



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Murfin Drilling Co., Inc.		
	Well Kuhlman "E" No. 2-35		
	Field Wildcat		
	County Logan	State	Kansas
15-109-20,989-00-00	Location	580' FSL & 660' FWL	
	Sec: 35	Twp: 12 S	Rge: 32 W
	Permanent Datum	Ground Level	Elevation 3002
	Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum
	Drilling Measured From	Kelly Bushing	
Date		3/29/2011	
Run Number		One	
Depth Driller		4740	
Depth Logger		4738	
Bottom Logged Interval		4737	
Top Log Interval		00	
Casing Driller		8.625 @ 226	
Casing Logger		222	
Bit Size		7.875	
Type Fluid in Hole		Chemical	
Salinity, ppm CL		3.000	
Density / Viscosity		9.3 51	
pH / Fluid Loss		11.0 6.8	
Source of Sample		Flowline	
Rm @ Meas. Temp		.98 @ 55	
Rmf @ Meas. Temp		.73 @ 55	
Rmc @ Meas. Temp		1.32 @ 55	
Source of Rmf / Rmc		Charts	
Rm @ BHT		.43 @ 125	
Operating Rig Time		5 1/2 Hours	
Max Rec. Temp. F		125	
Equipment Number		4	
Location		Hays	
Recorded By		K. Bange	D. Kerr
Witnessed By		Wes Hansen	

<<< Fold Here >>>

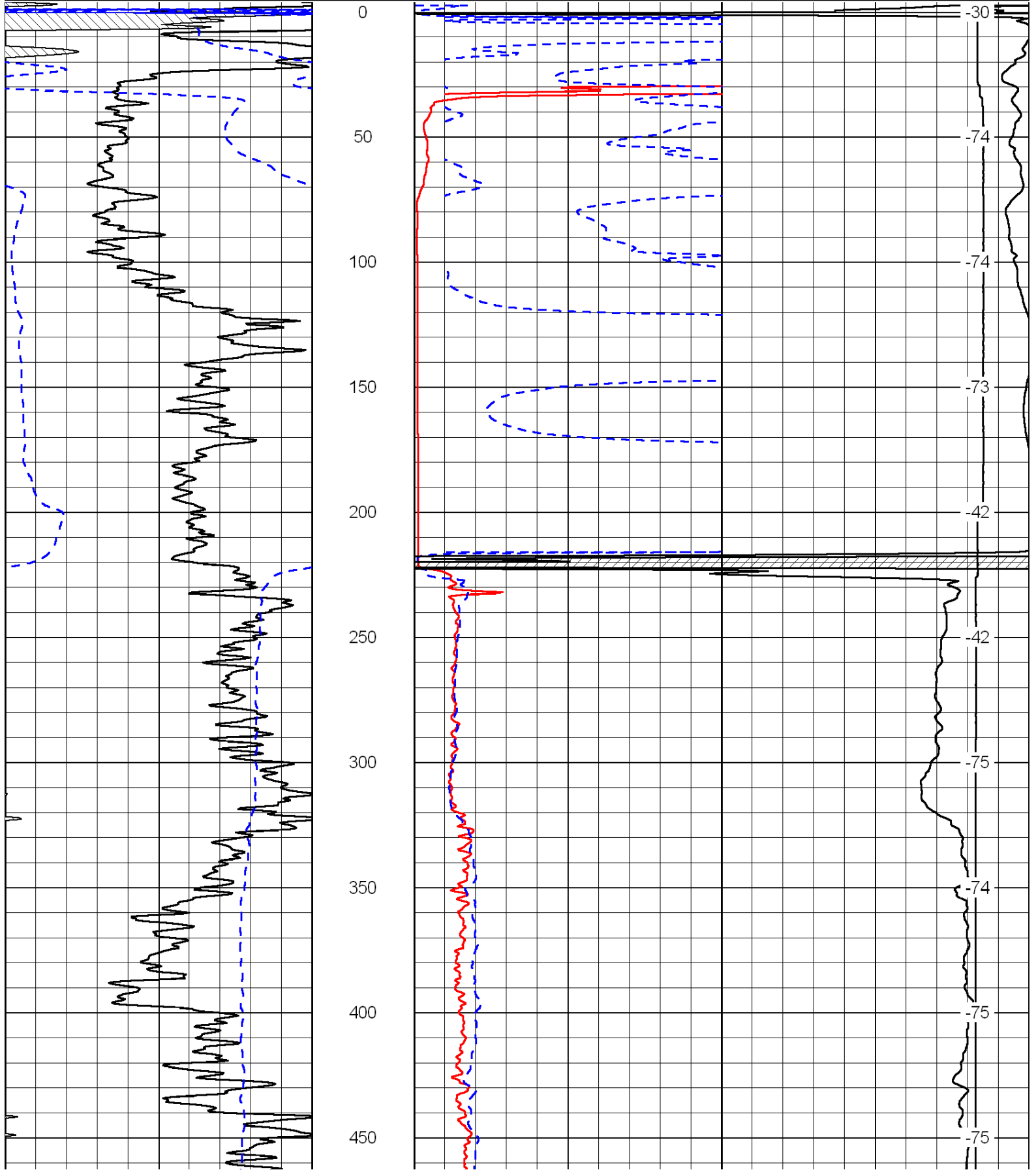
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

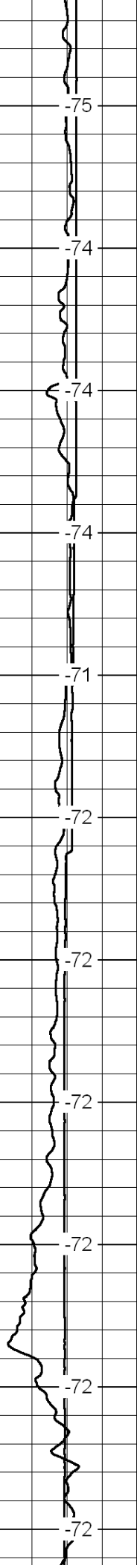
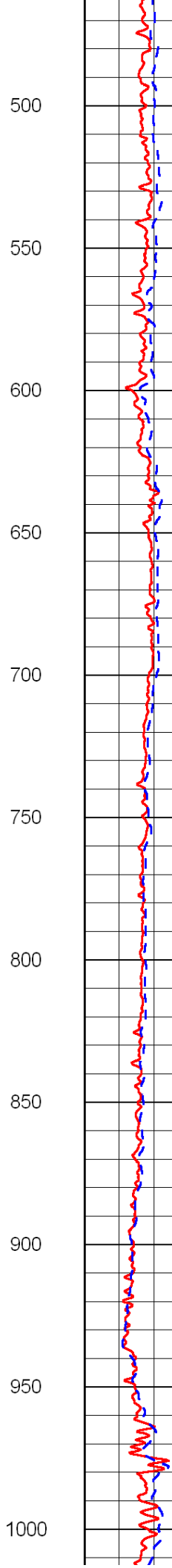
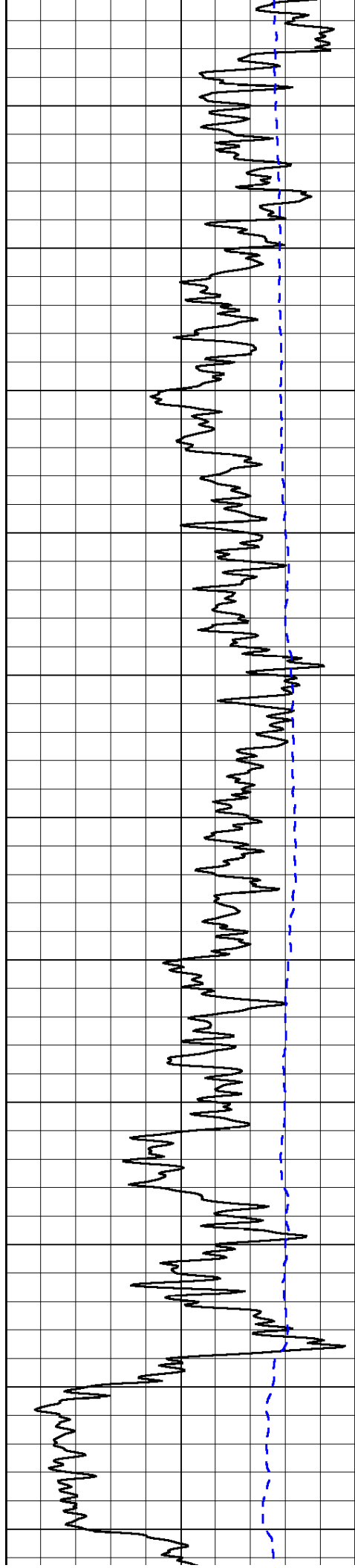
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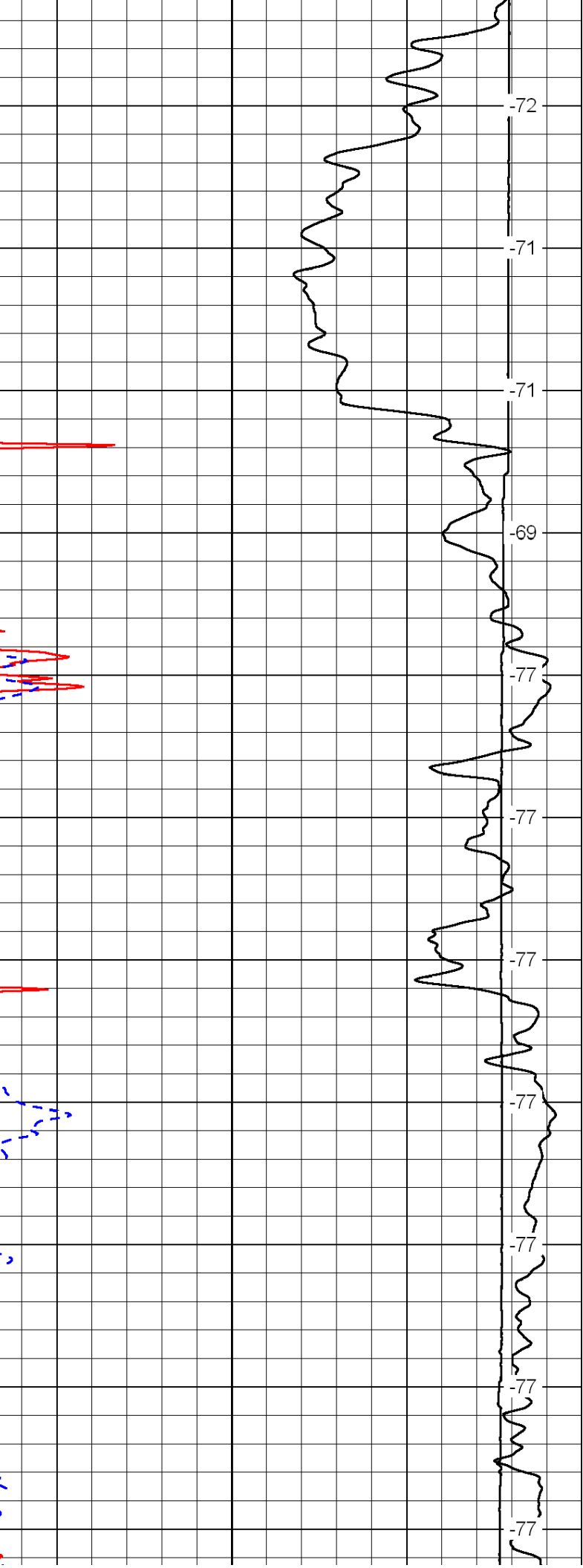
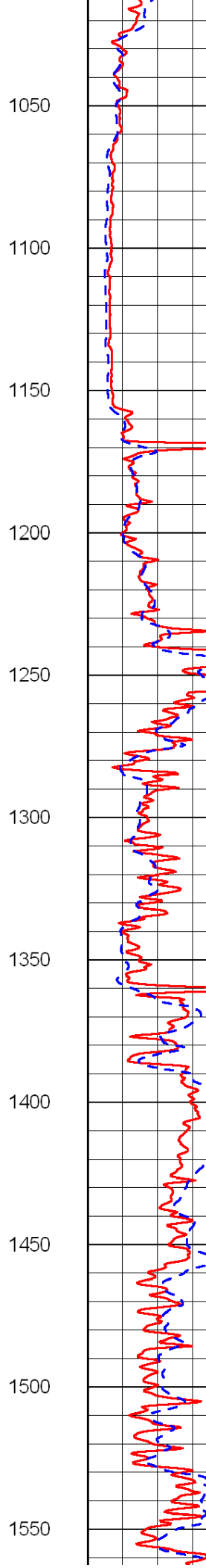
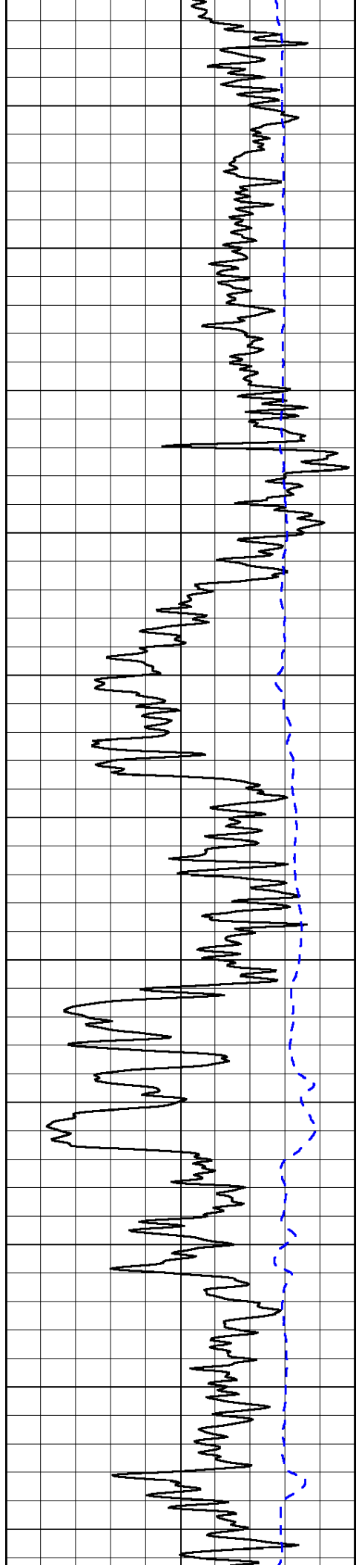
Thank you for using Log-Tech, Inc.
(785) 625-3858

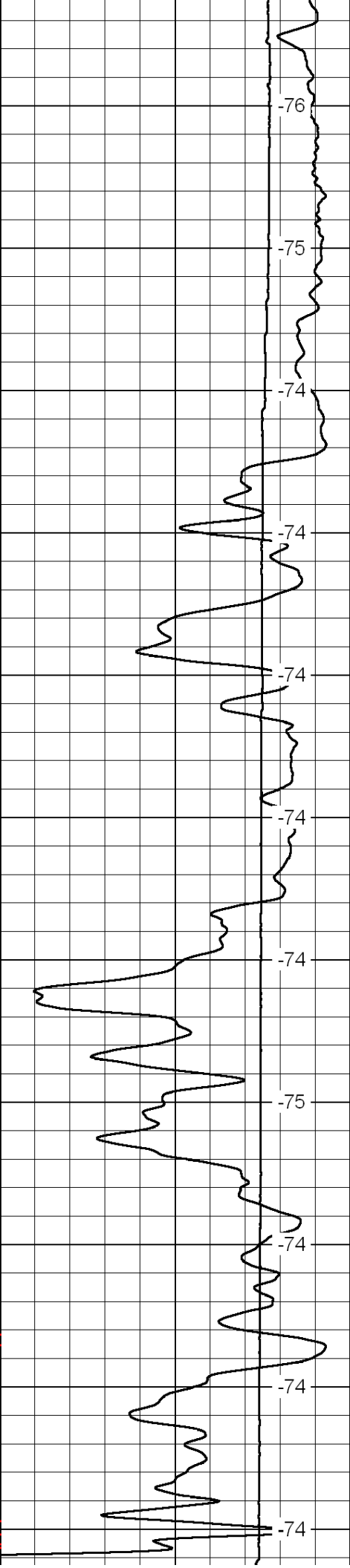
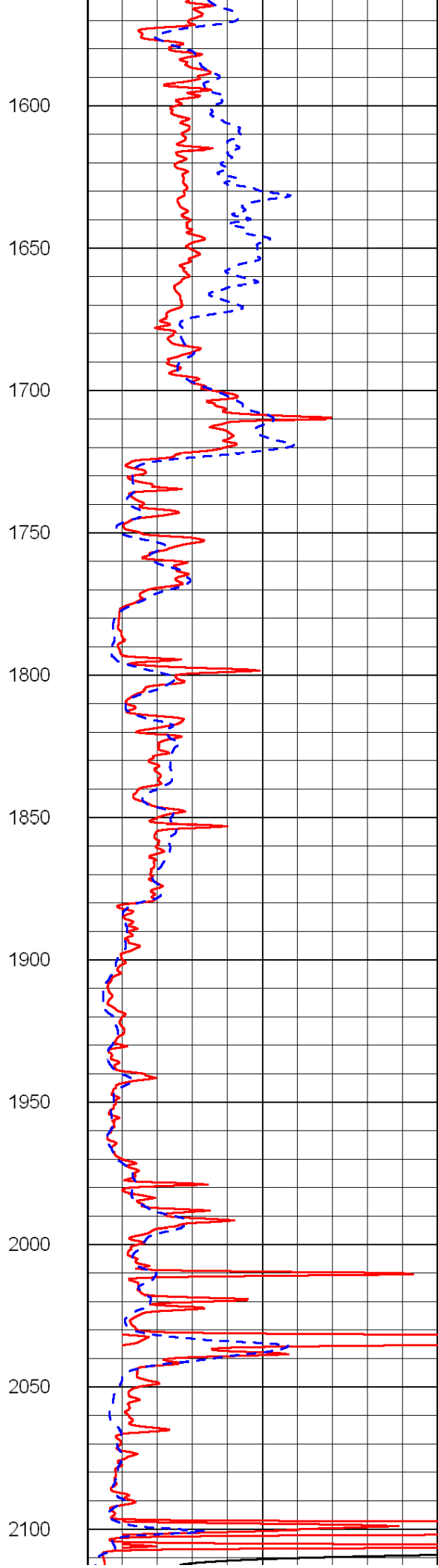
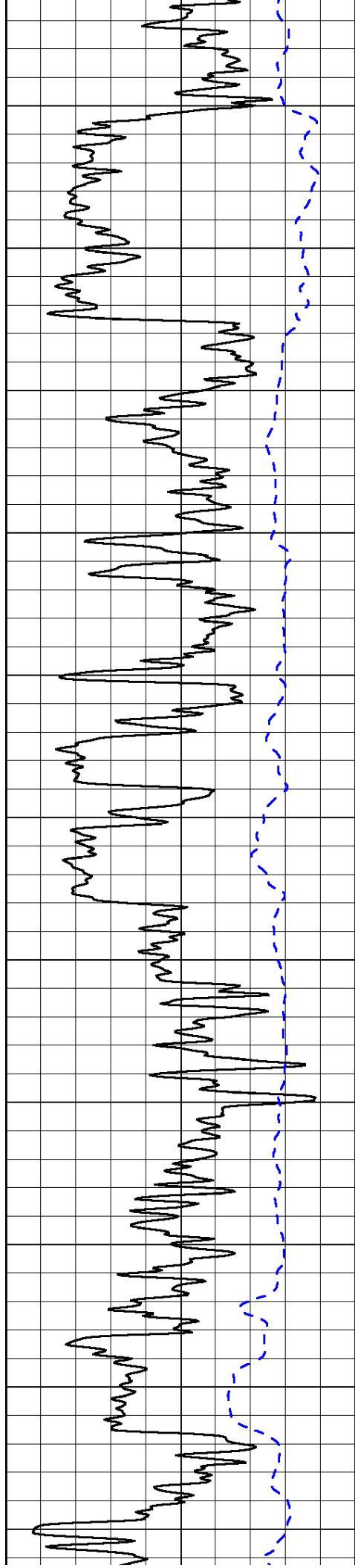
Oakley, 11 S to Gove rd, 1/4 E, N into

