



Dual Induction Log

Pioneer Energy Services

API No.

15-055-22,302-00-00

Company American Warrior, Inc.

Well O'Brate-Finney #2-15

Field

County Finney

State

Kansas

Location

1994' FNL & 537' FWL

Sec: 15

Twp: 25S

Rge: 31W

Elevation

Permanent Datum Ground Level

Log Measured From Kelly Bushing

Drilling Measured From Kelly Bushing

Elevation

11 Ft. Above Perm. Datum

K.B. 2772

D.F. 2761

G.L. 2761

Date

5/31/2014

Run Number

One

Depth Driller

5000

Depth Logger

4998

Bottom Logged Interval

4997

Top Log Interval

1700

Casing Driller

8.625 @ 1720

Casing Logger

1701

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2.800

Density / Viscosity

9.3 50

pH / Fluid Loss

11.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.75 @ 70

Rmf @ Meas. Temp

.56 @ 70

Rmc @ Meas. Temp

1.01 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

.42 @ 126

Operating Rig Time

4 Hours

Max Rec. Temp. F

126

Equipment Number

17

Location

Hays

Recorded By

C. Desaire

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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www.pioneerres.com
785 625 3858

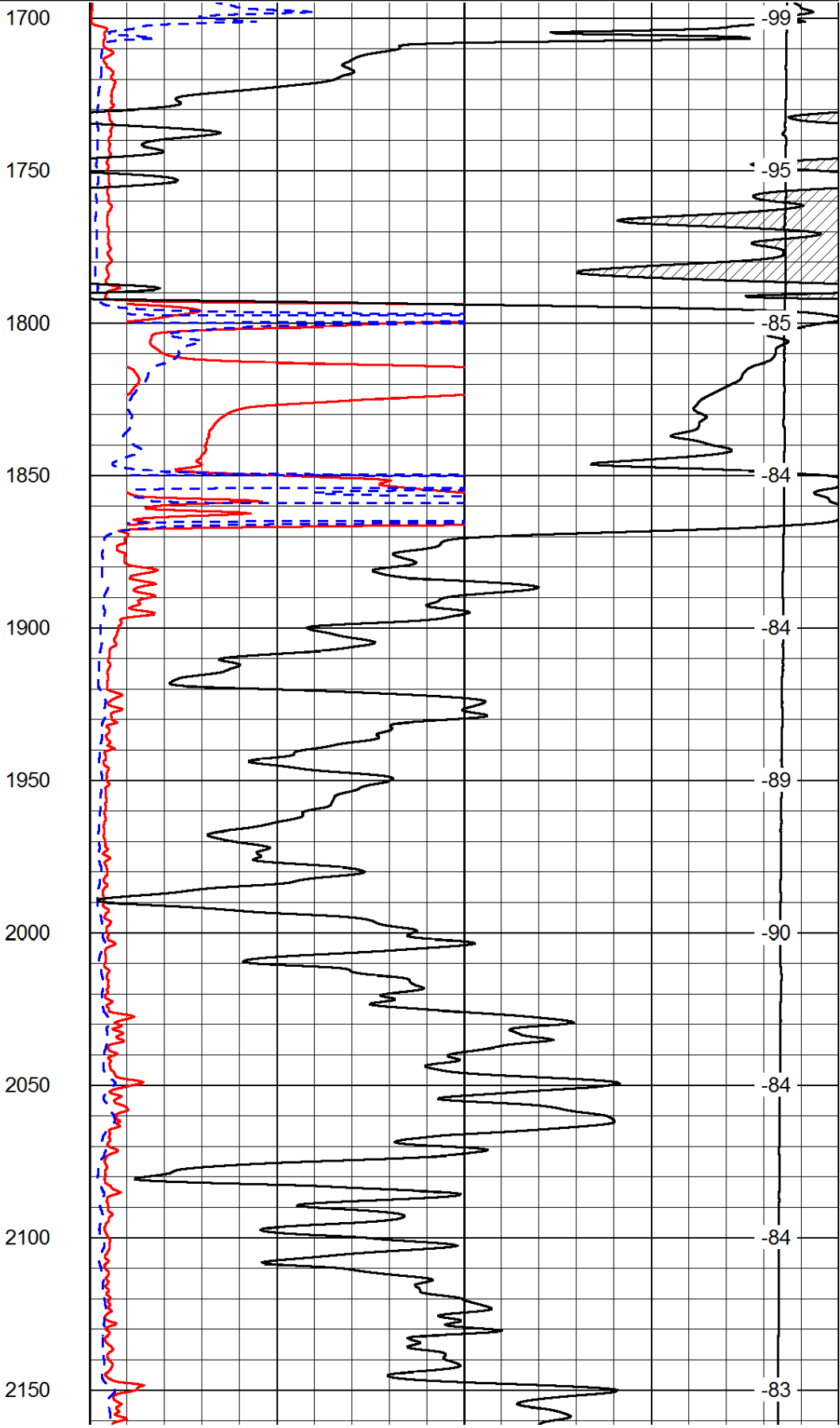
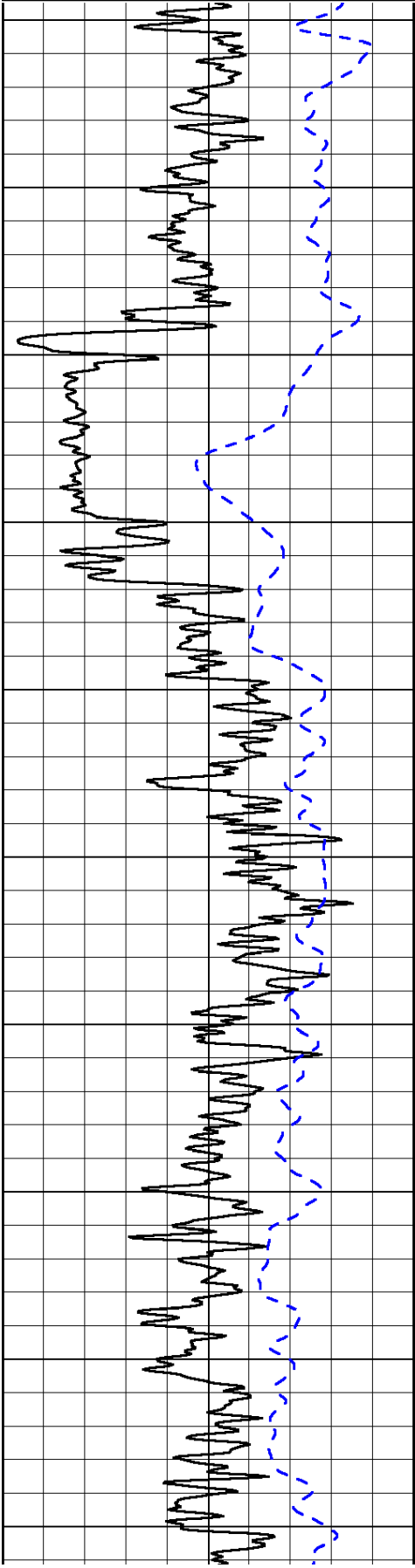
Pierceville KS, 1 S to Beach Rd,
2 W, 1/2 N, E Into

