



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Murfin Drilling Company, Inc.		
15-109-20,857-00-00	Well Voth #1-1		
	Field Wildcat		
	County Logan	State	Kansas
	Location	2100' FNL & 2100' FWL	
	Sec: 1	Twp: 13S	Rge: 33W
	Permanent Datum	Ground Level	Elevation 3055
	Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
	Drilling Measured From	Kelly Bushing	K.B. 3065 D.F. 3055 G.L. 3055
Date		9/5/2009	
Run Number		One	
Depth Driller		4745	
Depth Logger		4747	
Bottom Logged Interval		4746	
Top Log Interval		00	
Casing Driller		8.625 @ 214	
Casing Logger		208	
Bit Size		7.875	
Type Fluid in Hole		Chemical	
Salinity, ppm CL		8.900	
Density / Viscosity		8.9 53	
pH / Fluid Loss		11.5 6.0	
Source of Sample		Flowline	
Rm @ Meas. Temp		.38 @ 84	
Rmf @ Meas. Temp		.29 @ 84	
Rmc @ Meas. Temp		.51 @ 84	
Source of Rmf / Rmc		Charts	
Rm @ BHT		.26 @ 123	
Operating Rig Time		4 Hours	
Max Rec. Temp. F		123	
Equipment Number		17	
Location		Hays	
Recorded By		T. Martin	
Witnessed By		Tom Funk	

<<< 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.

Comments

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

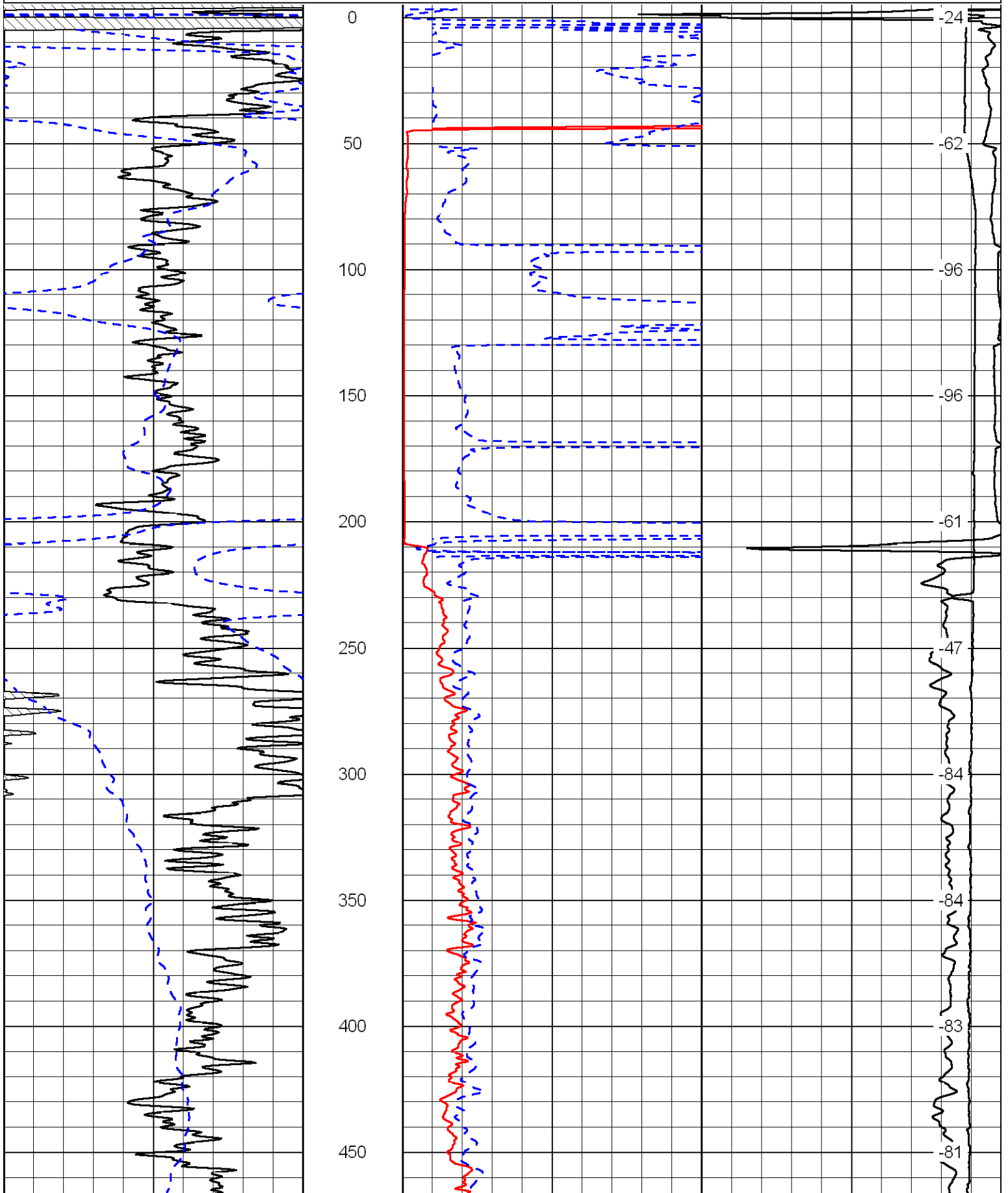
Oakley, 12 S, 4 1/2 W, S into

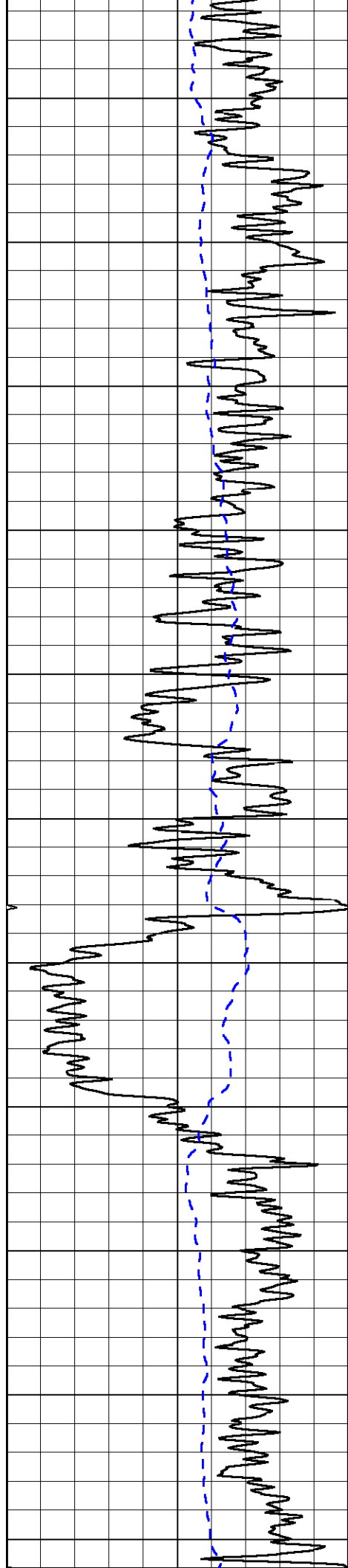
Database File: murfhd.db
Dataset Pathname: dil/murfstk
Presentation Format: dil2in
Dataset Creation: Sat Sep 05 22:48:07 2009
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
-200	SP	0

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

50	Shallow Resistivity	500
50	Deep Resistivity	500





500

550

600

650

700

750

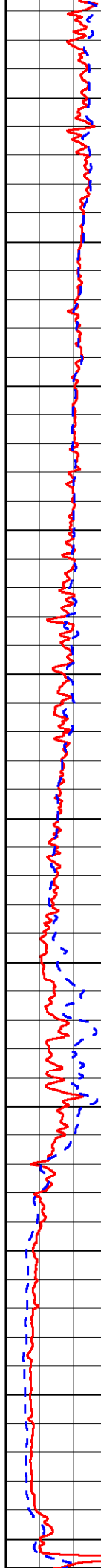
800

850

900

950

1000



-81

-82

-82

-82

-82

-82

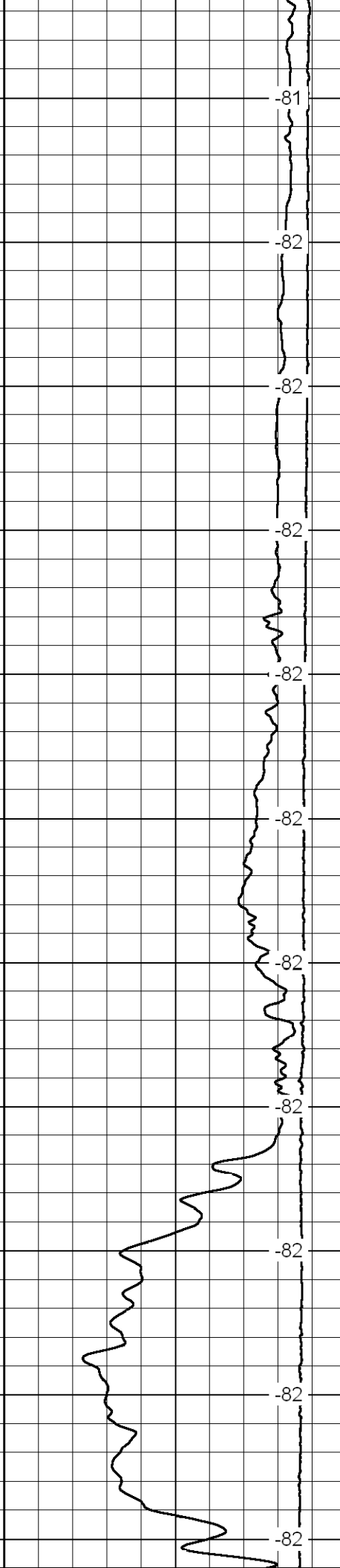
-82

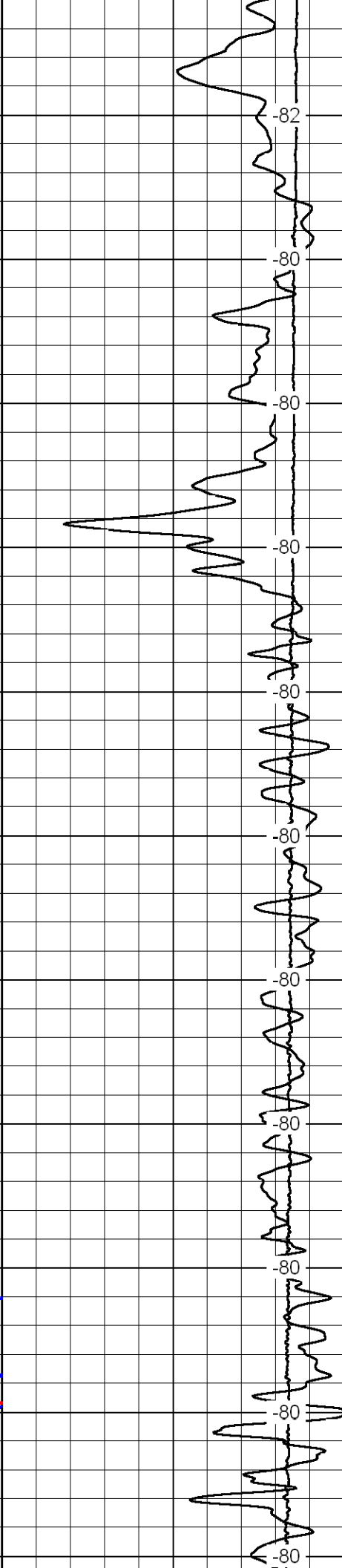
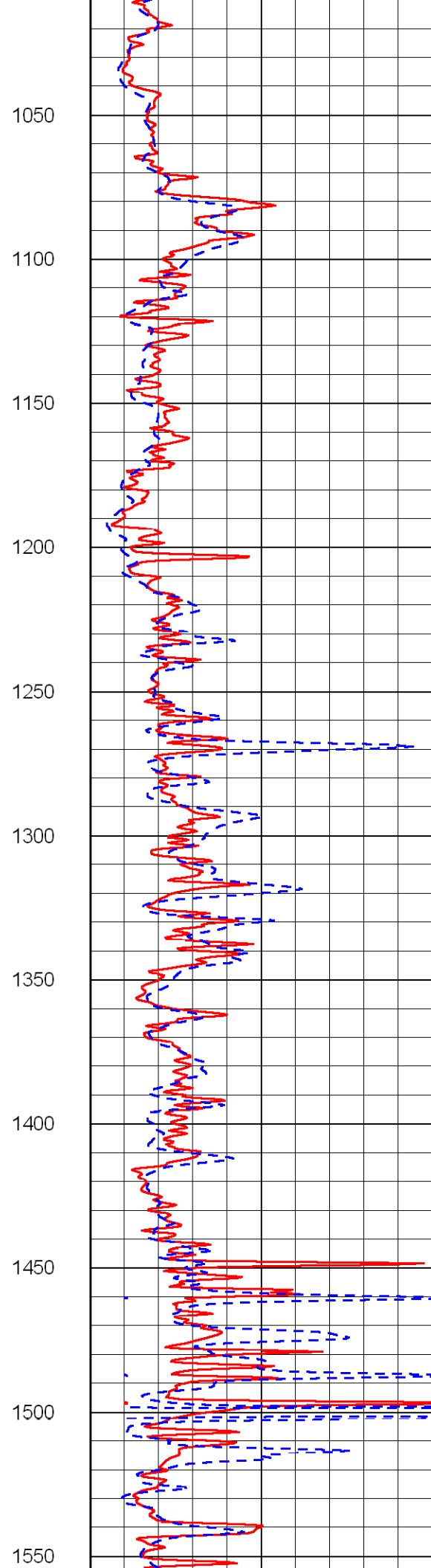
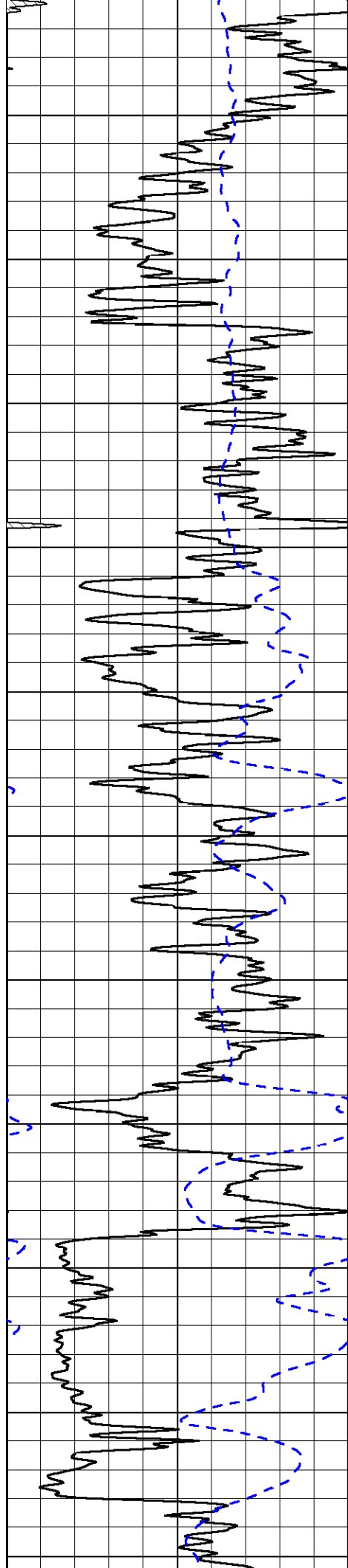
-82

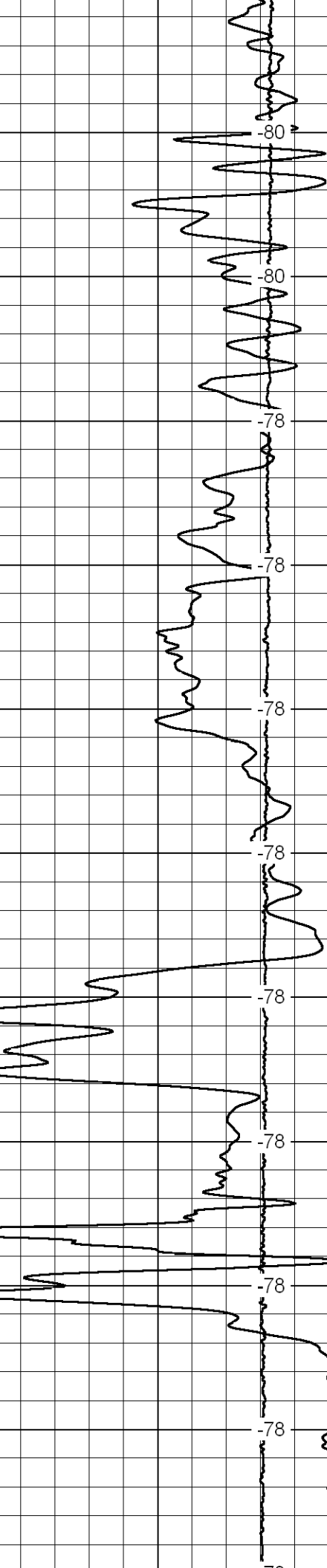
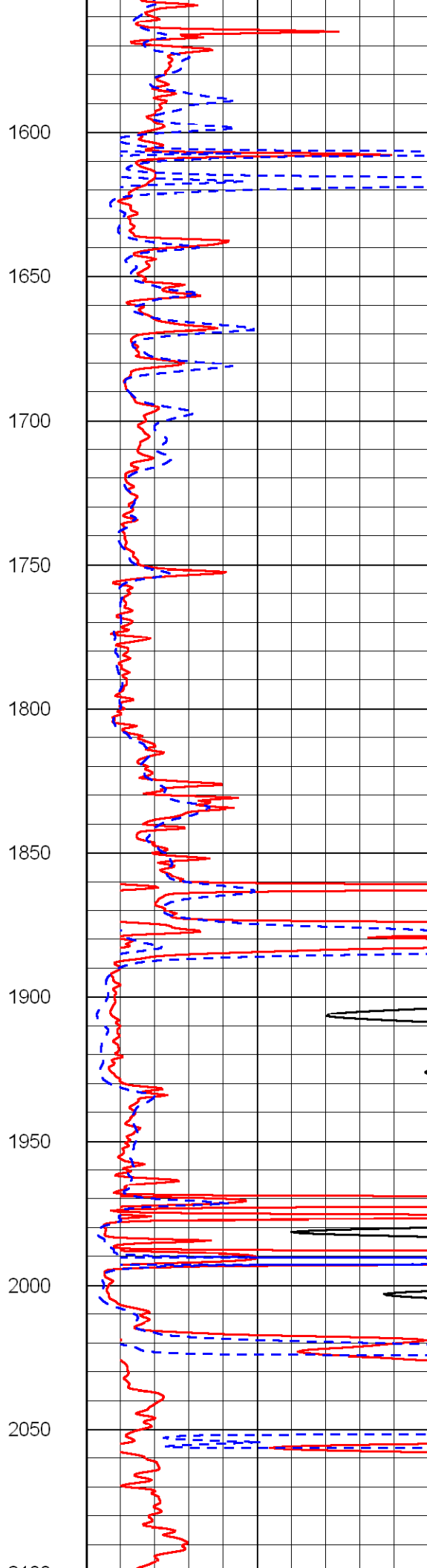
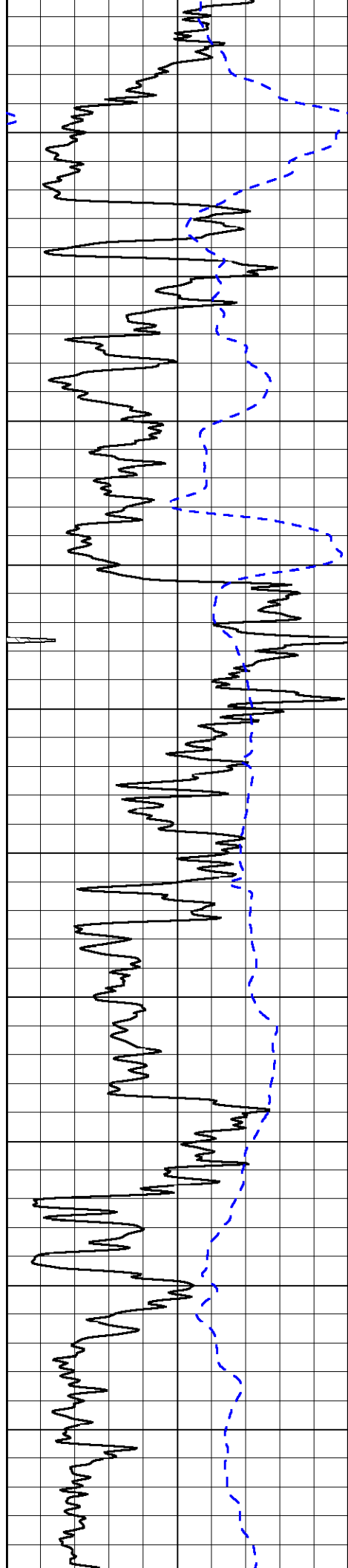
-82

