



# Dual Induction Log

DIGITAL LOG (785) 625-3858

15-193-20,825-00-00

API No.

Company Raymond Oil Company, Inc.

Well Olson-Kistler No. 1

Field Wildcat

County Thomas State Kansas

Location 200' FNL & 2493' FWL

Sec: 6 Twp: 10 S Rge: 34 W

Other Services  
CNL/CDL  
MEL

Elevation

K.B. 3307  
D.F.  
G.L. 3302

Permanent Datum Ground Level Elevation 3302  
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Date	10/24/2011
Run Number	One
Depth Driller	4960
Depth Logger	4957
Bottom Logged Interval	4956
Top Log Interval	300
Casing Driller	13.375 @ 300
Casing Logger	299
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	8400
Density / Viscosity	9.3   53
pH / Fluid Loss	9.0   10.4
Source of Sample	Flowline
Rm @ Meas. Temp	.45 @ 78
Rmf @ Meas. Temp	.34 @ 78
Rmc @ Meas. Temp	.61 @ 78
Source of Rmf / Rmc	Charts
Rm @ BHT	.28 @ 126
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	126
Equipment Number	17
Location	Hays
Recorded By	D. Kerr
Witnessed By	Kim Shoemaker

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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.

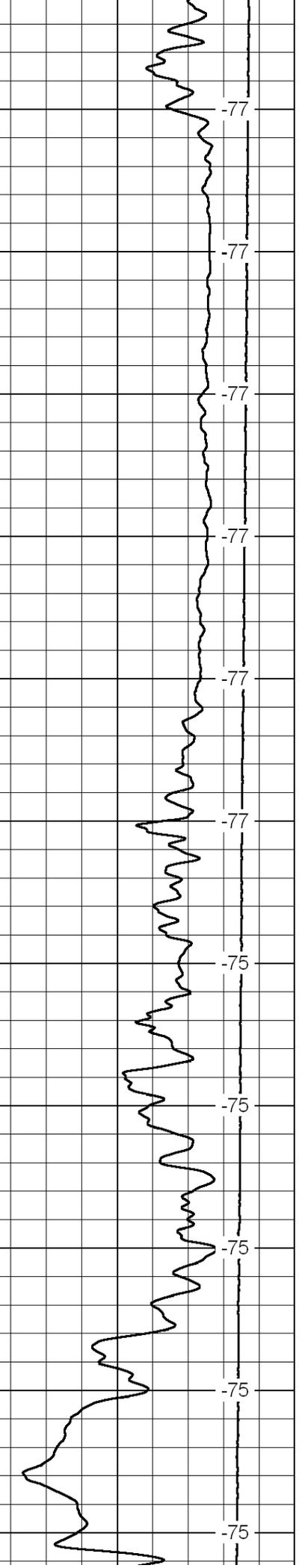
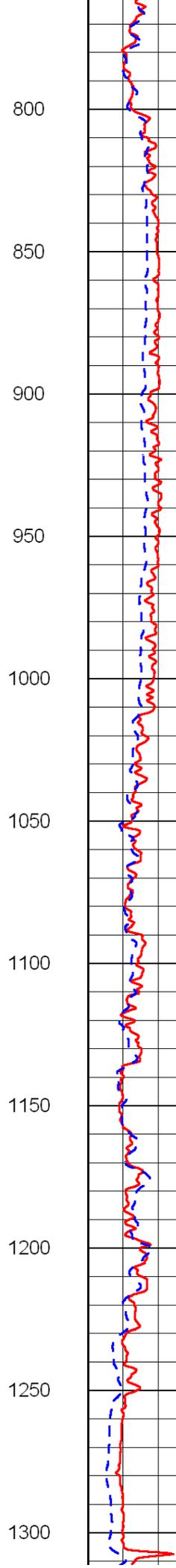
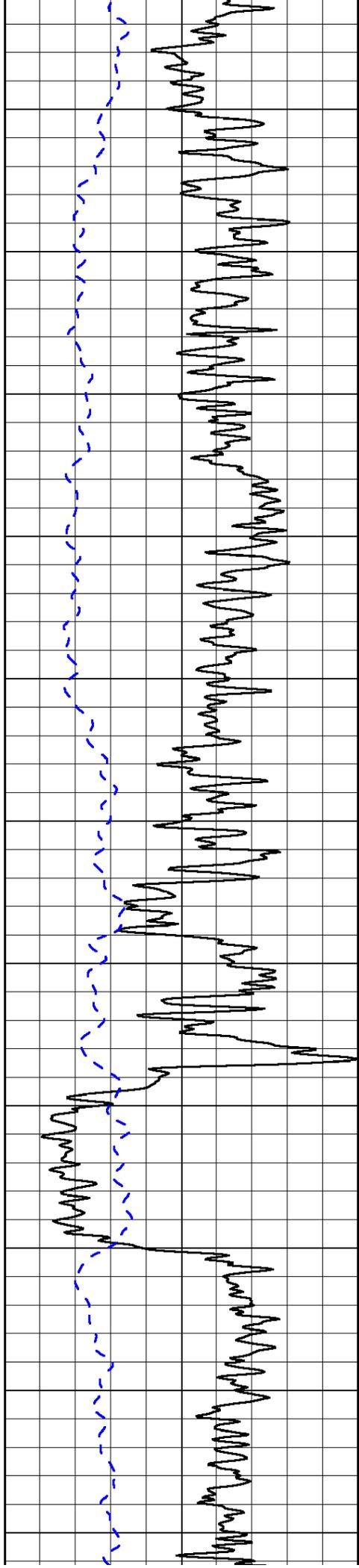
### Comments

