DUAL INDUCTION
LL3/GR LOG

Company QUAIL OIL & GAS, LLC.
Well BOW HUNTER # 1-1
Field OTTO
County COWLEY
State KANSAS

Company QUAIL OIL & GAS, LLC.
Well BOW HUNTER # 1-1
Field OTTO
County COWLEY **State** KANSAS

Location: API # : 15-035-24667-0000
SE NW SW NE
1865' FNL & 2090' FEL
SEC 1 TWP 34S RGE 6E

Other Services
CDL/SWN, MEL, SONIC

Elevation
K.B. 1237'
D.F. 1236'
G.L. 1228'

Permanent Datum GL Elevation 1228'
Log Measured From KB
Drilling Measured From KB

Date	04-24-2017		
Run Number	ONE		
Depth Driller	2880'		
Depth Logger	2879'		
Bottom Logged Interval	2877'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 296'		
Casing Logger	8.625" @ 296'		
Bit Size	7 7/8"		
Type Fluid in Hole	DISPERSED		
Density / Viscosity	9.4 / 61		
pH / Fluid Loss	9.0 / 7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.30 @ 70		
Rmf @ Meas. Temp	2.70 @ 70		
Rmc @ Meas. Temp	1.90 @ 70		
Source of Rmf / Rmc	CAL		
Rm @ BHT	1.49 @ 119		
Time Circulation Stopped	8:00 AM		
Time Logger on Bottom	11:15 AM		
Maximum Recorded Temperature	119		
Equipment Number	OW2		
Location	HOMINY ,OK		
Recorded By	LOWERY	R. KIDD	
Witnessed By	MR. SHOBE		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

OW2-8982

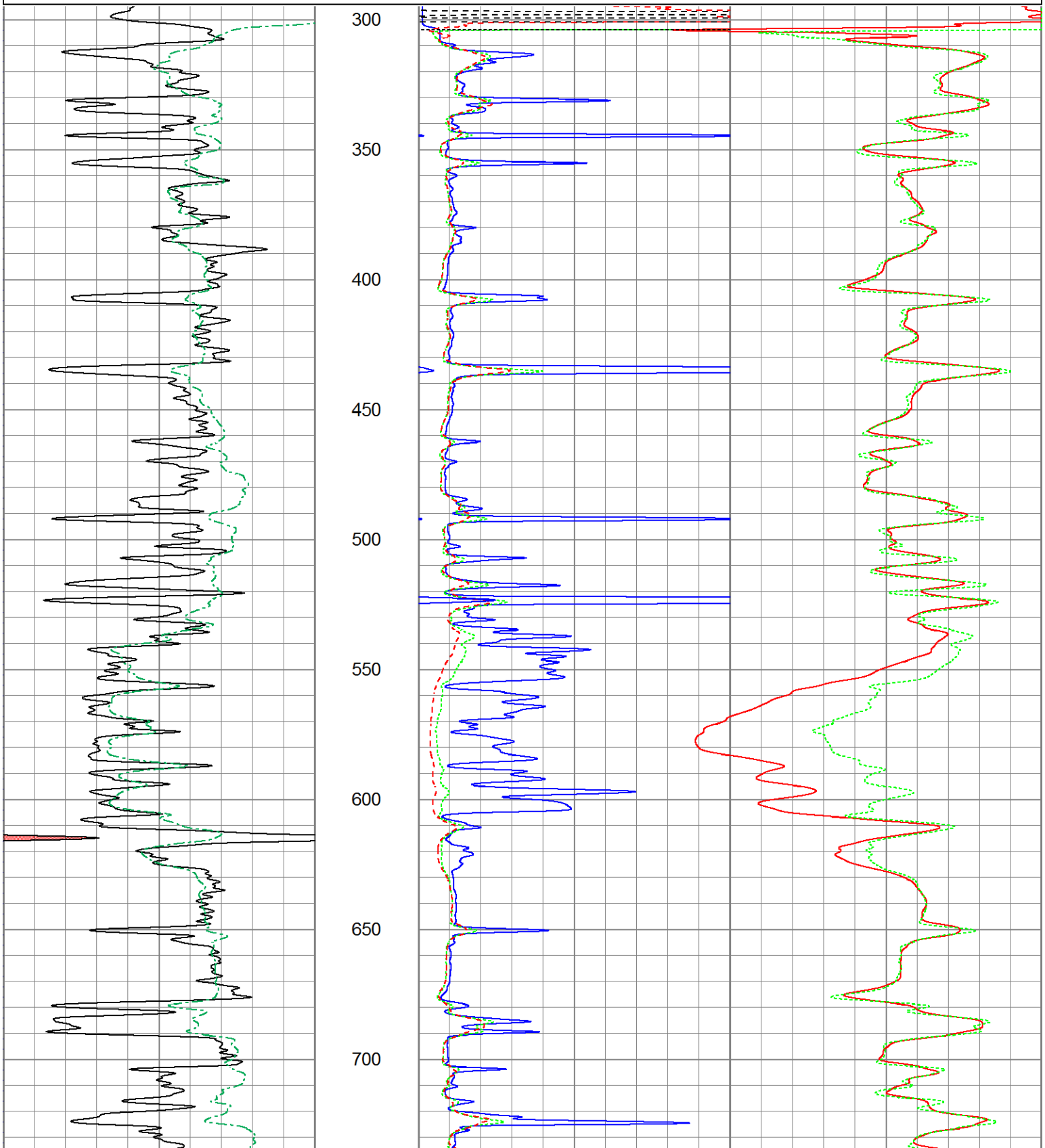
CREW : B. MARSHALL

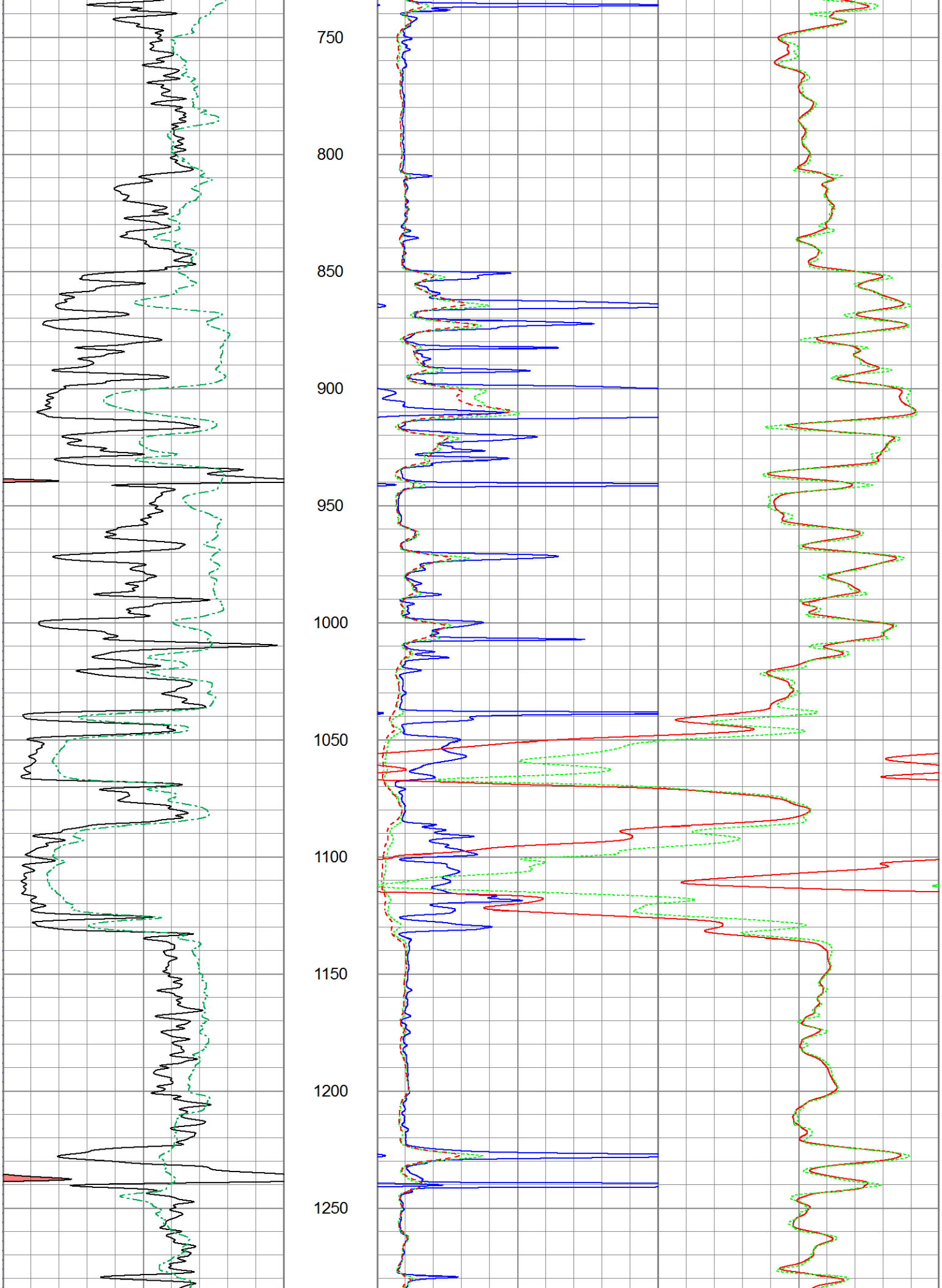
2" DIL SECTION

Database File	ow2-8982 marmik oil.db
Dataset Pathname	DILM/pass1.4
Presentation Format	dil2mdcol
Dataset Creation	Mon Apr 24 13:41:09 2017
Charted by	Depth in Feet scaled 1:600

