



Pioneer Energy Services

Dual Induction Log

API No.	15-101-22,404-00-00	
Company	Forestar Petroleum Corporation	
Well	K. Clark No. 1-15	
Field	Cleve	
County	Lane	State
		Kansas
Location	SW NE SW NW 1700' FNL & 850' FWL	
Sec:	15	Twp: 19 S Rge: 29 W
Permanent Datum	Ground Level	Elevation 2827
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 2838 D.F. G.L. 2827

Date	10/25/2012
Run Number	One
Depth Driller	4740
Depth Logger	4740
Bottom Logged Interval	4739
Top Log Interval	250
Casing Driller	8.625 @ 268
Casing Logger	264
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2000
Density / Viscosity	9.35 50
pH / Fluid Loss	10.0 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	1.25 @ 70
Rmf @ Meas. Temp	.94 @ 70
Rmc @ Meas. Temp	1.69 @ 70
Source of Rmf / Rmc	Charts
Rm @ BHT	.71 @ 123
Operating Rig Time	4 Hours
Max Rec. Temp. F	123
Equipment Number	15
Location	Hays
Recorded By	D.Kerr
Witnessed By	Charlie Sturdavant

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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

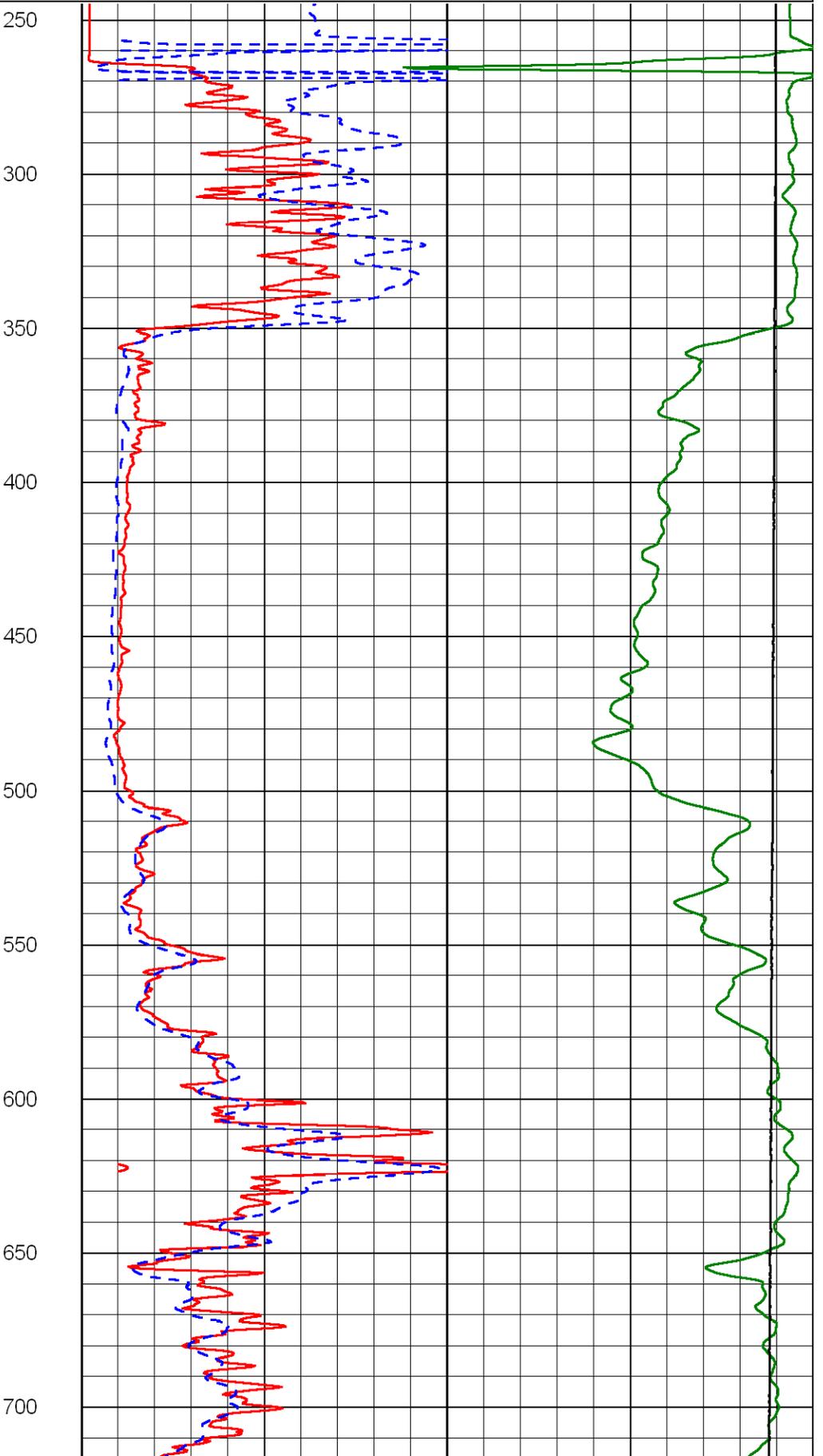
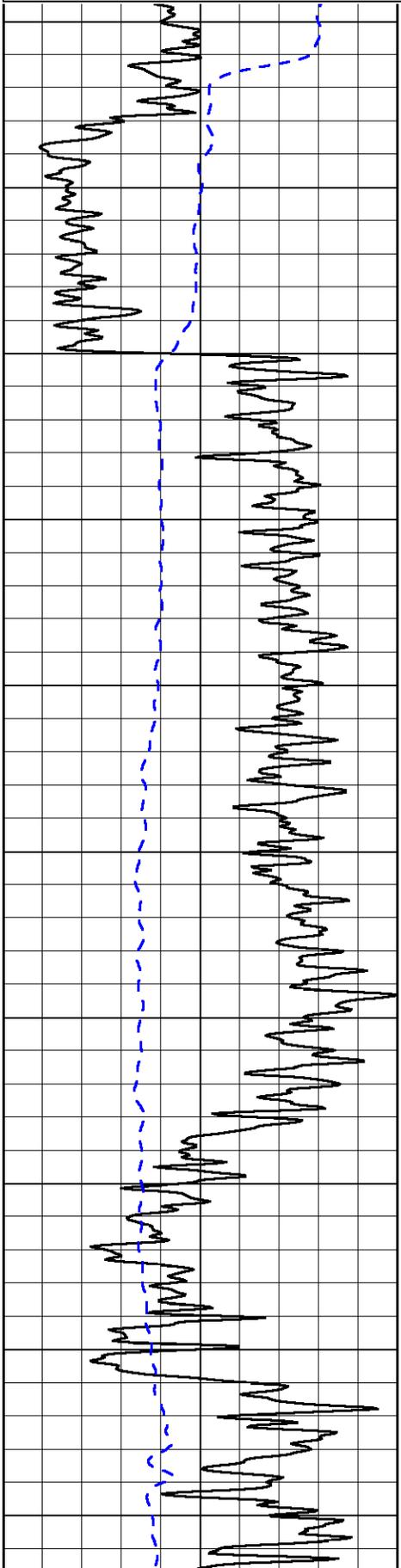
Thank you for using Log-Tech, Inc.
 (785) 625-3858

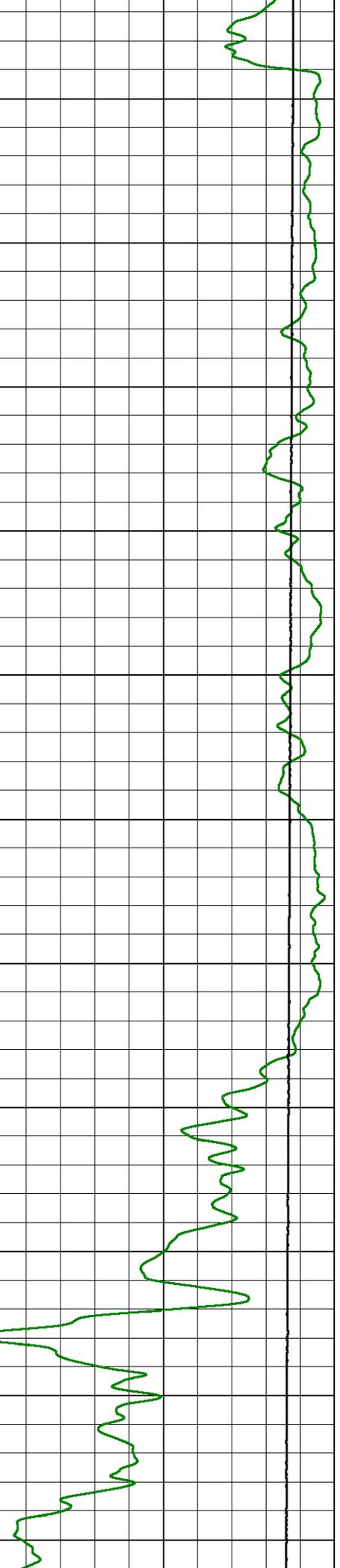
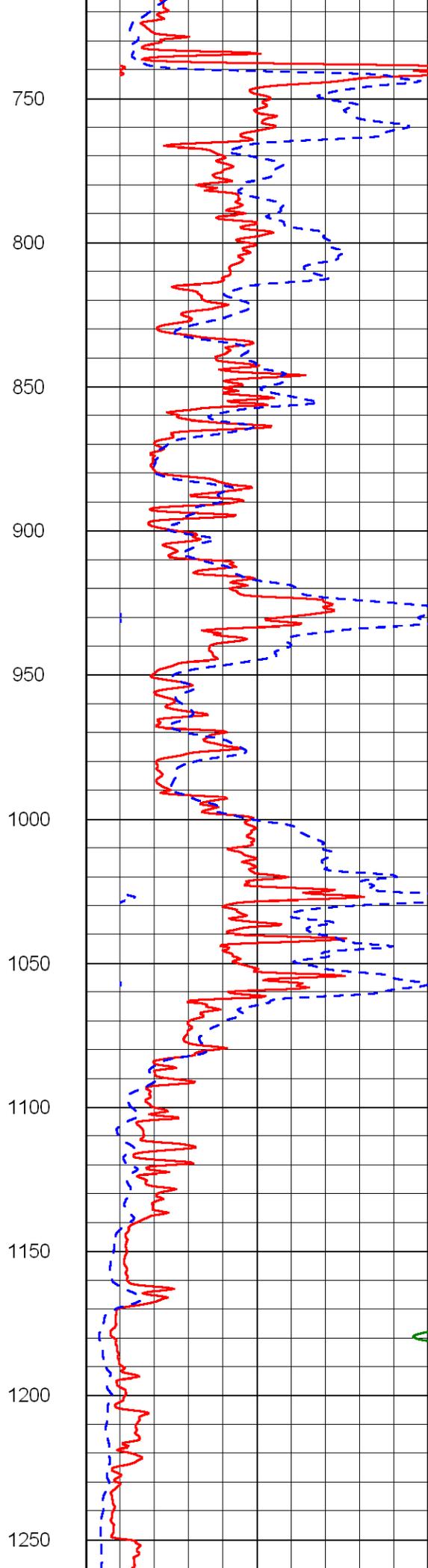
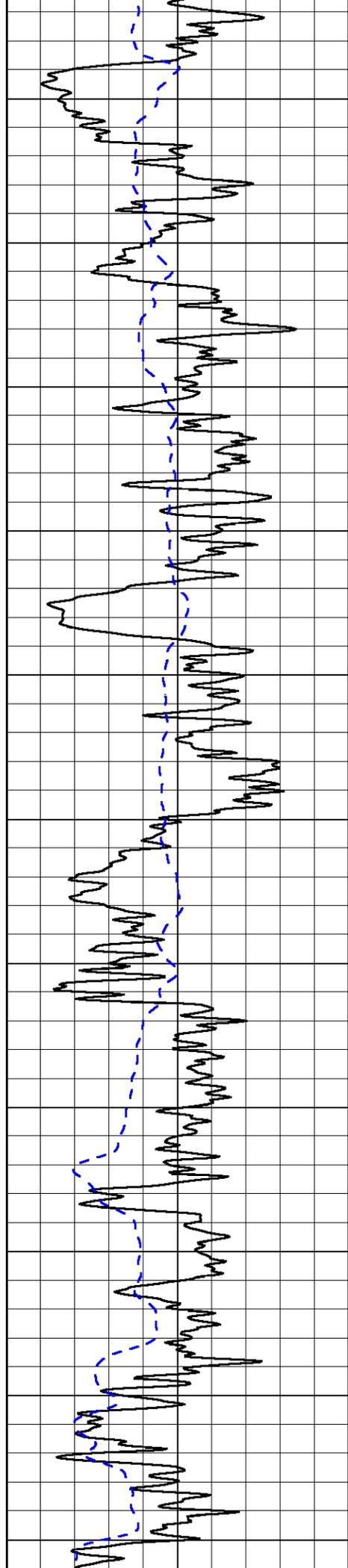
Dighton KS, 6 South,
 2 West to Ike RD, 1/2 North, East Into

