DUAL INDUCTION LOG

Company RAYMOND OIL COMPANY, INC.
Well #1 GIBBS "A" UNIT
Field UNNAMED
County HODGEMAN State KANSAS

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Well #1 GIBBS "A" UNIT
Field UNNAMED
County HODGEMAN
State KANSAS

Location: API # : 15-083-22003-0000
214' FSL & 653' FWL
SE - SW - SW - SW
SEC 10 TWP 21S RGE 23W

Other Services
CDL/CNL
MEL

Permanent Datum GROUND LEVEL Elevation 2345
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2350
D.F. 2348
G.L. 2345

Date	6/11/22	
Run Number	ONE	
Depth Driller	4676	
Depth Logger	4677	
Bottom Logged Interval	4675	
Top Log Interval	00	
Casing Driller	8 5/8"@261'	
Casing Logger	261	
Bit Size	7 7/8"	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 11,700 PPM
Density / Viscosity	9.4/51	
pH / Fluid Loss	8.5/12.4	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.400@92F	
Rmf @ Meas. Temp	.300@92F	
Rmc @ Meas. Temp	.480@92F	
Source of Rmf / Rmc	MEASURED	
Rm @ BHT	.302@122F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom	12:30 P.M.	
Maximum Recorded Temperature	122F	
Equipment Number	8916	
Location	HAYS, KANSAS	
Recorded By	JEFF LUEBBERS	
Witnessed By	KIM SHOEMAKER	

<<< Fold Here >>>

Comments

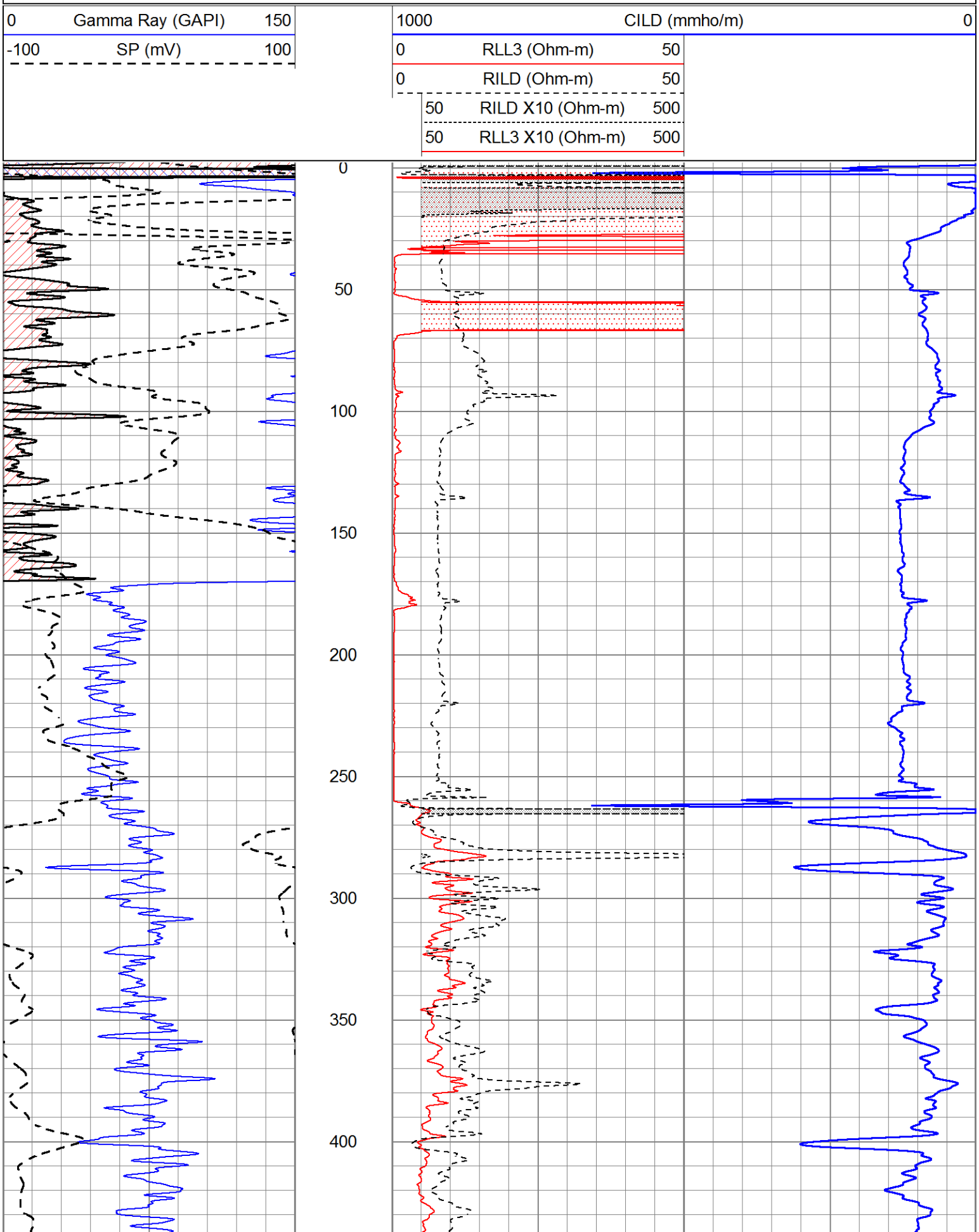
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

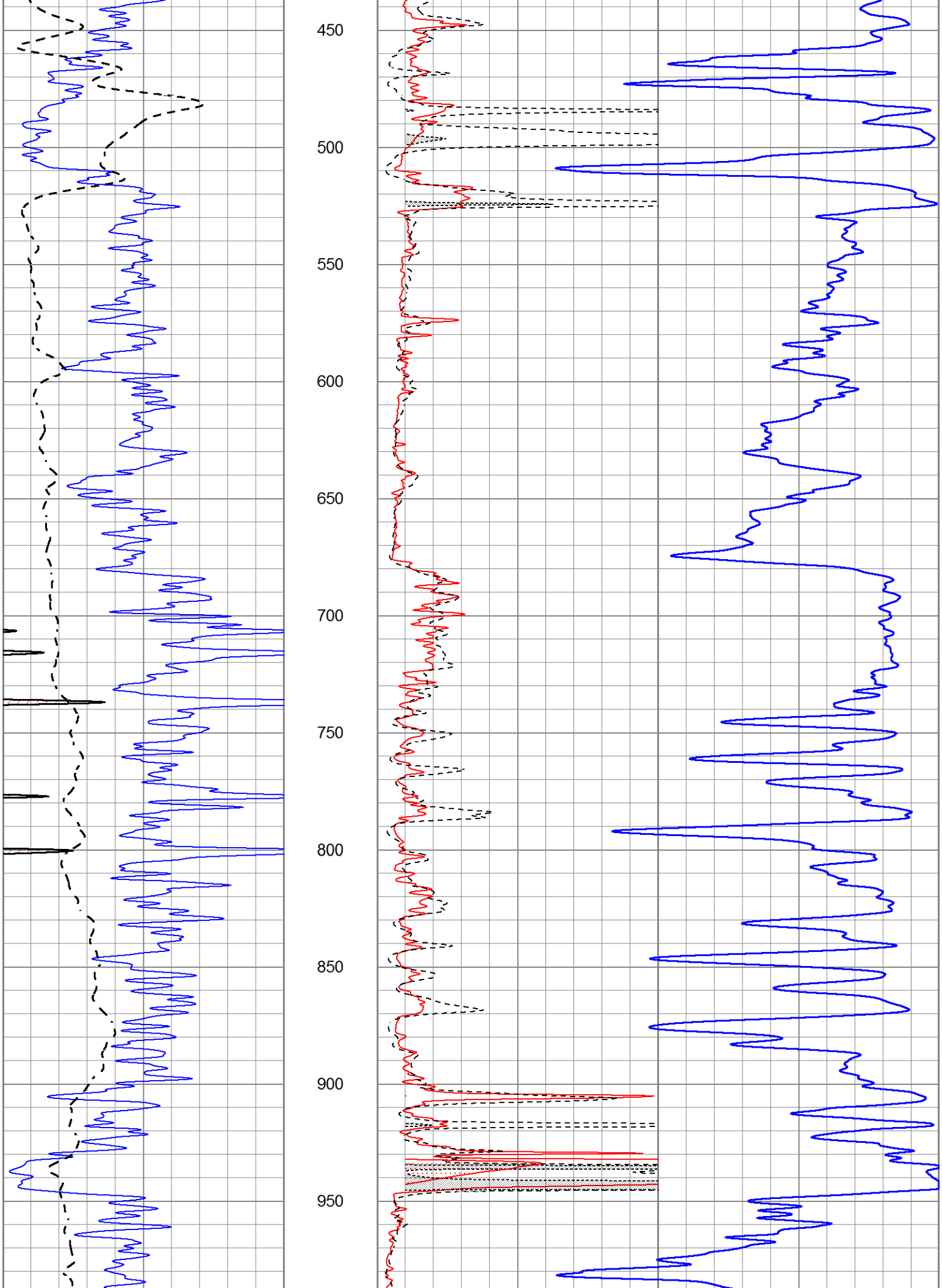
DIRECTIONS:

