DUAL INDUCTION LOG

Company BLACK ROCK RESOURCES, LLC.
Well FLORA #1-24
Field UNNAMED
County GOVE State KS

Location: API # : 15 063 22401

2310' FSL & 330' FEL

SEC 24 TWP 13S RGE 27W

Other Services
CDNL
ML

Elevation
K.B. 2448
D.F. 2446
G.L. 2438

Permanent Datum	Ground Level	Elevation	2438
Log Measured From	KB 10' AGL		
Drilling Measured From	KB		

Date	7/12/22		
Run Number	One		
Depth Driller	4370		
Depth Logger	4370		
Bottom Logged Interval	4368		
Top Log Interval	00		
Casing Driller	8 5/8" @ 270'		
Casing Logger	270		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/57		
pH / Fluid Loss	10.5/5.8		
Source of Sample	Pit		
Rm @ Meas. Temp	1.7@70degf		
Rmf @ Meas. Temp	1.3@70degf		
Rmc @ Meas. Temp	2.04@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.98@110degf		
Time Circulation Stopped	9:00 A.M.		
Time Logger on Bottom	11:30 AM		
Maximum Recorded Temperature	122degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	CHAD COUNTS		

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County GOVE
State KS

<<< Fold Here >>>

Comments

SOUTH OF QUINTER TO GOVE O RD. WEST 1.5, NORTH INTO.

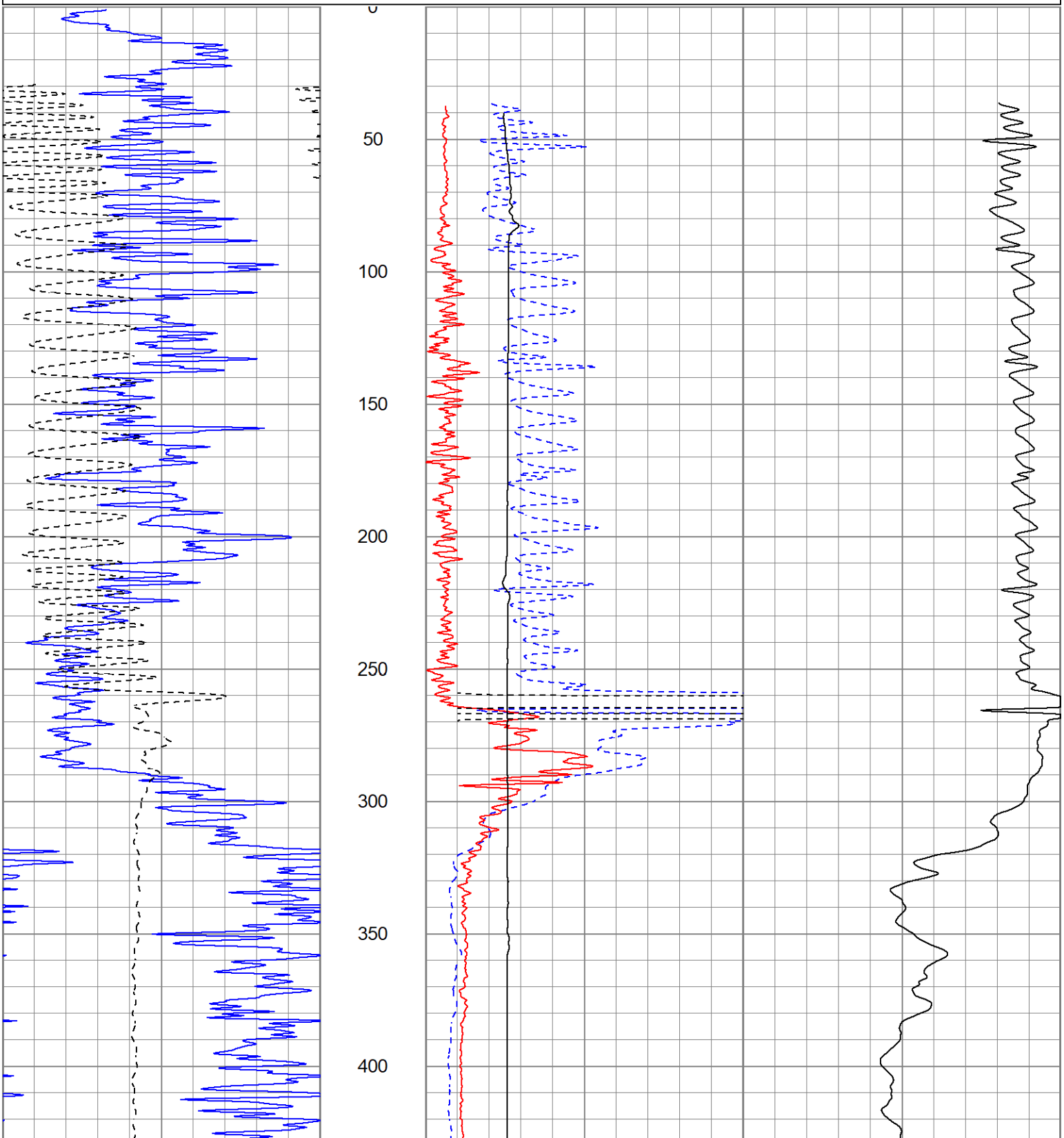
Thank You for using Gemini Wireline LLC
785-625-1182

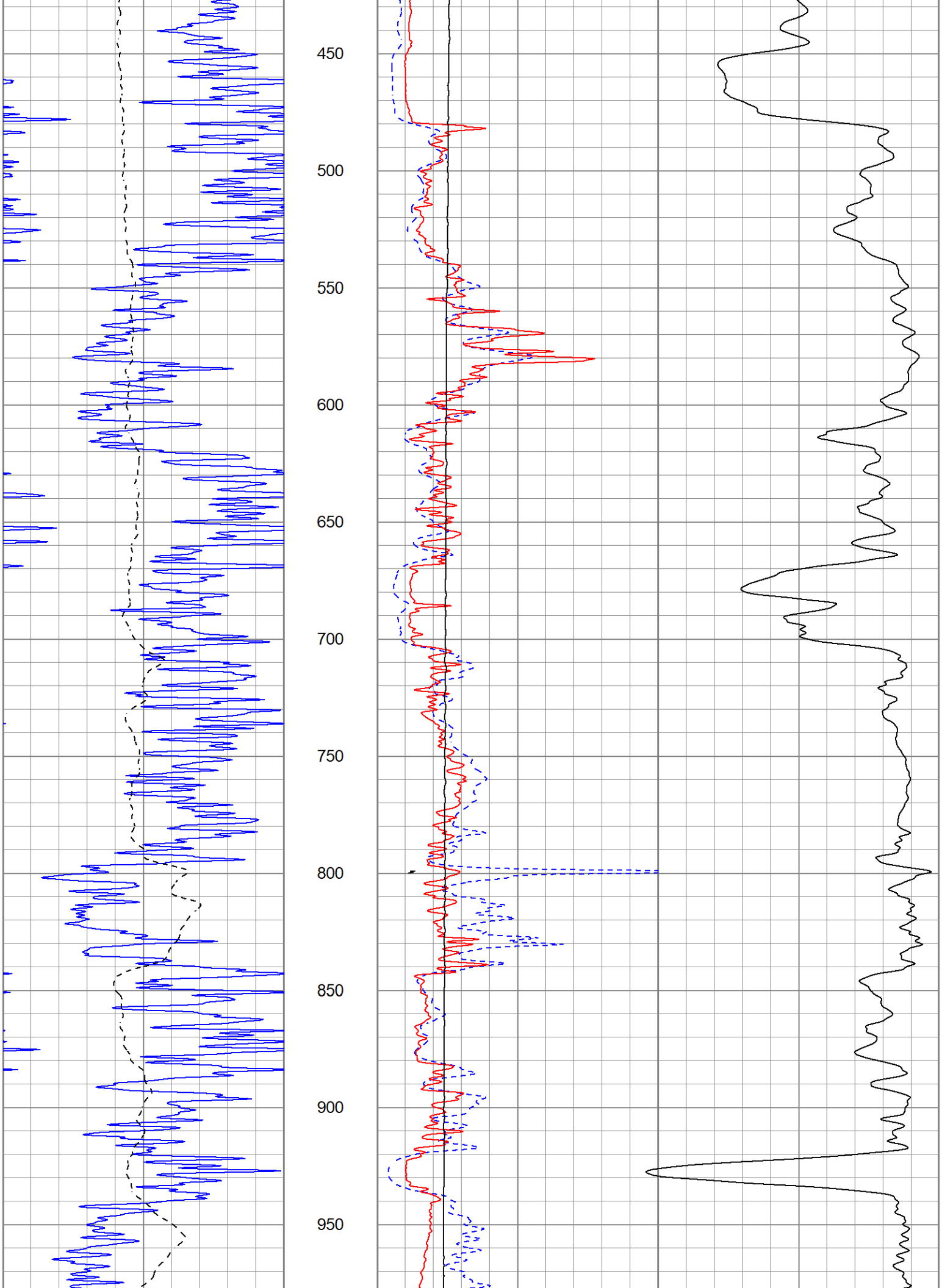
MAIN PASS

Database File	brflora#1-24oh.db
Dataset Pathname	pass3.1
Presentation Format	kdillinn
Dataset Creation	Tue Jul 12 12:40:44 2022
Charted by	Depth in Feet scaled 1:600

