



DIGITAL LOG (785) 625-3858

Dual Induction Log

Company **Larson Engineering, Inc.**

Well **Leroy No.1-13**

Field **Wildcat**

County **Lane** State **Kansas**

Location **347' FSL & 1329' FEL**

Sec: **13** Twp: **19S** Rge: **29W**

Permanent Datum **Ground Level** Elevation **2804**

Log Measured From **Kelly Bushing** 7 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
MEL

Elevation
K.B. 2811
D.F. 2804
G.L. 2804

15-101-22,368-00-00

Date **5/15/2012**

Run Number **One**

Depth Driller **4709**

Depth Logger **4710**

Bottom Logged Interval **4709**

Top Log Interval **250**

Casing Driller **8.625 @ 259**

Casing Logger **252**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **2.800**

Density / Viscosity **9.5 85**

pH / Fluid Loss **10.0 8.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **.85 @ 71**

Rmf @ Meas. Temp **.64 @ 71**

Rmc @ Meas. Temp **1.15 @ 71**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.49 @ 123**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **123**

Equipment Number **17**

Location **Hays**

Recorded By **C. Desaire**

Witnessed By **Bob Lewellyn**

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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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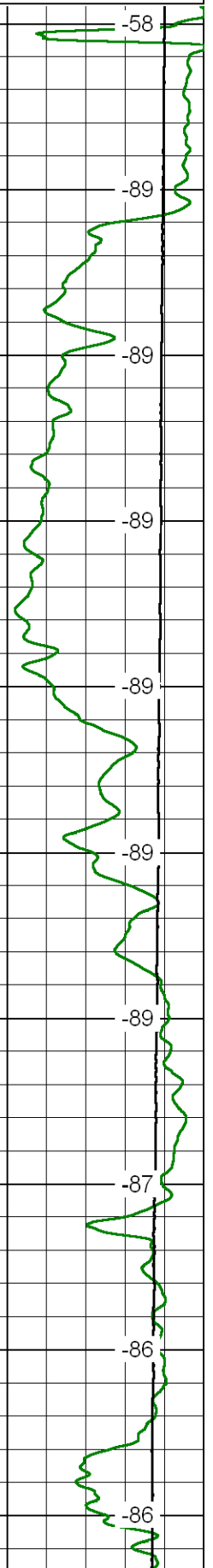
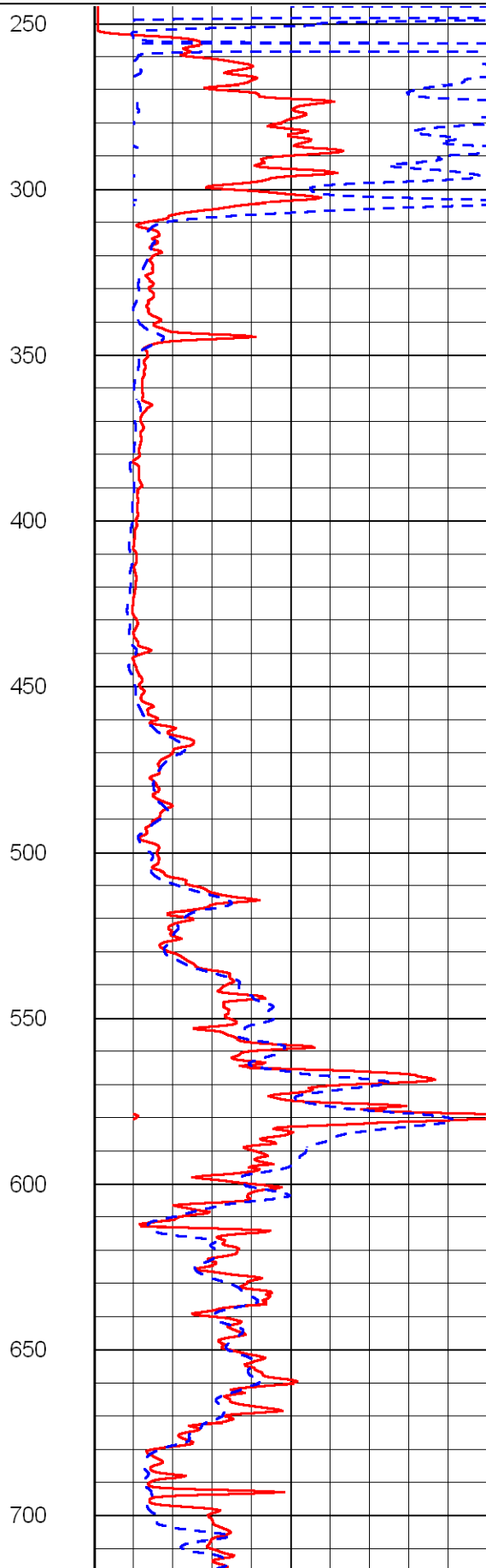
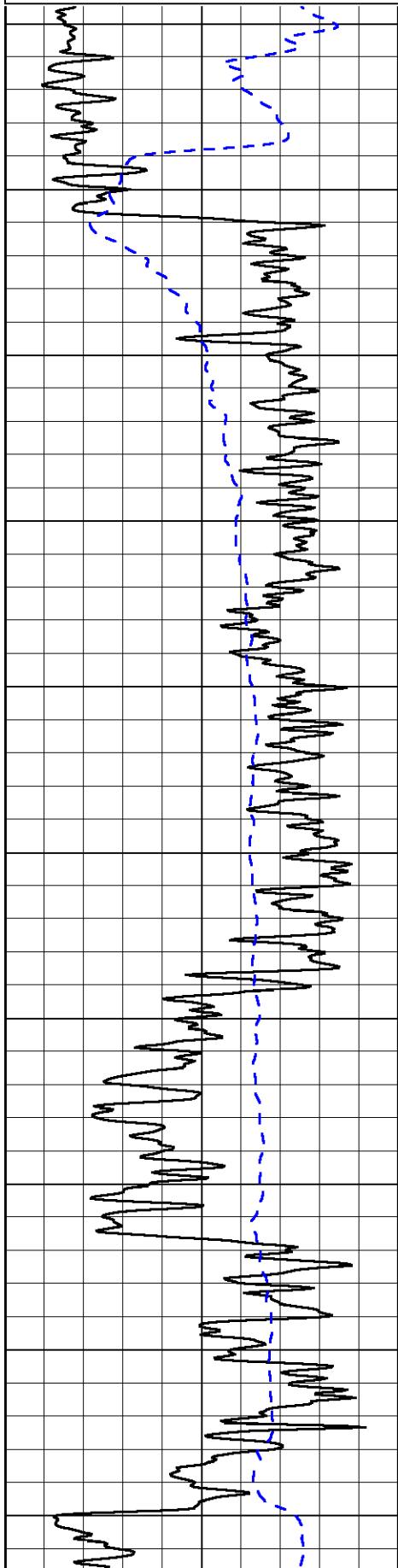
Dighton KS,
6 S to Rd 90, 1/4 W, N Into

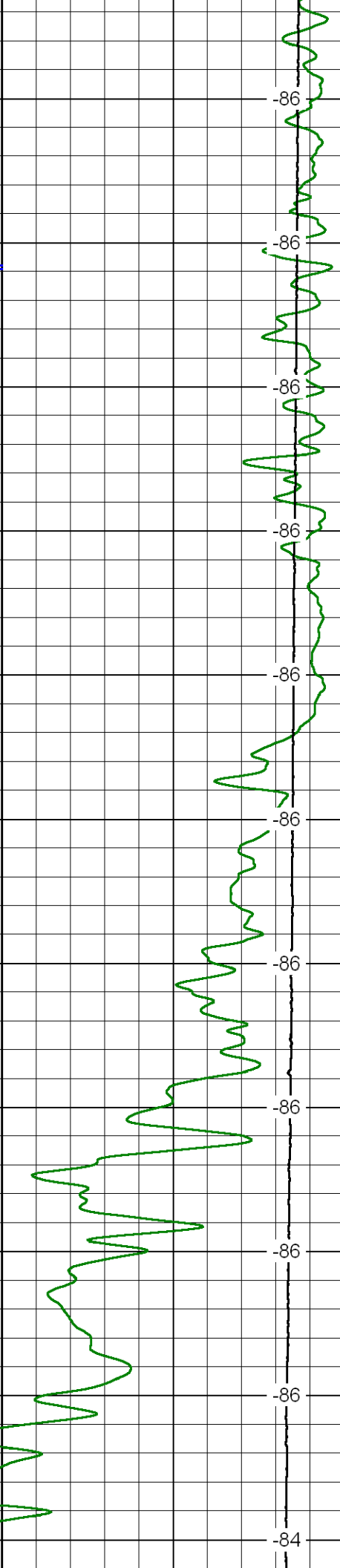
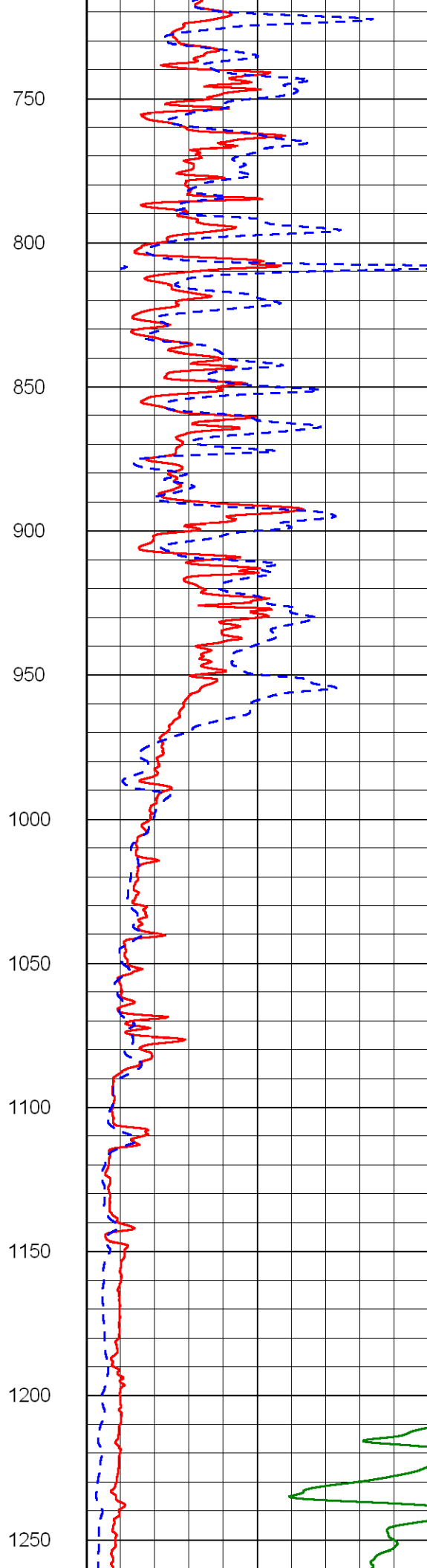
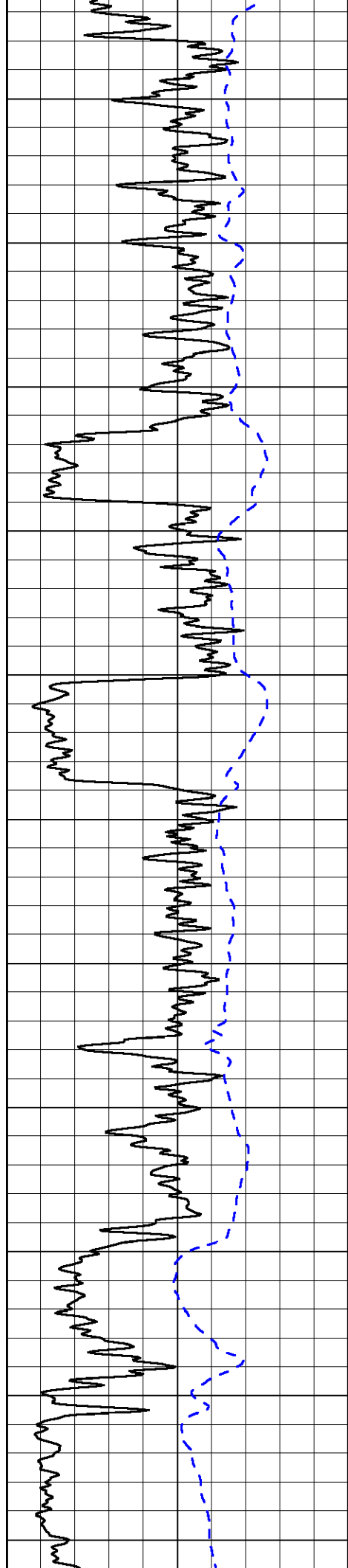
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Dataset Pathname: **dil/larstk**
Presentation Format: **dil2in**
Dataset Creation: **Wed May 16 01:38:34 2012**
Charted by: **Depth in Feet scaled 1:600**