NESS CITY, KS., 11S. ON HWY 283 TO "RD. X", 4E. TO "RD. 222", 1S. TO "RD. W", 1W., N. INTO

MAIN SECTION

Database File	6565ddn.db
Dataset Pathname	pass3.1M
Presentation Format	dil2
Dataset Creation	Sat Jun 11 14:15:57 2022
Charted by	Depth in Feet scaled 1:600

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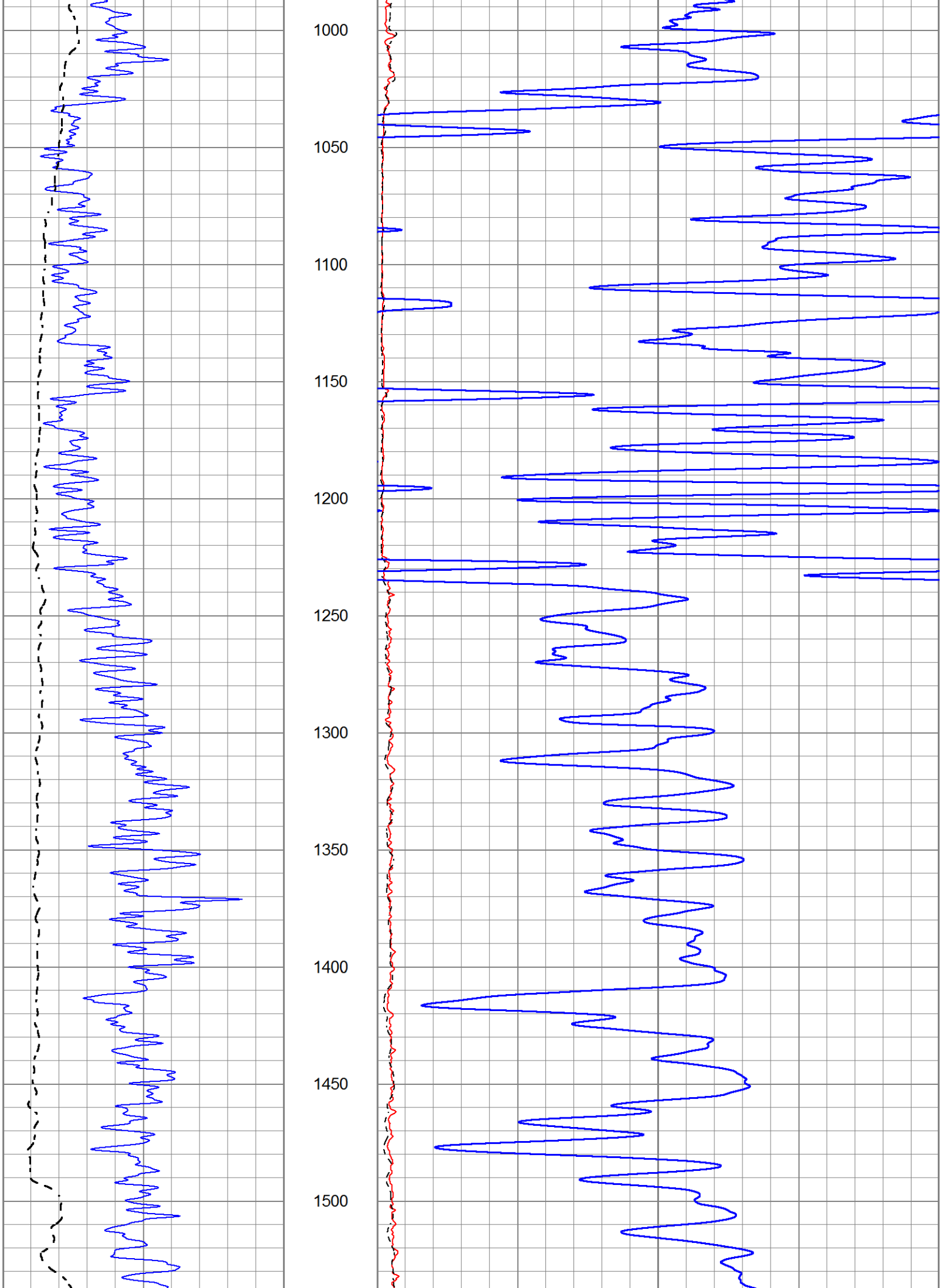
