PIONEER
Pioneer Energy Services

BOREHOLE COMPENSATED SONIC LOG

Company RJM COMPANY
Well GROSSARDT NO. 3
Field KRAFT-PRUSA
County BARTON State KANSAS

Location: API #: 15-009-26184-00-00
2310' FNL & 1300' FWL
E2-SE-SW-NW
SEC 10 TWP 17S RGE 11W

Other Services
DIL/MEL
CNL/CDL

Elevation
K.B. 1863'
D.F. N/A
G.L. 1855'

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Elevation	K.B. 1863', D.F. N/A, G.L. 1855'

Date	9/15/2017
Run Number	TWO
Type Log	BHCS
Depth Driller	3372'
Depth Logger	3370'
Bottom Logged Interval	3359'
Top Logged Interval	300'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	6,000
Density	9.2
Level	FULL
Max. Rec. Temp. F	110
Operating Rig Time	4 HOURS
Equipment -- Location	108 HAYS
Recorded By	J. HENRICKSON
Witnessed By	WYATT URBAN
Permanent Datum	GROUND LEVEL
Elevation	1855'
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING

Borehole Record

Run No.	Bit	From	To
ONE	12.25"	0	346'
TWO	7.875"	346'	TD

Casing Record

Size	Wgt.	From	To
8.625"	23#	0	346'

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

CLAFLIN KANSAS
5 NORTH, EAST INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. HENRICKSON	Primary Witness: WYATT URBAN
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

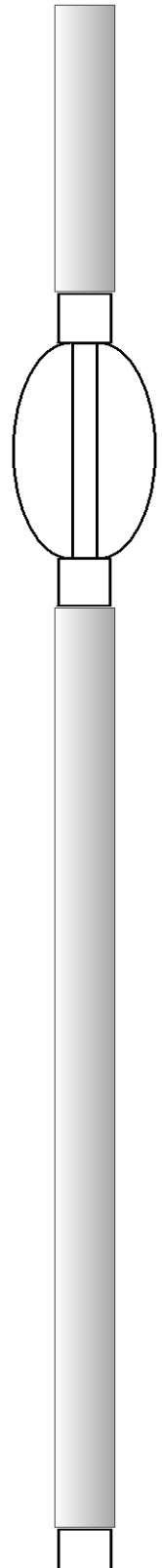
Log Variables

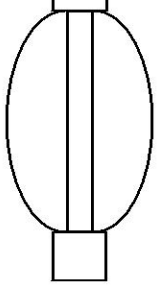
DatabaseC:\ProgramData\Warrior\Data\rjm_grossardt_3.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	110	5.5	0	1	2	2.71

NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	-120	65	Off	3370

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			ML-Armadillo (Armadillo-4) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
MCAL	28.00					
MI	28.00					
MN	28.00					
			CENT-PENGO	5.50	3.00	70.00
WVF4	13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF1	13.50					
WVF3	11.50					
WVF2	11.50					



			CENT-PENGO	5.50	3.00	70.00

Dataset: rjm_grossardt_3.db: field/well/SONMEL/pass3
Total length: 32.00 ft
Total weight: 540.00 lb
O.D.: 3.50 in

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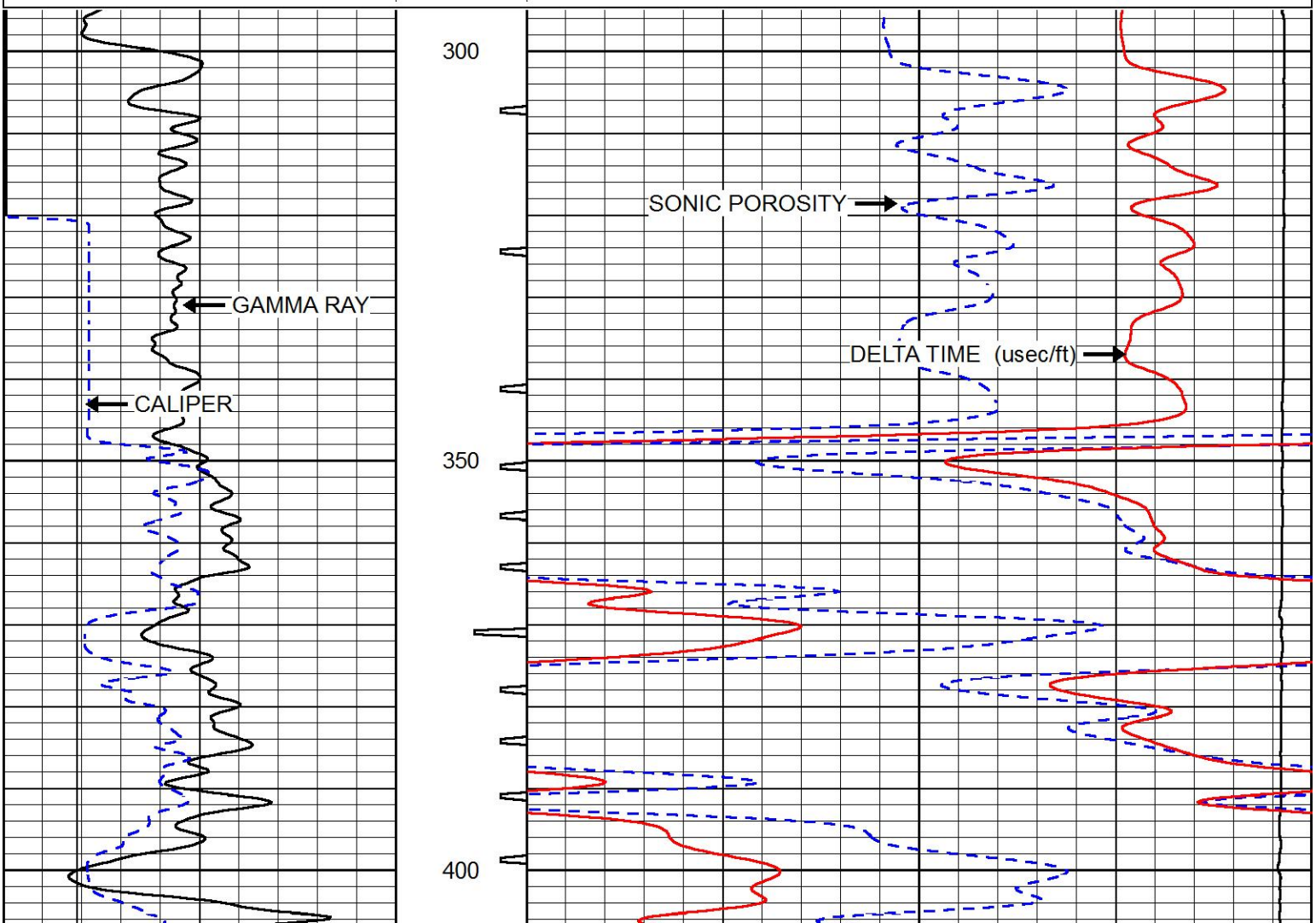
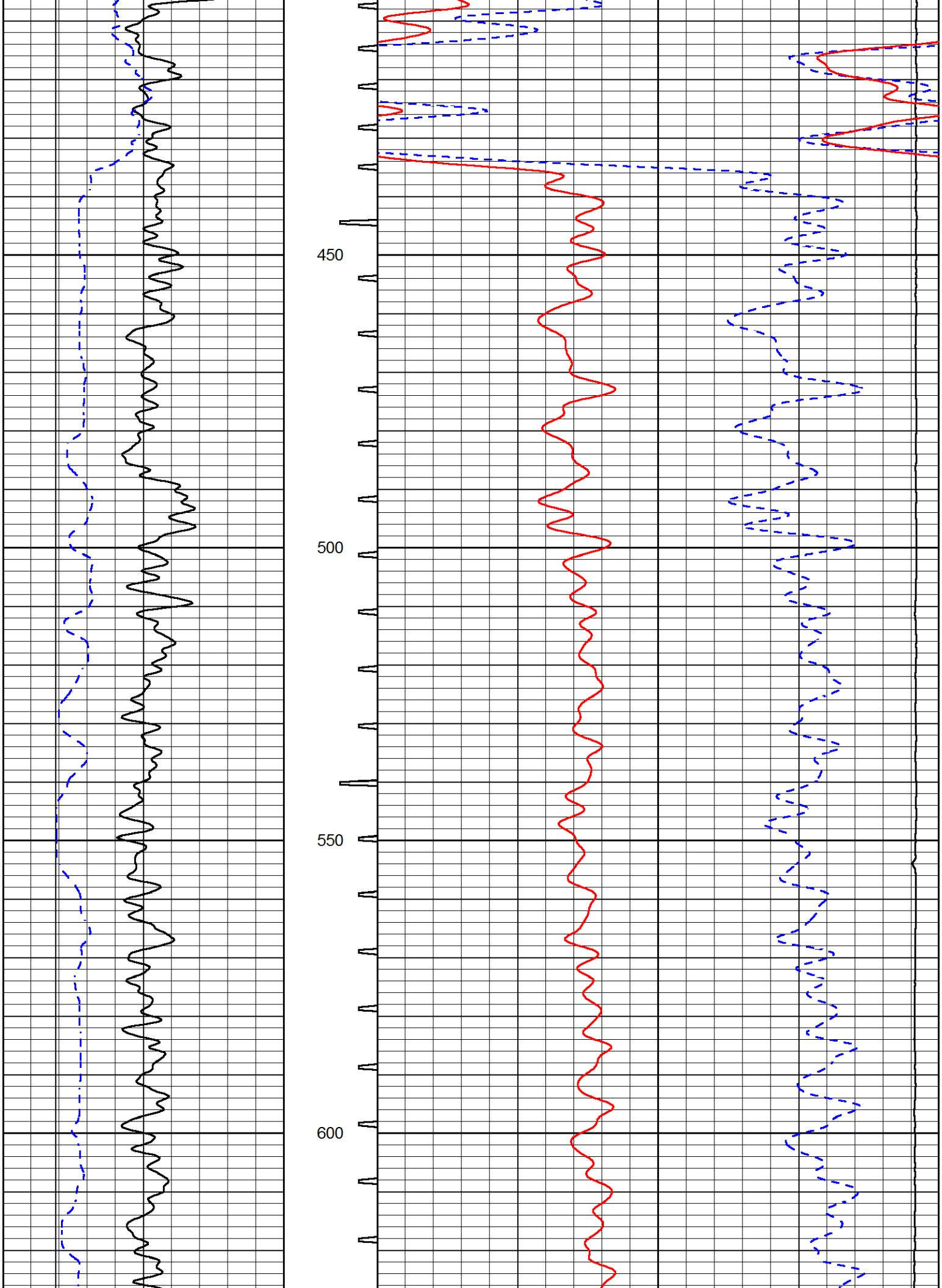
MAIN PASS

