MIDWEST WIRELINE

BOREHOLE COMPENSATED SONIC LOG

Company Murfin Drilling Company, Inc.
Well Dorsch B #1-9
Field Wildcat
County Cheyenne State Kansas
Location: API #: 15-023-21553-00-00
990' FSL & 330' FWL
SEC 9 TWP 3S RGE 37W

Other Services: CNL/CDL, DIL/MEL

Elevation: K.B. 3436', D.F. N/A, G.L. 3431'

Permanent Datum: Ground Level, Elevation 3431'
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing

Date	6/24/2021					
Run Number	Two					
Type Log	BHCS					
Depth Driller	5100'					
Depth Logger	5100'					
Bottom Logged Interval	5071'					
Top Logged Interval	350'					
Type Fluid In Hole	Chemical					
Salinity, PPM CL	1100					
Density	9.1					
Level	Full					
Max. Rec. Temp. F	127					
Operating Rig Time	6 Hours					
Equipment -- Location	P-108 | HAYS					
Recorded By	D. Schmidt					
Witnessed By	Robert Hendrix					

Borehole Record

Run No.	Bit	From	To
One	12.25"	0'	389'
Two	7.875"	389'	TD

Casing Record

Size	Wgt.	From	To
8.625"	23#	0'	389'

<<< Fold Here >>>

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

Bird City,
East to 31 Rd, 3 North,
East into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: D. Schmidt	Primary Witness: Robert Hendrix
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			GR-M&W (89-M&W)	3.00	3.50	50.00
GR	40.58					
CNLSC	37.48		CNT-M&W (tk10-MW)	5.50	3.50	100.00
CNSSC	36.73					
			CDL-M&W (915-956)	8.50	4.00	250.00
LSD	28.43					
DCAL	28.42					
SSD	27.93					
			ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00
MCAL	19.83					
MI	19.83					
MN	19.83					
RLL3F	15.80					
RLL3	15.80					
			DIL-PSI HIGH TEMP (959-1032)	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					

Dataset:	murfin_dorsch b 1-9.db: field/well/stkml/pass4.7
Total length:	43.08 ft
Total weight:	685.00 lb
O.D.:	4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\murfin_dorsch b 1-9.db
Dataset field/well/stkml/pass4.7/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	127	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	355	80	Off	5100

