



Dual Induction Log

Pioneer Energy Services

API No.

15-051-26,308-00-00

Company TDI, Inc.

Well Befort No.1

Field

County

Elilis

State

Kansas

Location

2310' FSL & 1920' FWL

Other Services
CNL/CDL

Sec: 11

Twp: 15S

Rge: 19W

Elevation

K.B. 2050
D.F. 2043
G.L. 2043

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
From Kelly Bushing

7

Ft. Above Perm. Datum

Elevation
K.B. 2050
D.F. 2043
G.L. 2043

Date

8/12/2012

Run Number

One

Depth Driller

3750

Depth Logger

3750

Bottom Logged Interval

3749

Top Log Interval

200

Casing Driller

8.625 @ 211

Casing Logger

210

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8.200

Density / Viscosity

9.3

56

pH / Fluid Loss

10.5

7.8

Source of Sample

Flowline

Rm @ Meas. Temp

.4 @ 77

Rmf @ Meas. Temp

.3 @ 77

Rmc @ Meas. Temp

.54 @ 77

Source of Rmf / Rmc

Charts

Rm @ BHT

.27 @ 114

Operating Rig Time

2 Hours

Max Rec. Temp. F

114

Equipment Number

17

Location

Hays

C. Desaire

Recorded By

Tom Denning

Witnessed By

<<< 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

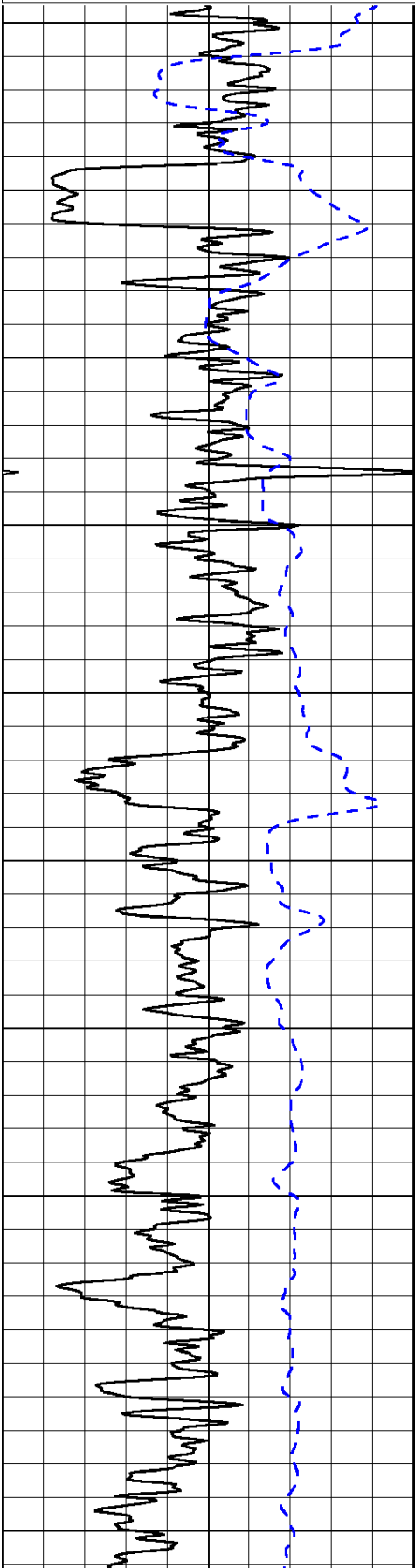
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Antonino KS, 2 S, 1/2 W, N Into

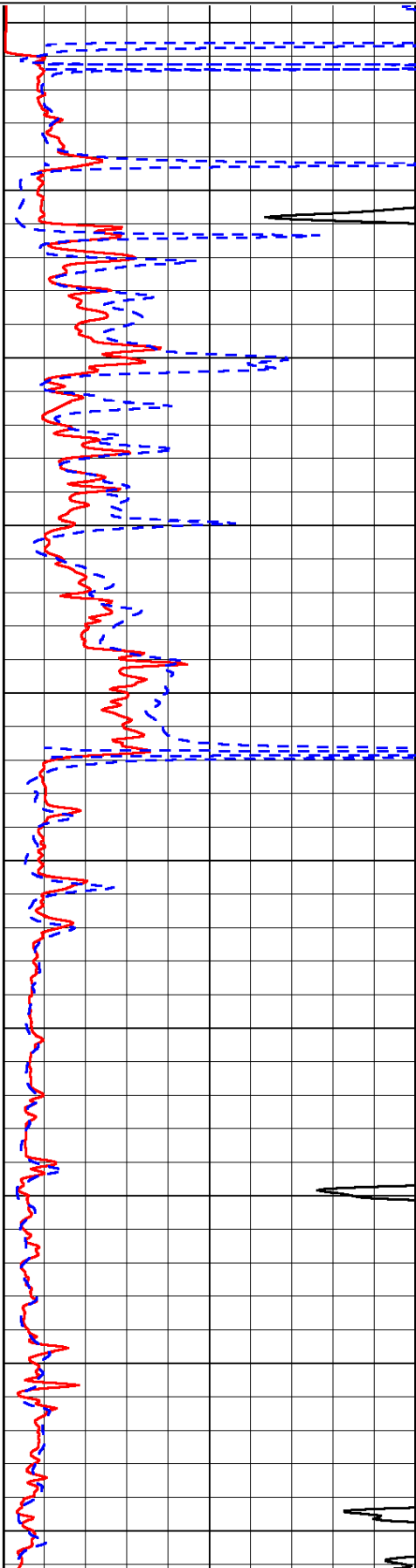
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Presentation Format: dil2in
Dataset Creation: Sun Aug 12 14:33:33 2012
Charted by: Depth in Feet scaled 1:600