900
950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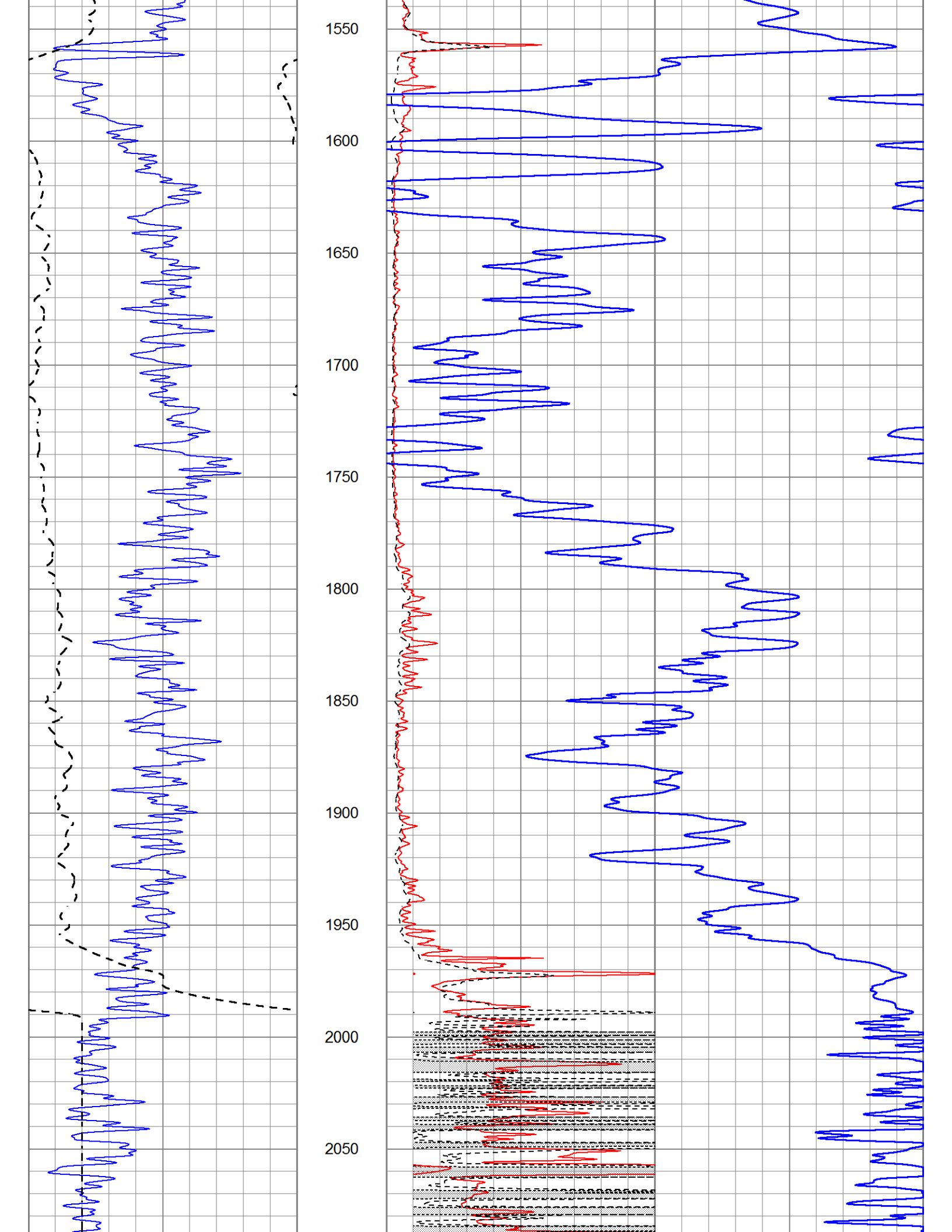
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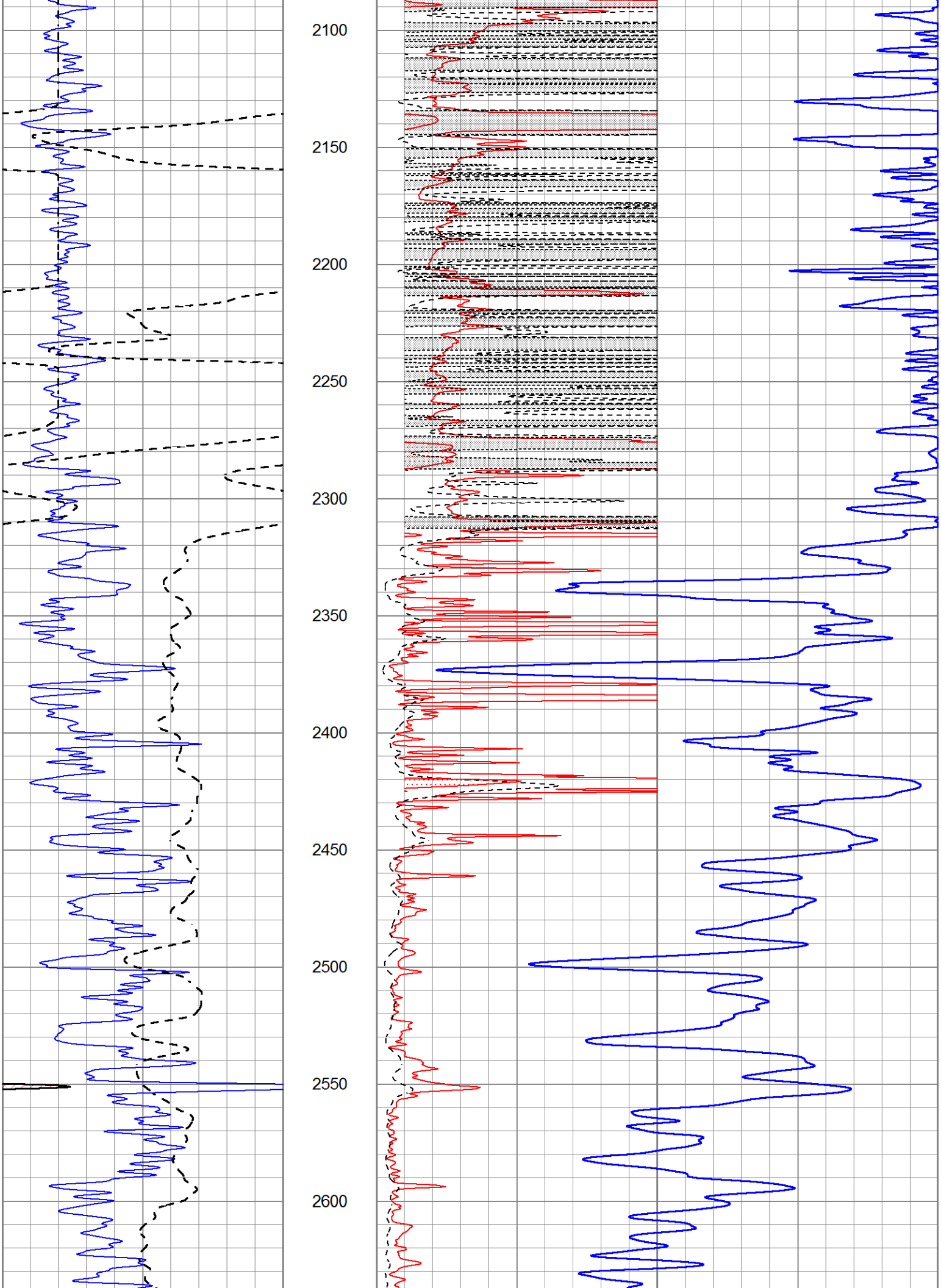
1850
1900
1950
2000
2050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2500