Database File rjm_grossardt_3.db
Dataset Pathname stack/pass3.1
Presentation Format sonic
Dataset Creation Fri Sep 15 05:04:03 2017
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	SONIC INT TRAVEL TIME (msec)	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16		30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16		15000	LINE TENSION (lb)	0

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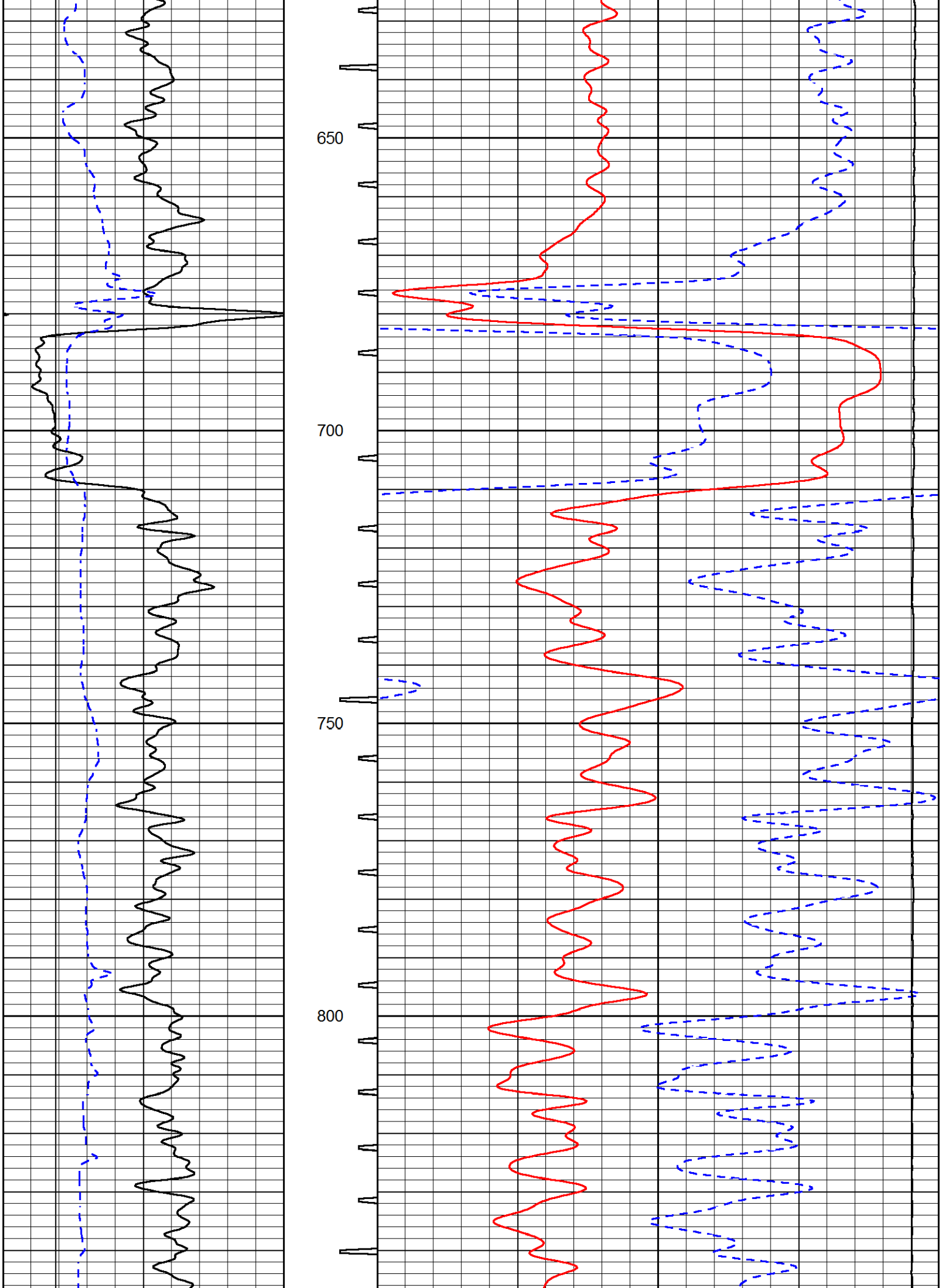
500
550
600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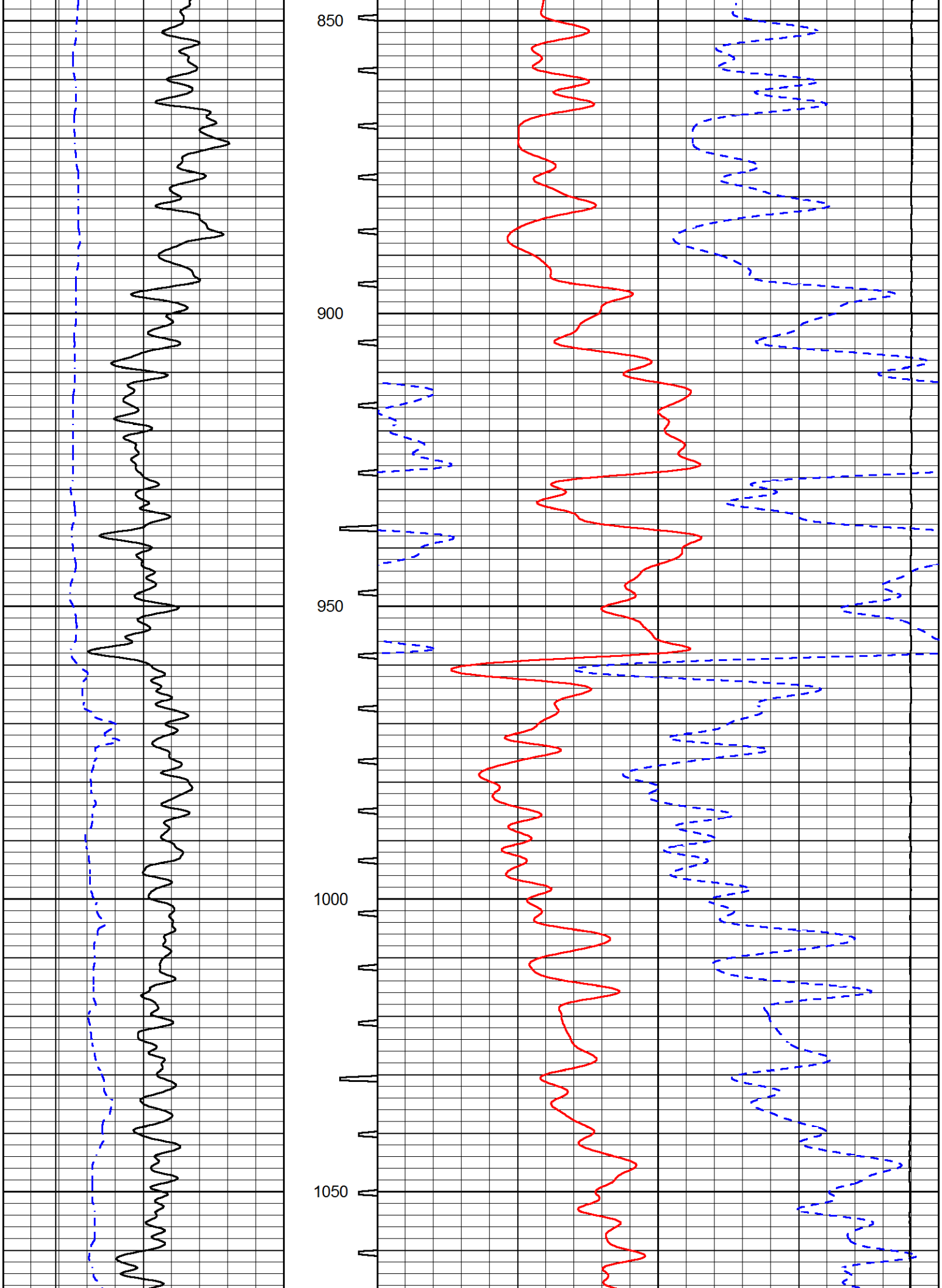
