



PIONEER

Pioneer Energy Services

Dual Induction Log

API No.	Company Larson Engineering, Inc.		
15-101-20,260-00-01	Well	Meeker #1 OWWO	
	Field	Wildcat	
	County	Lane	State
	Location	711' FNL & 1946' FEL	
Sec: 23		Twp: 18S	Rge: 29W
Permanent Datum		Ground Level	Elevation 2787
Log Measured From		Kelly Bushing	9 Ft. Above Perm. Datum
Drilling Measured From		Fracture Bushing	K.B. 2796 D.F. 2787 G.L. 2787
Date	3/3/2015		
Run Number	One		
Depth Driller	4670		
Depth Logger	4672		
Bottom Logged Interval	4671		
Top Log Interval	200		
Casing Driller	8.625 @ 246		
Casing Logger	249		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	14,800		
Density / Viscosity	8.8	43	
pH / Fluid Loss	9.5	28.0	
Source of Sample	Flowline		
Rm @ Meas. Temp	.38 @ 50		
Rmf @ Meas. Temp	.29 @ 50		
Rmc @ Meas. Temp	.51 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.15 @ 123		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	123		
Equipment Number	51		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Tom Larson		

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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.pioneeres.com
785 625 3858

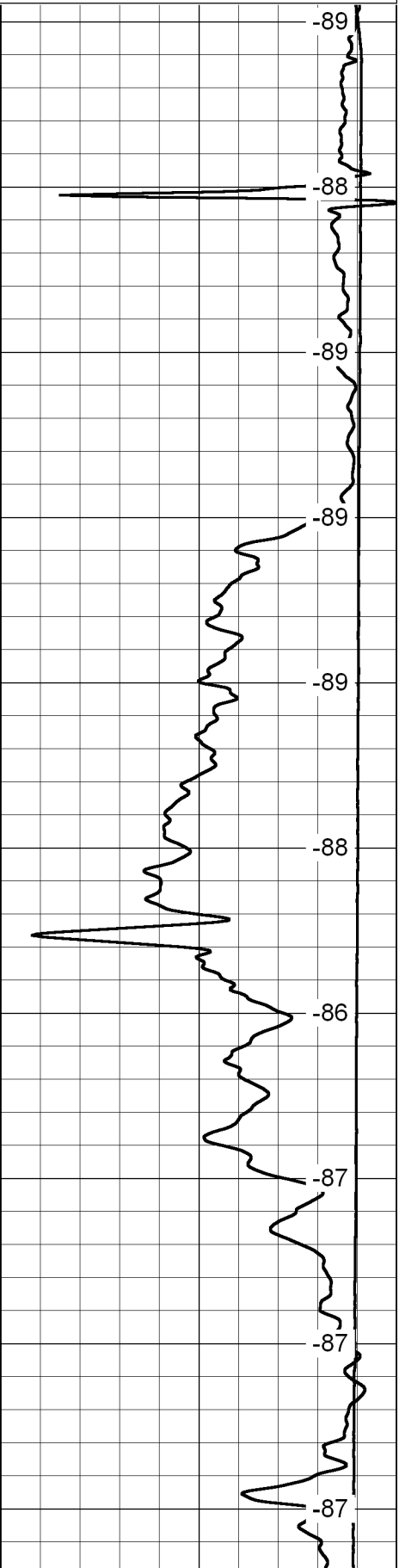
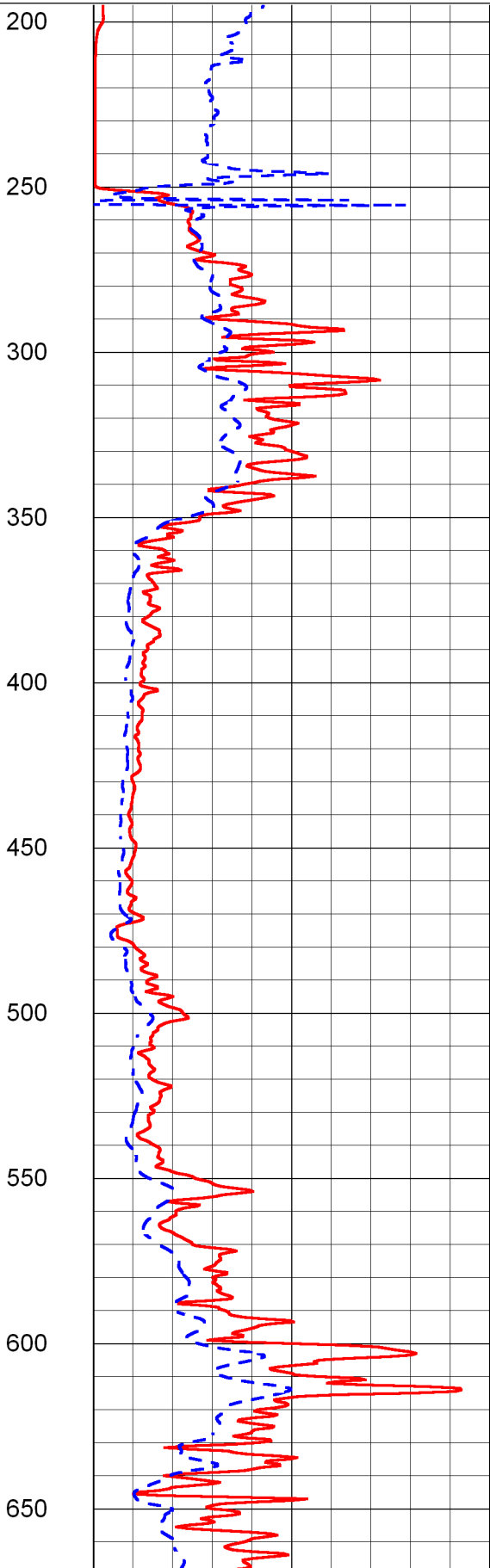
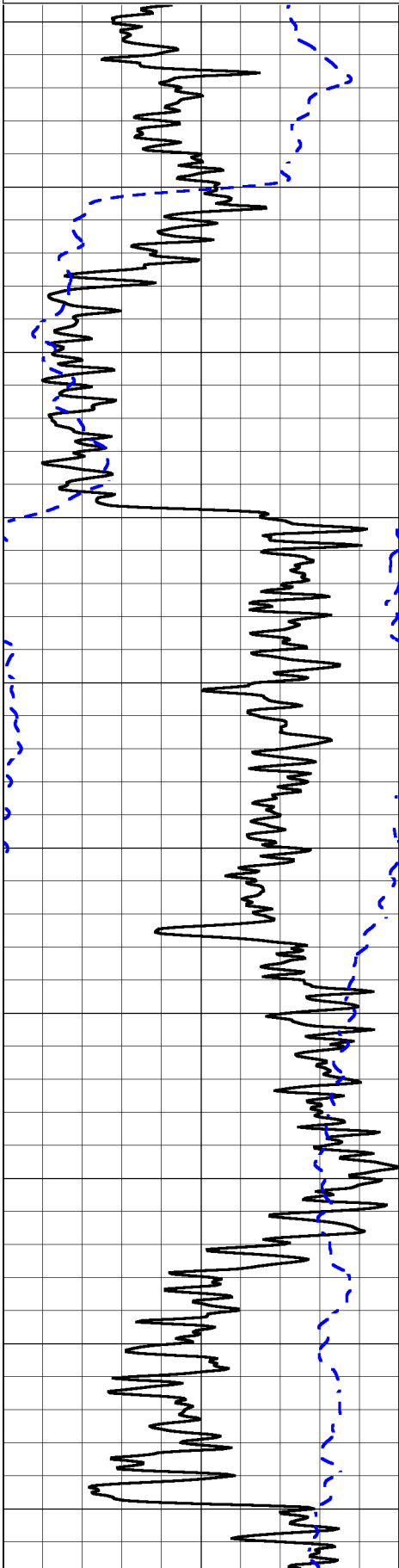
Dighton KS, 1 1/2 W S Into between buildings

