



Dual Induction Log

Pioneer Energy Services

API No.		Company Falcon Exploration, Inc.	
15-069-20,424-00-00		Well James Koehn #2-31 (NW)	
Field		County Gray State Kansas	
Location		SE SE SE NW 1/4 2,540' FNL & 2,540' FWL	
Sec: 31 Twp: 28S Rge: 30W		Other Services CNL/CDL MEI/BHCS	
Permanent Datum Ground Level		Elevation 2820	
Log Measured From Kelly Bushing		13 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 2833 D.F. 2820 G.L. 2820	
Date	1/12/2013		
Run Number	One		
Depth Driller	5470		
Depth Logger	5473		
Bottom Logged Interval	5472		
Top Log Interval	1850		
Casing Driller	8.625 @ 1870		
Casing Logger	1869		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	4000		
Density / Viscosity	9.3 50		
pH / Fluid Loss	9.0 8.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.60 @ 68		
Rmf @ Meas. Temp	.45 @ 68		
Rmc @ Meas. Temp	.81 @ 68		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.31 @ 131		
Operating Rig Time	6 Hours		
Max Rec. Temp. F	131		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Dave Williams		

<<< 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

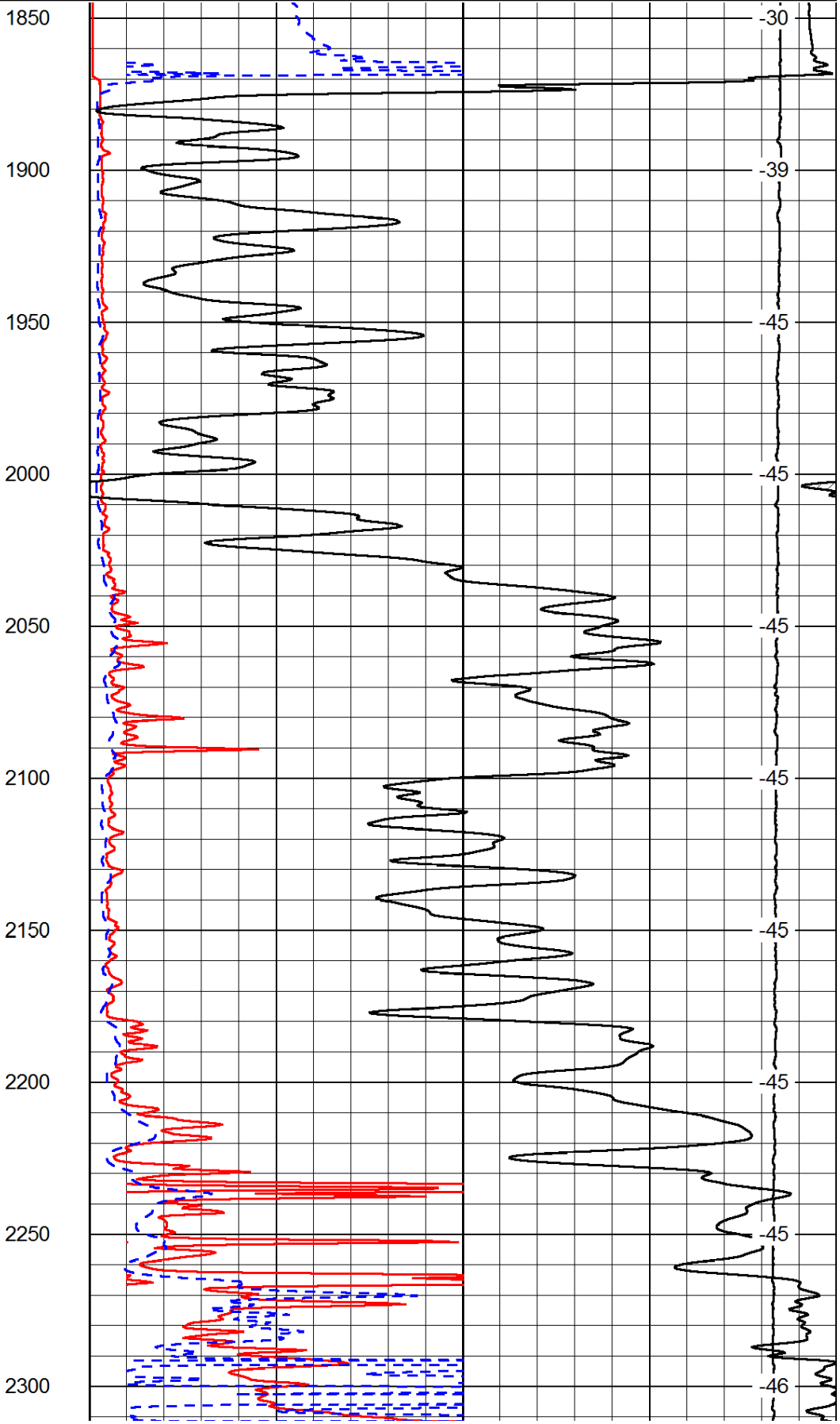
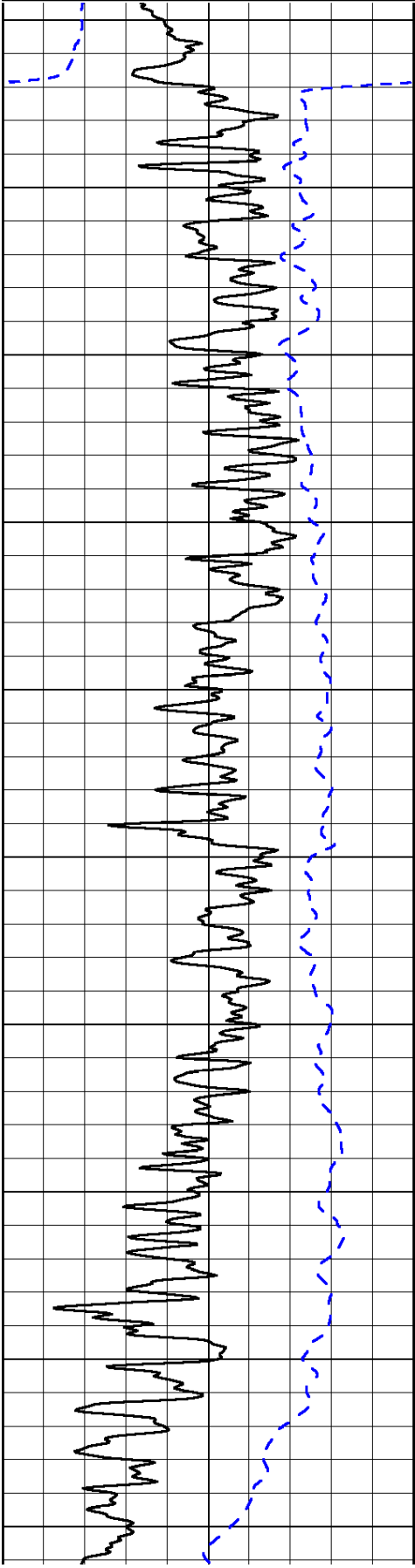
Copeland, North to 144 Highway, 1/2 West, North Into

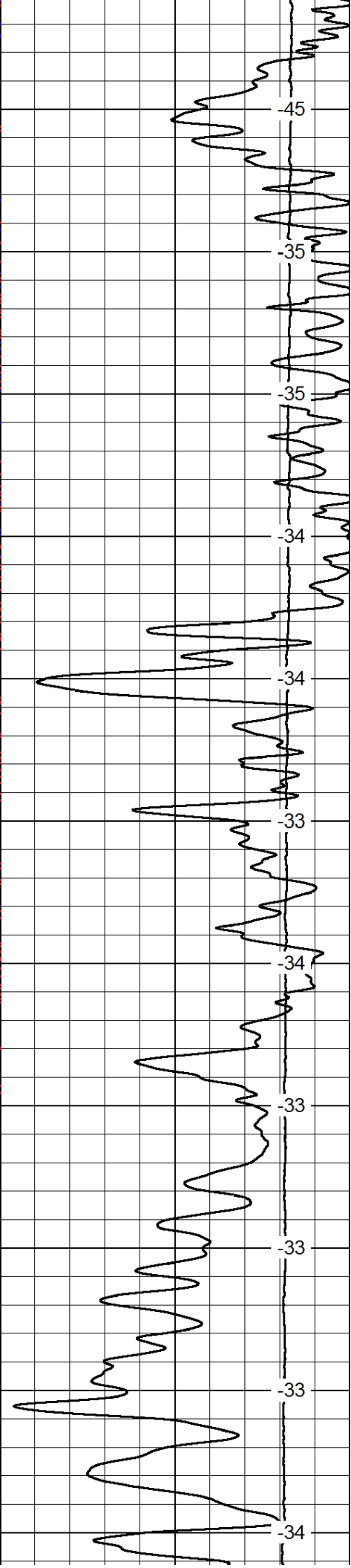
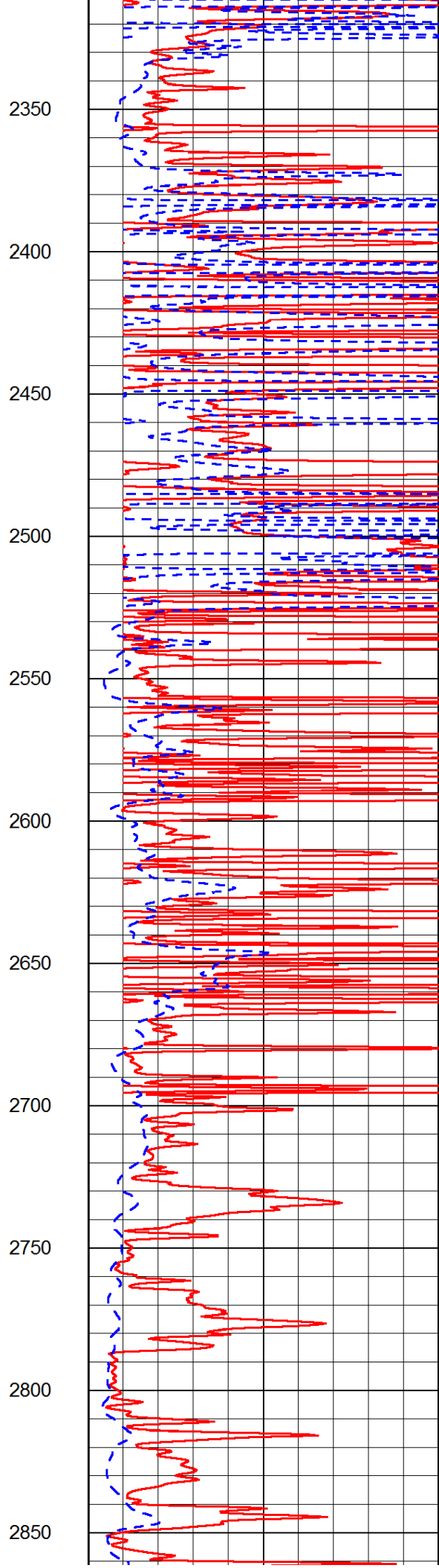
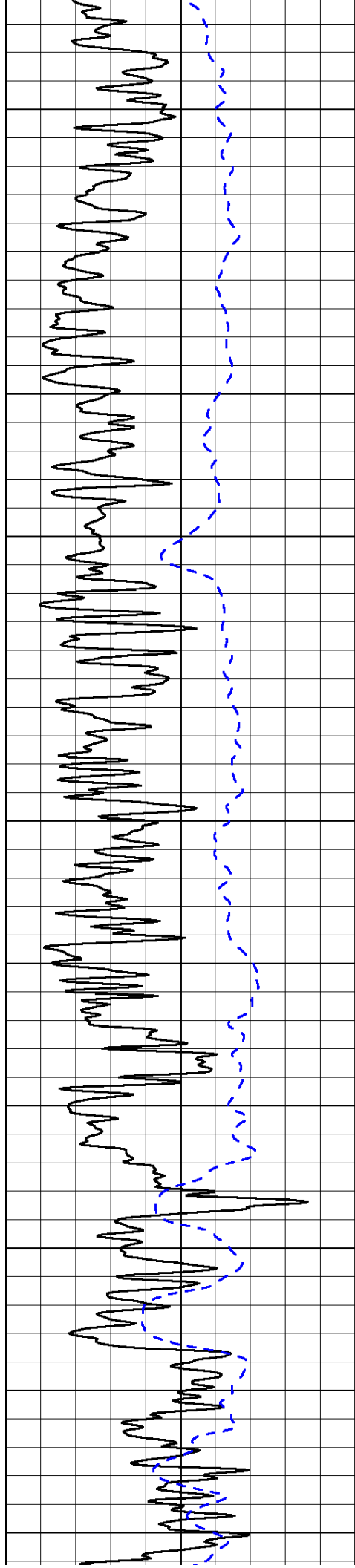
Database File: c:\warrior\data\falcon_james koehn #2-31 (nw)\falcon_jameskoehn_2-31nw.hd.db
Dataset Pathname: dil/falcstck
Presentation Format: dil2in
Dataset Creation: Sat Jan 12 12:36:08 2013
Charted by: Depth in Feet scaled 1:600

