



Dual Induction Log

Pioneer Energy Services

API No.

15-147-20,714-00-00

Company **Bach Oil Production**

Well **JK Unit # 2**

Field **Woodruff**

County **Phillips** State

Kansas

Location

**NW-NE-NW-NW
115' FNL & 700' FWL**

Other Services
CNL/CDL
MEL

Sec: 13

Twp: 1S

Rge: 19W

Elevation

Permanent Datum Ground Level

K.B. 2093

D.F. 2093

G.L. 2088

Log Measured From Kelly Bushing

5 Ft. Above Perm. Datum

D.F. 2093

G.L. 2088

Drilling Measured From Kelly Bushing

8/9/2013

One

3580

3578

3577

200

8.625 @ 222

220

7.875

Chemical

800

9.2 @ 57

9.0 @ 6.4

Flowline

1.05 @ 74

.79 @ 74

1.42 @ 74

Charts

.69 @ 112

3 1/2 Hours

112

15

Hays

J. Henrickson

Bob Peterson

<<< 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.

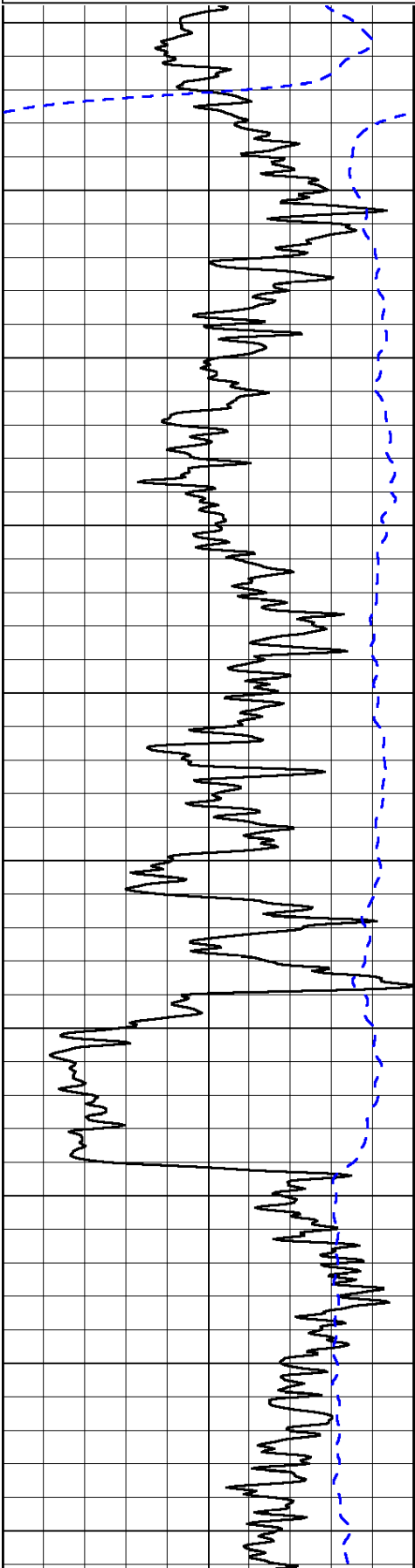
Comments

Thank you for using Pioneer Energy Services
www.pioneerenergy.com
785 625 3858
Phillipsburg Kansas
North to HWY 183 & 83 Jct. West to 500 RD, 1 1/2 South, East Into

Database File: c:\warrior\data\bach_jk unit # 2\bach_jkunit_2hd.db
Dataset Pathname: DIL\bachstk
Presentation Format: dil2in
Dataset Creation: Fri Aug 09 14:42:40 2013
Charted by: Depth in Feet scaled 1:600

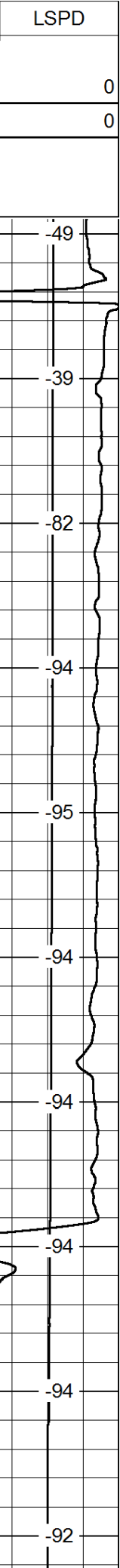
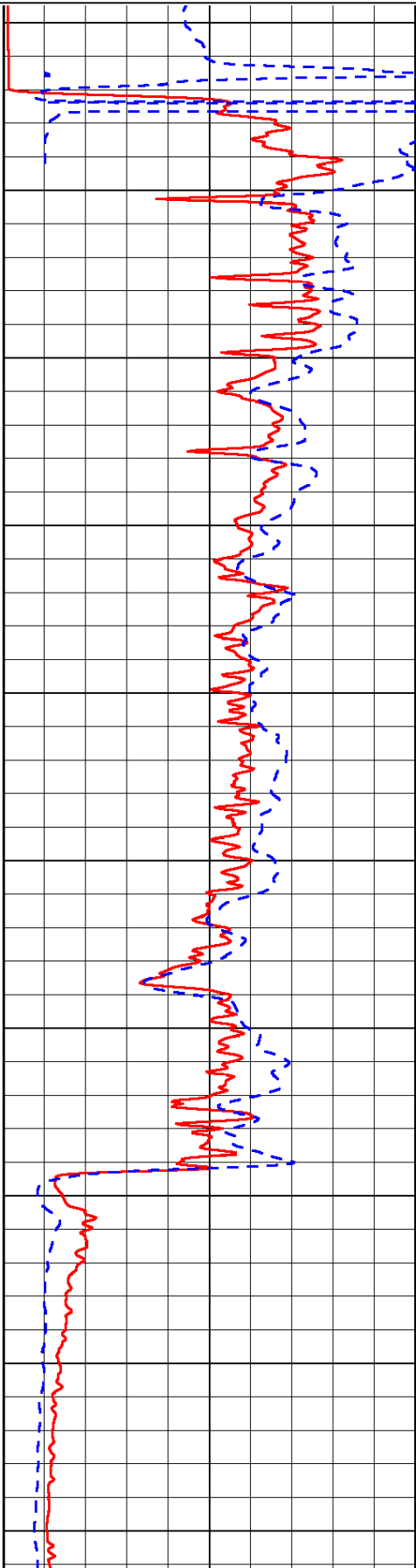
Charted by: Depth in Feet scaled 1:500

