



Pioneer Energy Services

Dual Induction Log

15-151-22427-00-00

API No.

Company **Rama Operating Company, Inc.**

Well **Greenback # 1-27**

Field **Chance**

County **Pratt** State

Kansas

Location **330' FSL & 2310' FWL**

Other Services
CNL/CDL
MEL/BHCS

Sec: **27** Twp: **26 S** Rge: **13 W**

Permanent Datum **Ground Level** Elevation **1944**

Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum

Elevation
K.B. 1957
D.F. 1944
G.L. 1944

Date	11/27/2013	
Run Number	One	
Depth Driller	4430	
Depth Logger	4428	
Bottom Logged Interval	4427	
Top Log Interval	250	
Casing Driller	13.375 @ 275	
Casing Logger	274	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5000	
Density / Viscosity	9.4 66	
pH / Fluid Loss	9.5 8.0	
Source of Sample	Flowline	
Rm @ Meas. Temp	0.49 @ 40	
Rmf @ Meas. Temp	0.36 @ 40	
Rmc @ Meas. Temp	0.66 @ 40	
Source of Rmf / Rmc	Charts	
Rm @ BHT	0.16 @ 122	
Operating Rig Time	6 Hours	
Max Rec. Temp. F	122	
Equipment Number	91	
Location	Hays	
Recorded By	Y. Ruiz	
Witnessed By	Josh Austin	

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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

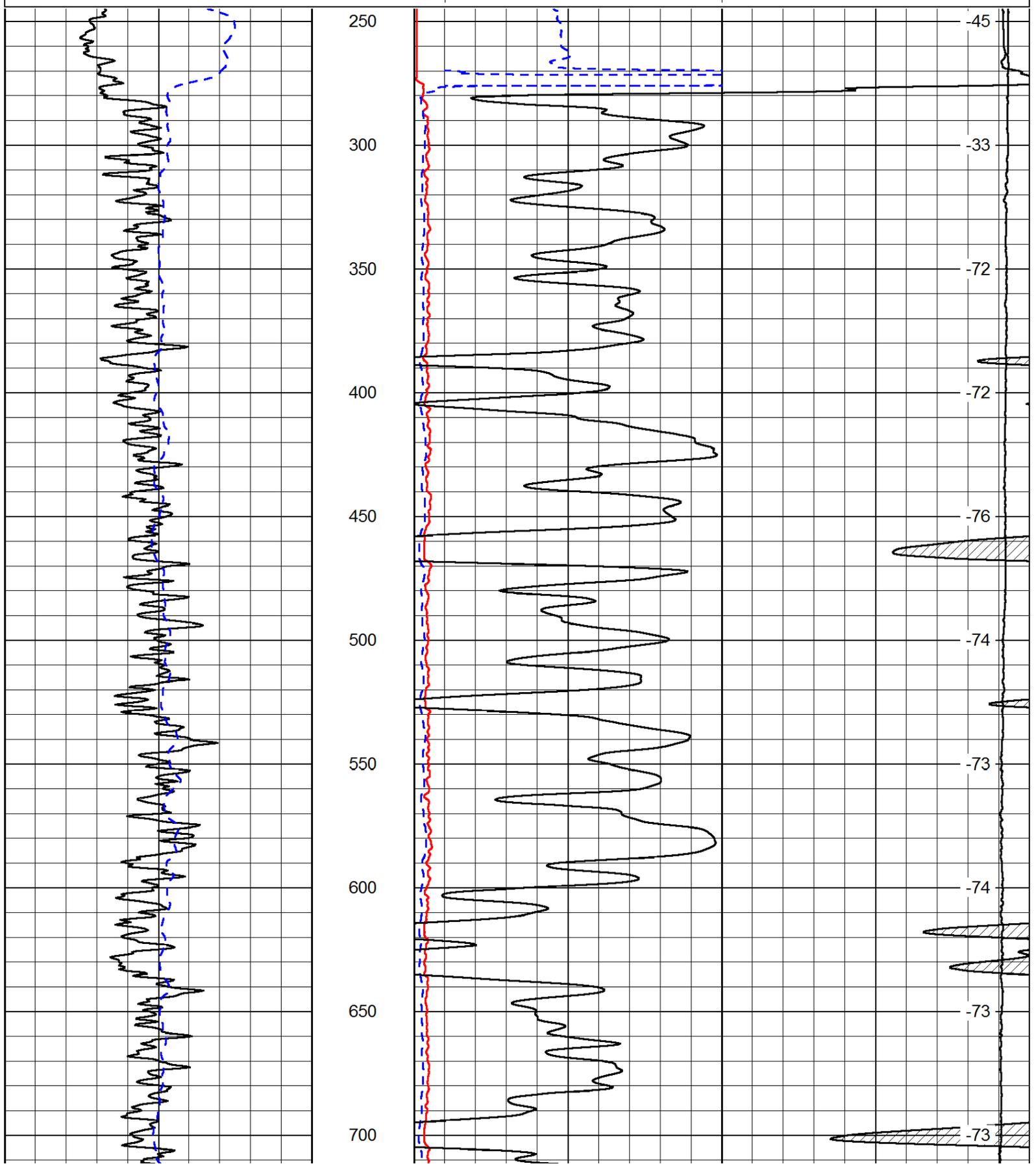
Thank you for using Pioneer Energy Services
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 785 625 3858
 luka,
 1 North to 70 St, 1/4 East,
 North and East into

