



Dual Induction Log

Pioneer Energy Services

API No.	Company American Warrior, Inc.				
	Well Handy #8-29				
	Field				
	County	Seward	State	Kansas	
15-175-22,219-00-00	Location	2,192' FSL & 1,505' FWL			Other Services CNL/CDL MEL
	Sec: 29	Twp: 34S	Rge: 31W	Elevation K.B. 2741 D.F. 2728 G.L. 2728	
Permanent Datum	Ground Level	Elevation 2728			
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum			
Drilling Measured From	Kelly Bushing				
Date	6/28/2014				
Run Number	One				
Depth Driller	6500				
Depth Logger	6501				
Bottom Logged Interval	6500				
Top Log Interval	1700				
Casing Driller	8.625 @ 1705				
Casing Logger	1699				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	5000				
Density / Viscosity	9.4	50			
pH / Fluid Loss	9.0	9.2			
Source of Sample	Flowline				
Rm @ Meas. Temp	.68 @ 80				
Rmf @ Meas. Temp	.51 @ 80				
Rmc @ Meas. Temp	.92 @ 80				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.39 @ 141				
Operating Rig Time	5 Hours				
Max Rec. Temp. F	141				
Equipment Number	108				
Location	Hays				
Recorded By	J. Long				
Witnessed By	Wyatt Urban				

<<< 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 Pioneer Energy Services
www.pioneerres.com
785 625 3858

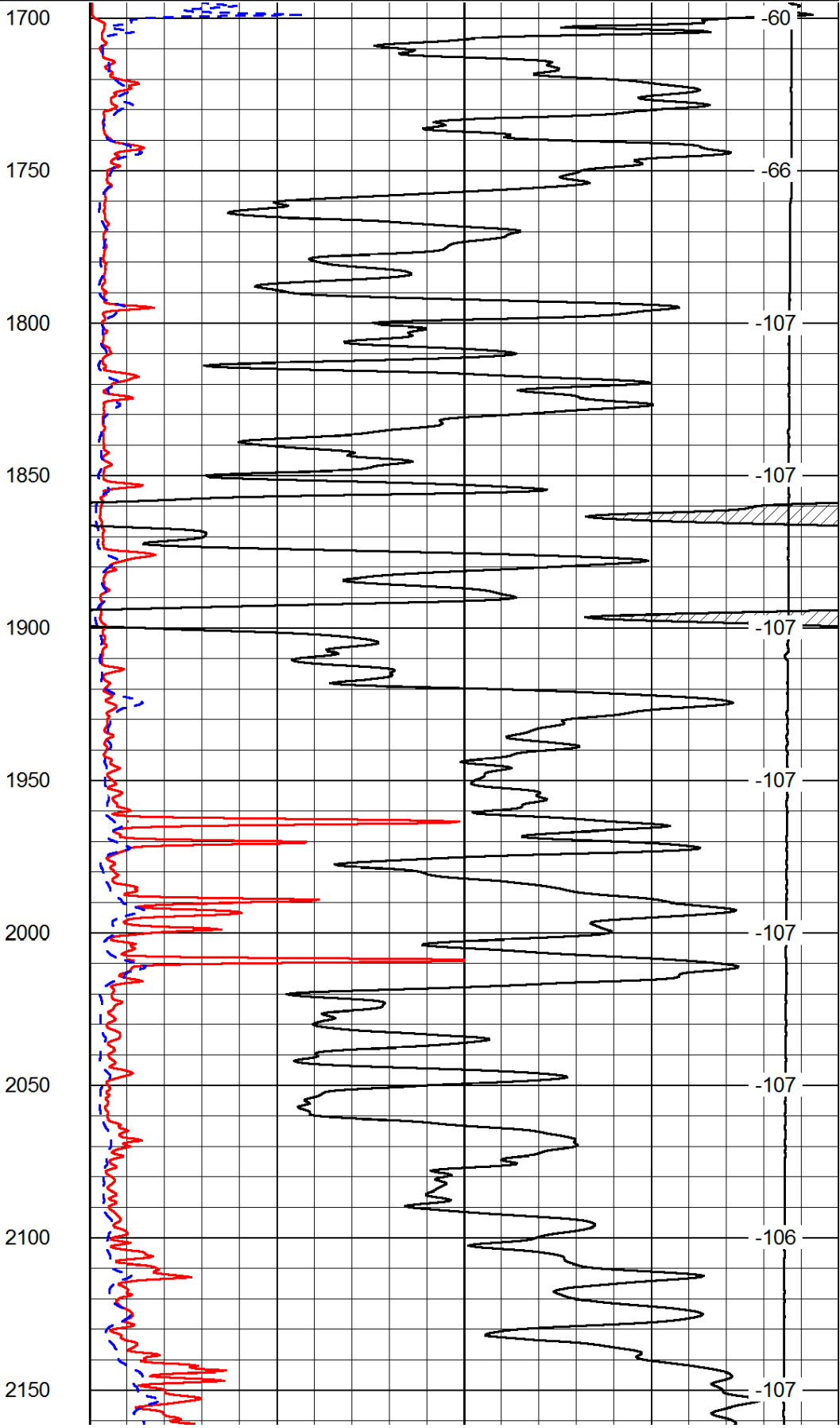
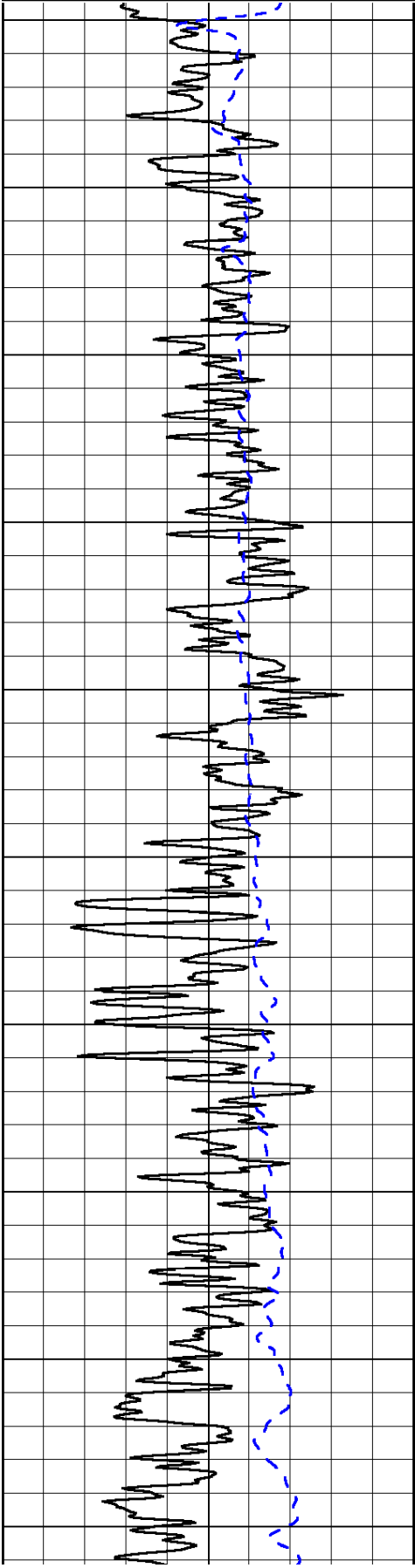
Liberal, 11 East on Bluebell Road (4 Road) to U Road, 1 North, 1/2 West,
1/2 North, West Into

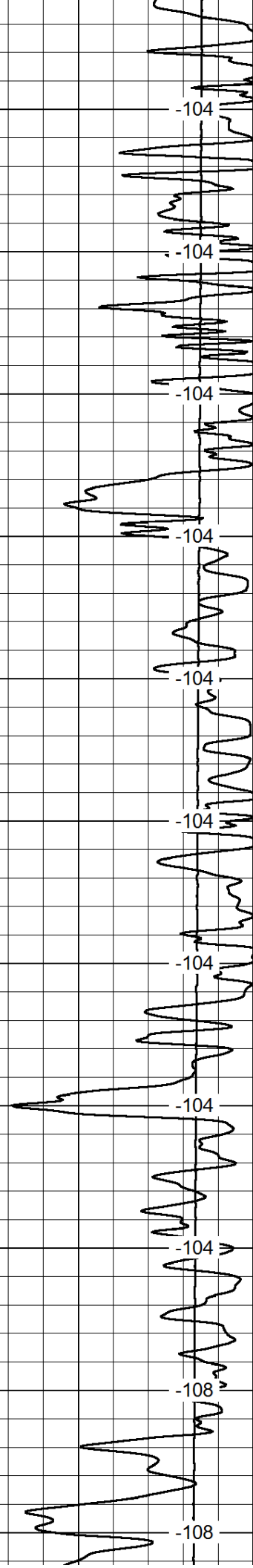
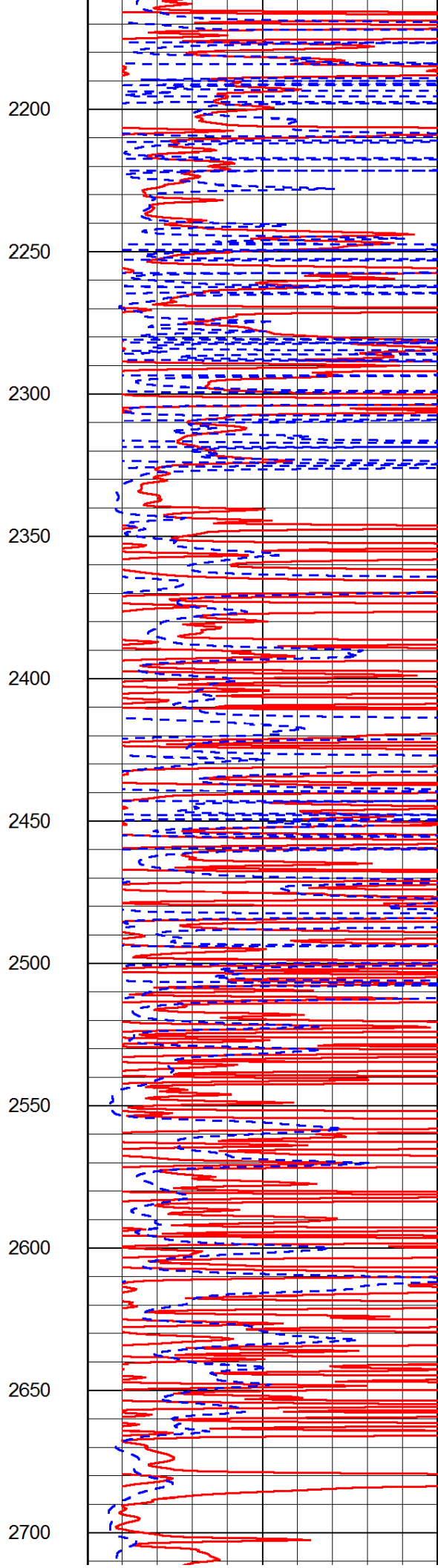
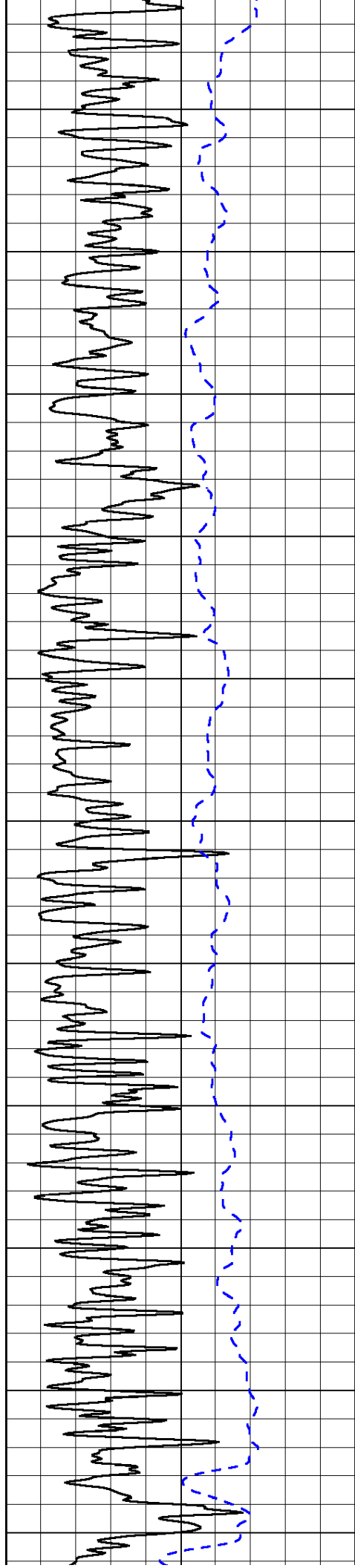
Database File: c:\warrior\data\amwar_handy #8-29\americanwarrior_handy_8-29hd.db
Dataset Pathname: dil\awstck
Presentation Format: dil2in
Dataset Creation: Sat Jun 28 19:41:24 2014
Charted by: Depth in Feet scaled 1:600

