Pioneer Energy Services

Dual Induction Log

API No. 15-101-22,498-00-00

Company	Forestar Petroleum Corporation
Well	Virginia No. 1-1
Field	Wildcat
County	Lane
State	Kansas

Location: NW-NE-SW-NE
1450' FNL & 1970' FEL

Sec: 1 Twp: 18S Rge: 28W

Other Services: CNL/CDL, MEL/BHCS

Permanent Datum: Ground Level — Elevation 2627
Log Measured From: Kelly Bushing — 9 Ft. Above Perm. Datum
Drilling Measured From: Kelly Bushing

Elevation
K.B. 2636
D.F.
G.L. 2627

Date	3/25/14		
Run Number	One		
Depth Driller	4600		
Depth Logger	4600		
Bottom Logged Interval	4599		
Top Log Interval	250		
Casing Driller	8.625 @ 263		
Casing Logger	262		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	3,400		
Density / Viscosity	9.5 / 62		
pH / Fluid Loss	10.0 / 6.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.26 @ 41		
Rmf @ Meas. Temp	.20 @ 41		
Rmc @ Meas. Temp	.35 @ 41		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.09 @ 122		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	122		
Equipment Number	17		
Location	Hays		
Recorded By	J. Henrickson		
Witnessed By	Macklin Armstrong		

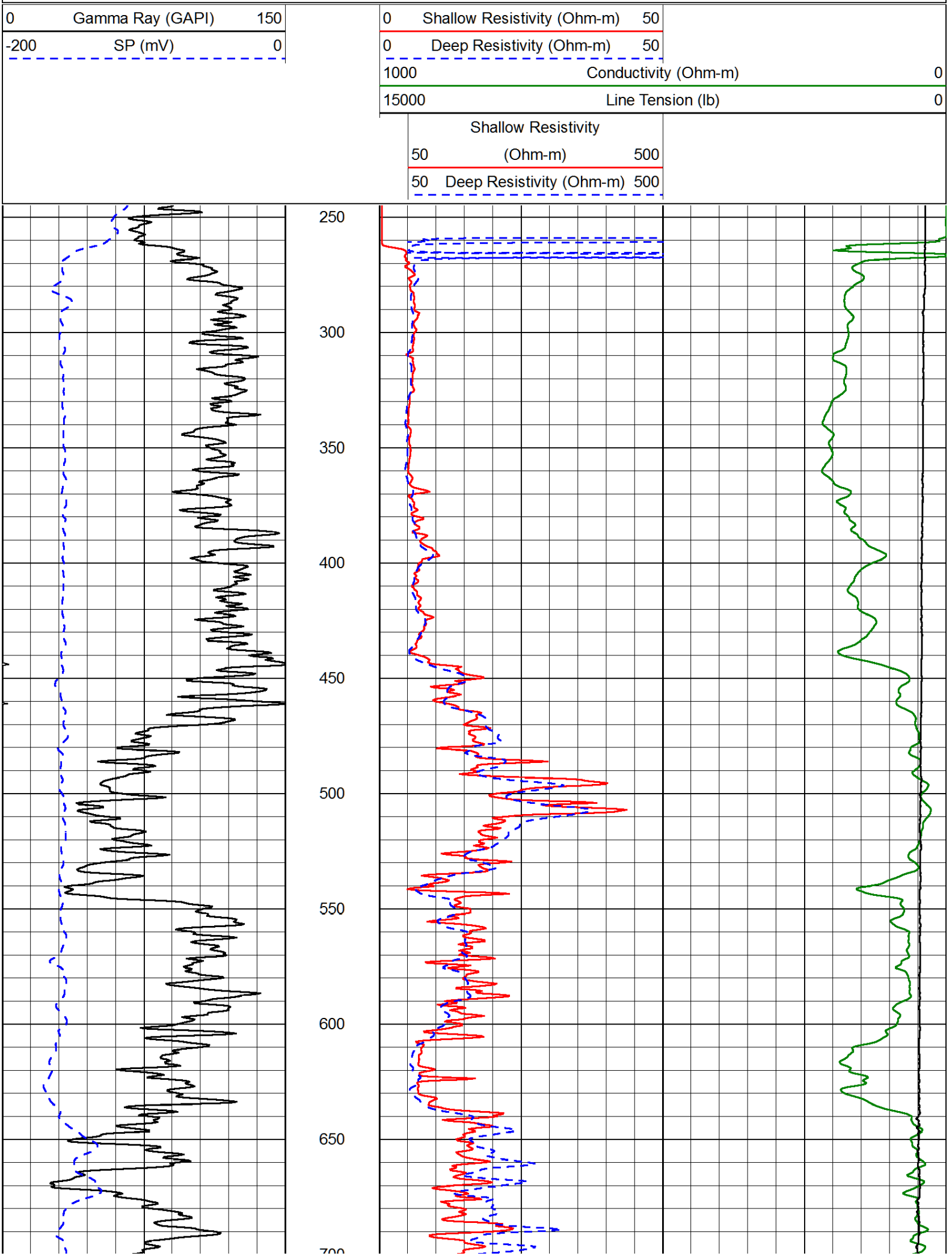
<<< Fold Here >>>

Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Dighton Kansas
East to Pawnee Rd, 2 North, East Into

