MIDWEST WIRELINE

MICRORESISTIVITY LOG

Company Charles N. Griffin
Well Riley #1X
Field Moffett
County Barber
State Kansas

Location: API # : 15-007-24425-00-00
NW NW NW SE
2445 FSL & 2555 FEL
SEC 9 TWP 30S RGE 15W

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 1982
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 1987
D.F.
G.L. 1982

Date	5/26/2022		
Run Number	One		
Depth Driller	4834		
Depth Logger	4834		
Bottom Logged Interval	4833		
Top Log Interval	2800		
Casing Driller	8.625 @ 263		
Casing Logger			
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	7000		
Density / Viscosity	9.4 52		
pH / Fluid Loss	10.5 9.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.8 @ 76		
Rmf @ Meas. Temp	0.6 @ 76		
Rmc @ Meas. Temp	1.08 @ 76		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.49 @ 124		
Operating Rig Time	3 Hours		
Max Rec. Temp. F	124		
Equipment Number	P-24		
Location	Hays		
Recorded By	T. Martin		
Witnessed By	Eli Felts		

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Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Croft Blktp, S to 110, 1 E, S to location

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: T. Martin	Primary Witness: Eli Felts
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	40.33		GR-M&W (101)	3.00	3.50	50.00
CNLSC	37.23		CNT-M&W (207-MW)	5.00	3.50	100.00
CNSSC	36.48					
			CDL-M&W (305-05)	8.50	4.00	250.00
LSD	28.18					
DCAL	28.17					
SSD	27.68					
			ML-PSIML (402)	7.58	4.00	65.00
MCAL	19.58					
MI	19.58					
MN	19.58					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (502 HT)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: griffin_riley #1x.db: field/well/StkMl/pass4.1
Total length: 42.33 ft
Total weight: 685.00 lb
O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_riley #1x.db
Dataset field/well/StkMl/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	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	10	80	Off	4834