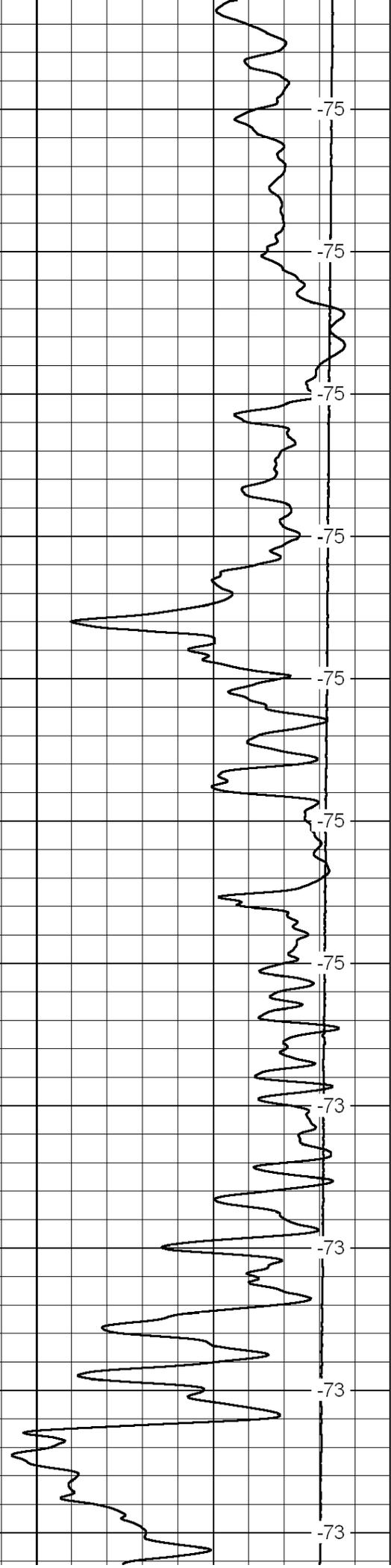
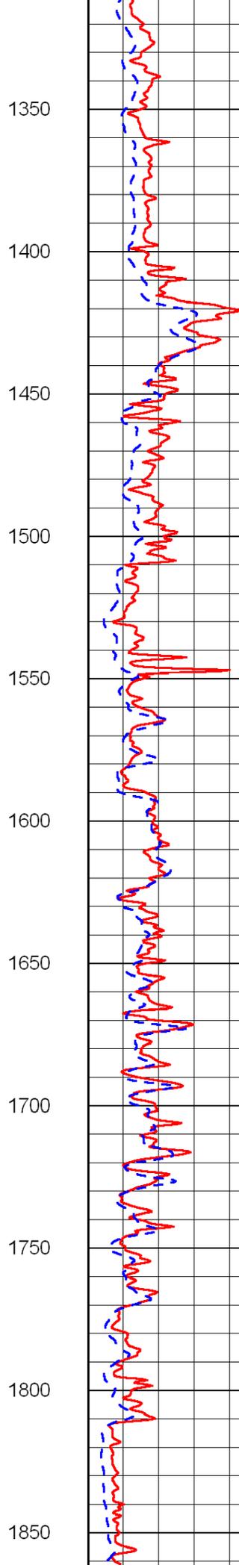
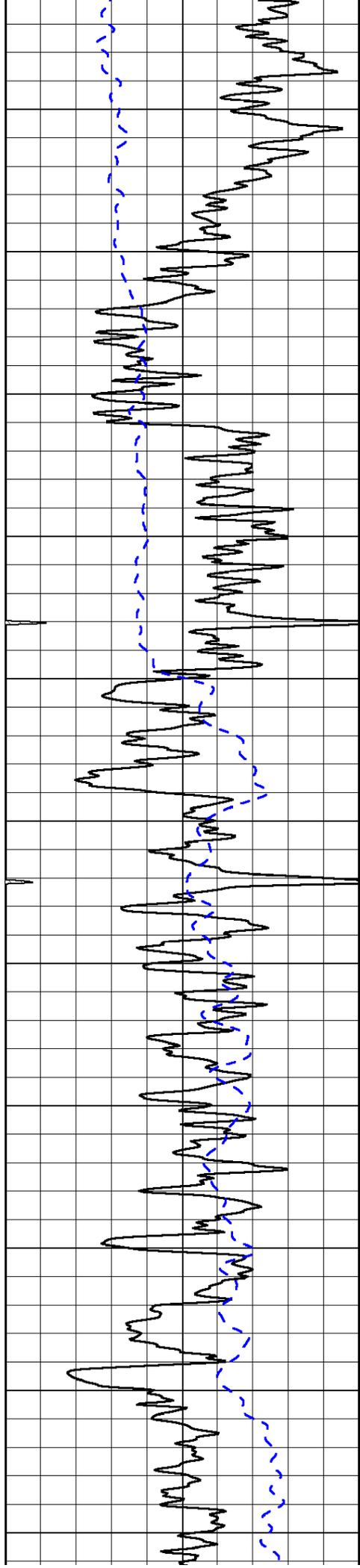
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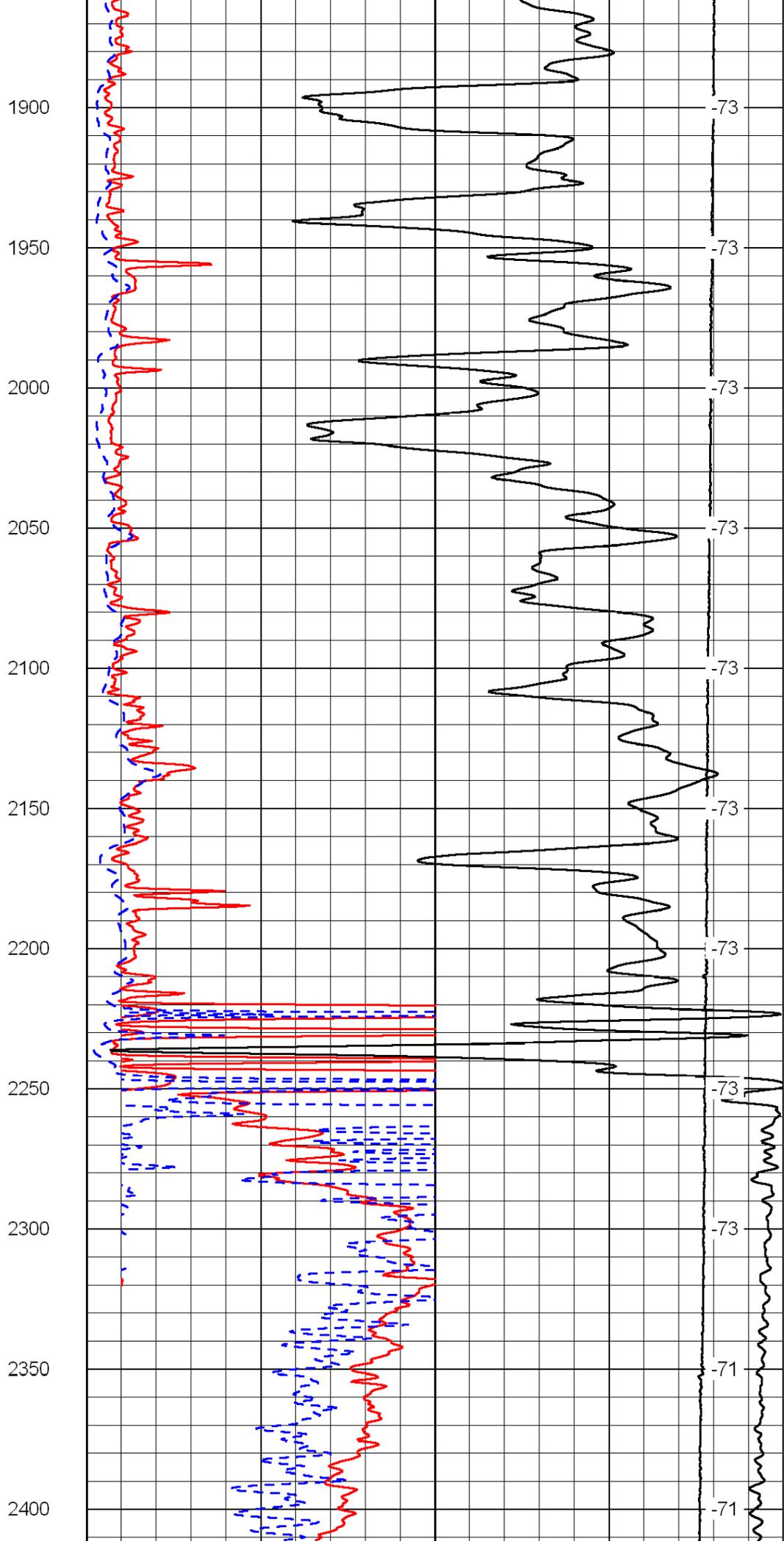
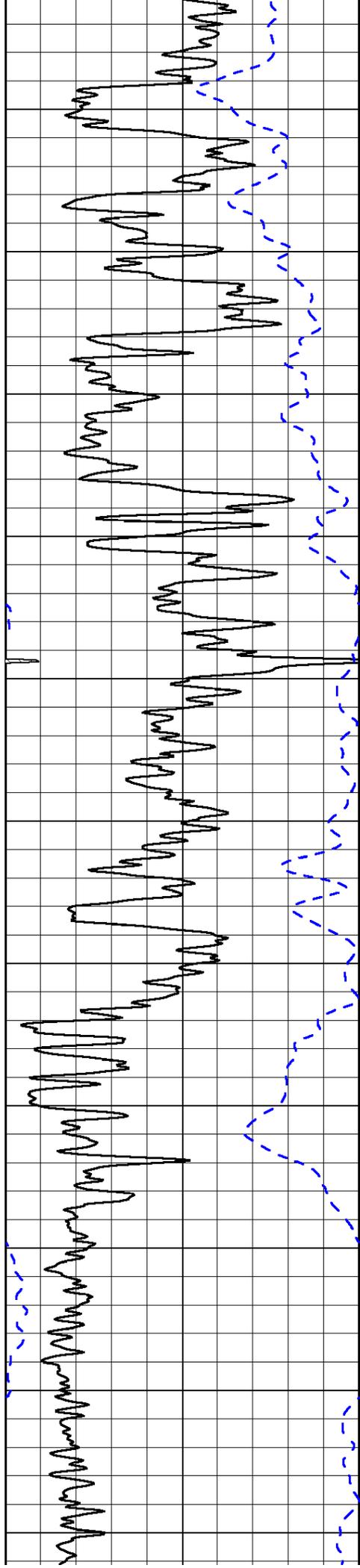
Mingo KS, West to HWY 25,  
4 South, 4 West, 1 North,  
1 1/2 West, South Into