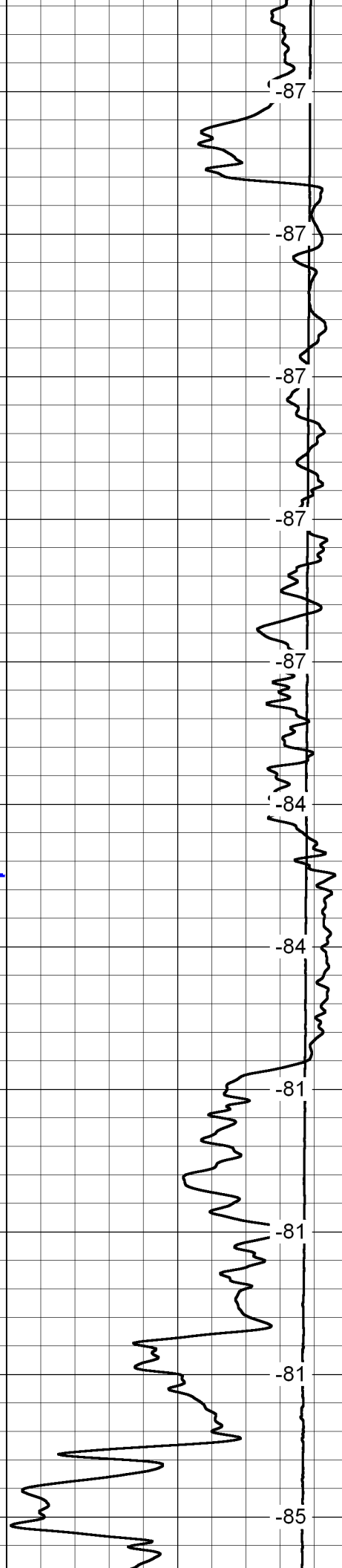
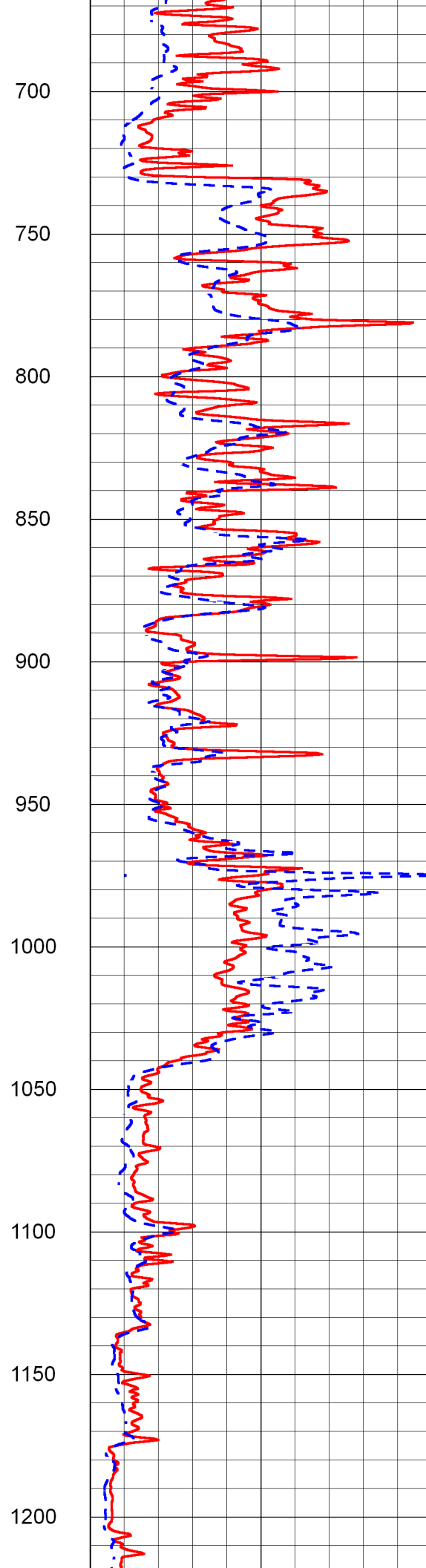
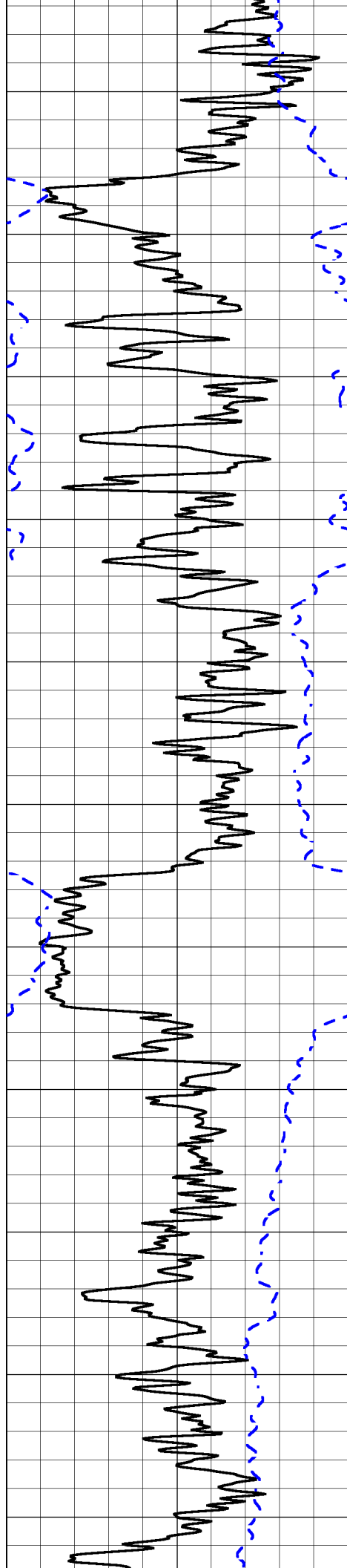
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Charted by Depth in Feet scaled 1:600

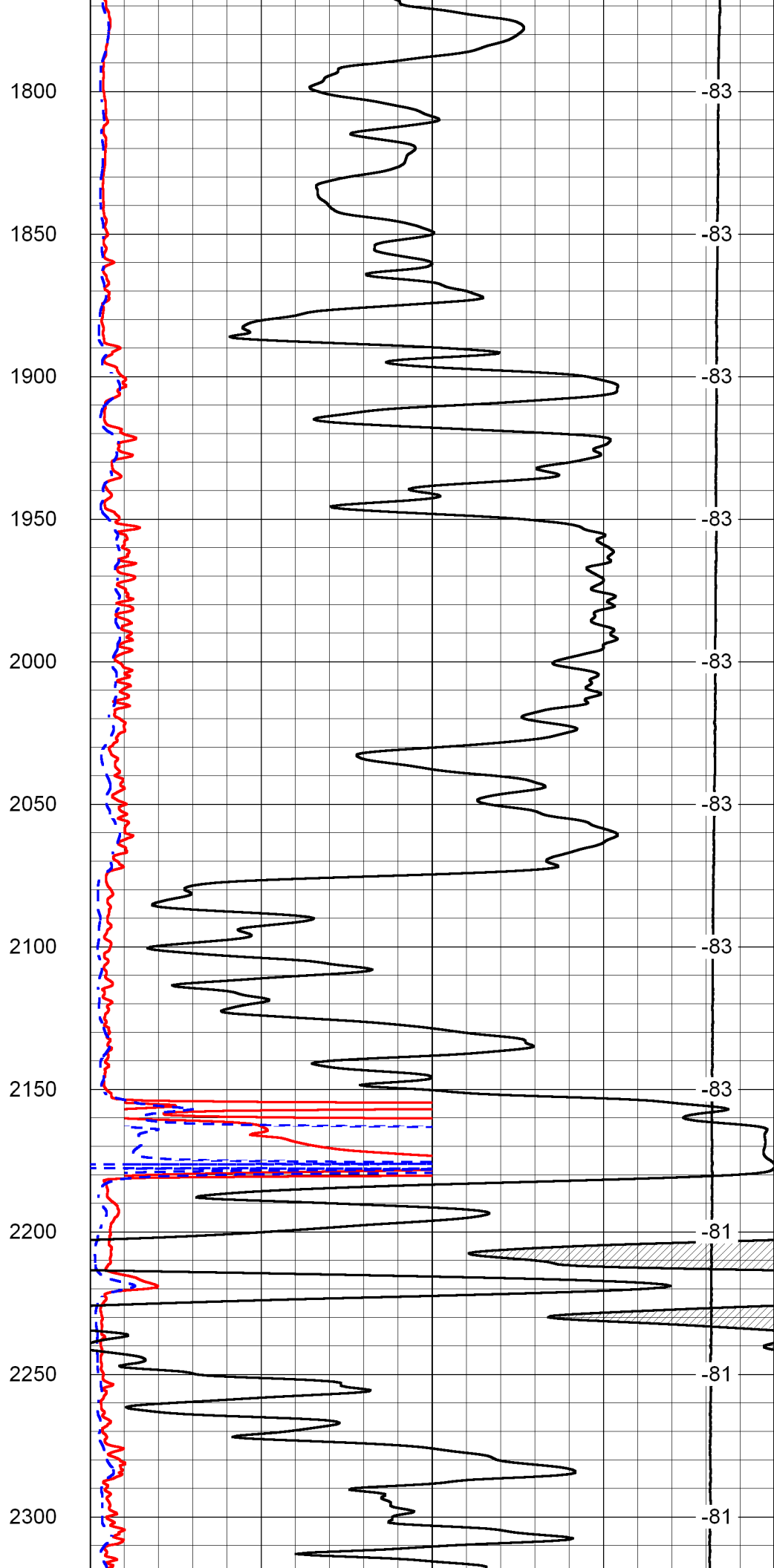
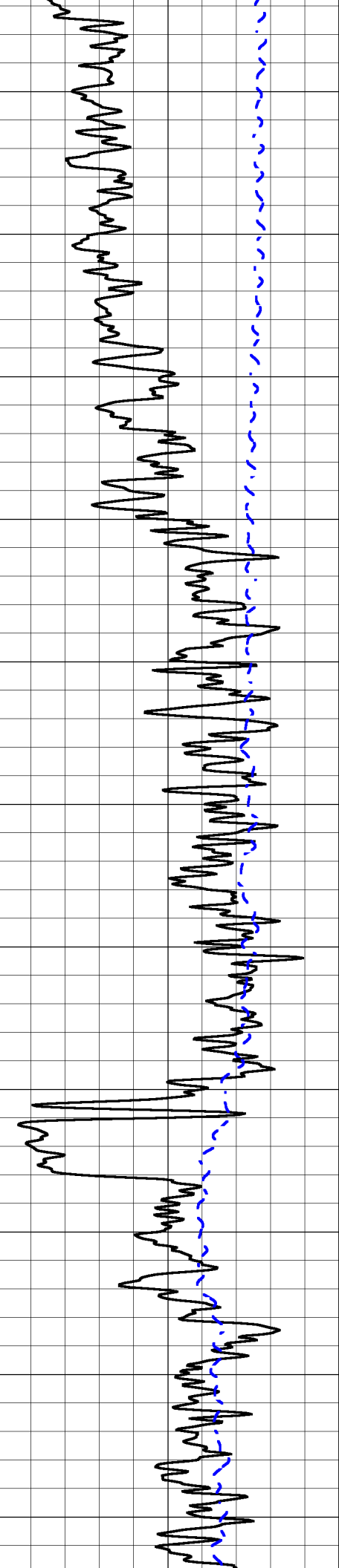
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-200	SP (mV)	0

