



Dual Induction Log

Pioneer Energy Services

API No.

15-159-22,729-00-00

Company **Carrie Exploration & Development**

Well **Loesch #C-1**

Field

County **Rice**

State

Kansas

Location

2,008' FSL & 733' FEL

Sec: **22**

Twp: **20S**

Rge: **10W**

Elevation

K.B. 1826
D.F. 1818
G.L. 1818

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1818
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

3/6/2013

Run Number

One

Depth Driller

3475

Depth Logger

3477

Bottom Logged Interval

3476

Top Log Interval

250

Casing Driller

8.625 @ 261

Casing Logger

261

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

N/A

Density / Viscosity

9.0 48

pH / Fluid Loss

N/A N/A

Source of Sample

Flowline

Rm @ Meas. Temp

.40 @ 74

Rmf @ Meas. Temp

.30 @ 74

Rmc @ Meas. Temp

.54 @ 74

Source of Rmf / Rmc

Charts

Rm @ BHT

.27 @ 111

Operating Rig Time

4 Hours

Max Rec. Temp. F

111

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Herb Deines

Recorded By

Ron Herold

<<< 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

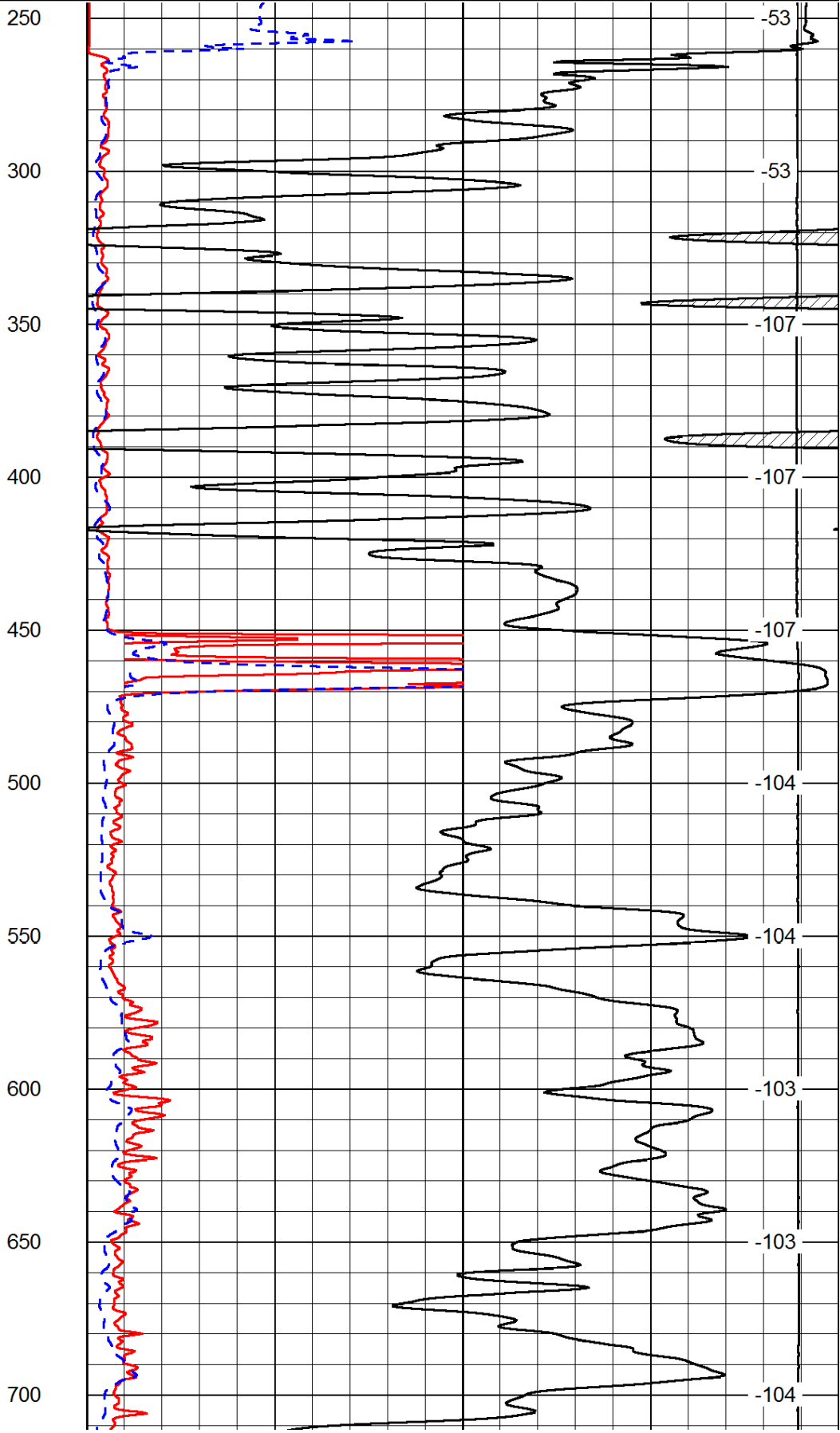
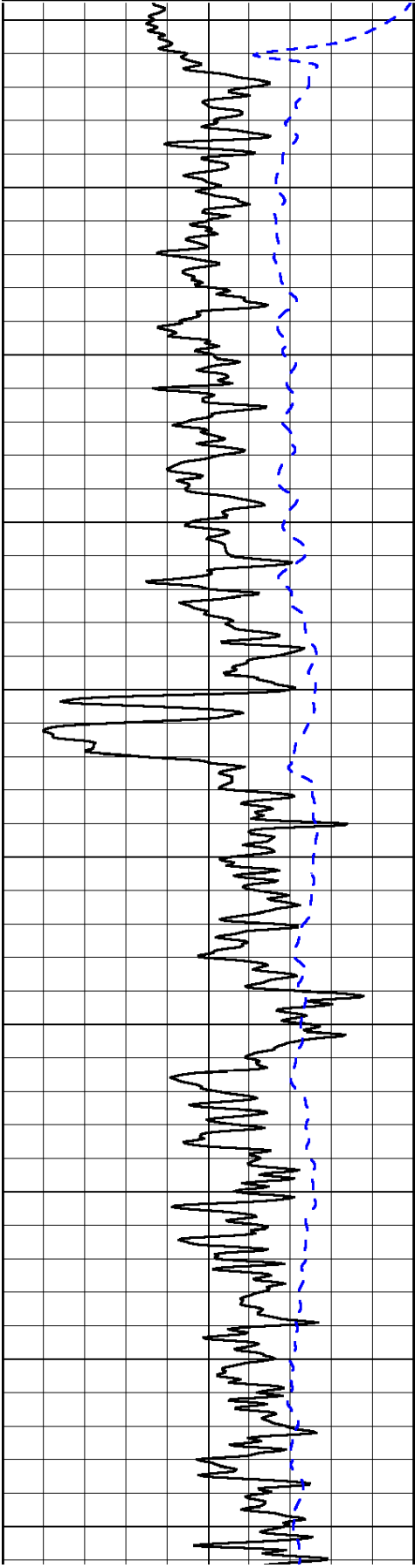
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