Database File:	forestar_virginia_1_1hd.db
Dataset Pathname:	DIL/forestk
Presentation Format:	dil2in
Dataset Creation:	Tue Mar 25 08:57:48 2014
Charted by:	Depth in Feet scaled 1:600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-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500
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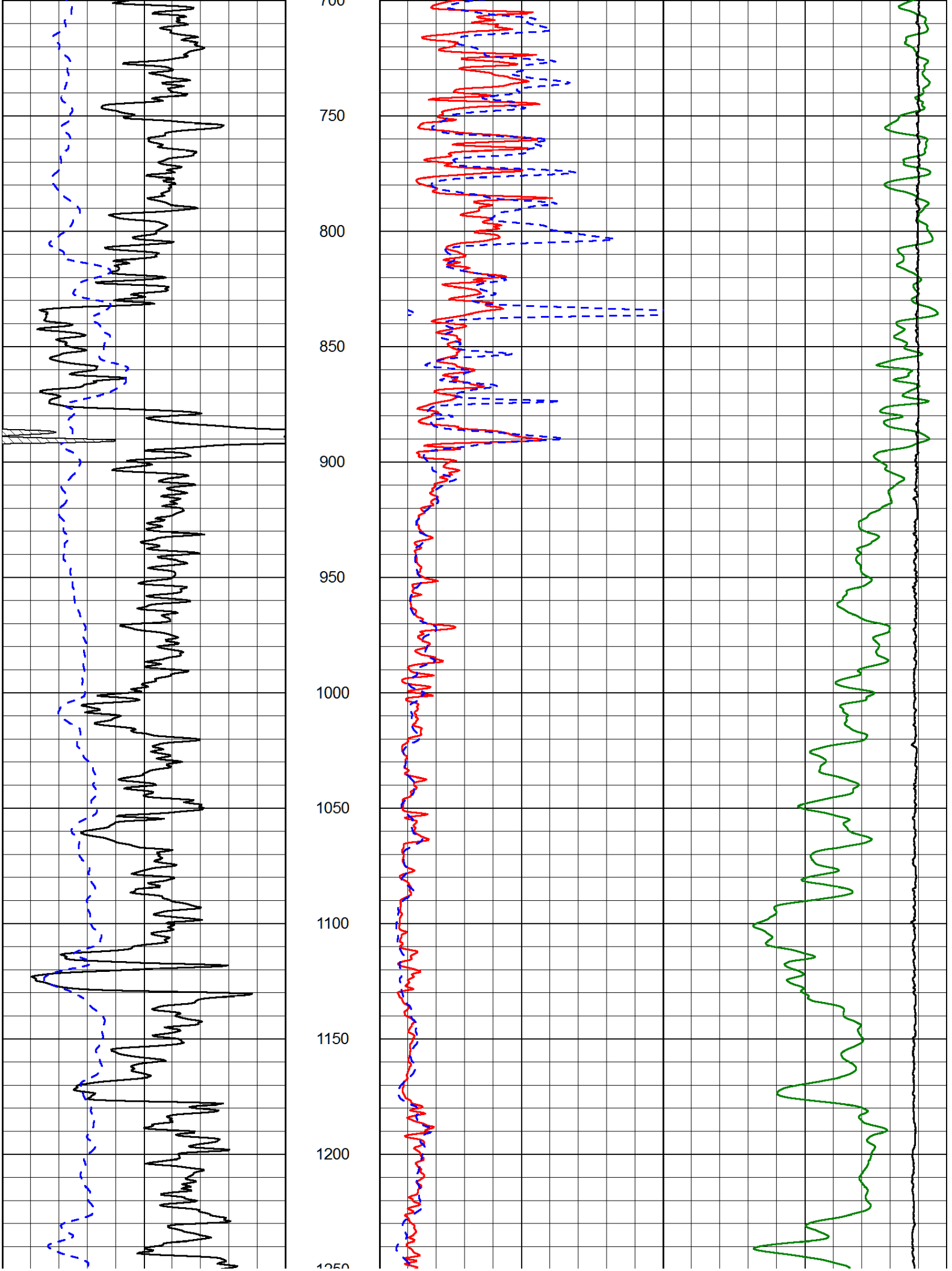
300
350
400
450
500
550
600
650
700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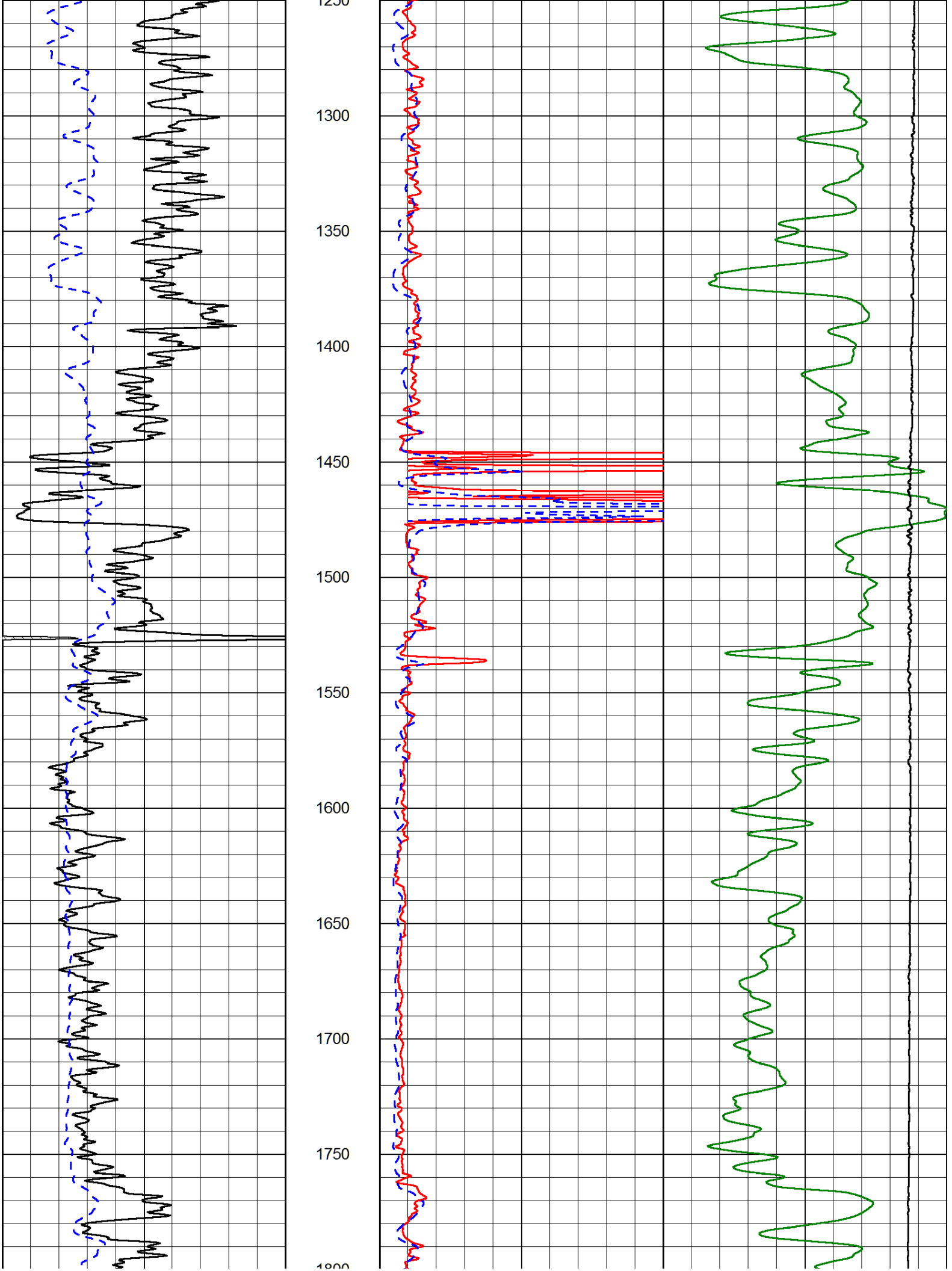
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1700
1750