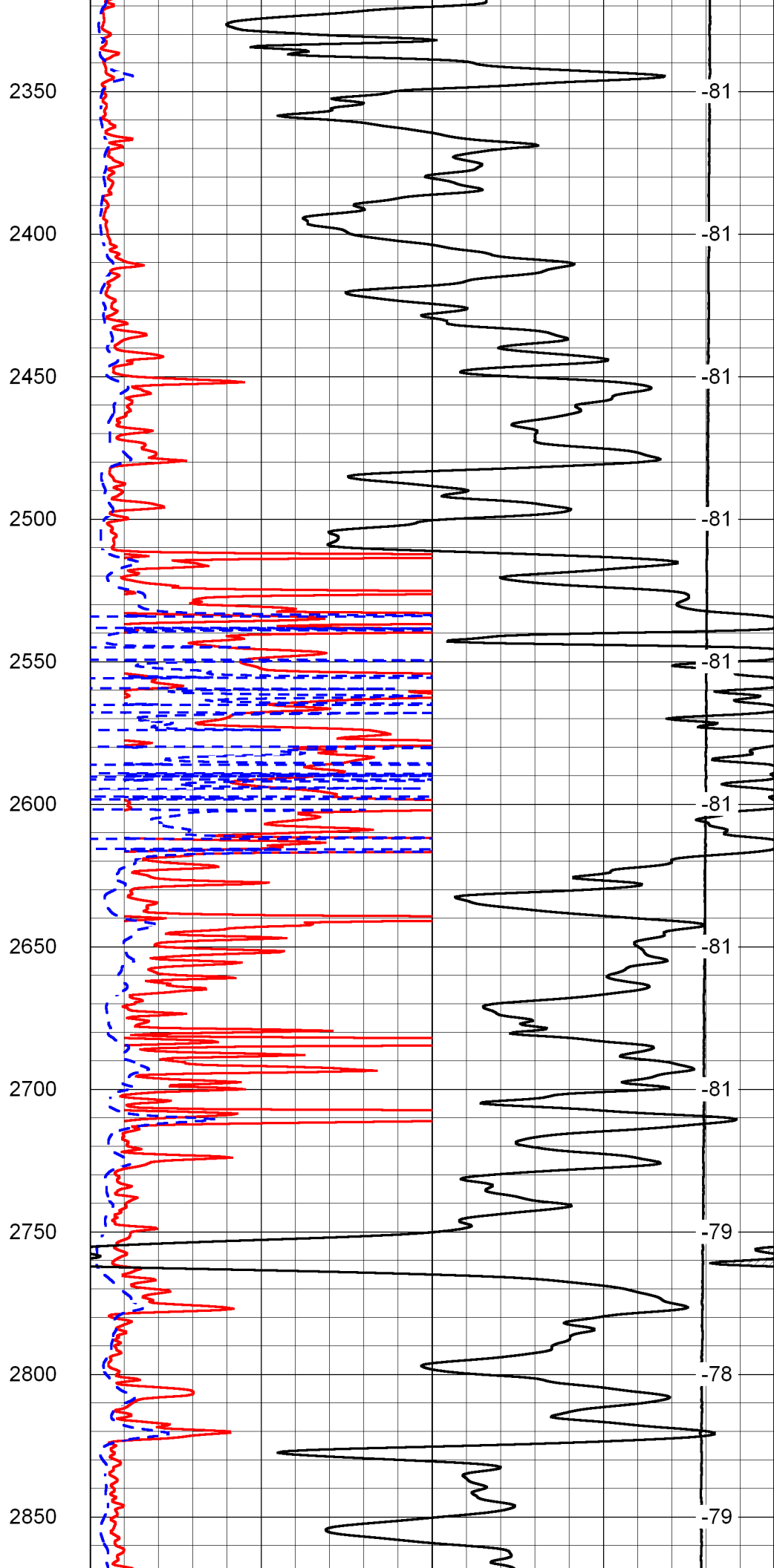
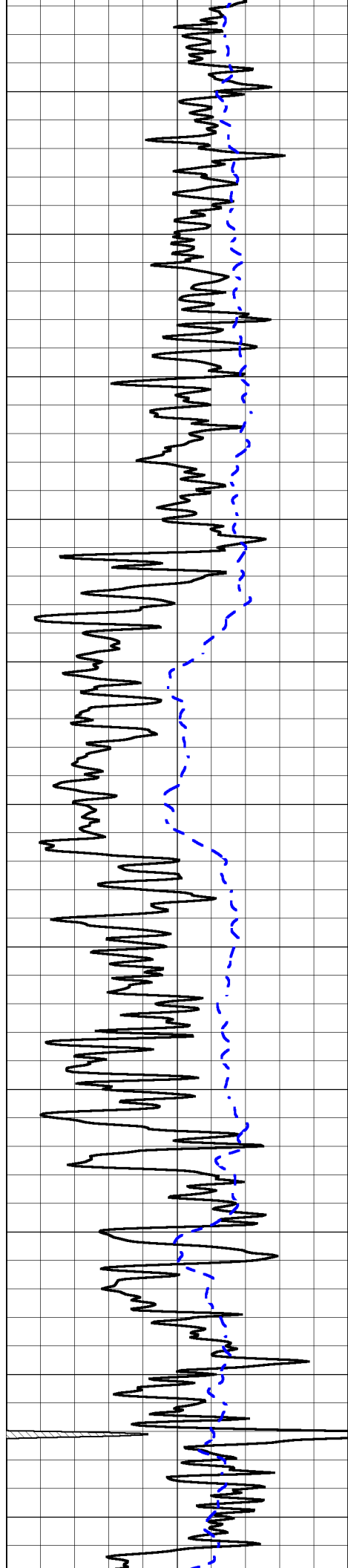
1000	Conductivity	0
15000	Line Tension	0
0	Shallow Resistivity	50
0	Deep Resistivity	50
50	Shallow Resistivity	500
50	Deep Resistivity	500

