



Dual Induction Log

Pioneer Energy Services

API No.		Company Larson Engineering, Inc.	
15-101-22,466-00-00		Well Phyllis B #1-4	
Field Wildcat		County Lane State Kansas	
Location SW SE SE NE 2550' FNL & 340' FEL		Other Services CNL/CDL MEL	
Sec: 4 Twp: 19S Rge: 29W		Elevation	
Permanent Datum Ground Level		K.B. 2841	
Log Measured From Kelly Bushing		D.F. 2834	
Drilling Measured From Kelly Bushing		G.L. 2834	
Date	10/16/2013		
Run Number	One		
Depth Driller	4670		
Depth Logger	4670		
Bottom Logged Interval	4669		
Top Log Interval	250		
Casing Driller	8.625 @ 276		
Casing Logger	274		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3200		
Density / Viscosity	9.3 56		
pH / Fluid Loss	10.5 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.10 @ 64		
Rmf @ Meas. Temp	0.83 @ 64		
Rmc @ Meas. Temp	1.49 @ 64		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.57 @ 123		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	123		
Equipment Number	17		
Location	Hays		
Recorded By	D. Kerr		
Witnessed By	Vern Schrag		

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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

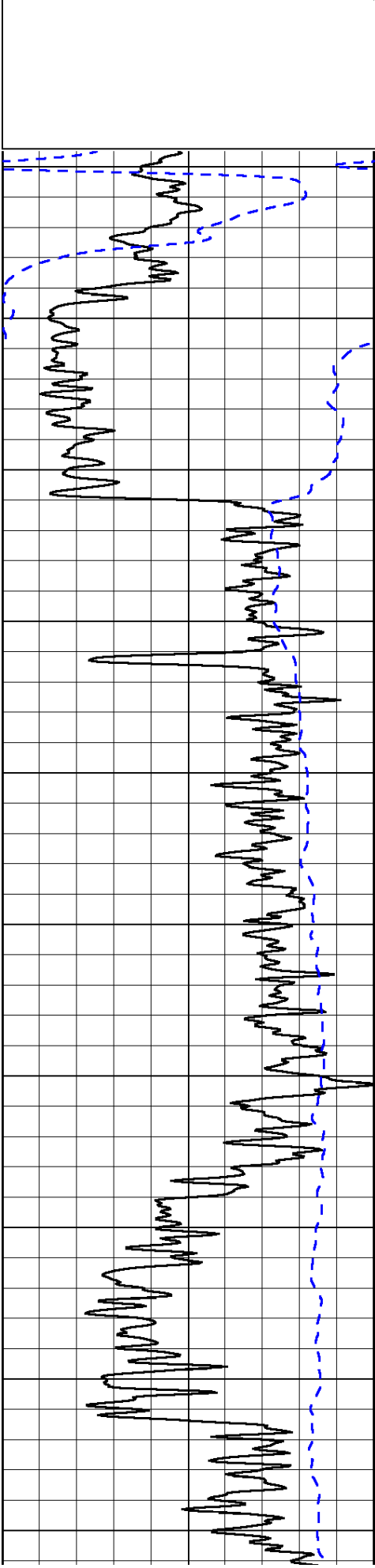
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Dighton KS, 3 West to Ike RD,
3 1/2 South, West Into

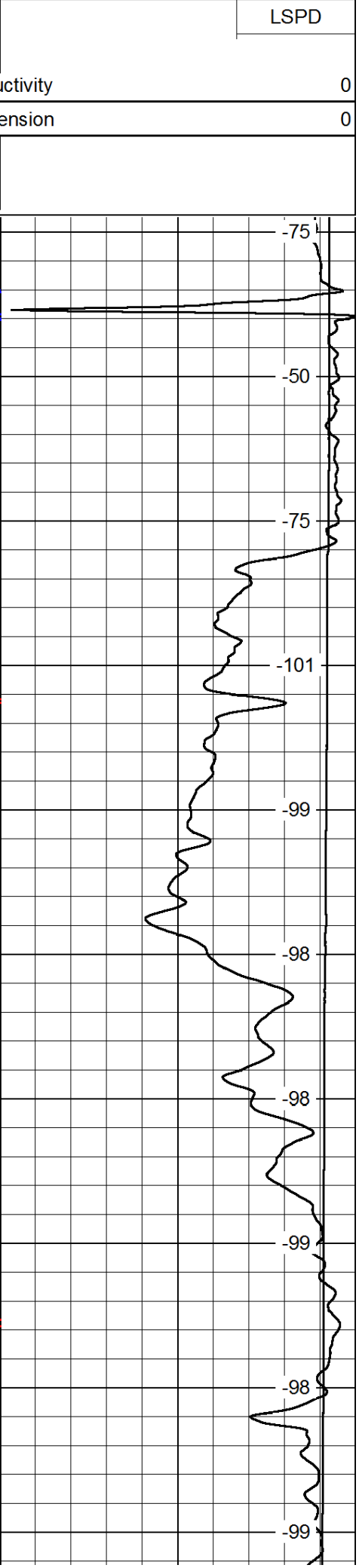
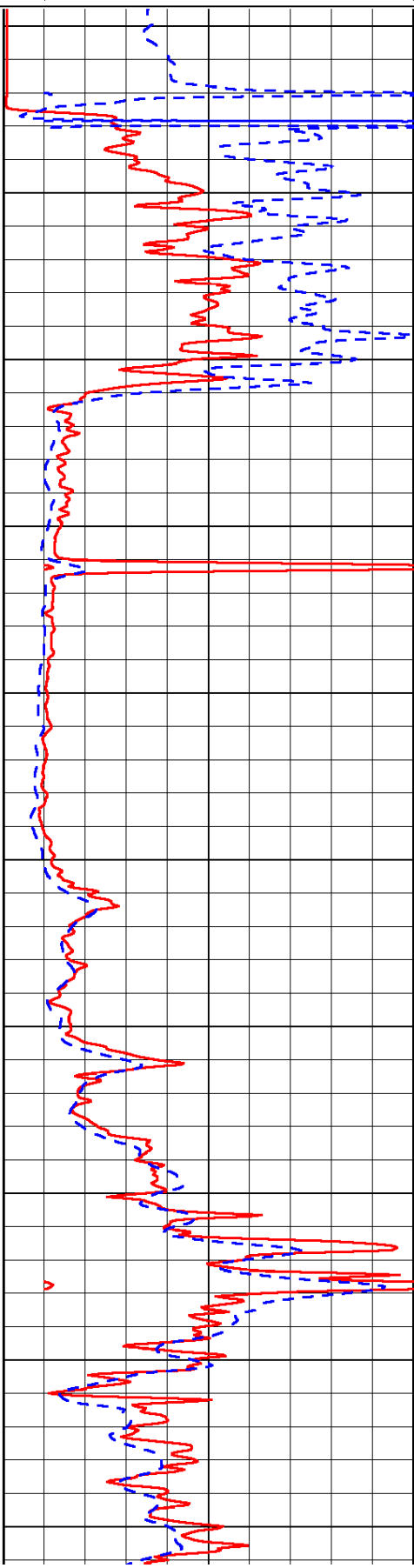
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Presentation Format: dil2in
Dataset Creation: Wed Oct 16 19:18:39 2013
Charted by: Depth in Feet scaled 1:600