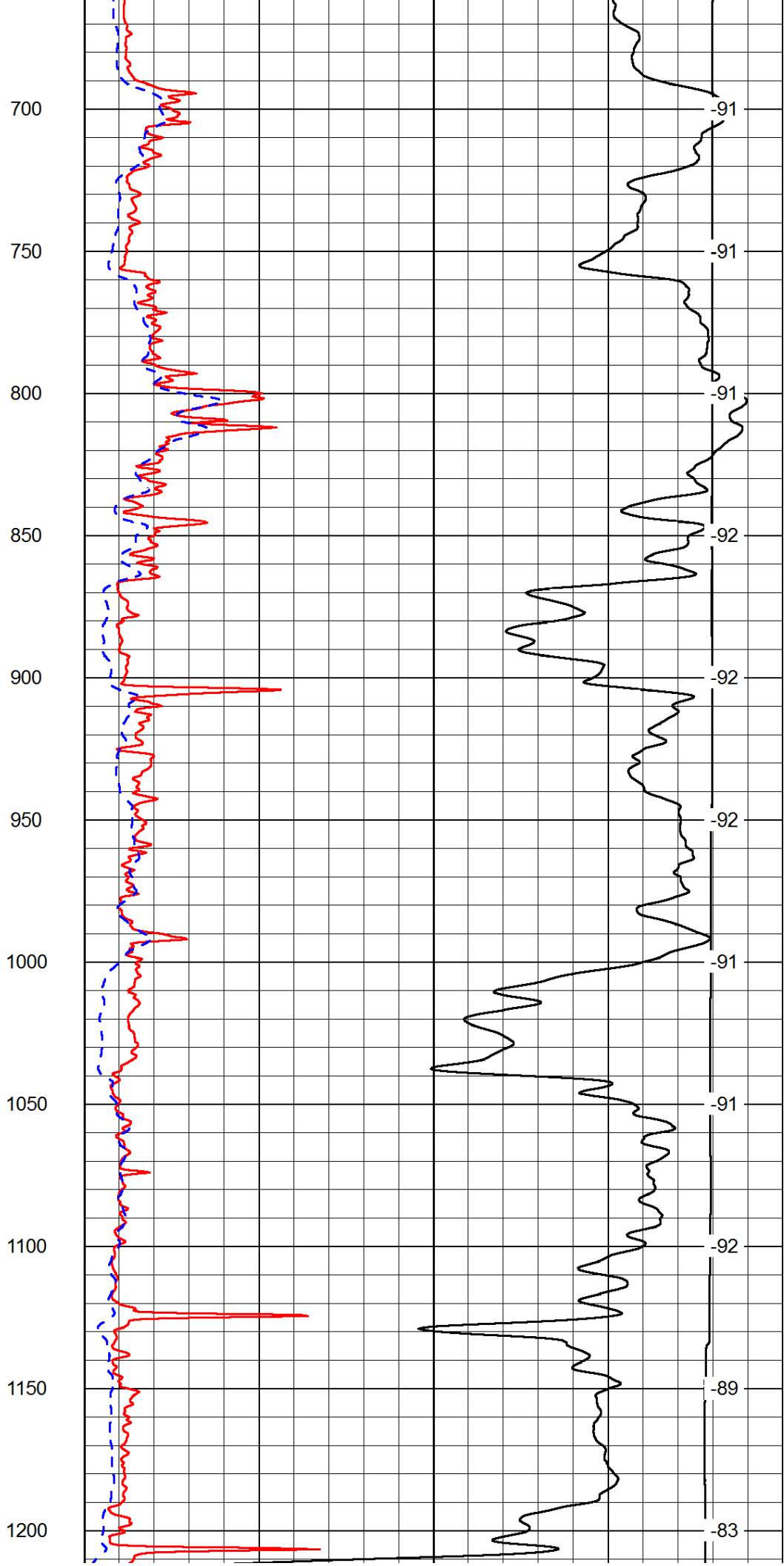
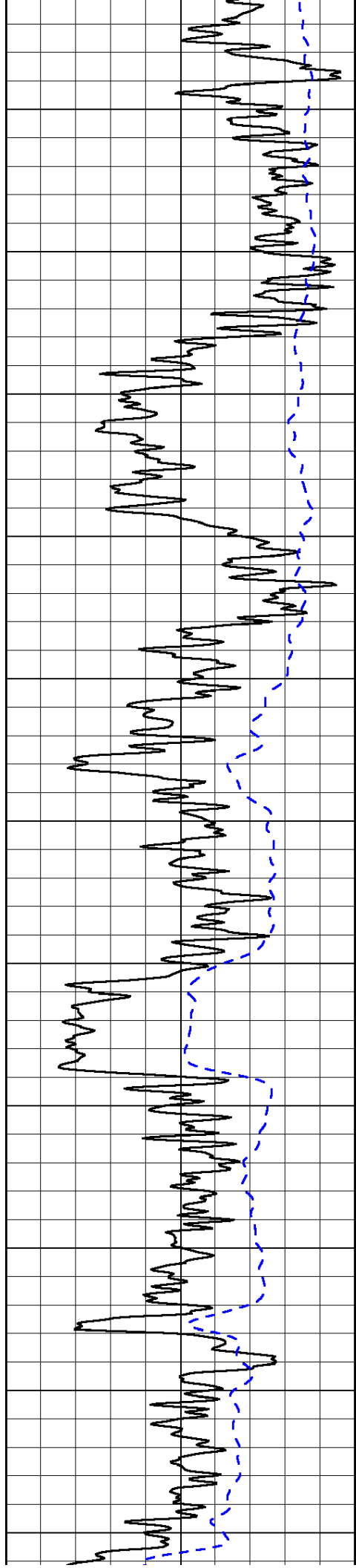
0	Gamma Ray	150
-200	SP (mV)	0

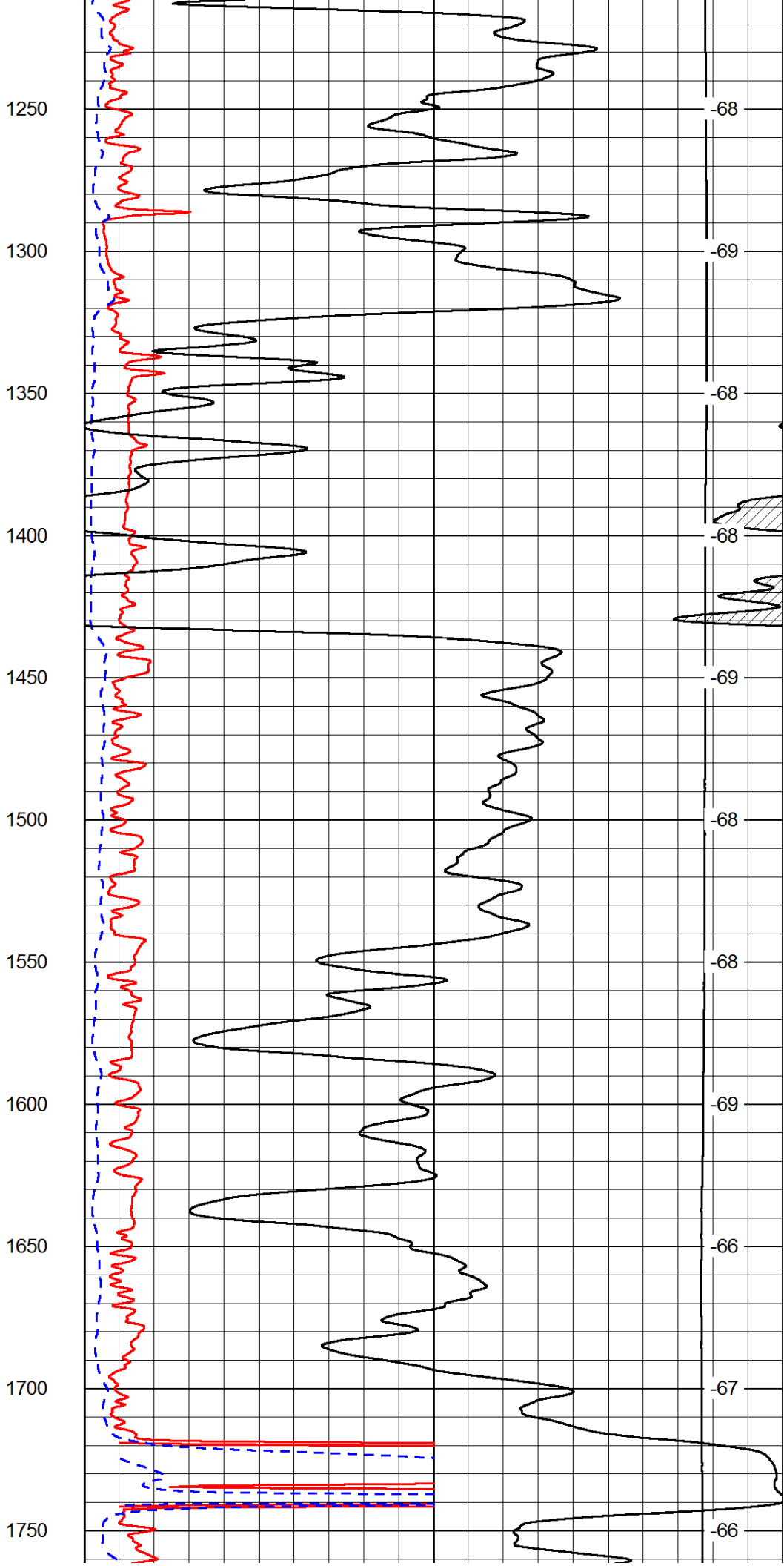
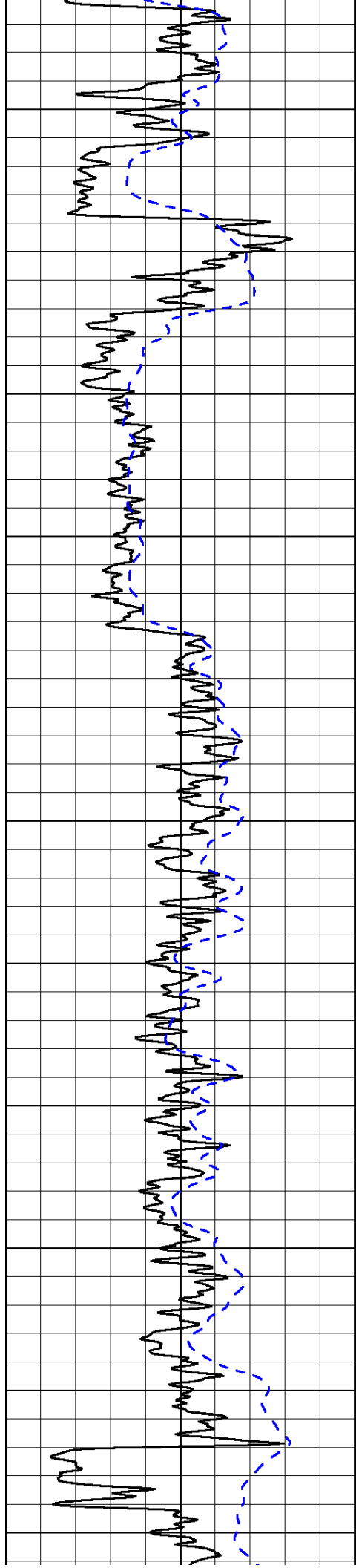