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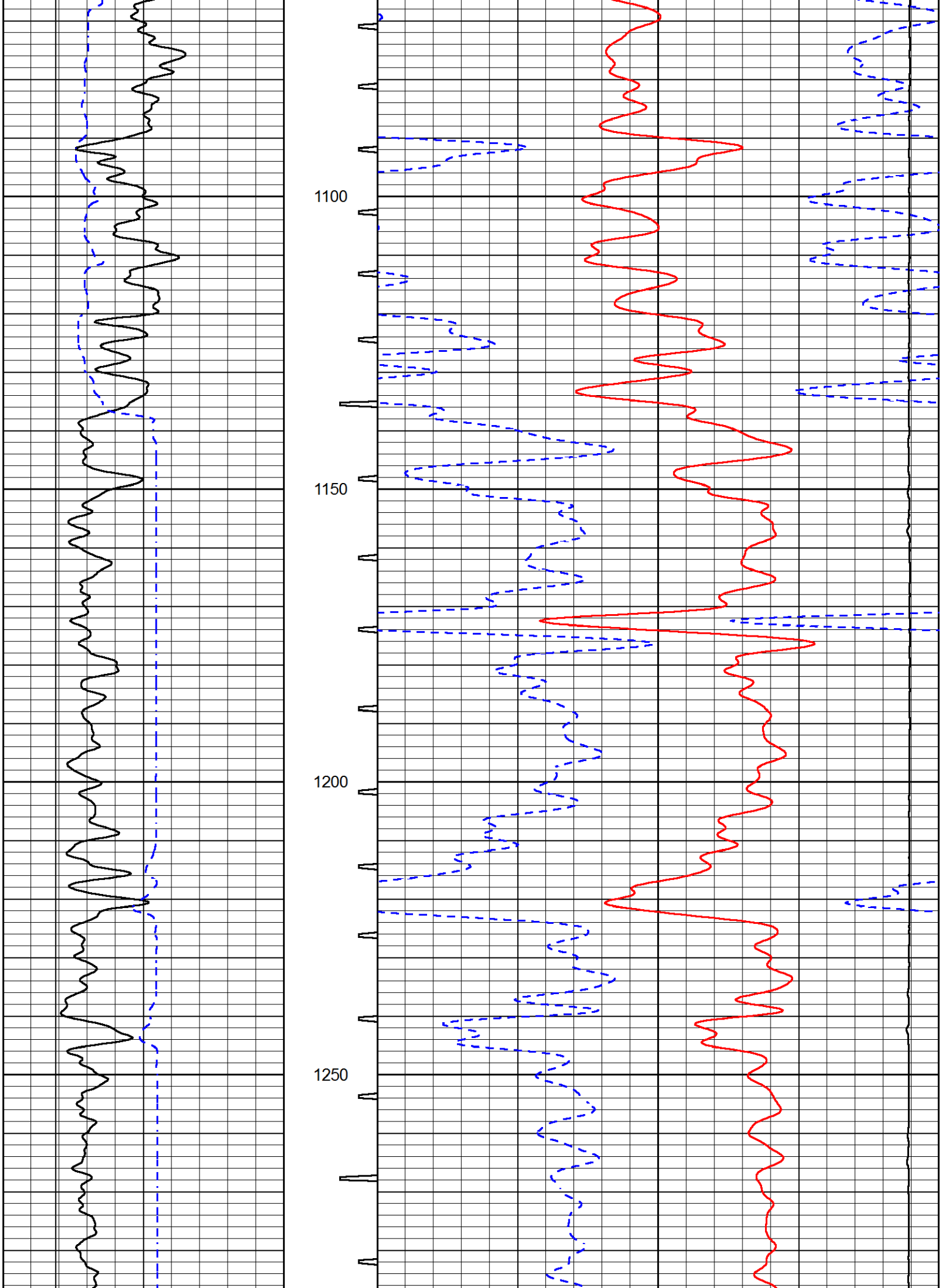
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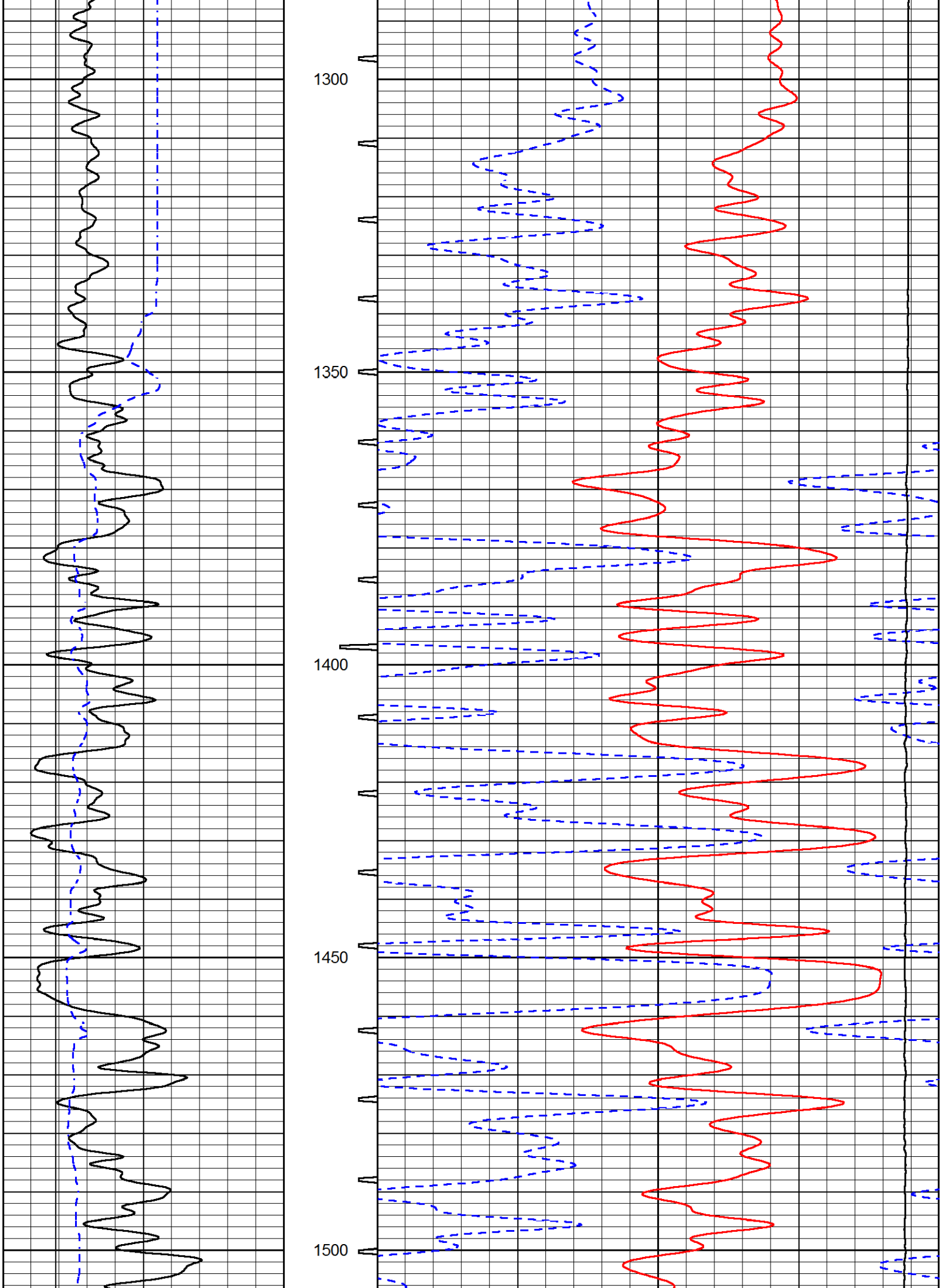
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