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

1000	CILD (mmho/m)	0
1000	CILM (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	RILM (Ohm-m)	50
0	RILD (Ohm-m)	50

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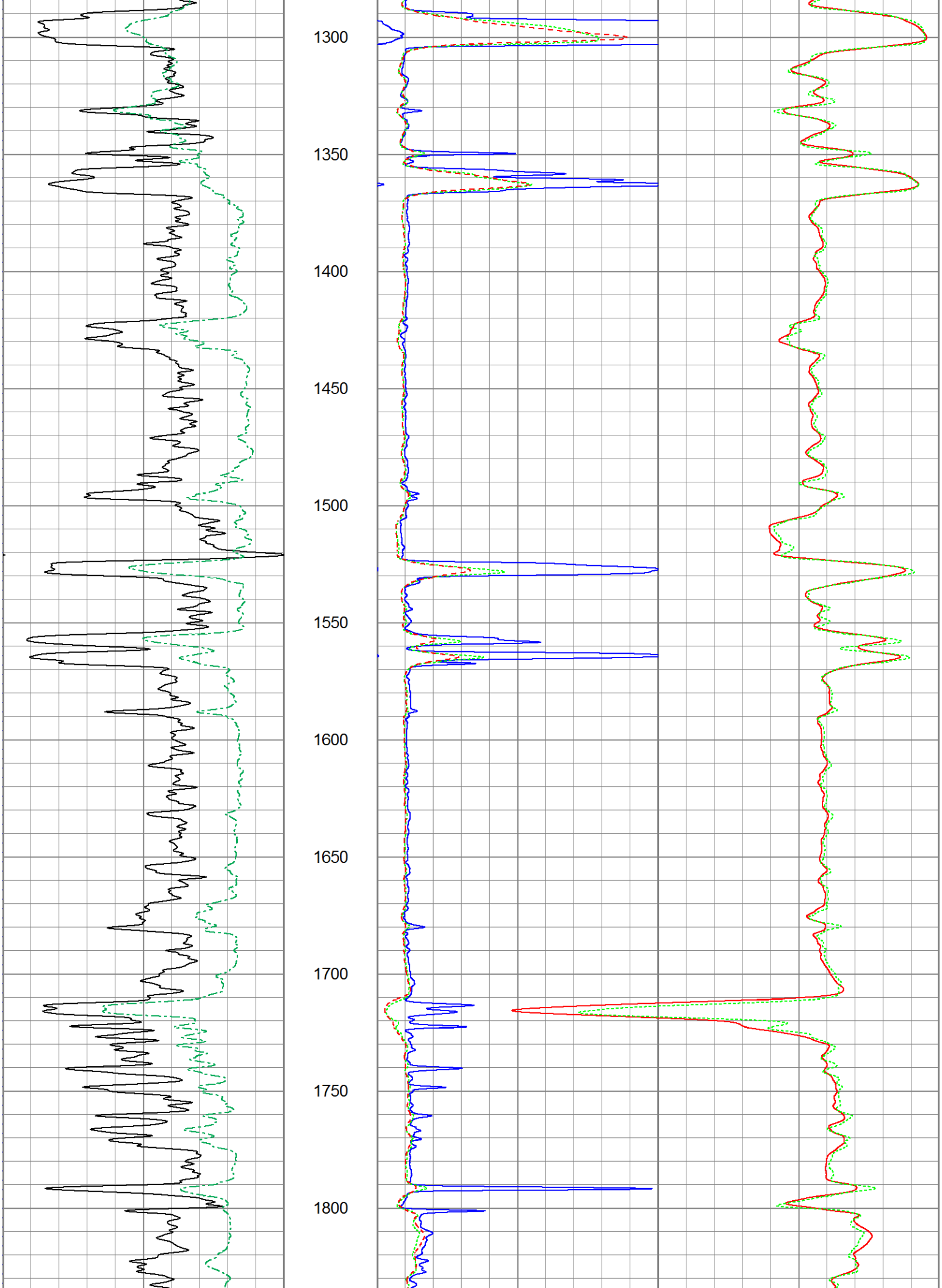
1250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1750
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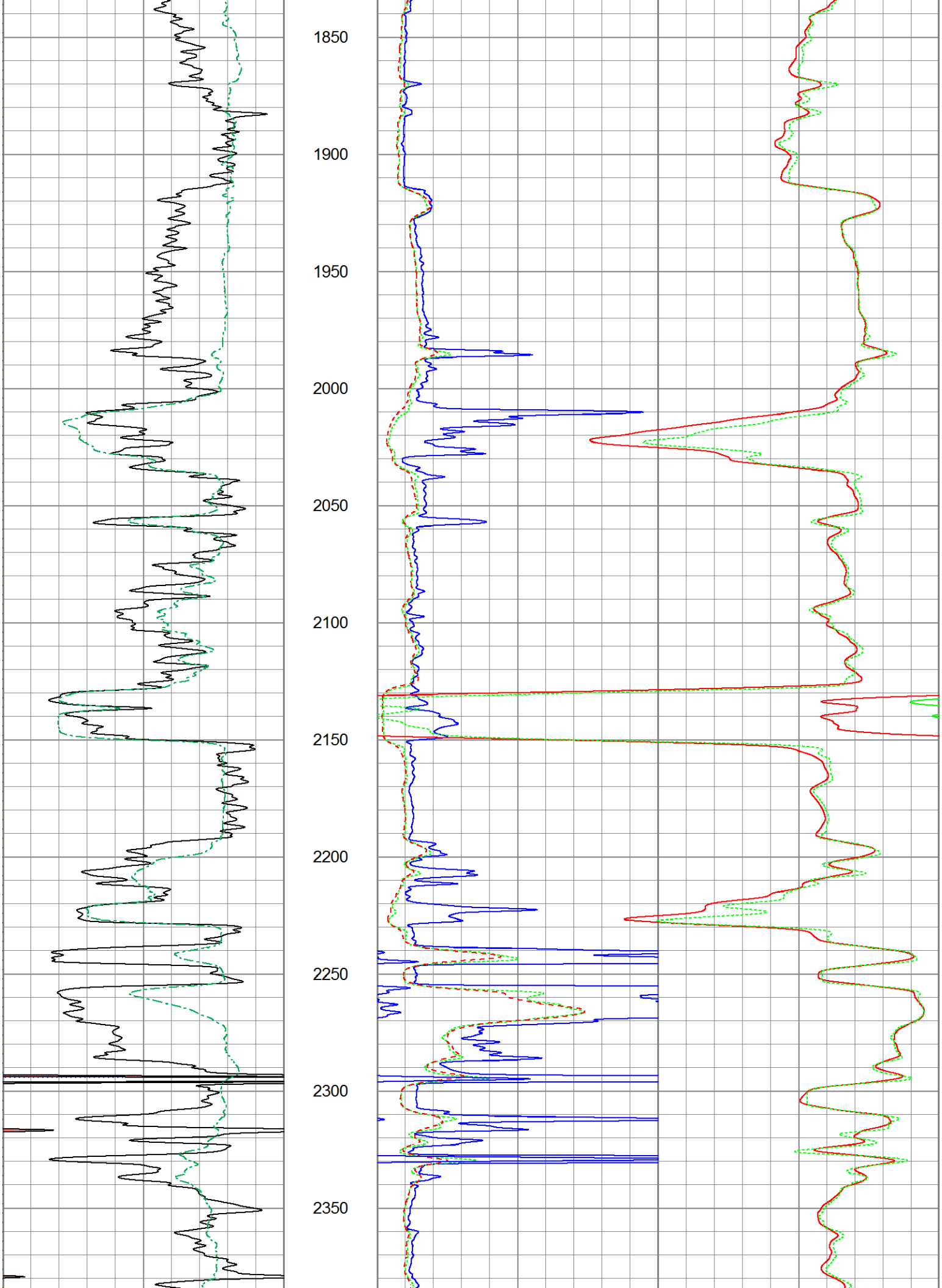
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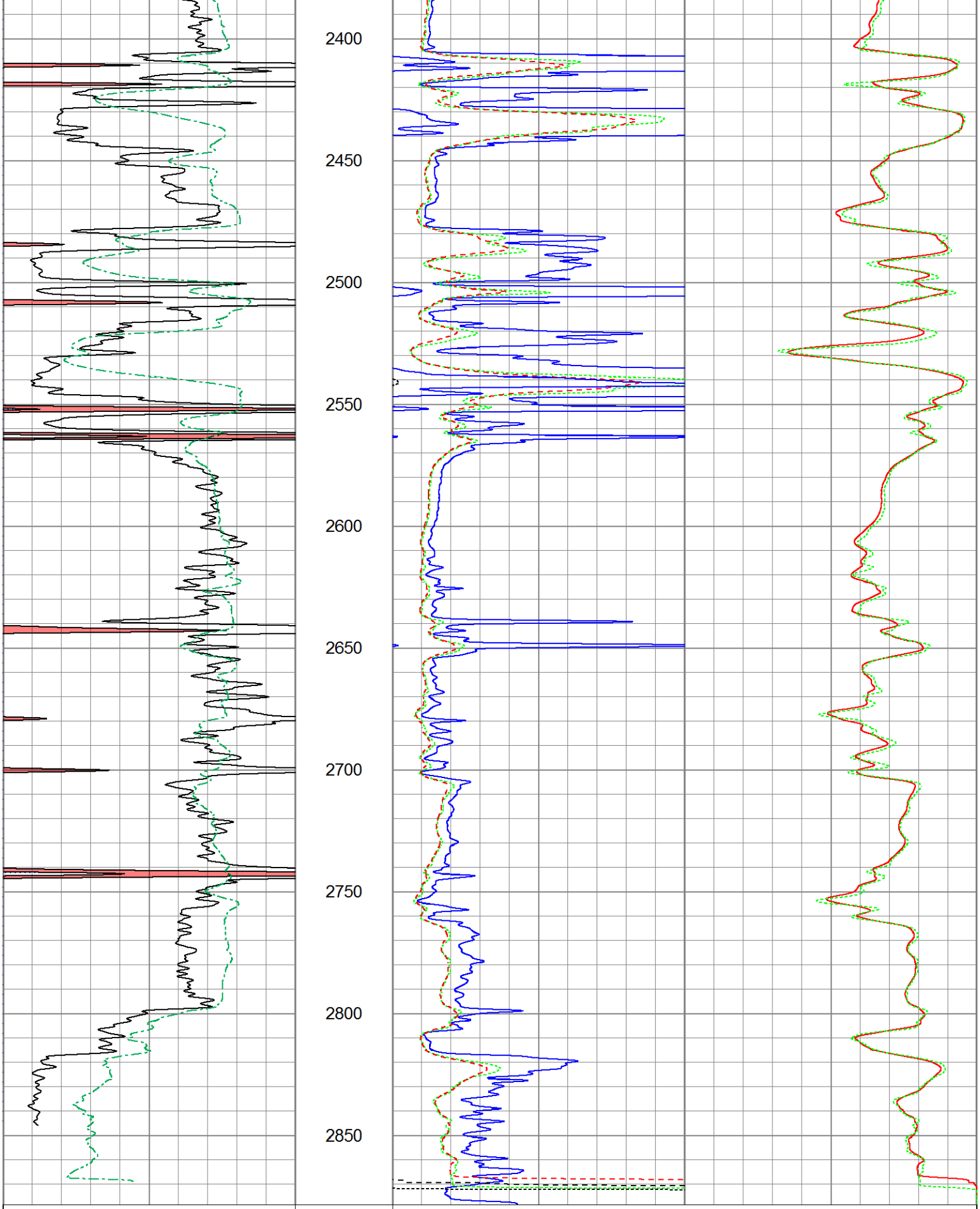
2250
2300
2350