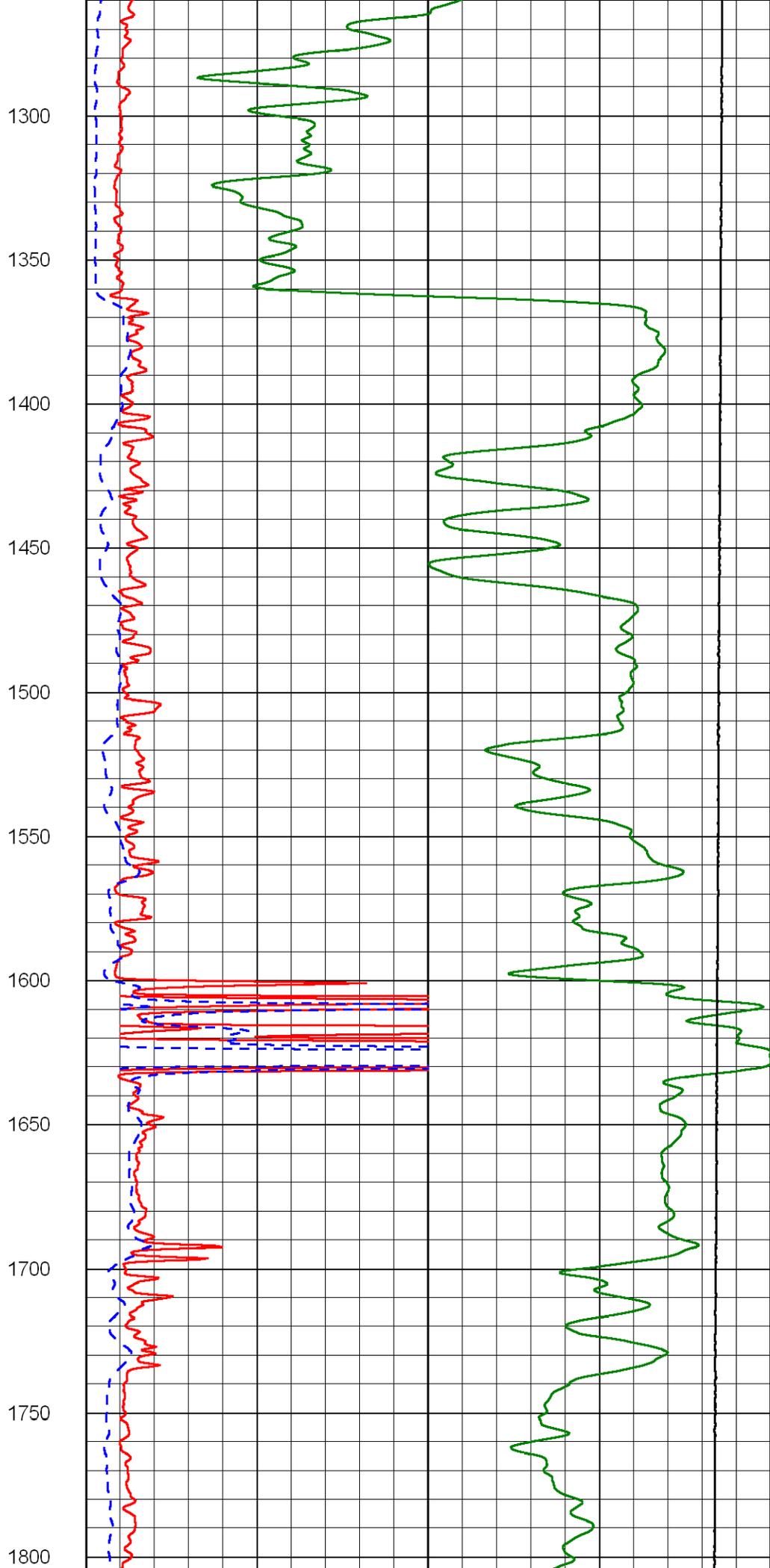
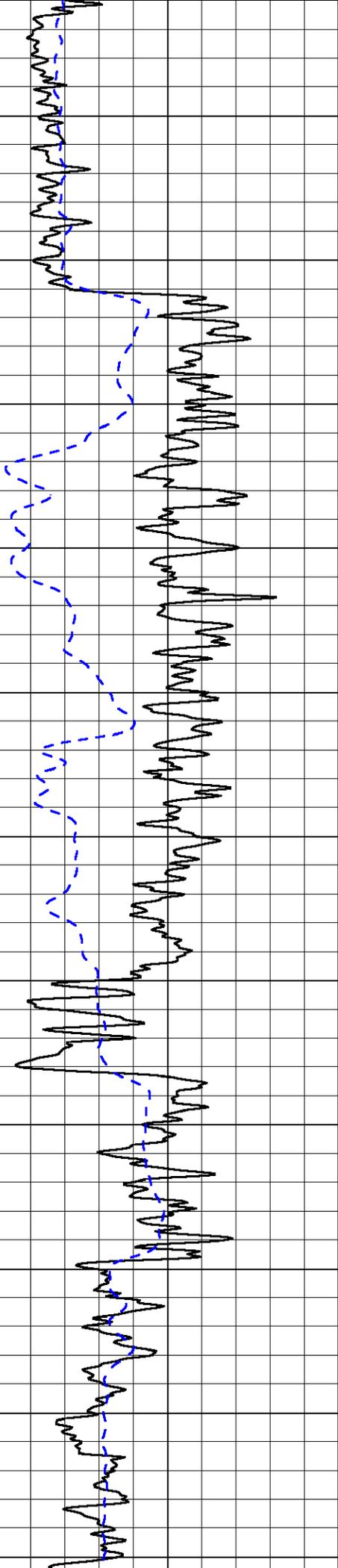
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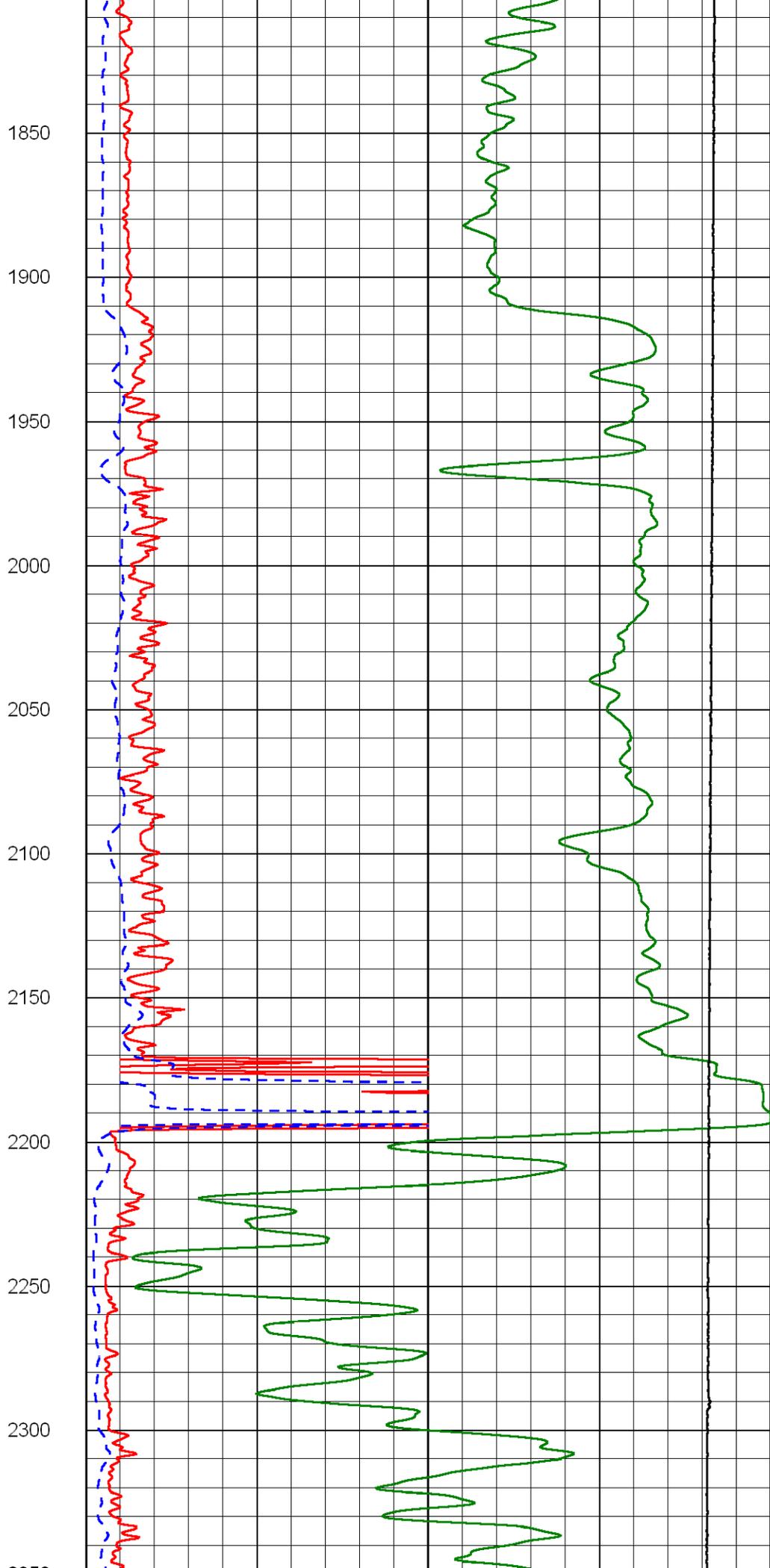
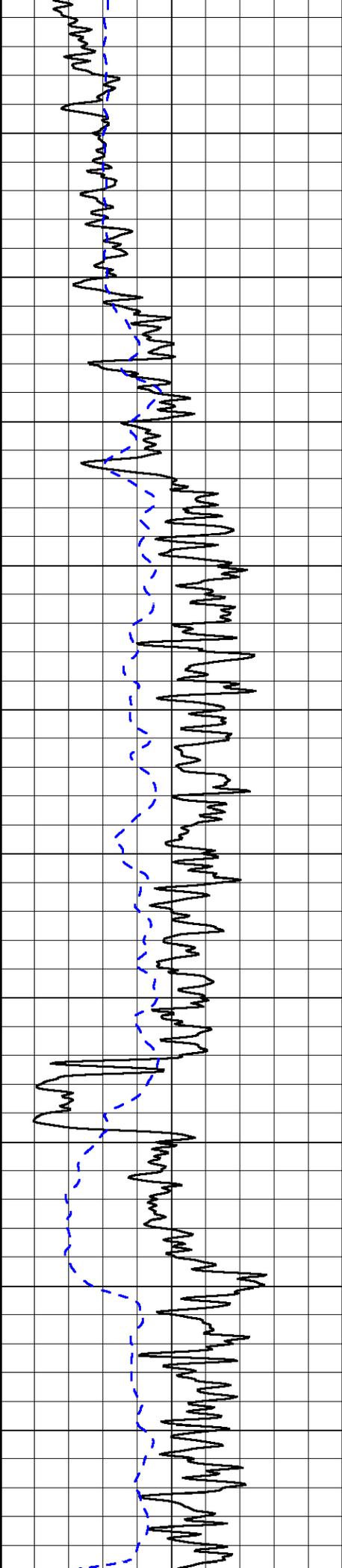
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