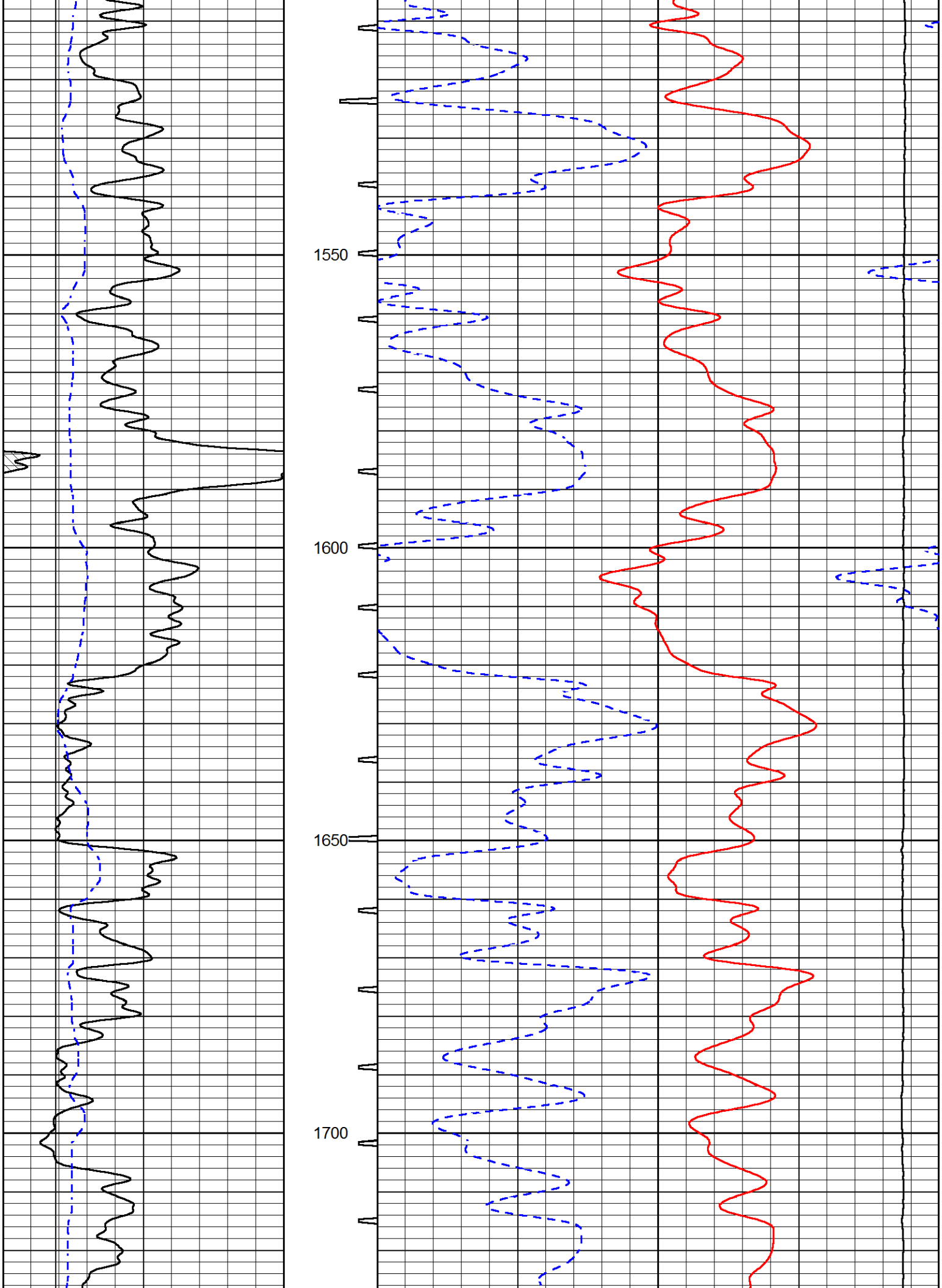
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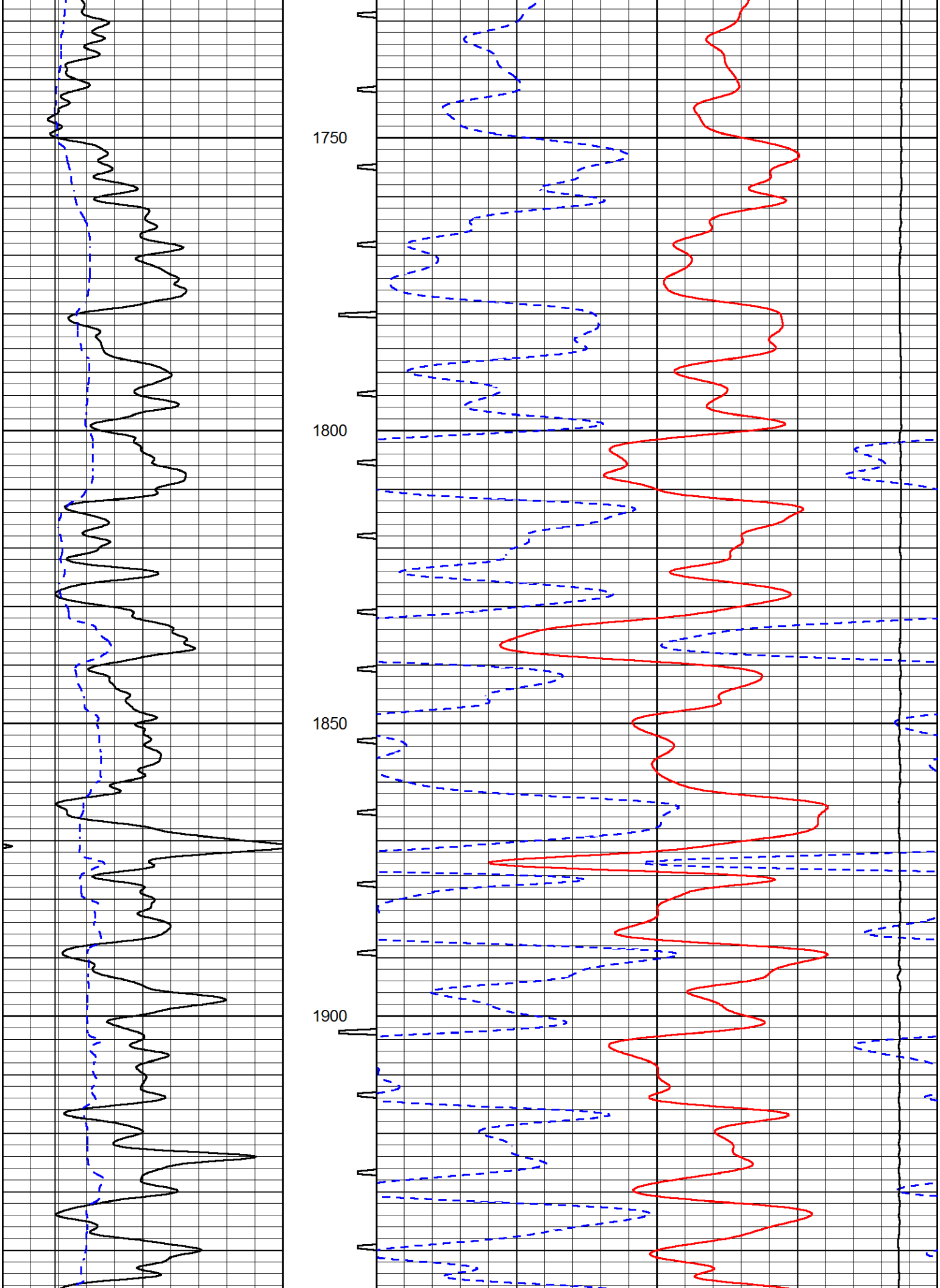
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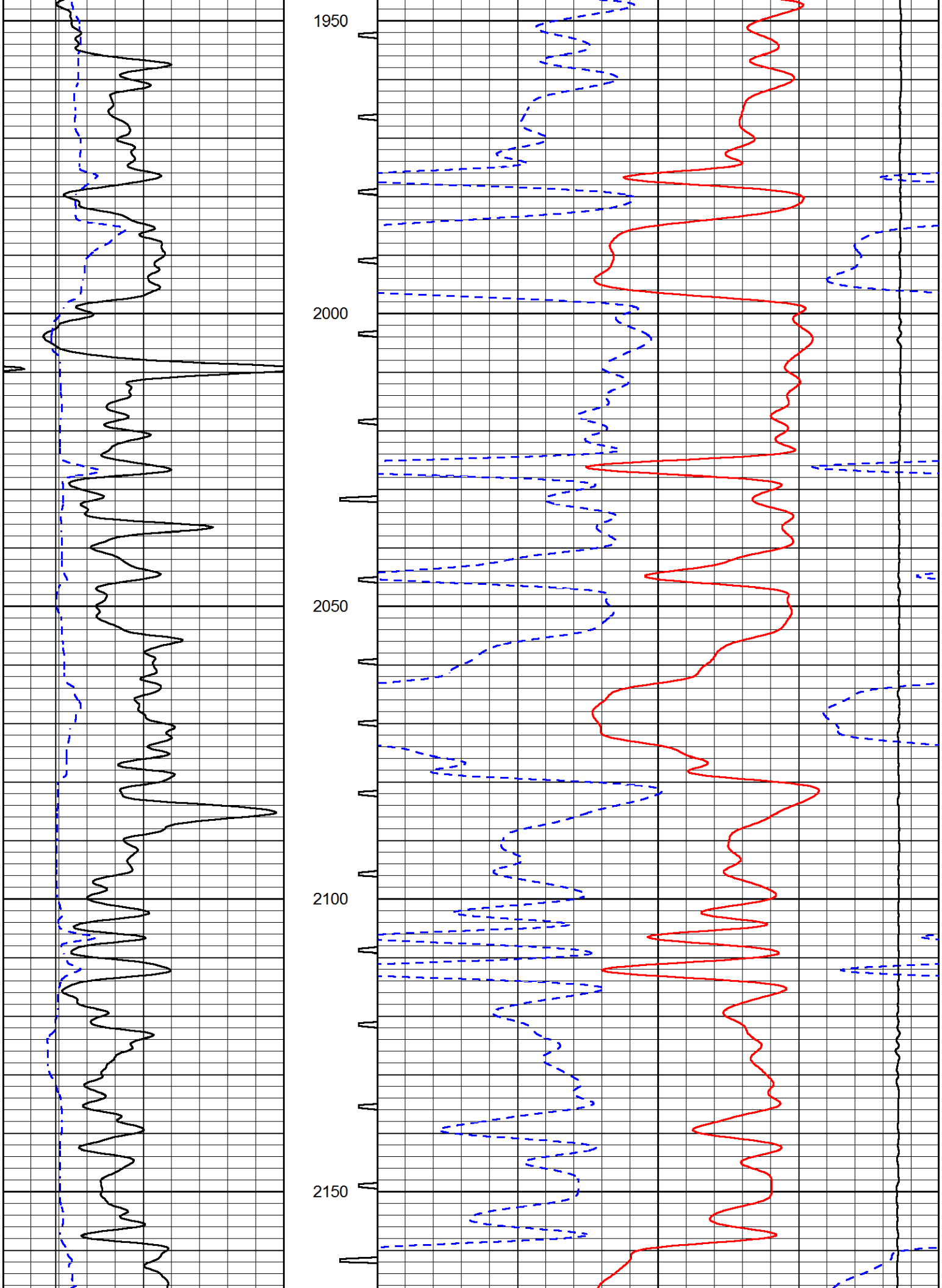
