



Pioneer Energy Services

# Dual Induction Log

15-111-20,467-00-00

API No.

Company **Quail Oil & Gas, LC**

Well **Ross No.1-7**

Field

County **Lyon**

State

**Kansas**

Location **2295' FSL & 1980' FEL**

Other Services  
CNL/CDL  
BHCS

Sec: **7**

Twp: **18 S**

Rge: **10 E**

Elevation

K.B. 1303.5

D.F. 1294.5

G.L. 1294.5

Permanent Datum **Ground Level** Elevation **1294.5**

Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Date **11/30/2012**

Run Number **One**

Depth Driller **2522**

Depth Logger **2518**

Bottom Logged Interval **2517**

Top Log Interval **100**

Casing Driller **8.625 @ 140**

Casing Logger **135**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity,ppm CL **1200**

Density / Viscosity **9.1 40**

pH / Fluid Loss **9.5 8.4**

Source of Sample **Flowline**

Rm @ Meas. Temp **1.40 @ 64**

Rmf @ Meas. Temp **1.05 @ 64**

Rmc @ Meas. Temp **1.89 @ 64**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.89 @ 101**

Operating Rig Time **3 1/2 Hours**

Max Rec. Temp. F **101**

Equipment Number **15**

Location **Hays**

Recorded By **D.Kerr**

Witnessed By **Dave Barker**

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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

Thank you for using Pioneer Energy Services  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858  
 Americrus KS, West at Stop Sign(Blinking Light)  
 3 To C RD, 1 South to 230th Rd, 1 1/4 West,  
 North Into

Database File: c:\warrior\data\quail oil & gas\_ross #1-7\quail\_ross\_1\_7hd.db  
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 Presentation Format: dil2in  
 Dataset Creation: Fri Nov 30 09:14:55 2012  
 Charted by: Depth in Feet scaled 1:600

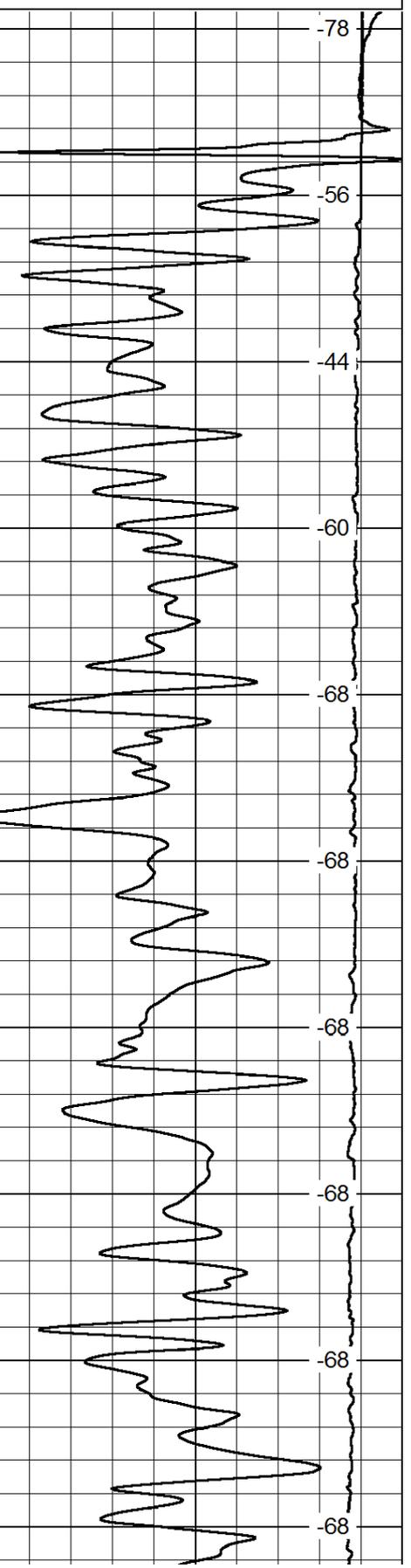
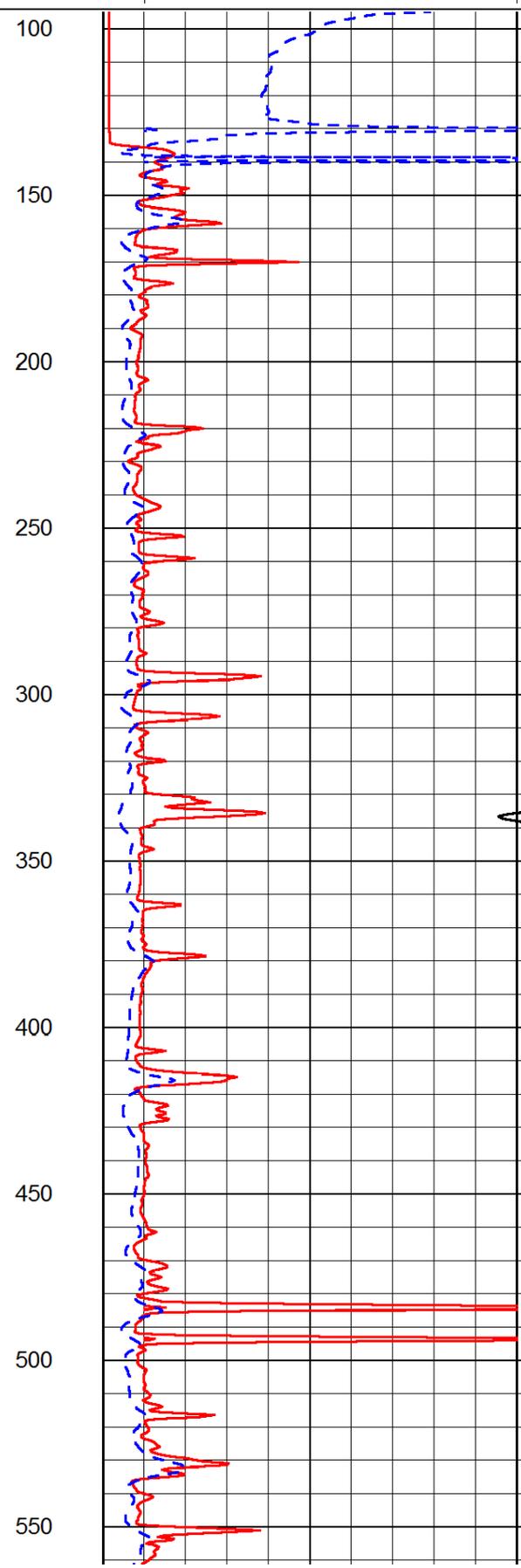
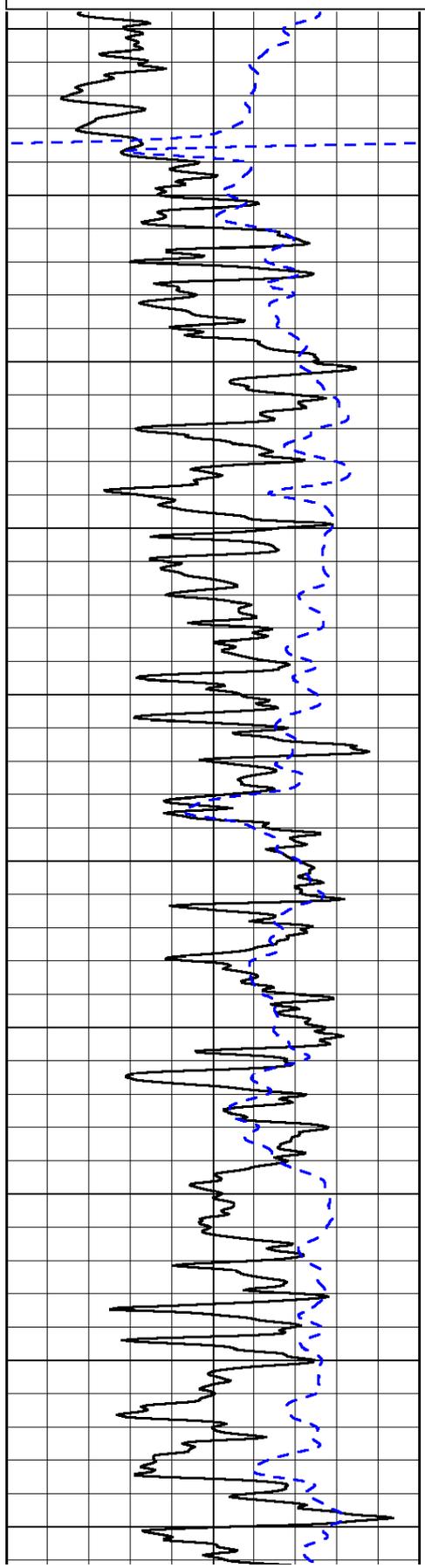
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-200	SP (mV)	0