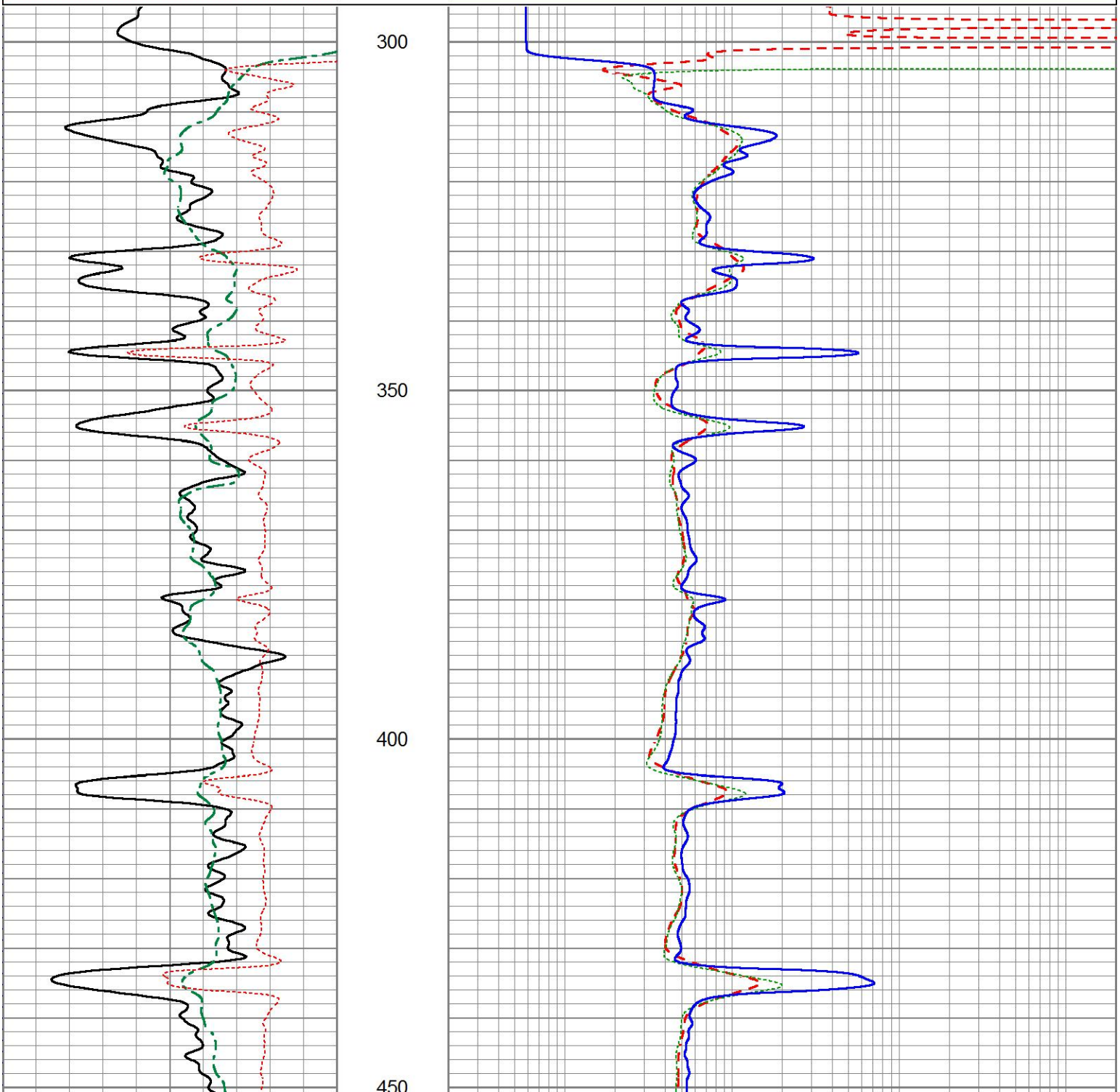

2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
0 GR (GAPI) 150
0 SP (mV) 200
1000 CILD (mmho/m) 0
1000 CILM (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 RILM (Ohm-m) 50
0 RILD (Ohm-m) 50

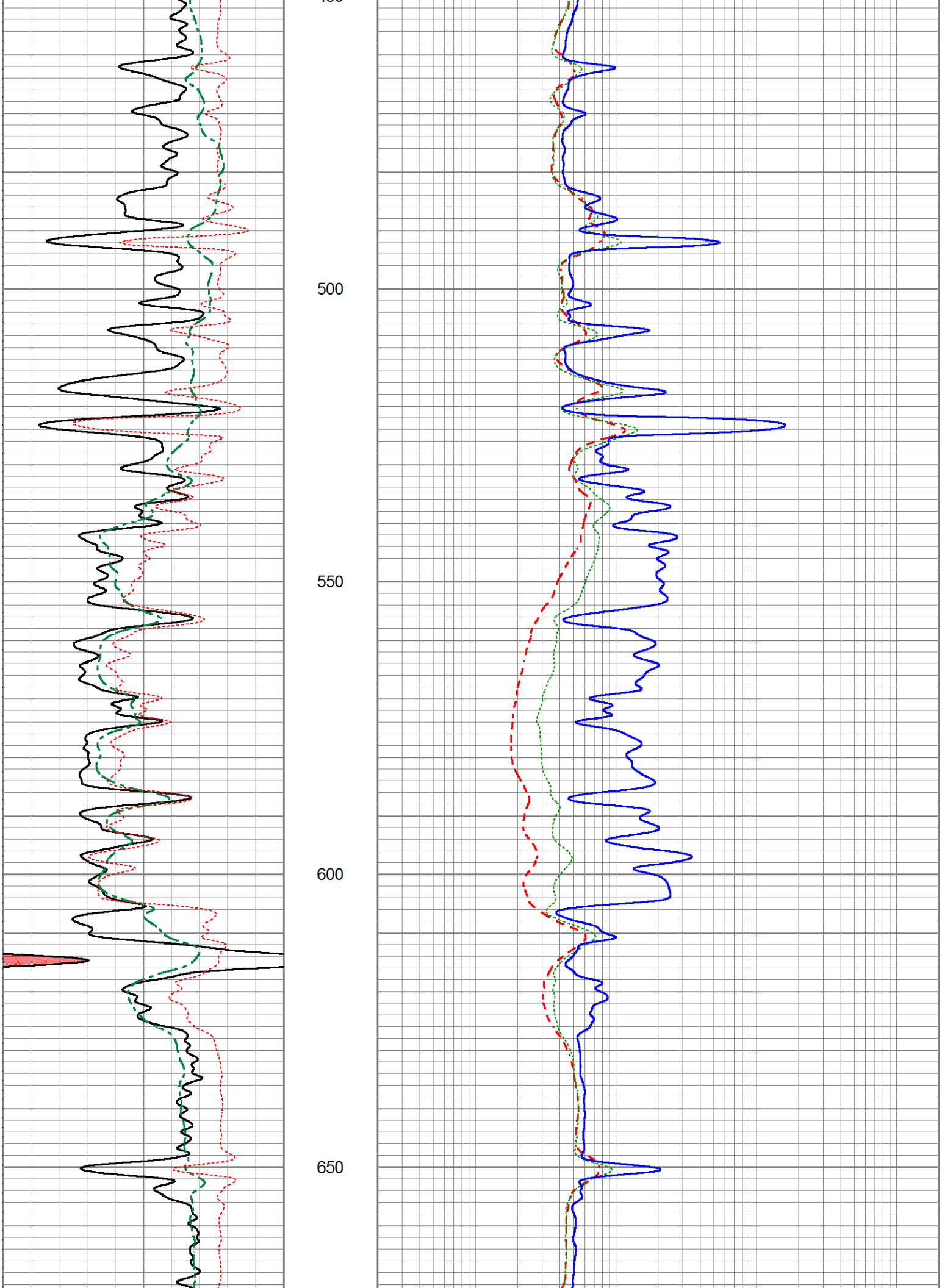
5" DIL SECTION

Database File	ow2-8982 marmik oil.db
Dataset Pathname	DILM/pass1.3
Presentation Format	dil5mdcol
Dataset Creation	Mon Apr 24 13:41:02 2017
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
0	SP (mV)	200
-160	Rxo\Rt	40