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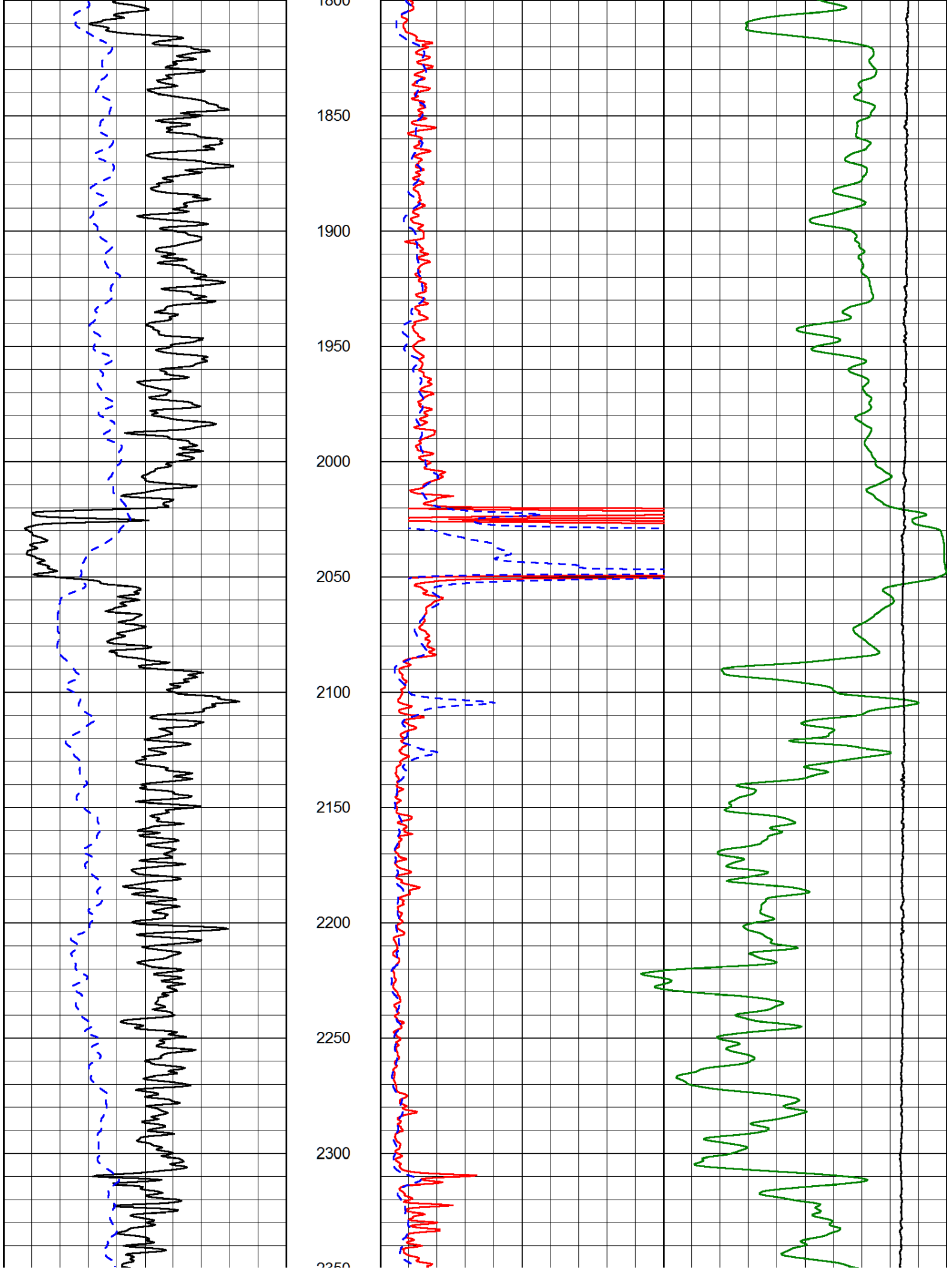
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2100
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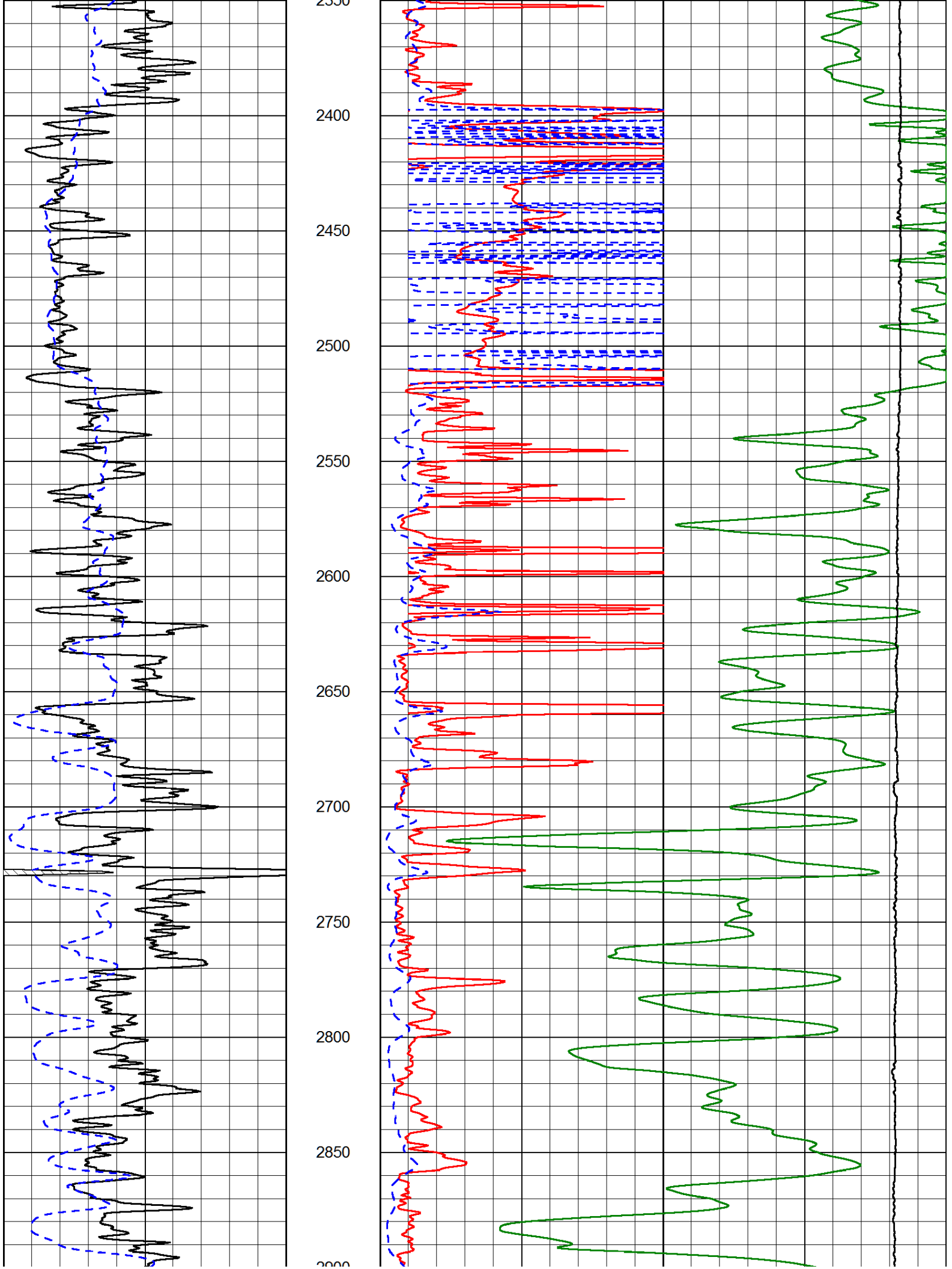
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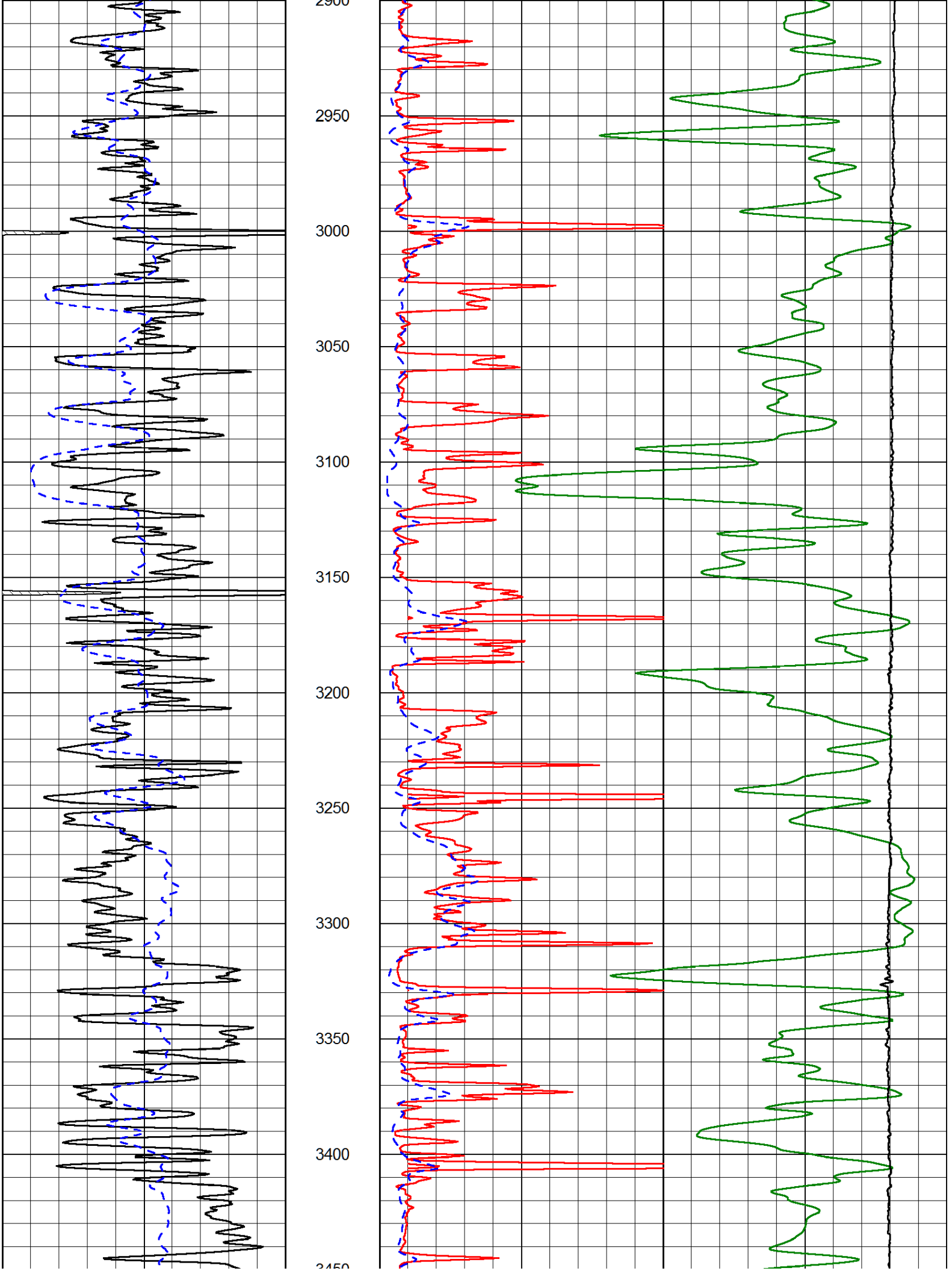