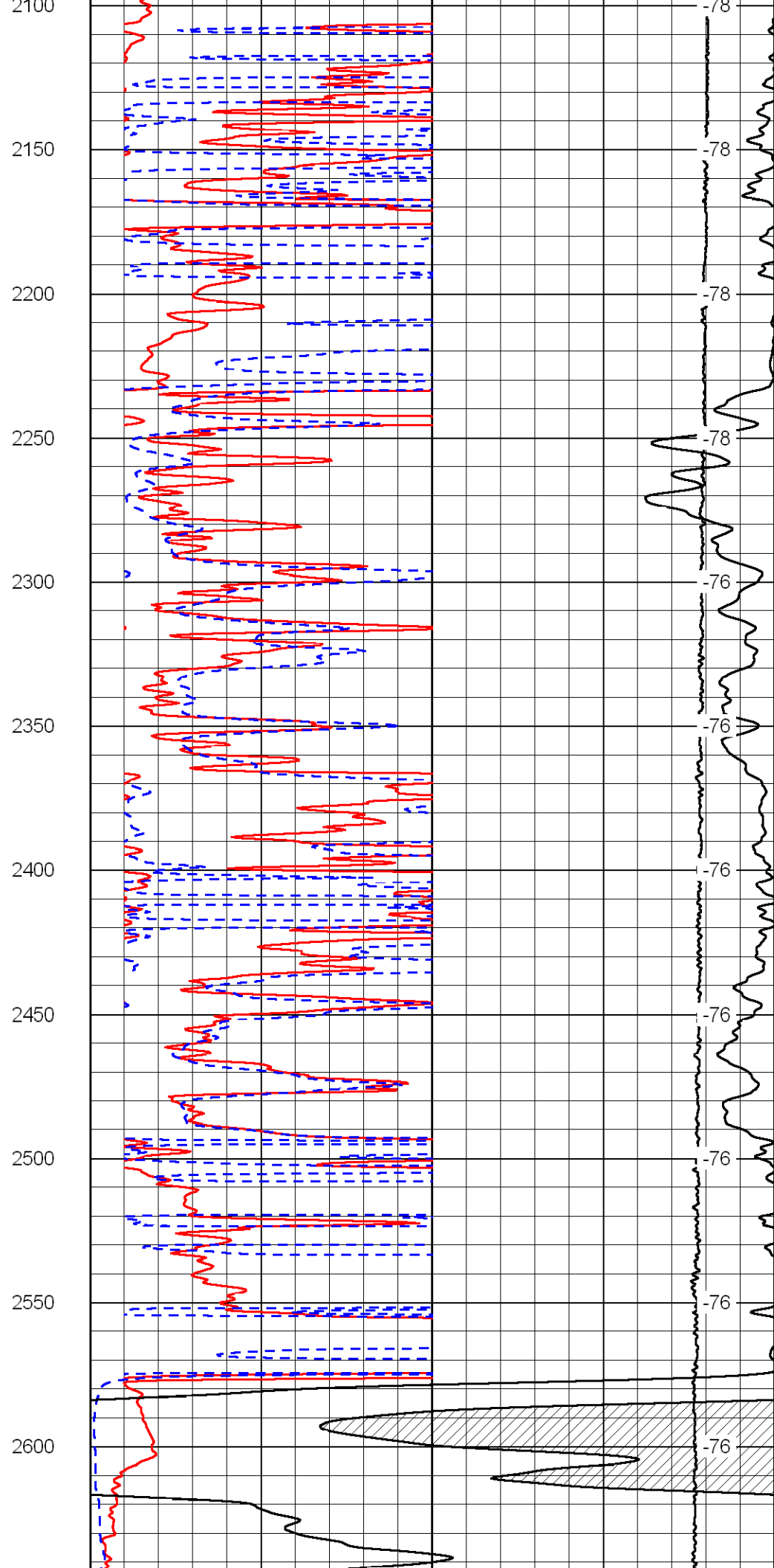
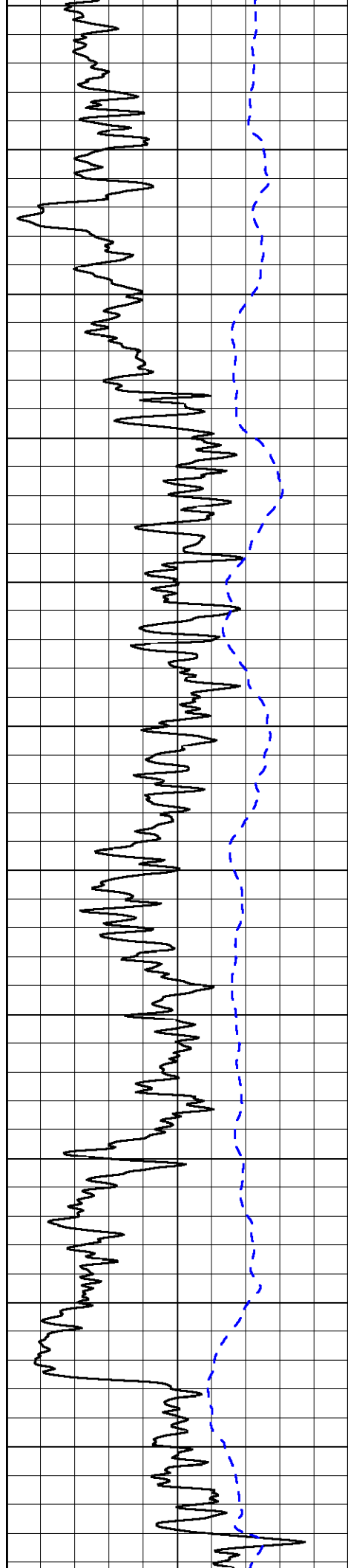
-82

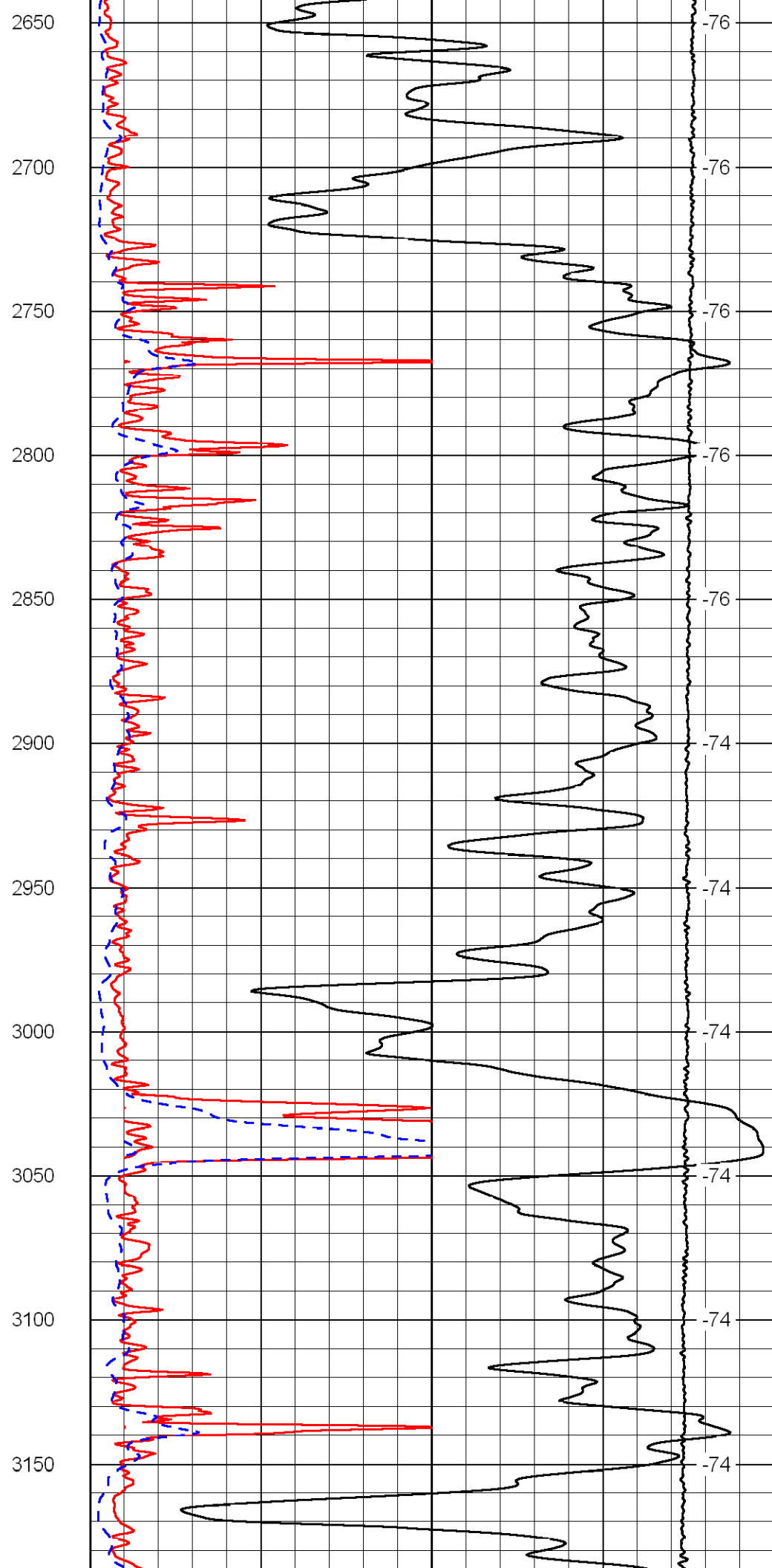
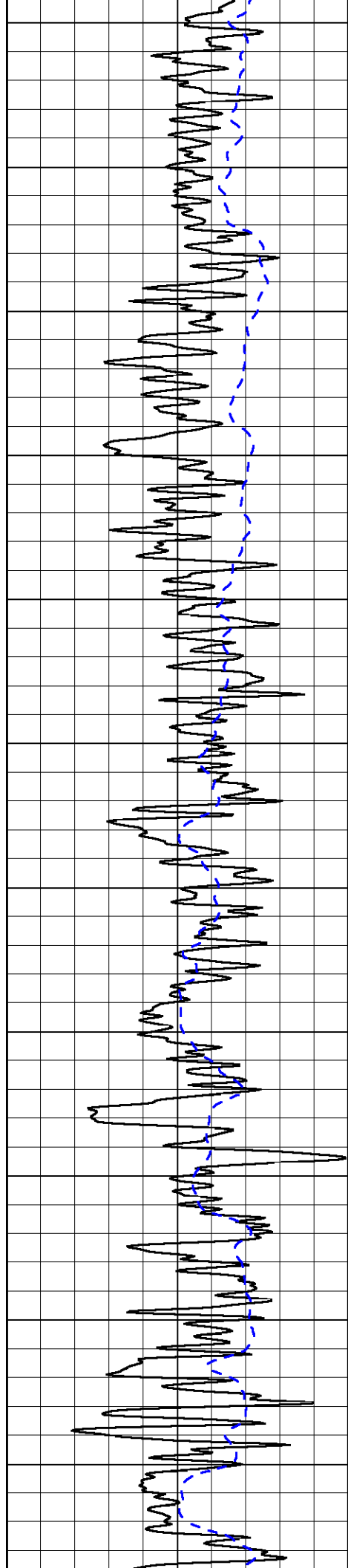
-82

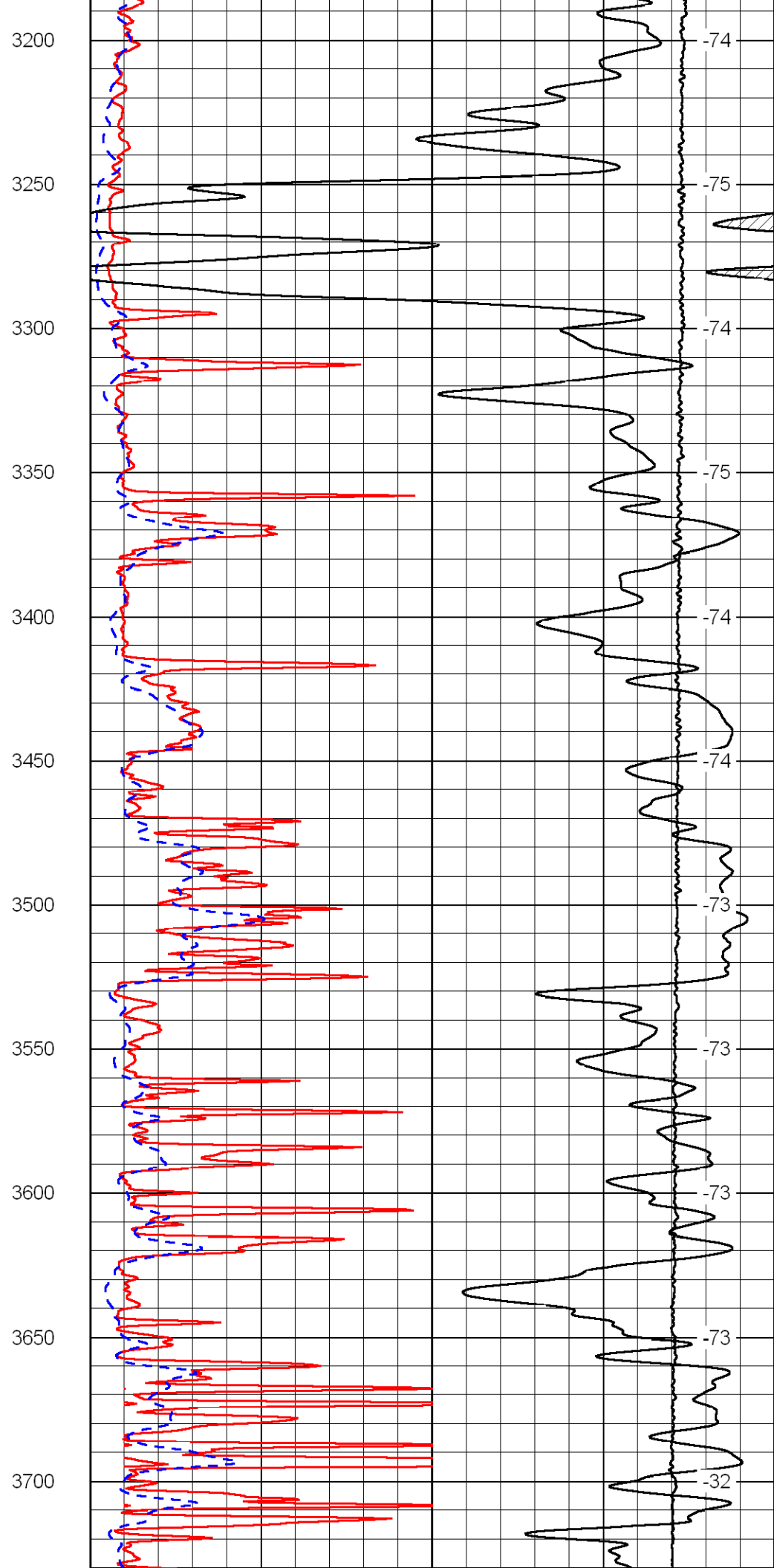
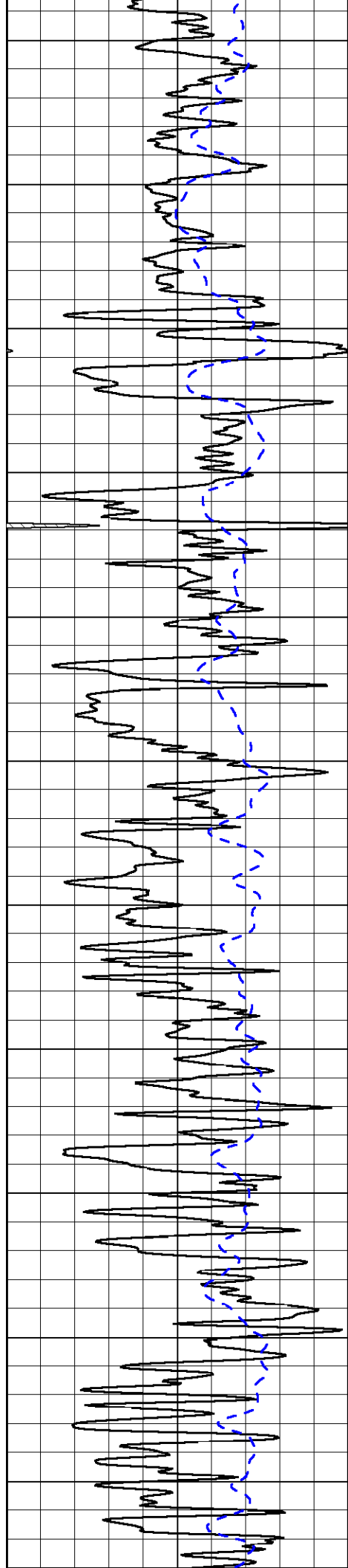


