



Pioneer Energy Services

Dual Induction Log

15-051-26,533-00-00

API No.

Company **TDI, Inc.**

Well **Rossie # 1**

Field **Unnamed**

County **Eljis** State

Kansas

Location

**S2-N2-NW-SE
2010' FSL & 1980' FEL**

Other Services
CNL/CDL
MEL

Sec: **18** Twp: **12S** Rge: **18W**

Permanent Datum **Ground Level** Elevation **2203**
Log Measured From **Kelly Bushing** **10 Ft. Above Perm. Datum**
Drilling Measured From **Kelly Bushing**

Elevation
K.B. 2213
D.F. 2203
G.L. 2203

Date **7/10/2013**

Run Number **One**

Depth Driller **3939**

Depth Logger **3944**

Bottom Logged Interval **3943**

Top Log Interval **200**

Casing Driller **8.625 @ 222**

Casing Logger **218**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity,ppm CL **1,400**

Density / Viscosity **9.2 61**

pH / Fluid Loss **10.5 6.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **.50 @ 90**

Rmf @ Meas. Temp **.38 @ 90**

Rmc @ Meas. Temp **.68 @ 90**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.39 @ 115**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **115**

Equipment Number **15**

Location **Hays**

Recorded By **J. Hennickson**

Witnessed By **Herb Deines**

T. Martin

Tom Denning

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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
 Hays Kansas
 North to Buckeye Rd, 2 West, 1/4 North, West Into

Database File: c:\warrior\data\tdi_rossie #1\tdi_rossie_1hd.db
 Dataset Pathname: DIL\tdistk
 Presentation Format: dil2in
 Dataset Creation: Wed Jul 10 22:53:41 2013
 Charted by: Depth in Feet scaled 1:600

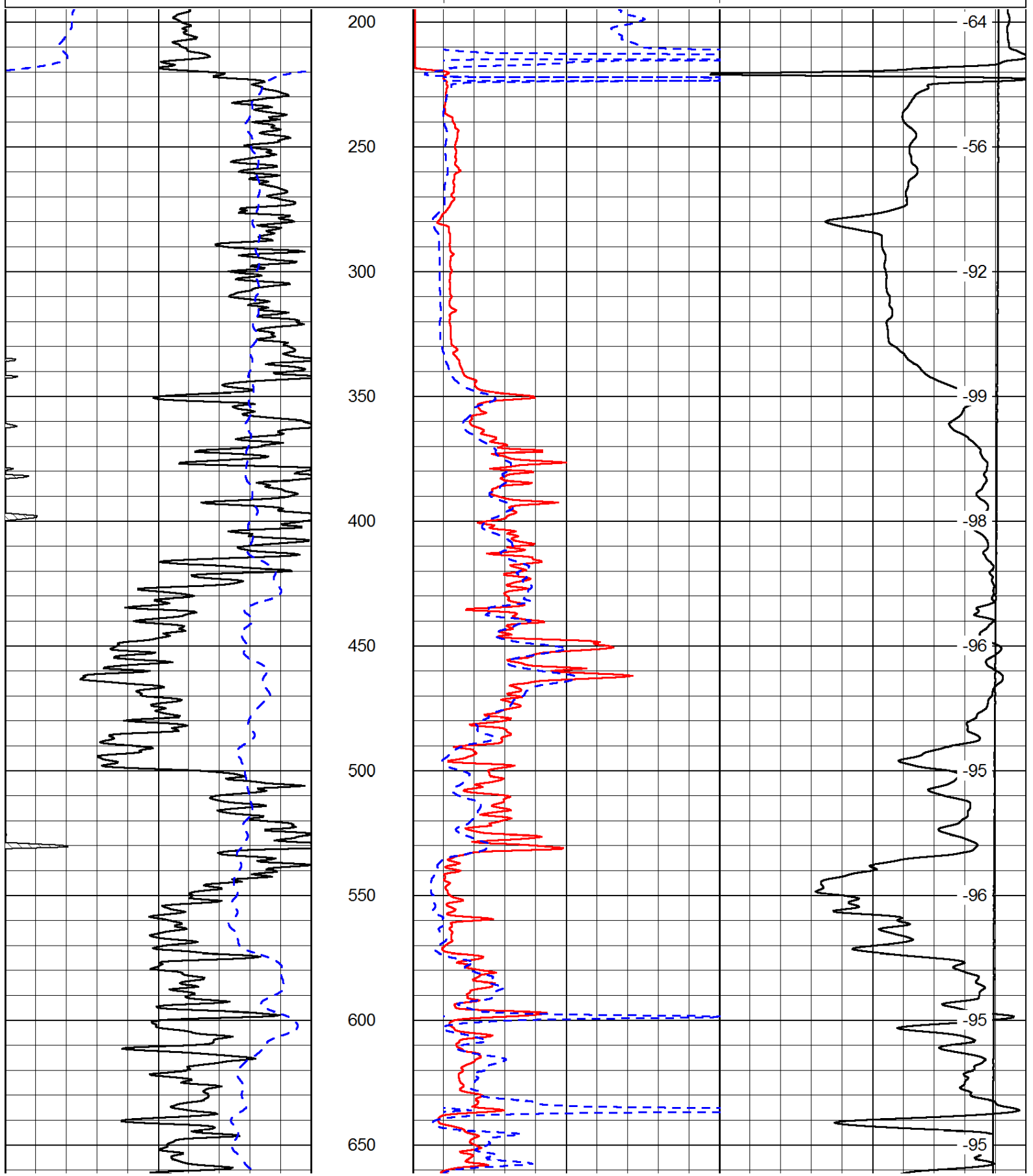
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-200	SP (mV)	0

