



Dual Induction Log

Pioneer Energy Services

API No.		Company Hess Oil Company	
15-101-22,520-00-00		Well Helen #1	
Field		County Lane State Kansas	
Location		1786' FSL & 1000' FEL	
Sec: 23 Twp: 16S Rge: 27W		Other Services CNL/CDL	
Permanent Datum Ground Level		Elevation 2692	
Log Measured From Kelly Bushing		11 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 2703 D.F. 2692 G.L. 2692	
Date	6/28/2014		
Run Number	One		
Depth Driller	4650		
Depth Logger	4652		
Bottom Logged Interval	4651		
Top Log Interval	200		
Casing Driller	8.625 @ 225		
Casing Logger	222		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2,300		
Density / Viscosity	9.1 48		
pH / Fluid Loss	8.5 12.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.9 @ 65		
Rmf @ Meas. Temp	.68 @ 65		
Rmc @ Meas. Temp	1.22 @ 65		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.48 @ 123		
Operating Rig Time	2 1/2 Hours		
Max Rec. Temp. F	123		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	David Gould		

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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

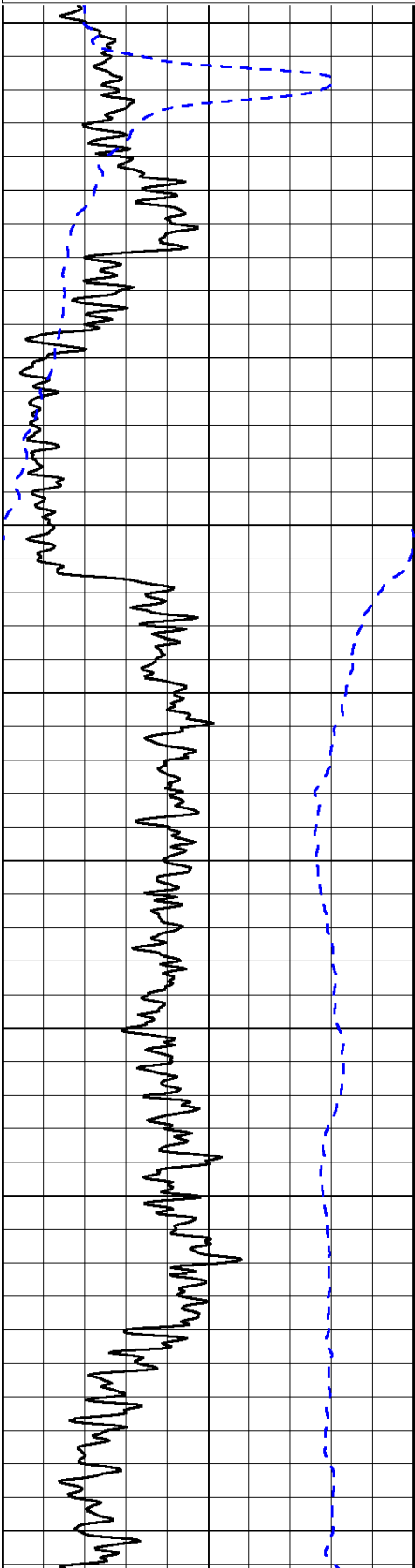
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Utica KS, 5 W to Wichita Rd,
1/2 N, W Into

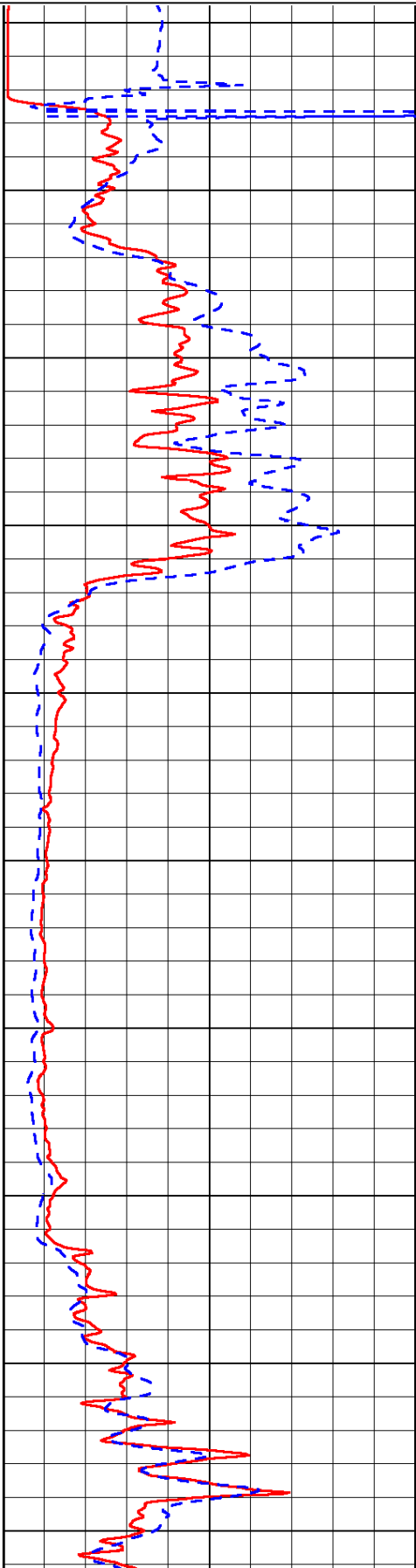
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Presentation Format: dil2in
Dataset Creation: Sat Jun 28 12:34:10 2014
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:500

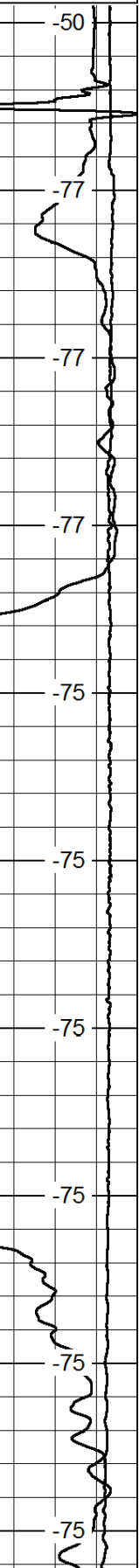
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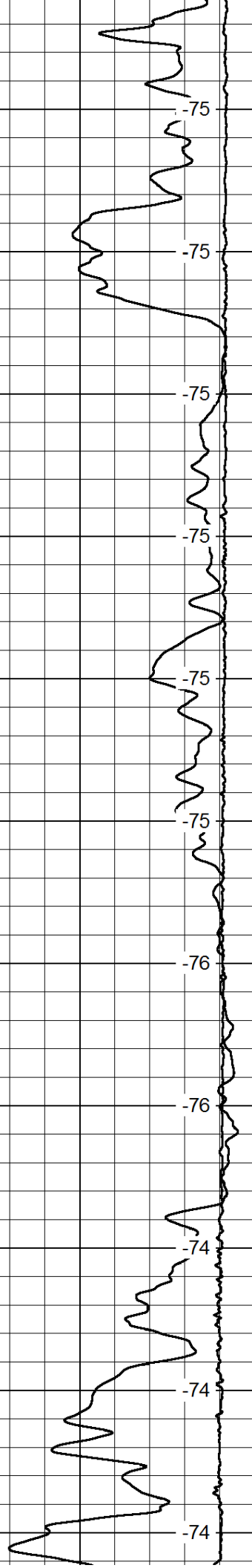
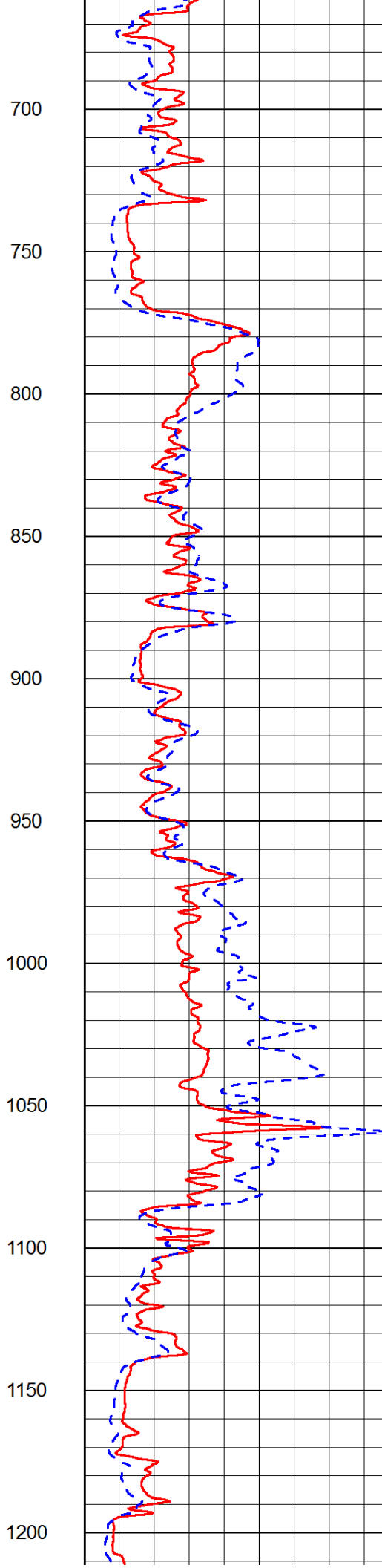
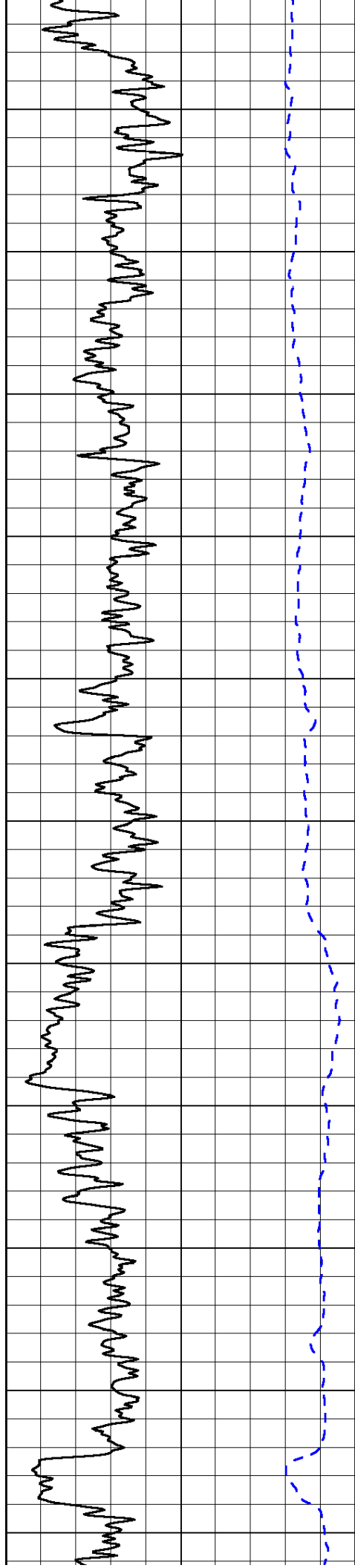