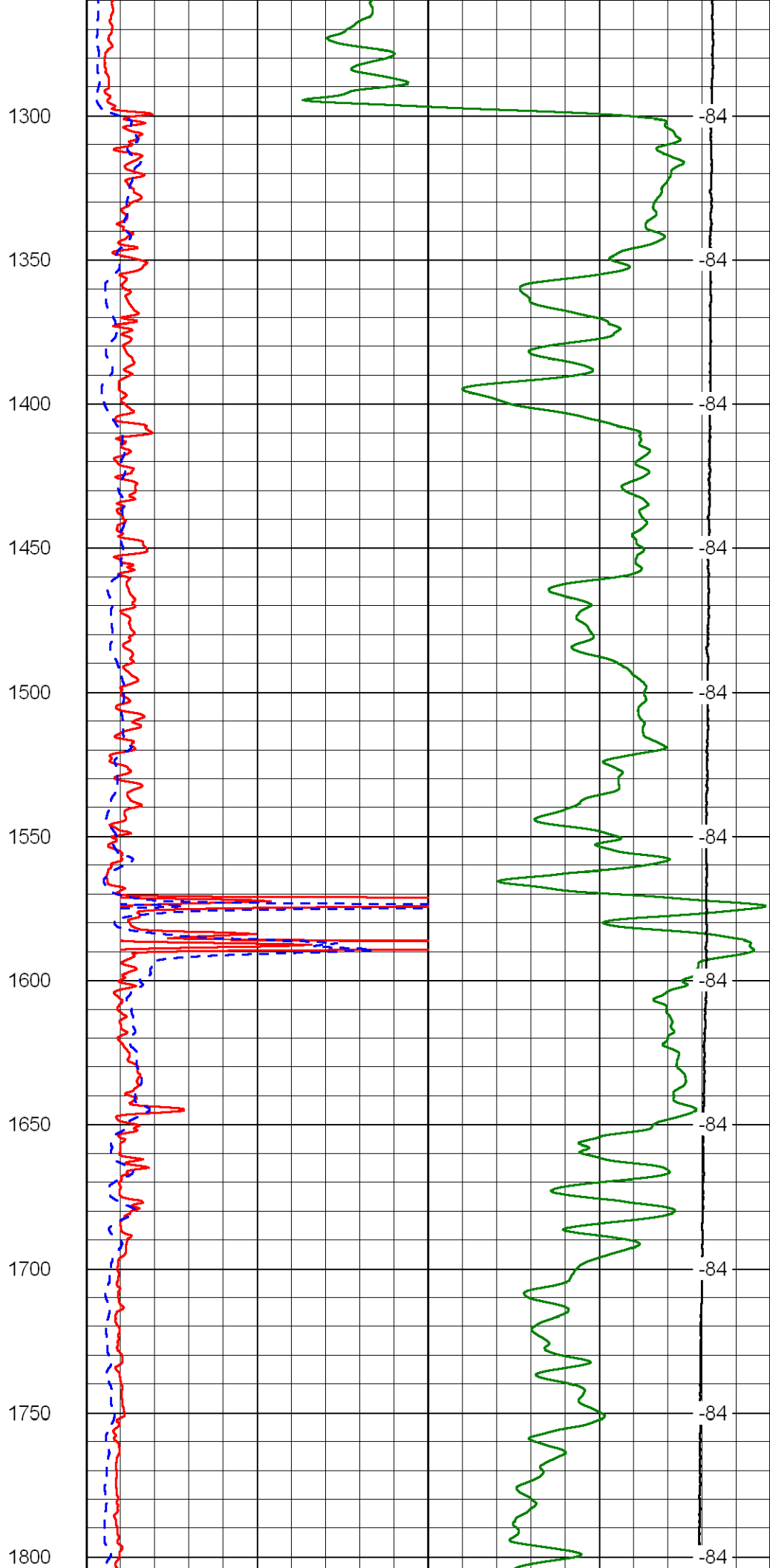
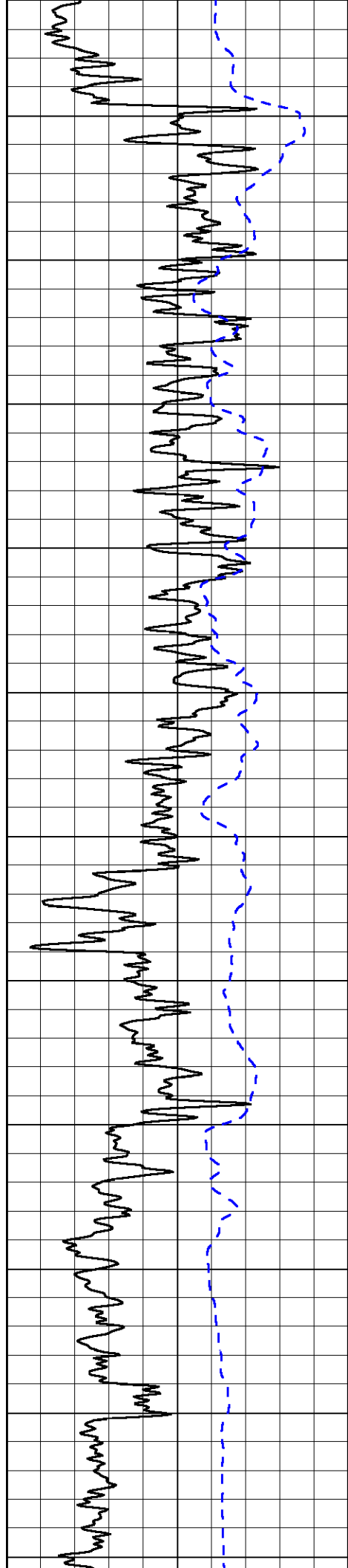
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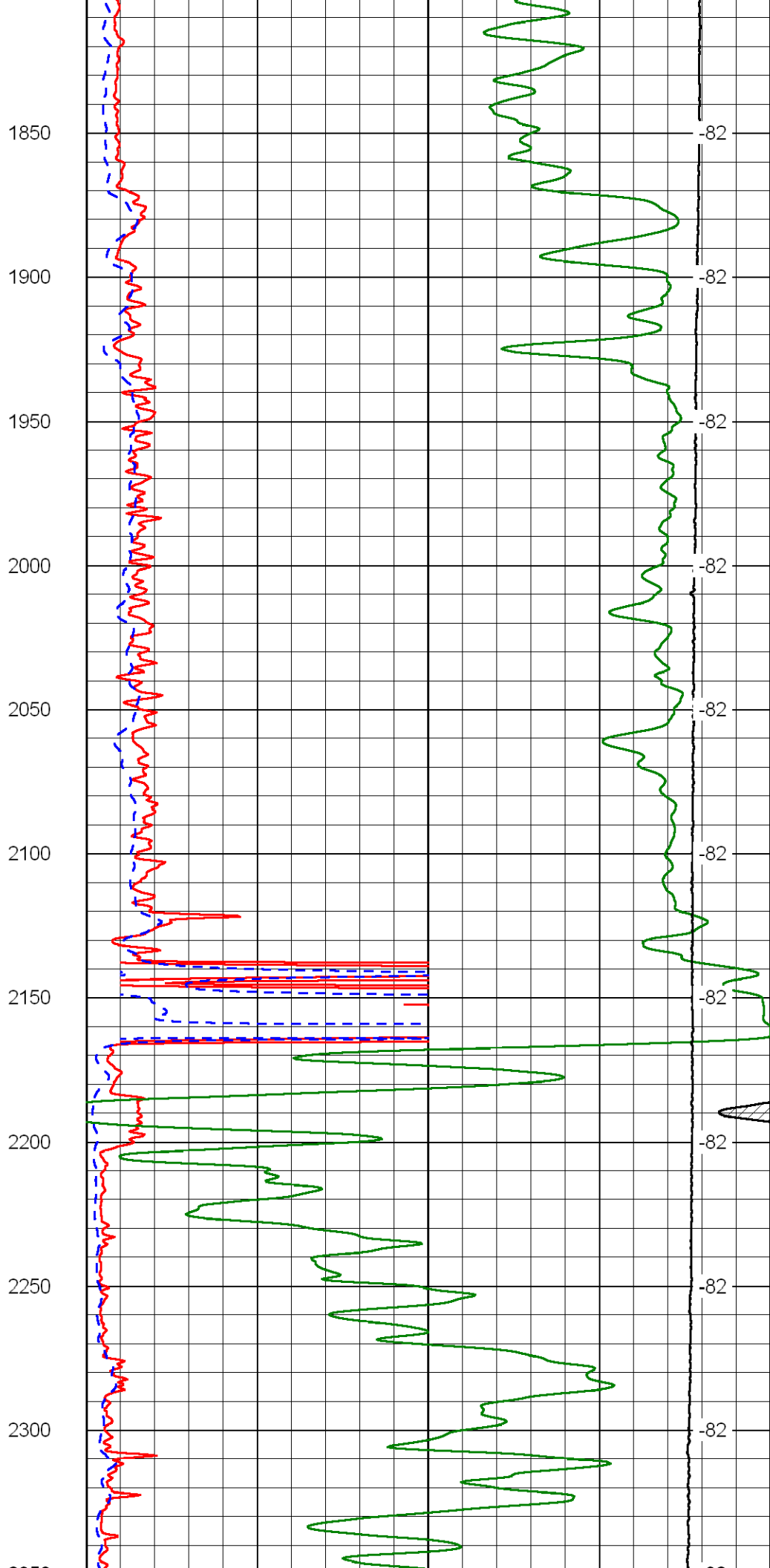
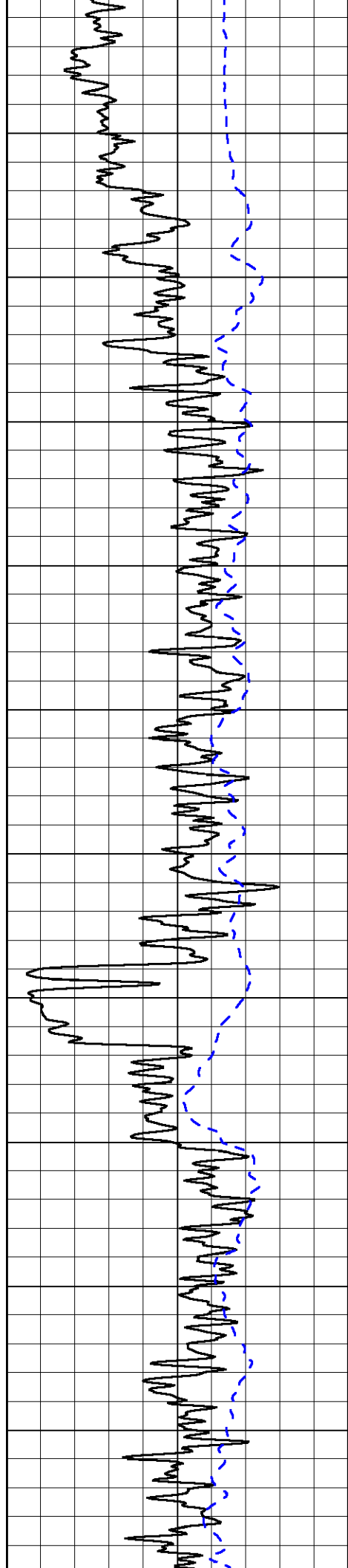
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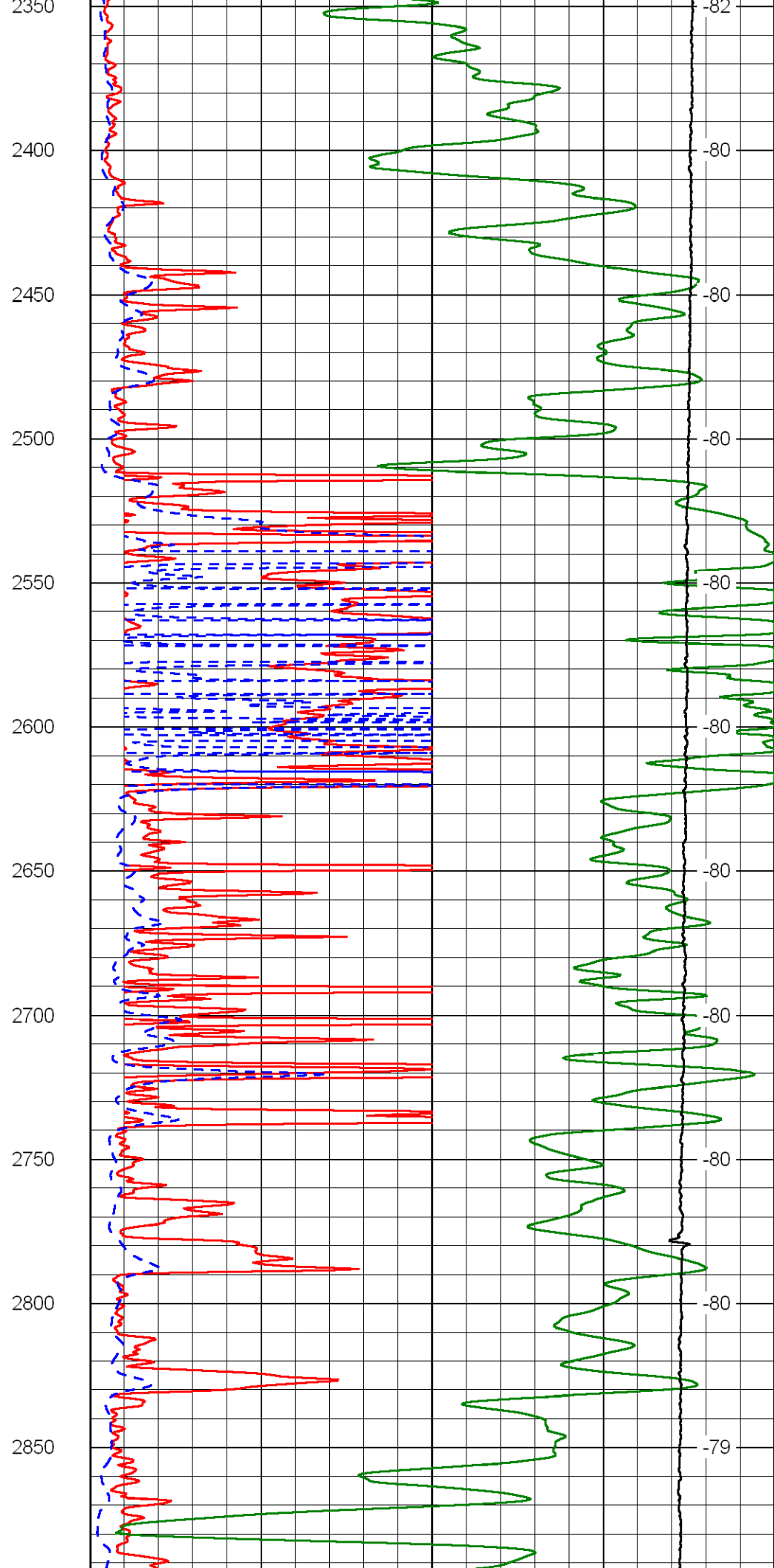
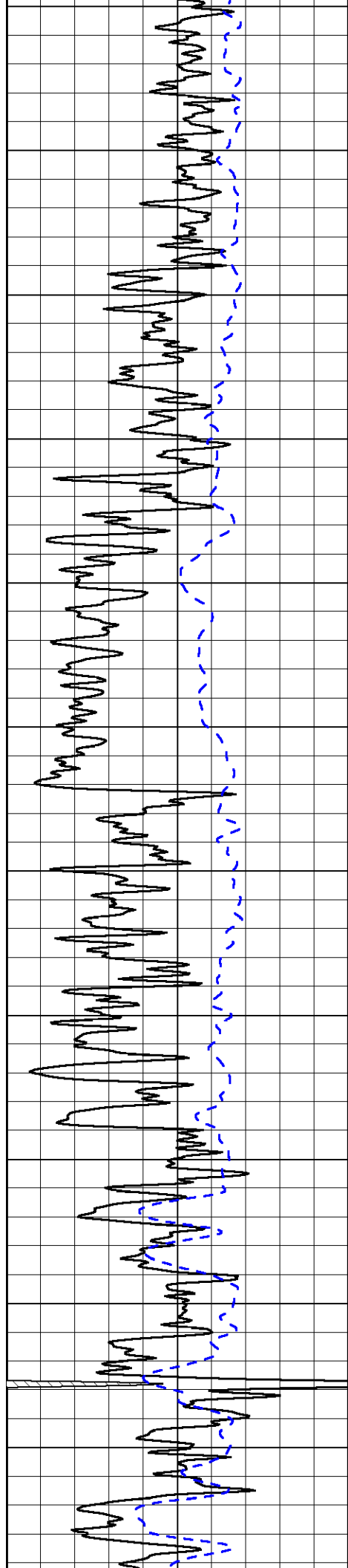
LSPD

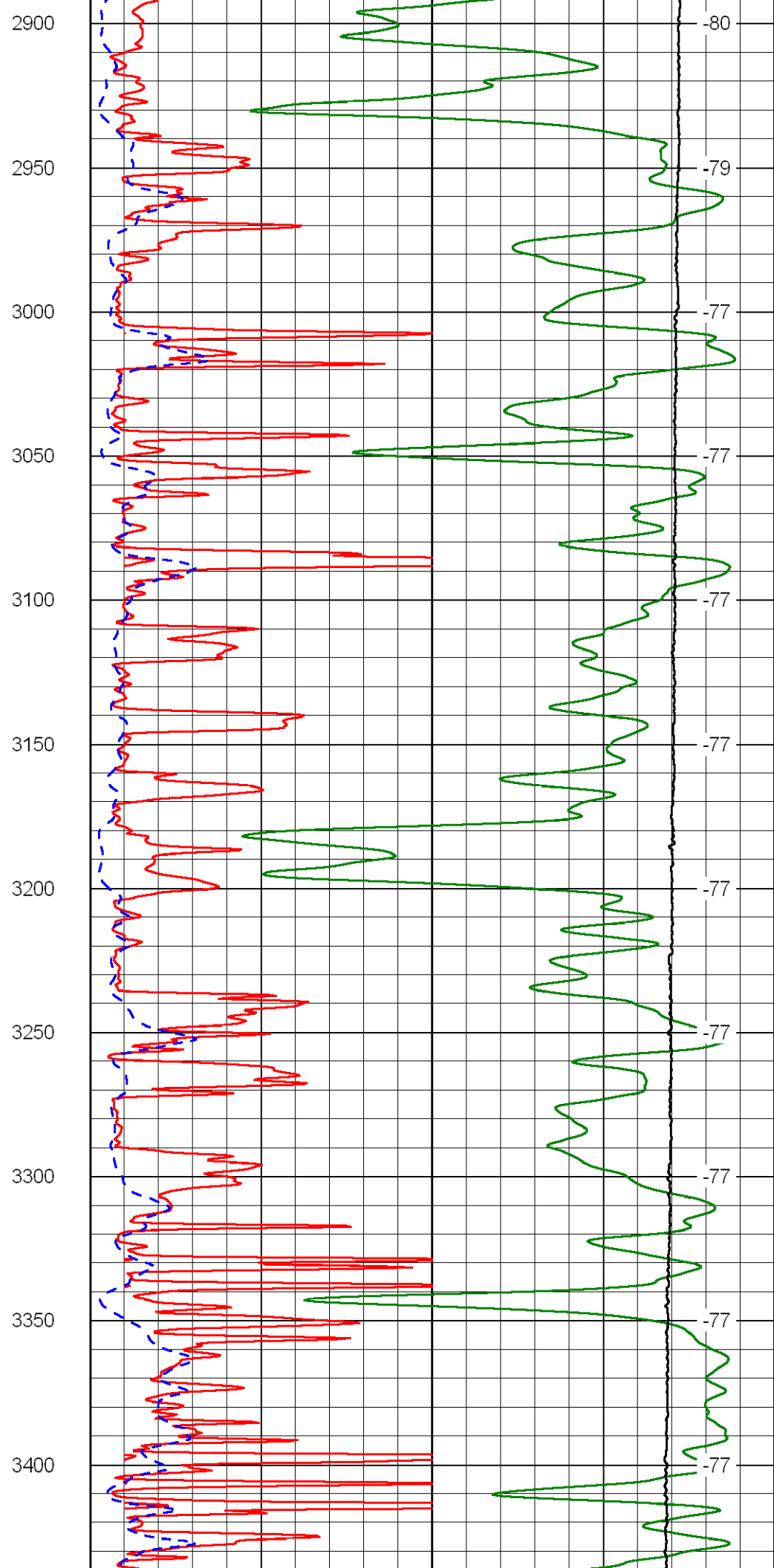
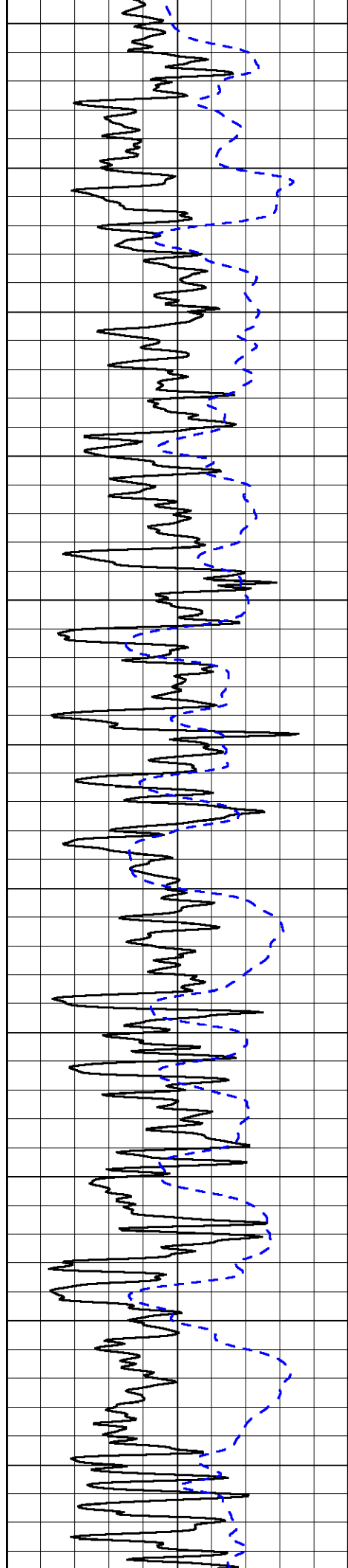


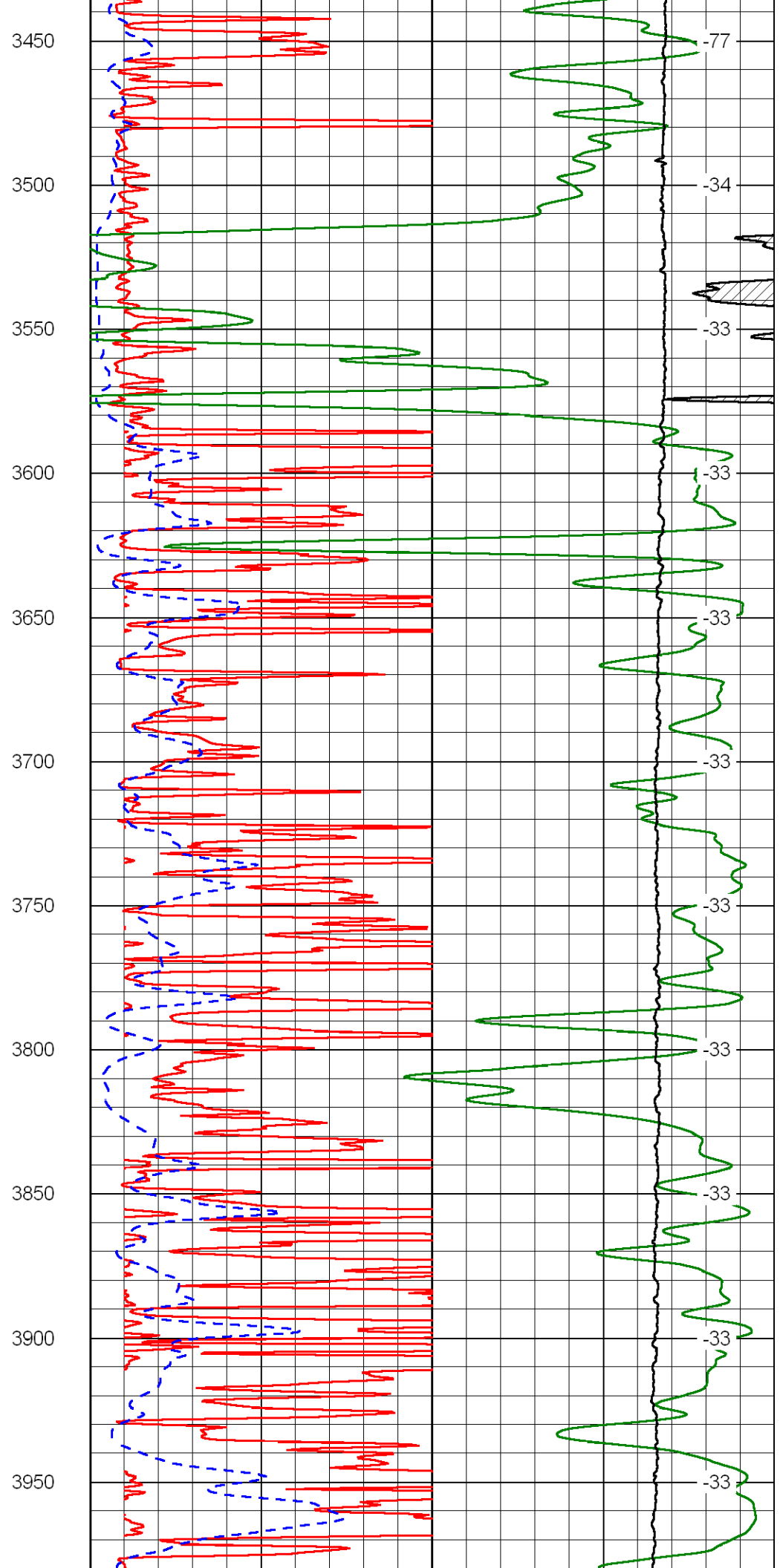
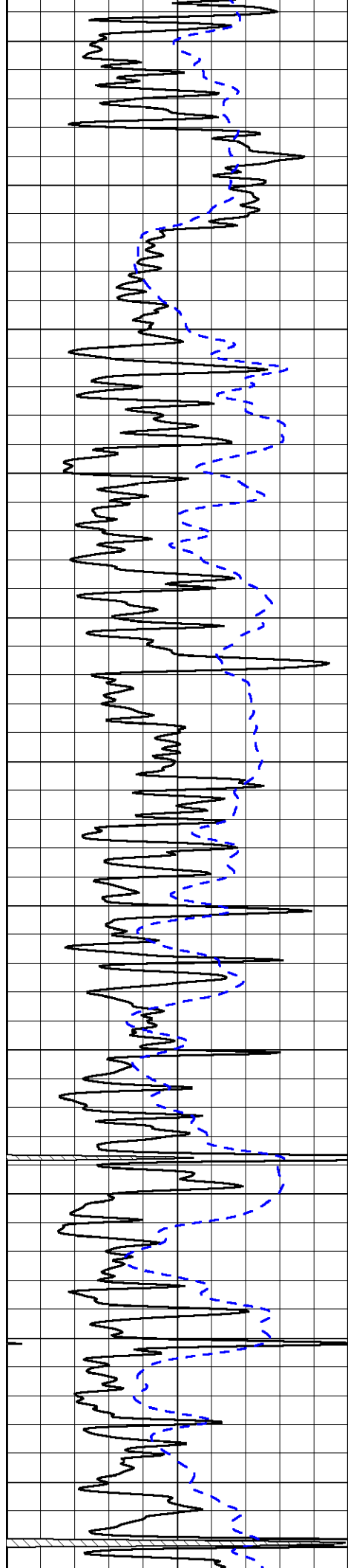


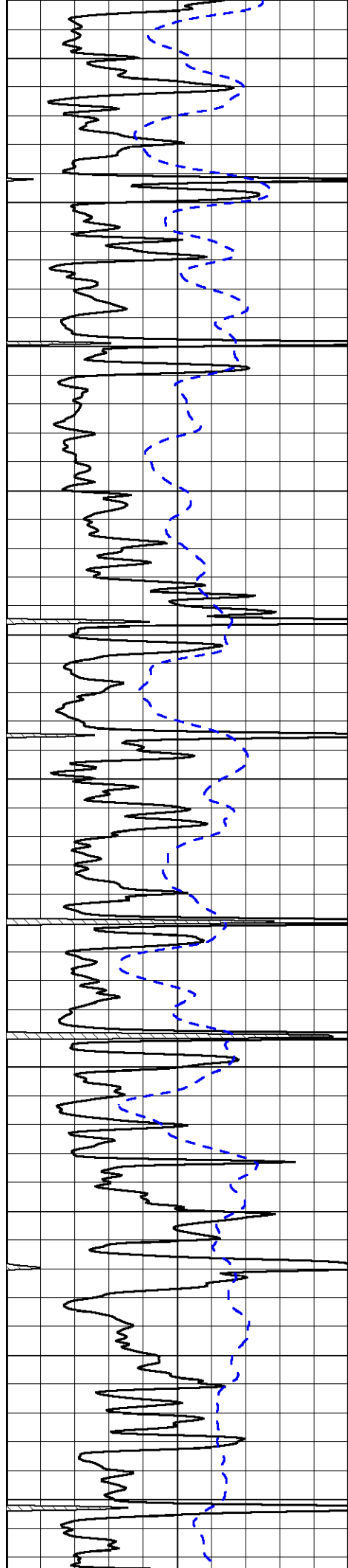












4000

4050

4100

4150

4200

4250

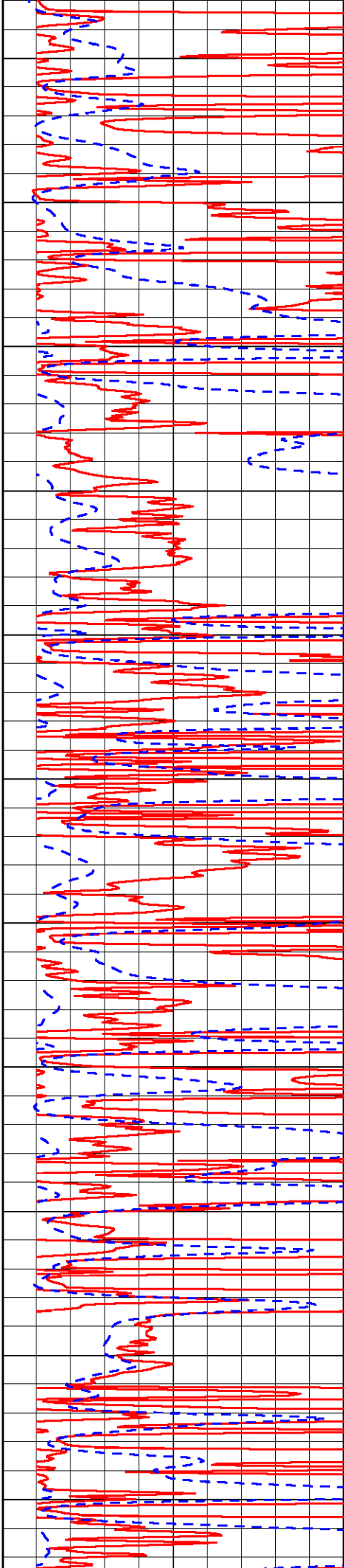
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4450

4500



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-33

-32

-32

-32

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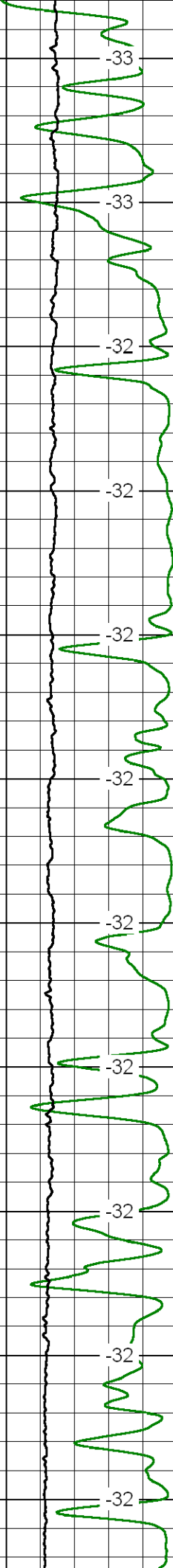
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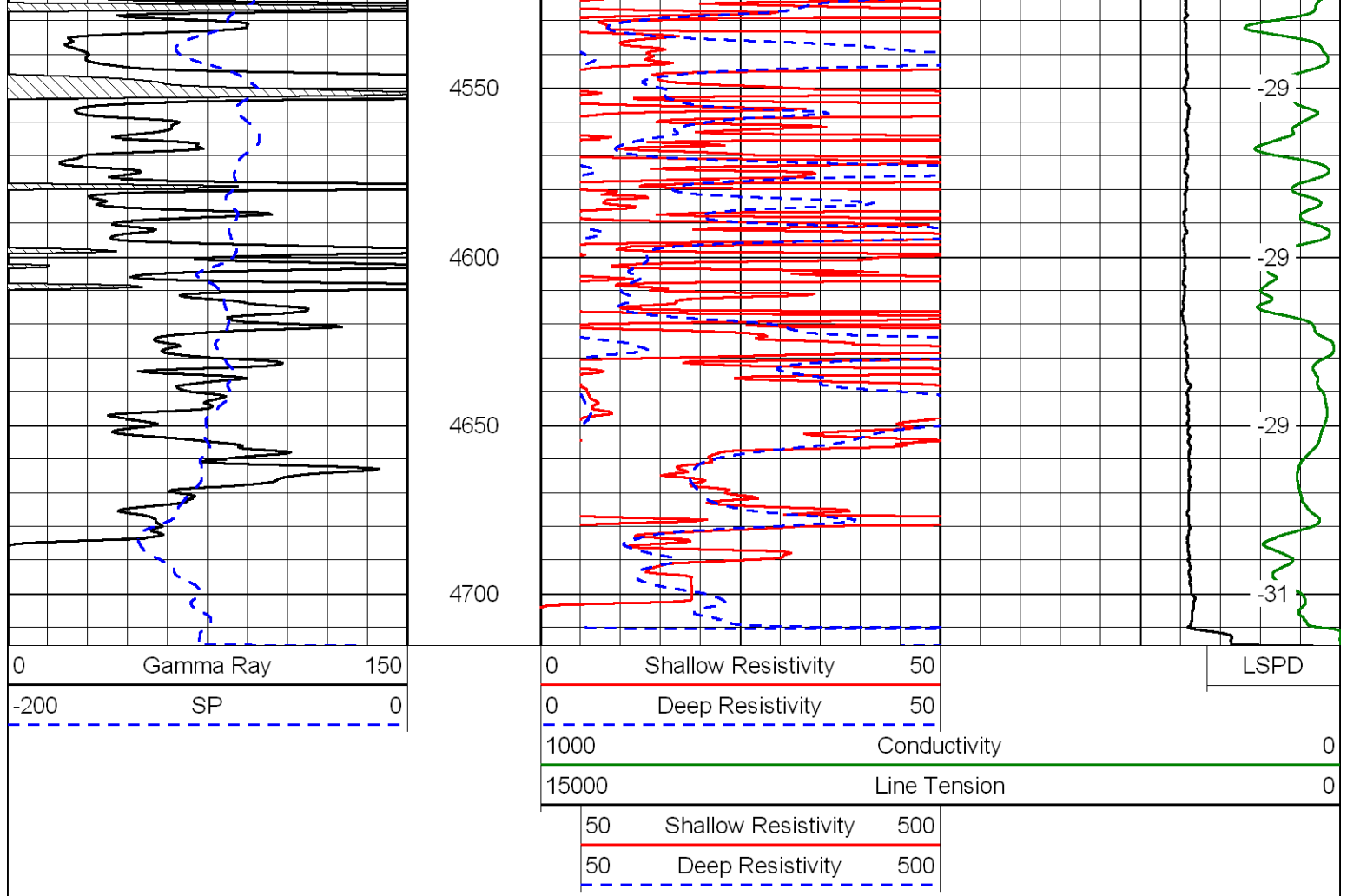
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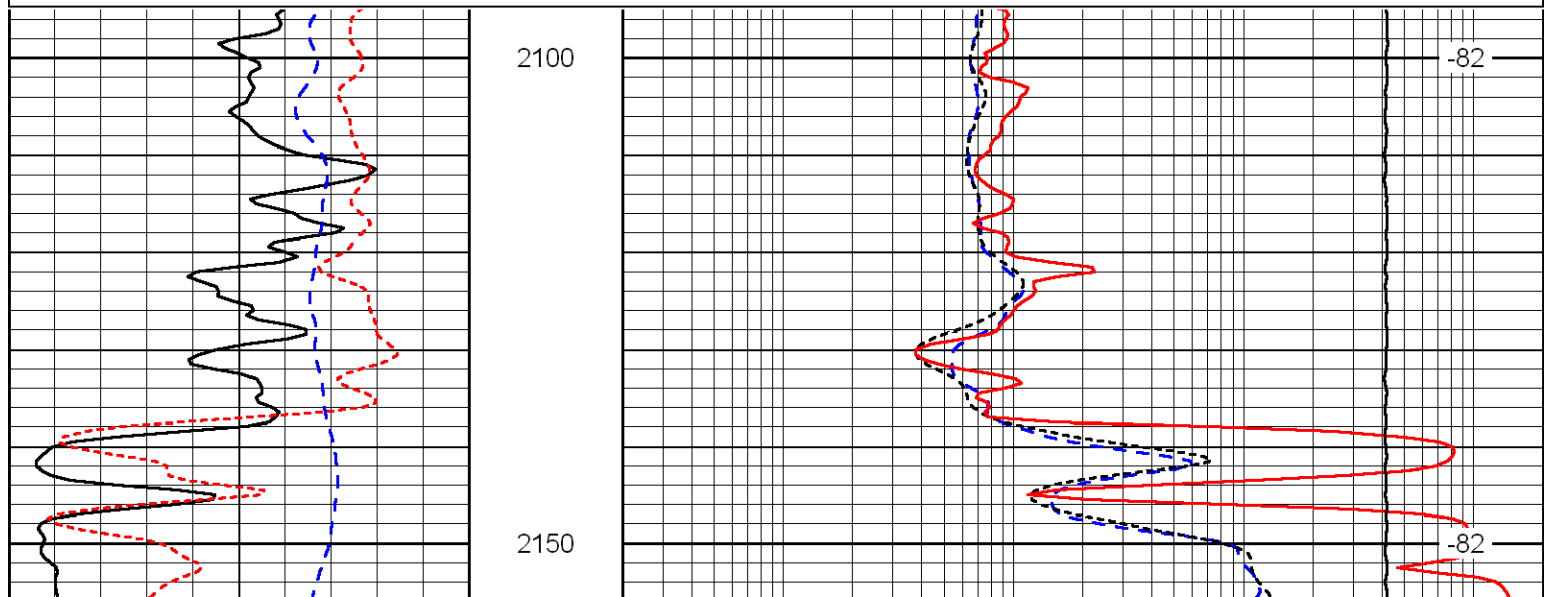
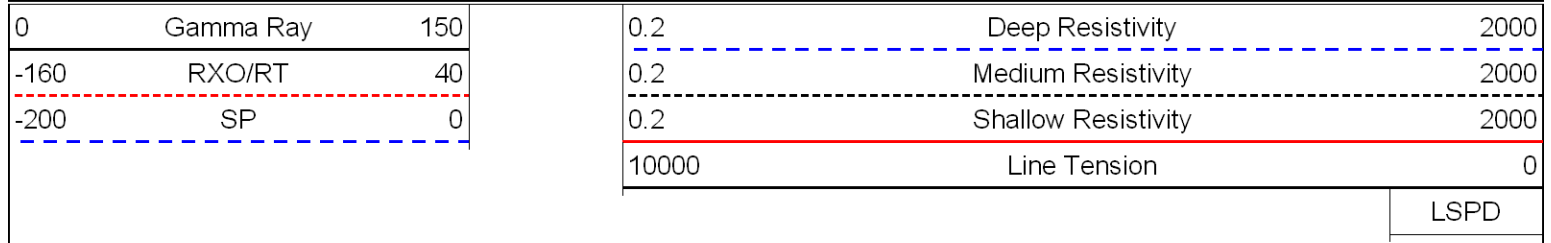
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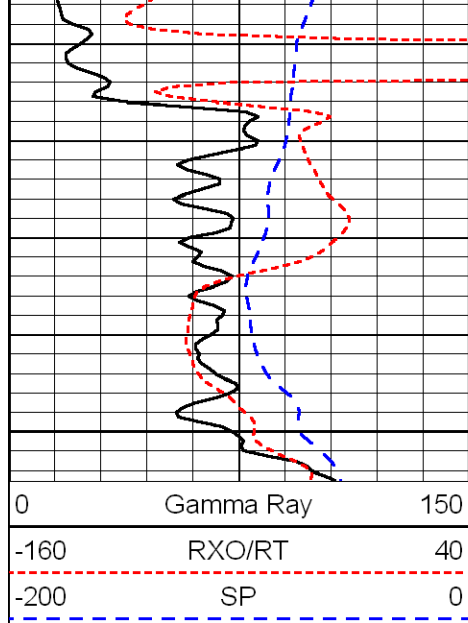
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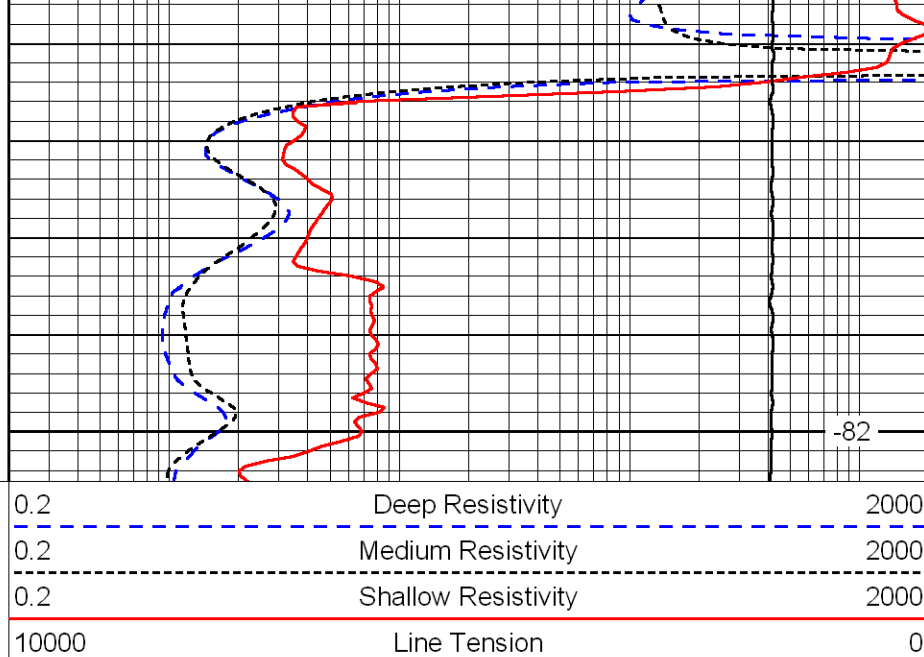


Database File: larsonhd.db
 Dataset Pathname: dil/larstk
 Presentation Format: dil
 Dataset Creation: Wed May 16 01:38:34 2012
 Charted by: Depth in Feet scaled 1:240



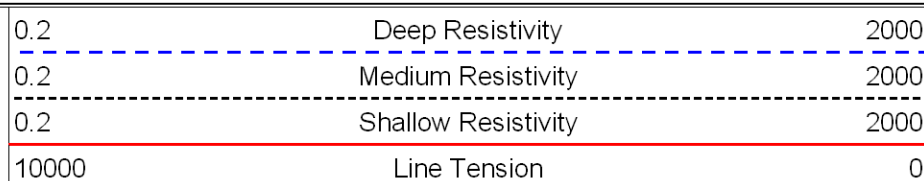
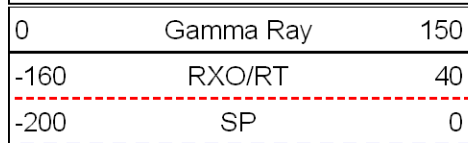


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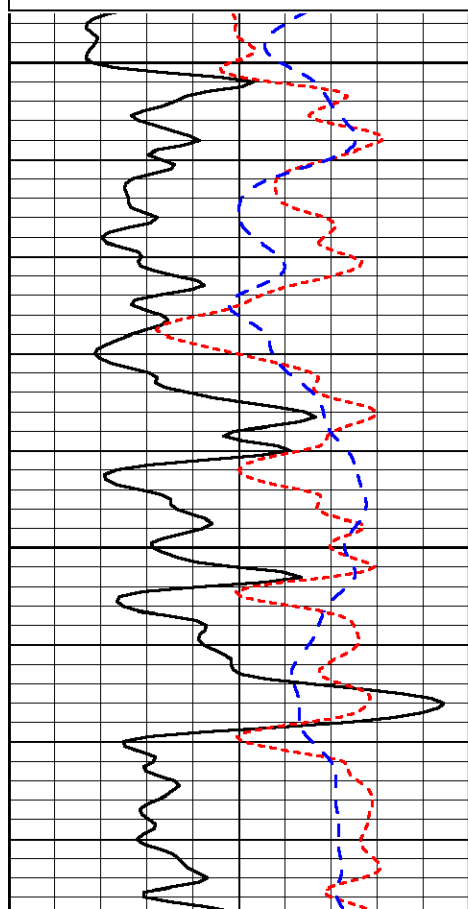


LSPD

Database File: larsonhd.db
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 Dataset Creation: Wed May 16 01:38:34 2012
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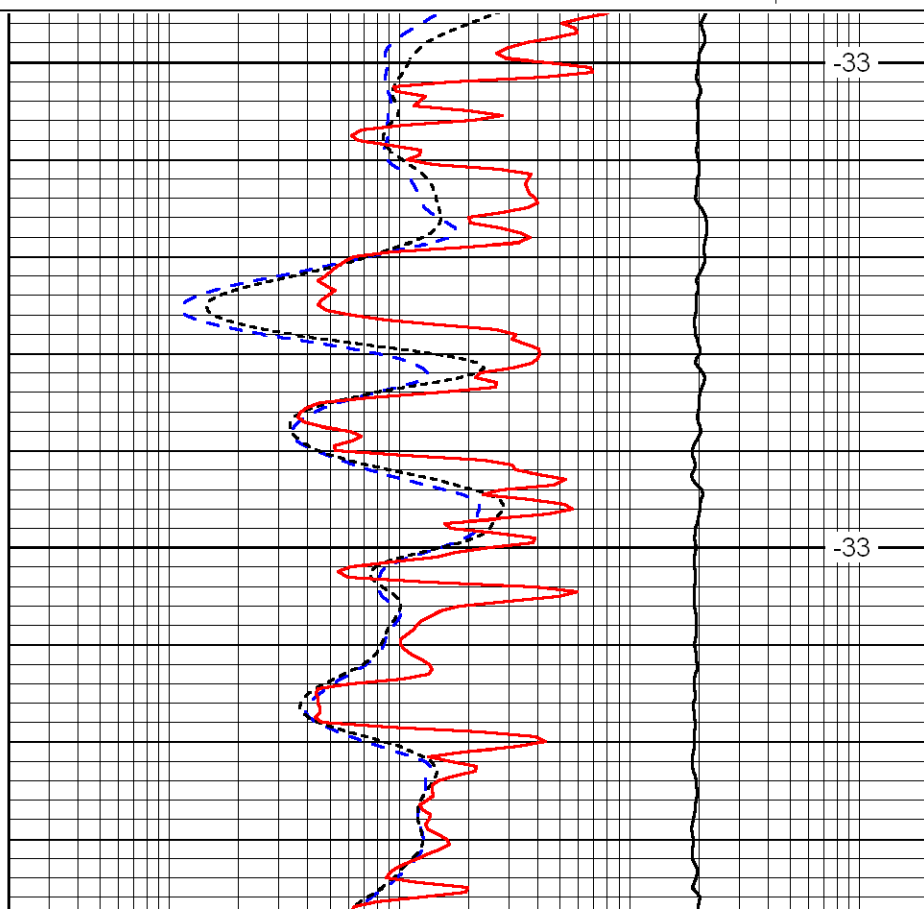


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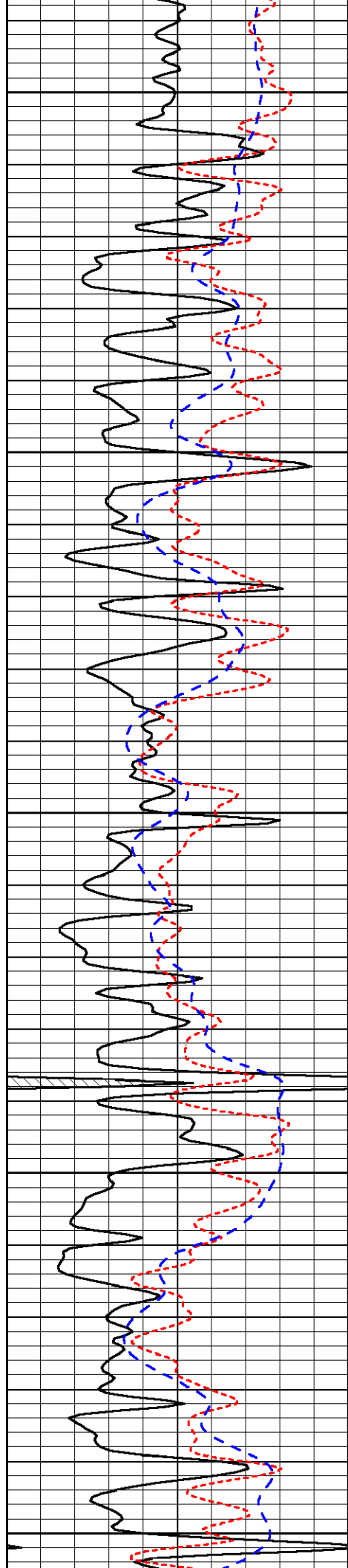
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3650



-33

-33



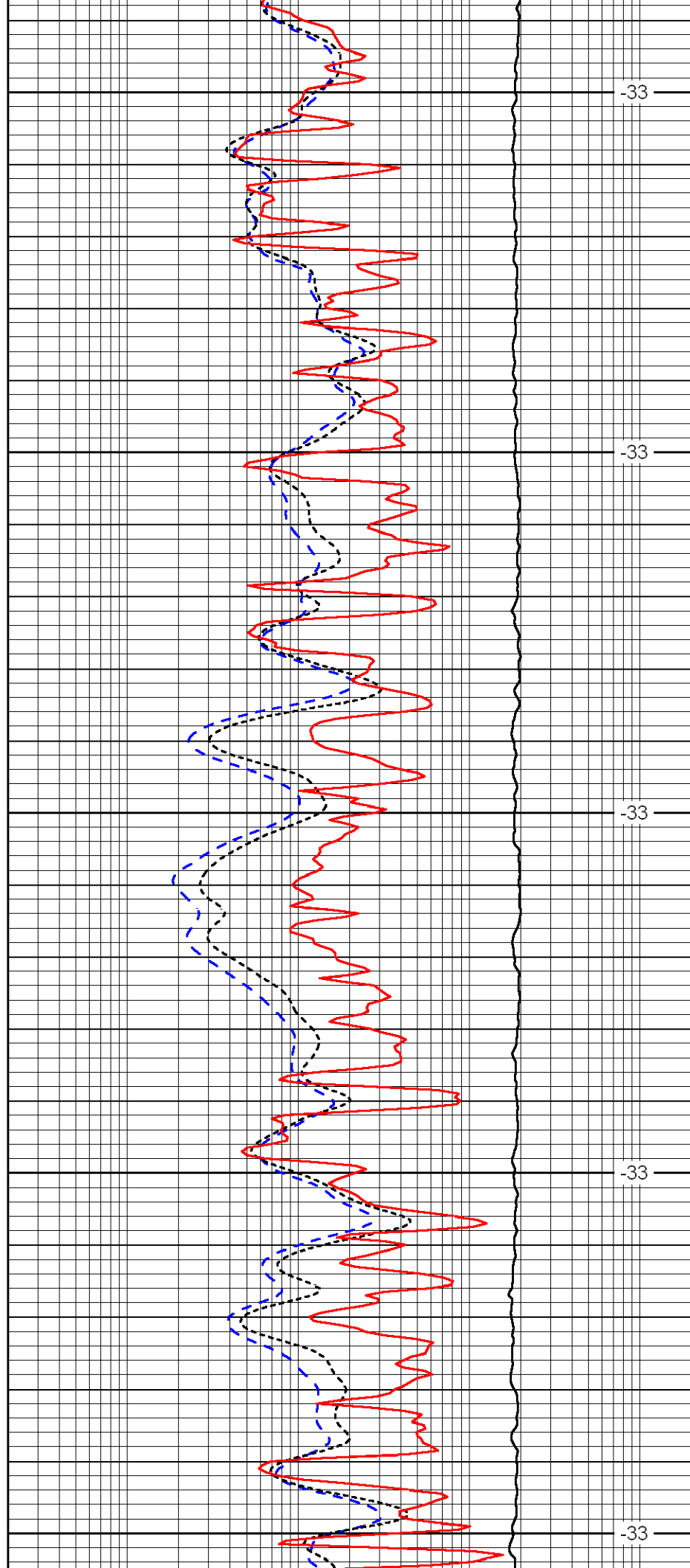
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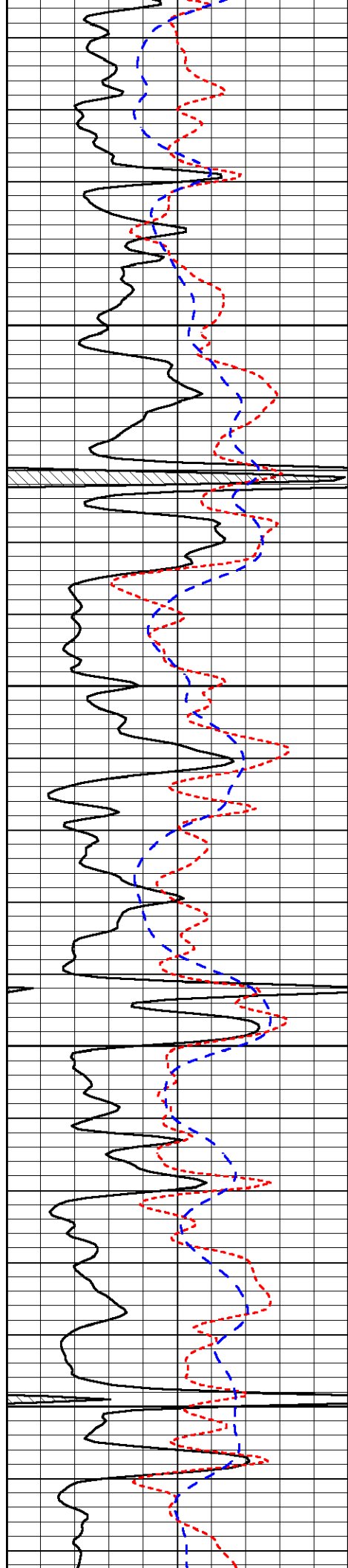
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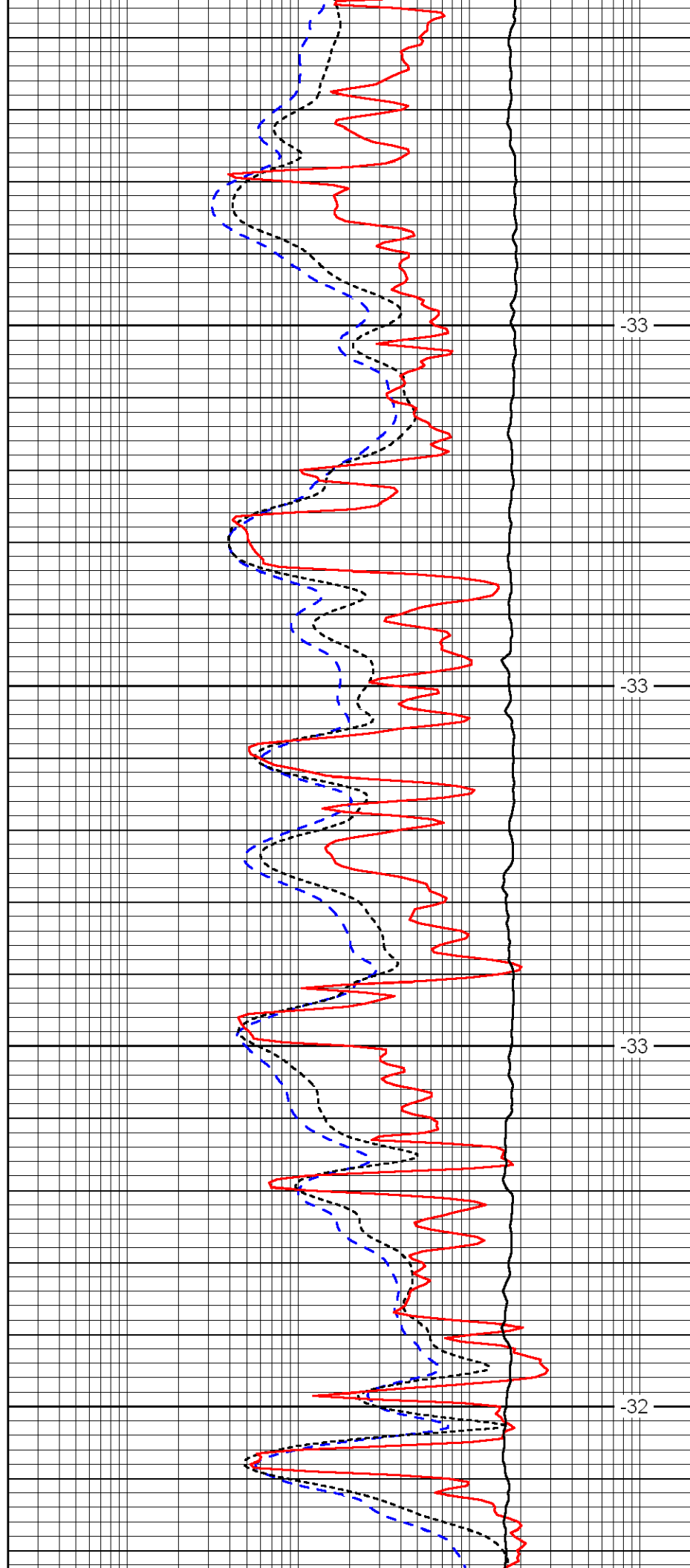


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4000

4050

4100

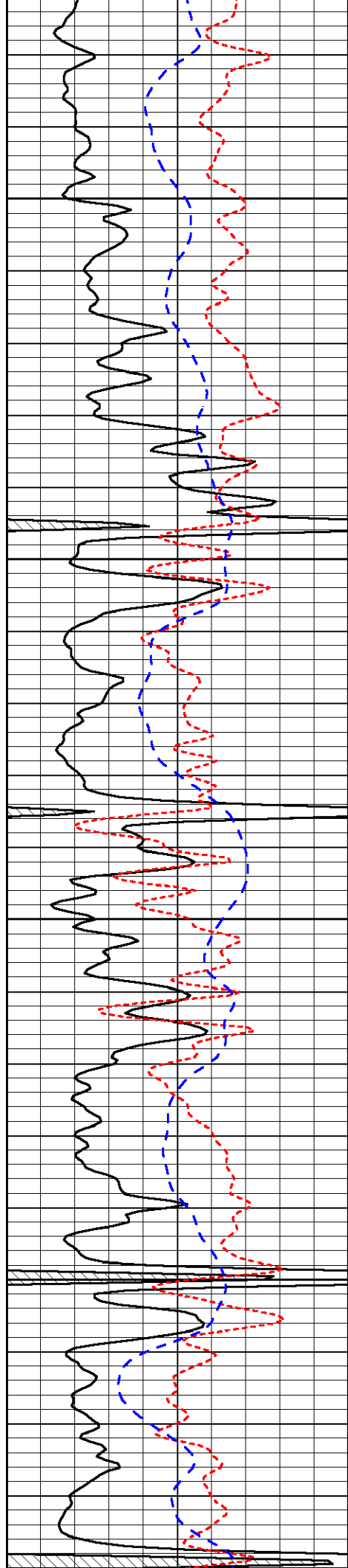


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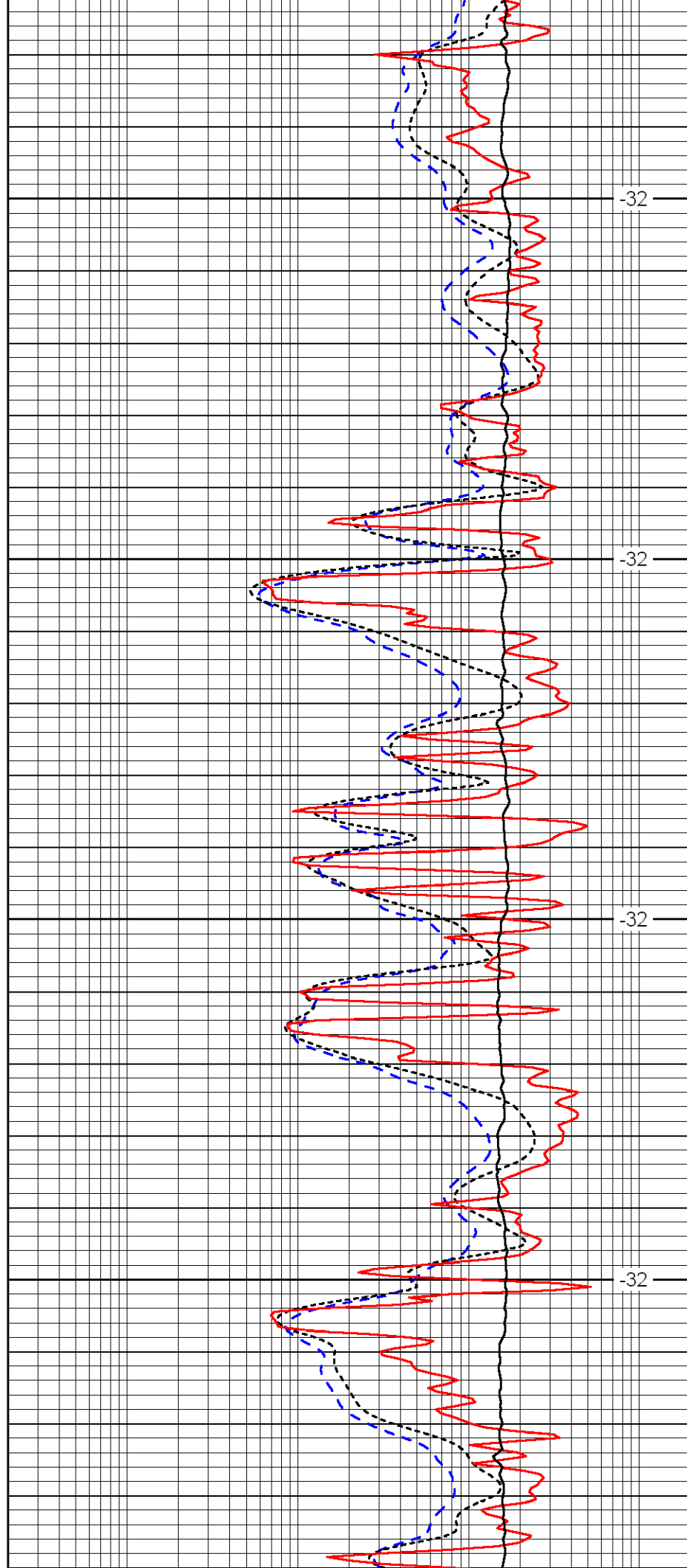


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4200

4250

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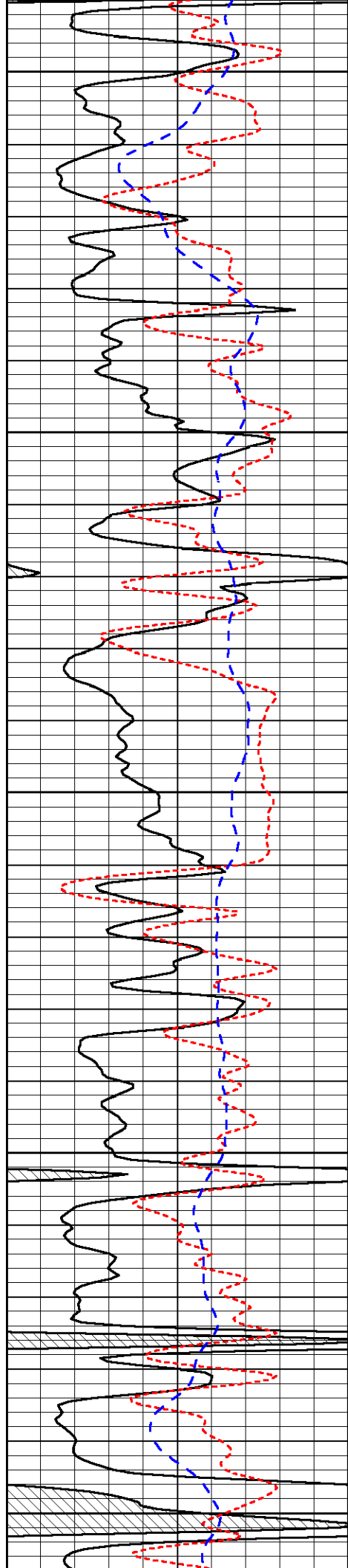


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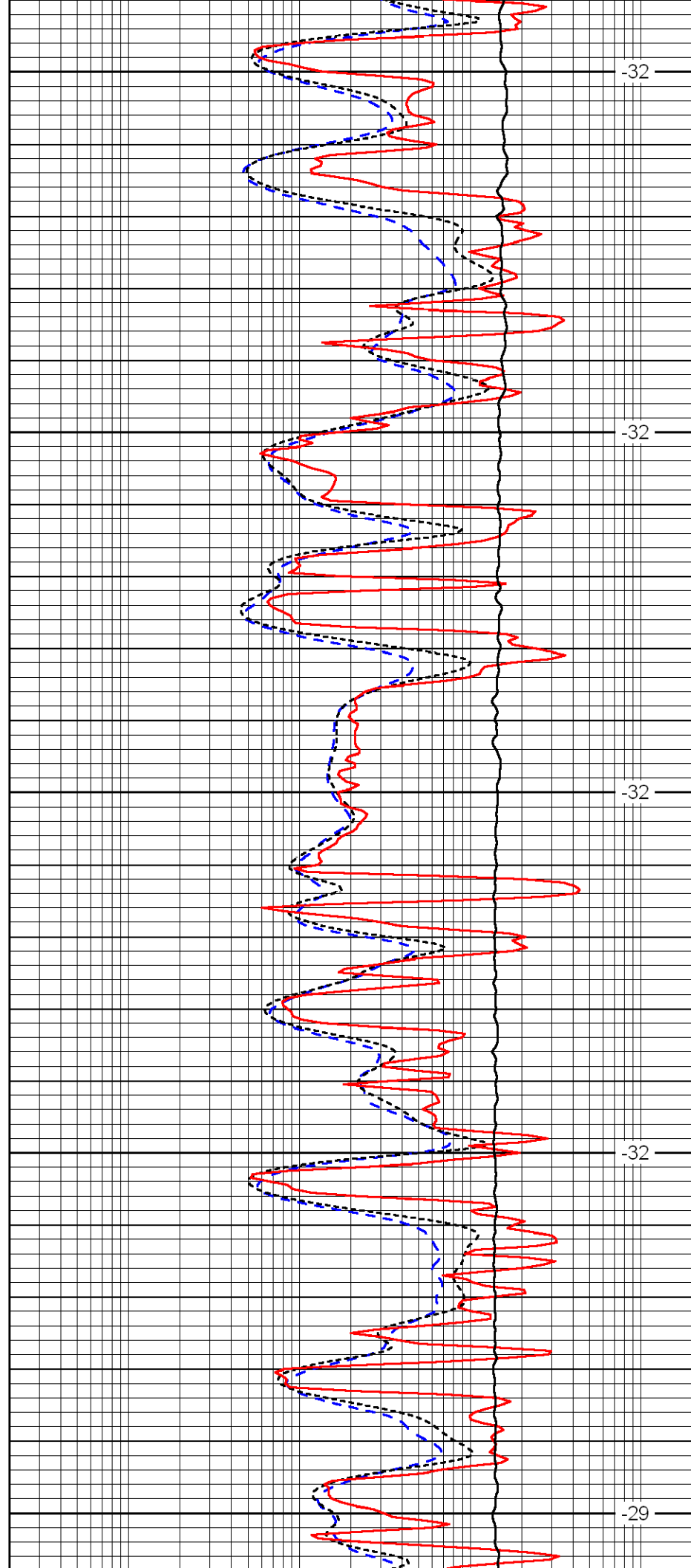
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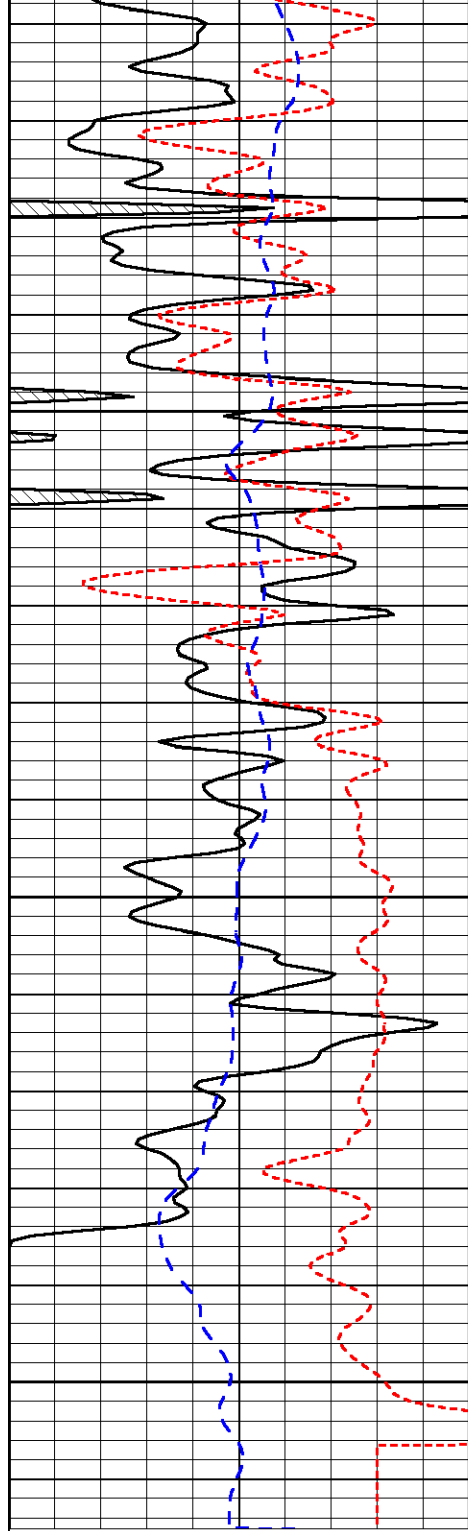
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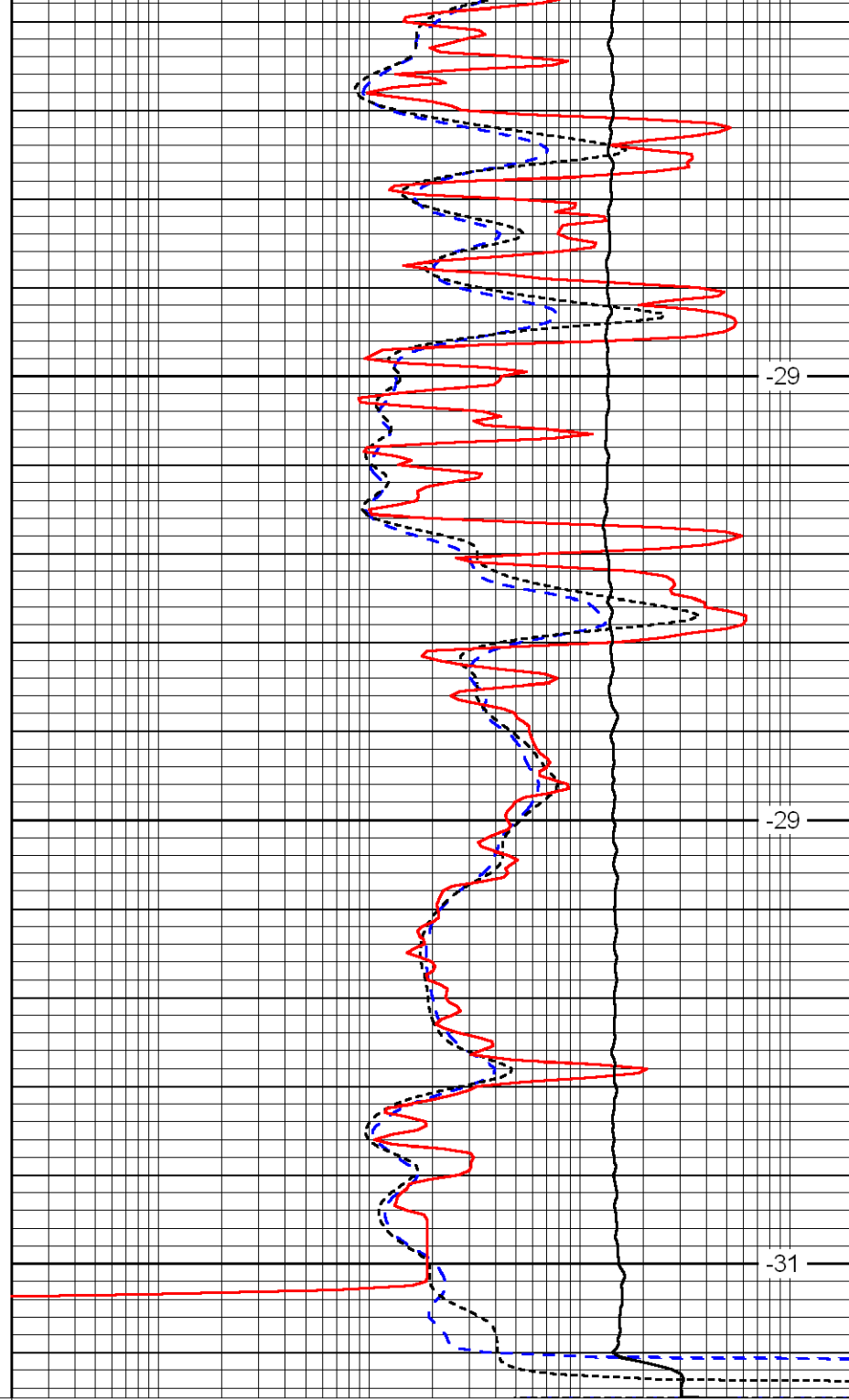


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-160	RXO/RT	40
-200	SP	0

4600

4650

4700



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

LSPD