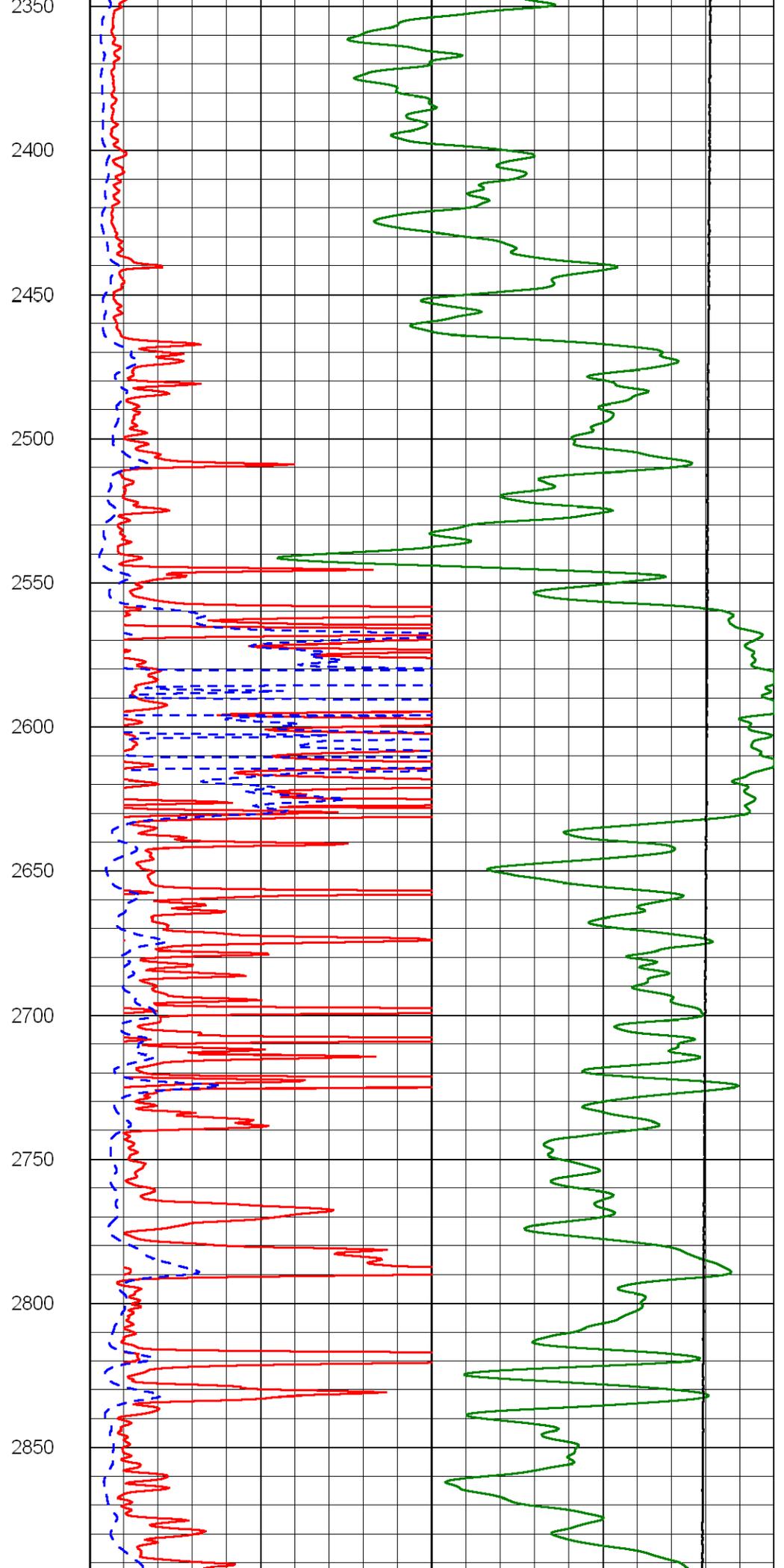
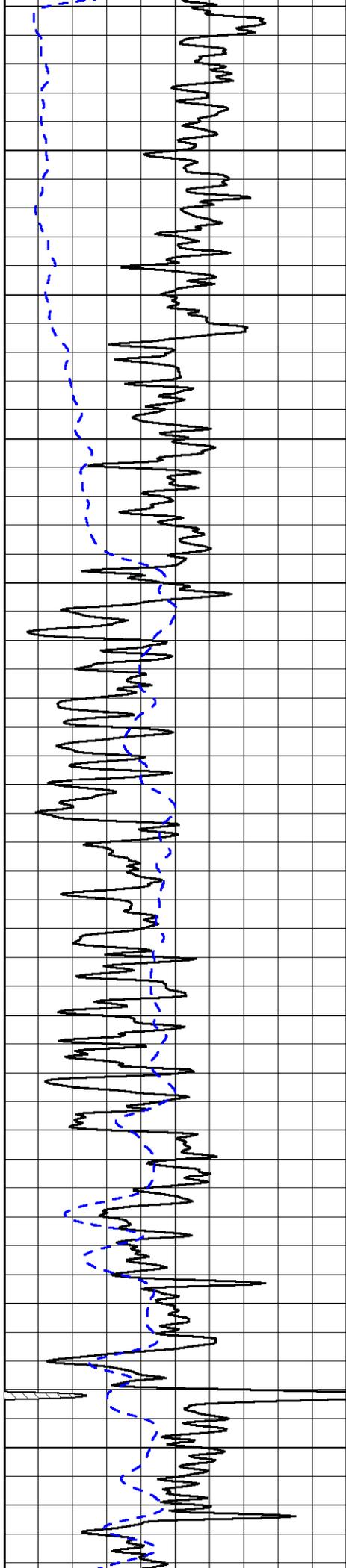
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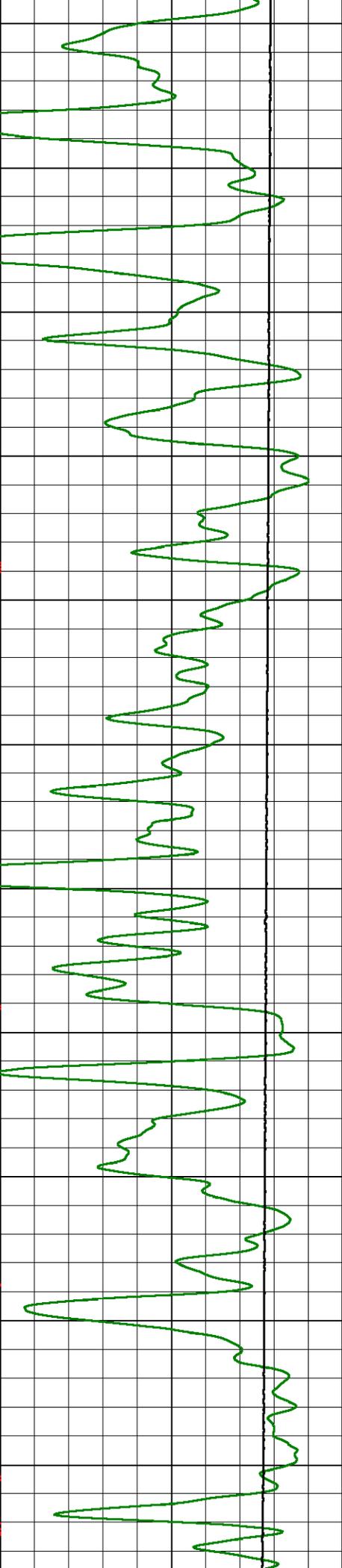
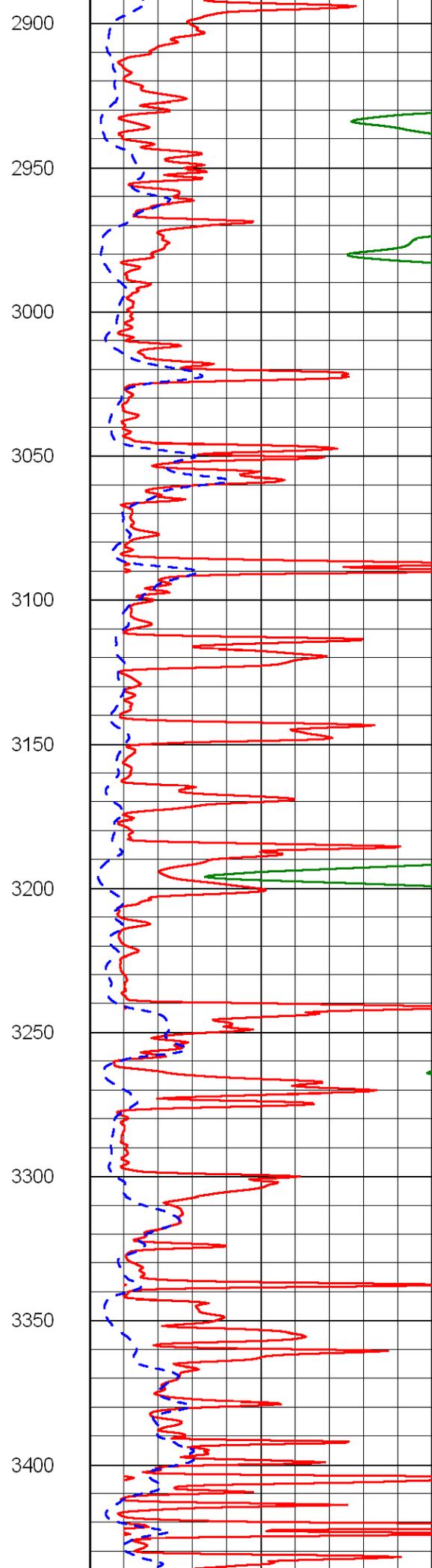
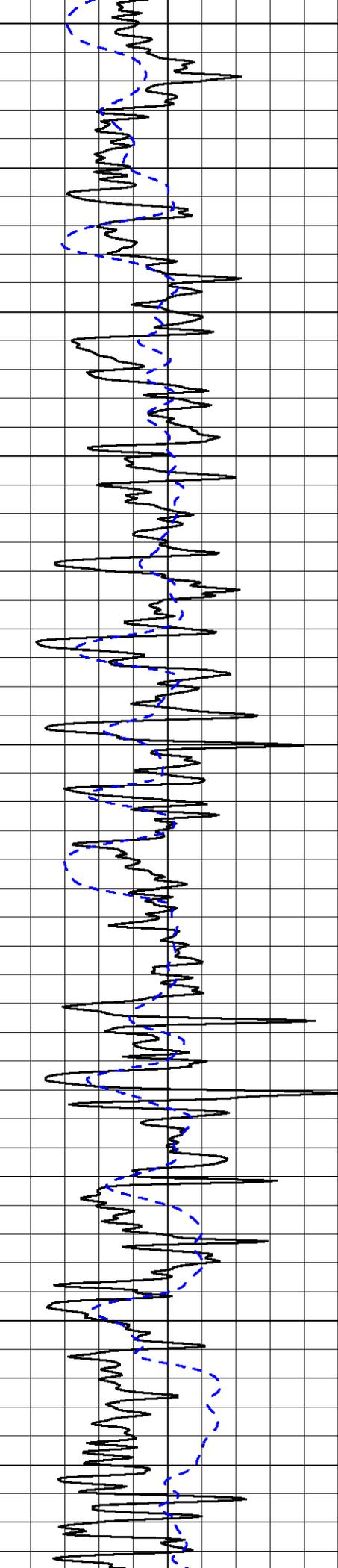


