



Pioneer Energy Services

Dual Induction Log

API No.

15-171-21,119-00-00

Company Val Energy, Inc.

Well CJK NO. 1-17

Field Star Trek

County Scott

State

Kansas

Location

1,675' FNL & 952' FWL

Sec: 17

Twp: 17S

Rge: 33W

Elevation

Permanent Datum Ground Level Elevation 3055
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3064
D.F.
G.L. 3055

Date

12/19/2014

Run Number

One

Depth Driller

4800

Depth Logger

4804

Bottom Logged Interval

4803

Top Log Interval

250

Casing Driller

8,625 @ 246

Casing Logger

243

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9000

Density / Viscosity

9.4 57

pH / Fluid Loss

9.5 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

.60 @ 60

Rmf @ Meas. Temp

.45 @ 60

Rmc @ Meas. Temp

.81 @ 60

Source of Rmf / Rmc

Charts

Rm @ BHT

.29 @ 124

Operating Rig Time

4 Hours

Max Rec. Temp. F

124

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Harley Sayles

<<< 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

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(785) 625-3858

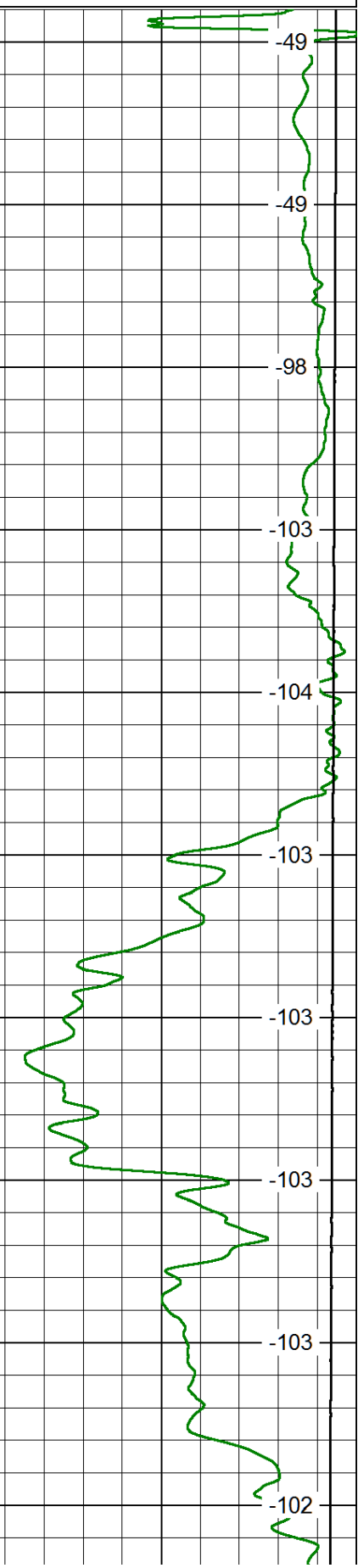
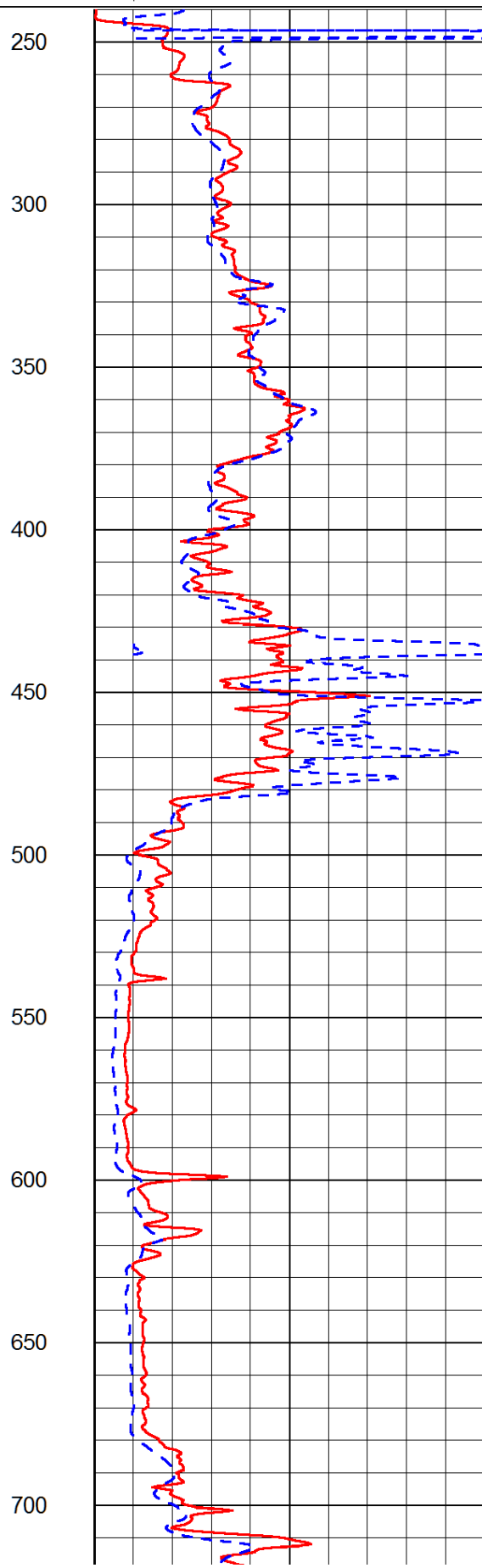
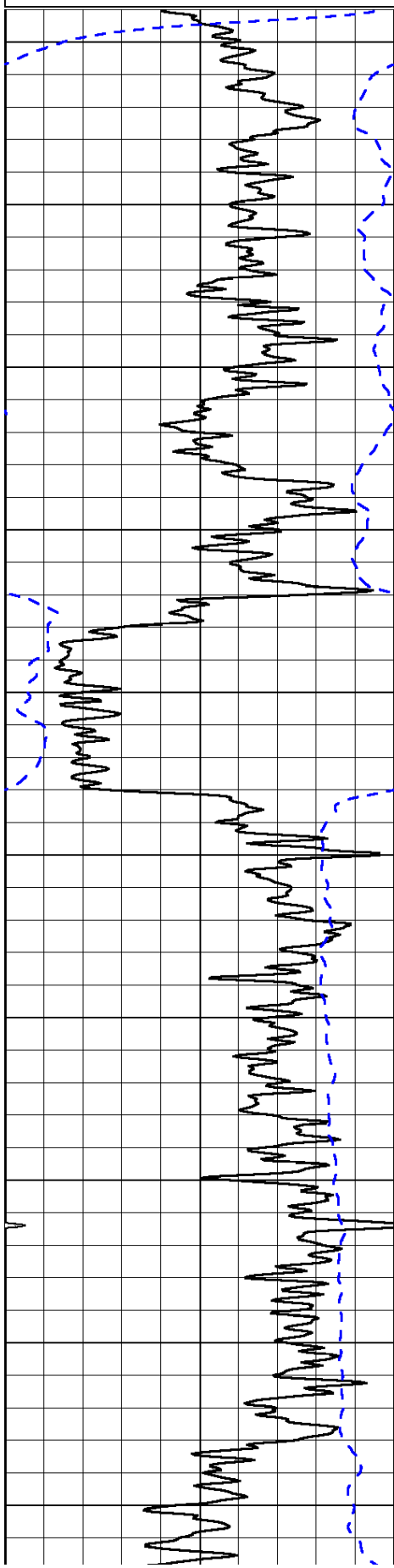
Oakley, South to Highway 83 and Highway 4 Intersection, 5 West, 1 1/2 South Into

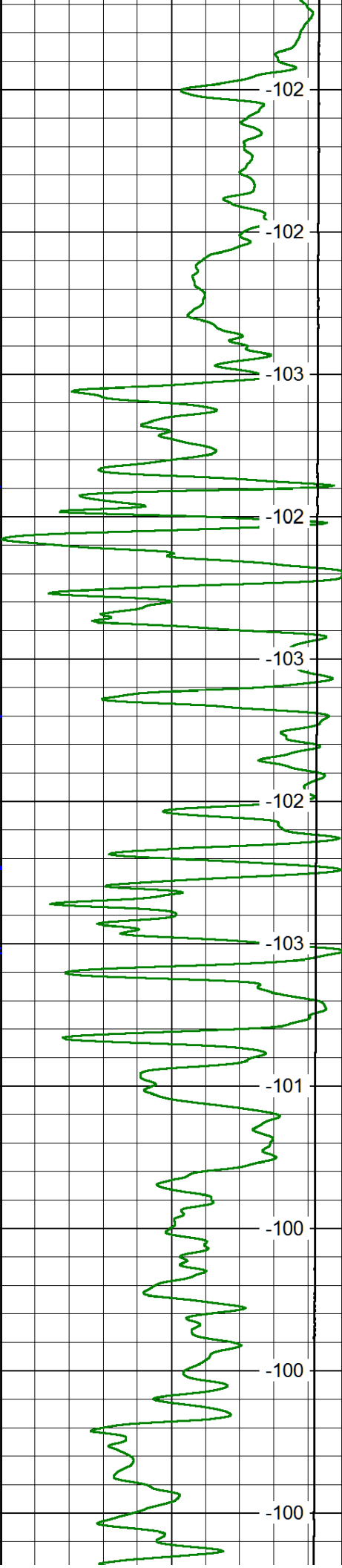
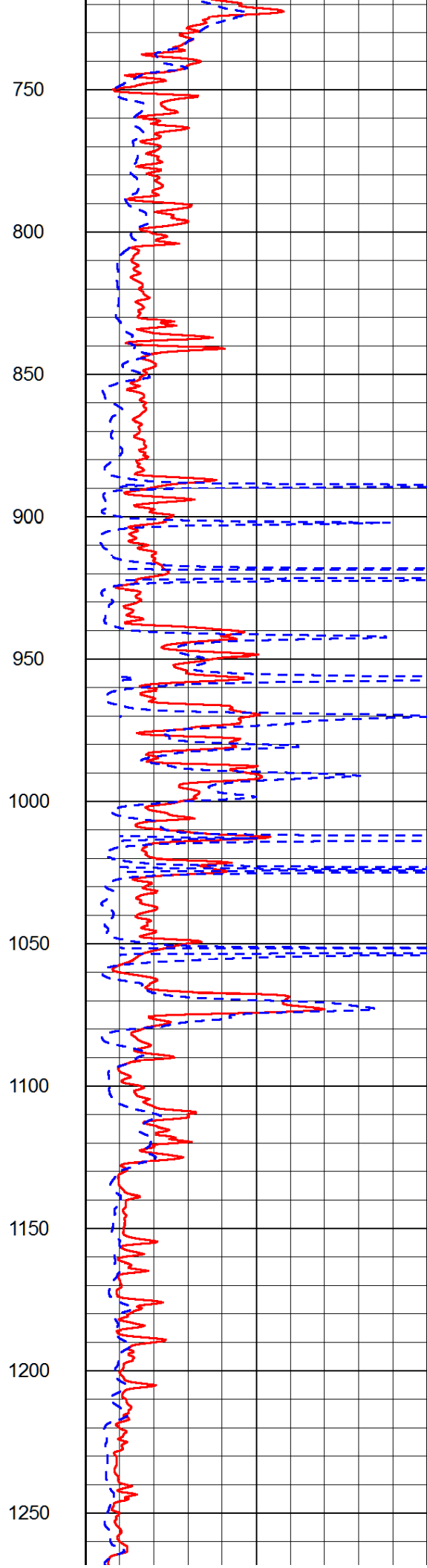
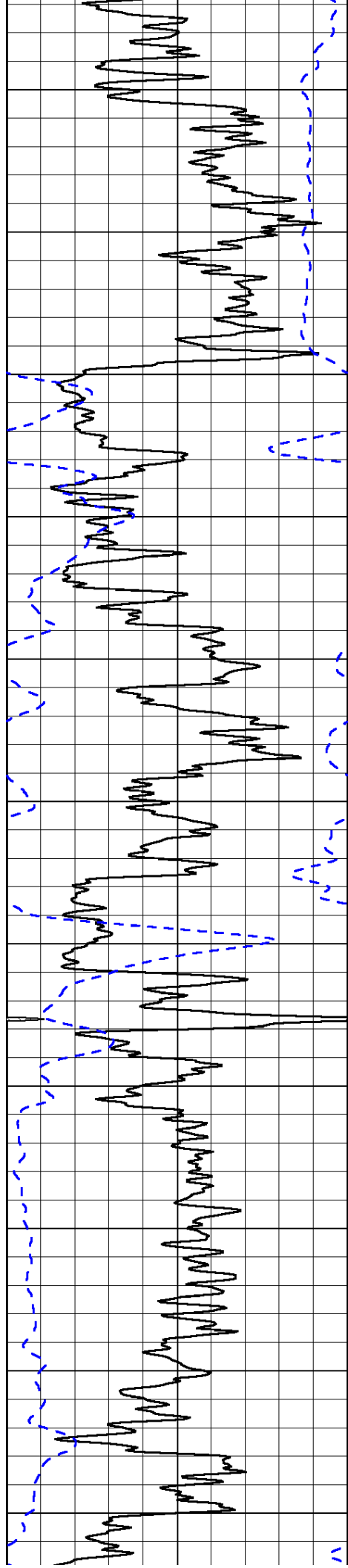
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Dataset Creation: Fri Dec 19 19:27:50 2014
Charted by: Depth in Feet scaled 1:600

