



Dual Induction Log

Pioneer Energy Services

API No.

15-035-24,589-00-00

Company Val Energy, Inc.

Well A & N #1-35

Field Maddix North

County Cowley State

Kansas

Location 2145' FNL & 2145' FWL

Sec: 35 Twp: 32S Rge: 5E

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1282

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing K.B. 1292
D.F. 1282
G.L. 1282

Date 6/29/2014

Run Number One

Depth Driller 3493

Depth Logger 3487

Bottom Logged Interval 3486

Top Log Interval 200

Casing Driller 8.625 @ 220

Casing Logger 218

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1,100

Density / Viscosity 9.4 50

pH / Fluid Loss 11.0 8.8

Source of Sample Flowline

Rm @ Meas. Temp .85 @ 67

Rmf @ Meas. Temp .64 @ 67

Rmc @ Meas. Temp 1.15 @ 67

Source of Rmf / Rmc Charts

Rm @ BHT .51 @ 111

Operating Rig Time 3 Hours

Max Rec. Temp. F 111

Equipment Number 17

Location Hays

Recorded By C. Desaire

Witnessed By Harley Sayles

<<< Fold Here >>>

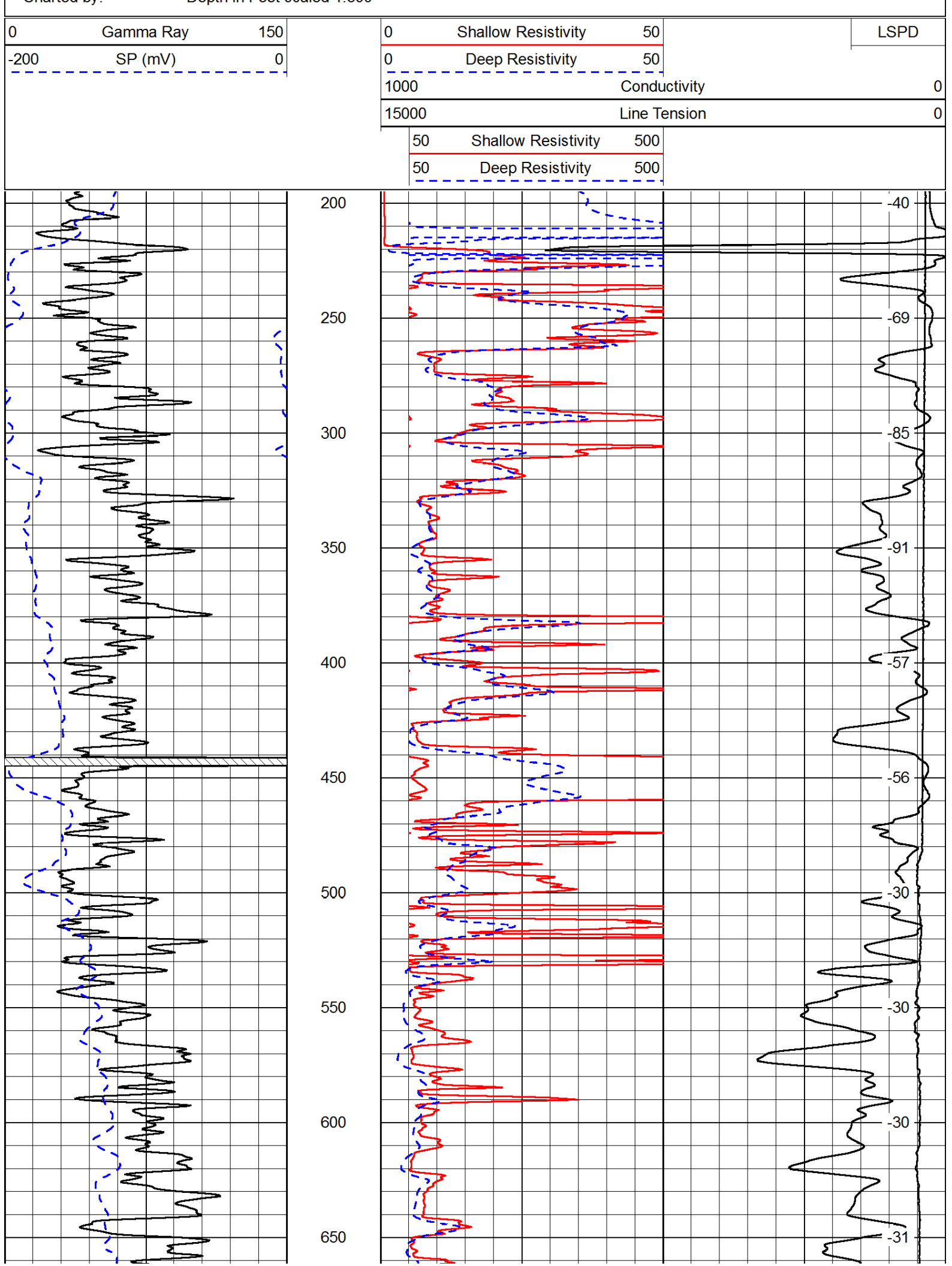
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

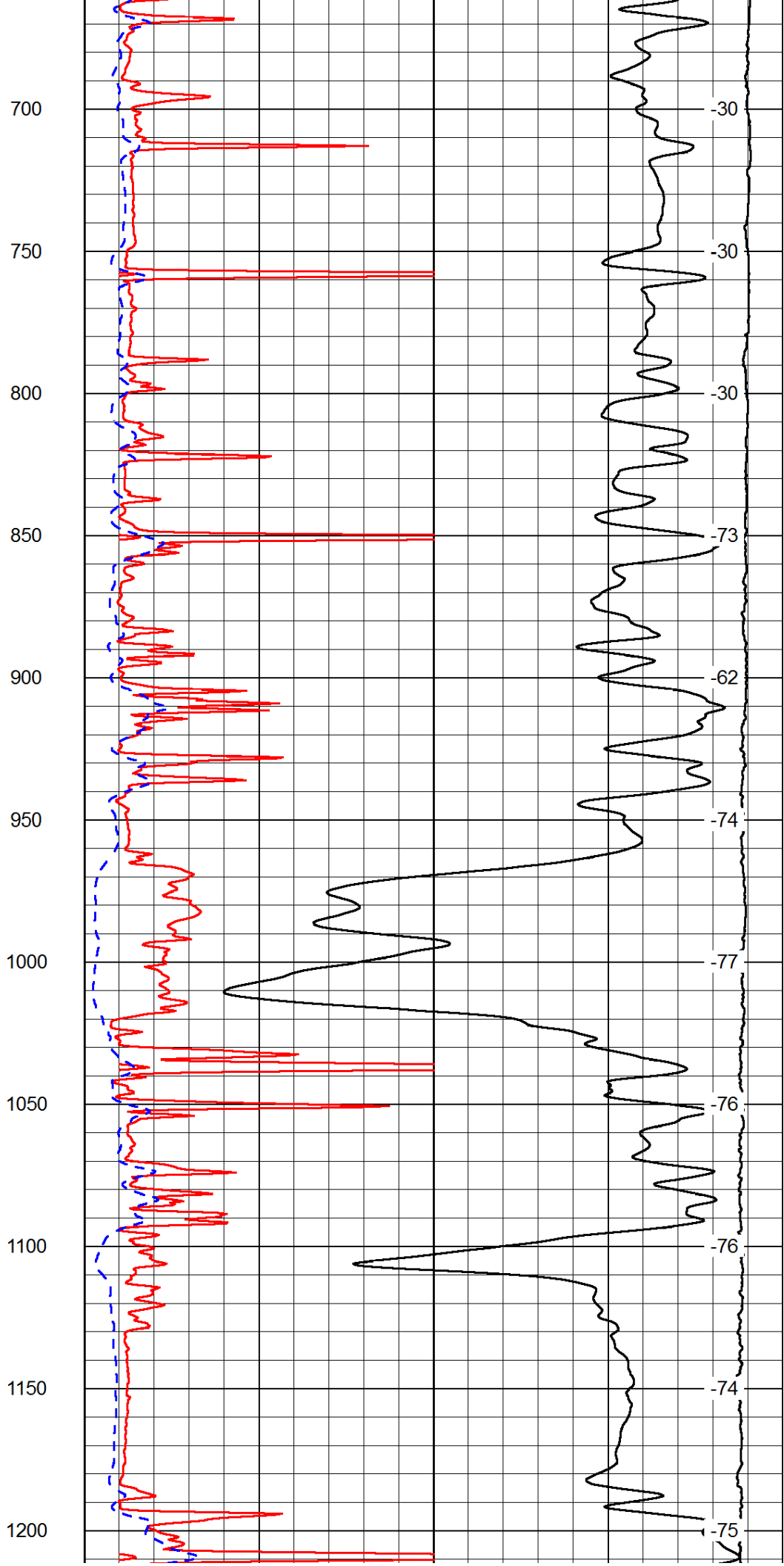
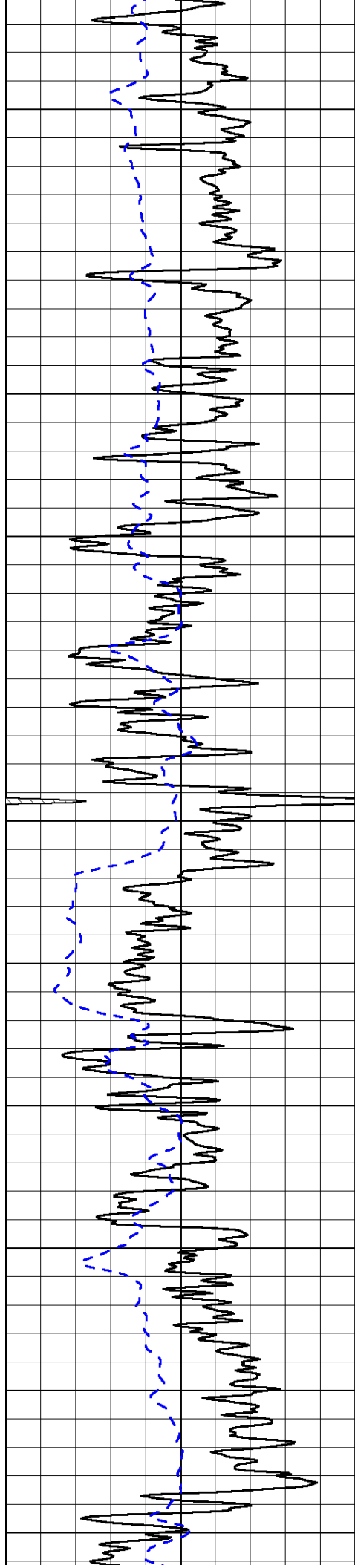
Comments

