



Pioneer Energy Services

Dual Induction Log

API No.	Company TDI, Inc.			
	Well Henman Unit #1			
	Field Unnamed			
	County	Elilis	State	Kansas
15-051-26,485-00-00	Location	SE SW SW SW 100' FSL & 625' FWL		
	Sec: 6	Twp: 15 S	Rge: 19 W	Other Services CNL/CDL MEL
	Permanent Datum	Ground Level	Elevation 2638	Elevation
	Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	K.B. 2648 D.F. 2638 G.L. 2638
Drilling Measured From Kelly Bushing				
Date	3/27/2013			
Run Number	One			
Depth Driller	3685			
Depth Logger	3683			
Bottom Logged Interval	3682			
Top Log Interval	200			
Casing Driller	8.625 @ 222			
Casing Logger	217			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	2600			
Density / Viscosity	9.5 75			
pH / Fluid Loss	10.5 7.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.3 @ 65			
Rmf @ Meas. Temp	.98 @ 65			
Rmc @ Meas. Temp	1.76 @ 65			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.75 @ 113			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	113			
Equipment Number	15			
Location	Hays			
Recorded By	D. Kerr			
Witnessed By	Tom Denning			
	Herb Deines			

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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

Antonino KS, 5 West, 1 South, 1/8 East, North Into

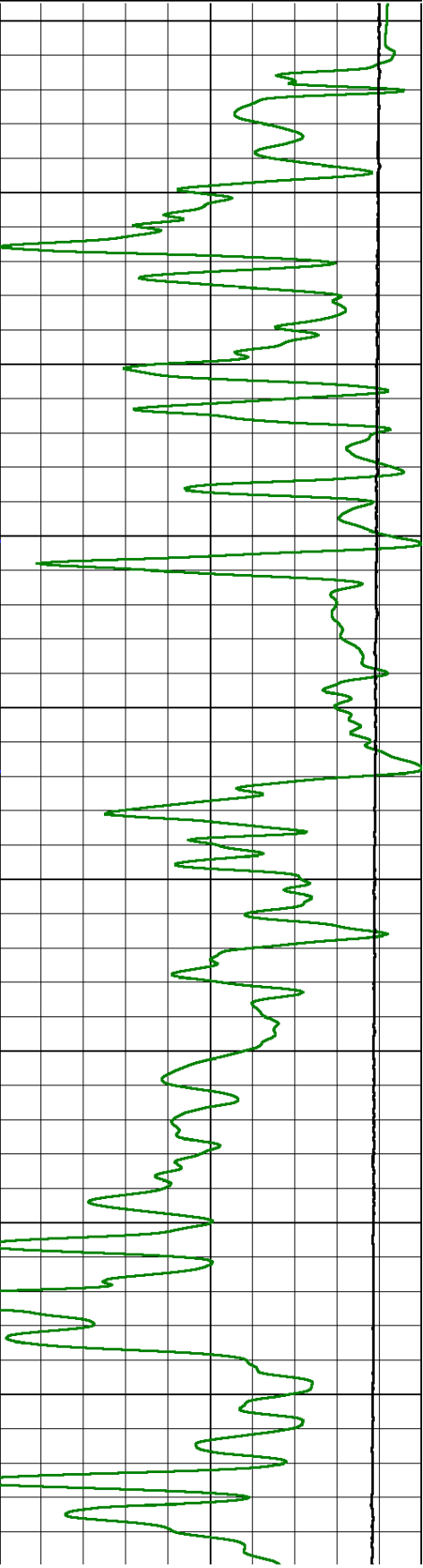
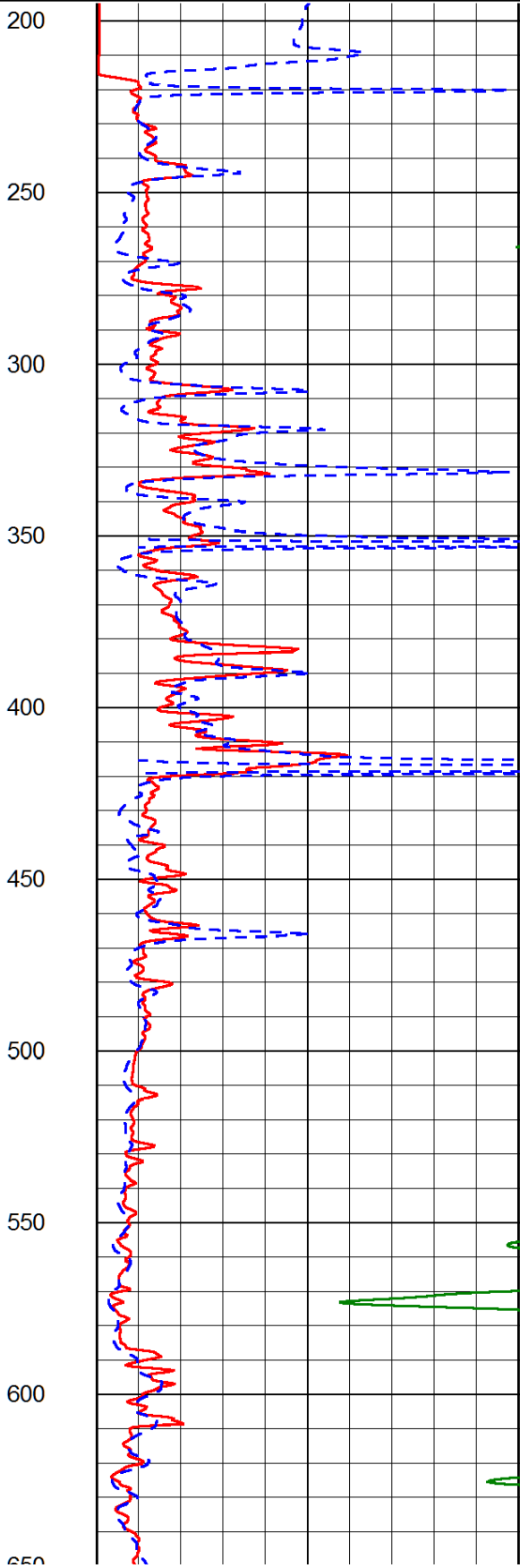
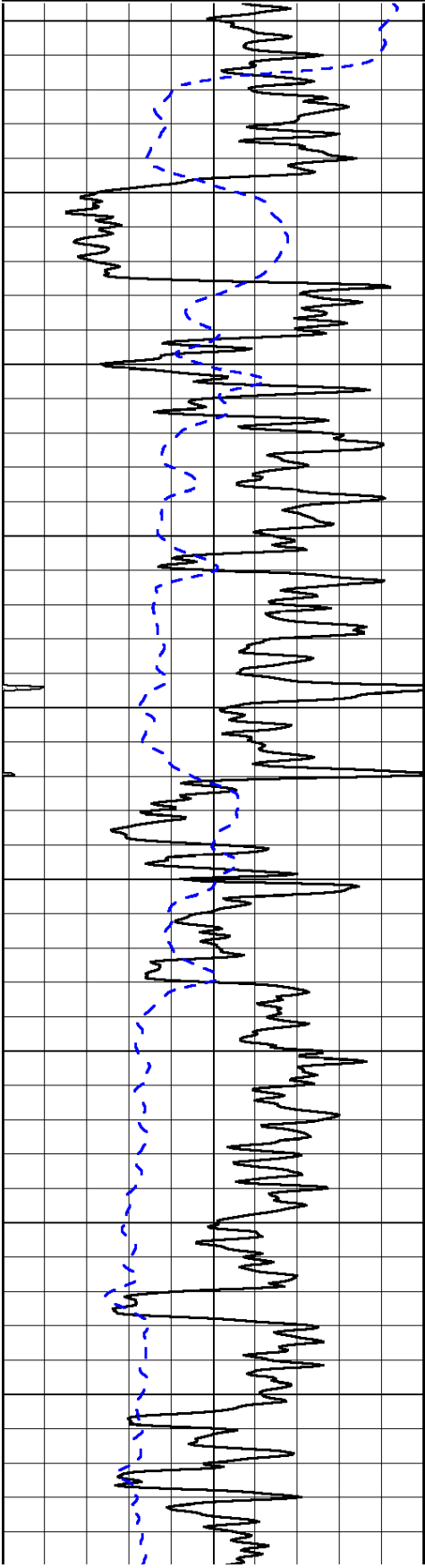
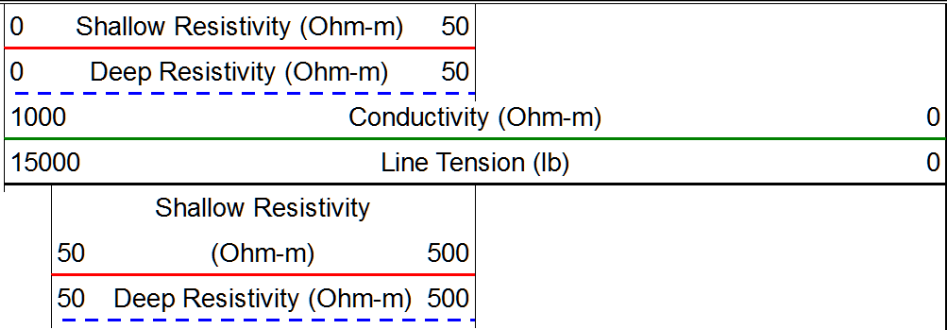
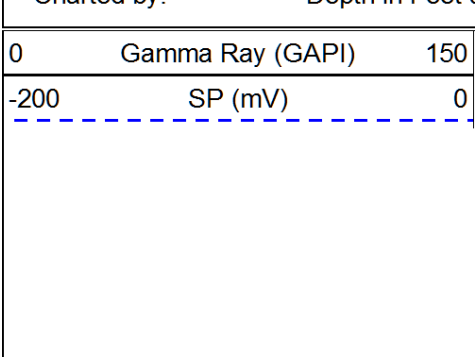
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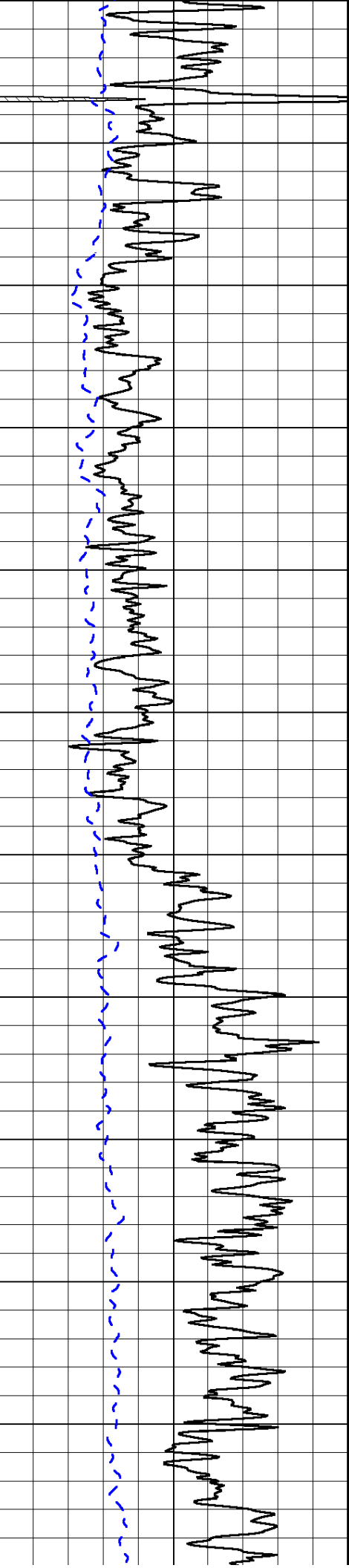
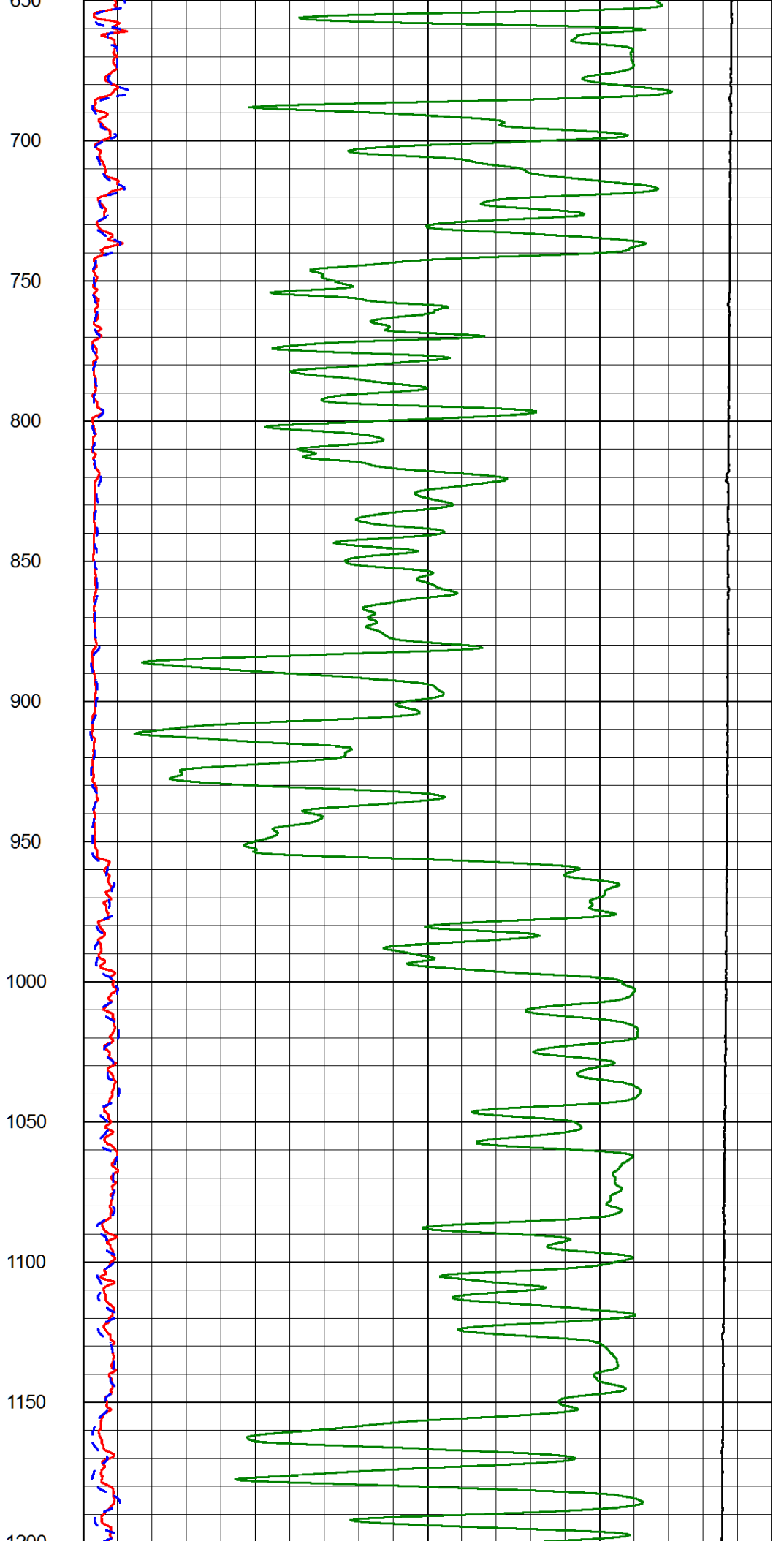
