



# Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-051-26,209-00-00		
Company	Murfin Drilling Company, Inc.		
Well	Stadelman Unit No. 1-3		
Field	Stadelman		
County	Ellis	State	Kansas
Location	1100' FSL & 370' FWL		
Sec: 3	Twp: 14 S	Rge: 19 W	
Permanent Datum	Ground Level	Elevation 2215	Other Services CNL/CDL MEL/BHCS
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 2220
Drilling Measured From	Kelly Bushing		D.F. 2215
			G.L. 2215

Date	10/29/2011	
Run Number	One	
Depth Driller	3965	
Depth Logger	3968	
Bottom Logged Interval	3967	
Top Log Interval	00	
Casing Driller	8.625 @ 220	
Casing Logger	220	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5300	
Density / Viscosity	9.2	54
pH / Fluid Loss	10.5	6.8
Source of Sample	Flowline	
Rm @ Meas. Temp	.65	@ 66
Rmf @ Meas. Temp	.48	@ 66
Rmc @ Meas. Temp	.87	@ 66
Source of Rmf / Rmc	Charts	
Rm @ BHT	.36	@ 118
Operating Rig Time	5 Hours	
Max Rec. Temp. F	118	
Equipment Number	91	
Location	Hays	
Recorded By	D.Kerr	
Witnessed By	Paul Gunzelman	

<<< 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

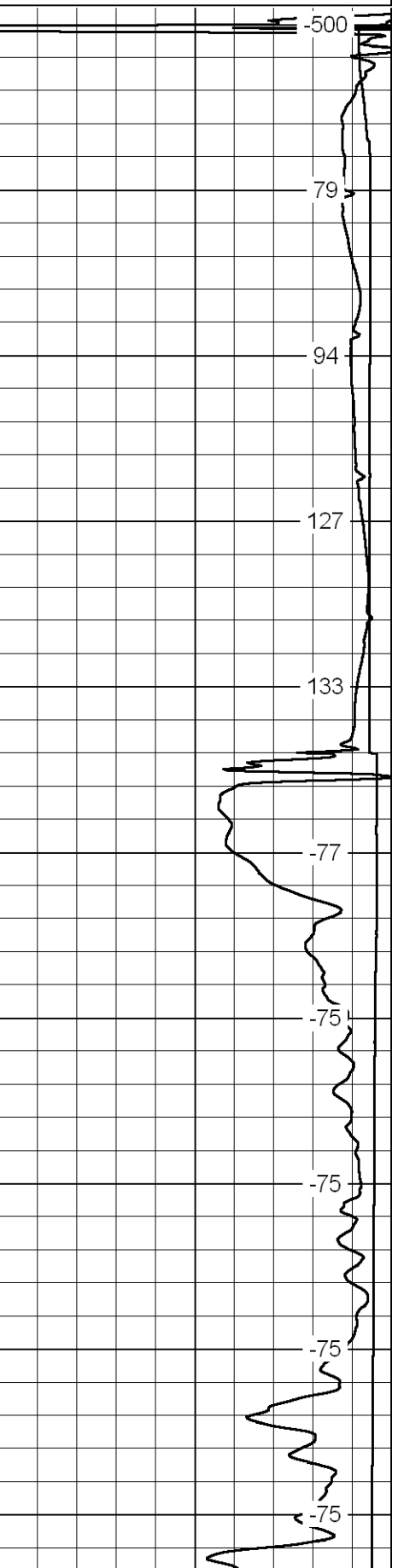
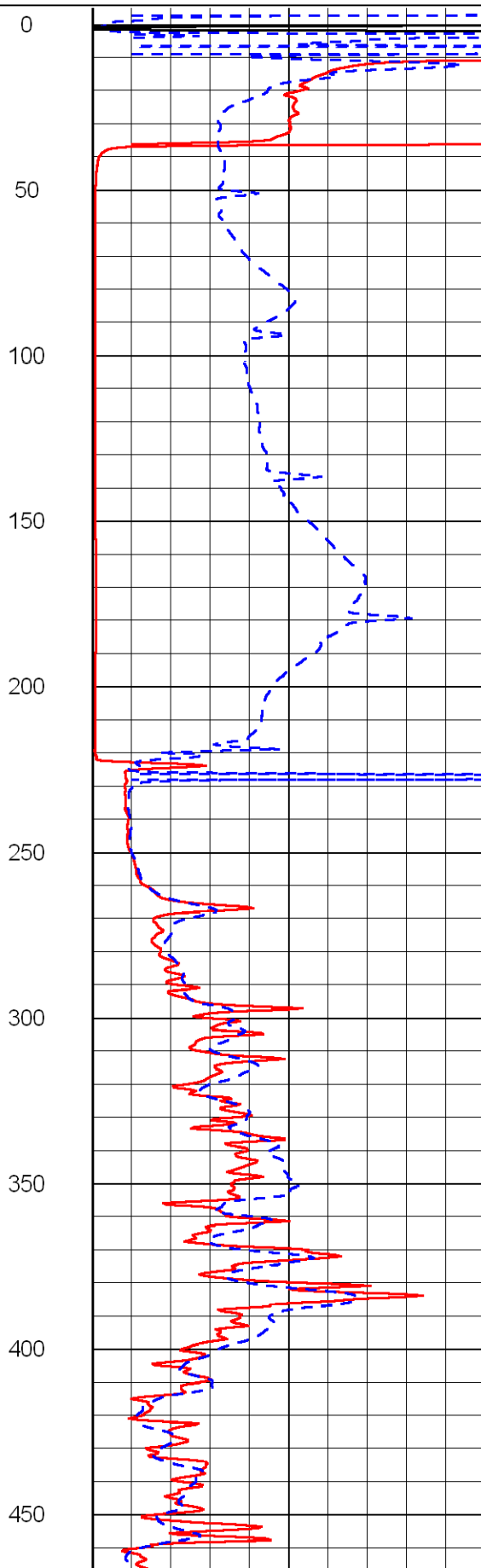
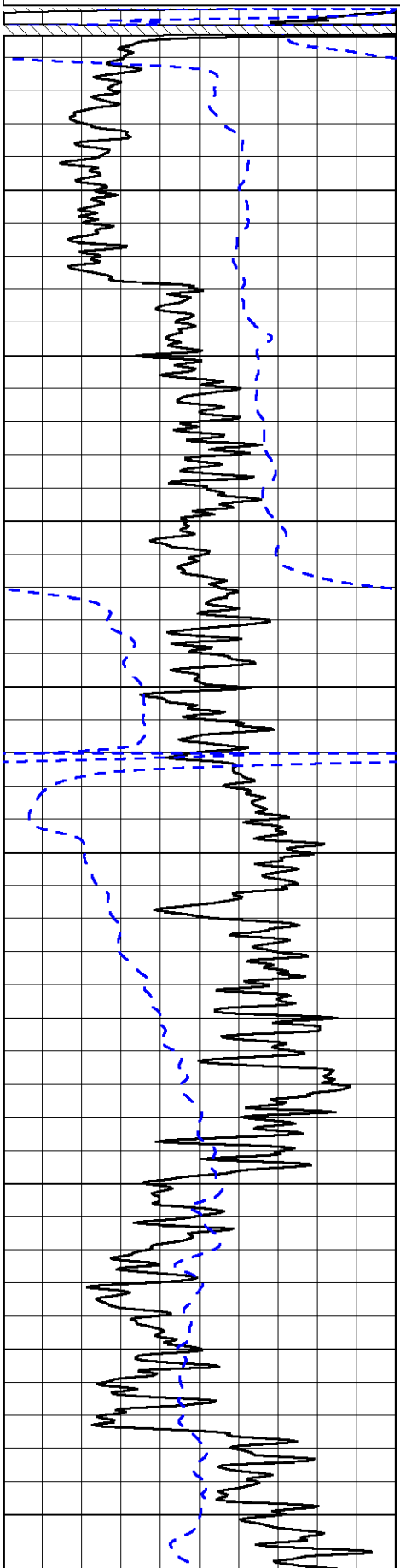
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
 Hays KS,  
 Yocemento and Golf Course RD,  
 1/2 East, NorthEast Into

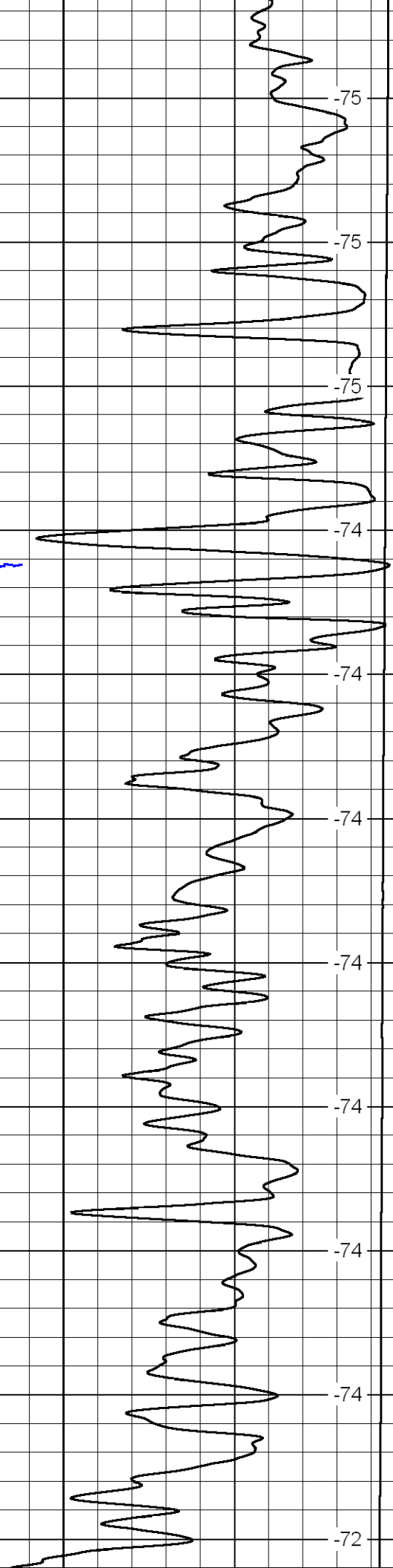
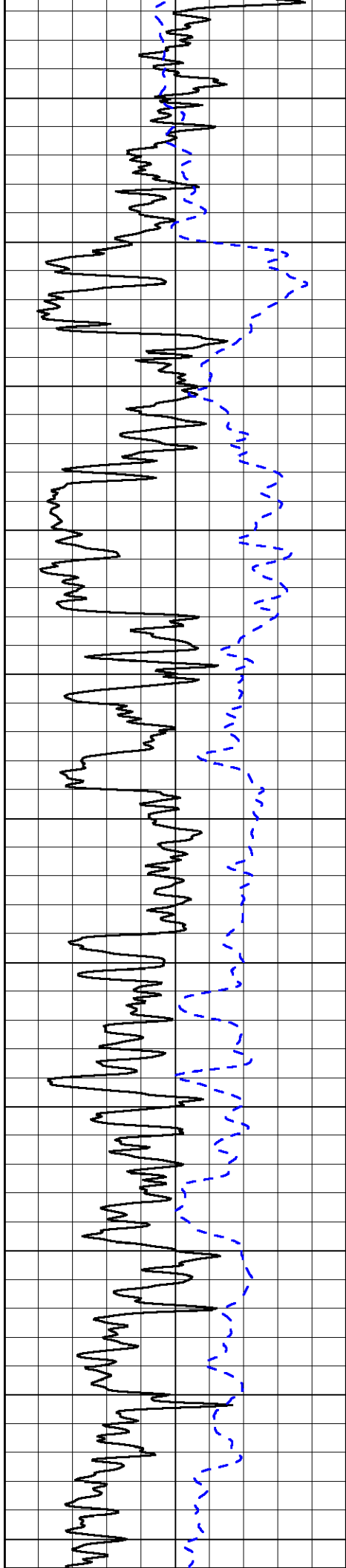
Database File: murfin\_stadelman\_102911hd.db  
 Dataset Pathname: DIL/mfrnstk  
 Presentation Format: dil2in  
 Dataset Creation: Sat Oct 29 10:36:49 2011  
 Charted by: Depth in Feet scaled 1:600

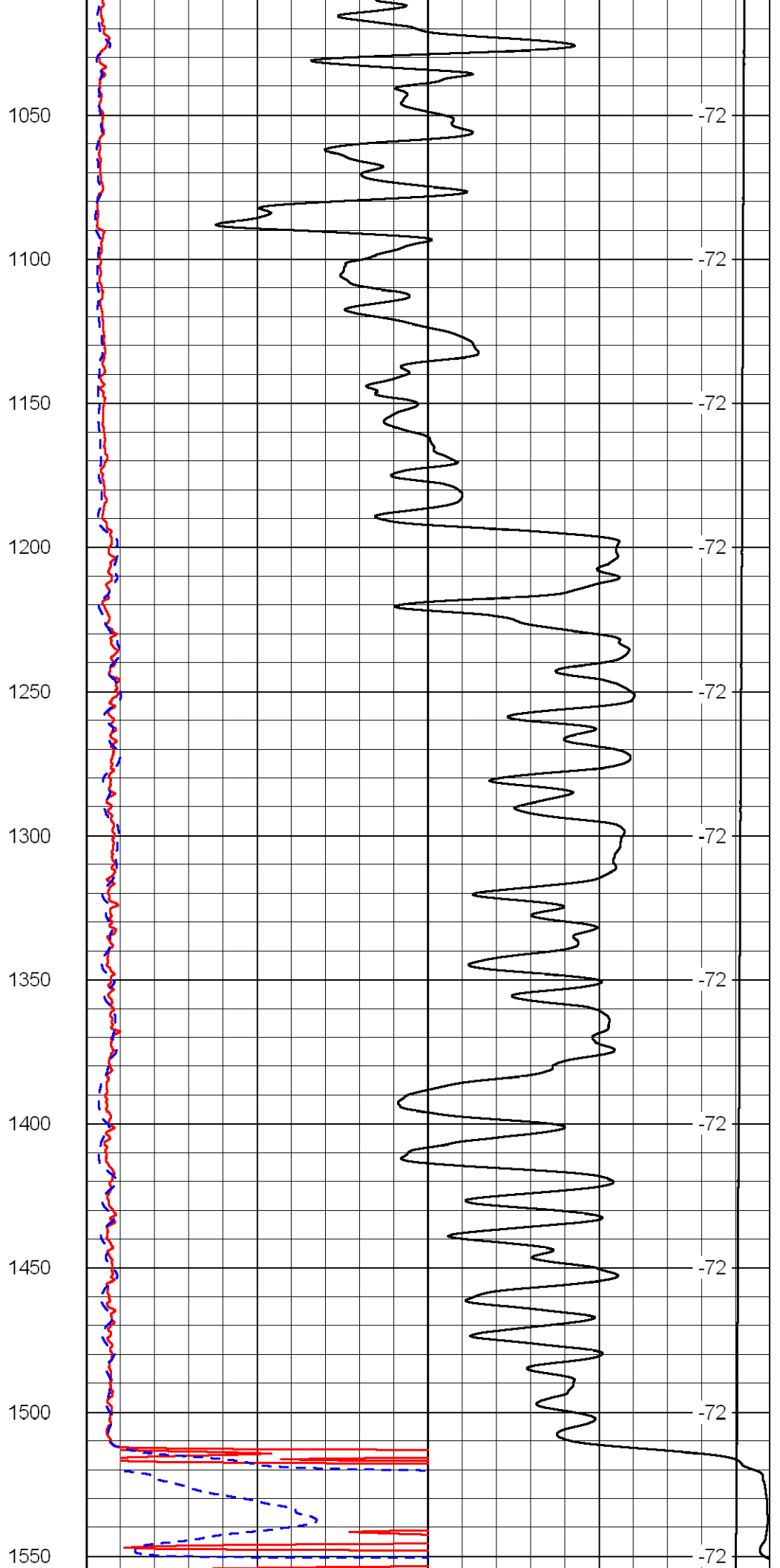
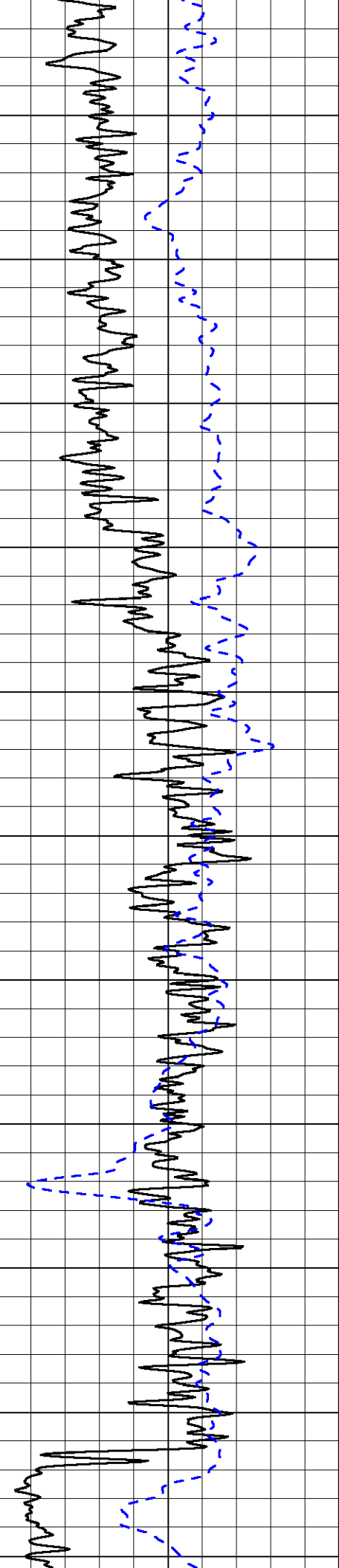
0	Gamma Ray	150
-200	SP	0