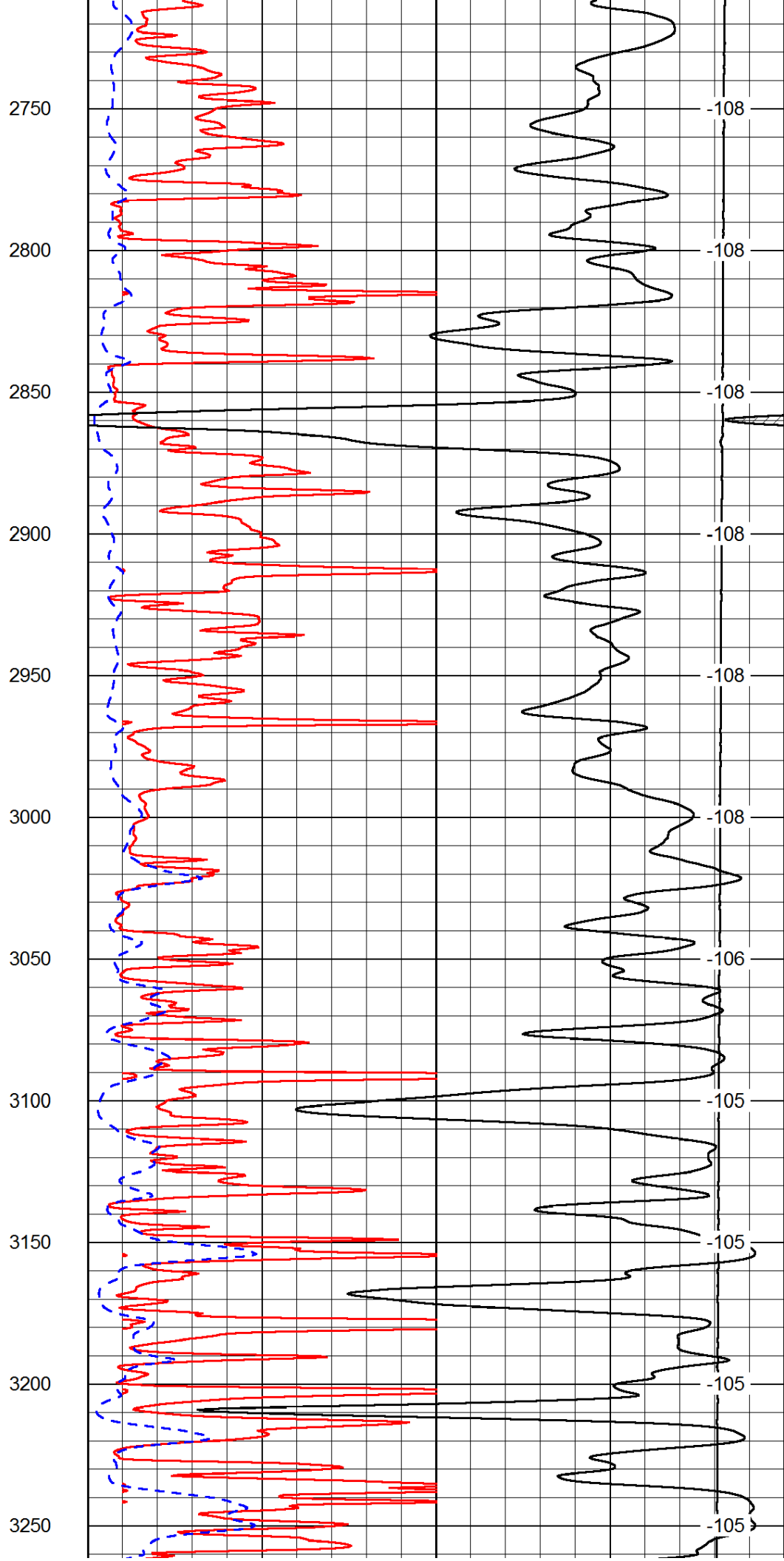
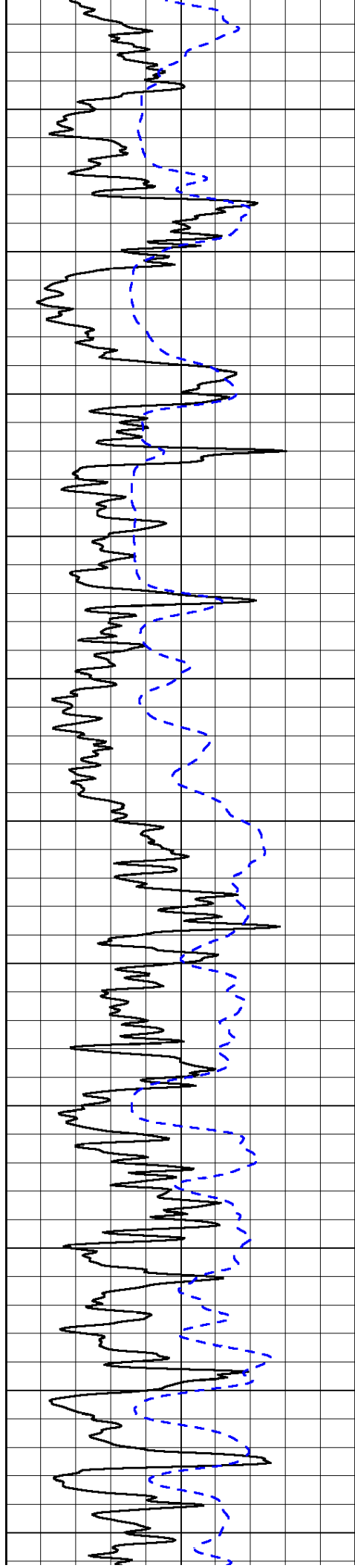
Charted by: Depth in Feet scaled 1:6000

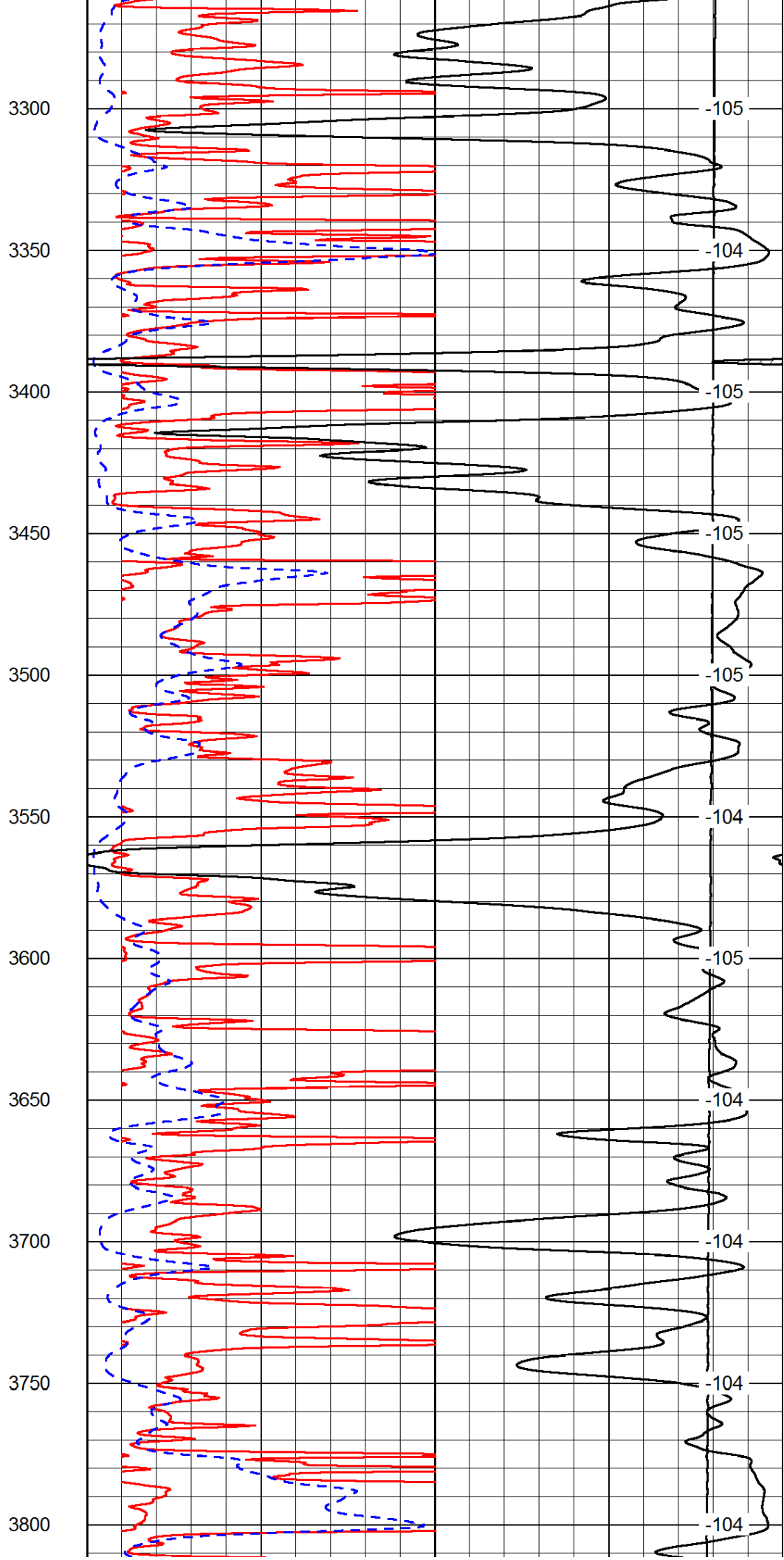
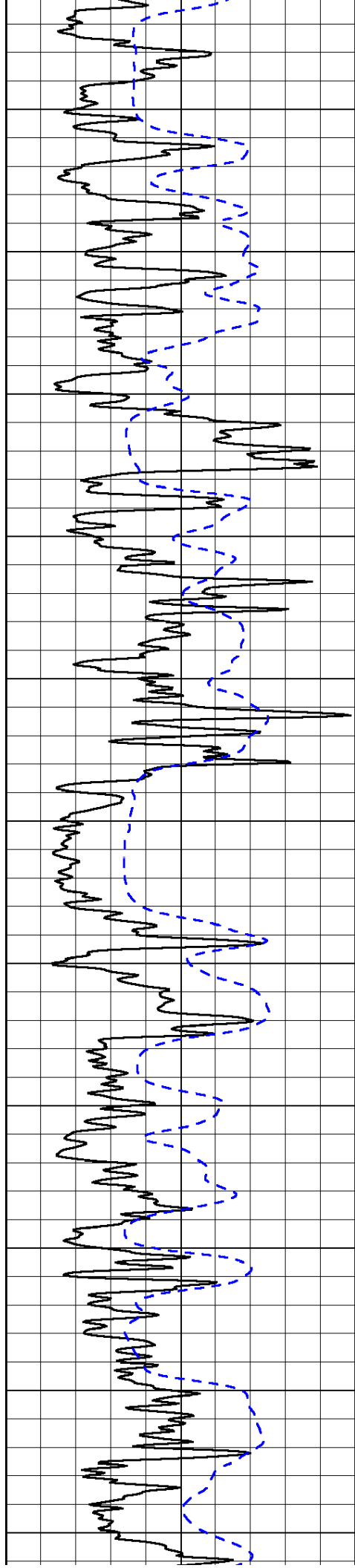
0	Gamma Ray	150
-200	SP (mV)	0

