MIDWEST WIRELINE

DUAL INDUCTION LOG

Company Carmen Schmitt, Inc.
Well Sunray #1-28
Field Wildcat
County Greeley State Kansas

Location: API # : 15-071-20894-00-00
500' FSL & 2310' FWL
SEC 28 TWP 16S RGE 41W

Other Services
CNL/CDL
MEL/BHCS

Elevation
K.B. 3769'
D.F. N/A
G.L. 3761'

Permanent Datum Ground Level Elevation 3761'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Company Carmen Schmitt, Inc.
Well Sunray #1-28
Field Wildcat
County Greeley
State Kansas

Date	6/7/2021			
Run Number	One			
Depth Driller	5230'			
Depth Logger	5236'			
Bottom Logged Interval	5235'			
Top Log Interval	300'			
Casing Driller	8.625" @ 307'			
Casing Logger	308'			
Bit Size	7.875"			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	6800			
Density / Viscosity	9.1 50			
pH / Fluid Loss	10.0 8.8			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.45 @ 67			
Rmf @ Meas. Temp	.34 @ 67			
Rmc @ Meas. Temp	.61 @ 67			
Source of Rmf / Rmc	CHARTS			
Rm @ BHT	.23 @ 128			
Operating Rig Time	5 Hours			
Max Rec. Temp. F	128 Deg/F			
Equipment Number	P-24			
Location	HAYS			
Recorded By	J. Henrickson			
Witnessed By	Brad Rine			

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Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Tribune Kansas
North to D Road, 6 West, 2 South, East Into

Log Measured From: Kelly Bushing 8 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: J. Henrickson	Primary Witness: Brad Rine
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

Database C:\ProgramData\Warrior\Data\carmen_schmitt_sunray_1_28.db
Dataset field/well/stackml/pass4.1/_vars_

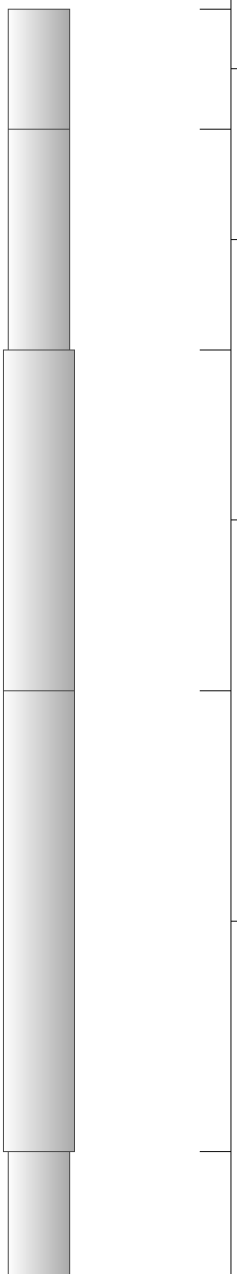
Top - Bottom

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	No	0	0	290	67	Off	5236

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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GR	44.50		GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC	41.40		CNT-M&W (207-MW)	5.50	3.50	100.00
CNSSC	40.65					
			CDL-M&W (817-947)	8.50	4.00	250.00
LSD	32.35					
DCAL	32.33					
SSD	31.85					
			ML-PSI UDM ML (UDM-01) Stackable Microlog Tools	11.50	4.00	215.00
MCAL	20.87					
MI	20.87					
MN	20.87					
RLL3F	15.80					

RLL3	15.80				
		DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00
CILD	8.00				
CILM	4.70				
SP	0.20				

Dataset:	carmen_schmitt_sunray_1_28.db: field/well/stackml/pass4.1
Total length:	47.00 ft
Total weight:	835.00 lb
O.D.:	4.00 in

MIDWEST WIRELINE

2" SCALE RESISTIVITY

MAIN PASS

Database File	carmen_schmitt_sunray_1_28.db
Dataset Pathname	stackml/pass6.1
Presentation Format	_dil2in
Dataset Creation	Tue Jun 08 00:55:28 2021
Charted by	Depth in Feet scaled 1:600

