



Dual Induction Log

Pioneer Energy Services

API No.

15-155-21,683-00-00

Company Novy Oil & Gas, Inc.

Well Howard #1

Field Zenith-Peace Creek

County Reno State

Kansas

Location 1320' FNL & 1320' FWL

Sec: 15 Twp: 23S Rge: 10W

Permanent Datum Ground Level Elevation 1775

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services

CNL/CDL

MEL

Elevation

K.B. 1785

D.F. 1775

G.L. 1775

Date 3/4/2014

Run Number

Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Casing Driller

Casing Logger

Bit Size

Type Fluid in Hole

Salinity, ppm CL

Density / Viscosity

pH / Fluid Loss

Source of Sample

Rm @ Meas. Temp

Rmf @ Meas. Temp

Rmc @ Meas. Temp

Source of Rmf / Rmc

Rm @ BHT

Operating Rig Time

Max Rec. Temp. F

Equipment Number

Location

Recorded By

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

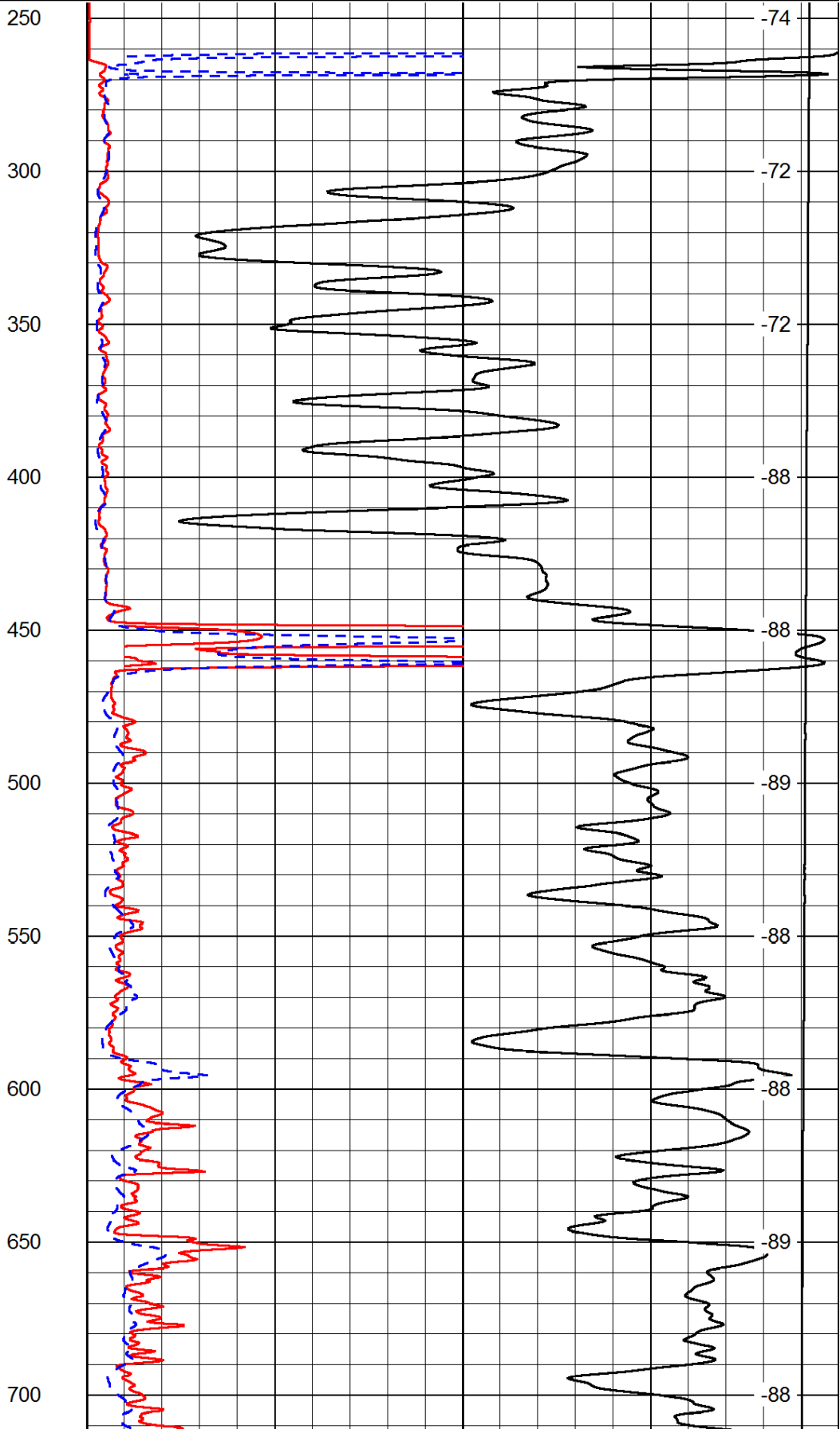
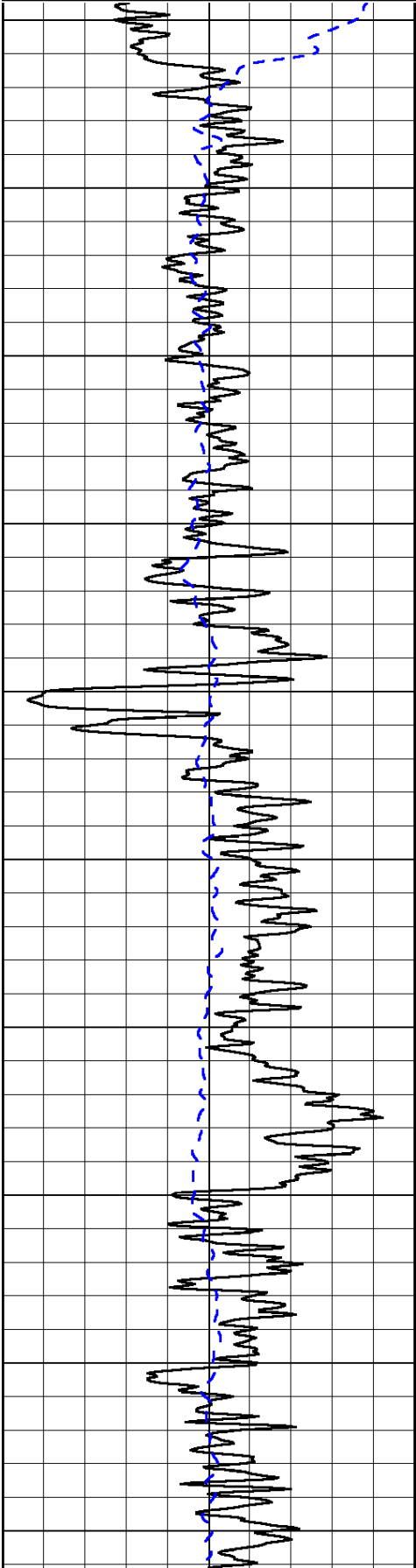
Stafford KS, E to Netherlands Rd,
N to 4th St, 1 W, 1/2 S, E Into

