DUAL INDUCTION LOG

The Perforators LLC

Company Charles N. Griffin
Well Scrivner #1B
Field Wharton
County Harper
State Kansas

Company	Charles N. Griffin
Well	Scrivner #1B
Field	Wharton
County	Harper
State	Kansas

Location: API # : 15 007 21765

330' FNL & 1650' FEL

SEC 9 TWP 34S RGE 8W

Other Services: CDNL

Permanent Datum	Ground Level	Elevation	1338'
Log Measured From	KB 9' AGL		
Drilling Measured From	KB		

Elevation
K.B. 1347'
D.F. 1346'
G.L. 1338'

Date	10-24-11		
Run Number	One		
Depth Driller	5148'		
Depth Logger	5151'		
Bottom Logged Interval	5149'		
Top Log Interval	250'		
Casing Driller	265'		
Casing Logger	265'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.3/44		
pH / Fluid Loss	11.0/12.0		
Source of Sample	Pit		
Rm @ Meas. Temp	1.98@64degf		
Rmf @ Meas. Temp	1.46@64degf		
Rmc @ Meas. Temp	3.17@64degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.02@124degf		
Time Circulation Stopped	1:30 a.m.		
Time Logger on Bottom	4:45 a.m.		
Maximum Recorded Temperature	124 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Bruce Reed	Mr. J R Griffin	

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Comments

E of Medicine Lodge cross into Harper county and take 140th S to hyw 2, go E on hyw 2 to 80th rd.,S on 80th 3 mi., W into.

Thanks for using The Perforators LLC Hays, KS. (785-621-4604)

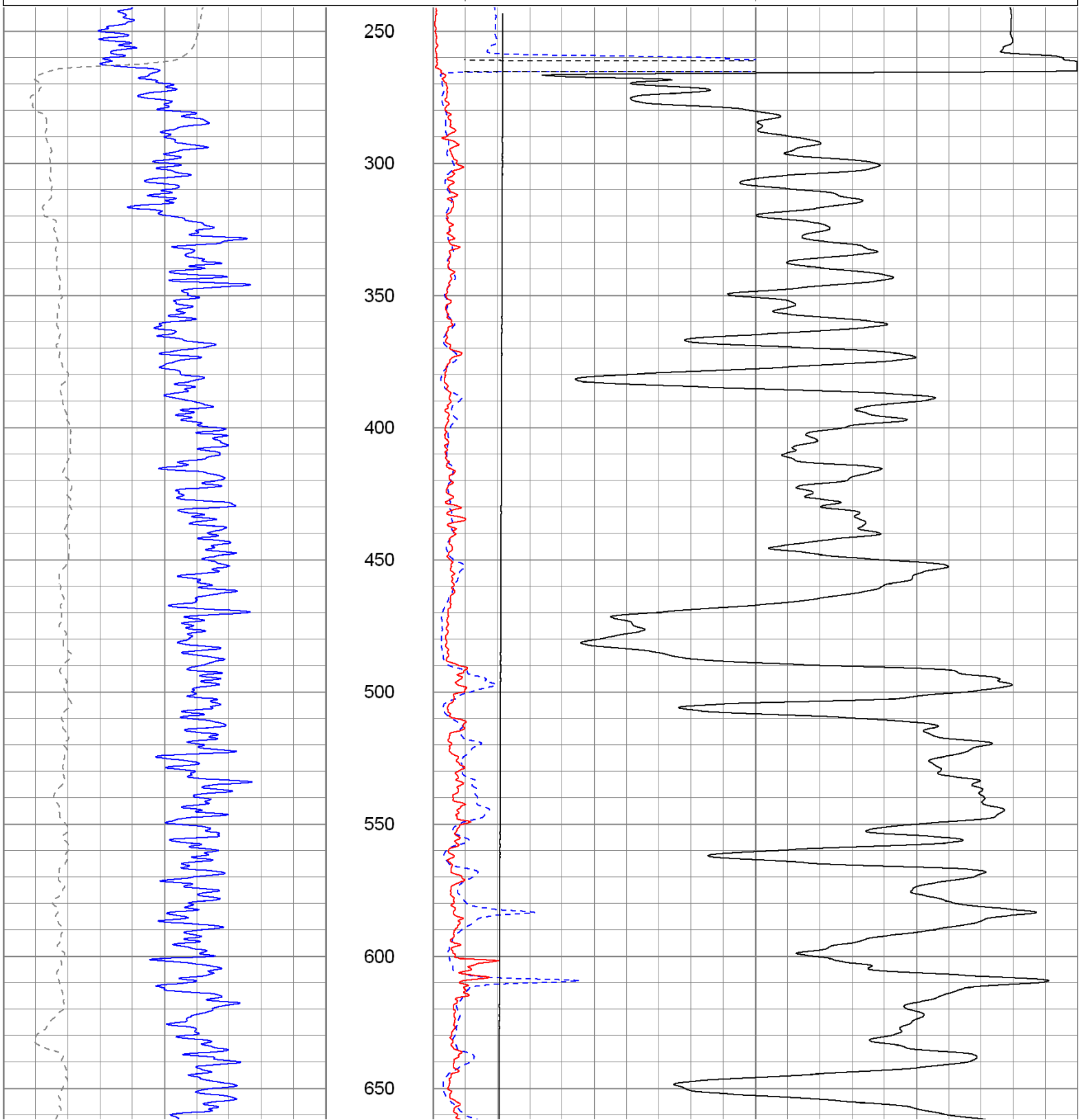
The Perforators LLC

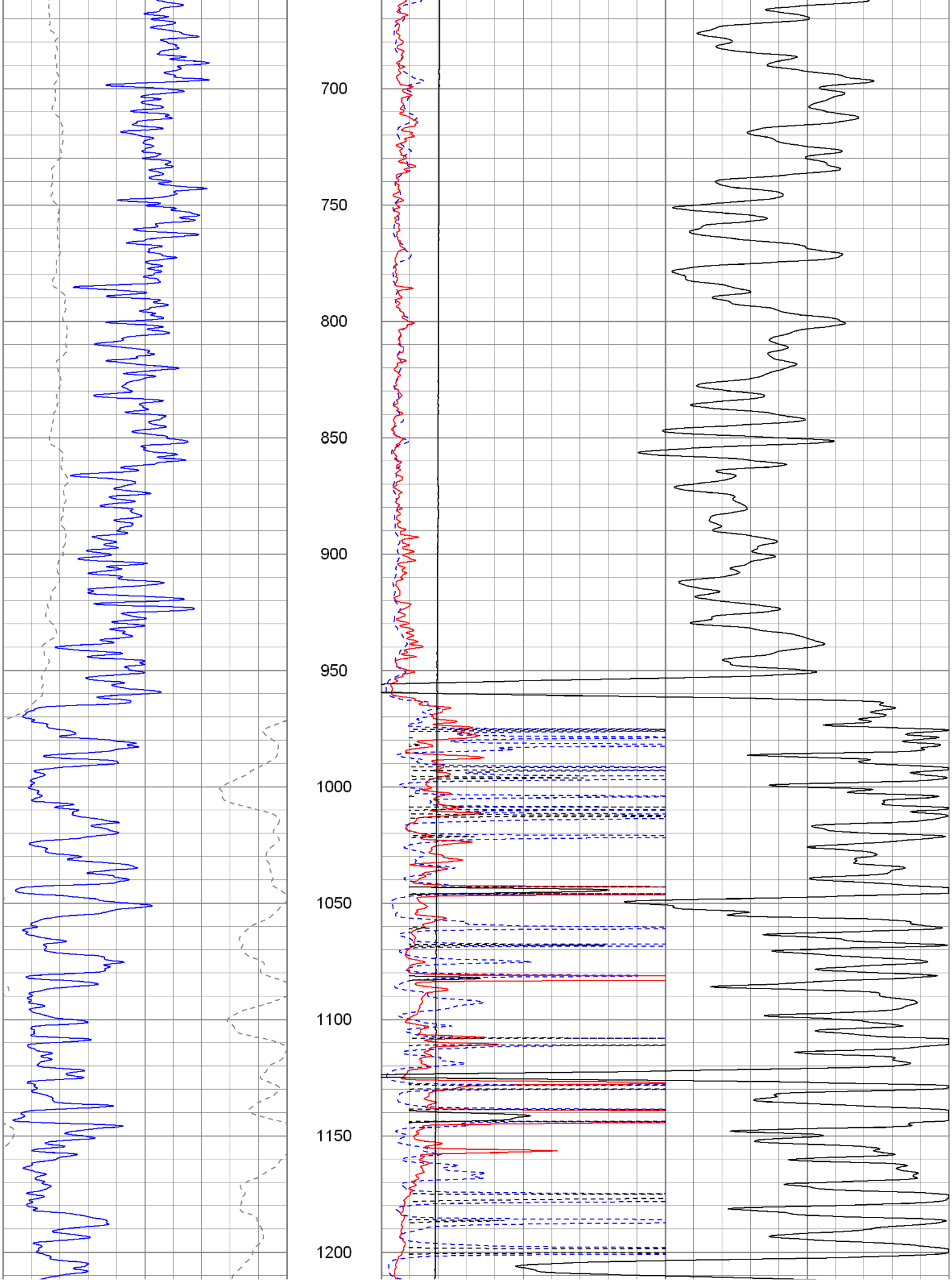
Main Pass

Database File:	cgscribner#1oh.db
Dataset Pathname:	pass2
Presentation Format:	kdillin2
Dataset Creation:	Mon Oct 24 04:53:14 2011 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:600