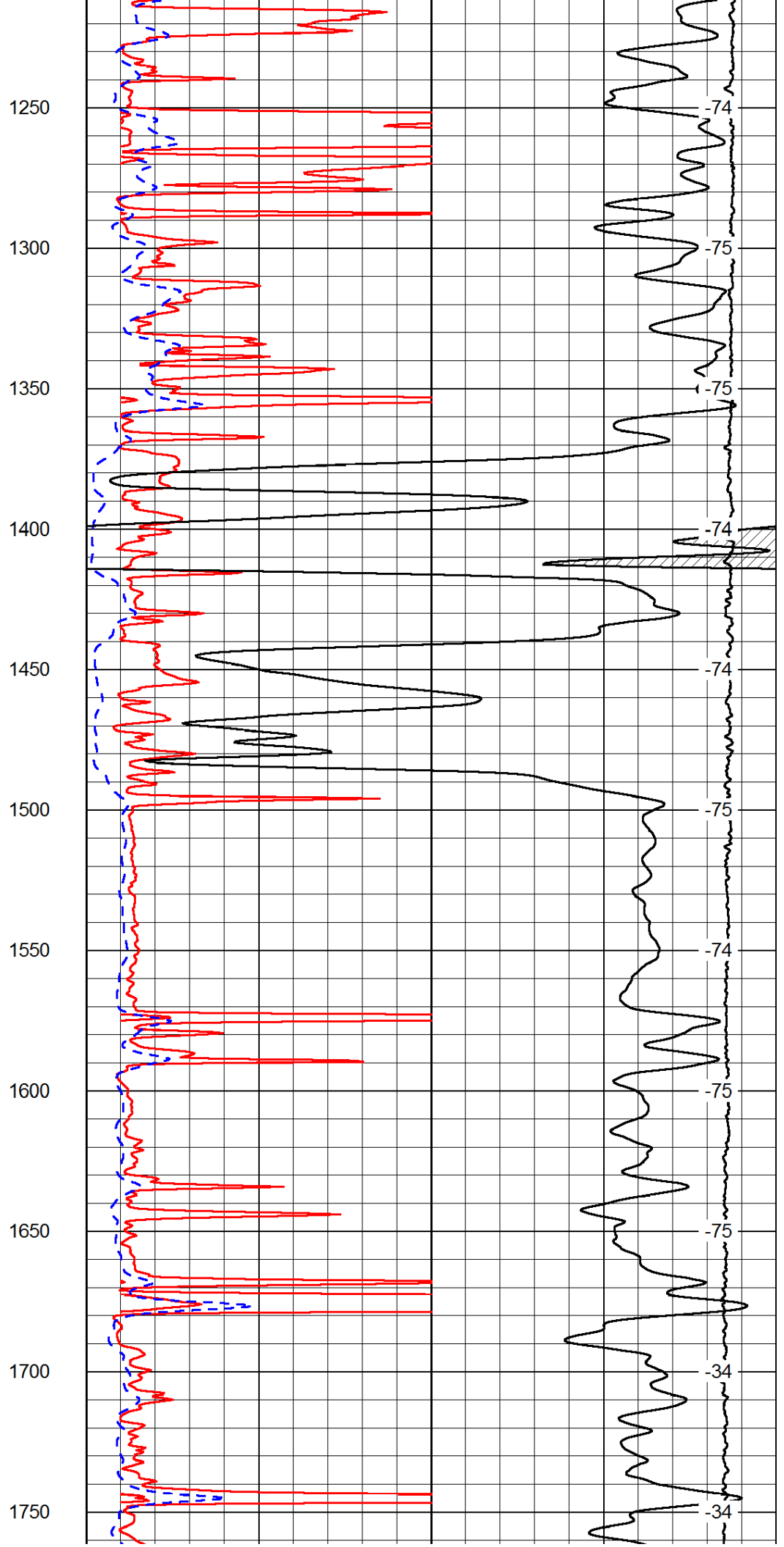
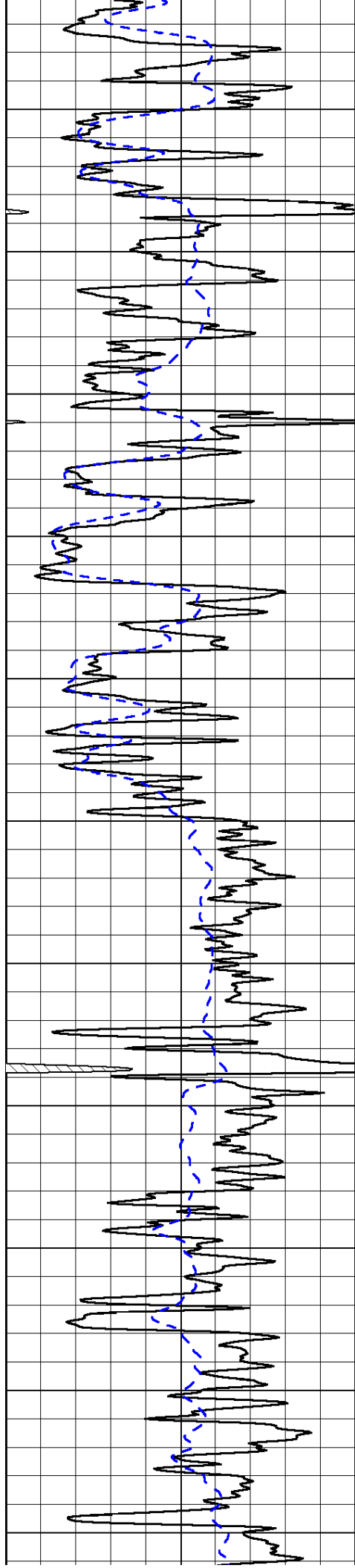
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

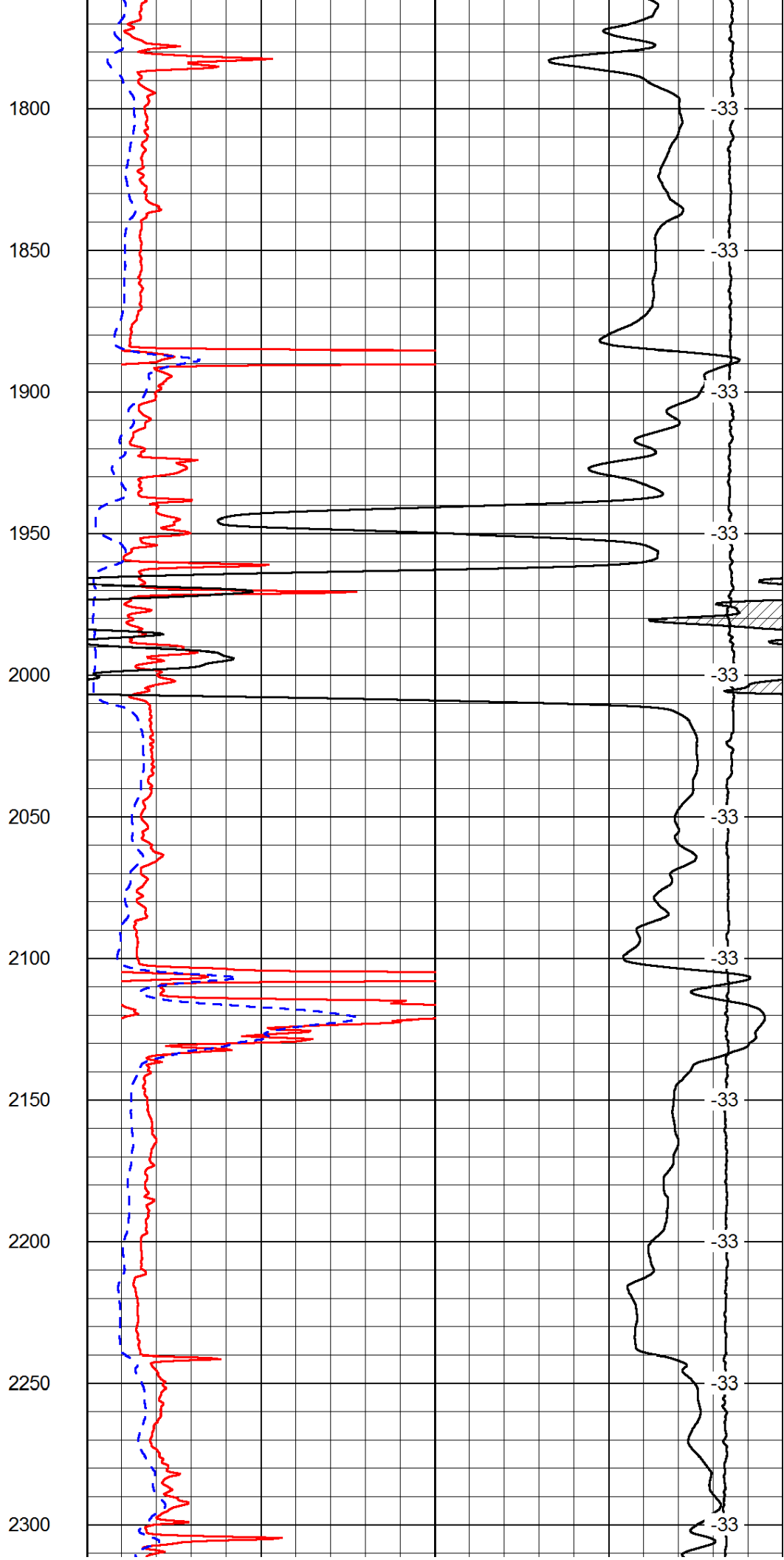
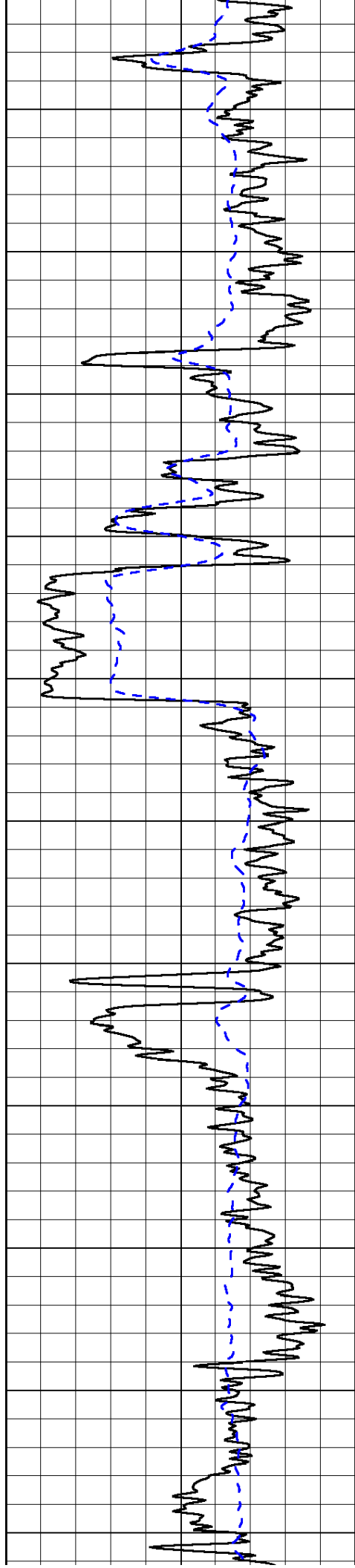
Winfield KS, E to 161st St,
1 1/2 S, E Into

