



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Murfin Drilling Company, Inc.			
	Well Mussemann Unit No.1-5			
	Field Wildcat			
	County Trego	State	Kansas	
15-195-22,678-00-00	Location	450' FSL & 2600' FWL		Other Services CNL/CDL MEL/BHCS
	Sec: 5	Twp: 12S	Rge: 24W	Elevation
	Permanent Datum	Ground Level		K.B. 2503
	Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	D.F. 2498
	Drilling Measured From	Kelly Bushing		
Date		8/16/2010		
Run Number		One		
Depth Driller		4165		
Depth Logger		4168		
Bottom Logged Interval		4167		
Top Log Interval		0		
Casing Driller		8.625 @ 215		
Casing Logger		214		
Bit Size		7.875		
Type Fluid in Hole		Chemical		
Salinity, ppm CL		3.000		
Density / Viscosity		9.1 69		
pH / Fluid Loss		11.0 7.2		
Source of Sample		Flowline		
Rm @ Meas. Temp		.75 @ 80		
Rmf @ Meas. Temp		.56 @ 80		
Rmc @ Meas. Temp		1.01 @ 80		
Source of Rmf / Rmc		Charts		
Rm @ BHT		.51 @ 118		
Operating Rig Time		4 Hours		
Max Rec. Temp. F		118		
Equipment Number		15		
Location		Hays		
Recorded By		C. Desaire		
Witnessed By		Tim Pierce		

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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

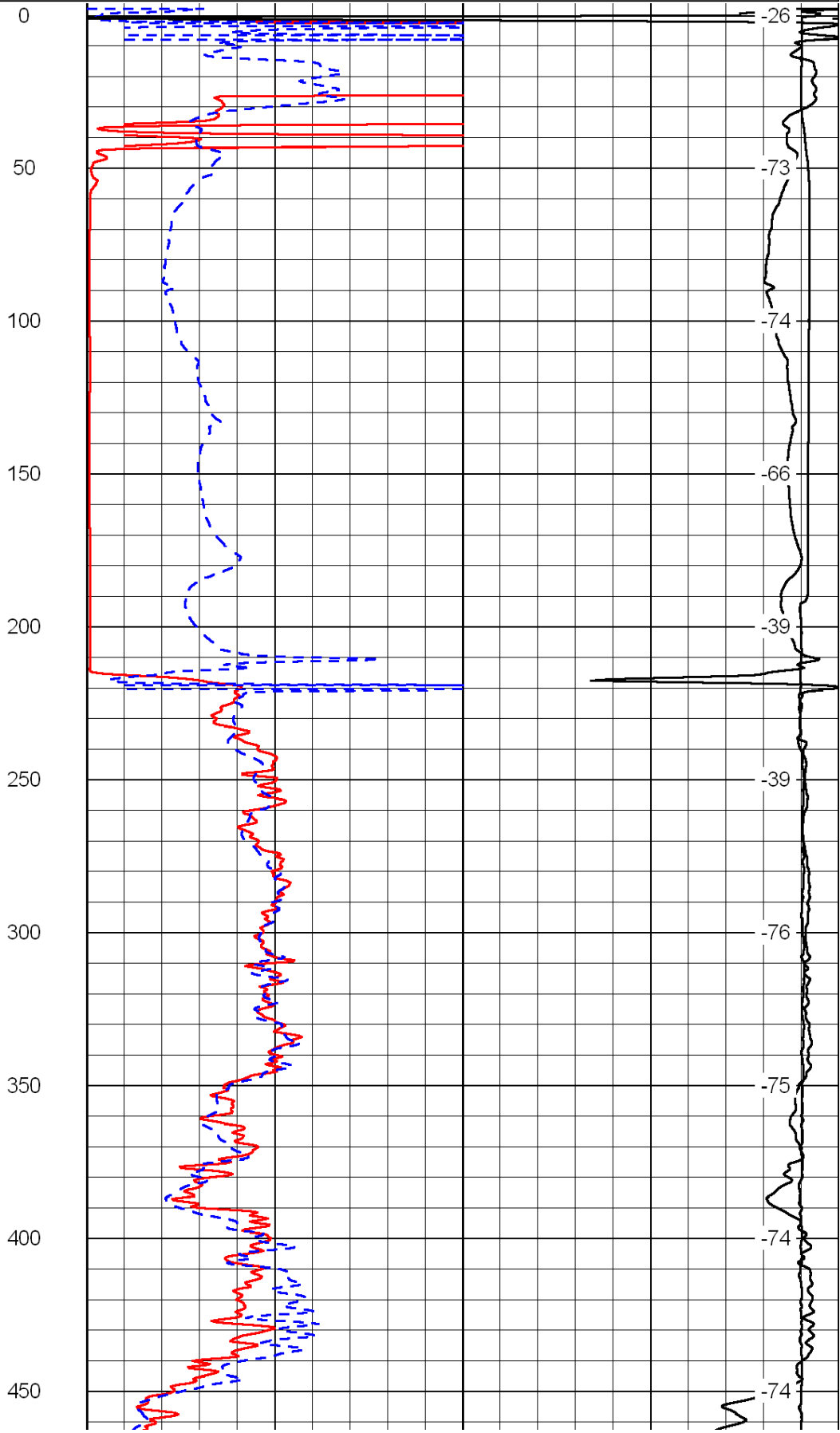
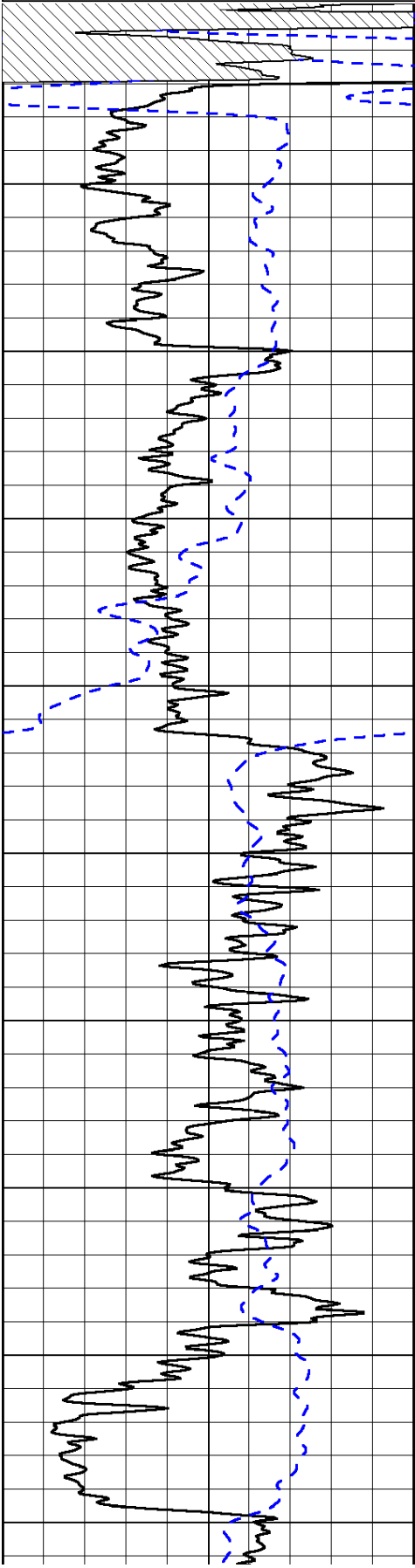
Thank you for using Log-Tech, Inc.
(785) 625-3858

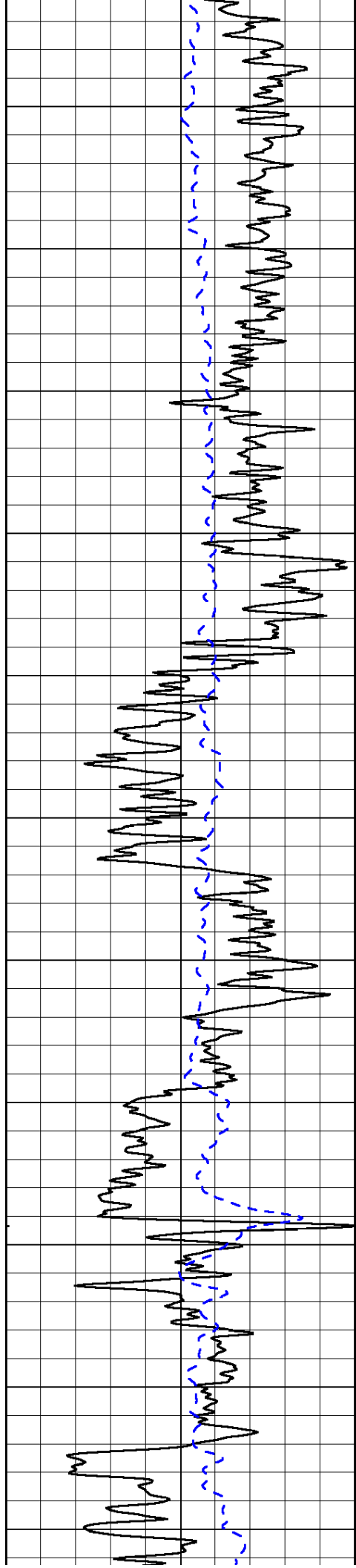
Voda Rd, 1/2 N, 1/2 E, N Into

Database File: c:\warrior\data\murfin_mussemann unit no.1-5\murfhd.db
Dataset Pathname: dil\mrfnstk
Presentation Format: dil2in
Dataset Creation: Mon Aug 16 19:42:49 2010
Charted by: Depth in Feet scaled 1:600

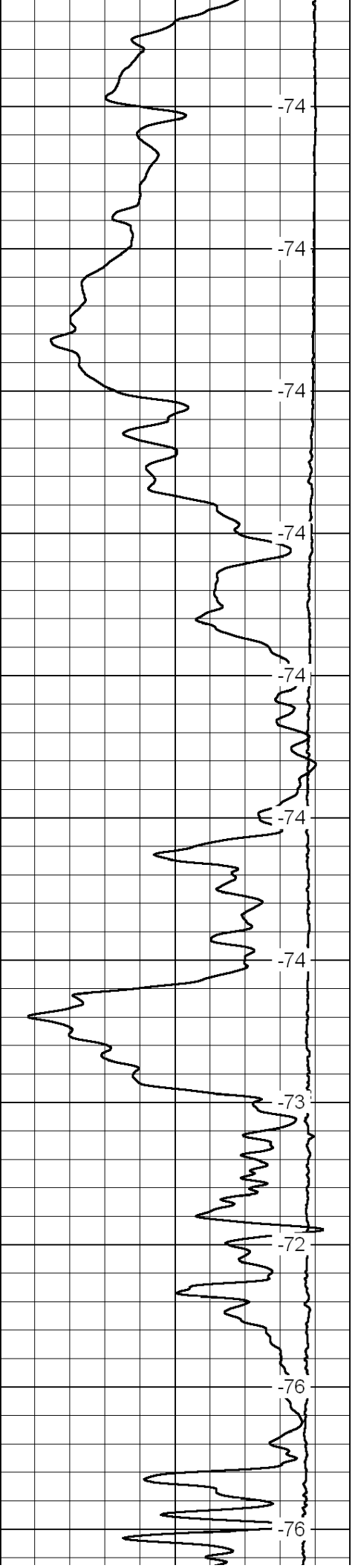
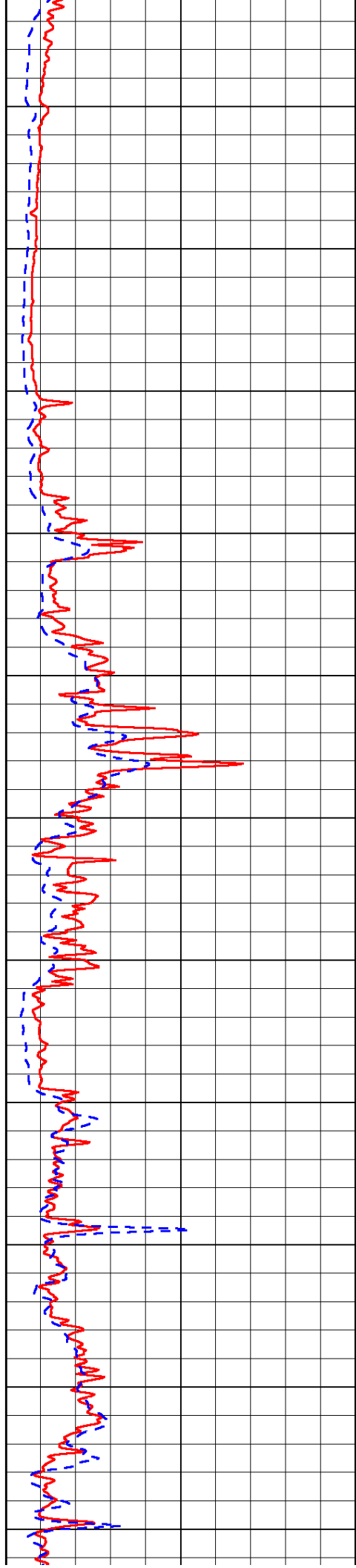
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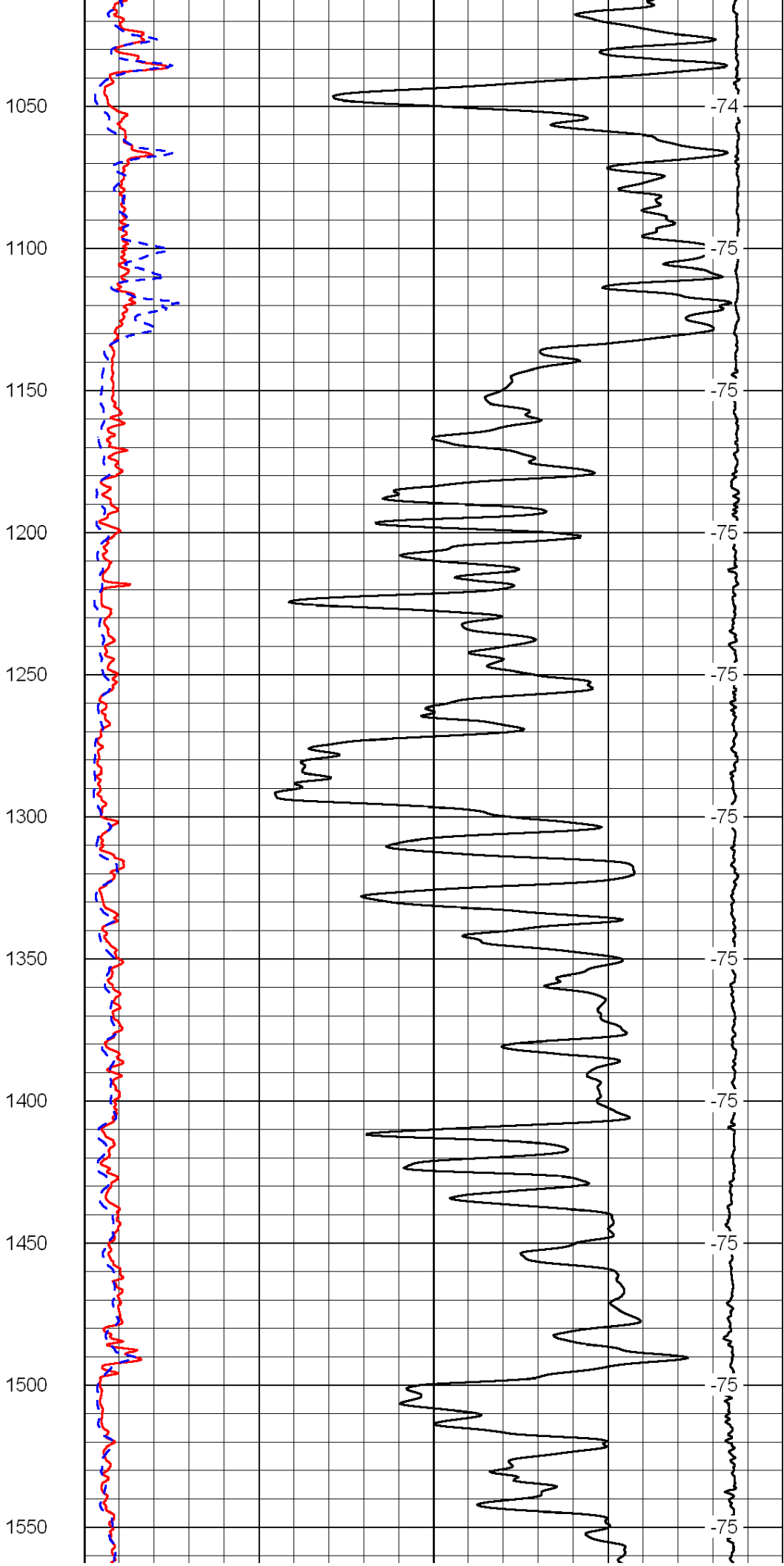
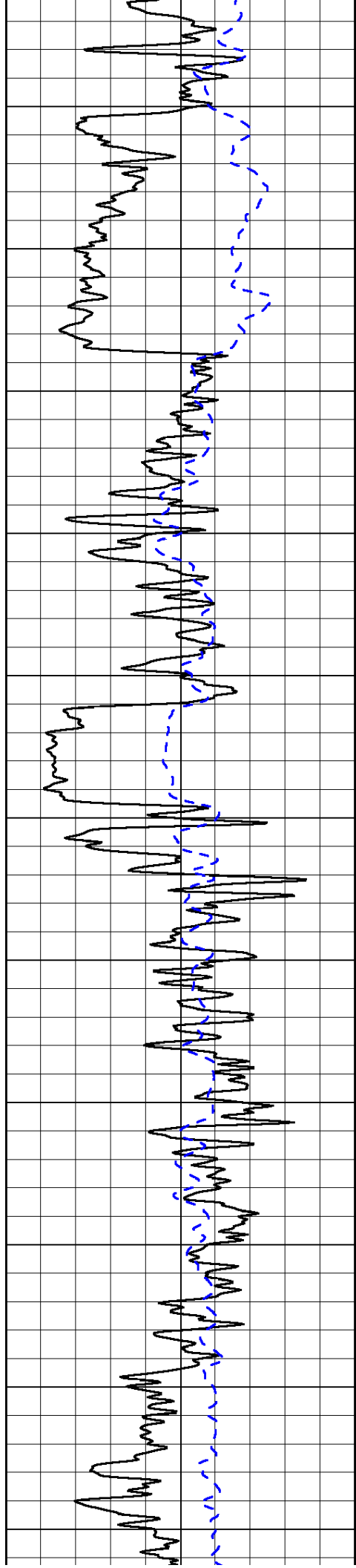
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

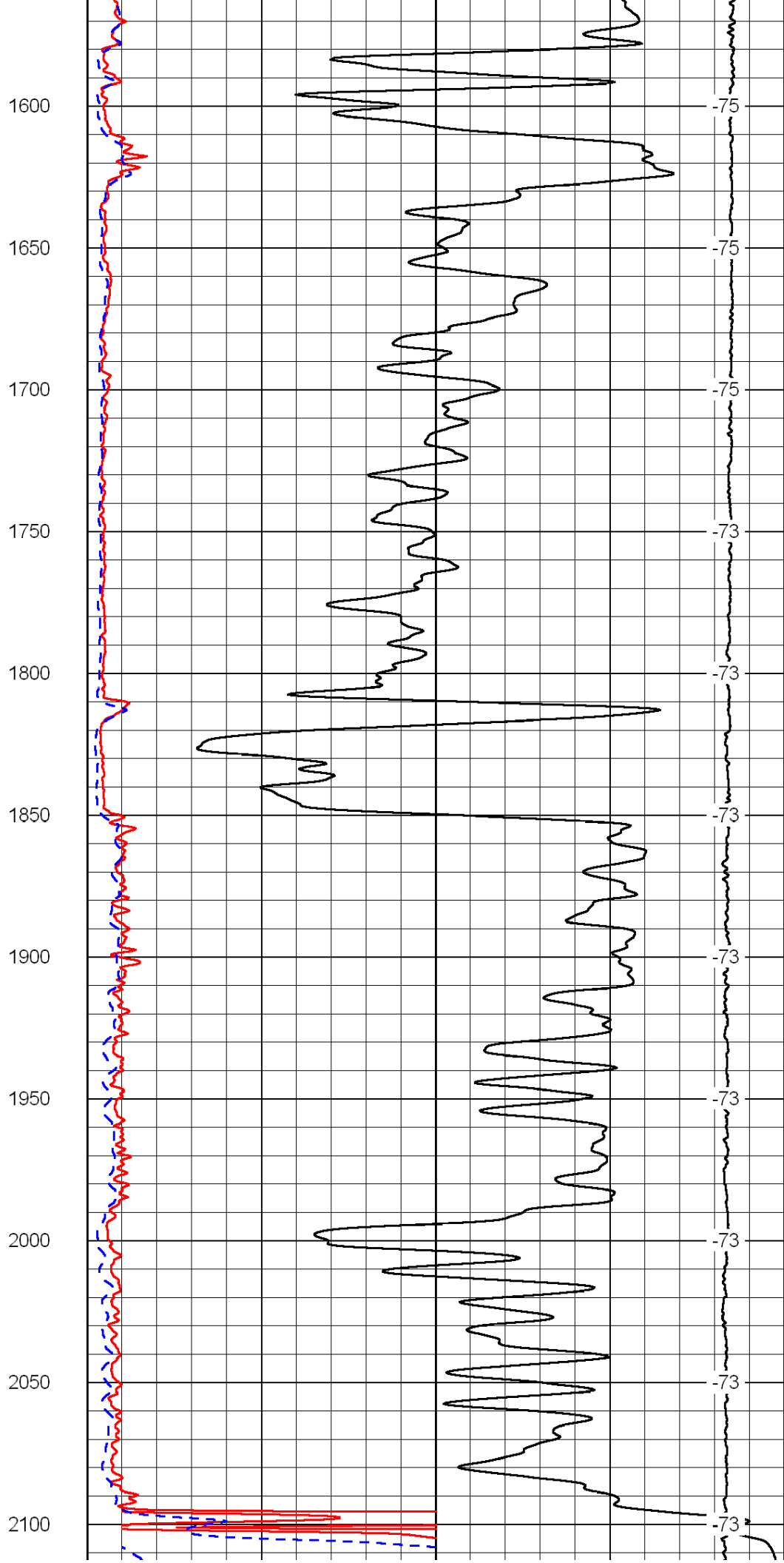
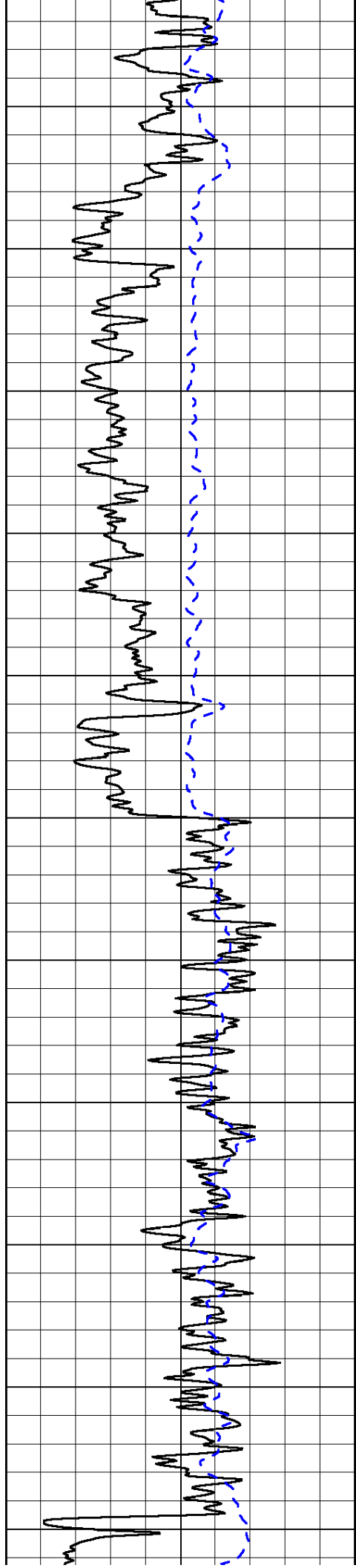


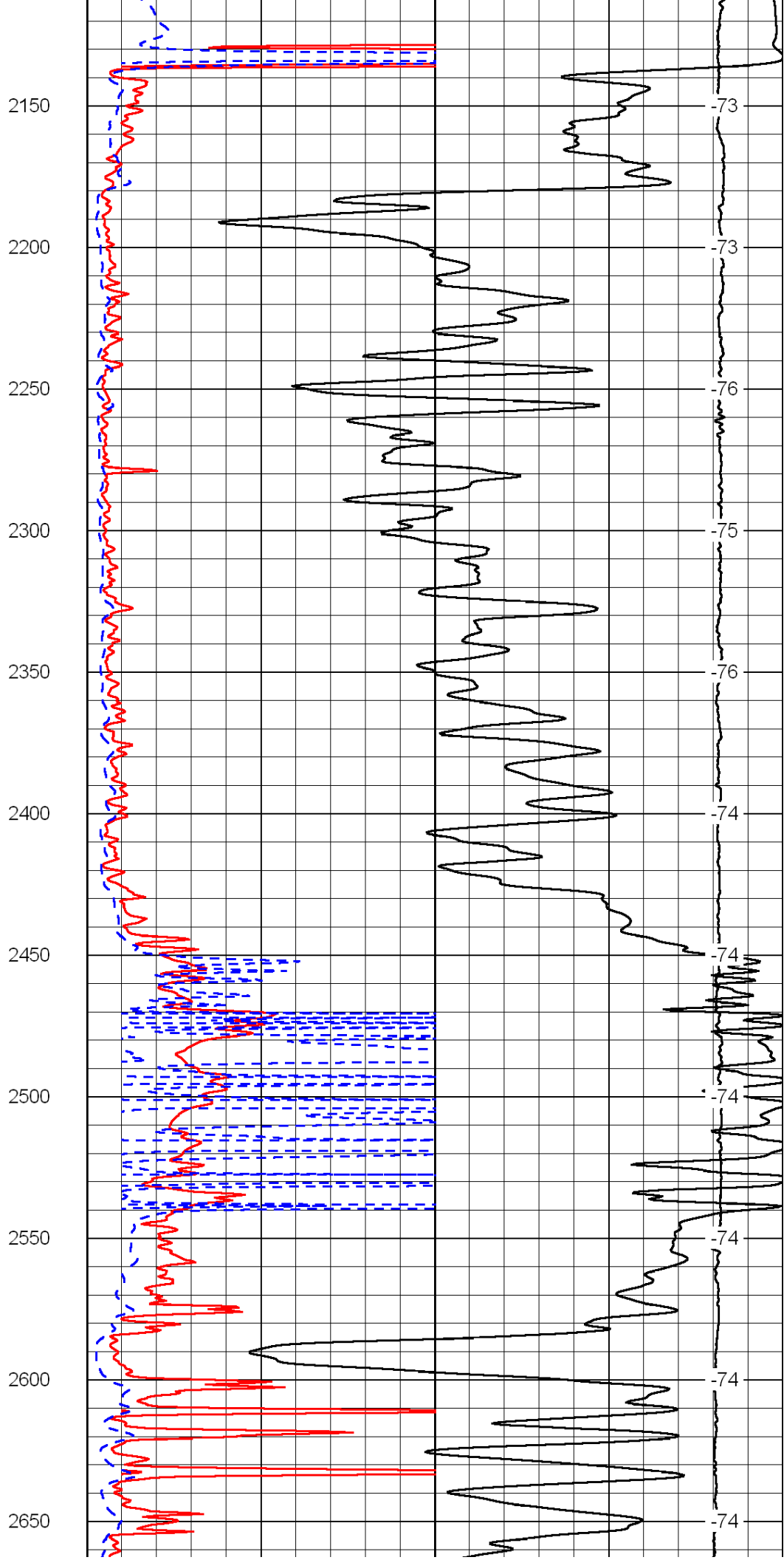
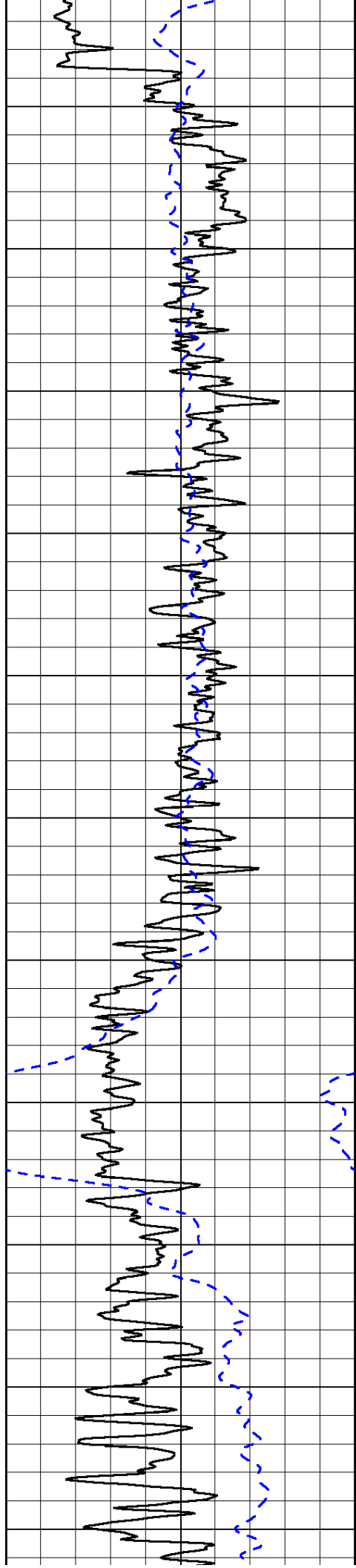


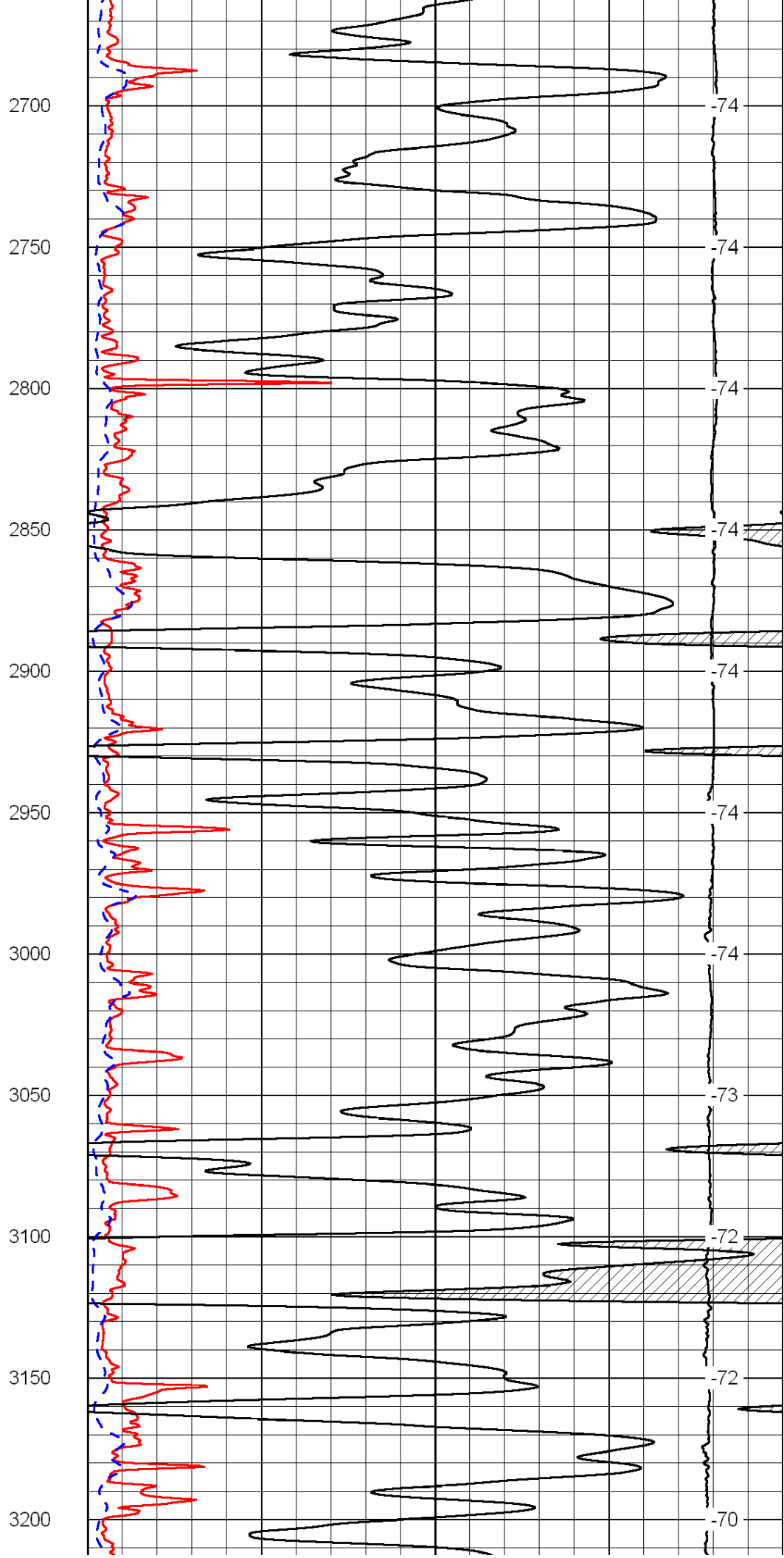
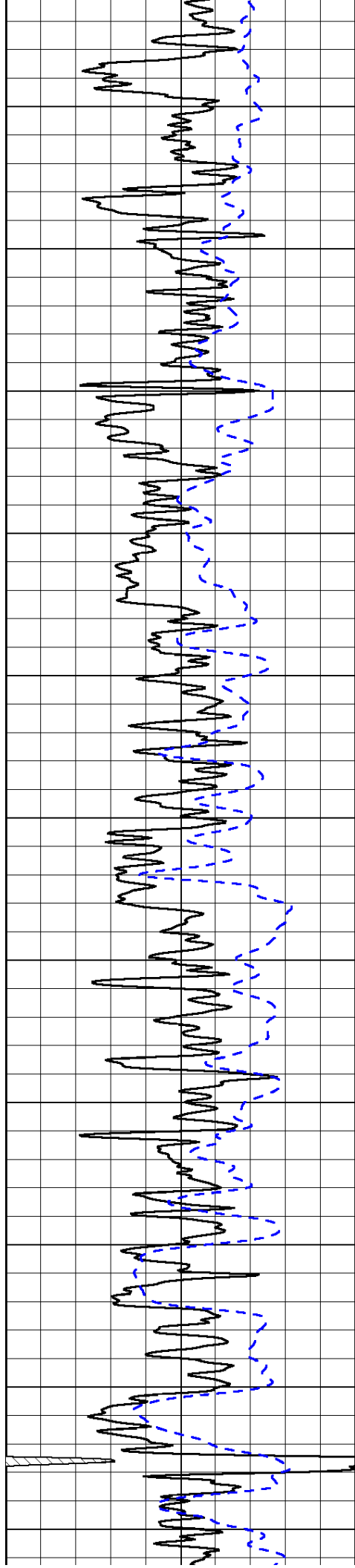
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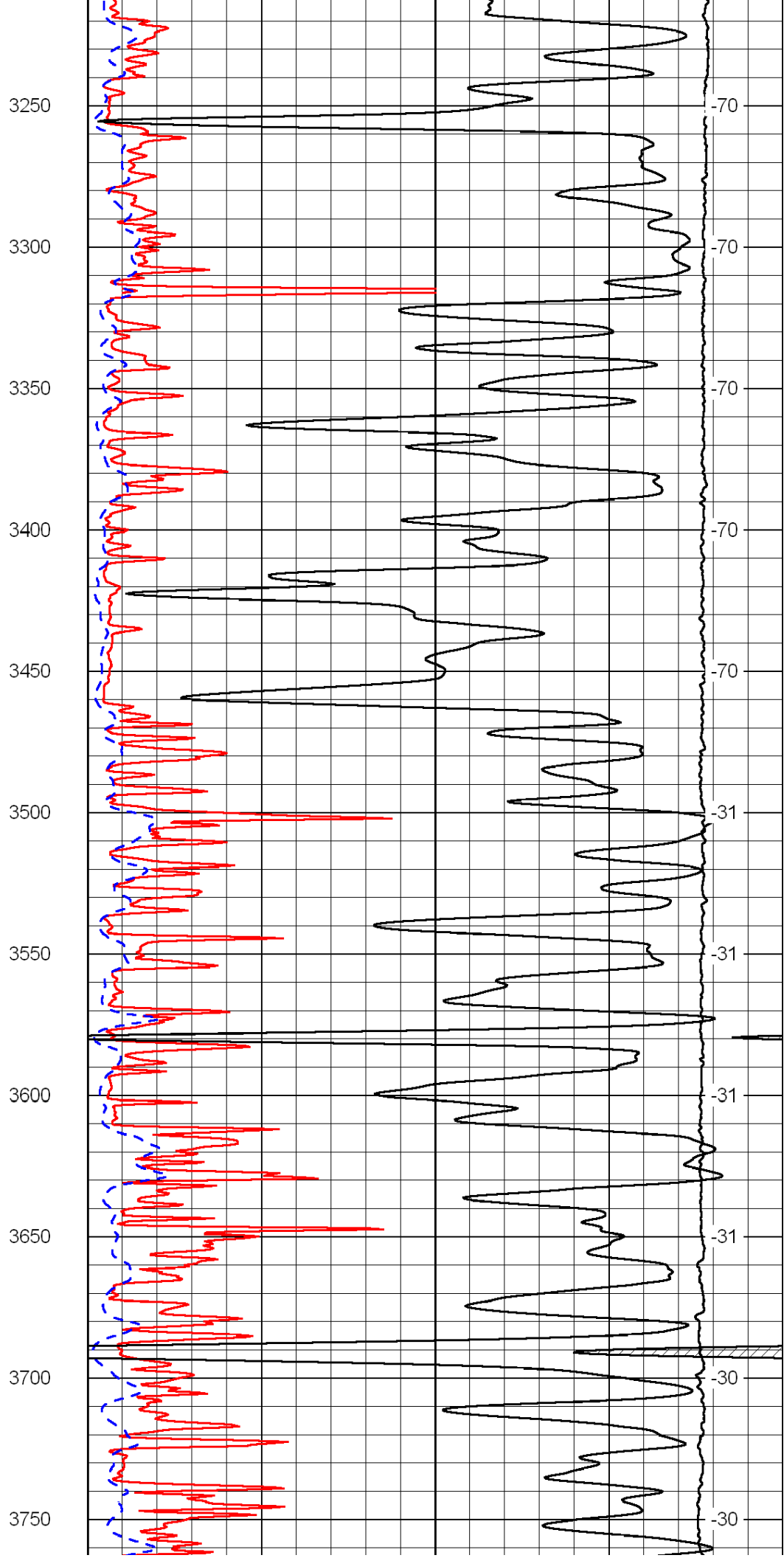
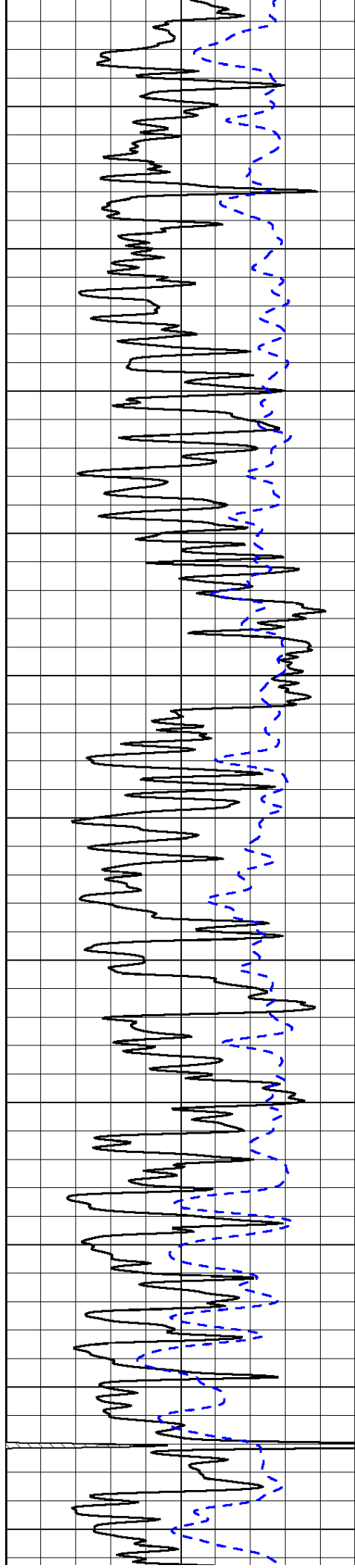