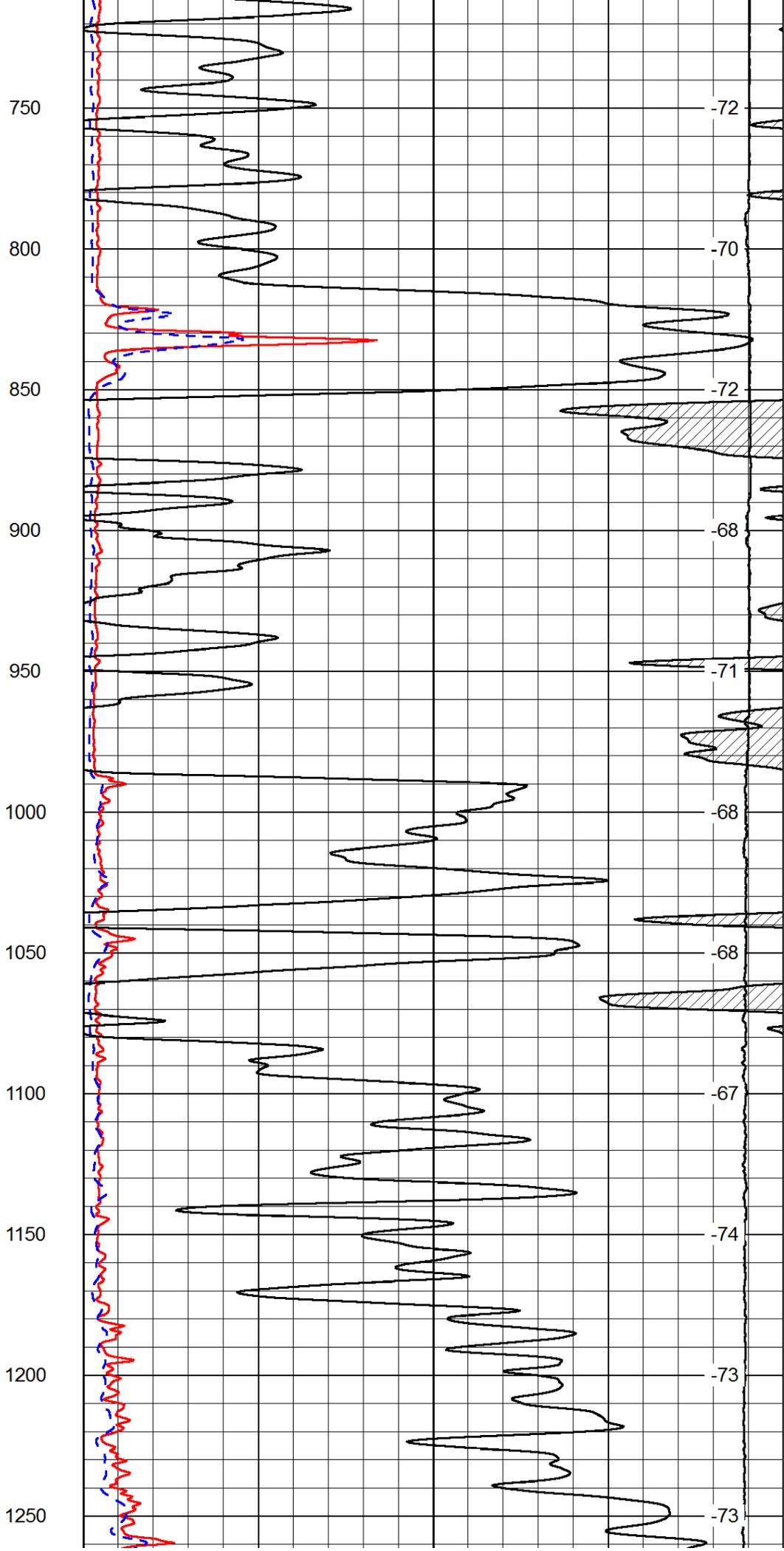
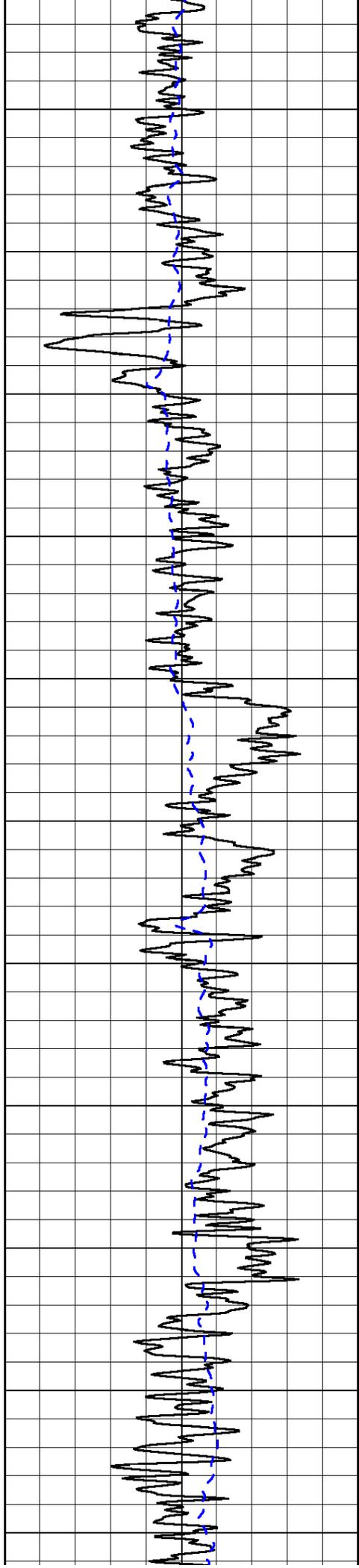
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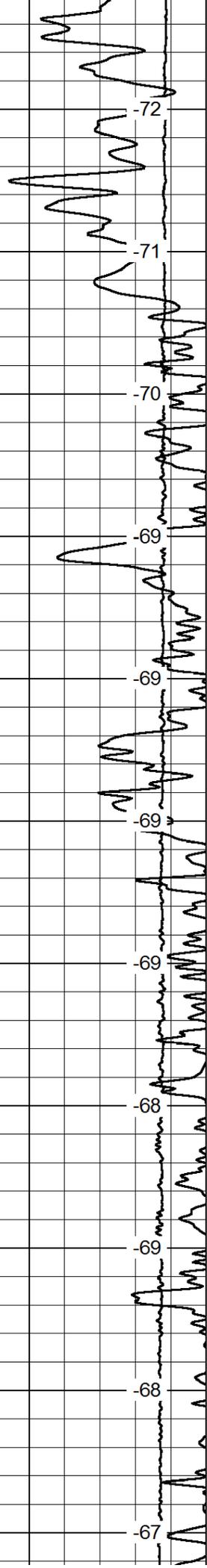
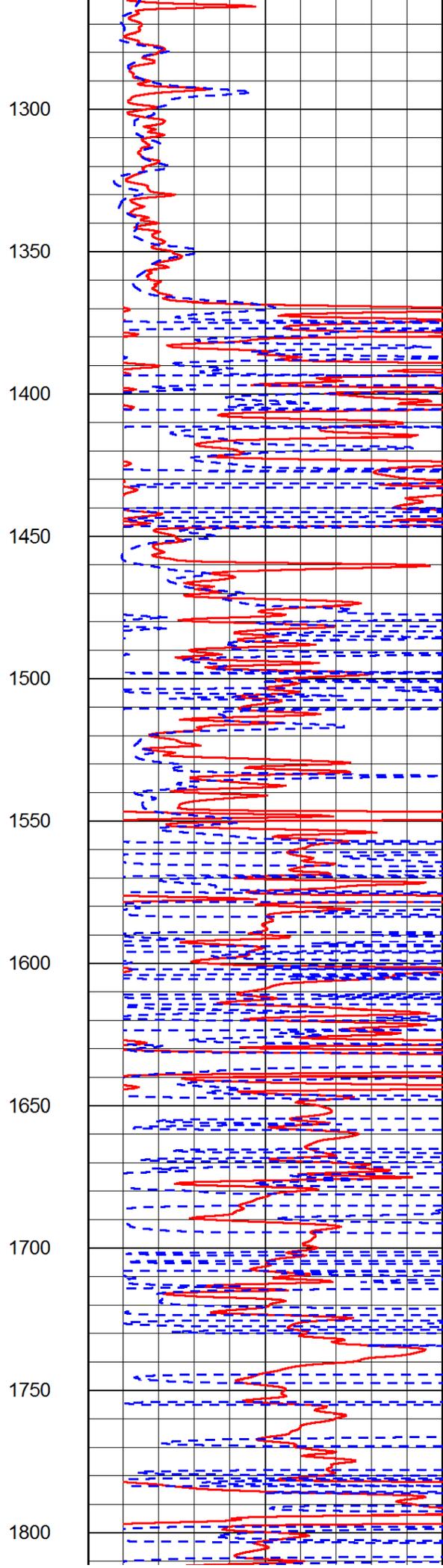
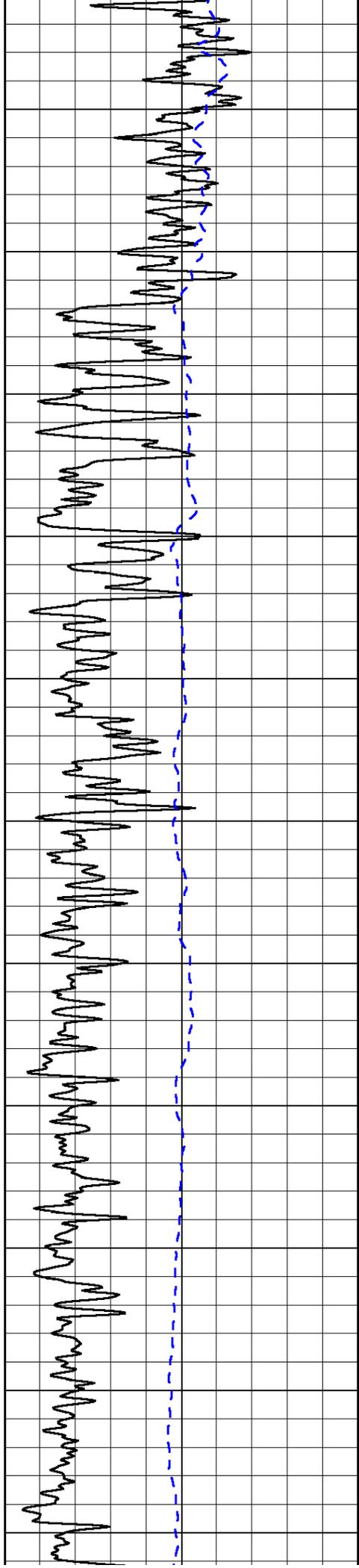
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-200	SP (mV)	0