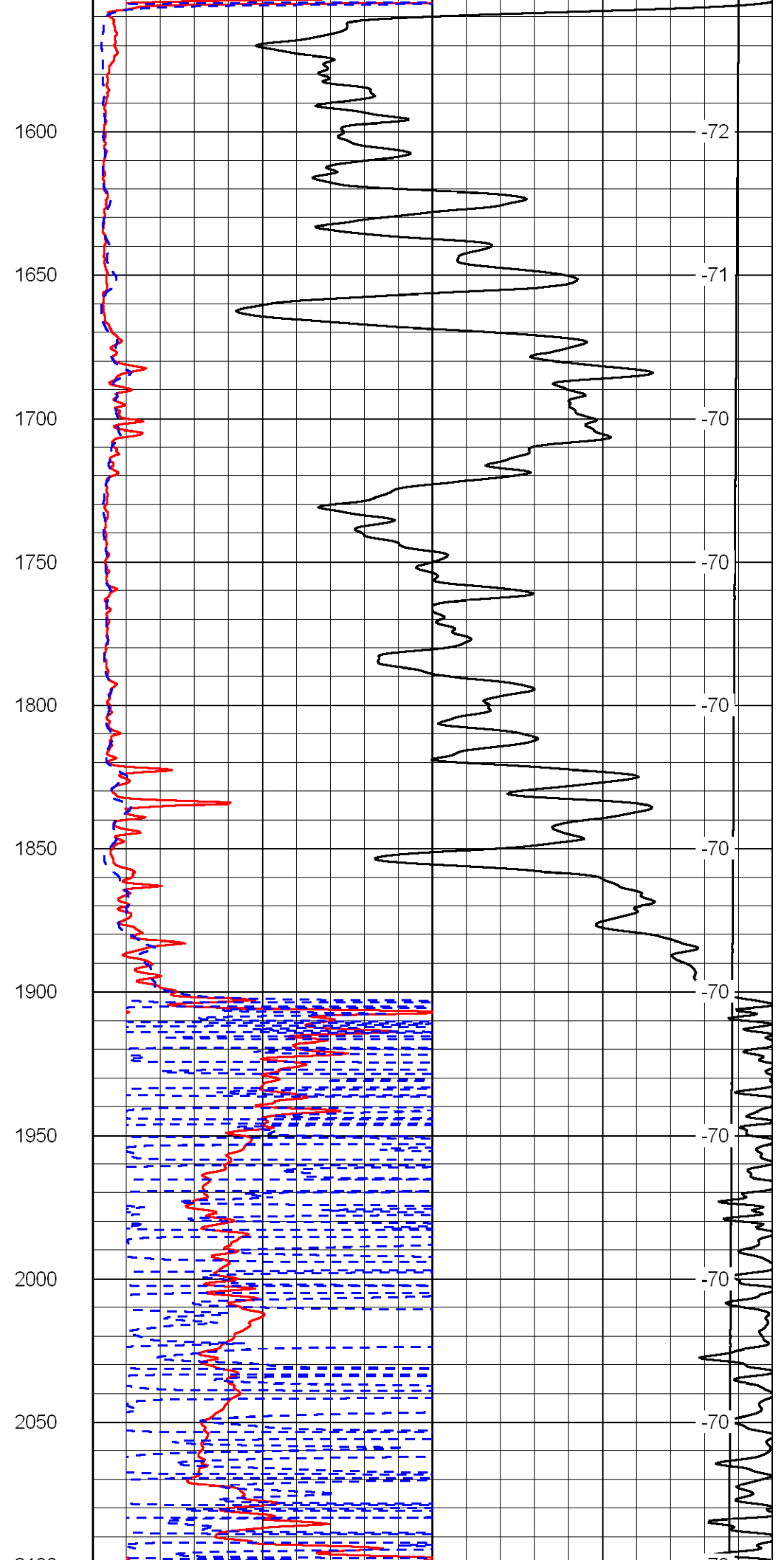
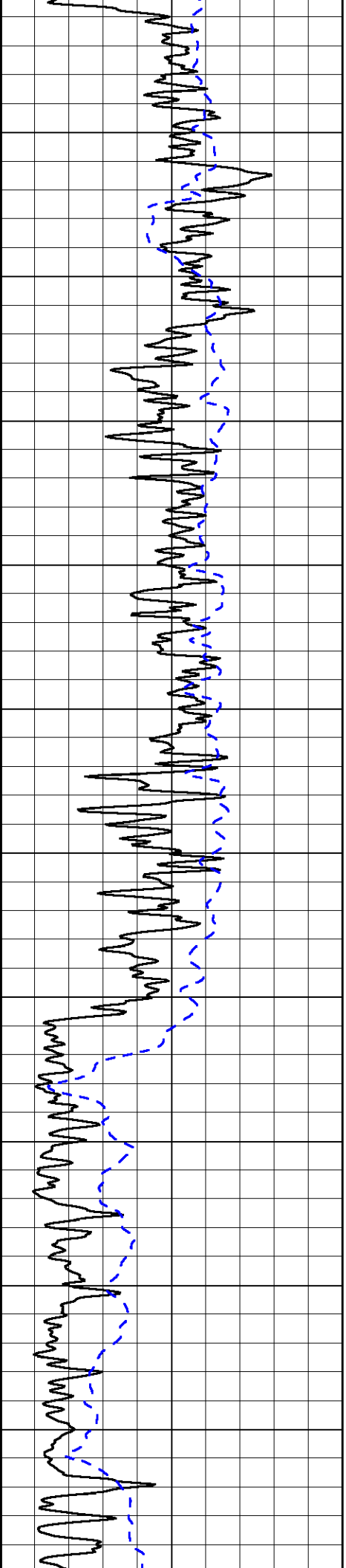
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

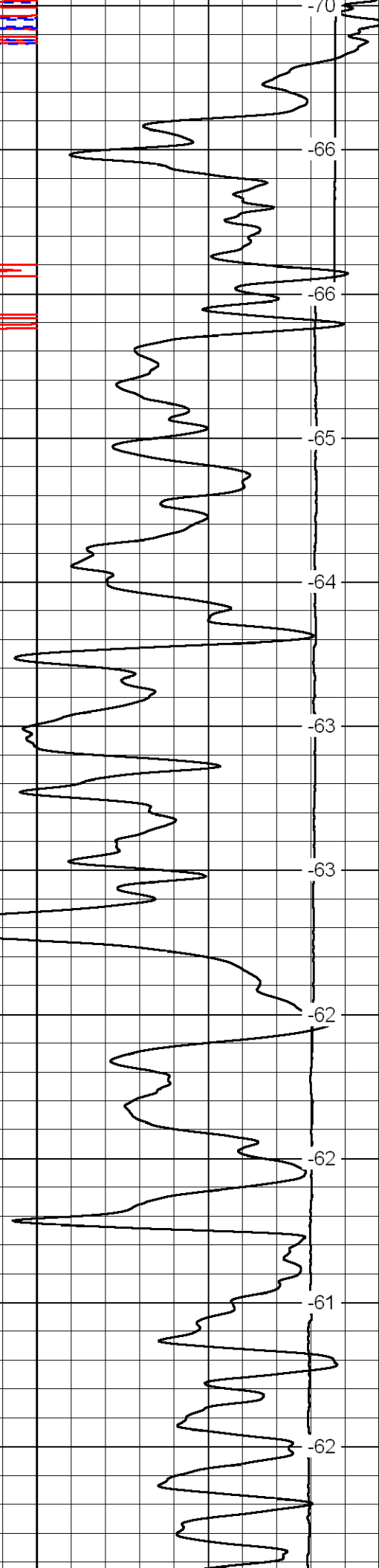
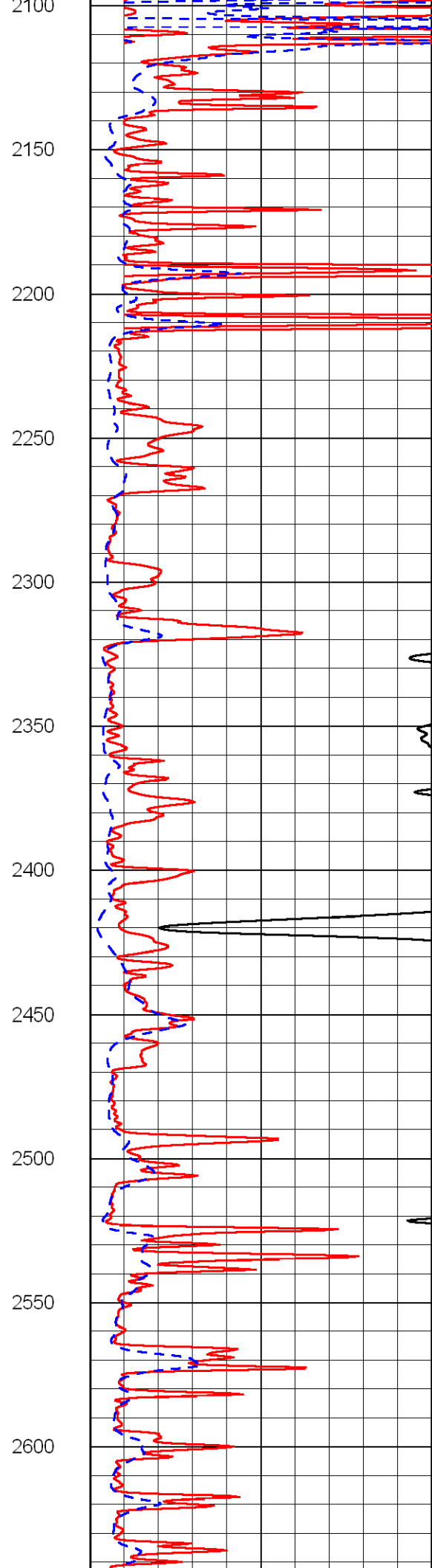
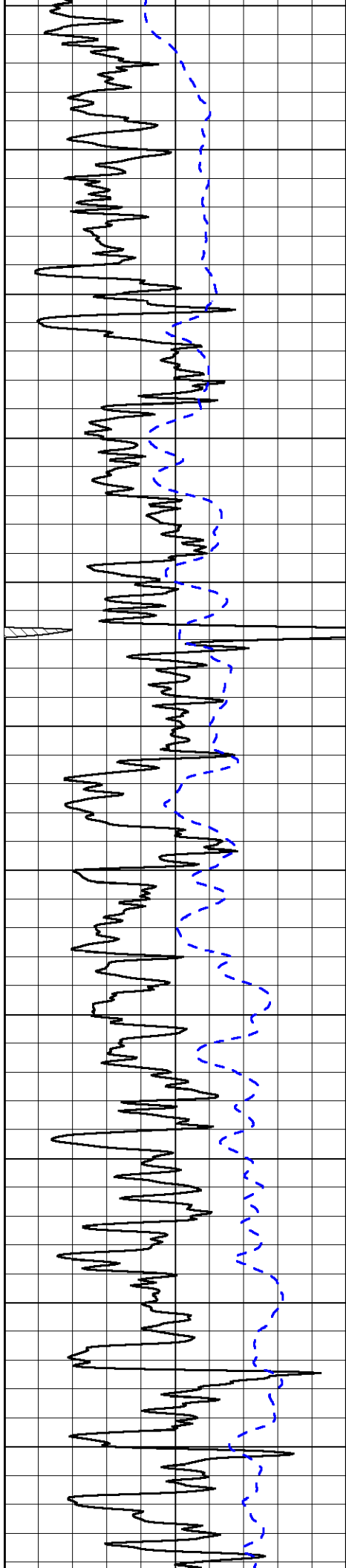
LSPD	0
------	---

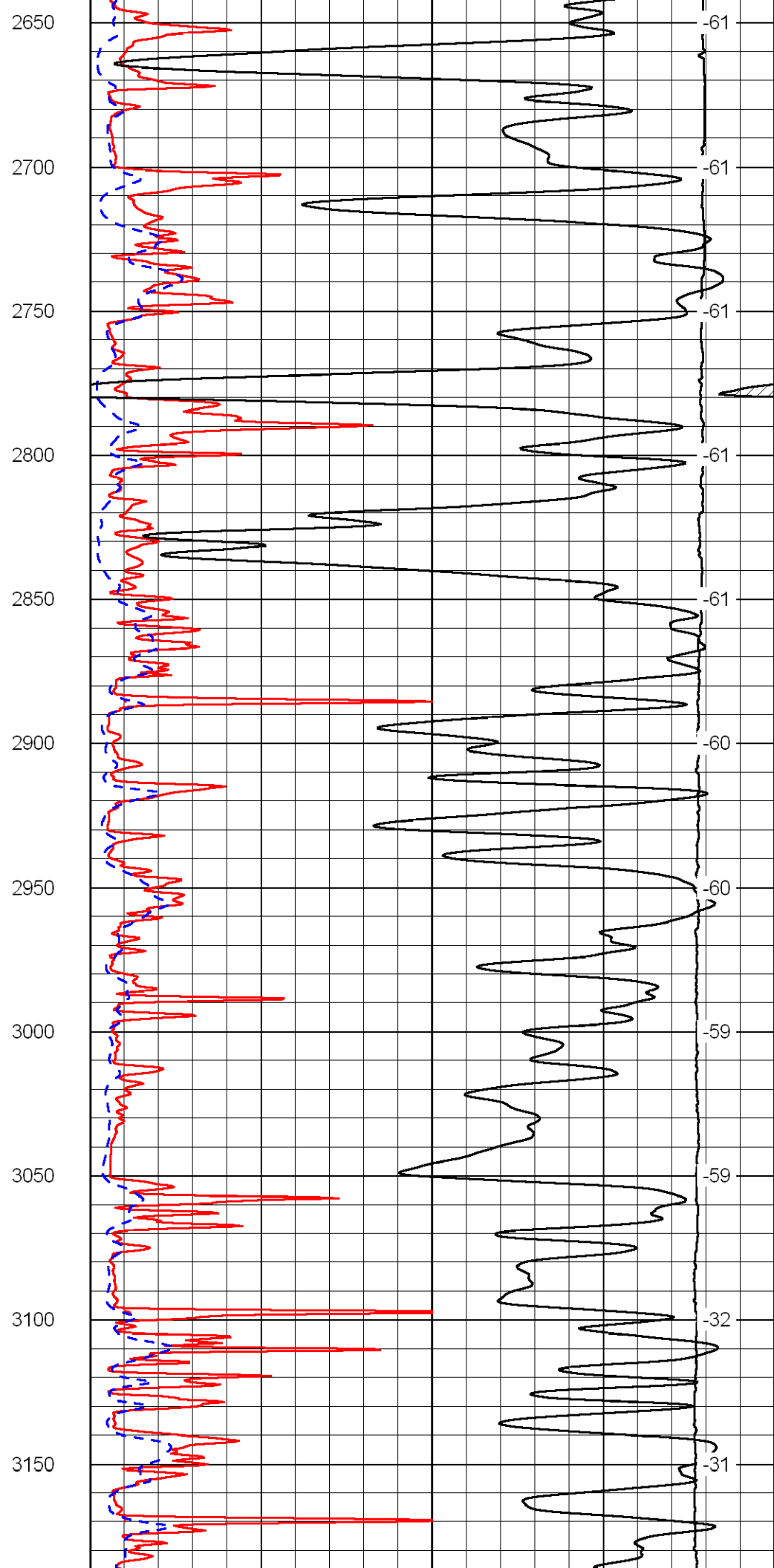
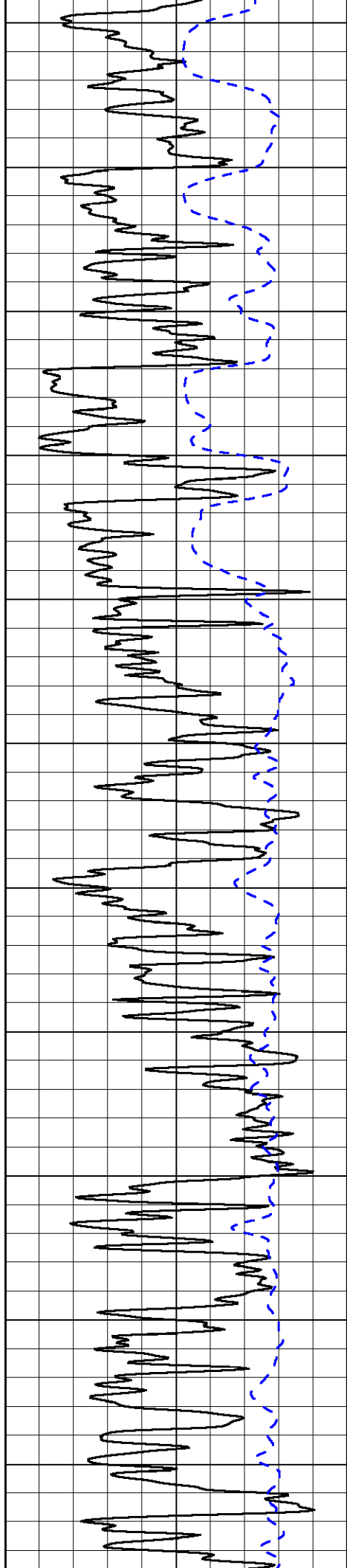