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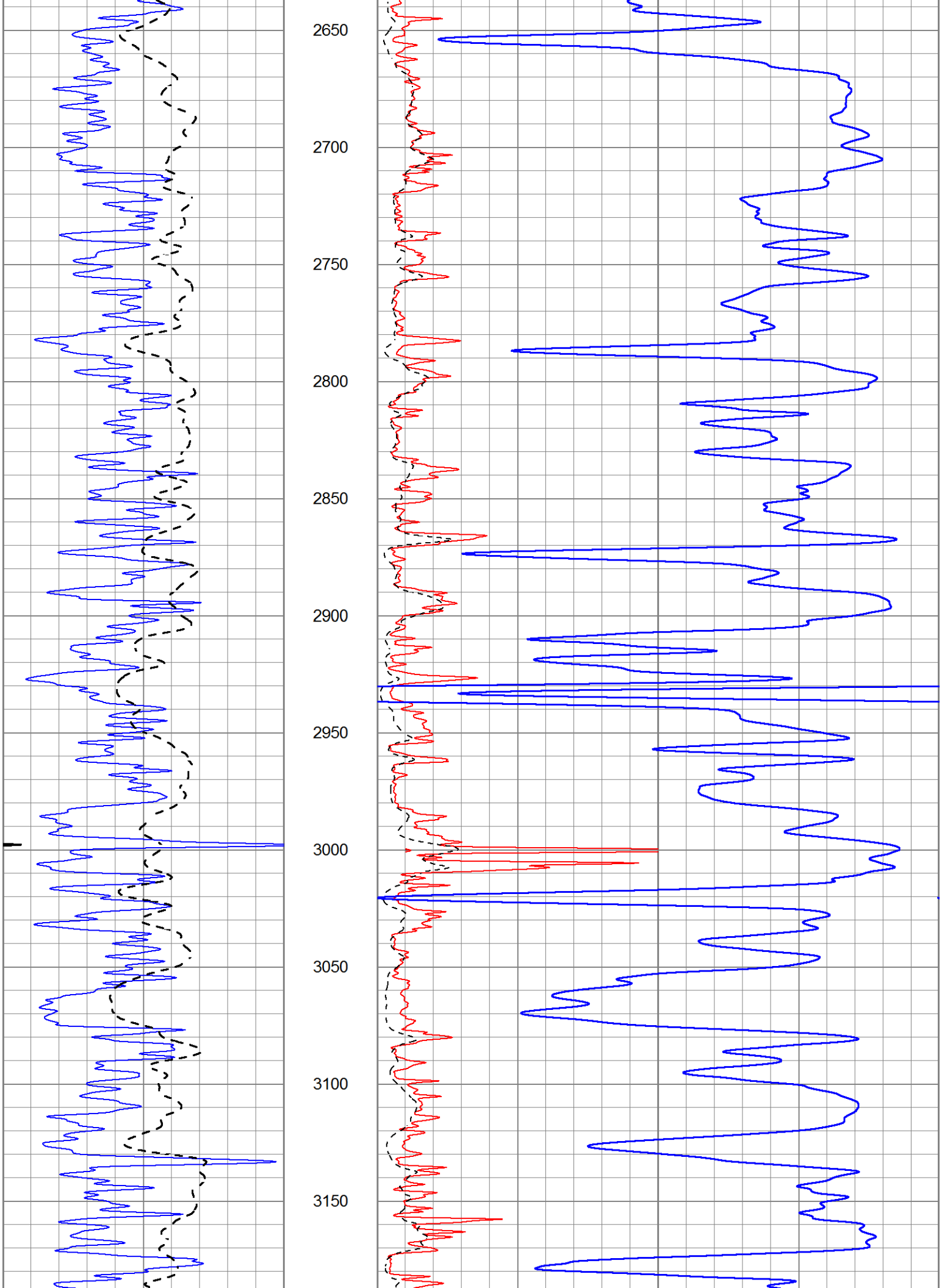
2600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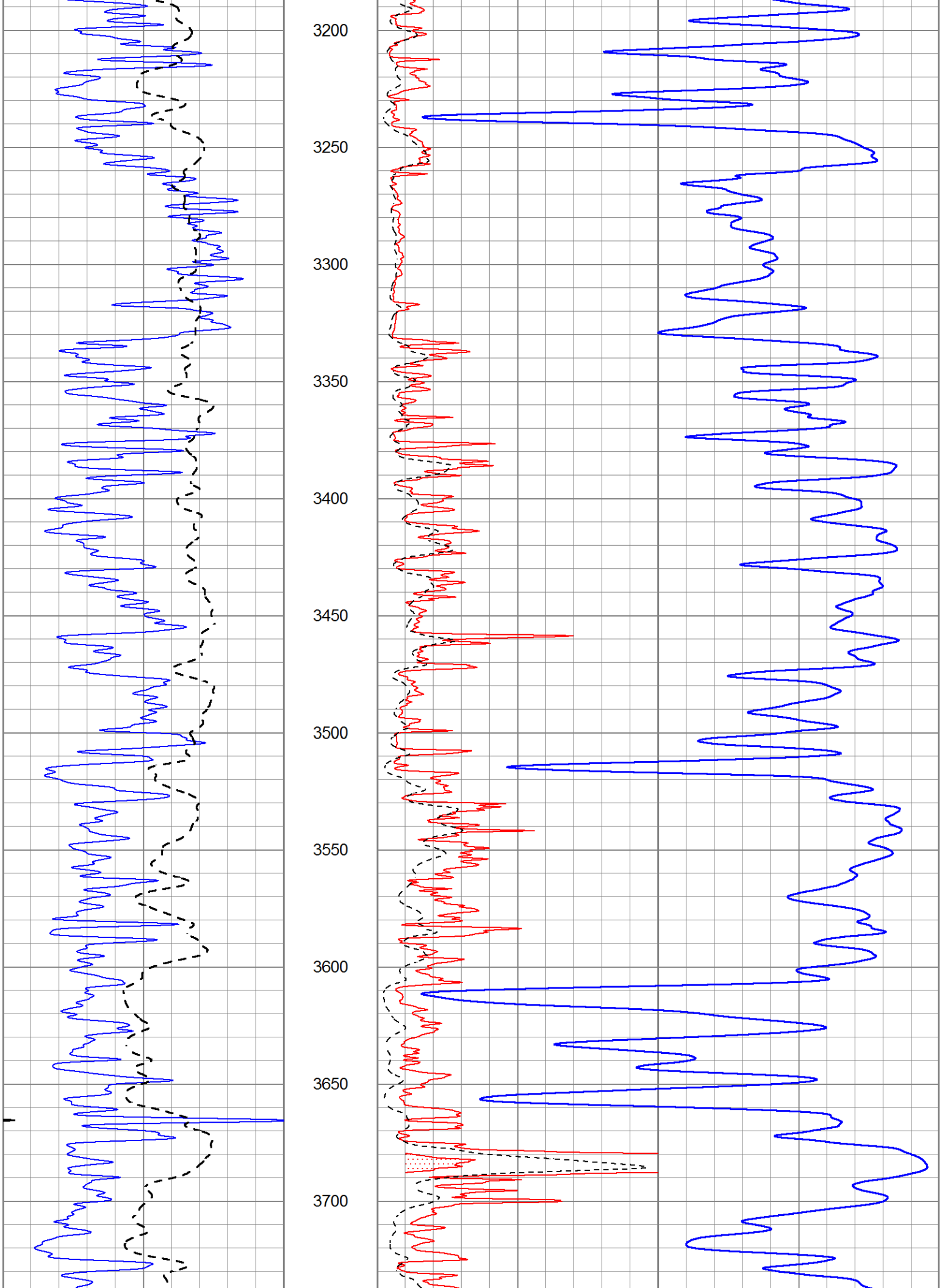
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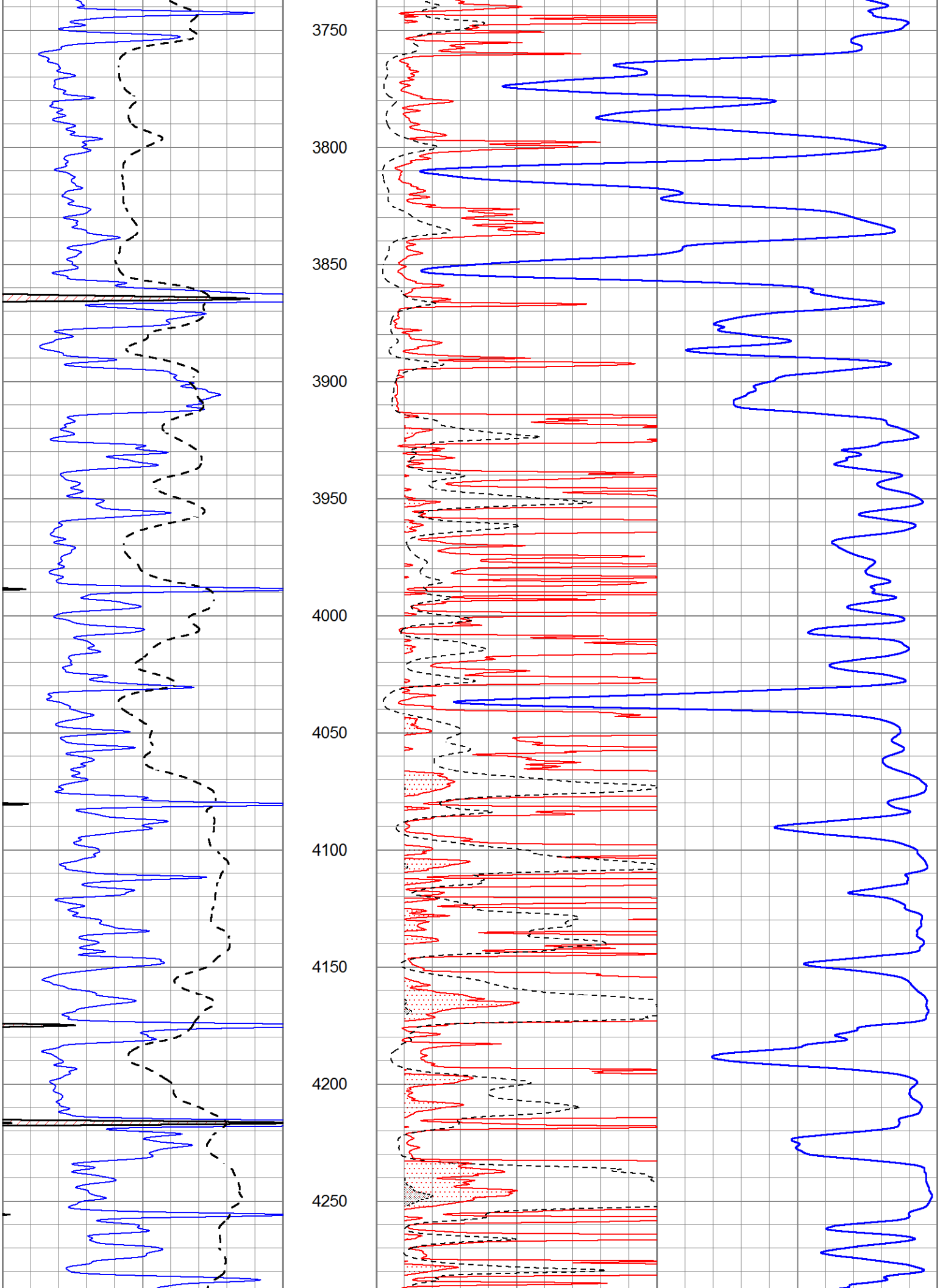
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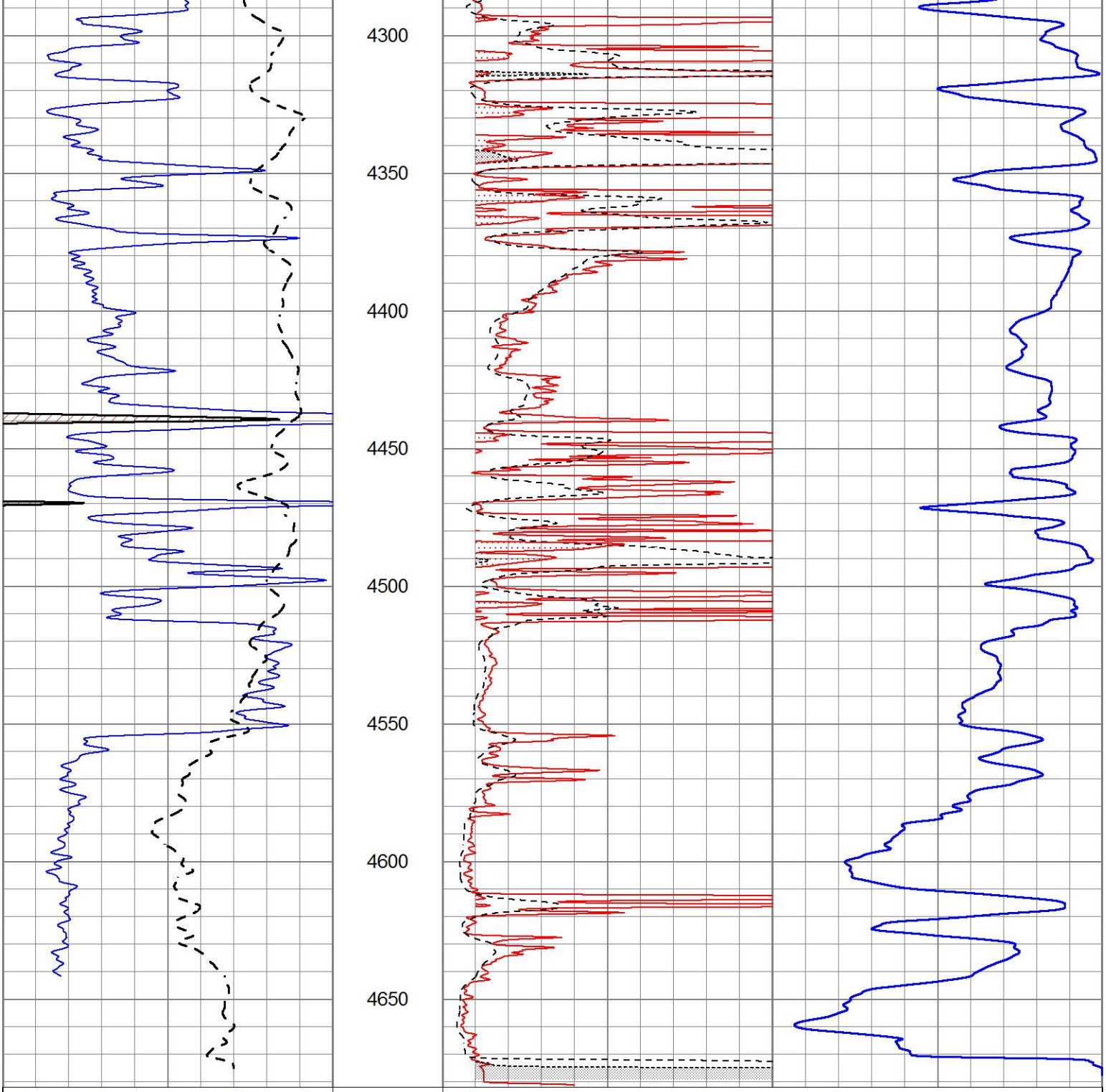