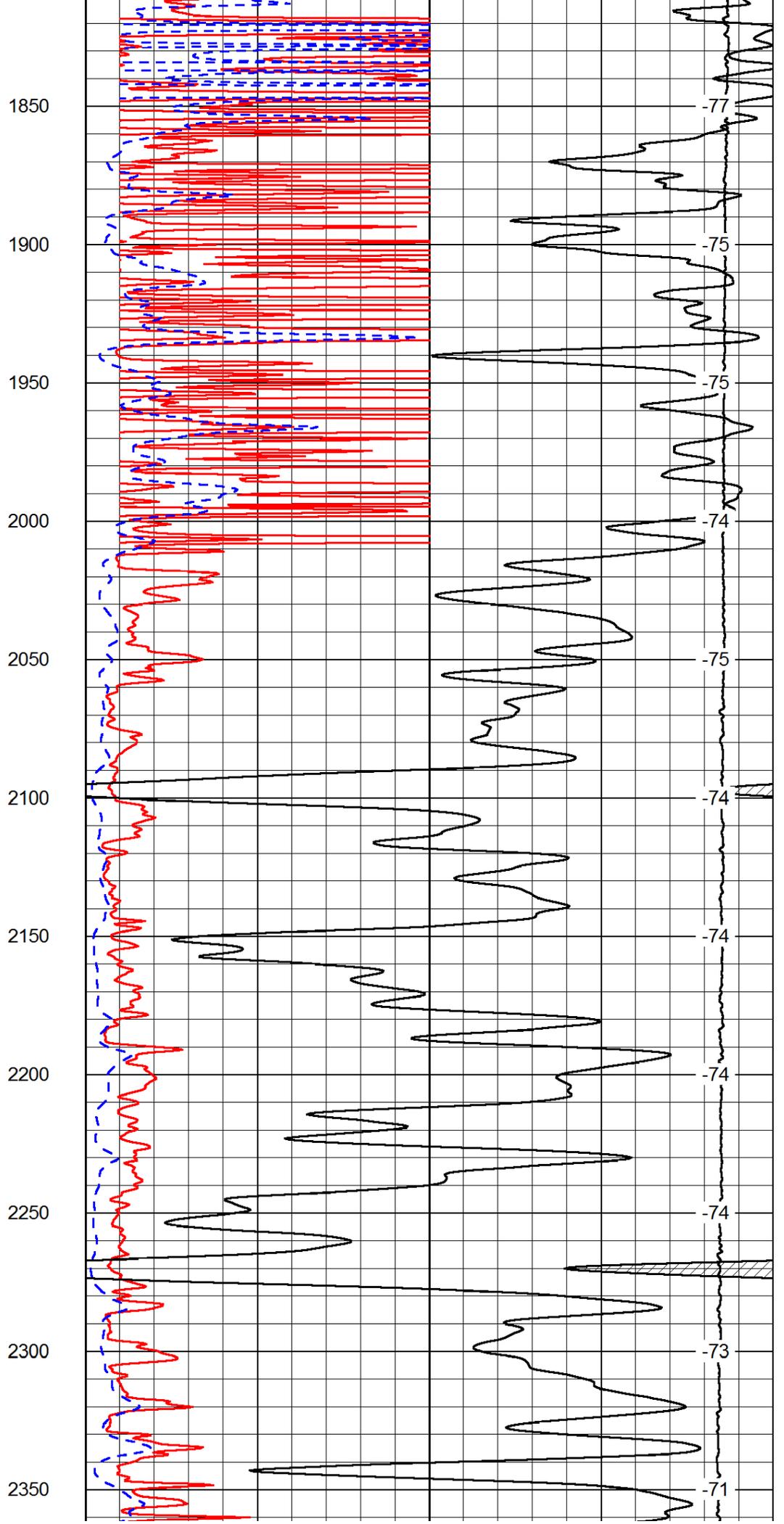
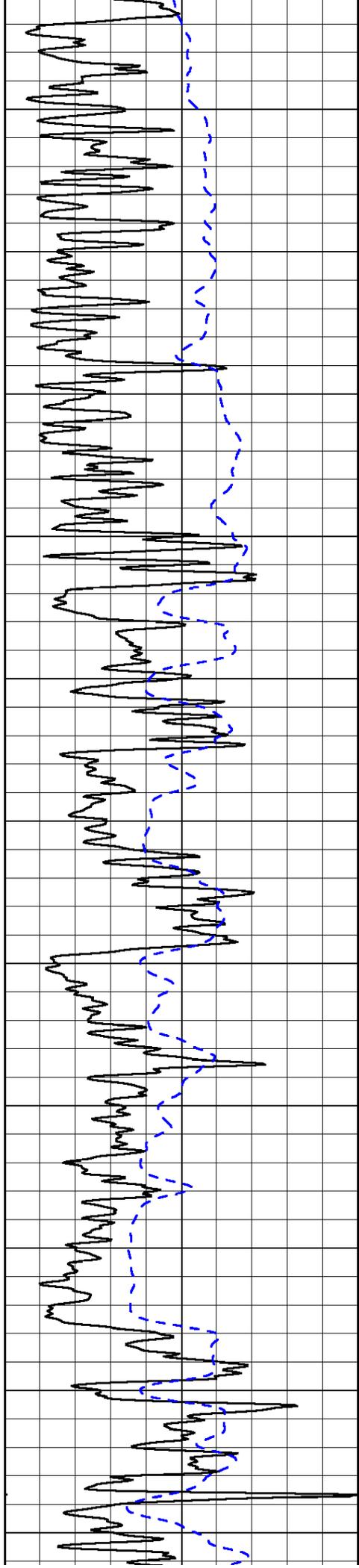
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
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50	Deep Resistivity	500