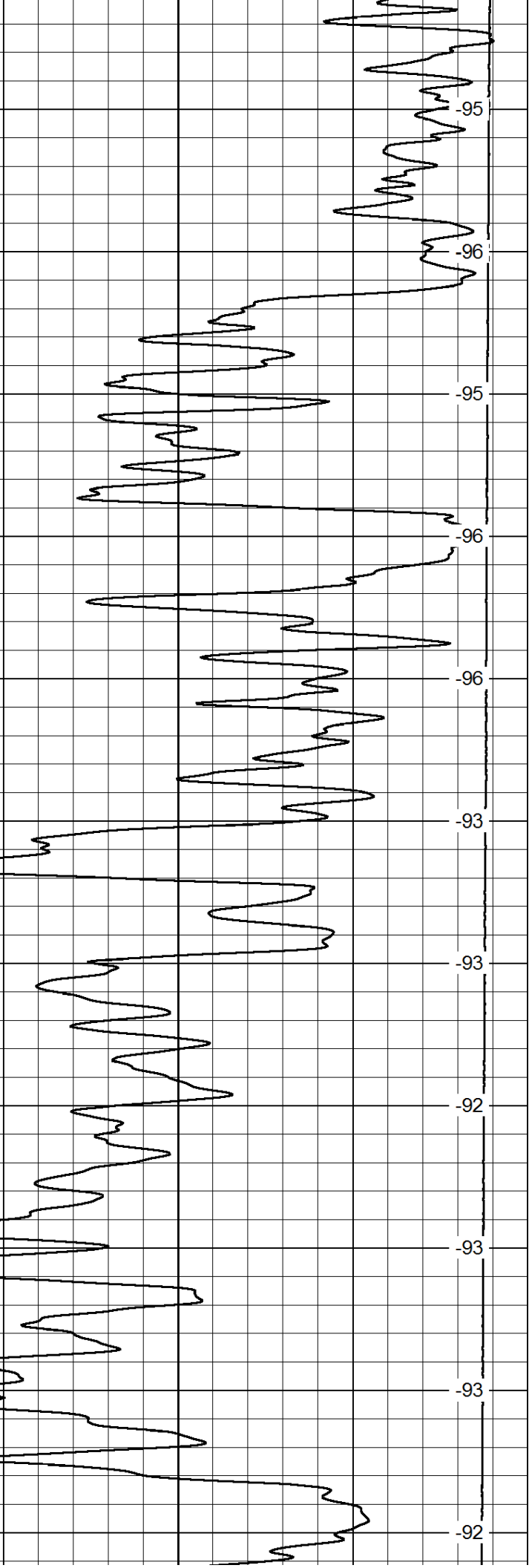
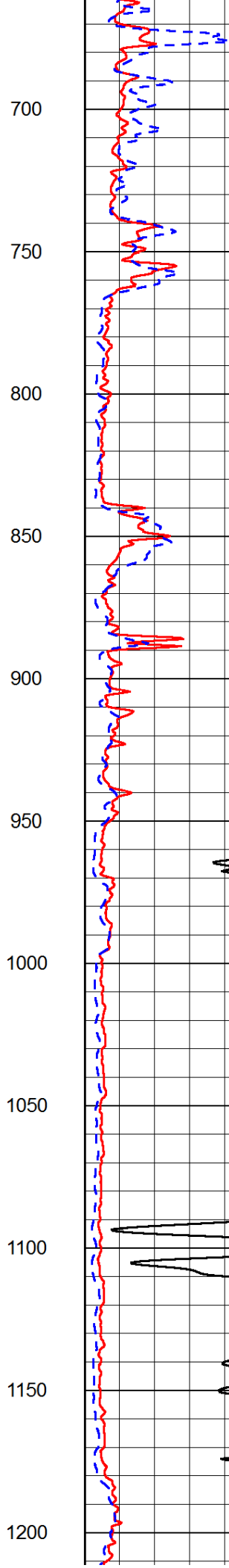
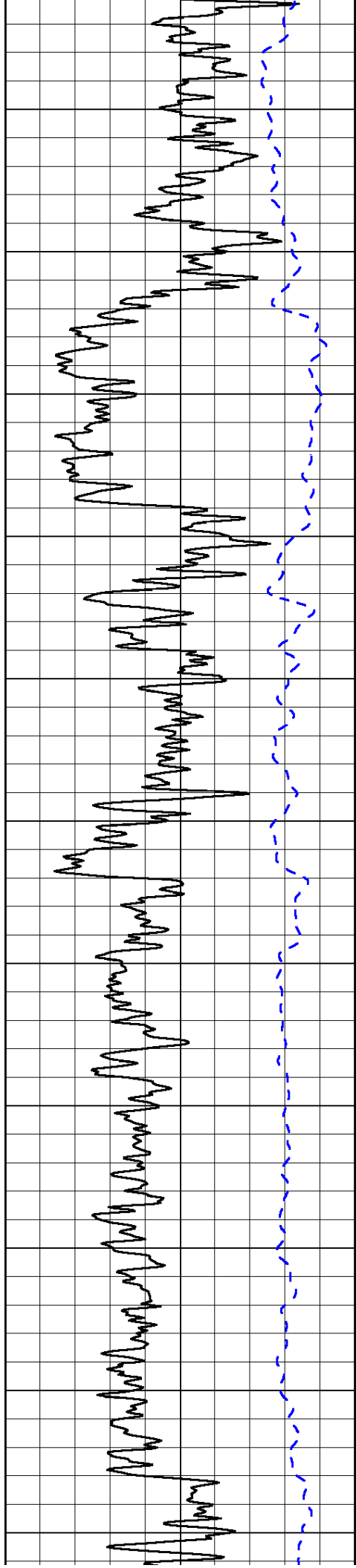
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0	Deep Resistivity	50

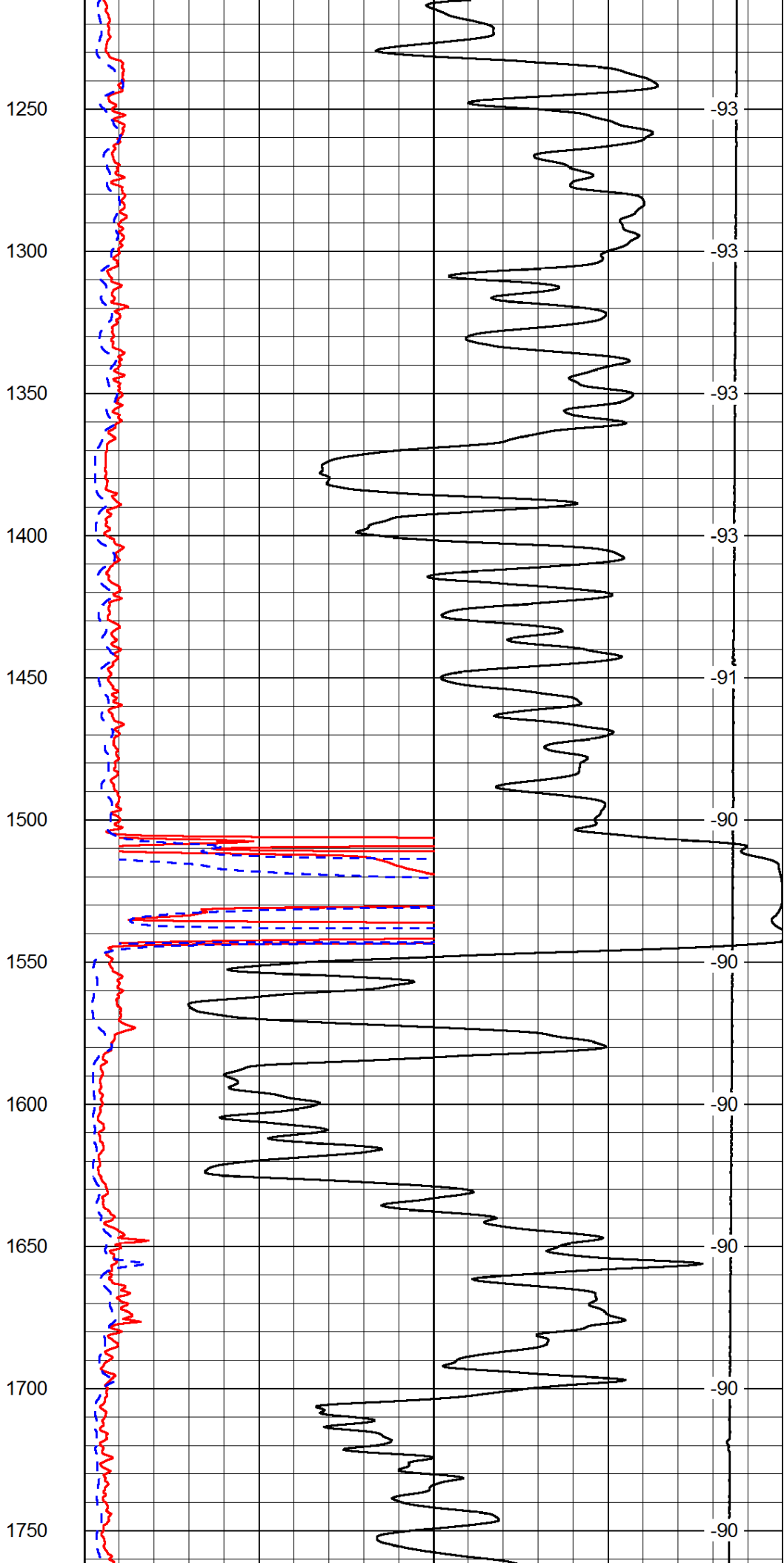
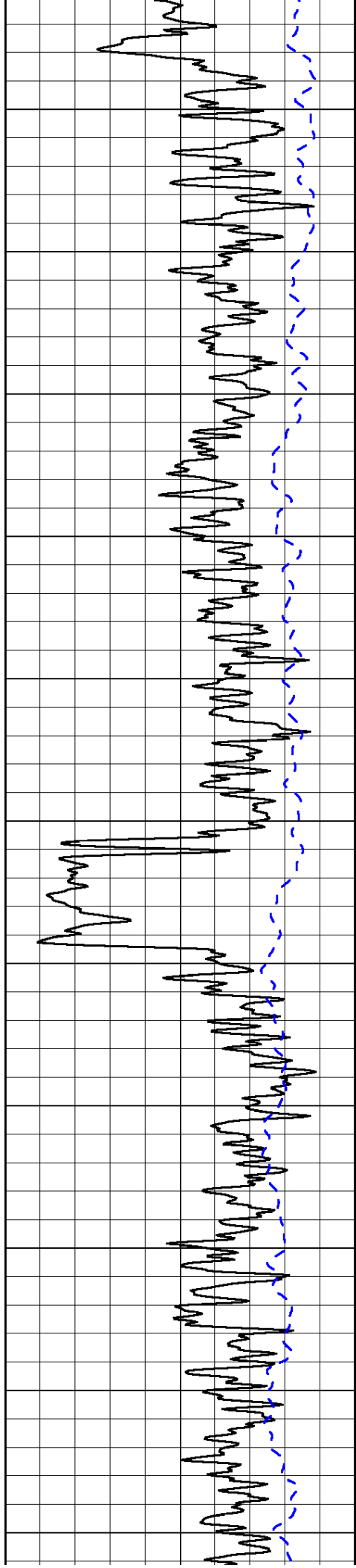
LSPD