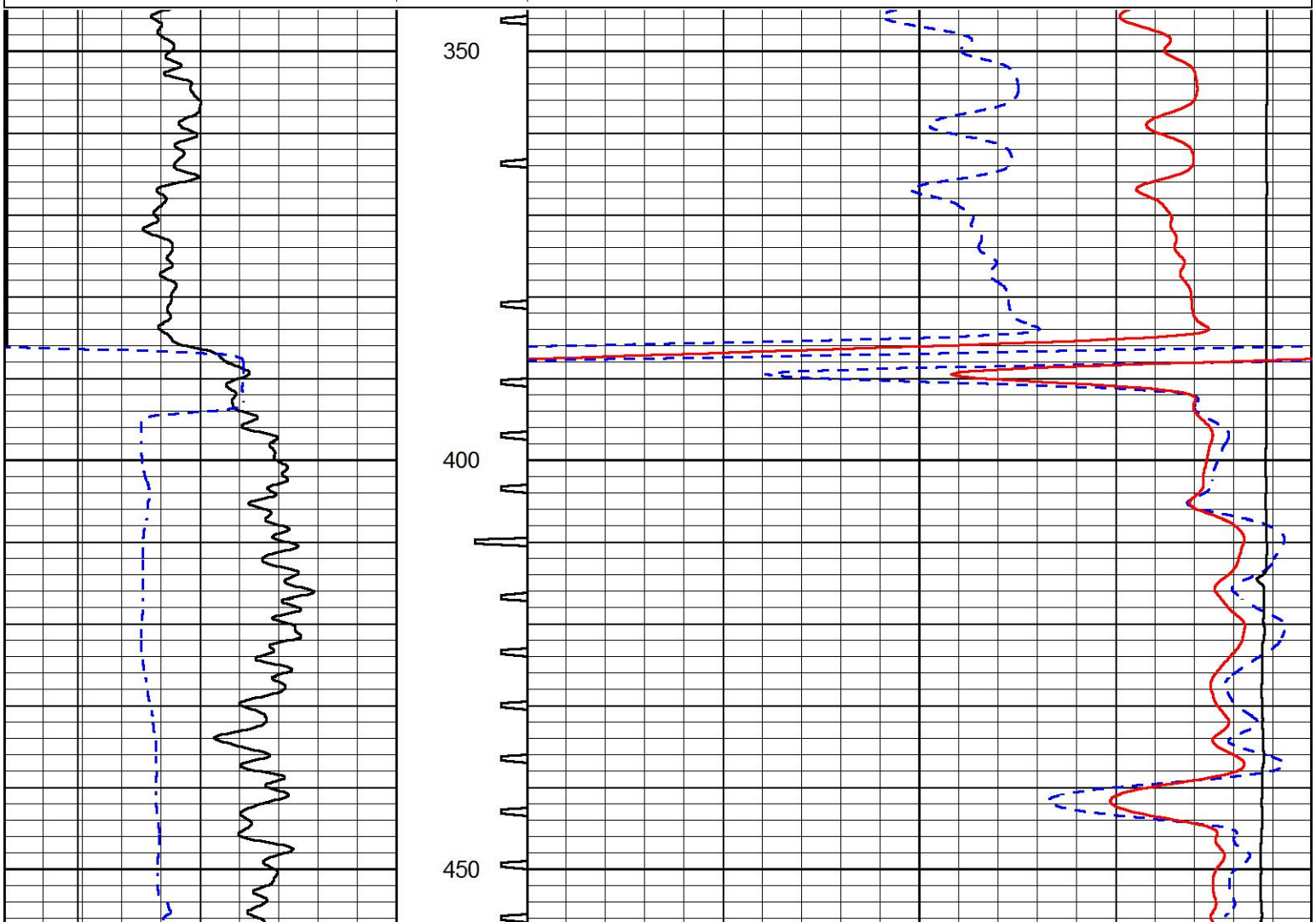
MIDWEST WIRELINE

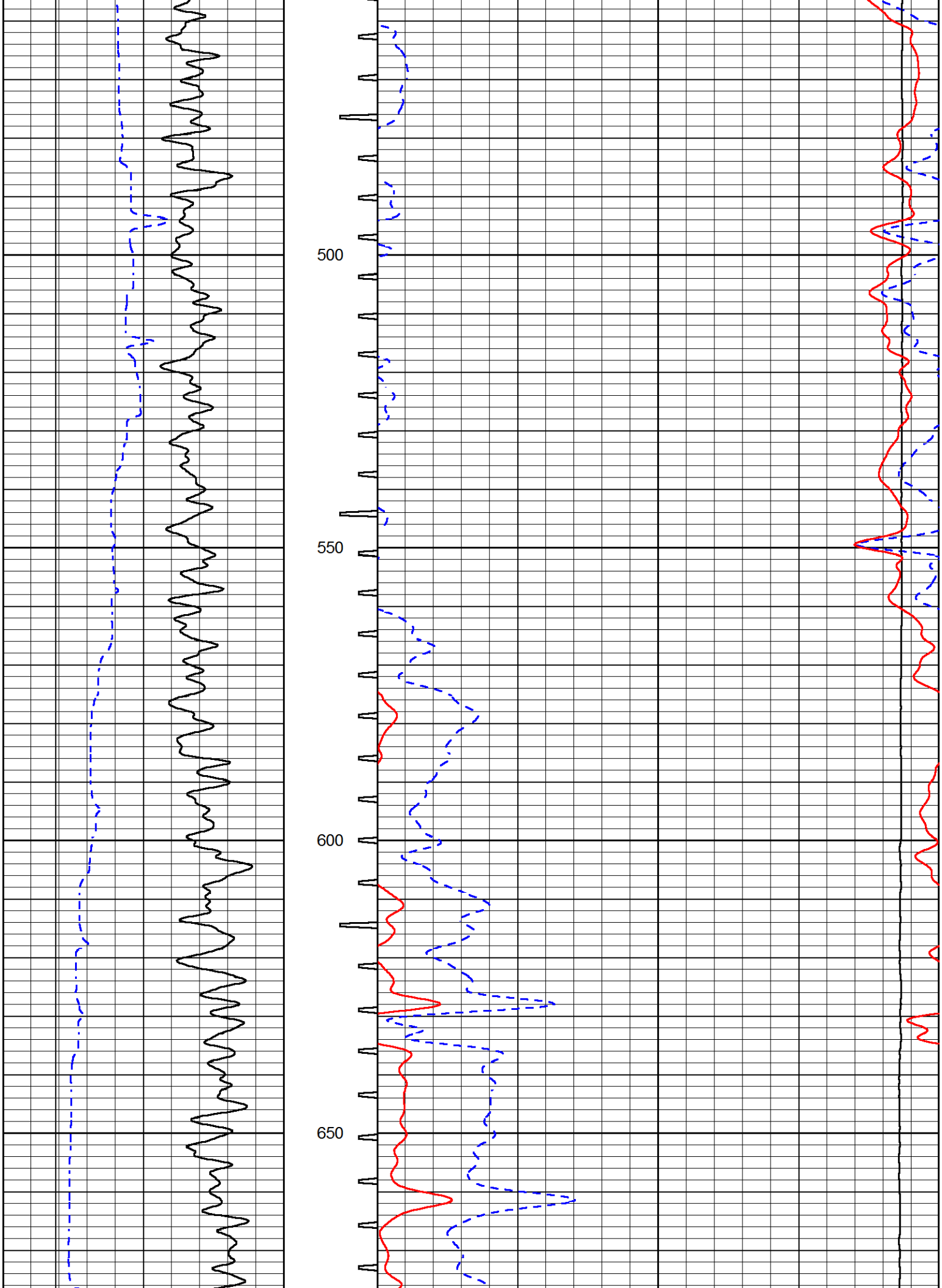
DETAIL SECTION

MAIN PASS

Database File	murfin_dorsch b 1-9.db
Dataset Pathname	stkml/pass9.1
Presentation Format	sonic
Dataset Creation	Fri Jun 25 01:37:15 2021
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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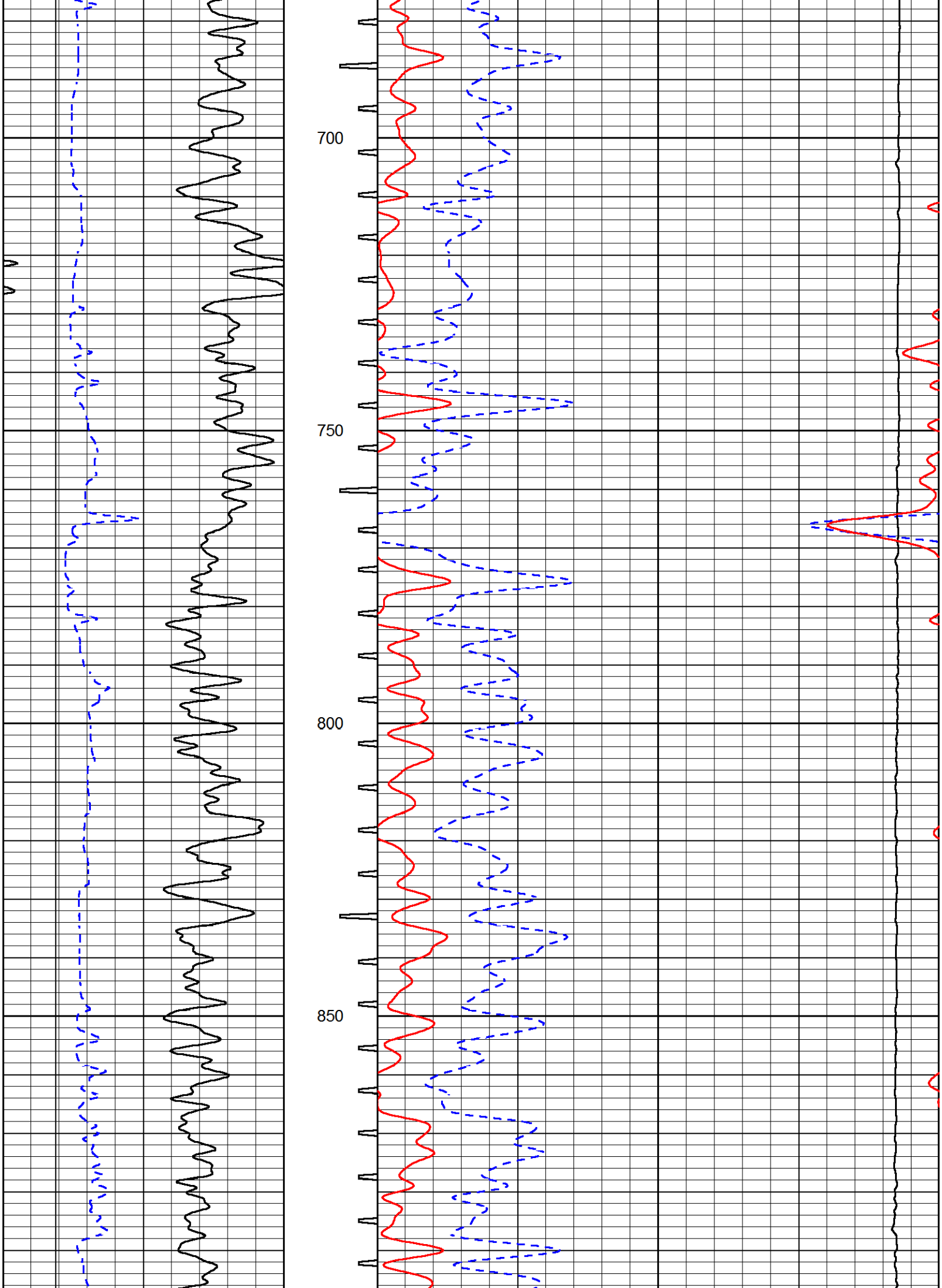
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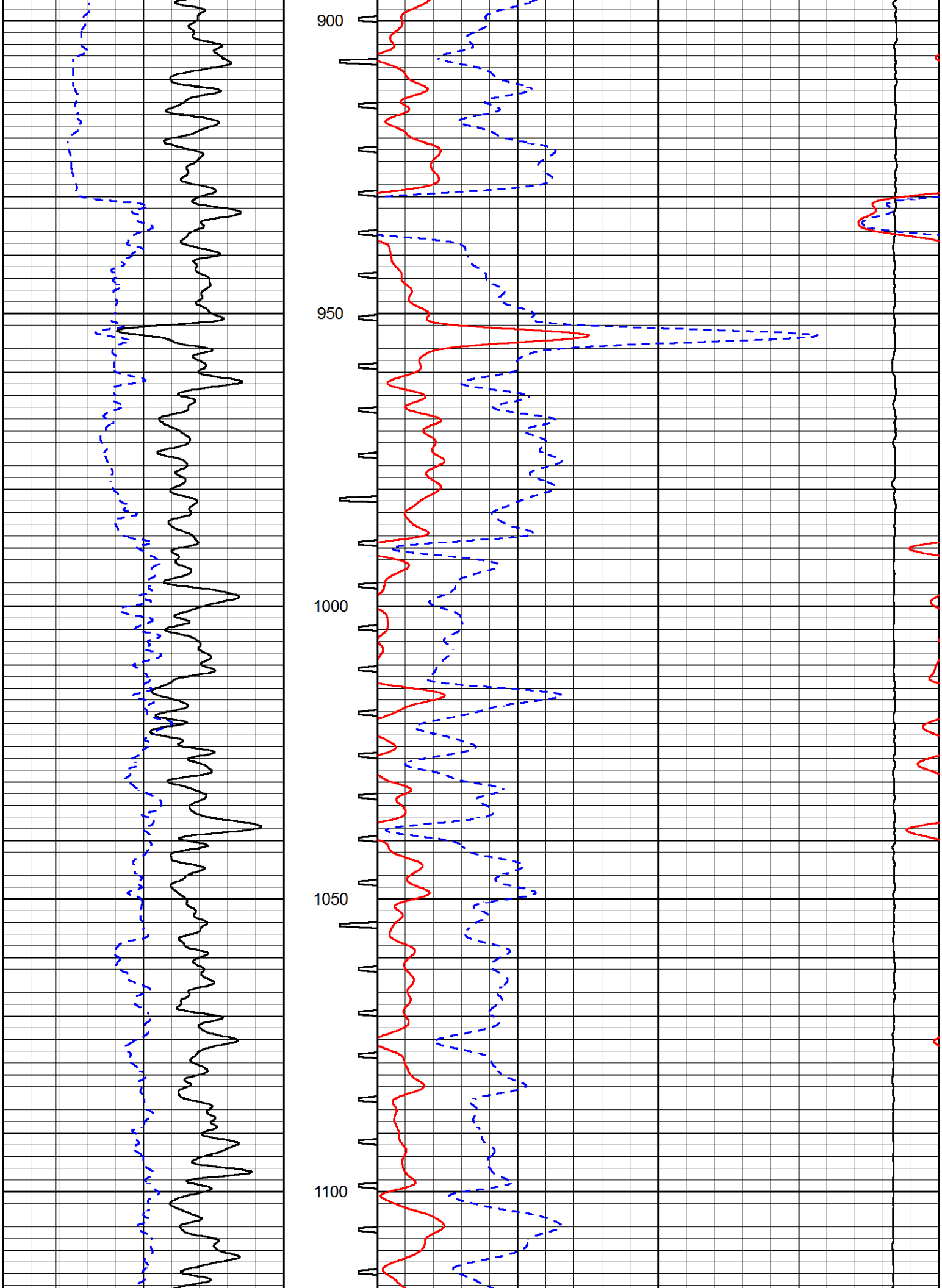