0	GR (GAPI)	150
-200	SP (mV)	0

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

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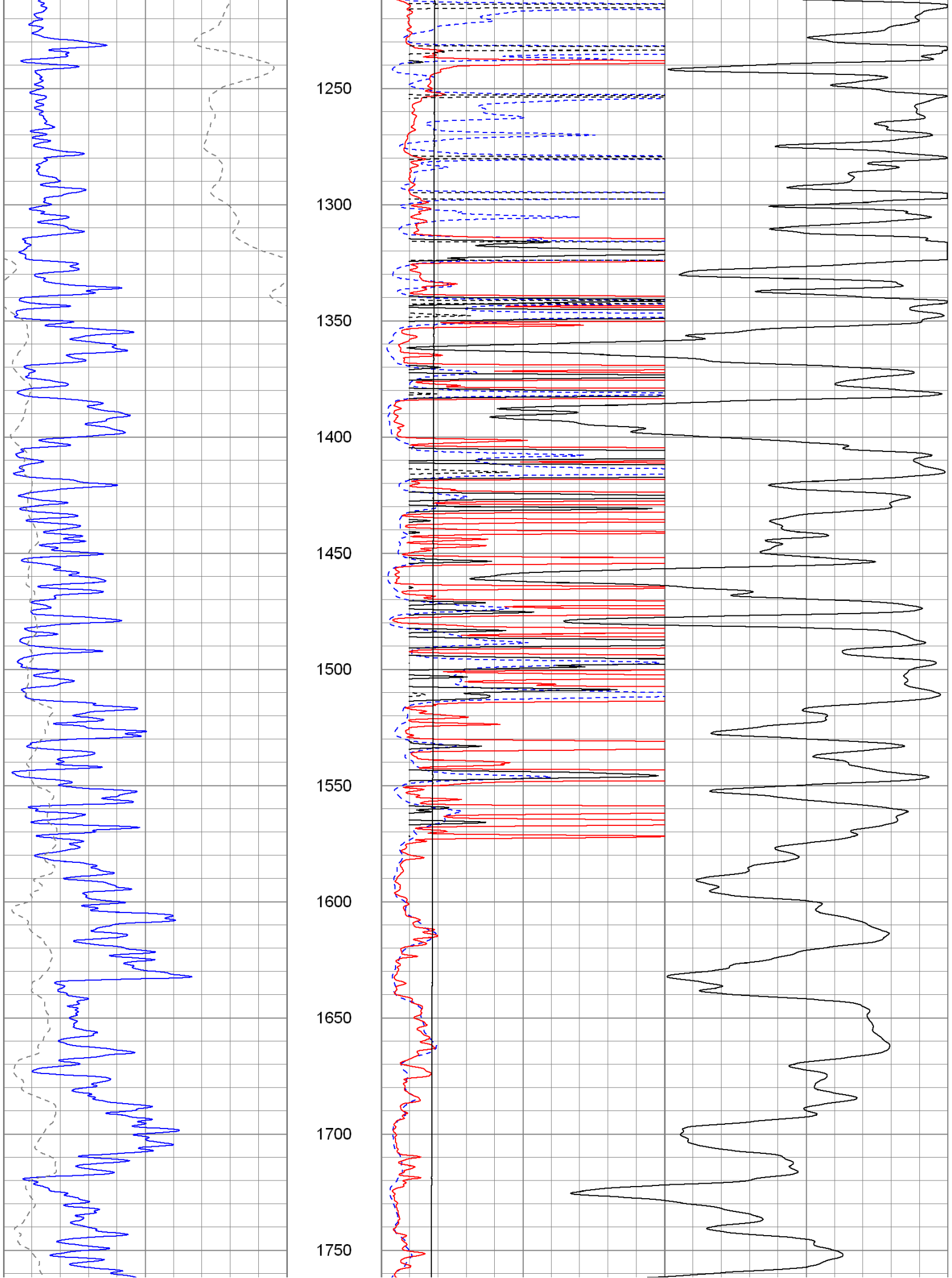
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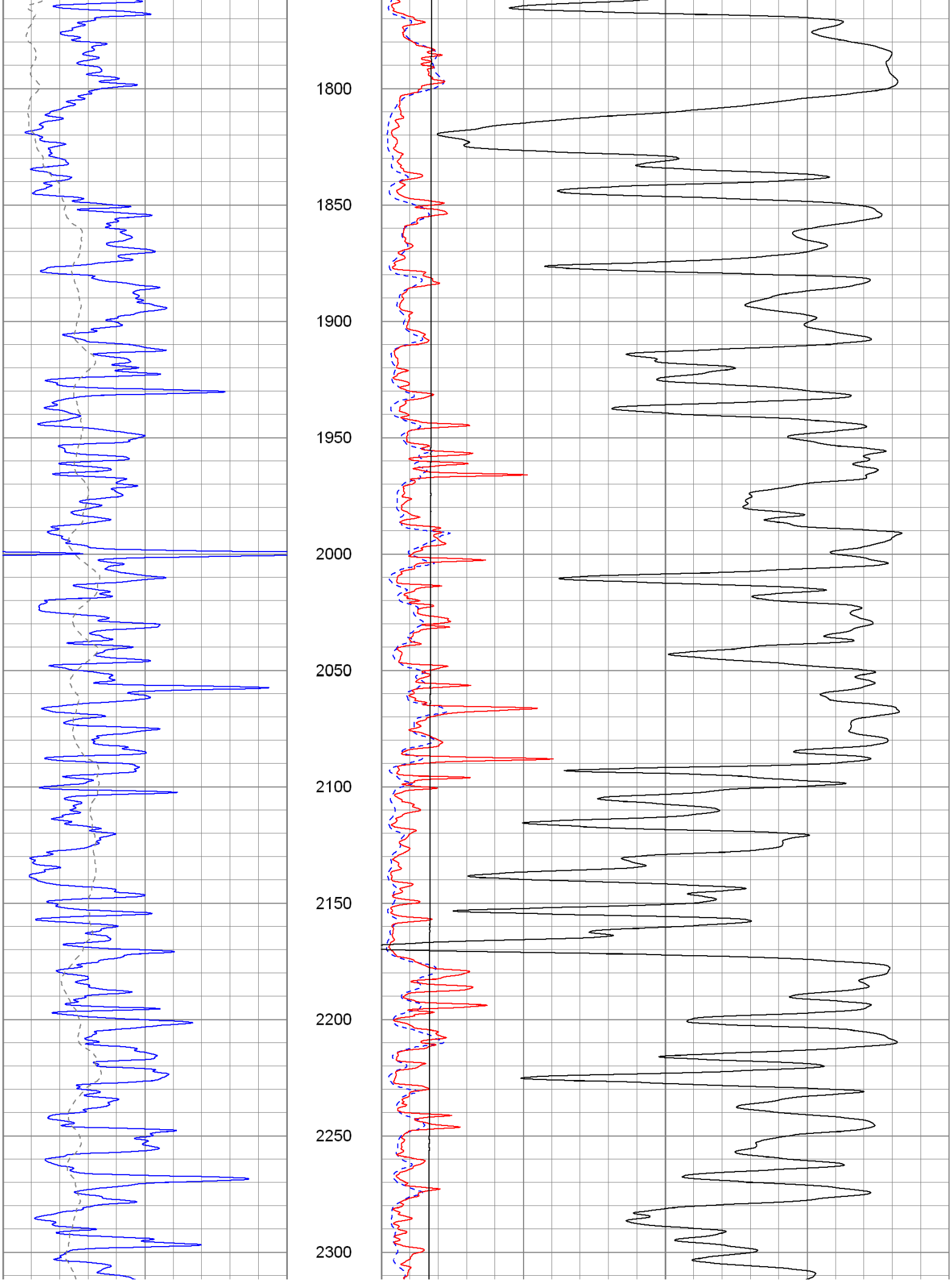
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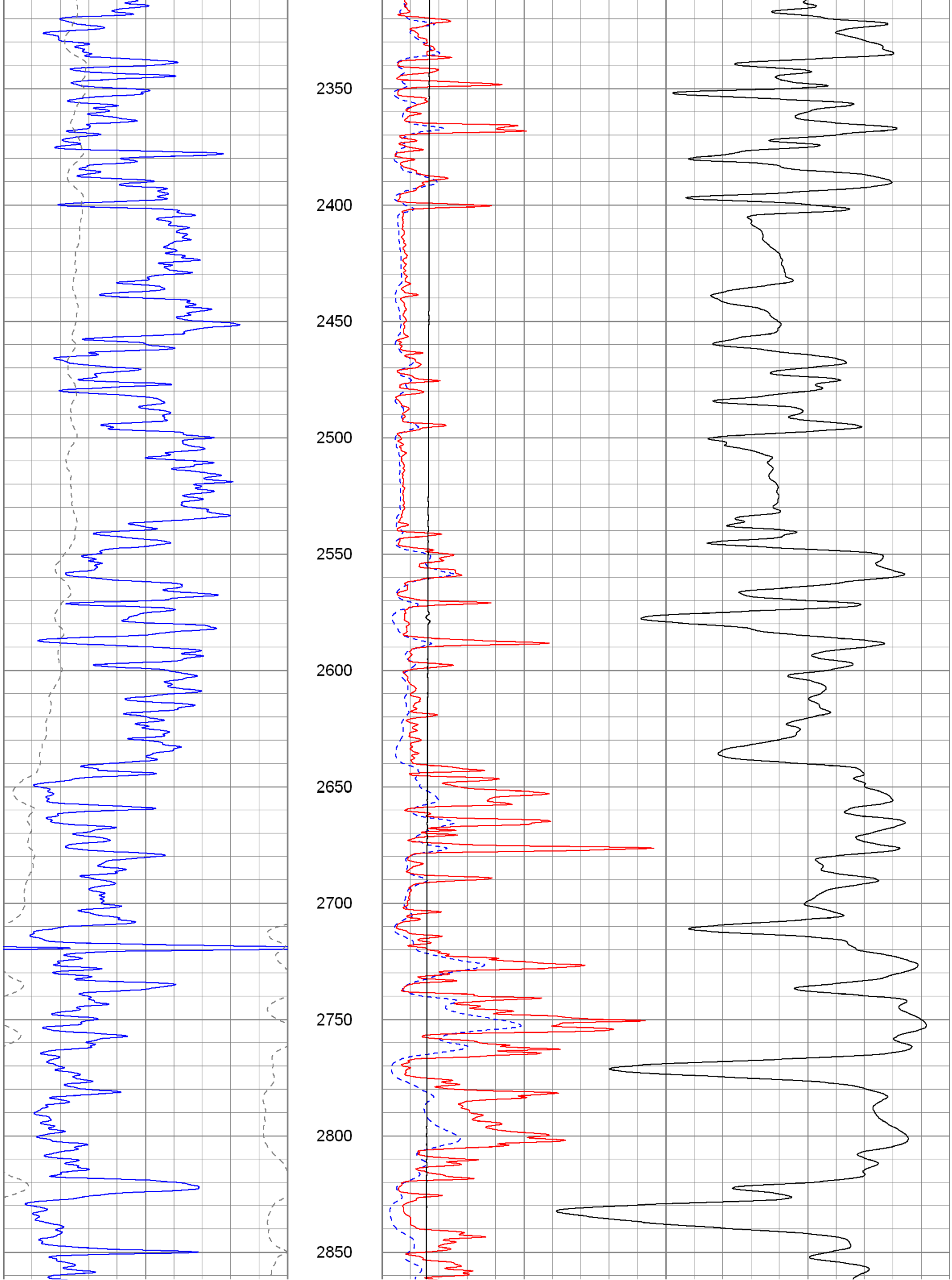
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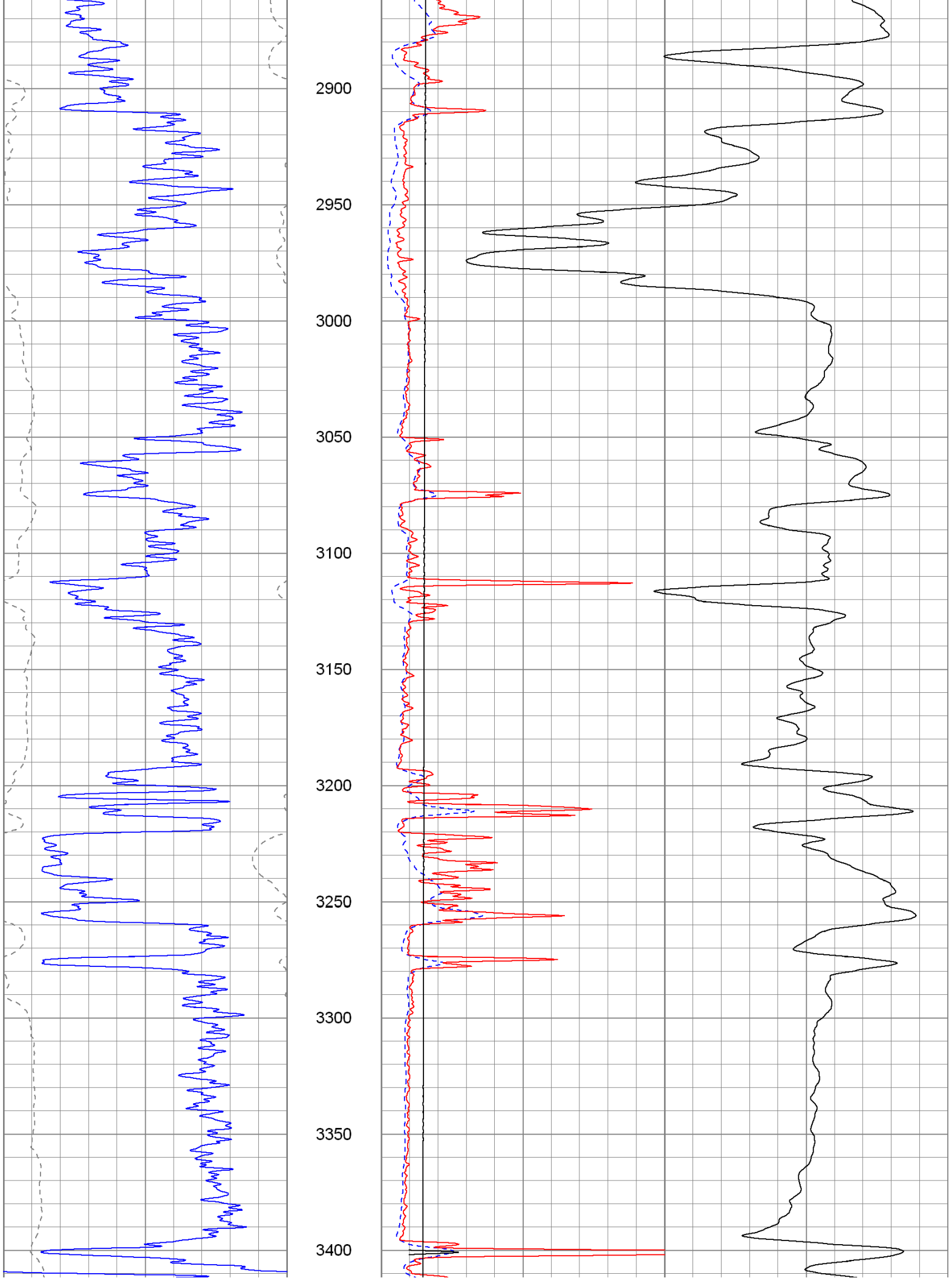
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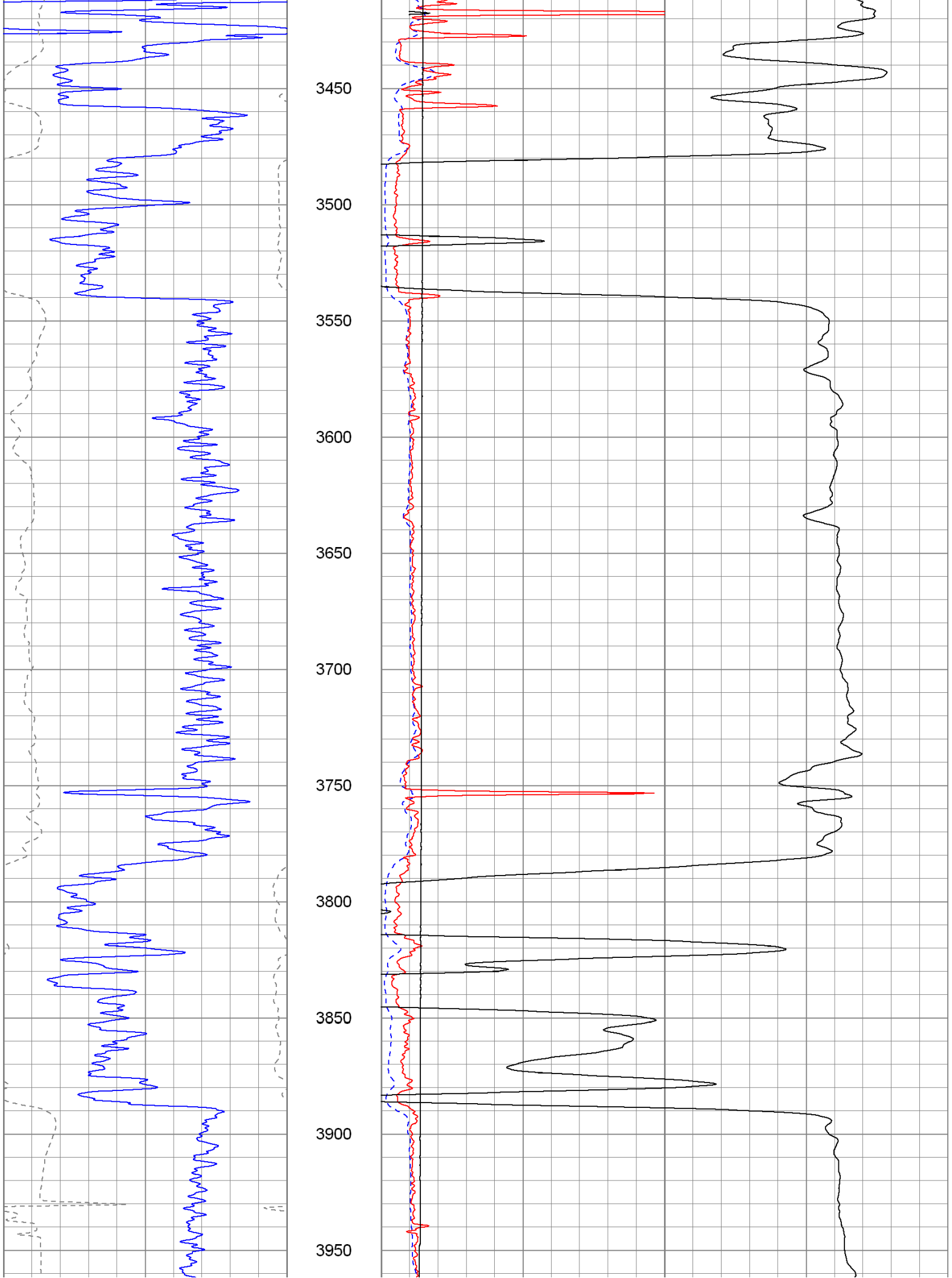
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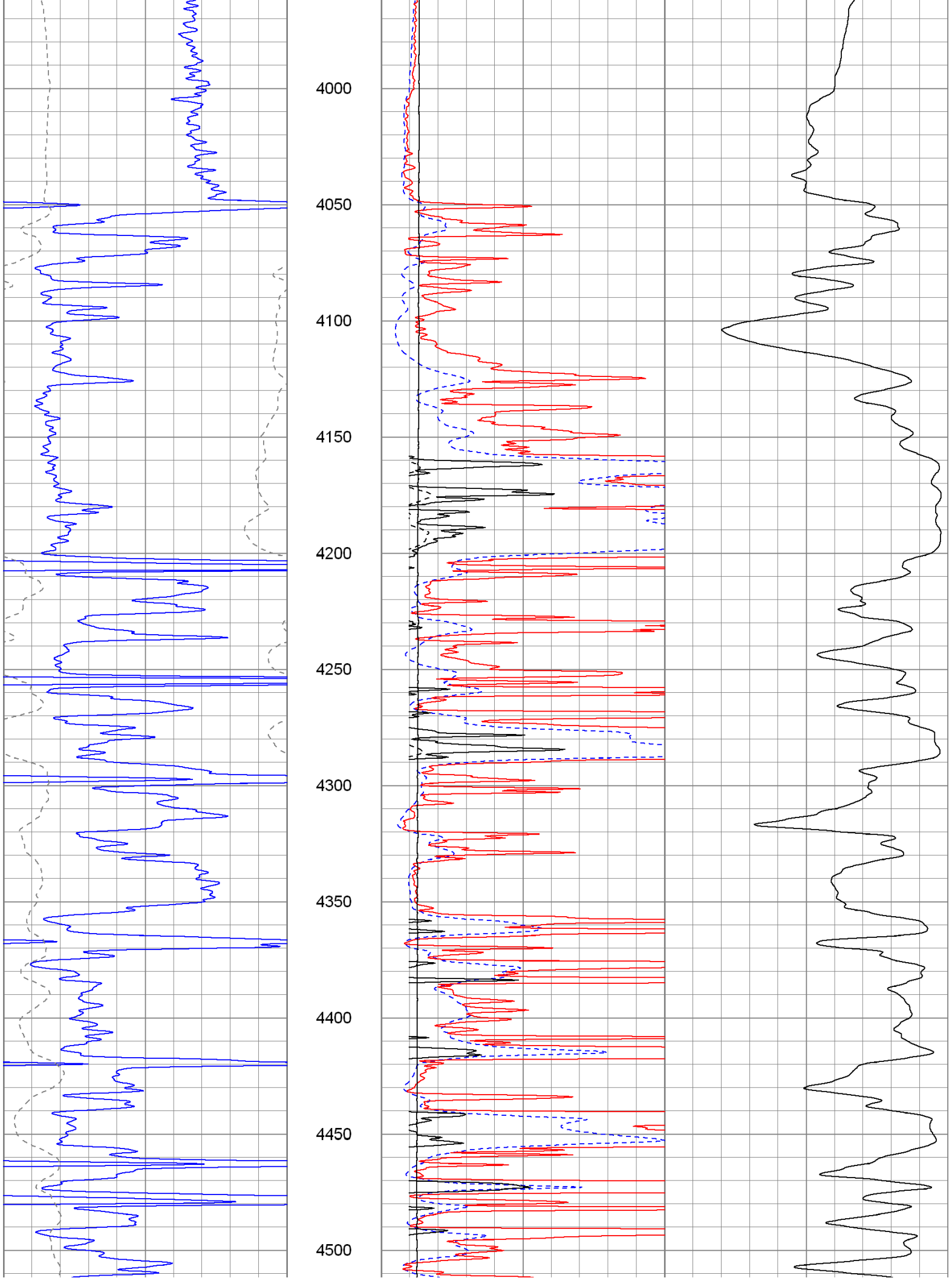
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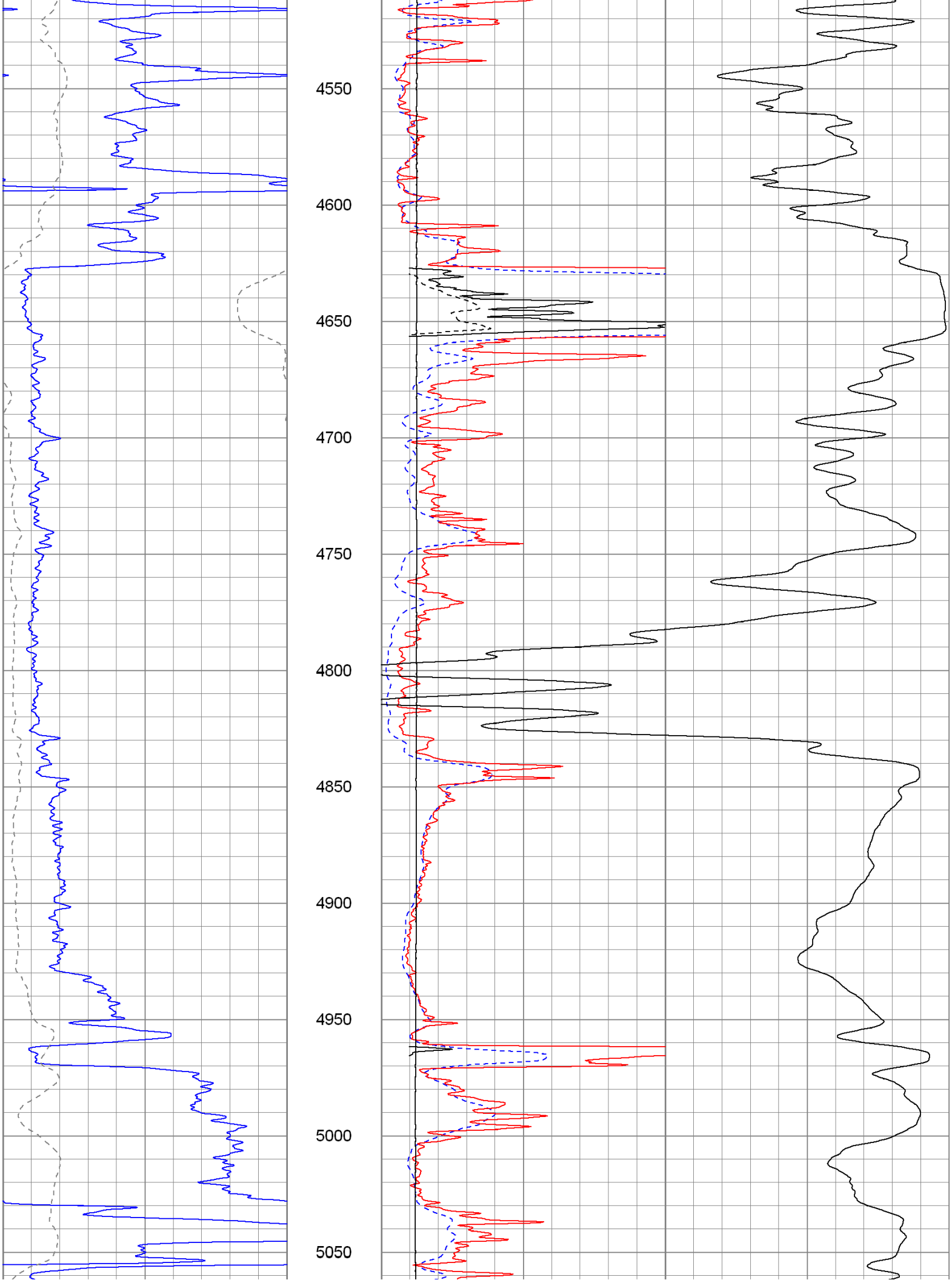
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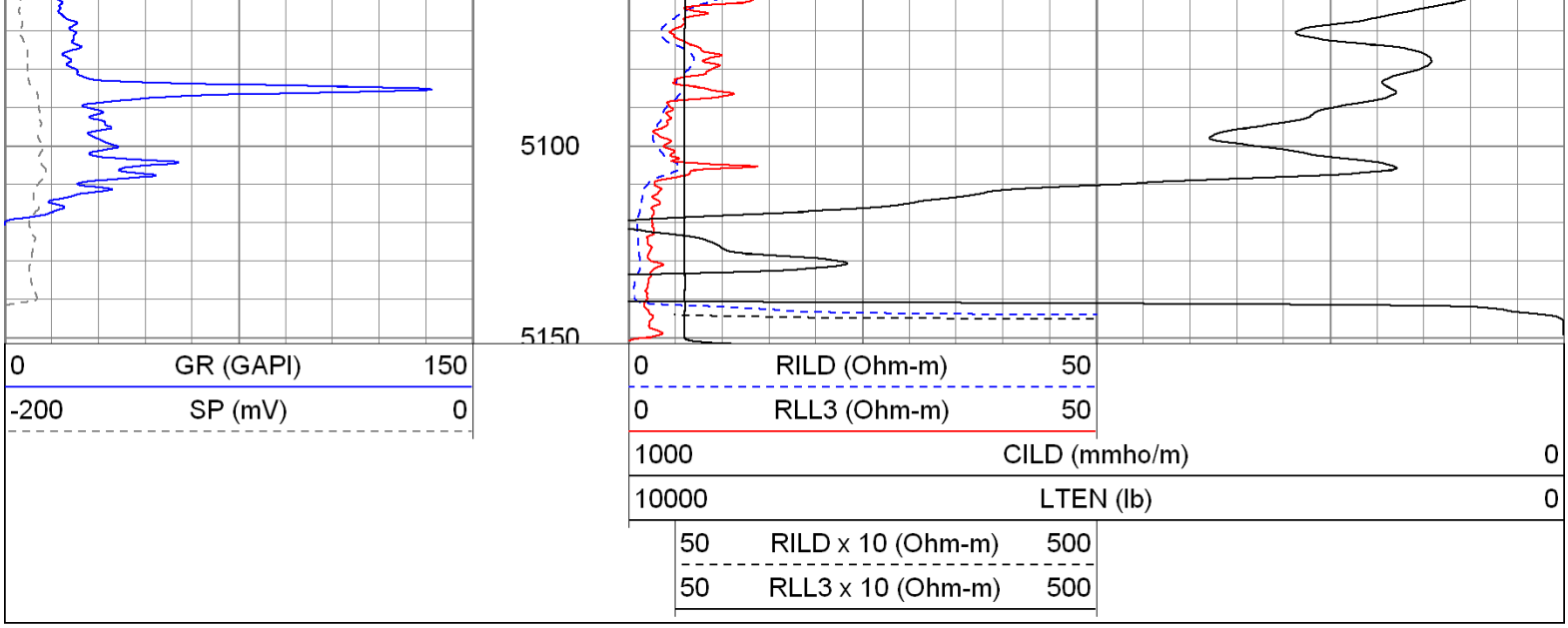

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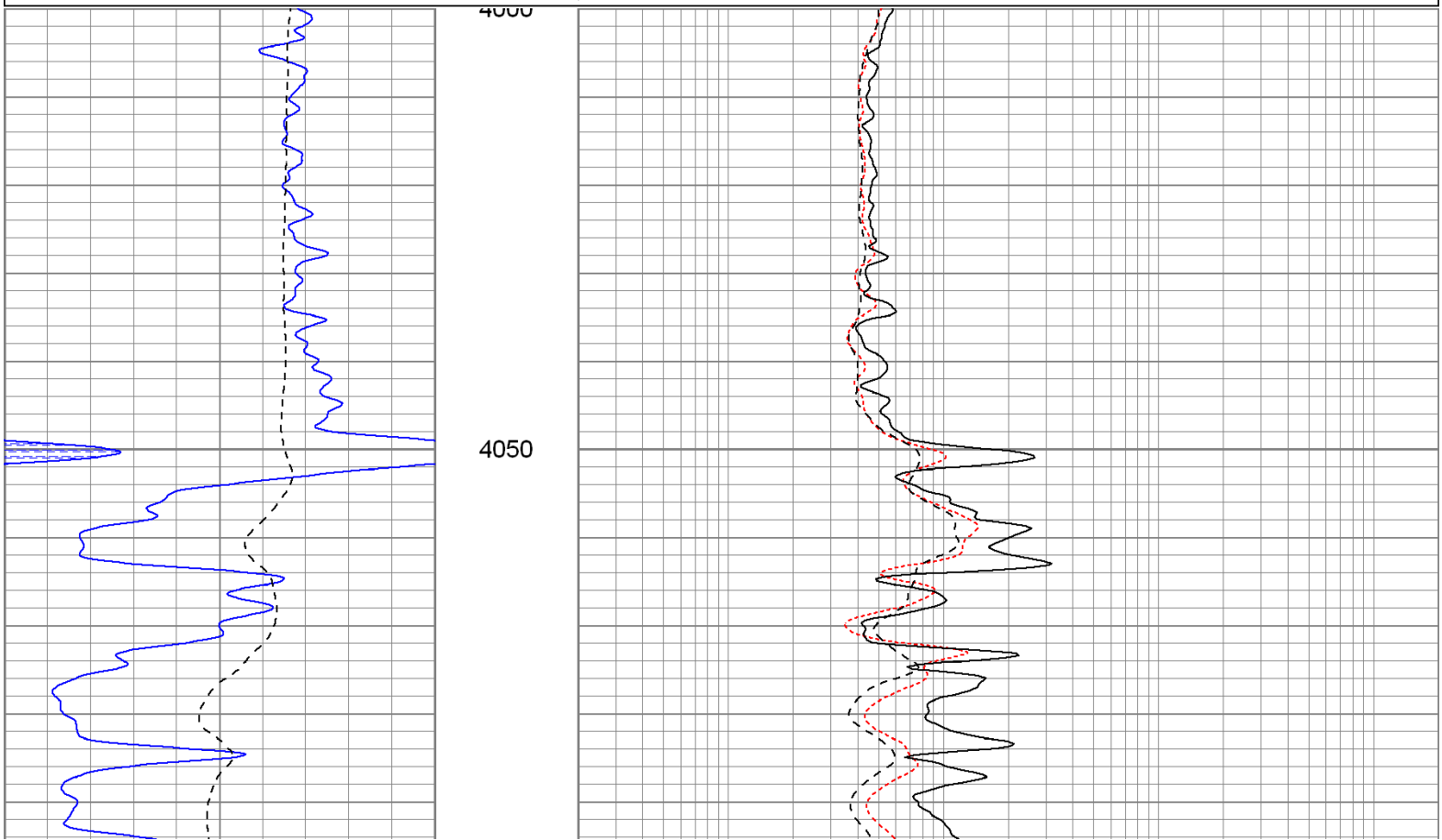
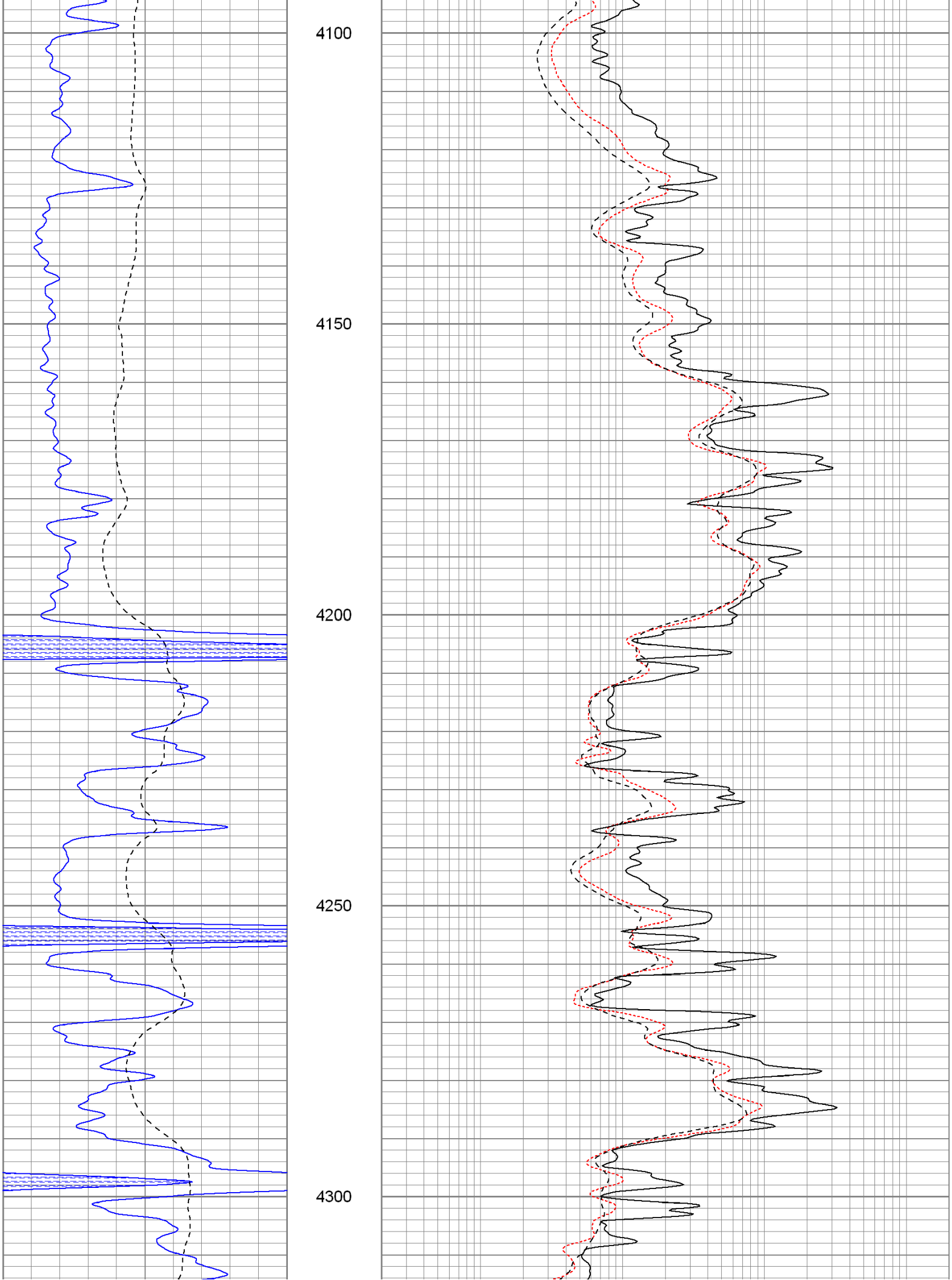
Main Pass

Database File: cgscribner#1oh.db
Dataset Pathname: pass2
Presentation Format: kdil
Dataset Creation: Mon Oct 24 04:53:14 2011 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

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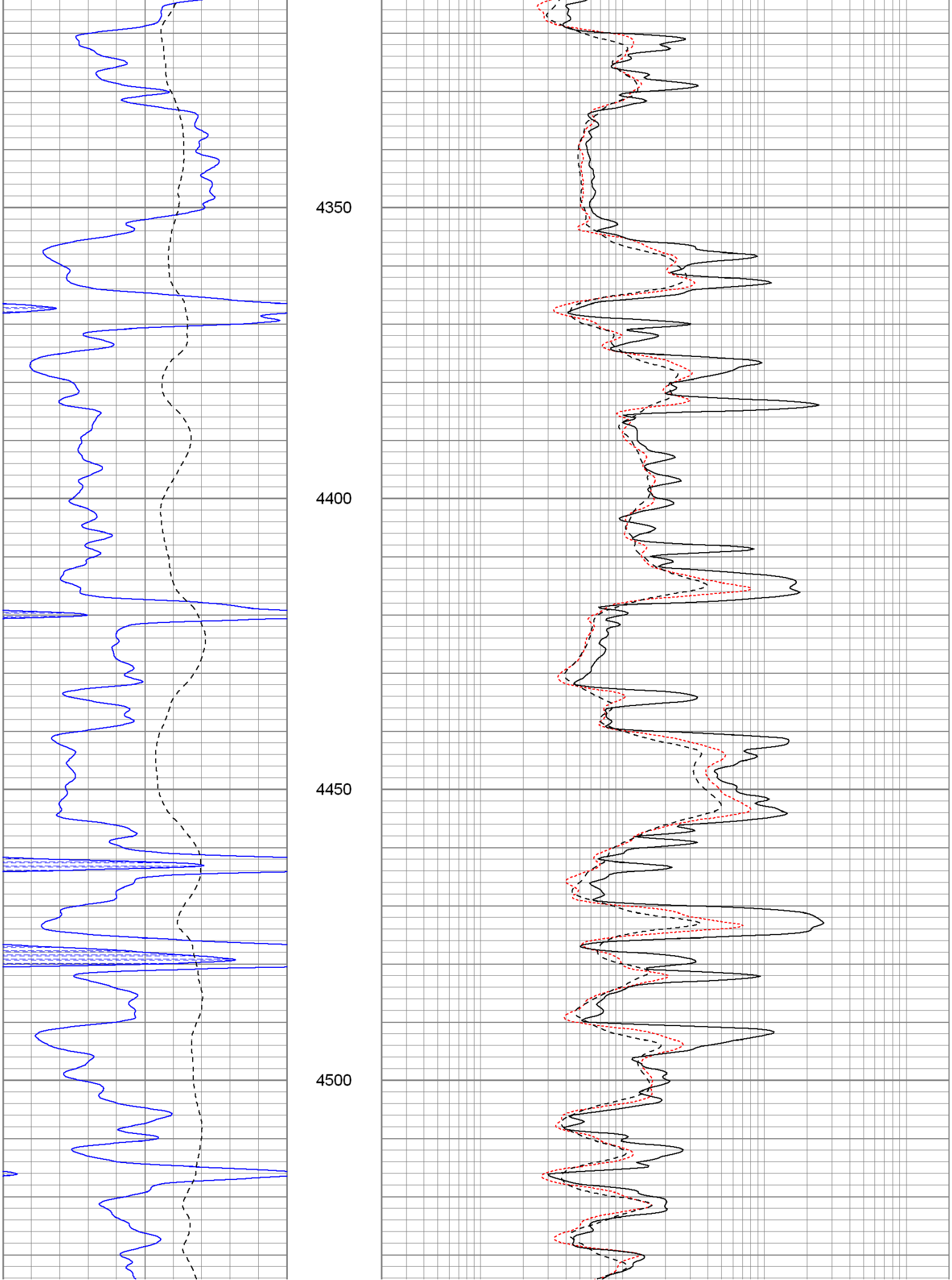
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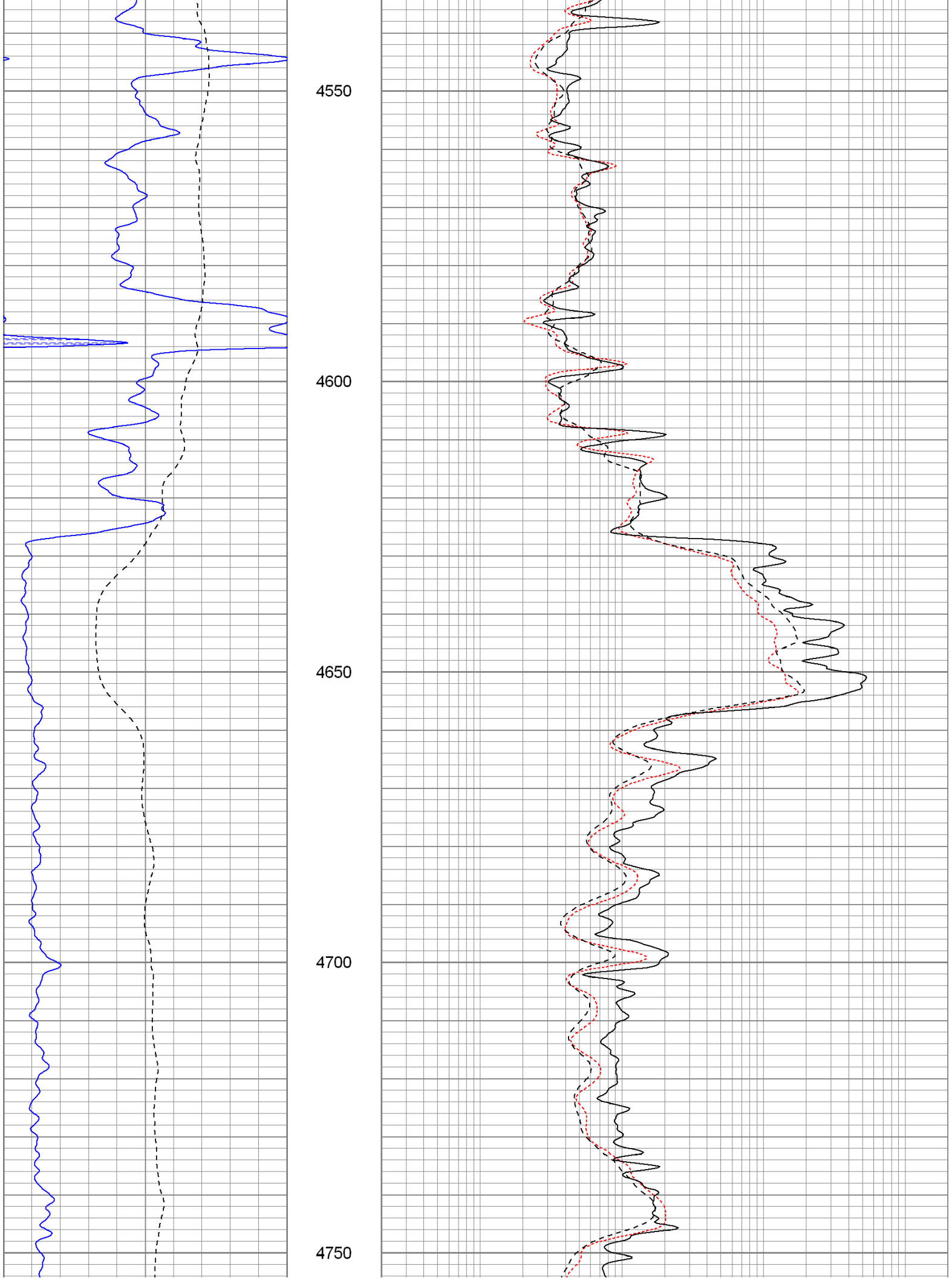
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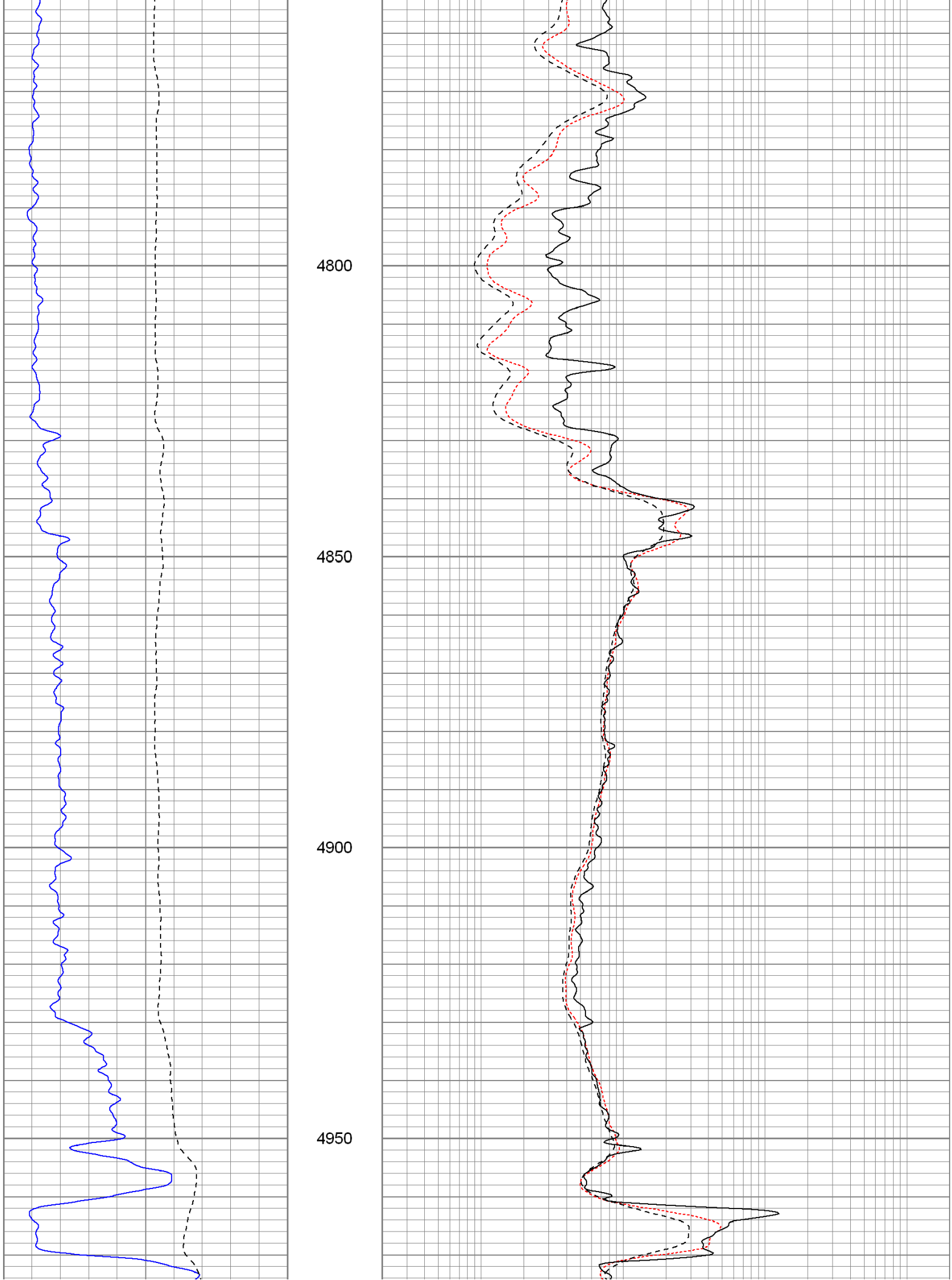
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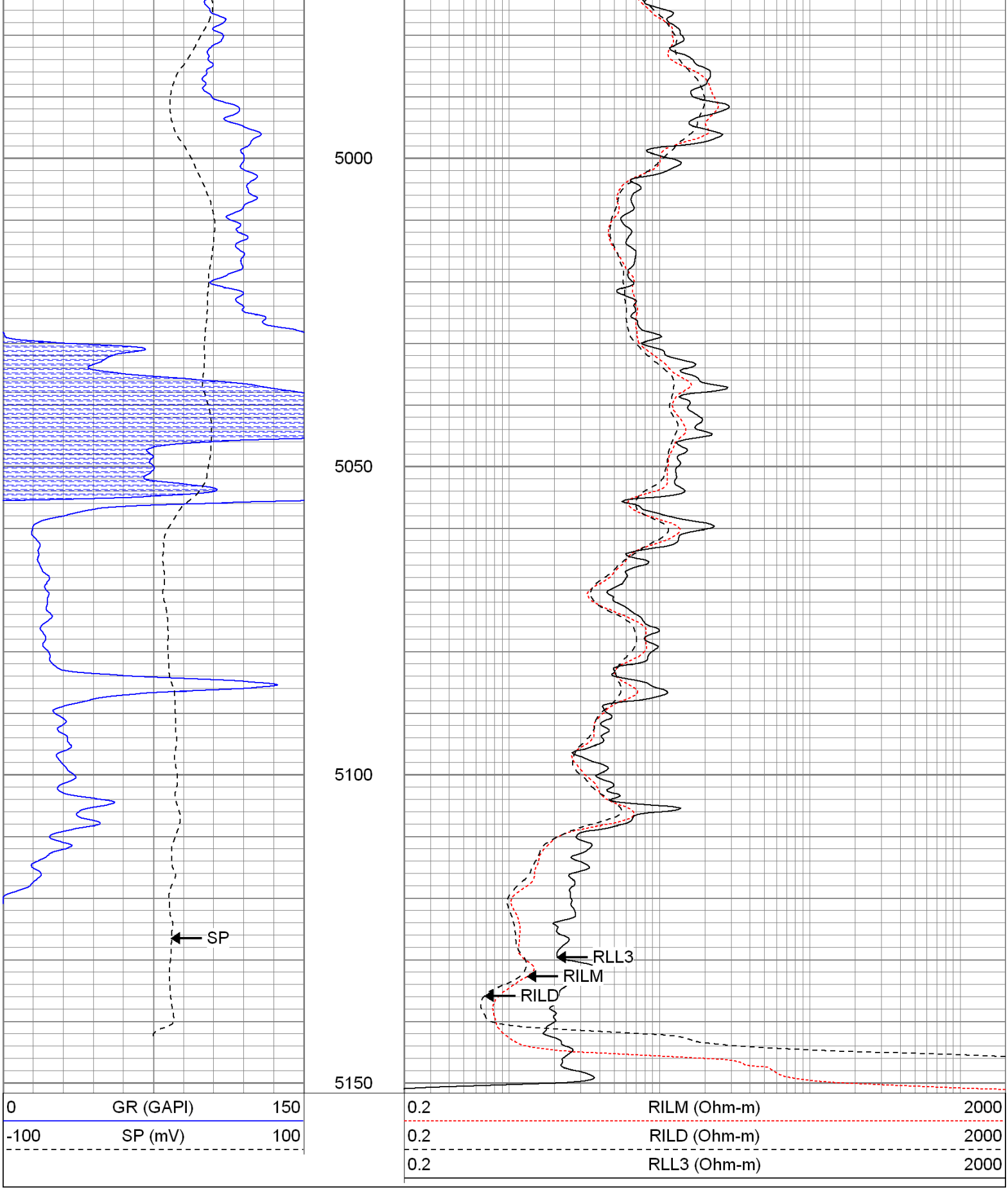

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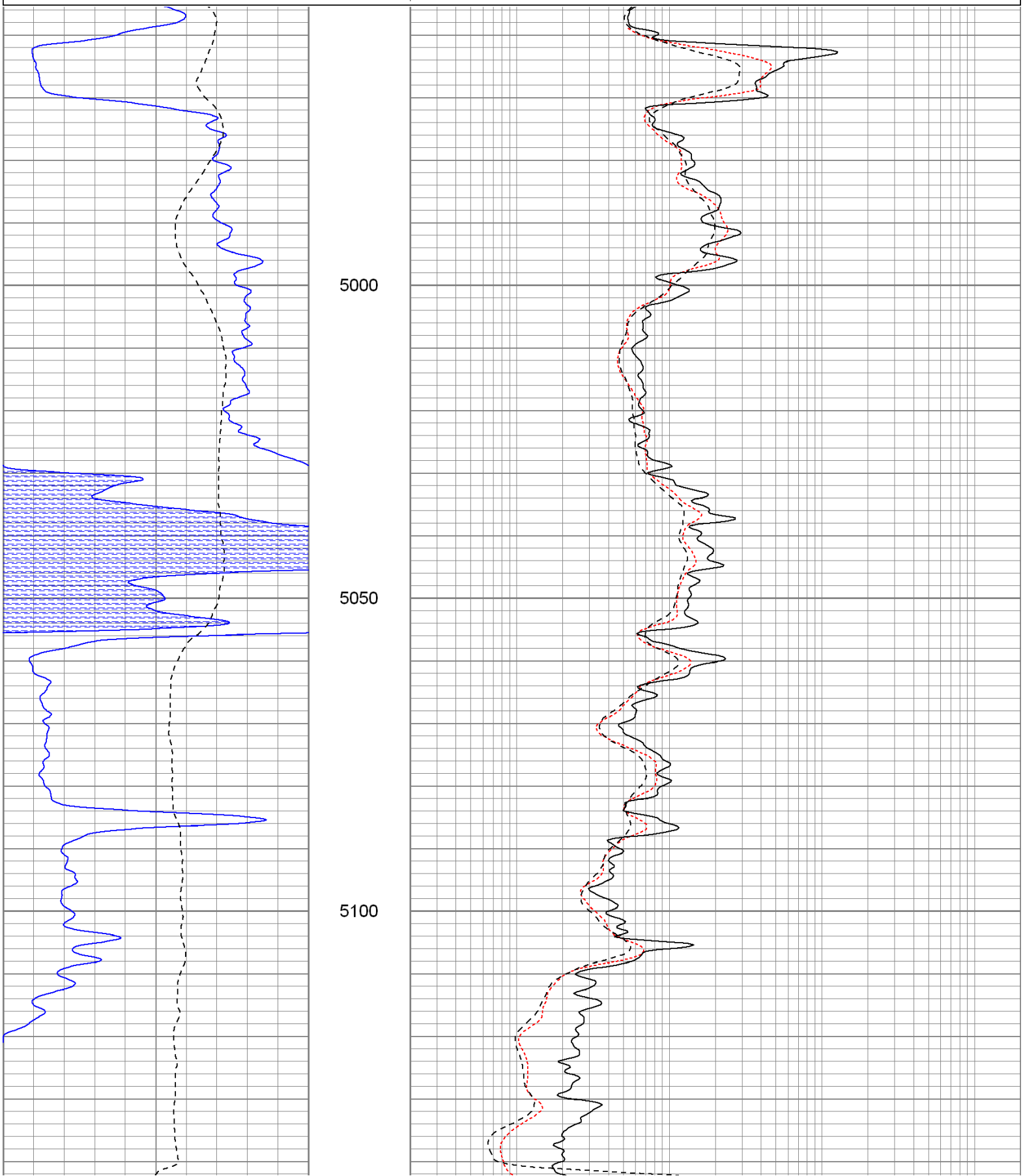
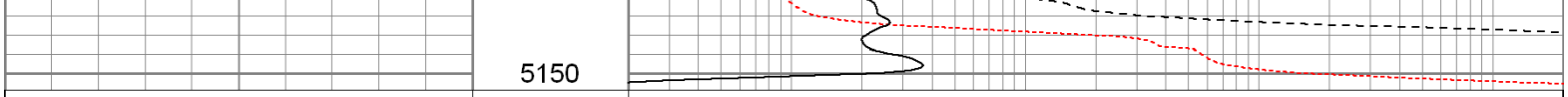
Repeat Pass

Database File:	cgscribner#1oh.db
Dataset Pathname:	pass1
Presentation Format:	kdil
Dataset Creation:	Mon Oct 24 04:42:47 2011 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

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

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





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

Calibration Report

Database File: cgscribner#1oh.db
Dataset Pathname: pass1
Dataset Creation: Mon Oct 24 04:42:47 2011 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 5375-G
Surface Cal Performed: Thu Oct 20 12:47:11 2011
Downhole Cal Performed: Thu Oct 20 12:47:50 2011

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.640	V	0.000	350.000	mmho/m	548.515	-0.941
Medium	0.005	0.741	V	0.000	400.000	mmho/m	543.569	-2.777
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.640	V	0.000	350.000	mmho/m	548.463	-1.028
Medium	0.005	0.742	V	0.000	550.000	mmho/m	746.572	-3.700

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.298	349.896	mmho/m	0.087	350.121	mmho/m	1.001	-0.211
Medium	0.040	400.070	mmho/m	-0.083	400.365	mmho/m	1.001	-0.123
Shallow	2.471	0.009	V	500.000	2.000	Ohm-m	180.293	0.157

Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Sep 26 12:42:46 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	688.93	303.28	cps
Aluminum	2.670	g/cc	128.53	194.02	cps

Spine Angle = 75.10 Density/Spine Ratio = 0.530

	Size		Reading
Small Ring	8.15	in	5771.32
Large Ring	14.00	in	10165.20

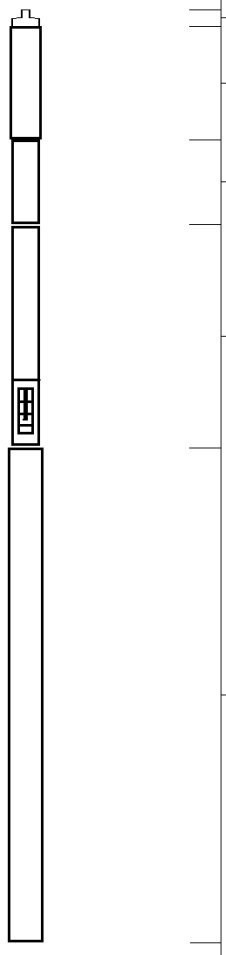
Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Sun Oct 23 08:45:30 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Wed Oct 19 06:16:06 2011	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
NEU	37.96		NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
CILD	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					



Dataset:	cgscribner#1oh.db: field/well/run1/pass1
Total Length:	40.49 ft
Total Weight:	676.00 lb
O.D.	4.00 in