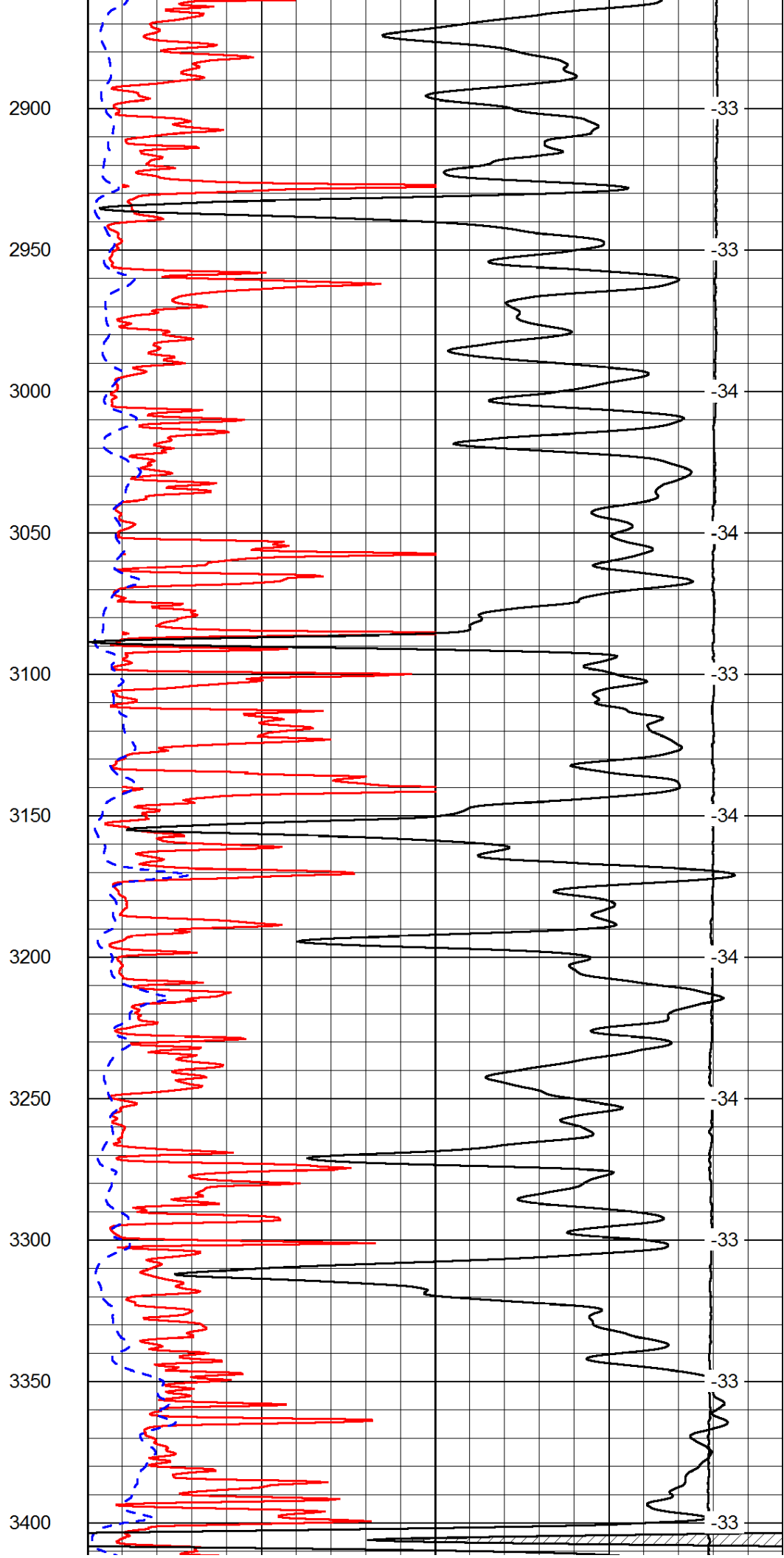
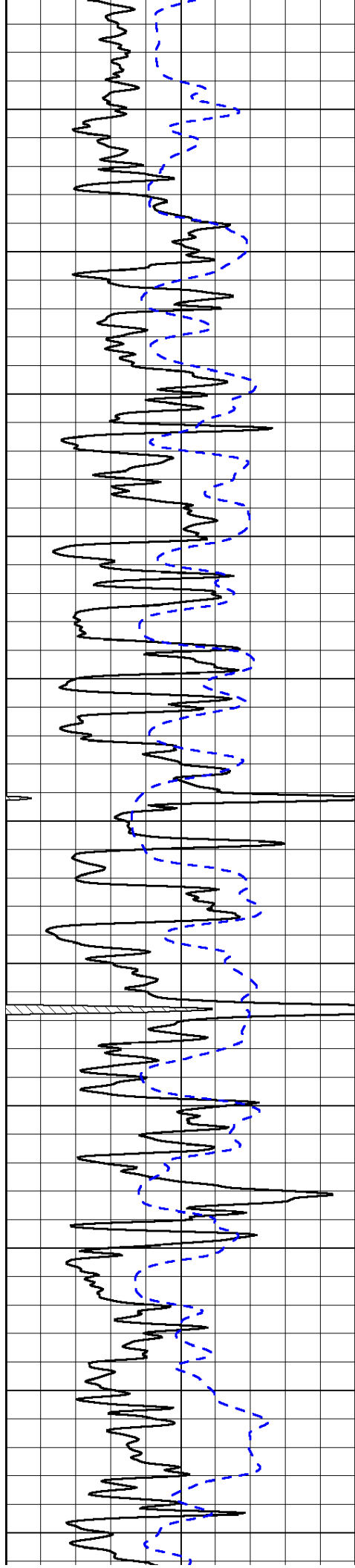
Charted by: Depth in Feet scaled 1:600

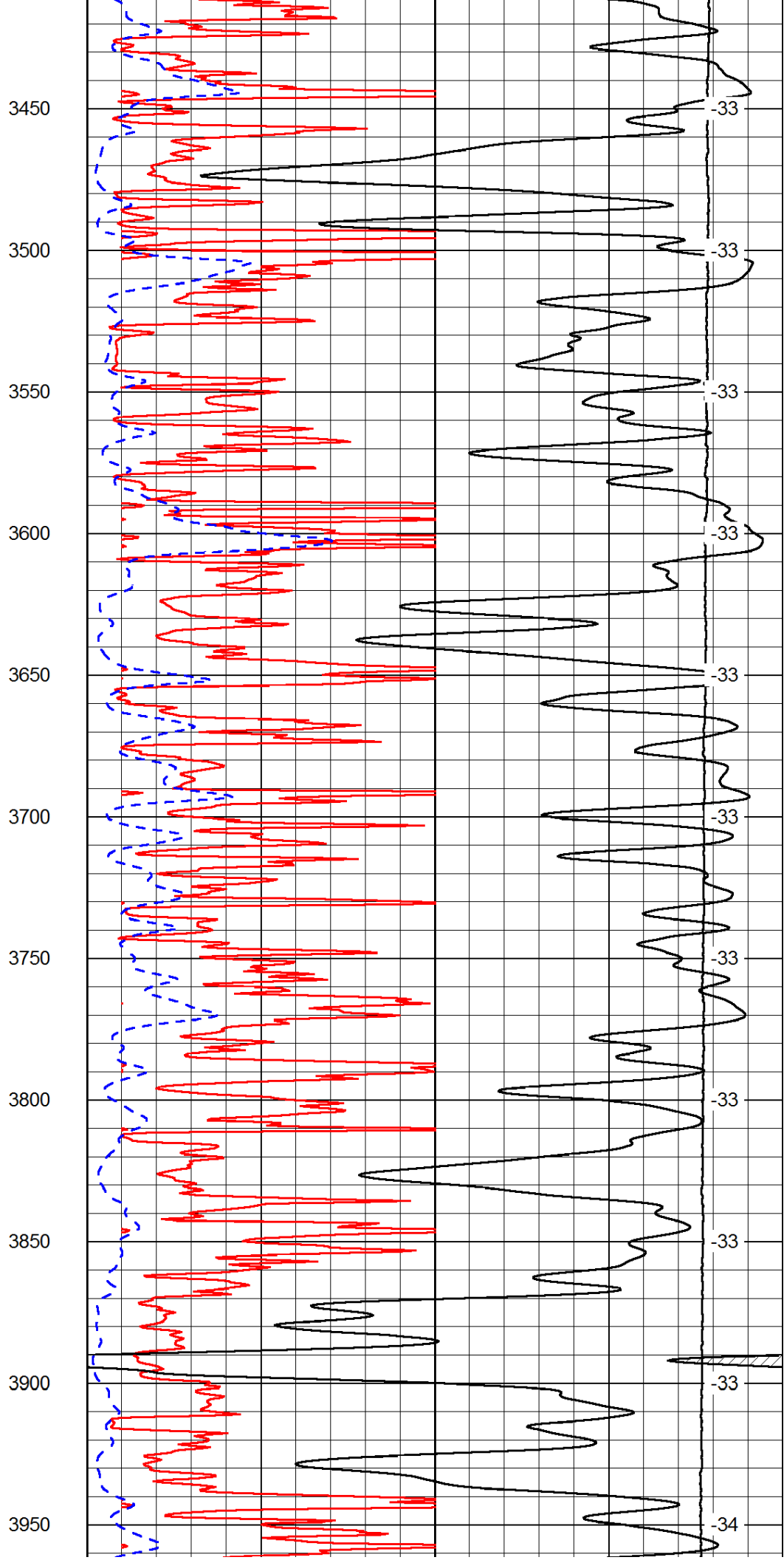
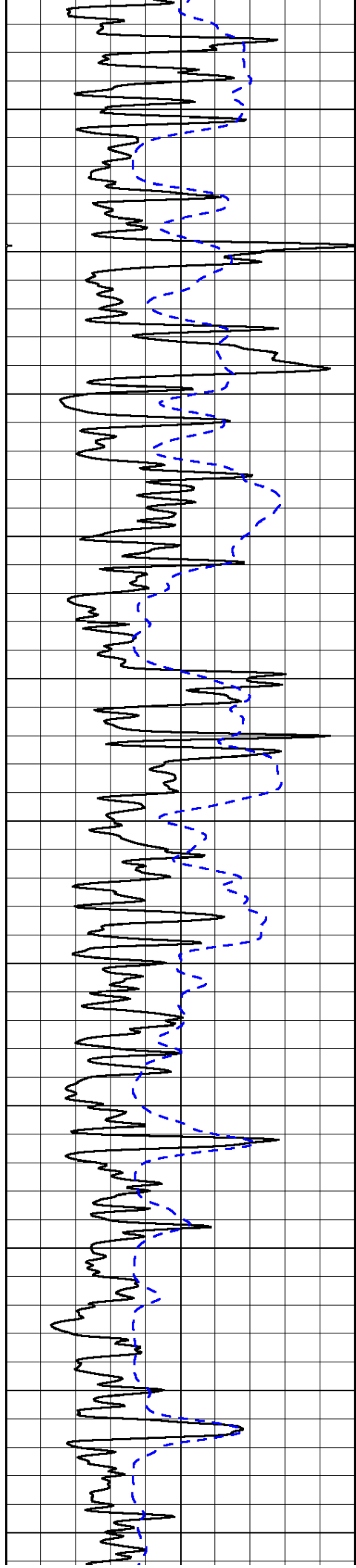
0	Gamma Ray	150
-200	SP (mV)	0

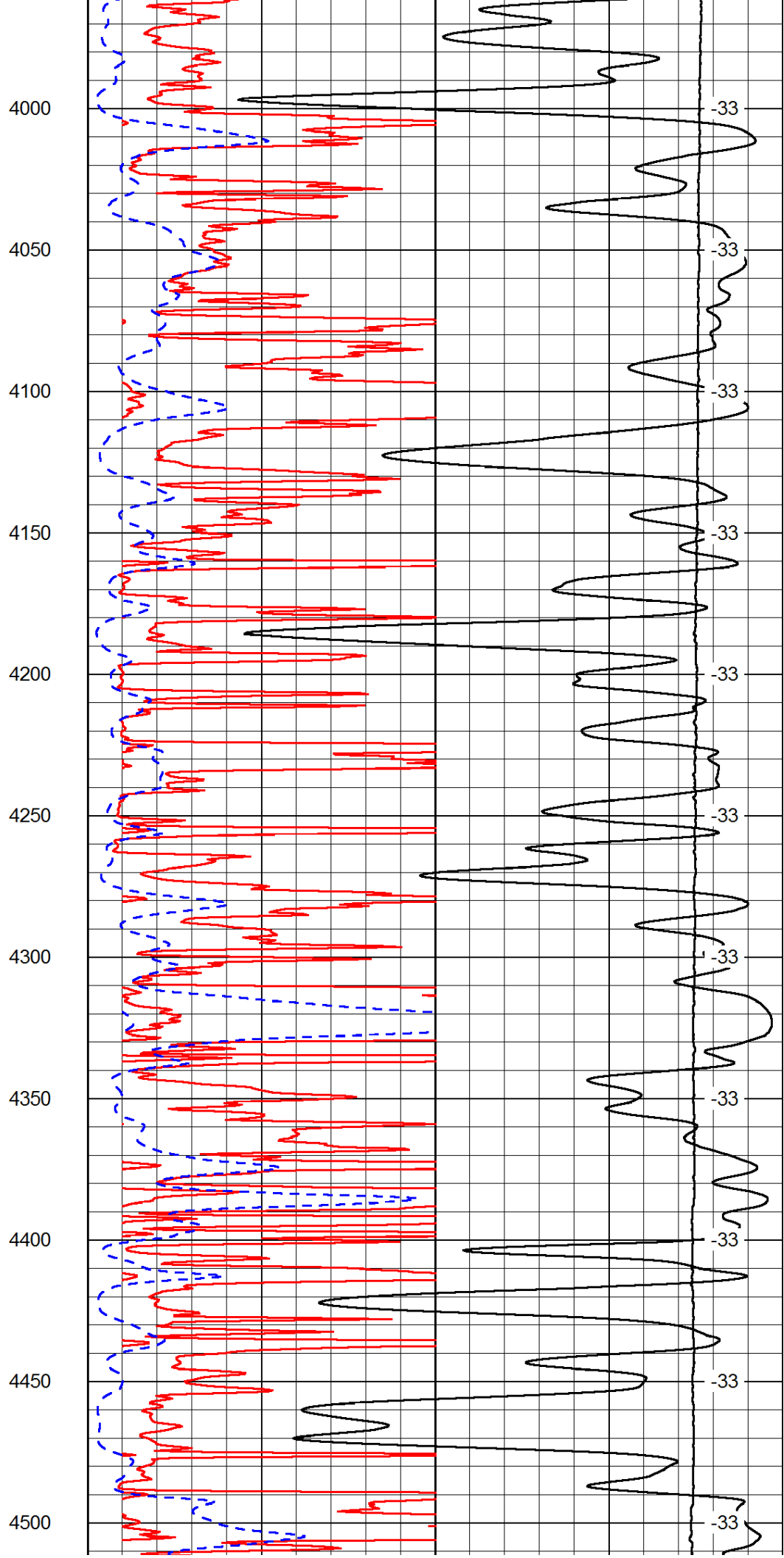
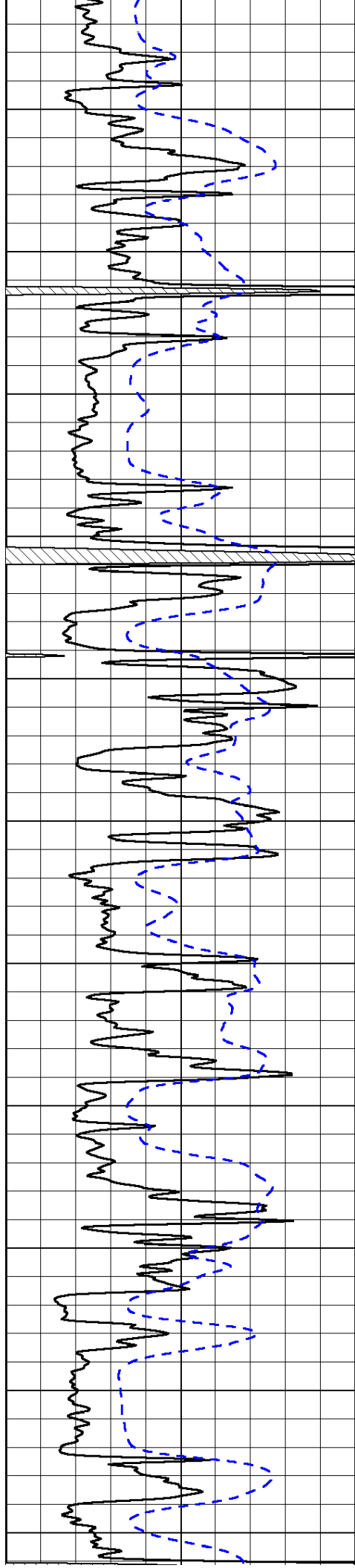
0			Shallow Resistivity	50	LSPD
0			Deep Resistivity	50	
1000			Conductivity		0
15000			Line Tension		0
	50			Shallow Resistivity	500
	50			Deep Resistivity	500