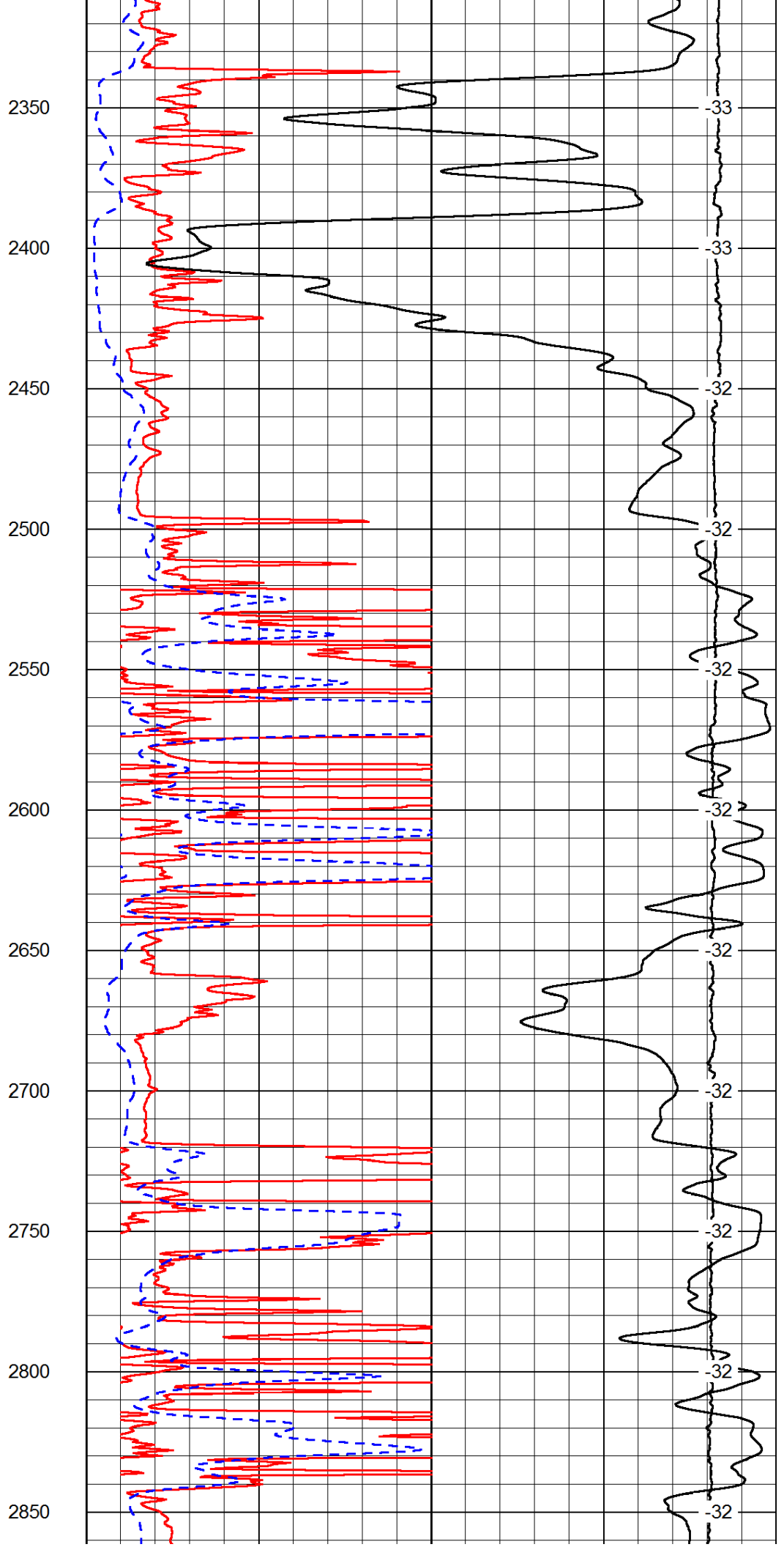
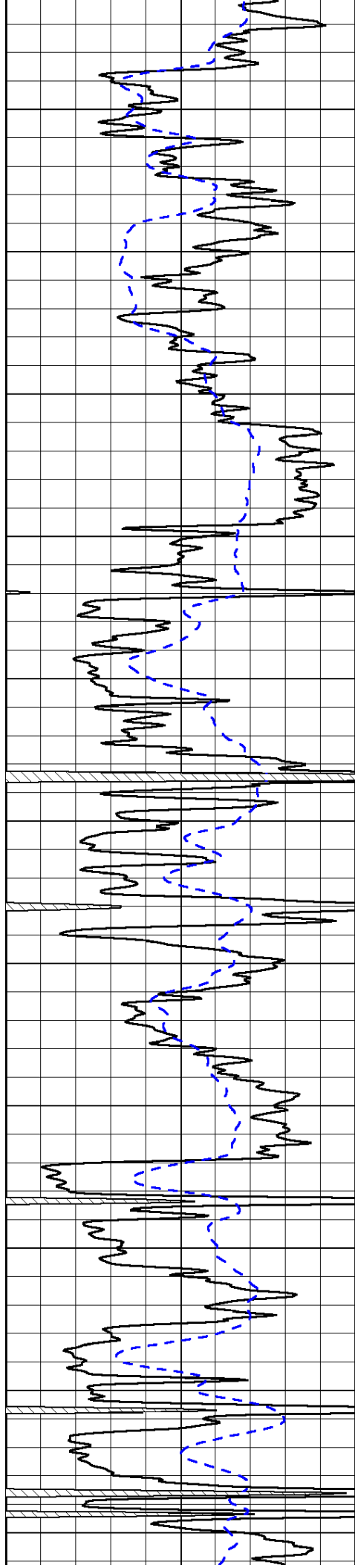
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Dataset Creation: Sun Jun 29 03:10:02 2014
Charted by: Depth in Feet scaled 1:600

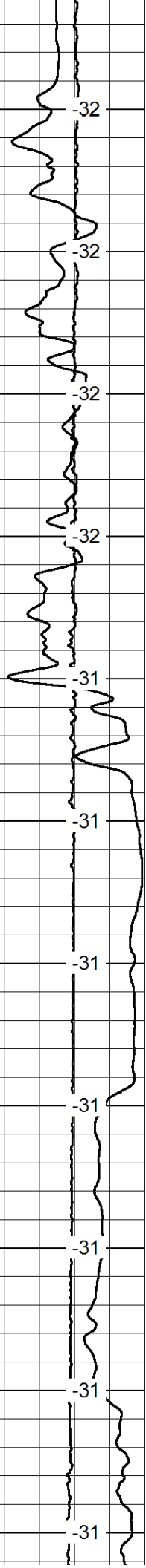
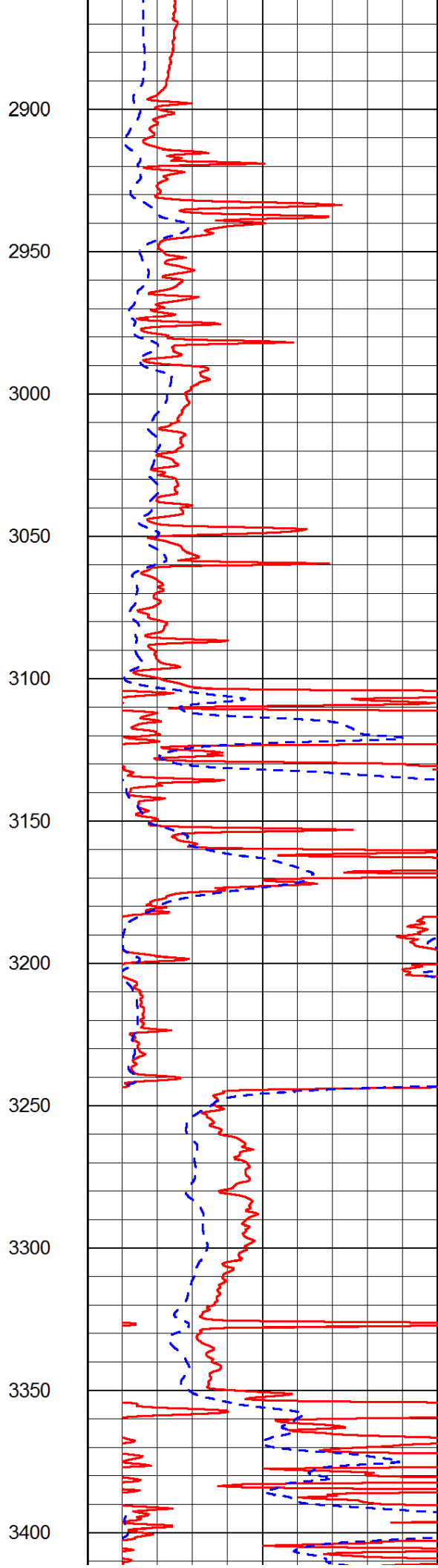
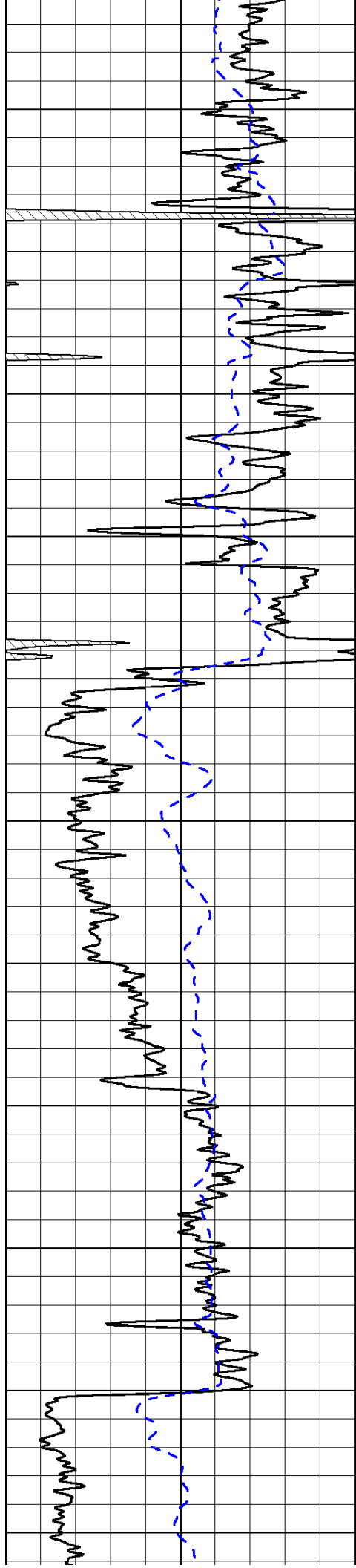


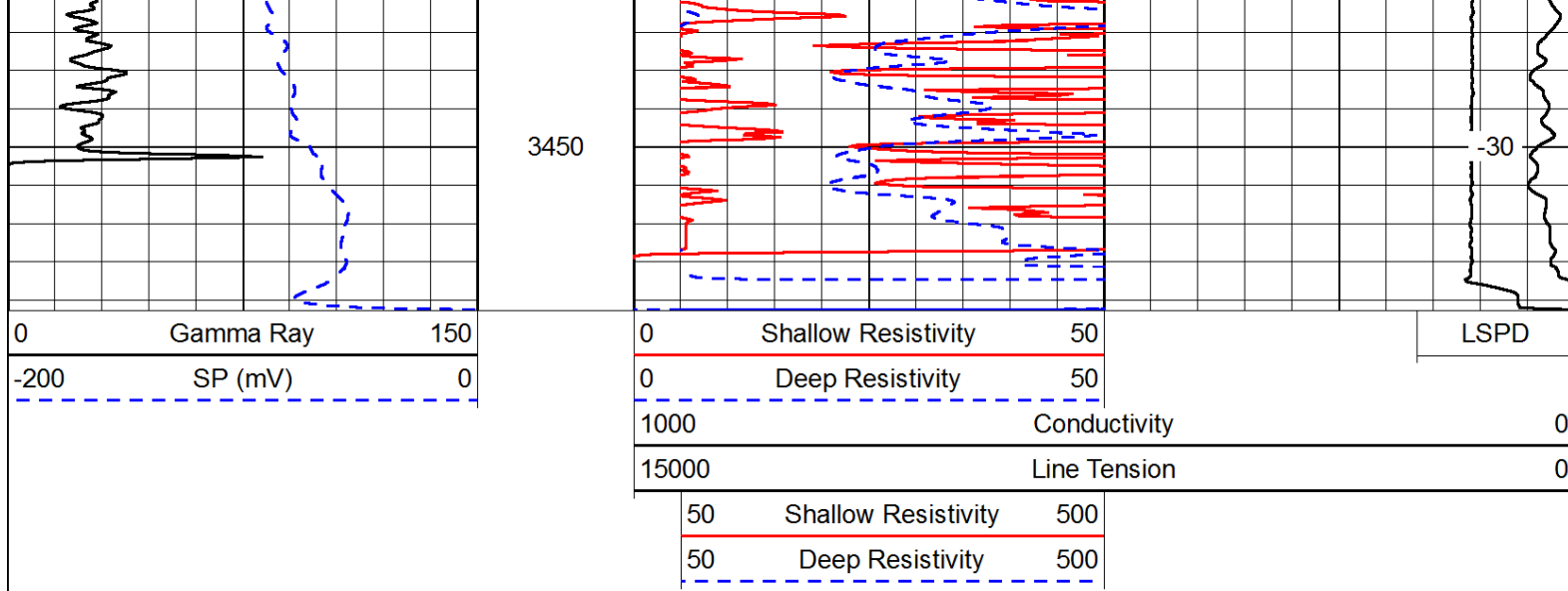




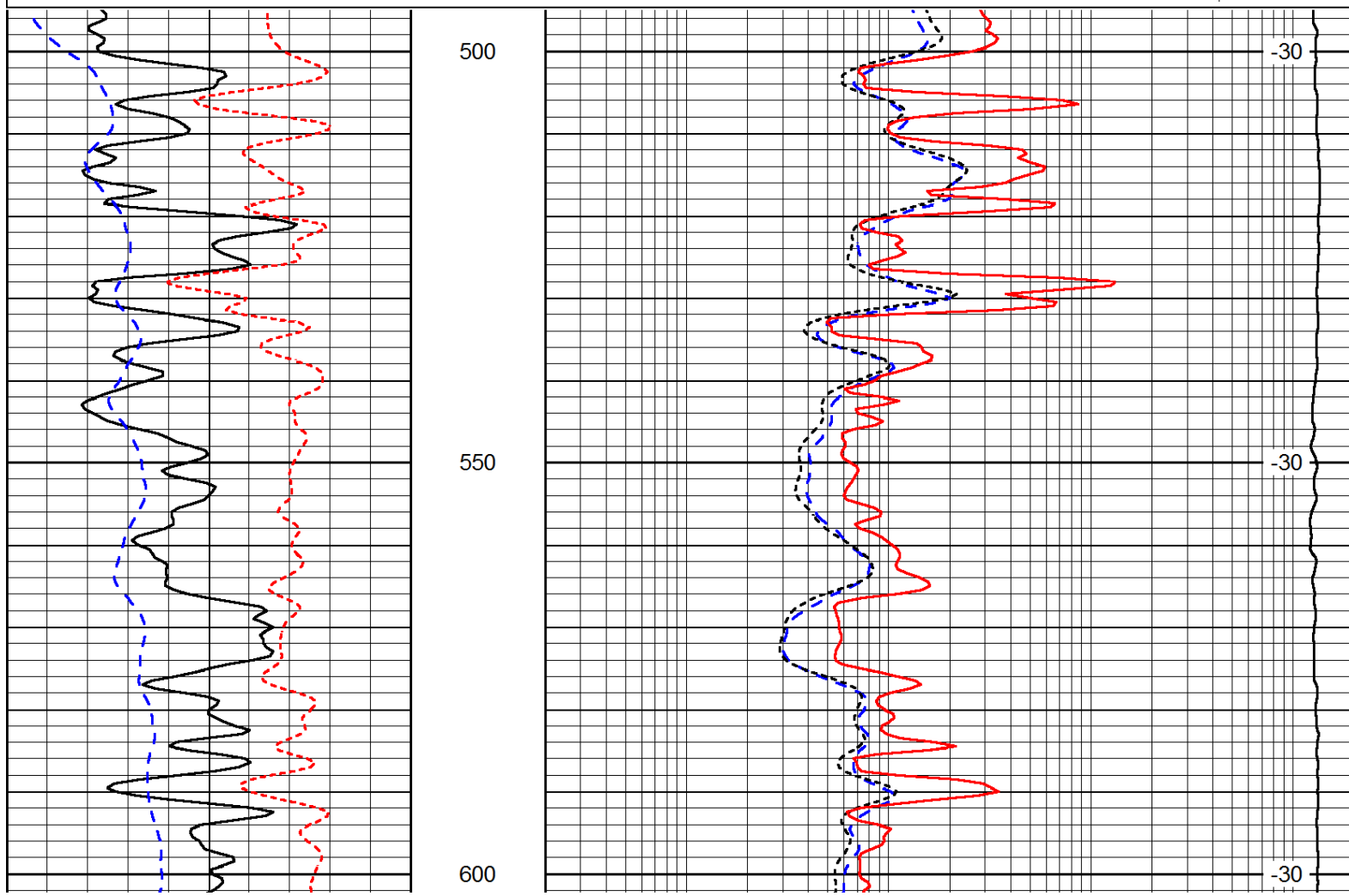
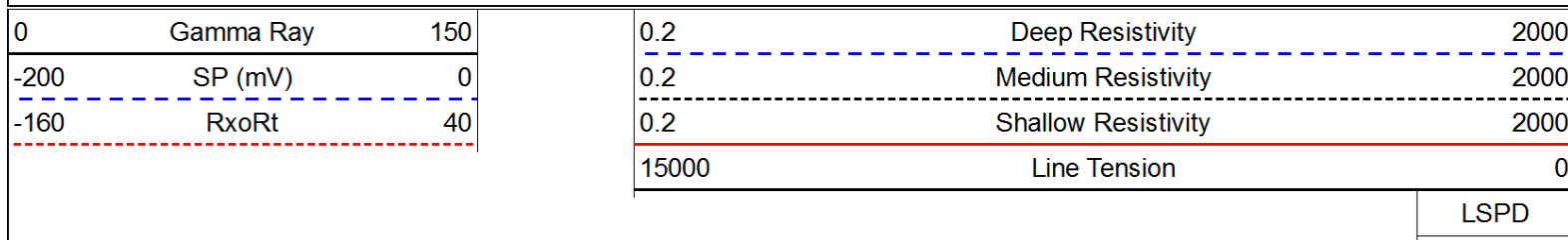


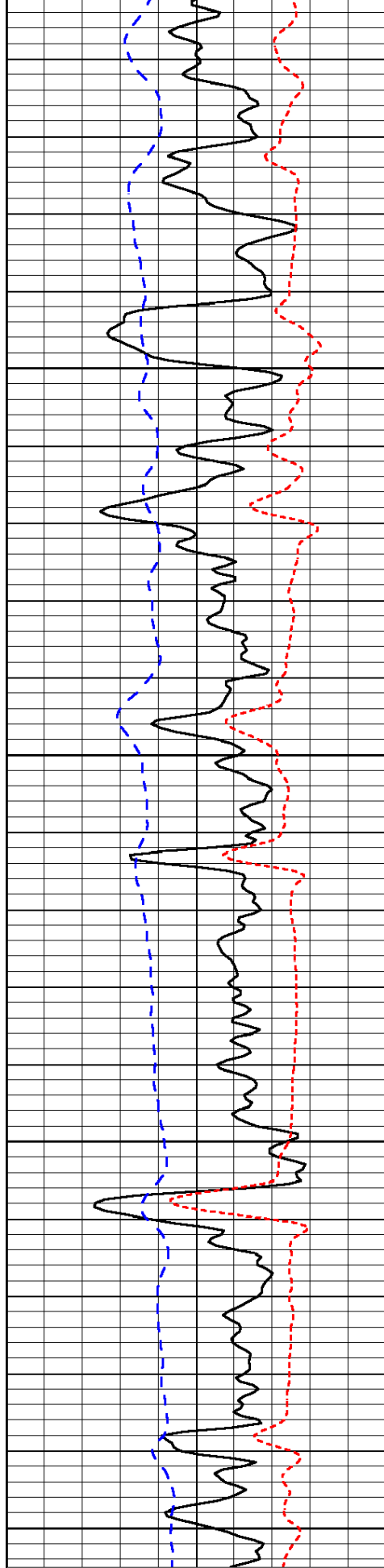




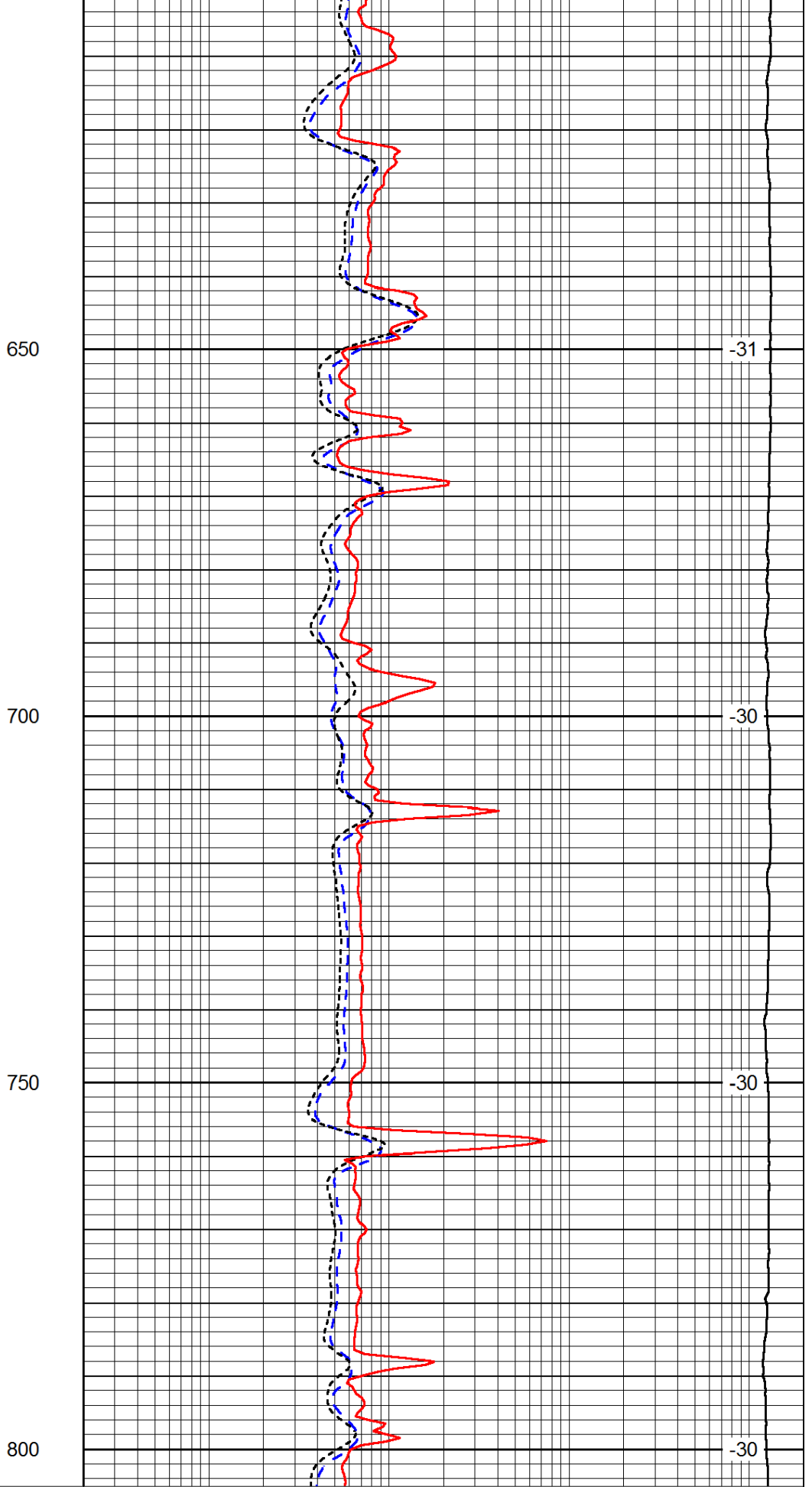


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 Charted by: Depth in Feet scaled 1:240





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

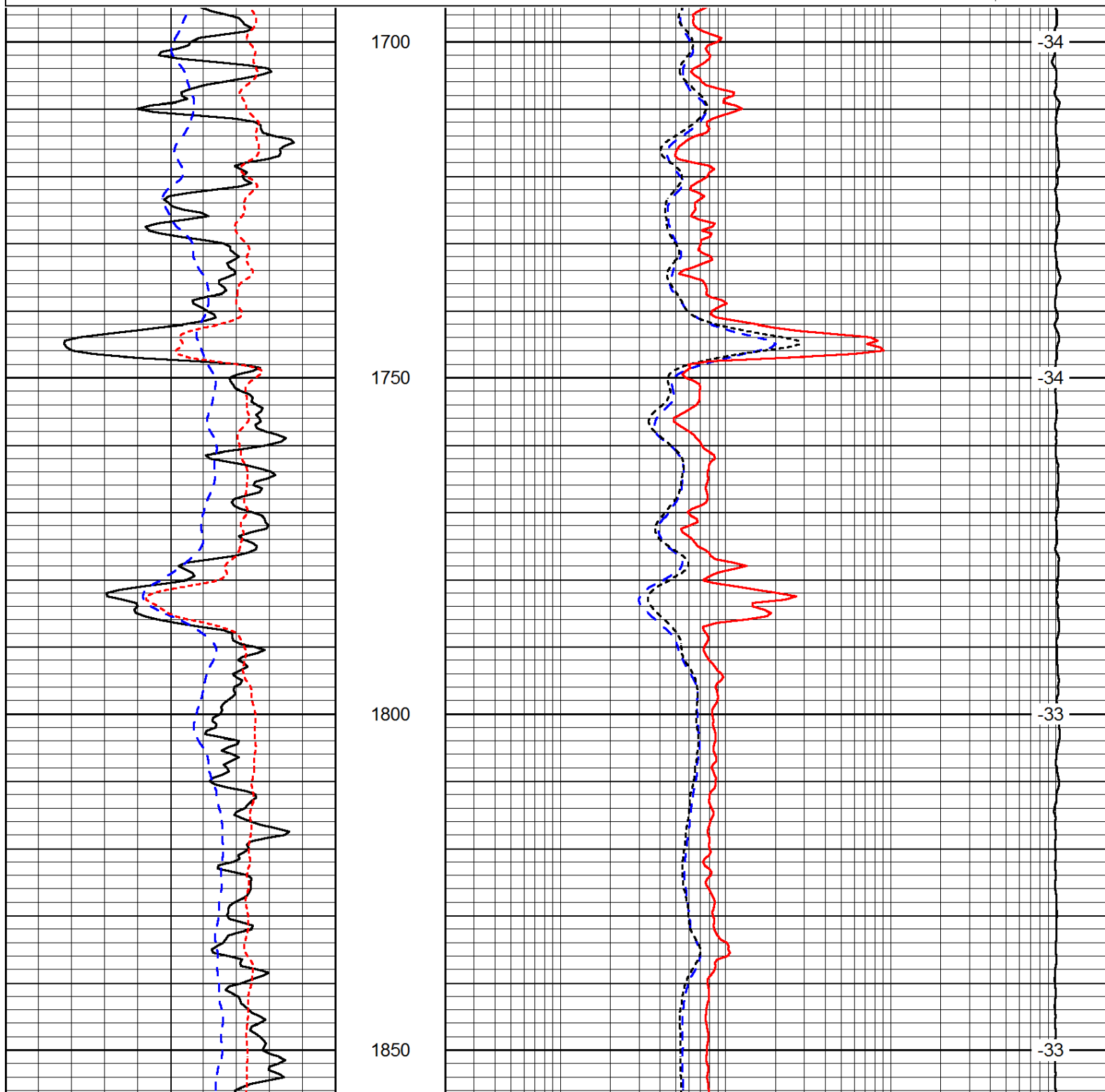


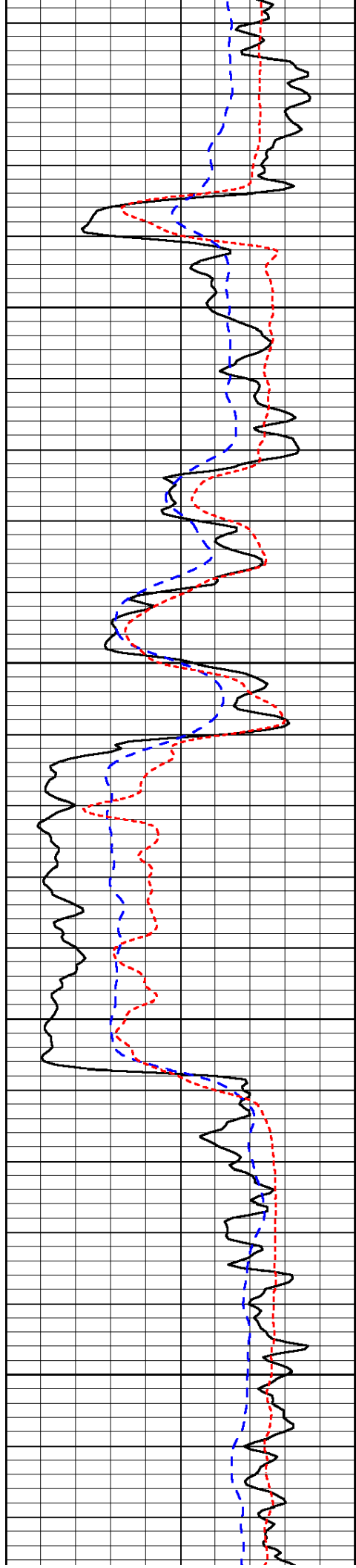
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

Database File: c:\warrior\data\val_a & n #1-35\valhd.db
 Dataset Pathname: dil\valstk
 Presentation Format: dil
 Dataset Creation: Sun Jun 29 03:10:02 2014
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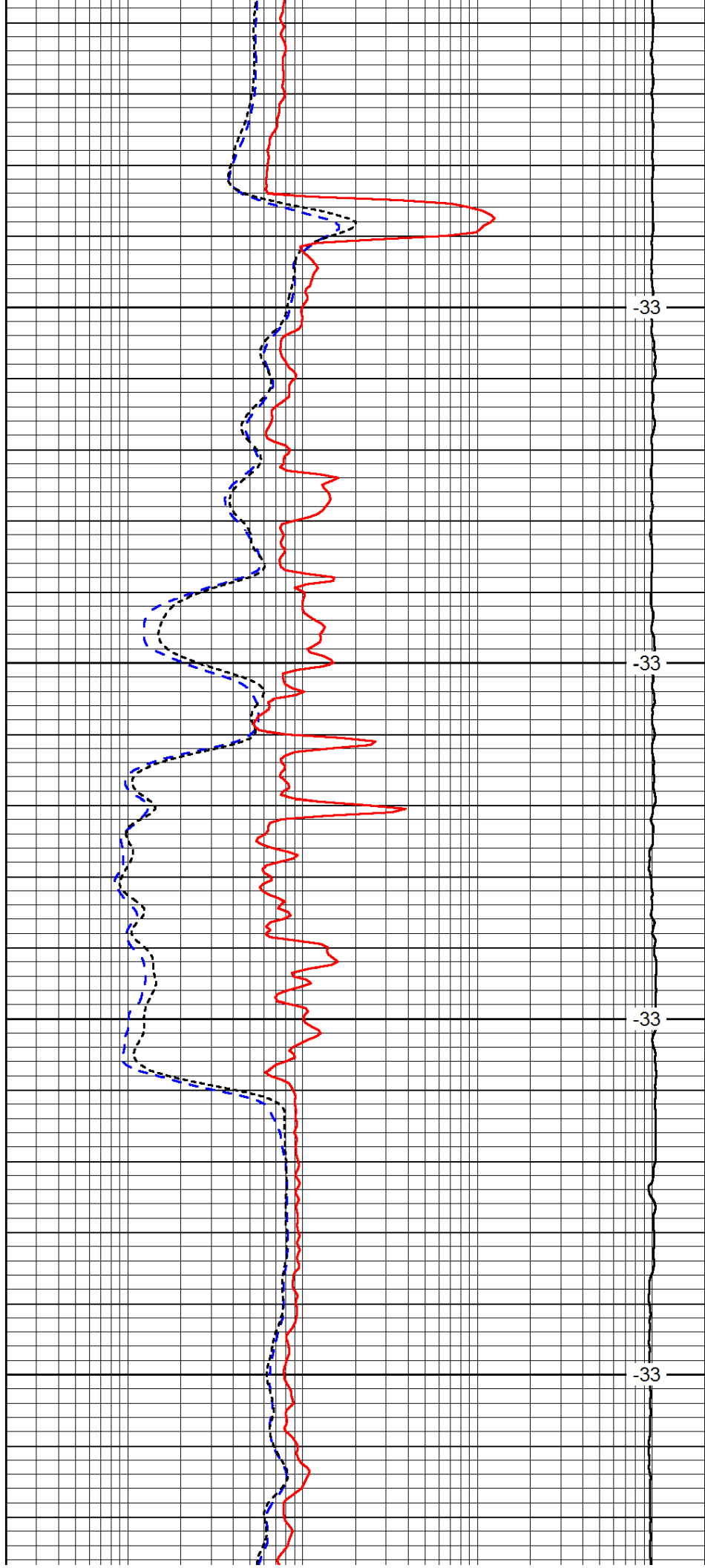


1900

1950

2000

2050

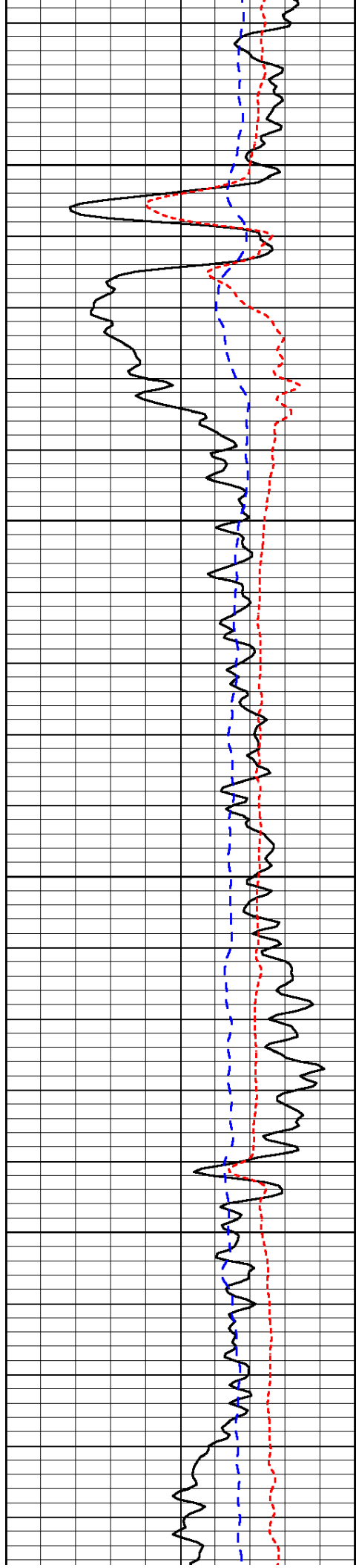


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-33

-33

-33

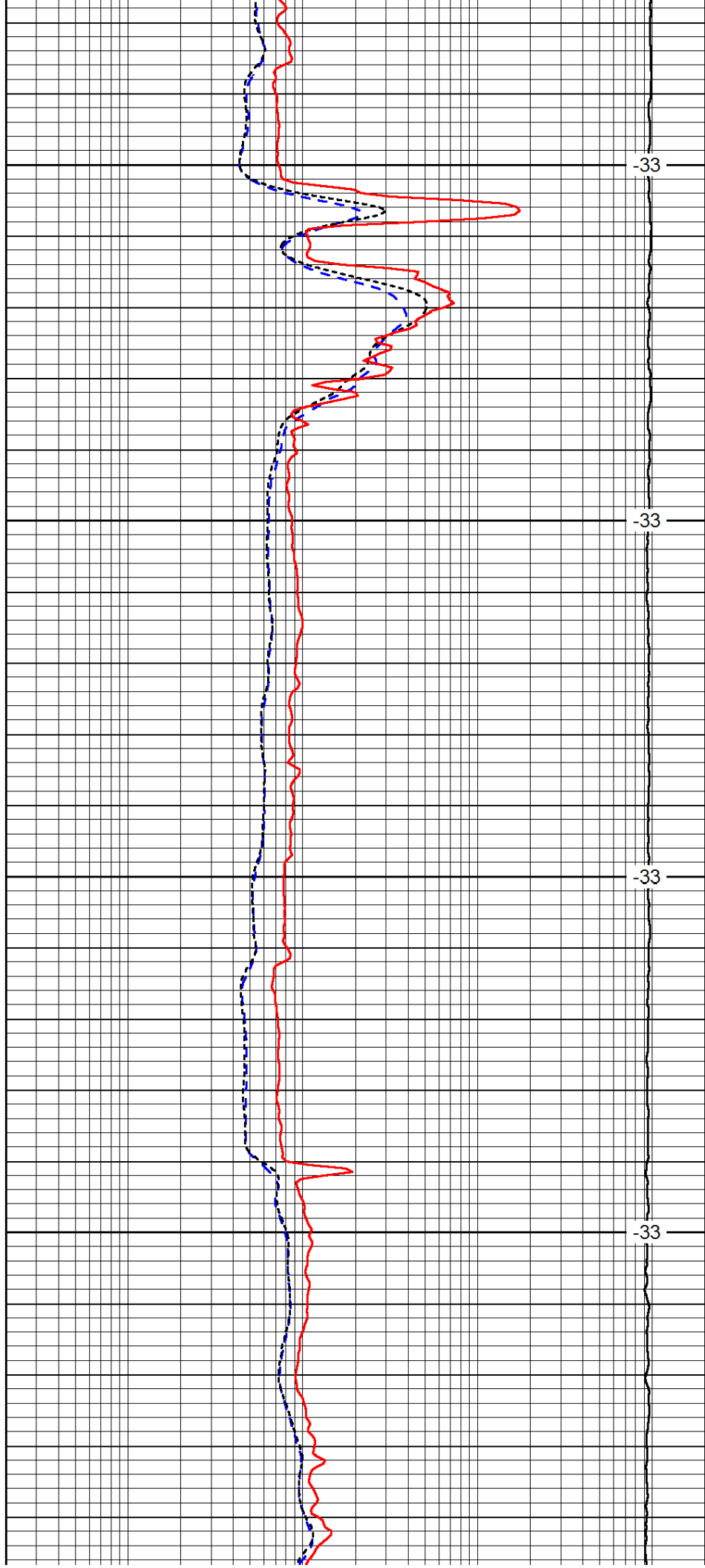


2100

2150

2200

2250

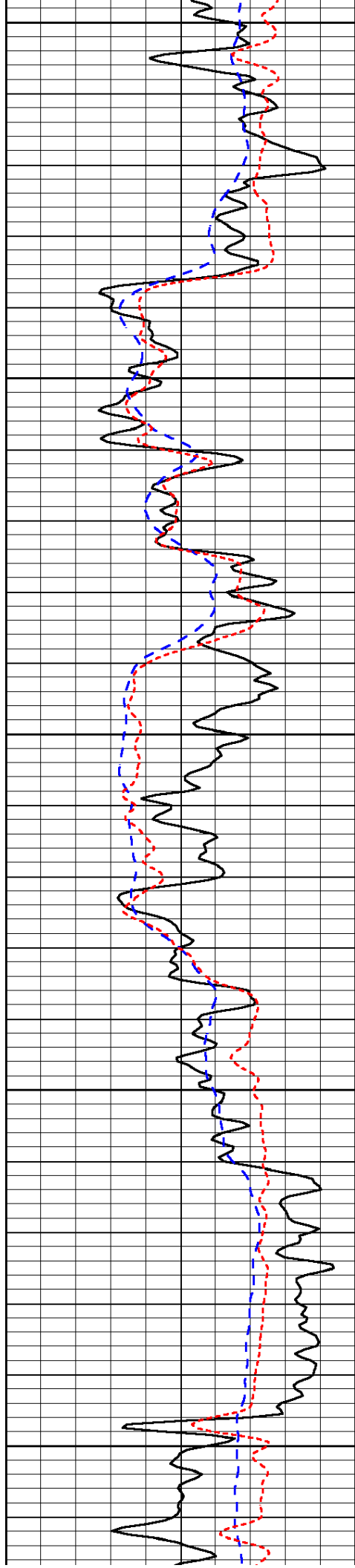


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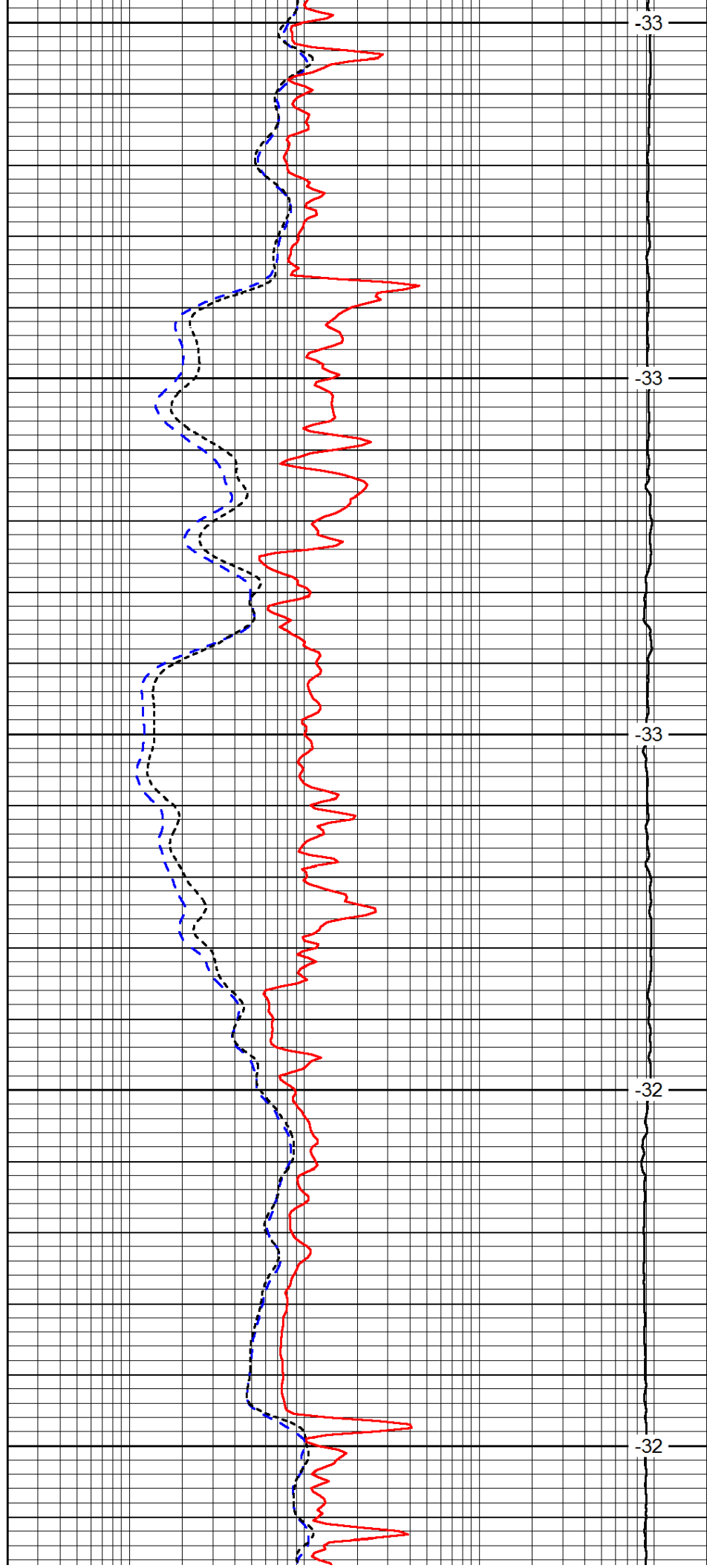
2300

2350

2400

2450

2500



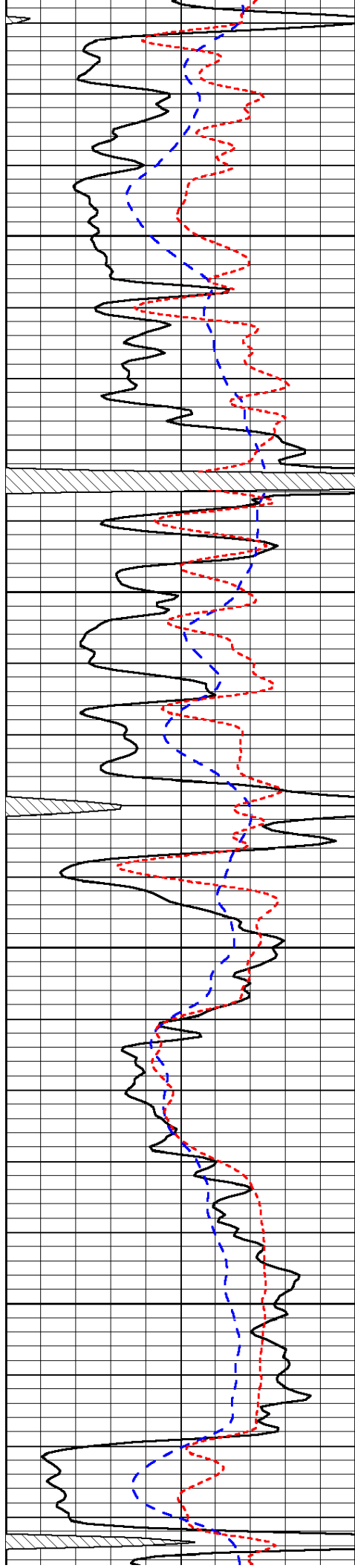
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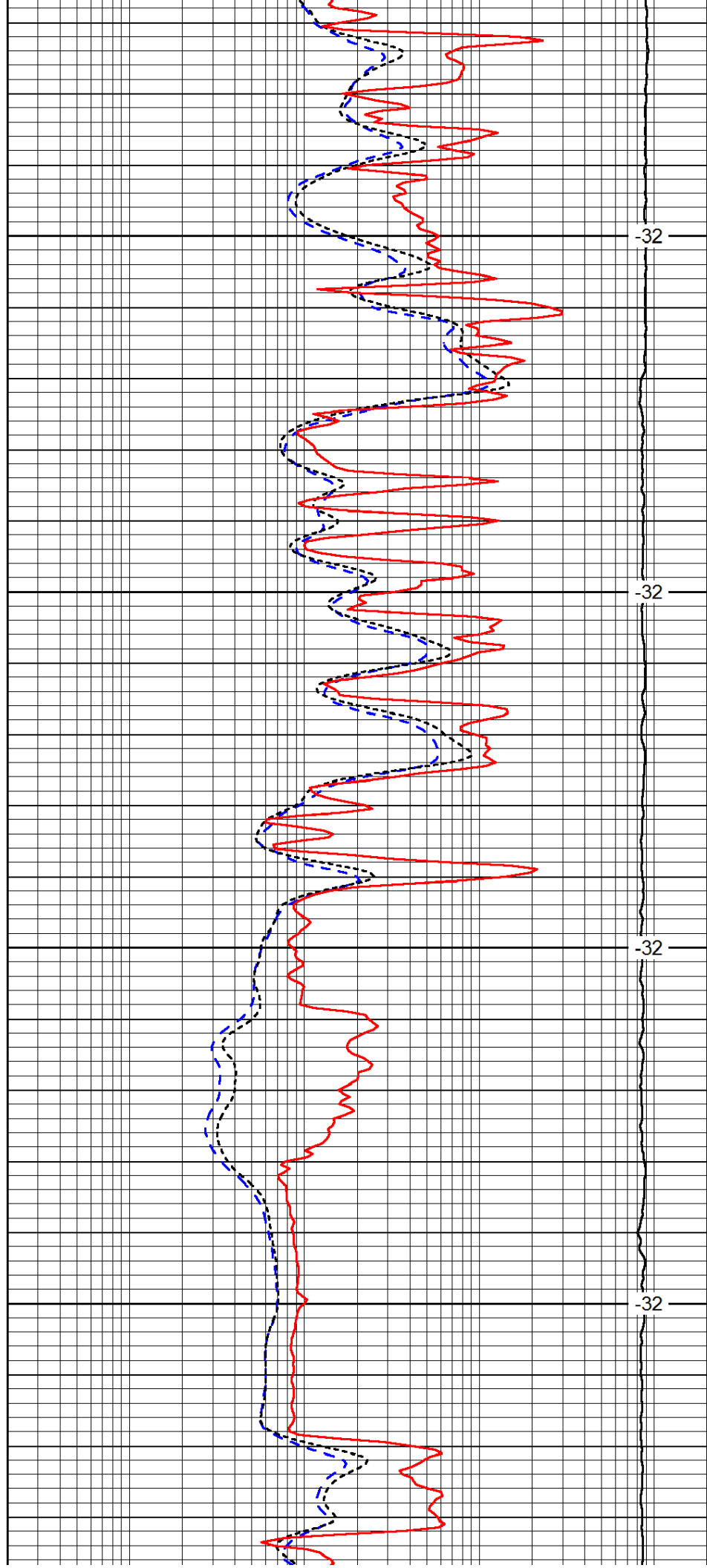


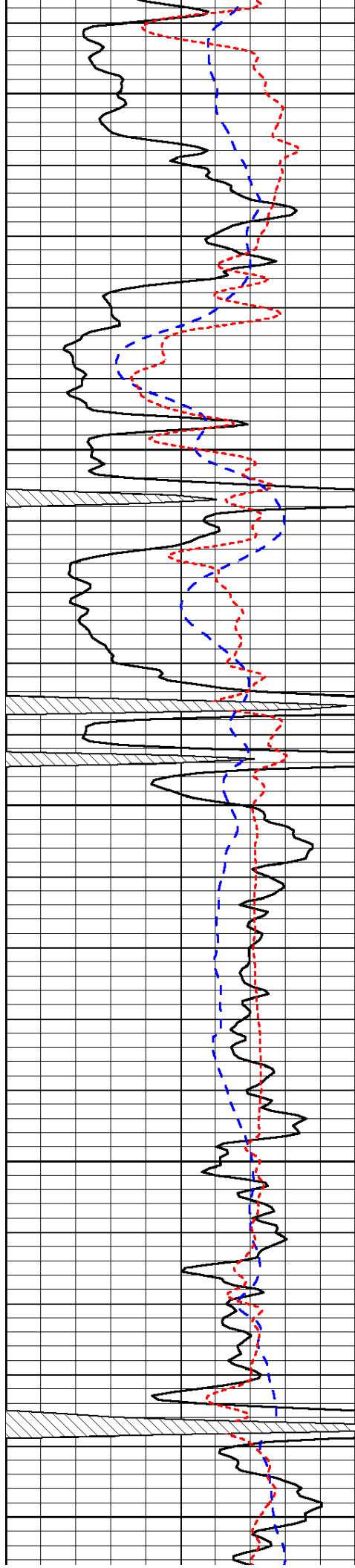
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2600

2650

2700





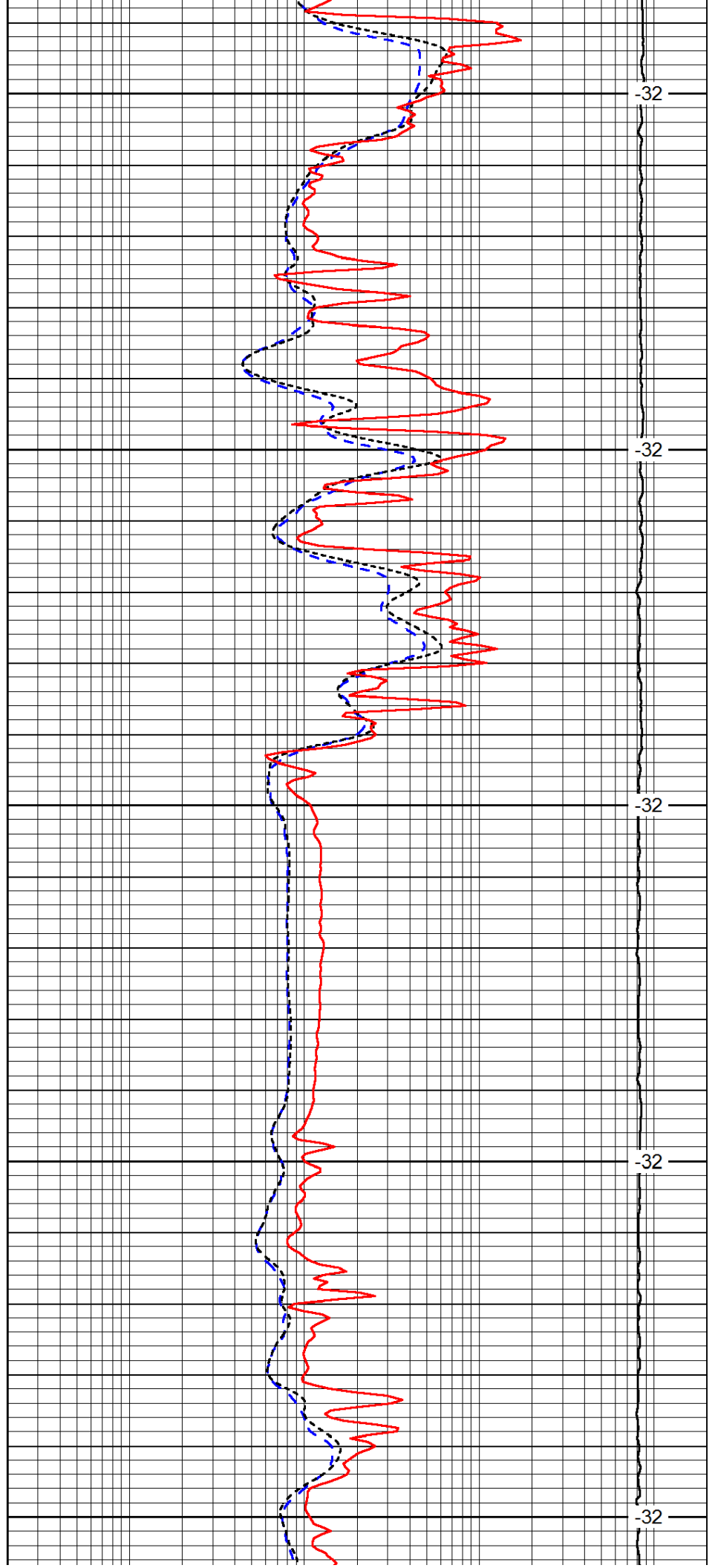
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2800

2850

2900

2950



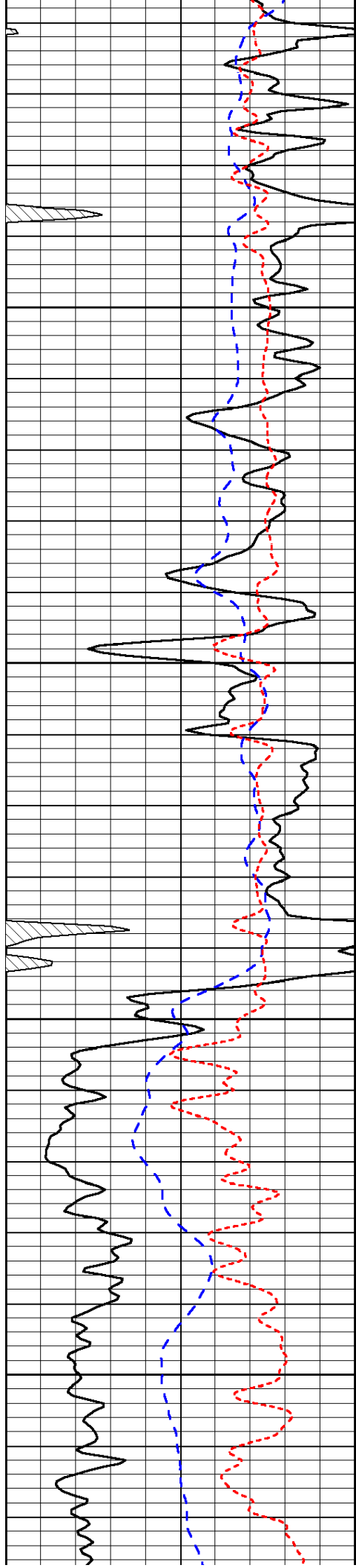
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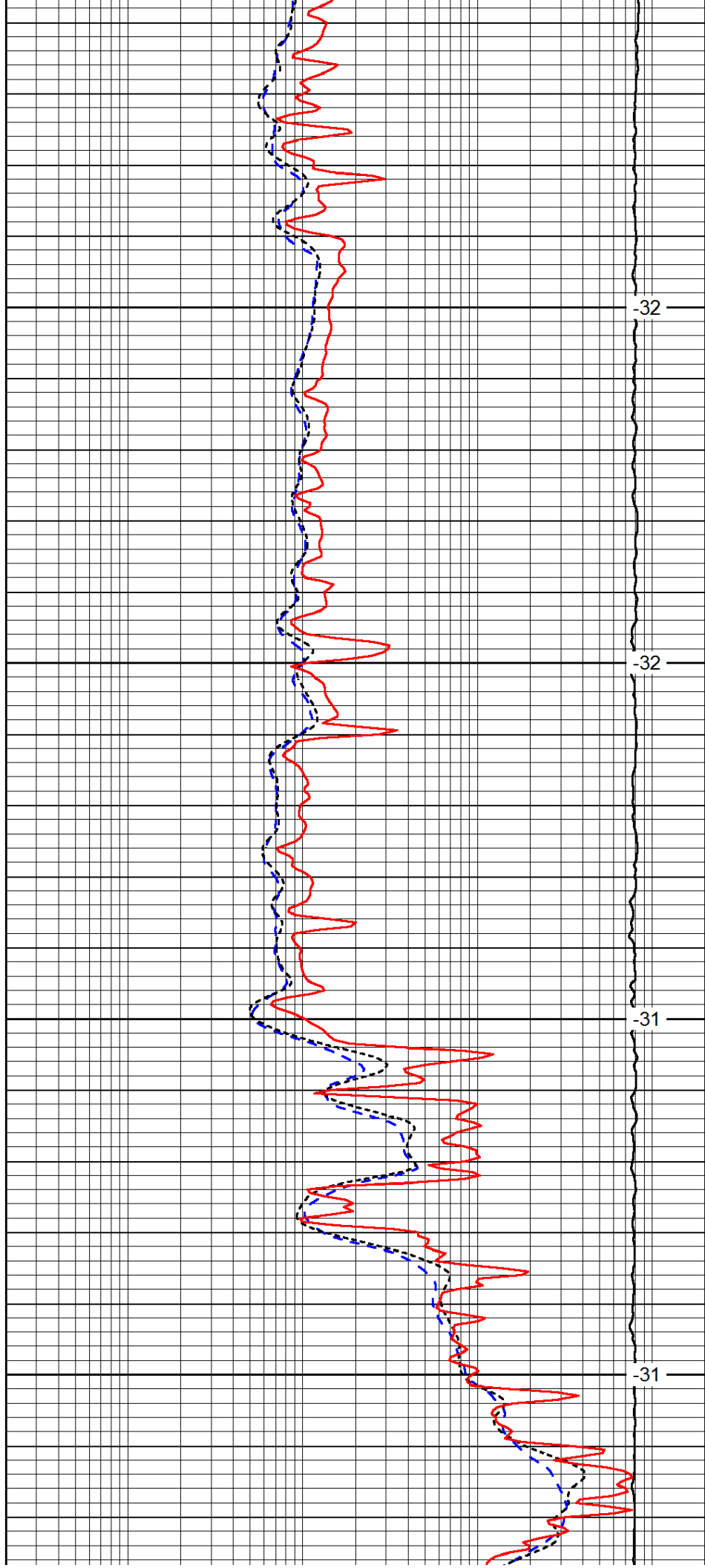


3000

3050

3100

3150

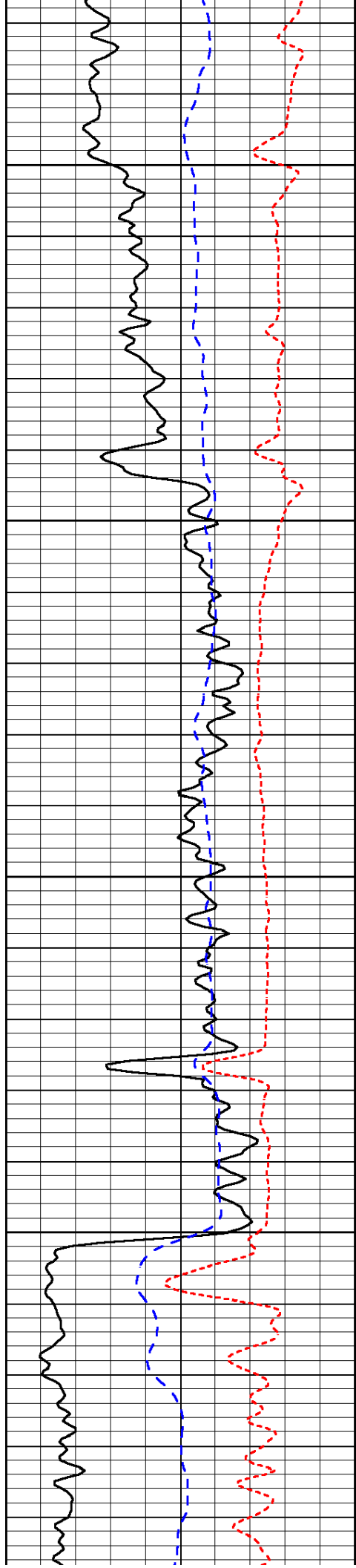


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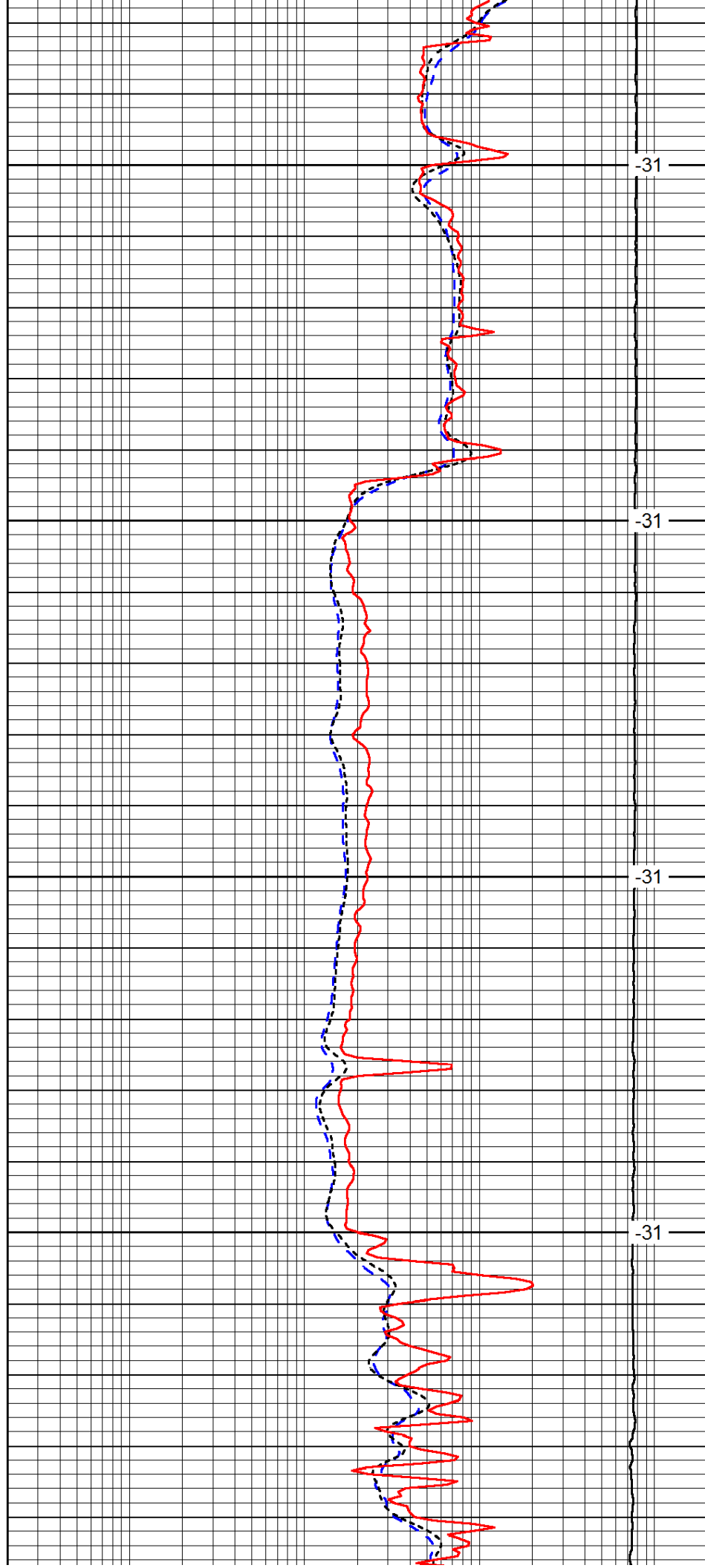


3200

3250

3300

3350

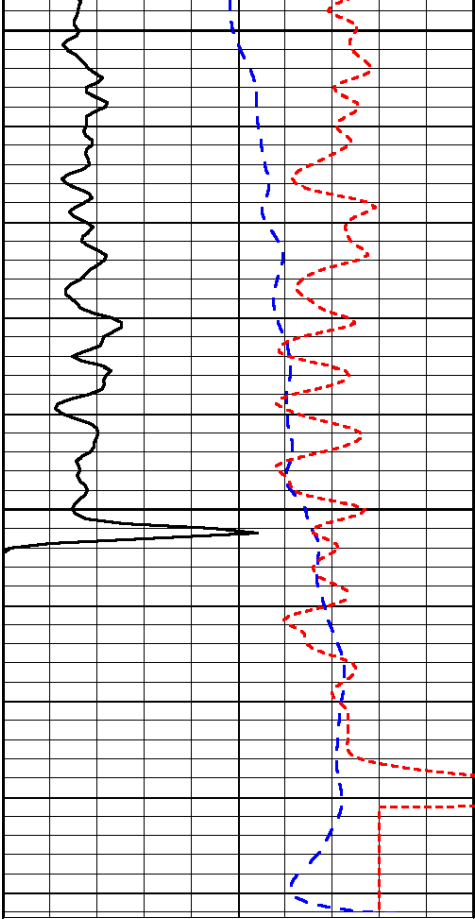


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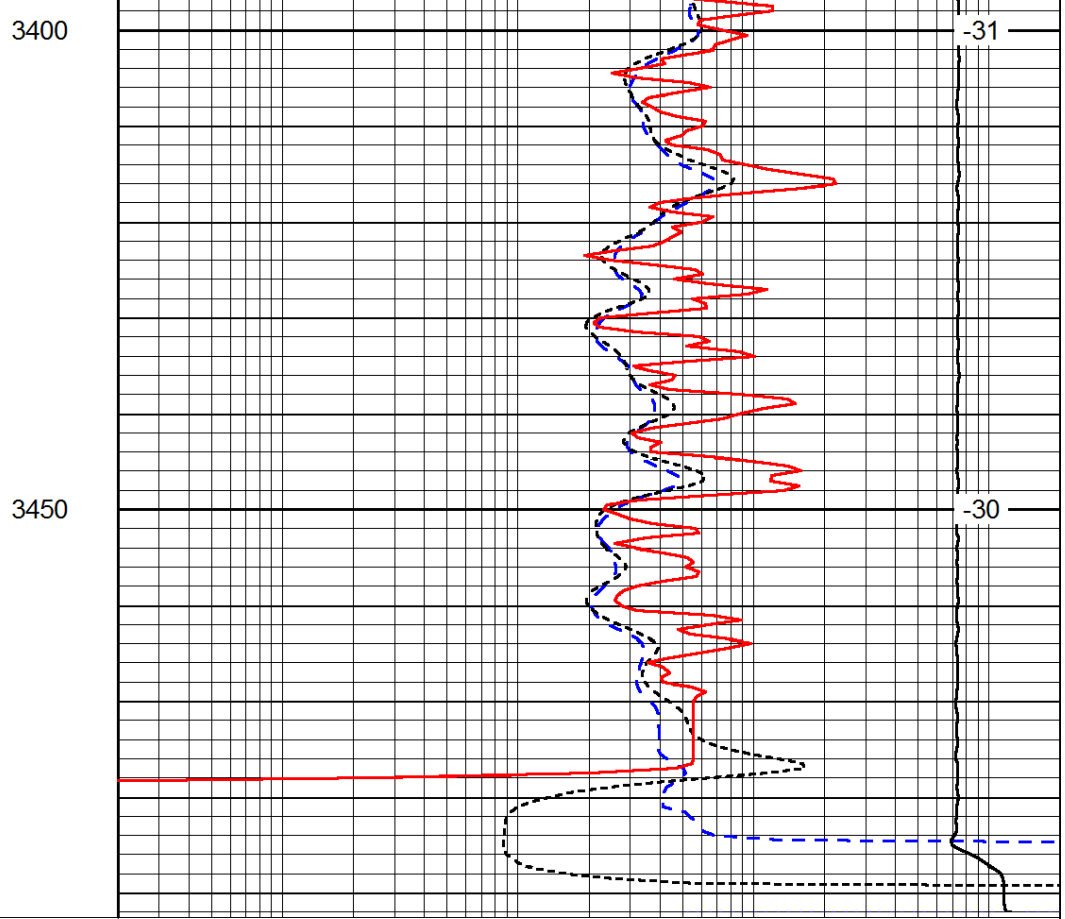
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-31



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LSPD