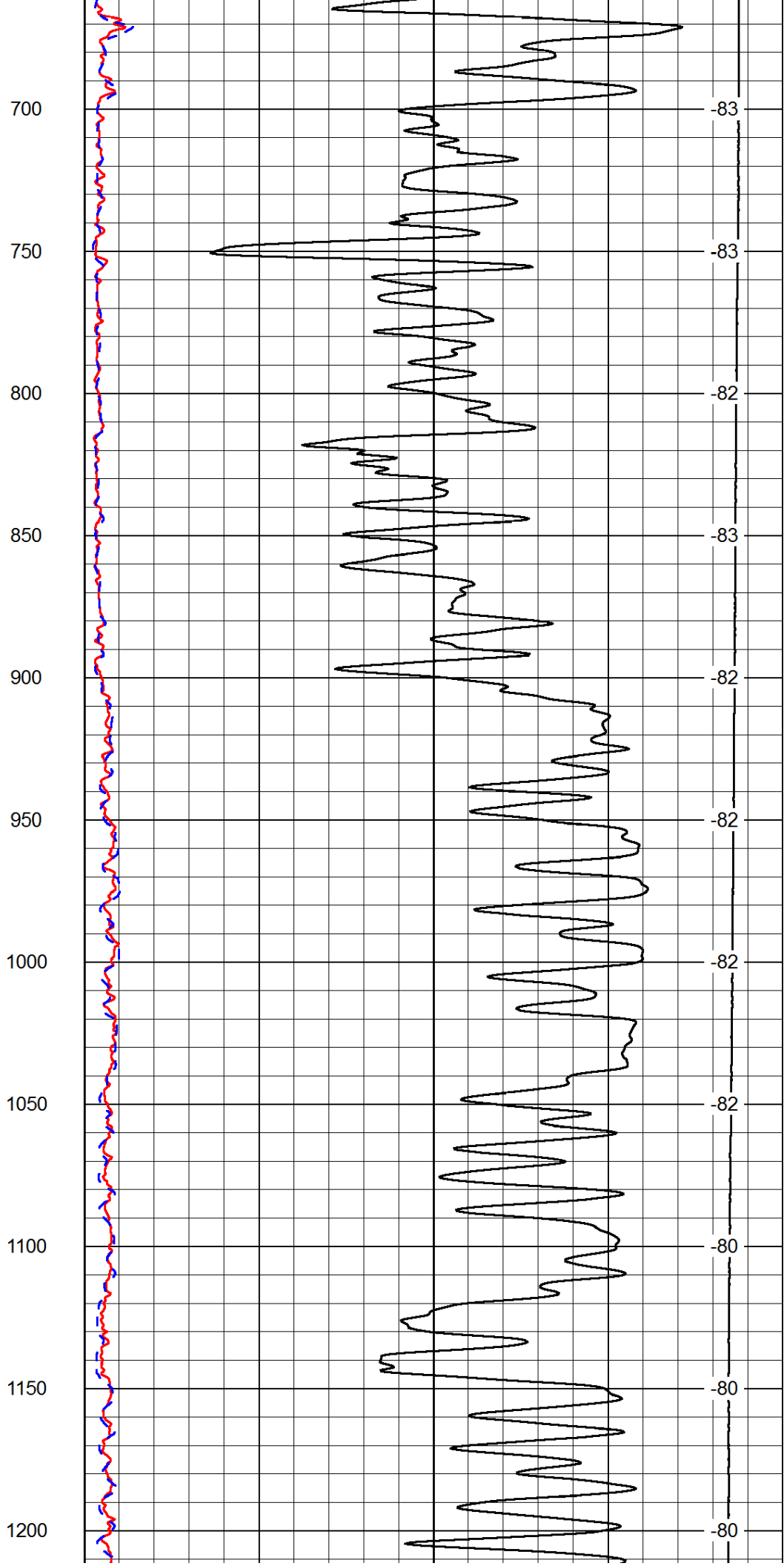
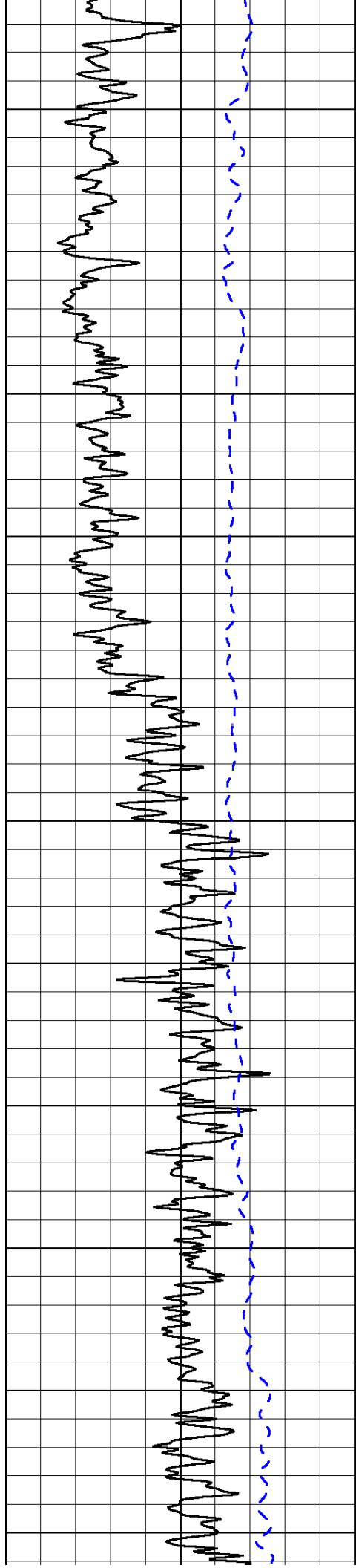
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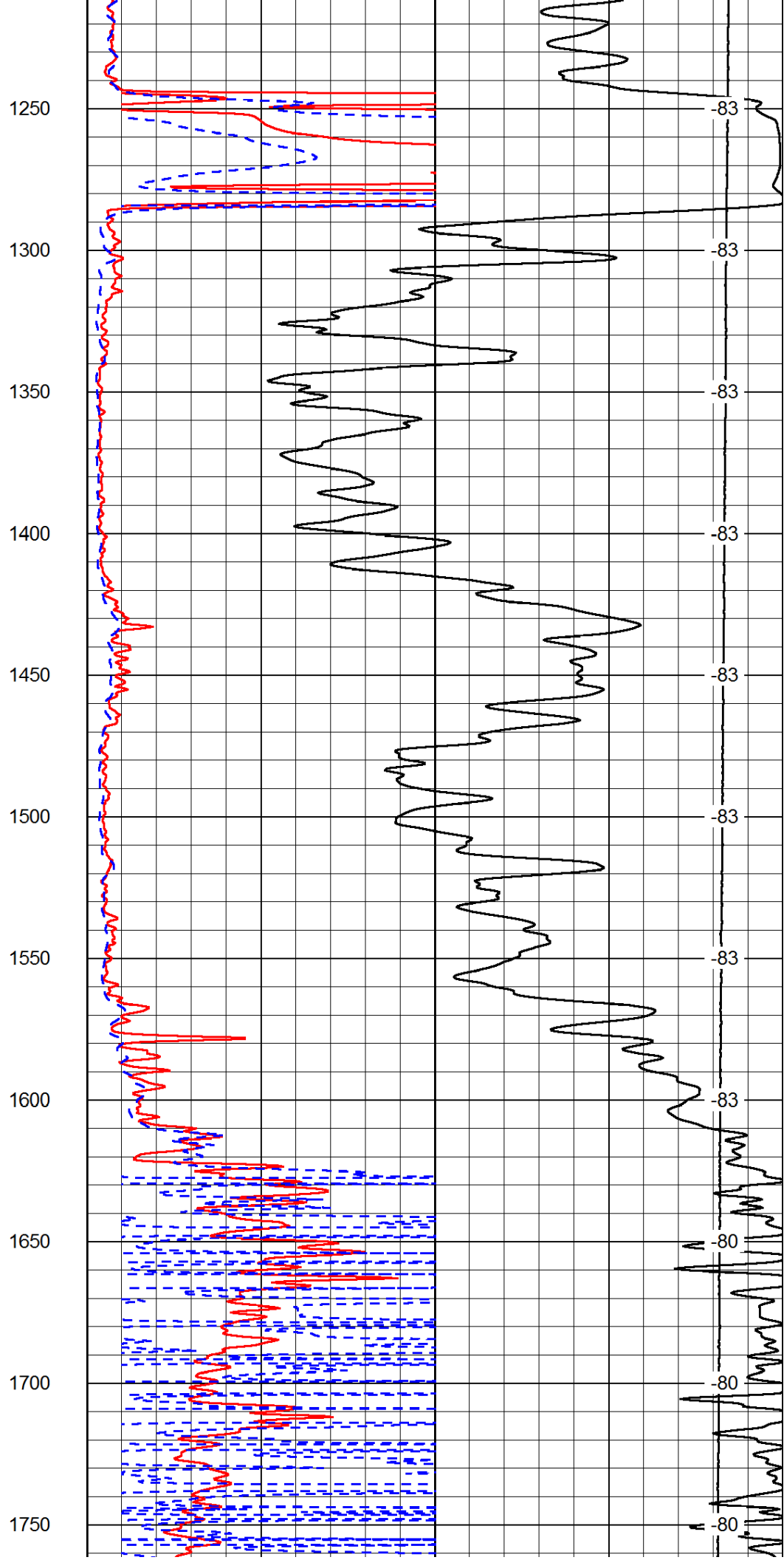
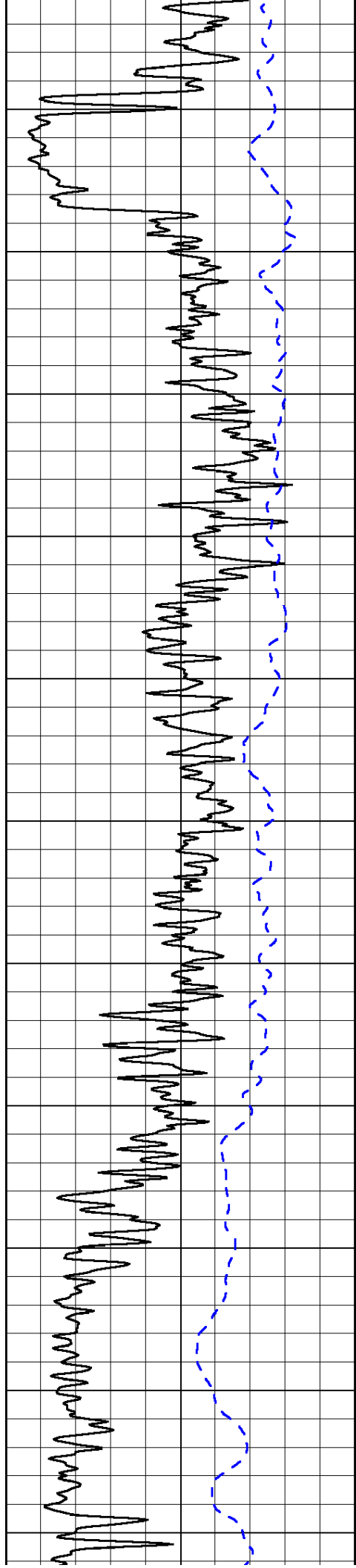
0	Gamma Ray	150
-200	SP (mV)	0