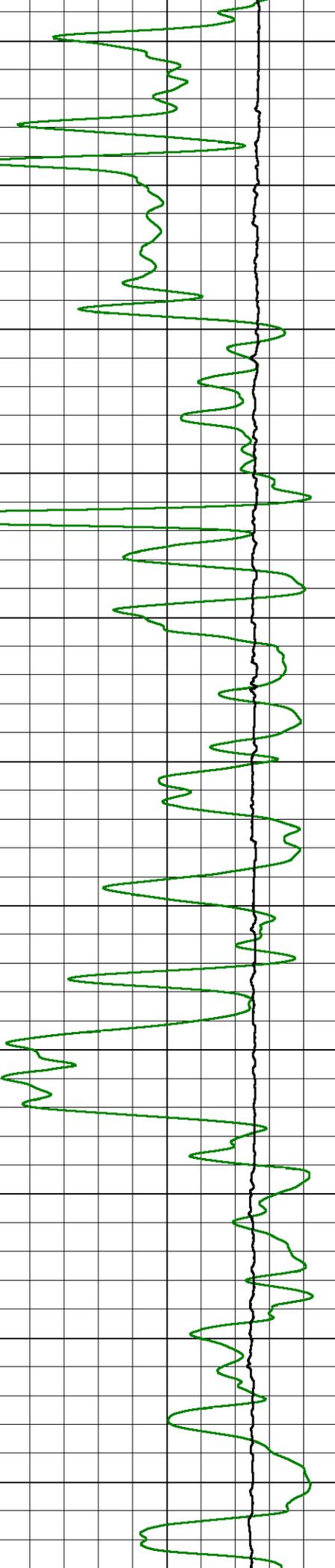
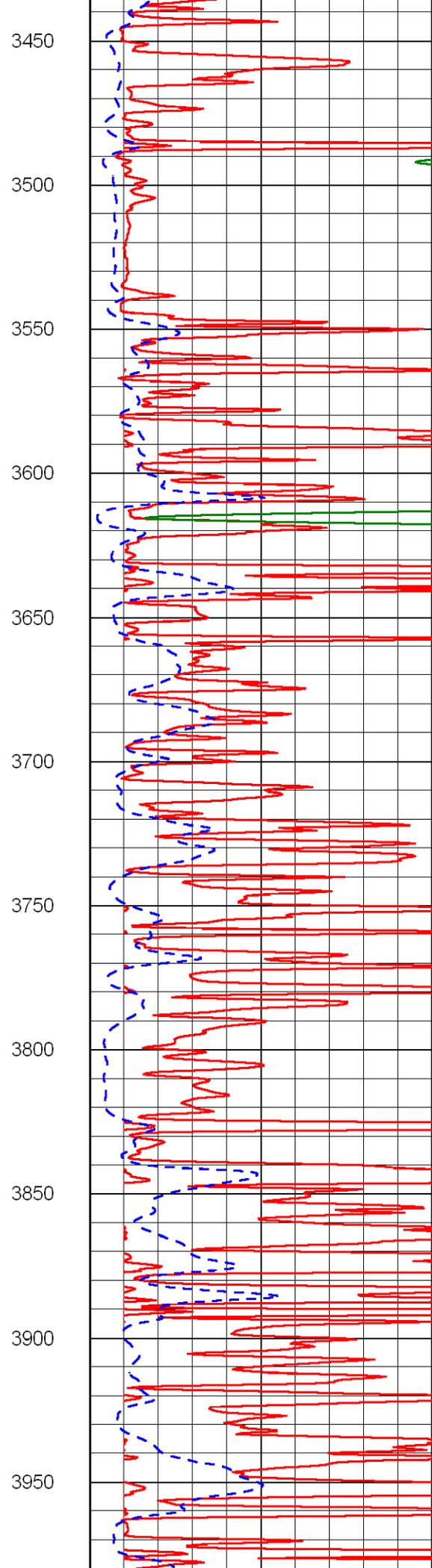
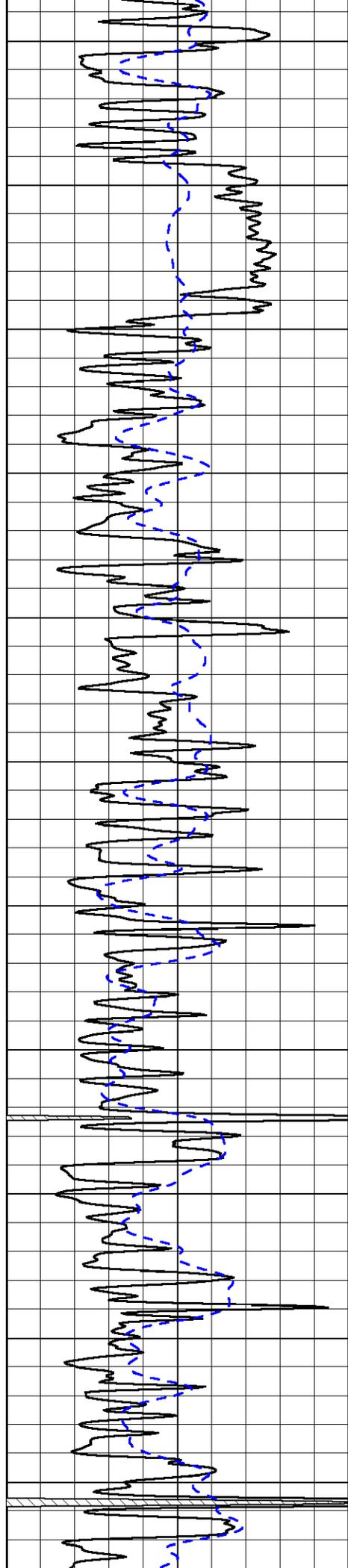