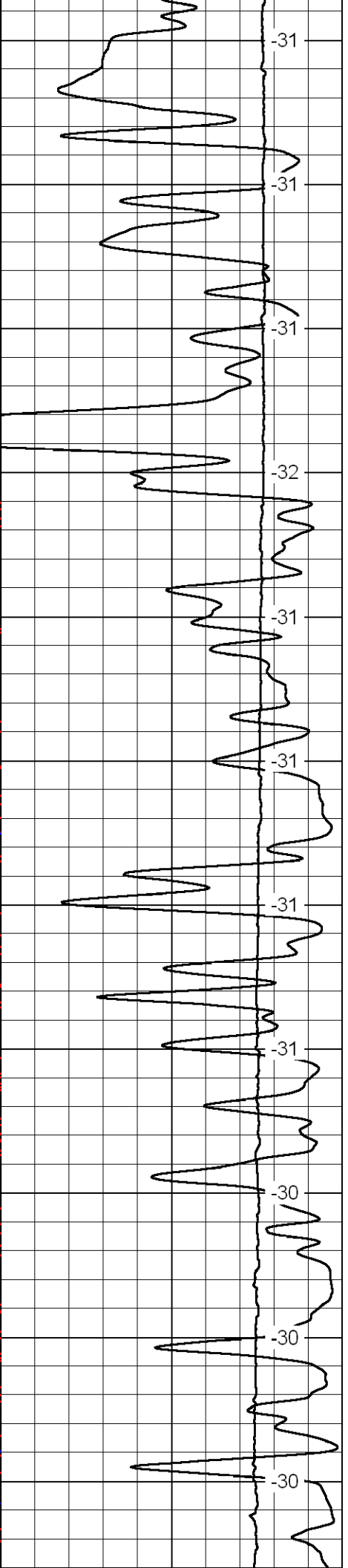
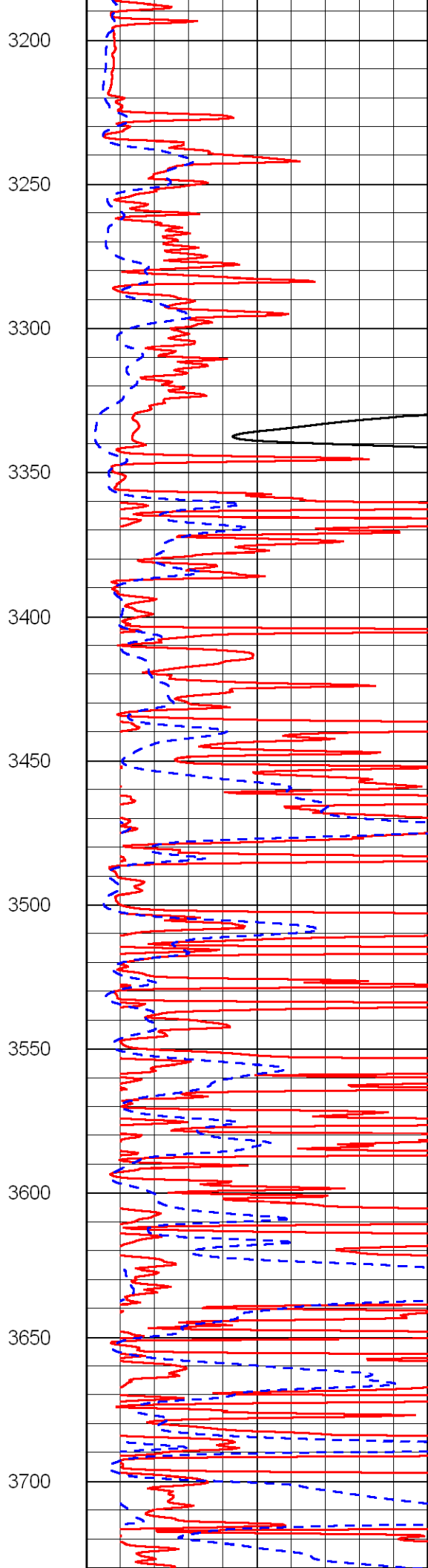
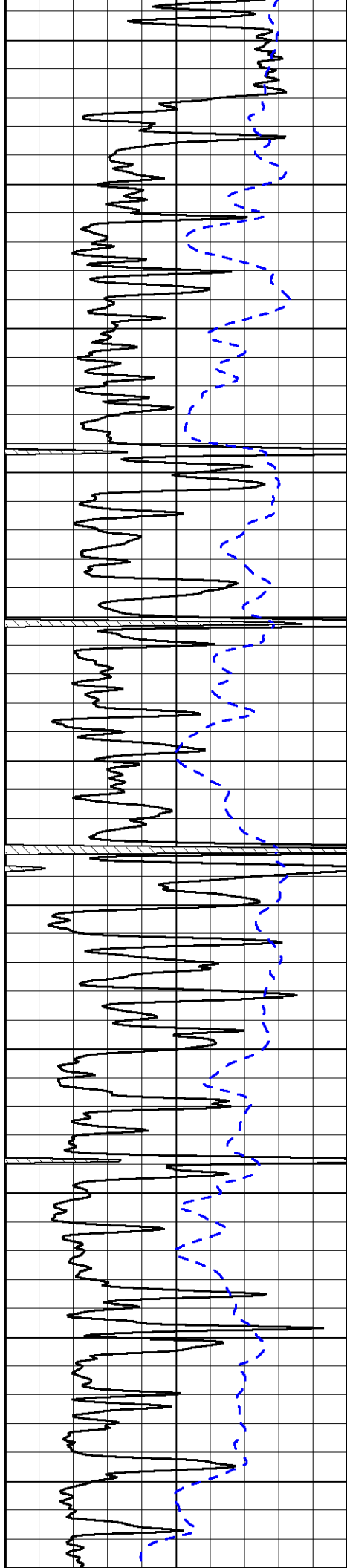




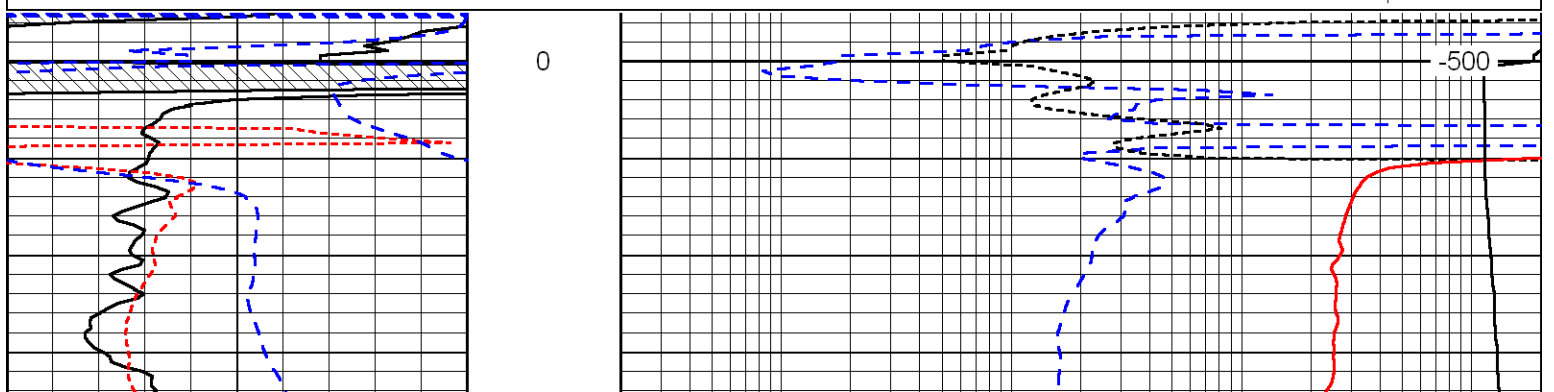
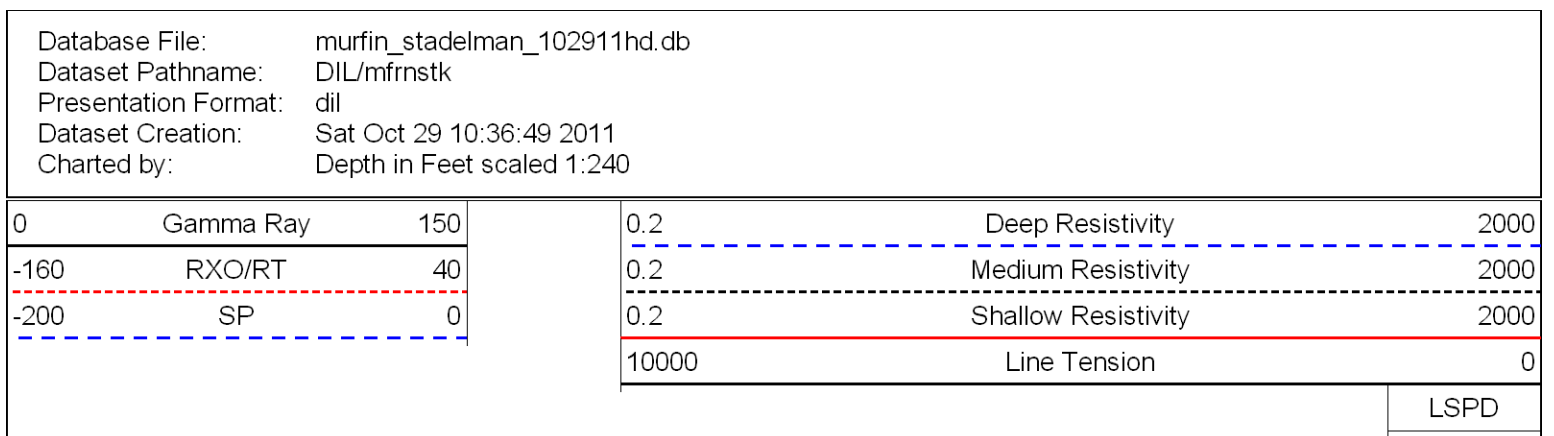
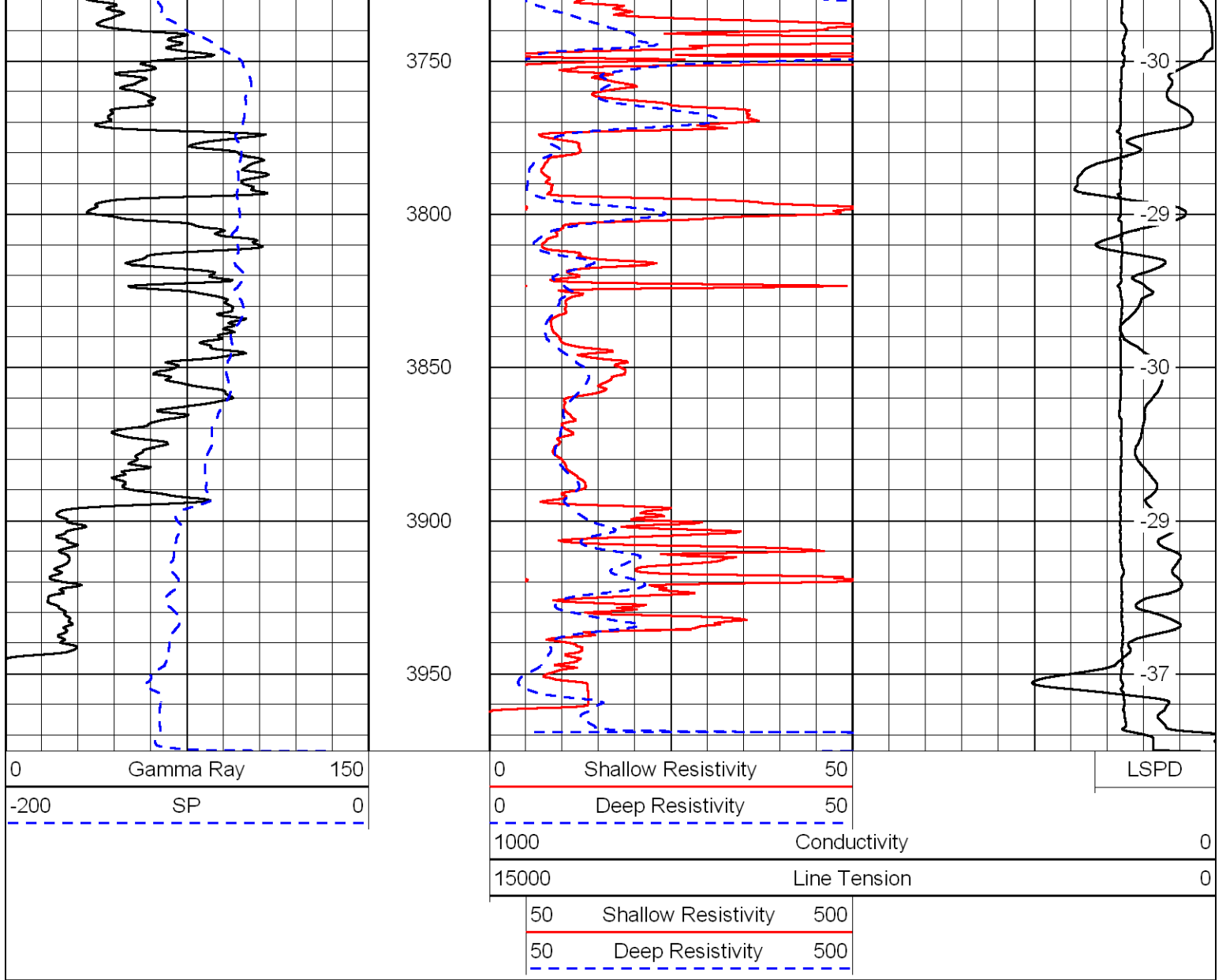


