



Pioneer Energy Services

Dual Induction Log

API No.

15-055-22321-00-00

Company American Warrior, Inc.

Well Neeley FLB # 1-33

Field Congdon

County Finney State Kansas

Location

403' FNL & 2629' FWL

Sec: 33 Twp: 23 S Rge: 32 W

Elevation

K.B. 2851
D.F. 2840
G.L. 2840Other Services
CNL/CDL
MELPermanent Datum Ground Level Elevation 2840
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 09-24-2014

Run Number One

Depth Driller 4950

Depth Logger 4950

Bottom Logged Interval 4949

Top Log Interval 1700

Casing Driller 8.625 @ 1730

Casing Logger 1723

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2,400

Density / Viscosity 9.4 65

pH / Fluid Loss 9.5 8.4

Source of Sample Flowline

Rm @ Meas. Temp 0.53 @ 83

Rmf @ Meas. Temp 0.40 @ 83

Rmc @ Meas. Temp 0.72 @ 83

Source of Rmf / Rmc Charts

Rm @ BHT 0.35 @ 126

Operating Rig Time 4 Hours

Max Rec. Temp. F 126

Equipment Number 15

Location Hays

Recorded By Y. Ruiz

Witnessed By Kevin Timson

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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

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(785) 625-3858

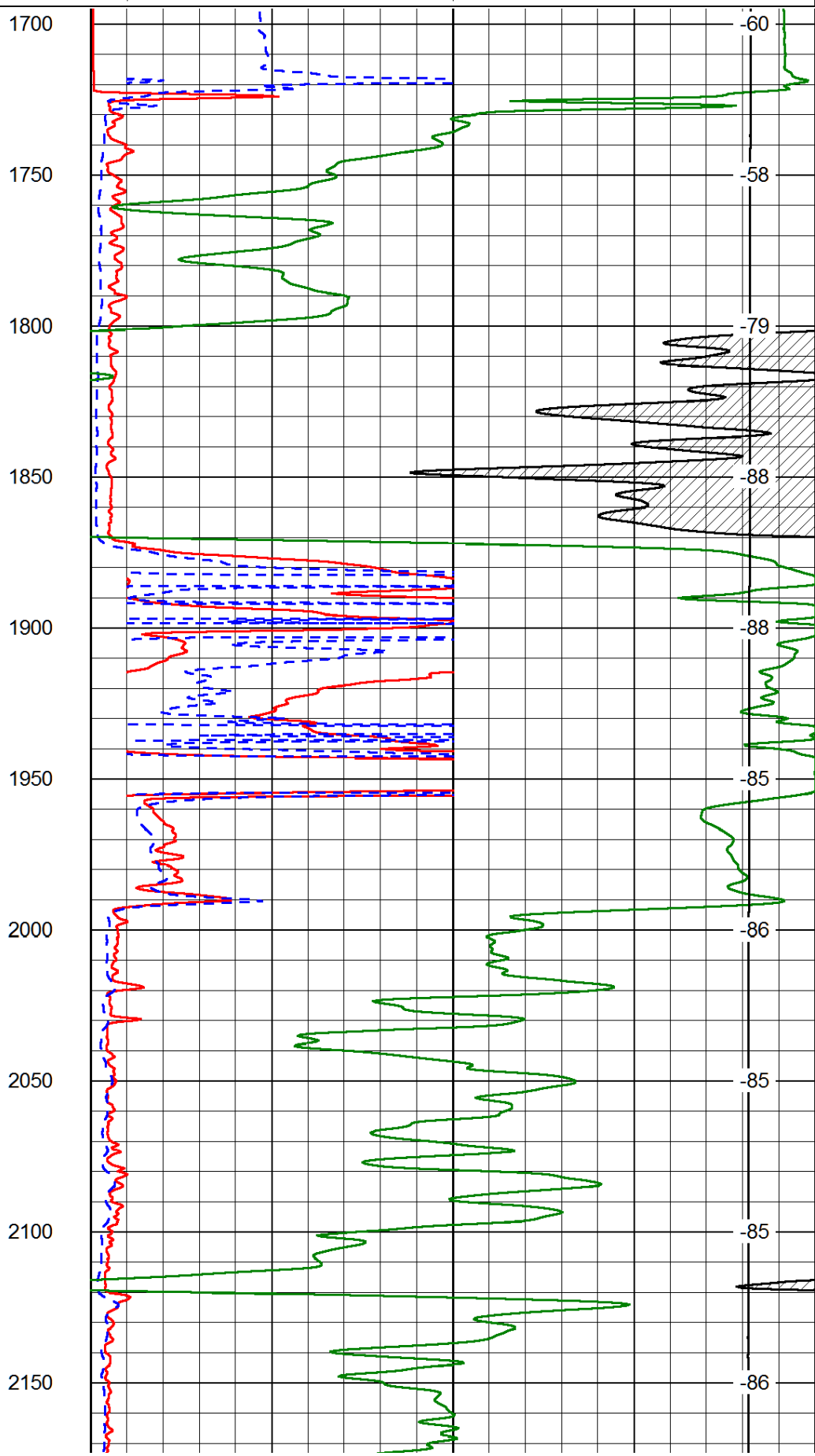
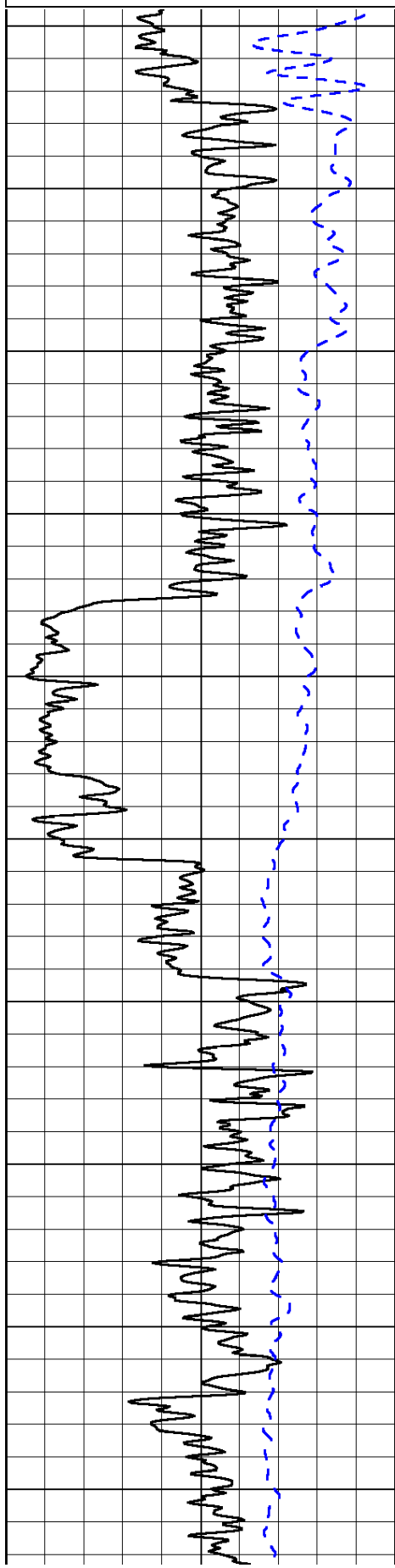
Garden City,
1 1/2 North on Jennie Barker Rd, 1/2 West on Rodkey Rd,
South into