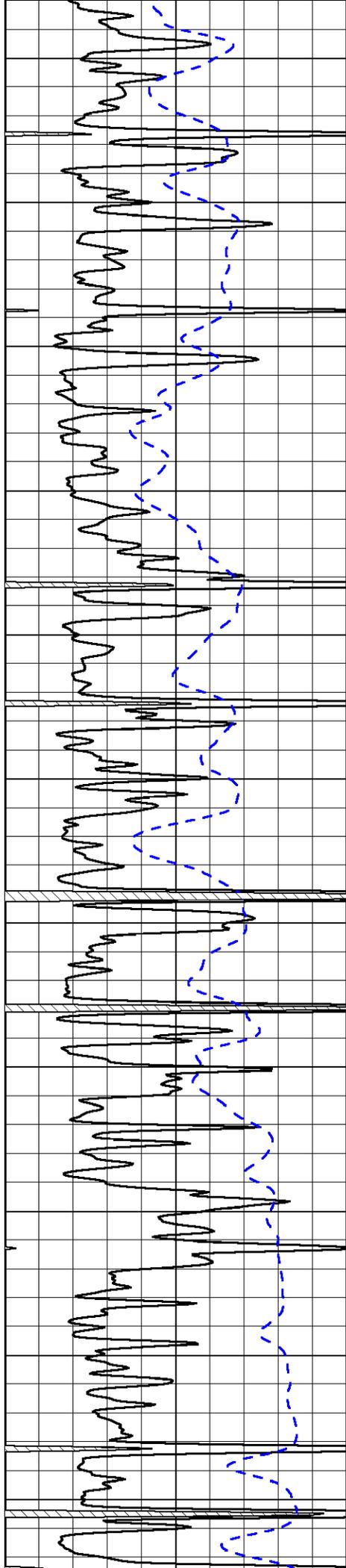












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4100

4150

4200

4250

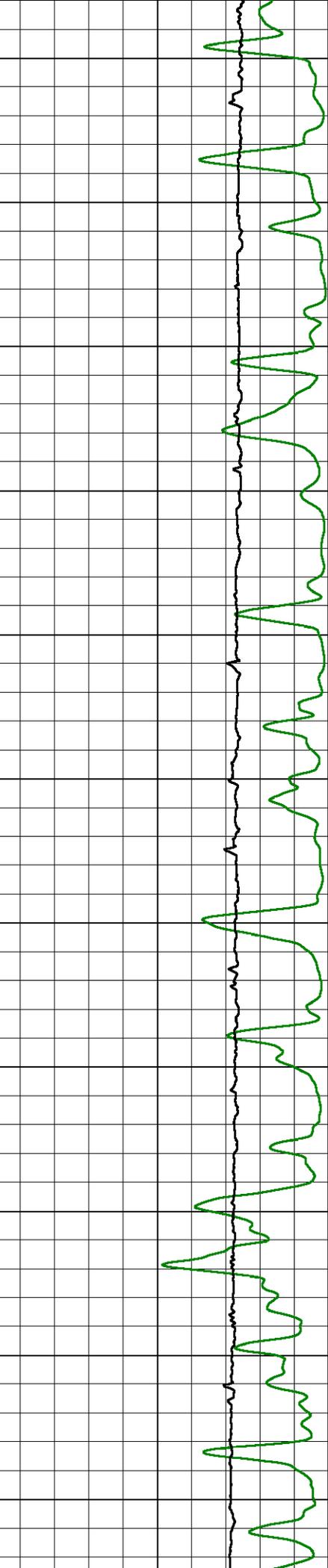
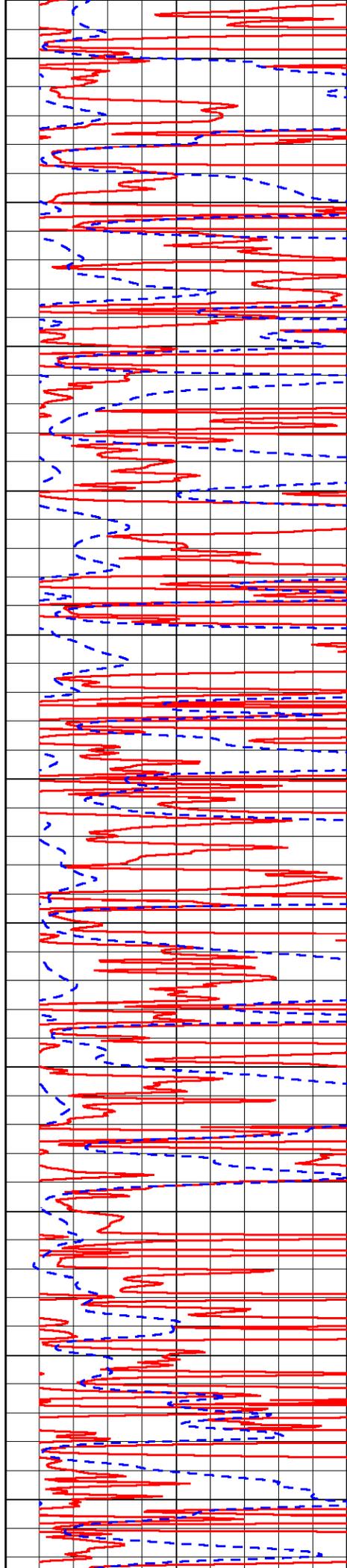
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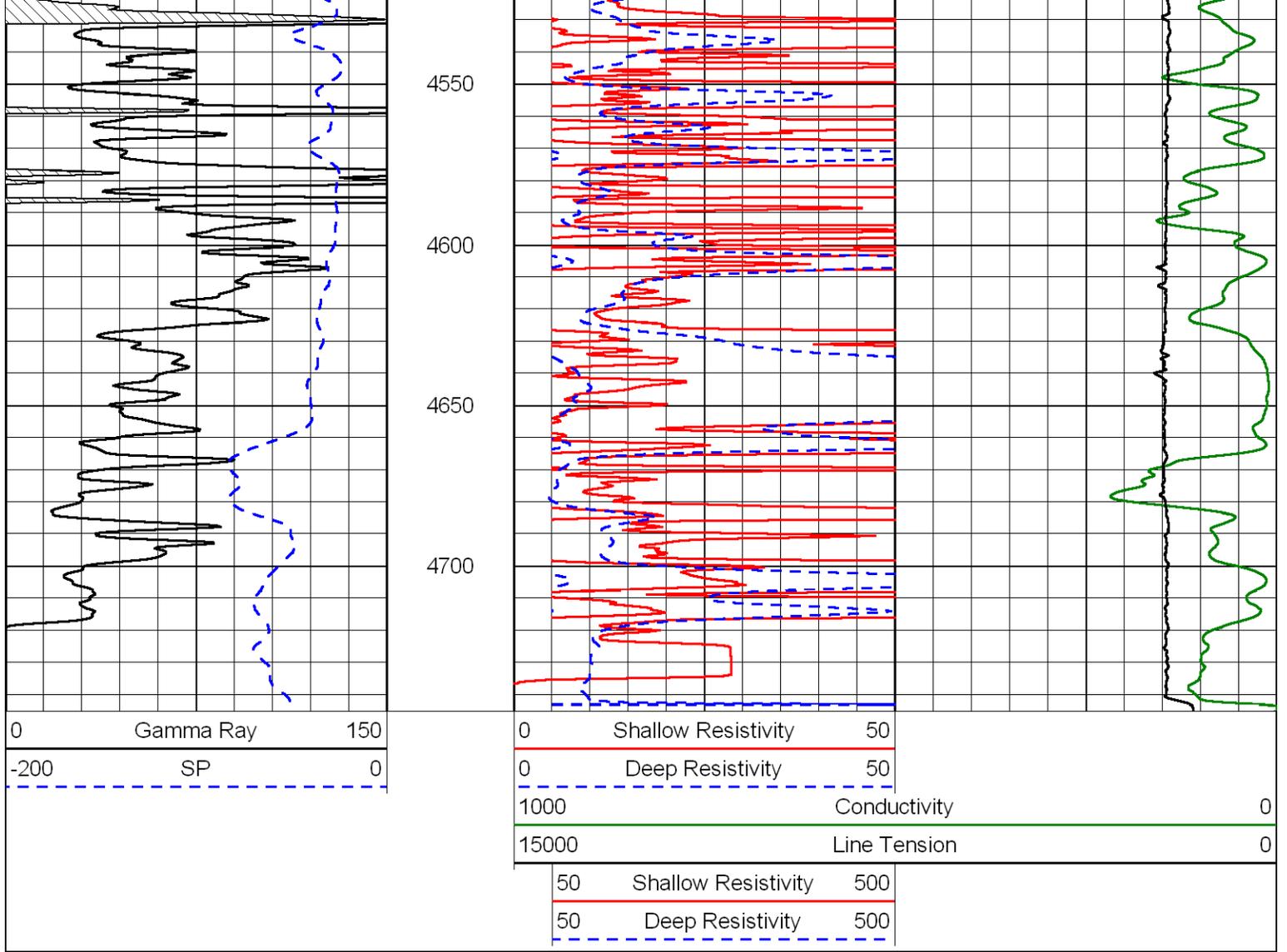
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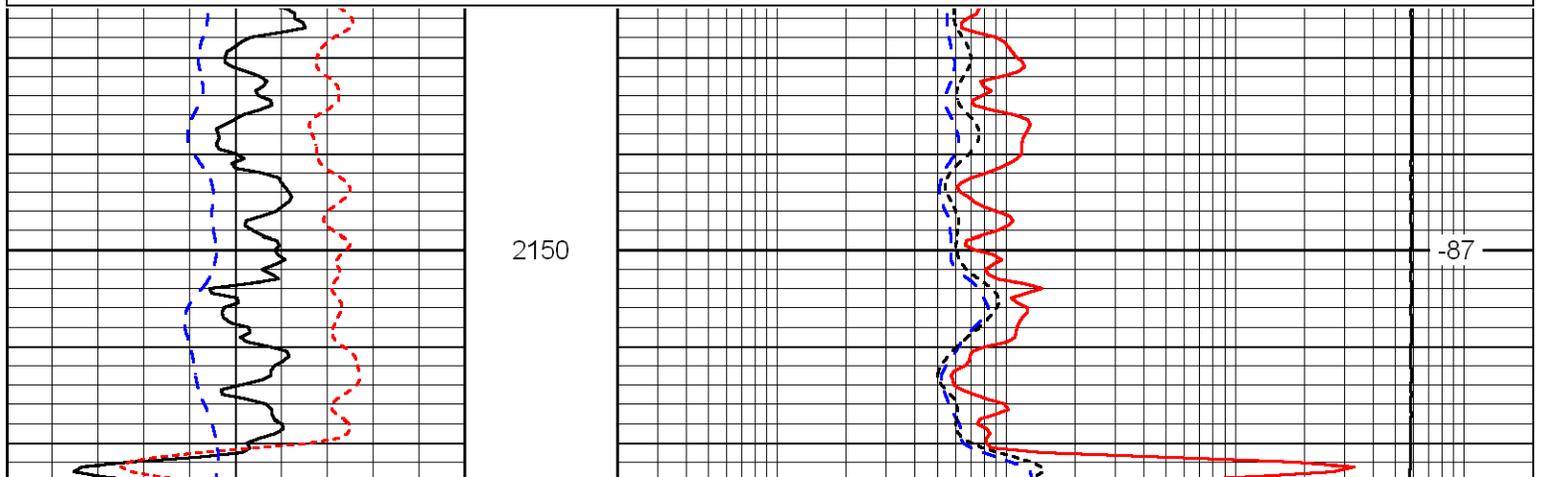
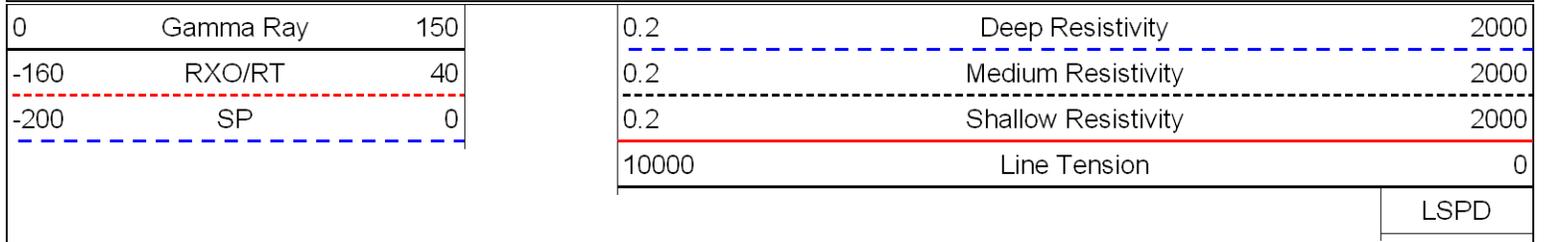
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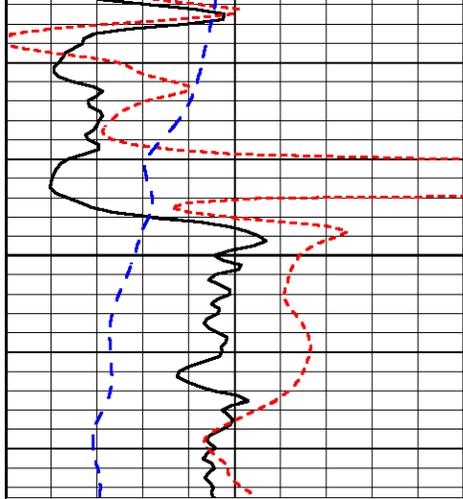
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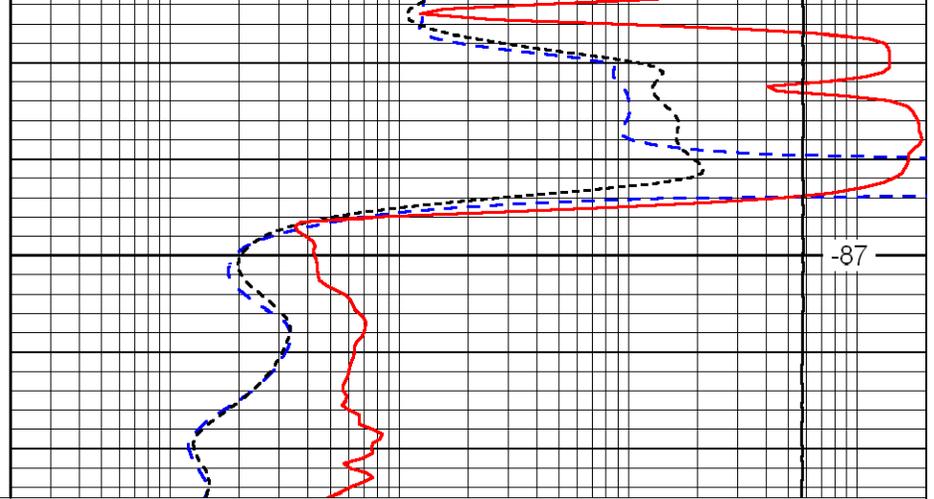
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2200