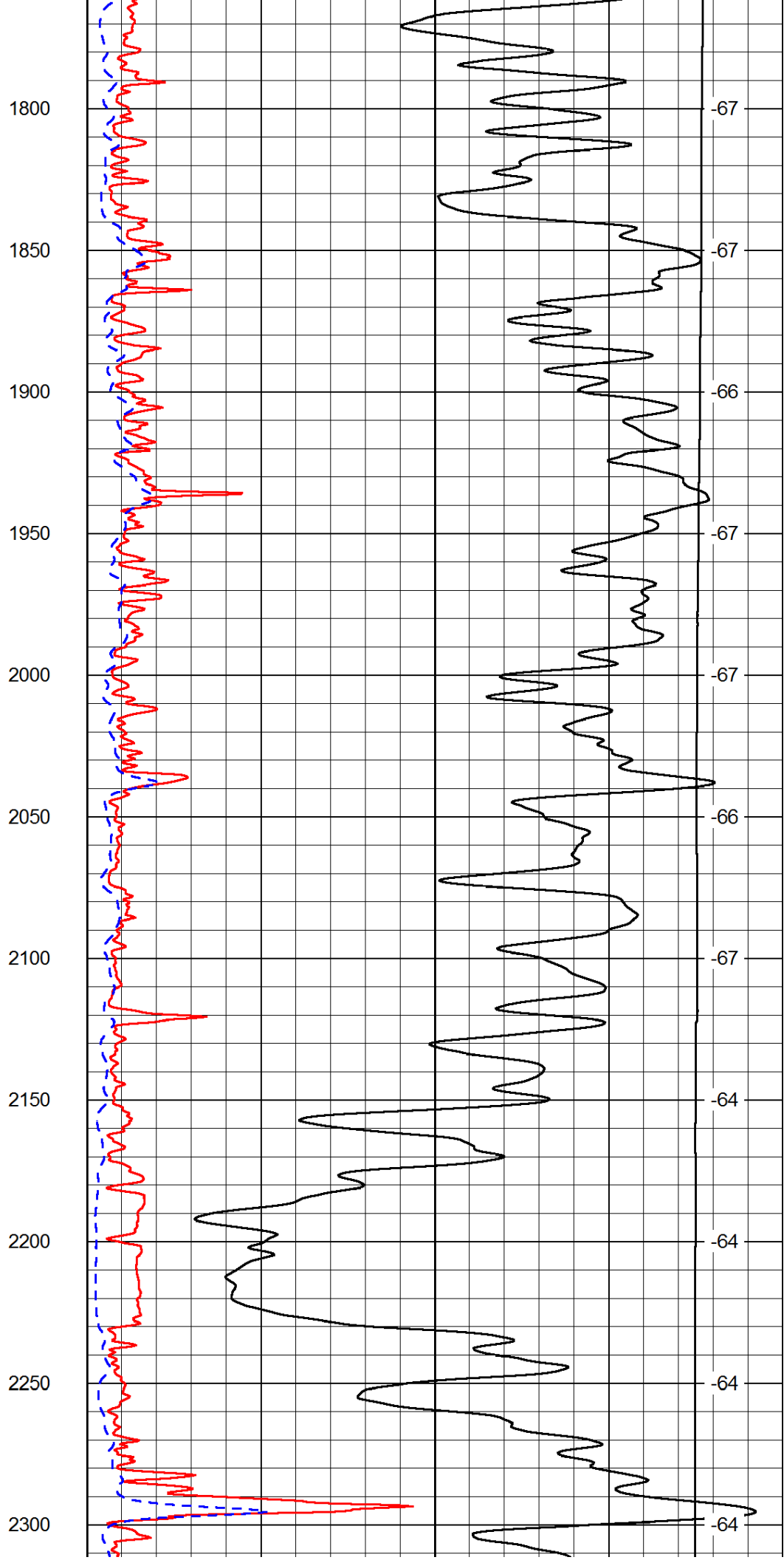
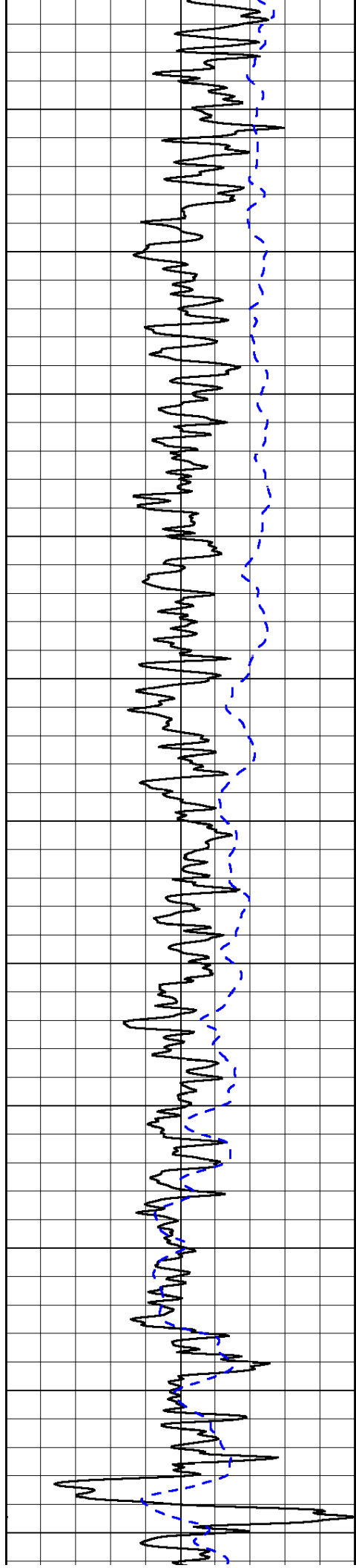
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