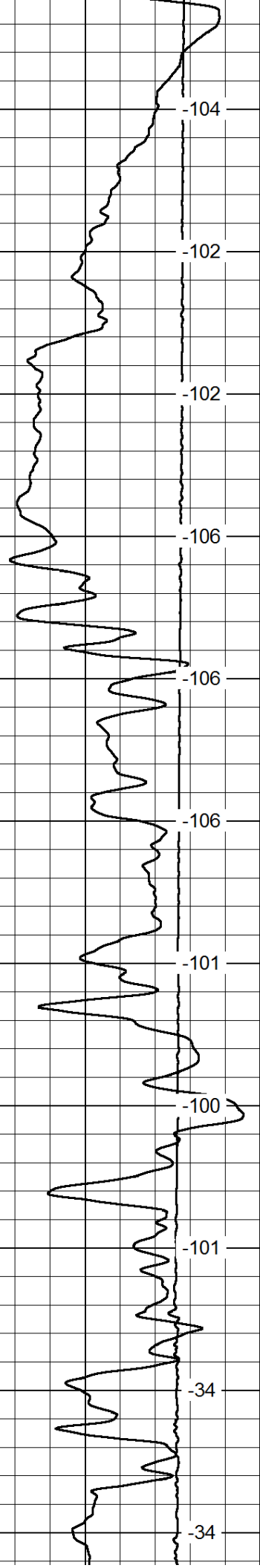
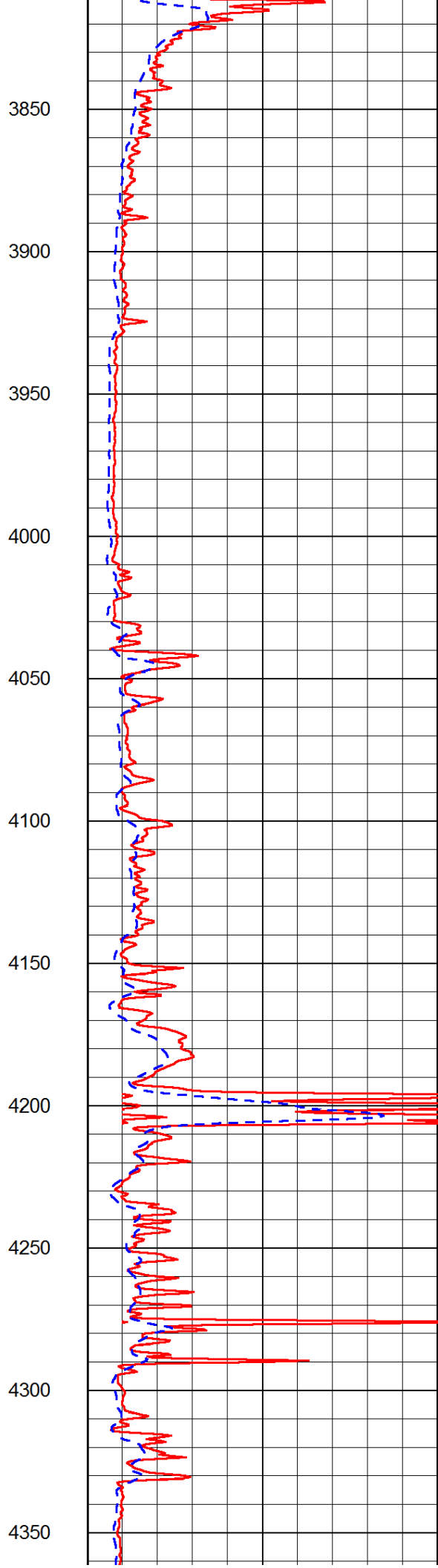
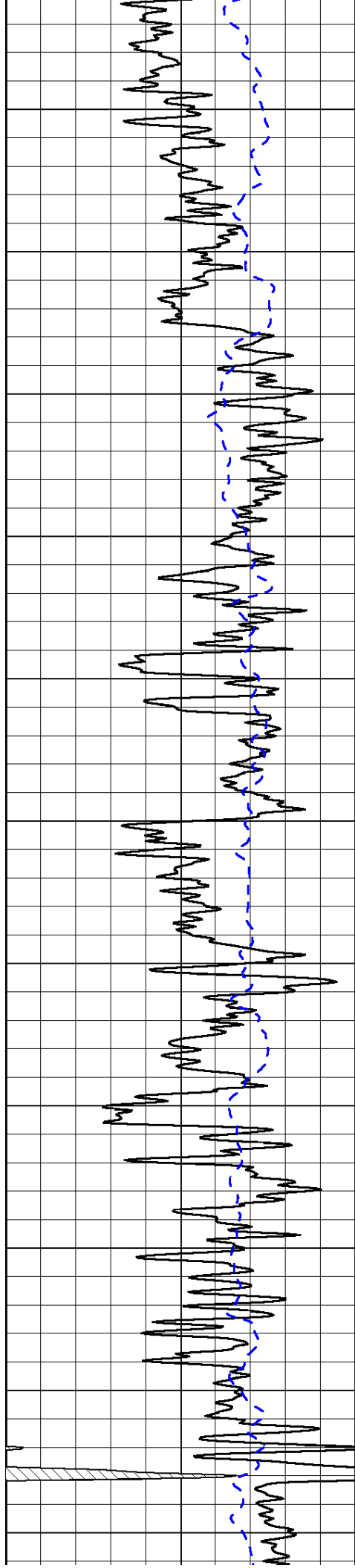
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

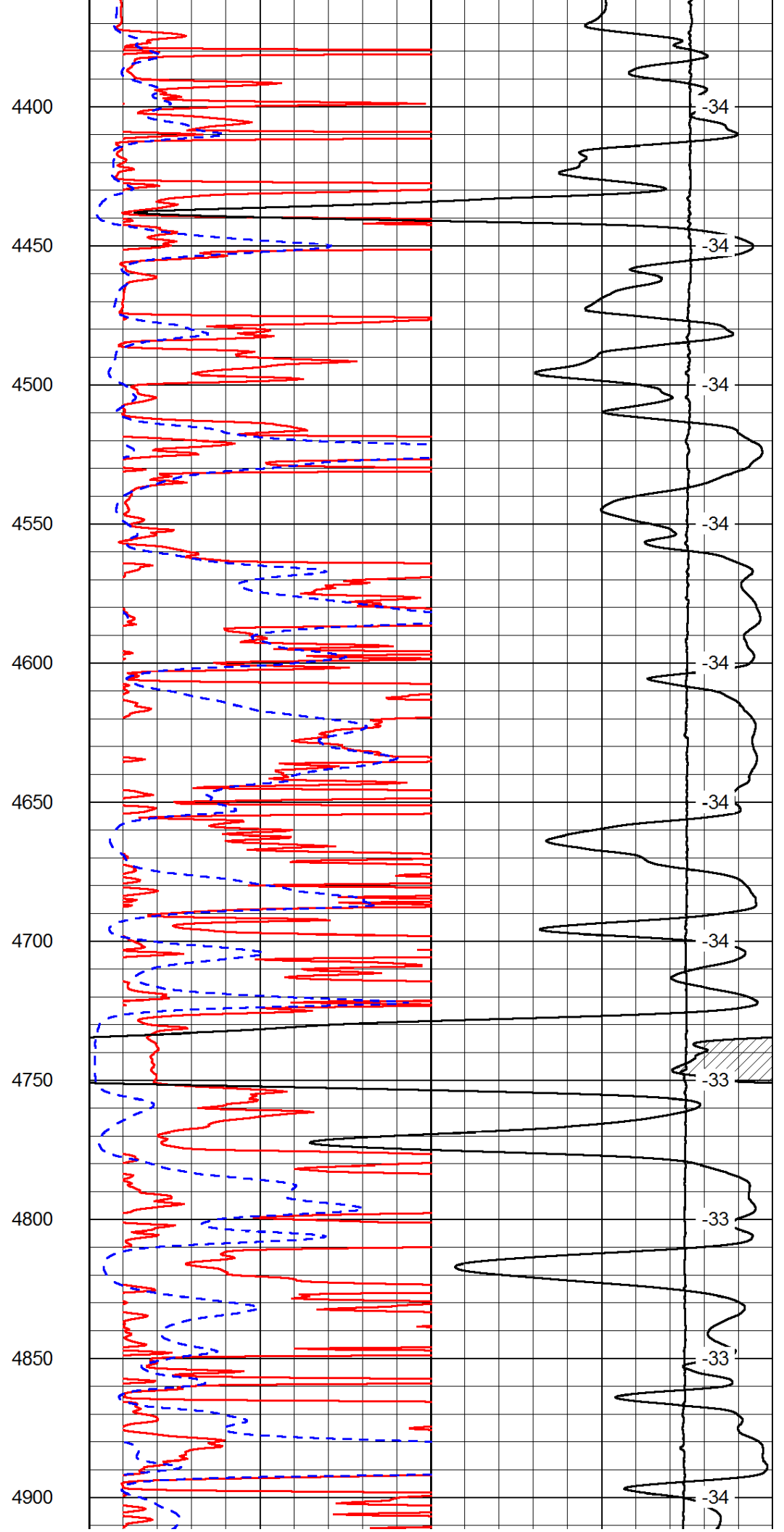
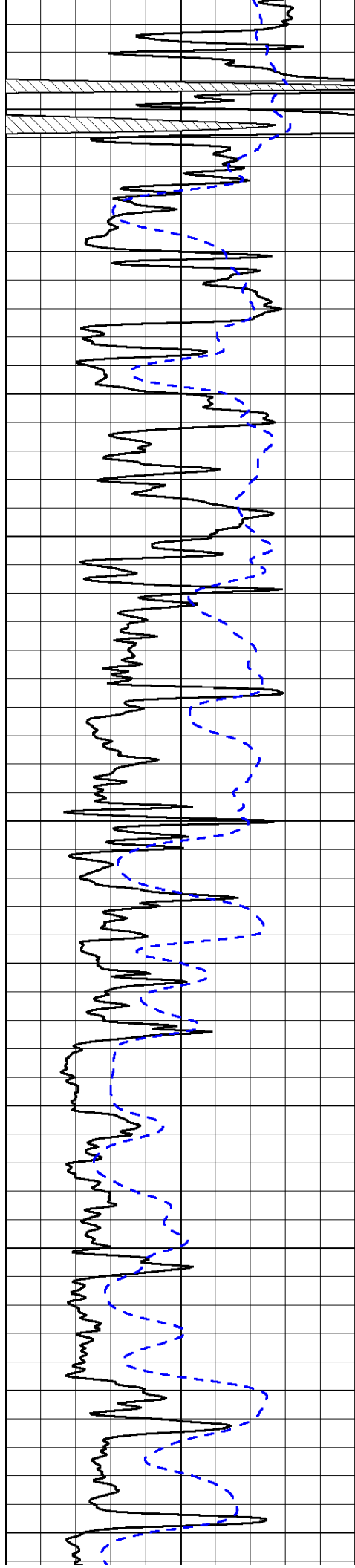


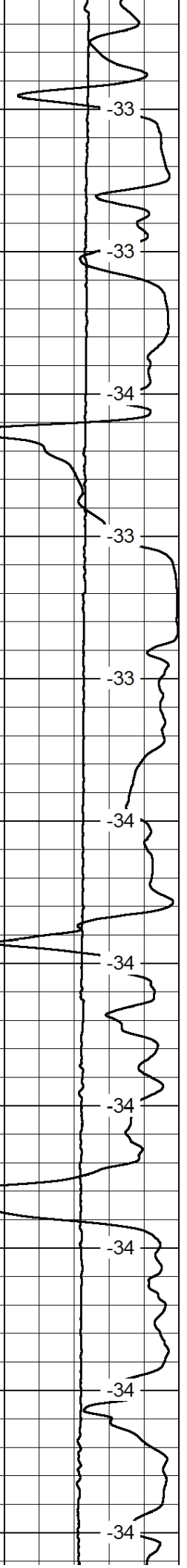
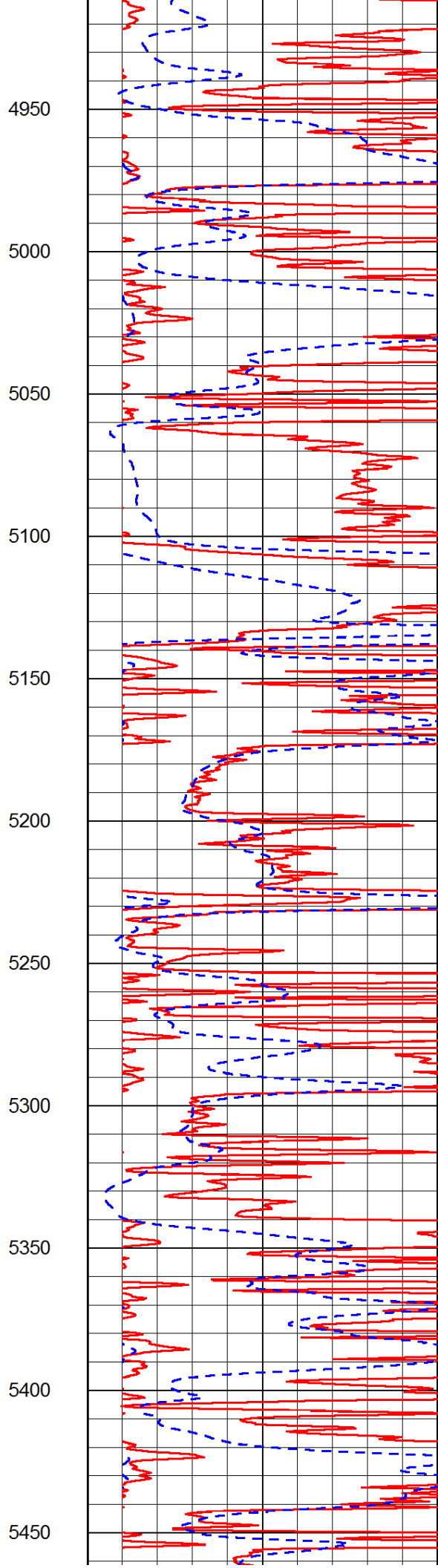
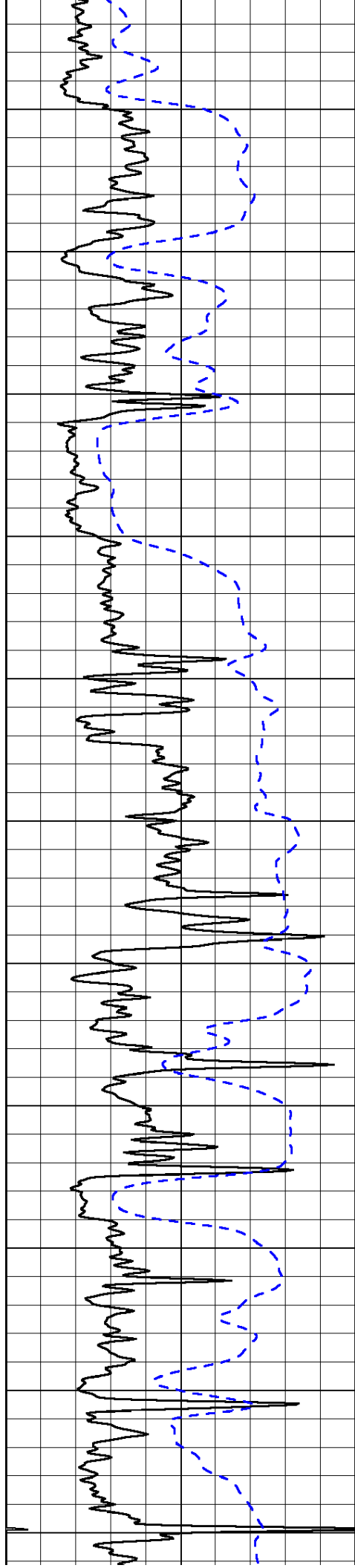