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-87

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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

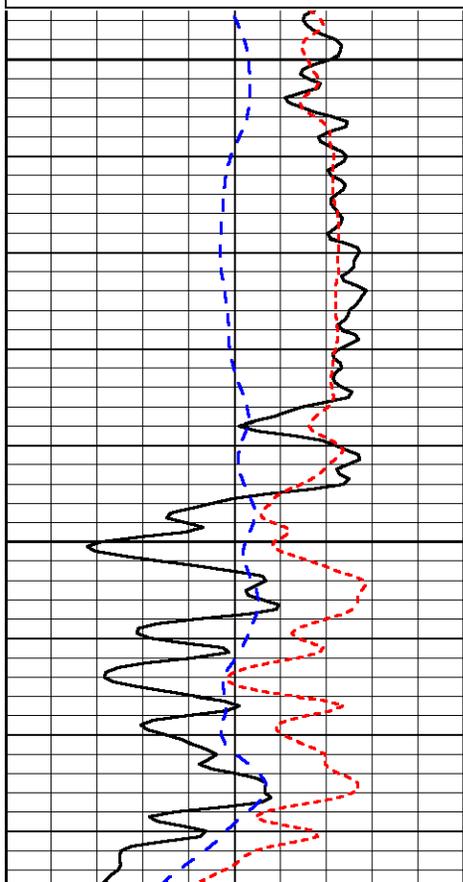
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-160	RXO/RT	40
-200	SP	0

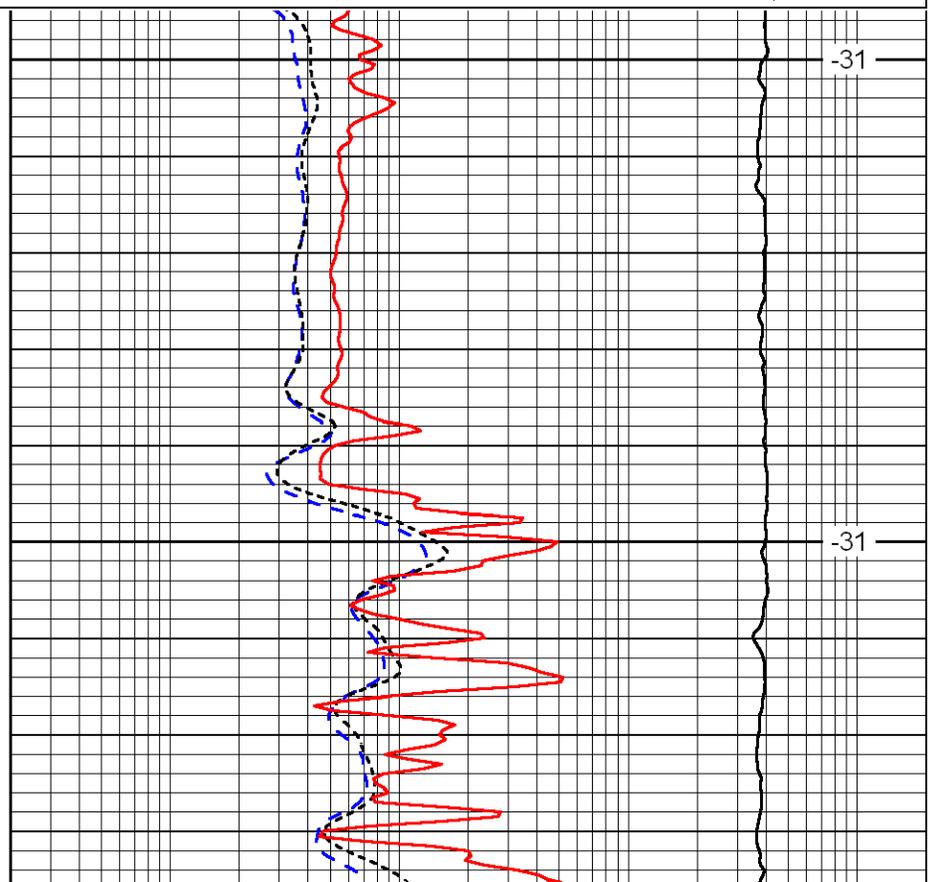
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



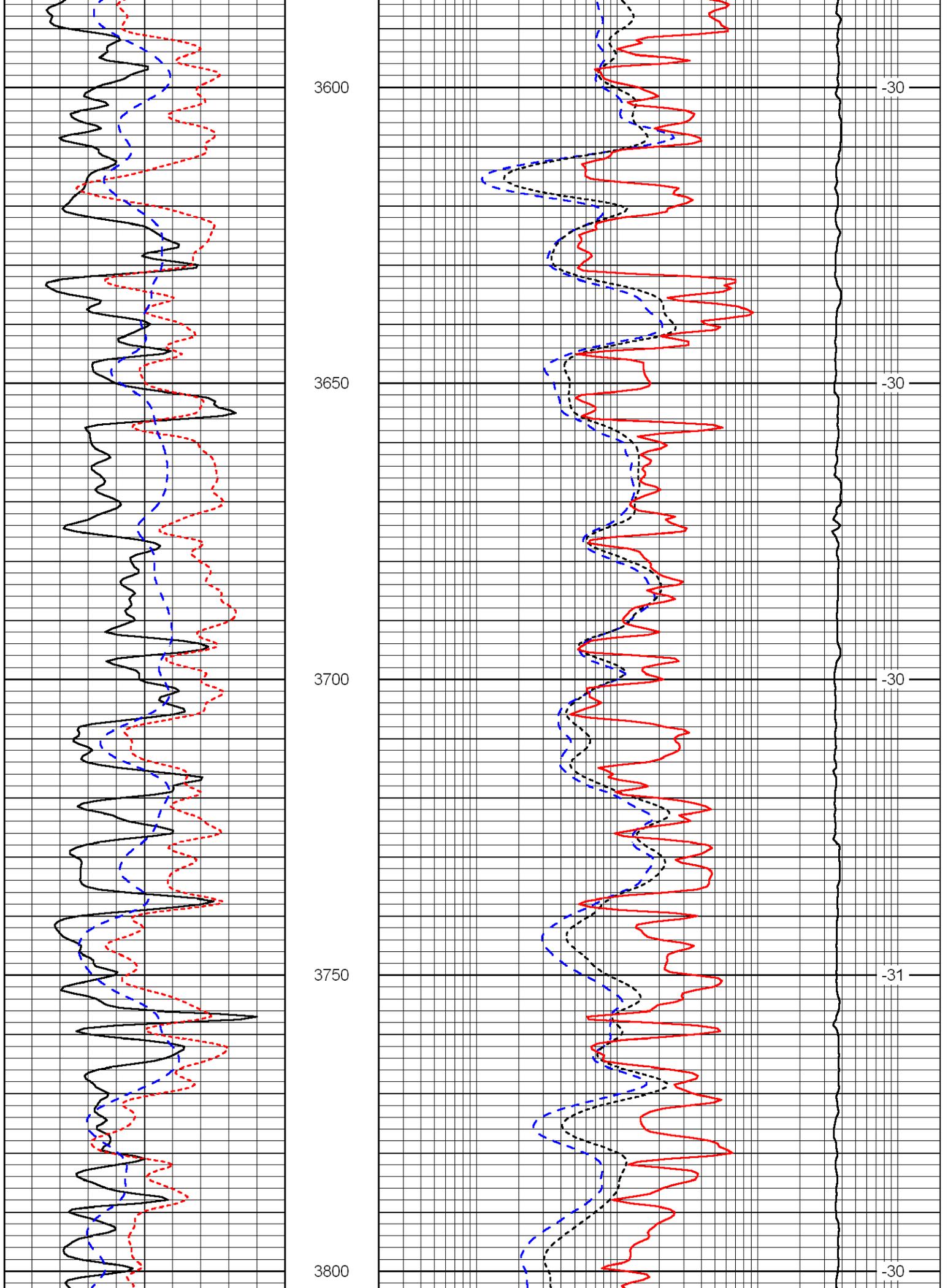
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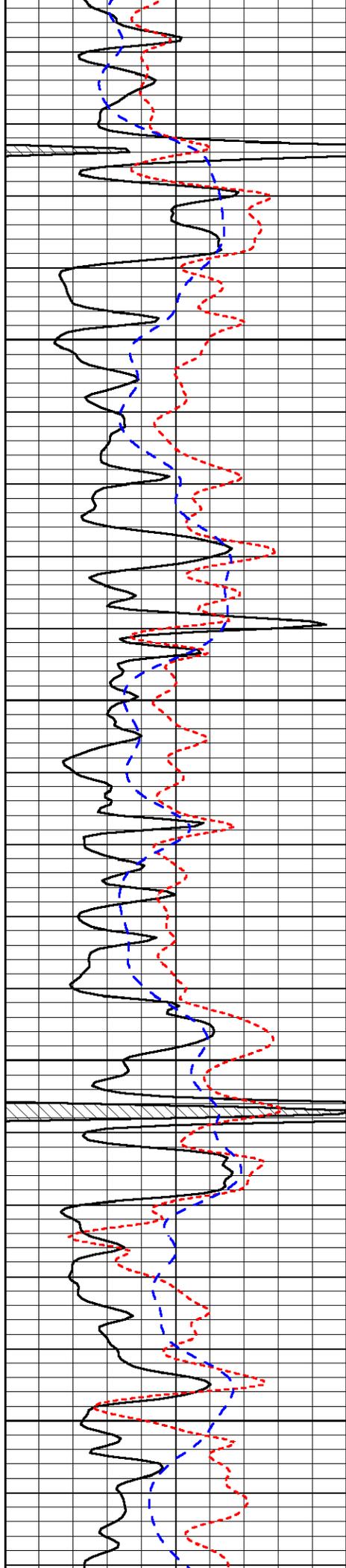
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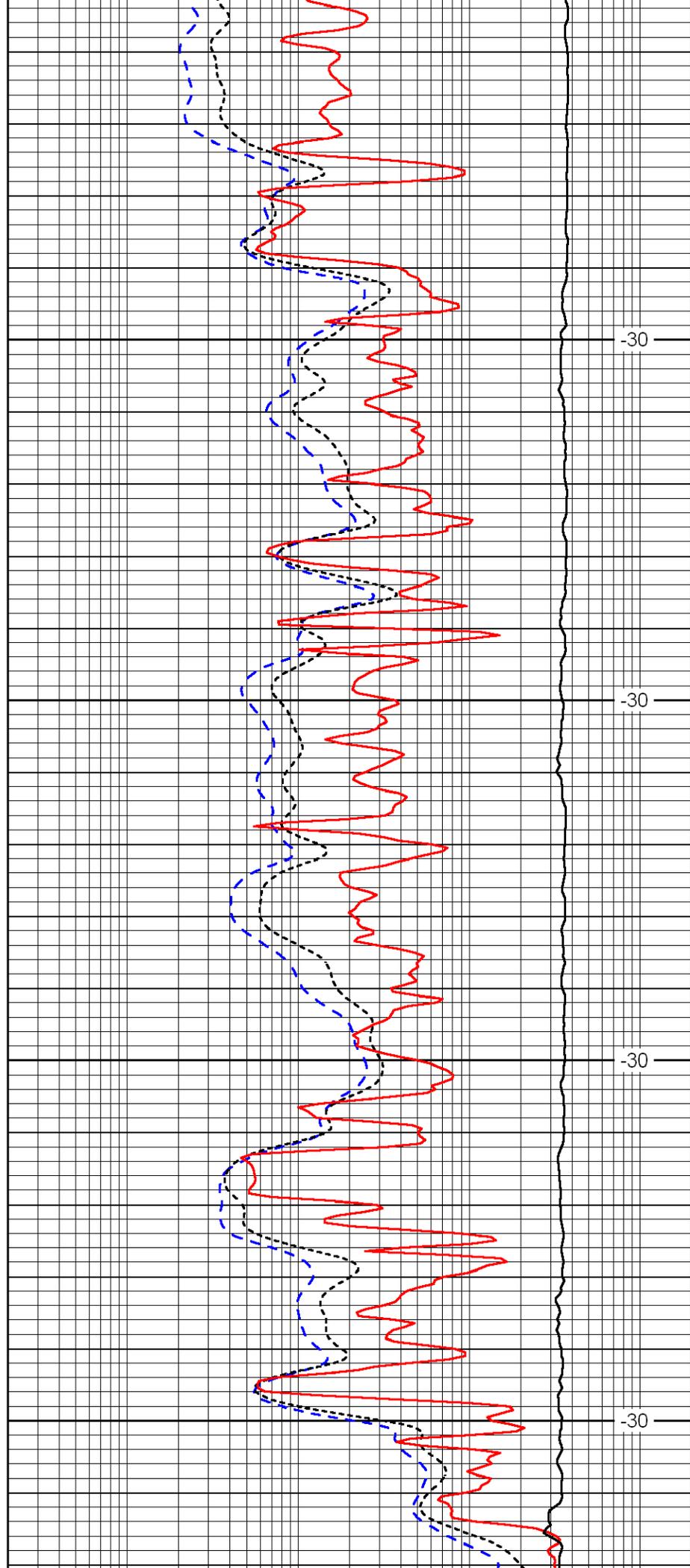