2900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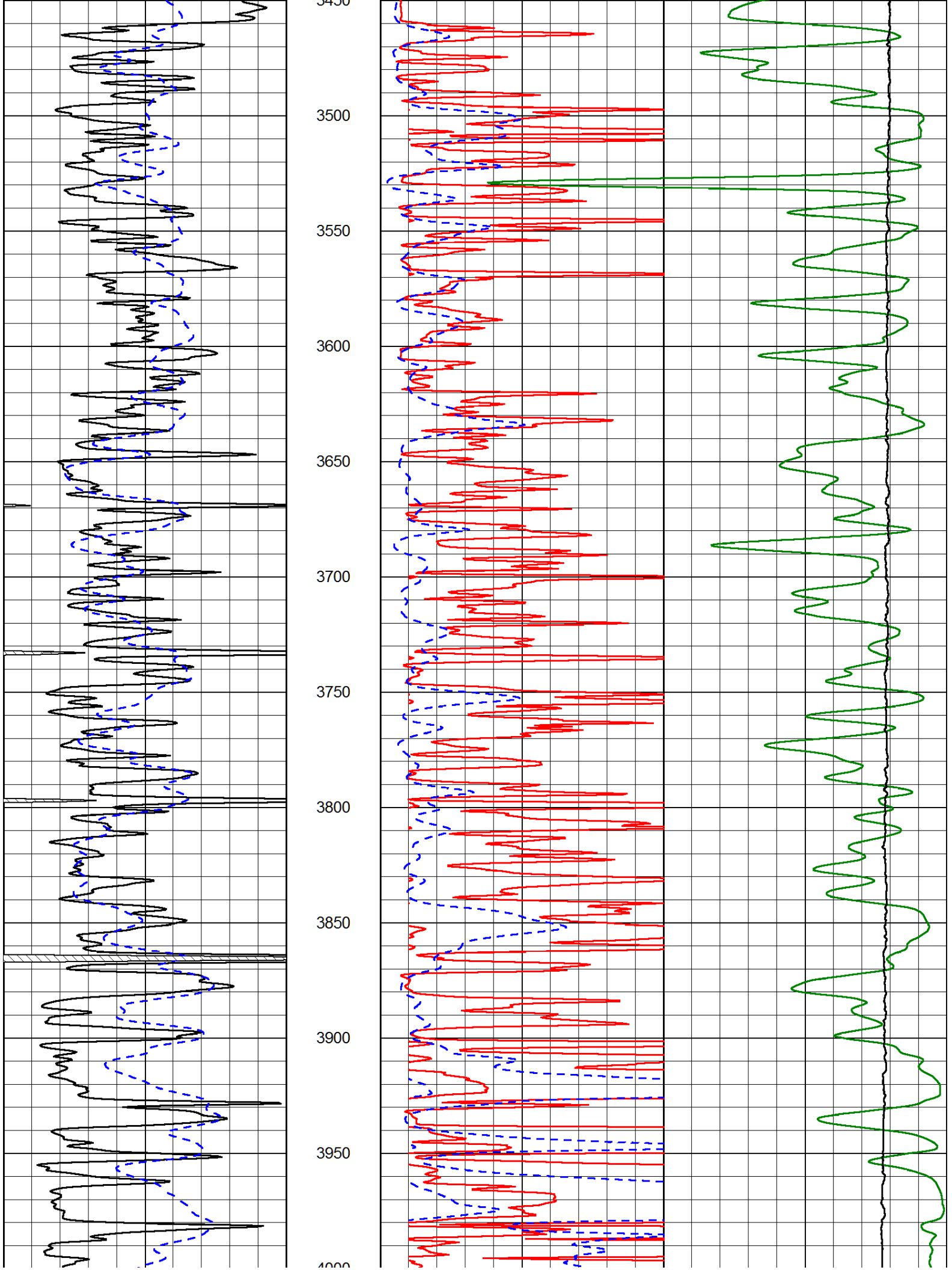
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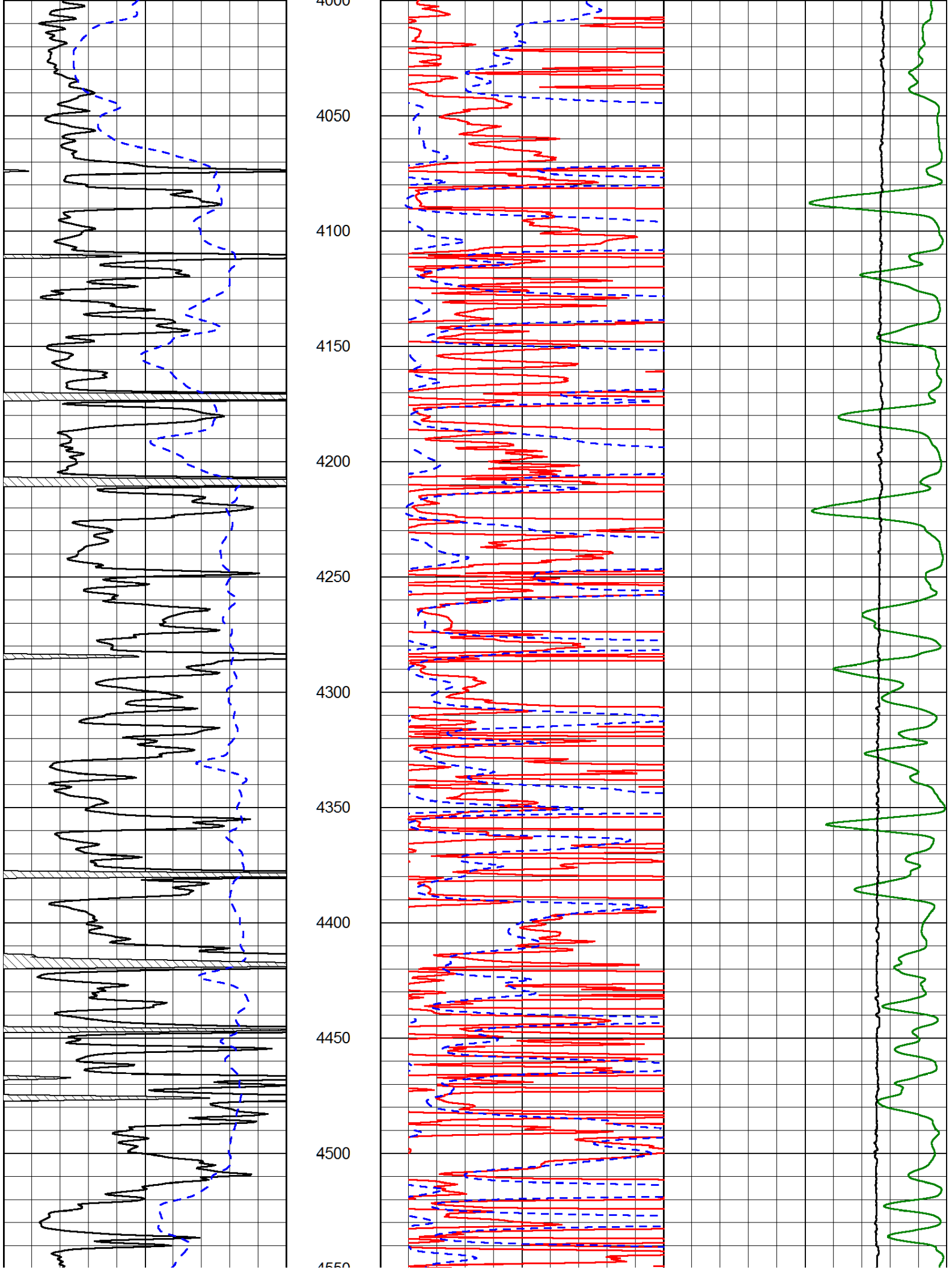
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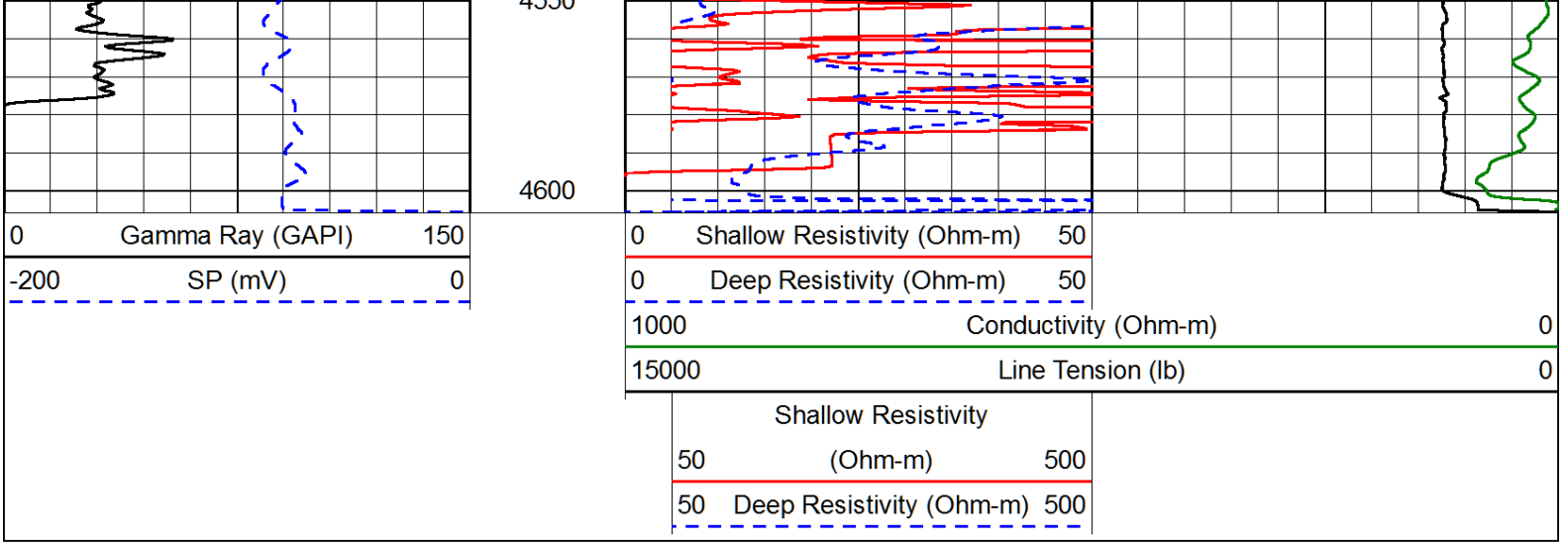
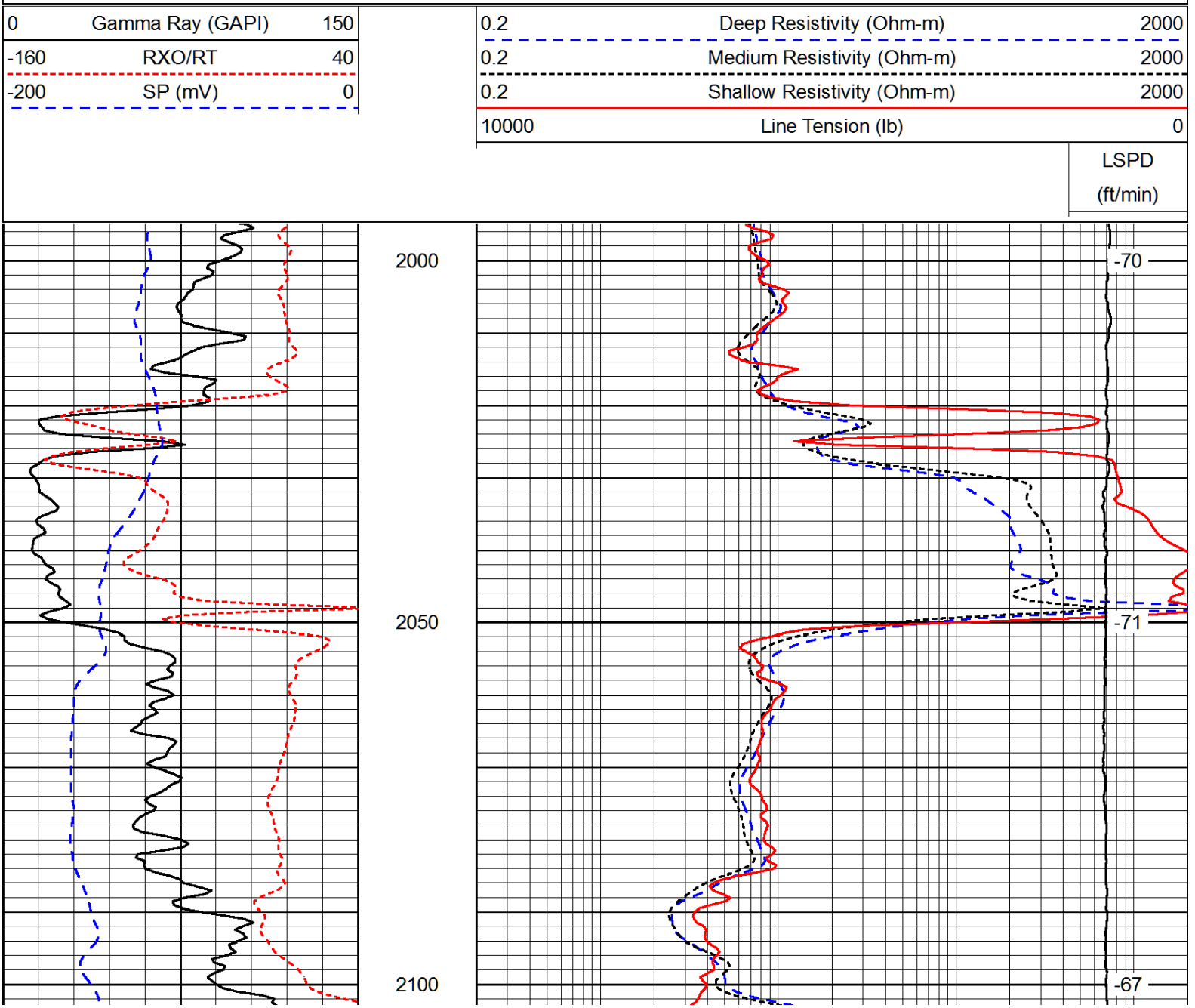


