



PIONEER

Pioneer Energy Services

Dual Induction Log

API No.

15-203-20,299-00-00

Company SDOCO, LLC.

Well Carman Trust No.16-11

Field

County Wichita

State

Kansas

Location 651' FSL & 371' FEL

Sec: 11

Twp: 19S

Rge: 36W

Elevation

Permanent Datum Ground Level Elevation 3215
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3226
D.F.
G.L. 3215

Date

12/31/2014

Run Number

One

Depth Driller

4965

Depth Logger

4960

Bottom Logged Interval

4959

Top Log Interval

350

Casing Driller

8.625 @ 373

Casing Logger

374

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9.000

Density / Viscosity

9.4

pH / Fluid Loss

10.0

Source of Sample

Flowline

Rm @ Meas. Temp

.35 @ 45

Rmf @ Meas. Temp

.26 @ 45

Rmc @ Meas. Temp

.47 @ 45

Source of Rmf / Rmc

Charts

Rm @ BHT

.13 @ 126

Operating Rig Time

5 Hours

Max Rec. Temp. F

126

Equipment Number

51

Location

Hays

Recorded By

C. Desaire

Witnessed By

Kurt Talbott

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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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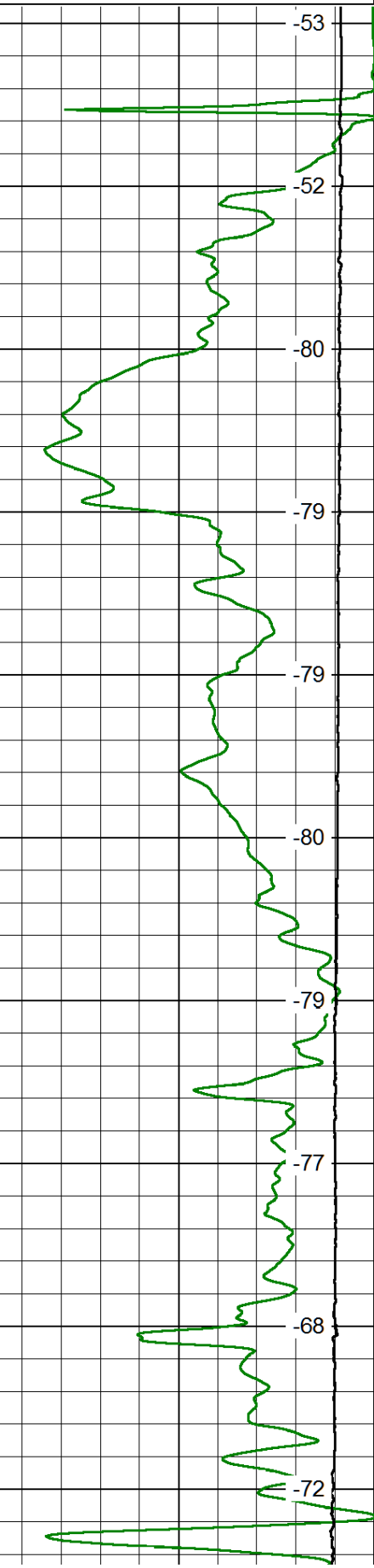
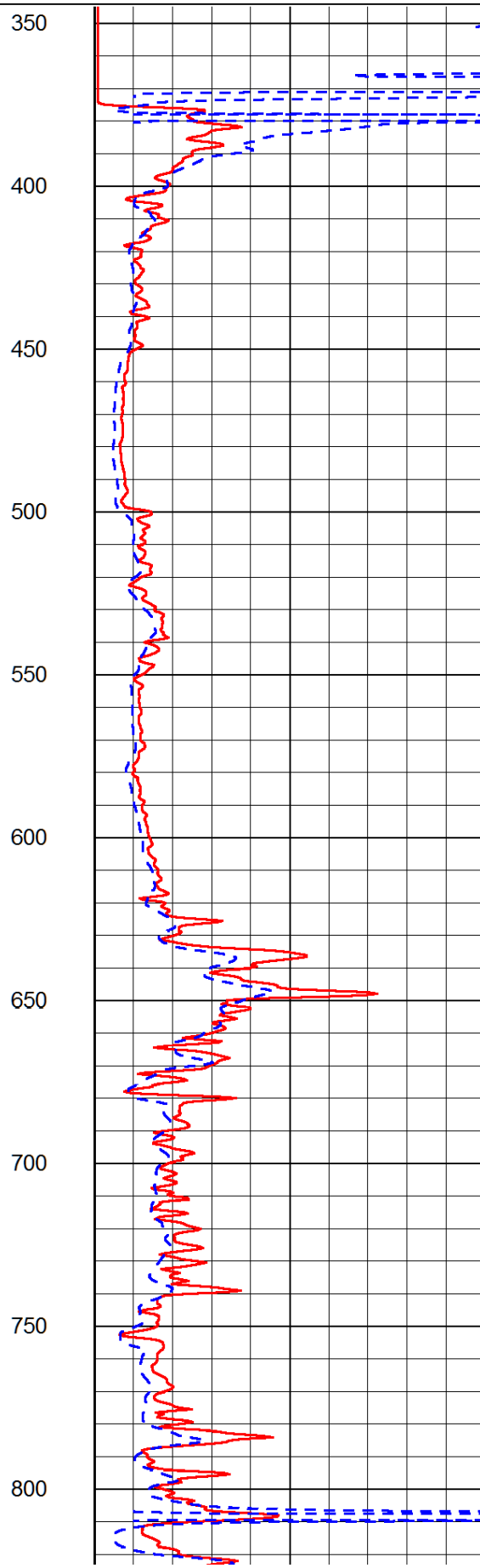
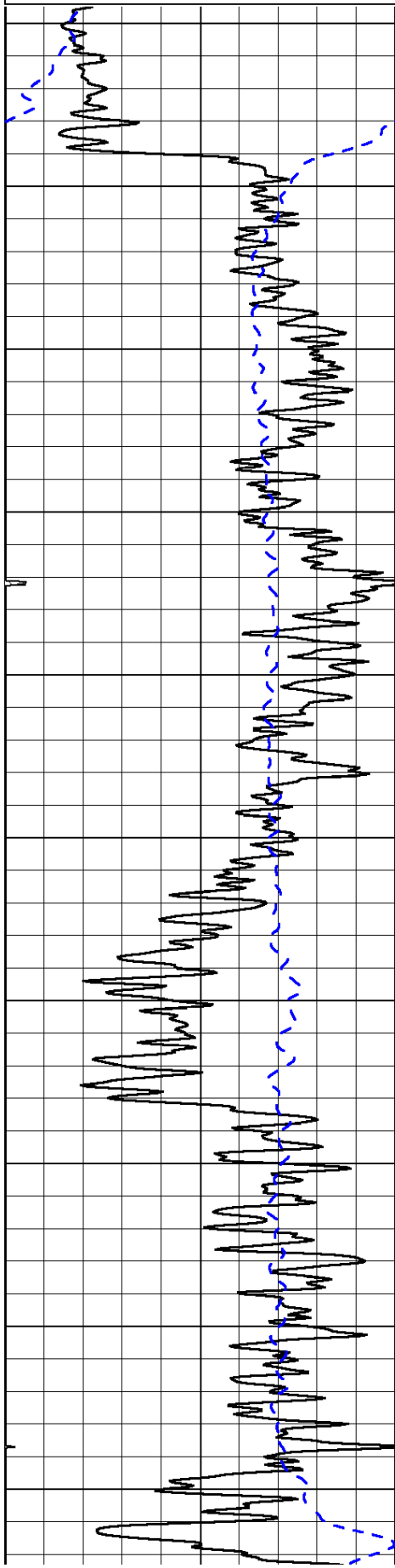
Marienthal KS, 5 S on 20 Rd,
2 W, N Into

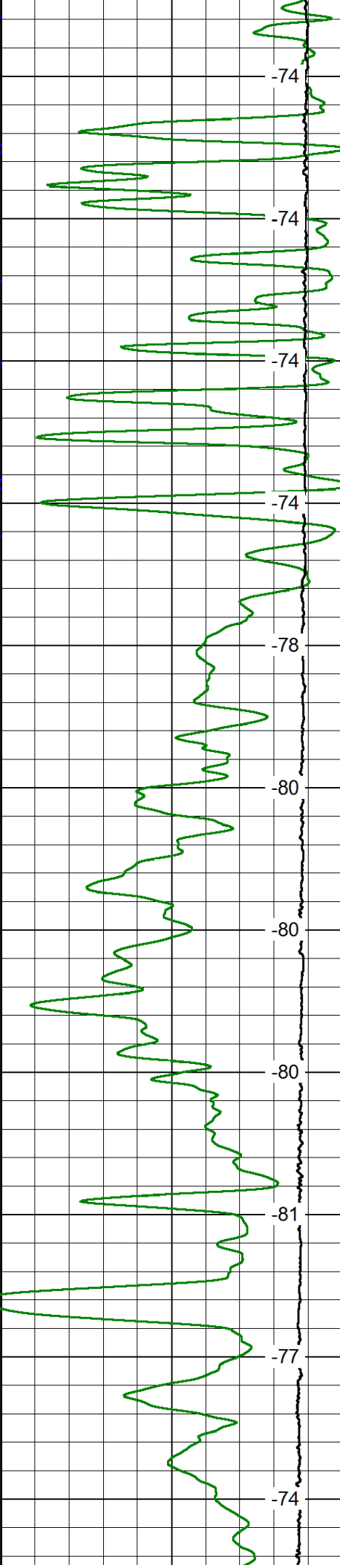
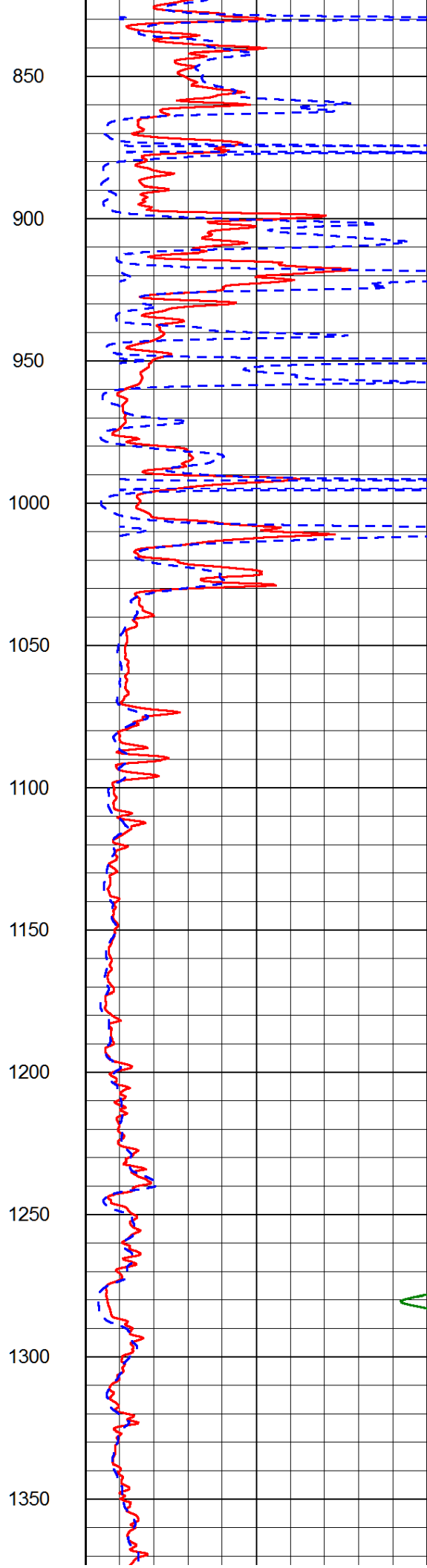
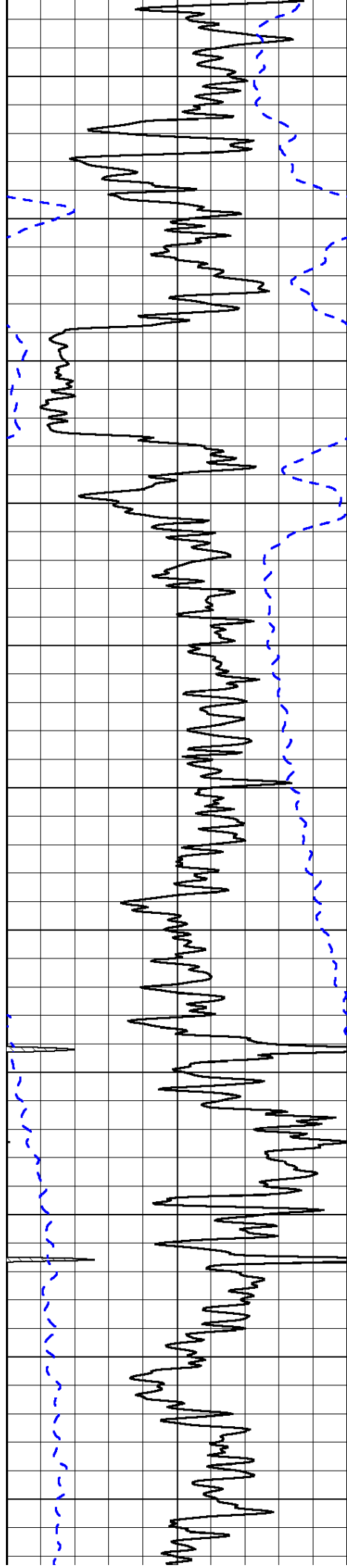
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Dataset Creation: Wed Dec 31 10:35:29 2014
Charted by: Depth in Feet scaled 1:600

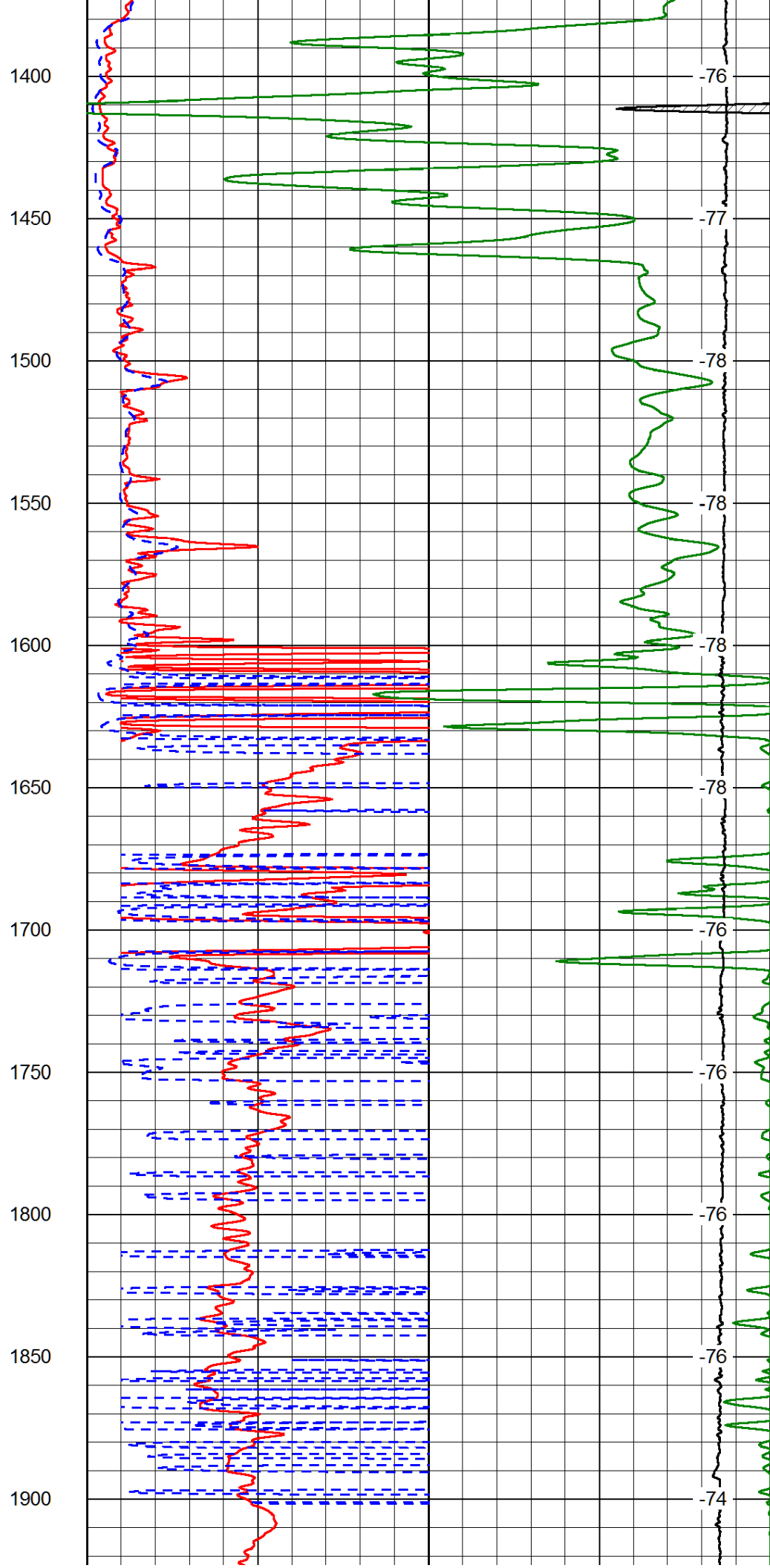
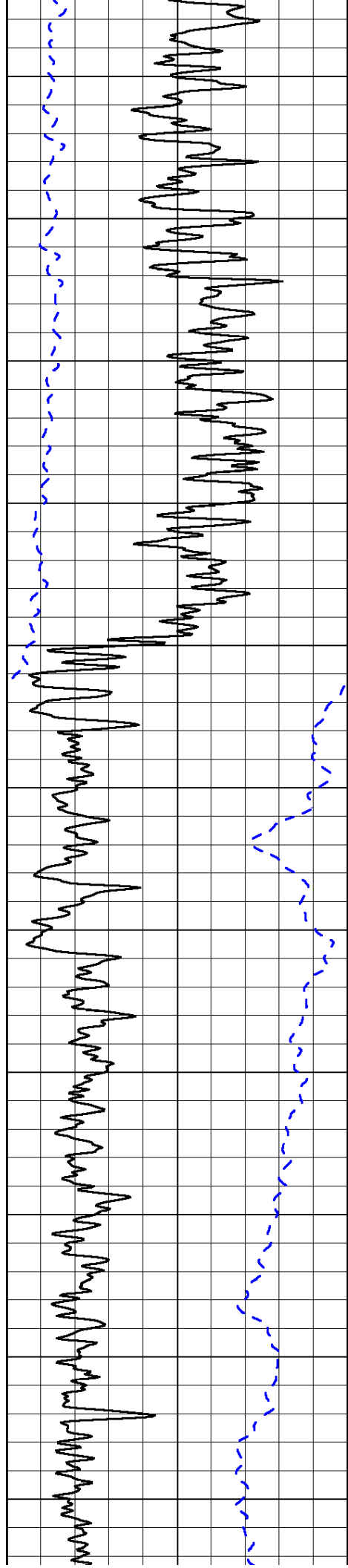
0	Gamma Ray	150
-200	SP (mV)	0

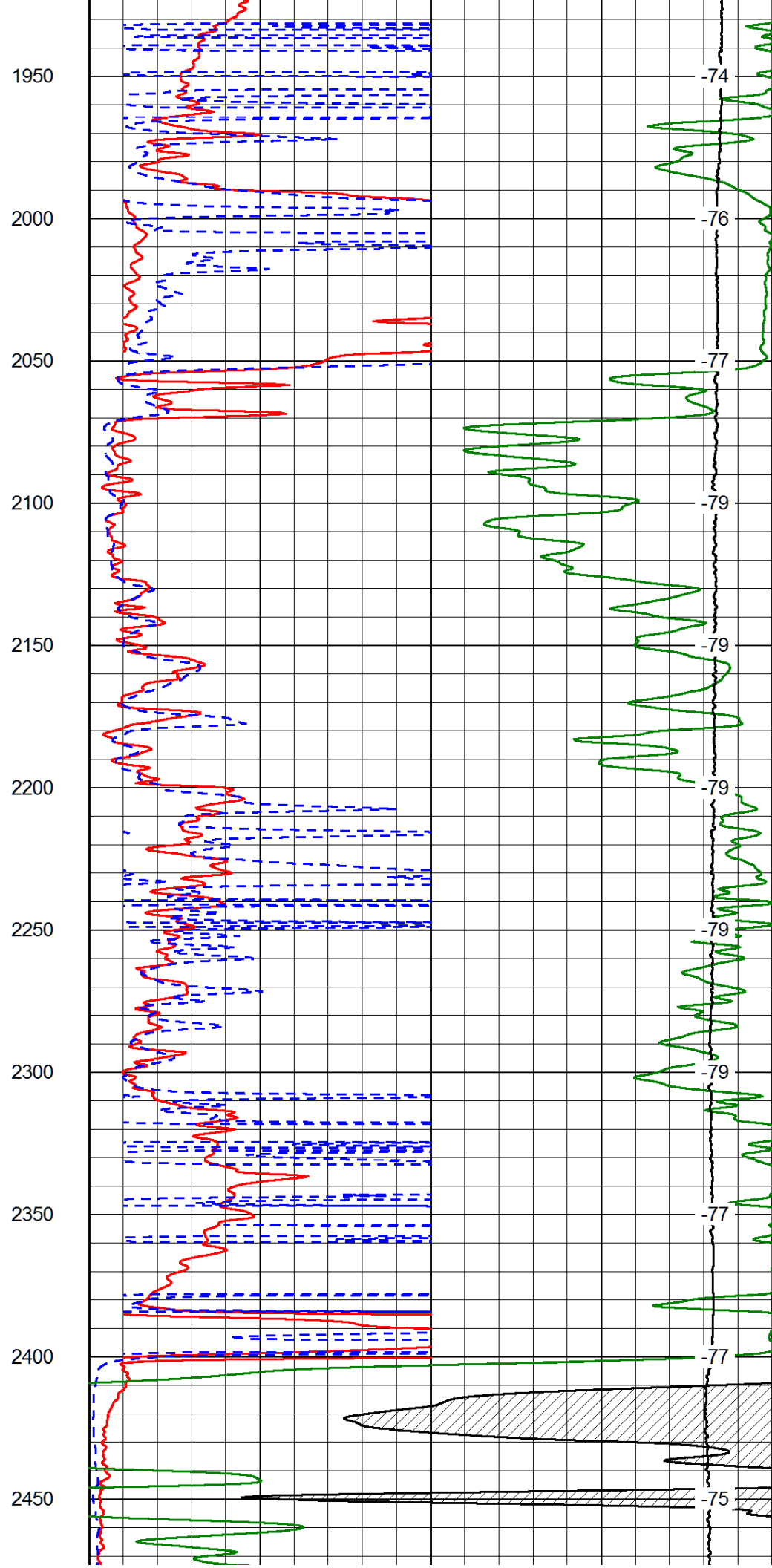
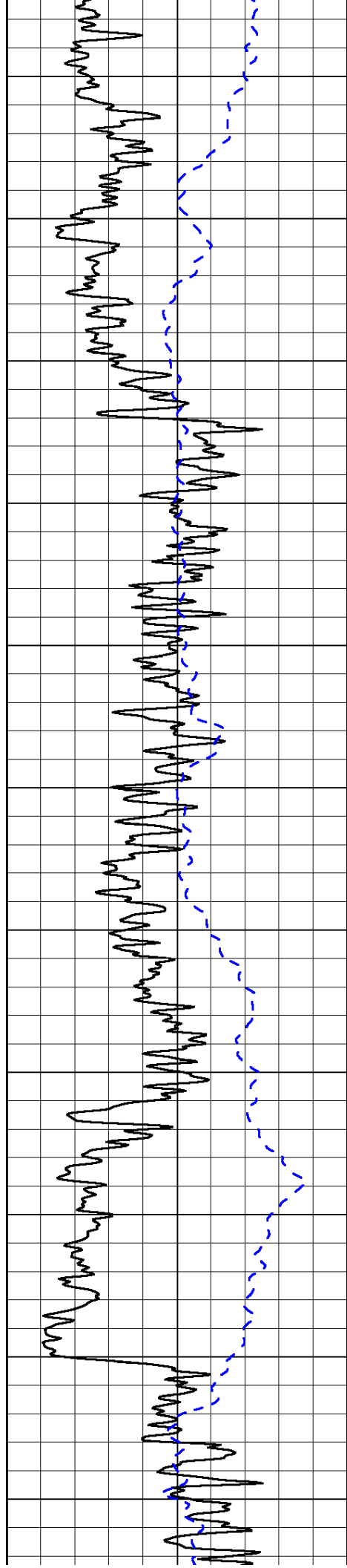
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

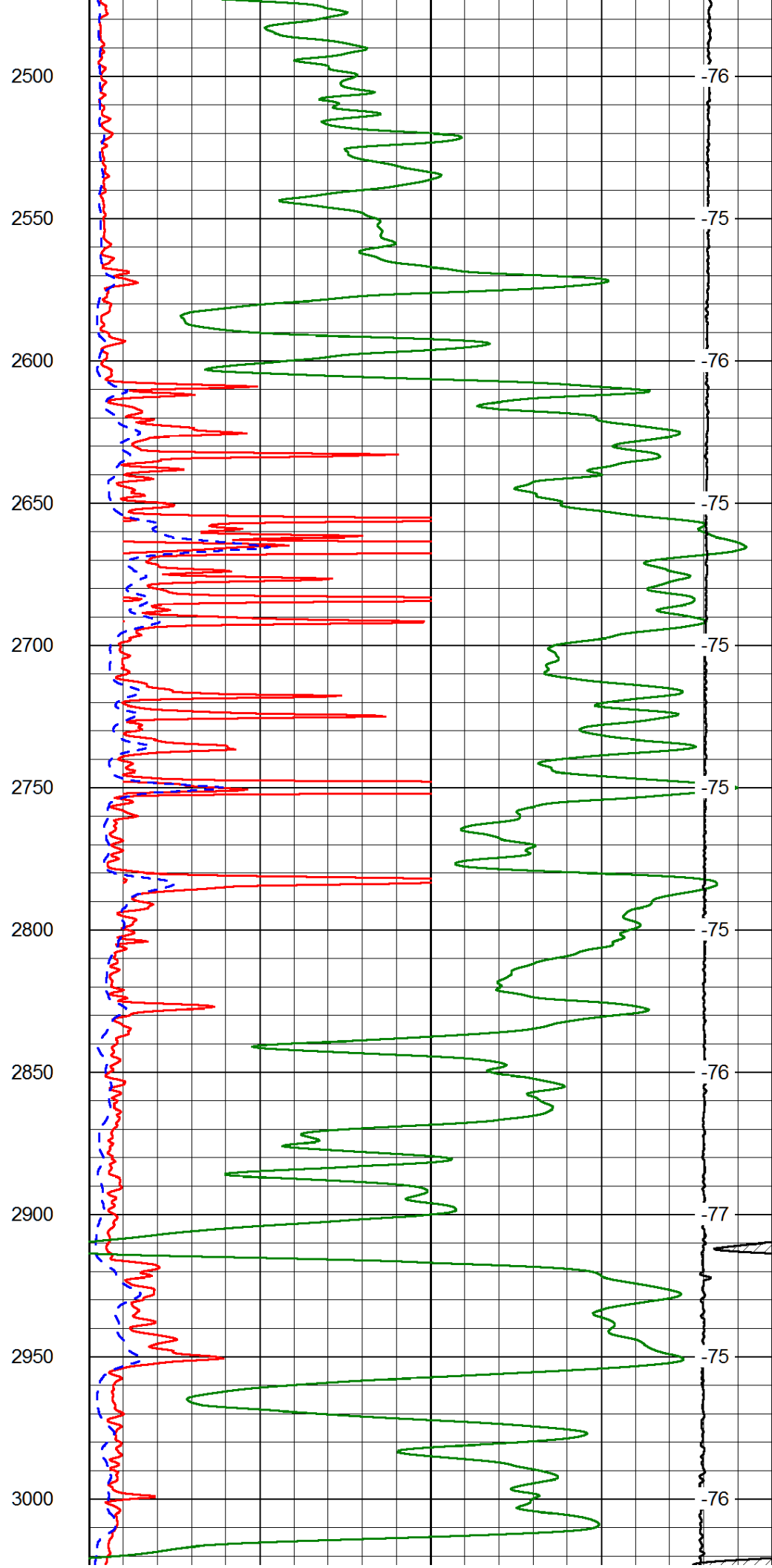
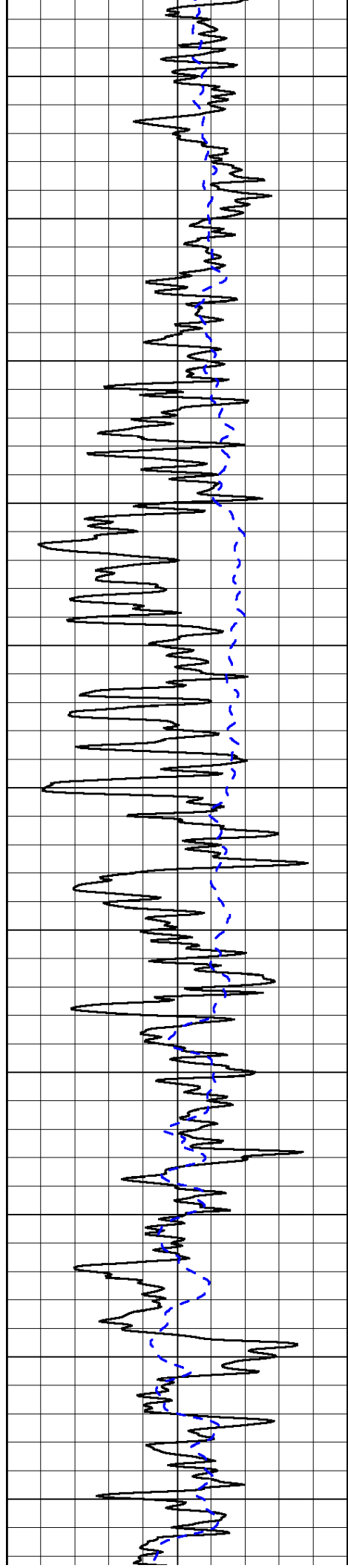
LSPD

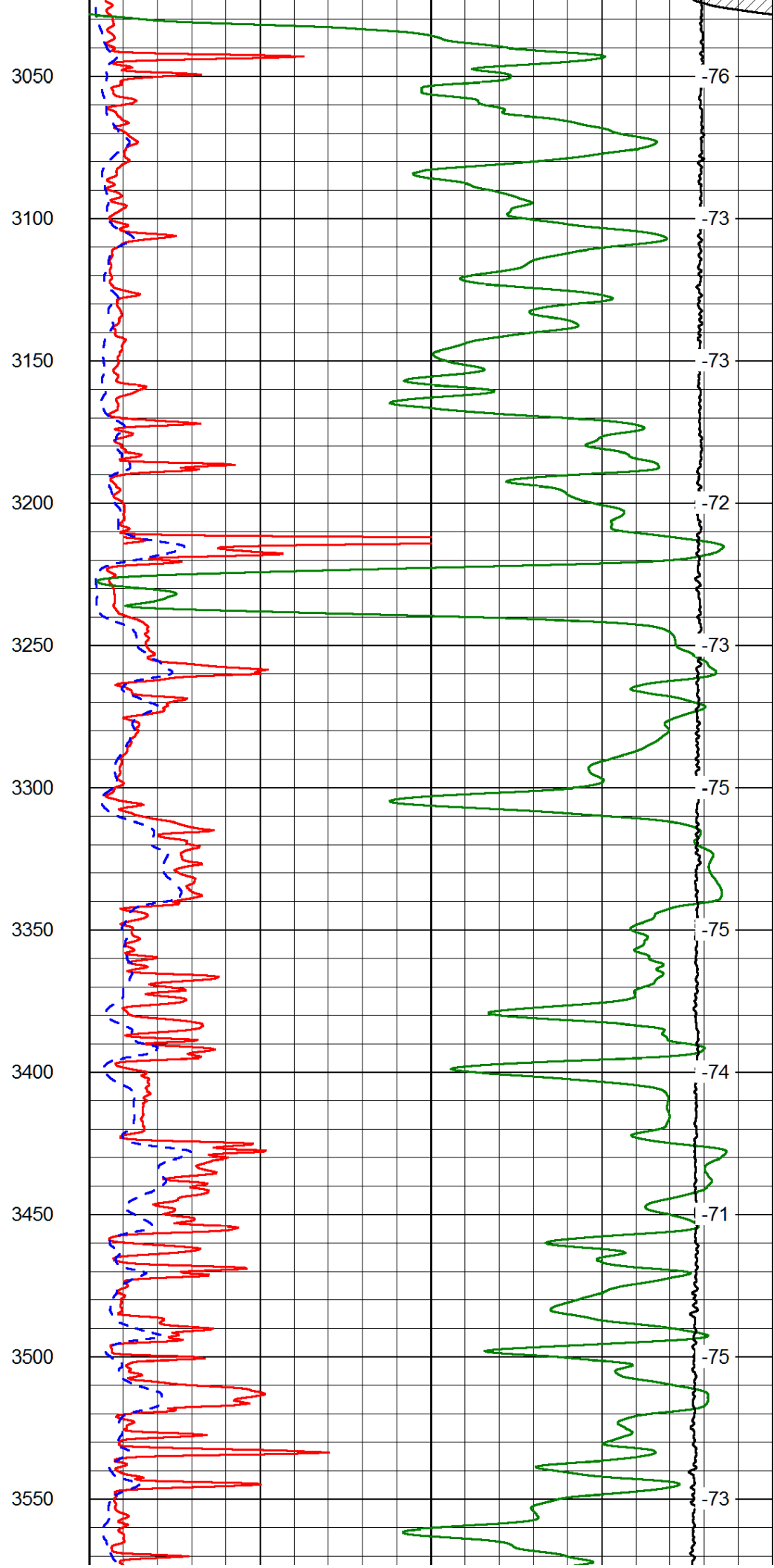
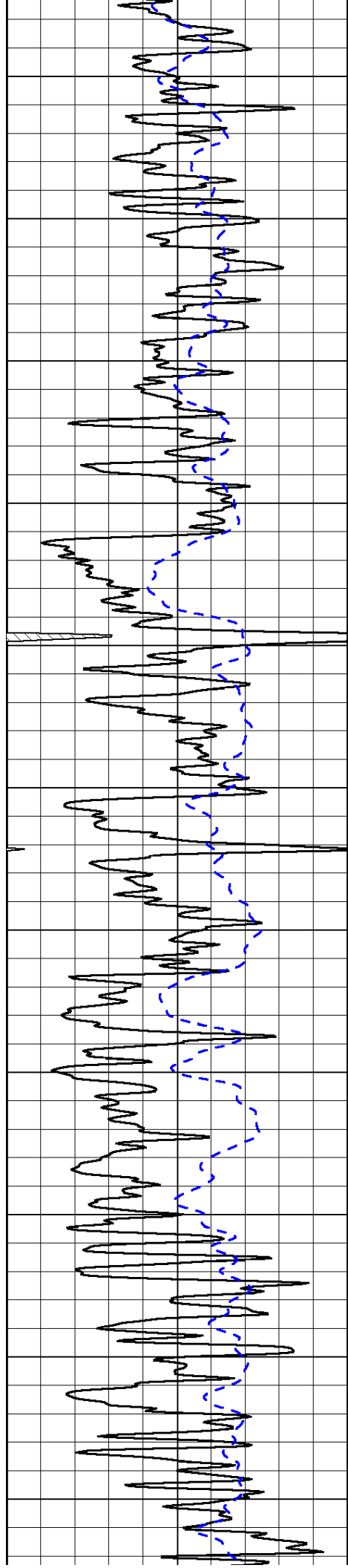


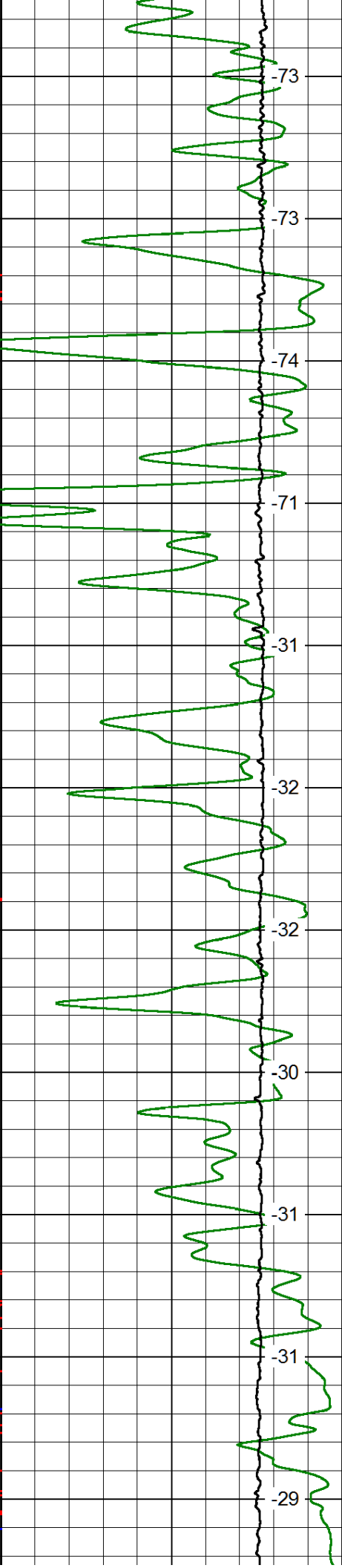
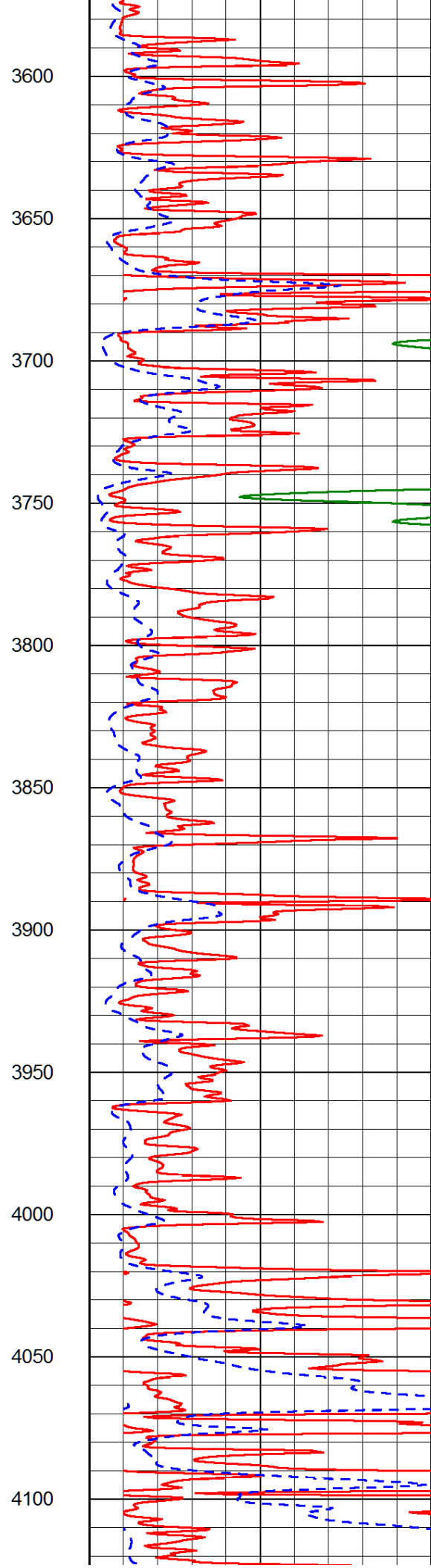
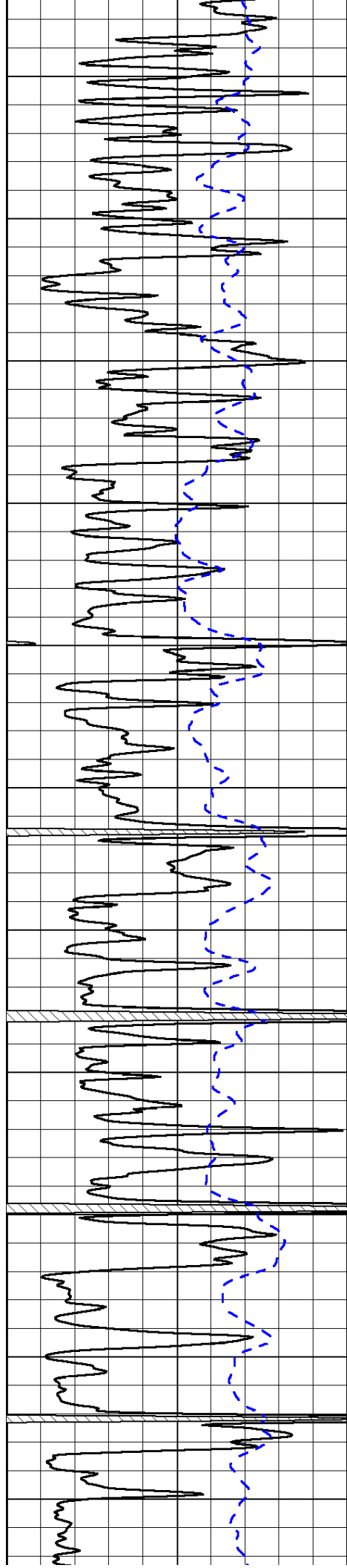


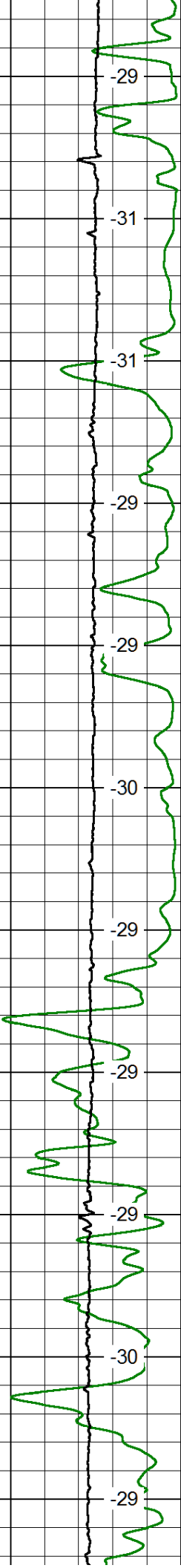
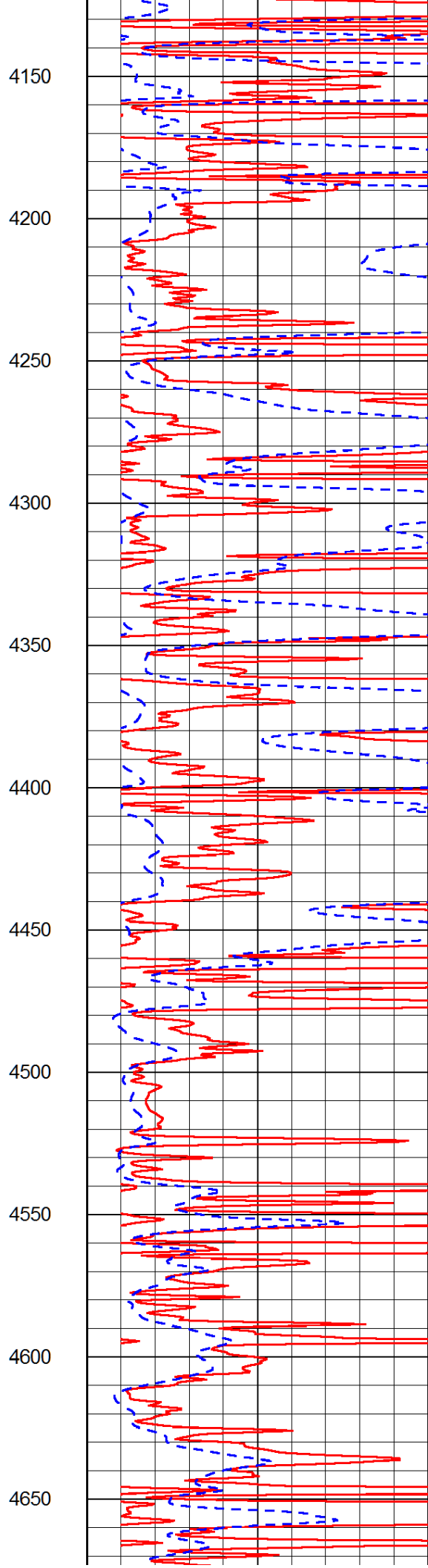
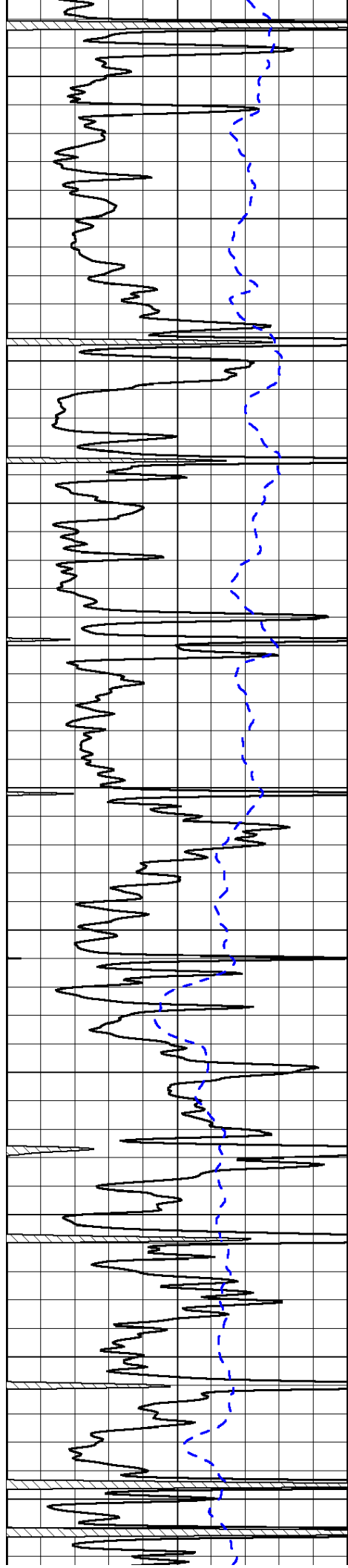


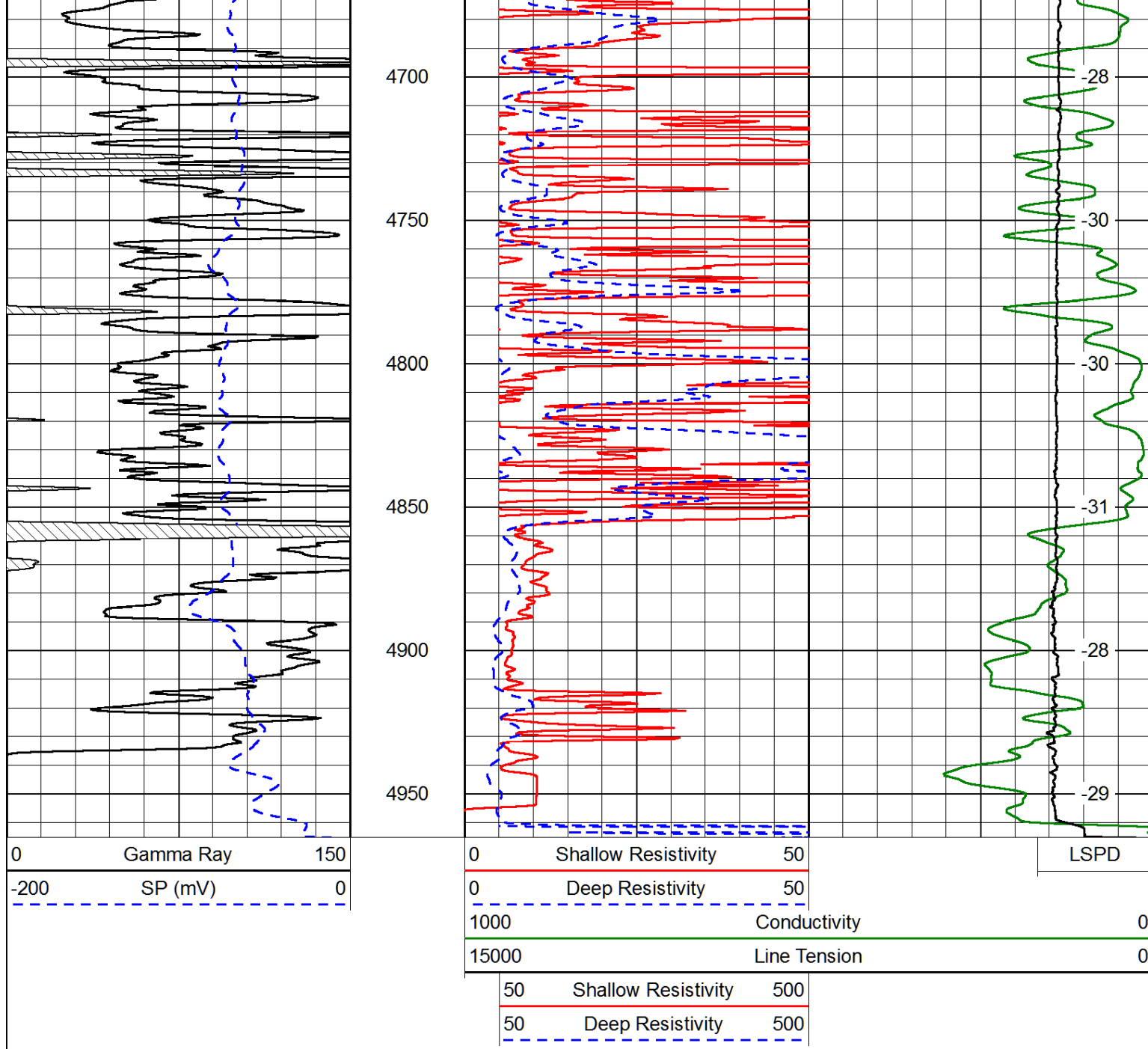




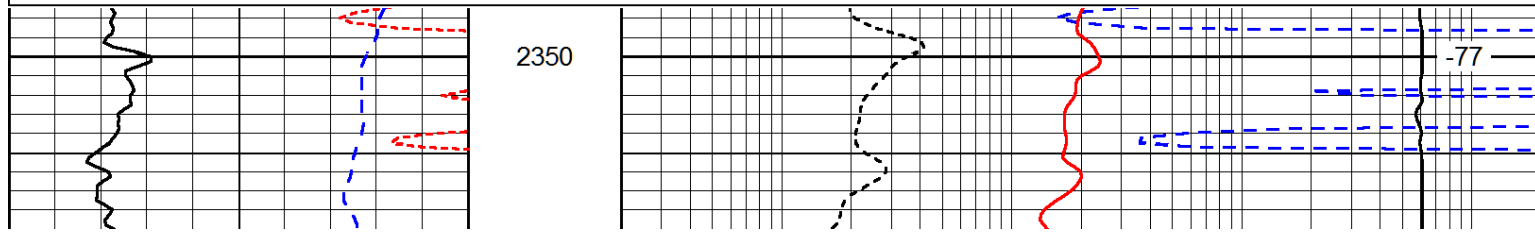
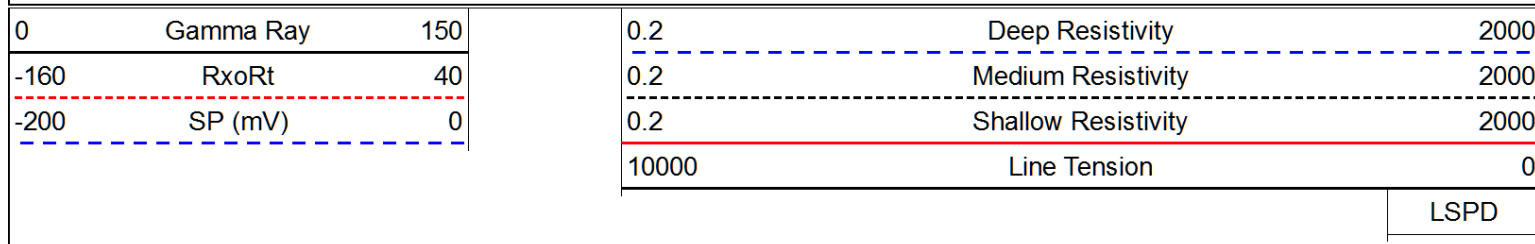


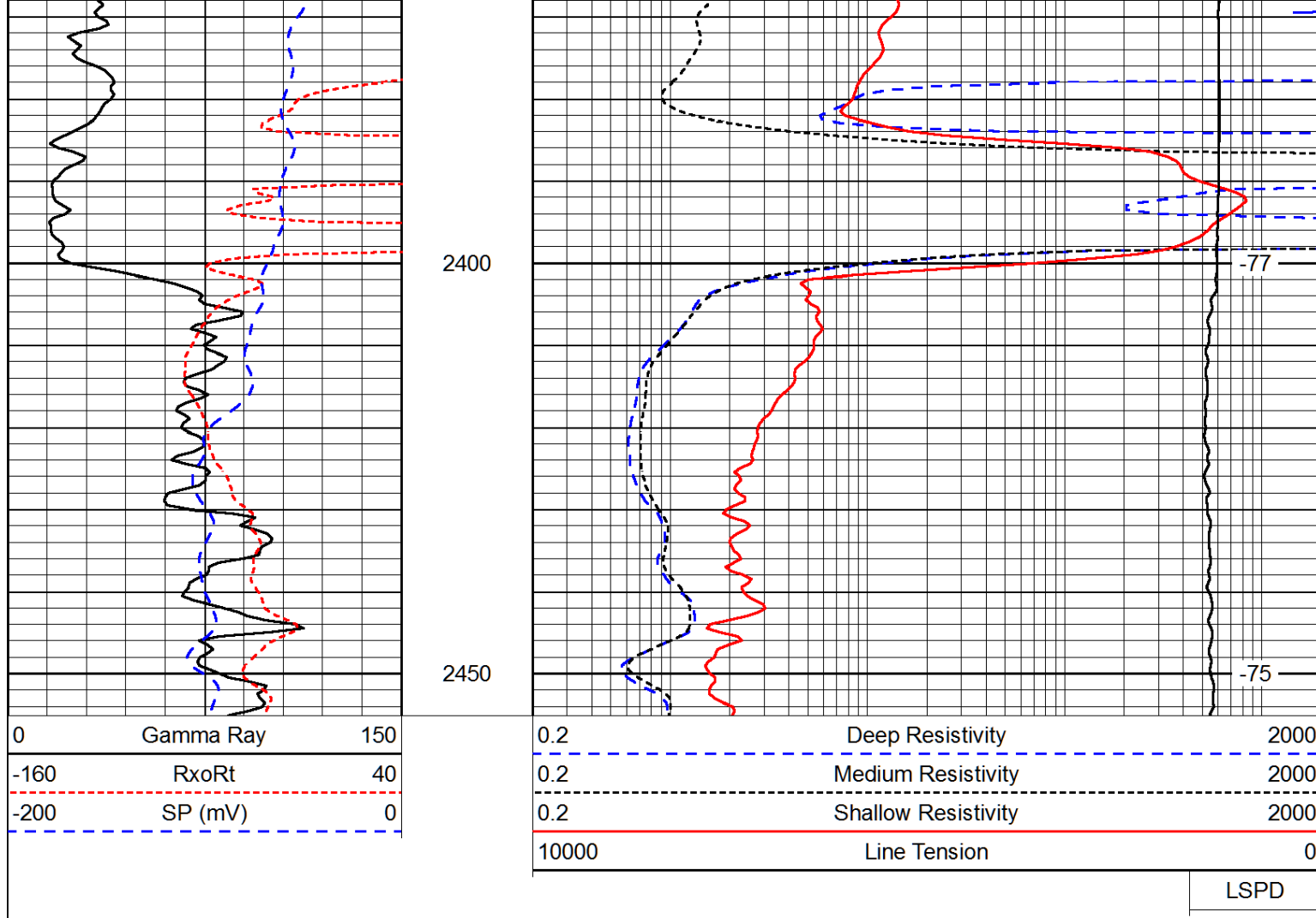




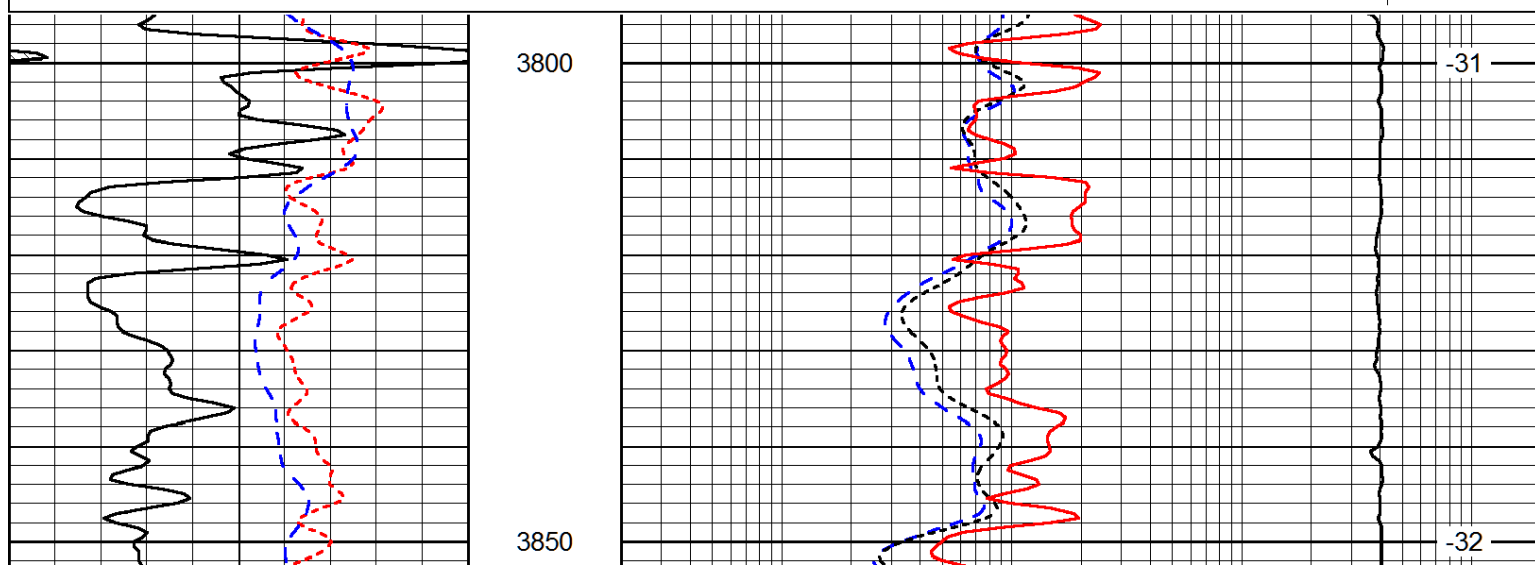
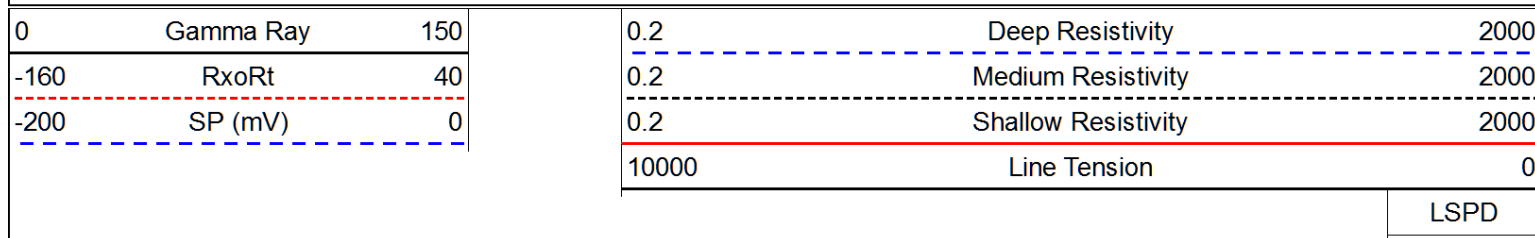


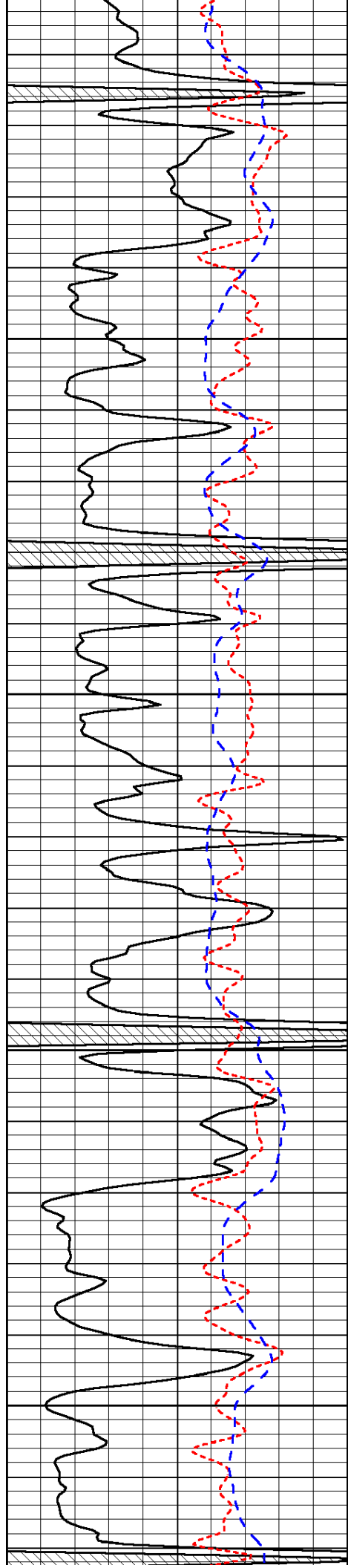
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 Presentation Format: dil
 Dataset Creation: Wed Dec 31 10:35:29 2014
 Charted by: Depth in Feet scaled 1:240





Database File: sdohd.db
Dataset Pathname: dil/sdostk
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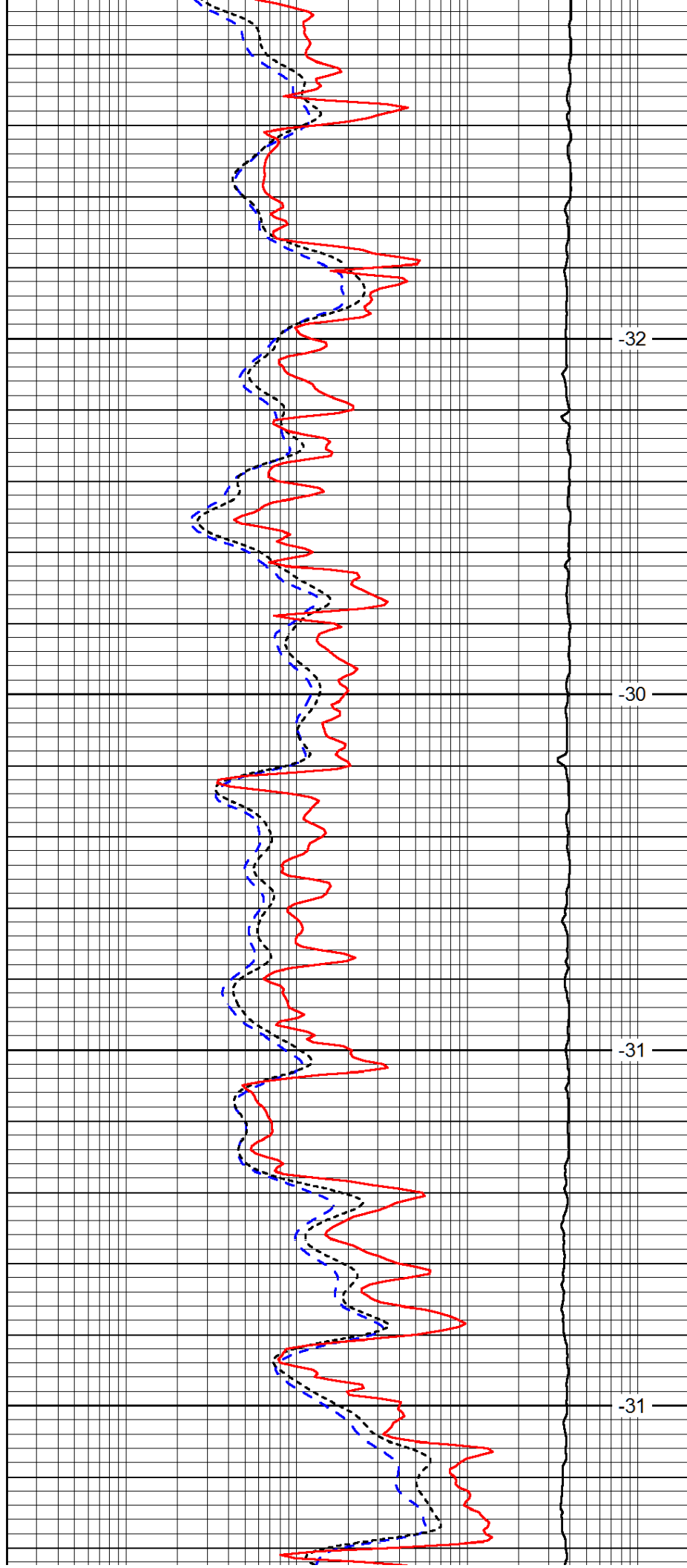


3900

3950

4000

4050

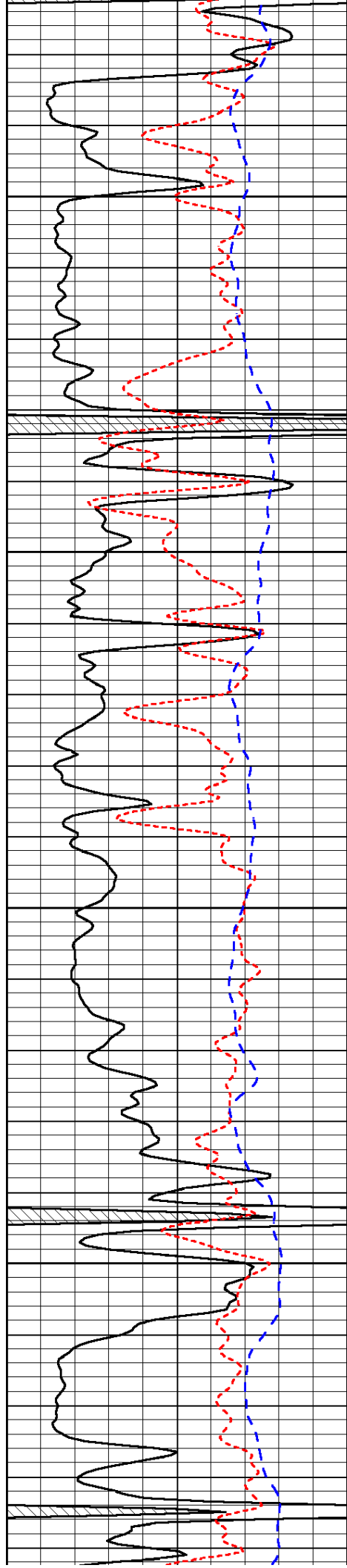


-32

-30

-31

-31

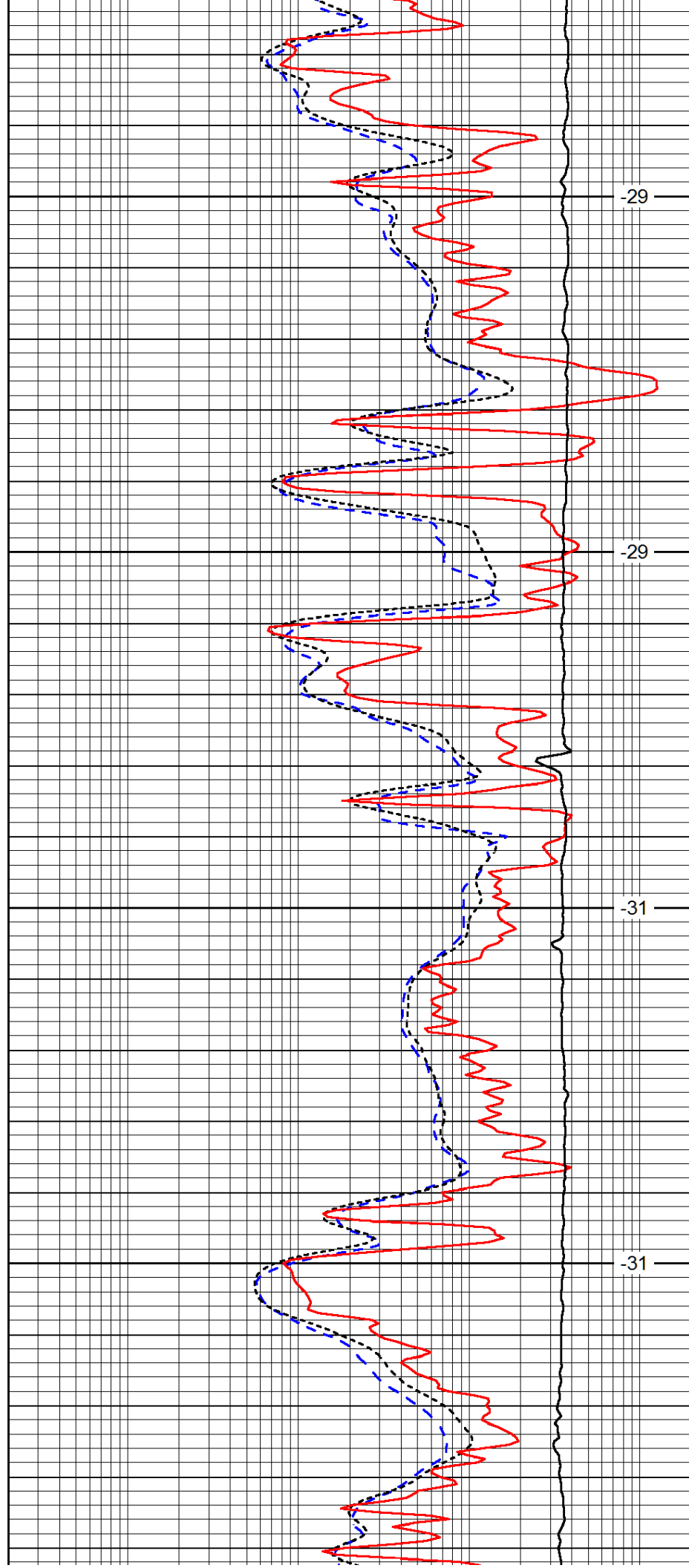


4100

4150

4200

4250

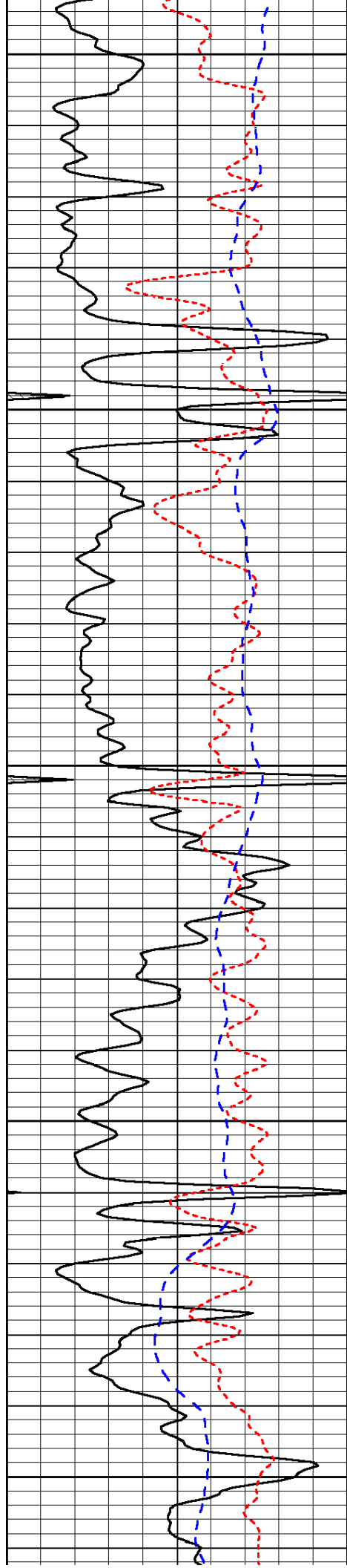


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-31

-31



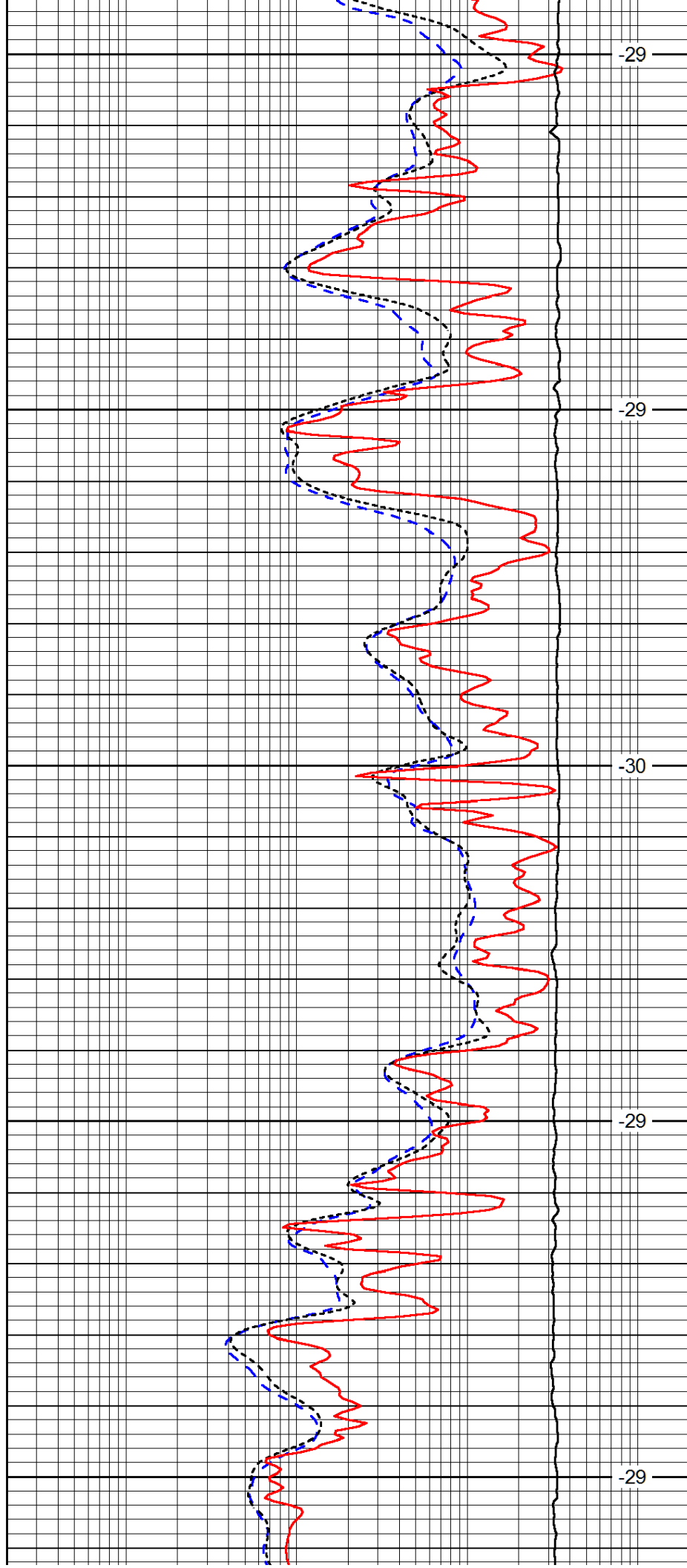
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4350

4400

4450

4500



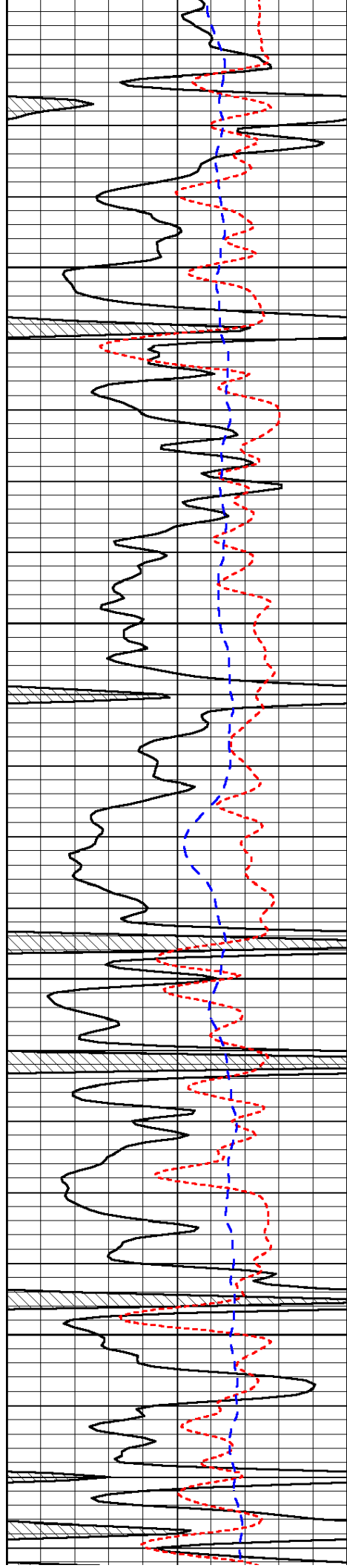
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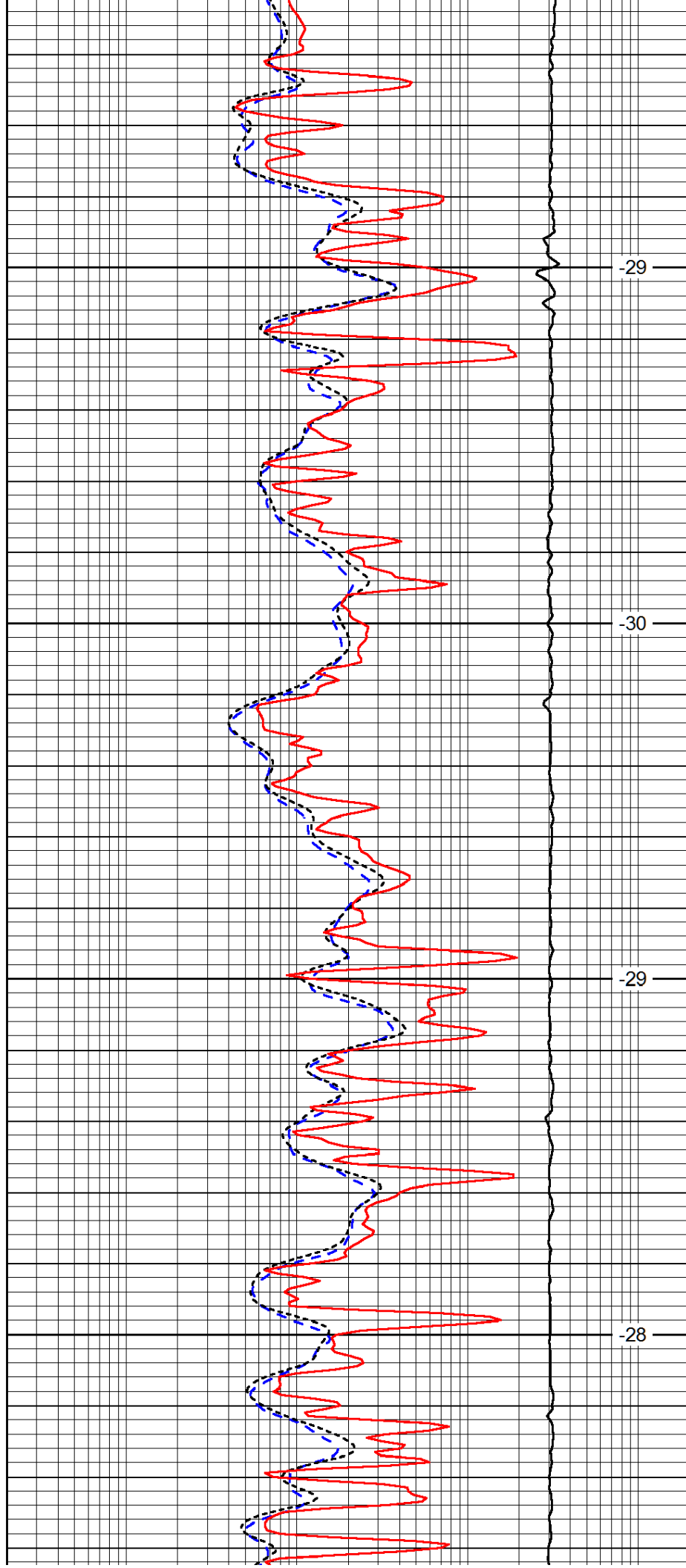


4550

4600

4650

4700

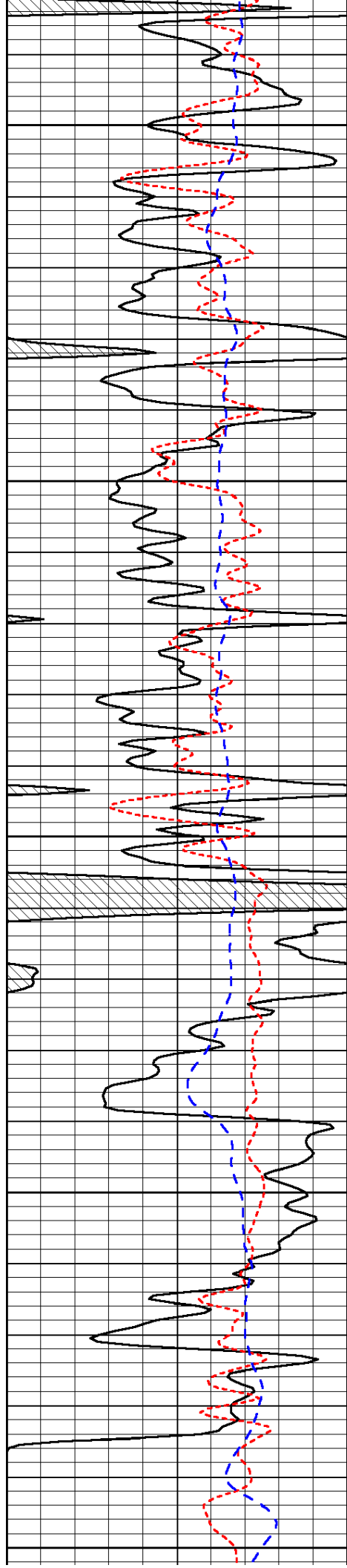


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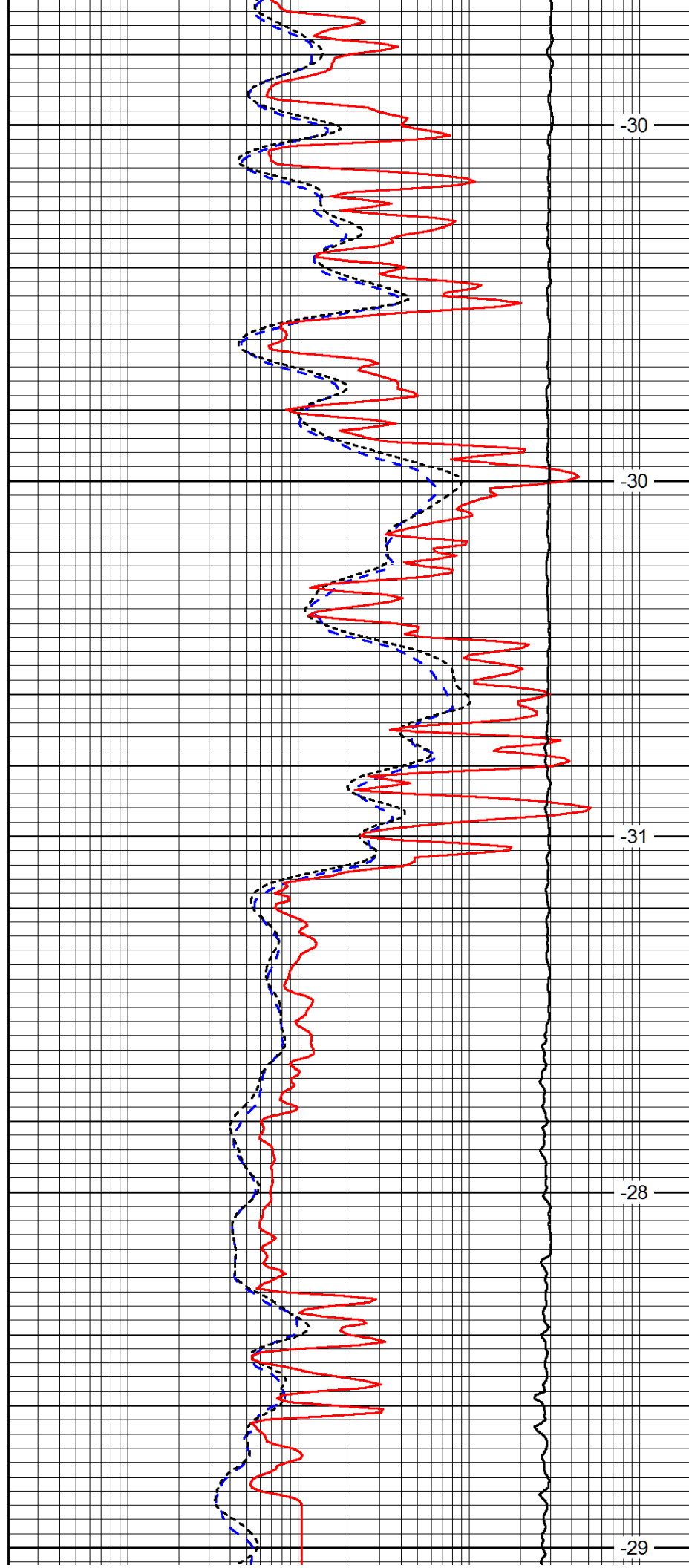
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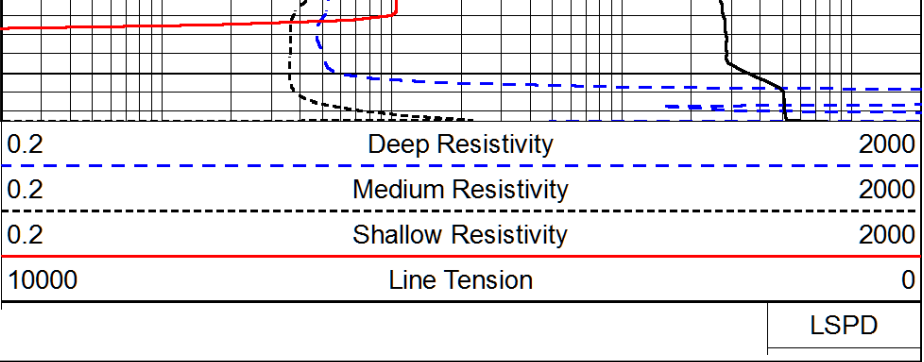
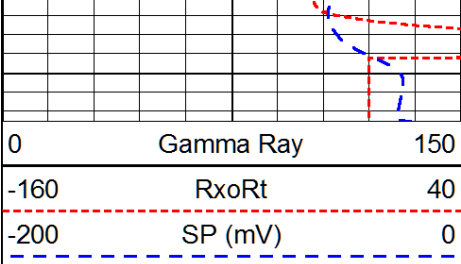
-28



4750
4800
4850
4900
4950



-30
-30
-31
-28
-29



LSPD