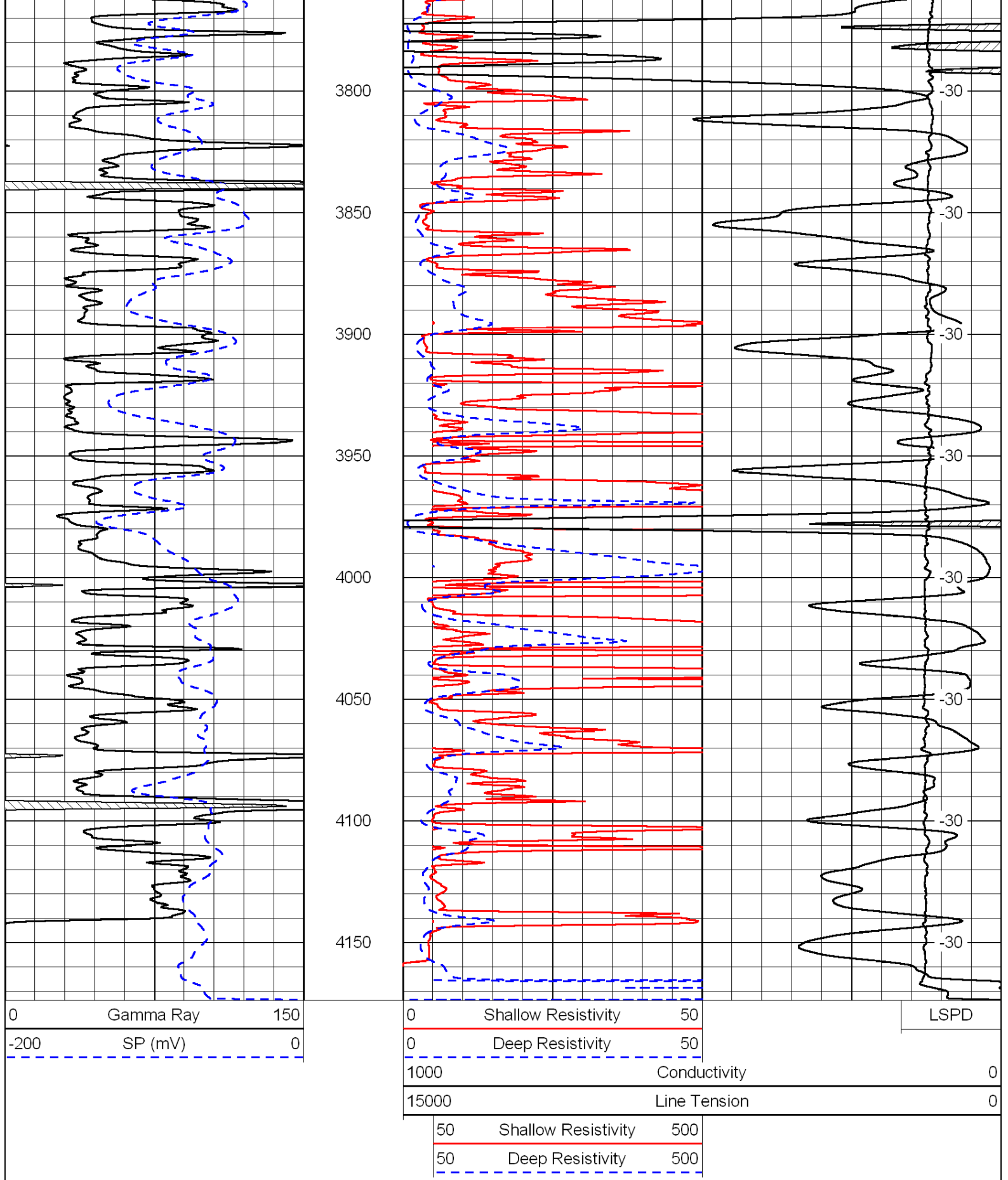










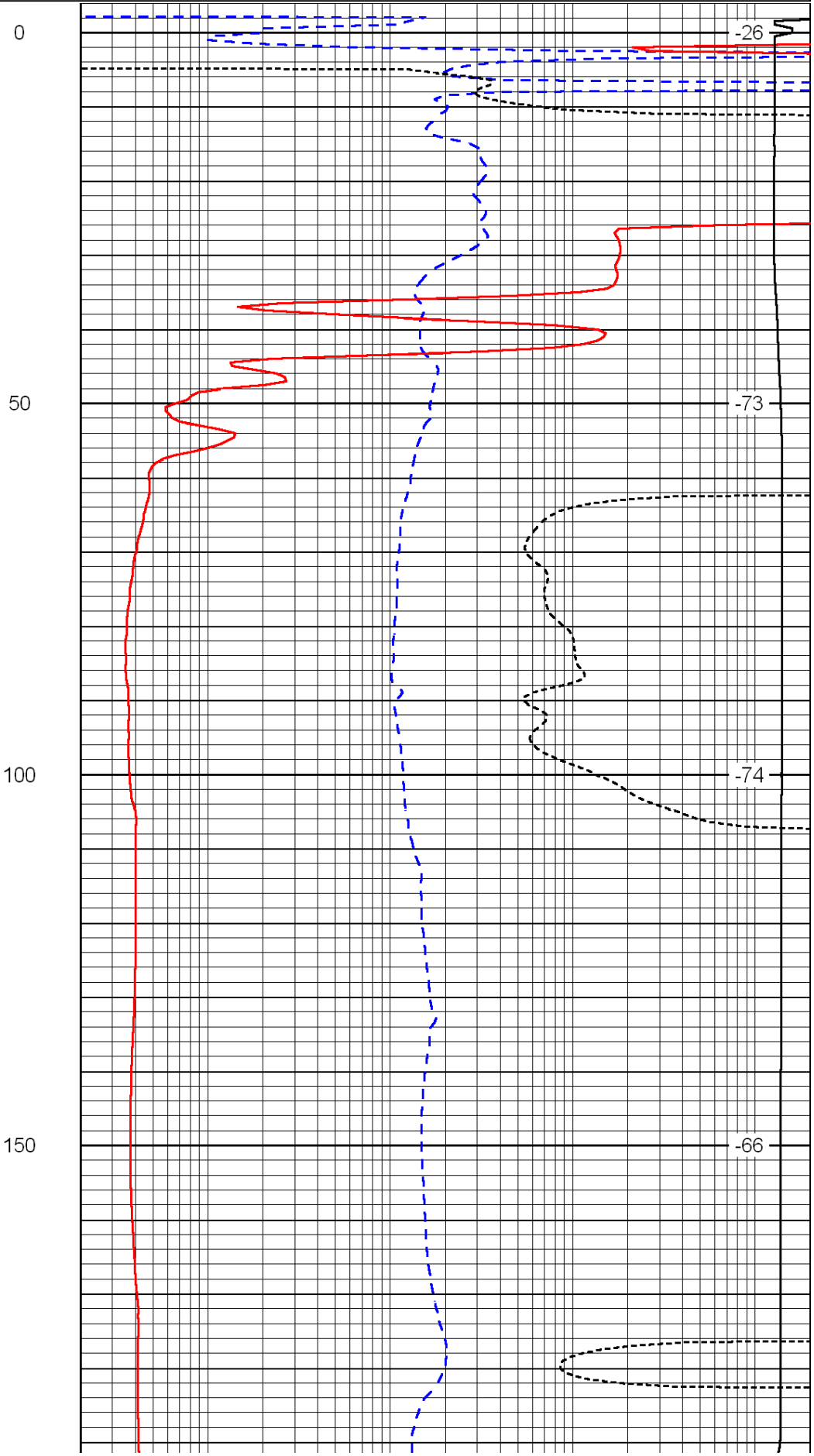
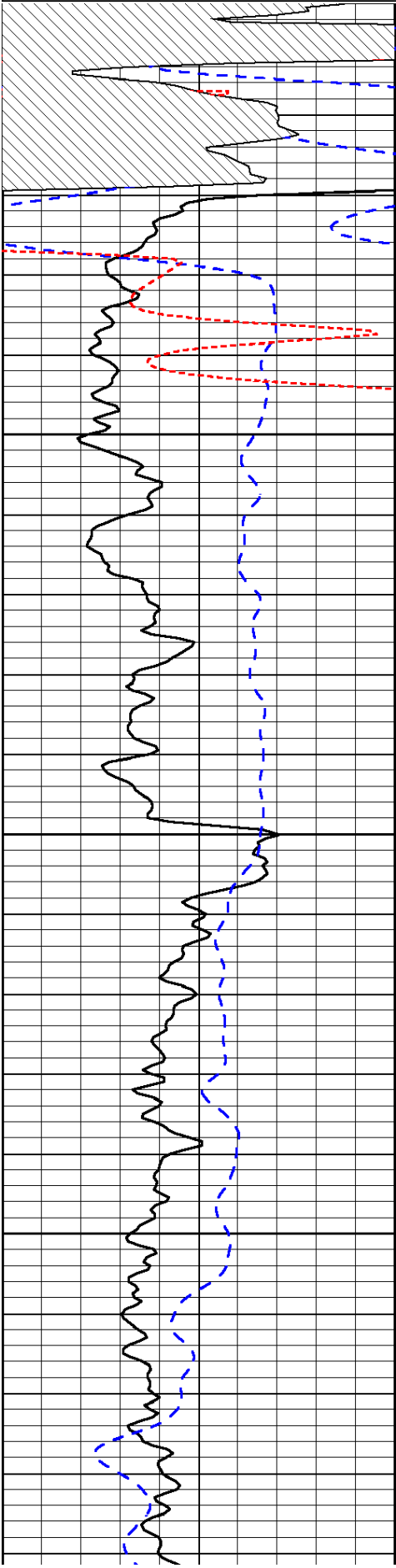


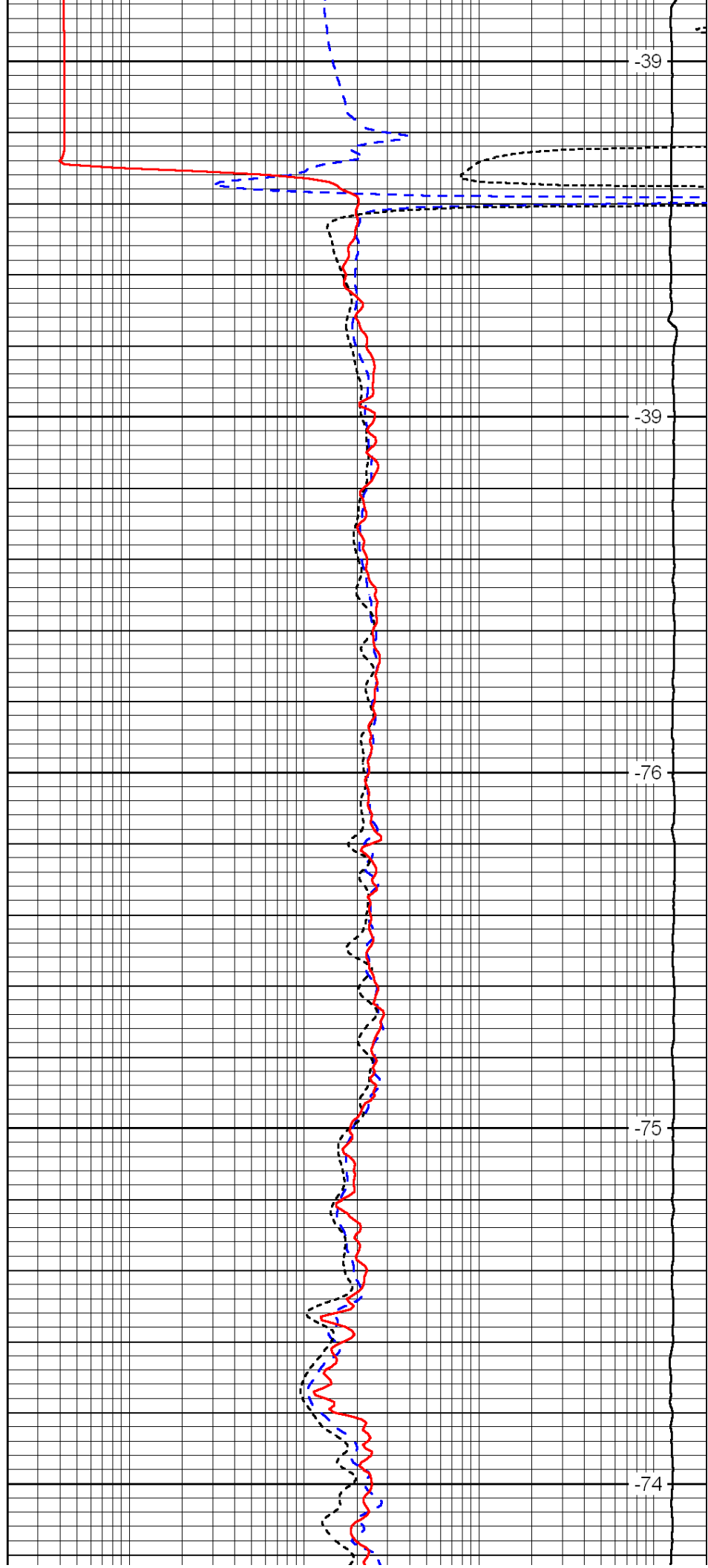
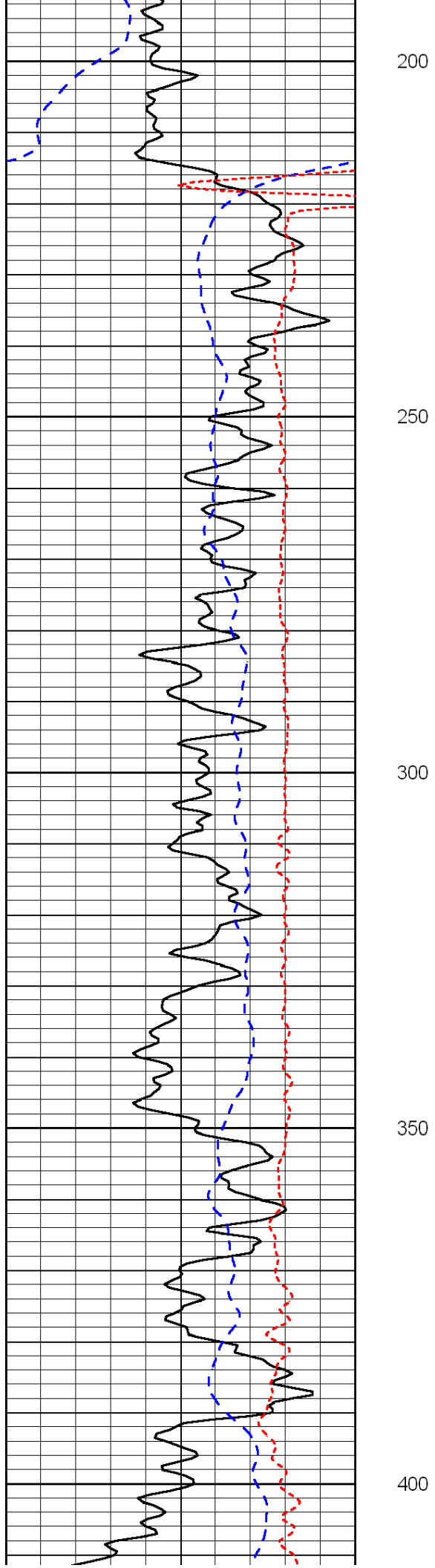
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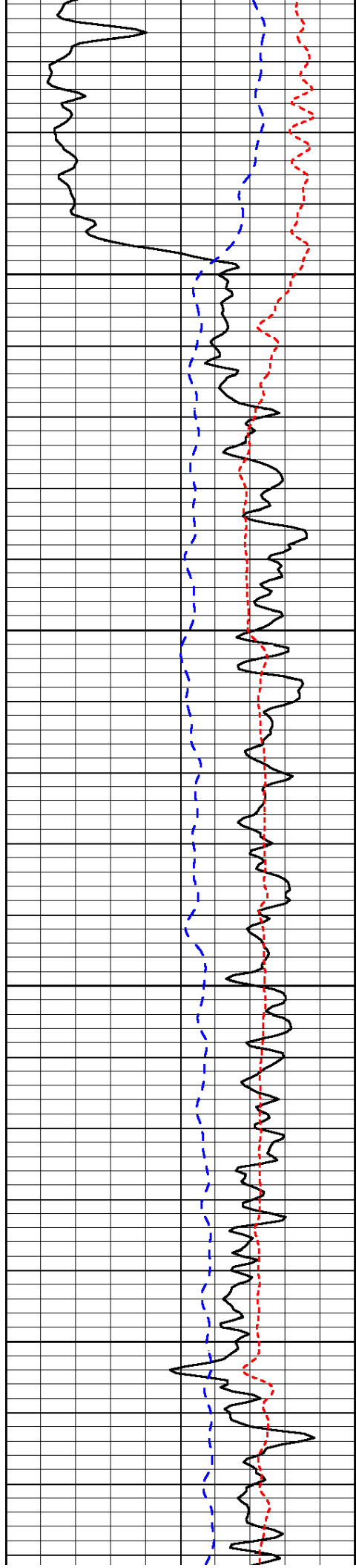
0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD





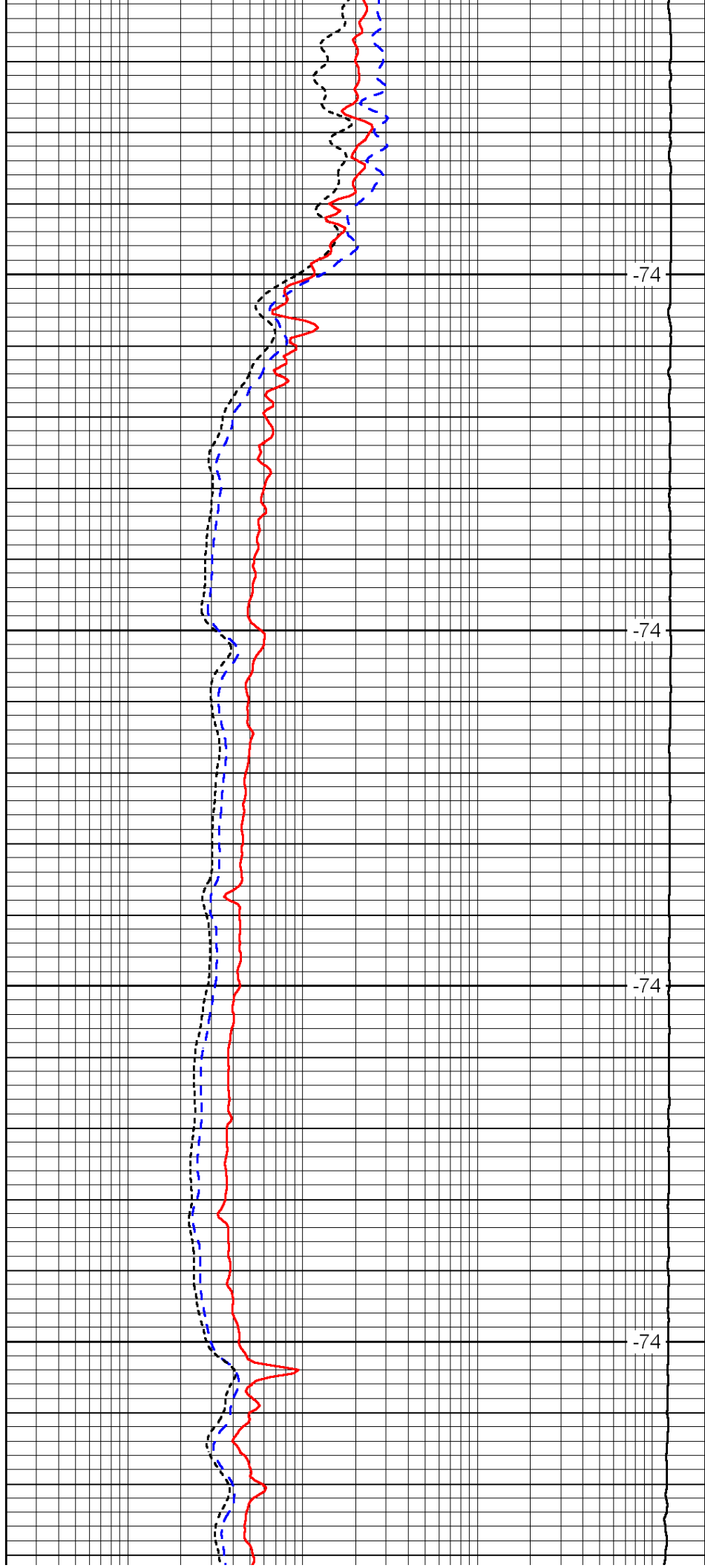


450

500

550

600

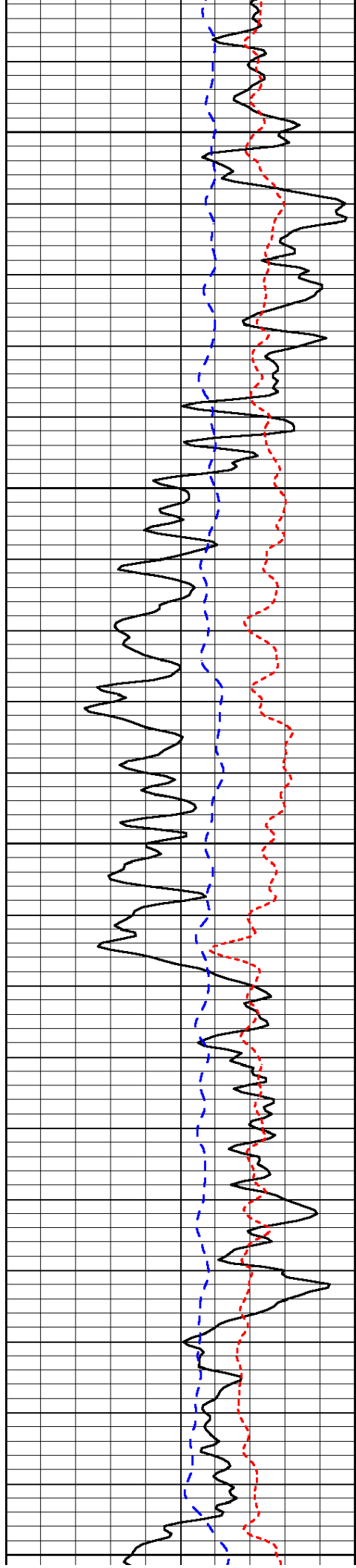


-74

-74

-74

-74



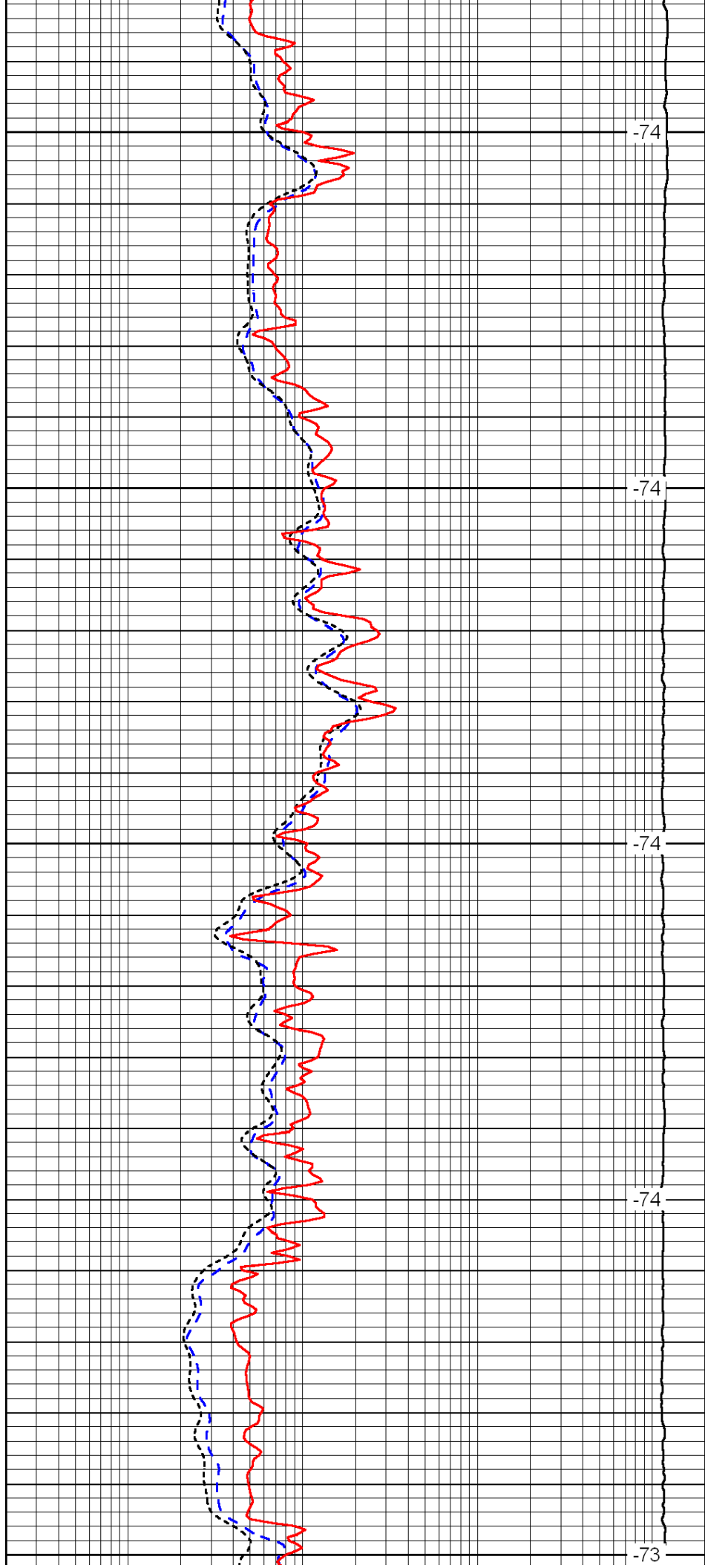
650

700

750

800

850



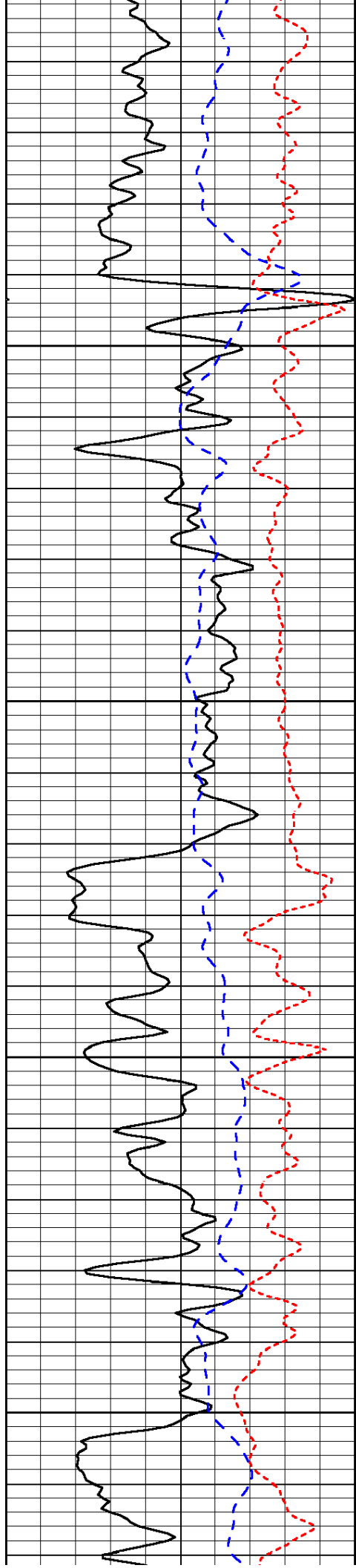
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-74

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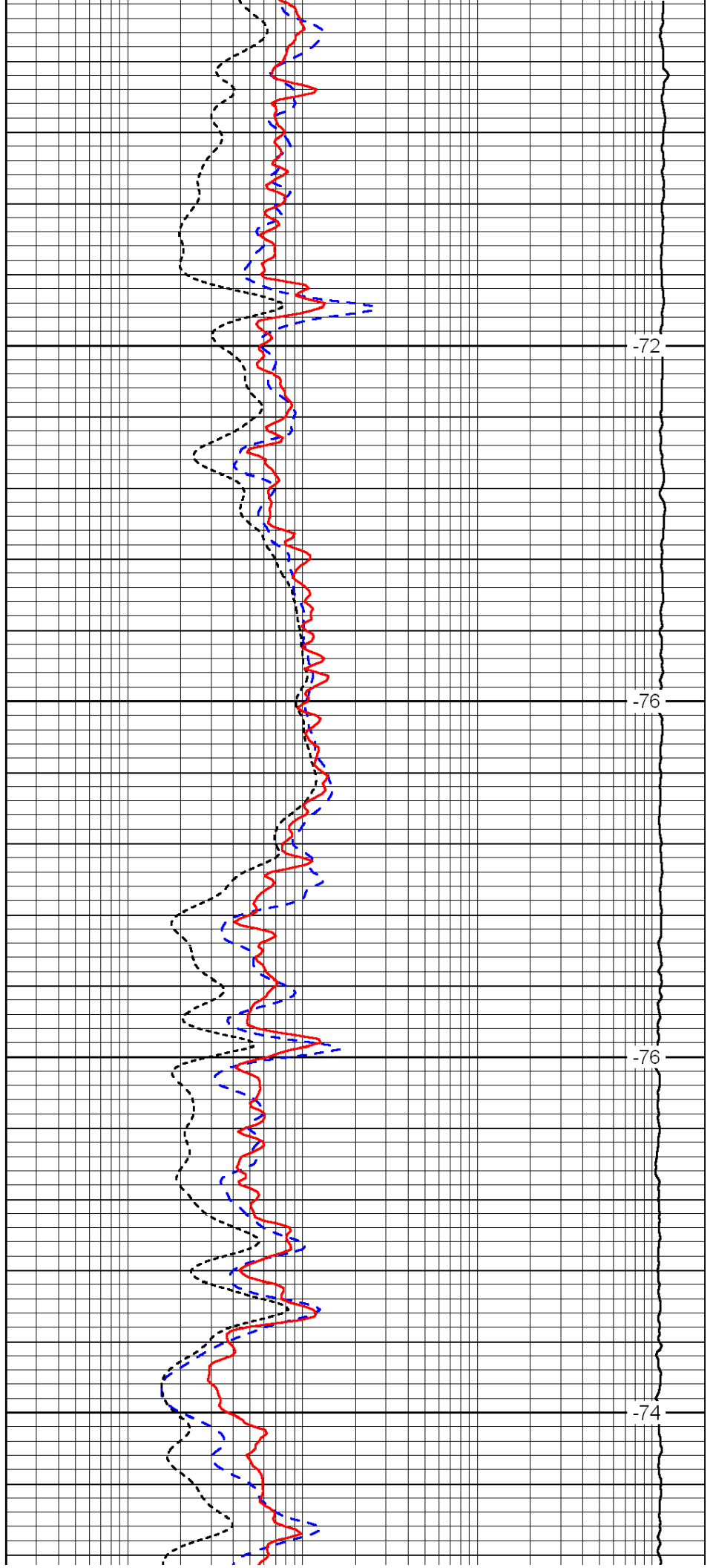