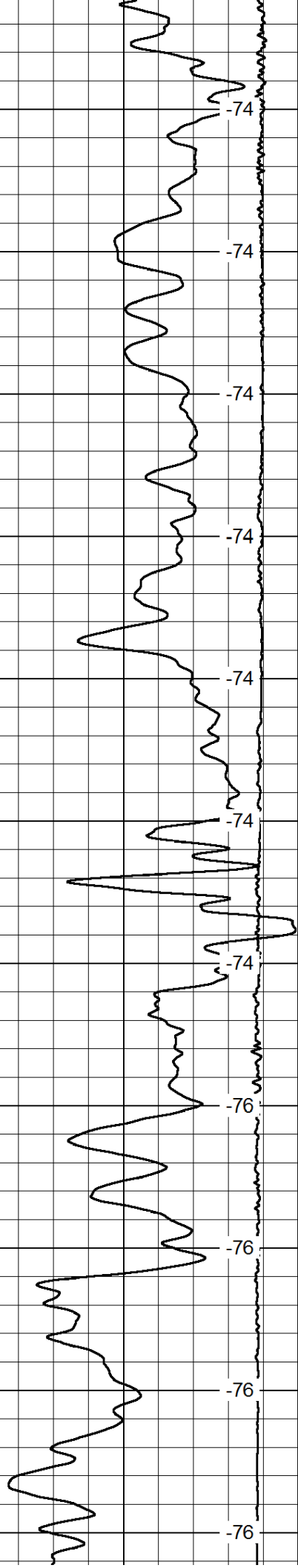
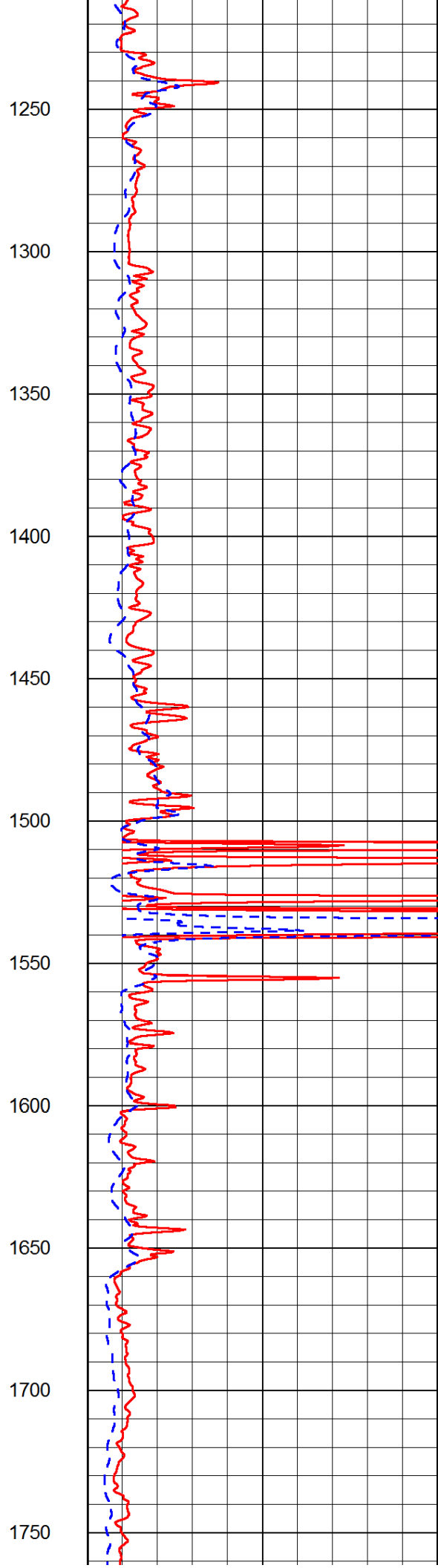
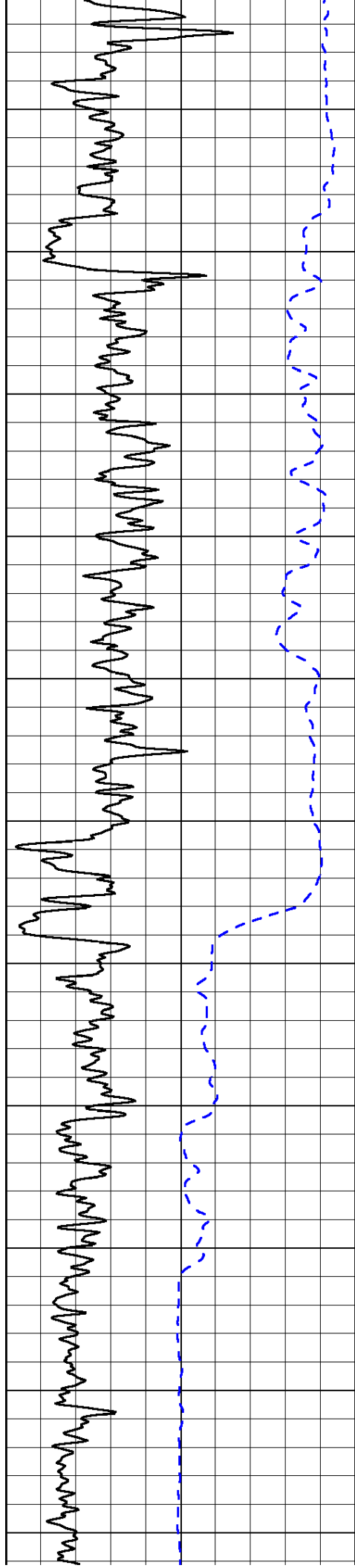
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0	Deep Resistivity	50
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15000	Line Tension	0
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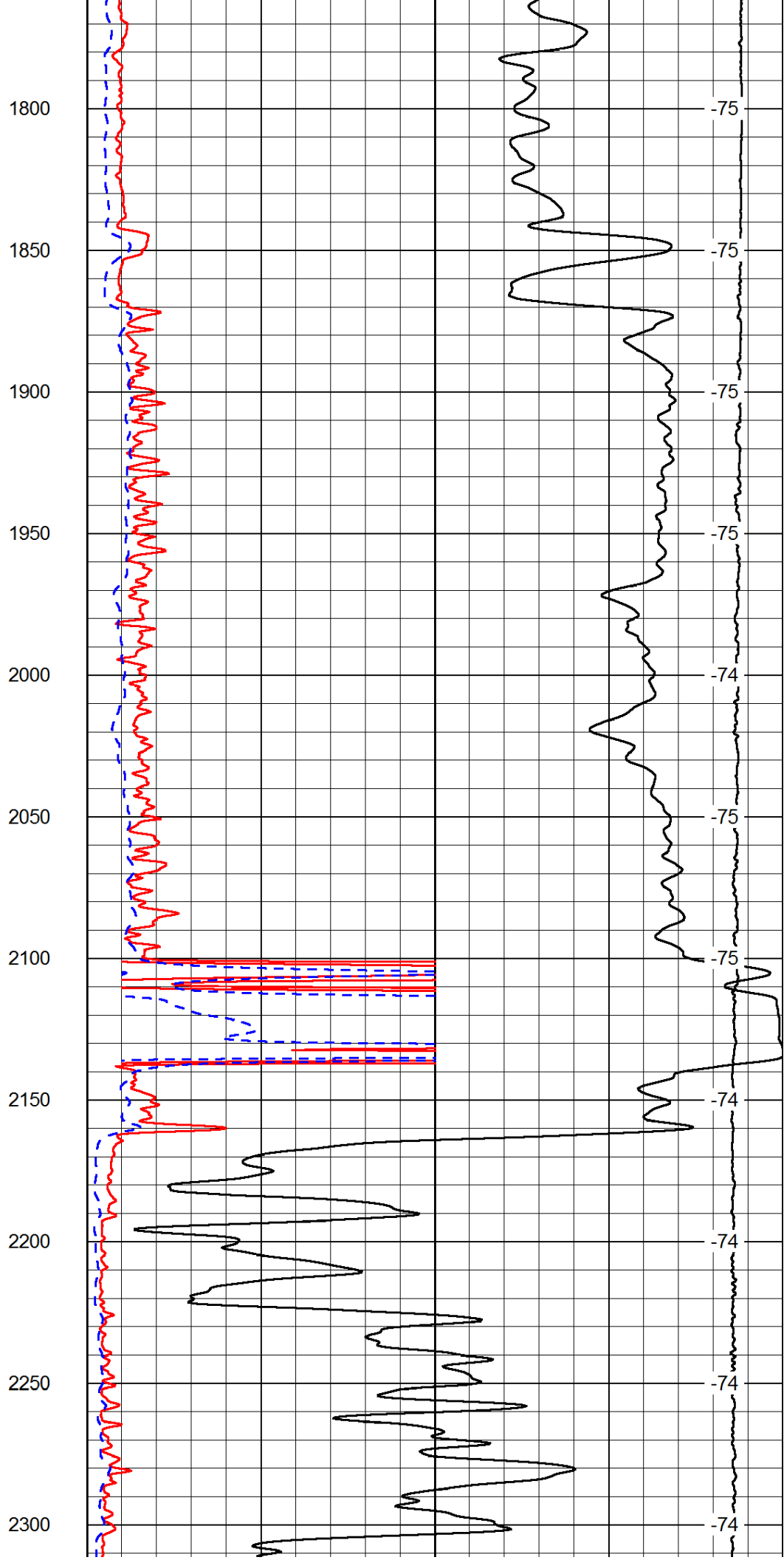
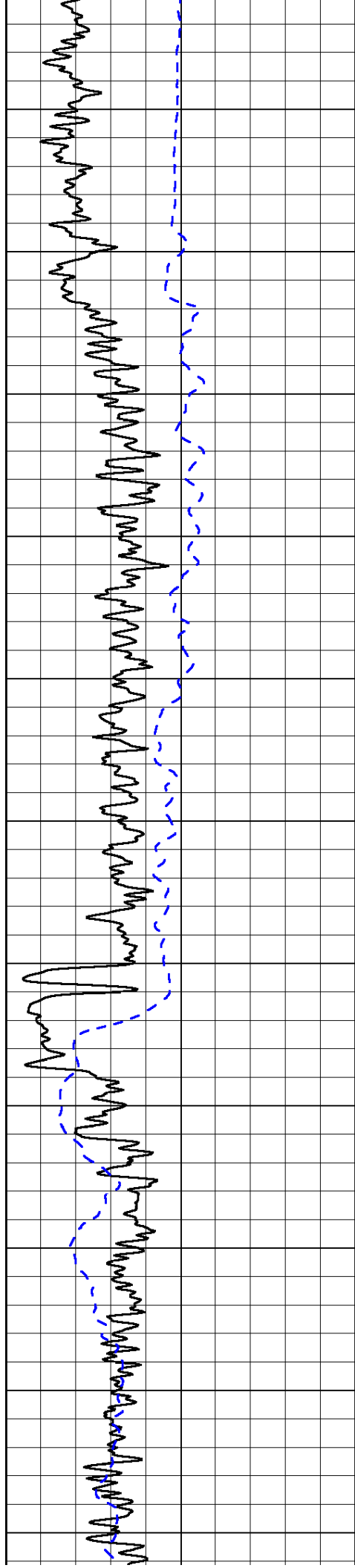


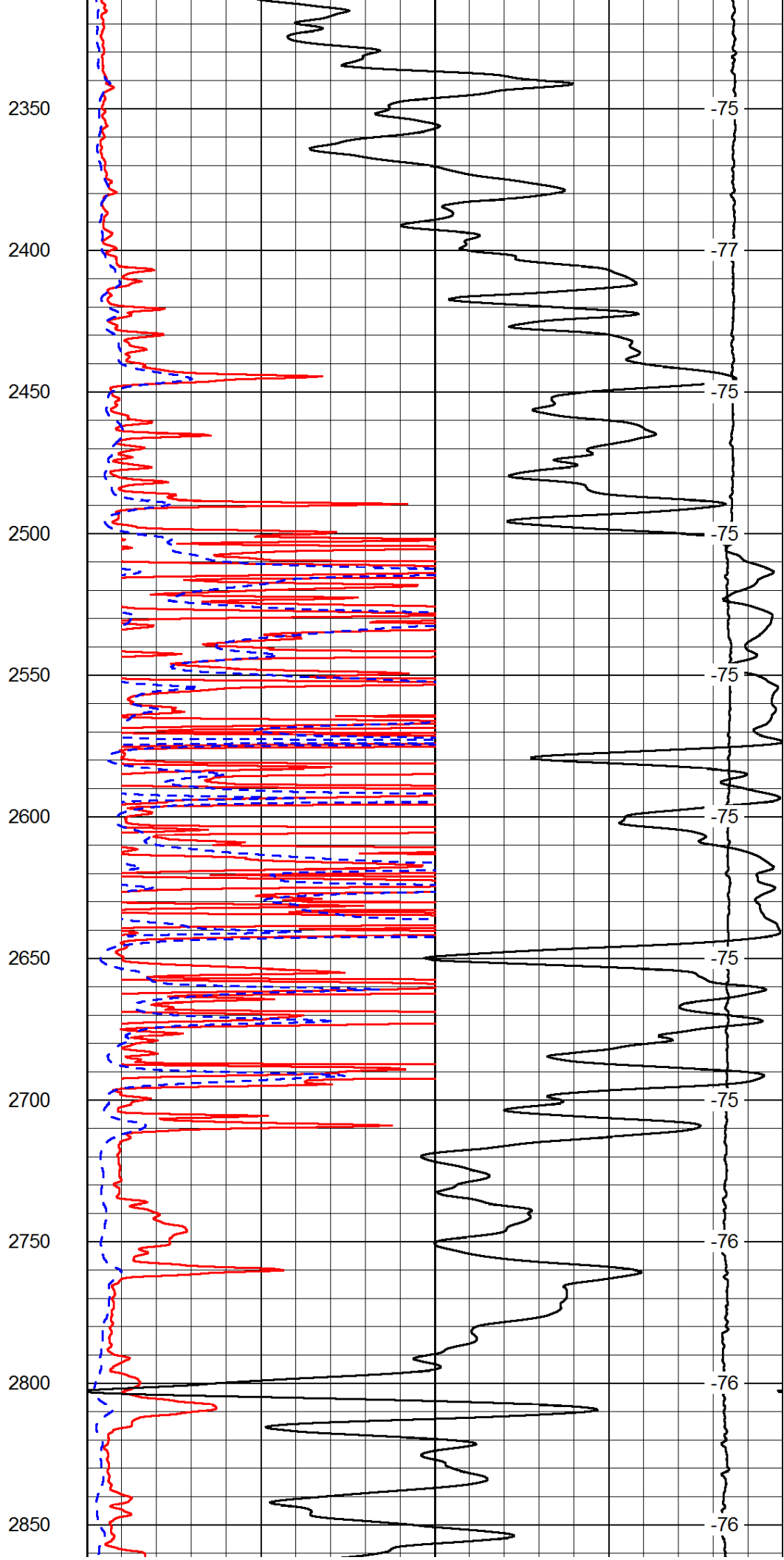
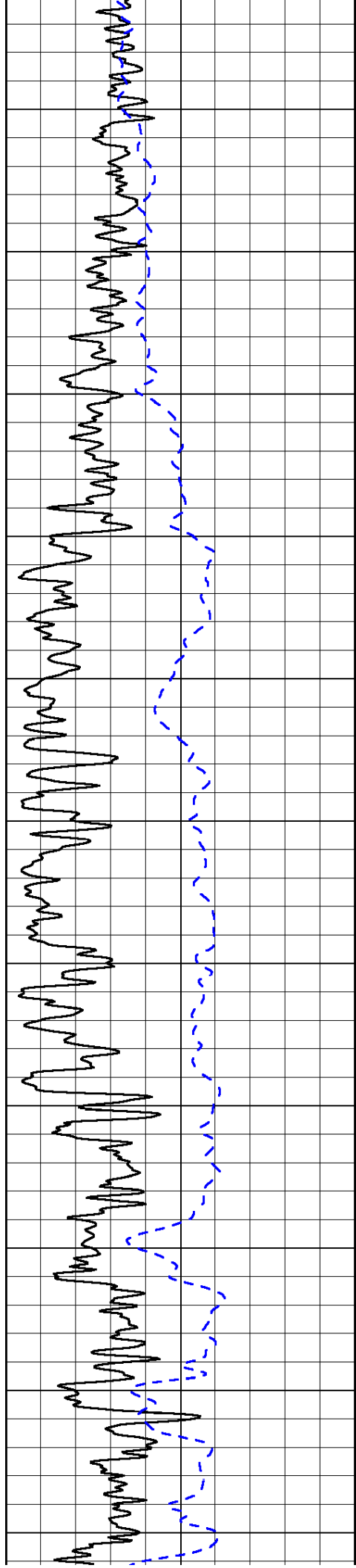
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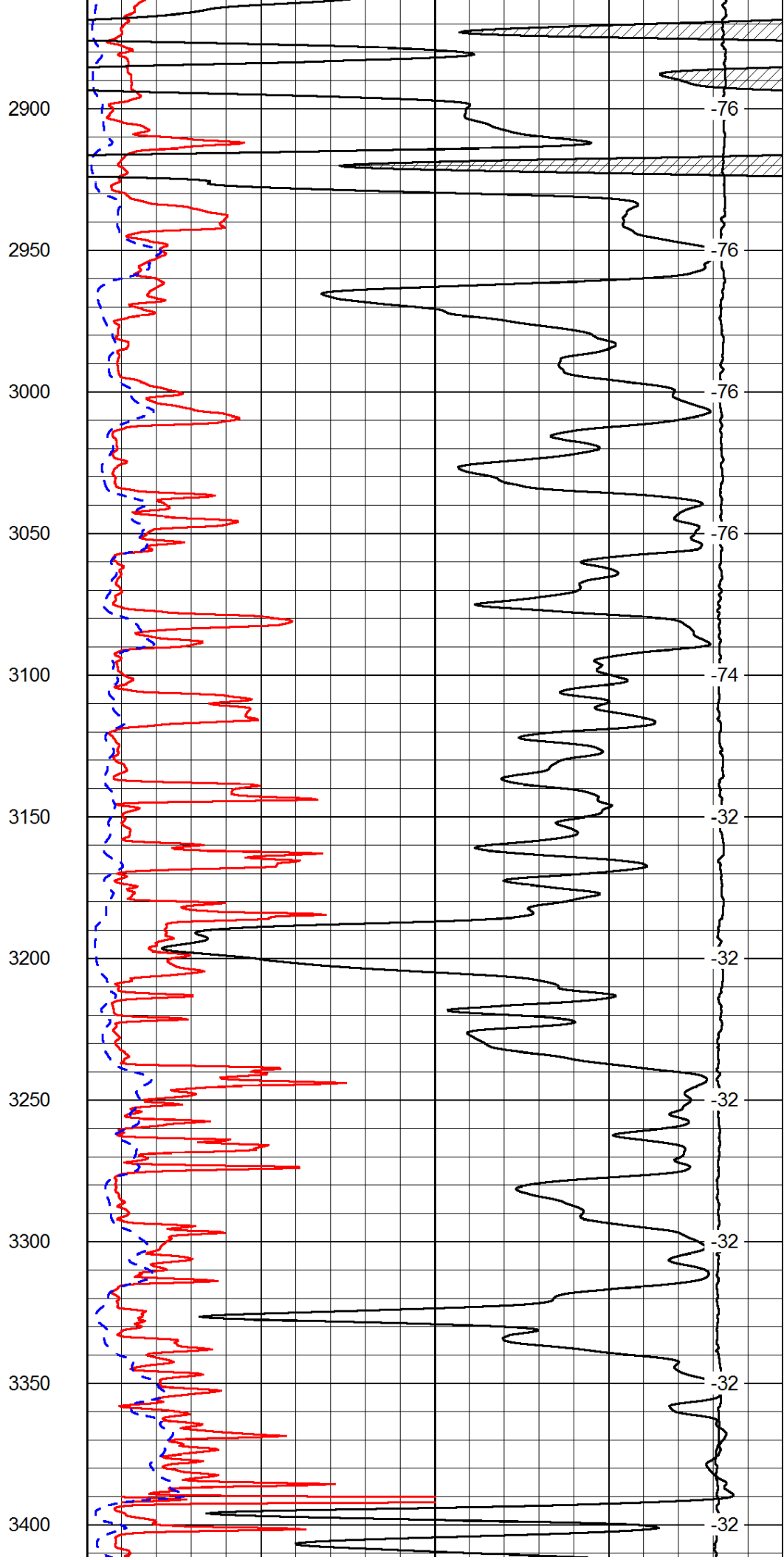
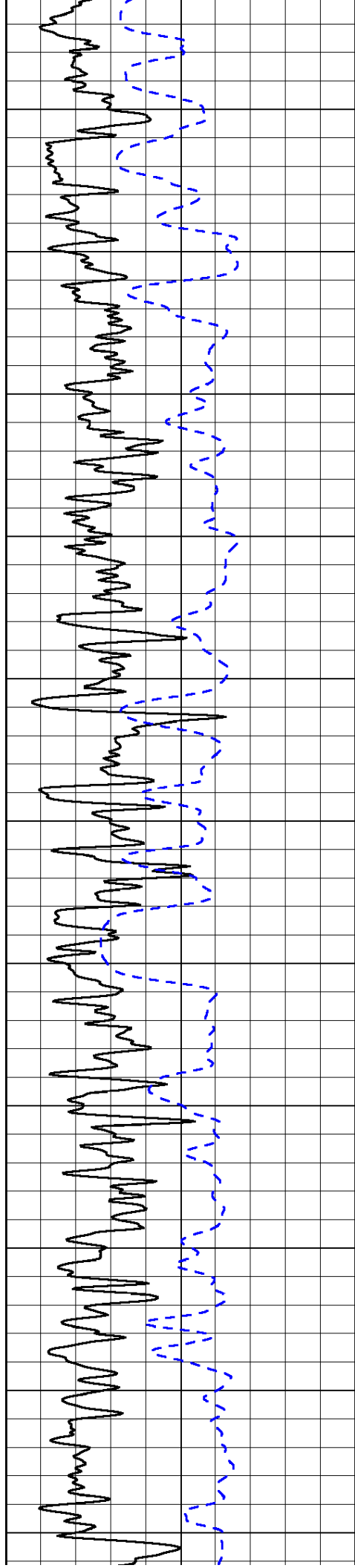


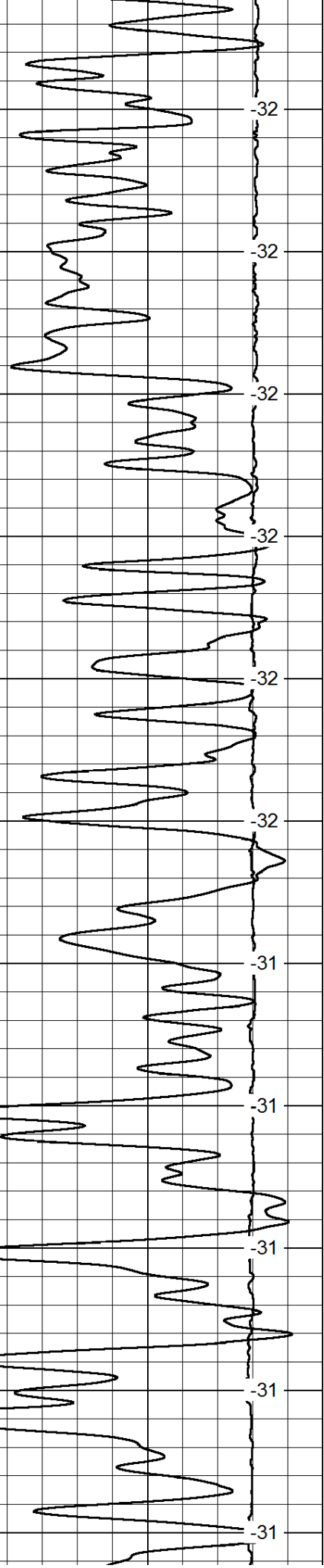
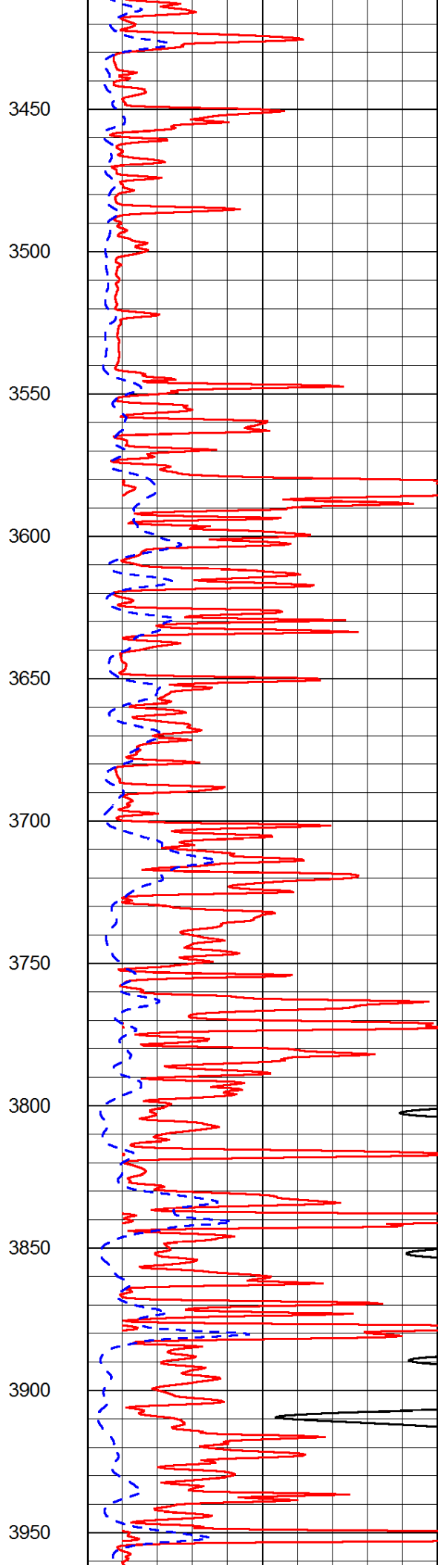
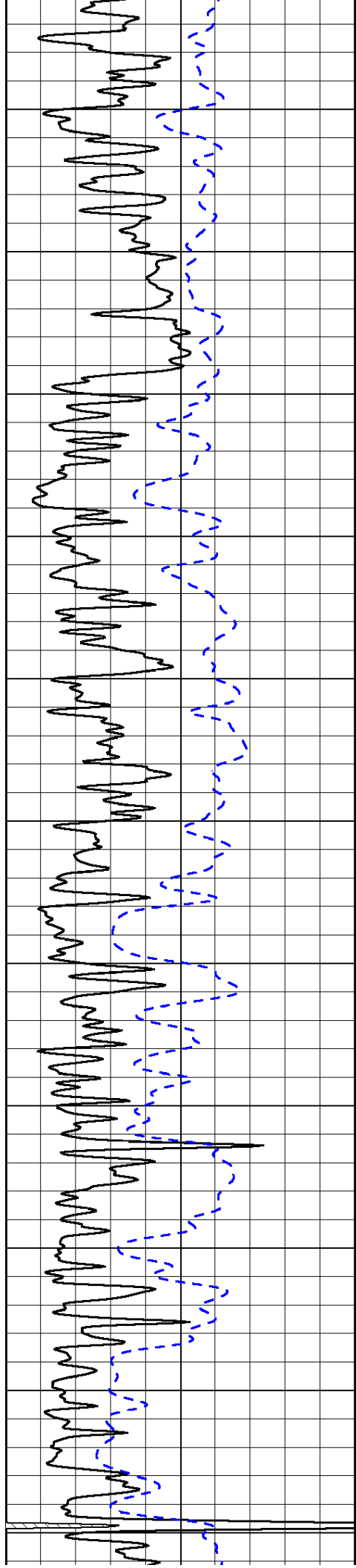


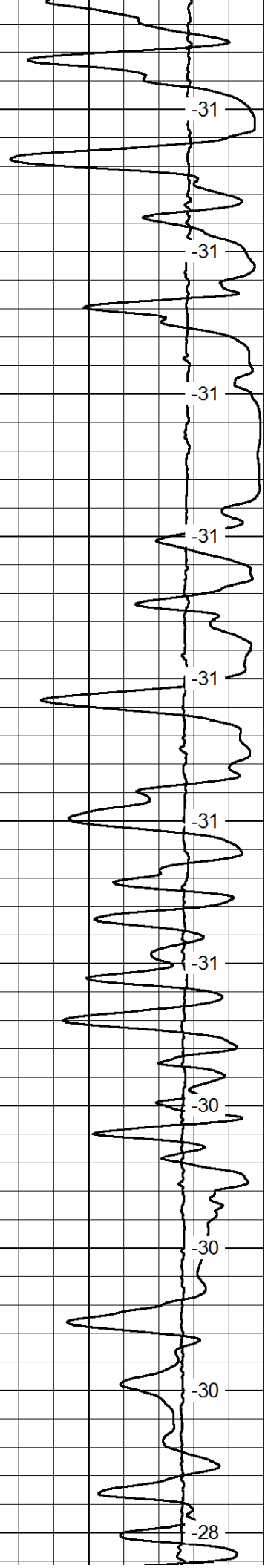
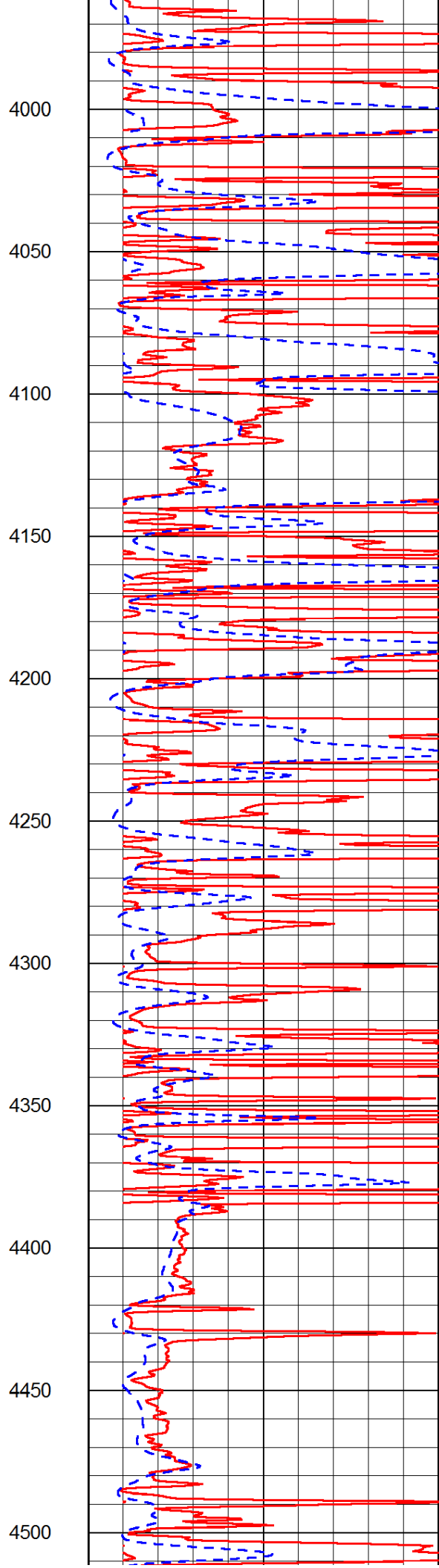
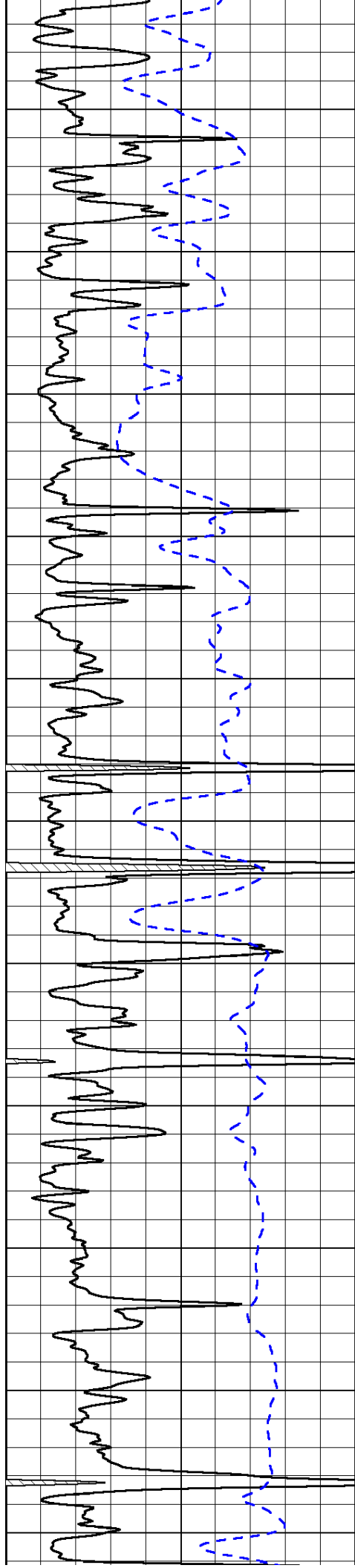


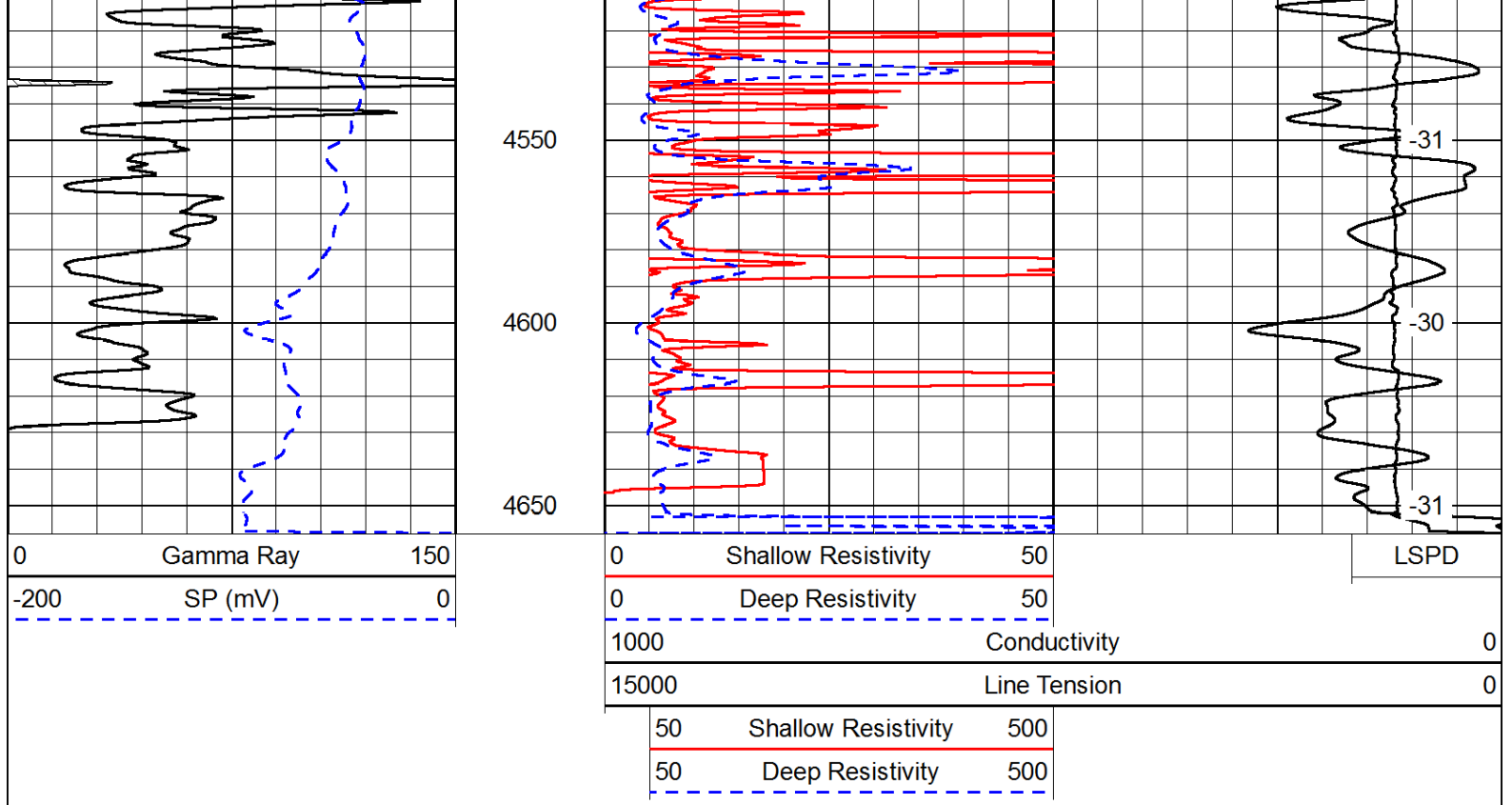




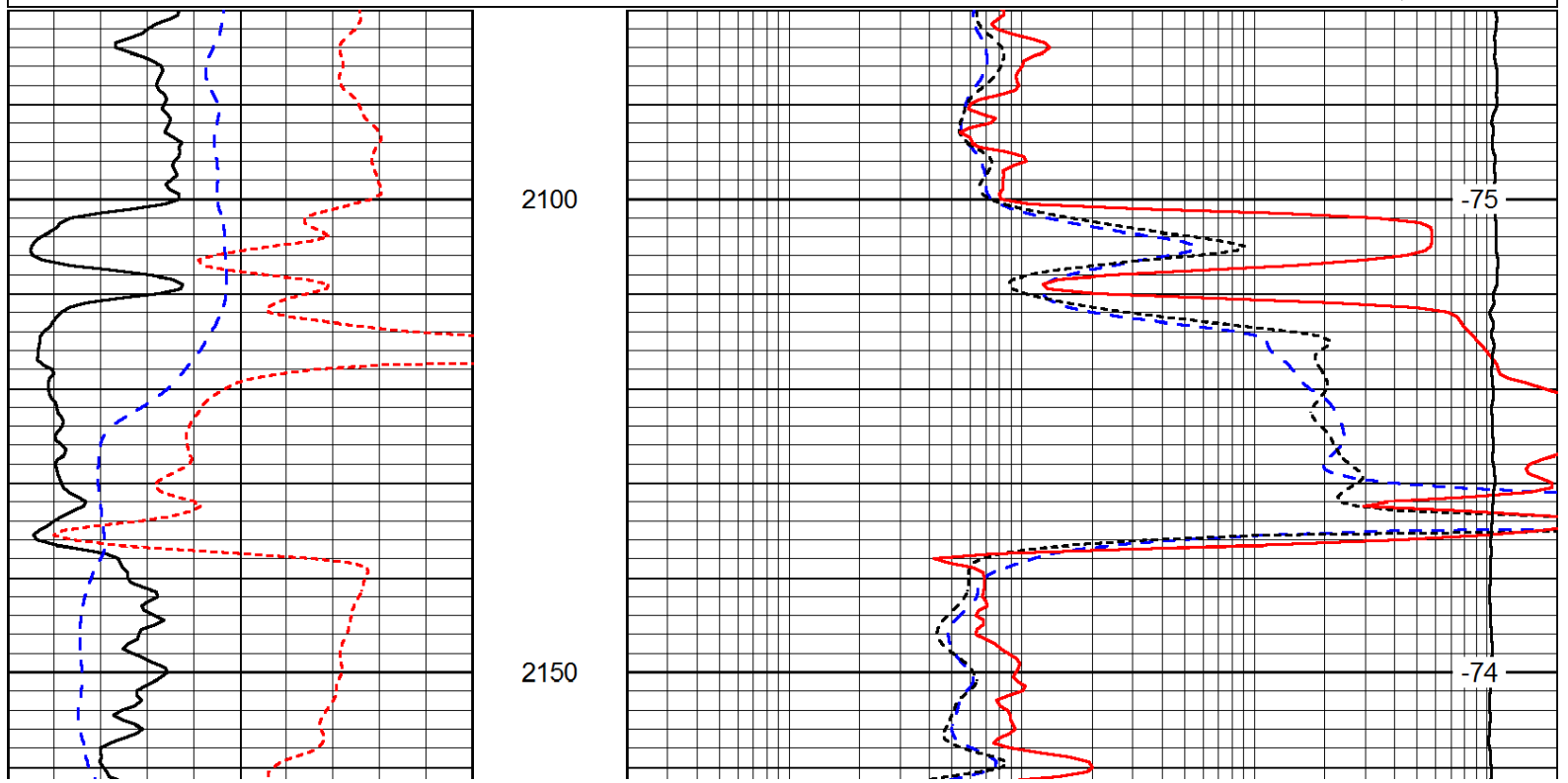
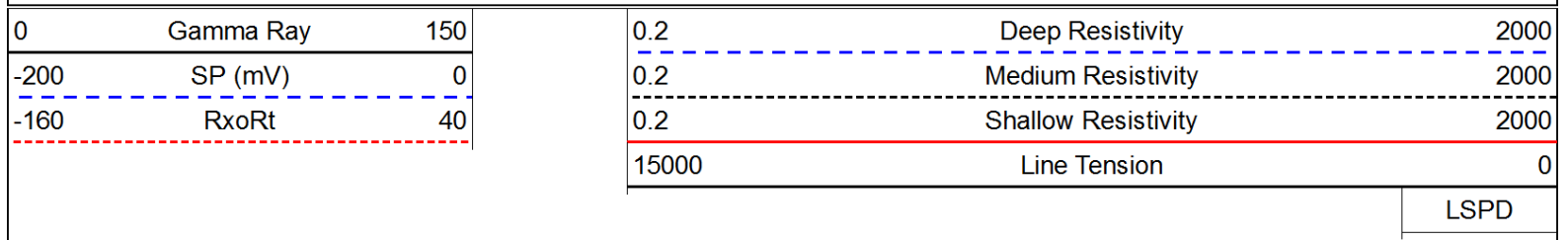


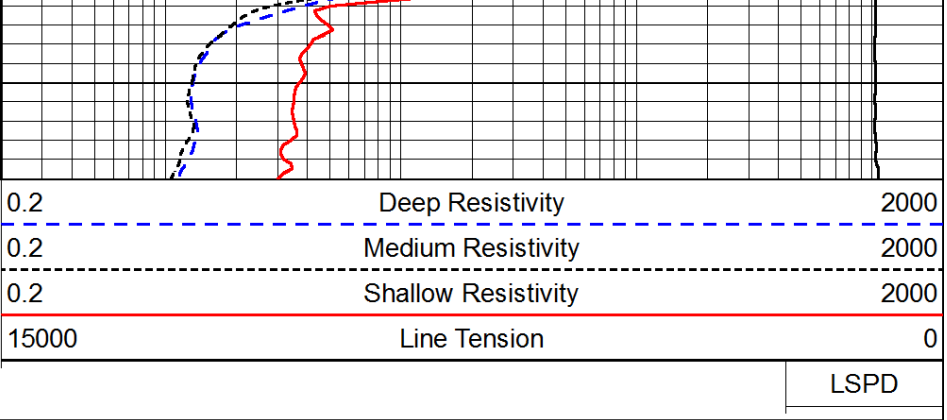
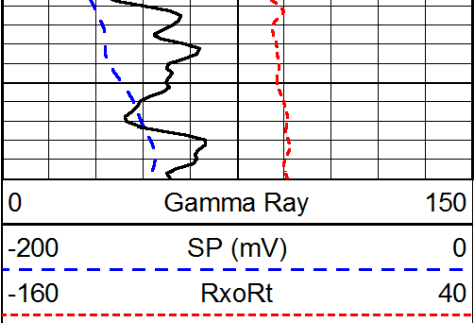




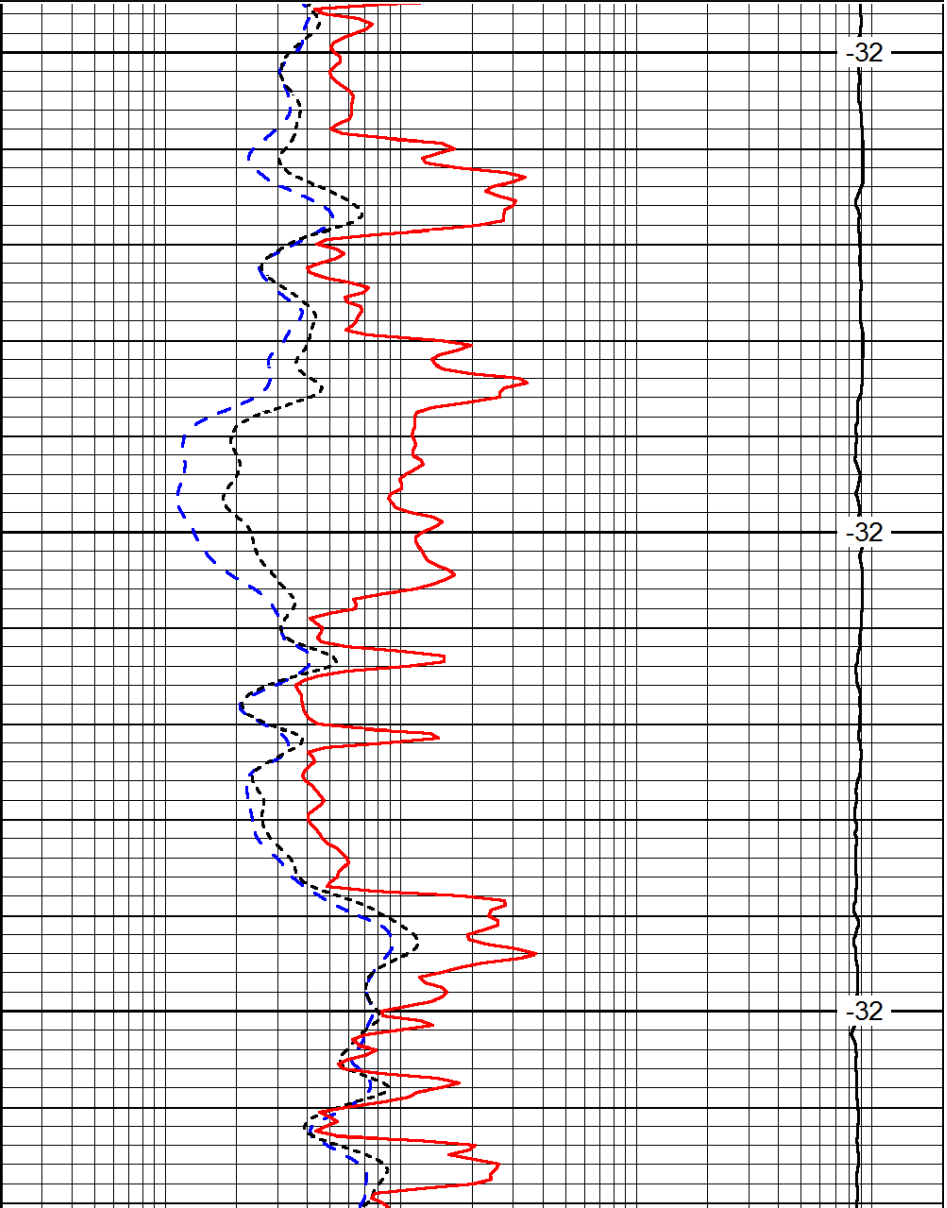
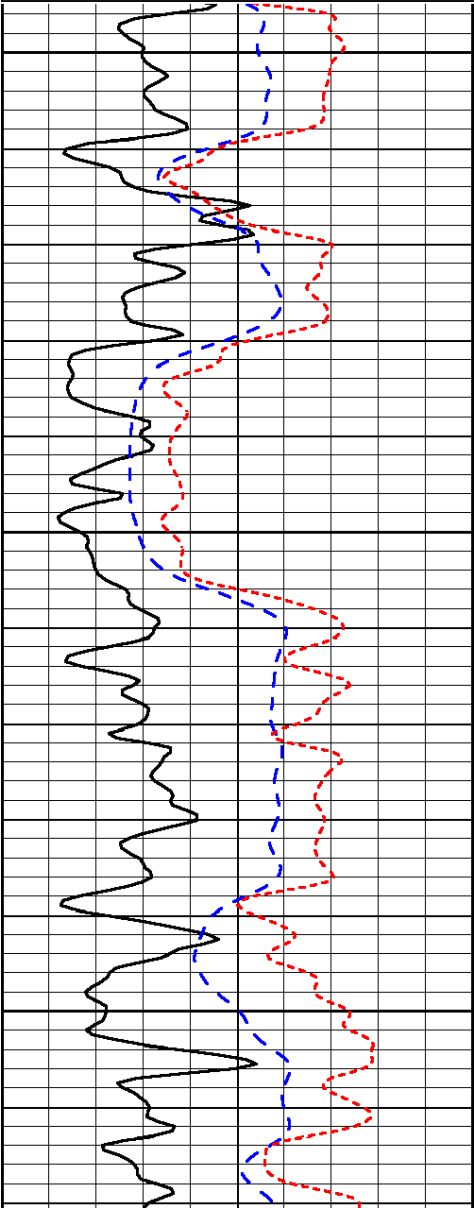
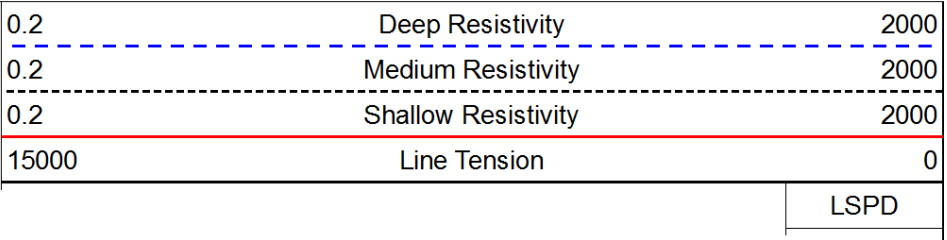
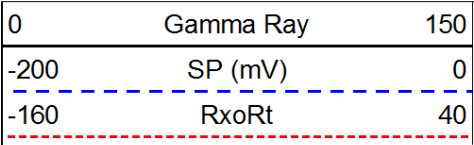


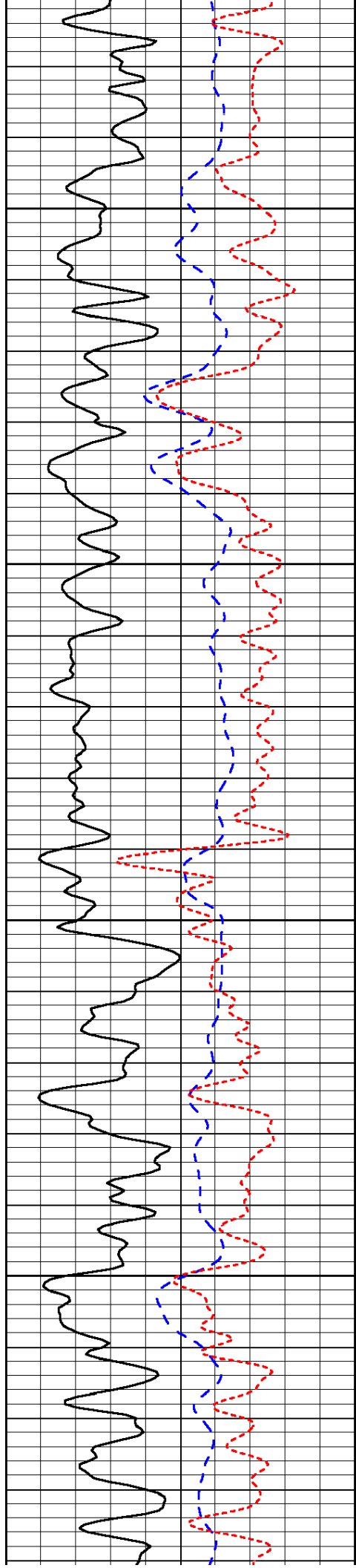
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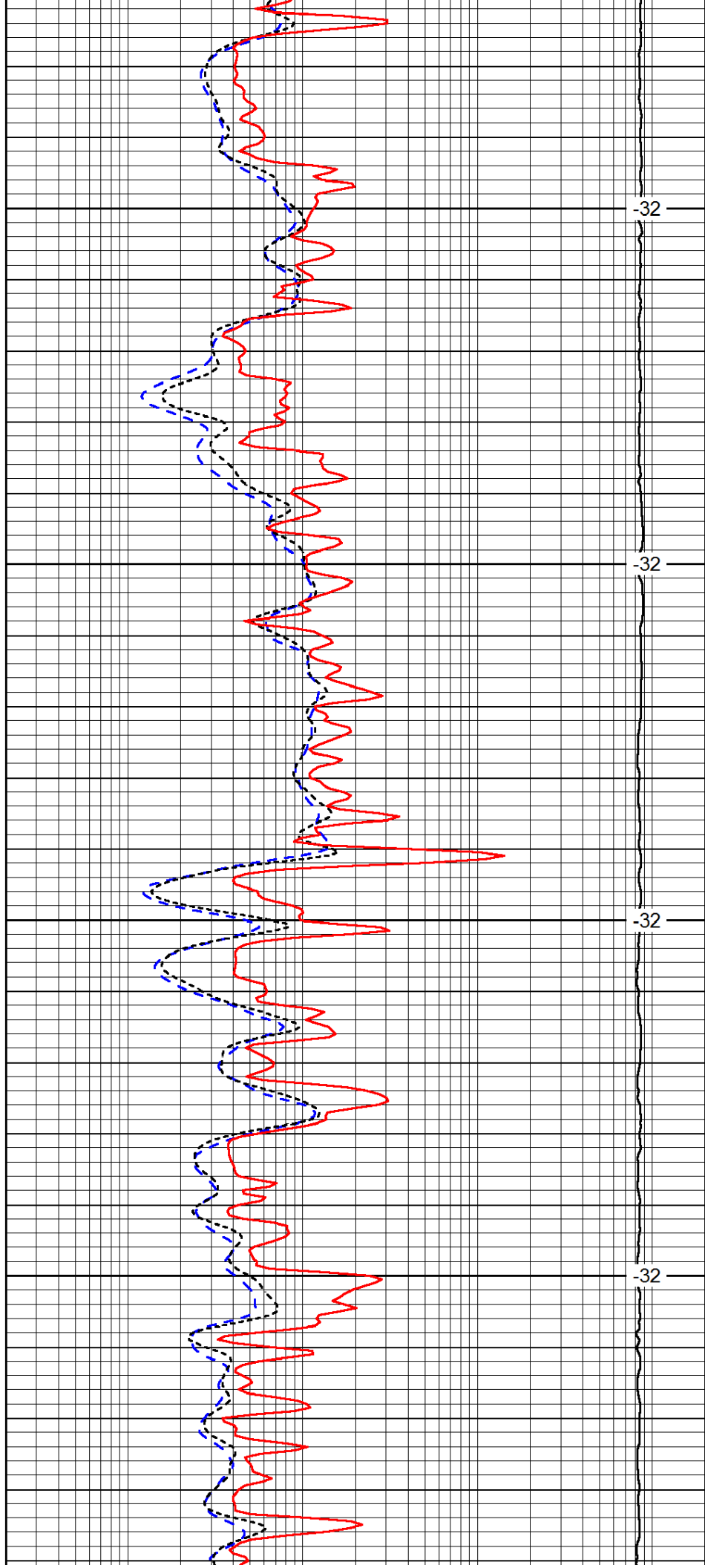


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3400

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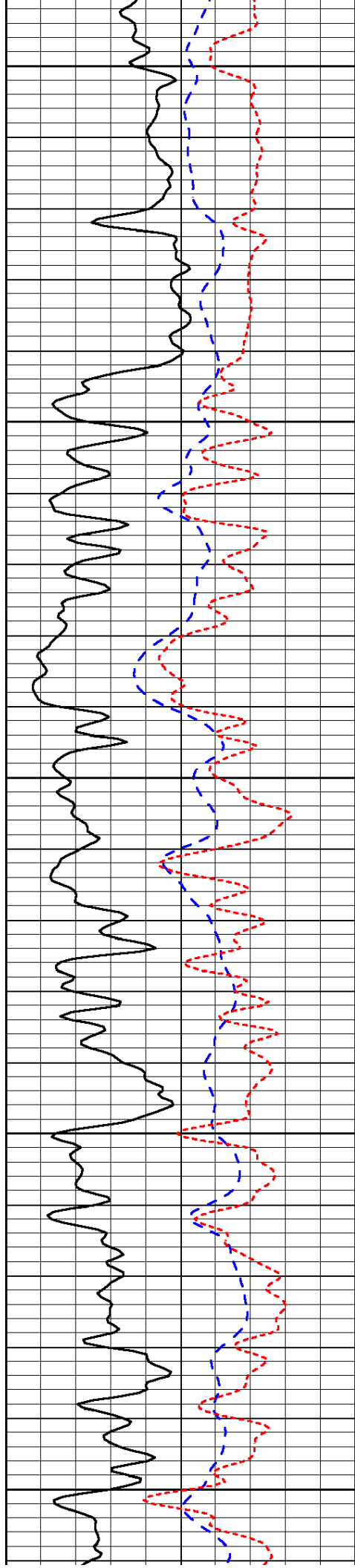


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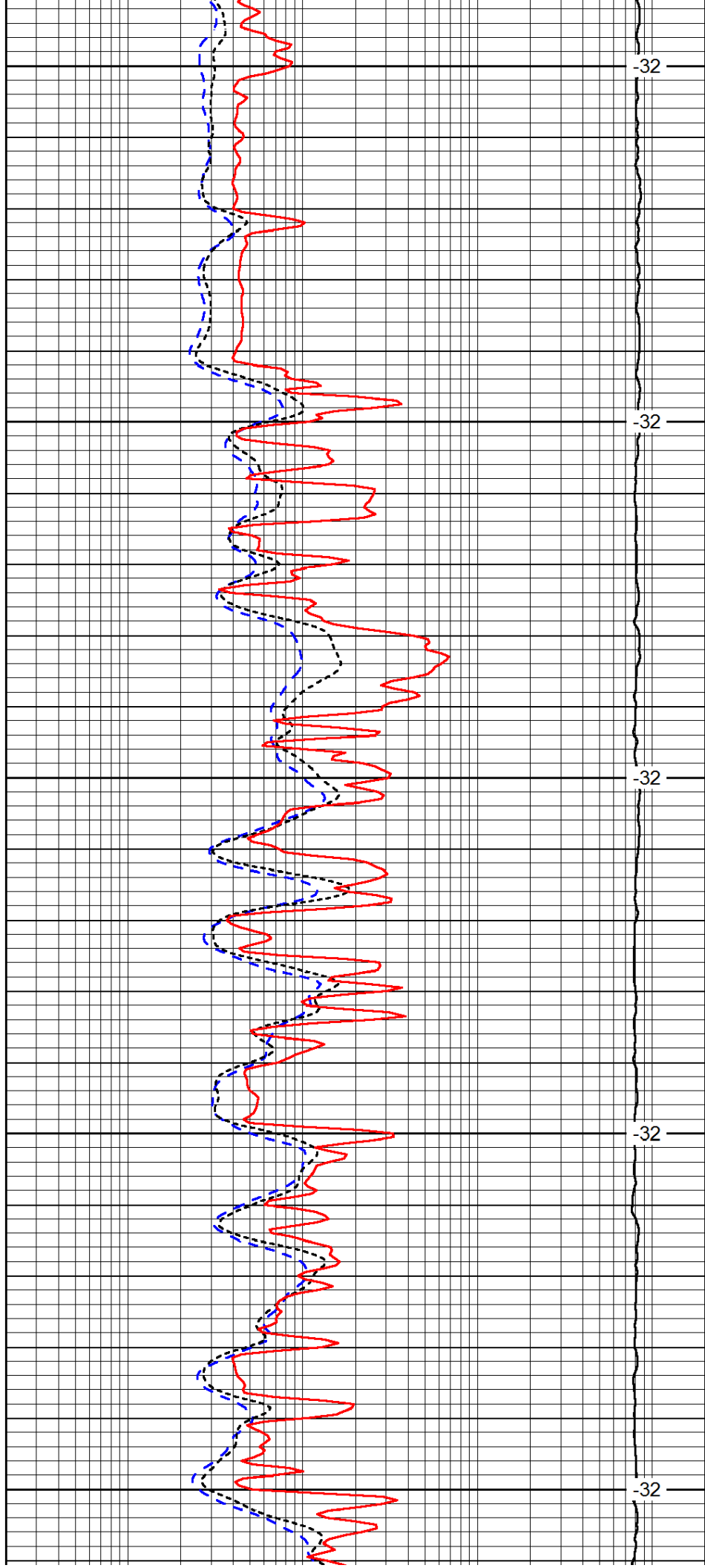
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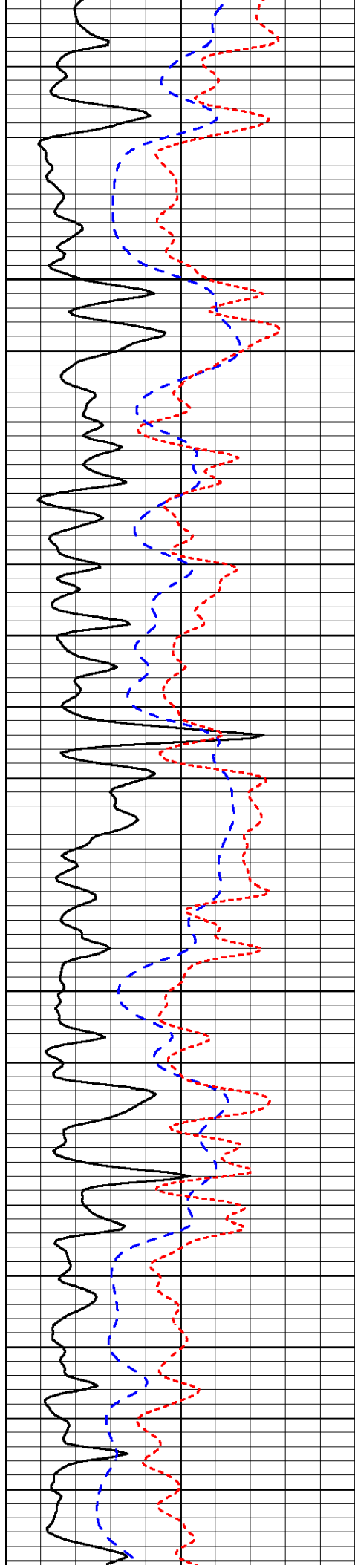
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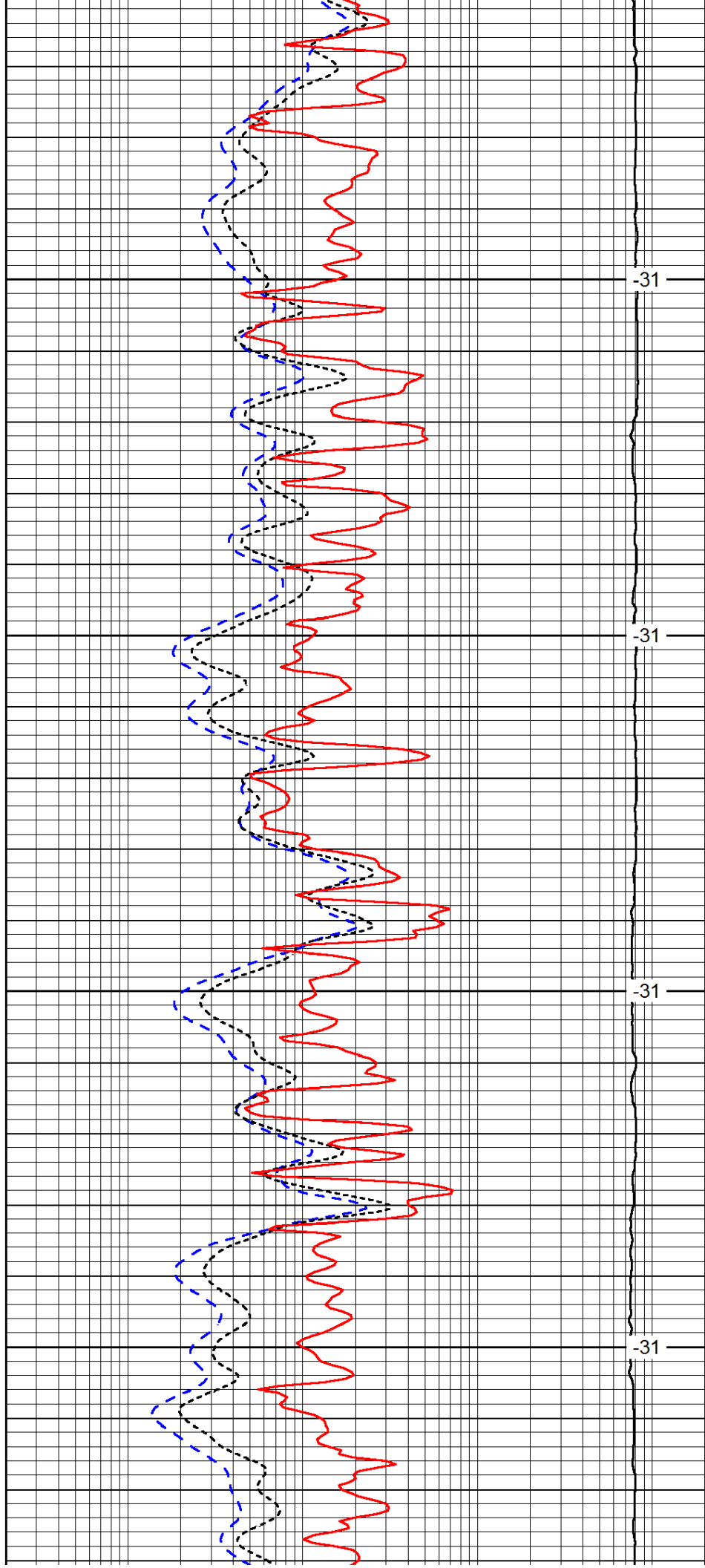


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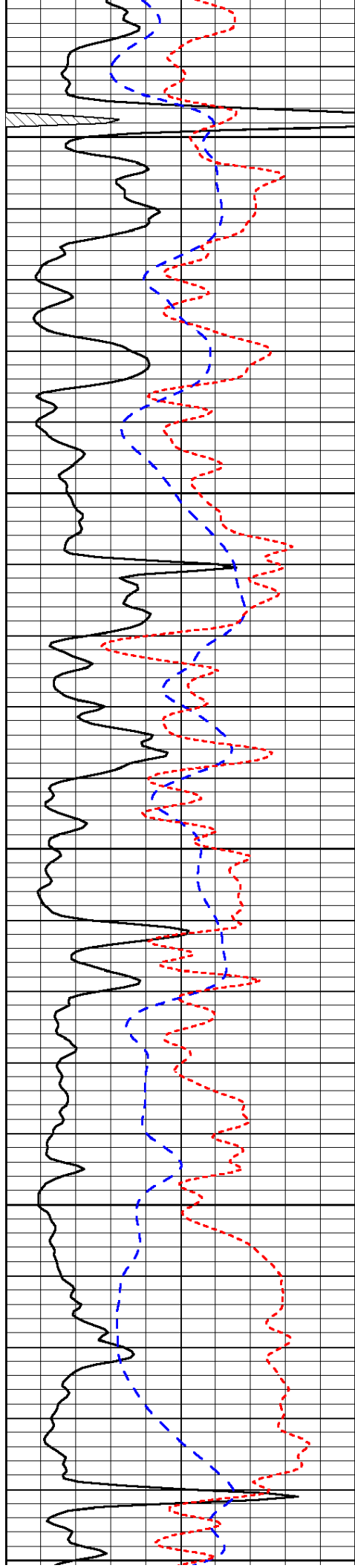


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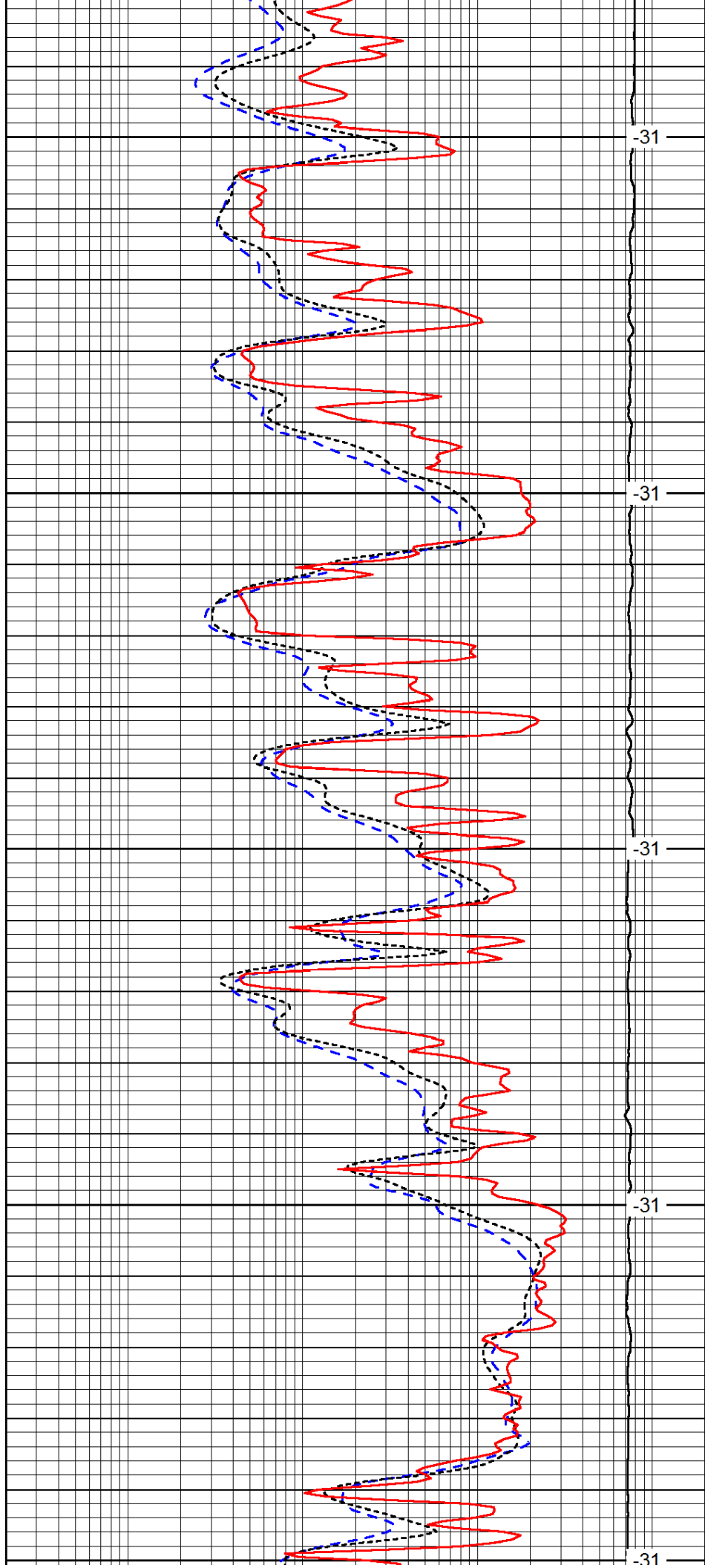
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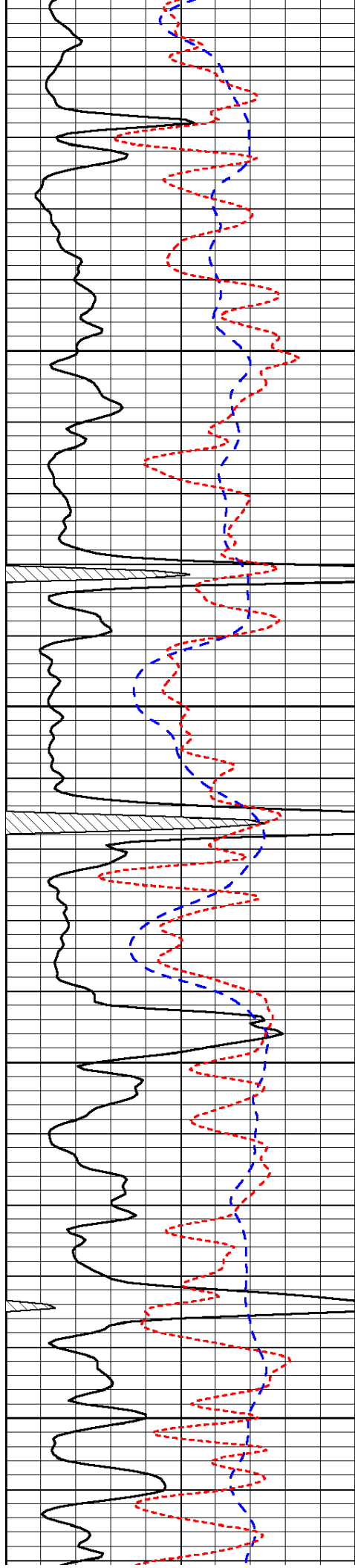
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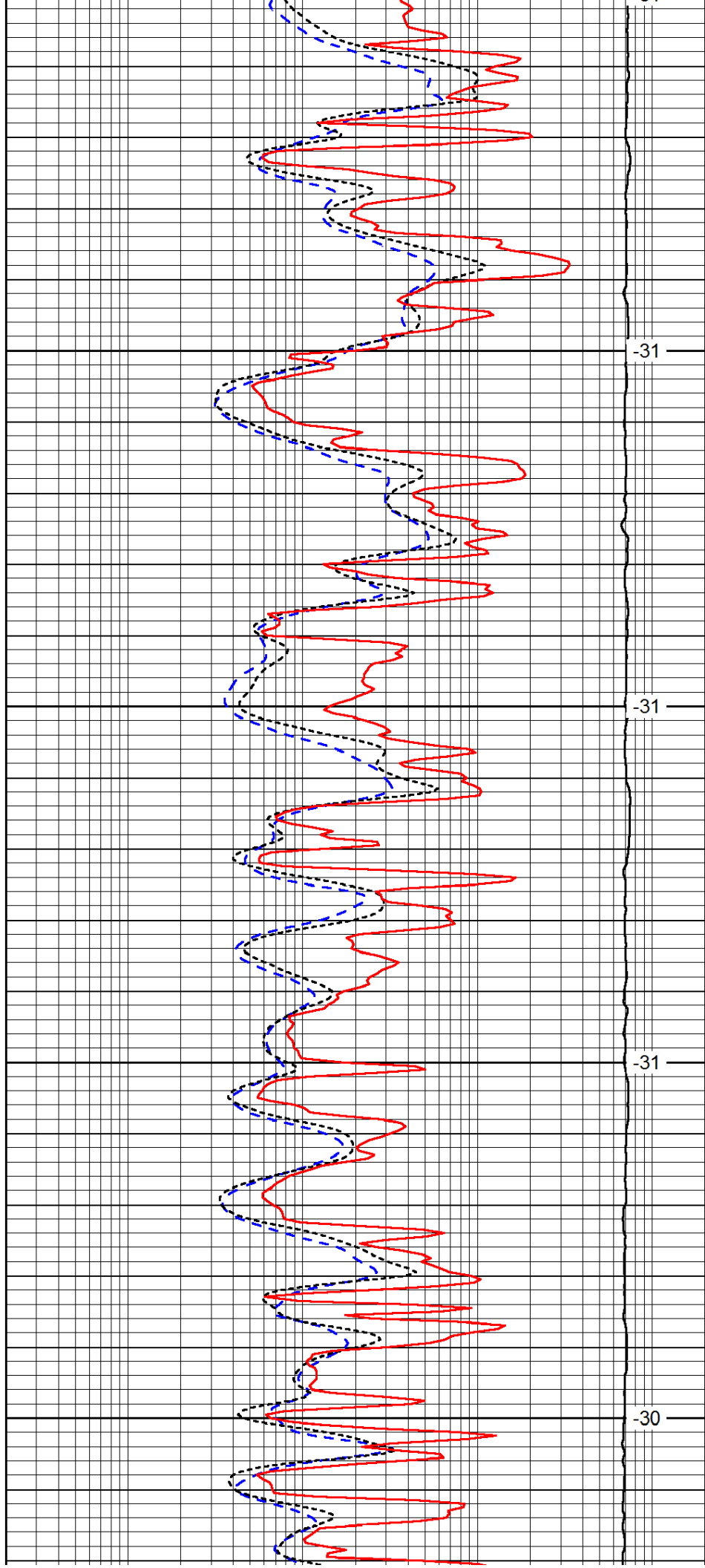


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4300

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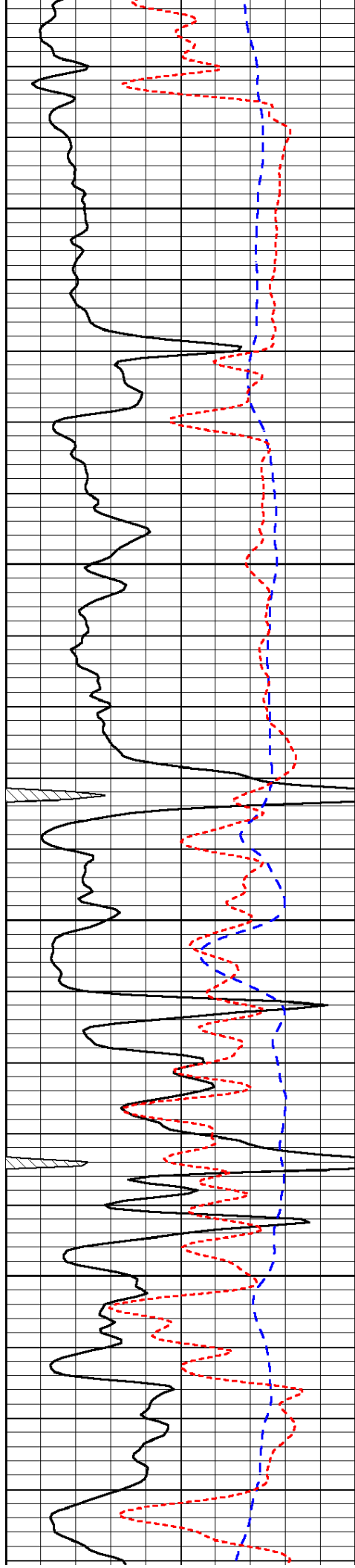


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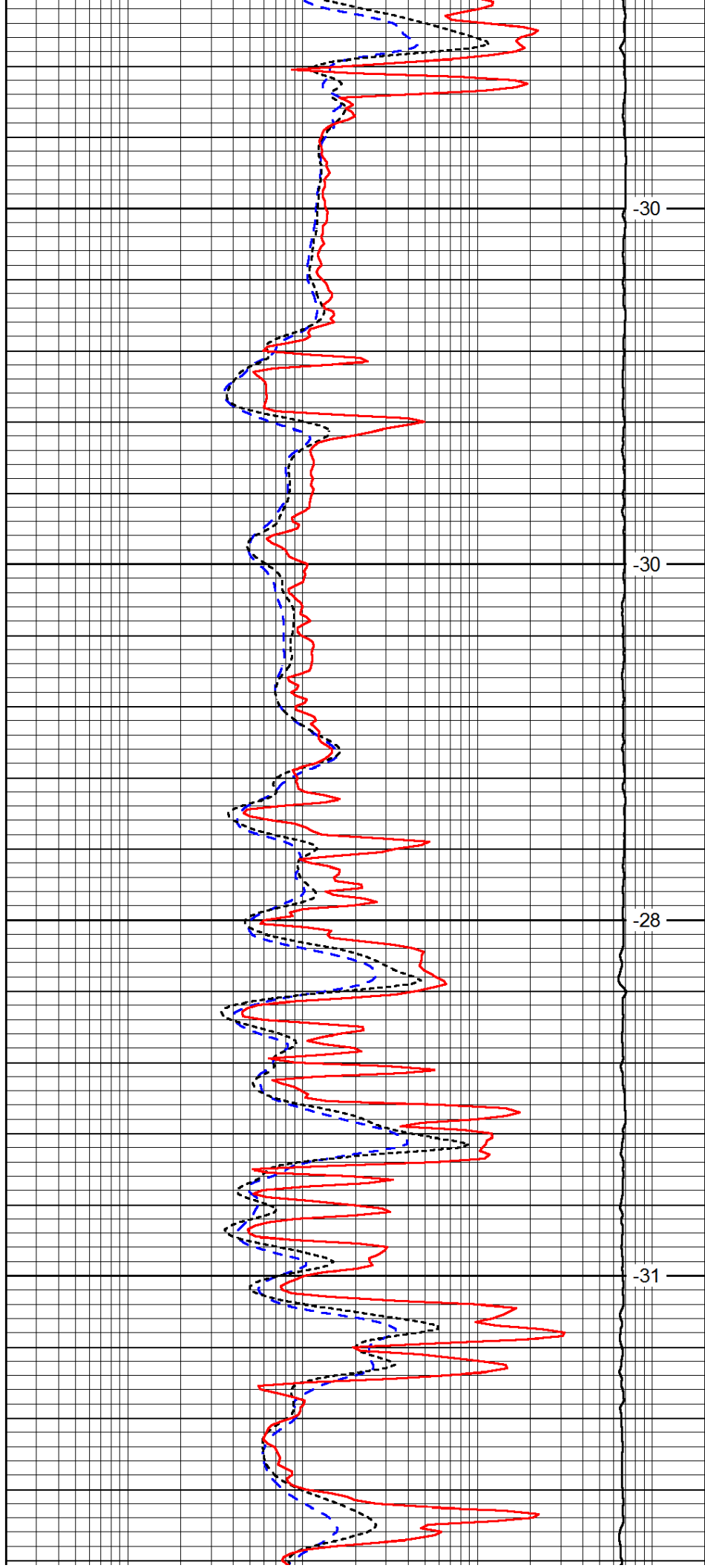


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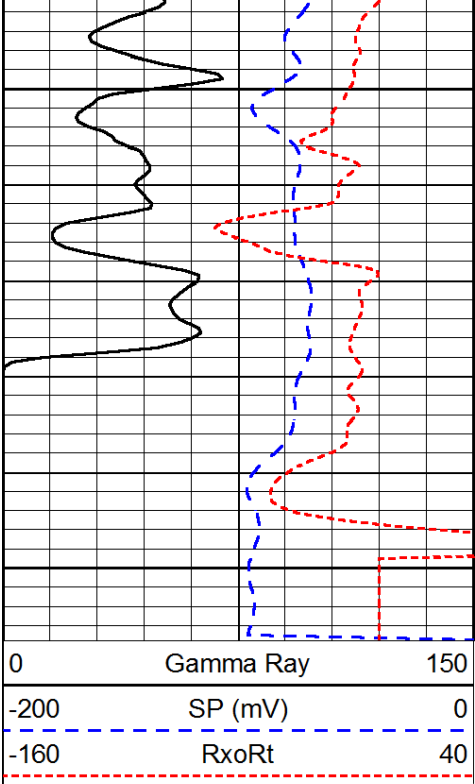


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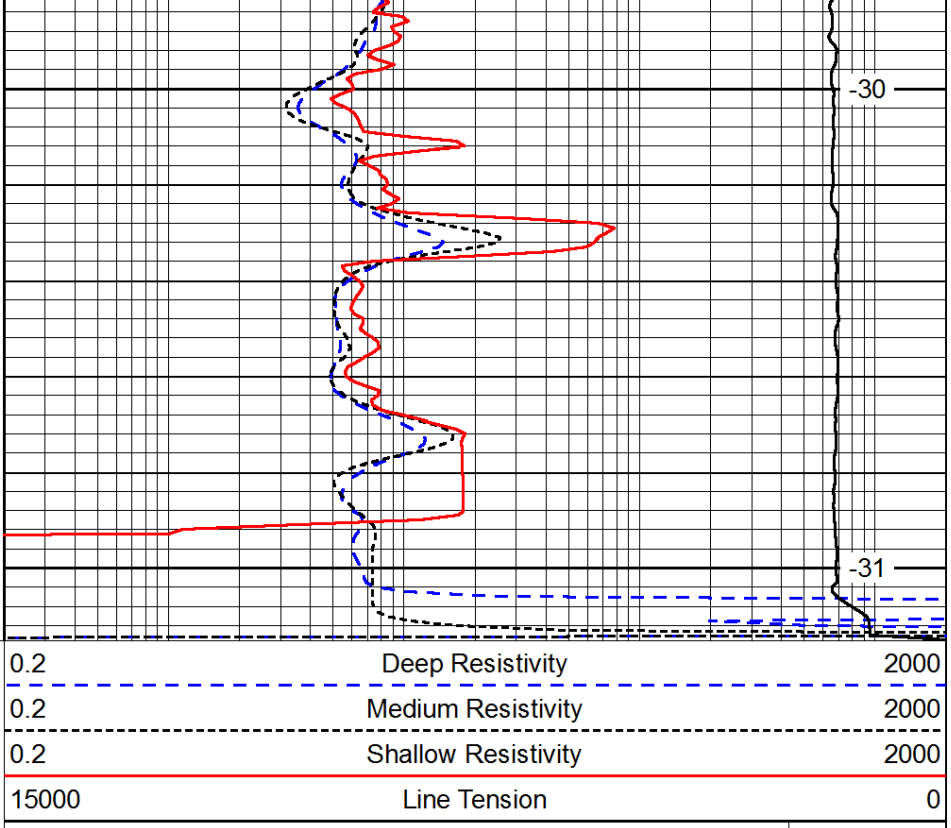
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4600

4650



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-31

LSPD