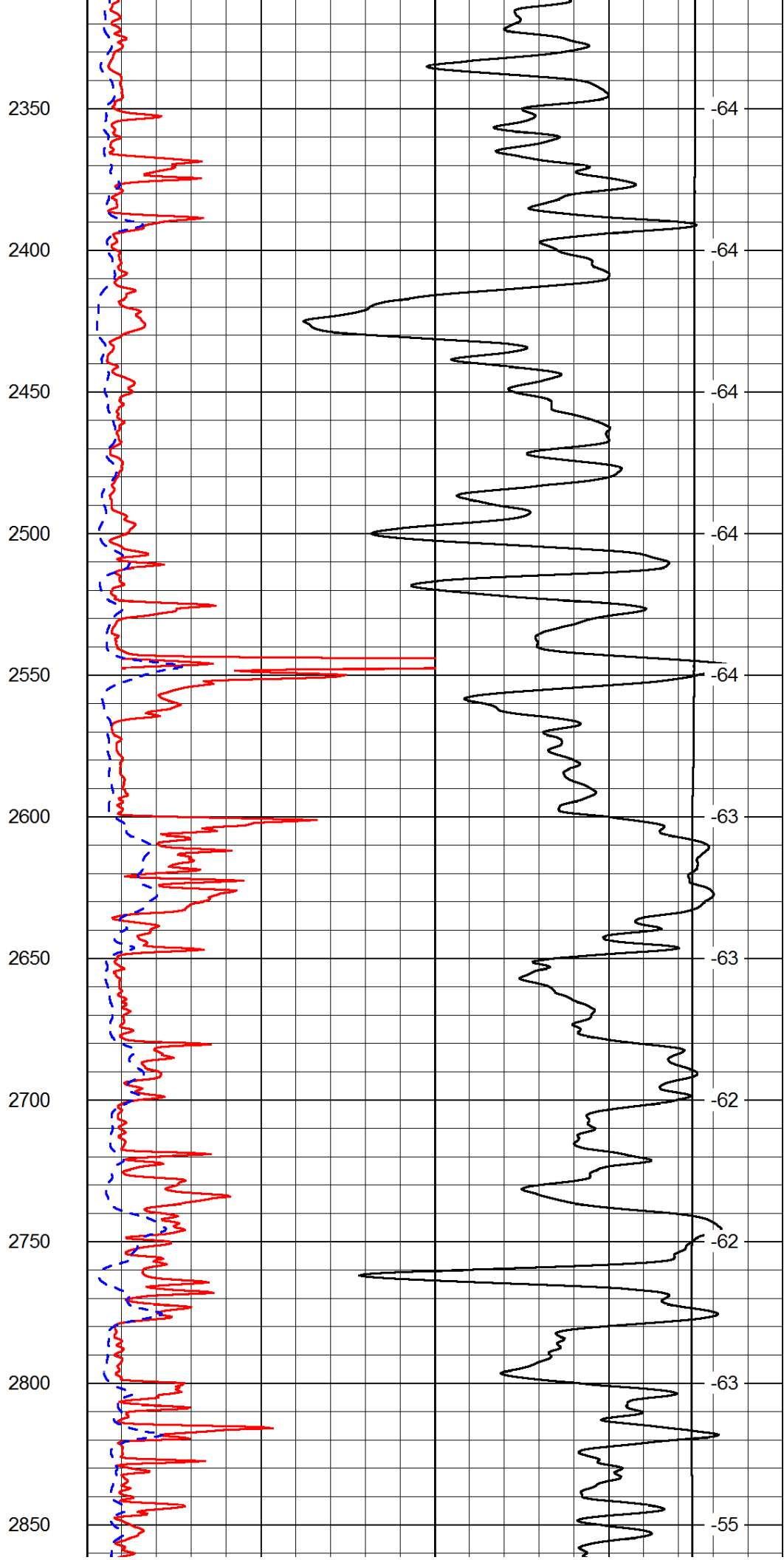
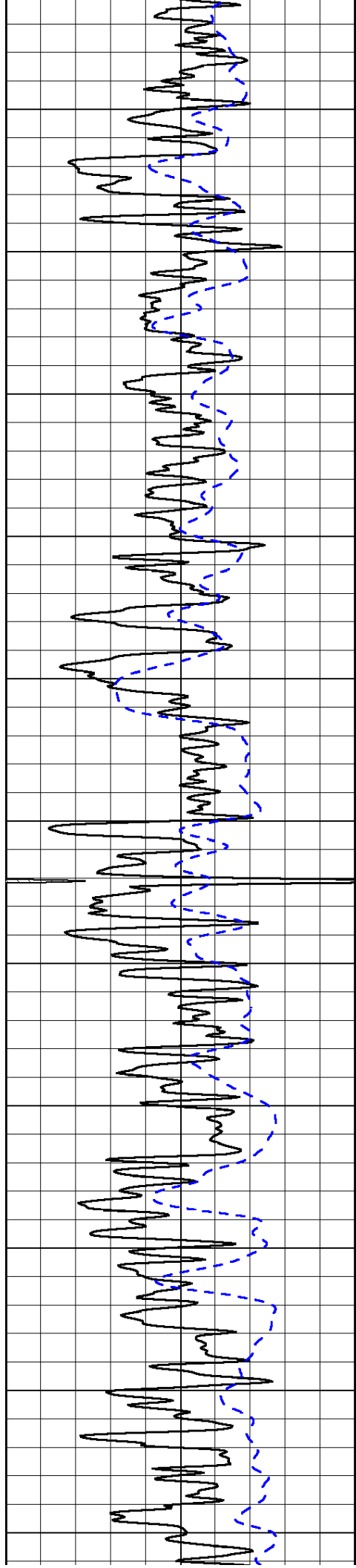
50	Shallow Resistivity	500
50	Deep Resistivity	500