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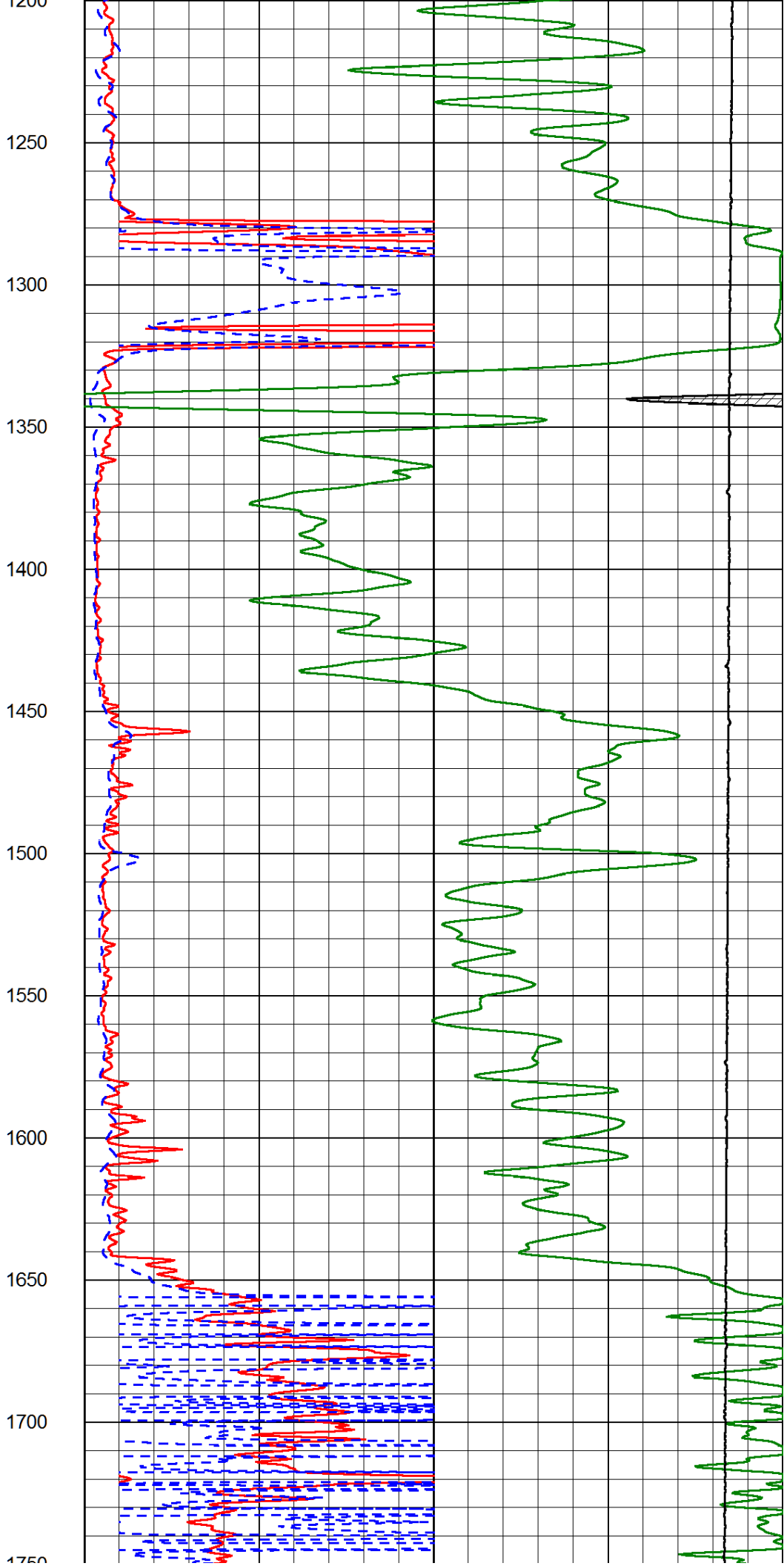
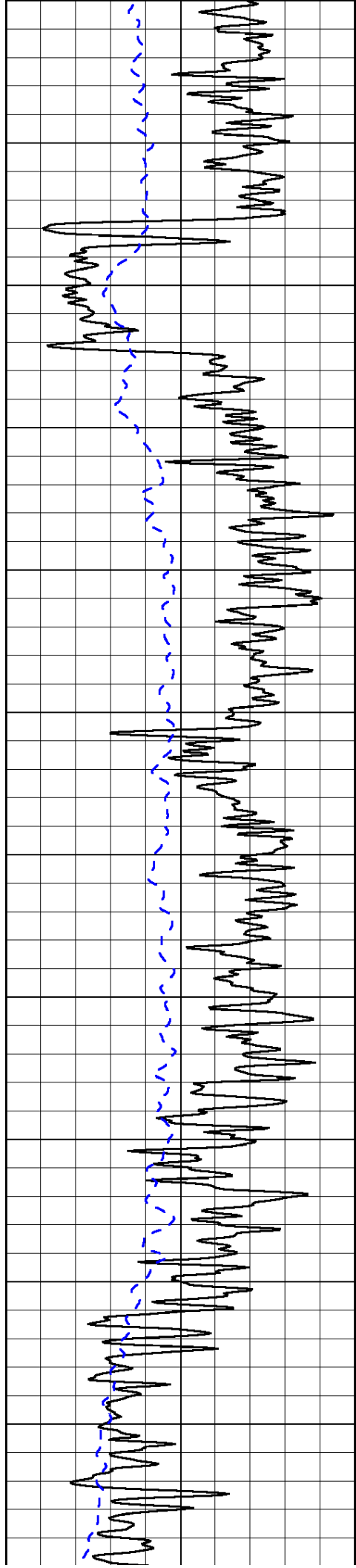
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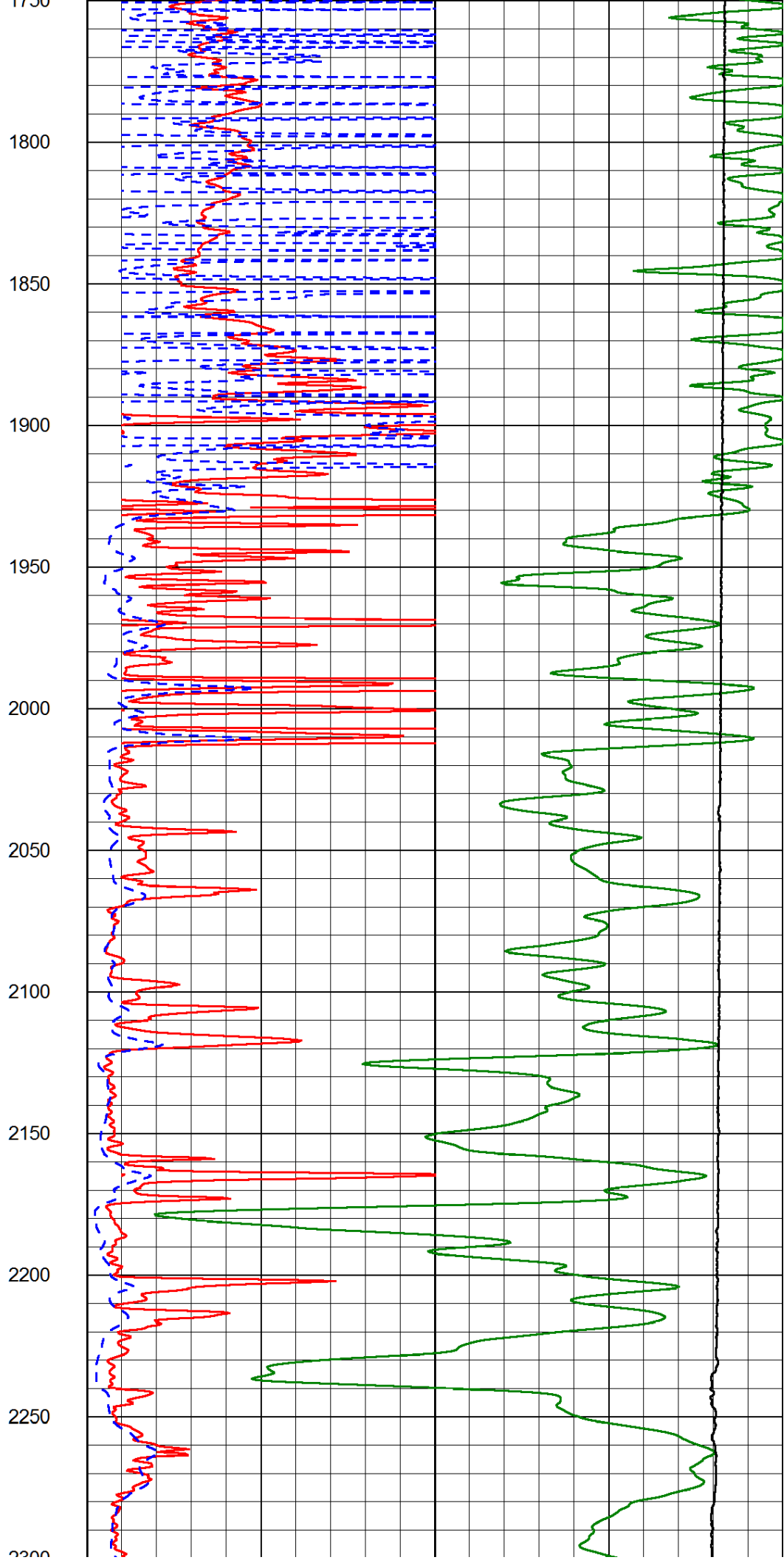
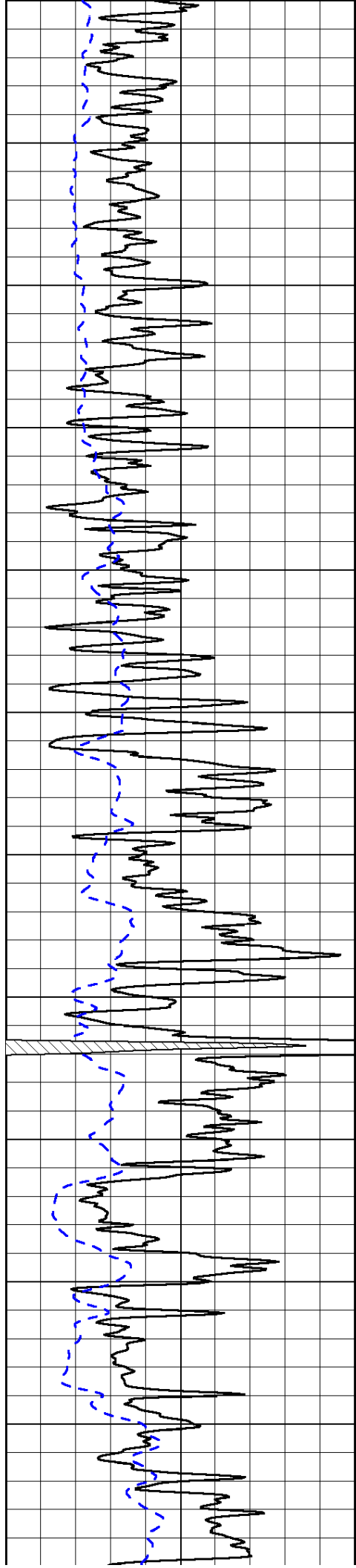
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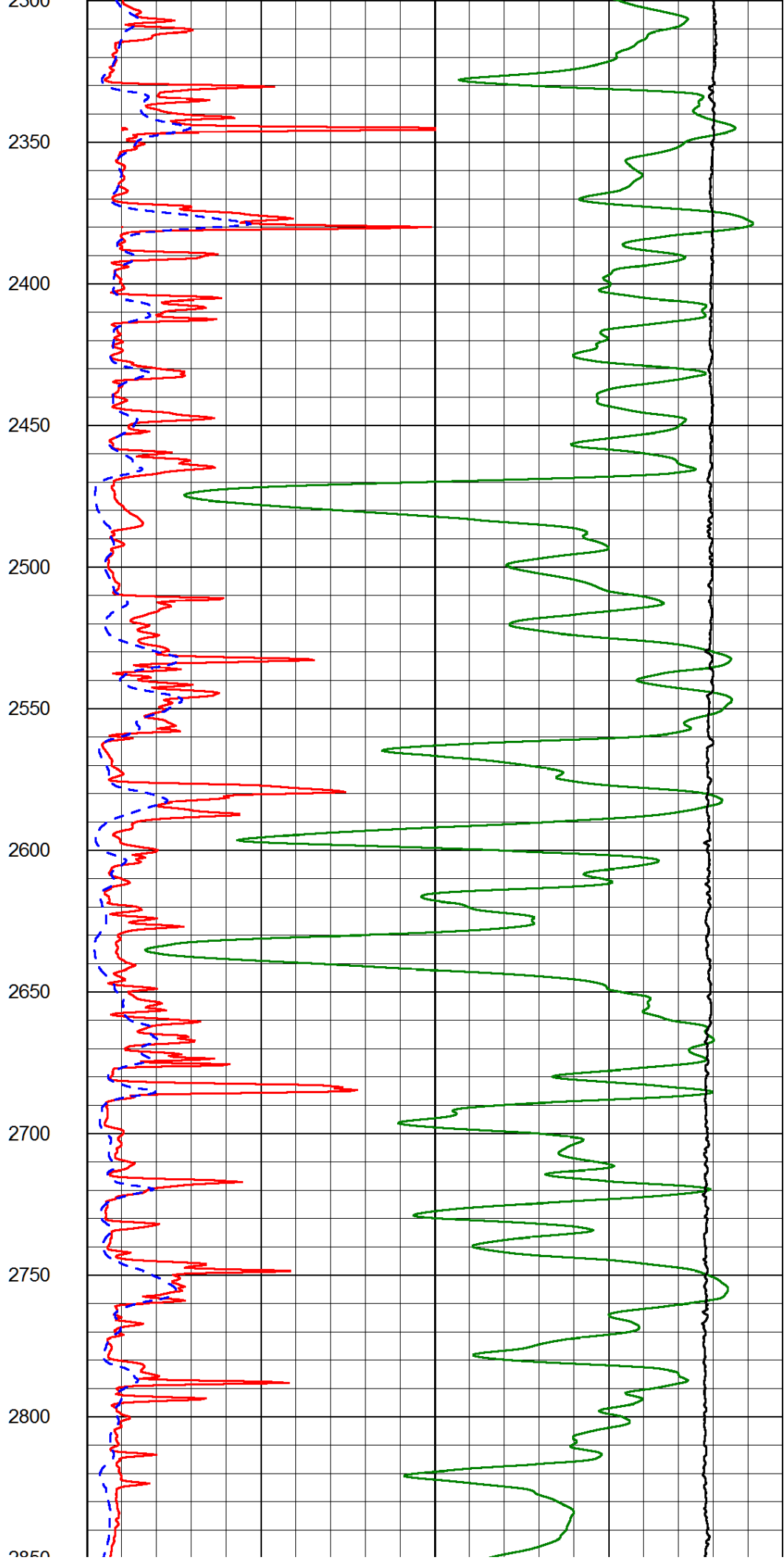
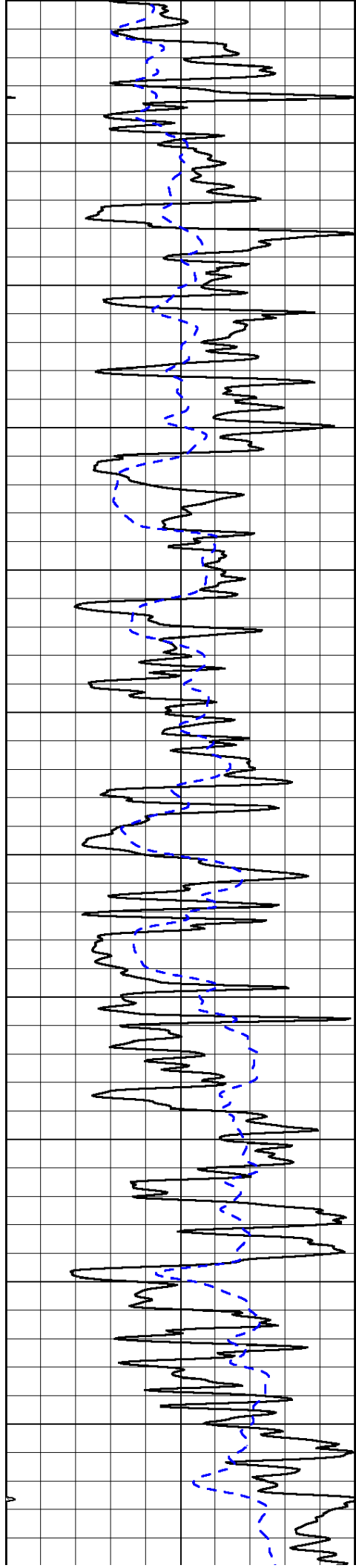
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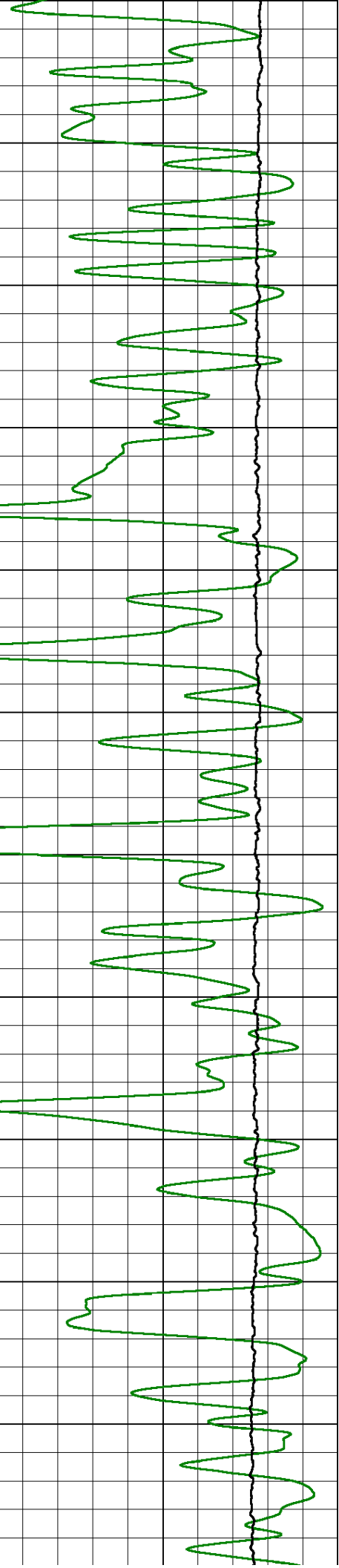
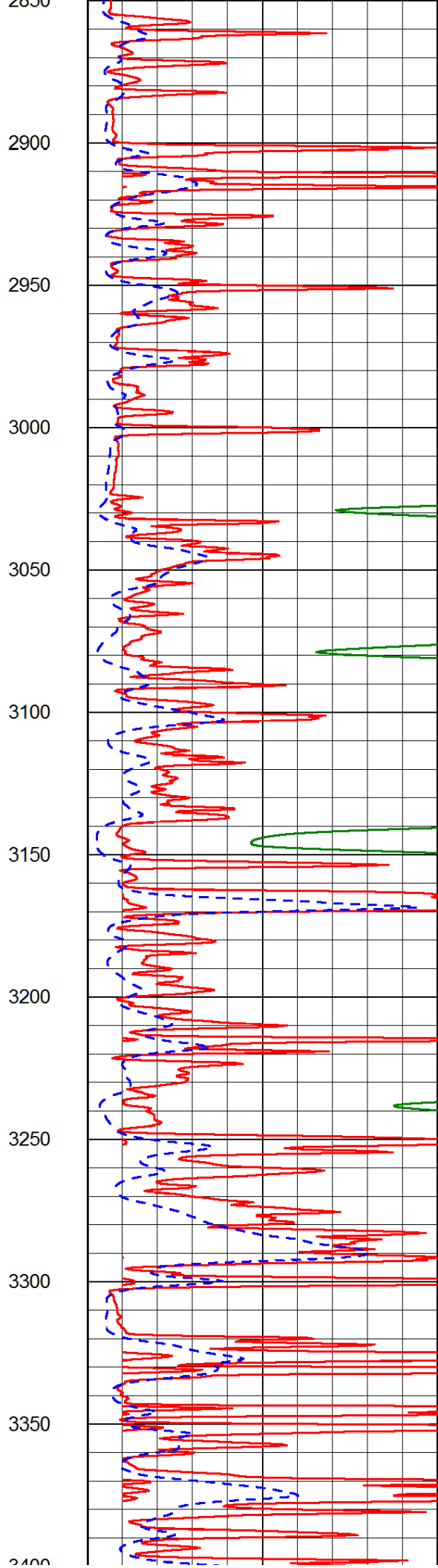
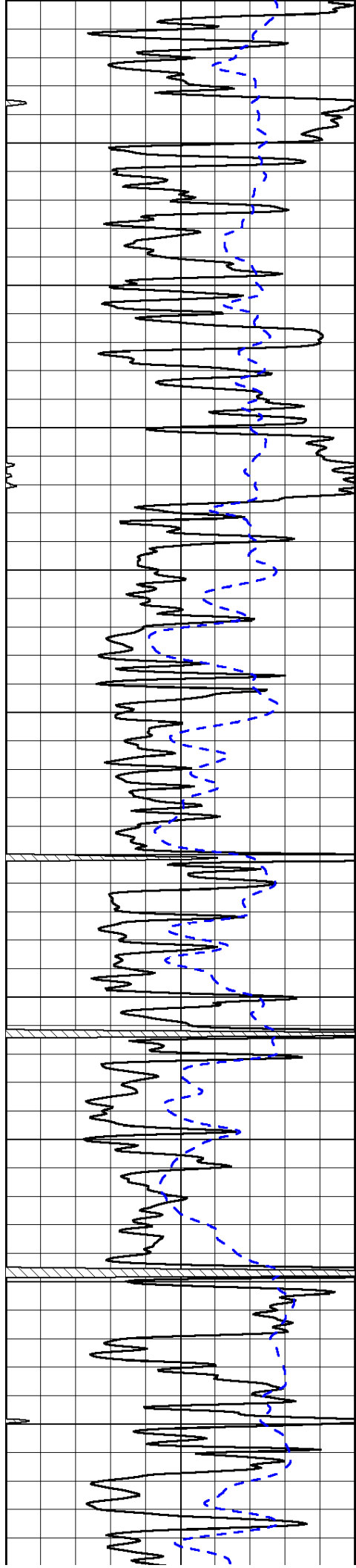