GAMMA RAY

0 (GAPI) 150

1000 CONDUCTIVITY (mmho/m) 0

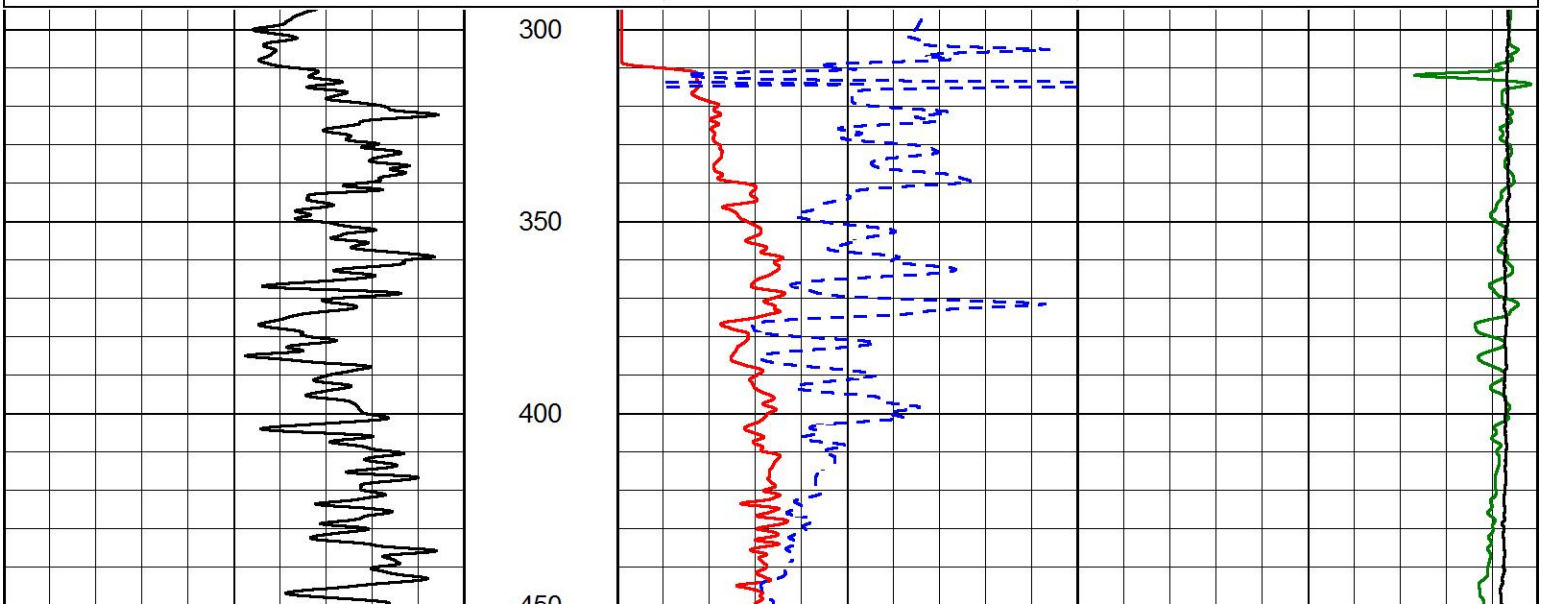
15000 Line Tension (lb) 0

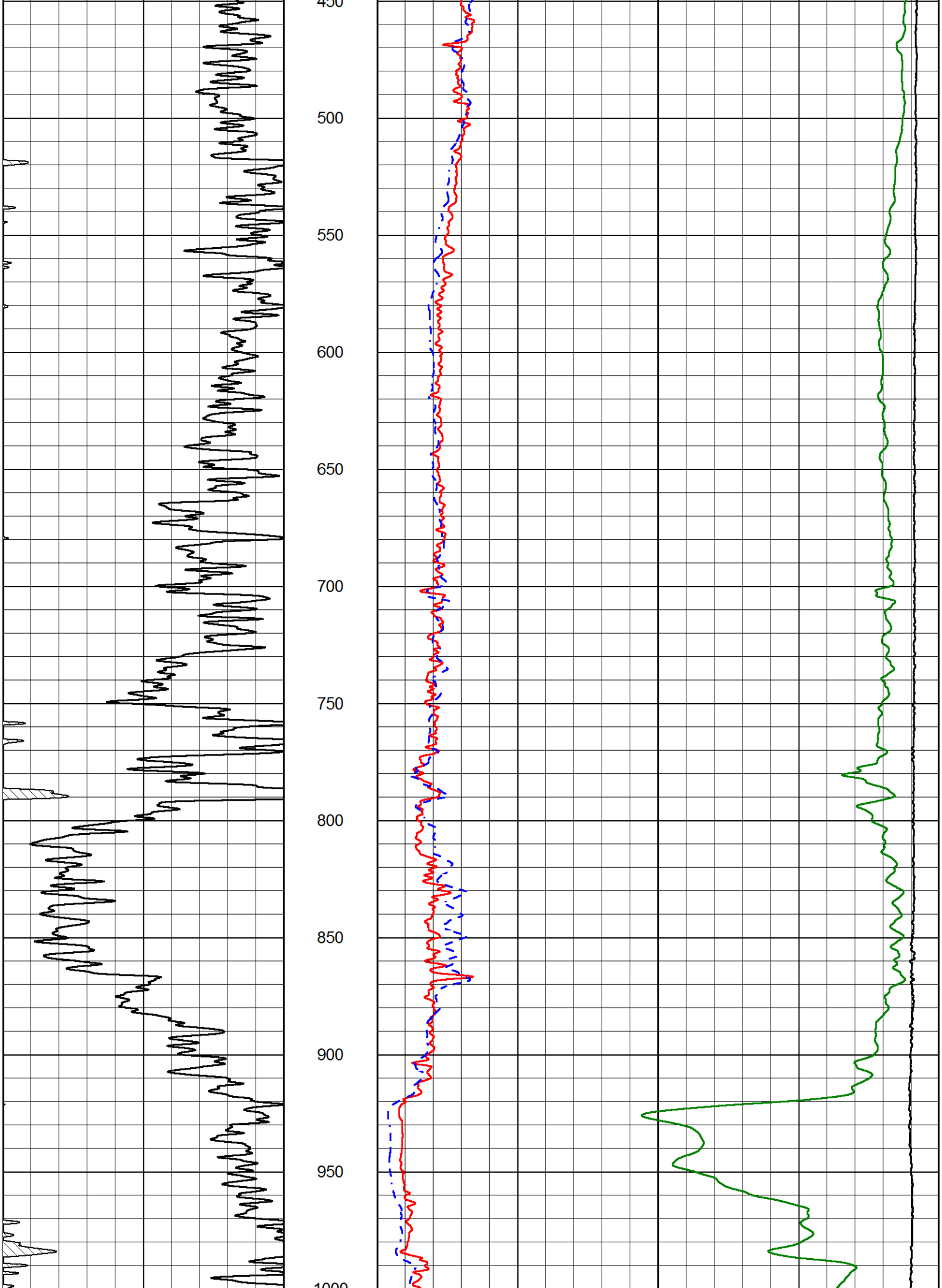
0 RLL3 (Ohm-m) 50

0 RILD (Ohm-m) 50

50 RLL3 (Ohm-m) 100

50 Deep Resistivity (Ohm-m) 200

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500
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650
700
750
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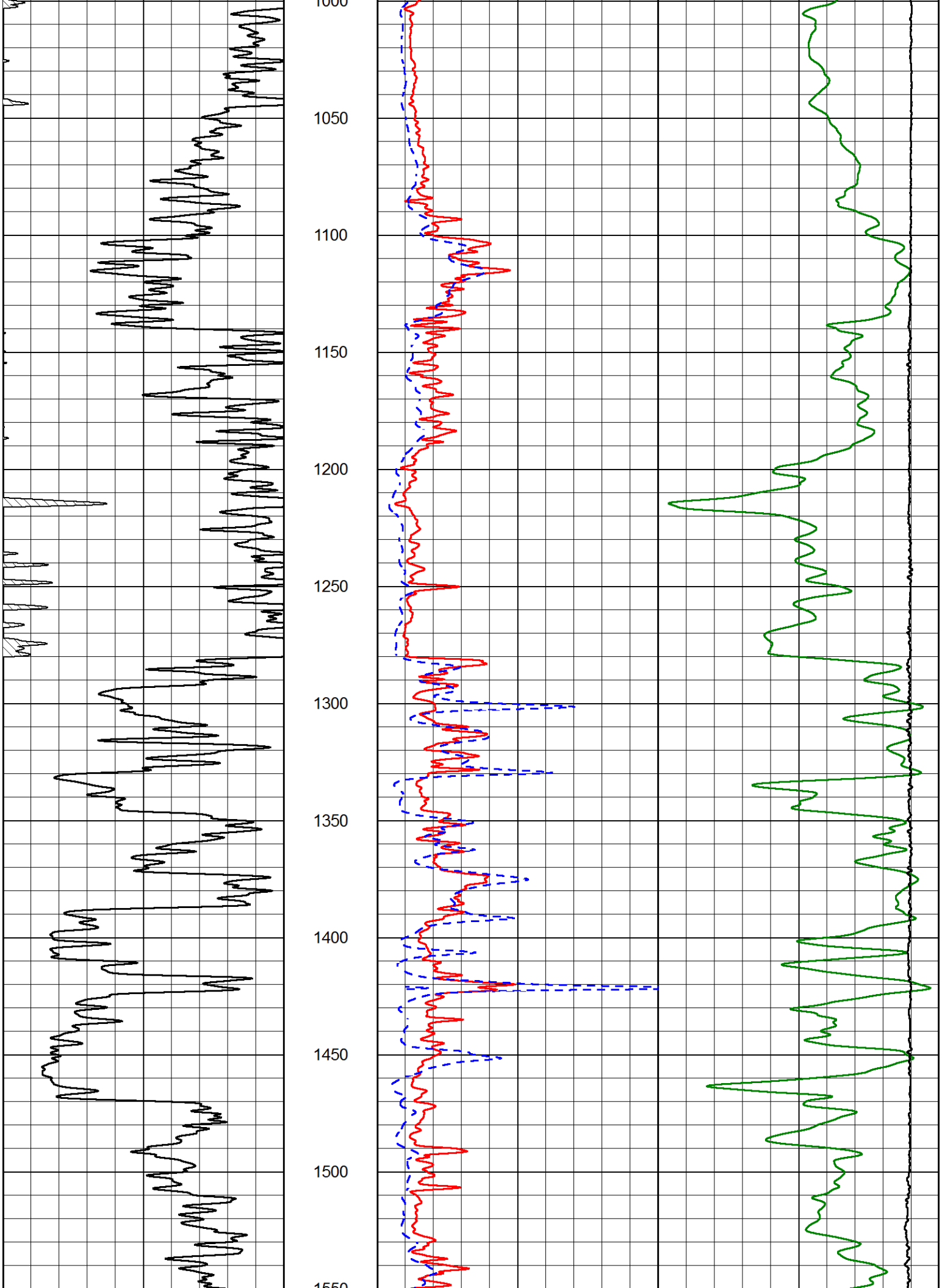