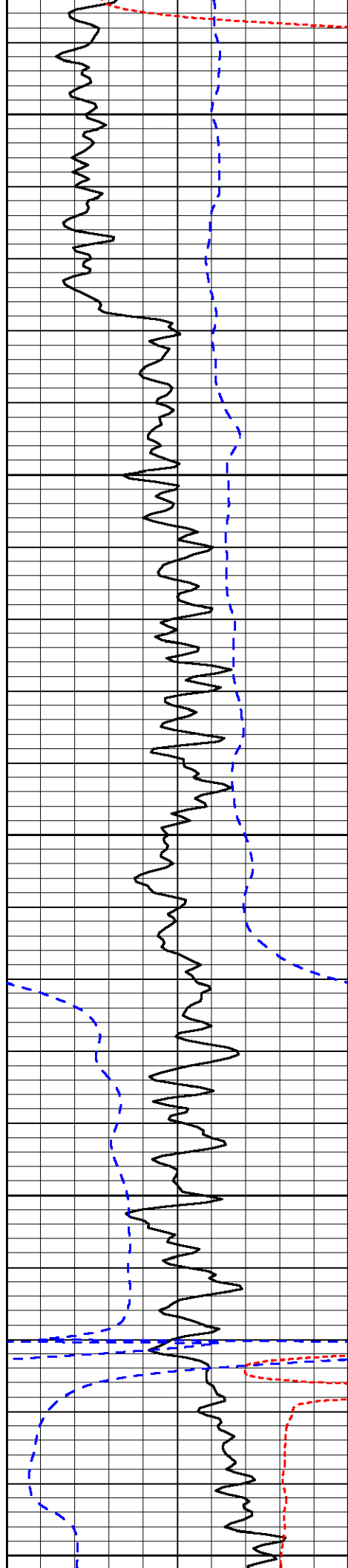












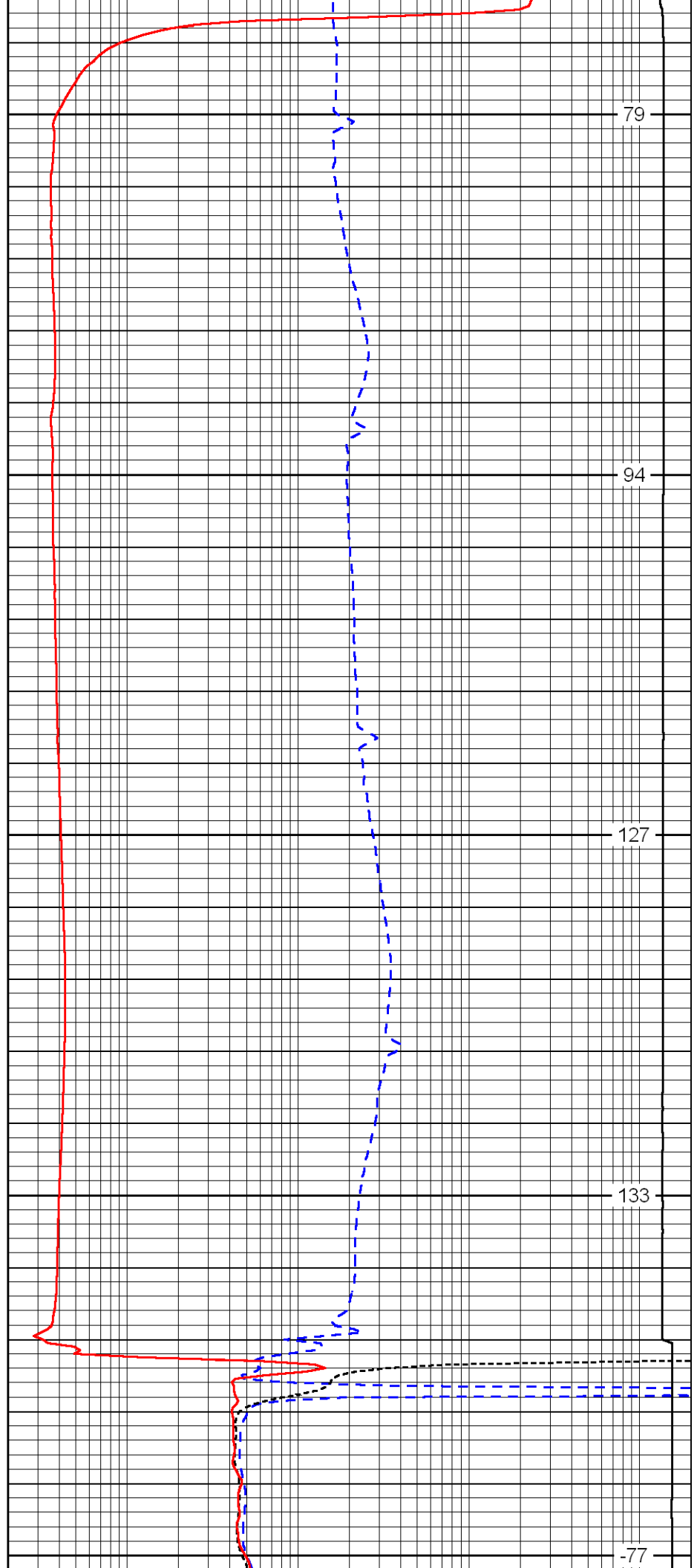
50

100

150

200

250



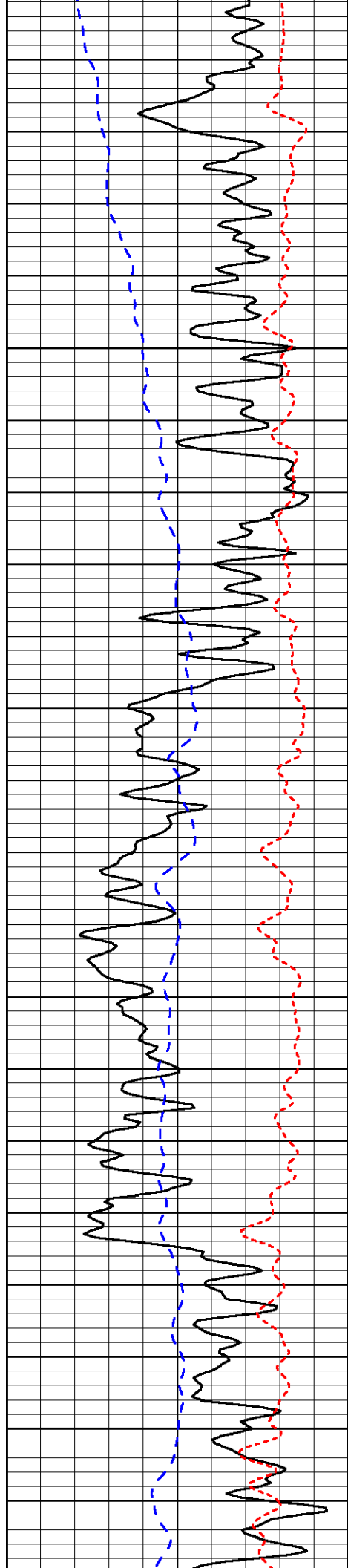
79

94

127

133

-77

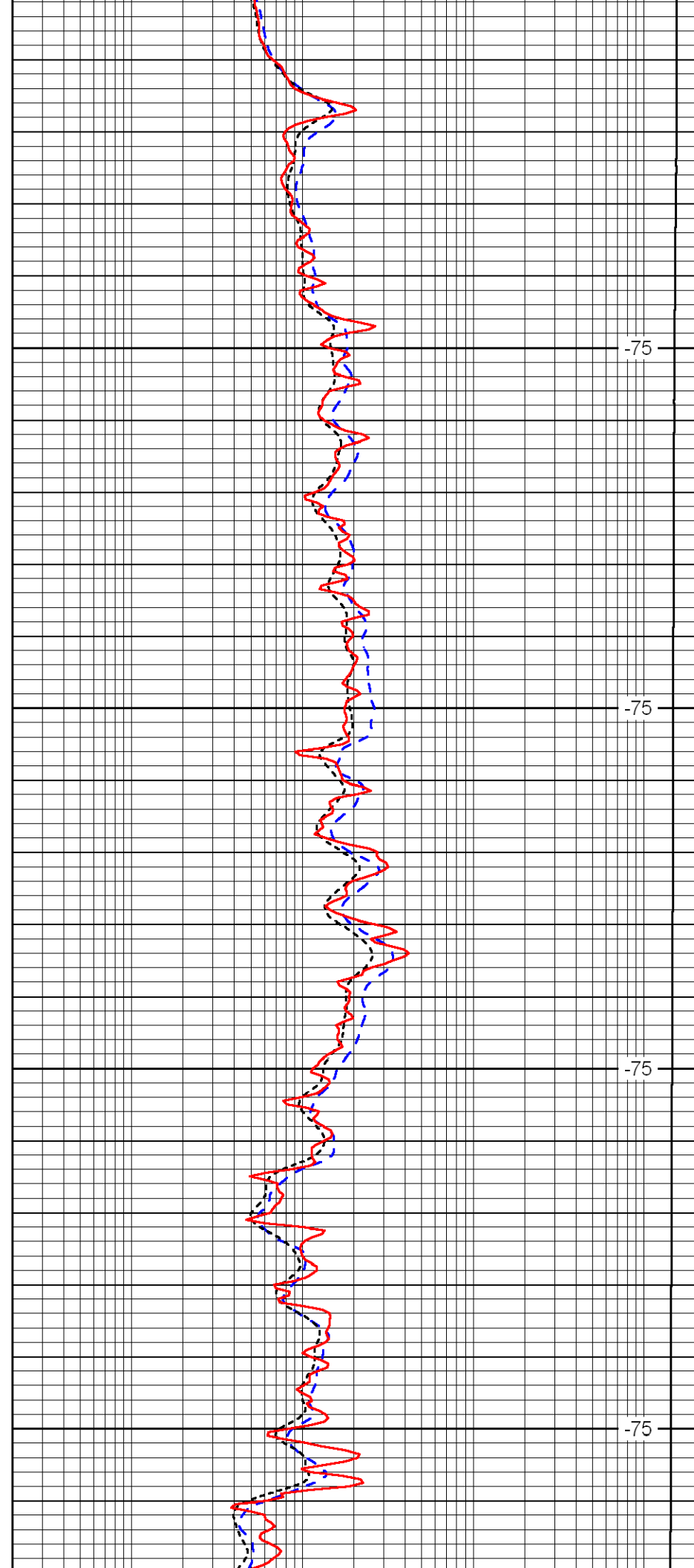


300

350

400

450

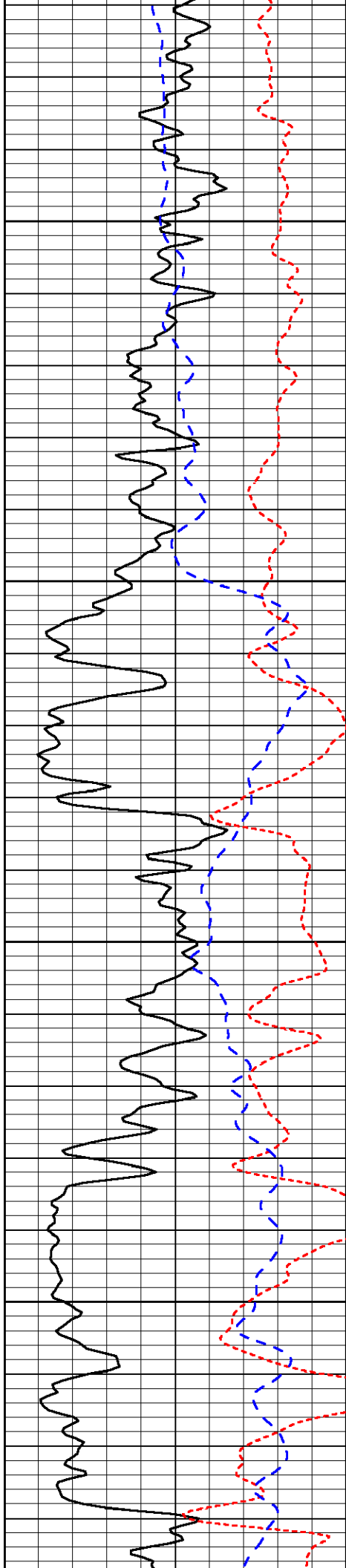


-75

-75

-75

-75

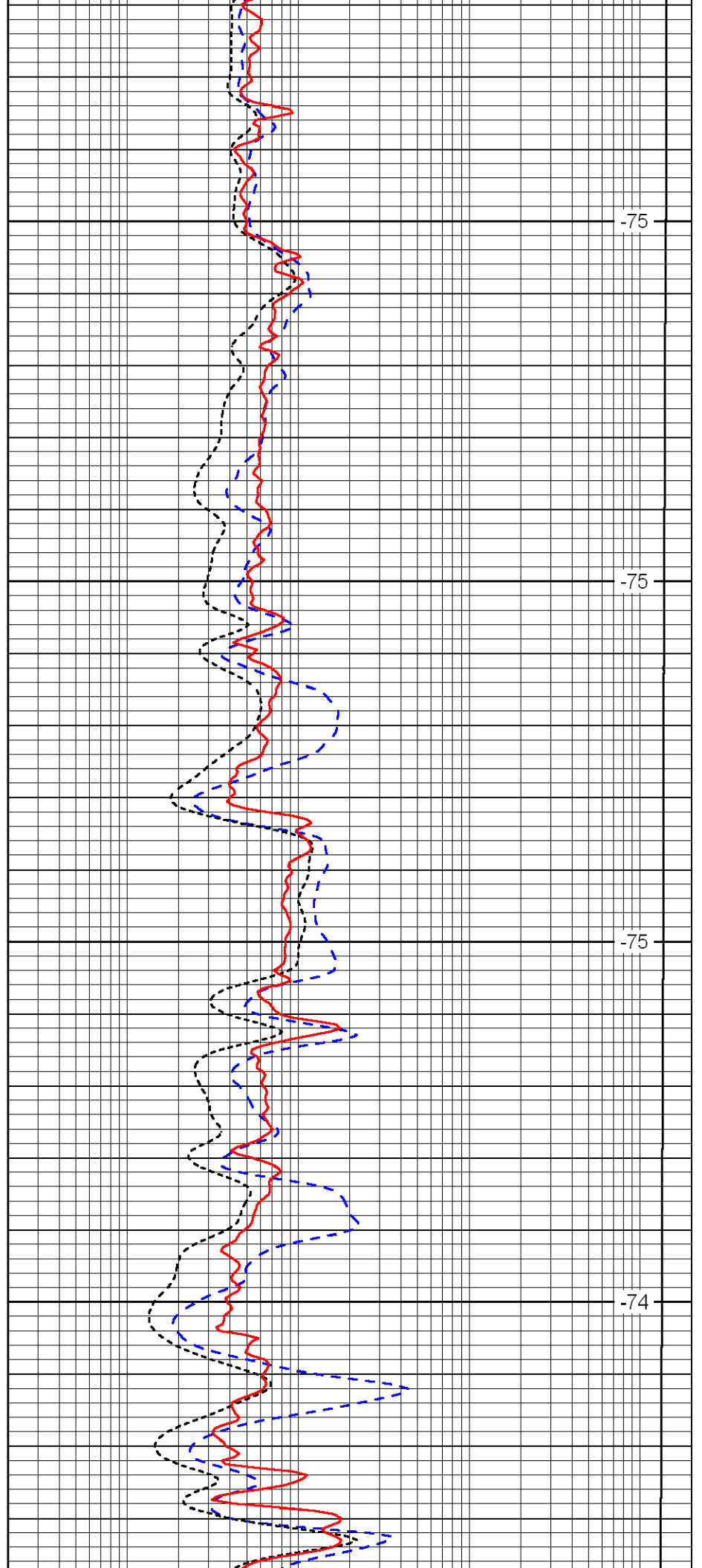


500

550

600

650

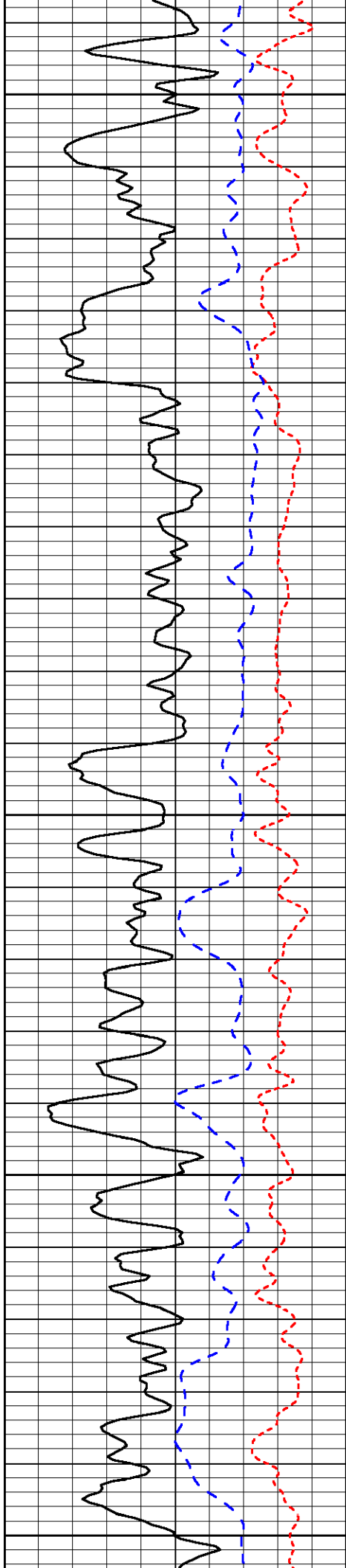


-75

-75

-75

-74



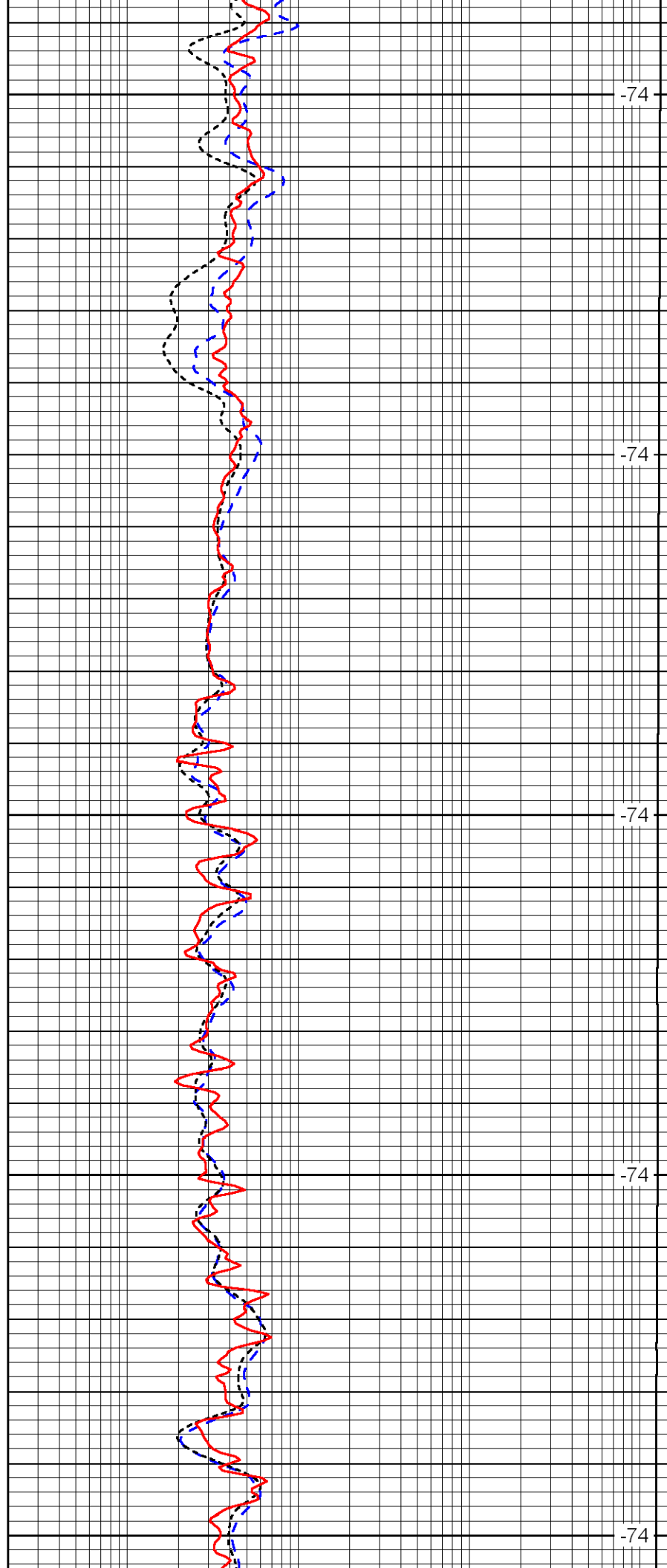
700

750

800

850

900