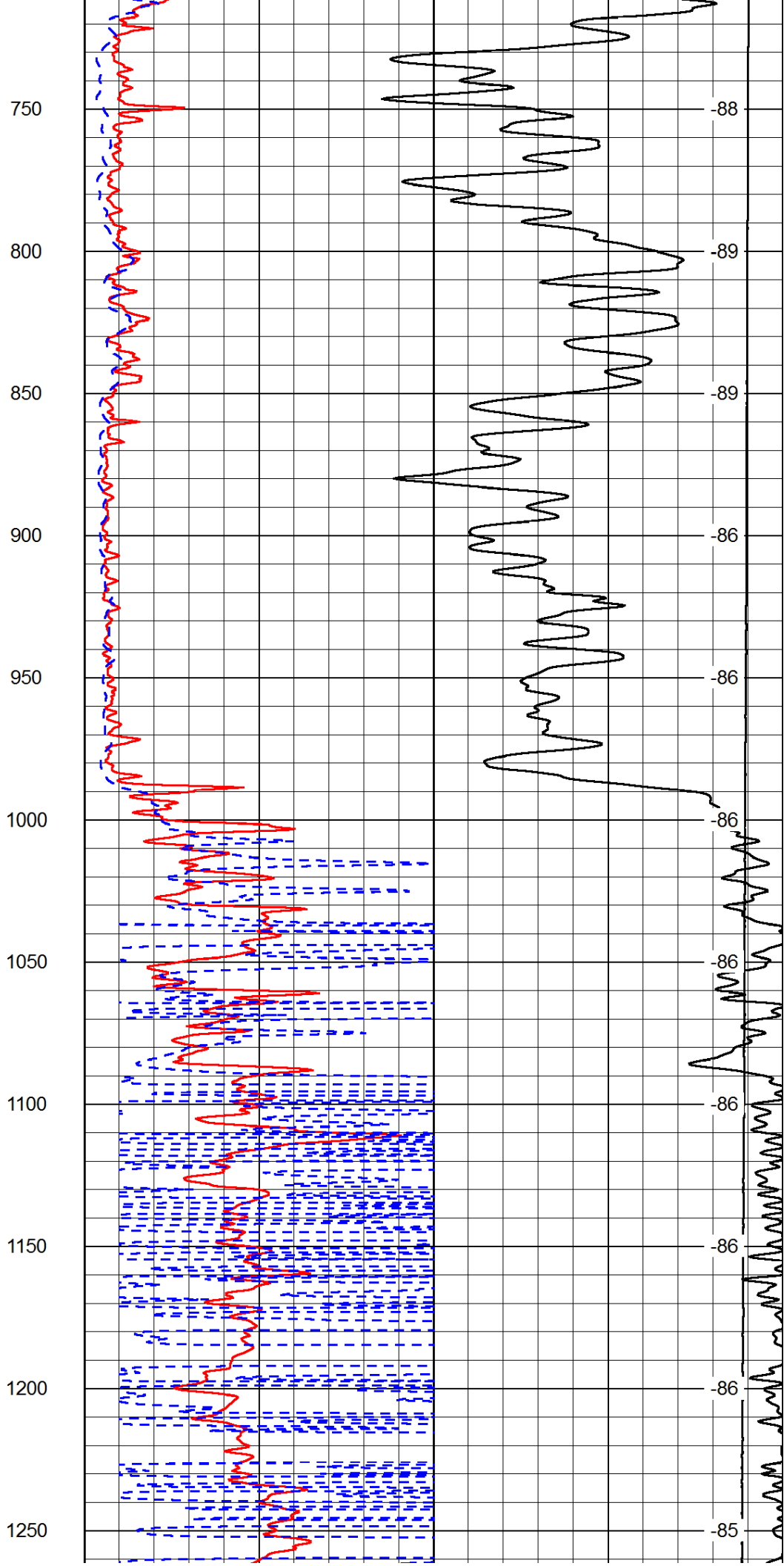
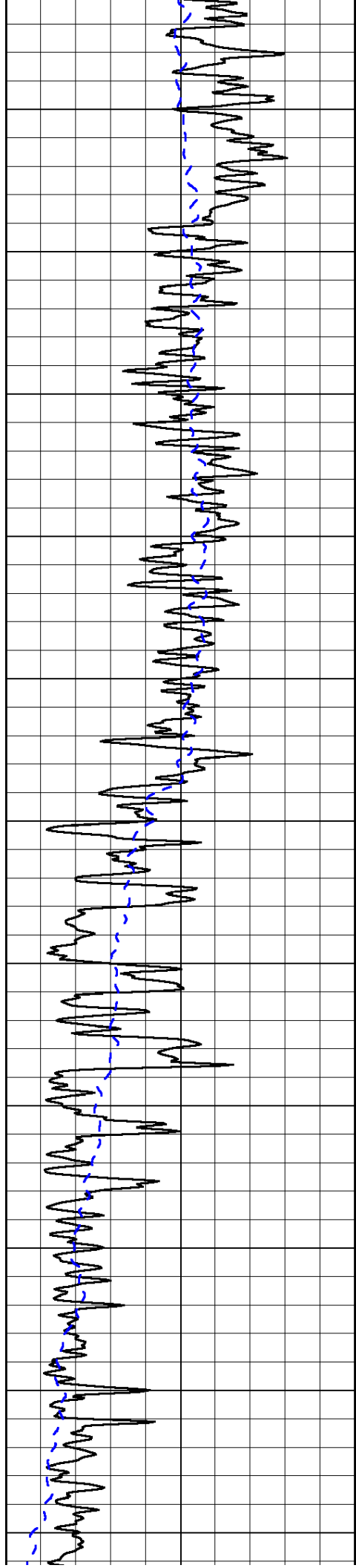
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Dataset Pathname: dil\novystk
Presentation Format: dil2in
Dataset Creation: Tue Mar 04 05:18:09 2014
Charted by: Depth in Feet scaled 1:600