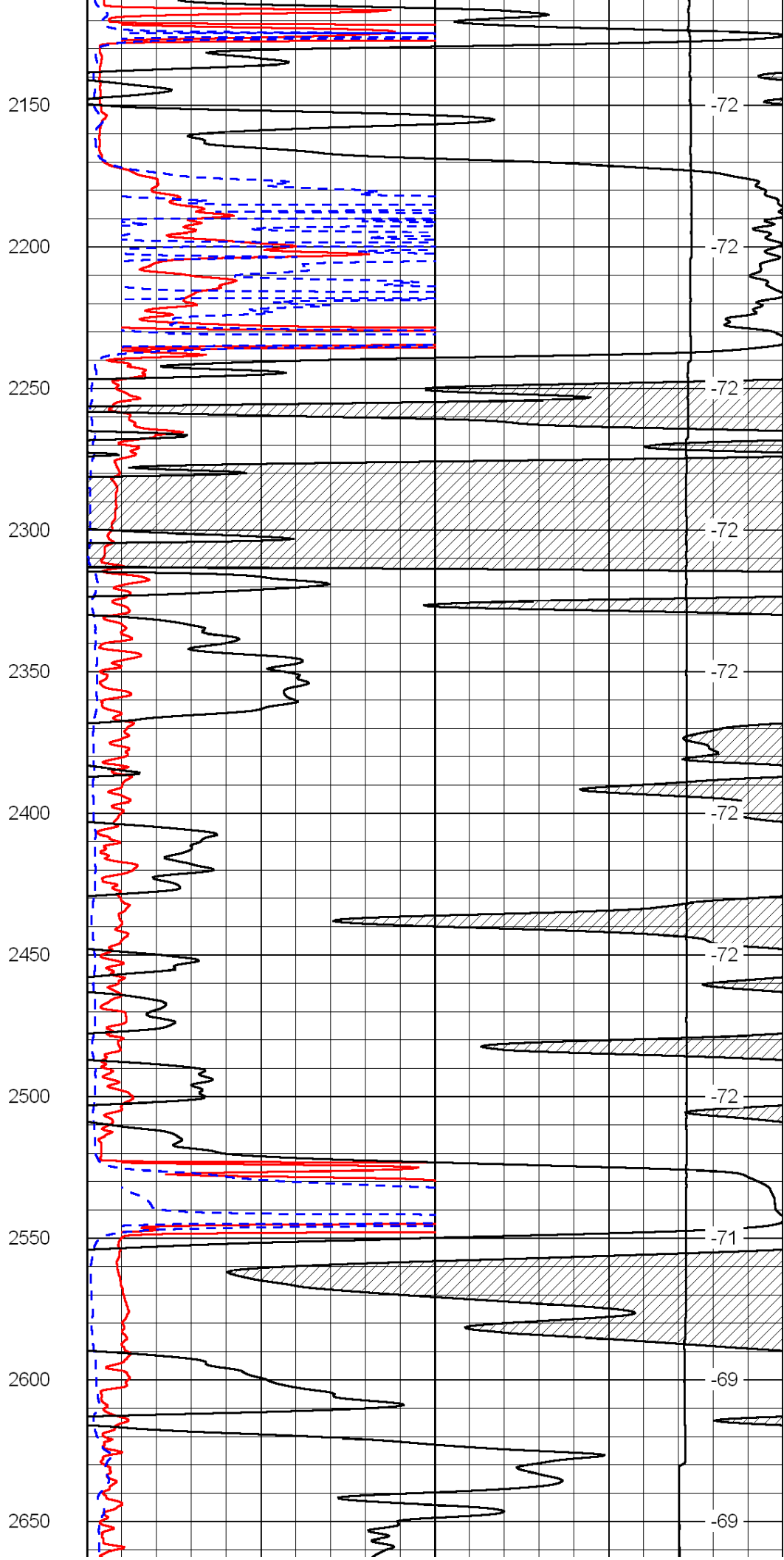
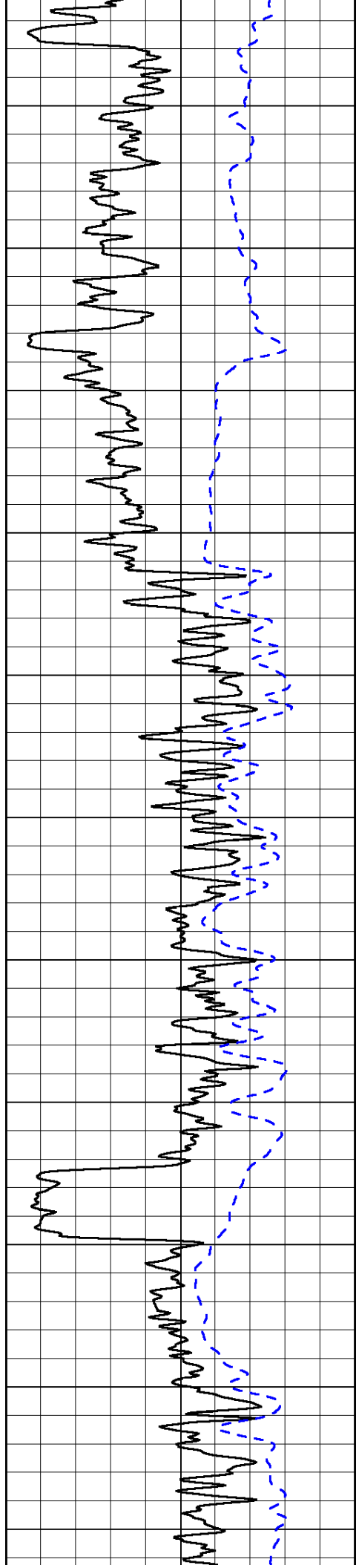
Charted by: _____ Depth in Feet scaled 1:500								
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD		
-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

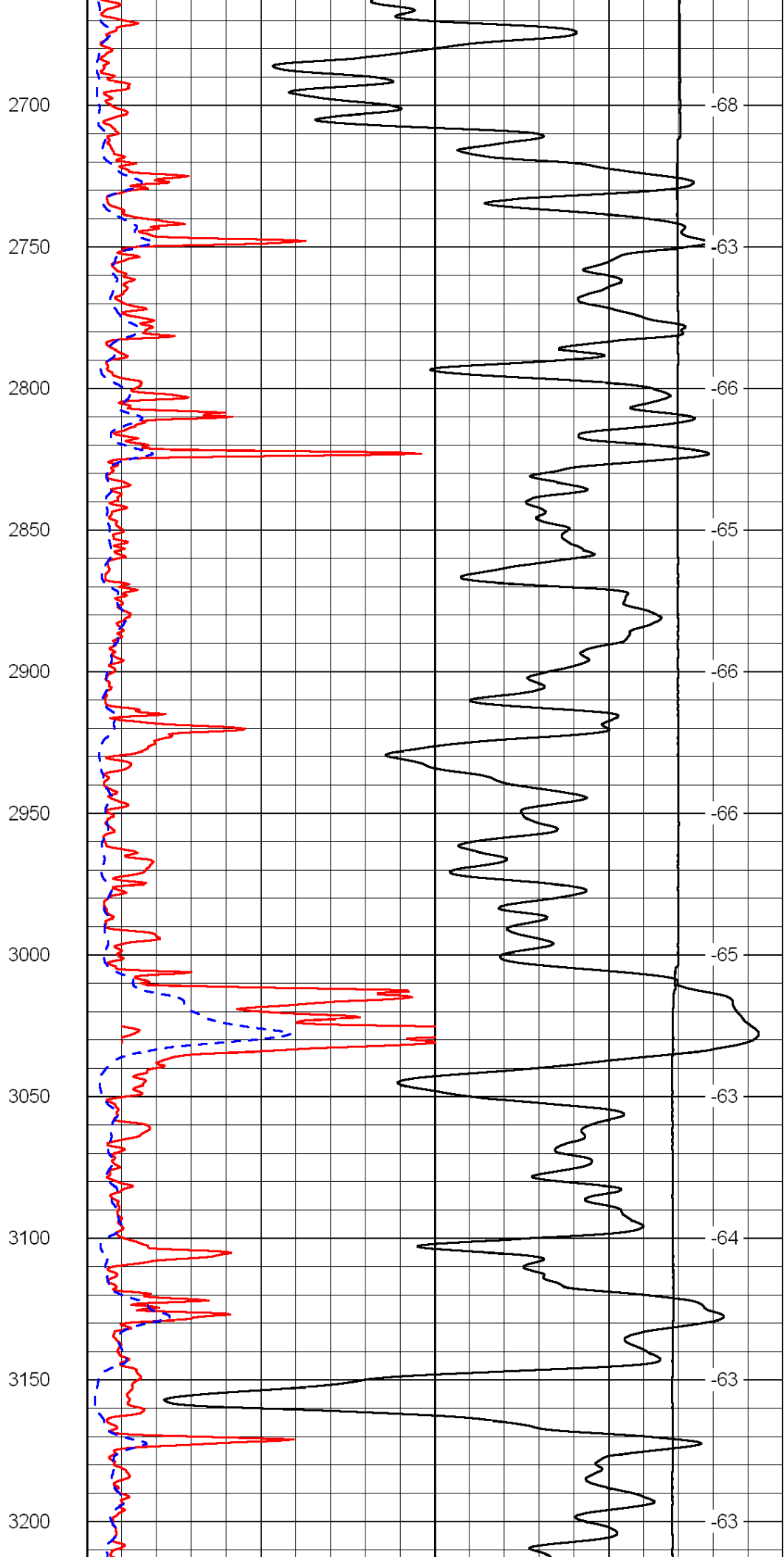
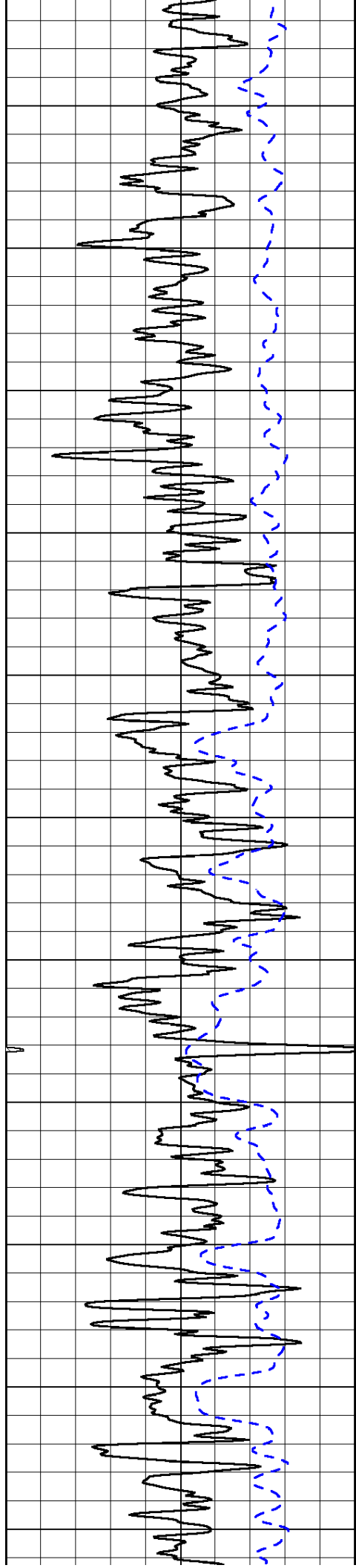


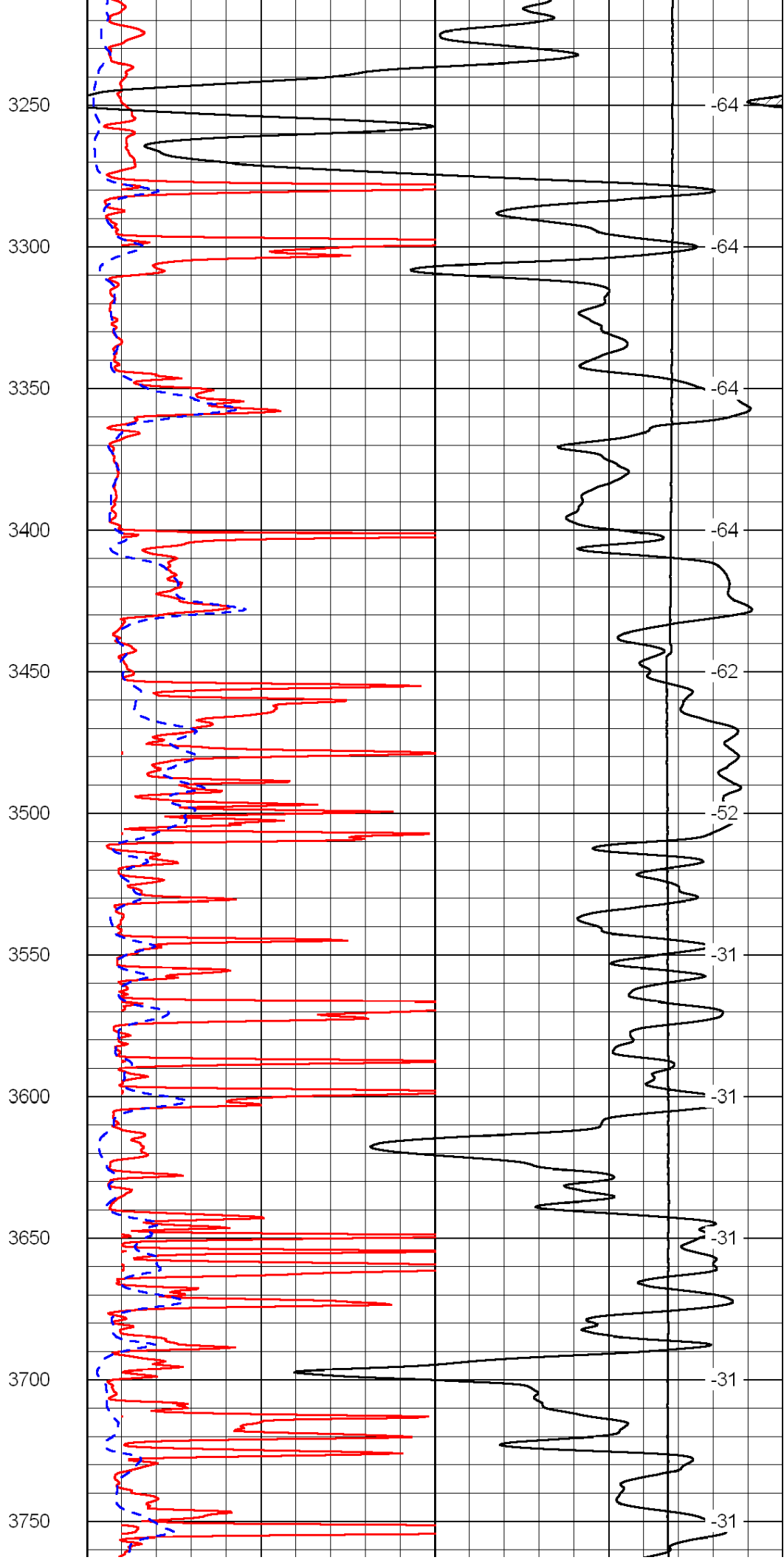
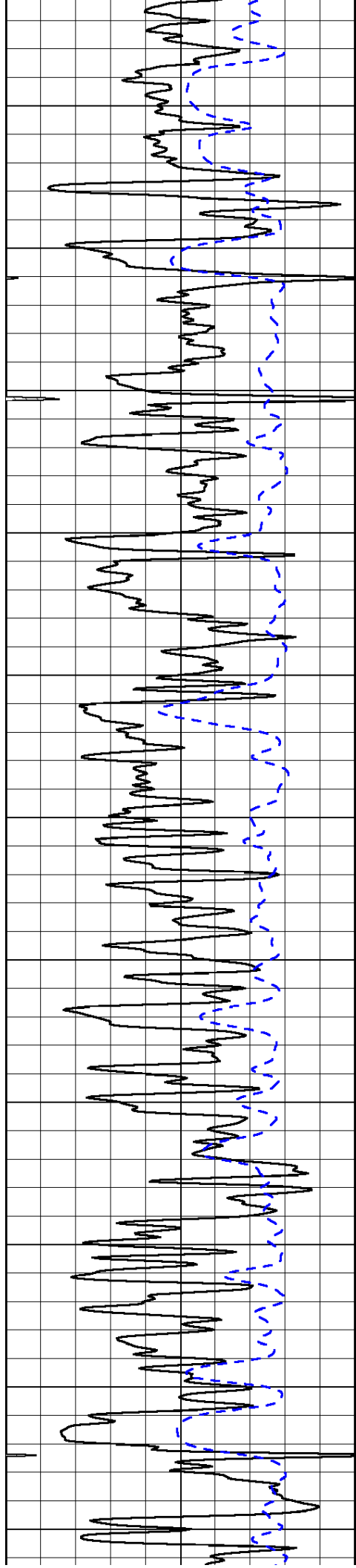


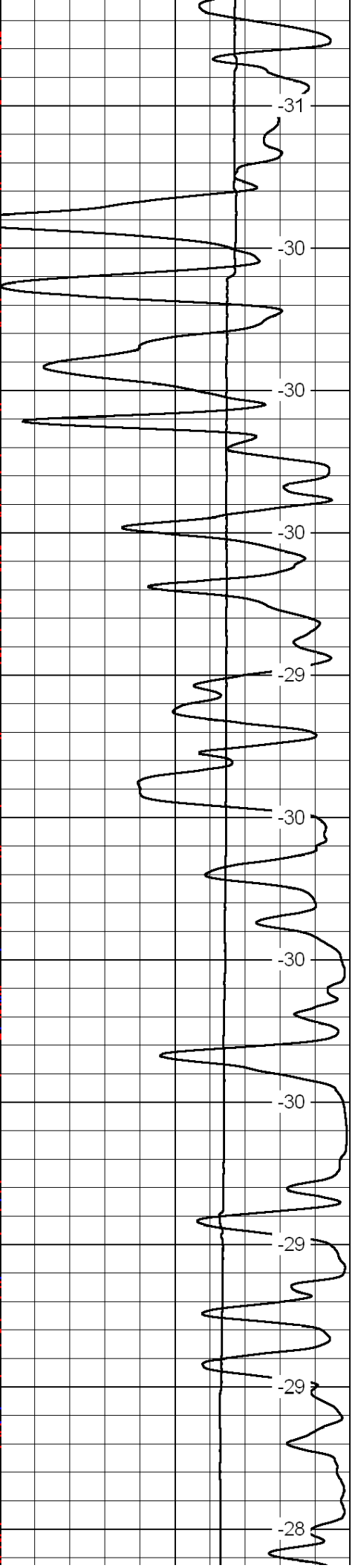
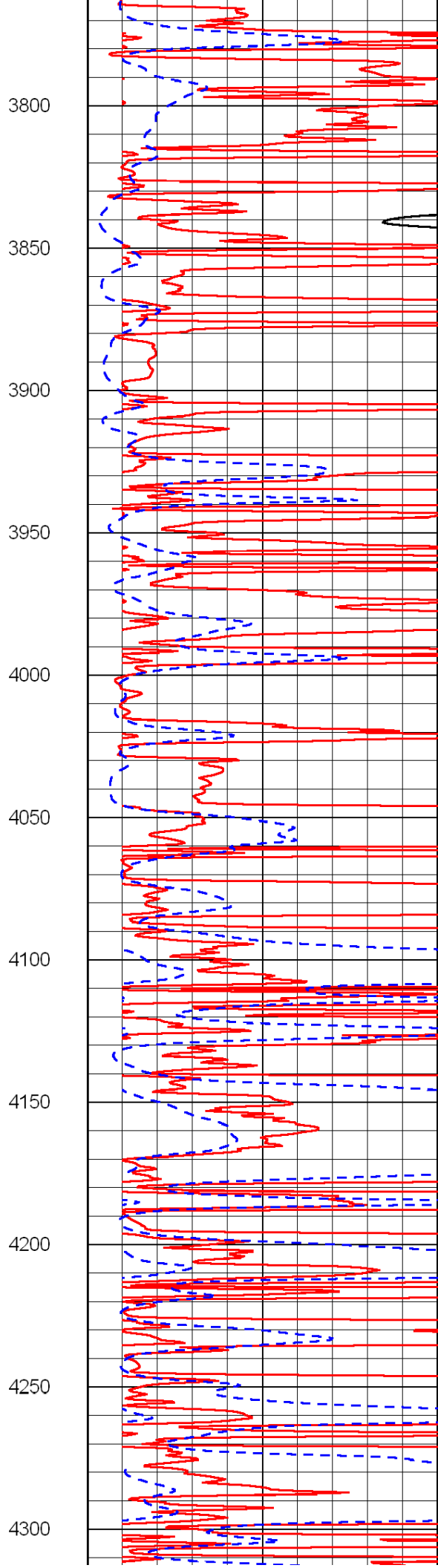
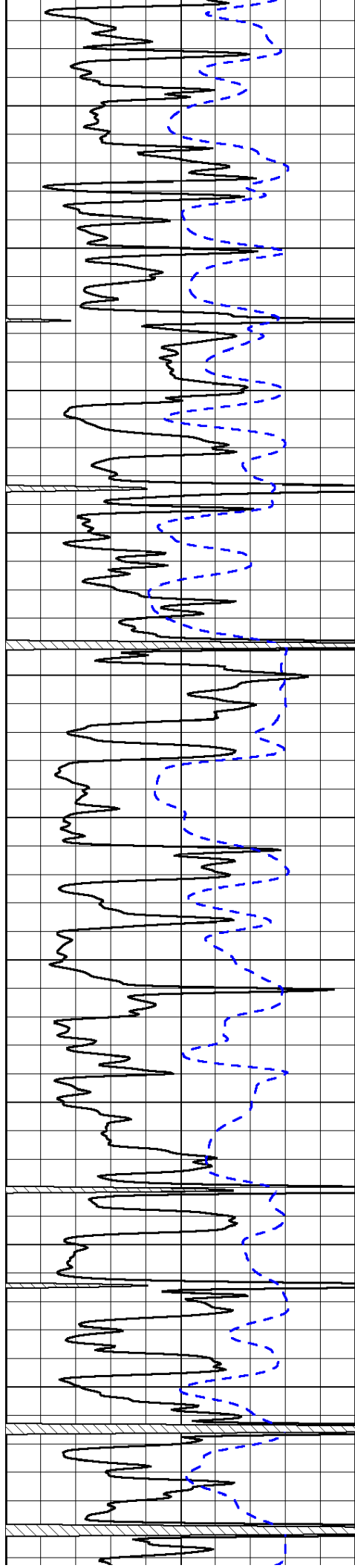