900

950

1000

1050

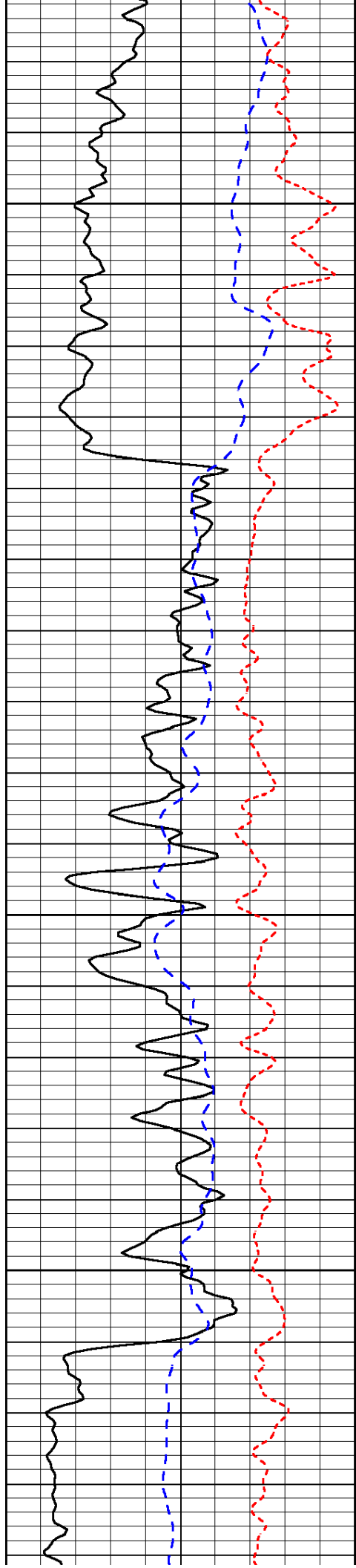


-72

-76

-76

-74

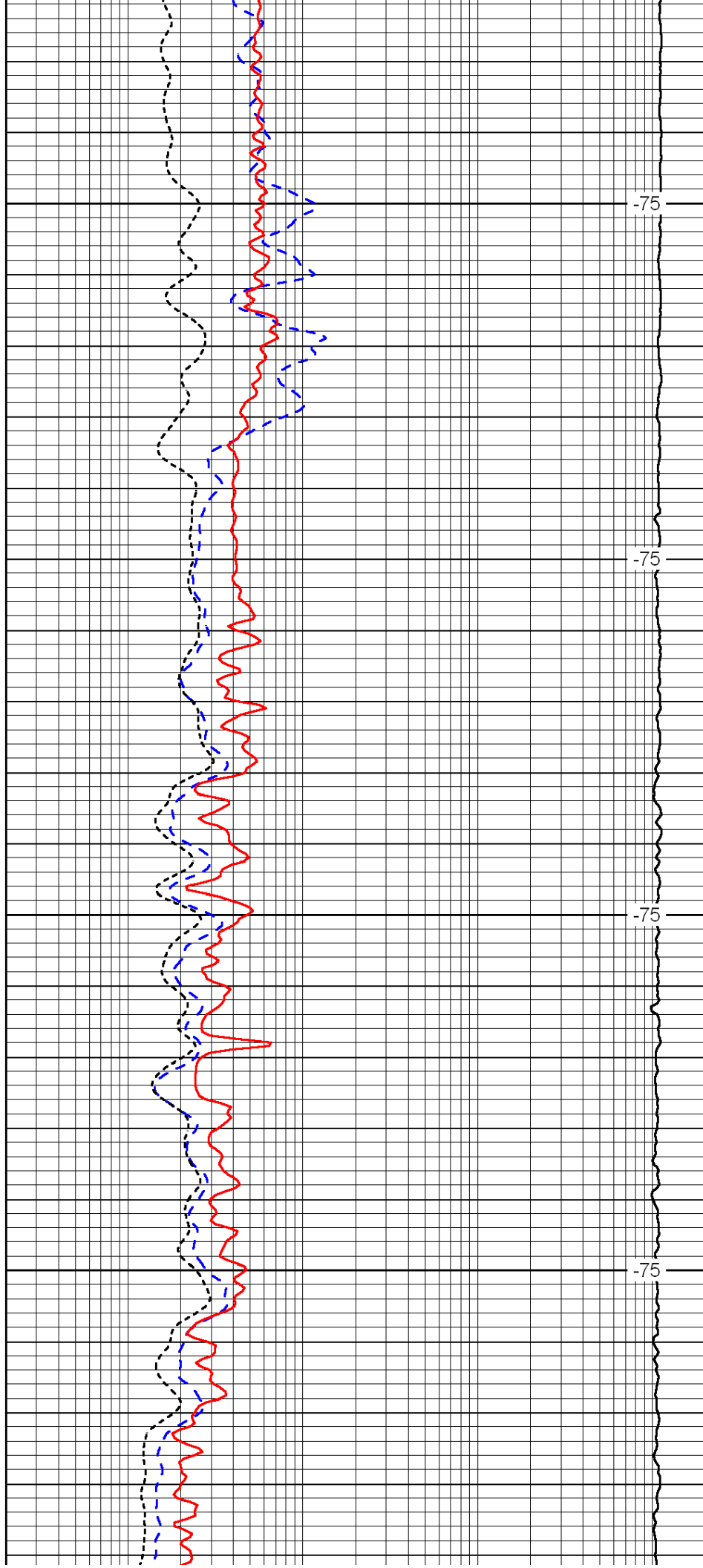


1100

1150

1200

1250

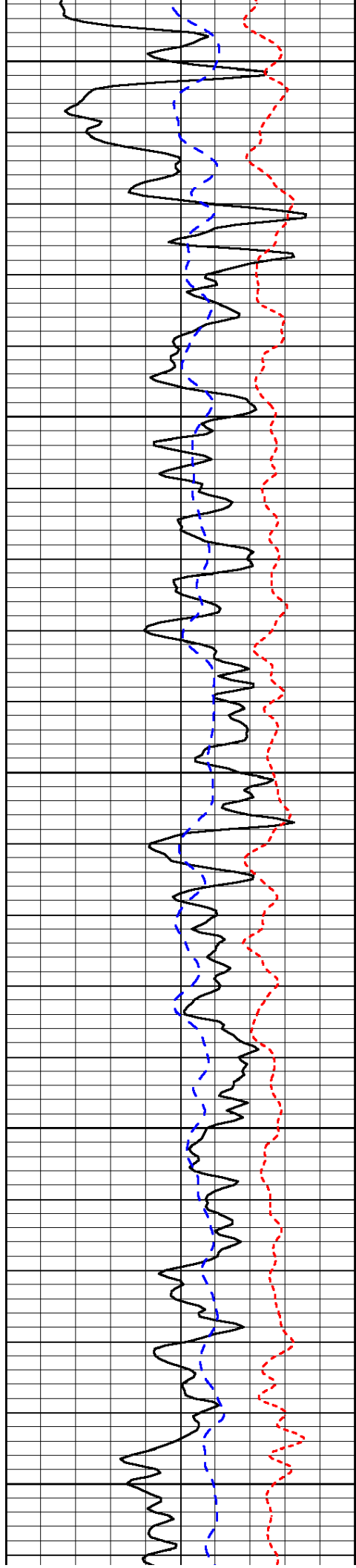


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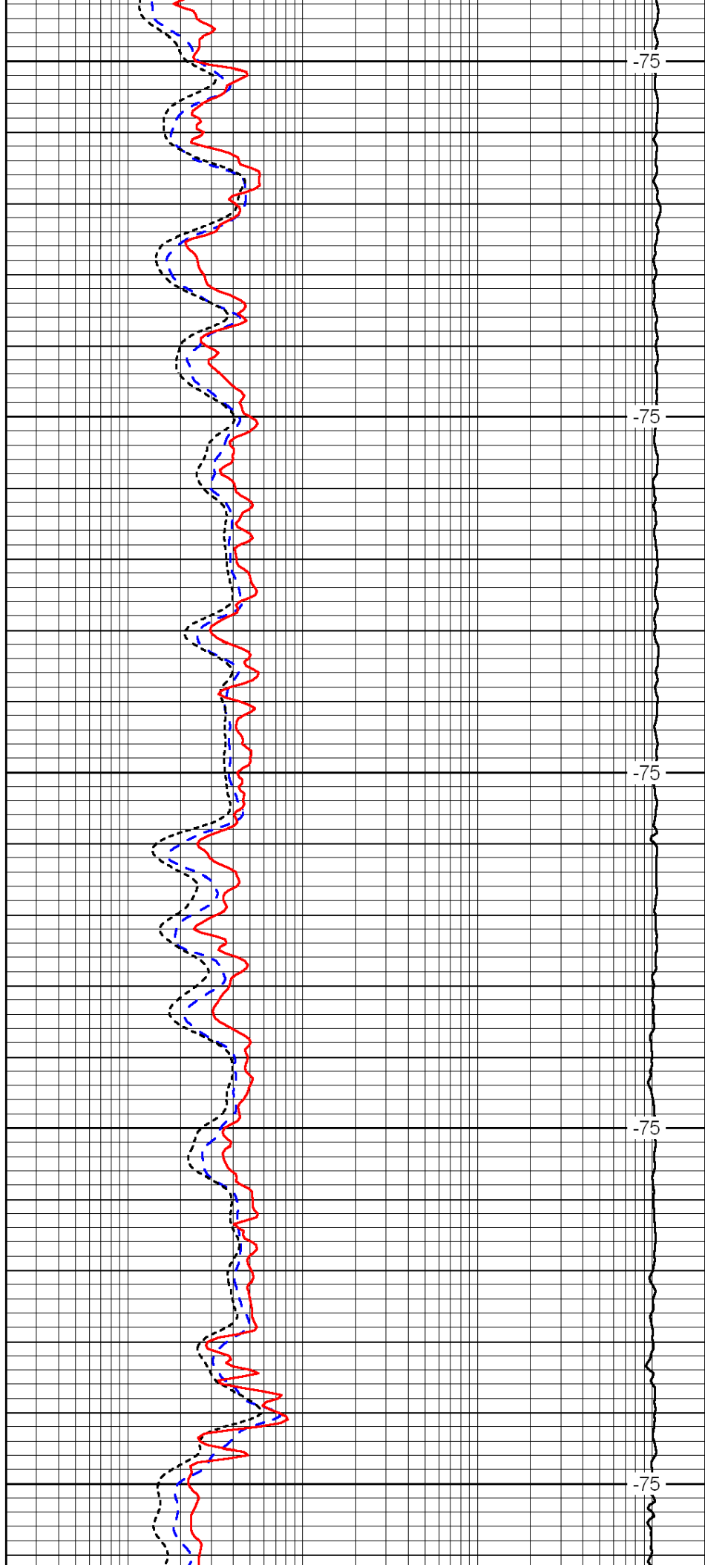
1300

1350

1400

1450

1500



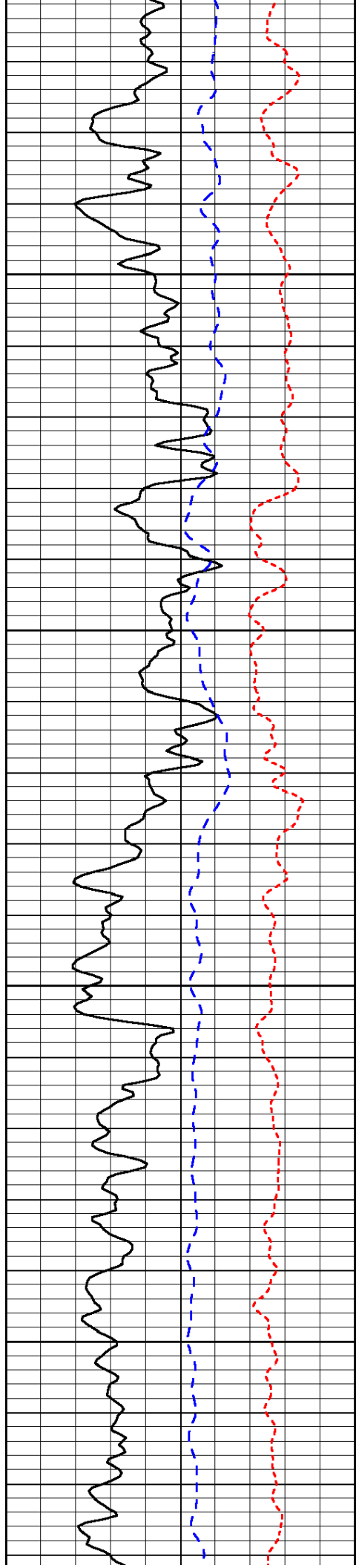
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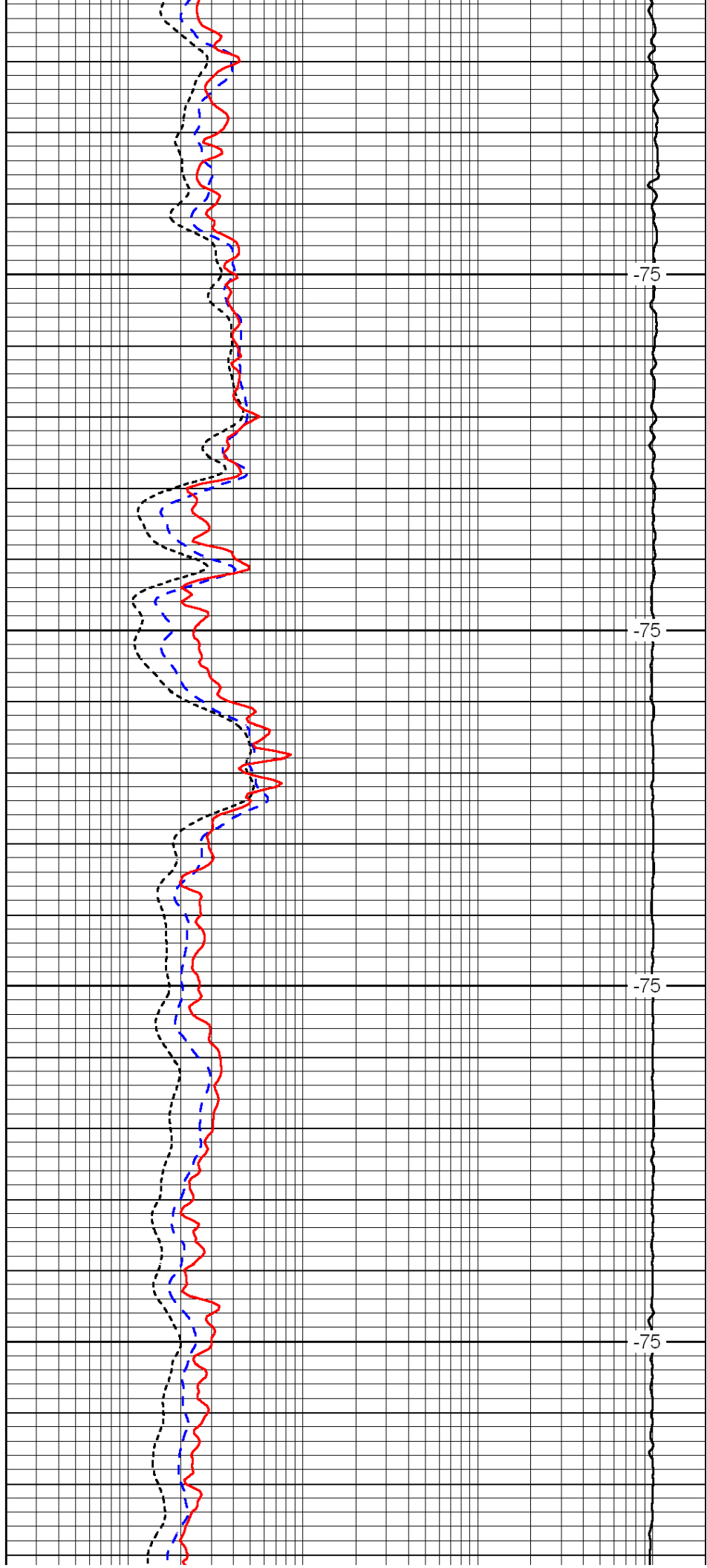


1550

1600

1650

1700

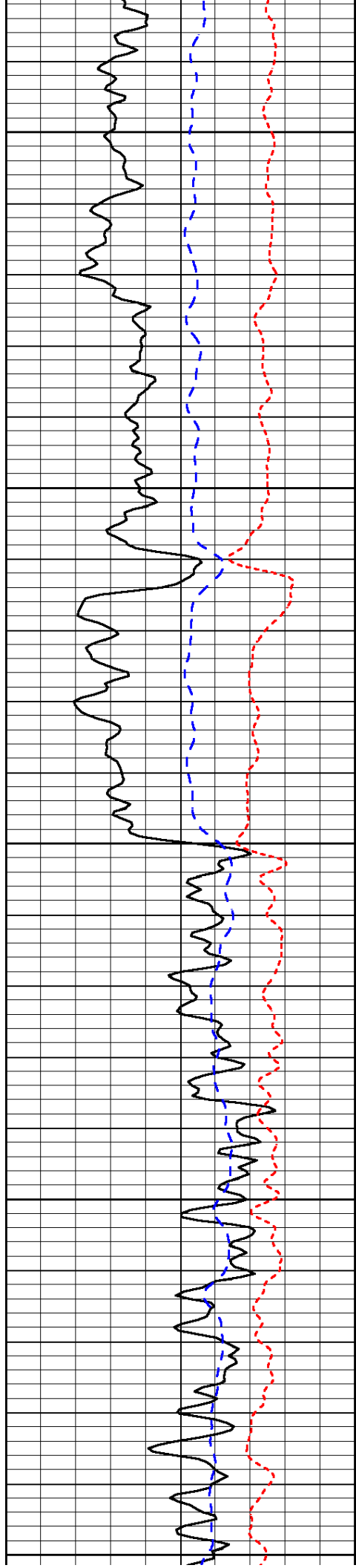


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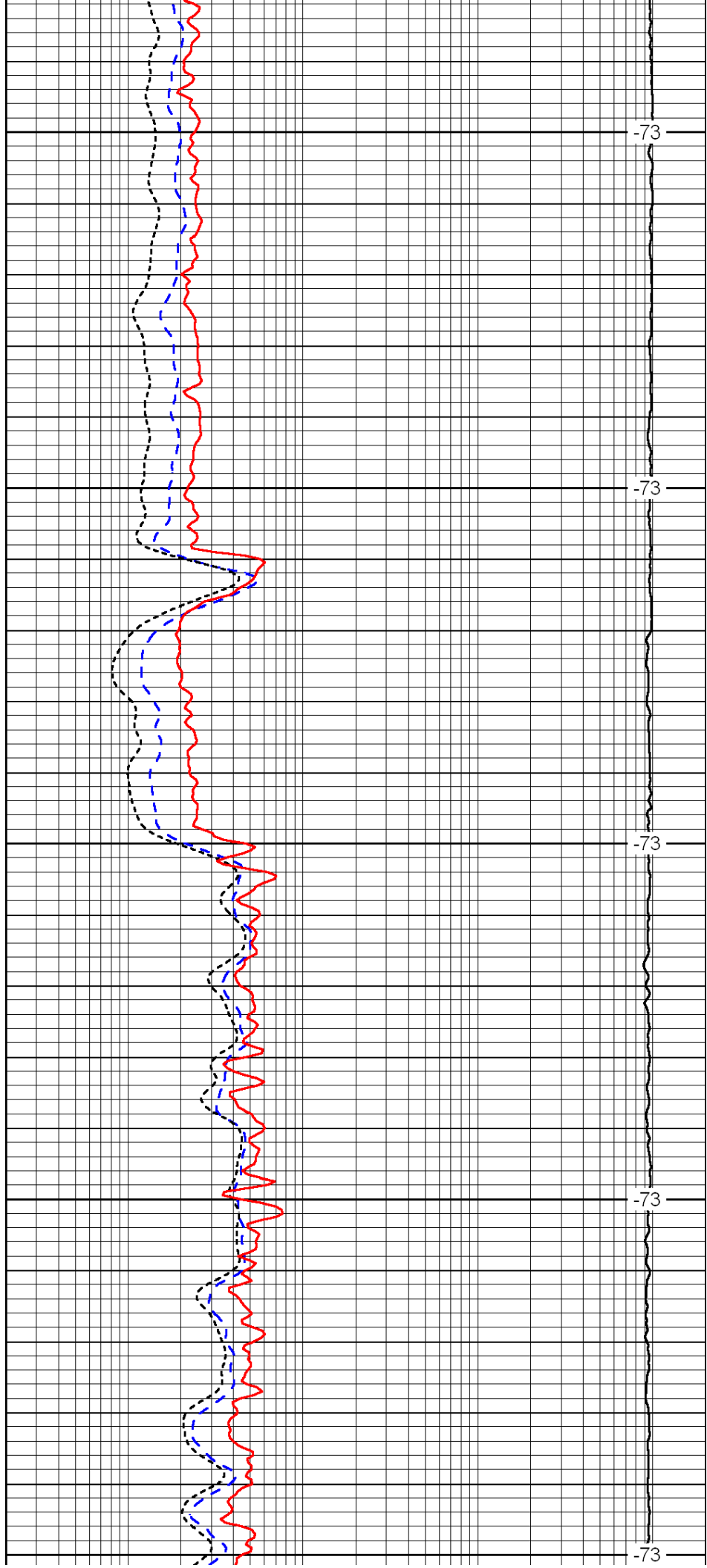
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1800