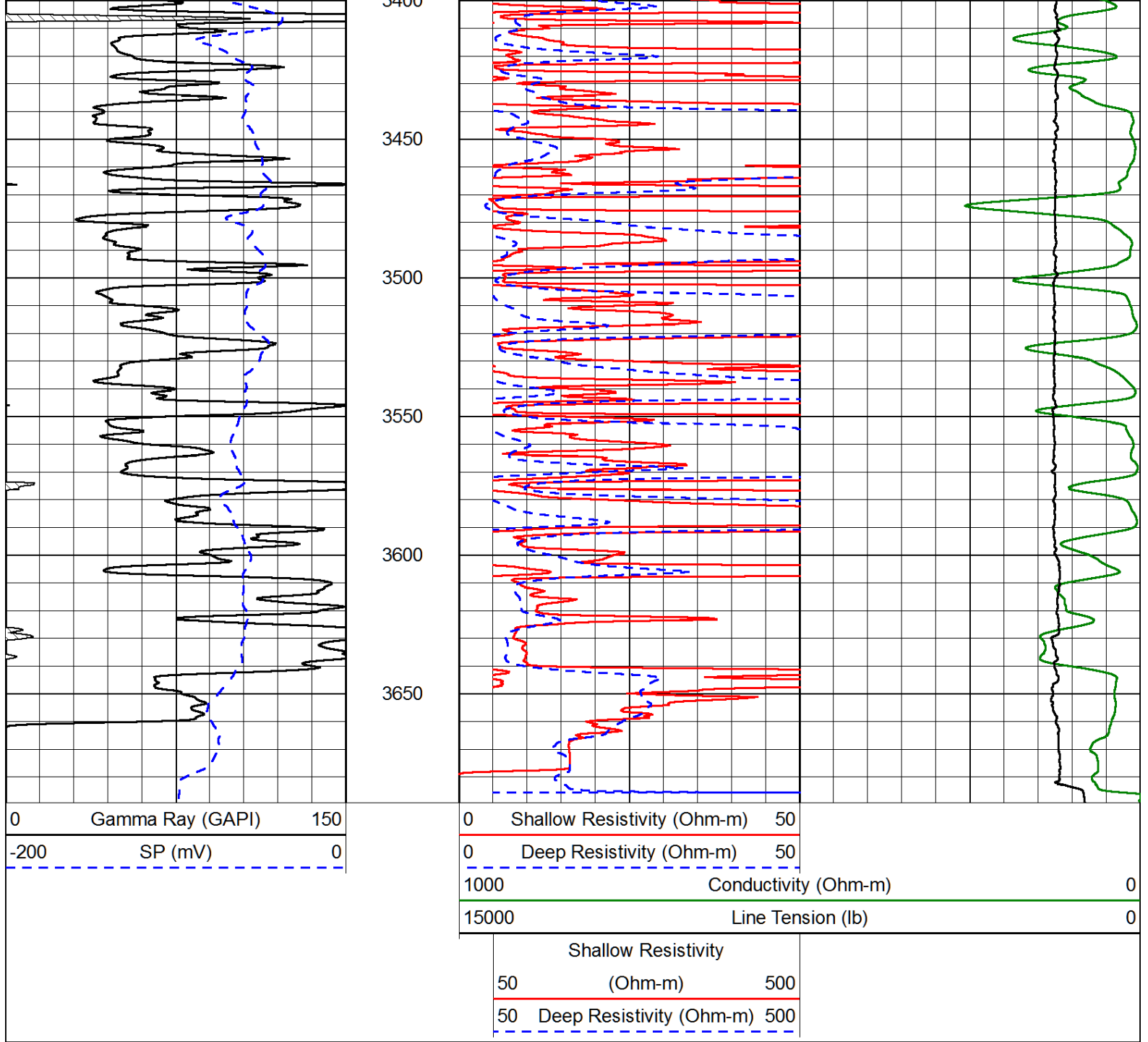




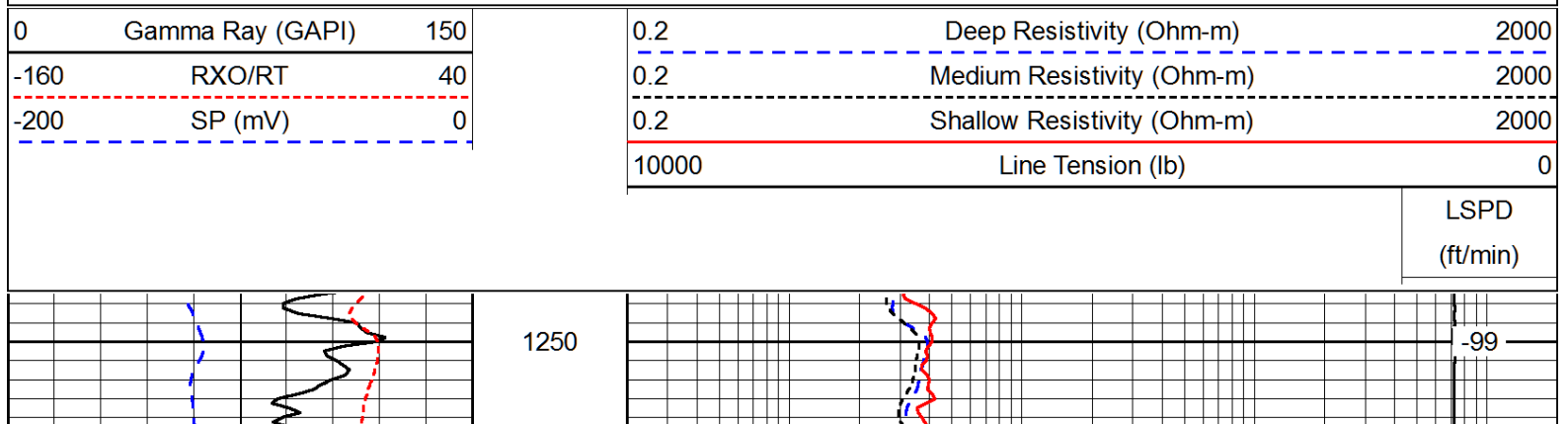


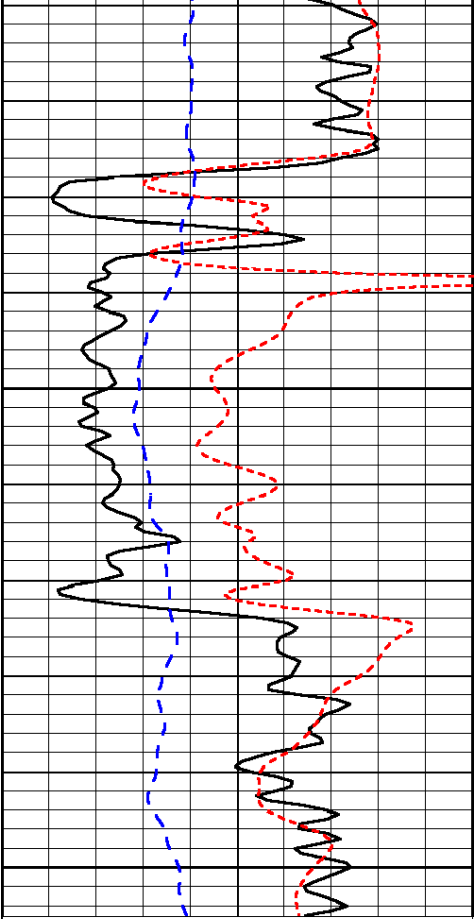






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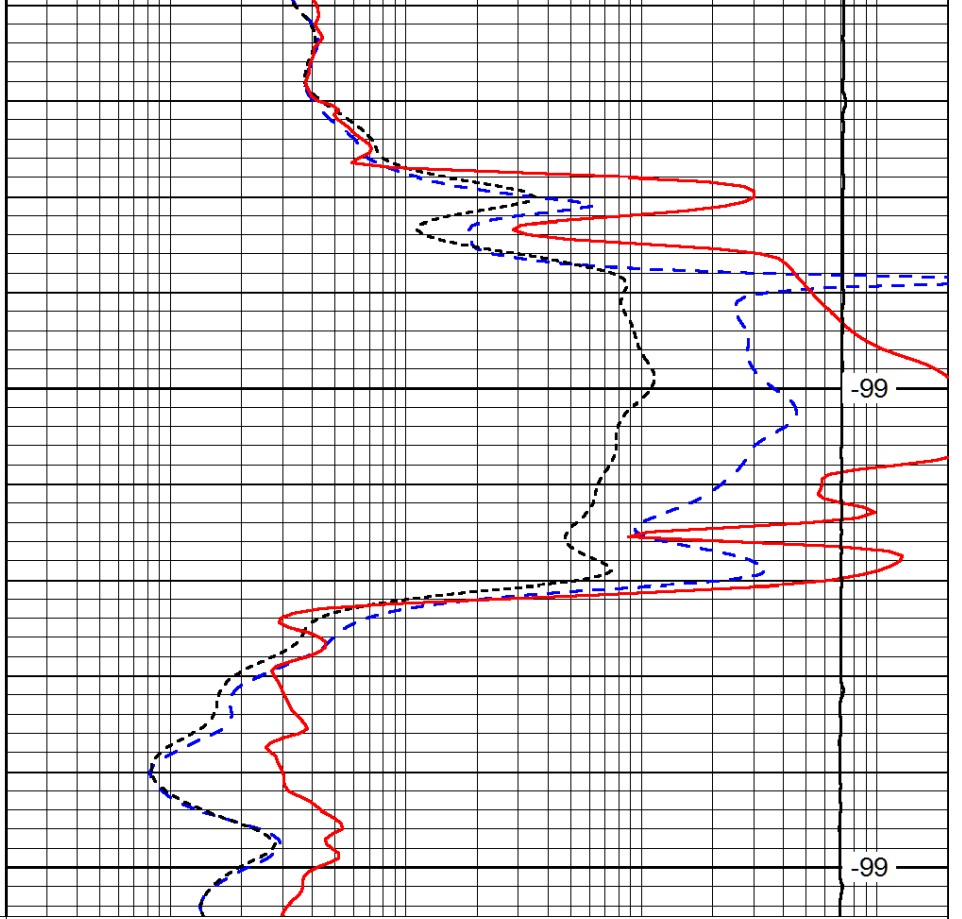




0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

1300

1350



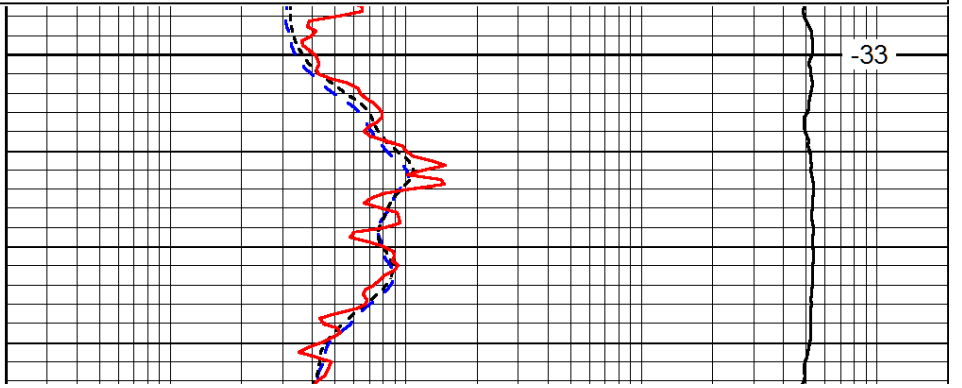
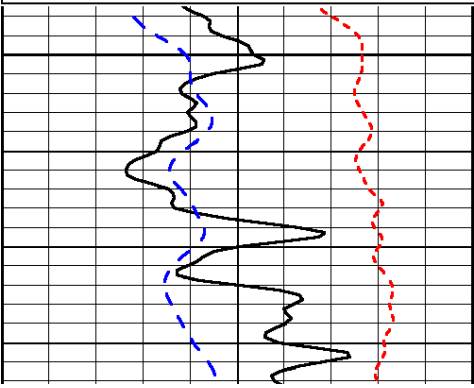
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)

Database File: tdi_henmanunit_1hd.db
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Dataset Creation: Wed Mar 27 23:19:23 2013
Charted by: Depth in Feet scaled 1:240

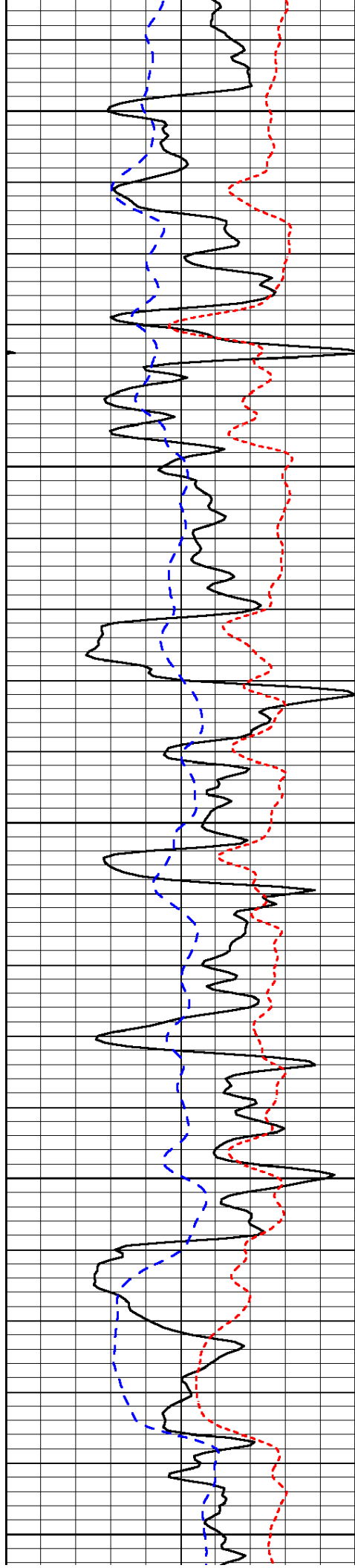
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

2250



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)



