



Pioneer Energy Services

Dual Induction Log

API No.

15-009-24,483-00-01

Company Edison Operating Company, LLC

Well Henry Zahorsky 'OWWO' No. 9

Field Chase-Silica

County

Barton

State

Kansas

Location

1,320' FSL & 1,320' FEL

Sec: 14

Twp: 20S

Rge: 11W

Elevation

Permanent Datum Ground Level Elevation 1751
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1756
D.F.
G.L. 1751

Date 11/10/2014

Run Number One

Depth Driller 3510

Depth Logger 3504

Bottom Logged Interval 3503

Top Log Interval 700

Casing Driller 8.625 @ 736

Casing Logger 735

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 59000

Density / Viscosity 9.2 44

pH / Fluid Loss 9.0 N/C

Source of Sample Flowline

Rm @ Meas. Temp .08 @ 63

Rmf @ Meas. Temp .06 @ 63

Rmc @ Meas. Temp .11 @ 63

Source of Rmf / Rmc Charts

Rm @ BHT .05 @ 111

Operating Rig Time 4 Hours

Max Rec. Temp. F 111

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Kelly Brannum

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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

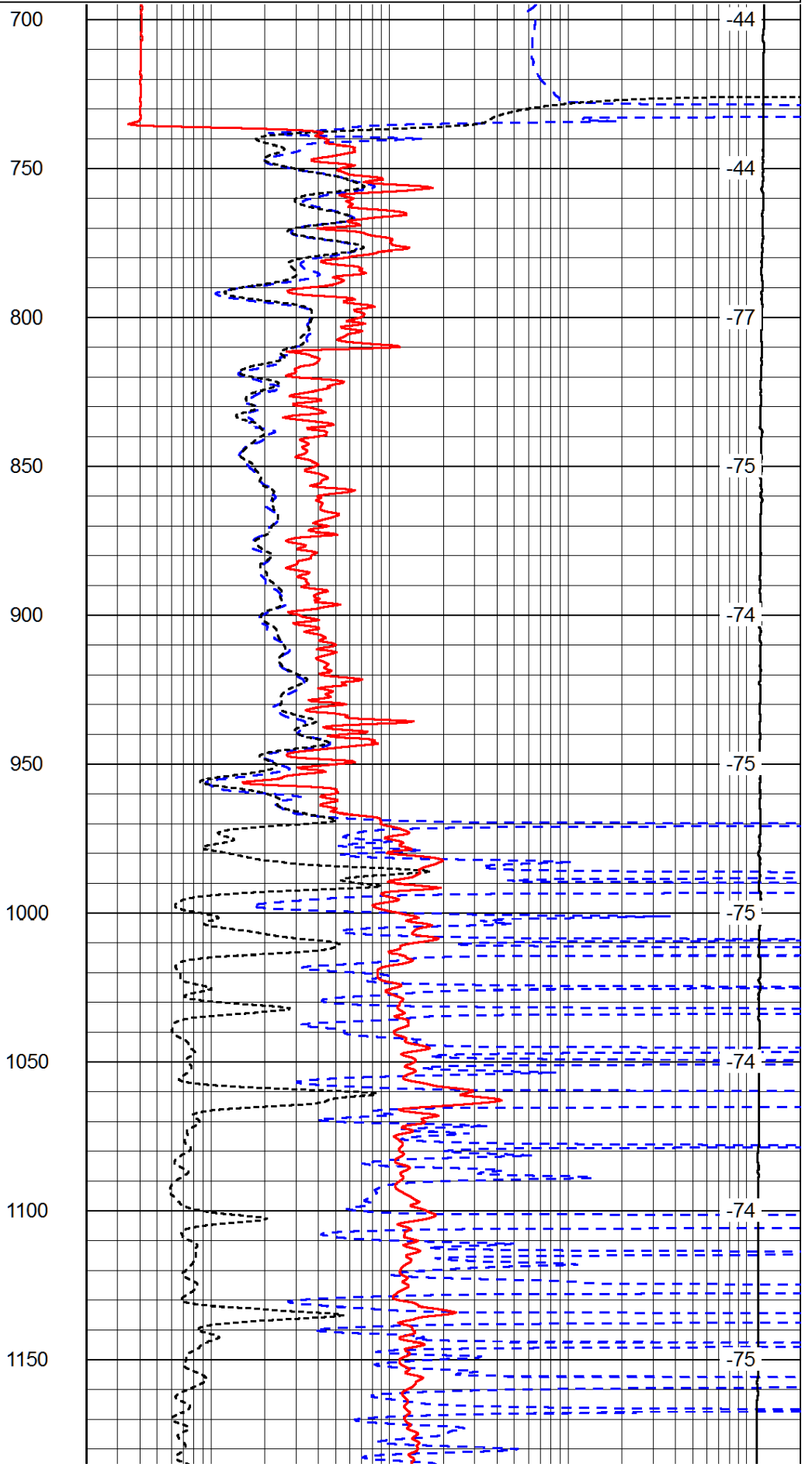
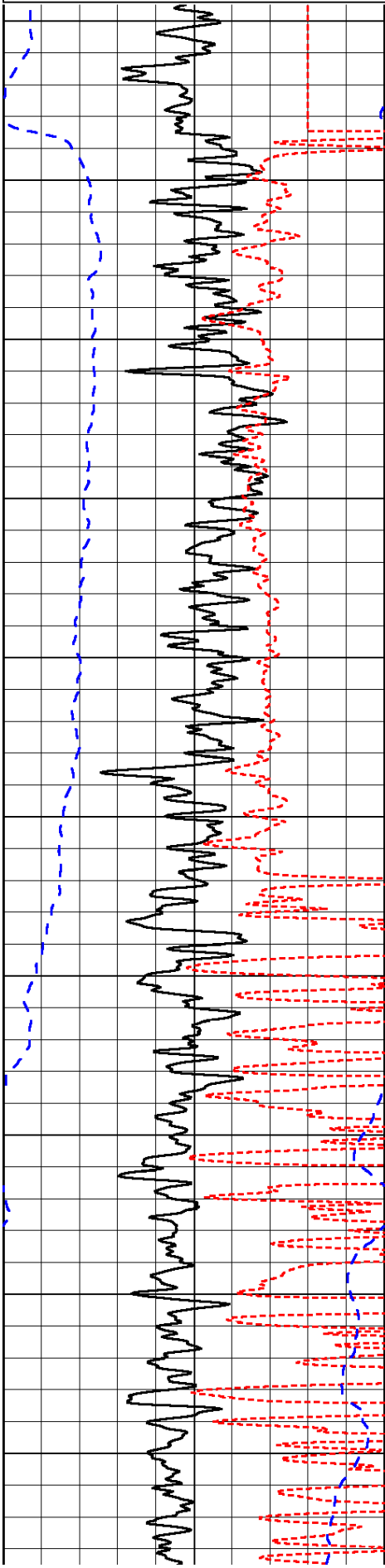
Ellinwood, South to 50 Road, 5 East, 1 1/4 North, West Into

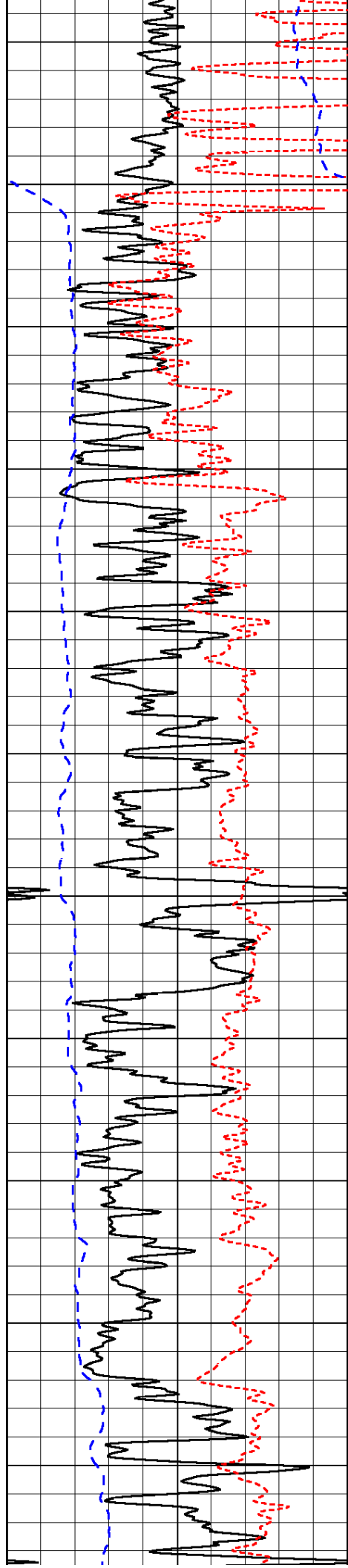
Database File: edisonoperating_henryzahorsky_owwo_9hd.db
Dataset Pathname: dil/edstck
Presentation Format: dil
Dataset Creation: Mon Nov 10 01:09:08 2014
Charted by: Depth in Feet scaled 1:600