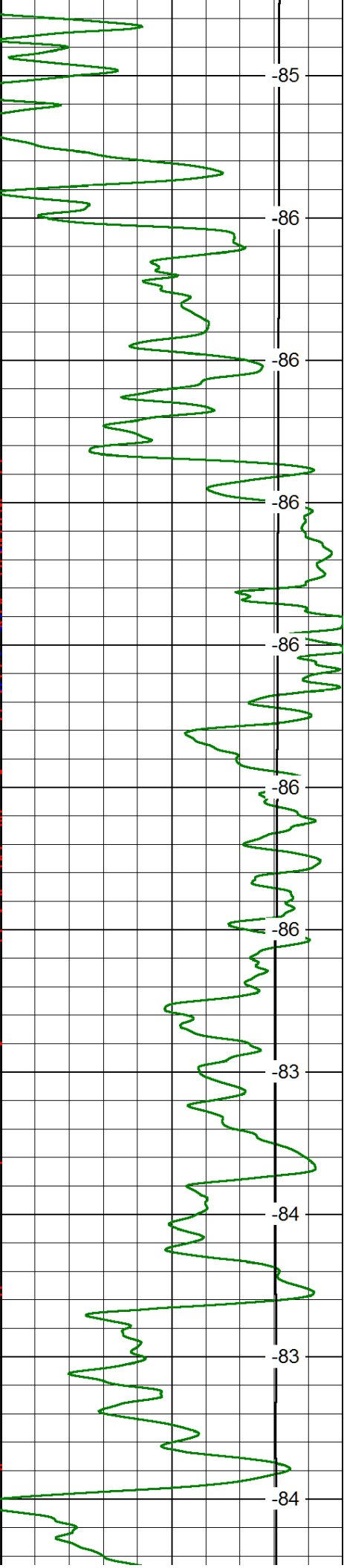
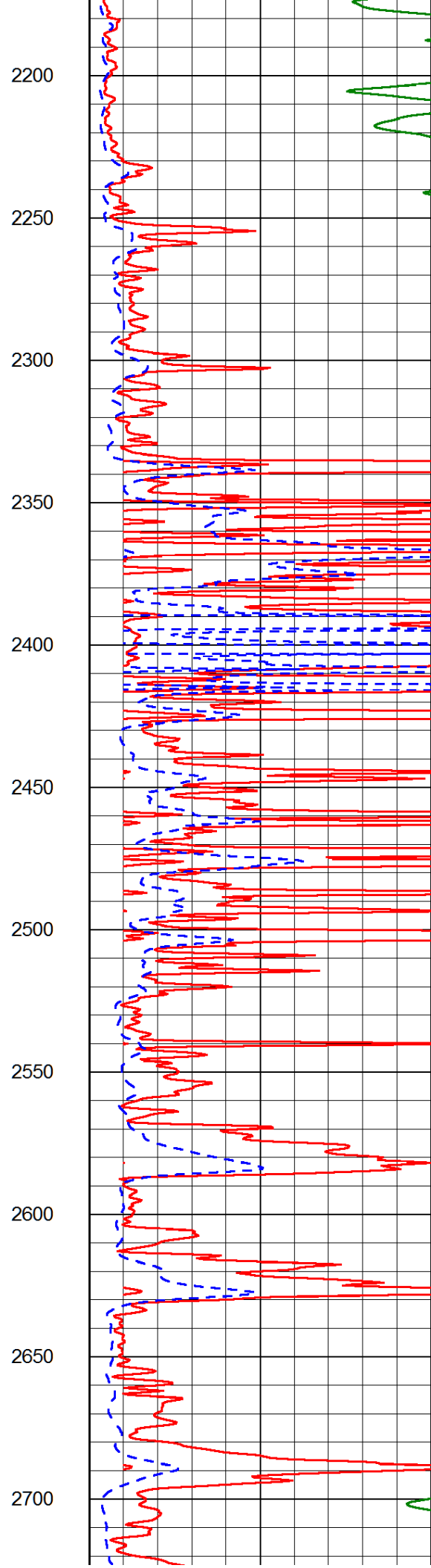
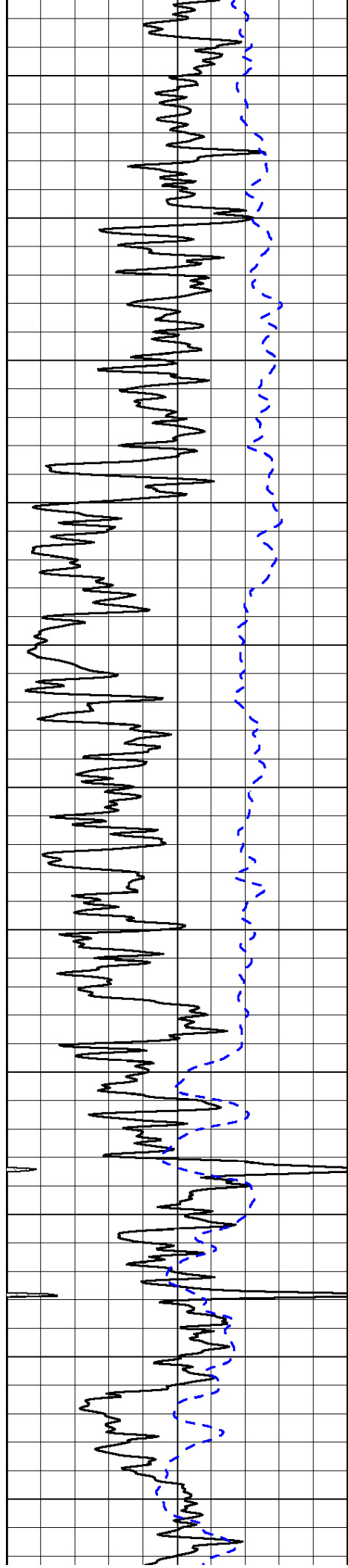
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Presentation Format: dil2in
Dataset Creation: Thu Sep 25 04:27:05 2014
Charted by: Depth in Feet scaled 1:600