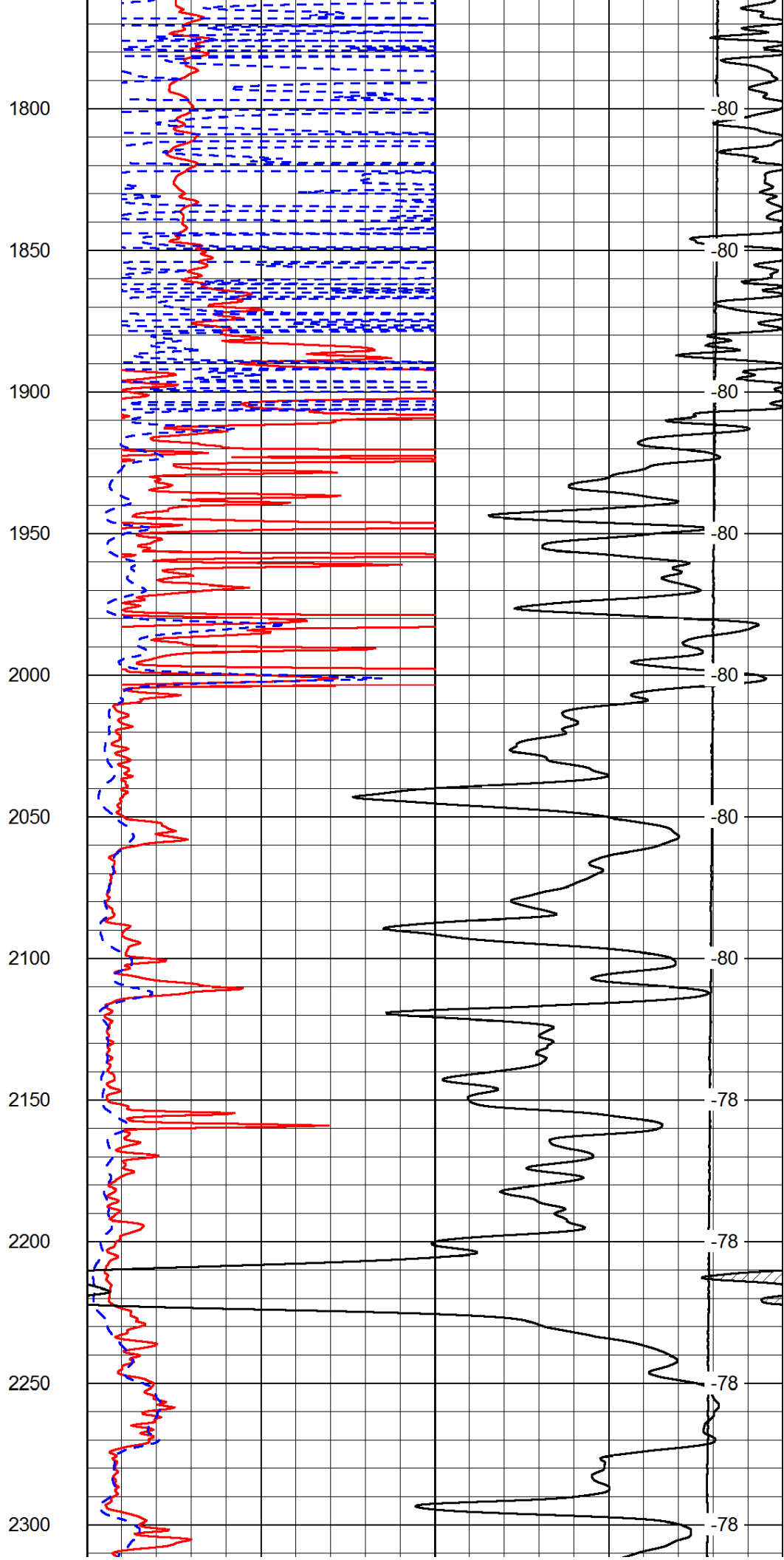
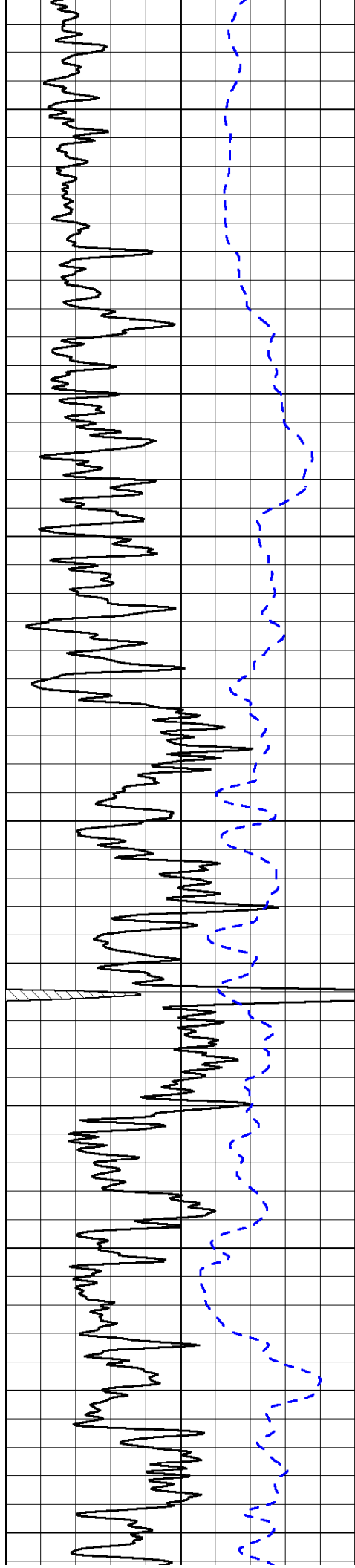


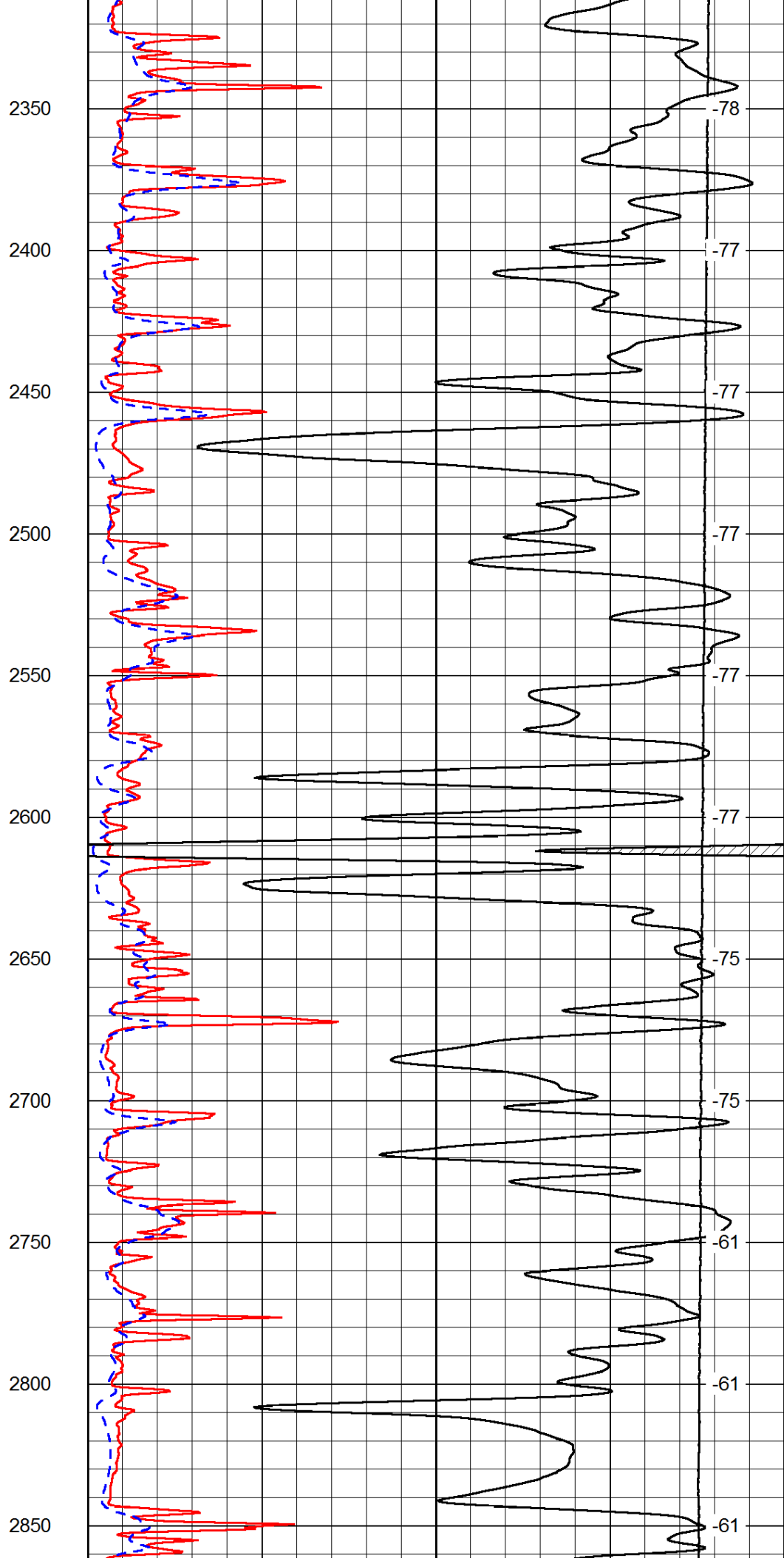
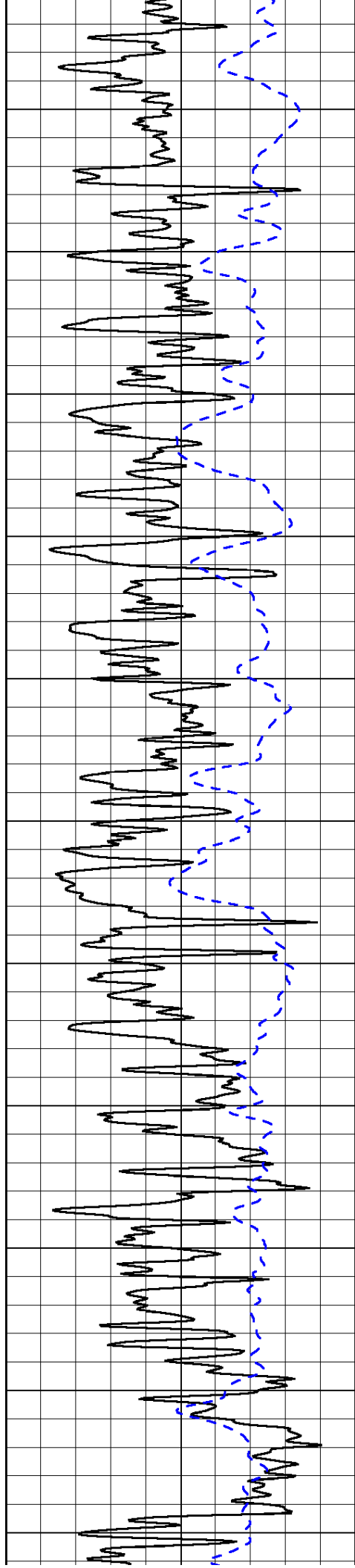
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