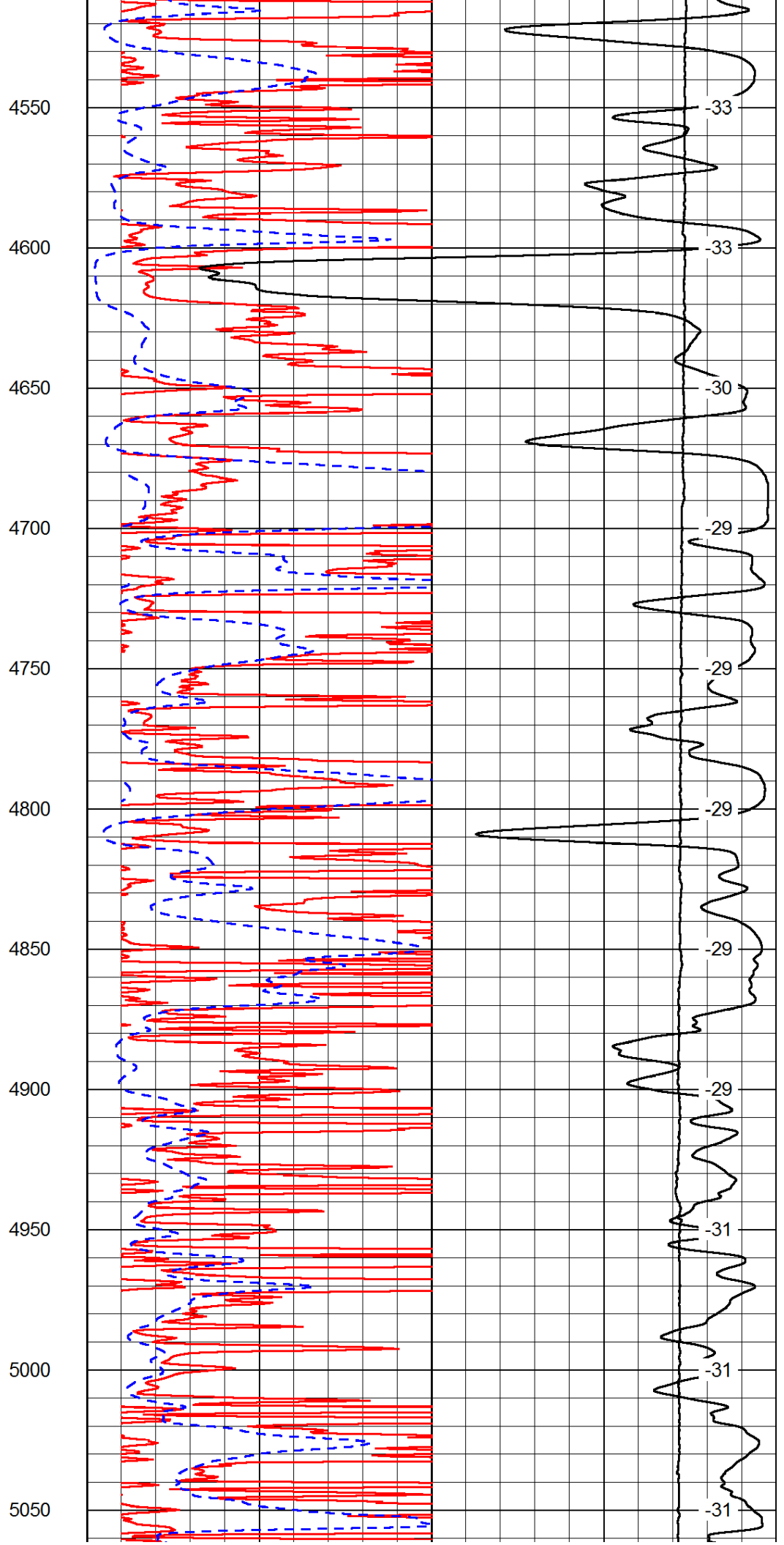
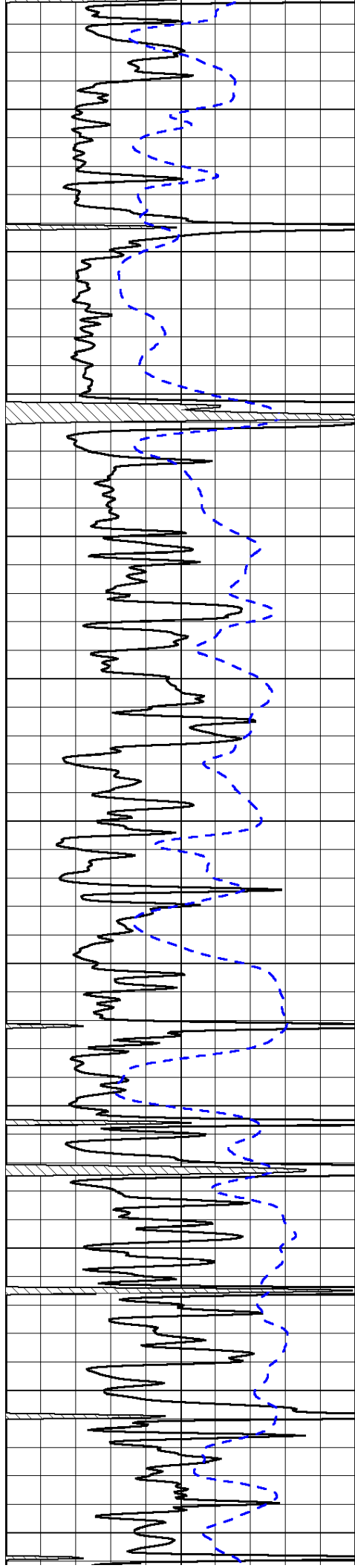


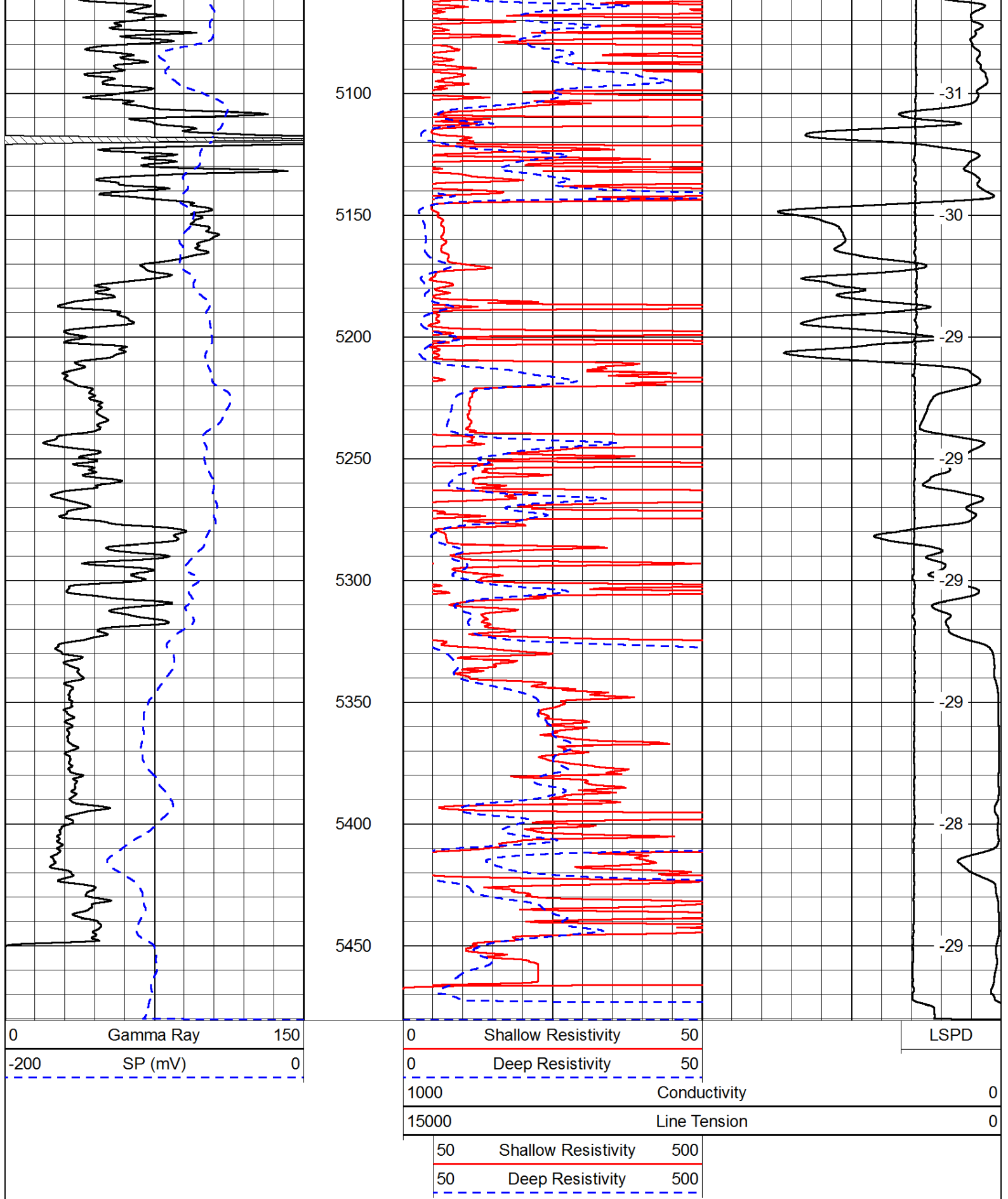






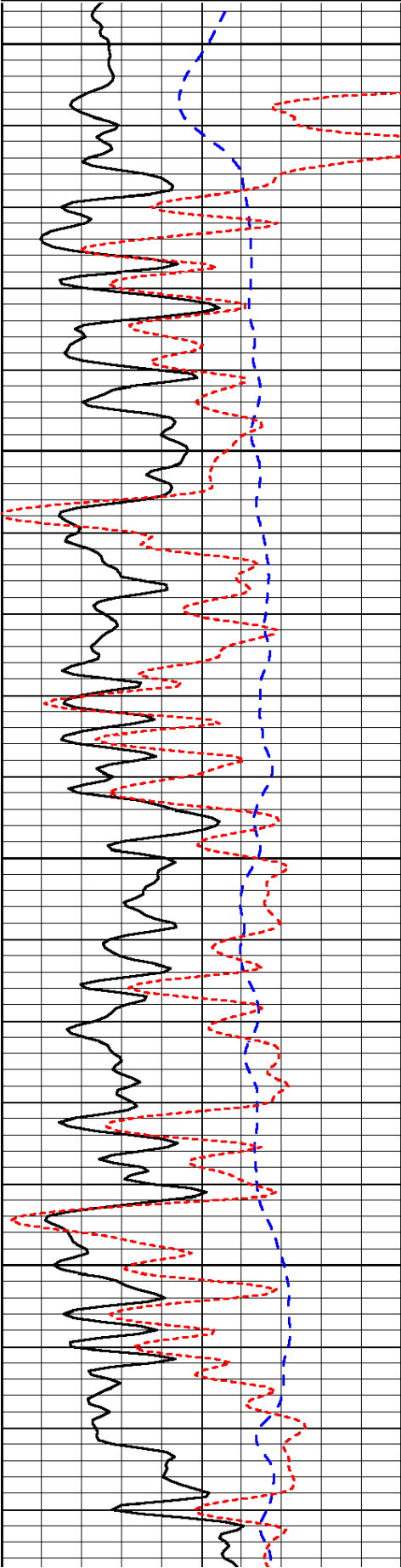






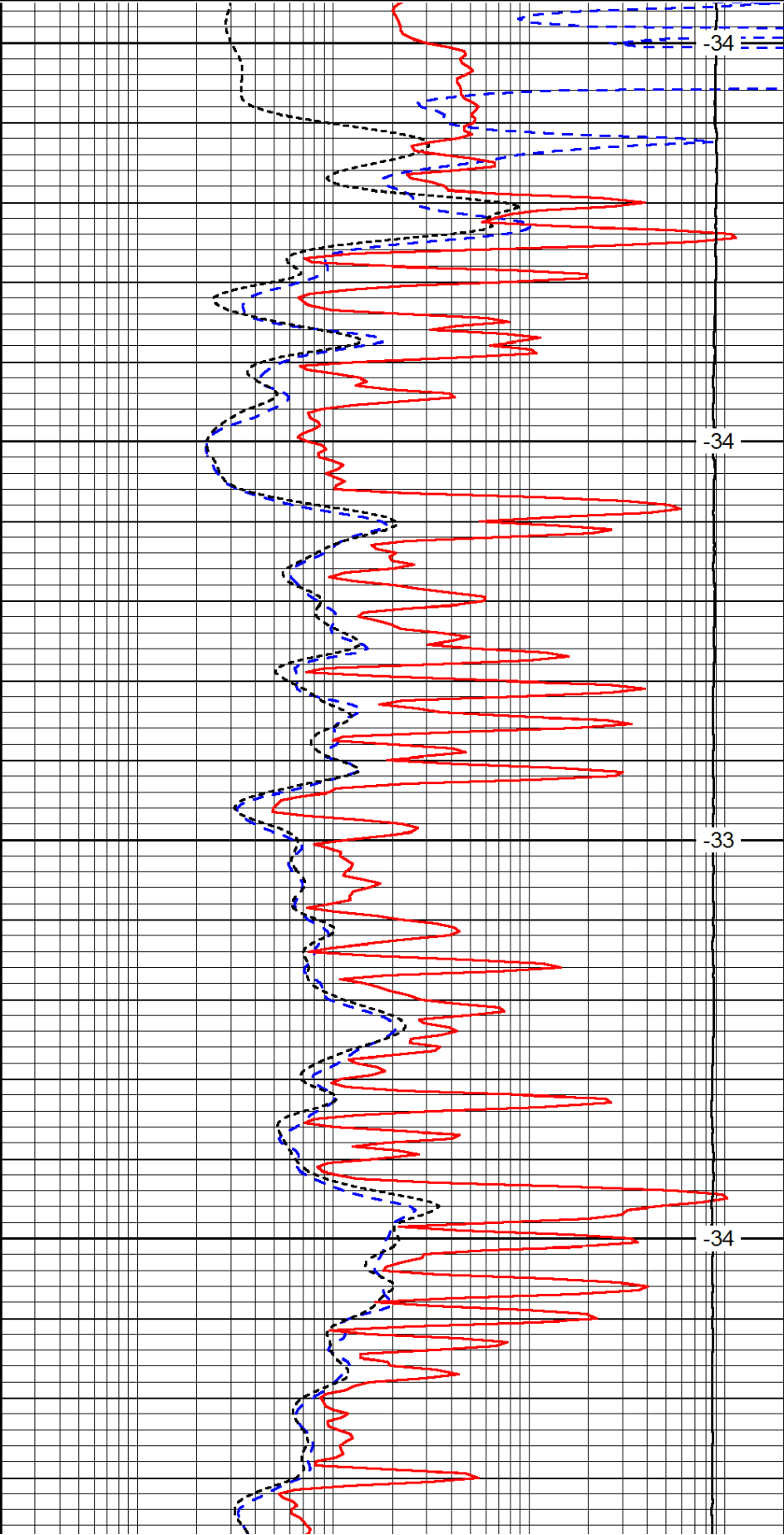
Database File: c:\warrior\data\facon_james koehn #2-31 (nw)\facon_jameskoehn_2-31nwhd.db
Dataset Pathname: dil/falcstck
Presentation Format: dil
Dataset Creation: Sat Jan 12 12:36:08 2013
Charted by: Depth in Feet scaled 1:240