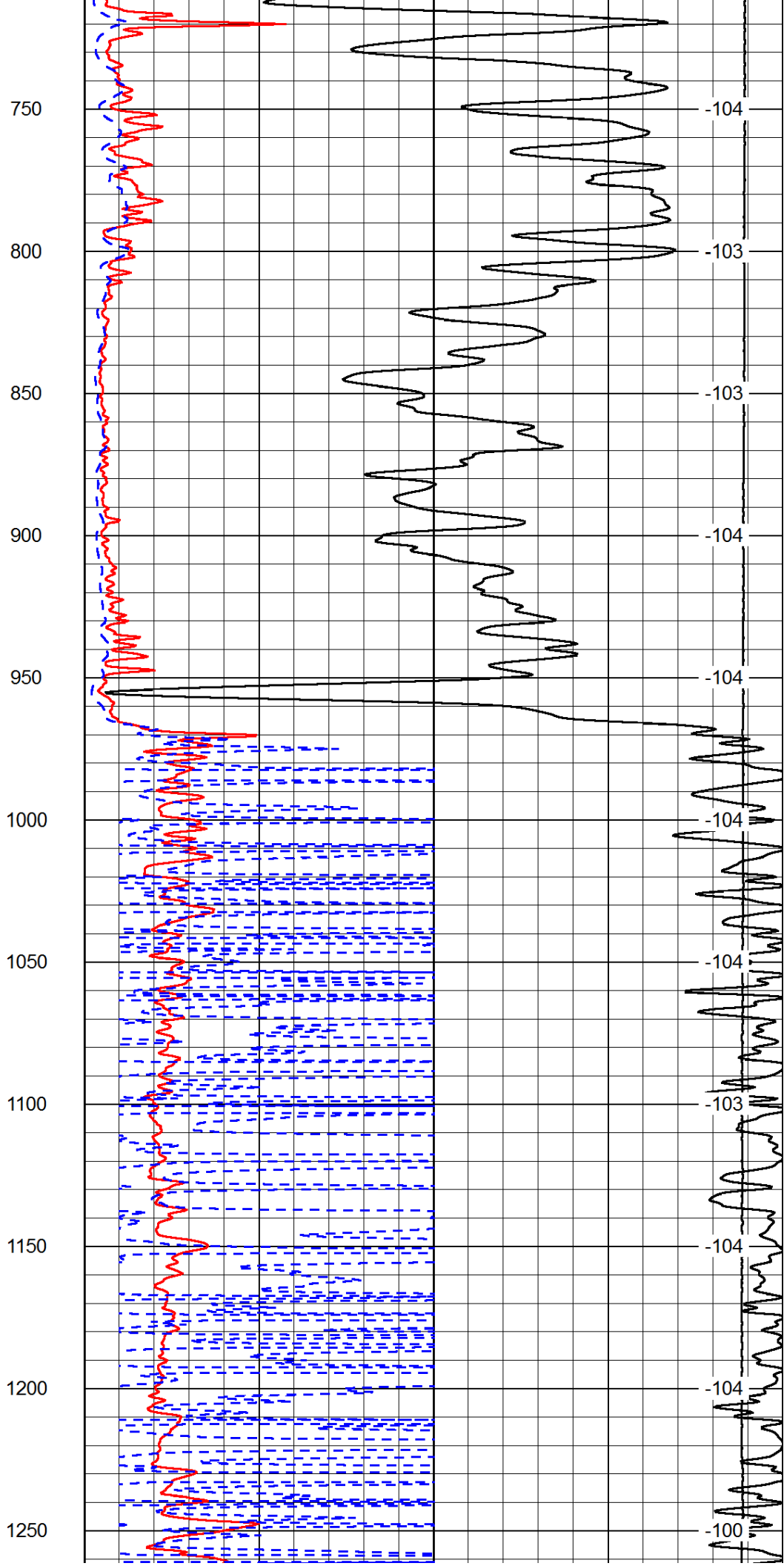
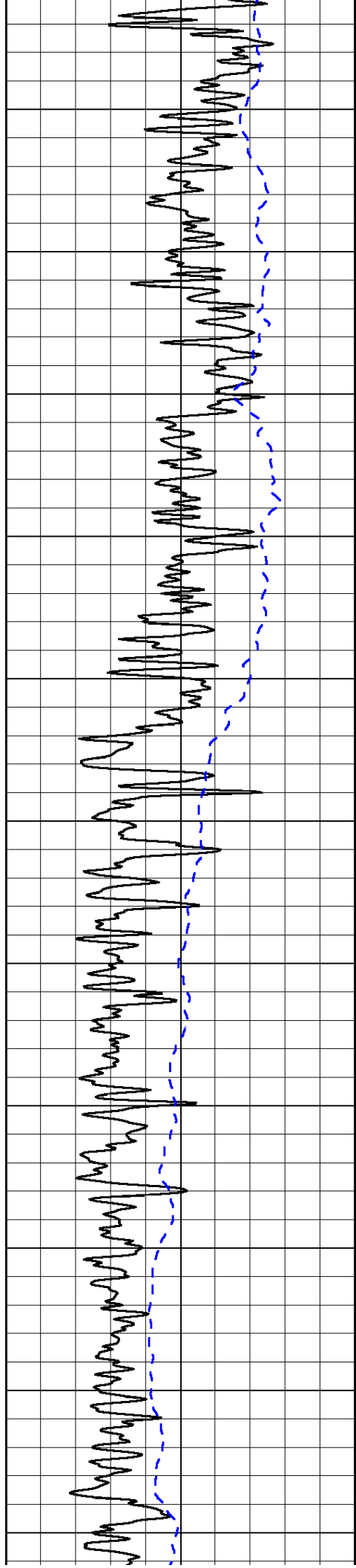
Ellinwood, East to County Line, 3 East to 4th Road, 3 South to P Road, 1 East, 3/4 South,
West Into

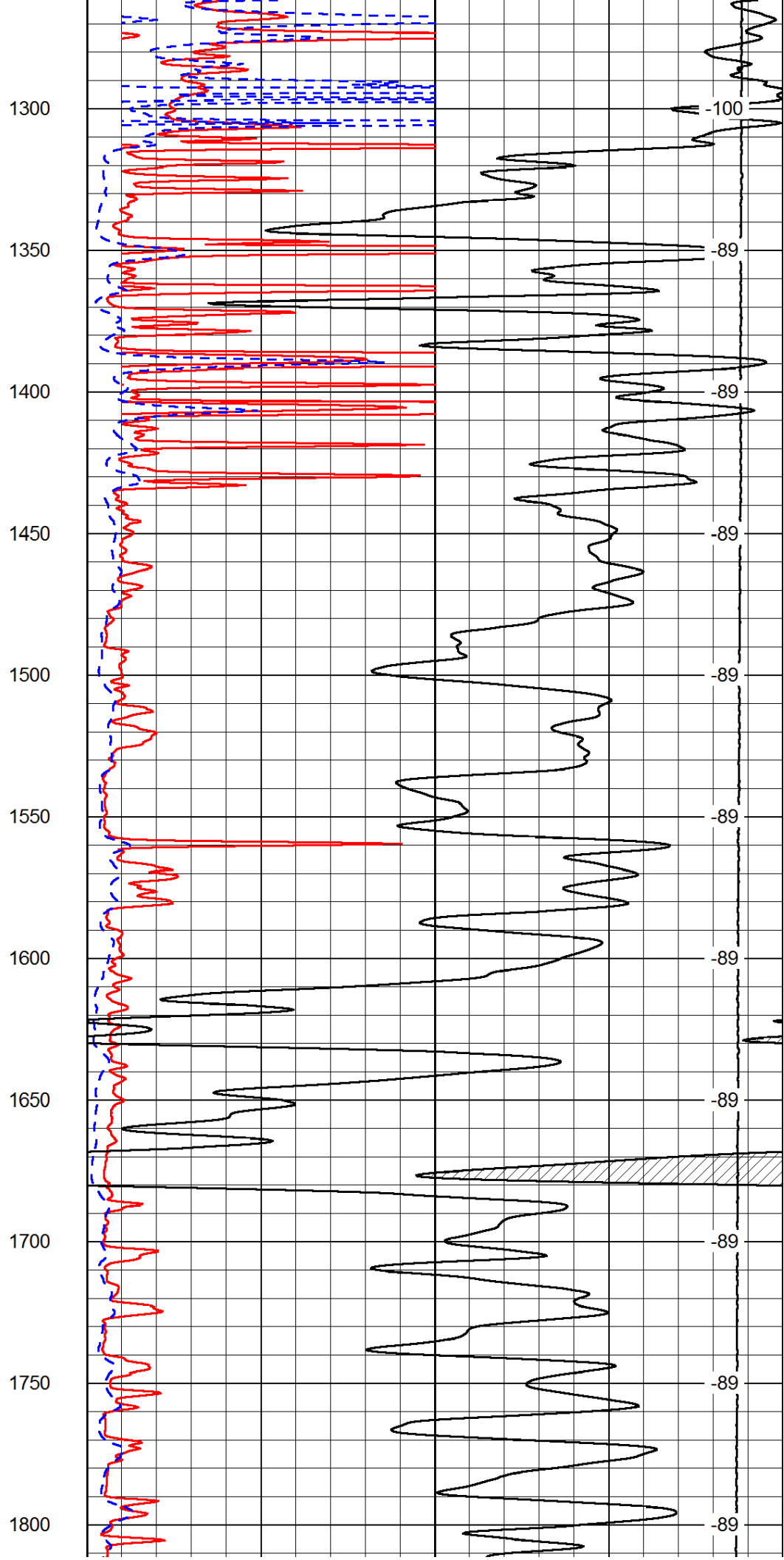
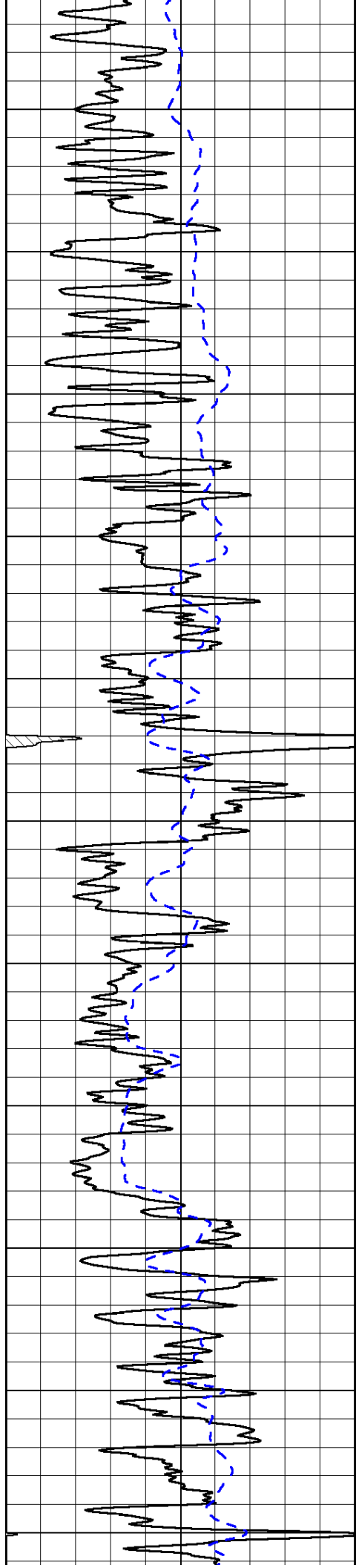
Database File: c:\warrior\data\carrie exp_loesch #c-1\carrie_loesch_c-1hd.db
Dataset Pathname: dil/carrstck
Presentation Format: dil2in
Dataset Creation: Wed Mar 06 13:02:32 2013
Charted by: Depth in Feet scaled 1:600

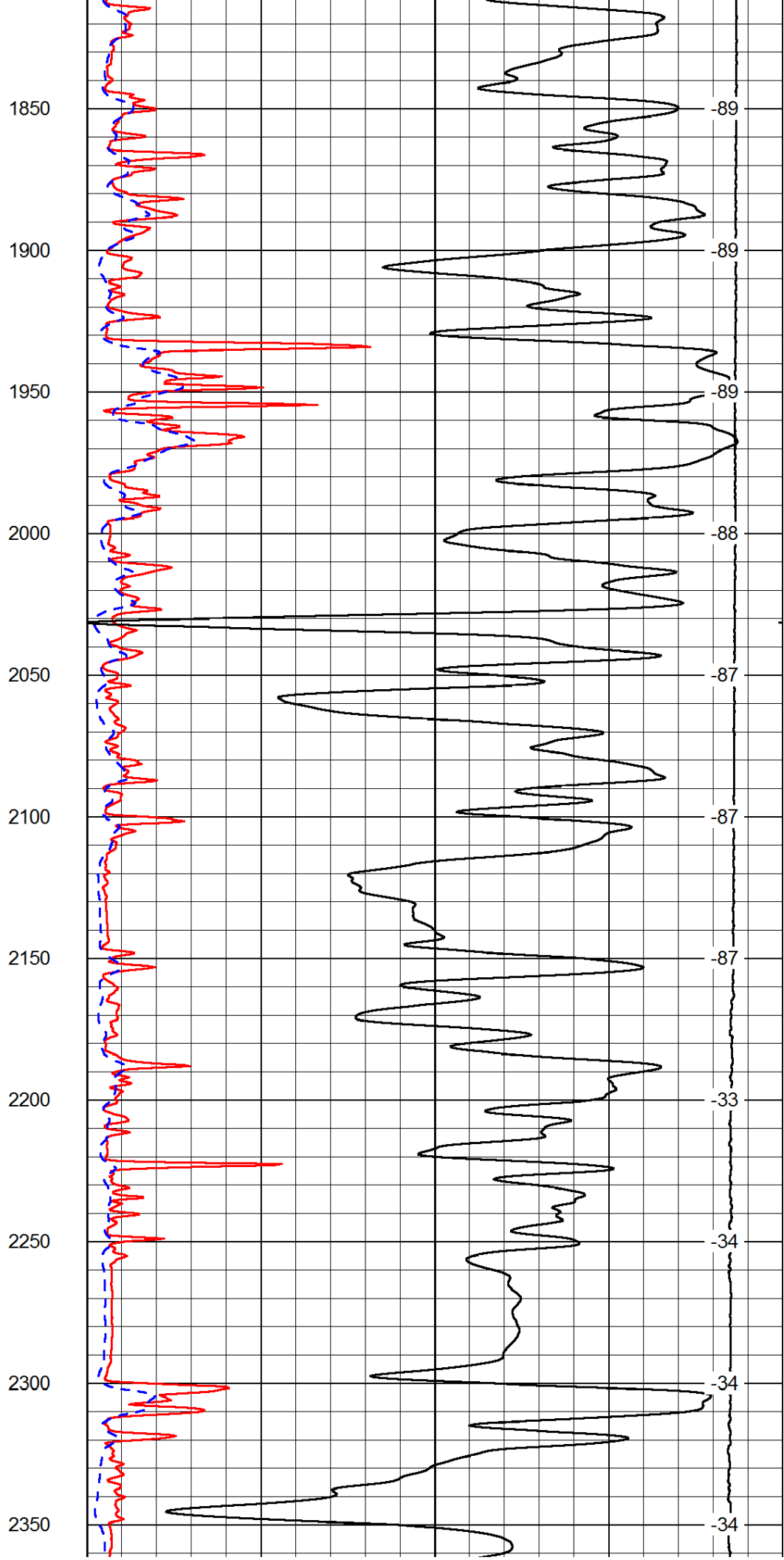
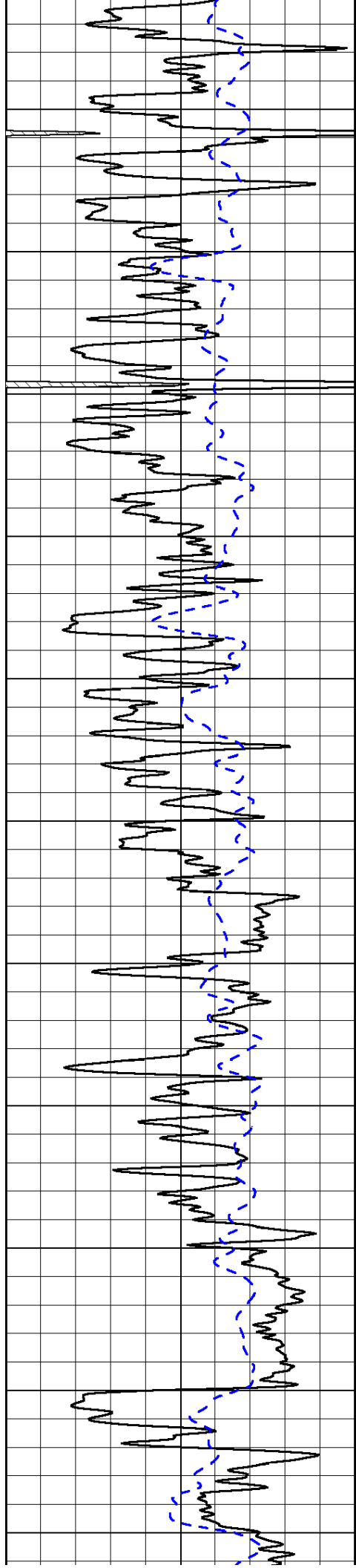
0	Gamma Ray	150
-200	SP (mV)	0

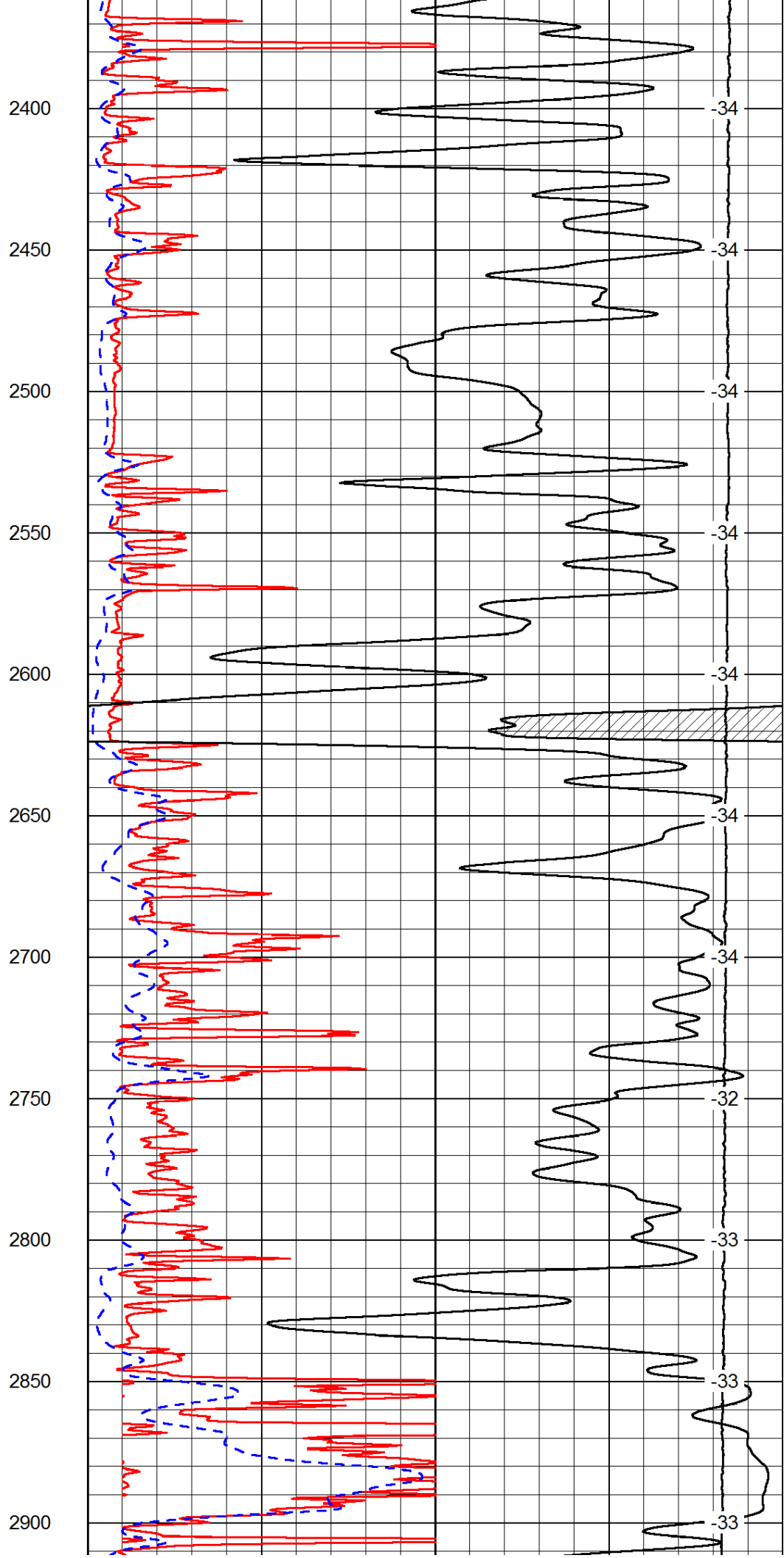
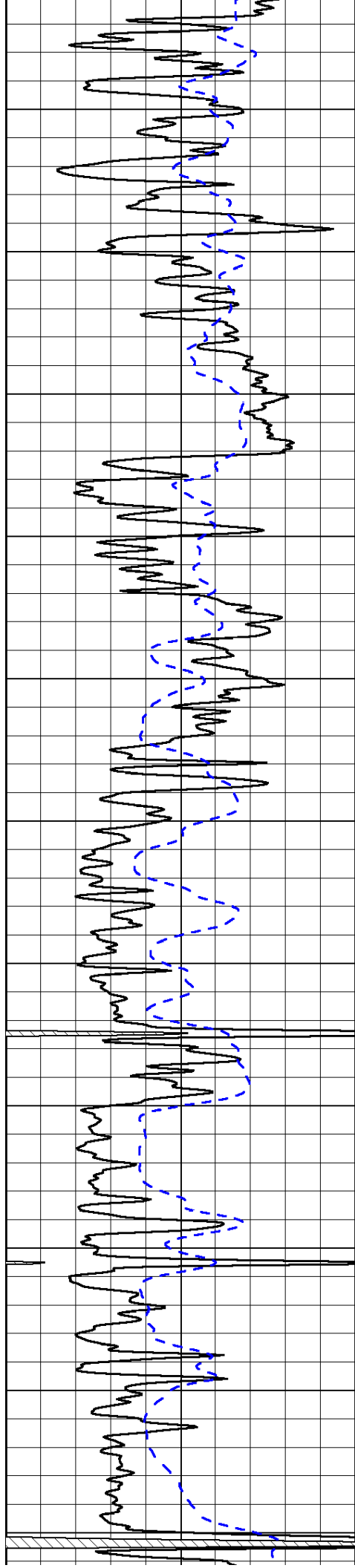
0 Shallow Resistivity 50			LSPD
0 Deep Resistivity 50			
1000 Conductivity			0
15000 Line Tension			0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