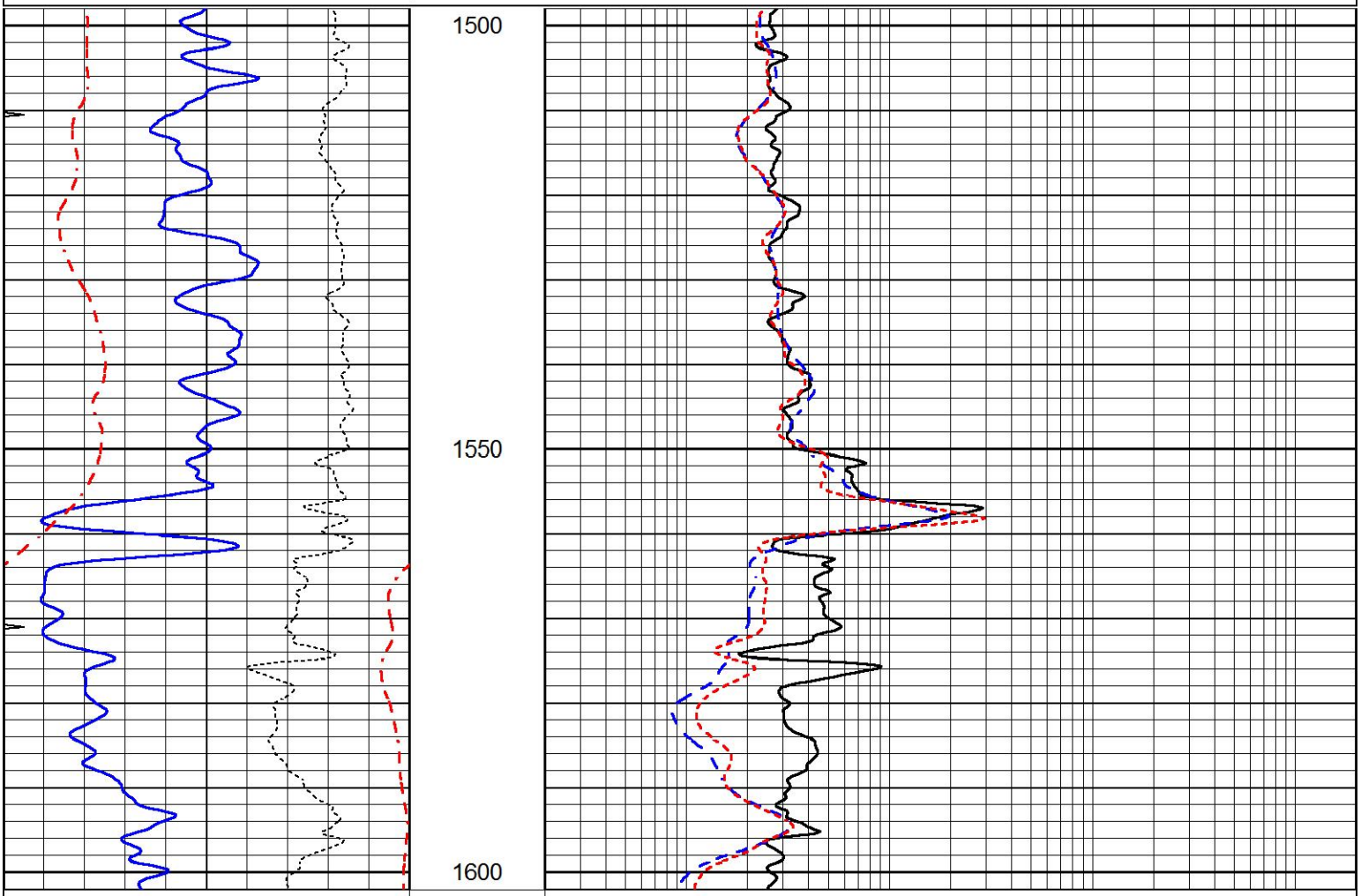
ANHYDRITE

Database File	6565ddn.db
Dataset Pathname	pass3.1A
Presentation Format	_dil

Dataset Creation	Sat Jun 11 14:16:22 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

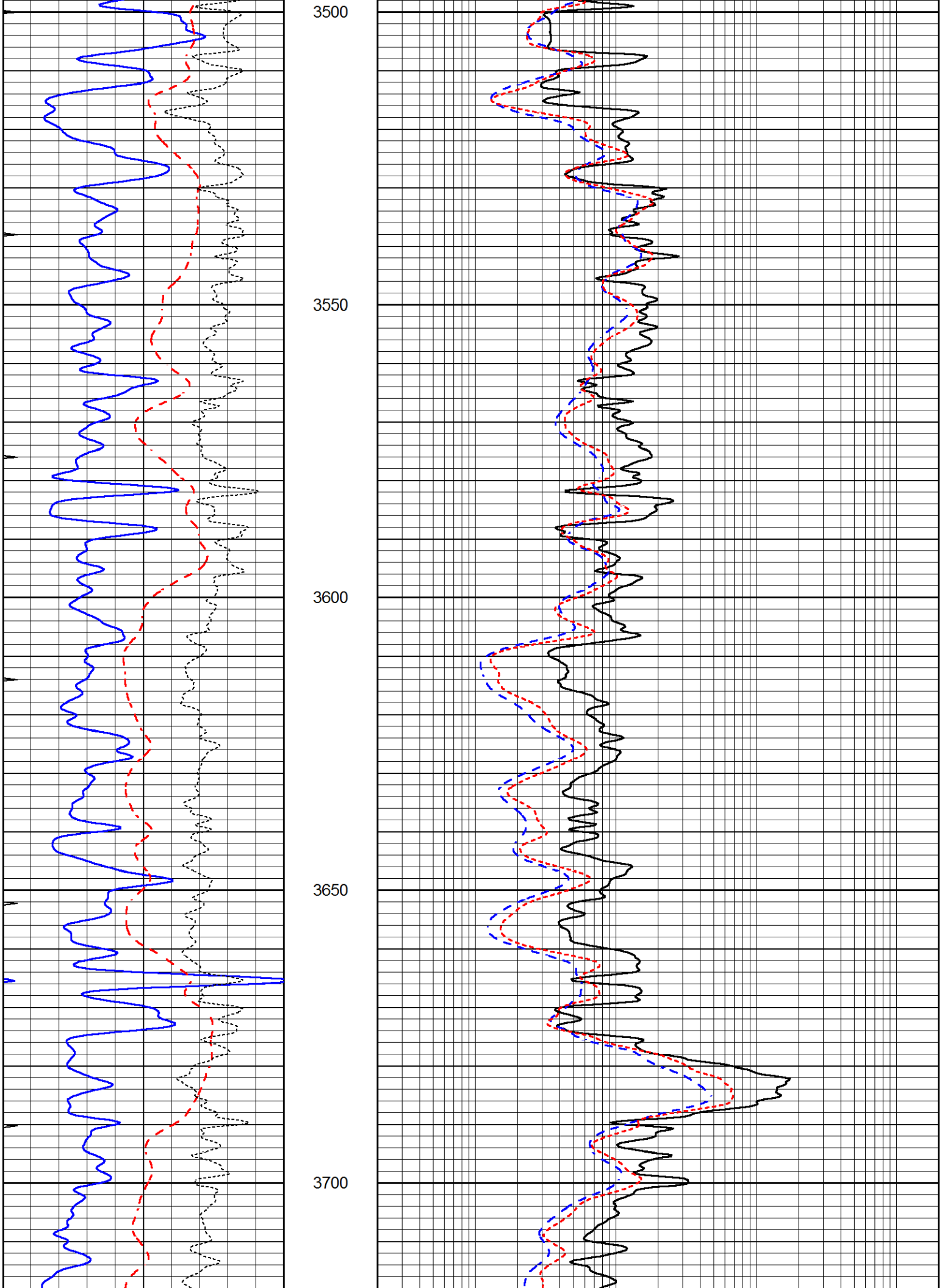
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