1850

1900

1950



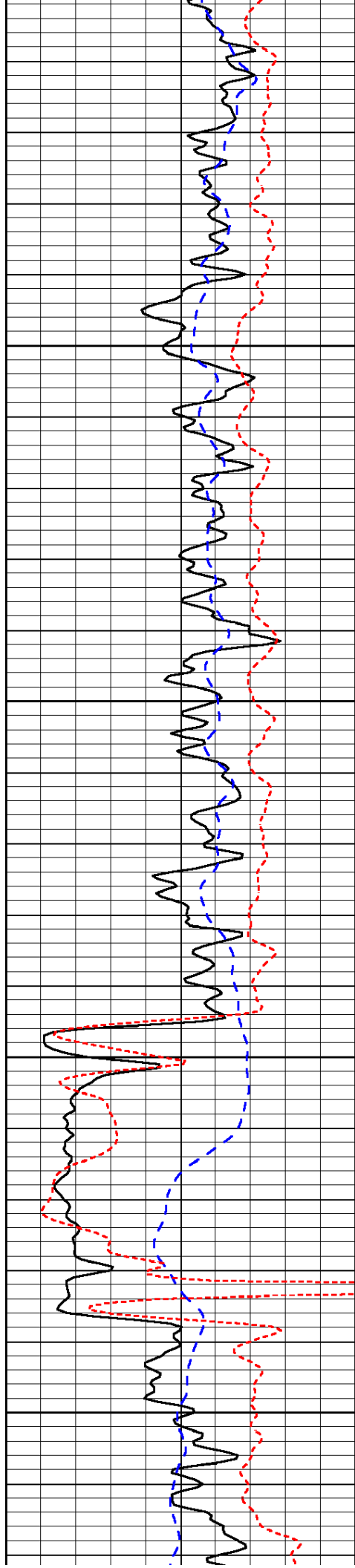
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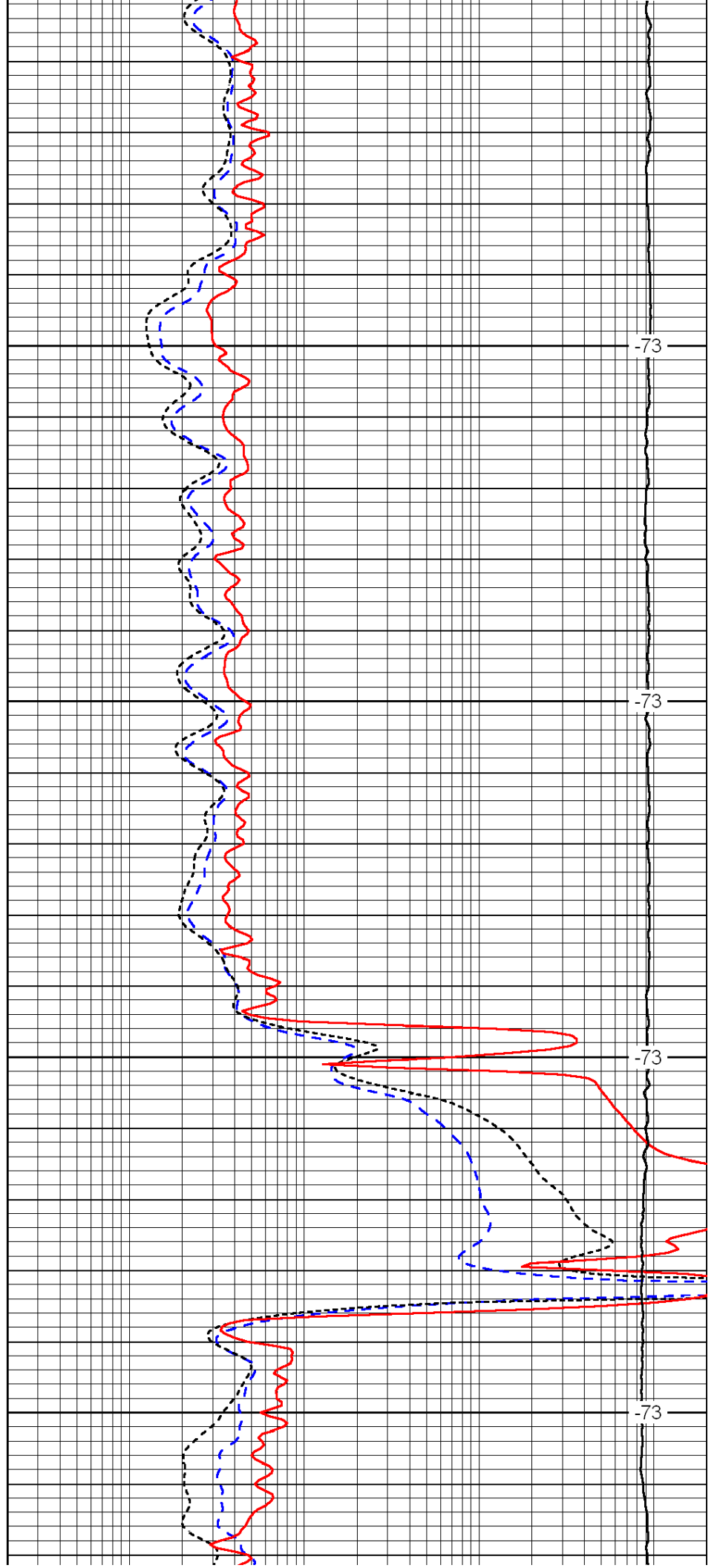


2000

2050

2100

2150

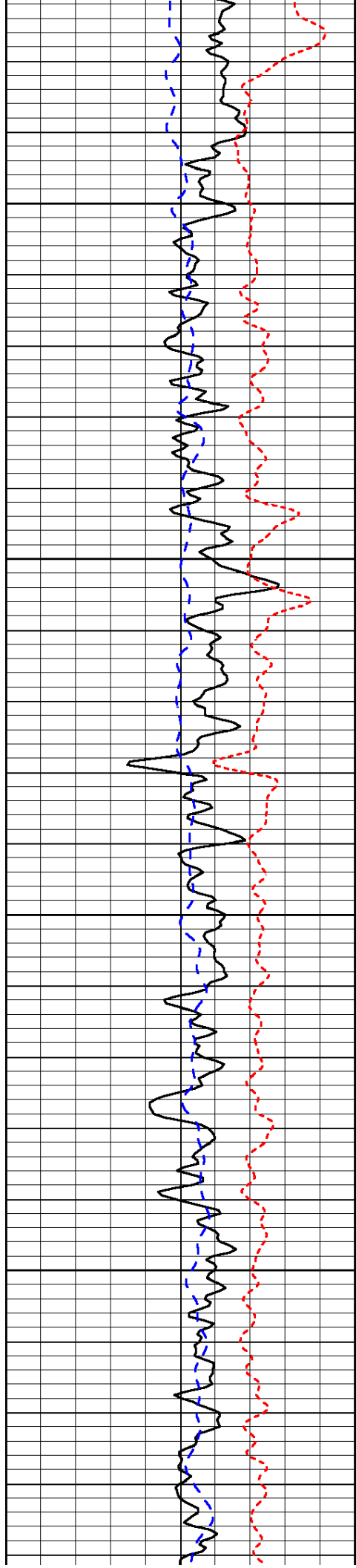


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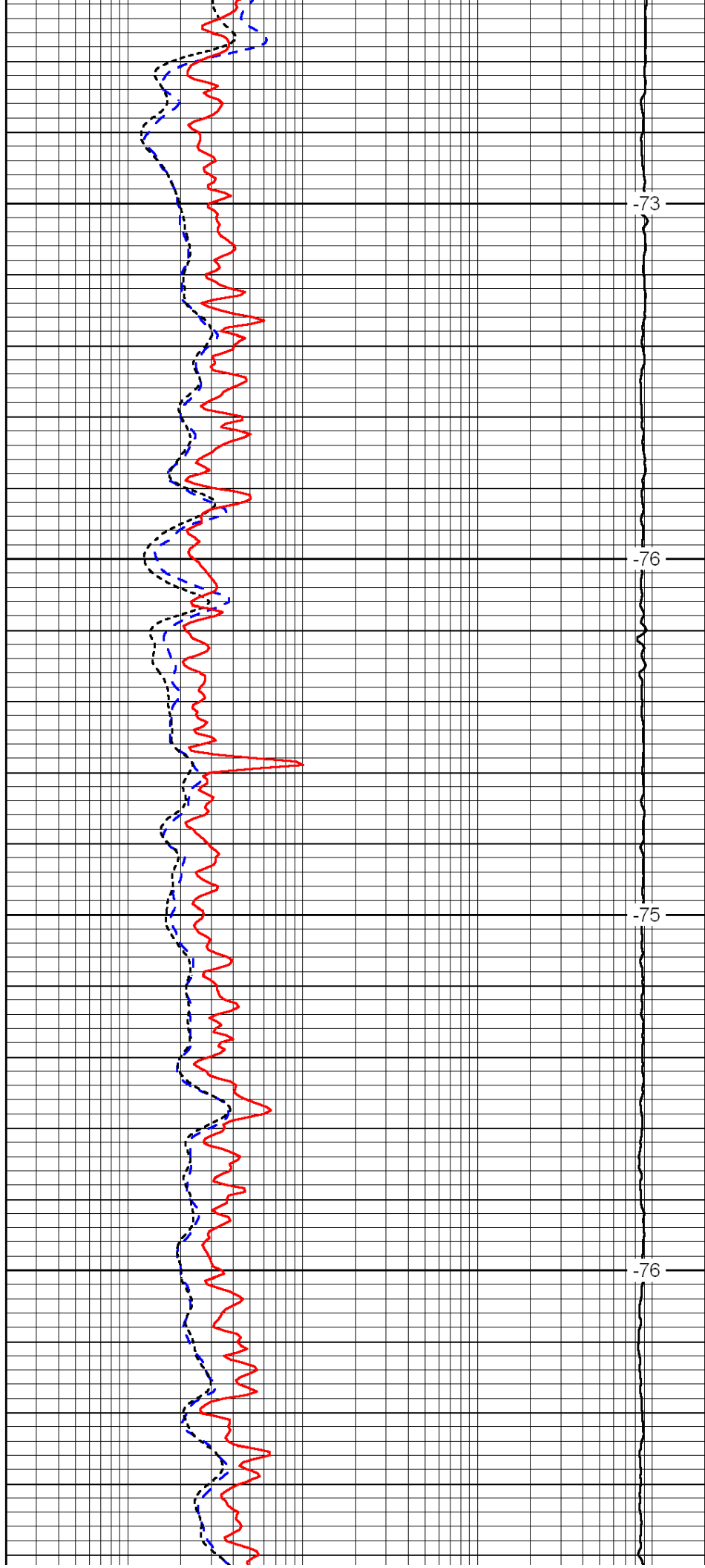


2200

2250

2300

2350

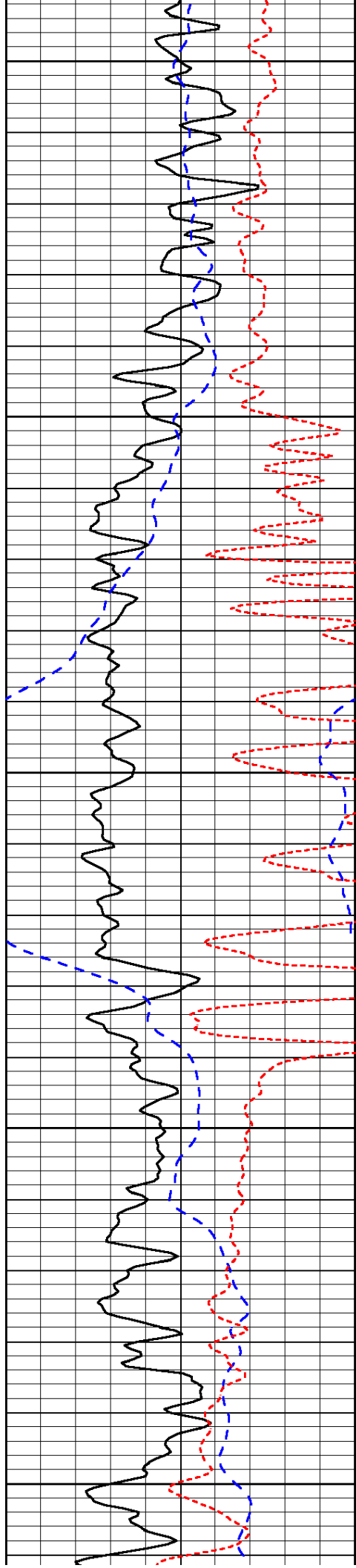


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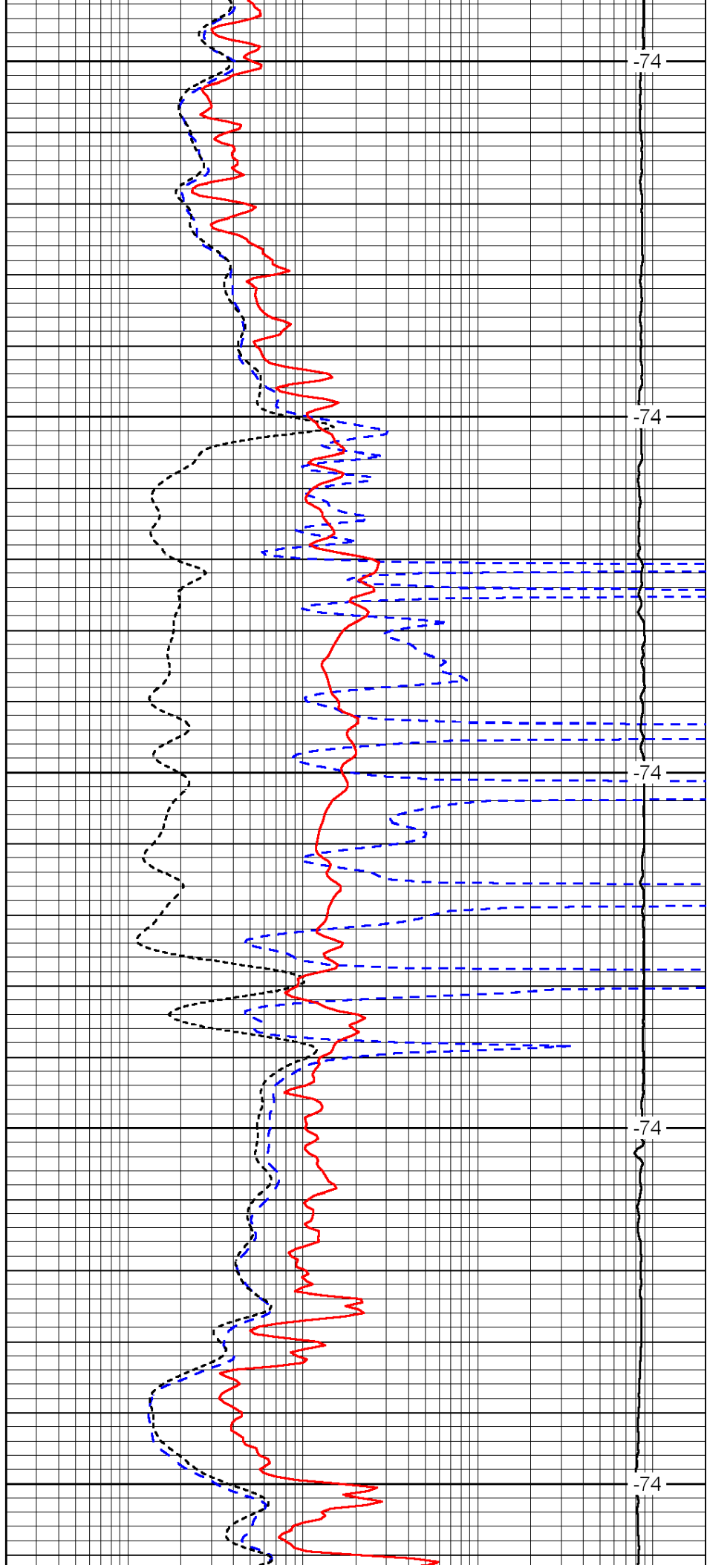
2400