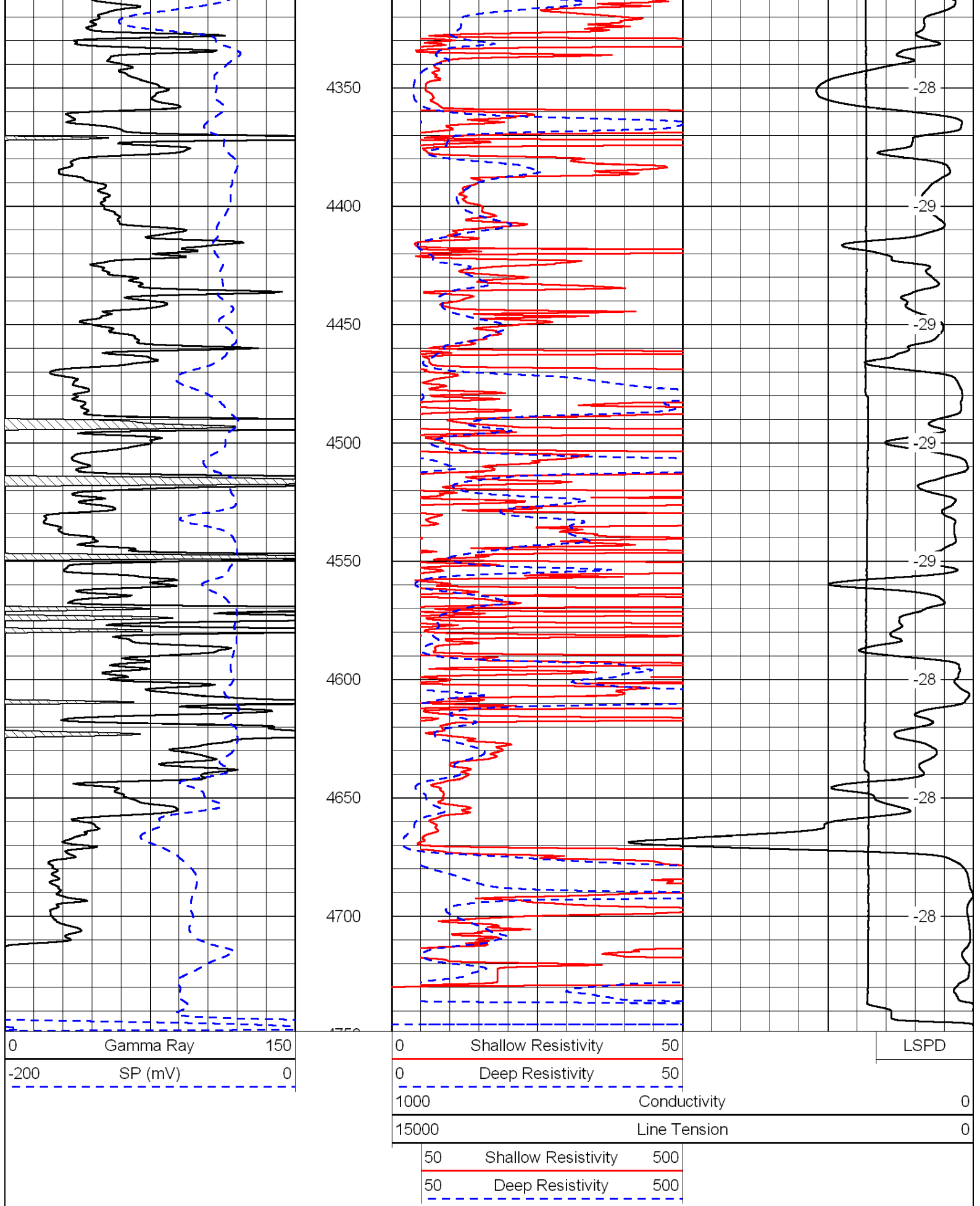










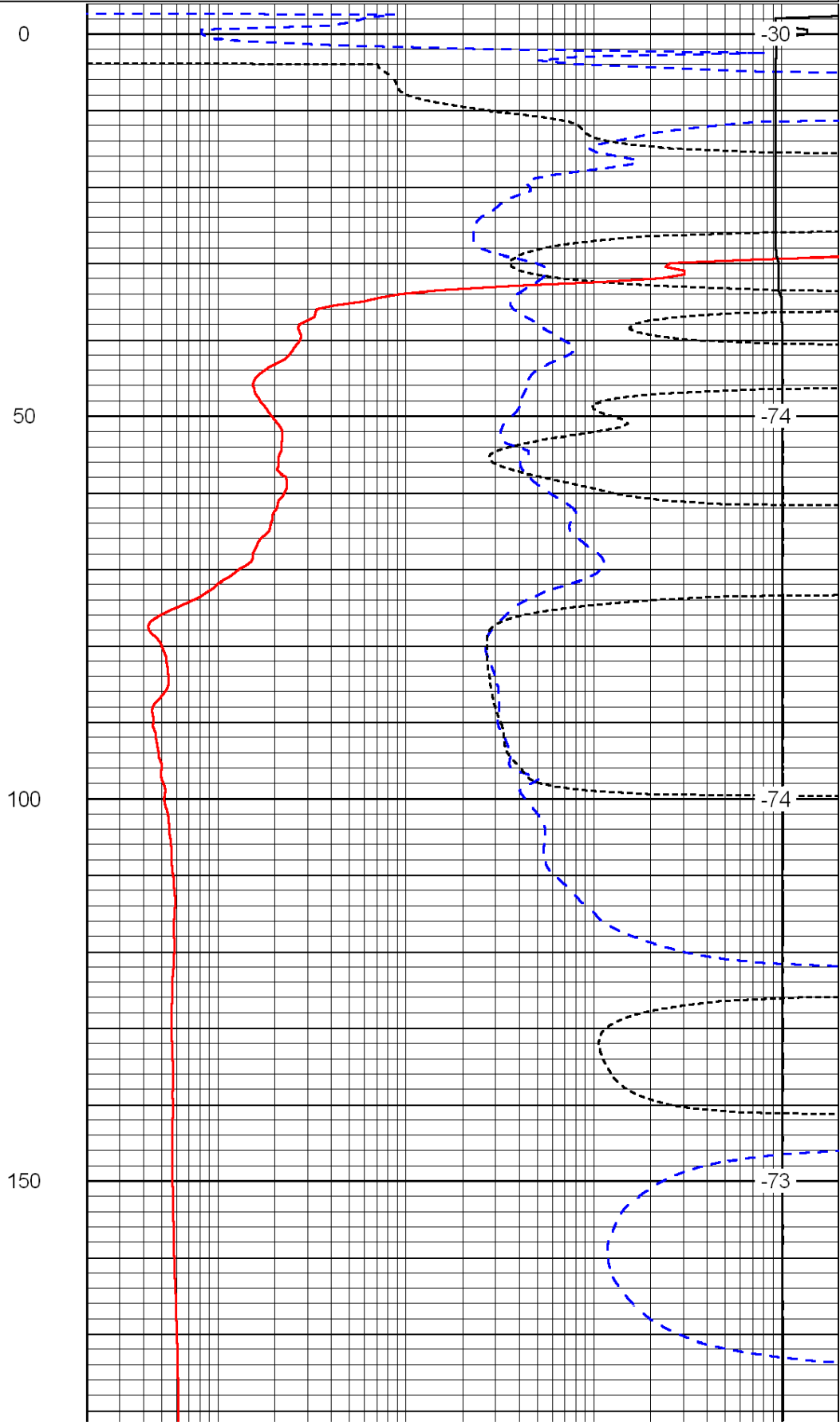
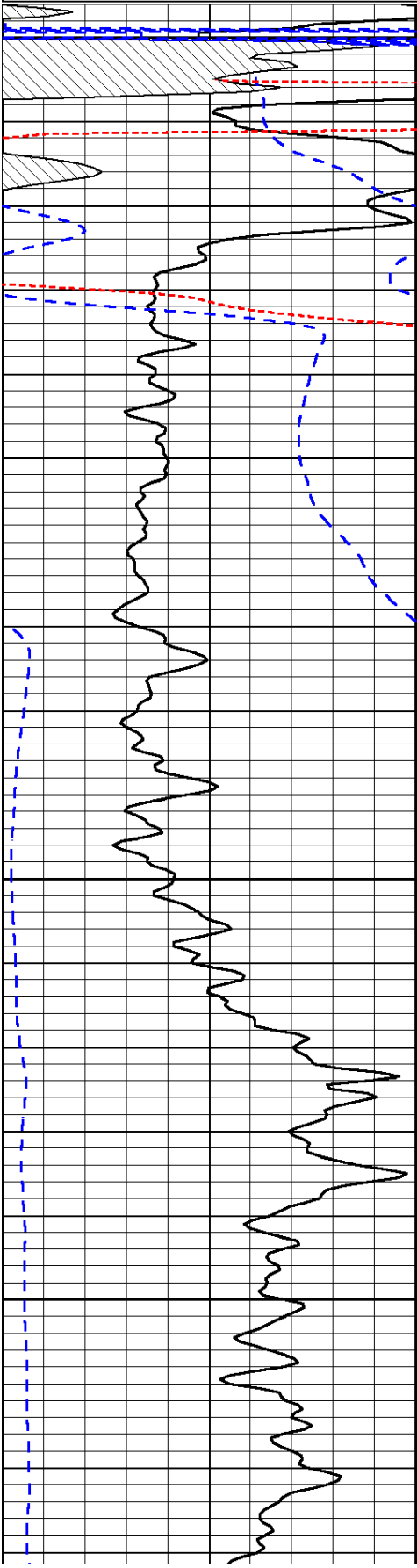


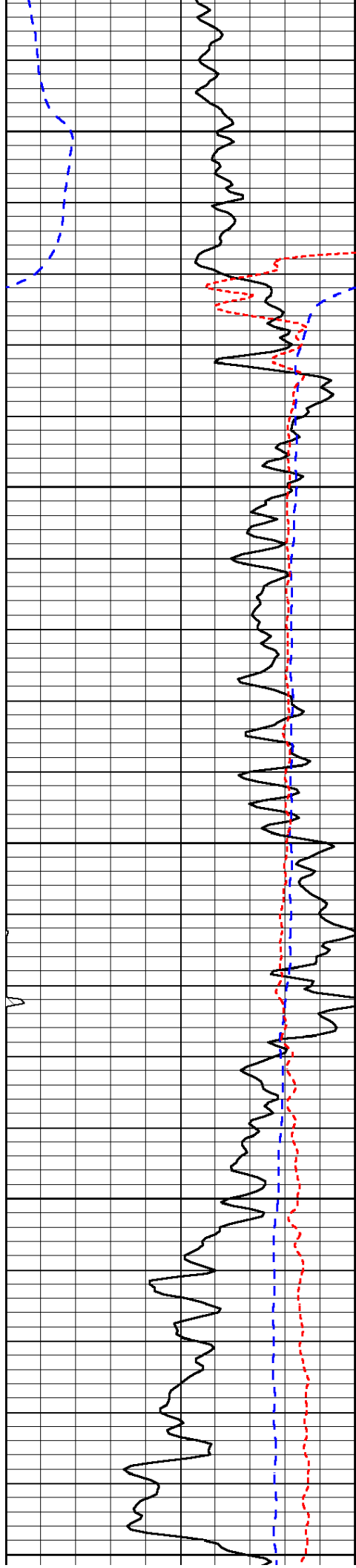
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-200	SP (mV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000