MAIN SECTION

Database File	6565ddn.db
Dataset Pathname	pass3.1M
Presentation Format	_dil
Dataset Creation	Sat Jun 11 14:15:57 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000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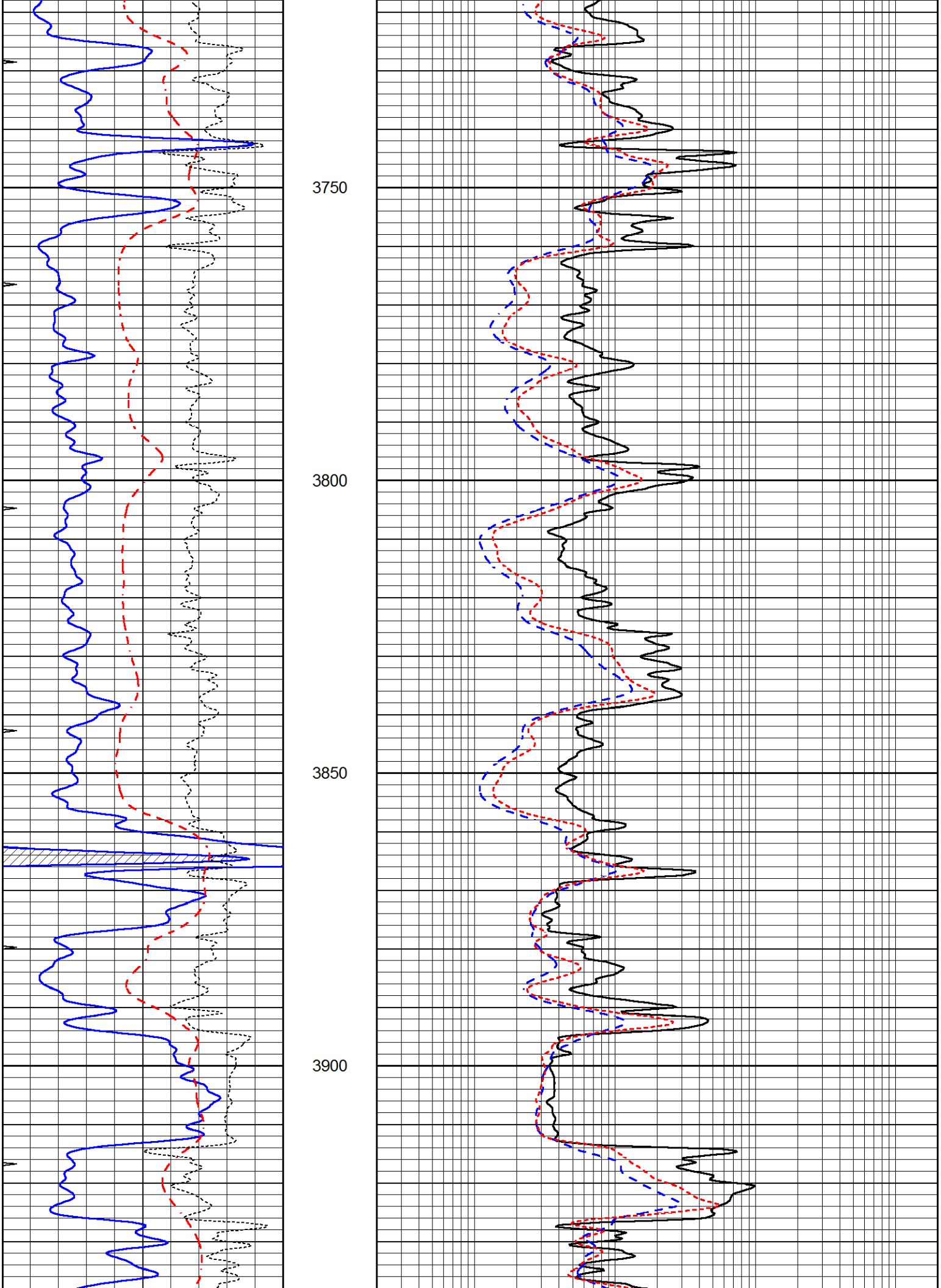
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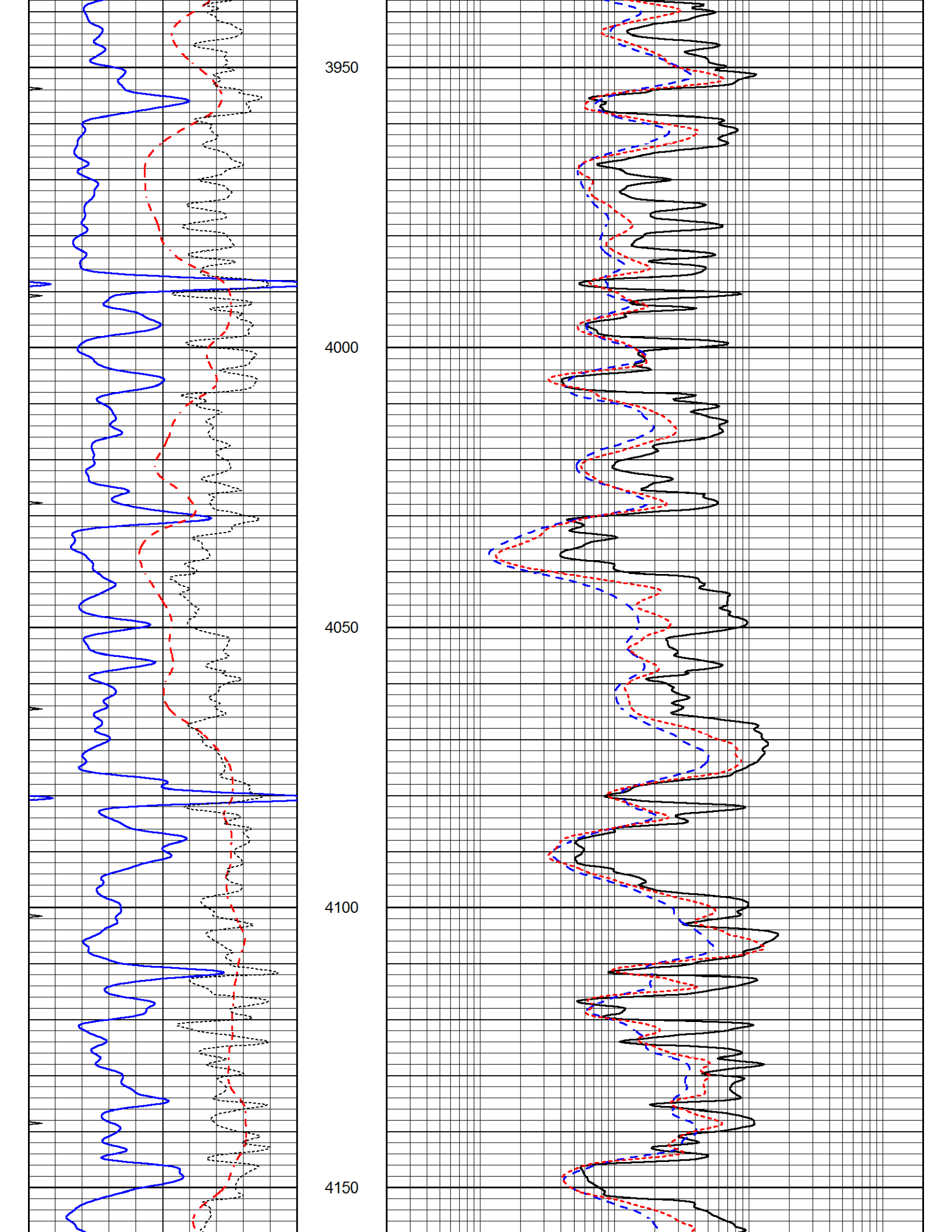