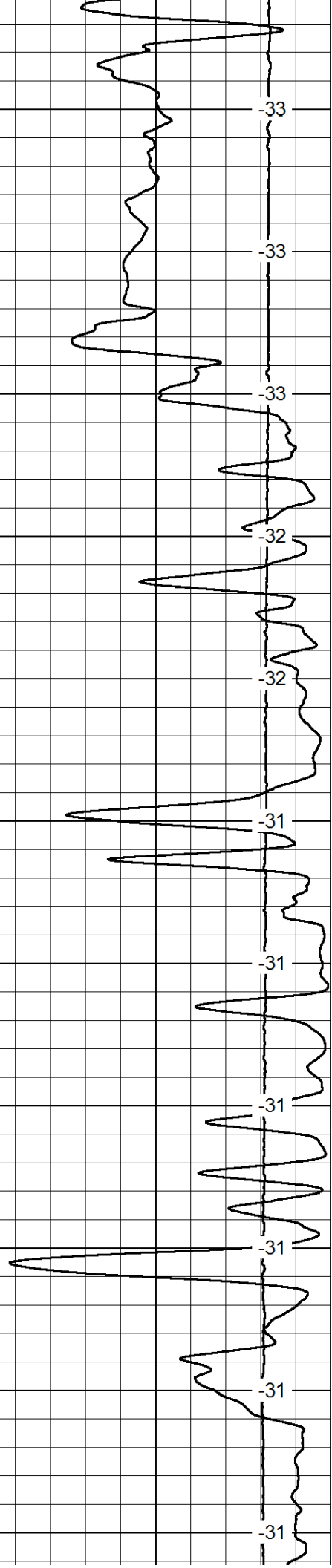
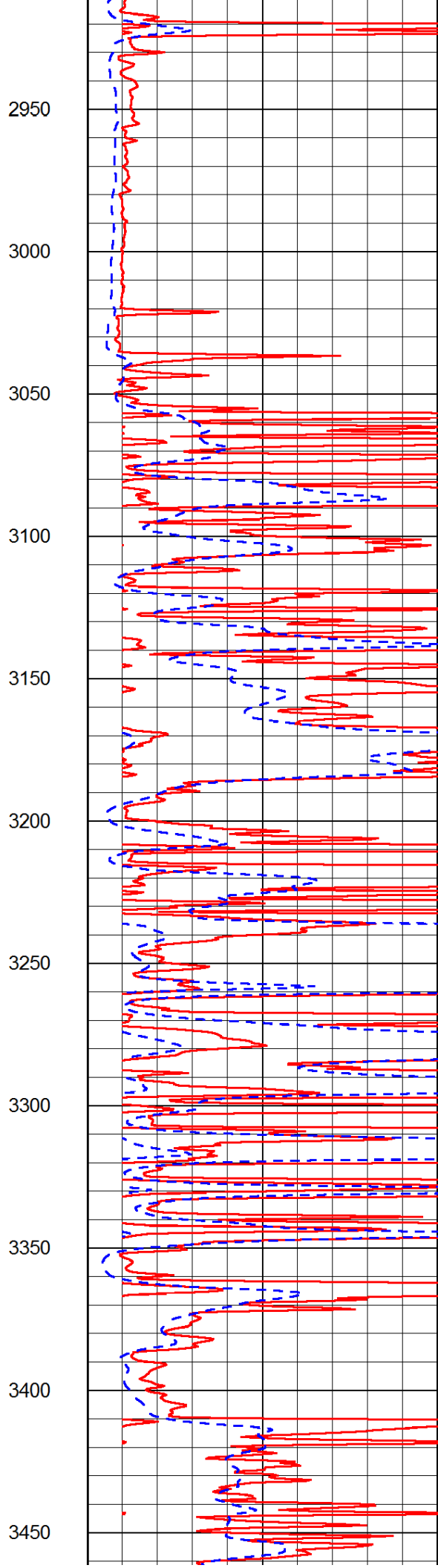
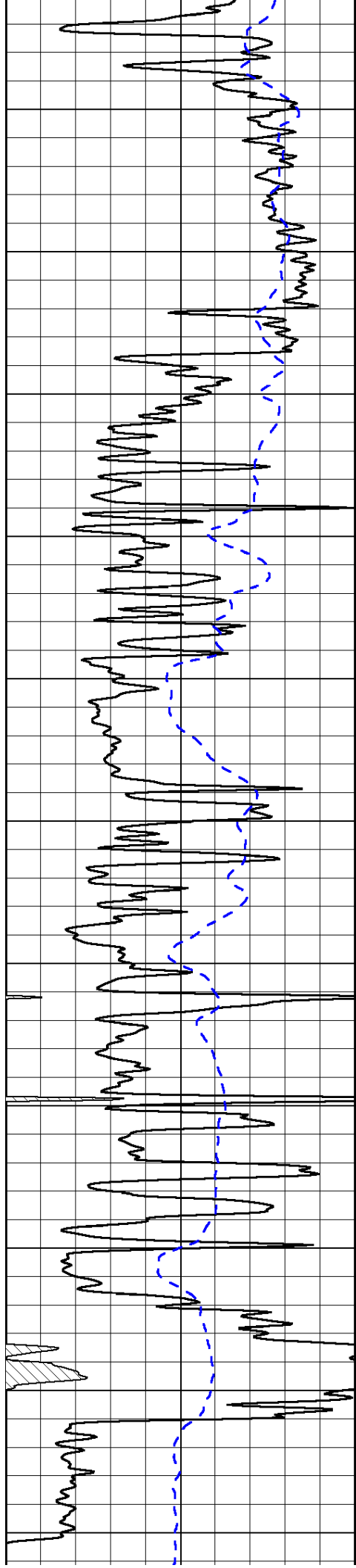