0	GR (GAPI)	150
-100	SP (mV)	100

1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

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650
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750
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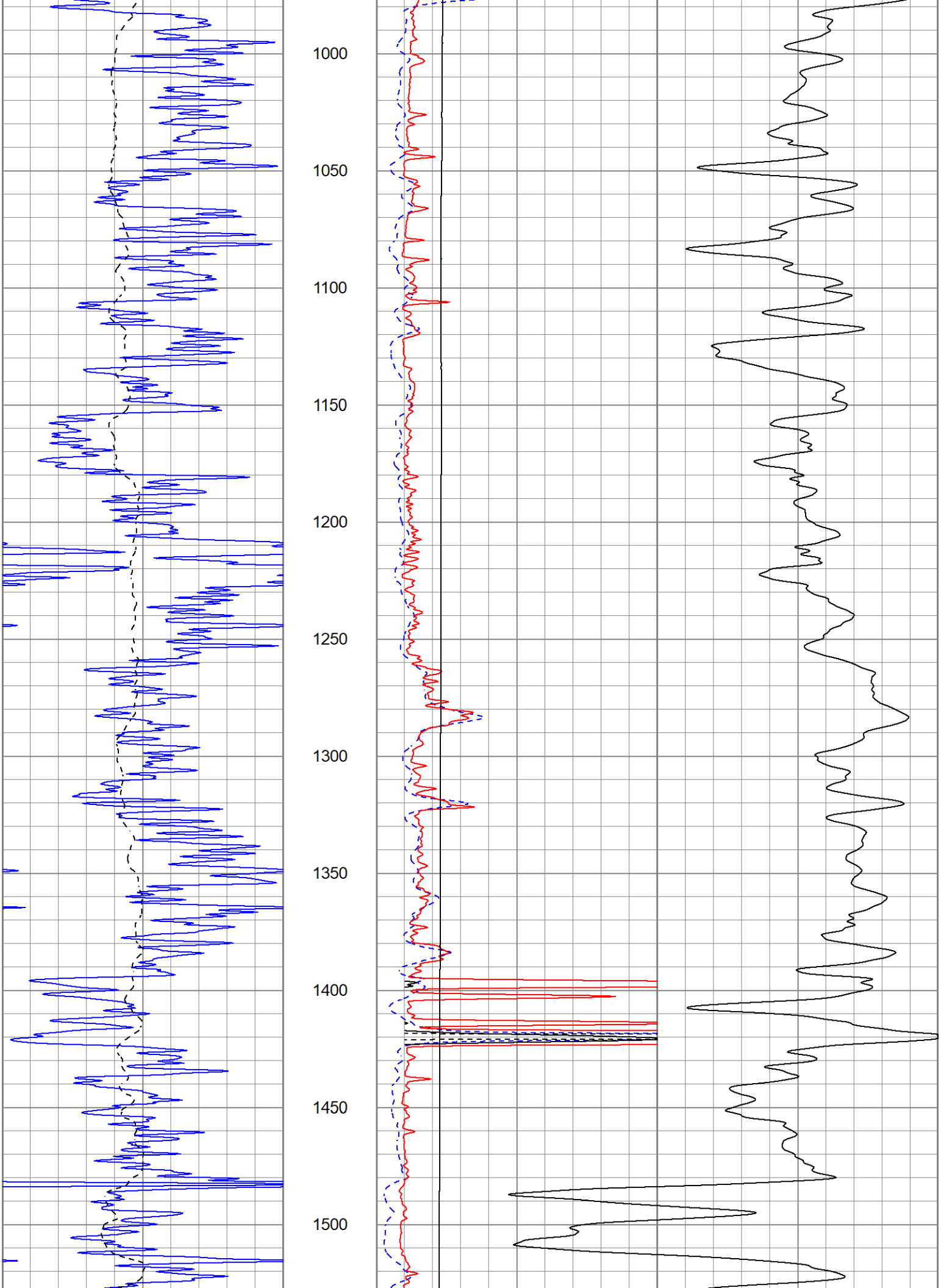
900
950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1200