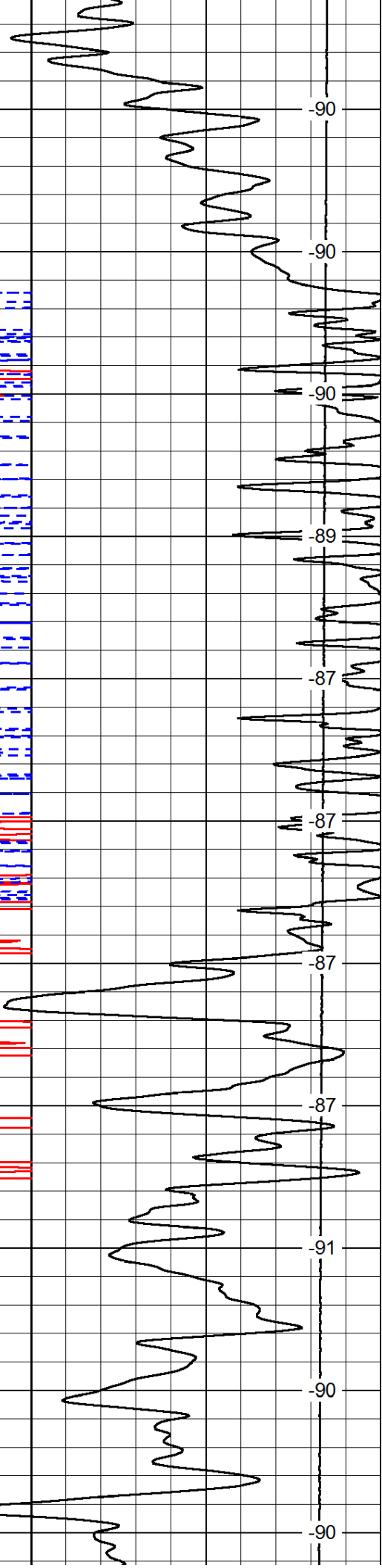
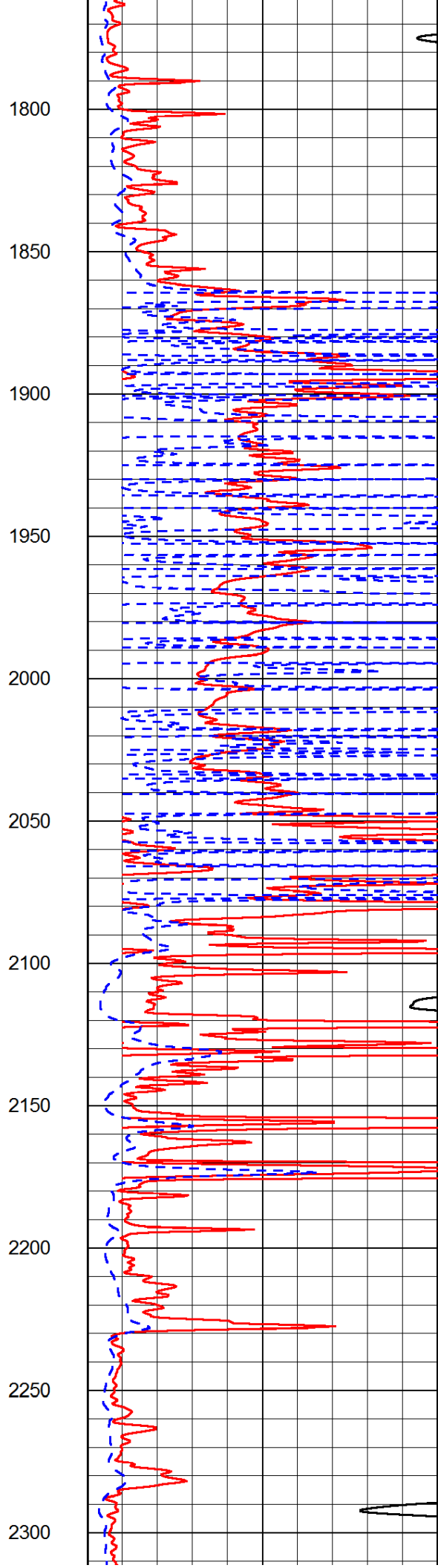
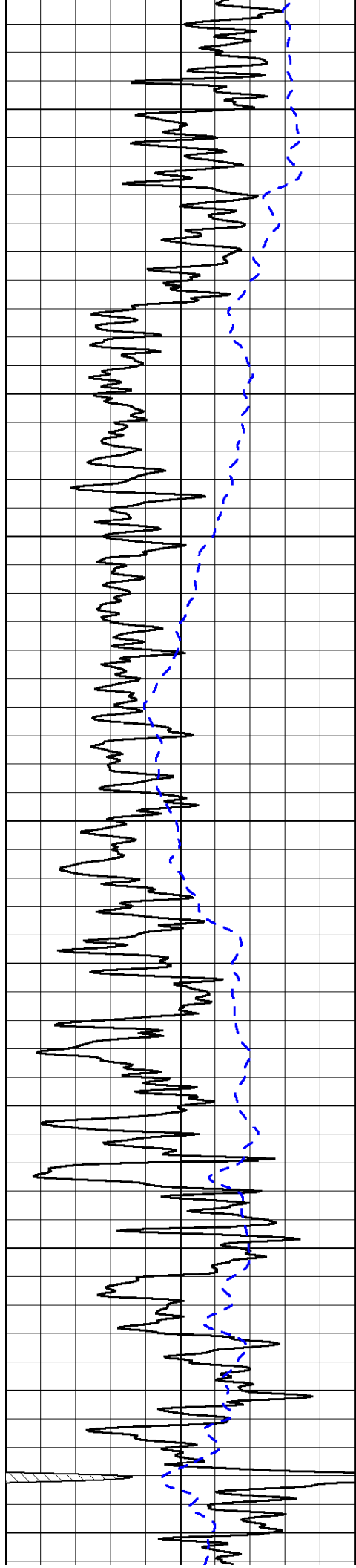
1000	Conductivity	0
15000	Line Tension	0