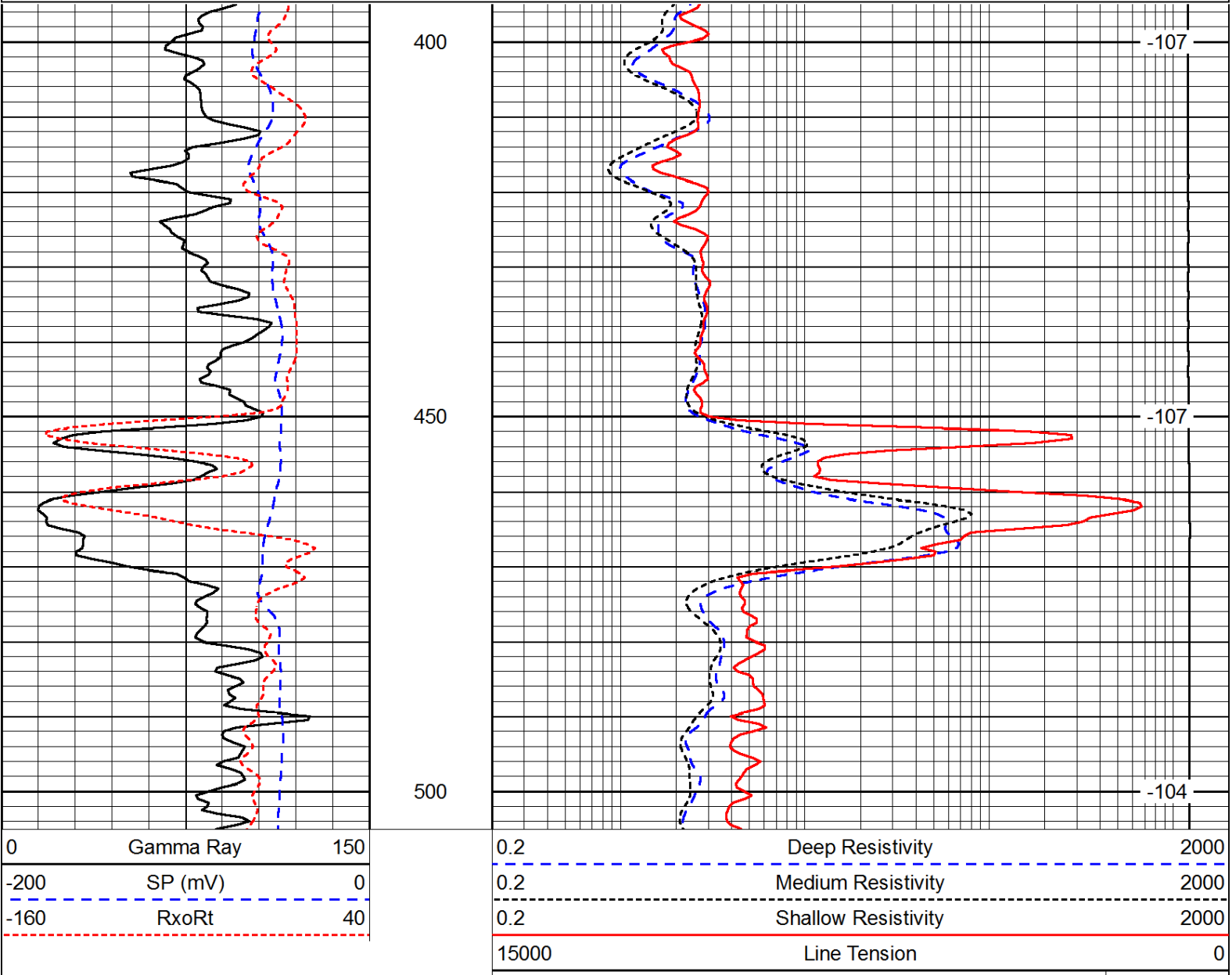
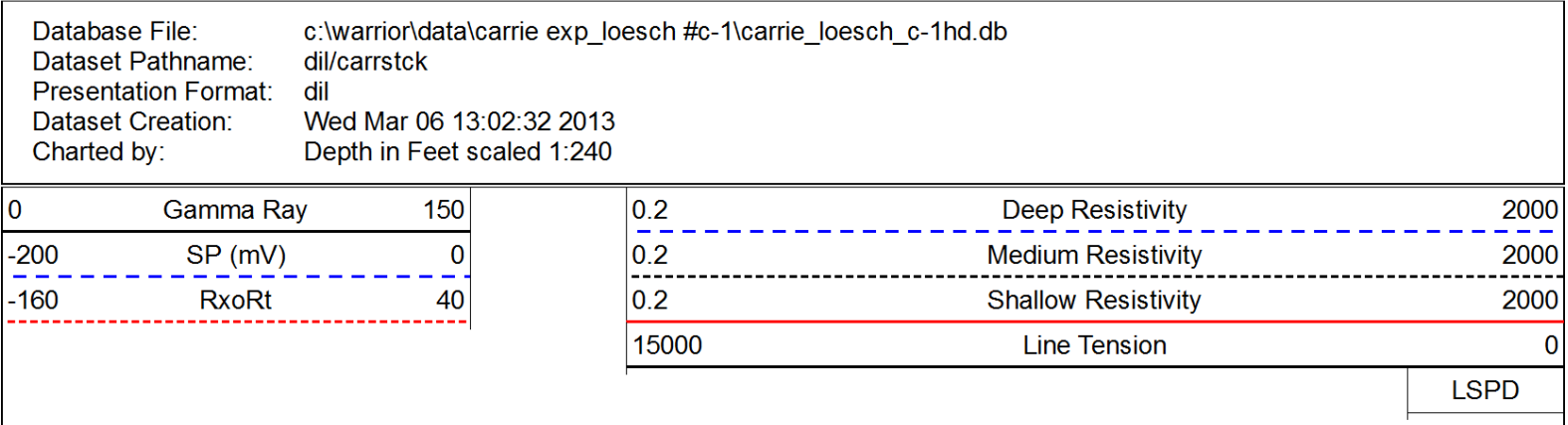
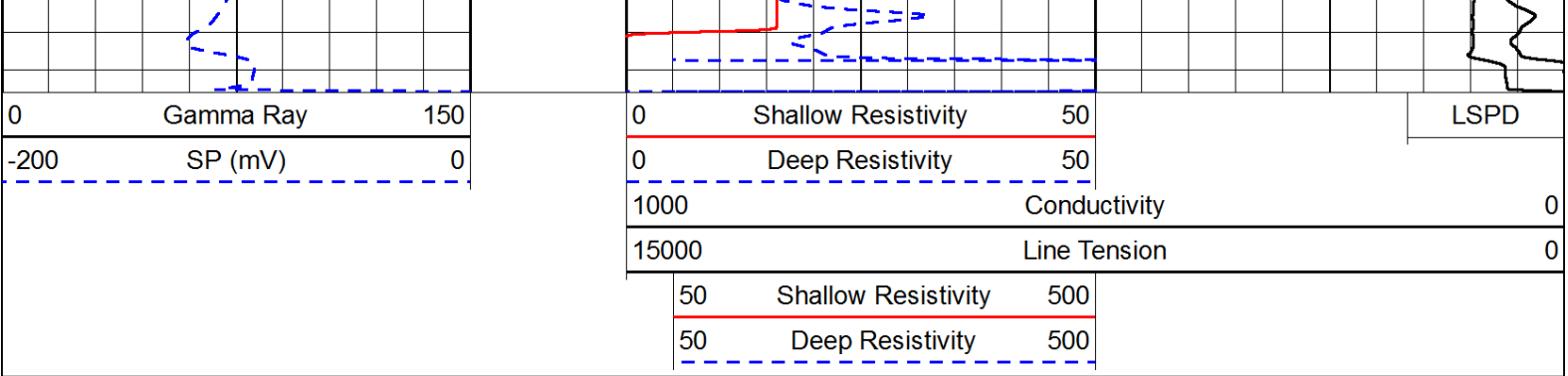










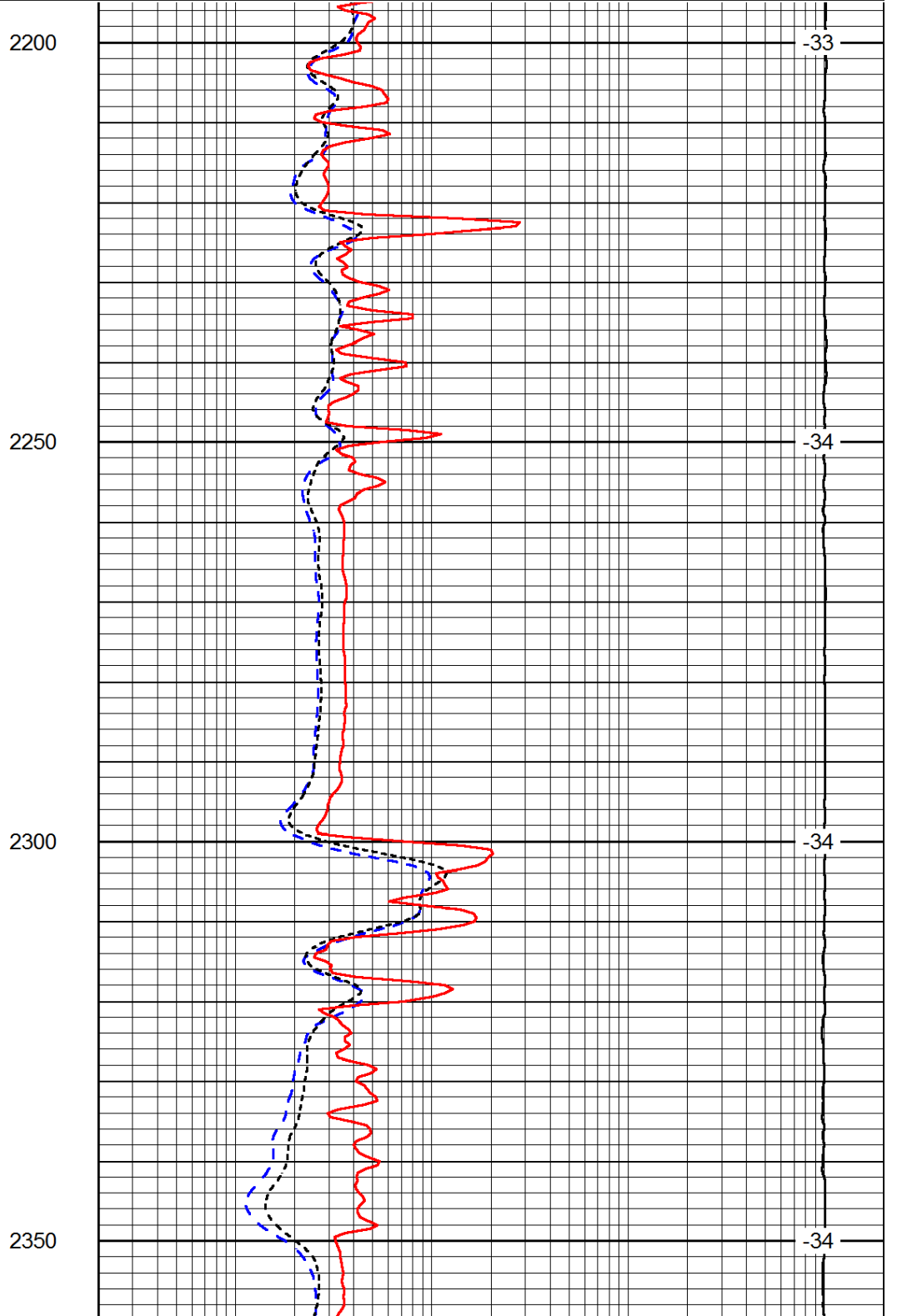
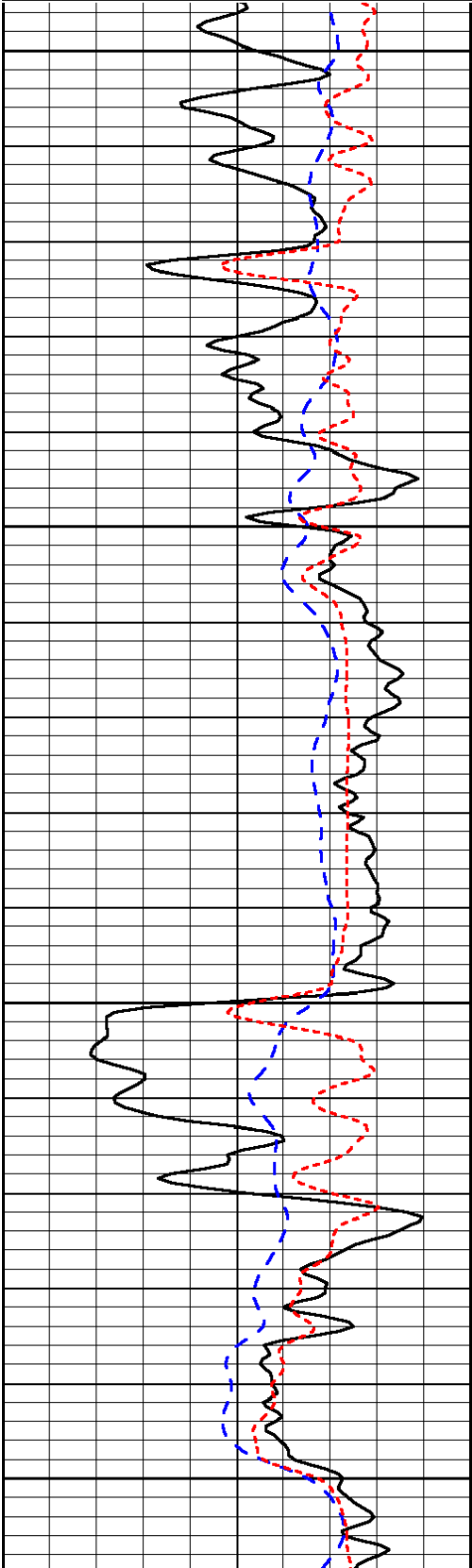