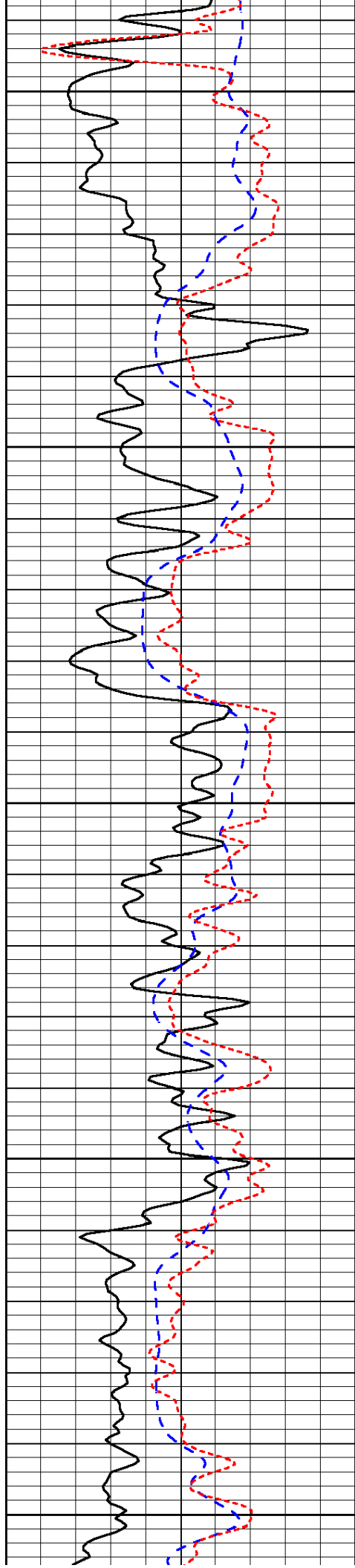
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