850
900
950
1000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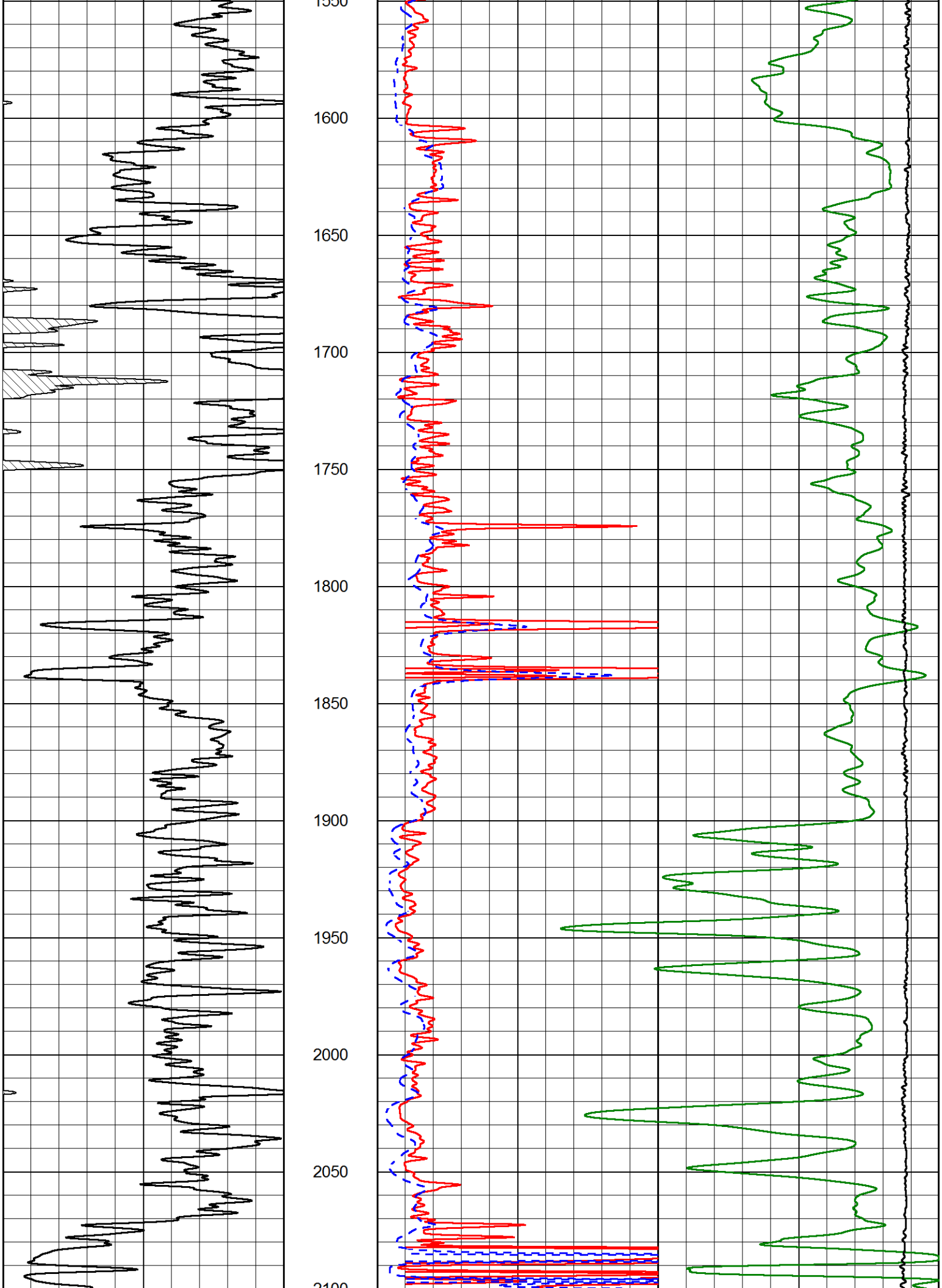
1500
1550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2050
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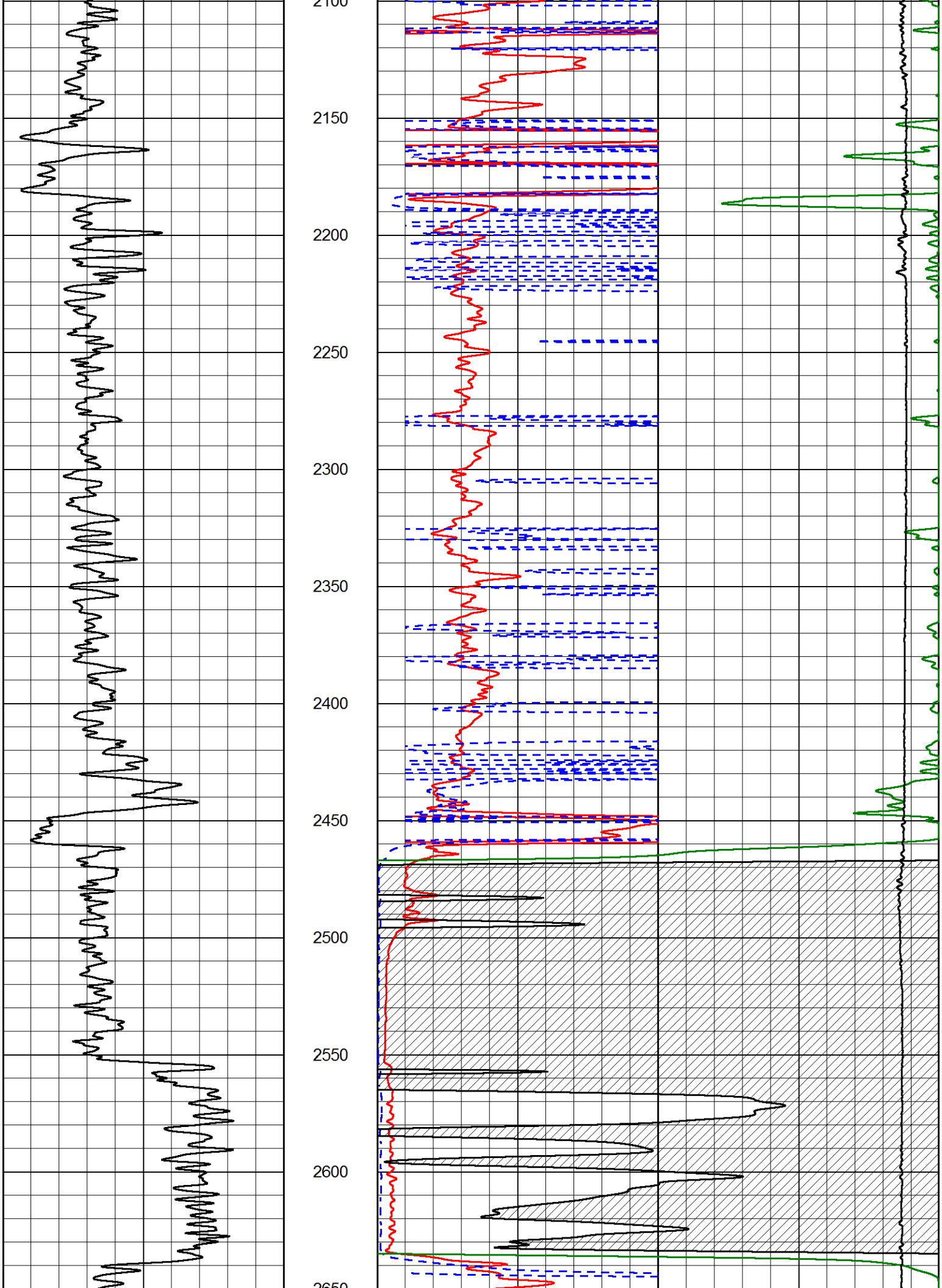
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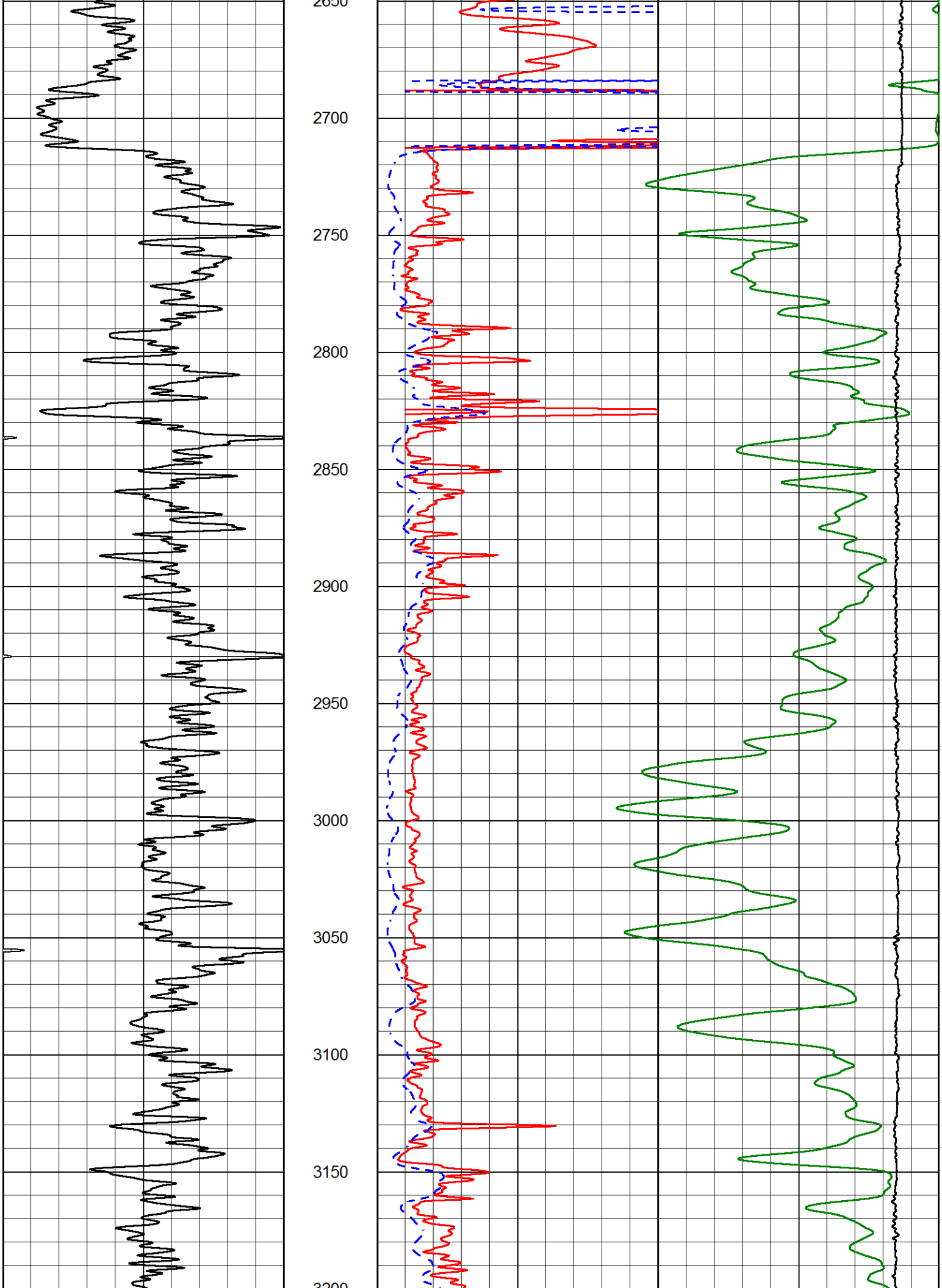
2600