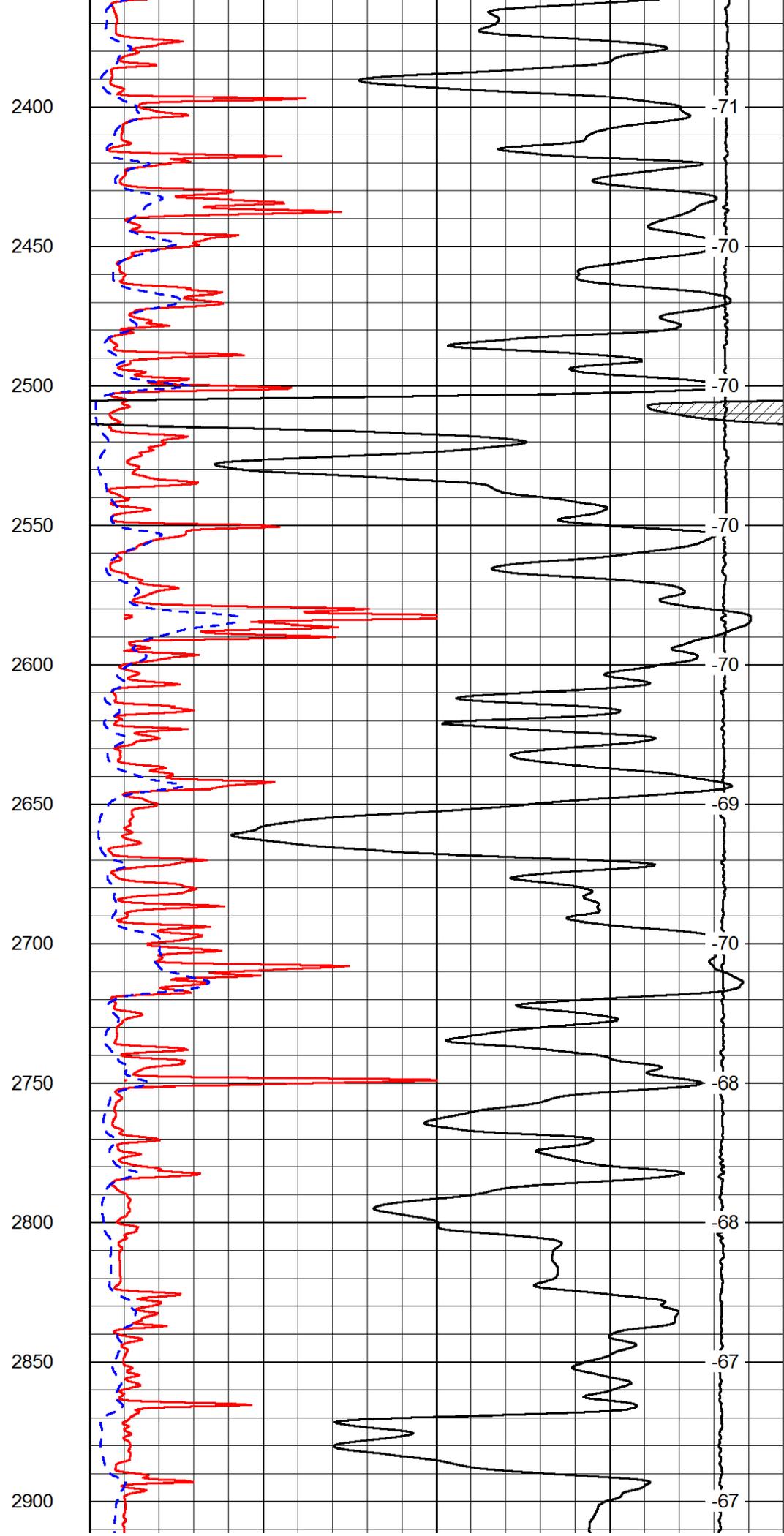
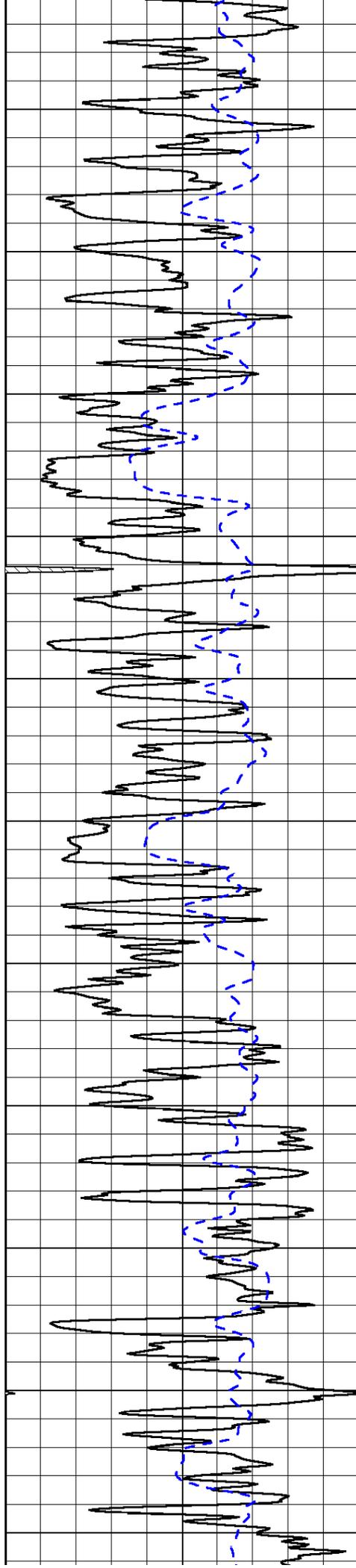
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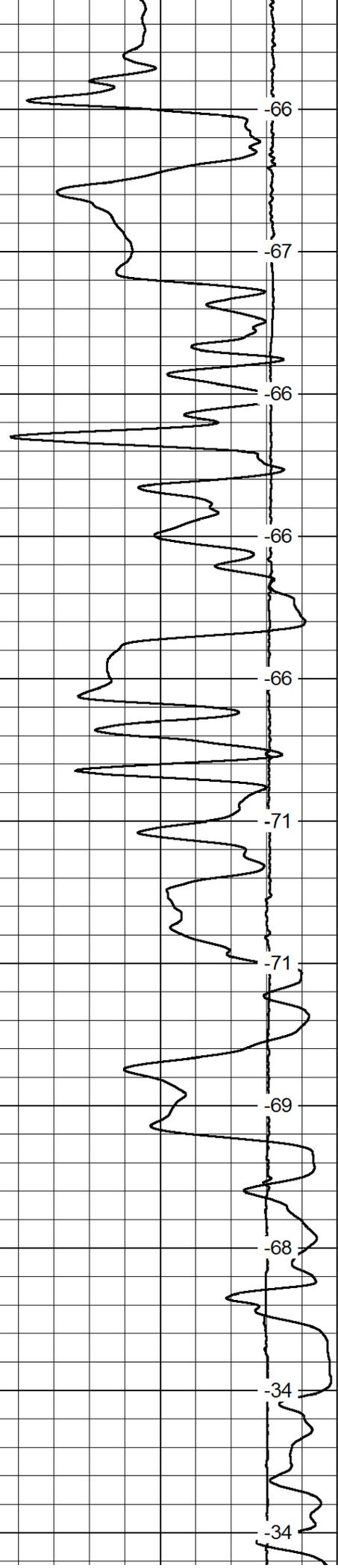
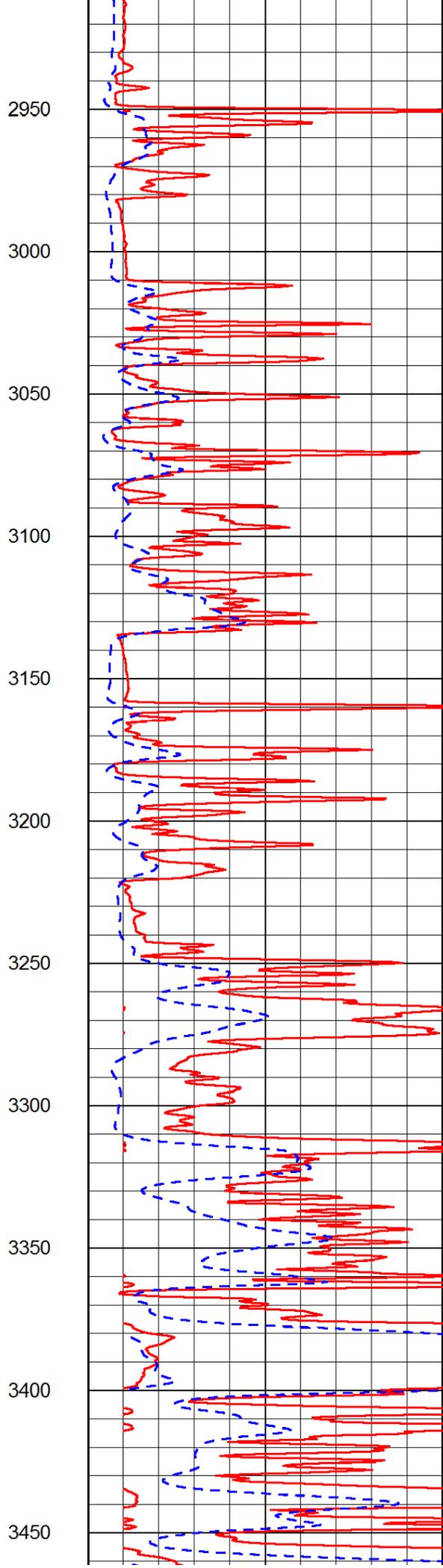
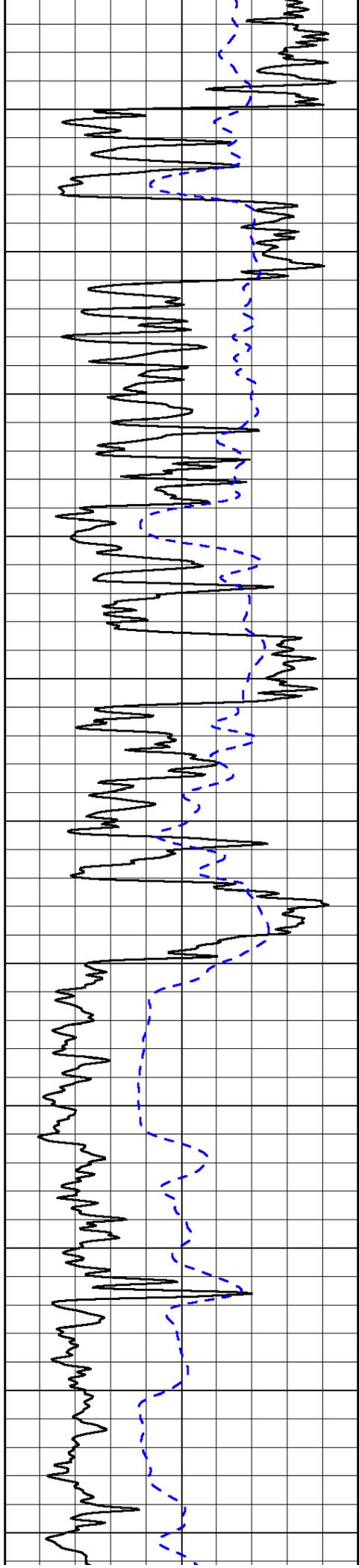


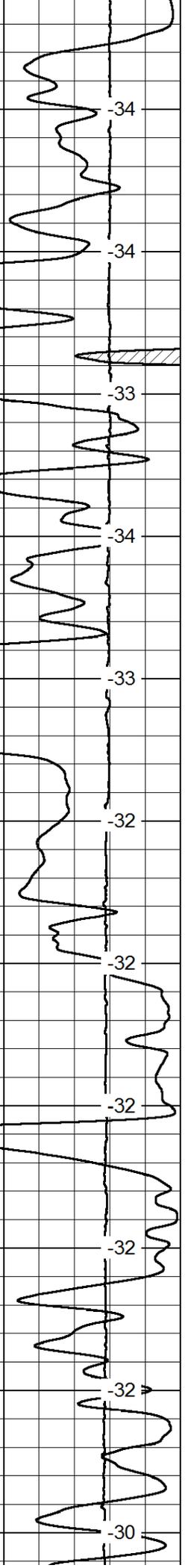
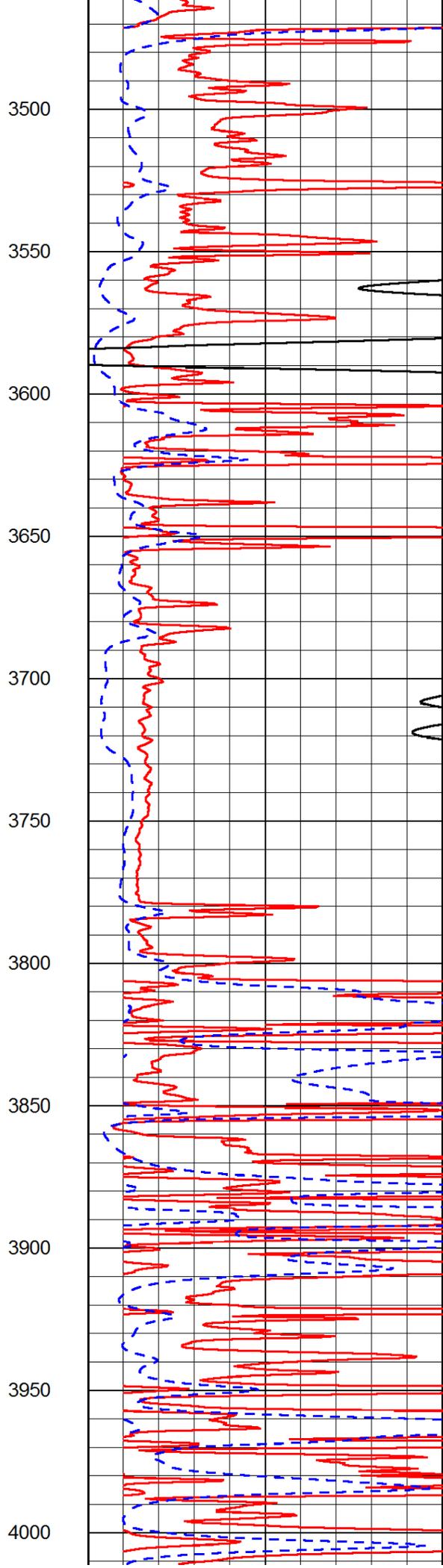
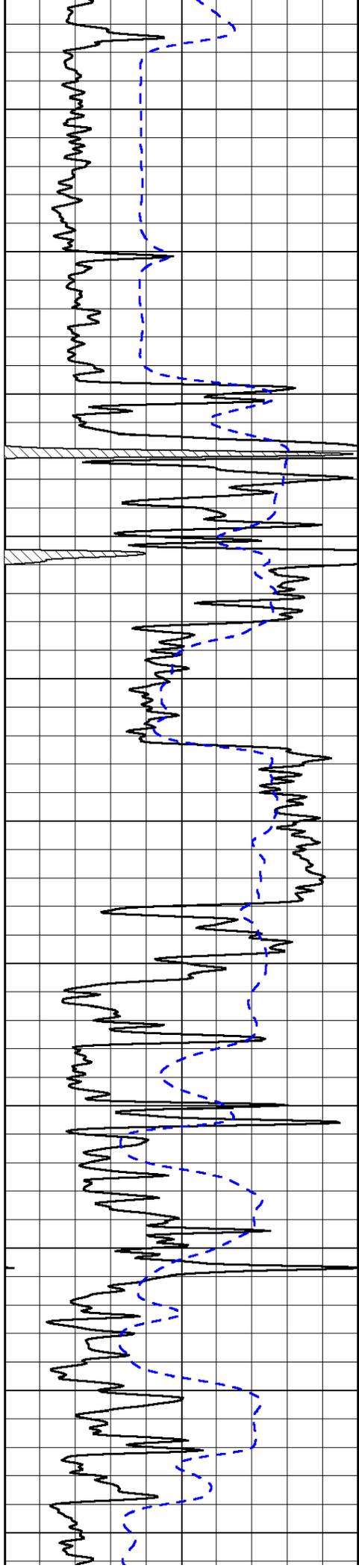


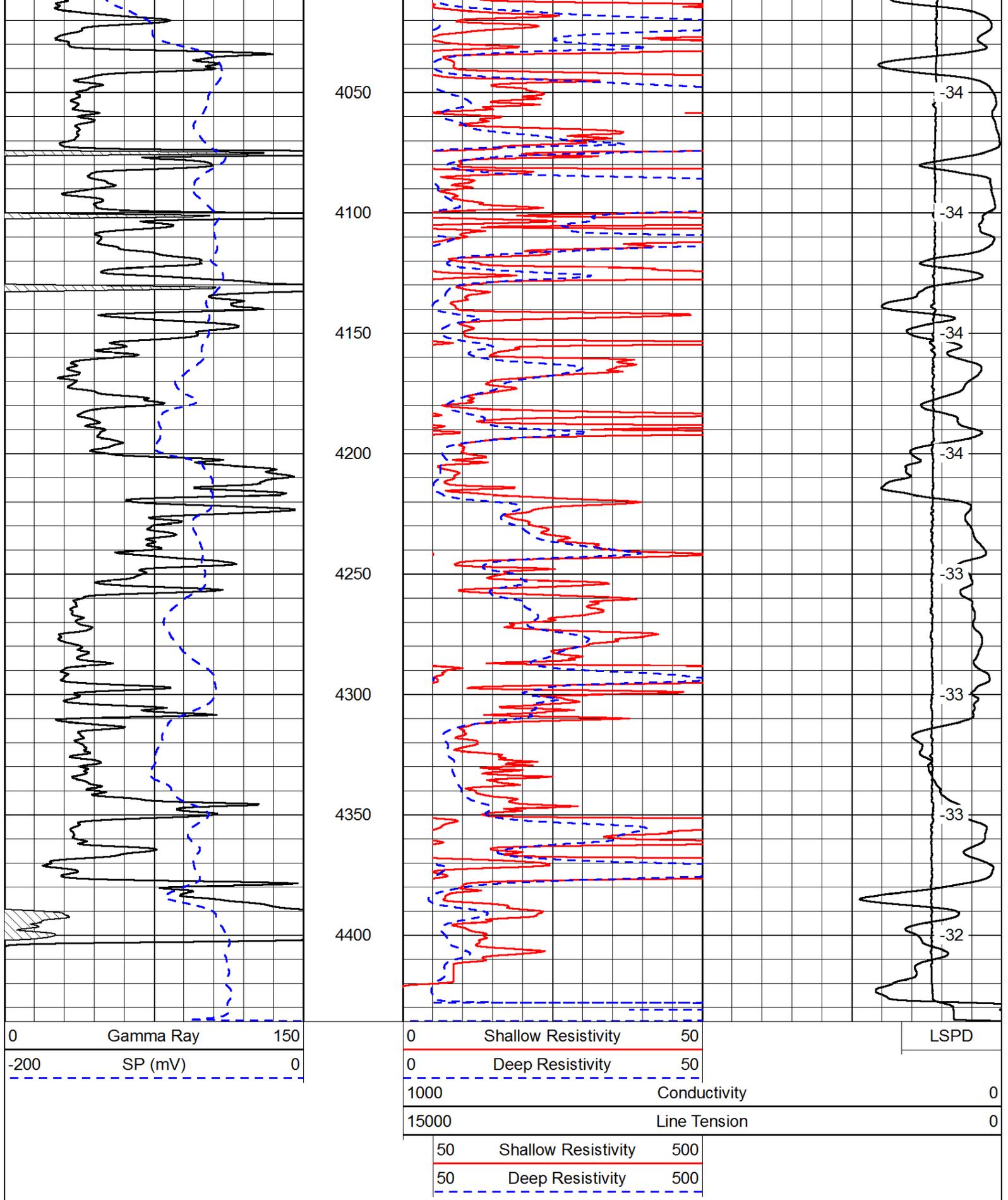










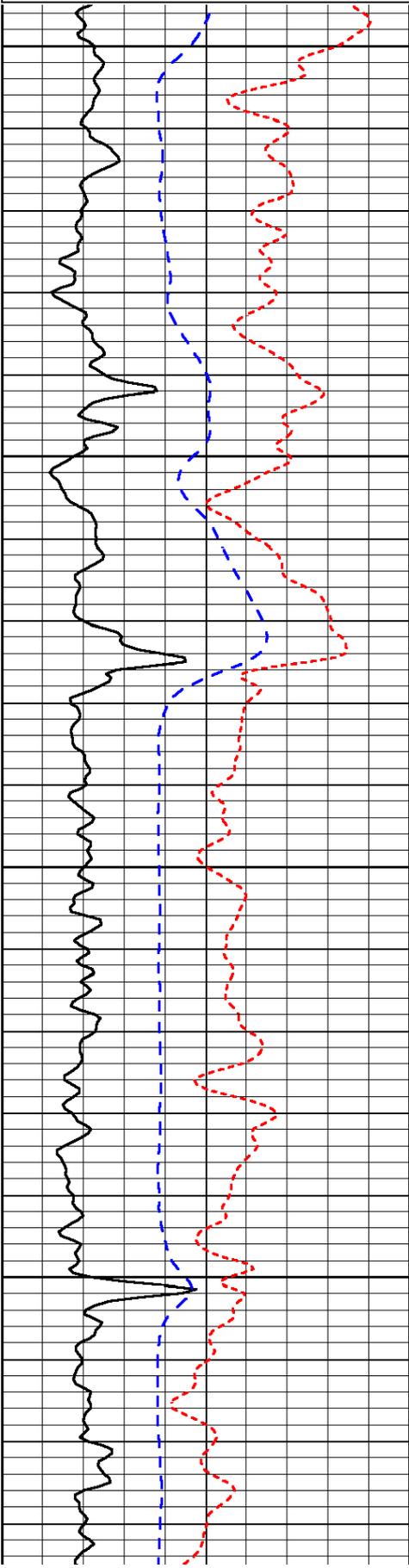


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 Presentation Format: dil
 Dataset Creation: Wed Nov 27 19:31:39 2013

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-200	SP (mV)	0
-160	RxoRt	40

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

LSPD

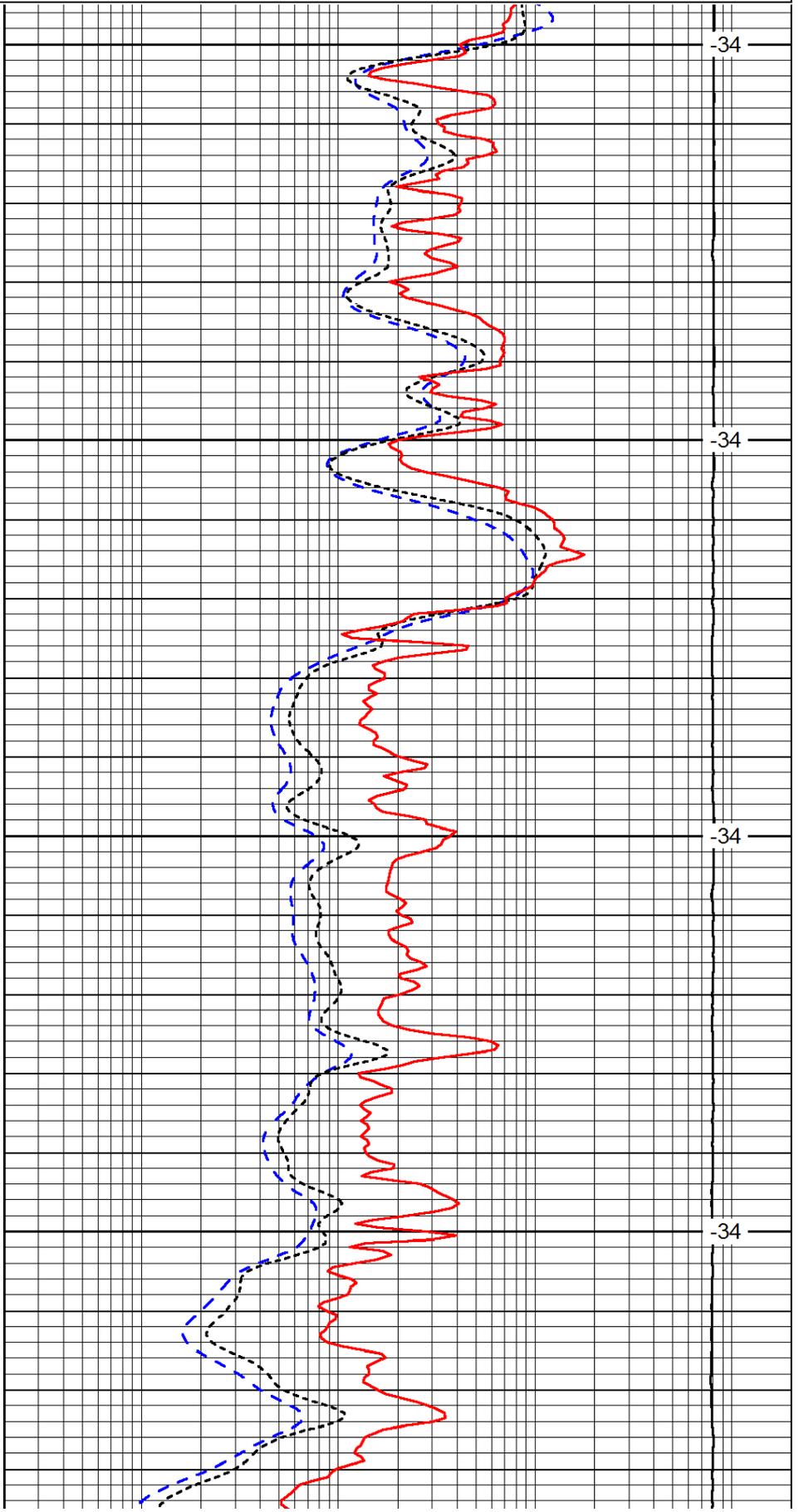


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3500

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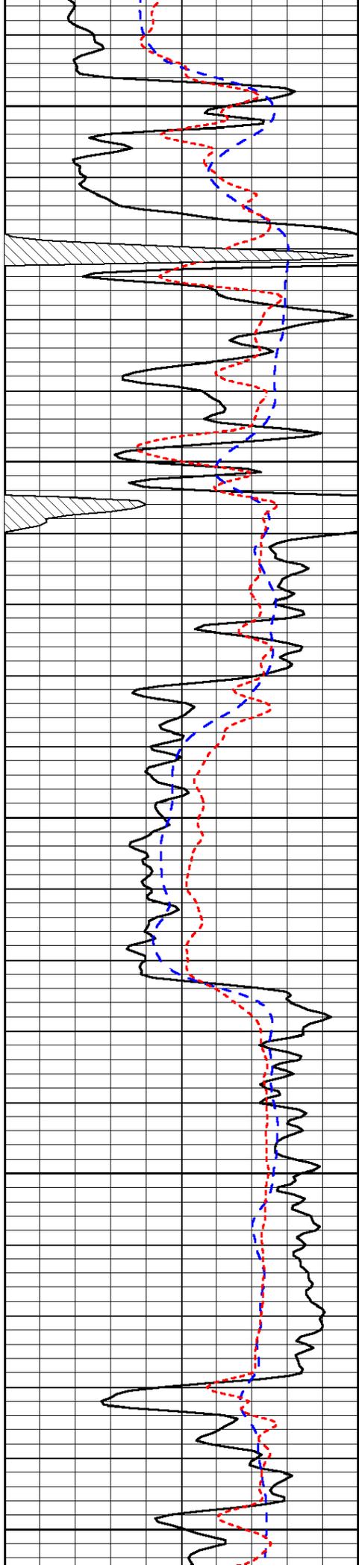


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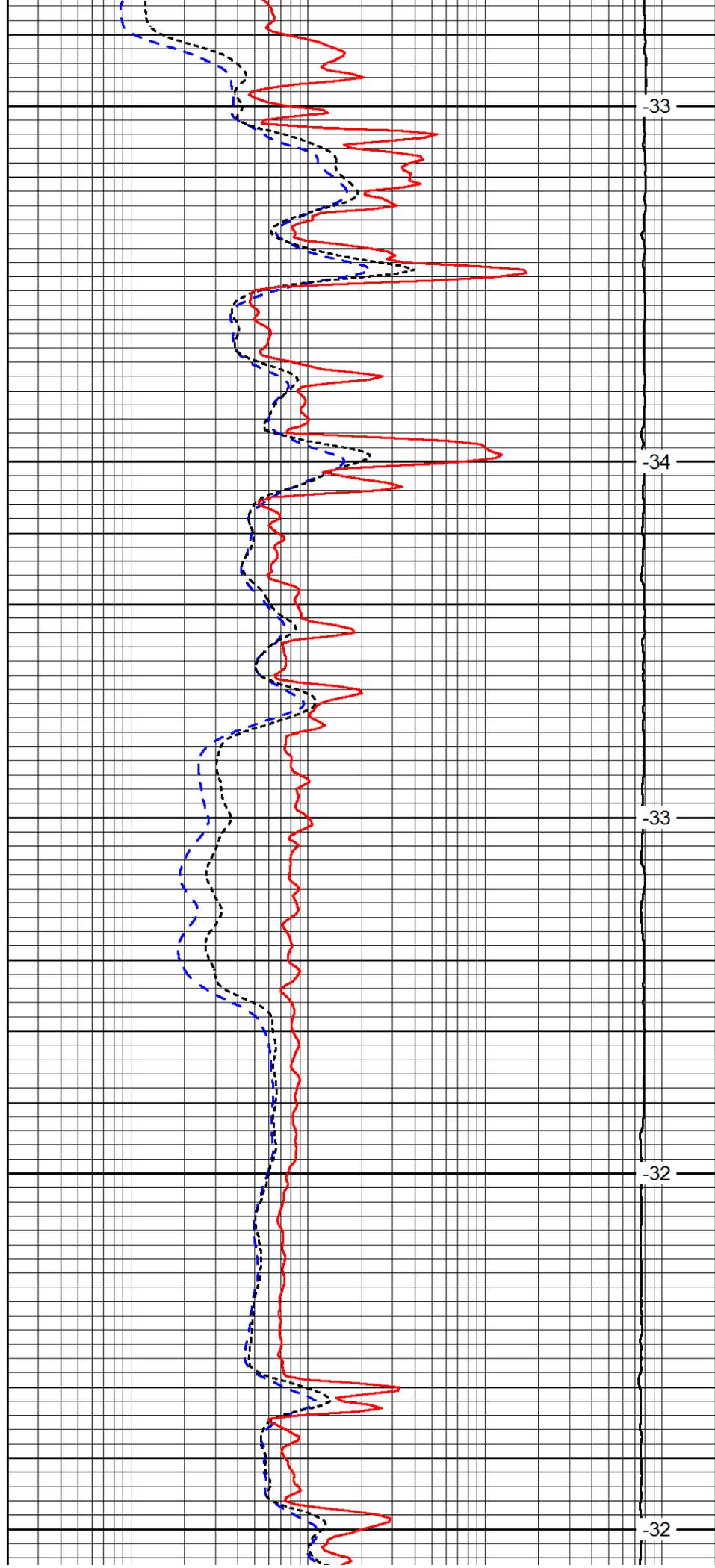
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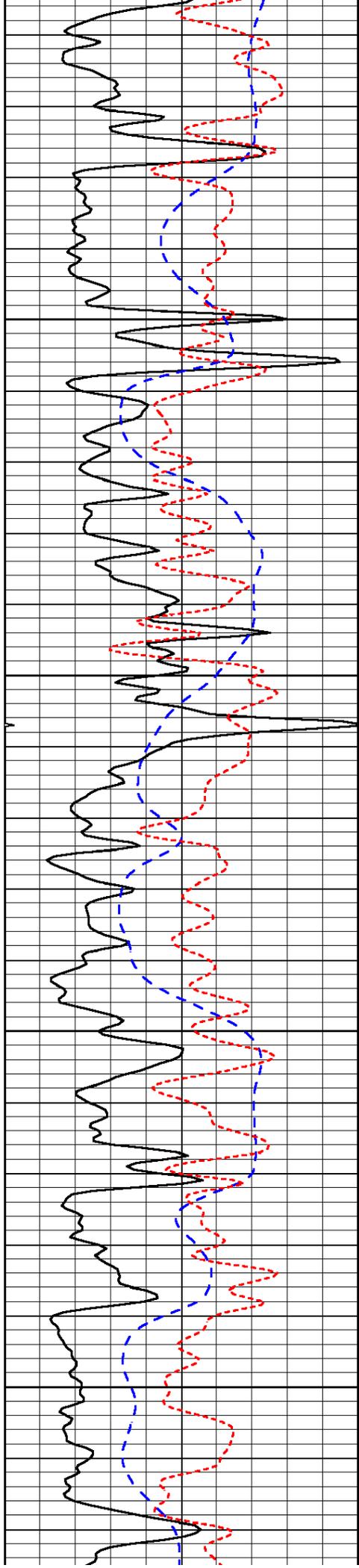
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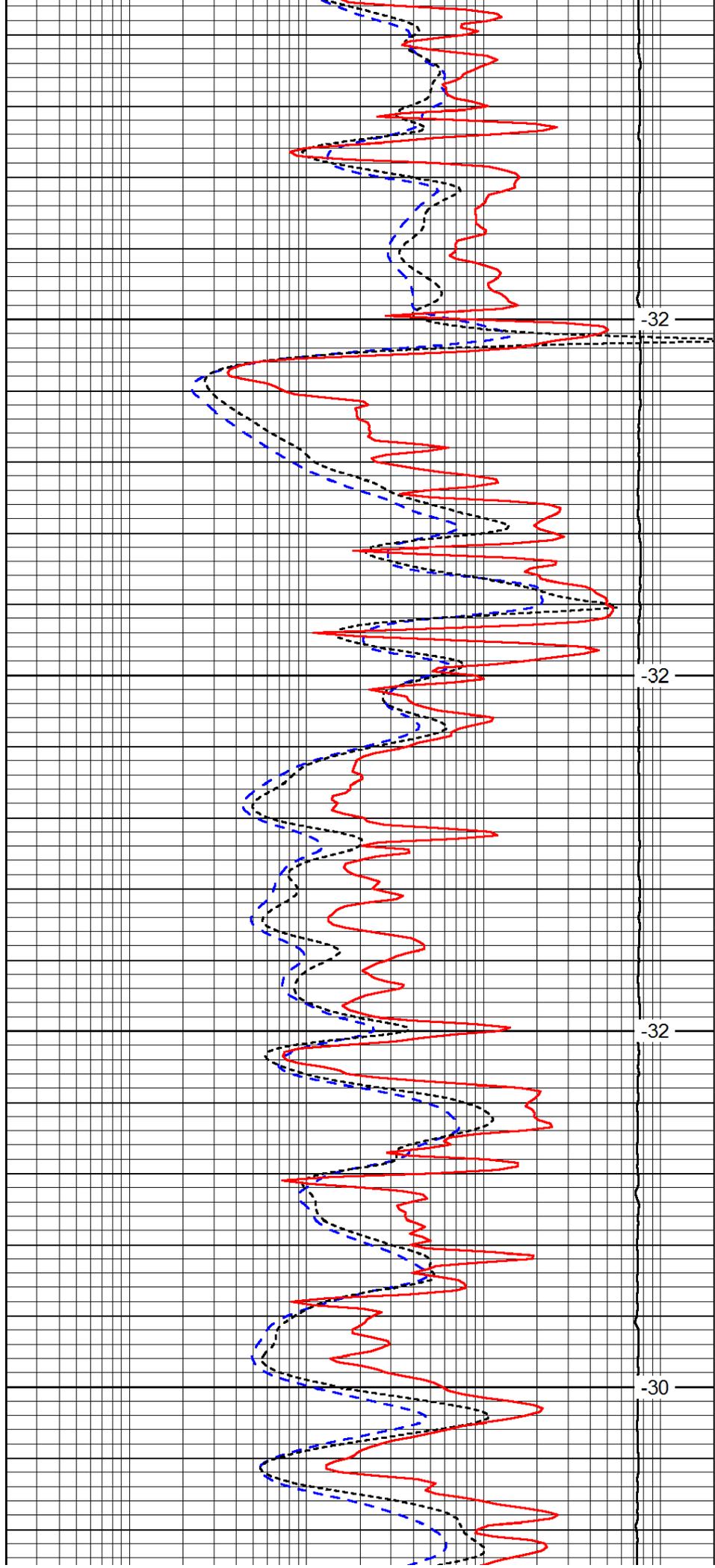