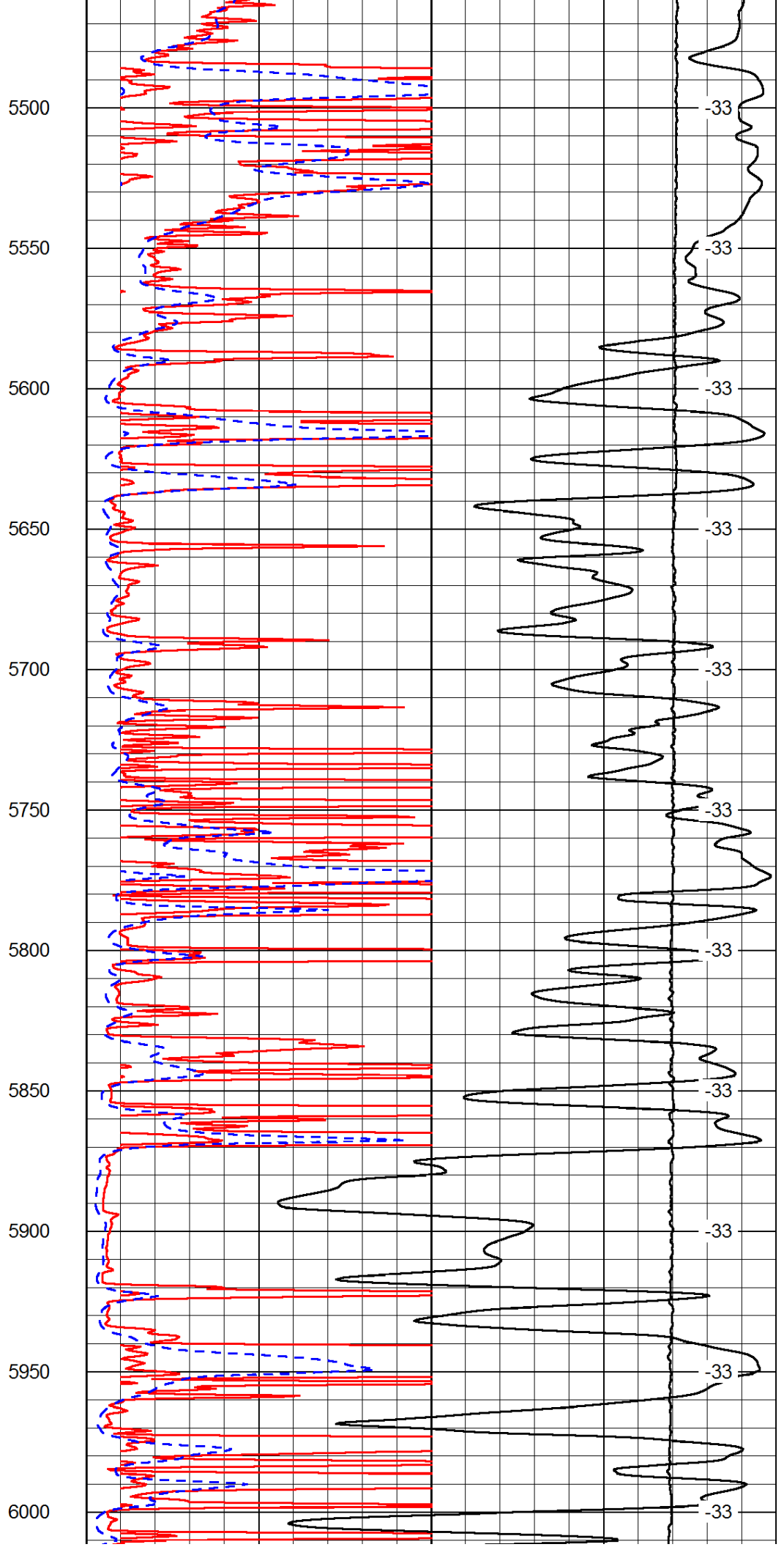
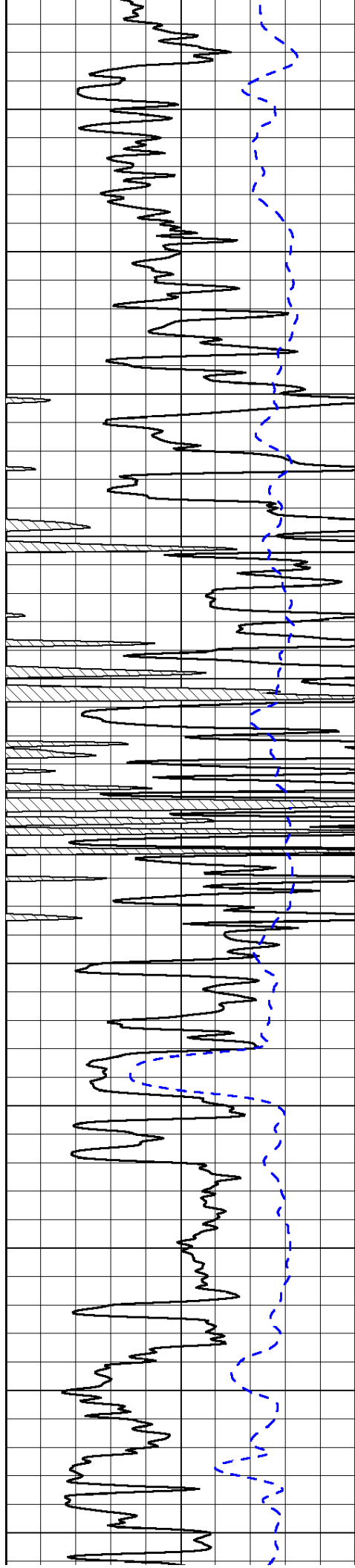


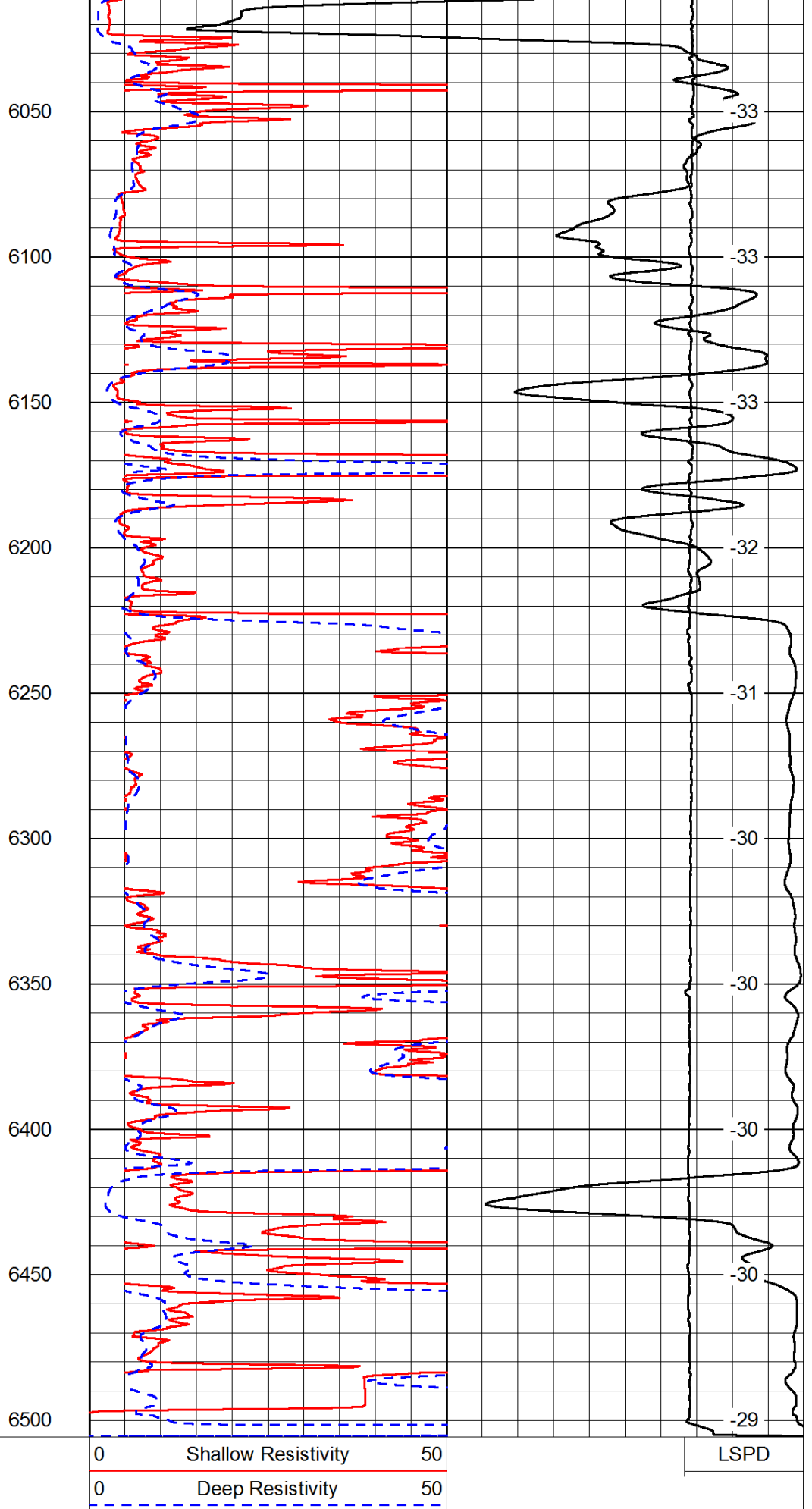
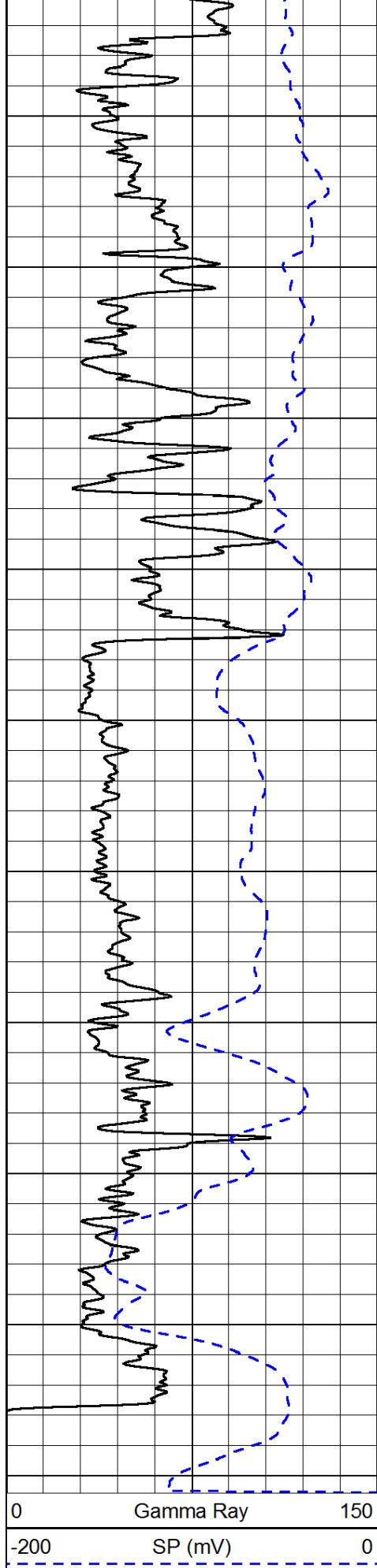