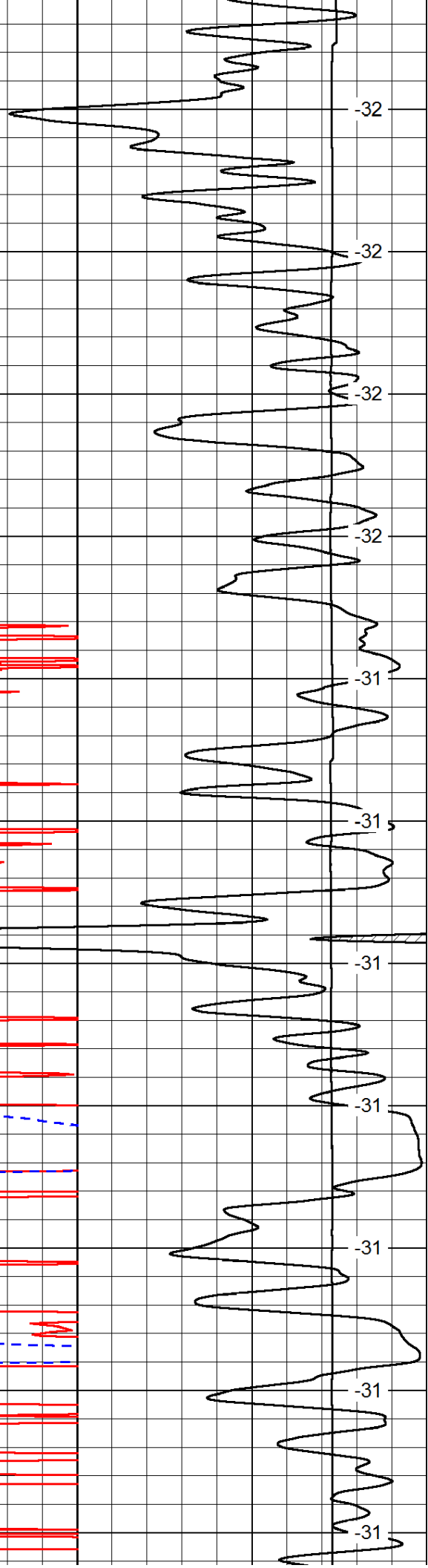
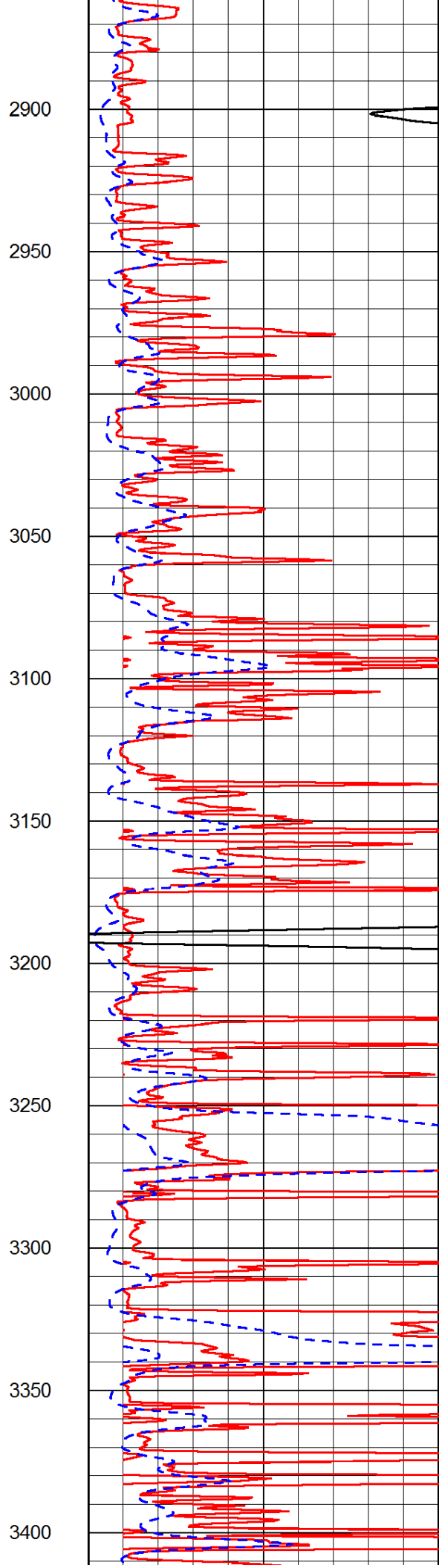
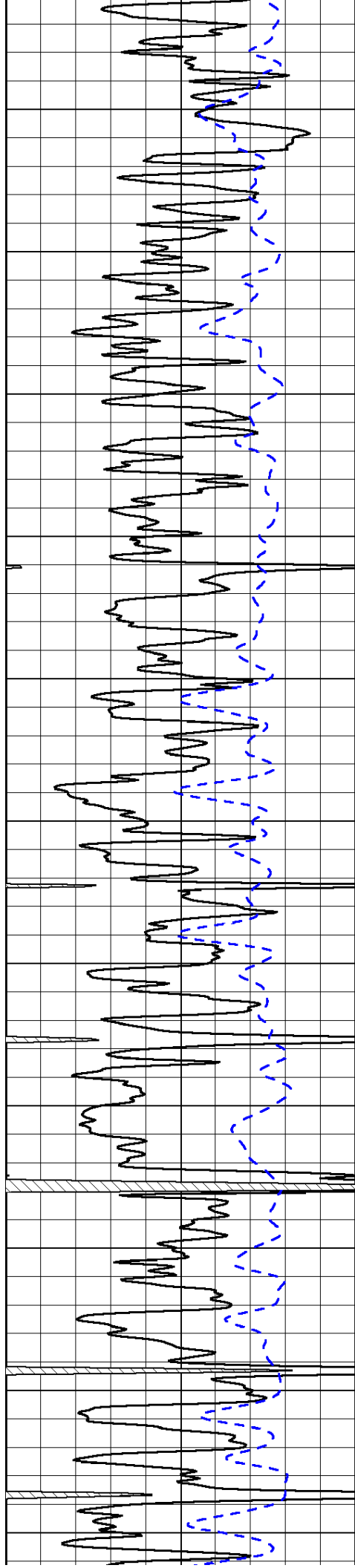