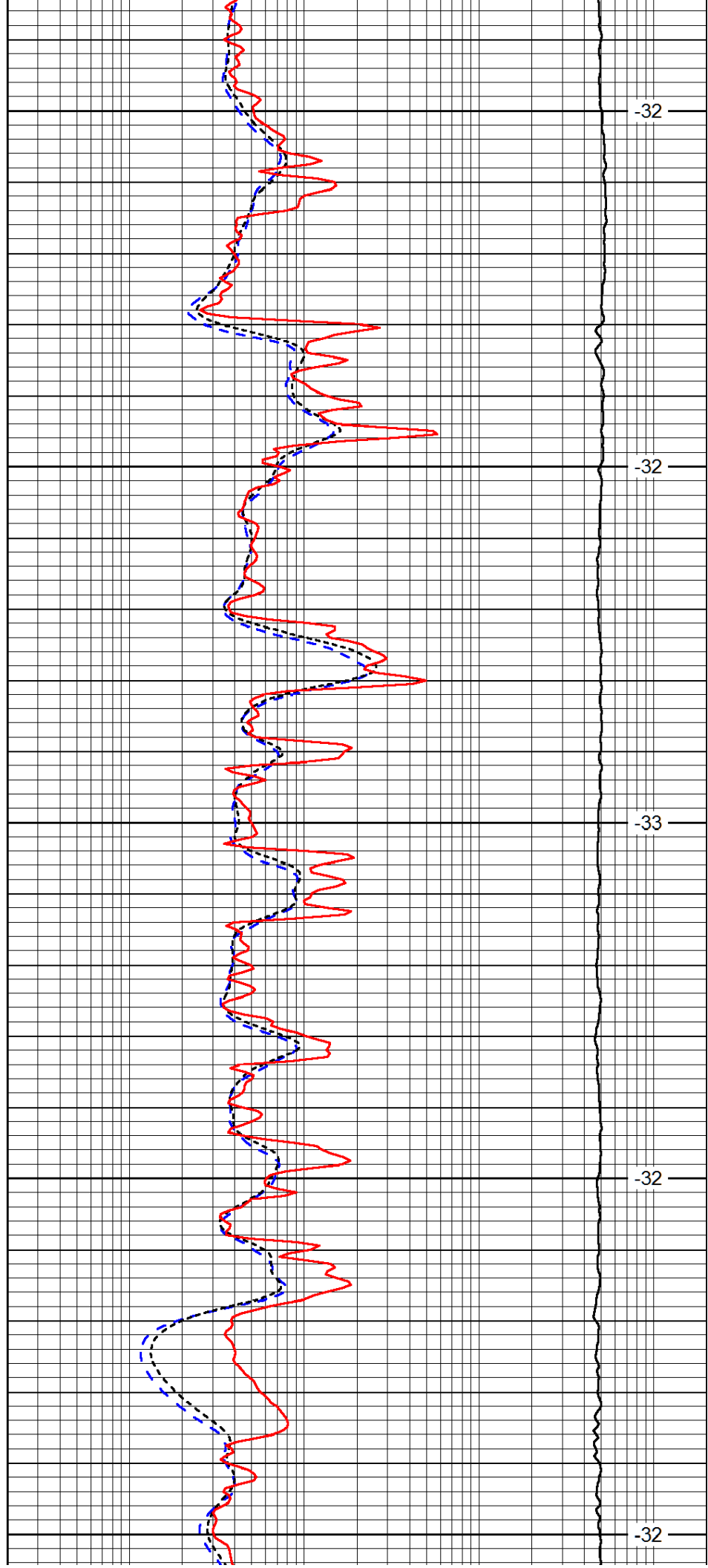
2300

2350

2400

2450

2500



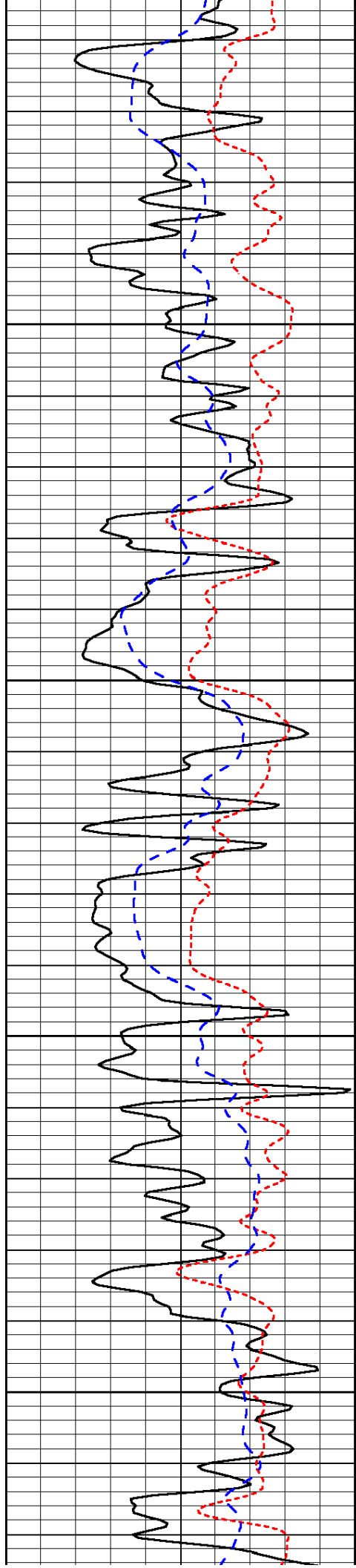
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-32

-33

-32

-32

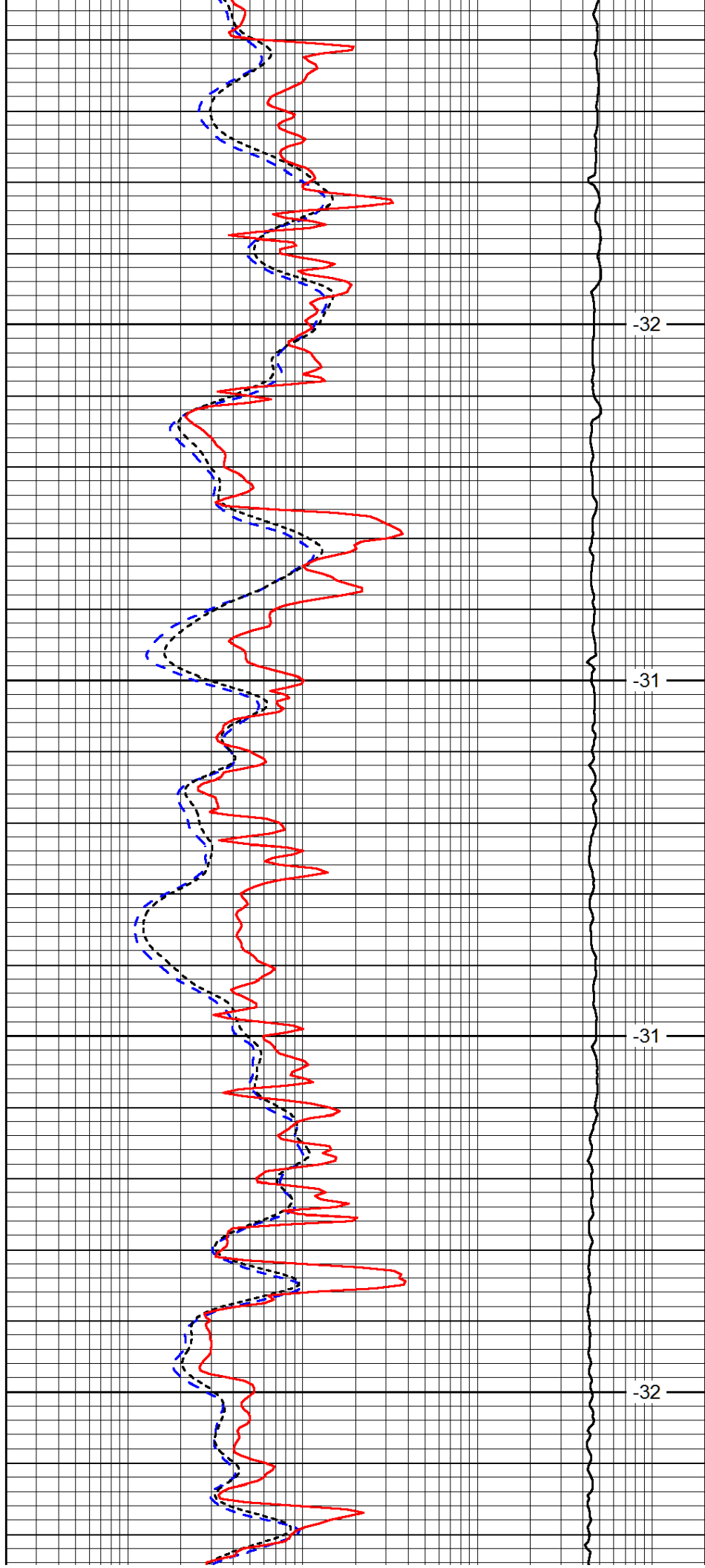


2550

2600

2650

2700

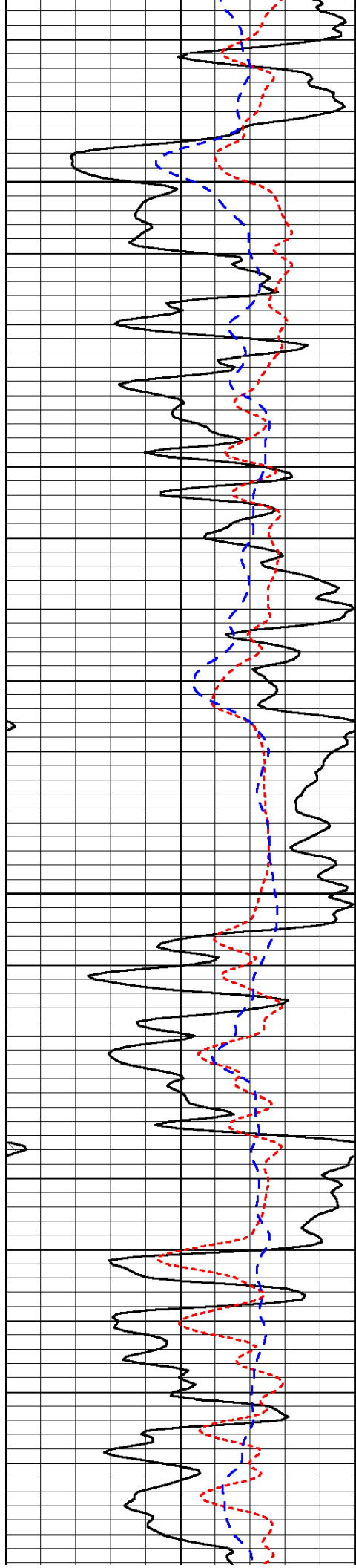


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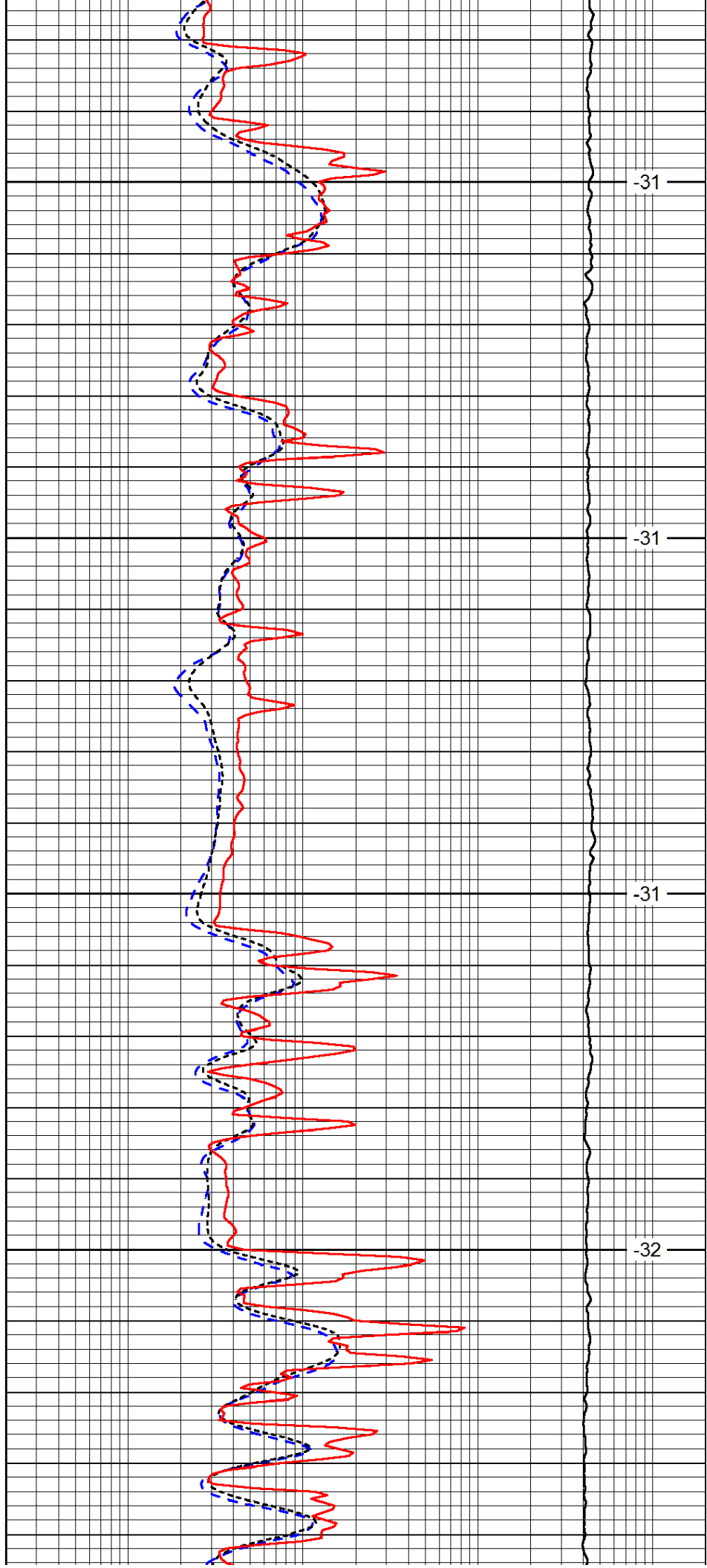