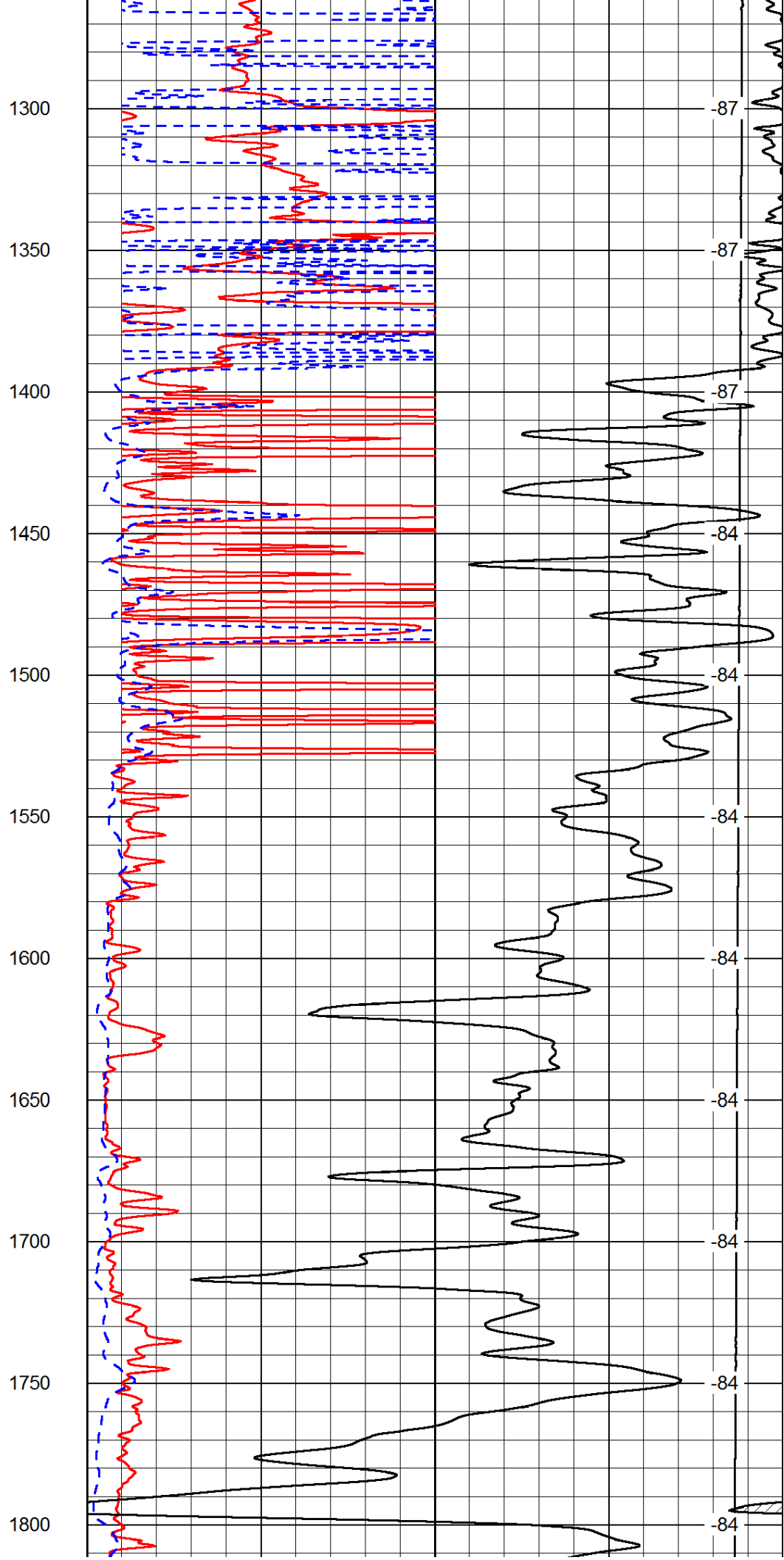
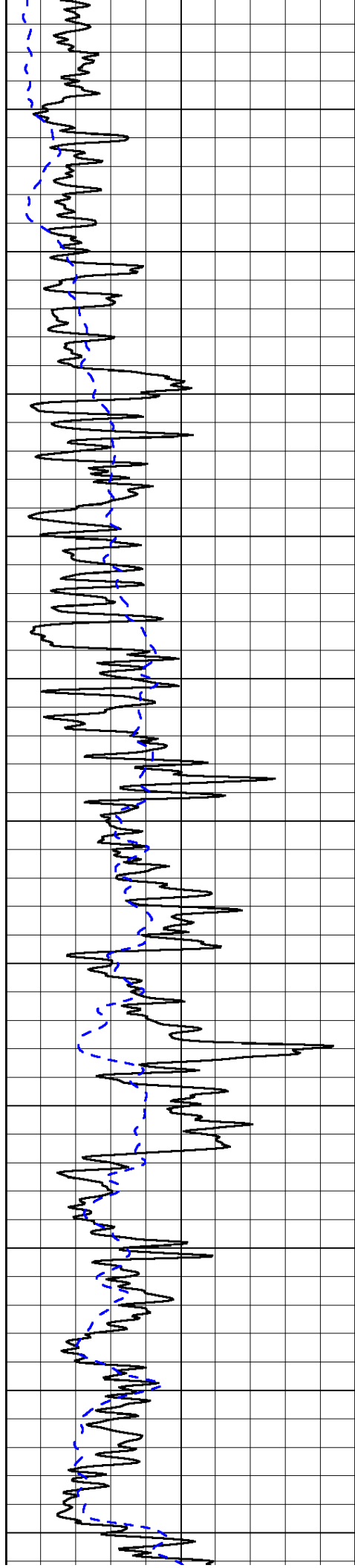
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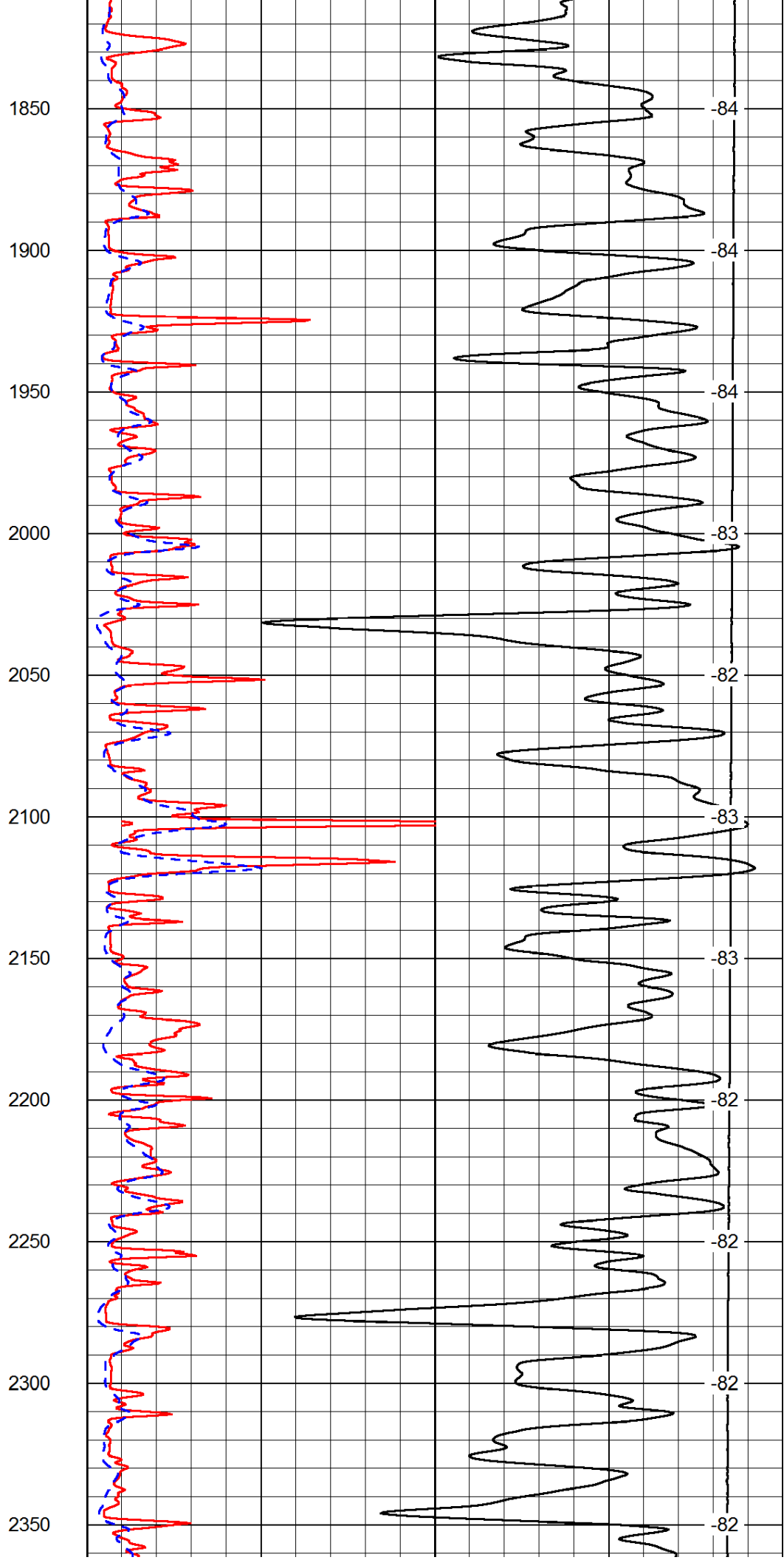
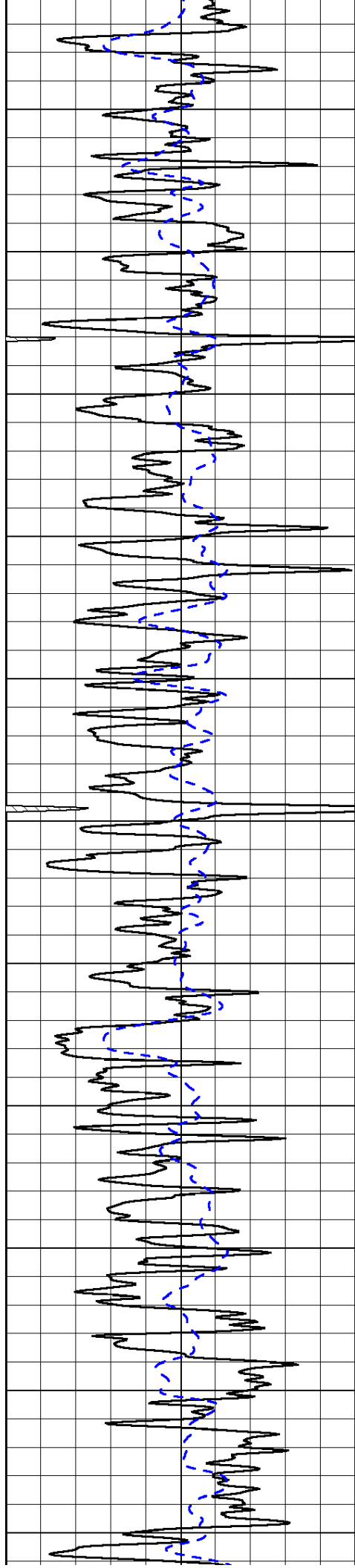
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-200	SP (mV)	0