0	Gamma Ray	150
-200	SP (mV)	0

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

Database File:

c:\warrior\data\amwar_handy #8-29\americanwarrior_handy_8-29hd.db

Dataset Pathname:

dil\awstck

Presentation Format:

dil

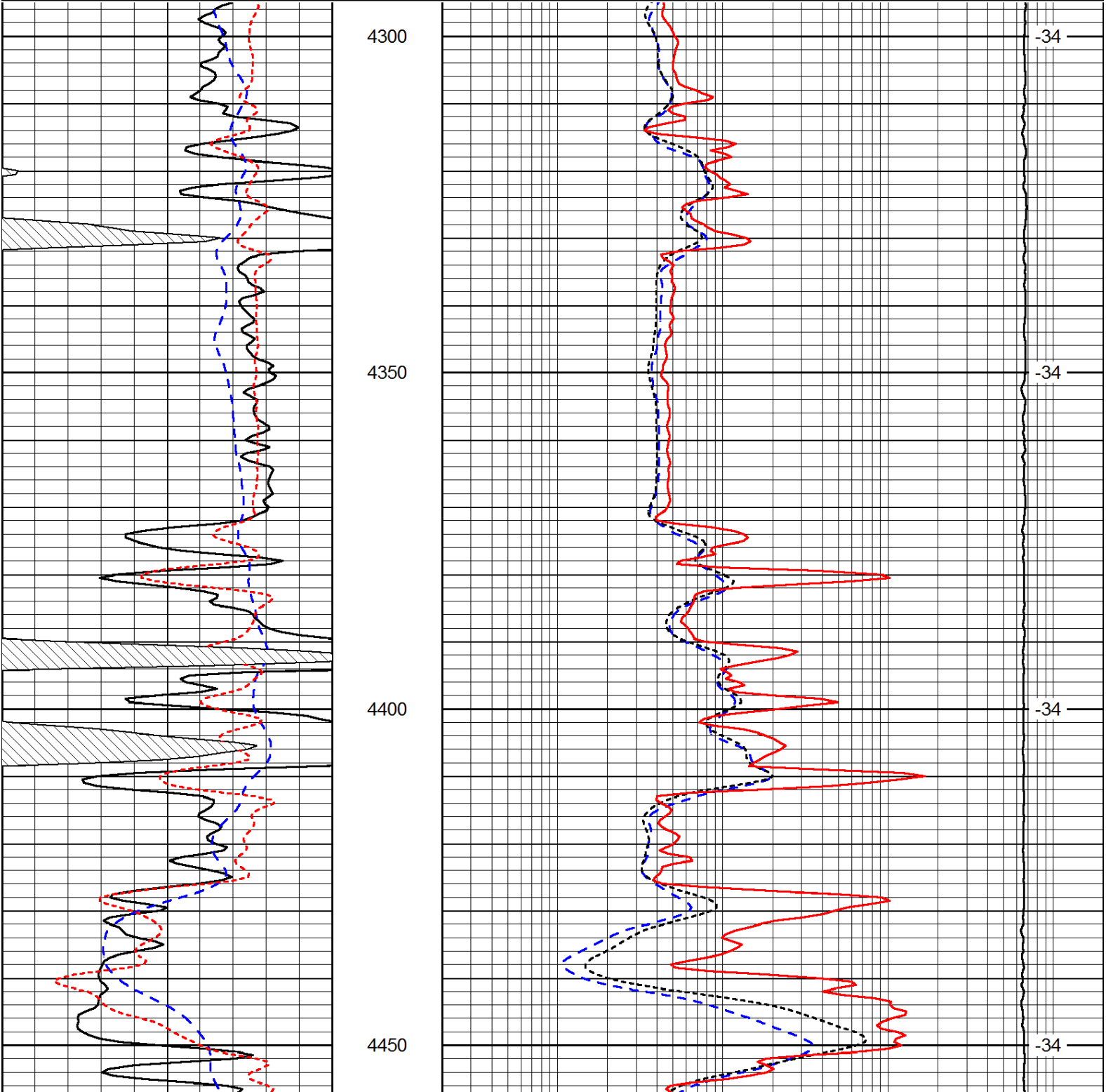
Dataset Creation:

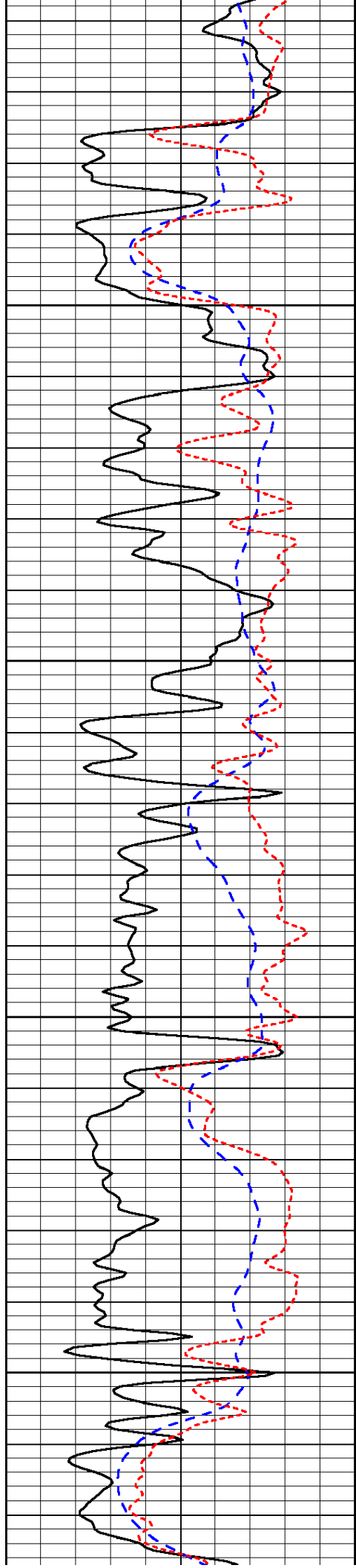
Sat Jun 28 19:41:24 2014

Charted by:

Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000
-200	SP (mV)	0	0.2	Medium Resistivity	2000
-160	RxoRt	40	0.2	Shallow Resistivity	2000
			15000	Line Tension	0
					LSPD