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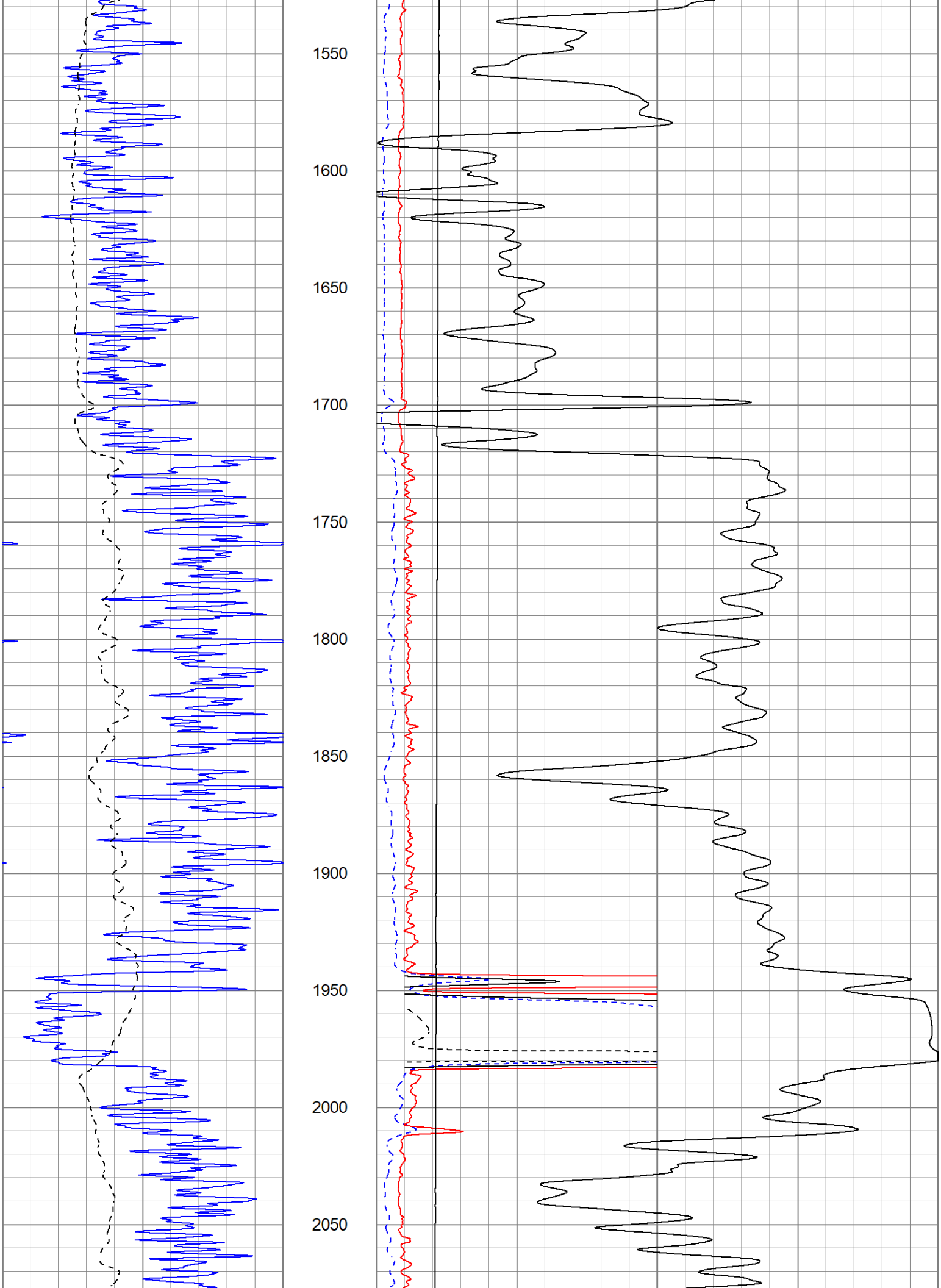
1300
1350
1400
1450
1500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2000
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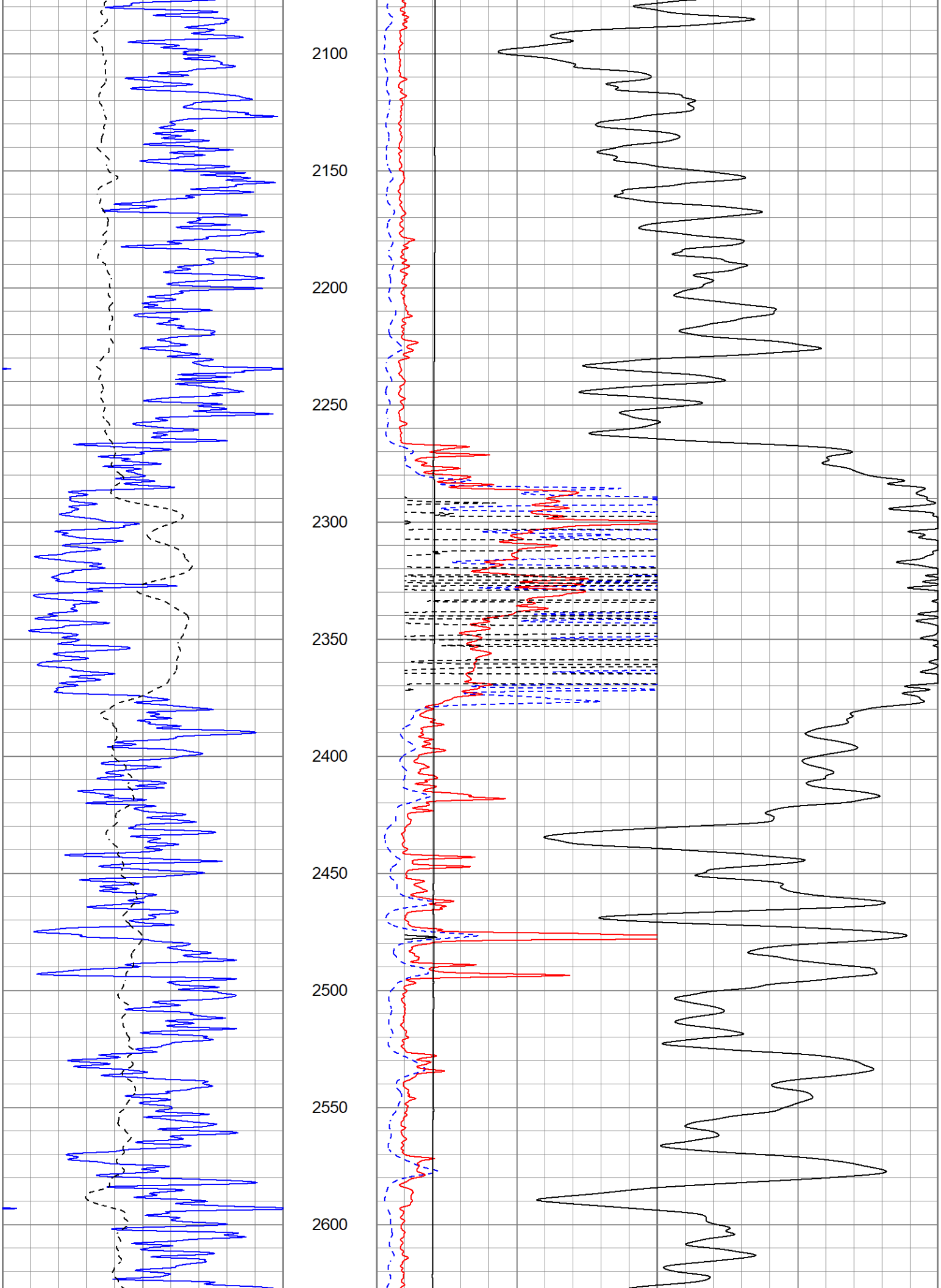
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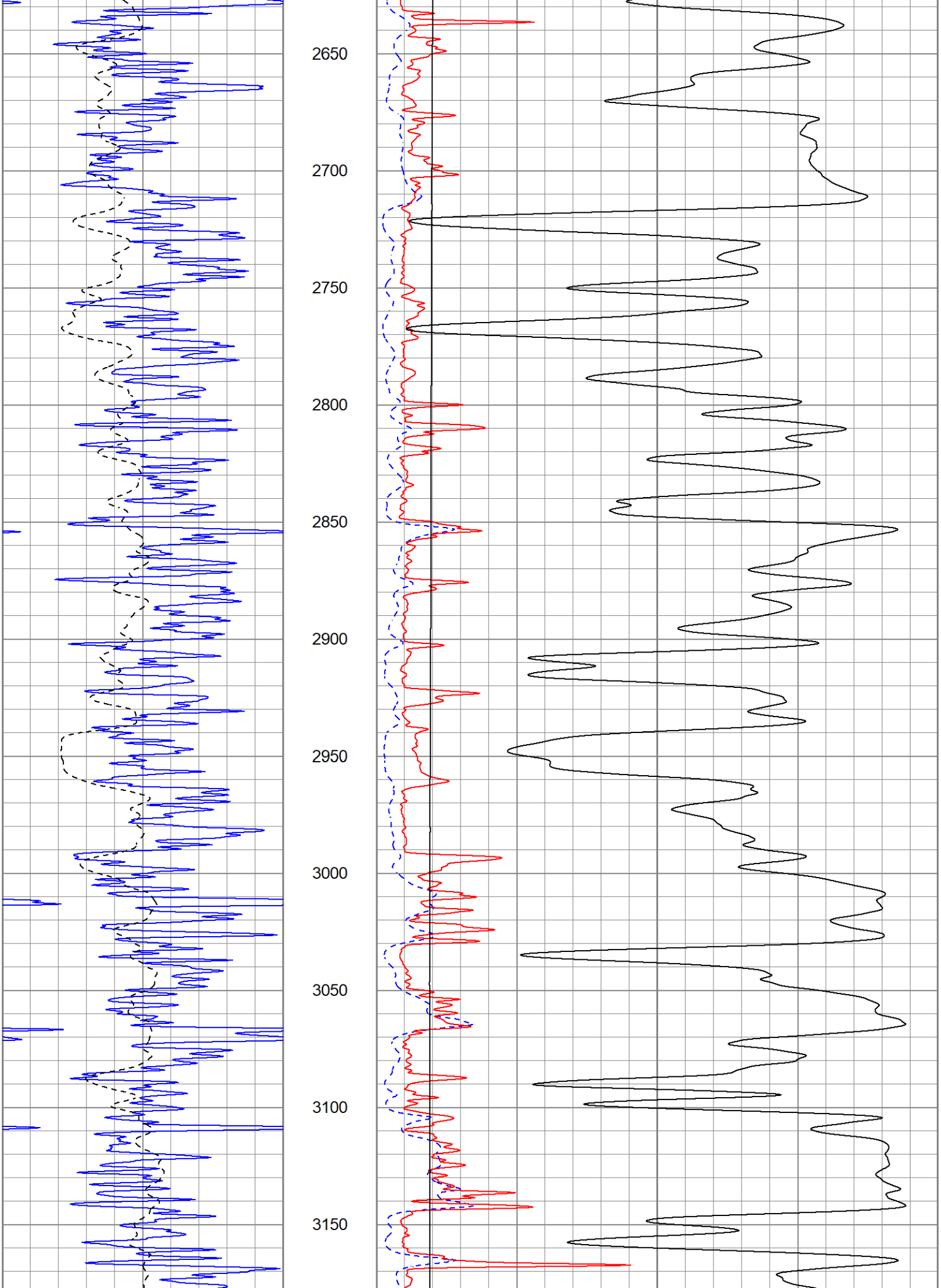