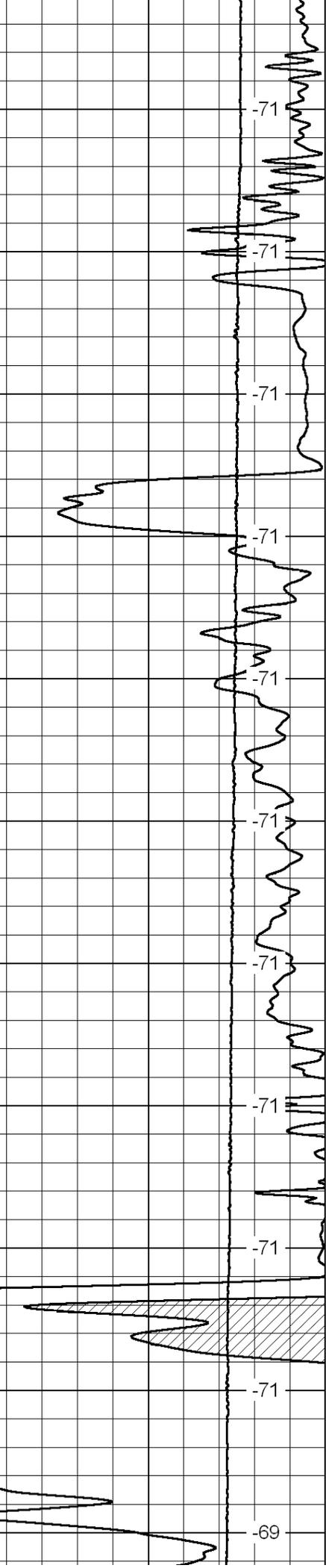
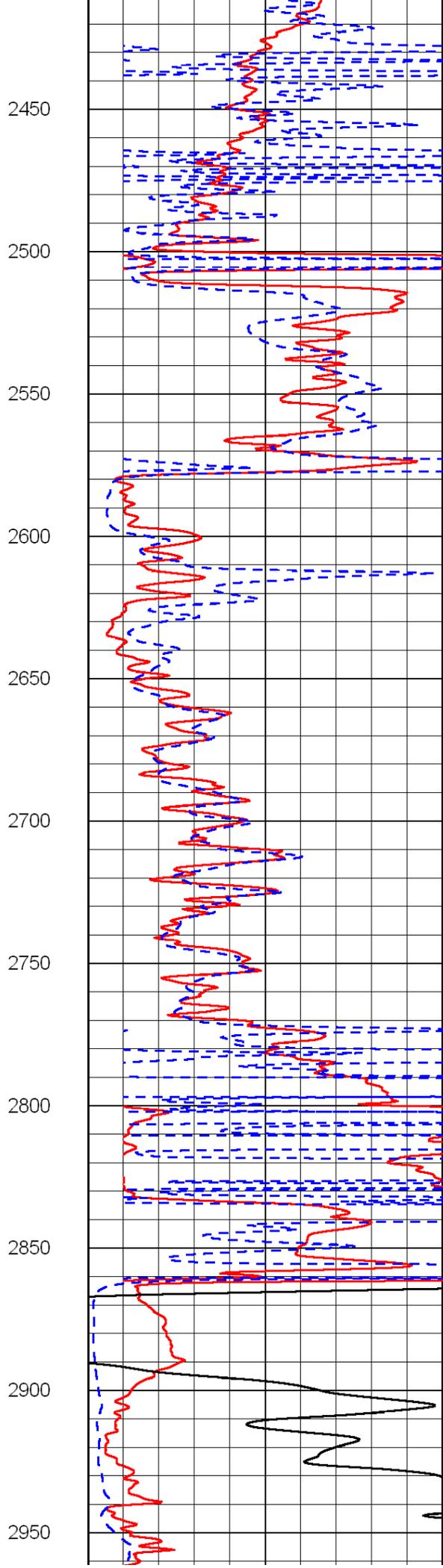
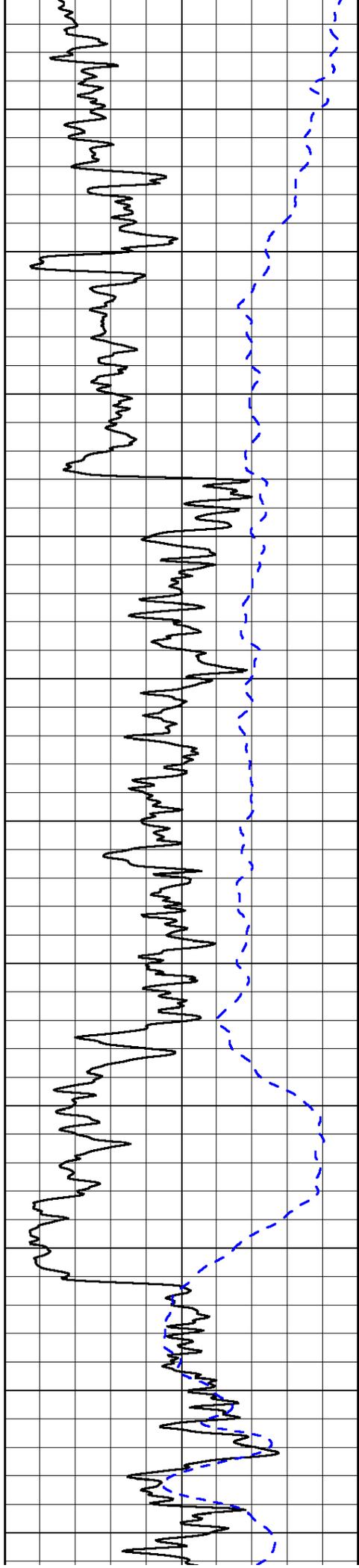
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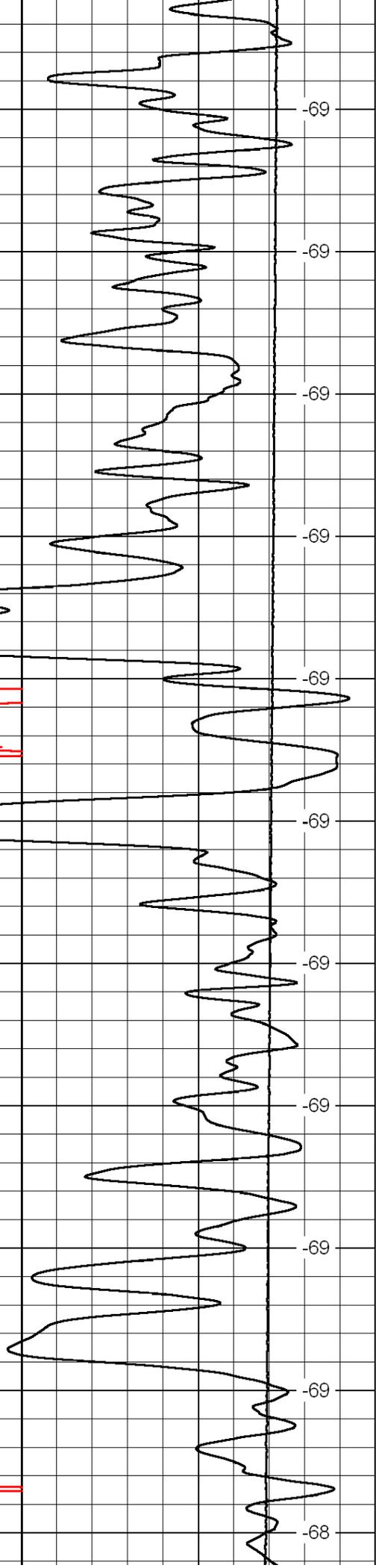
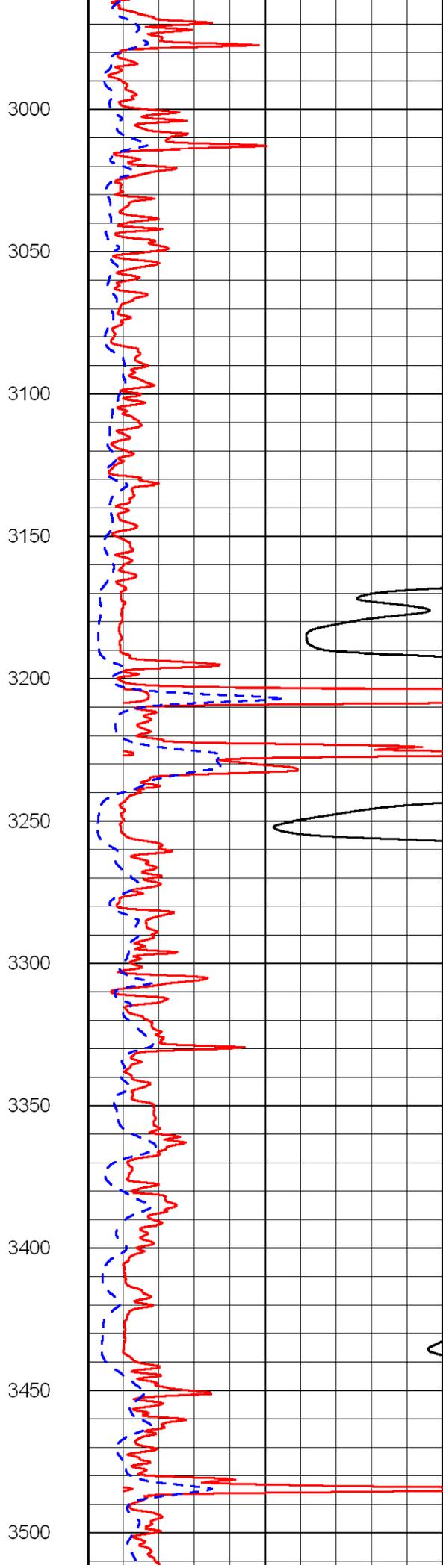
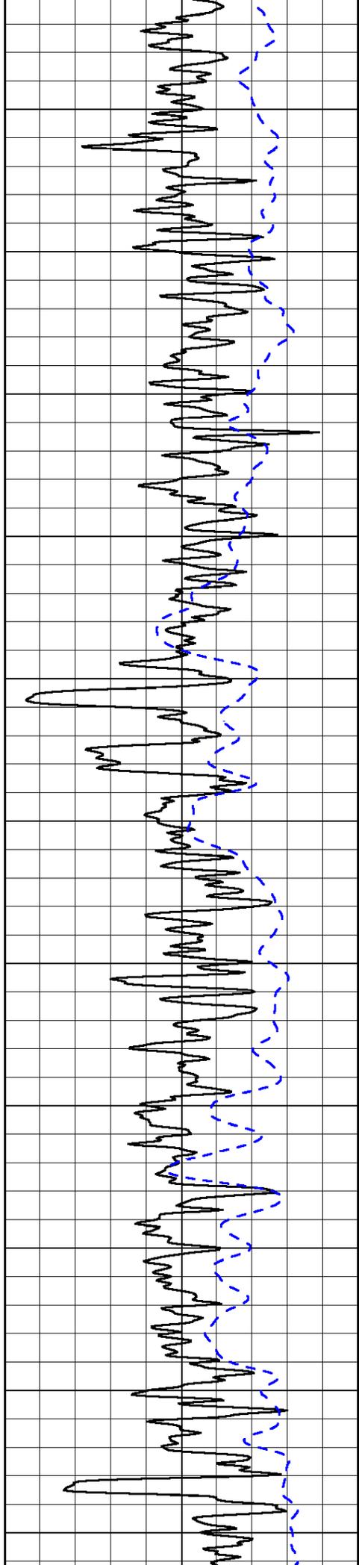


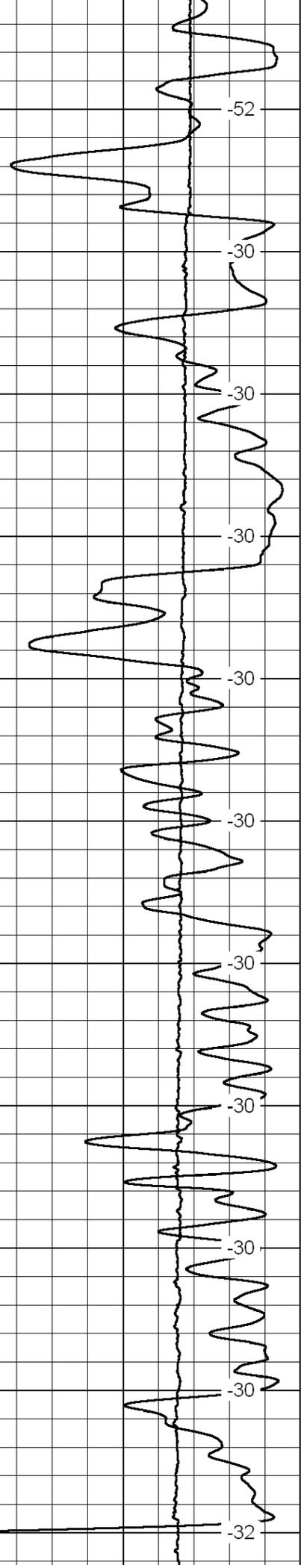
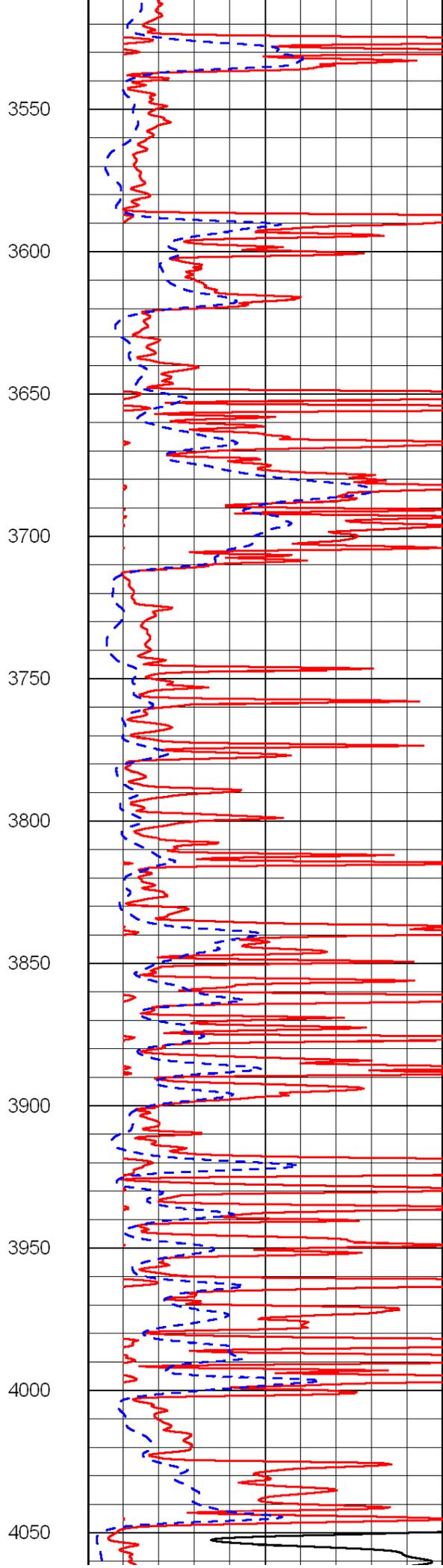
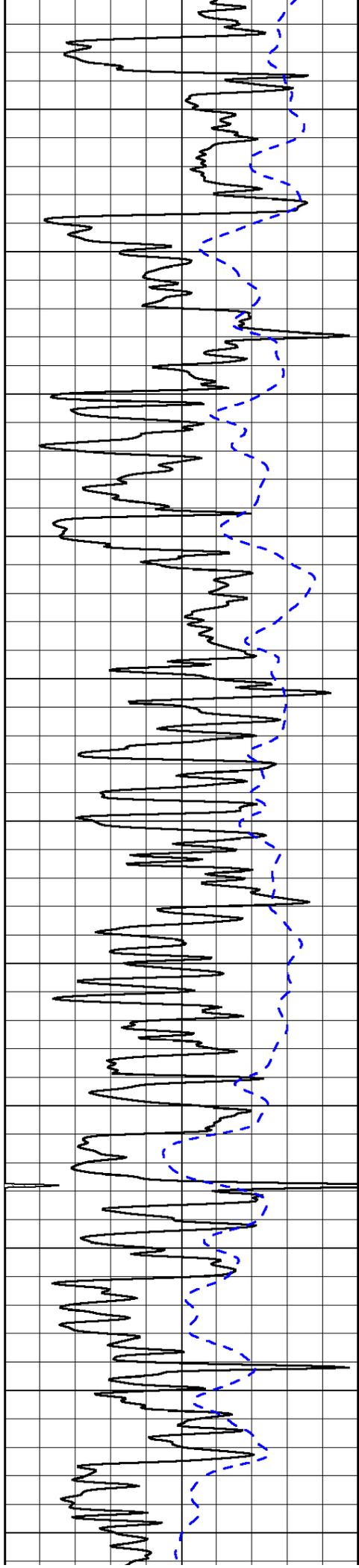