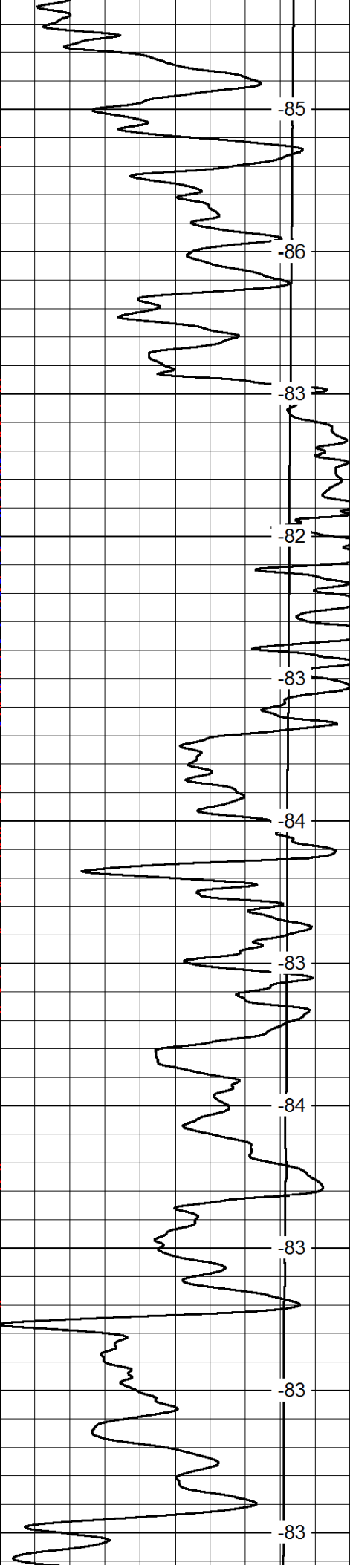
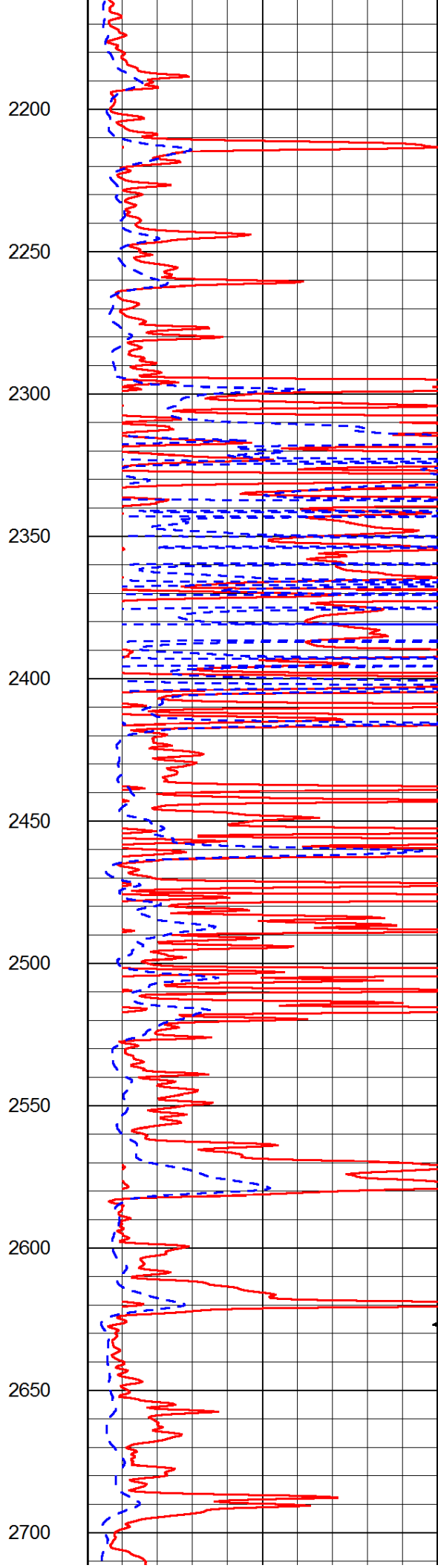
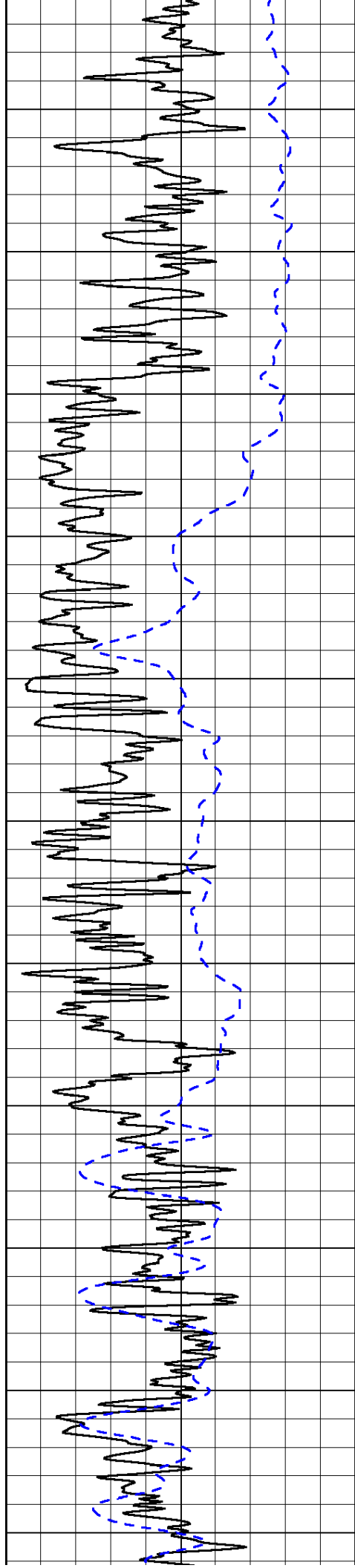
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Dataset Pathname: dil\awstk
Presentation Format: dil2in
Dataset Creation: Sat May 31 21:37:06 2014
Charted by: Depth in Feet scaled 1:600