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

MIDWEST WIRELINE

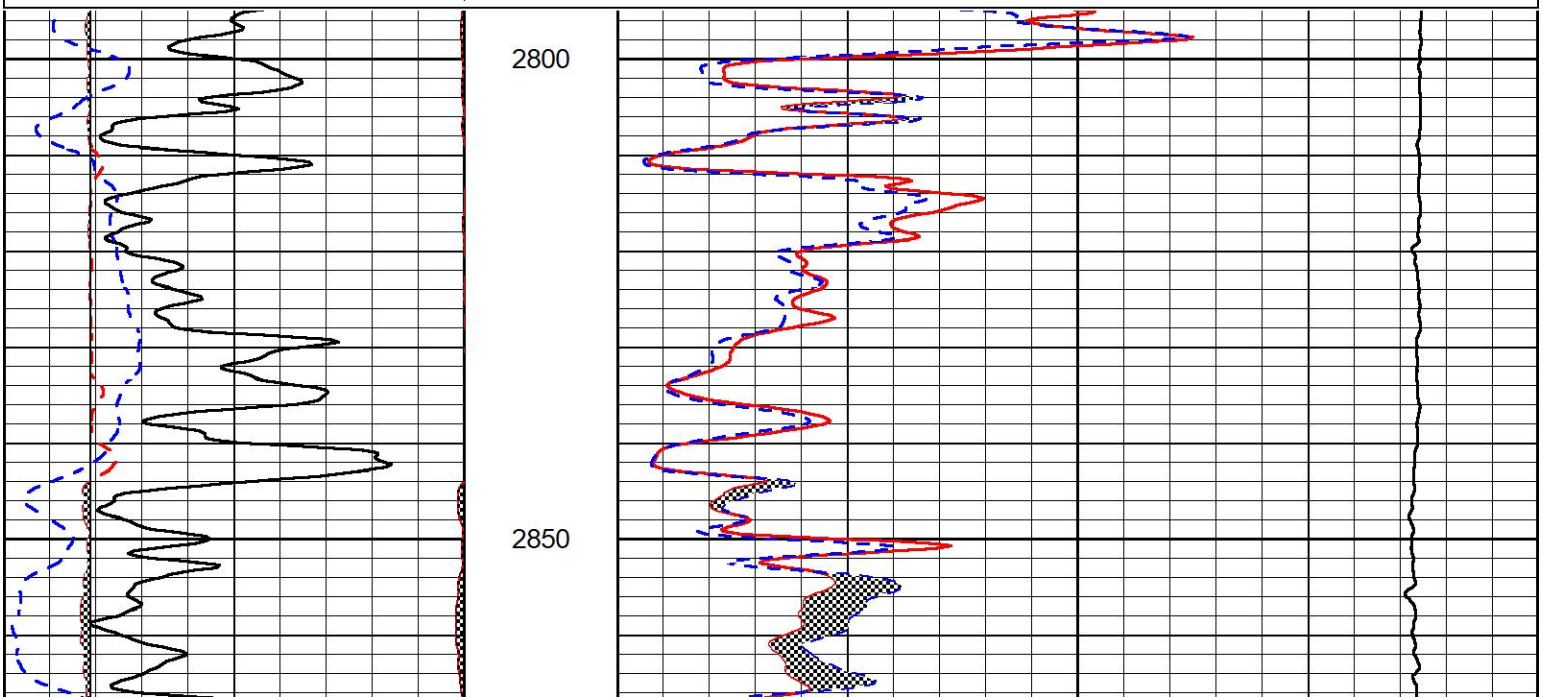
DETAIL SECTION

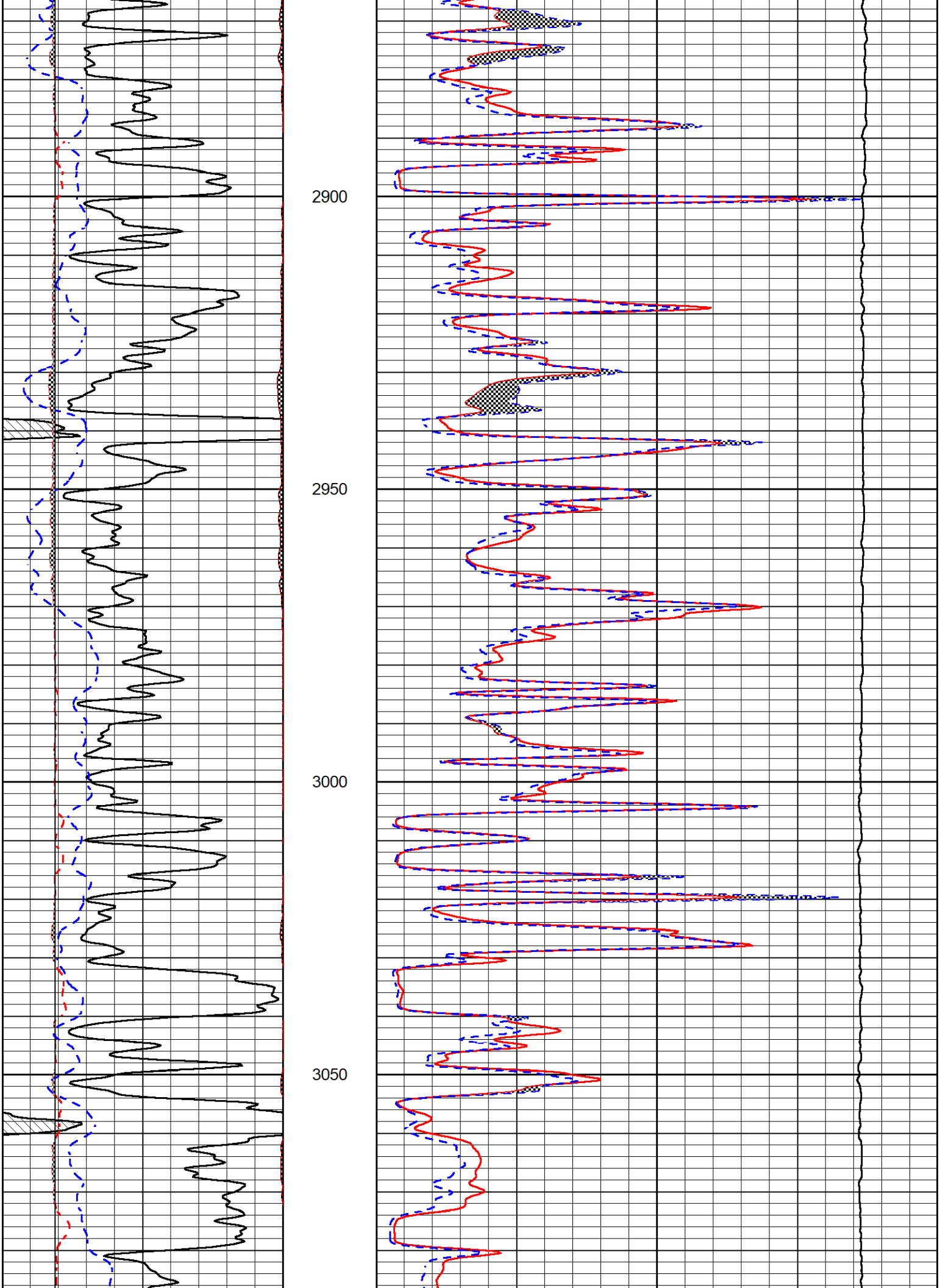
MAIN PASS

Database File	griffin_riley #1x.db
Dataset Pathname	StkMl/pass4.1
Presentation Format	_micro
Dataset Creation	Thu May 26 14:12:27 2022
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	sp (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