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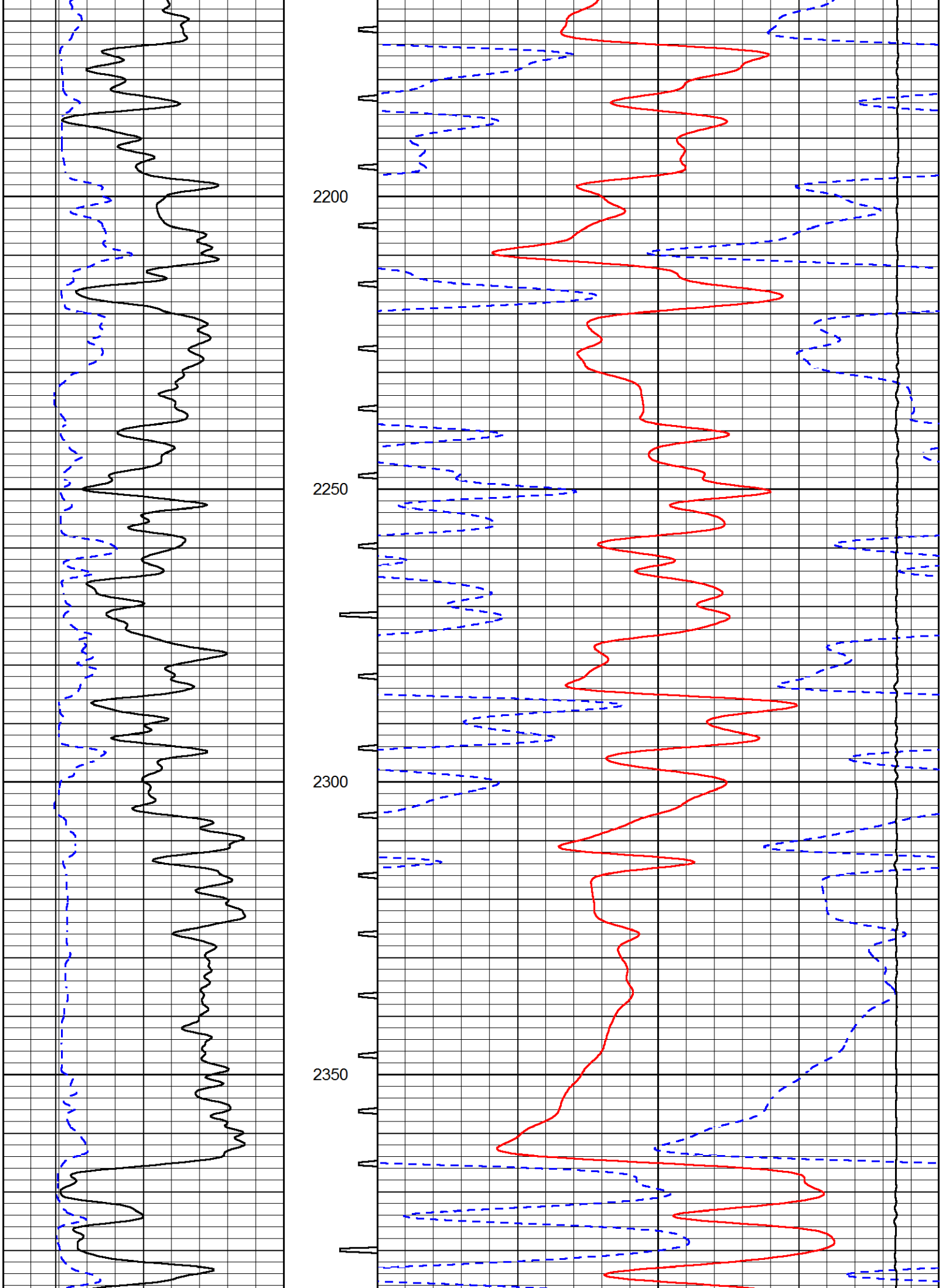
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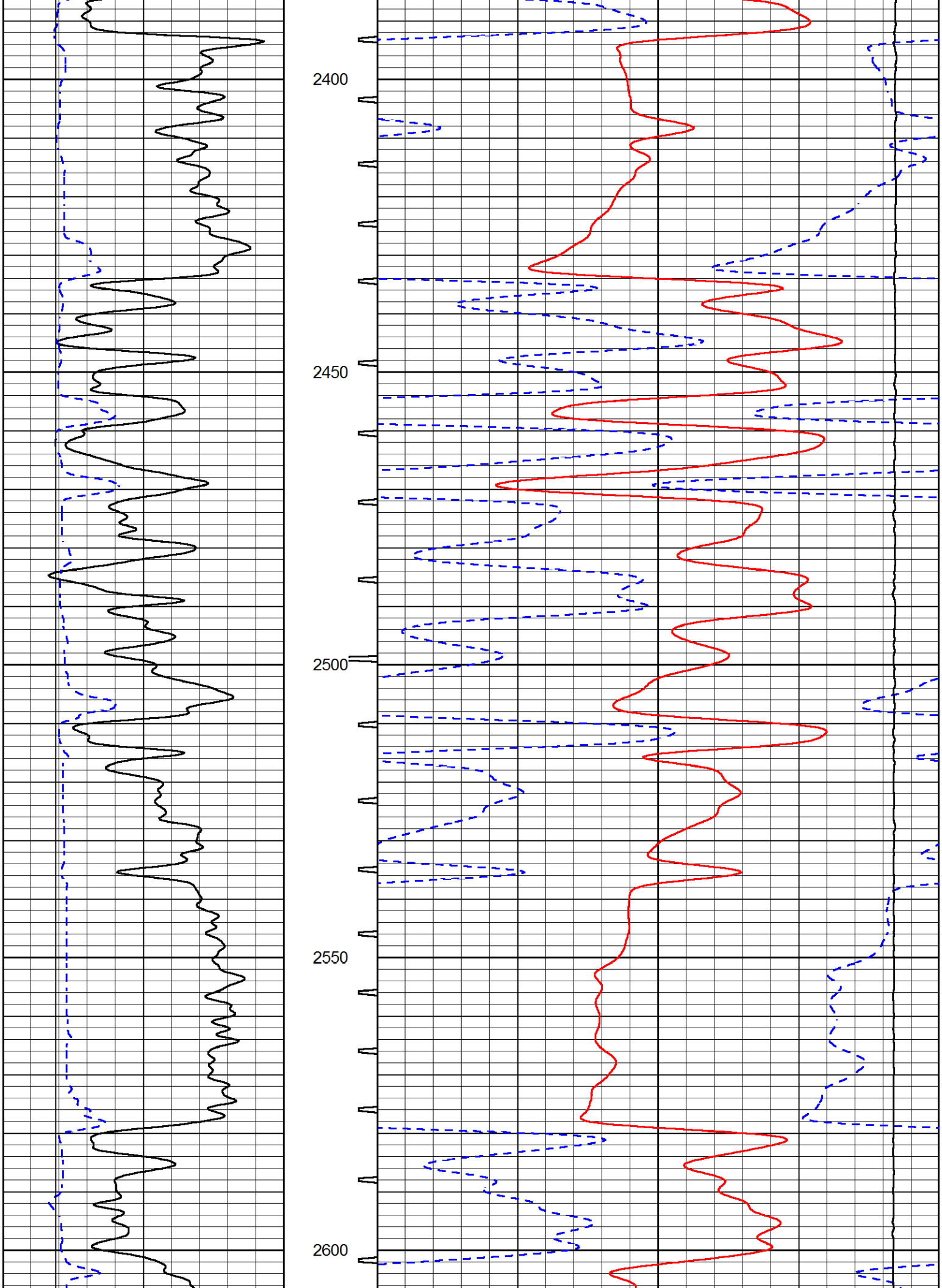
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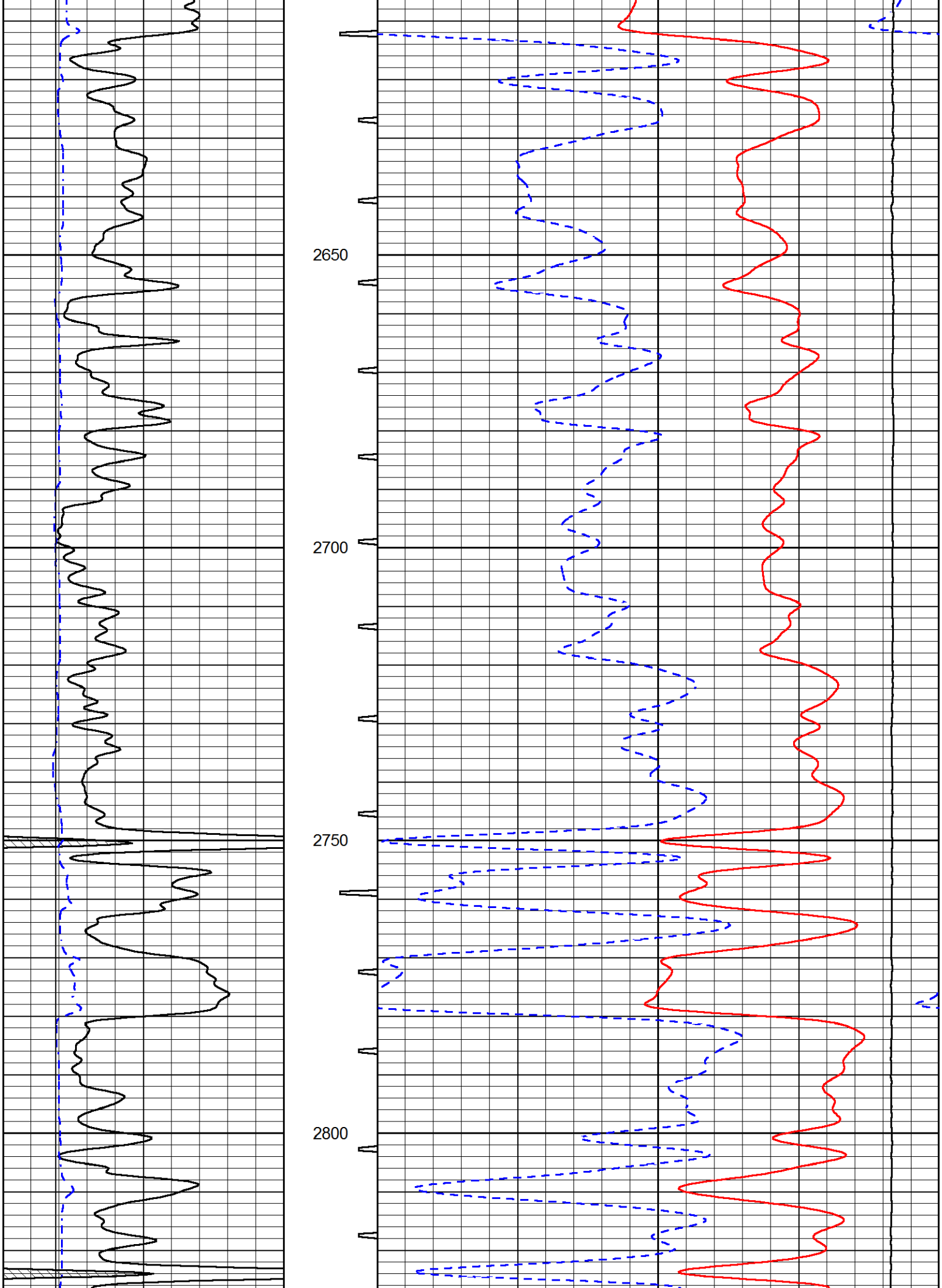