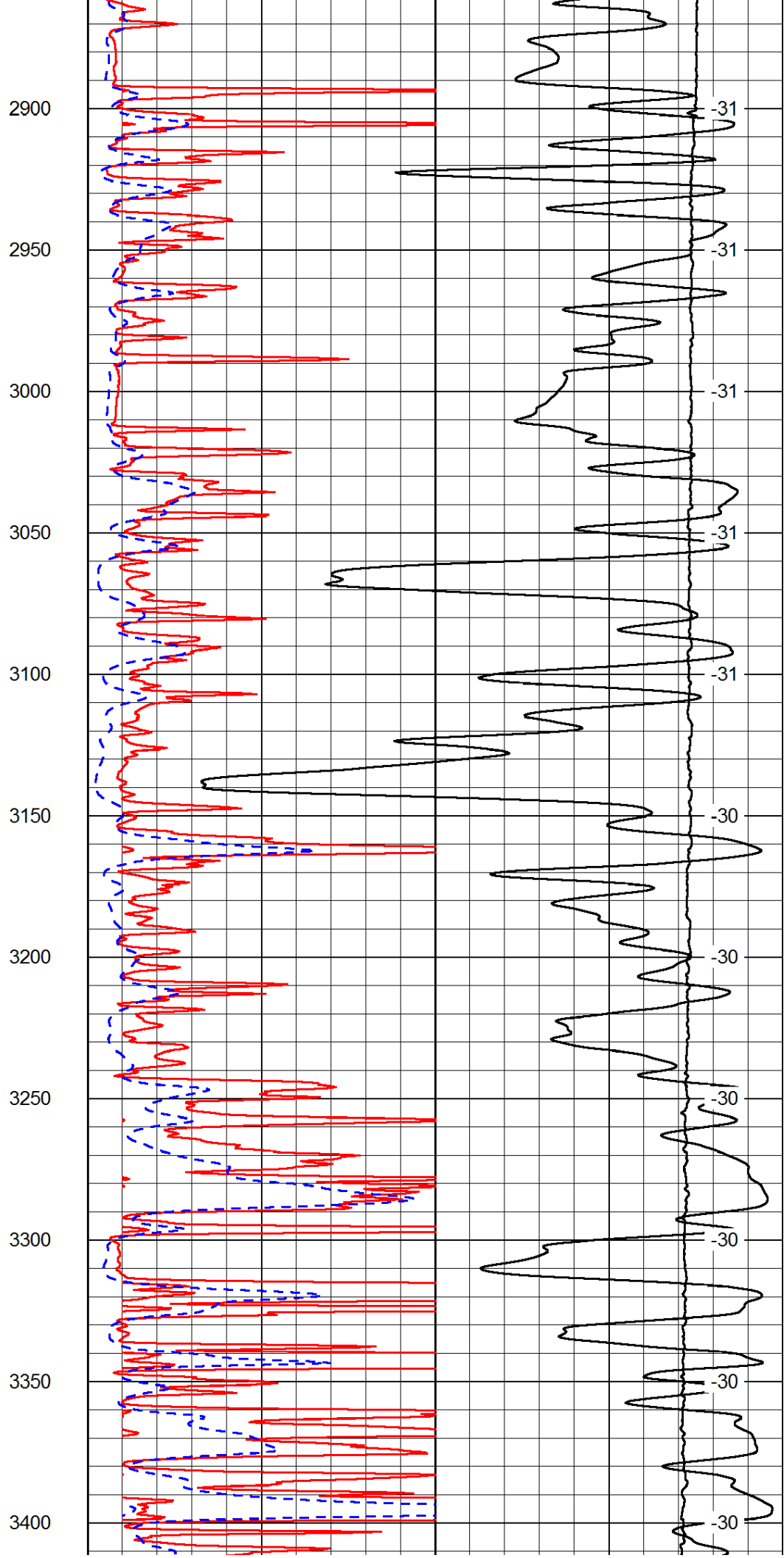
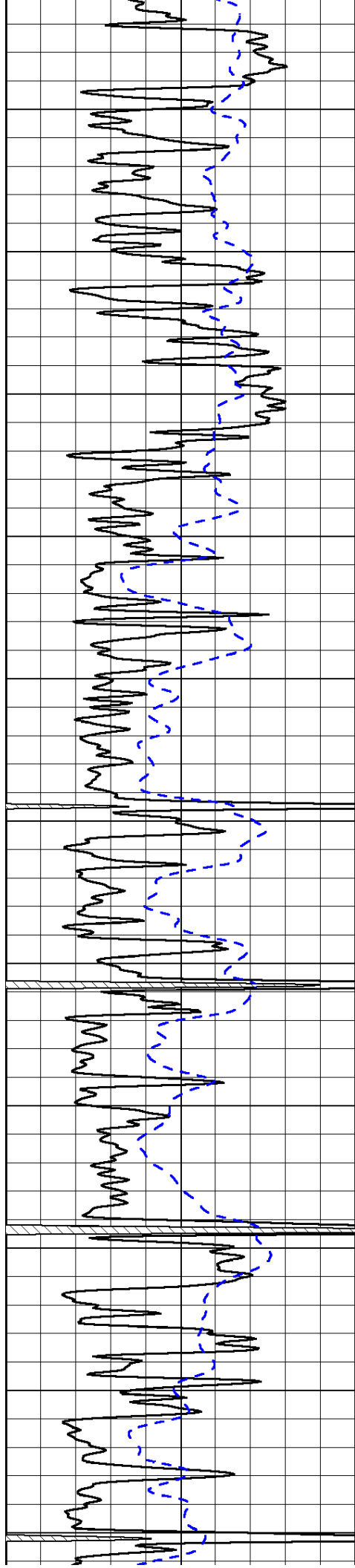