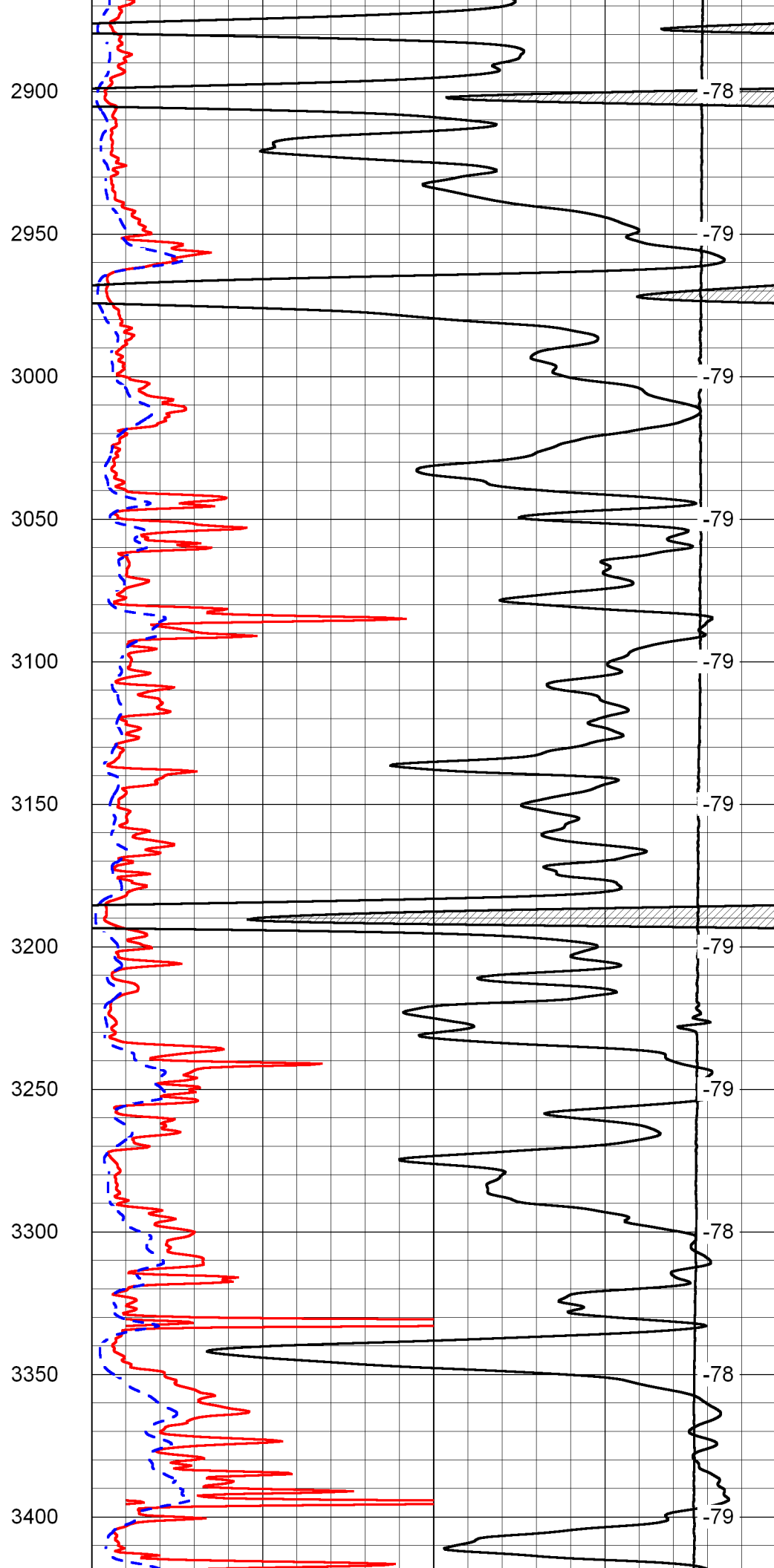
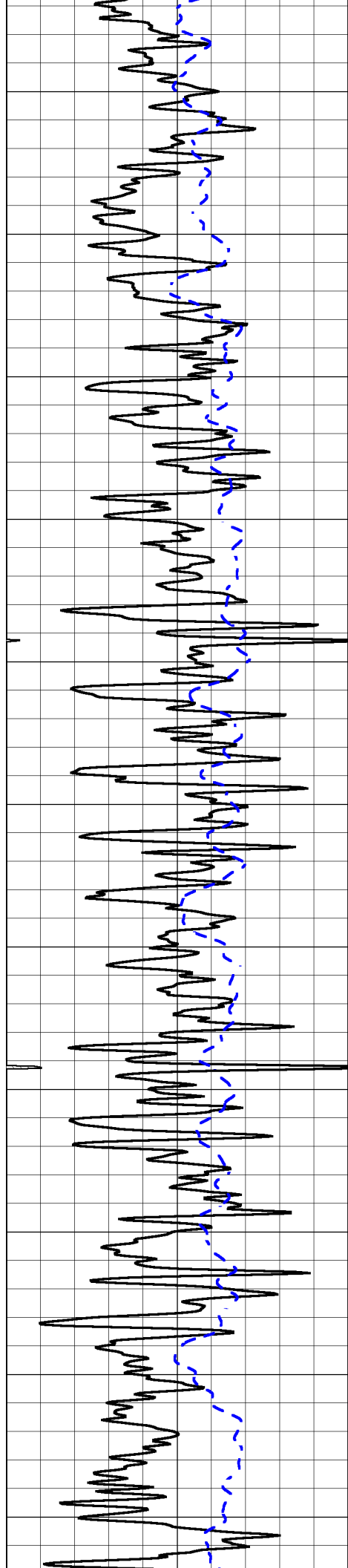
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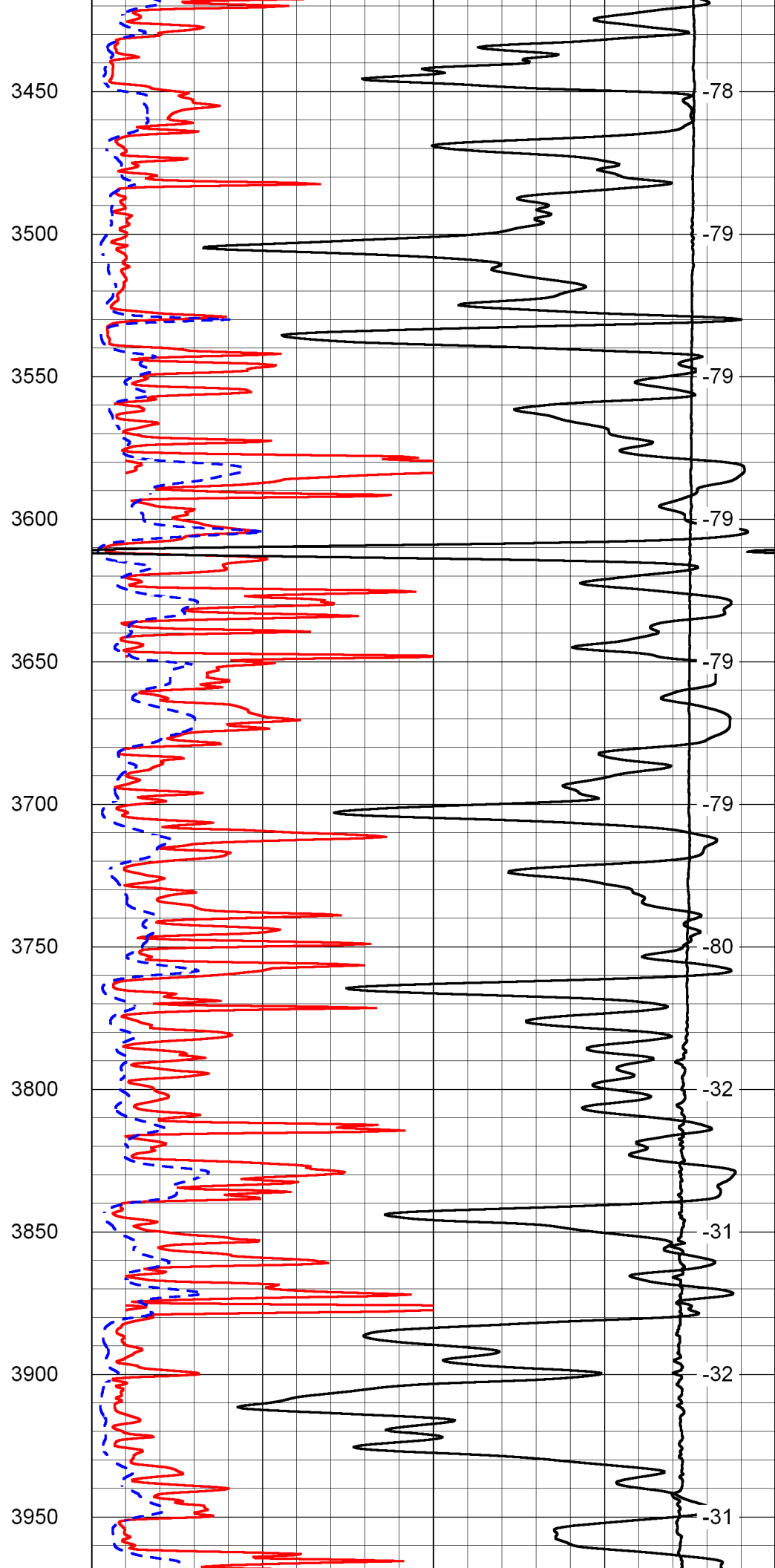
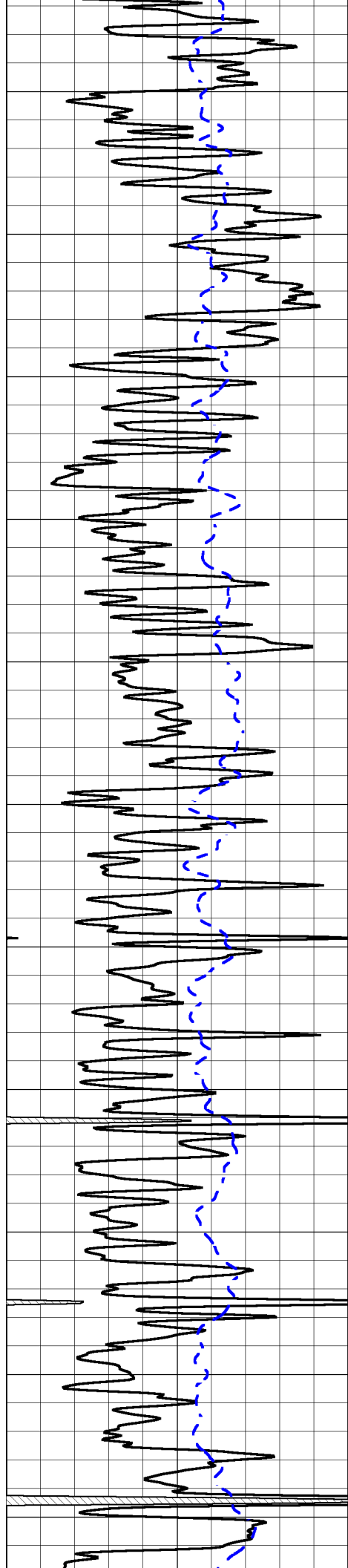