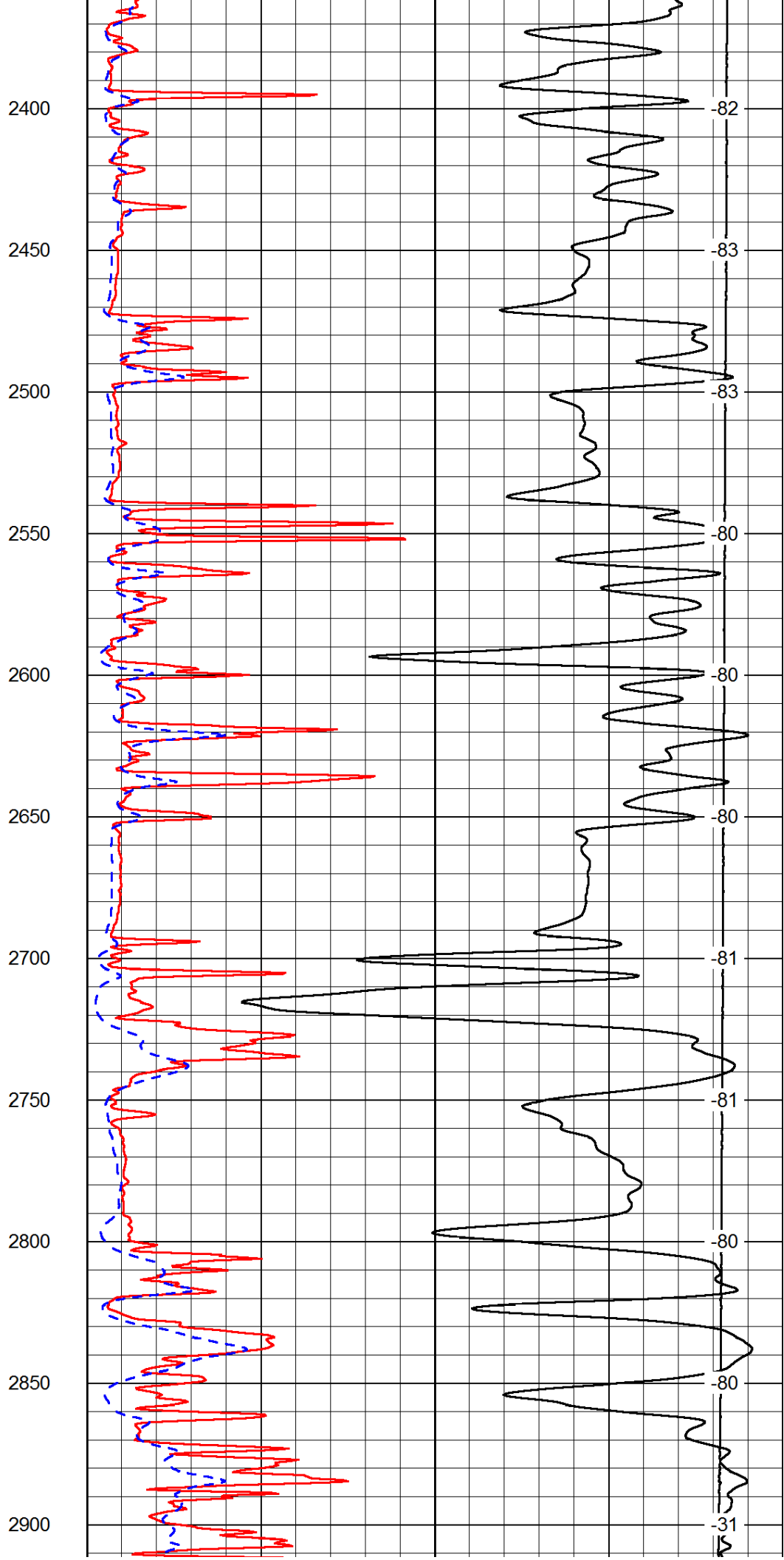
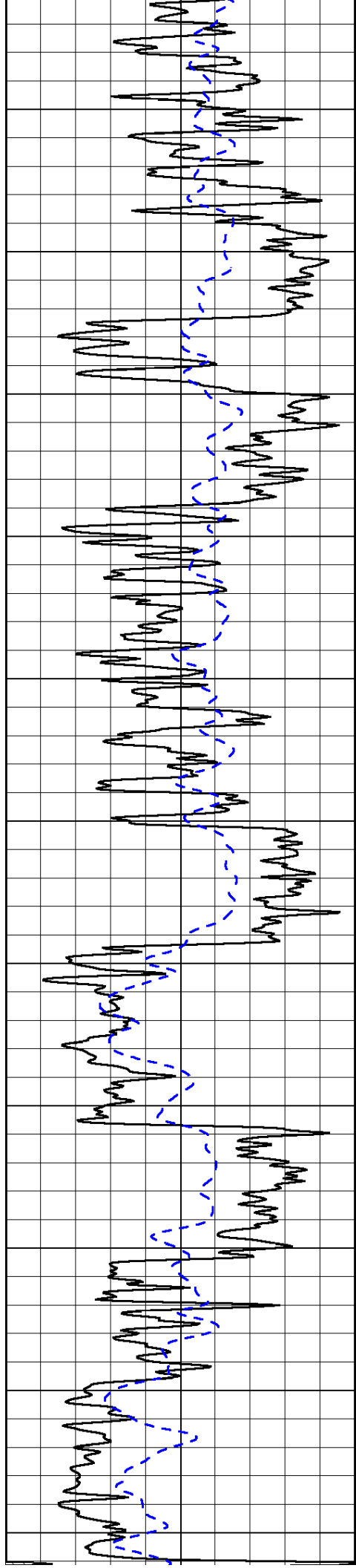
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

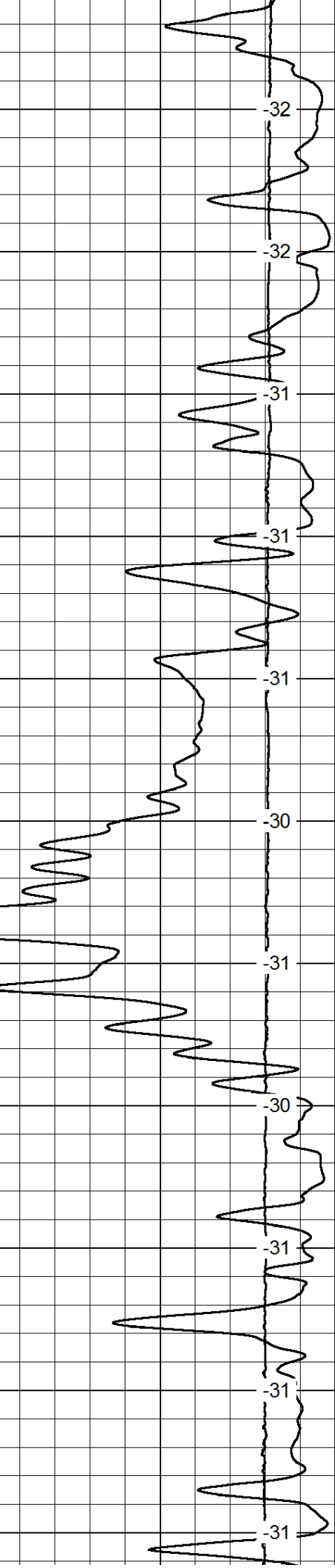
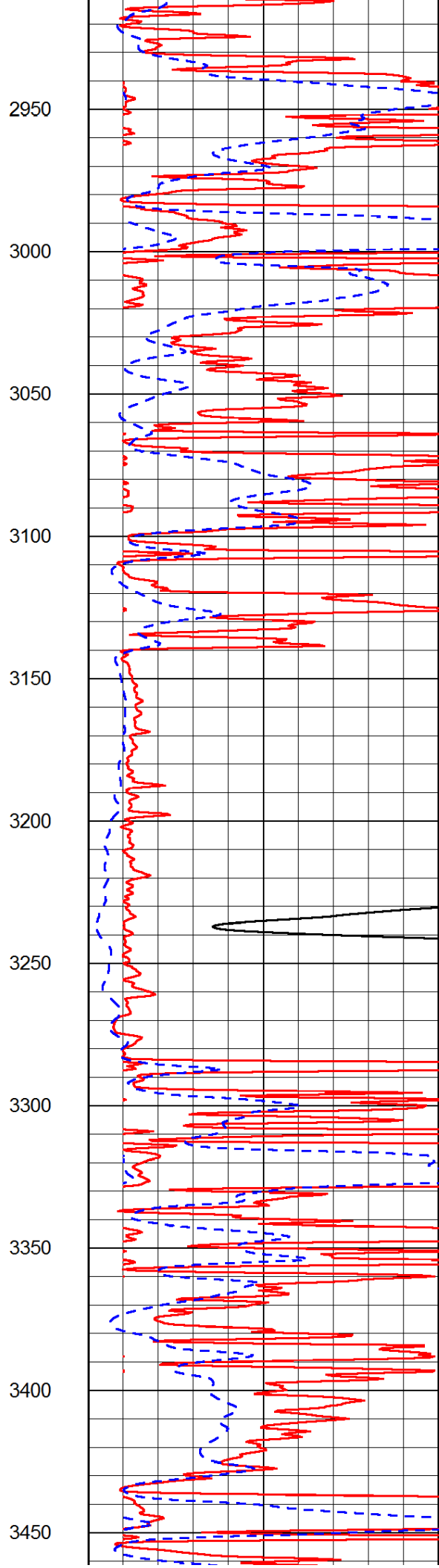
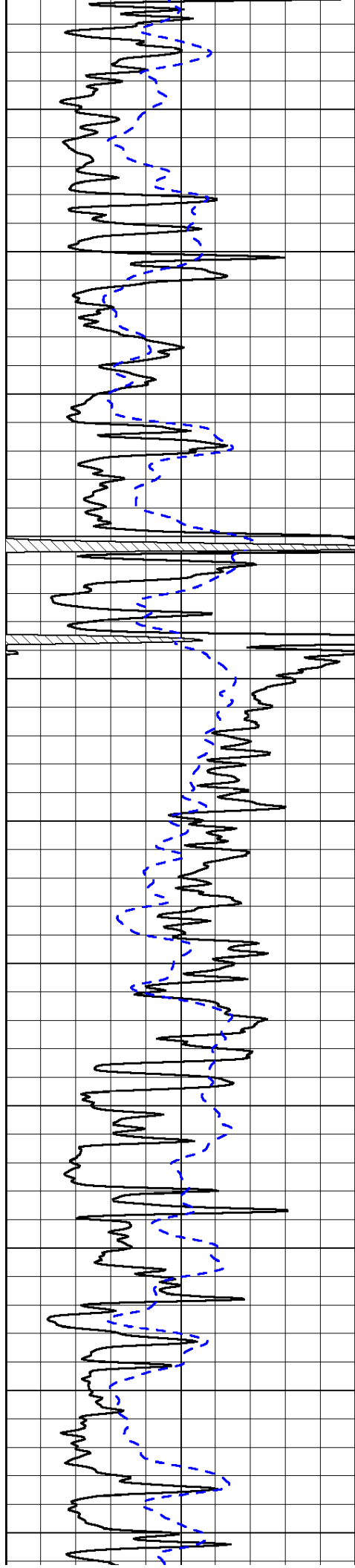