2450

2500

2550

2600



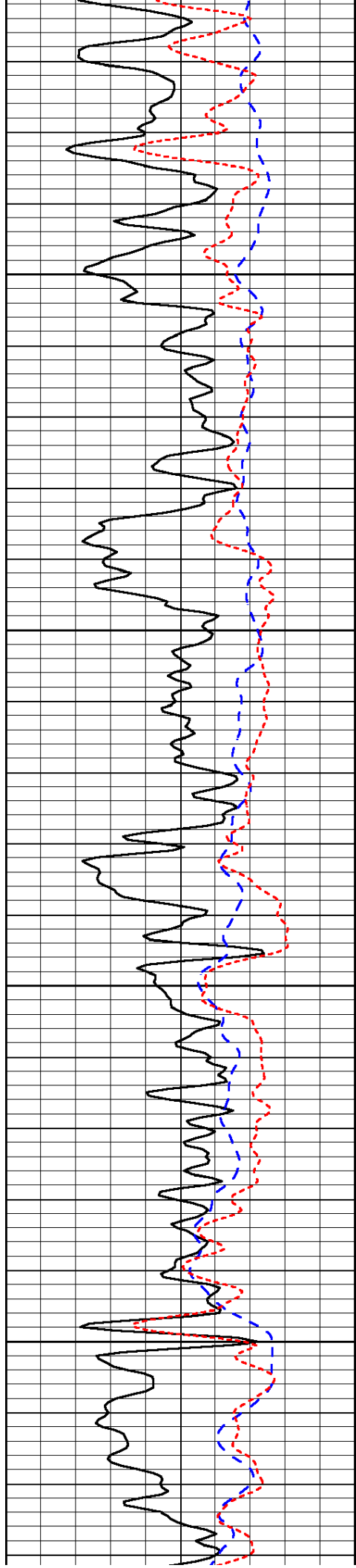
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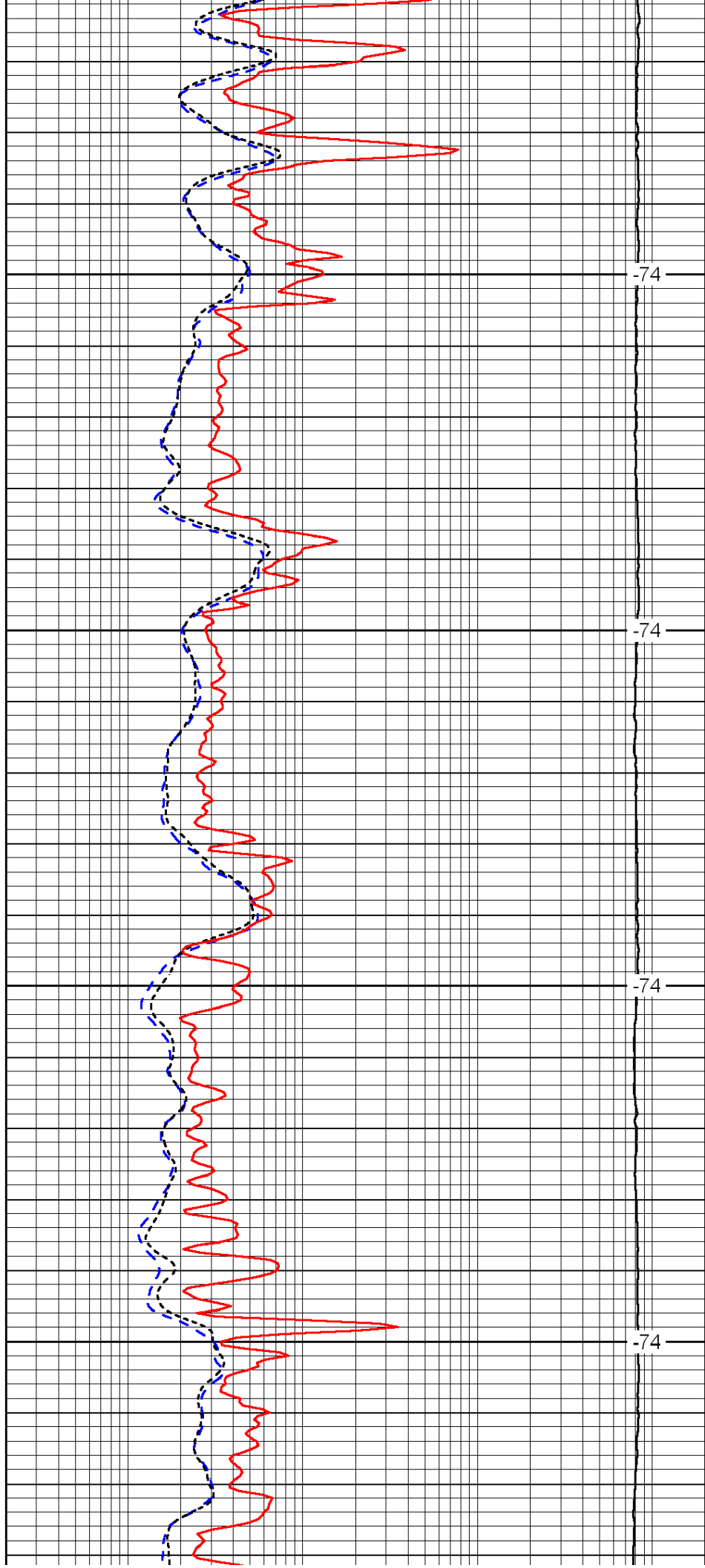


2650

2700

2750

2800

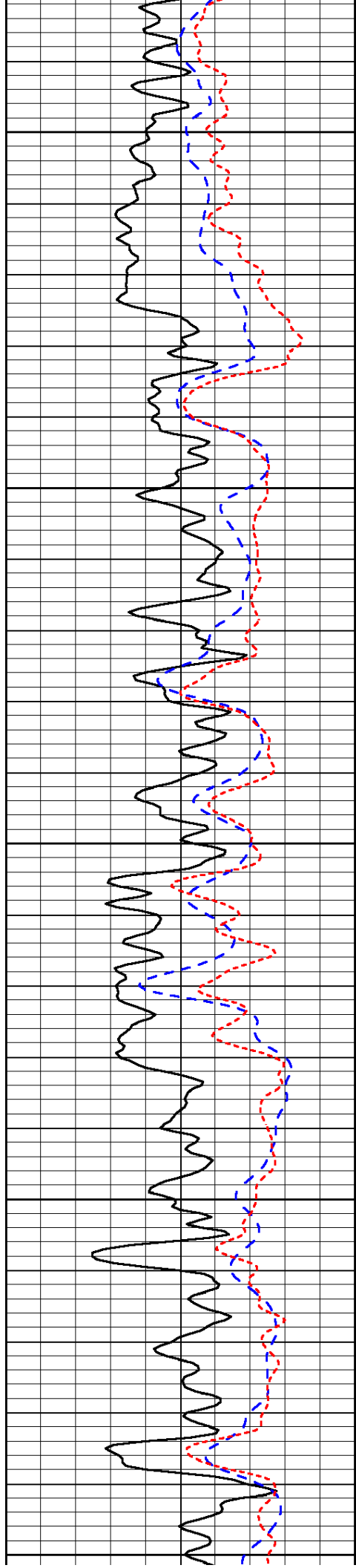


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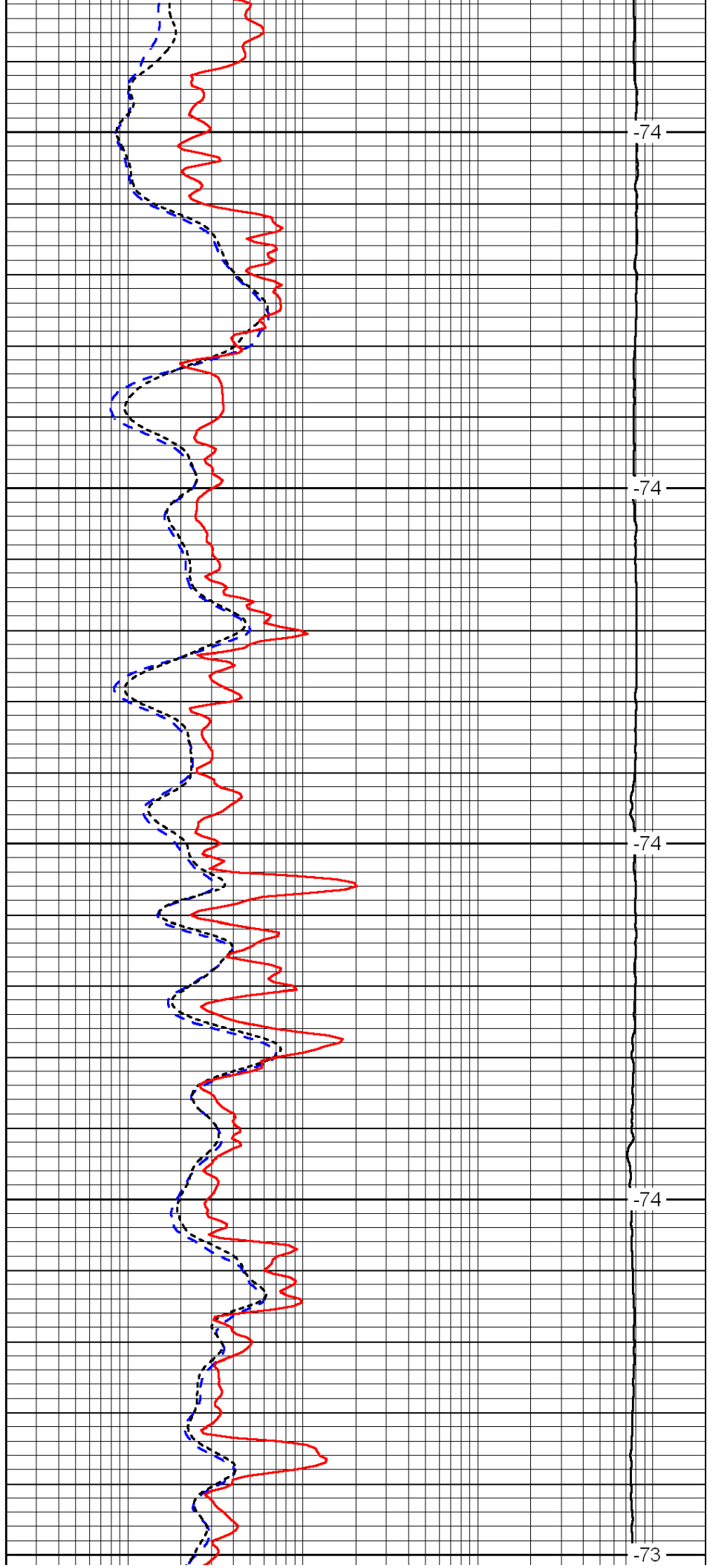
2850

2900

2950

3000

3050



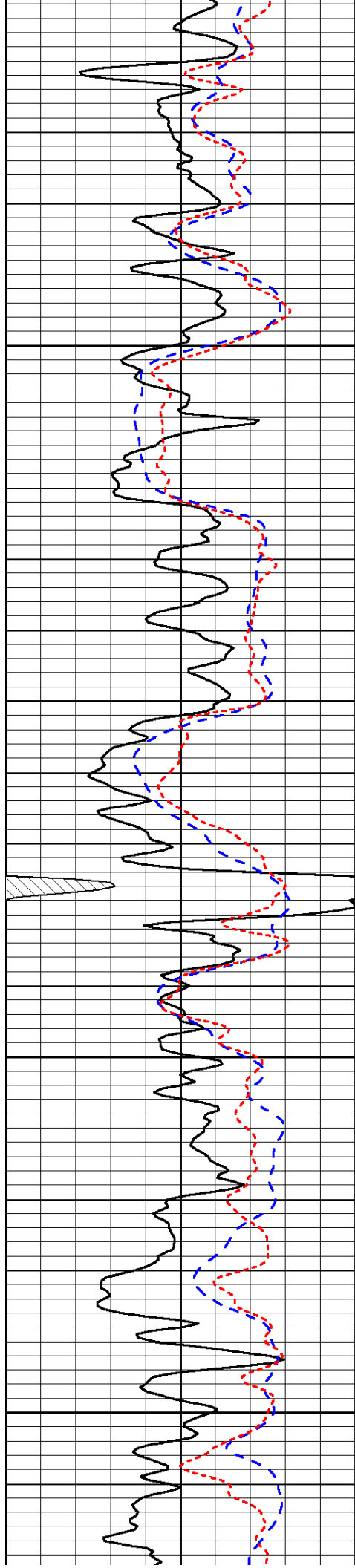
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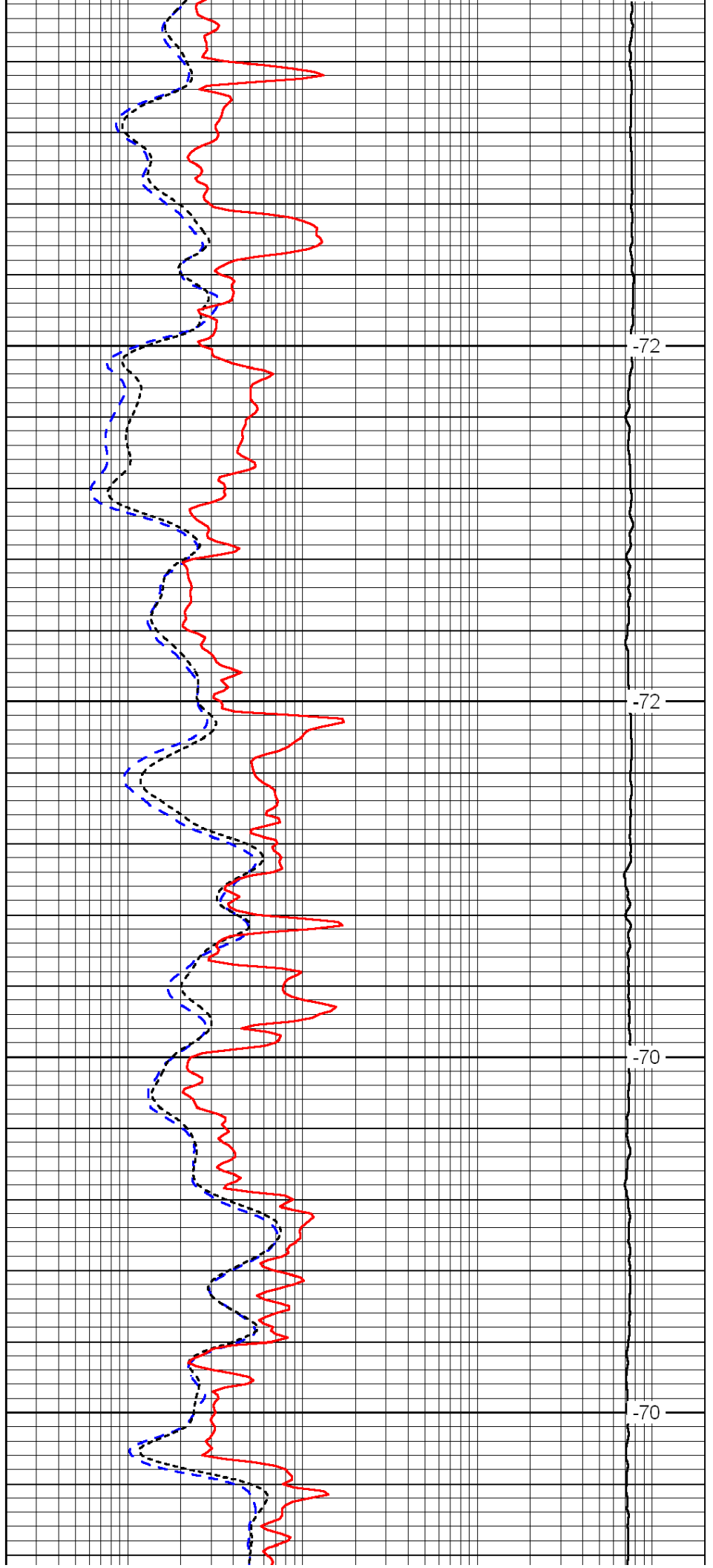