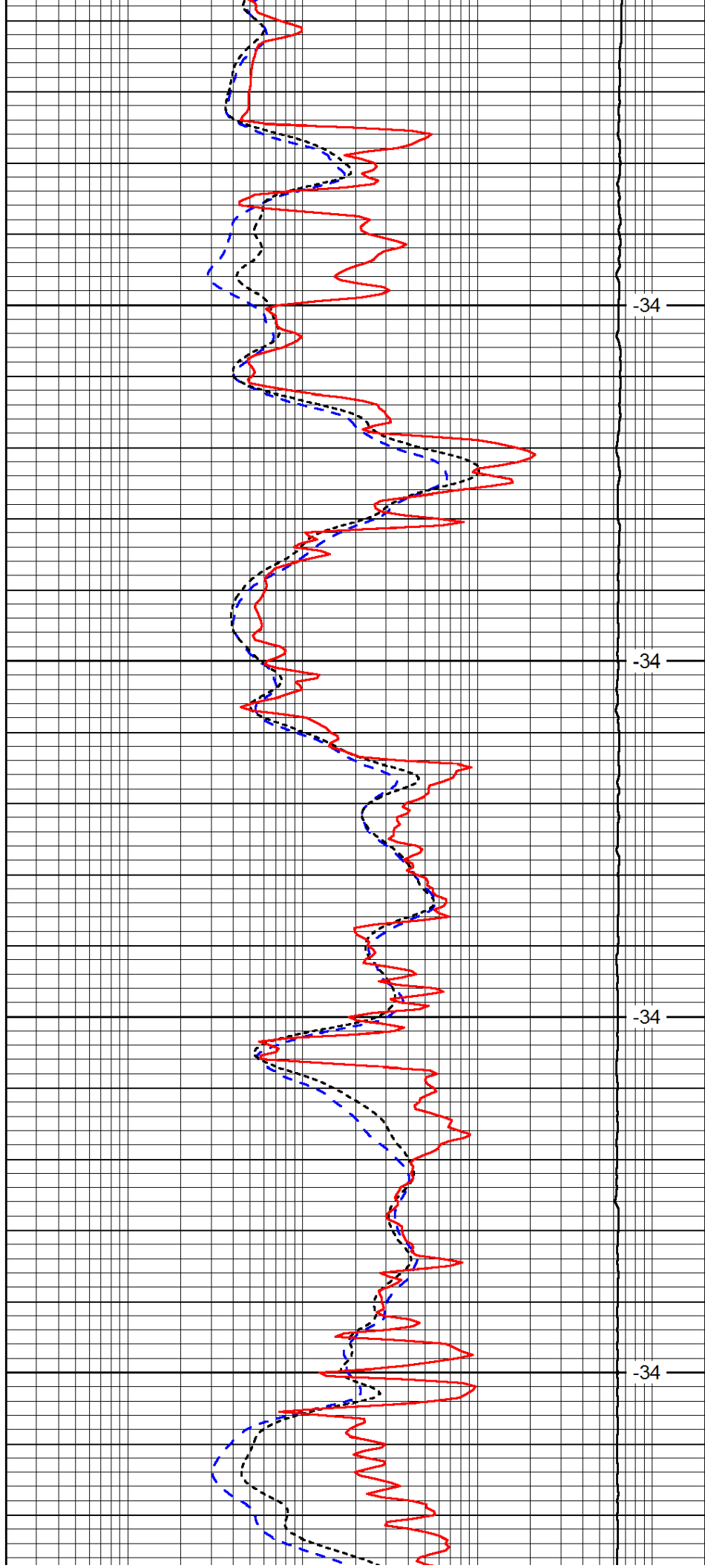


4500

4550

4600

4650

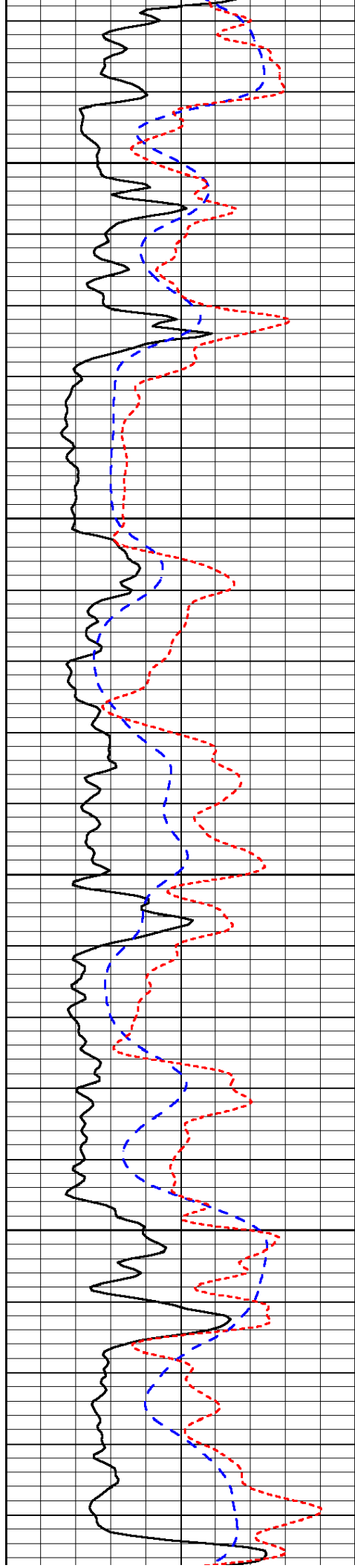


-34

-34

-34

-34

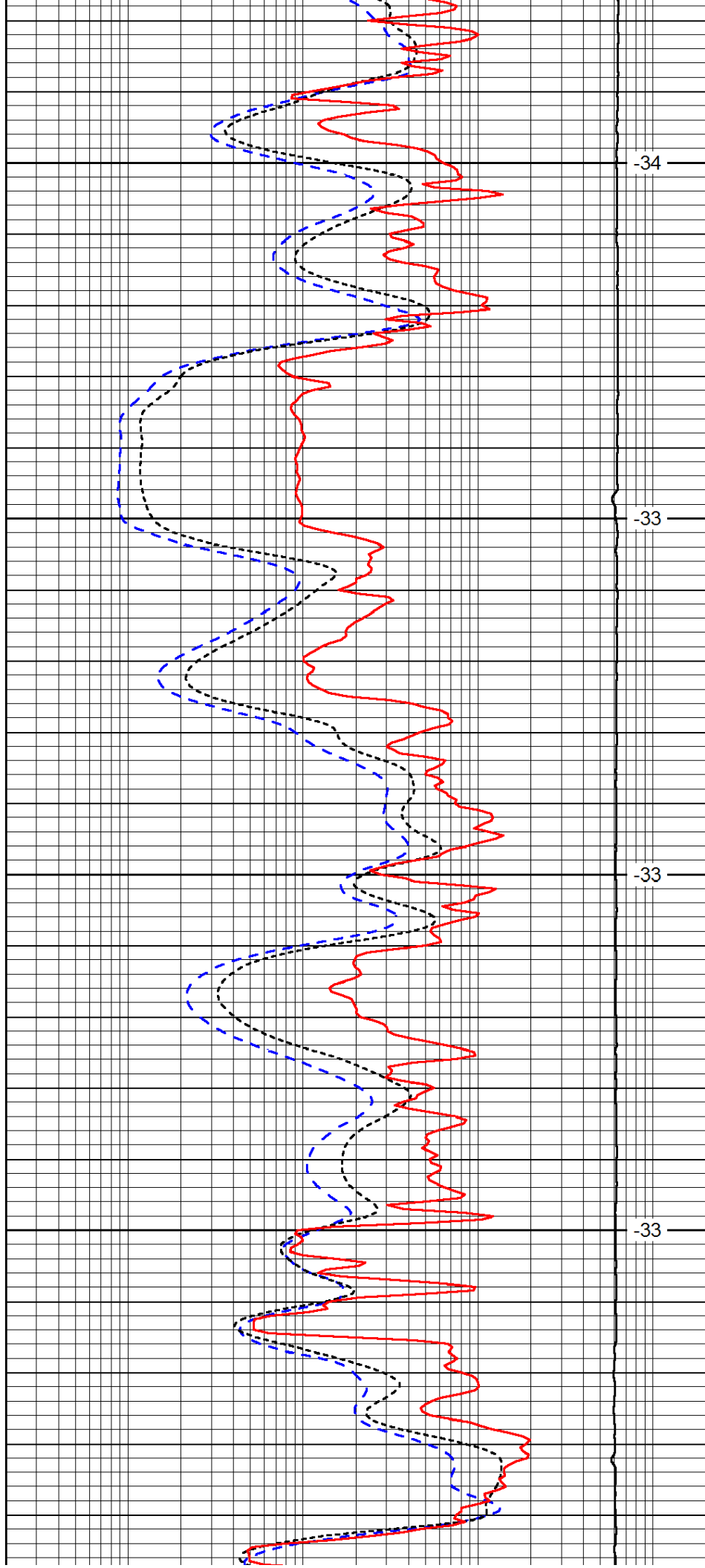


4700

4750

4800

4850

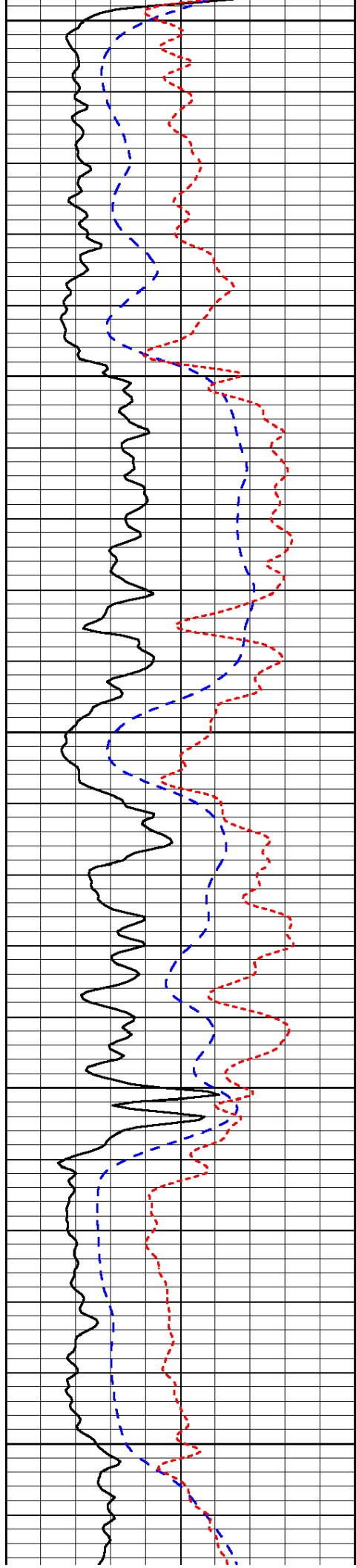


-34

-33

-33

-33



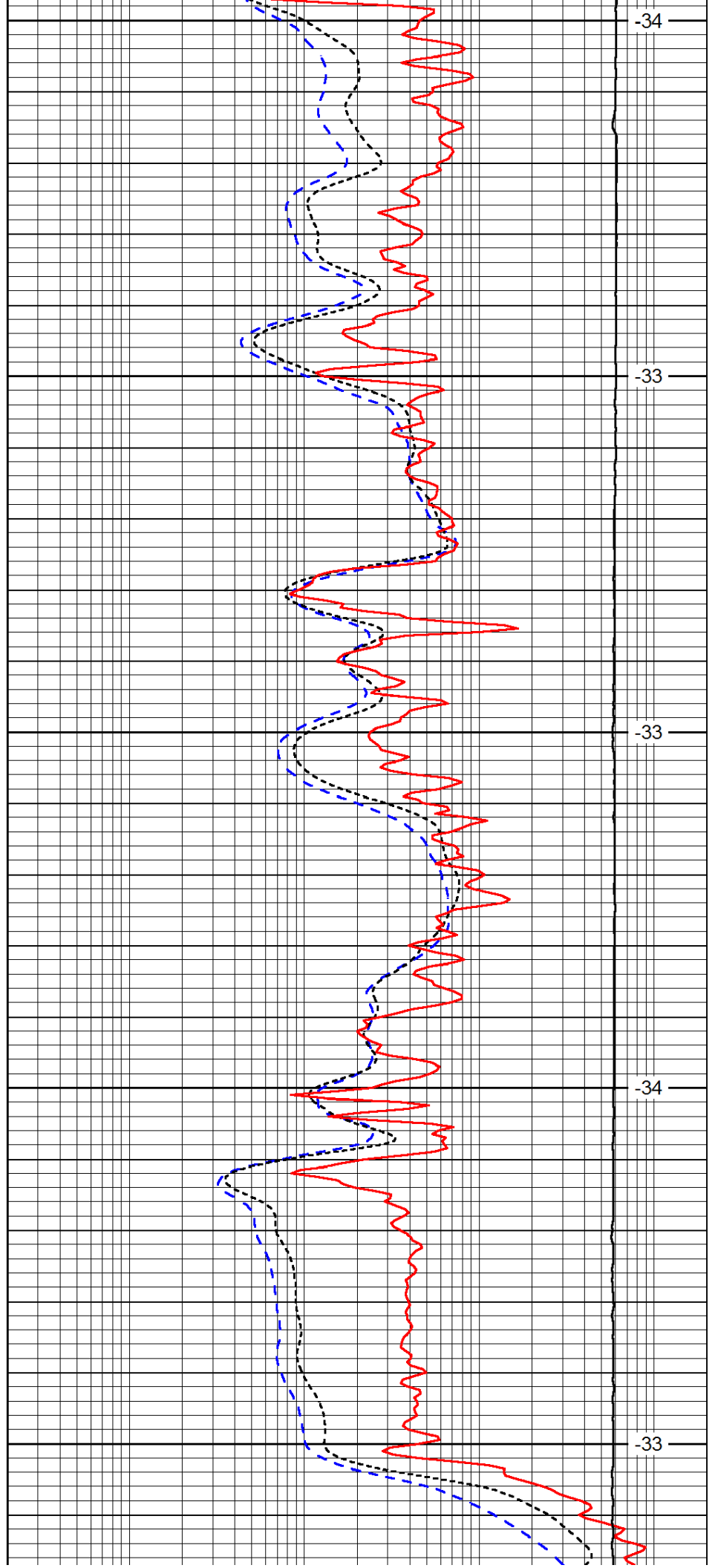
4900

4950

5000

5050

5100



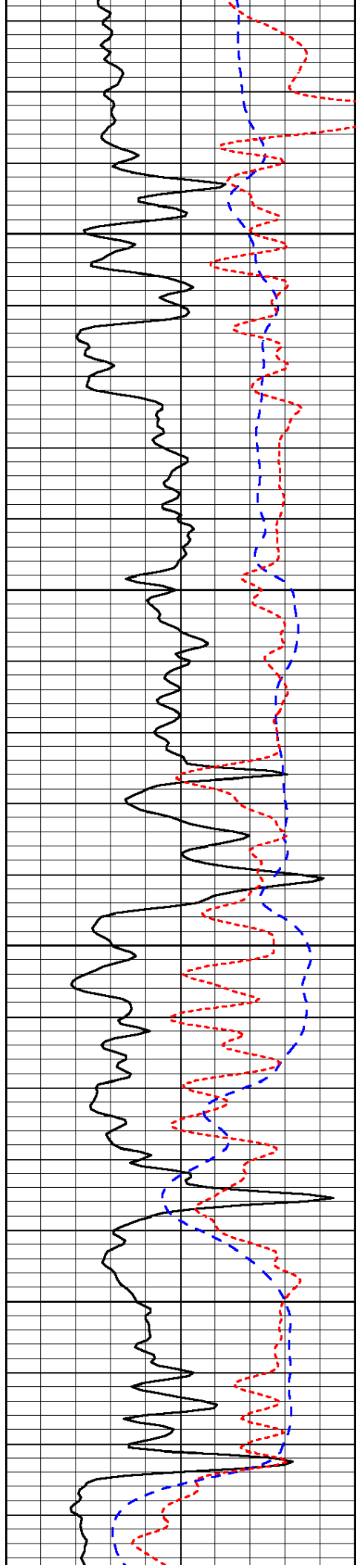
-34

-33