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

	LSPD
--	------





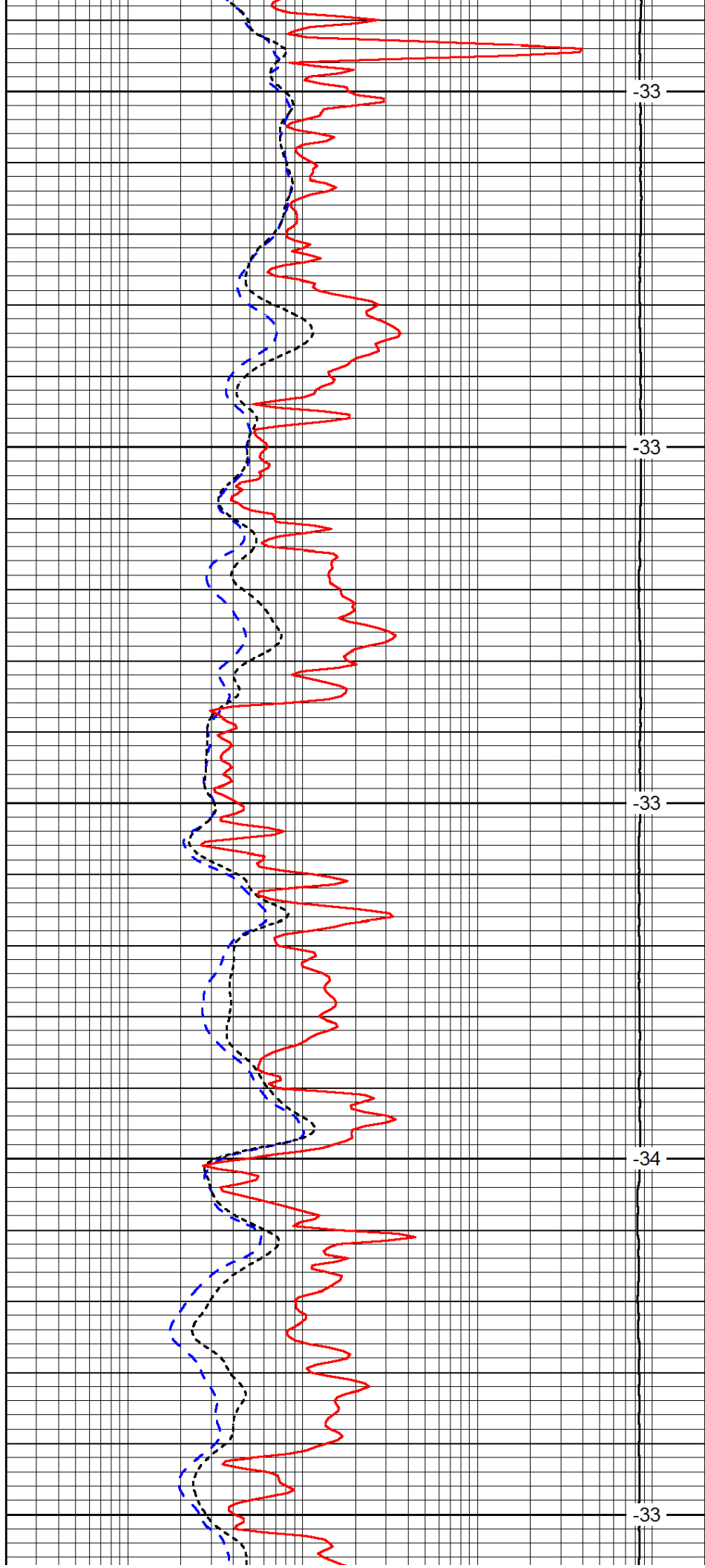
2700

2750

2800

2850

2900



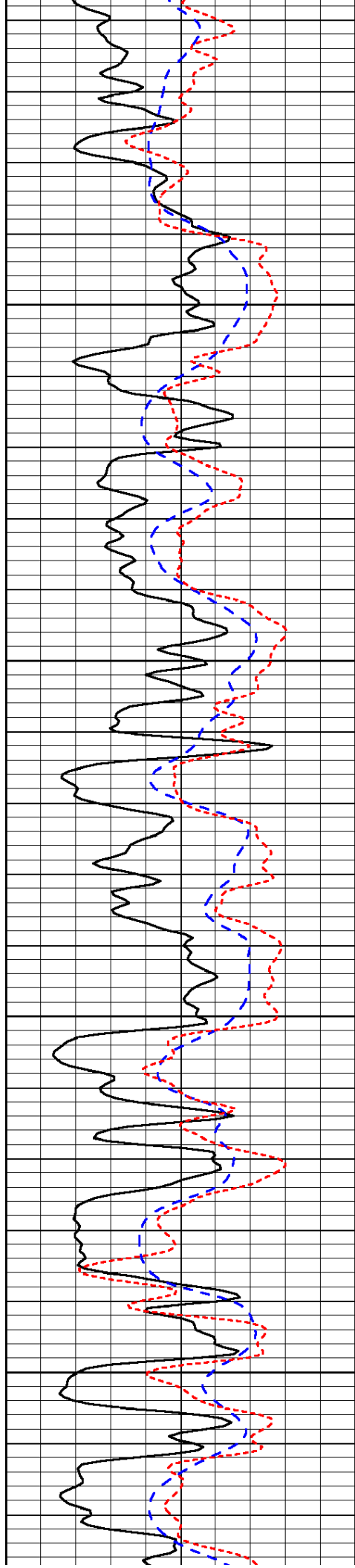
-33

-33

-33

-34

-33

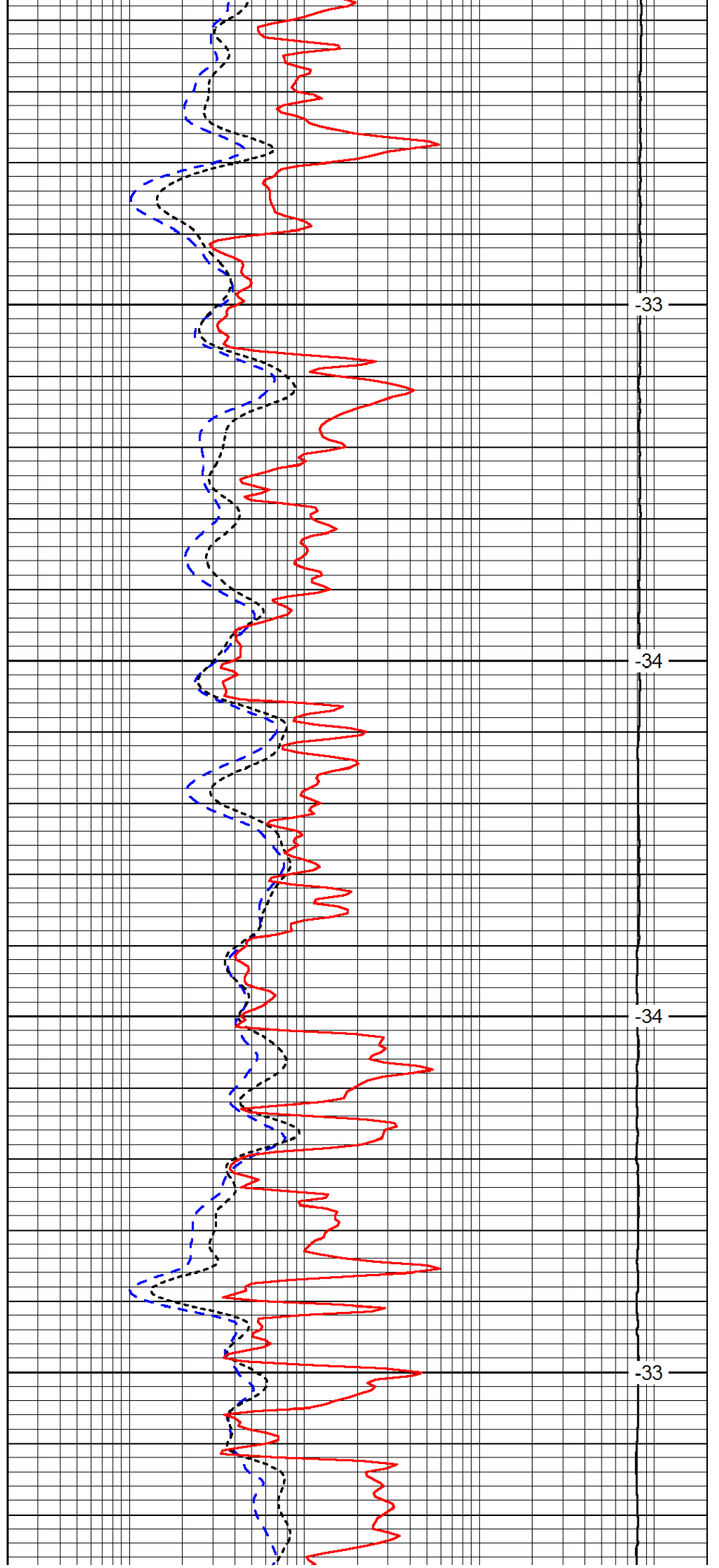


2950

3000

3050

3100

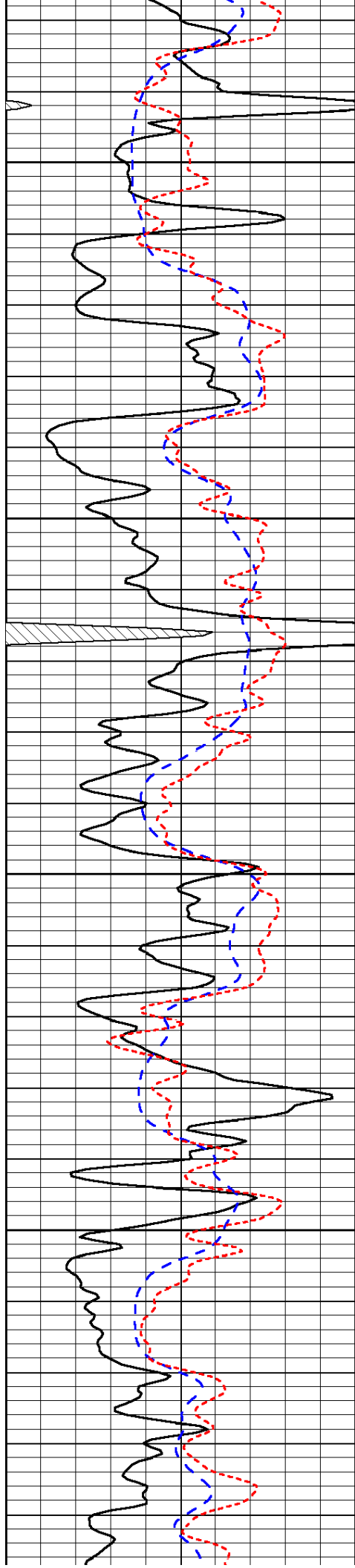


-33

-34

-34

-33

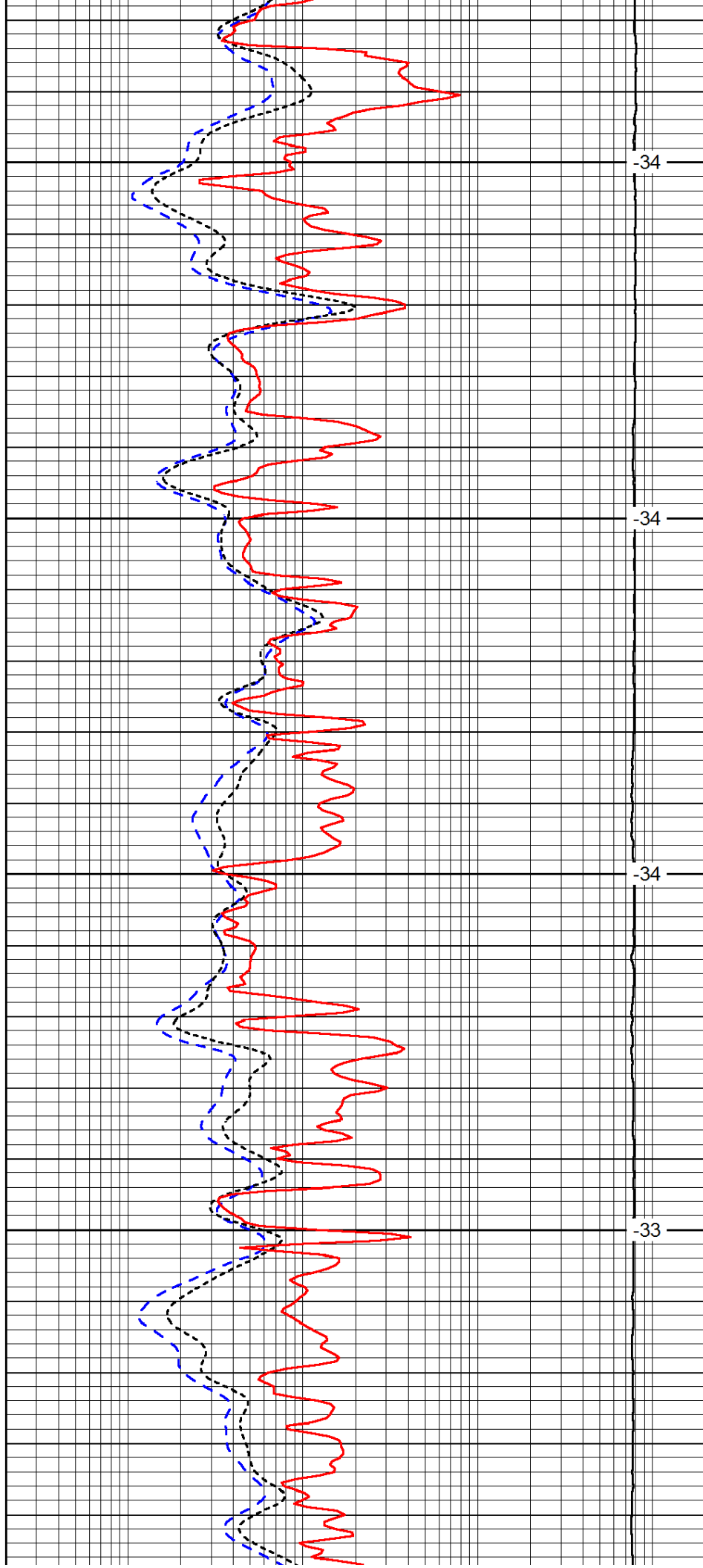


3150

3200

3250

3300

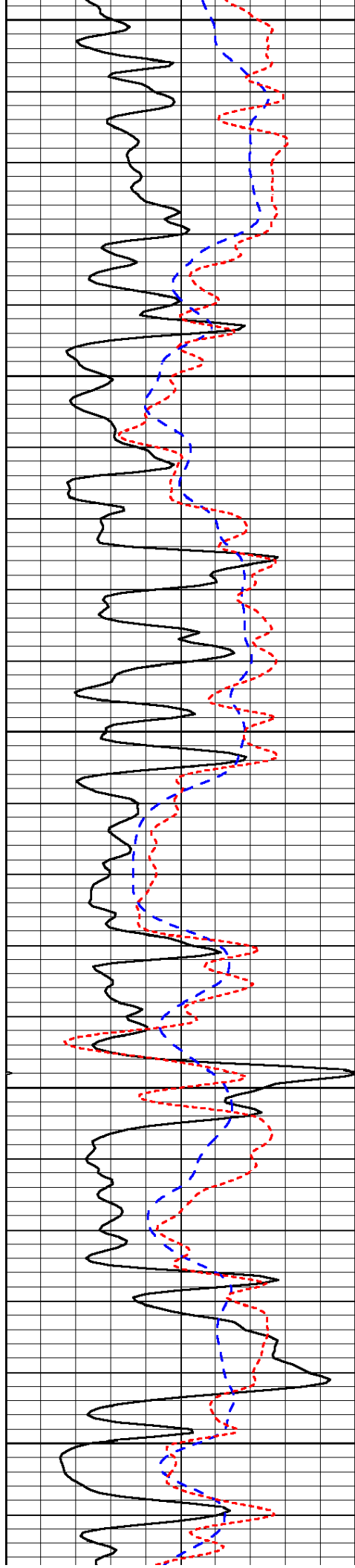