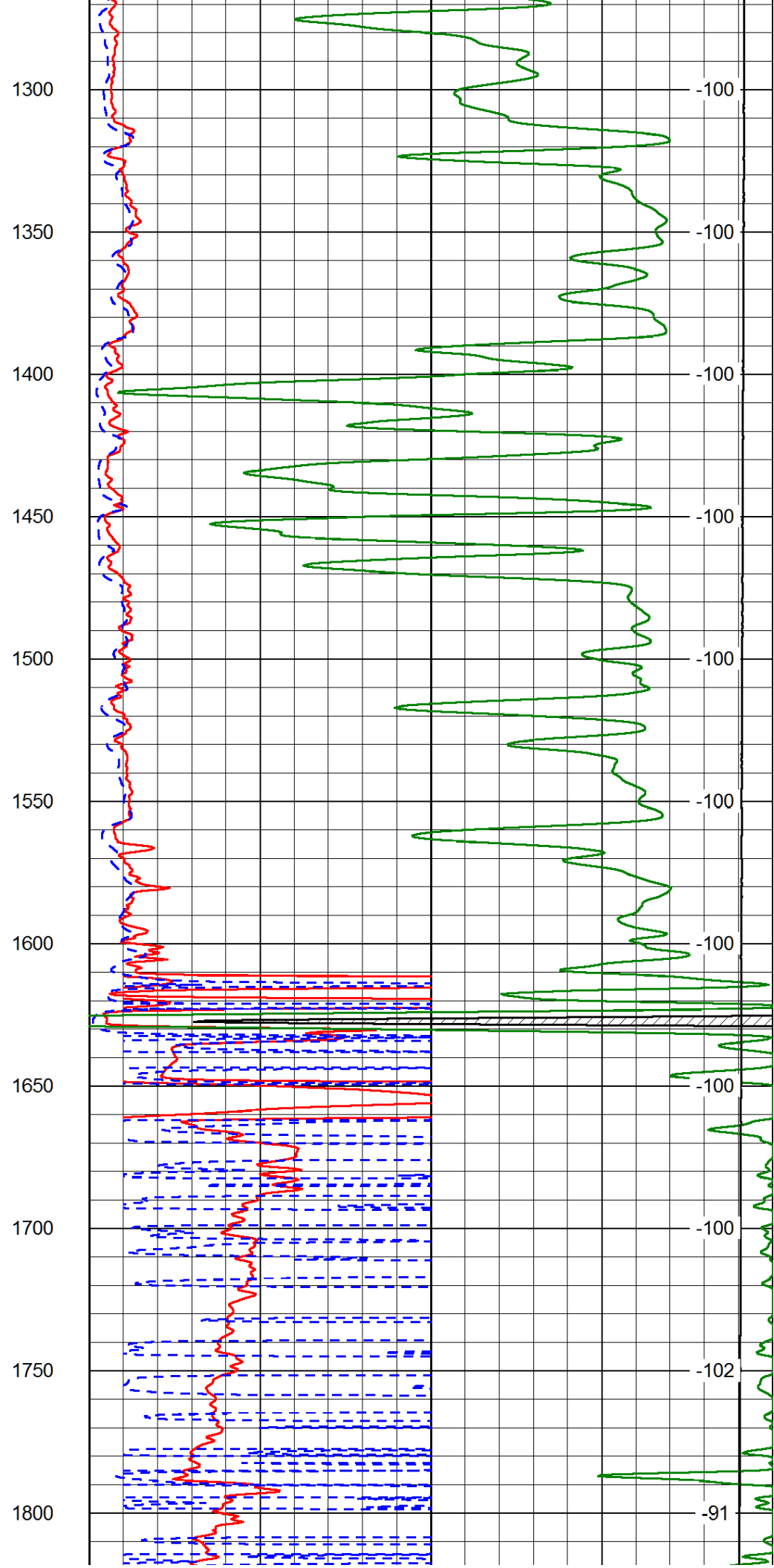
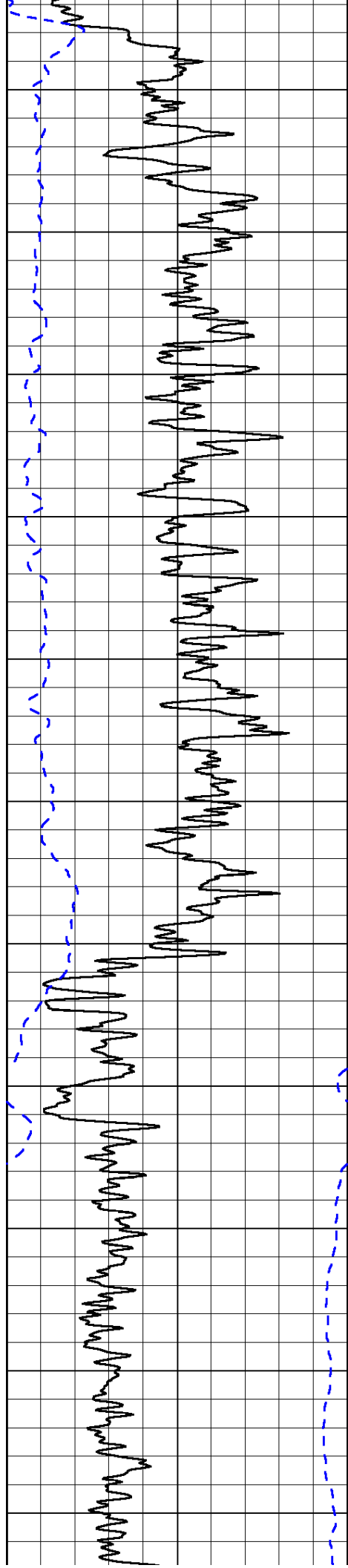
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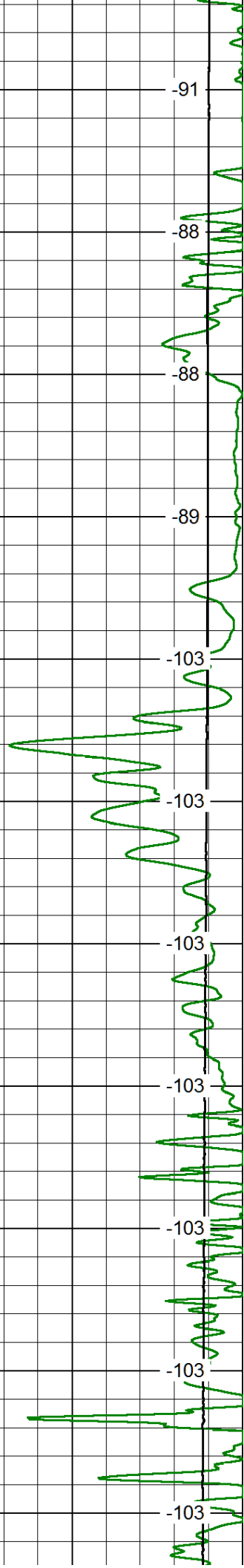
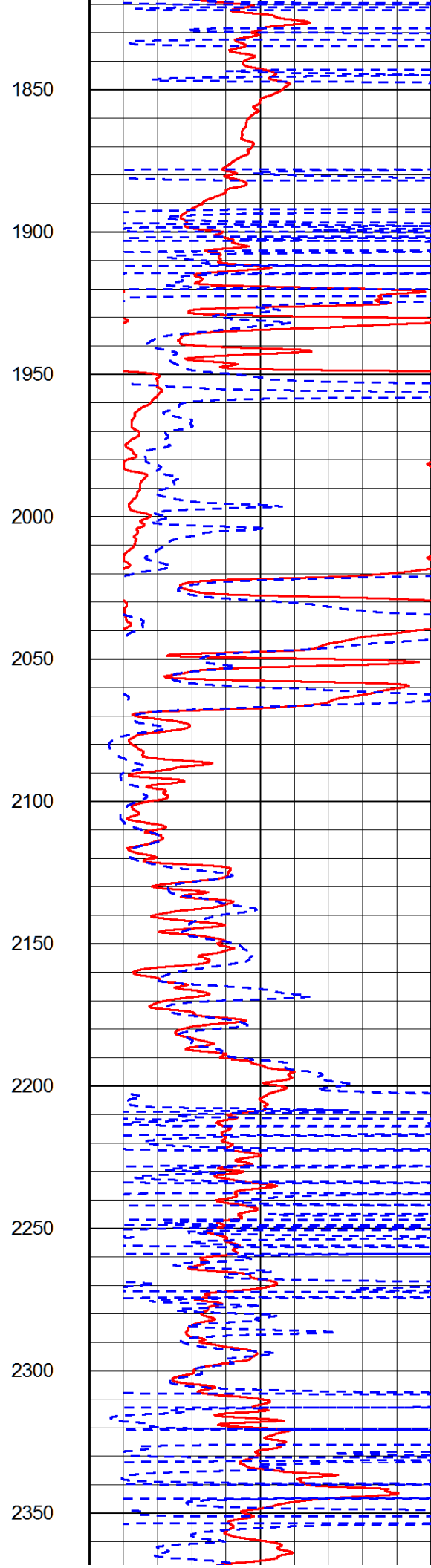
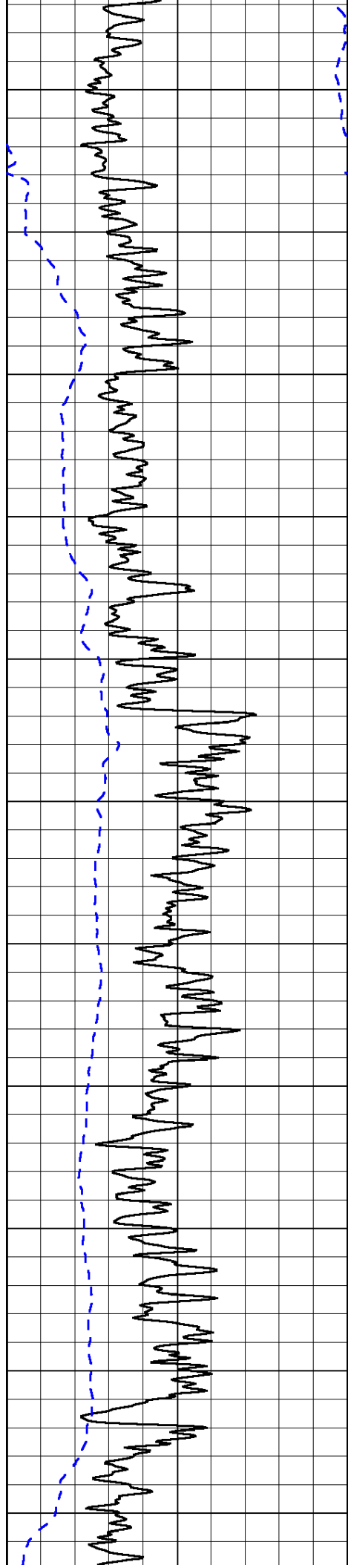
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

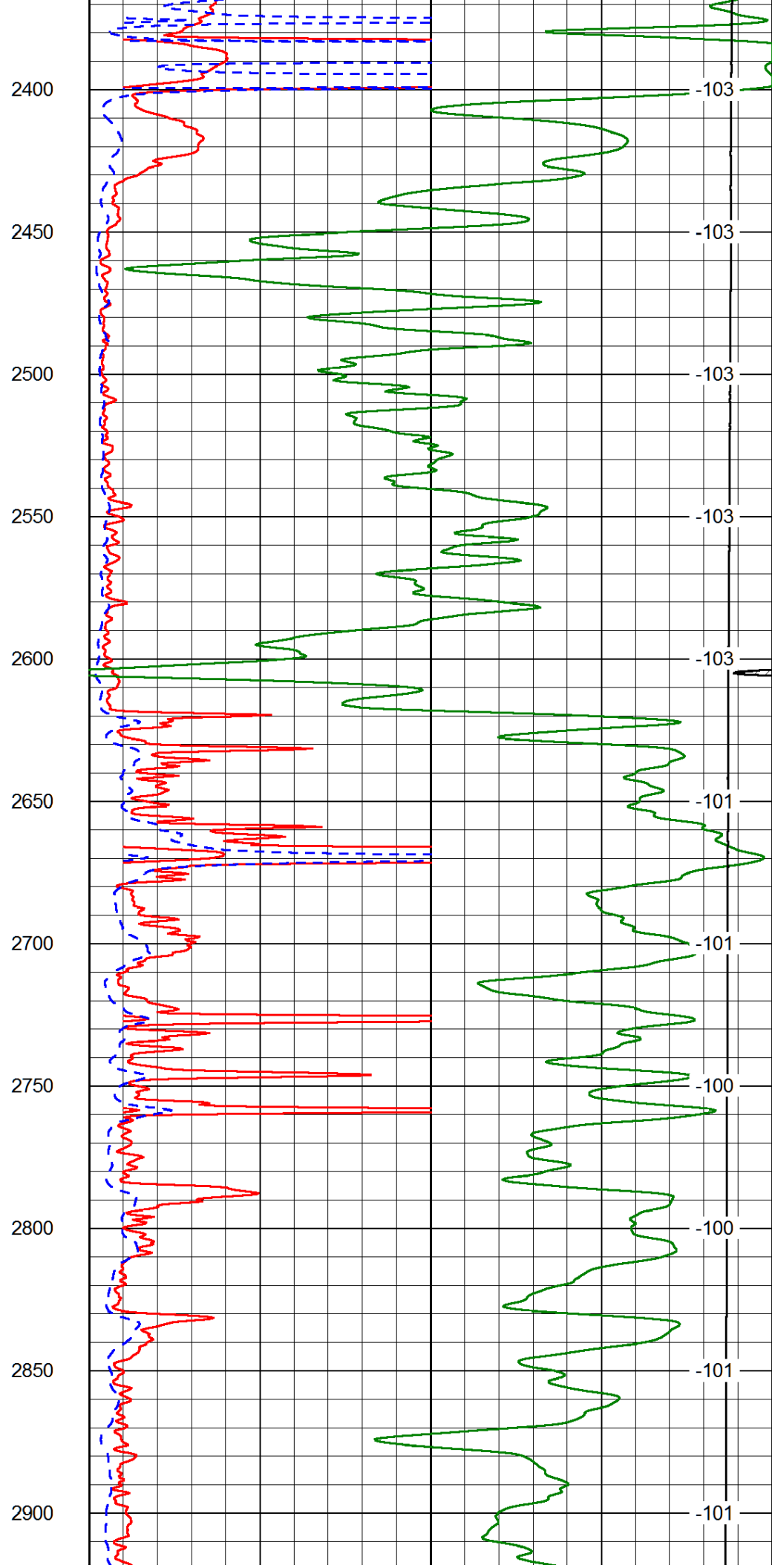
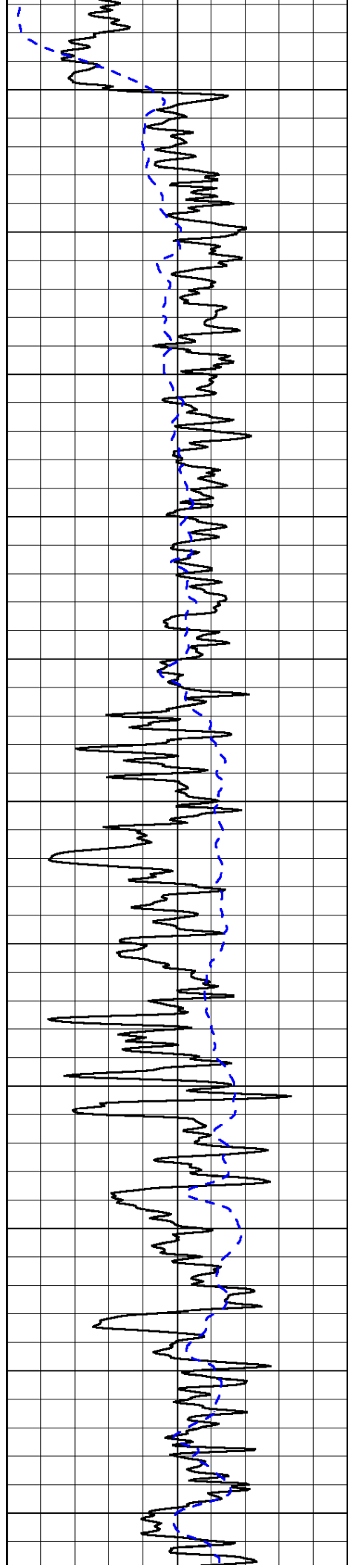
LSPD

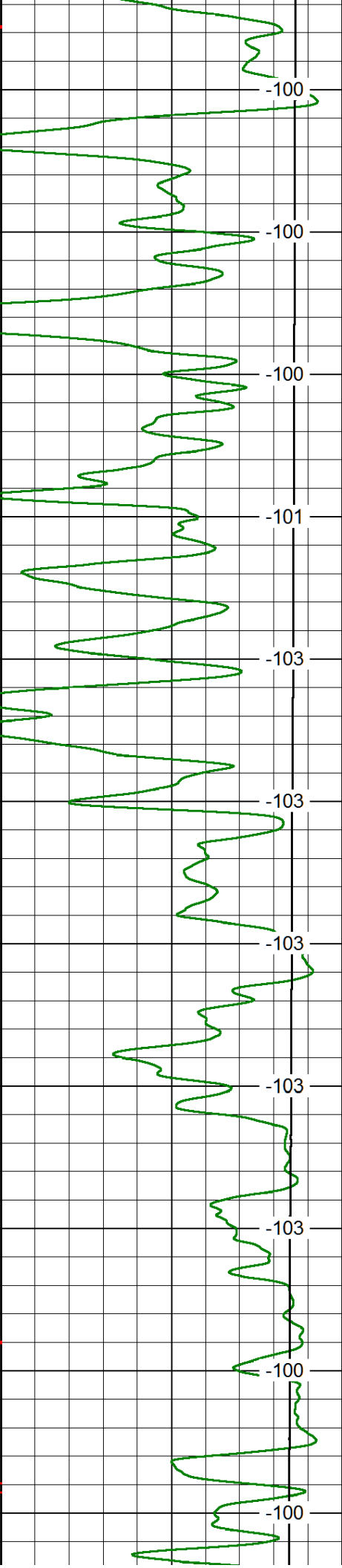
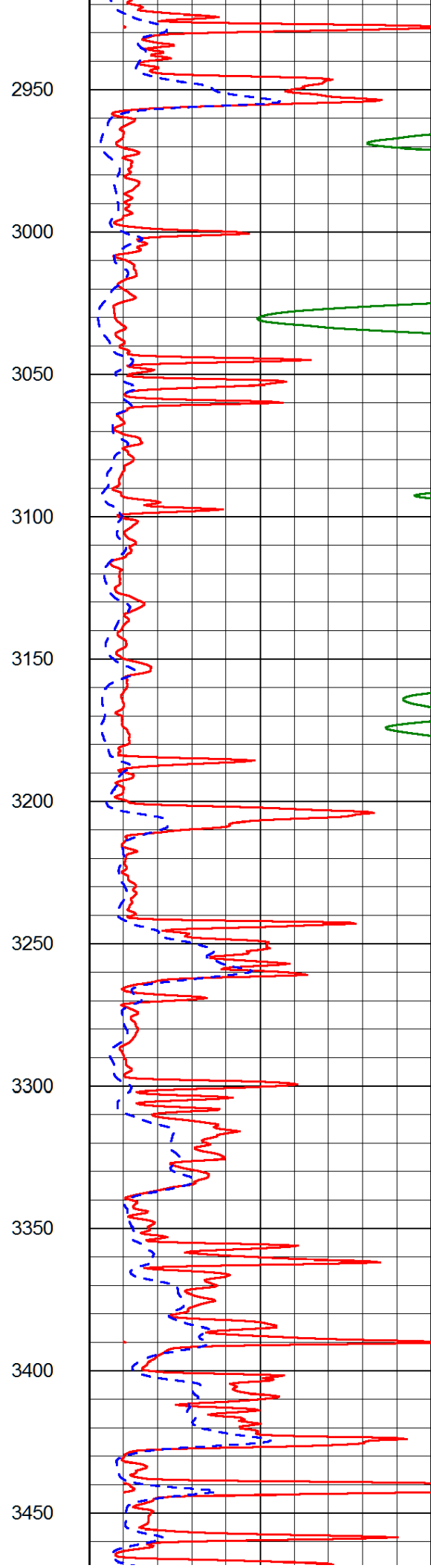
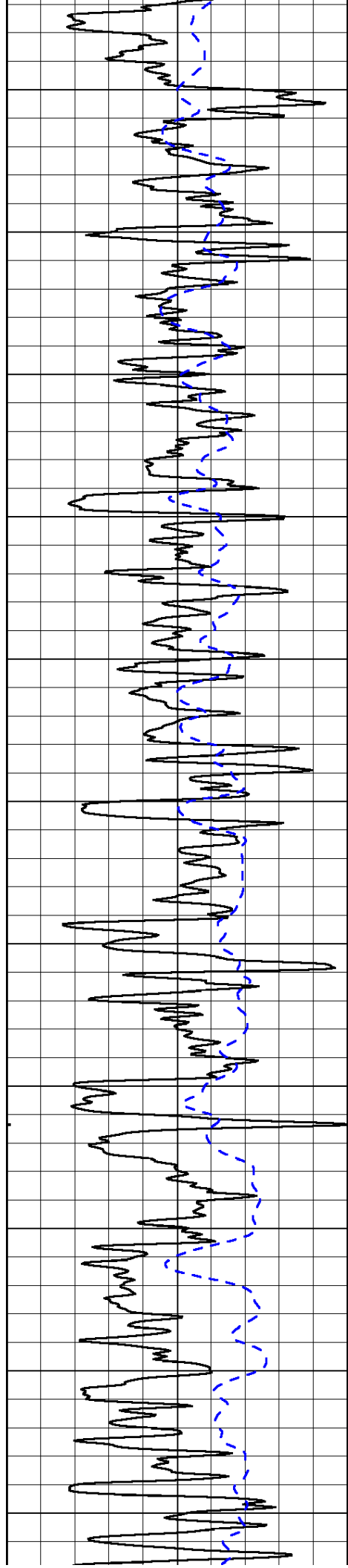


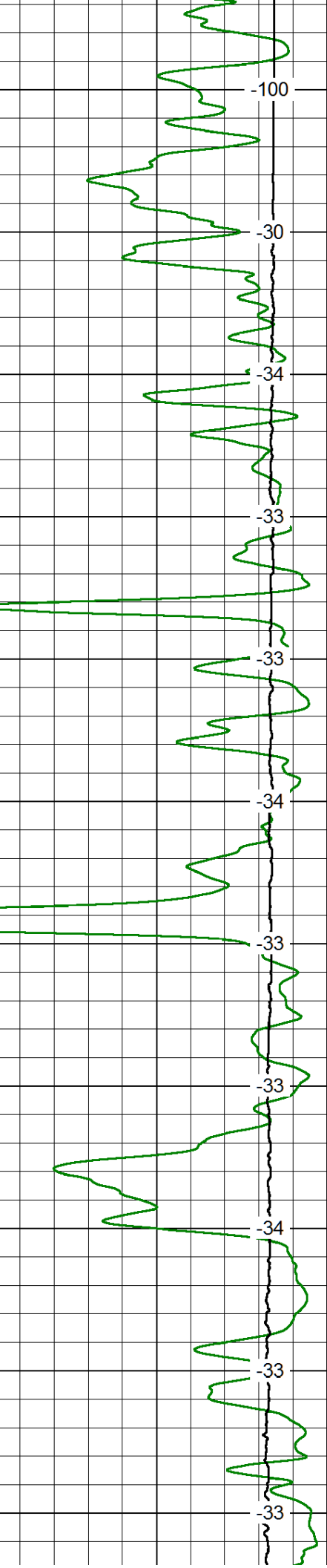
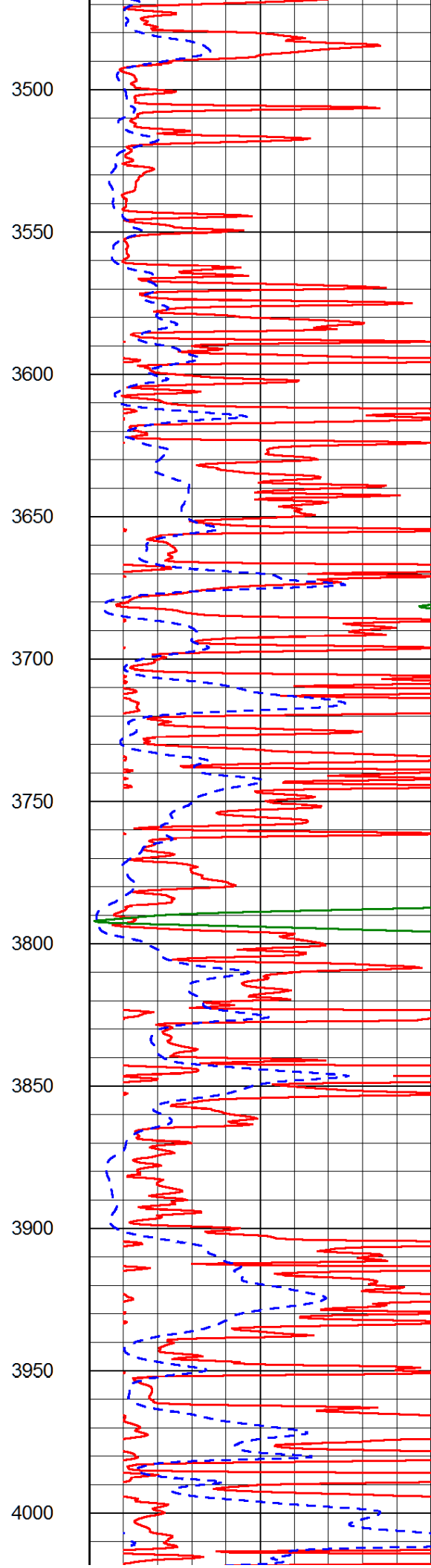
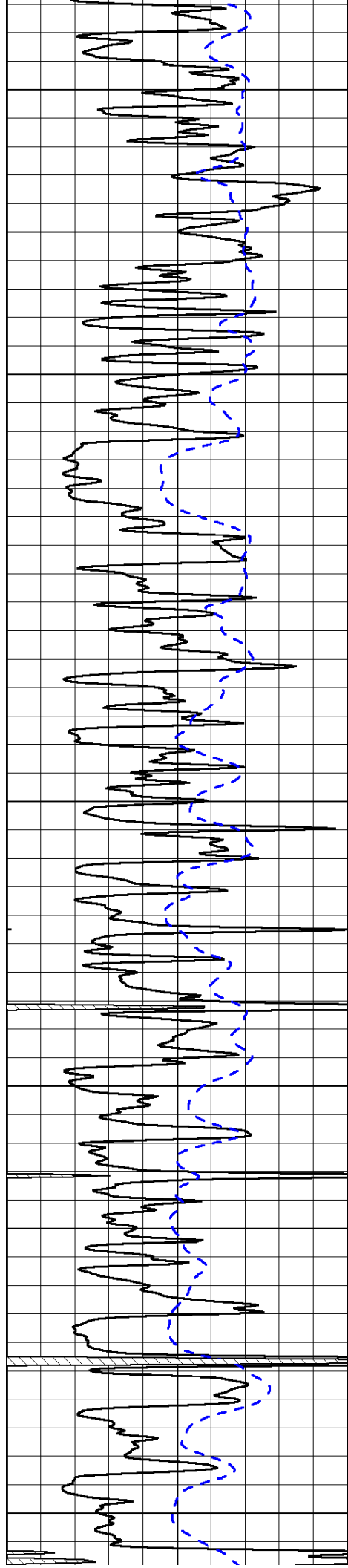


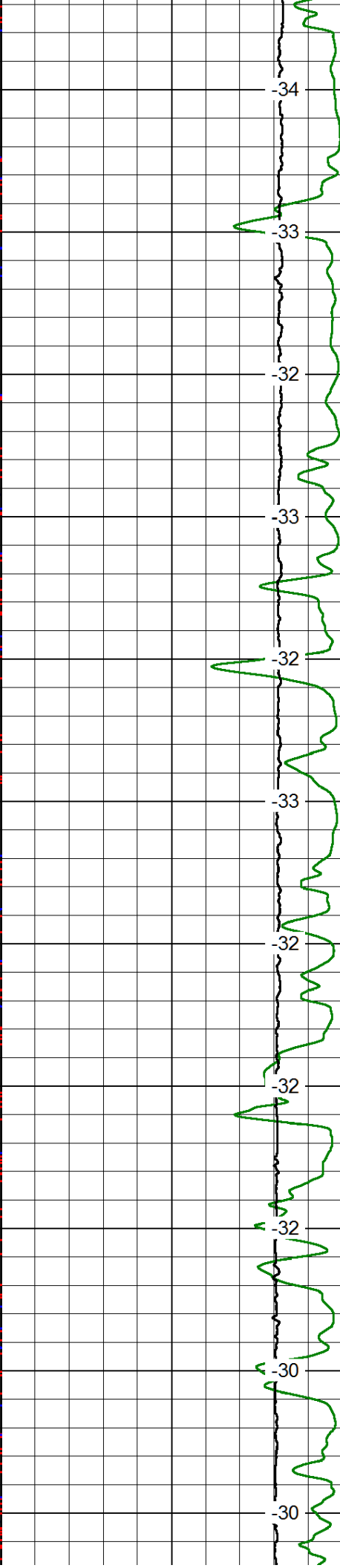
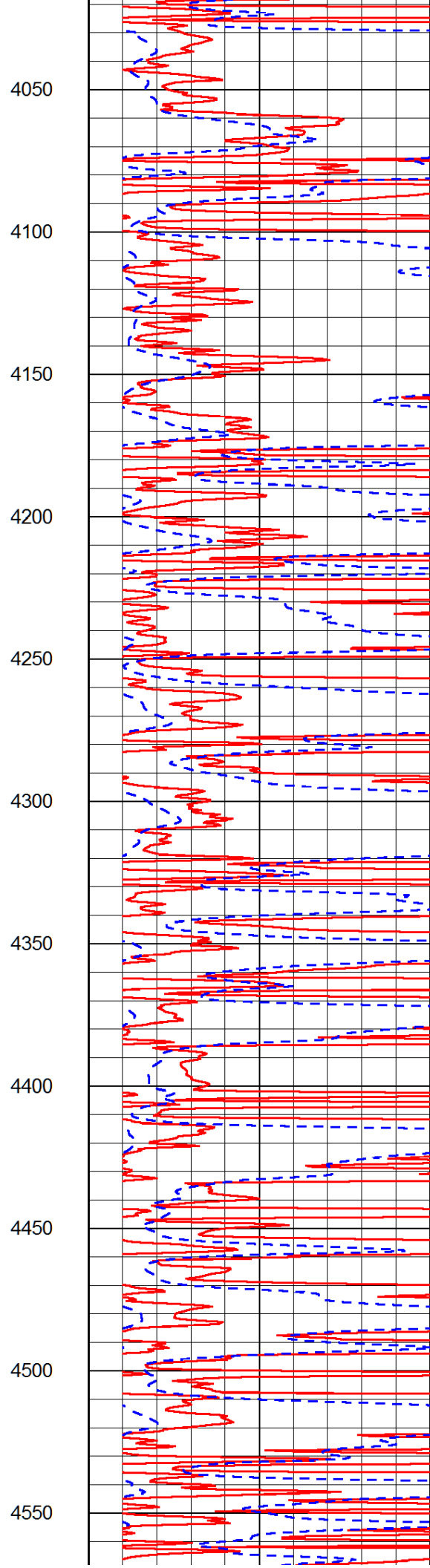
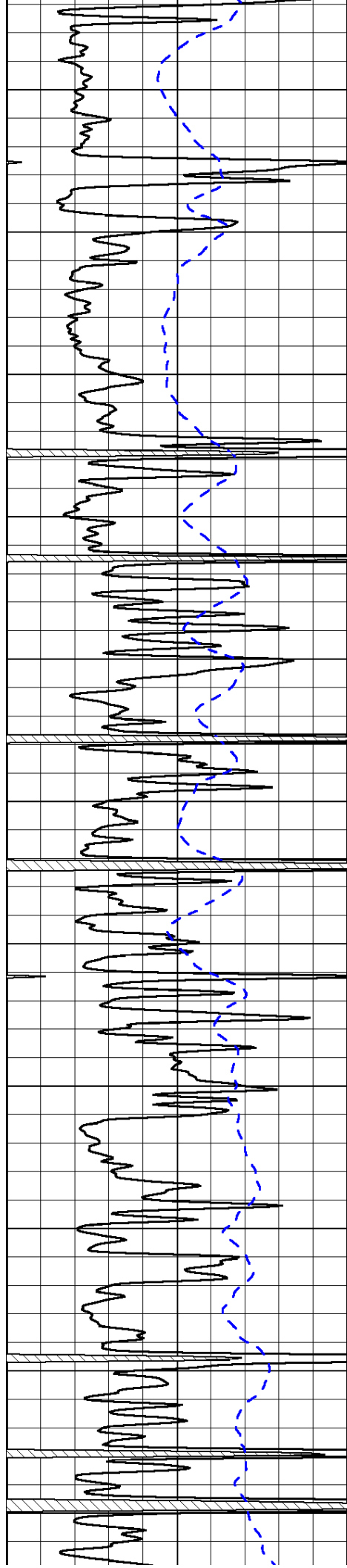


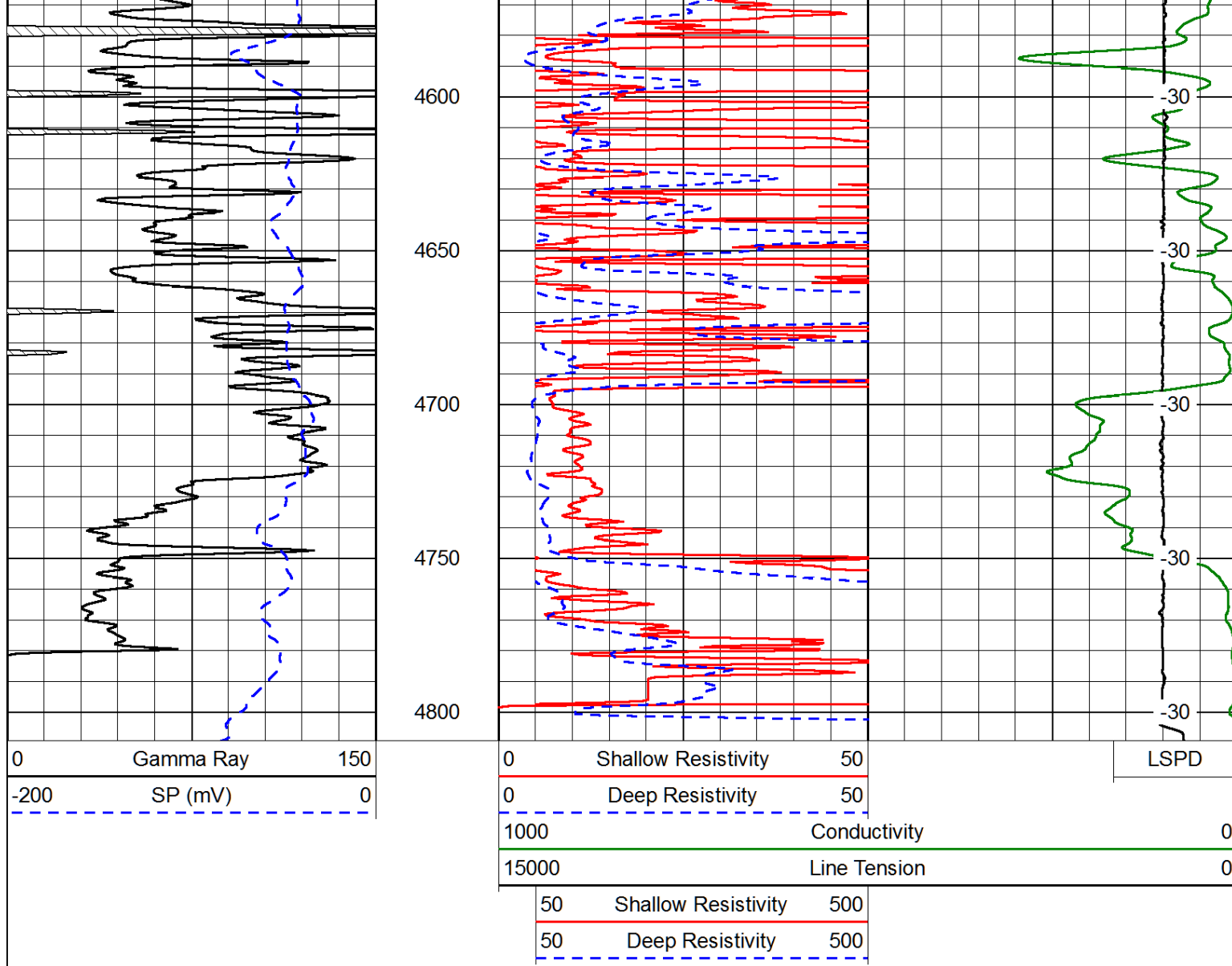




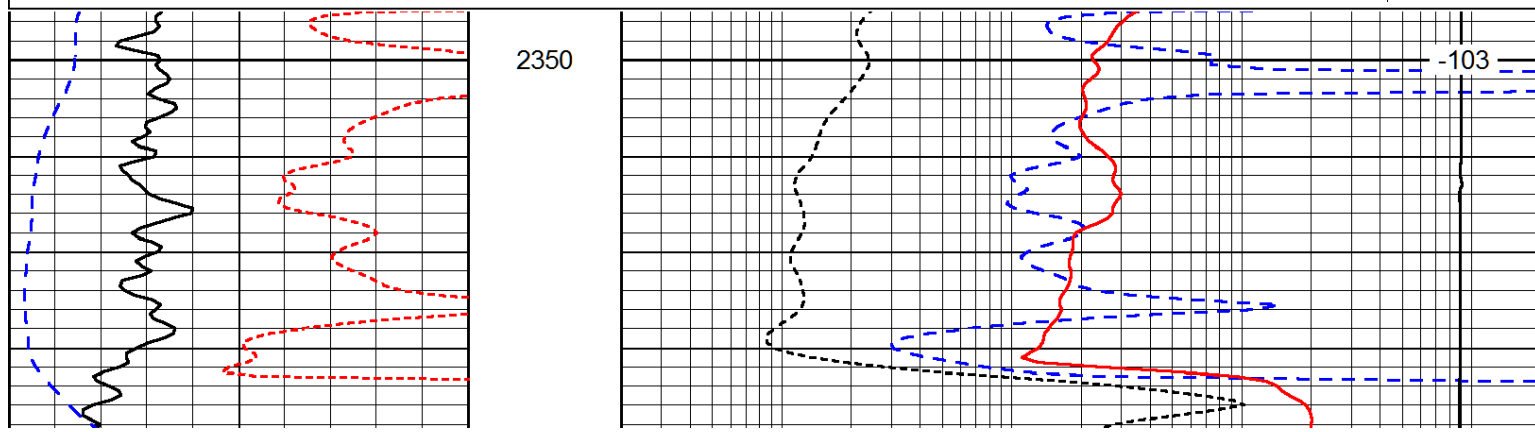
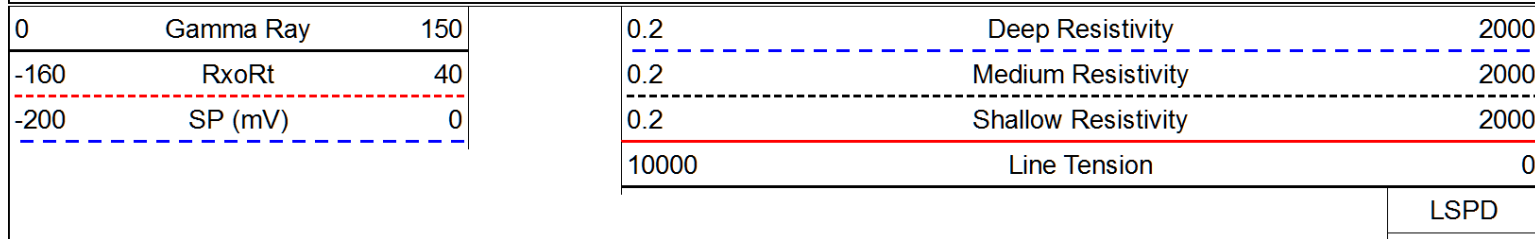


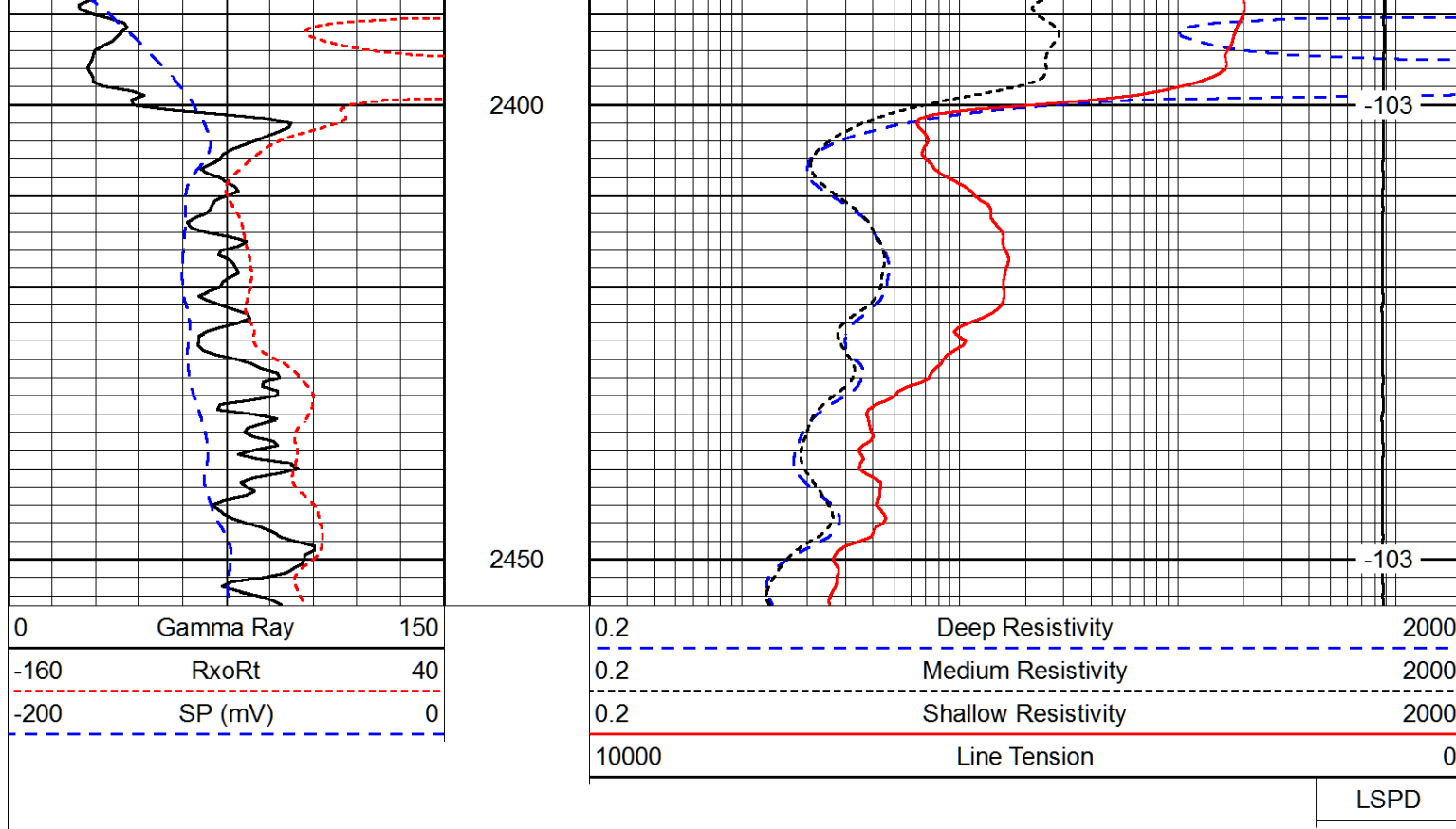




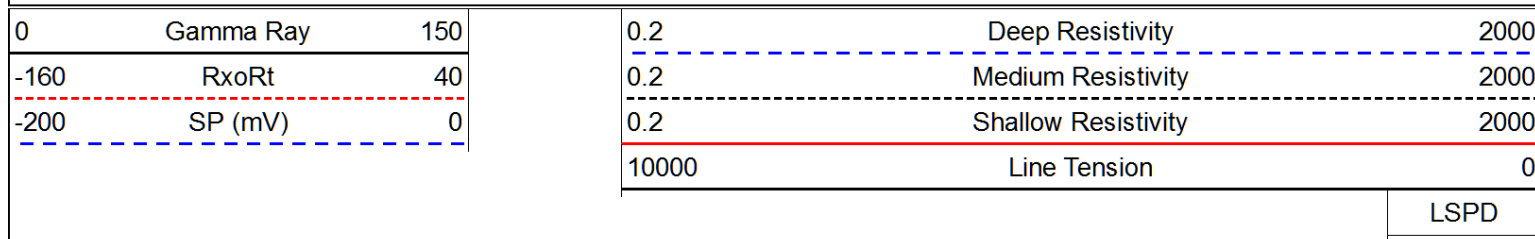


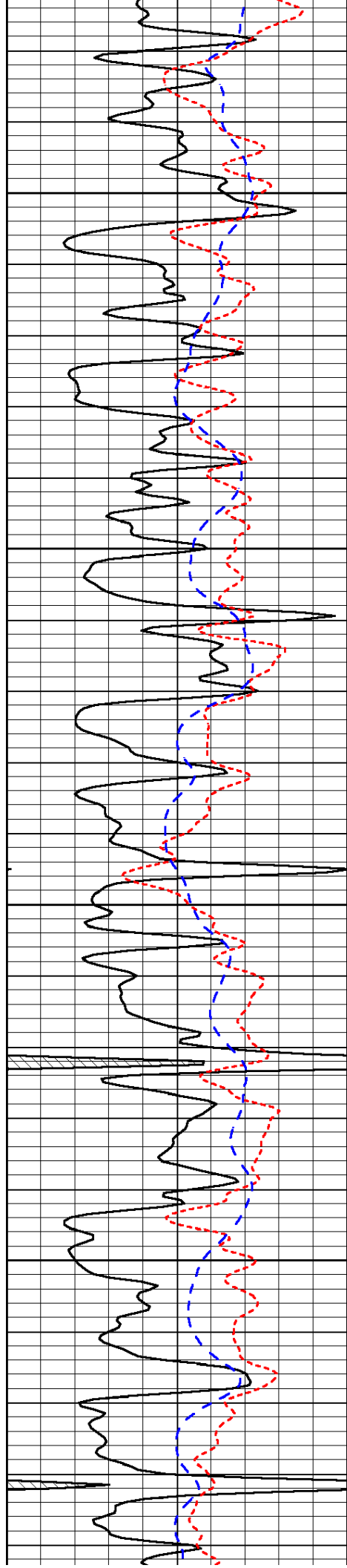
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 Dataset Creation: Fri Dec 19 19:27:50 2014
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Charted by: Depth in Feet scaled 1:240



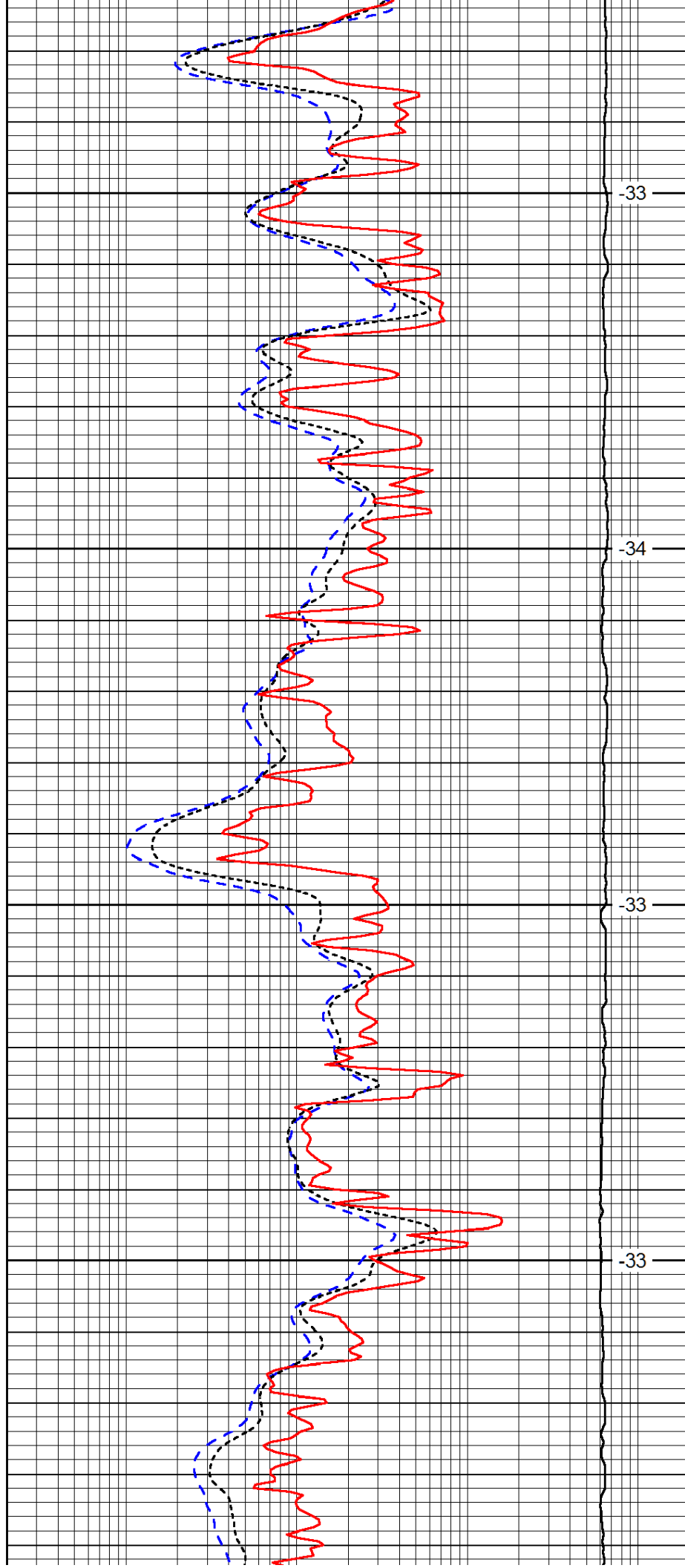


3700

3750

3800

3850

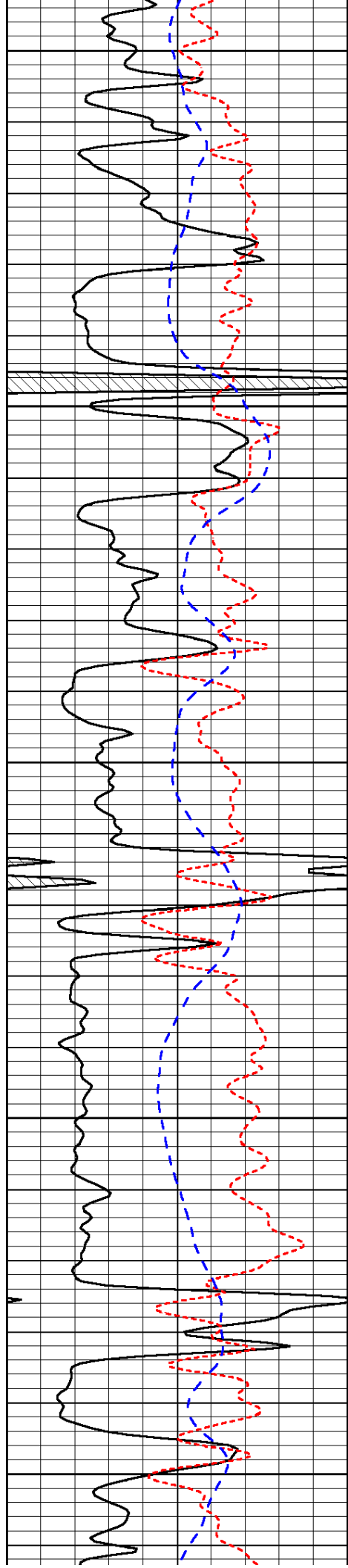


-33

-34

-33

-33



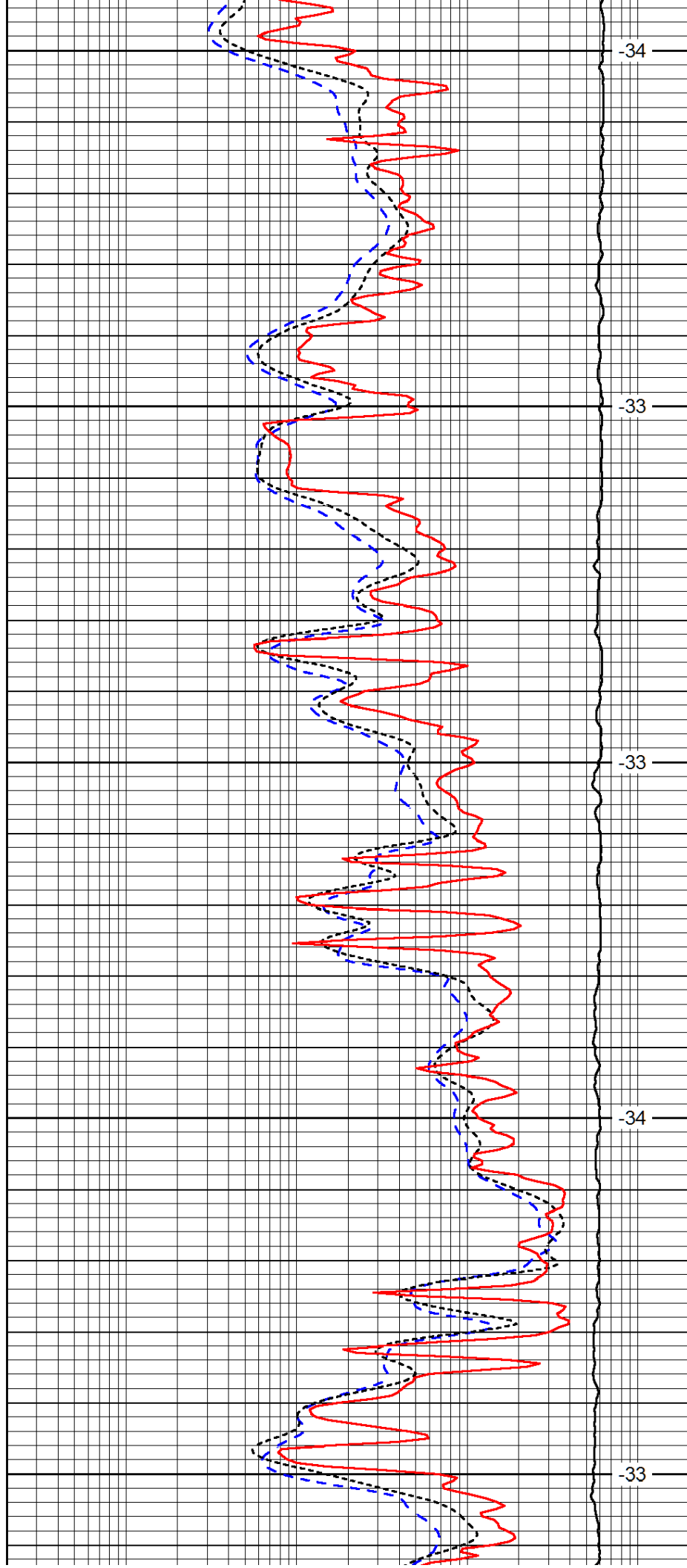
3900

3950

4000

4050

4100



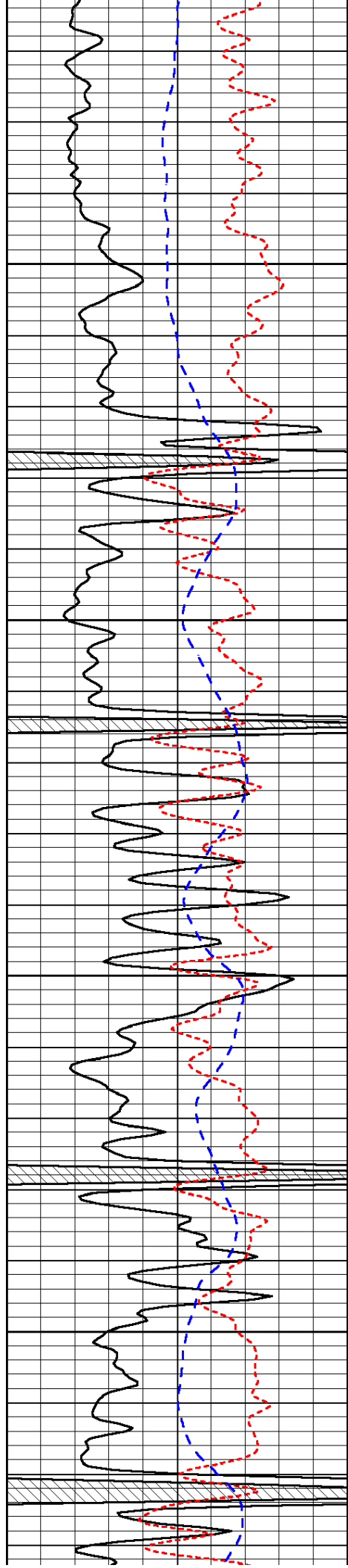
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-33

-33

-34

-33

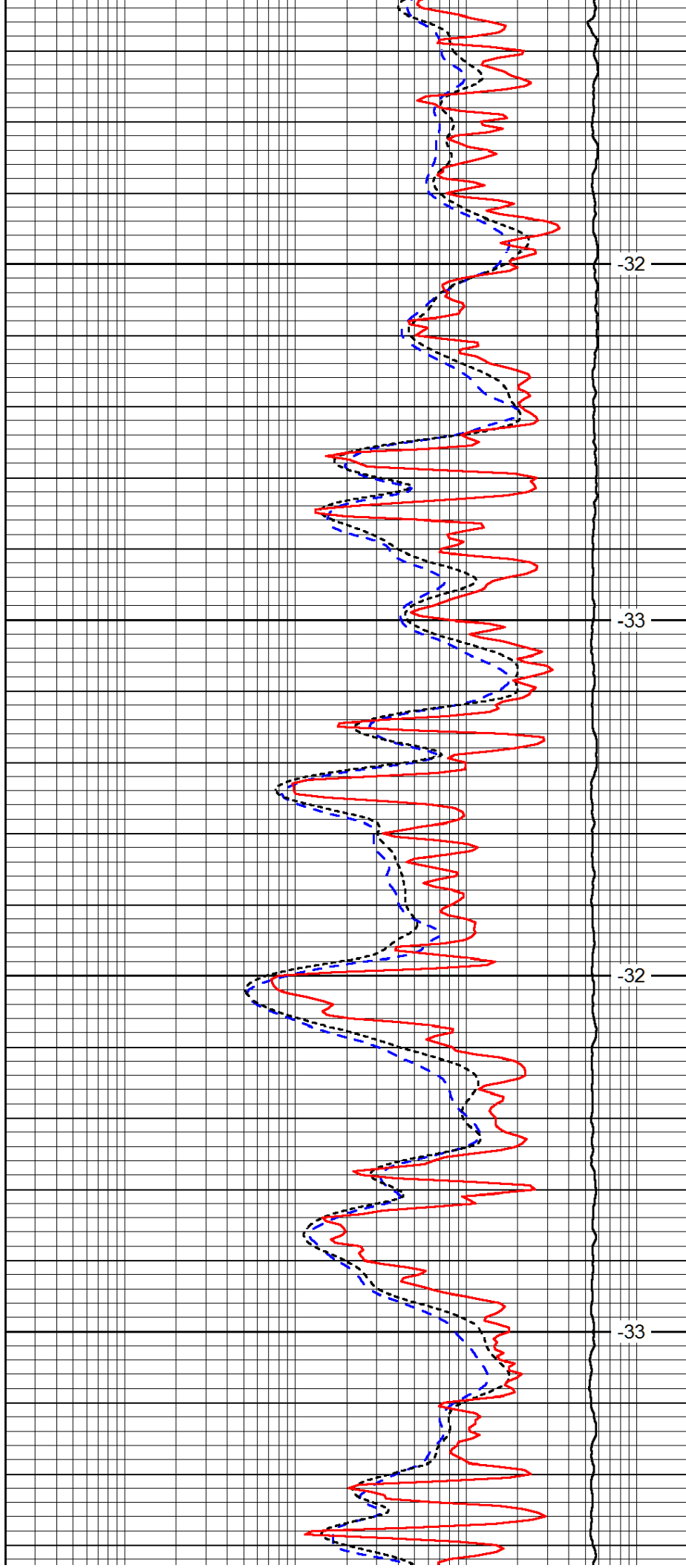


4150

4200

4250

4300

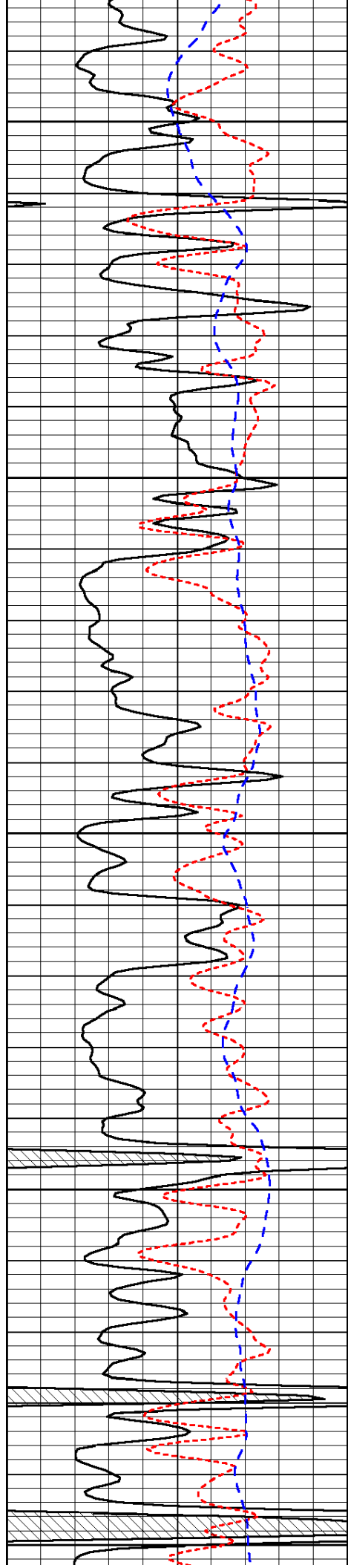


-32

-33

-32

-33



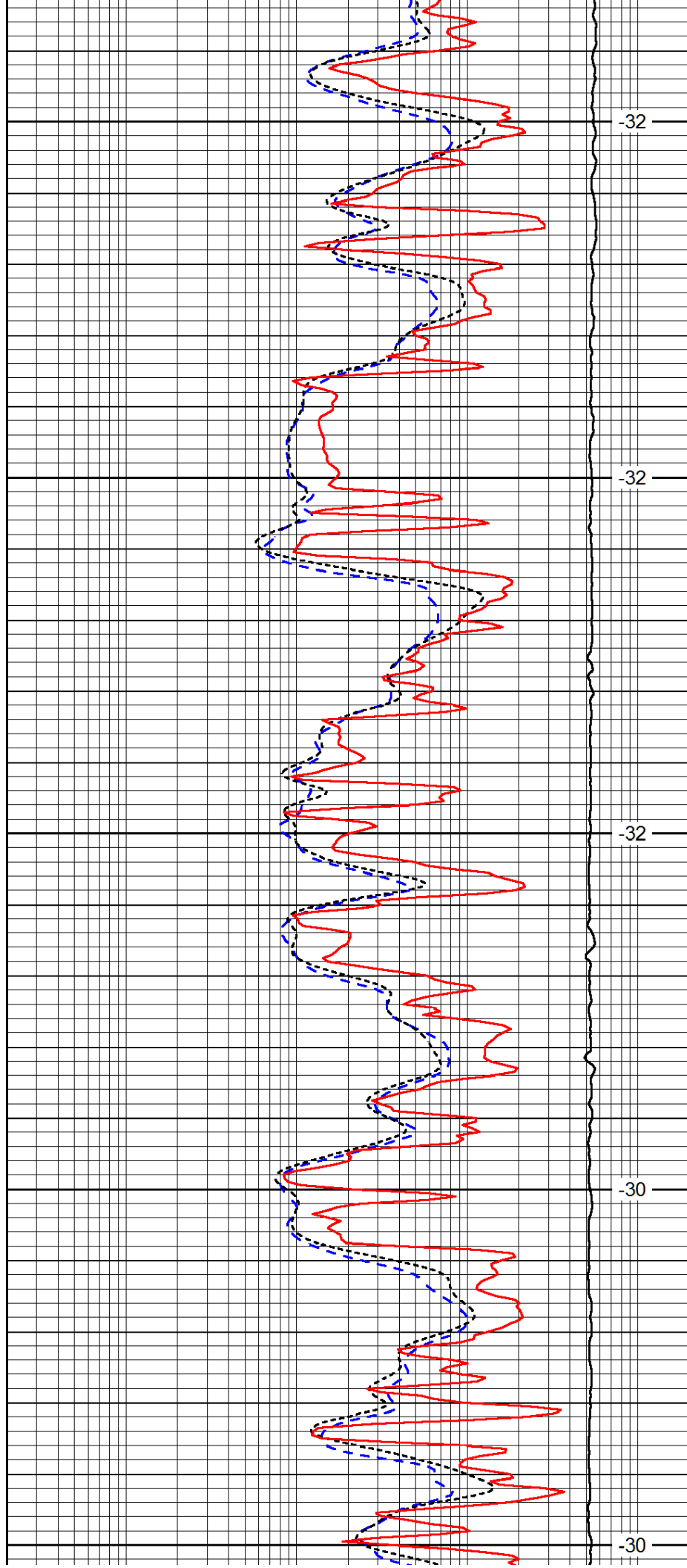
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4400

4450

4500

4550



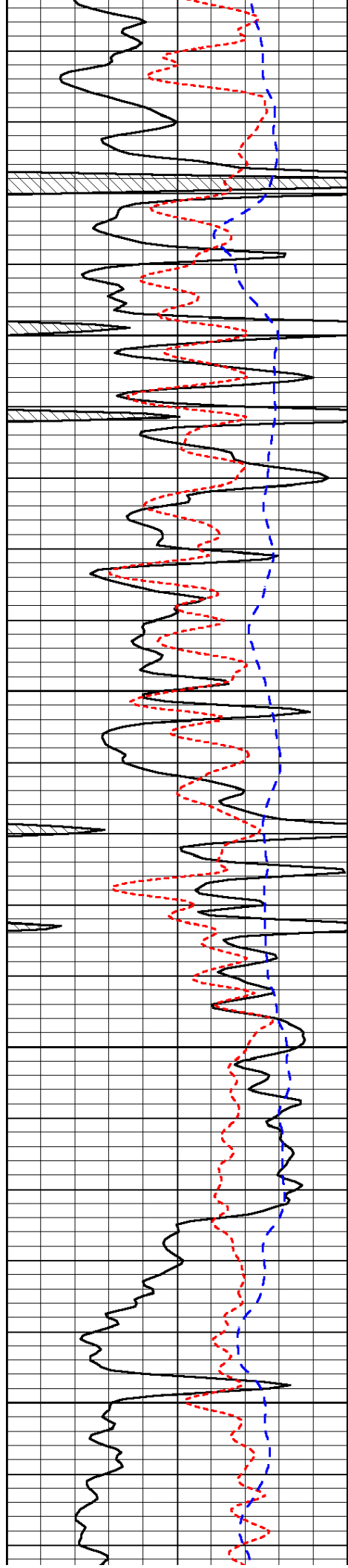
-32

-32

-32

-30

-30

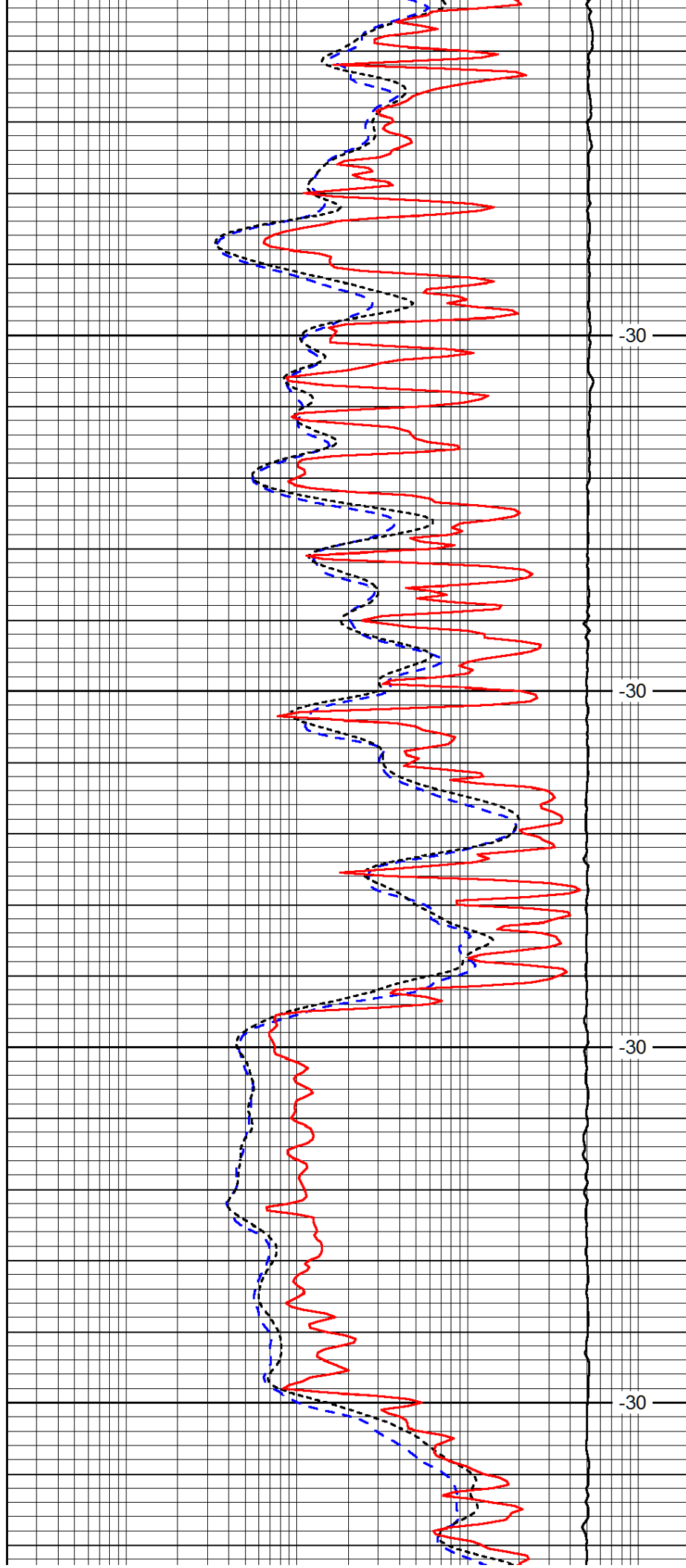


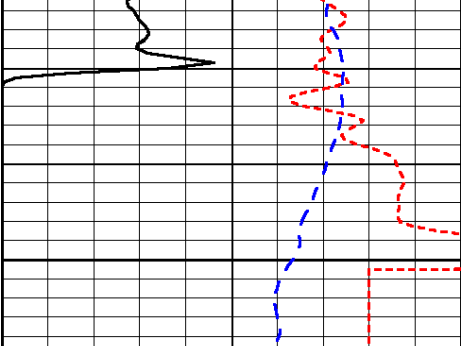
4600

4650

4700

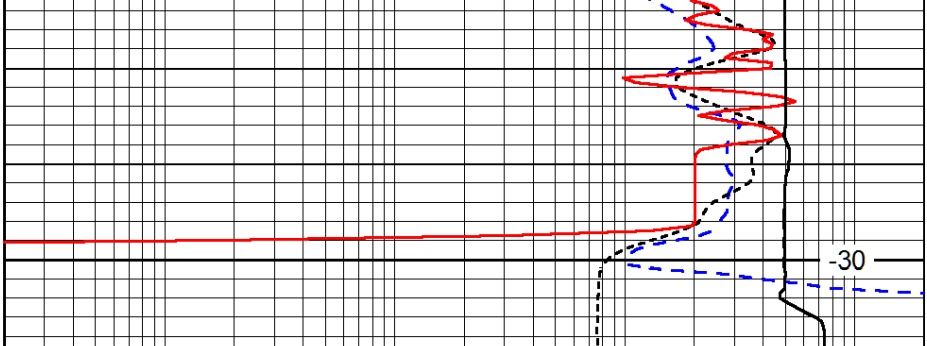
4750





4800

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



-30

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

LSPD