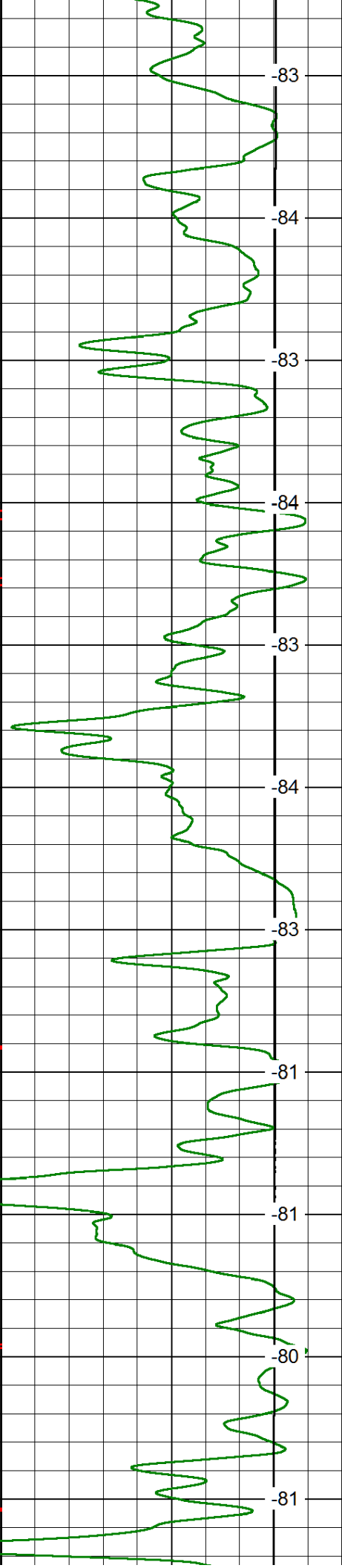
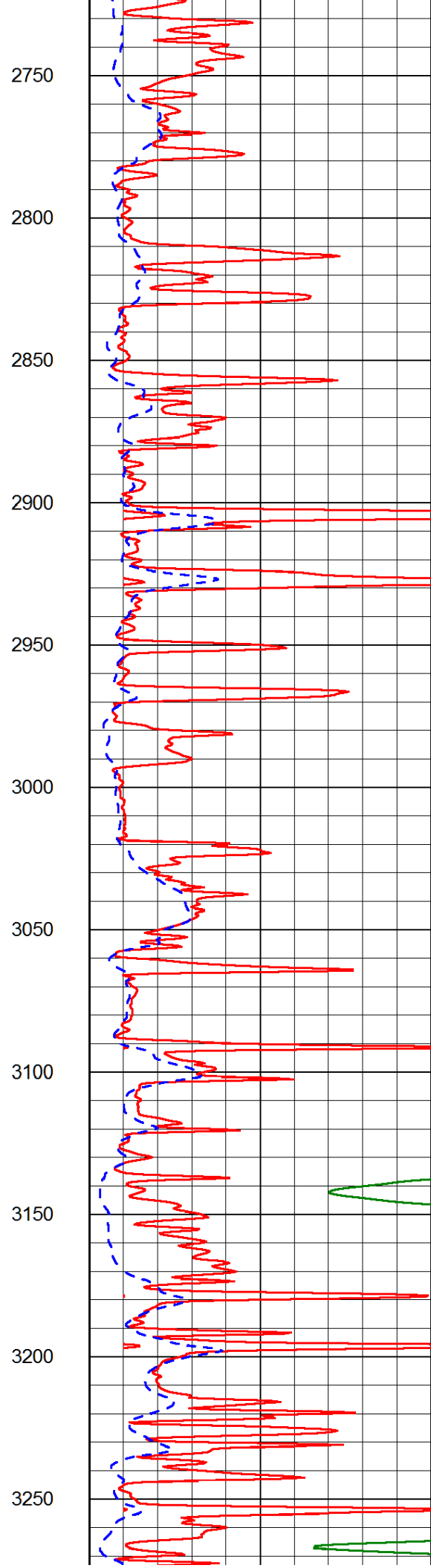
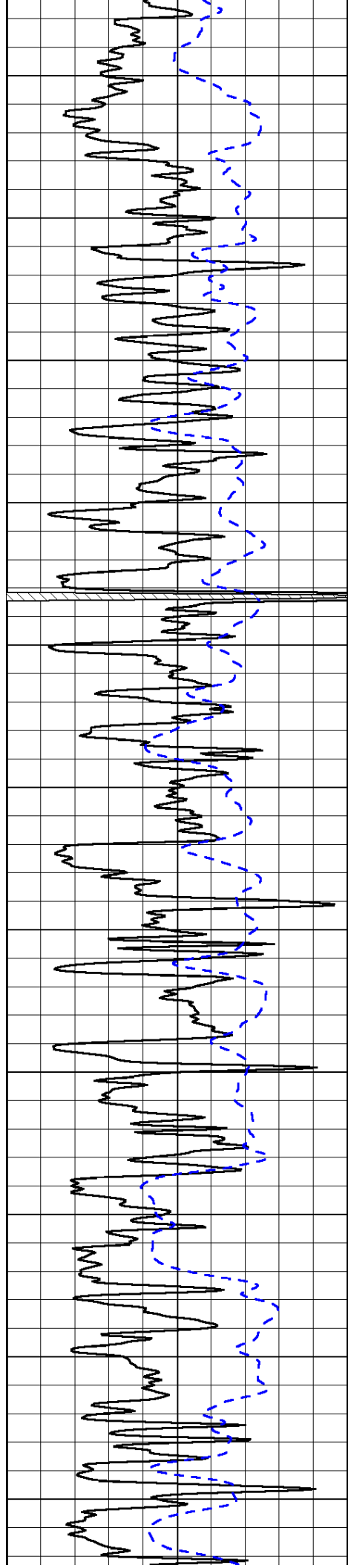
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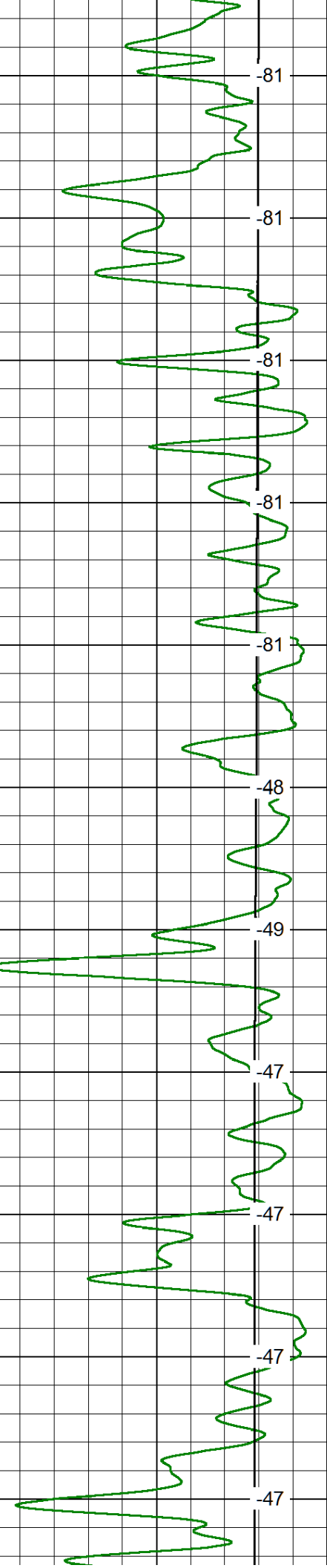
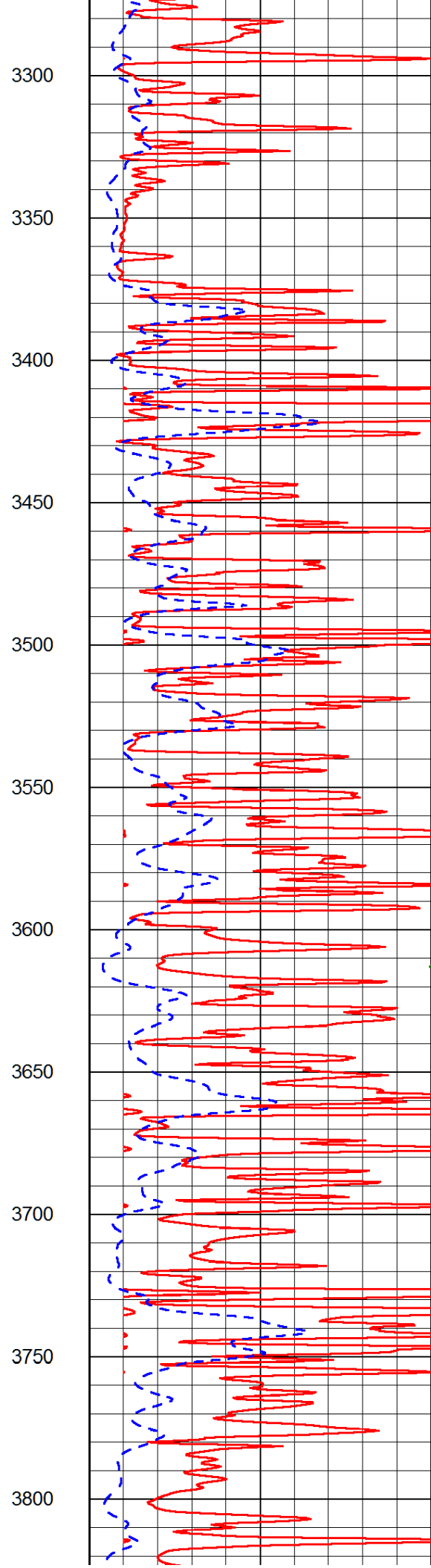
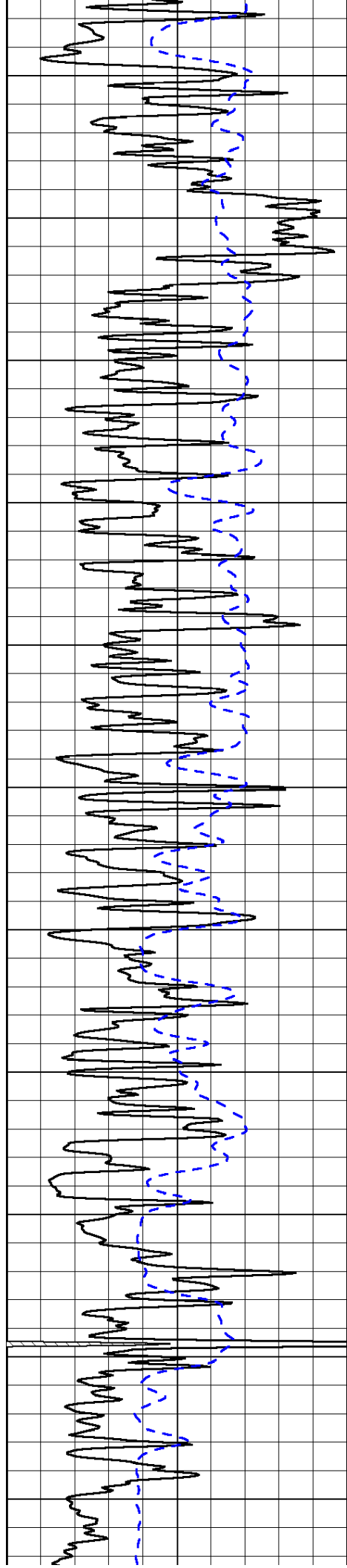
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15000	Line Tension	0
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50	Deep Resistivity	500

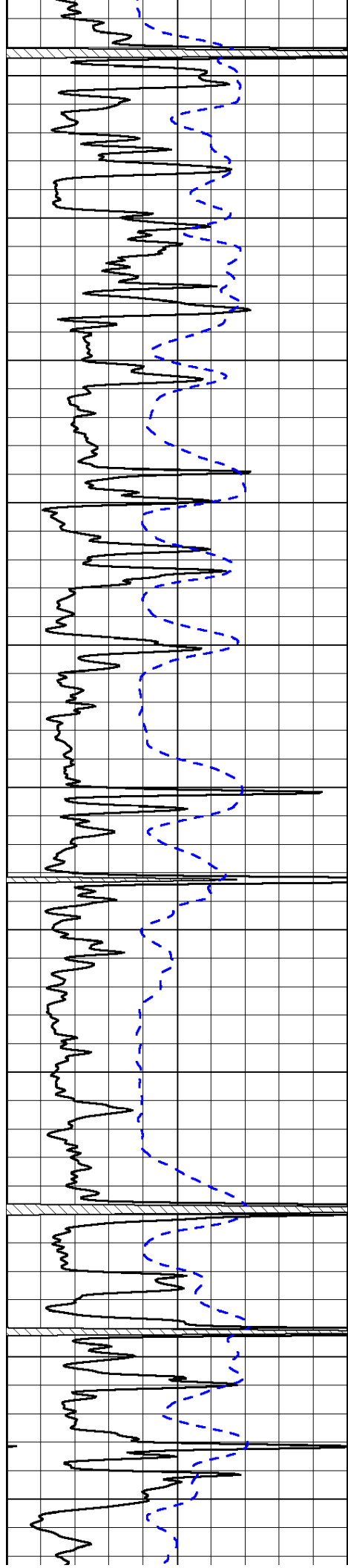
LSPD











3850

3900

3950

4000

4050

4100

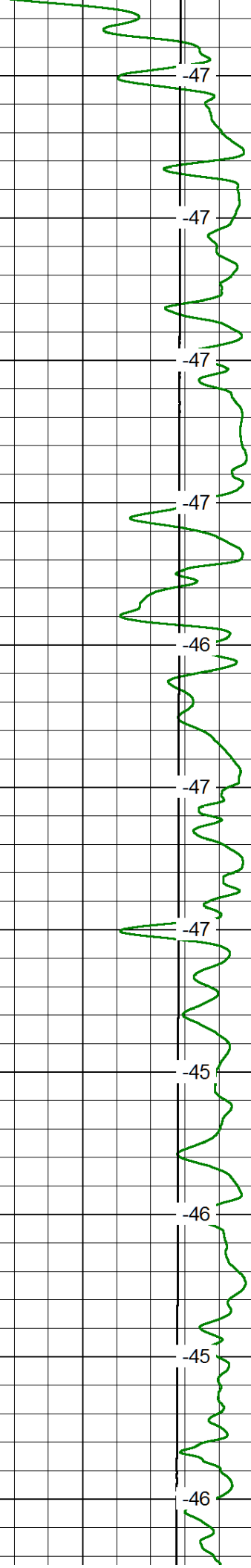
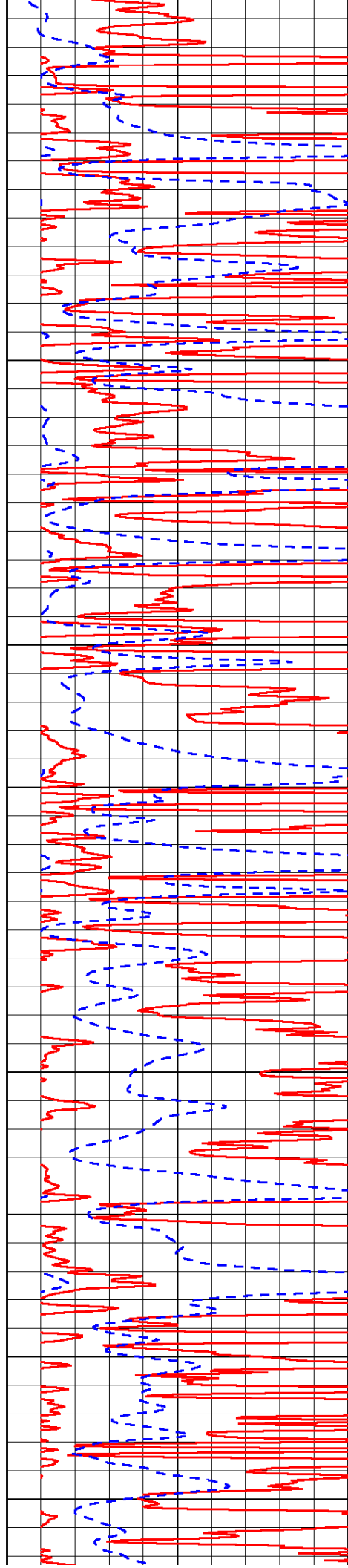
4150