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000

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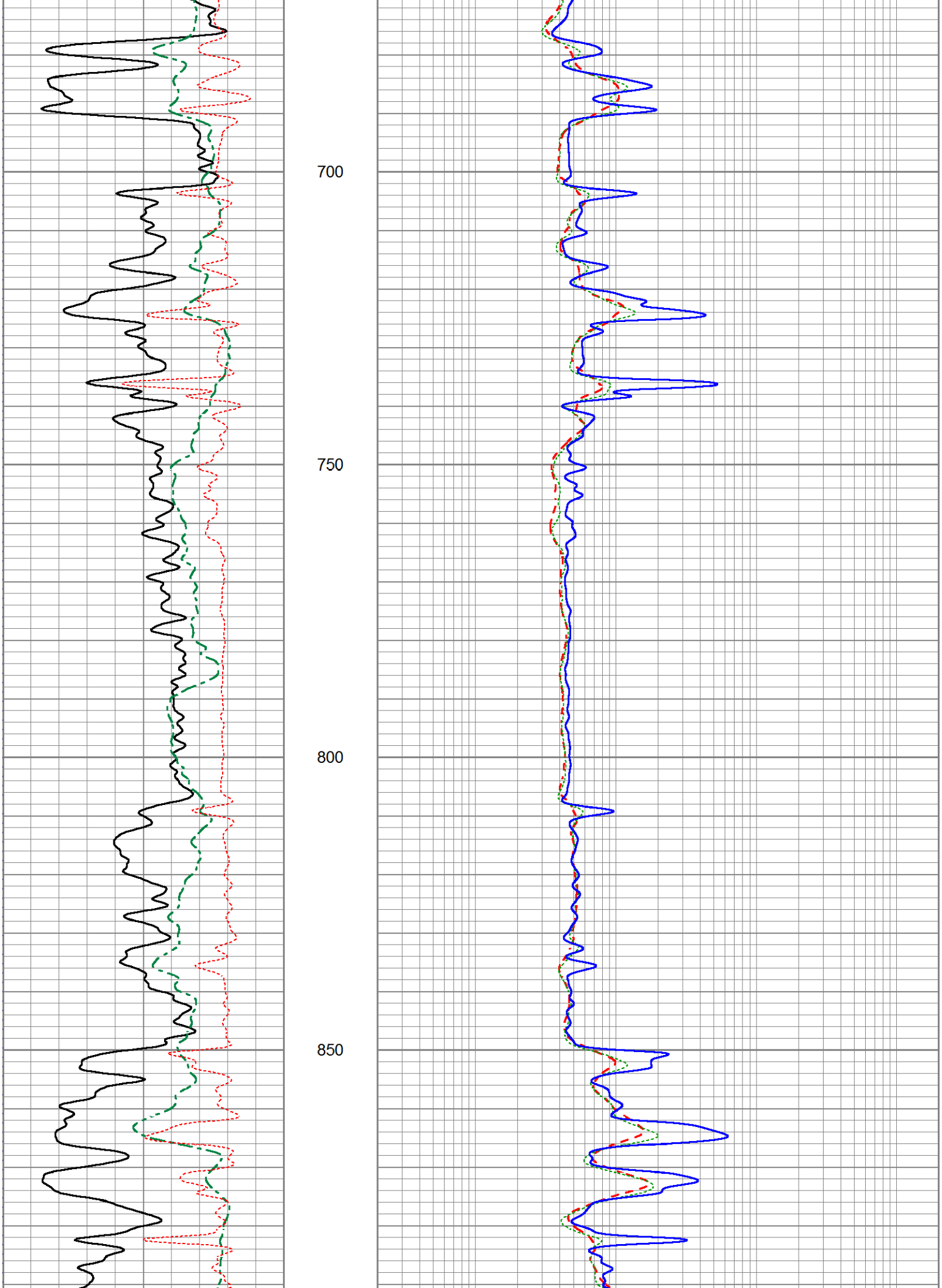
550
600
650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800
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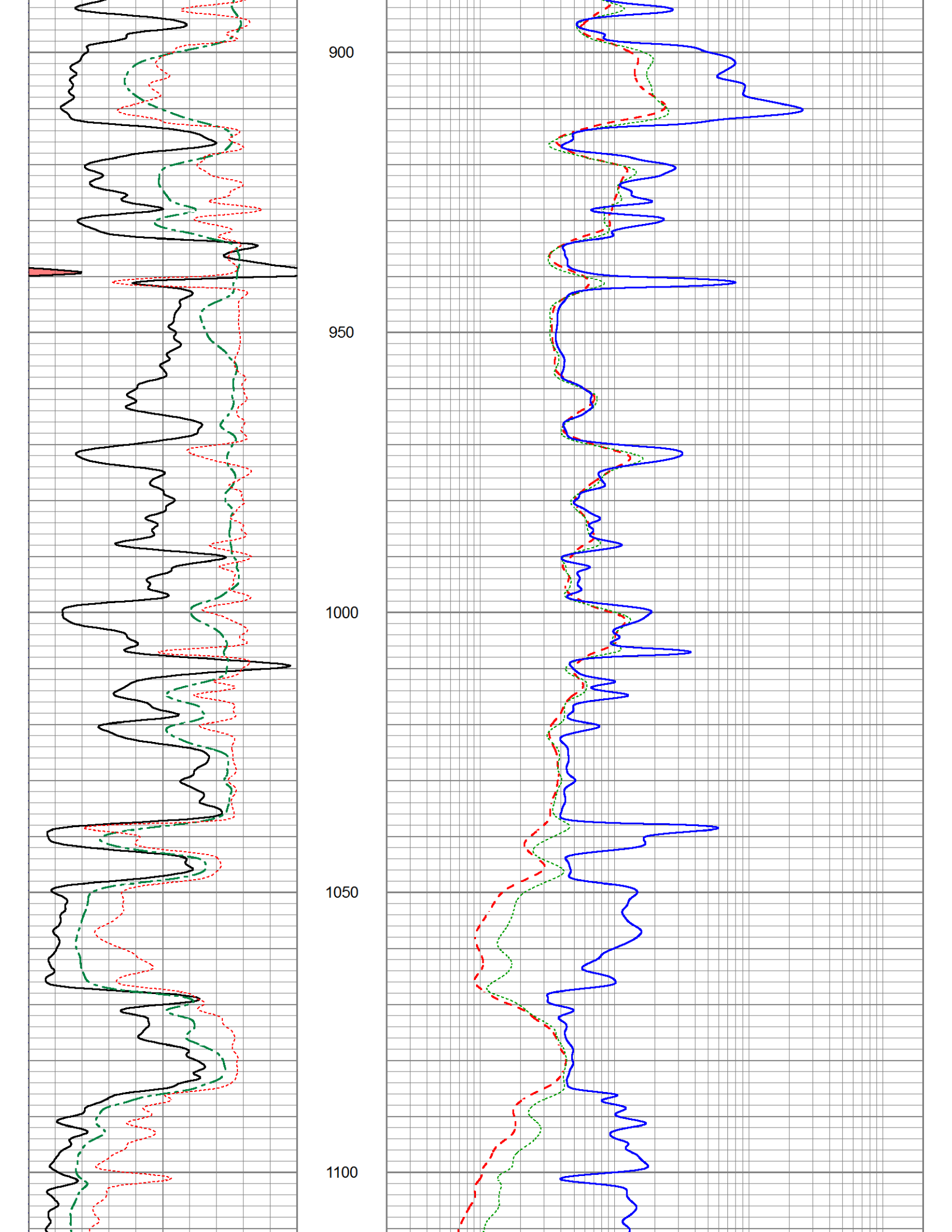