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

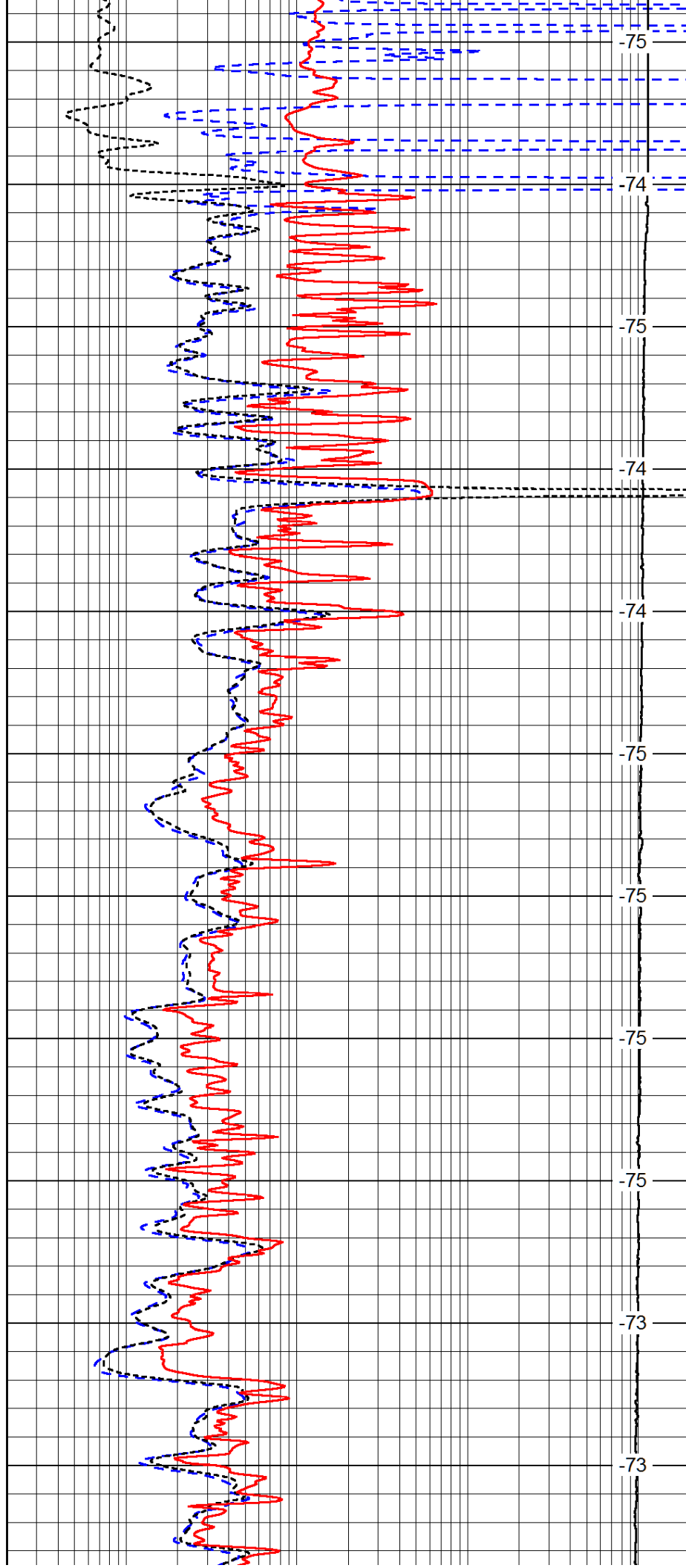
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD

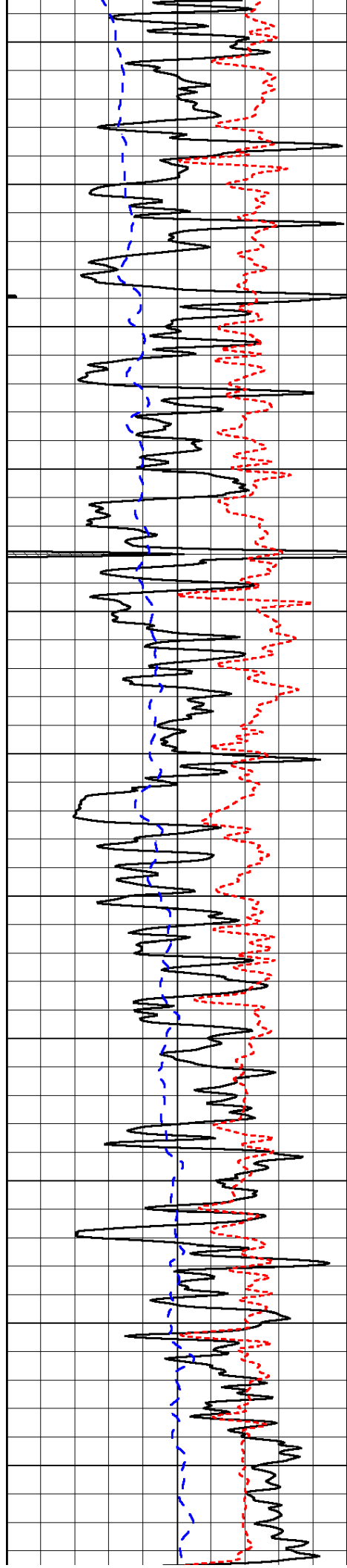




1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700



-75
-74
-75
-74
-74
-75
-75
-75
-75
-73
-73



1750

1800

1850

1900

1950

2000

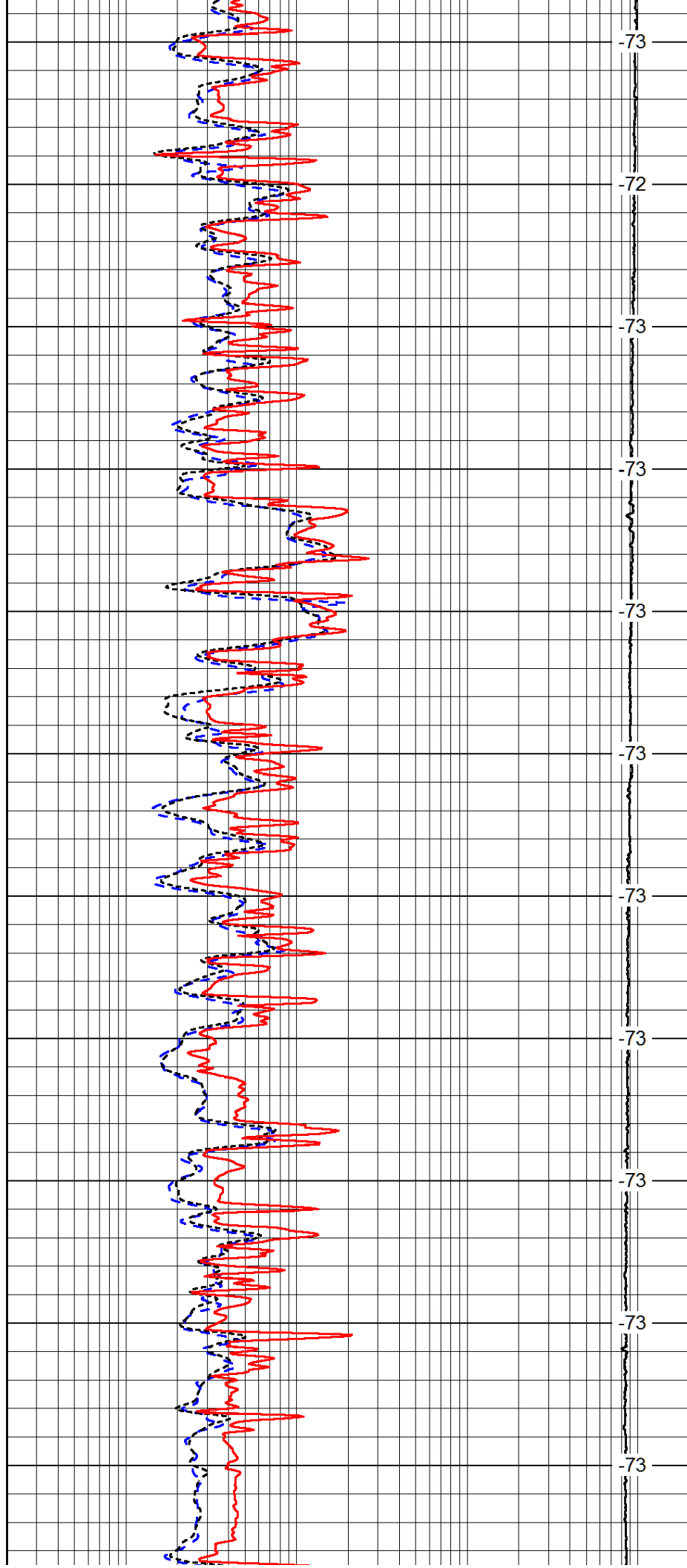
2050

2100

2150

2200

2250



-73

-72

-73

-73

-73

-73

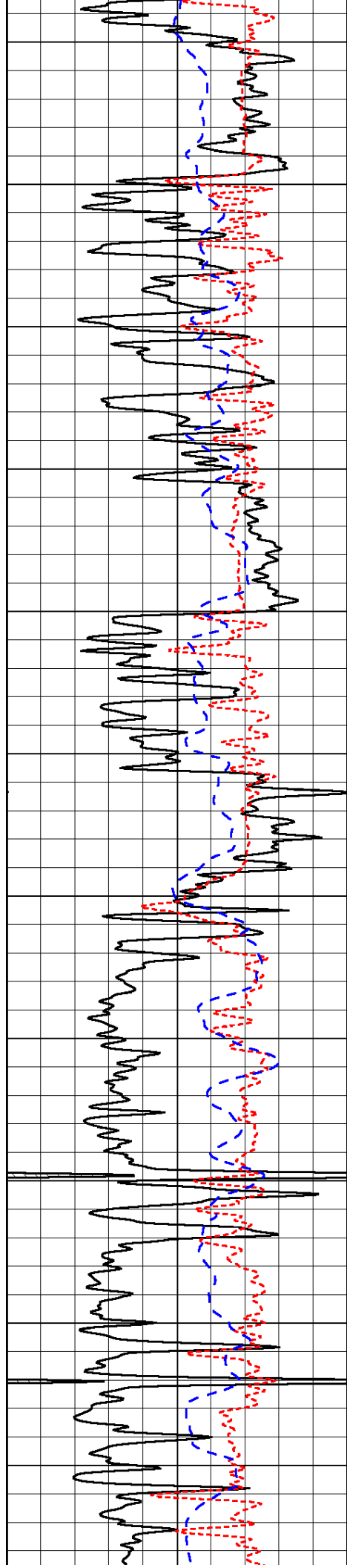
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-73

-73

-73



2300

2350

2400

2450

2500

2550

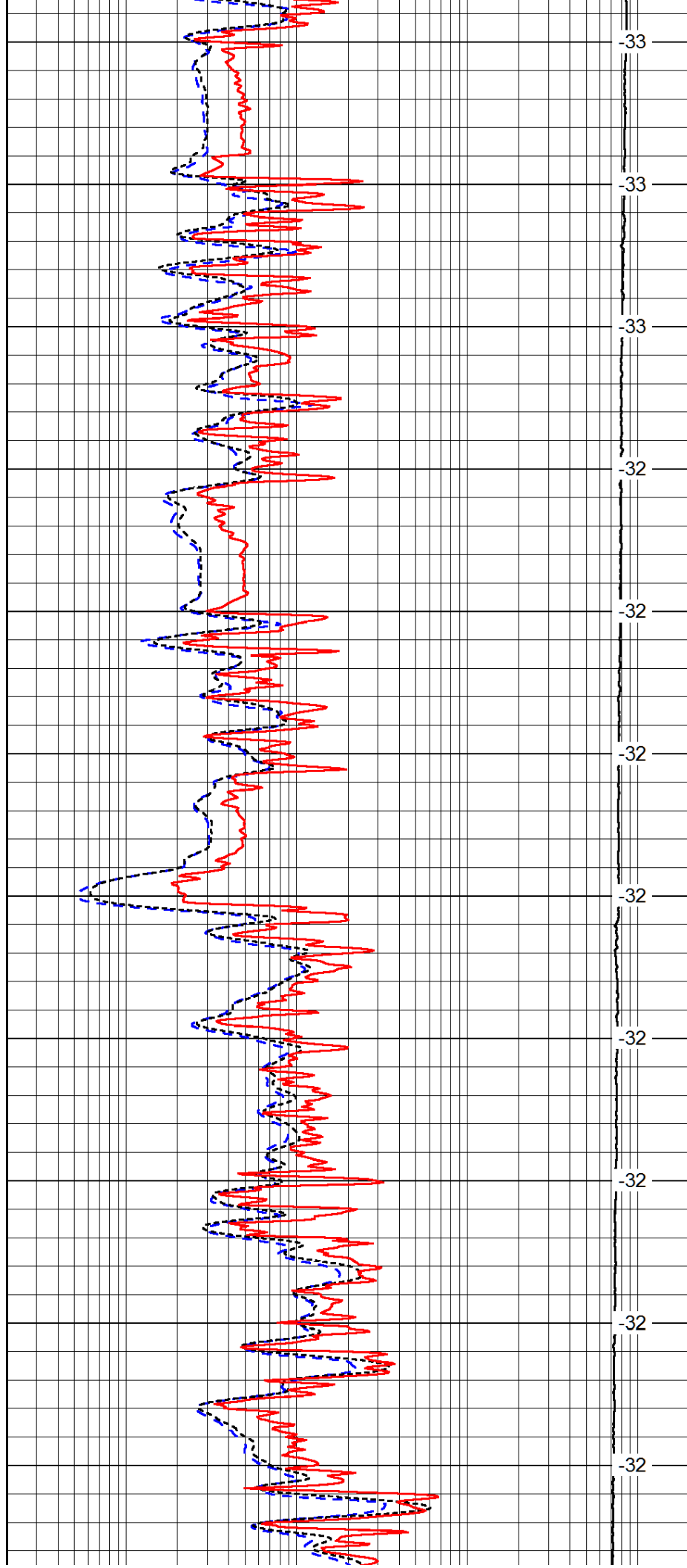
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2650

2700

2750

2800



-33

-33

-33

-32

-32

-32

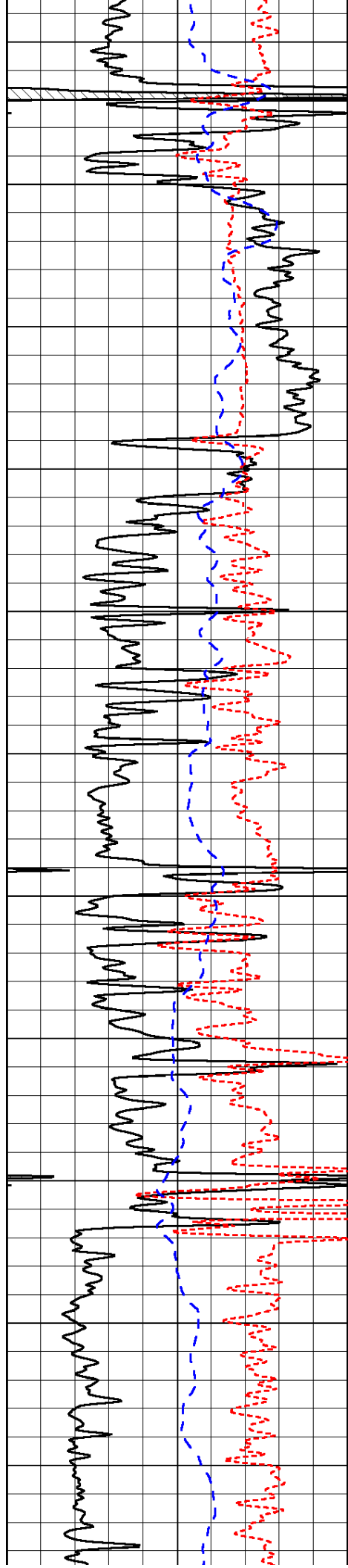
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2850