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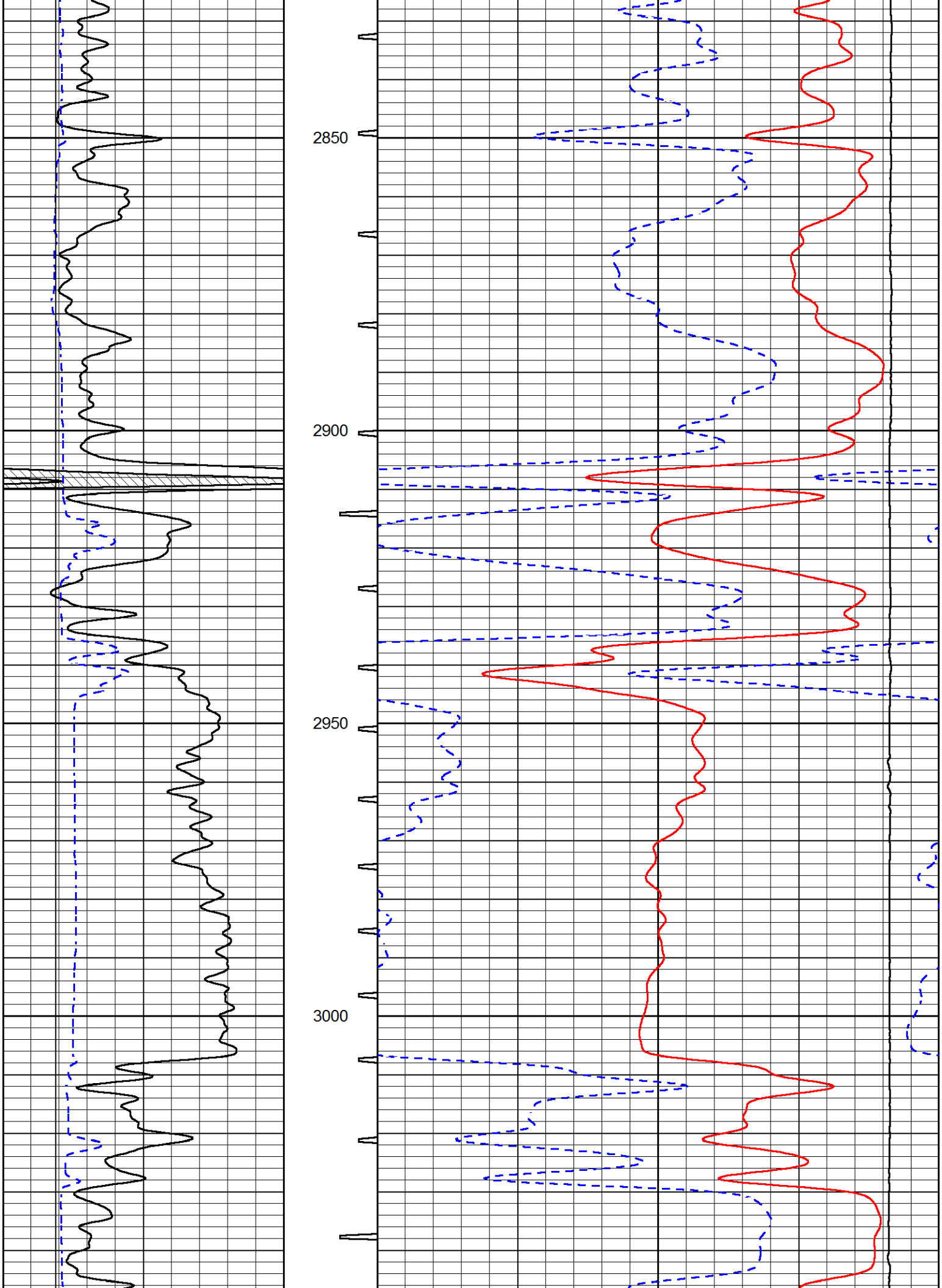
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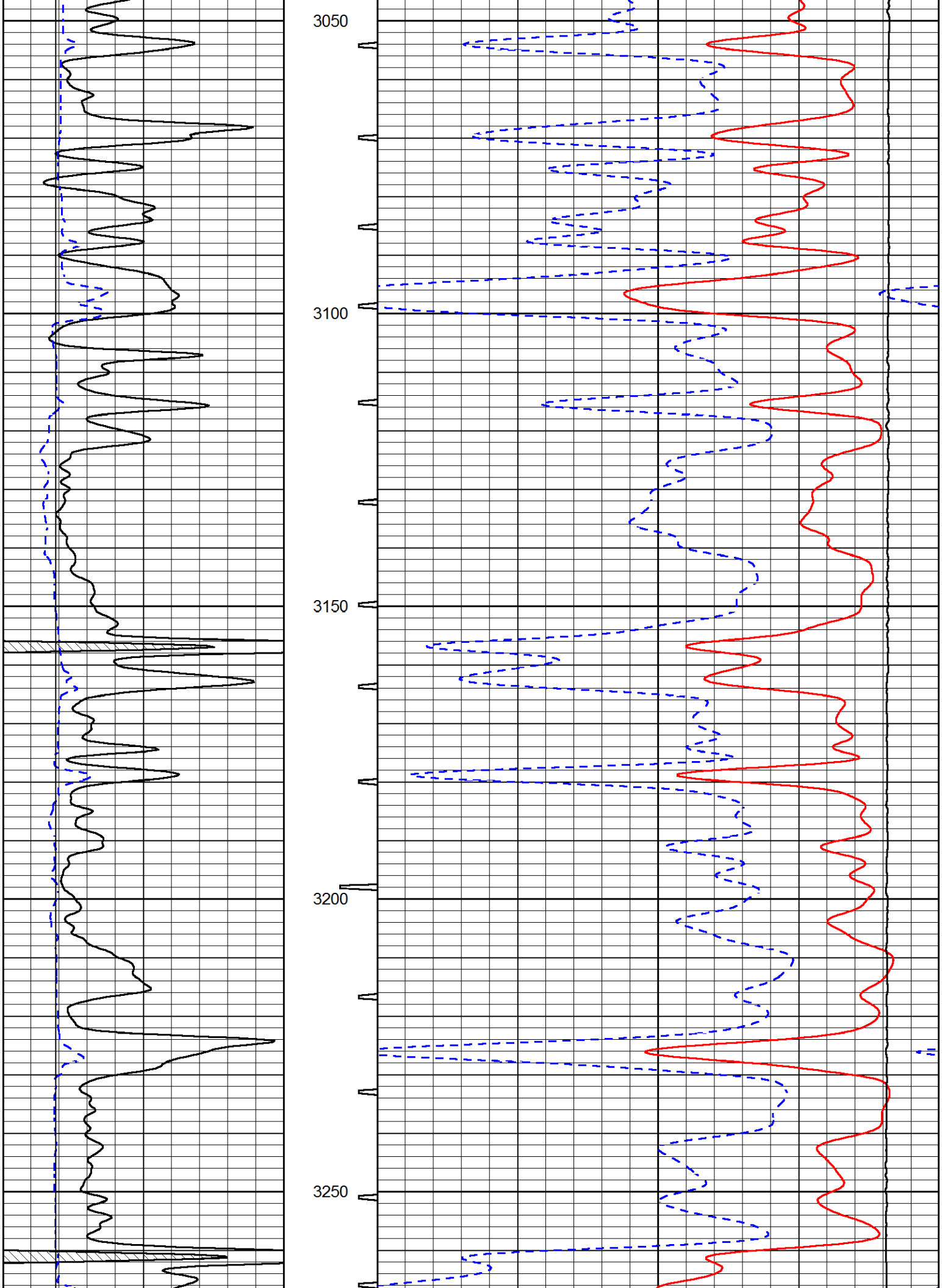
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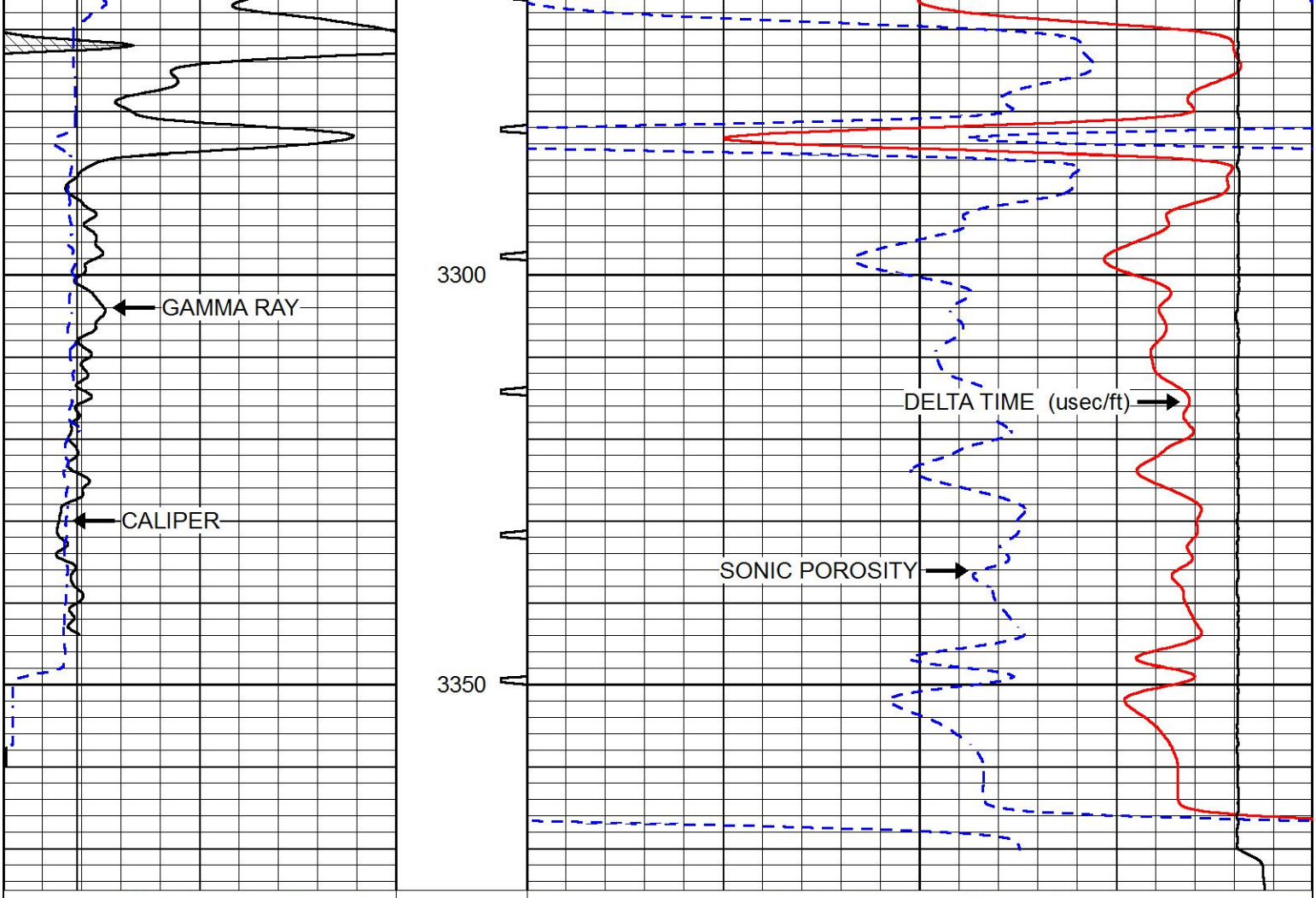