15000	Line Tension	0
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LSPD





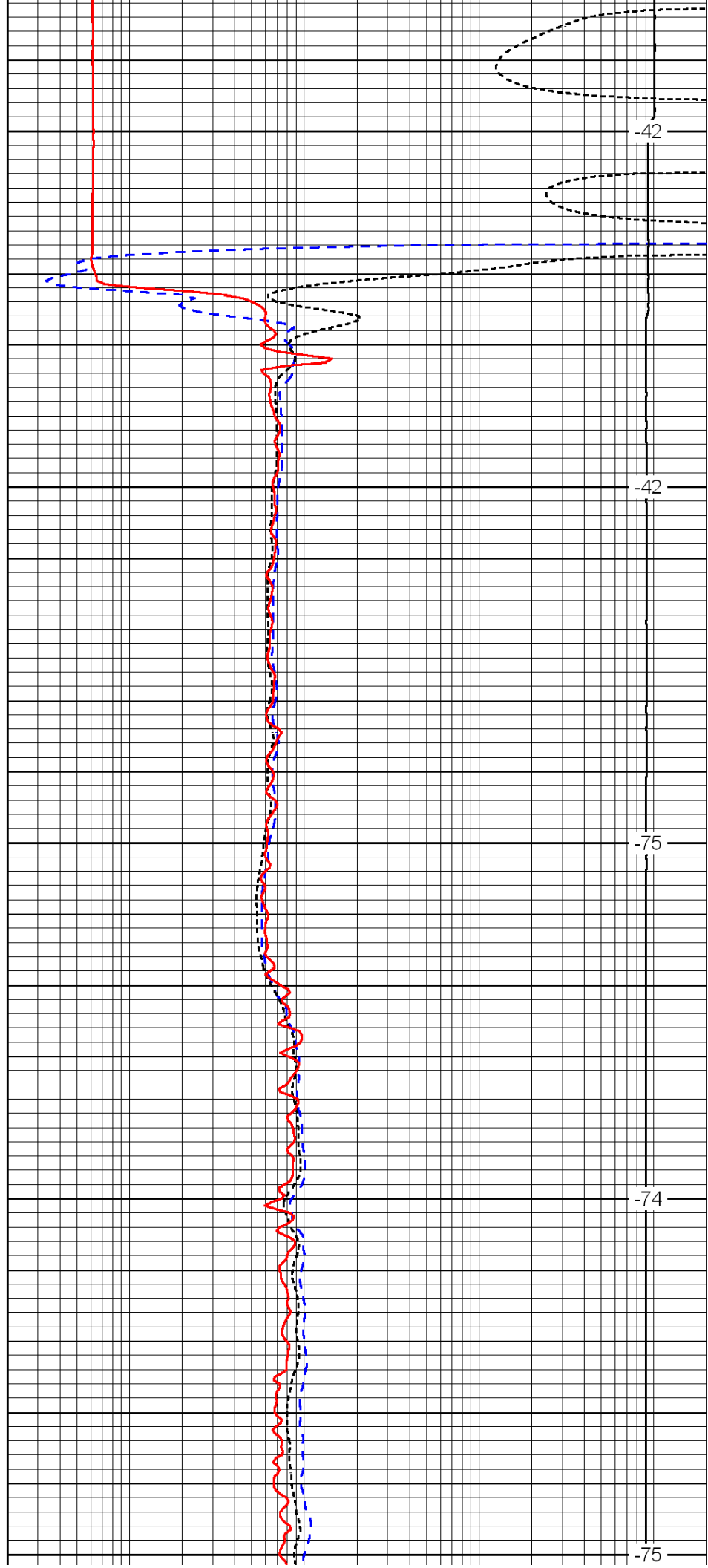
200

250

300

350

400



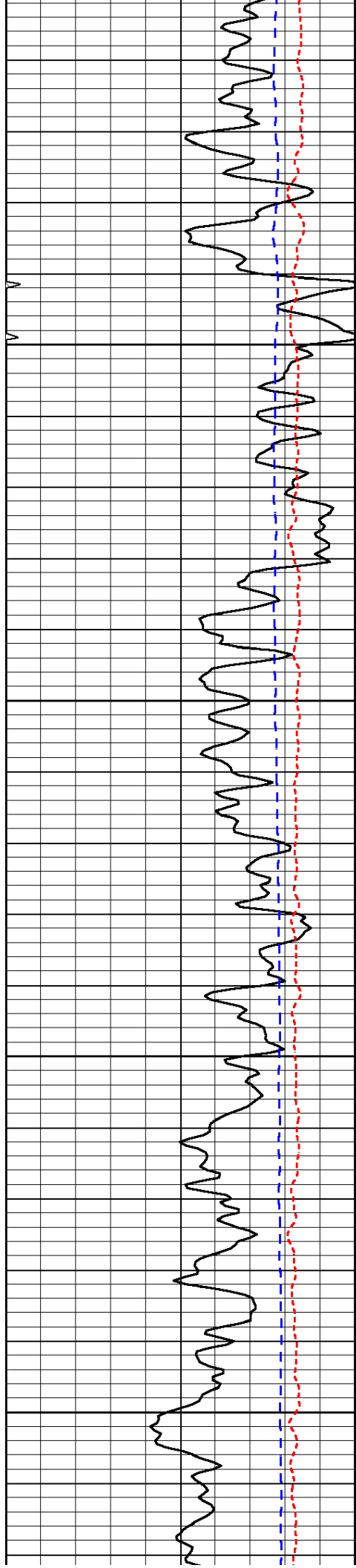
-42

-42

-75

-74

-75

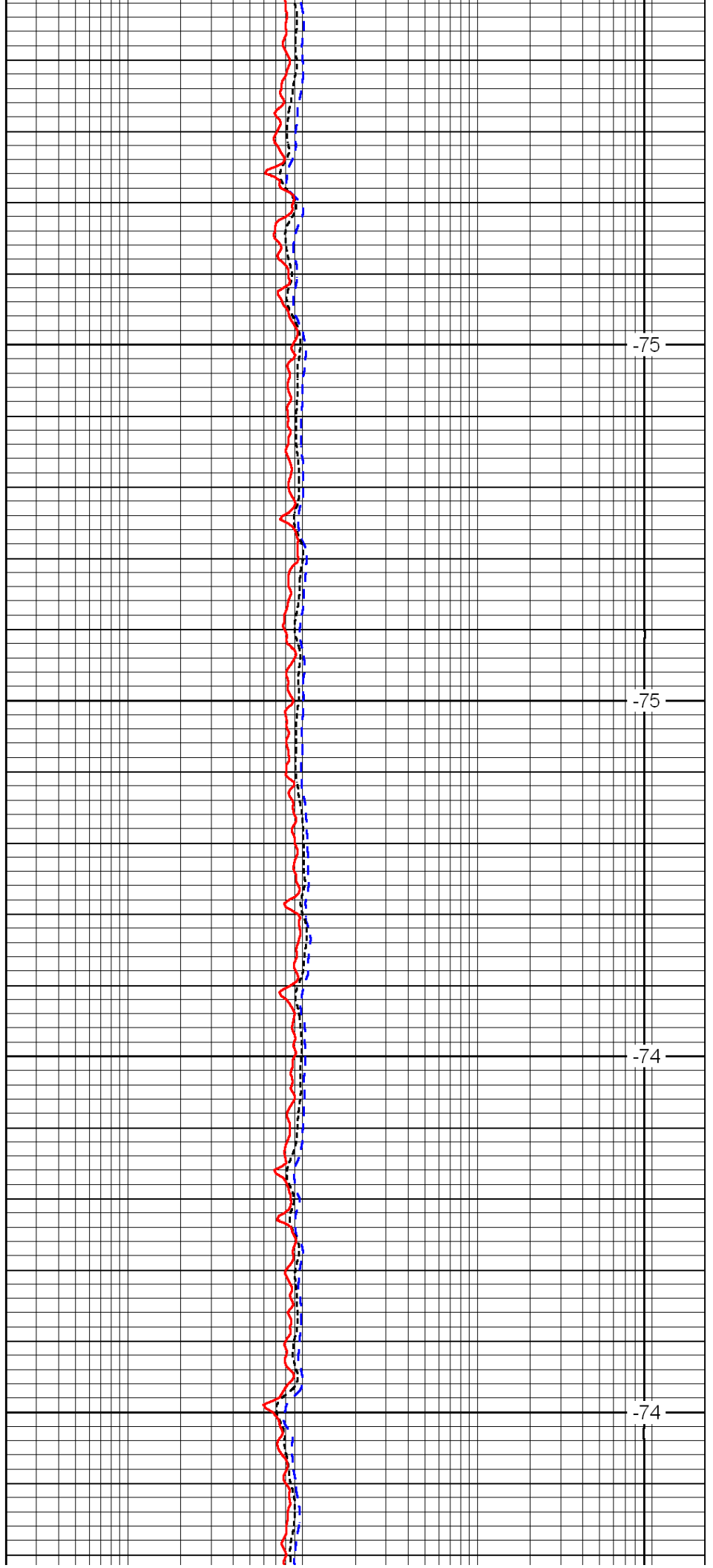


450

500

550

600

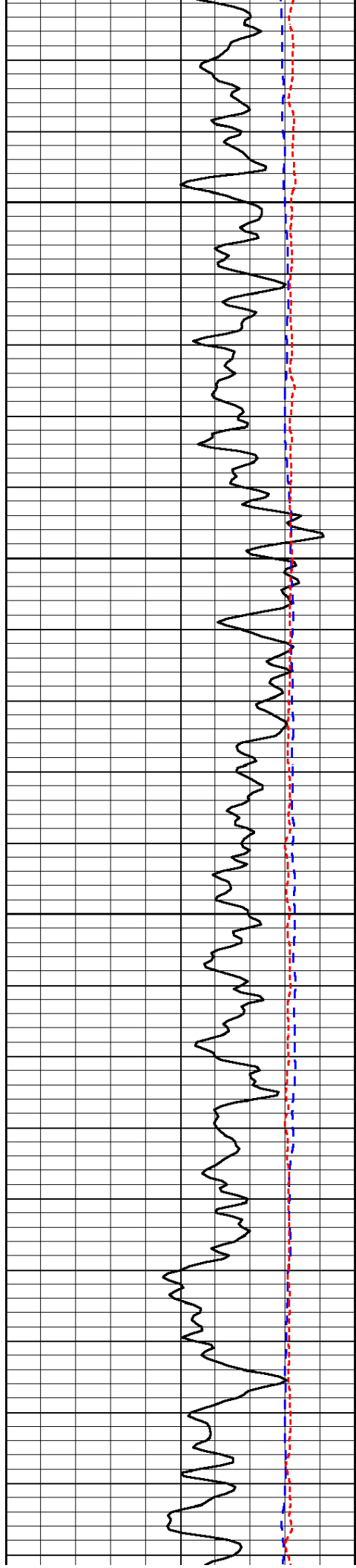


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-75

-74

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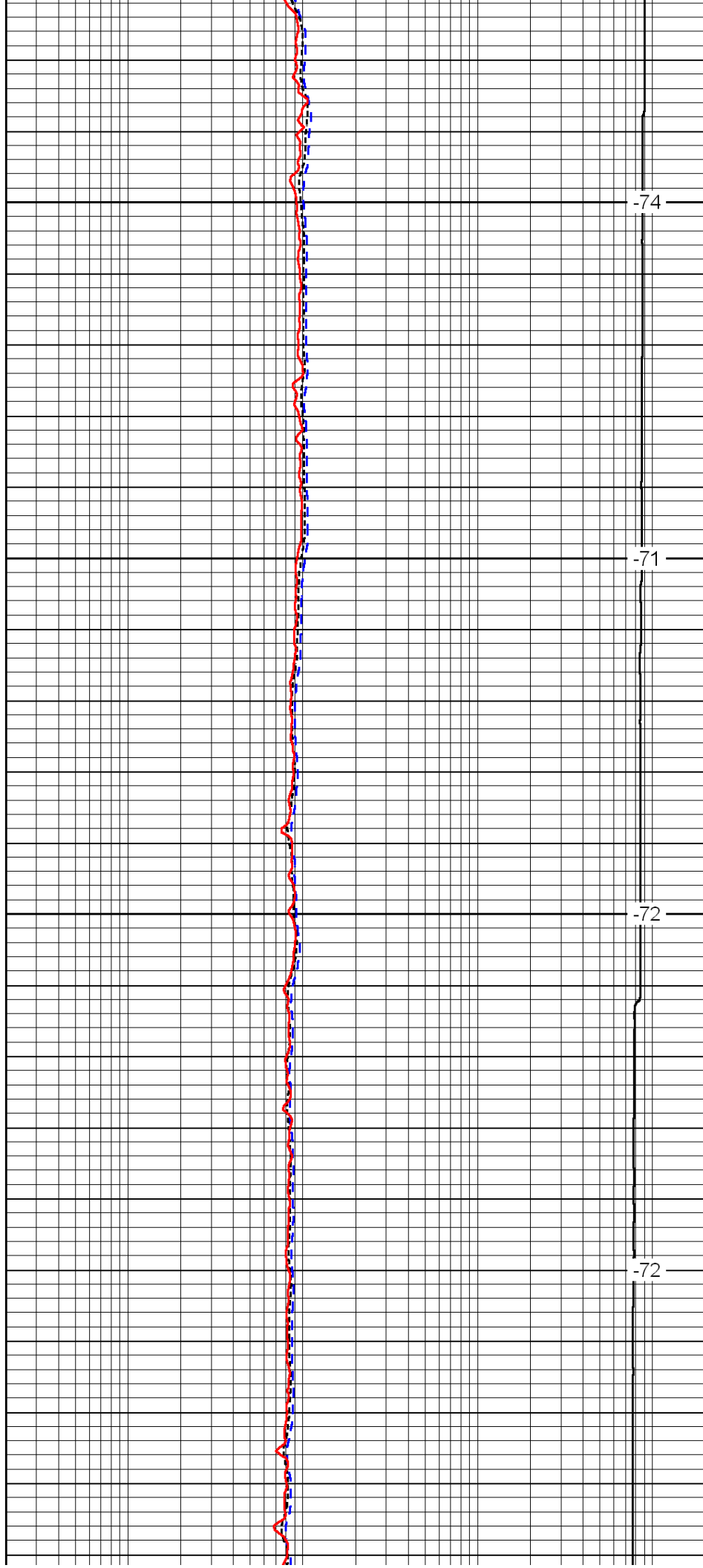


650

700

750

800

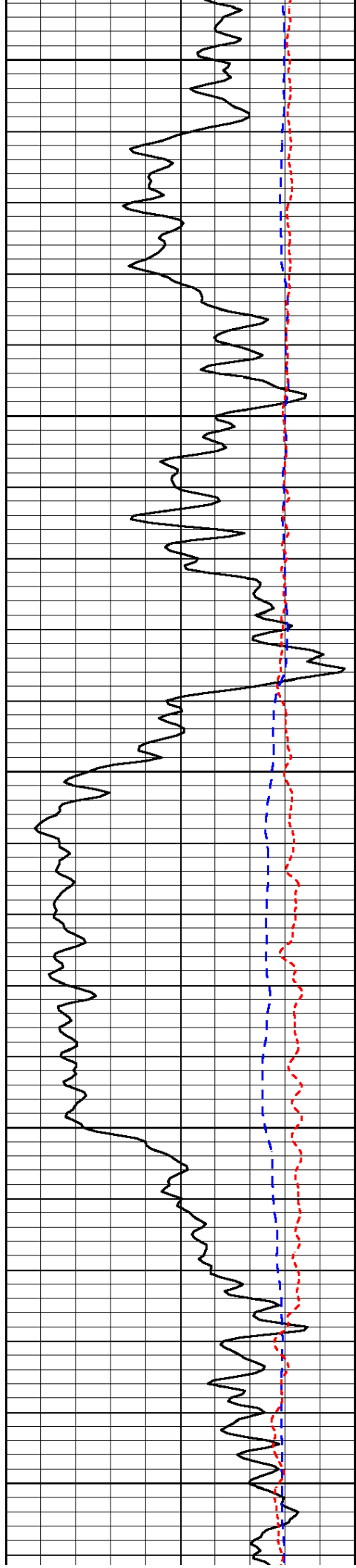


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-71

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-72



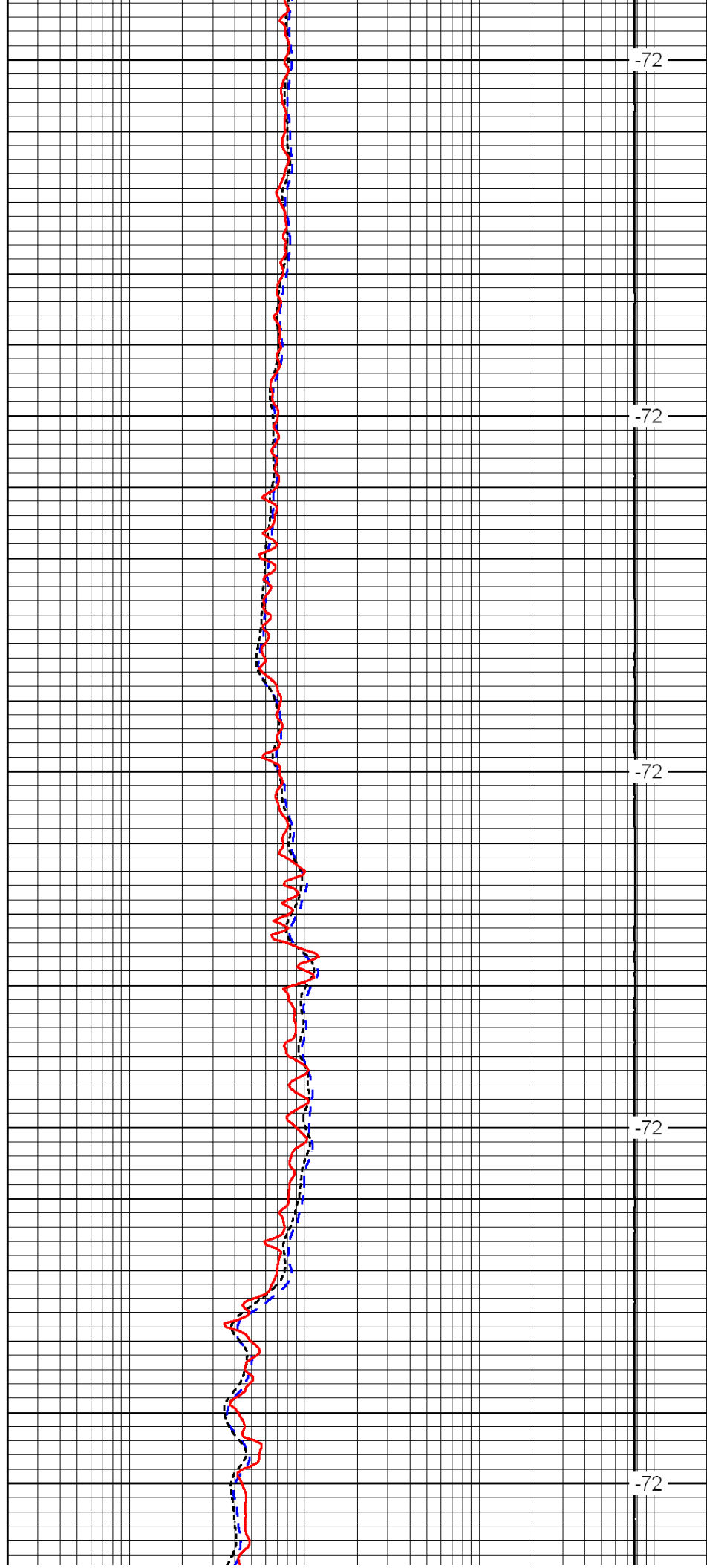
850

900

950

1000

1050



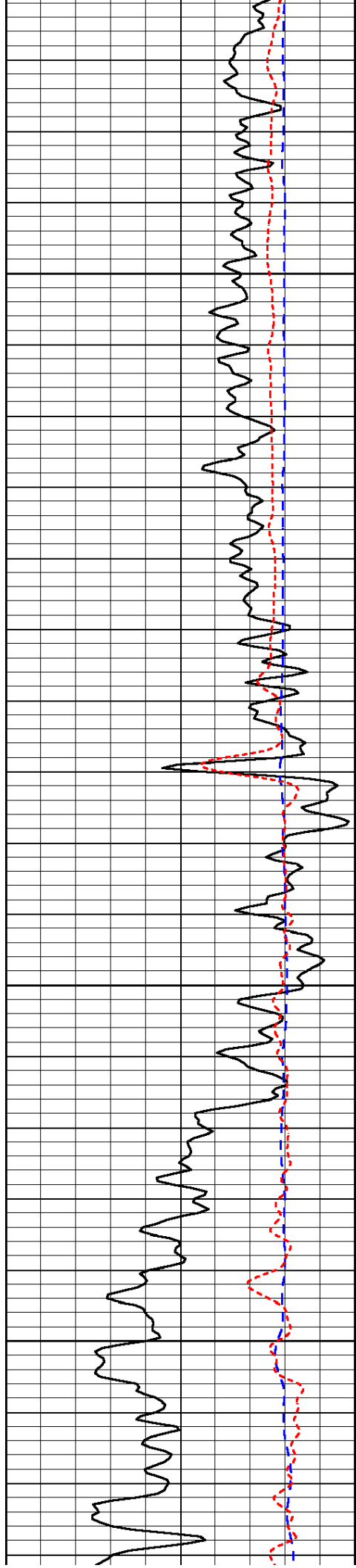
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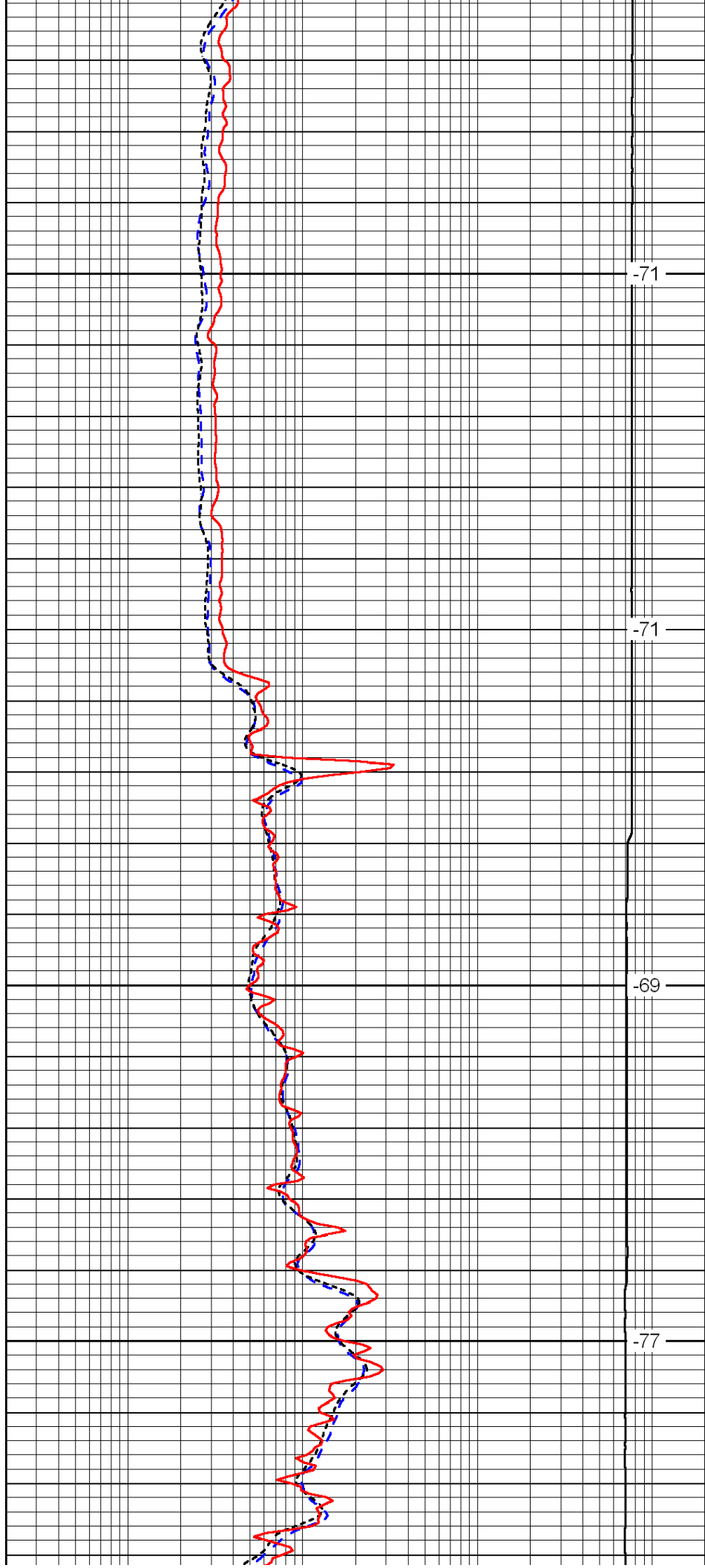


1100

1150

1200

1250

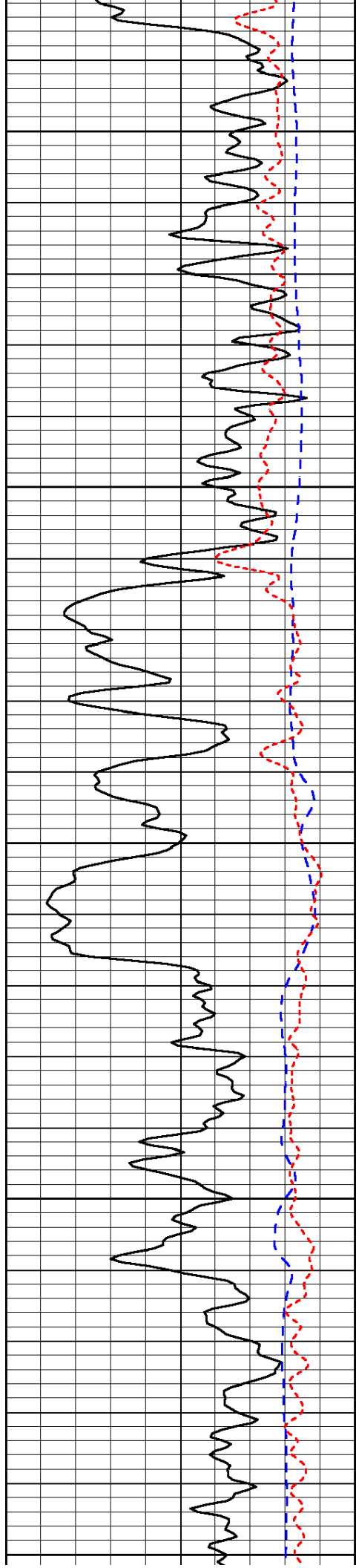


-71

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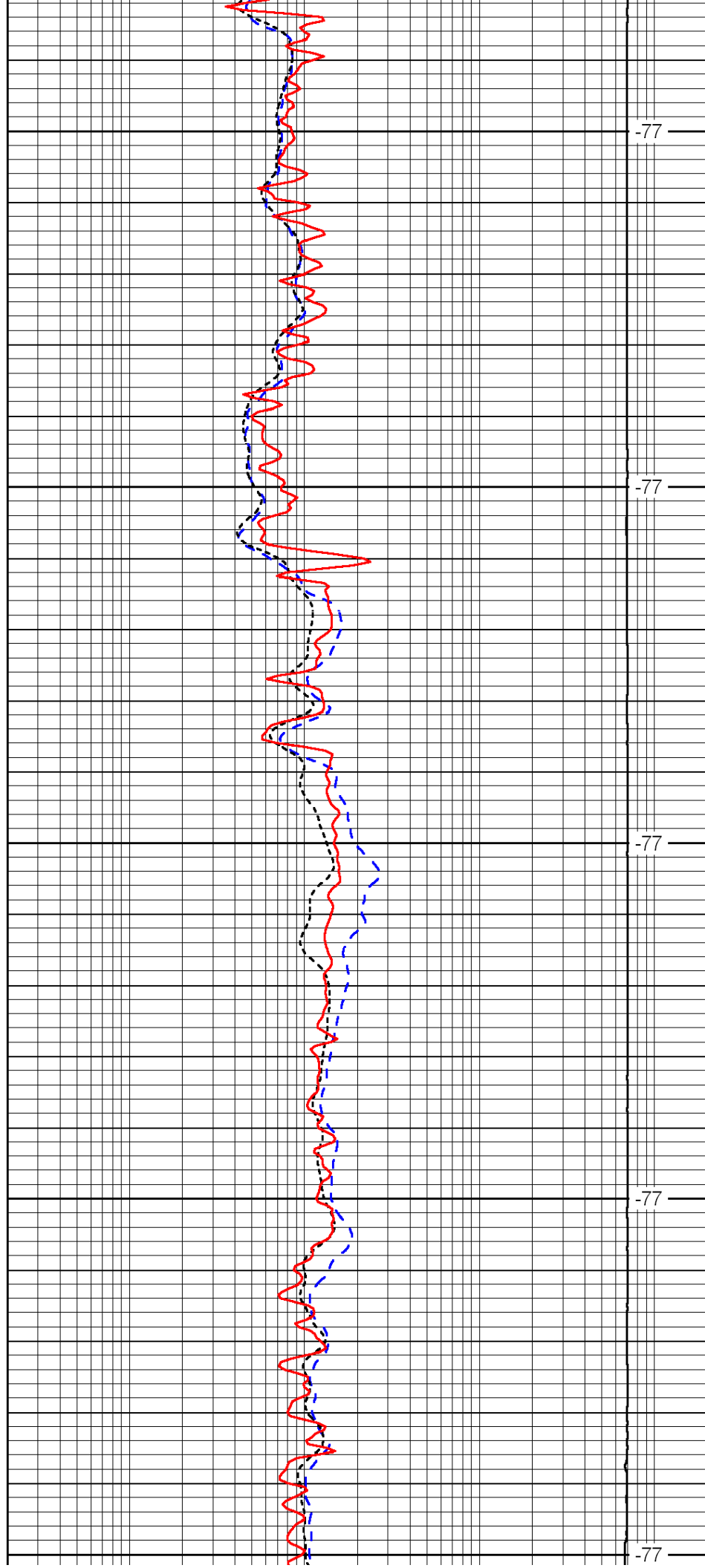
1300