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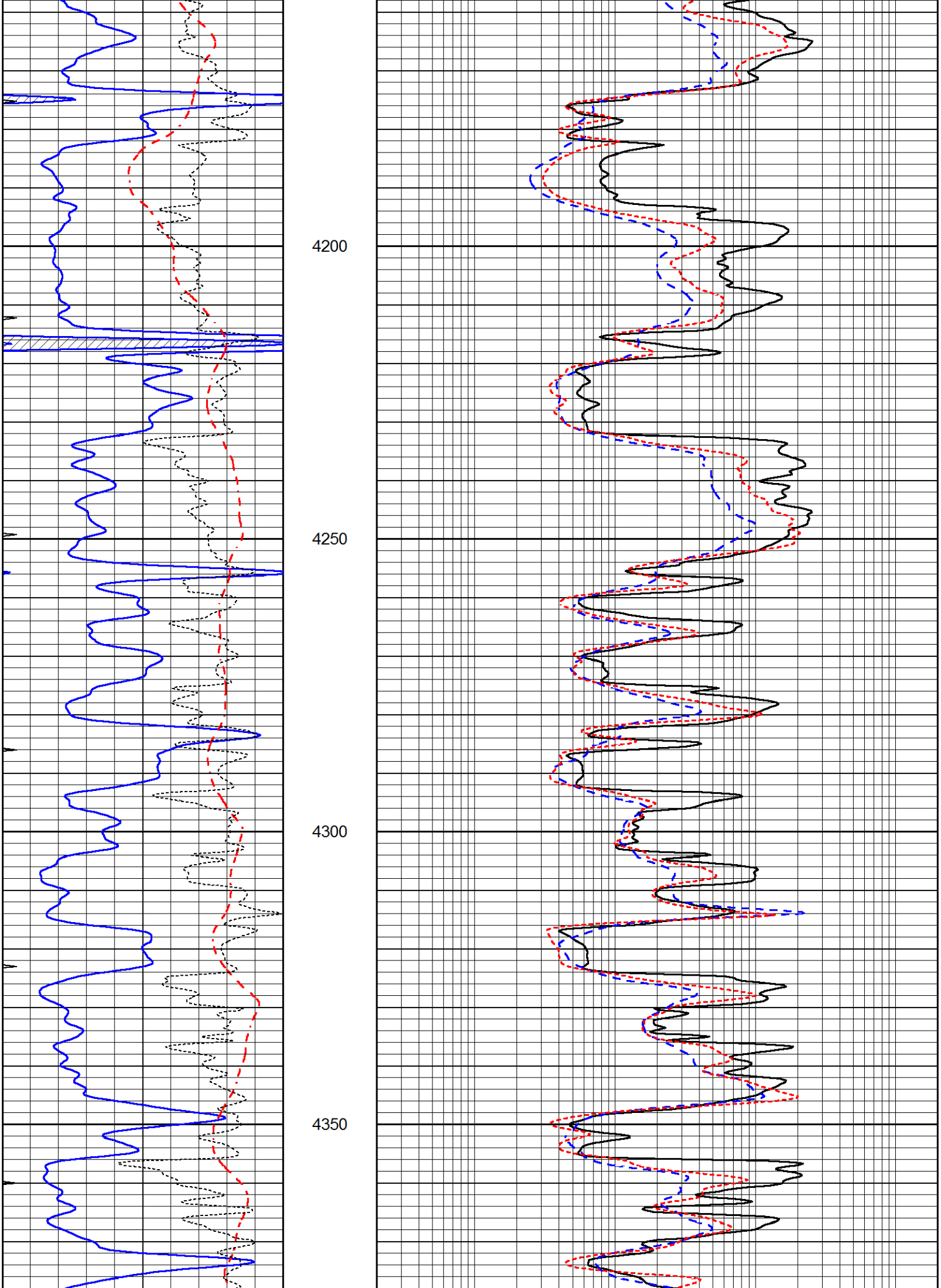
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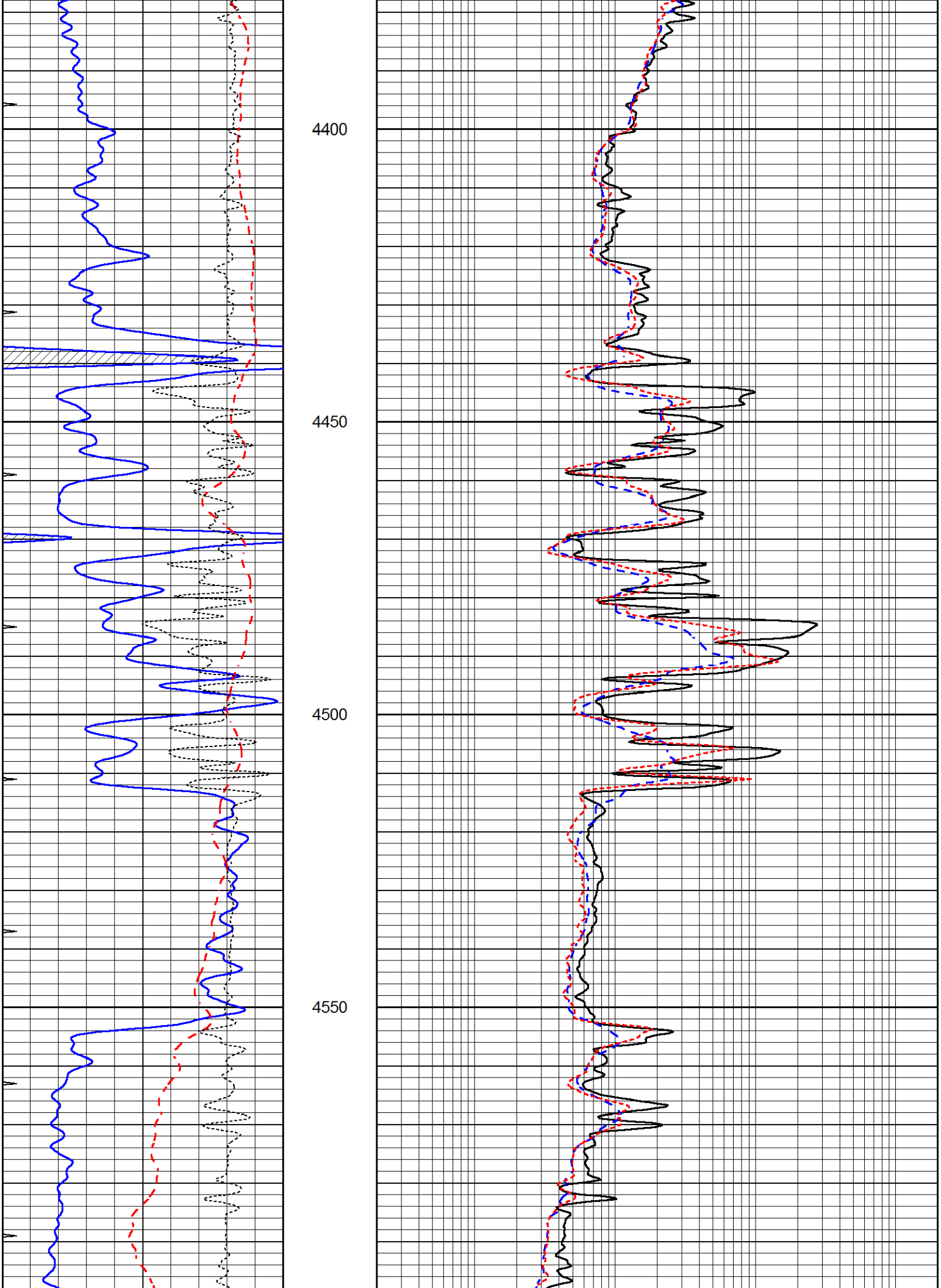
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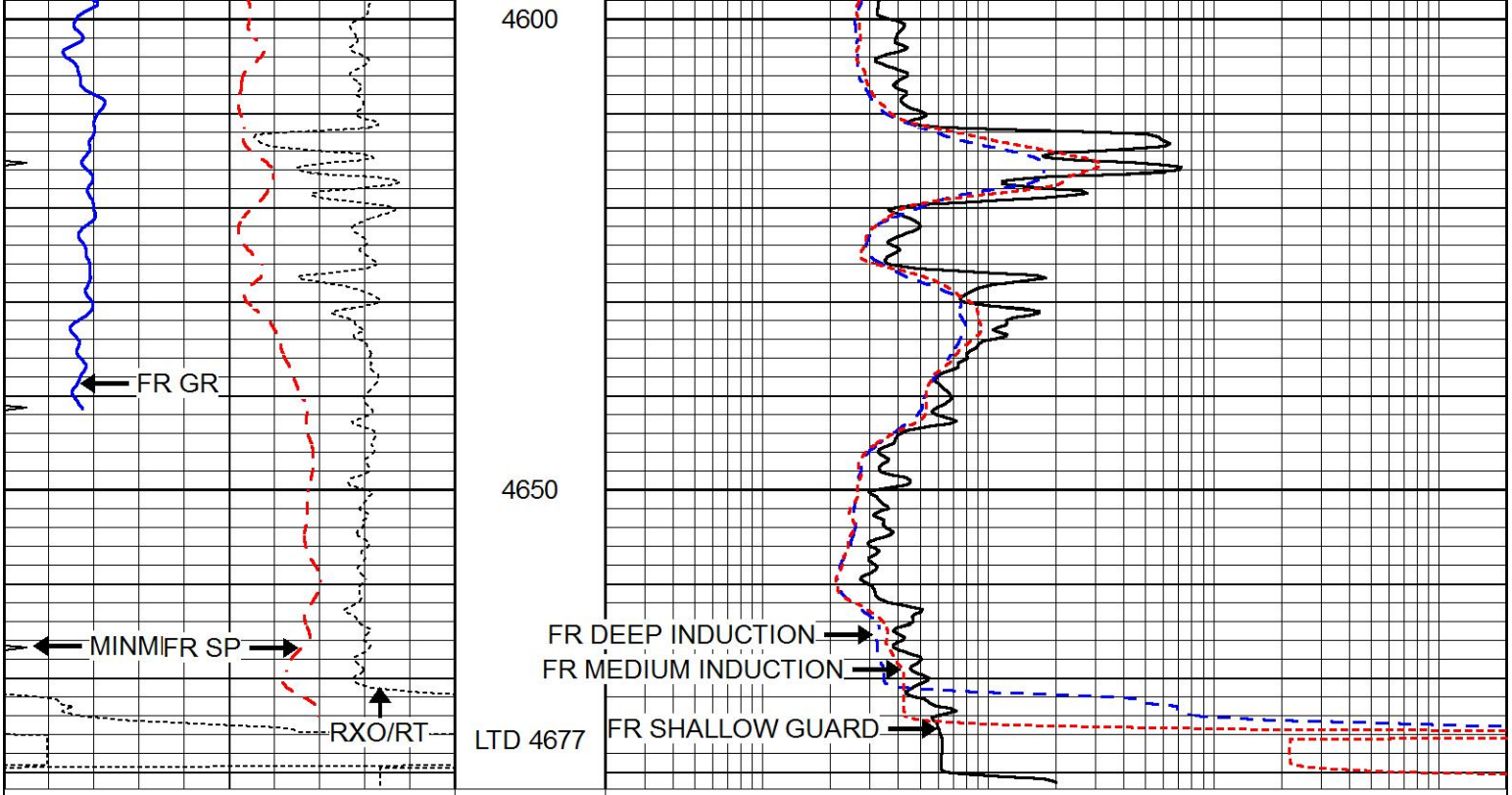
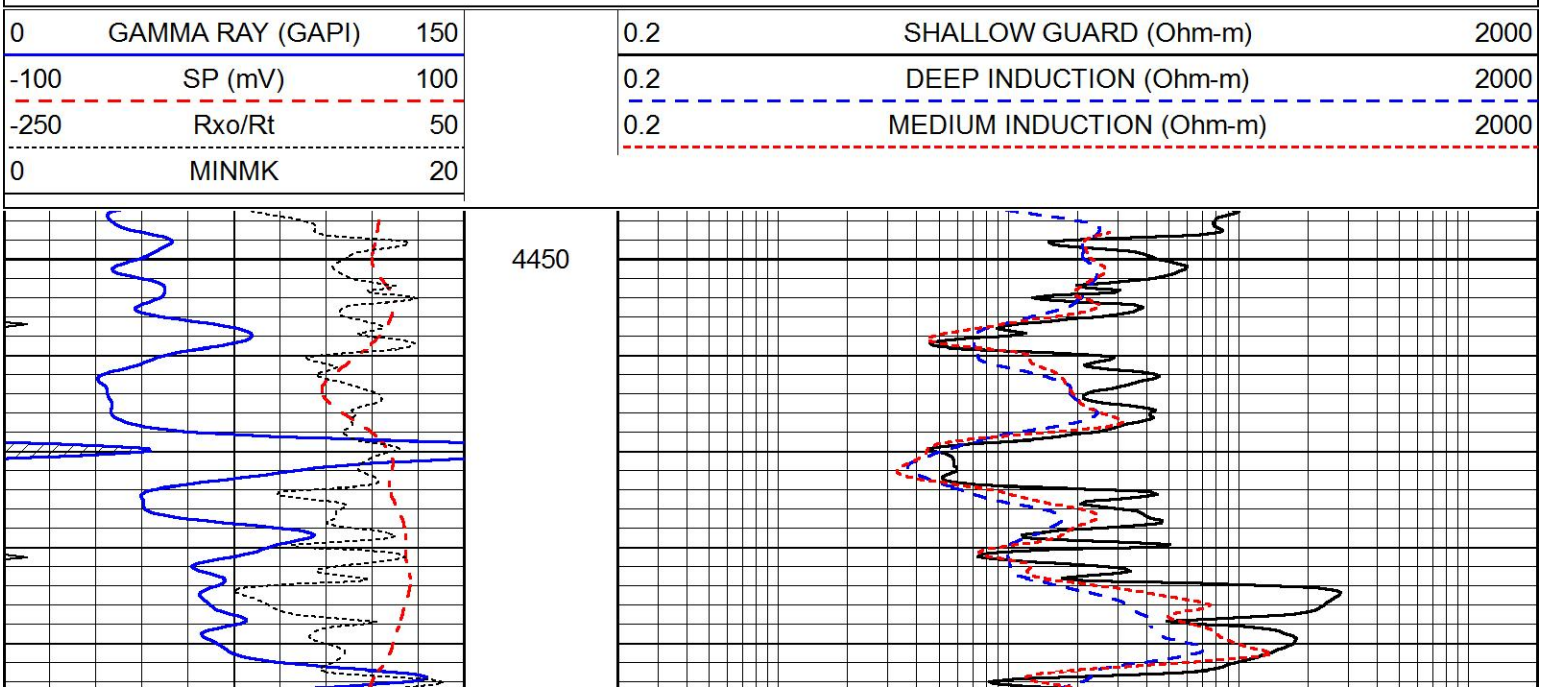
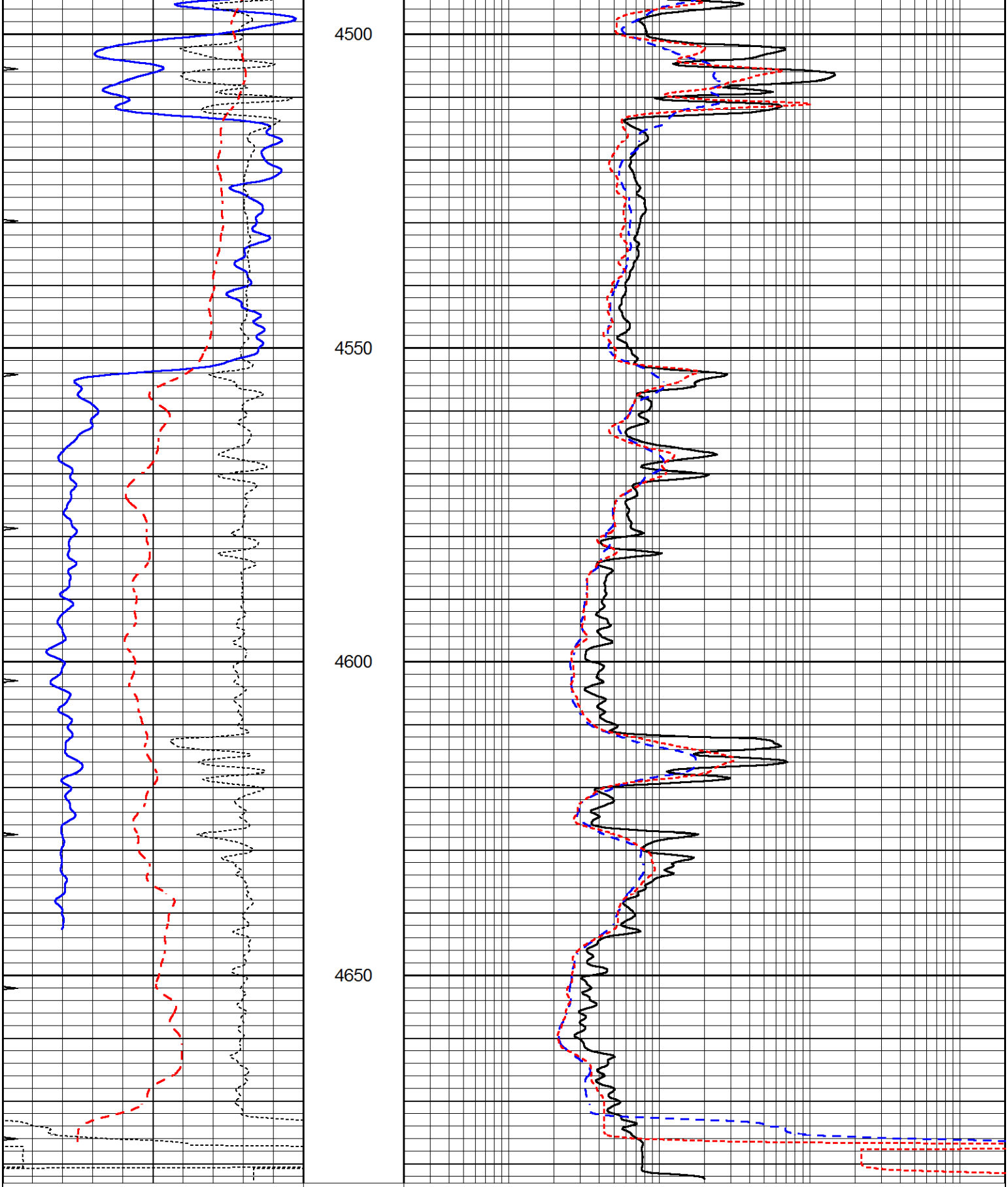


REPEAT SECTION

Database File	6565ddn.db
Dataset Pathname	pass2.2R
Presentation Format	_dil
Dataset Creation	Sat Jun 11 13:22:00 2022
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File	6565ddn.db
Dataset Pathname	pass3.1M
Dataset Creation	Sat Jun 11 14:15:57 2022

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Sat Jun 11 02:18:28 2022
Downhole Cal Performed:	Mon Sep 10 14:28:38 2018
After Survey Verification Performed:	Mon Sep 10 14:28:40 2018

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	600.000	5.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-10.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report

Serial: 001N Model: PRB

Master Calibration

Performed Thu Mar 19 11:30:16 2020

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1572.2	7510.8	2837.3	2643.1	cps
Window 2	1446.2	6523.9	2552.8	2409.9	cps
Window 3	1060.9	3611.4	1731.5	1684.8	cps
Window 4	145.5	363.4	363.2	368.1	cps
Long Space	0.0	5077.7	1106.6	963.7	cps
Short Space	3.1	1709.3	1103.4	916.9	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.0	Rib Slope	: 0.965	Density/Spine Ratio	: 0.555
Spine Angle	: 74.0	Spine Slope	: 3.481	Spine Intercept	: -17.4

Before Survey Verification

Performed Wed Dec 31 18:00:00 1969

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification Performed Wed Dec 31 18:00:00 1969

Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number: 6I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

PRE-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		
3)	Short Space		cps				
	Long Space		cps		pu		

POST-SURVEY VERIFICATION

	Detector	Readings		Measured		Target	
1)	Short Space		cps				
	Long Space		cps		pu		pu
2)	Short Space		cps				
	Long Space		cps		pu		pu
3)	Short Space		cps				
	Long Space		cps		pu		pu

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Wed May 25 15:13:08 2022	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.8000	GAPI/cps