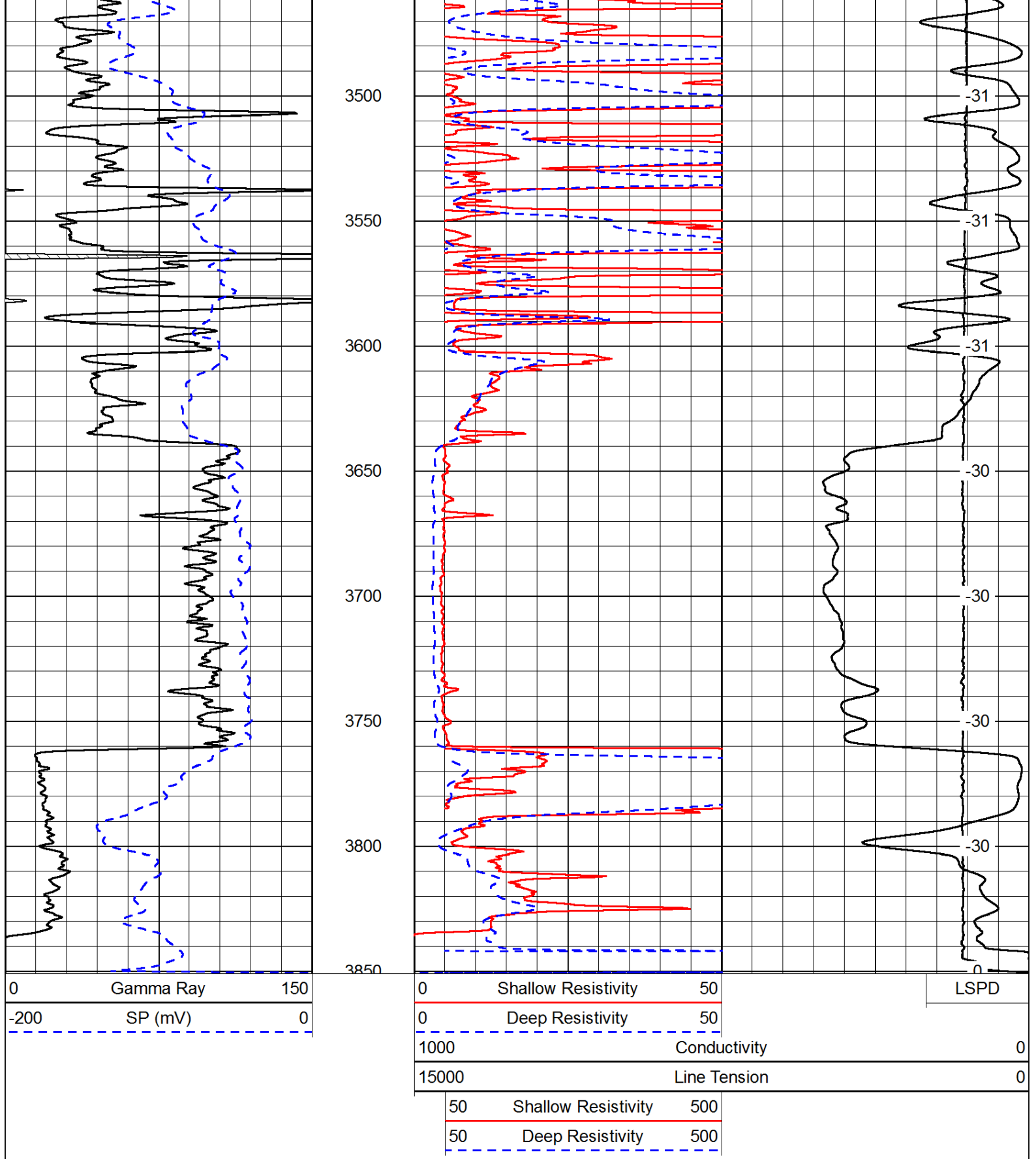




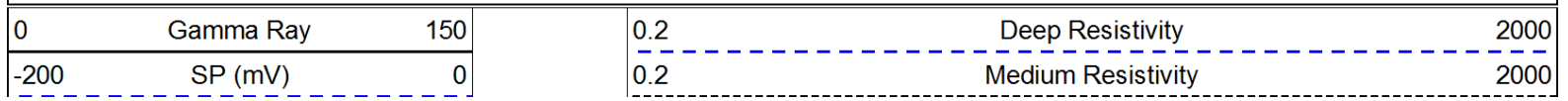


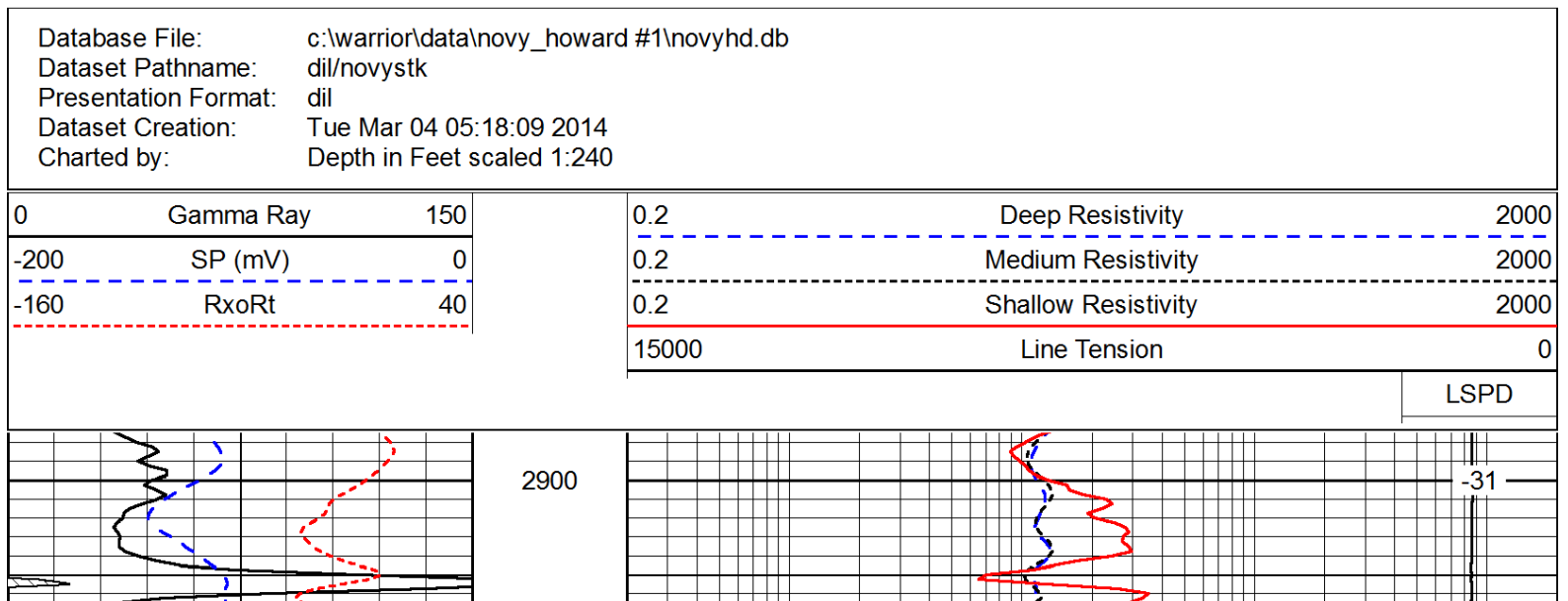
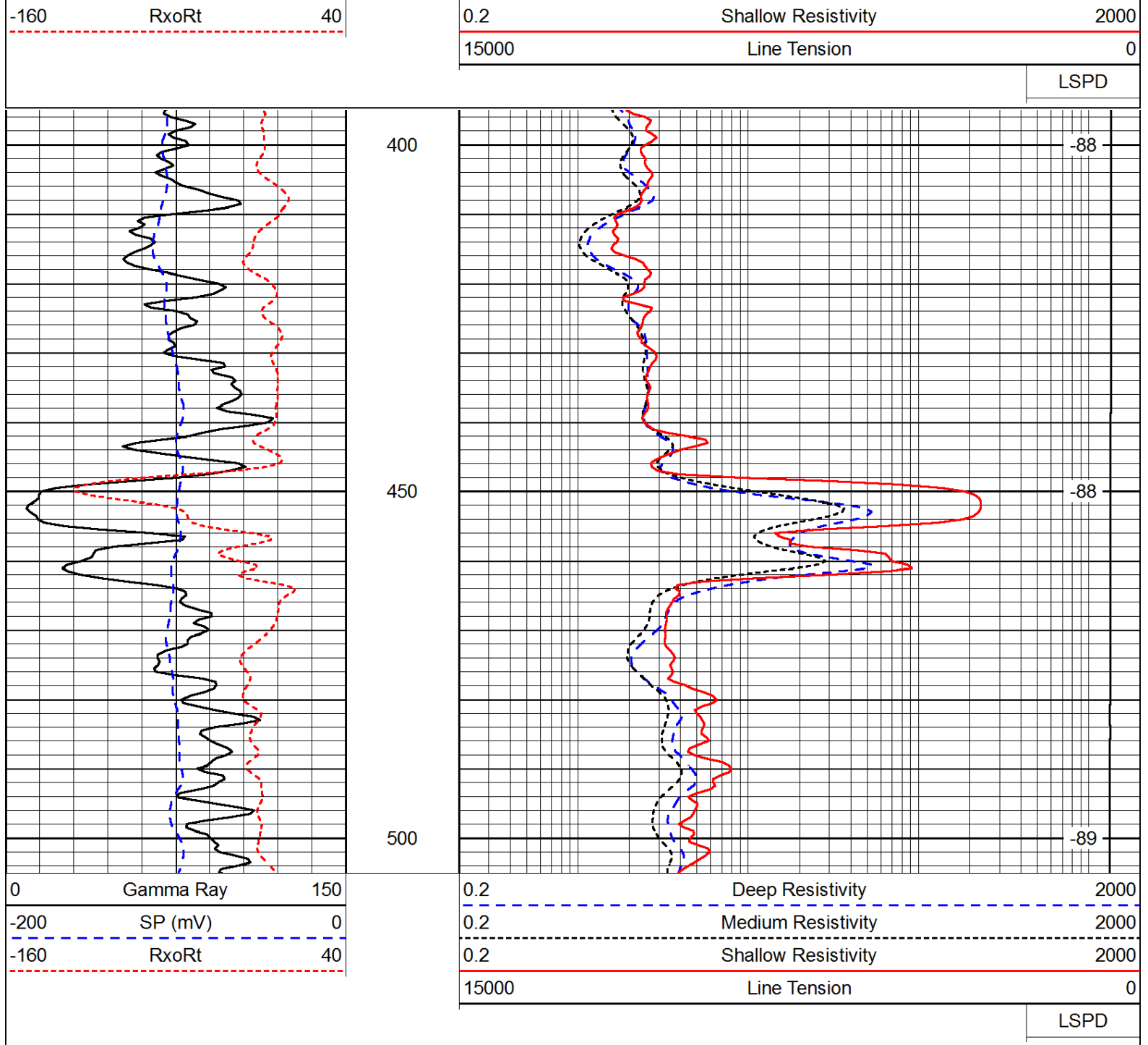