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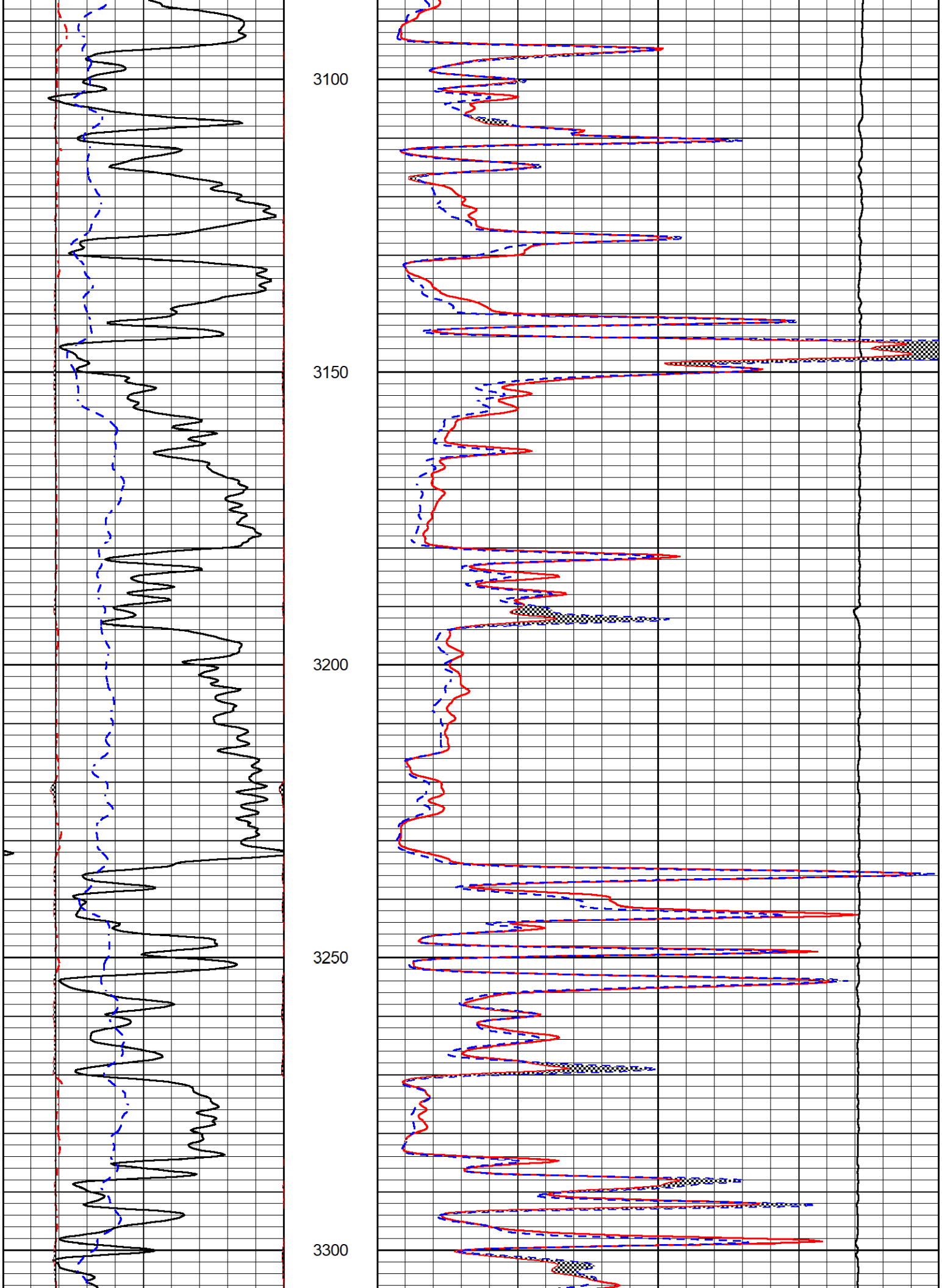
2950
3000
3050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