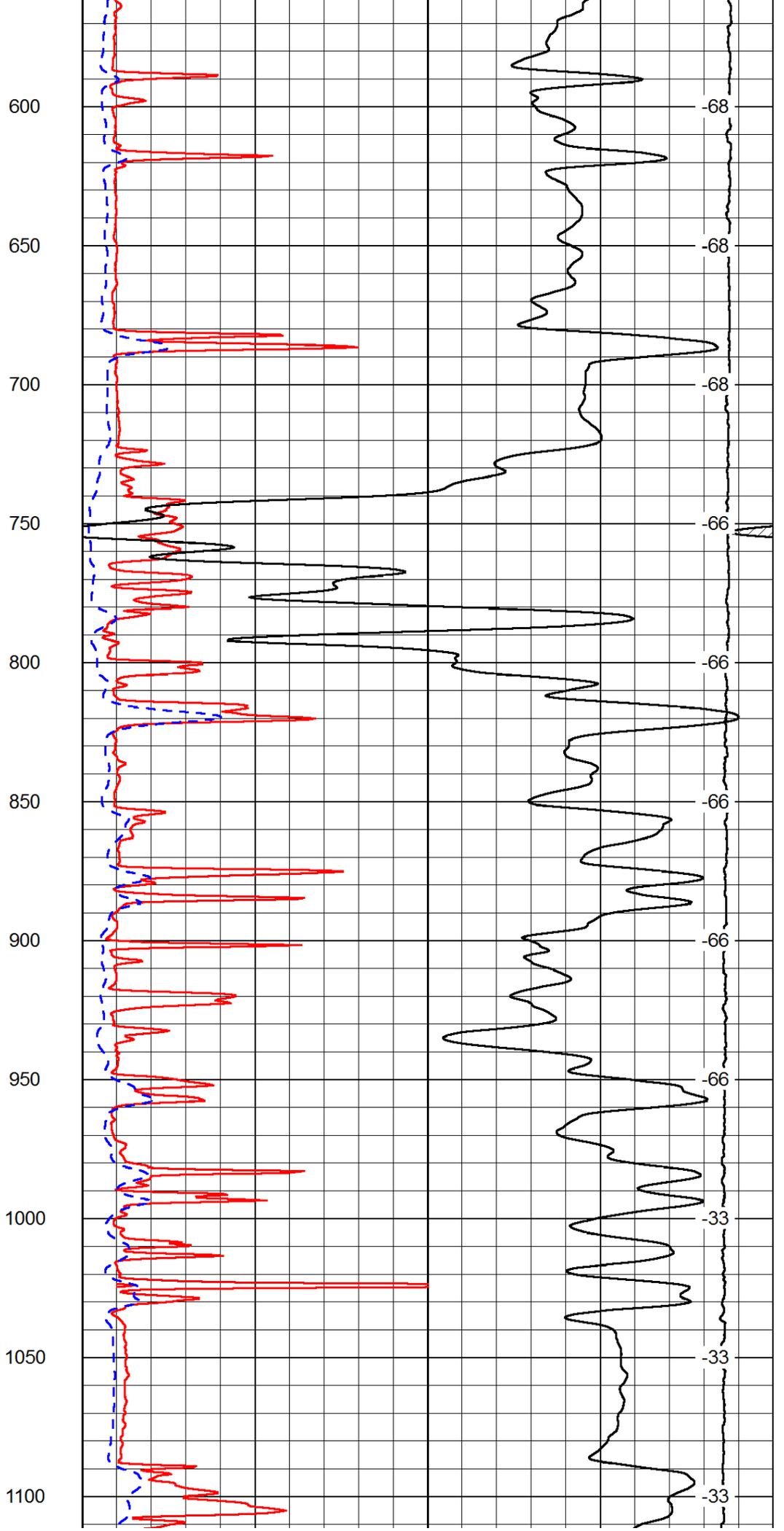
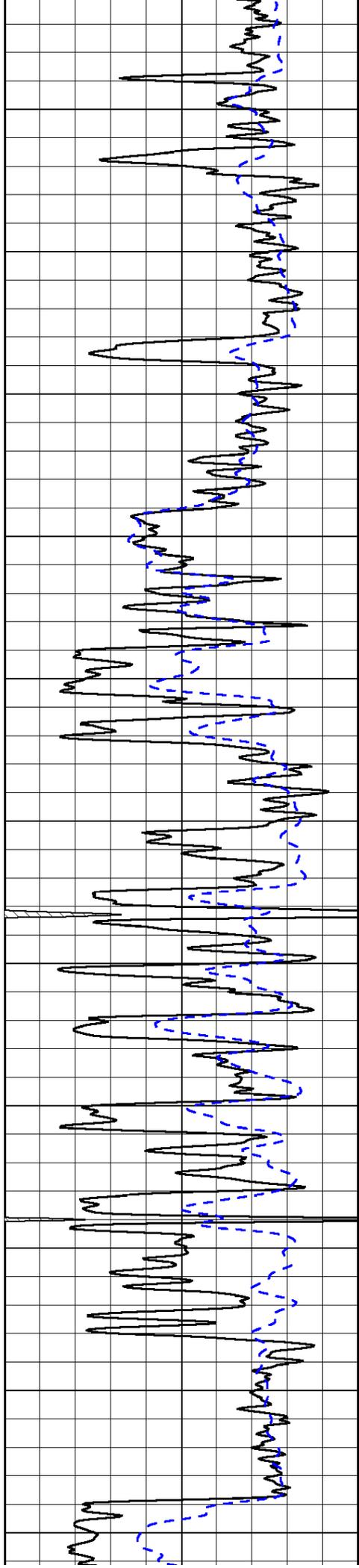
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0	Deep Resistivity	50

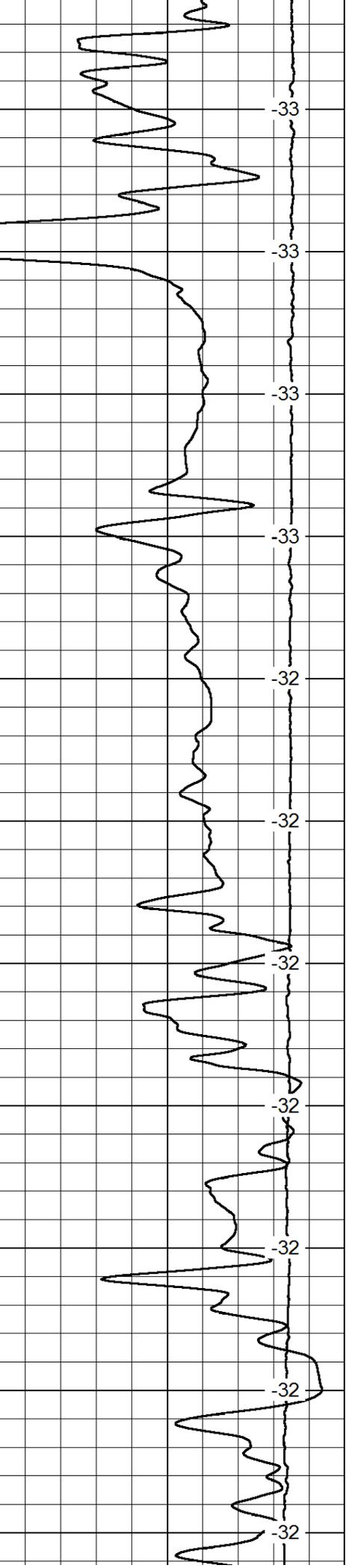
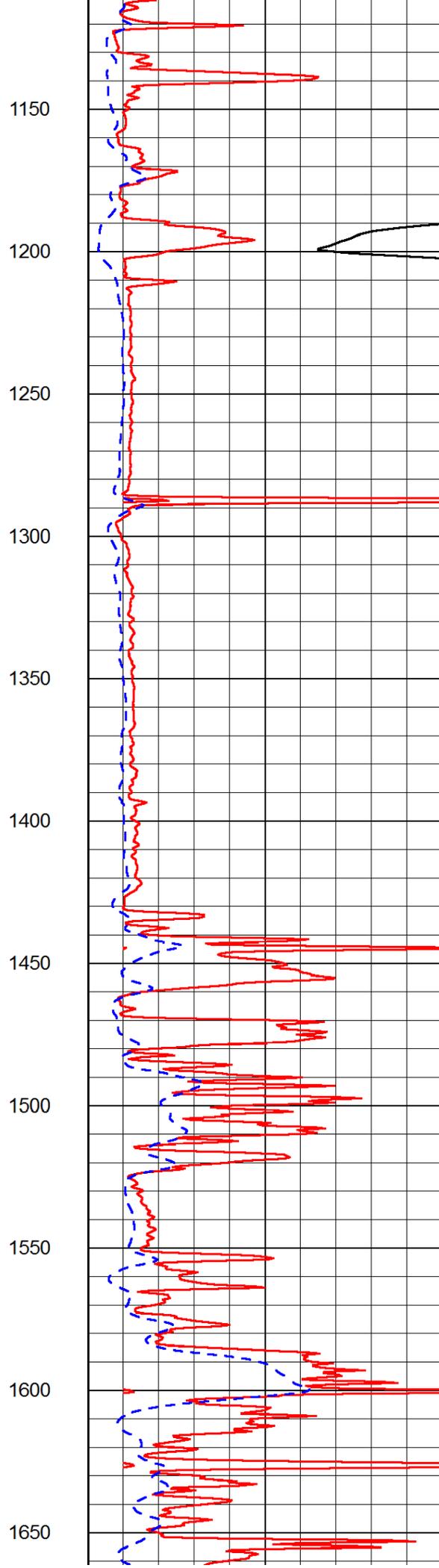
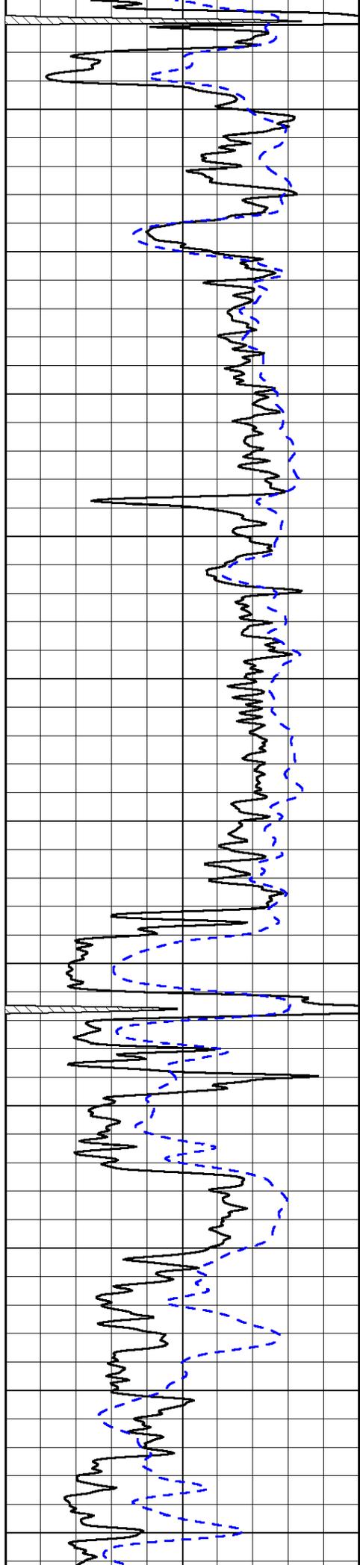
LSPD