2400
2450
2500
2550
2600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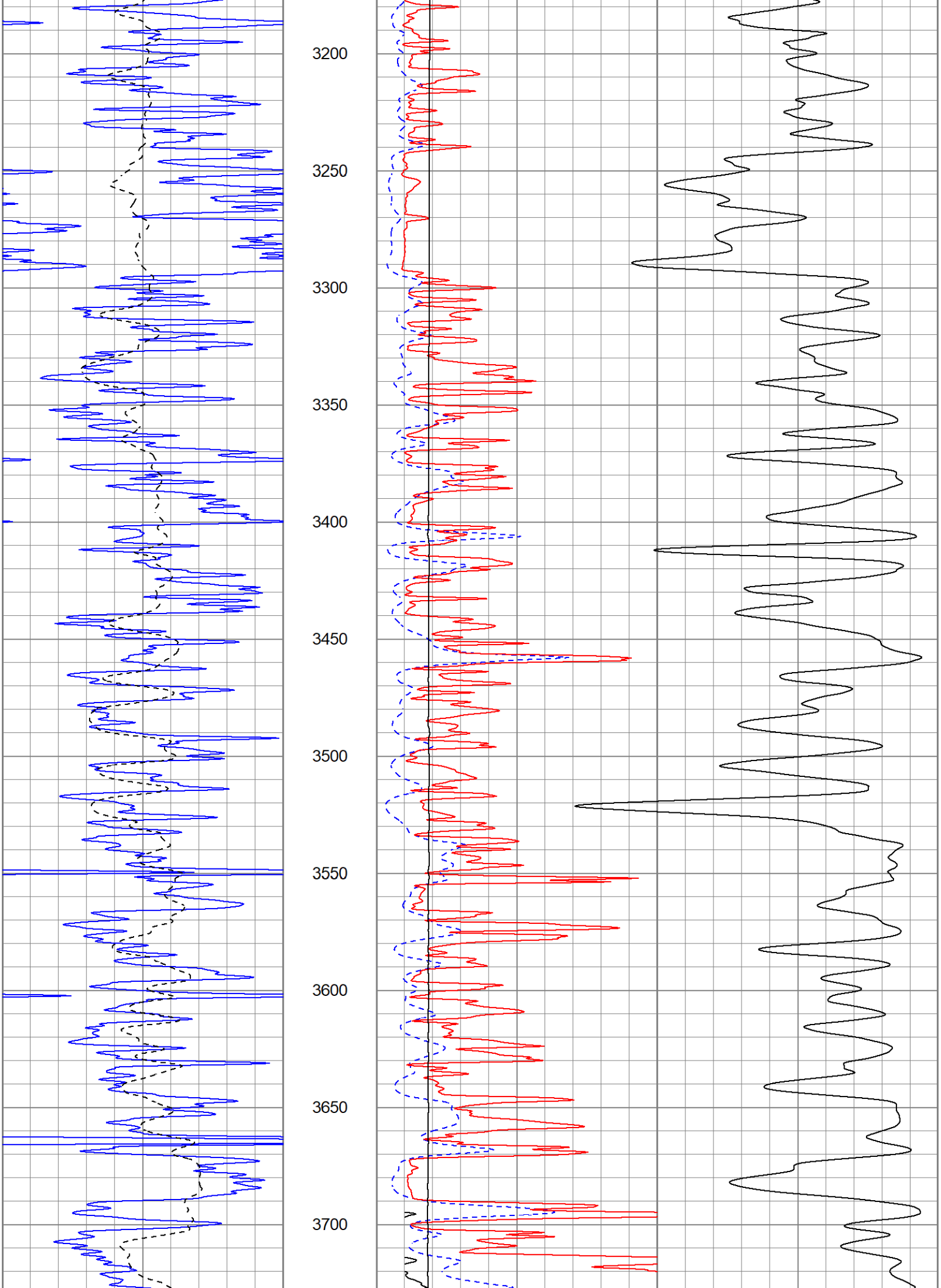
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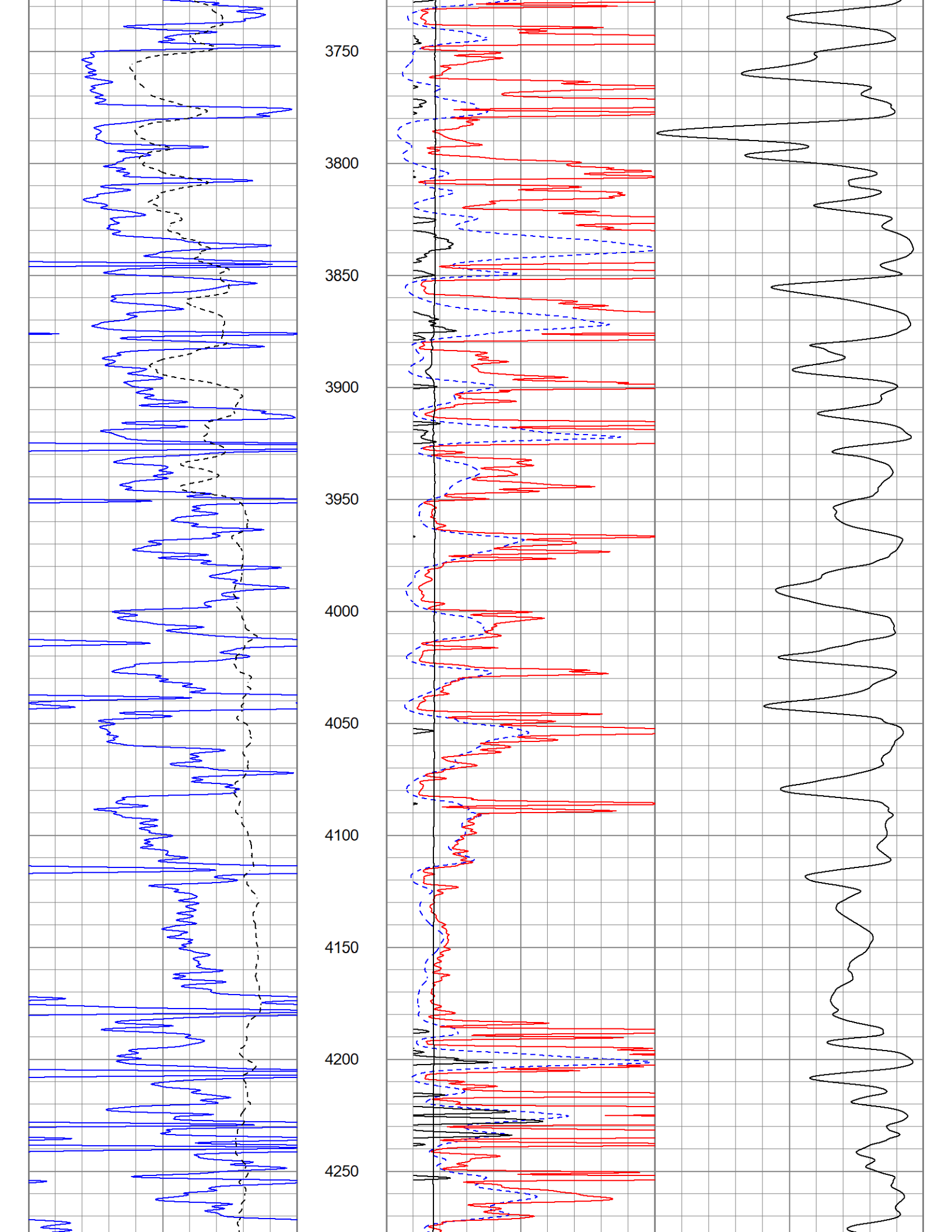
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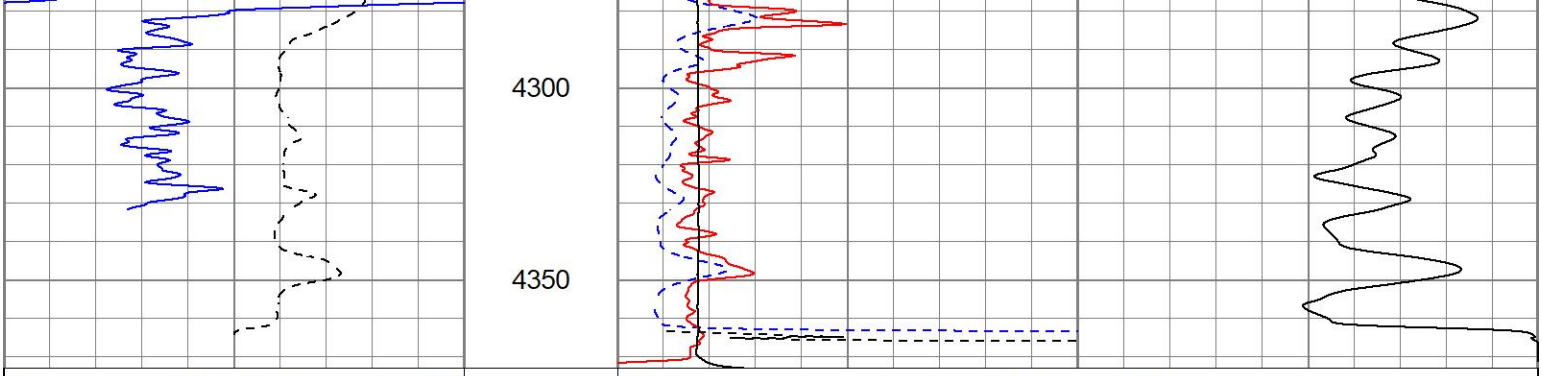
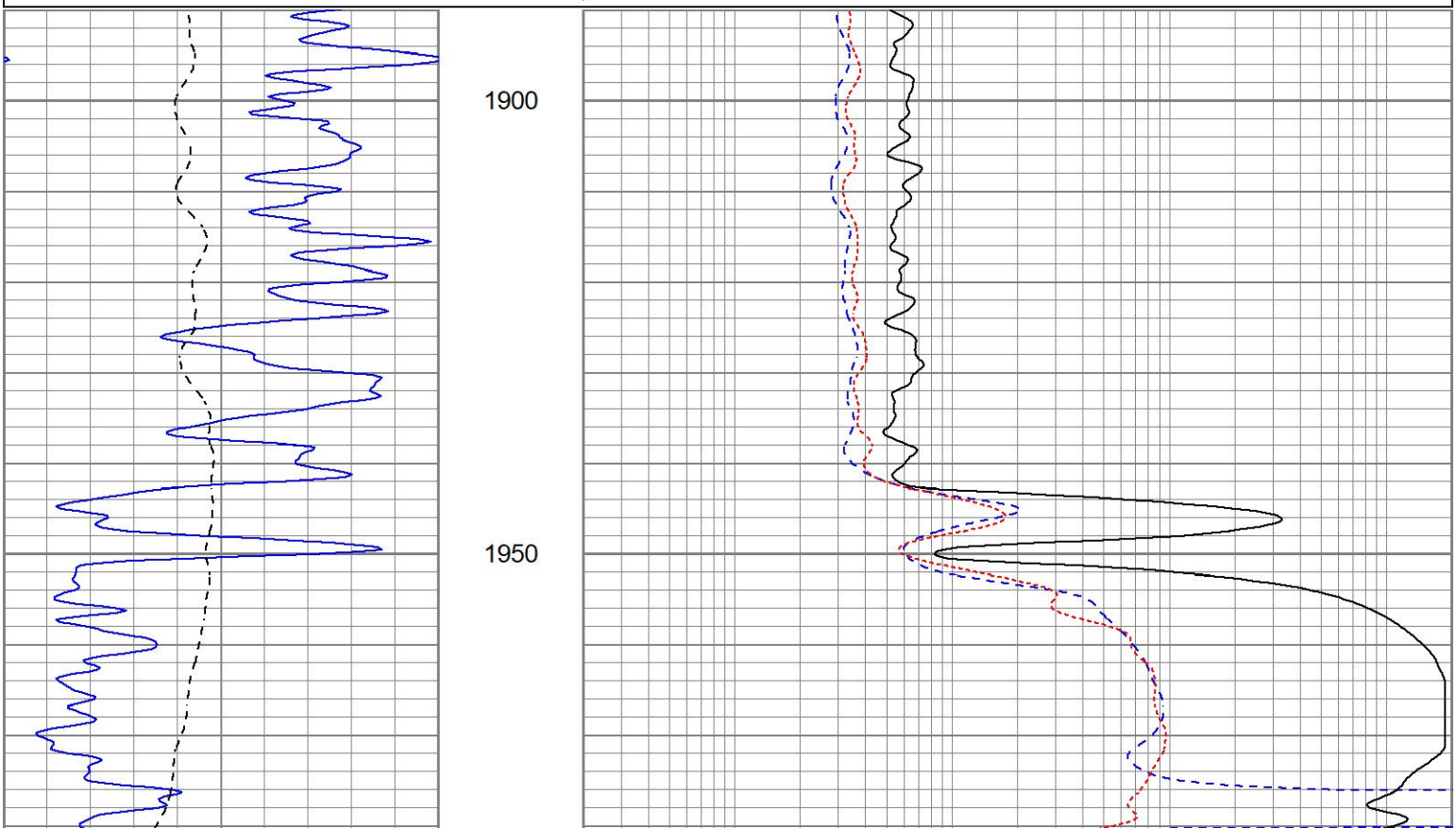