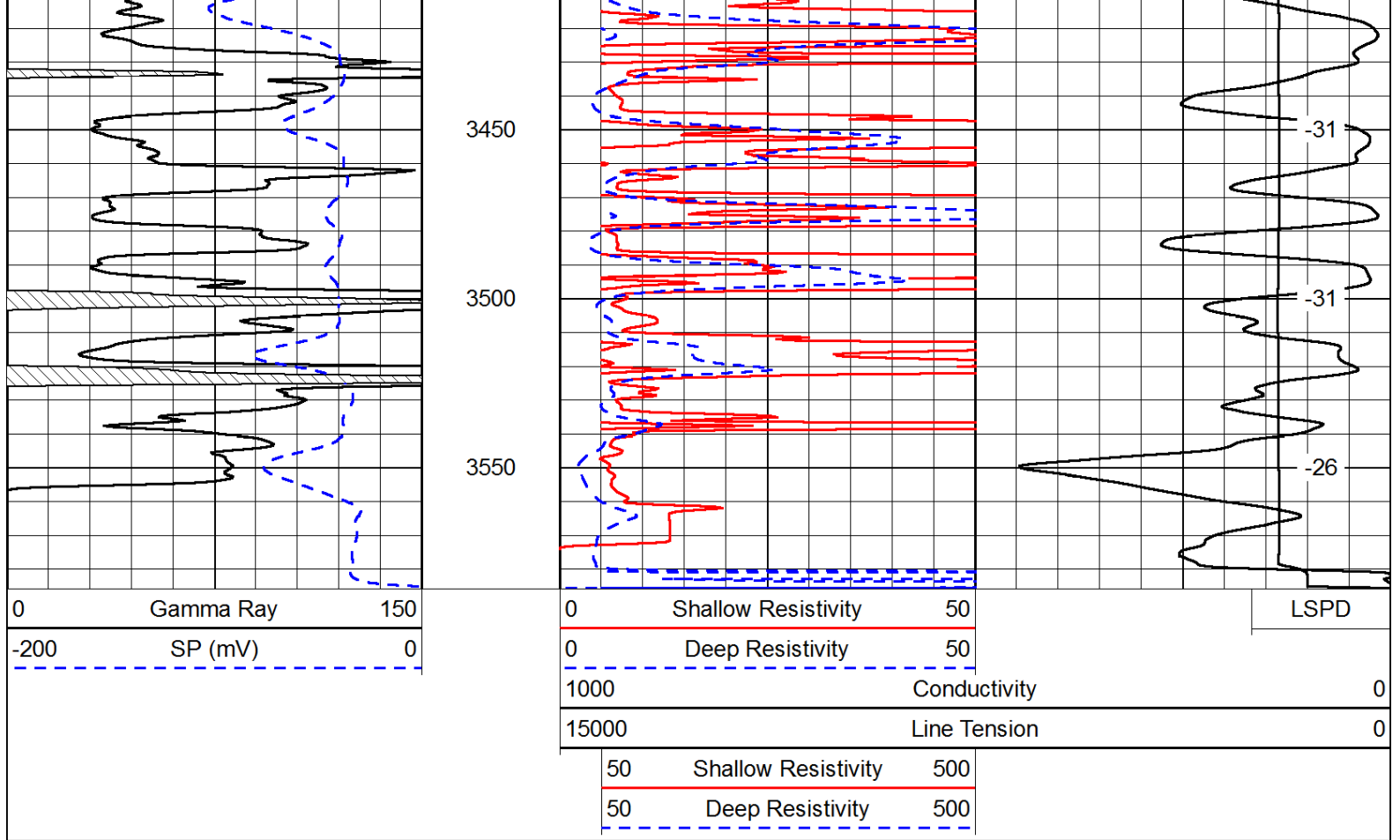




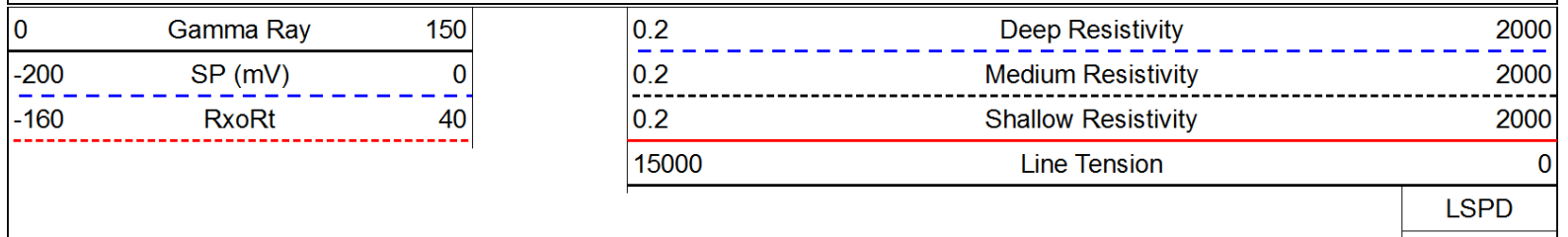


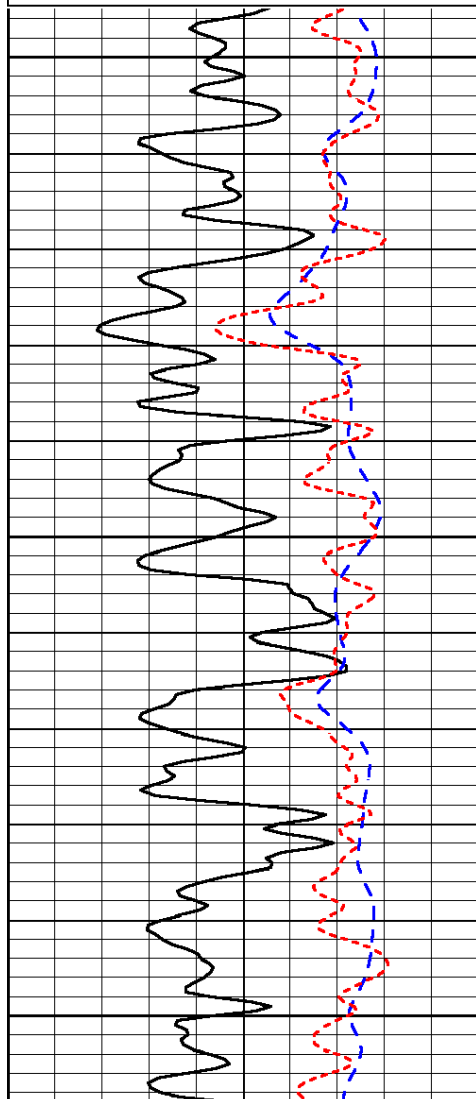
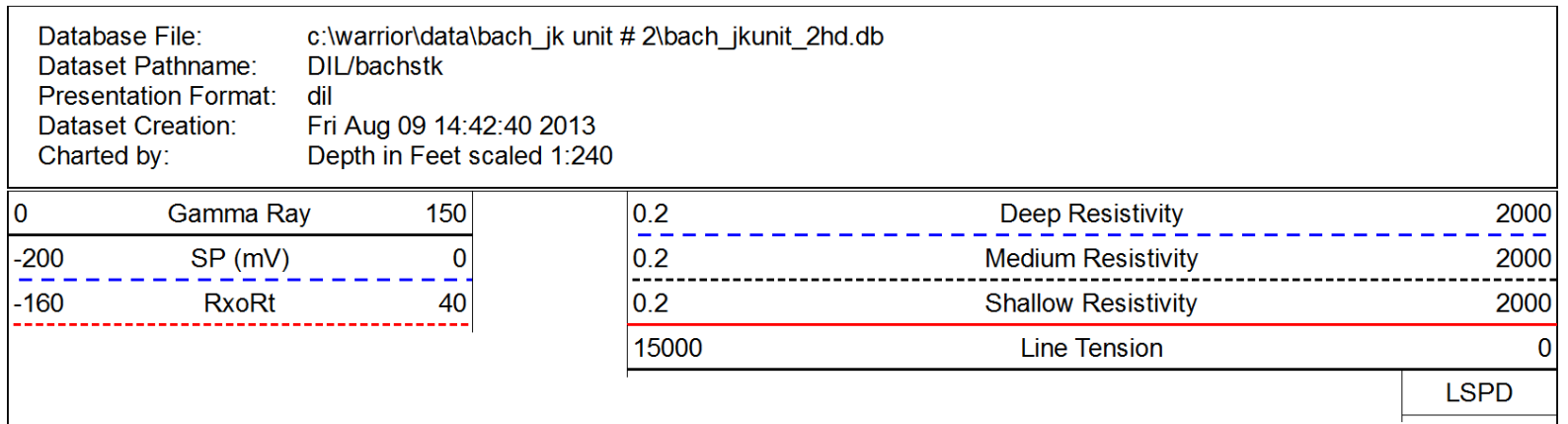
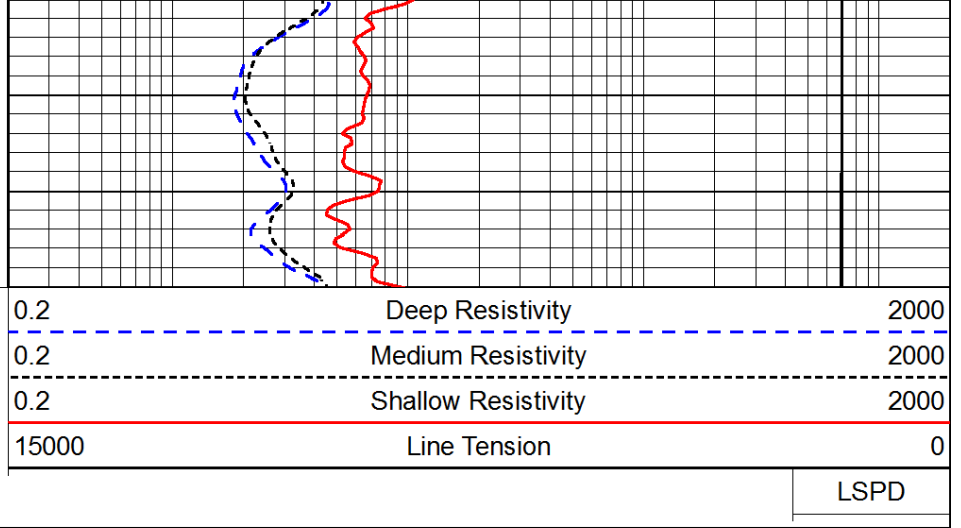
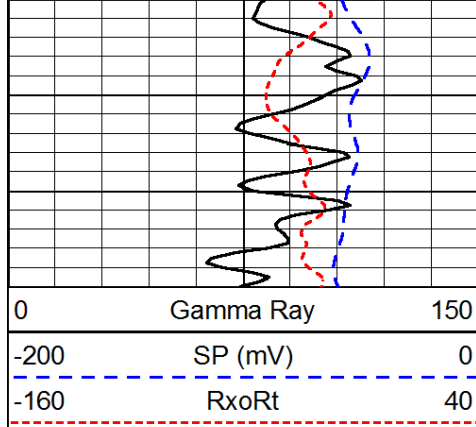