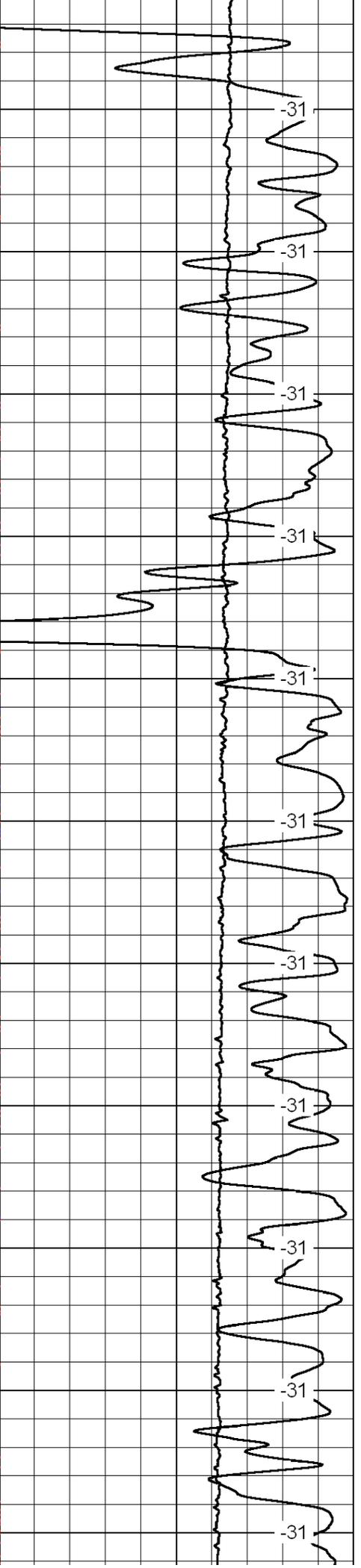
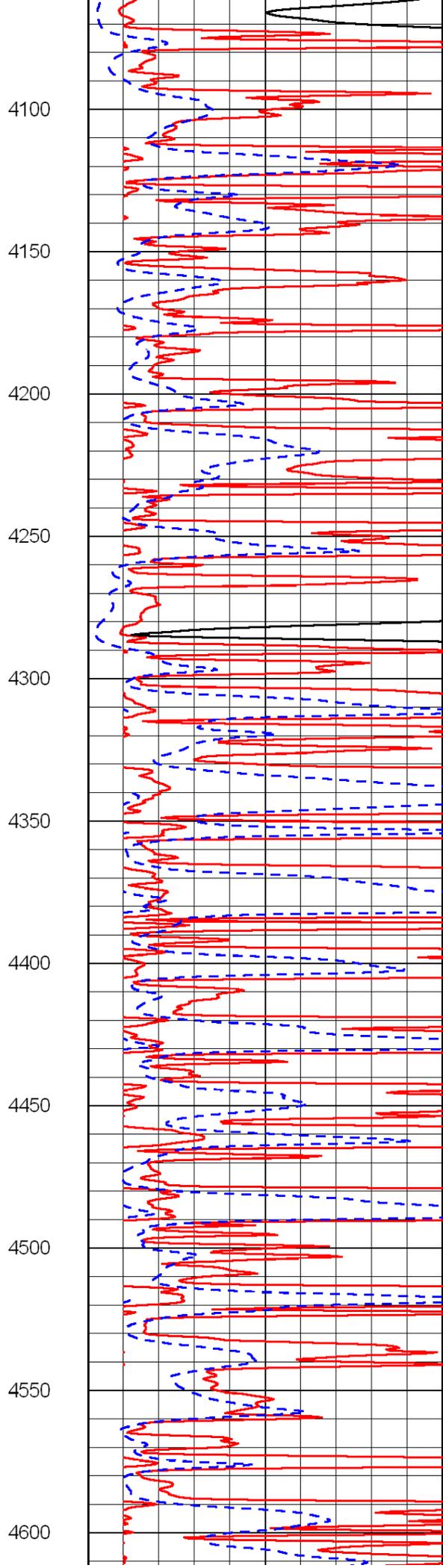
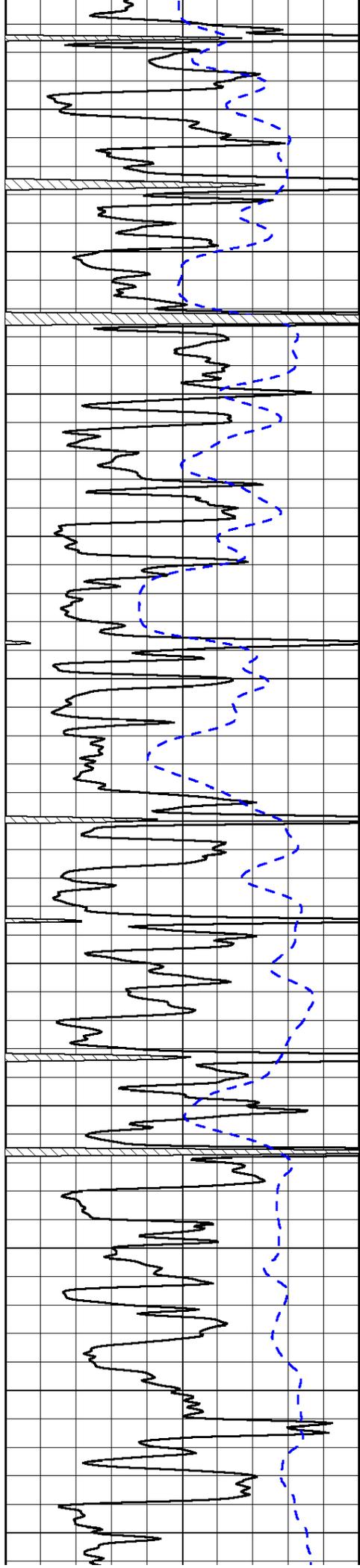