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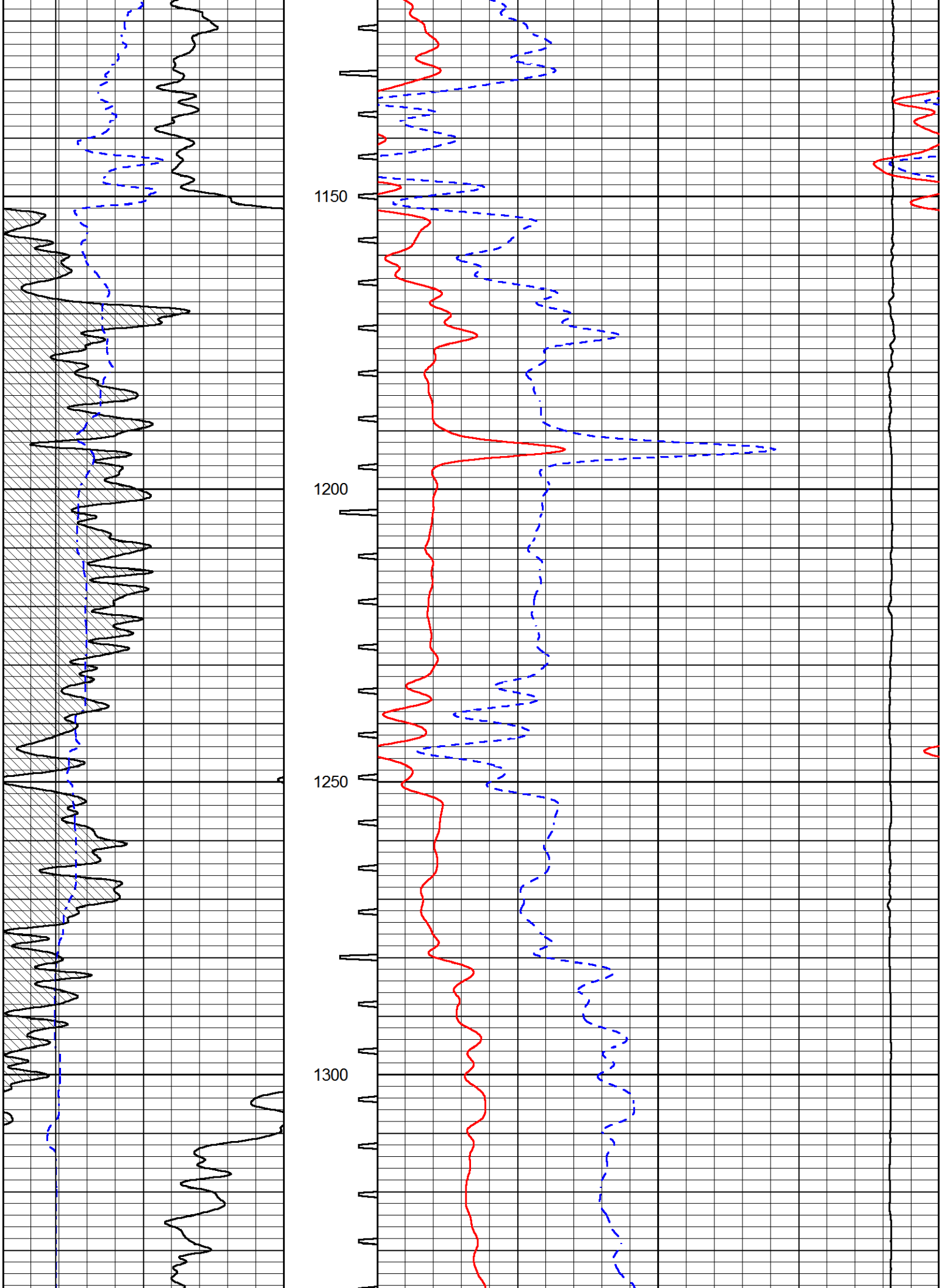
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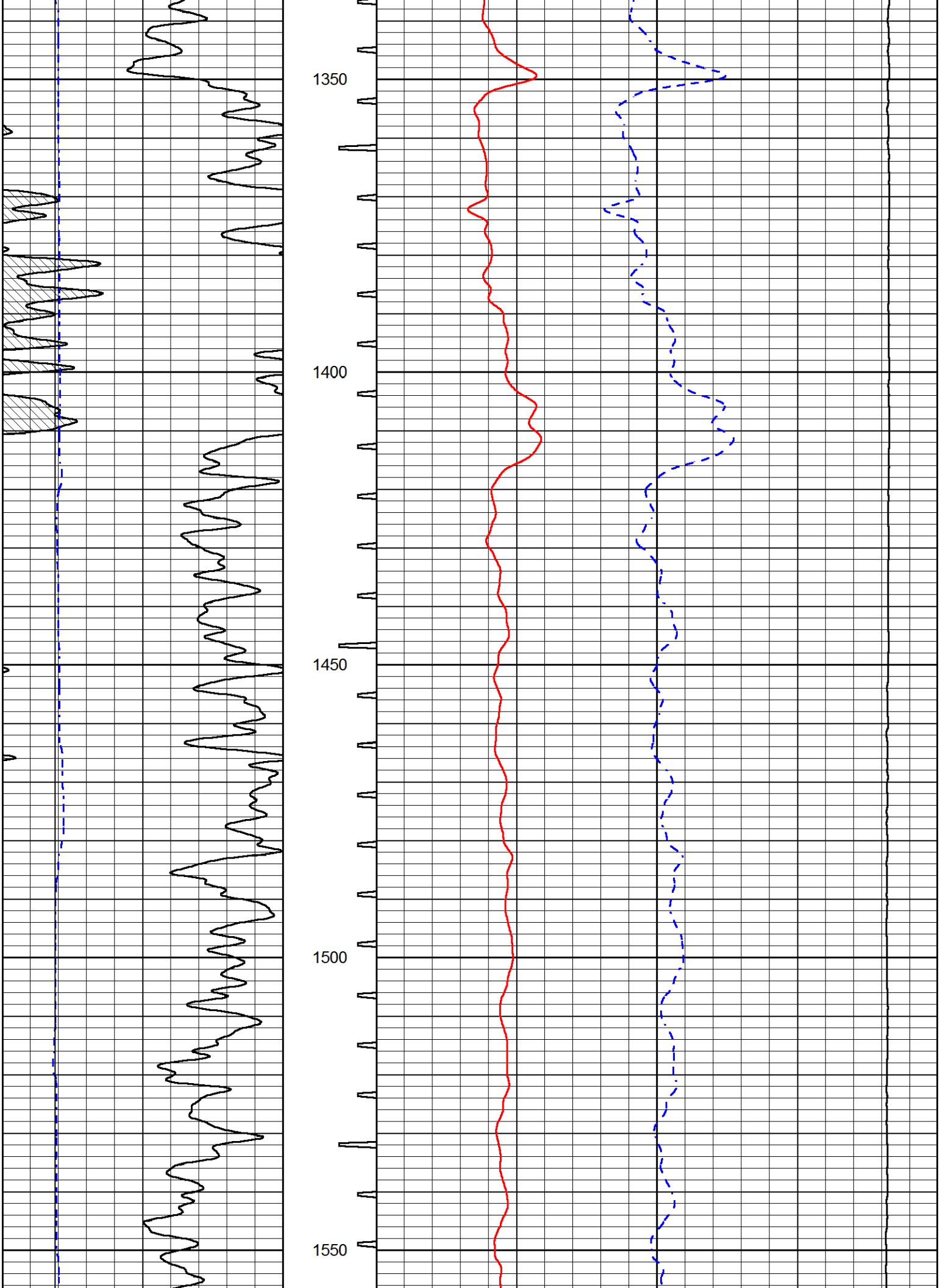
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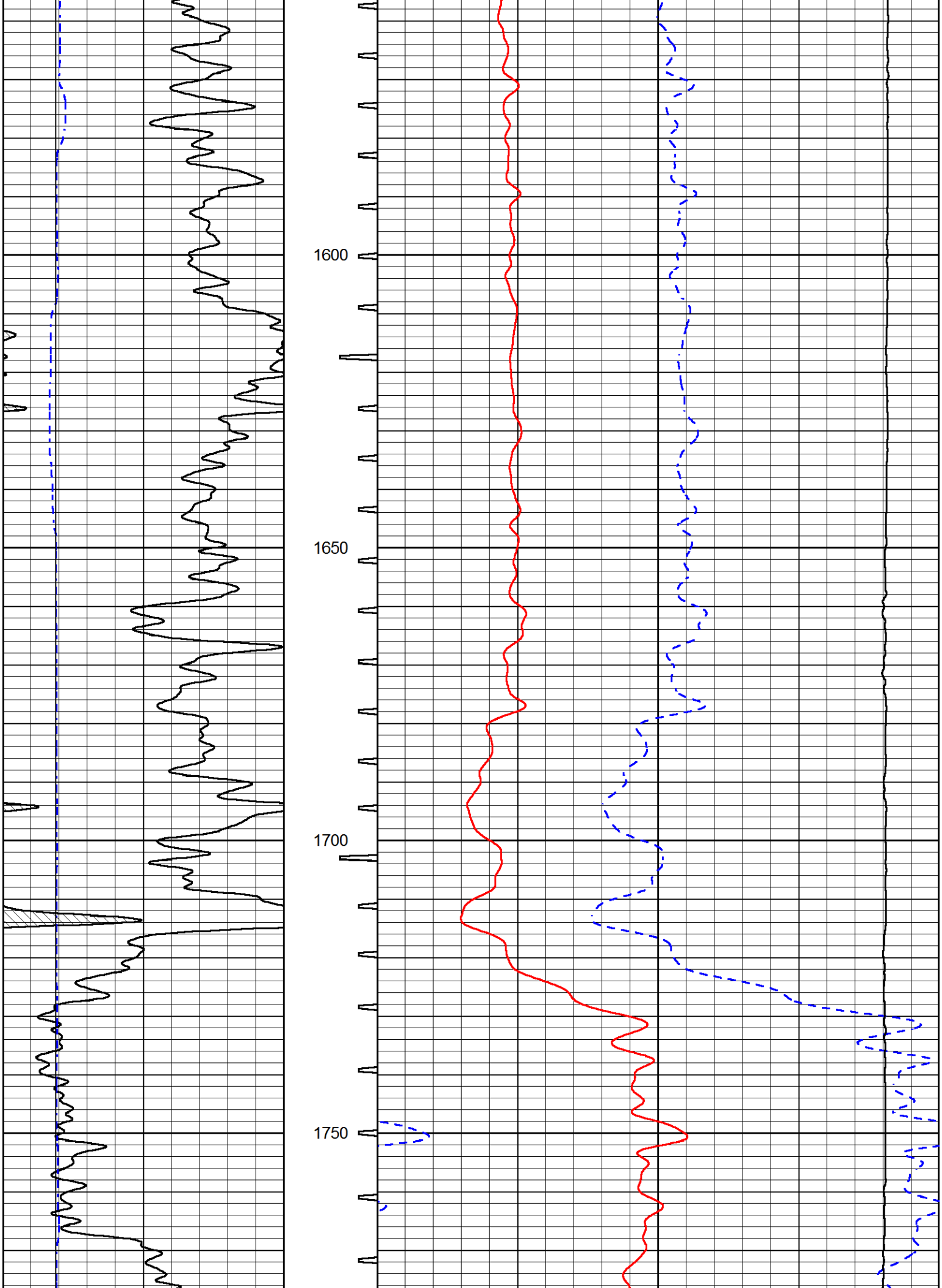
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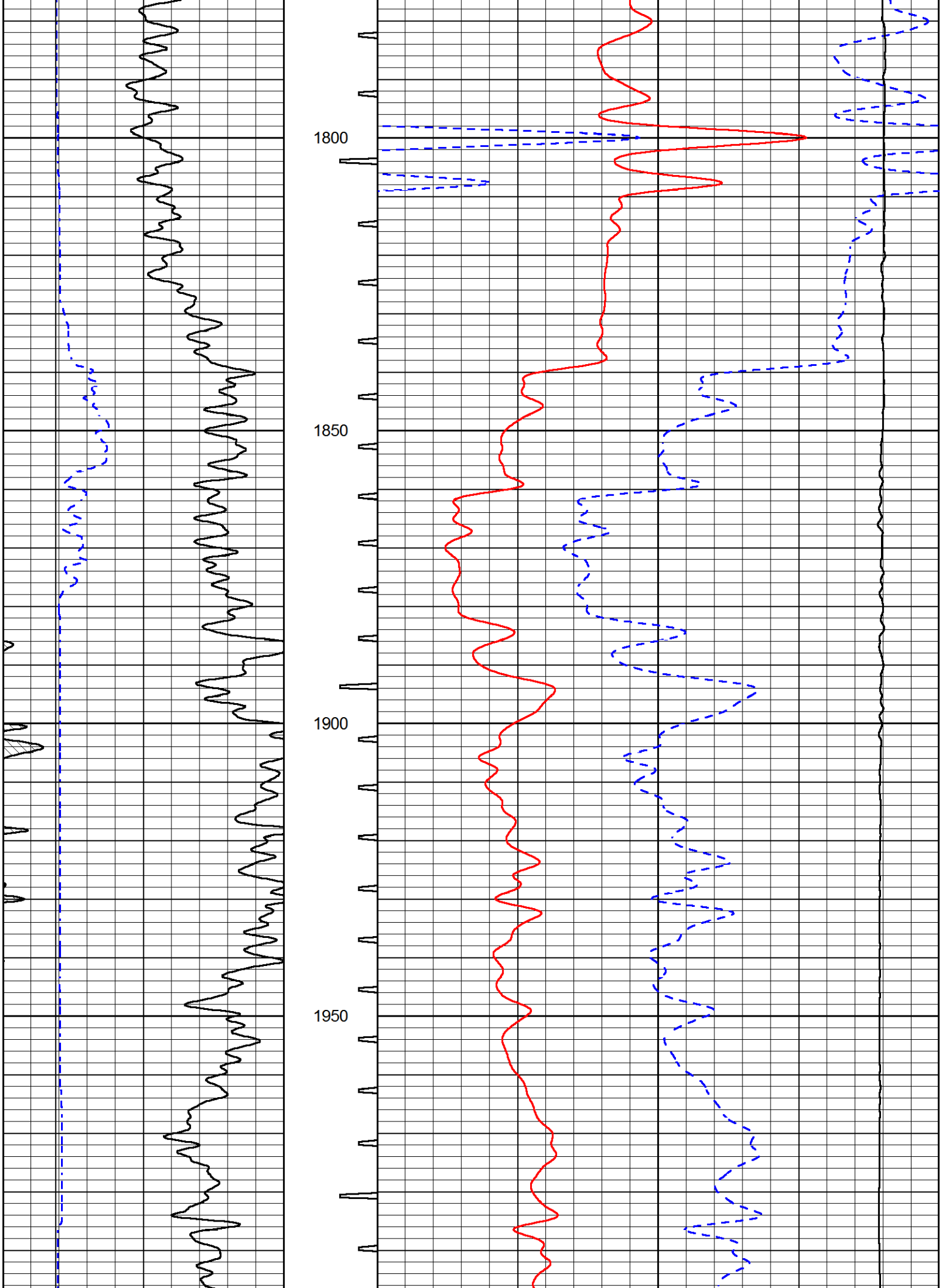