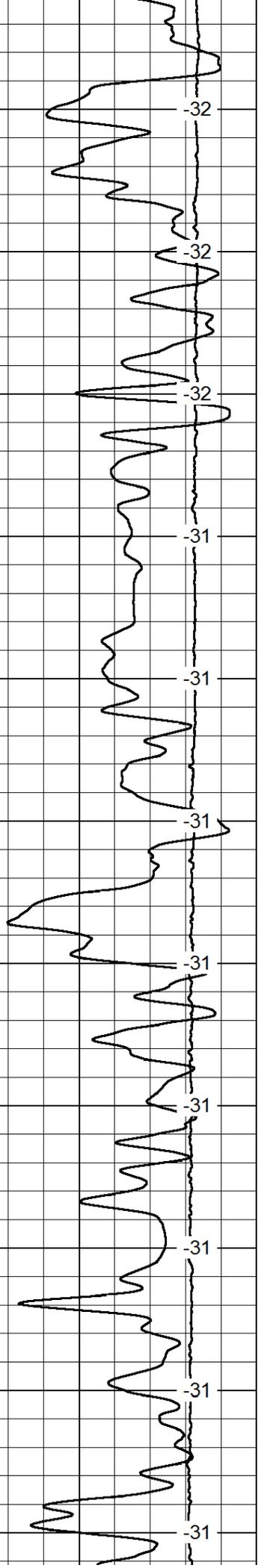
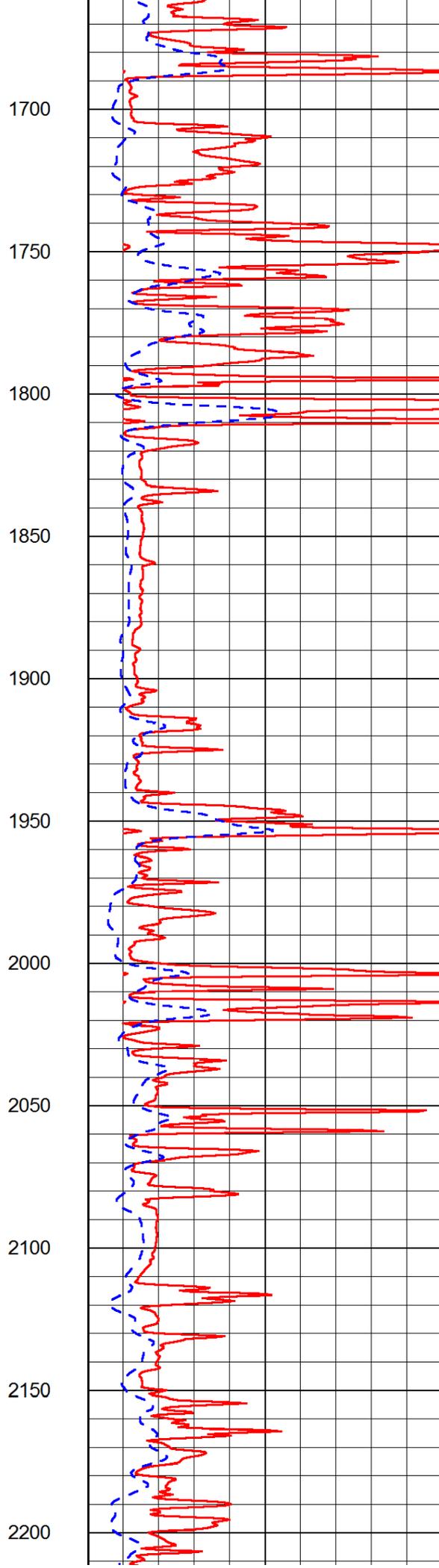
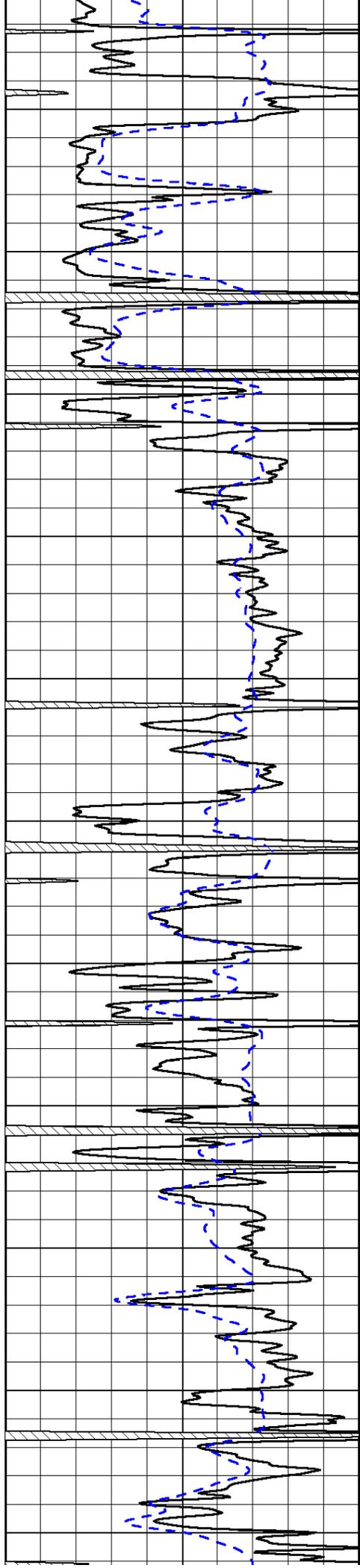
1000	Conductivity	0
15000	Line Tension	0