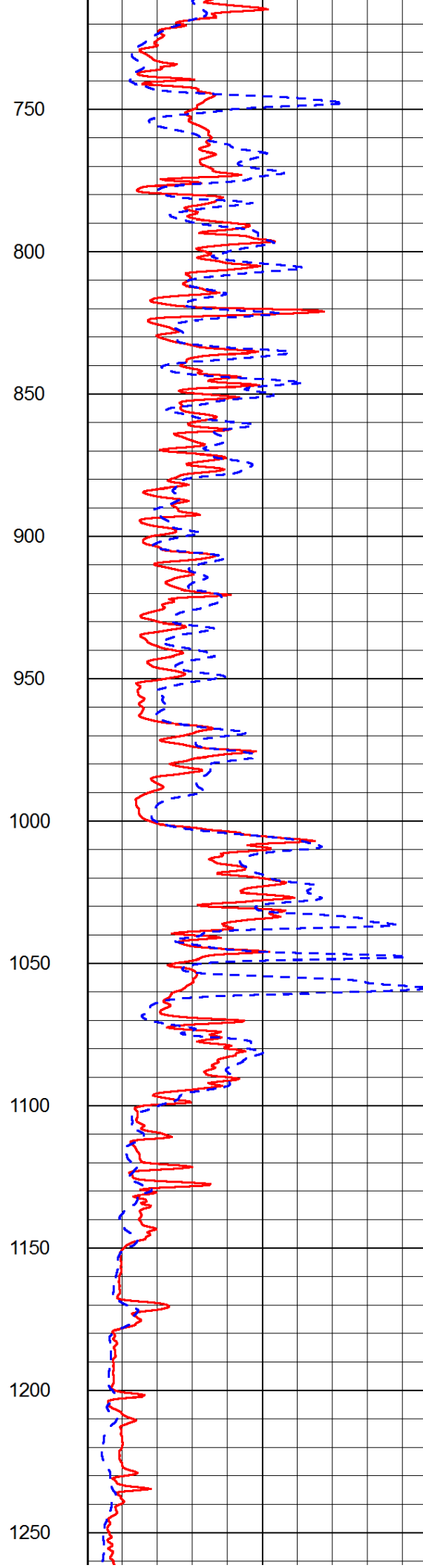
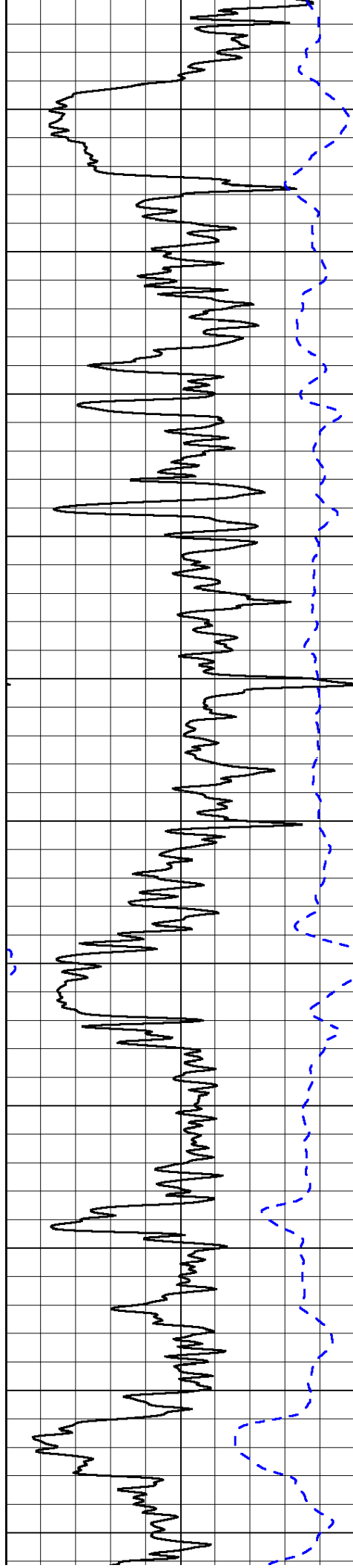
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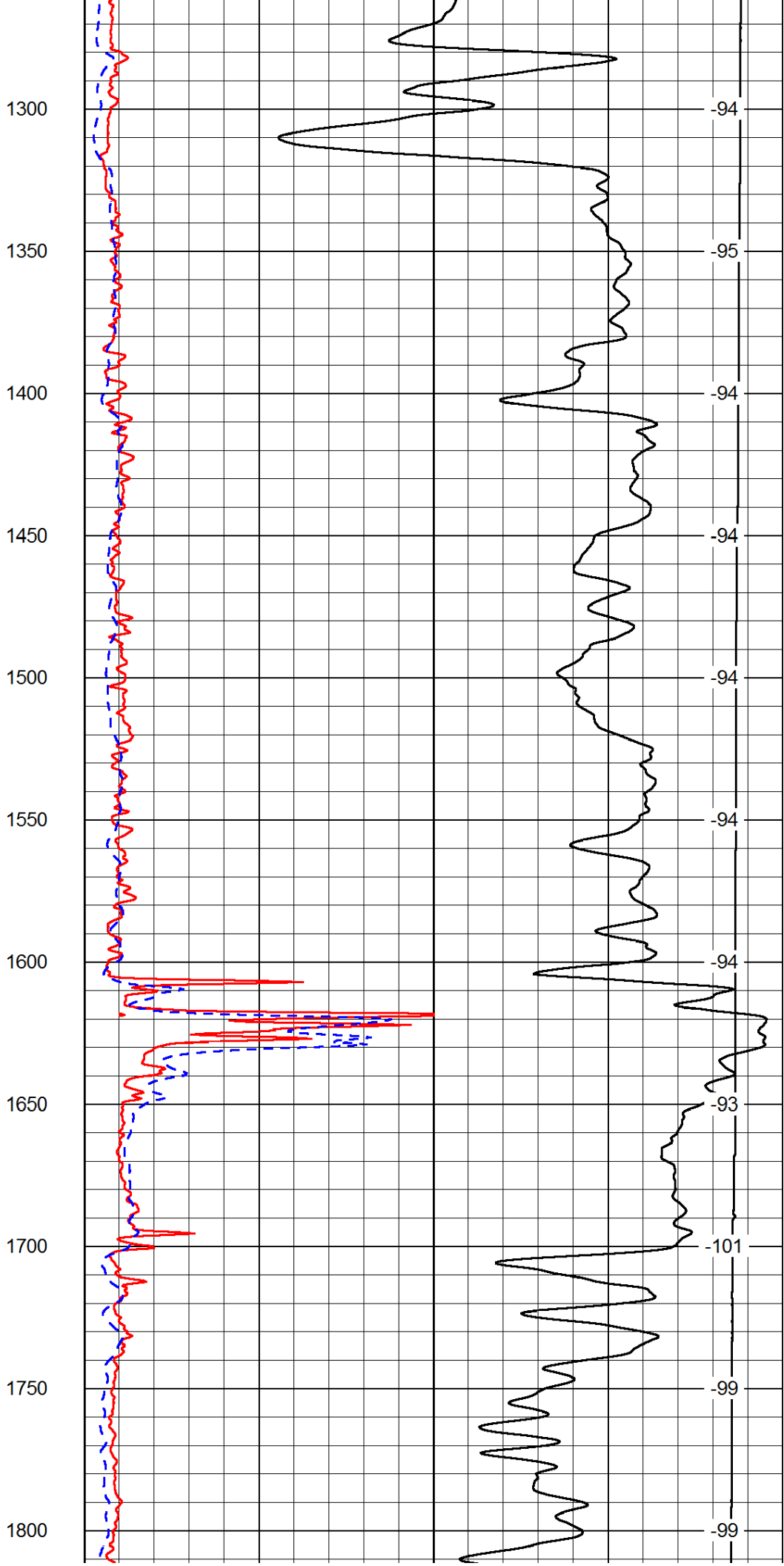
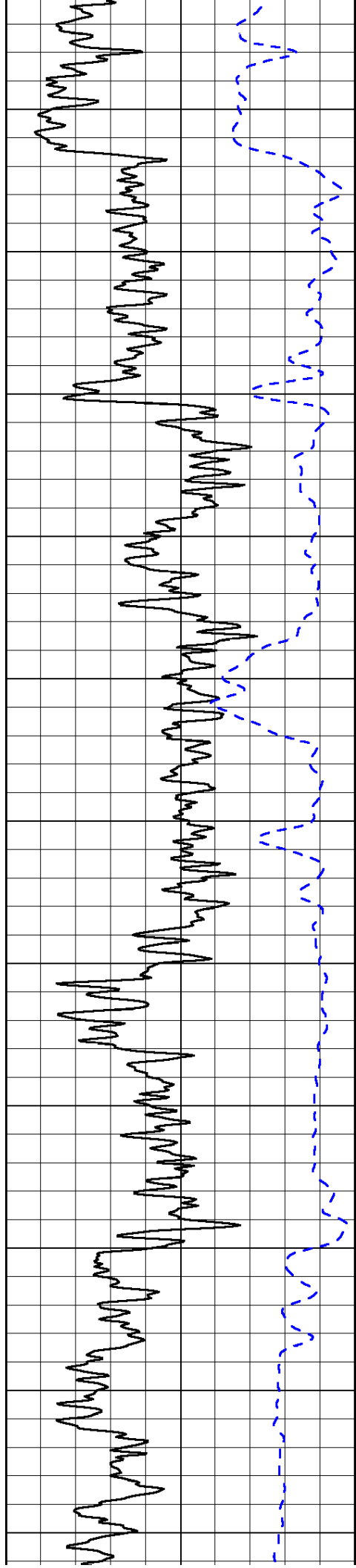
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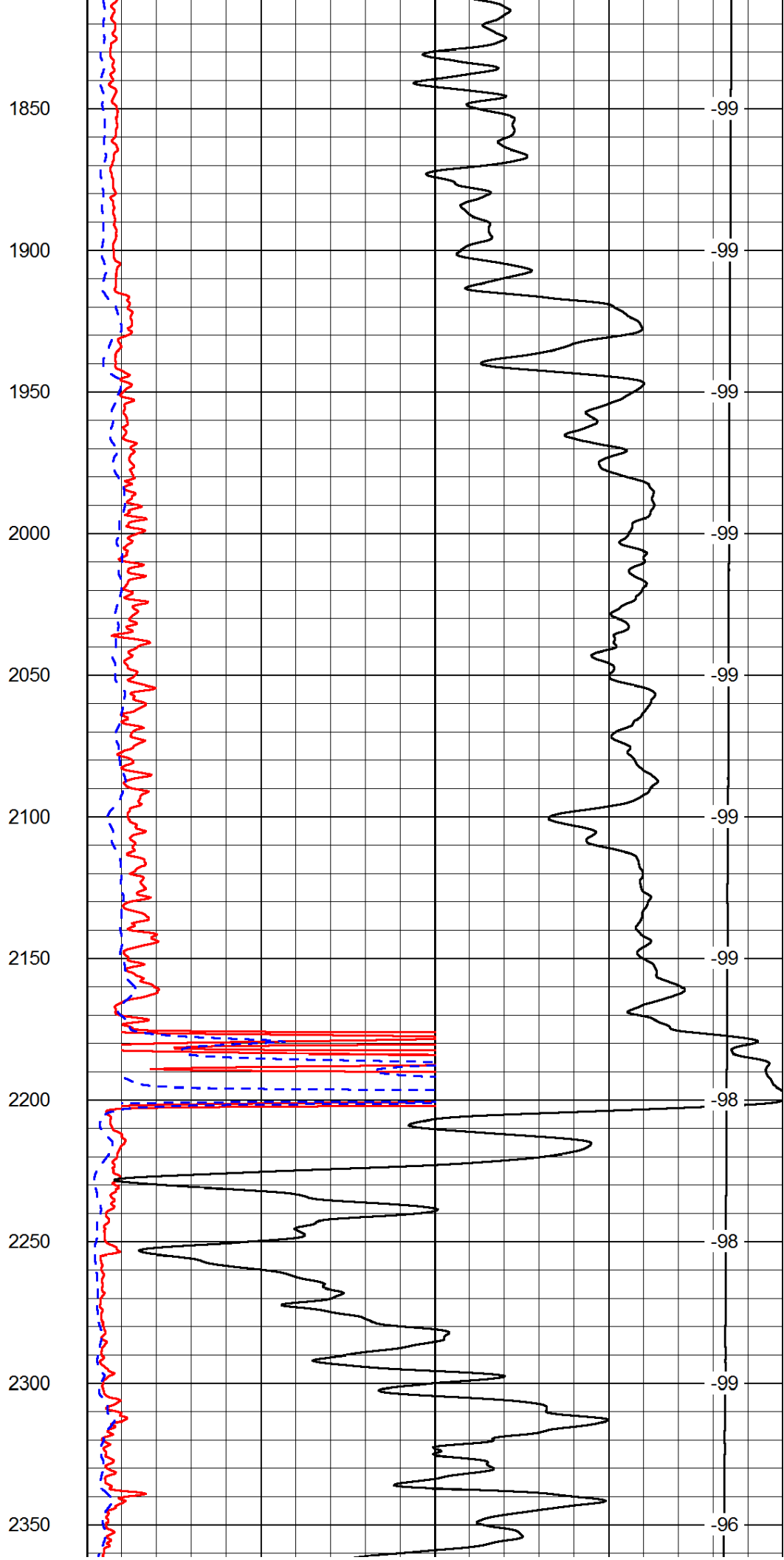
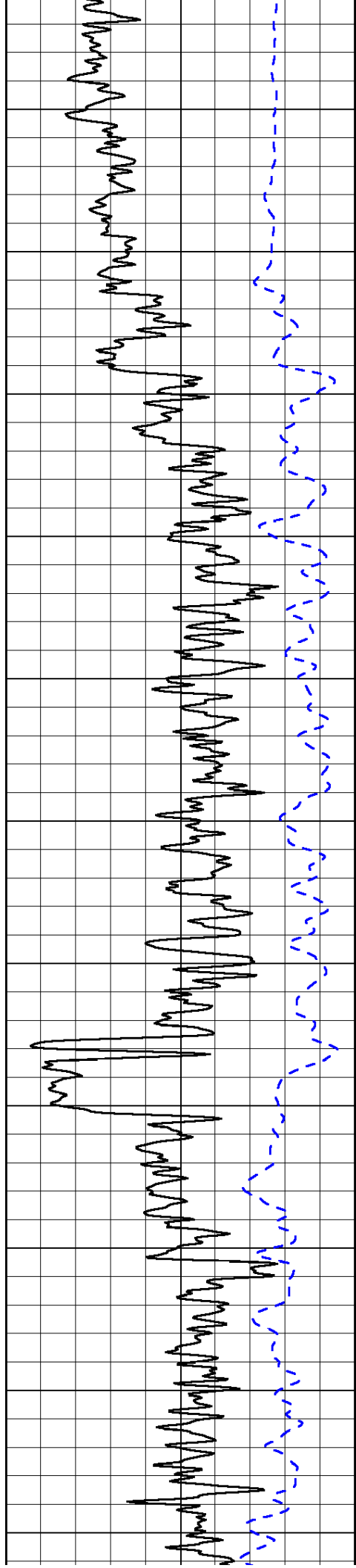