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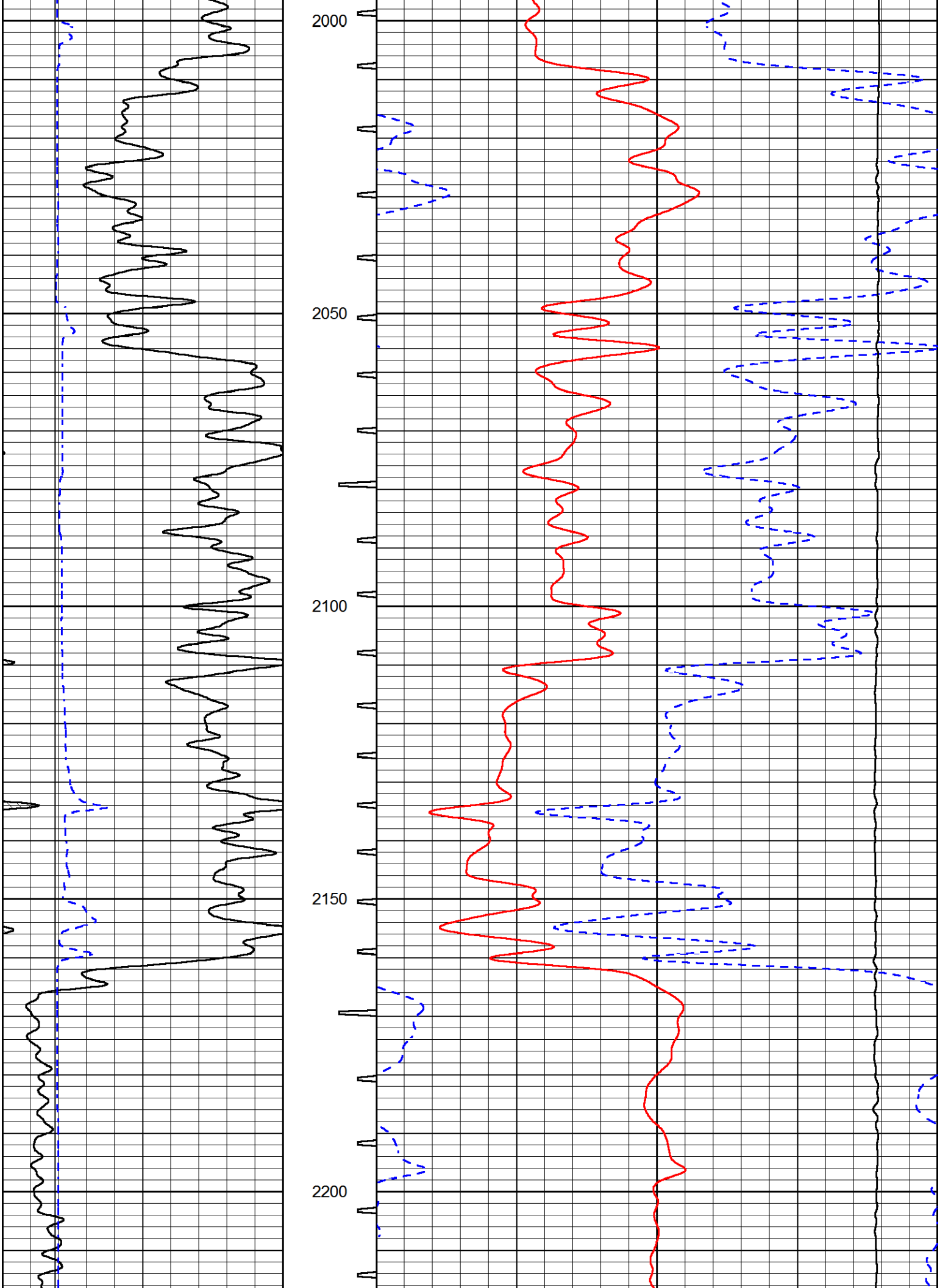
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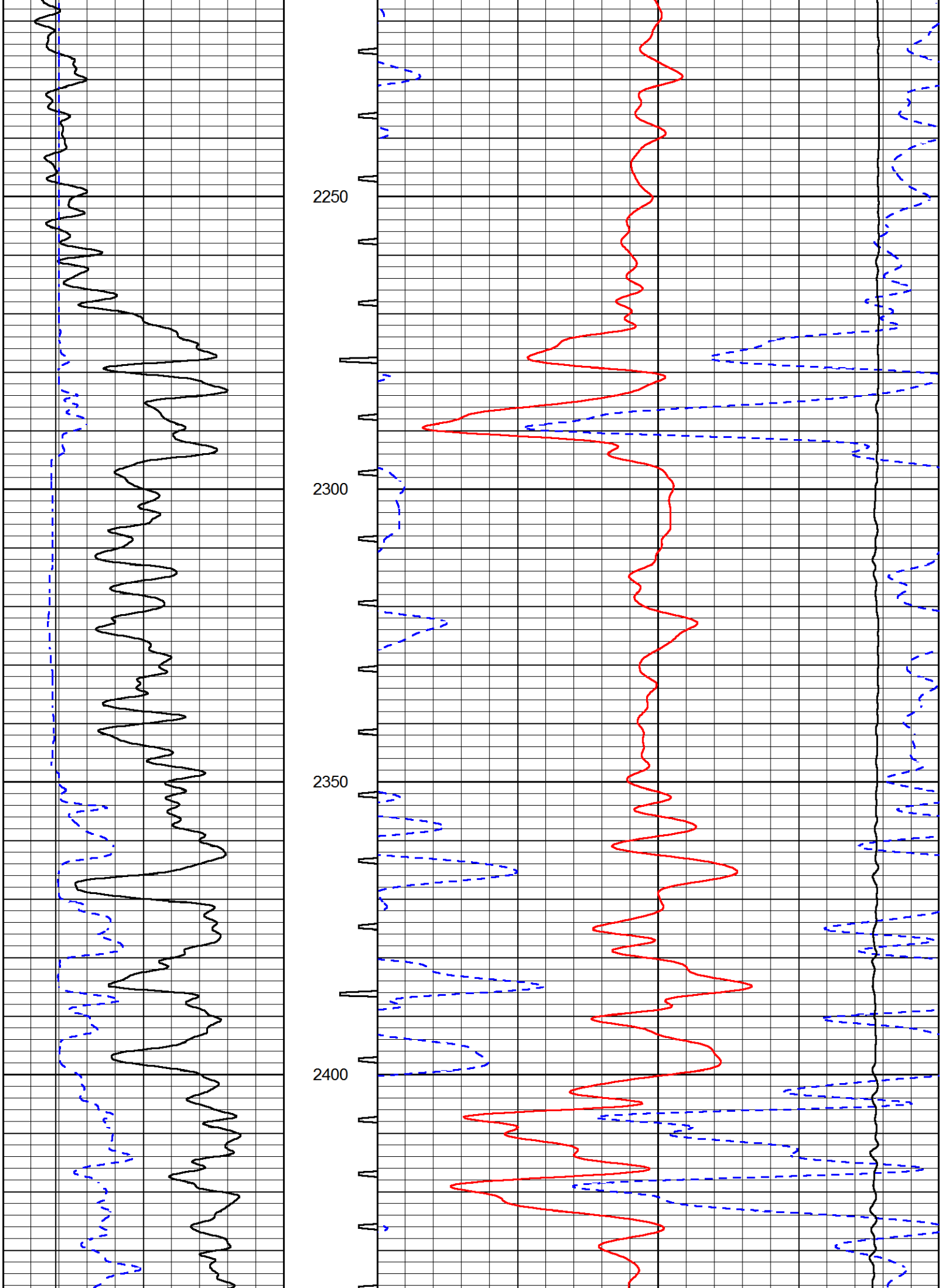
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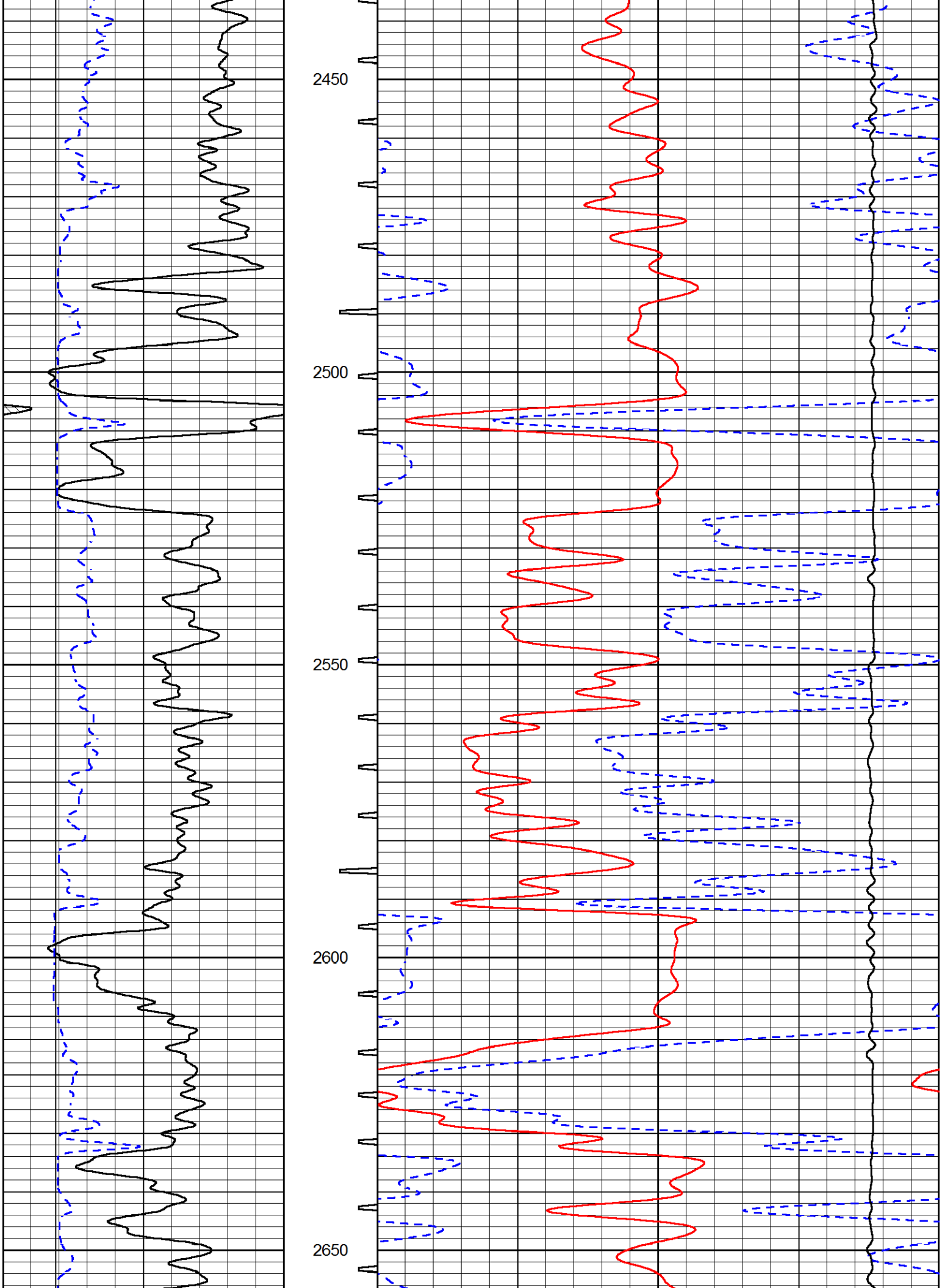
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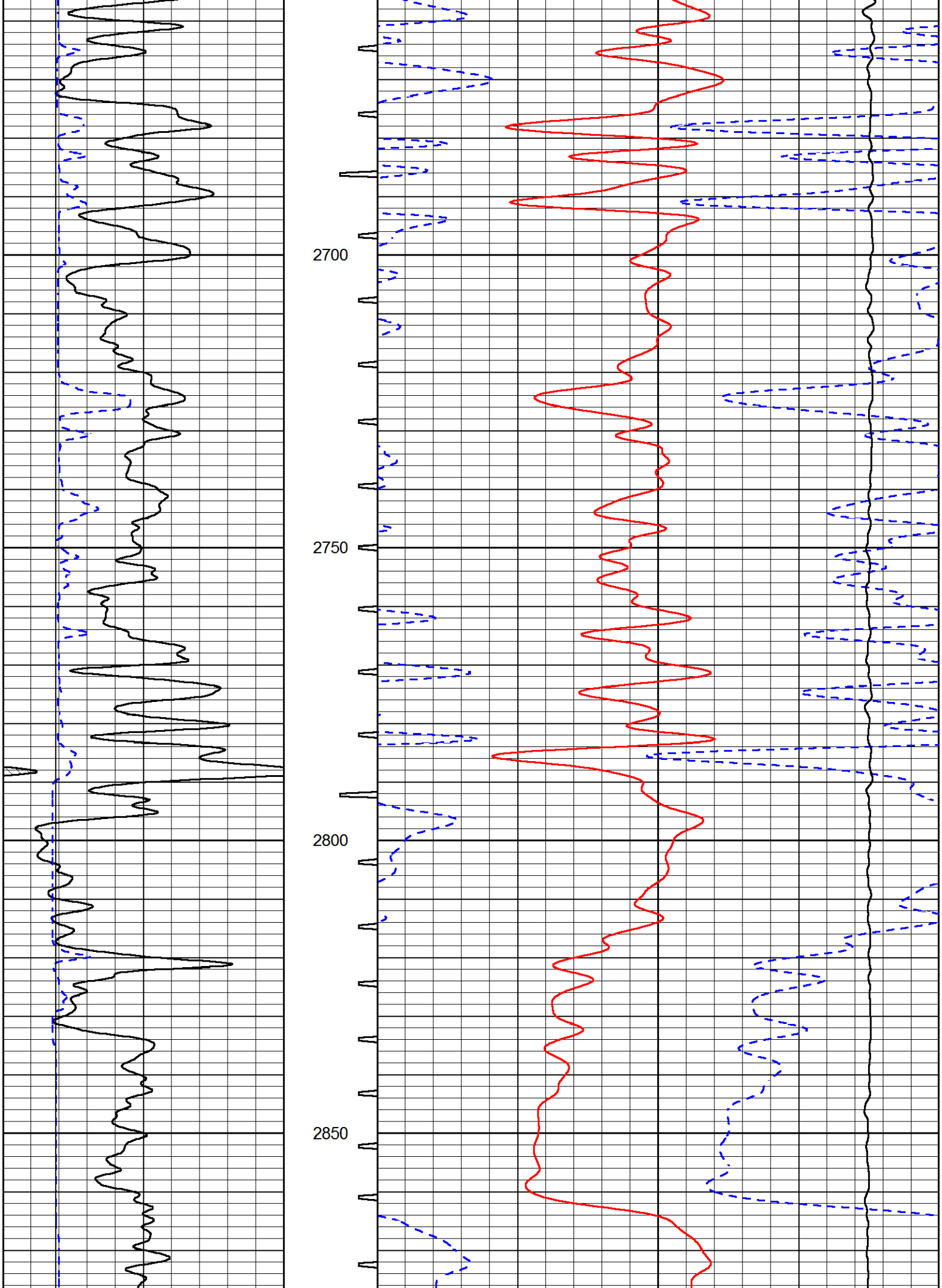
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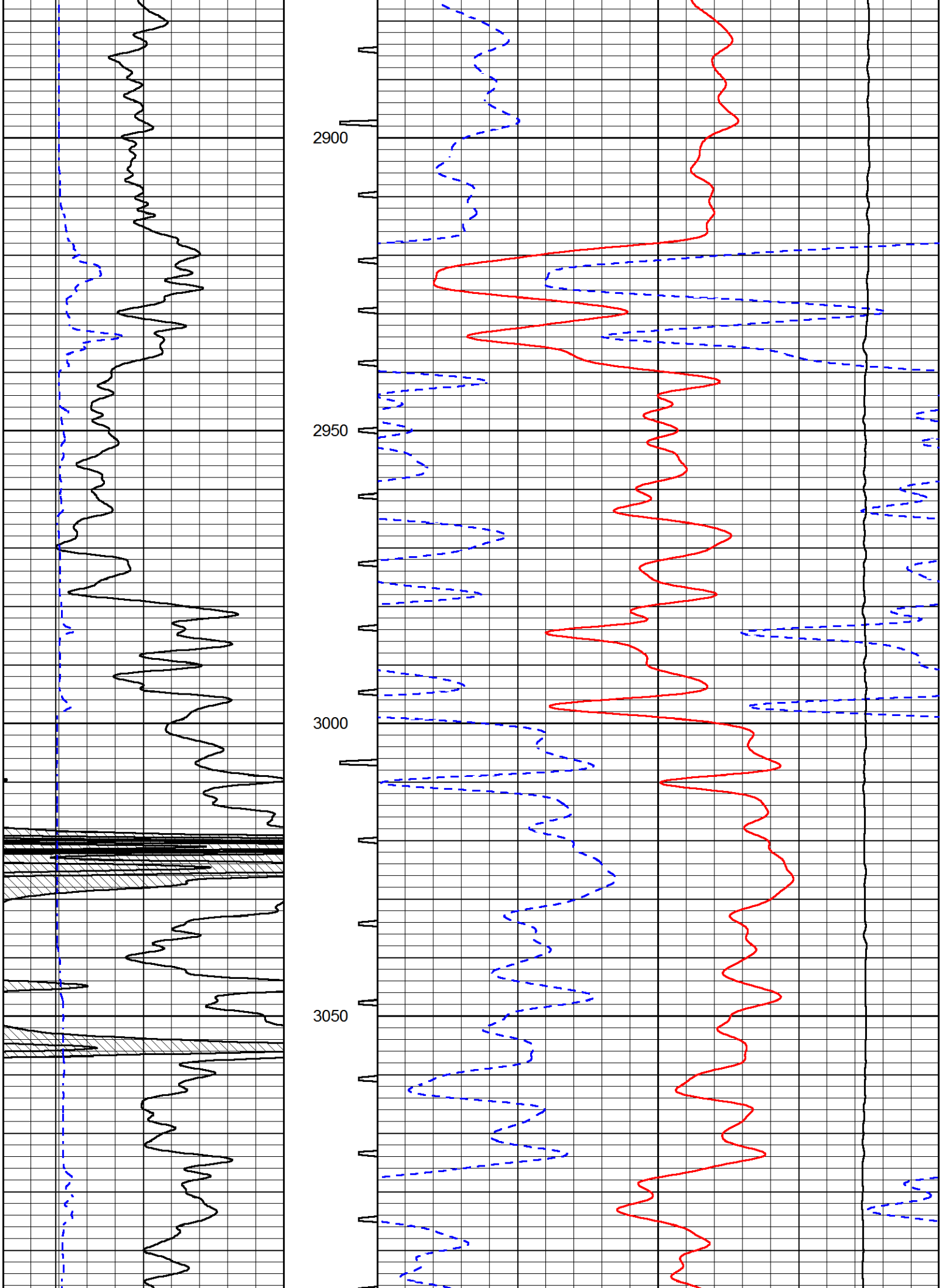
