



Dual Induction Log

Pioneer Energy Services

API No.

15-055-22,316-00-00

Company American Warrior, Inc.

Well Tancayo No. 2-3

Field

County Finney State Kansas

Location 2,274' FSL & 2,258' FWL

Sec: 3 Twp: 25s Rge: 31w

Other Services
CNL/CDL
MEL

Elevation

K.B. 2873
D.F.
G.L. 2862

Permanent Datum Ground Level Elevation 2862
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 7/16/2014

Run Number One

Depth Driller 5100

Depth Logger 5100

Bottom Logged Interval 5099

Top Log Interval 1700

Casing Driller 8.625 @ 1710

Casing Logger 1702

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2900

Density / Viscosity 9.45 50

pH / Fluid Loss 9.5 10.0

Source of Sample Flowline

Rm @ Meas. Temp .80 @ 74

Rmf @ Meas. Temp .60 @ 74

Rmc @ Meas. Temp 1.08 @ 74

Source of Rmf / Rmc Charts

Rm @ BHT .47 @ 127

Operating Rig Time 4 Hours

Max Rec. Temp. F 127

Equipment Number 108

Location Hays

Recorded By J Long

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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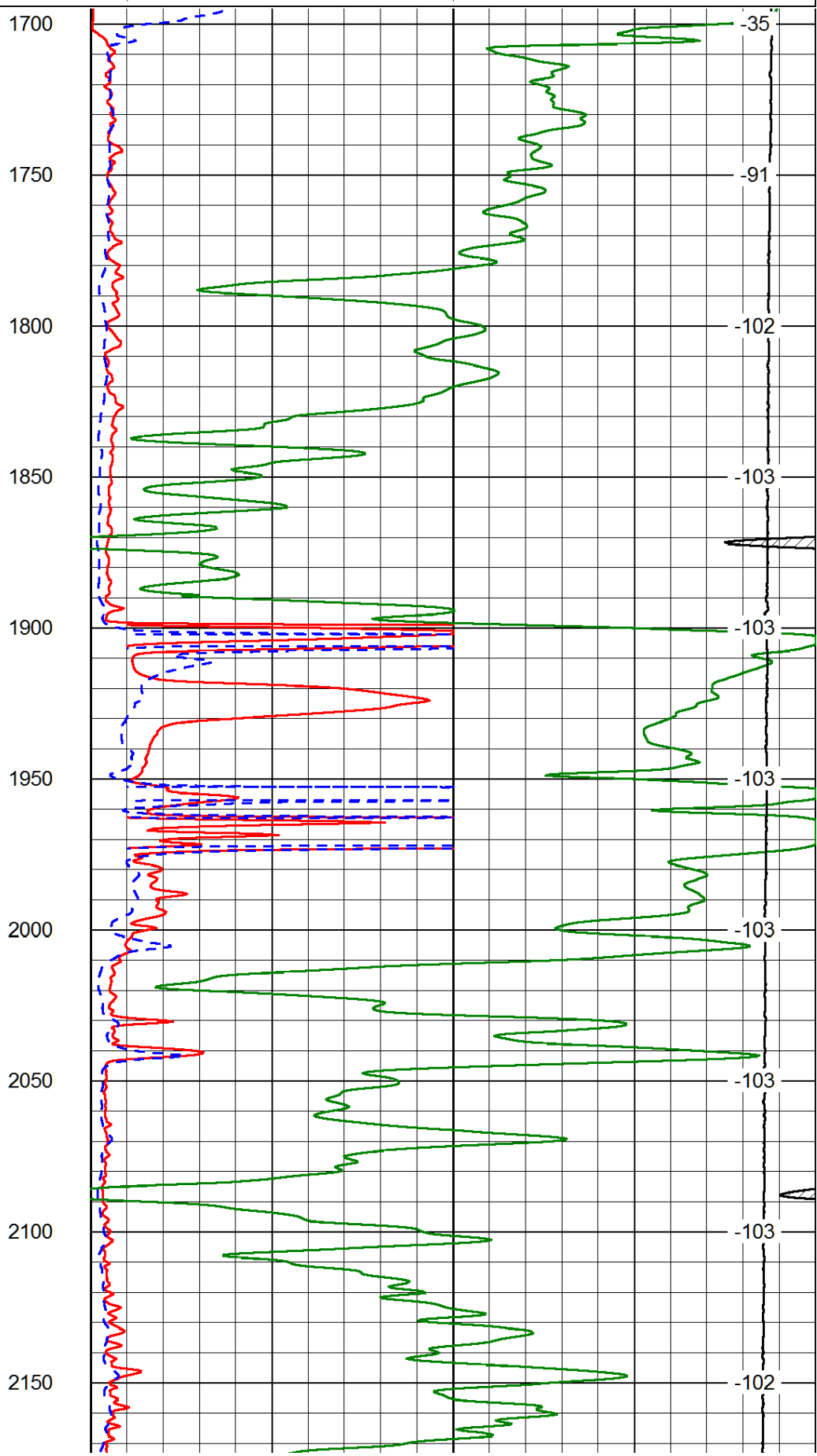
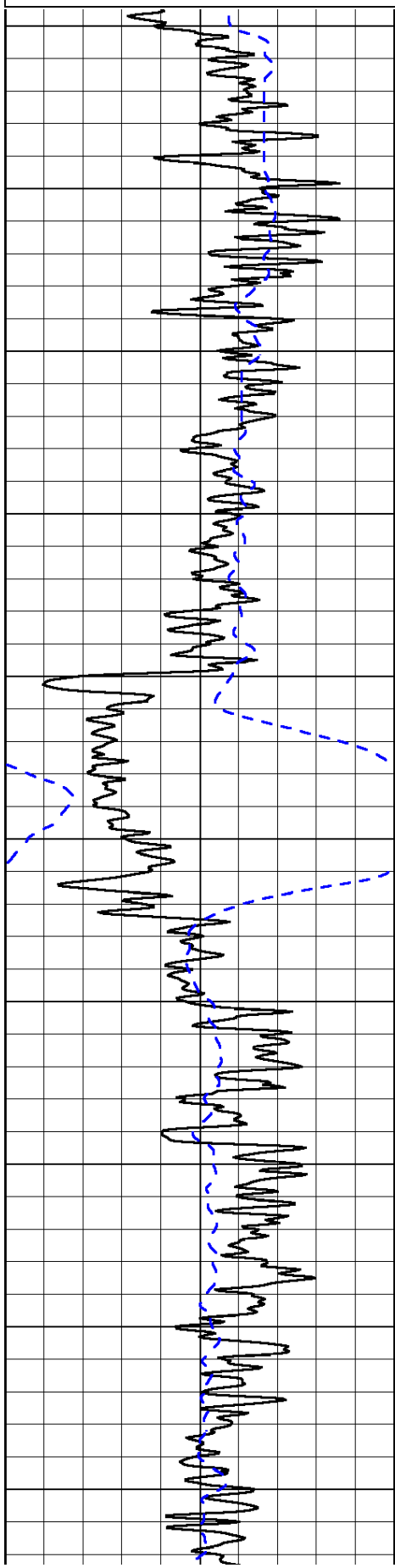
Garden City Airport, 1 Southeast on Hwy 50, Southwest Into.