2750

2800

2850

2900

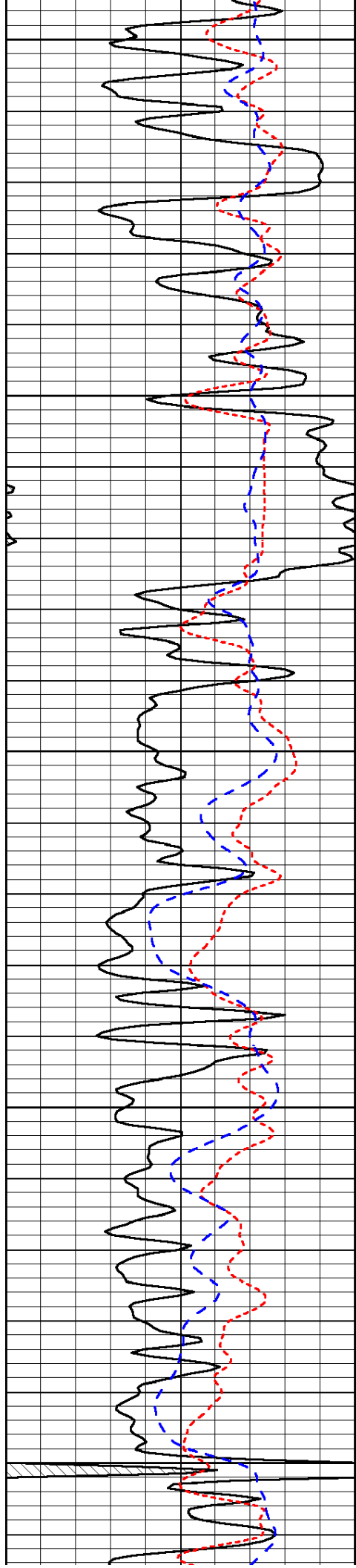


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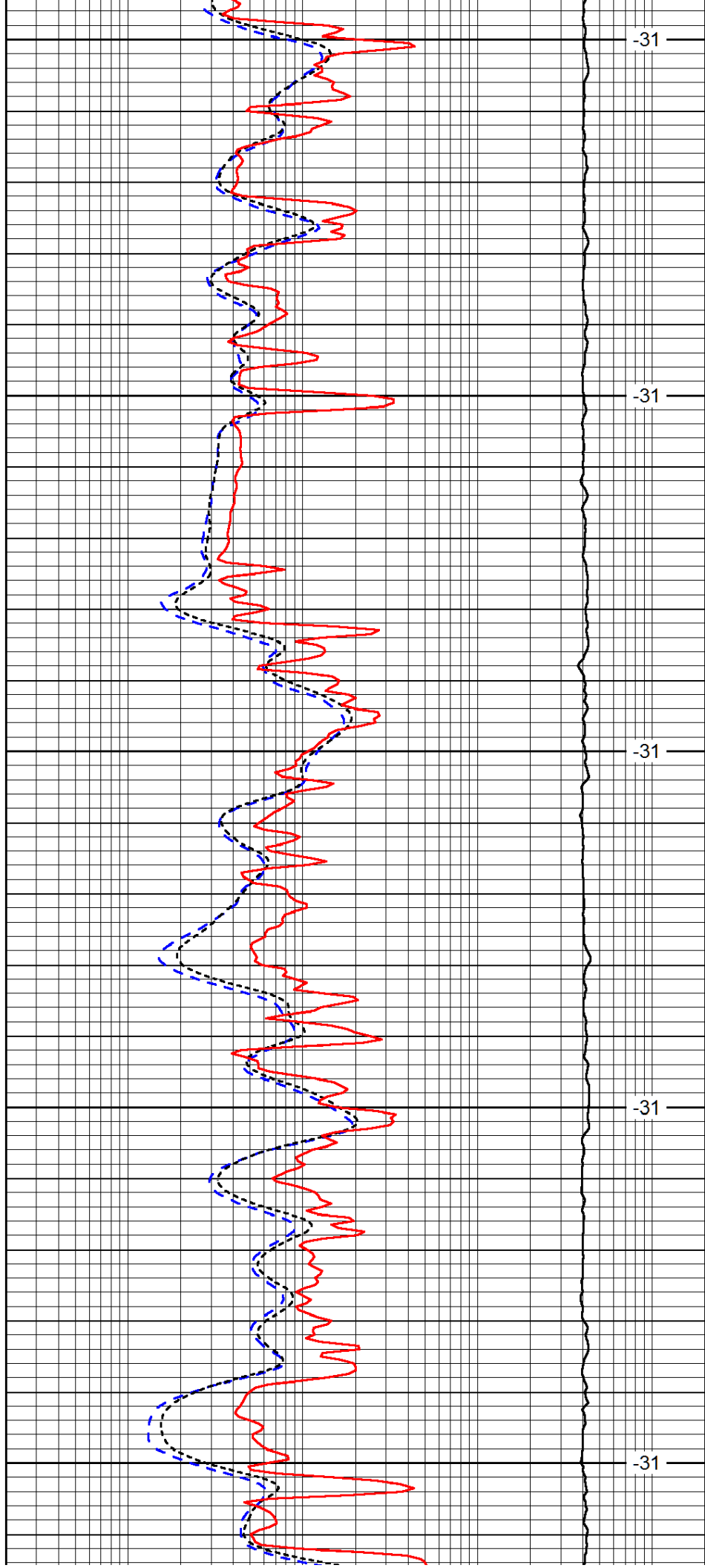
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3050

3100

3150



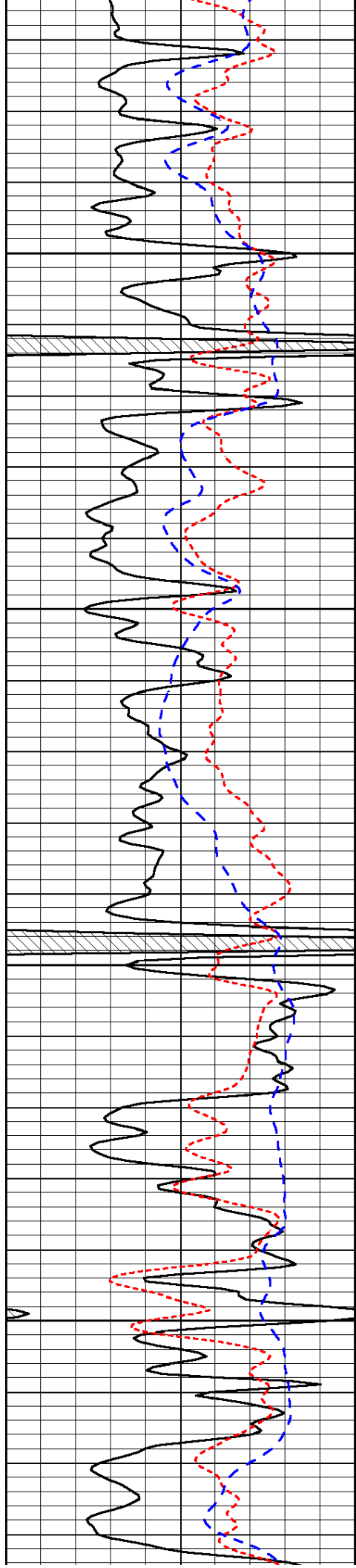
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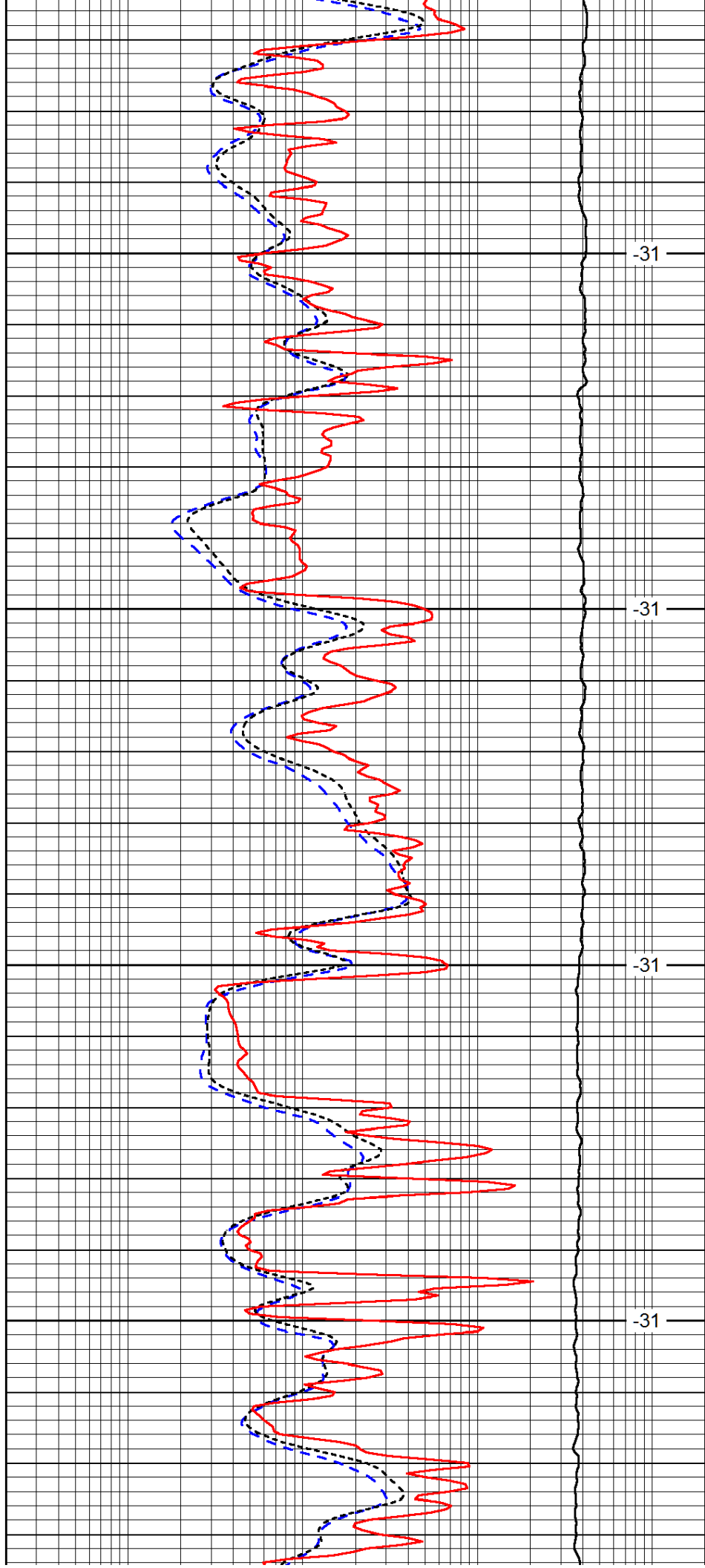