-34

-34

-34

-33



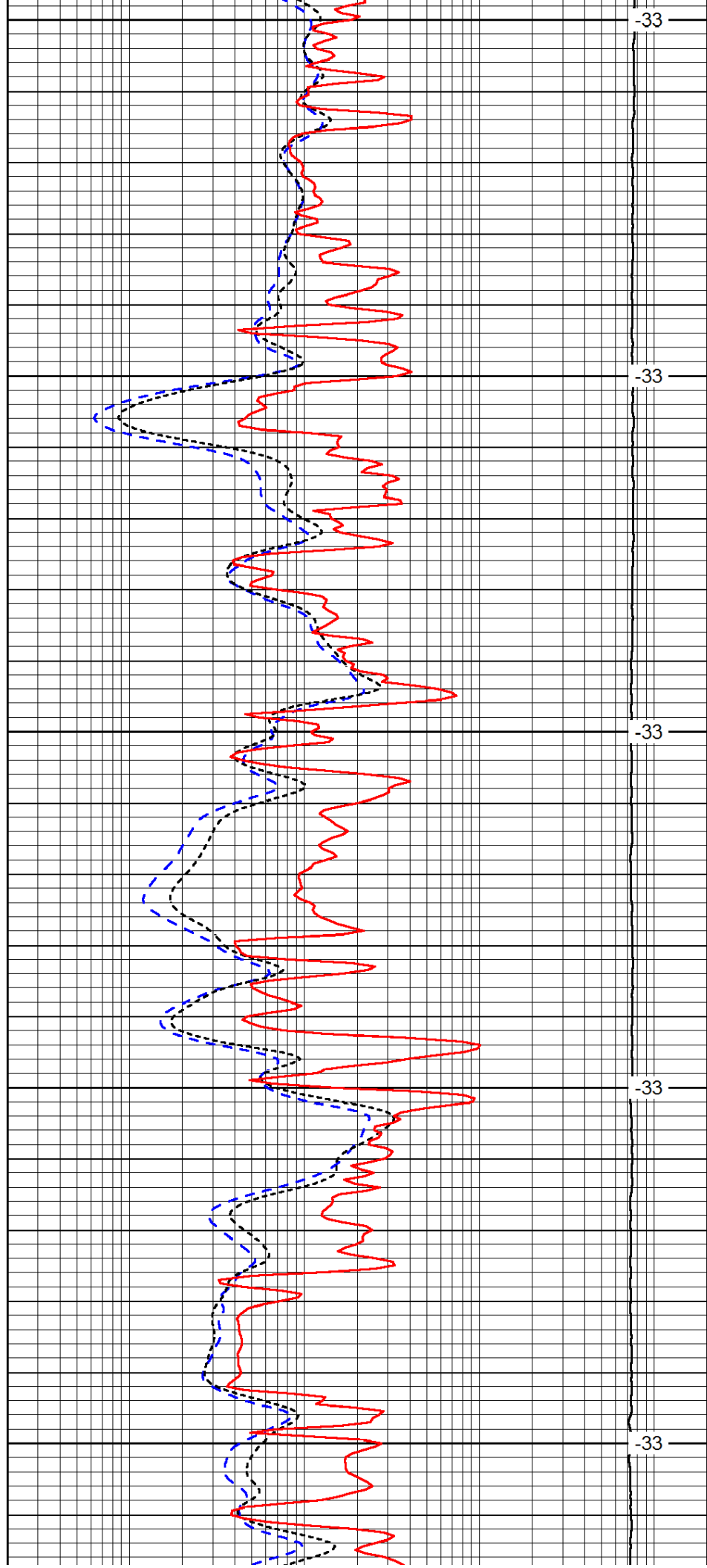
3350

3400

3450

3500

3550



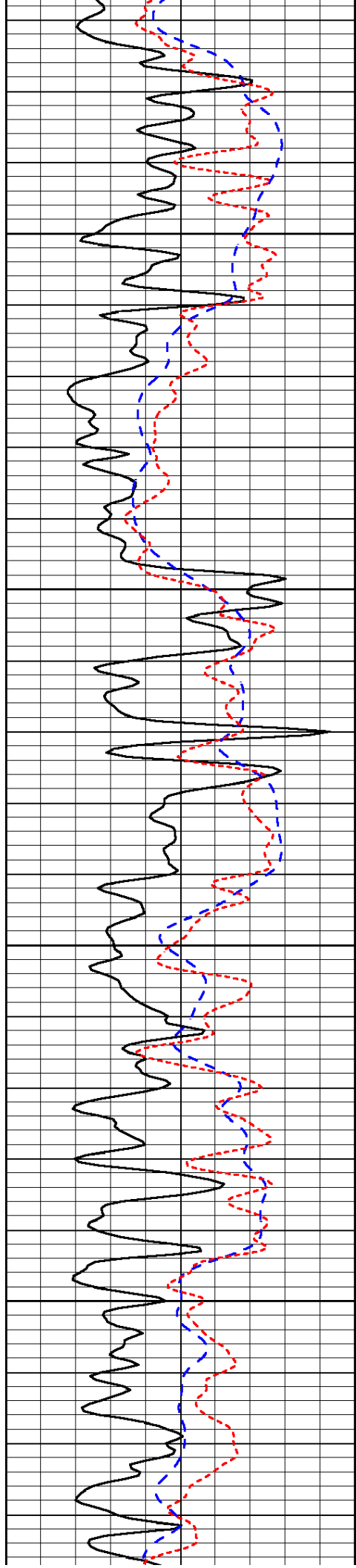
-33

-33

-33

-33

-33

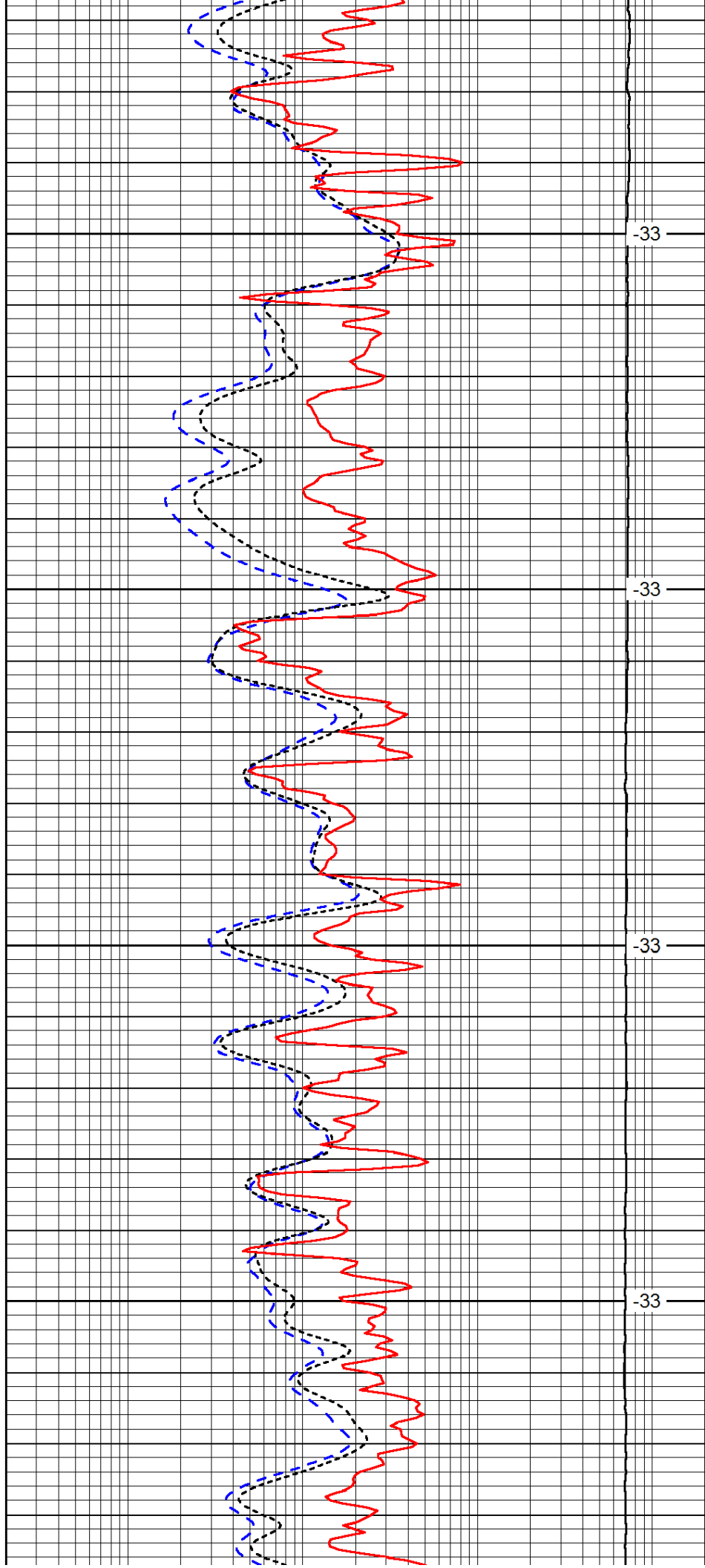


3600

3650

3700

3750

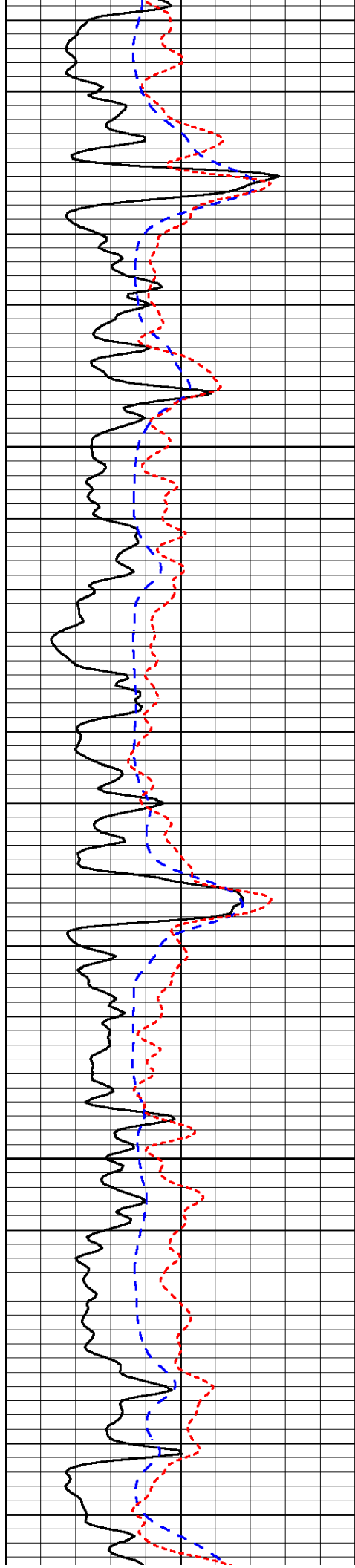


-33

-33

-33

-33



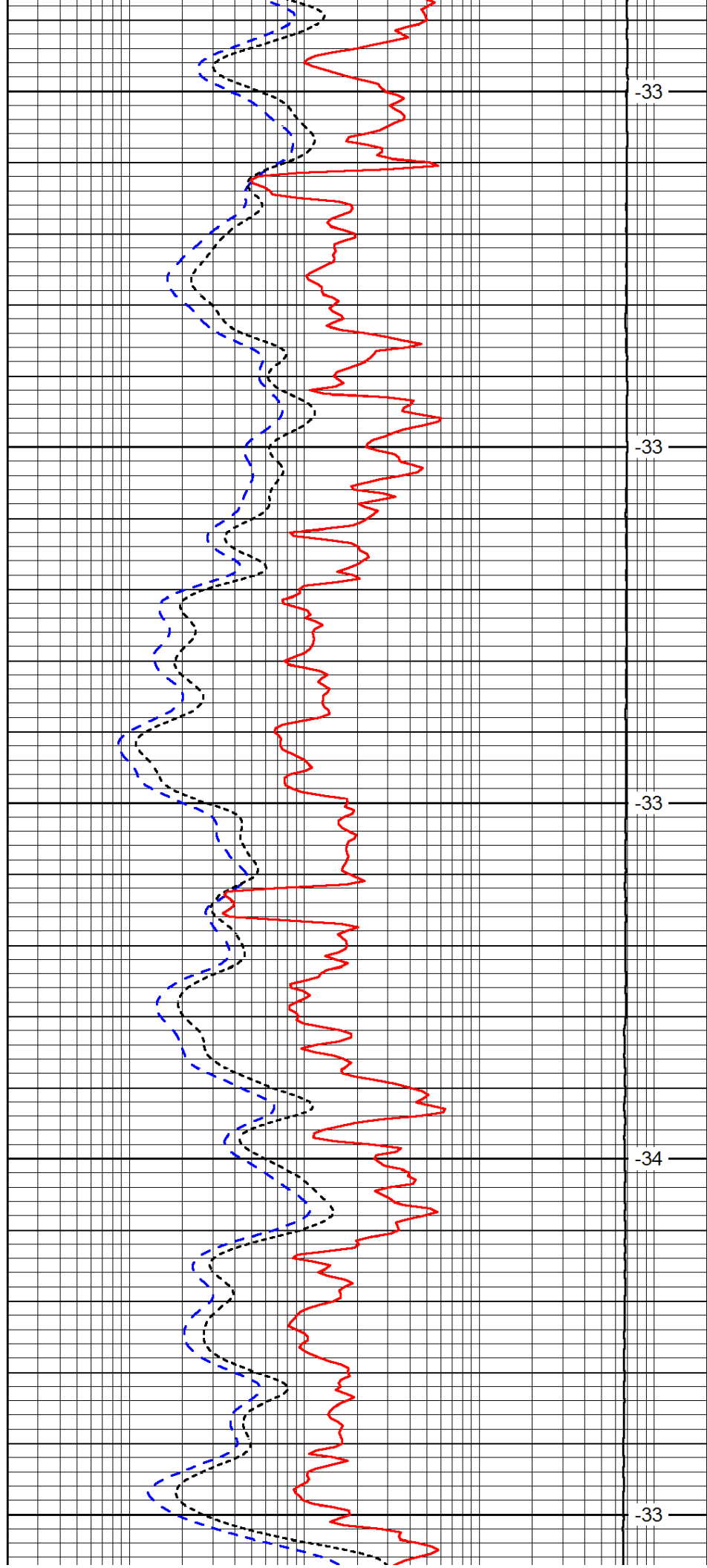
3800

3850

3900

3950

4000



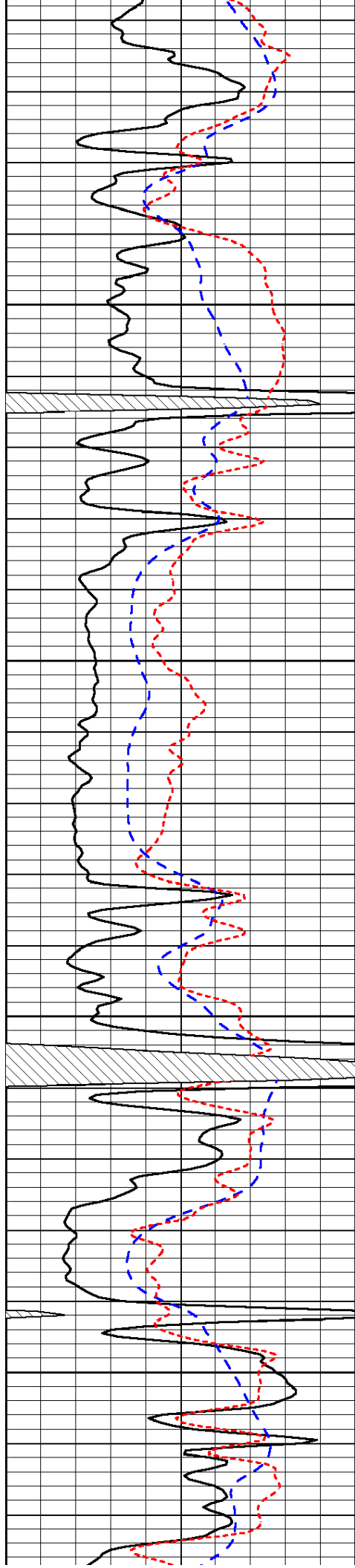
-33

-33

-33

-34

-33