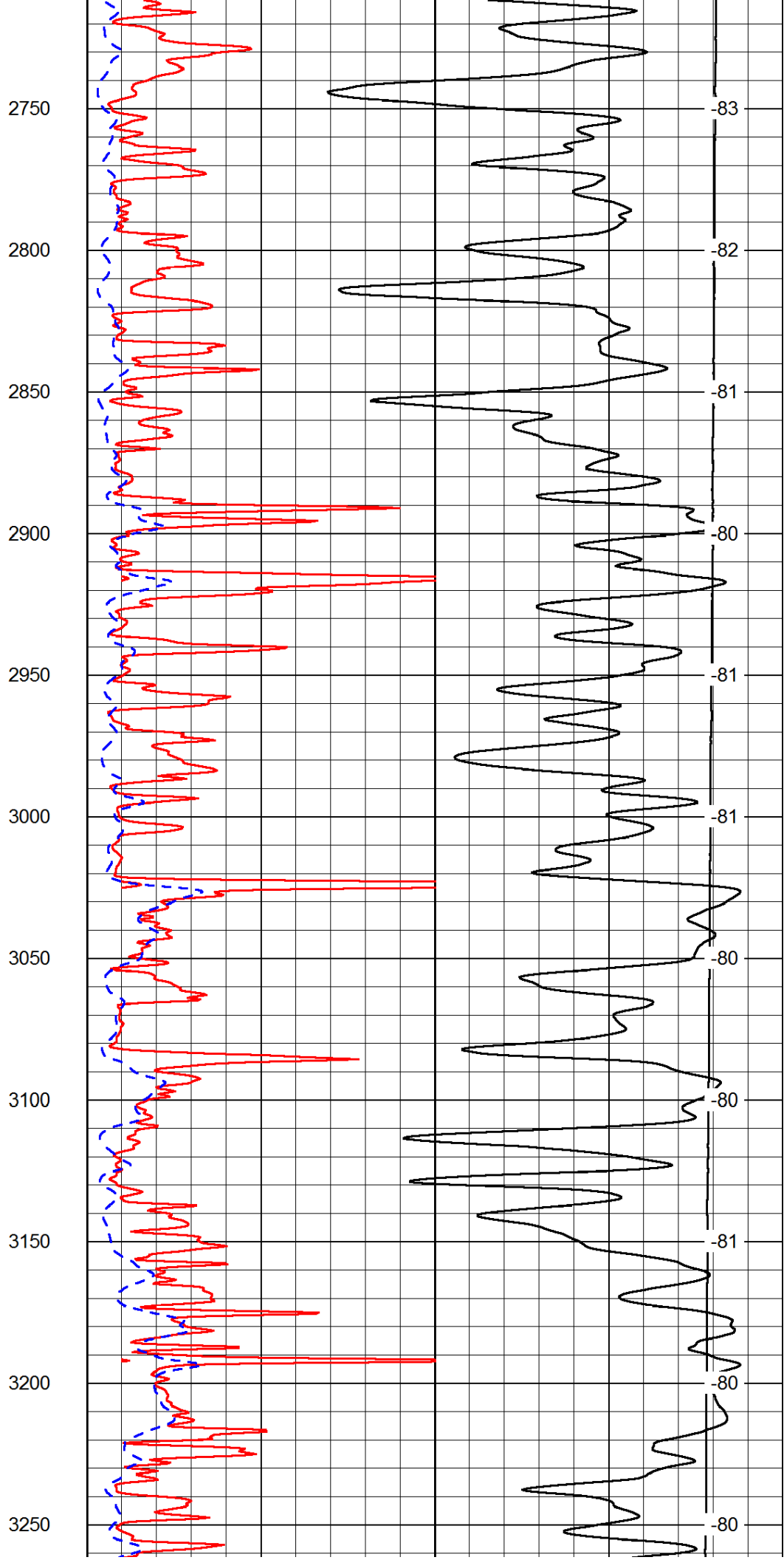
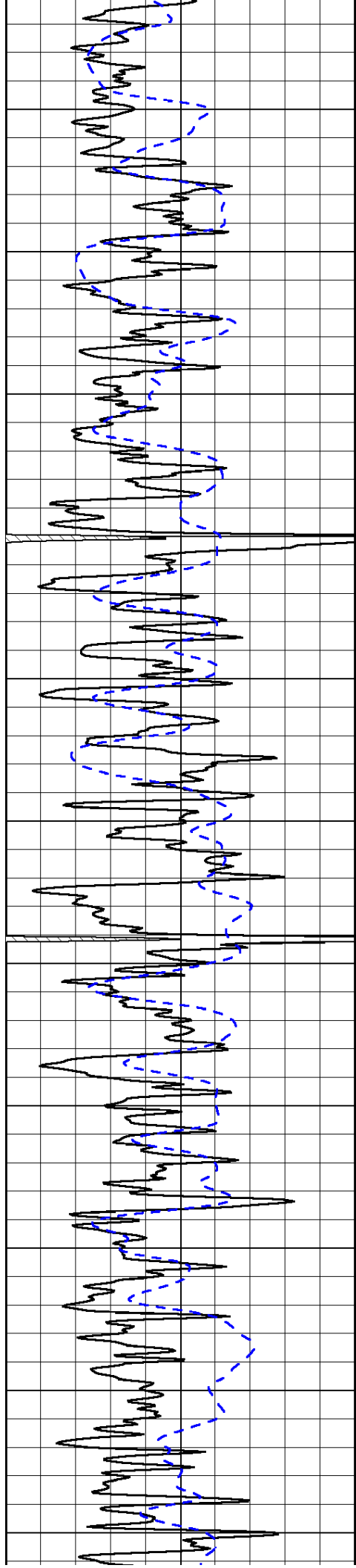
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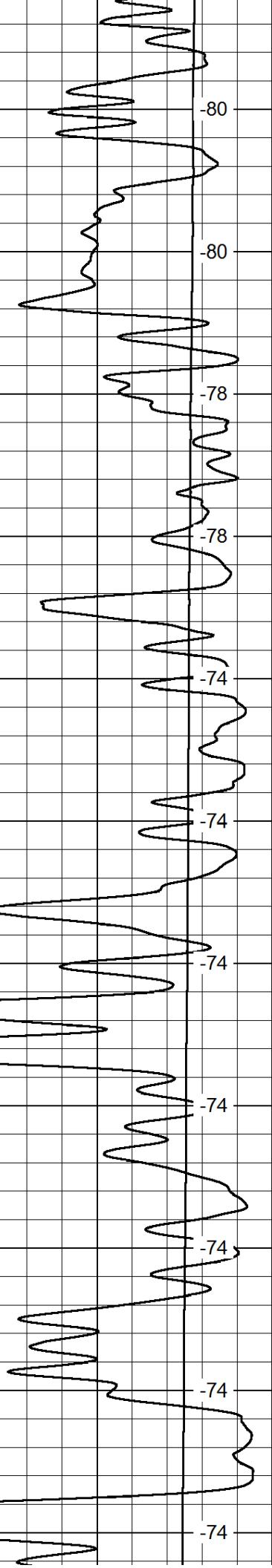
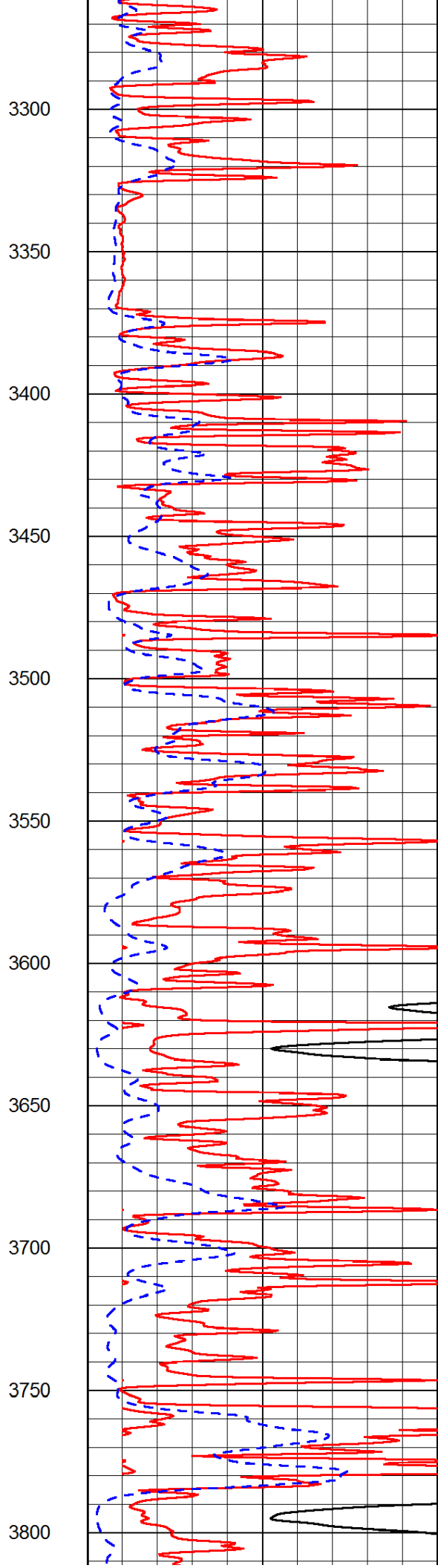
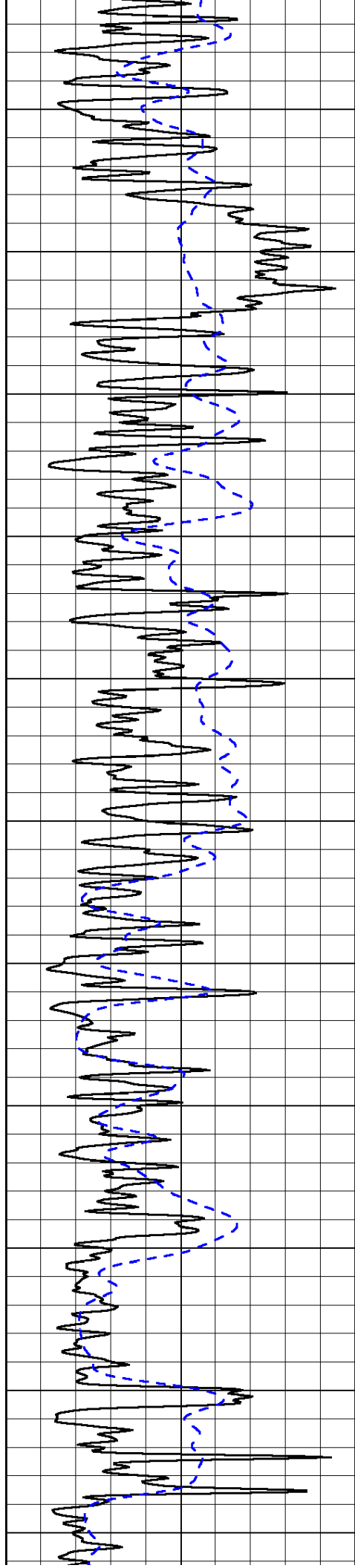
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-200	SP (mV)	0

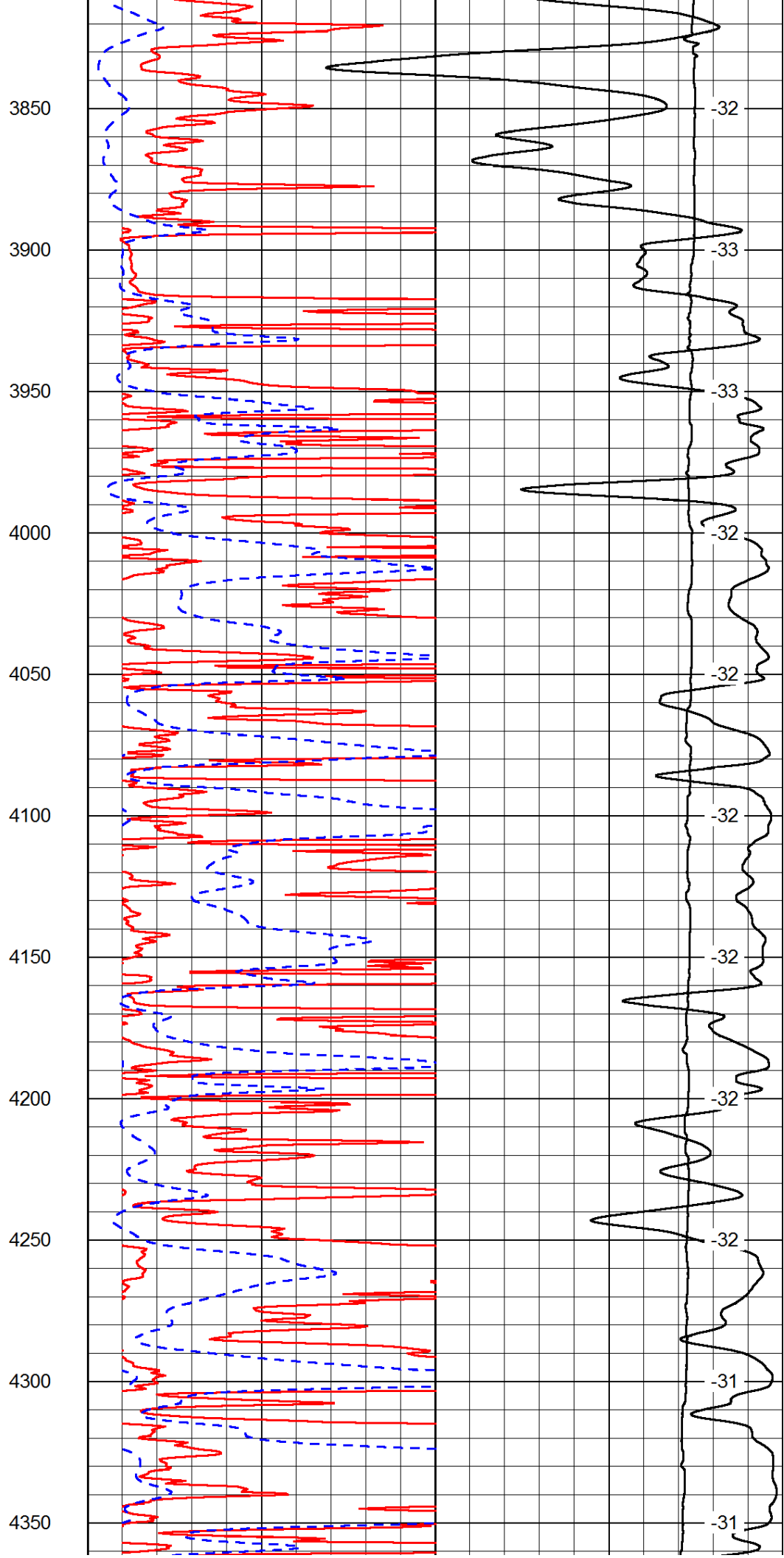
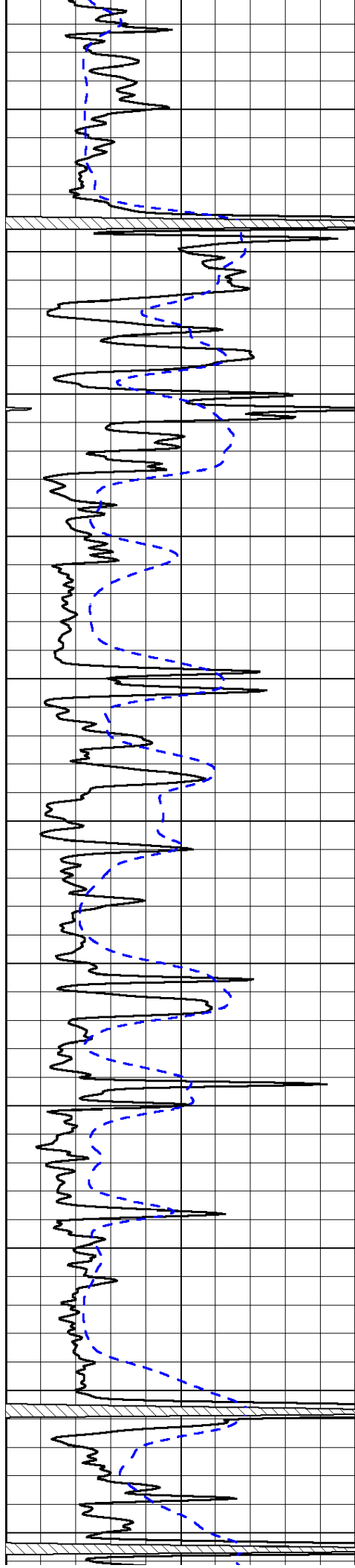
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0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

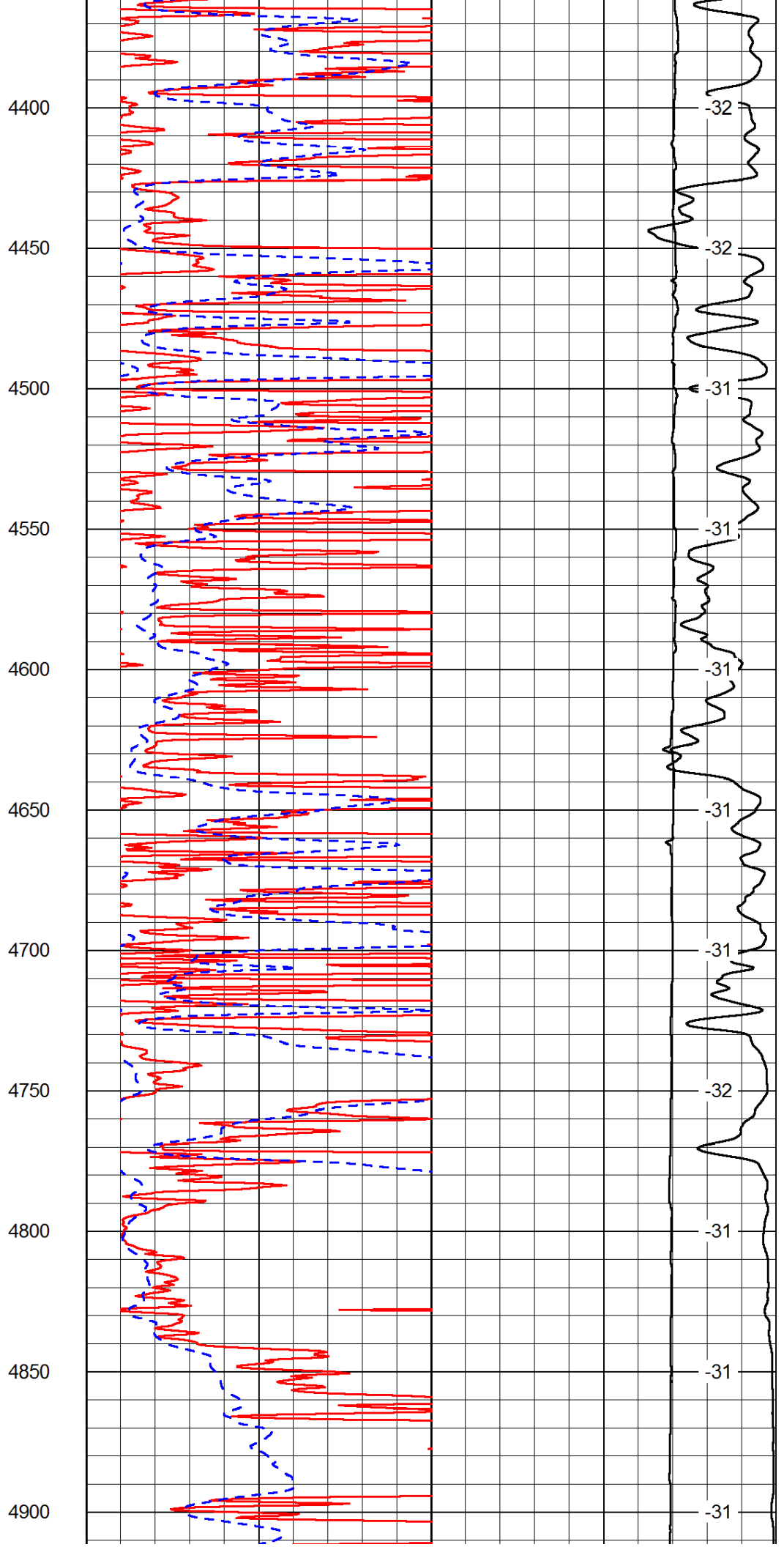
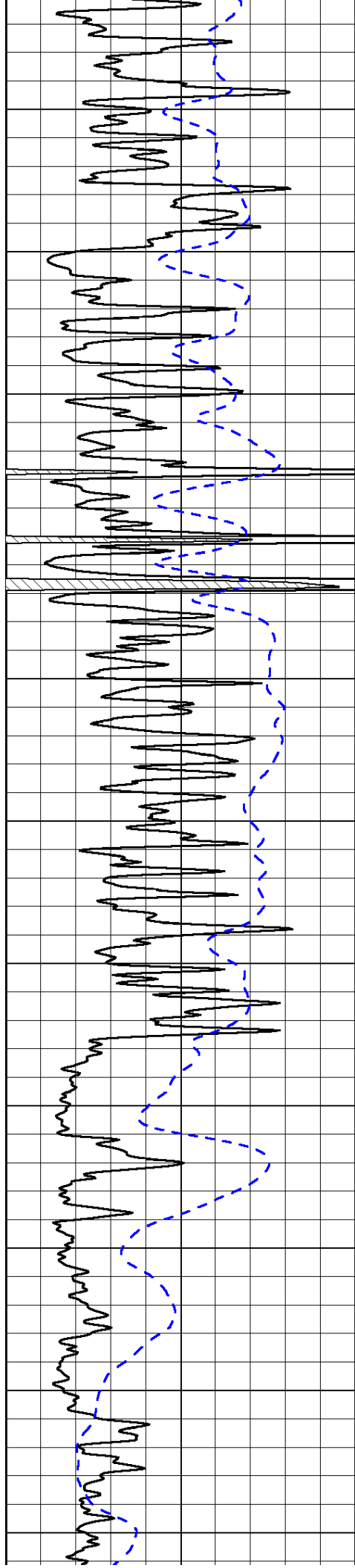


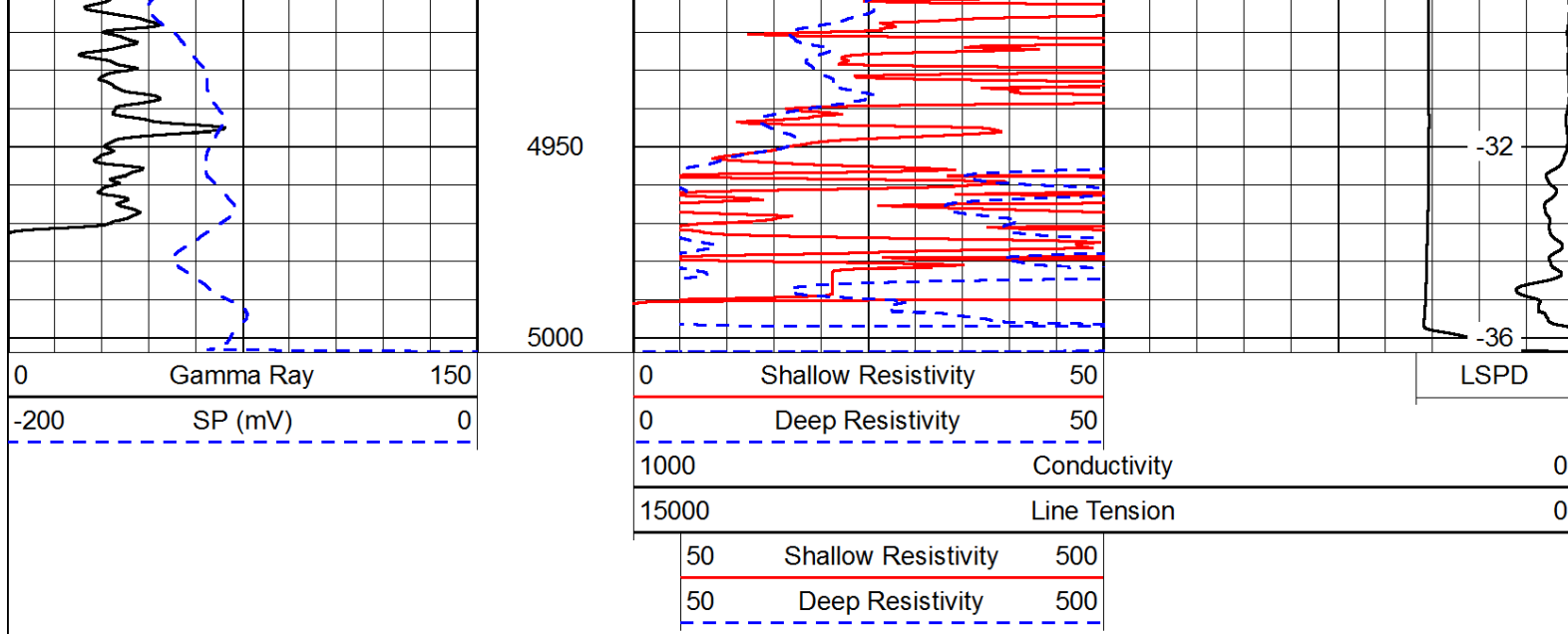




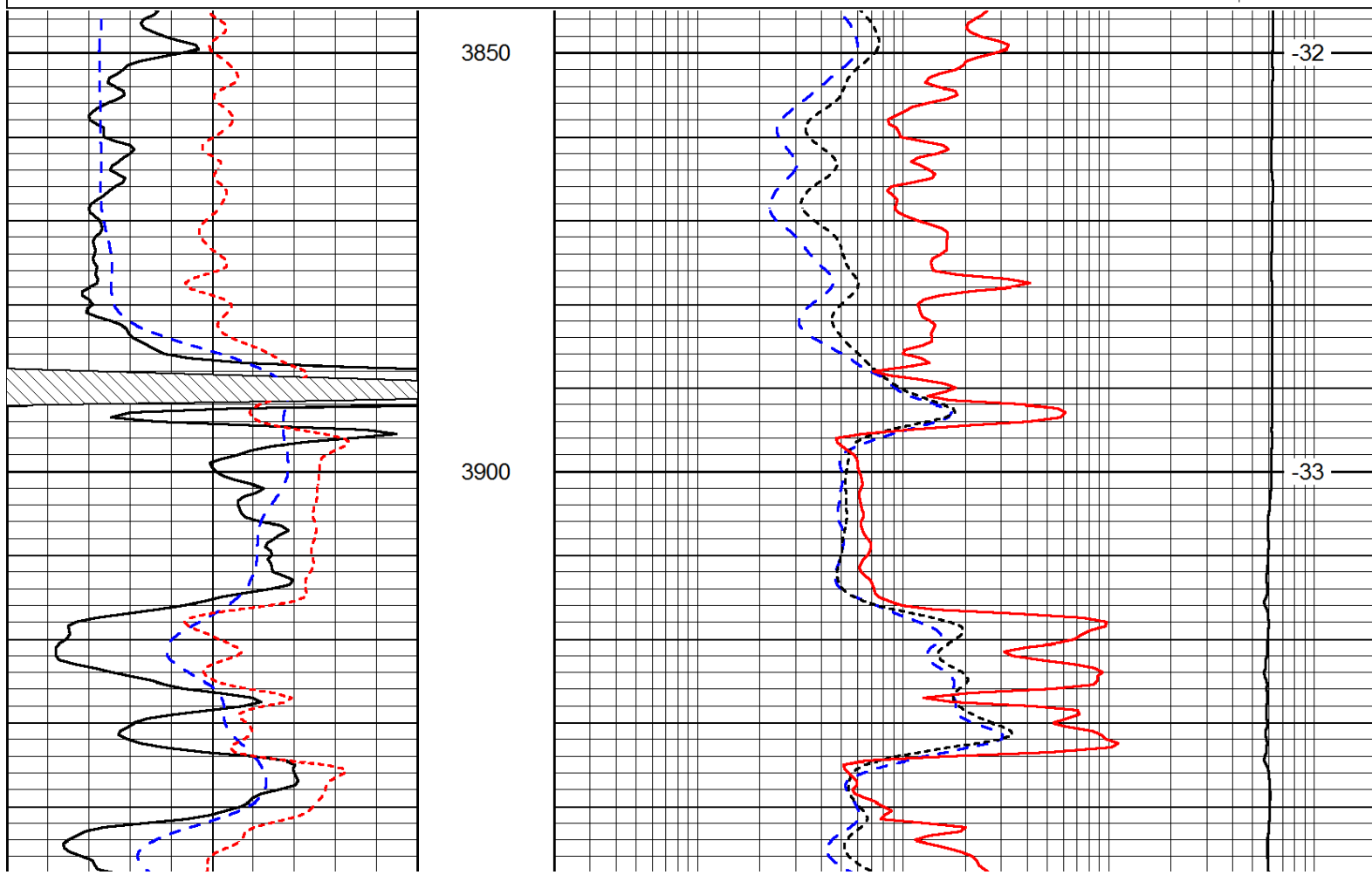
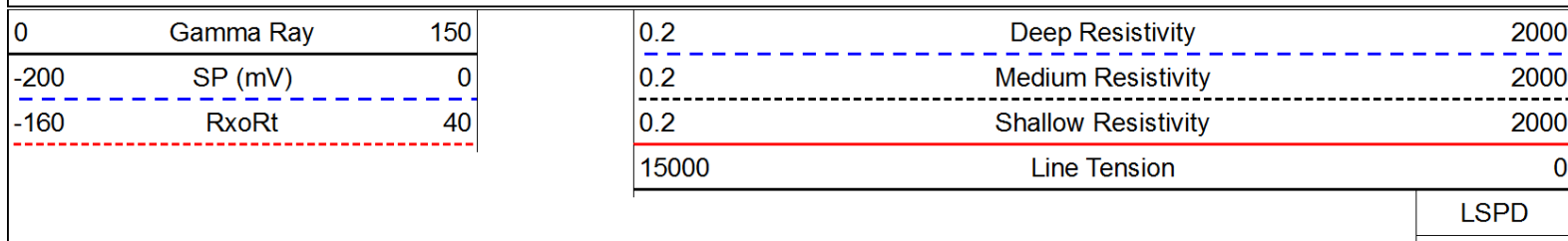


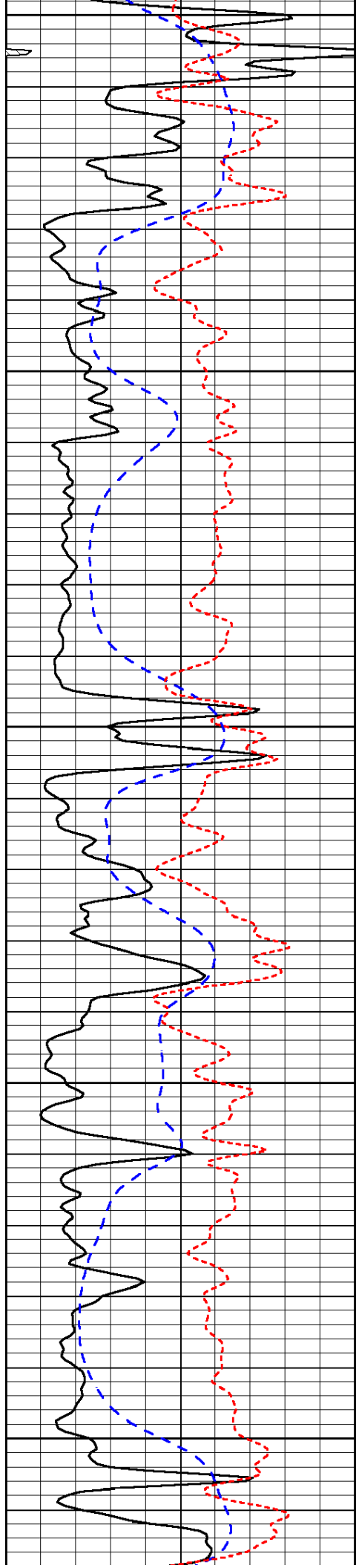






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Presentation Format: dil
Dataset Creation: Sat May 31 21:37:06 2014
Charted by: Depth in Feet scaled 1:240





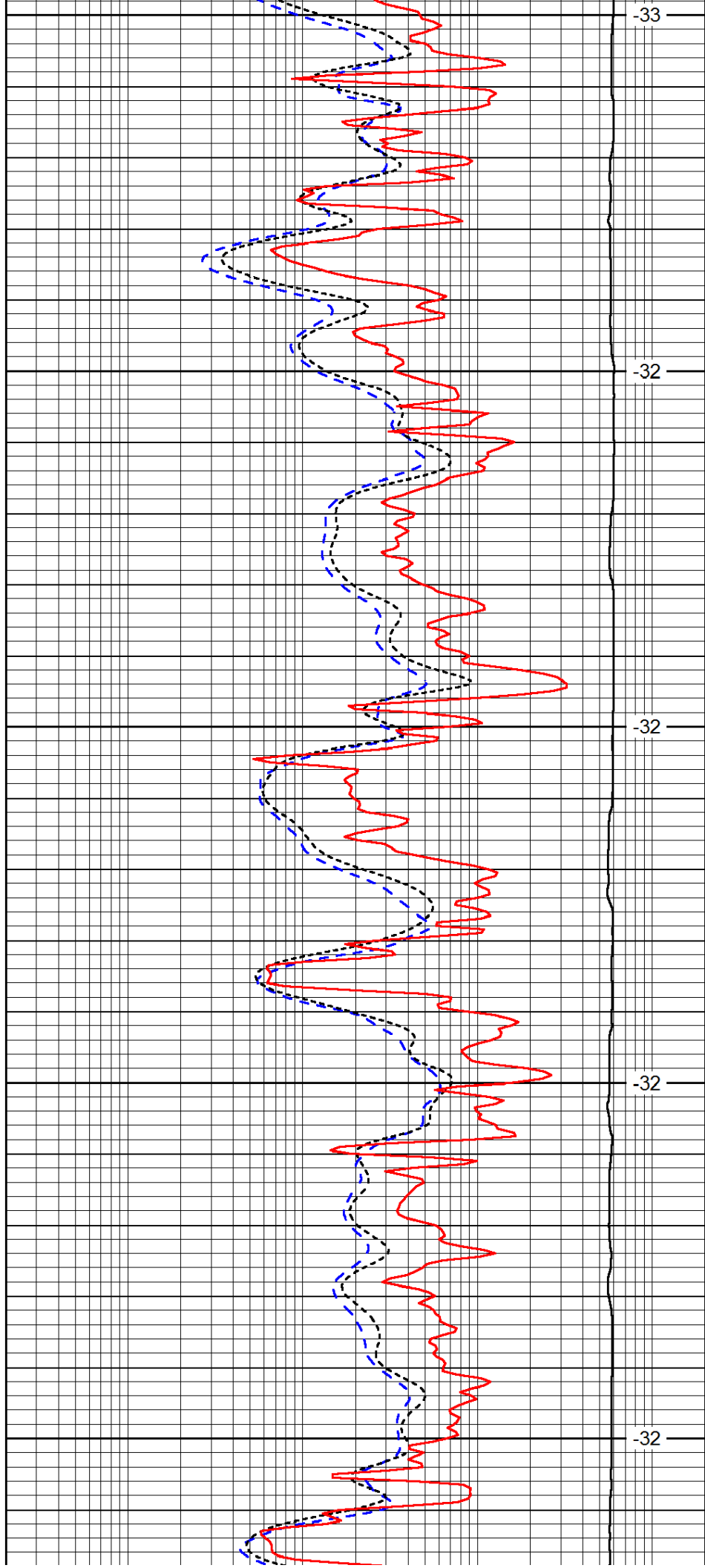
3950

4000

4050

4100

4150



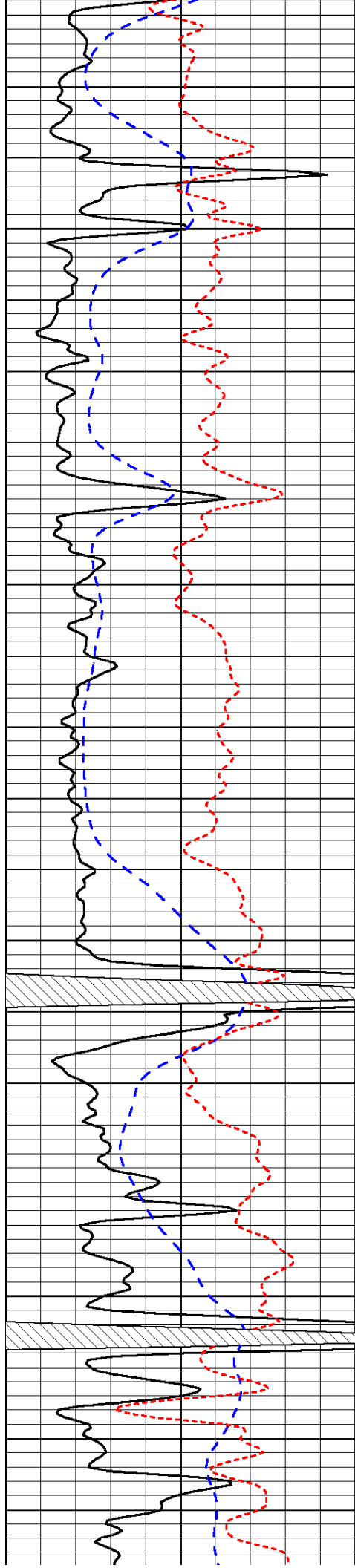
-33

-32

-32

-32

-32

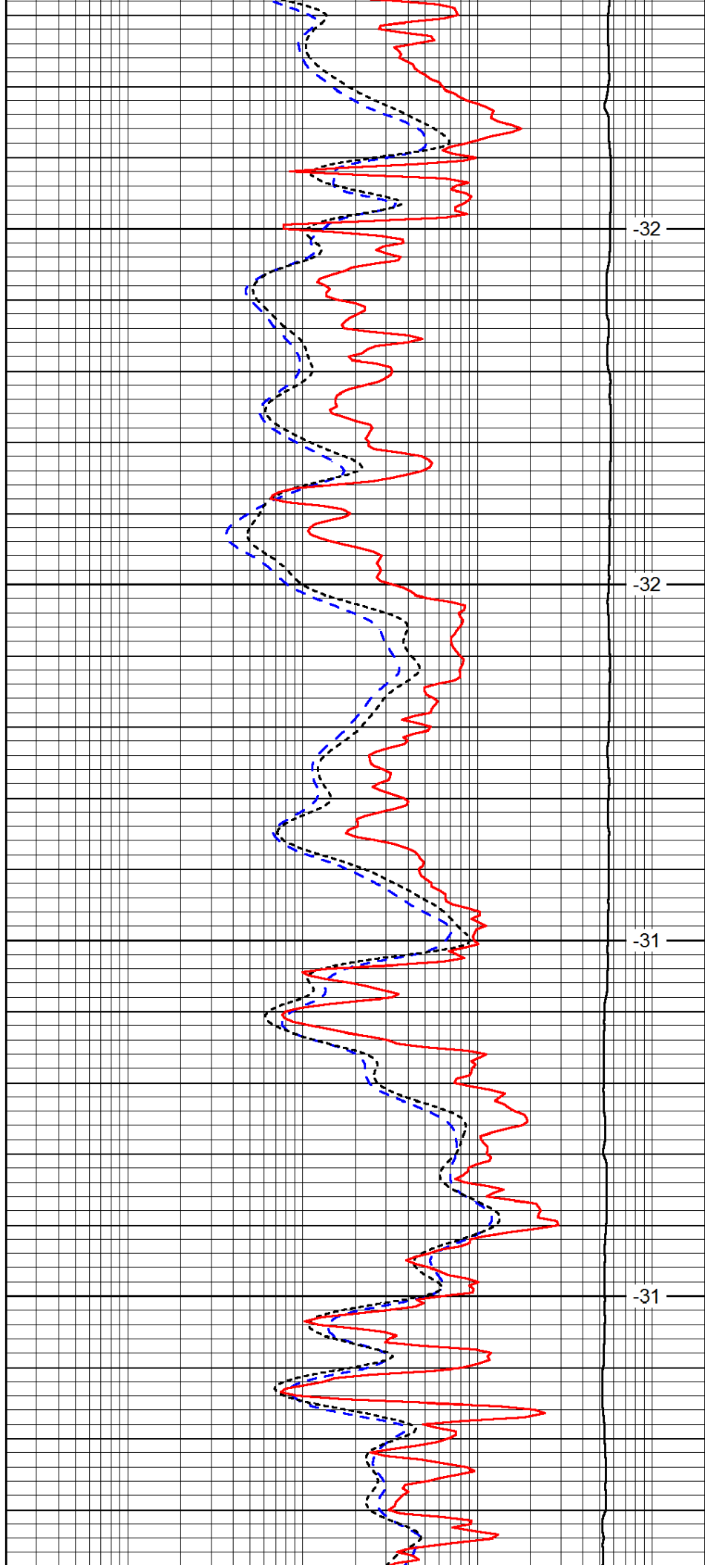


4200

4250

4300

4350

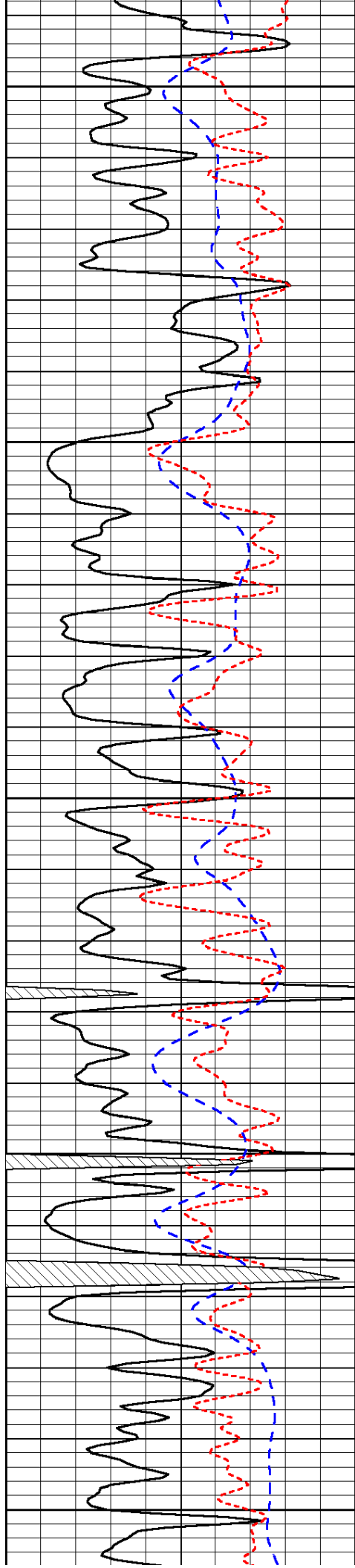


-32

-32

-31

-31



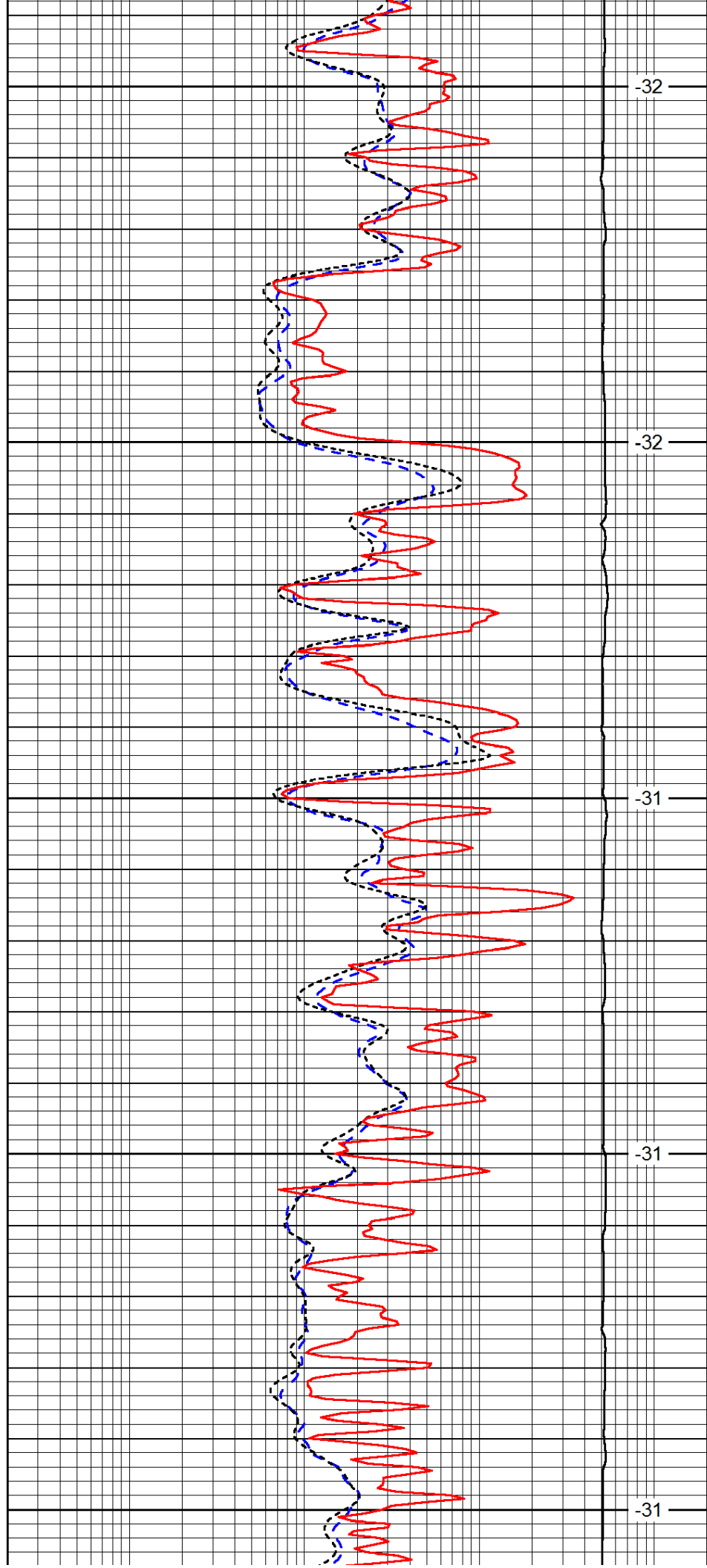
4400

4450

4500

4550

4600



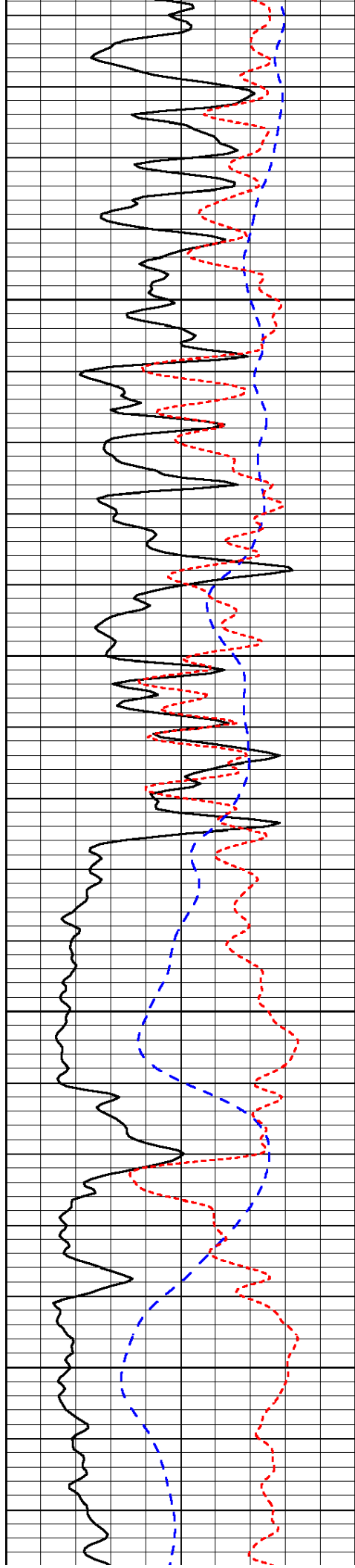
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-32

-31

-31

-31

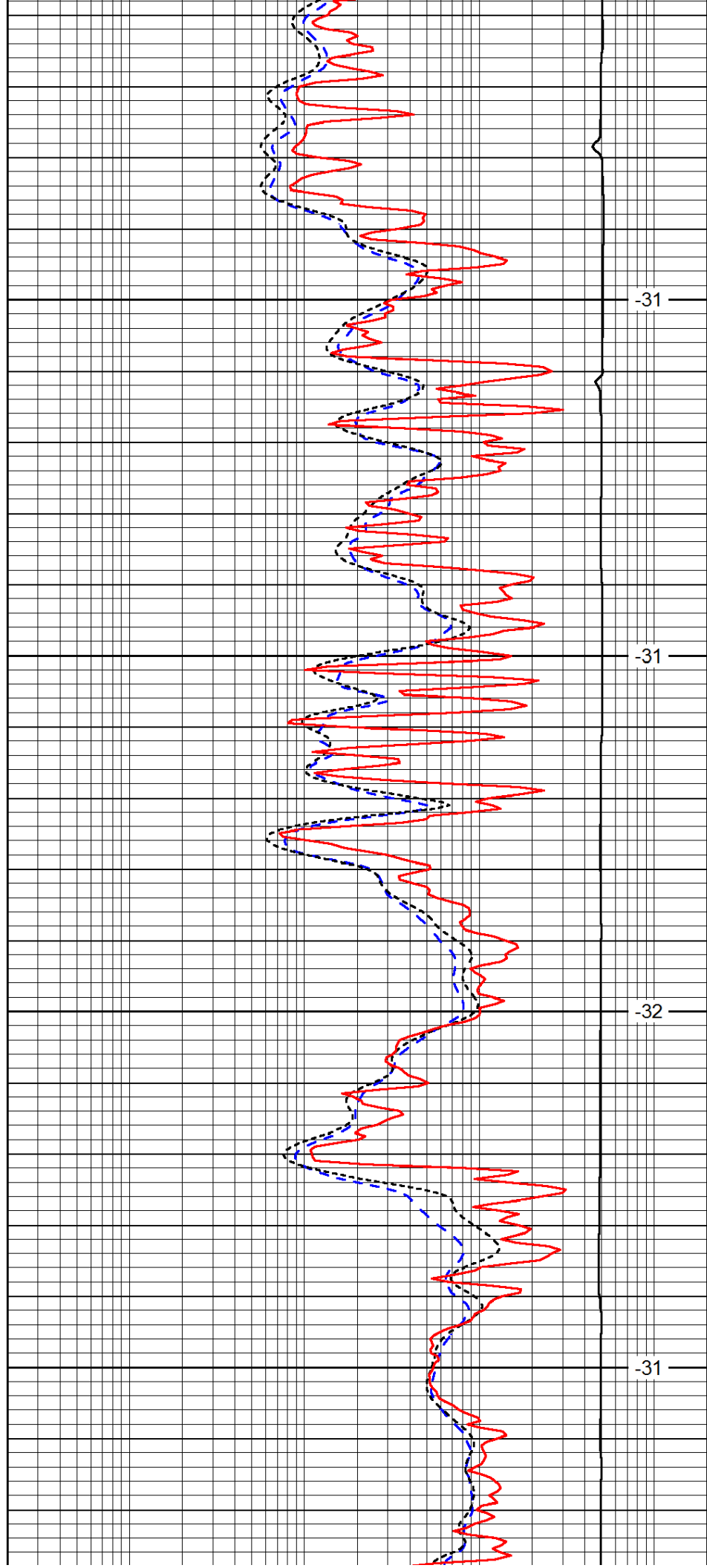


4650

4700

4750

4800

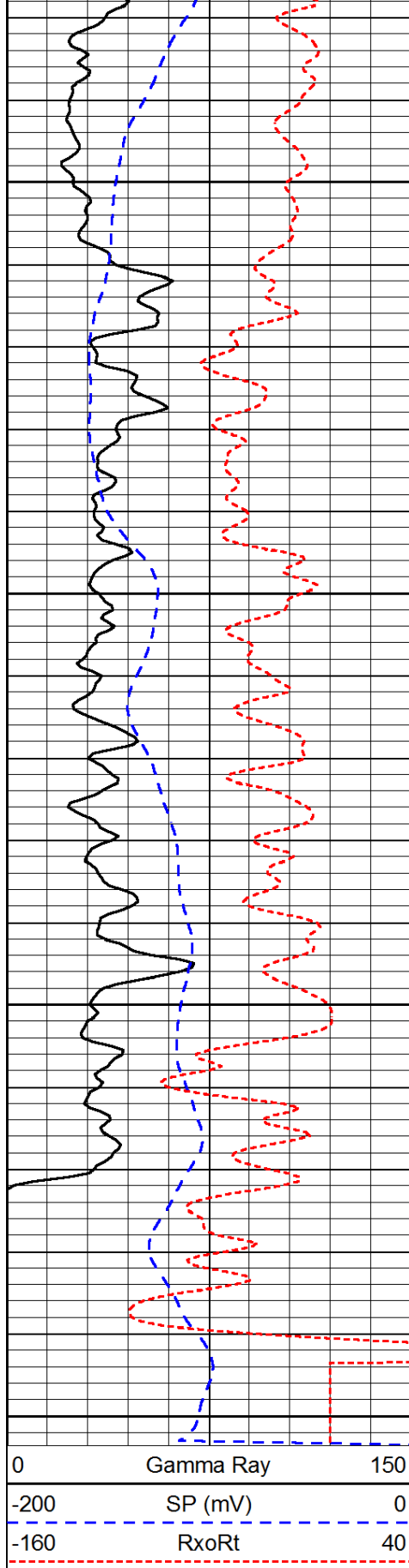


-31

-31

-32

-31



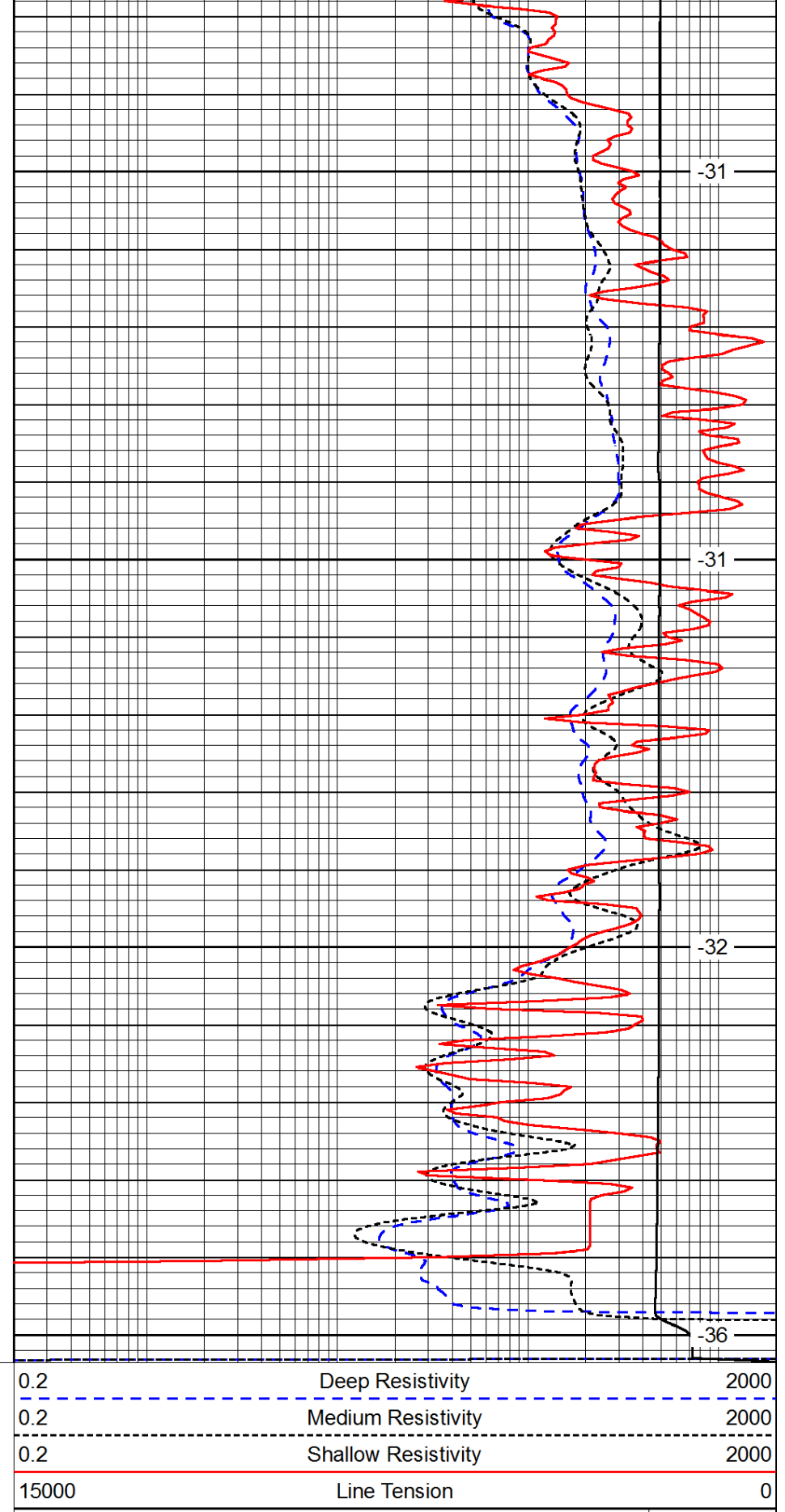
4850

4900

4950

5000

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



-31

-31

-32

-36

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

LSPD