



Pioneer Energy Services

# Dual Induction Log

15-145-21,741-00-00

API No.

Company **H&B Petroleum Corporation**  
 Well **Mount Trust #1**  
 Field **Hurray**  
 County **Pawnee** State **Kansas**

Location  
**1645' FNL & 380' FEL**

Sec: **3** Twp: **22S** Rge: **15W**

Other Services  
 CNL/CDL  
 MEL/BHCS

Elevation

Permanent Datum **Ground Level** Elevation **1972**  
 Log Measured From **Kelly Bushing** **12 Ft. Above Perm. Datum**  
 Drilling Measured From **Kelly Bushing**

K.B. 1984  
 D.F. 1972  
 G.L. 1972

Date	11/17/2013	
Run Number	One	
Depth Driller	3938	
Depth Logger	3934	
Bottom Logged Interval	3933	
Top Log Interval	400	
Casing Driller	8.625 @ 417	
Casing Logger	417	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5,000	
Density / Viscosity	9.3 54	
pH / Fluid Loss	10.0 9.6	
Source of Sample	Flowline	
Rm @ Meas. Temp	.32 @ 58	
Rmf @ Meas. Temp	.24 @ 58	
Rmc @ Meas. Temp	.43 @ 58	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.16 @ 115	
Operating Rig Time	4 1/2 Hours	
Max Rec. Temp. F	115	
Equipment Number	17	
Location	Hays	
Recorded By	C. Desaire	
Witnessed By	Jim Musgrove	Al Hammersmith

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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  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858

Larned KS, E on K-19 to Ave 30,  
 1/2 N, W Into

Database File: c:\warrior\data\h&b\_mount trust #1\hbhd.db  
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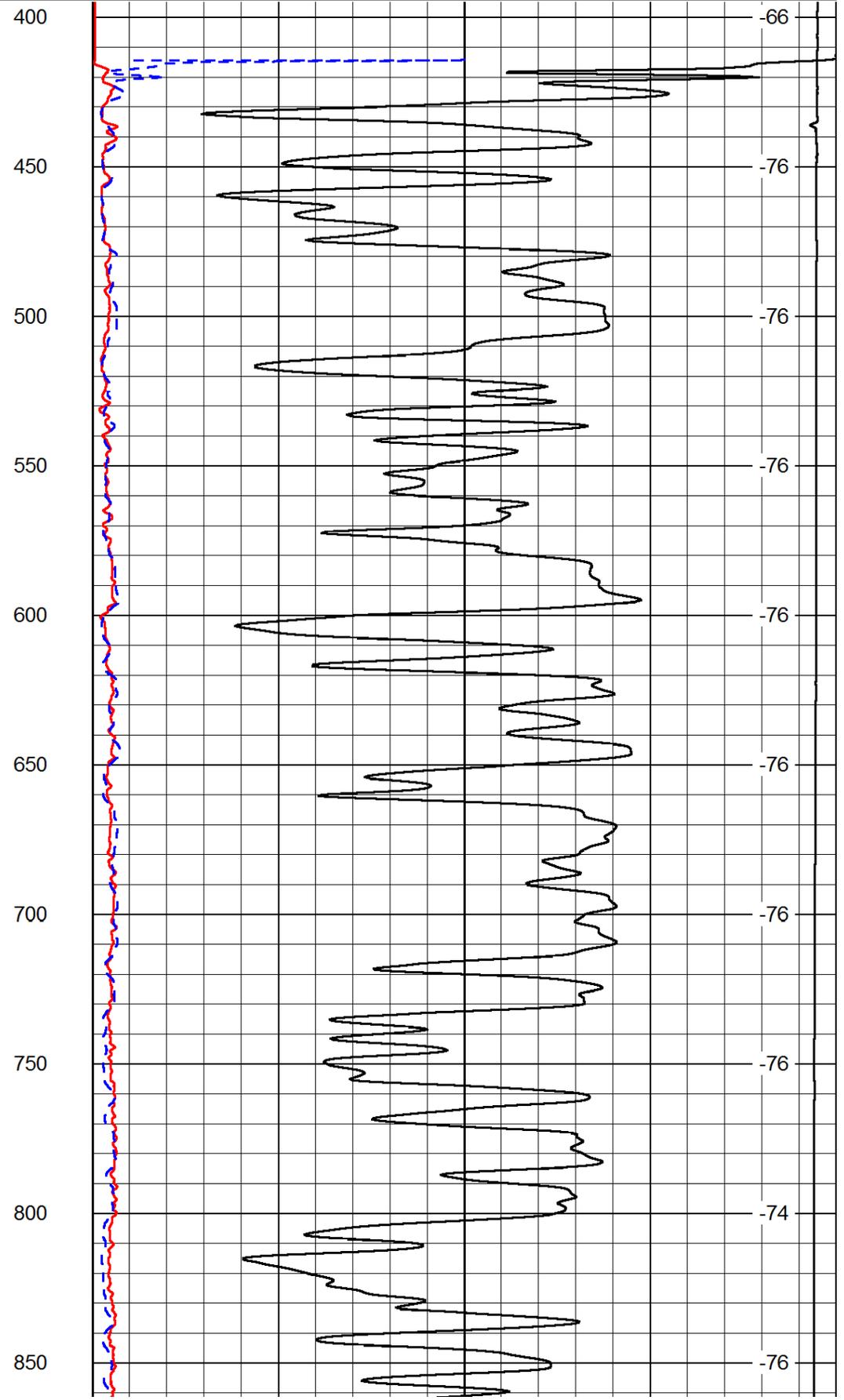
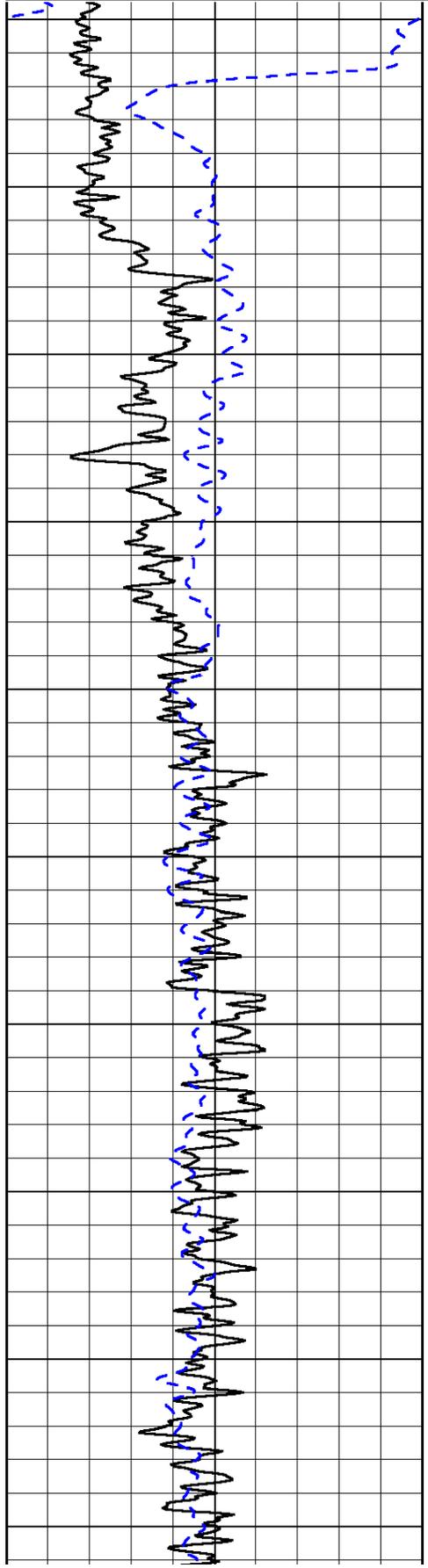
0	Gamma Ray	150
-200	SP (mV)	0