-33

-34

-33

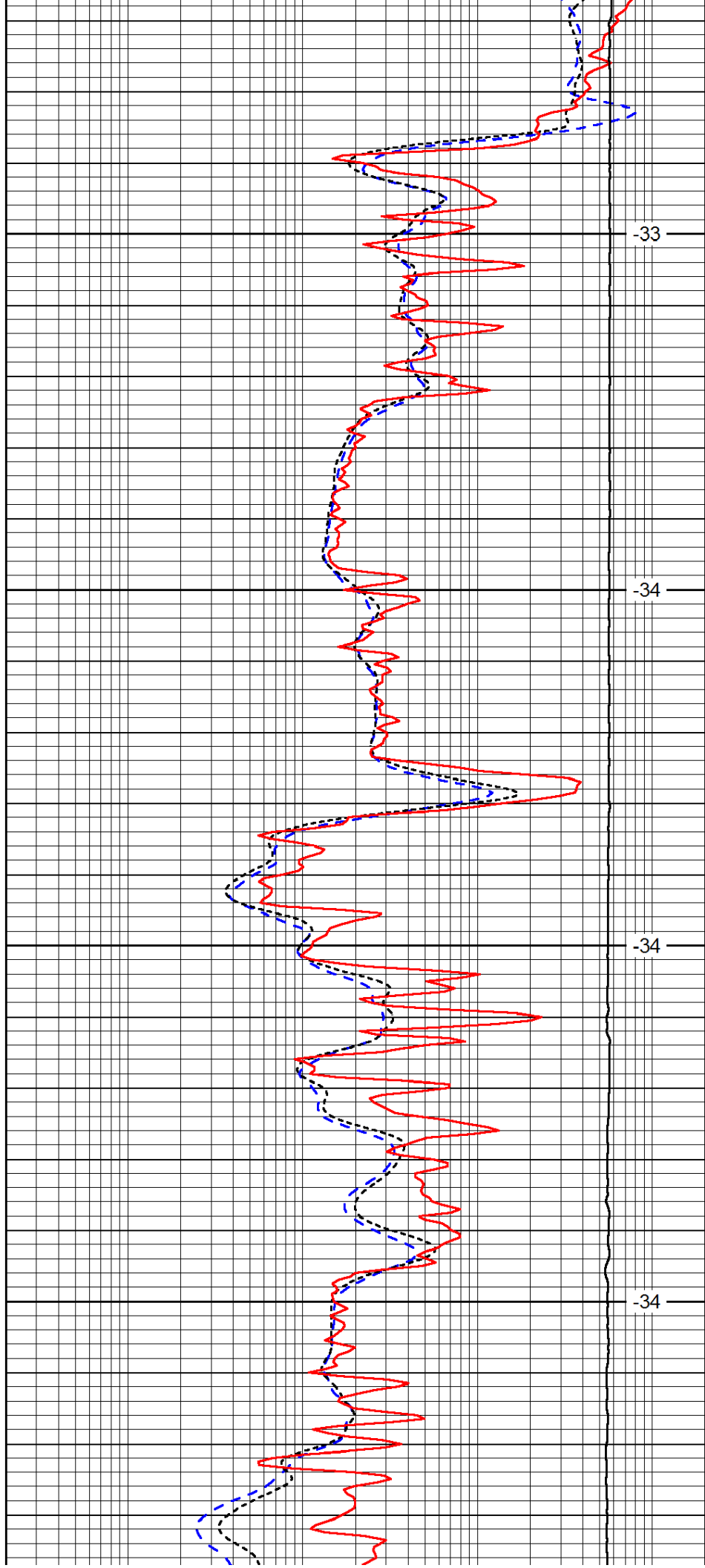


5150

5200

5250

5300

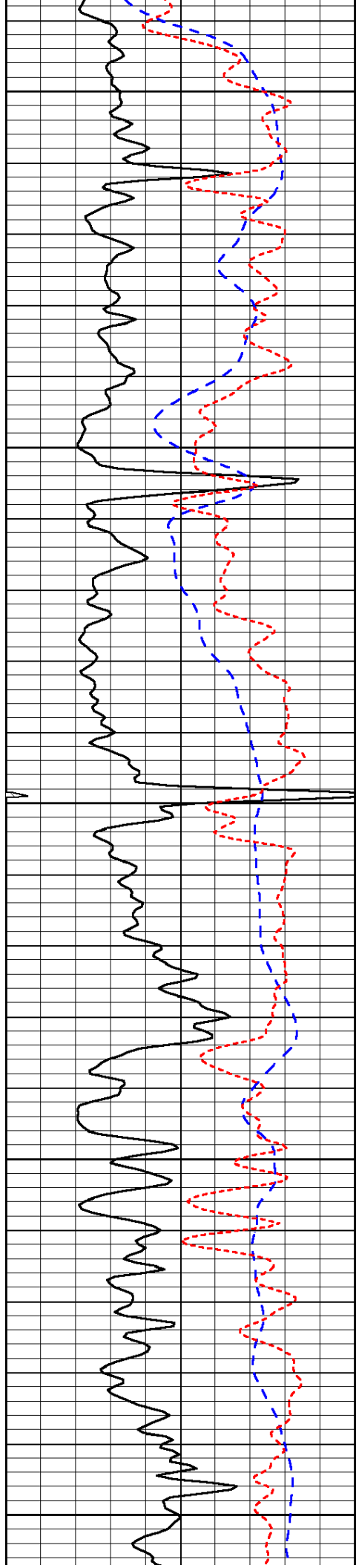


-33

-34

-34

-34



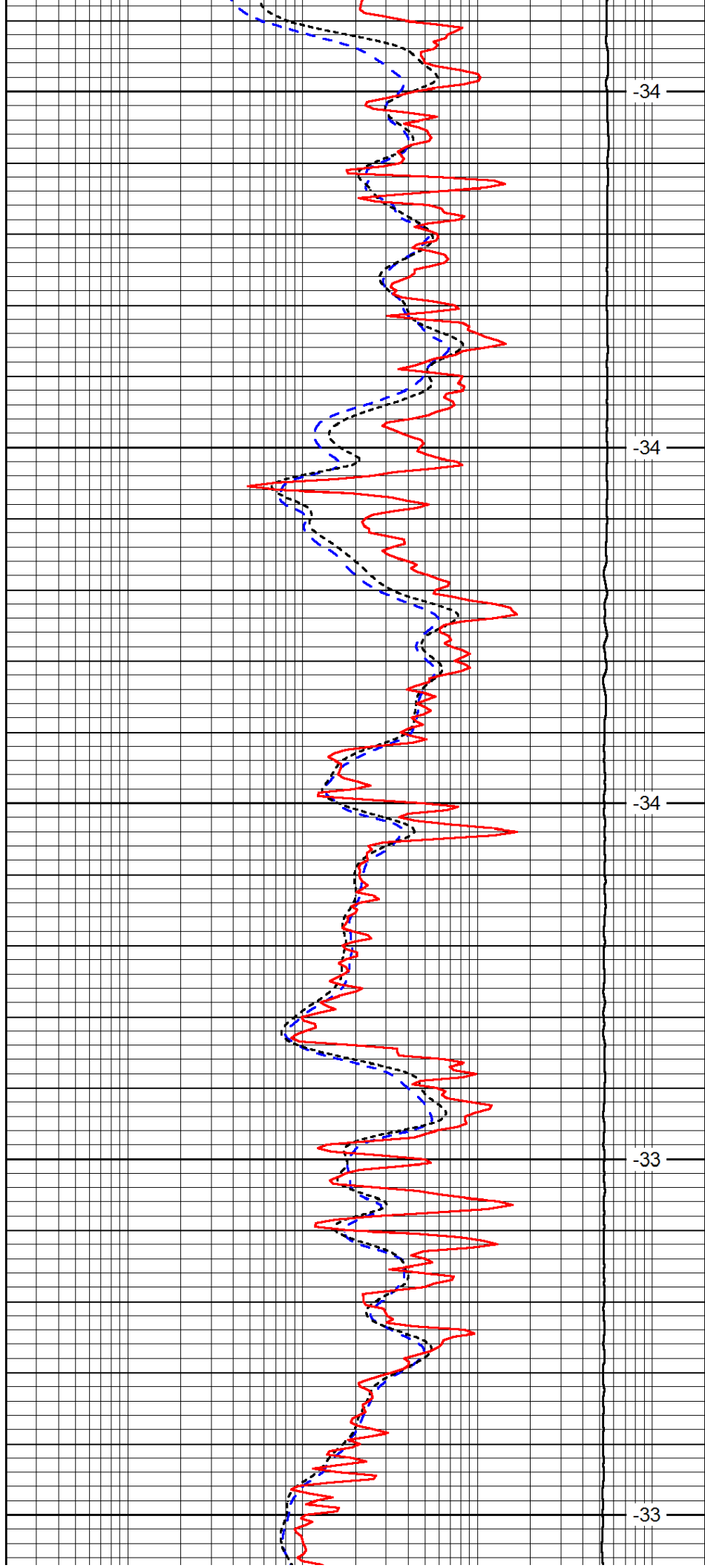
5350

5400

5450

5500

5550



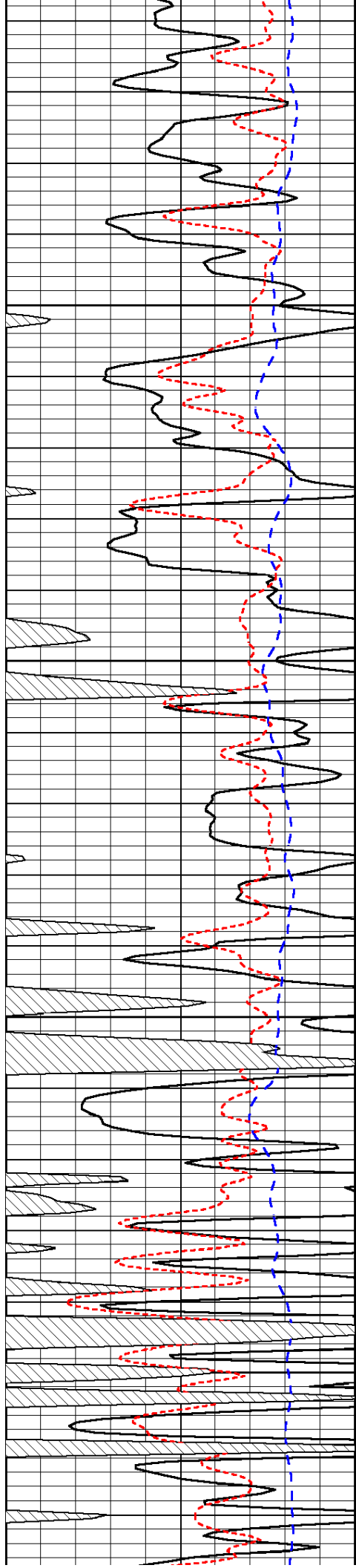
-34

-34

-34

-33

-33

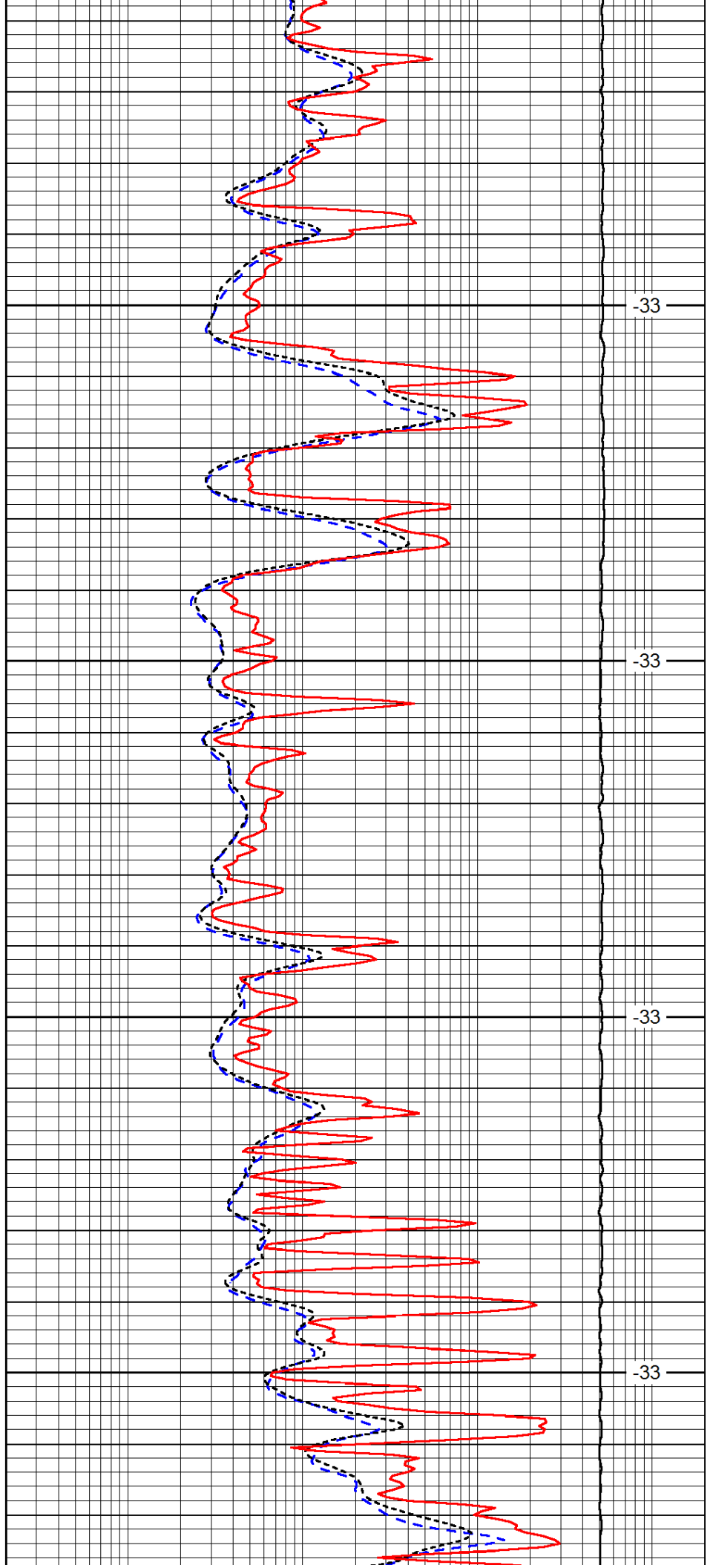


5600

5650

5700

5750

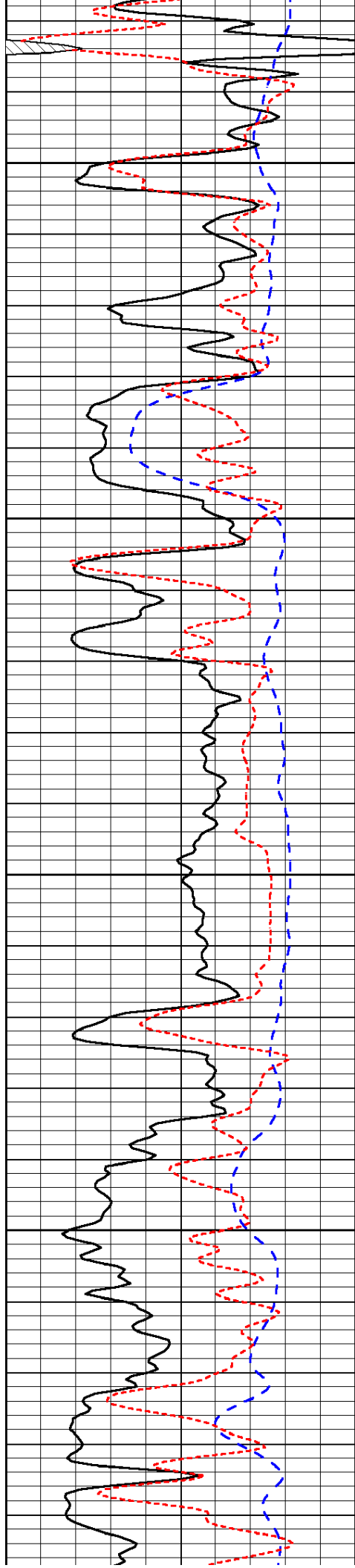