1350

1400

1450

1500



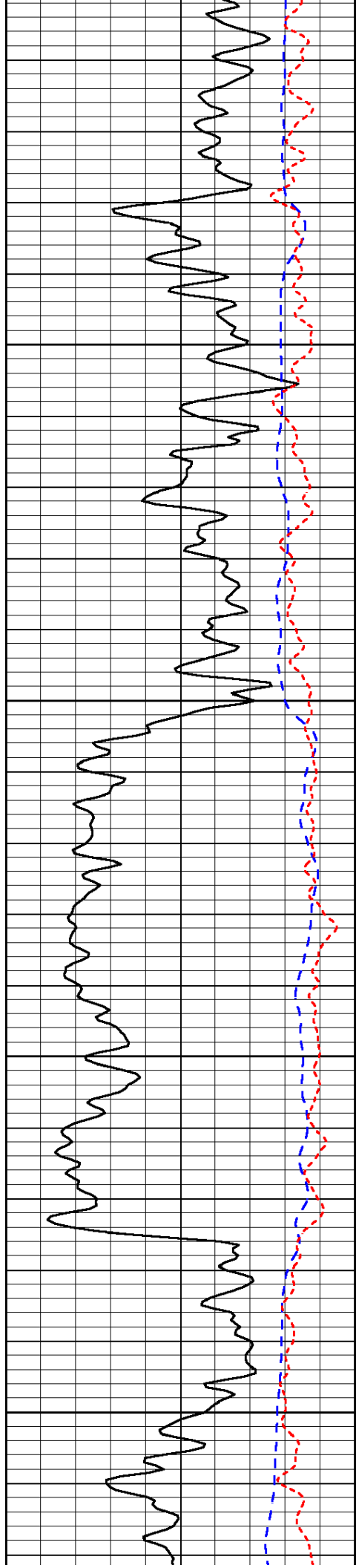
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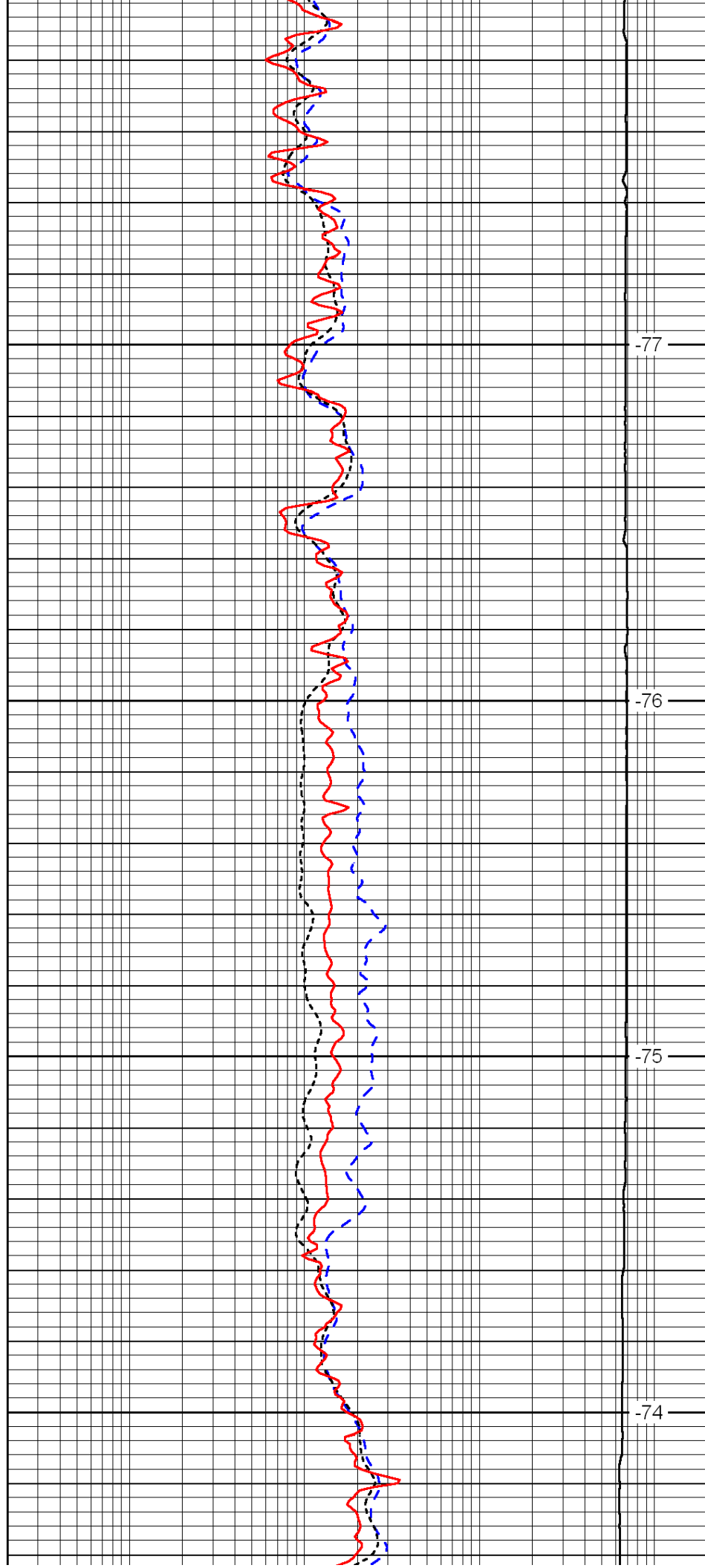


1550

1600

1650

1700

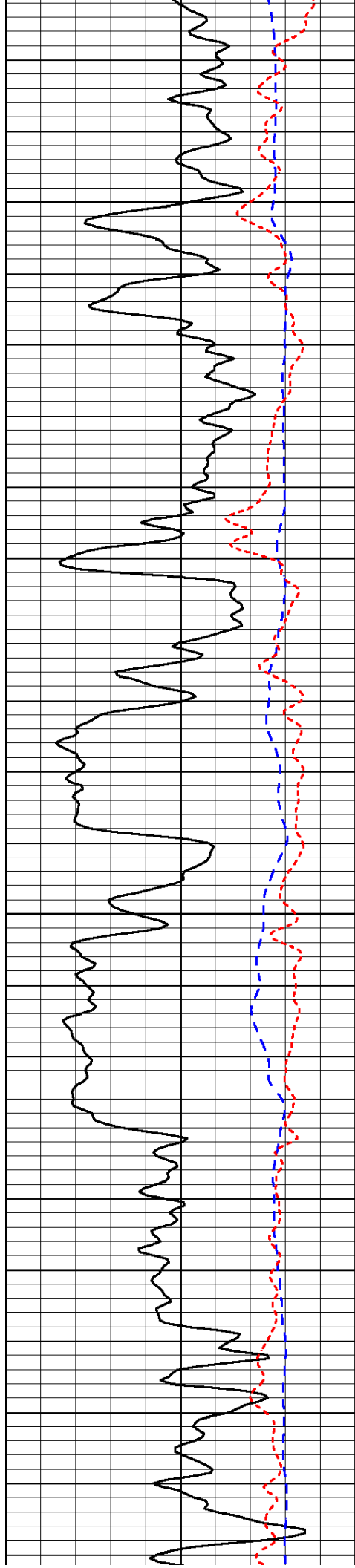


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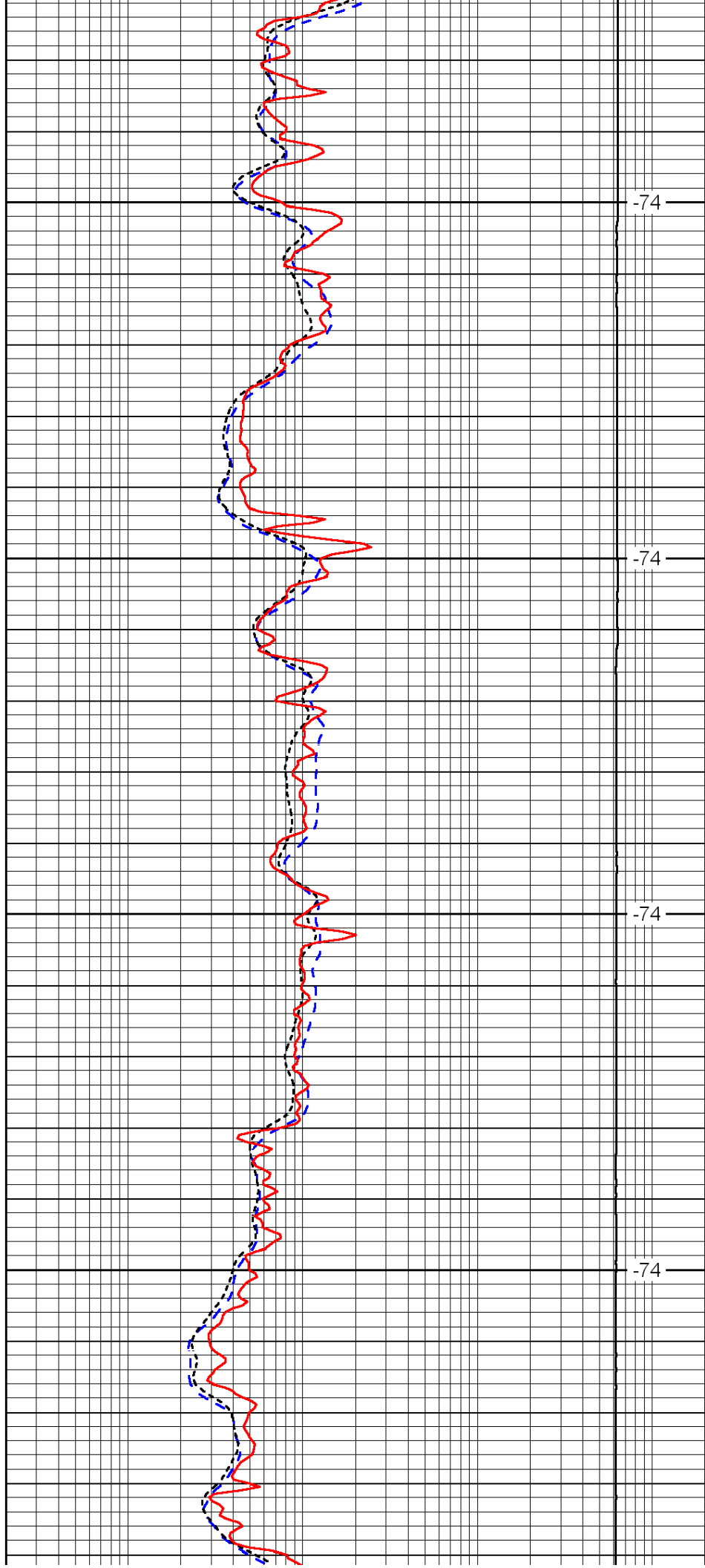


1750

1800

1850

1900

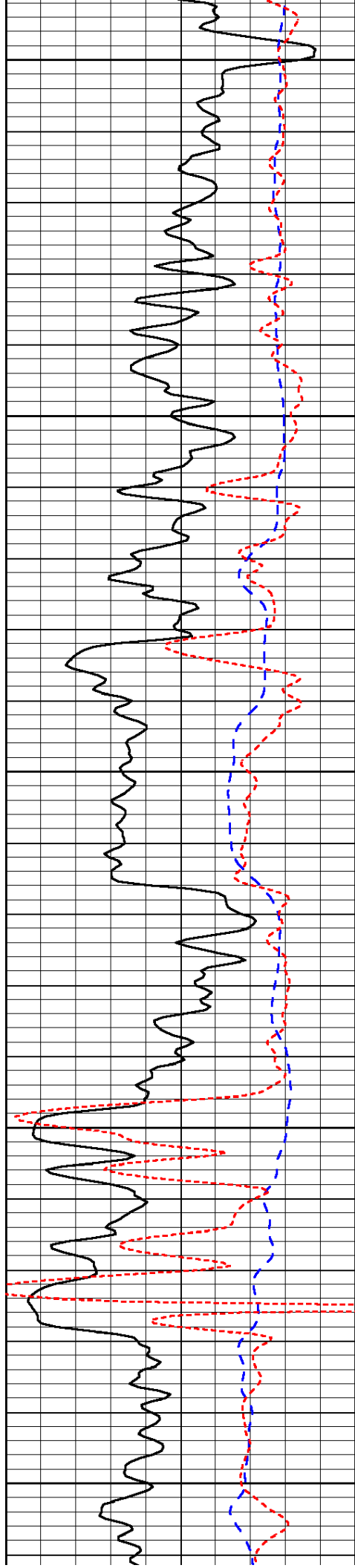


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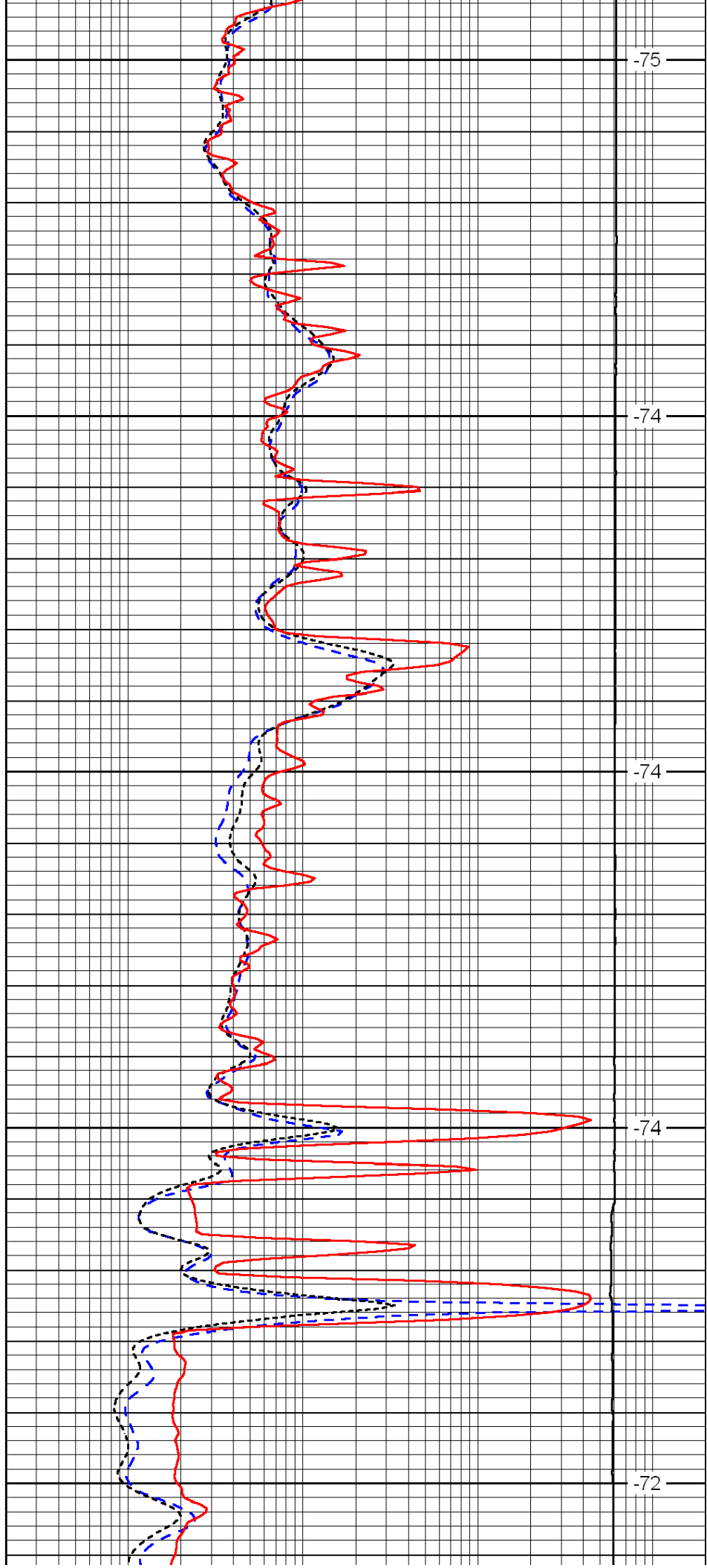
1950

2000

2050

2100

2150



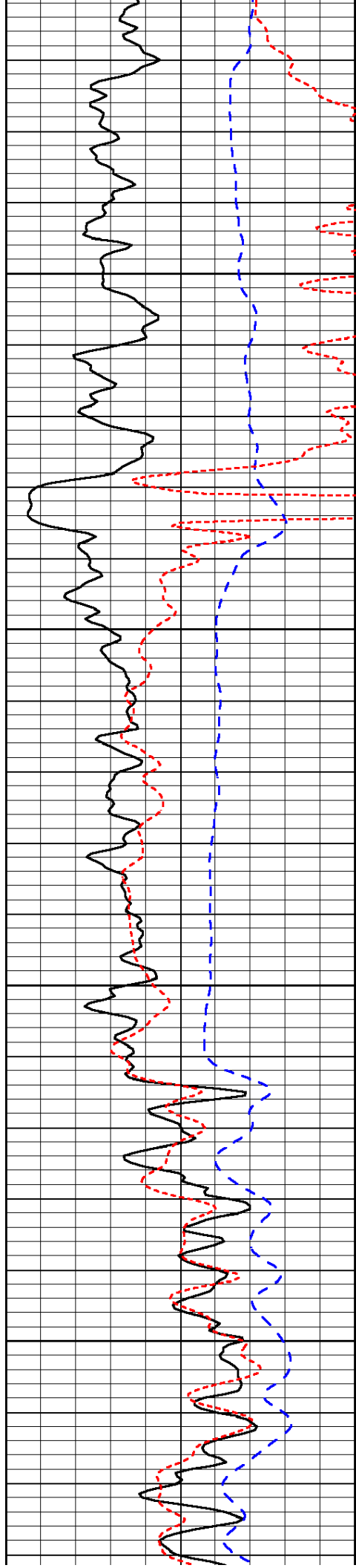
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-74