4200

4250

4300

4350



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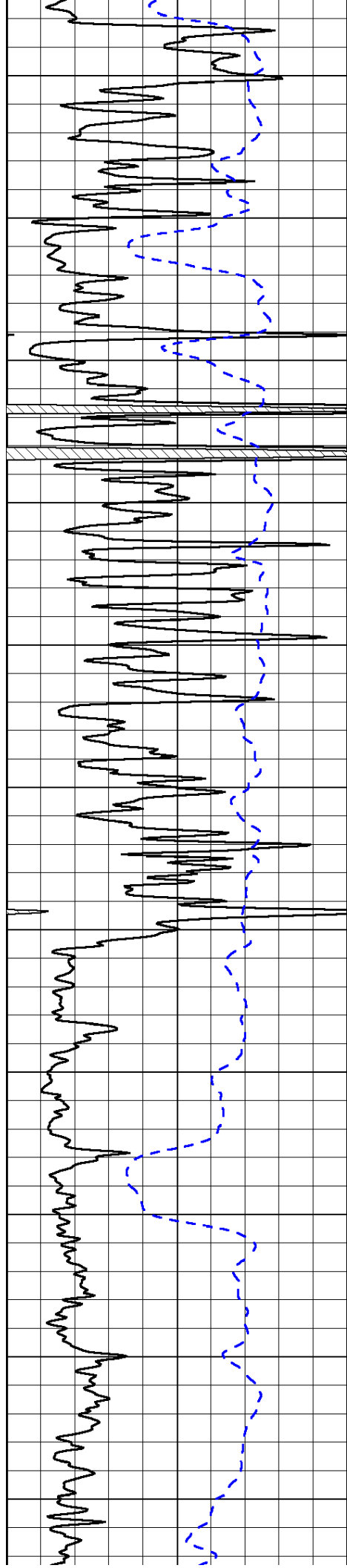
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4400

4450

4500

4550

4600

4650

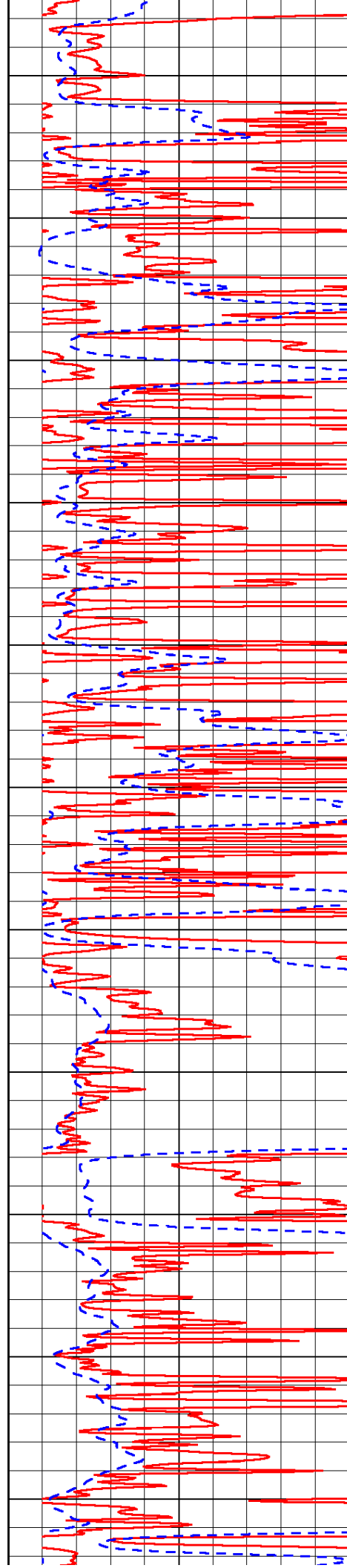
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4750