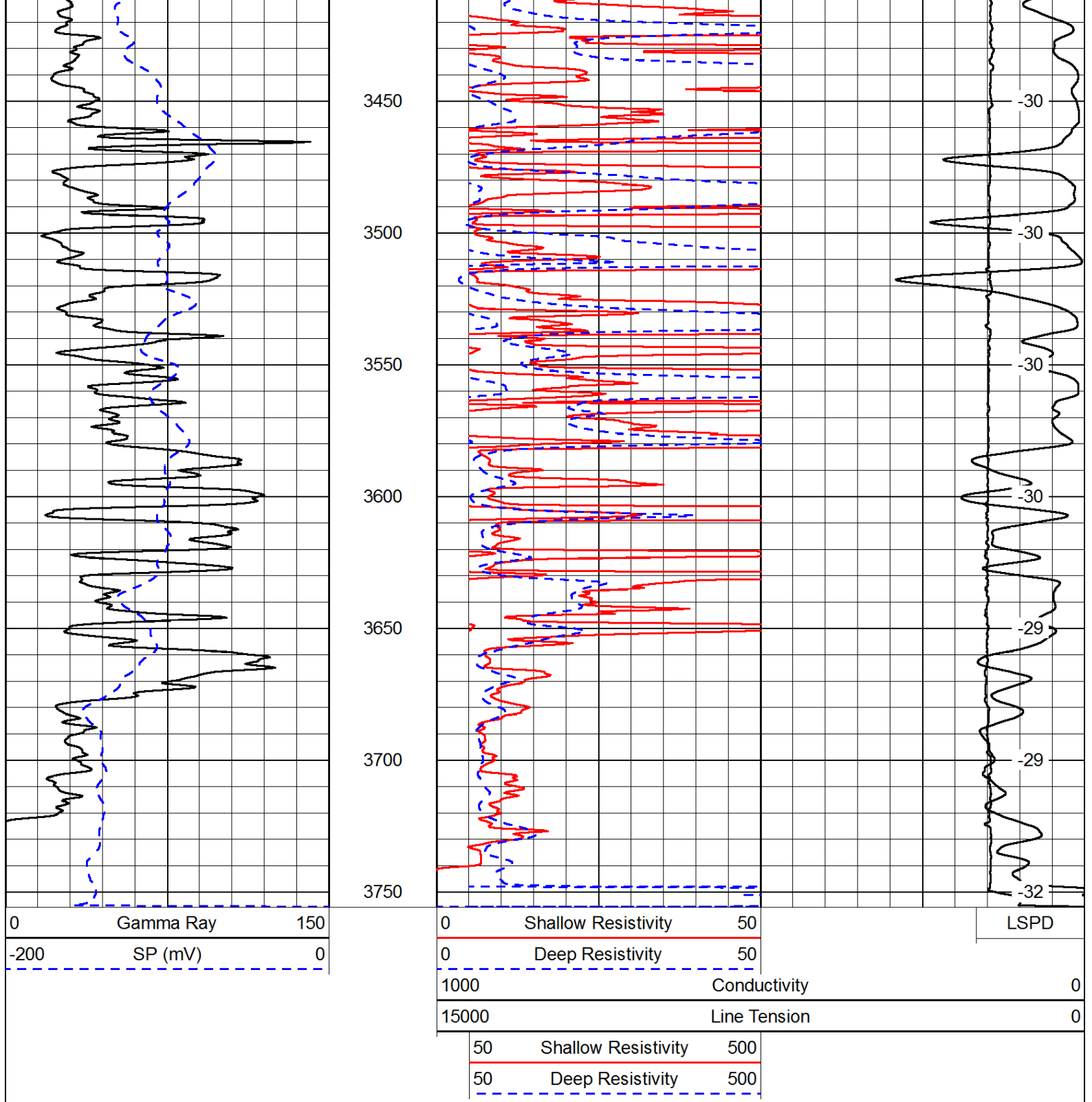




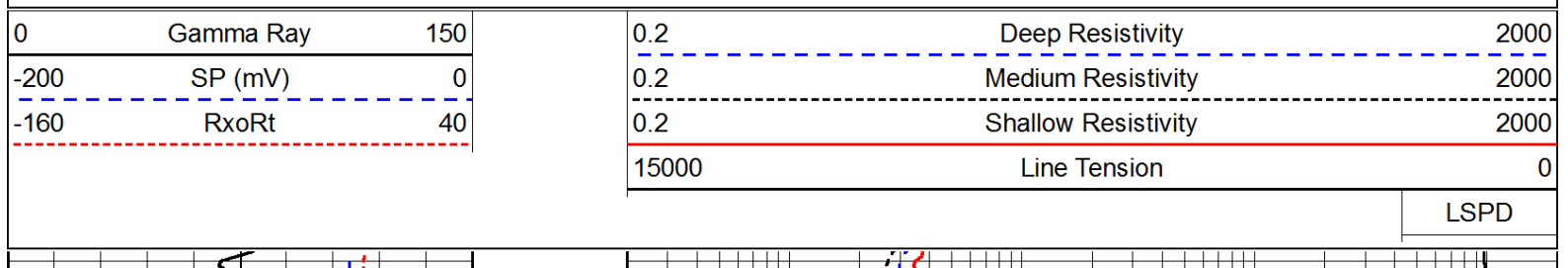


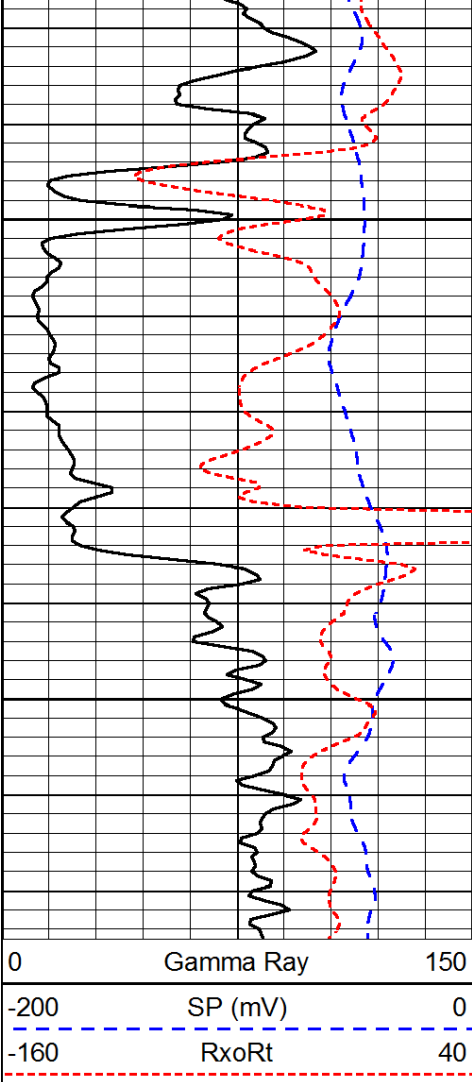






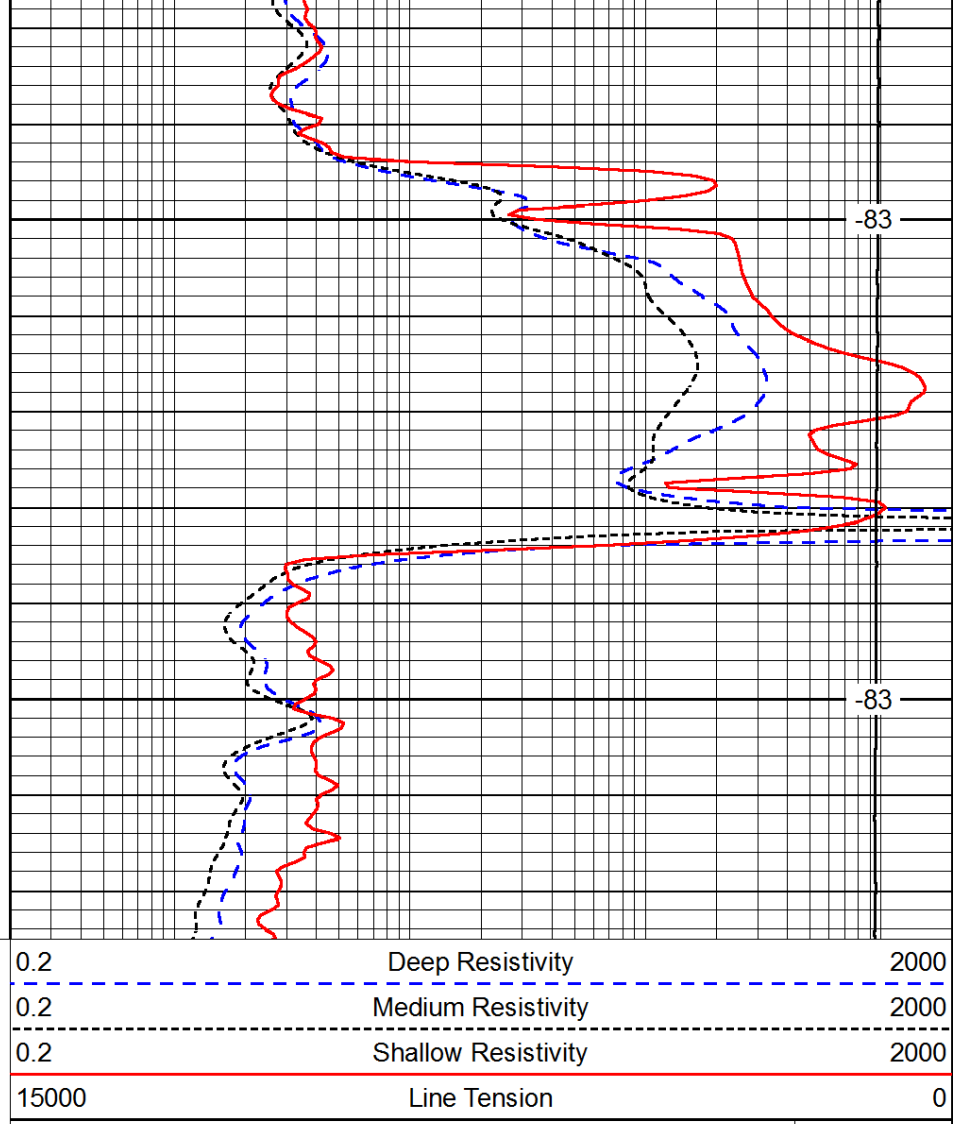
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Dataset Pathname: dil/tdistk
Presentation Format: dil
Dataset Creation: Sun Aug 12 14:33:33 2012
Charted by: Depth in Feet scaled 1:240





1250

1300

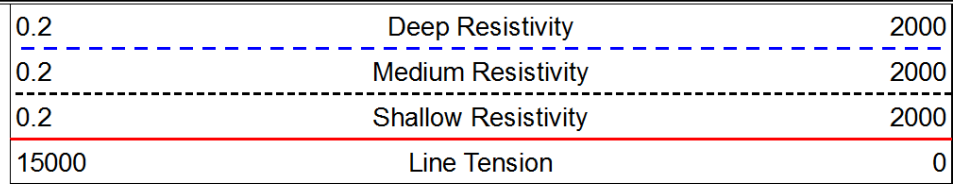
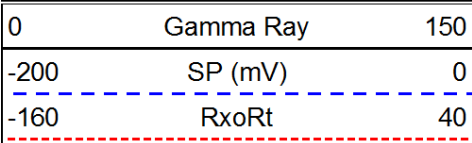


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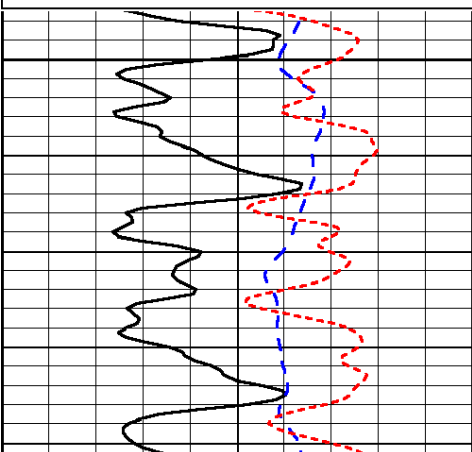
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LSPD

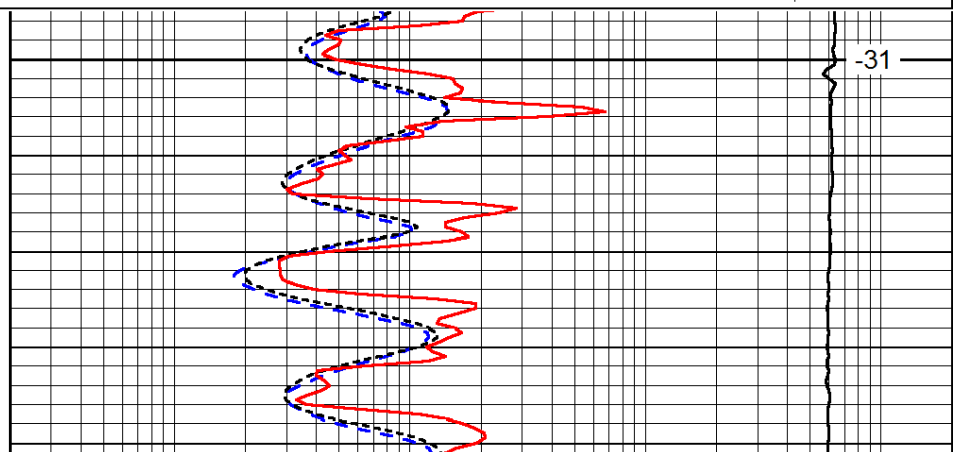
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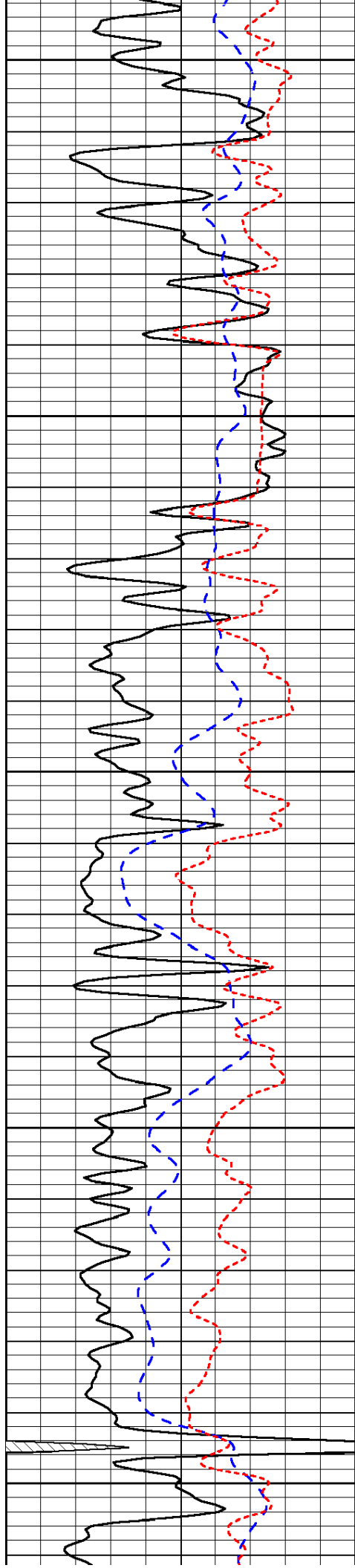
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2900



-31



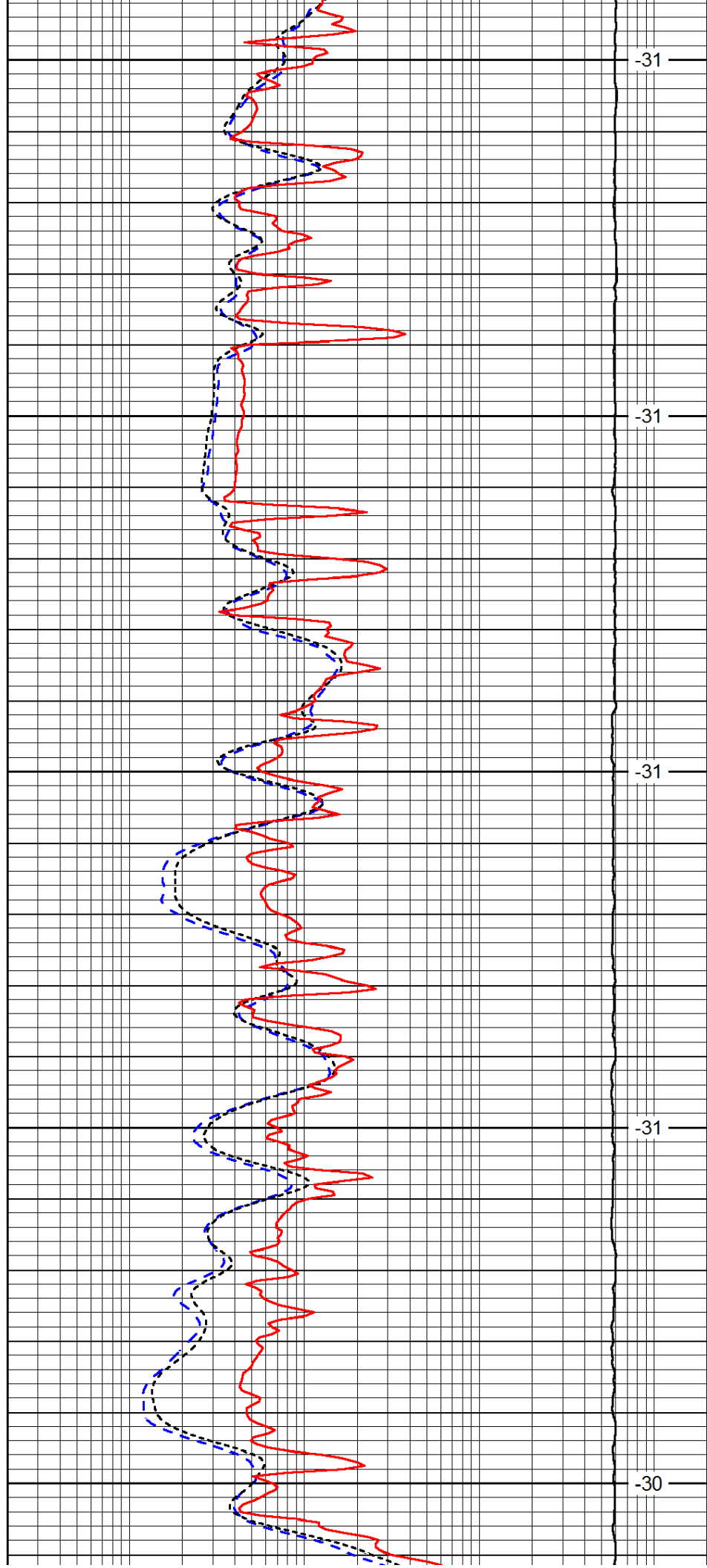
2950

3000

3050

3100

3150



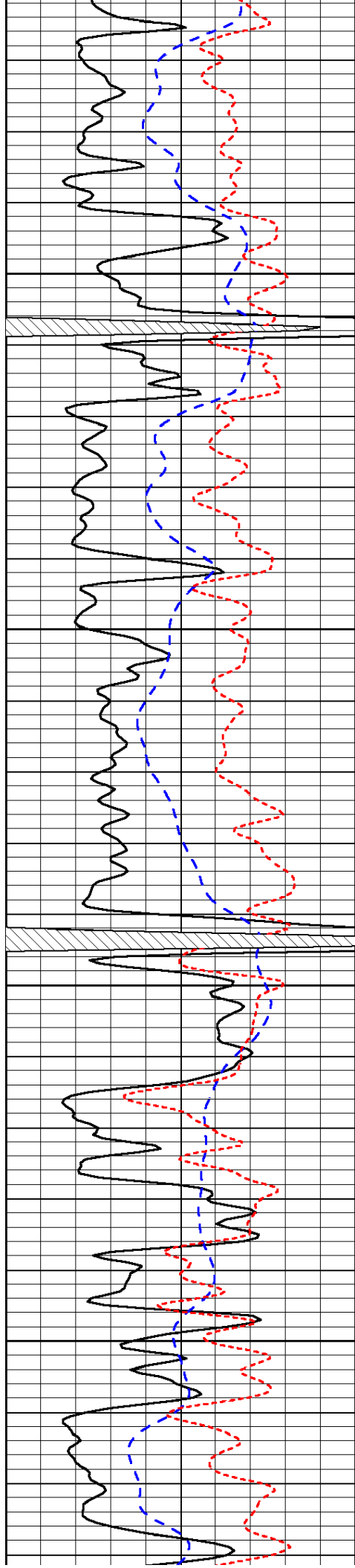
-31

-31

-31

-31

-30

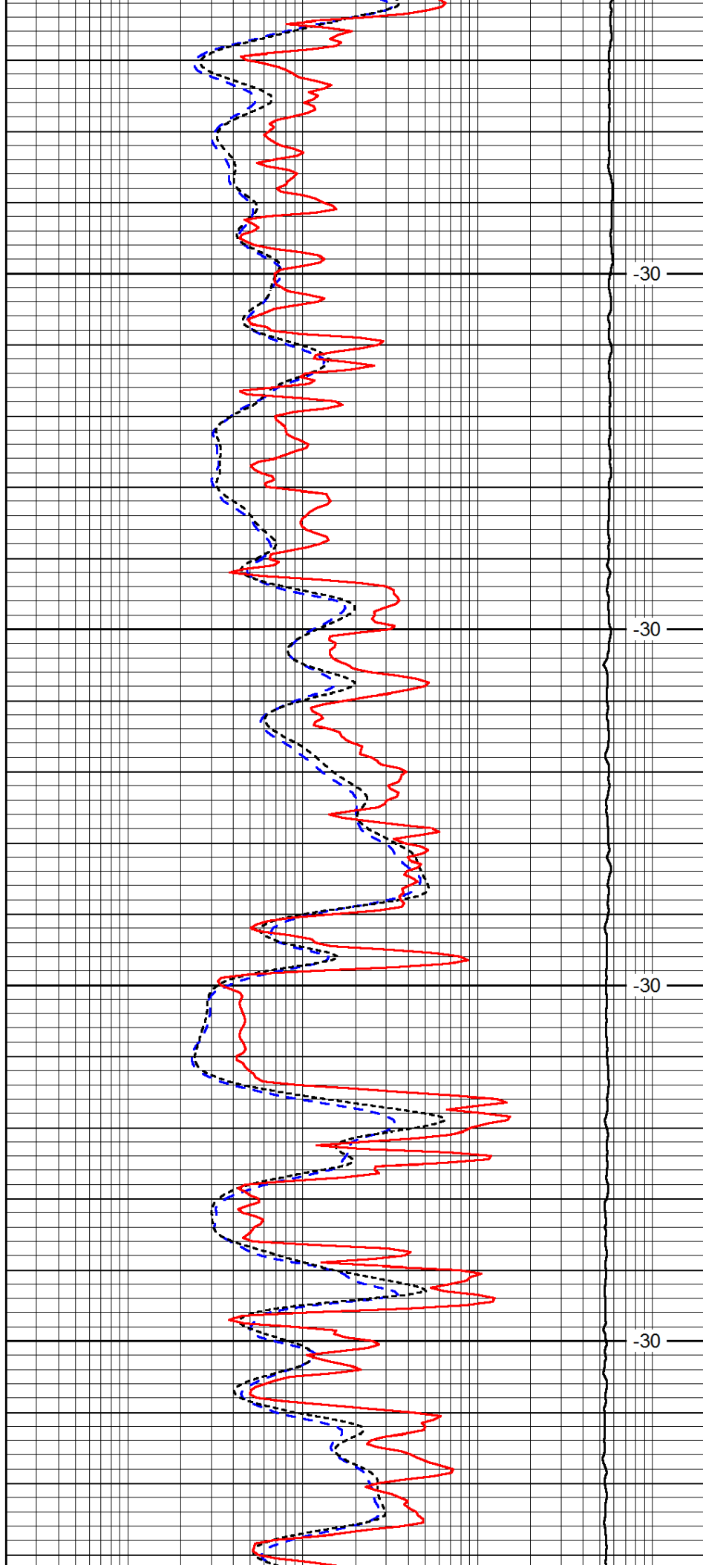


3200

3250

3300

3350

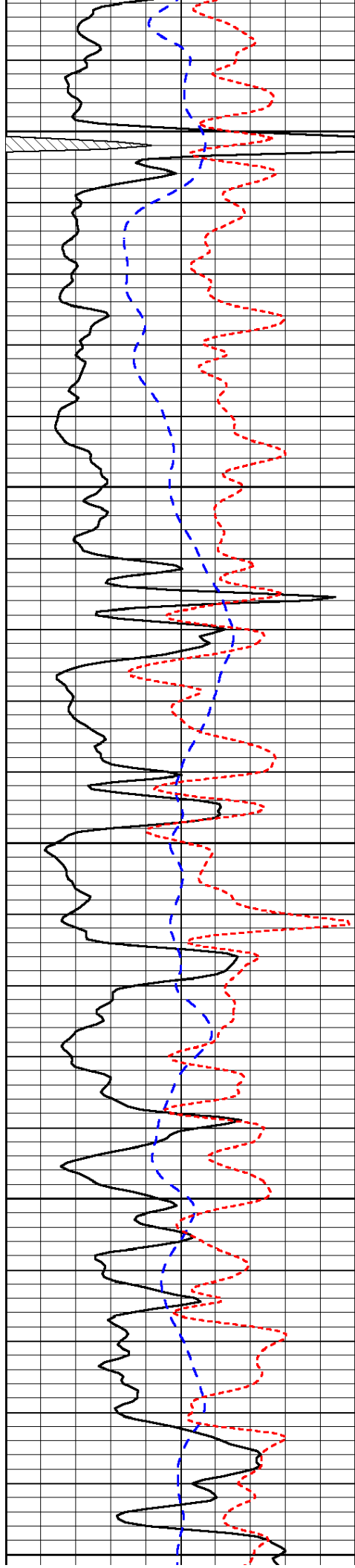


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-30