Database File: c:\warrior\data\bach_jk unit # 2\bach_jkunit_2hd.db
 Dataset Pathname: DIL/bachstk
 Presentation Format: dil
 Dataset Creation: Fri Aug 09 14:42:40 2013
 Charted by: Depth in Feet scaled 1:240

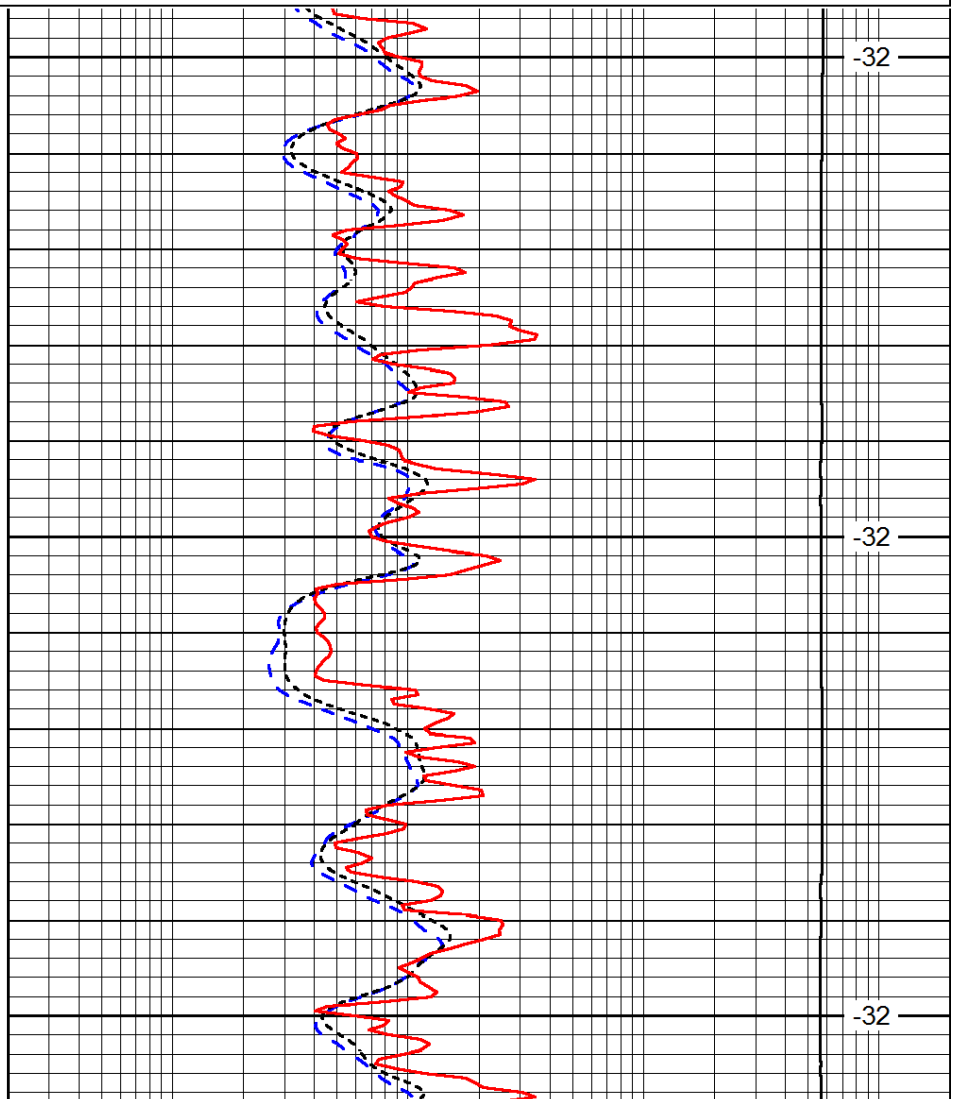




2950

3000