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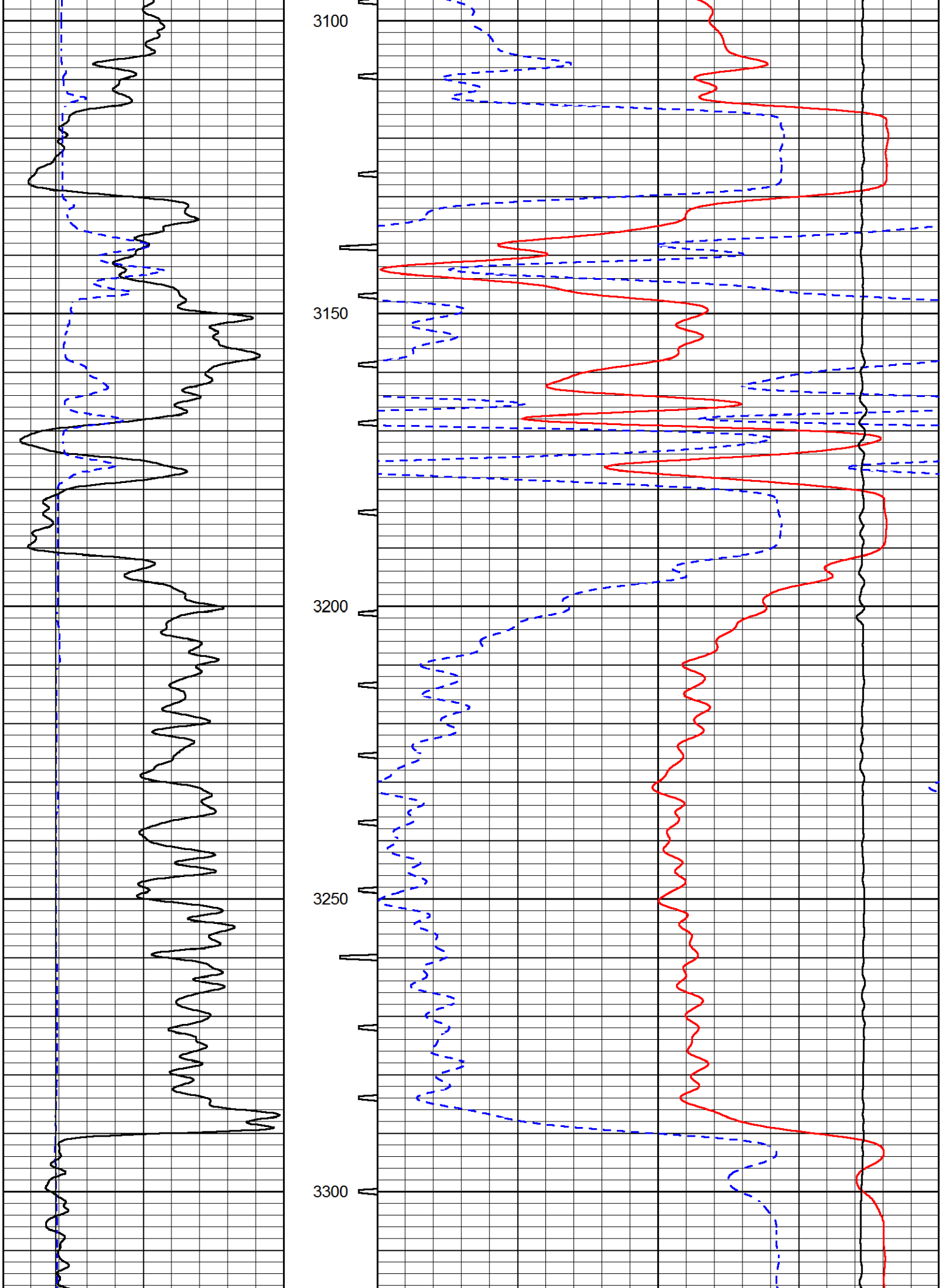
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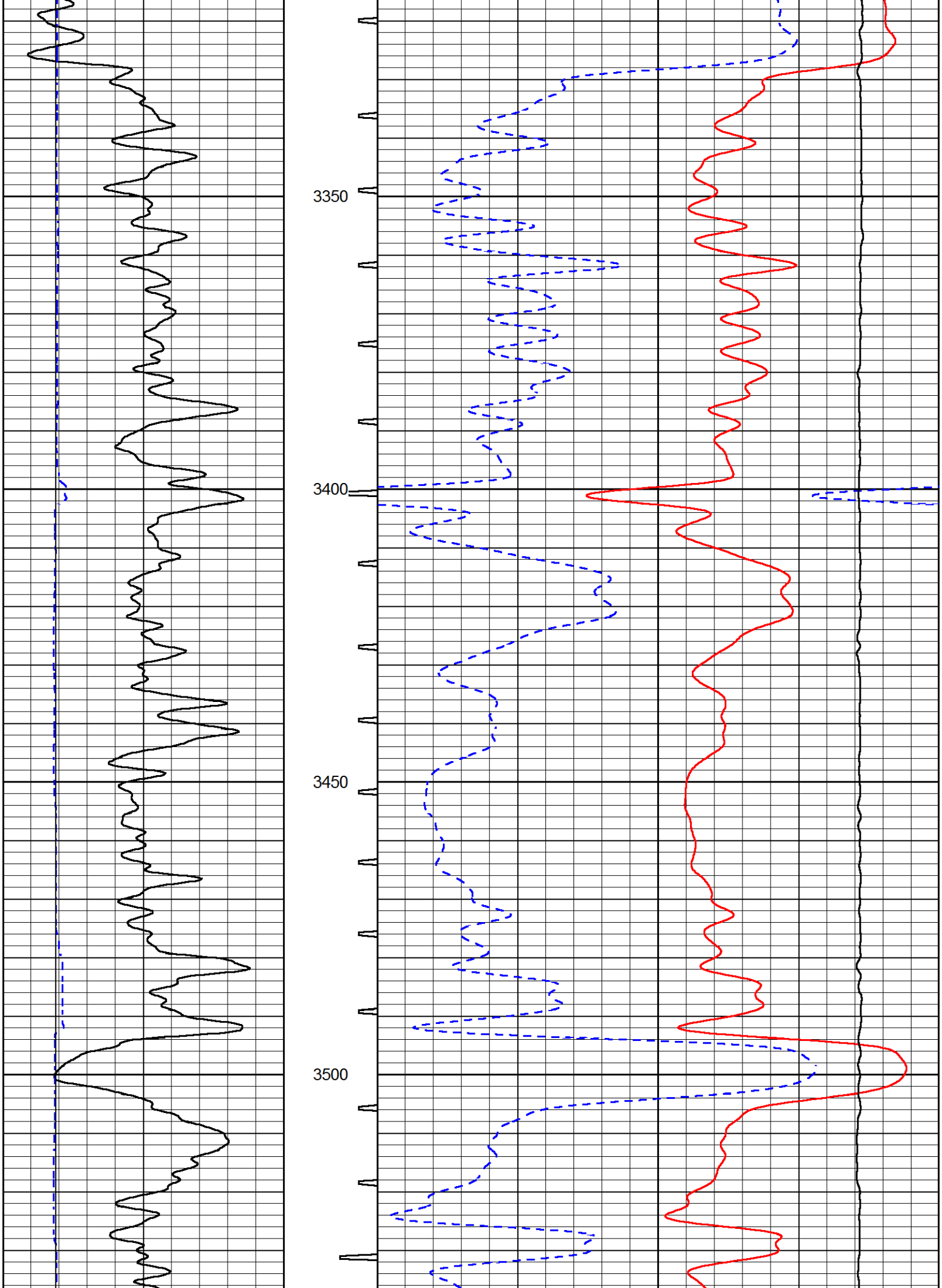
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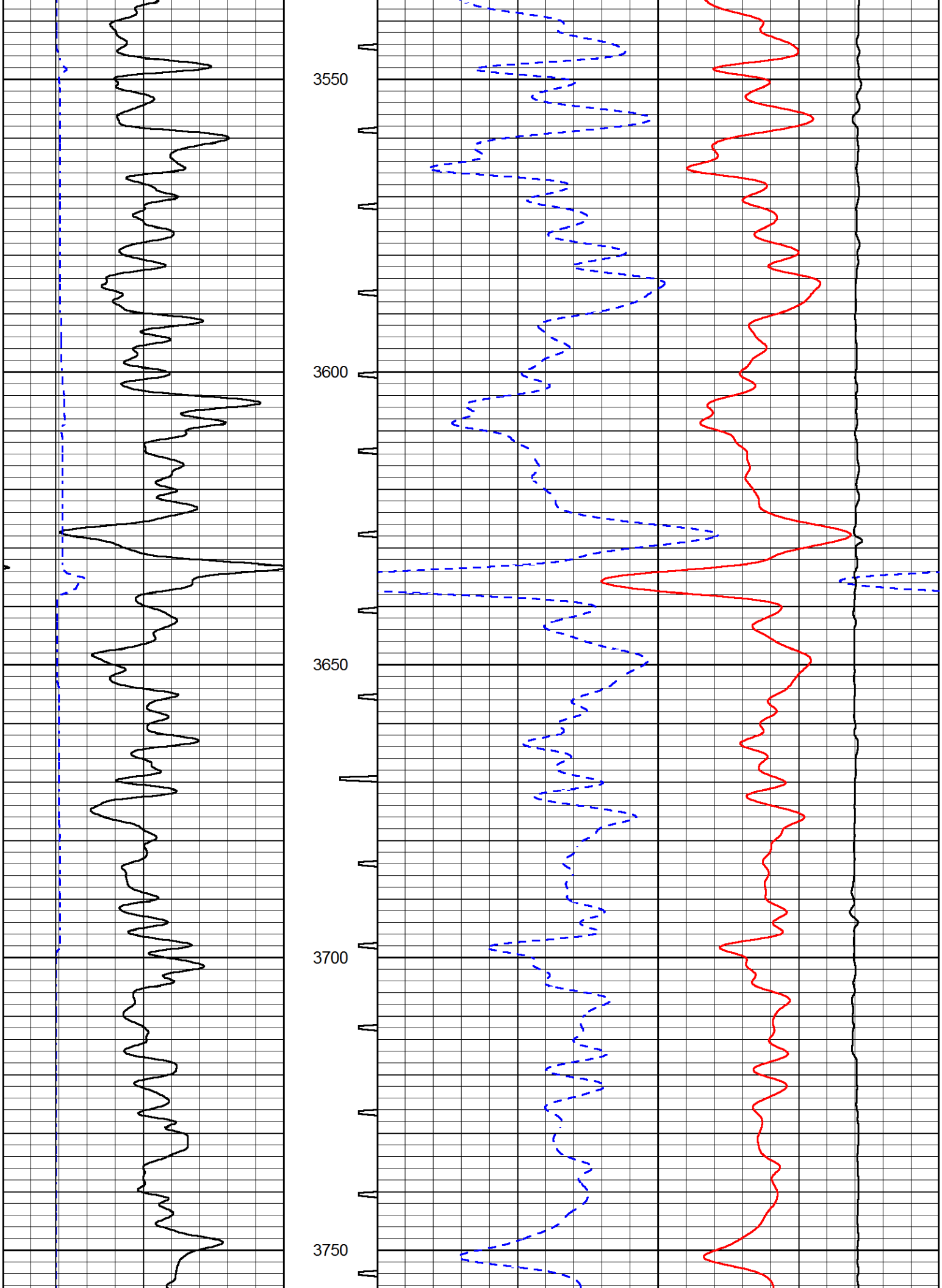
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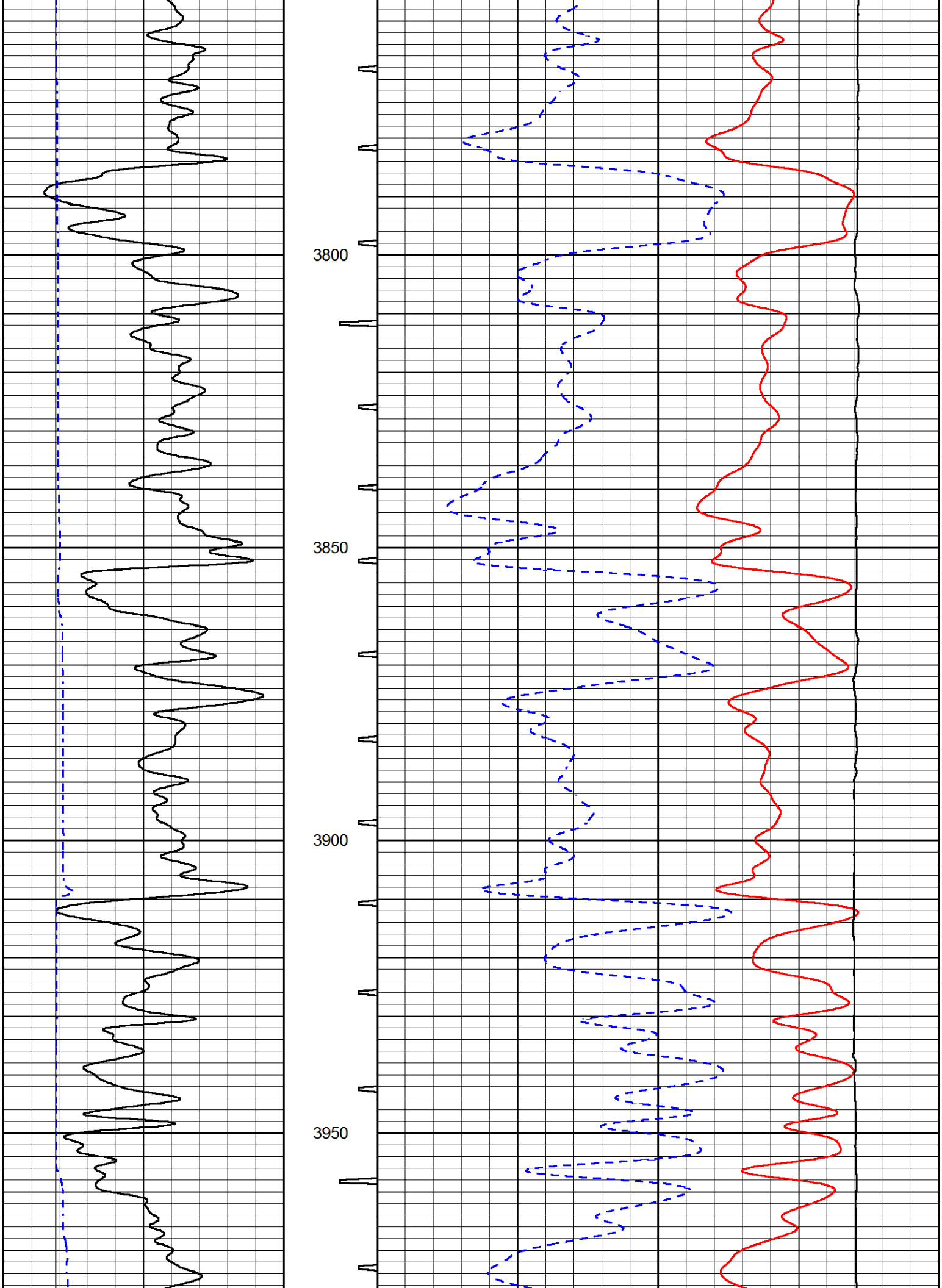
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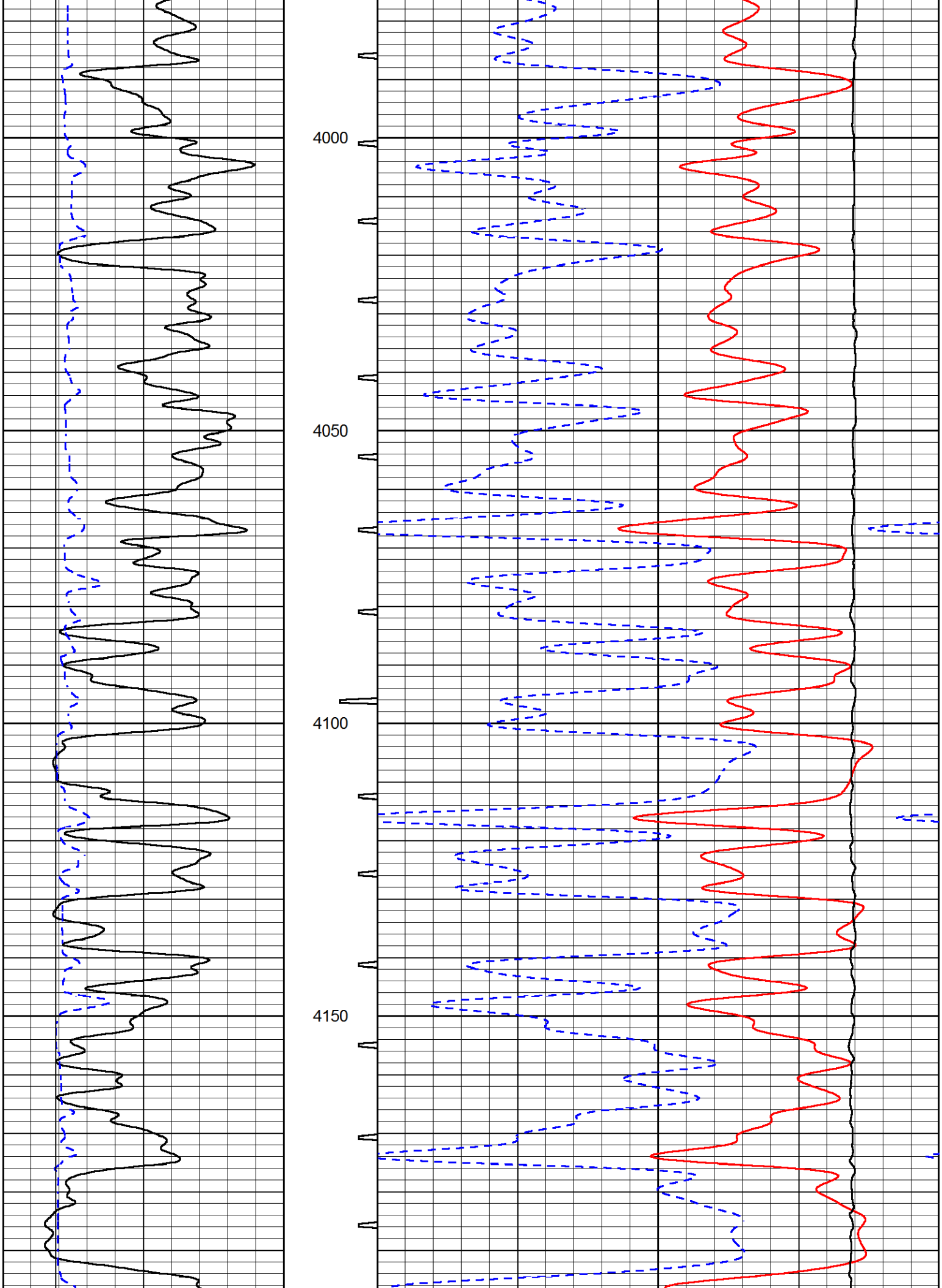