2900

2950

3000

3050

3100

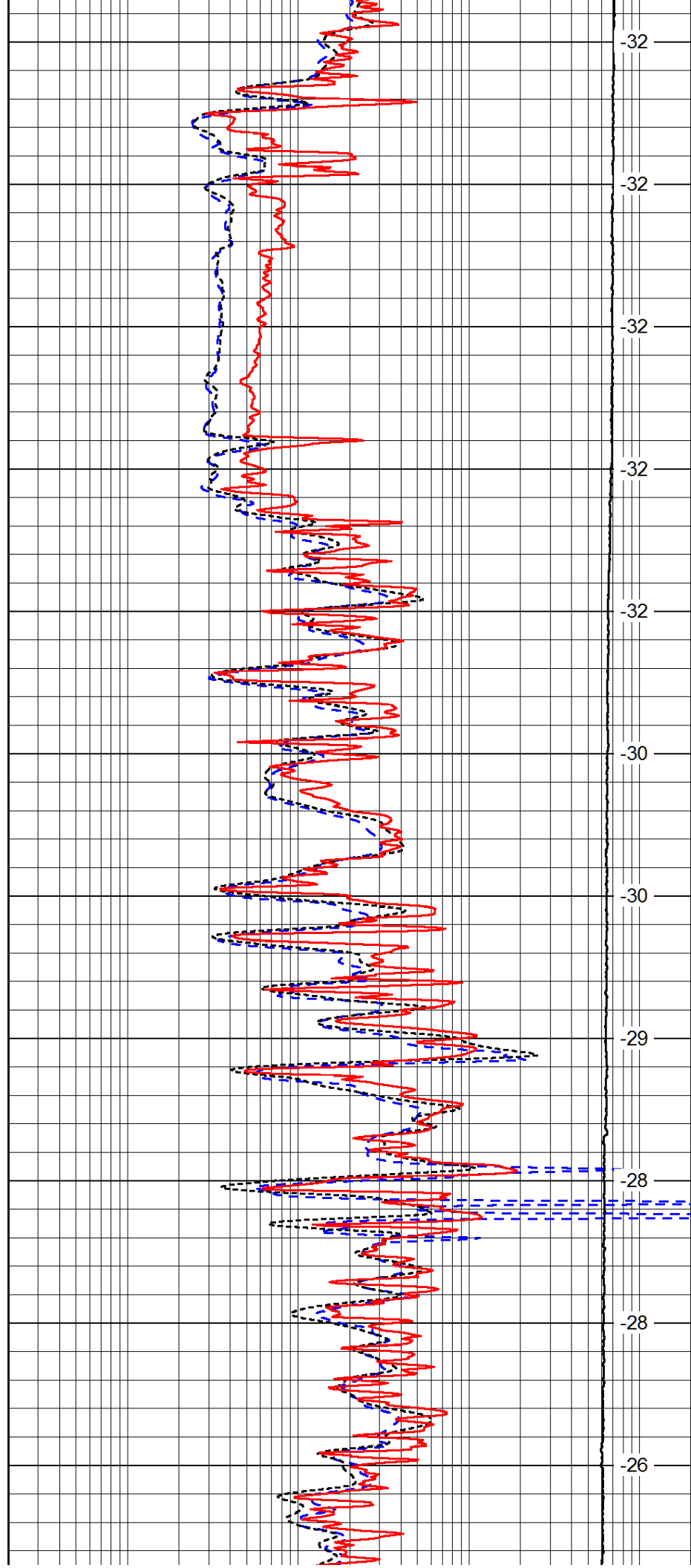
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3200