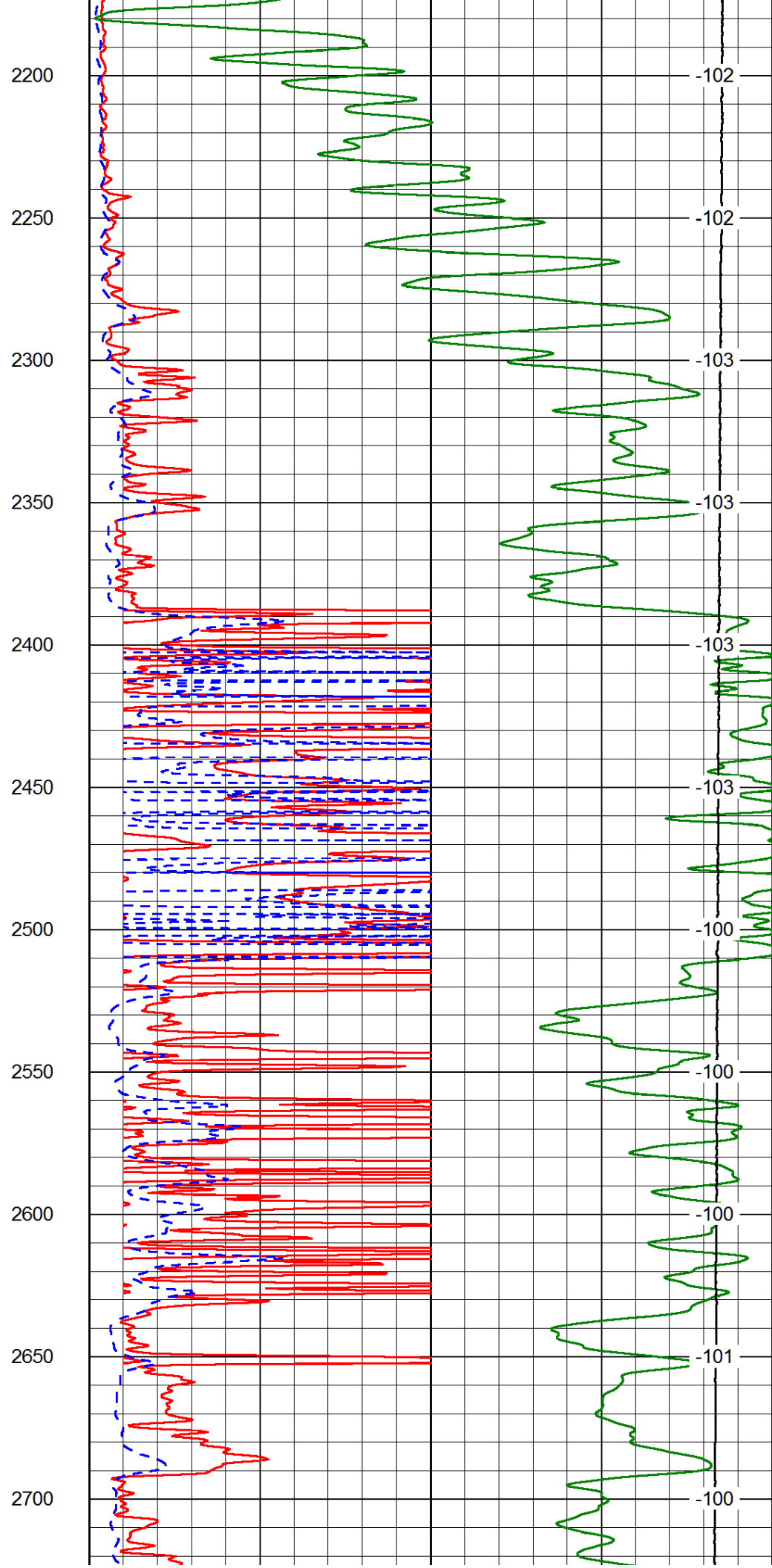
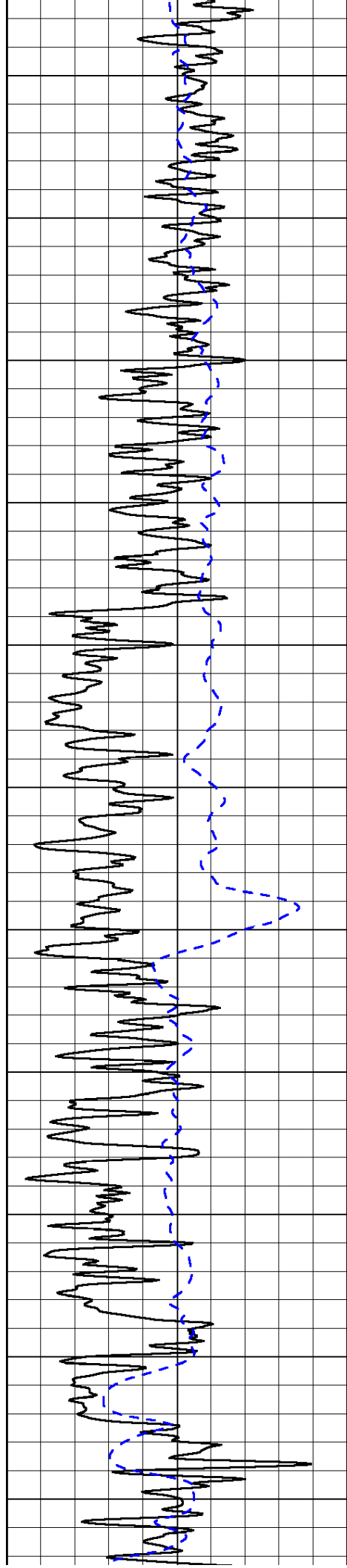
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Presentation Format: dil2in
Dataset Creation: Wed Jul 16 14:57:11 2014
Charted by: Depth in Feet scaled 1:600

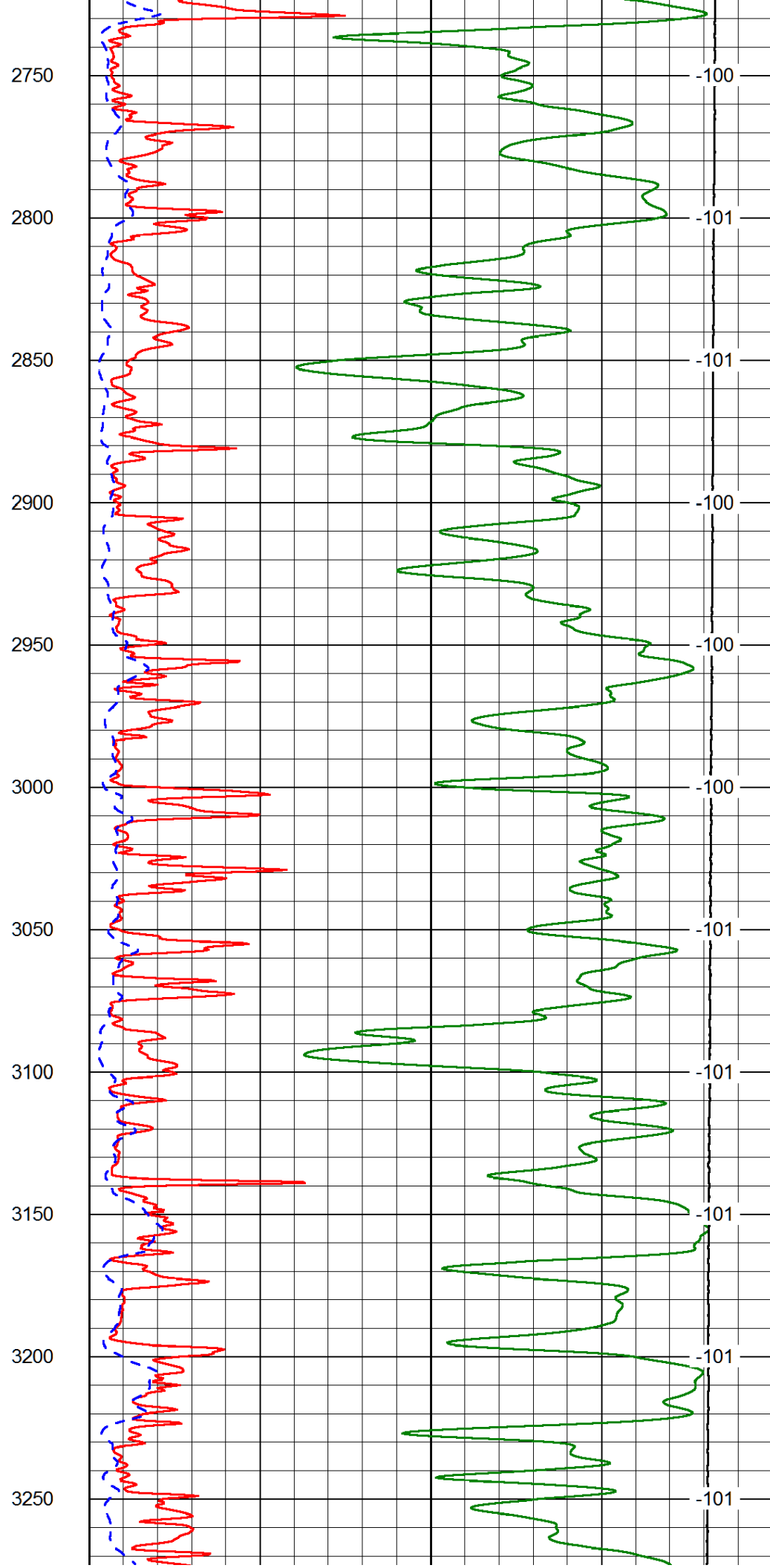
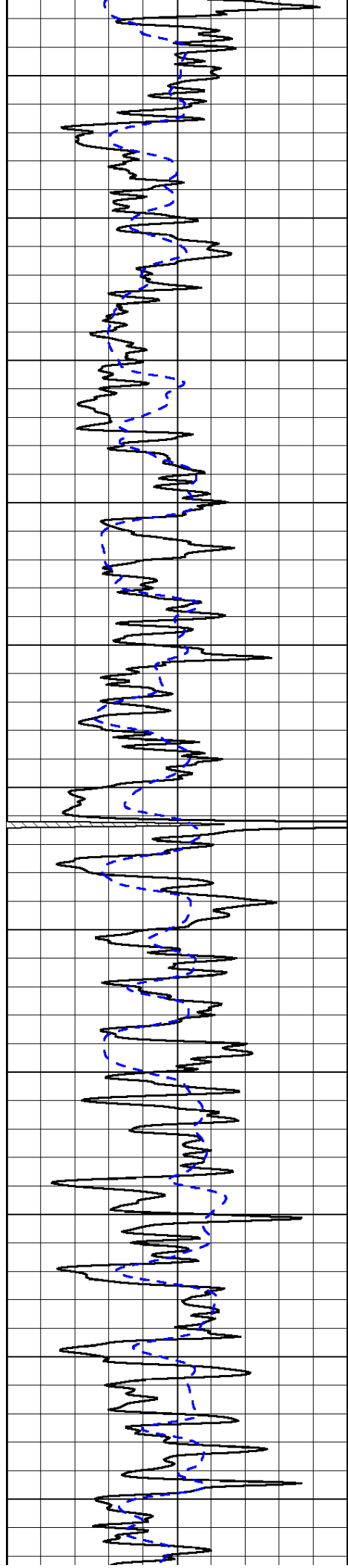
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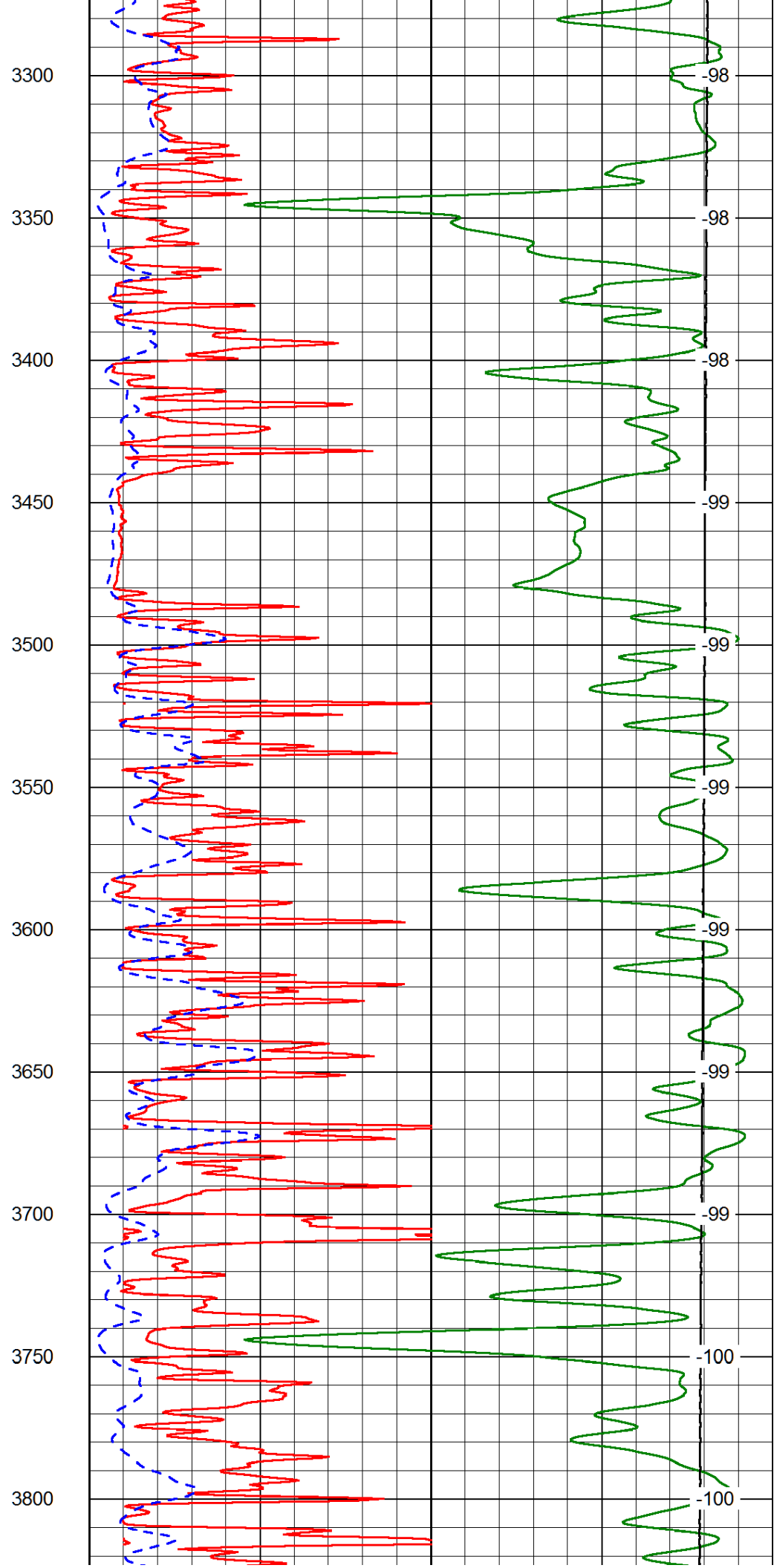
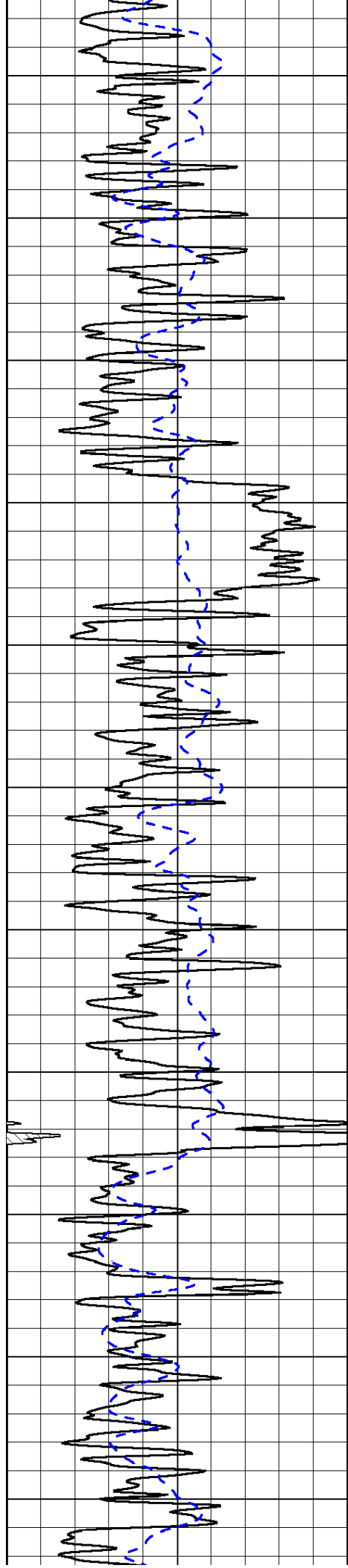
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15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