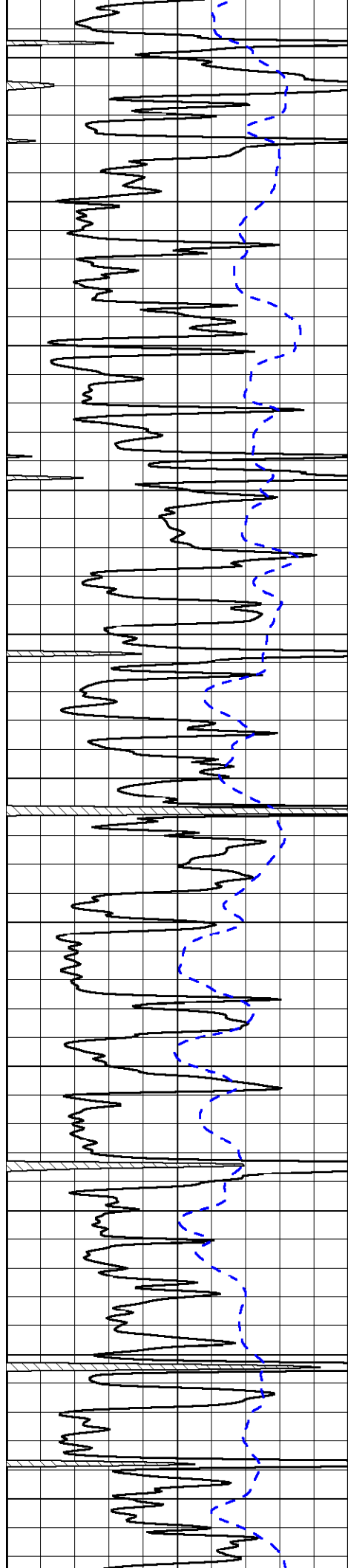












3750

3800

3850

3900

3950

4000

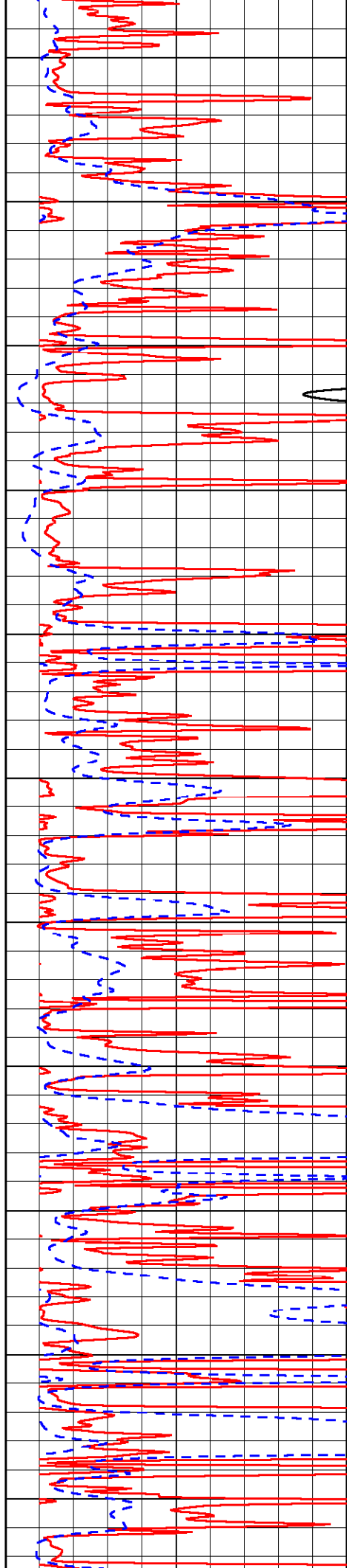
4050

4100

4150

4200

4250



-32

-32

-32

-32

-32

-31

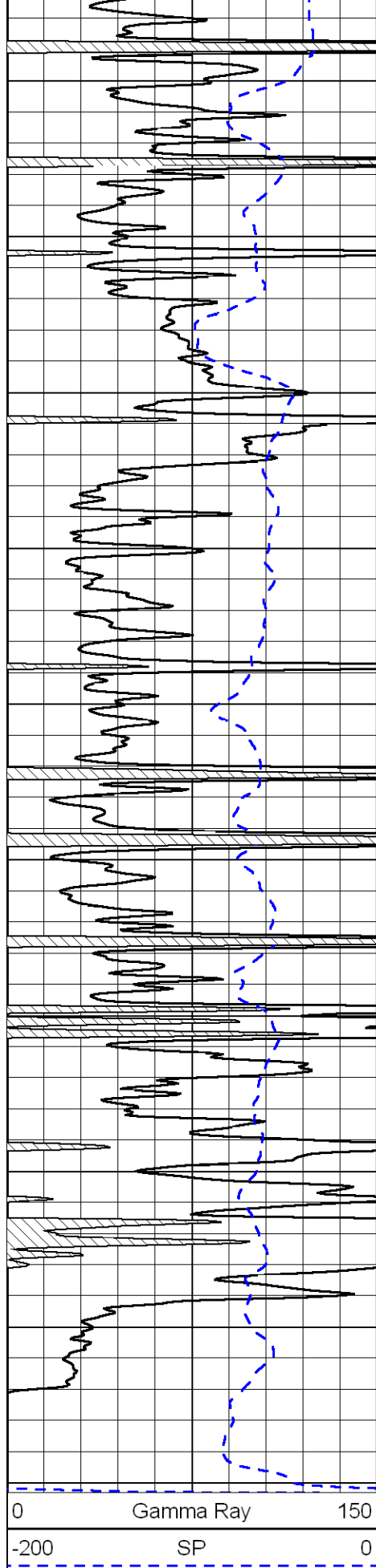
-31

-31

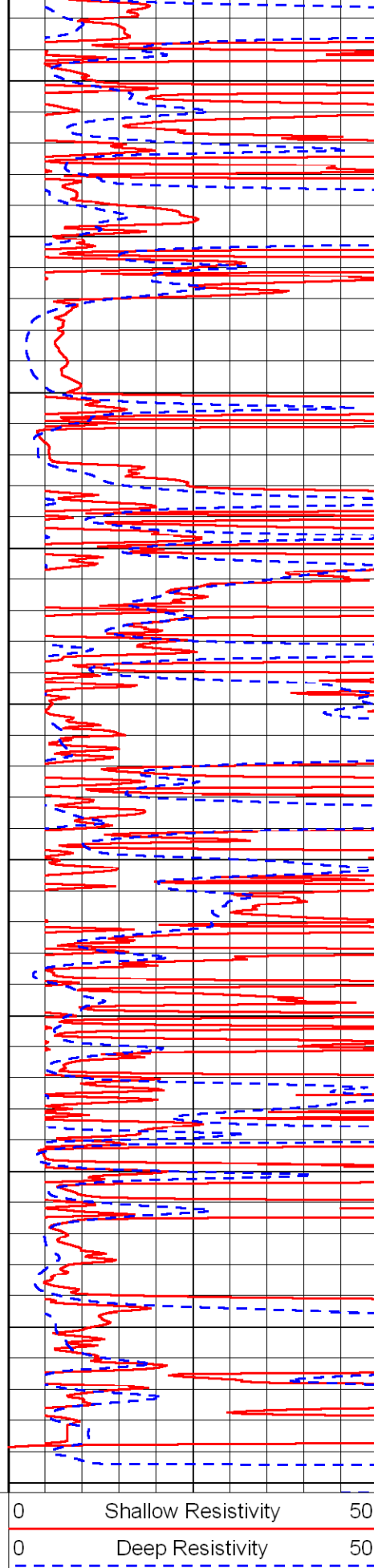
-30

-30

-31

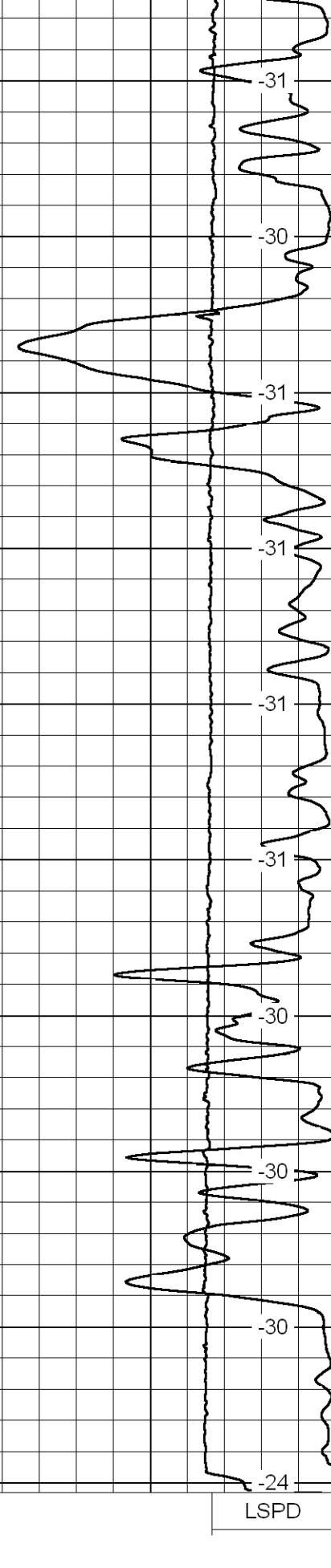


4300
4350
4400
4450
4500
4550
4600
4650
4700
4750



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

50 Shallow Resistivity 500
50 Deep Resistivity 500



LSPD

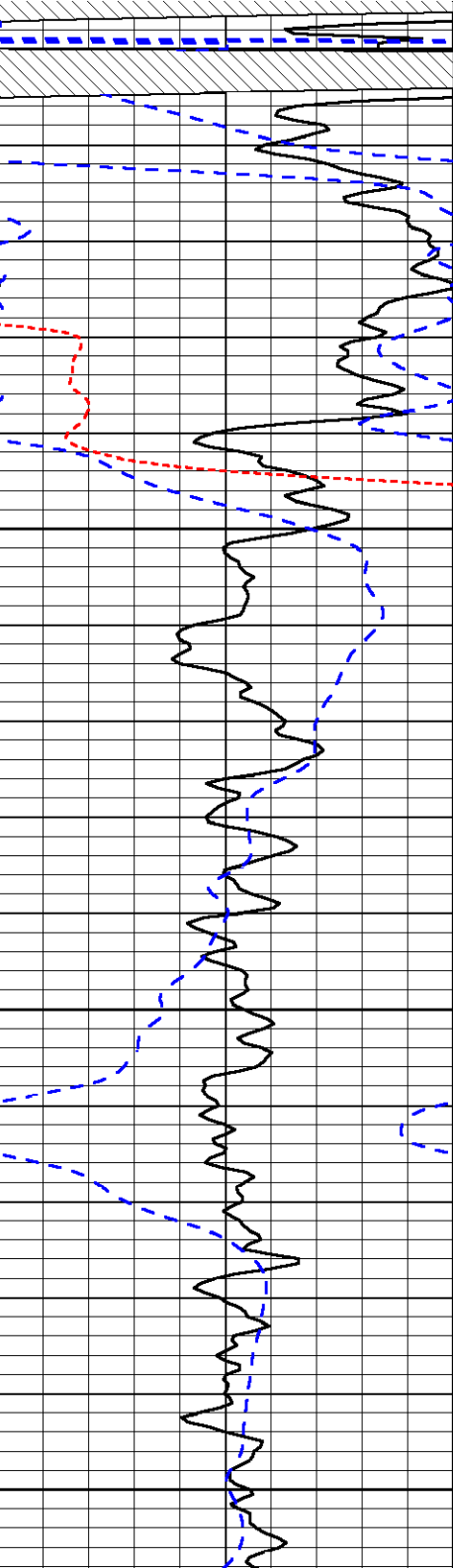
50 Deep Resistivity 500

Database File: murfhd.db
Dataset Pathname: dil/murfstk
Presentation Format: dil
Dataset Creation: Sat Sep 05 22:48:07 2009
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP	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