2650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3150
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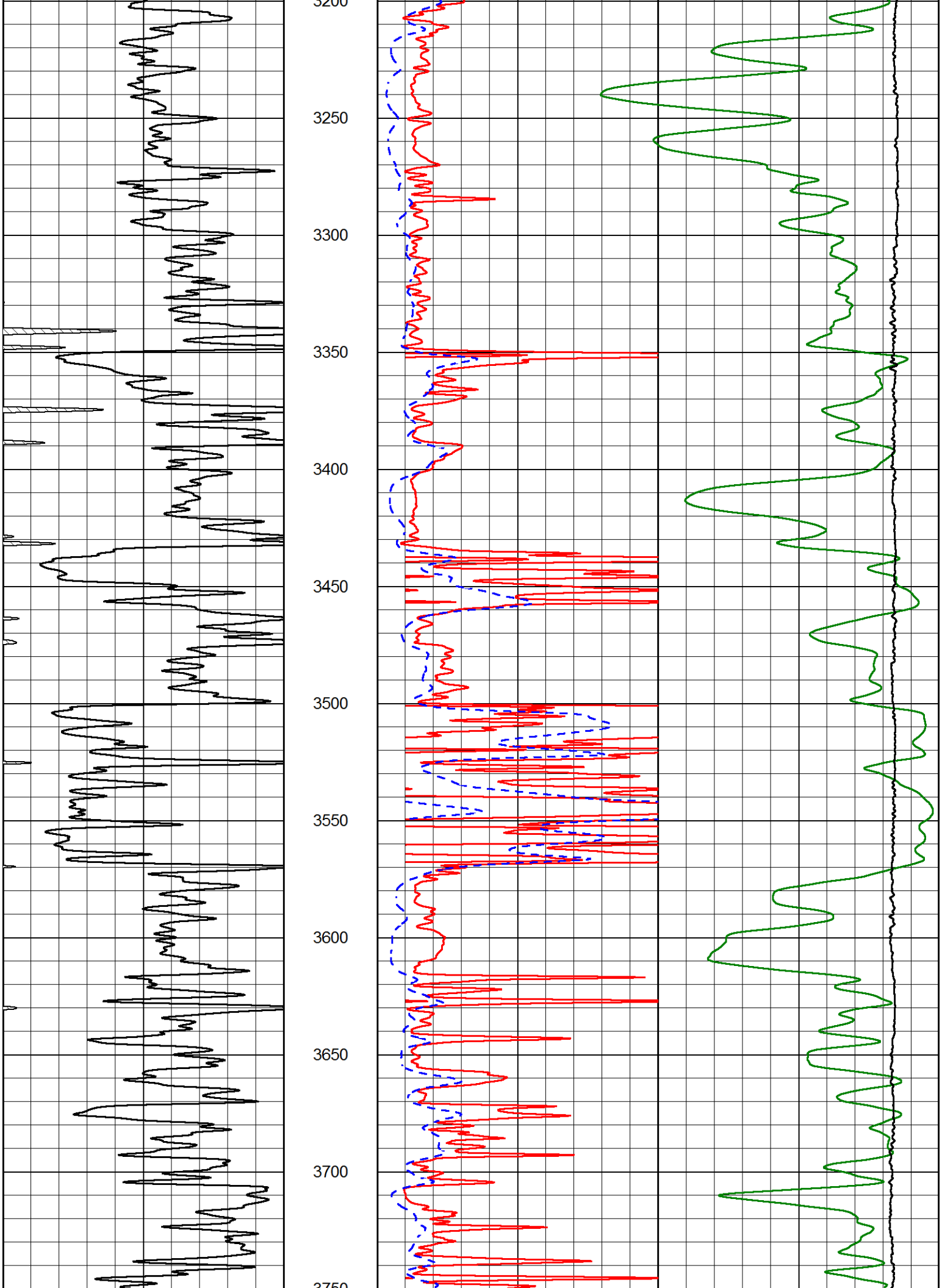
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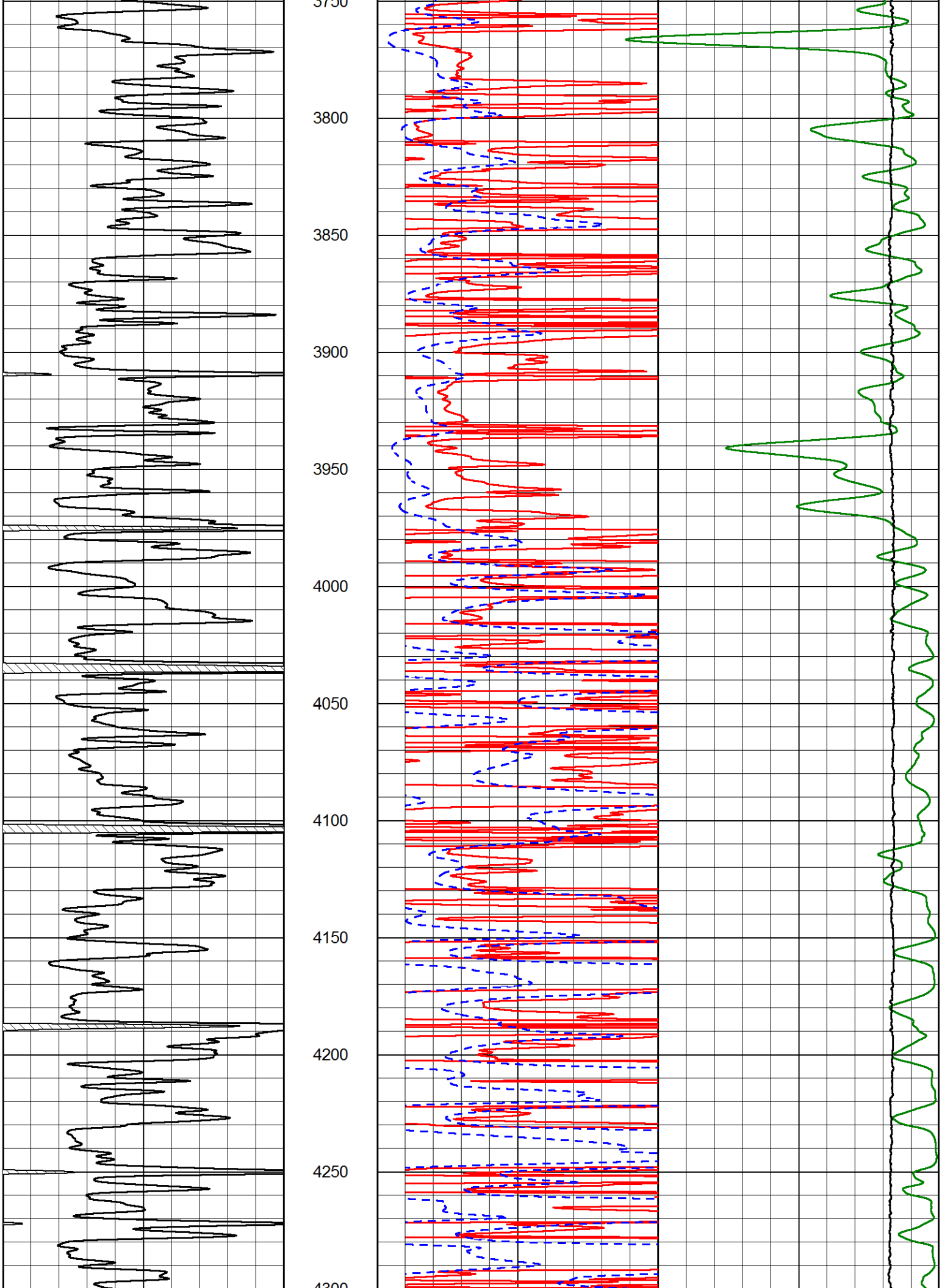
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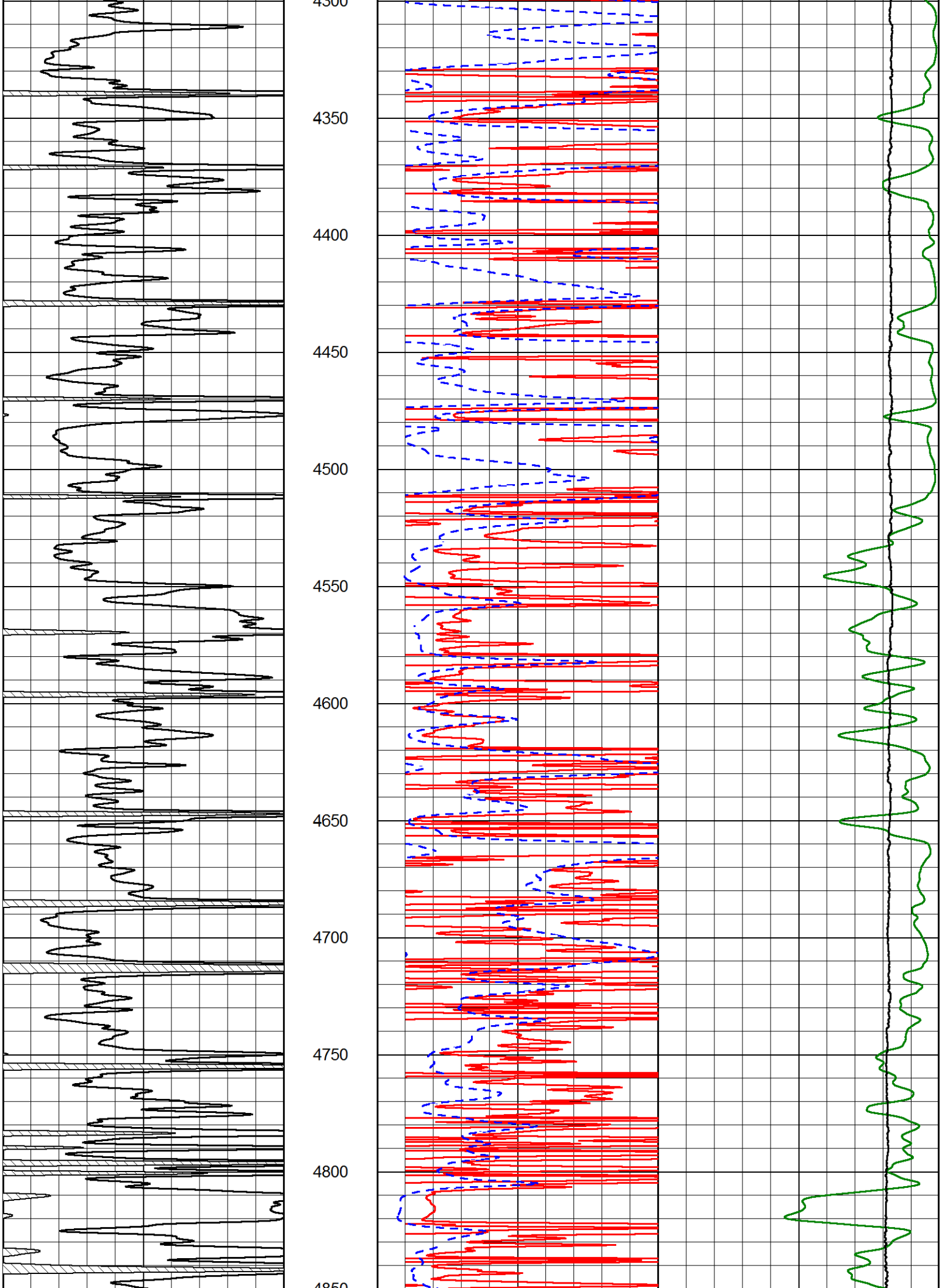
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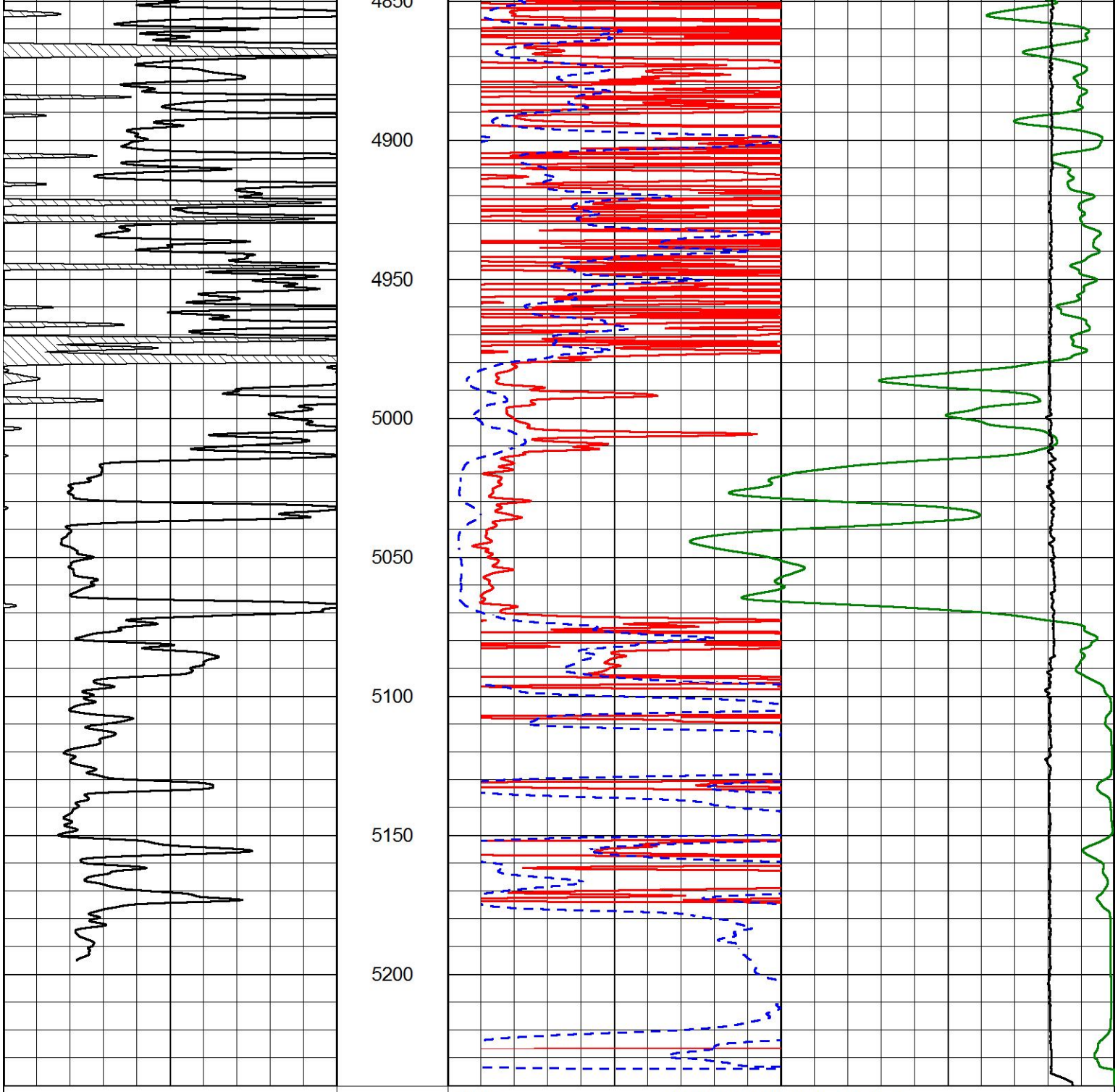


MIDWEST WIRELINE

ANHYDRITE SECTION

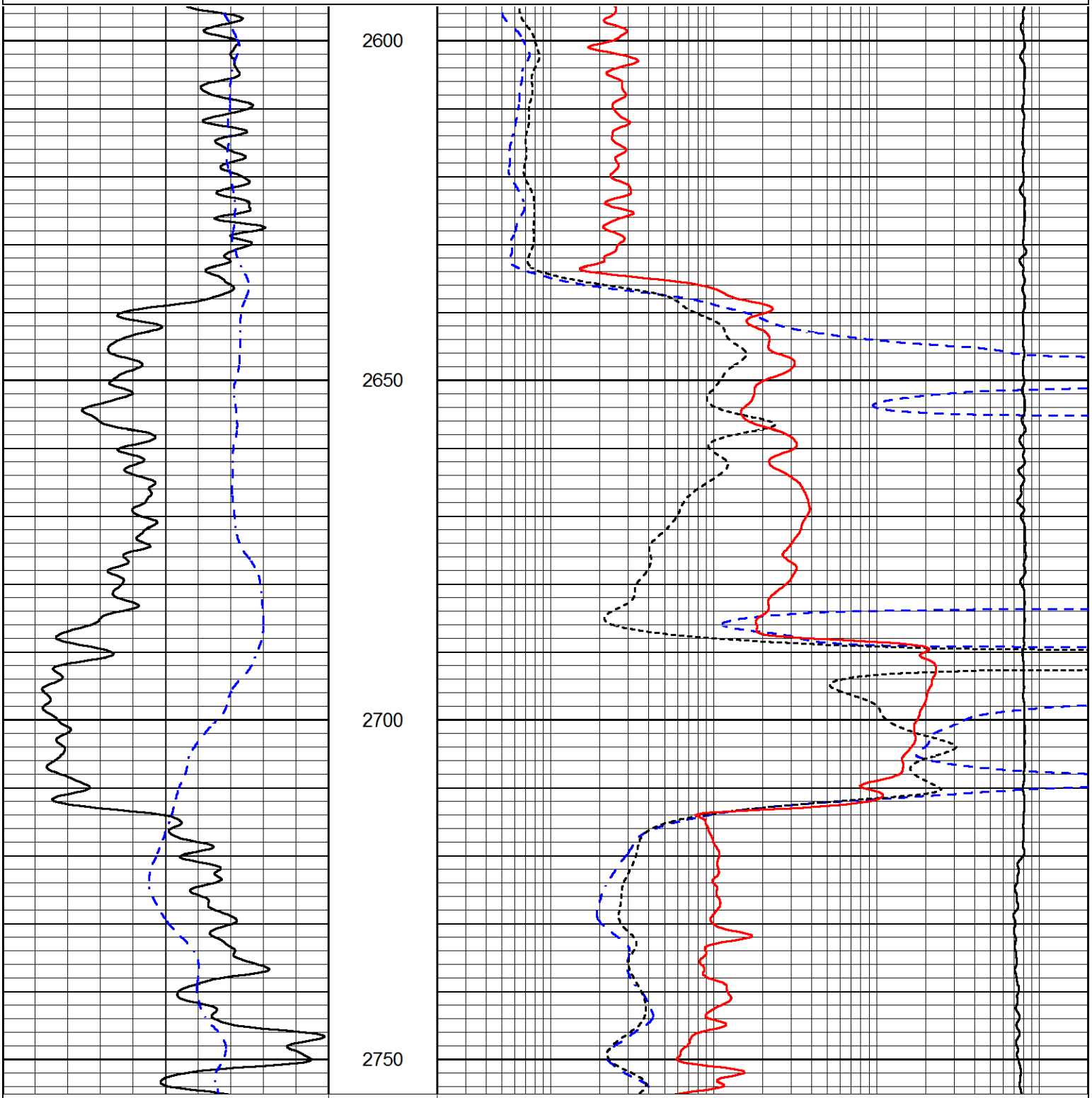
MAIN PASS

Database File	carmen_schmitt_sunray_1_28.db
Dataset Pathname	stackml/pass5.1

Presentation Format	_dil
Dataset Creation	Tue Jun 08 00:25:12 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0



0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

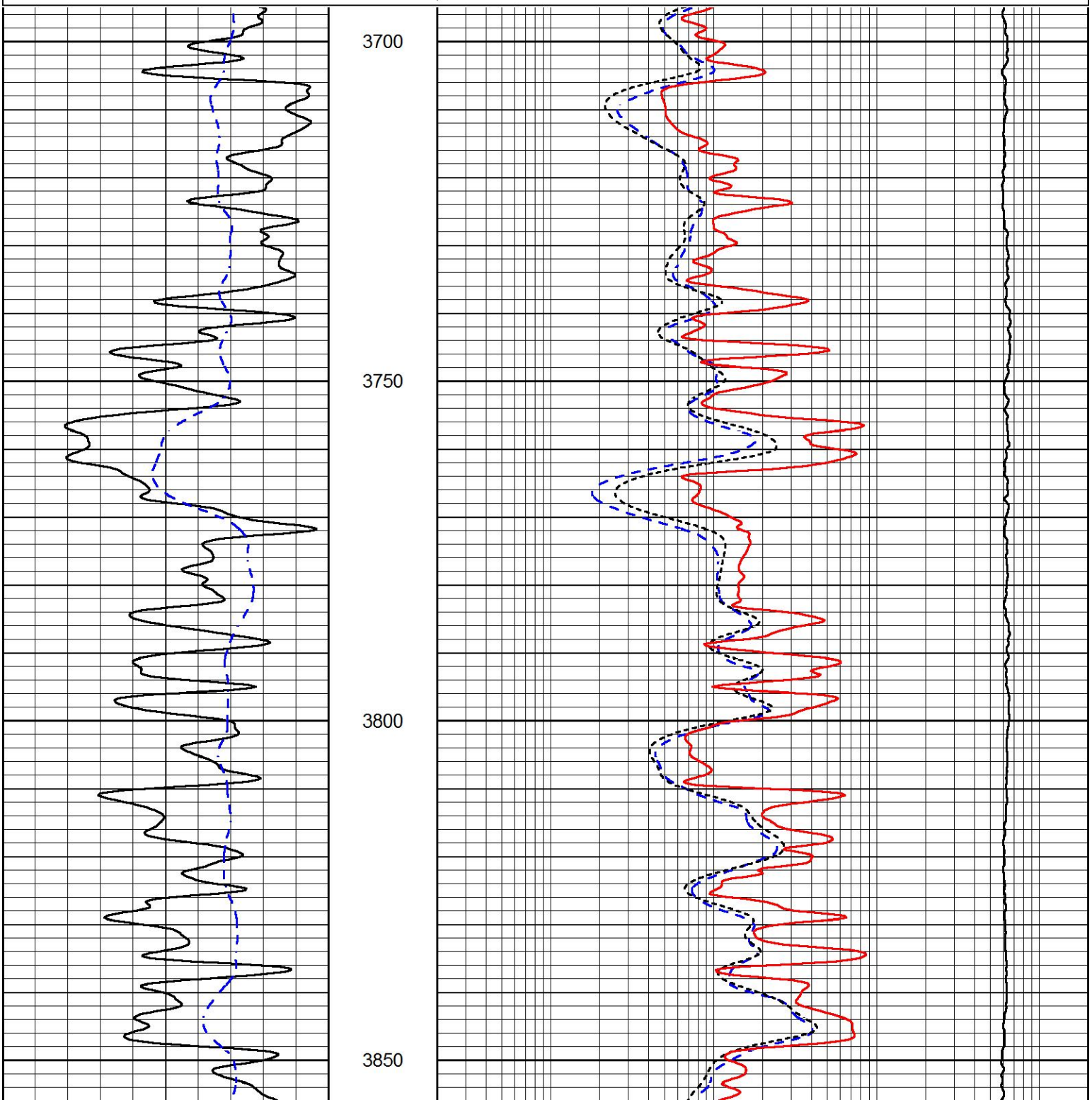
MIDWEST WIRELINE

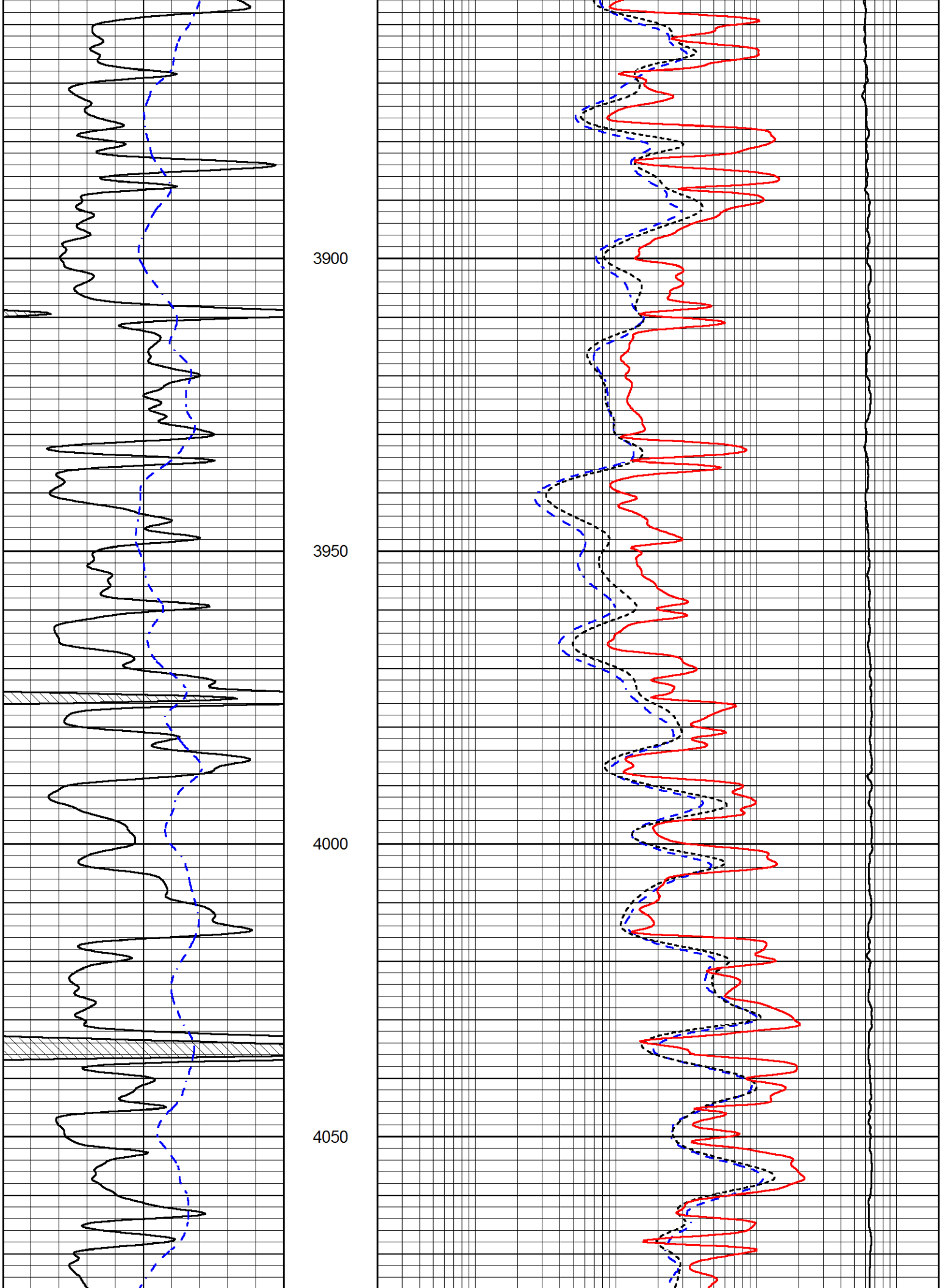
MAIN PASS

Database File	carmen_schmitt_sunray_1_28.db
Dataset Pathname	stackml/pass4.1
Presentation Format	_dil
Dataset Creation	Tue Jun 08 00:14:20 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