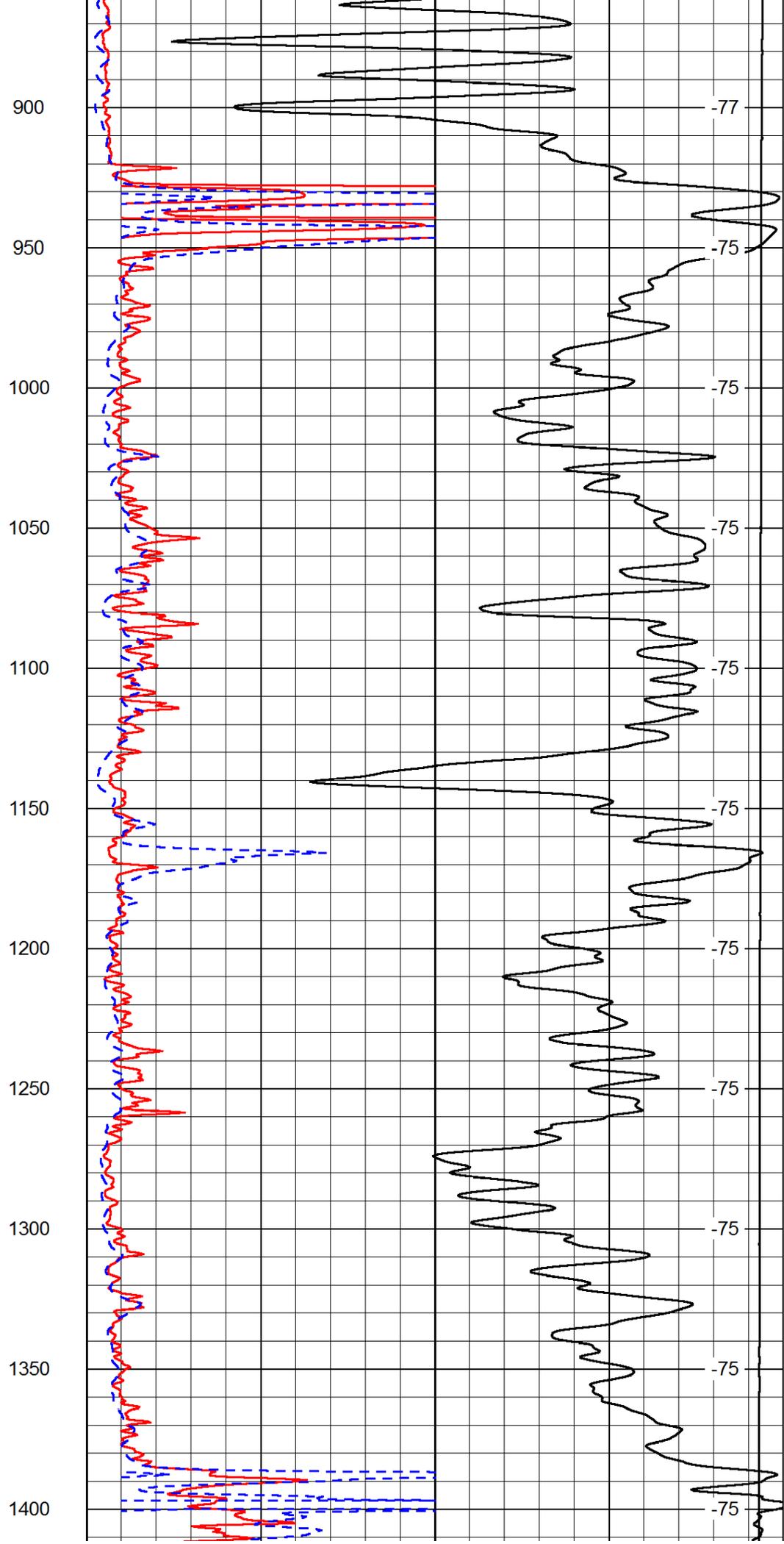
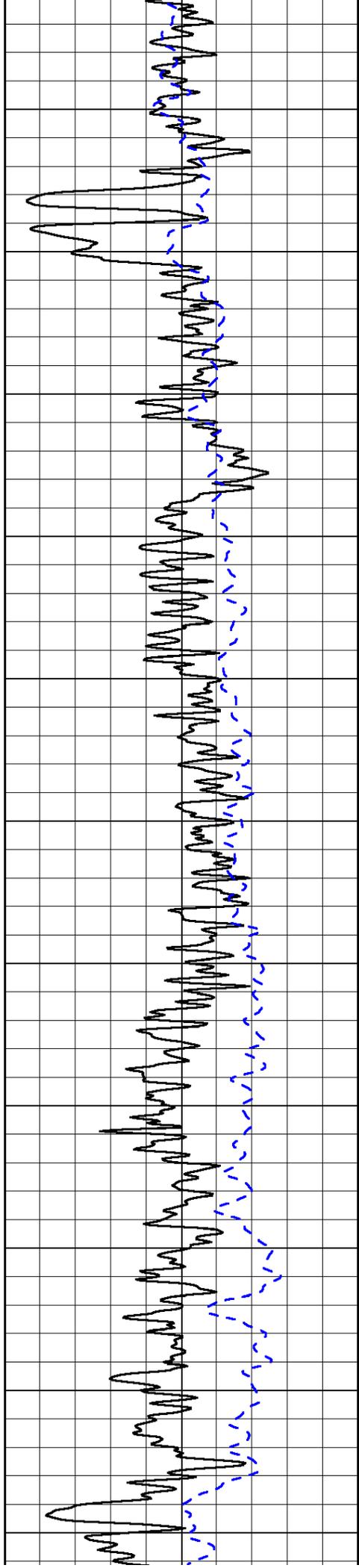
0	Shallow Resistivity	50
0	Deep Resistivity	50