-74

-74

-72

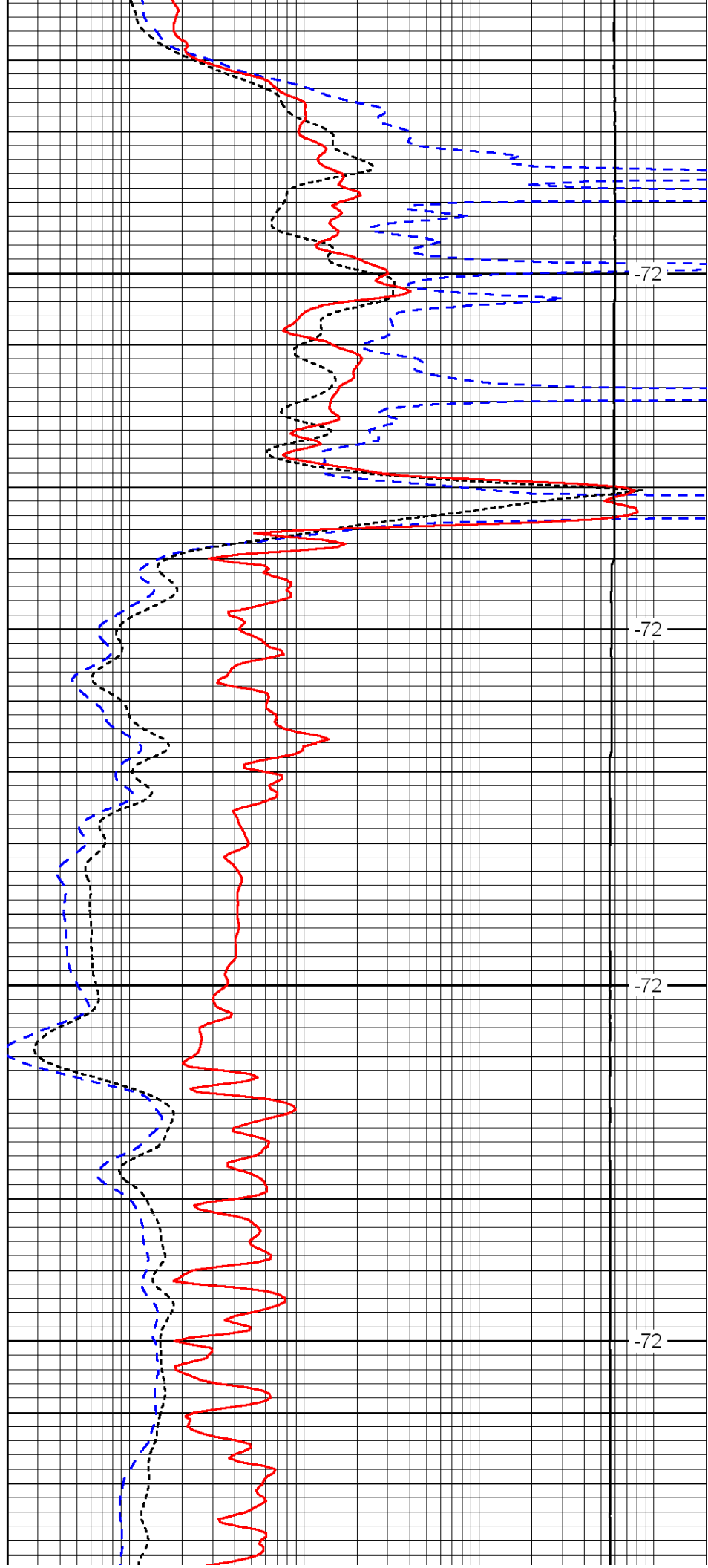


2200

2250

2300

2350

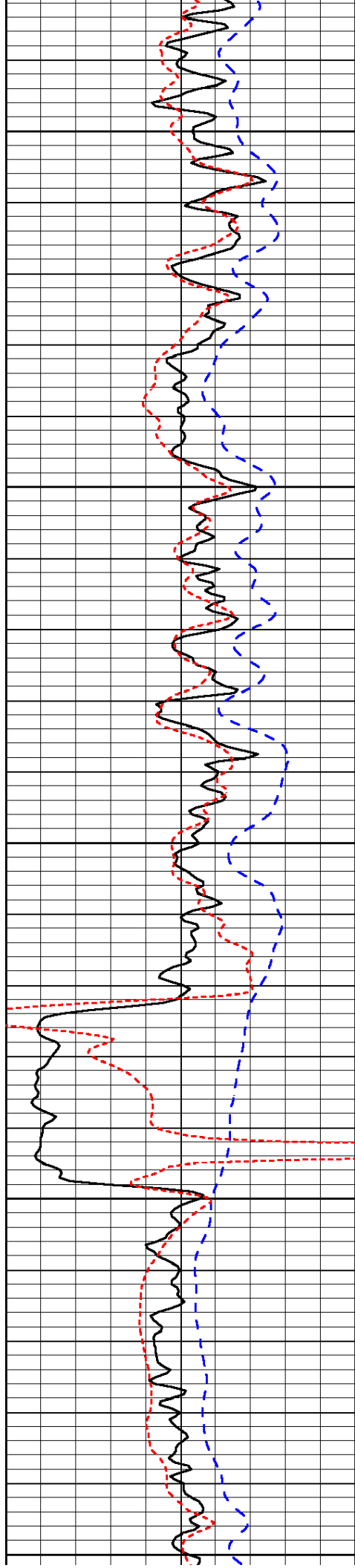


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-72

-72

-72



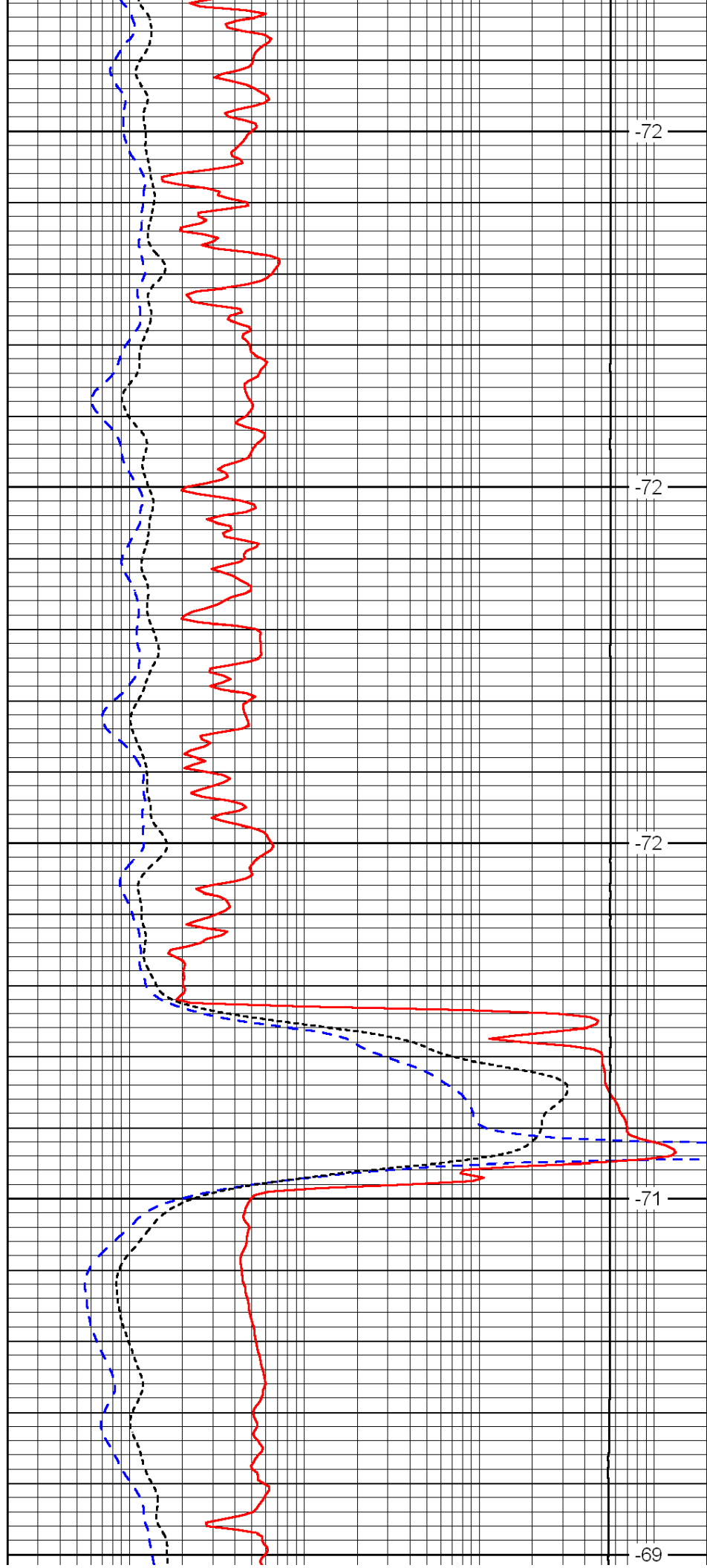
2400

2450

2500

2550

2600



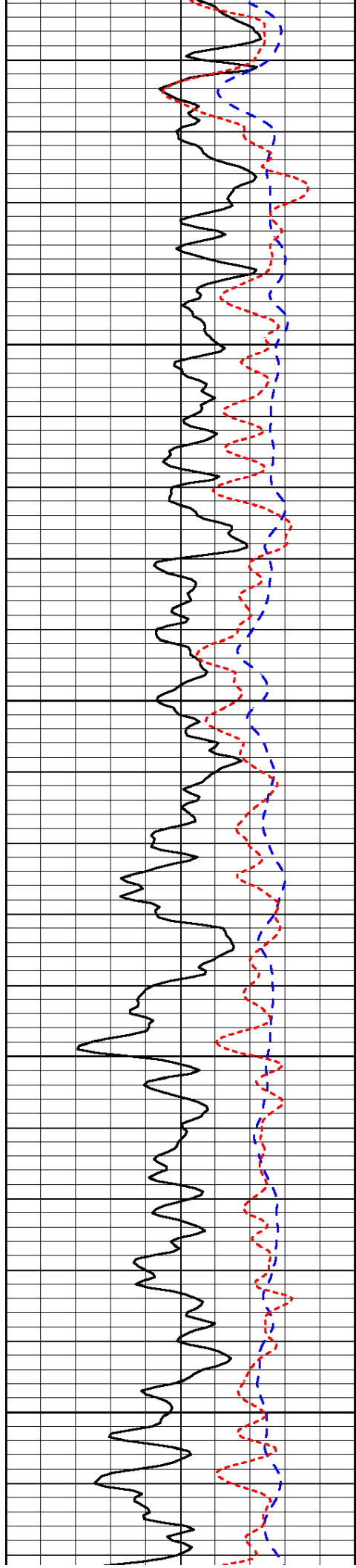
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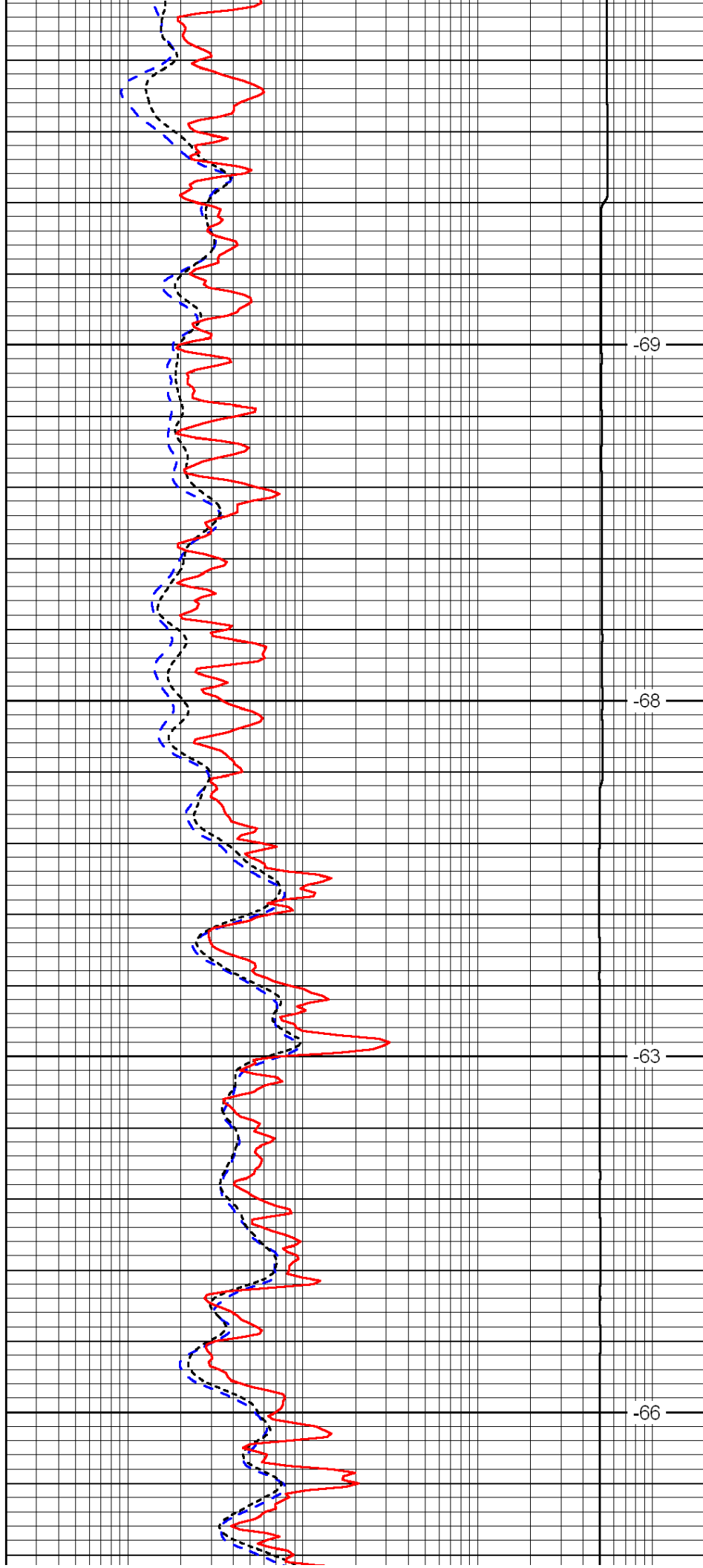