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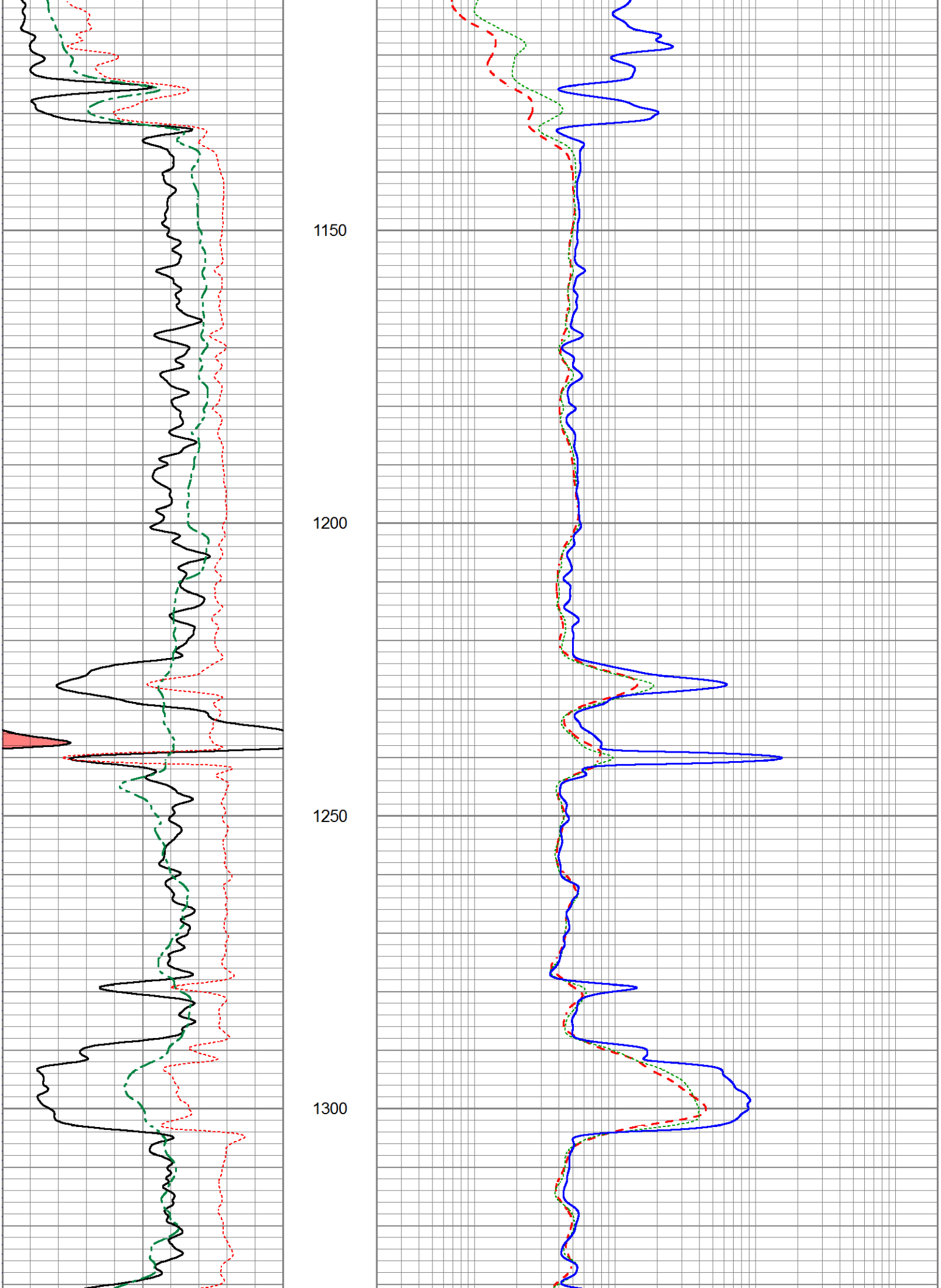
1000
1050
1100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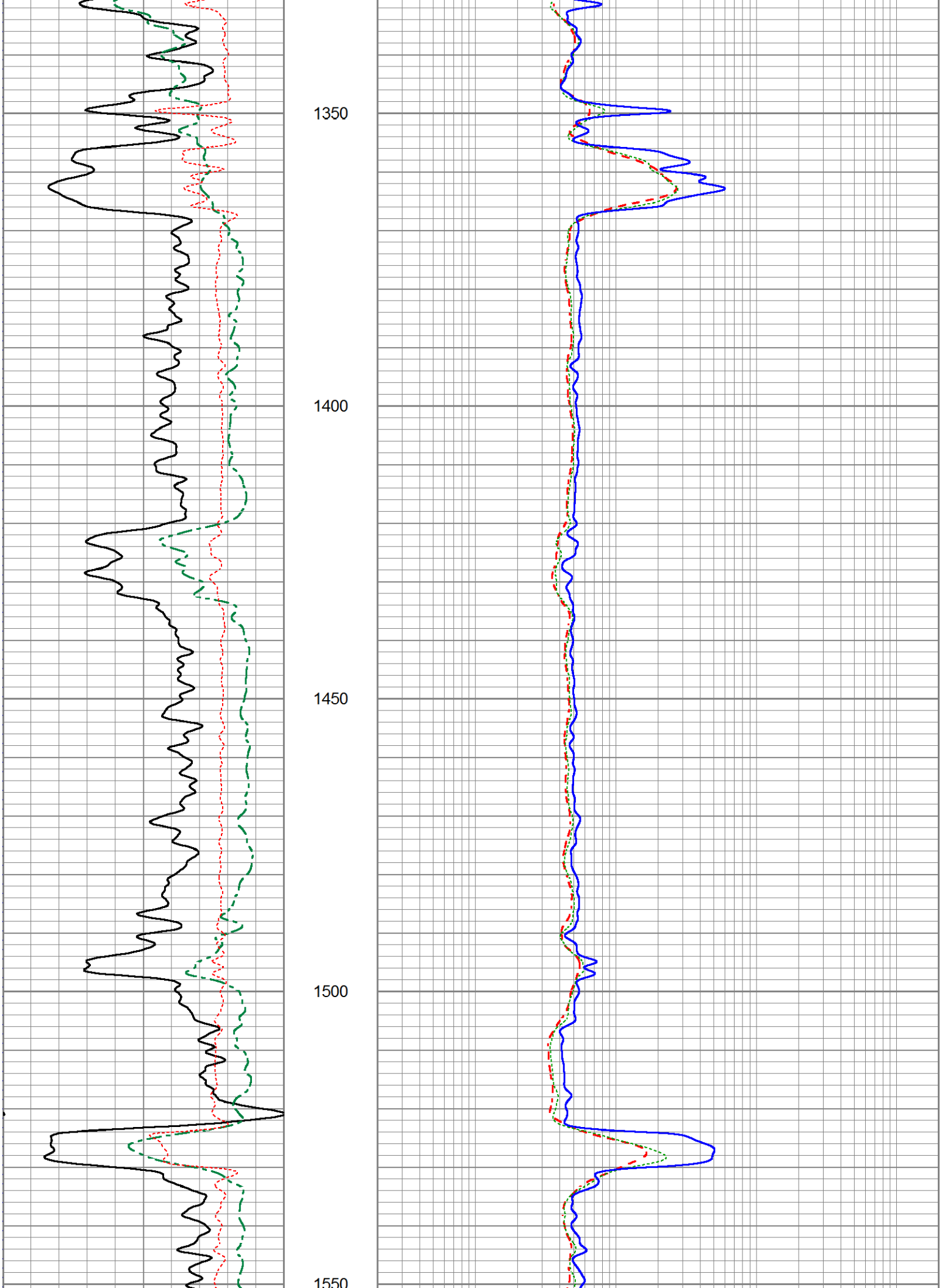
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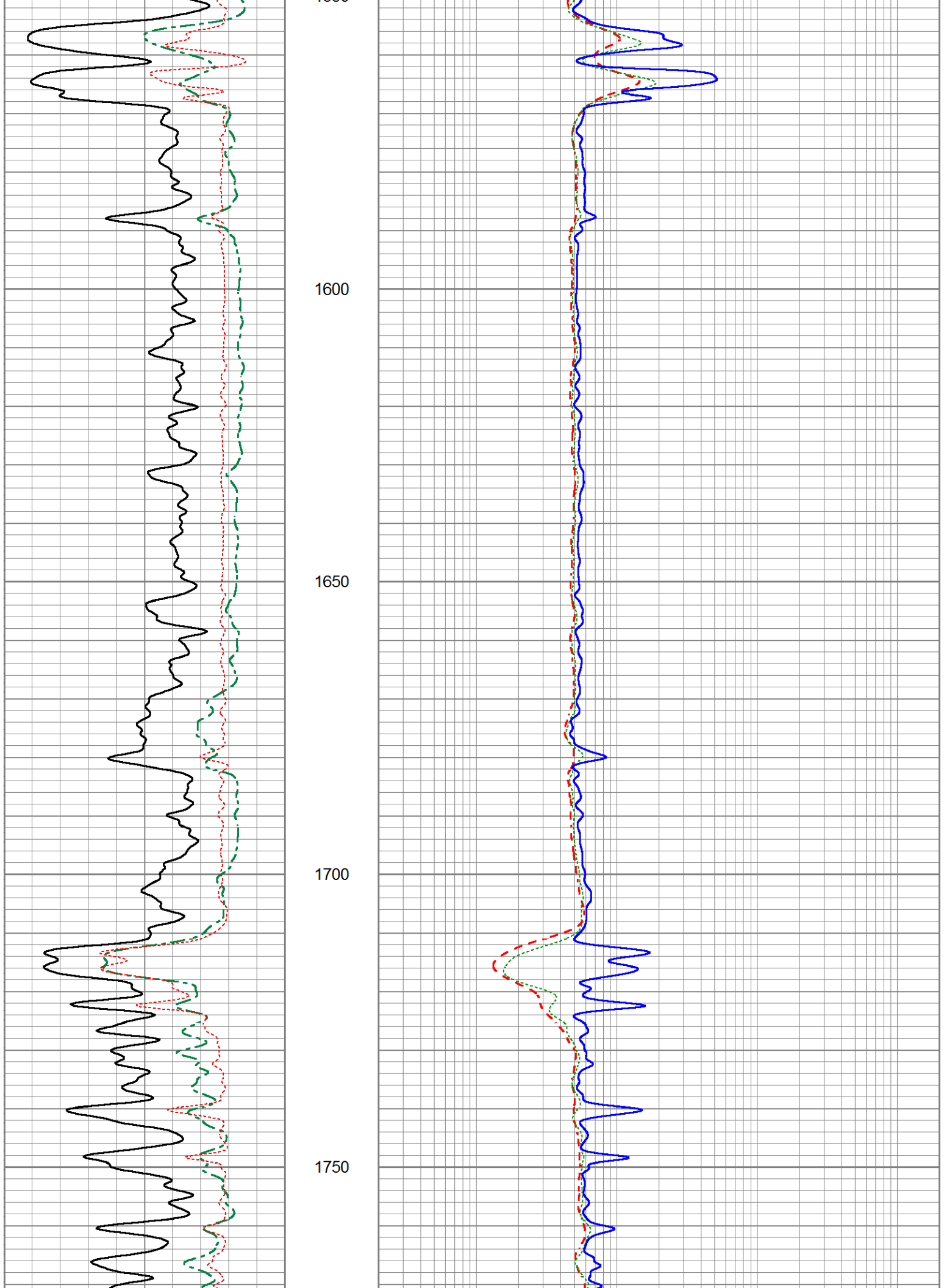