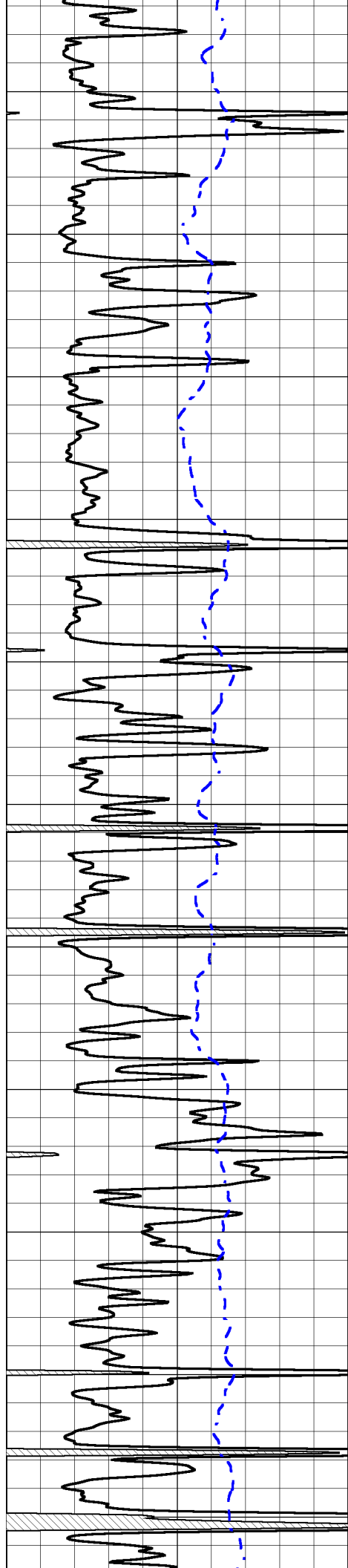












4000

4050

4100

4150

4200

4250

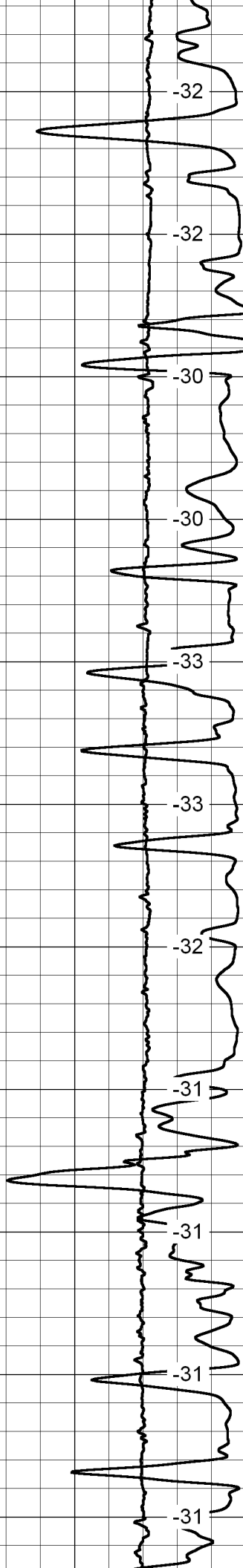
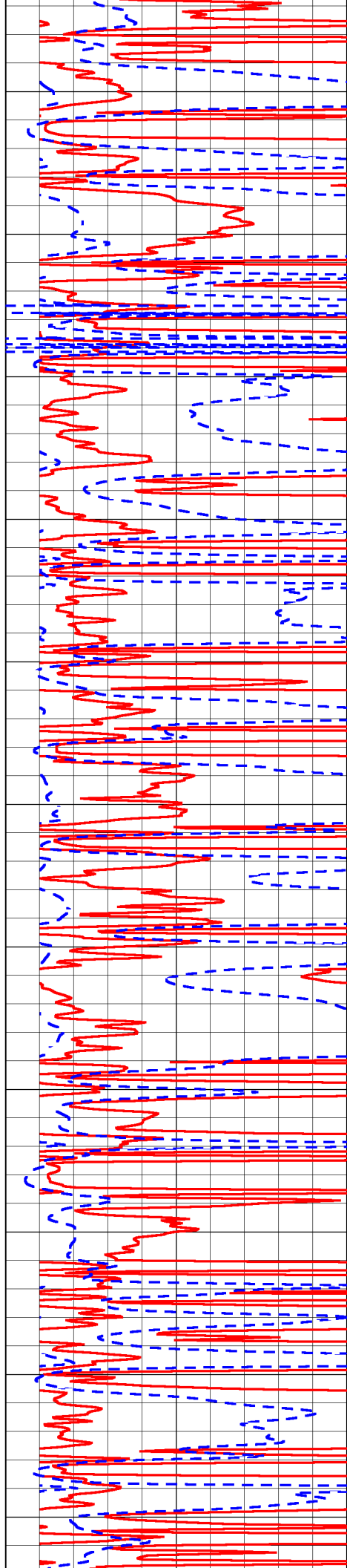
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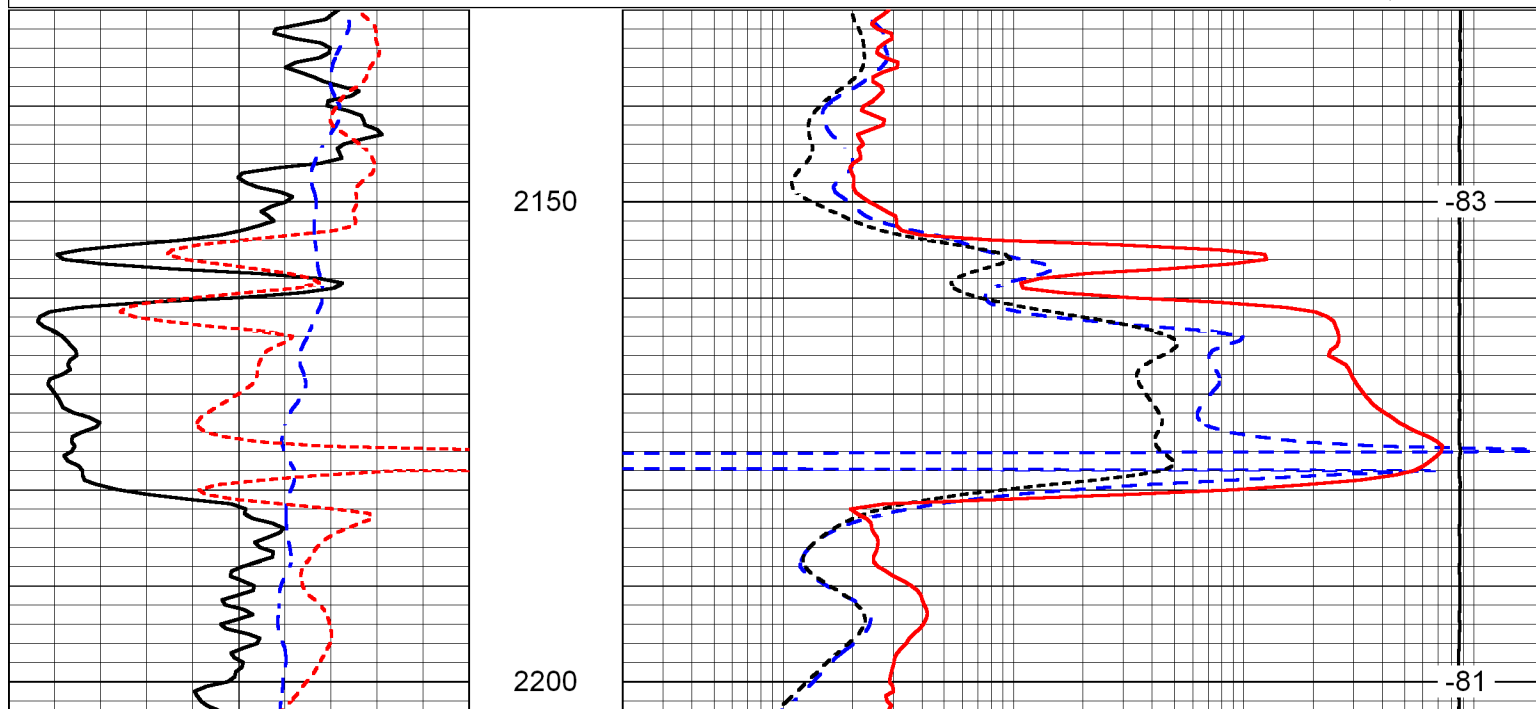
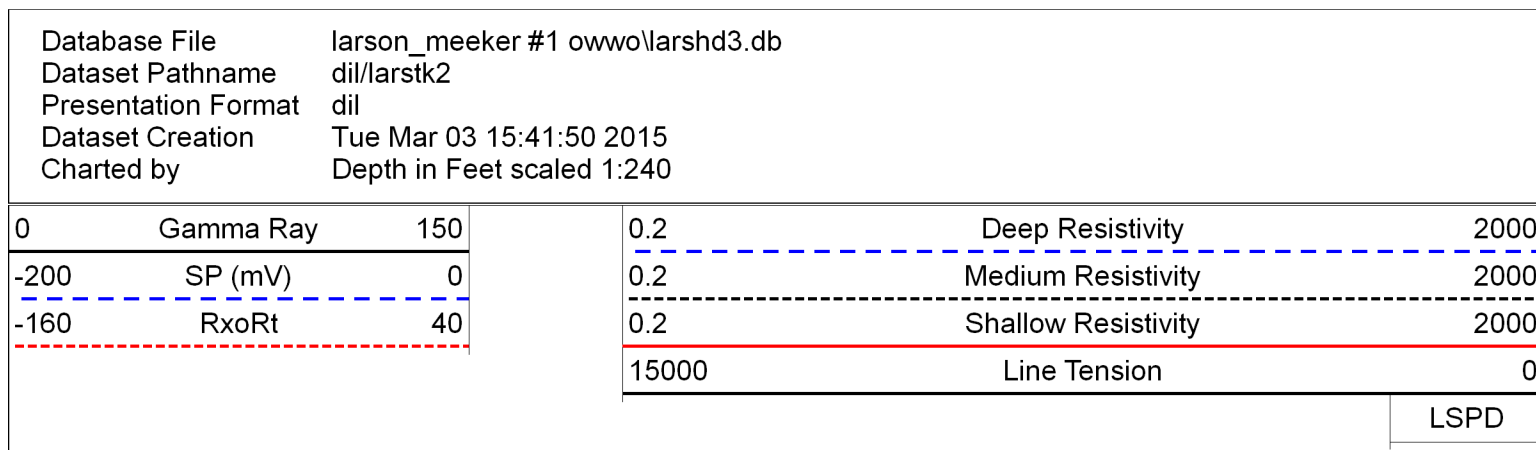
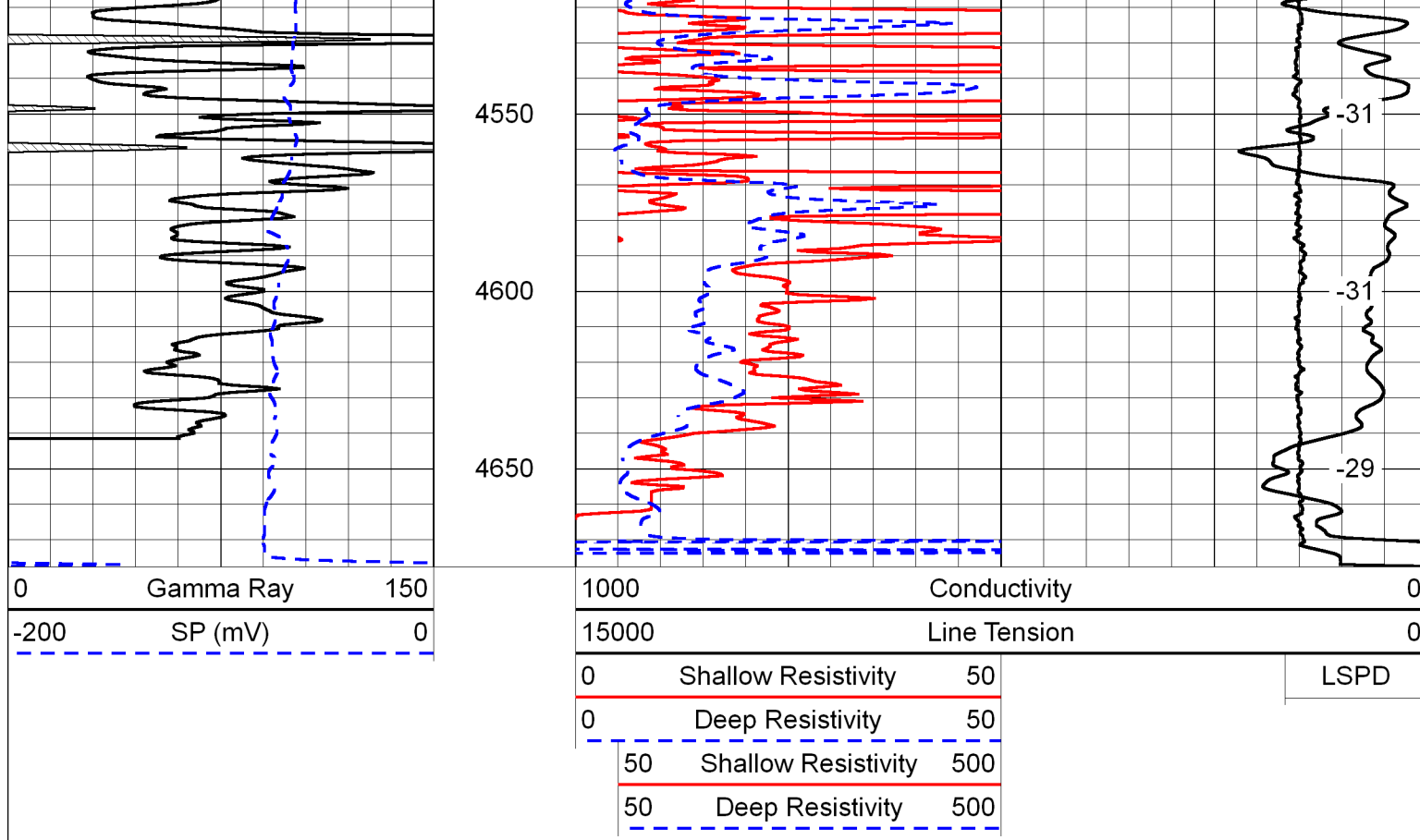
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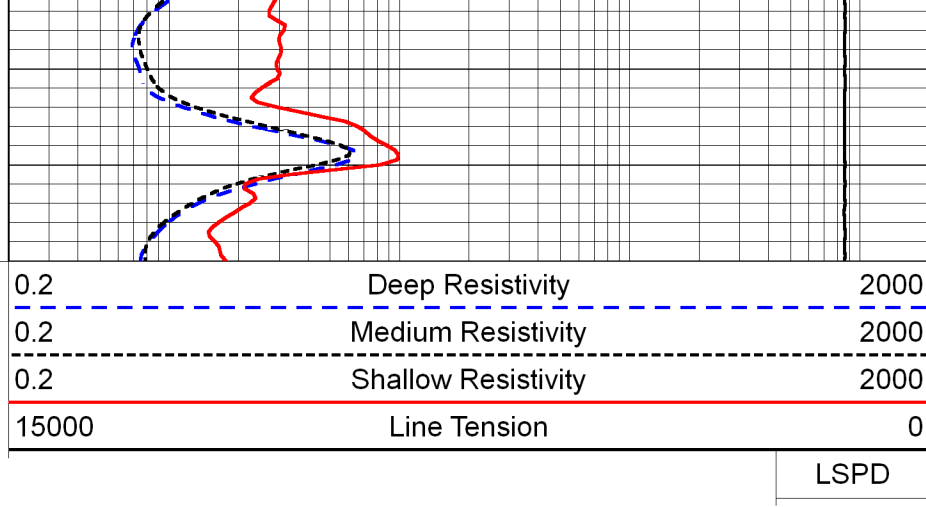
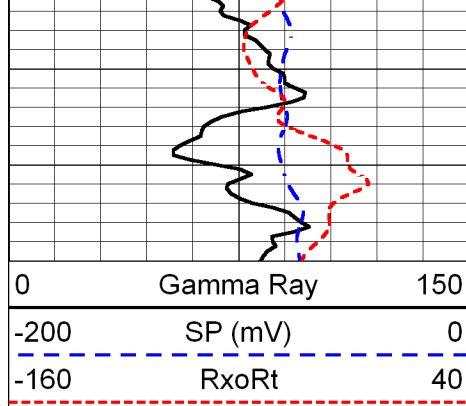
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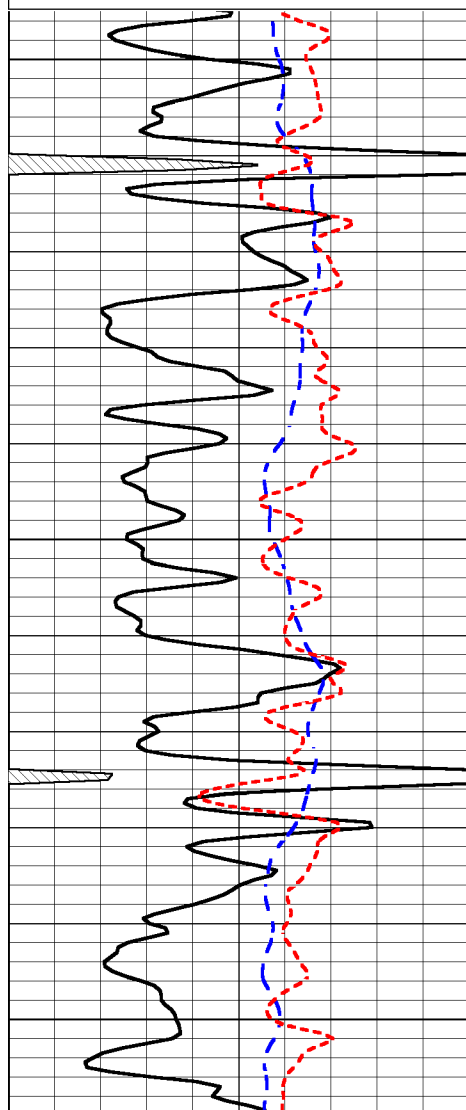
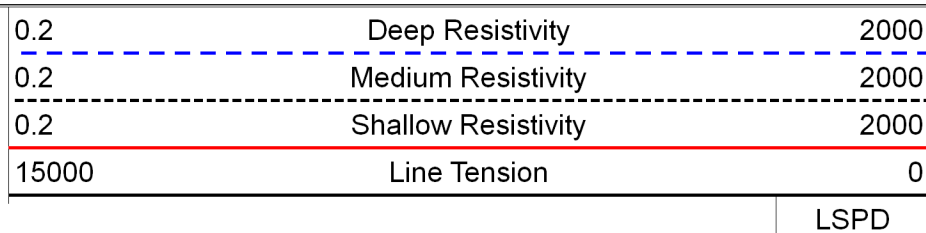
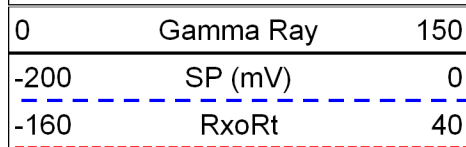
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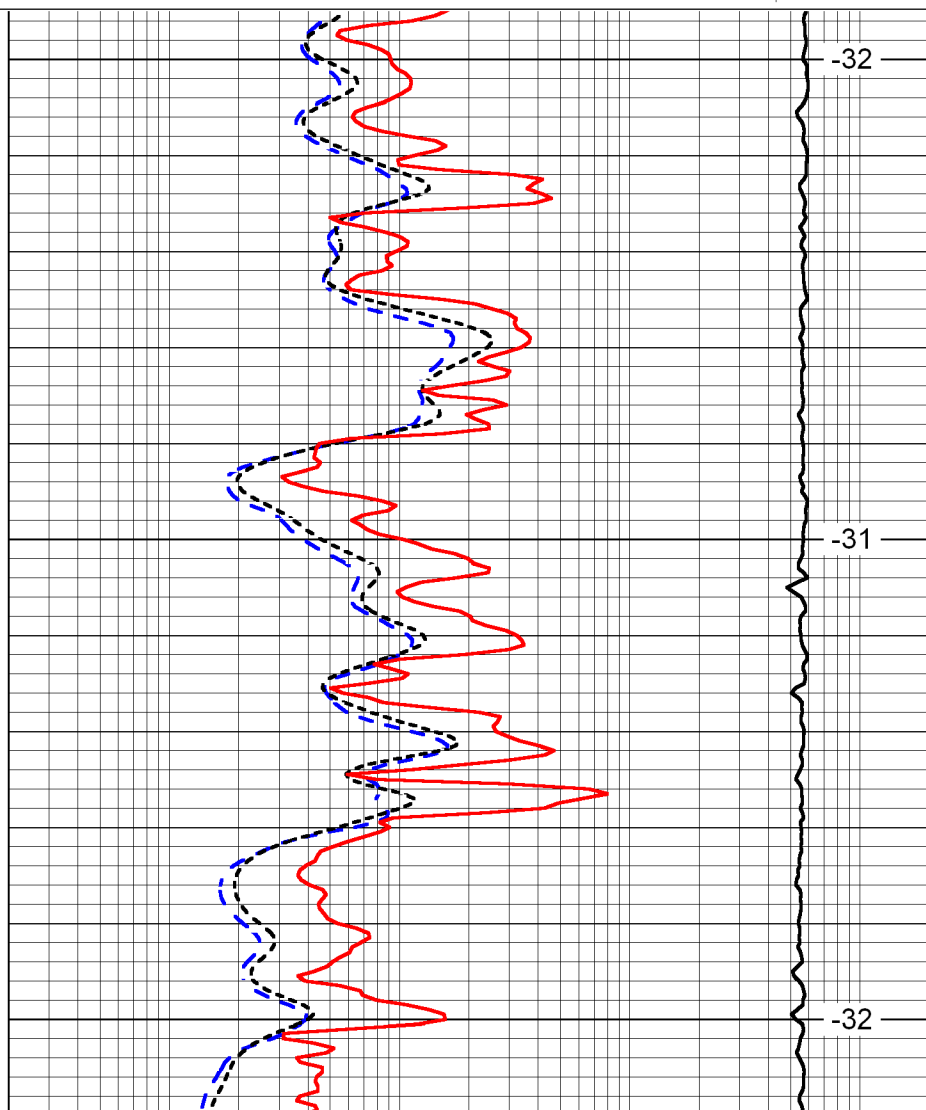
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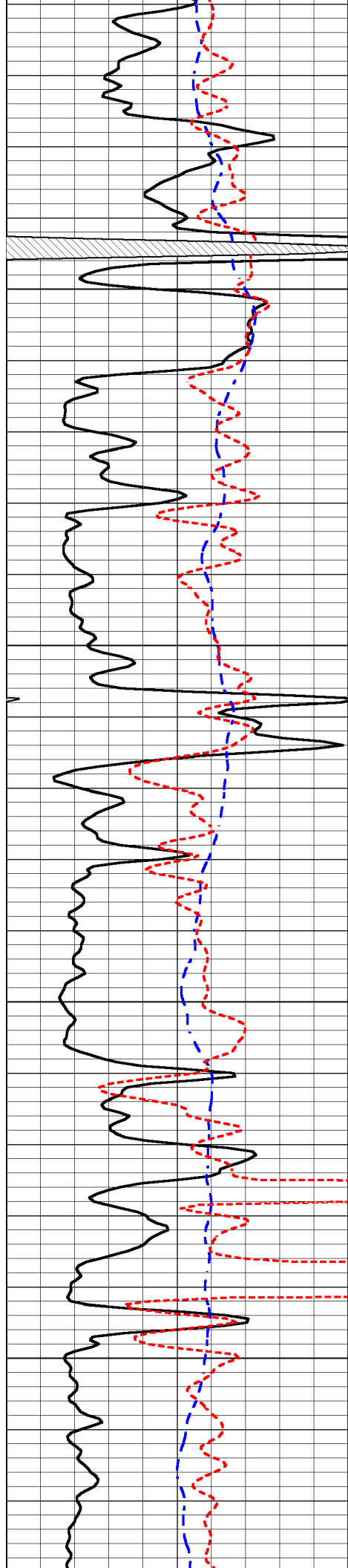