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4000

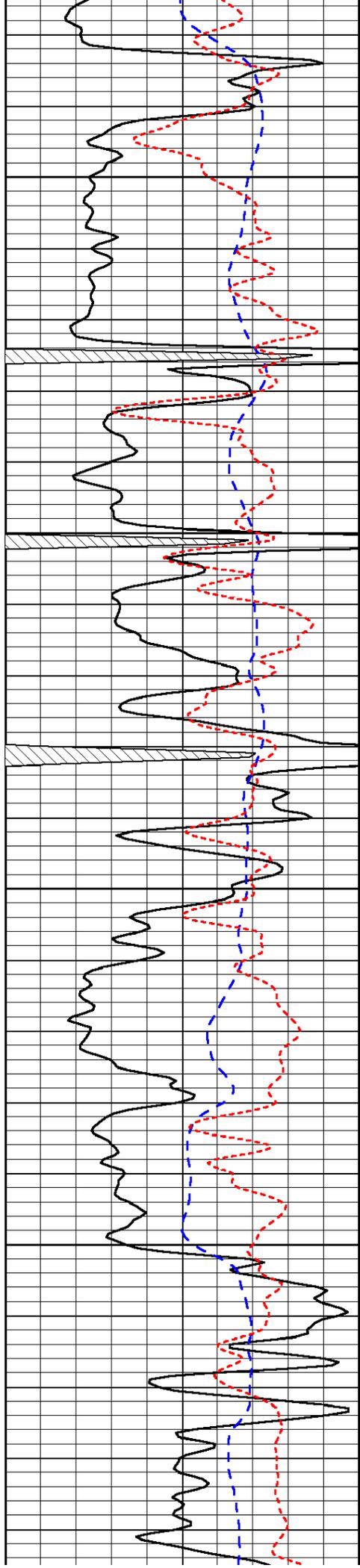


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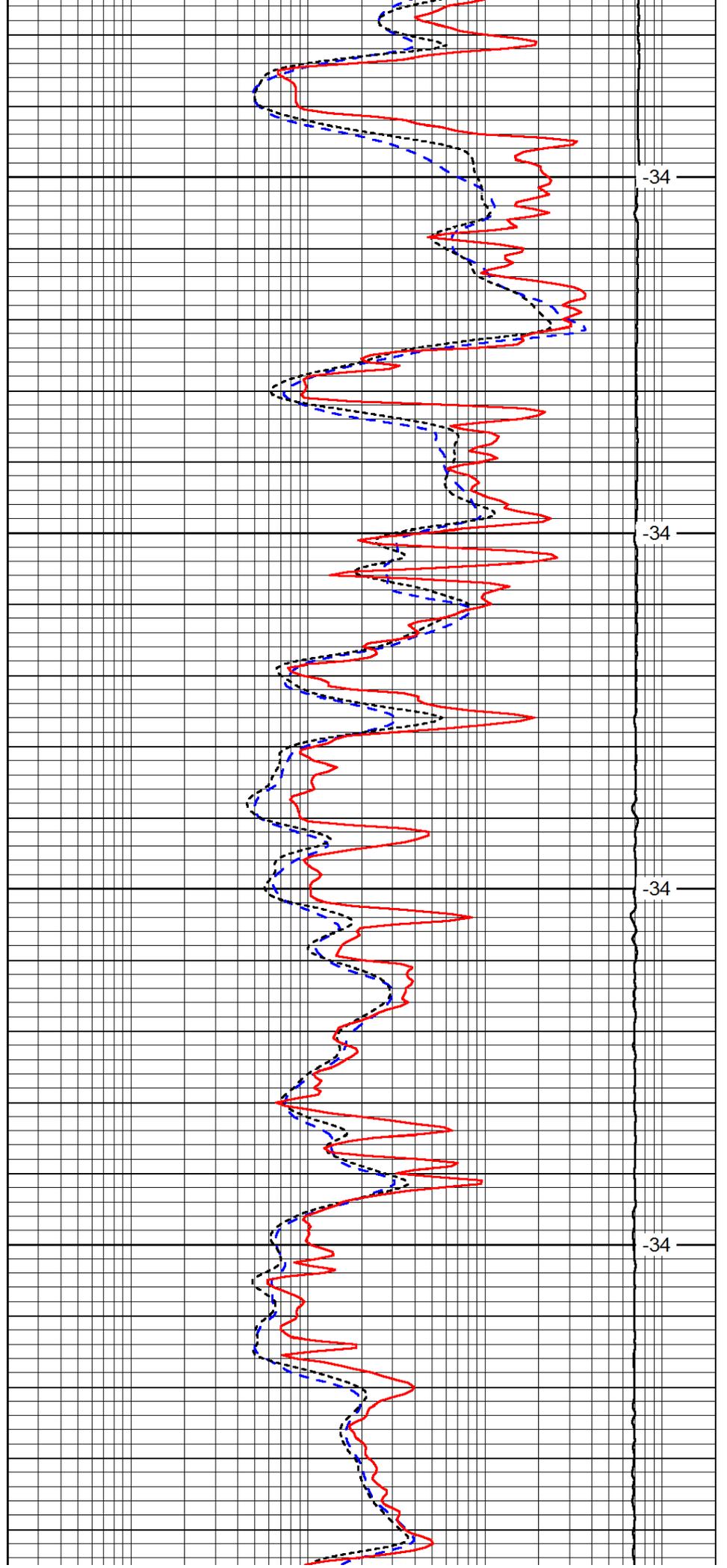


4050

4100

4150

4200

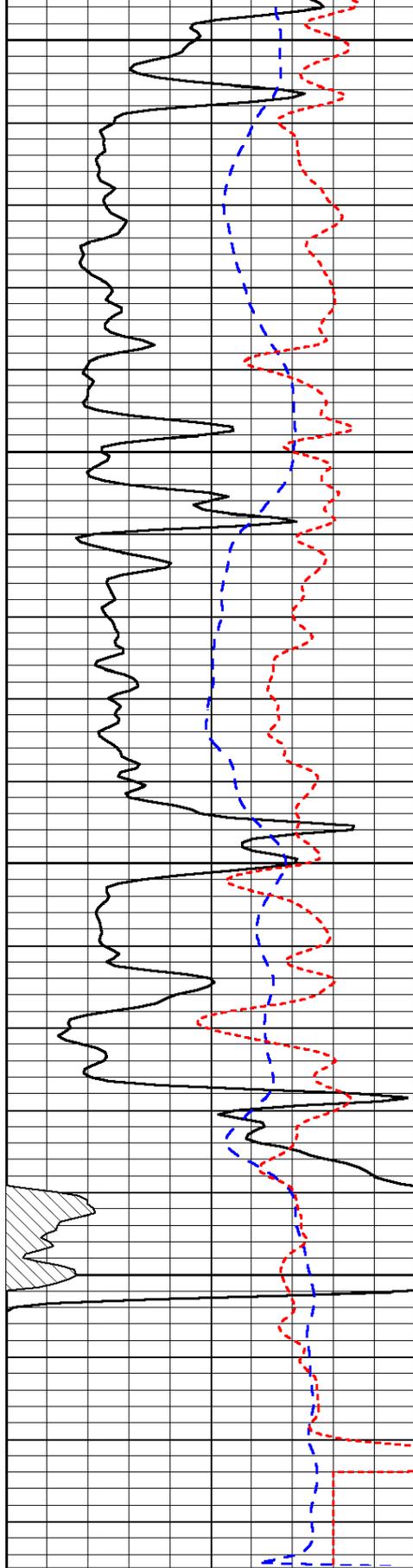


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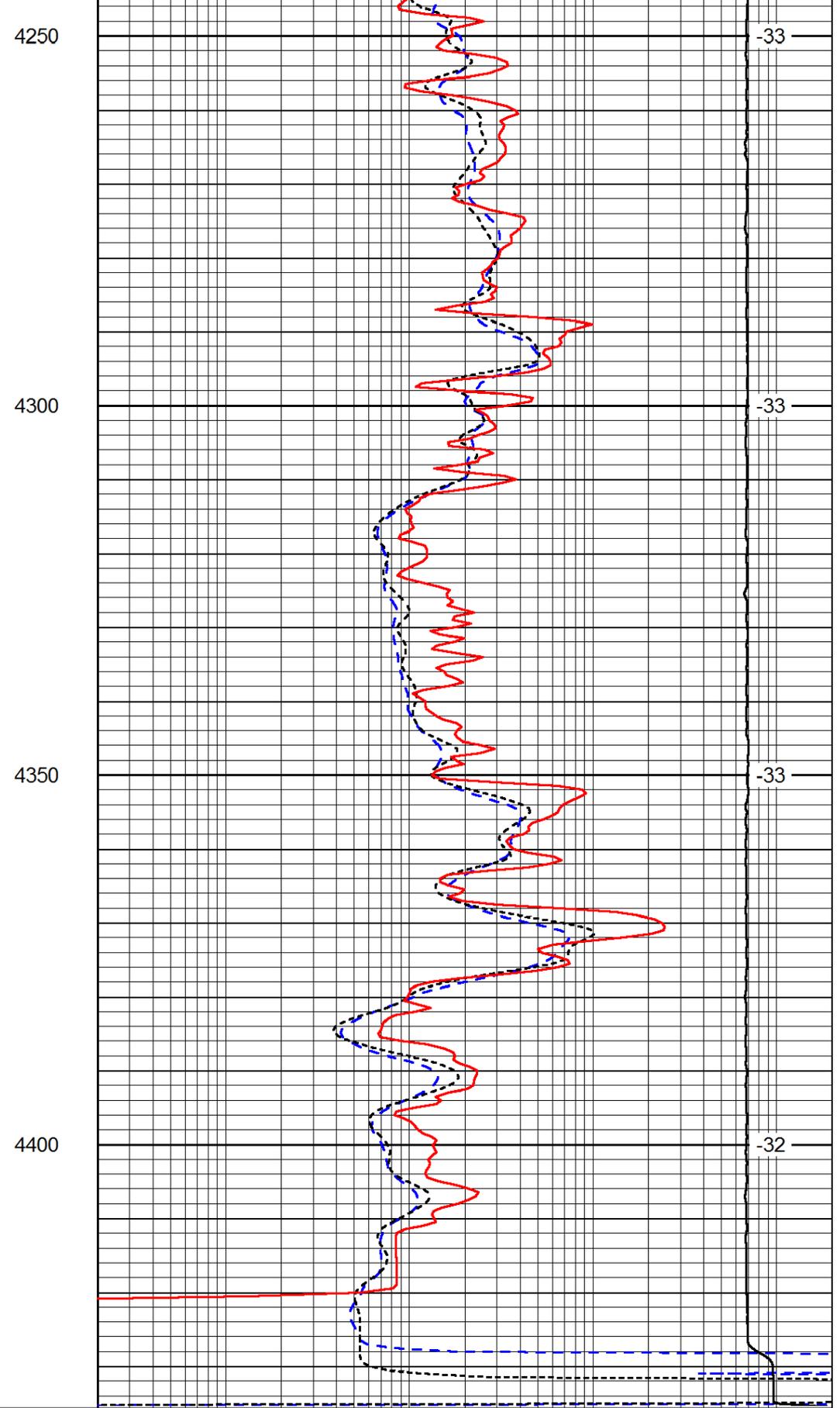
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