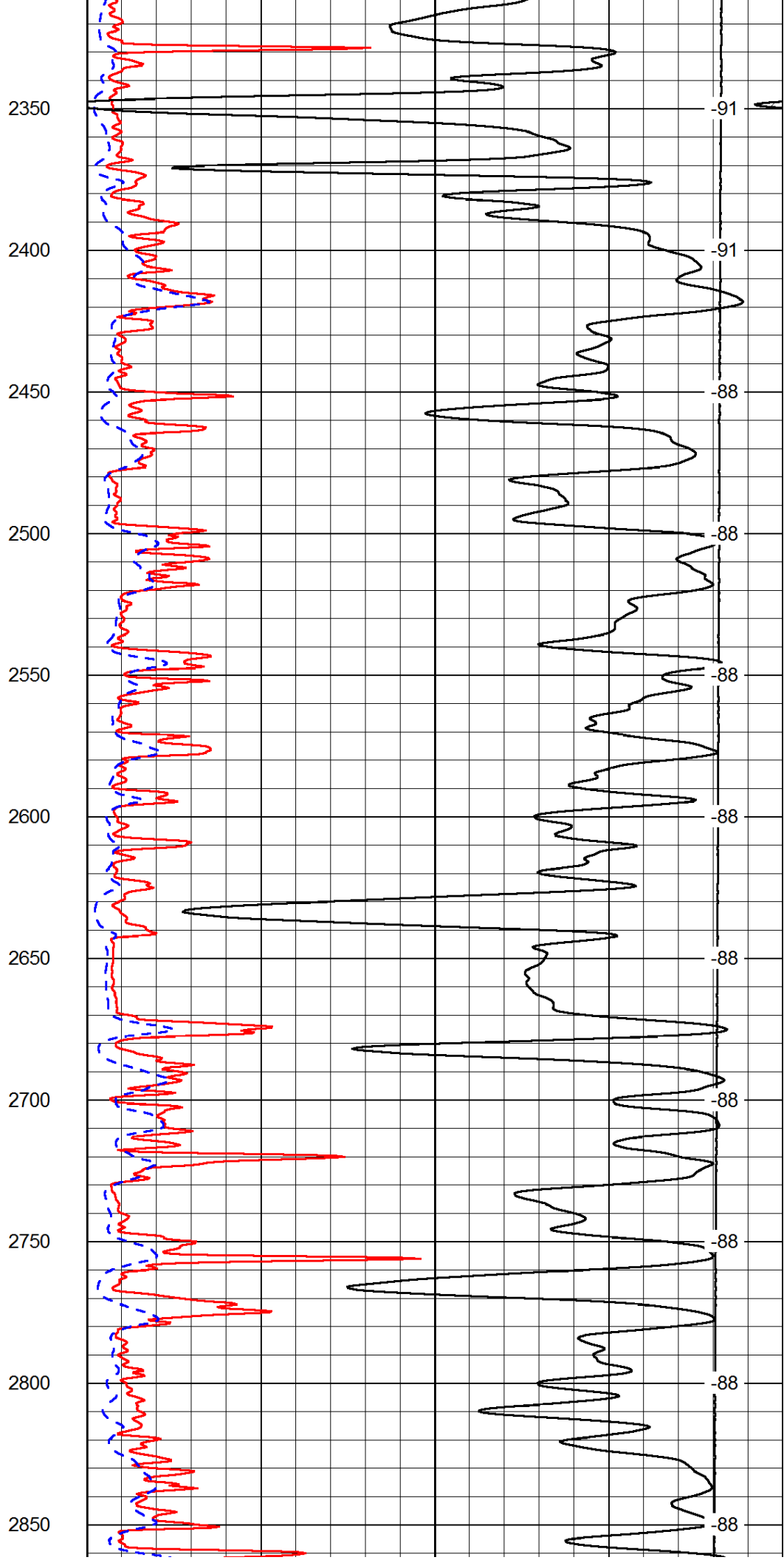
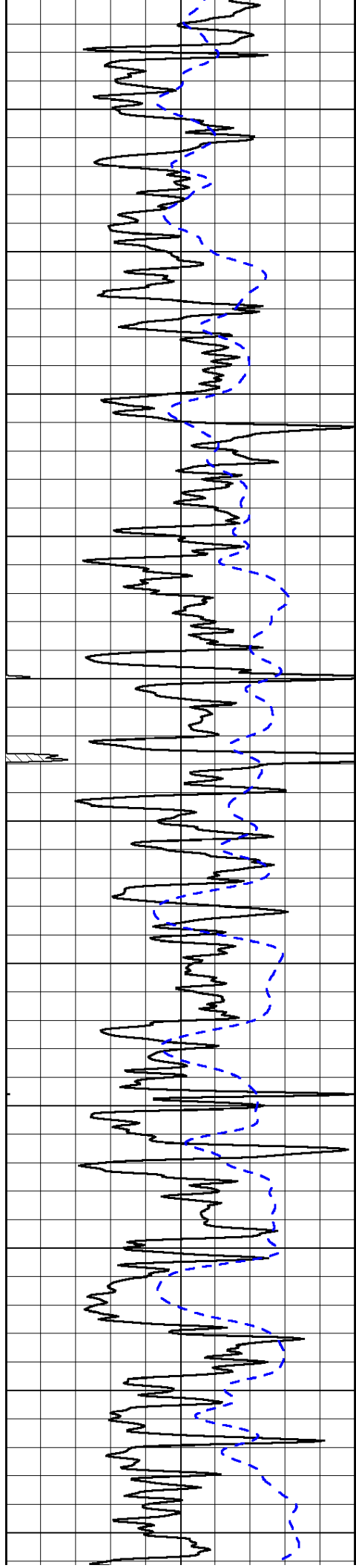
50	Shallow Resistivity	500
50	Deep Resistivity	500