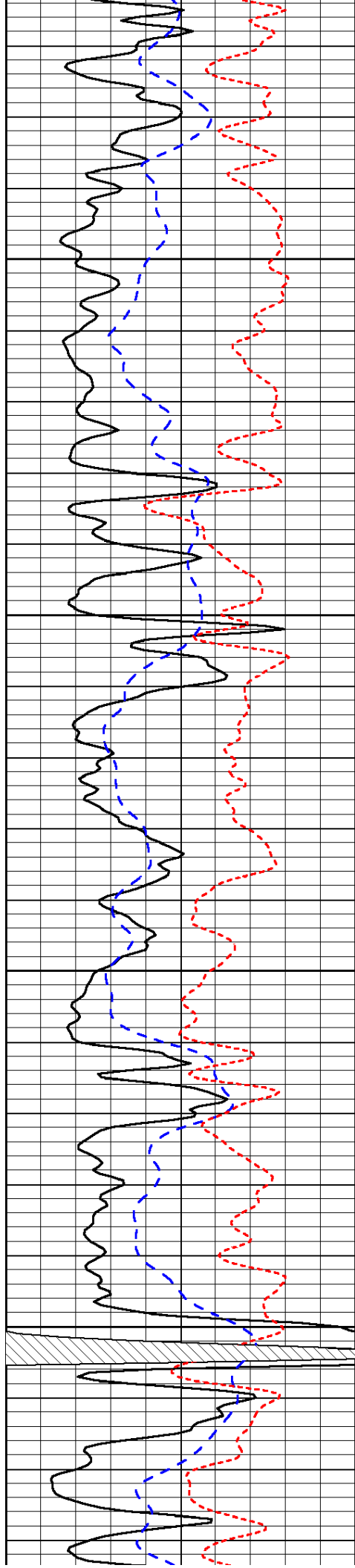




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 Dataset Pathname: dil/novystk
 Presentation Format: dil
 Dataset Creation: Tue Mar 04 05:18:09 2014
 Charted by: Depth in Feet scaled 1:240