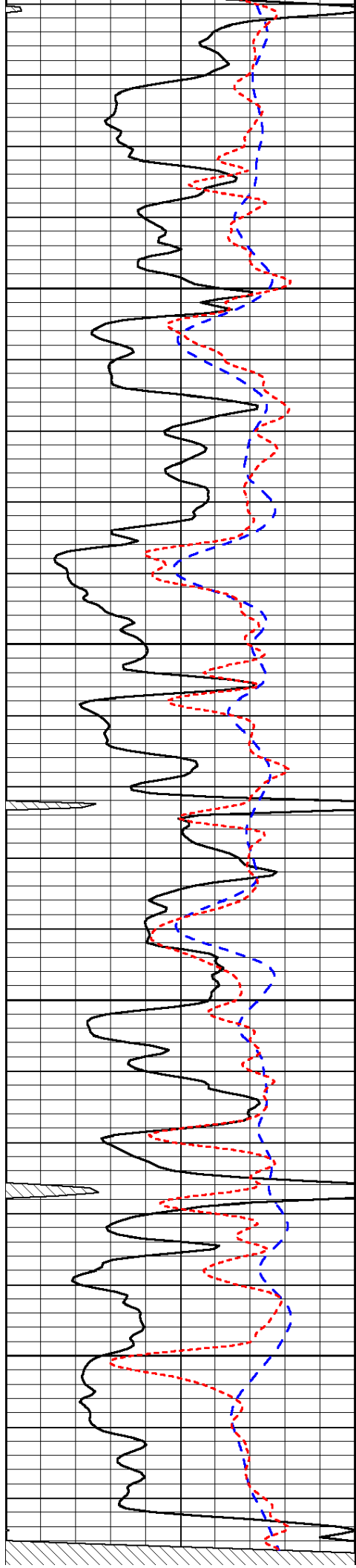
3050



-32

-32

-32



3100

3150

3200

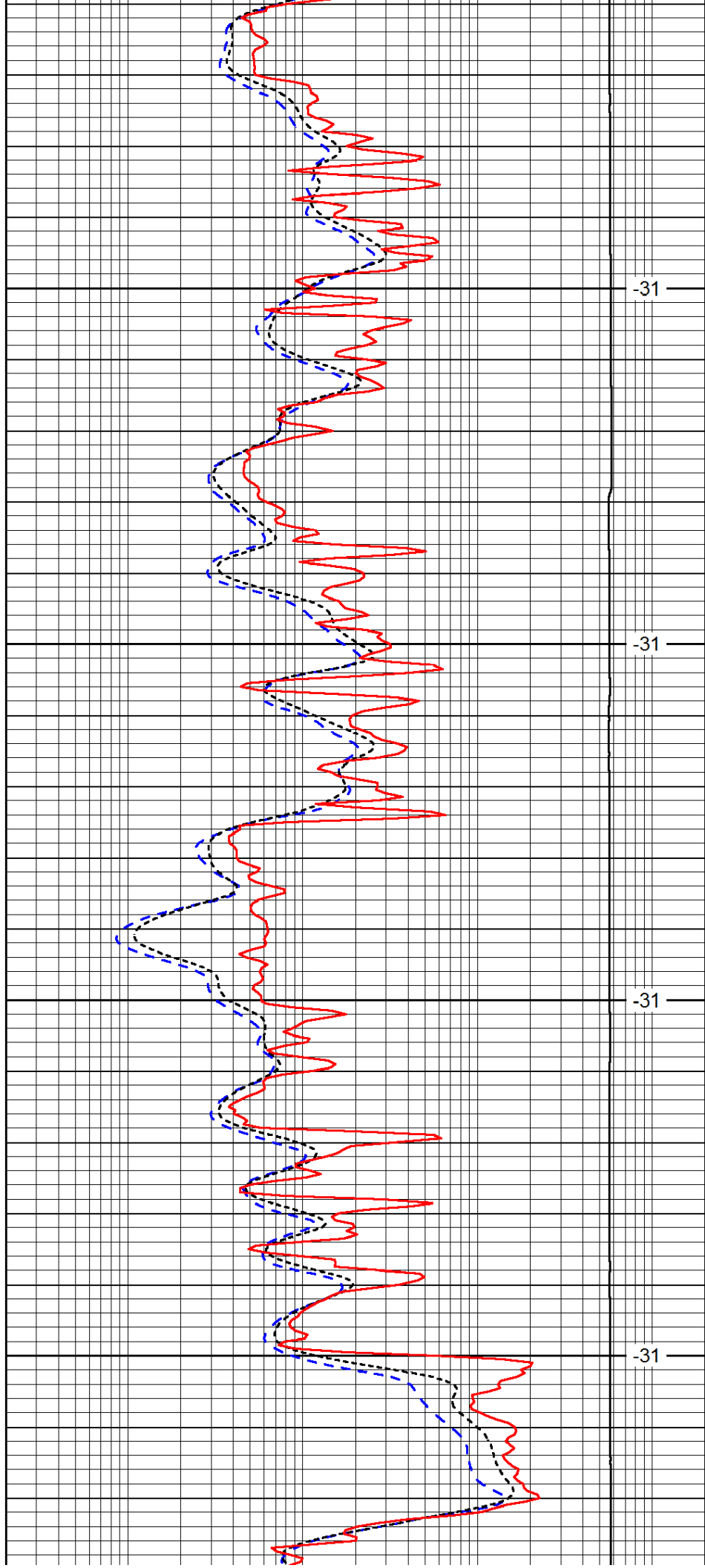
3250

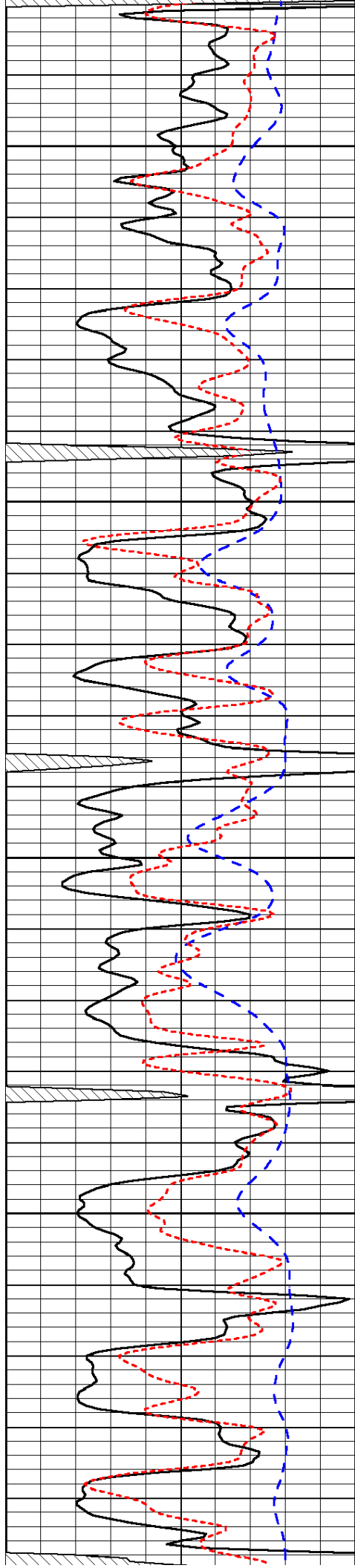
-31

-31

-31

-31





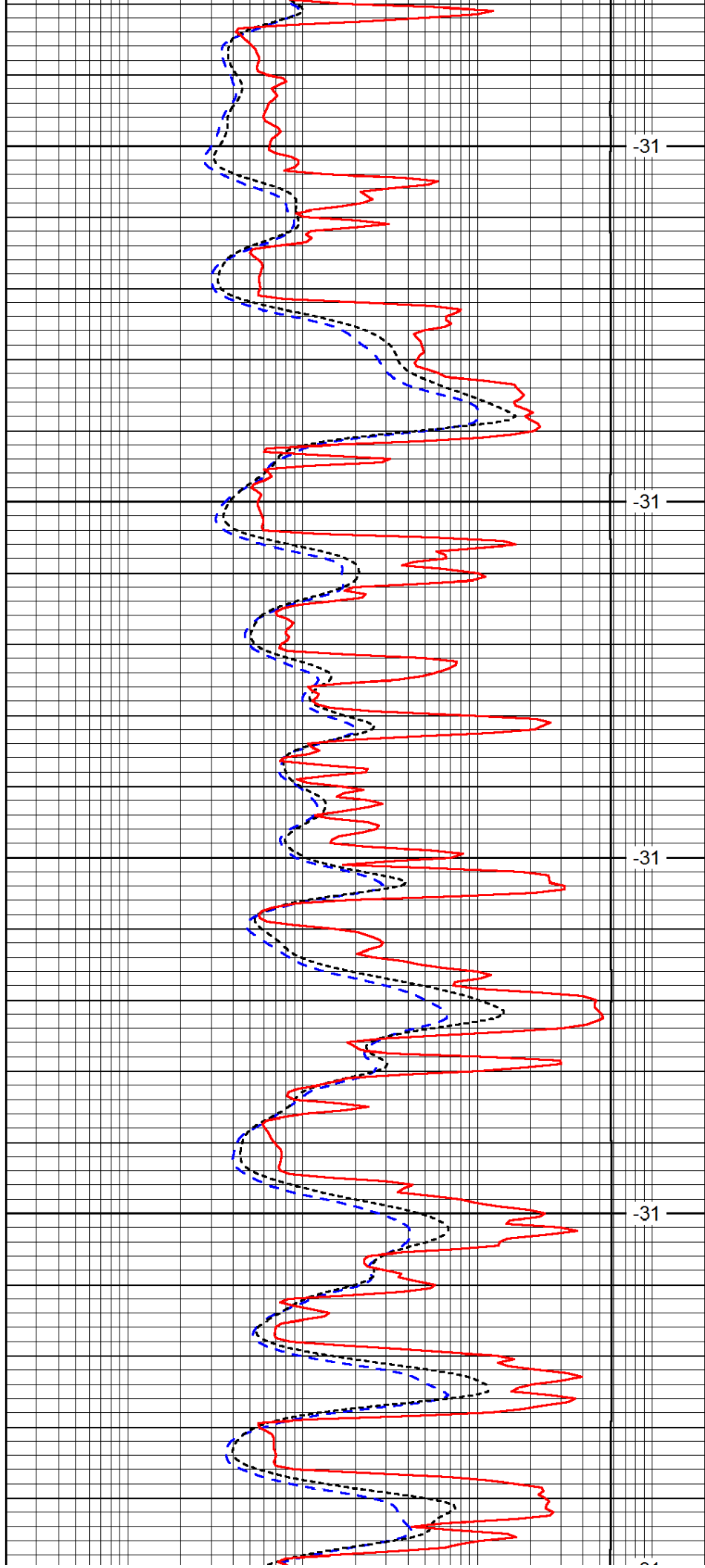
3300

3350

3400

3450

3500



-31

-31

-31

-31

-31