Database File: forestar_virginia_1_1hd.db
Dataset Pathname: DIL/forestk
Presentation Format: dil
Dataset Creation: Tue Mar 25 08:57:48 2014
Charted by: Depth in Feet scaled 1:240



0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
	LSPD (ft/min)	

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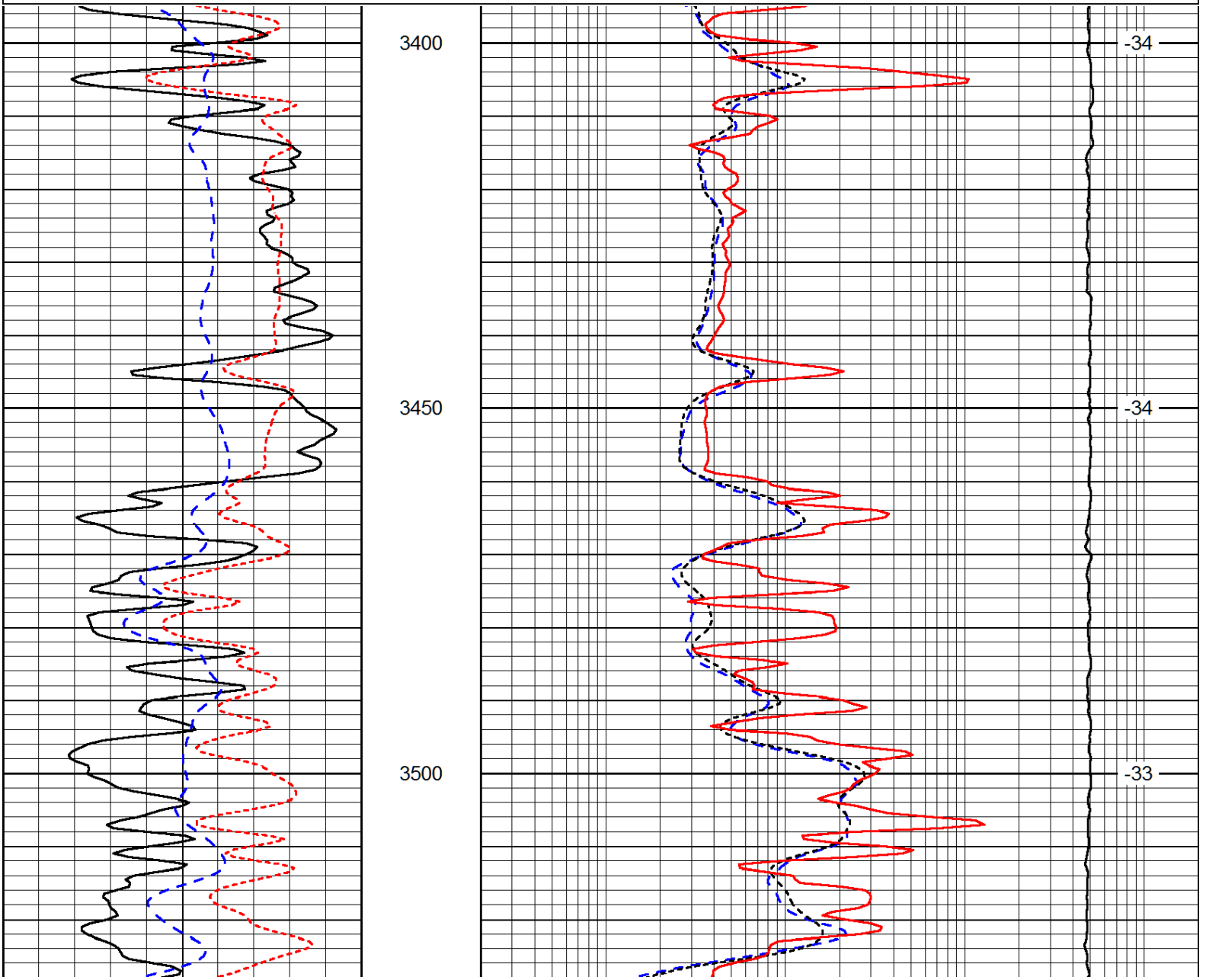