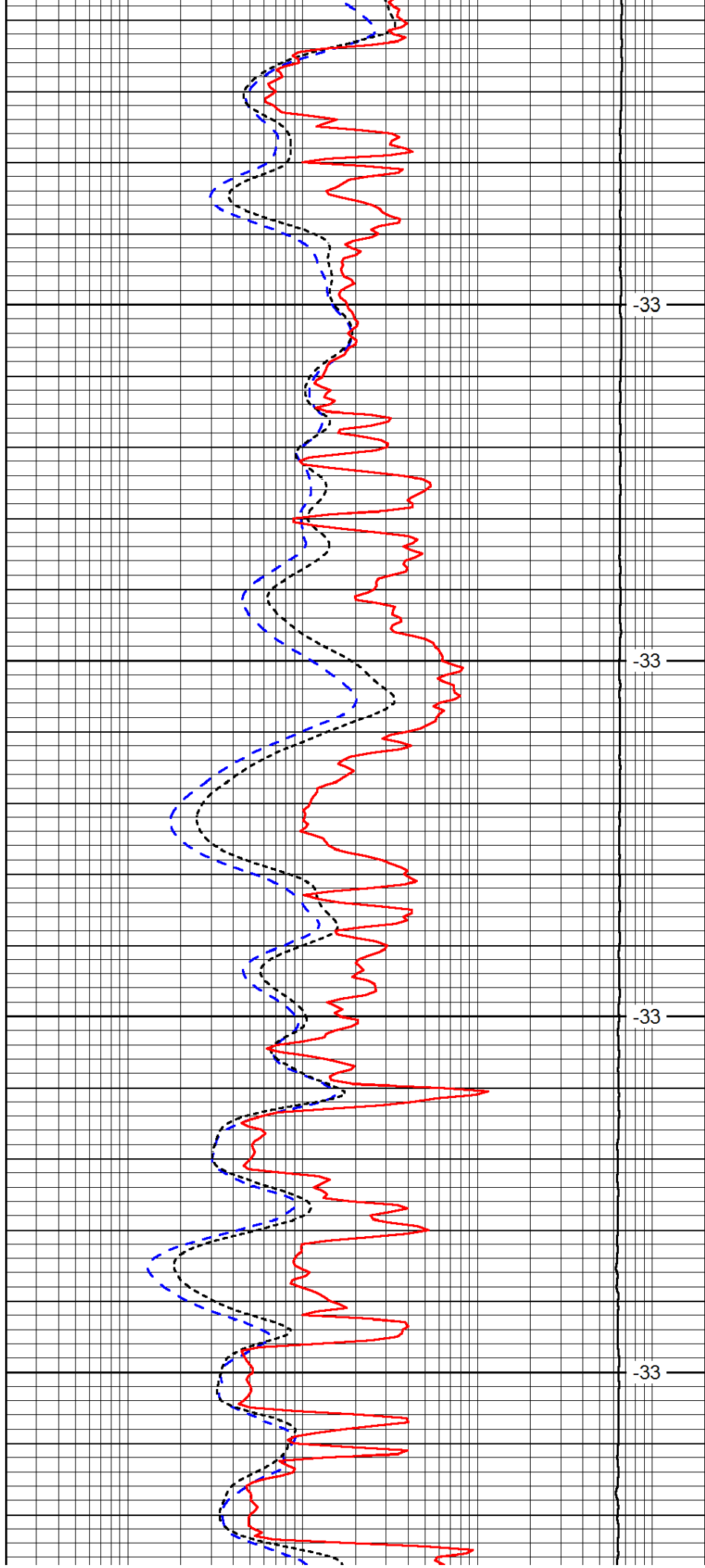


4050

4100

4150

4200

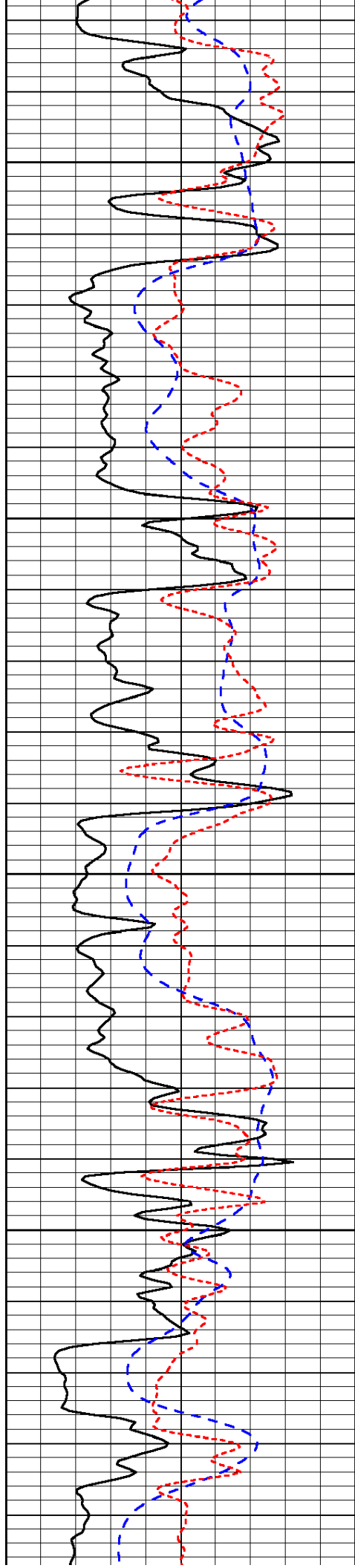


-33

-33

-33

-33

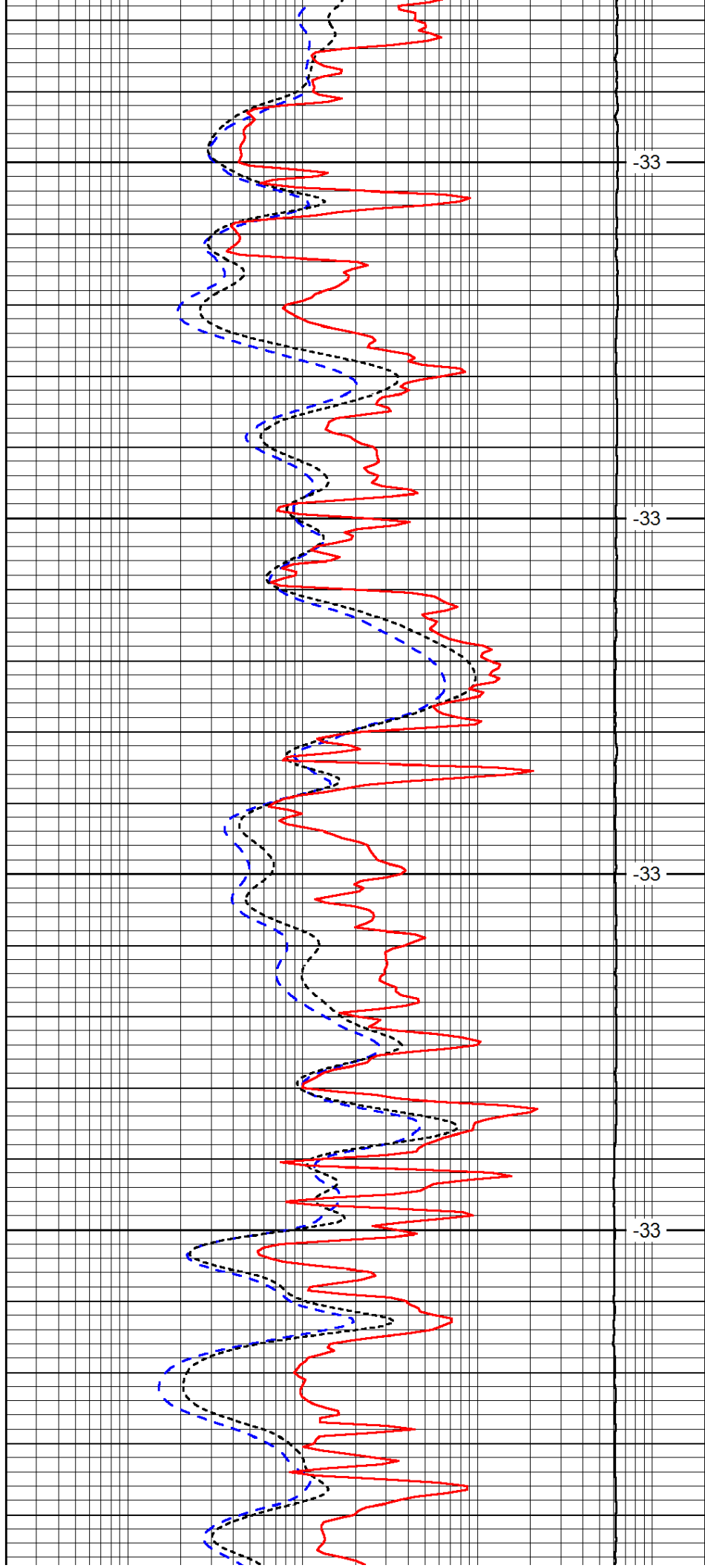


4250

4300

4350

4400

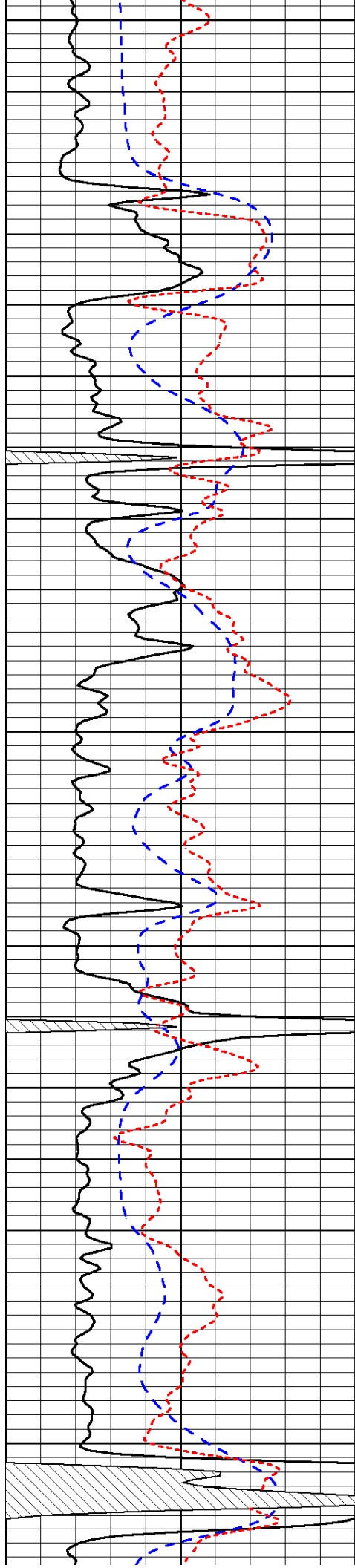


-33

-33

-33

-33



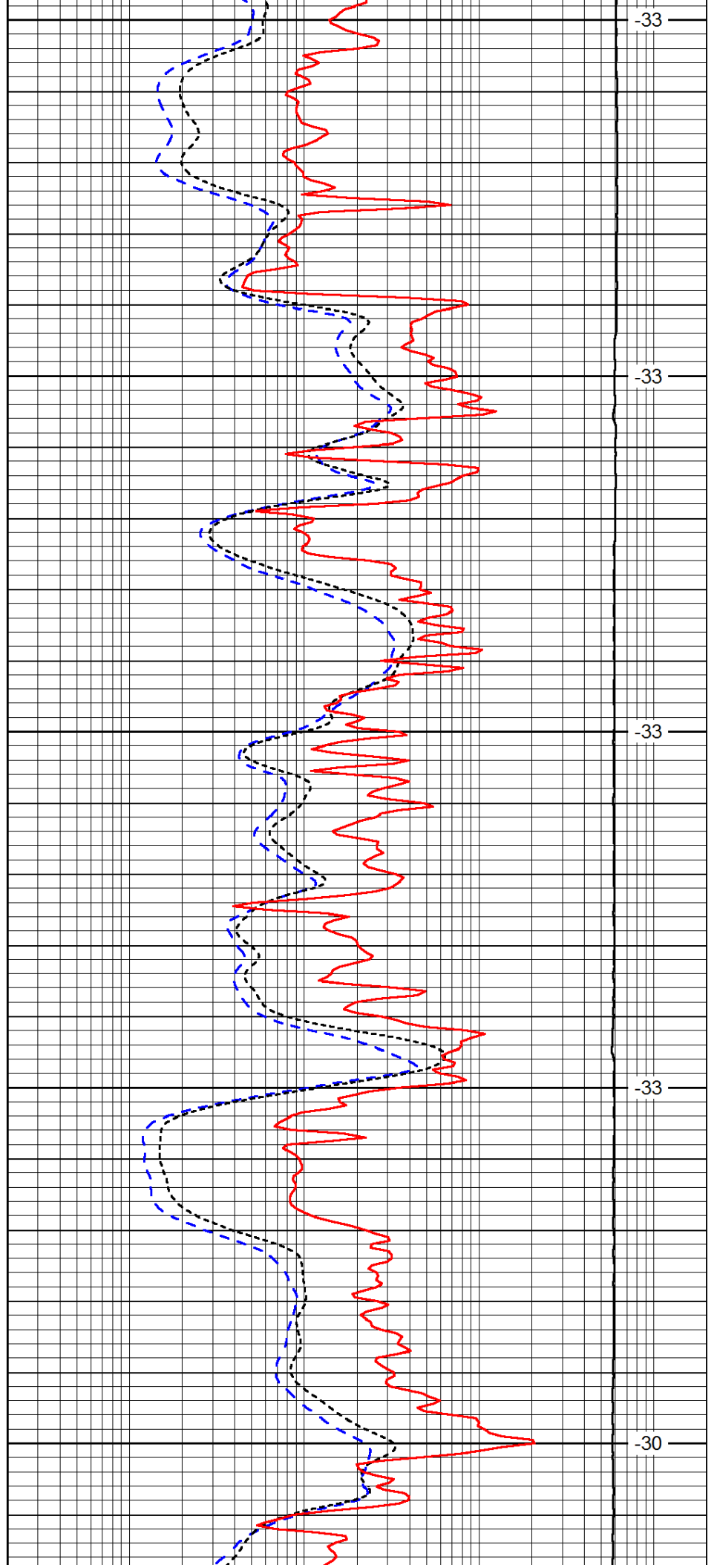
4450

4500

4550

4600

4650



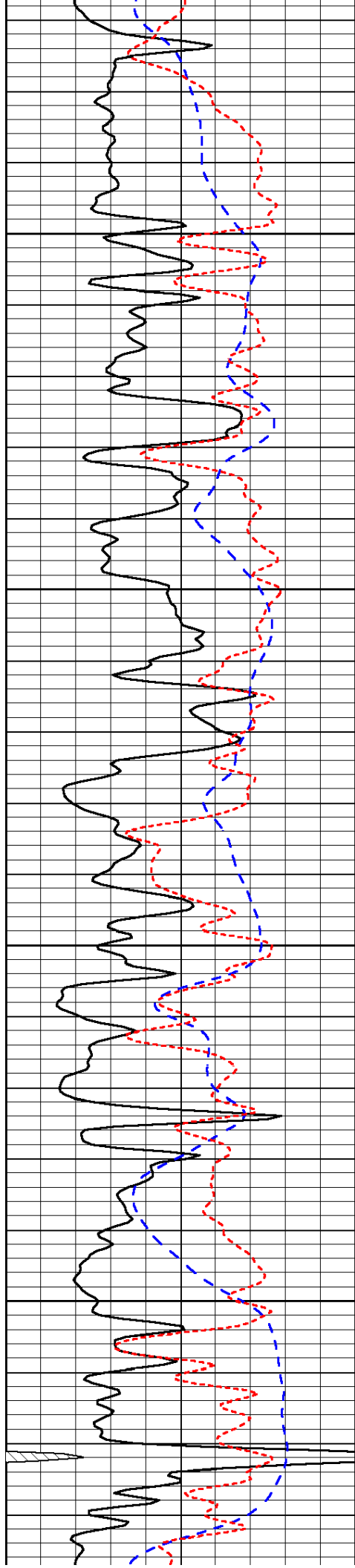
-33

-33

-33

-33

-30

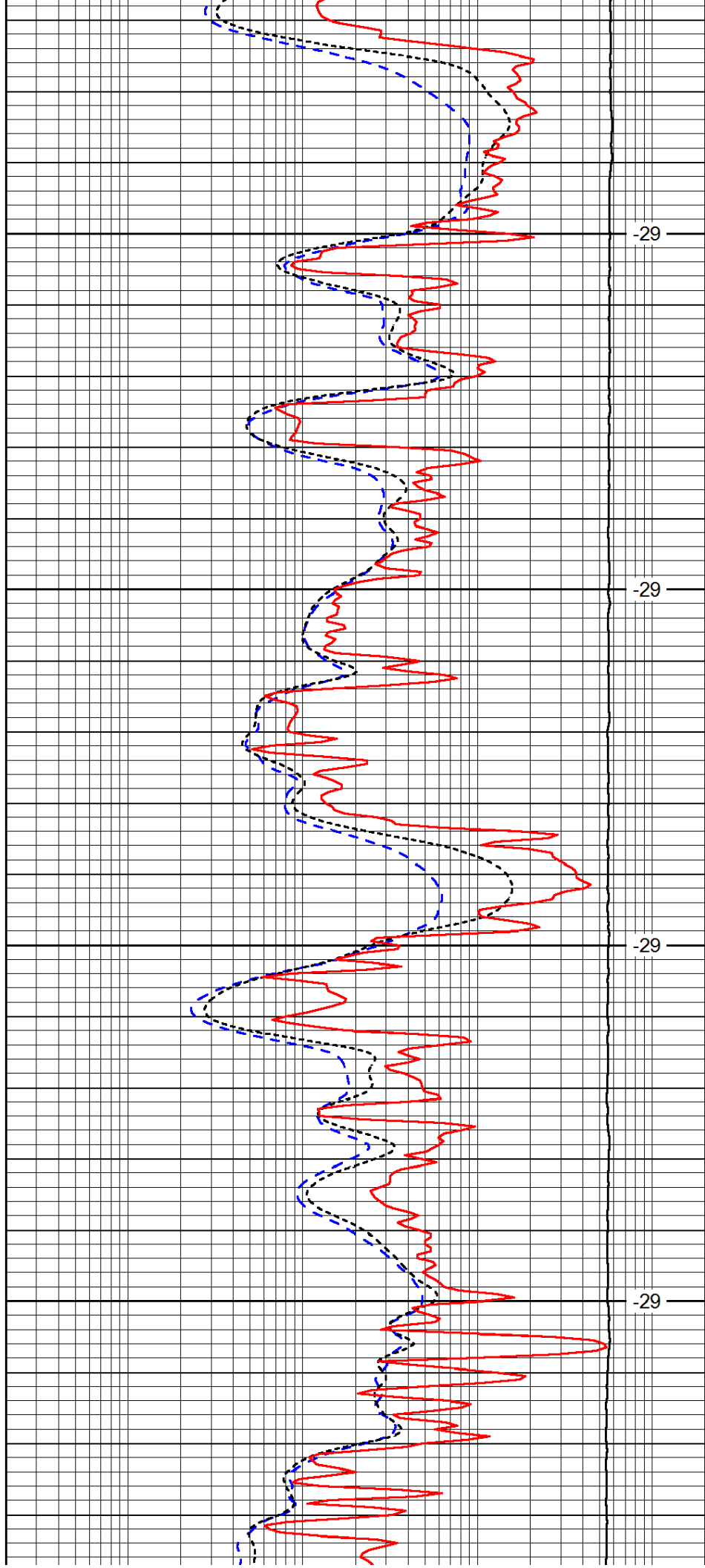


