



Pioneer Energy Services

Dual Induction Log

API No.

15-009-26,060-00-00

Company F.G. Holl Company, LLC

Well Roberts/Phillips Unit No. 1-6

Field Wildcat

County

Barton

State

Kansas

Location

1620' FNL & 285' FEL

Other Services
CNL/CDL
MEL/BHCS

Sec: 6

Twp: 19s

Rge: 13w

Elevation

Permanent Datum Ground Level Elevation 1876
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly BushingK.B. 1884
D.F. 1876
G.L. 1876

Date

12/5/2014

Run Number

One

Depth Driller

3650

Depth Logger

3649

Bottom Logged Interval

3648

Top Log Interval

0

Casing Driller

8.625 @ 829

Casing Logger

827

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4800

Density / Viscosity

9.3 48

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.80 @ 70

Rmf @ Meas. Temp

.60 @ 70

Rmc @ Meas. Temp

1.08 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

.50 @ 113

Operating Rig Time

6 Hours

Max Rec. Temp. F

113

Equipment Number

108

Location

Hays

Recorded By

D. Fischer

Witnessed By

J. Long

Rene Husted

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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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(785) 625-3858

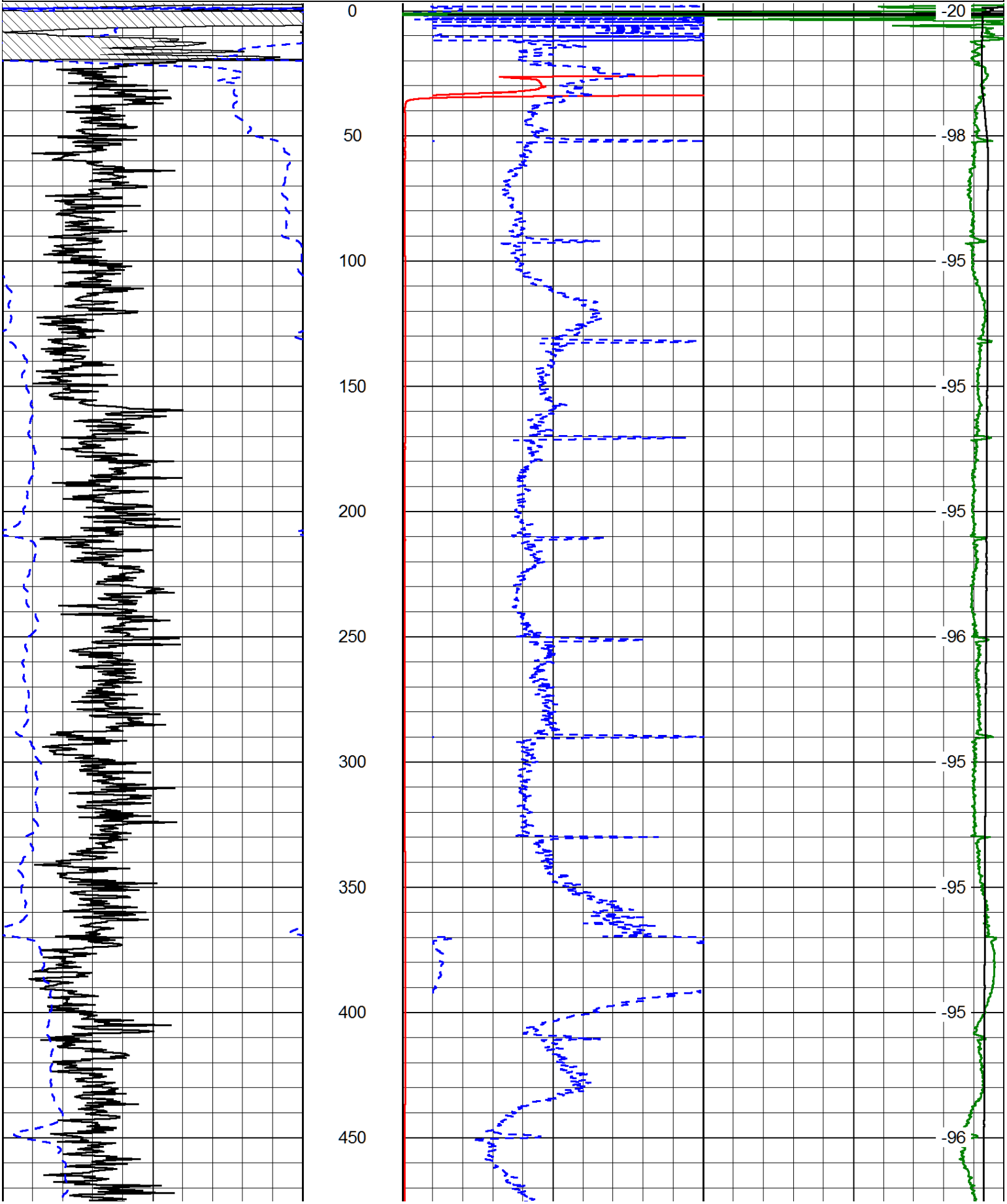
Hwy 4 & 281 Junction in Hoisington Ks., 6 South, 1 West, 1/2 South, West Into.

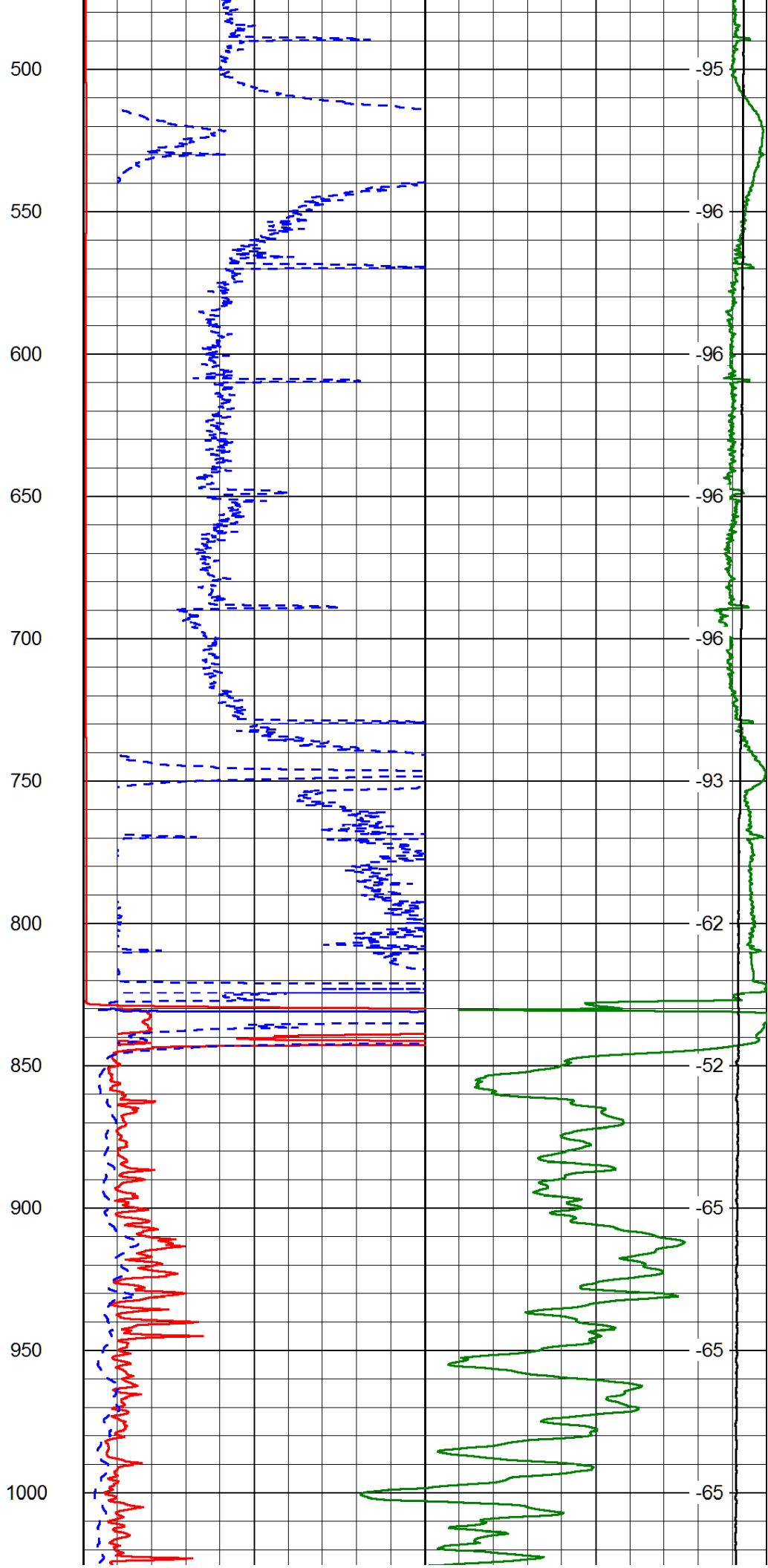
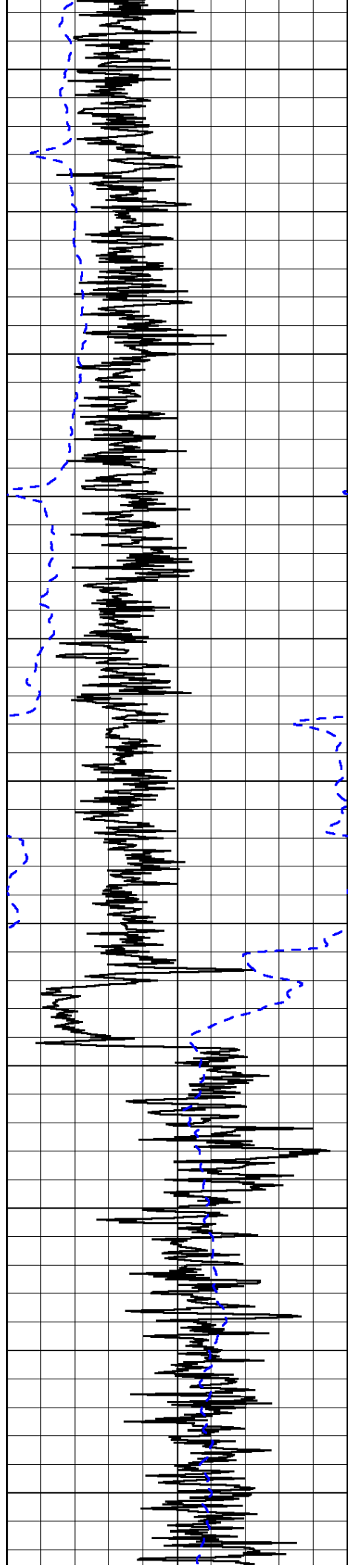
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Presentation Format: dil2in
Dataset Creation: Fri Dec 05 16:23:59 2014
Charted by: Depth in Feet scaled 1:600

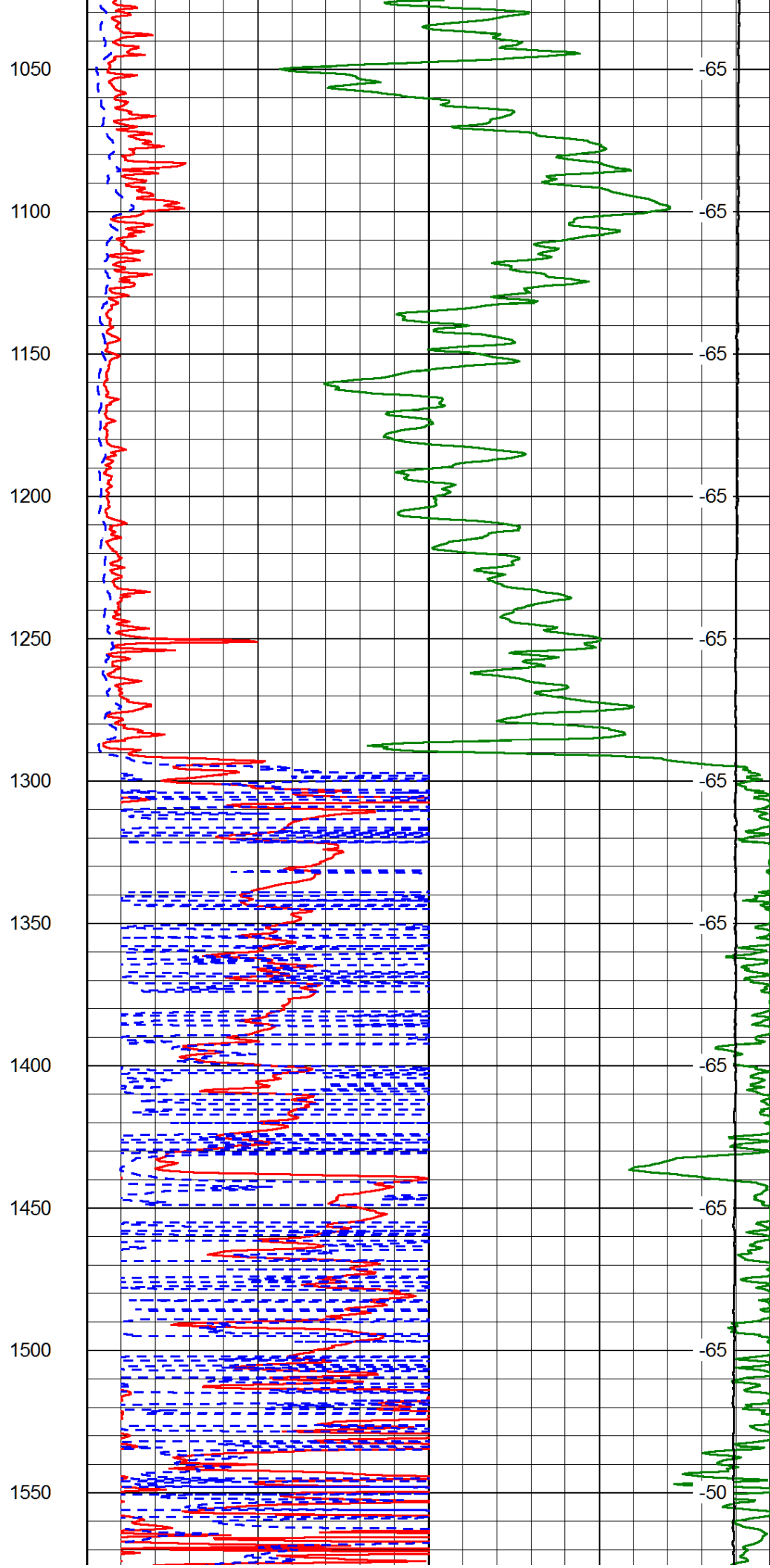
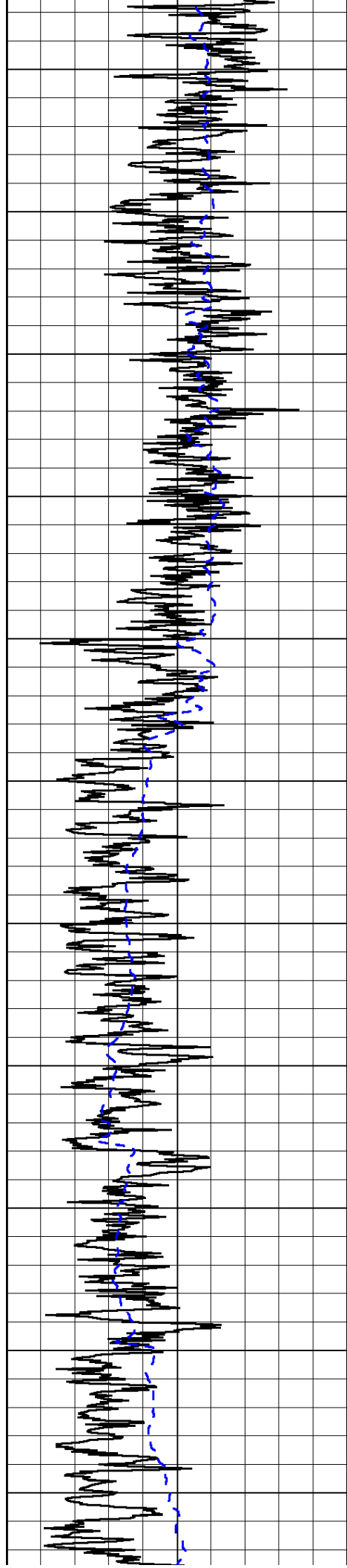
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-200	SP (mV)	0