-30

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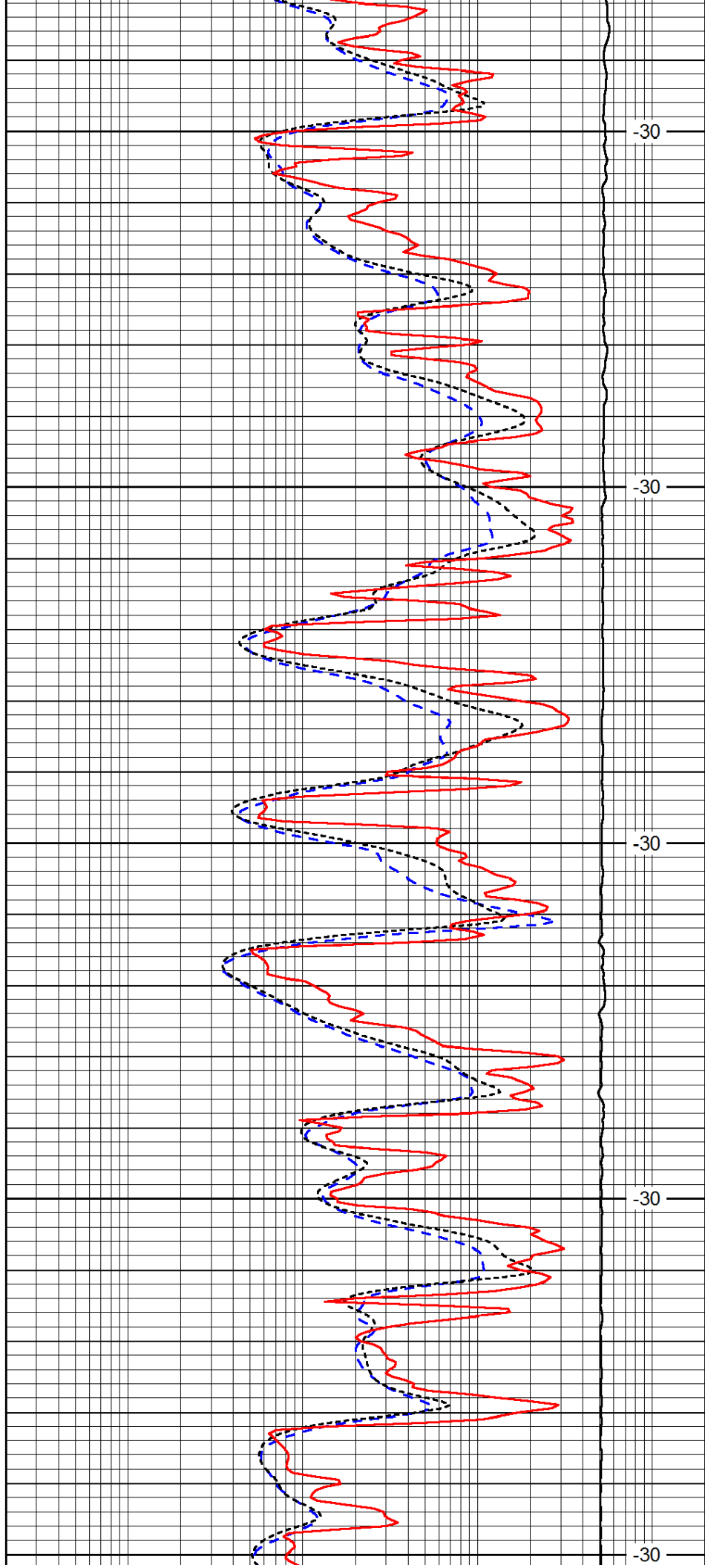
3400

3450

3500

3550

3600



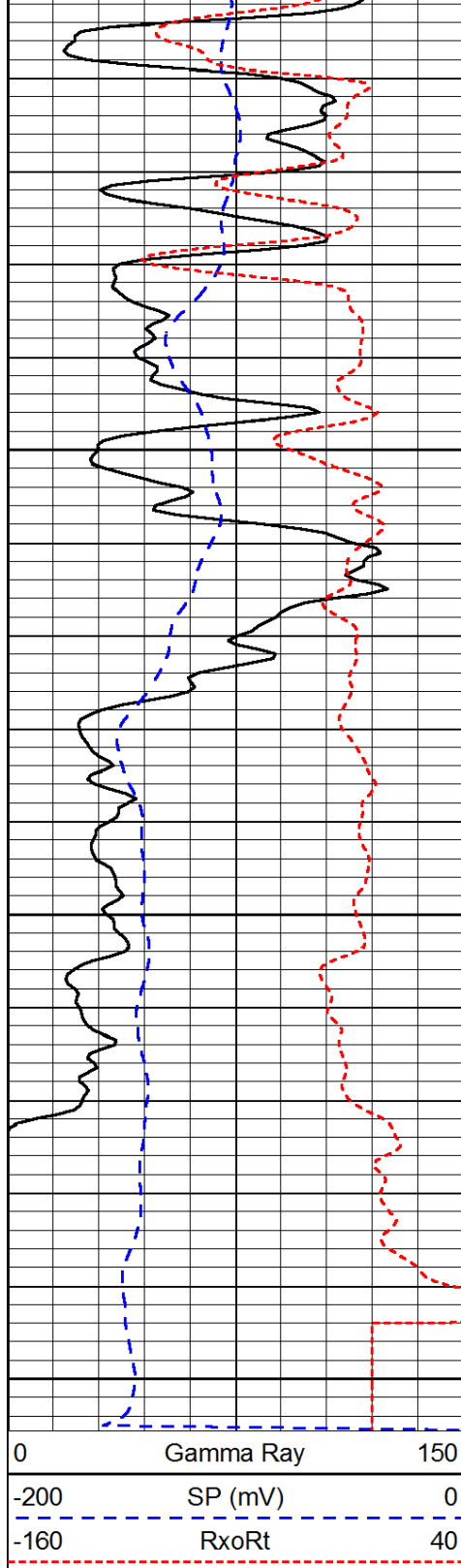
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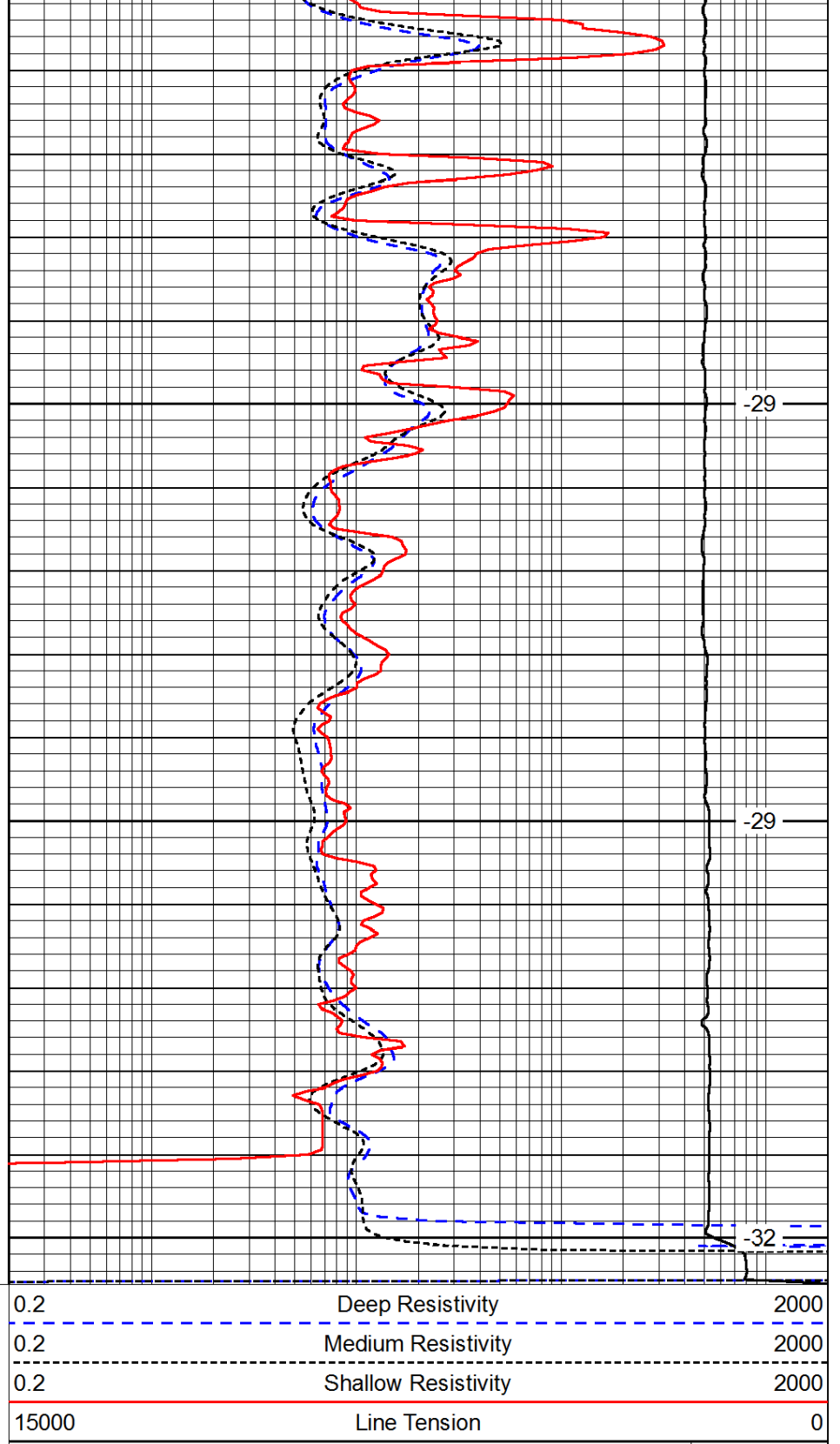
-30



3650

3700

3750



-29

-29

-32

LSPD