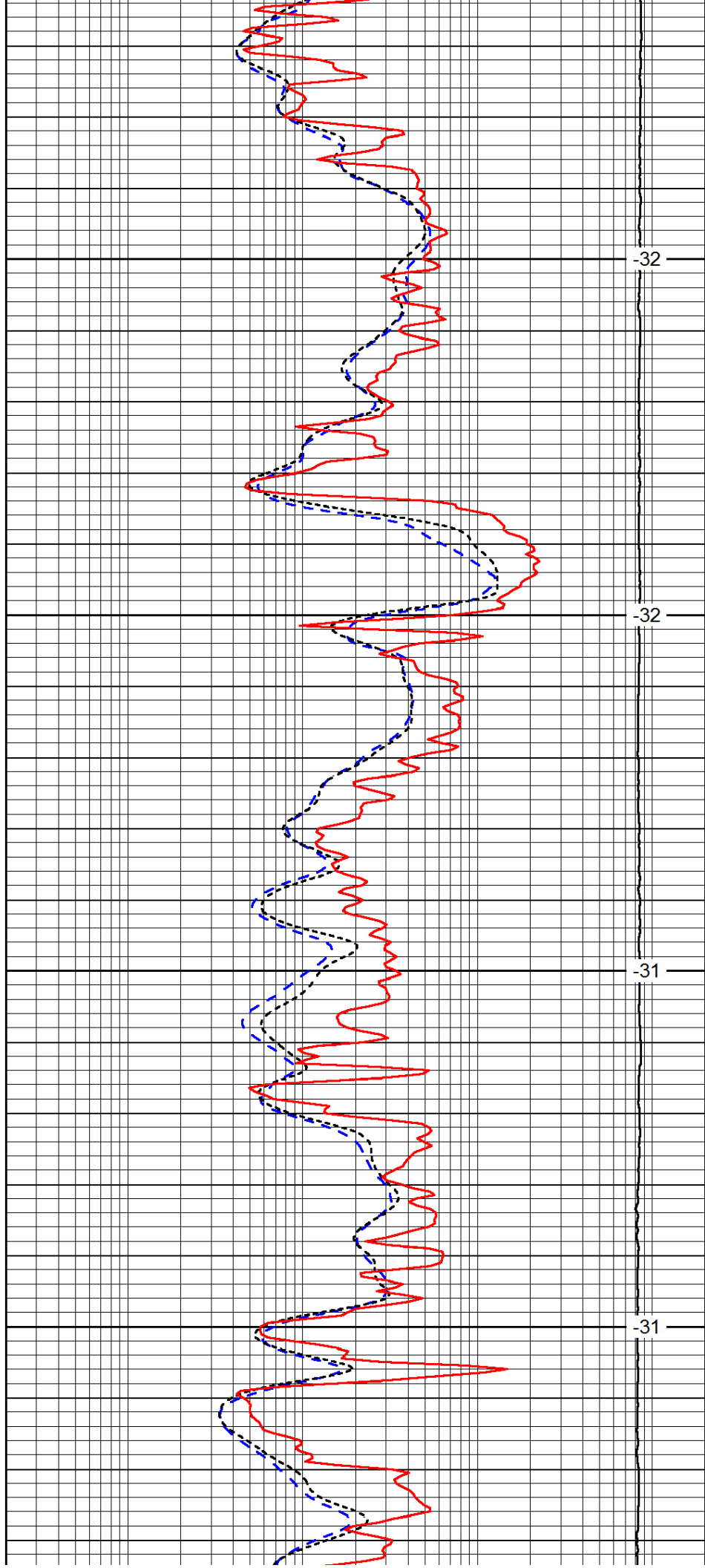


2950

3000

3050

3100

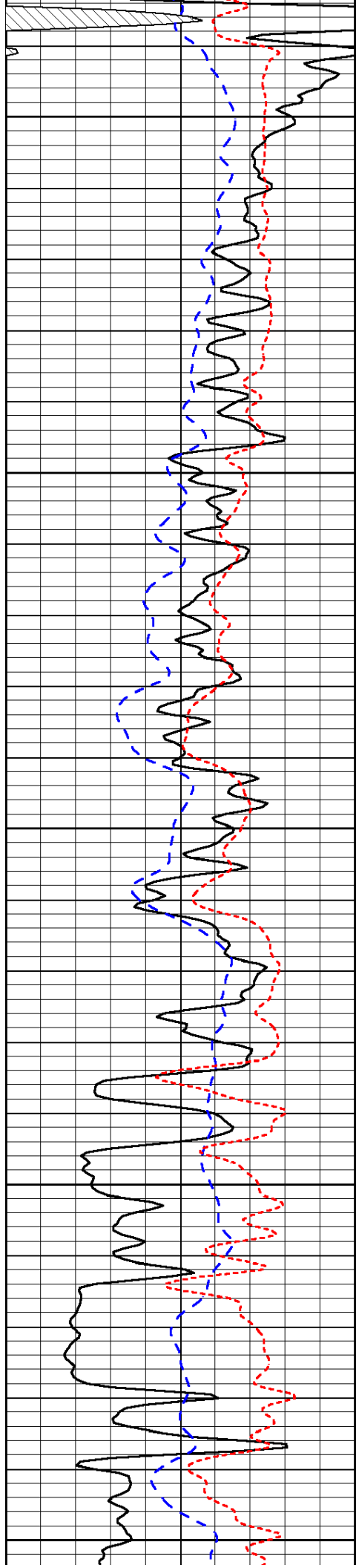


-32

-32

-31

-31



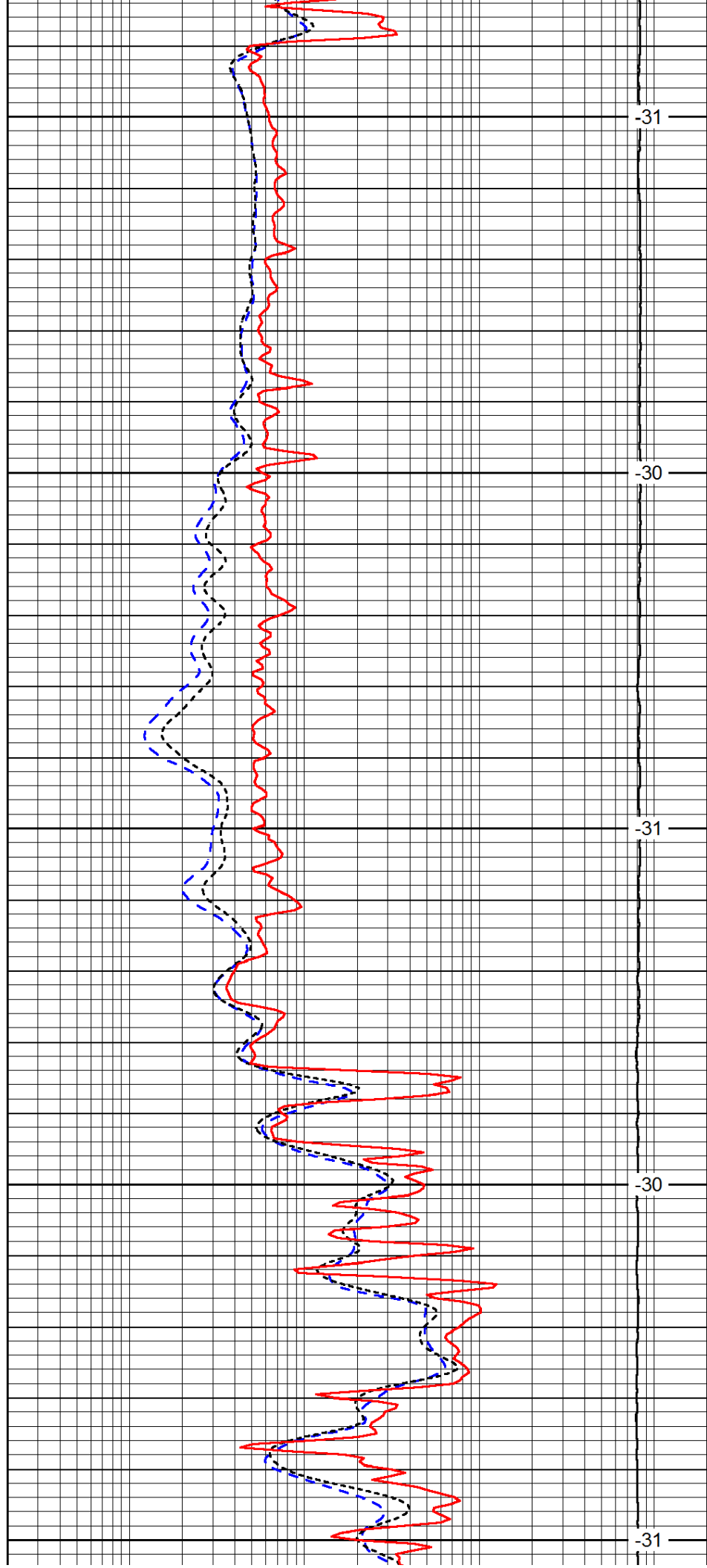
3150

3200

3250

3300

3350



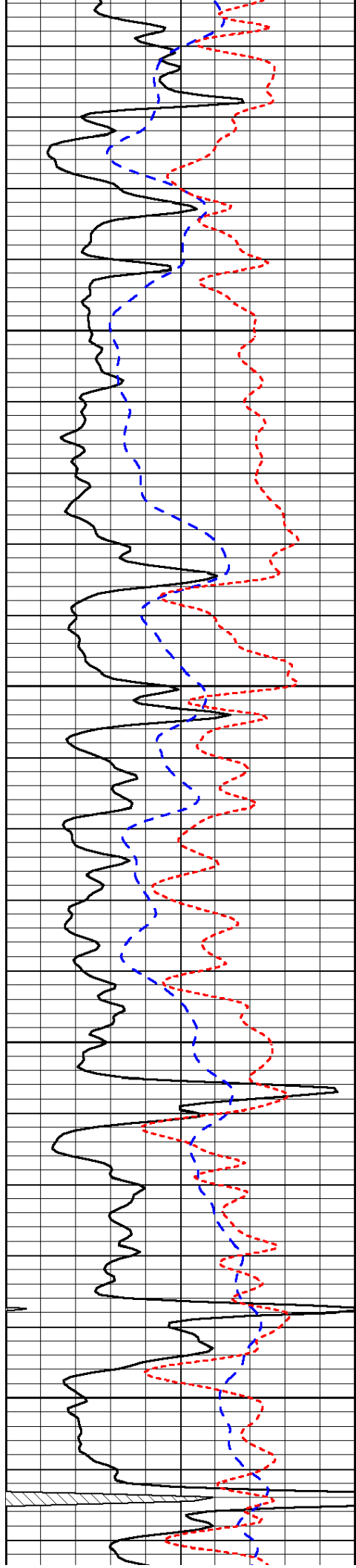
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-30