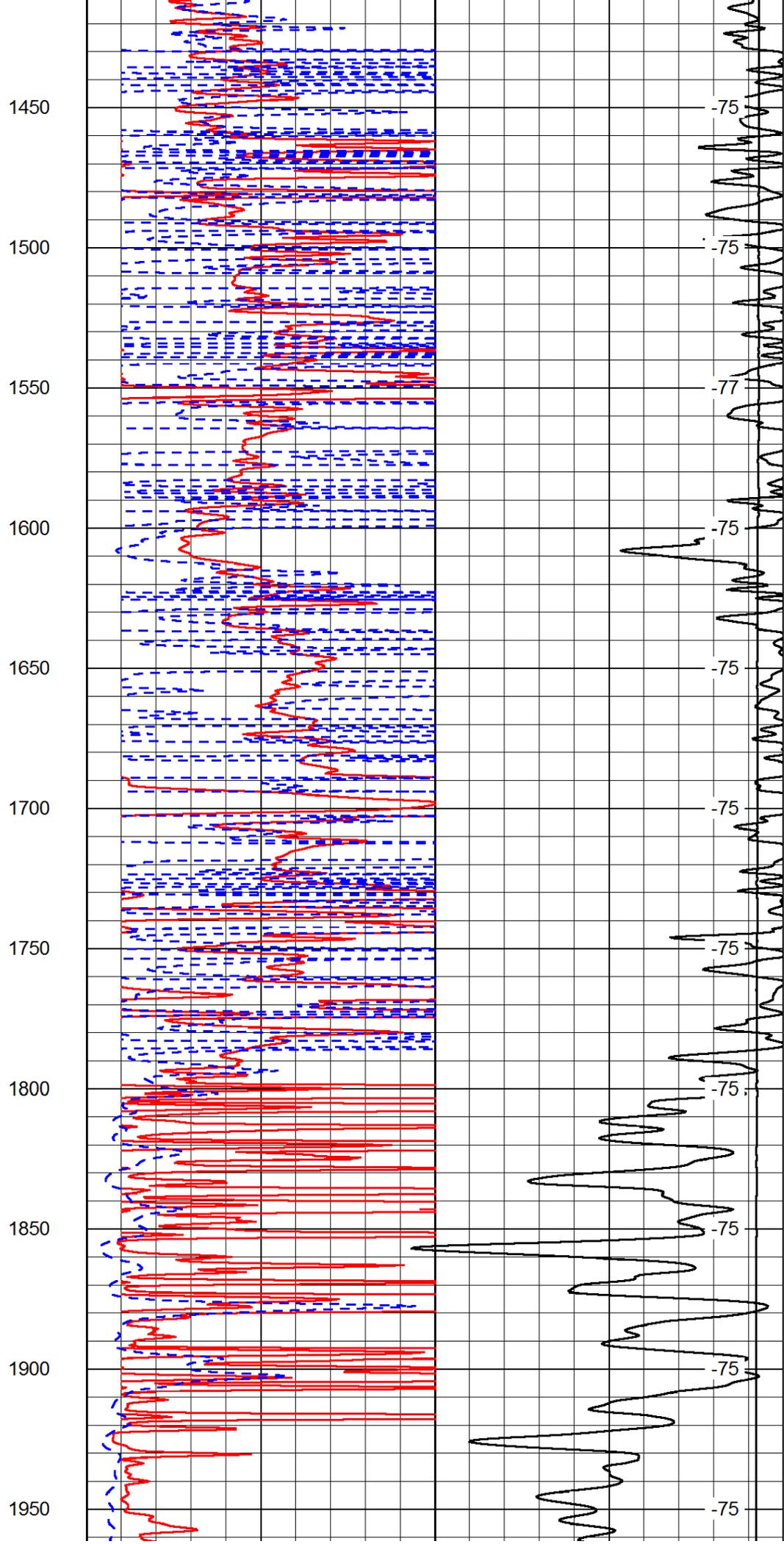
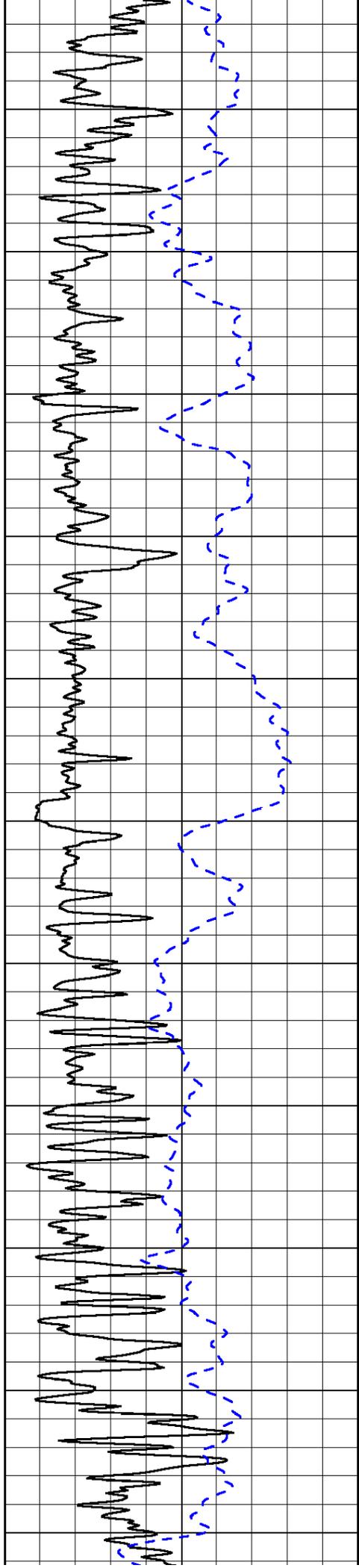
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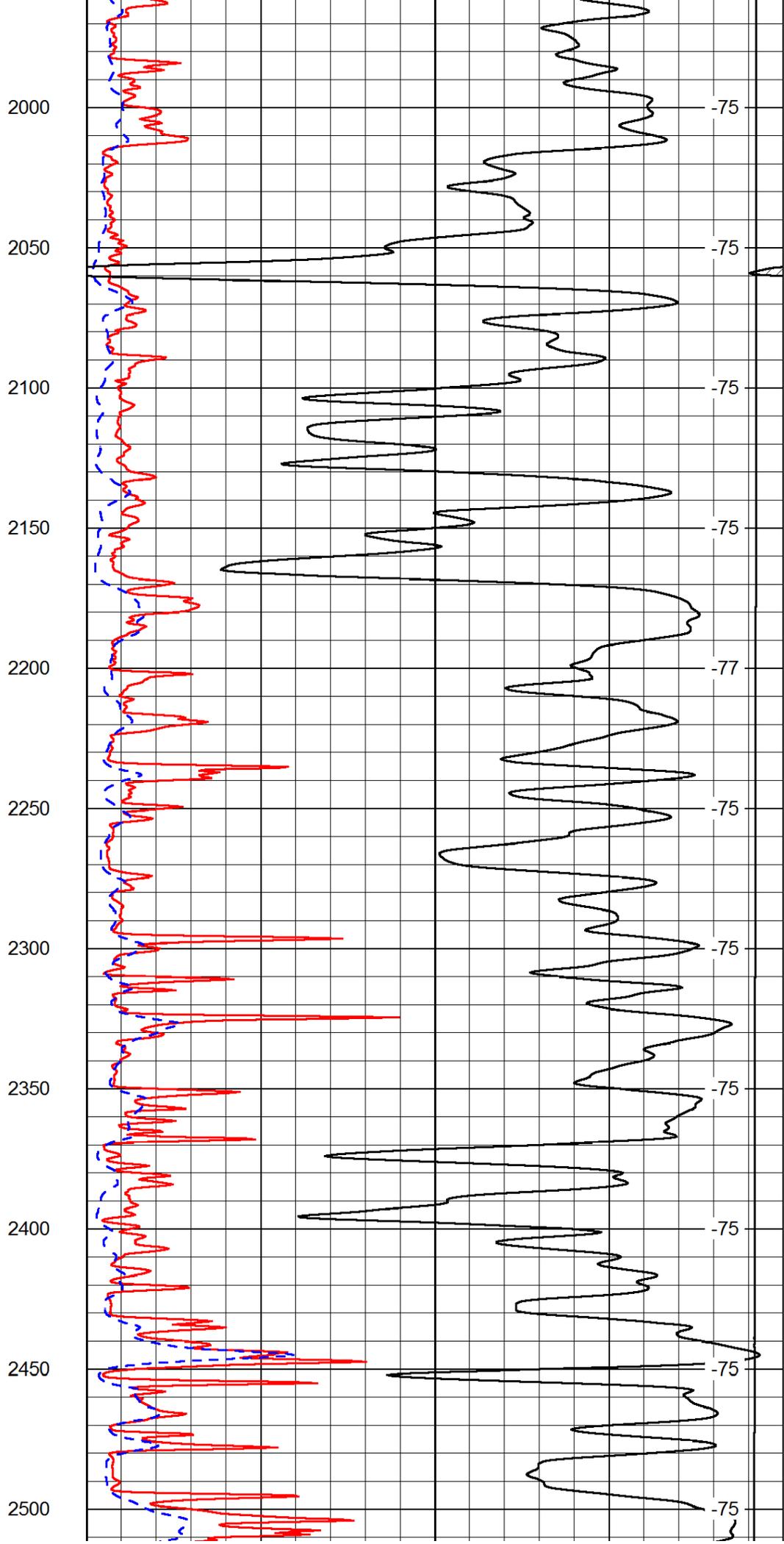
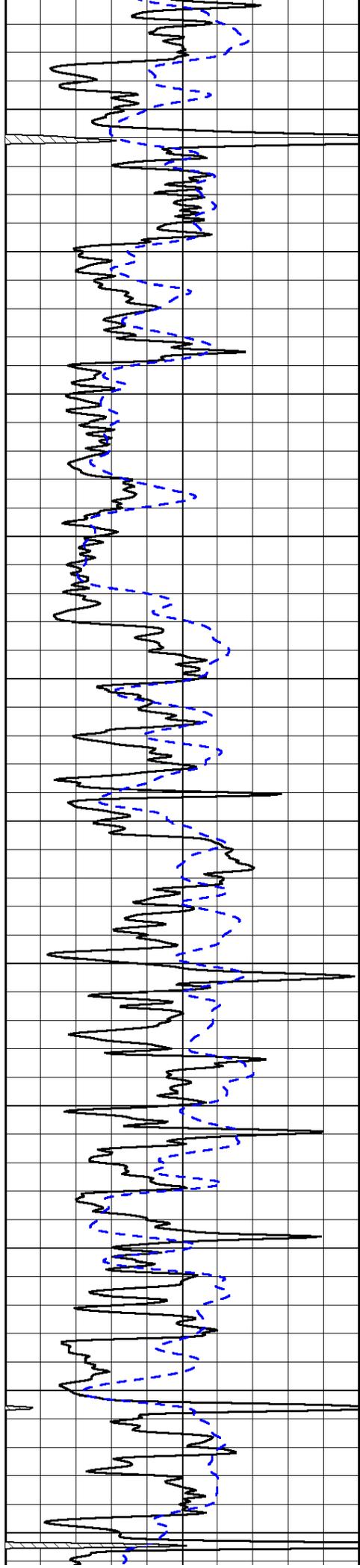
1000	Conductivity	0
15000	Line Tension	0

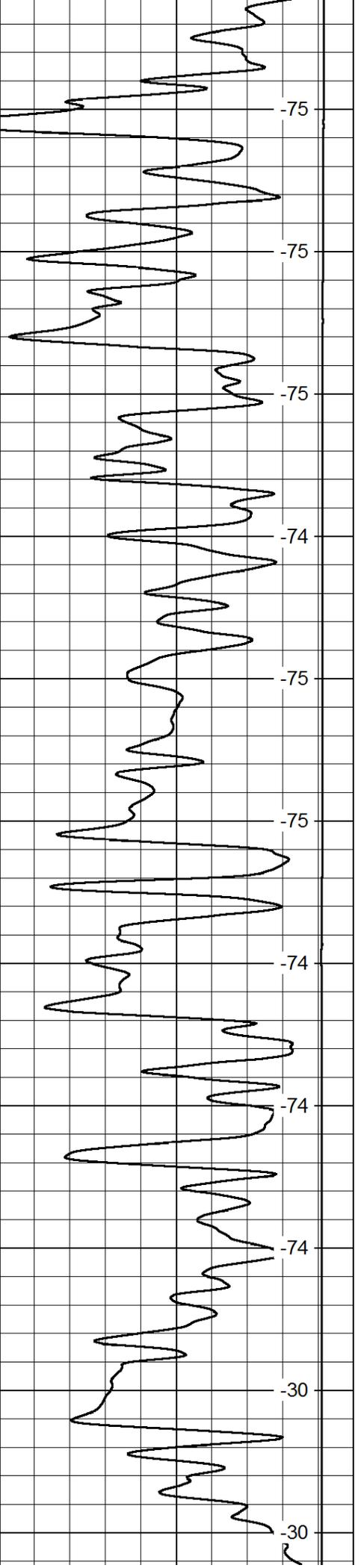
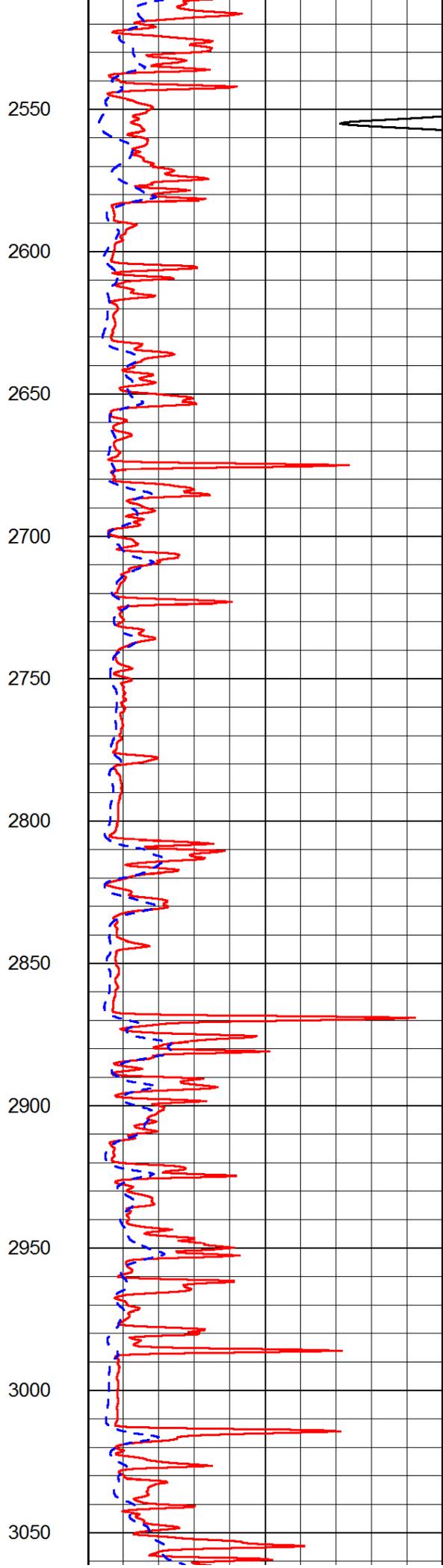
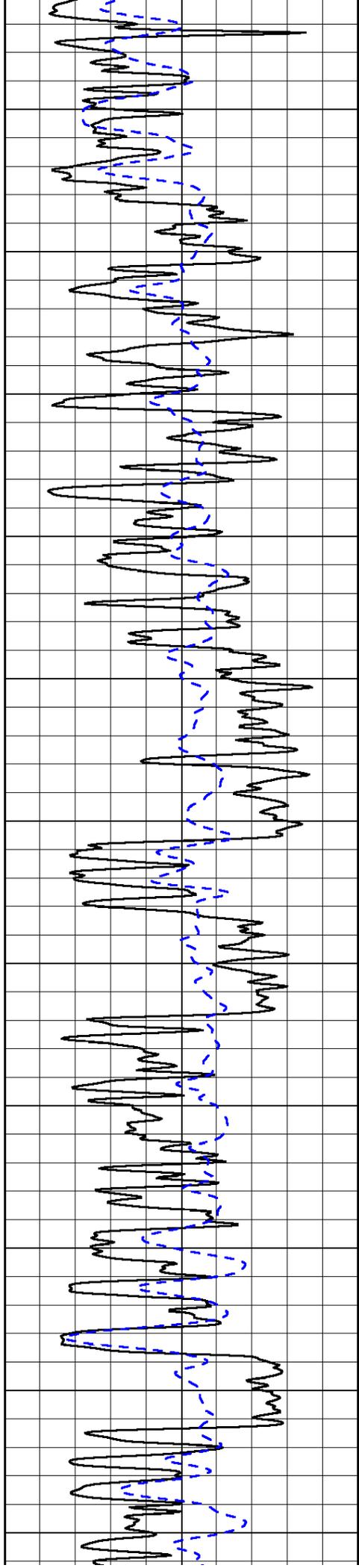
50	Shallow Resistivity	500
50	Deep Resistivity	500

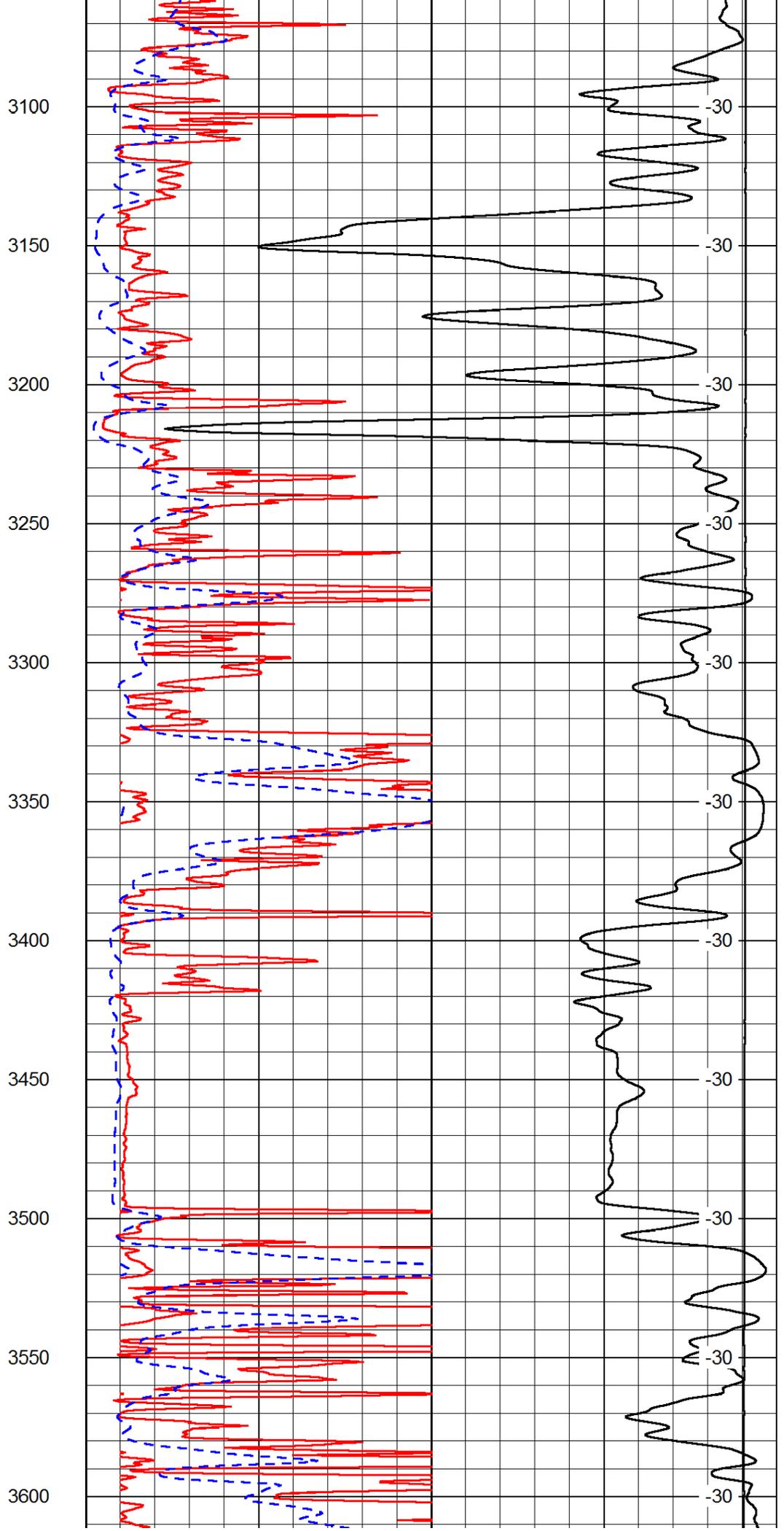
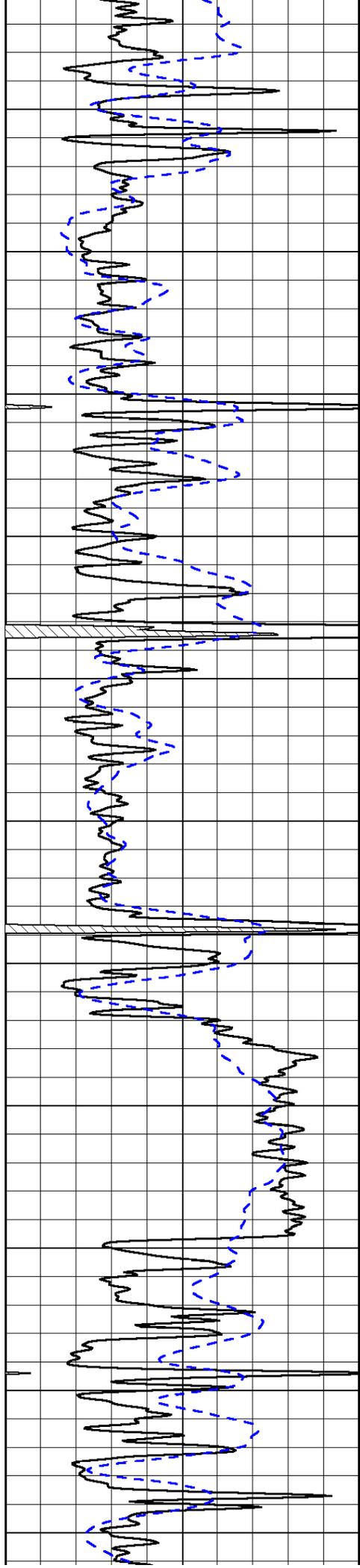


