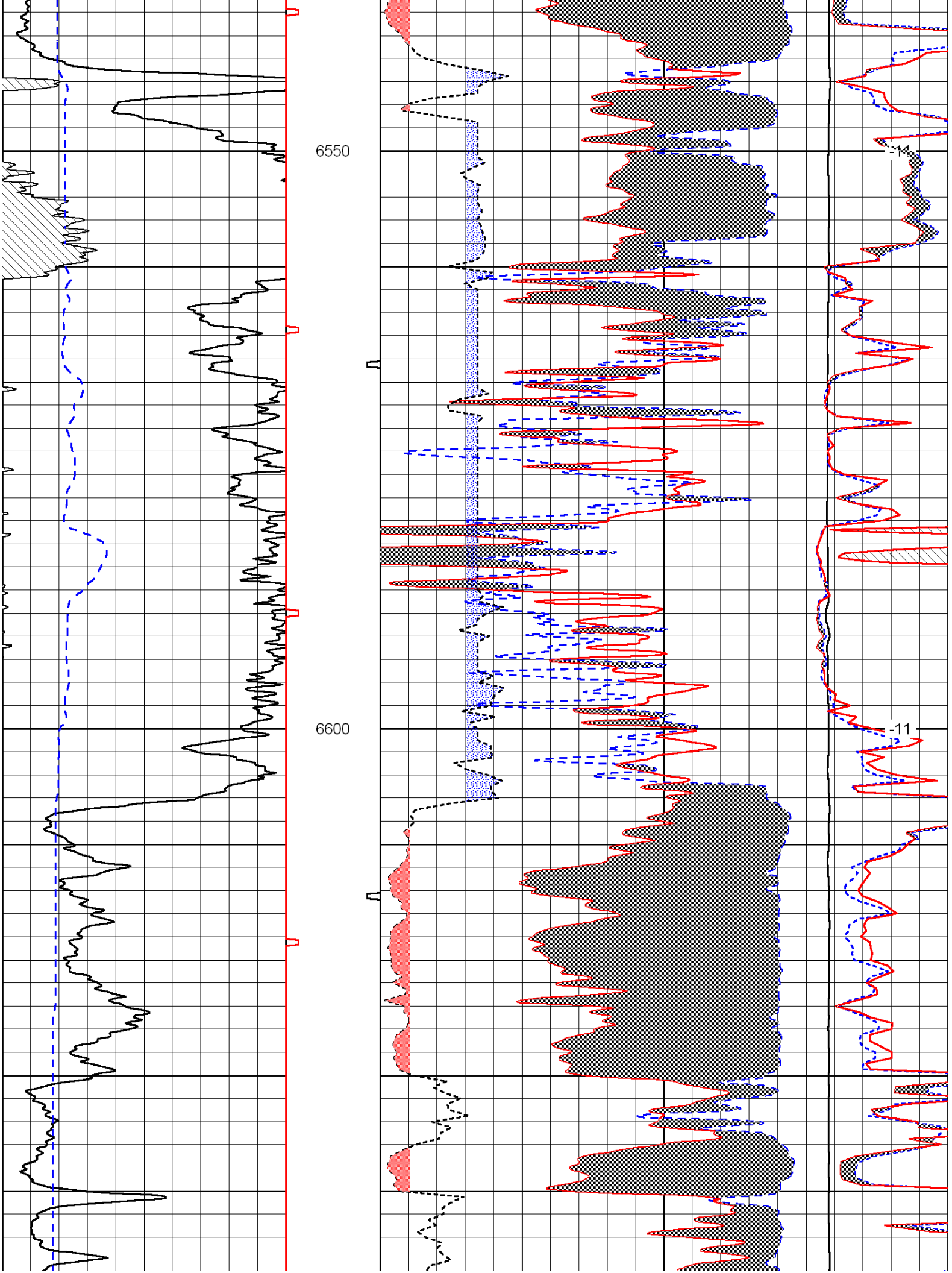
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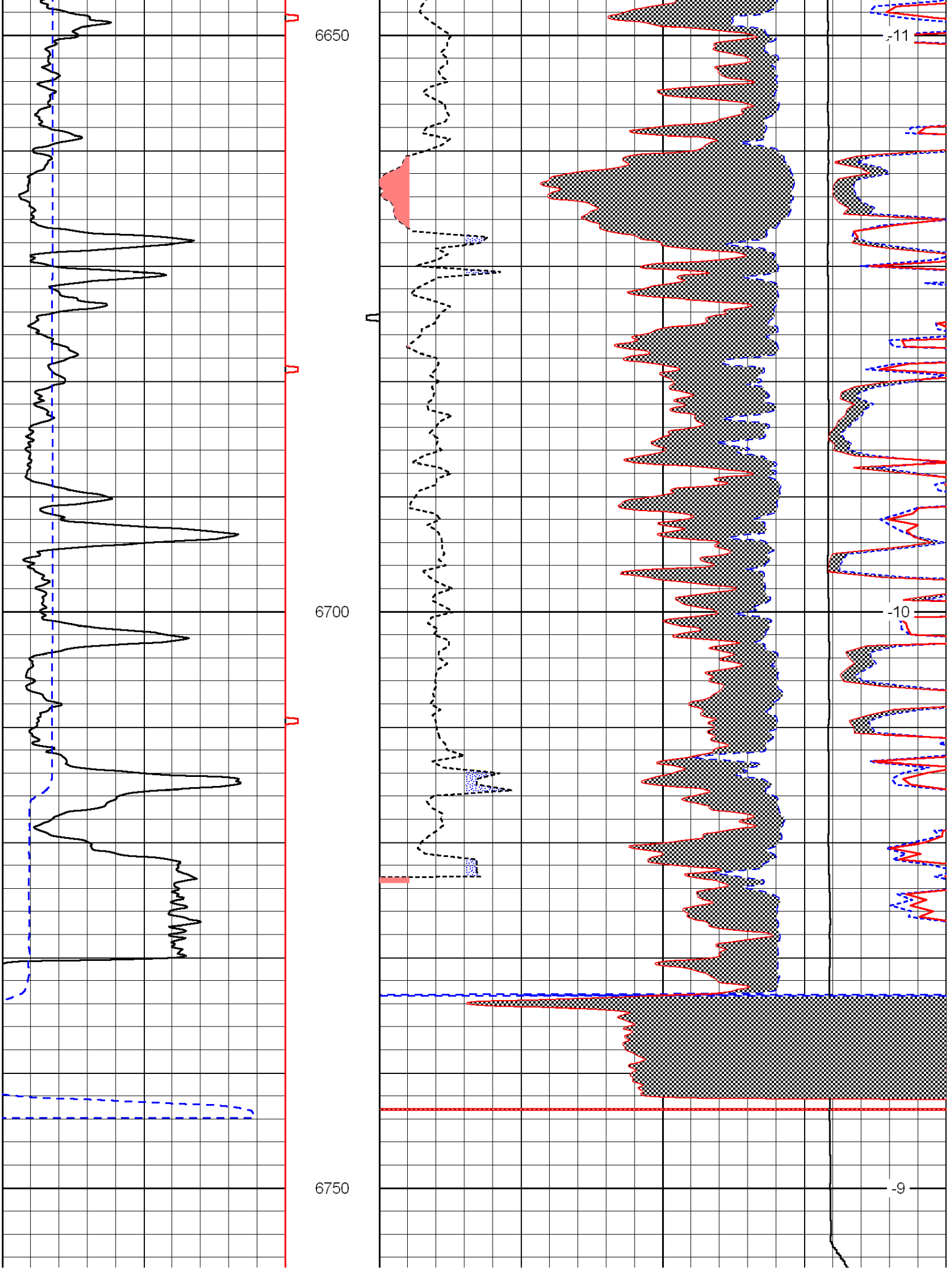
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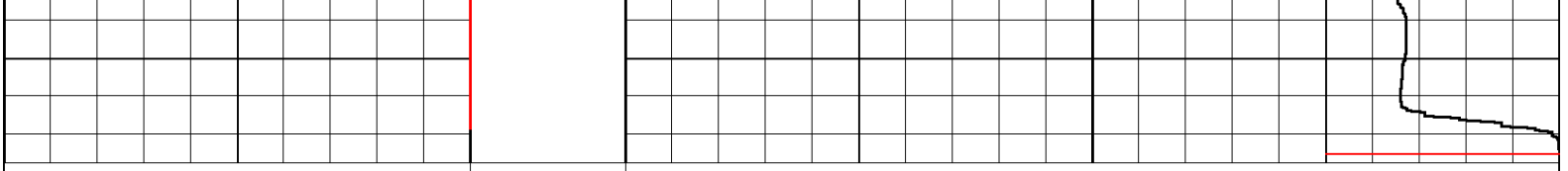

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neurton	-10
30	Compensated Density	-10
2.625	DGA	3.425
15000	Line Tension	

0	Micro Normal 20
	0
0	Micro Inverse 20

LSPD