4800

4850

4900



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-45

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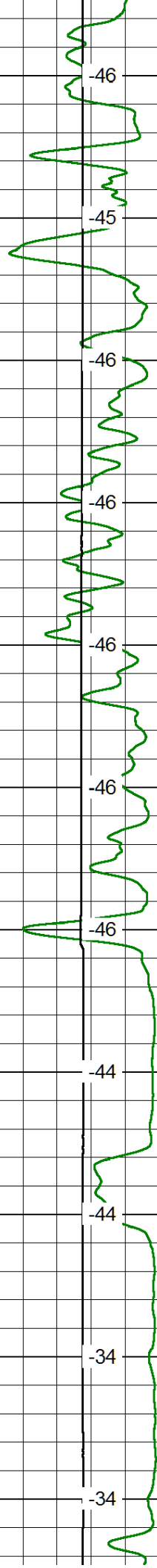
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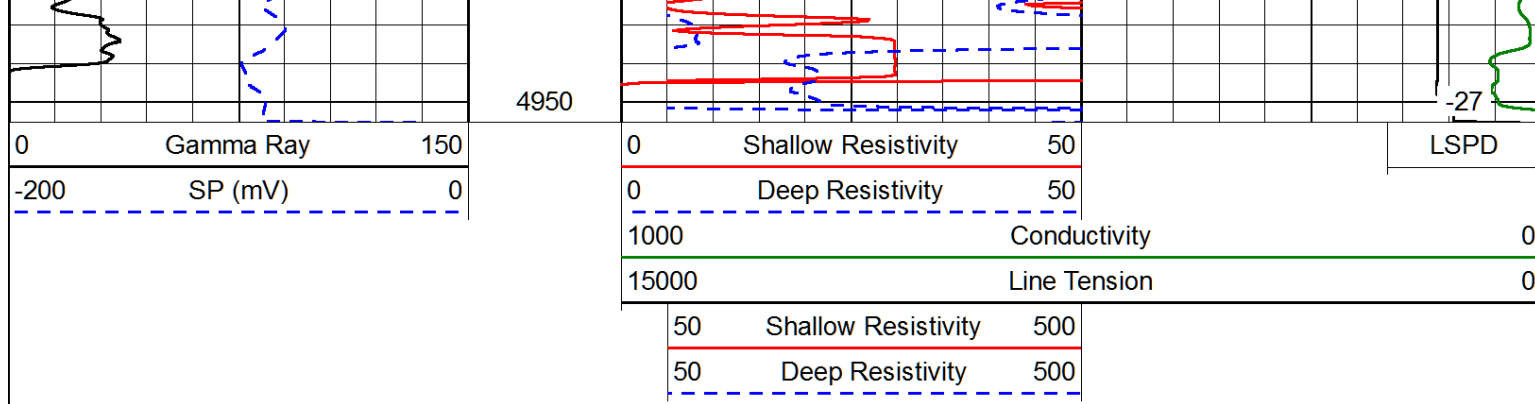
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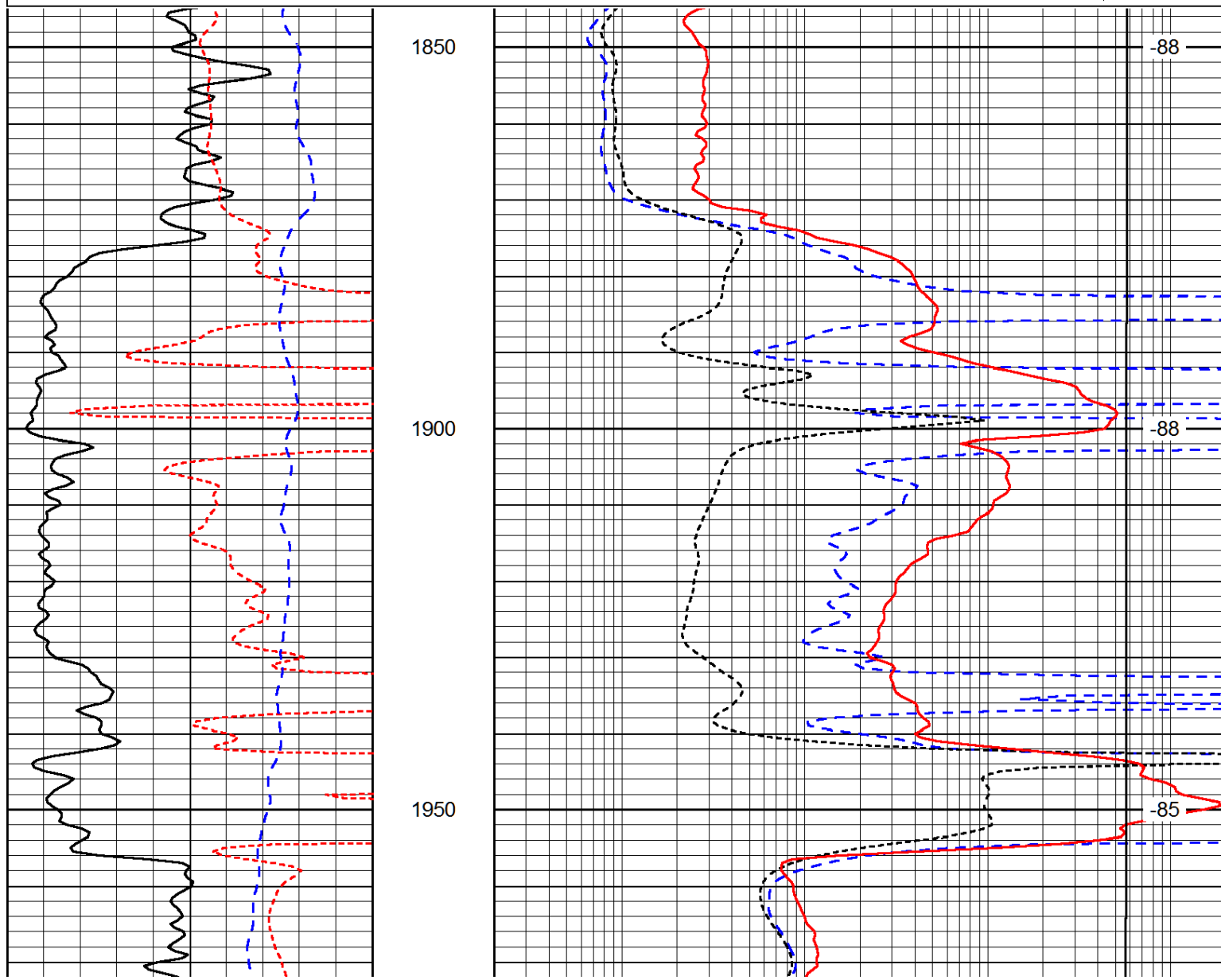
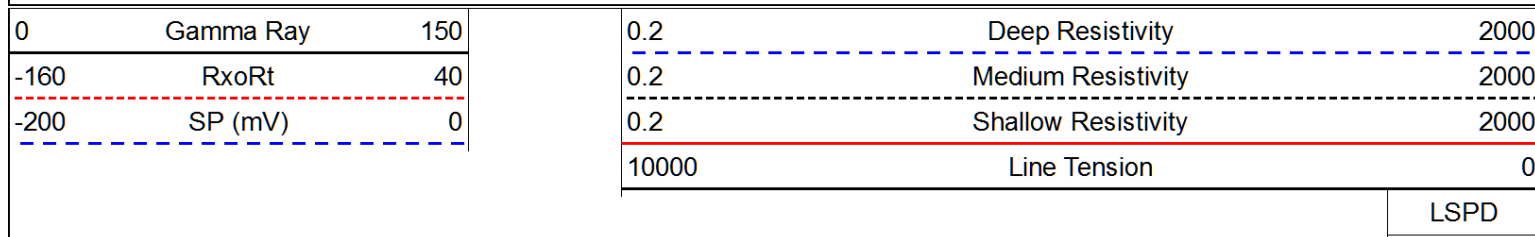
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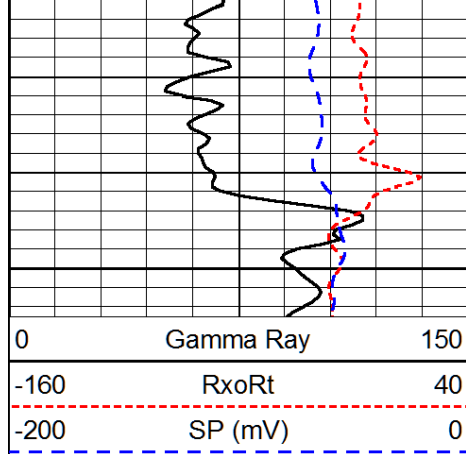
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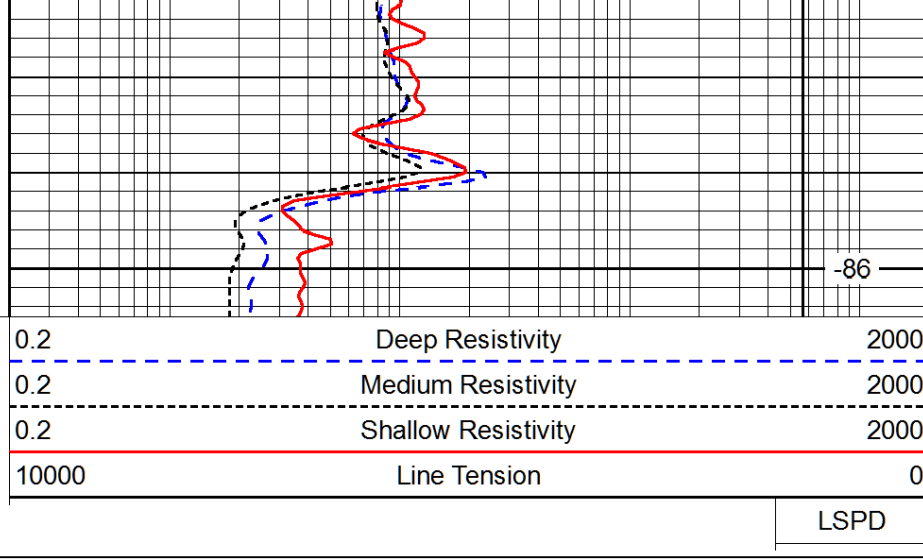


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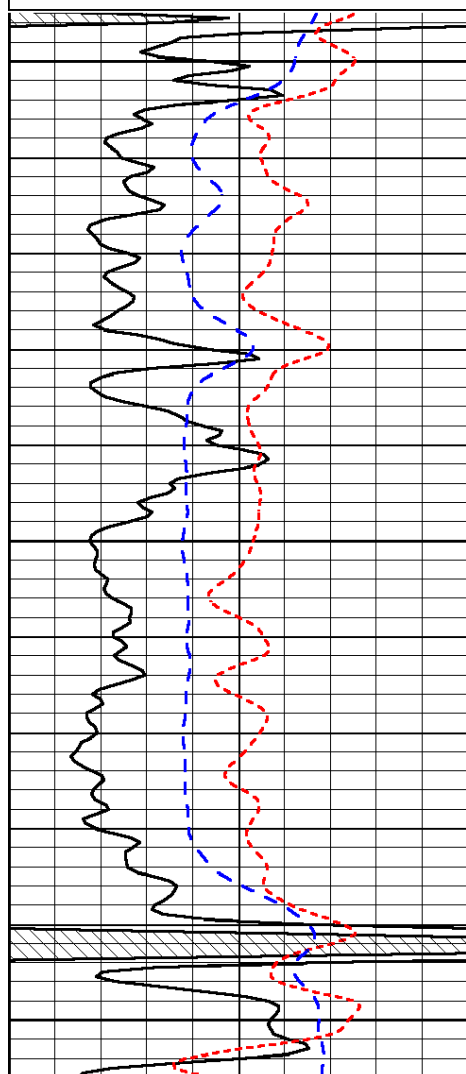
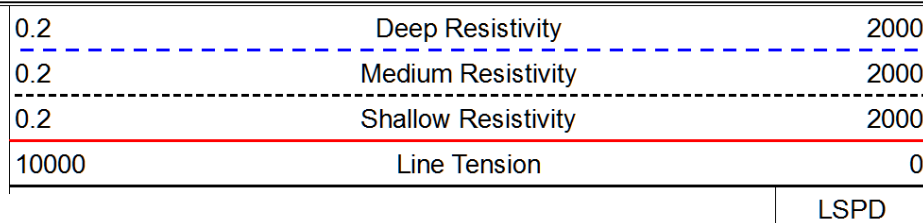
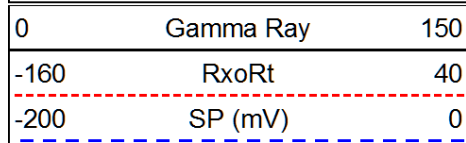