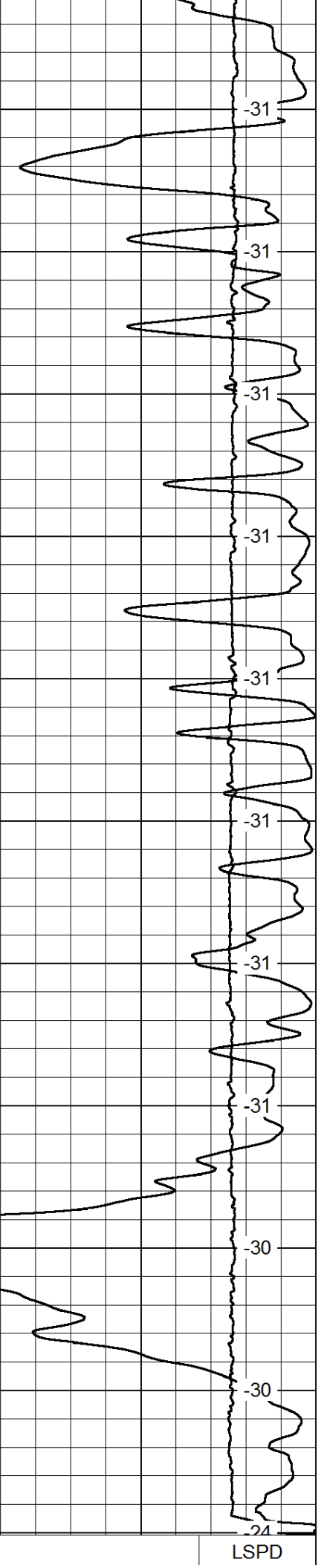
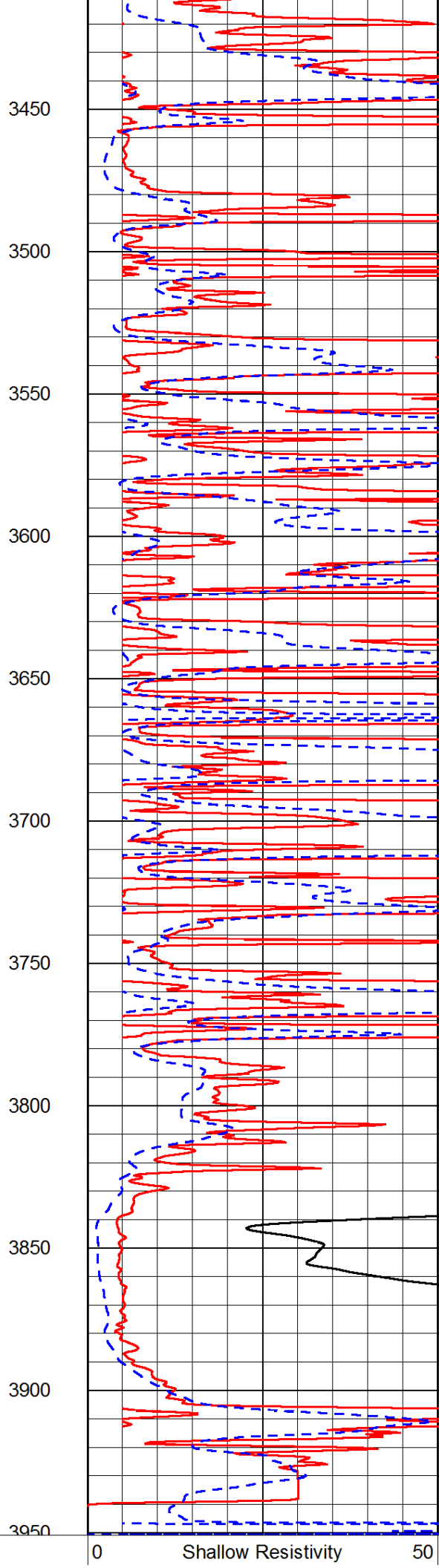
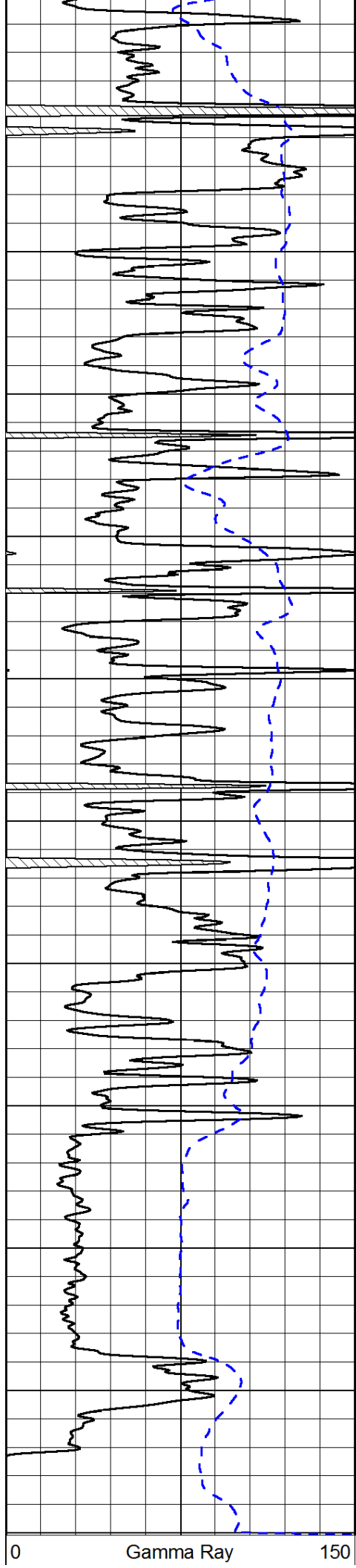












-200	SP (mV)	0

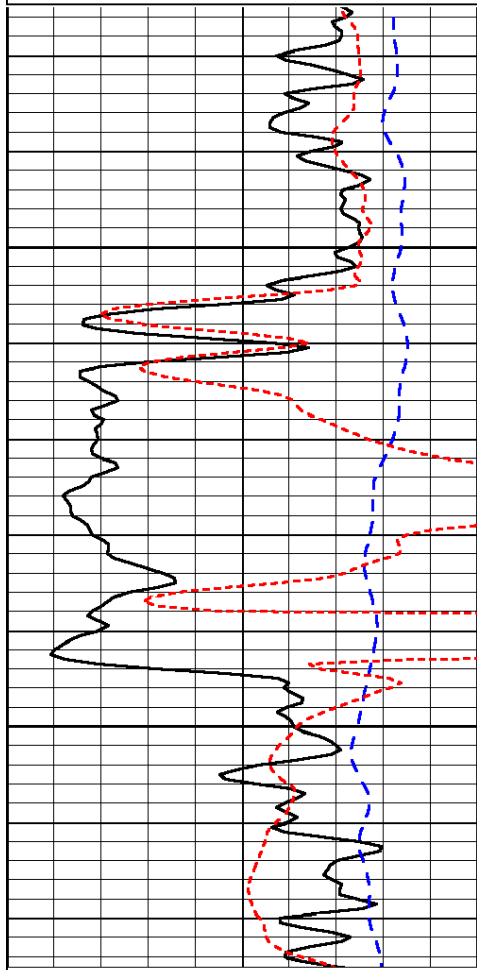
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

Database File: c:\warrior\data\tdi_rossie #1\tdi_rossie_1hd.db
 Dataset Pathname: DIL\tdistk
 Presentation Format: dil
 Dataset Creation: Wed Jul 10 22:53:41 2013
 Charted by: Depth in Feet scaled 1:240

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-200	SP (mV)	0
-160	RxoRt	40