2650

2700

2750

2800

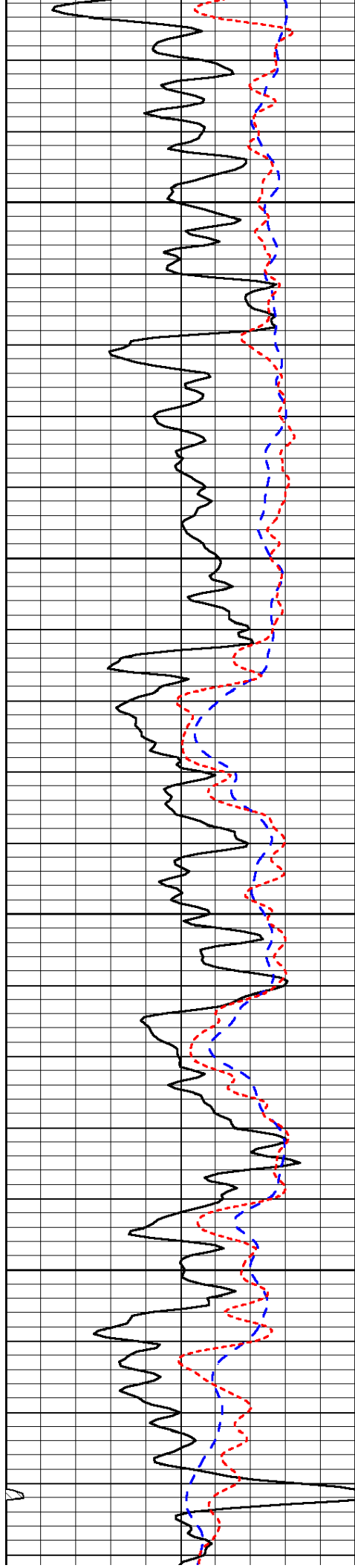


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-68

-63

-66

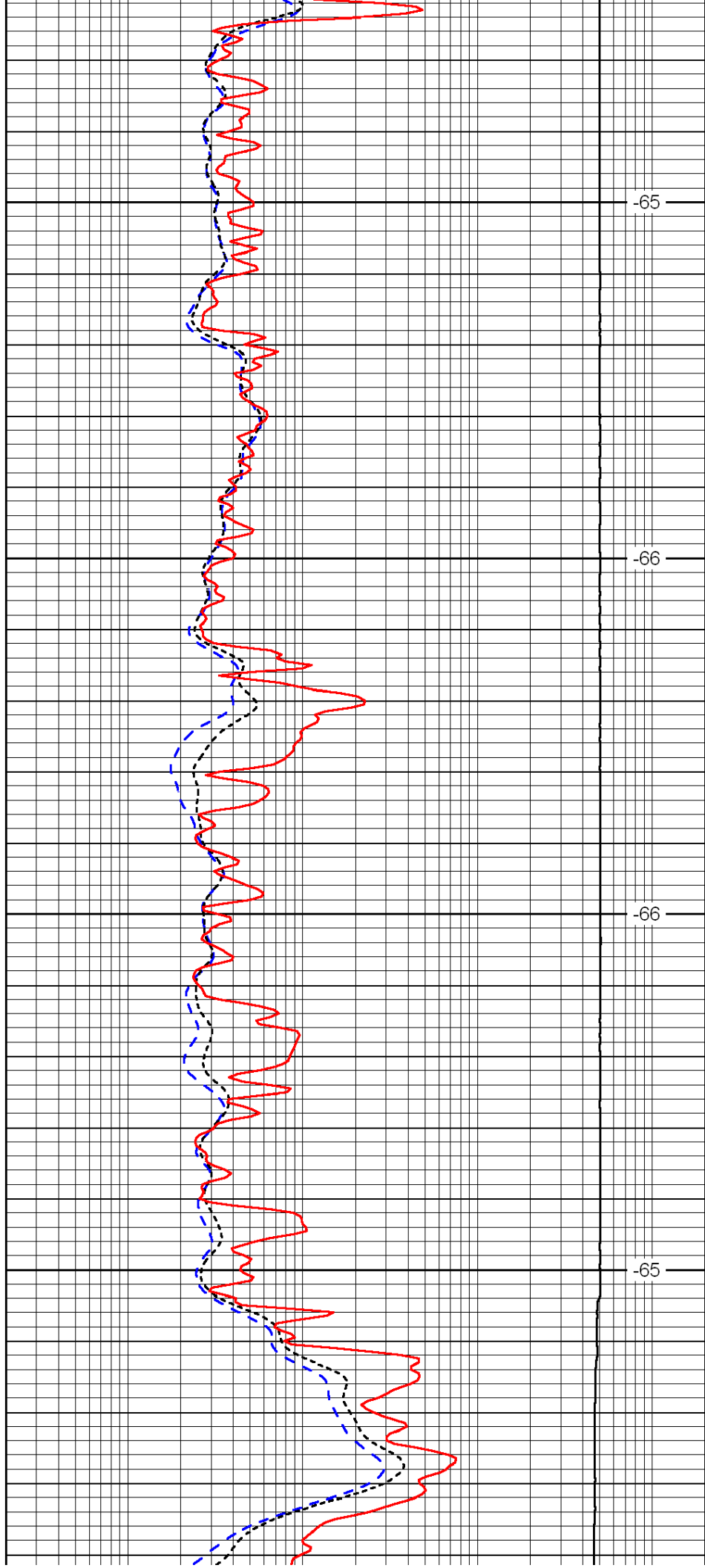


2850

2900

2950

3000

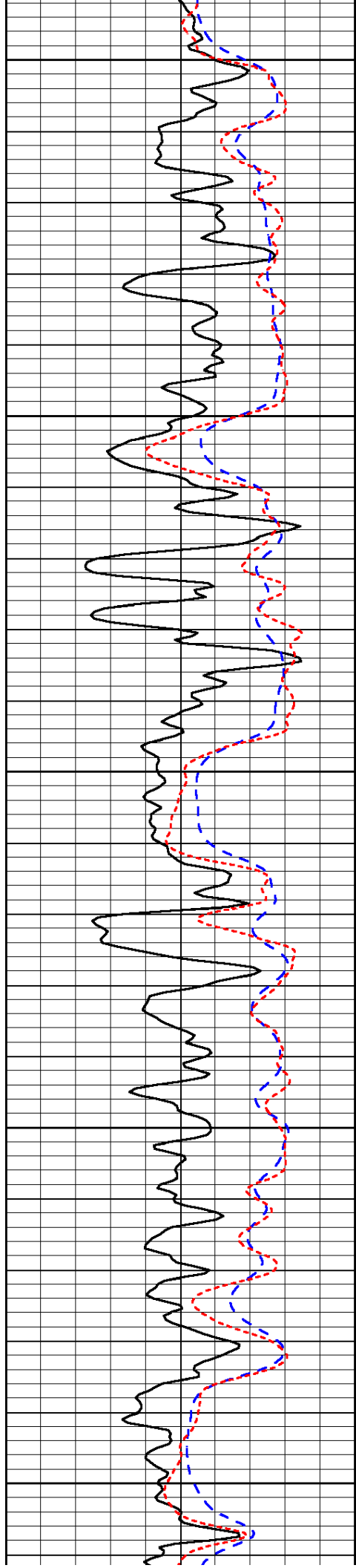


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-66

-65



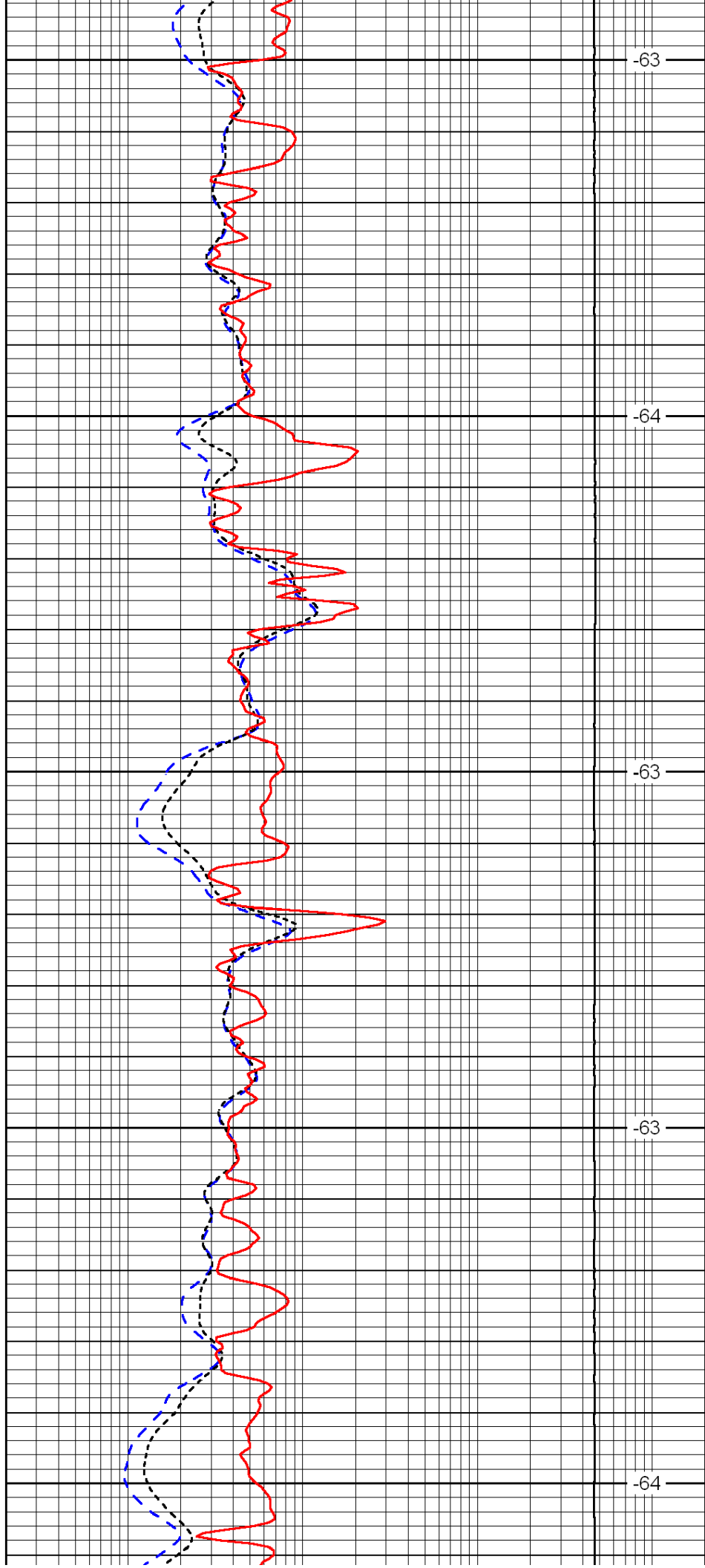
3050

3100

3150

3200

3250



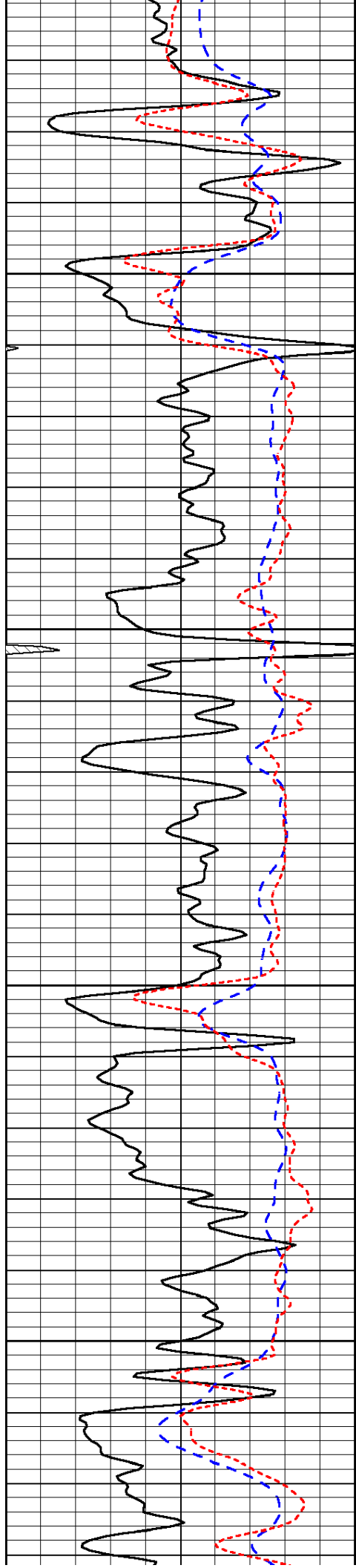
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-64

-63

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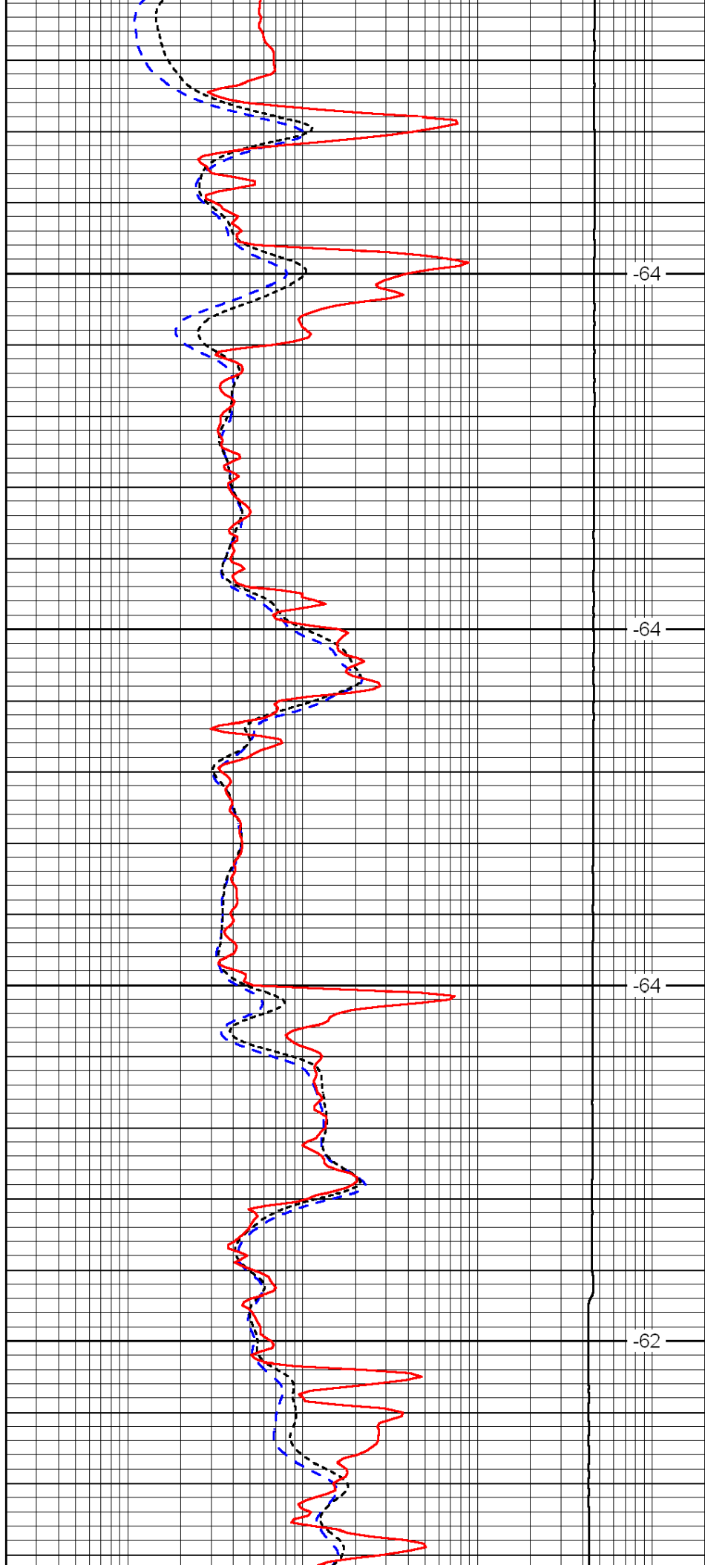


3300

3350

3400

3450

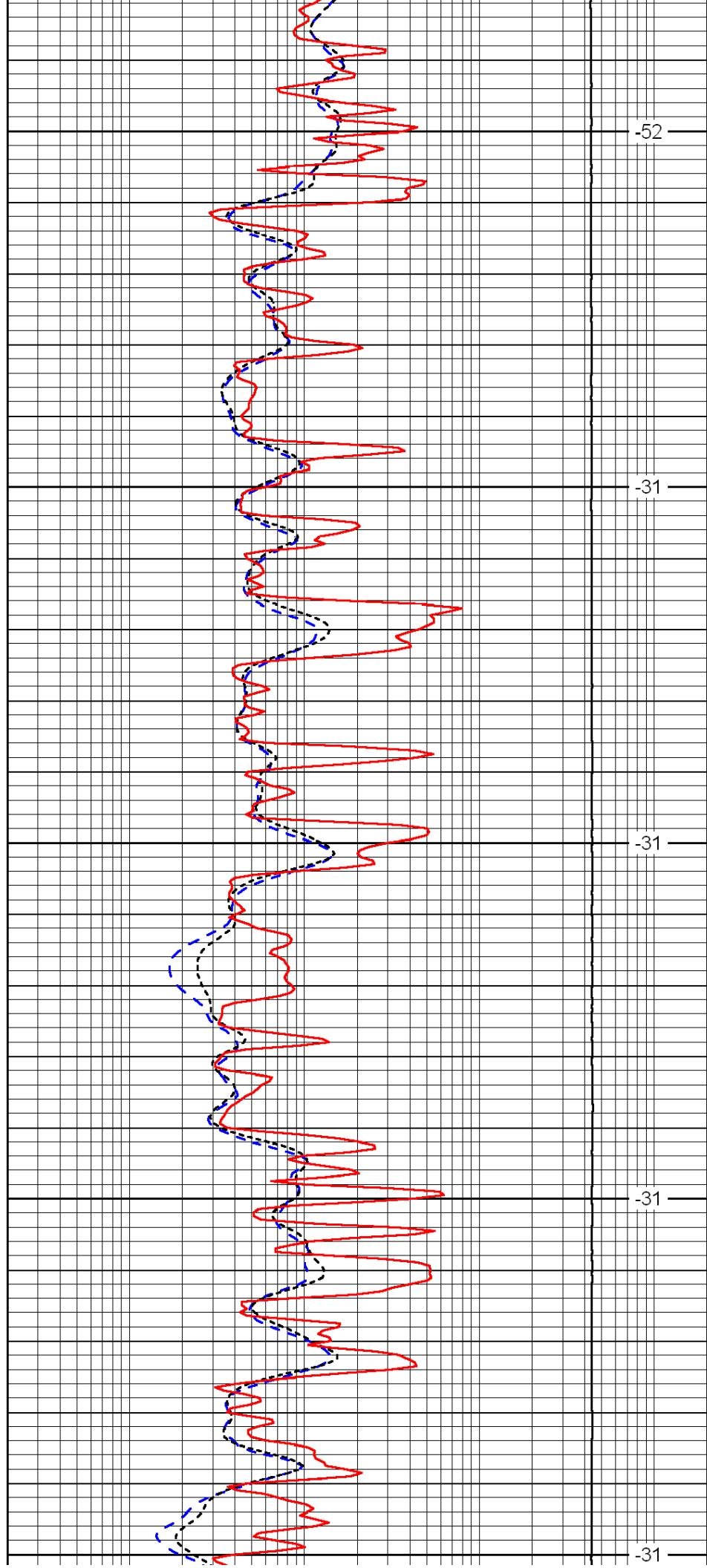
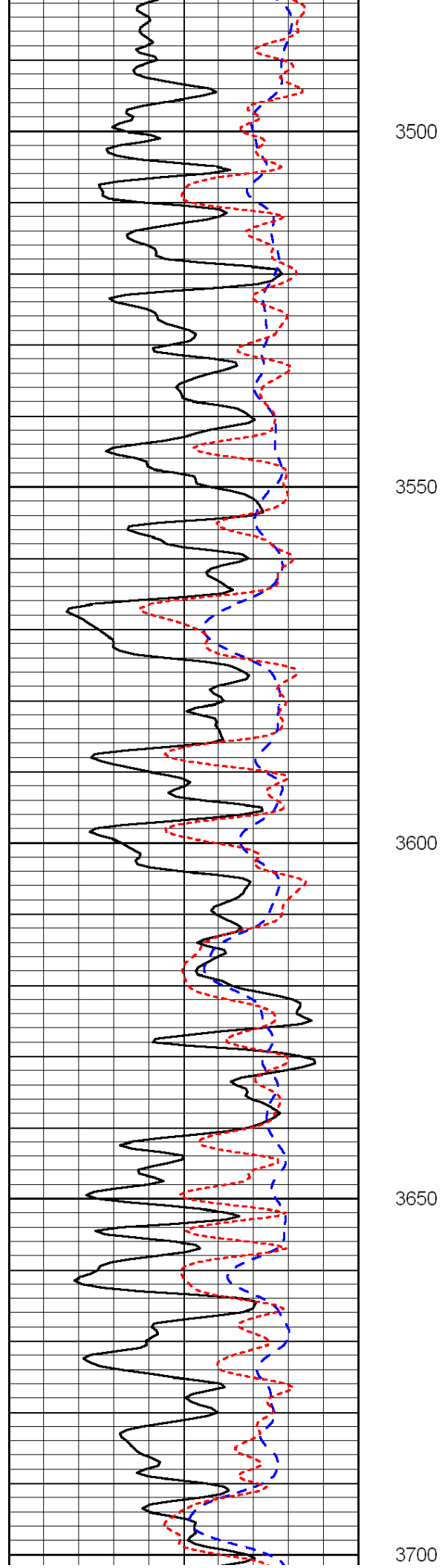


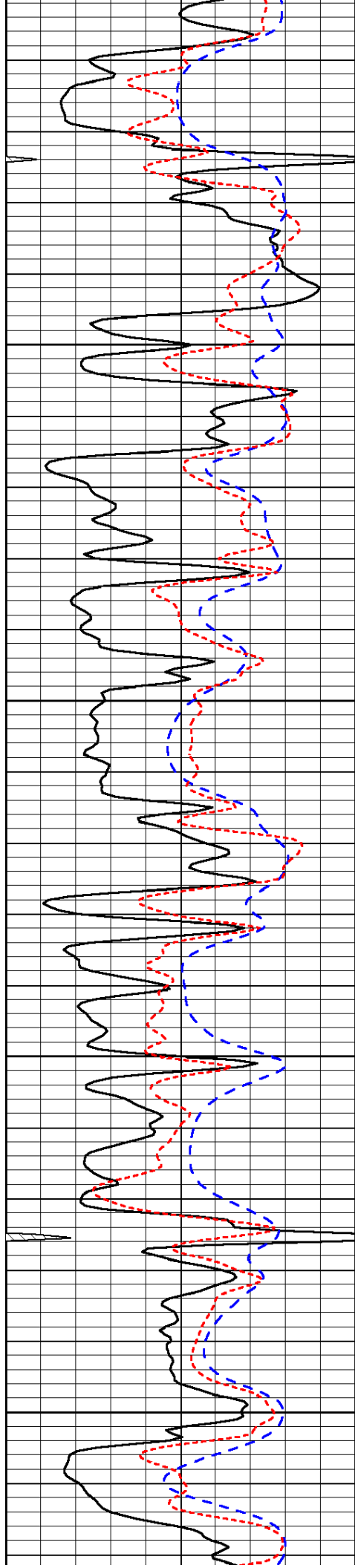
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-64

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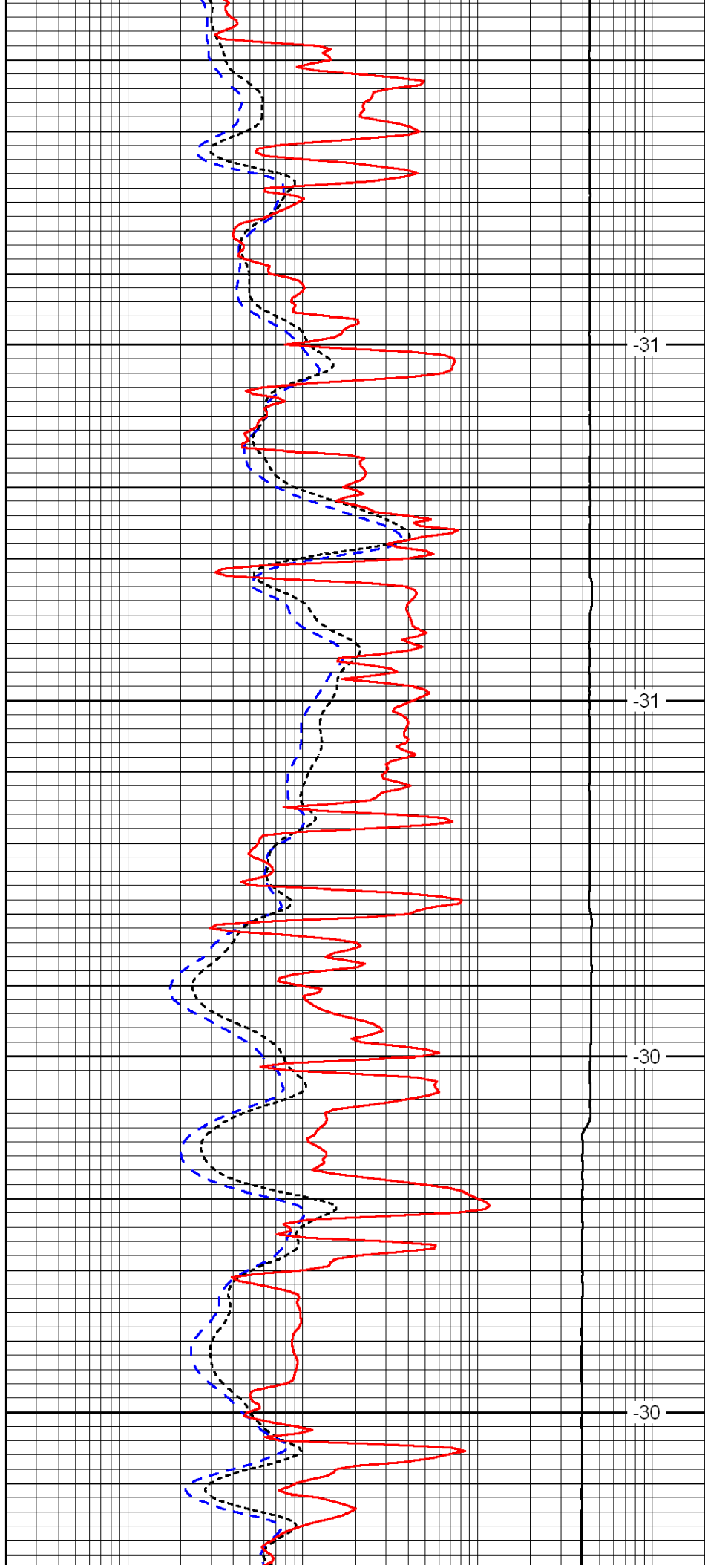