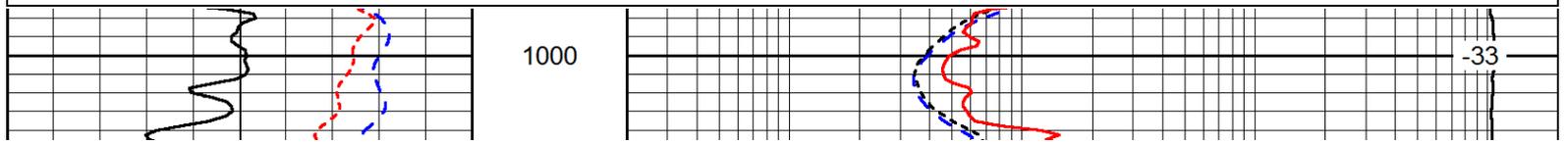
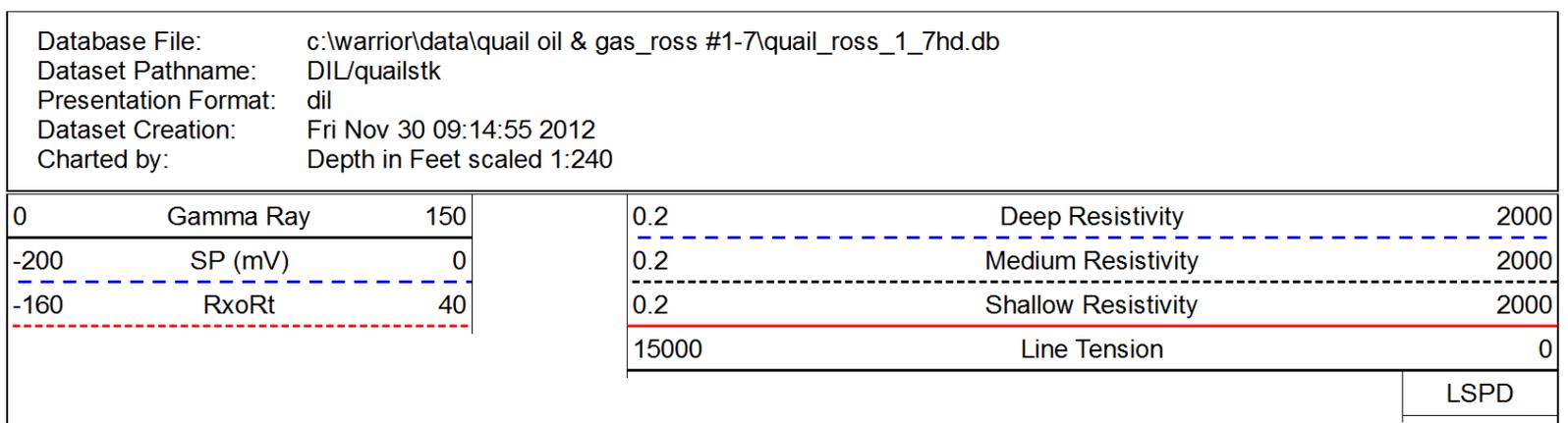
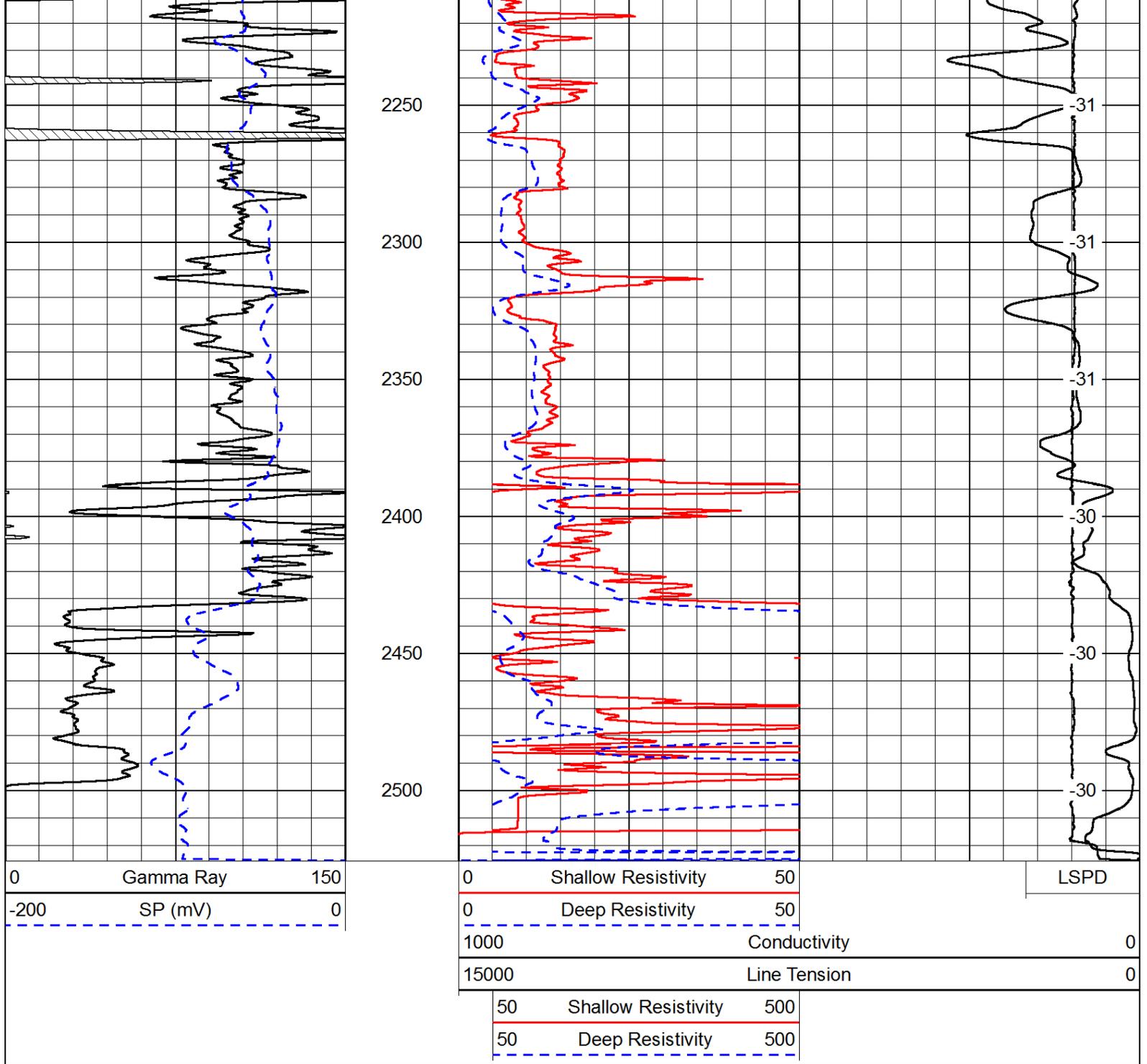
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50	Deep Resistivity	500

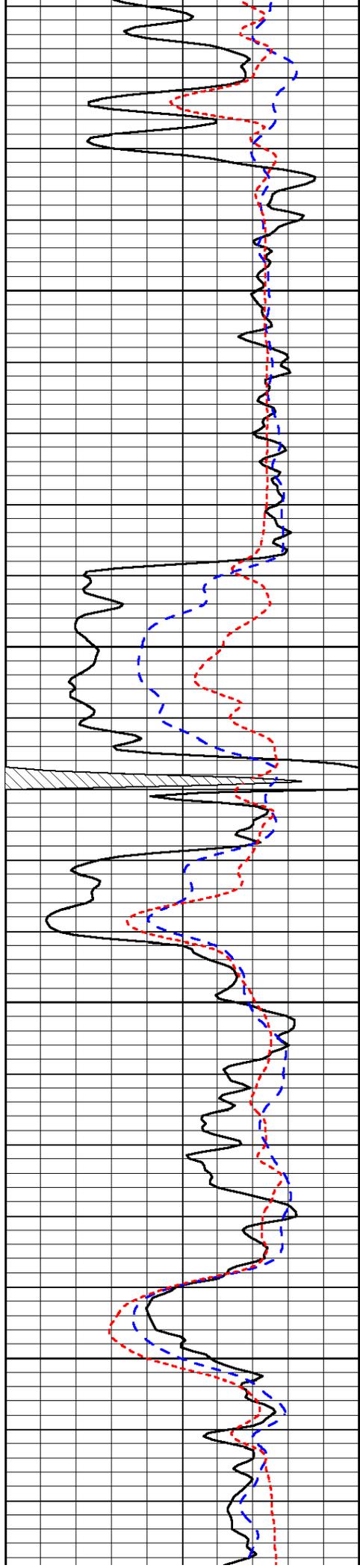










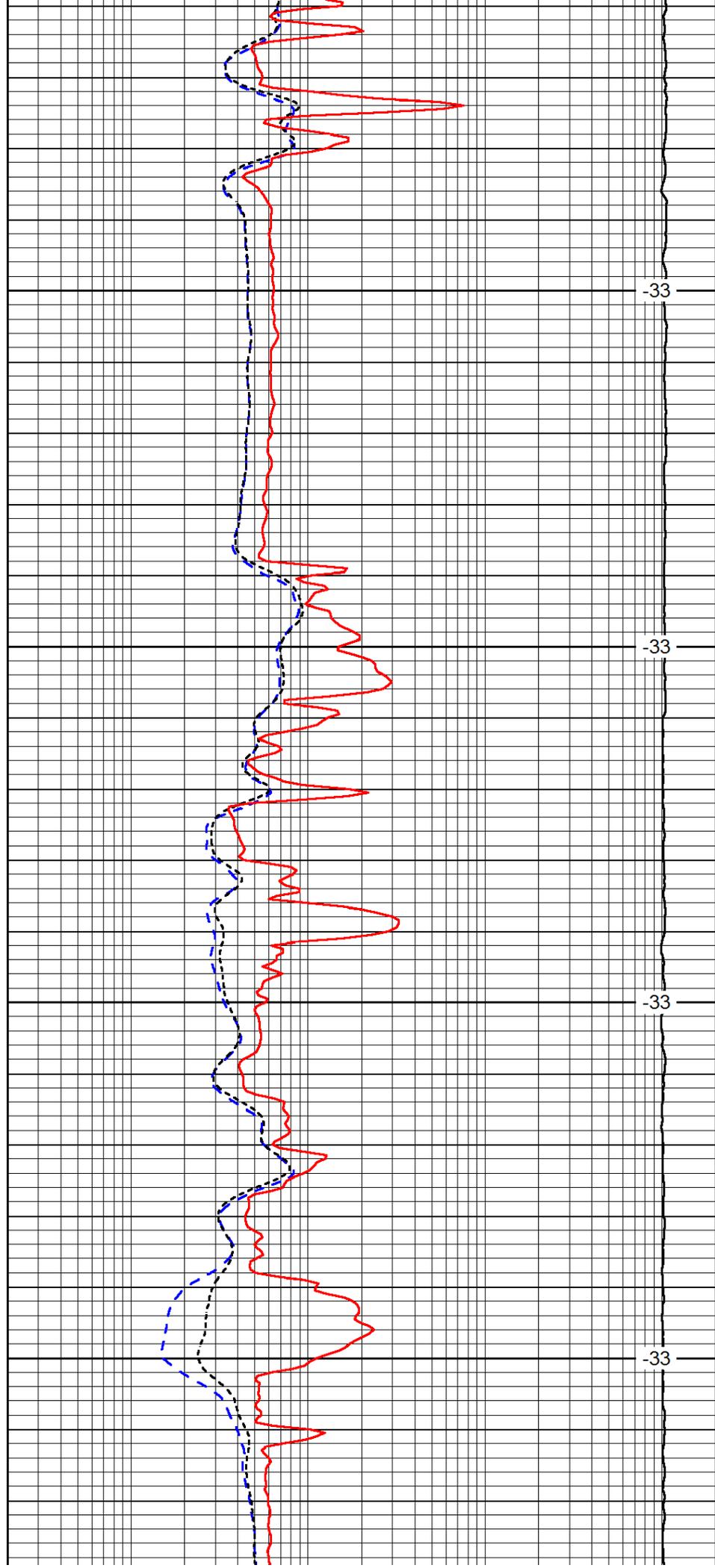


1050

1100

1150

1200

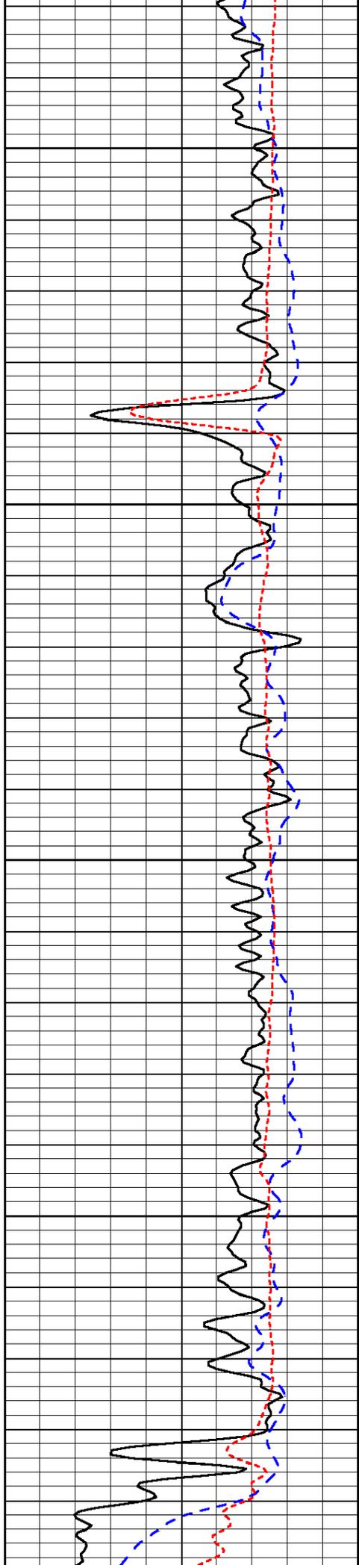


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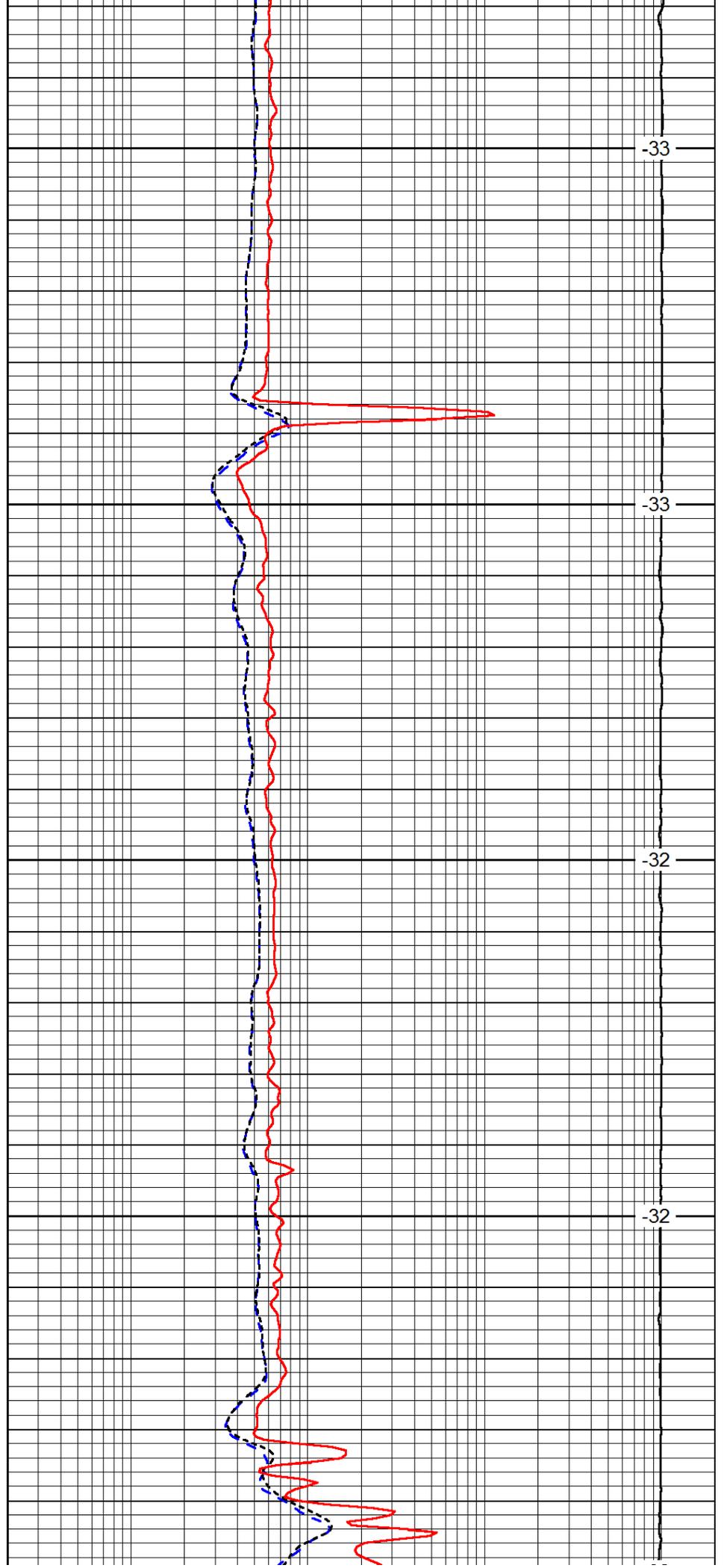


1250

1300

1350

1400

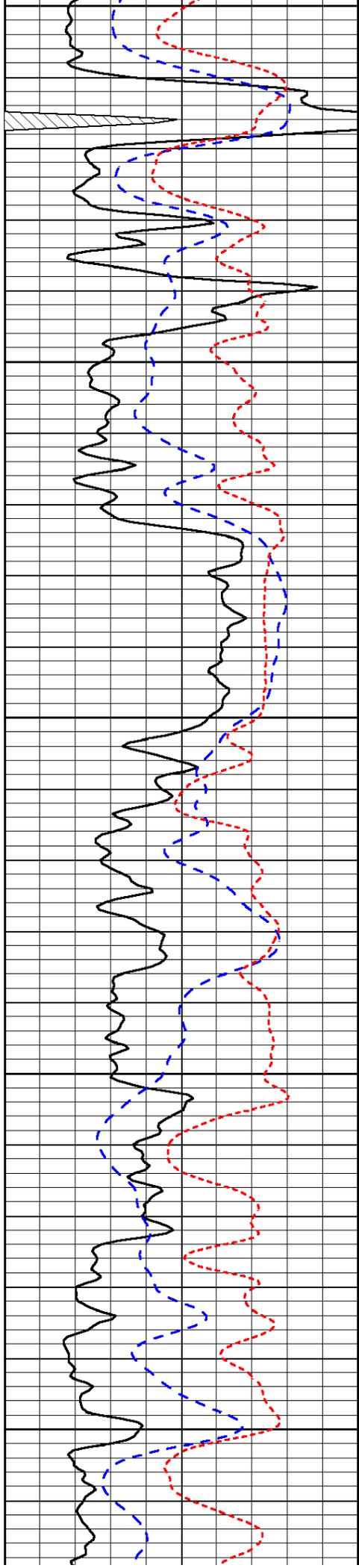


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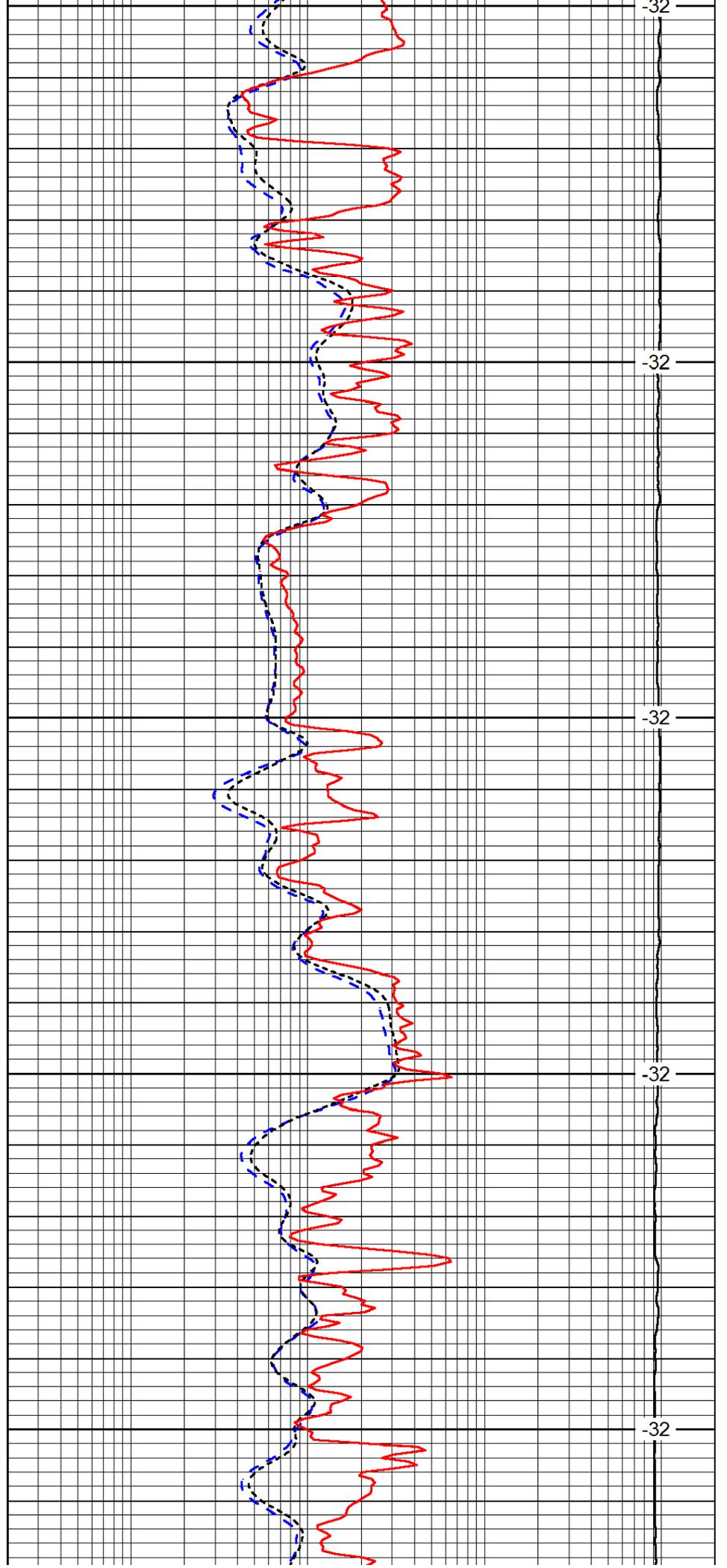
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1500

1550

1600

1650



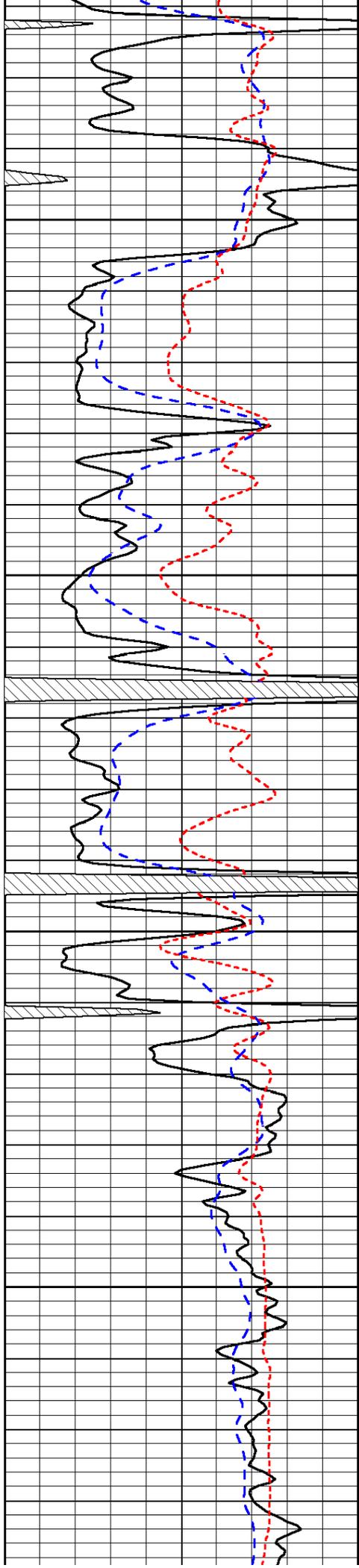
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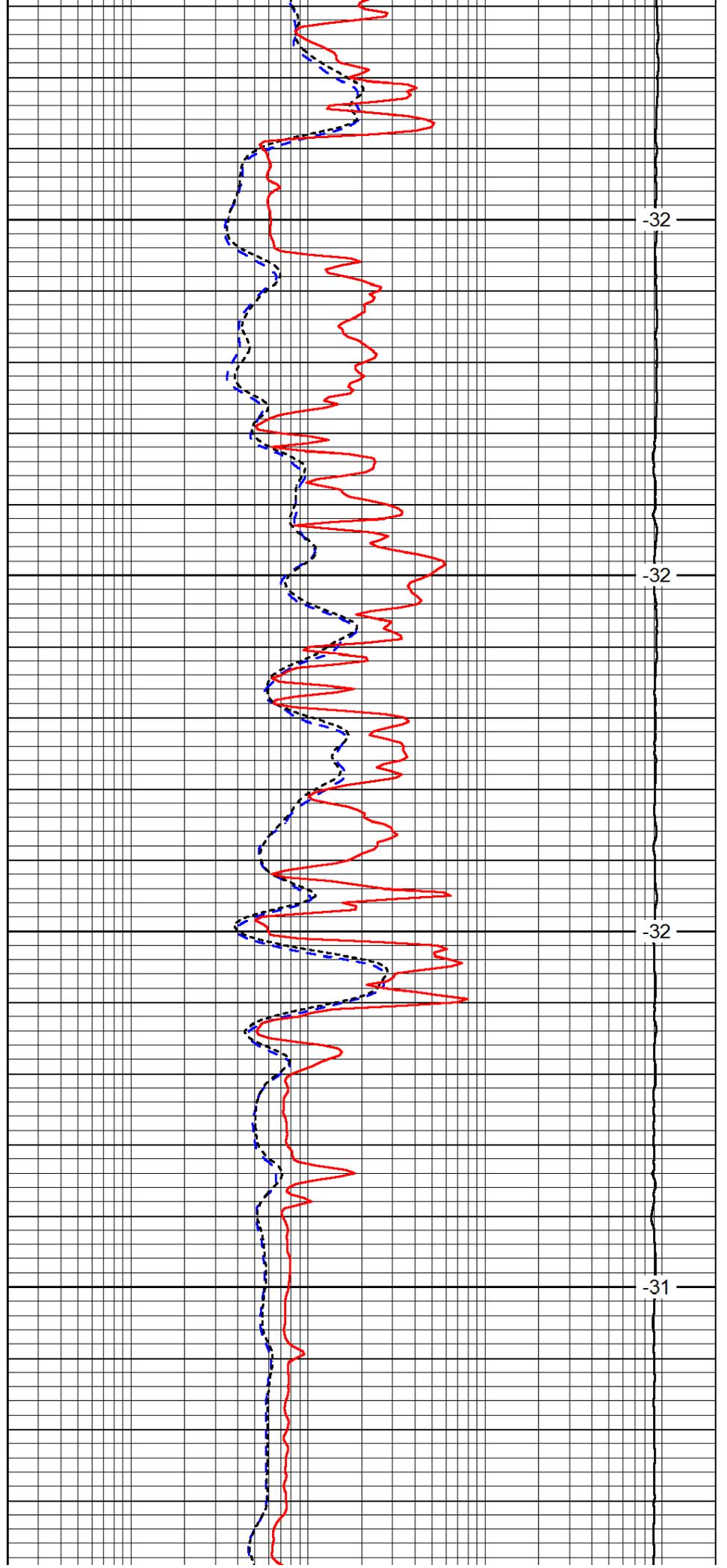


1700

1750

1800

1850

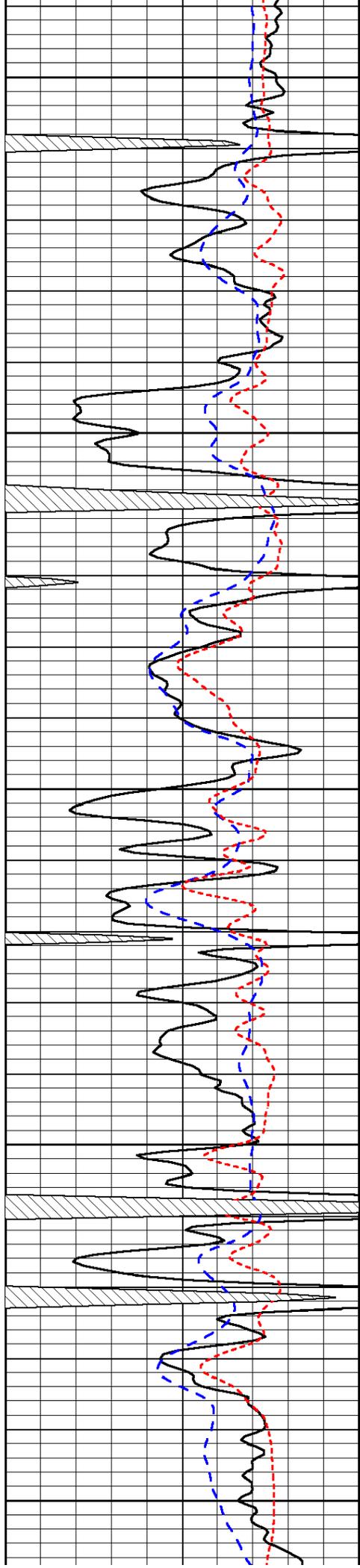


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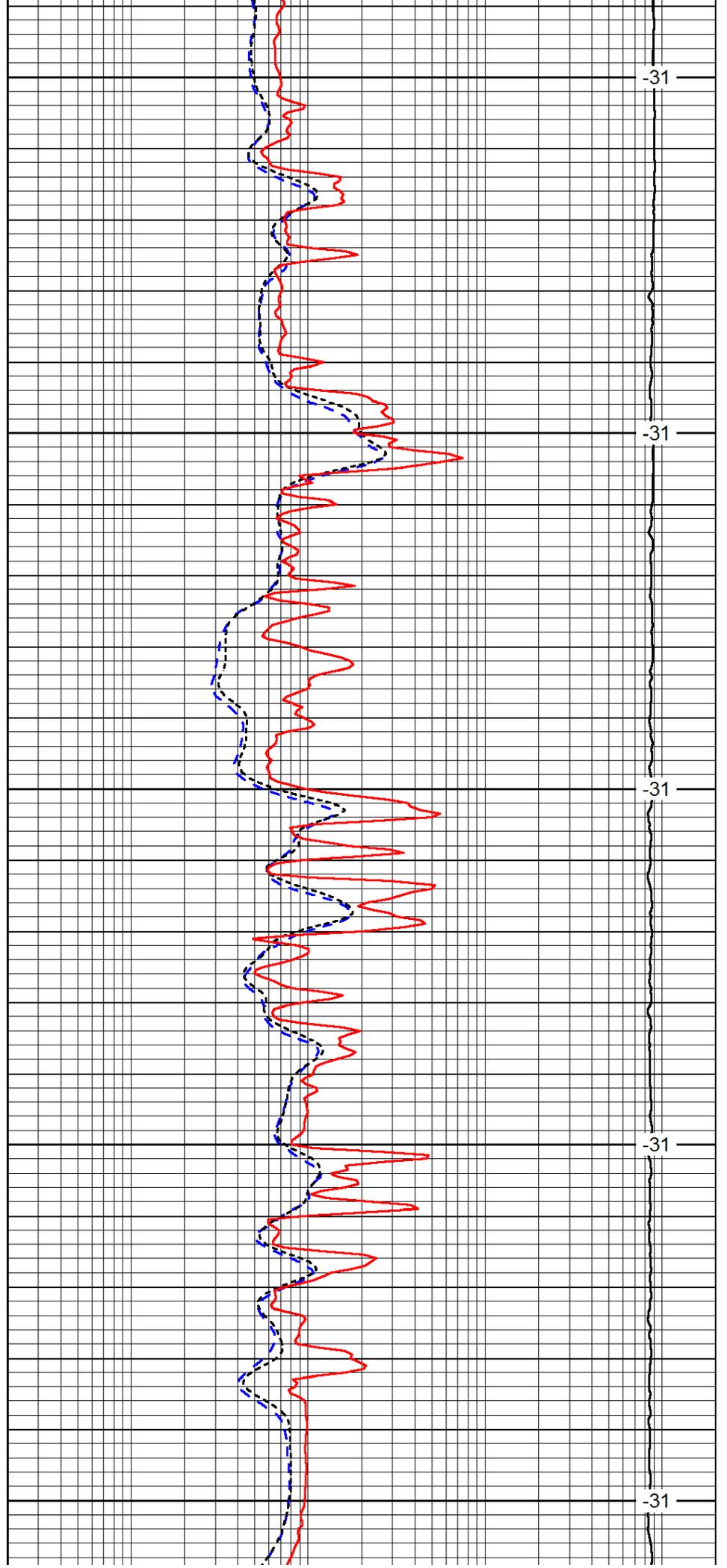
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1950

2000

2050

2100



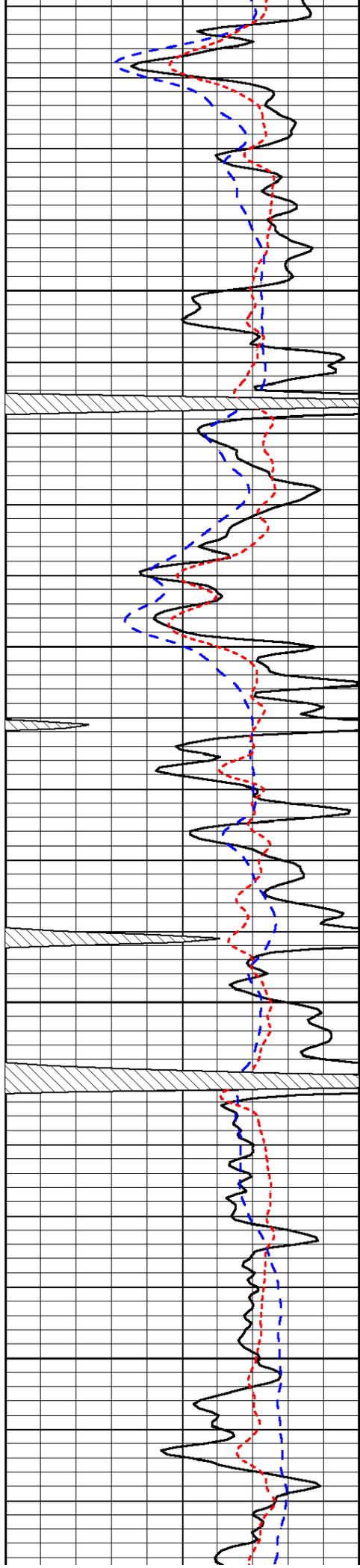
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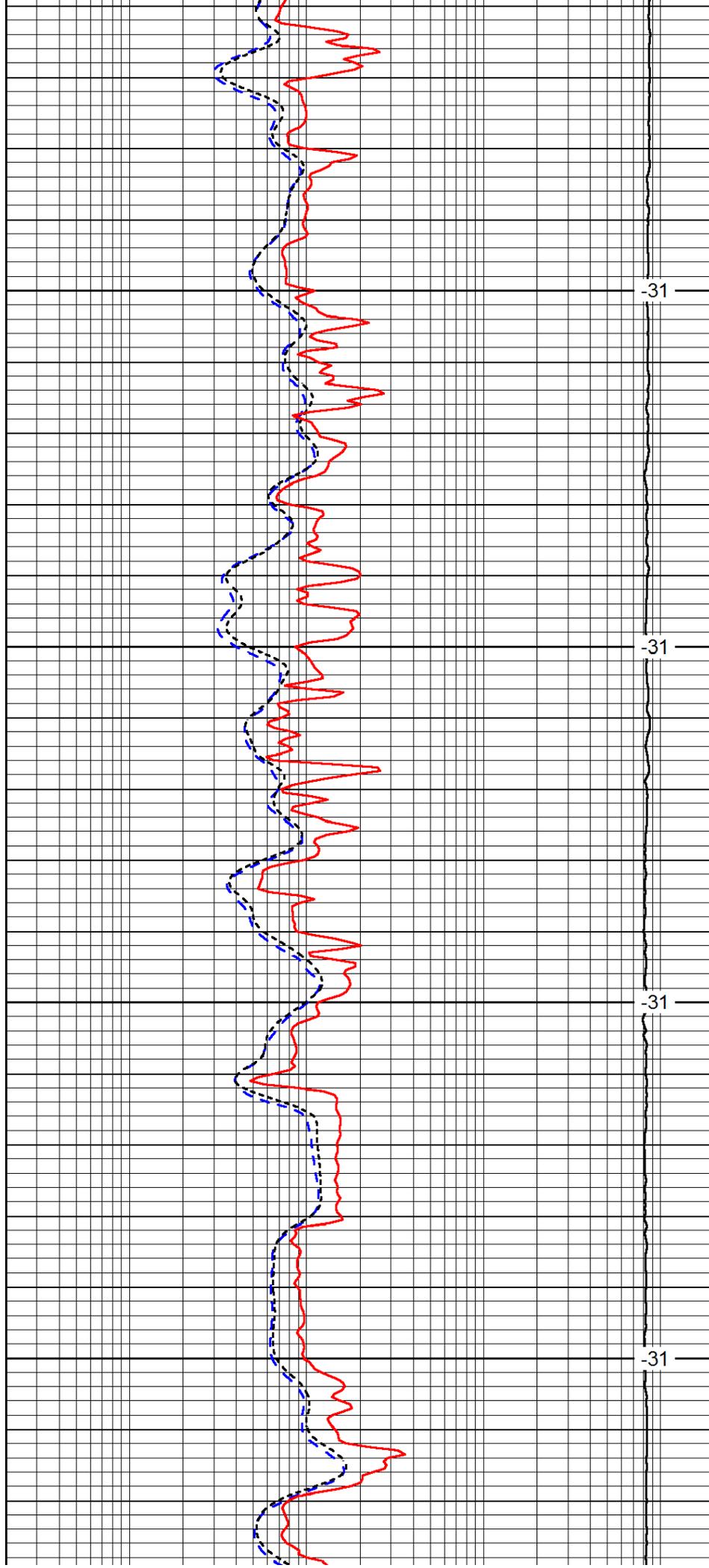


2150

2200

2250

2300

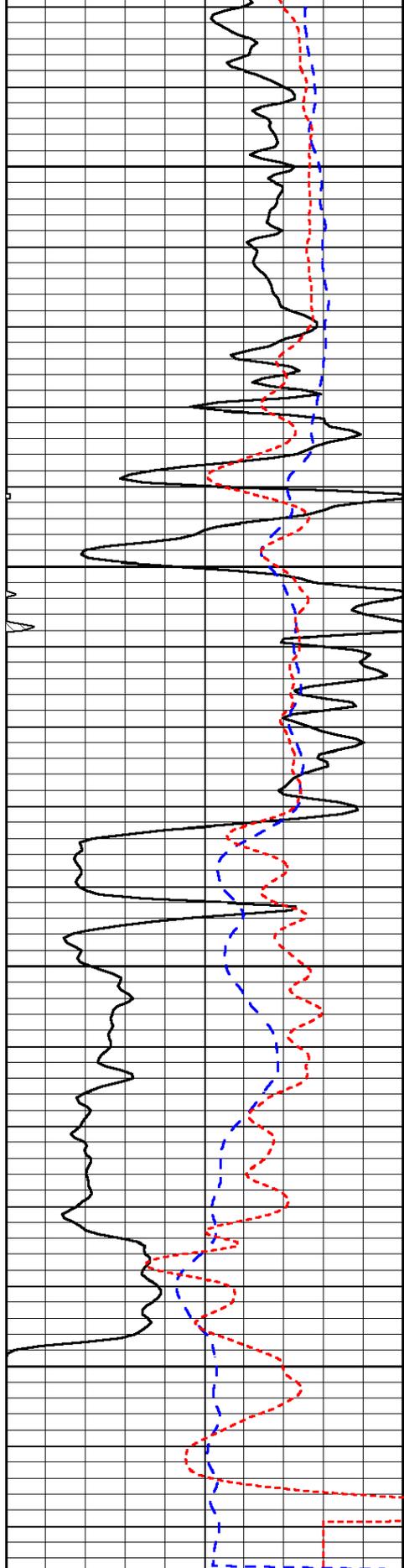


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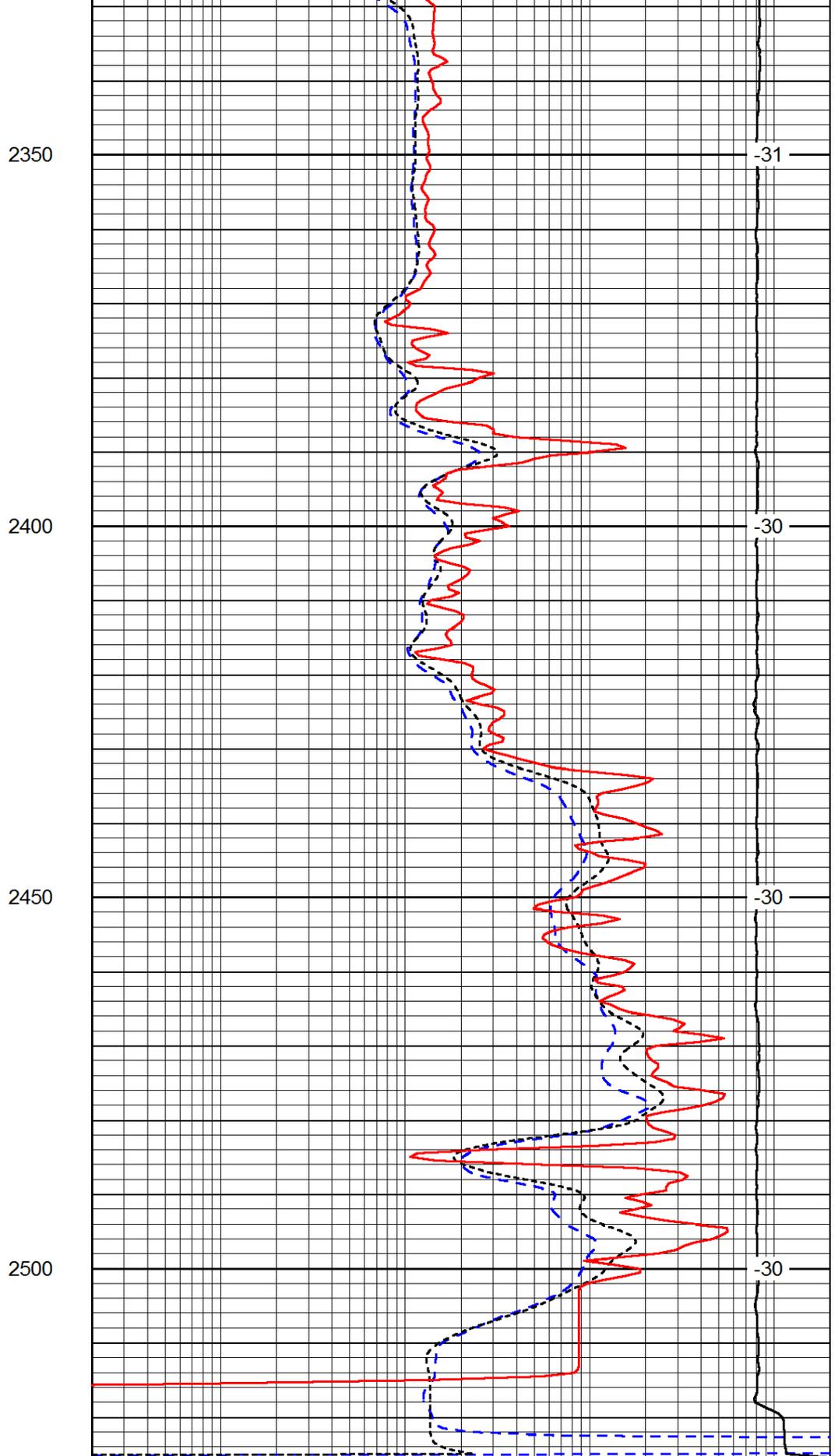
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0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



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