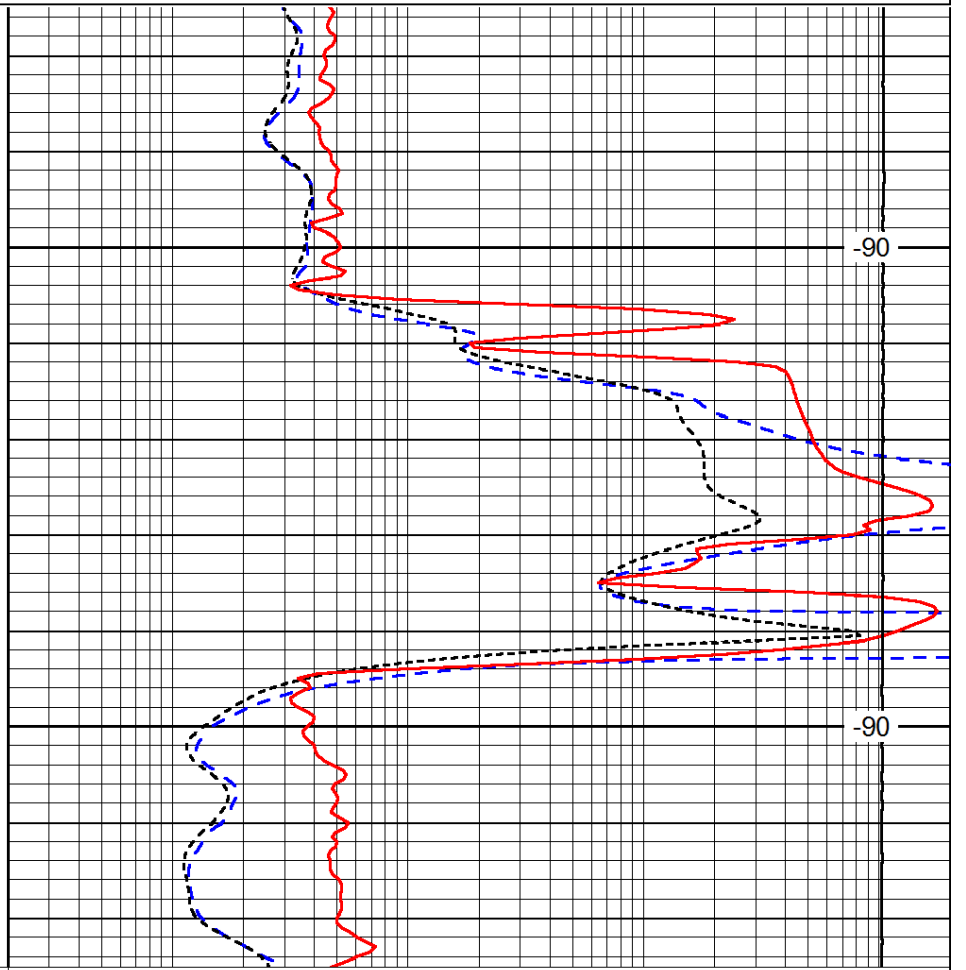
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD



1500

1550



90

90

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

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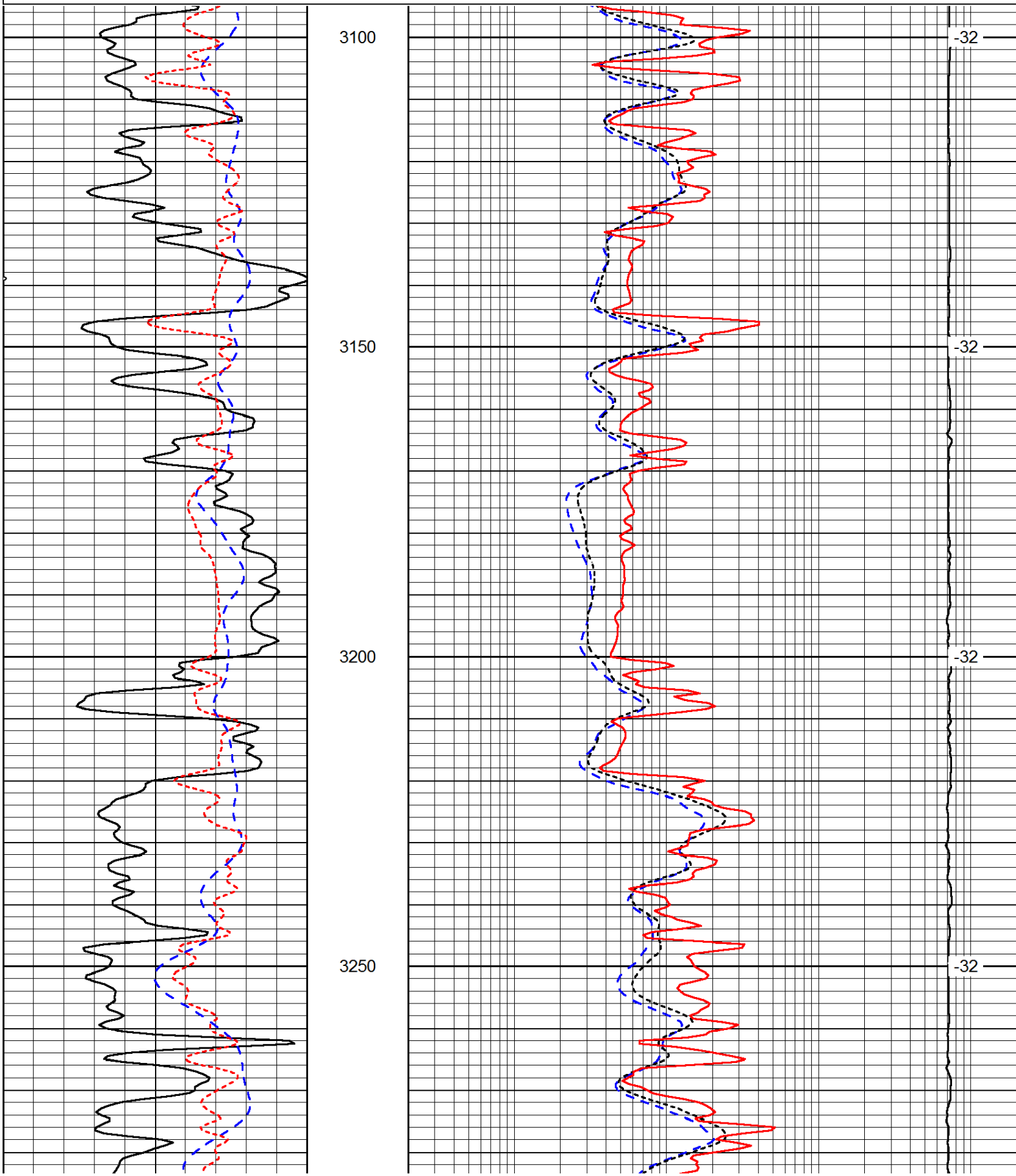
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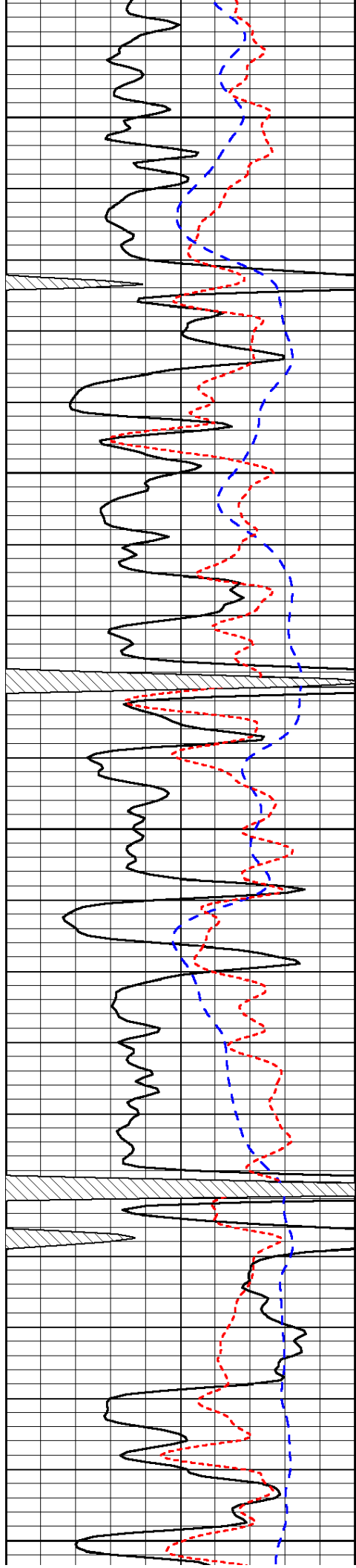
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-200	SP (mV)	0
-160	RxoRt	40