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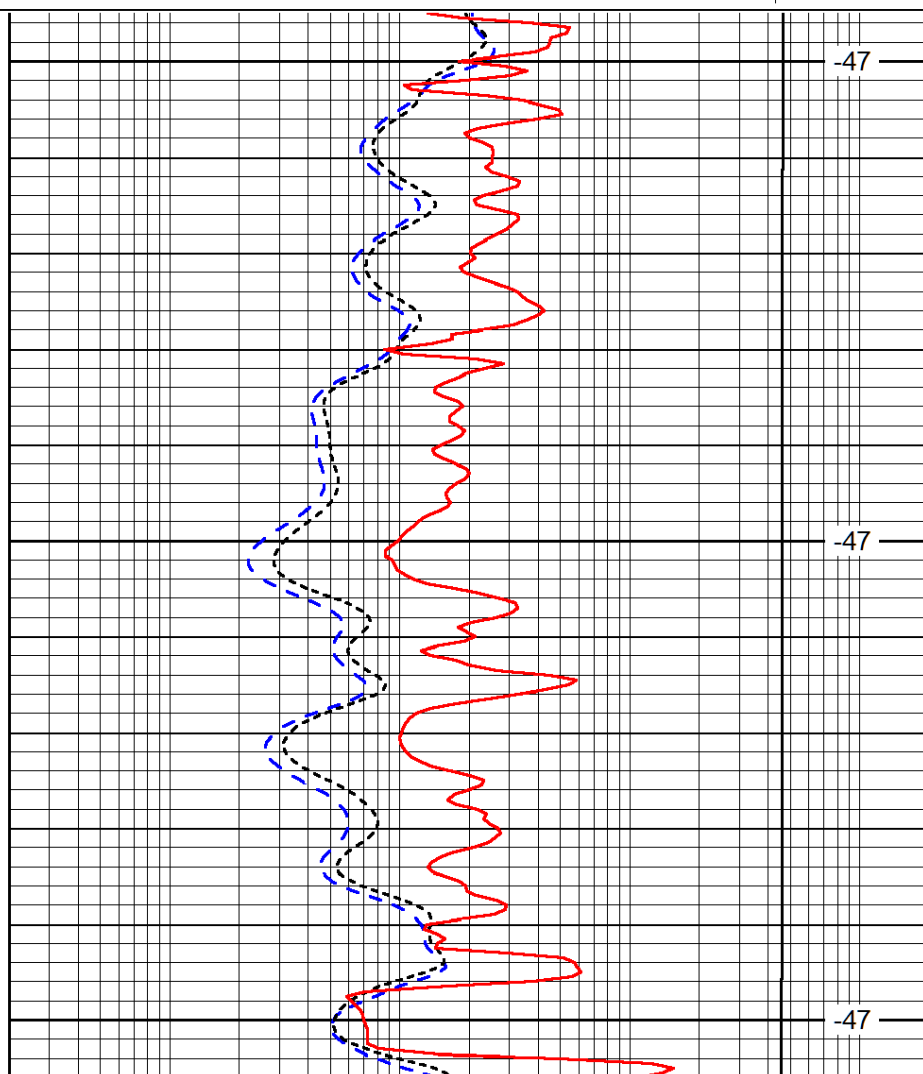
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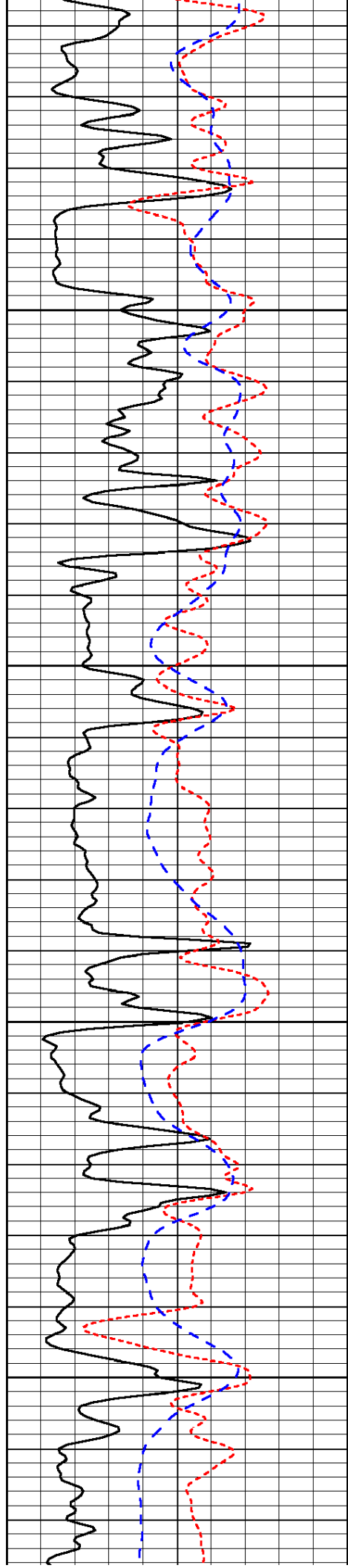