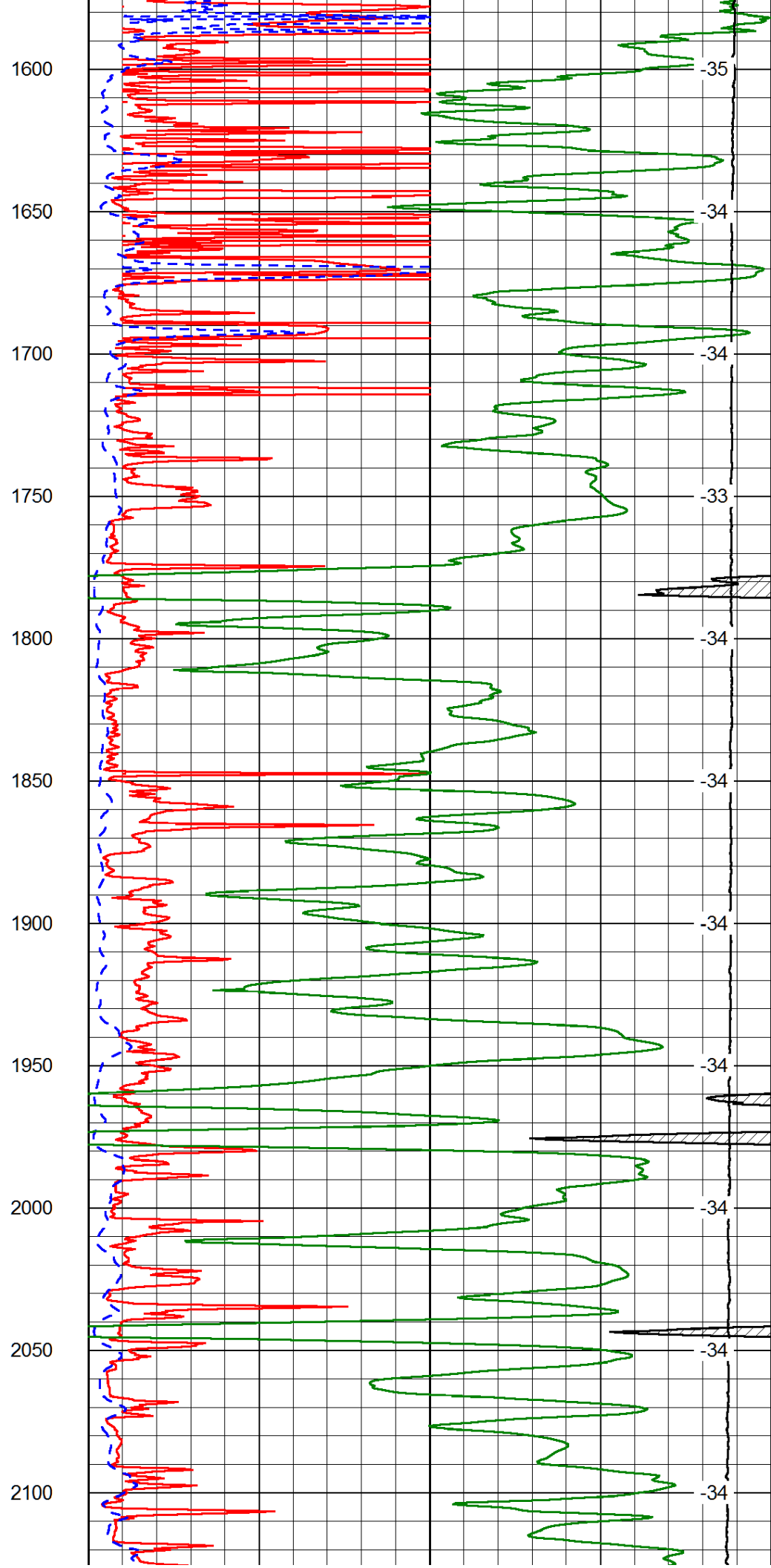
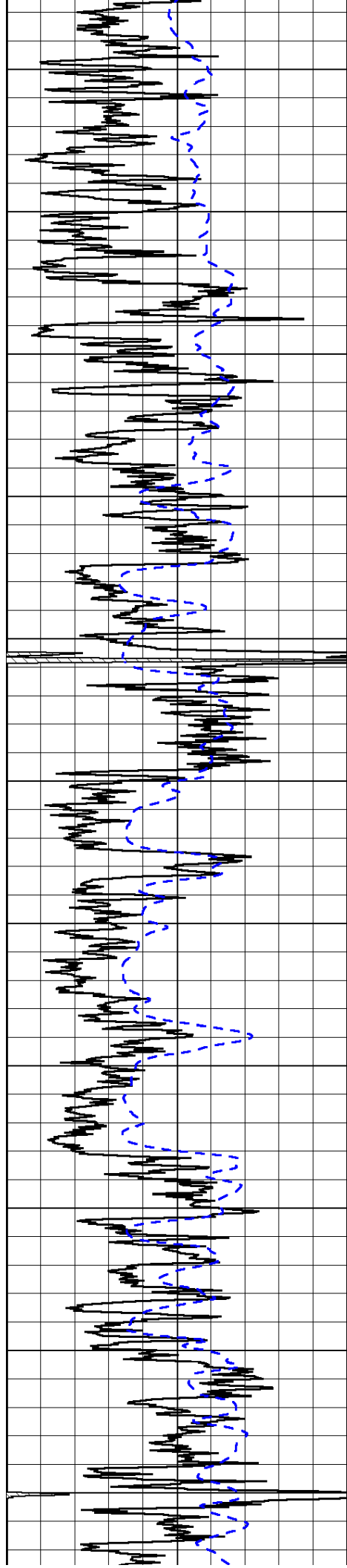
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

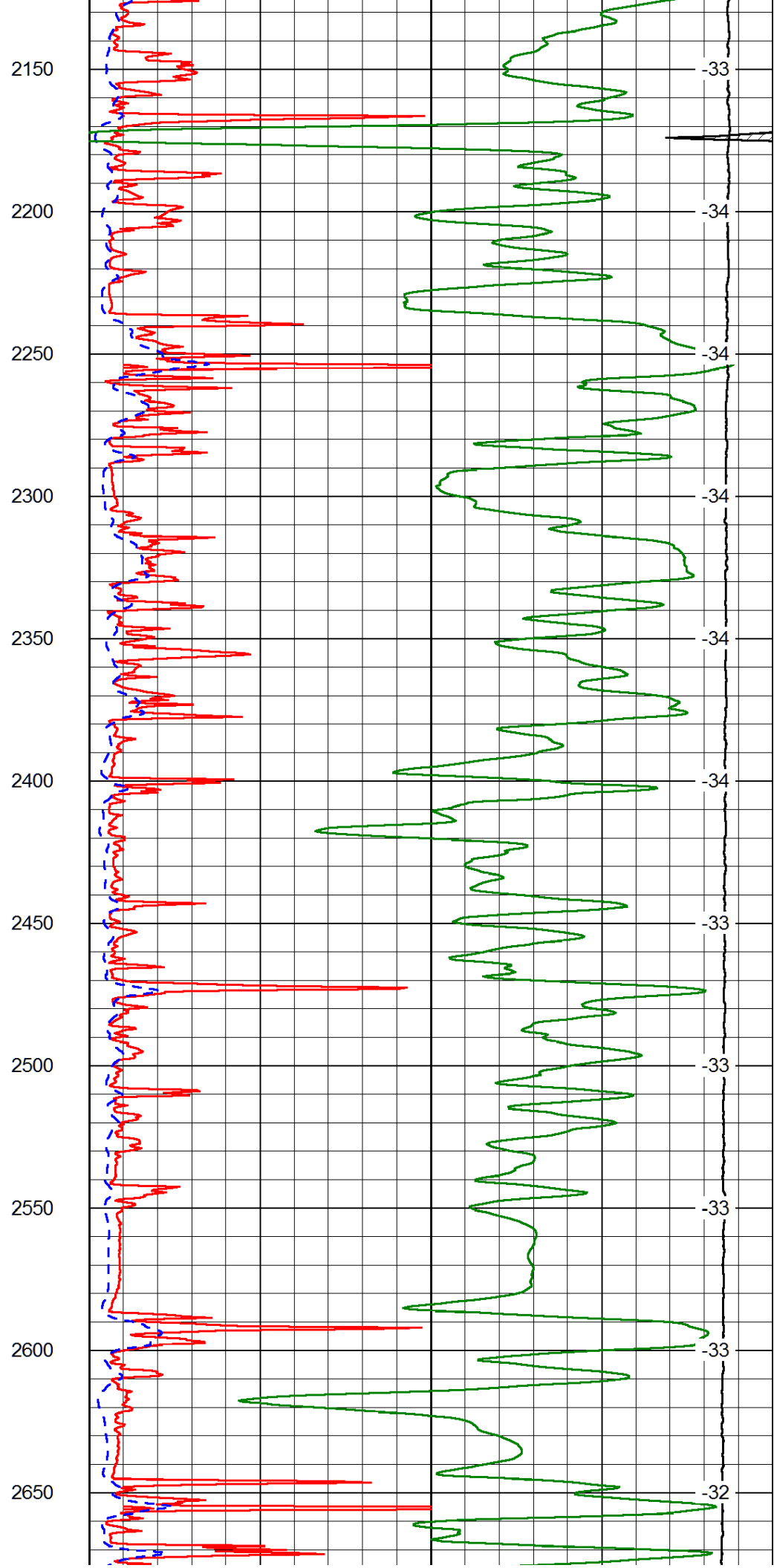
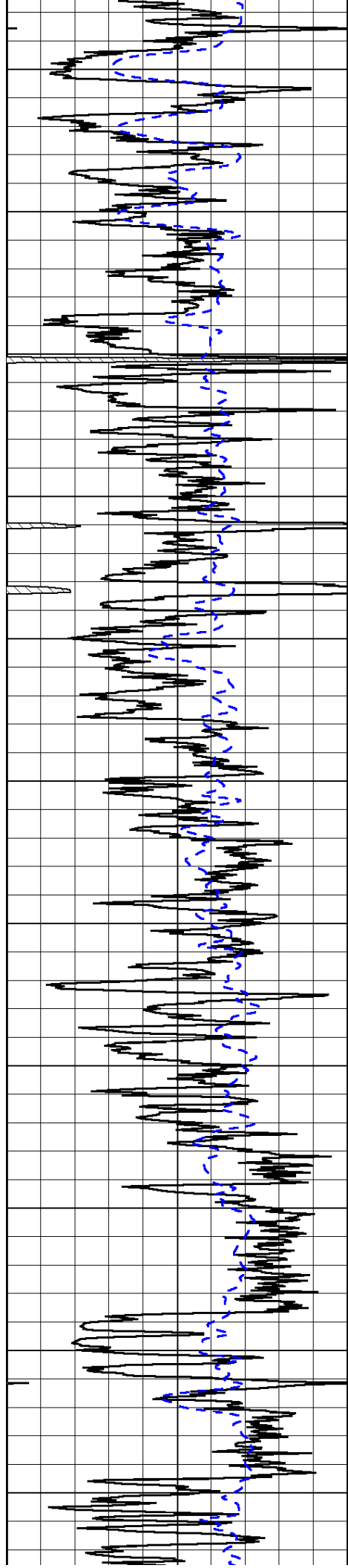
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50	Deep Resistivity	500

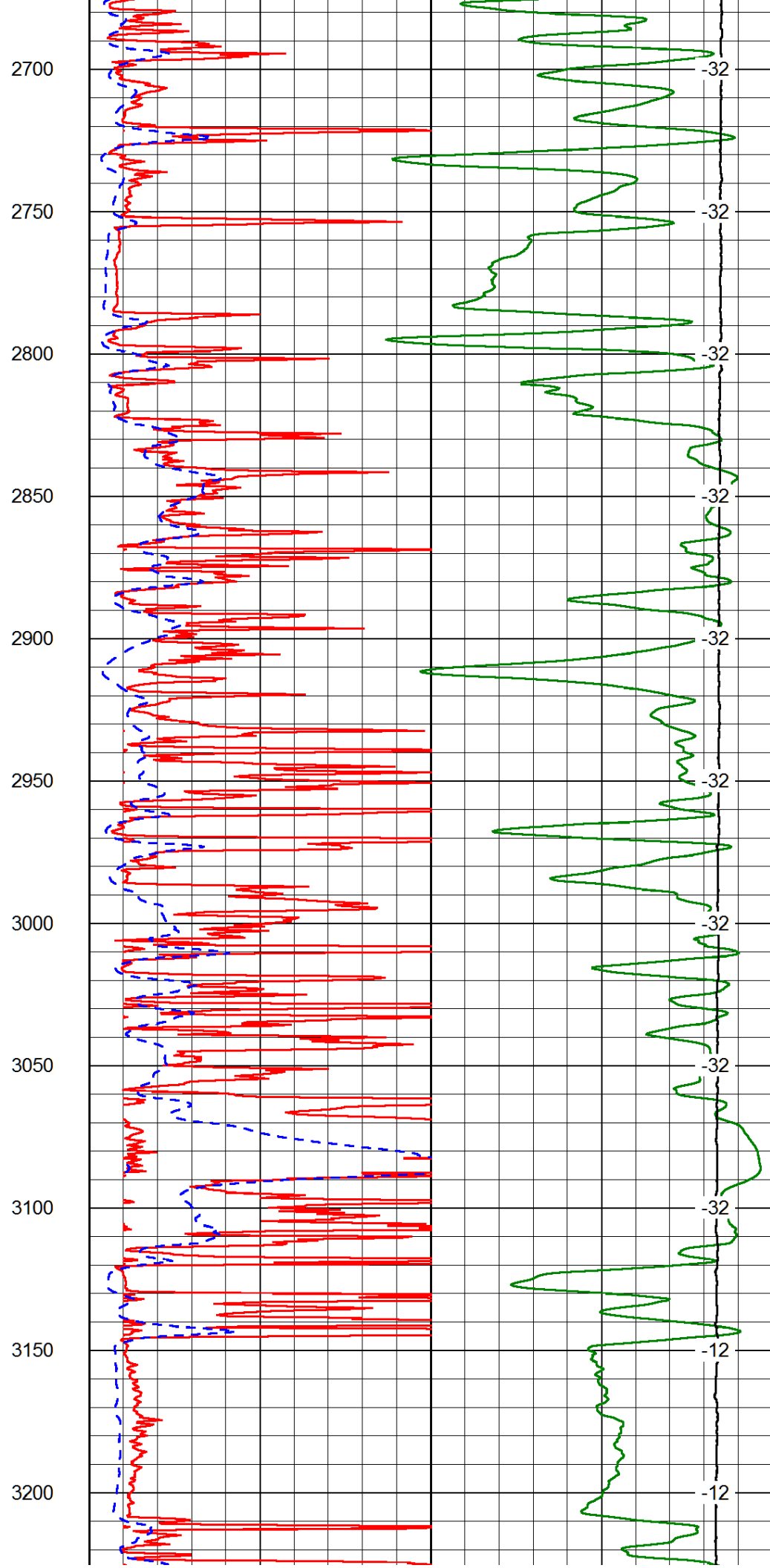
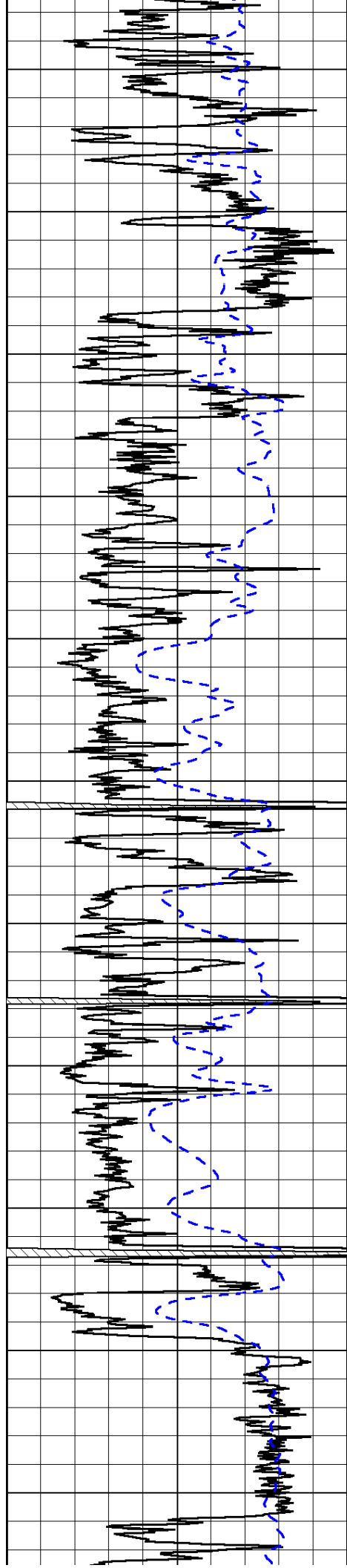


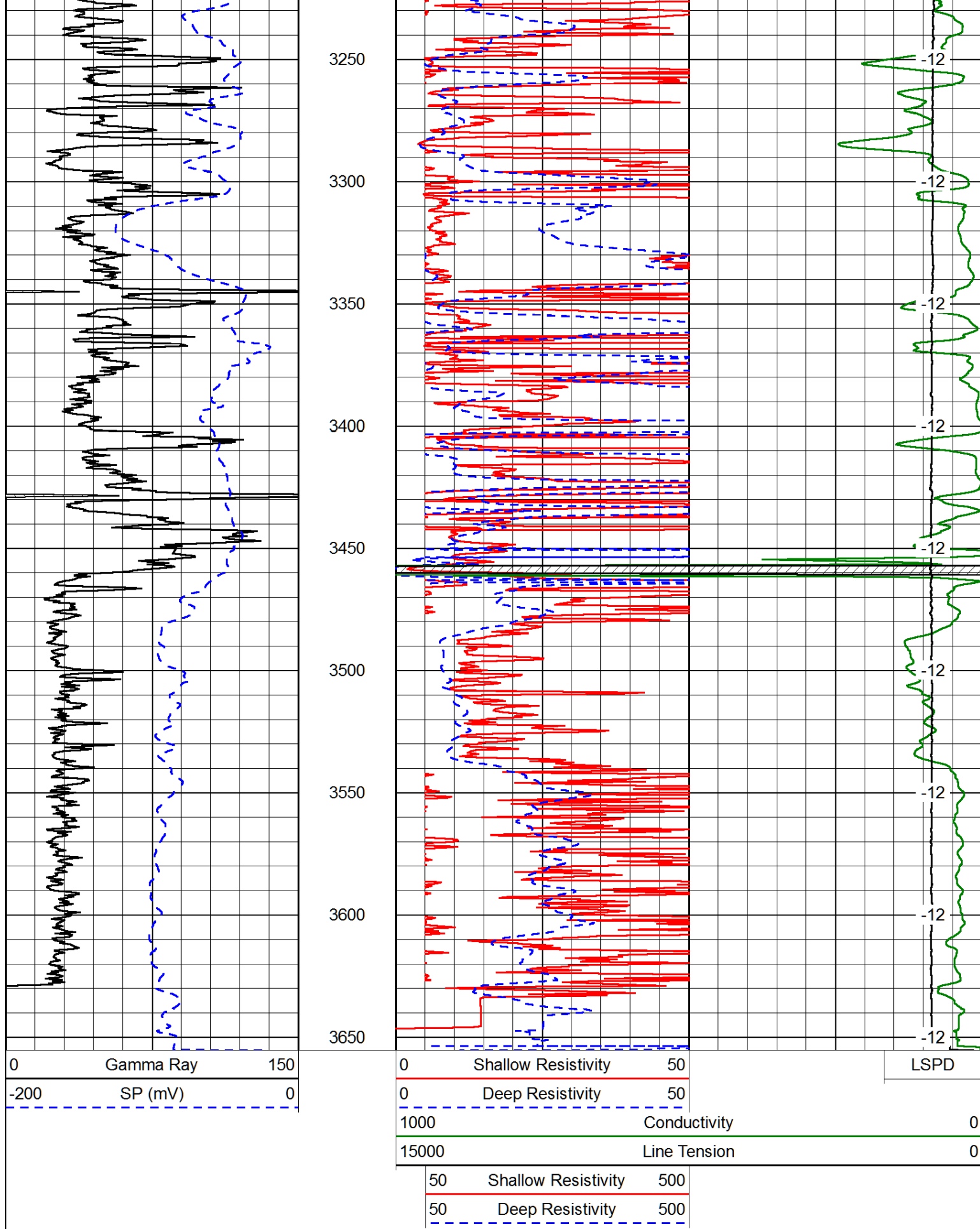






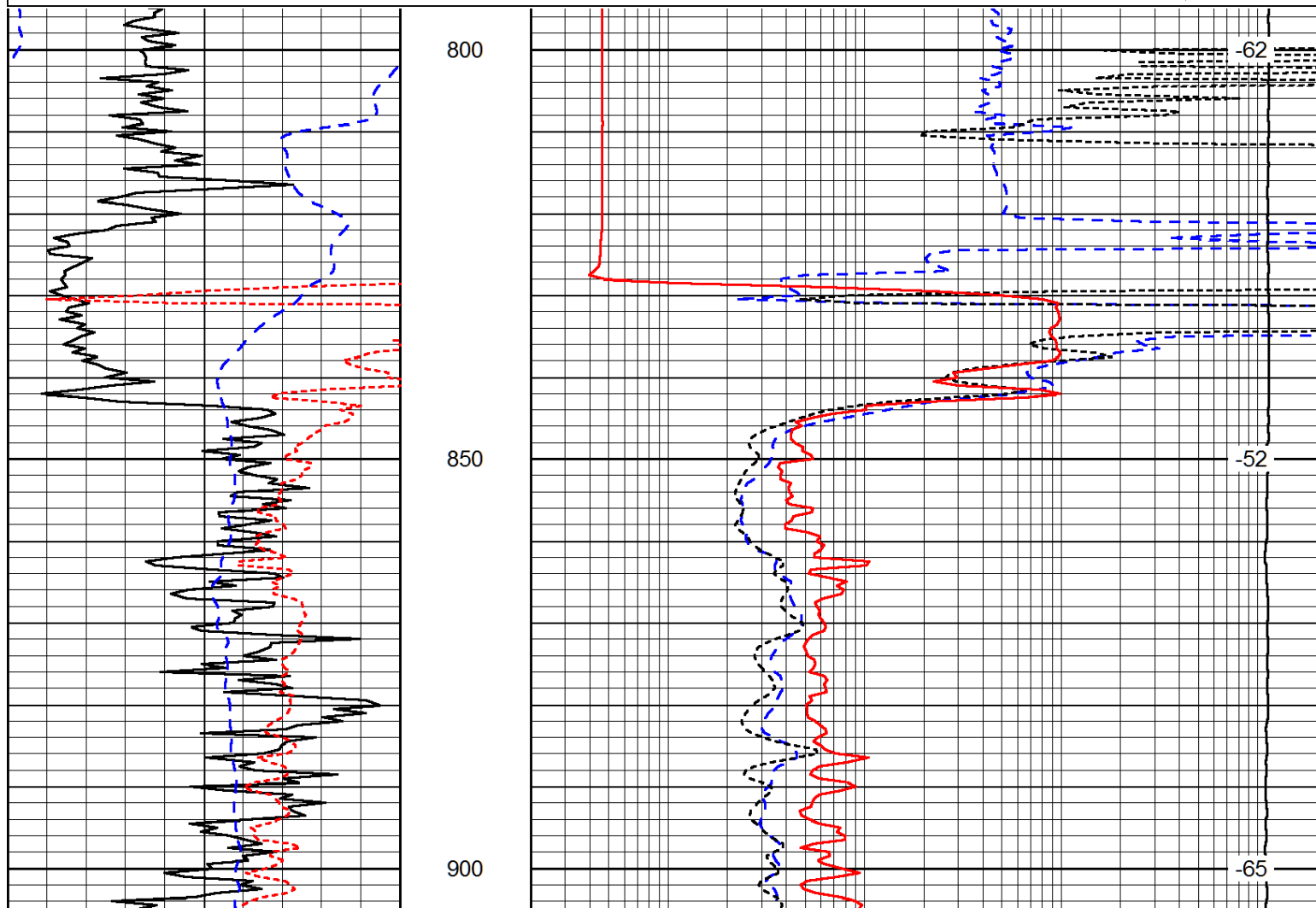






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Presentation Format: dil
Dataset Creation: Fri Dec 05 16:23:59 2014

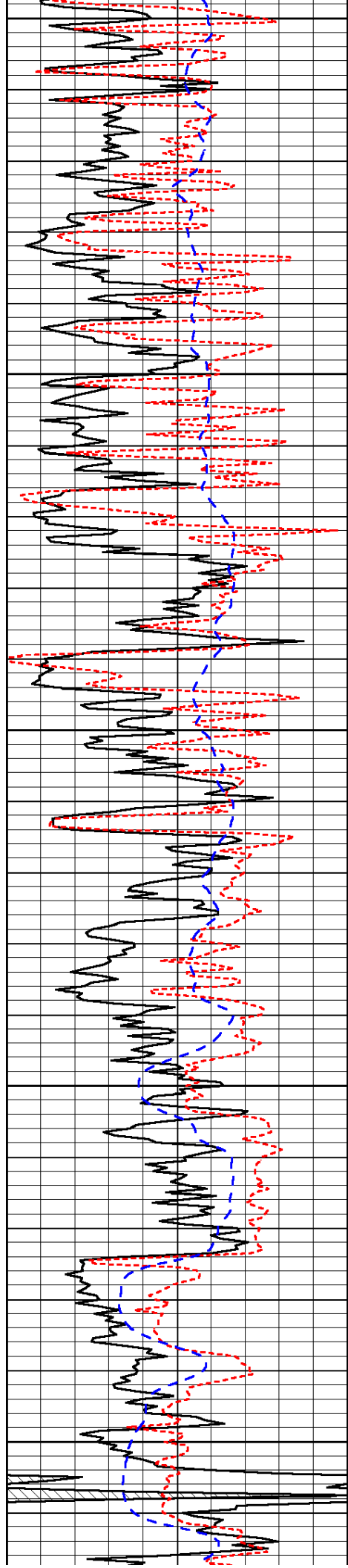
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-160	RxoRt	40	0.2	Medium Resistivity	2000	
-200	SP (mV)	0	0.2	Shallow Resistivity	2000	
10000					Line Tension	0
					LSPD	



0	Gamma Ray	150	0.2	Deep Resistivity	2000	
-160	RxoRt	40	0.2	Medium Resistivity	2000	
-200	SP (mV)	0	0.2	Shallow Resistivity	2000	
10000					Line Tension	0
					LSPD	

Database File: fg_holl_robertsphillips_1-6hd.db
Dataset Pathname: DIL/fgstck
Presentation Format: dil
Dataset Creation: Fri Dec 05 16:23:59 2014
Charted by: Depth in Feet scaled 1:240

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-160	RxoRt	40	0.2	Medium Resistivity	2000
-200	SP (mV)	0	0.2	Shallow Resistivity	2000
			10000	Line Tension	0
					LSPD



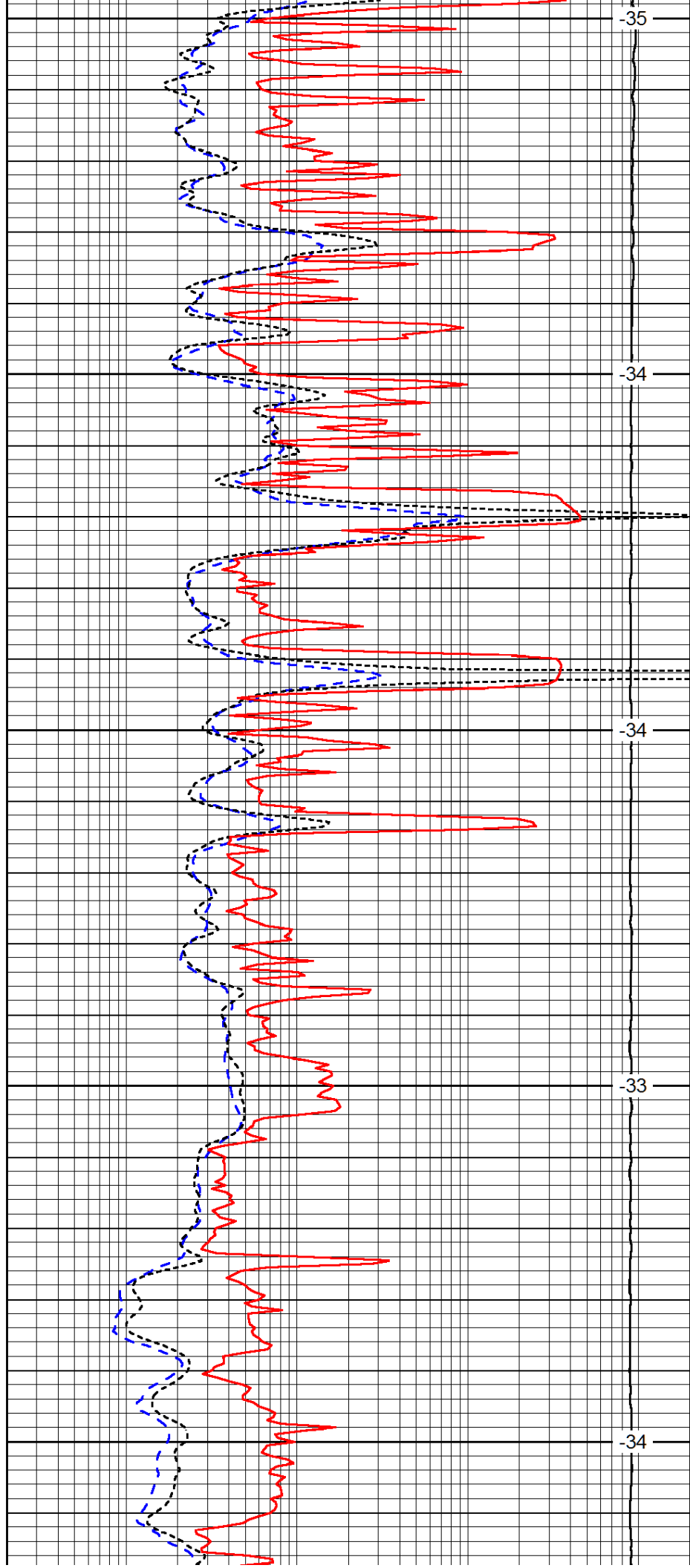
1600

1650

1700

1750

1800



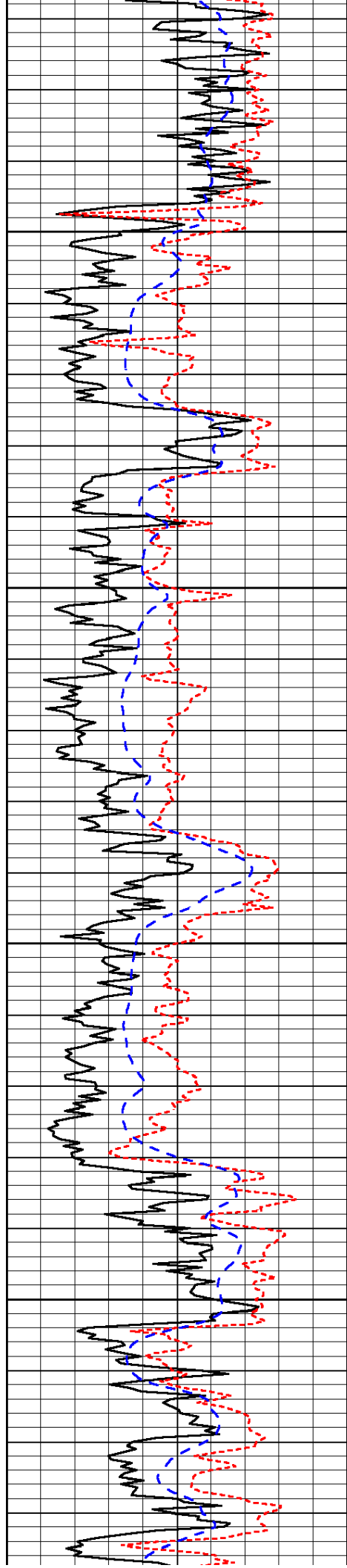
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-34

-34

-33

-34

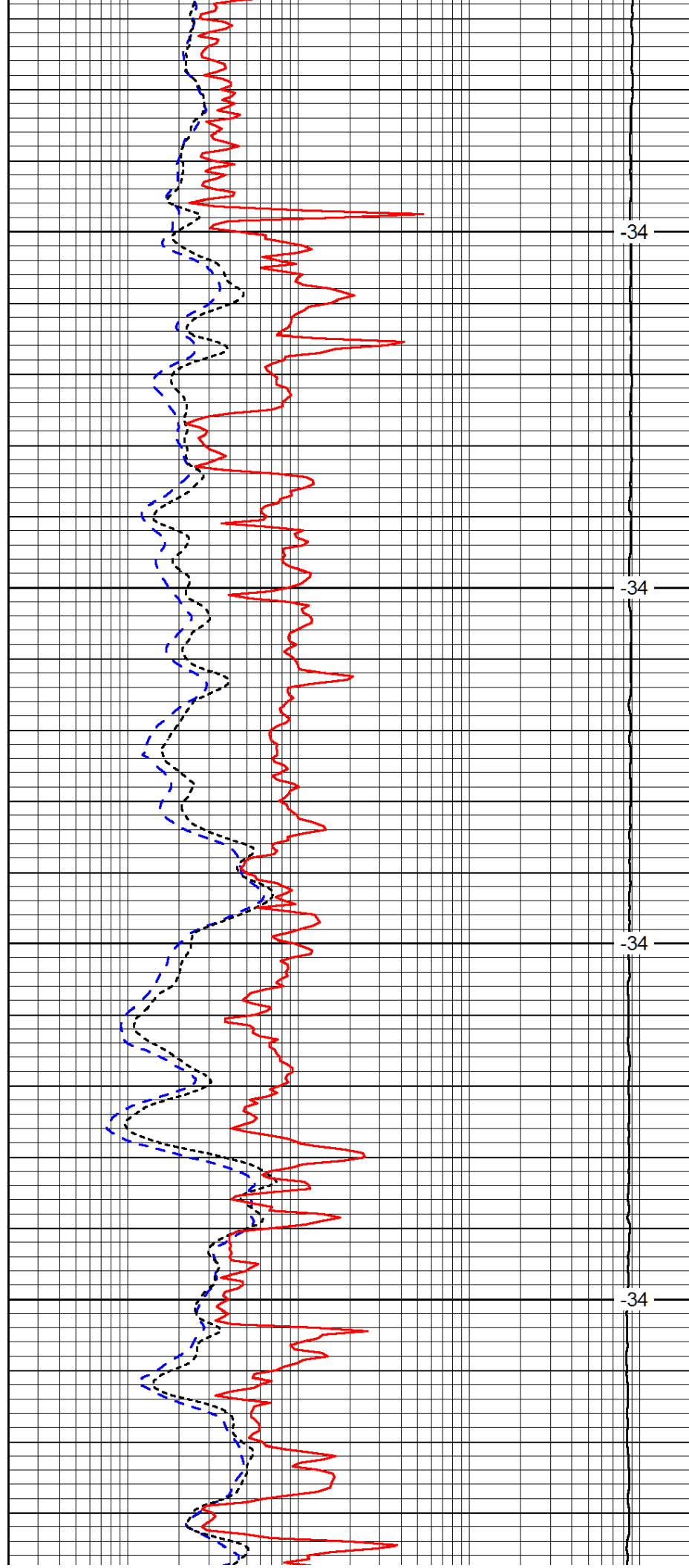


1850

1900

1950

2000

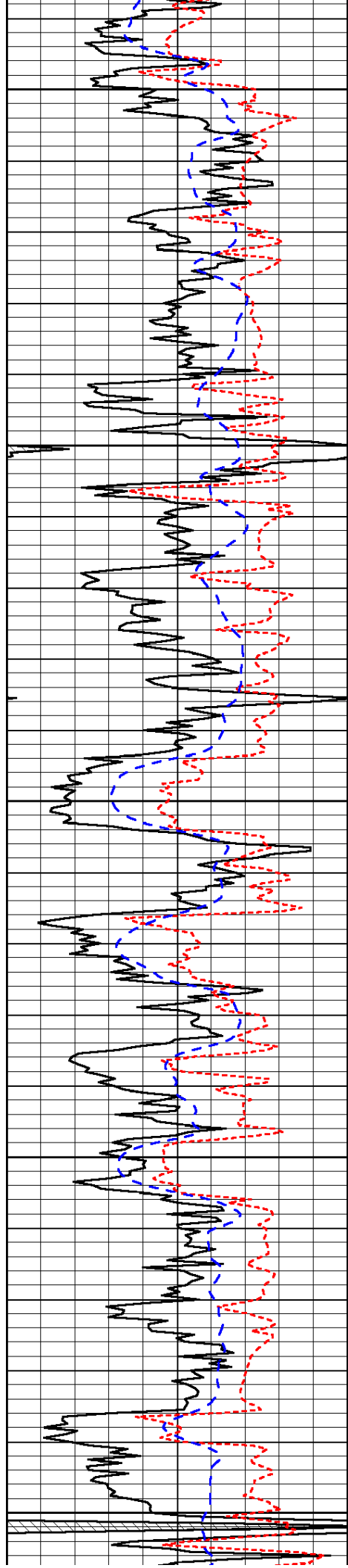


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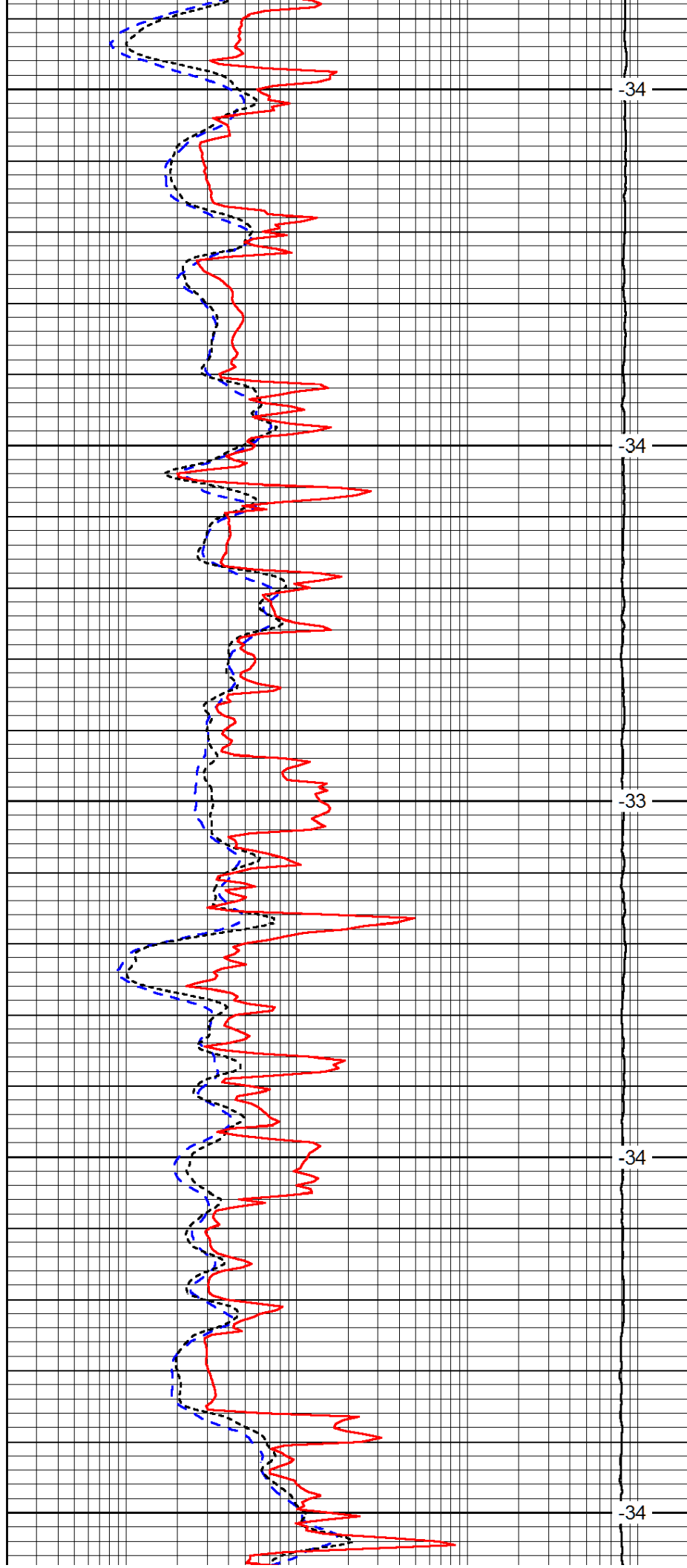
2050

2100

2150

2200

2250



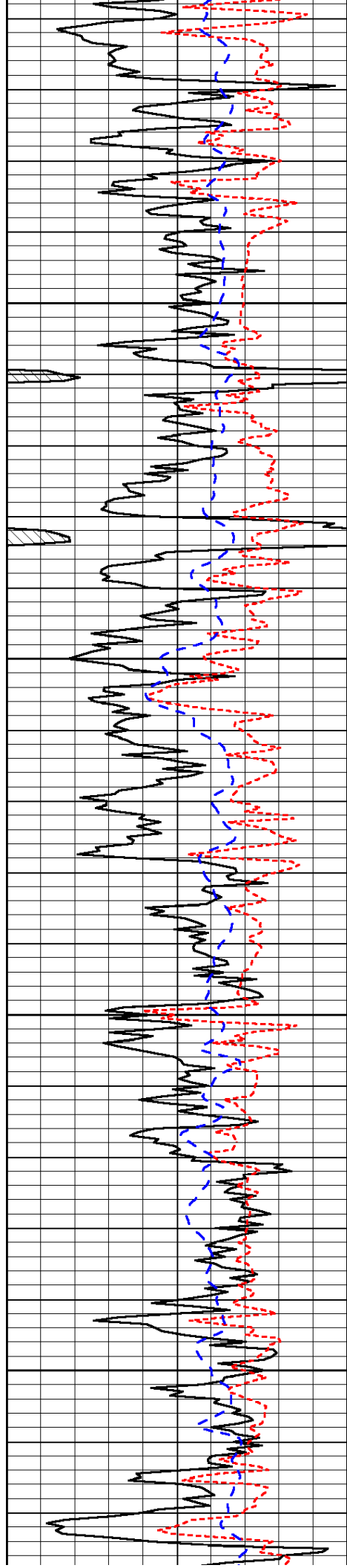
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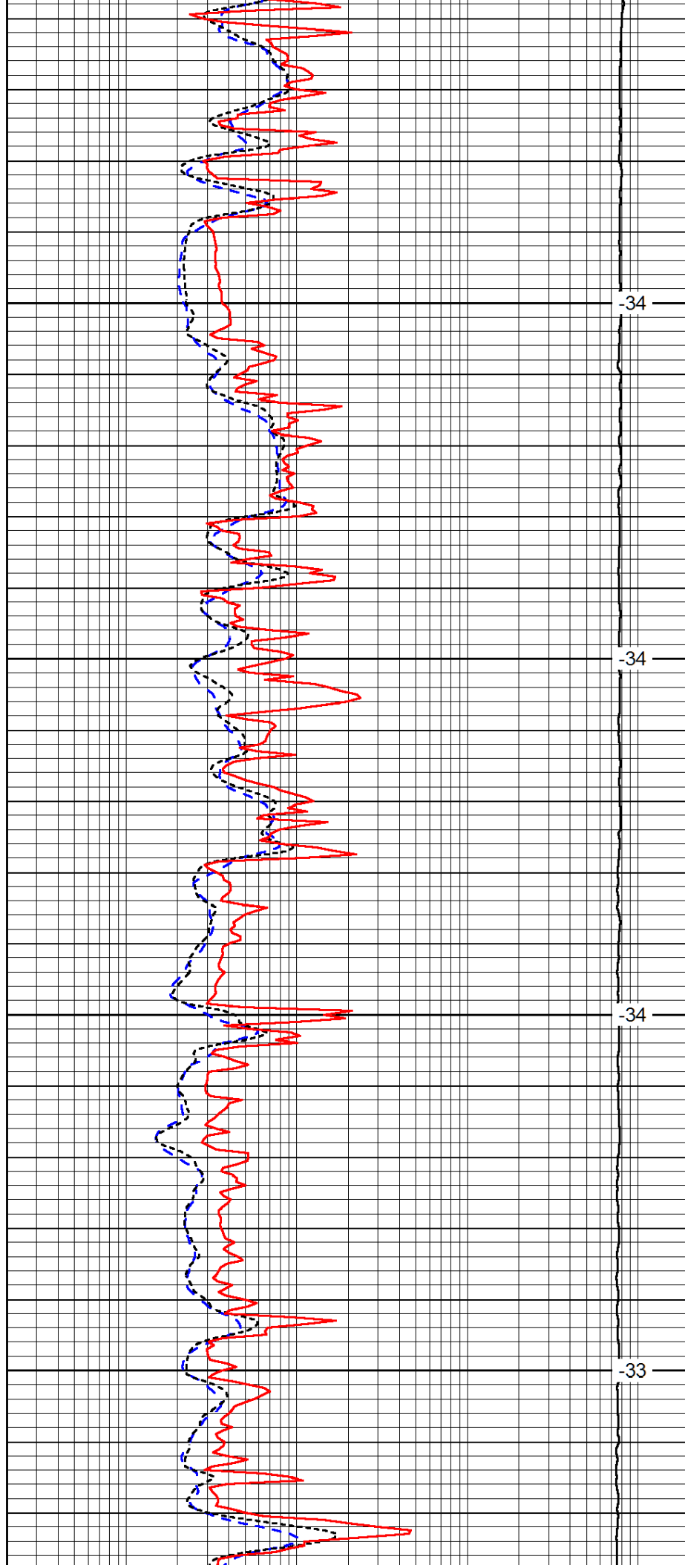


2300

2350

2400

2450

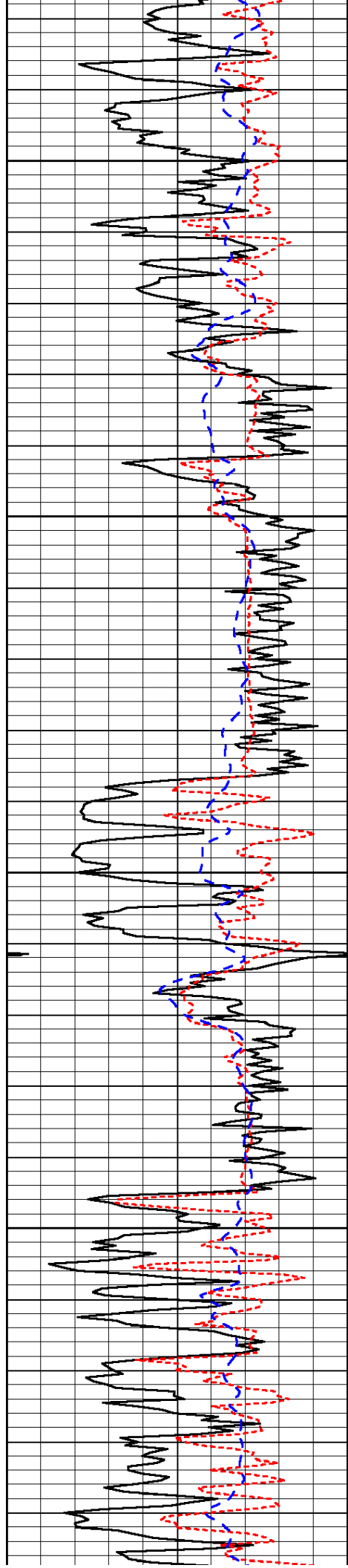


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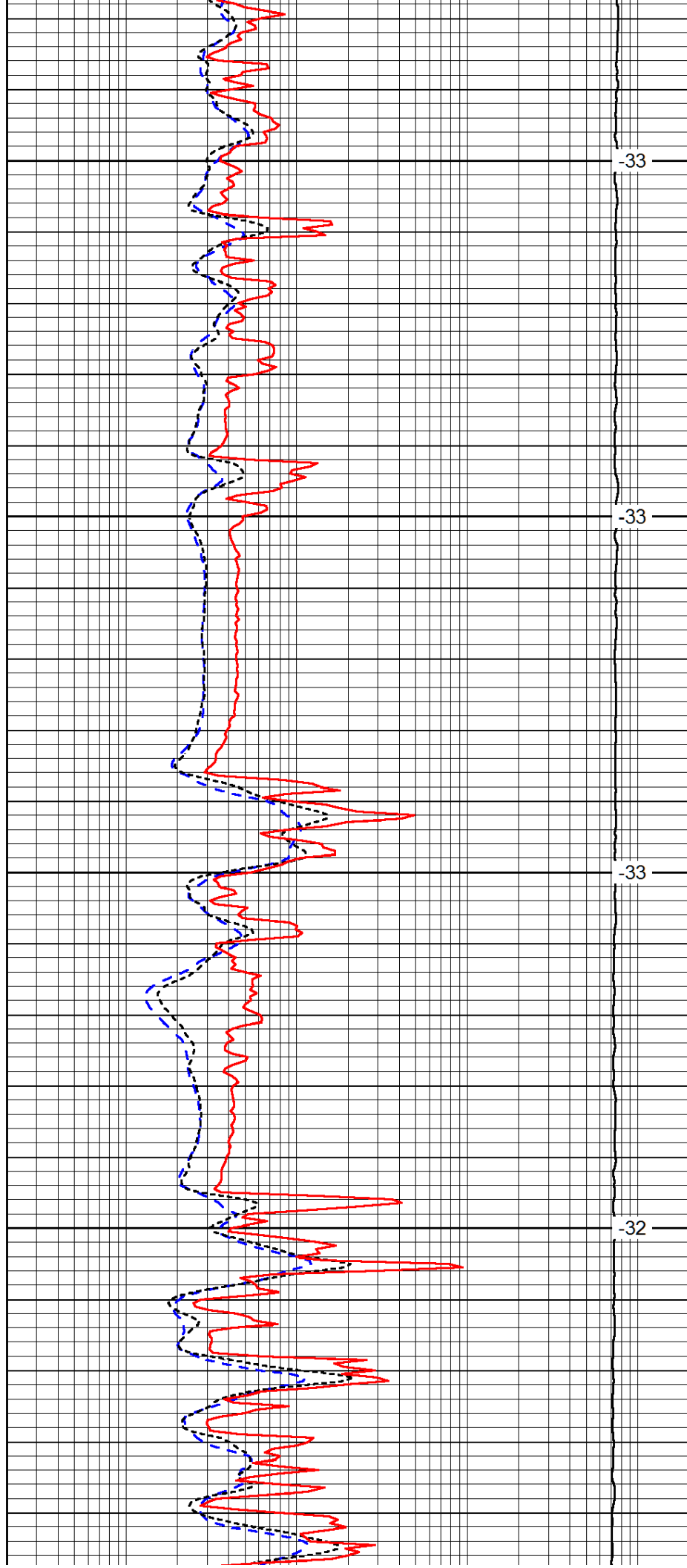


2500

2550

2600

2650

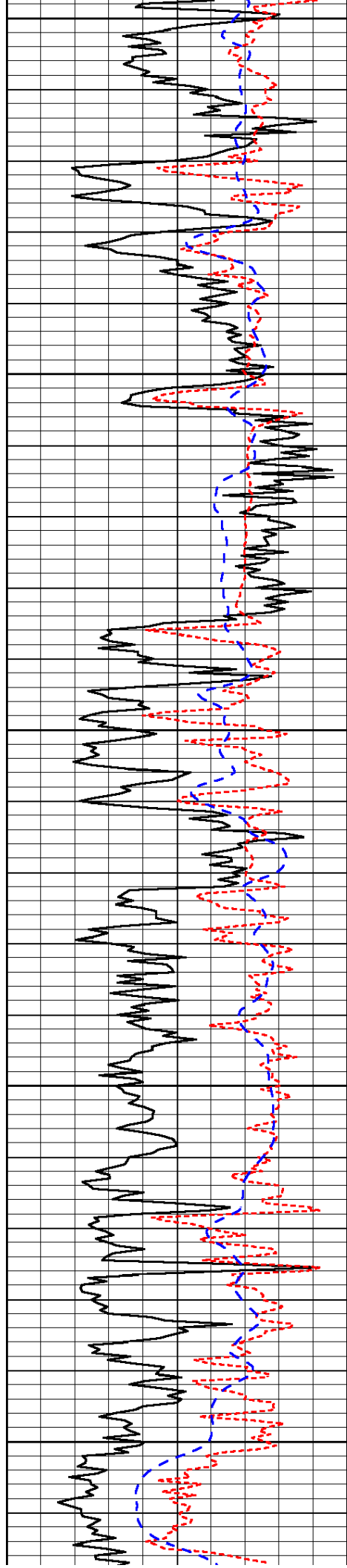


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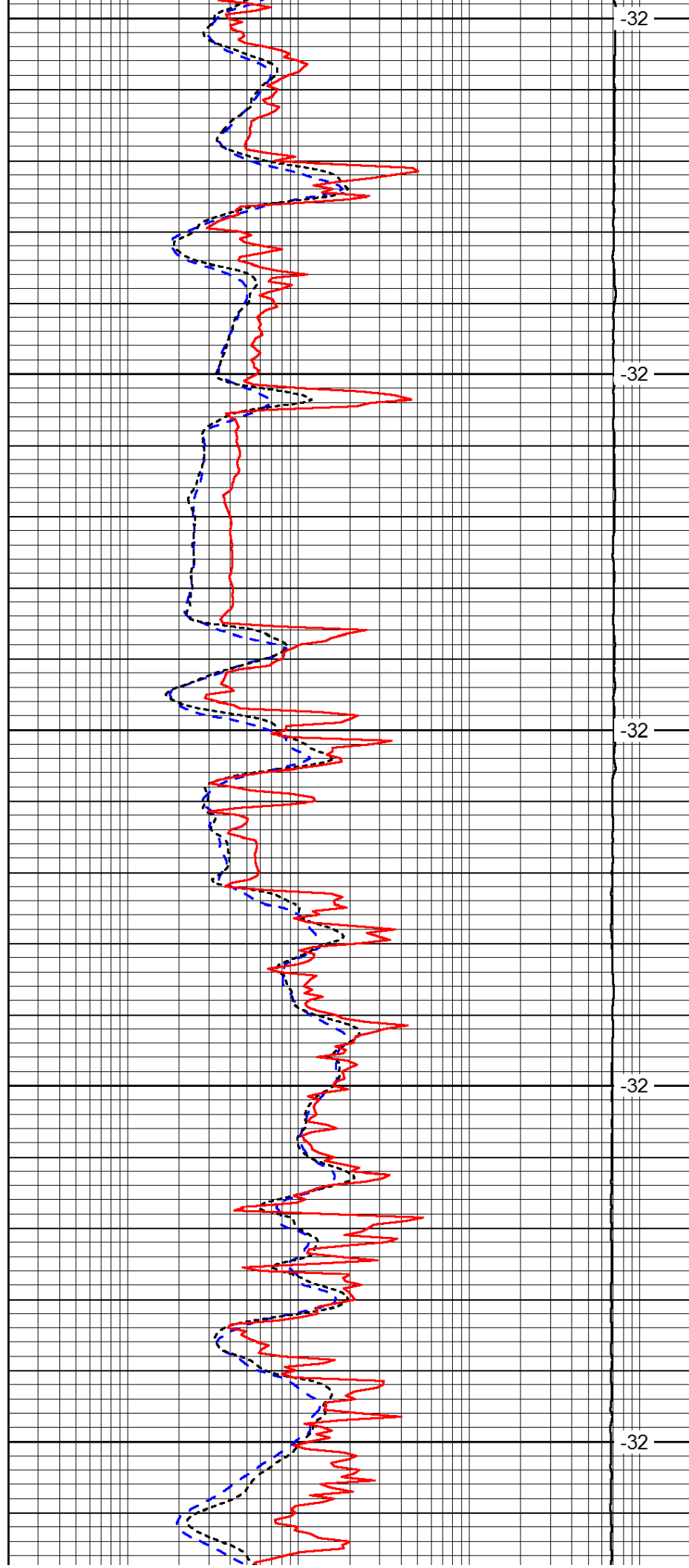
2700

2750

2800

2850

2900



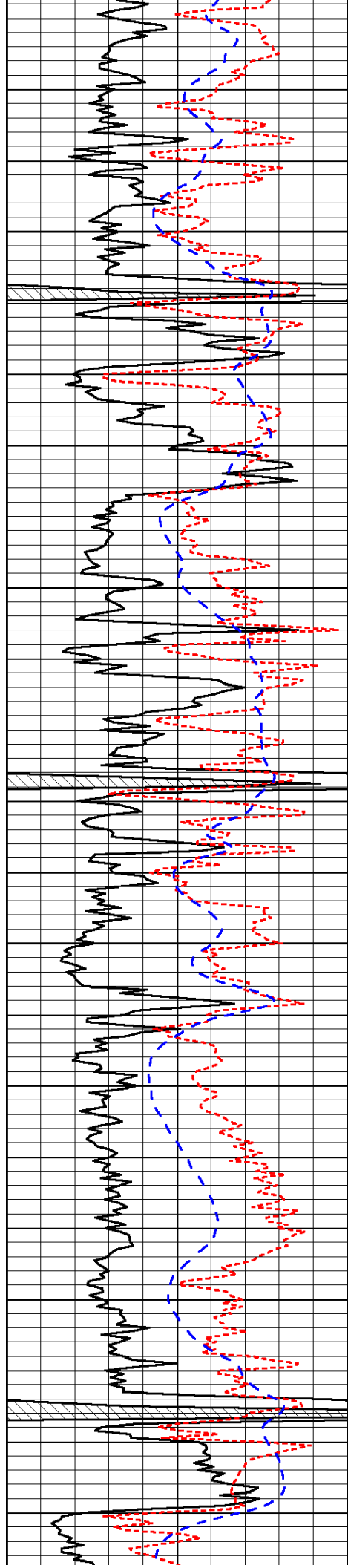
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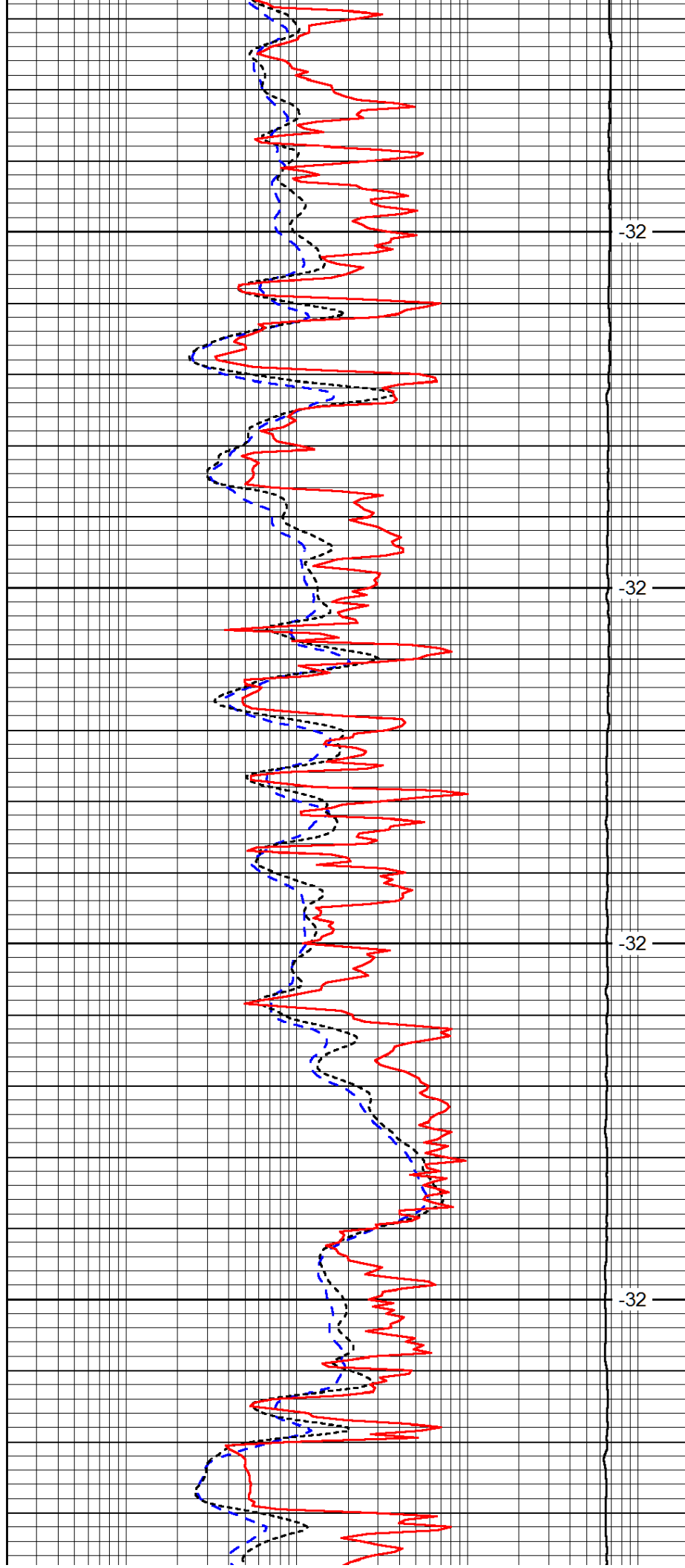


2950

3000

3050

3100

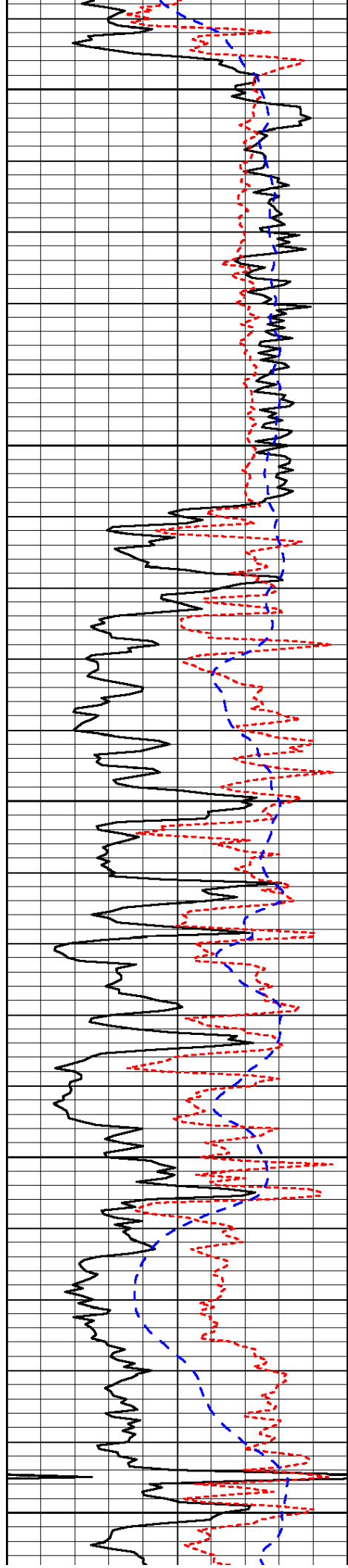


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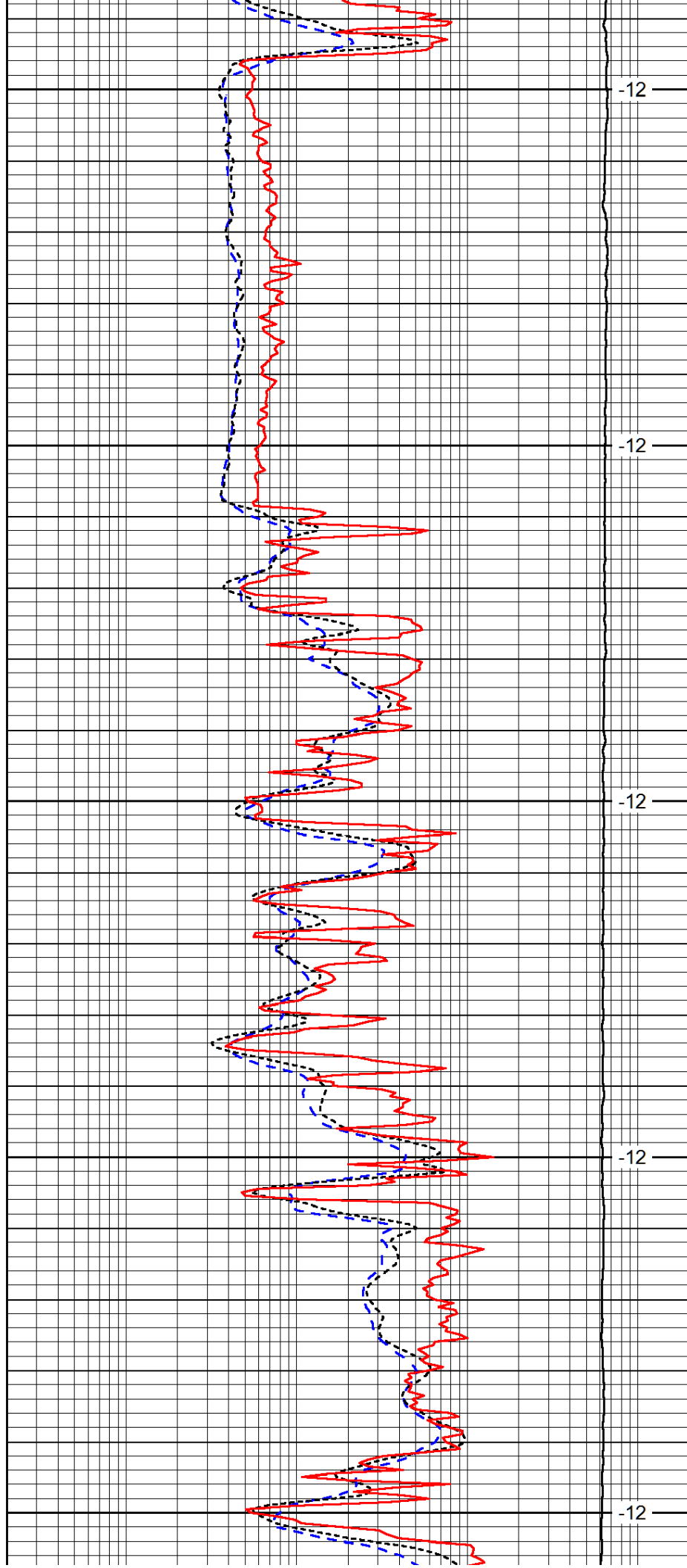
3150

3200

3250

3300

3350



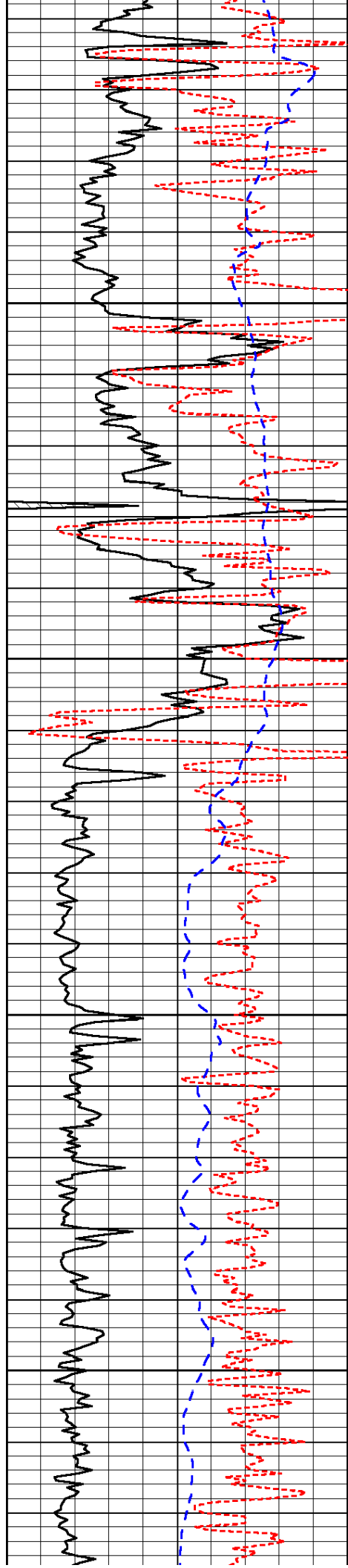
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-12

-12

-12

-12

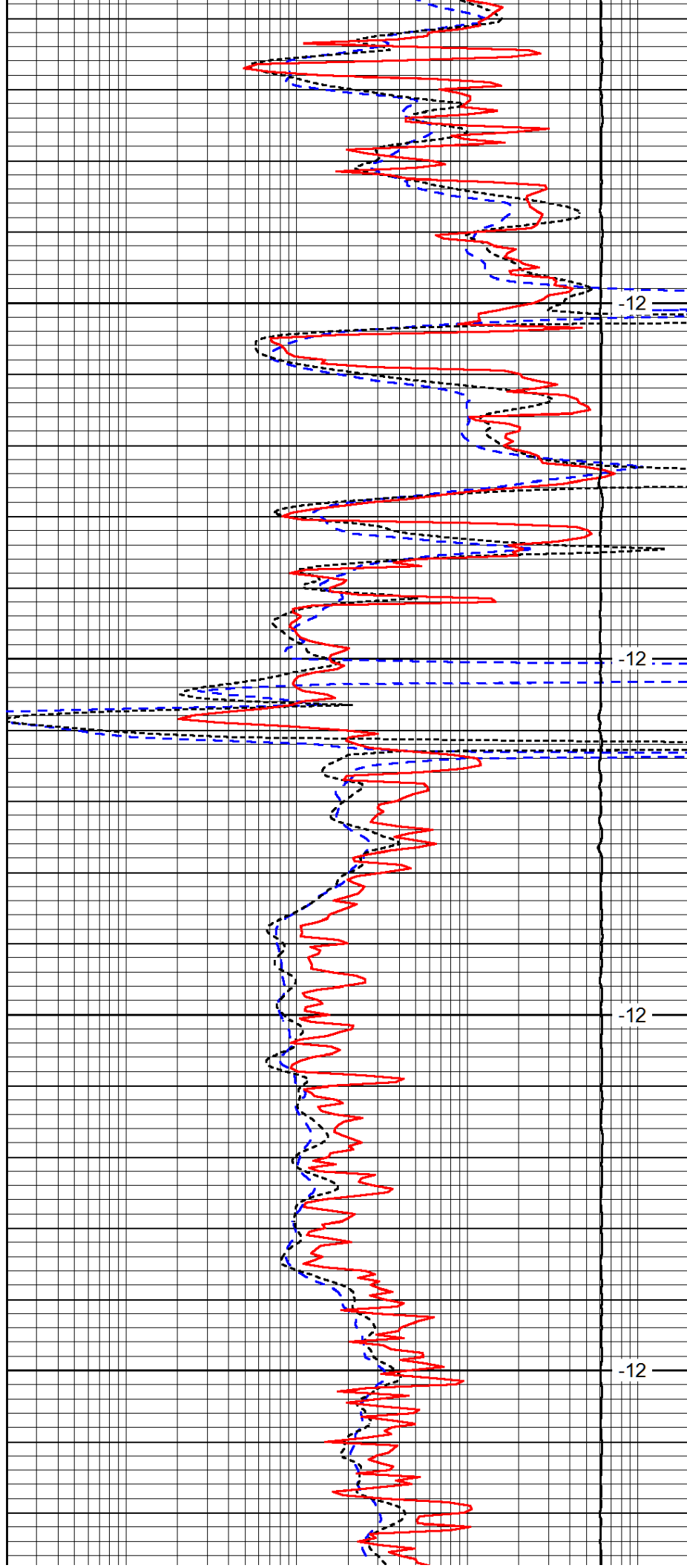


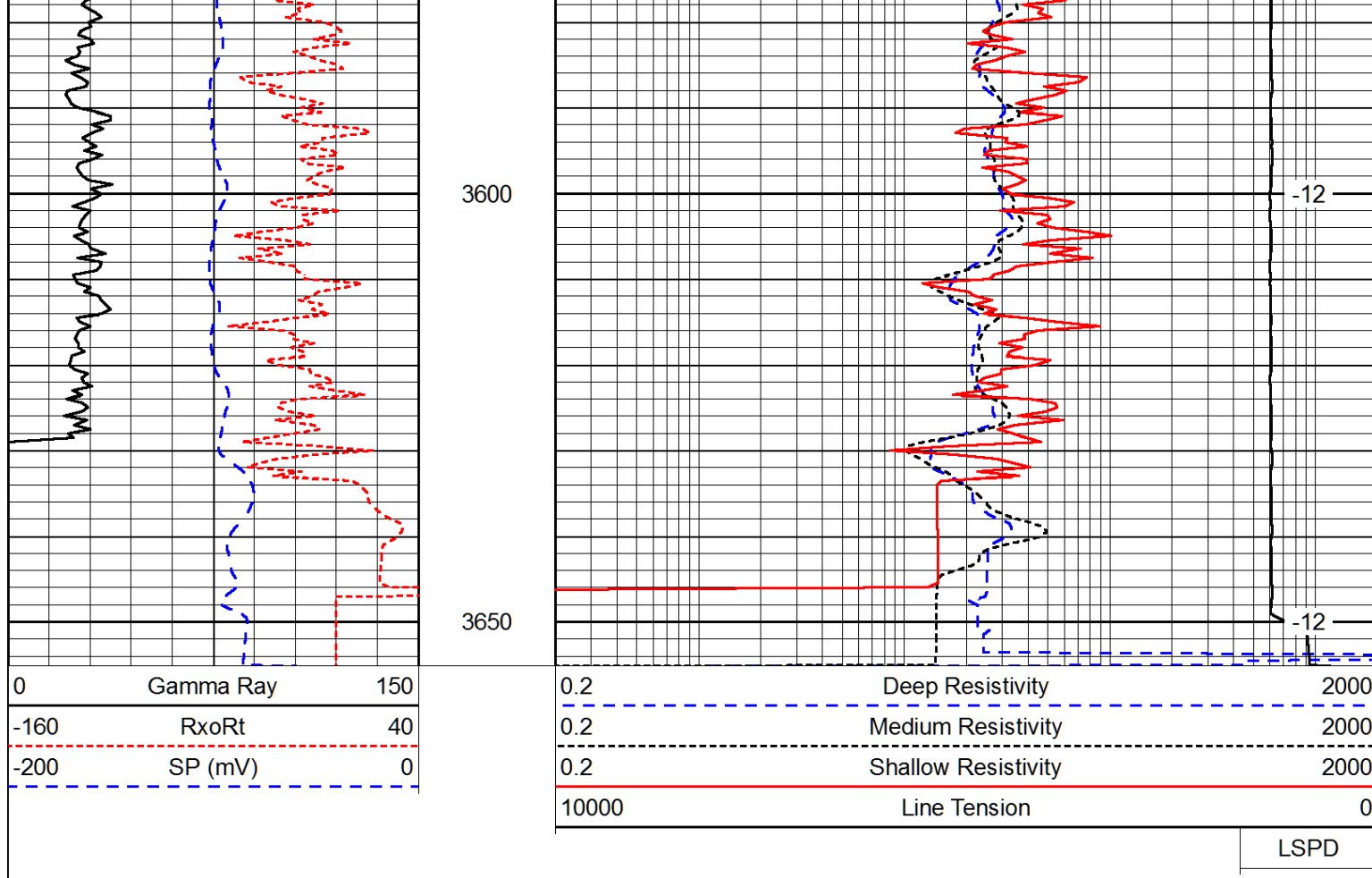
3400

3450

3500

3550







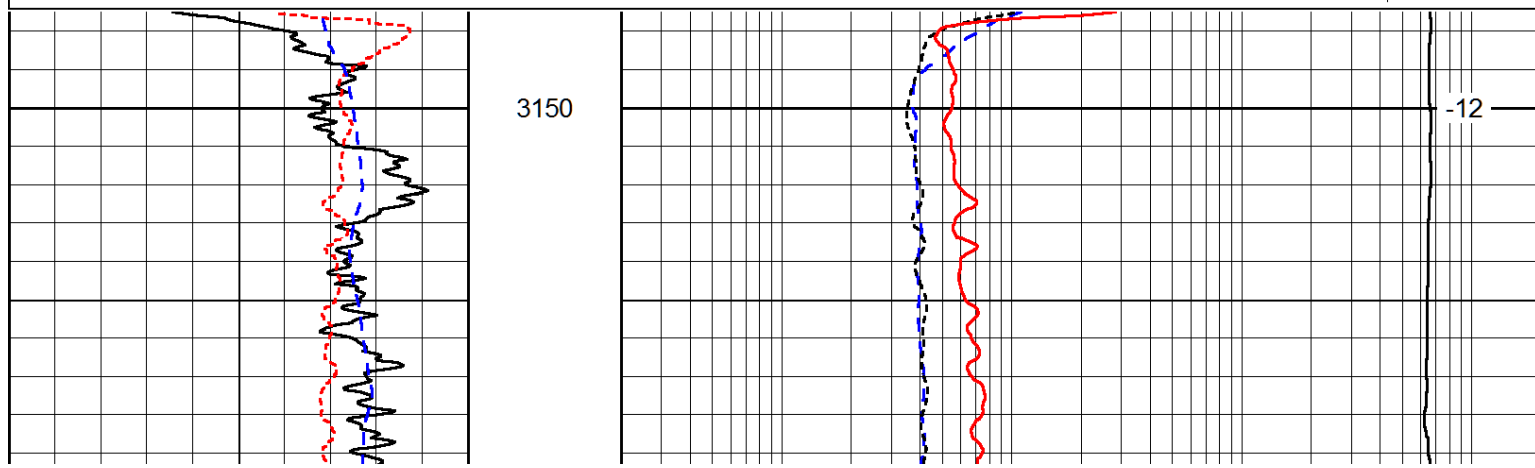
High Resolution

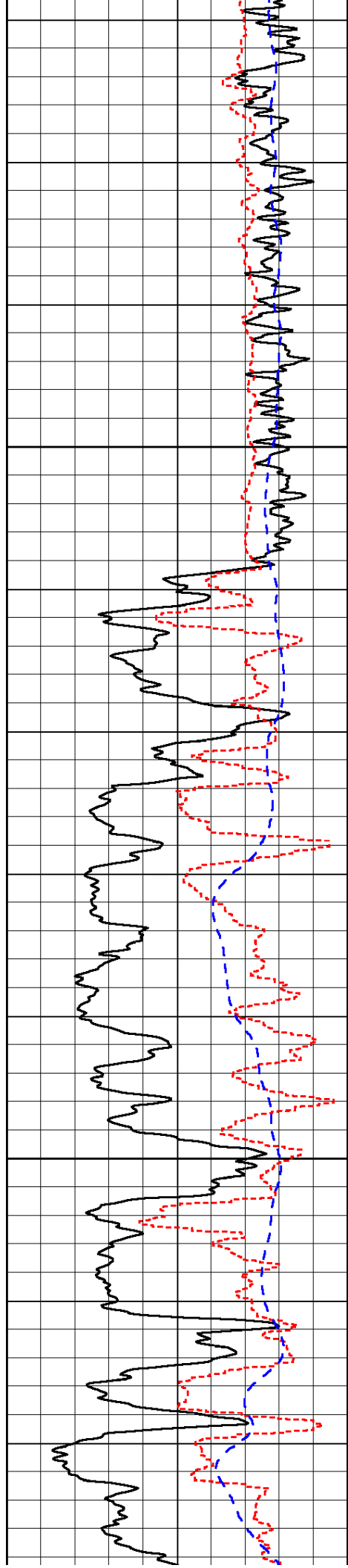
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Presentation Format: dil
Dataset Creation: Fri Dec 05 16:23:57 2014
Charted by: Depth in Feet scaled 1:120

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

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

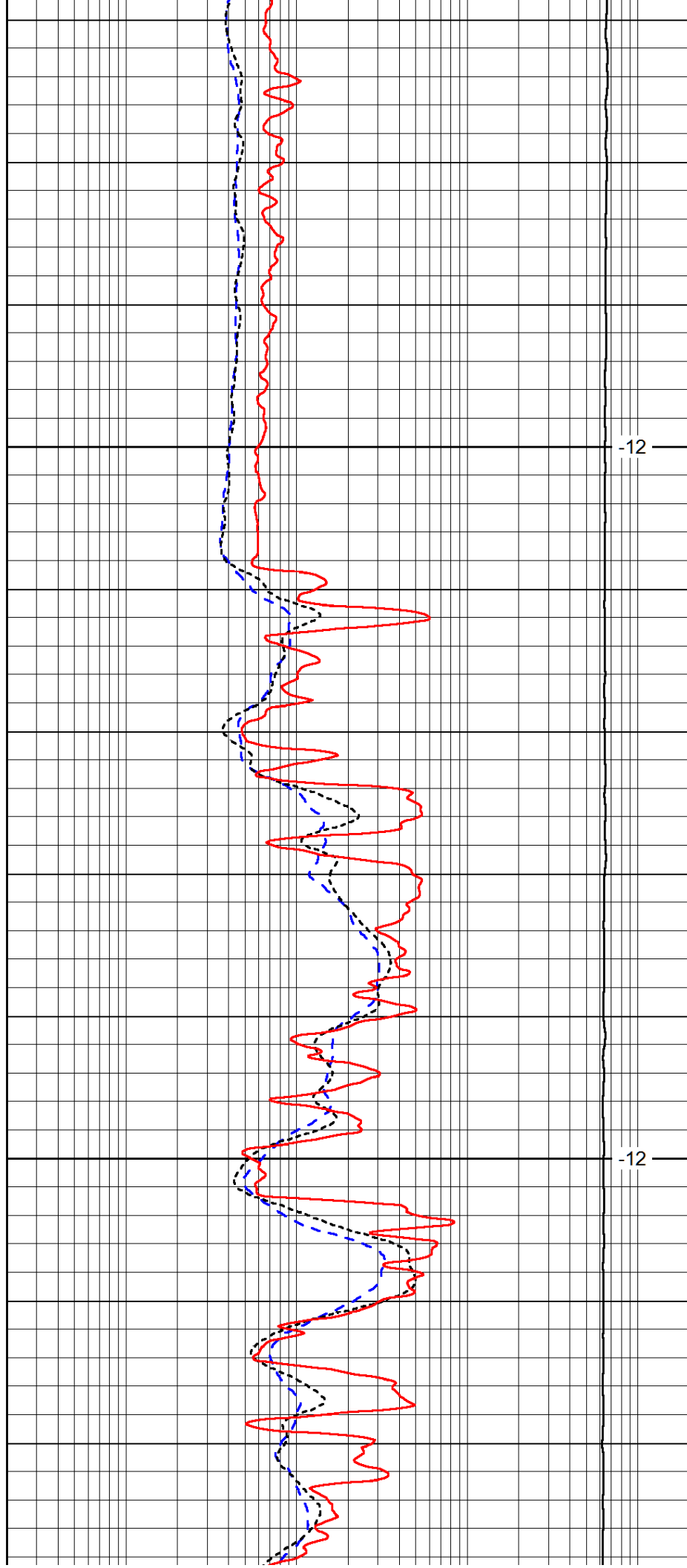
LSPD





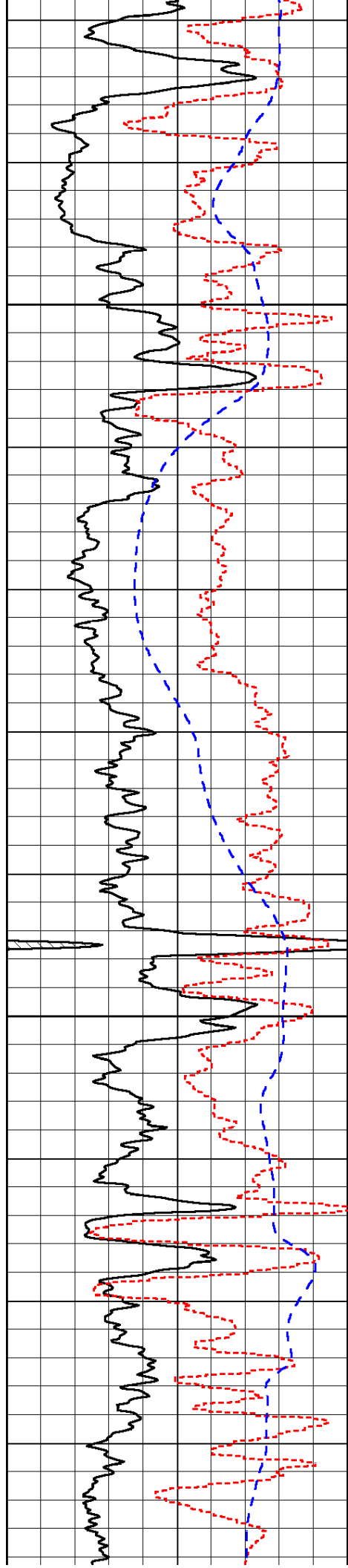
3200

3250



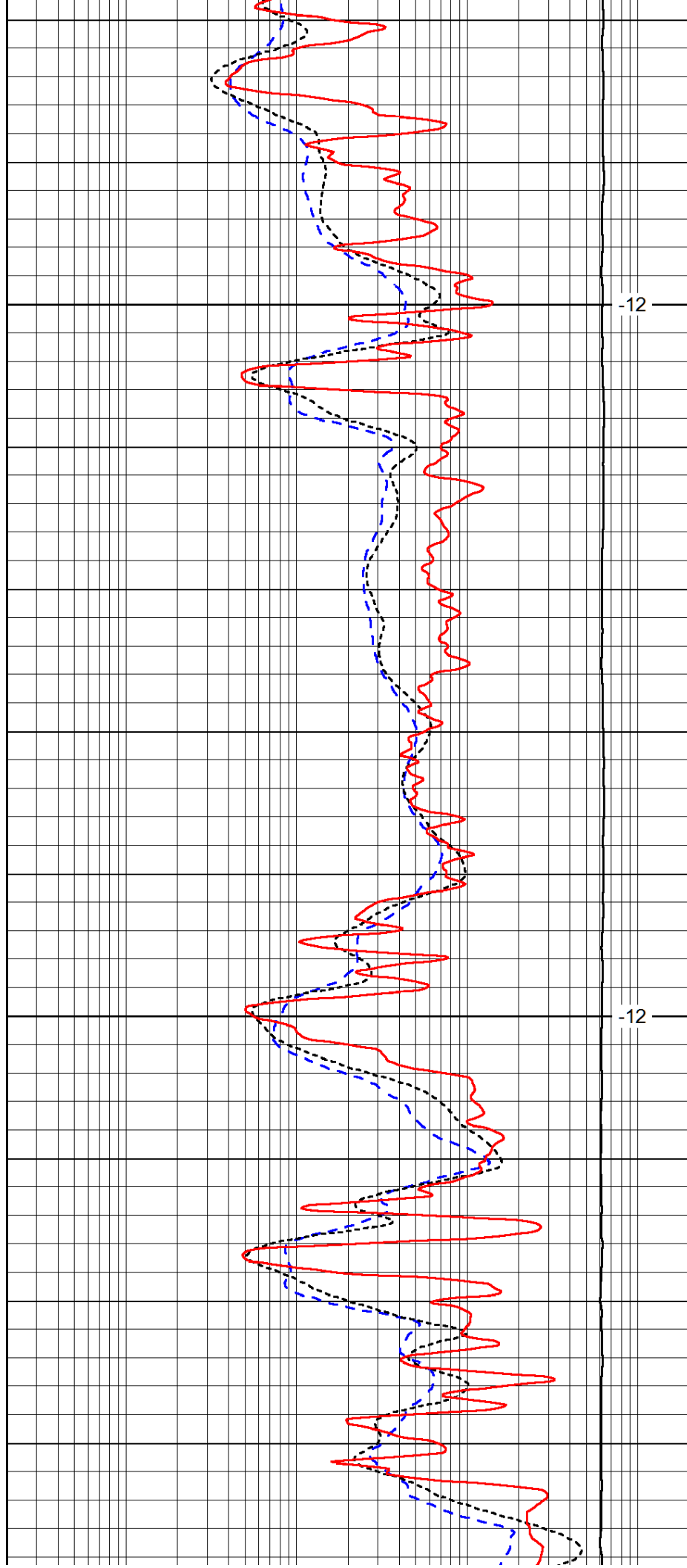
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-12



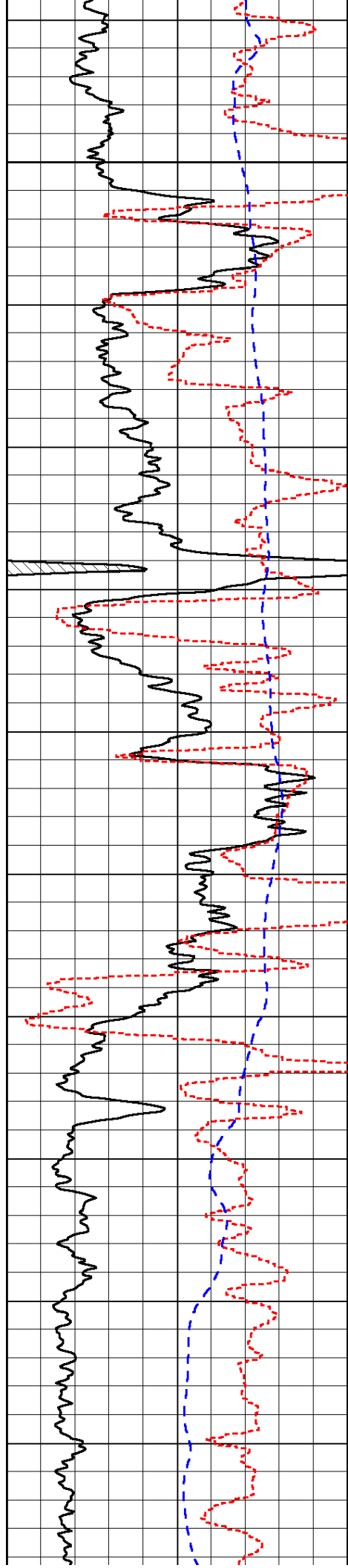
3300

3350



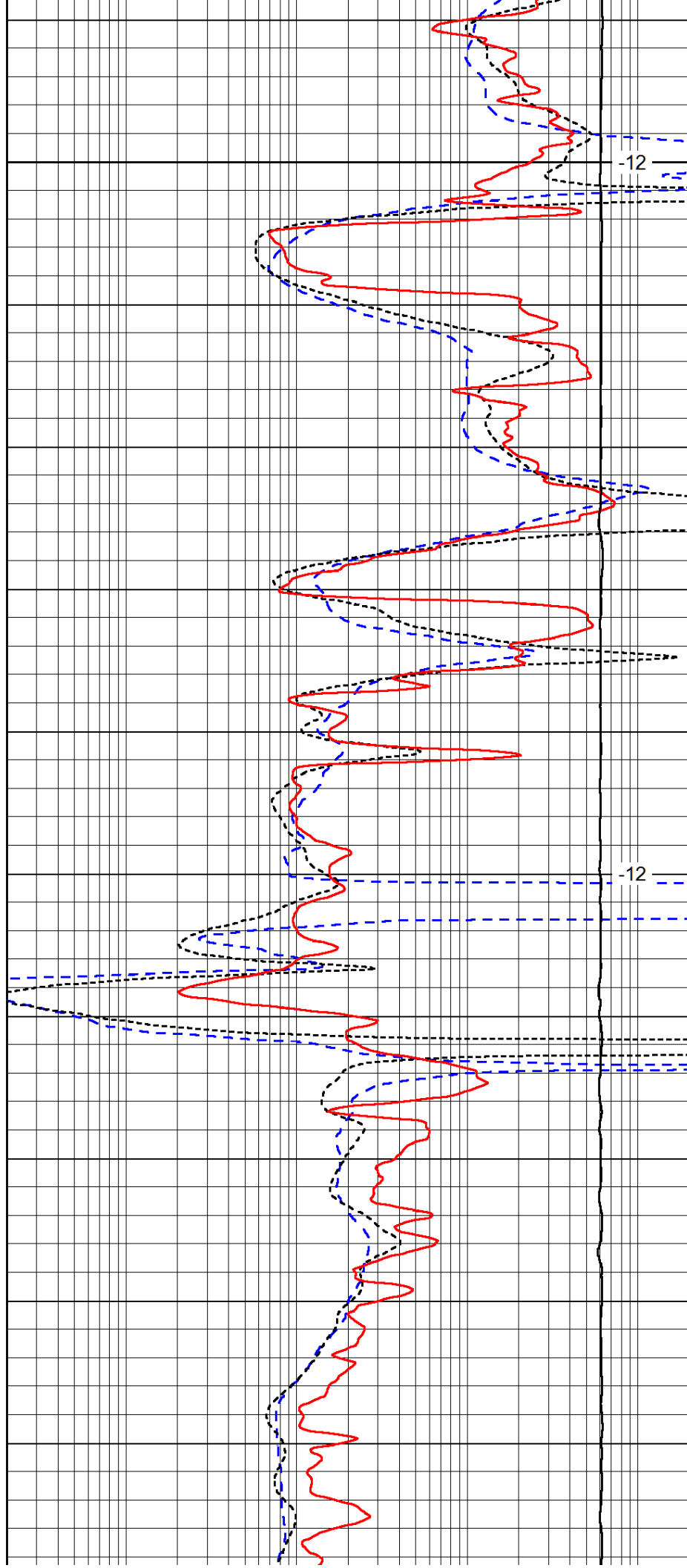
-12

-12



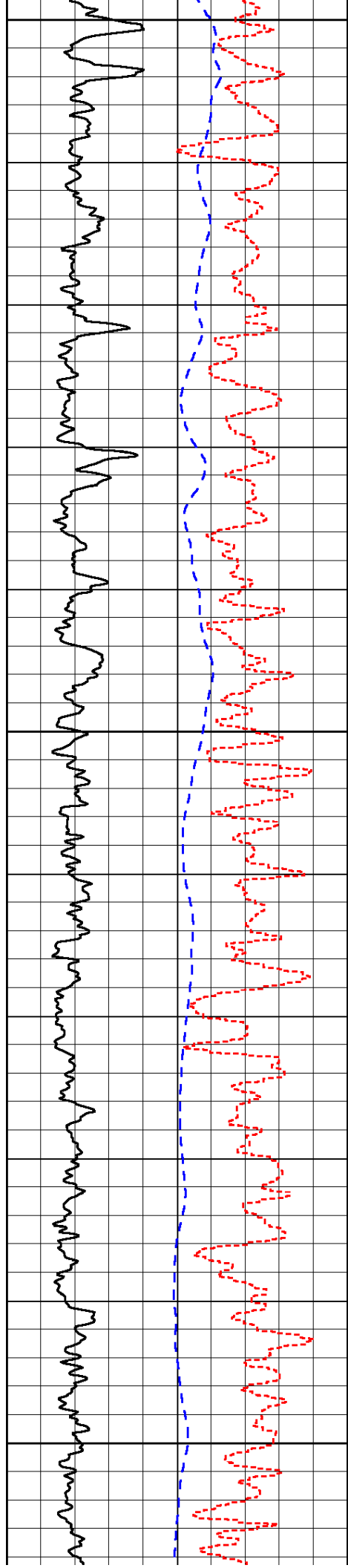
3400

3450



-12

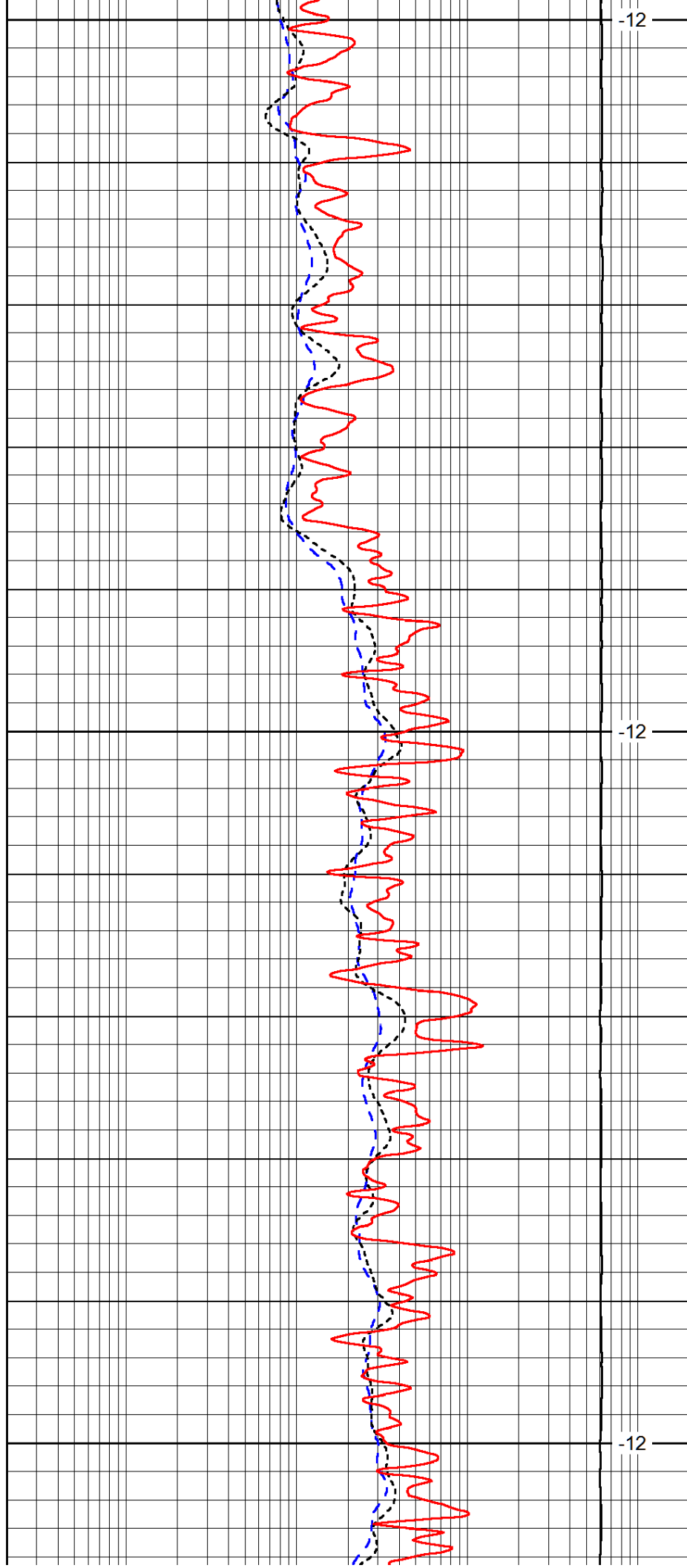
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3500

3550

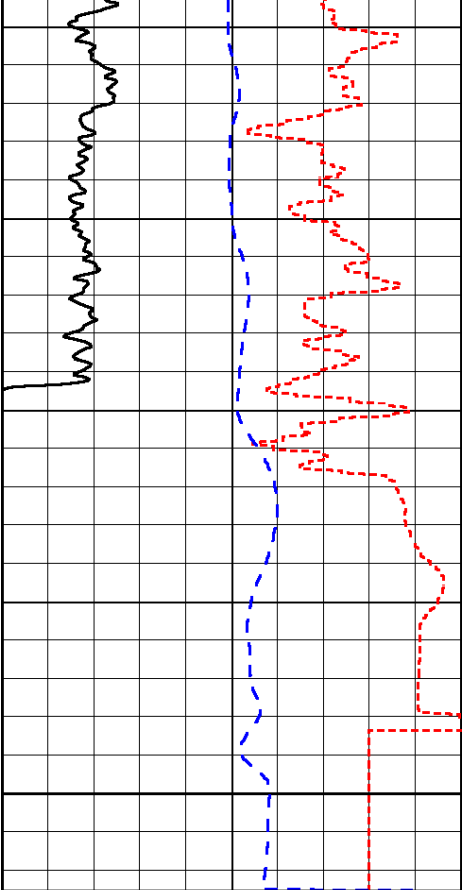
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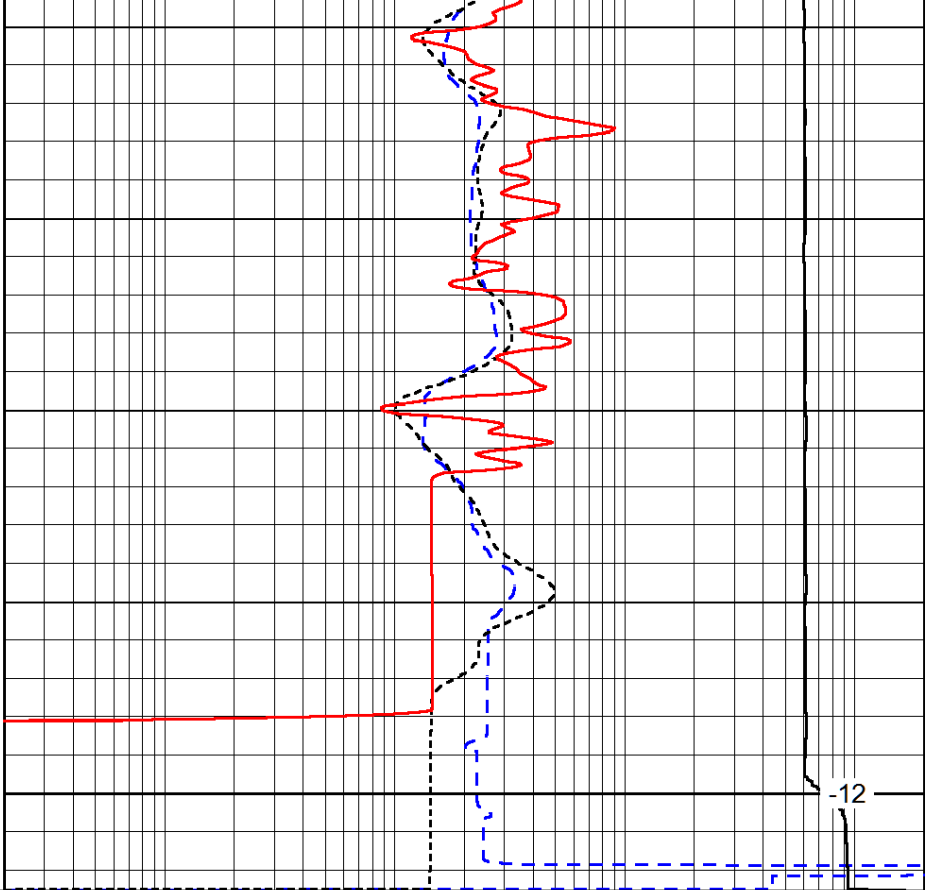
-12

-12

-12



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



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

LSPD