4700

4750

4800

4850

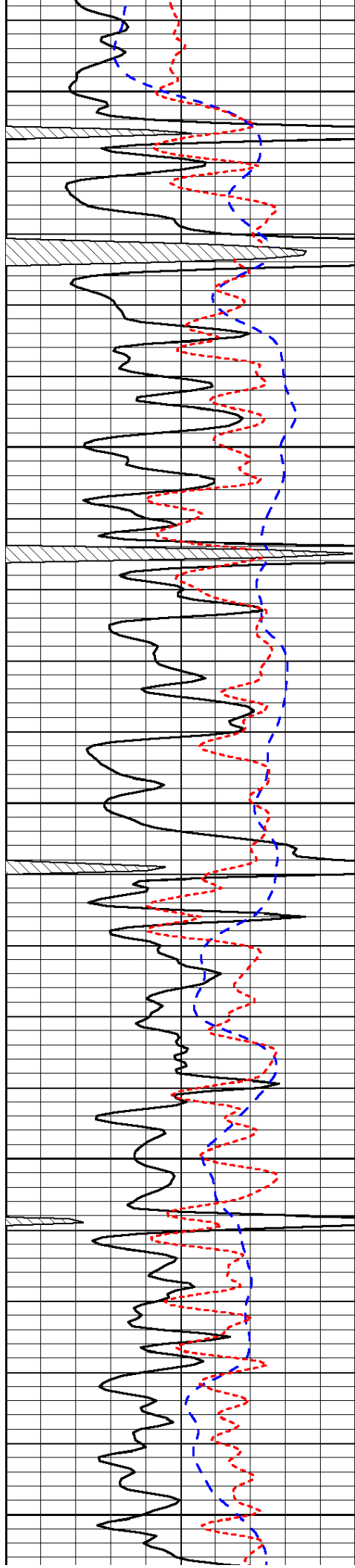


-29

-29

-29

-29



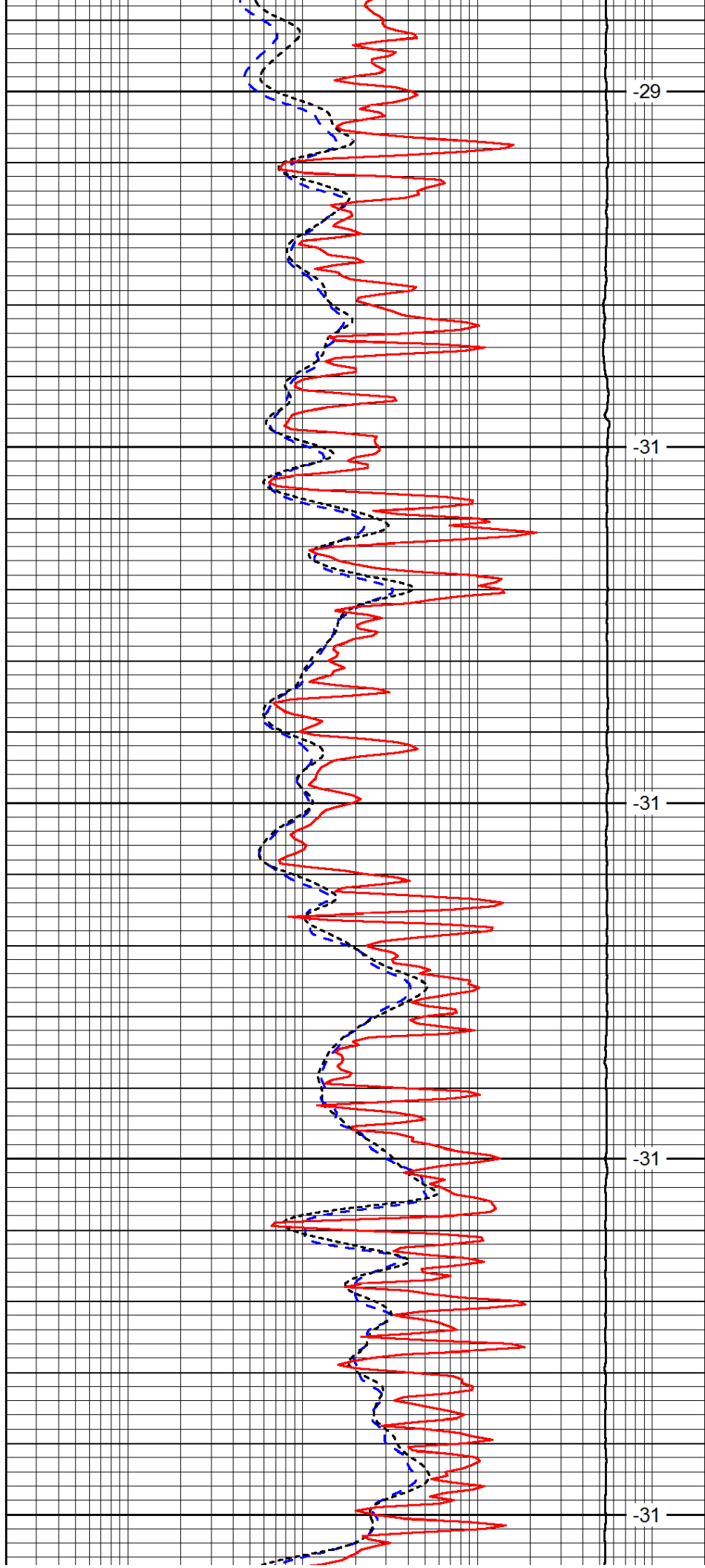
4900

4950

5000

5050

5100



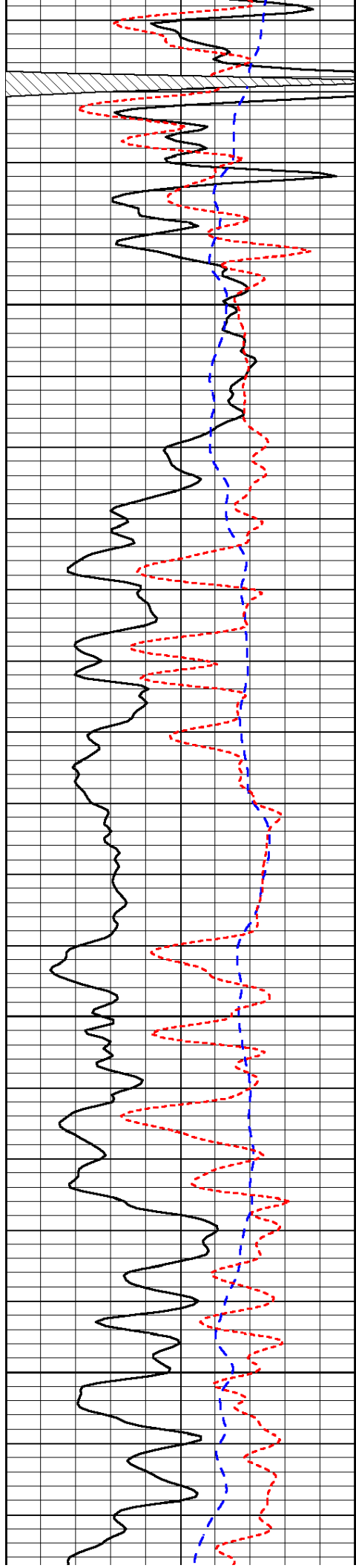
-29

-31

-31

-31

-31

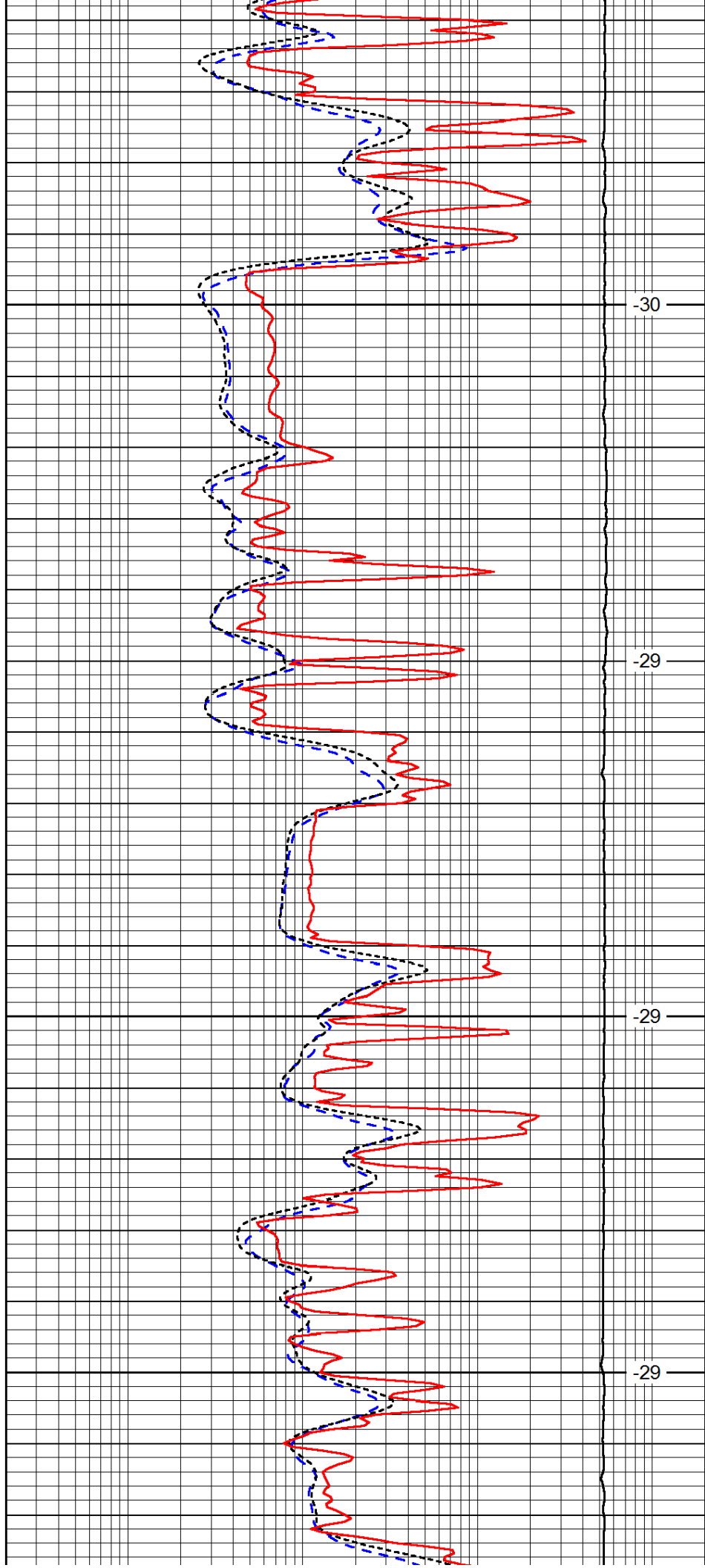


5150

5200

5250

5300

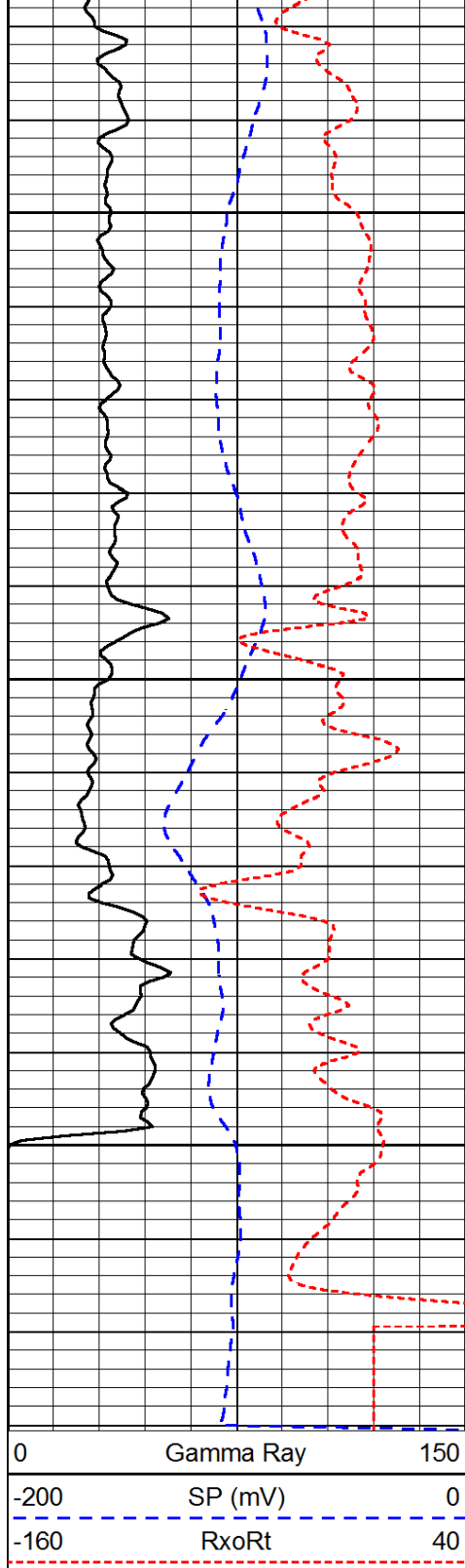


-30

-29

-29

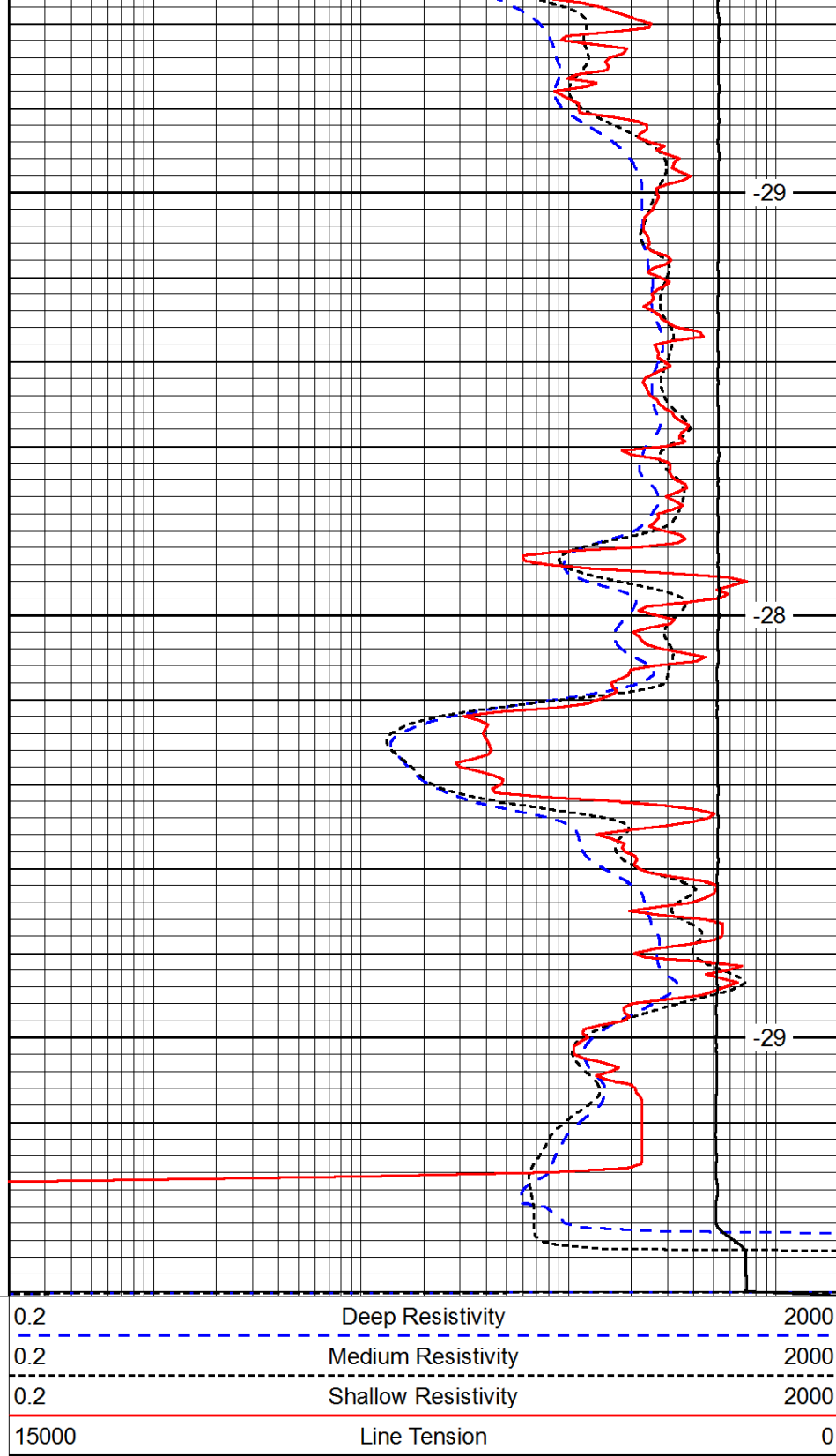
-29



5350

5400

5450



-29

-28

-29

LSPD