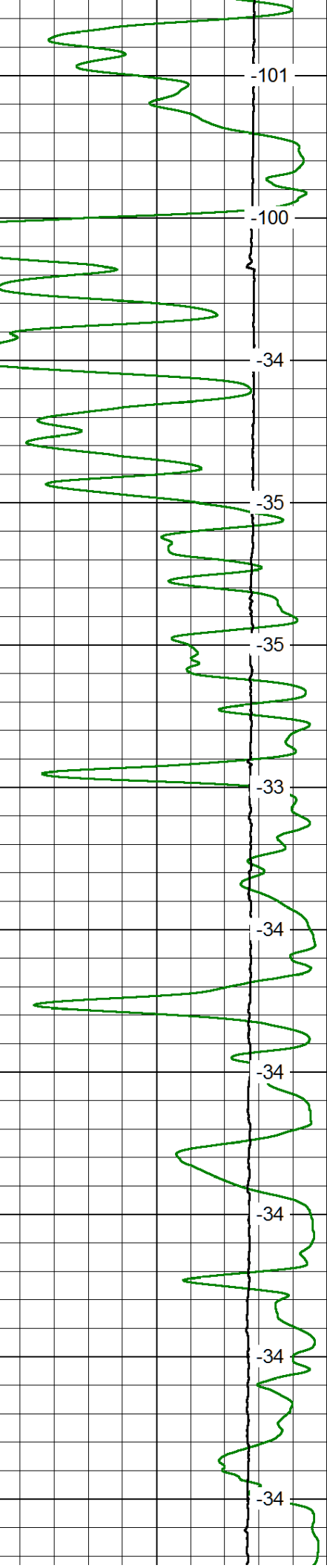
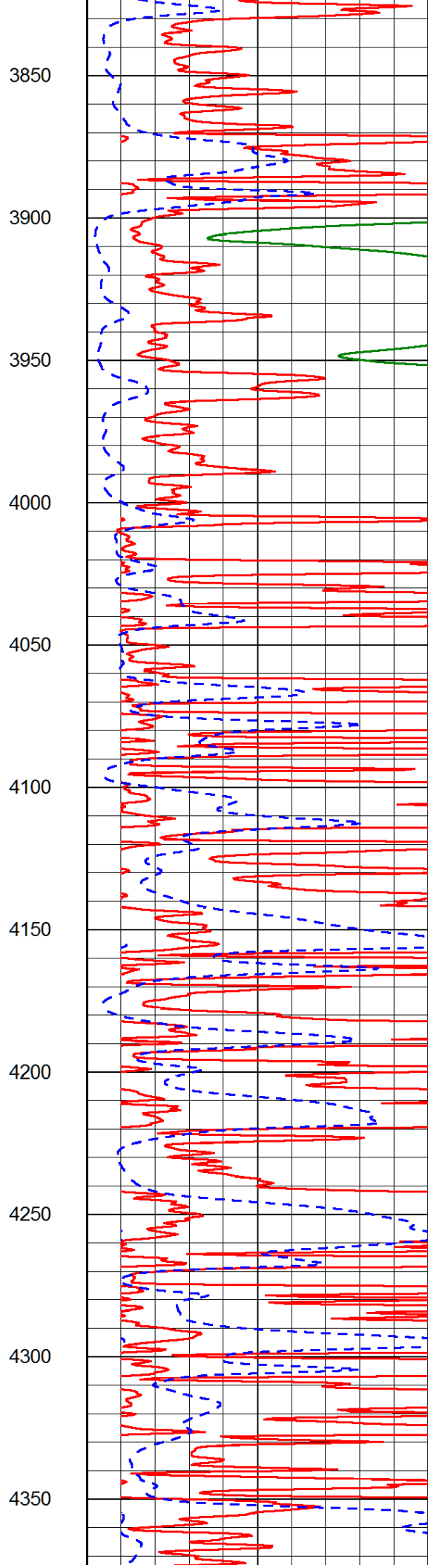
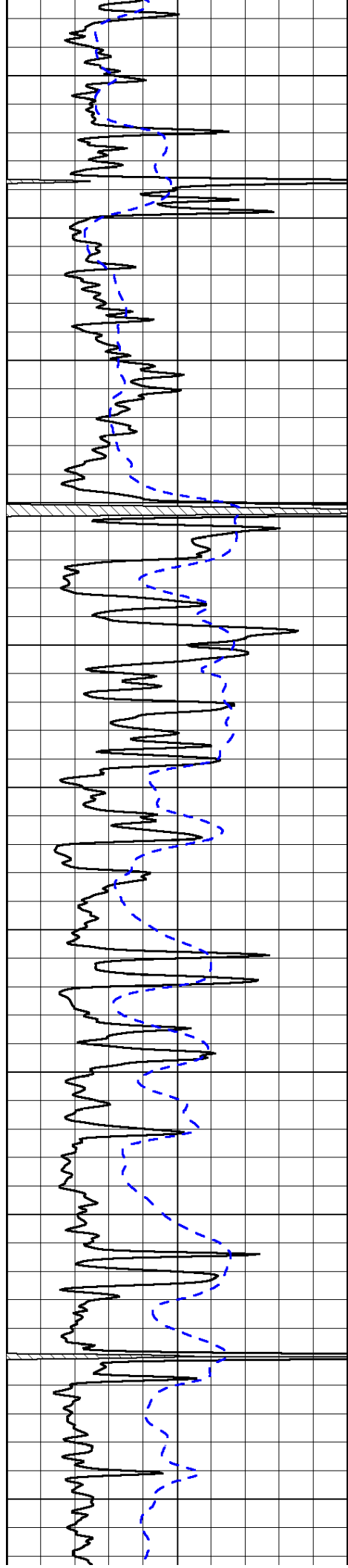
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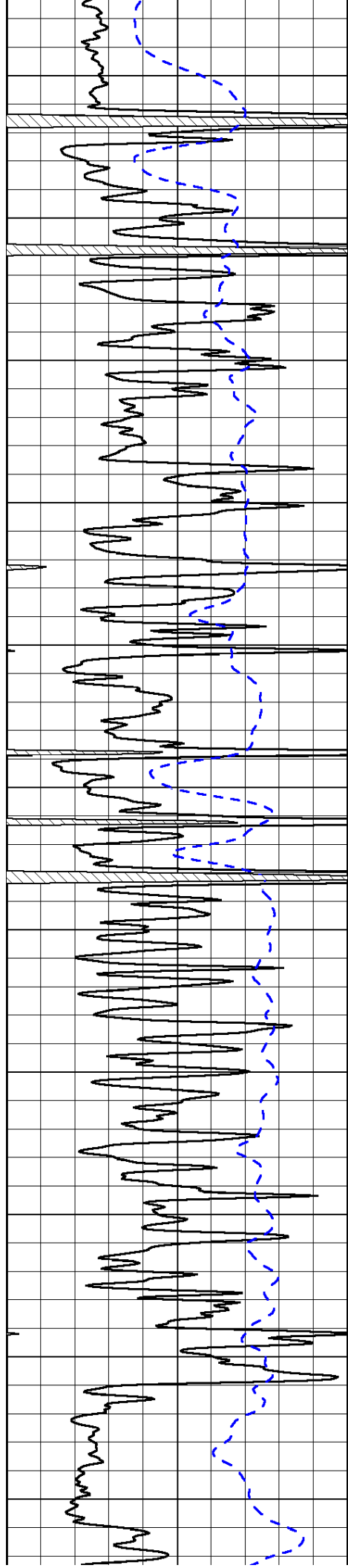












4400

4450

4500

4550

4600

4650

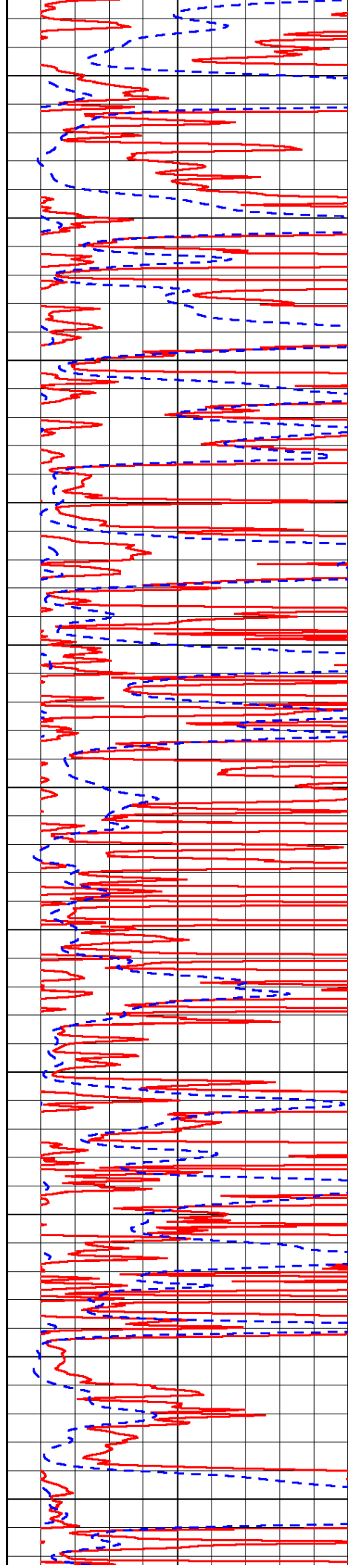
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4750

4800

4850

4900



-34

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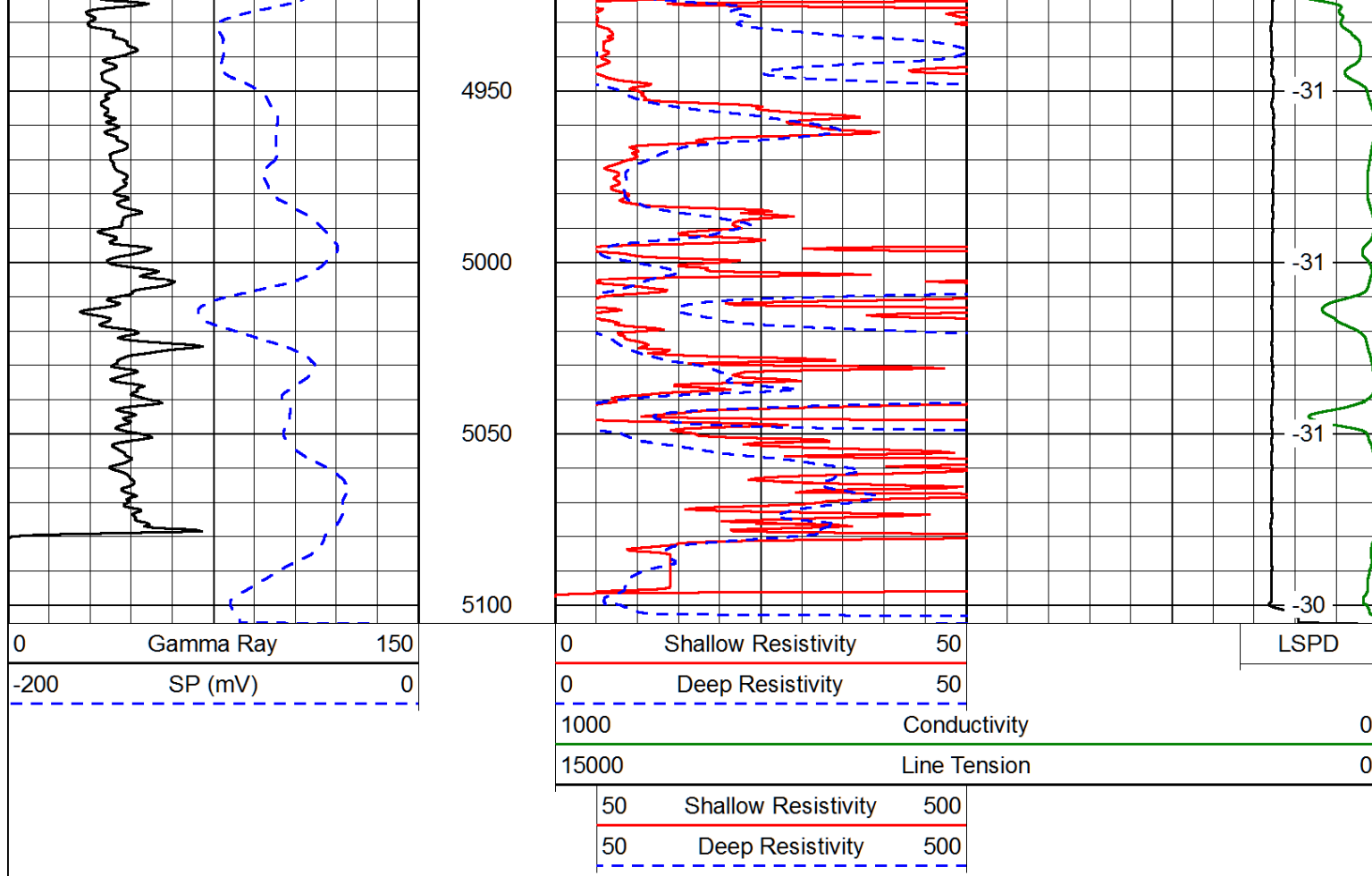
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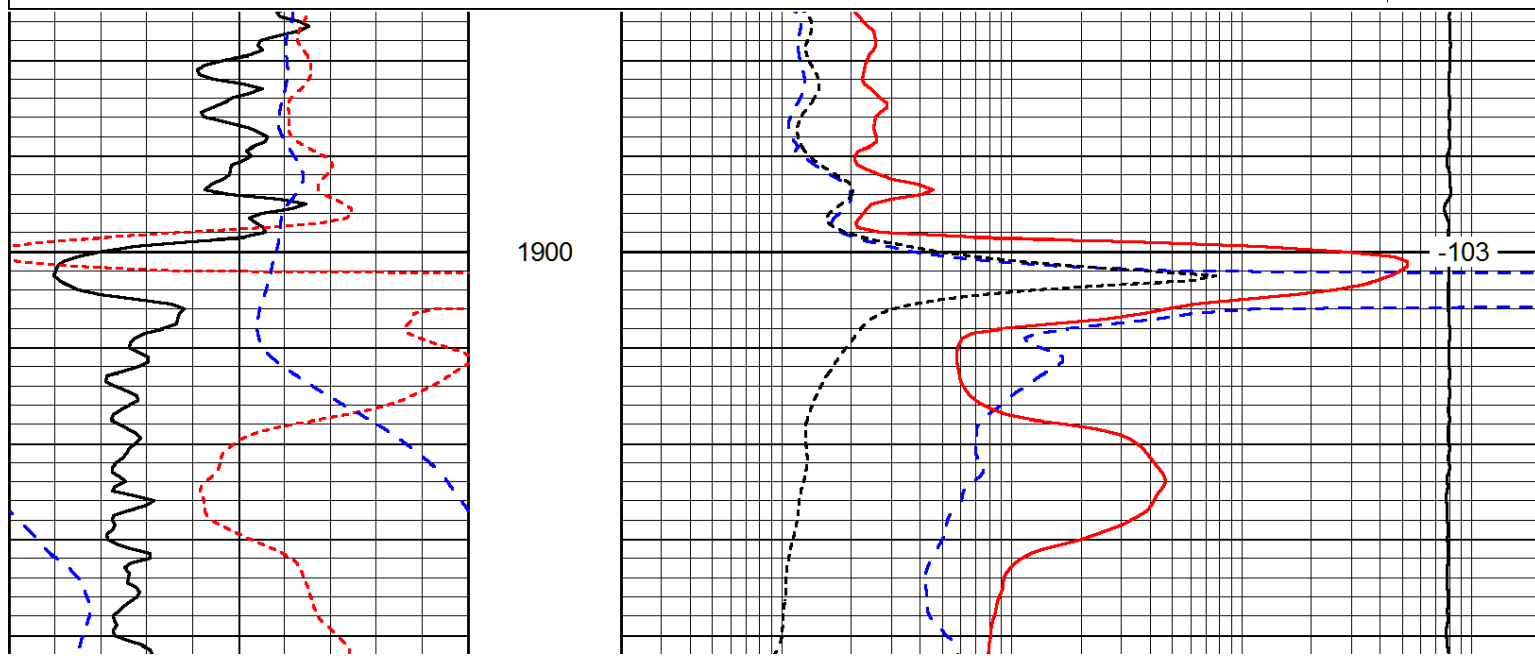
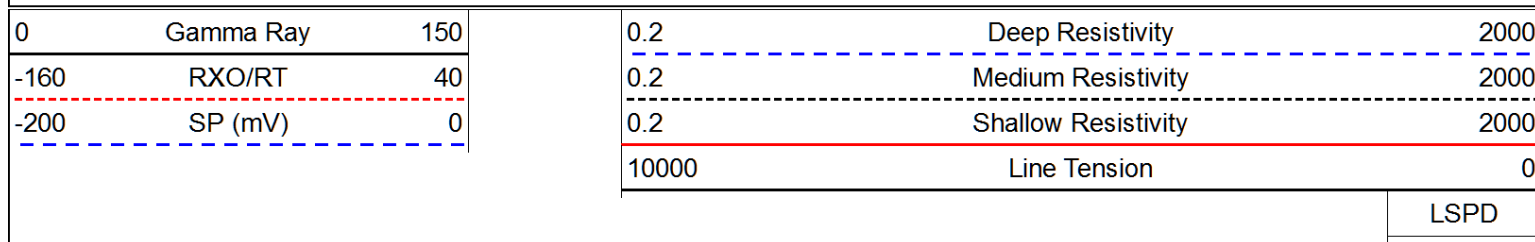
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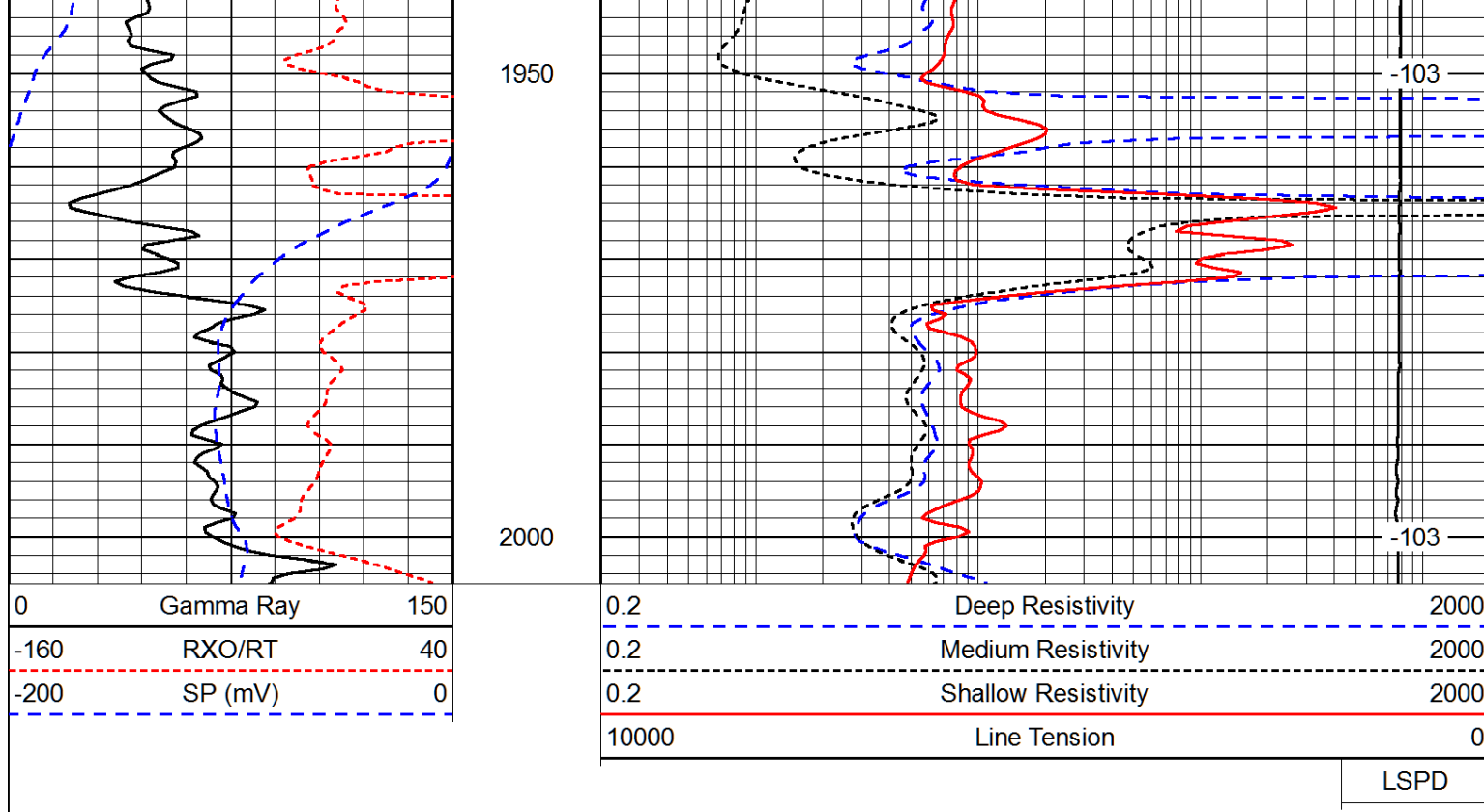
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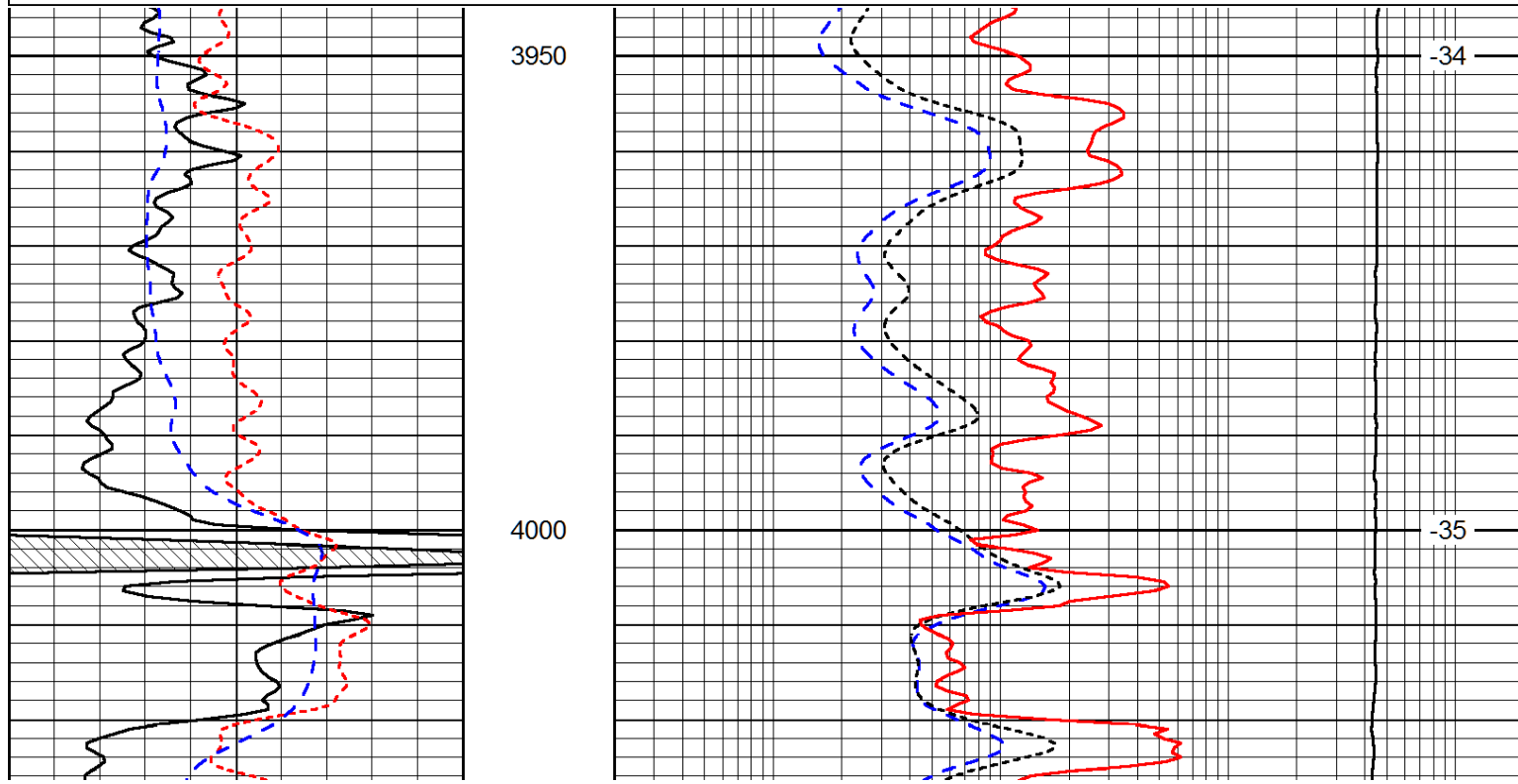
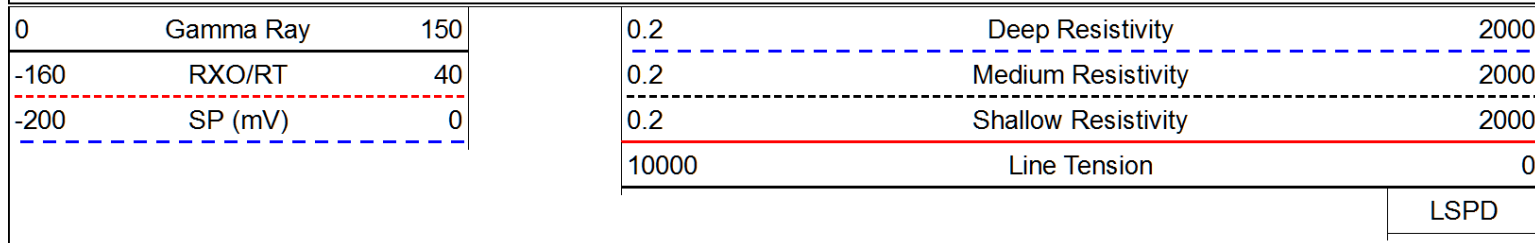


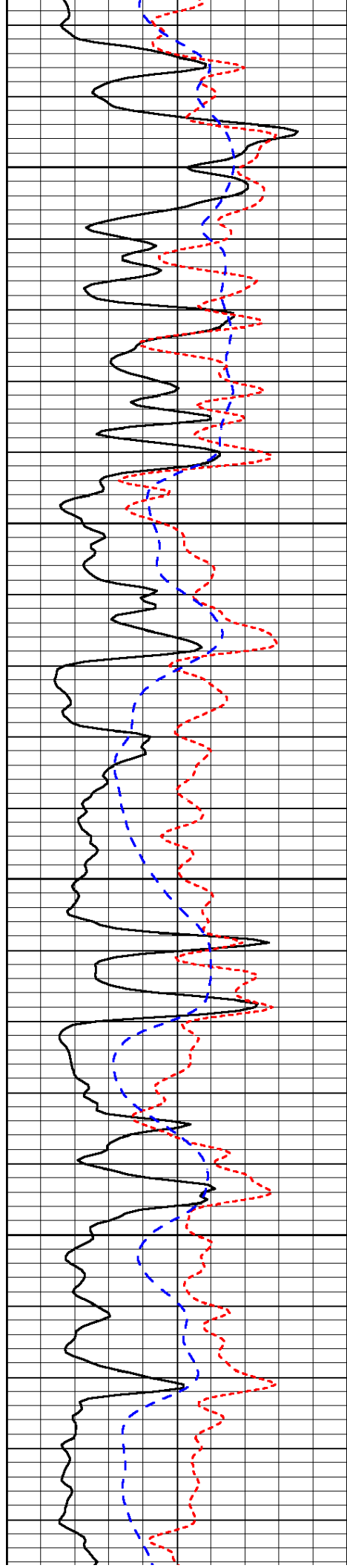
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 Presentation Format: dil
 Dataset Creation: Wed Jul 16 14:57:11 2014
 Charted by: Depth in Feet scaled 1:240





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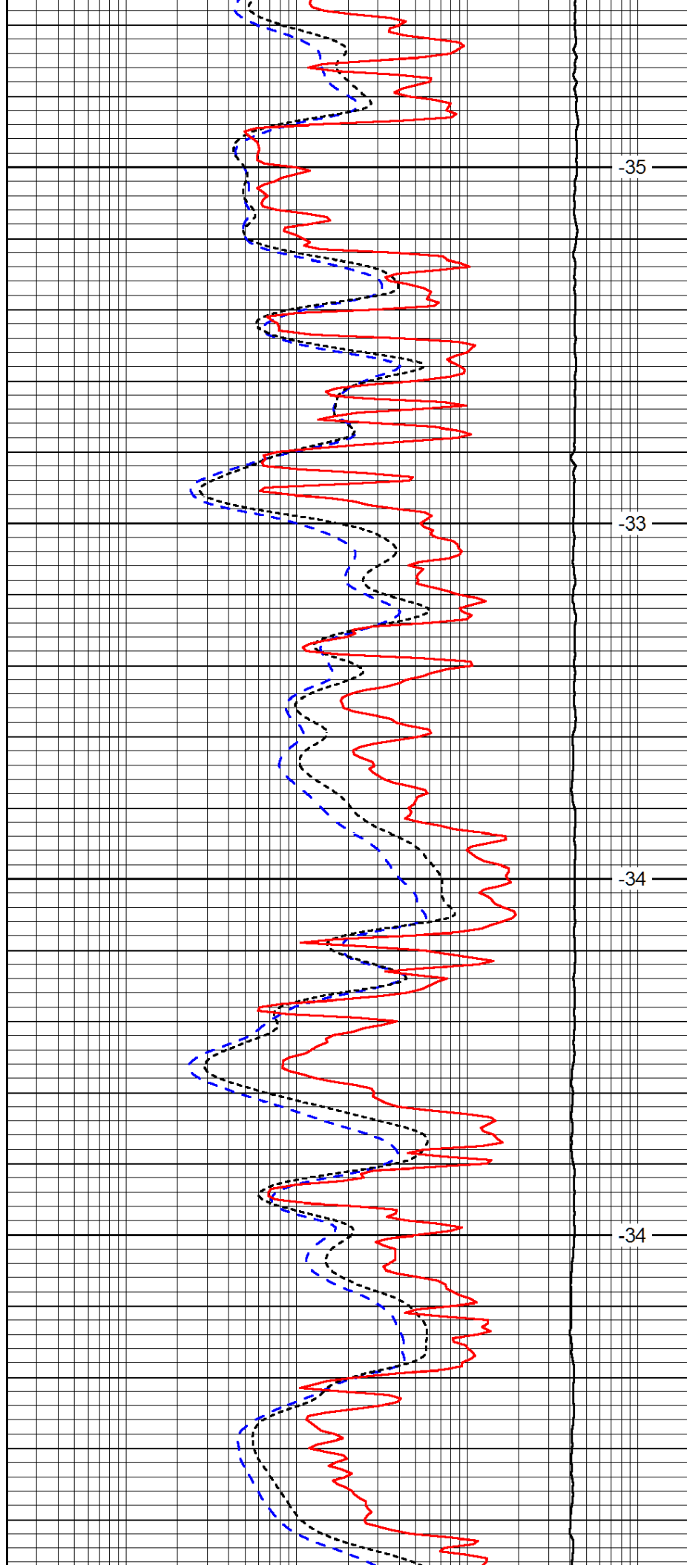


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4100

4150

4200

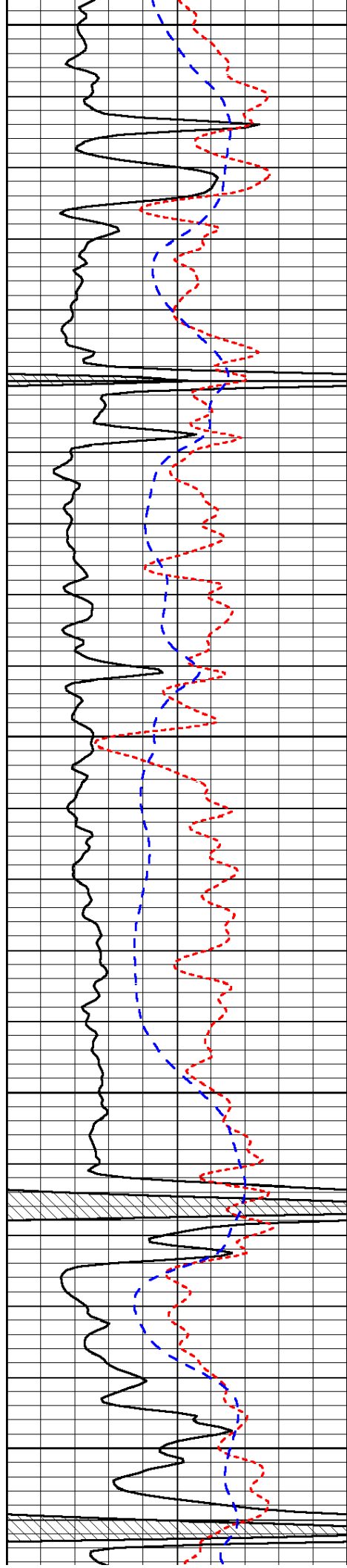


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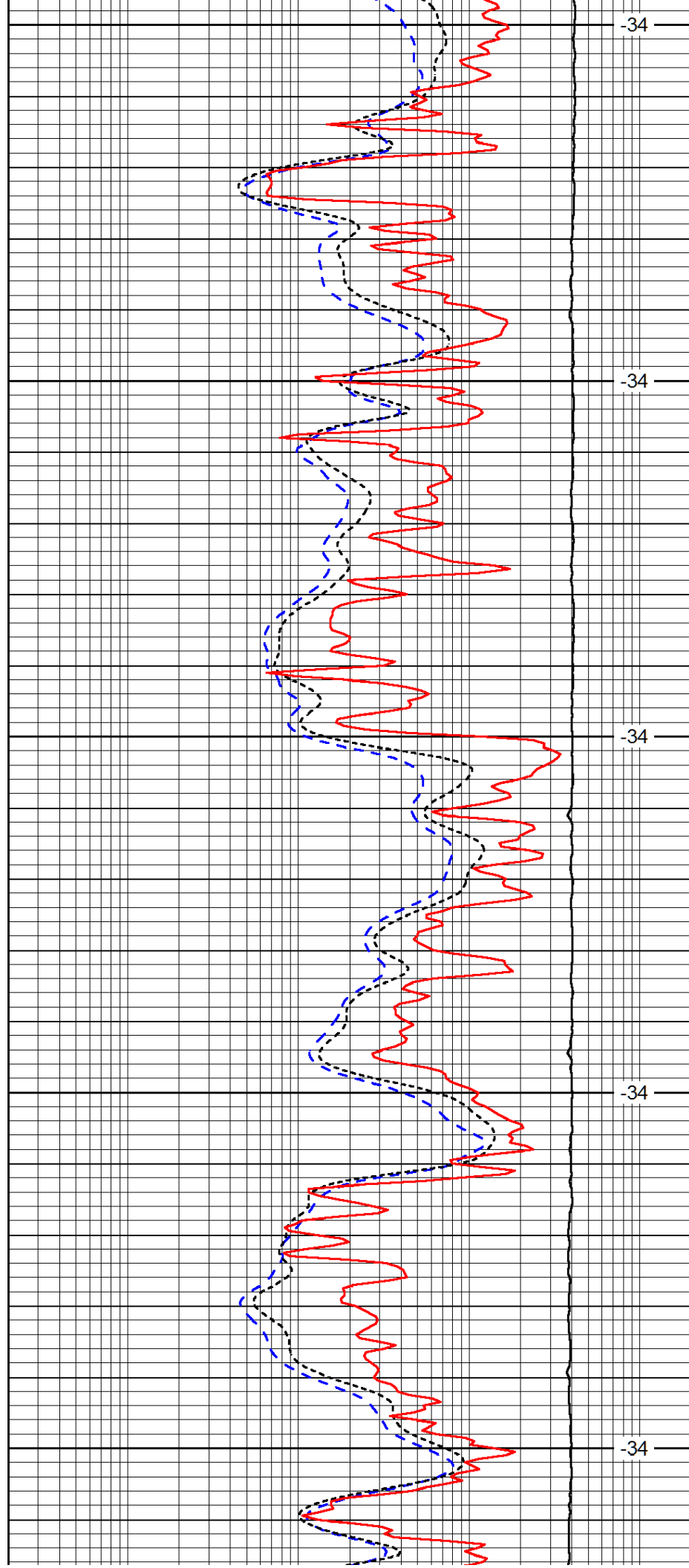
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4300

4350

4400

4450



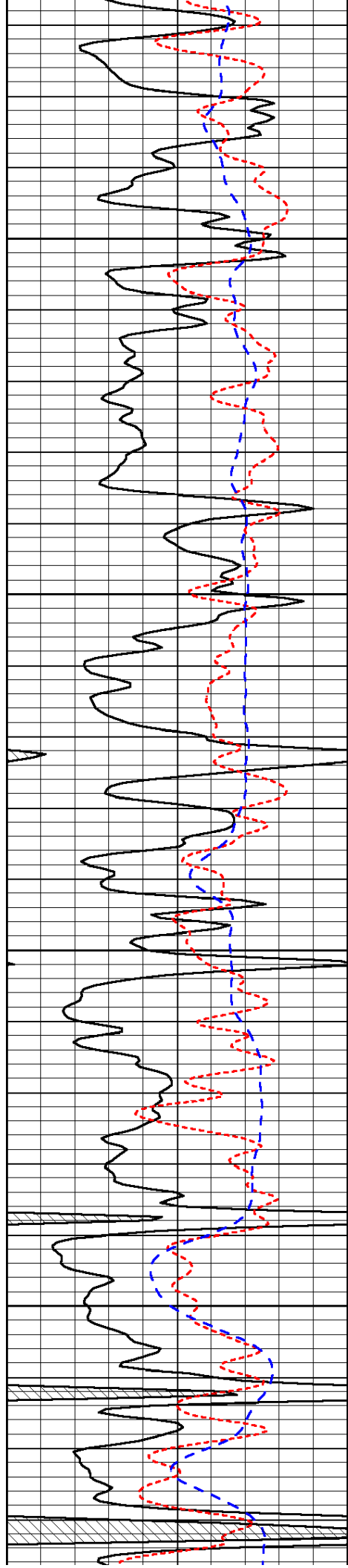
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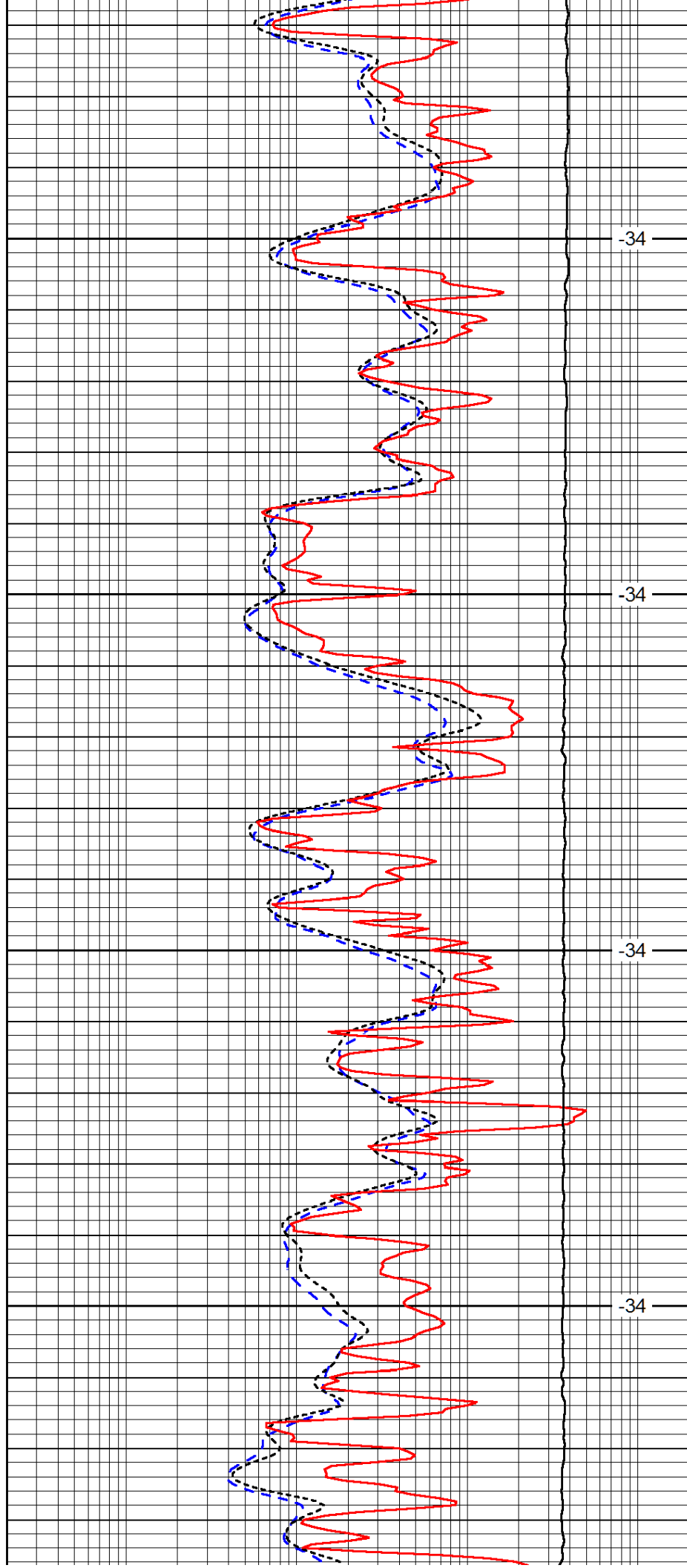


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4600

4650

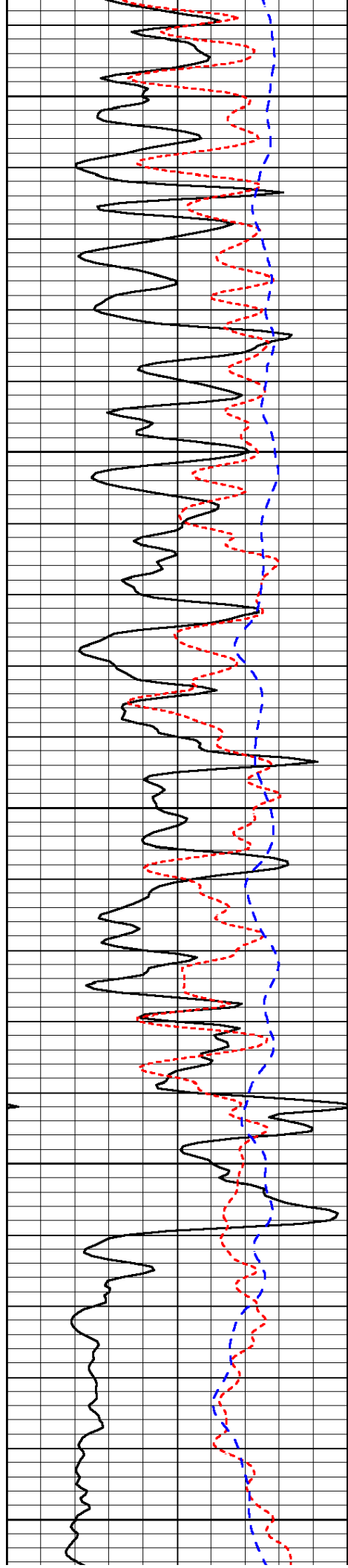


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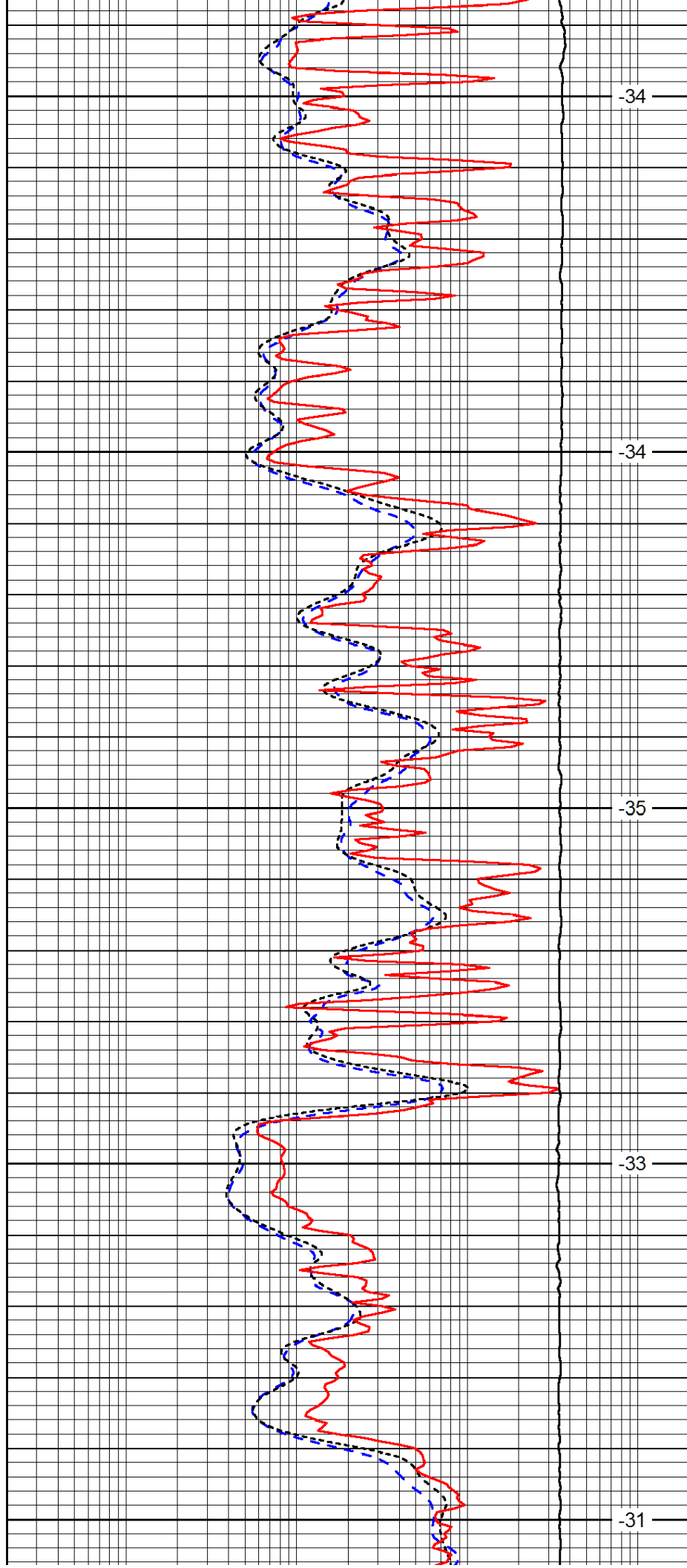
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4800

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4900



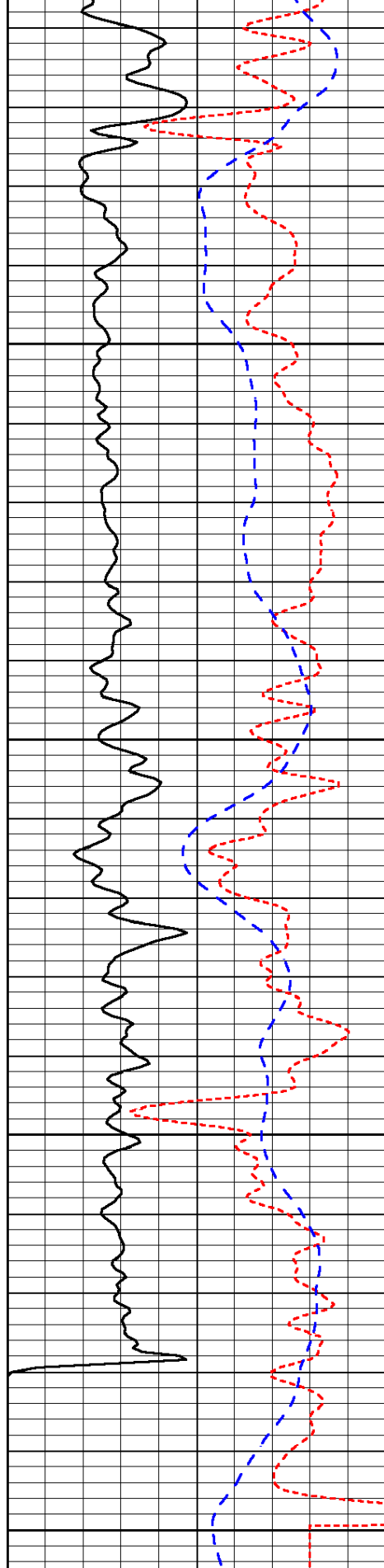
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-31



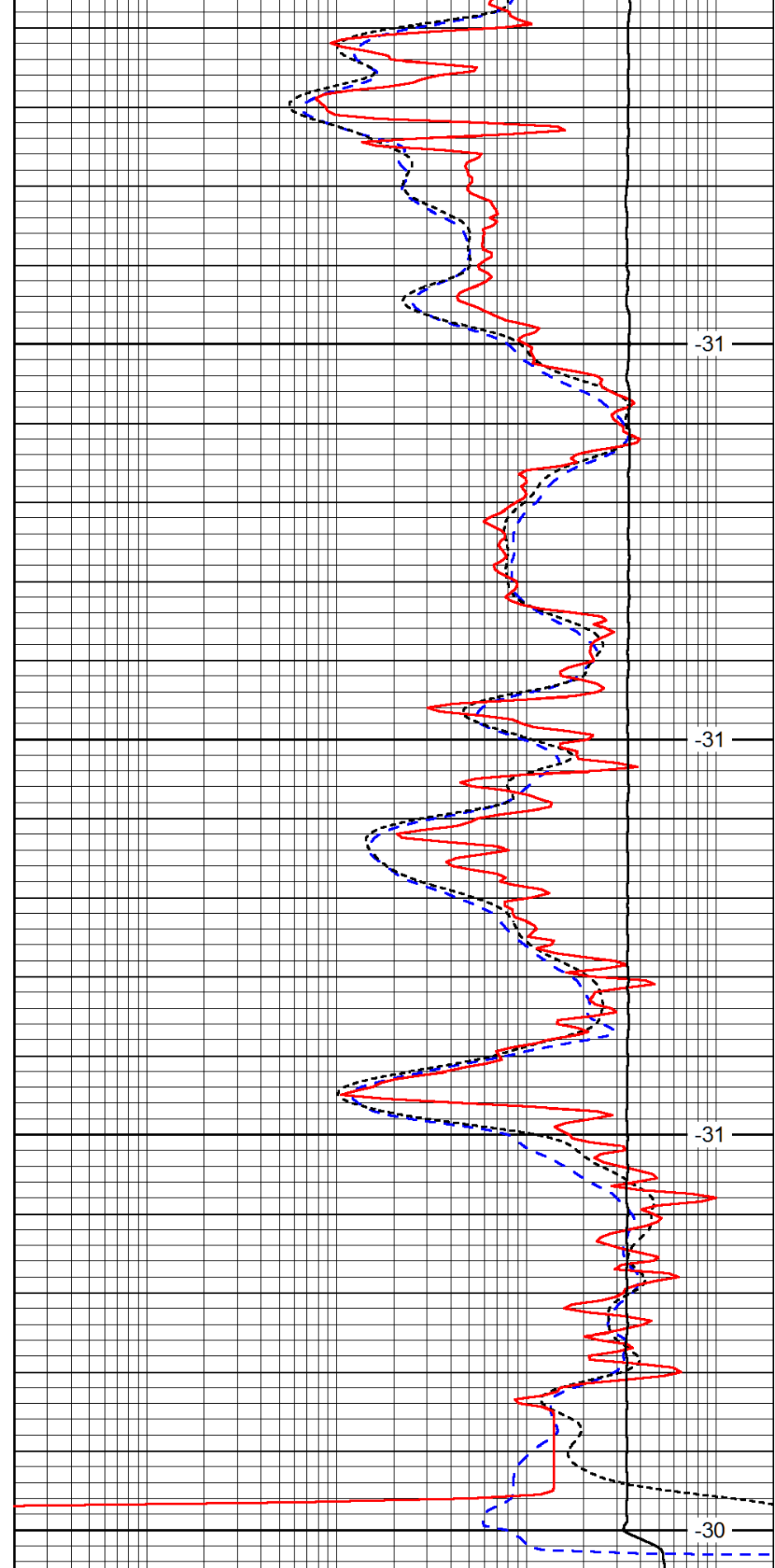
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-160	RXO/RT	40
-200	SP (mV)	0

4950

5000

5050

5100



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