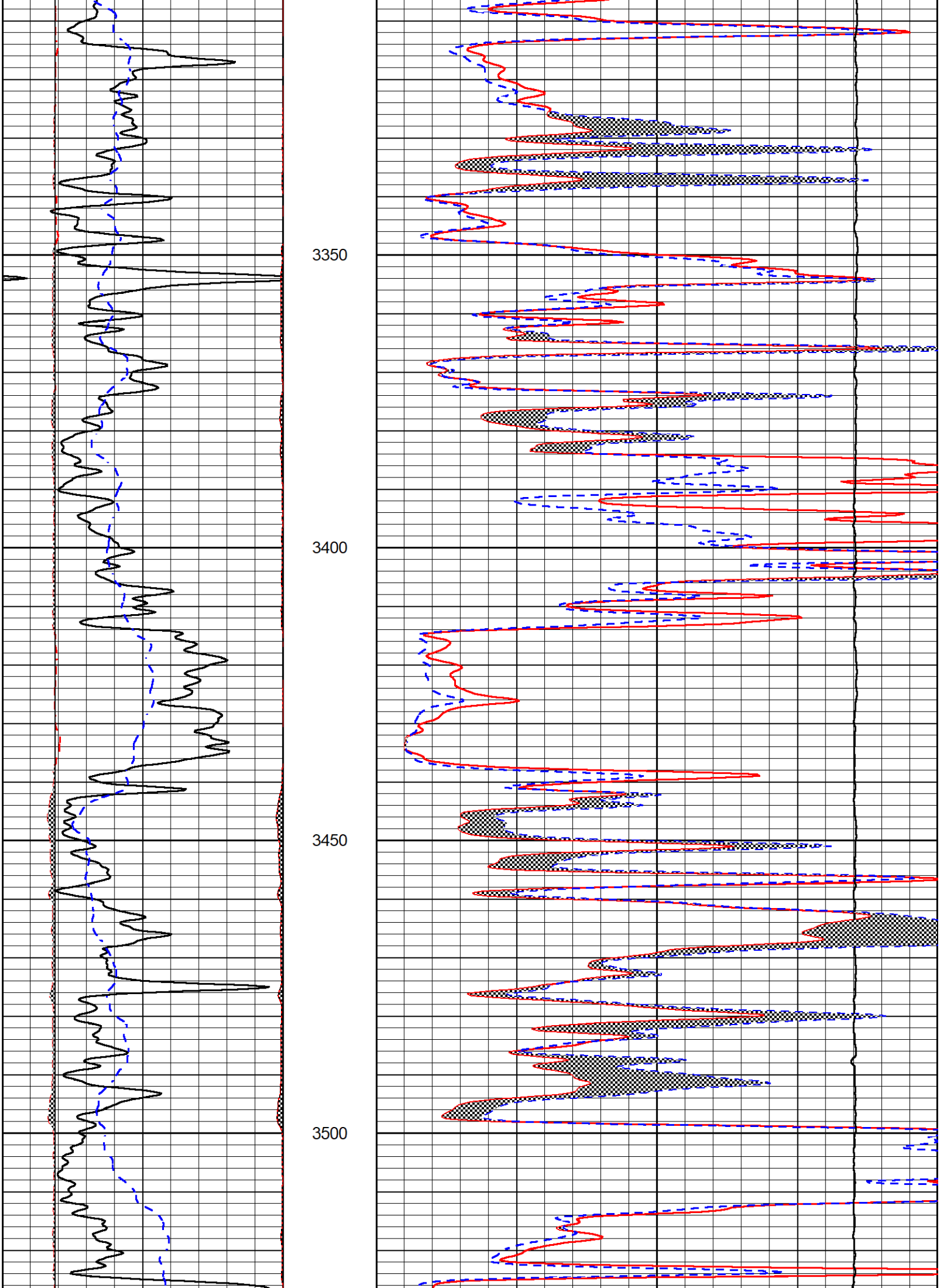
3150
3200
3250
3300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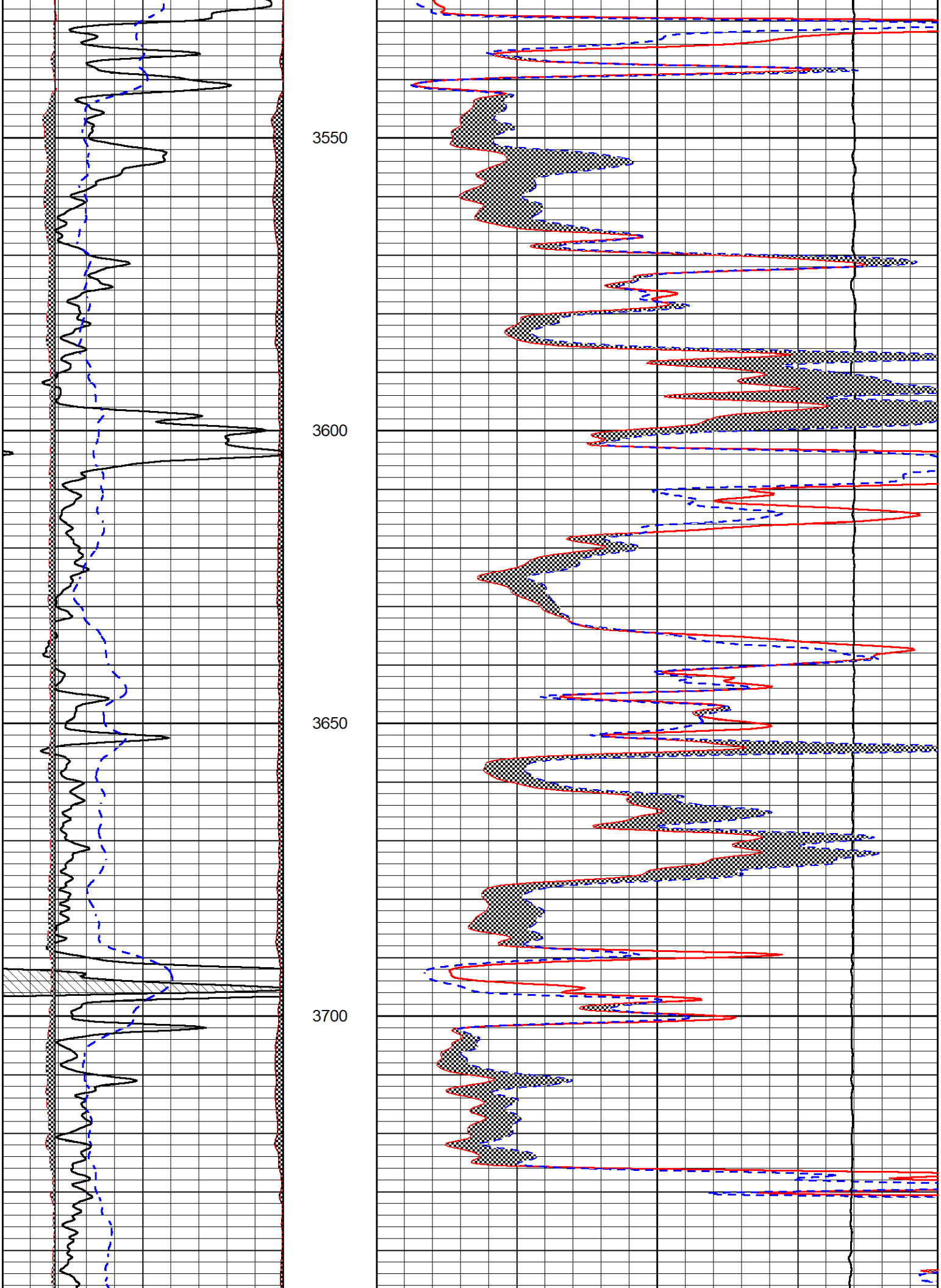
3450
3500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3600
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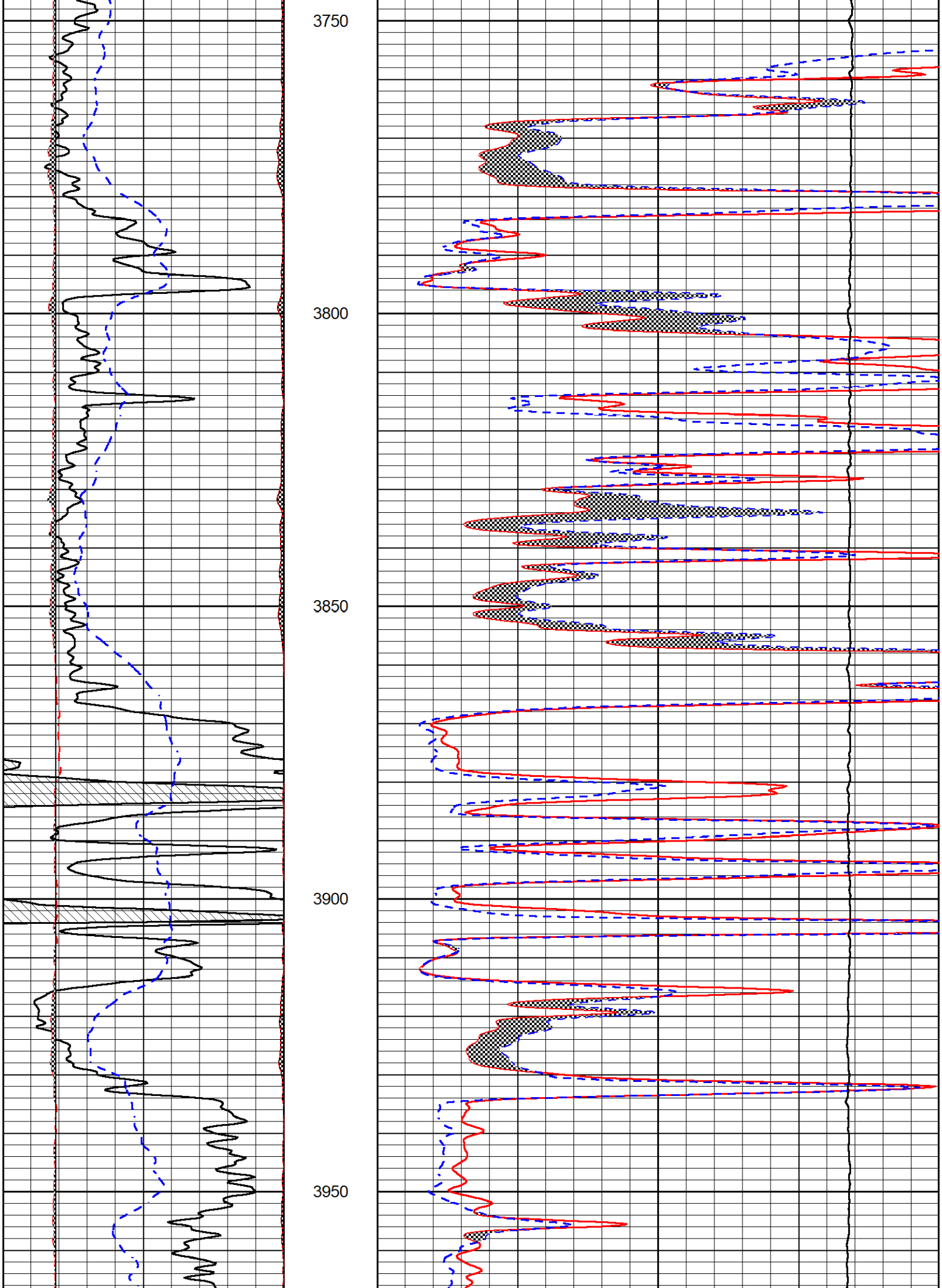
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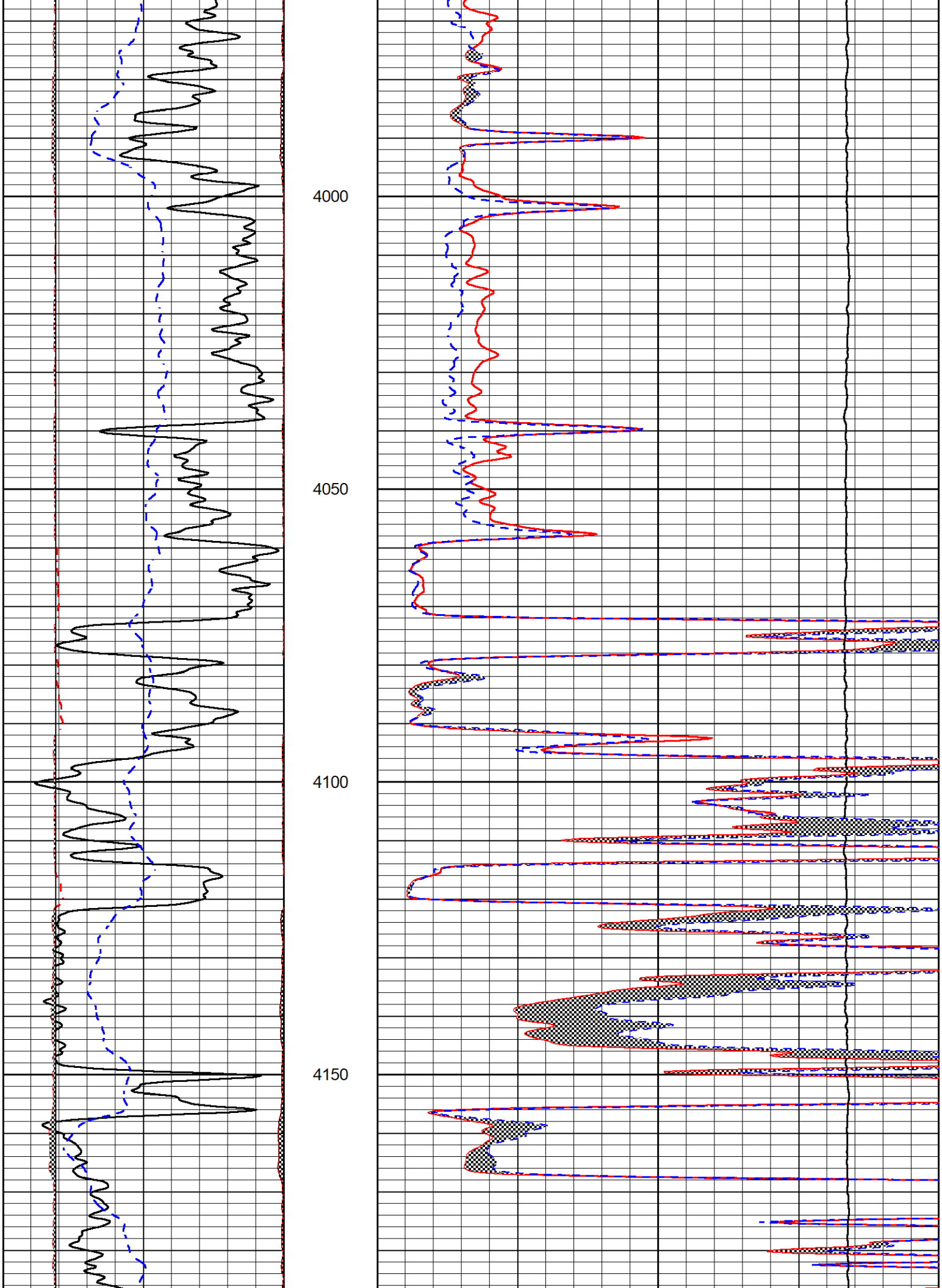
3850
3900
3950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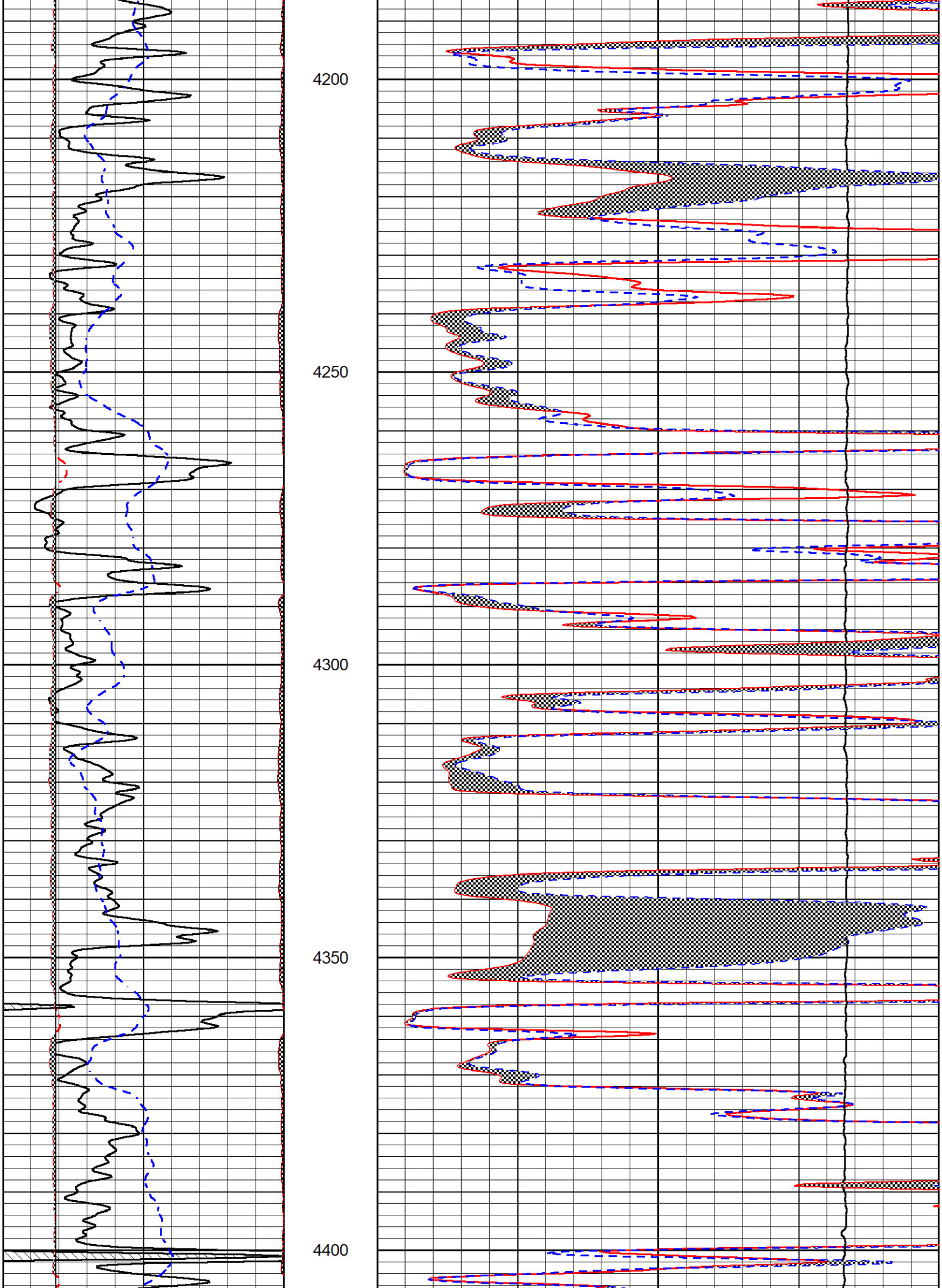
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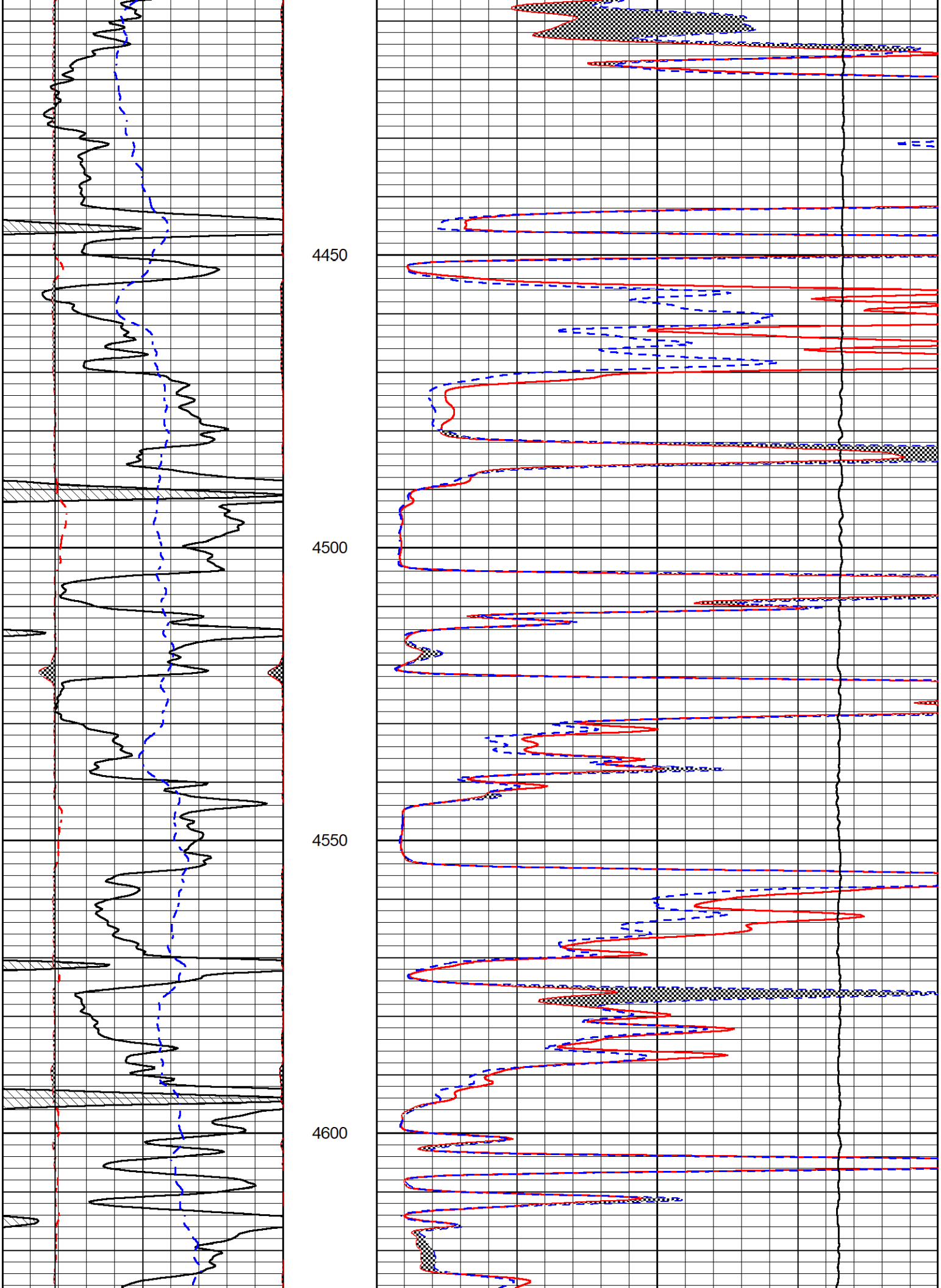
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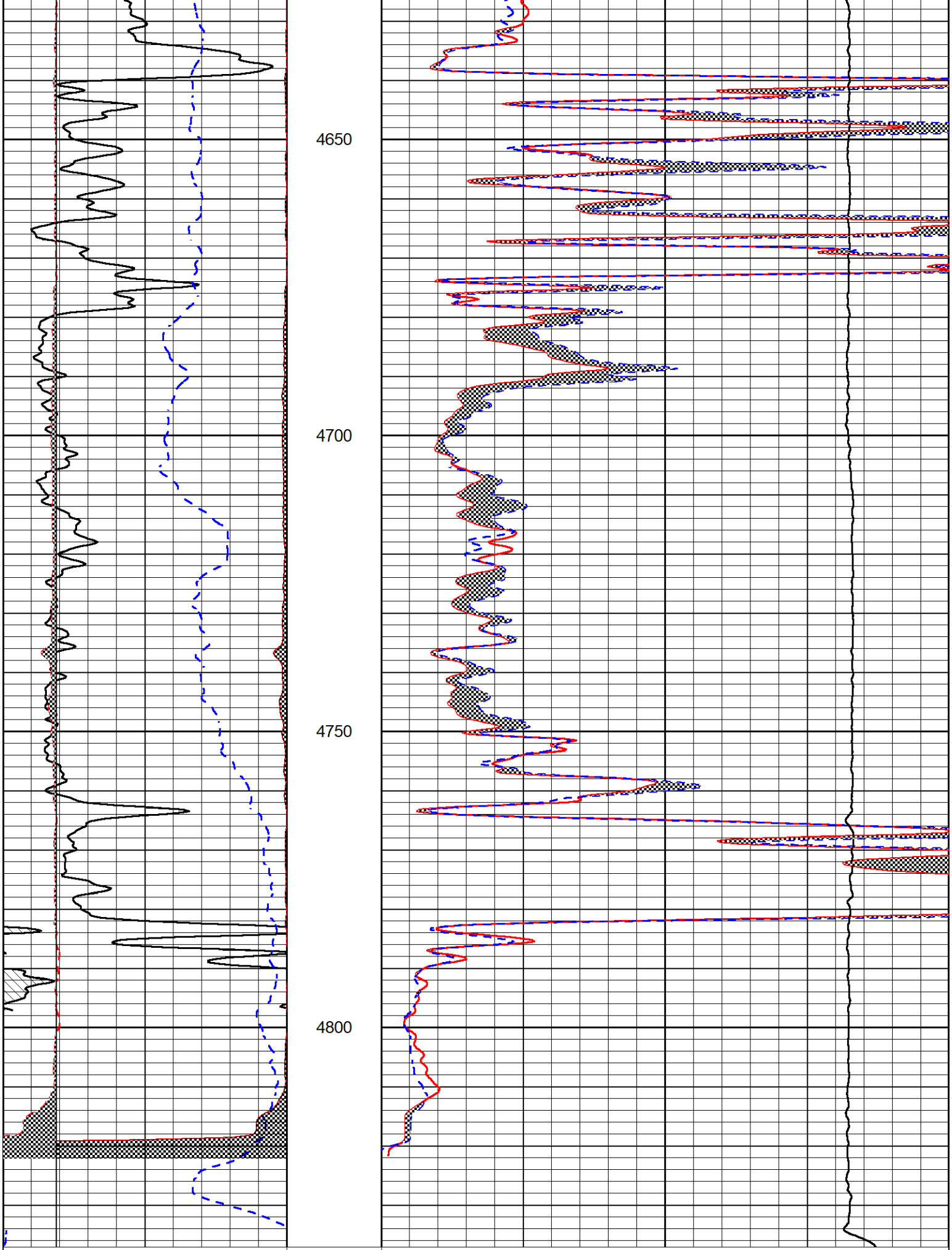

4650
4700
4750
4800
0
Gamma Ray (GAPI)
150
6
Caliper (in)
16
0
Micro Inverse 1 X 1 (Ohm-m)
40
0
Micro Normal 2" (Ohm-m)
40

-2.875	mcal (in)	7.875
-200	sp (mV)	0

10000	Line Weight (lb)	0

MIDWEST WIRELINE

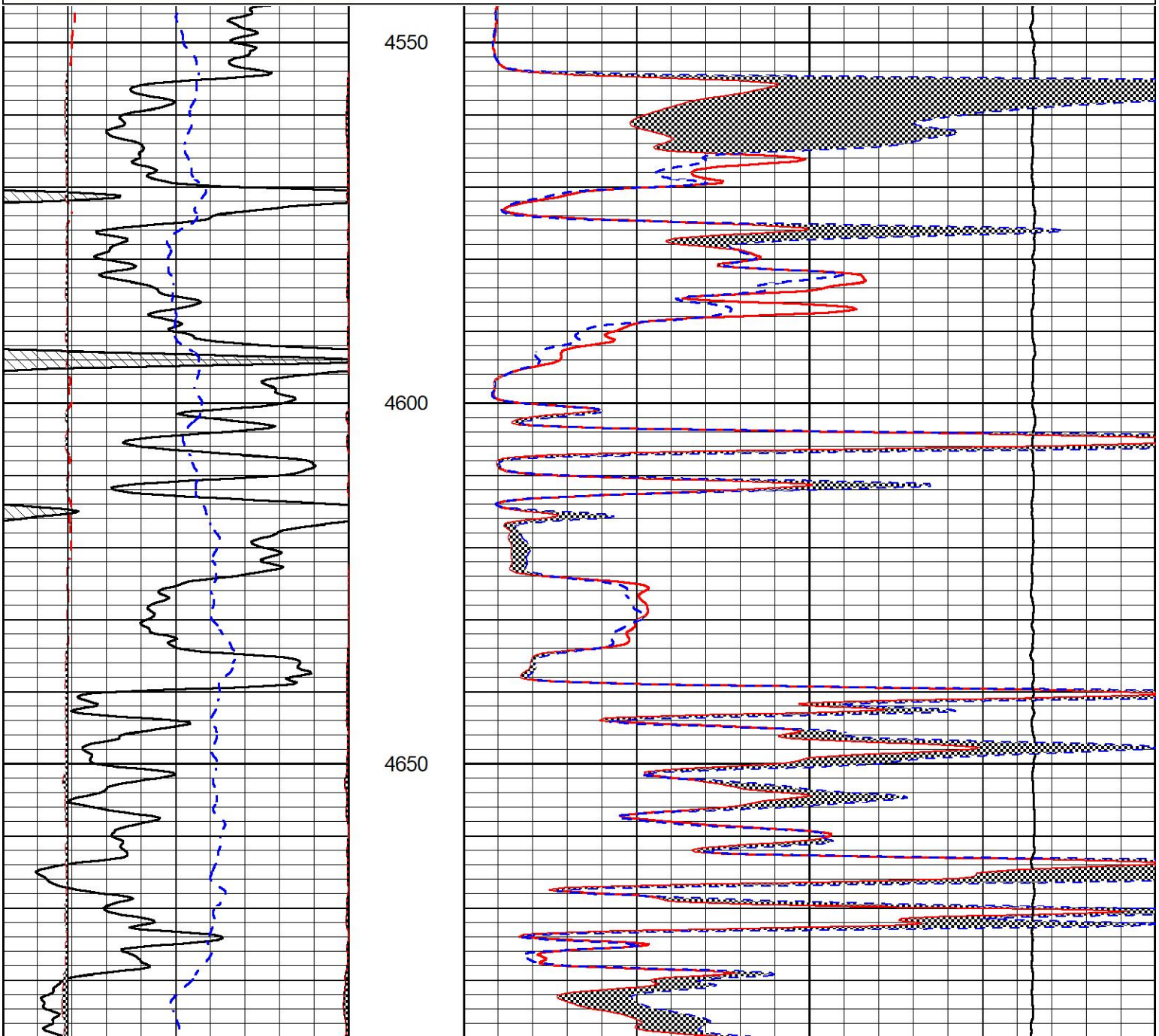
REPEAT SECTION

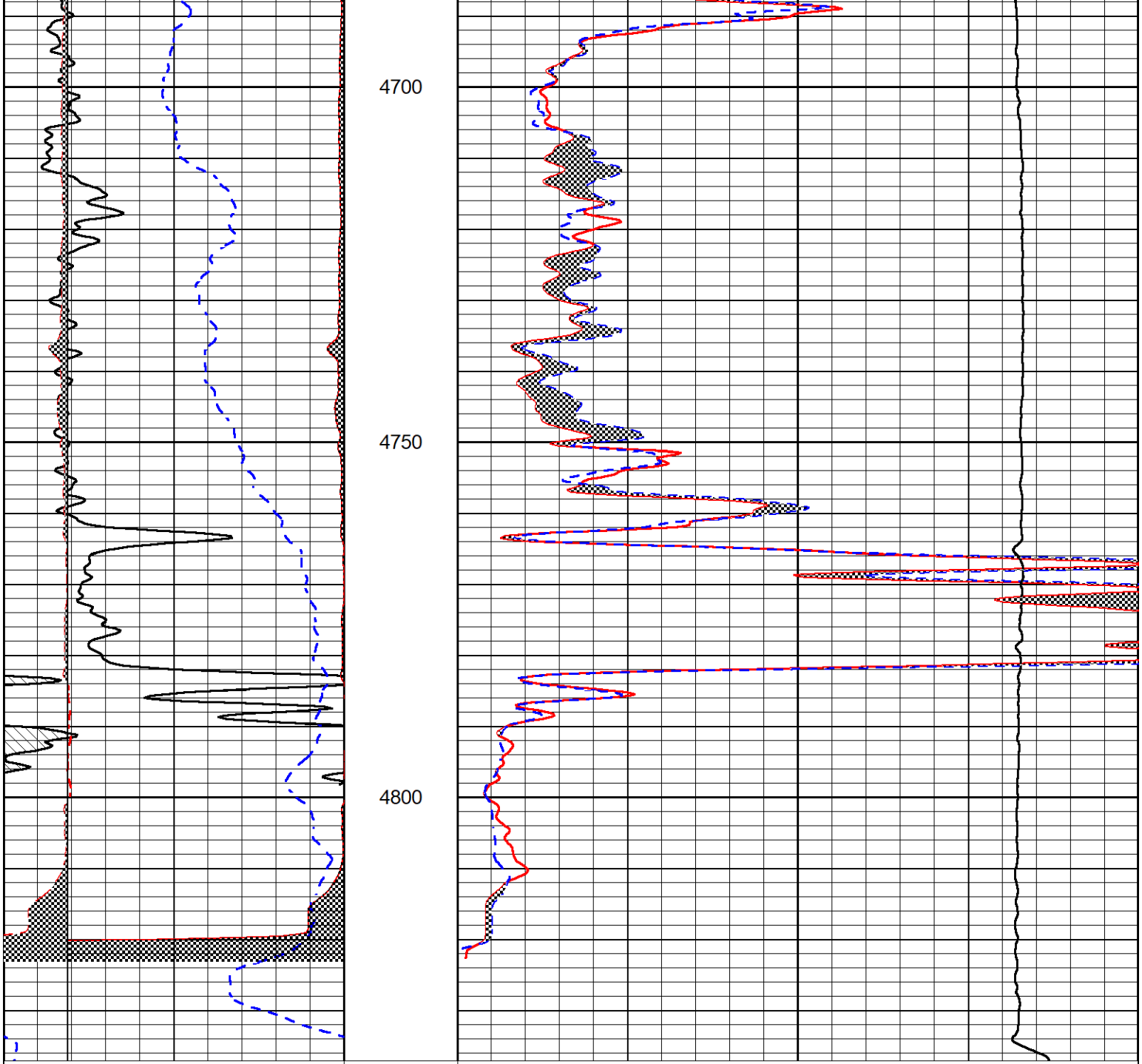
REPEAT PASS

Database File	griffin_riley #1x.db
Dataset Pathname	StkMI/pass3.1
Presentation Format	_micro
Dataset Creation	Thu May 26 13:31:13 2022
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-2.875	mcal (in)	7.875
-200	sp (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0





Calibration Report

Database File	griffin_riley #1x.db
Dataset Pathname	StkMl/pass4.1
Dataset Creation	Thu May 26 14:12:27 2022

Dual Induction Calibration Report

Serial-Model:	502 HT-M&W
Surface Cal Performed:	Wed Feb 9 17:39:00 2022

	Readings	References	Results

Loop:	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.454	-35.000
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.350	-11.000

Microlog Calibration Report

Serial-Model: 402-PSIML
Performed: Mon Jan 24 20:31:16 2022

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	24000.0000	-0.1000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	0.5000
Caliper	1.0052	1.0858	5.0000	16.5000	in	65.0000	-59.8000

Compensated Density Calibration Report

Serial-Model: 305-05-M&W
Source #: 20762B
Master Calibration Performed: Fri Apr 22 07:18:08 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8862.47	9339.96	cps
Aluminum	2.600	g/cc	1556.73	5707.29	cps

Spine Angle = 74.19 Density/Spine Ratio = 0.467

	Size		Reading
Small Ring	4.00	in	1.74
Large Ring	14.00	in	1.38

Compensated Neutron Calibration Report

Serial-Model: 207-MW-M&W
Source #: 100046B
Master Calibration Performed: Mon Nov 29 15:06:24 2021

Master Calibration

Detector	Readings		Target		Normalization
Short Space	6240.00	cps	1000.00	cps	1.6025
Long Space	460.00	cps	1000.00	cps	1.9500

Gamma Ray Calibration Report

Serial Number: 101
Tool Model: M&W
Performed: Mon Jan 24 19:14:46 2022

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps
Calibrator Reading: 637.0 cps

Sensitivity: 0.5500 GAPI/cps

MIDWEST WIRELINE

Company	Charles N. Griffin
Well	Riley #1X
Field	Moffett
County	Barber
State	Kansas