3750

3800

3850



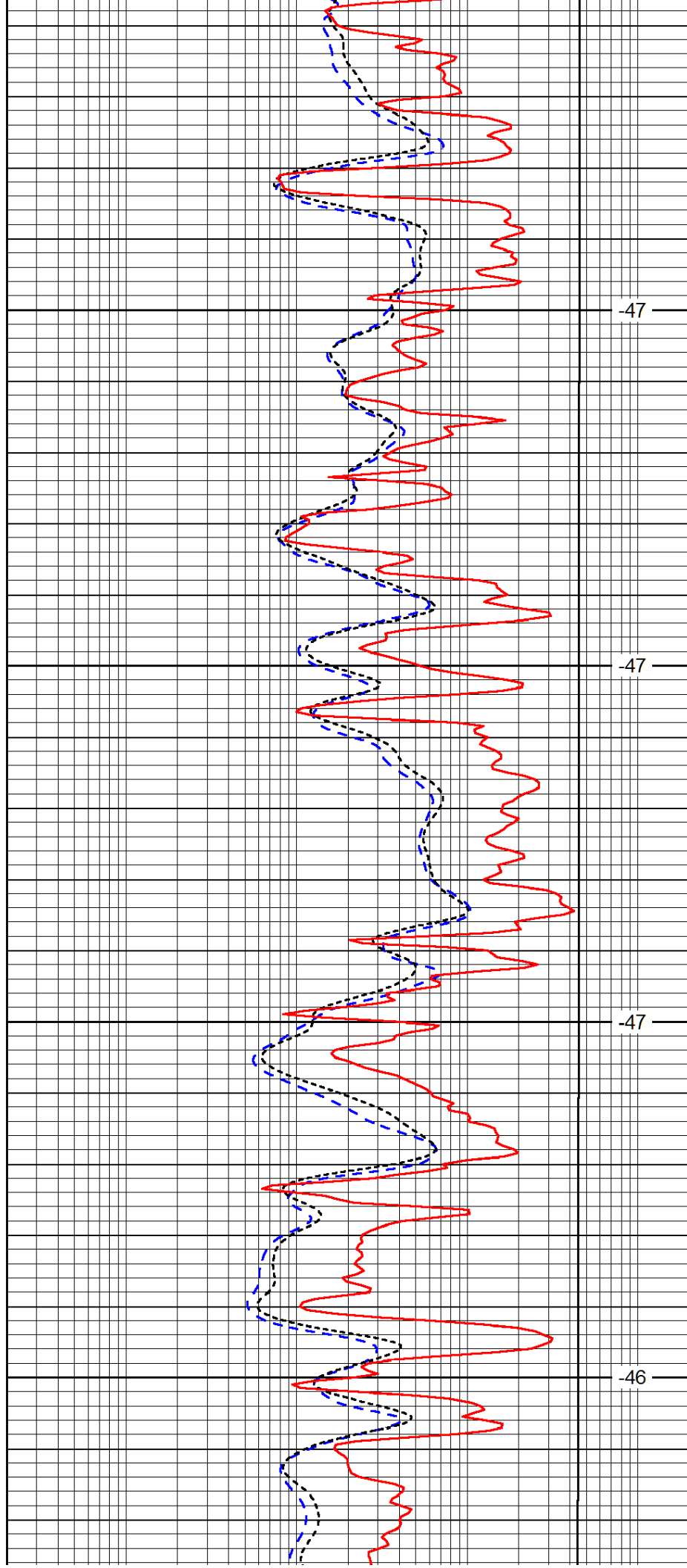


3900

3950

4000

4050

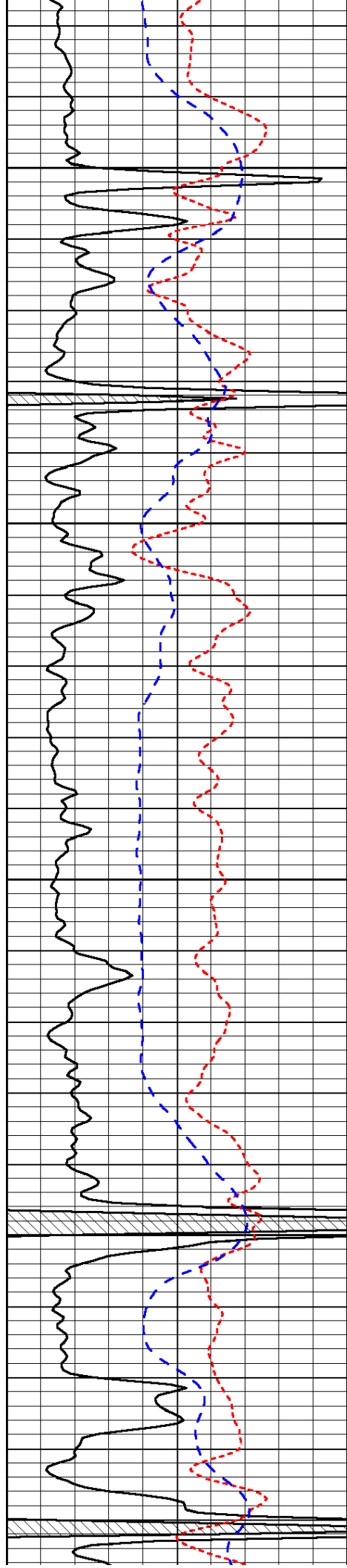


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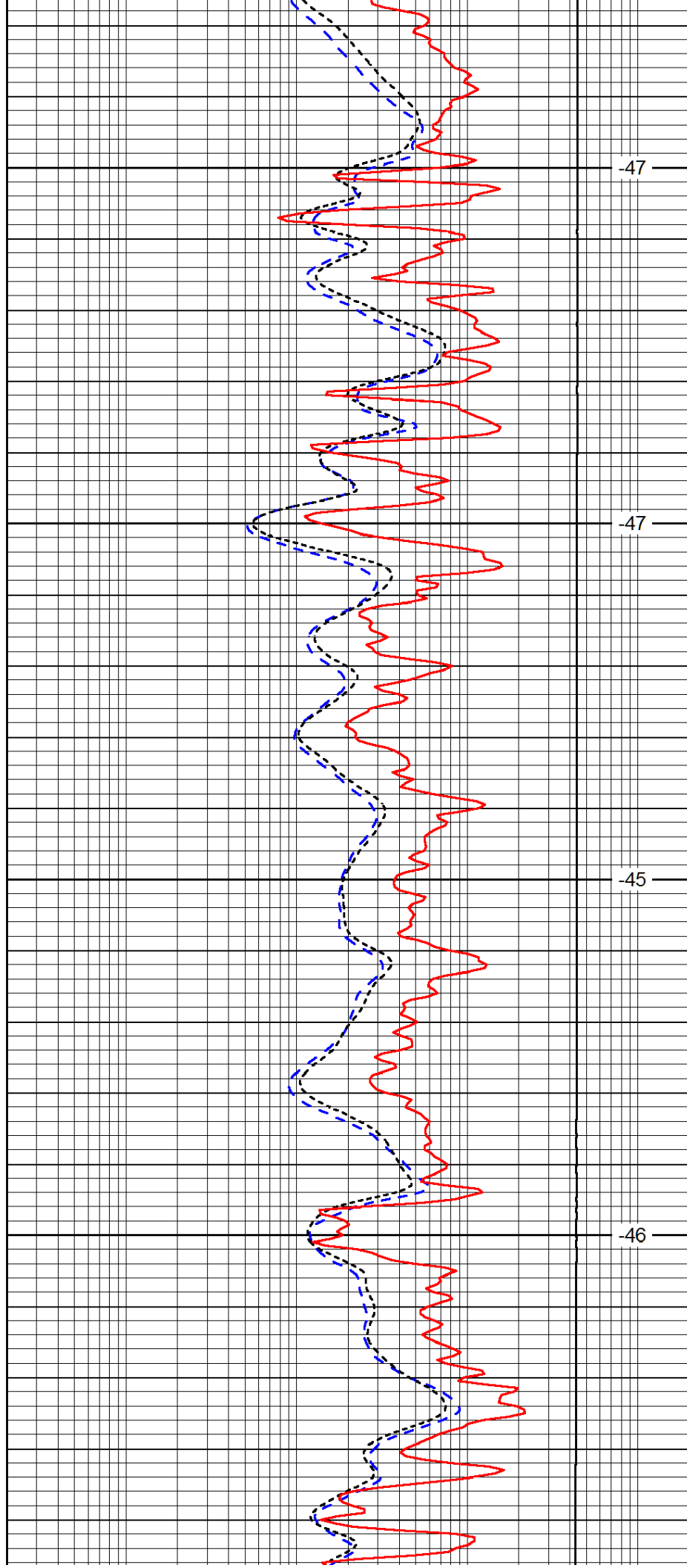


4100

4150

4200

4250

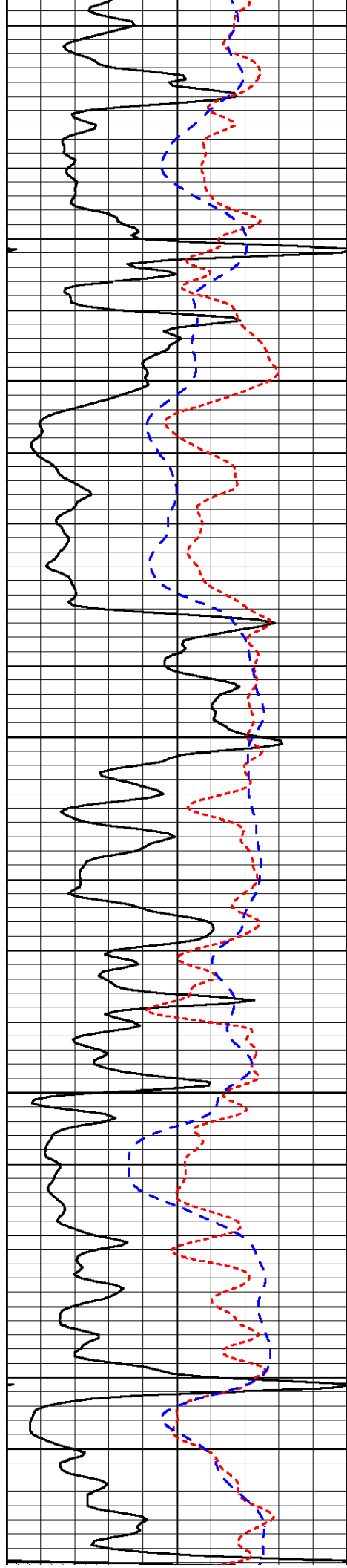


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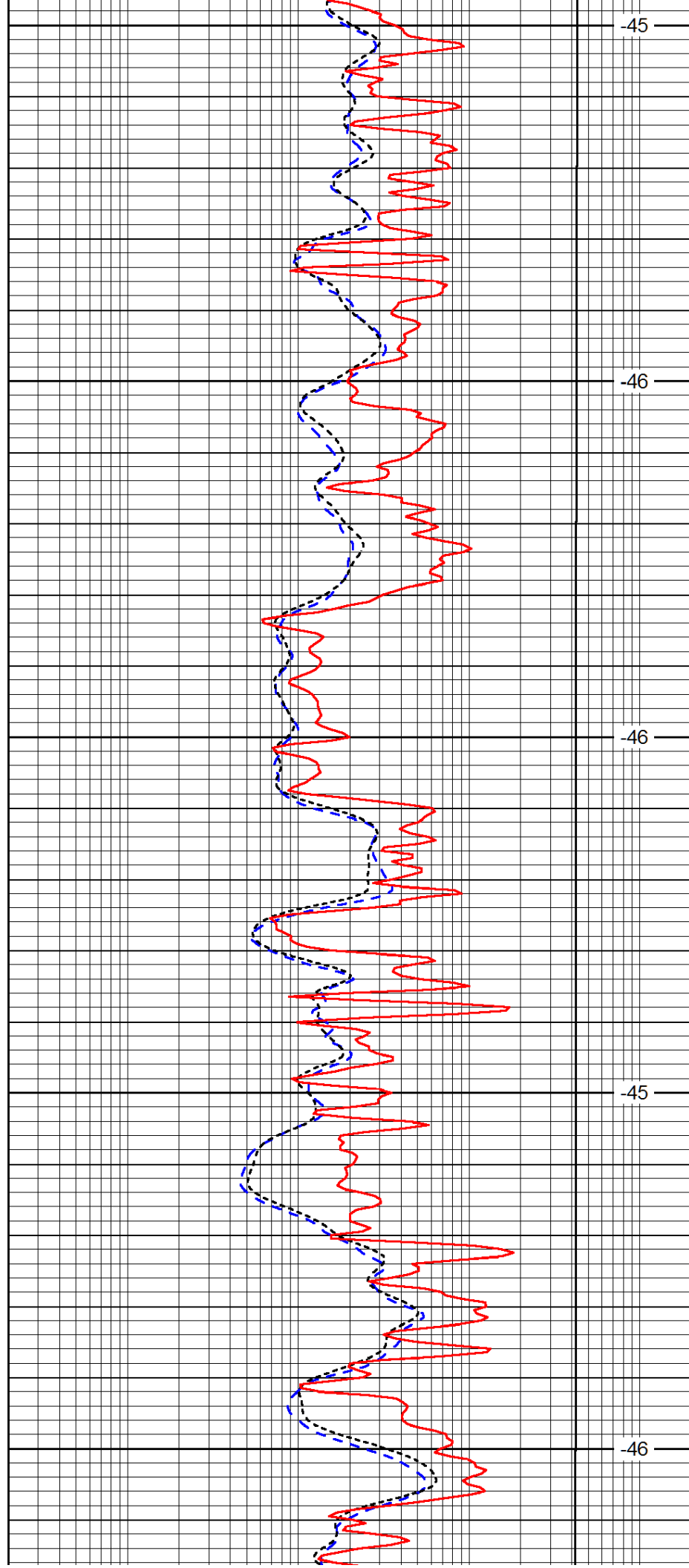
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4350