0	GR (GAPI)	150
-100	SP (mV)	100
1000	CILD (mmho/m)	0
10000	LTEN (lb)	0
0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

MAIN PASS

Database File	brflora#1-24oh.db
Dataset Pathname	pass3.1
Presentation Format	kdil
Dataset Creation	Tue Jul 12 12:40:44 2022
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



0	GR (GAPI)	150
-100	SP (mV)	100

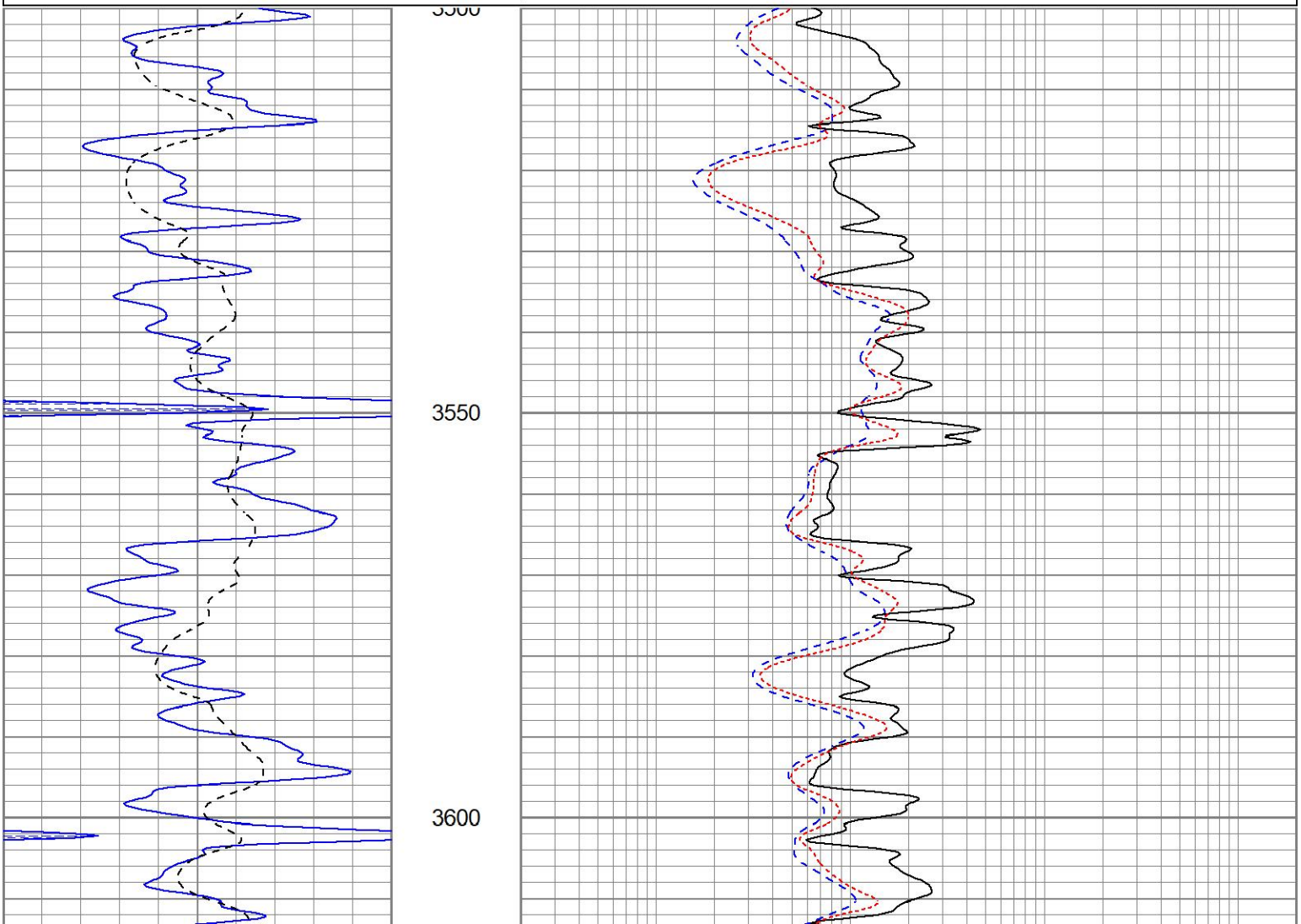
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