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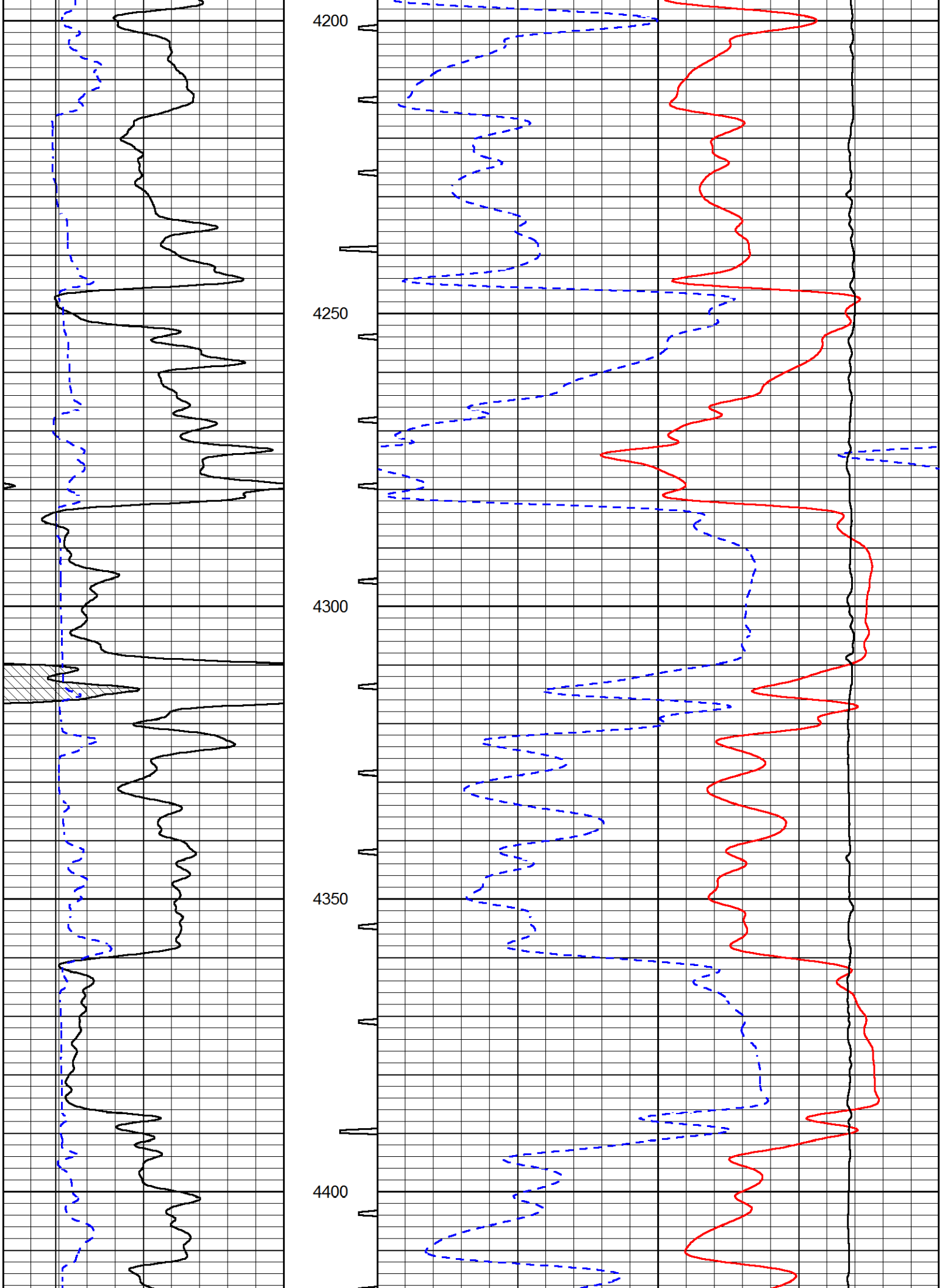
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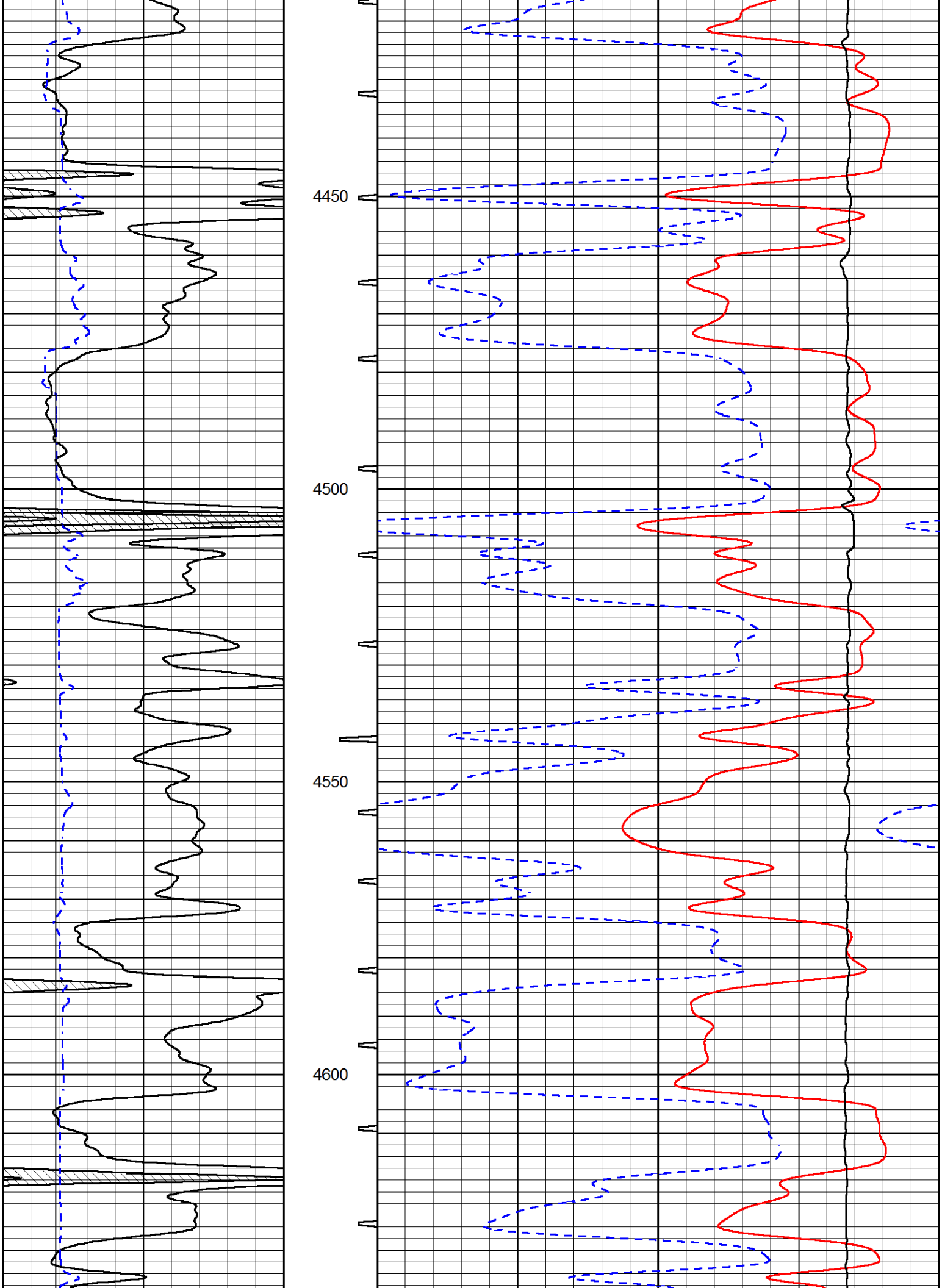
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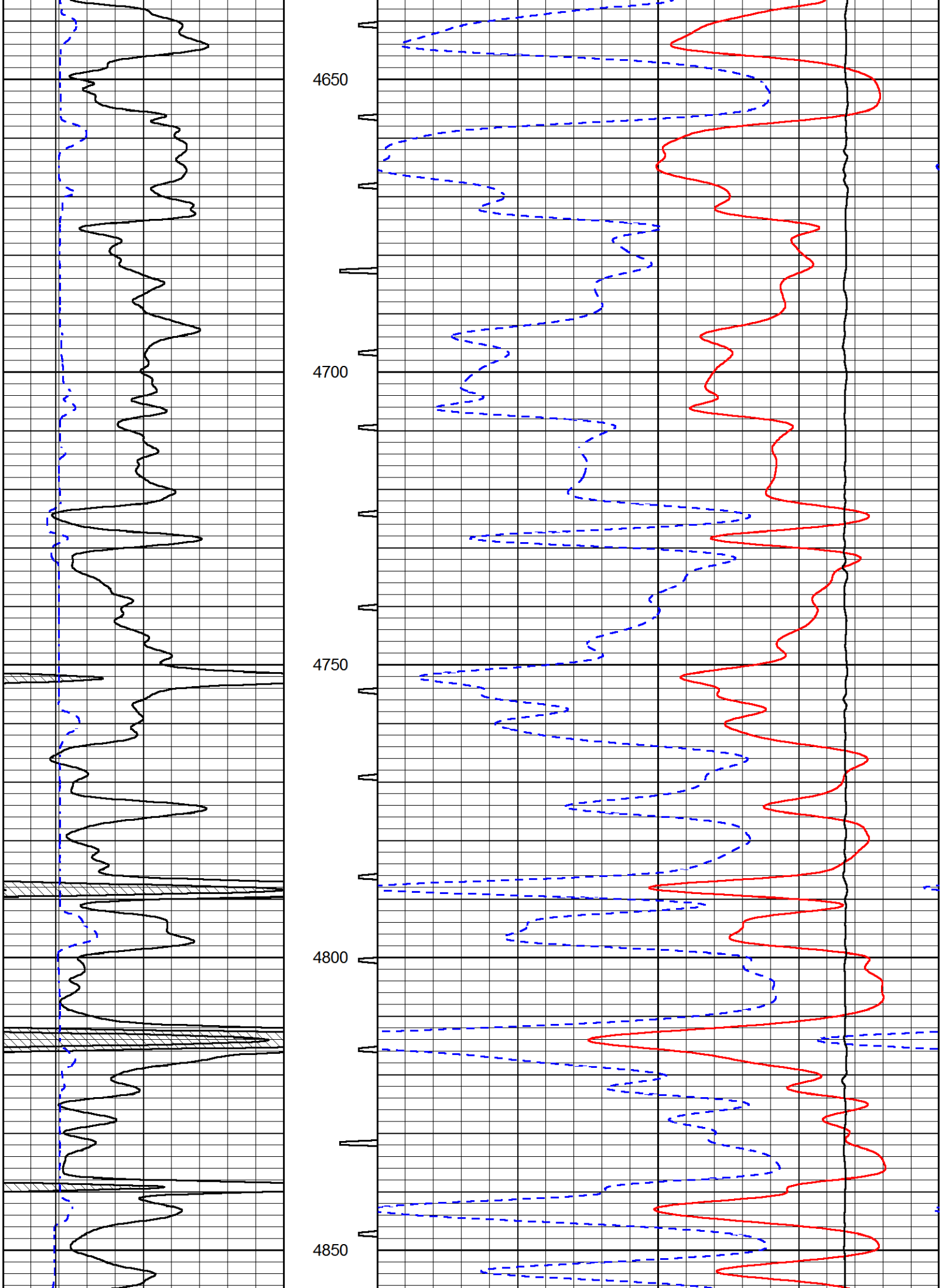
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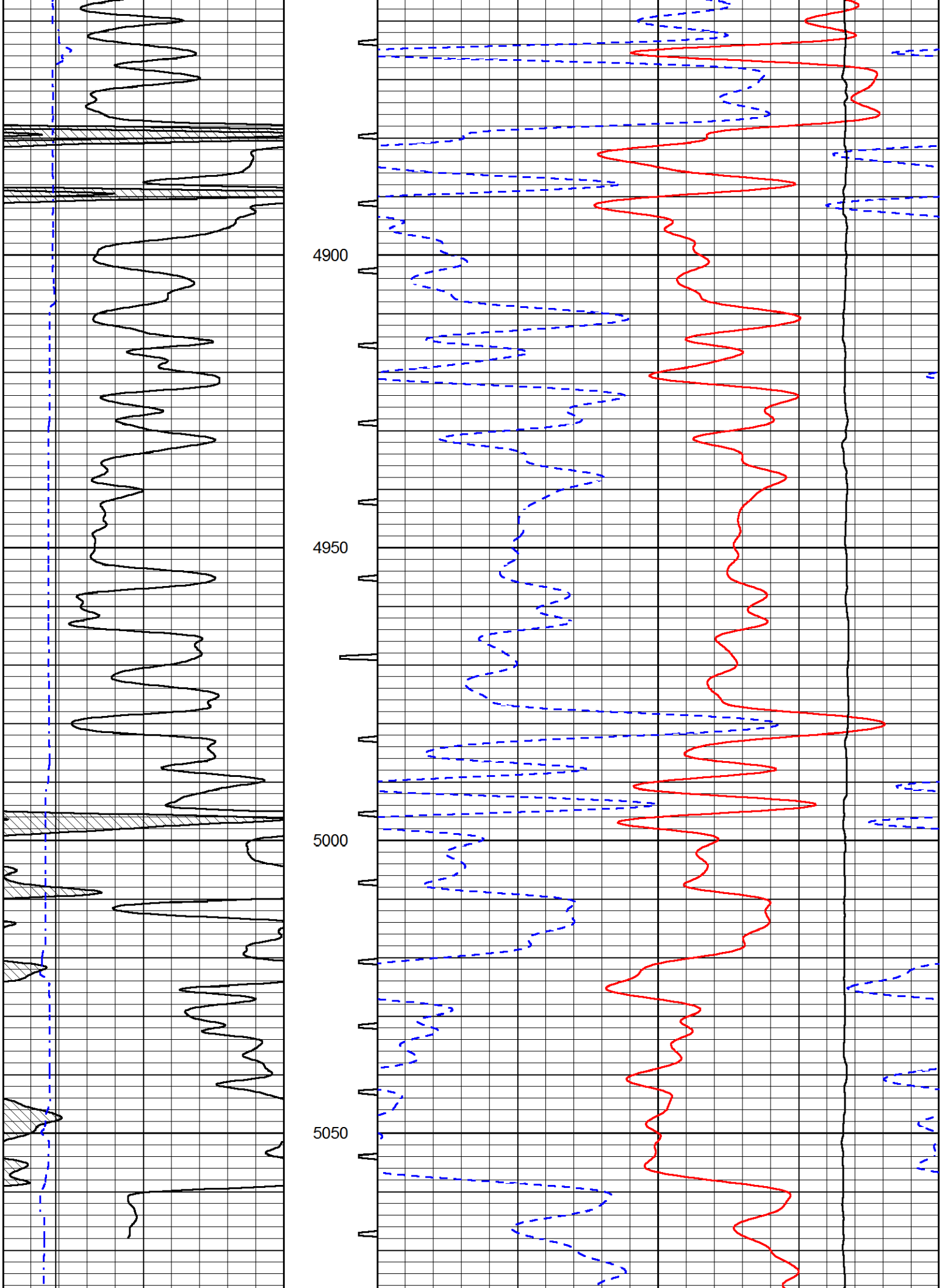
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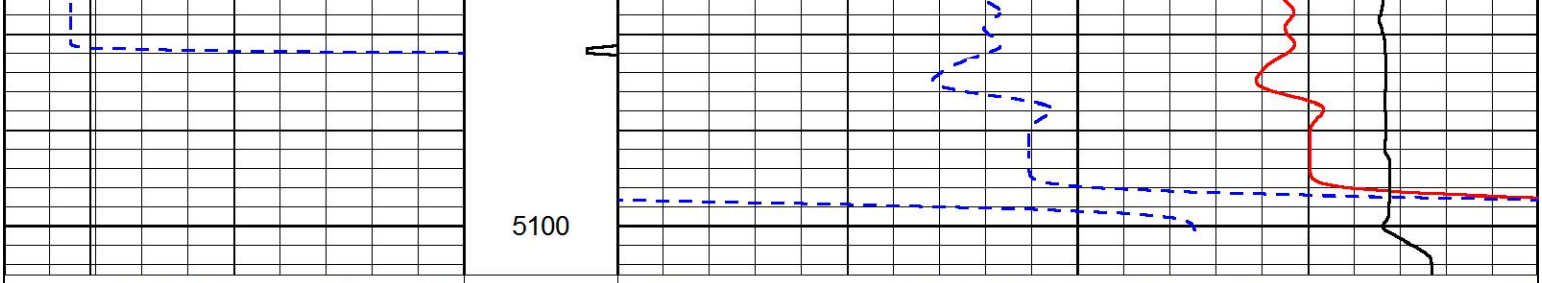