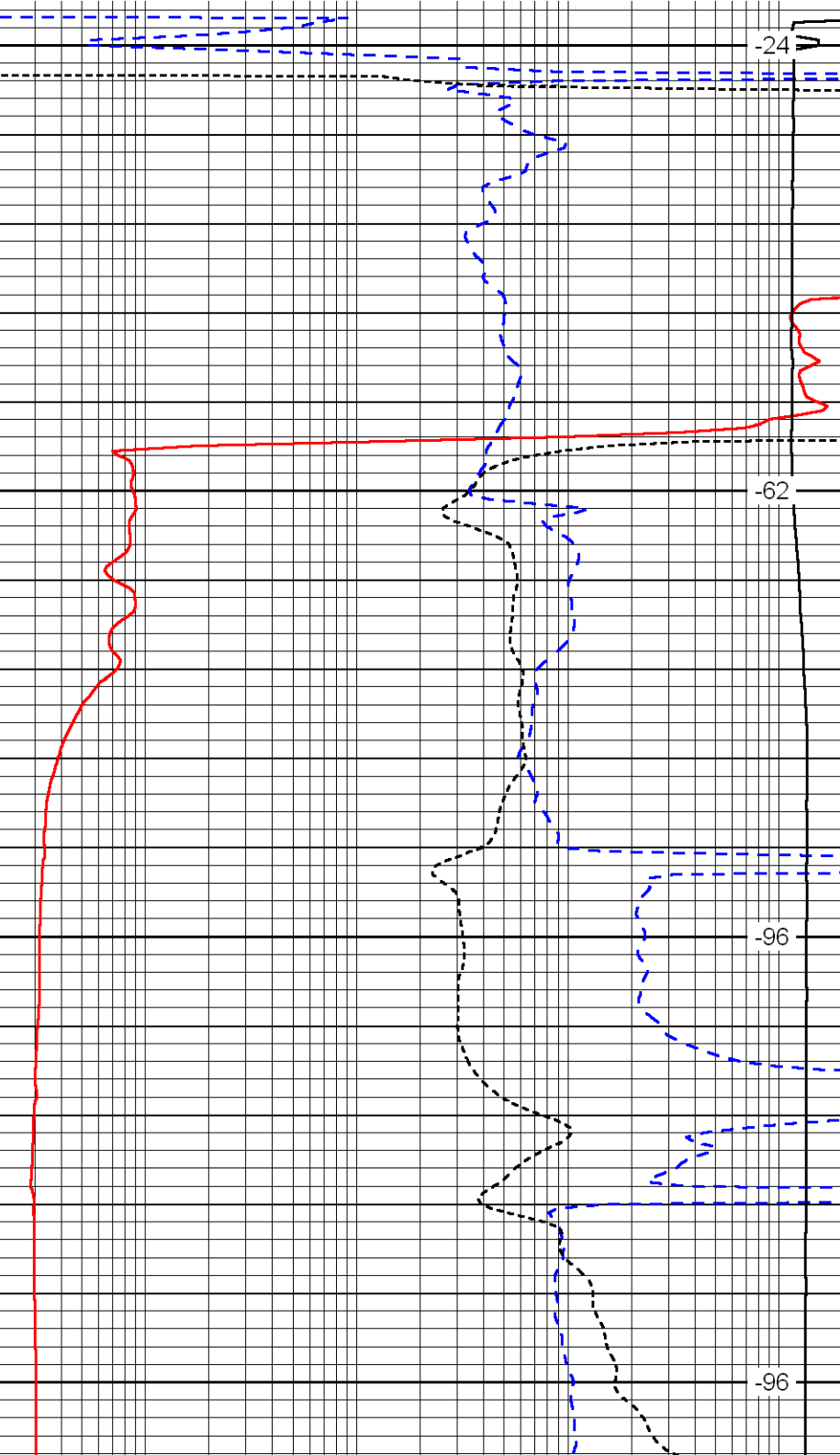


0

50

100

150

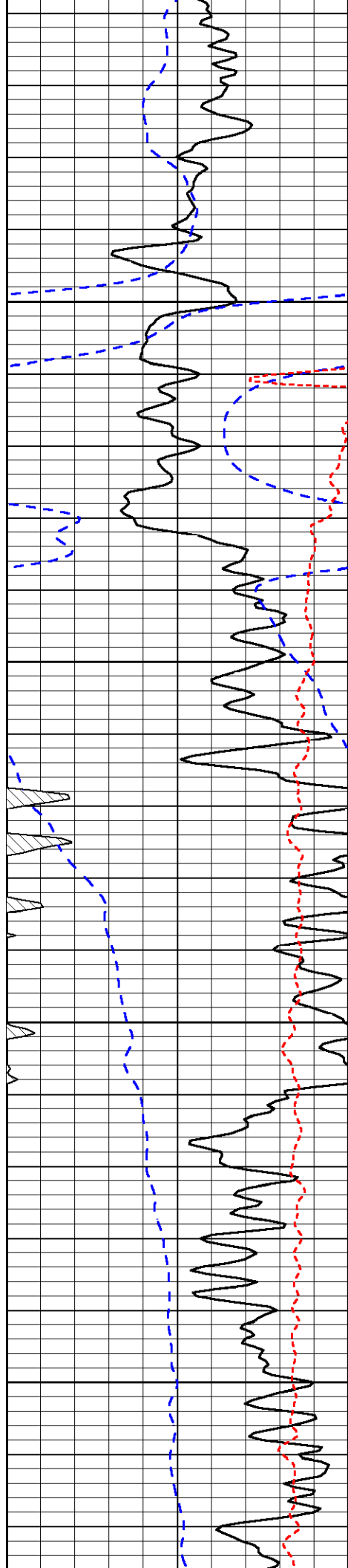


-24

-62

-96

-96

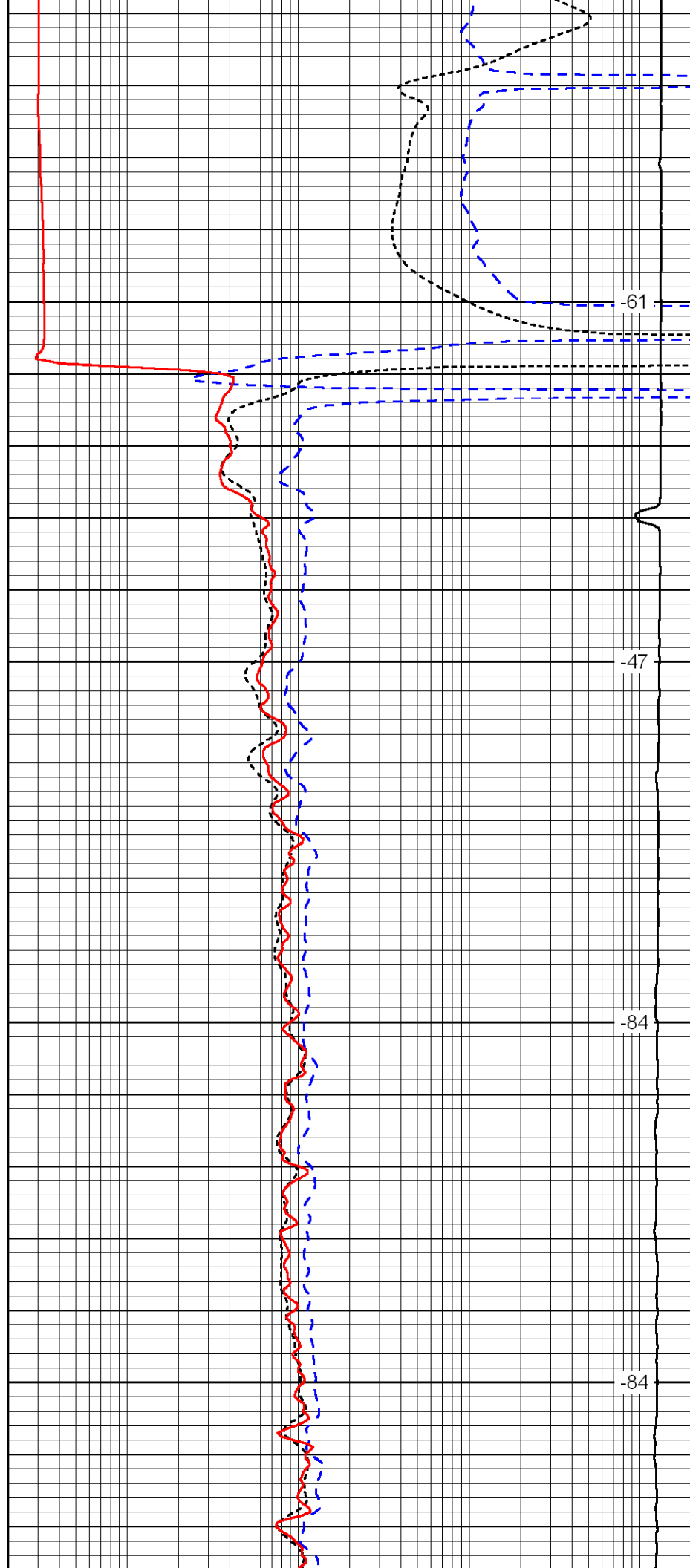


200

250

300

350

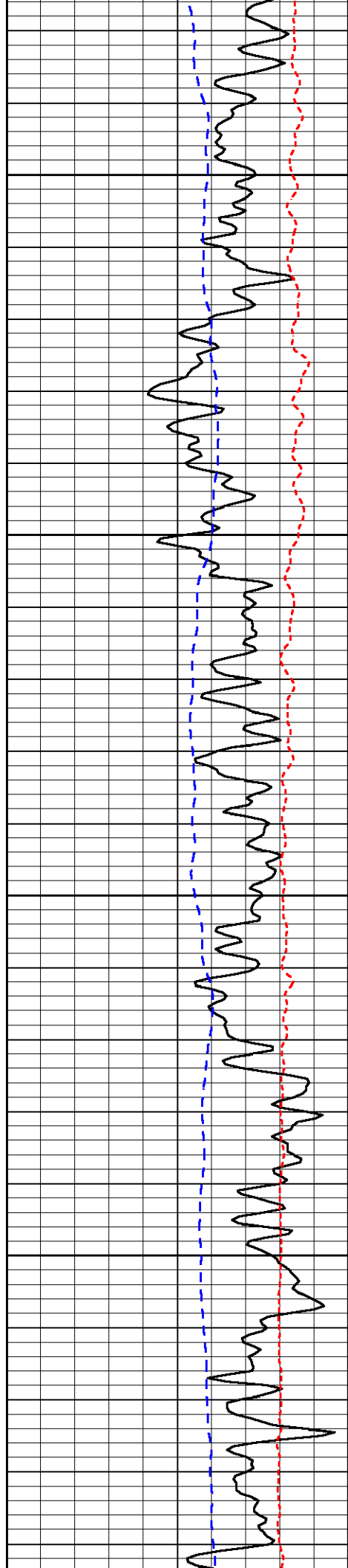


-61

-47

-84

-84

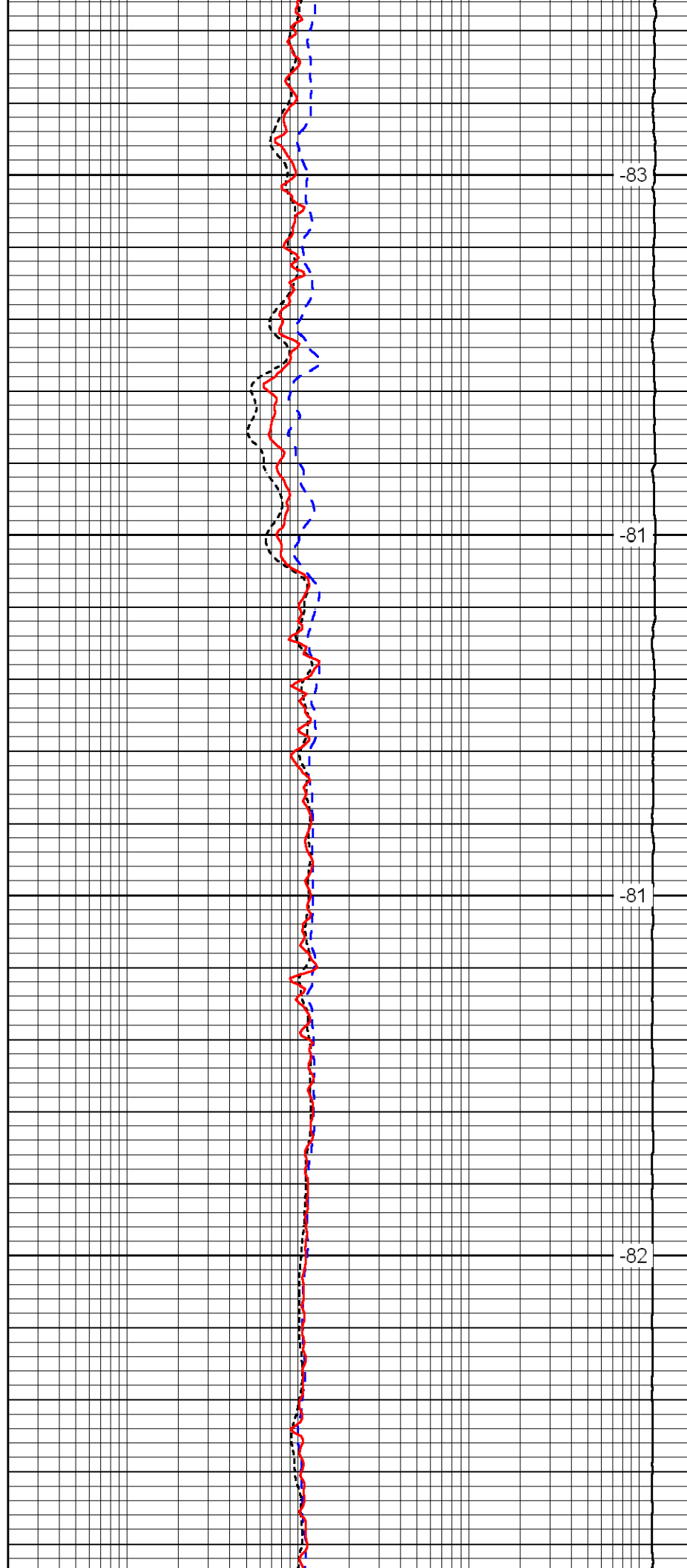


400

450

500

550

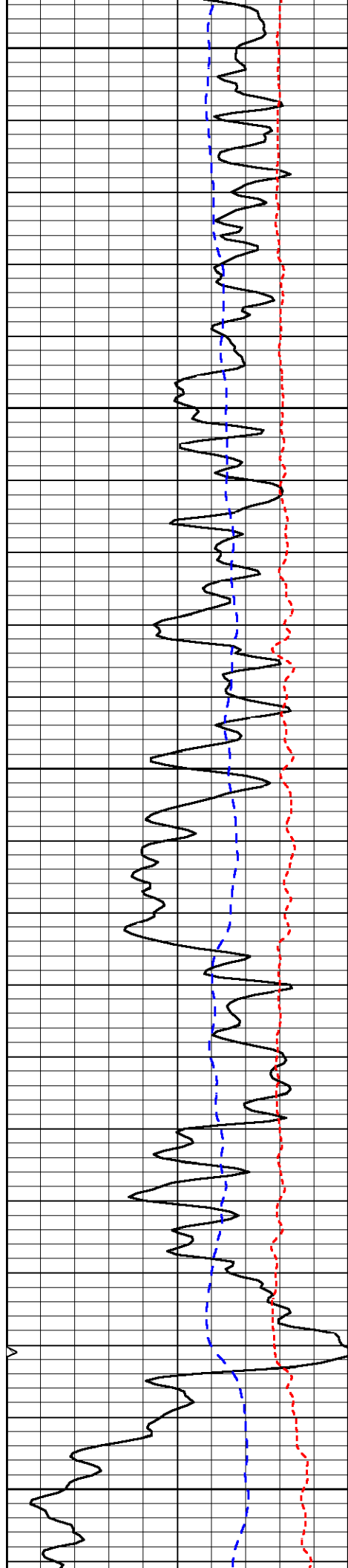


-83

-81

-81

-82



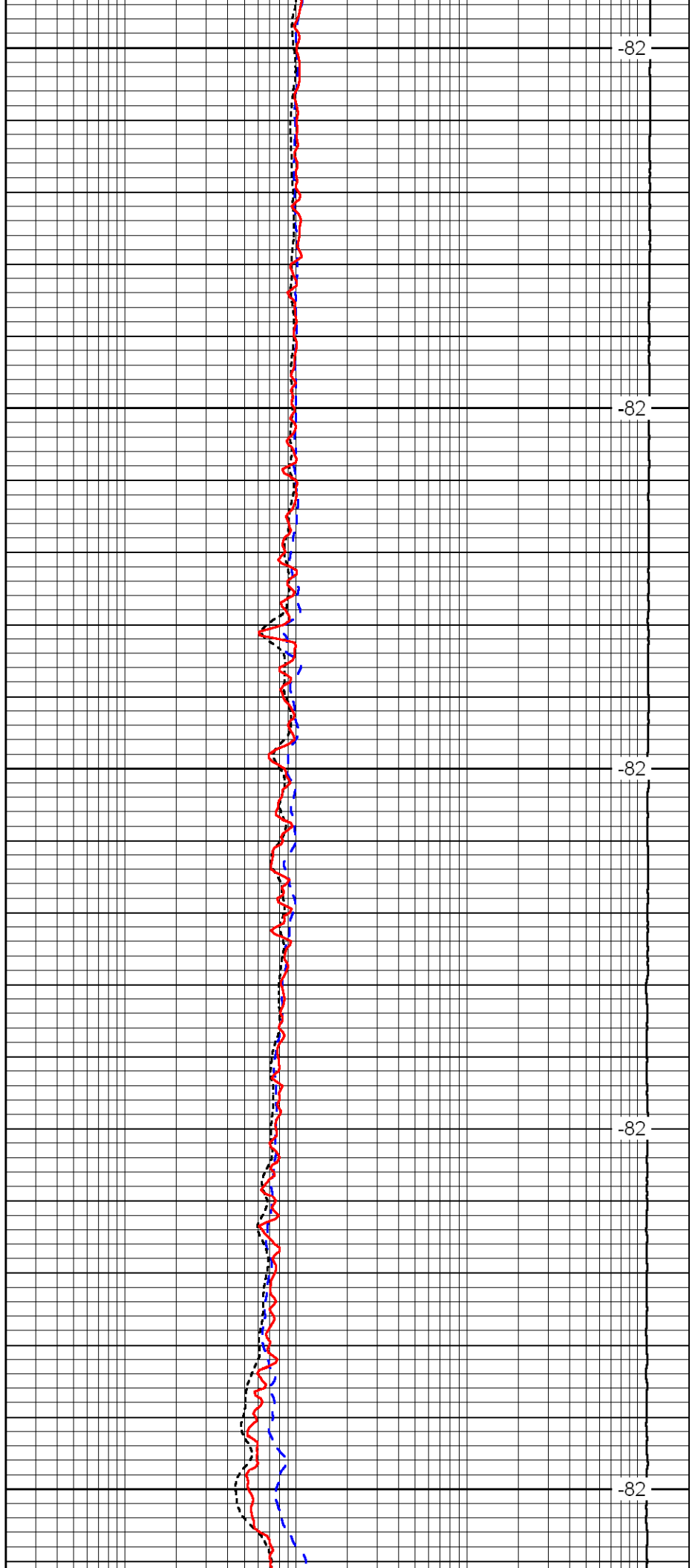
600

650

700

750

800



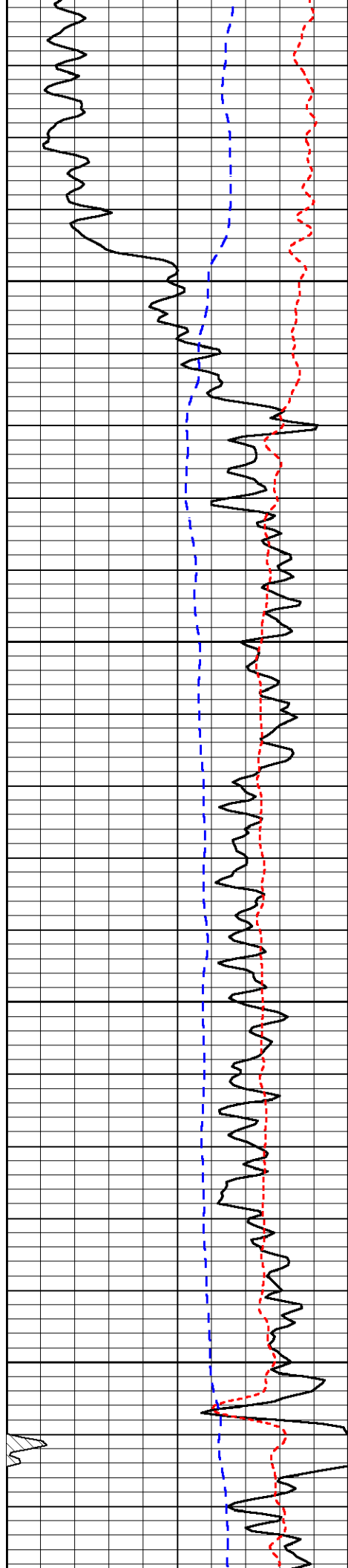
-82

-82

-82

-82

-82



850

900

950

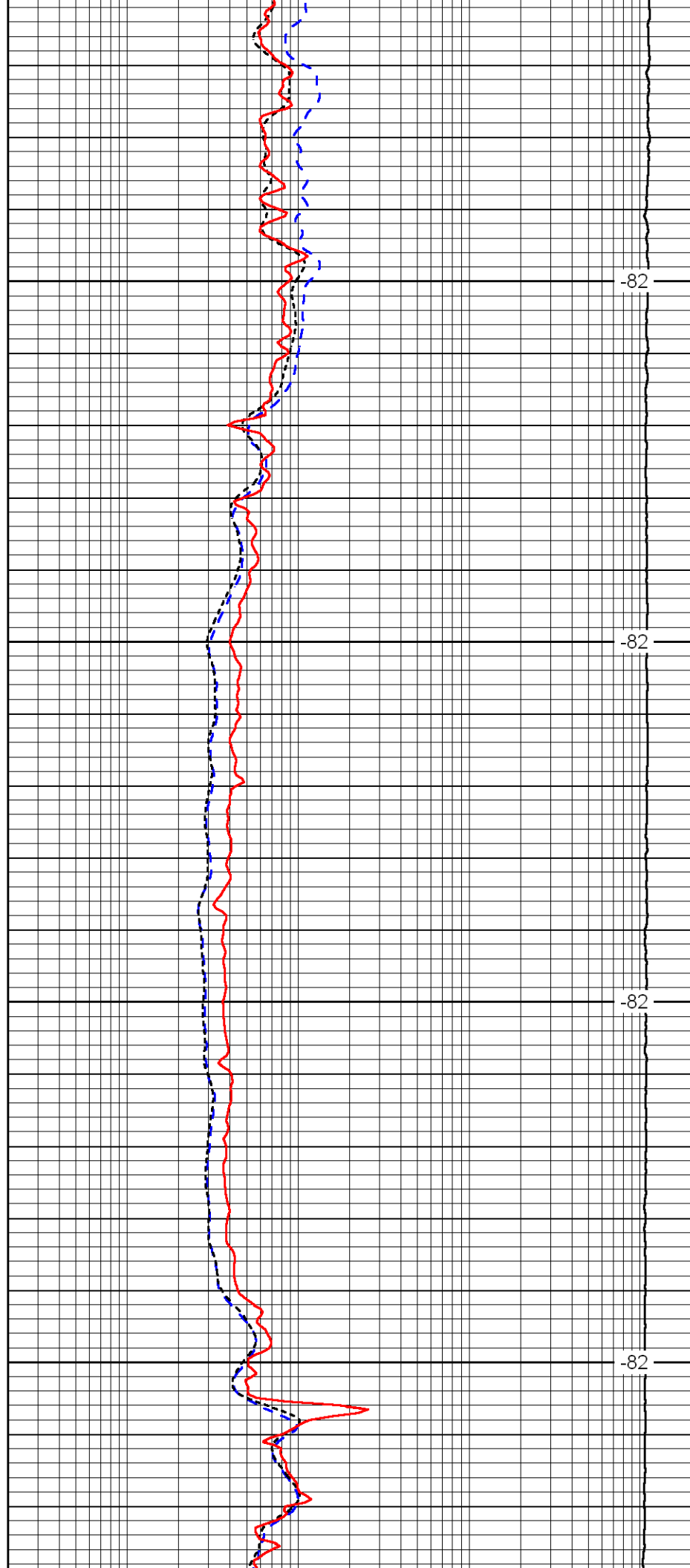
1000

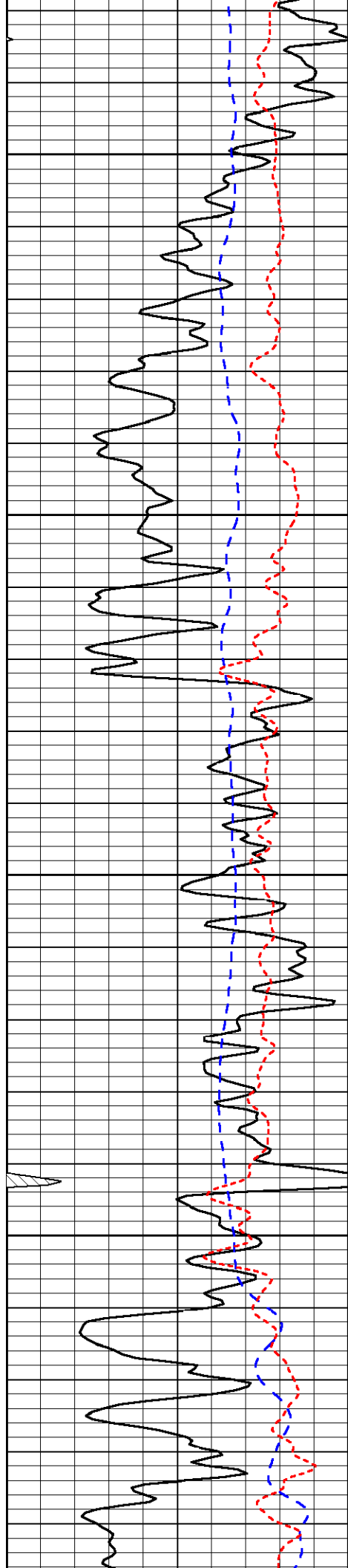
-82

-82

-82

-82



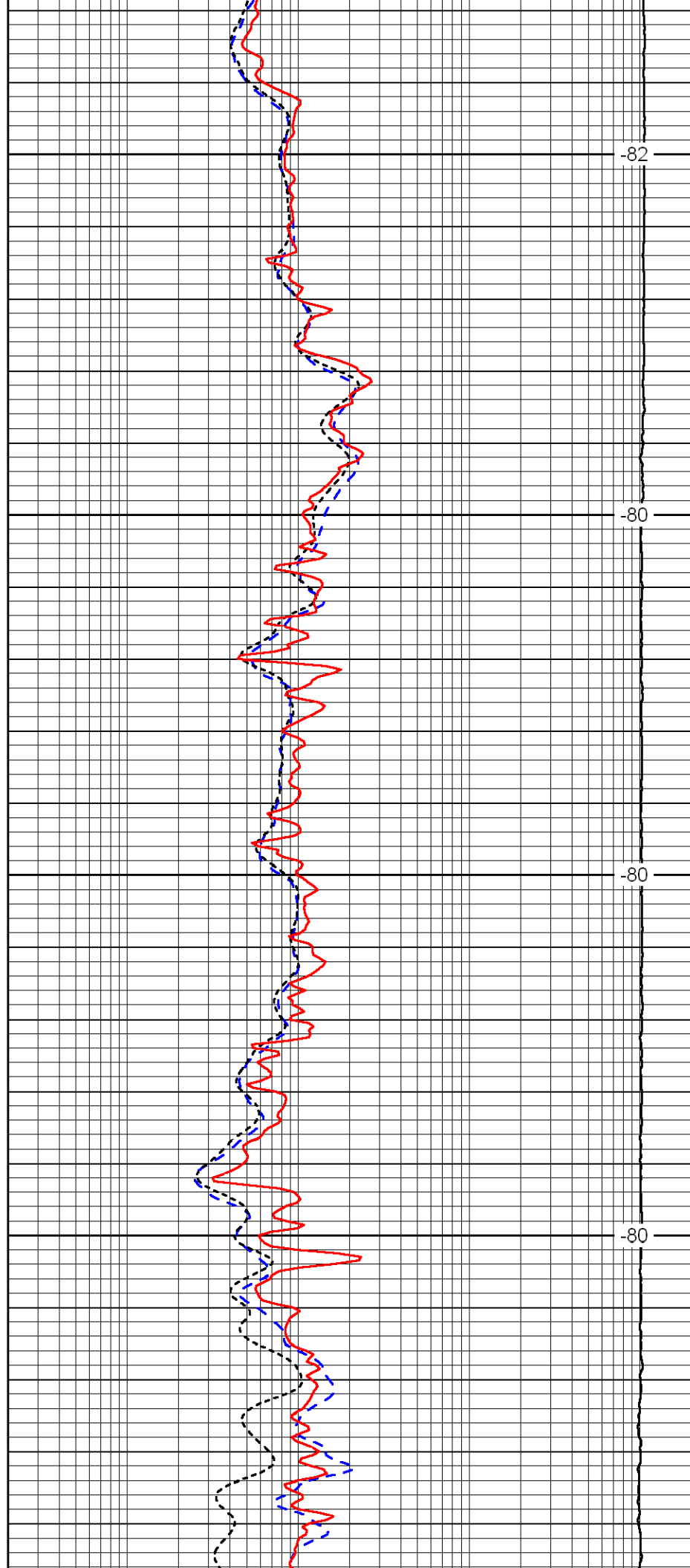


1050

1100

1150

1200

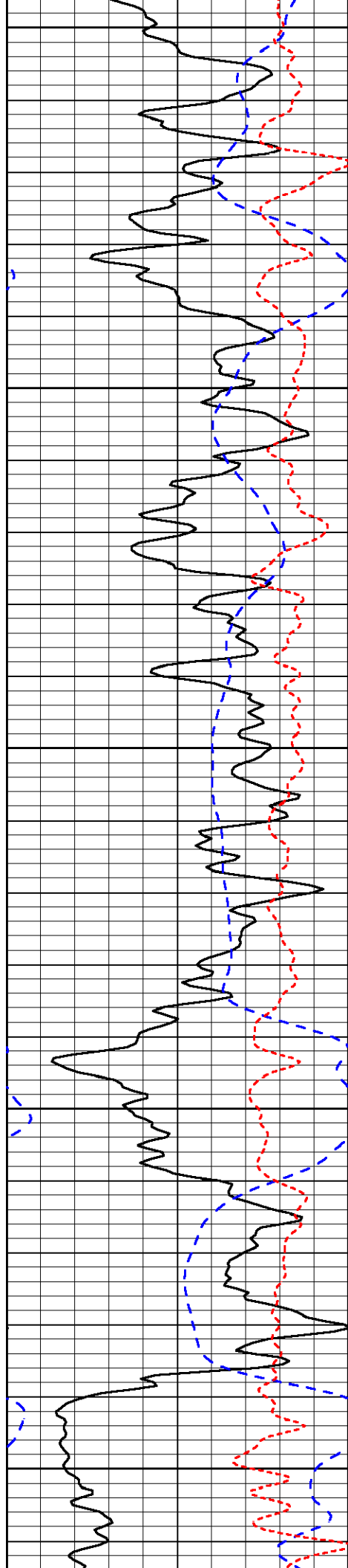


-82

-80

-80

-80



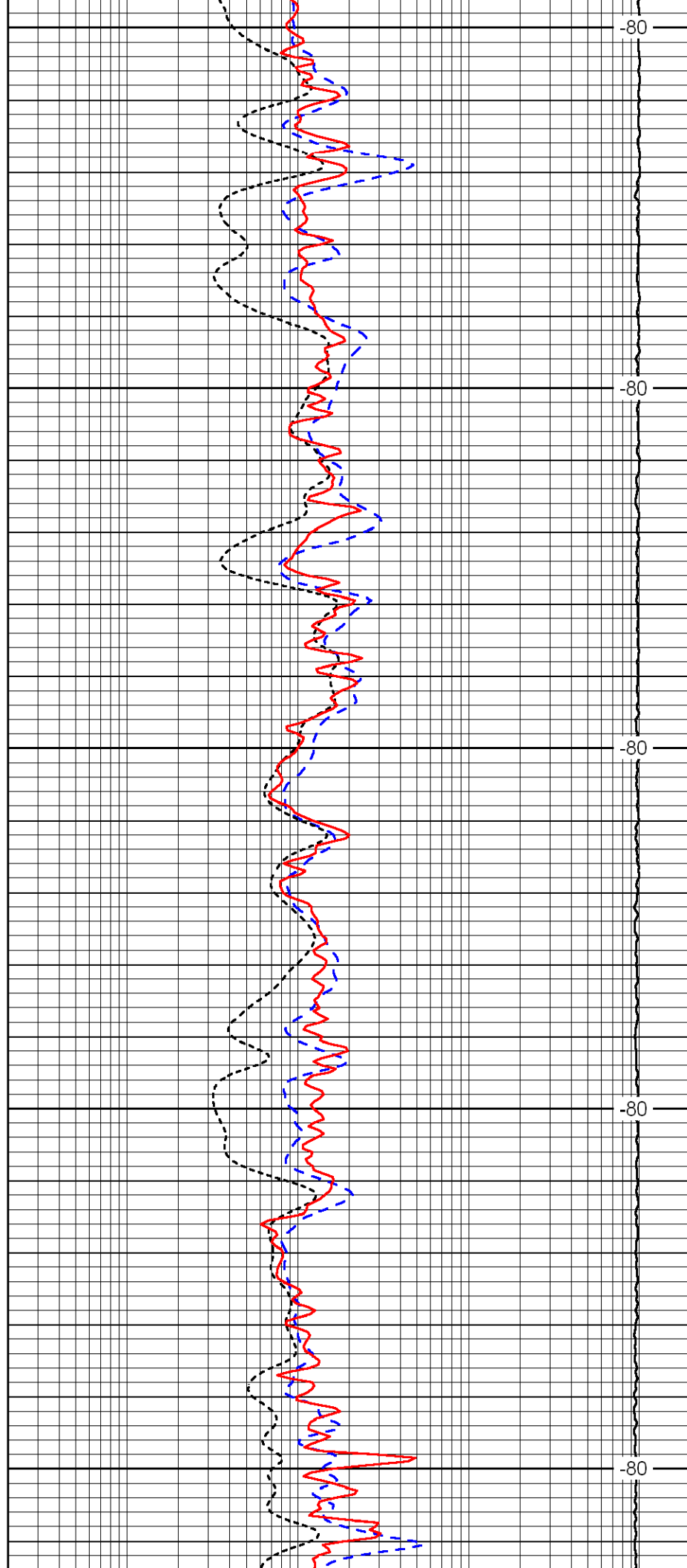
1250

1300

1350

1400

1450



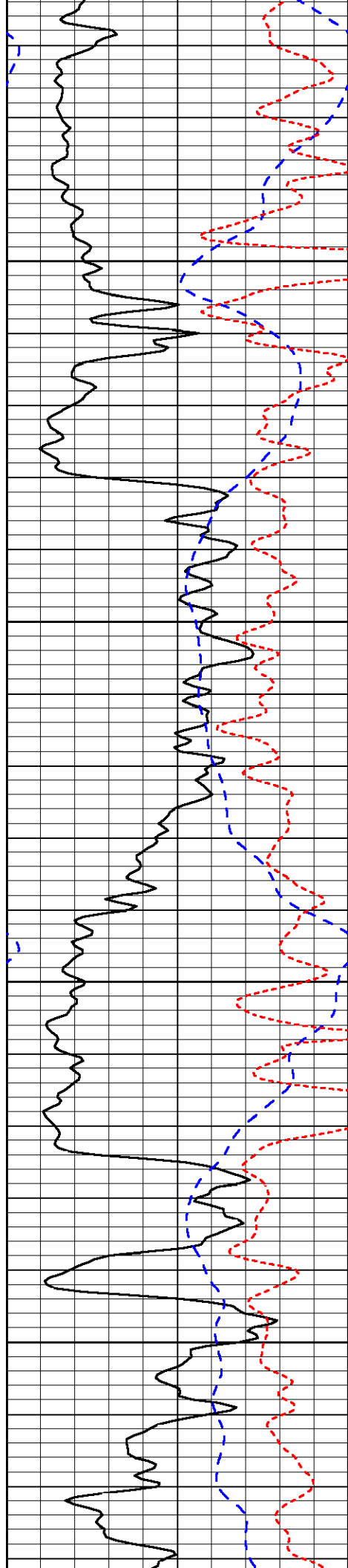
-80

-80

-80

-80

-80

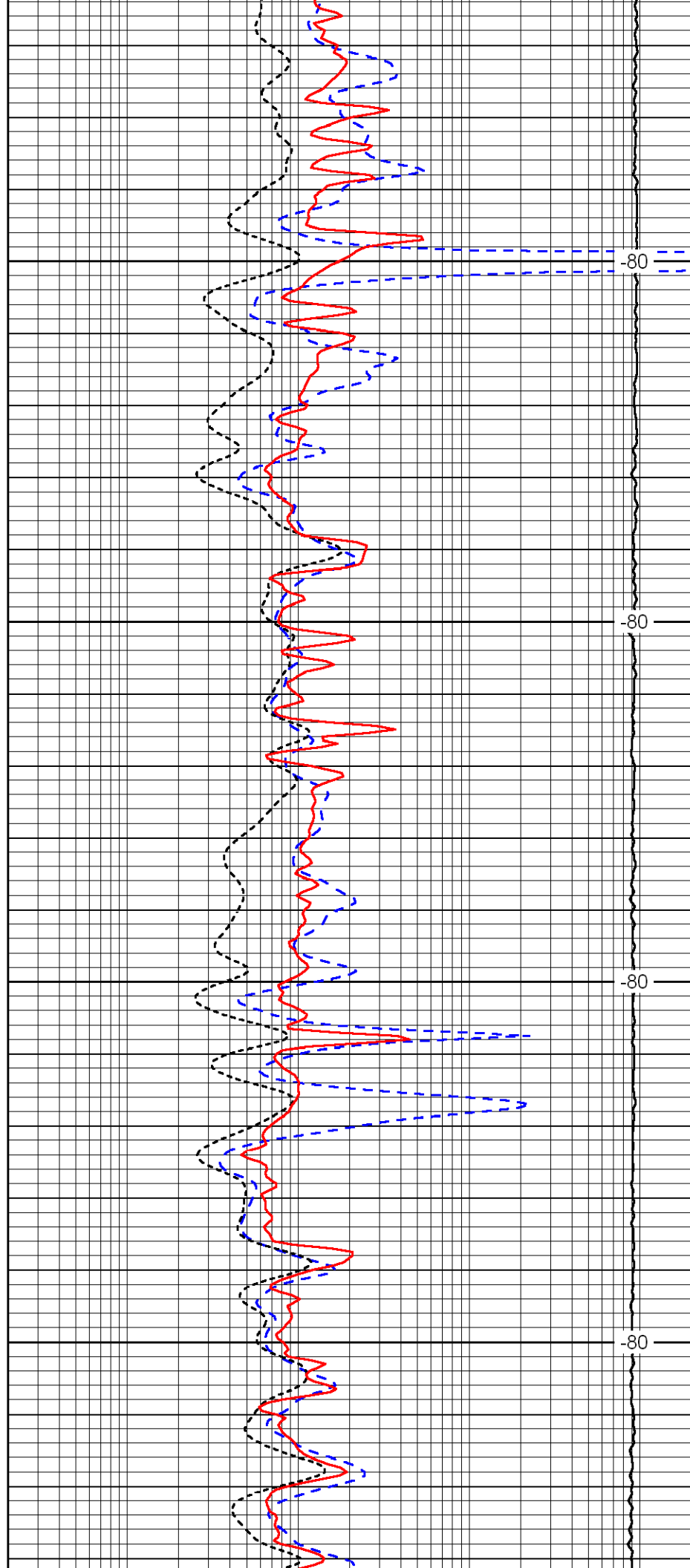


1500

1550

1600

1650

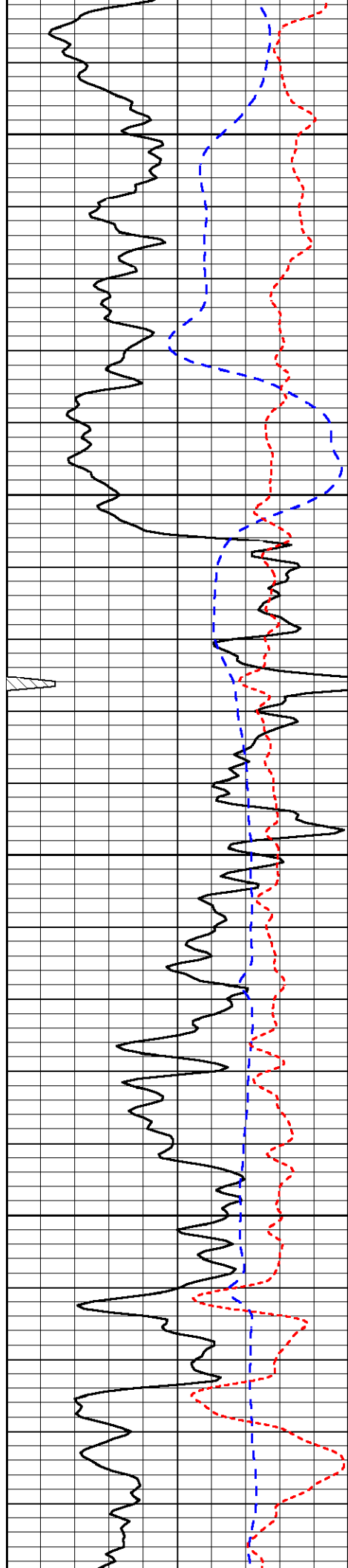


-80

-80

-80

-80

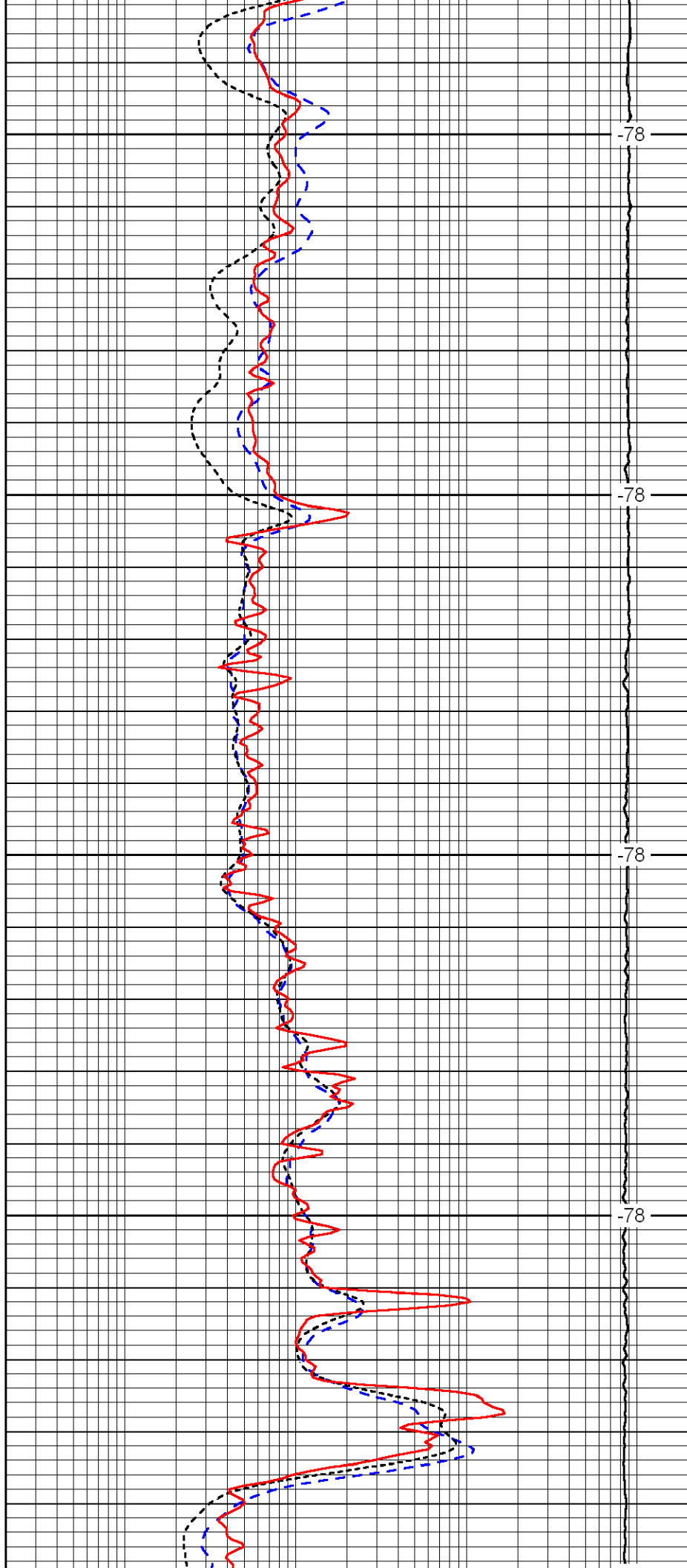


1700

1750

1800

1850

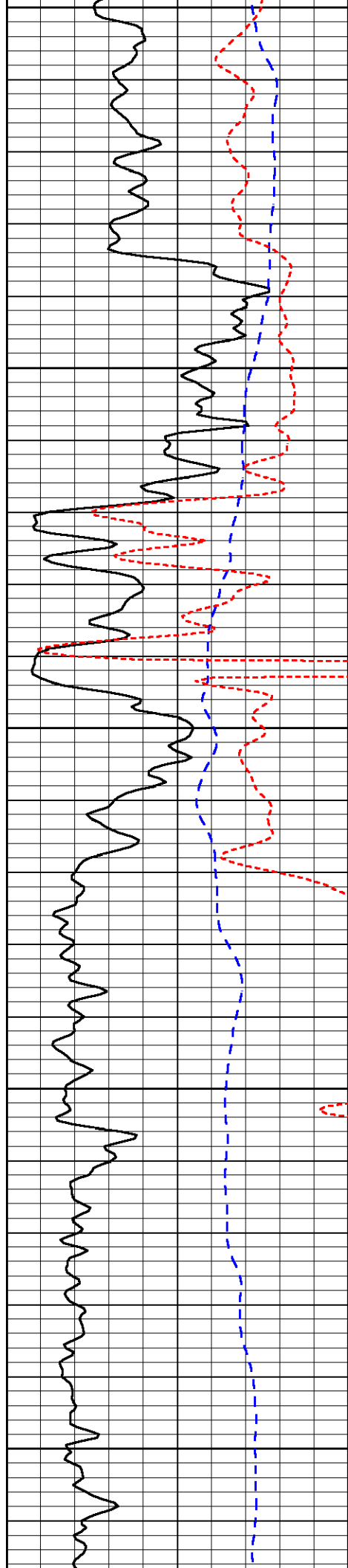


-78

-78

-78

-78



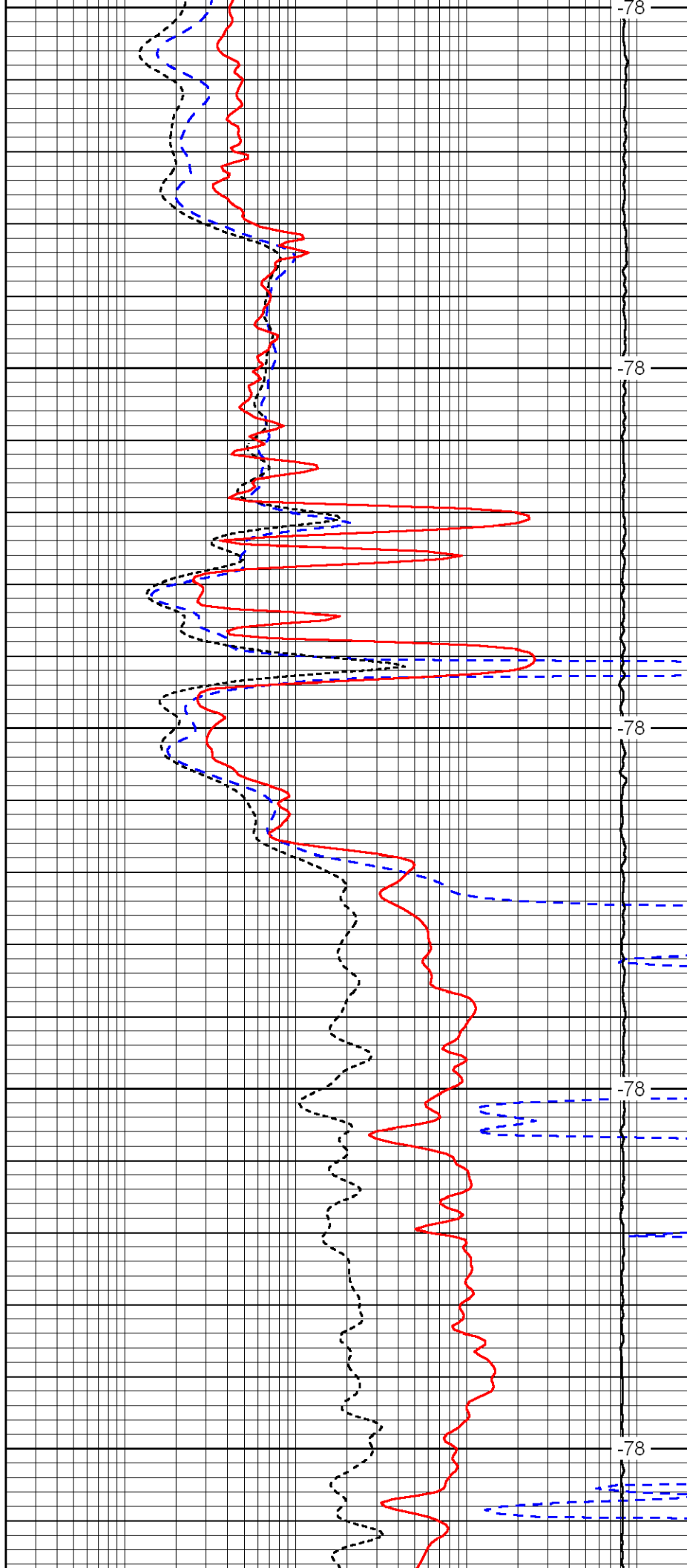
1900

1950

2000

2050

2100



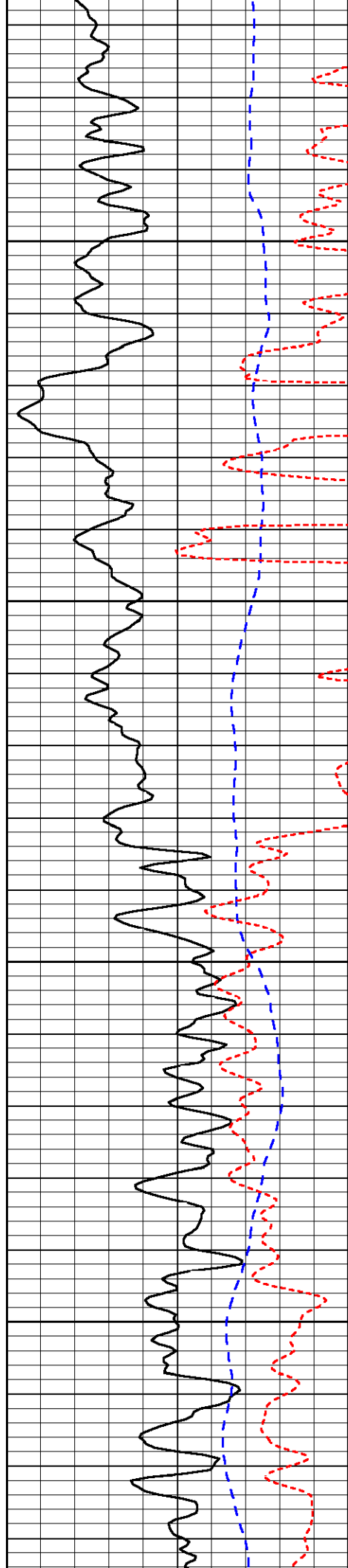
-78

-78

-78

-78

-78

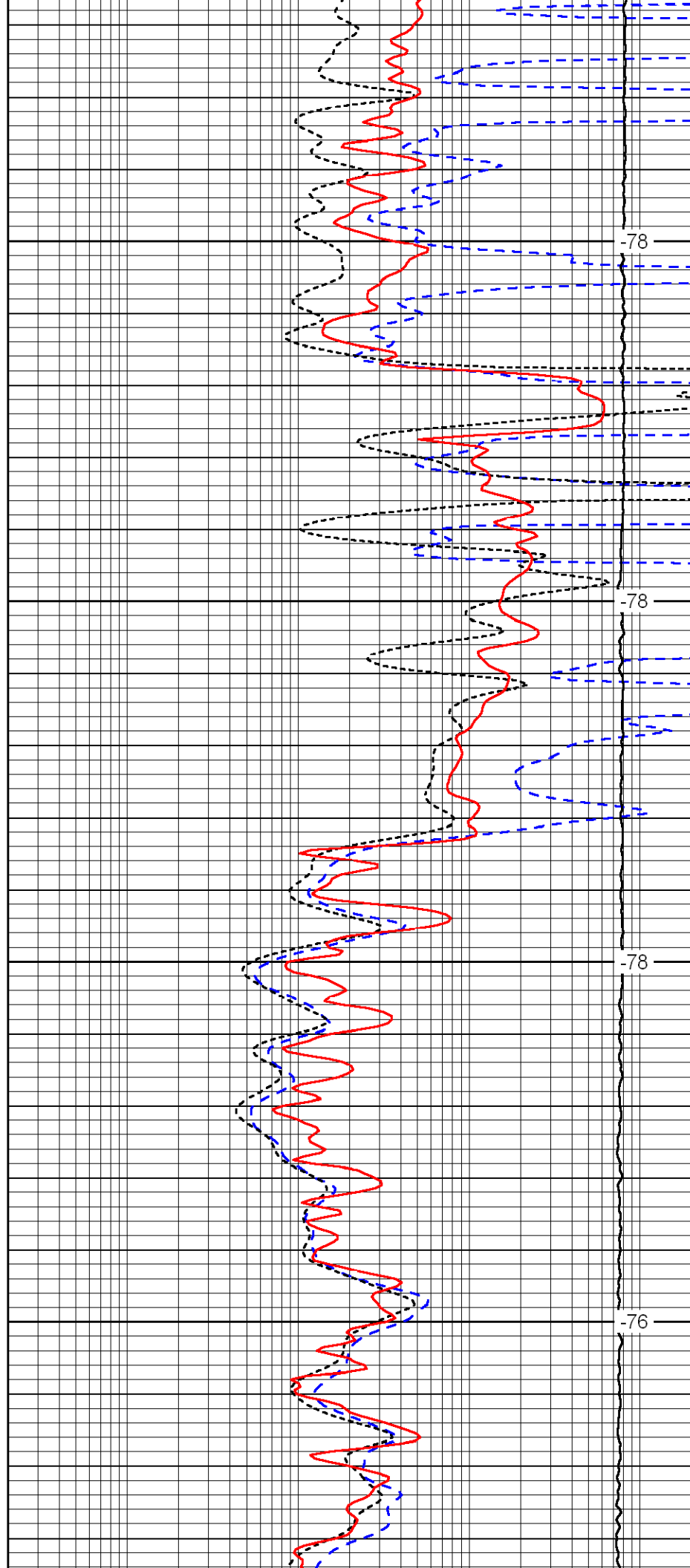


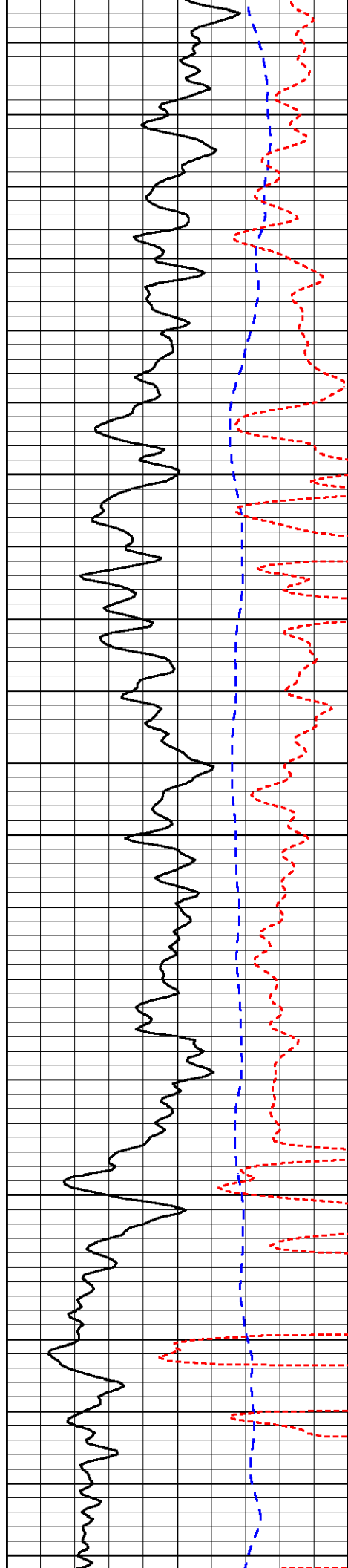
2150

2200

2250

2300





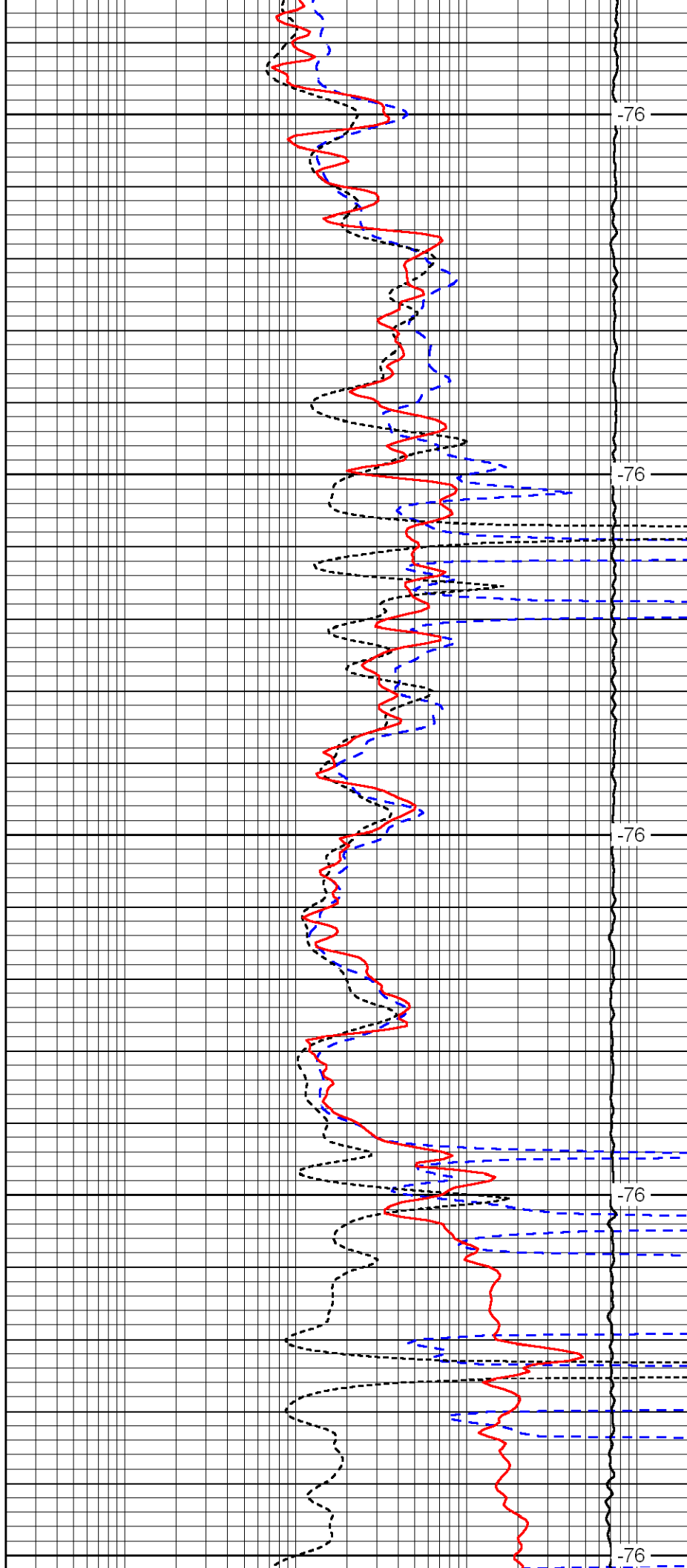
2350

2400

2450

2500

2550



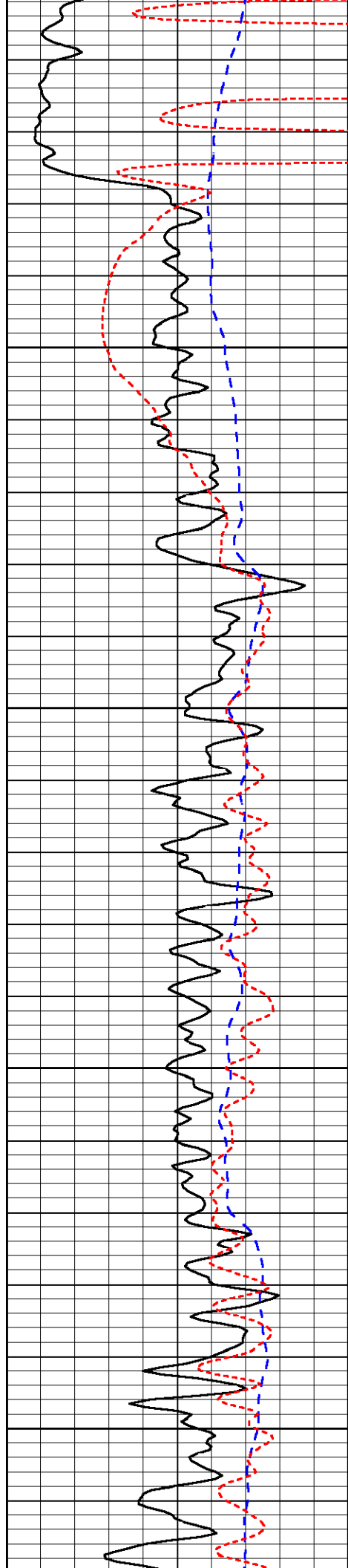
-76

-76

-76

-76

-76

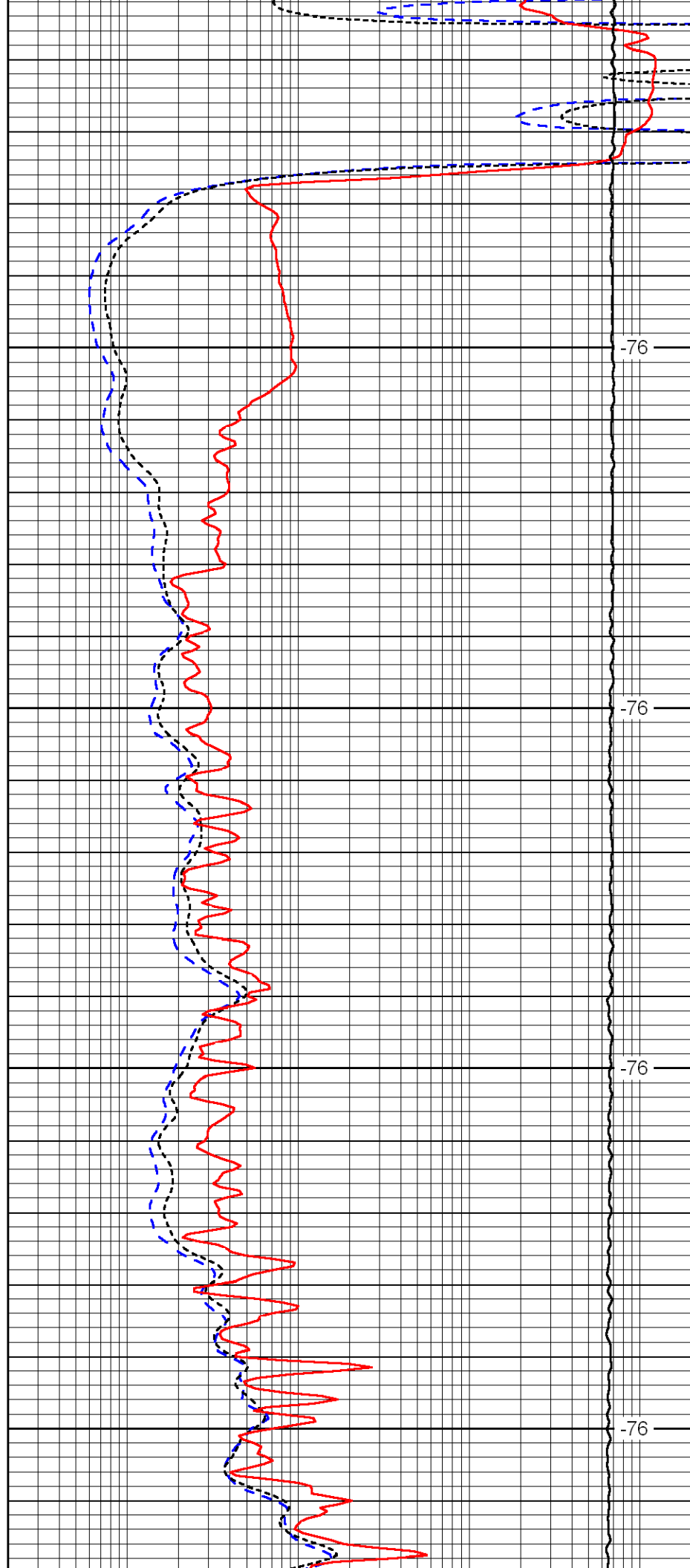


2600

2650

2700

2750

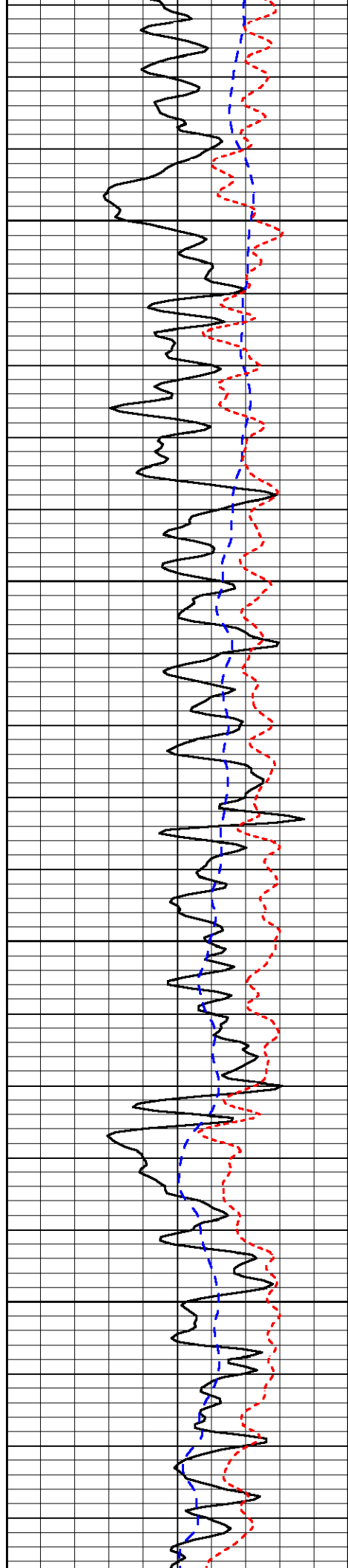


-76

-76

-76

-76

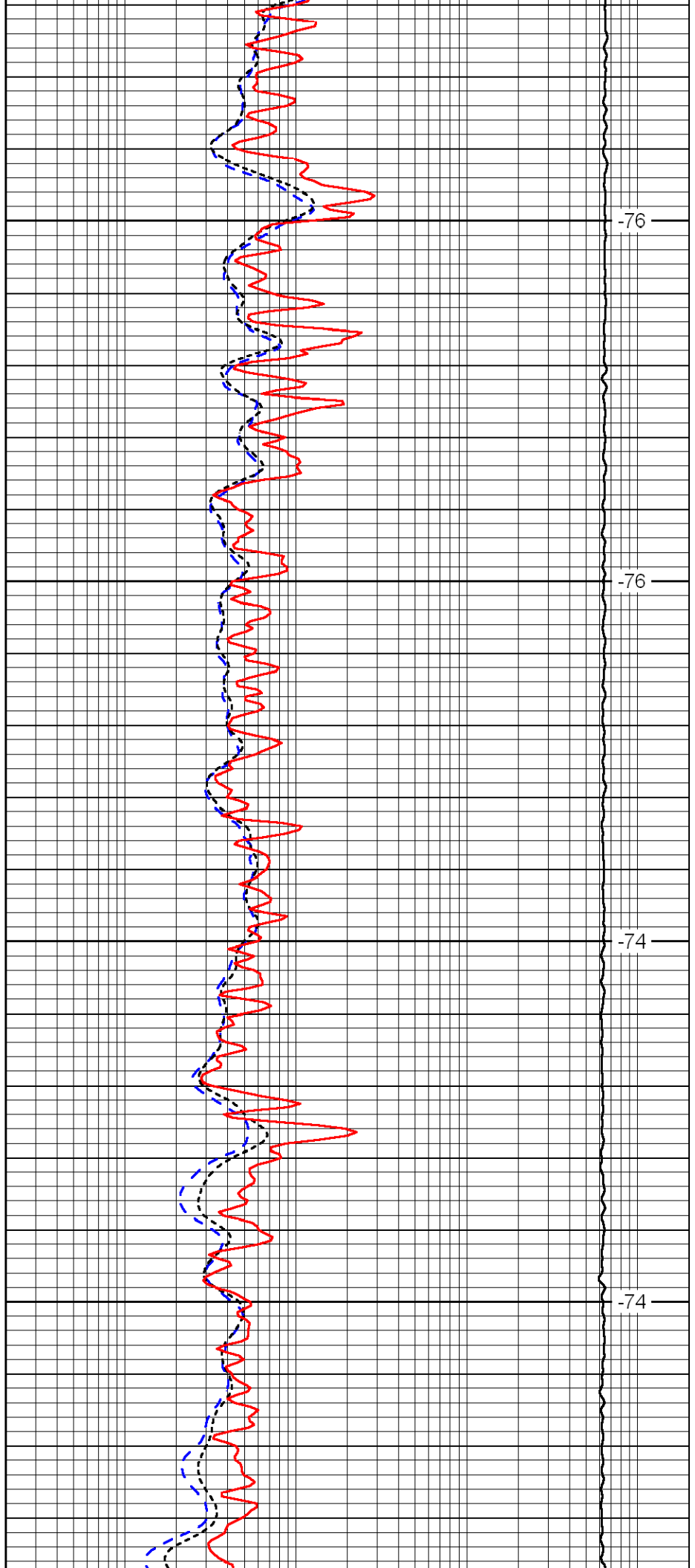


2800

2850

2900

2950

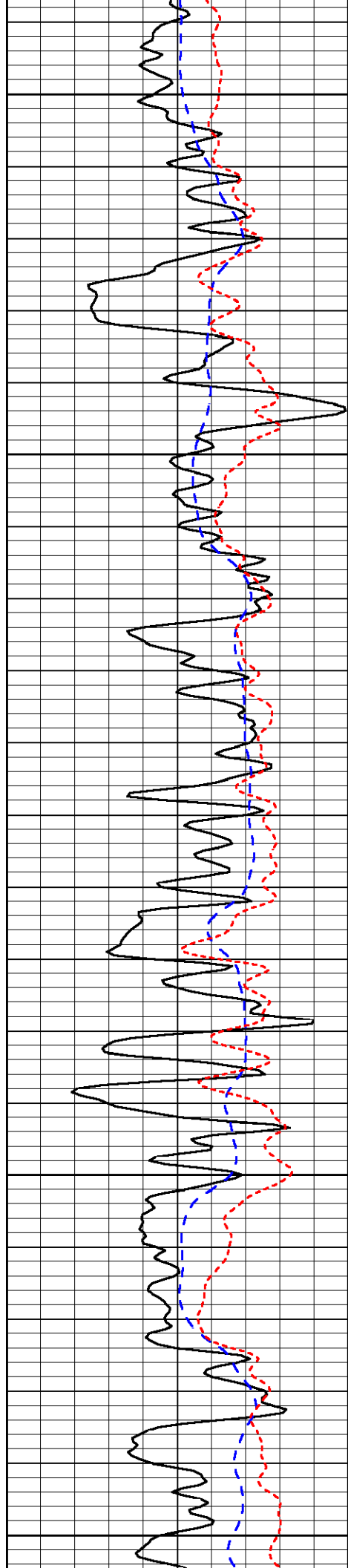


-76

-76

-74

-74



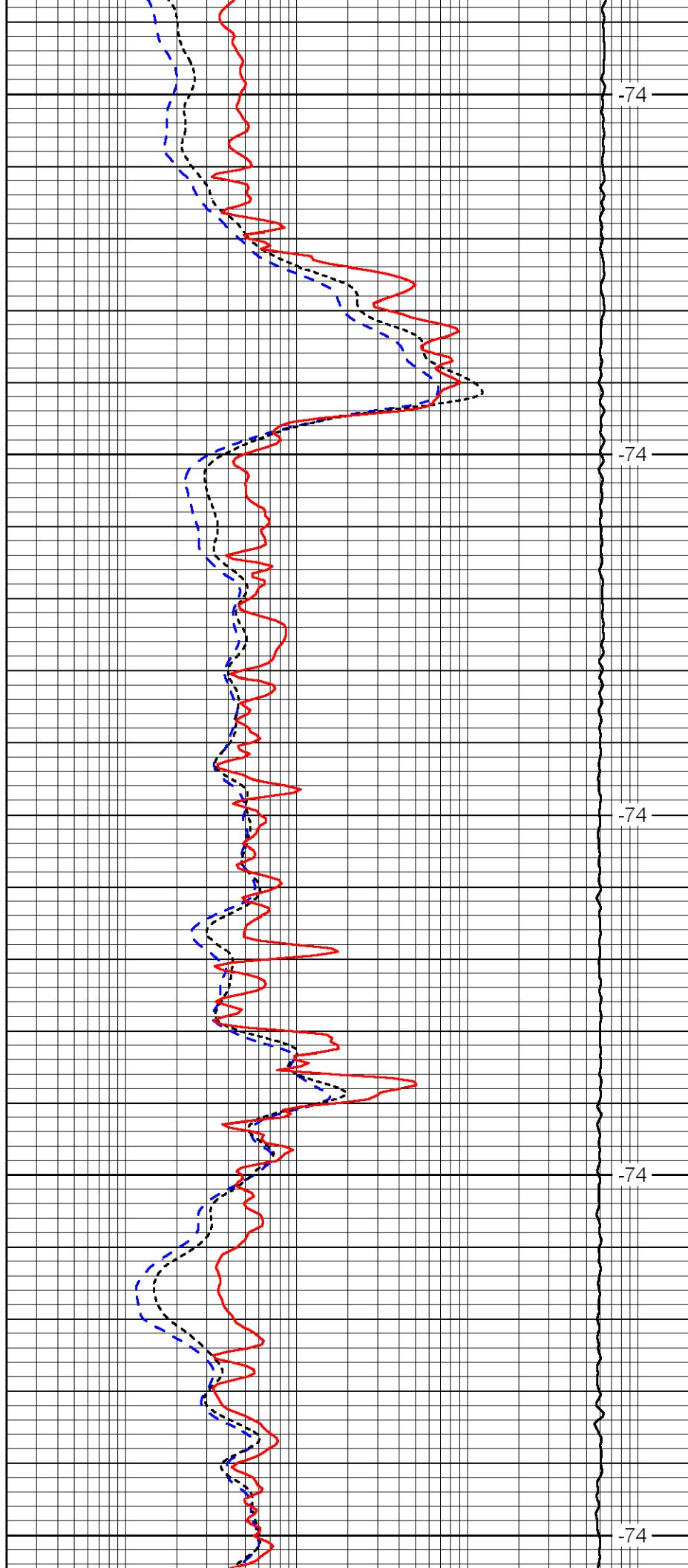
3000

3050

3100

3150

3200



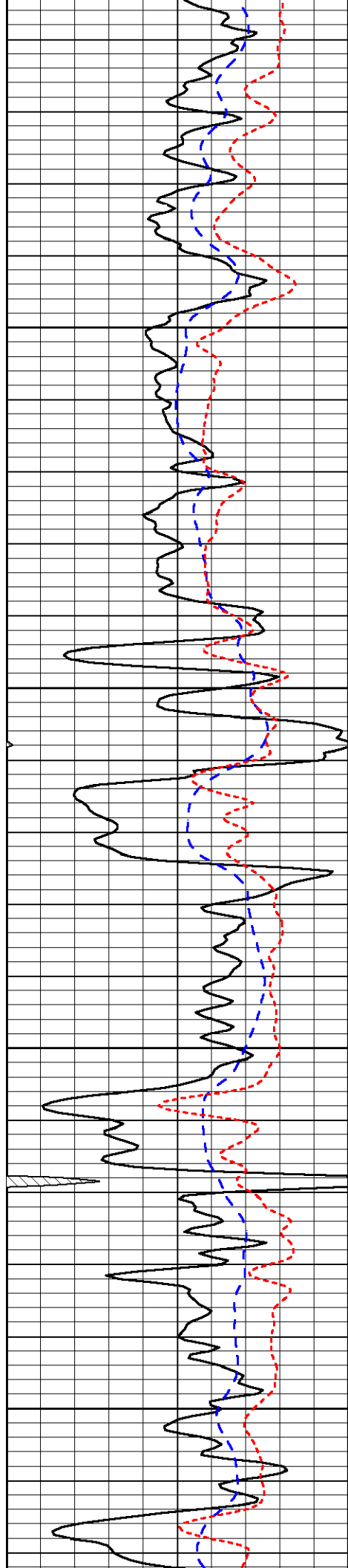
-74

-74

-74

-74

-74

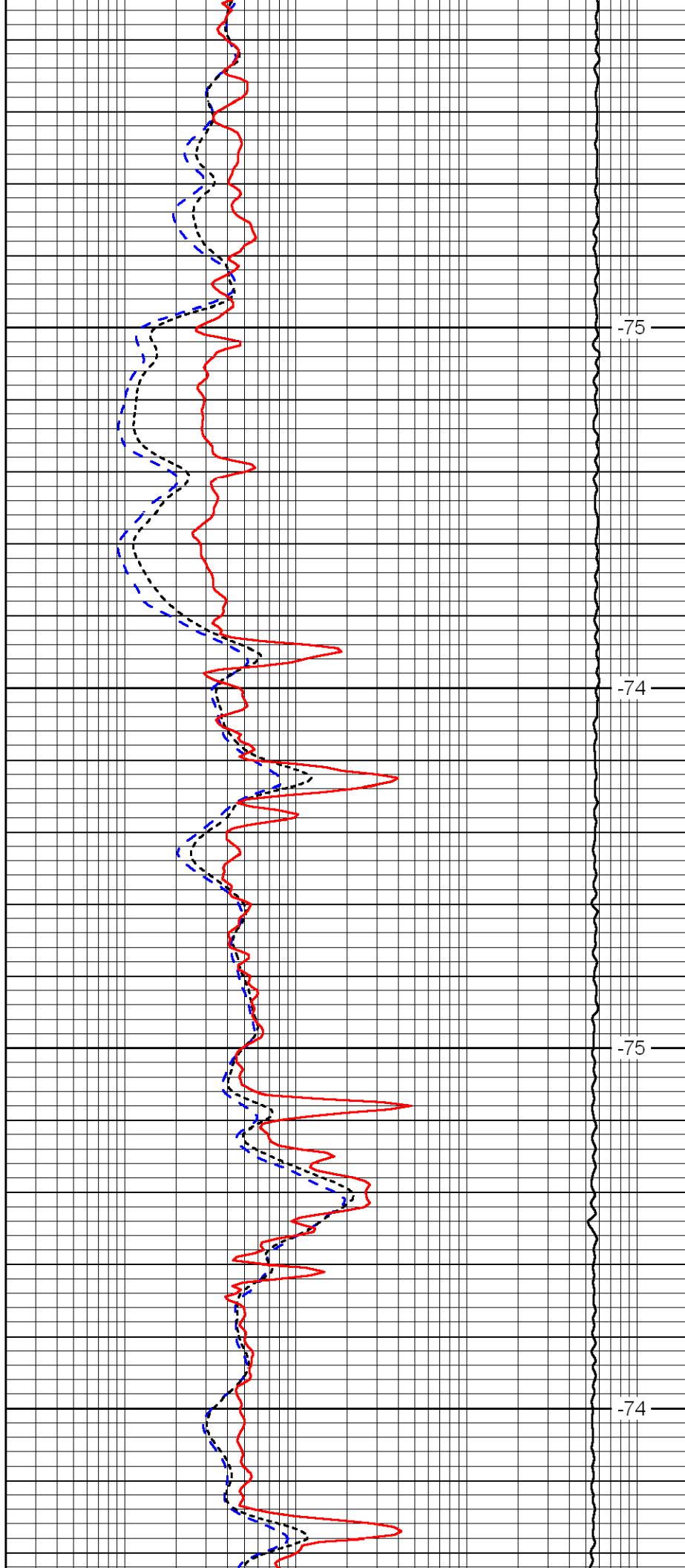


3250

3300

3350

3400

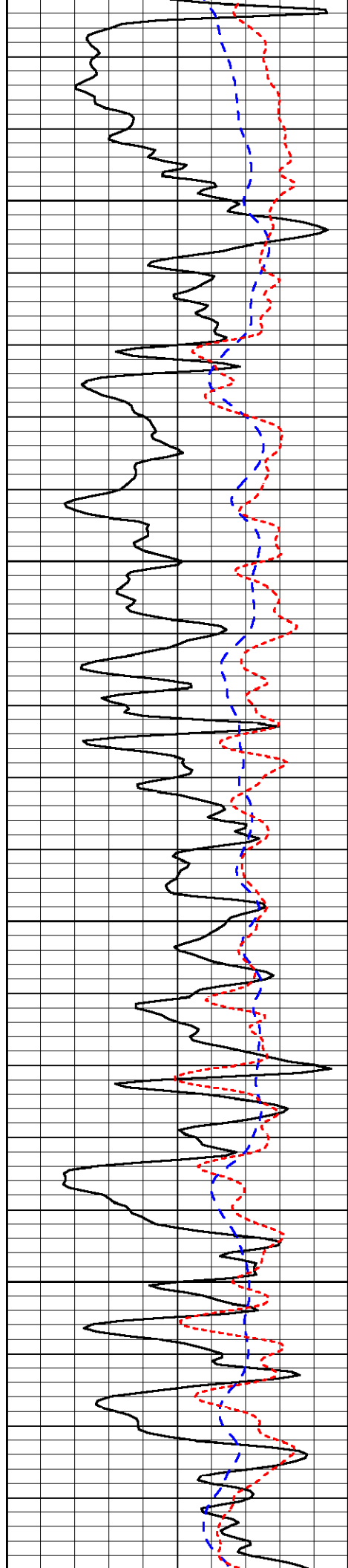


-75

-74

-75

-74

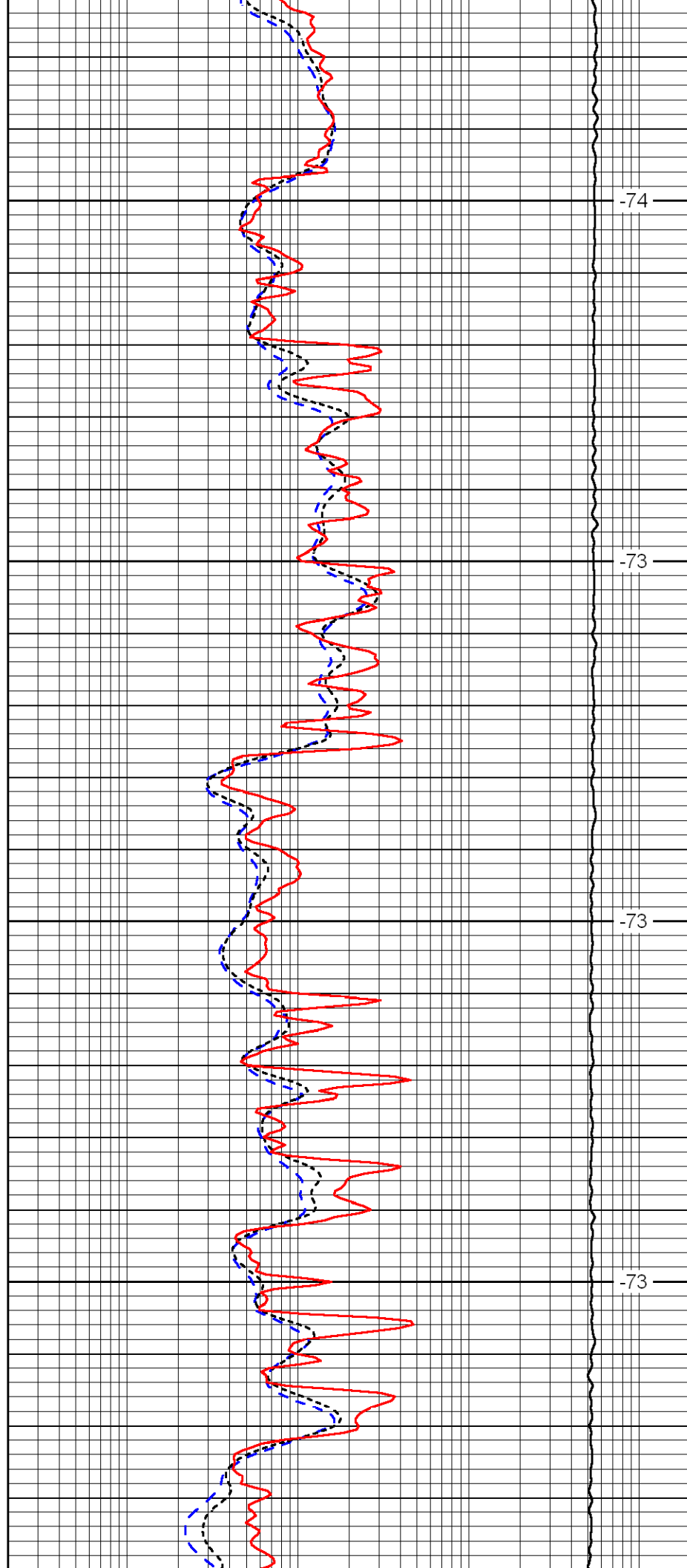


3450

3500

3550

3600

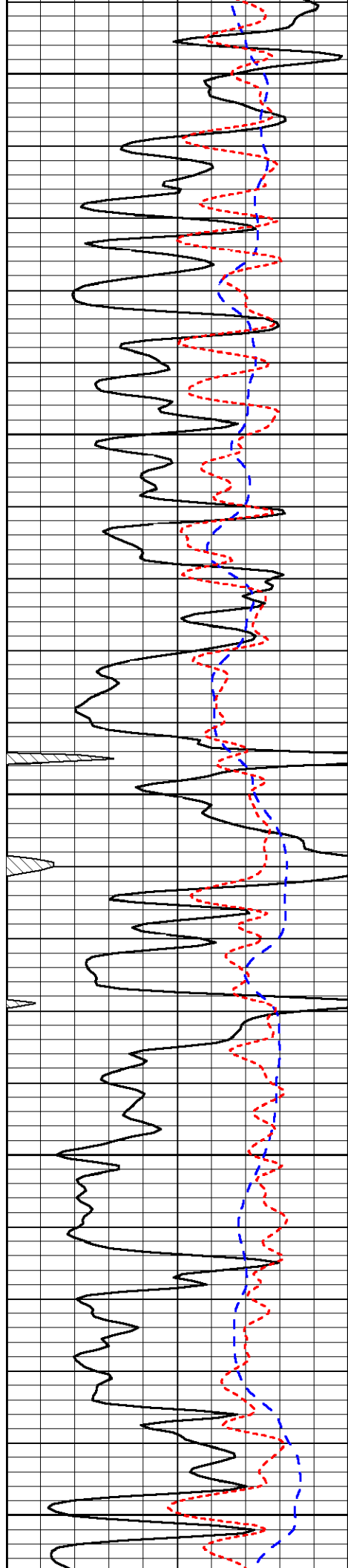


-74

-73

-73

-73



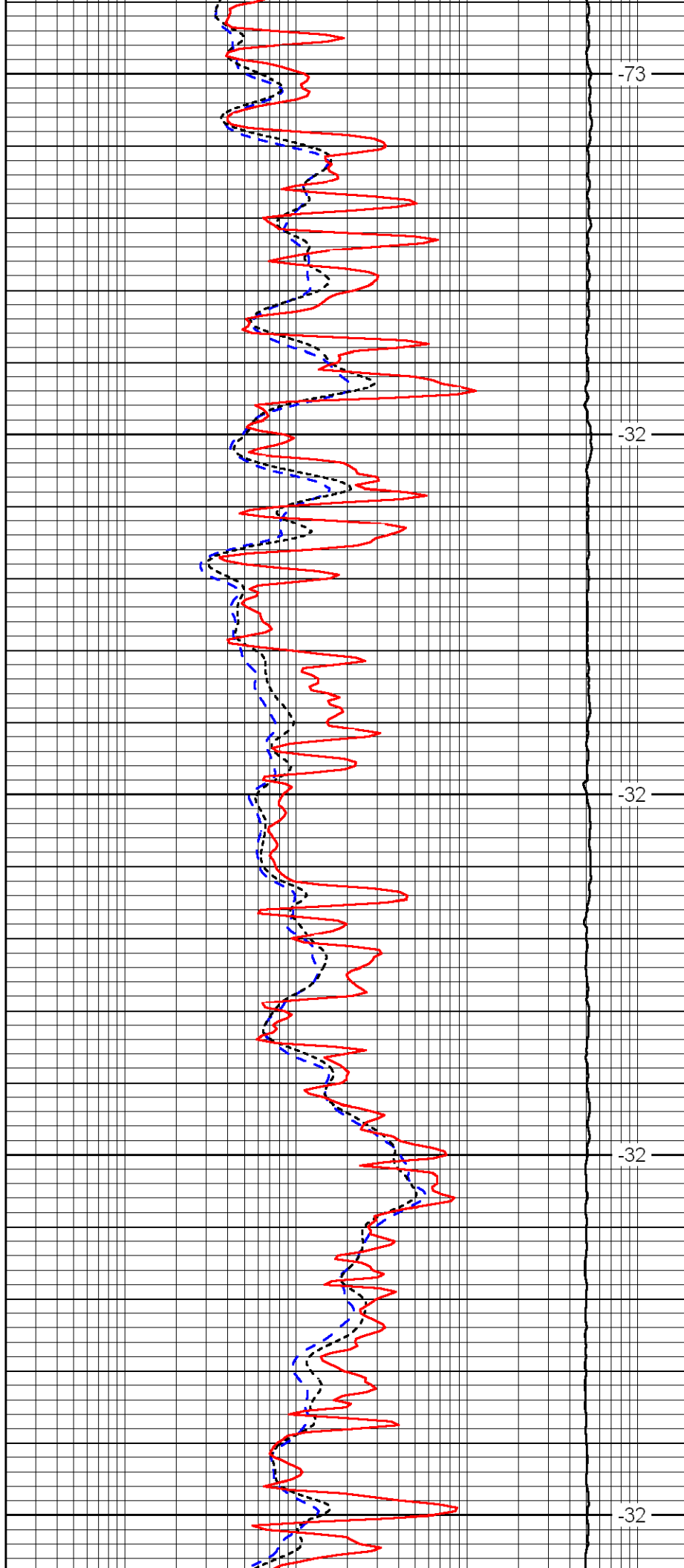
3650

3700

3750

3800

3850



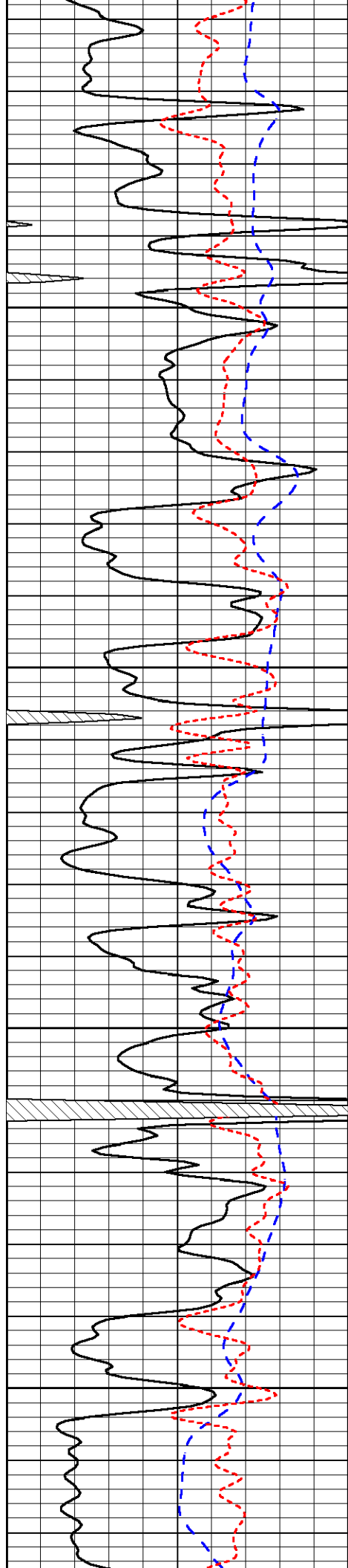
-73

-32

-32

-32

-32

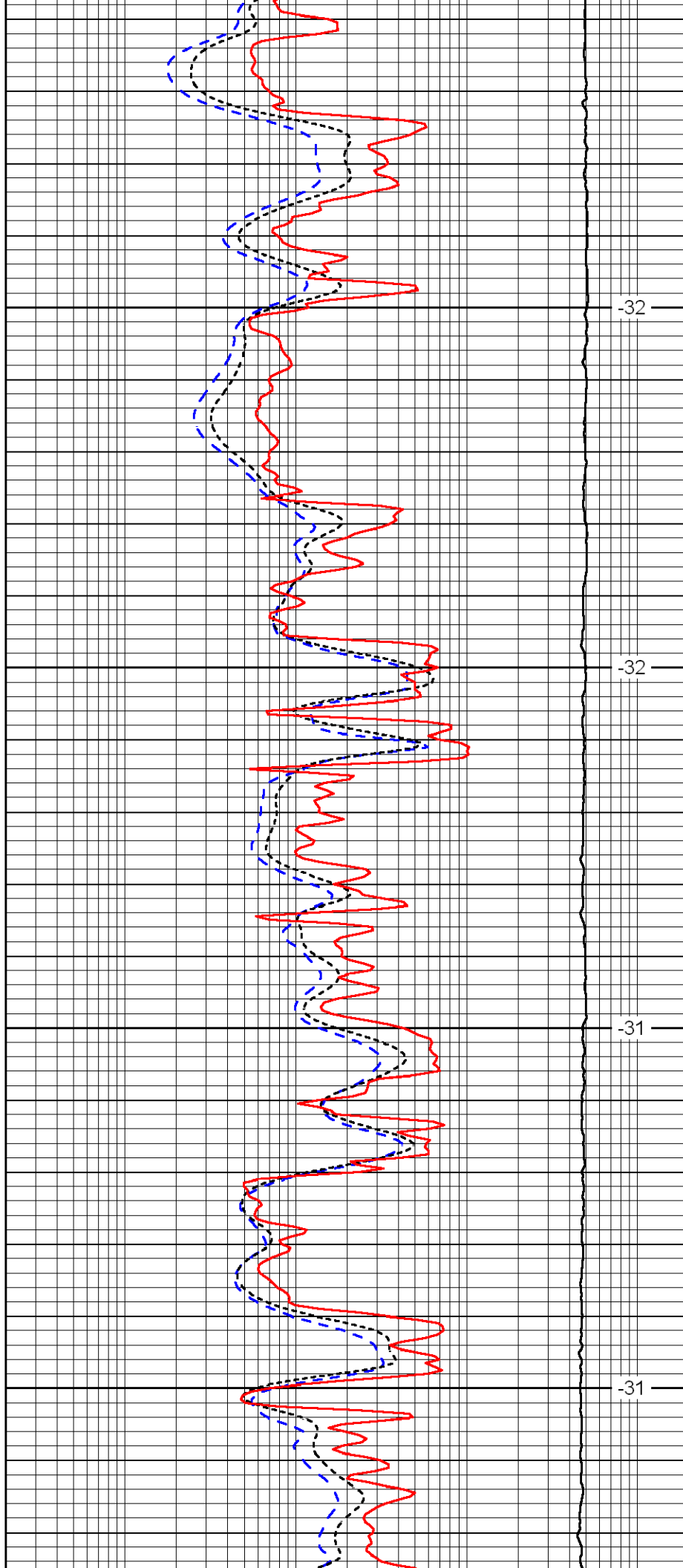


3900

3950

4000

4050

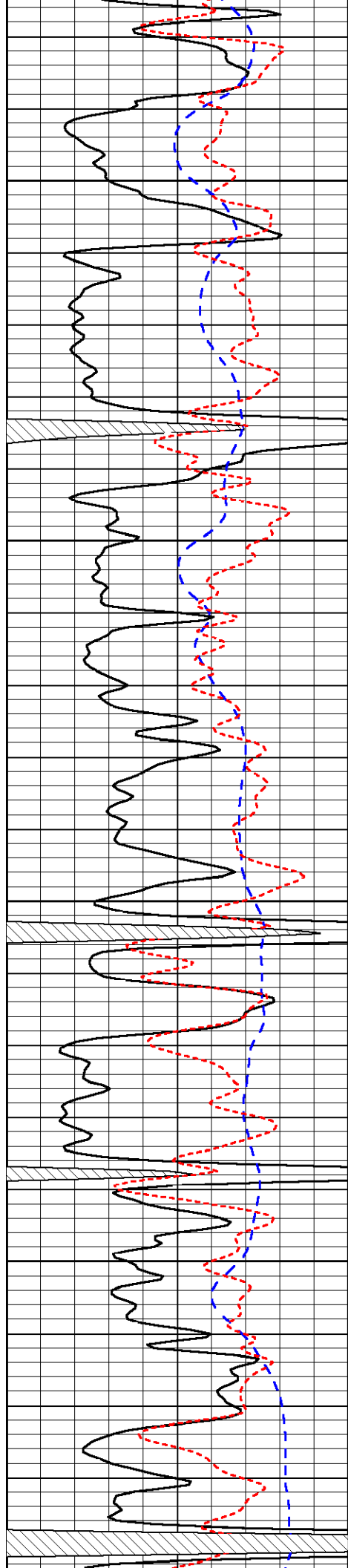


-32

-32

-31

-31

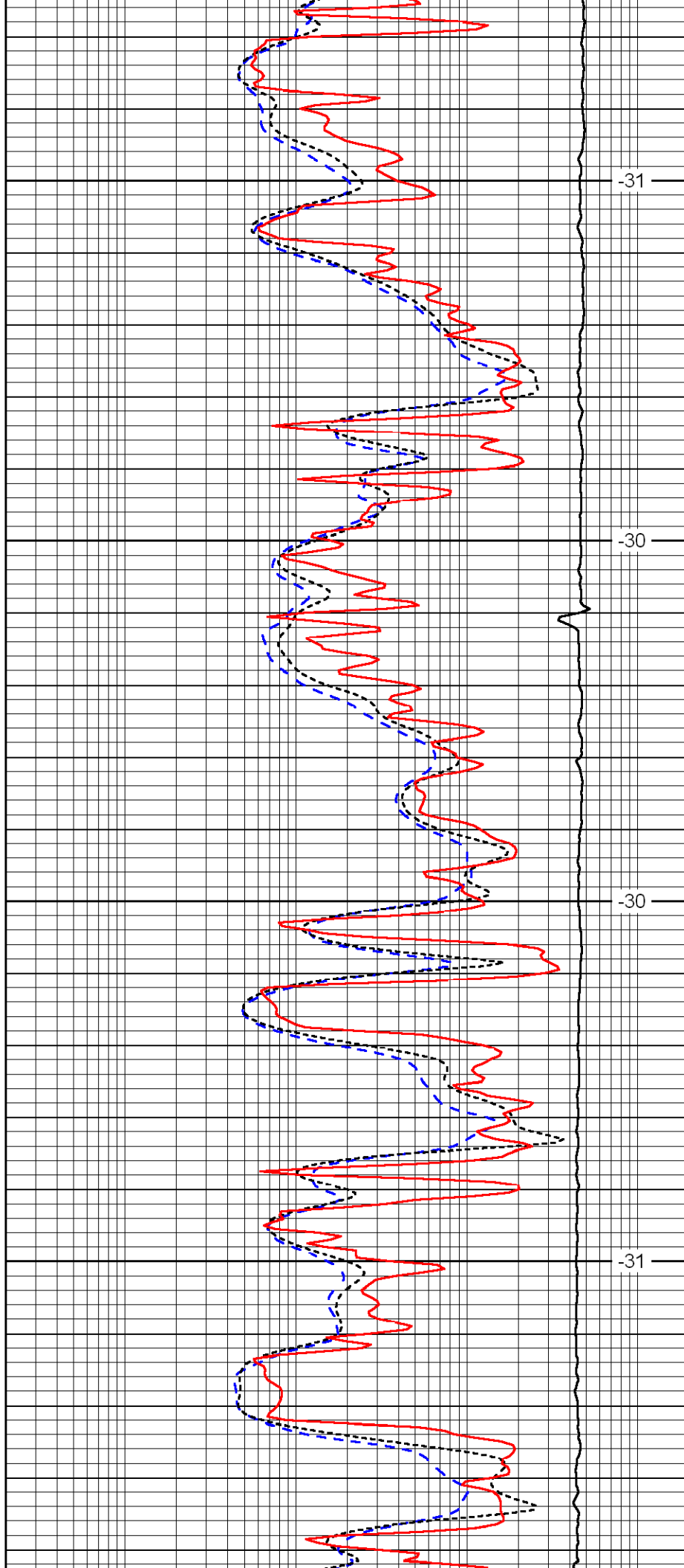


4100

4150

4200

4250

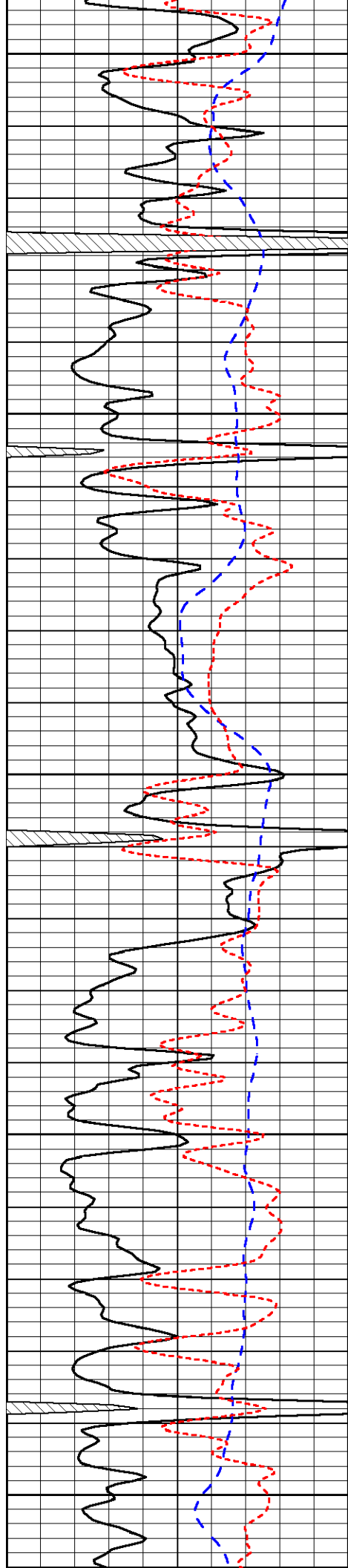


-31

-30

-30

-31



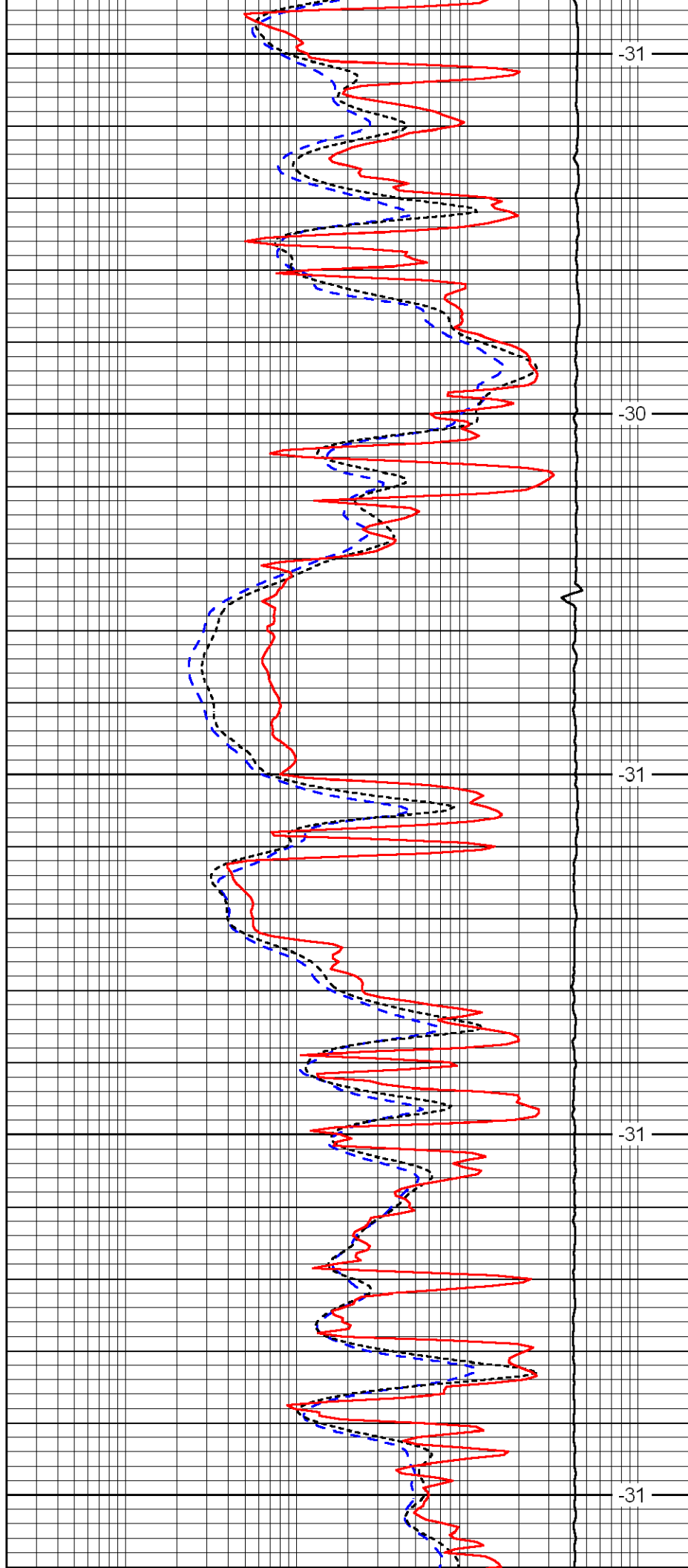
4300

4350

4400

4450

4500



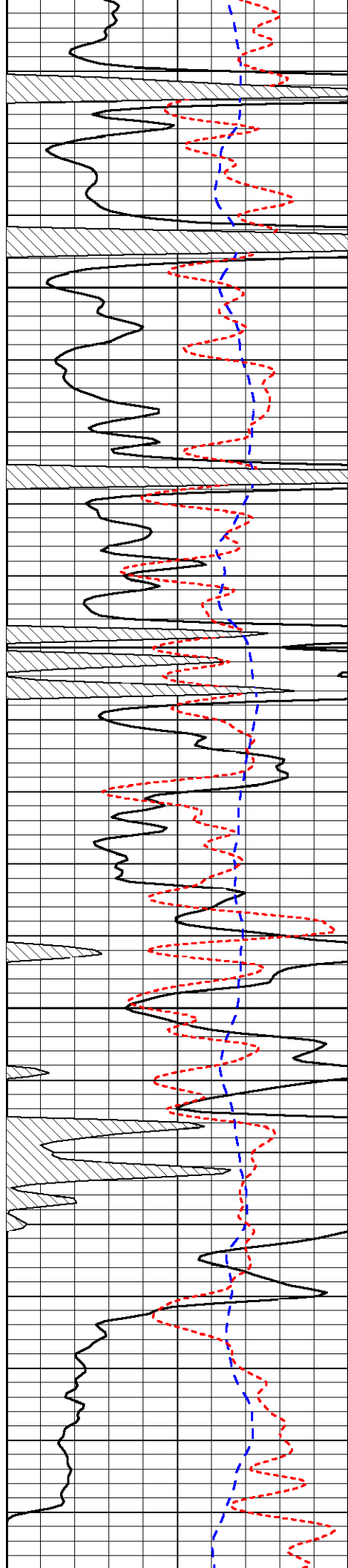
-31

-30

-31

-31

-31

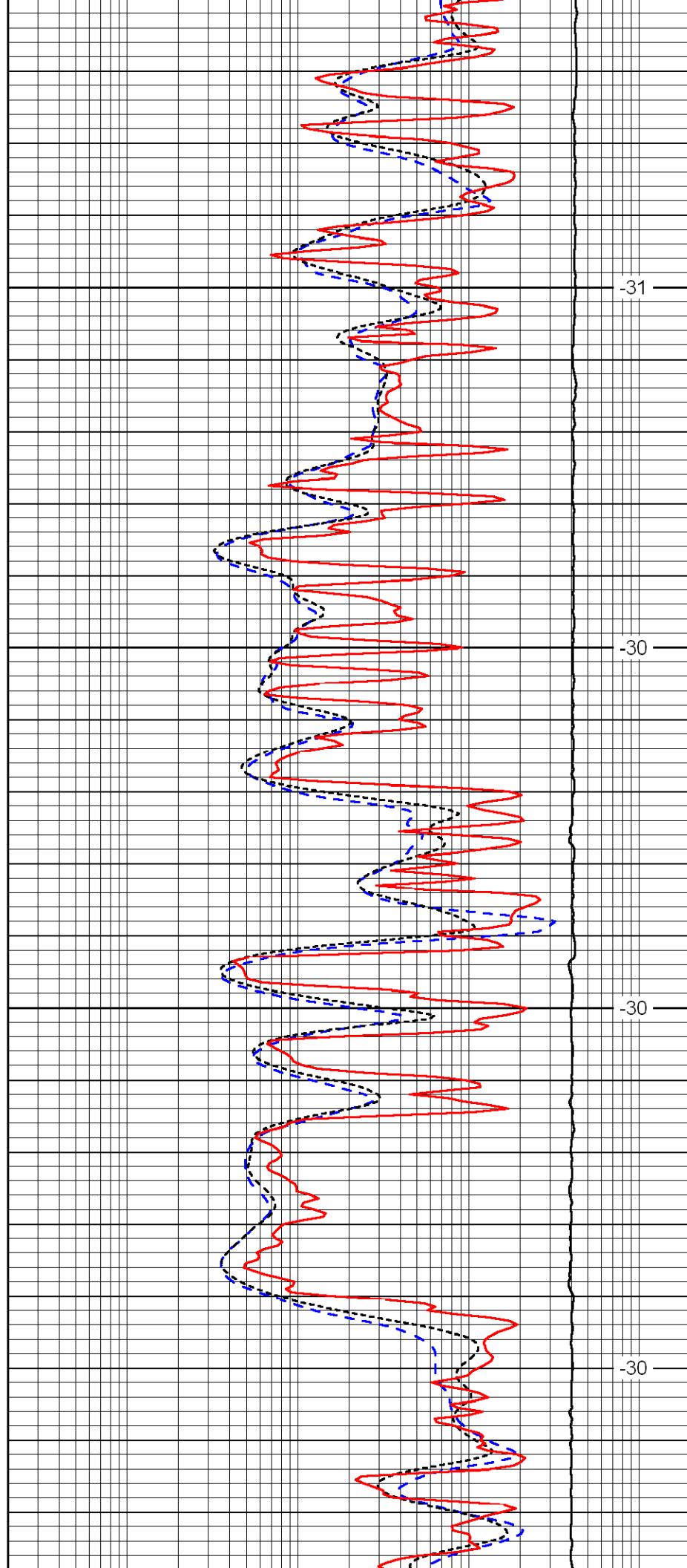


4550

4600

4650

4700

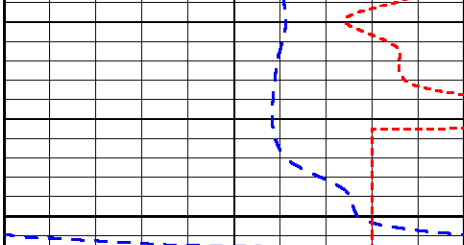


-31

-30

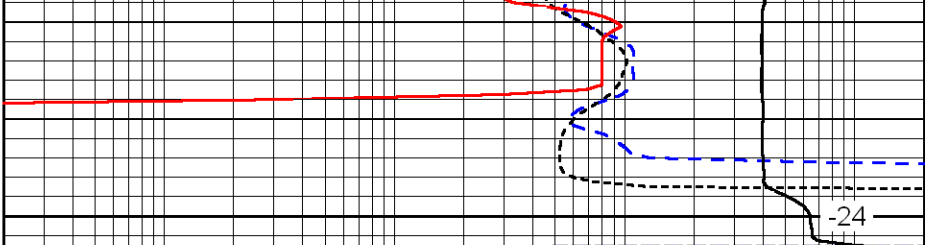
-30

-30



4750

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



-24

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

LSPD