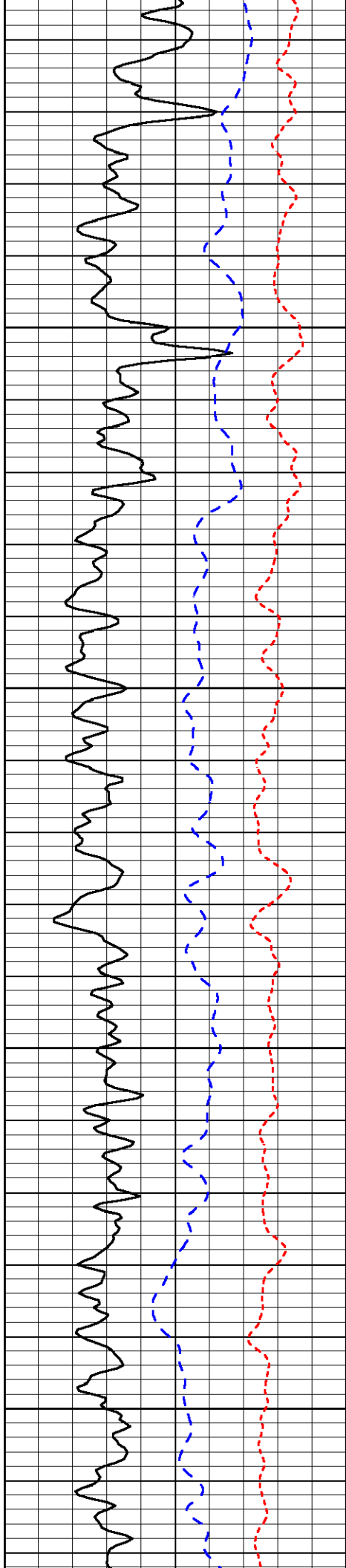
-74

-74

-74

-74

-74

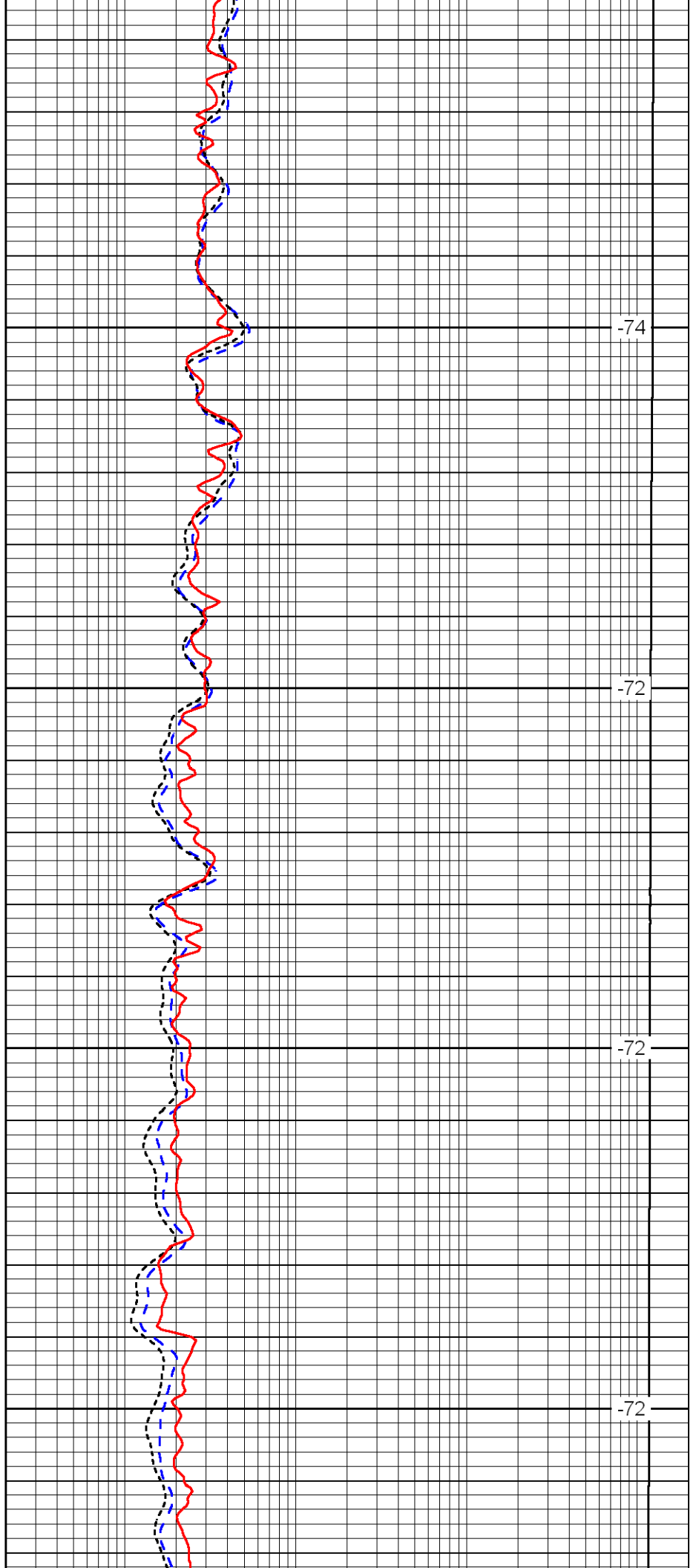


950

1000

1050

1100

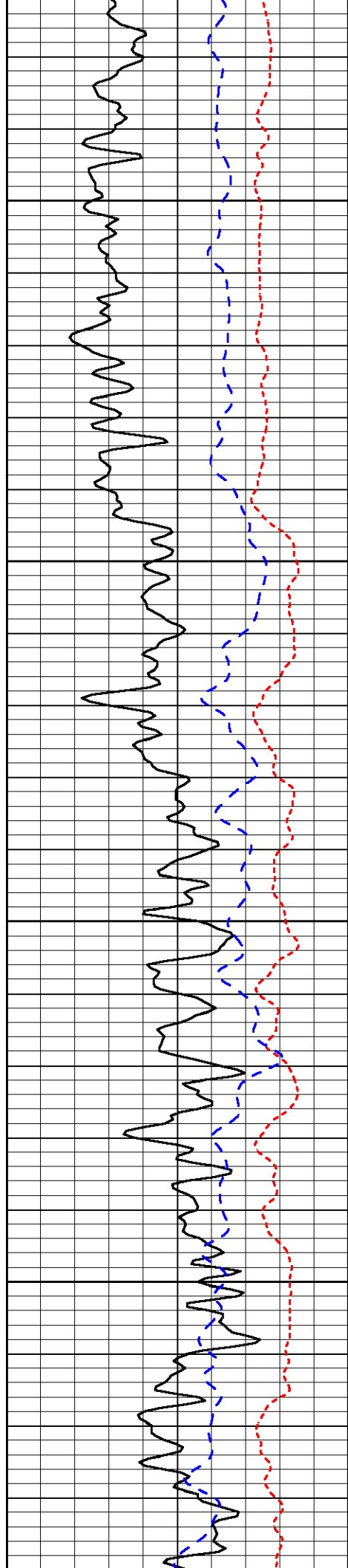


-74

-72

-72

-72

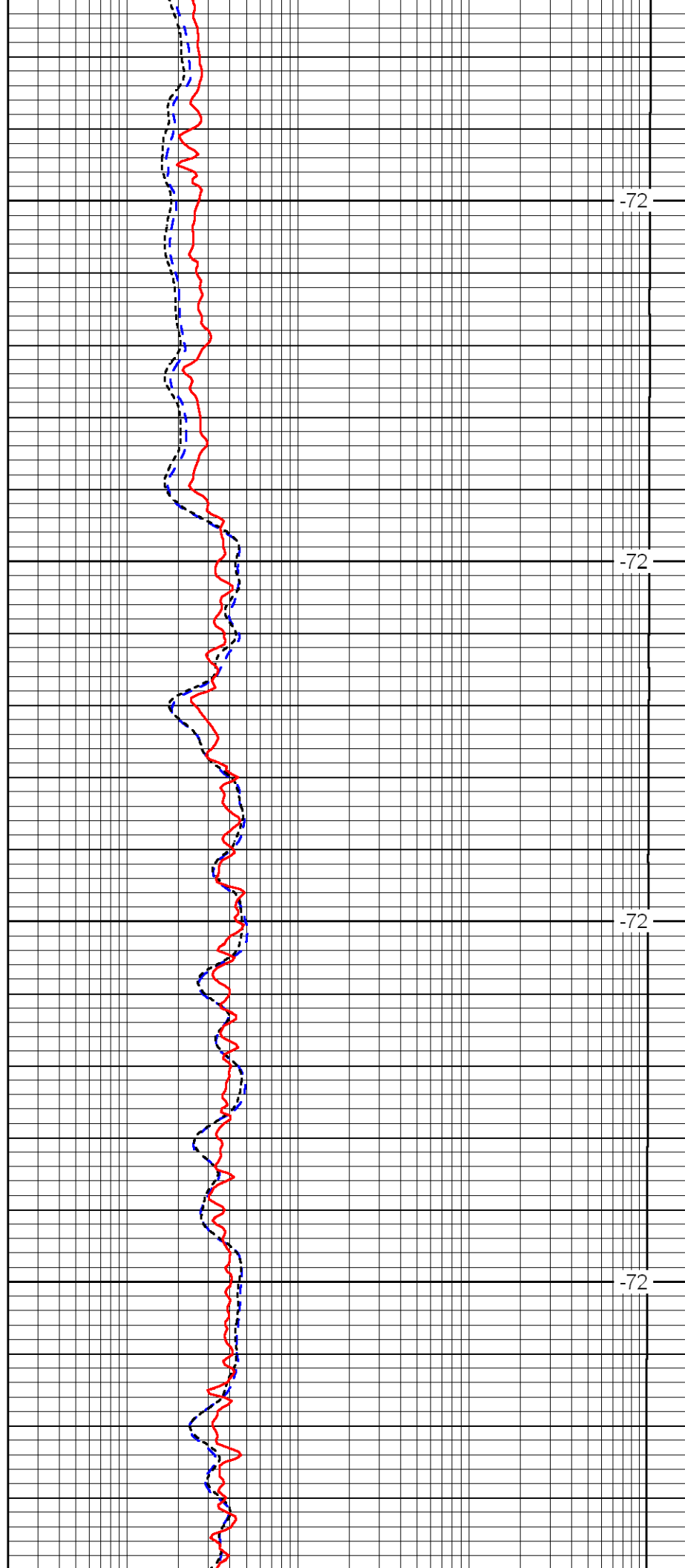


1150

1200

1250

1300

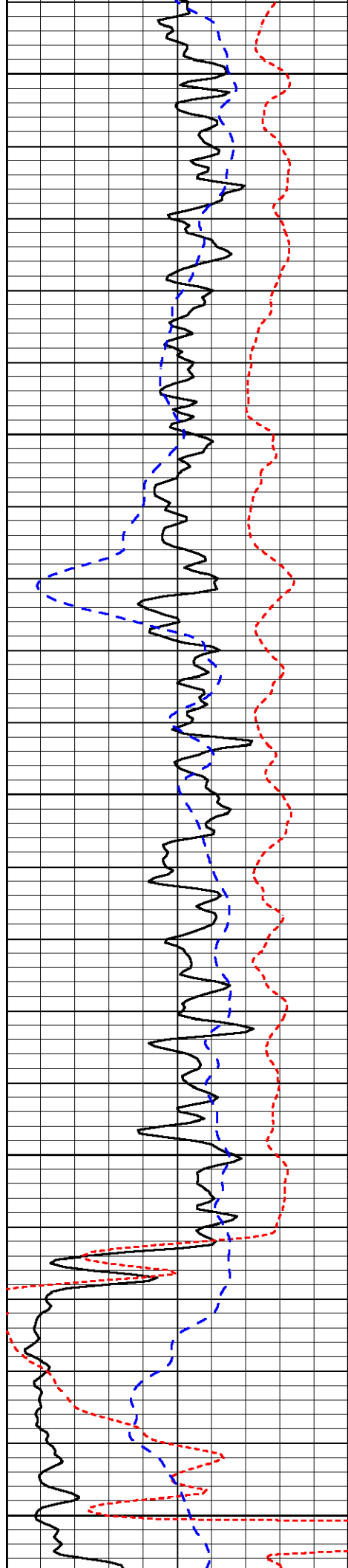


-72

-72

-72

-72



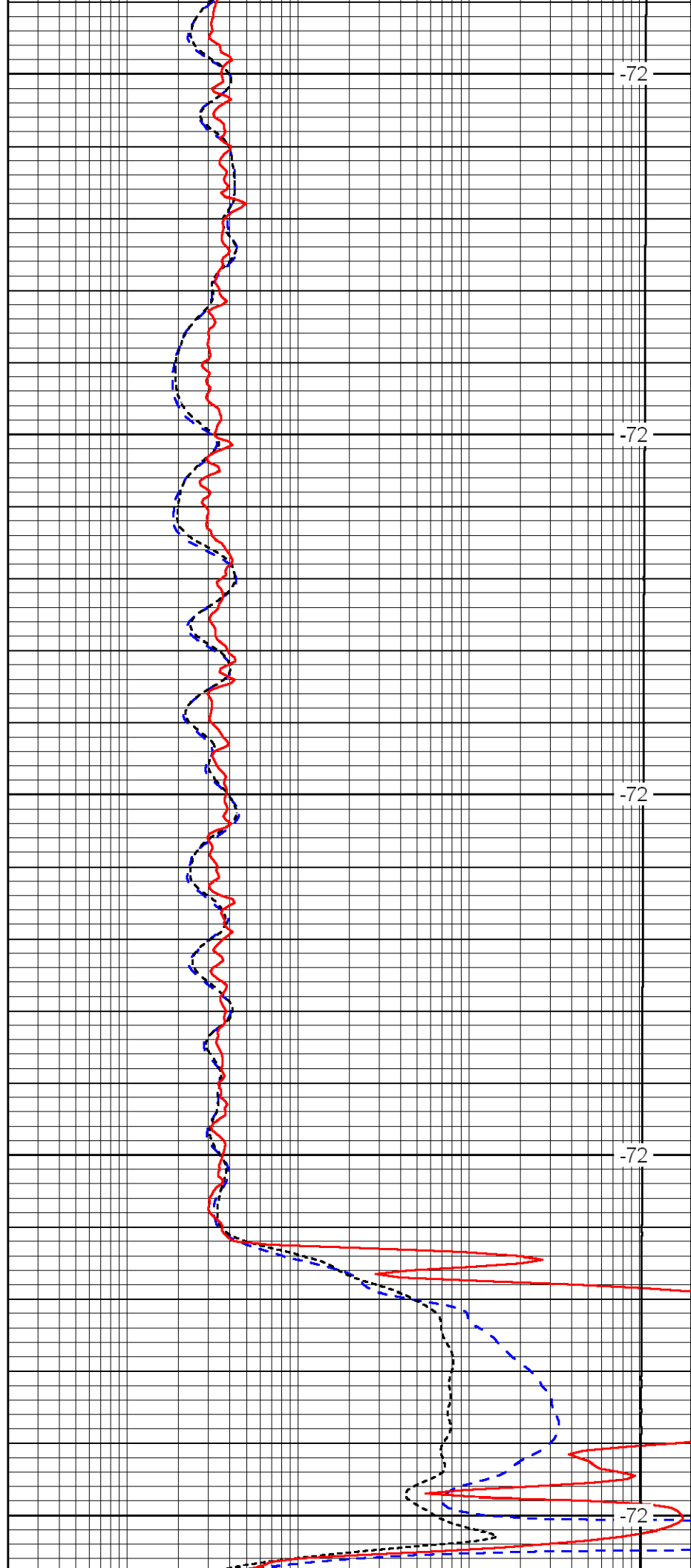
1350

1400

1450

1500

1550



-72

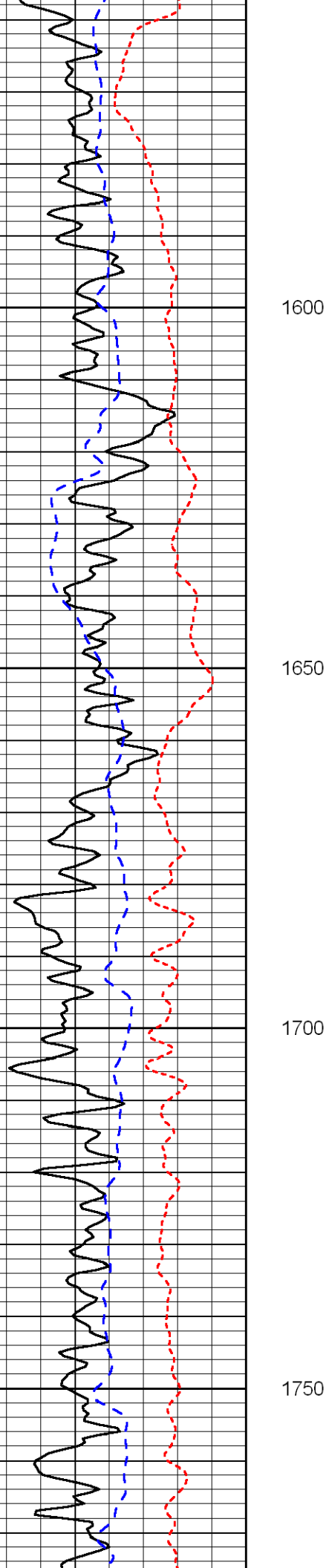
-72

-72

-72

-72



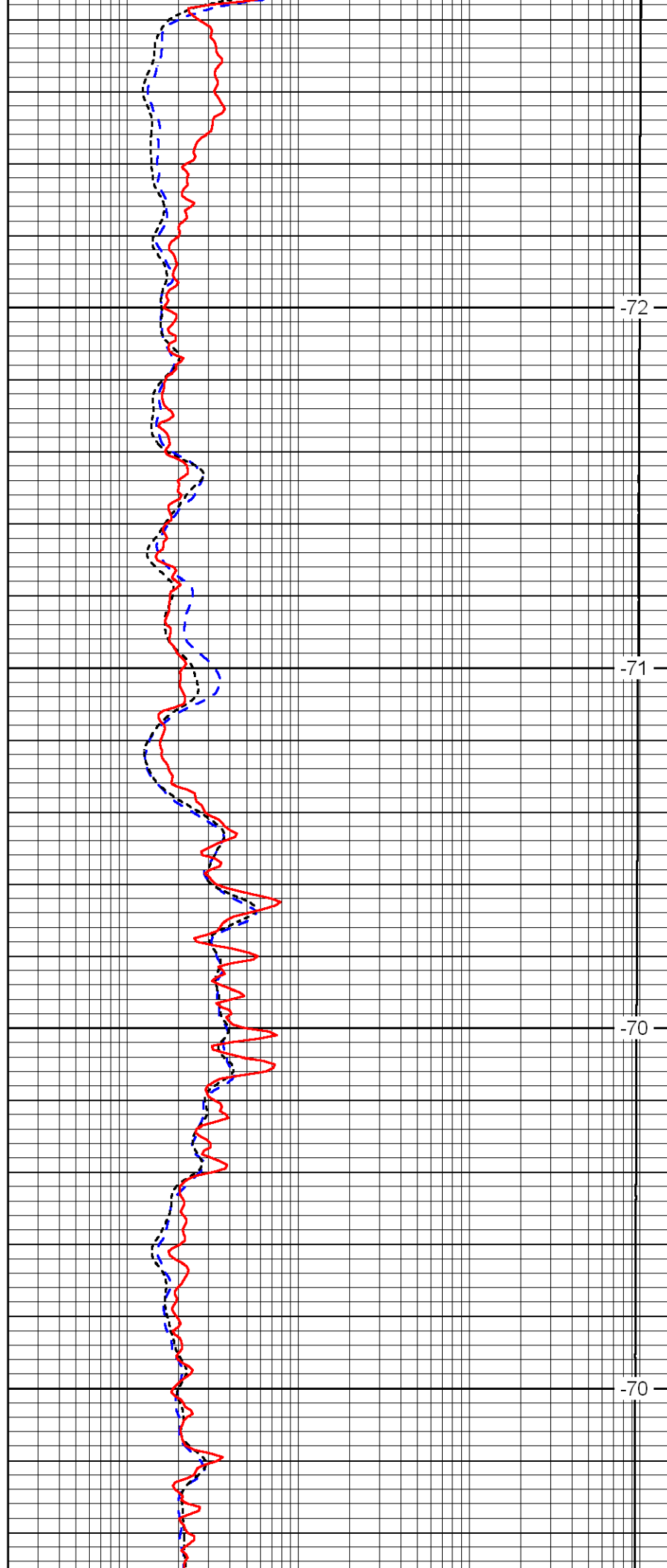


1600

1650

1700

1750

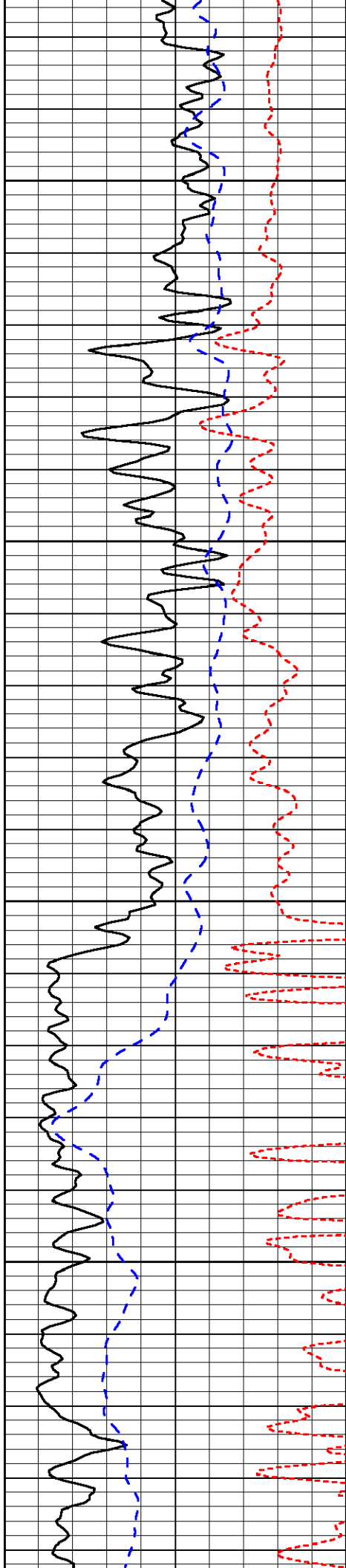


-72

-71

-70

-70

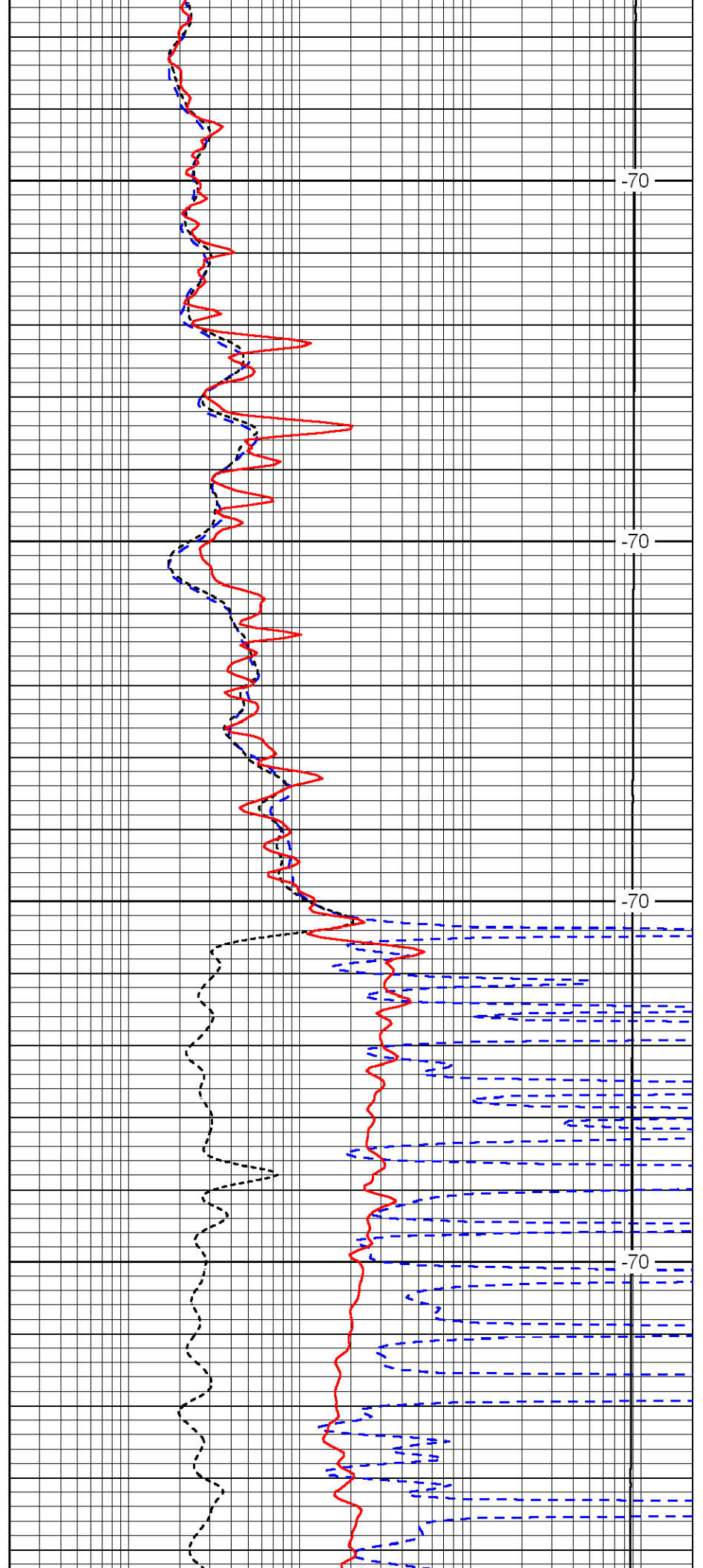


1800

1850

1900

1950

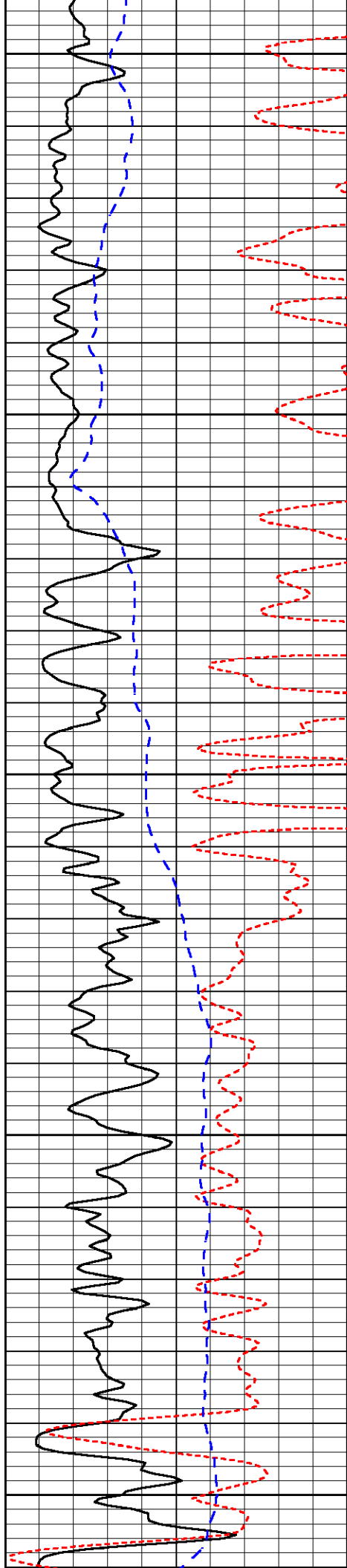


-70

-70

-70

-70



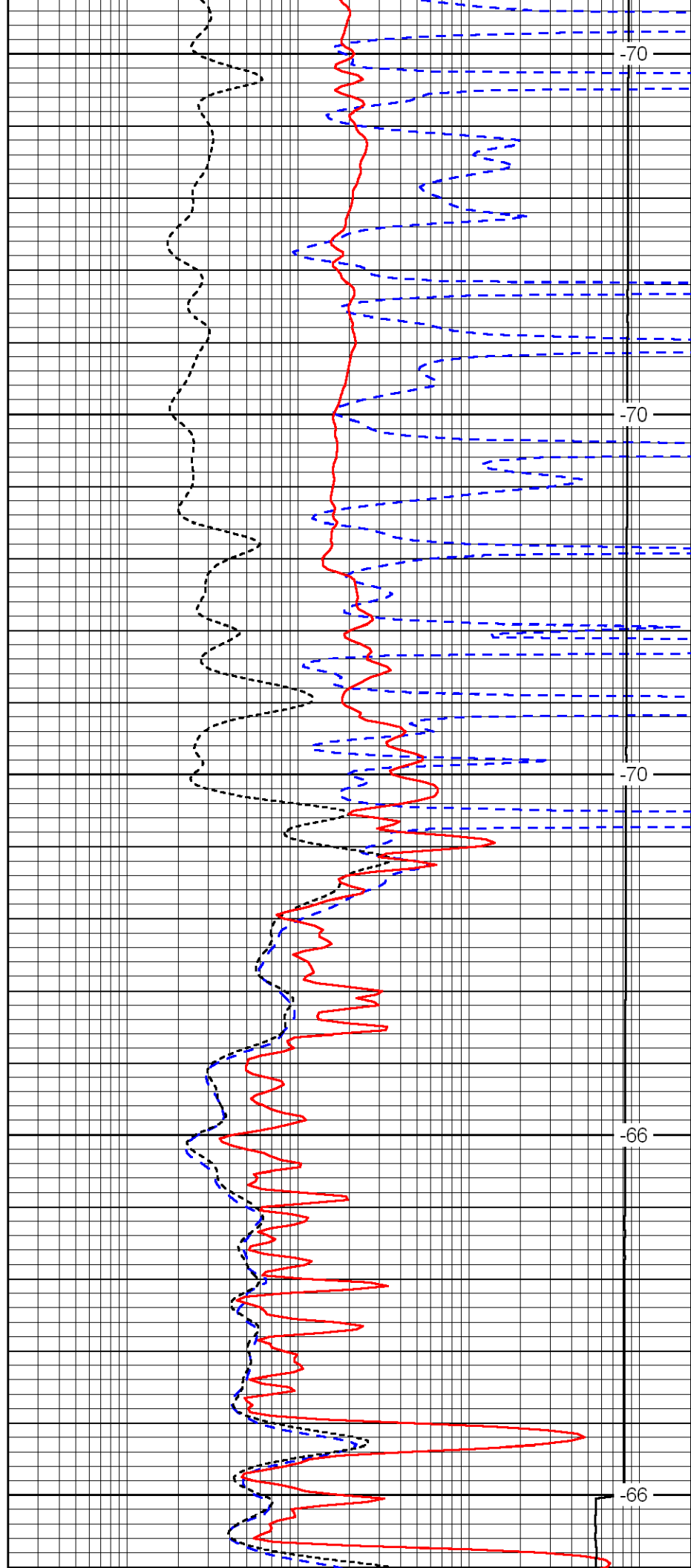
2000

2050

2100

2150

2200



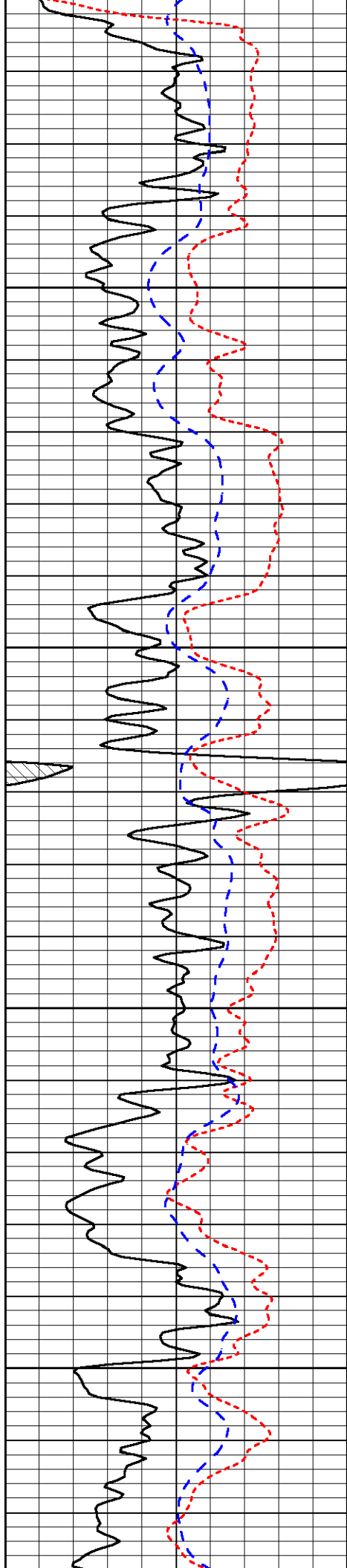
-70

-70

-70

-66

-66

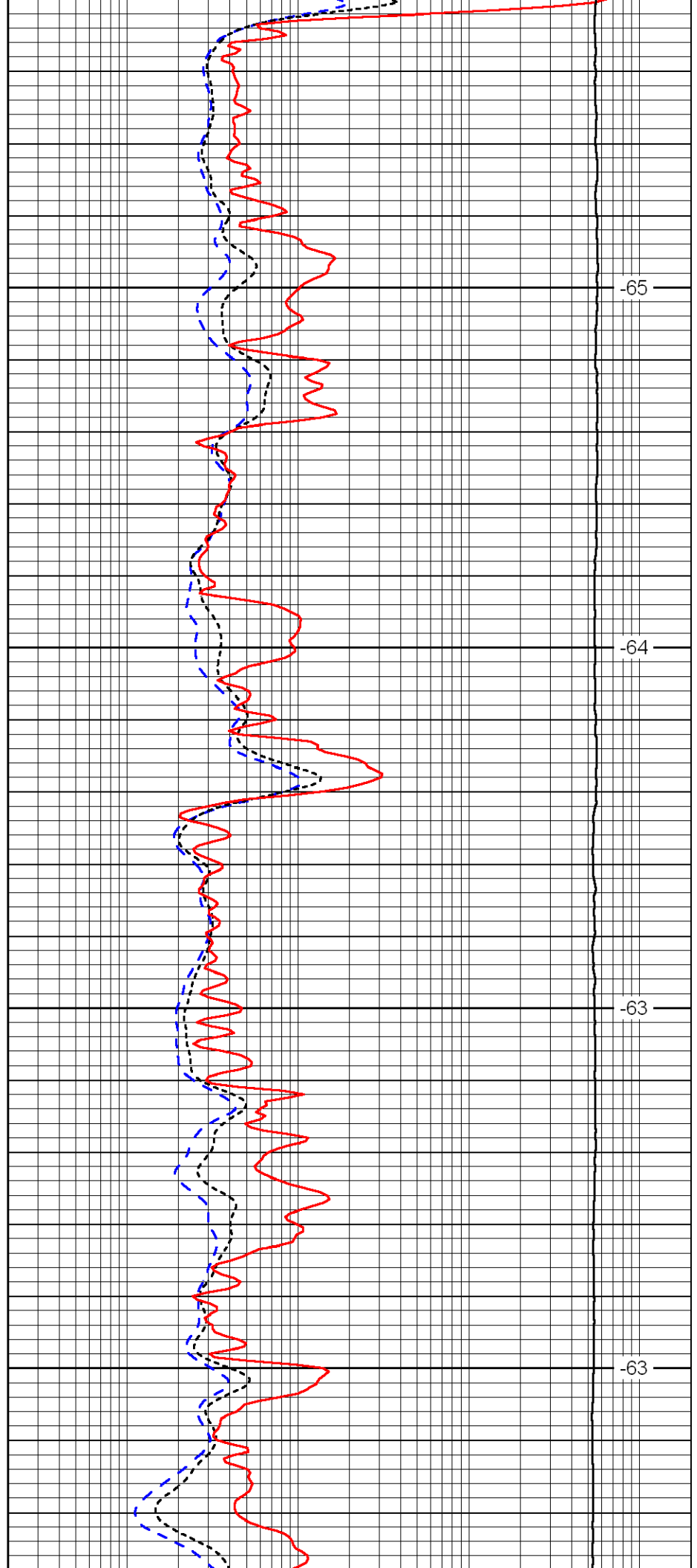


2250

2300

2350

2400

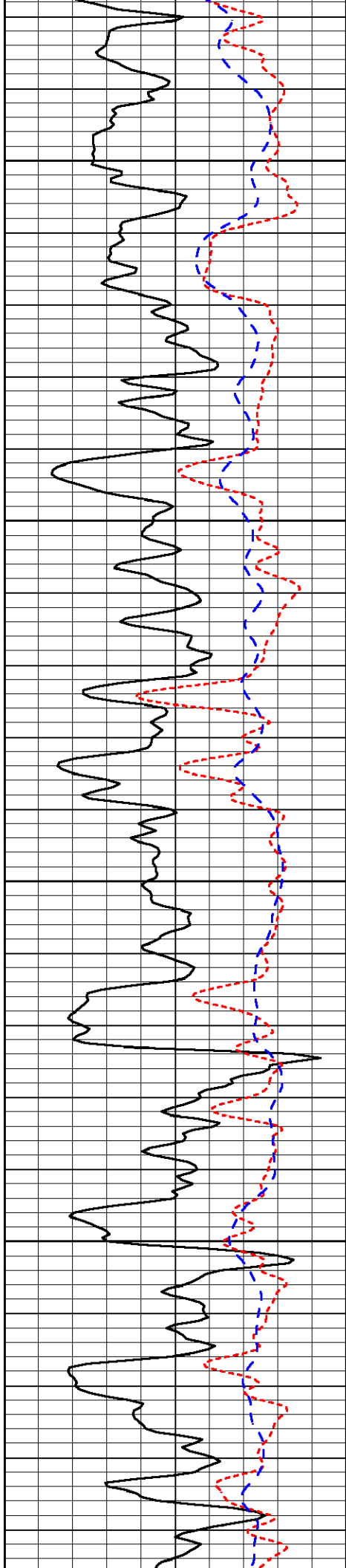


-65

-64

-63

-62

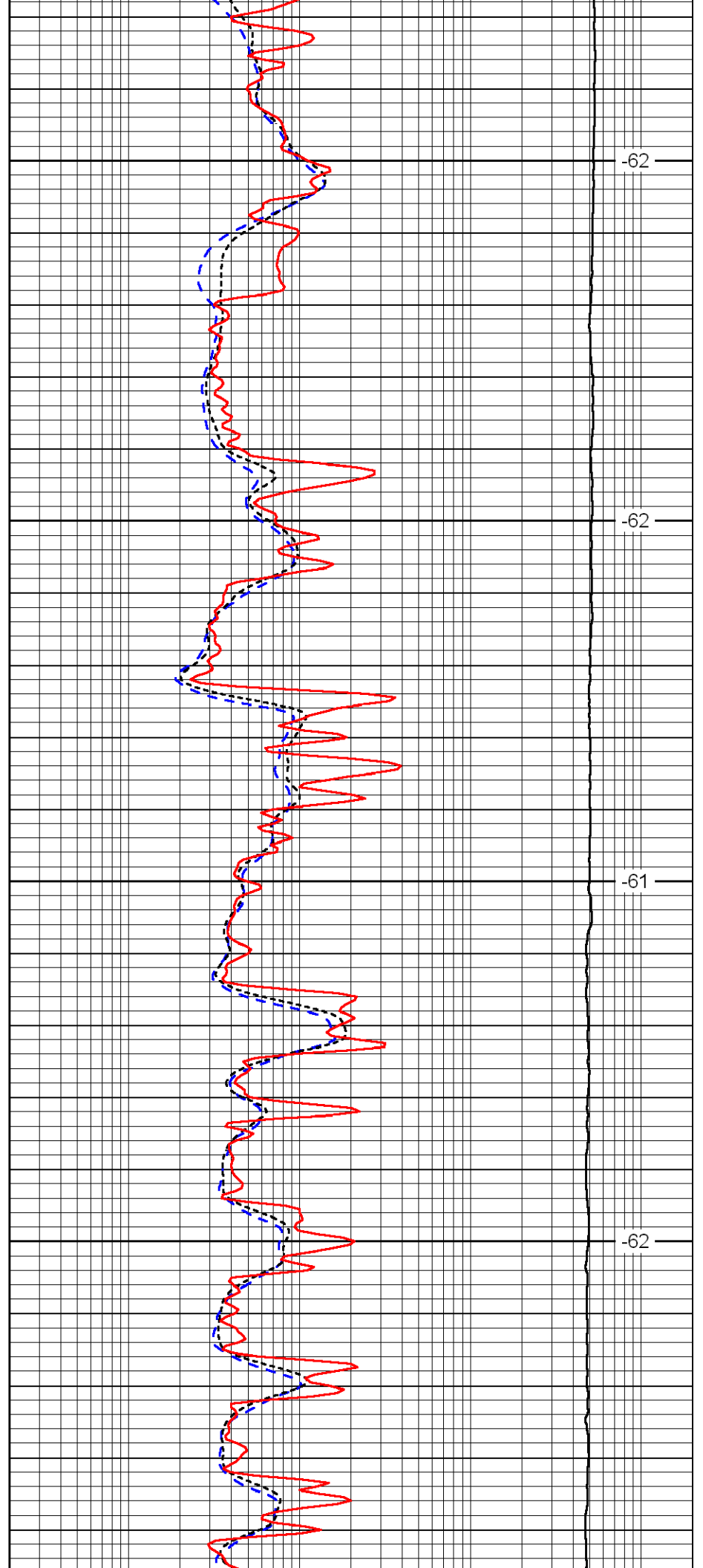


2450

2500

2550

2600

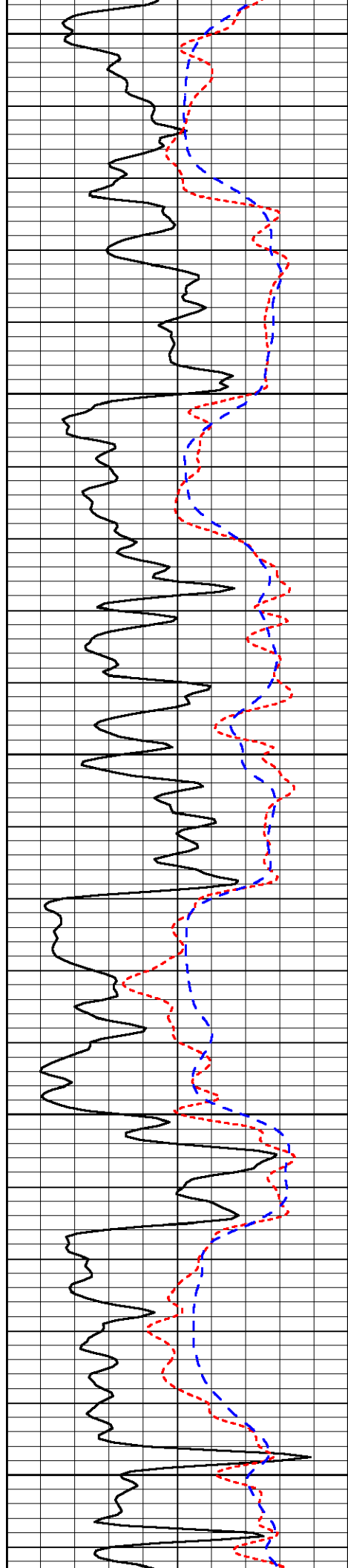


-62

-62

-61

-62



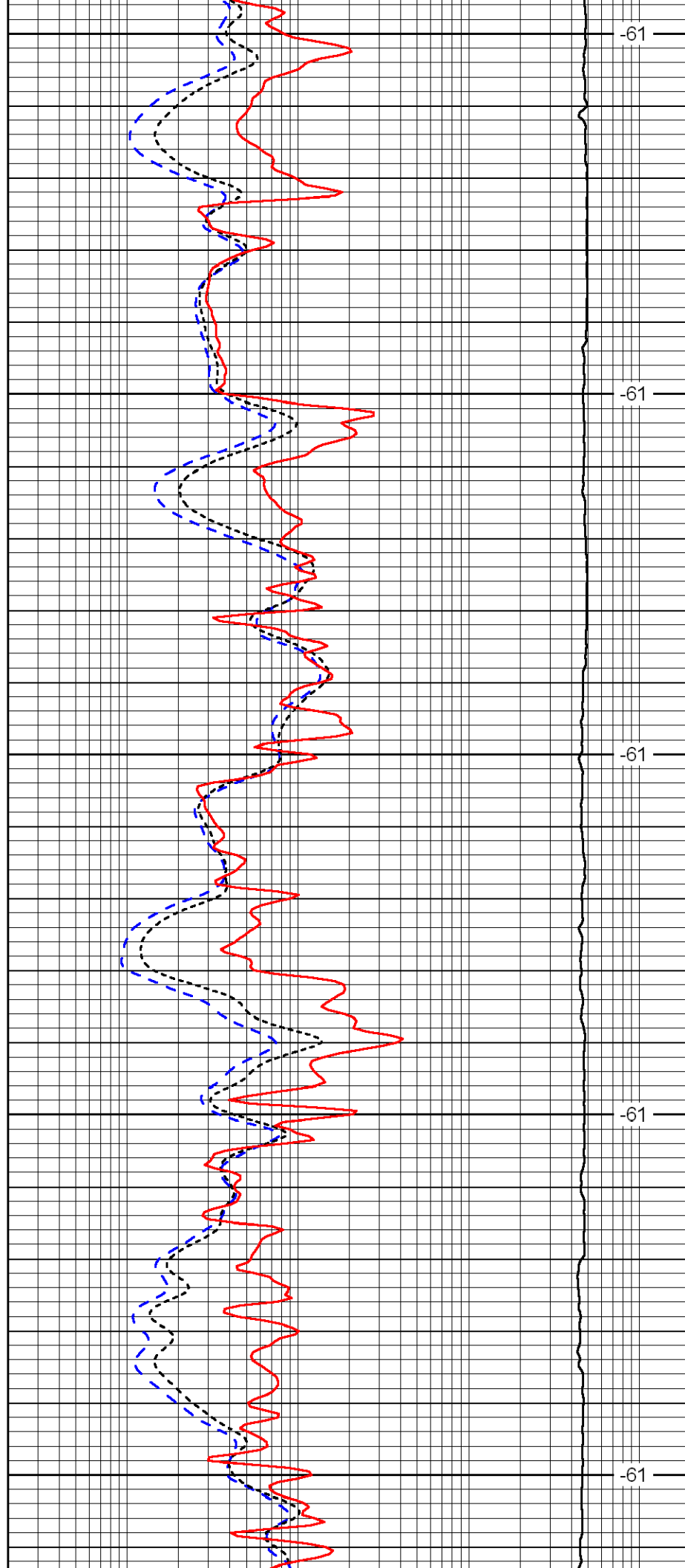
2650

2700

2750

2800

2850



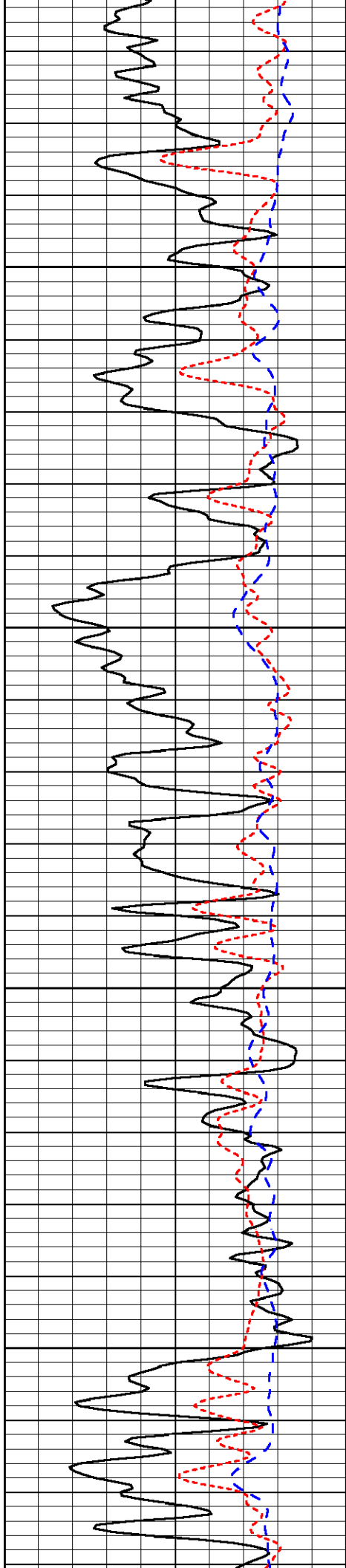
-61

-61

-61

-61

-61

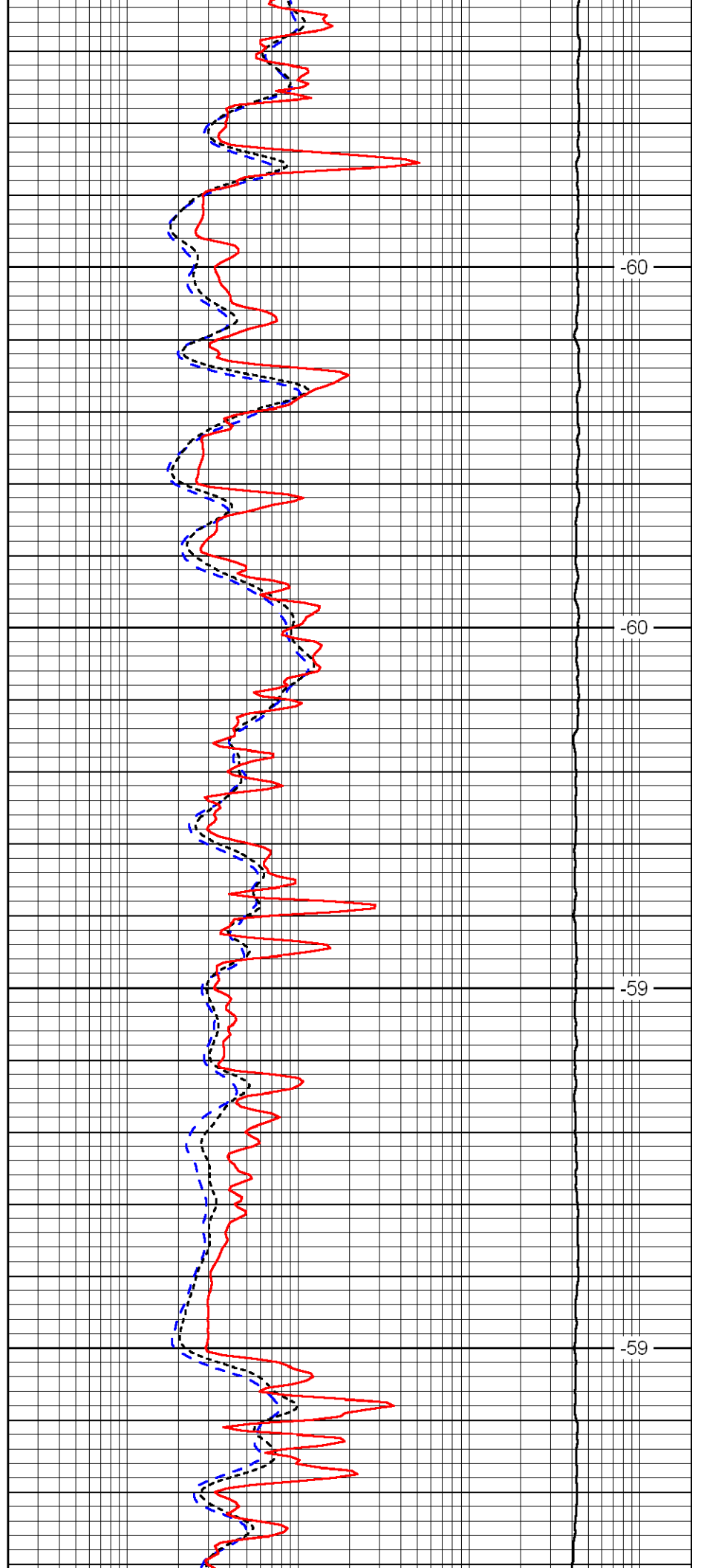


2900

2950

3000

3050

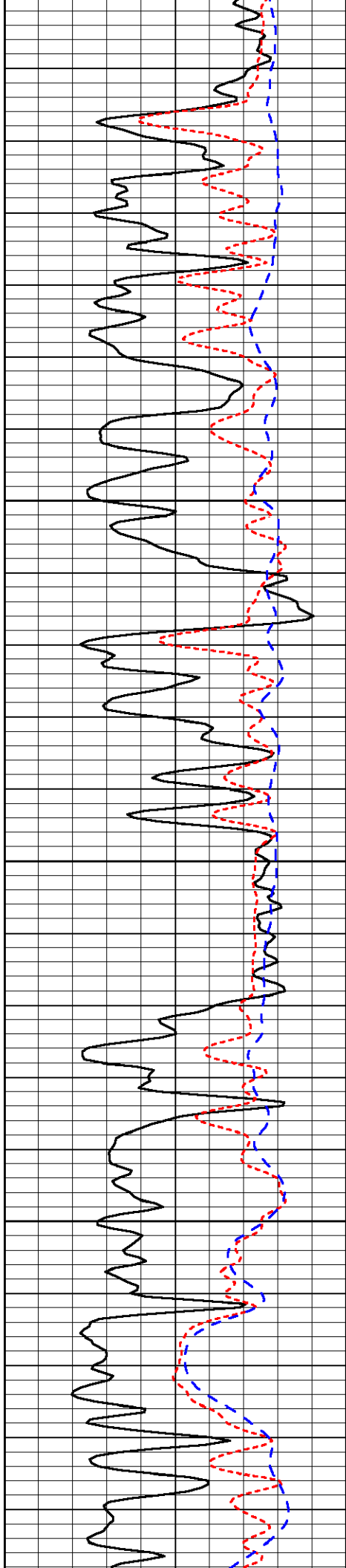


-60

-60

-59

-59

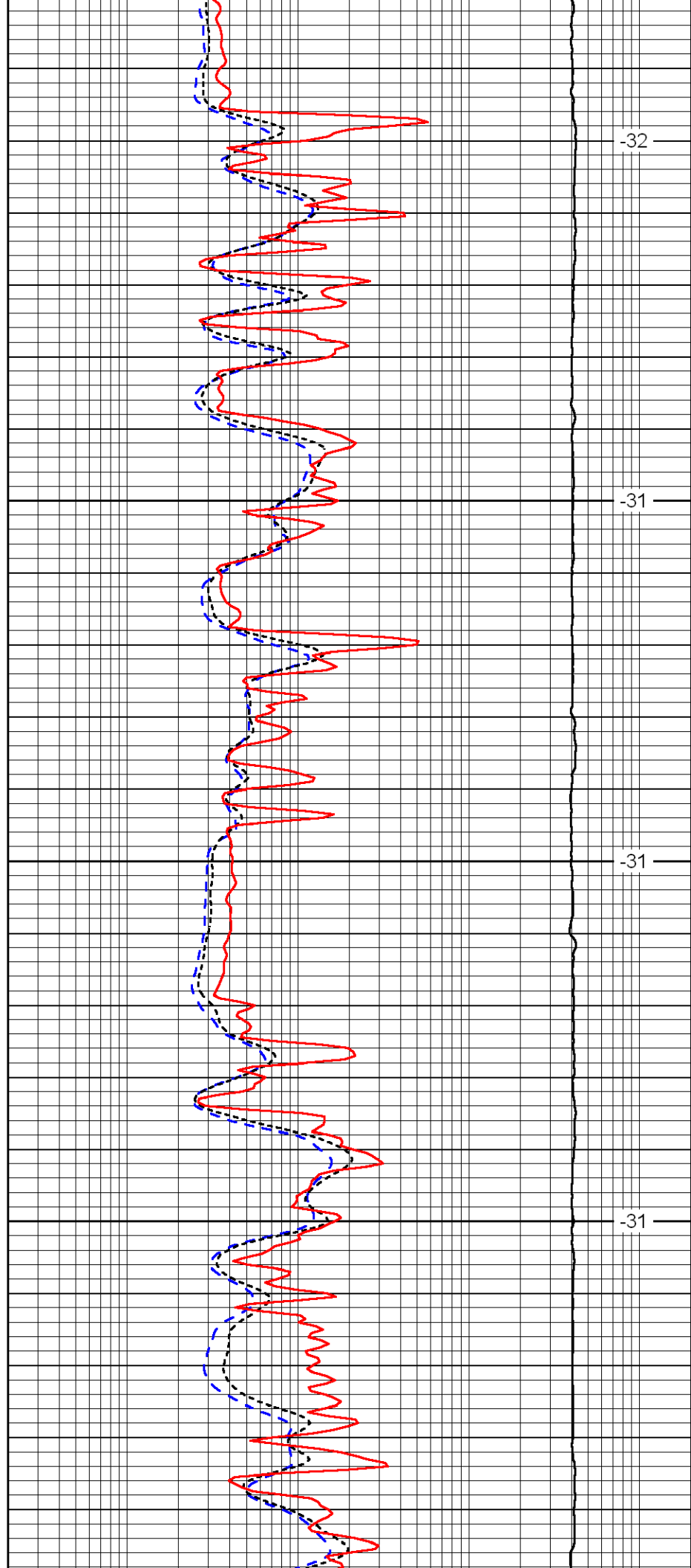


3100

3150

2000

3250



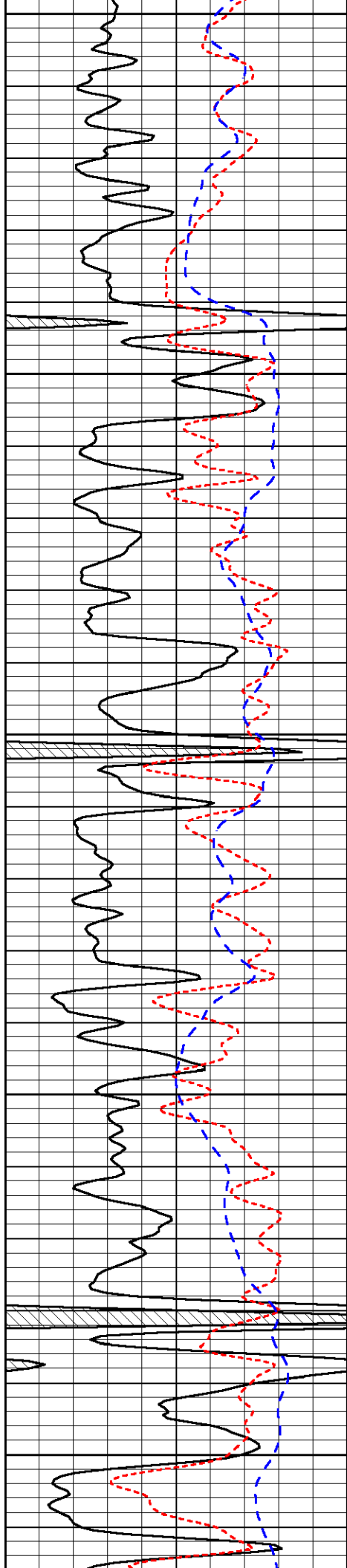
-32

-31

-31

-31





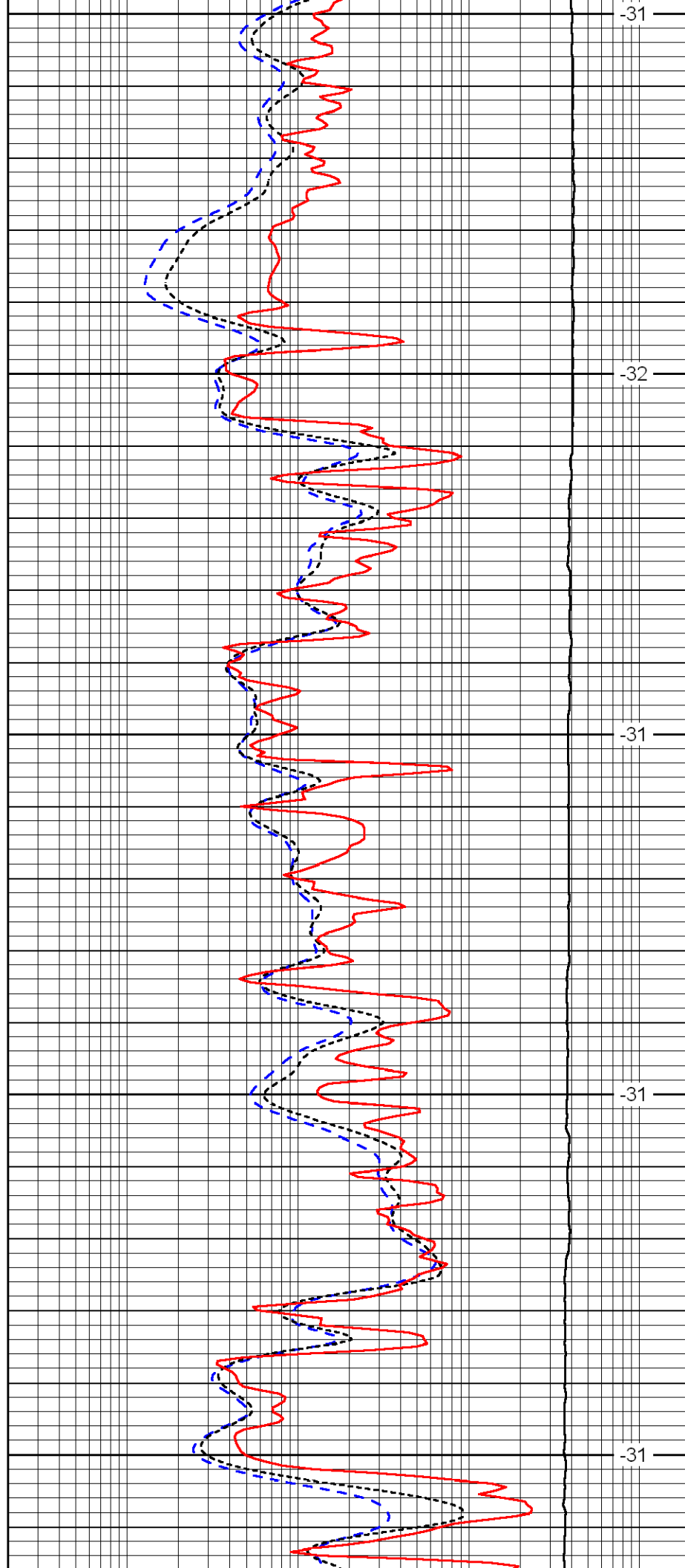
3300

3350

3400

3450

3500



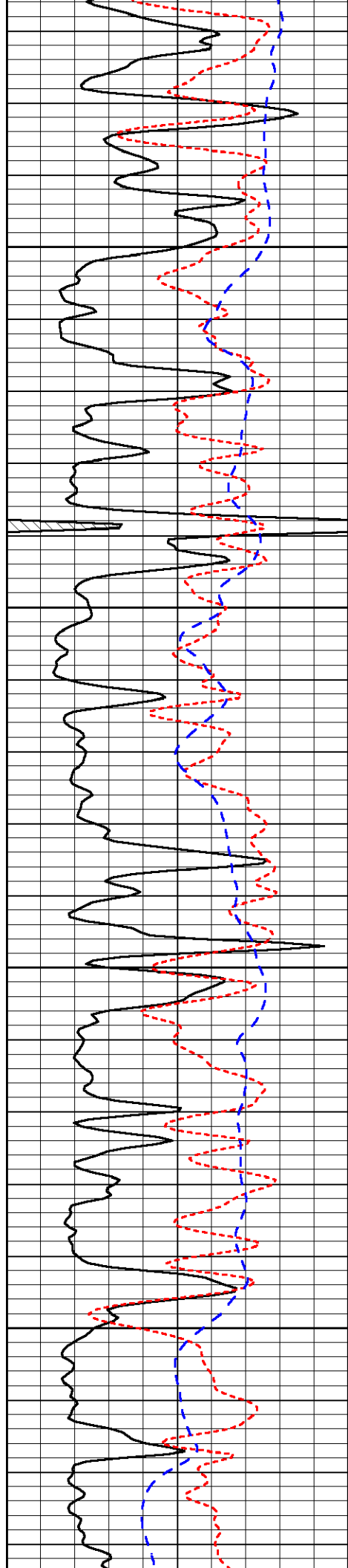
-31

-32

-31

-31

-31

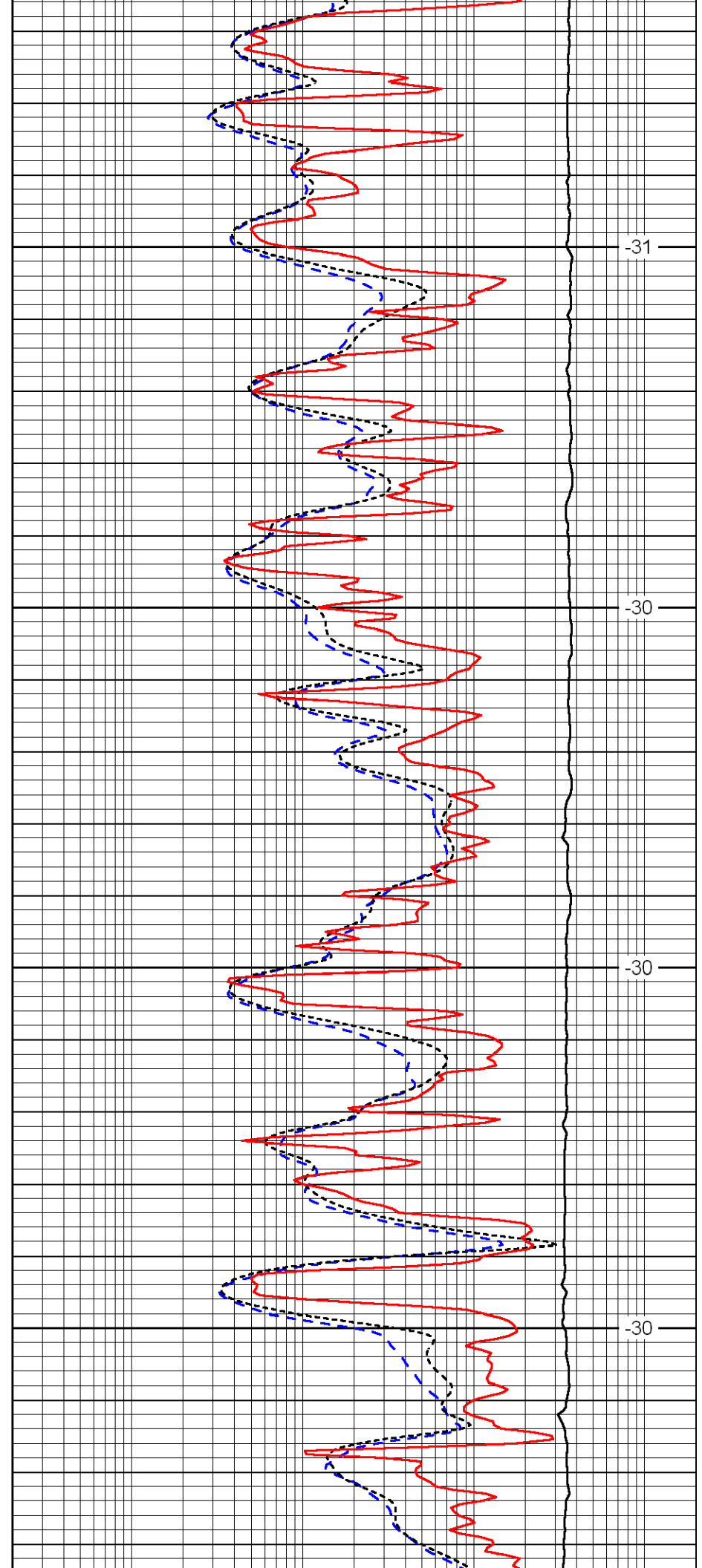


3550

3600

3650

3700

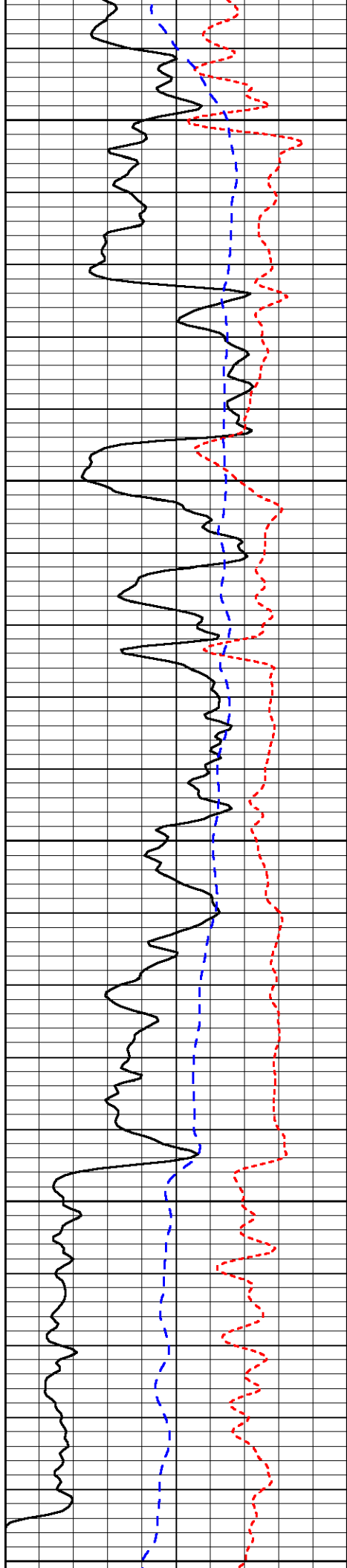


-31

-30

-30

-30



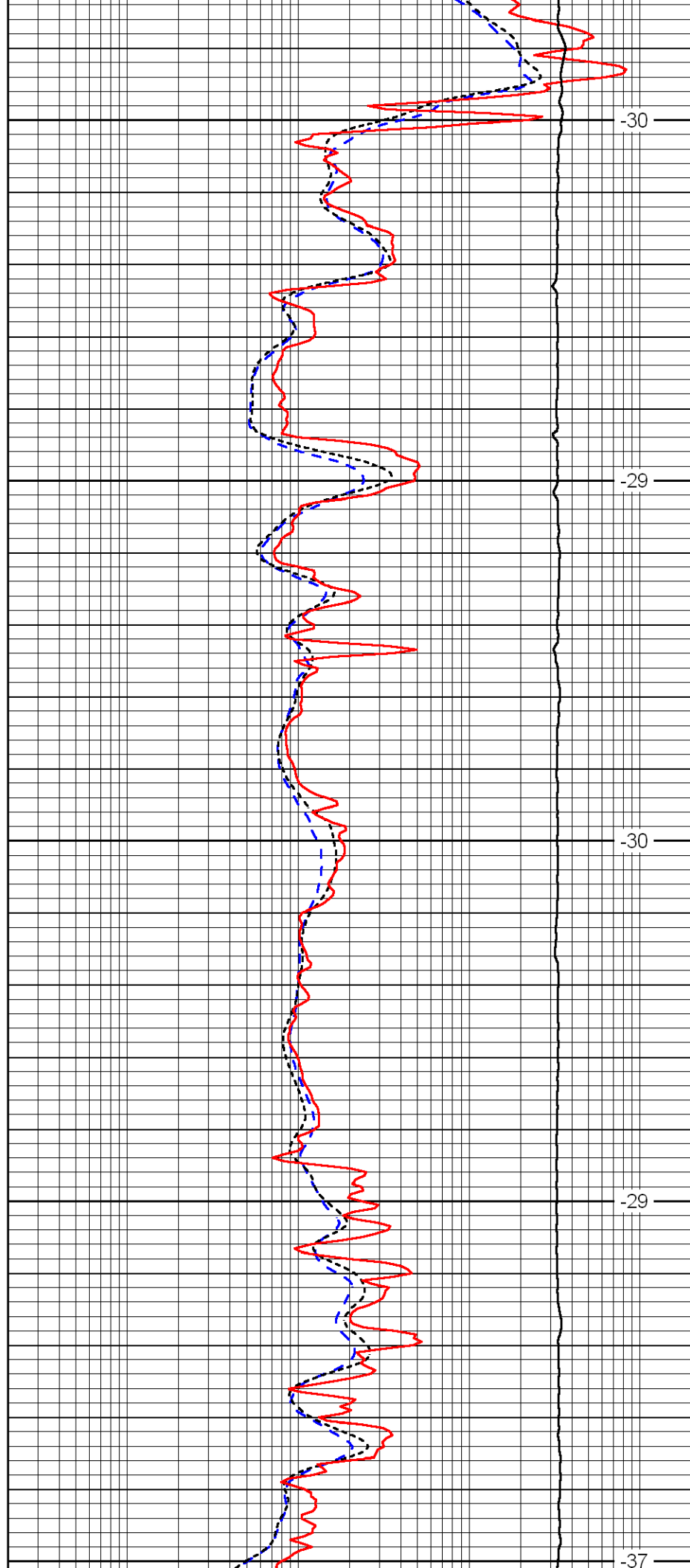
3750

3800

3850

3900

3950



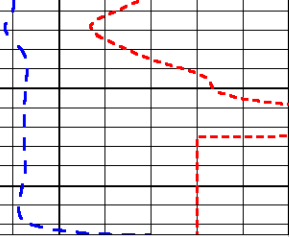
-30

-29

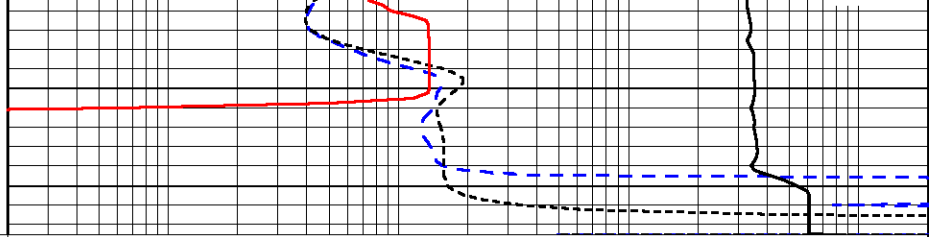
-30

-29

-37



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



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

LSPD