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

LSPD





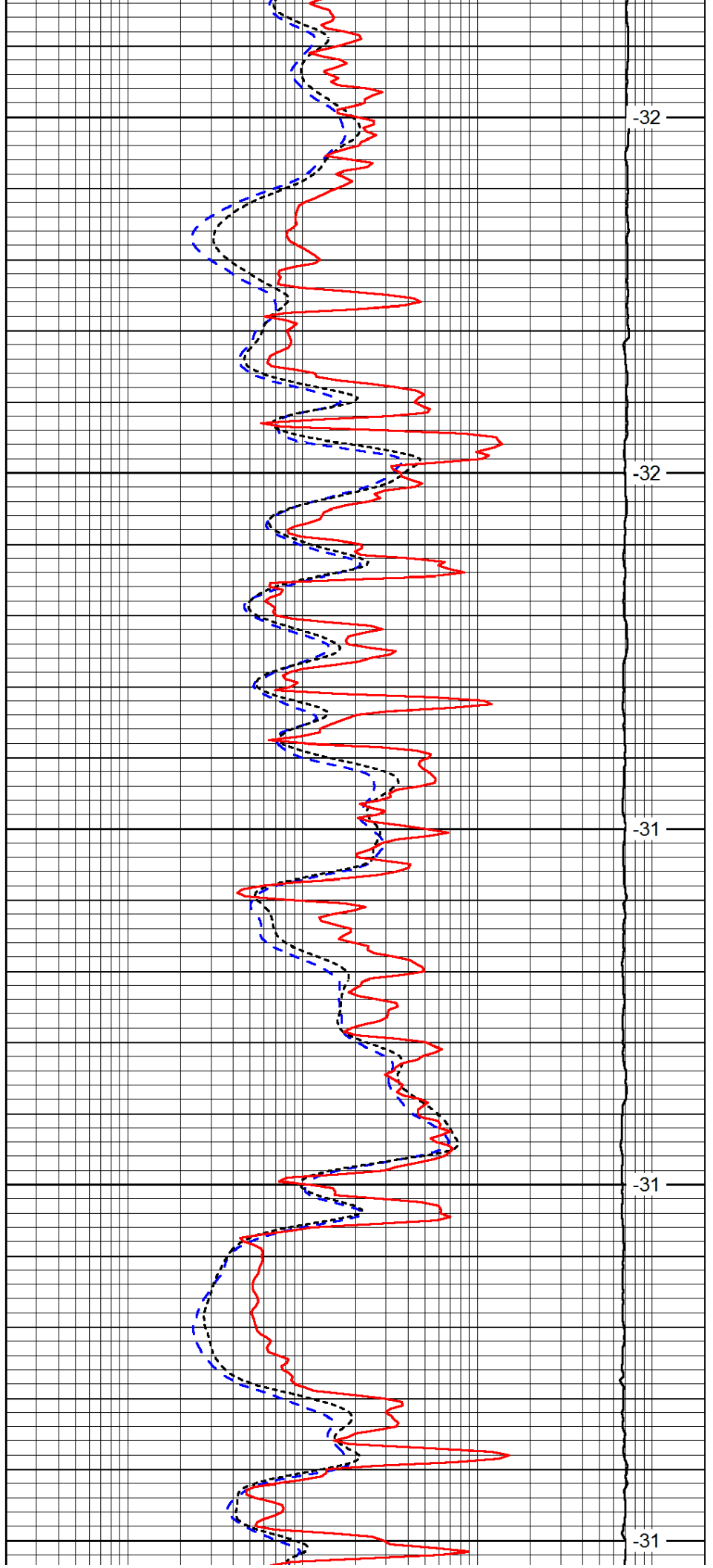
3300

3350

3400

3450

3500



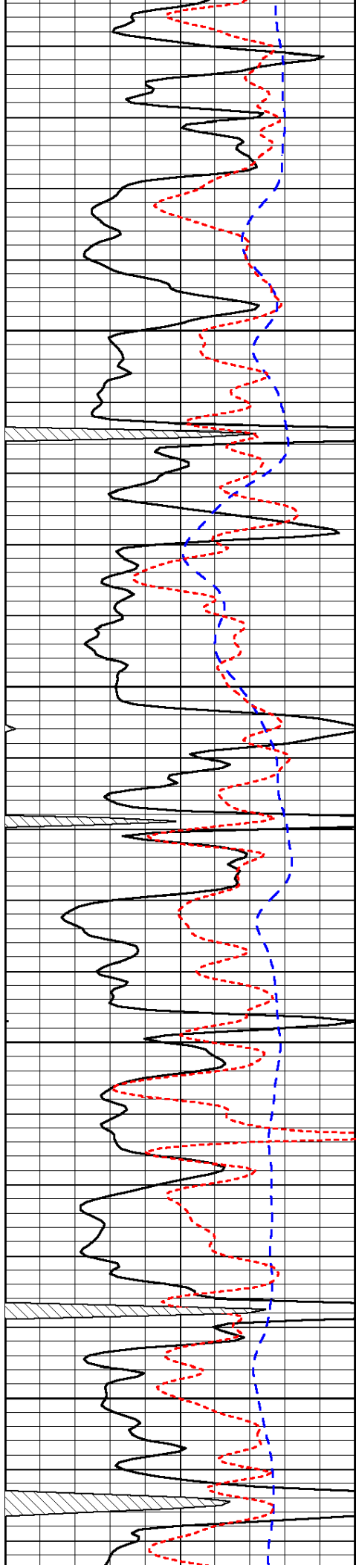
-32

-32

-31

-31

-31

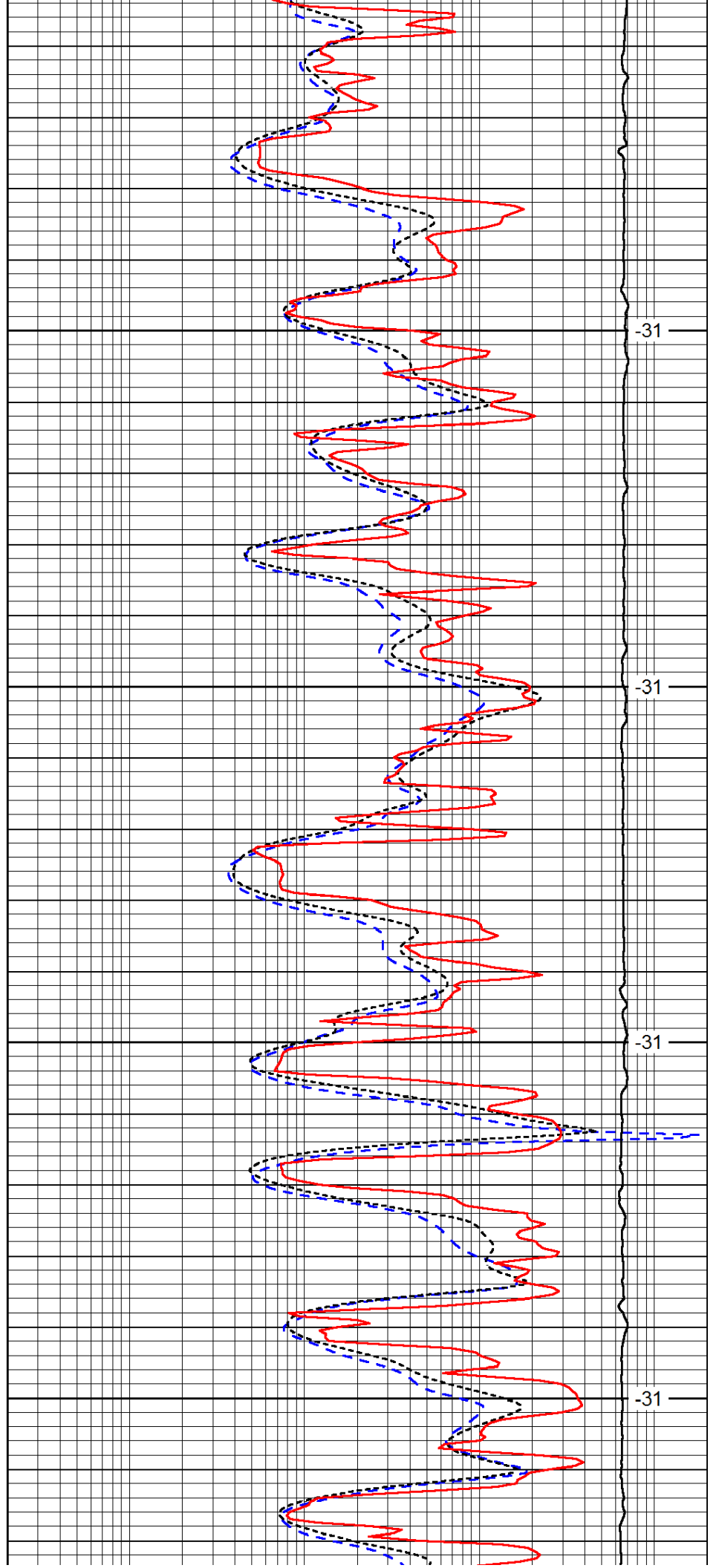