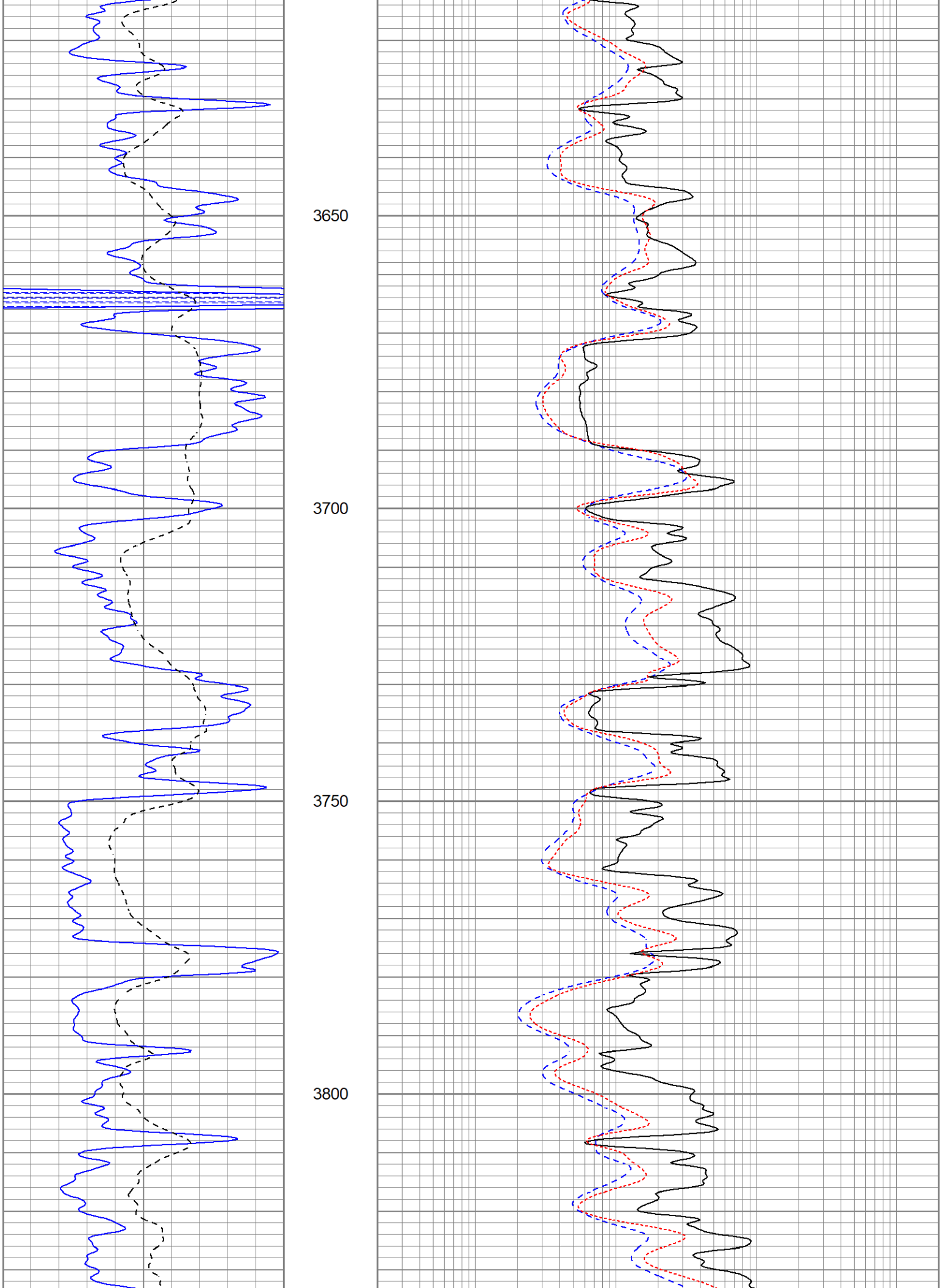
MAIN PASS

Database File	brflora#1-24oh.db
Dataset Pathname	pass3.1
Presentation Format	kdil
Dataset Creation	Tue Jul 12 12:40:44 2022
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