3100

3150

3200

3250

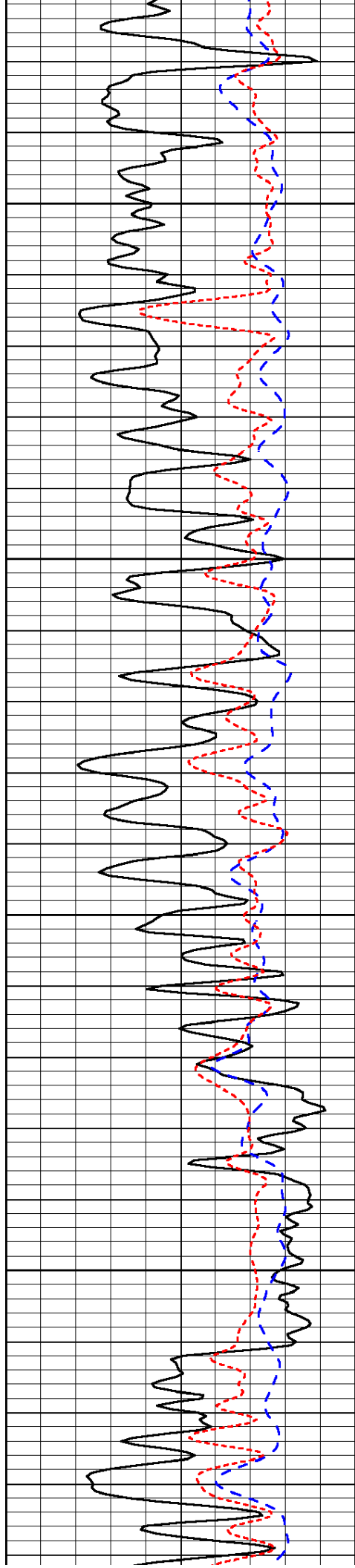


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-72

-70

-70

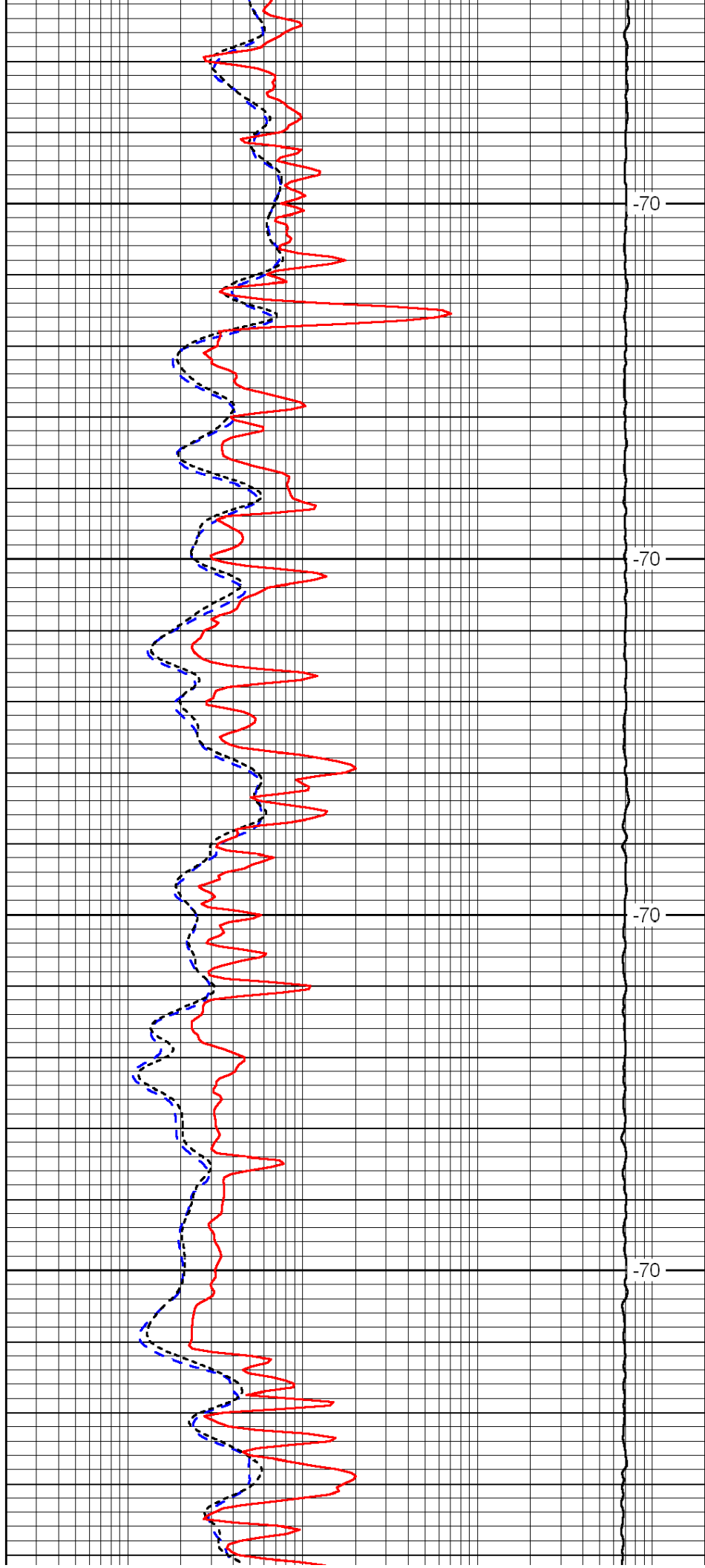


3300

3350

3400

3450

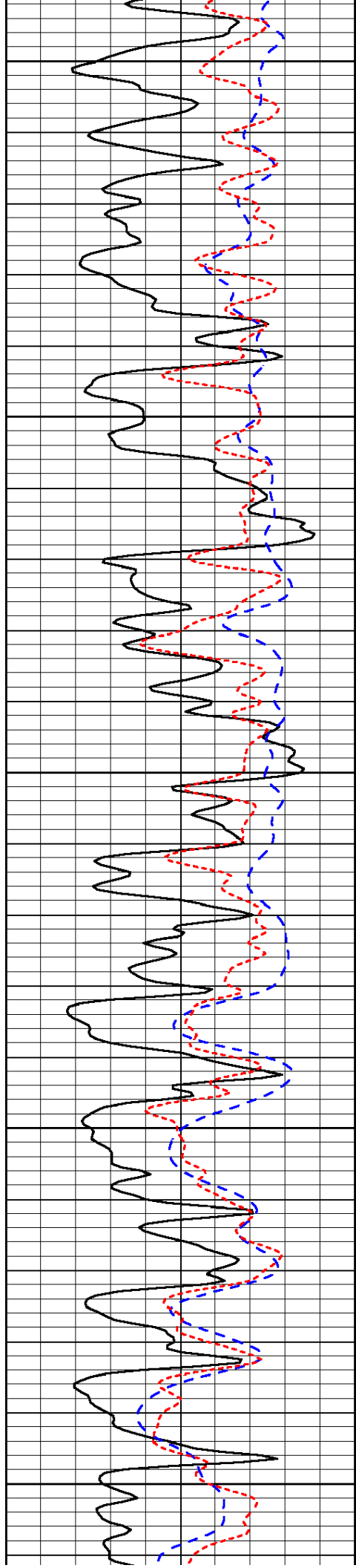


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-70

-70

-70



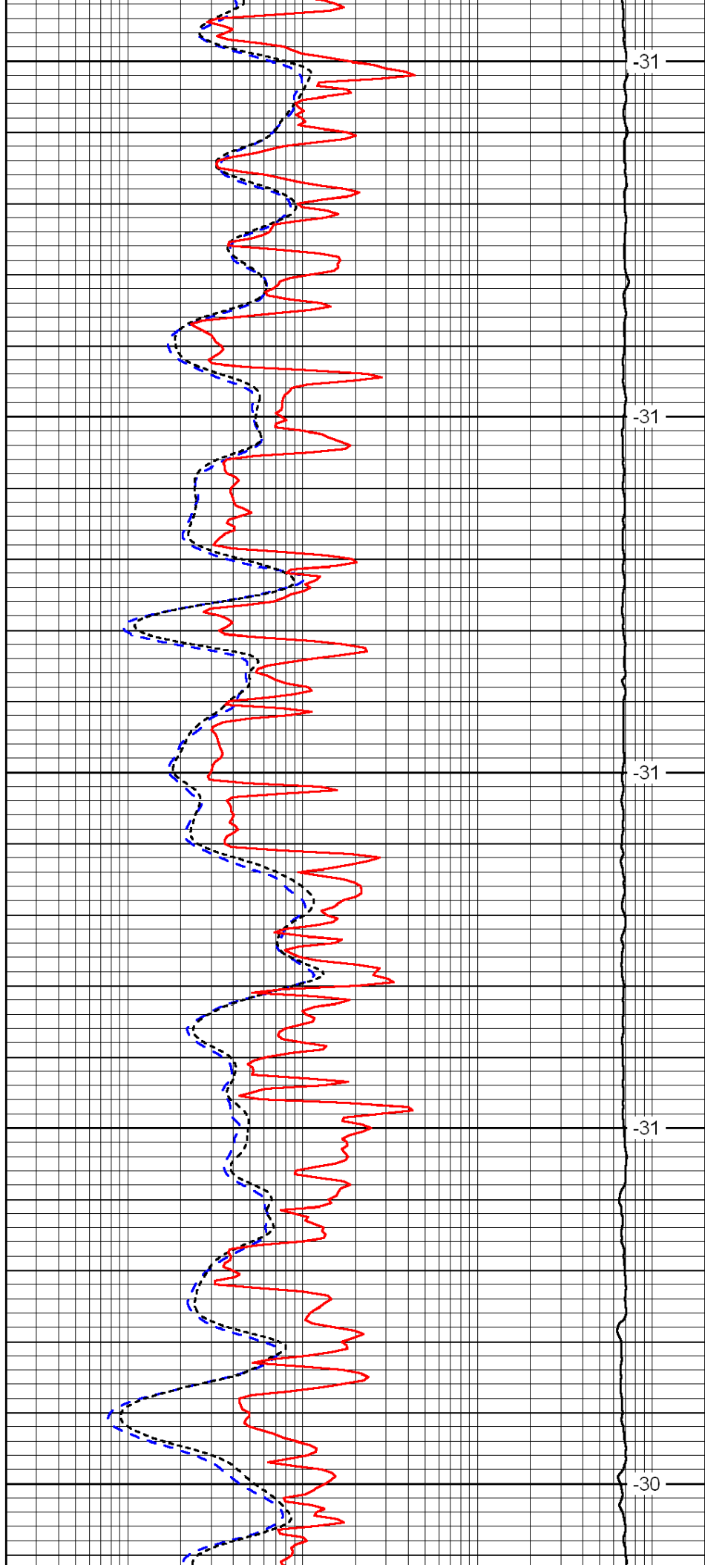
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3550

3600

3650

3700



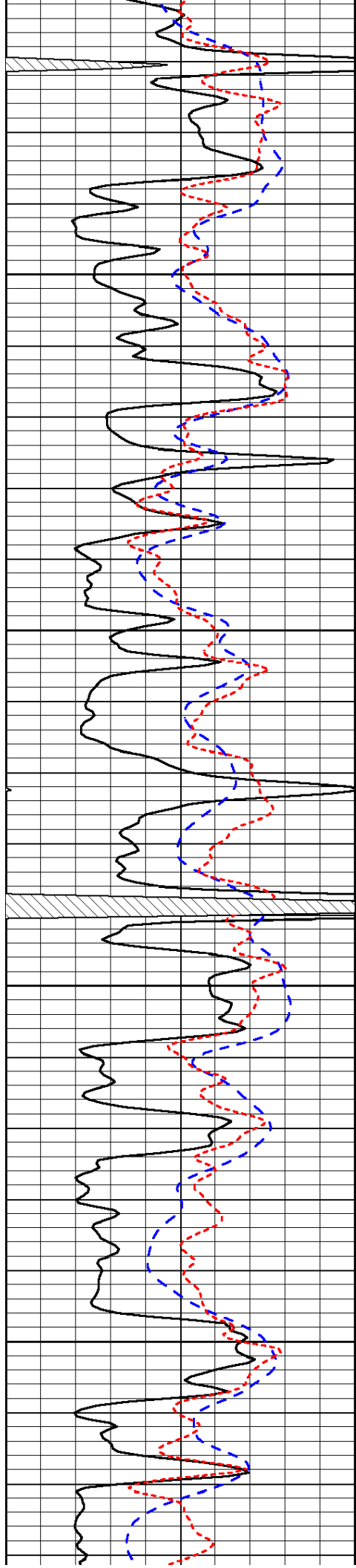
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-31

-31

-31

-30

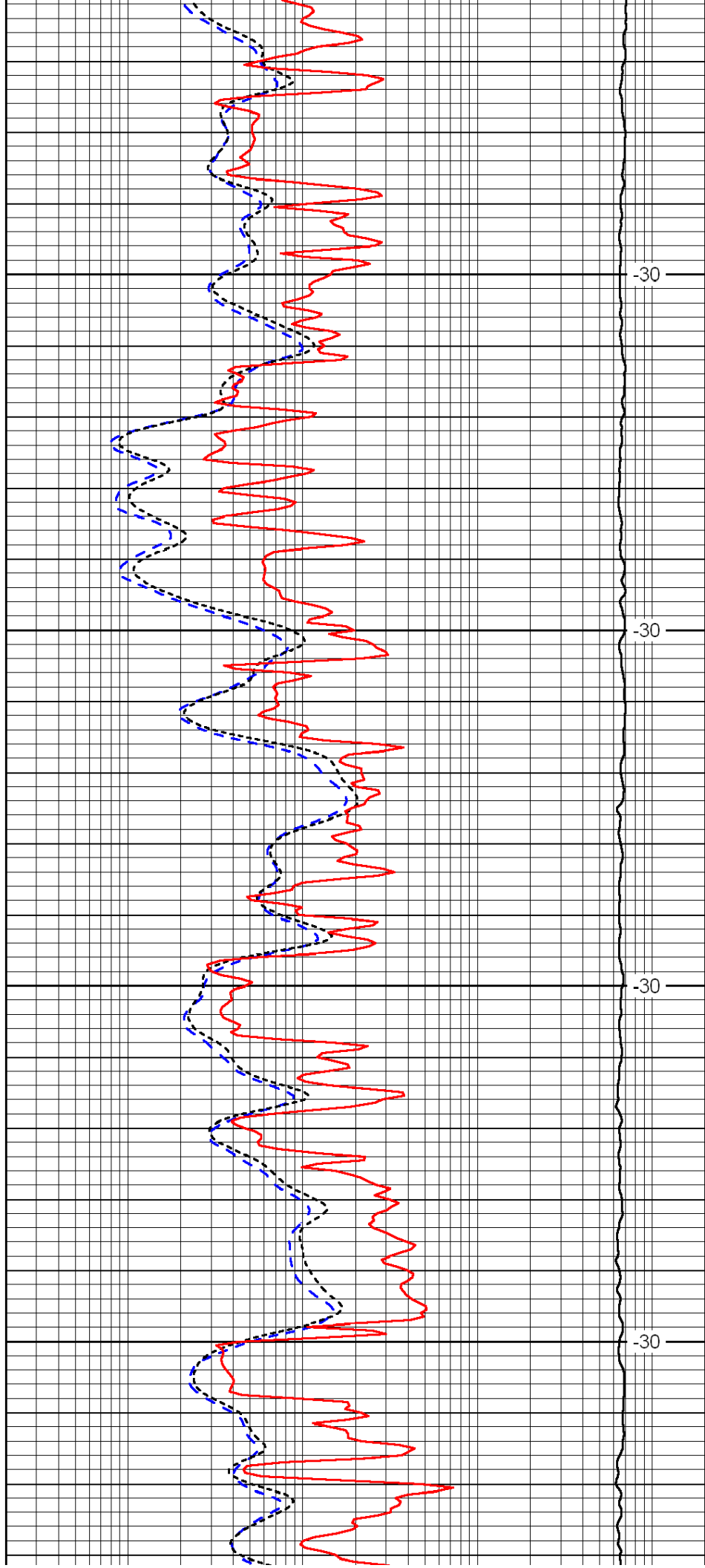


3750

3800

3850

3900

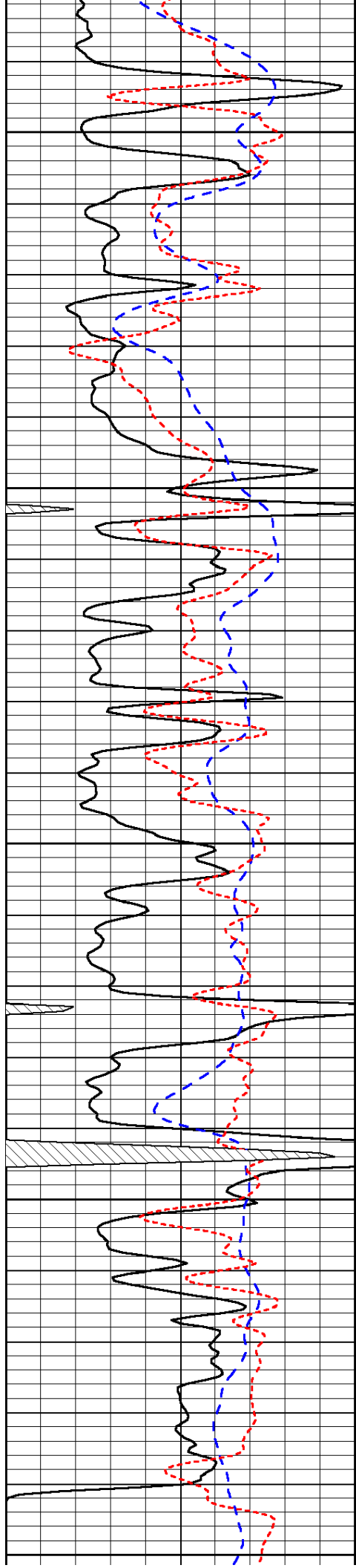


-30

-30

-30

-30



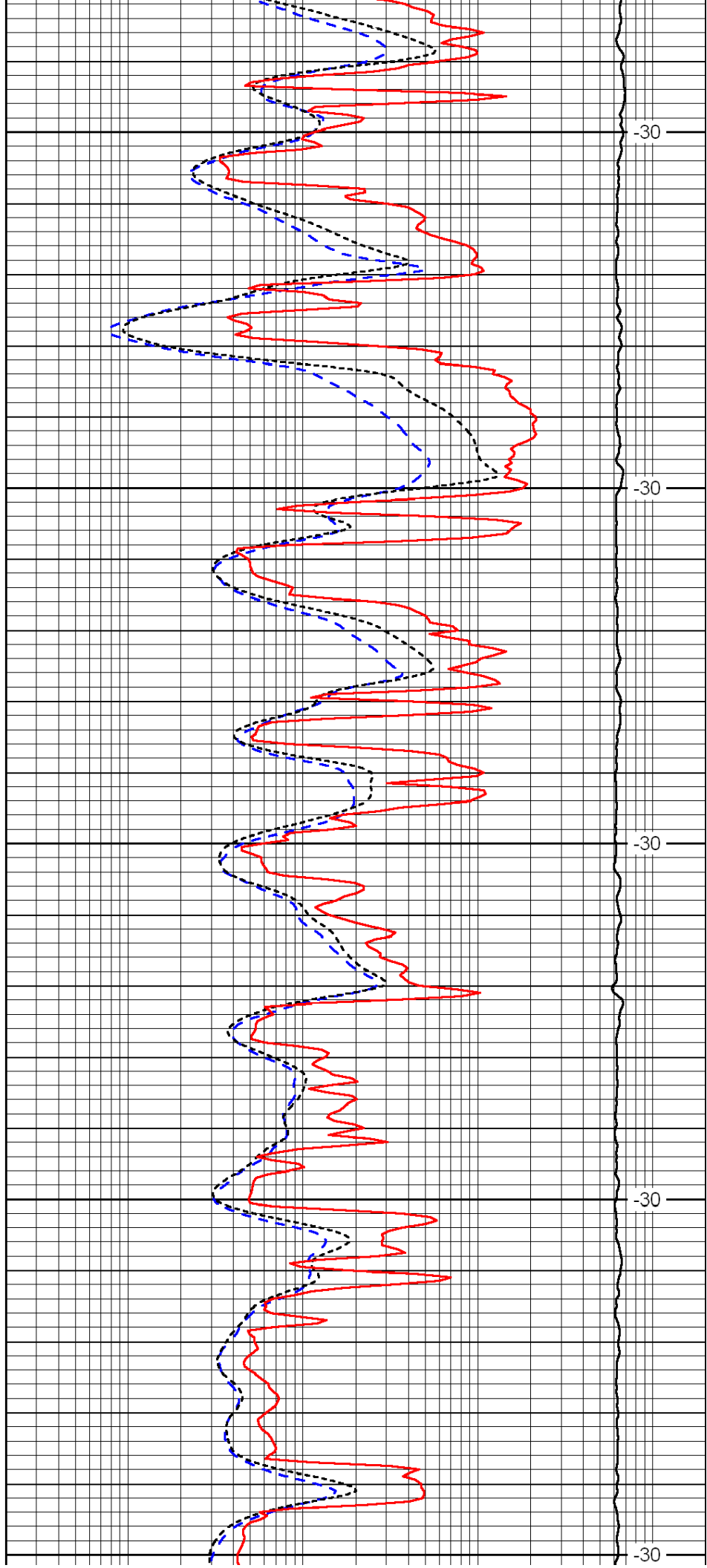
3950

4000

4050

4100

4150



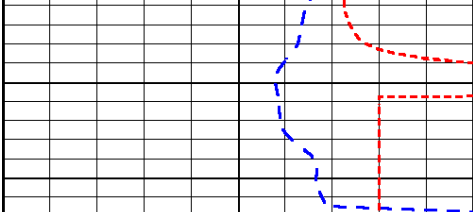
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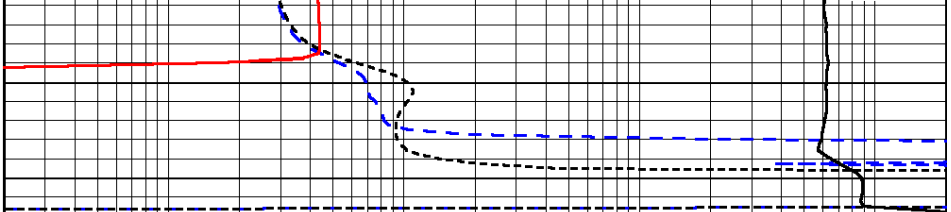
-30

-30

-30



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



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD