



Dual Induction Log

Pioneer Energy Services

API No.	Company Berexco LLC		
	Well Katheryn No. 1		
	Field Lappin		
	County Hodgeman State Kansas		
	Location	SE NE NW SW 2,280' FSL & 1,000' FWL	Other Services CNL/CDL MEL
	Sec: 29	Twp: 23S	Rge: 23W
Permanent Datum	Ground Level	Elevation 2403	
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum	K.B. 2416
Drilling Measured From	Kelly Bushing		D.F. 2403
			G.L. 2403
Date	11/3/2012		
Run Number	One		
Depth Driller	4800		
Depth Logger	4789		
Bottom Logged Interval	4788		
Top Log Interval	300		
Casing Driller	8.625 @ 310		
Casing Logger	308		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	6000		
Density / Viscosity	9.4 47		
pH / Fluid Loss	9.0 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.42 @ 68		
Rmf @ Meas. Temp	.32 @ 68		
Rmc @ Meas. Temp	.57 @ 68		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.23 @ 124		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	124		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
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.

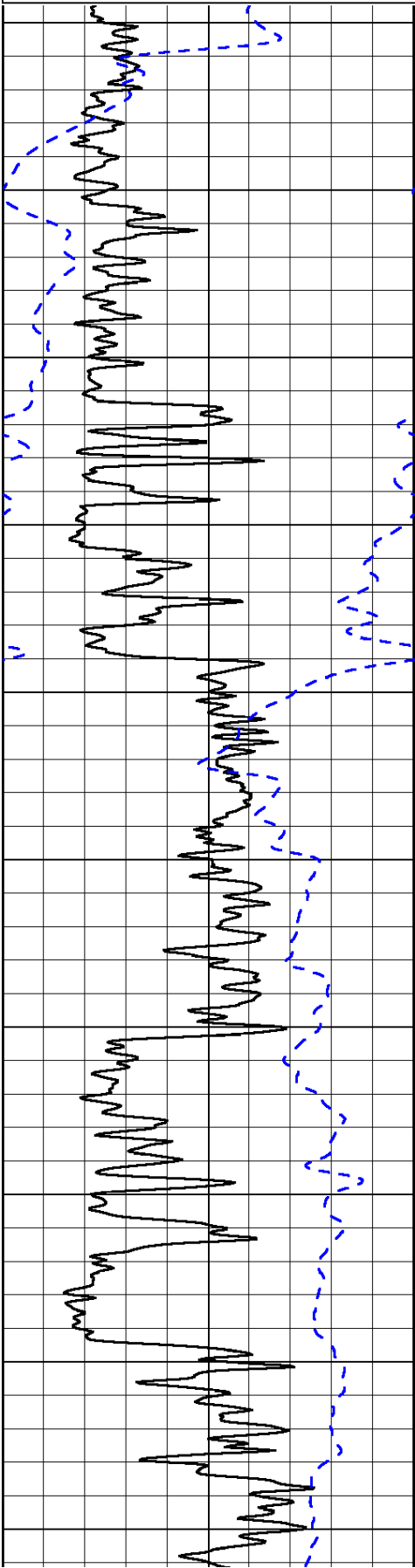
Comments

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

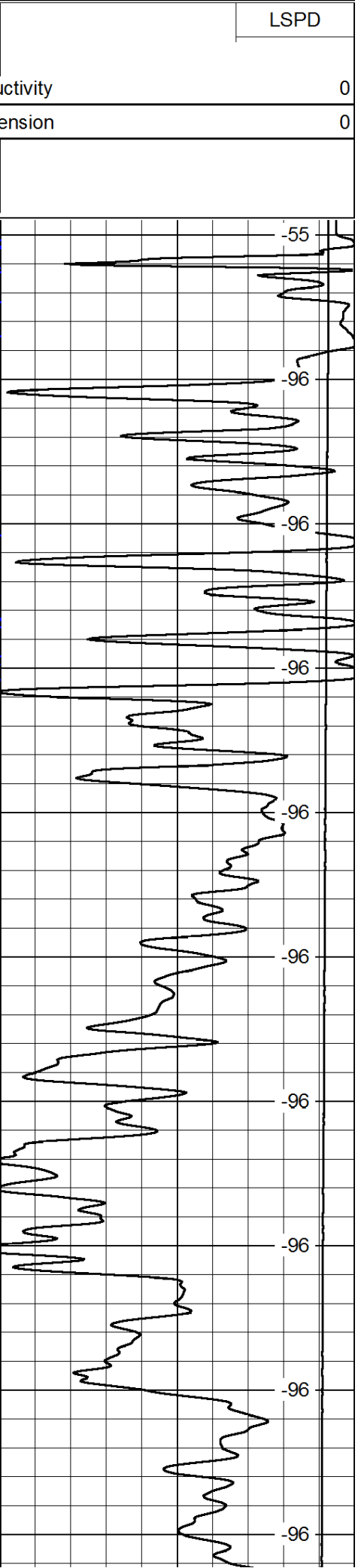
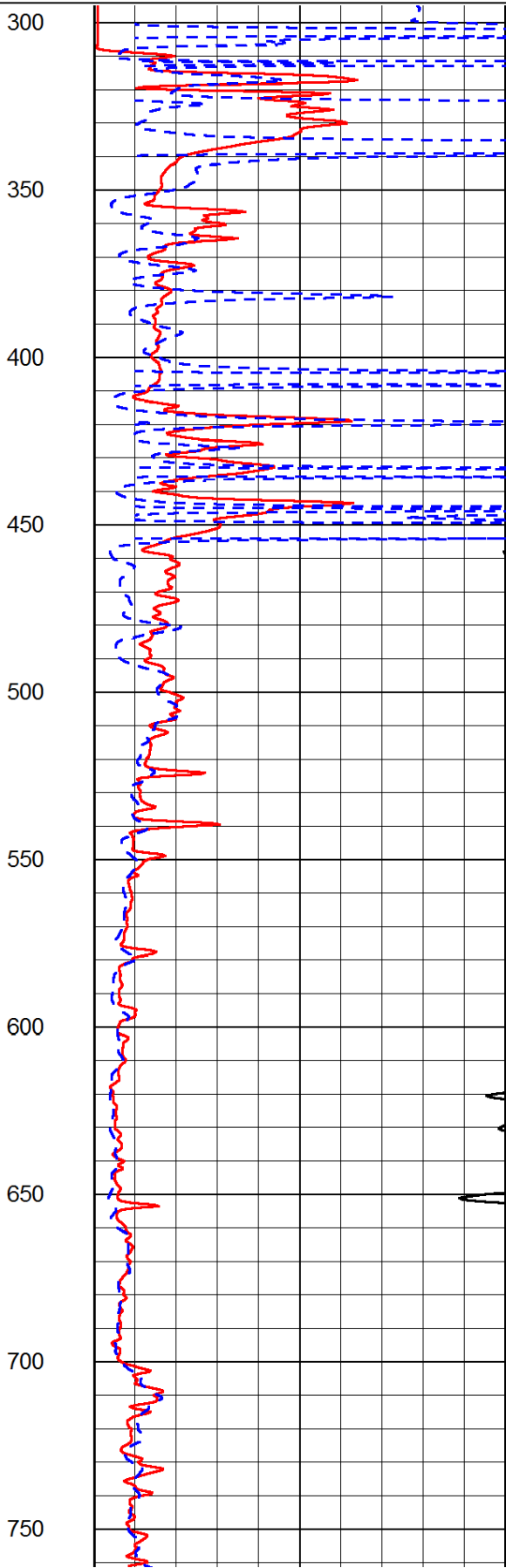
Jetmore, 6 South to G Road, 1 East to SE 219 Road, 1 North, 1/4 East at farm house through cattle guard, North Into

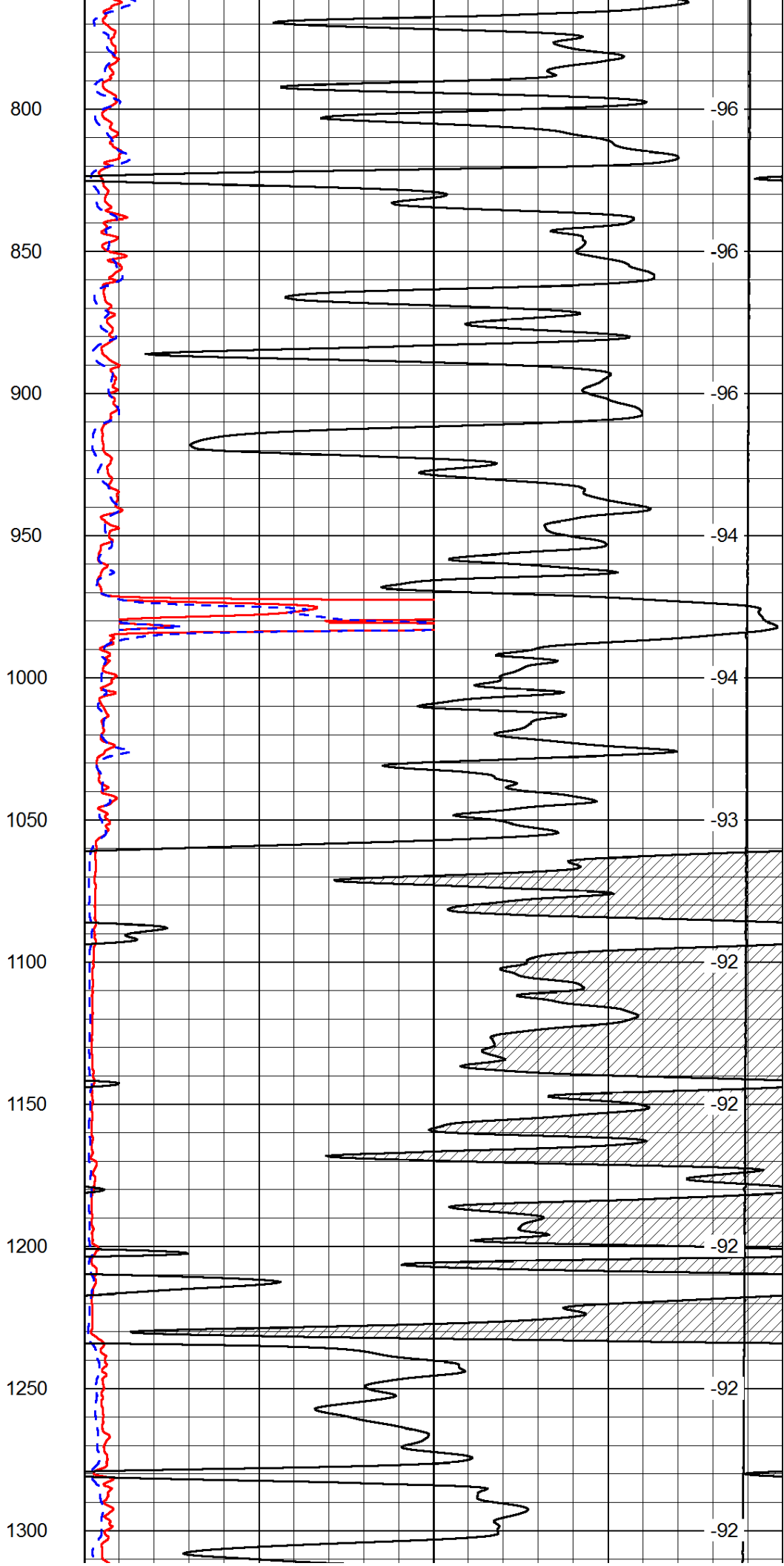
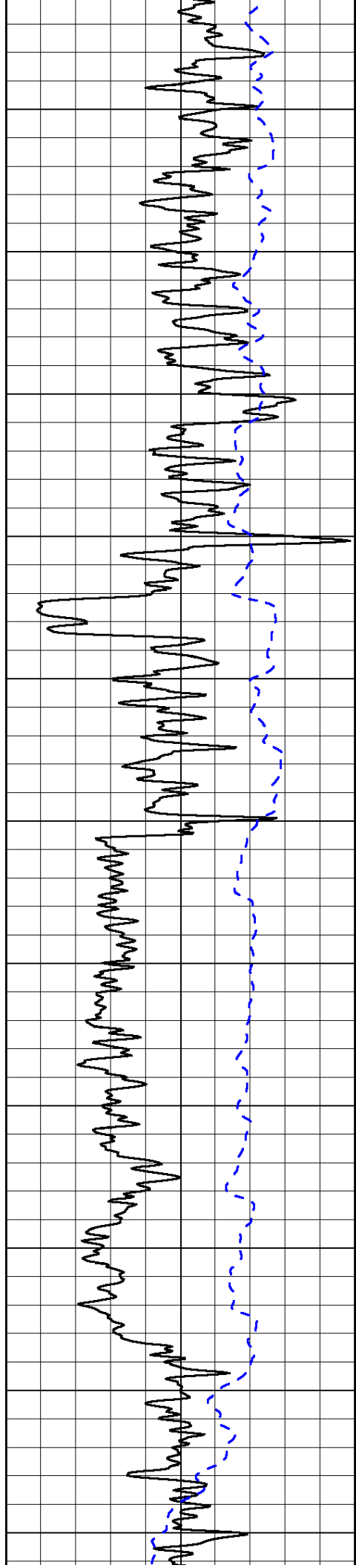
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Presentation Format: dil2in
Dataset Creation: Sat Nov 03 22:58:02 2012
Charted by: Depth in Feet scaled 1:600

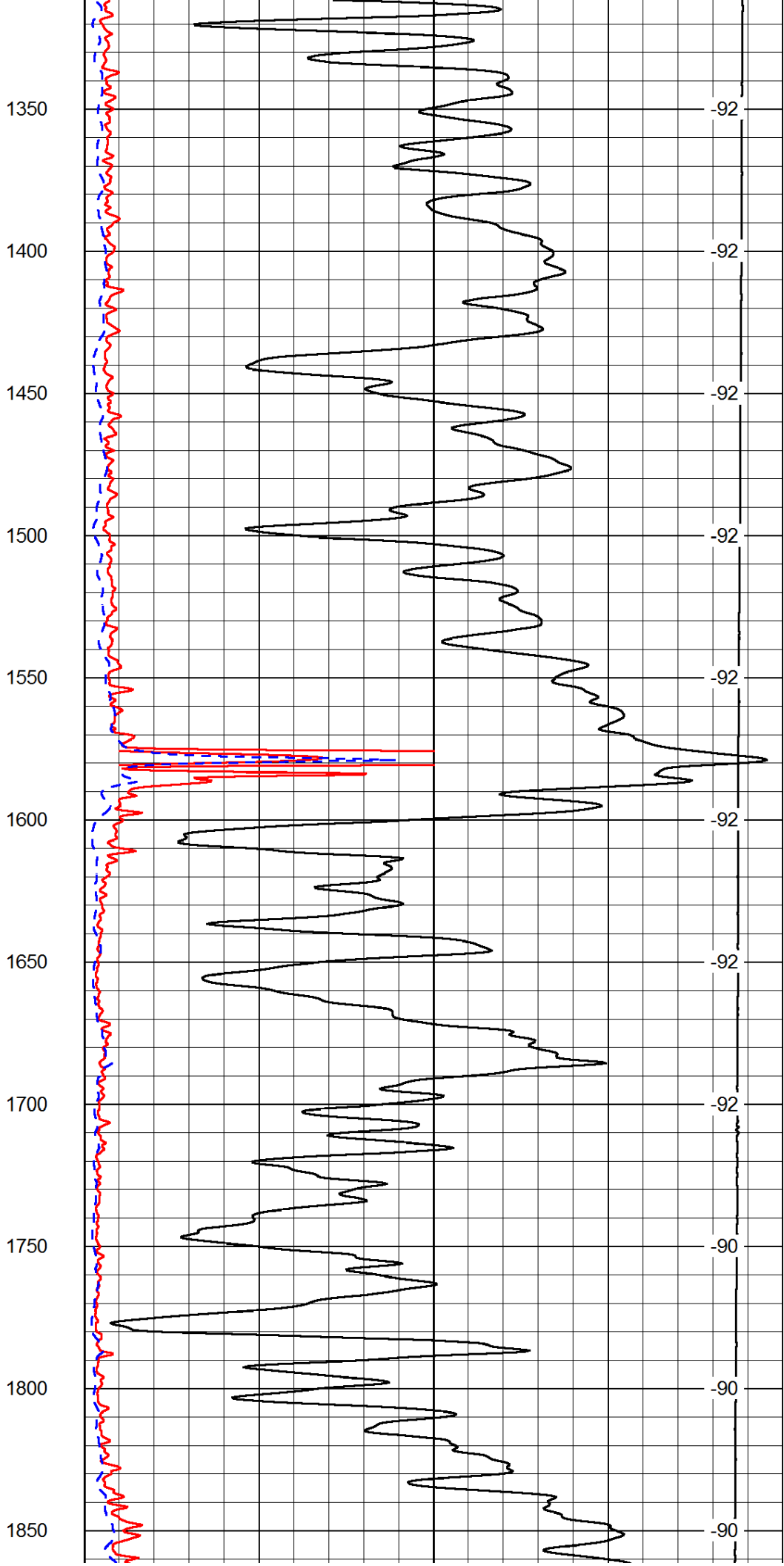
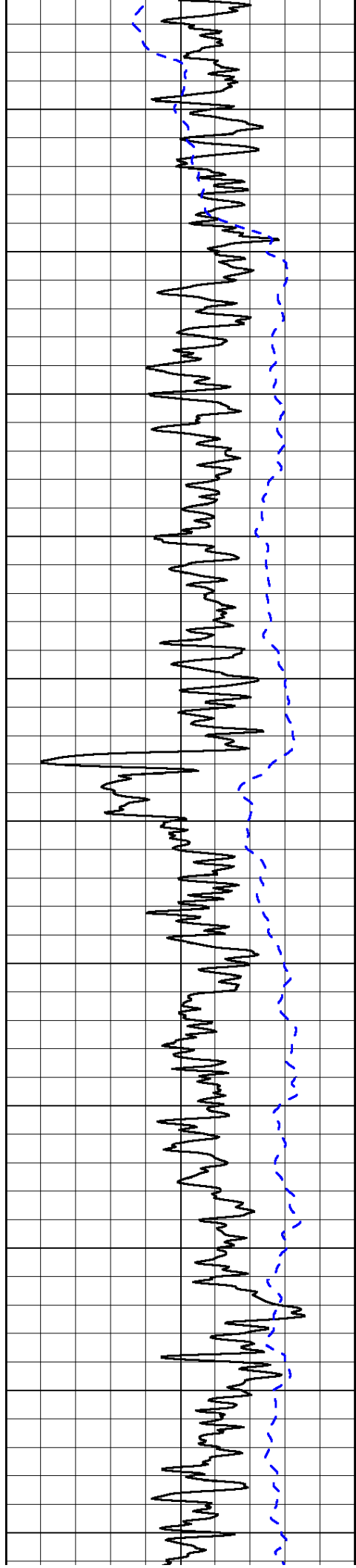
0	Gamma Ray	150
-200	SP (mV)	0

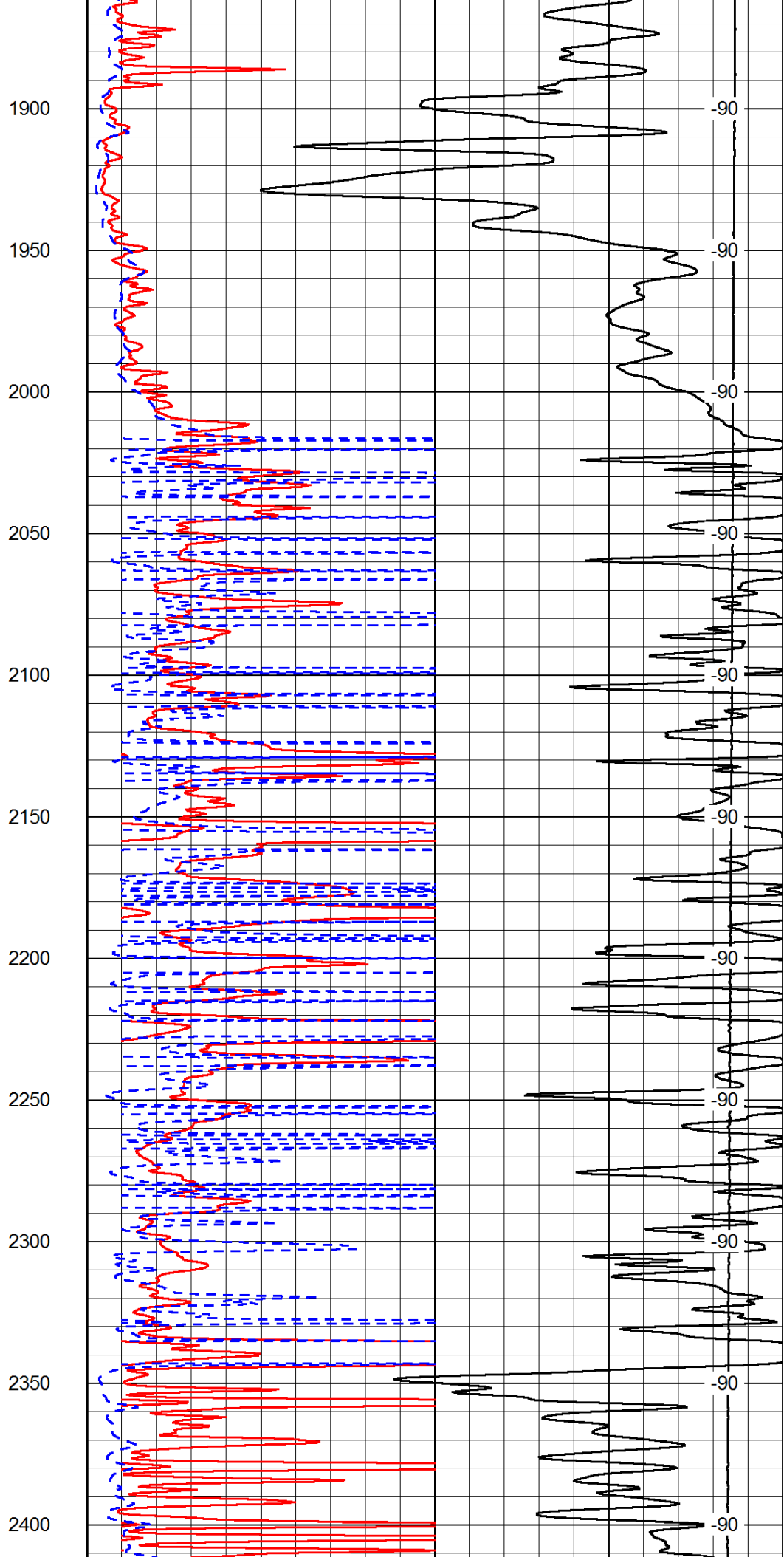
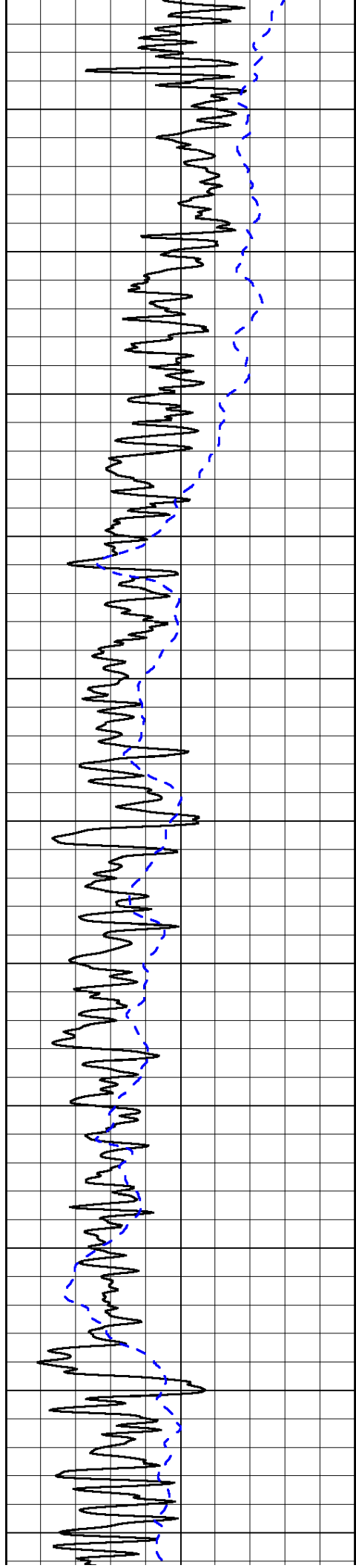


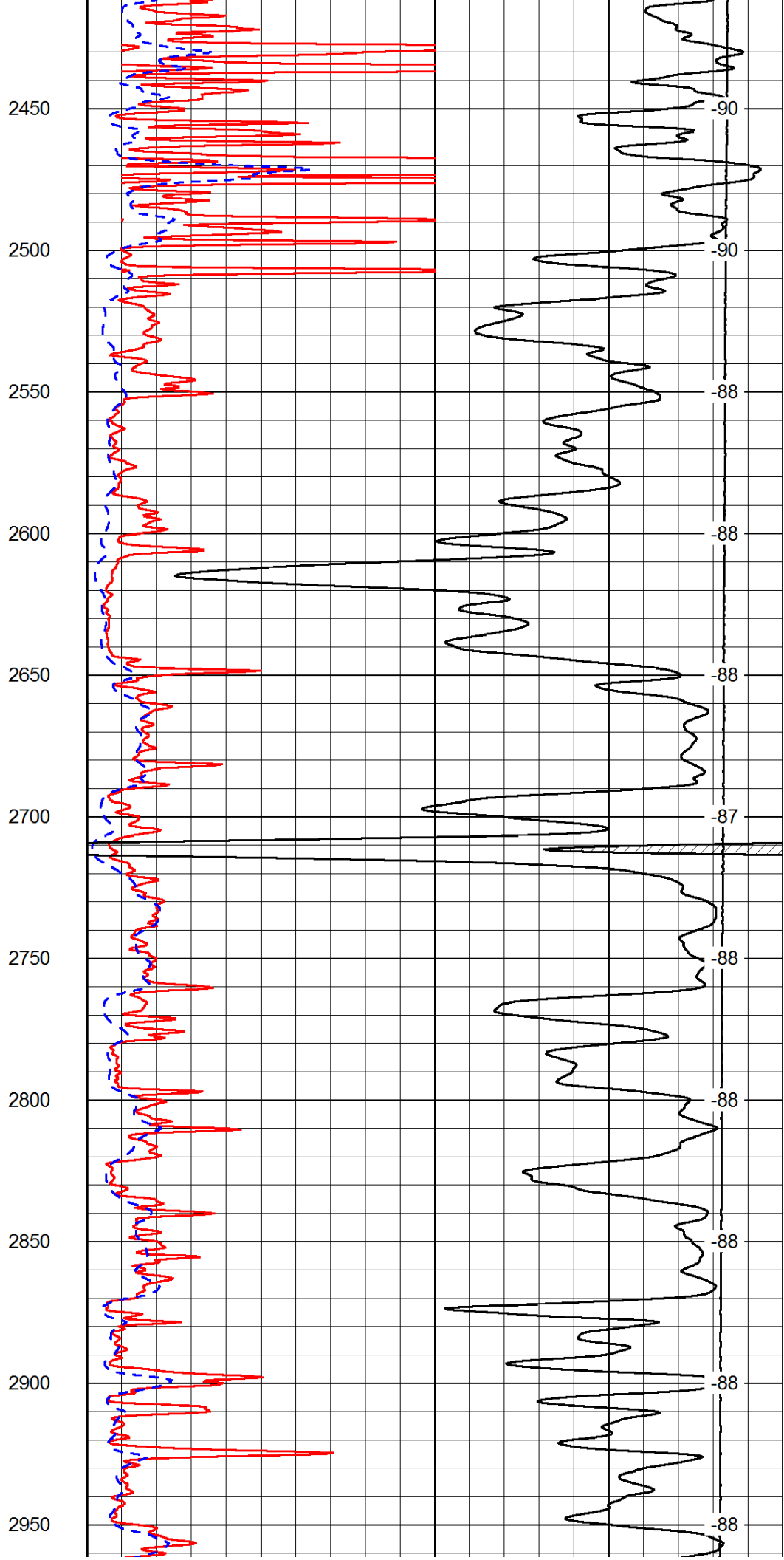
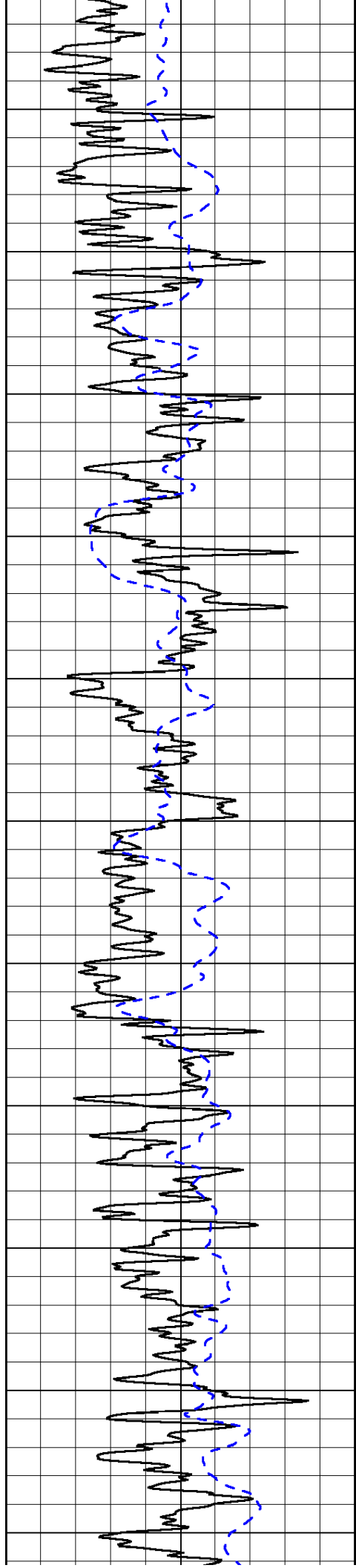
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

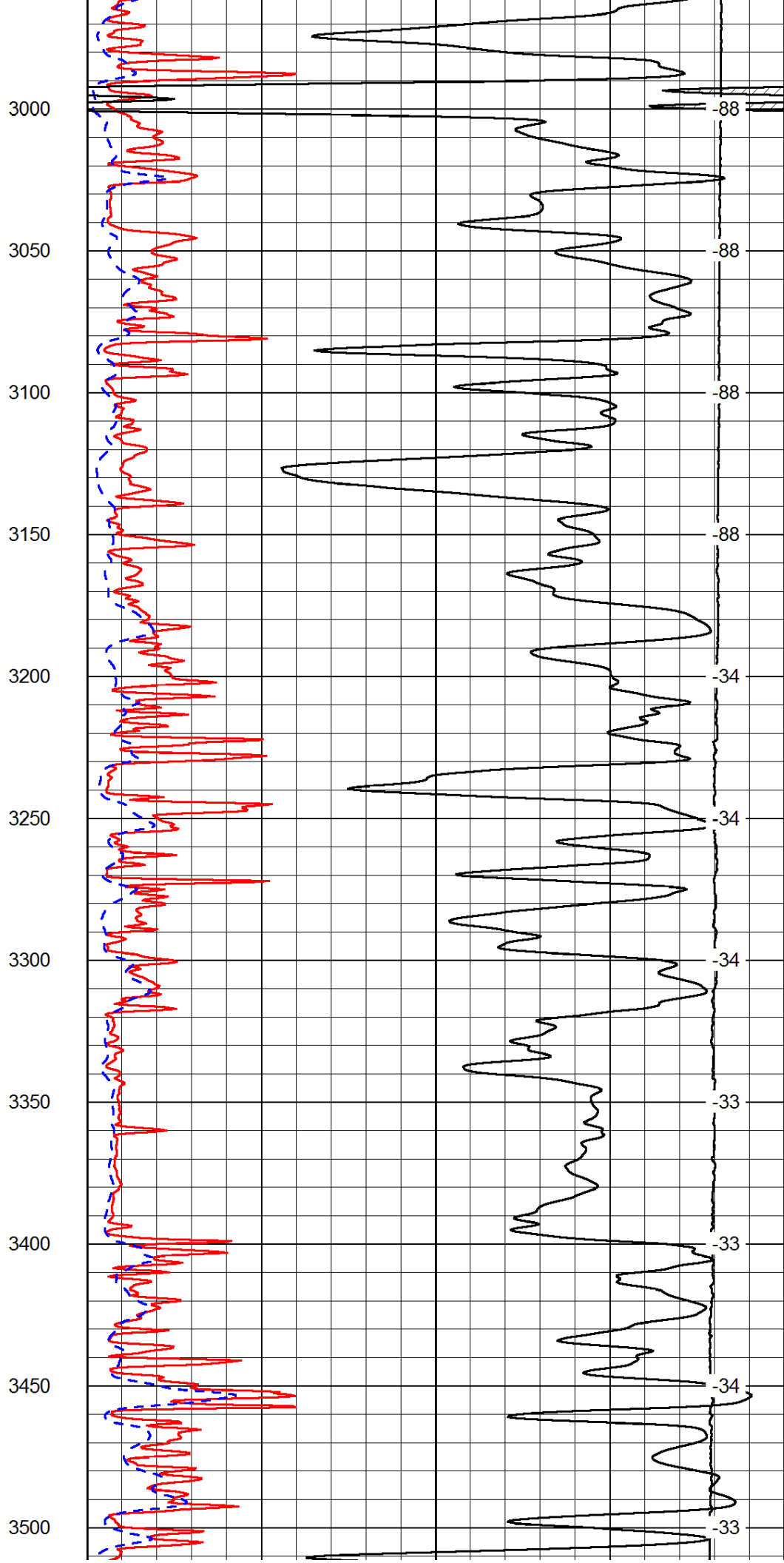
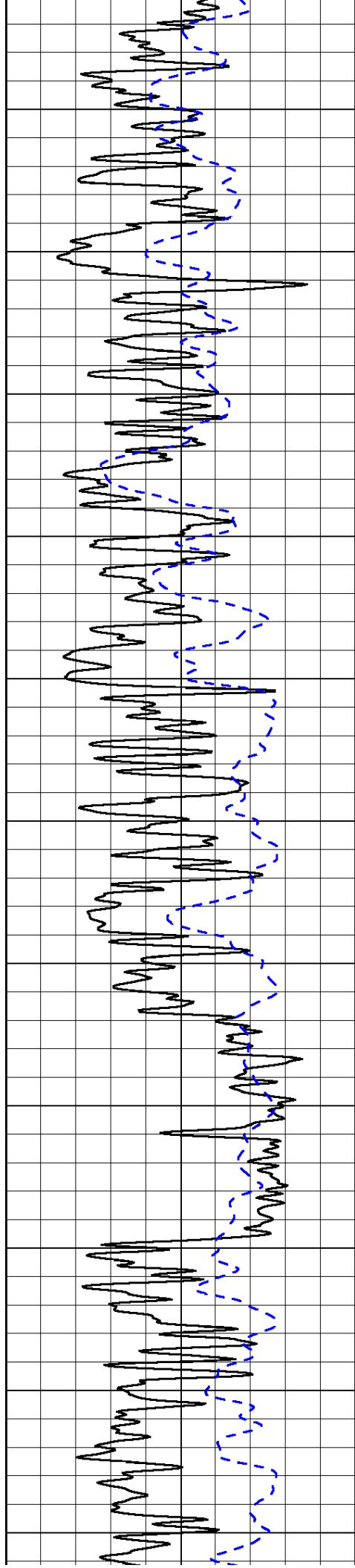


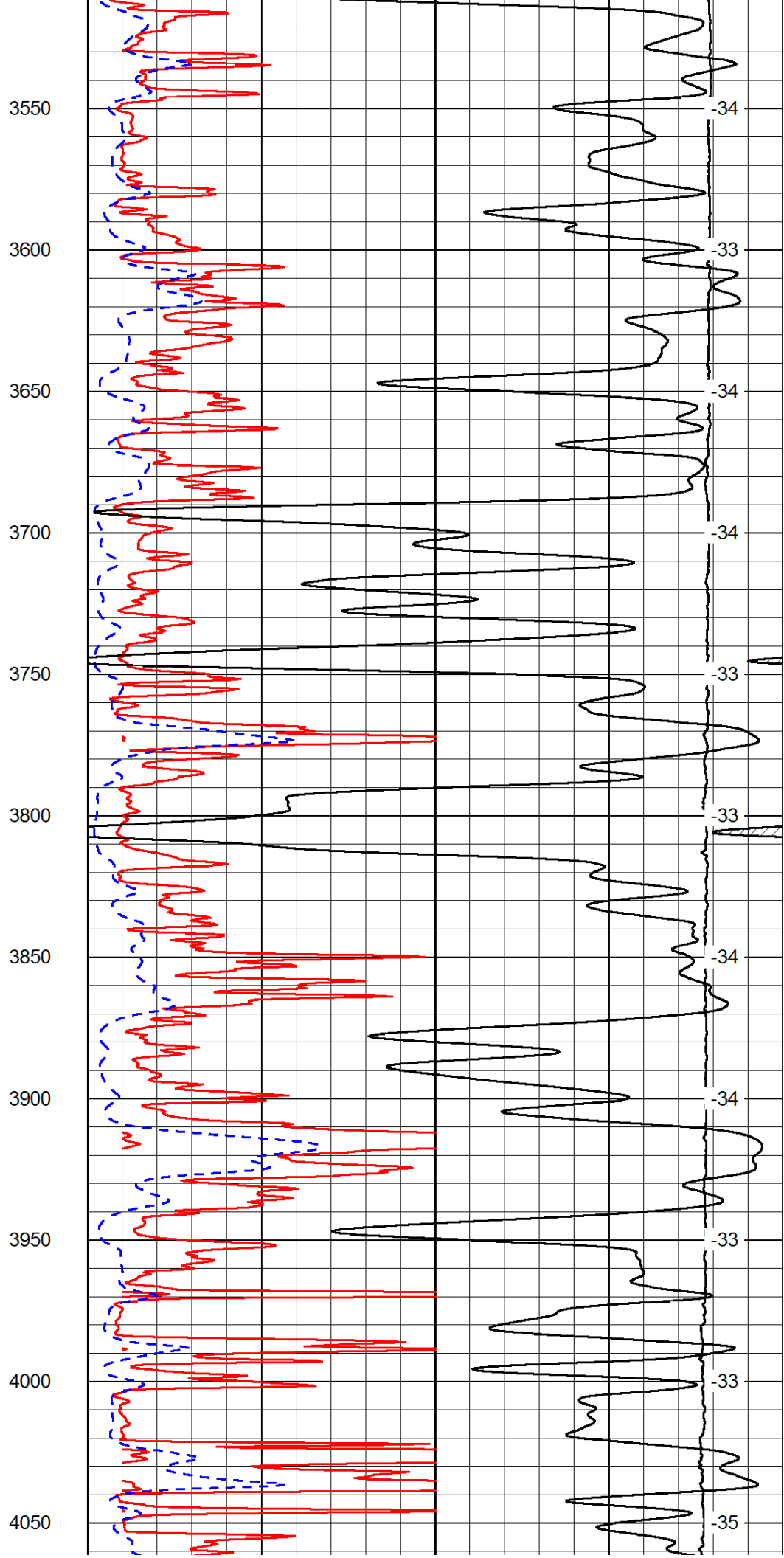
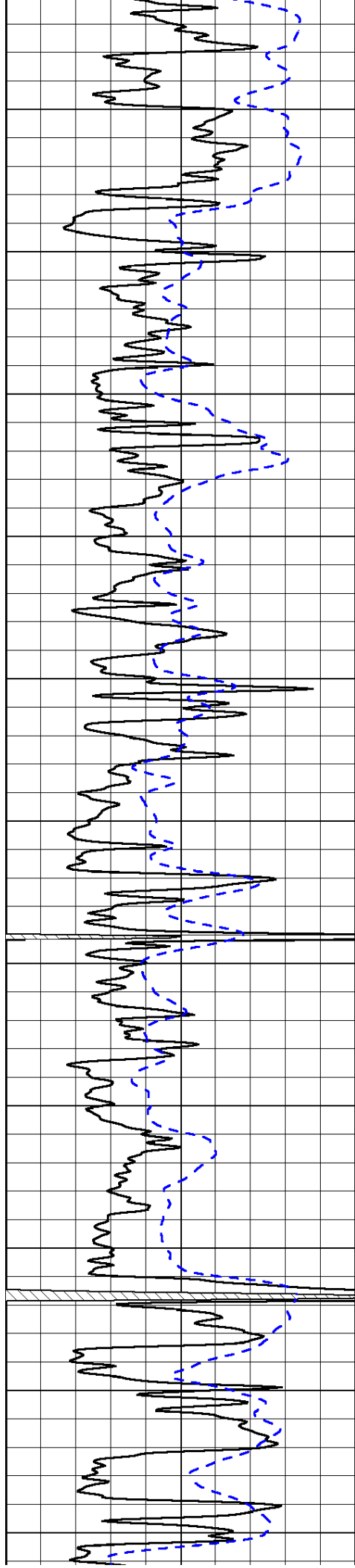


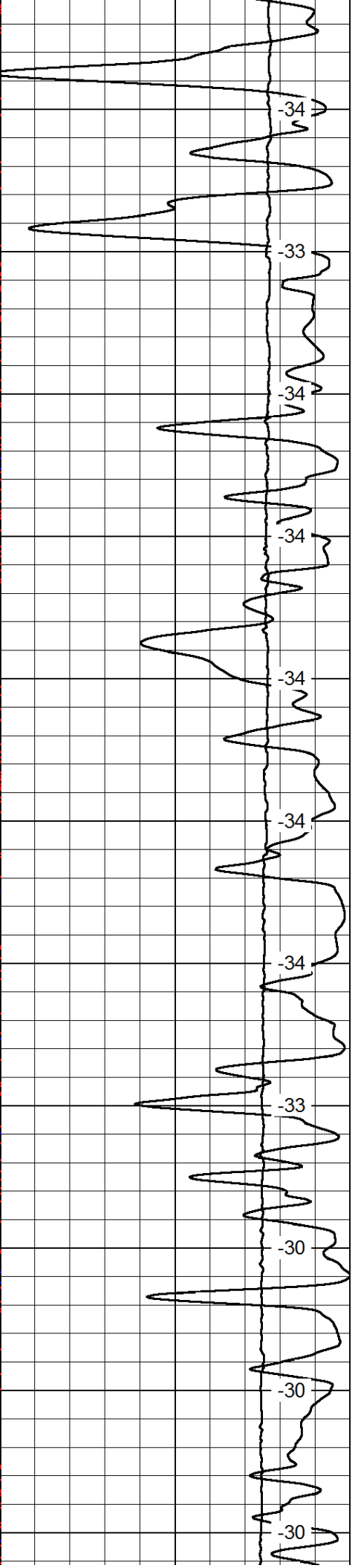
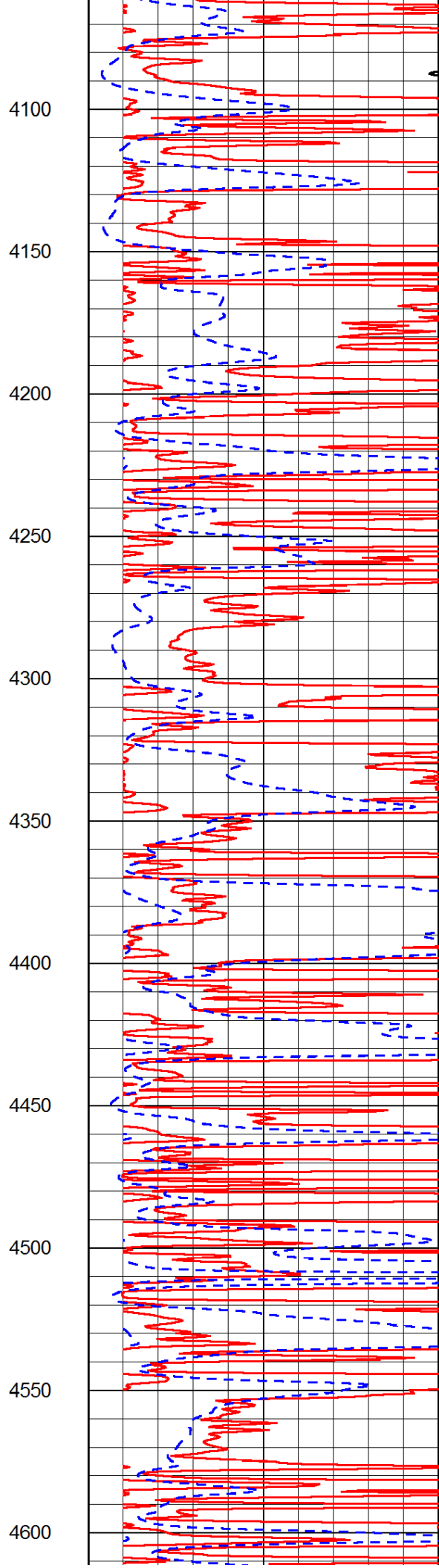
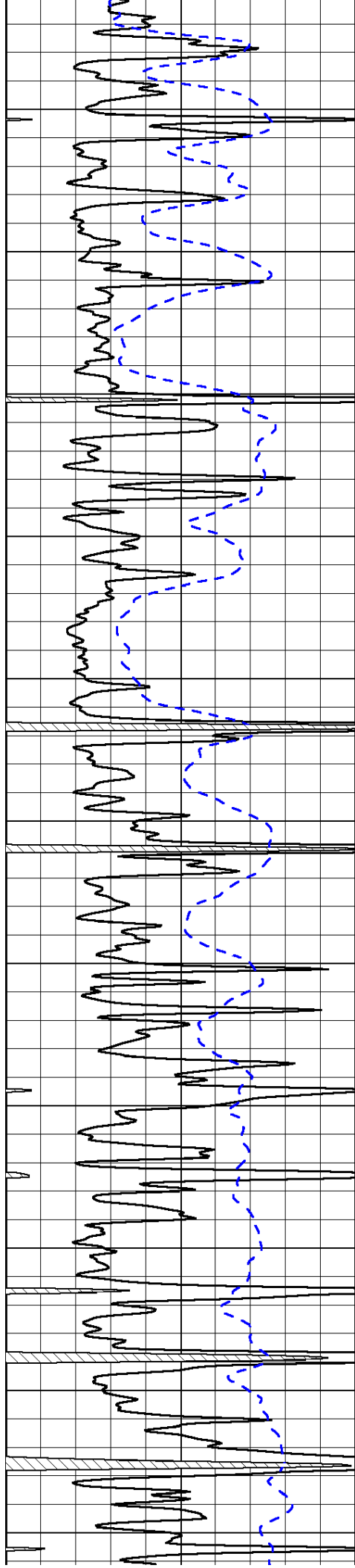


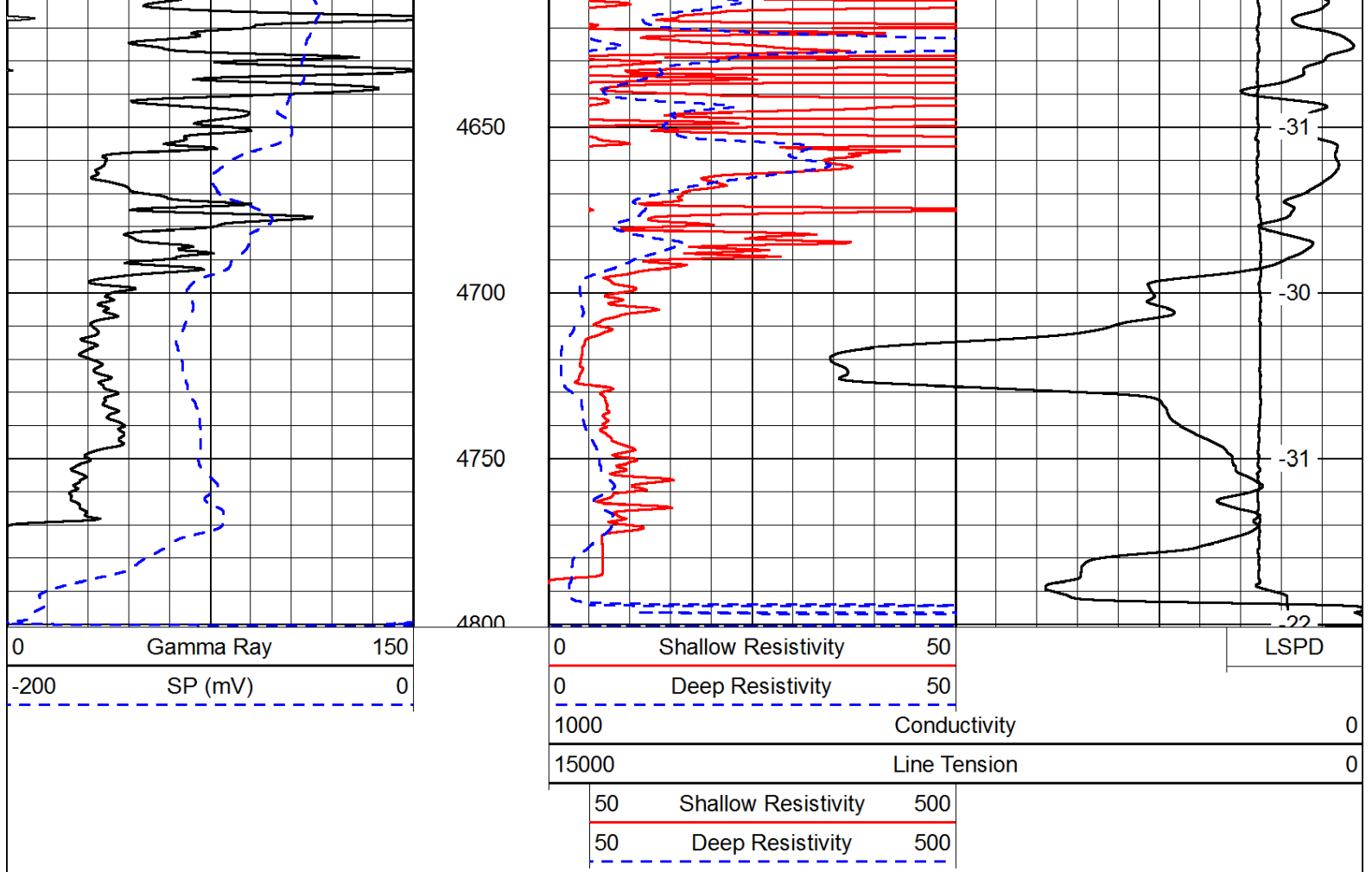




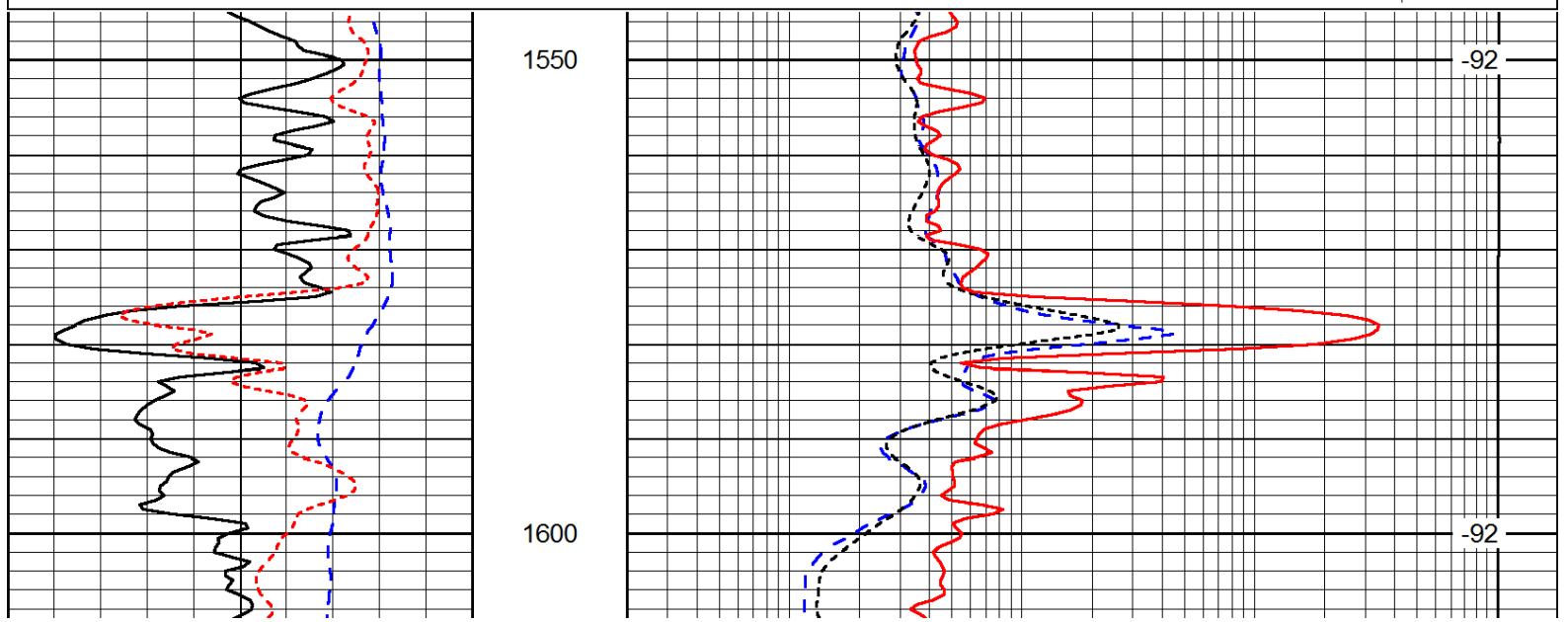
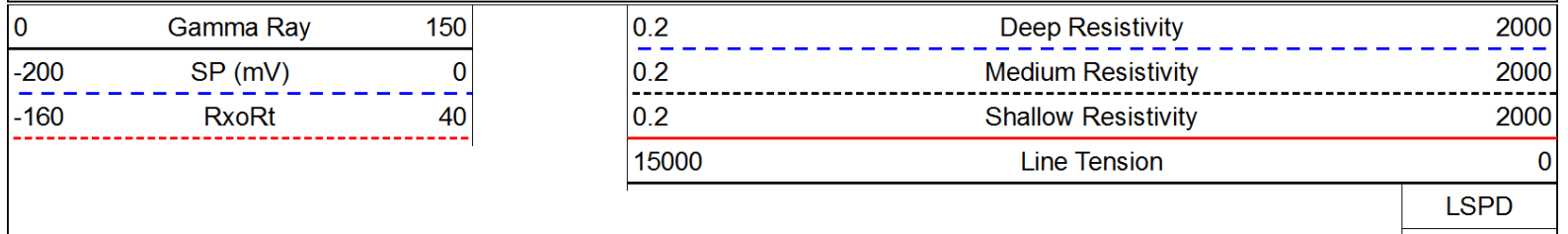


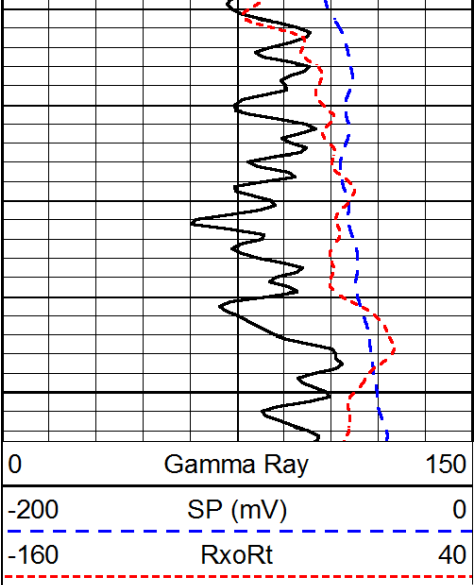




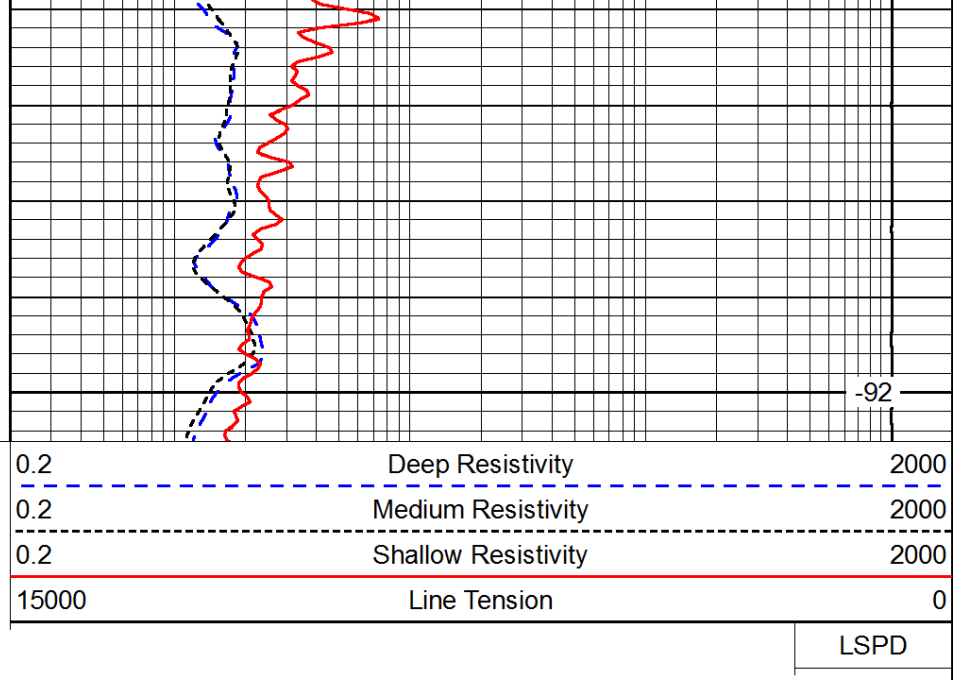


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 Dataset Creation: Sat Nov 03 22:58:02 2012
 Charted by: Depth in Feet scaled 1:240

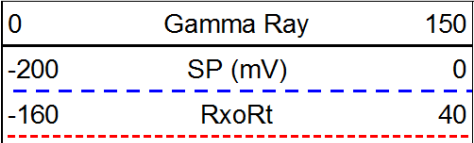




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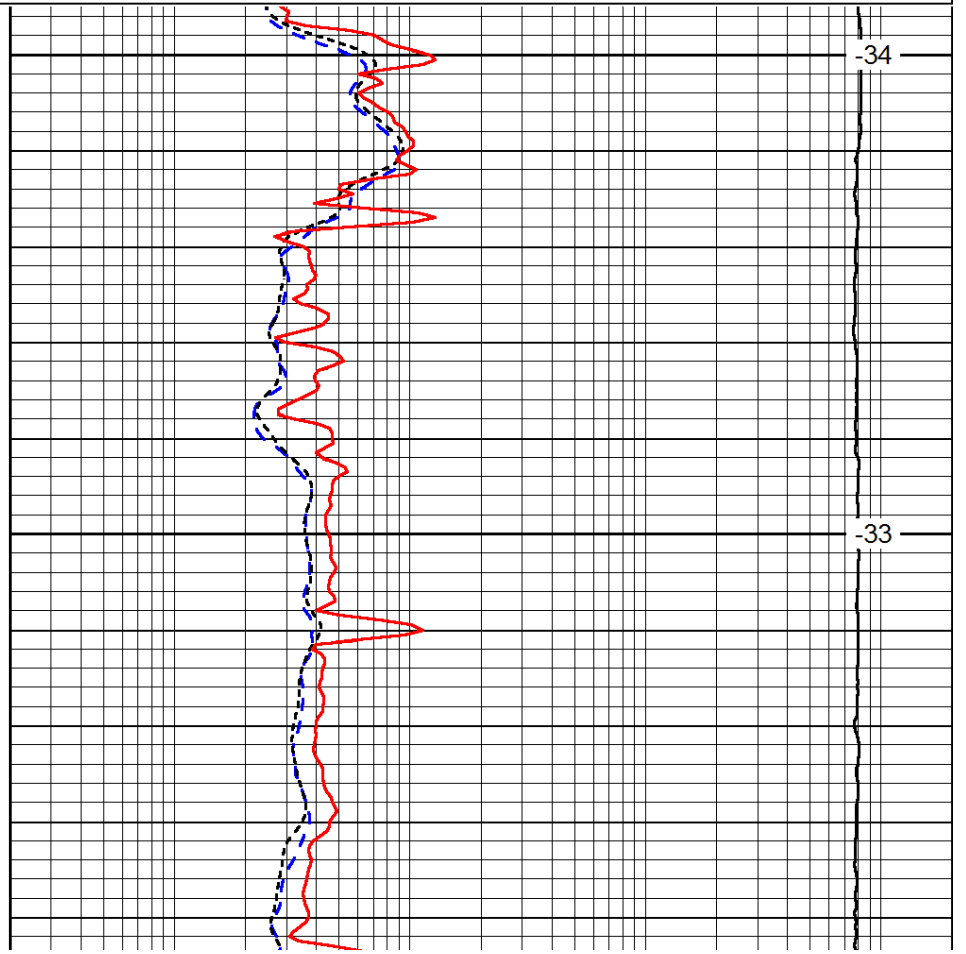
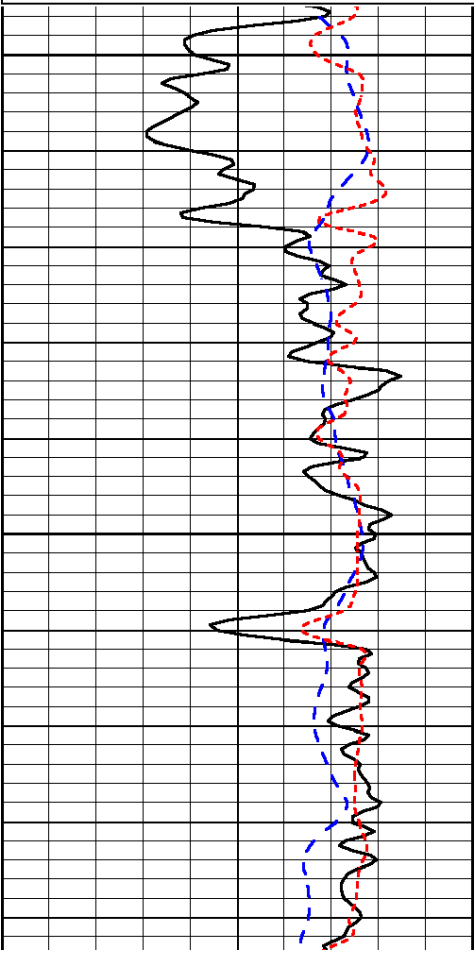
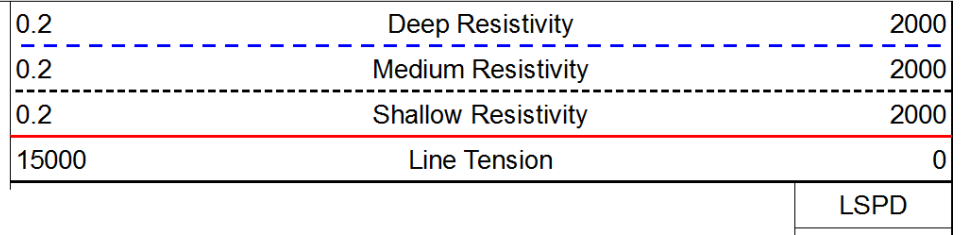


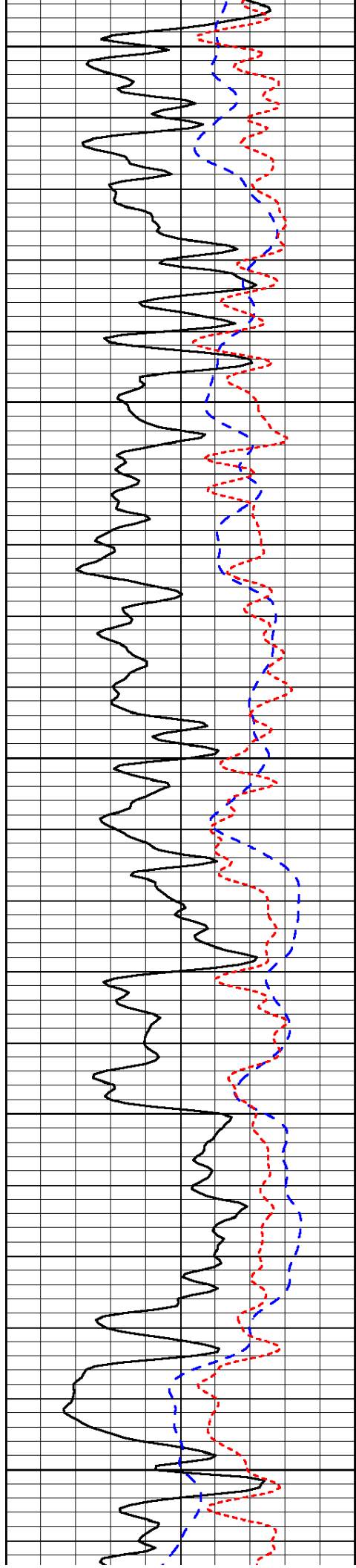
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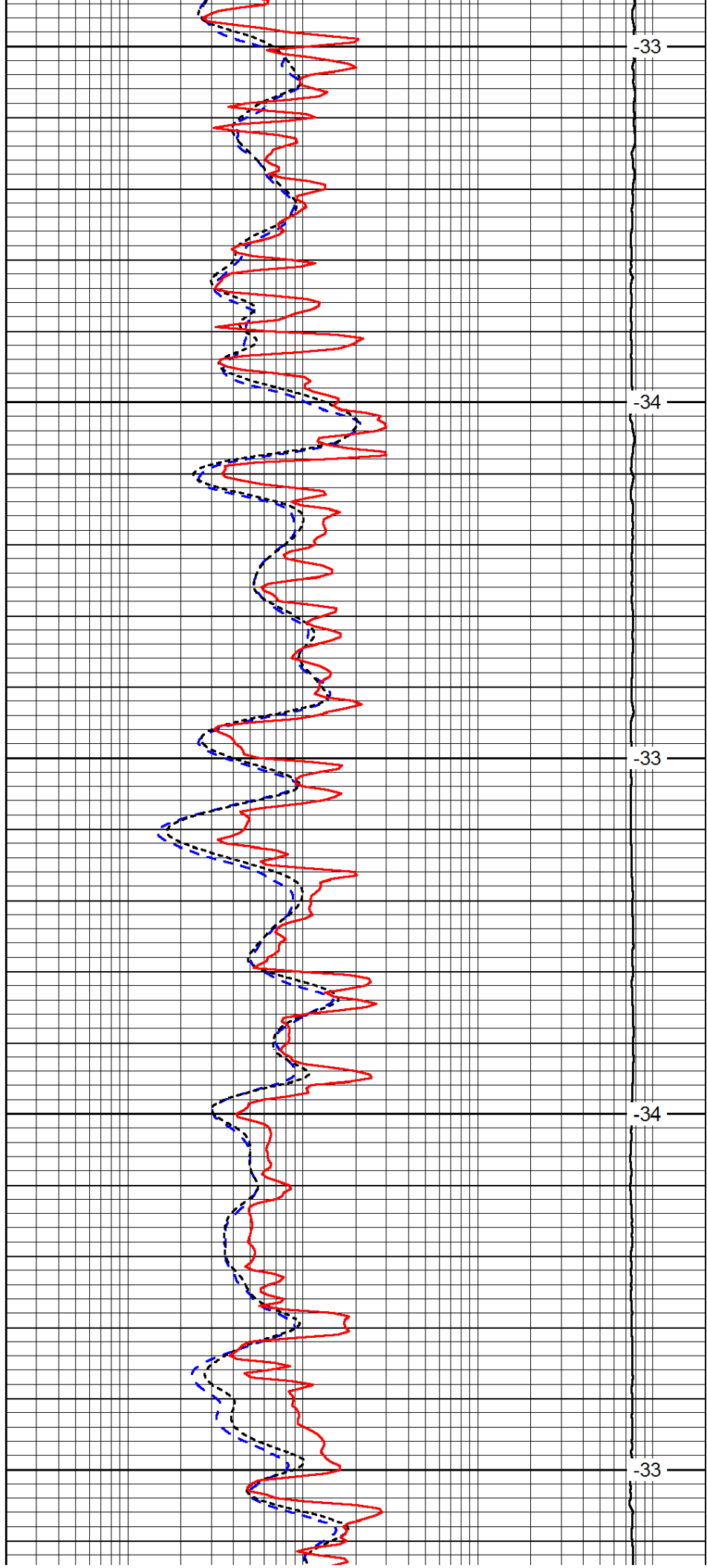
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3600



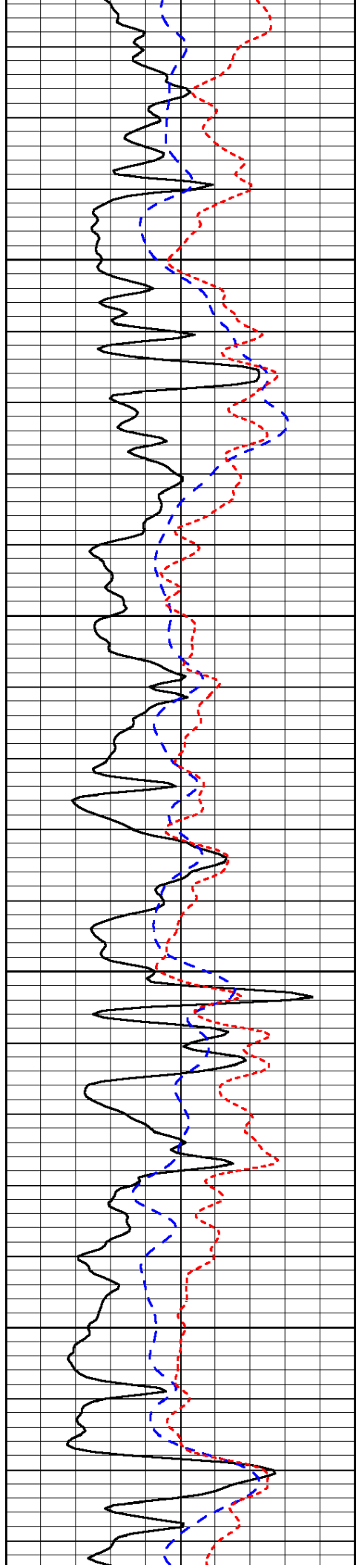
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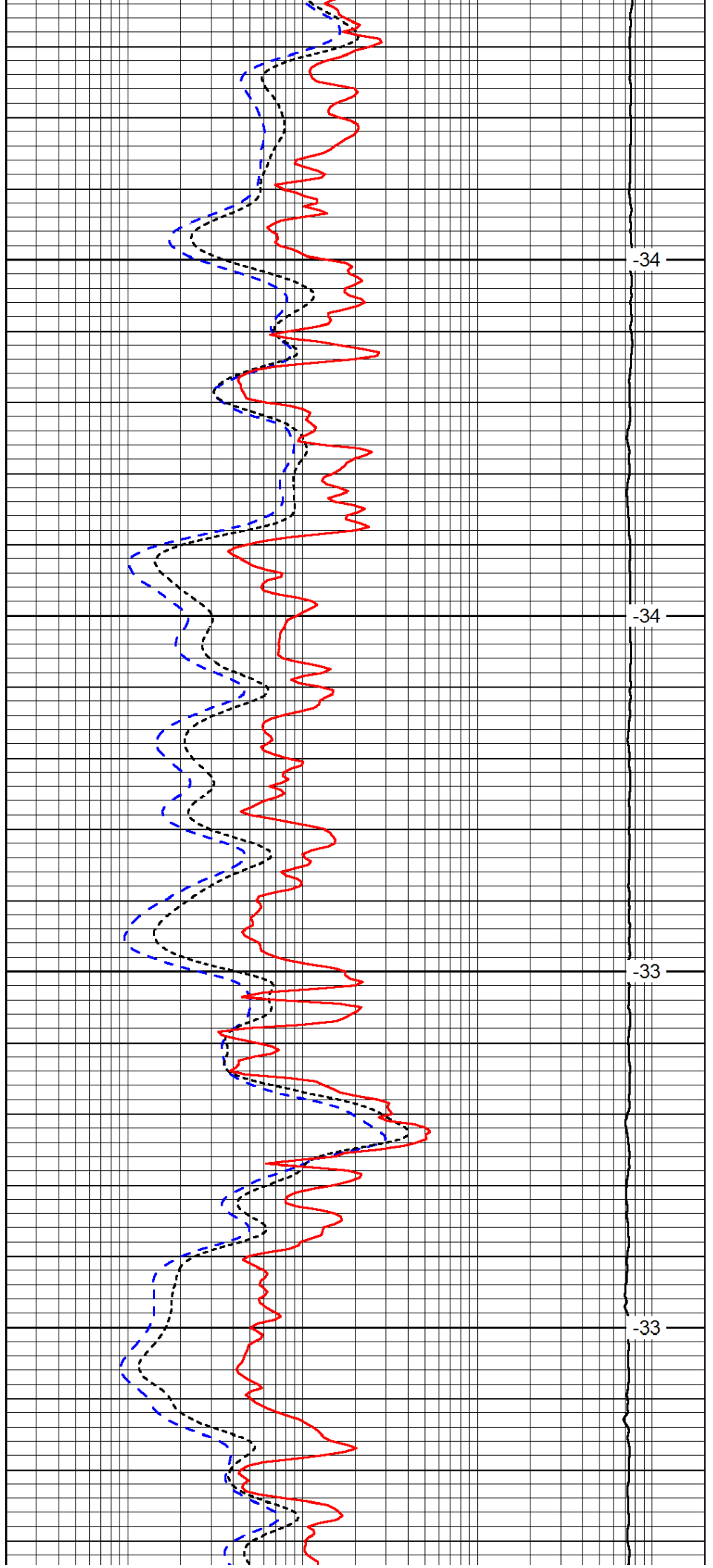


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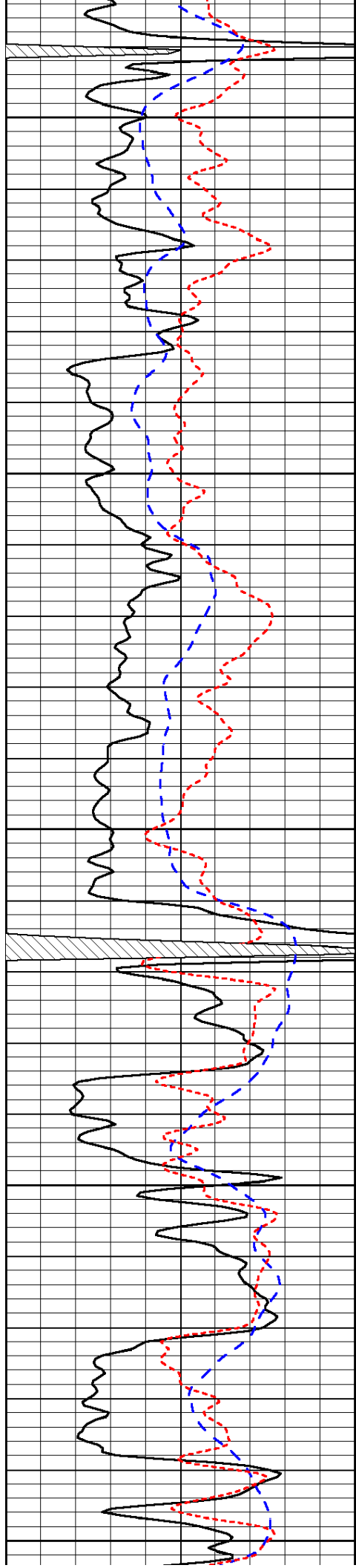


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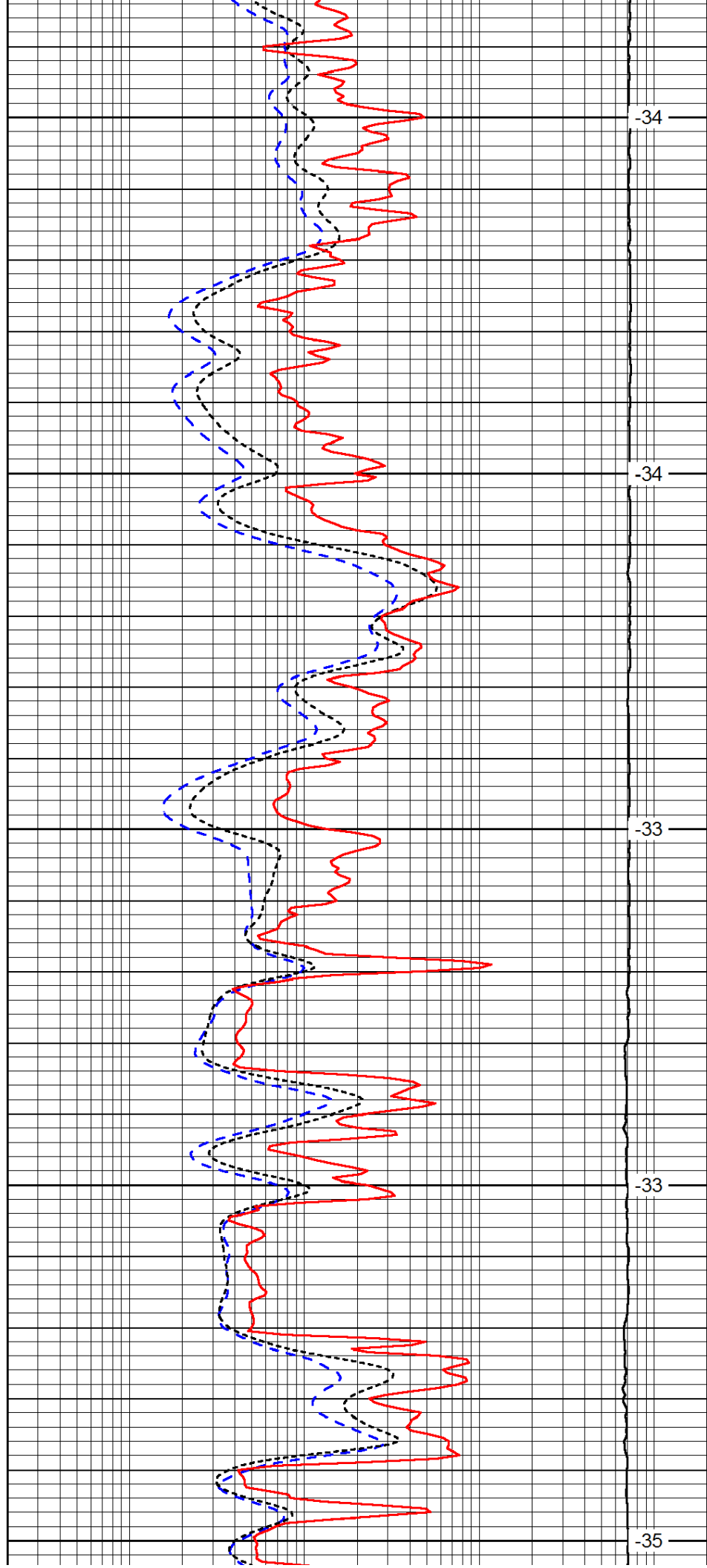
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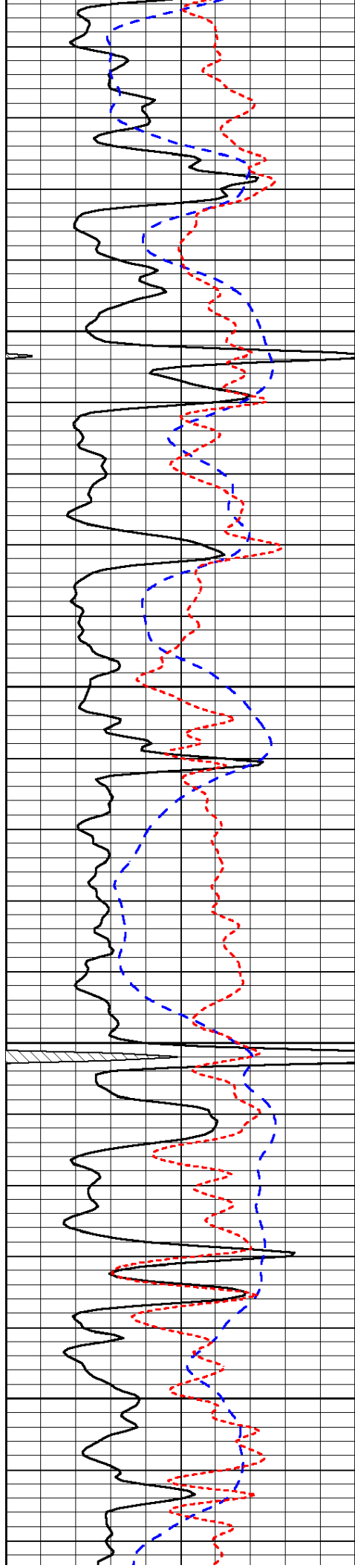
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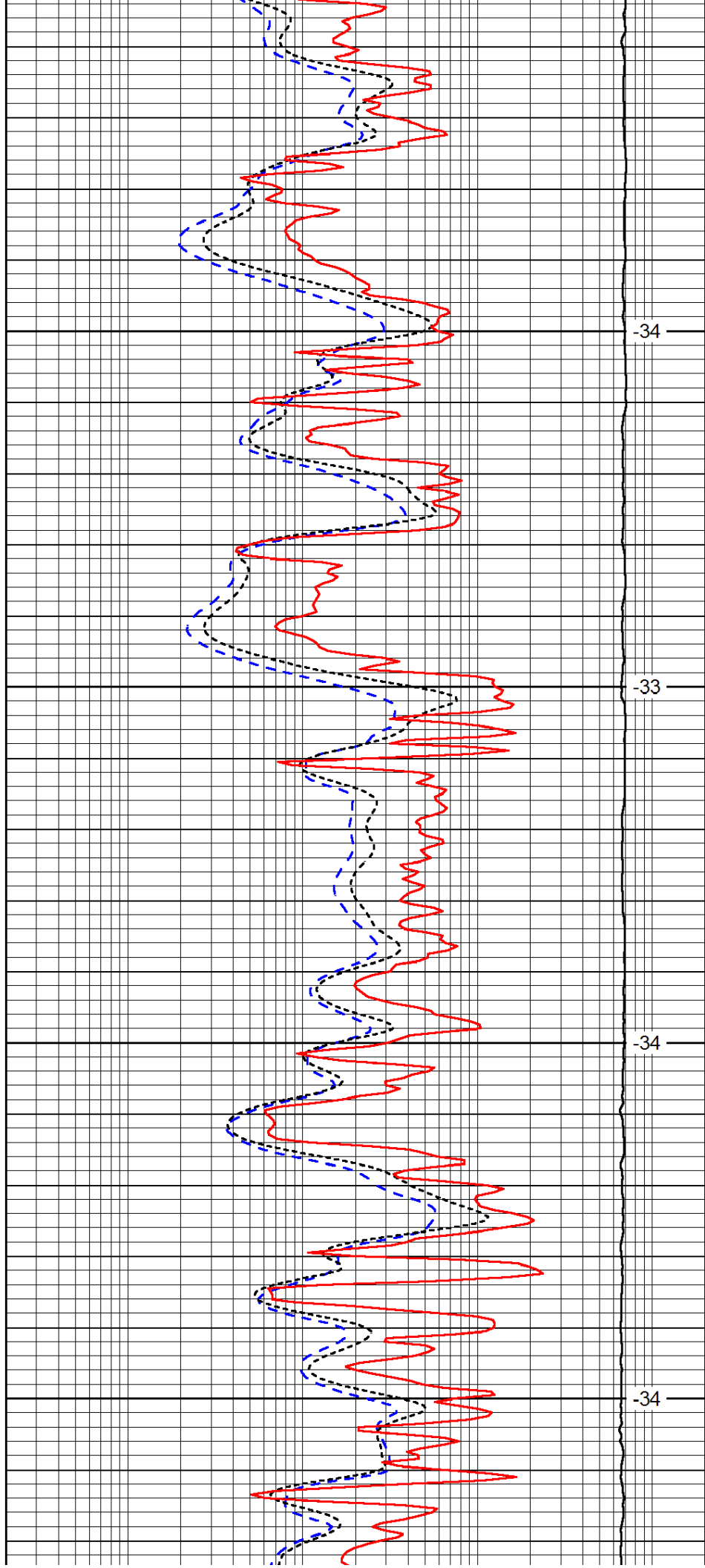


4100

4150

4200

4250

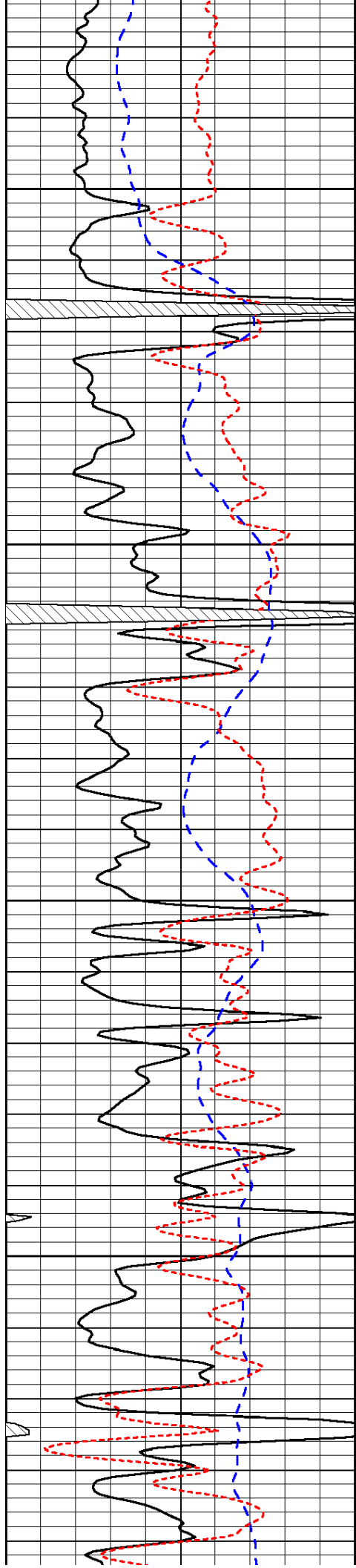


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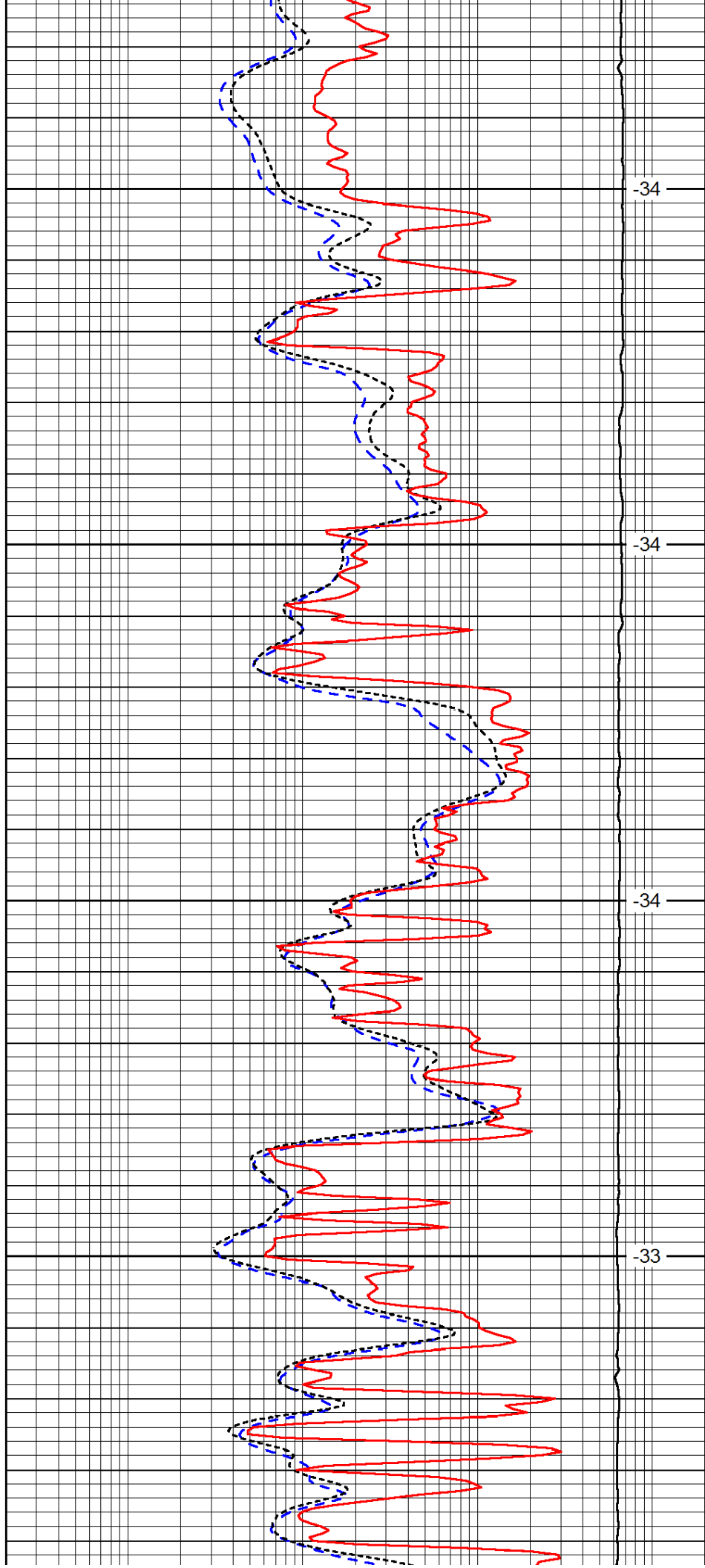


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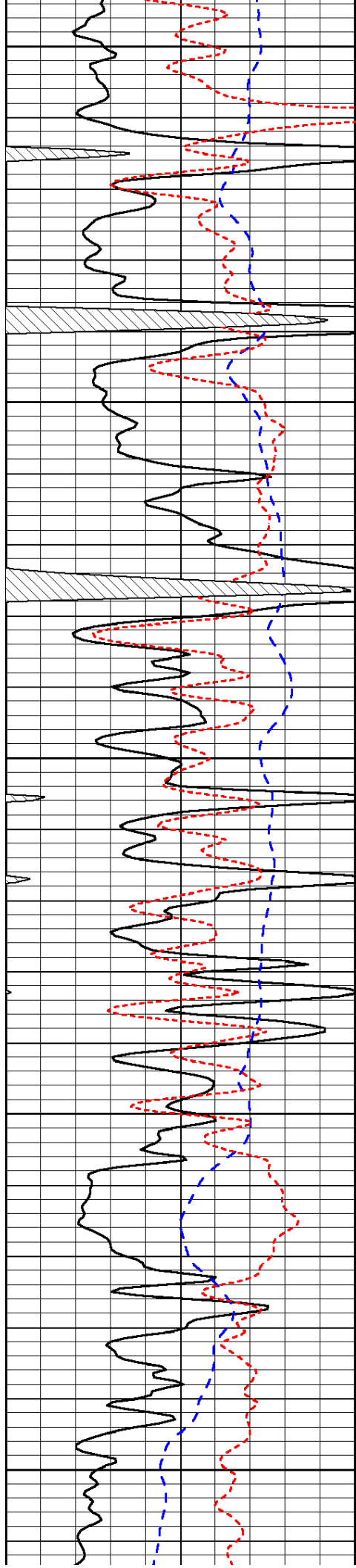


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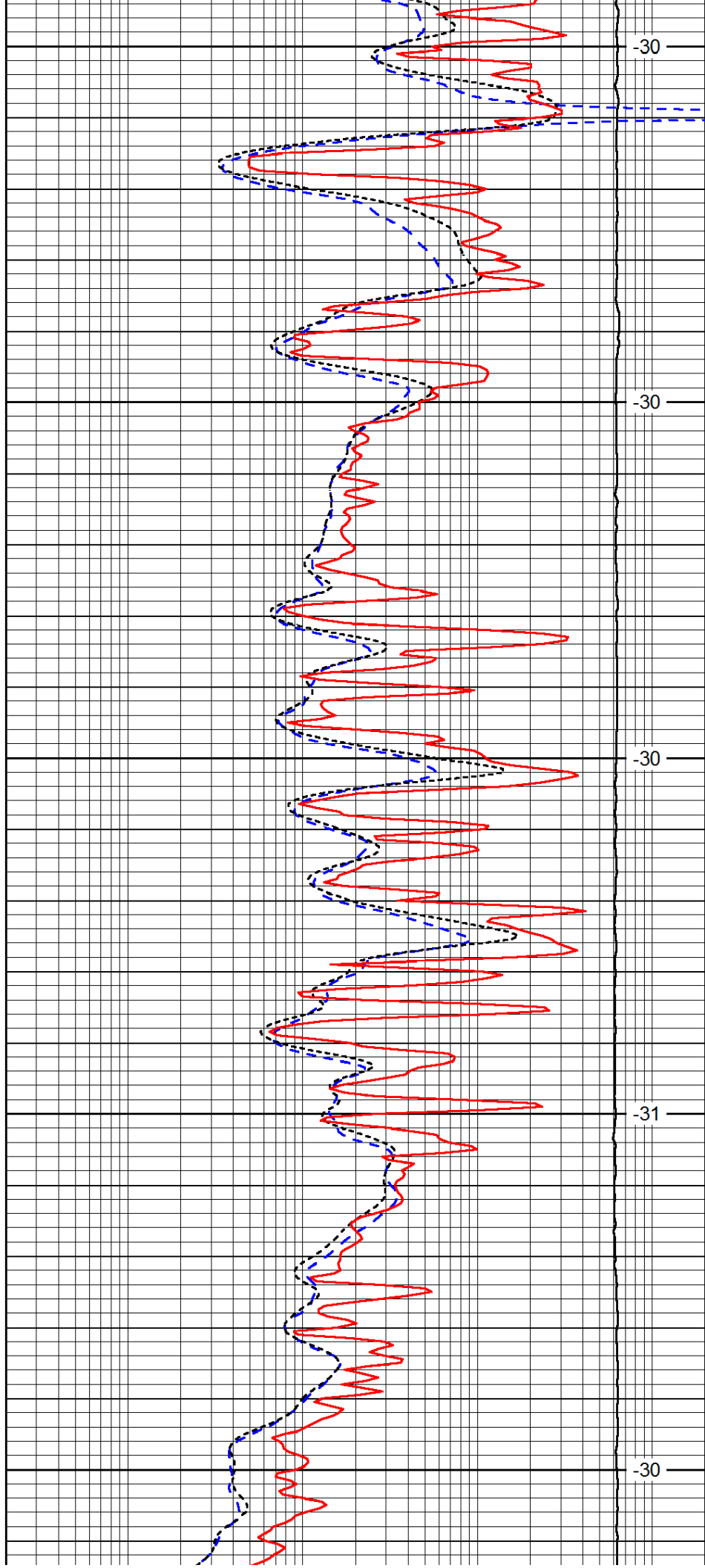
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4600

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4700



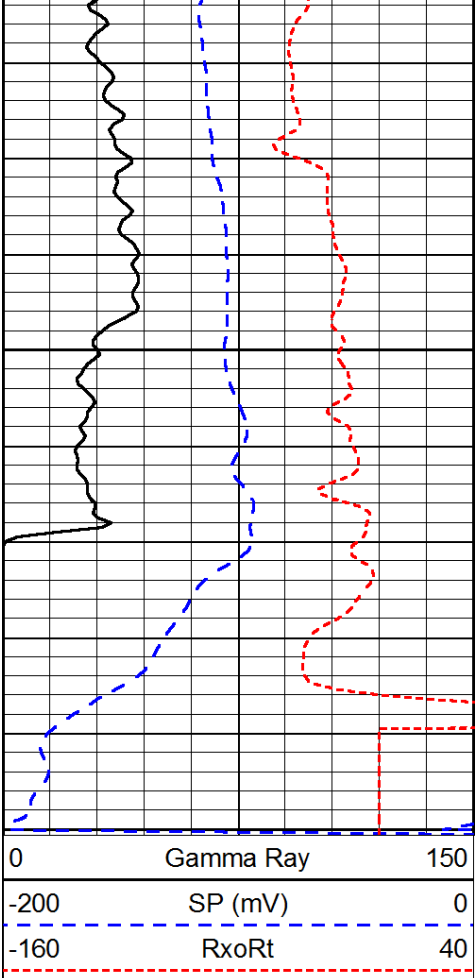
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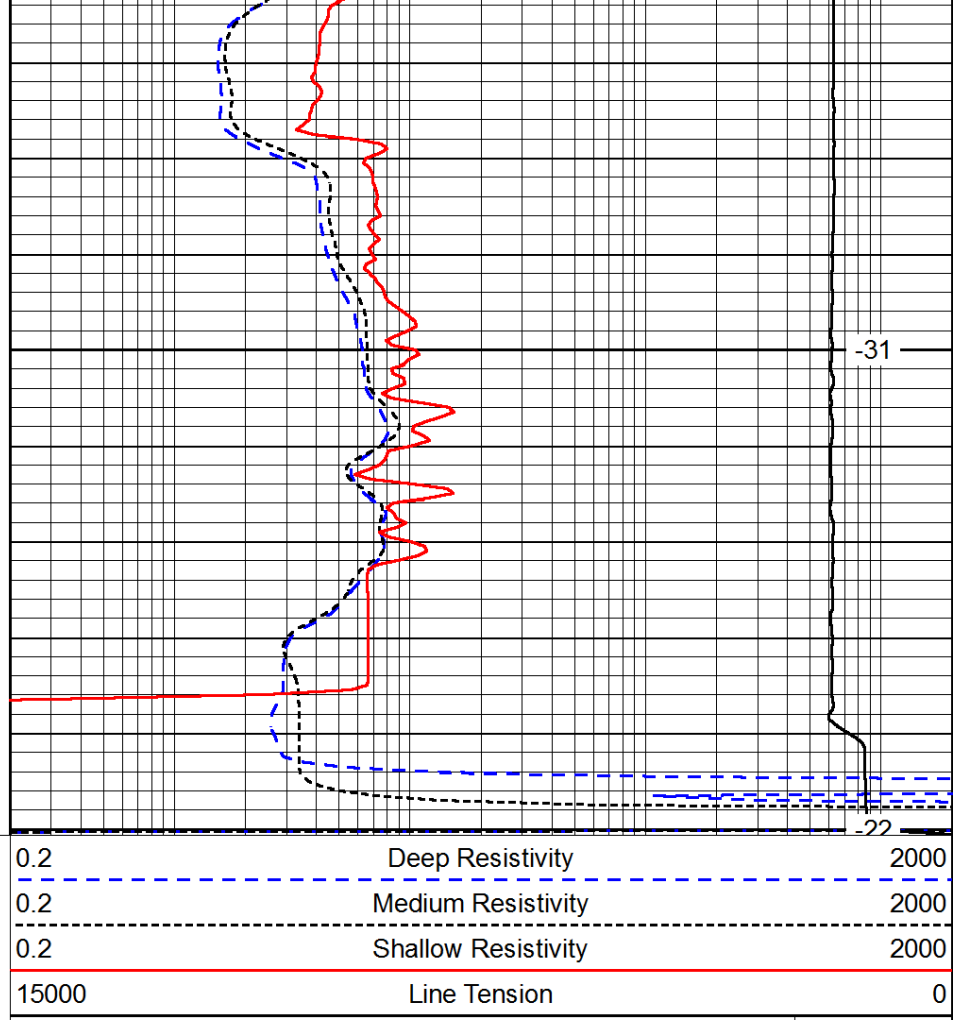
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4800



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LSPD