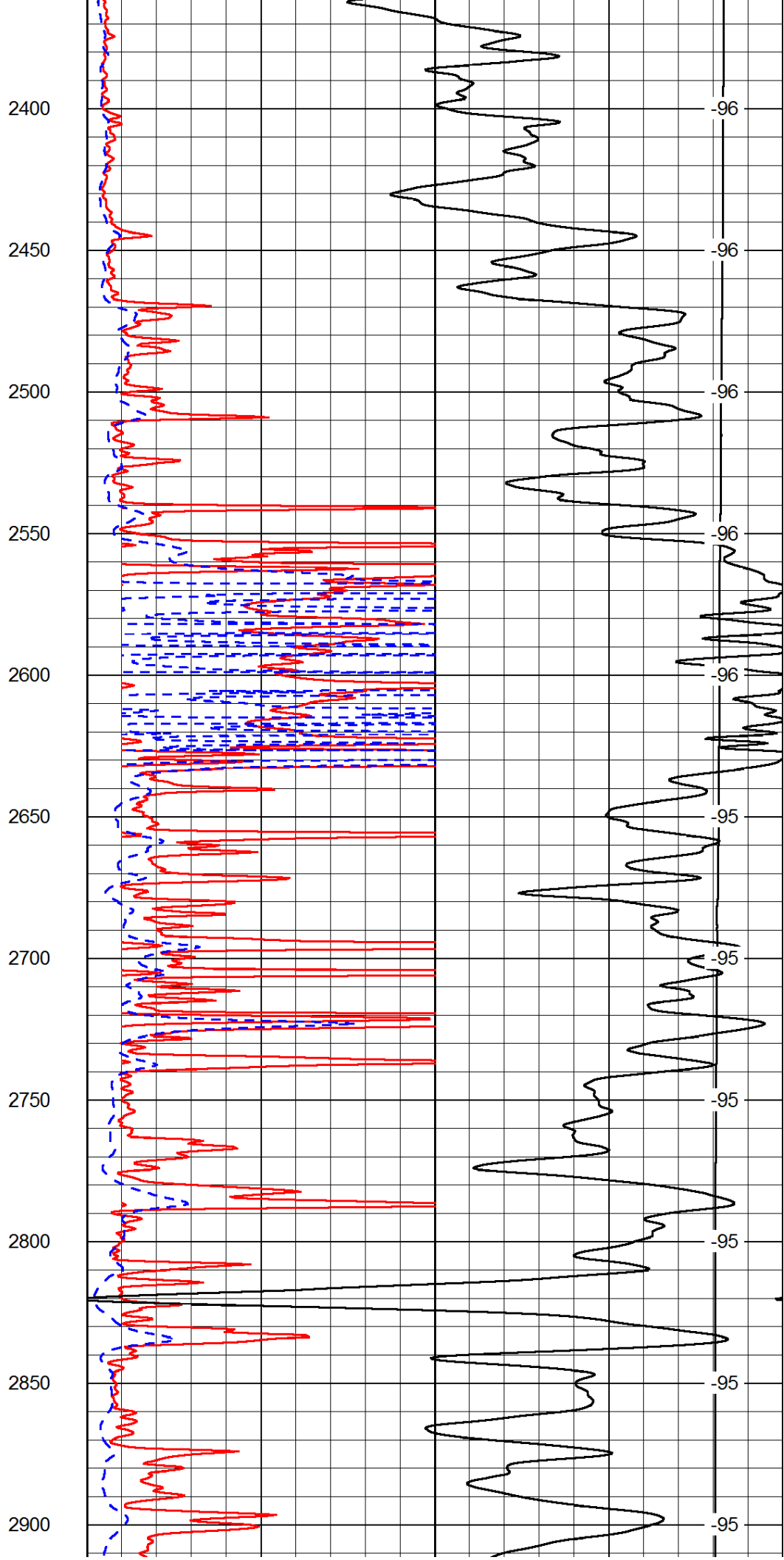
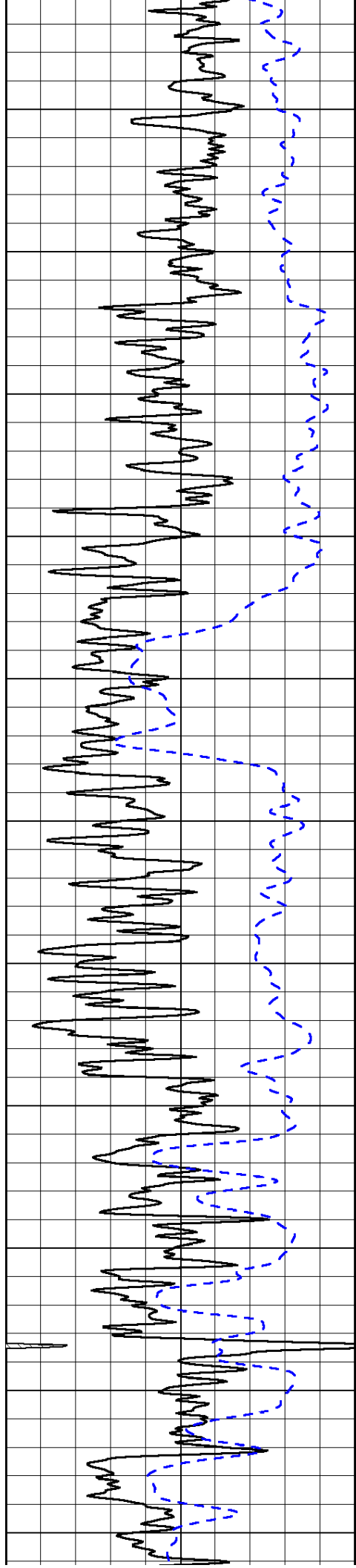
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1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

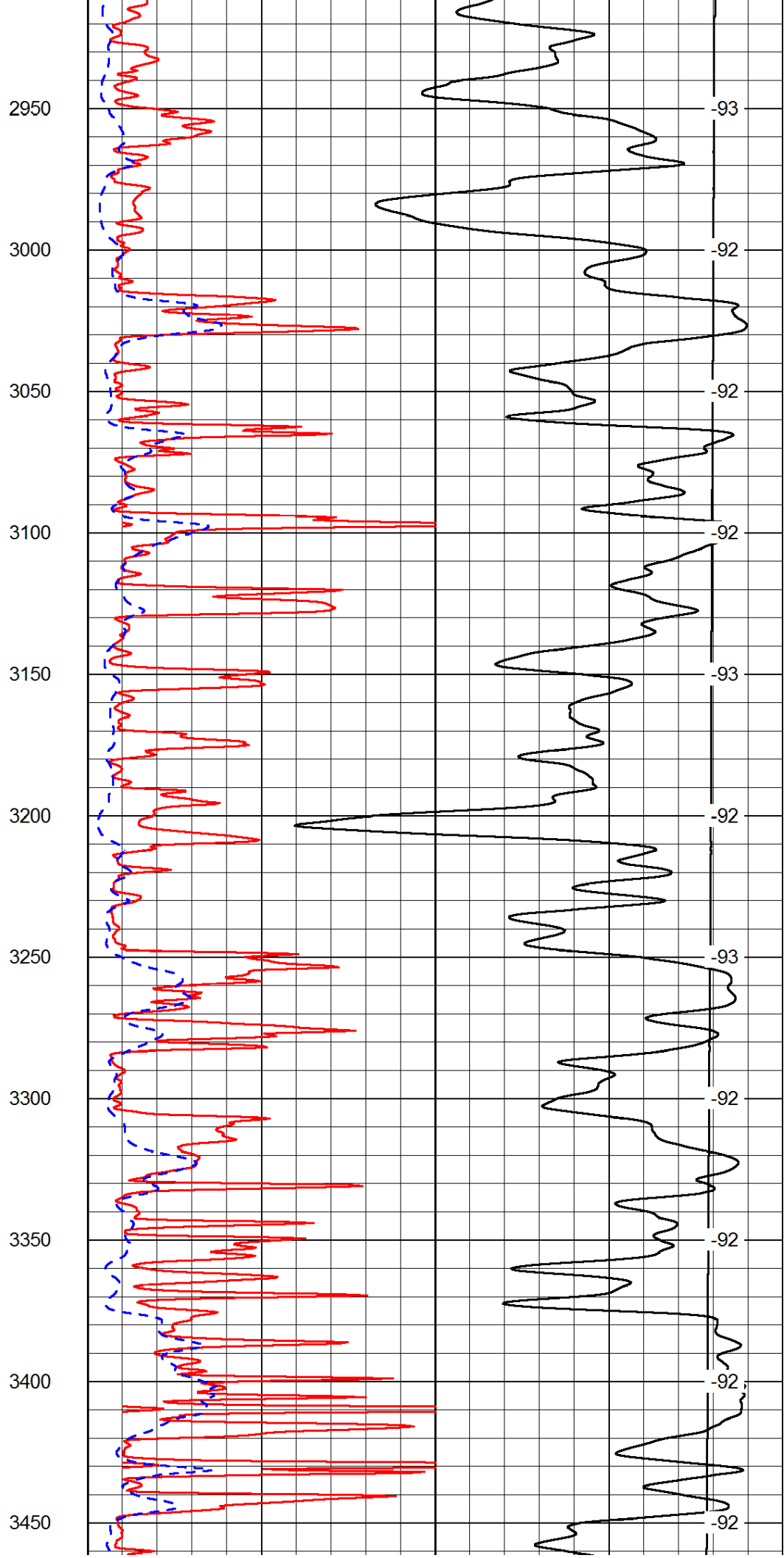
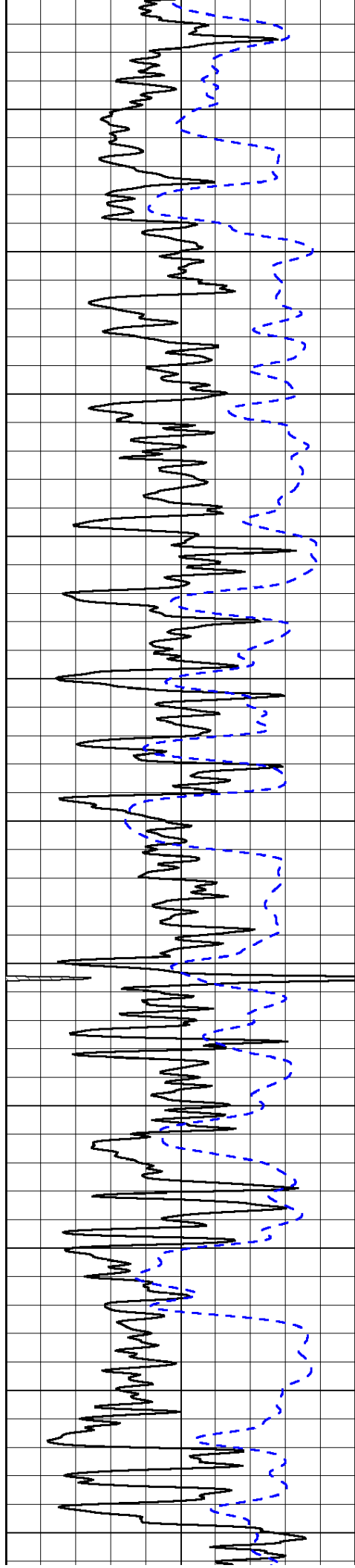


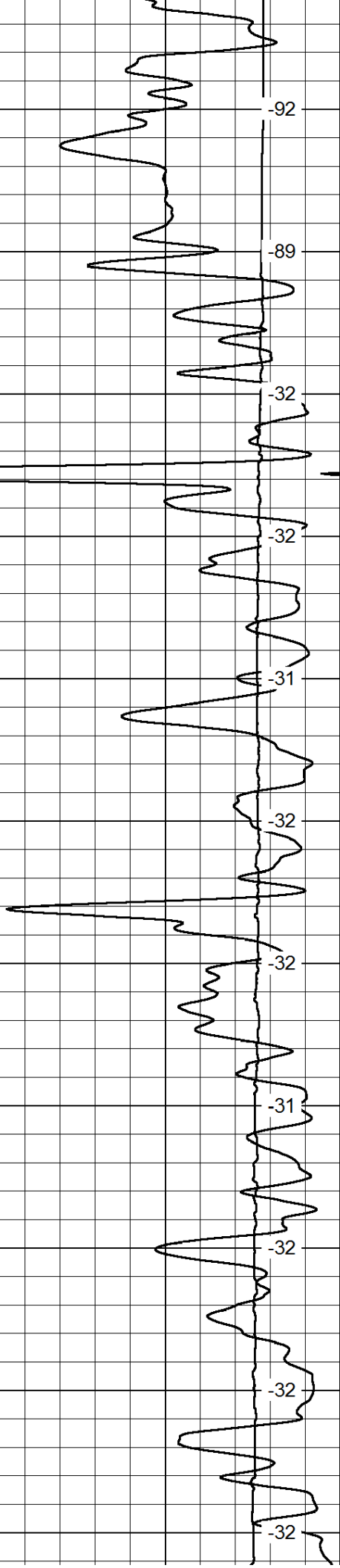
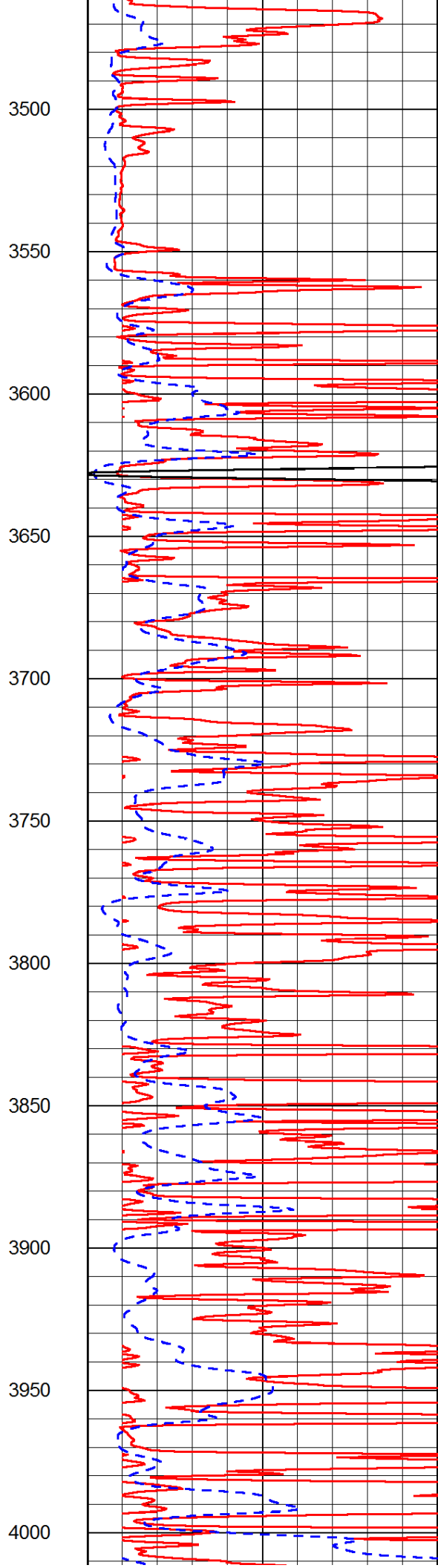
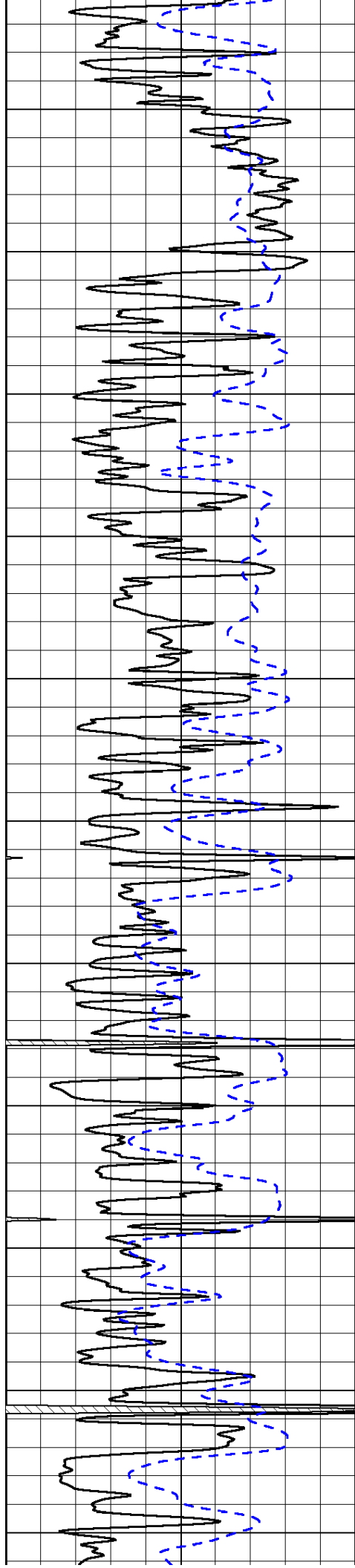


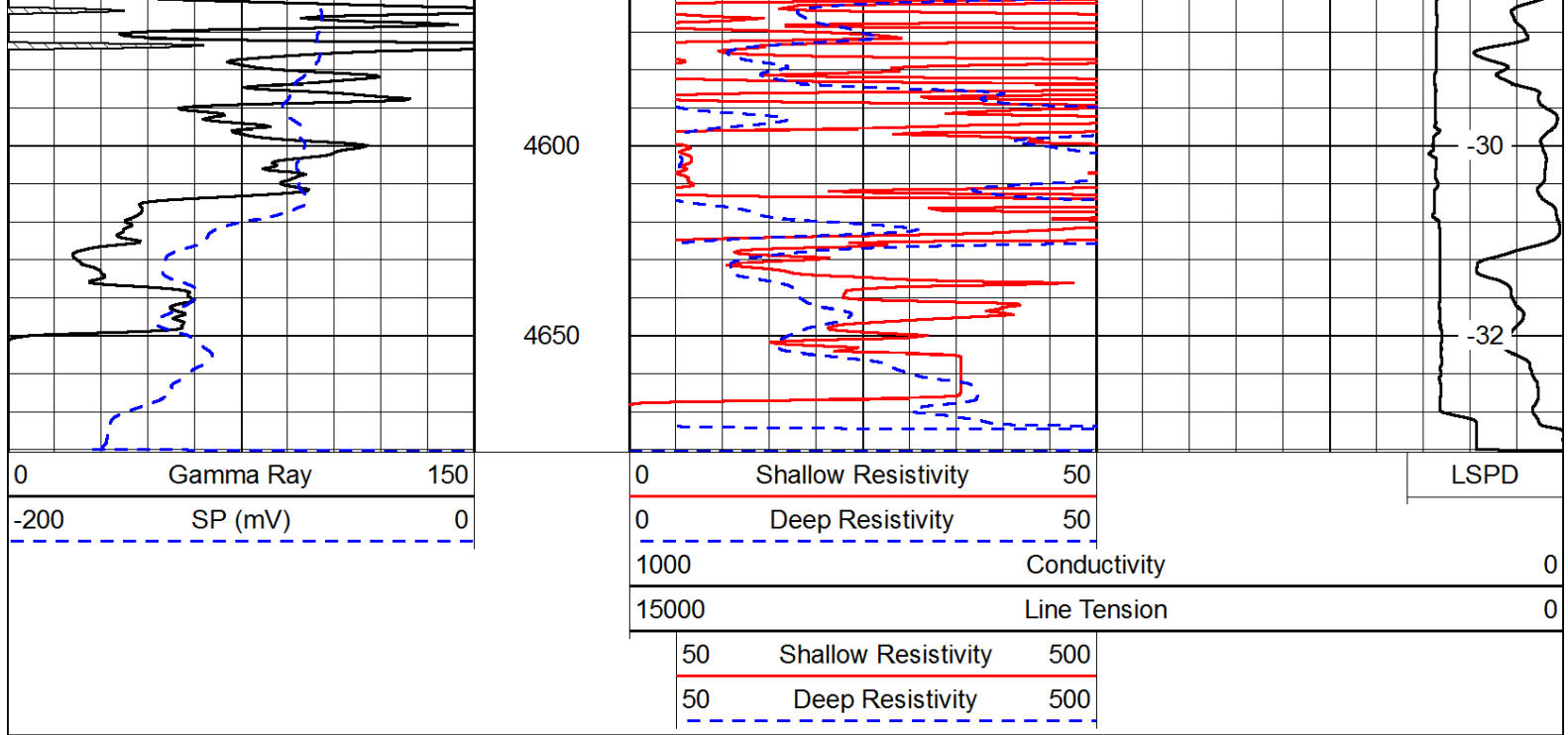




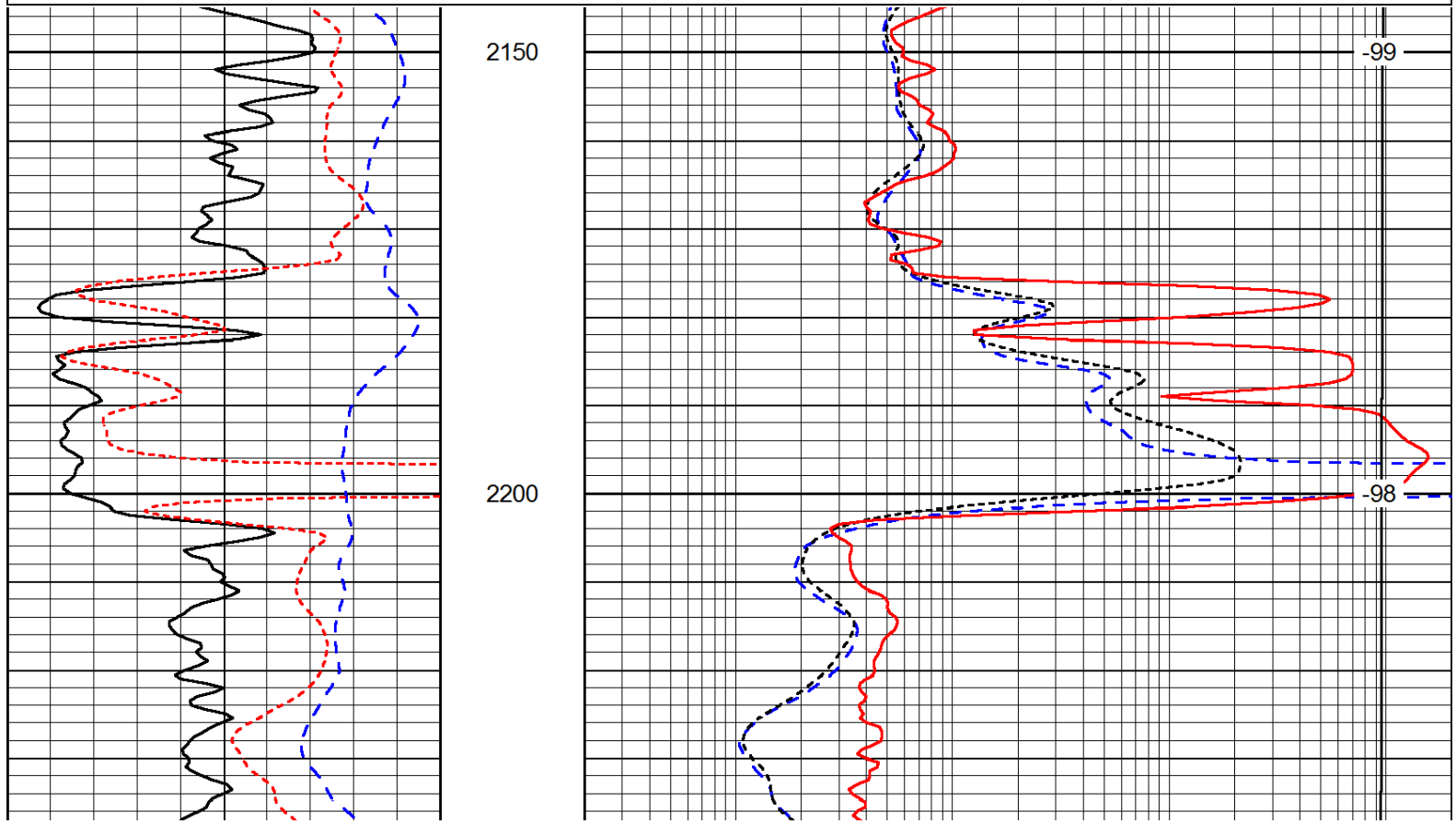
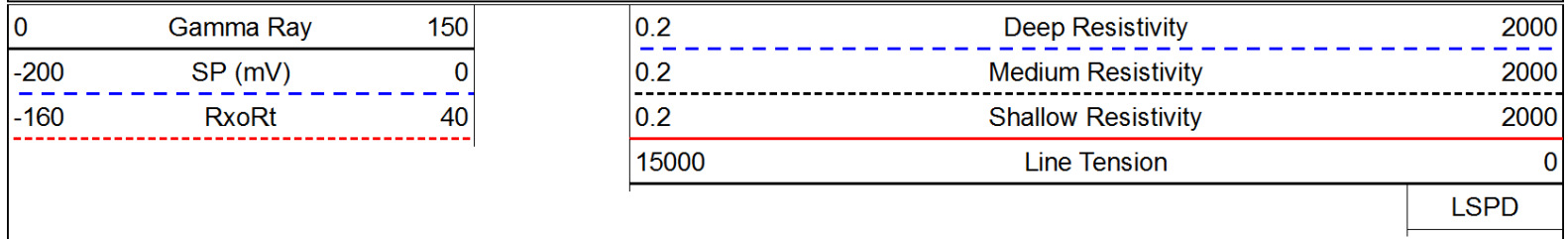


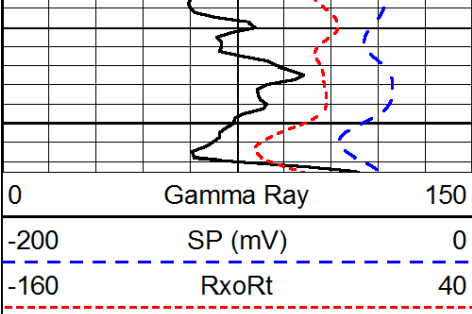




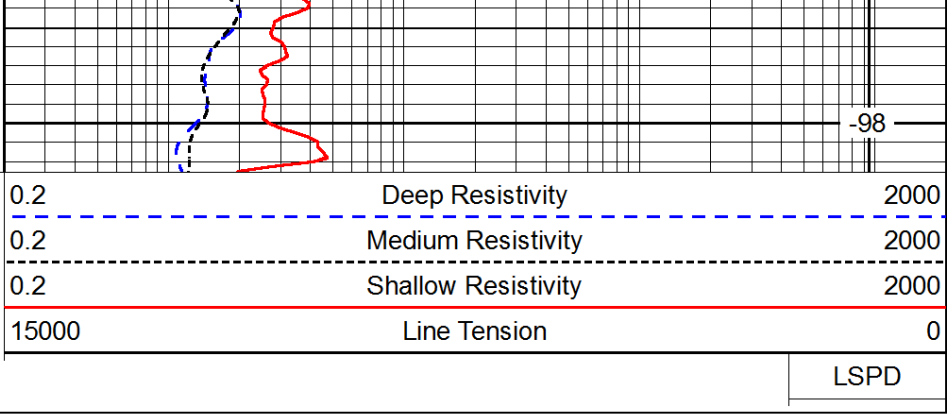


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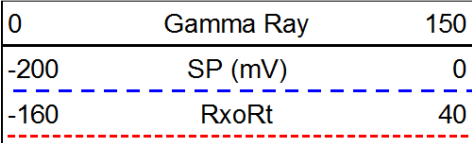


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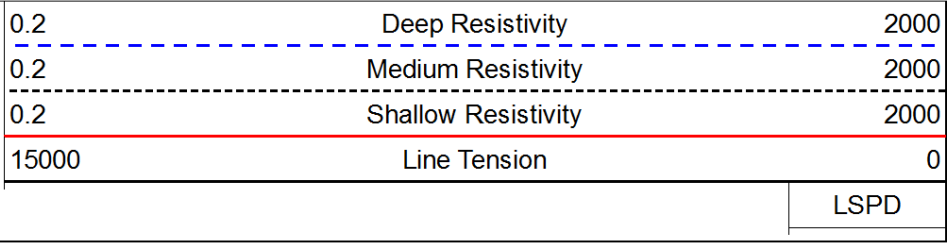


-98

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3600



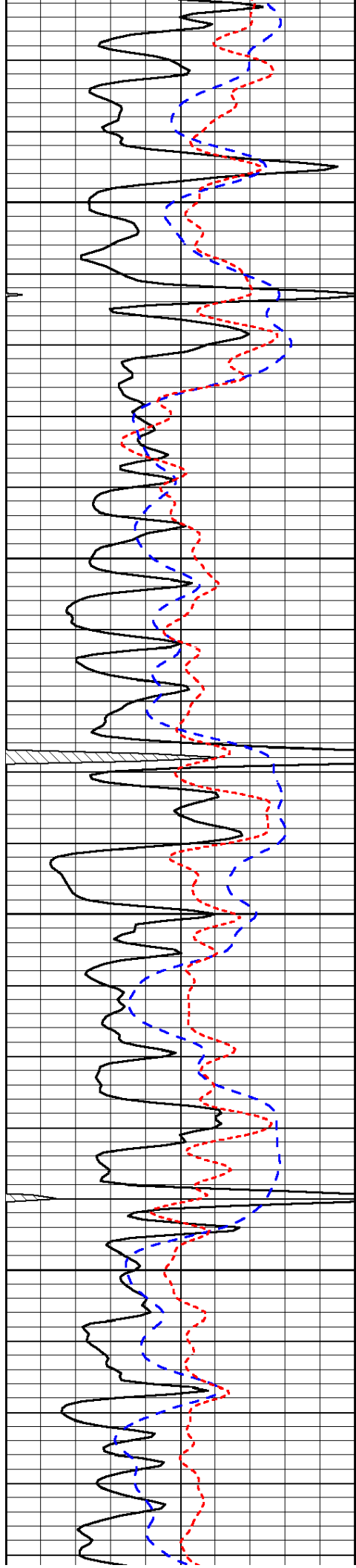
-32

3650

-32

3700

-31

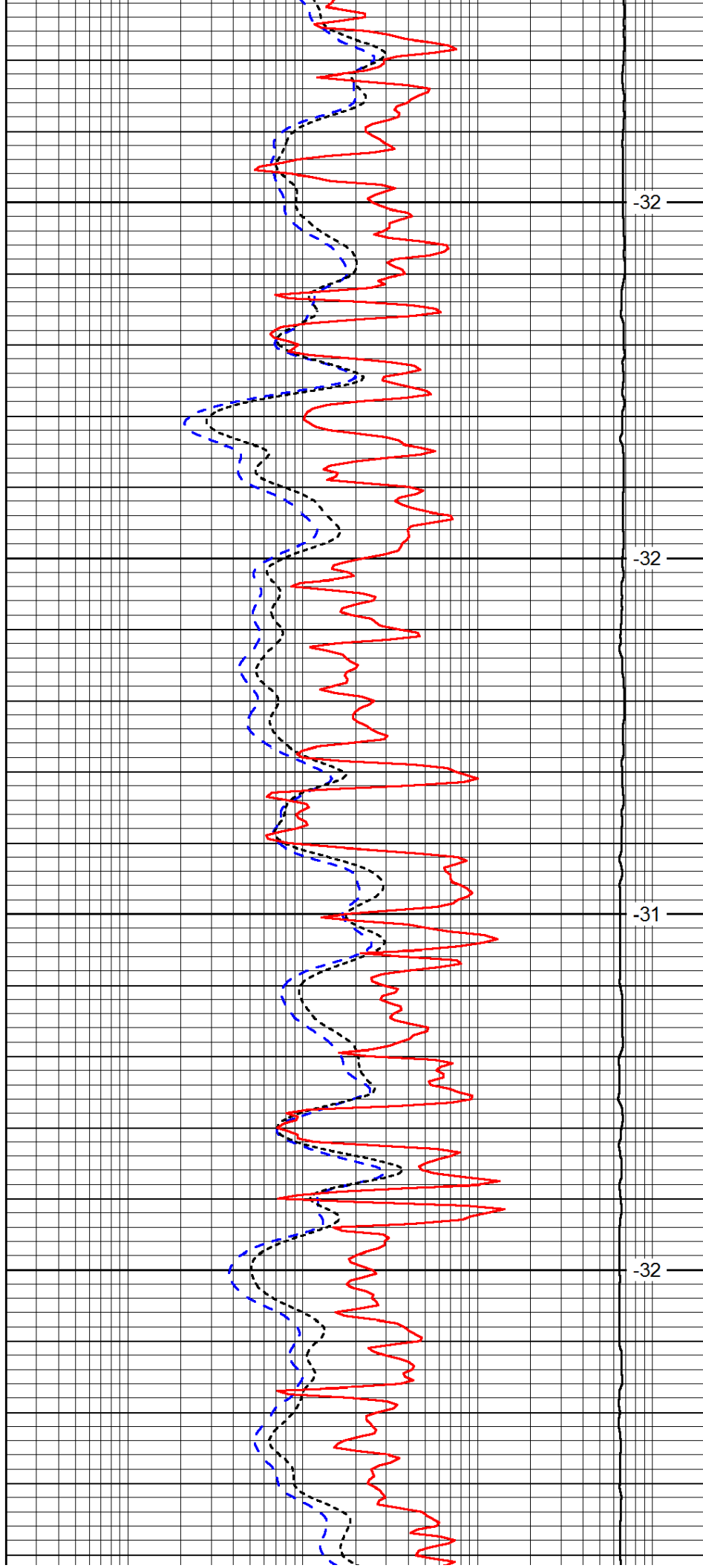


3750

3800

3850

3900

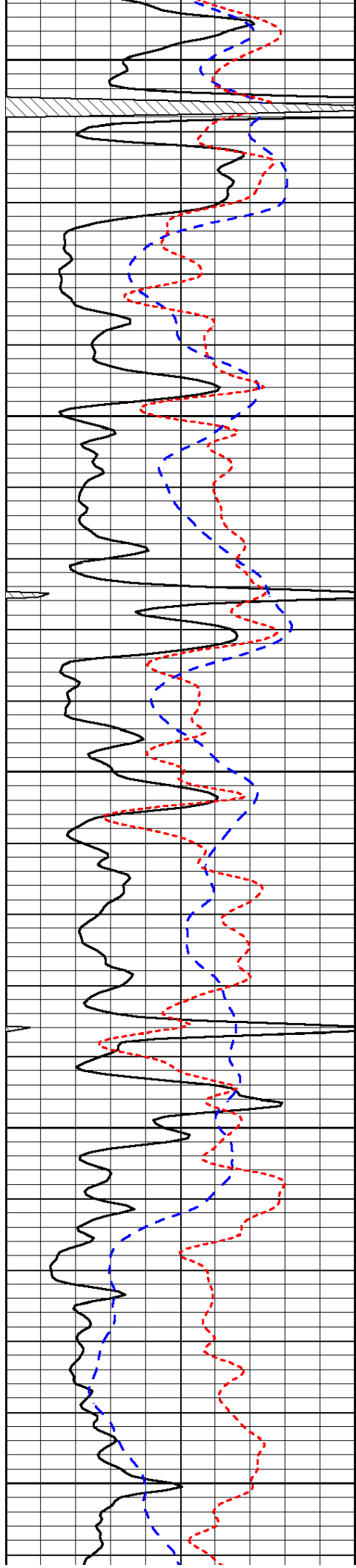


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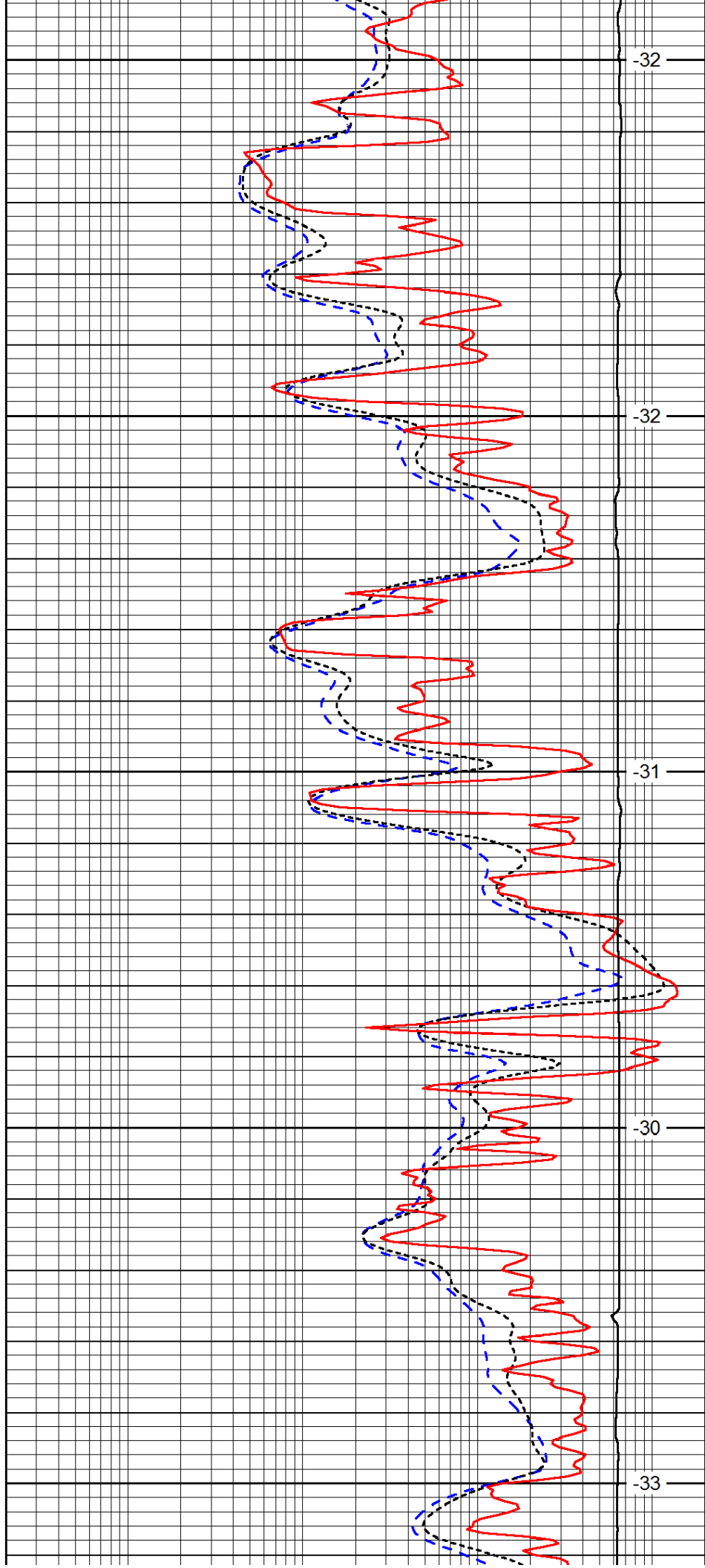
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4000

4050

4100

4150



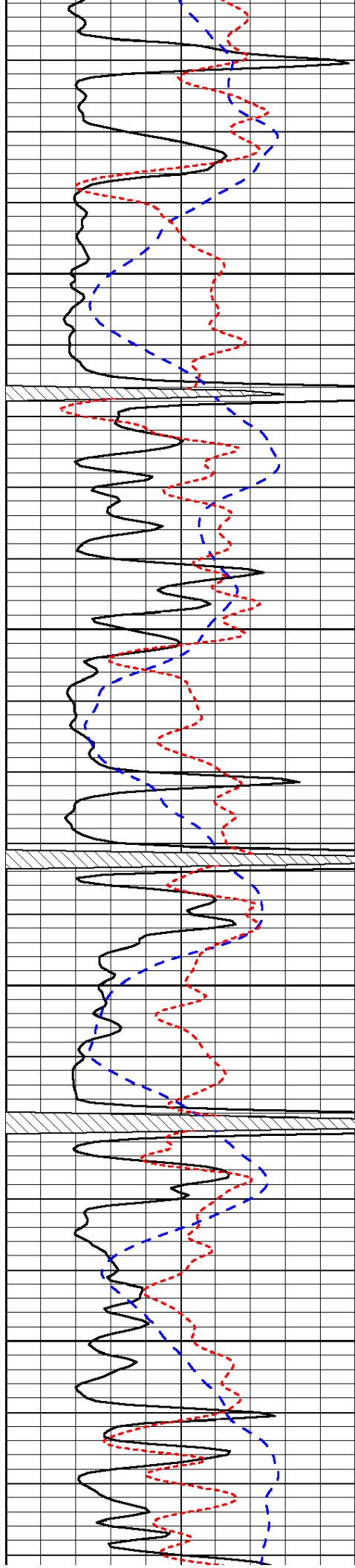
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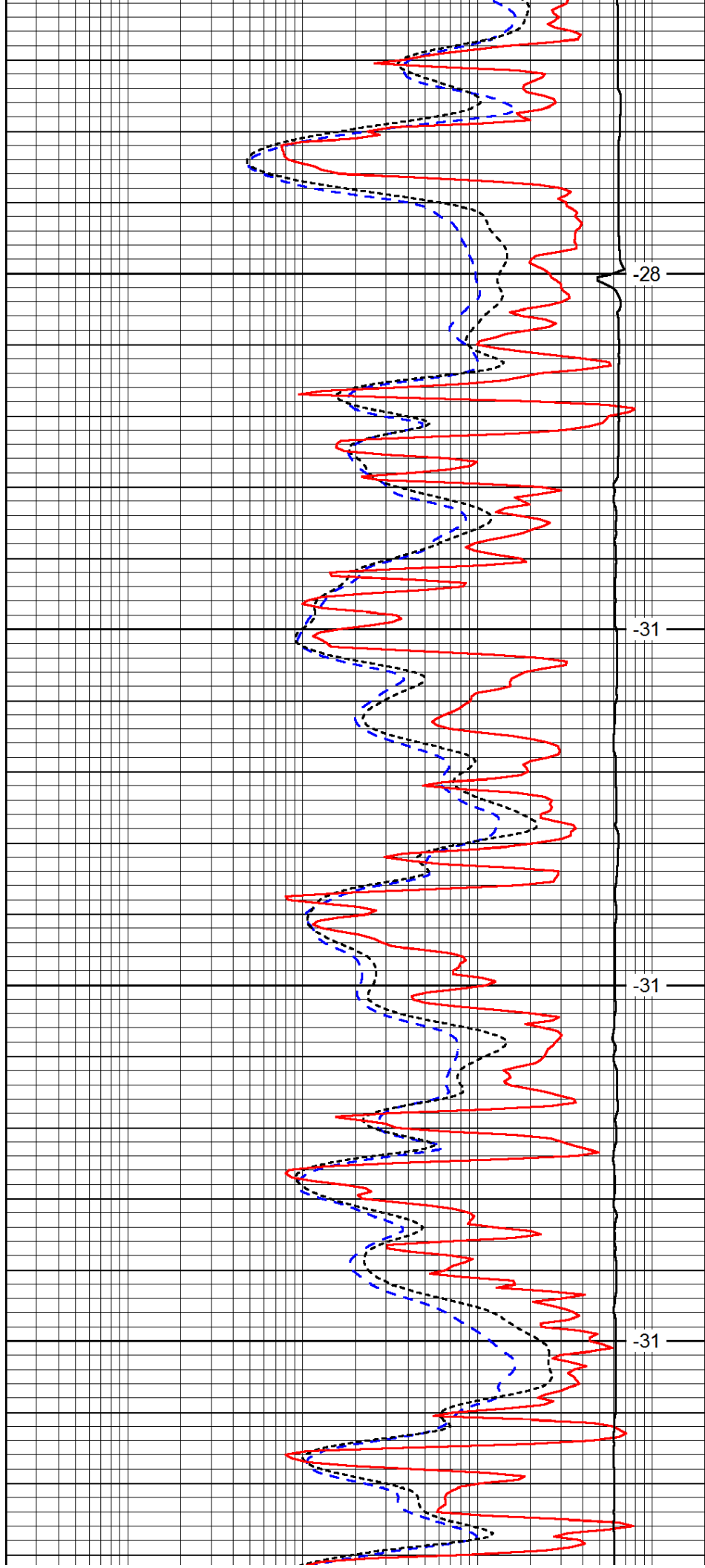


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4250

4300

4350

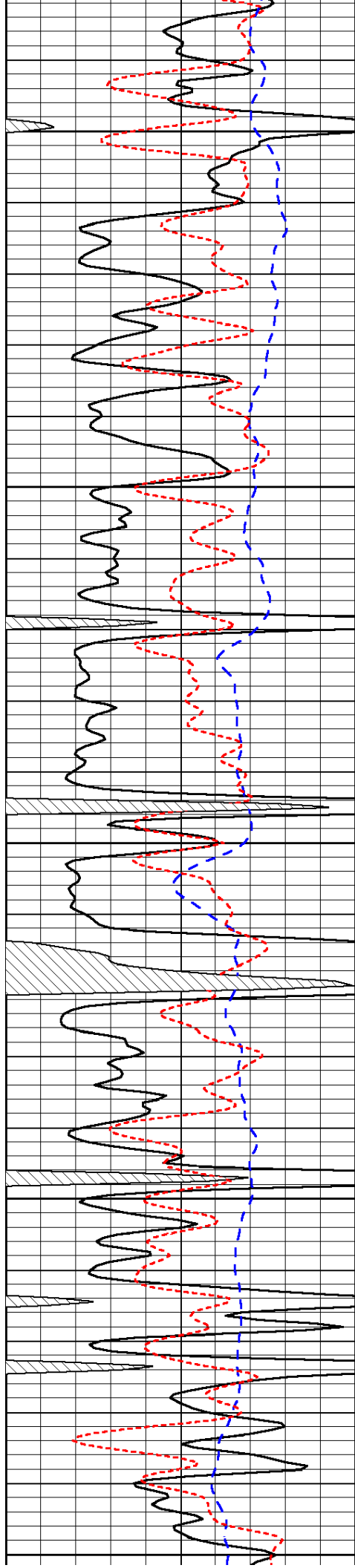


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-31

-31



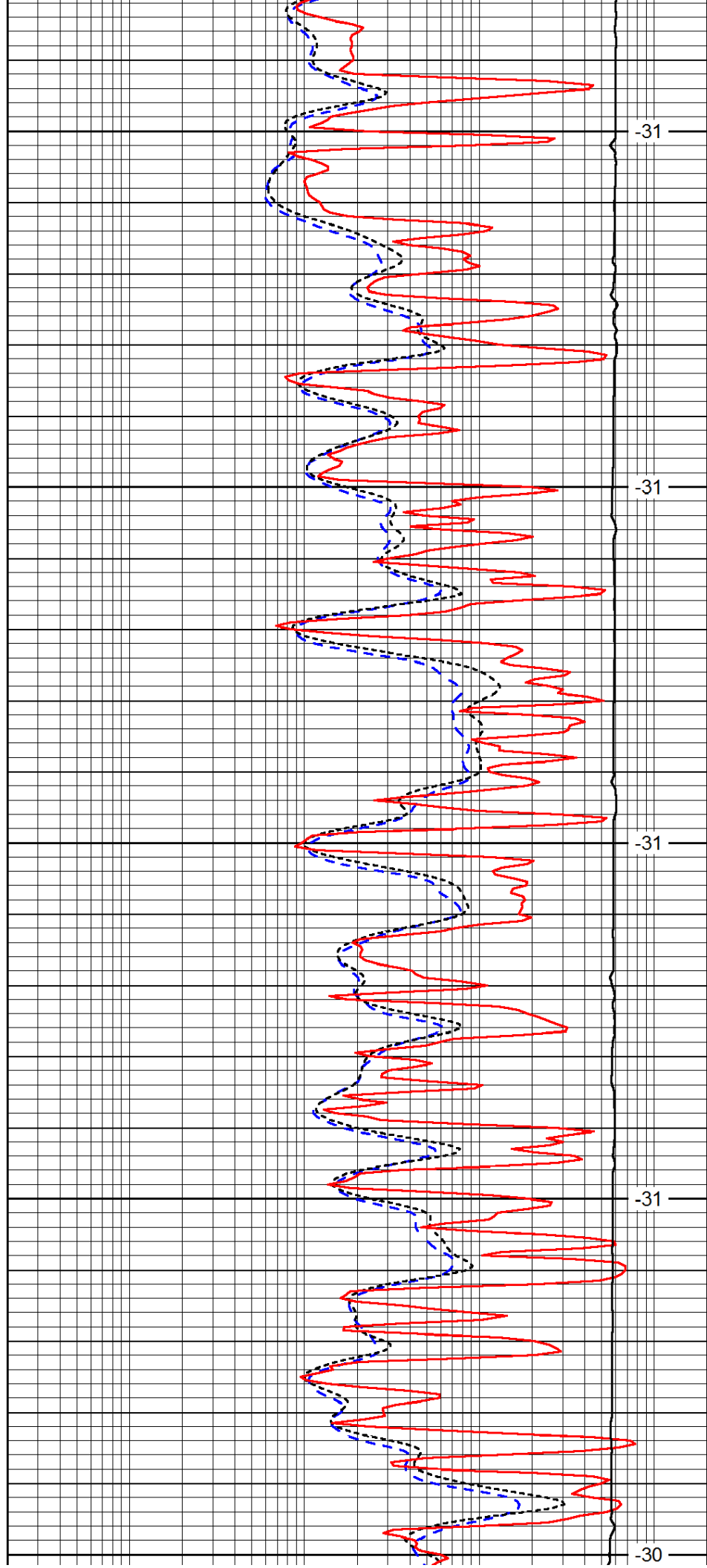
4400

4450

4500

4550

4600



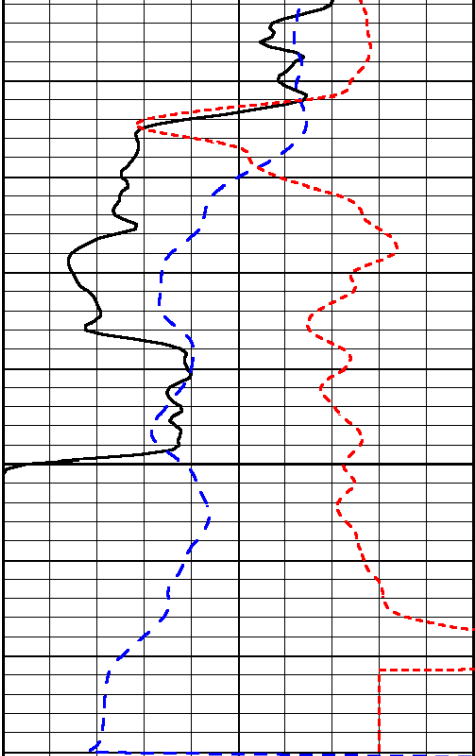
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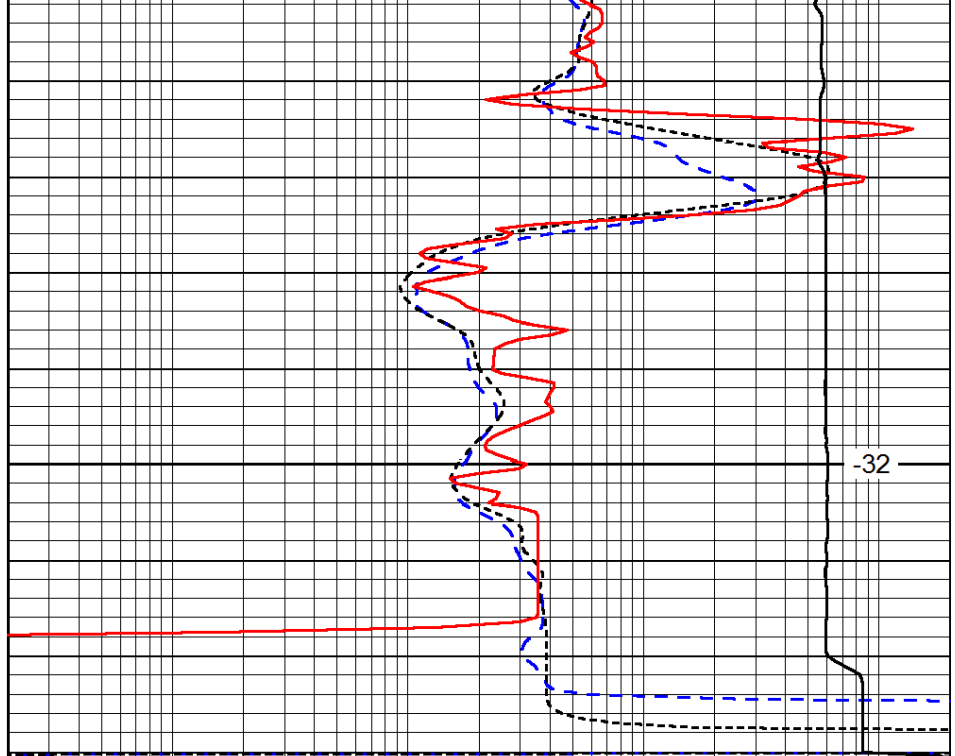
-31

-30



0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

4650



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

LSPD