3550

3600

3650

3700

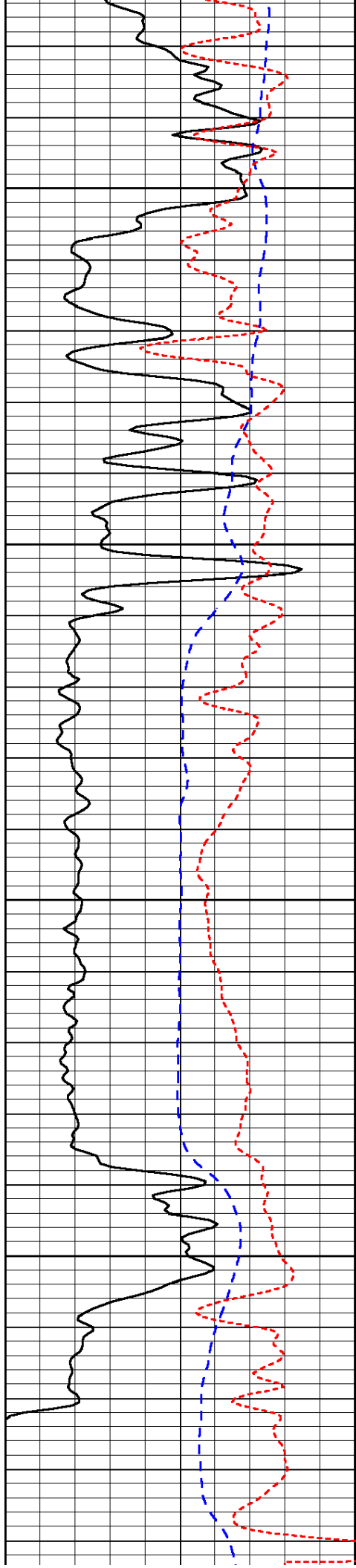


-31

-31

-31

-31

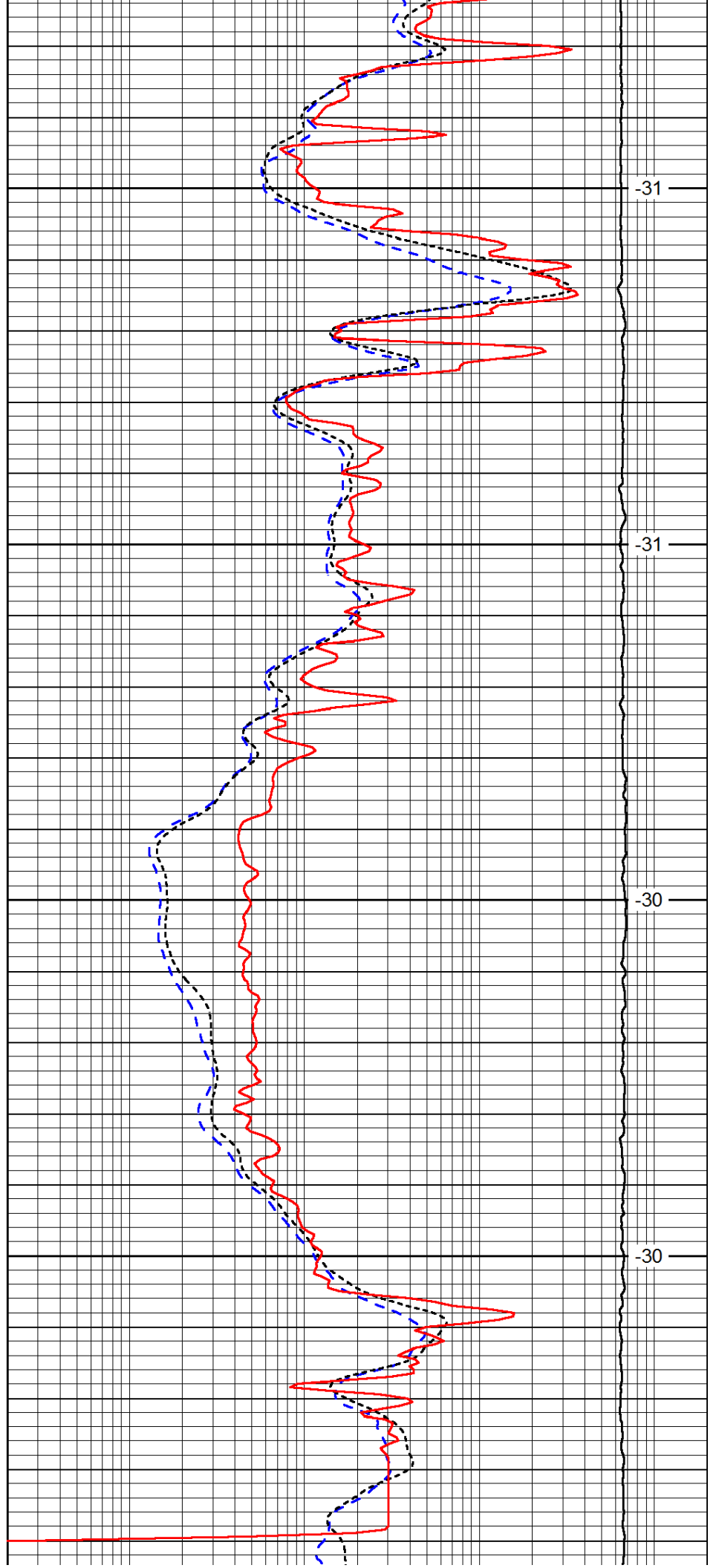


3750

3800

3850

3900

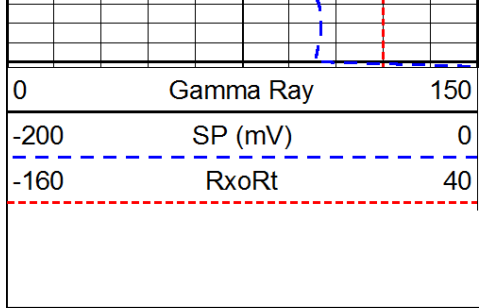


-31

-31

-30

-30



3950