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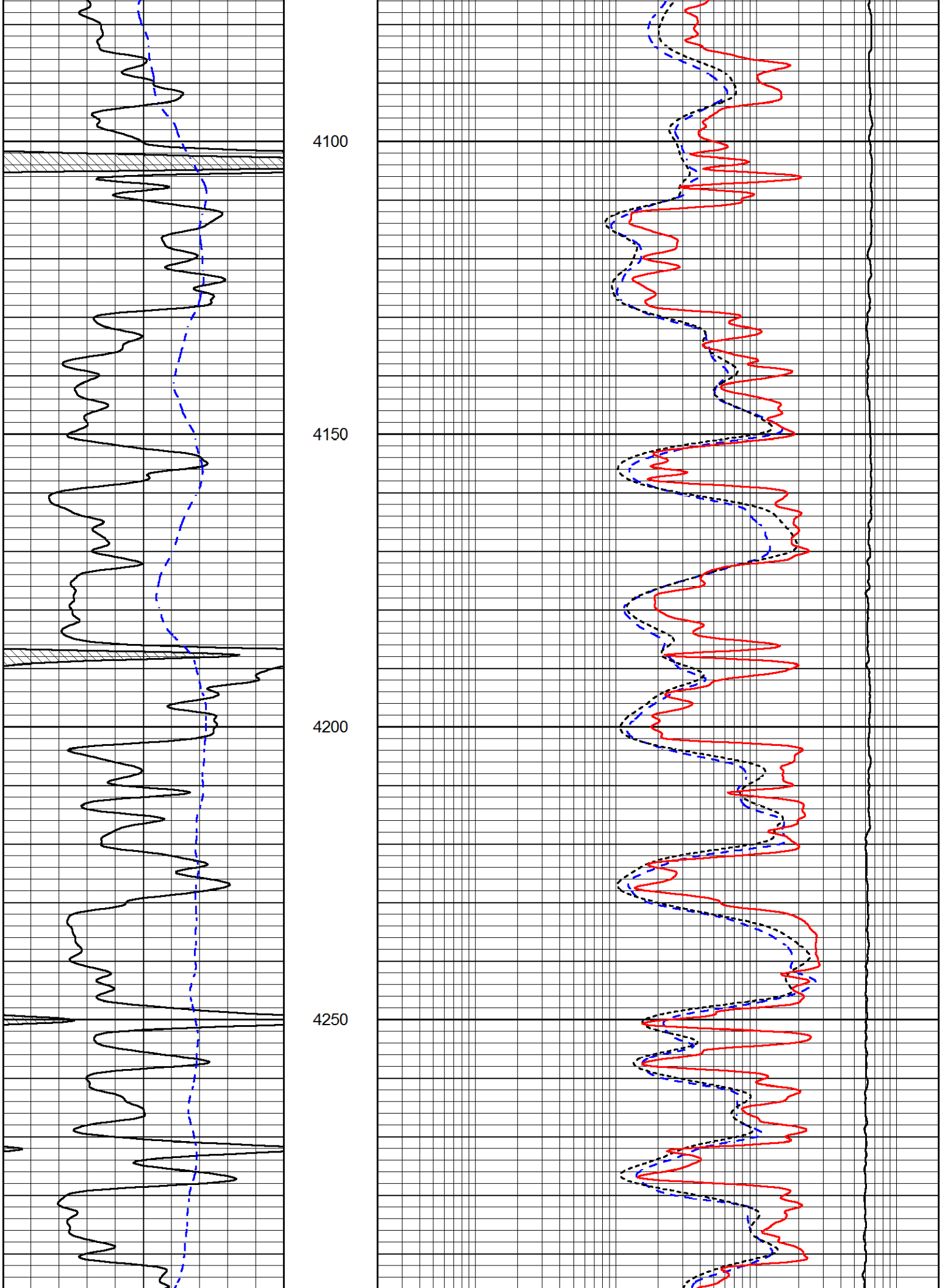
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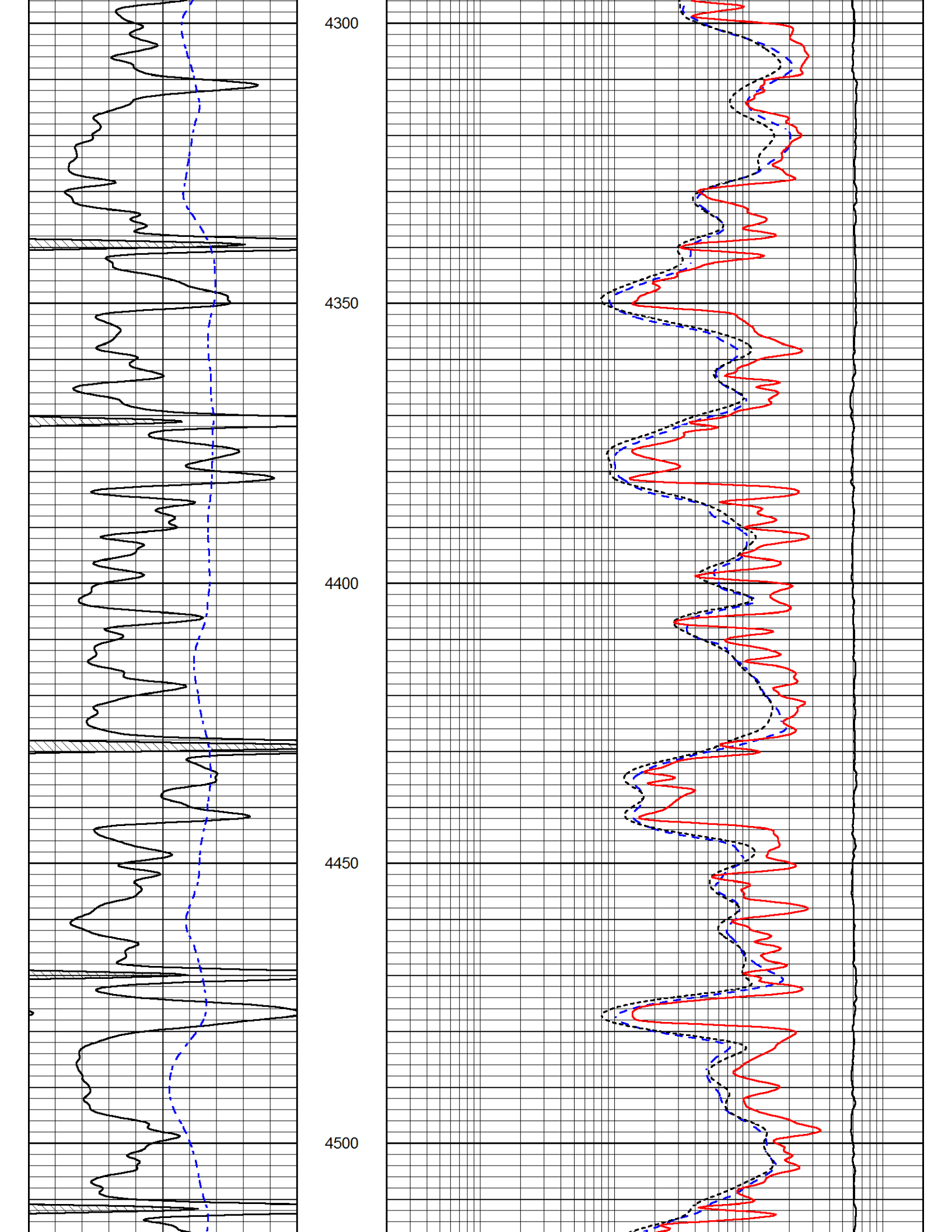
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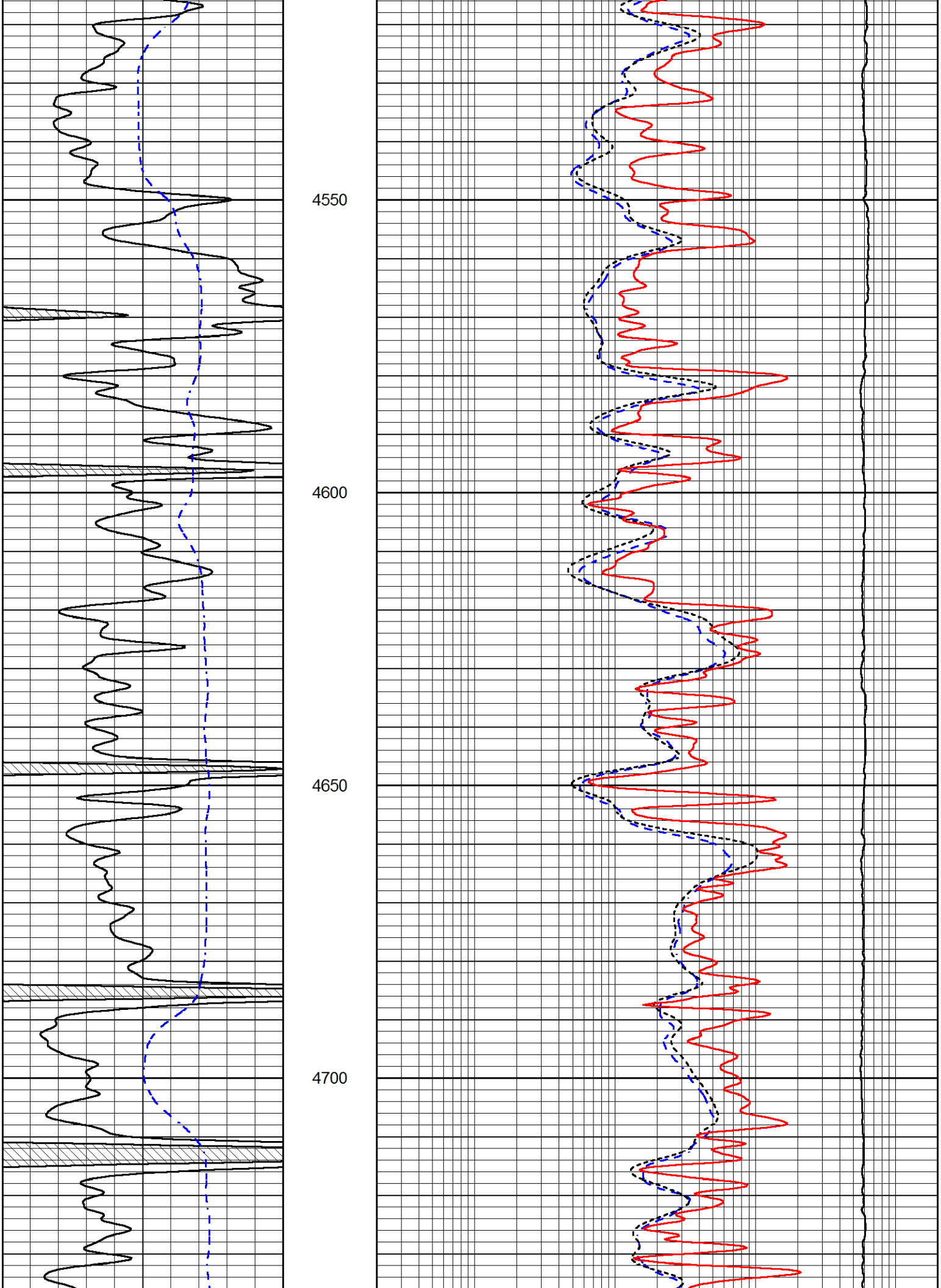
4500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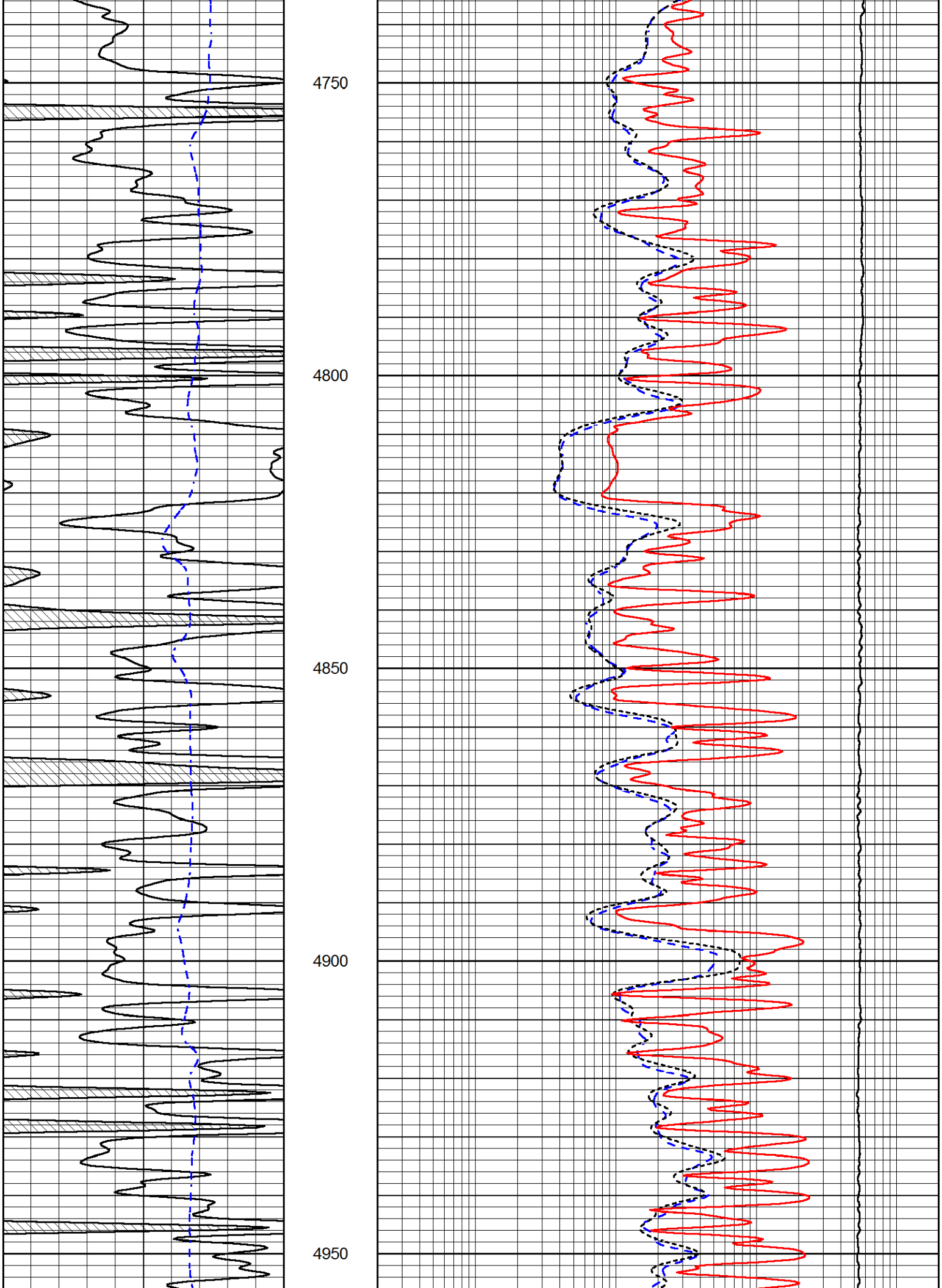
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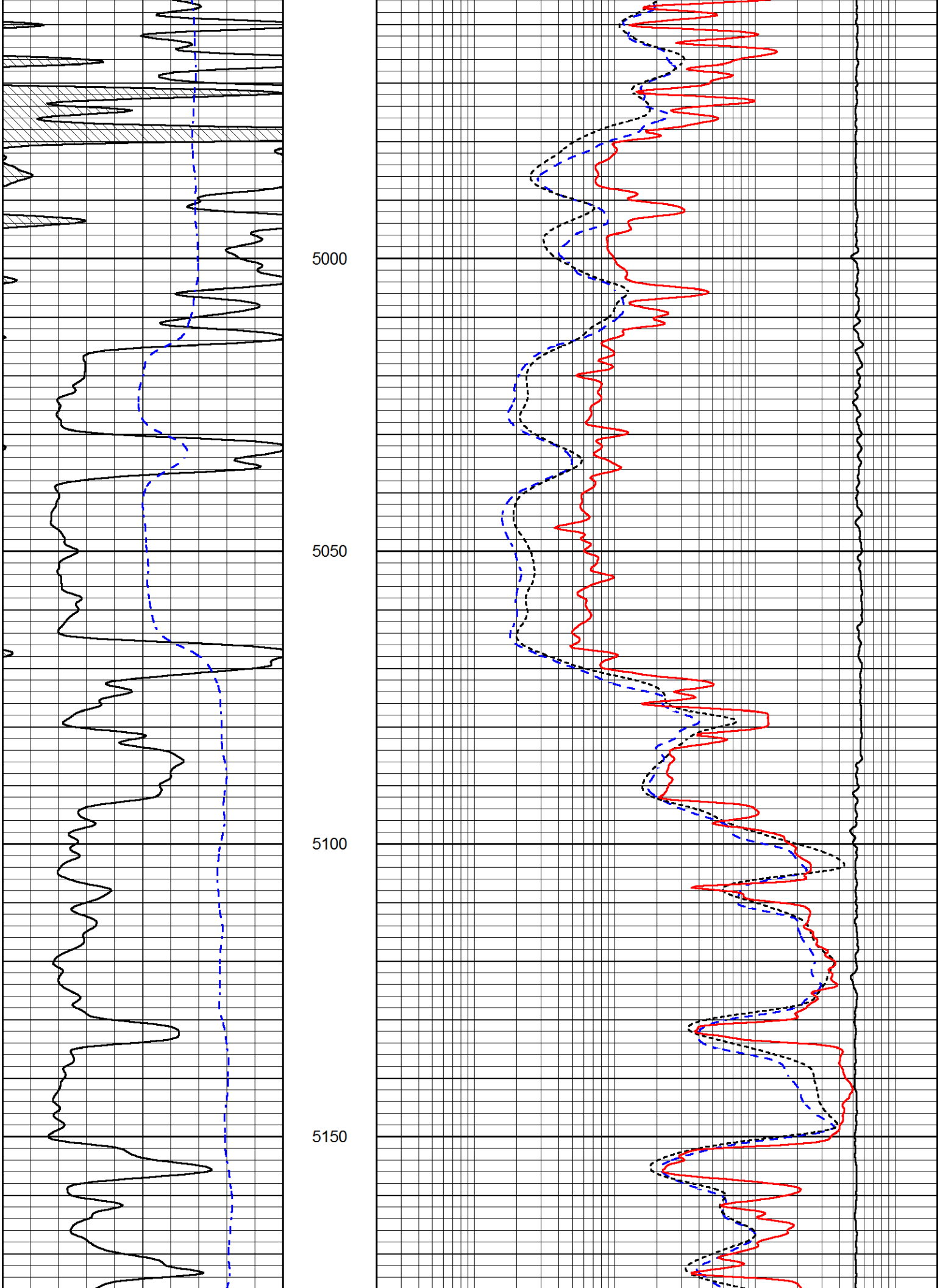
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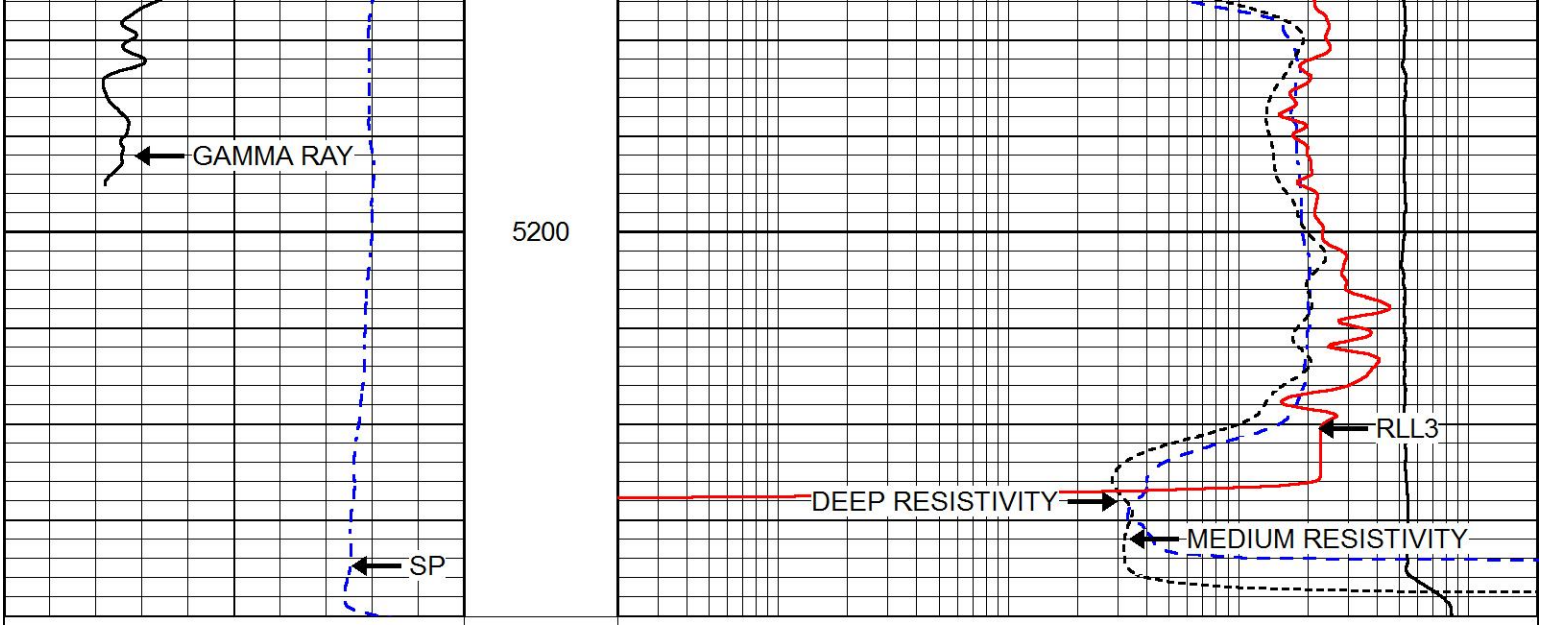


0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0

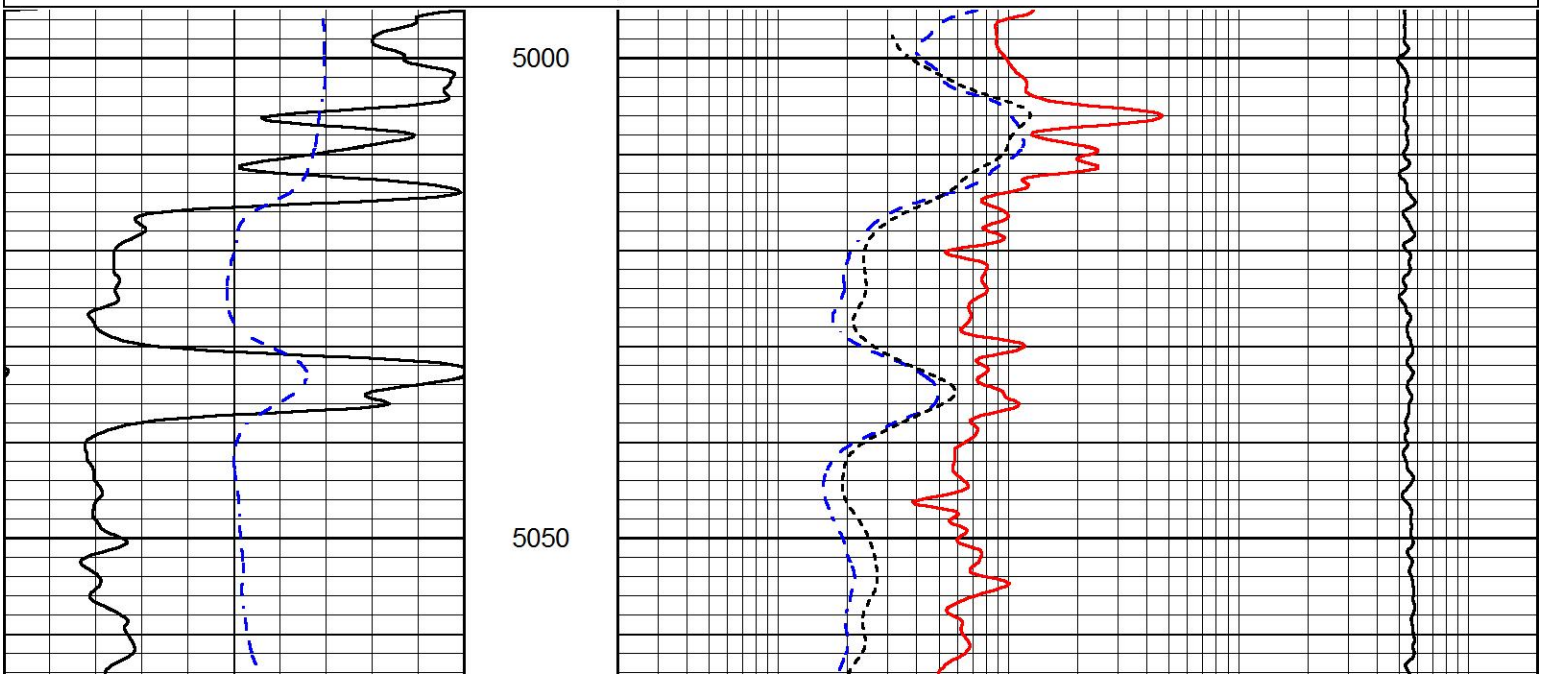
MIDWEST WIRELINE

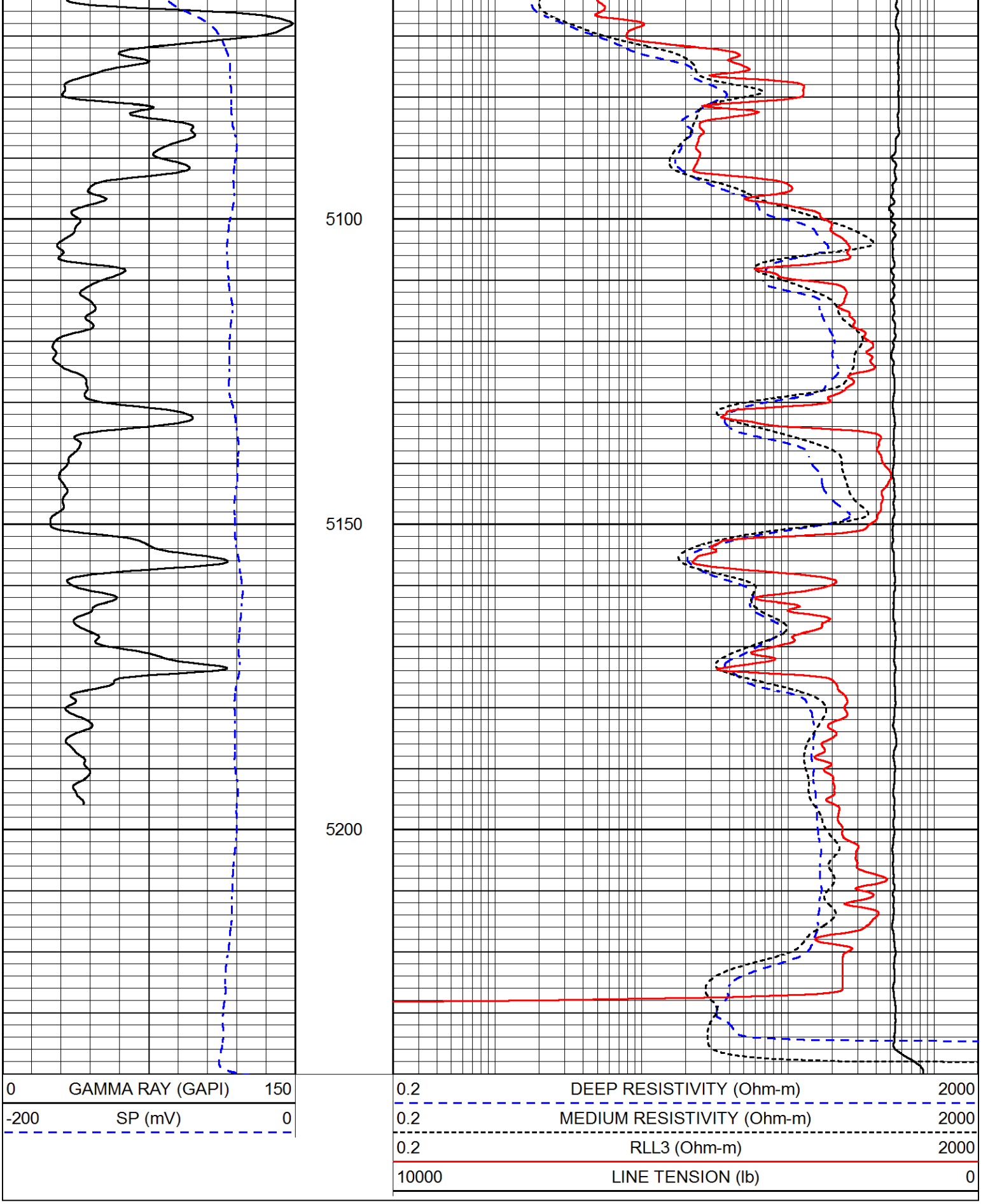
REPEAT SECTION

Database File	carmen_schmitt_sunray_1_28.db
Dataset Pathname	stackml/pass2.1
Presentation Format	_dil
Dataset Creation	Tue Jun 08 00:13:22 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	LINE TENSION (lb)	0




5100
5150
5200
0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0
0.2 DEEP RESISTIVITY (Ohm-m) 2000
0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
10000 LINE TENSION (lb) 0