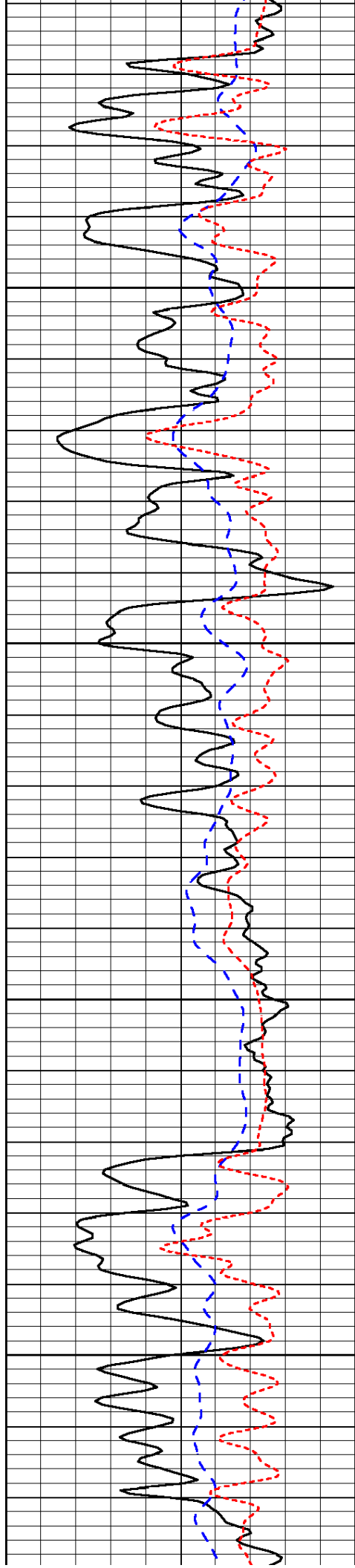
Database File: c:\warrior\data\carrie exp_loesch #c-1\carrie_loesch_c-1hd.db
Dataset Pathname: dil/carrstck
Presentation Format: dil
Dataset Creation: Wed Mar 06 13:02:32 2013
Charted by: Depth in Feet scaled 1:240

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



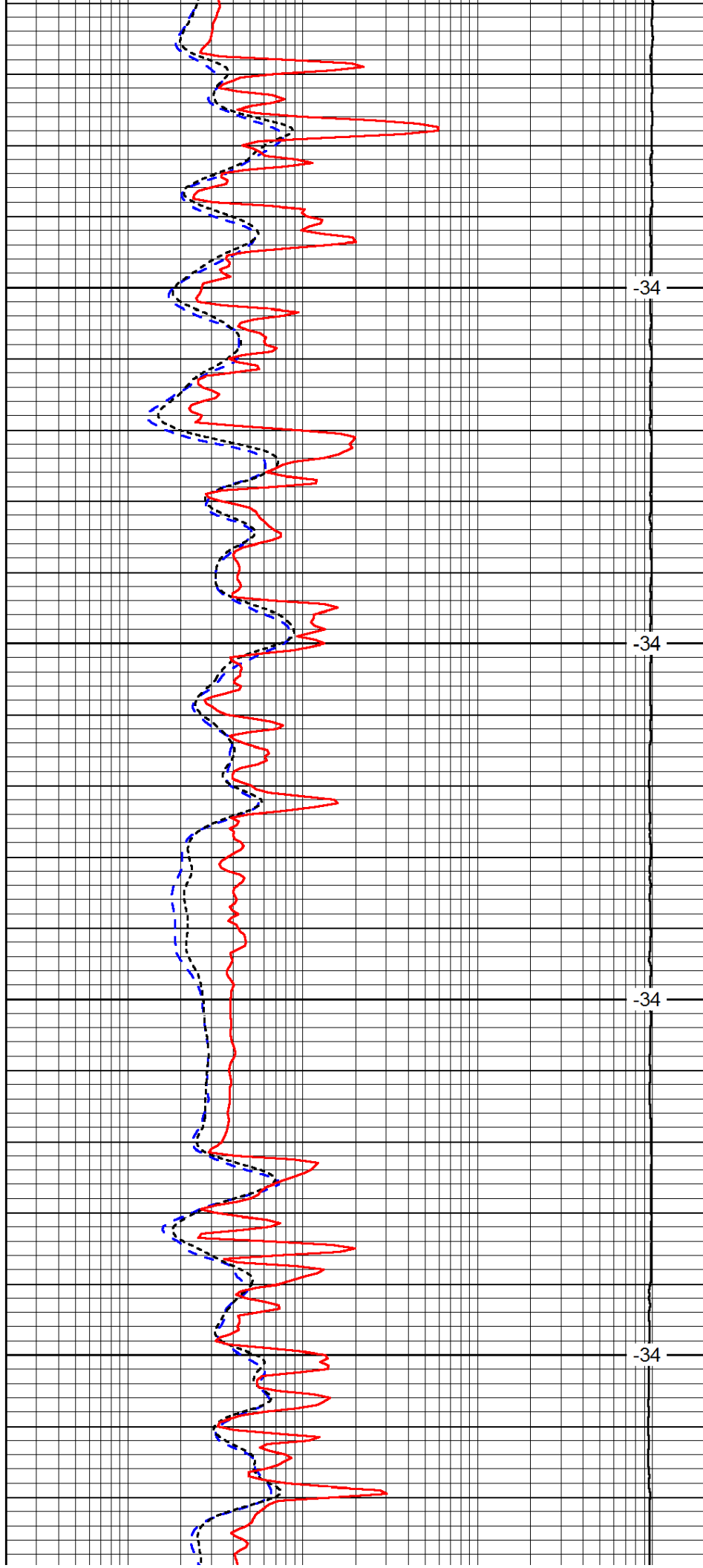


2400

2450

2500

2550

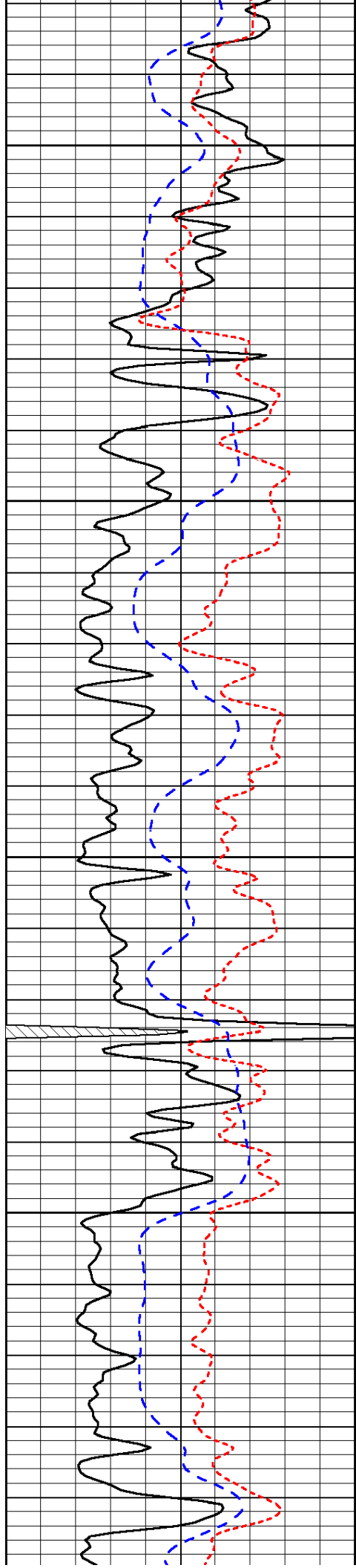


-34

-34

-34

-34



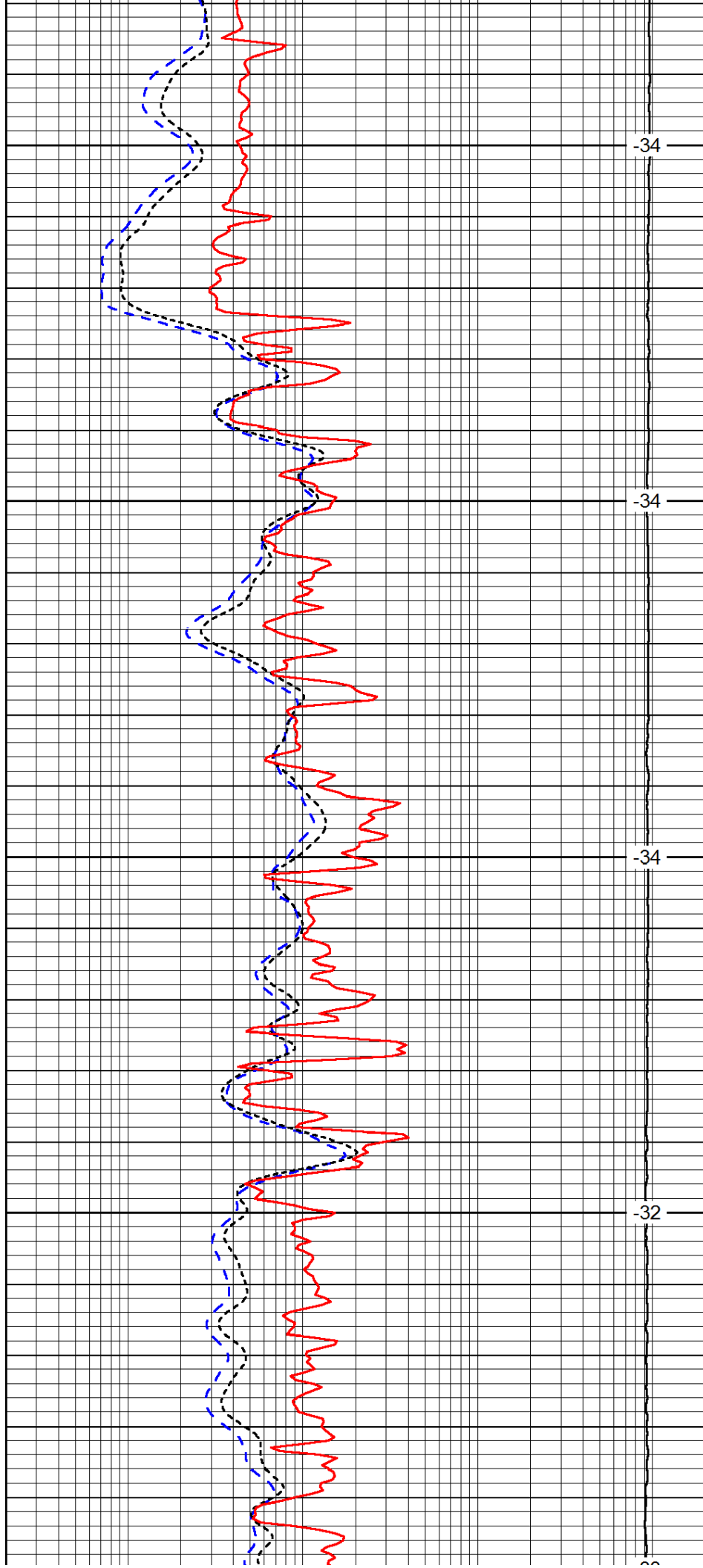
2600

2650

2700

2750

2800



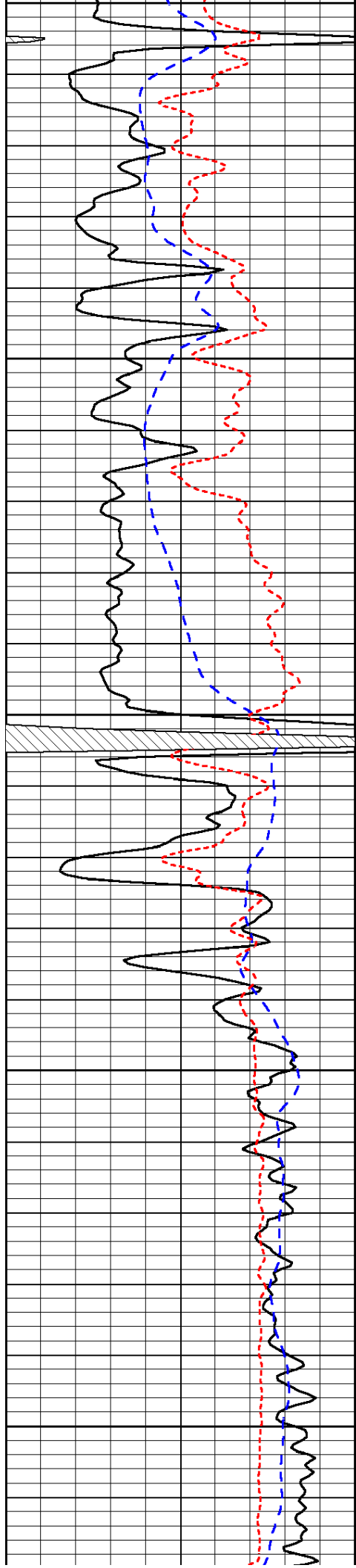
-34

-34

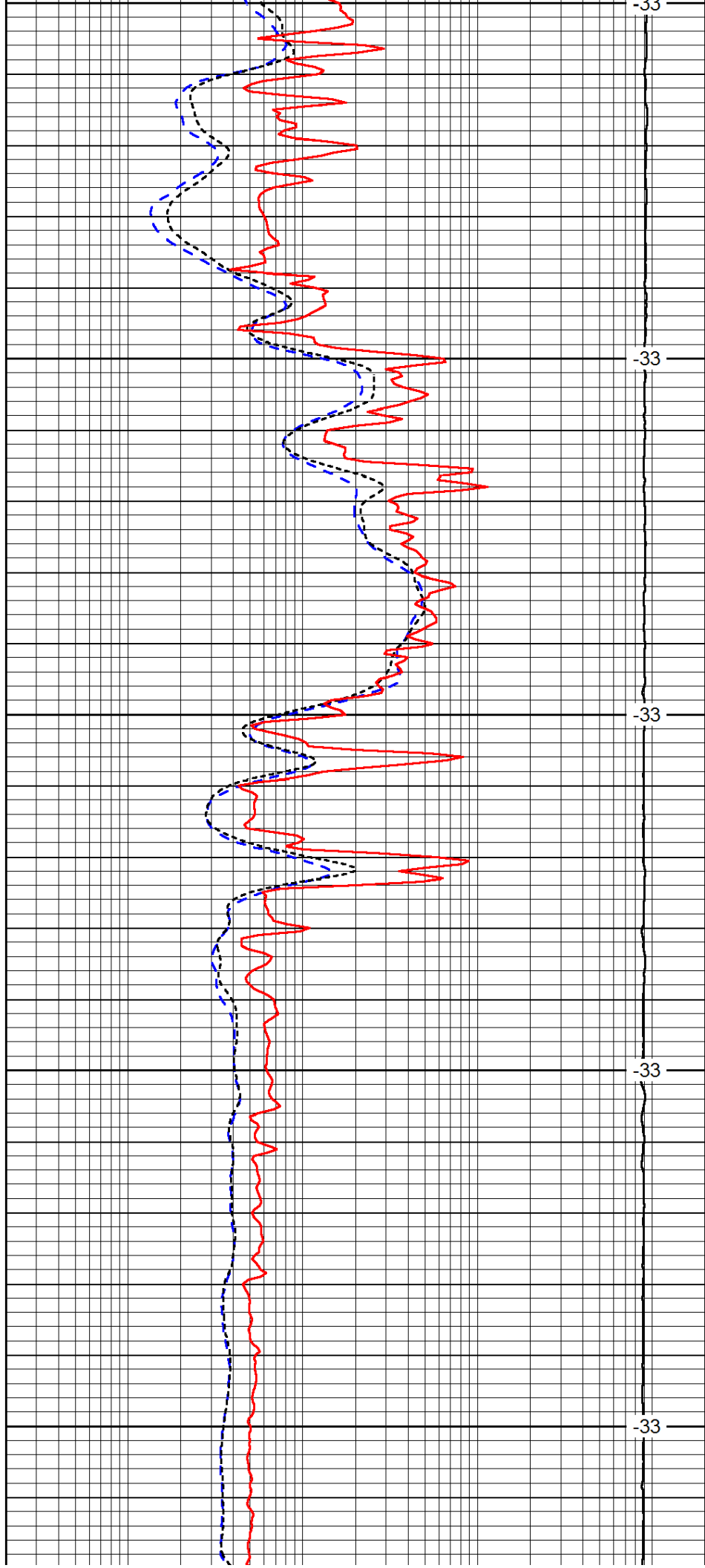
-34

-32

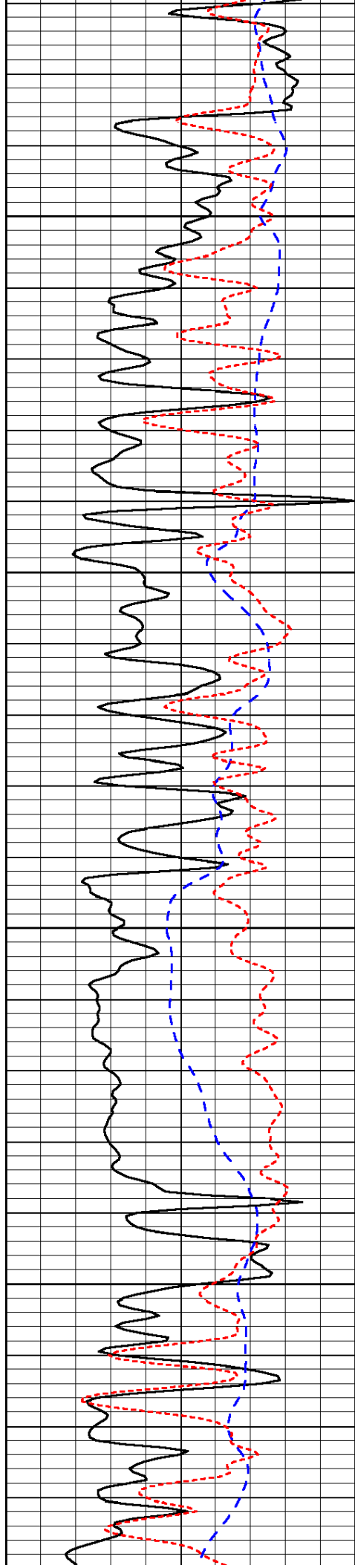
-32



2800
2850
2900
2950
3000



-33
-33
-33
-33
-33

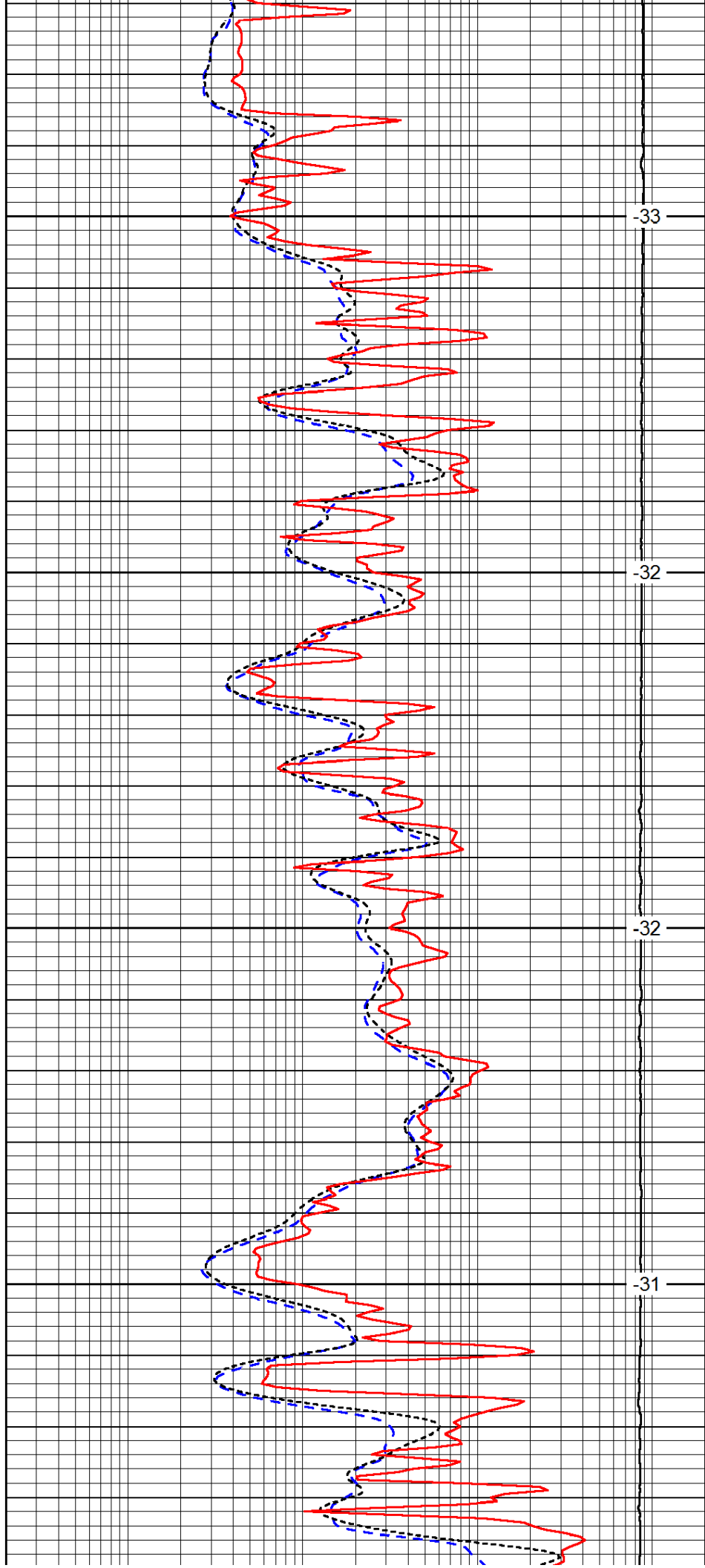


3050

3100

3150

3200

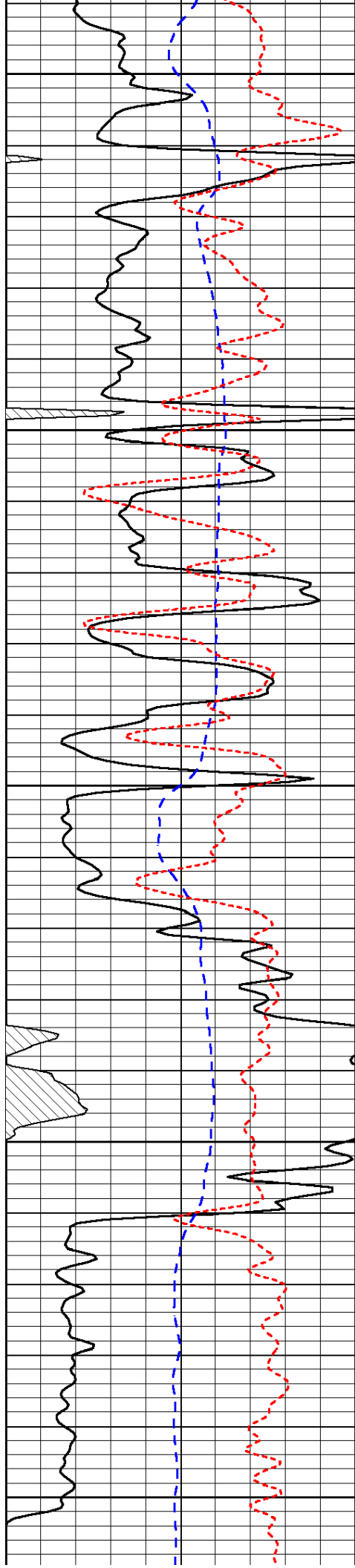


-33

-32

-32

-31



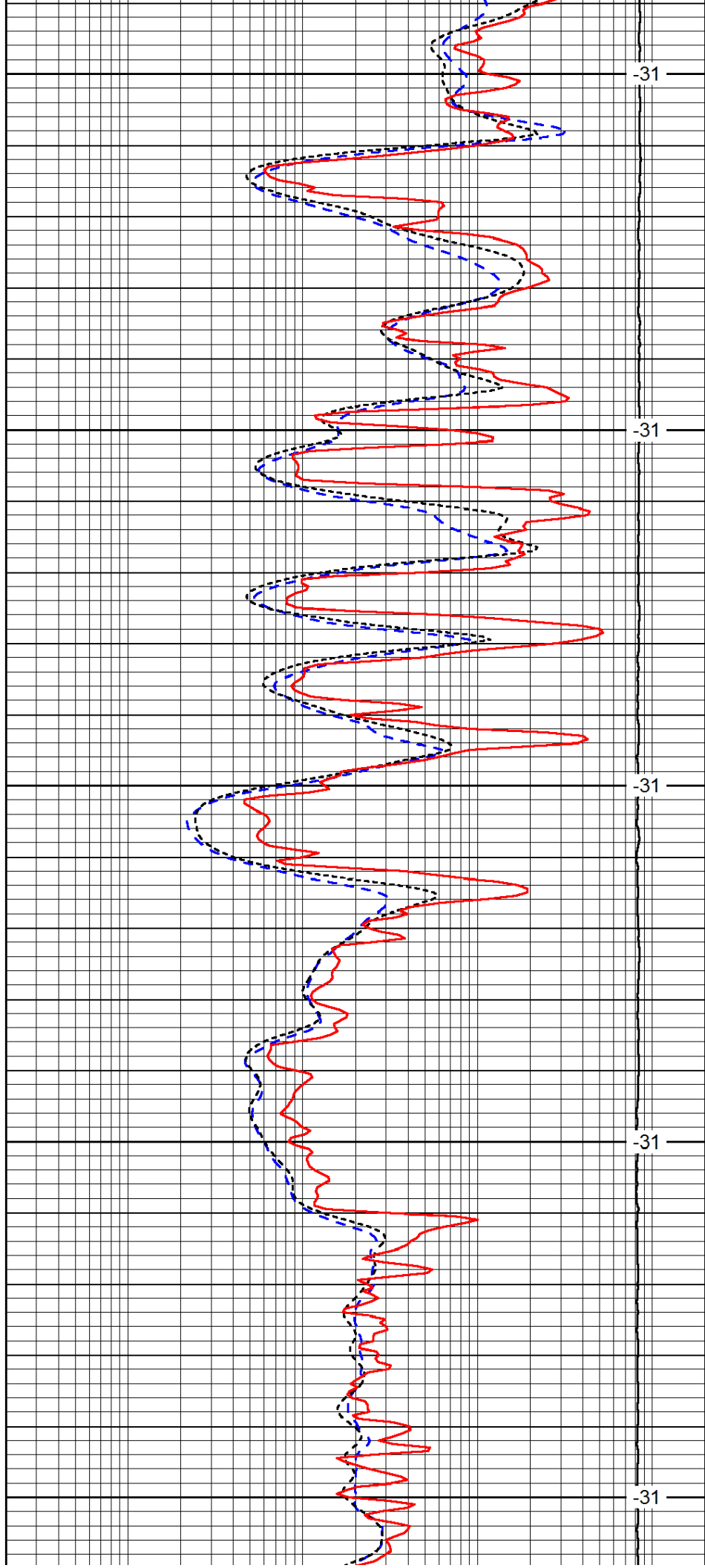
3250

3300

3350

3400

3450



-31

-31

-31

-31

-31