4400

4450

4500



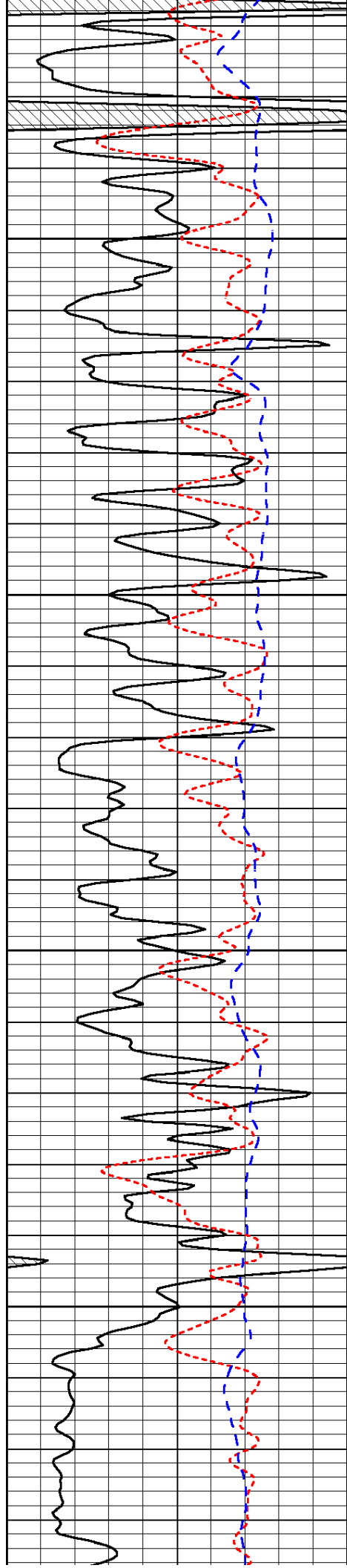
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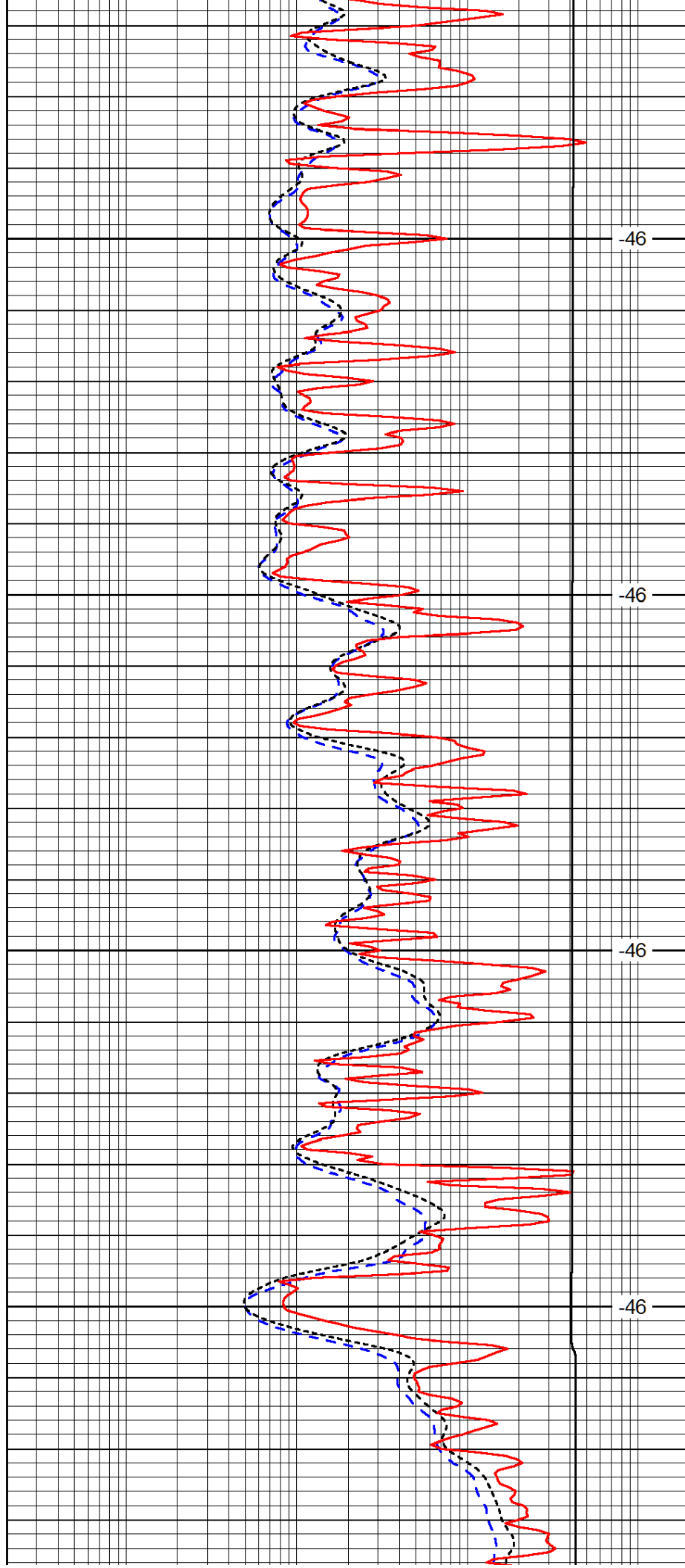


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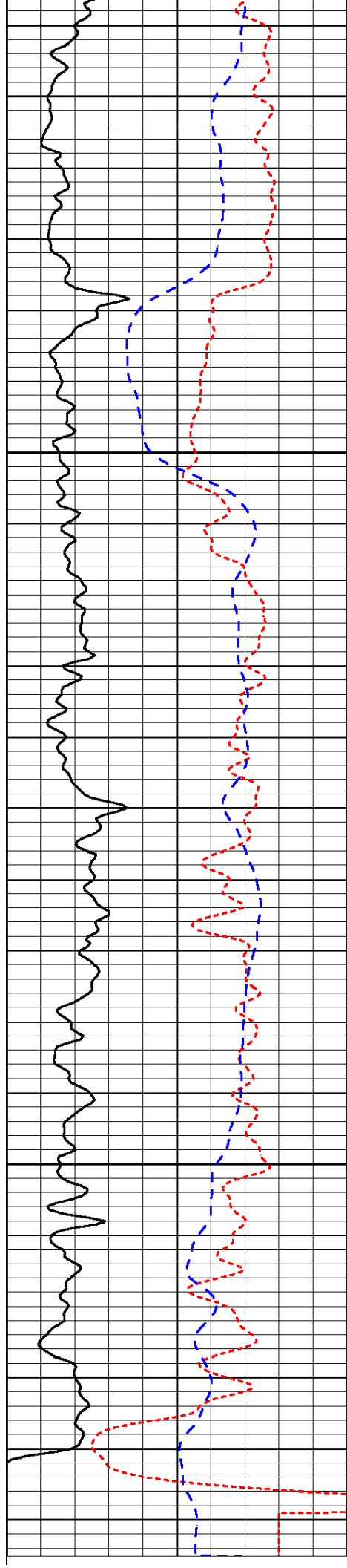


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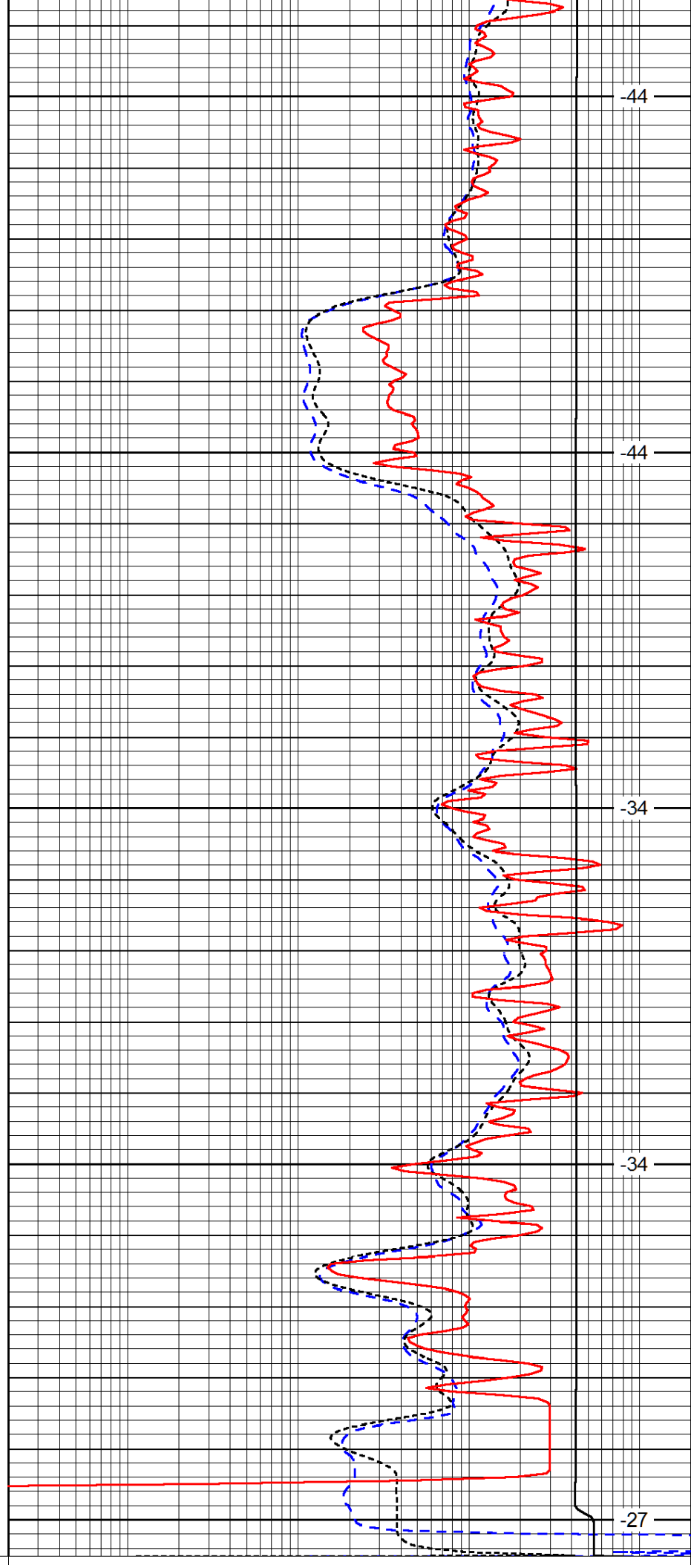
4750

4800

4850

4900

4950



-44

-44

-34

-34

-27

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

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD