



Pioneer Energy Services

Dual Induction Log

API No.

15-109-21380-00-00

Company **Black Tea Oil, LLC**

Well **Rose Trust "B" #3**

Field **Wildcat**

County **Logan**

State

Kansas

Location

**SE NW SE NW
1950' FNL / 1895' FWL**

Sec: **29**

Twp: **14S**

Rge: **32W**

Elevation

Permanent Datum **Ground Level** Elevation **2656**
Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 2665
D.F. 2656
G.L. 2656

Date

1/17/2015

Run Number

One

Depth Driller

4372

Depth Logger

4370

Bottom Logged Interval

4369

Top Log Interval

250

Casing Driller

8.625 @ 264

Casing Logger

263

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

10,000

Density / Viscosity

9.2 56

pH / Fluid Loss

10.0 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

0.40 @ 60

Rmf @ Meas. Temp

0.30 @ 60

Rmc @ Meas. Temp

0.54 @ 60

Source of Rmf / Rmc

Charts

Rm @ BHT

0.20 @ 120

Operating Rig Time

5 Hours

Max Rec. Temp. F

120

Equipment Number

15

Location

Hays

Recorded By

R. Barnhart

Witnessed By

Mike Sell

<<< 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

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(785) 625-3858

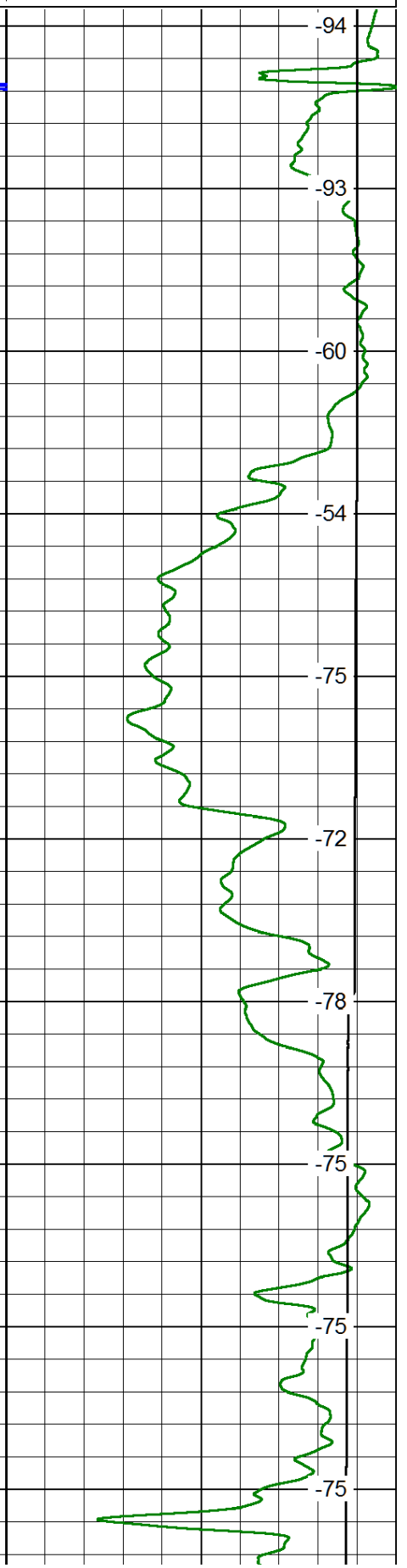
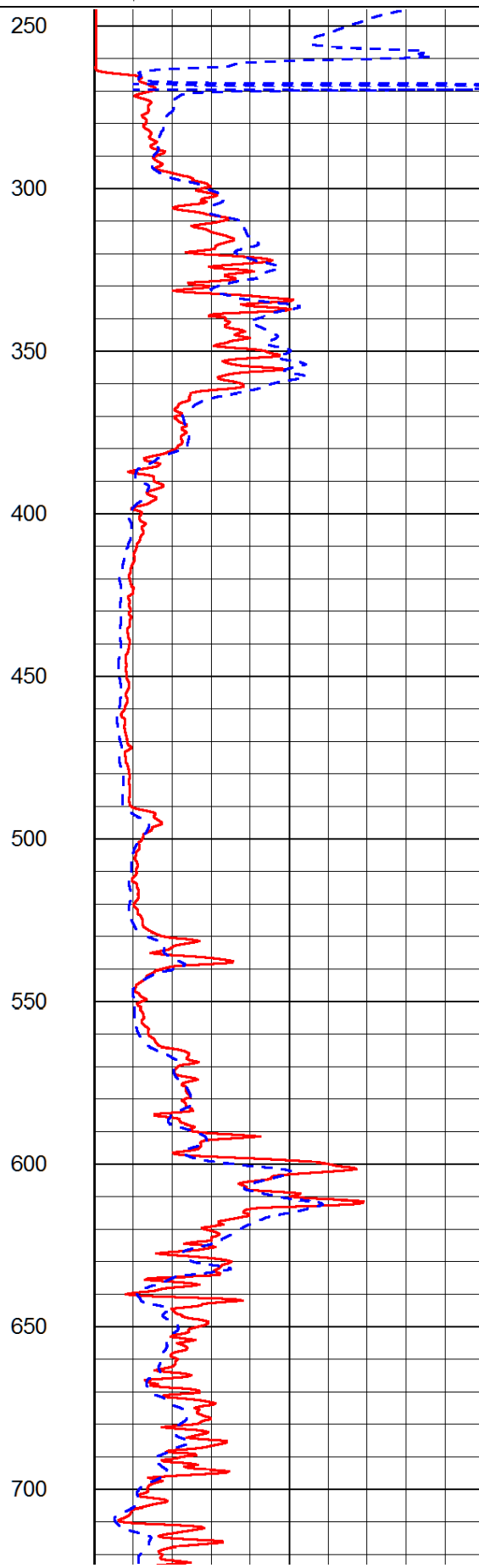
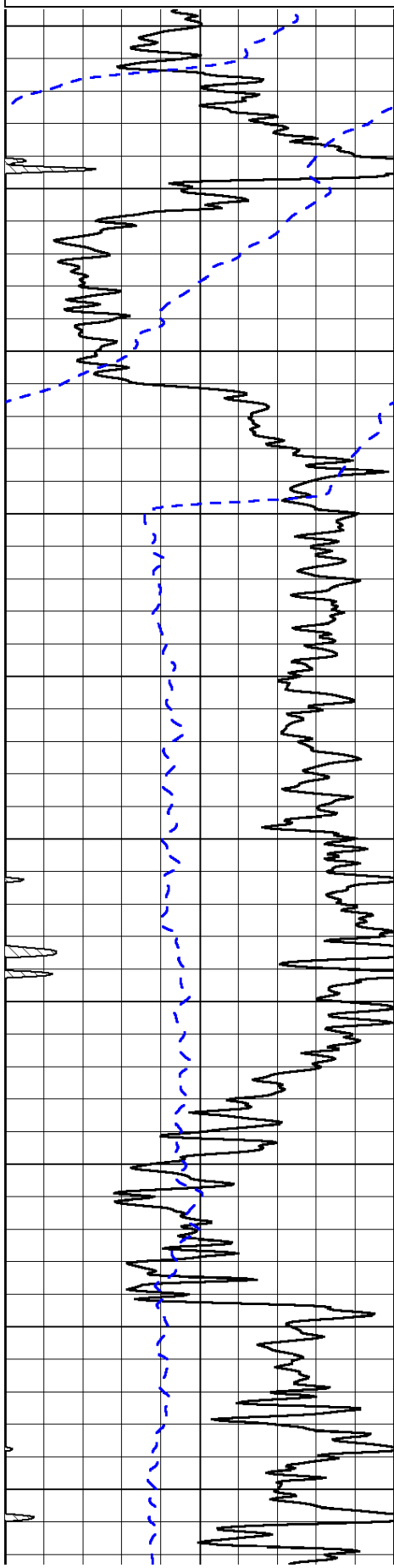
Oakley, KS:
S to Gold Rd., 2 1/2W, 1 1/2N into

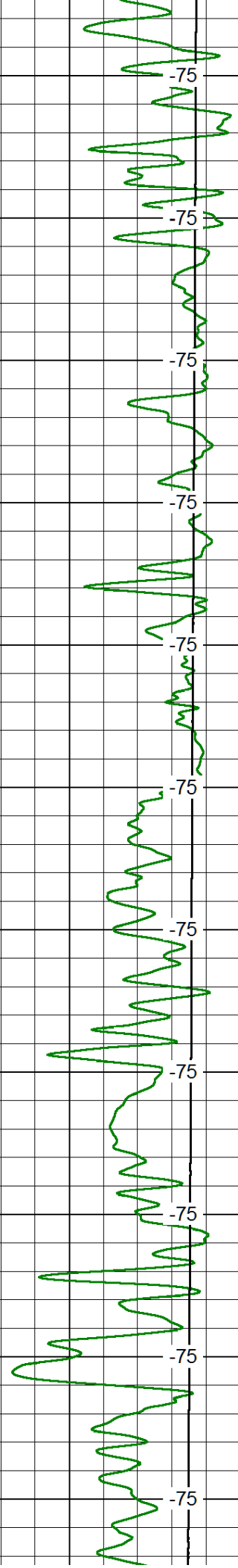
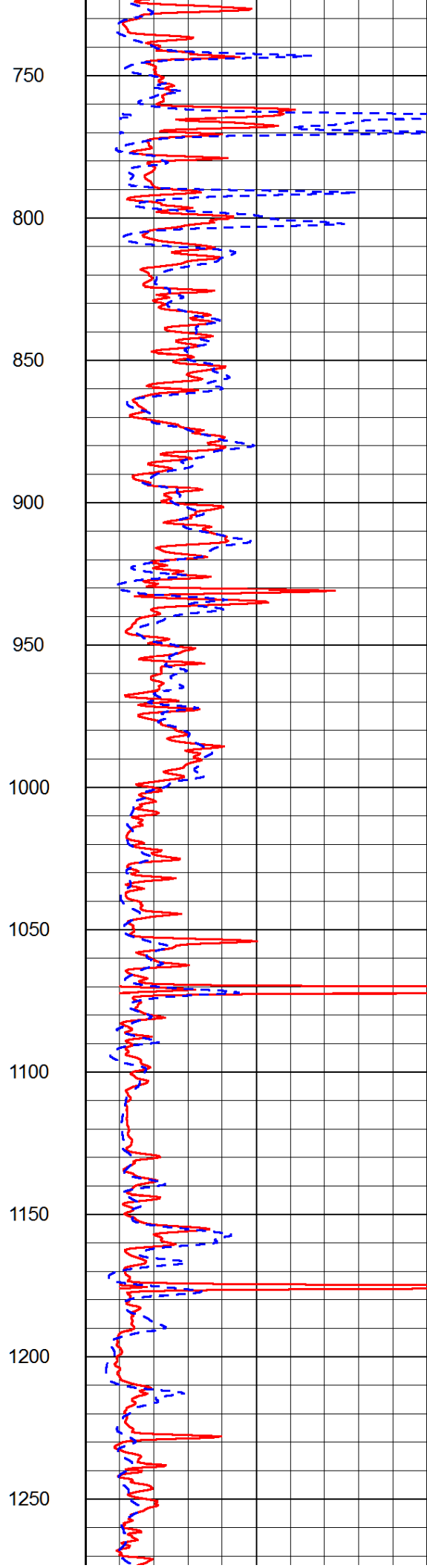
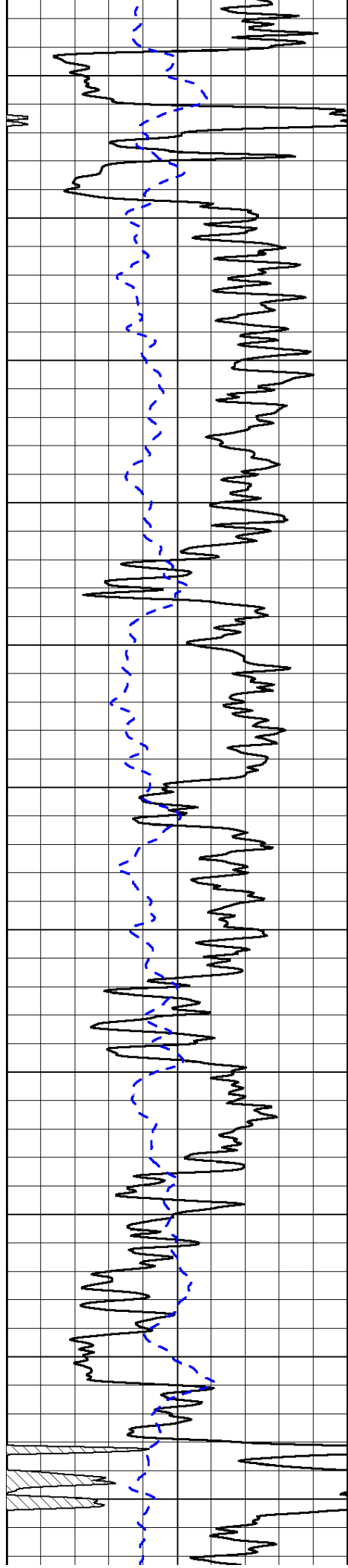
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Dataset Creation: Sat Jan 17 19:03:25 2015
Charted by: Depth in Feet scaled 1:600

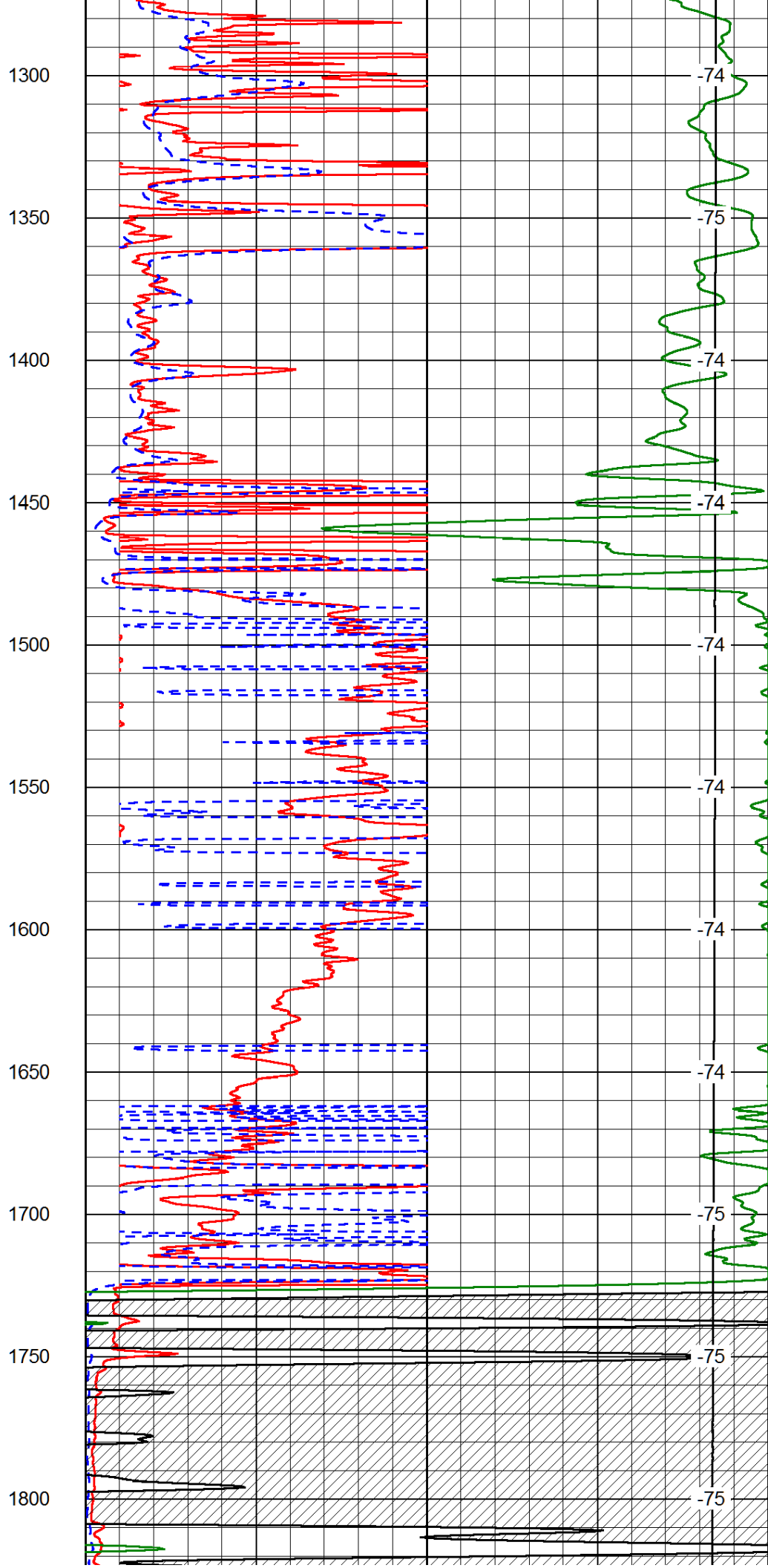
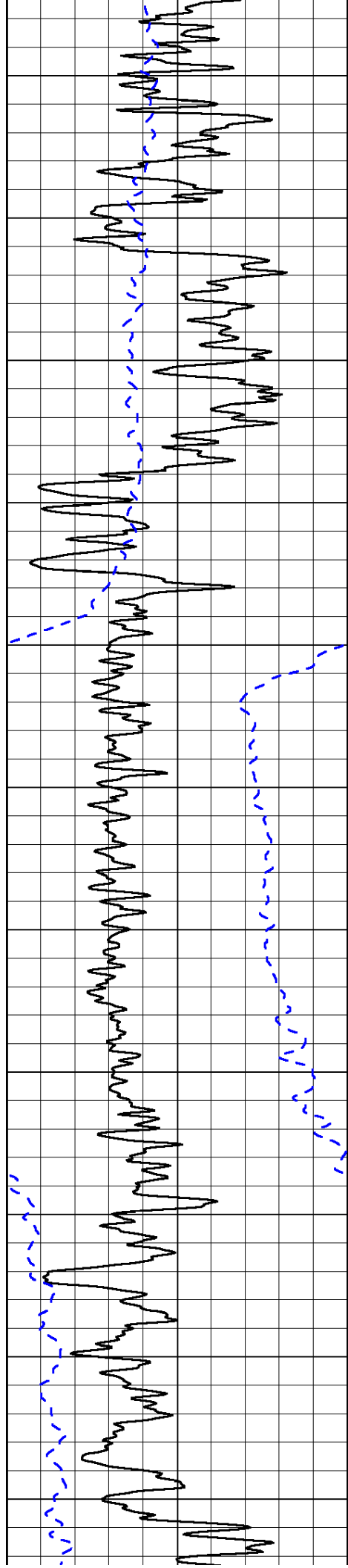
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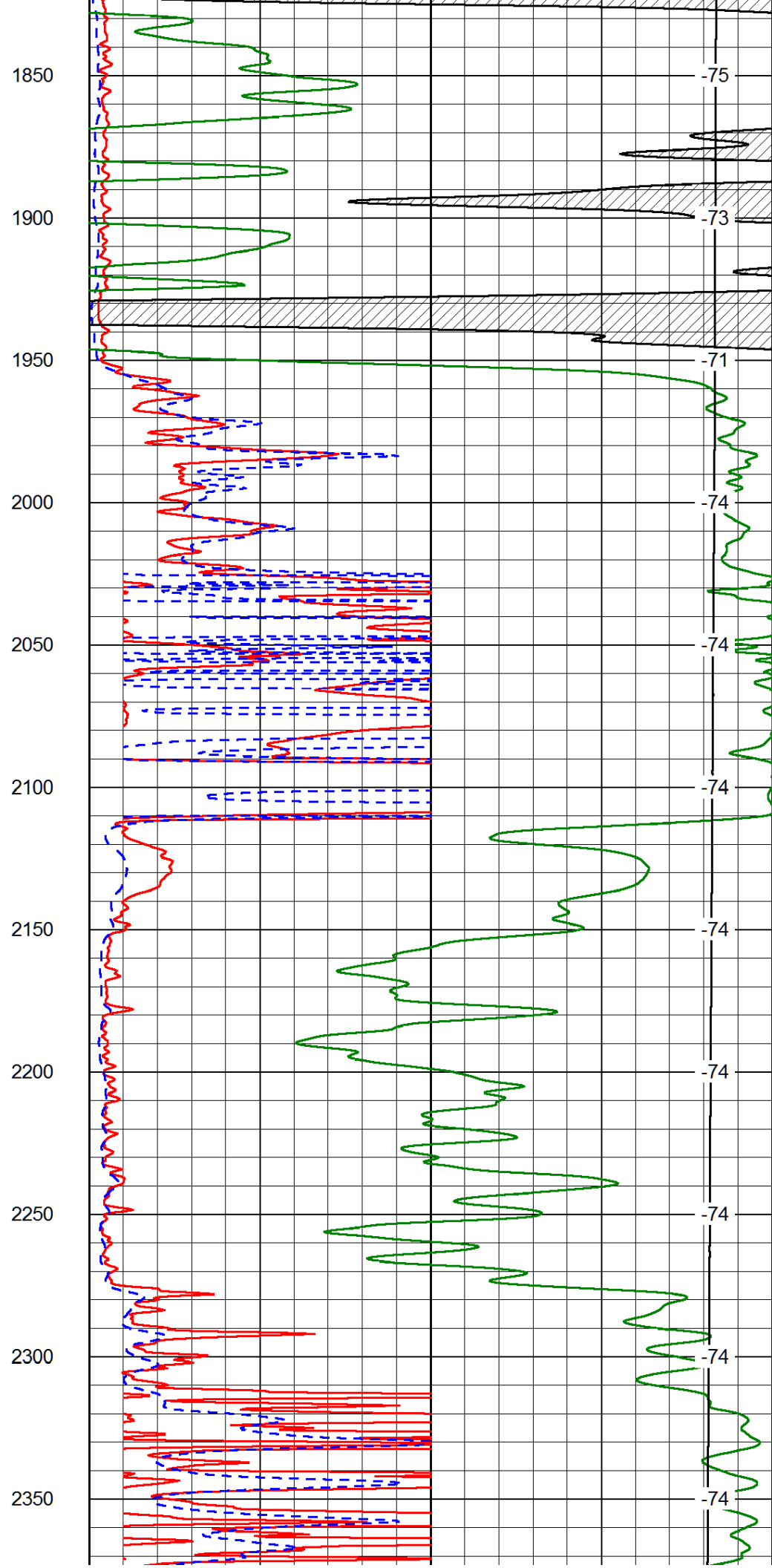
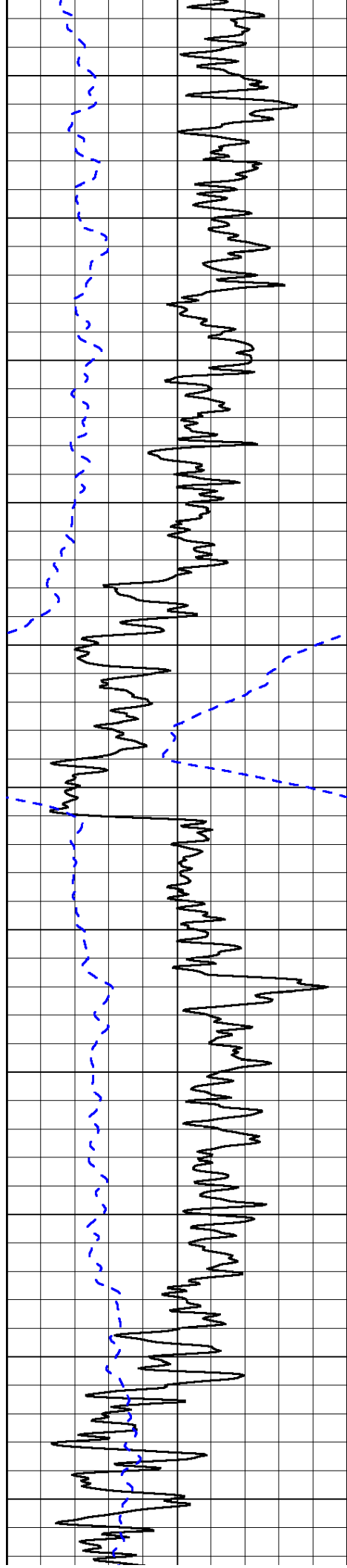
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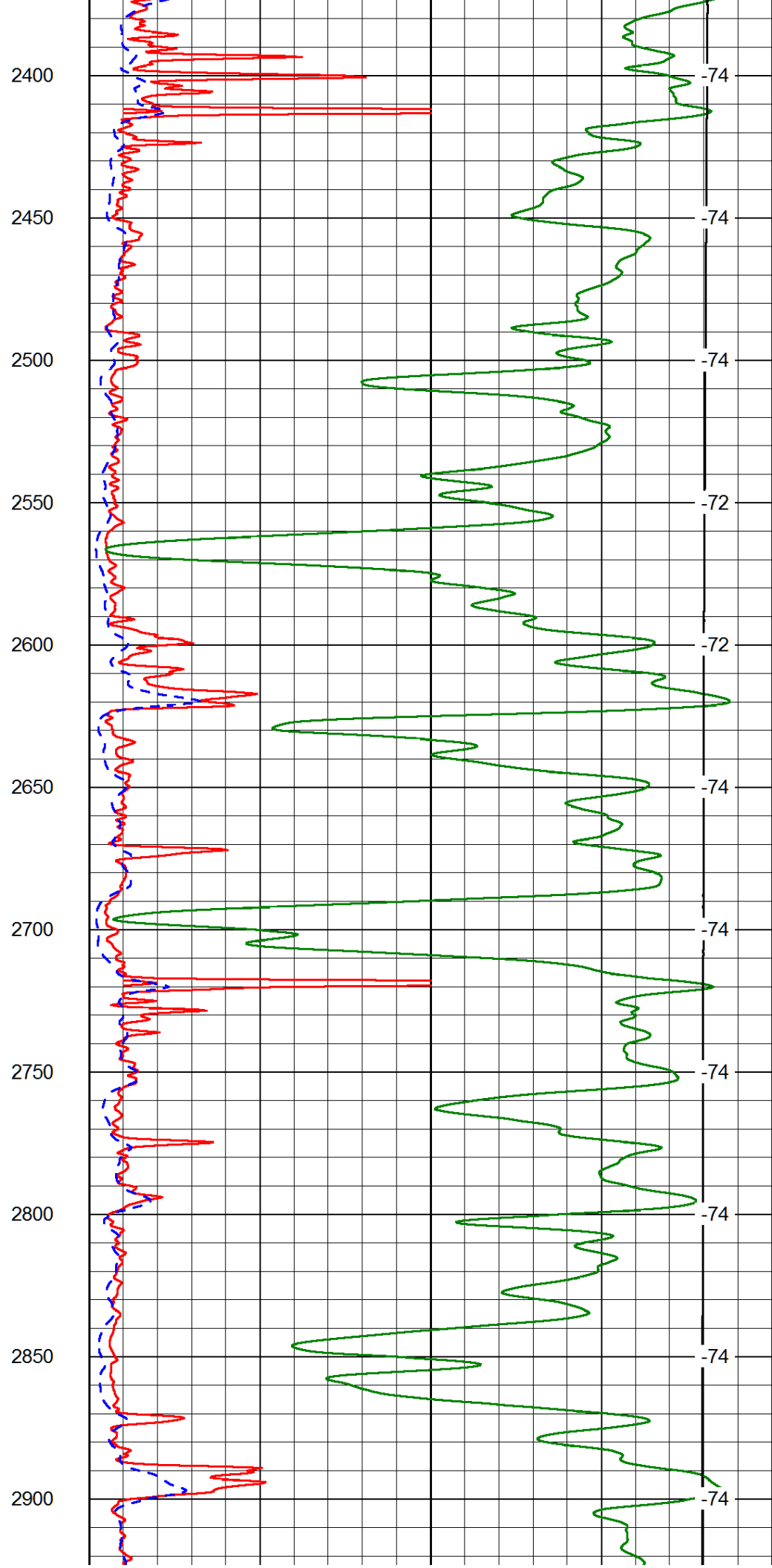
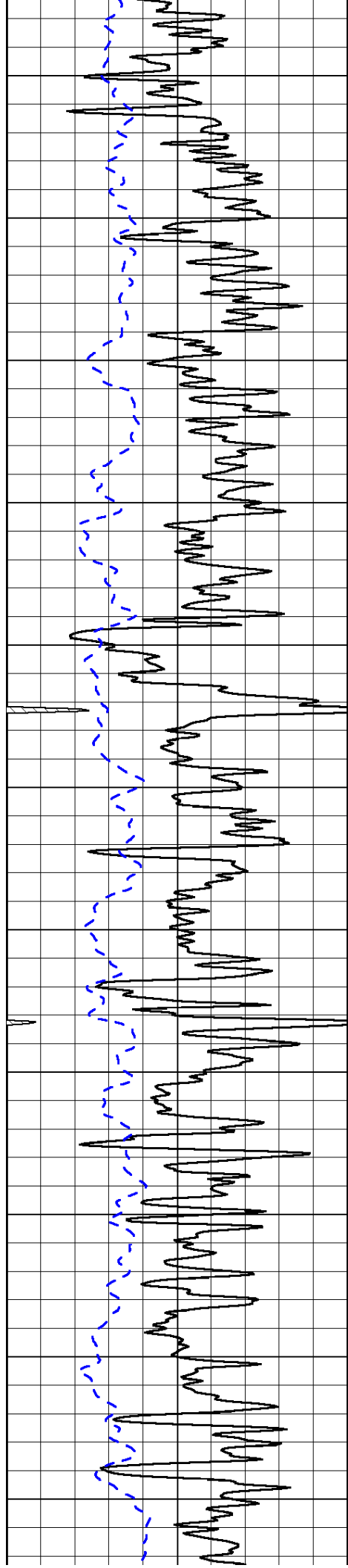
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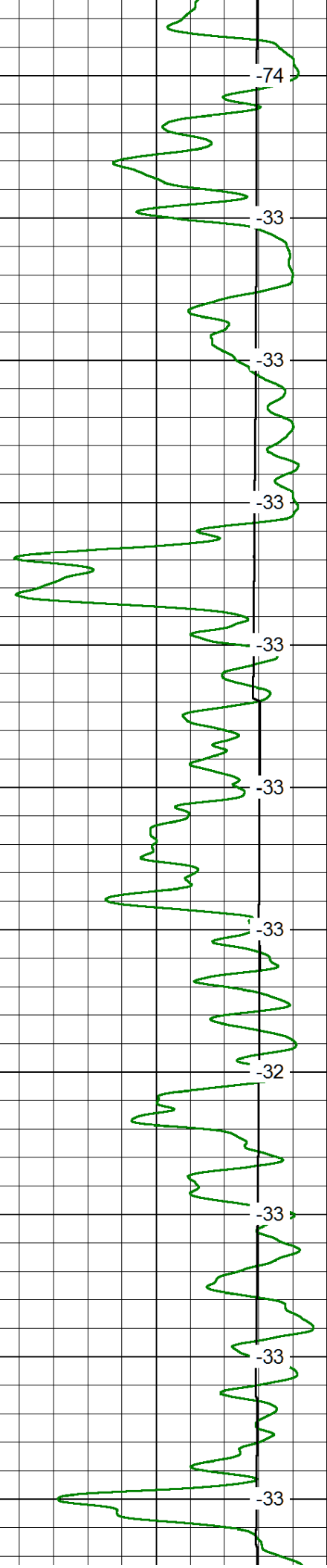
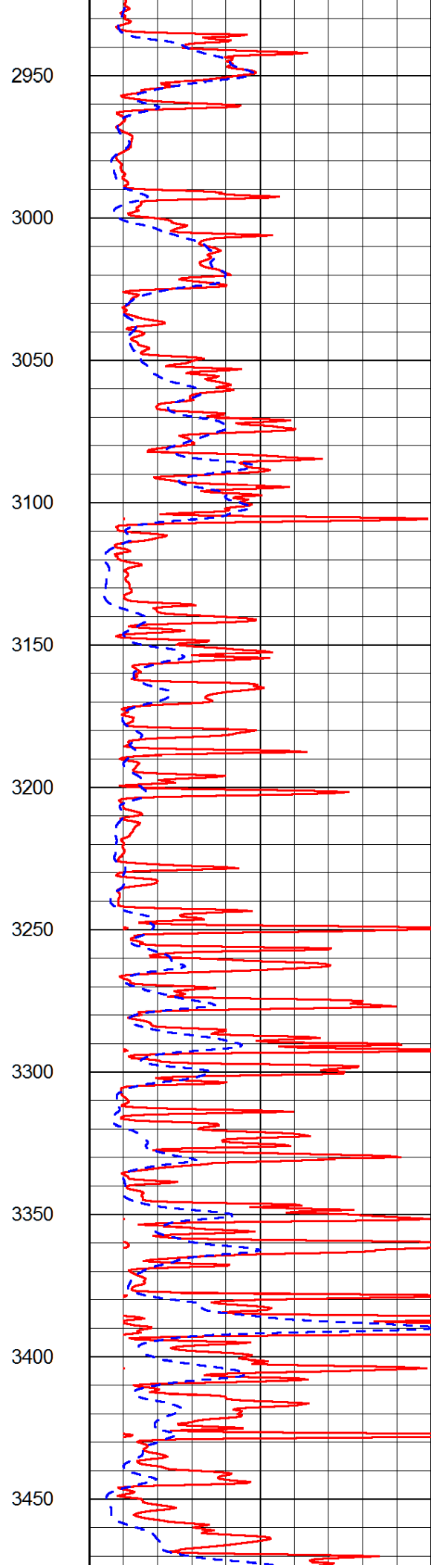
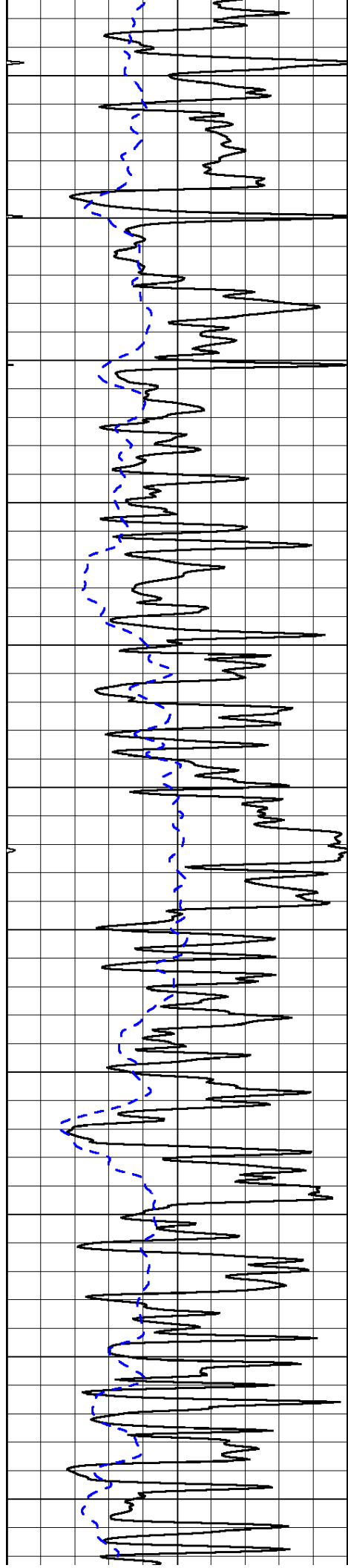


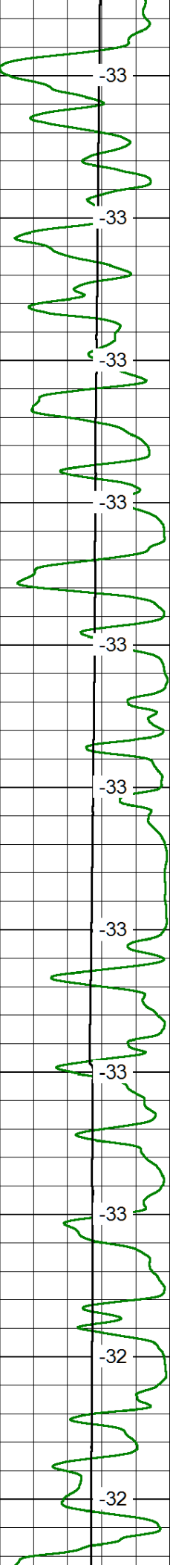
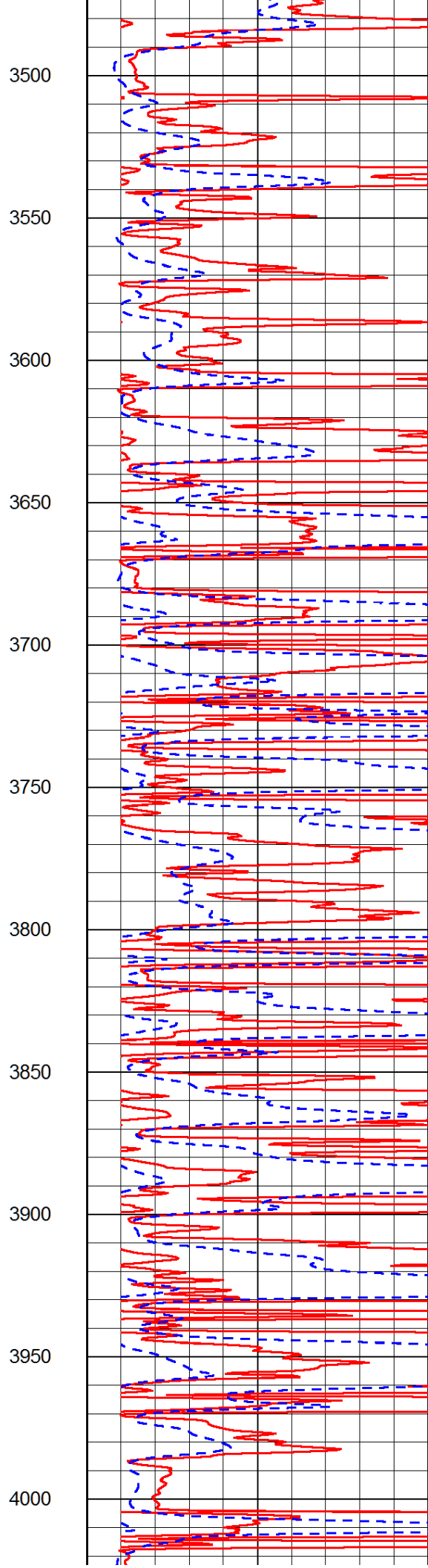
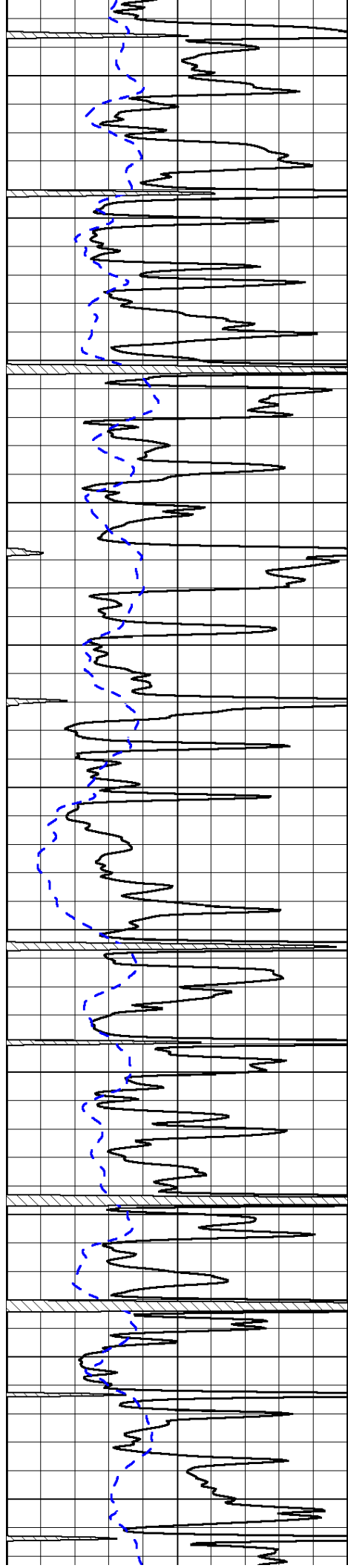


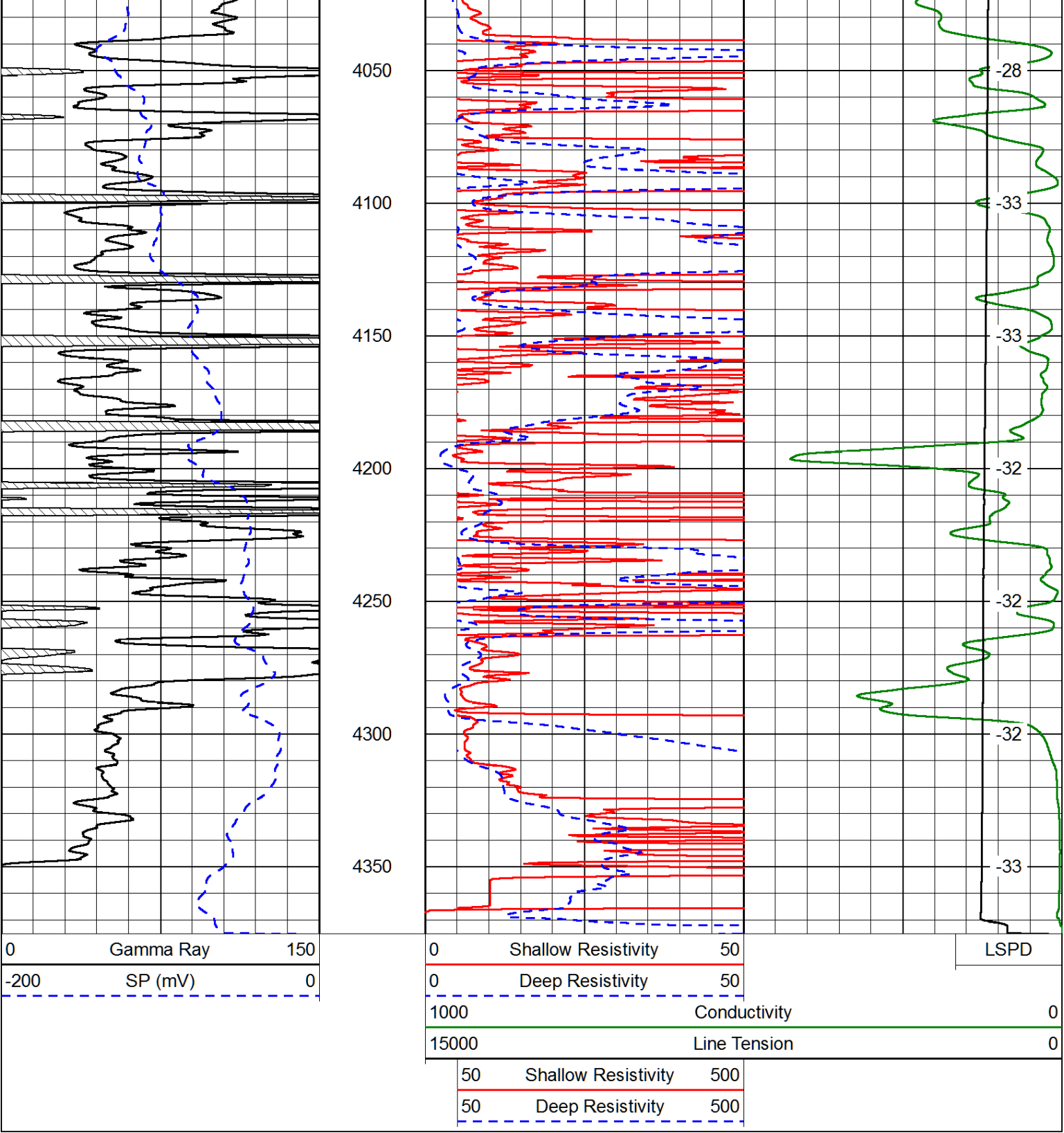










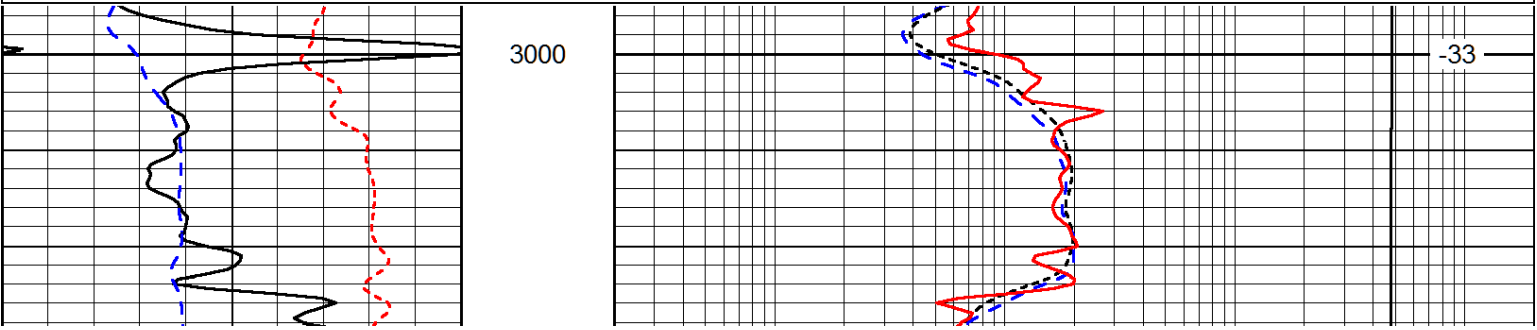
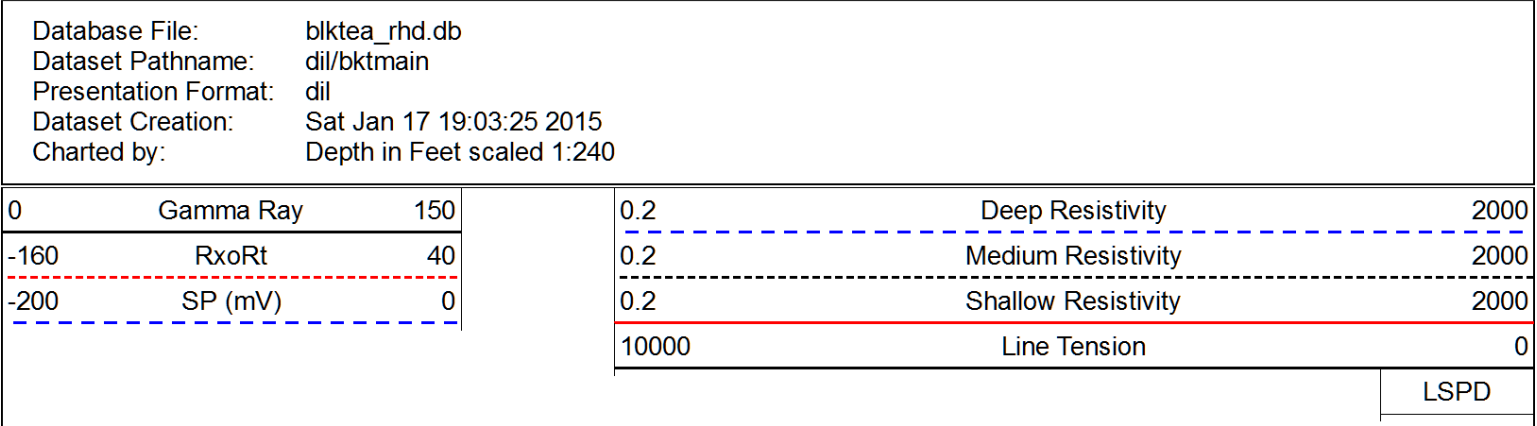
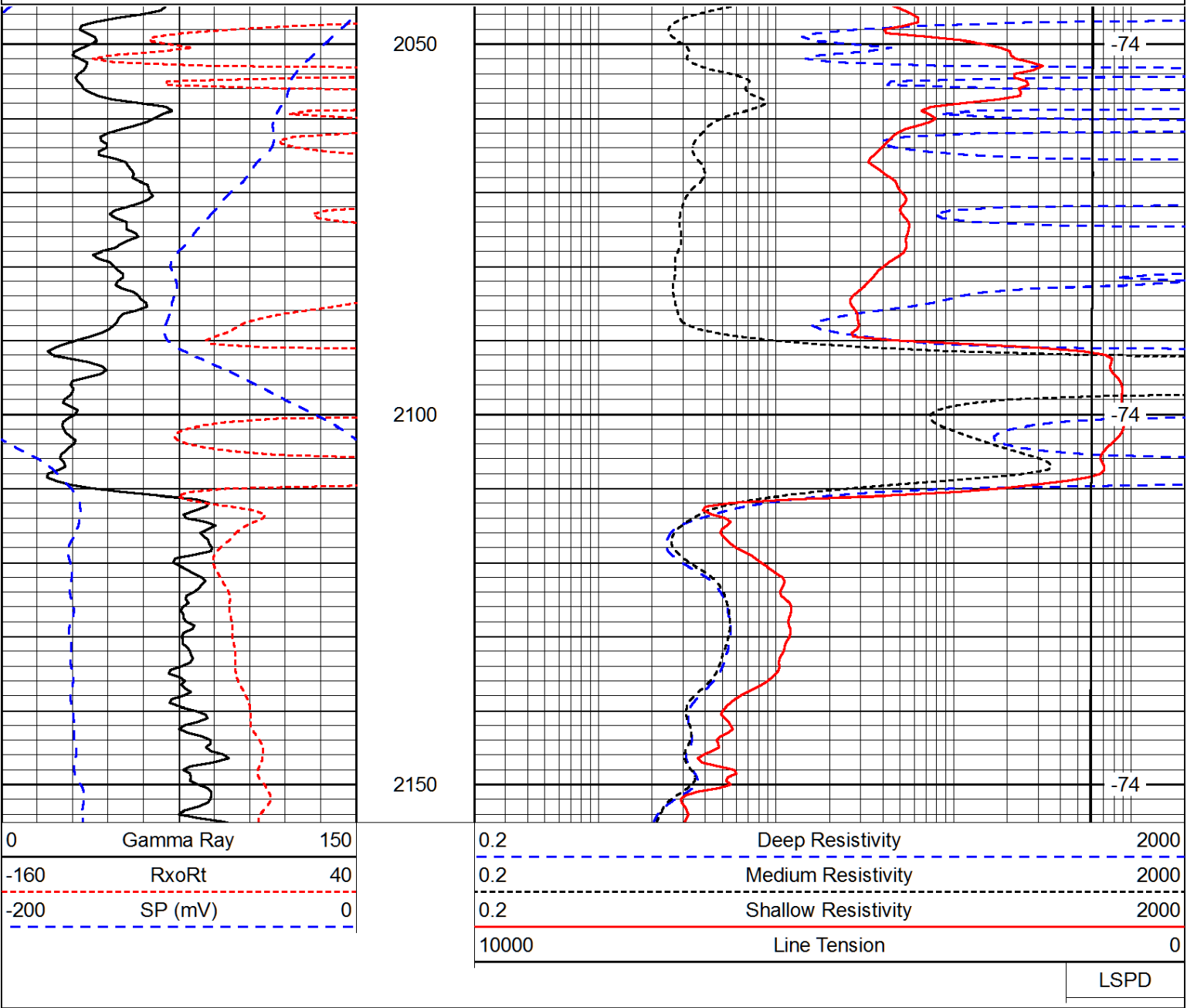


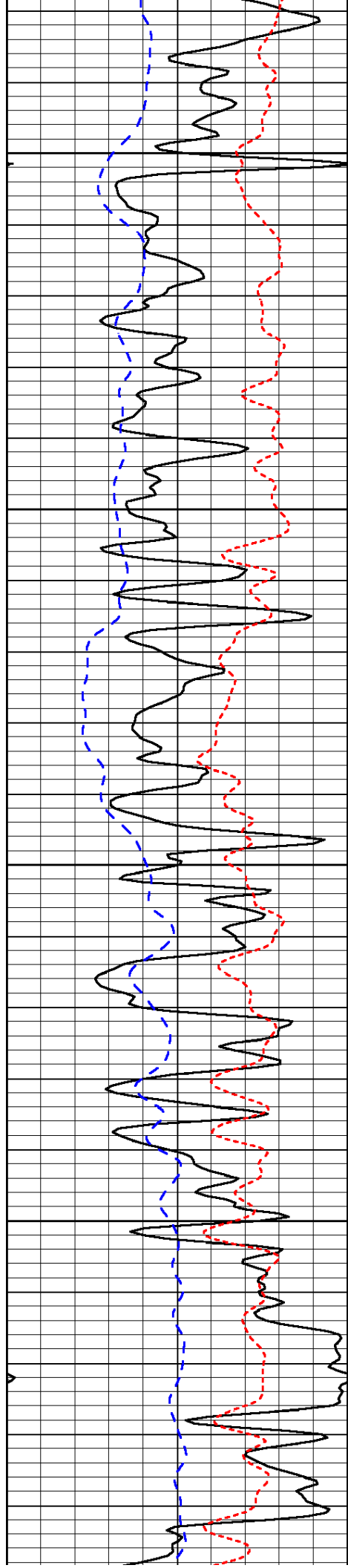
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Dataset Pathname:		dil/bktmain	
Presentation Format:		dil	
Dataset Creation:		Sat Jan 17 19:03:25 2015	
Charted by:		Depth in Feet scaled 1:240	

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



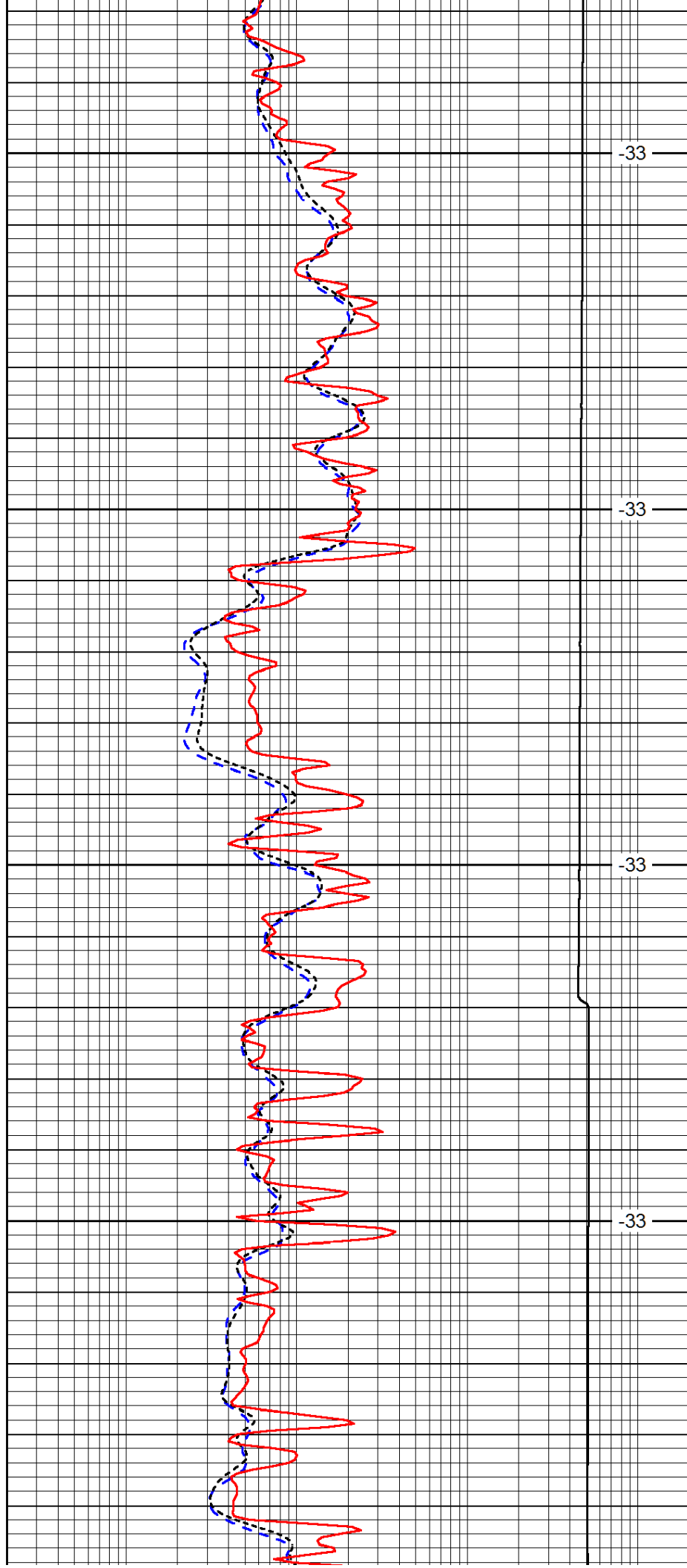


3050

3100

3150

3200

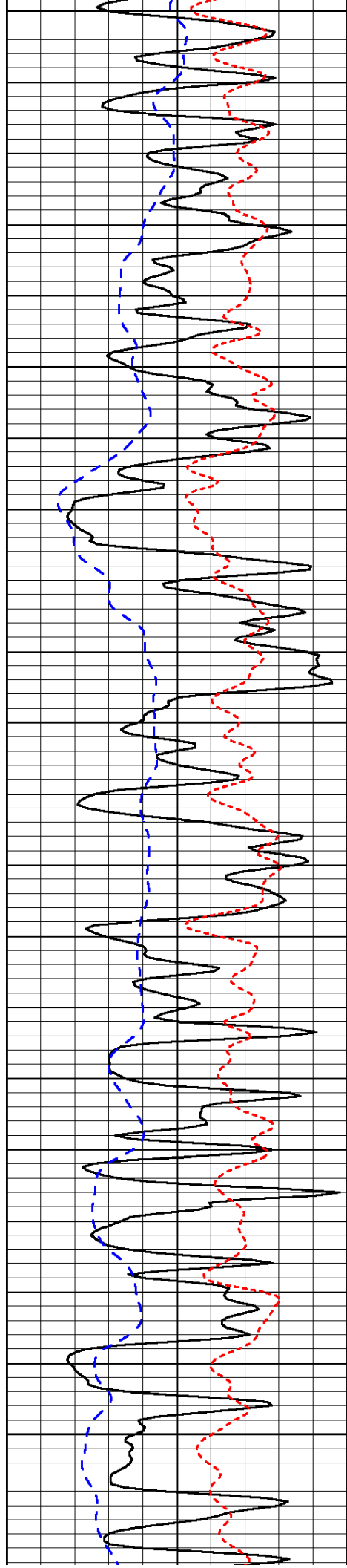


-33

-33

-33

-33



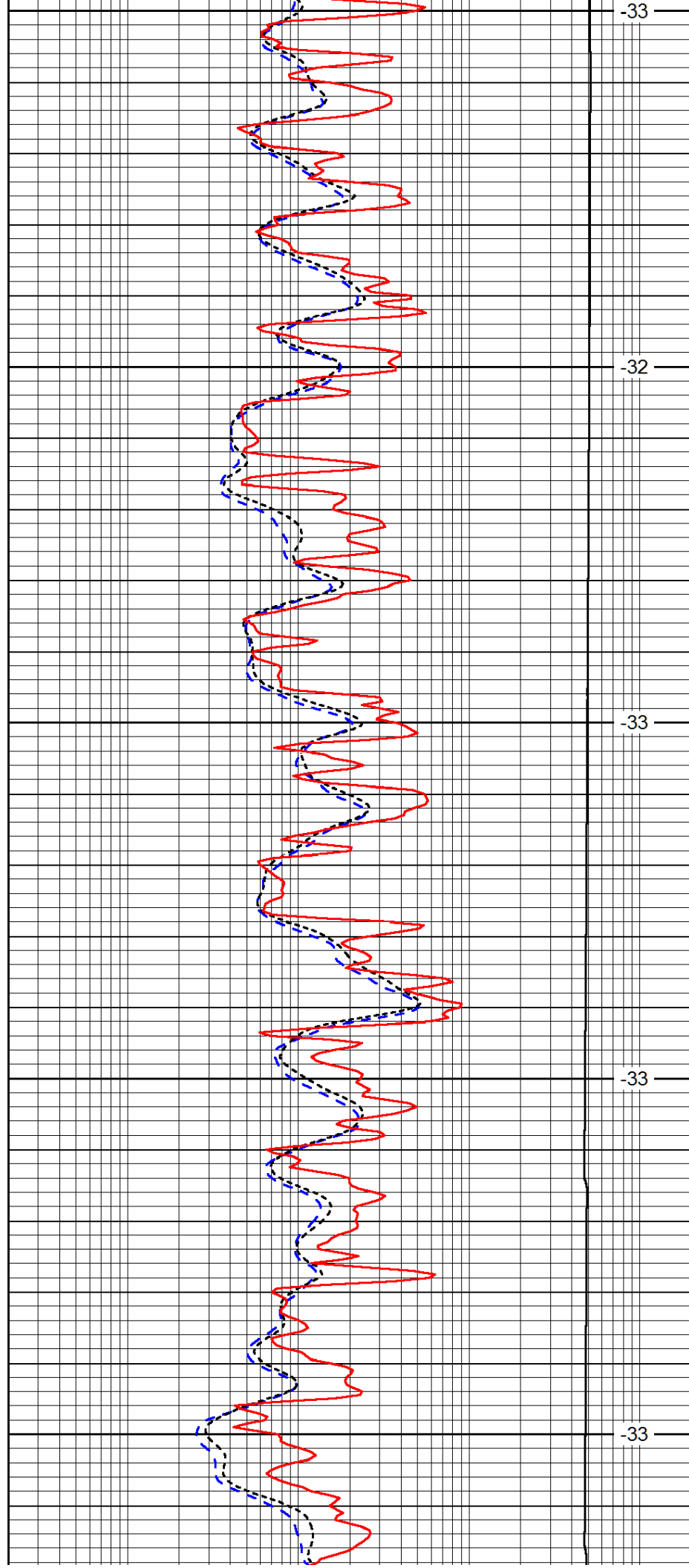
3250

3300

3350

3400

3450



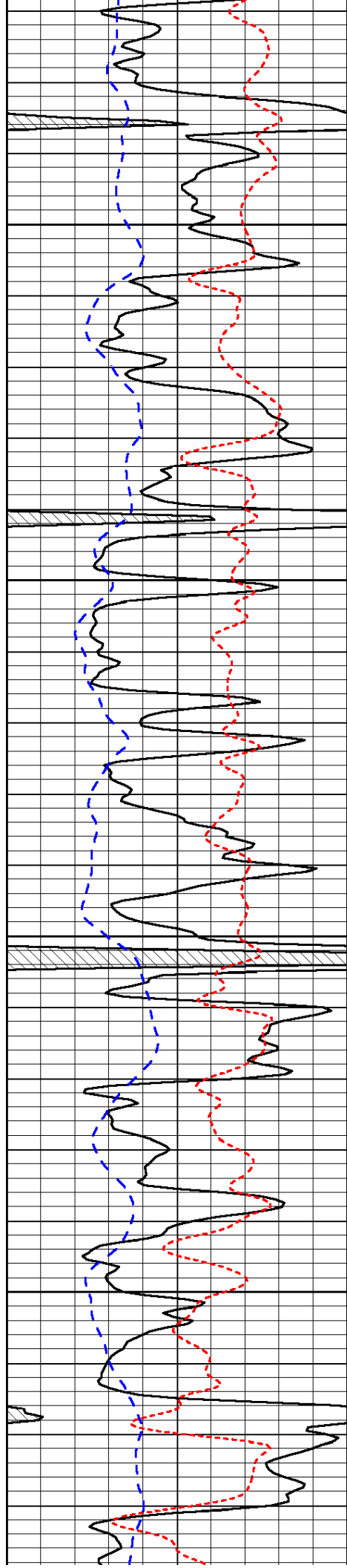
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-32

-33

-33

-33

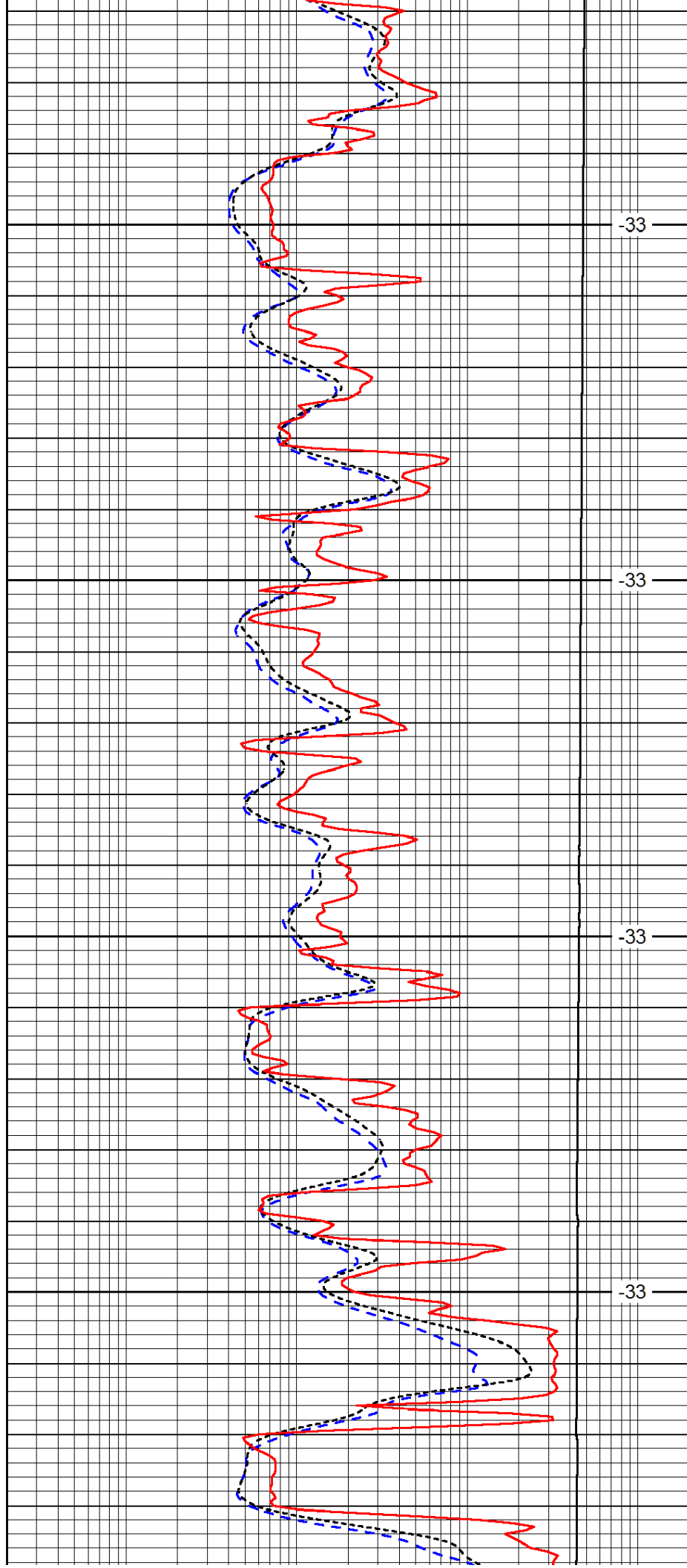


3500

3550

3600

3650

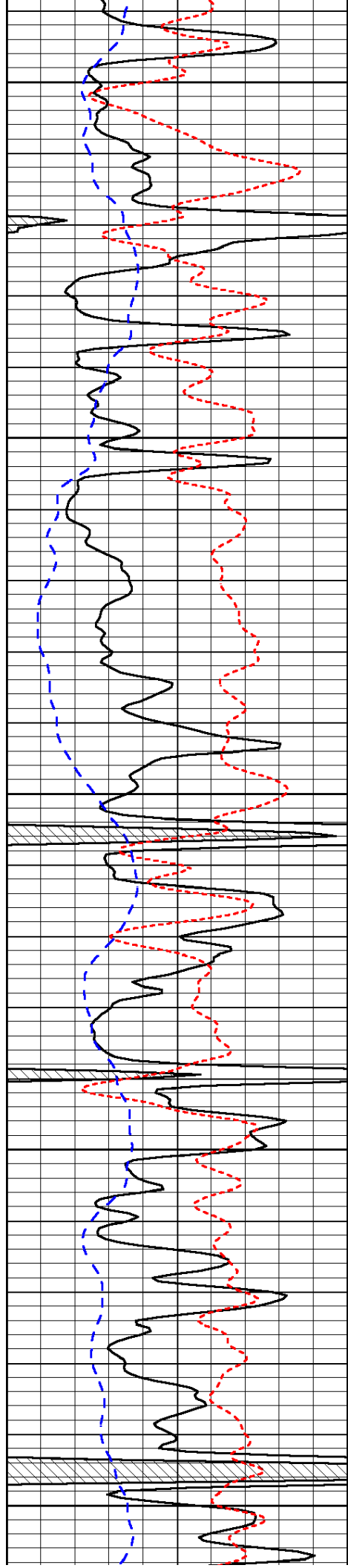


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-33

-33

-33



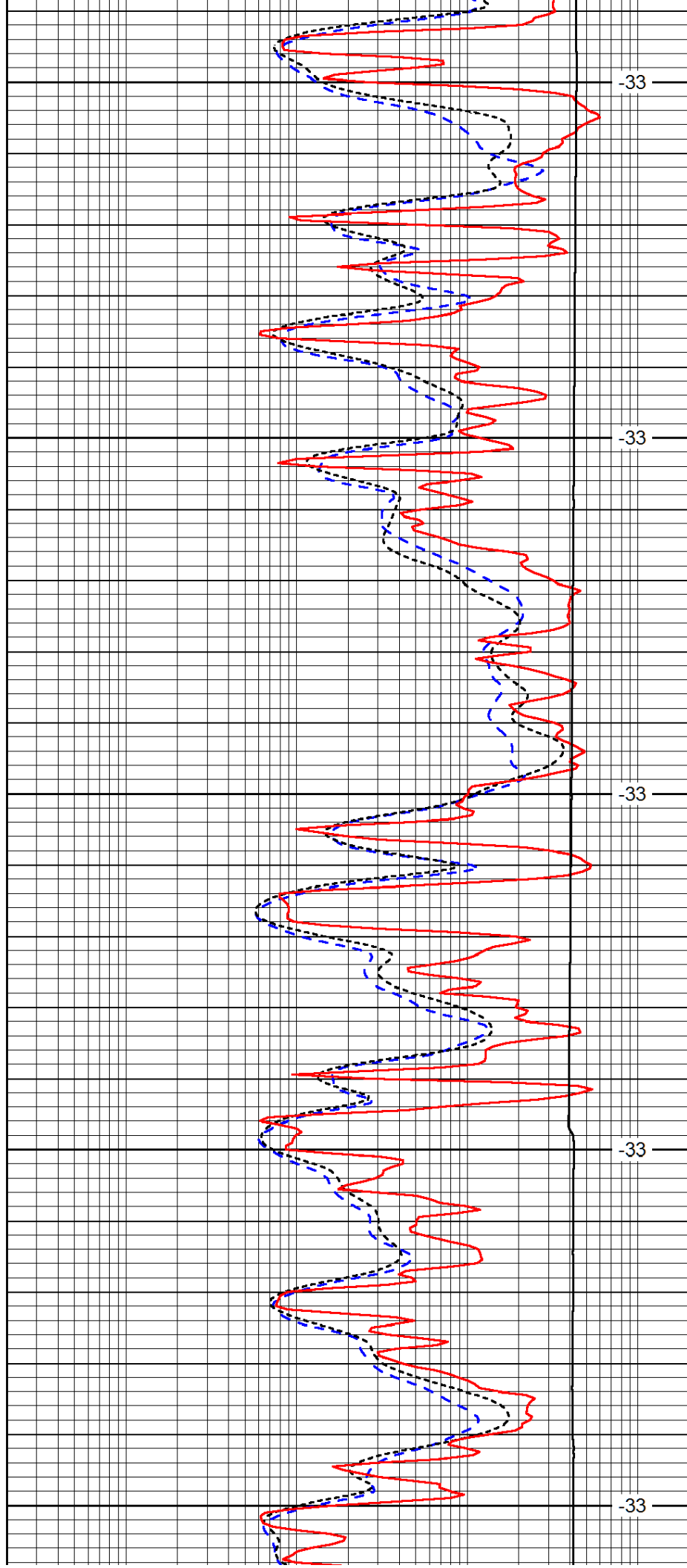
3700

3750

3800

3850

3900



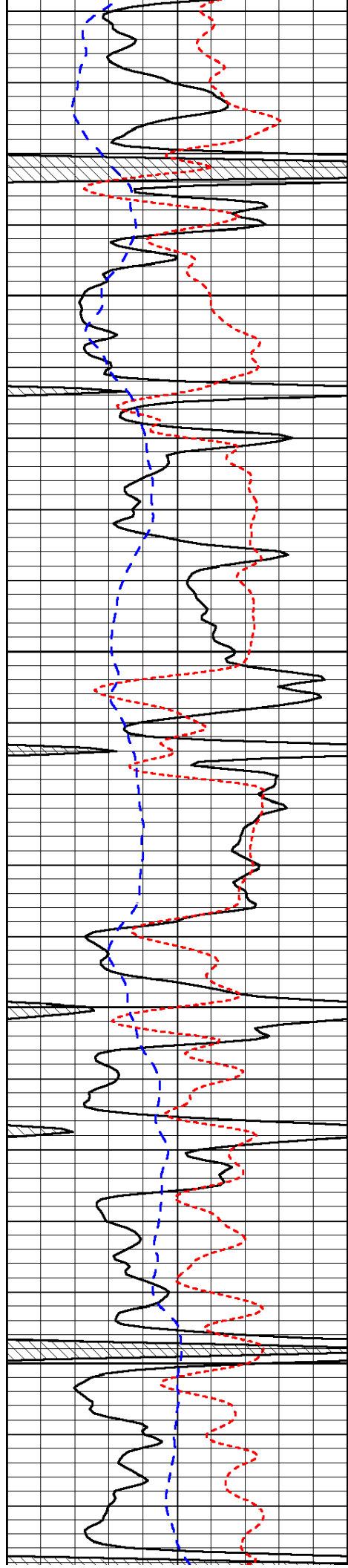
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-33

-33

-33

-33

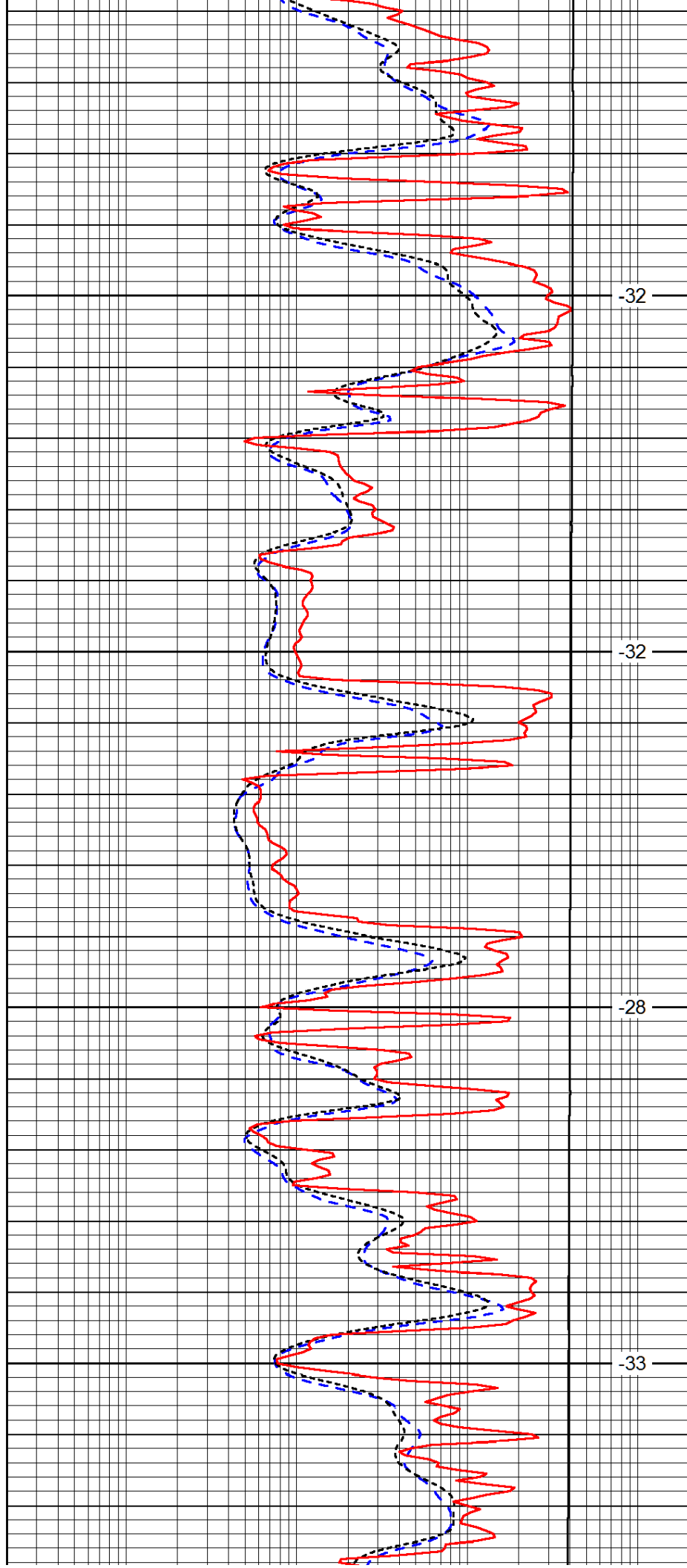


3950

4000

4050

4100

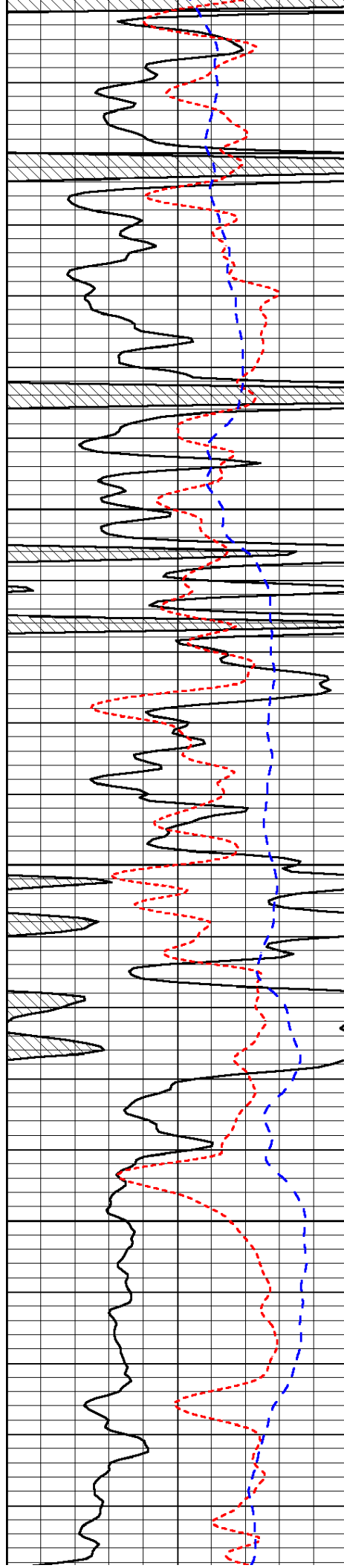


-32

-32

-28

-33

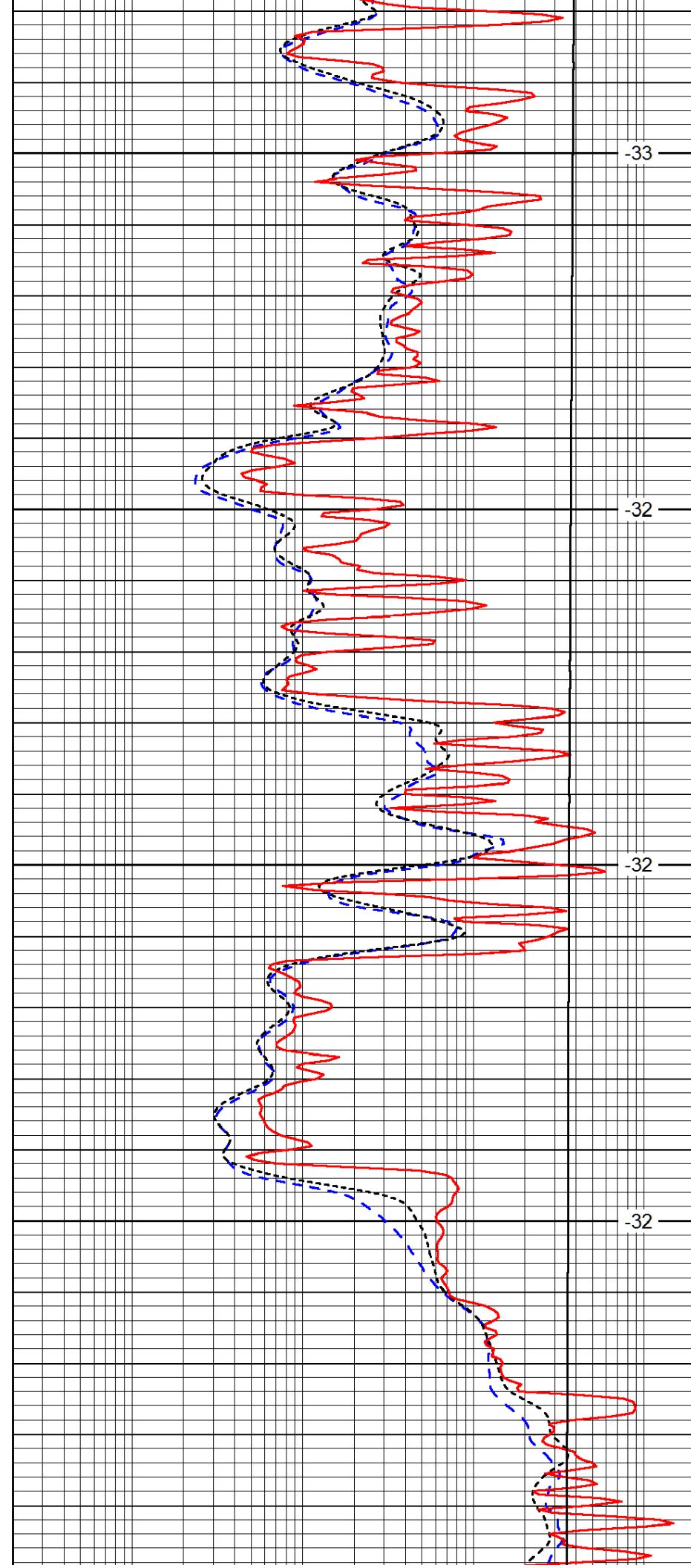


4150

4200

4250

4300

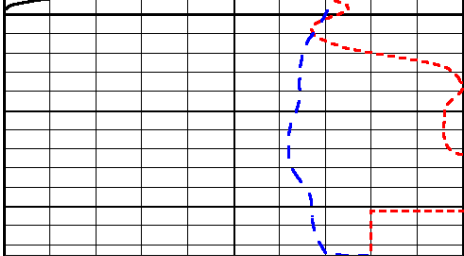


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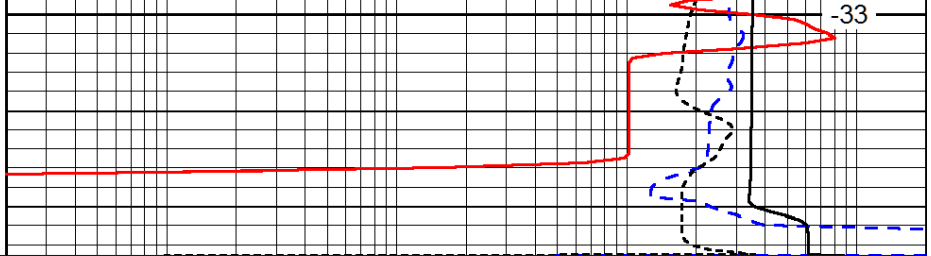
-32

-32



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

4350



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

LSPD