0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File	murfin_dorsch b 1-9.db
Dataset Pathname	stkml/pass2.1
Presentation Format	sonic
Dataset Creation	Fri Jun 25 00:04:41 2021
Charted by	Depth in Feet scaled 1:240

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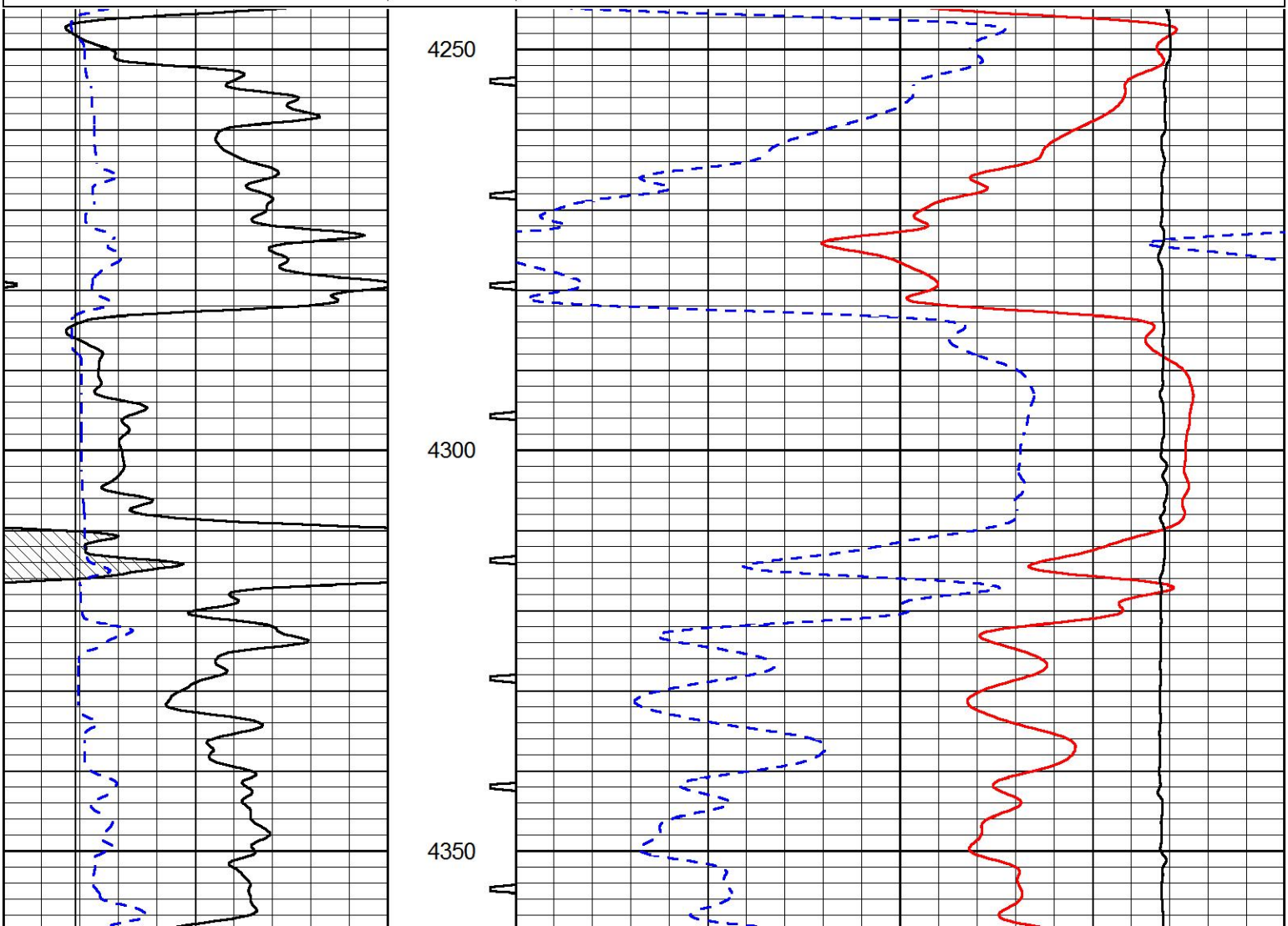
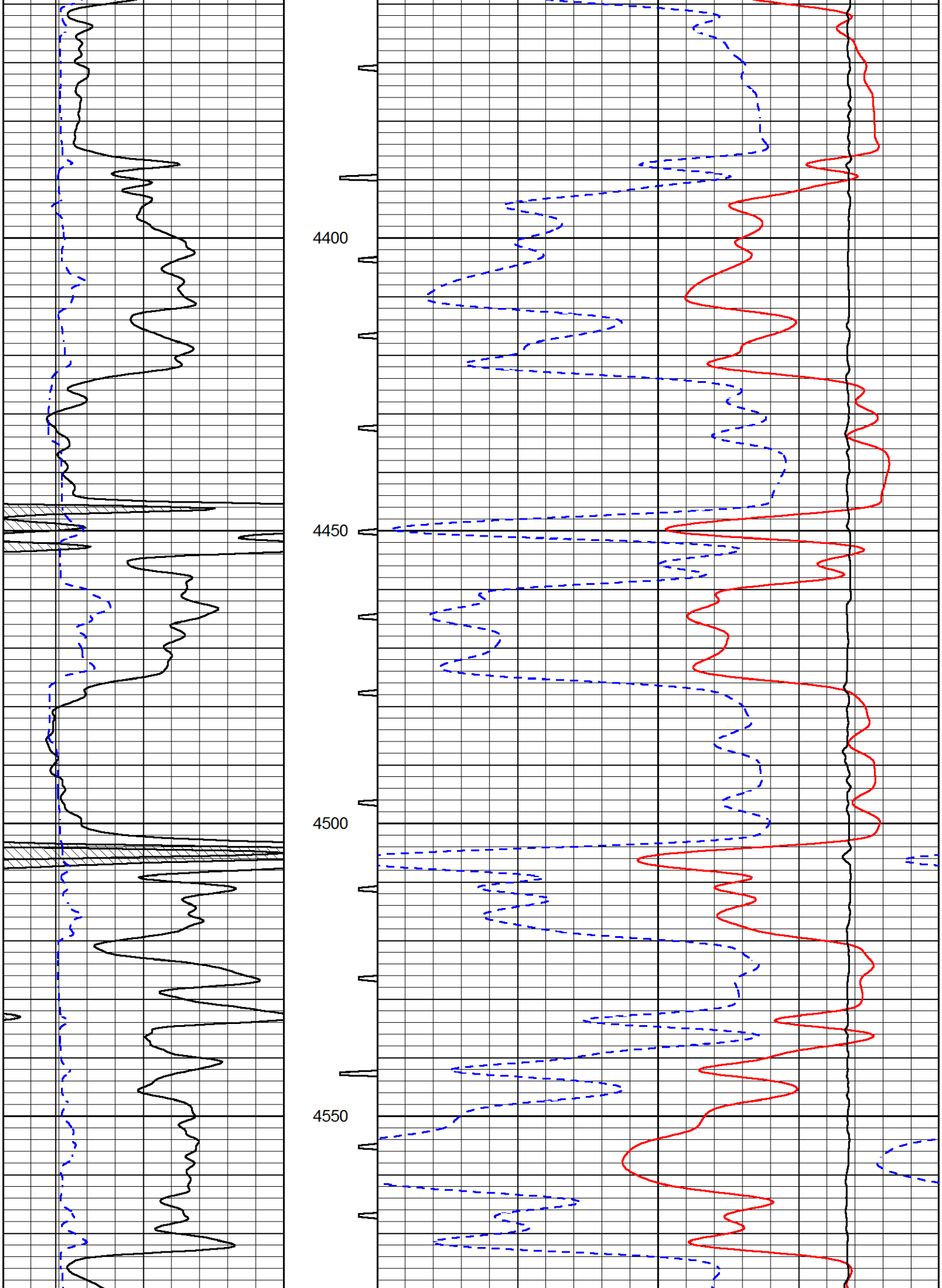
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