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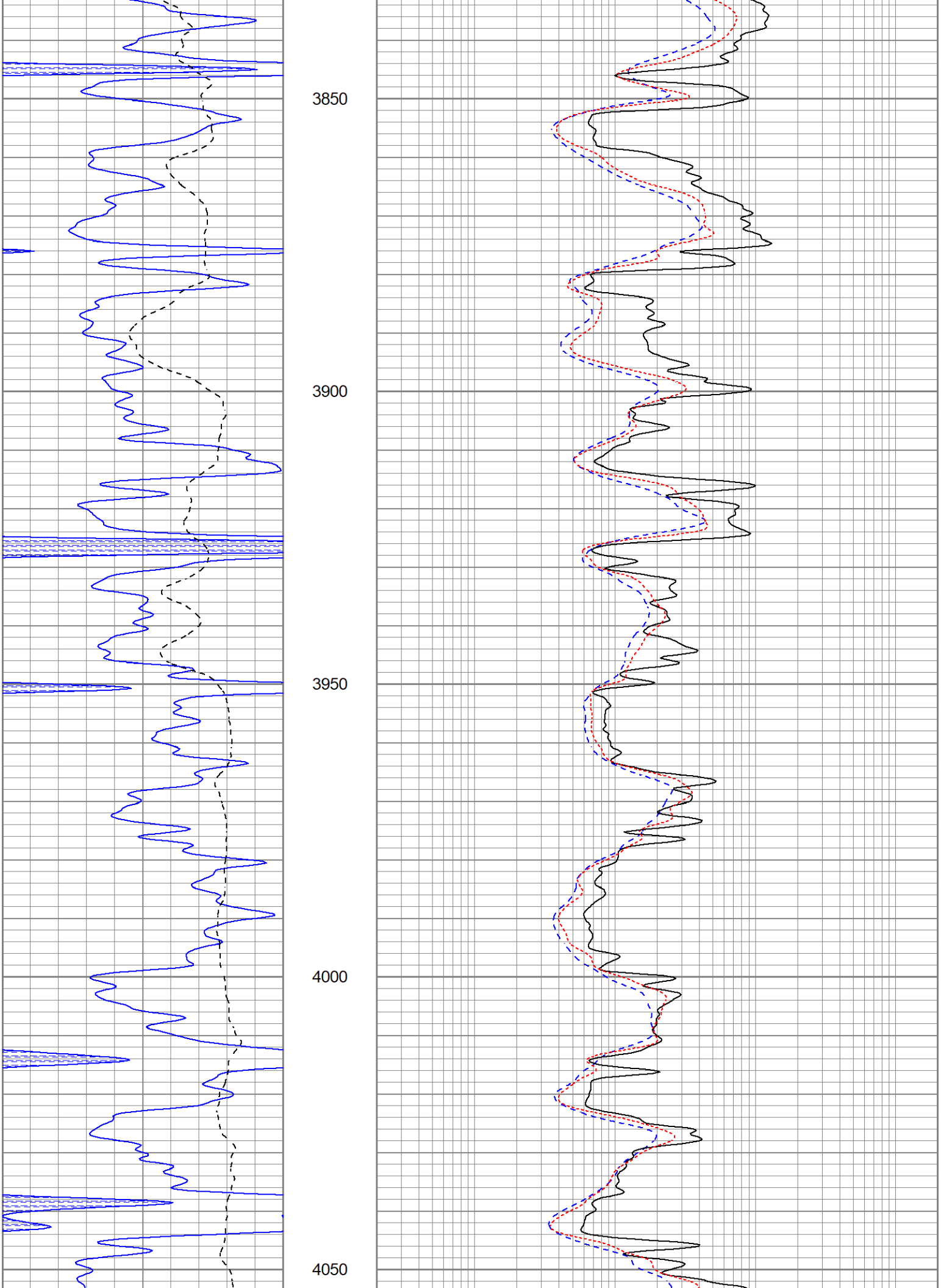
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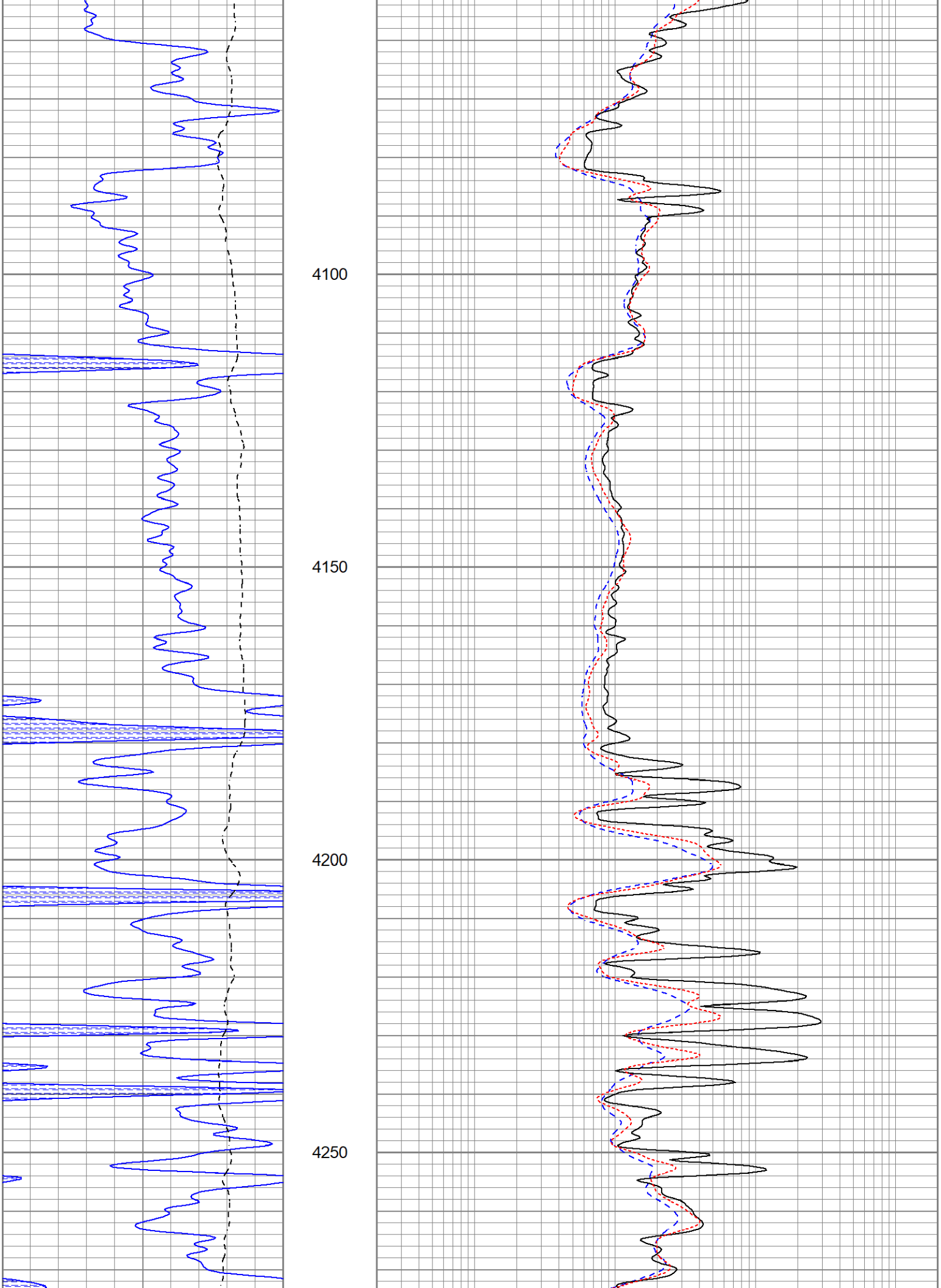
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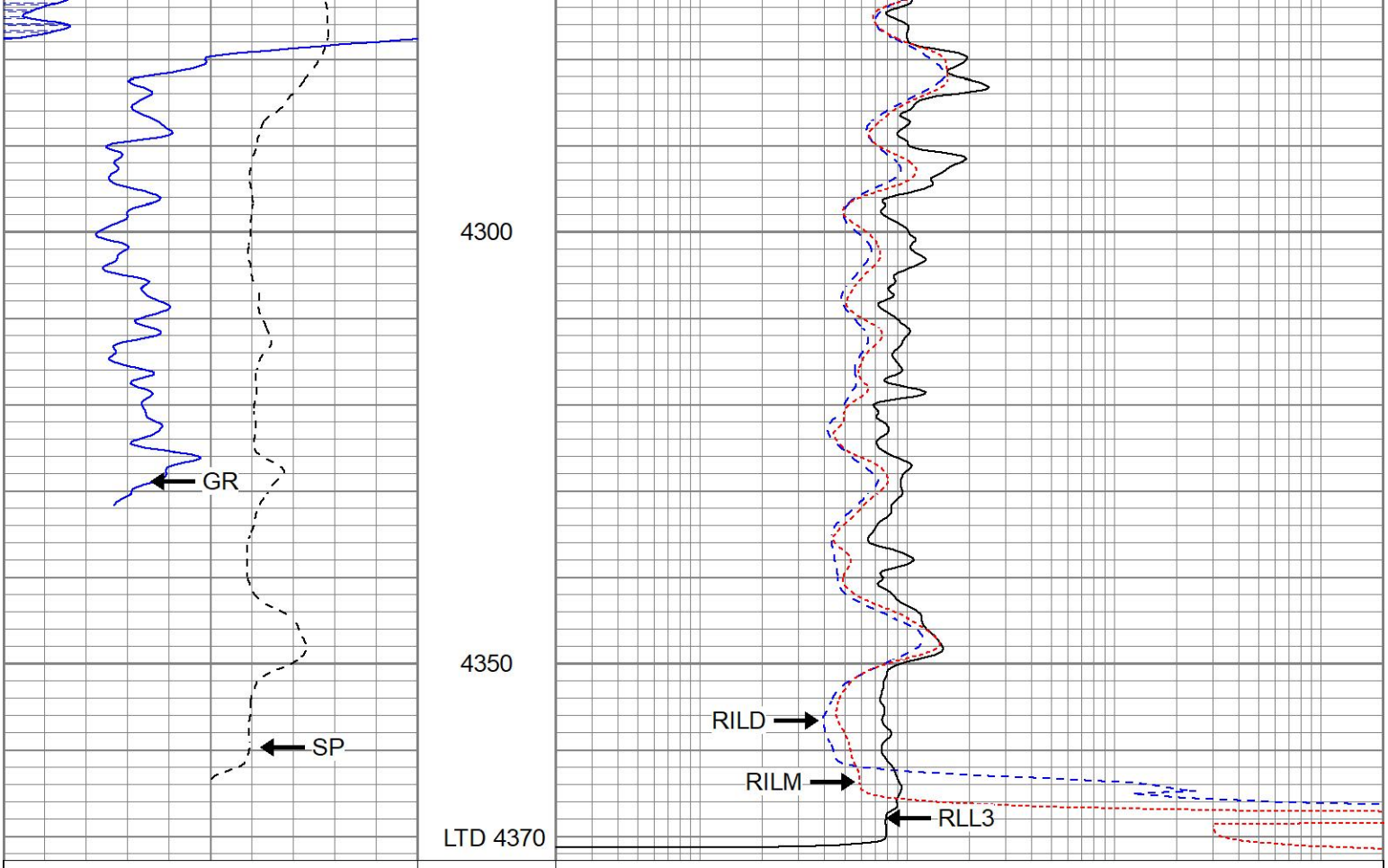


0	GR (GAPI)	150
-100	SP (mV)	100

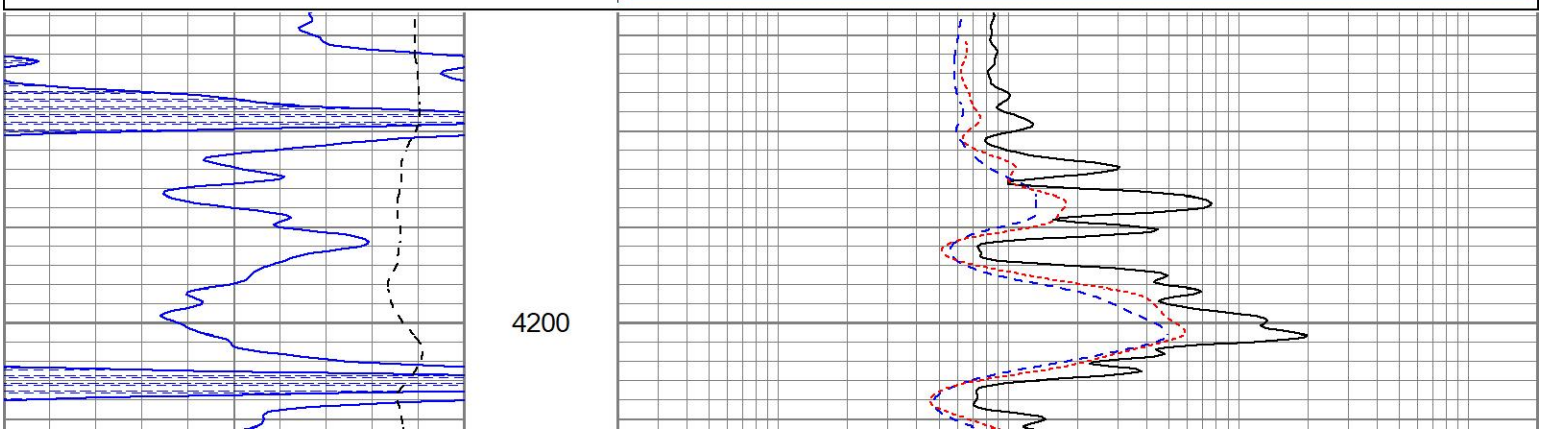
0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

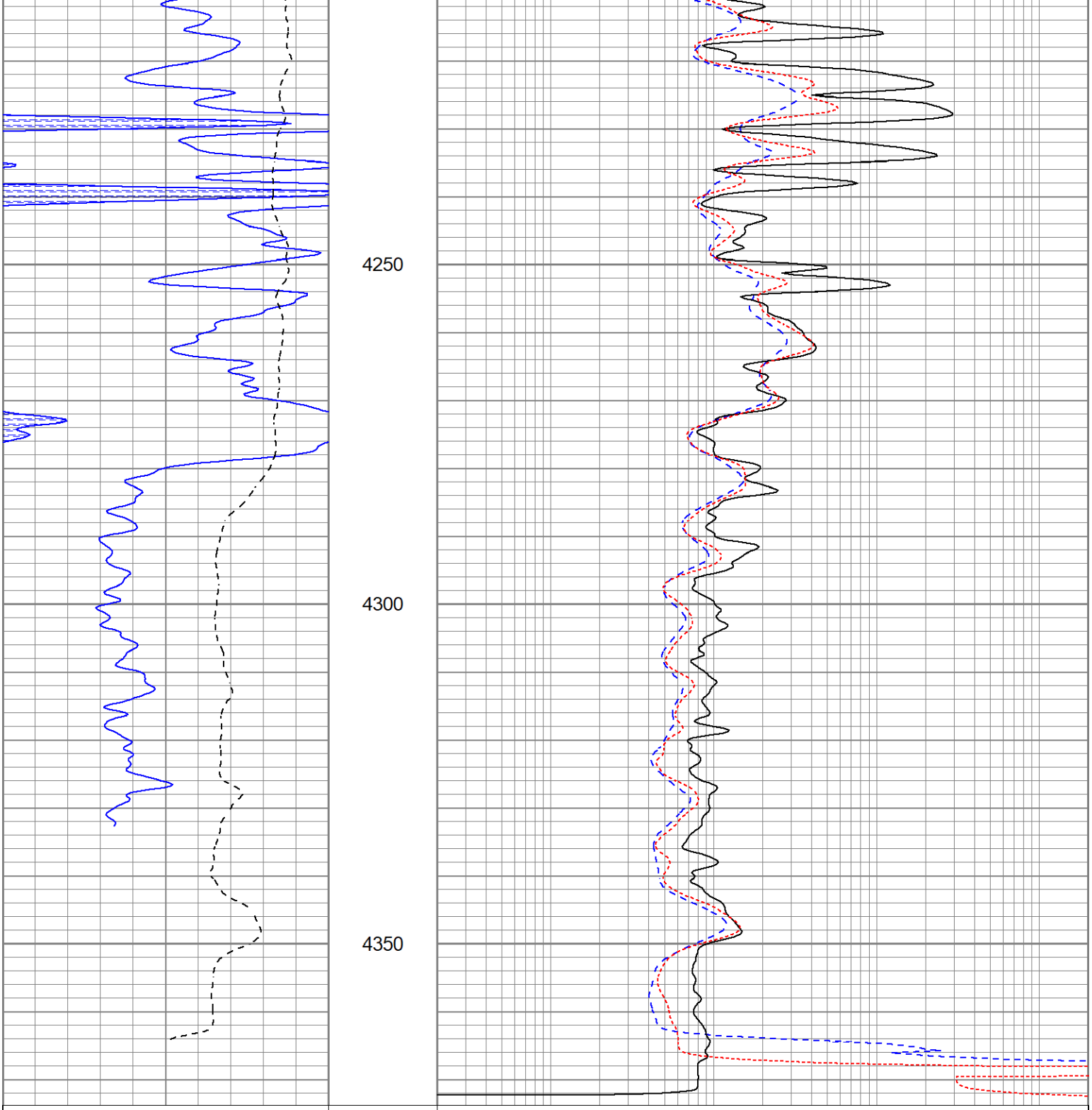
REPEAT SECTION

Database File	brflora#1-24oh.db
Dataset Pathname	pass2.1
Presentation Format	kdil
Dataset Creation	Tue Jul 12 12:44:35 2022
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000





Calibration Report

Database File	brflora#1-24oh.db
Dataset Pathname	pass2.1
Dataset Creation	Tue Jul 12 12:44:35 2022

Dual Induction Calibration Report

Serial-Model:	1842-ADM
Surface Cal Performed:	Mon Sep 20 22:00:42 2021
Downhole Cal Performed:	Mon Sep 20 22:00:24 2021
After Survey Verification Performed:	Mon Sep 20 22:05:52 2021

After Survey Verification Performed: Mon Sep 20 22:00:02 2021

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	180.330	-1.504

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	AD5139	
Tool Model:	ADMY5139	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithMC			
Tool Model:	WMC			
Performed:	Fri Apr 19 12:15:04 2019			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Inclinometer Calibration Report

Performed: Wed May 5 19:20:48 2021

Low Read.	High Read.	Low Ref.	High Ref.

X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Wed Jun 15 11:53:49 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps