



Pioneer Energy Services

Dual Induction Log

15-007-24201-00-00

Company	R & B Oil & Gas, Inc.
Well	Ricke "B" #1
Field	Wildcat
County	Barber
State	Kansas
Location	SE SW 660' FSL / 1980' FWL
Sec: 33	Twp: 31S Rge: 11W
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
	Elevation 1569
	10 Ft. Above Perm. Datum
	K.B. 1579
	D.F. 1569
	G.L. 1569

Date	8/29/2014
Run Number	One
Depth Driller	4470
Depth Logger	4472
Bottom Logged Interval	4471
Top Log Interval	200
Casing Driller	8.625 @ 252
Casing Logger	248
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4500
Density / Viscosity	9.0 70
pH / Fluid Loss	10.0 9.6
Source of Sample	Flowline
Rm @ Meas. Temp	0.26 @ 82
Rmf @ Meas. Temp	0.20 @ 82
Rmc @ Meas. Temp	0.35 @ 82
Source of Rmf / Rmc	Charts
Rm @ BHT	0.18 @ 121
Operating Rig Time	3 Hours
Max Rec. Temp. F	121
Equipment Number	108
Location	Hays
Recorded By	R. Barnhart
Witnessed By	Tim Pierce

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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 Log-Tech, Inc.
 (785) 625-3858

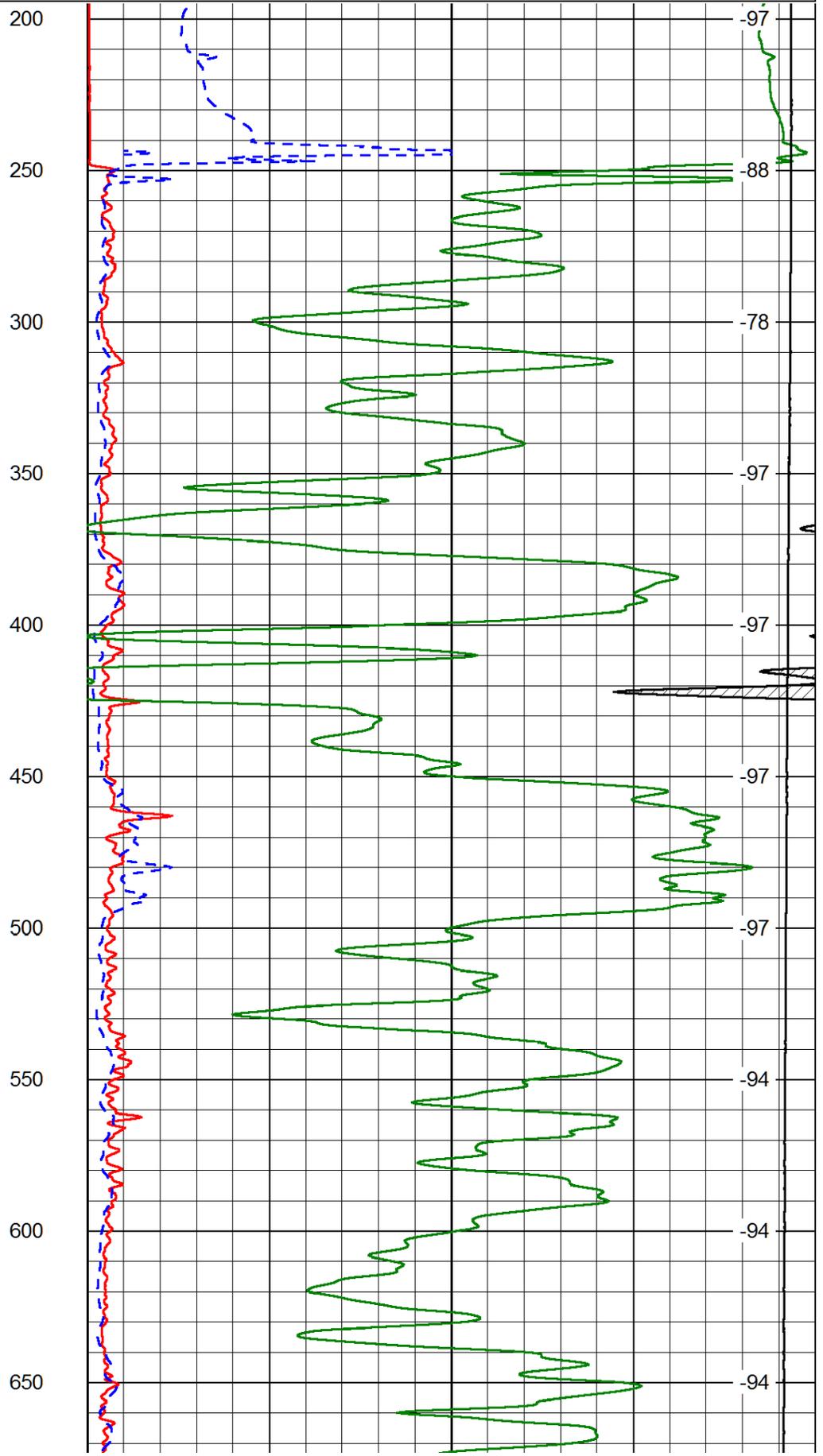
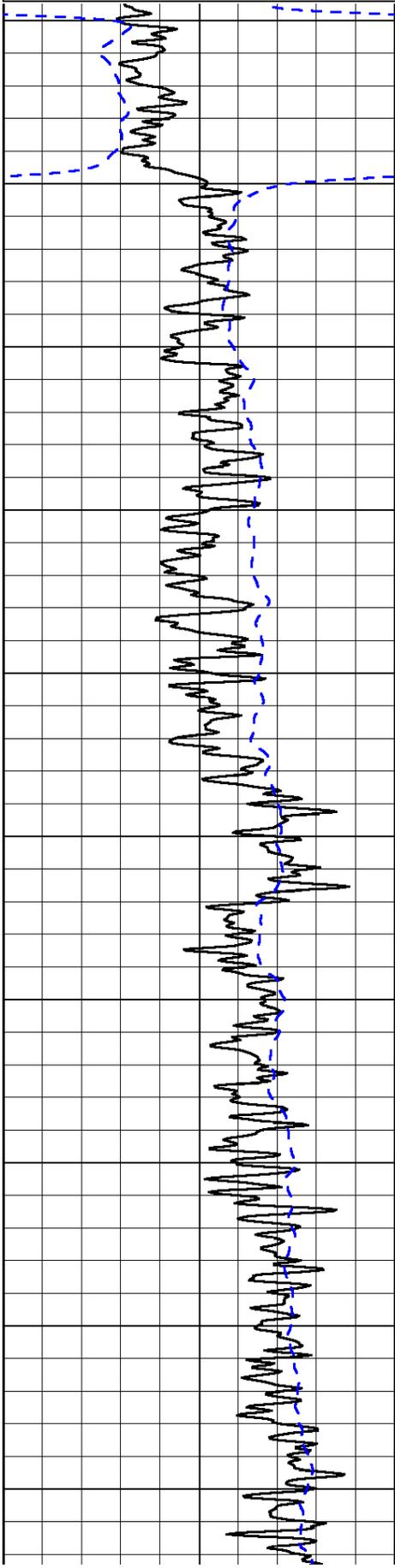
Medicine Lodge, KS:
 1E to Isabel Blktop, 1N, 1 1/2E, N into

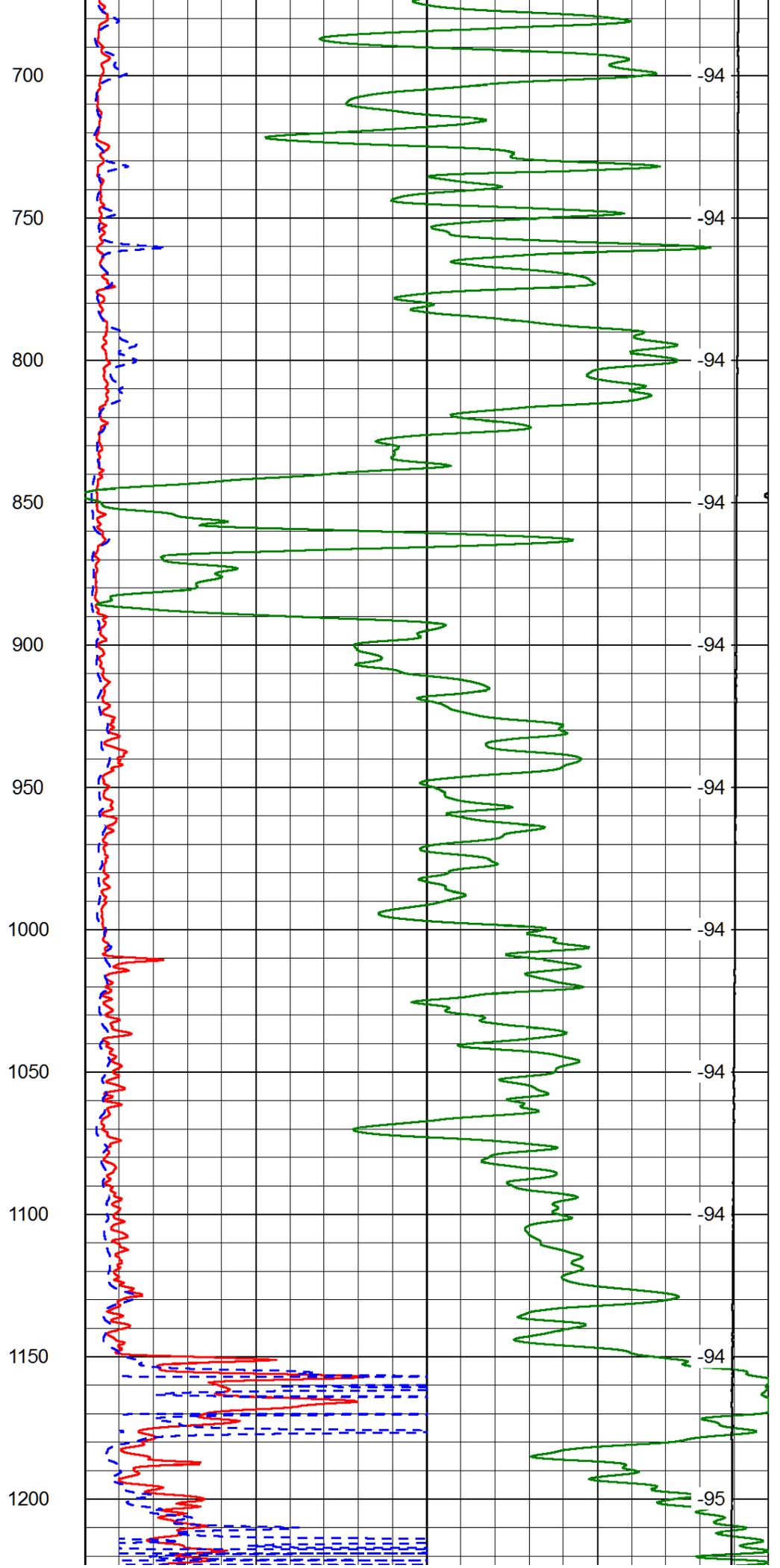
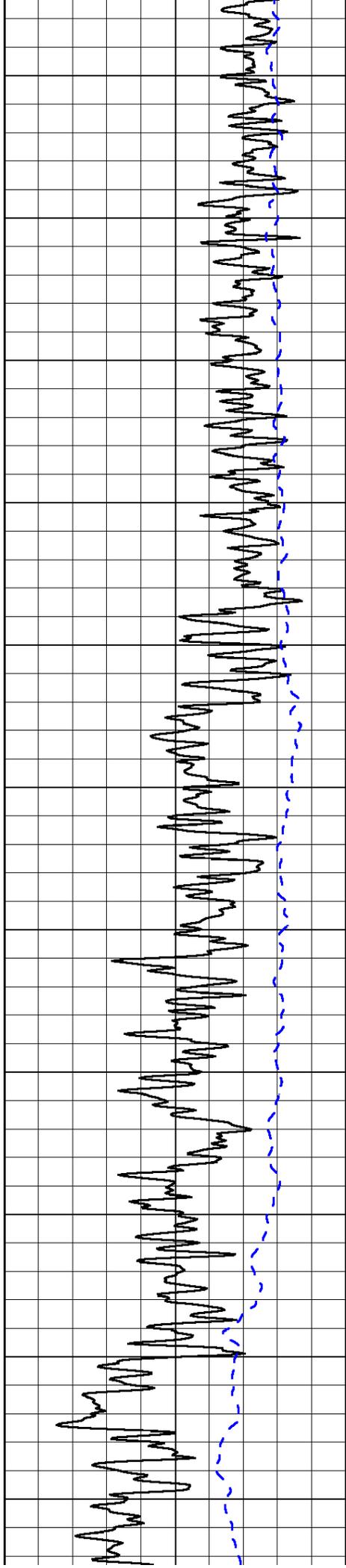
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 Charted by: Depth in Feet scaled 1:600

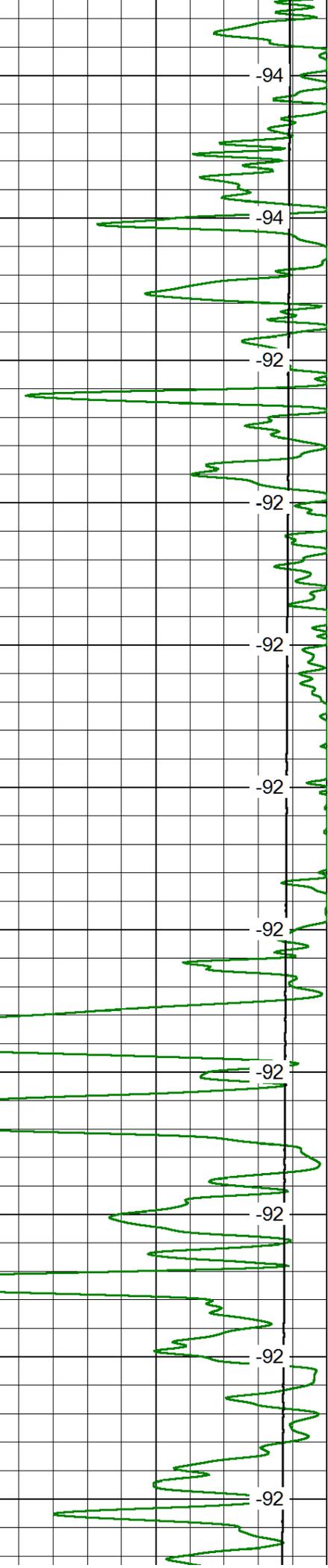
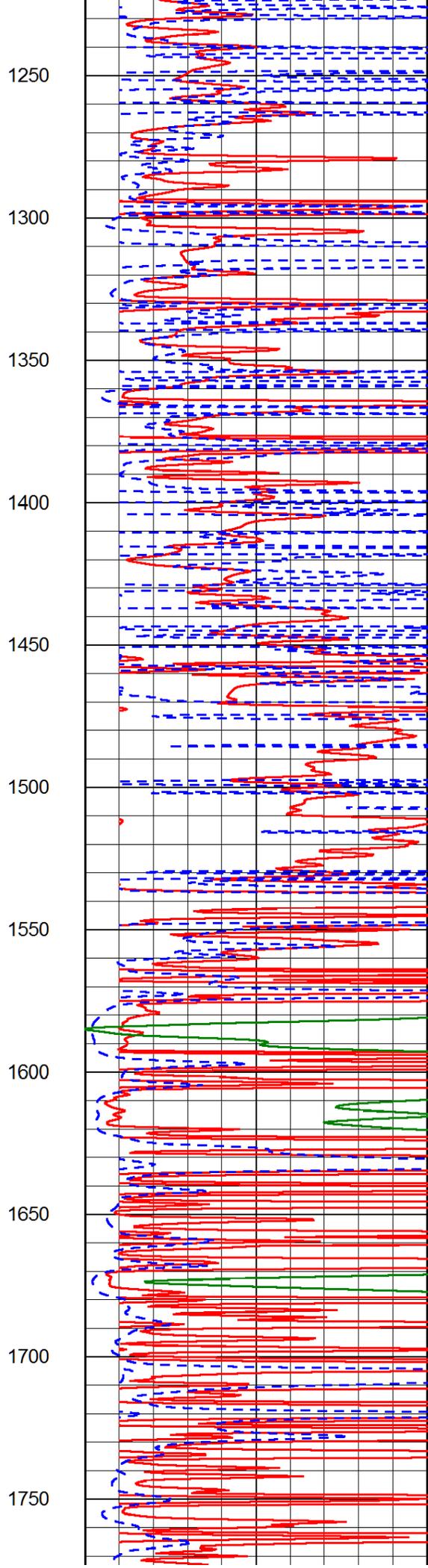
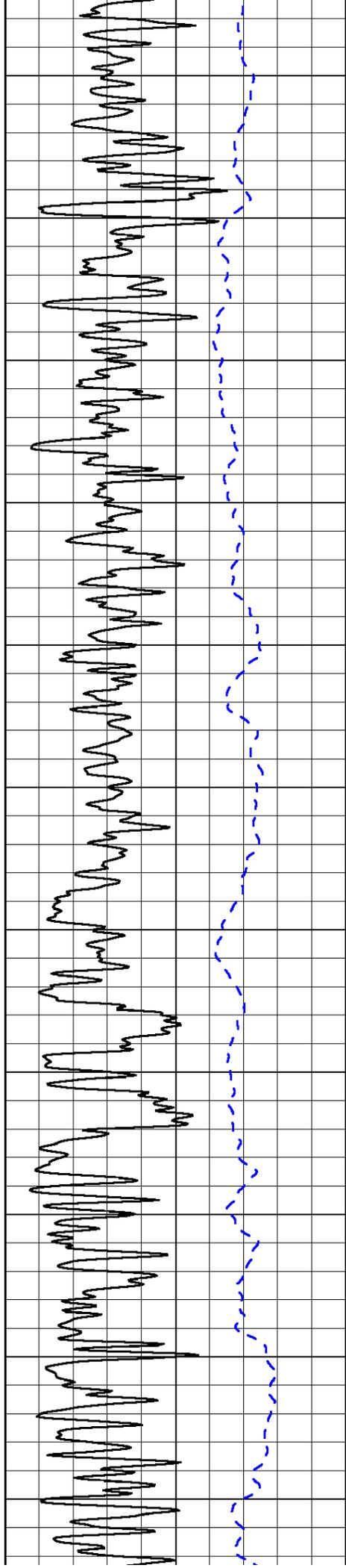
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-200	SP (mV)	0

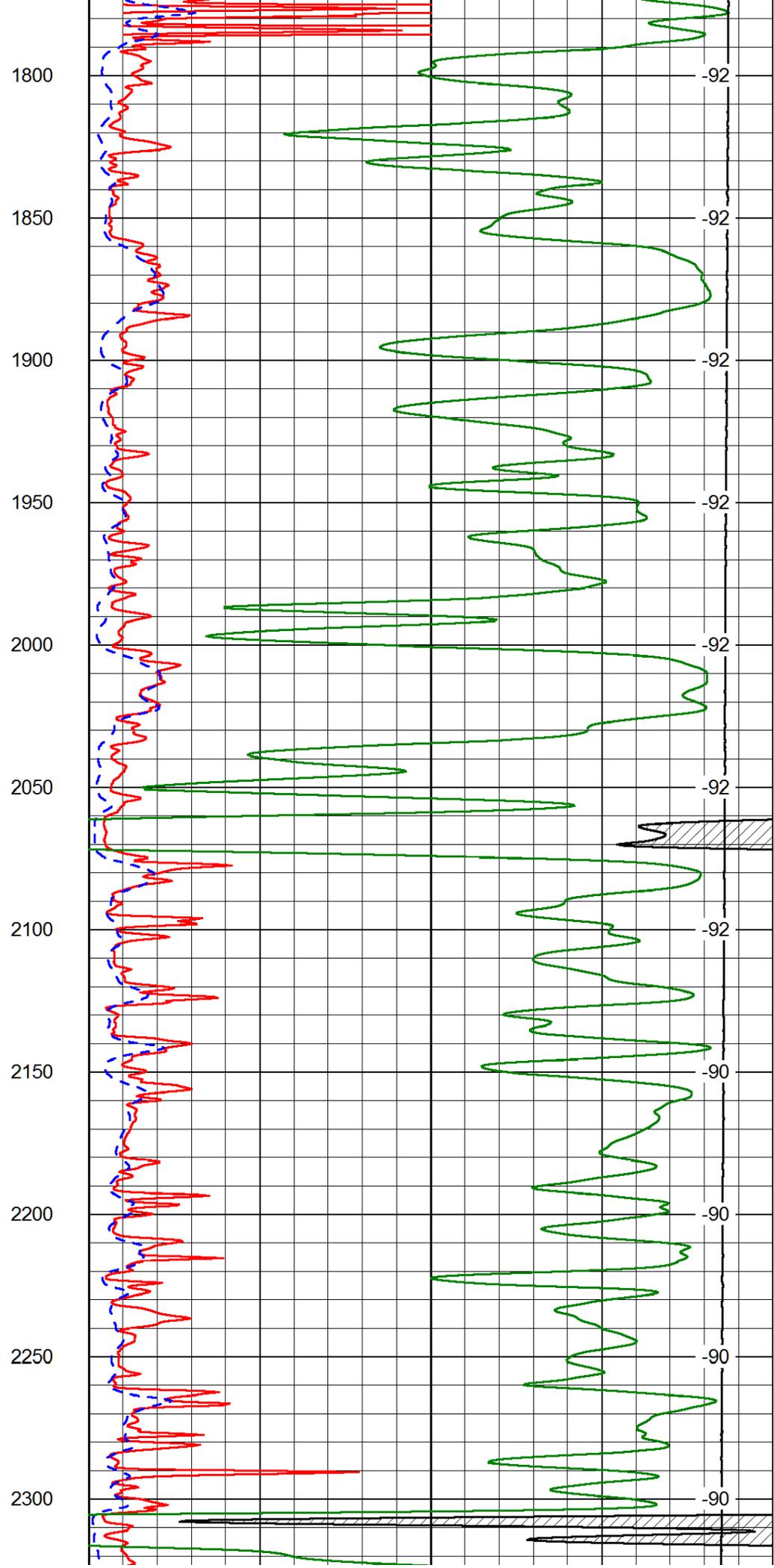
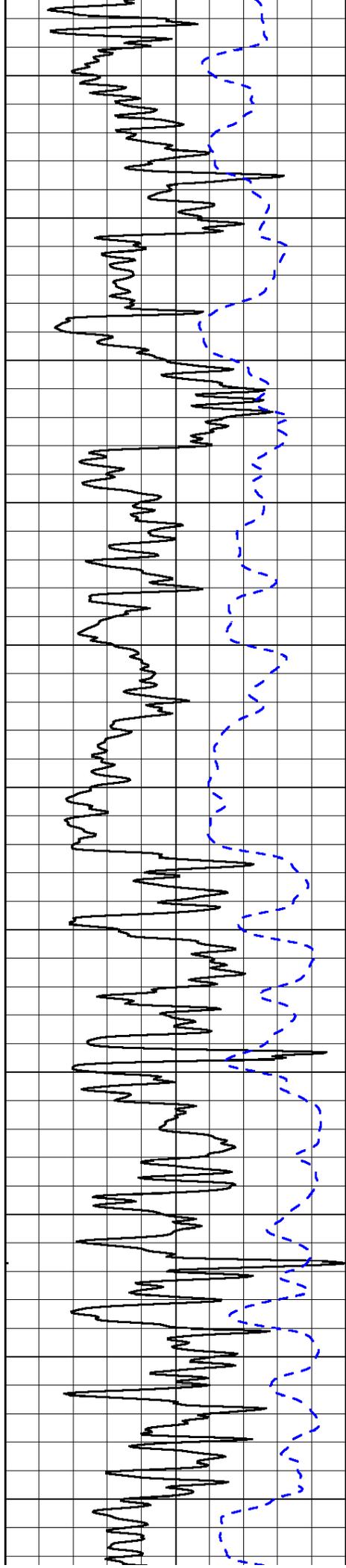
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

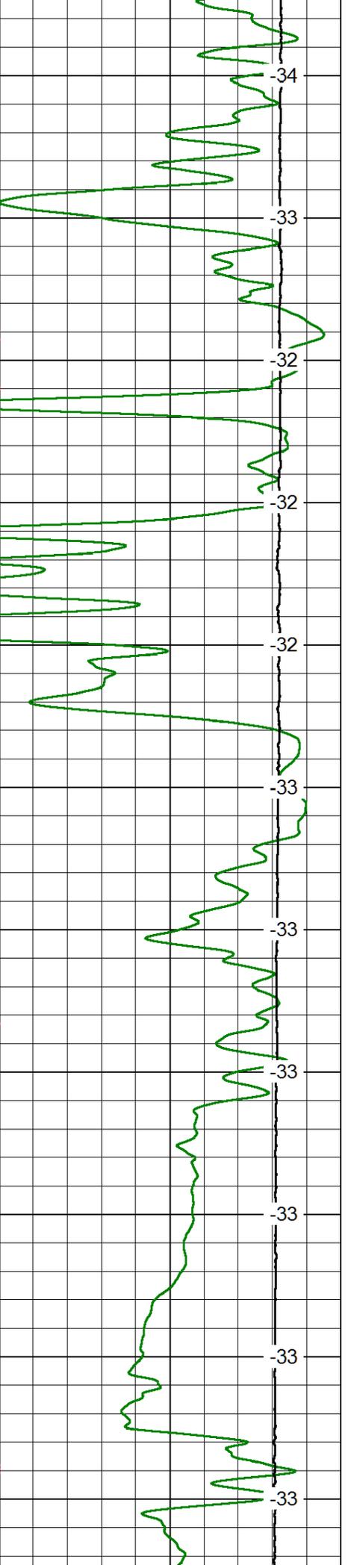
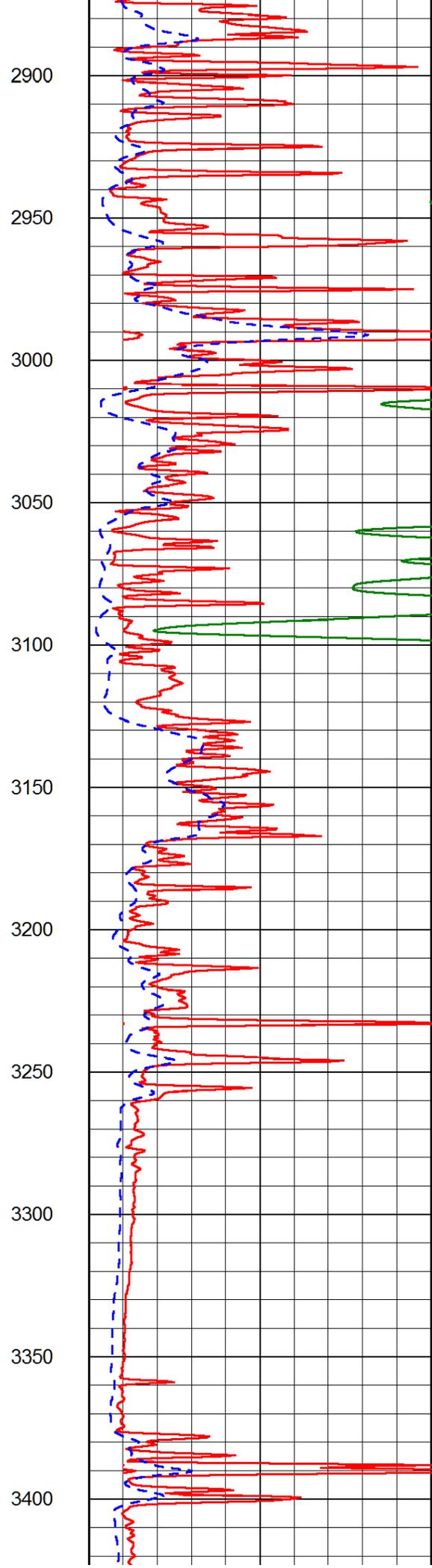
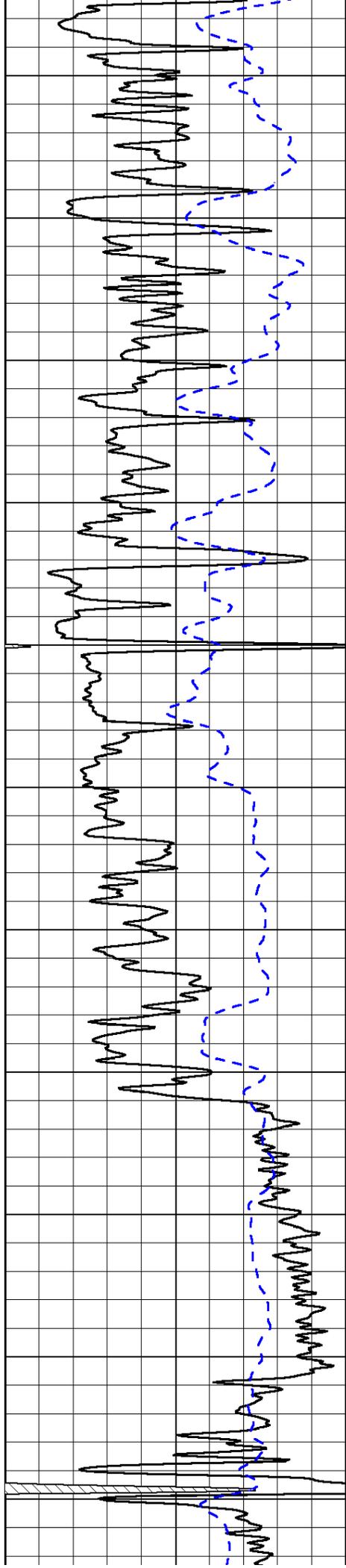
LSPD	0
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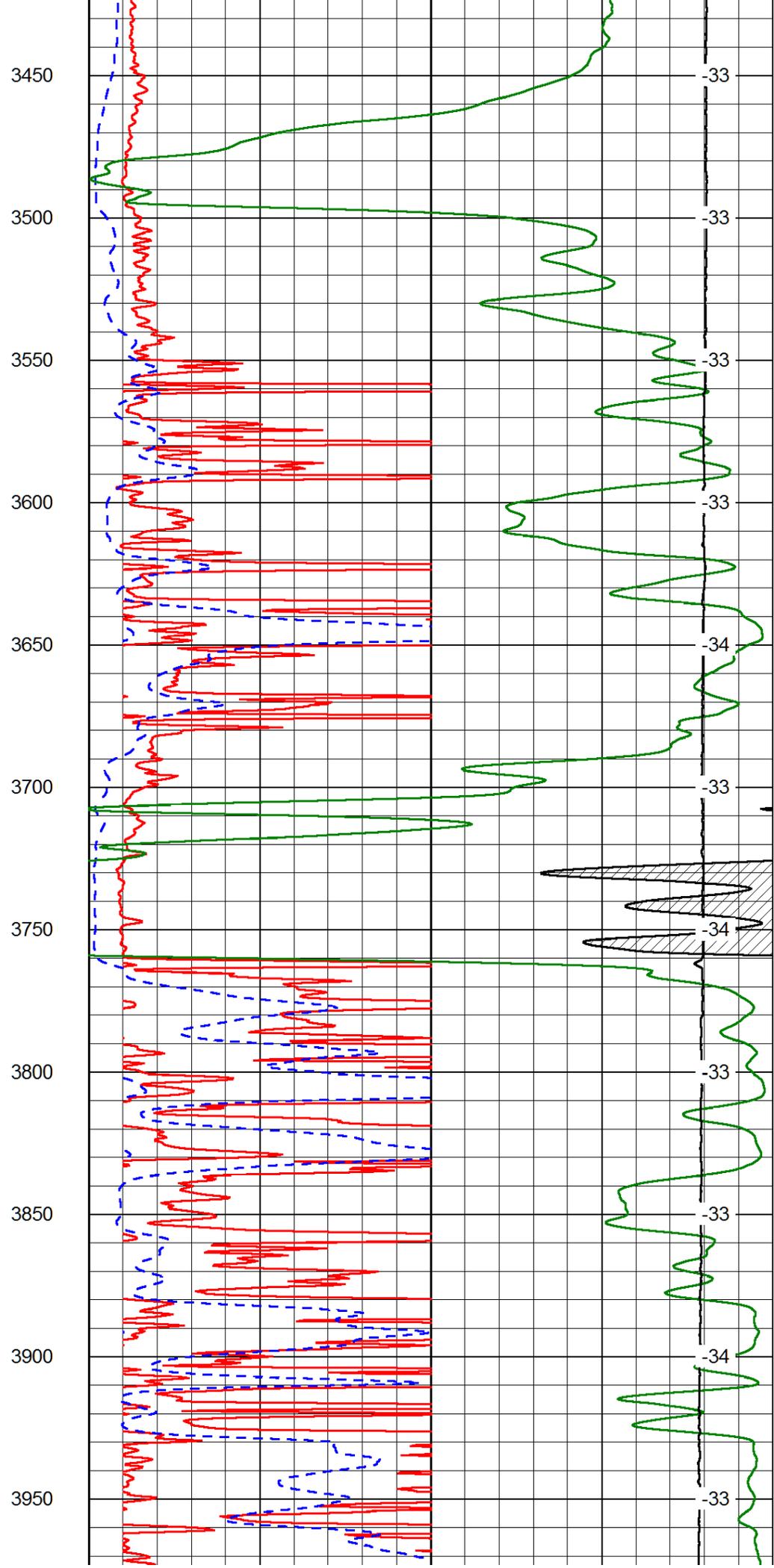
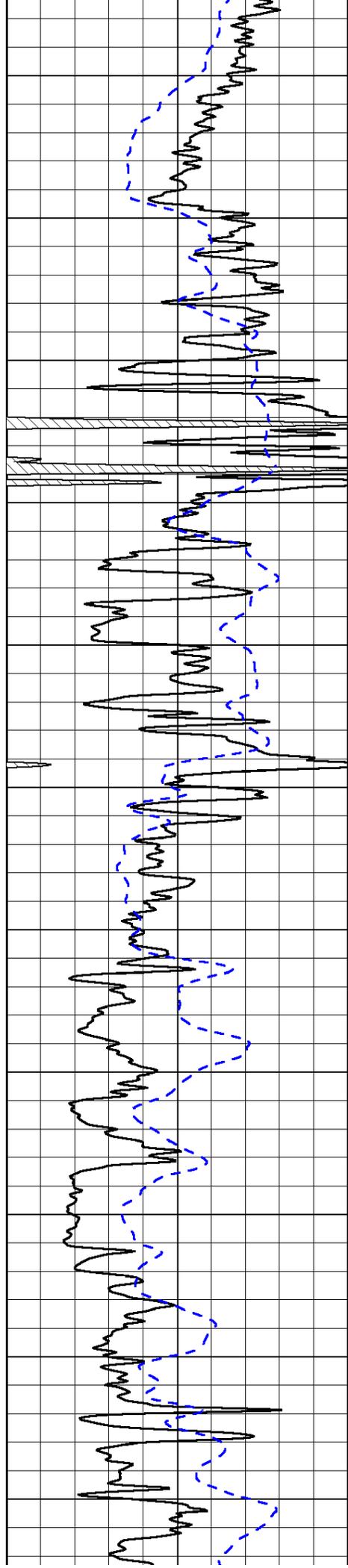


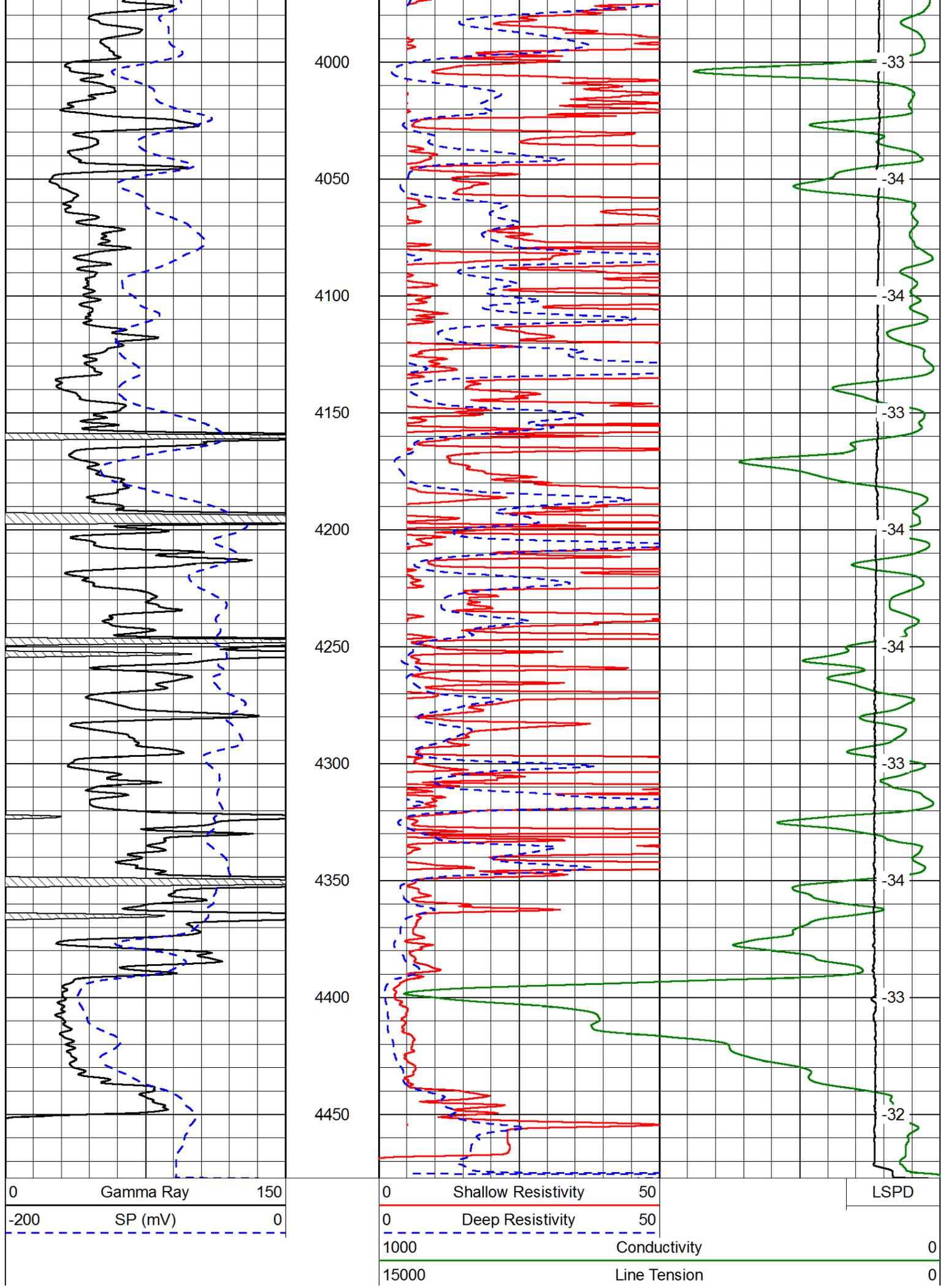












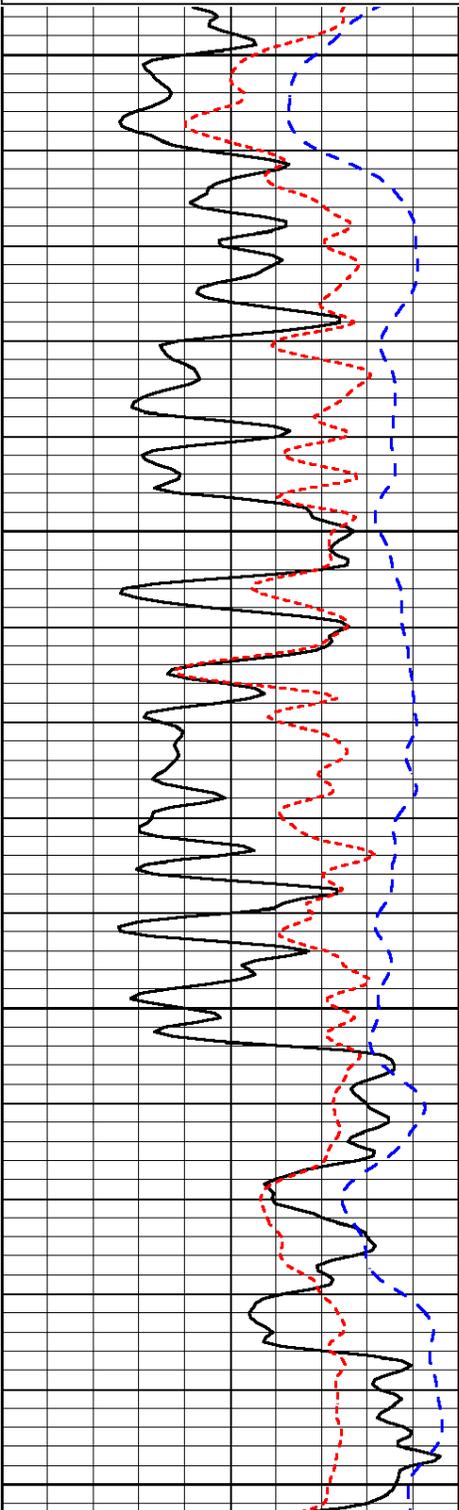
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50	Deep Resistivity	500

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0	Gamma Ray	150
-160	RXO/RT	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

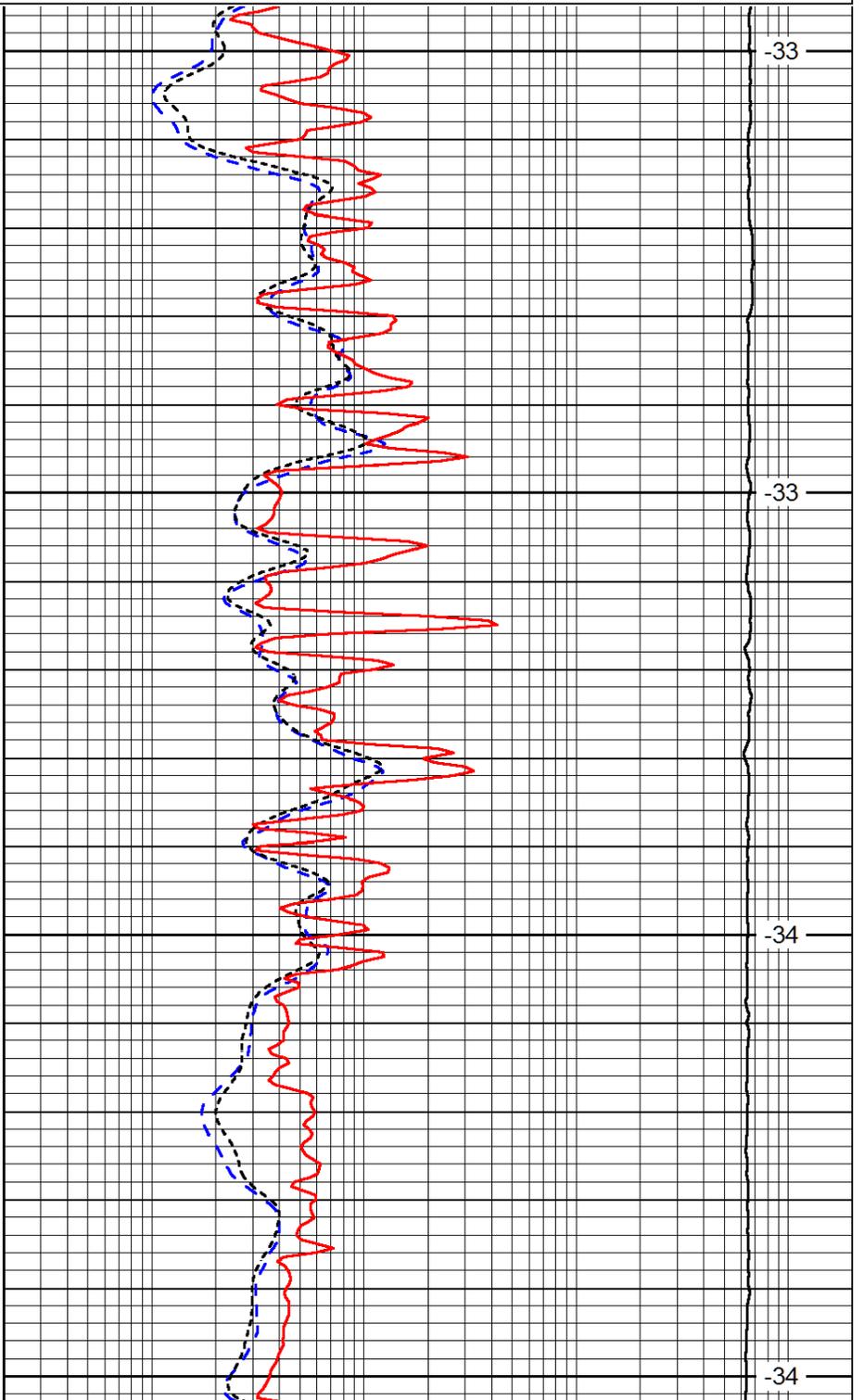


2500

2550

2600

2650

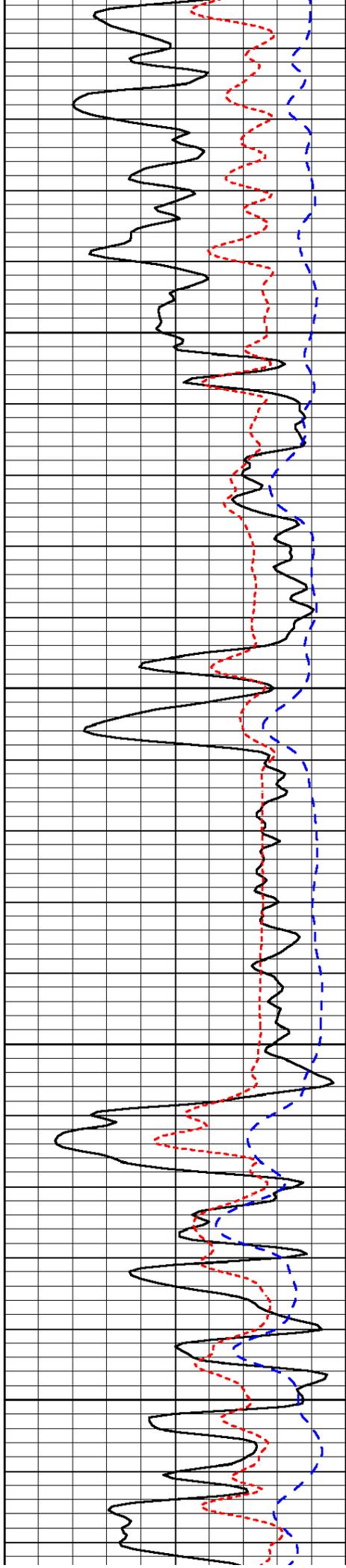


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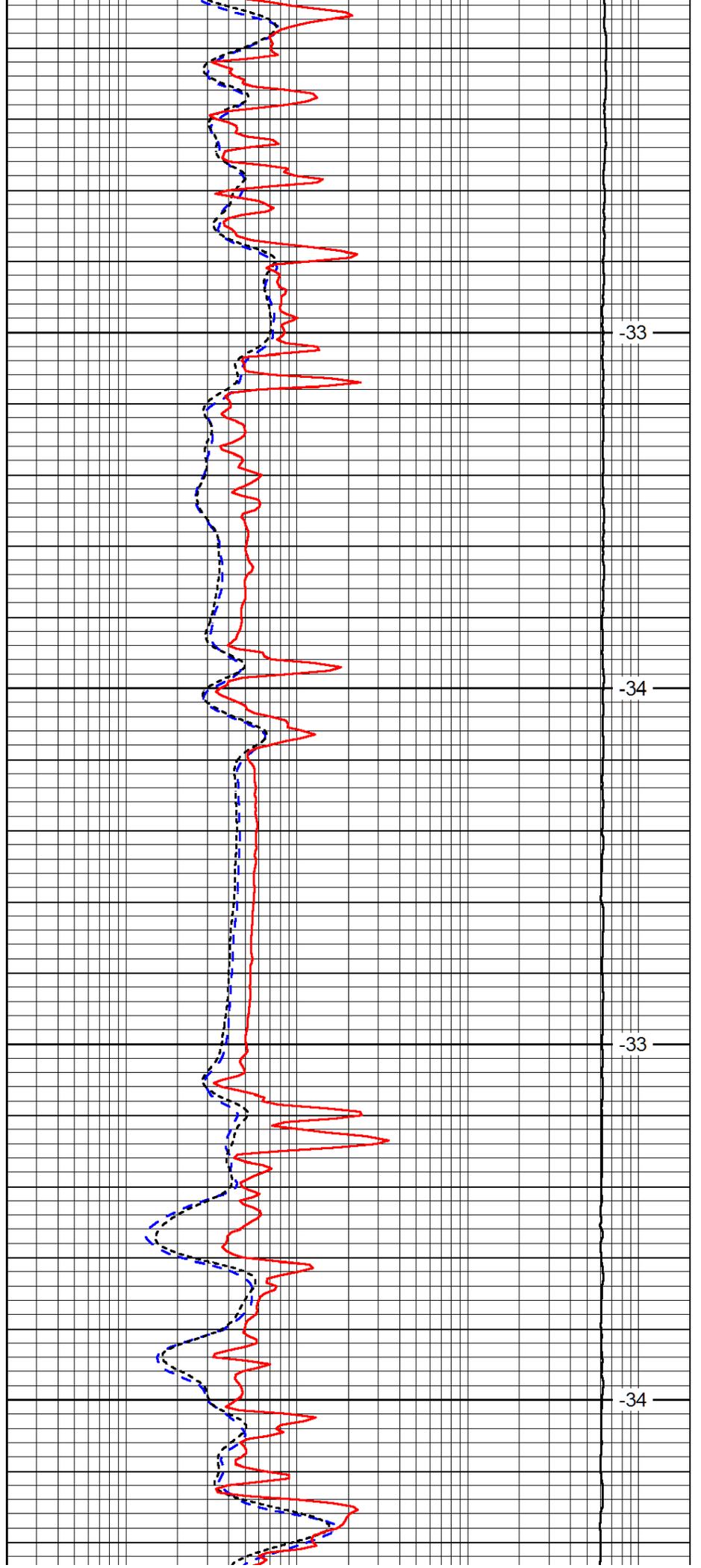


2700

2750

2800

2850

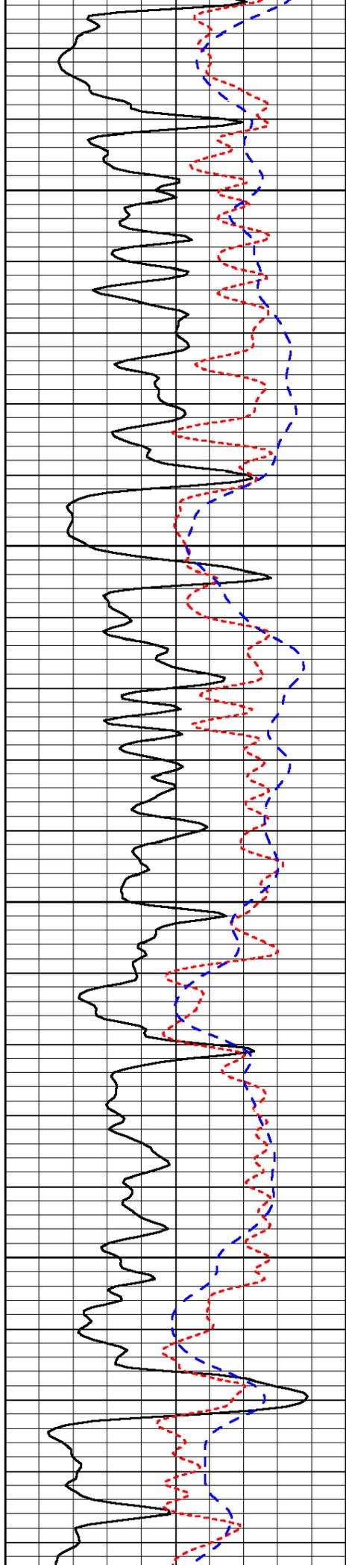


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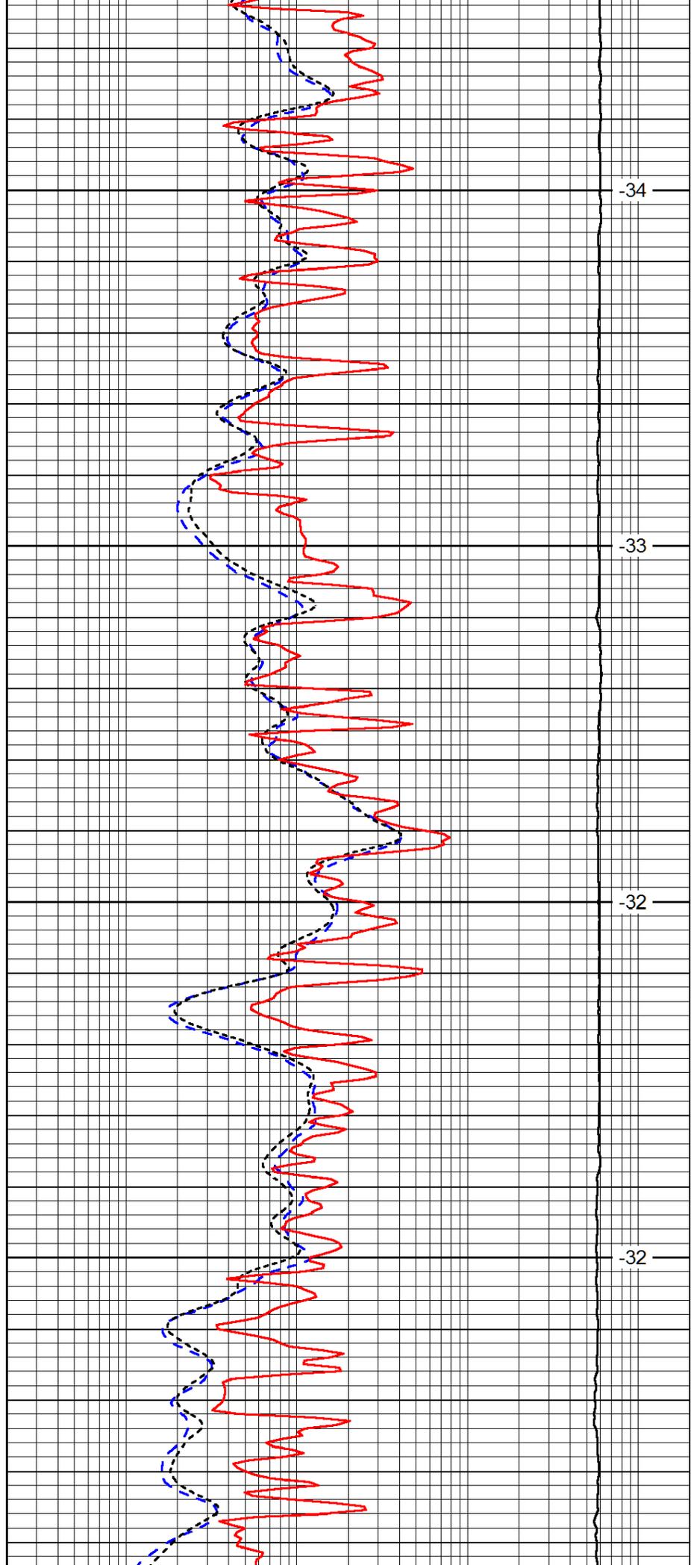


2900

2950

3000

3050

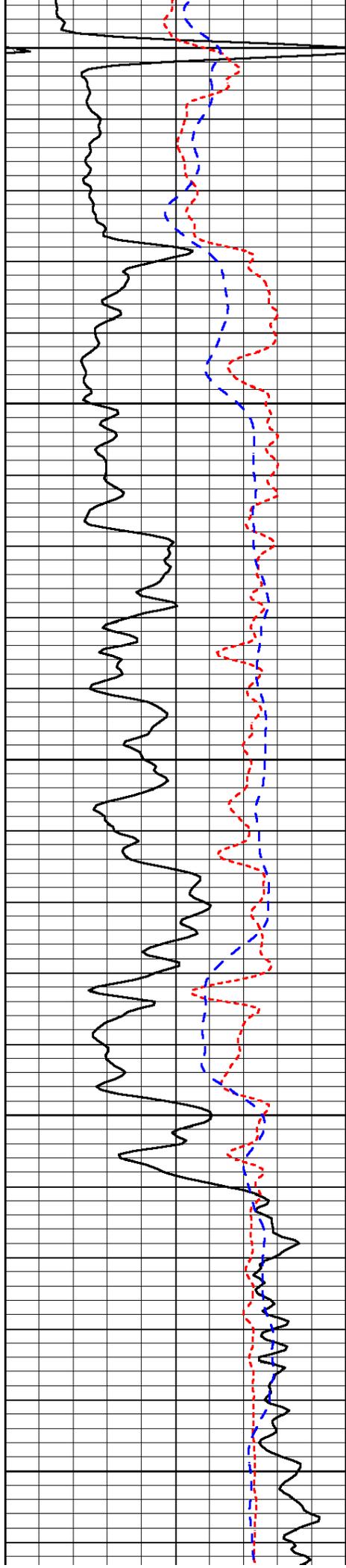


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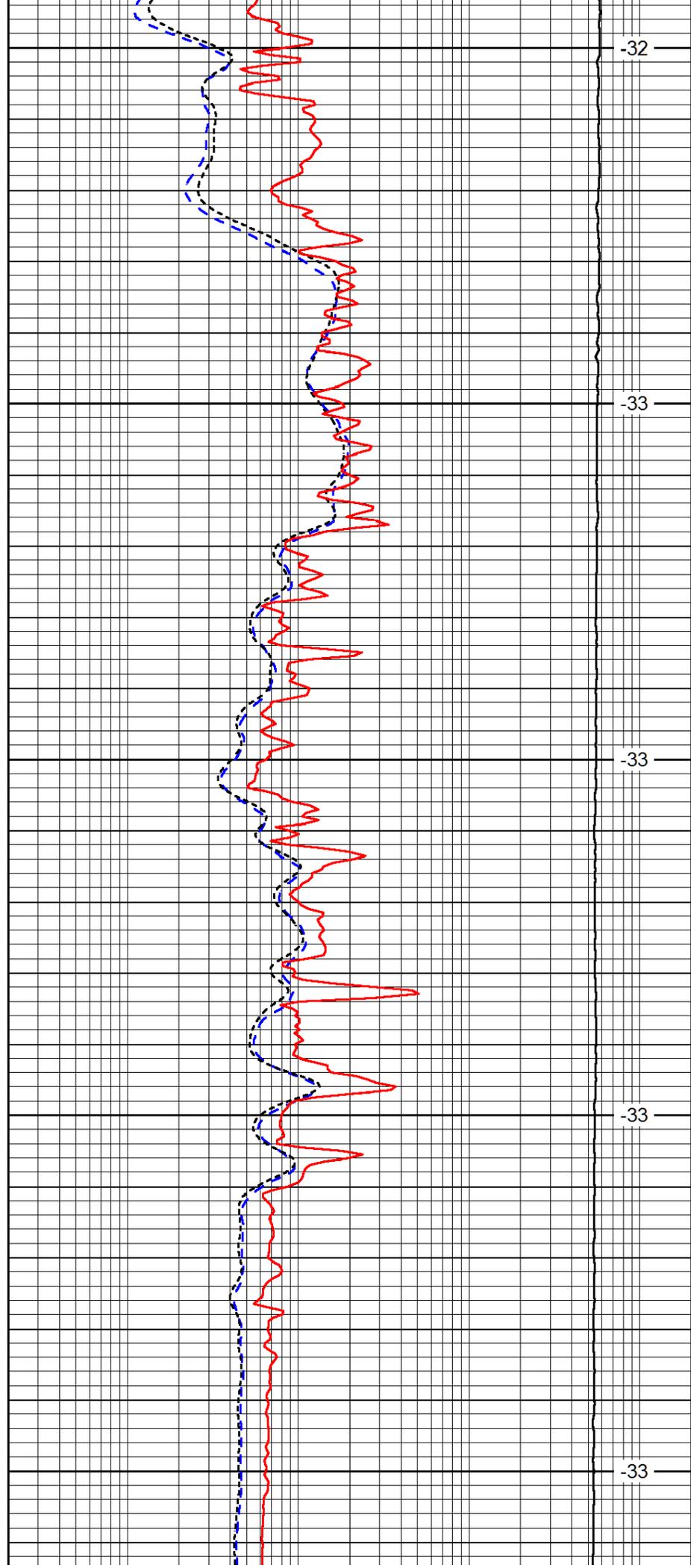
3100

3150

3200

3250

3300



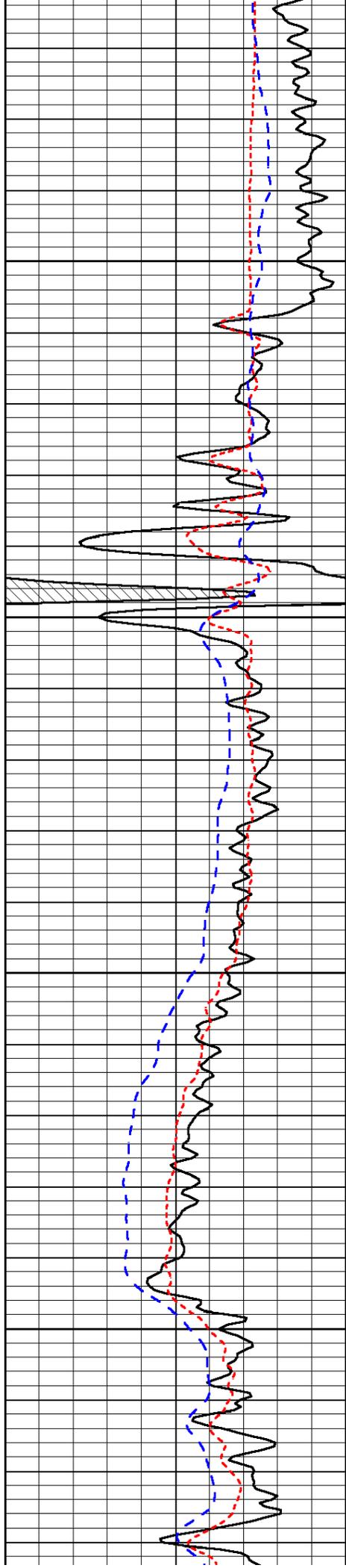
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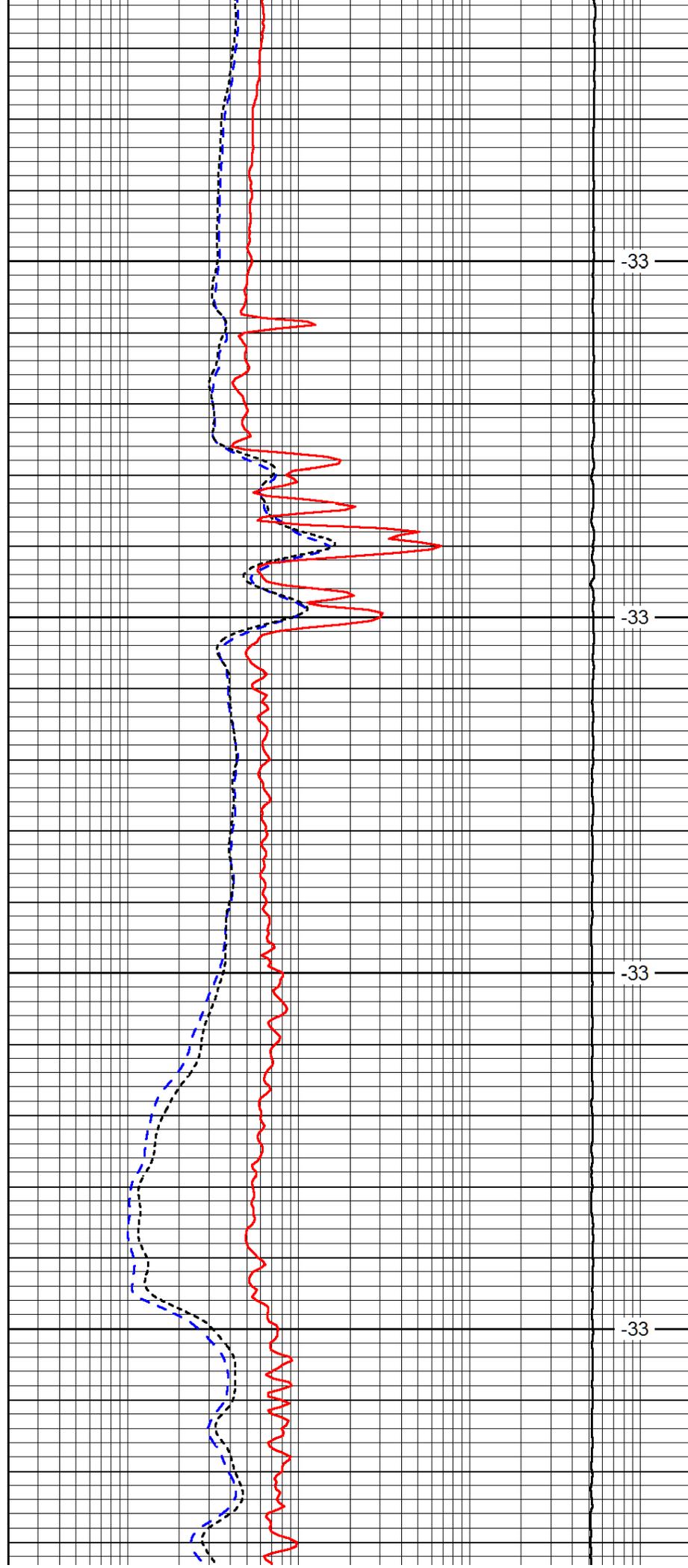


3350

3400

3450

3500

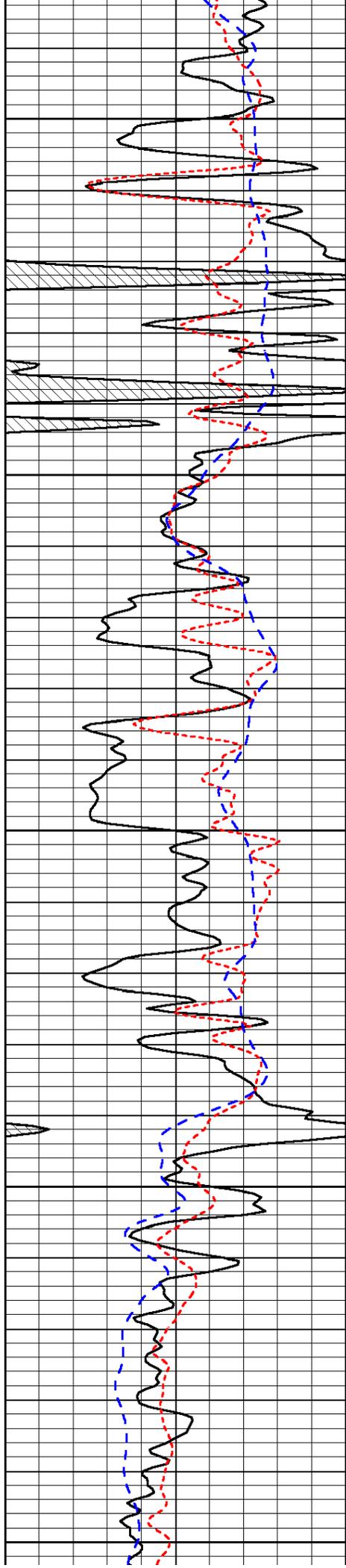


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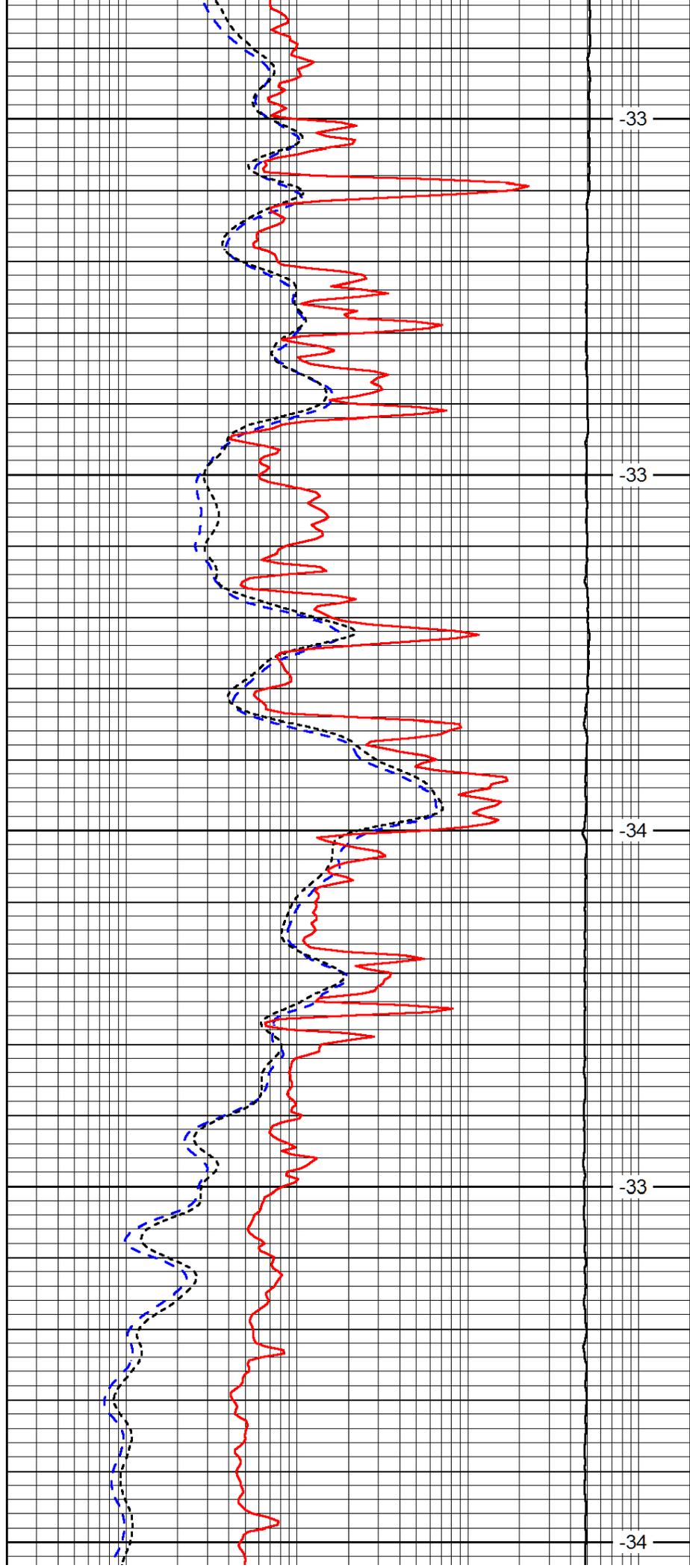
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3600

3650

3700

3750



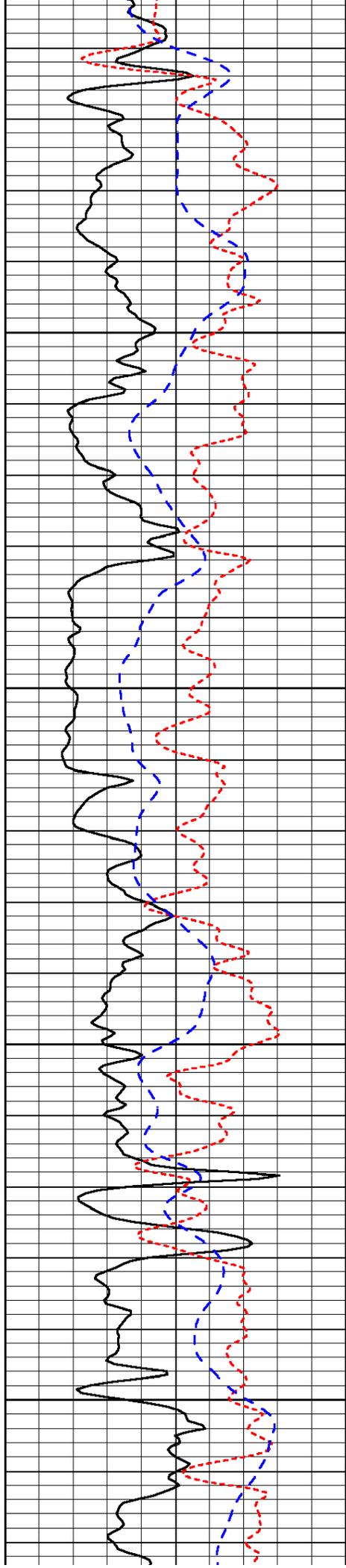
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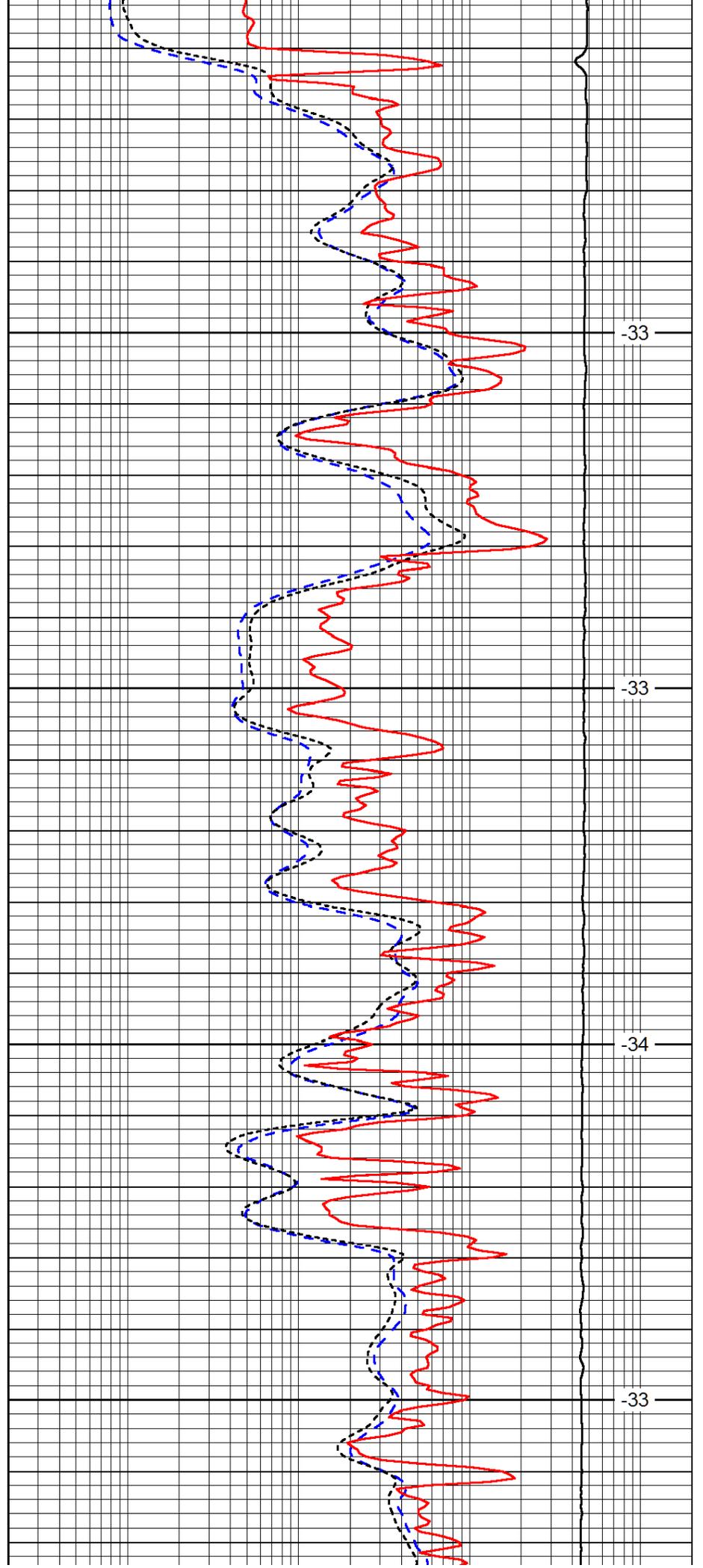


3800

3850

3900

3950

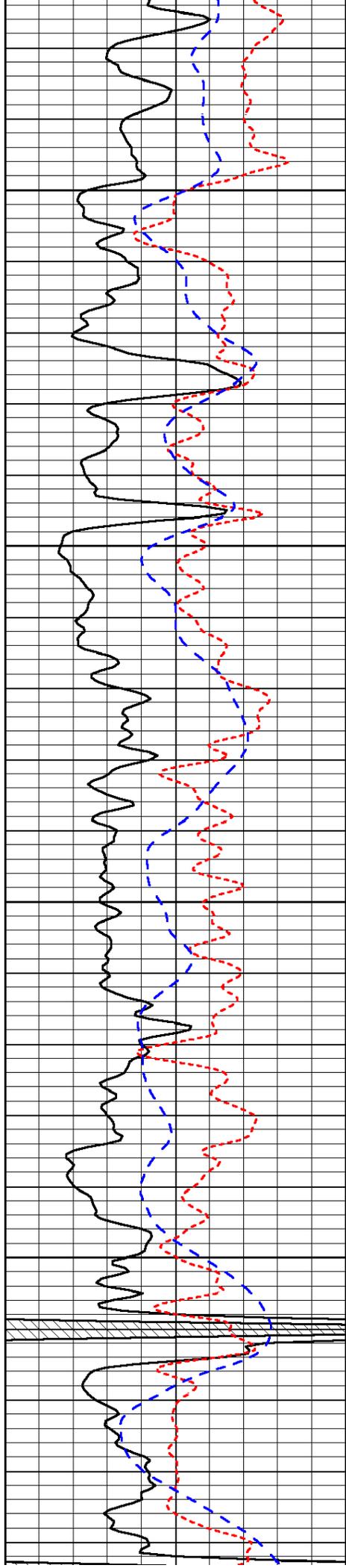


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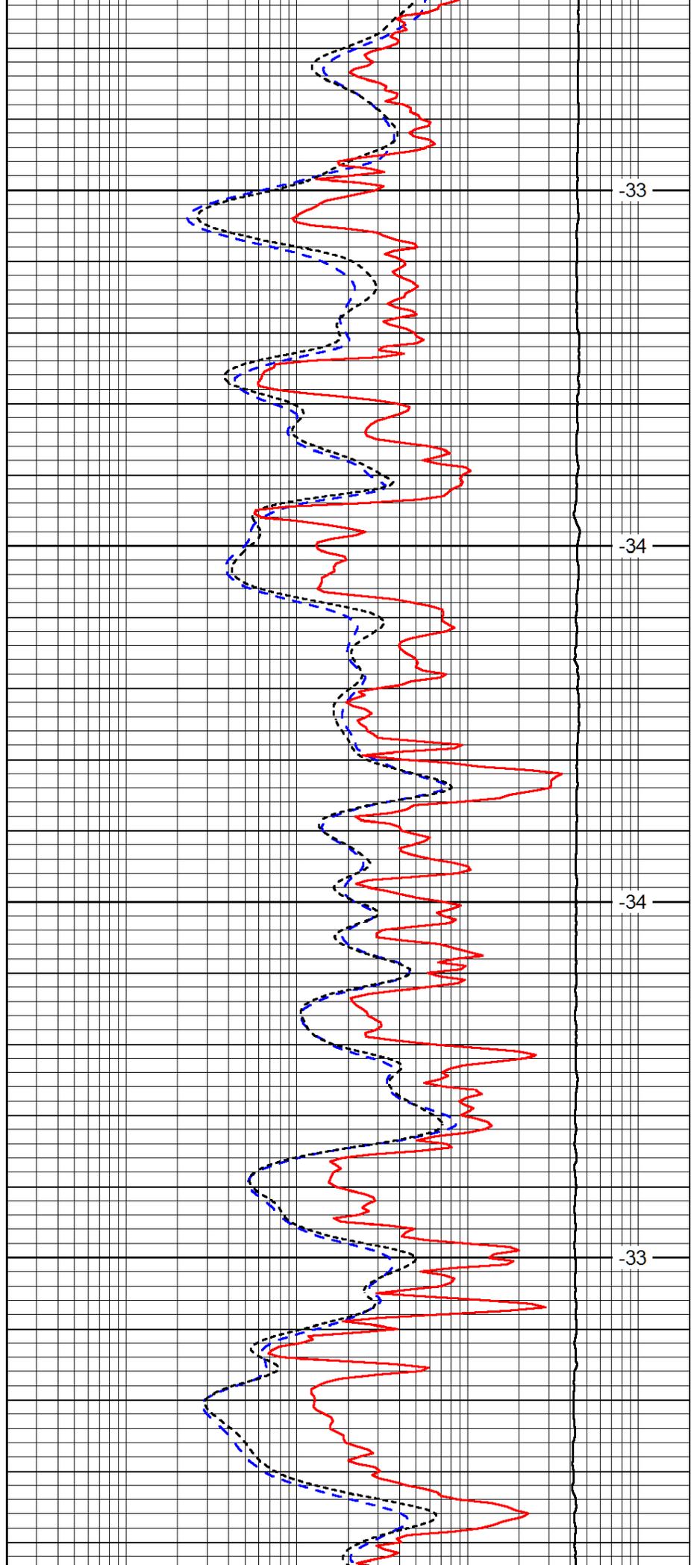


4000

4050

4100

4150

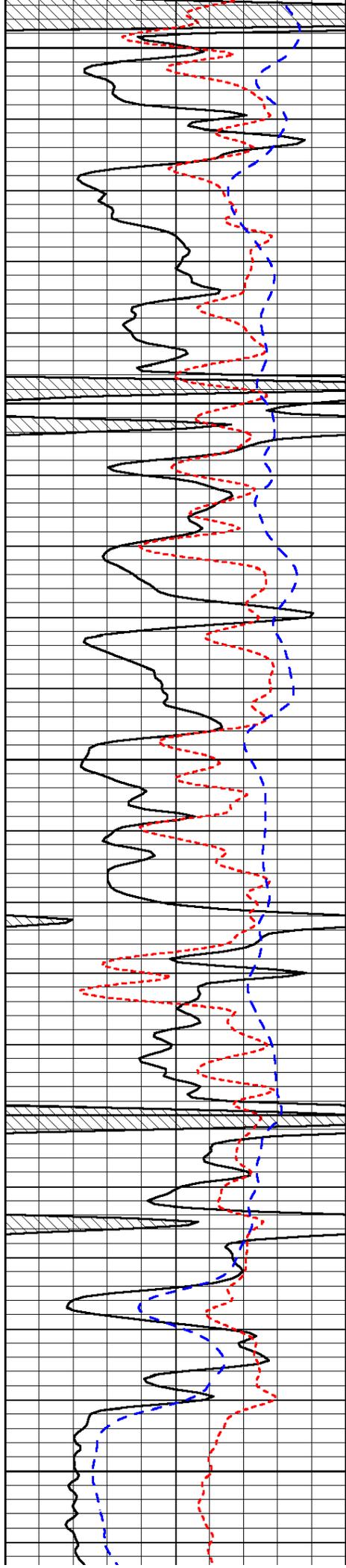


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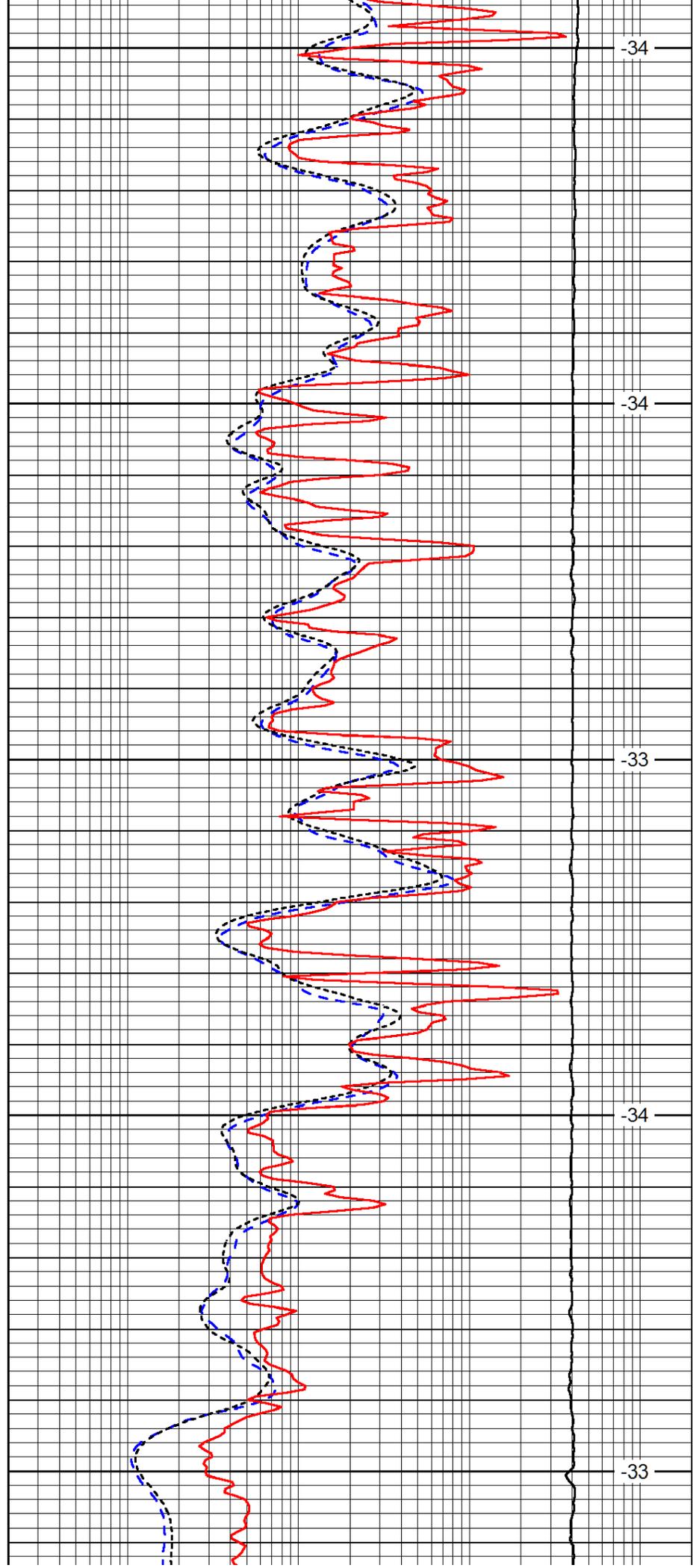
4200

4250

4300

4350

4400



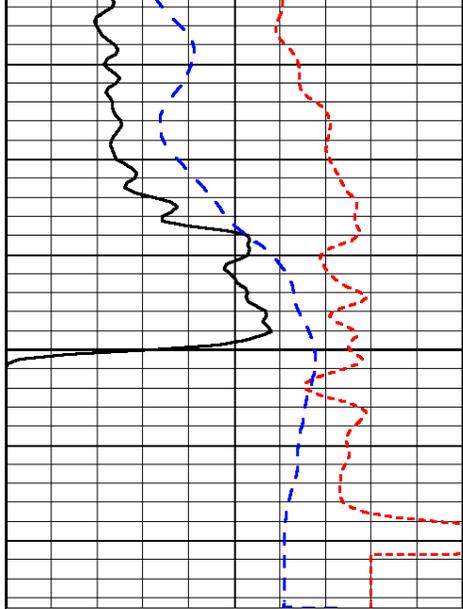
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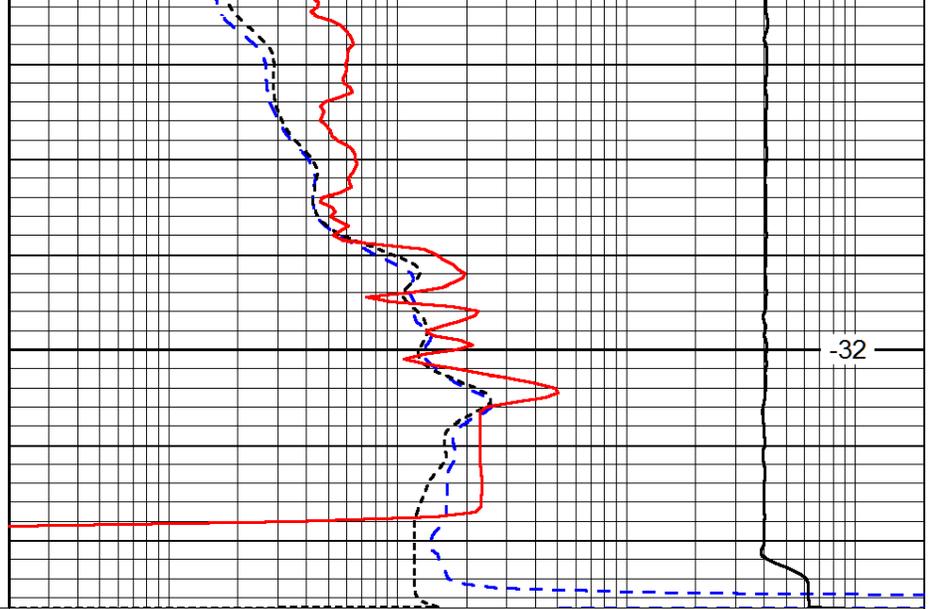
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4450

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-160	RXO/RT	40
-200	SP (mV)	0



-32

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

LSPD