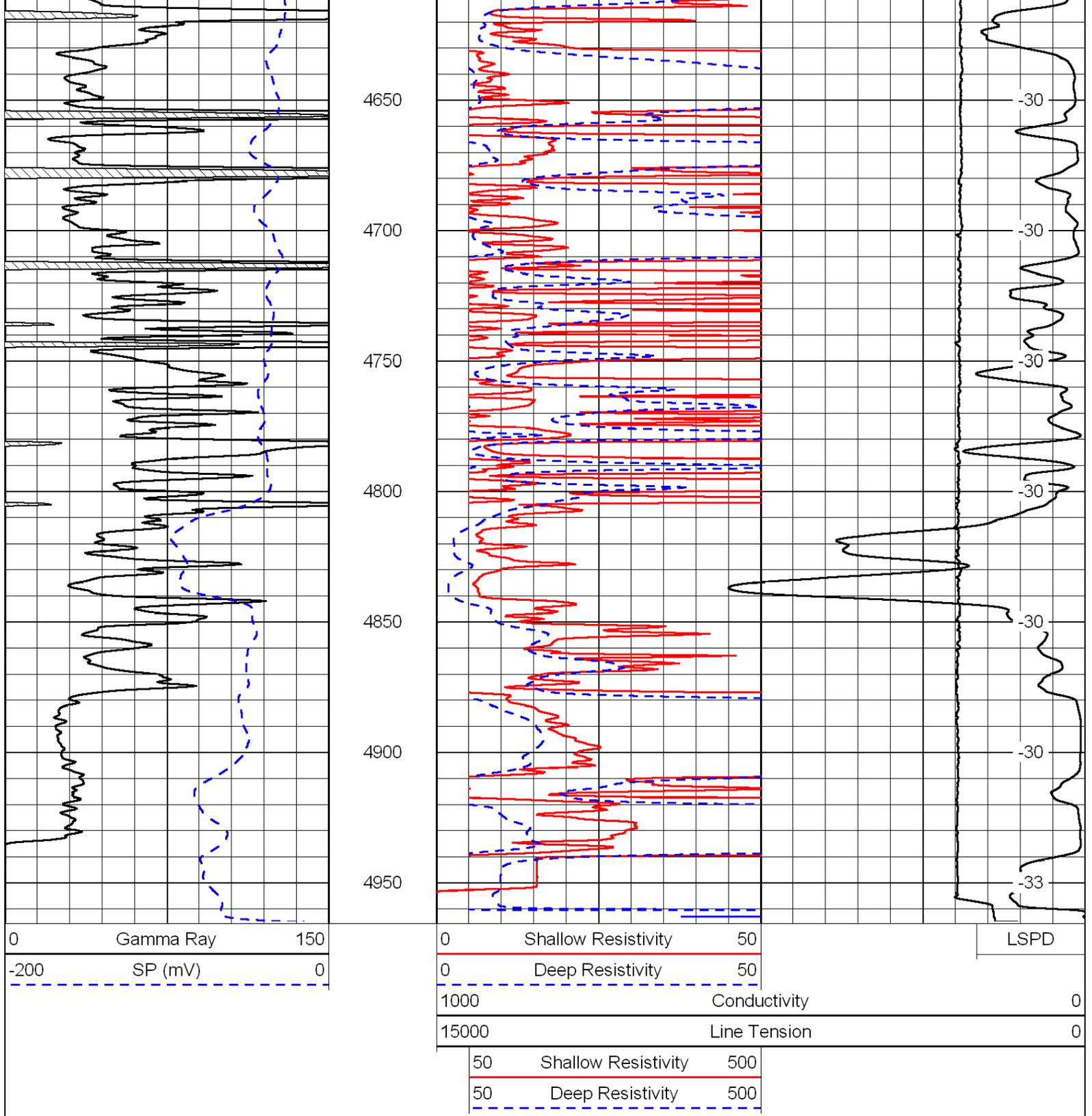




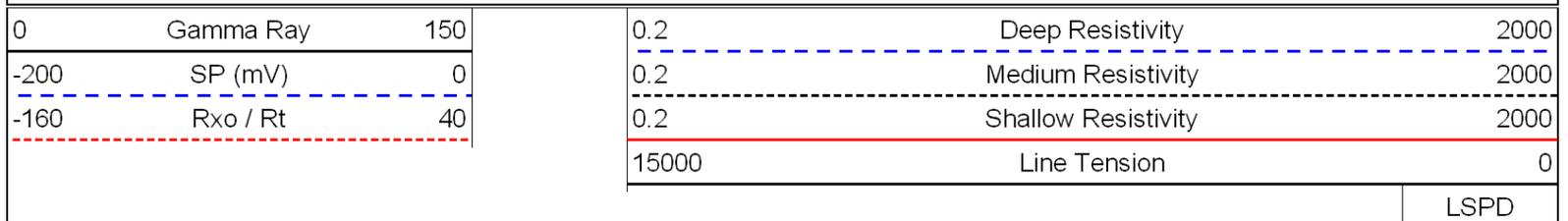


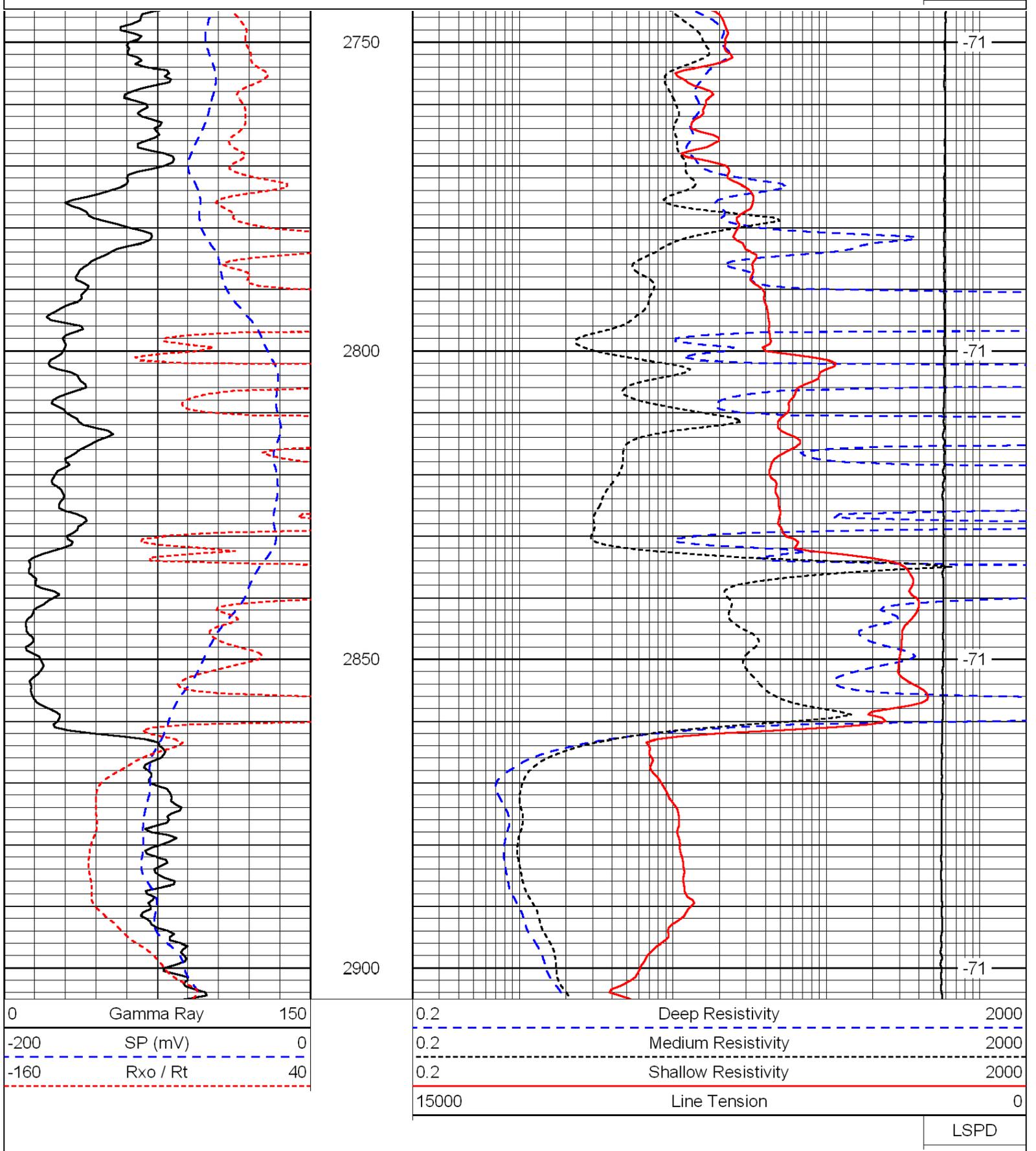






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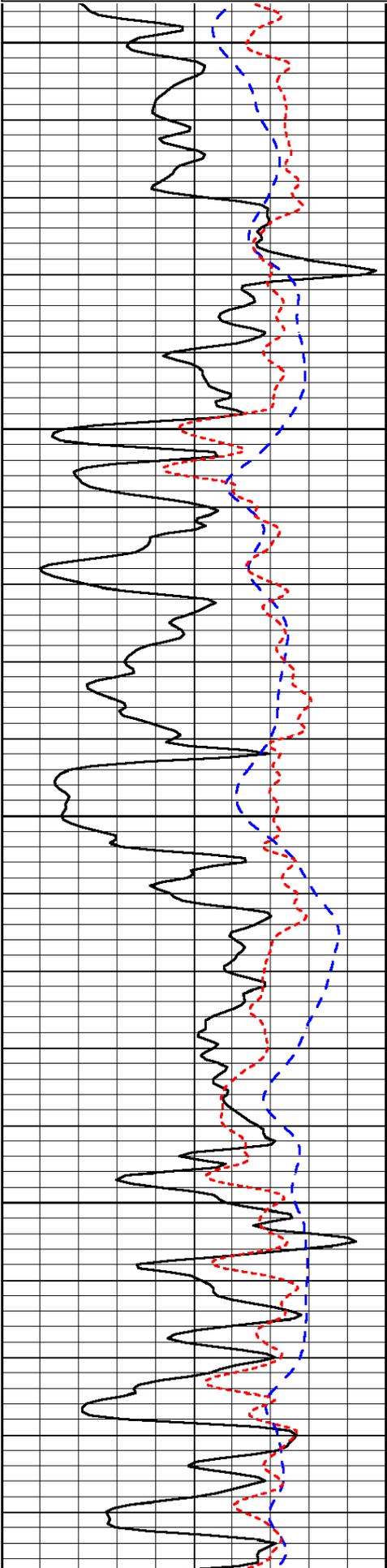
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-160 Rxo / Rt 40

0.2 Shallow Resistivity 2000  
15000 Line Tension 0

LSPD

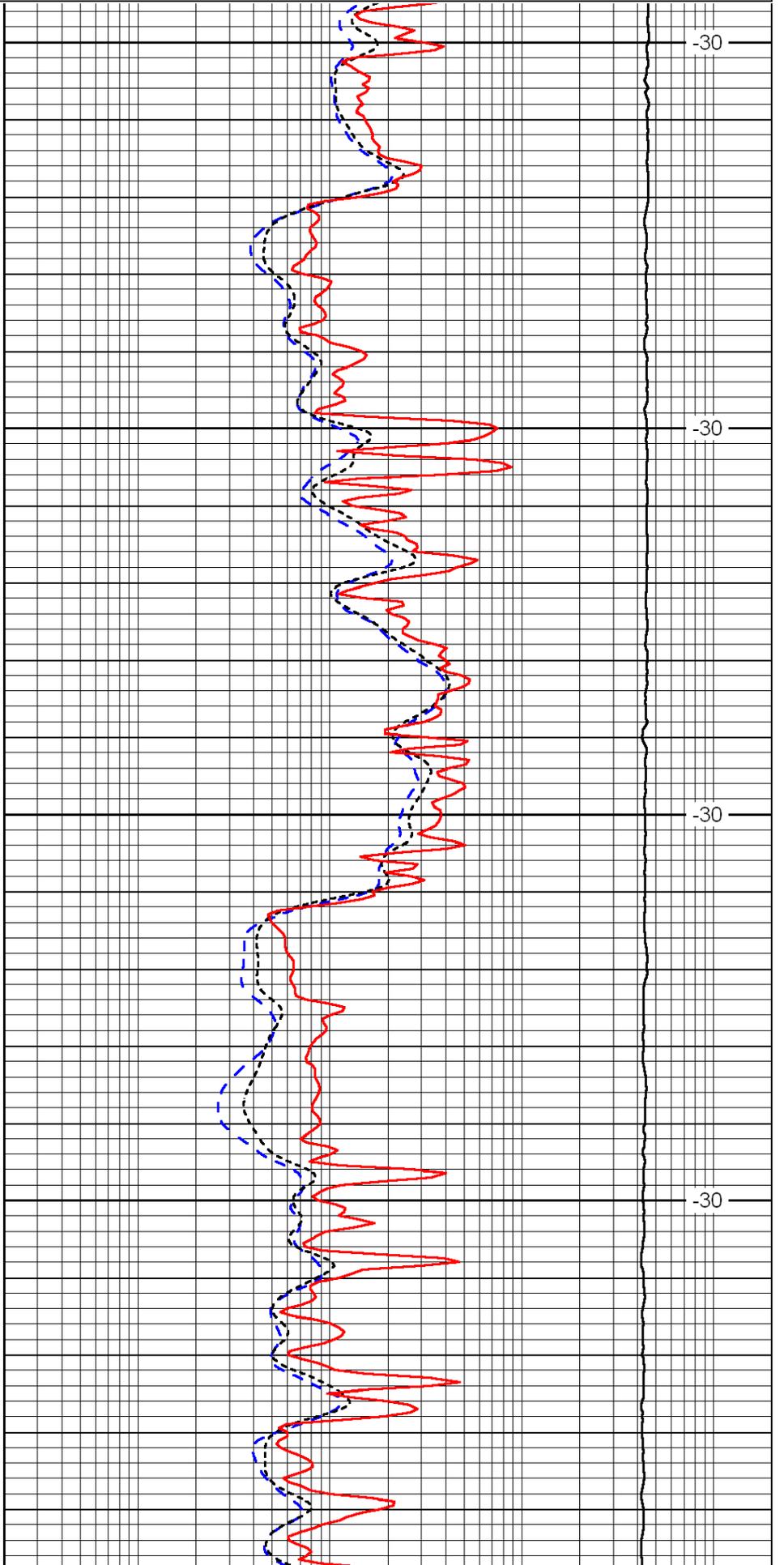


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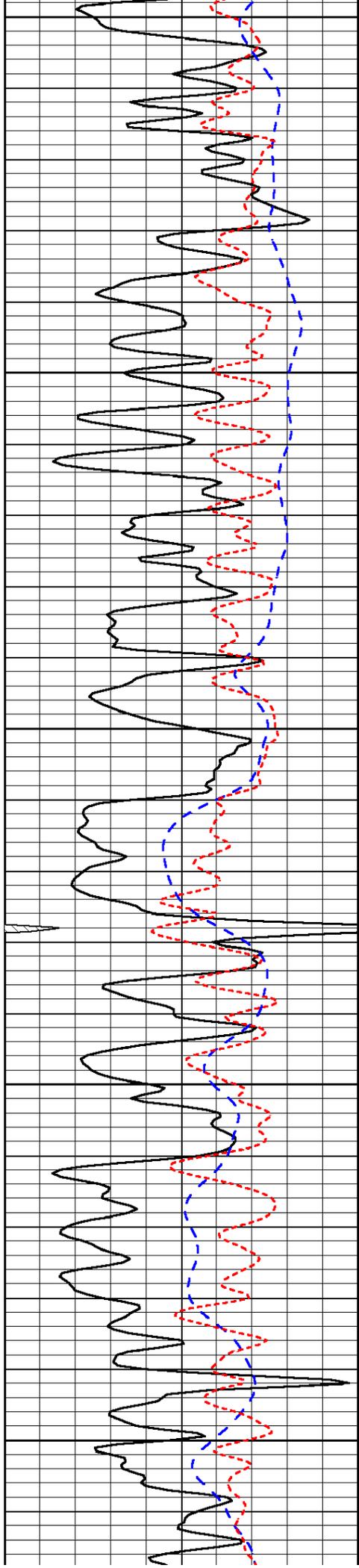


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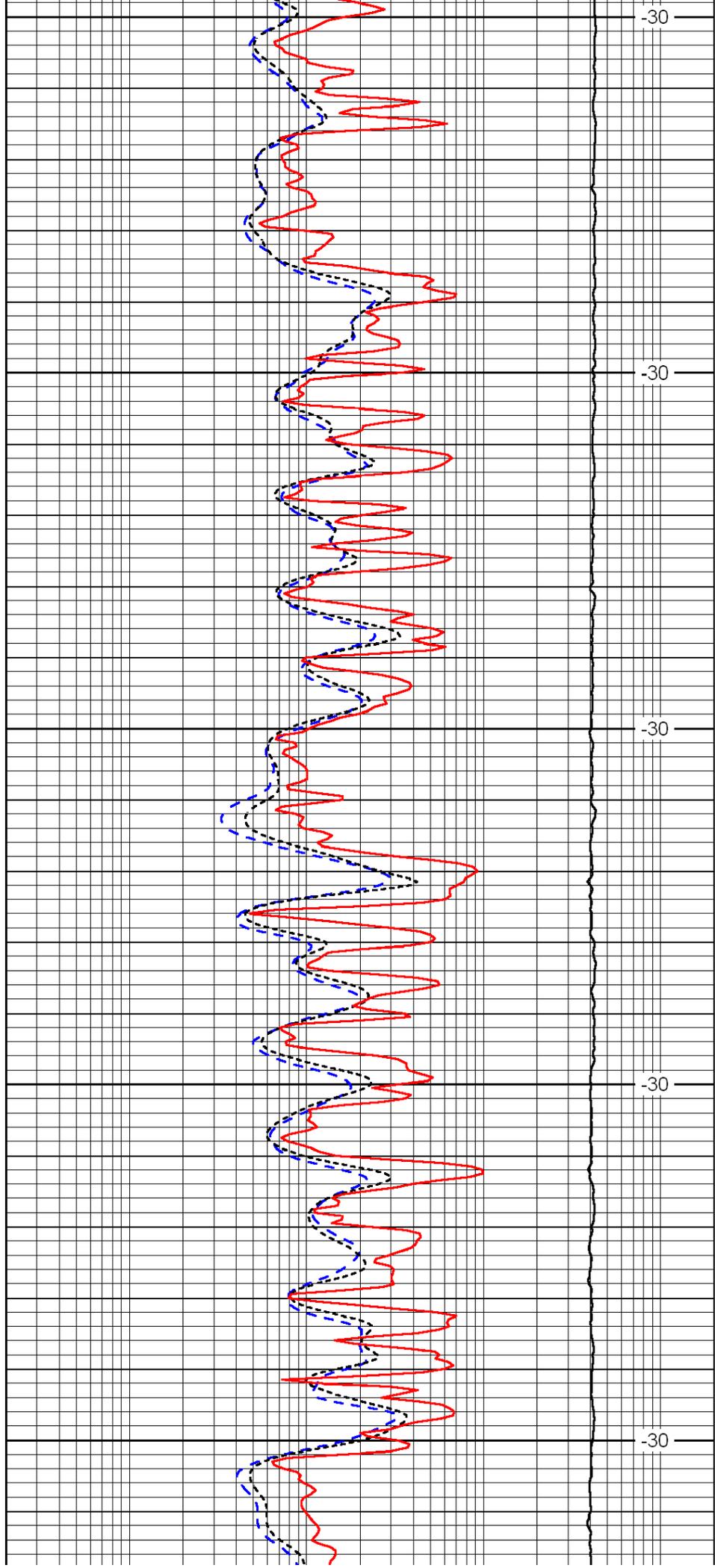
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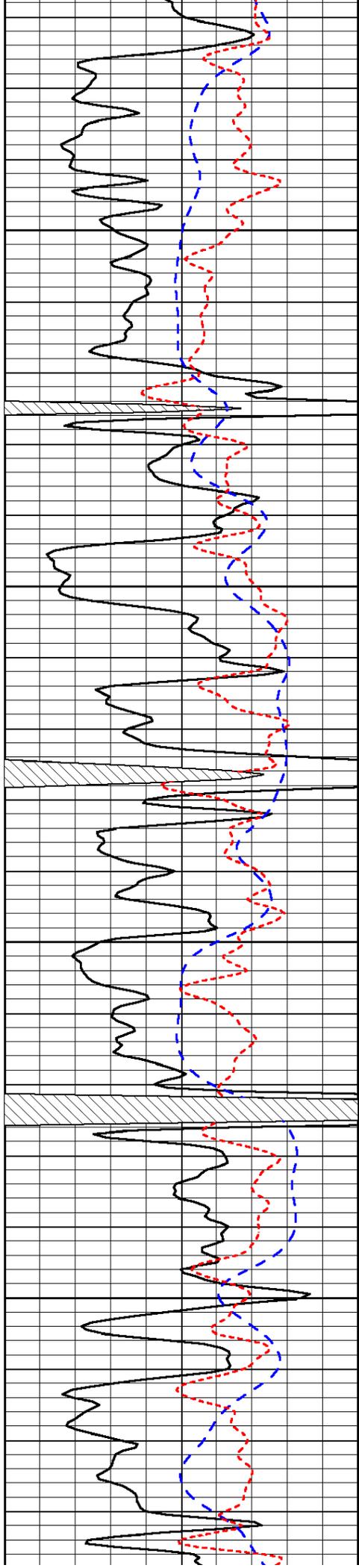
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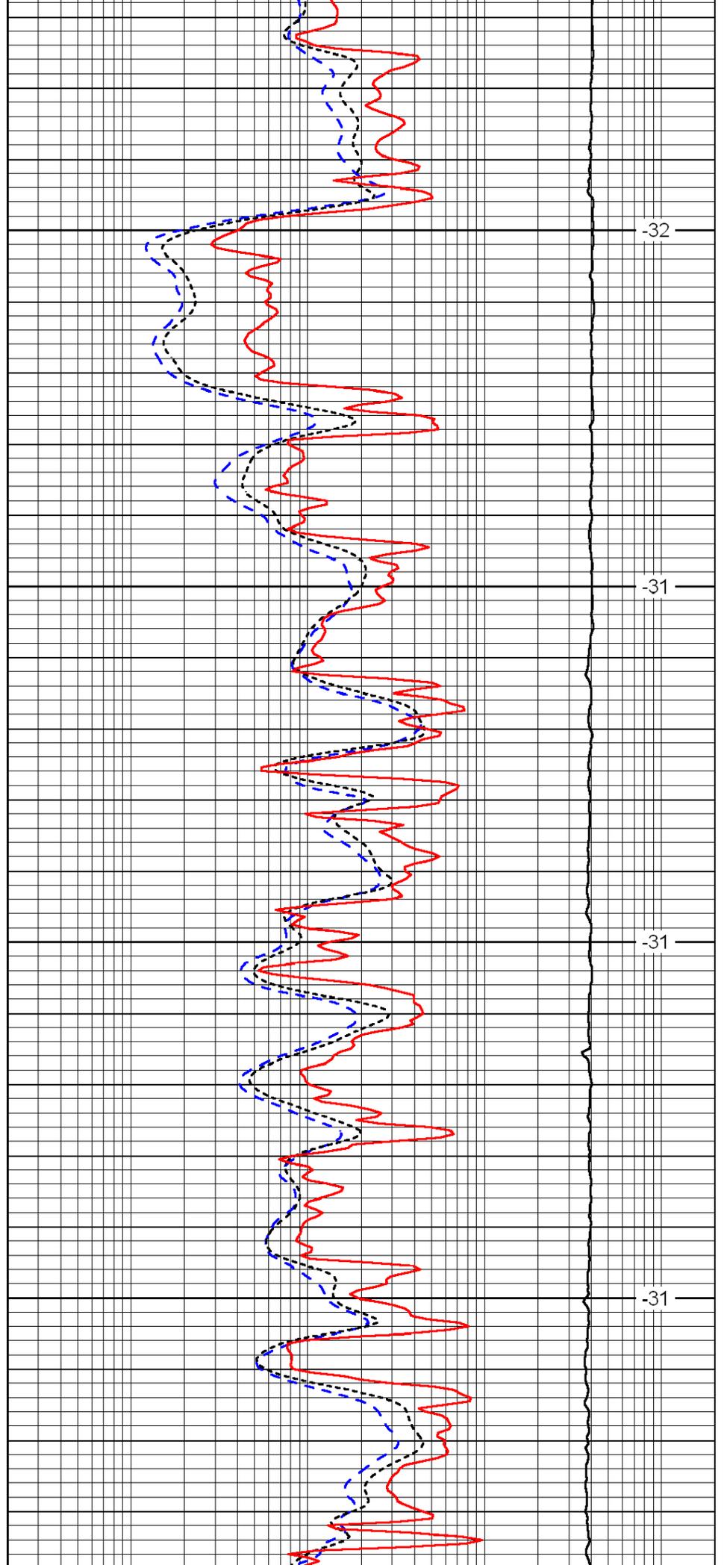


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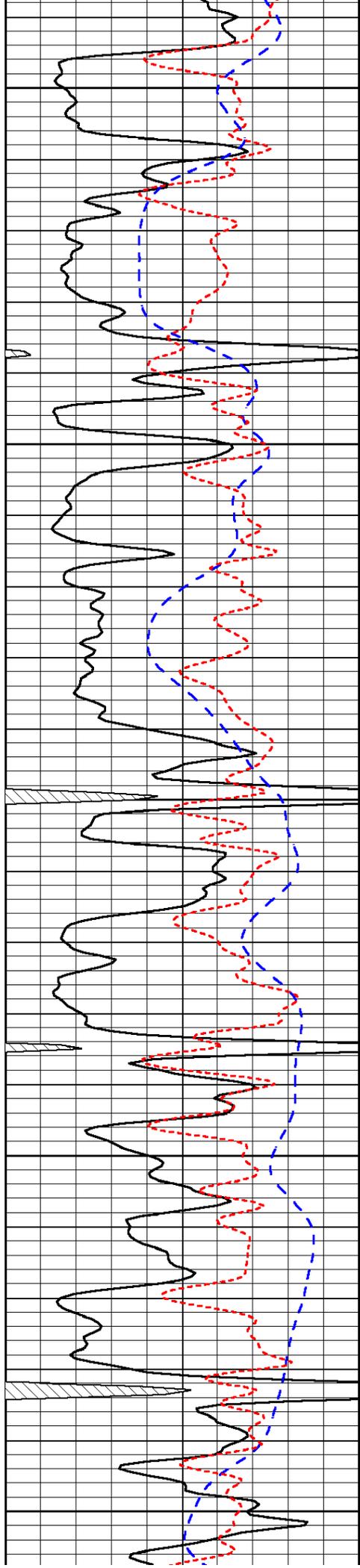


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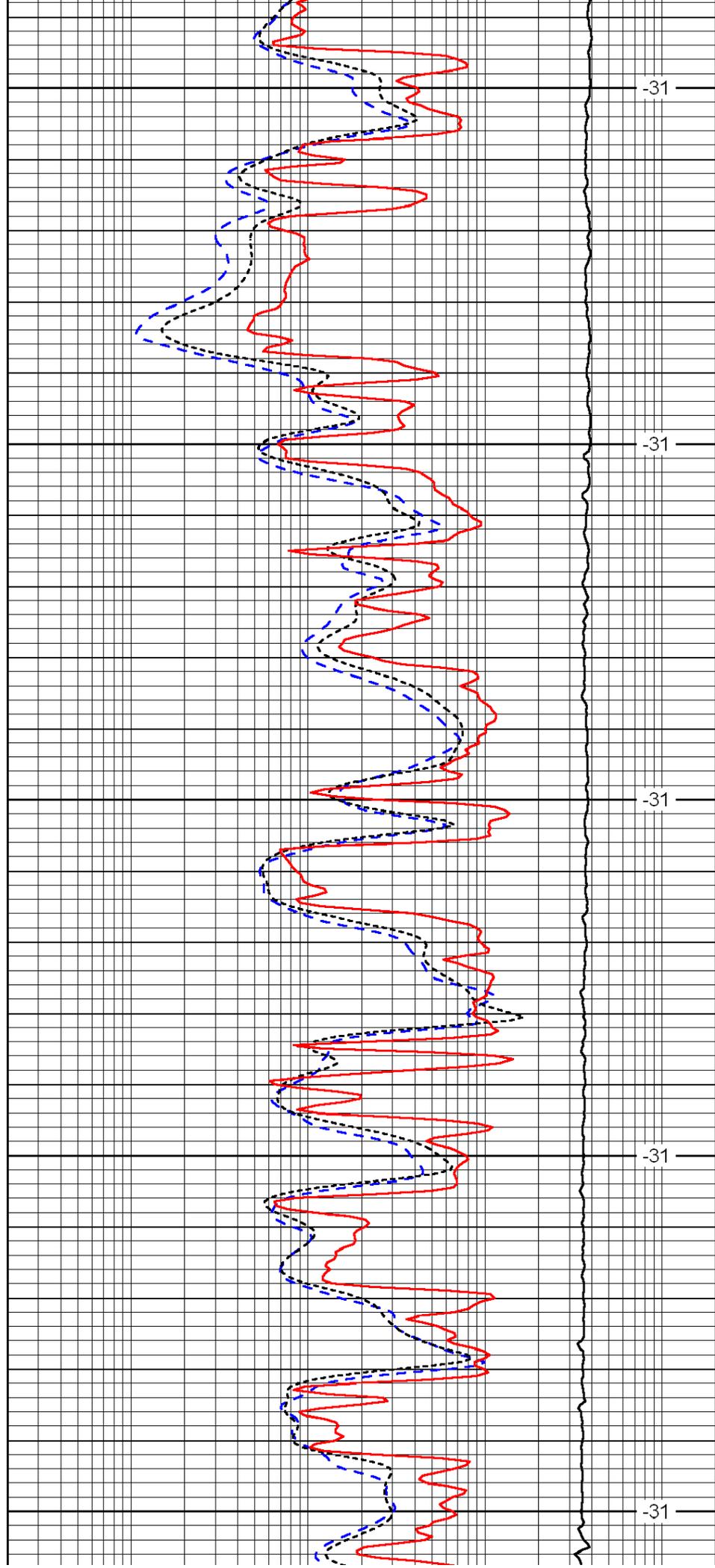
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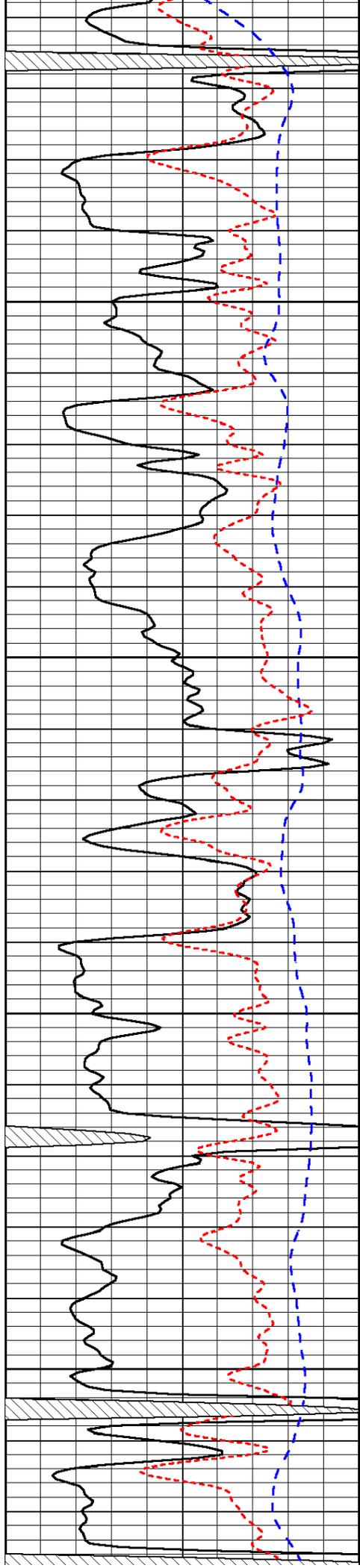
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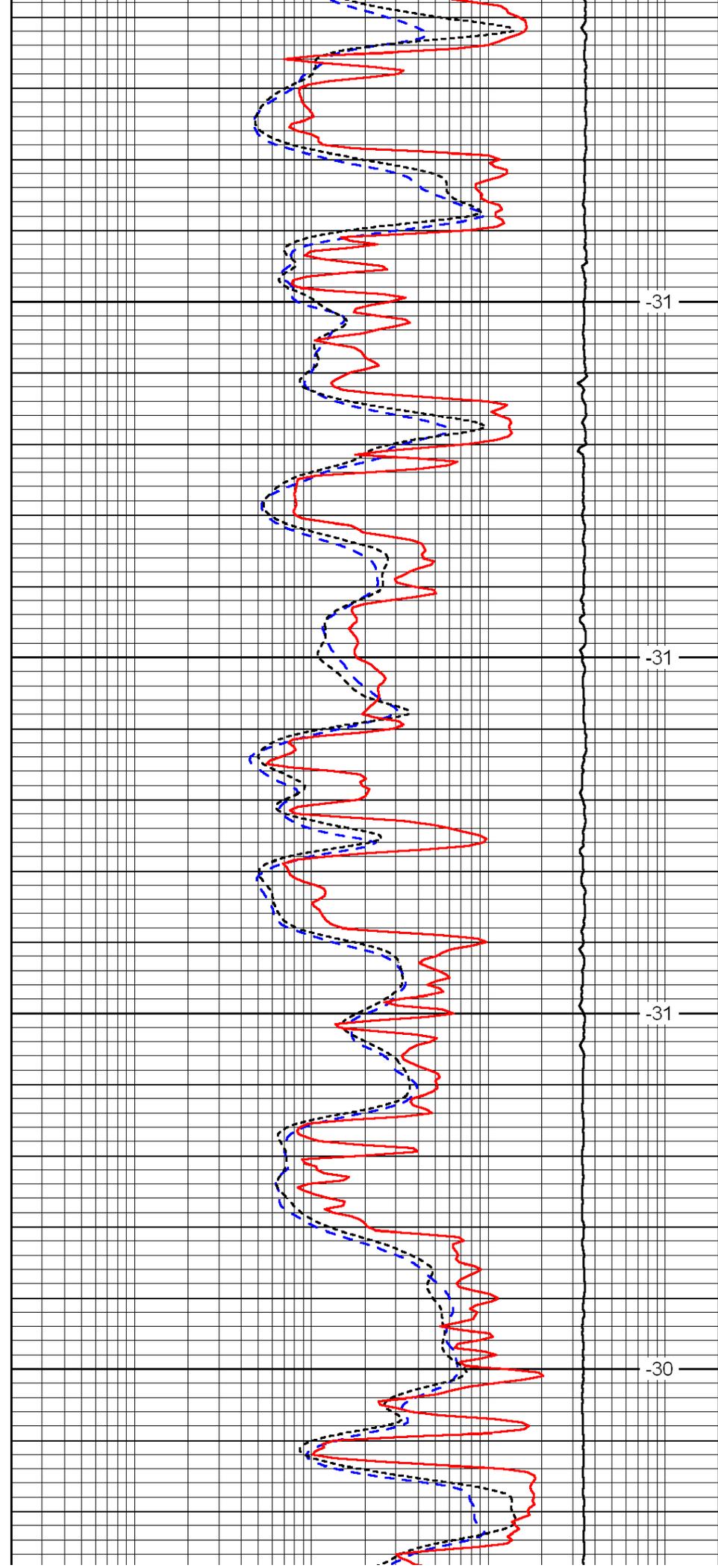


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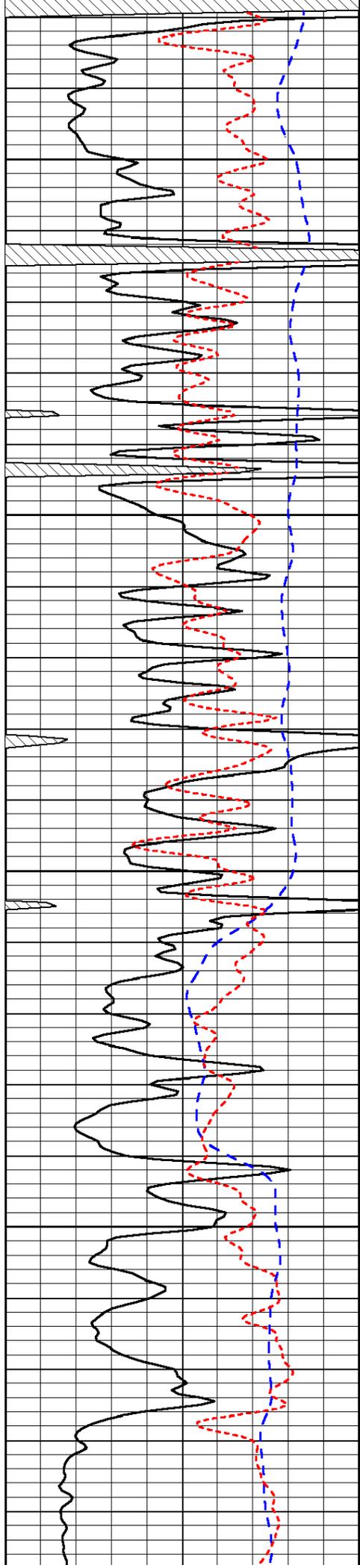


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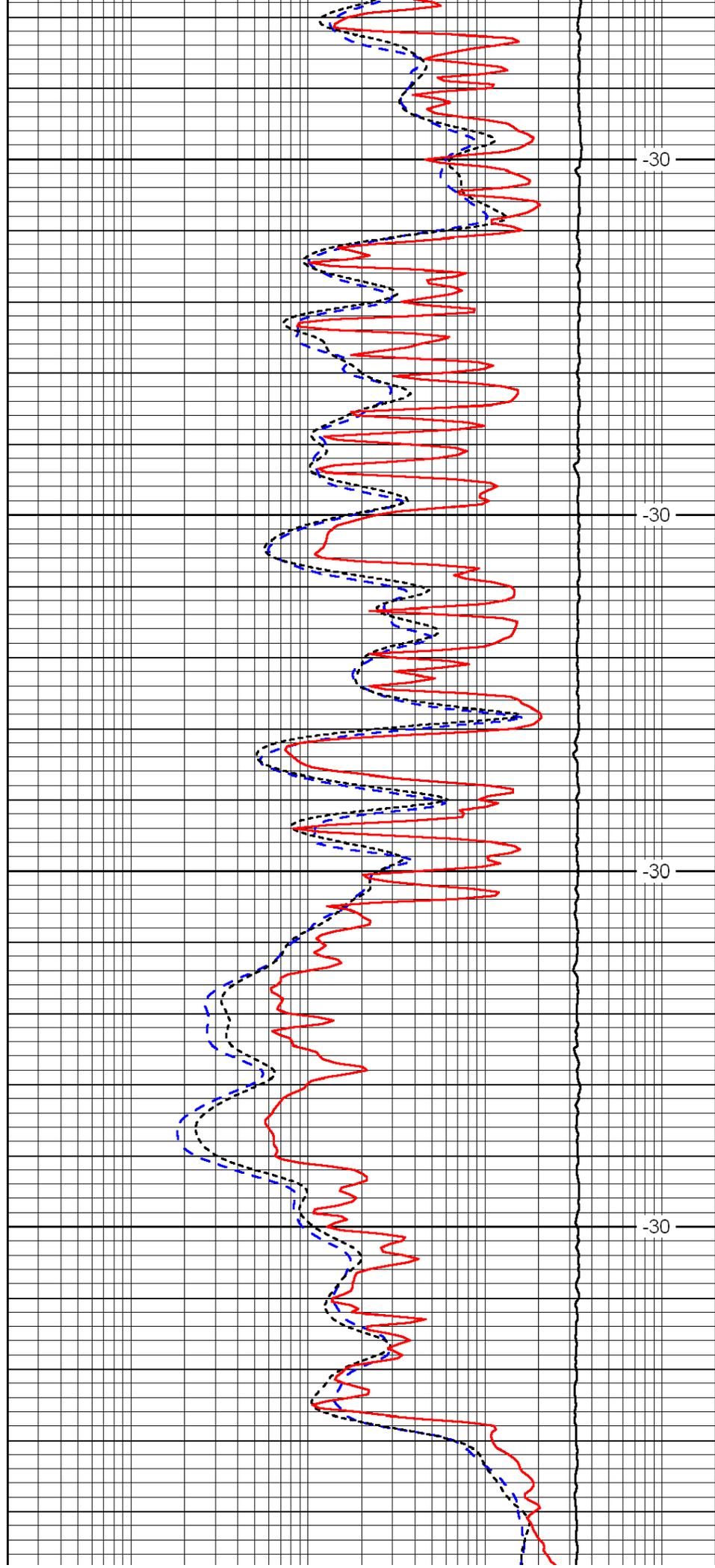


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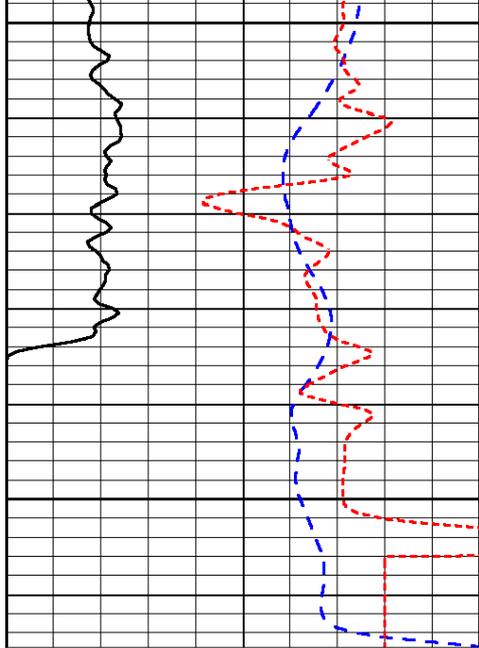


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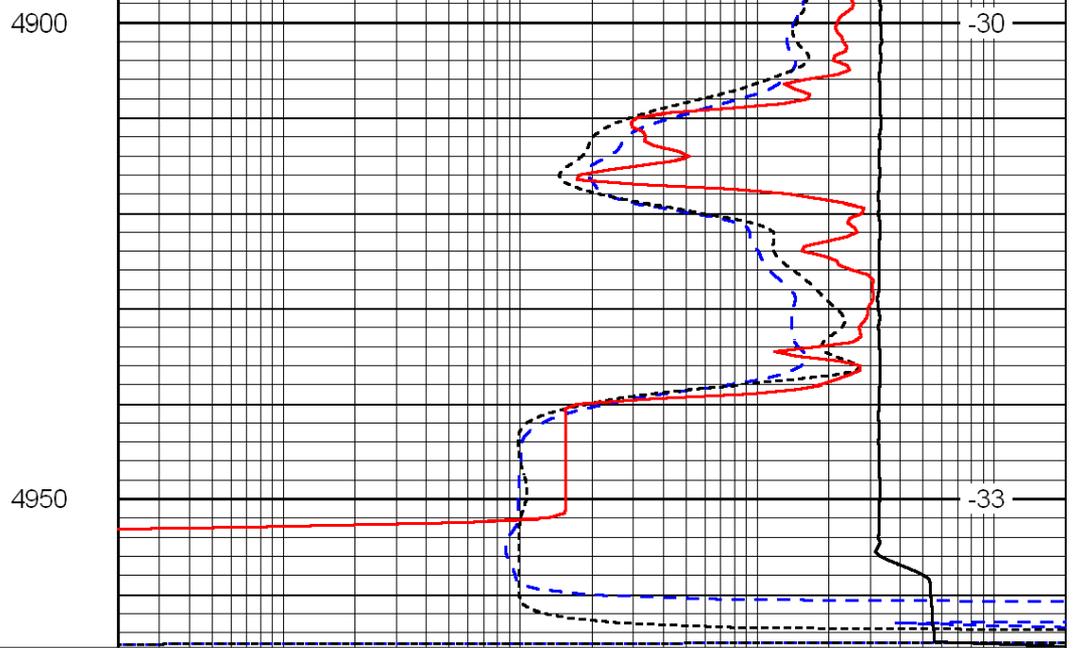
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0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40



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

LSPD