-31

-30

-31

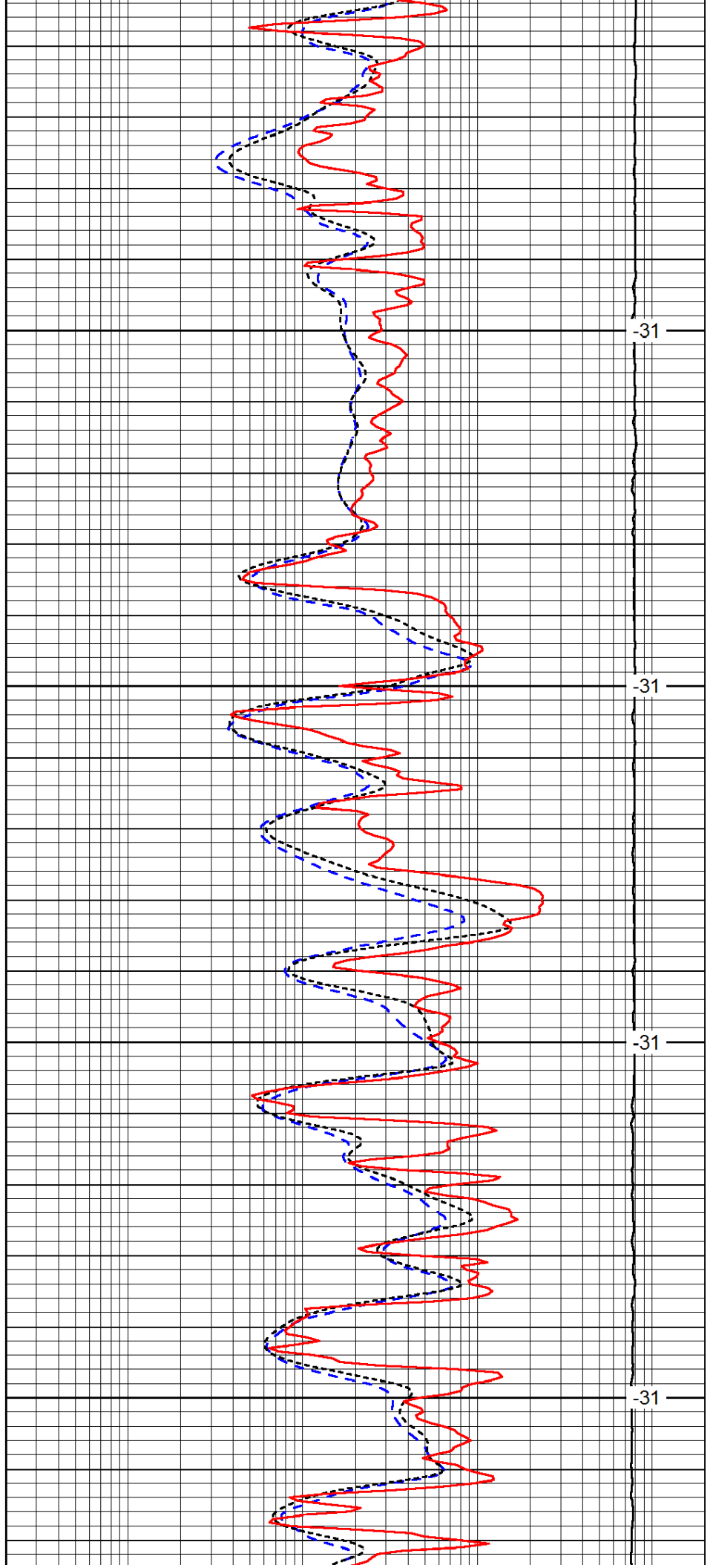


3400

3450

3500

3550

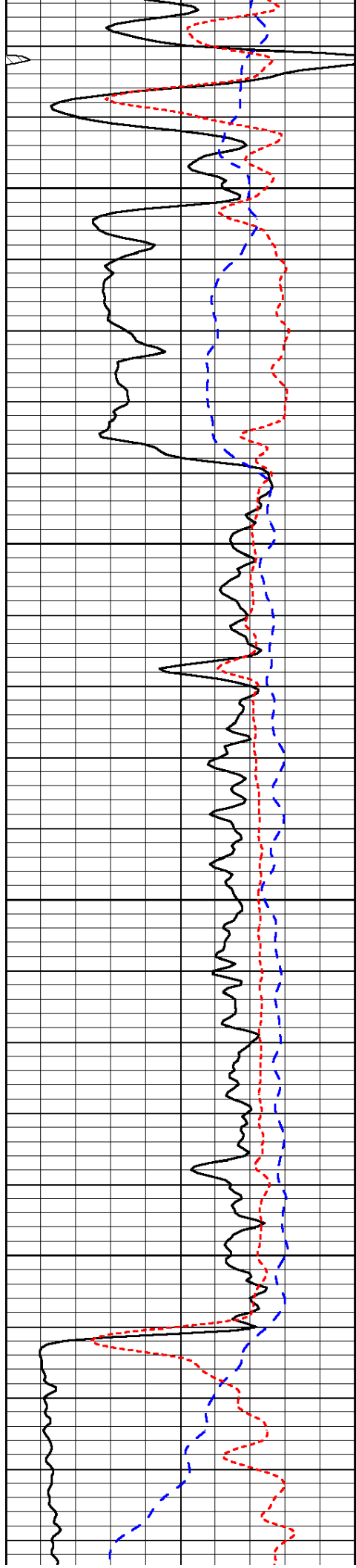


-31

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-31

-31

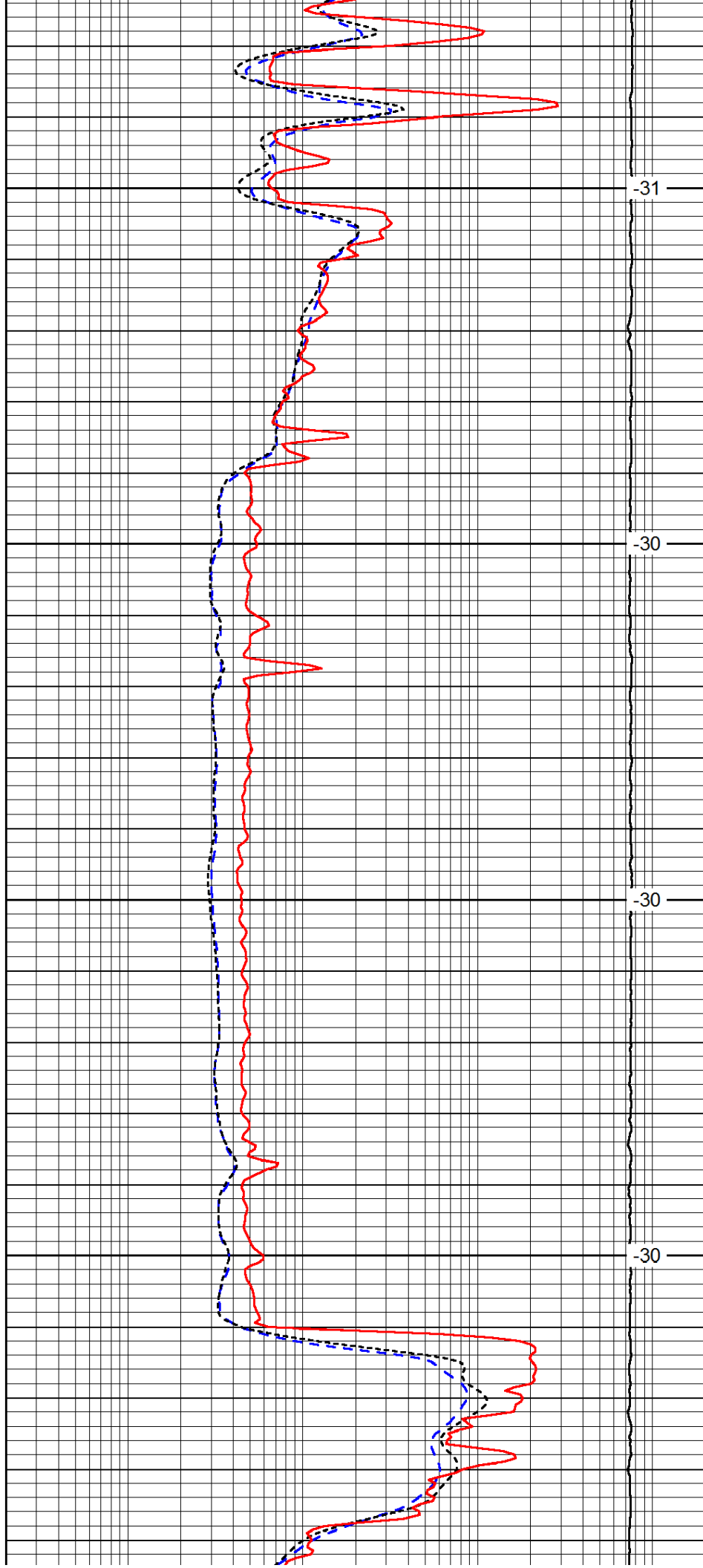


3600

3650

3700

3750

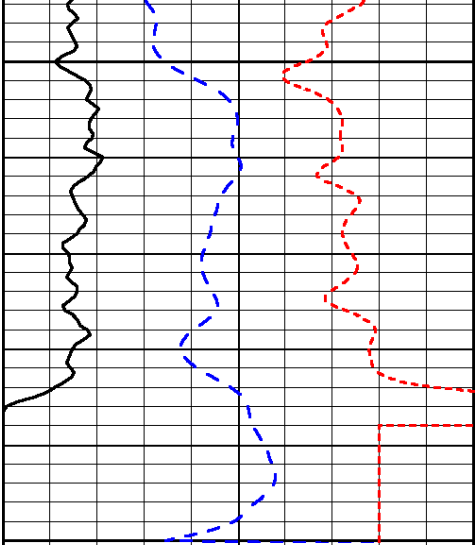


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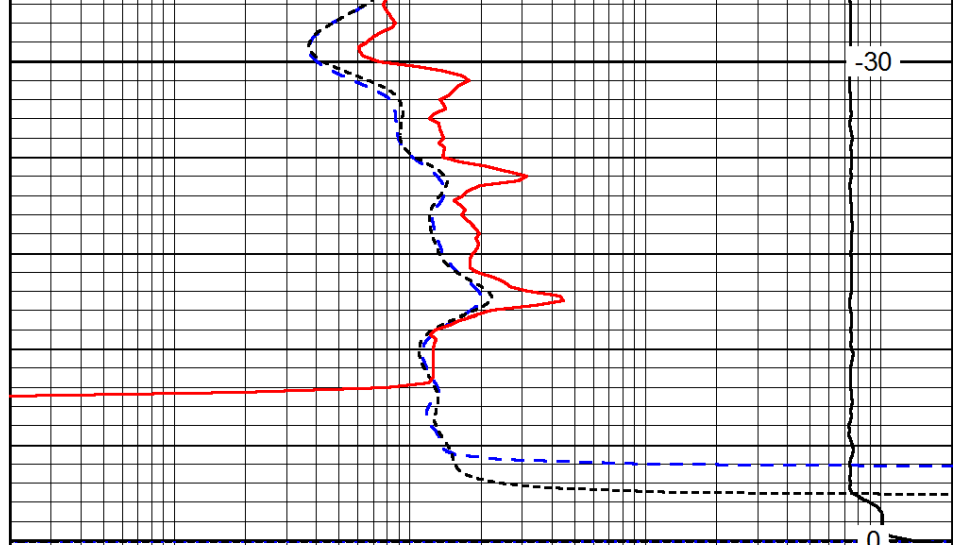
-30



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

3800

3850



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

LSPD