3200

3250

3300

3350

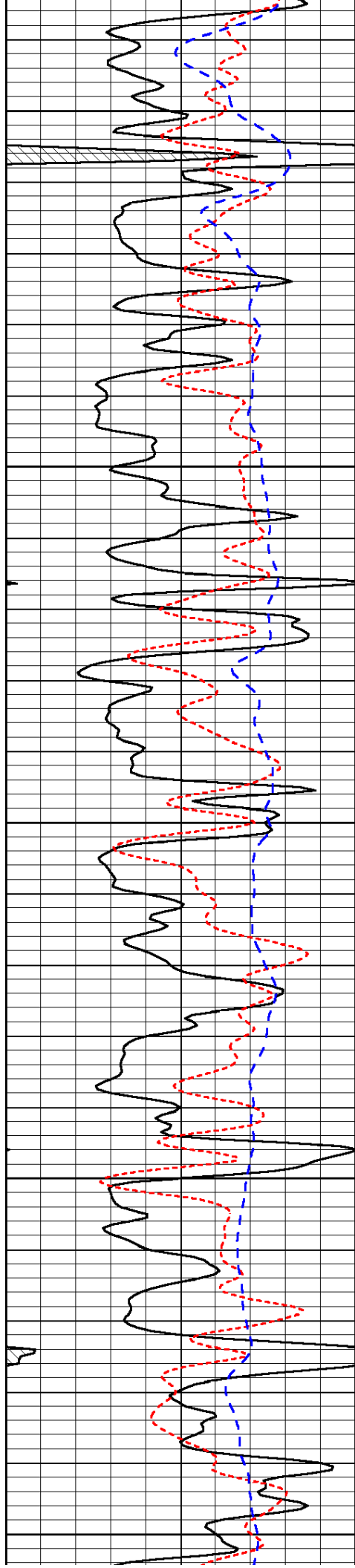


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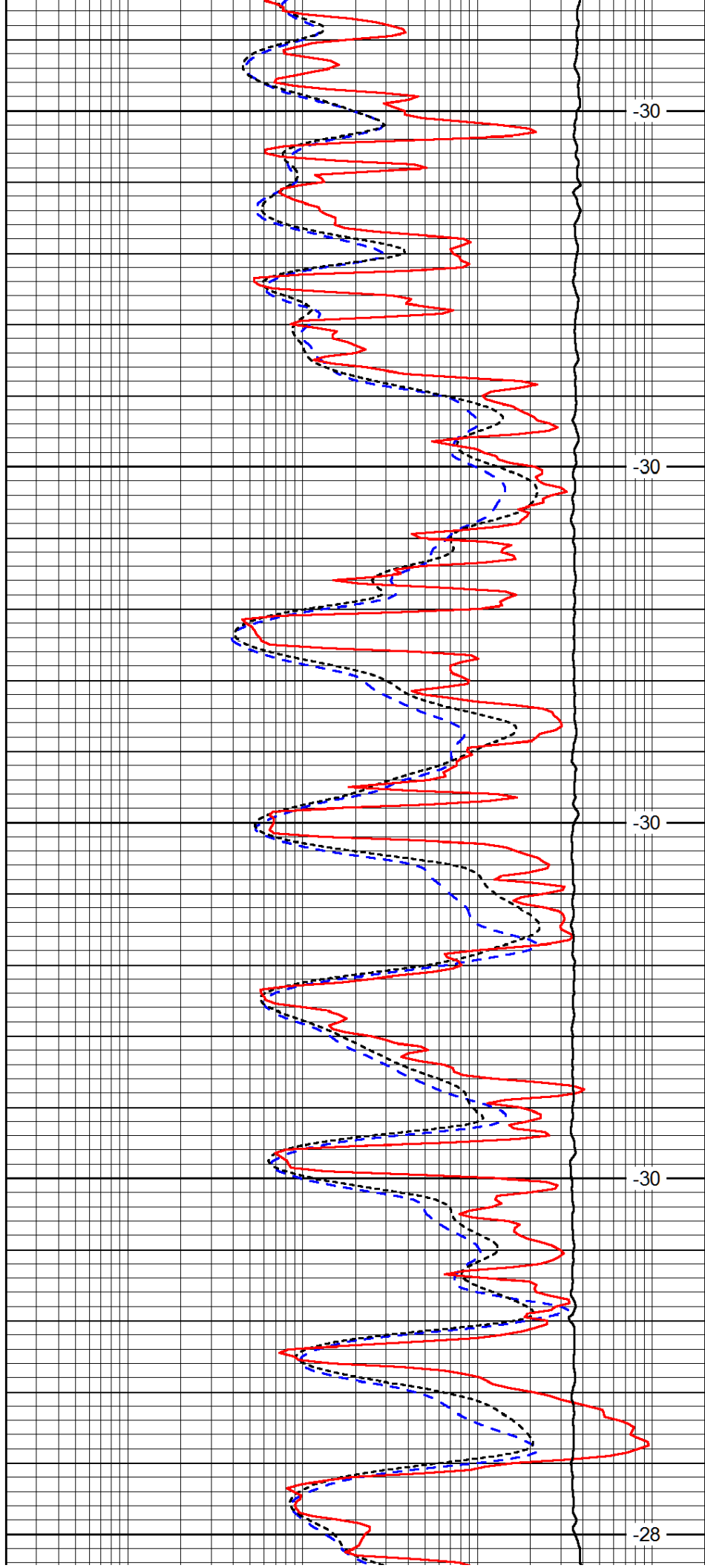
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3450

3500

3550

3600



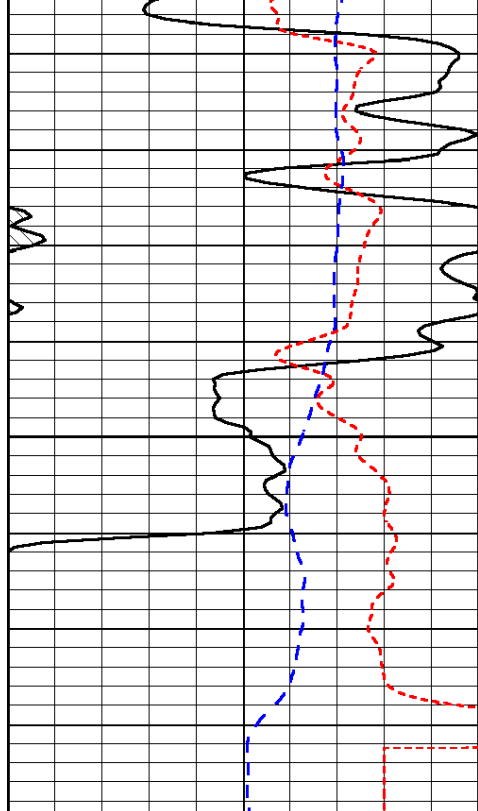
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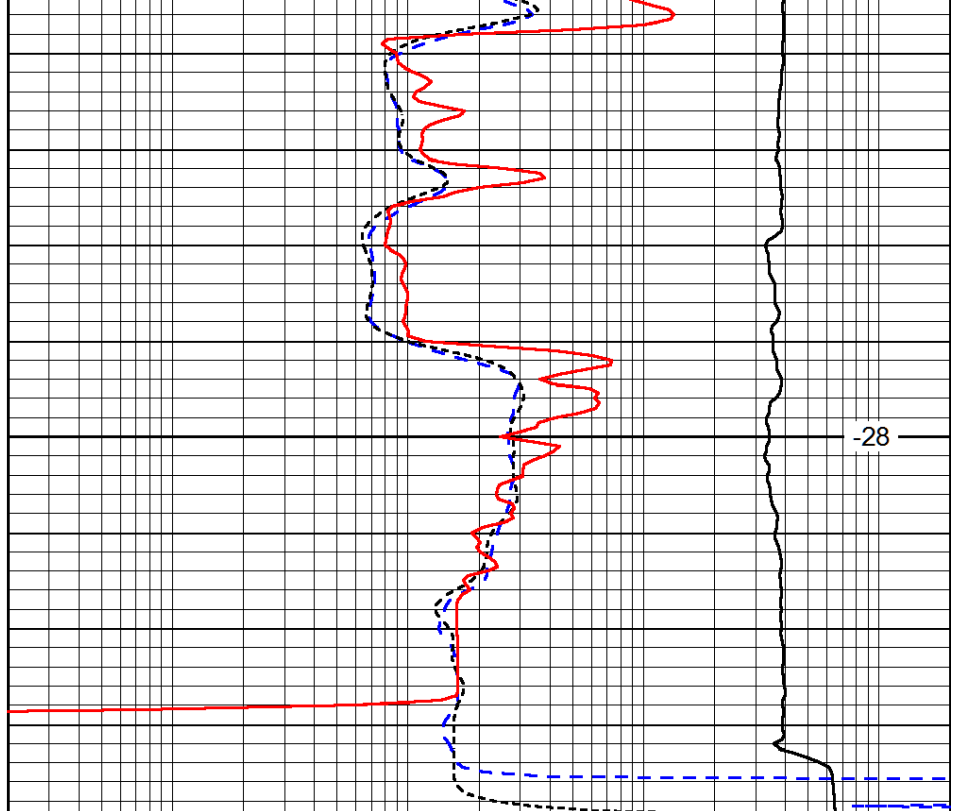
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-28



3650

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-28

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