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6	BIT SIZE	16		15000	LINE TENSION (lb)	0

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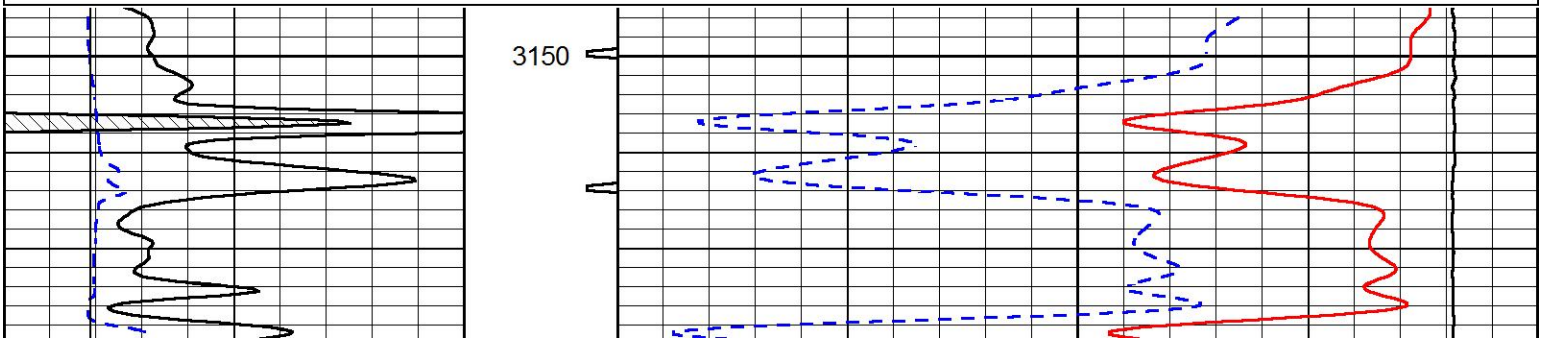
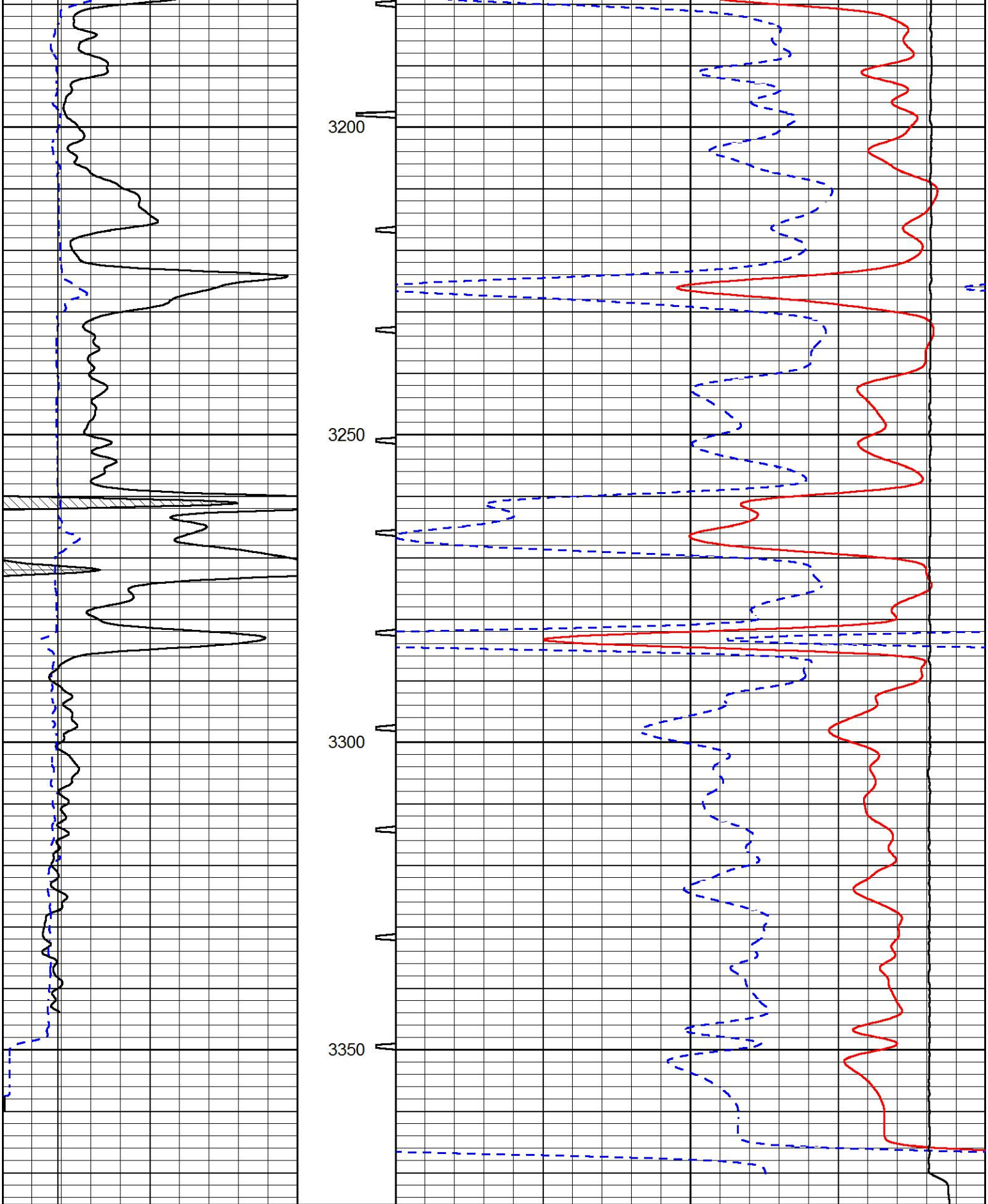
REPEAT SECTION

Database File	rjm_grossardt_3.db
Dataset Pathname	stack/pass2.1
Presentation Format	sonic
Dataset Creation	Fri Sep 15 04:32:30 2017
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	SONIC INT TRAVEL TIME (msec)	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16		30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16		15000	LINE TENSION (lb)	0





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