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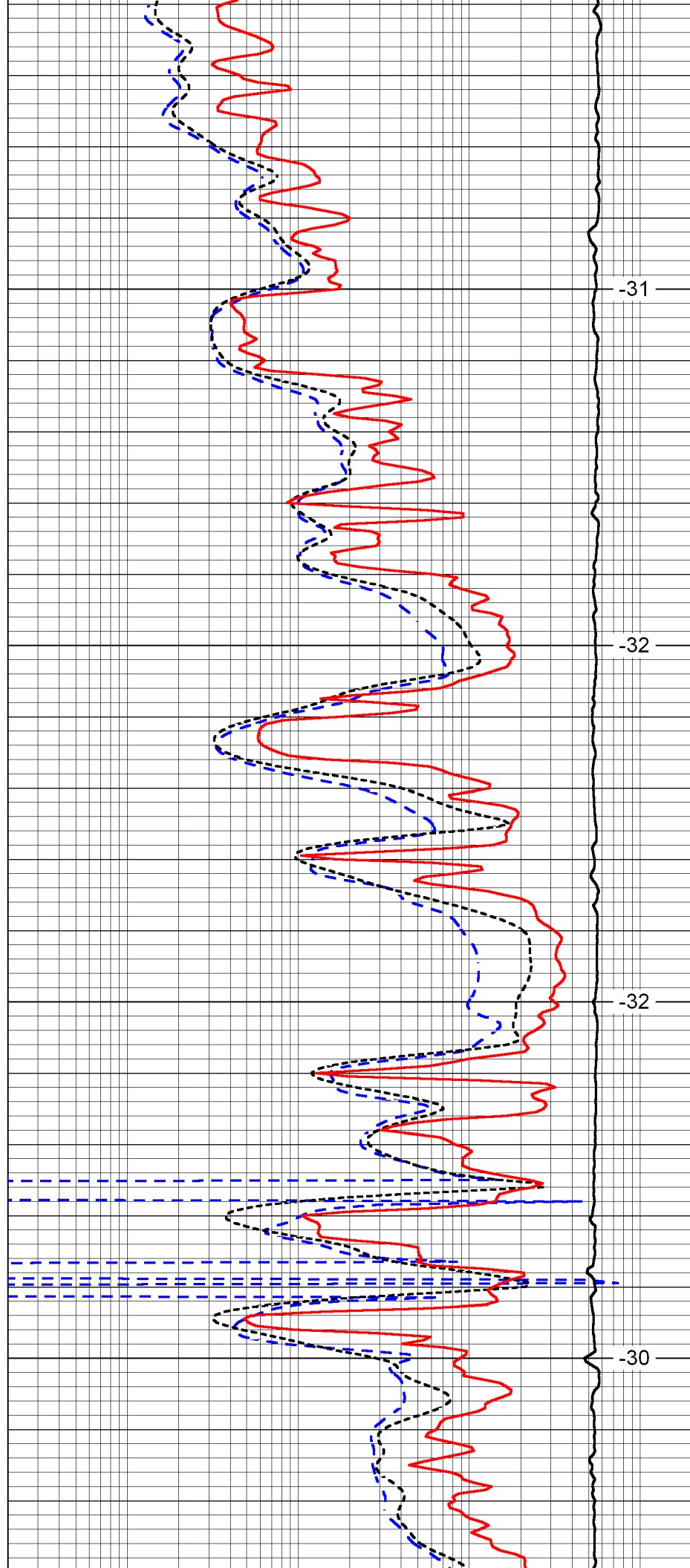