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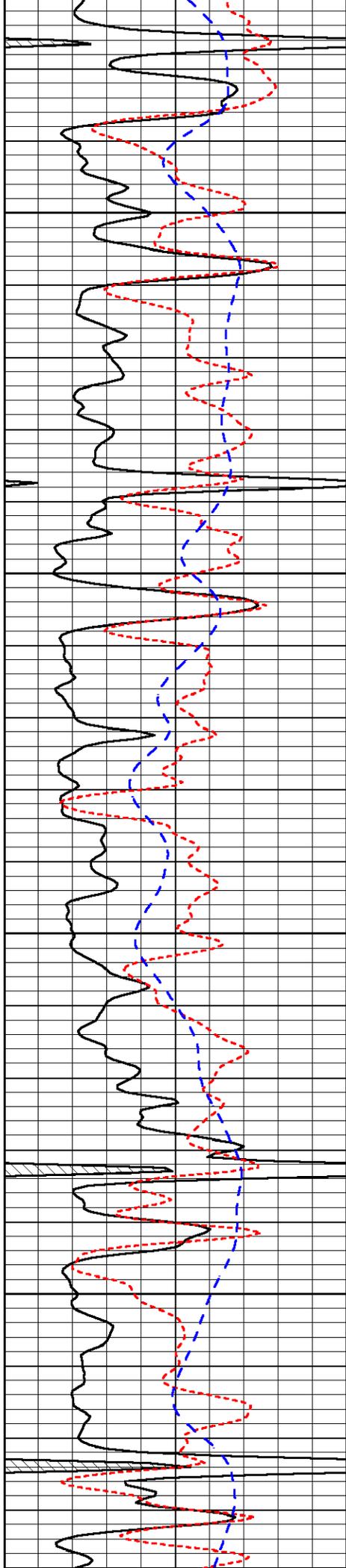


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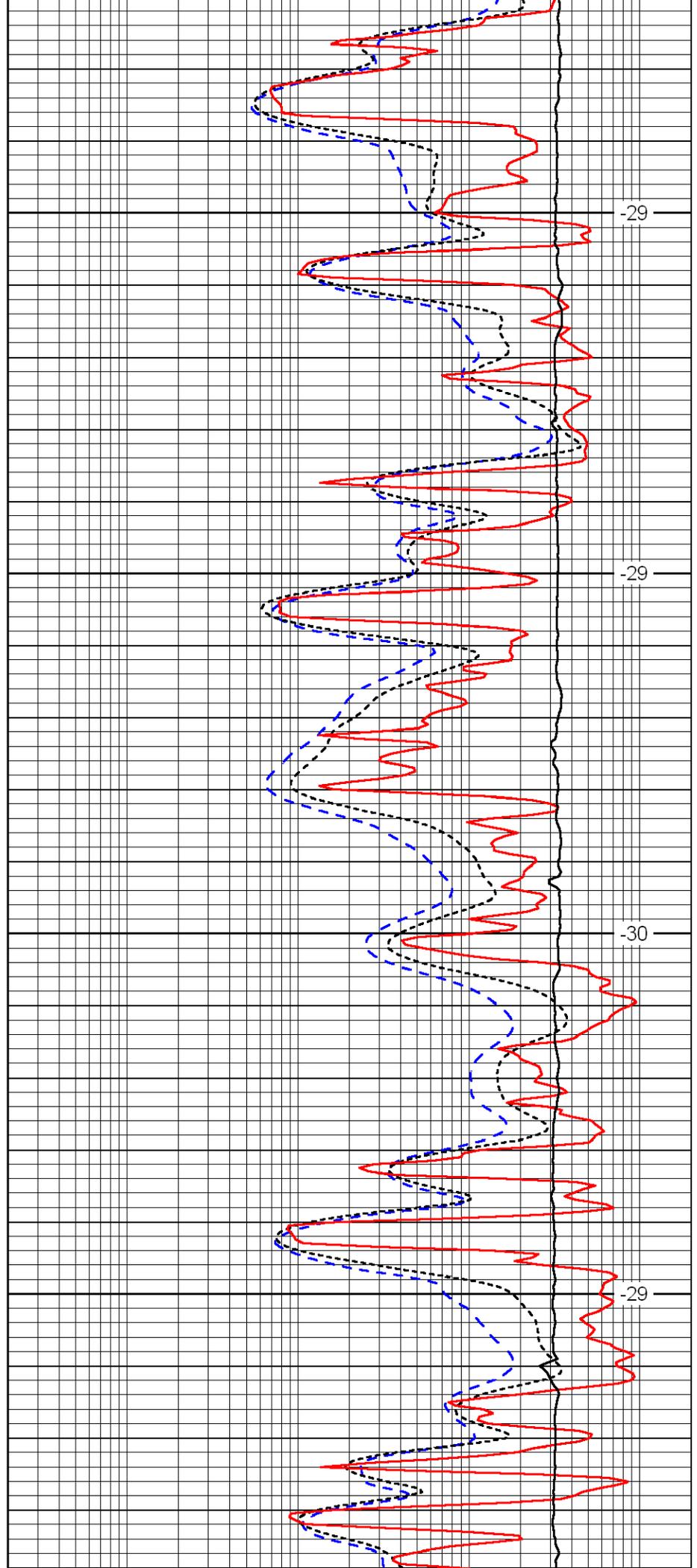