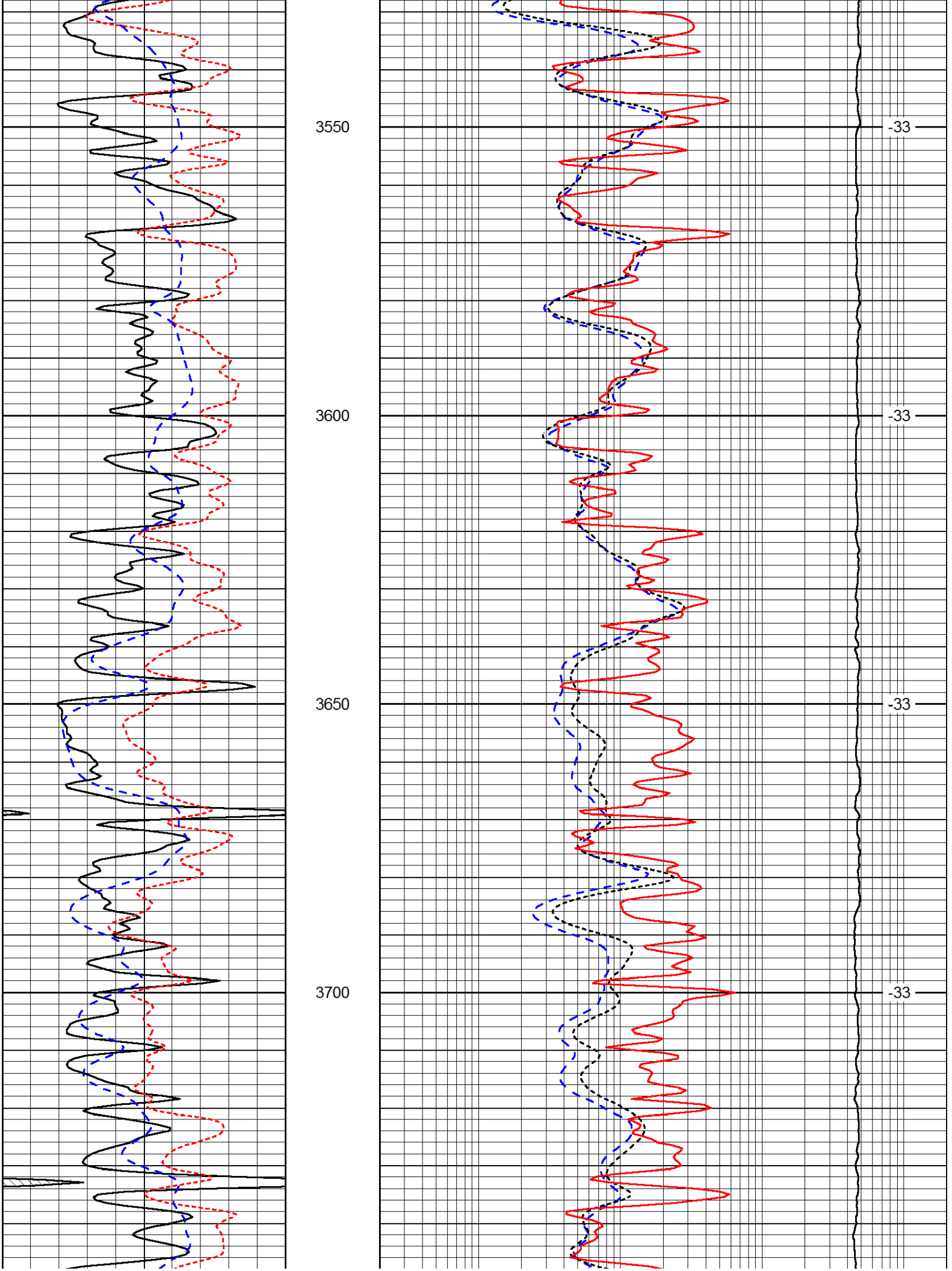
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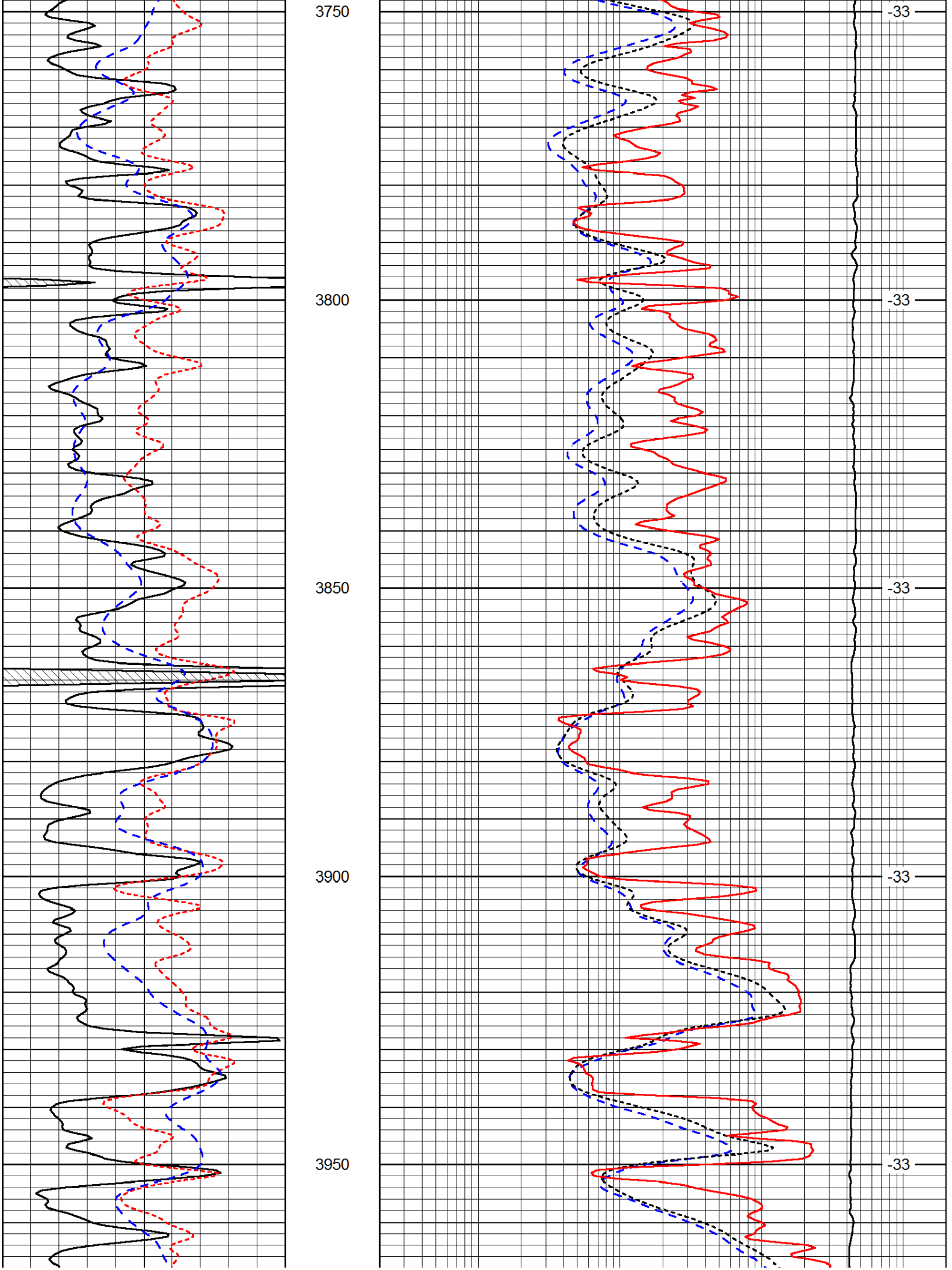
-33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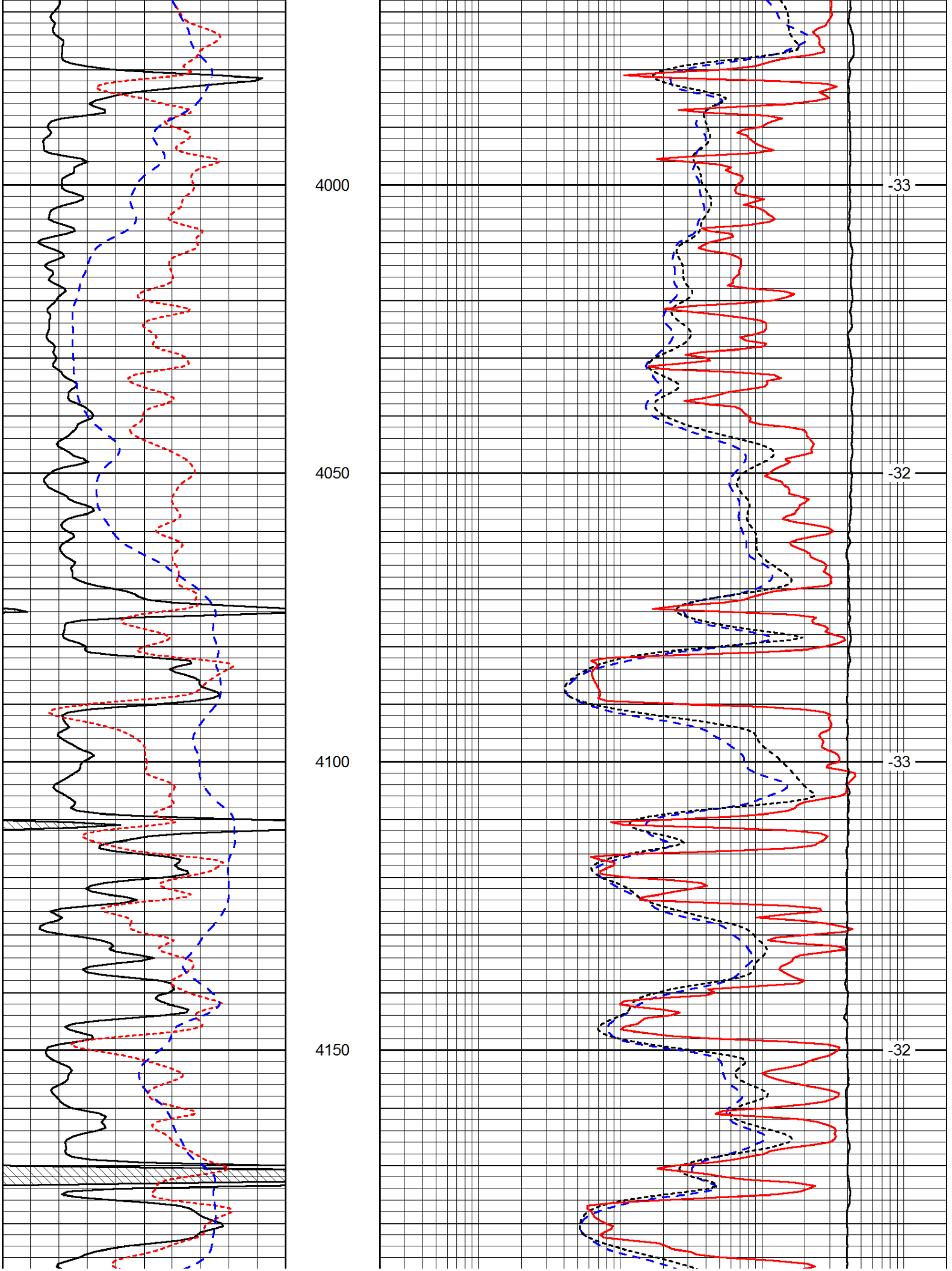
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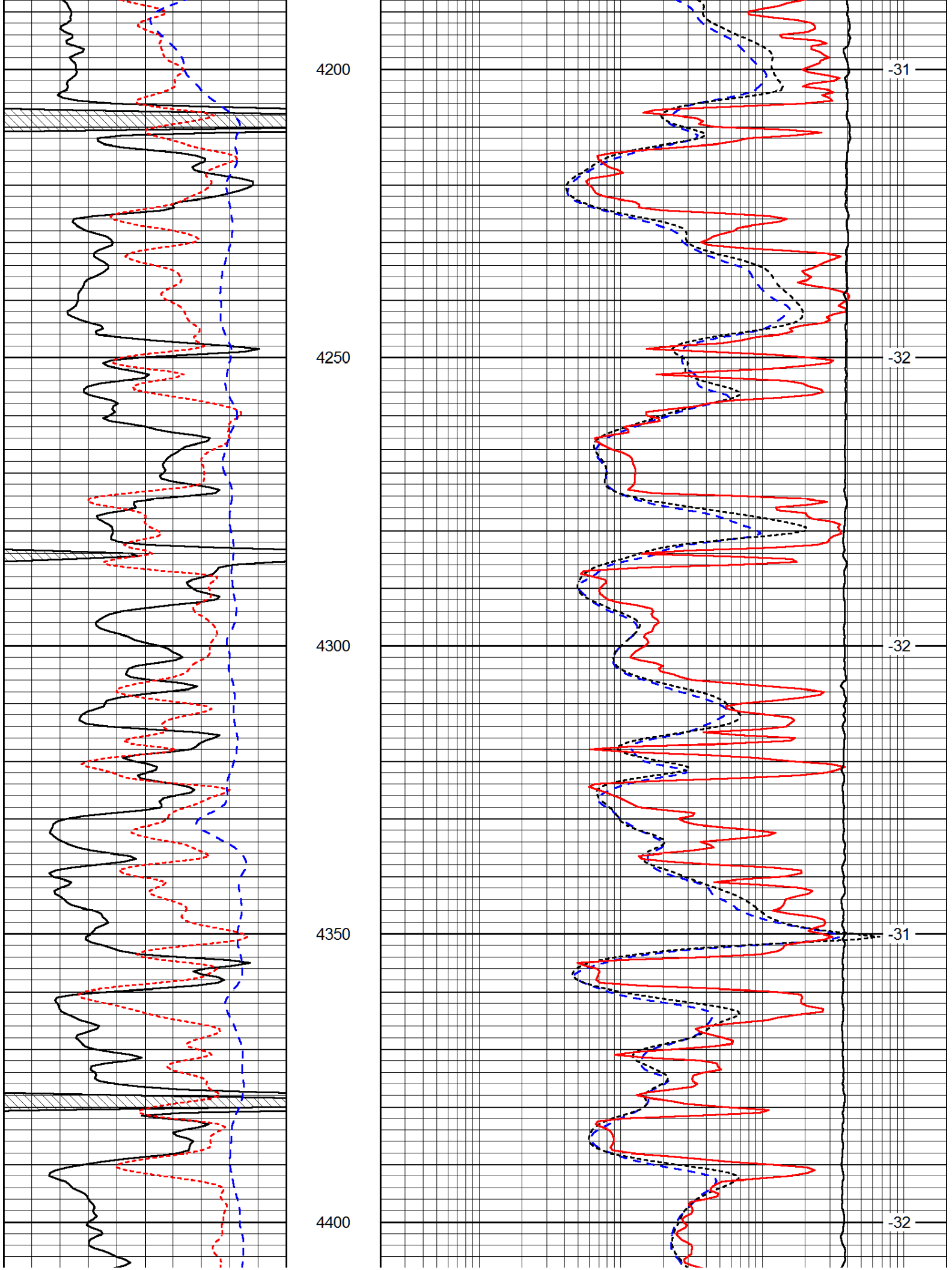
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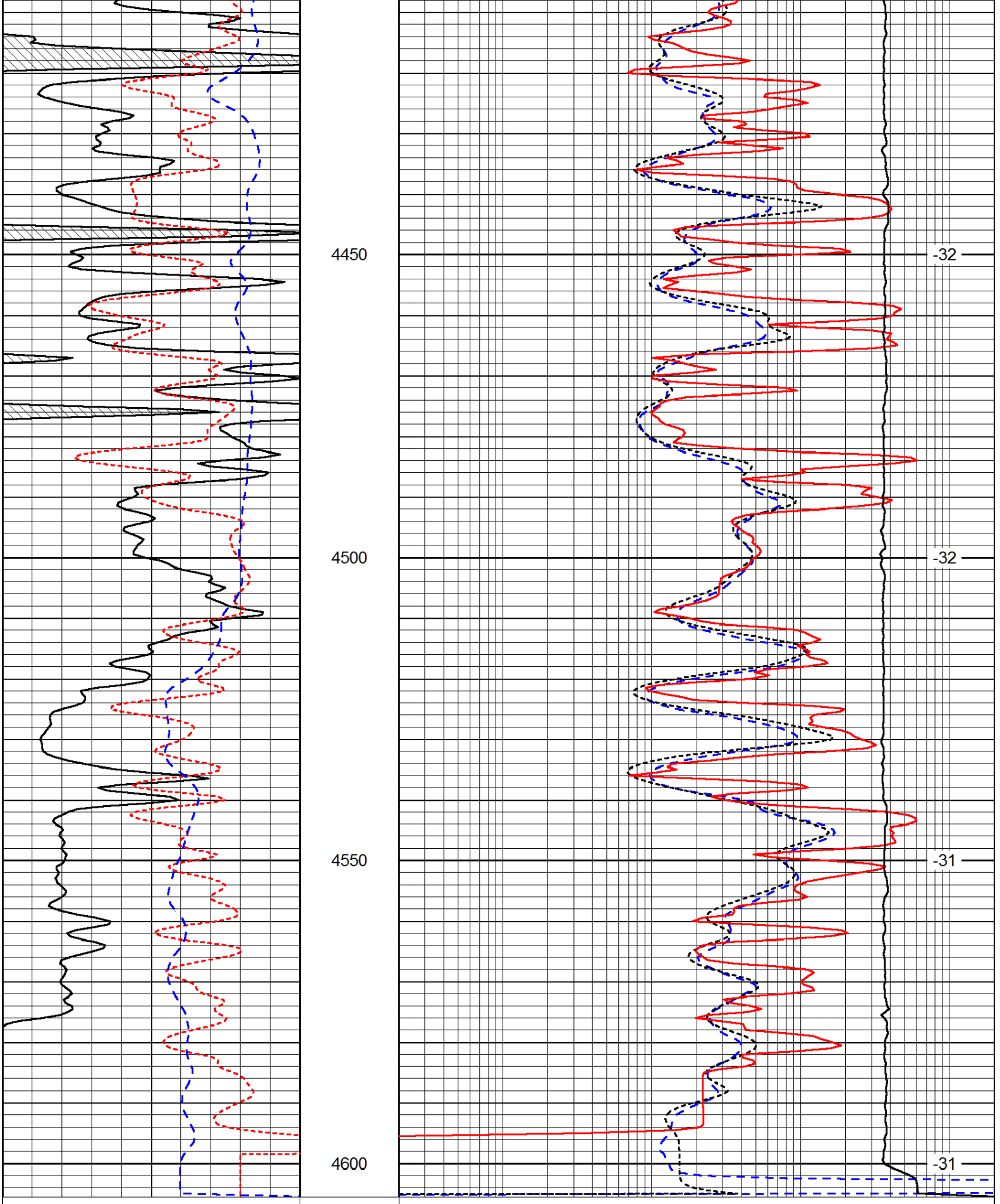

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LSPD

(ft/min)