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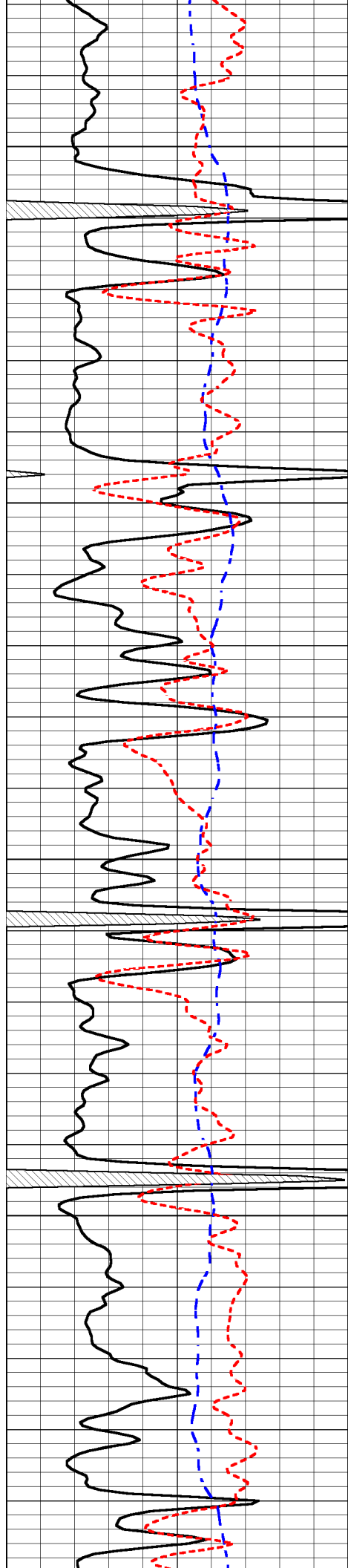