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4100

4150

4200

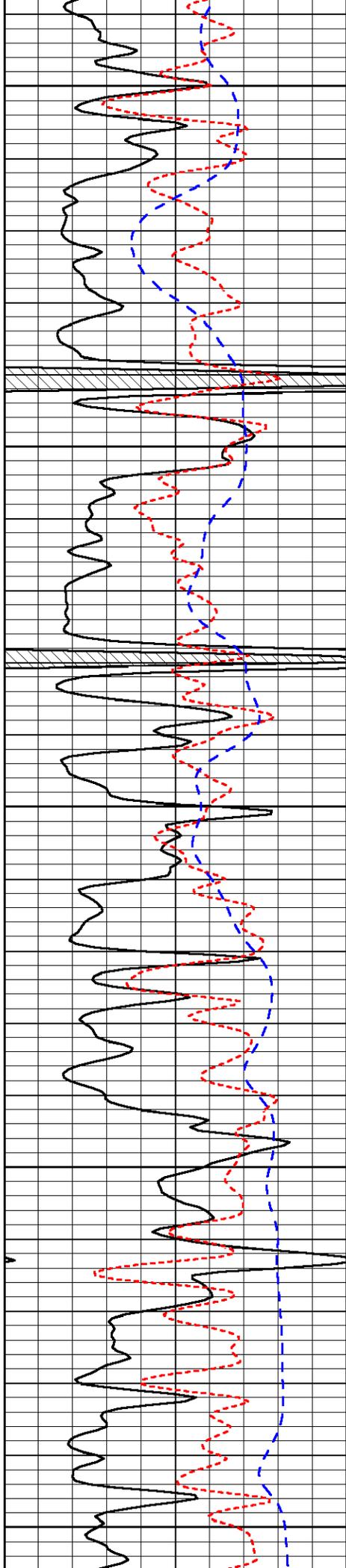


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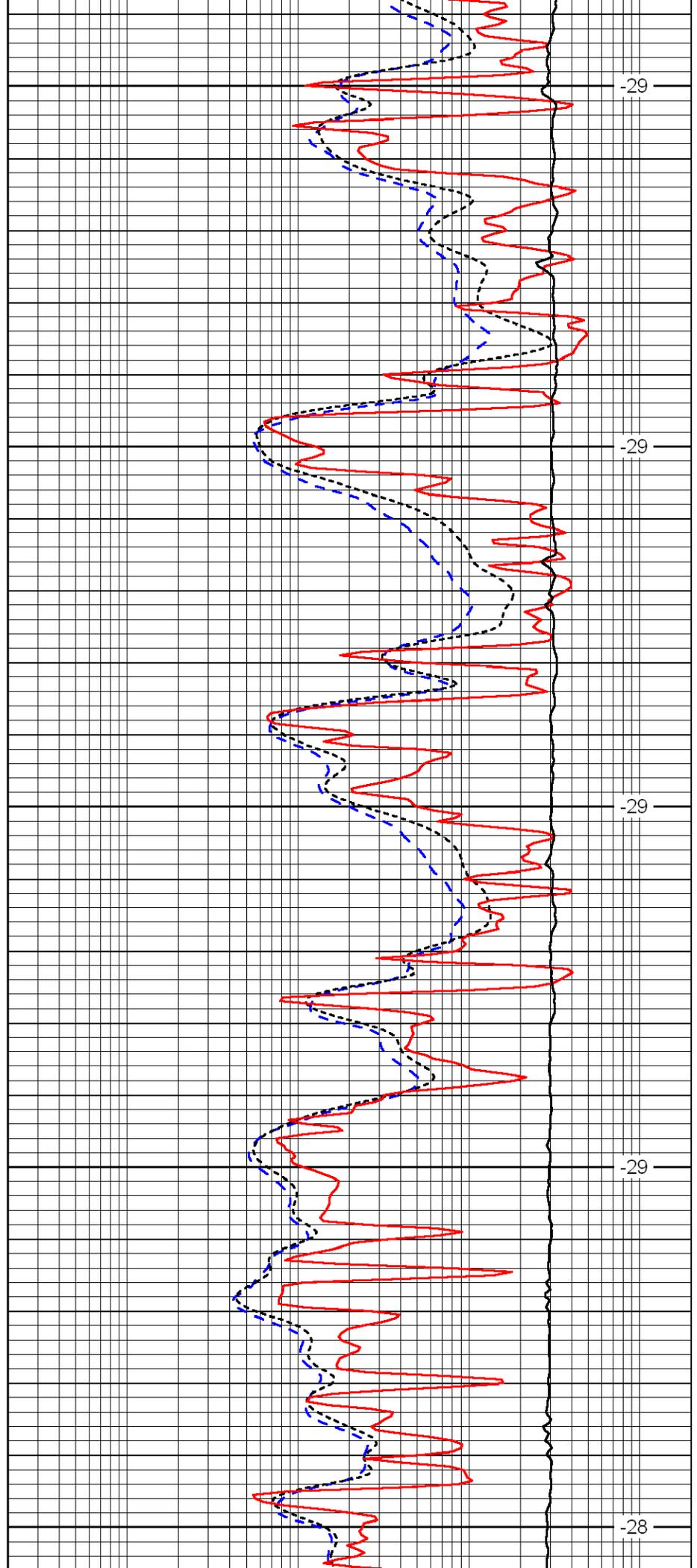
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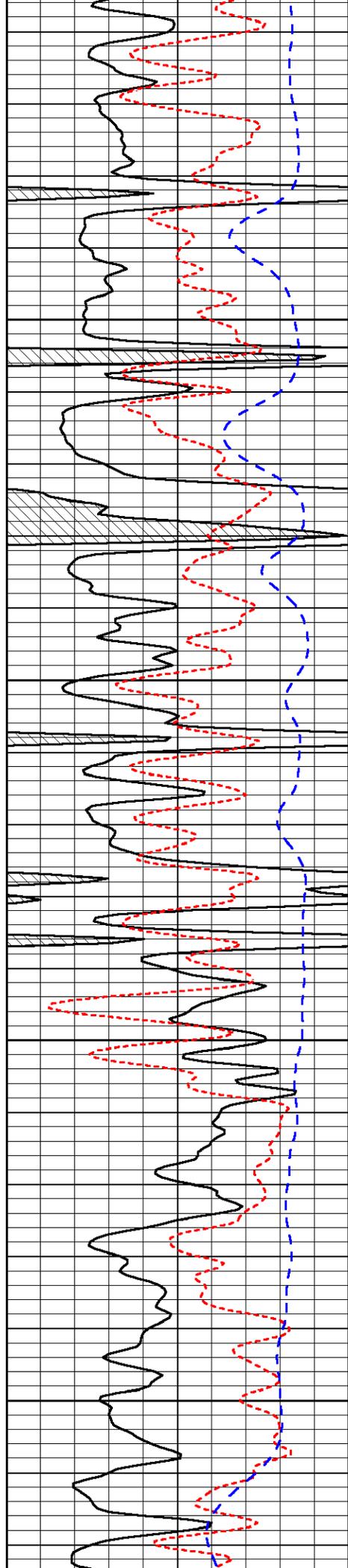
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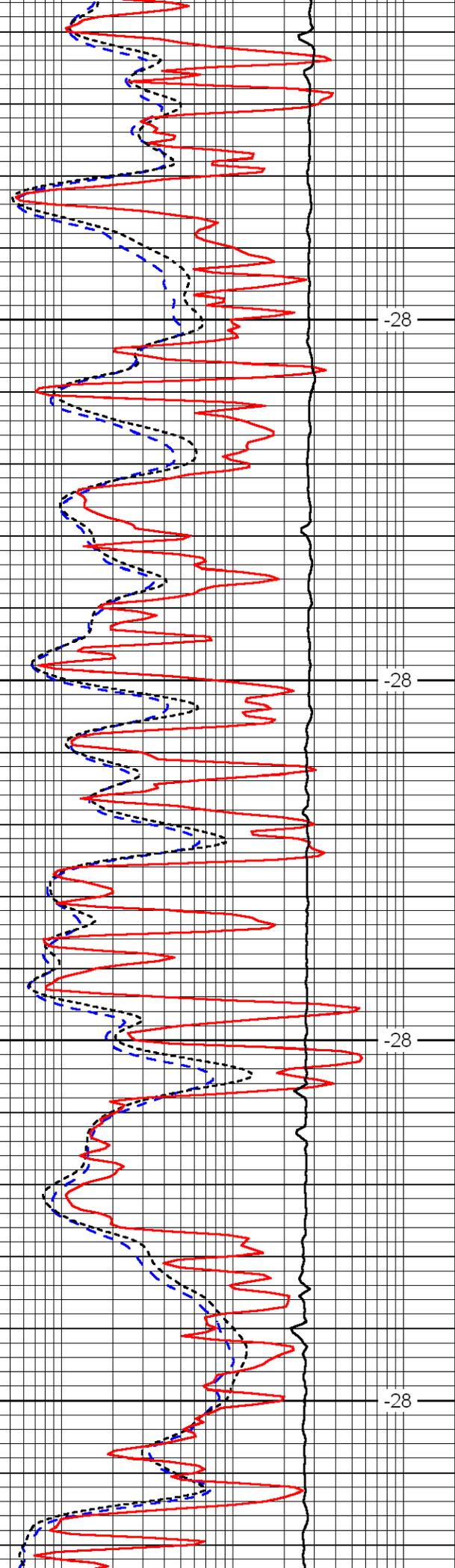


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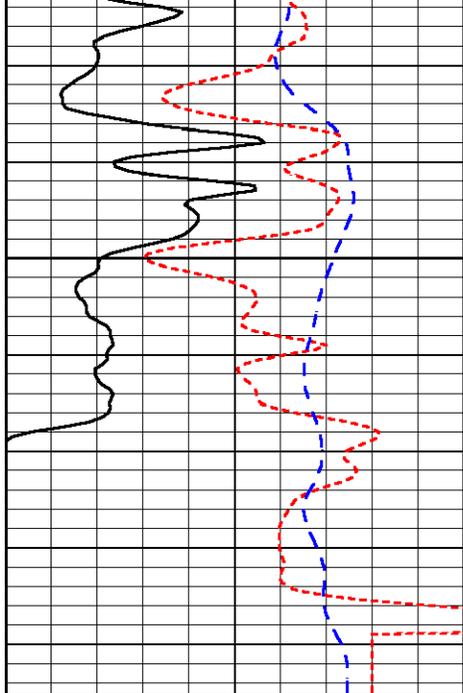


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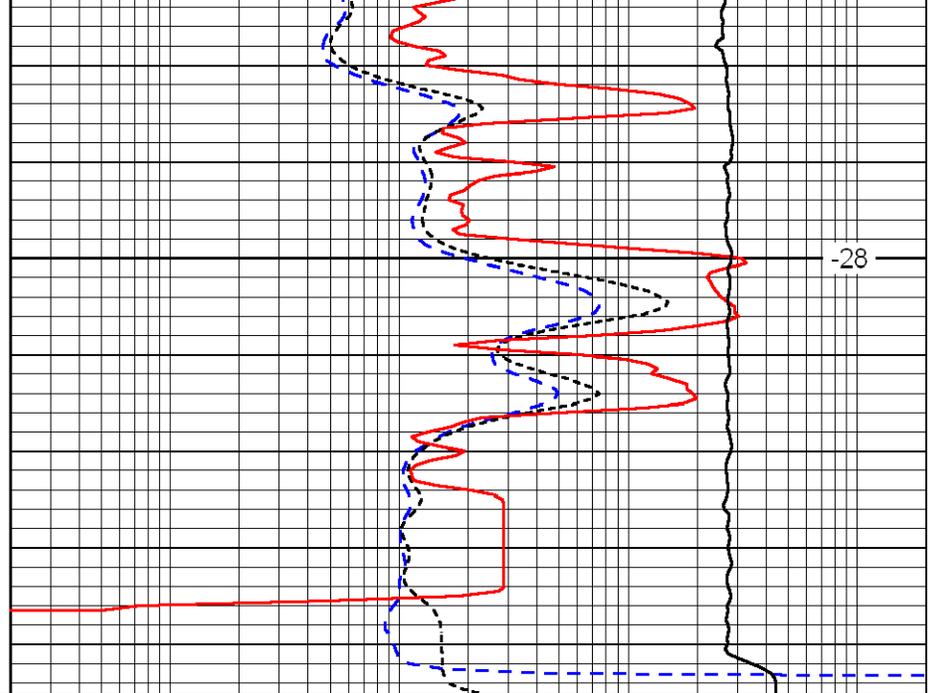
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-28

0.2	Deep Resistivity	2000
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LSPD