3750

3800

3850

3900

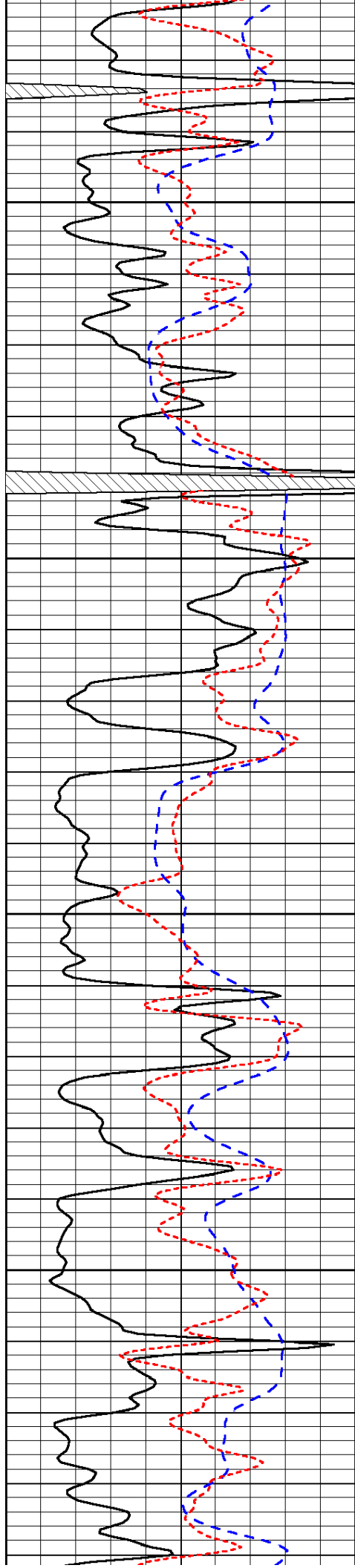


-31

-31

-30

-30

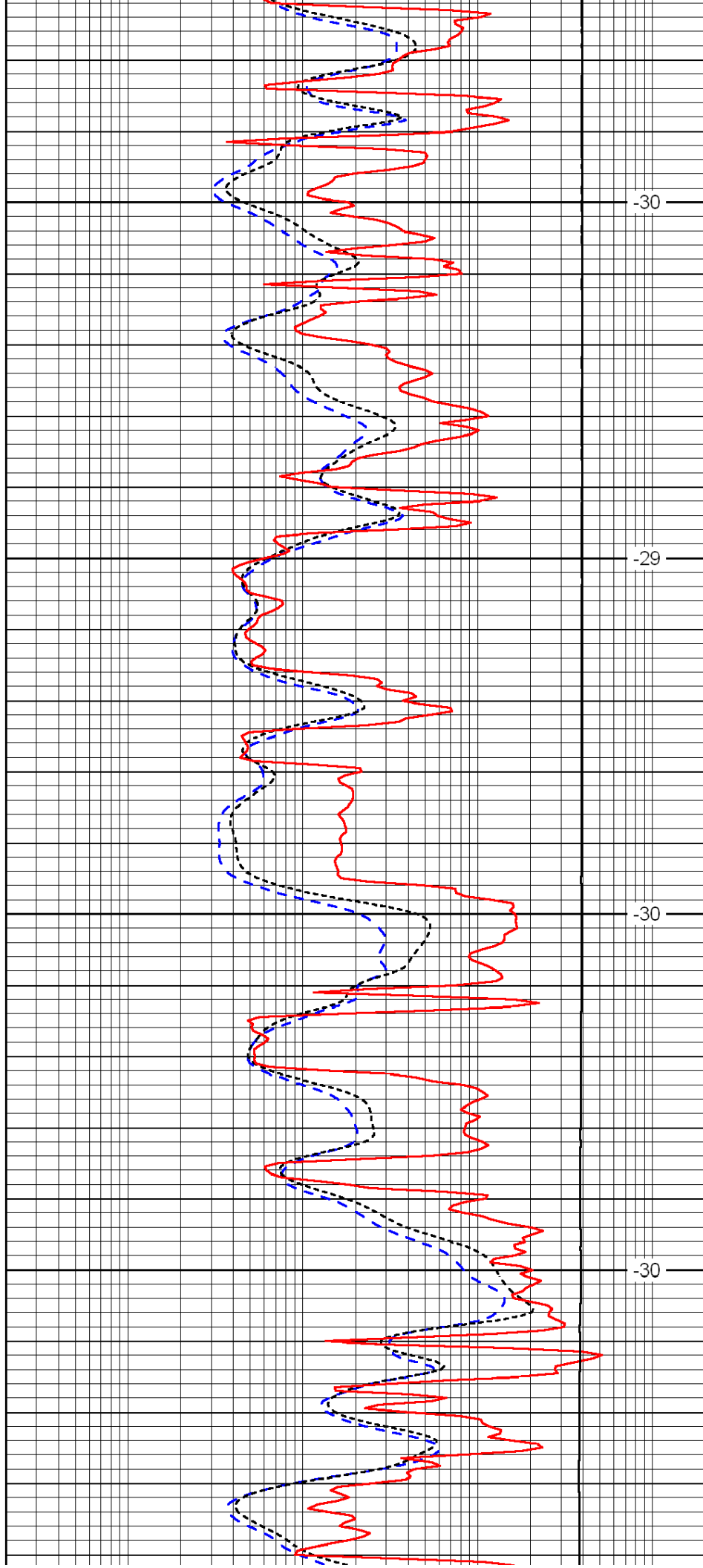


3950

4000

4050

4100

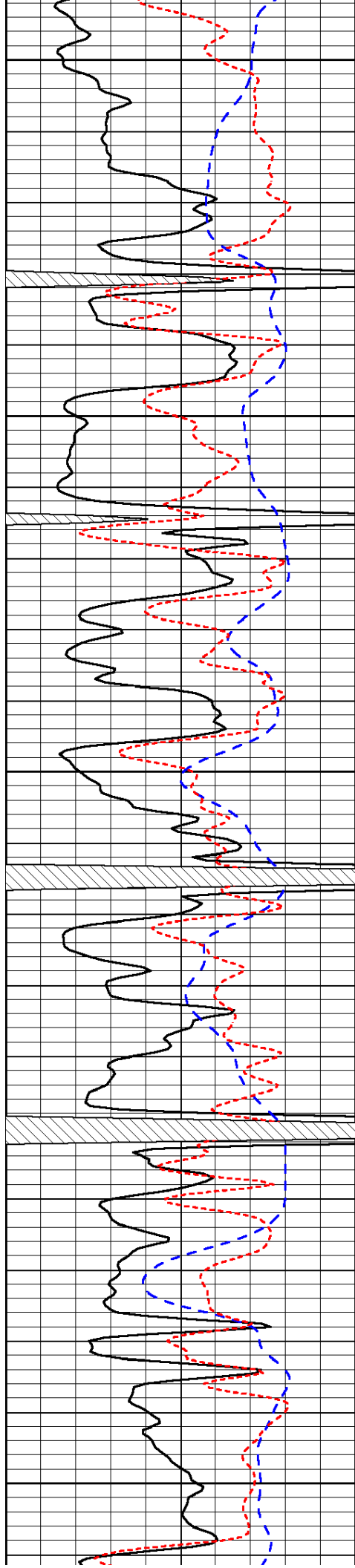


-30

-29

-30

-30



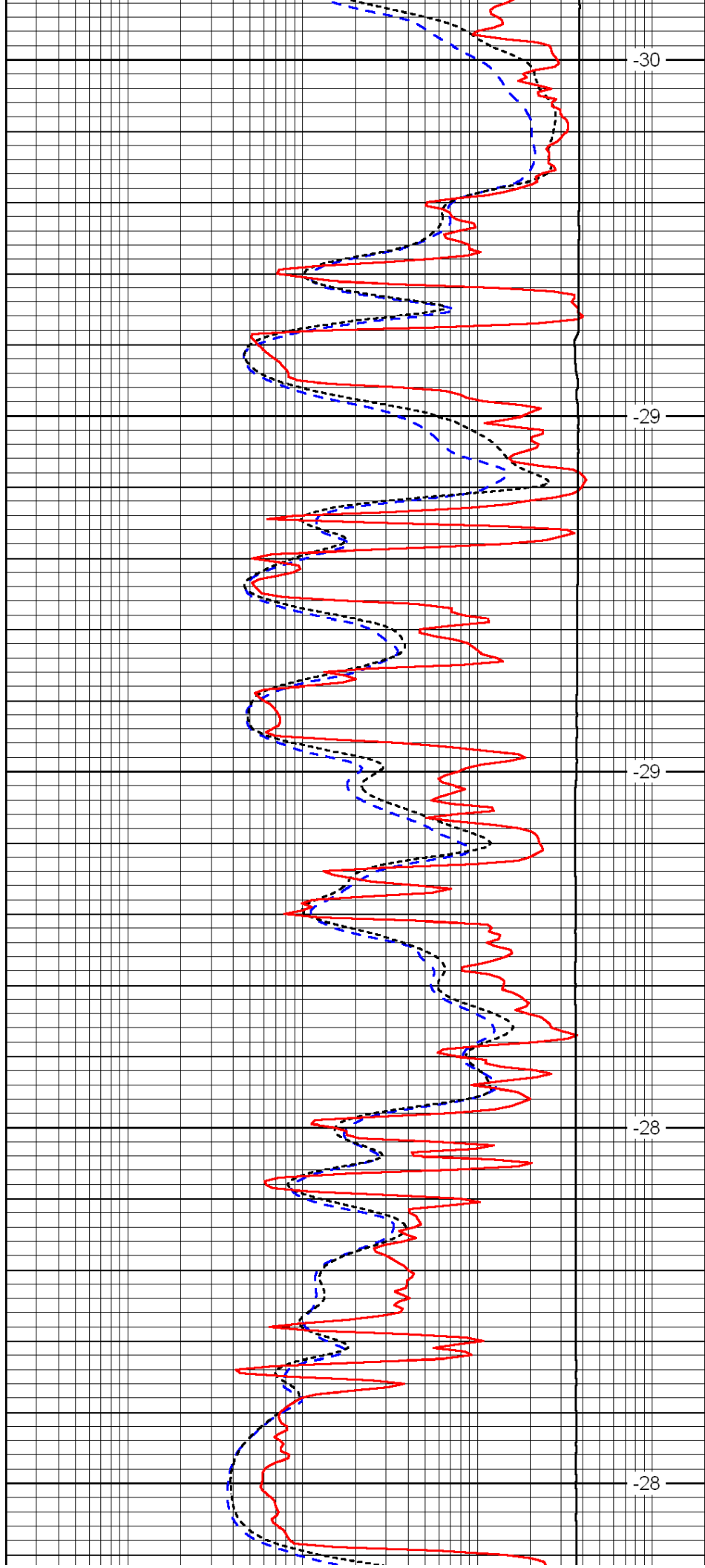
4150

4200

4250

4300

4350



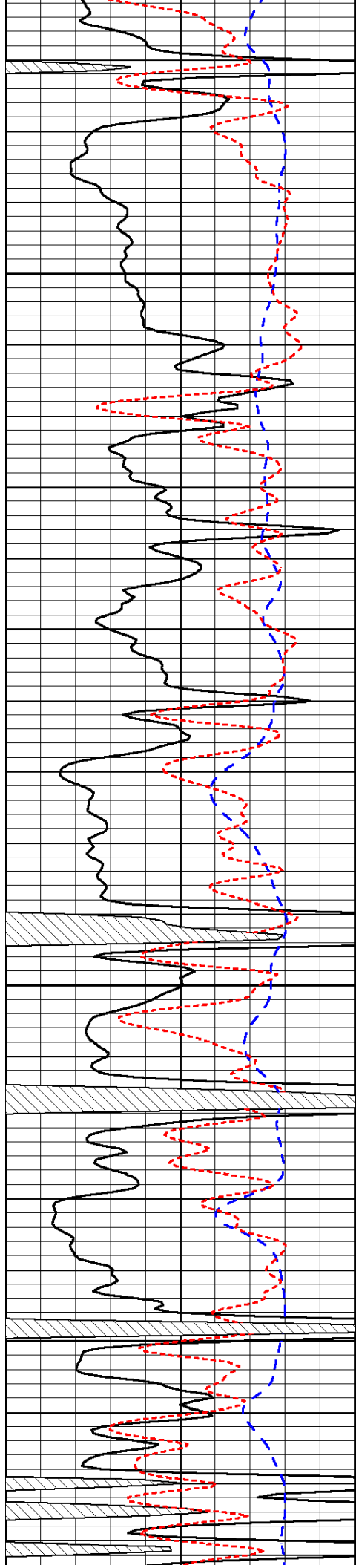
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-29

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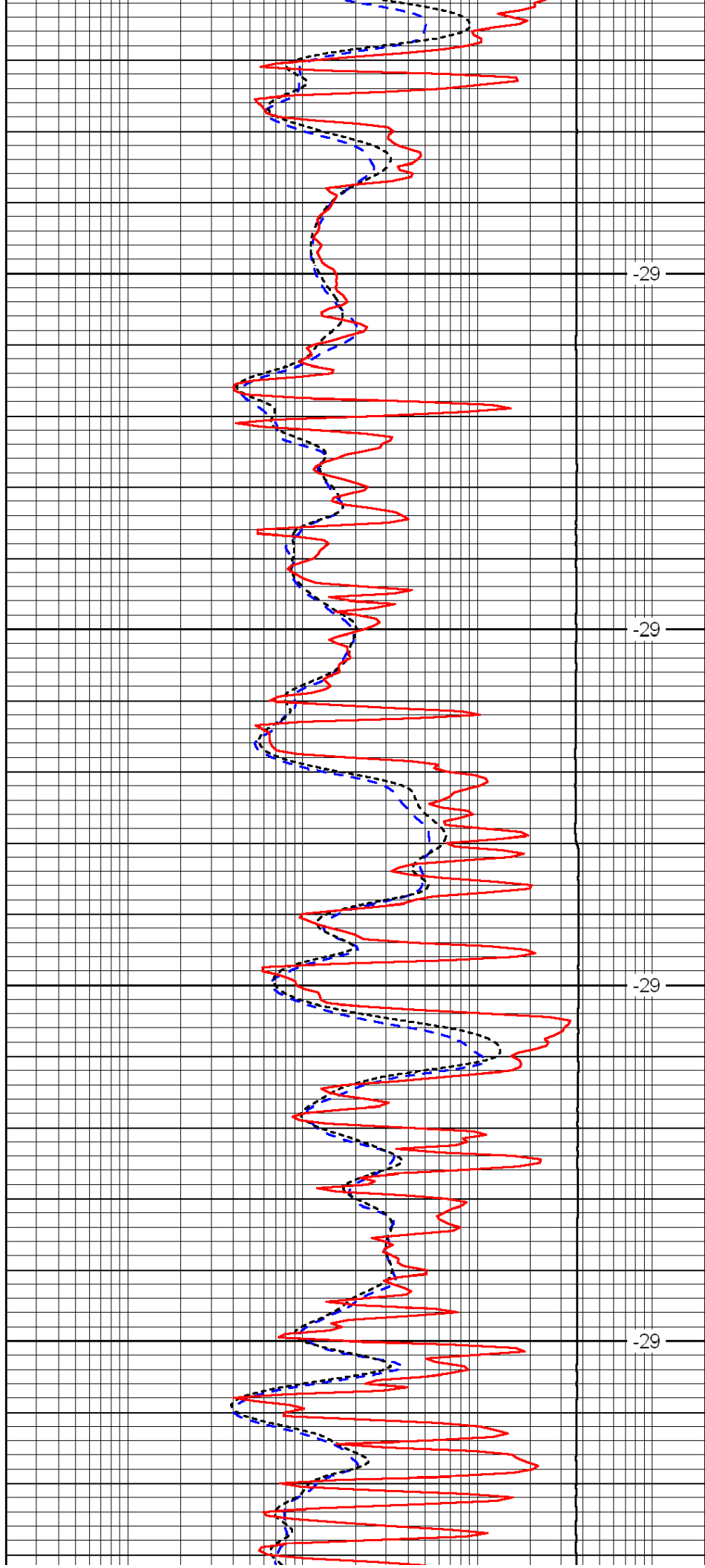


4400

4450

4500

4550

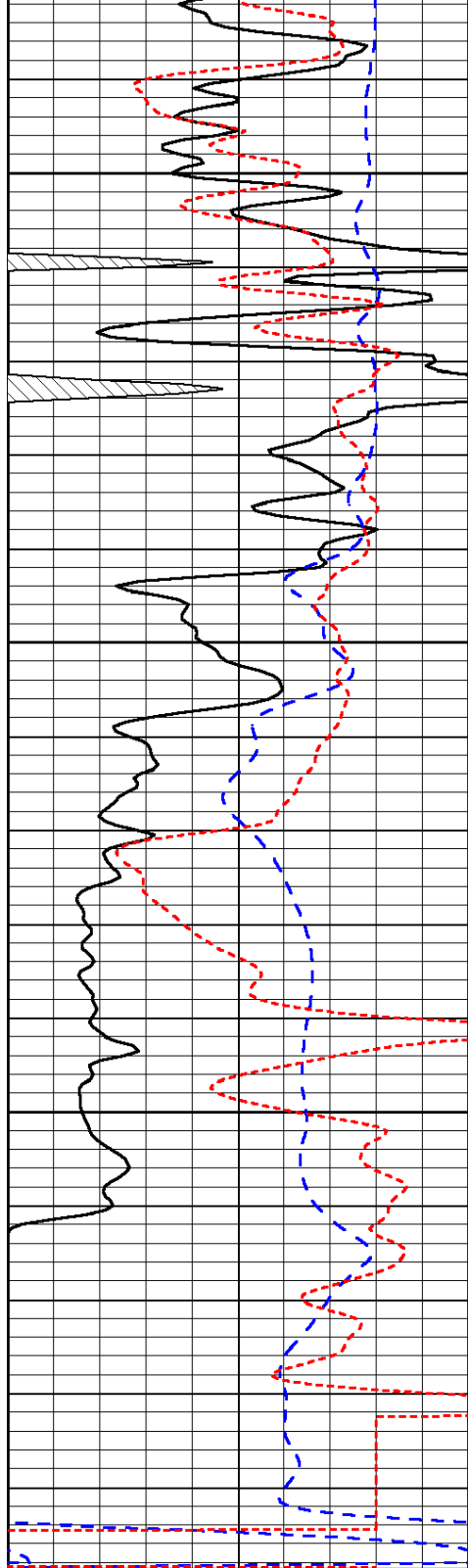


-29

-29

-29

-29

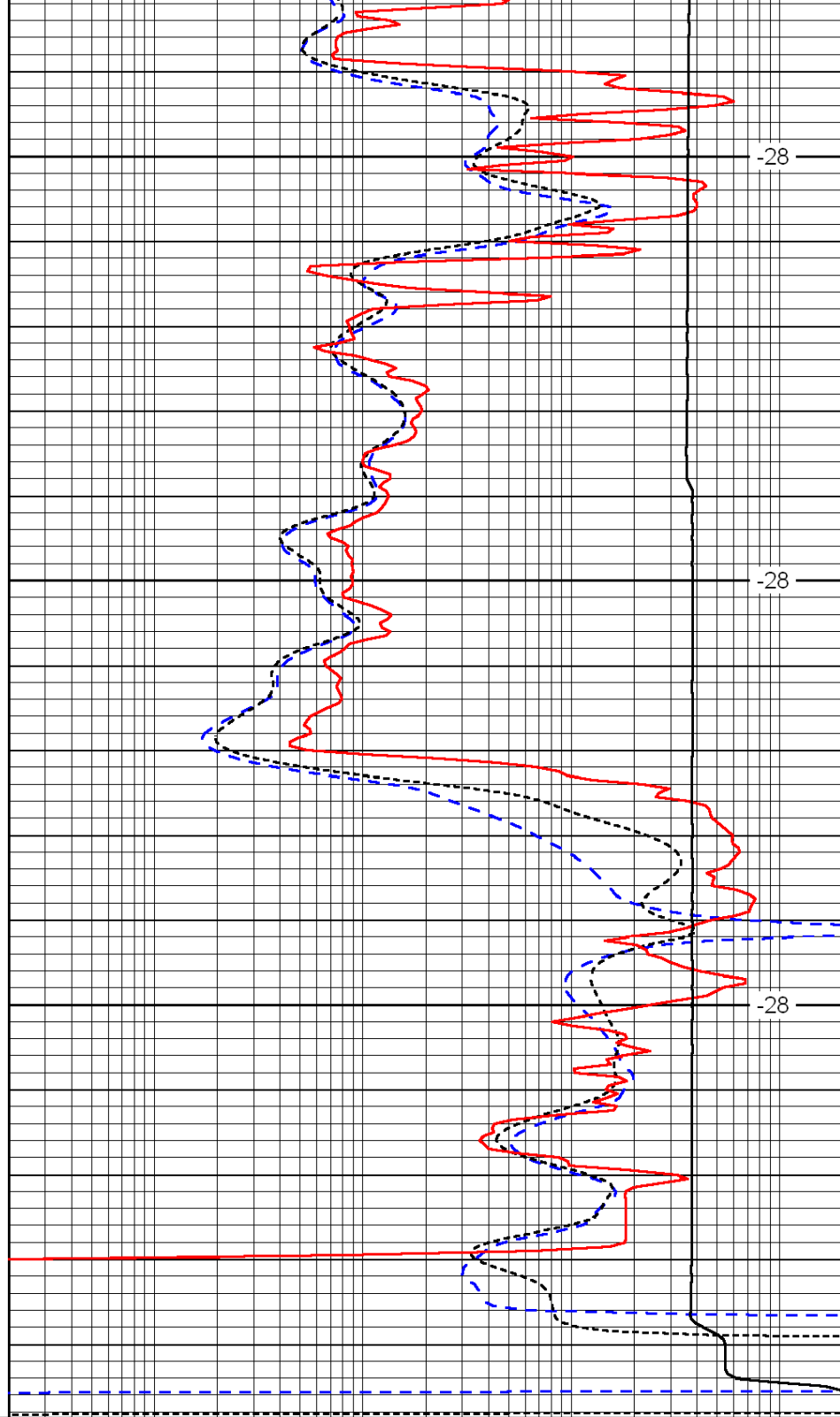


0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

4600

4650

4700



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

LSPD