-33

-33

-33

-33

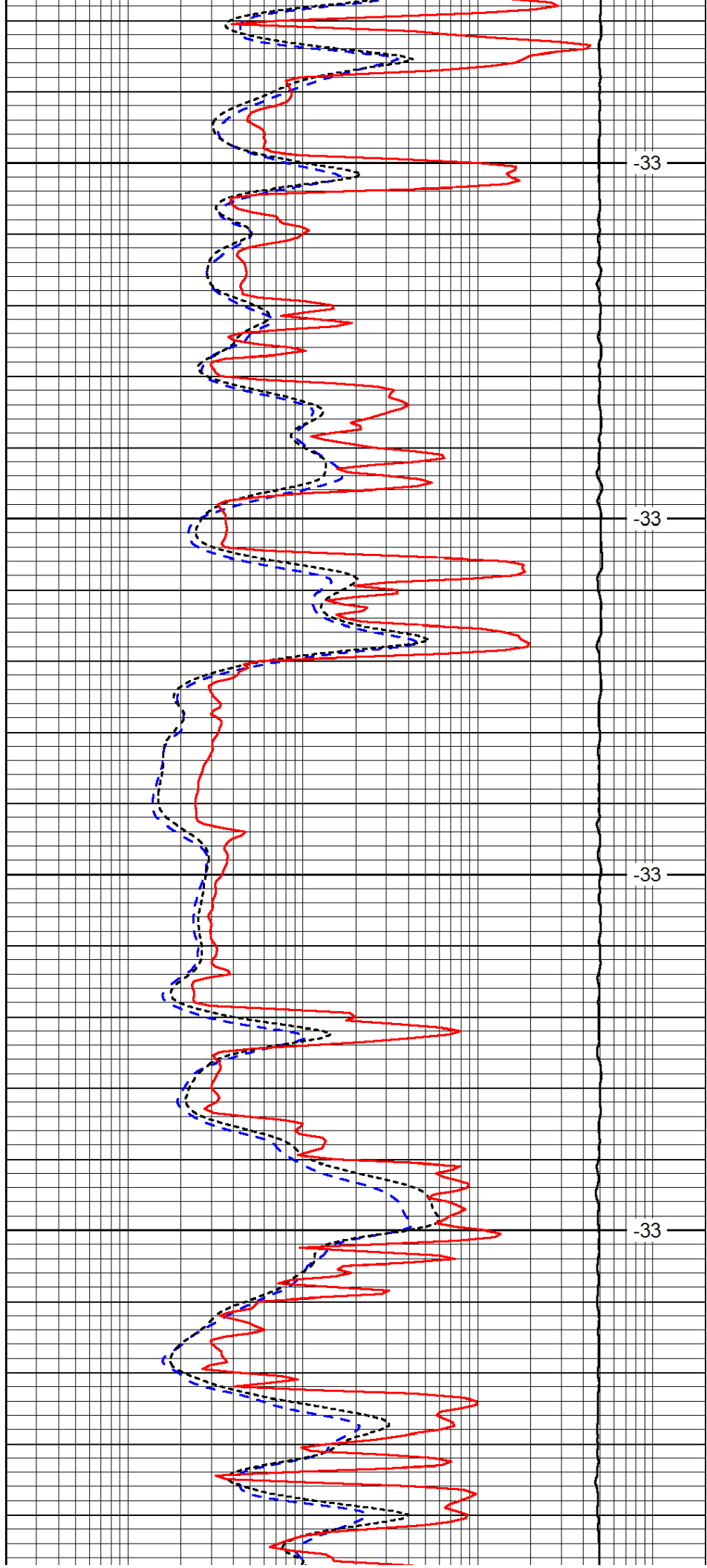


5800

5850

5900

5950

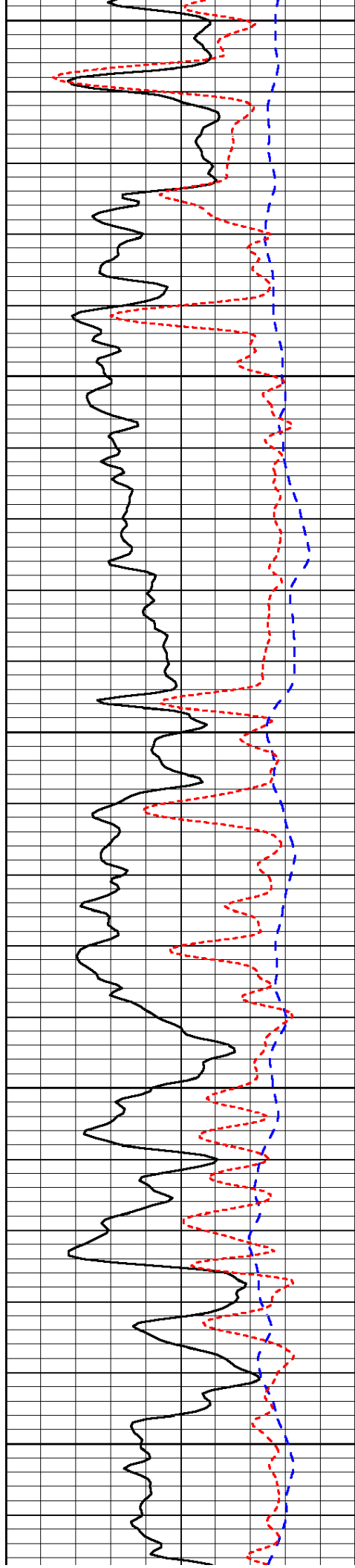


-33

-33

-33

-33



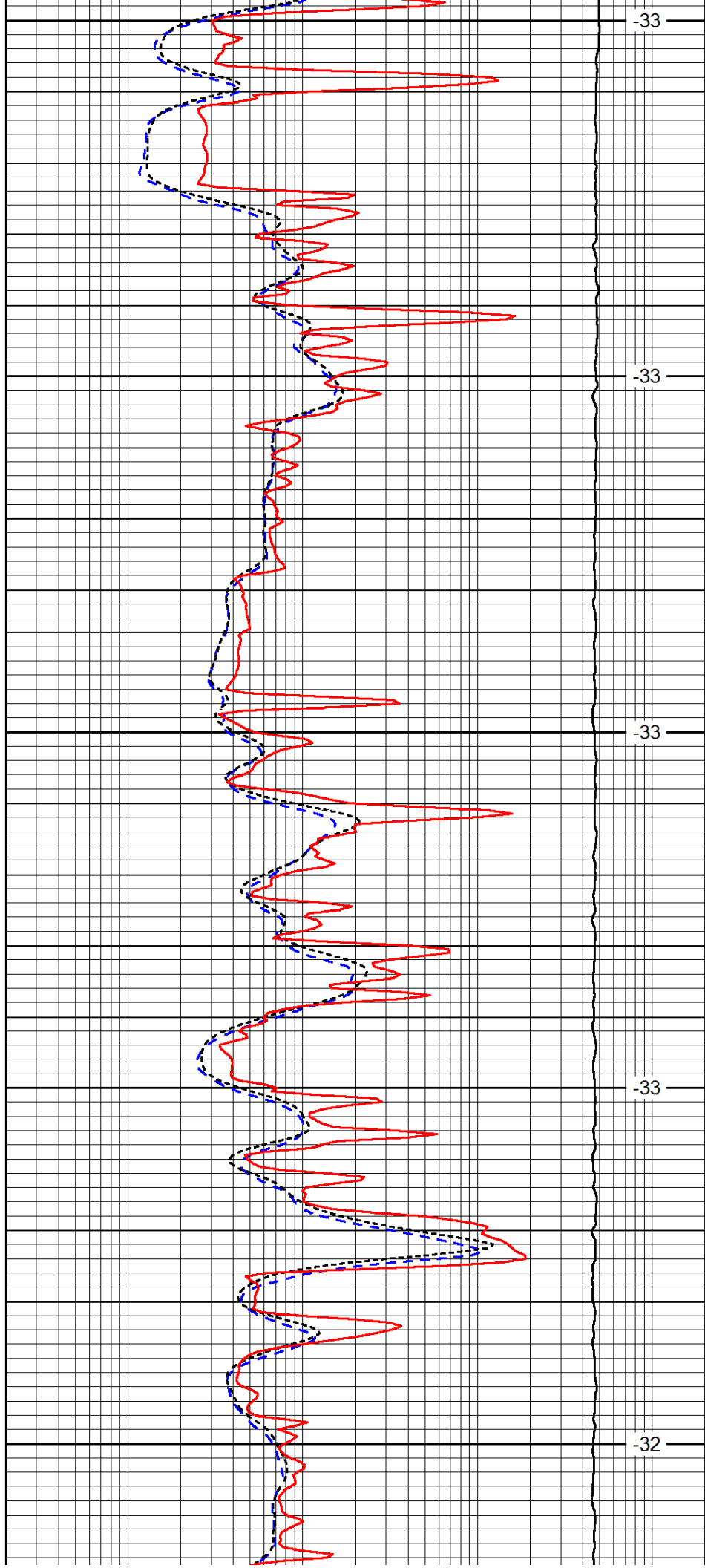
6000

6050

6100

6150

6200



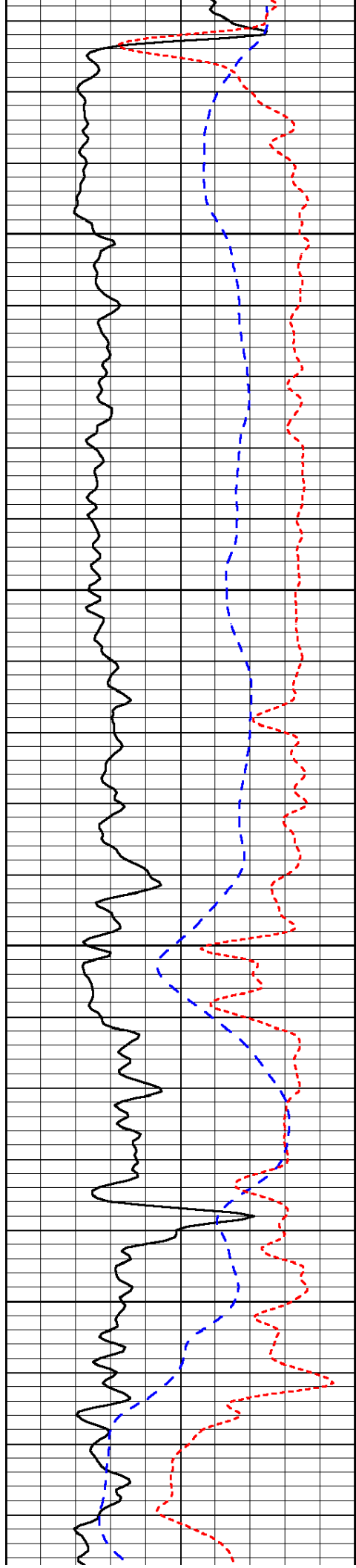
-33

-33

-33

-33

-32

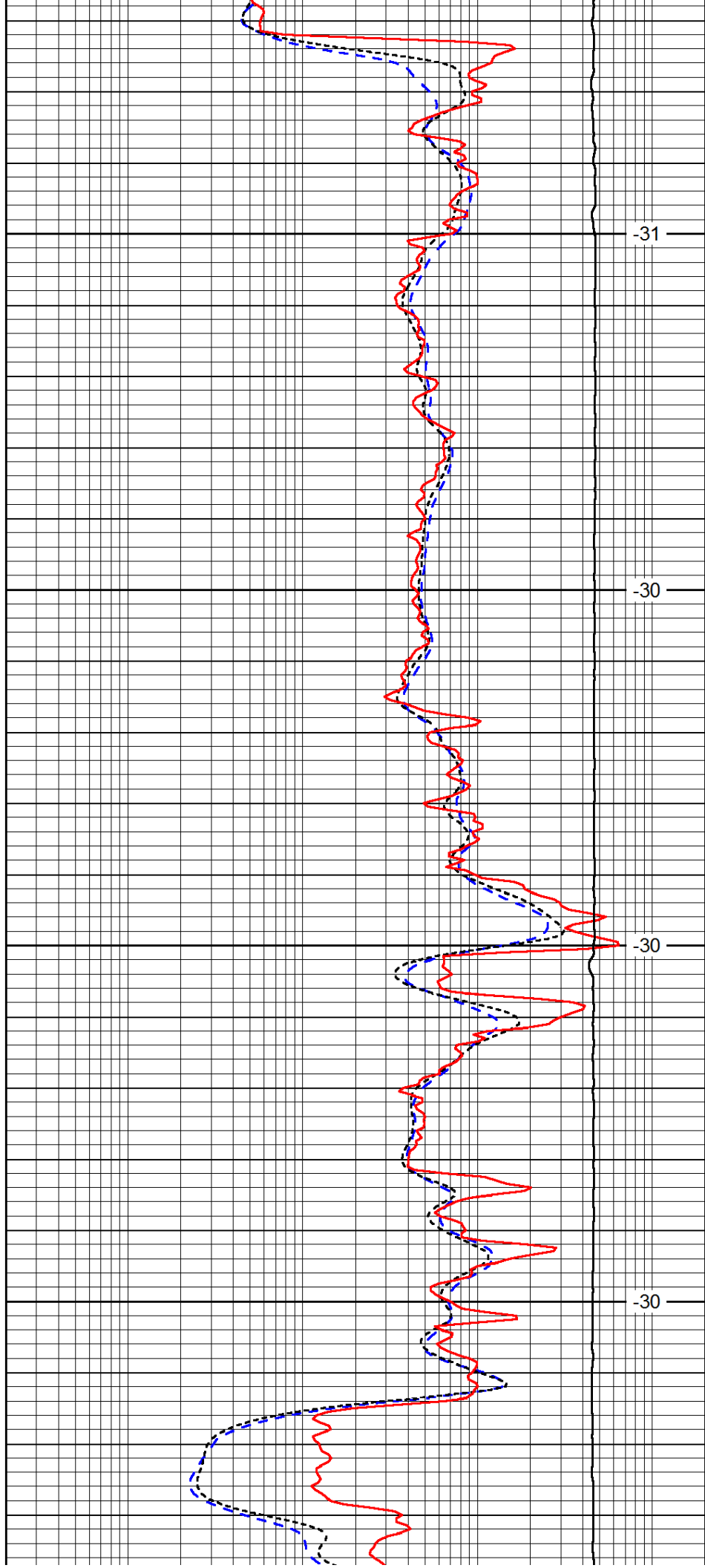


6250

6300

6350

6400



-31

-30

-30

-30