3250

3300

3350



-32

-32

-32

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-32

-30

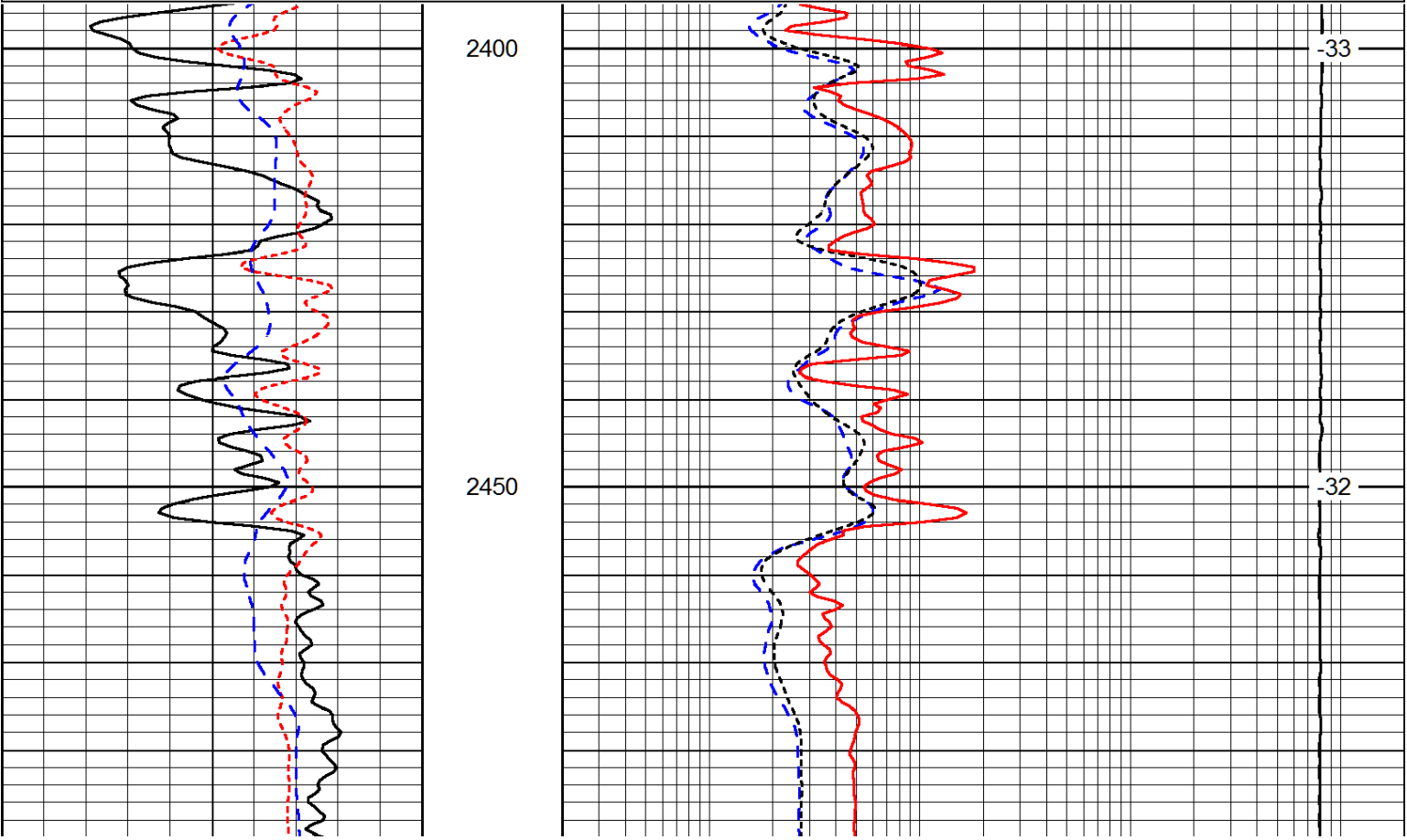
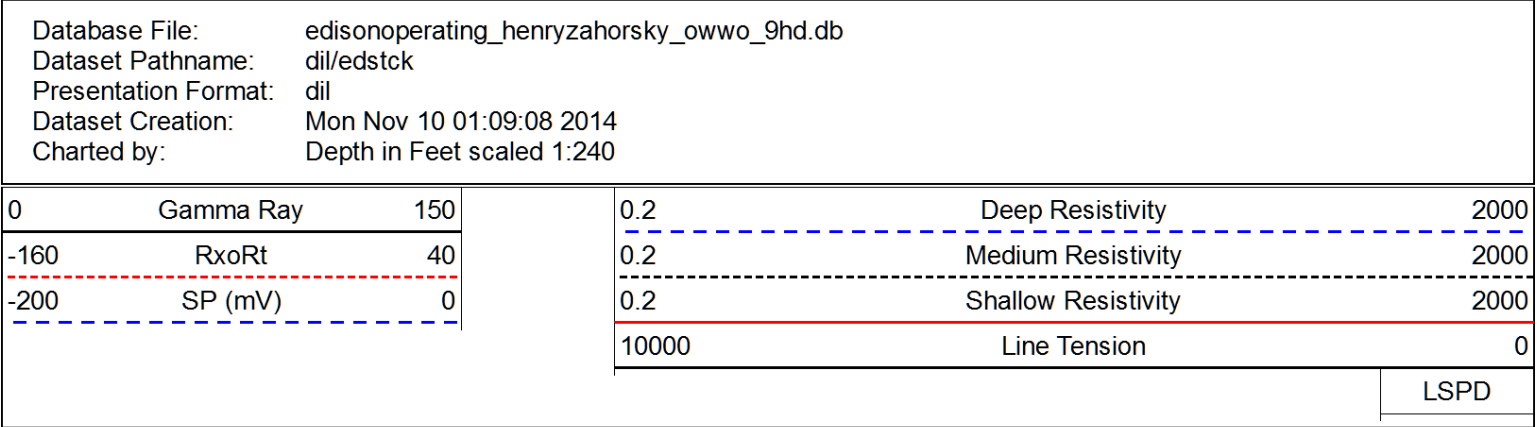
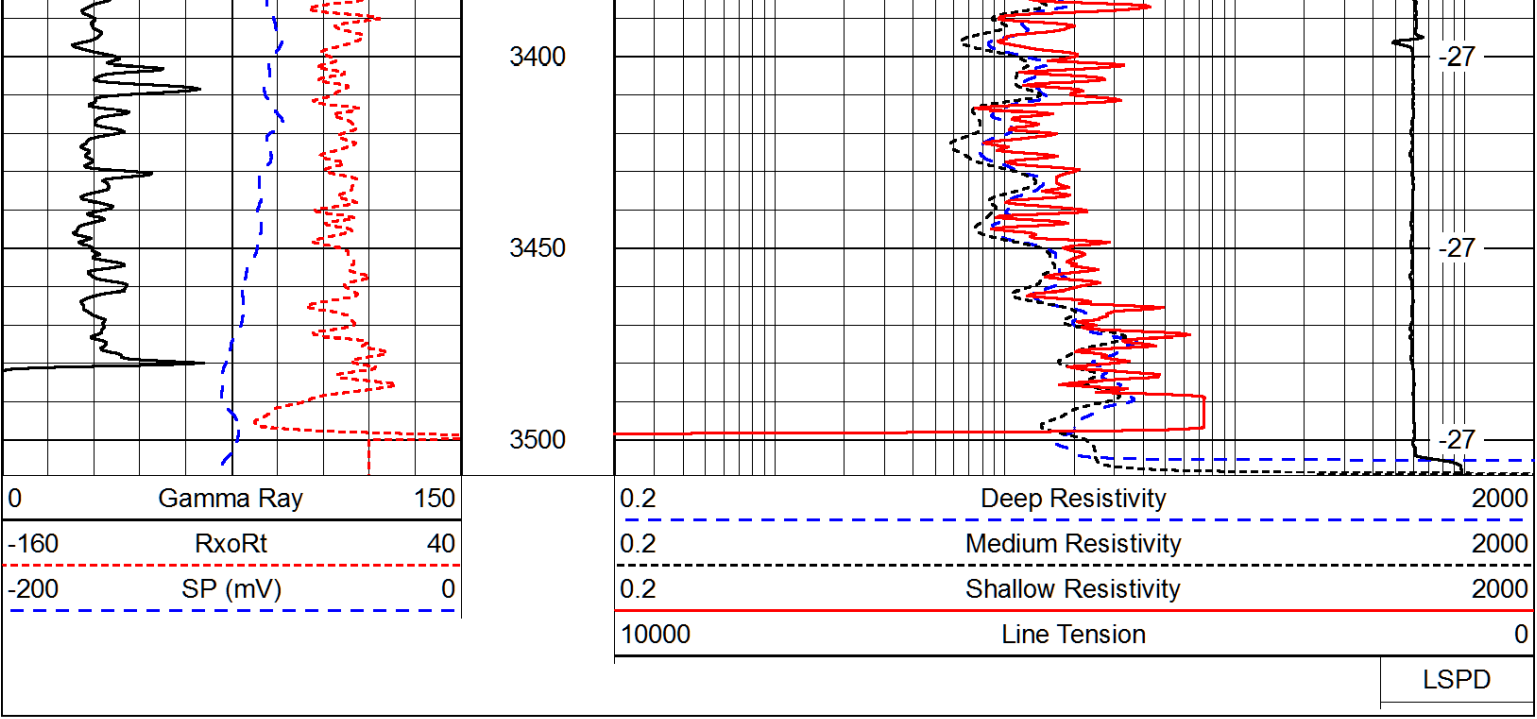
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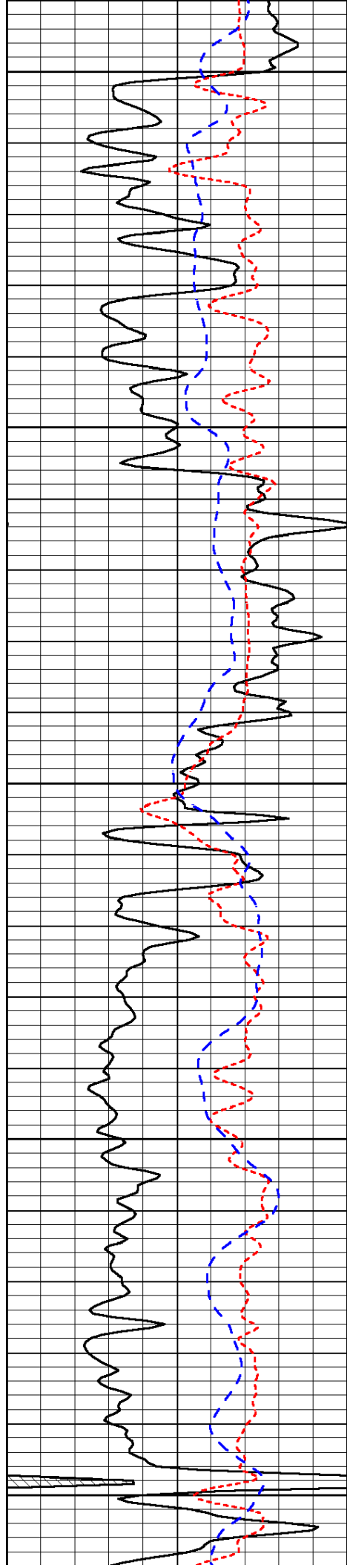
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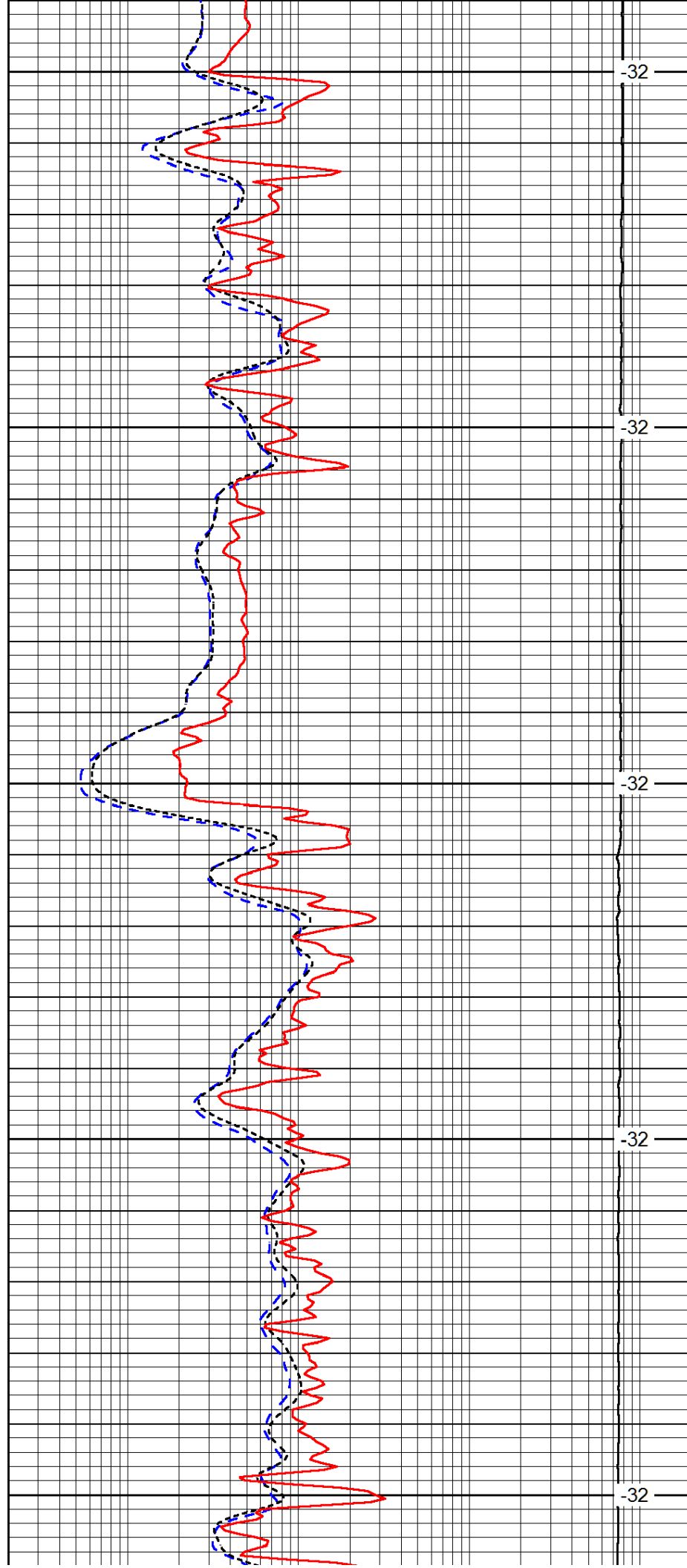
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2550

2600

2650

2700



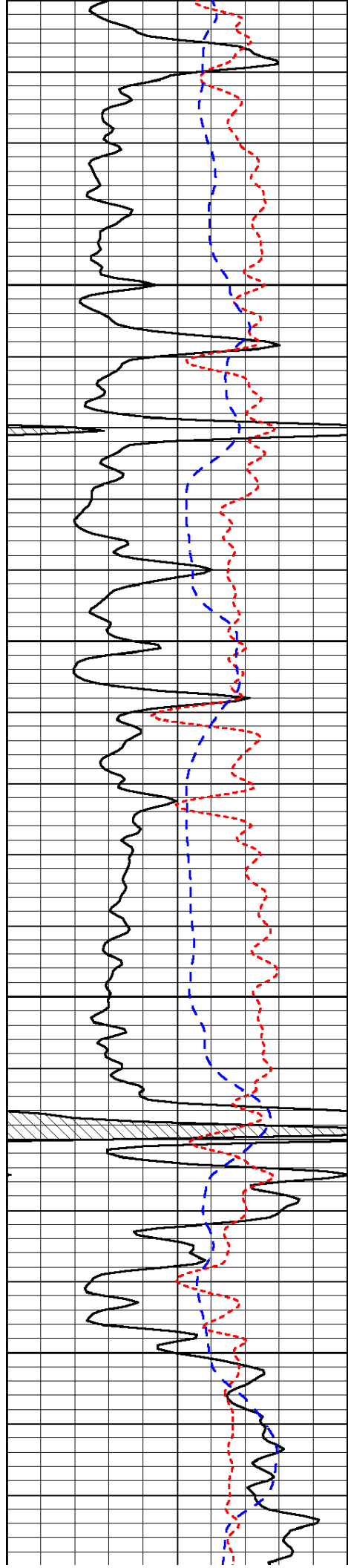
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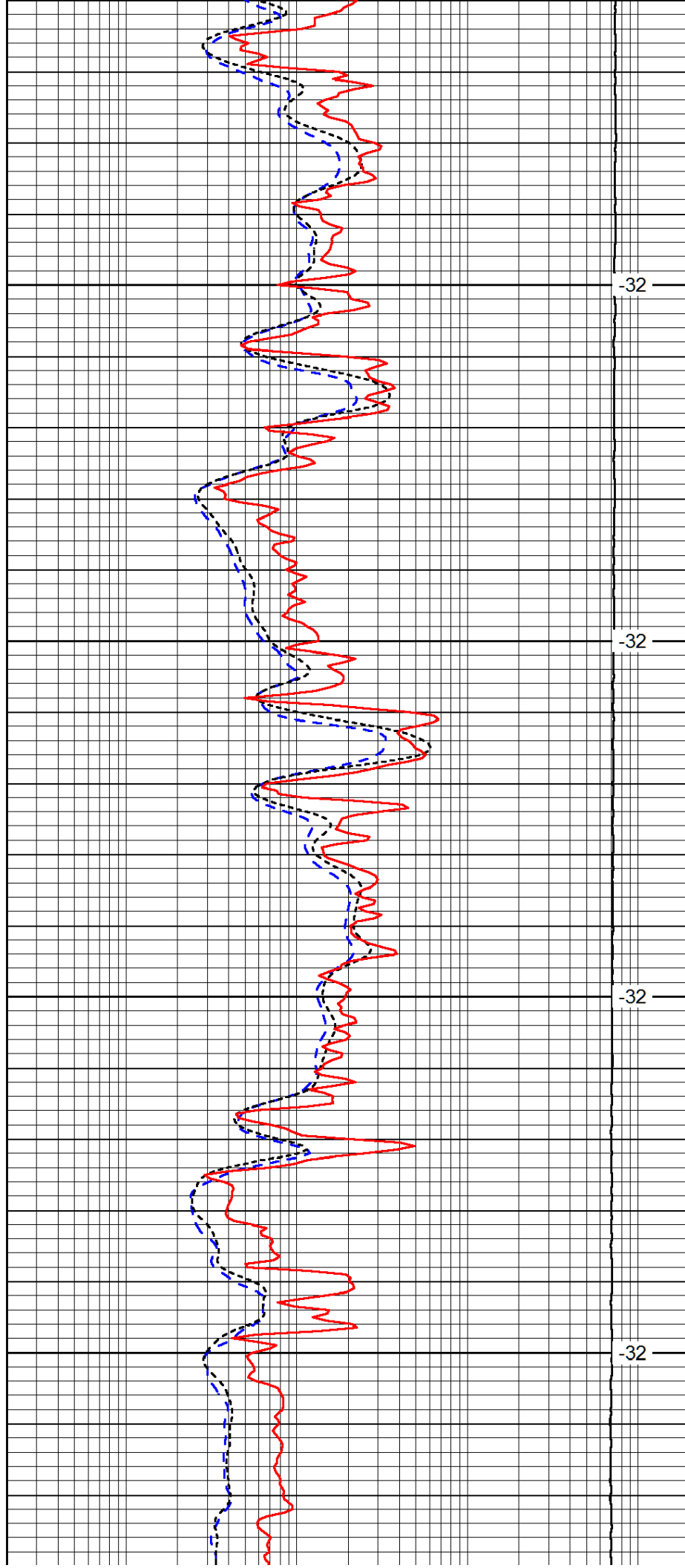


2750

2800

2850

2900

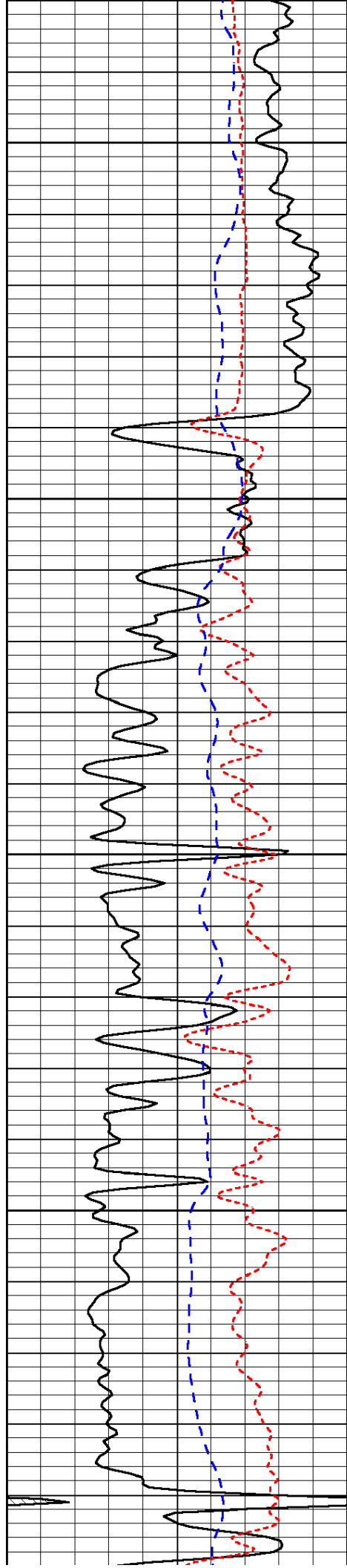


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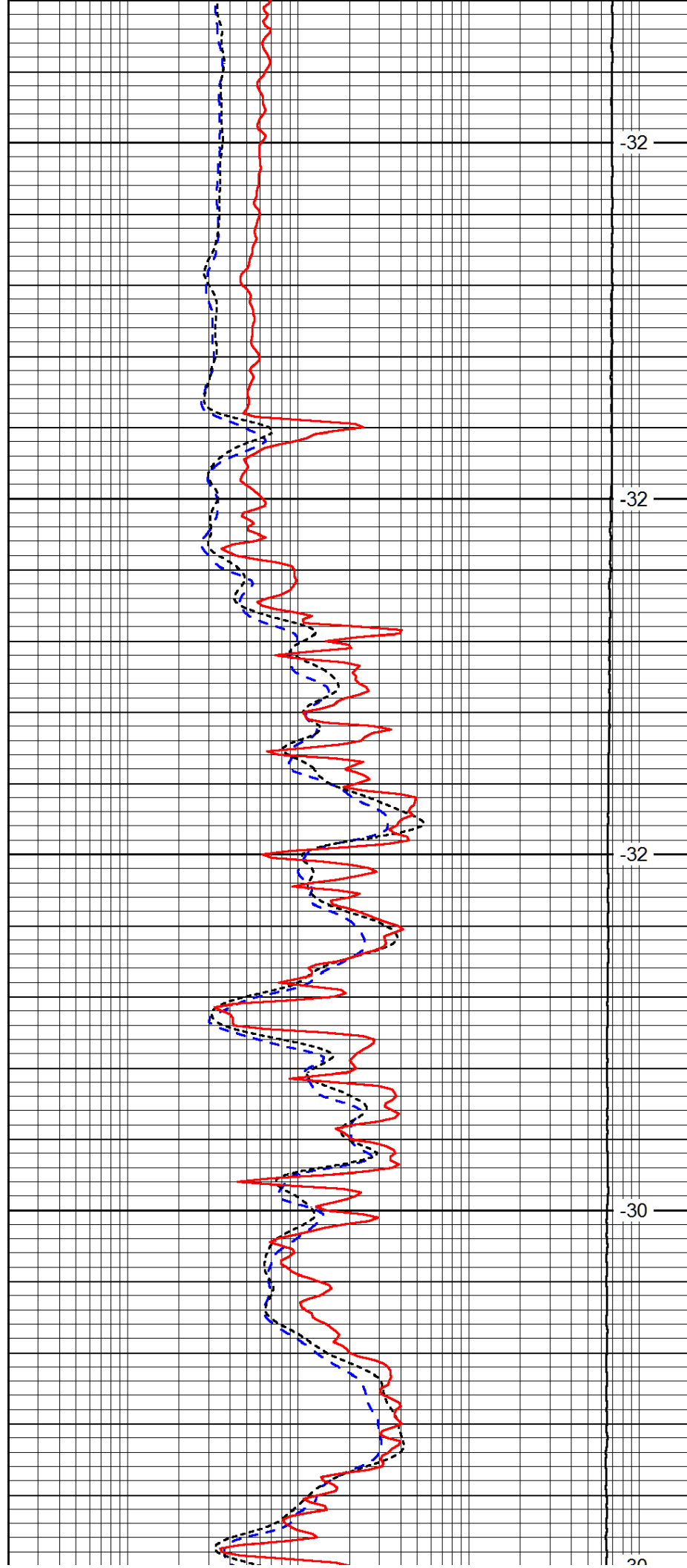
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3050

3100

3150



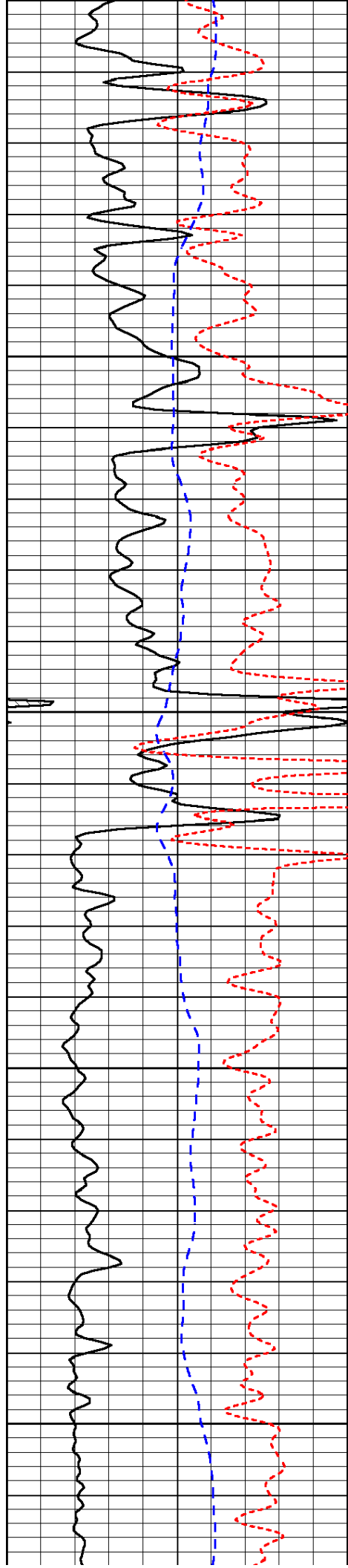
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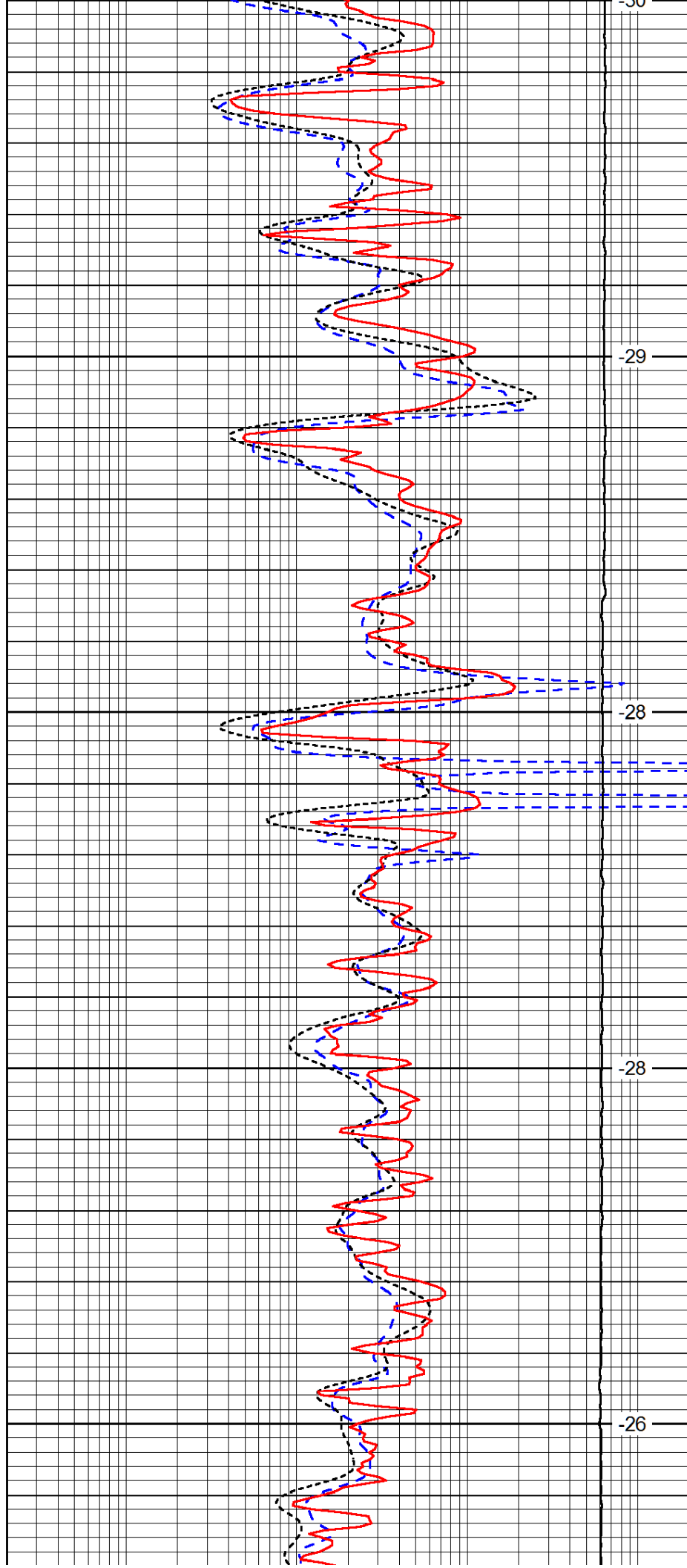
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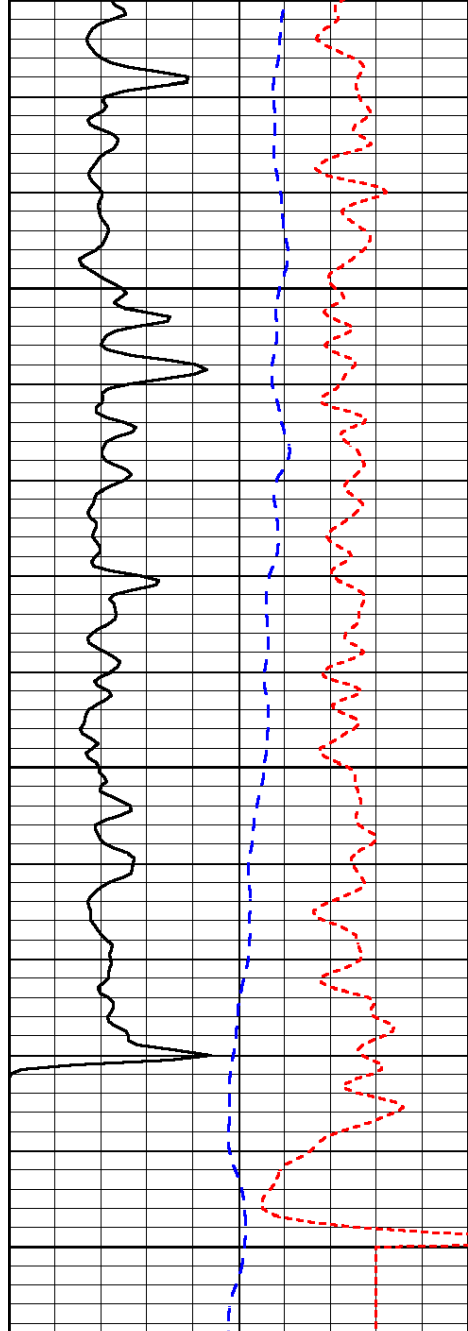
-30



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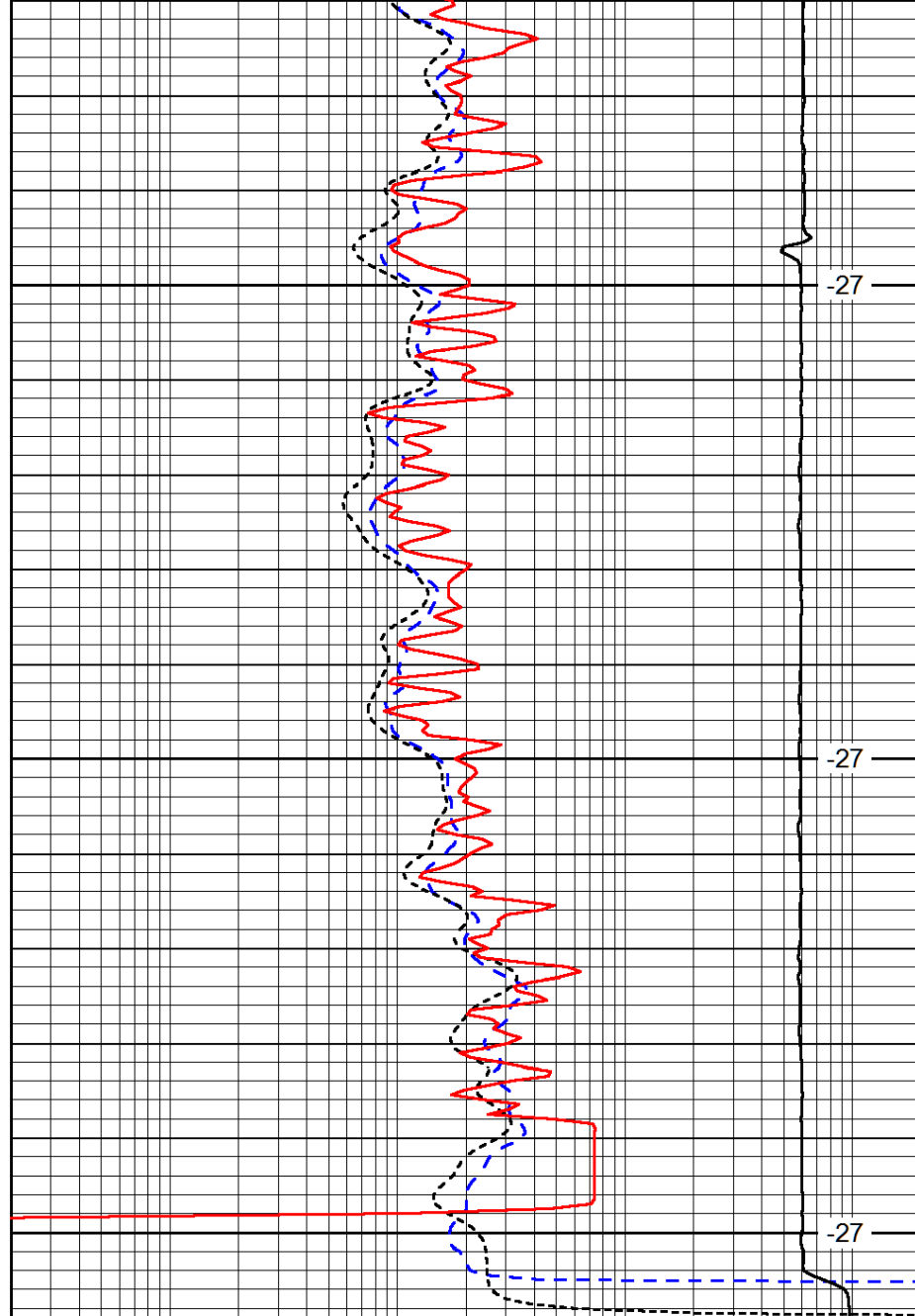


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