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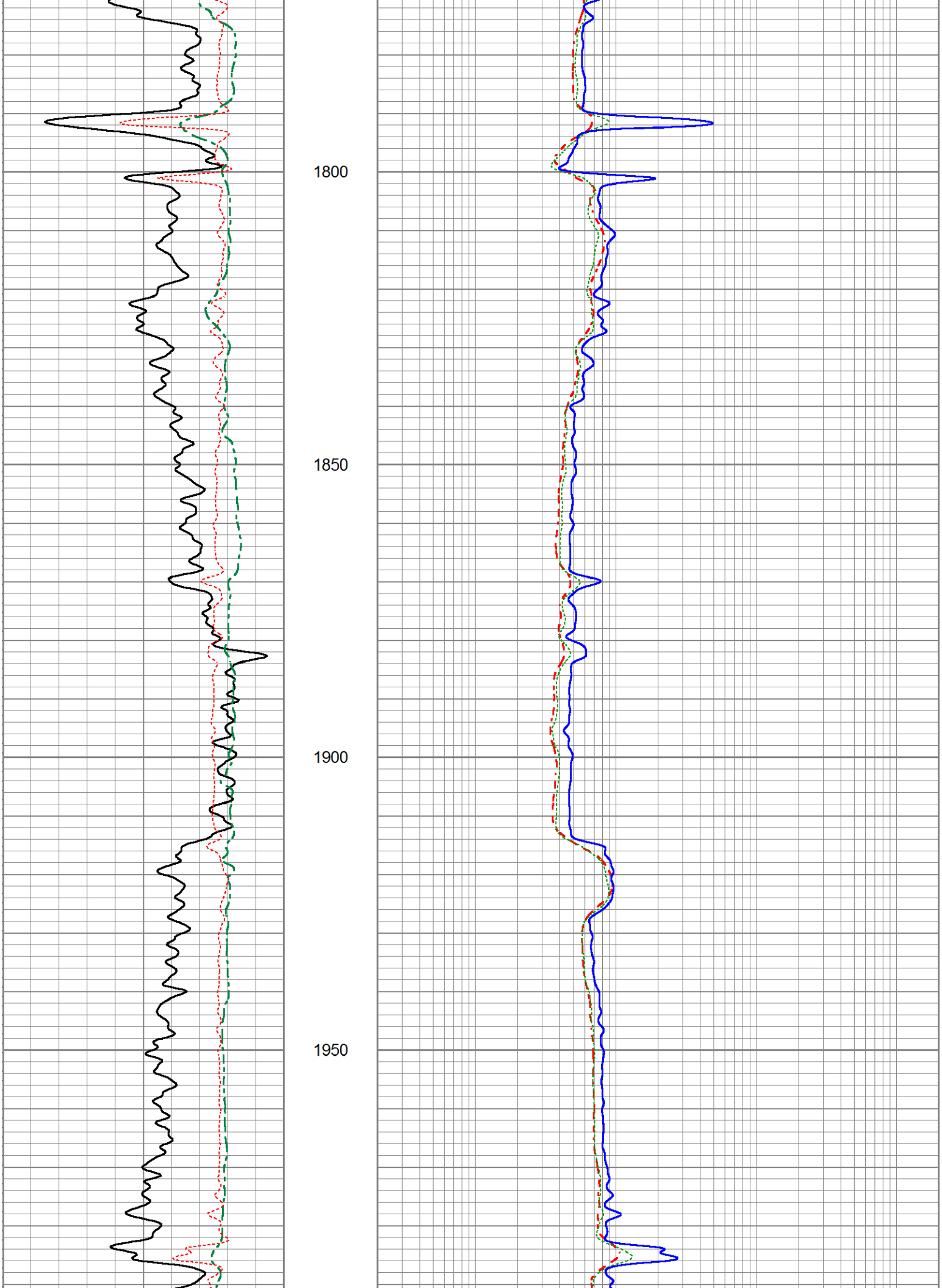
1700
1750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1900
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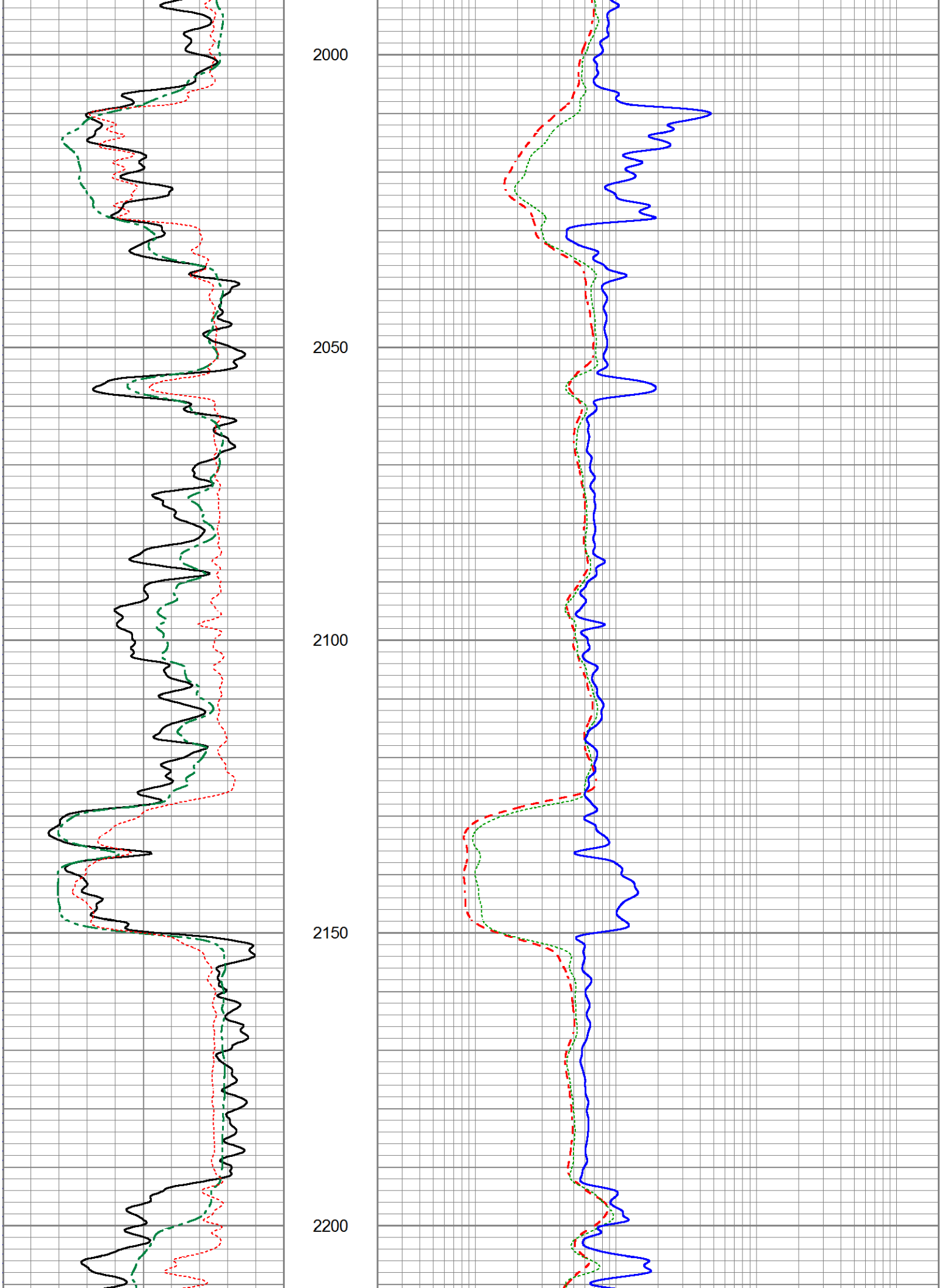
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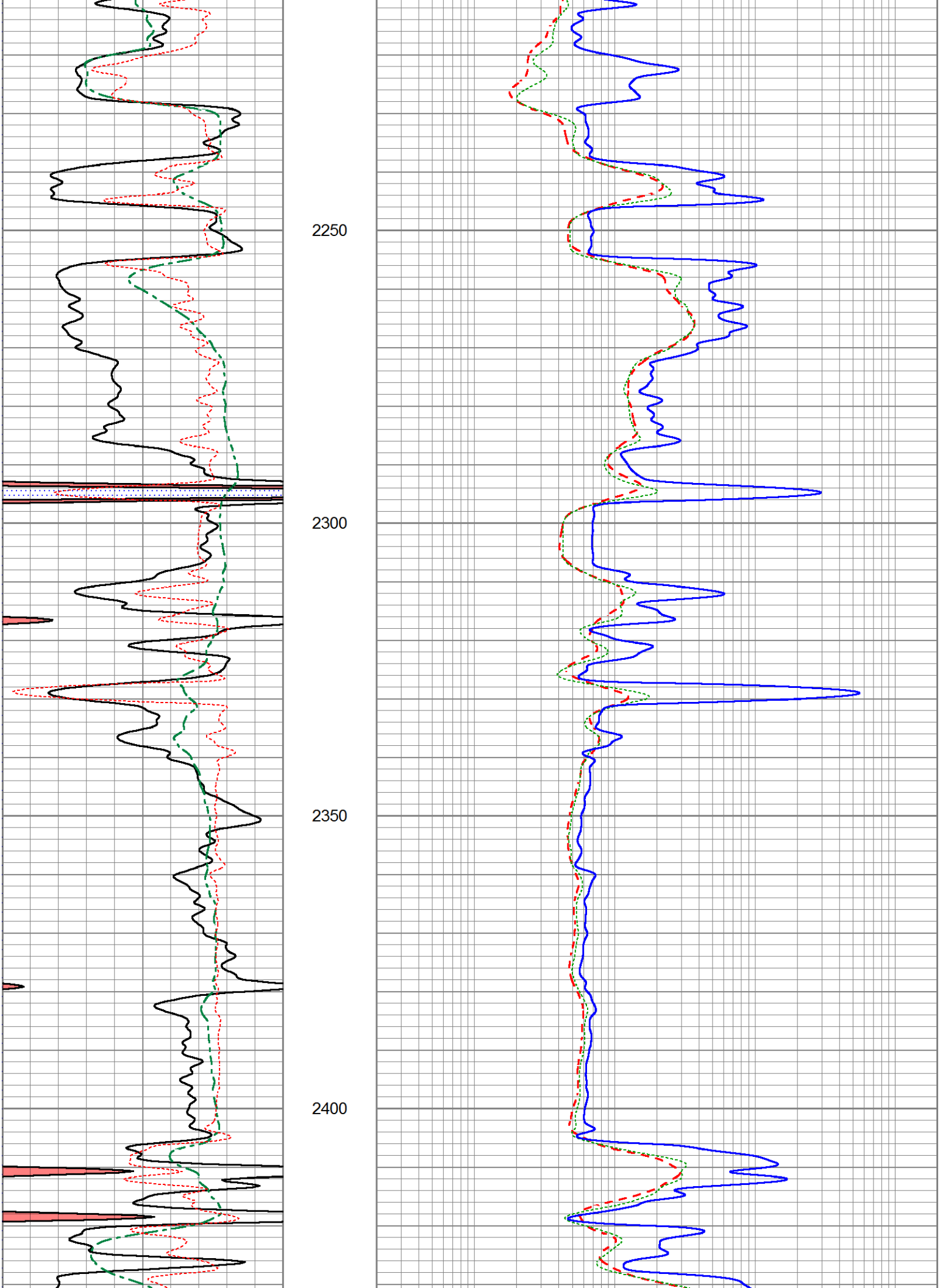
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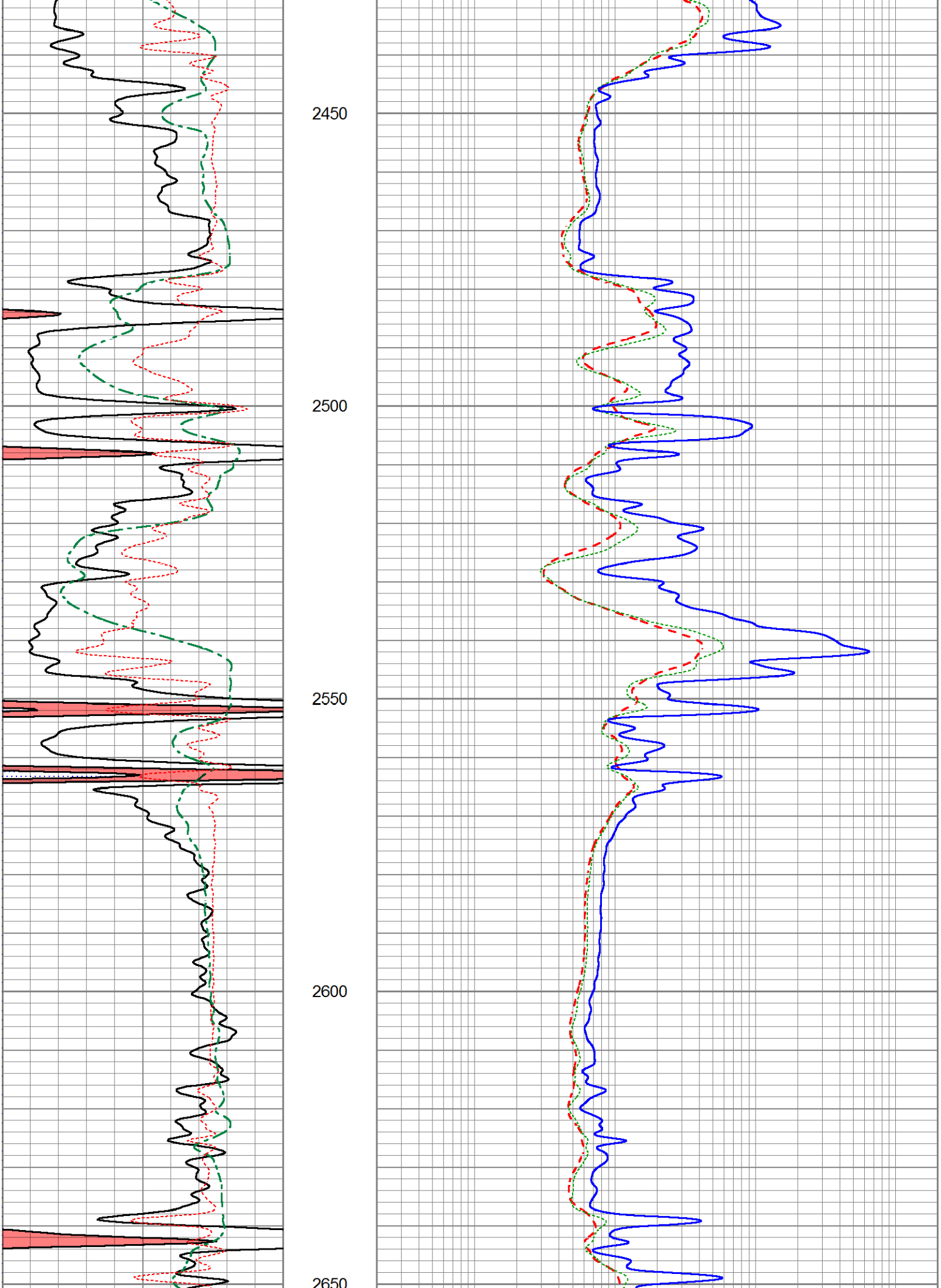
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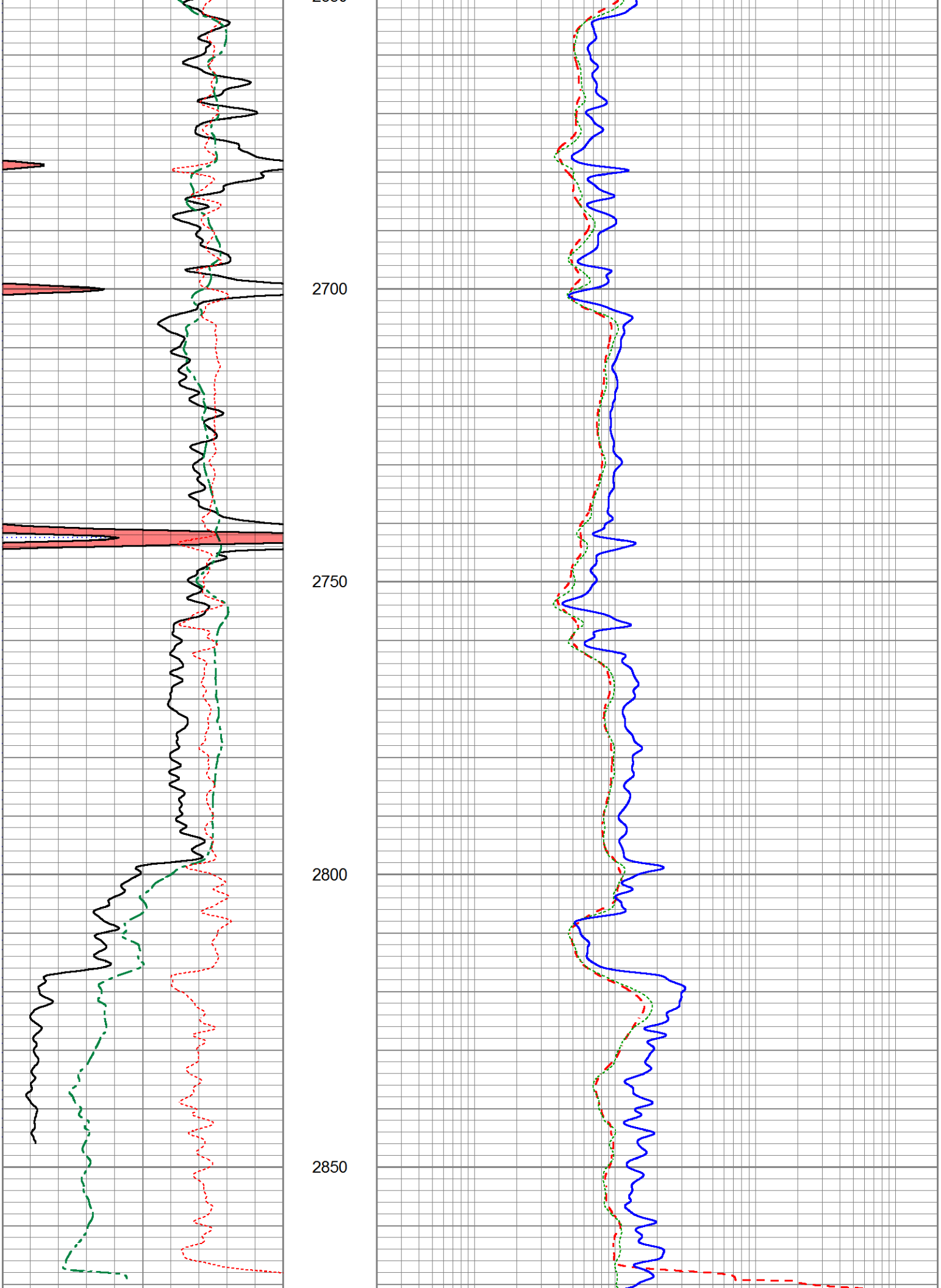
2650


2700
2750
2800
2850

0	Gamma Ray (GAPI)	150
0	SP (mV)	200
-160	Rxo\Rt	40

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000

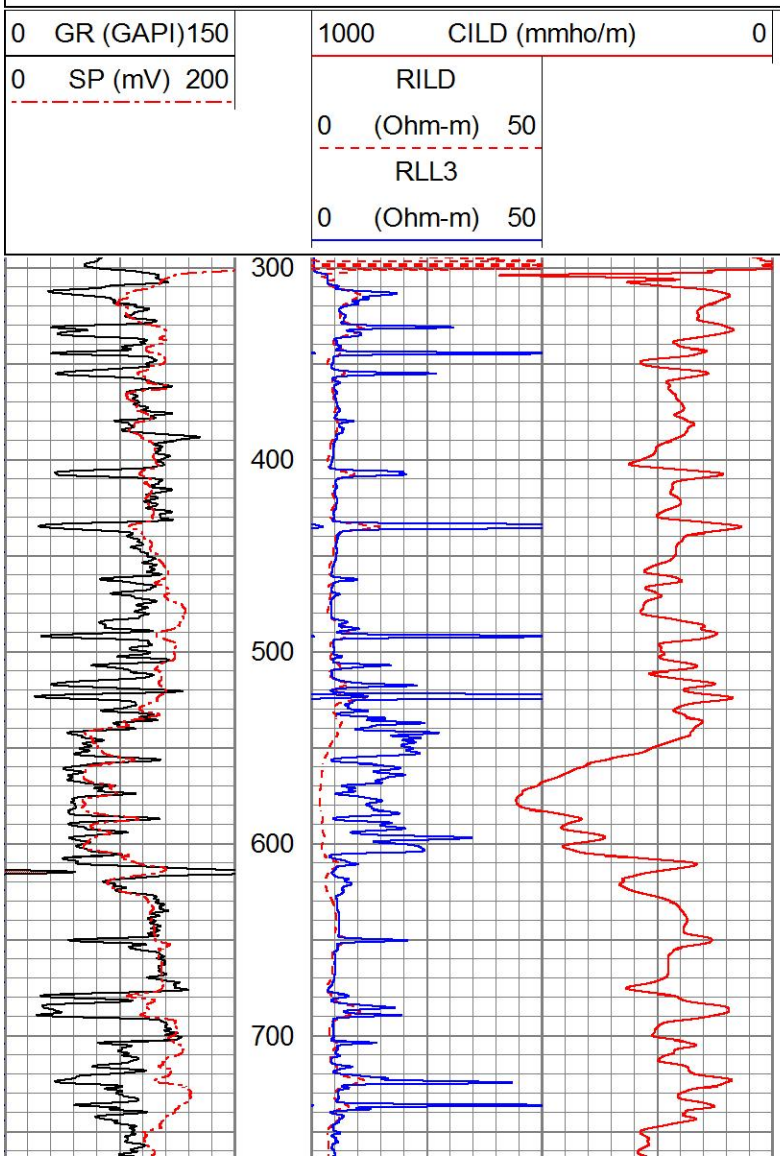
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GRTemp	30.82		GR-PTS_OH (FW1306-49) Open Hole Digital Gamma Ray	3.69	3.38	40.00
GR	29.91					
			MEL-GOI (TEL) Digital Telemetry Microlog	7.21	3.50	150.00
MCAL	22.99					
MI	22.99					
MN	22.86					
			DIL-GEAR (158) Dual Induction Electrical Log	21.36	4.00	395.00
CILD	10.92					
SP	10.42					
CILM	7.00					

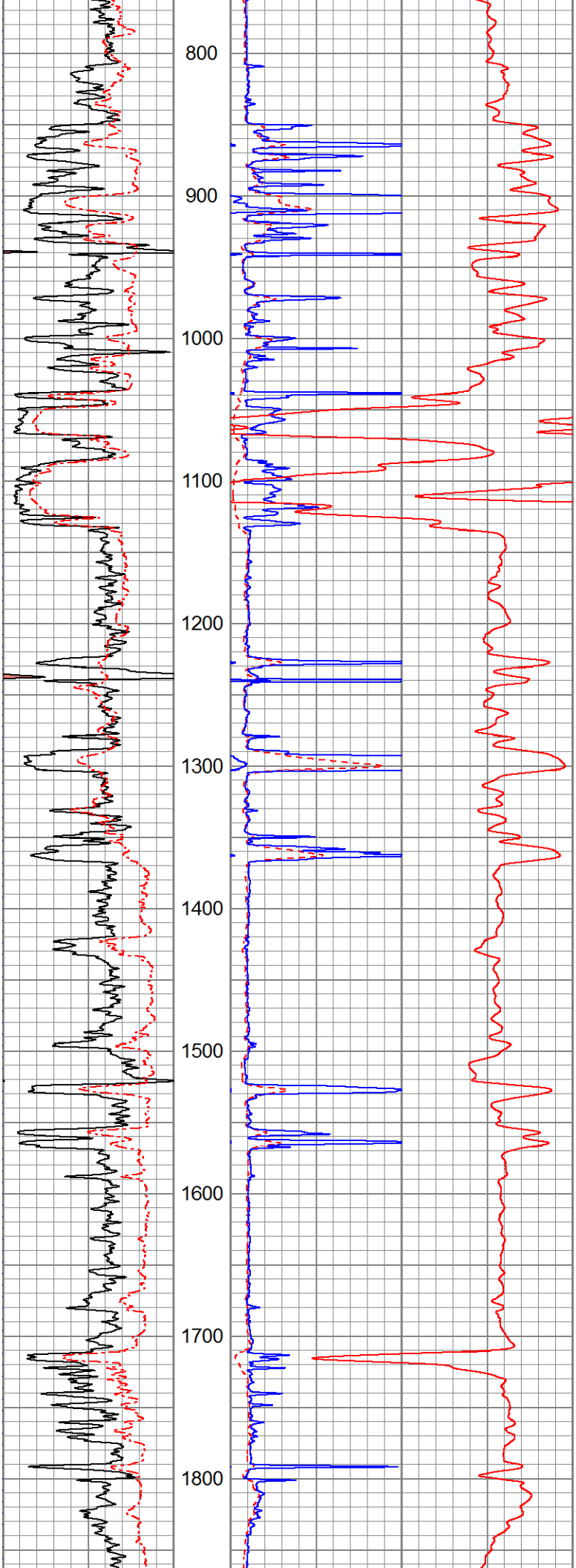
RLL3	1.65					

Dataset:	ow2-8982 marmik oil.db: field/well/DILM/pass1
Total length:	32.26 ft
Total weight:	585.00 lb
O.D.:	4.00 in

1" DIL SECTION

Database File	ow2-8982 marmik oil.db
Dataset Pathname	DILM/pass1.2
Presentation Format	dil1
Dataset Creation	Mon Apr 24 13:40:55 2017
Charted by	Depth in Feet scaled 1:1200

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1100
1200
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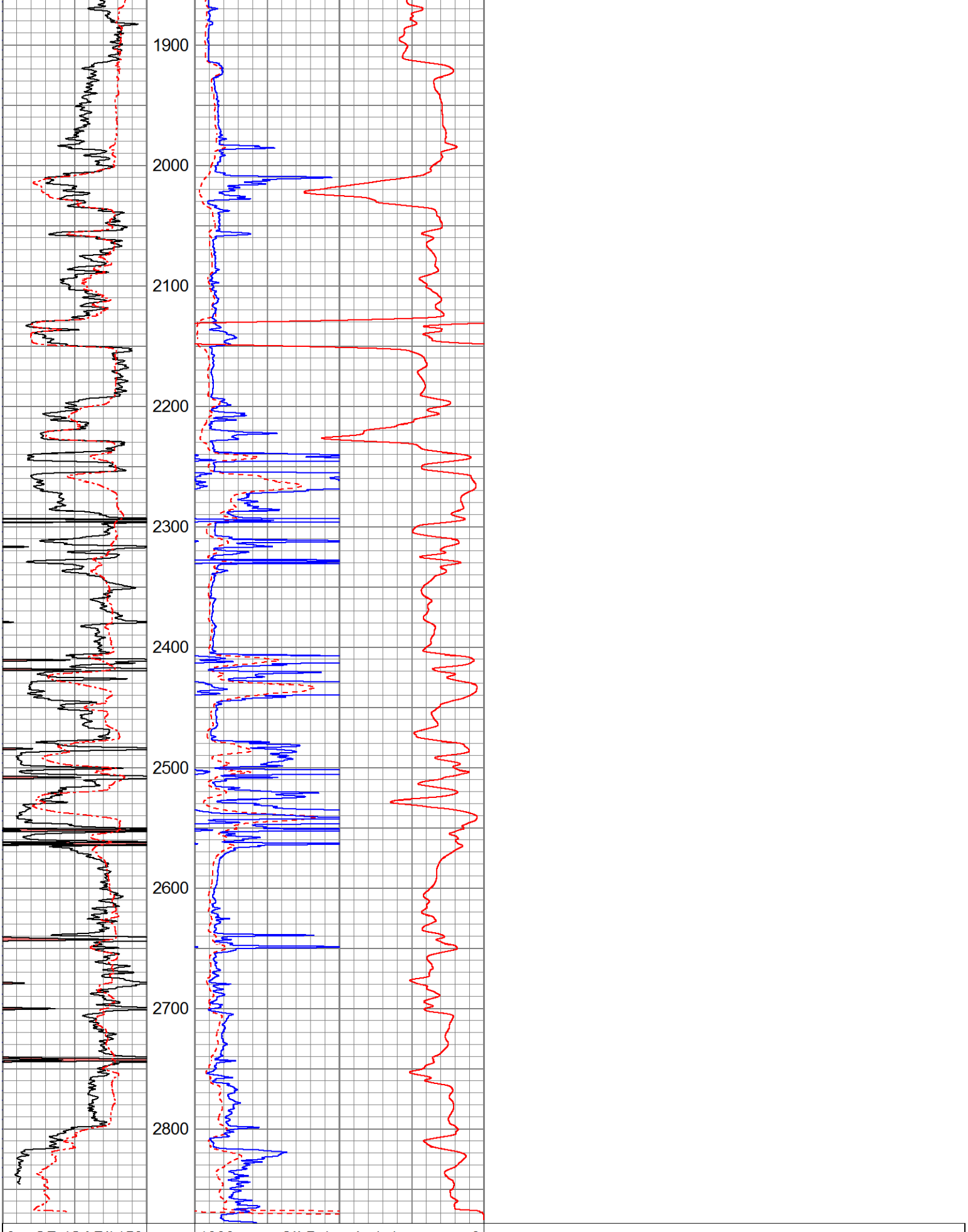
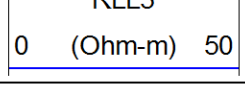
1400
1500
1600
1700
1800


1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
0 GR (GAPI) 150
0 SP (mV) 200
1000 CILD (mmho/m) 0
RILD
0 (Ohm-m) 50


RES3
0
(Ohm-m)
50