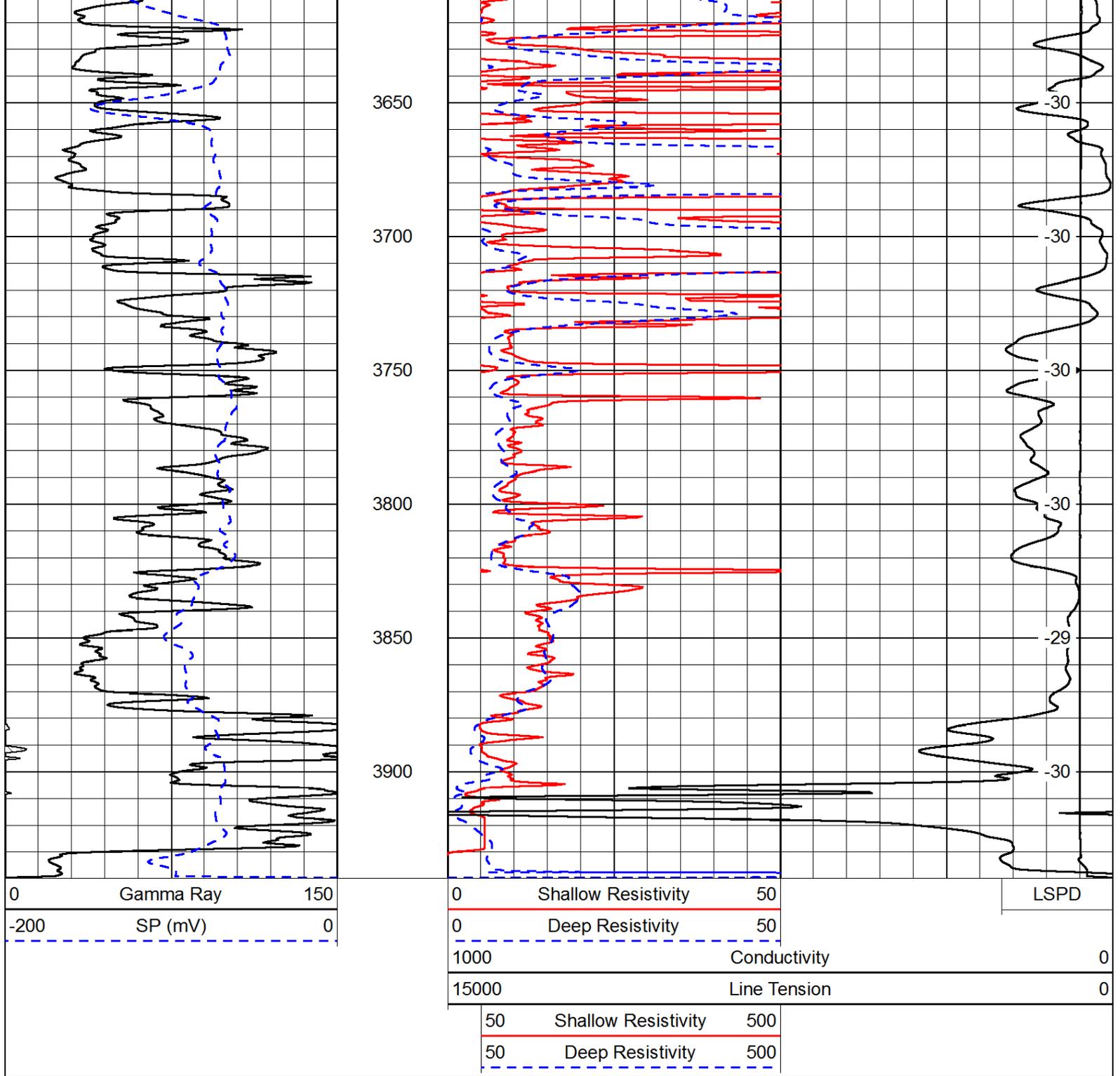




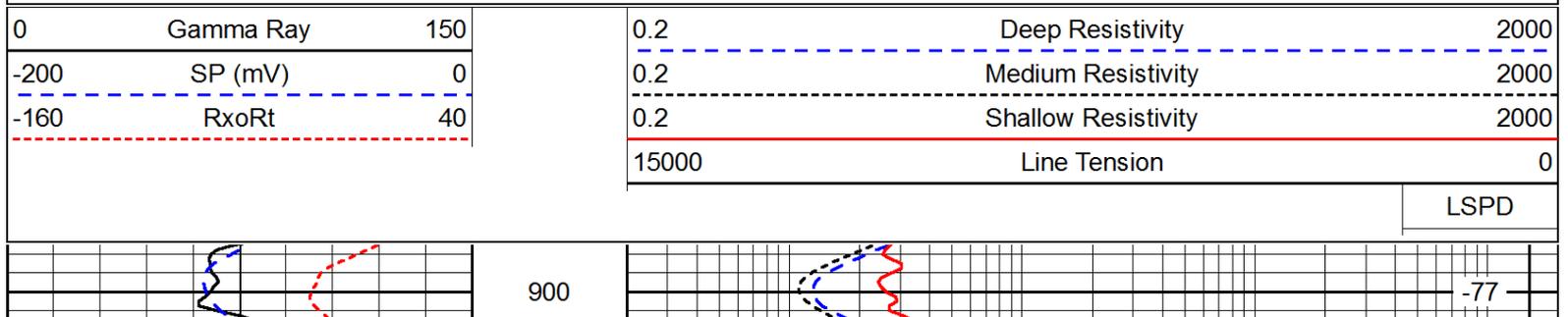


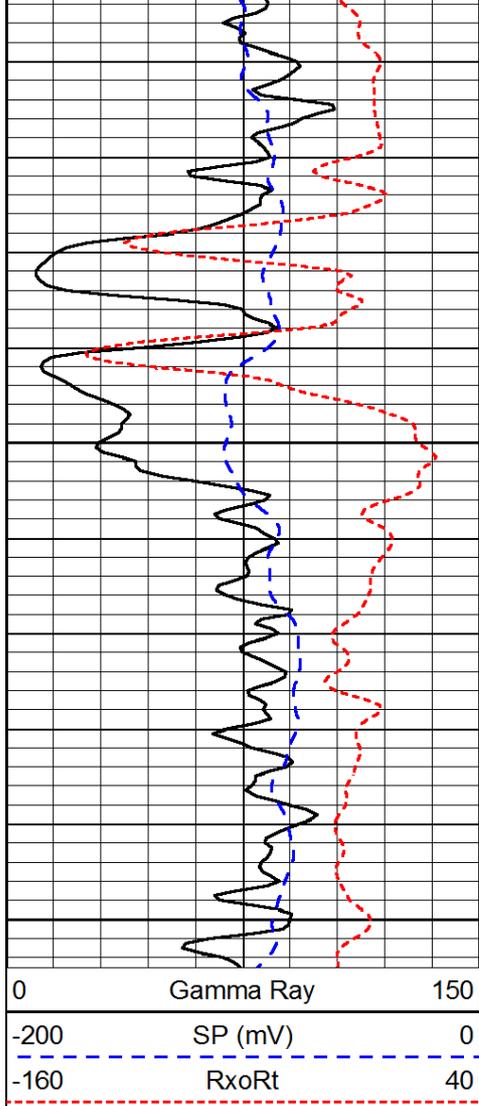






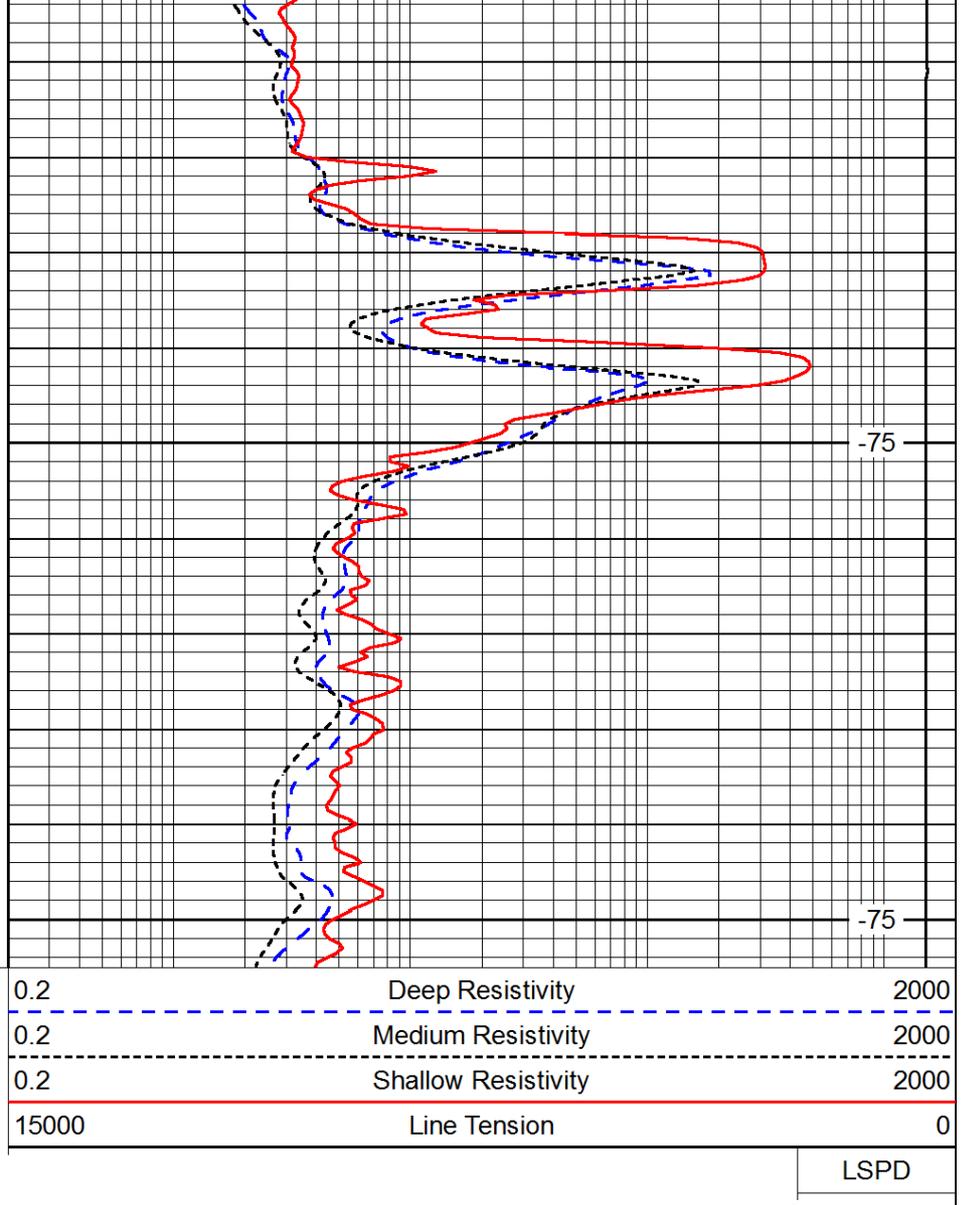
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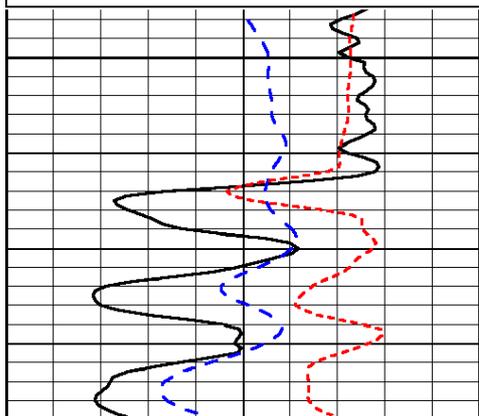
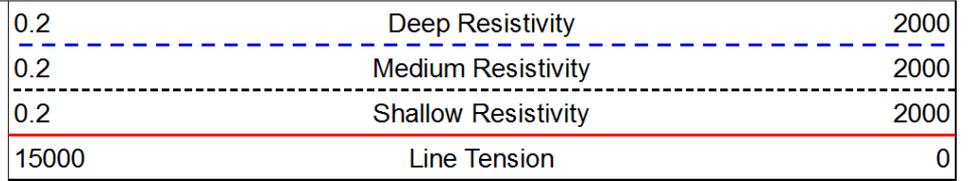
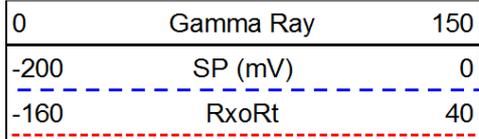
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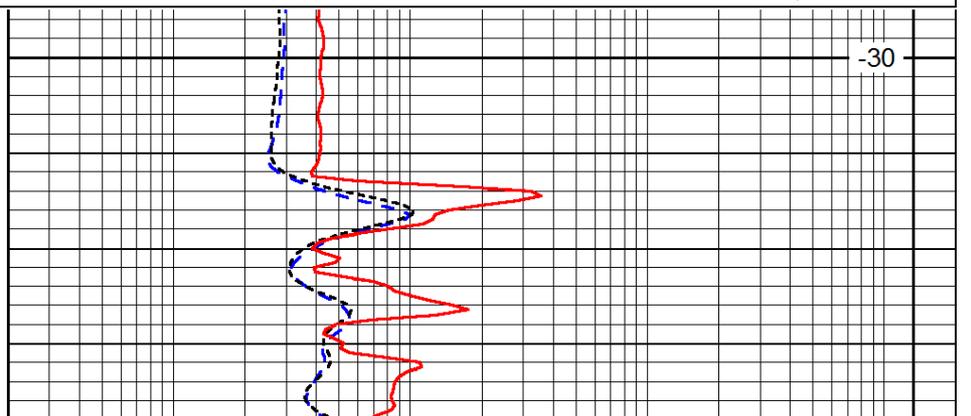
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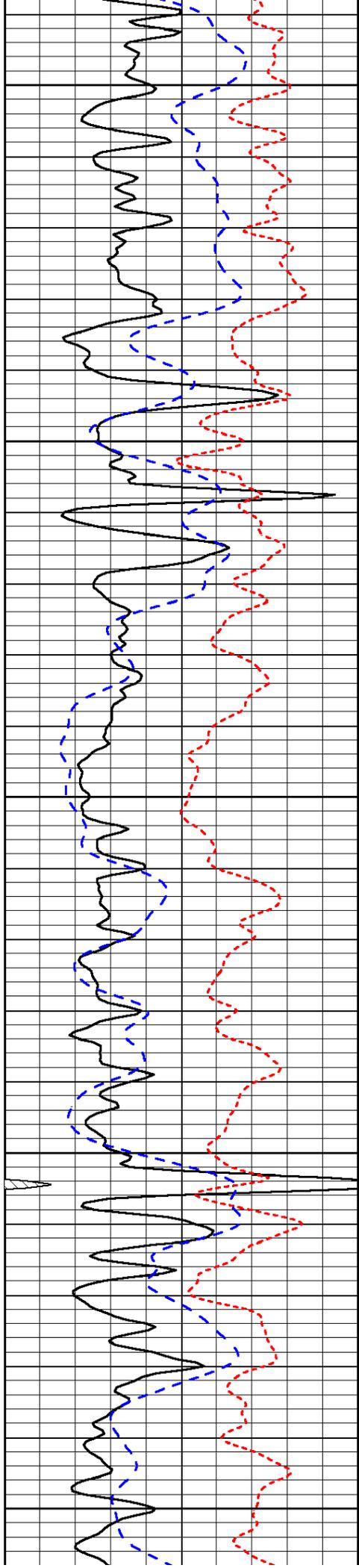
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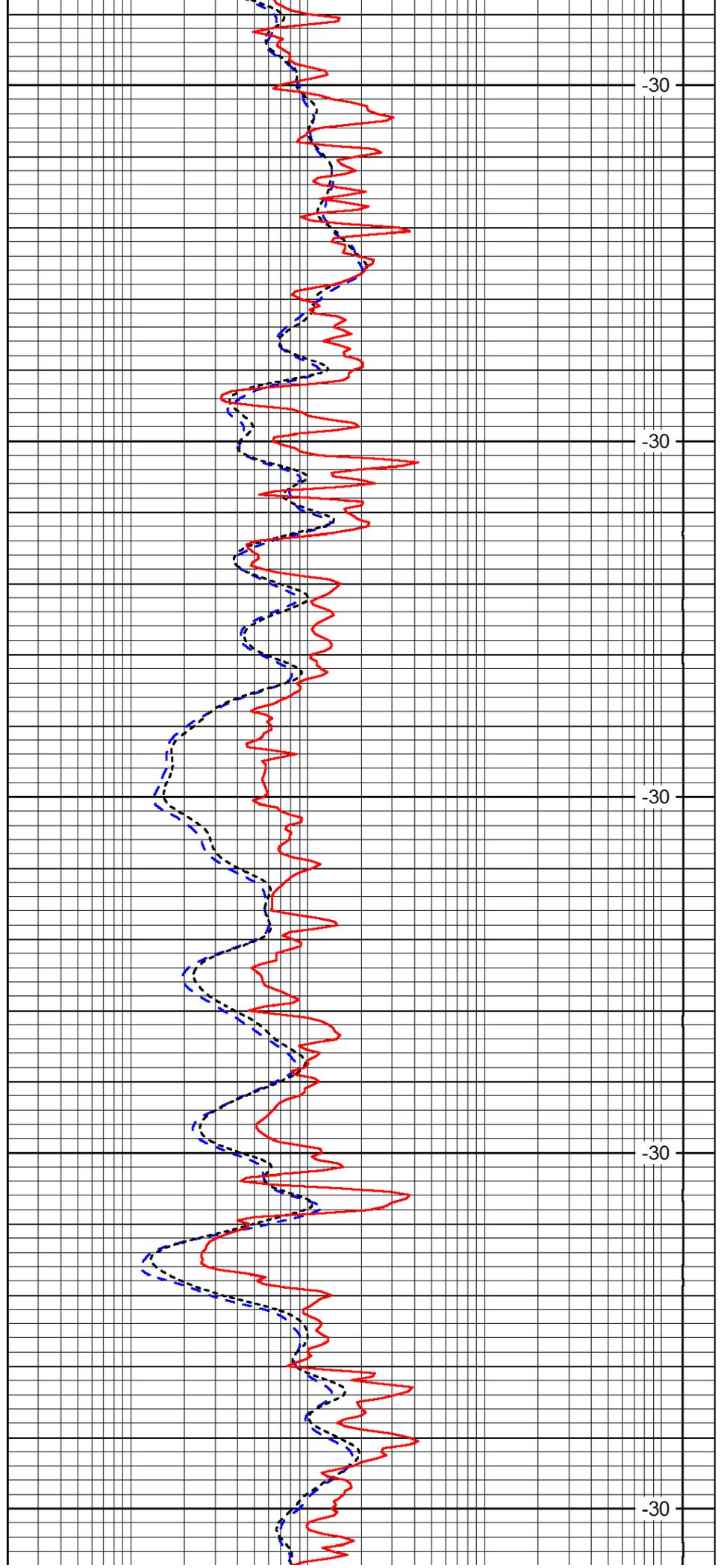
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3100

3150

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3250



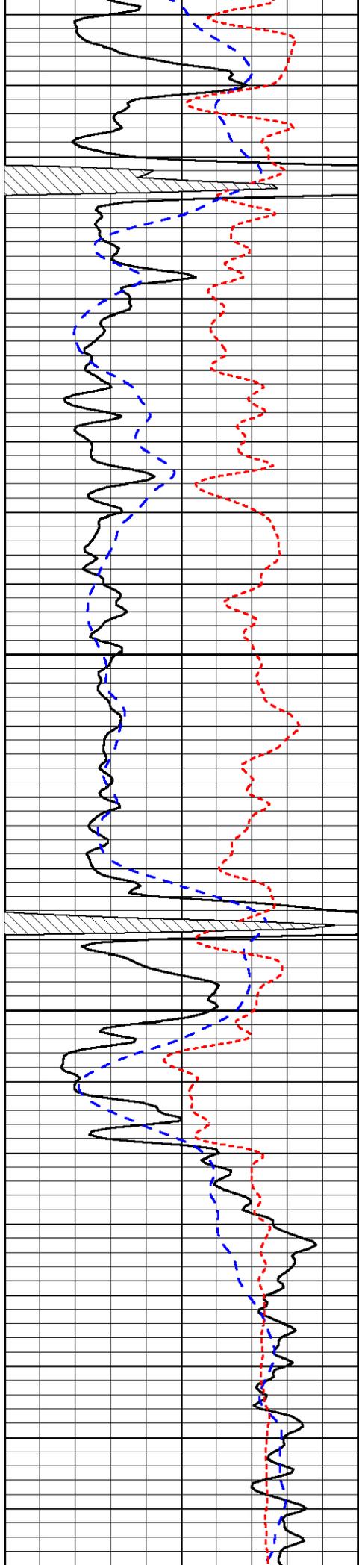
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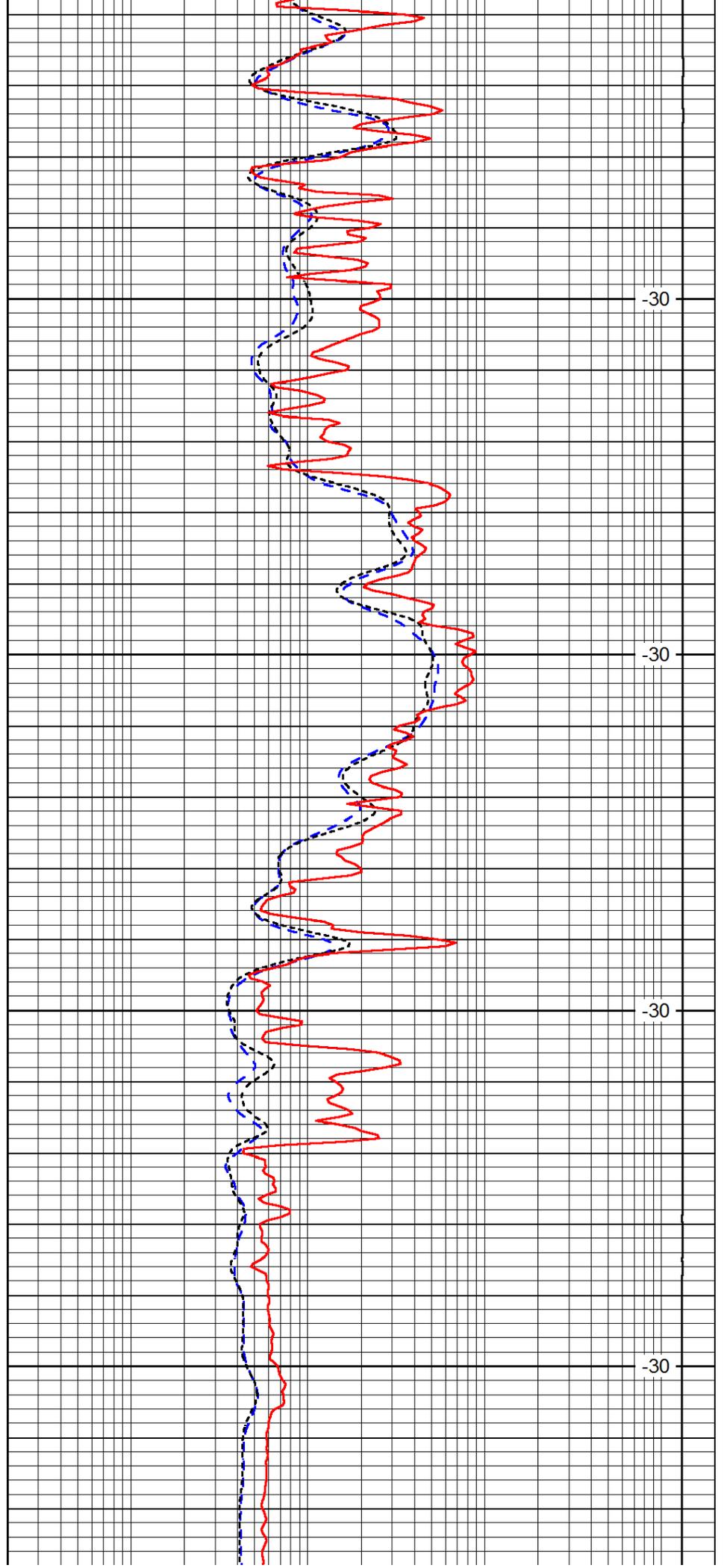


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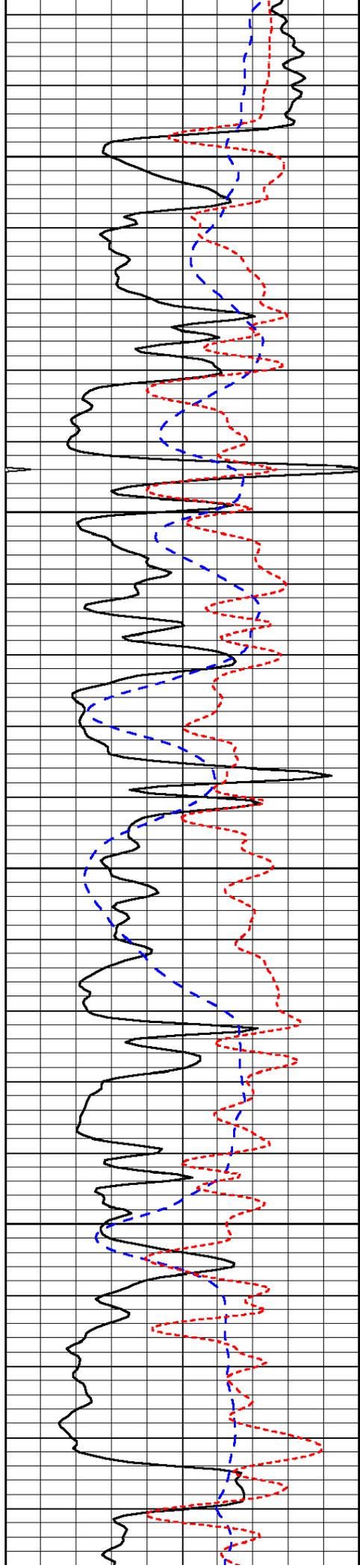


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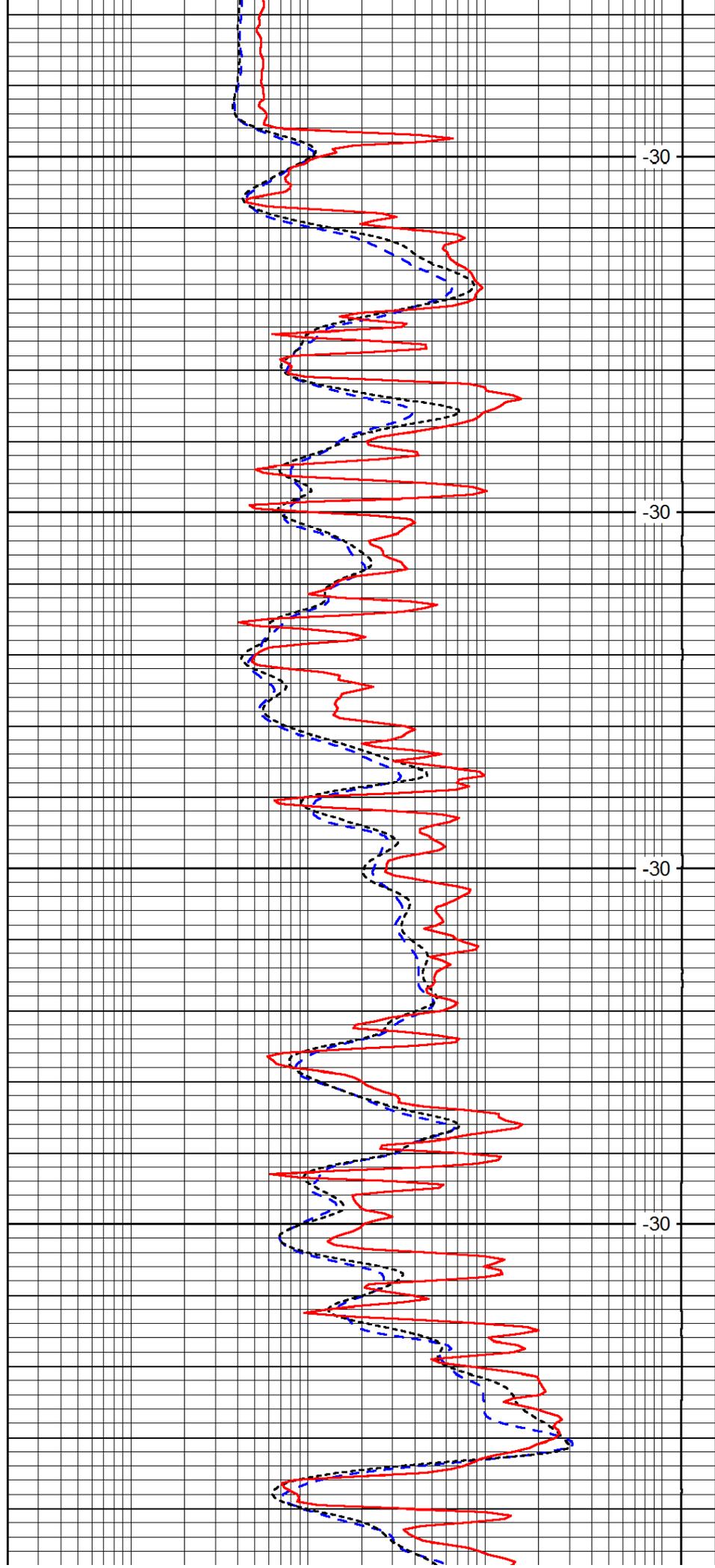


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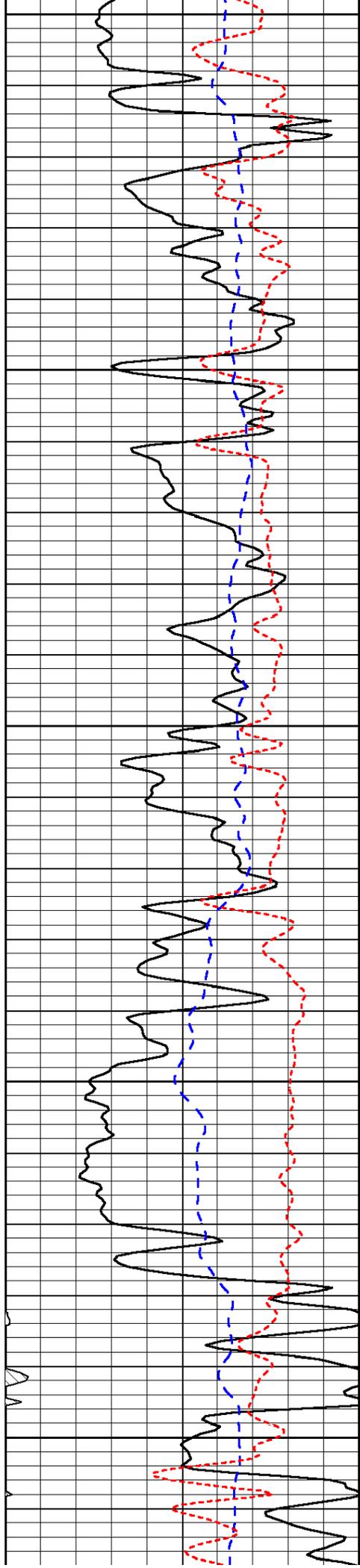


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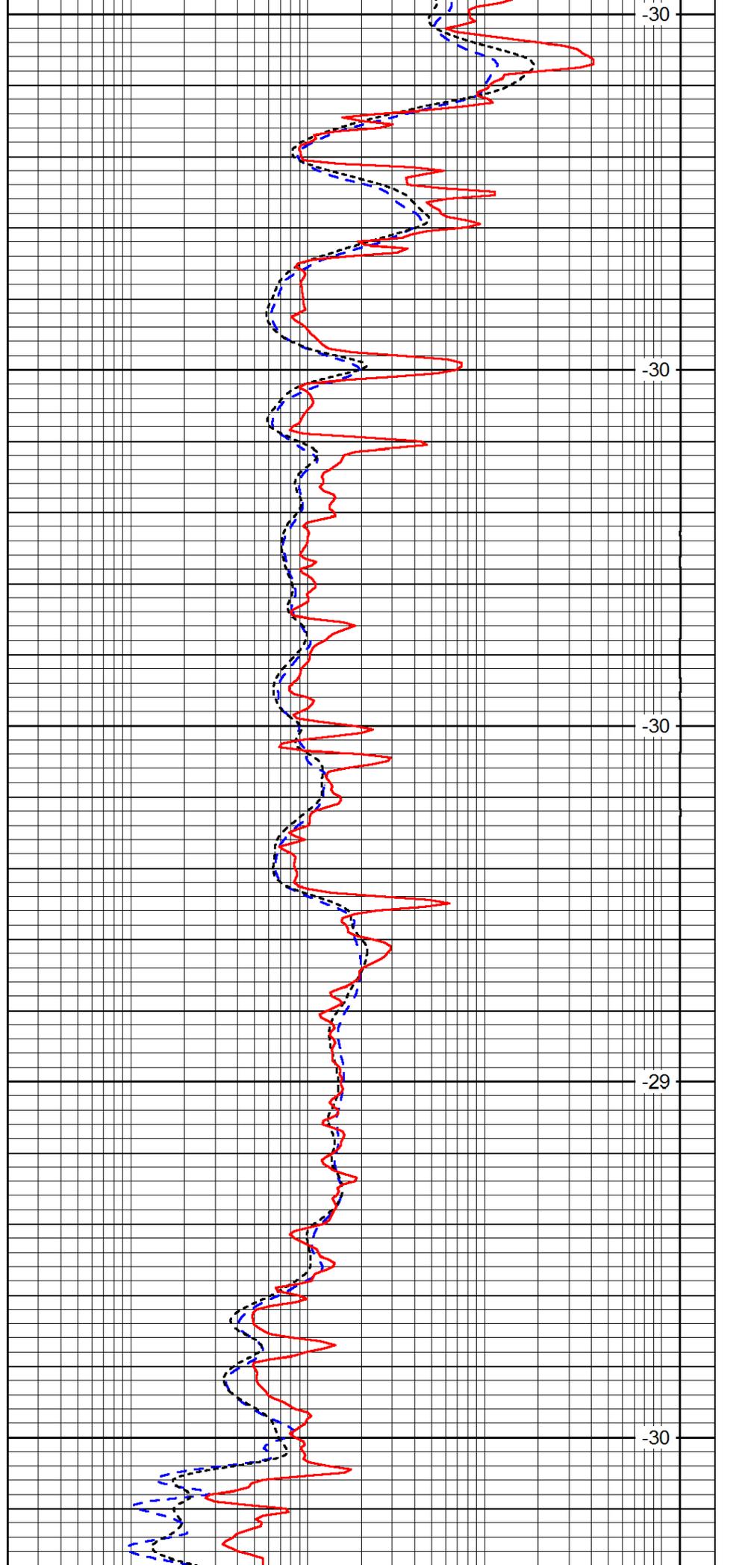
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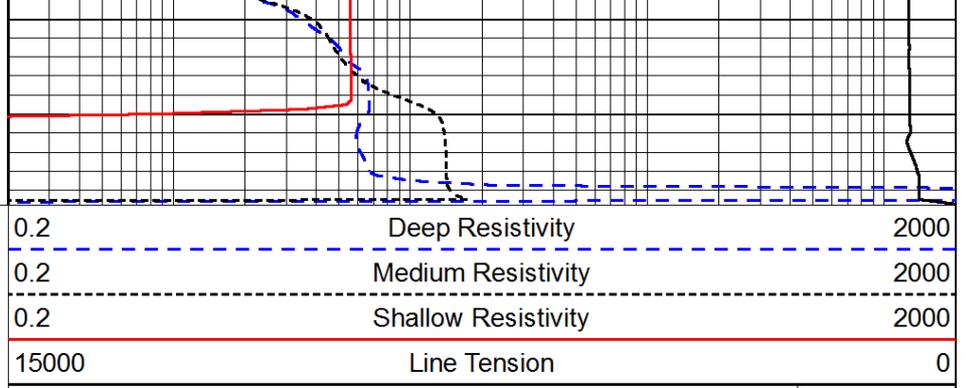
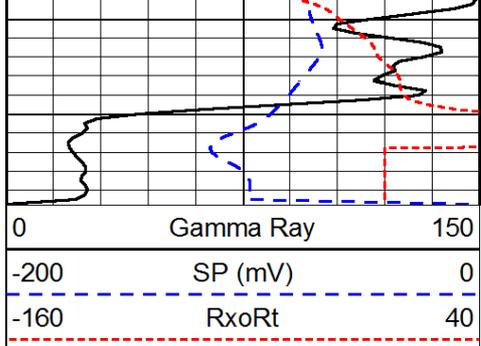
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