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-32

-32

-30



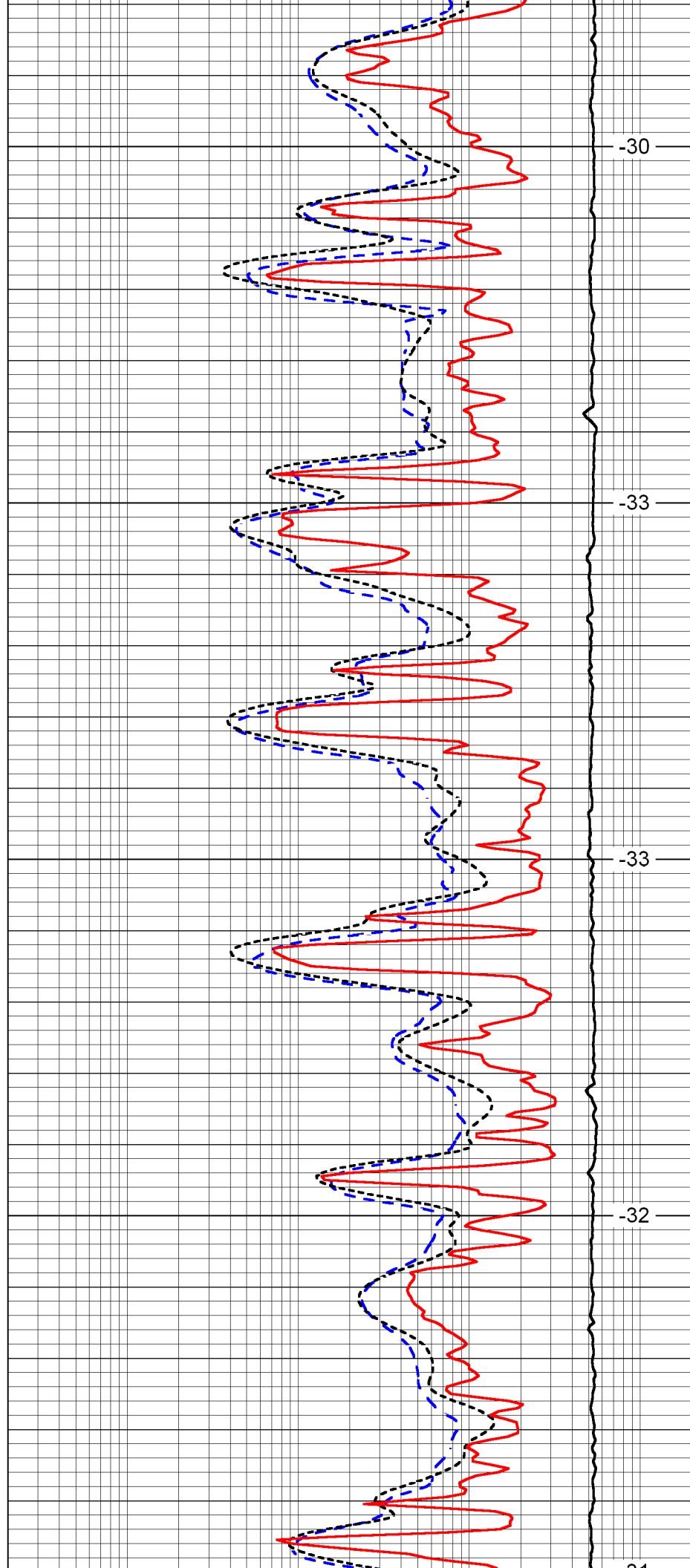
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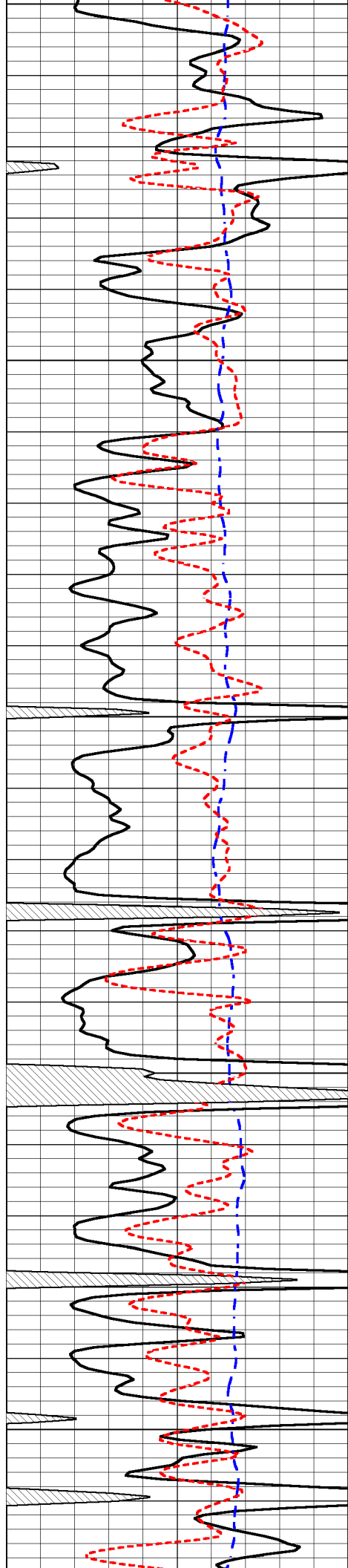
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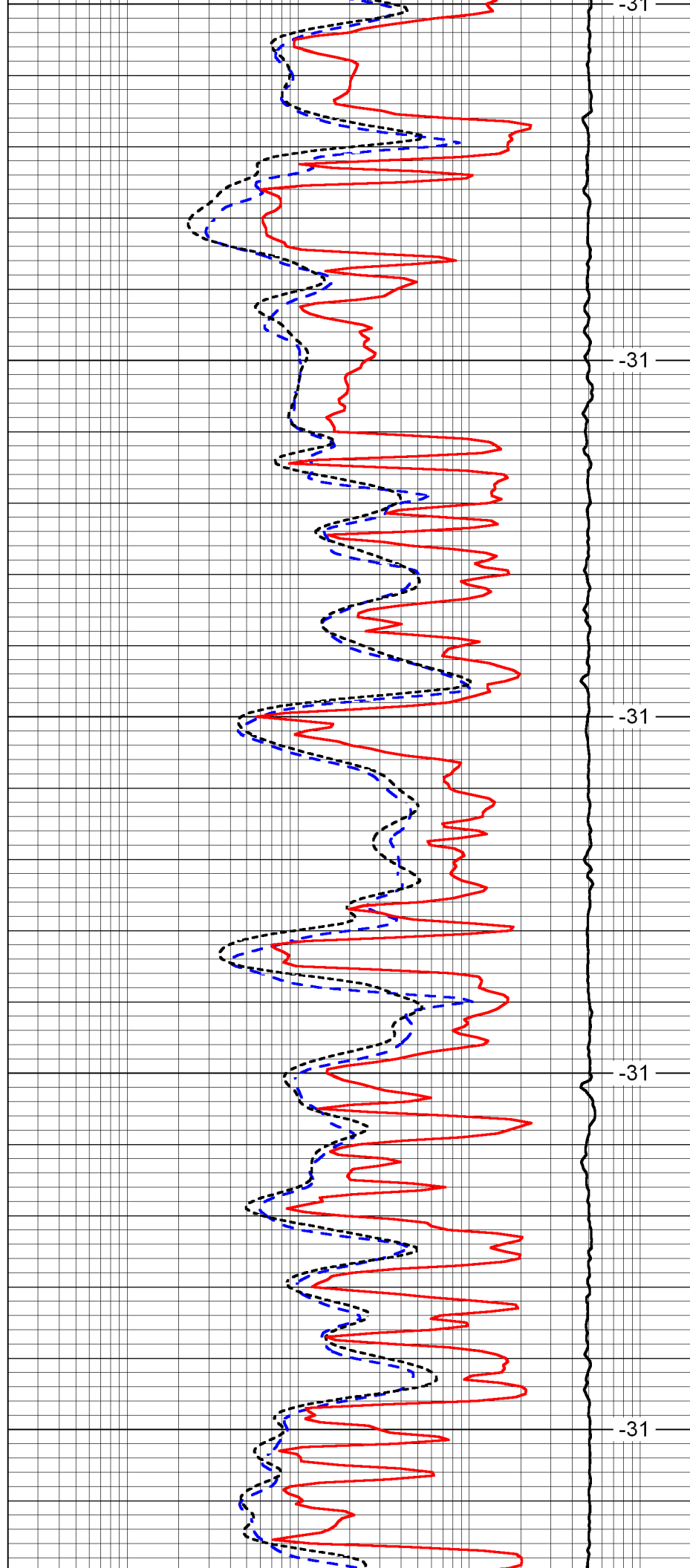
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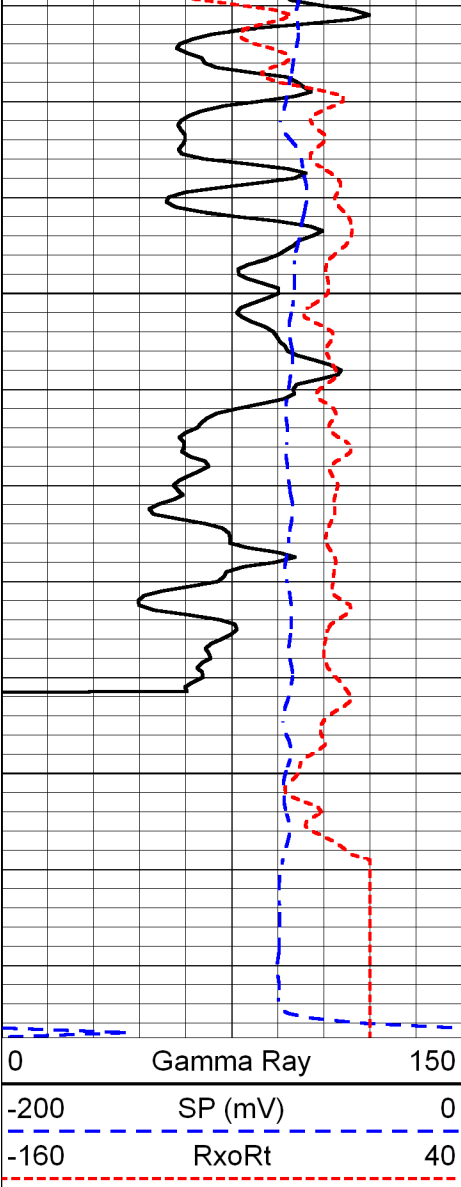
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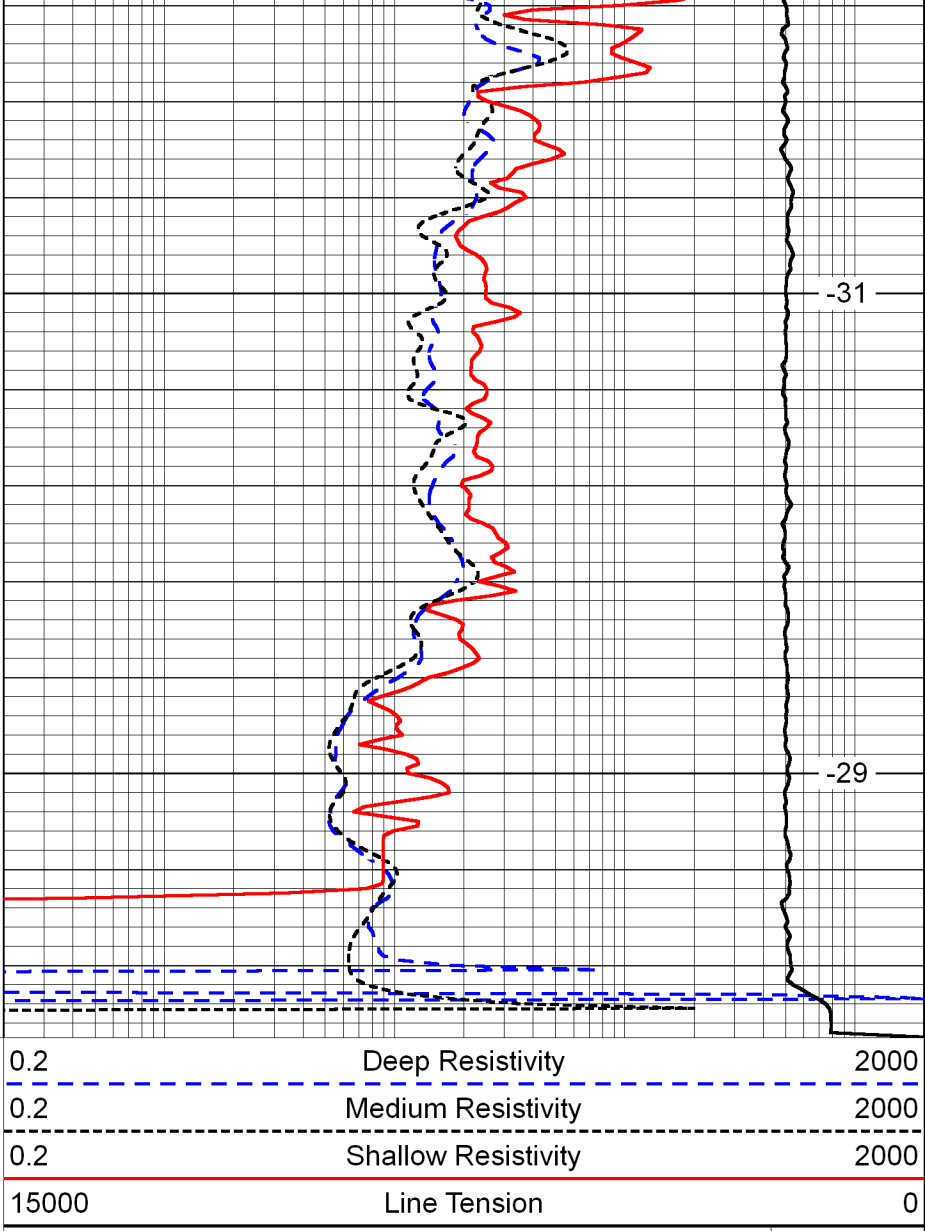
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LSPD