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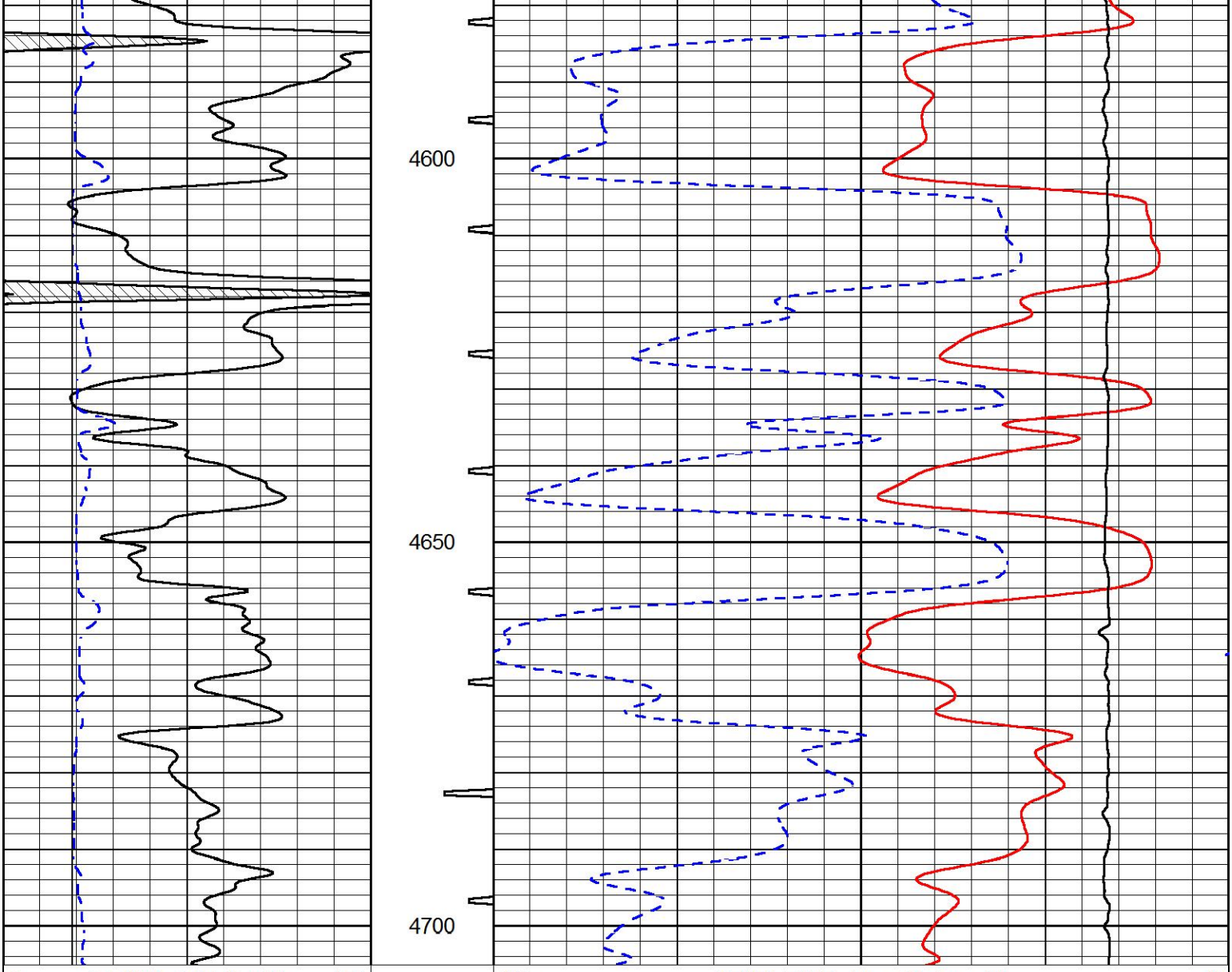

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6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu) -10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb) 0

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Well	Dorsch B #1-9
Field	Wildcat
County	Cheyenne
State	Kansas