



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Downing-Nelson Oil Company, Inc.		
	Well Keller Trust No. 1-20		
	Field Steffen		
	County Pawnee	State	Kansas
15-145-21,643-00-00	Location SW SW NE SW 1,635' FSL & 1,455' FWL	Other Services CNL/CDL MEL	
	Sec: 20 Twp: 20S Rge: 20W	Elevation	
Permanent Datum	Ground Level	Elevation 2195	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2203 D.F. 2195 G.L. 2195	
Date	6/30/2011		
Run Number	One		
Depth Driller	4360		
Depth Logger	4358		
Bottom Logged Interval	4357		
Top Log Interval	1150		
Casing Driller	8,625 @ 1160		
Casing Logger	1157		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	8000		
Density / Viscosity	9.0 51		
pH / Fluid Loss	8.0 11.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.34 @ 90		
Rmf @ Meas. Temp	.26 @ 90		
Rmc @ Meas. Temp	.46 @ 90		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.26 @ 120		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	120		
Equipment Number	10		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Marc Downing		

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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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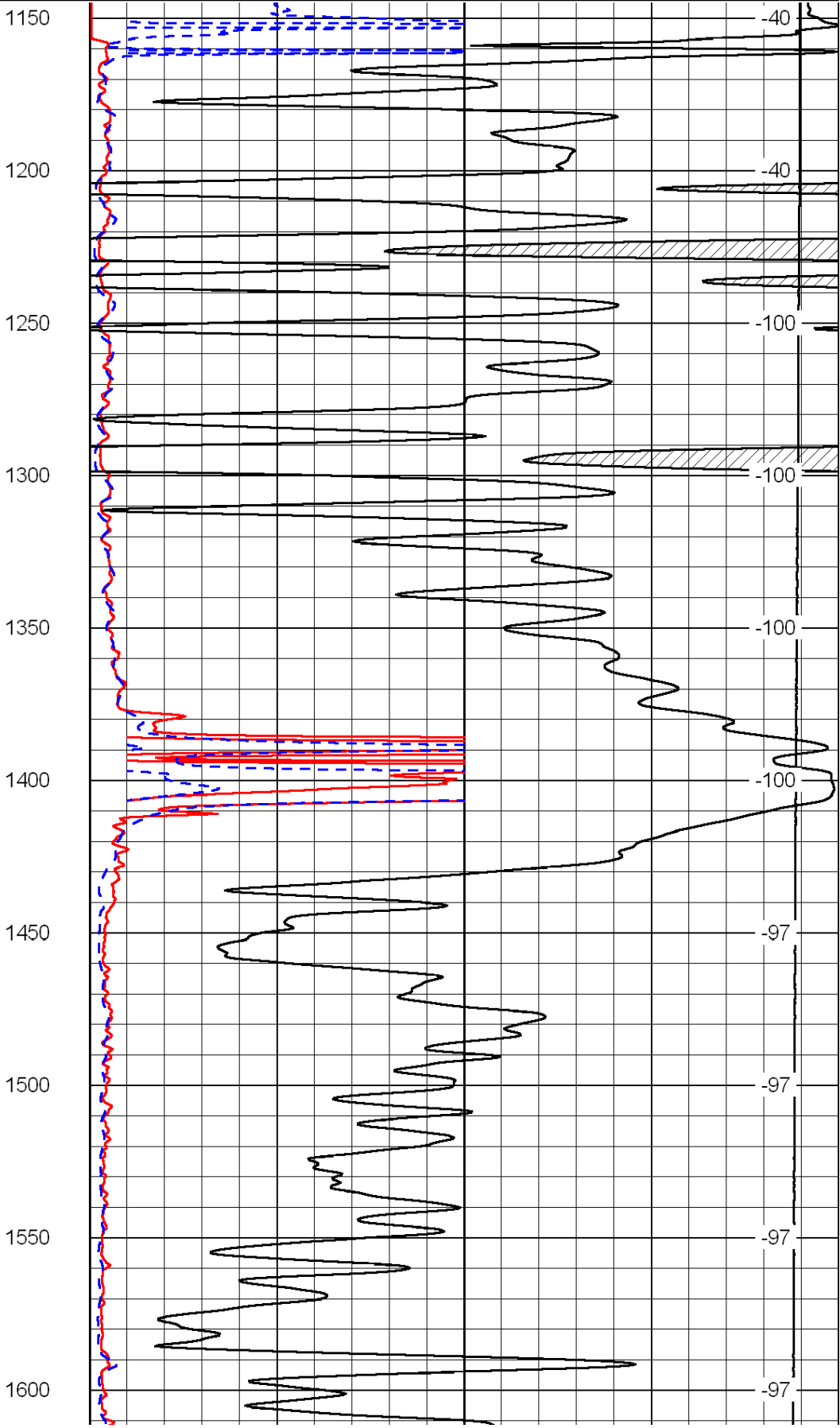
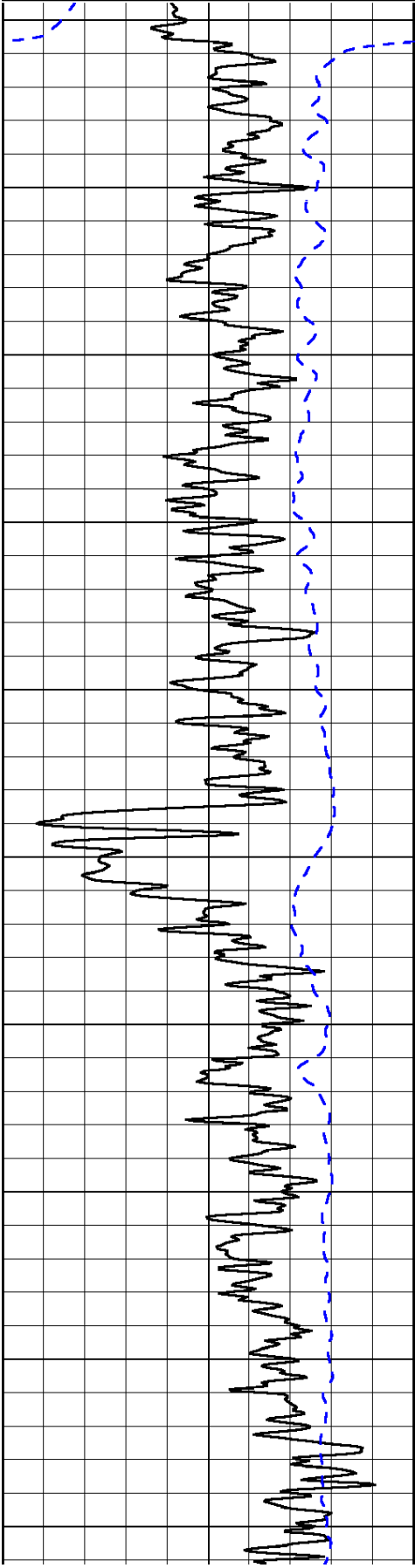
Alexander, 11 South to W Road, 1 West, 1/2 South, East Into

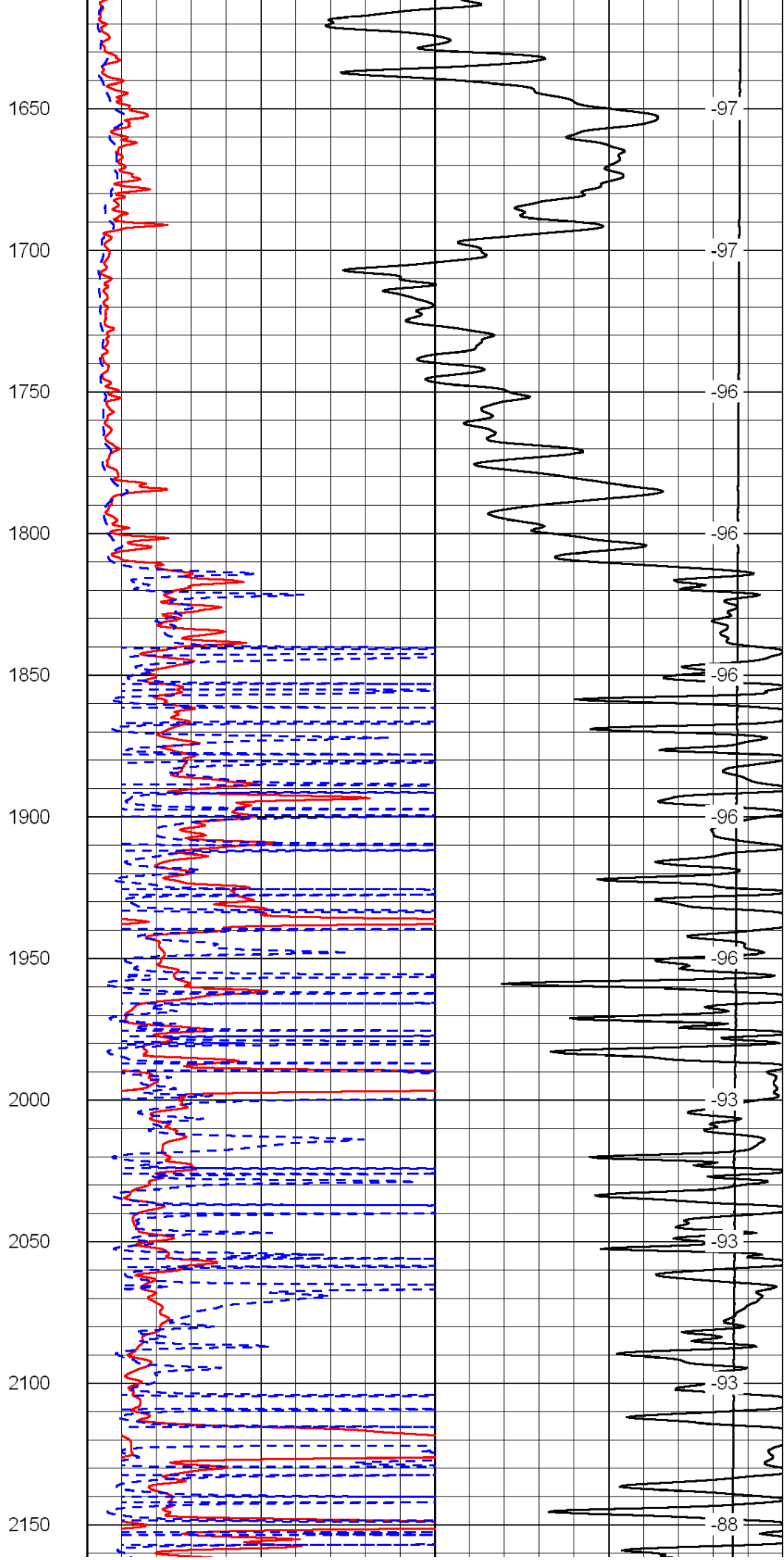
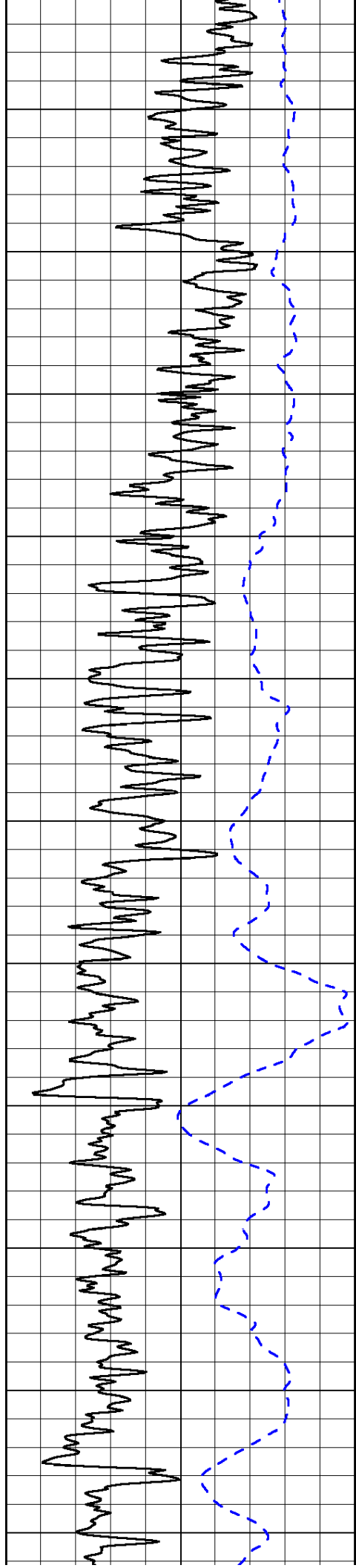
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Presentation Format: dil2in
Dataset Creation: Thu Jun 30 14:59:12 2011
Charted by: Depth in Feet scaled 1:600

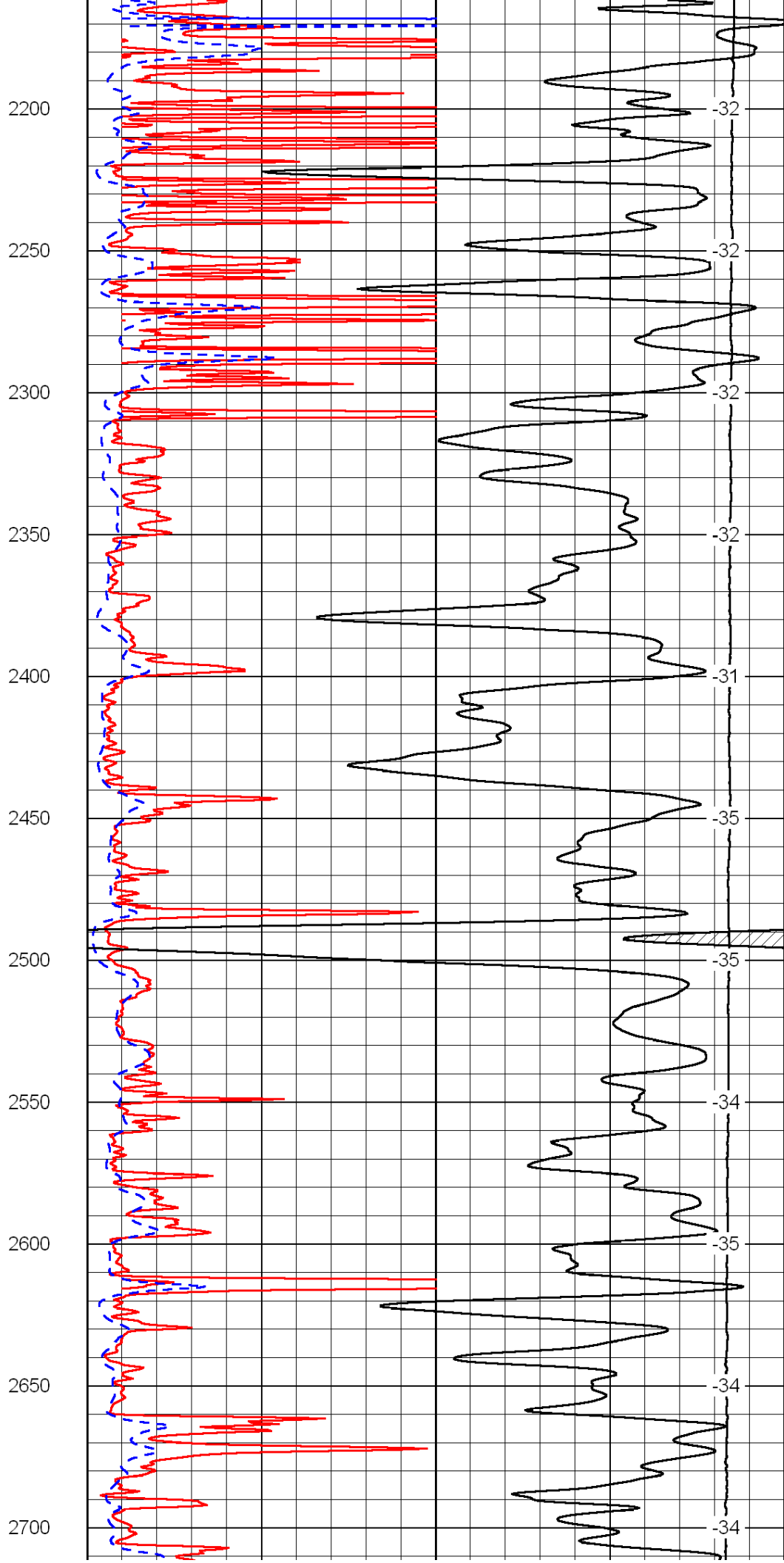
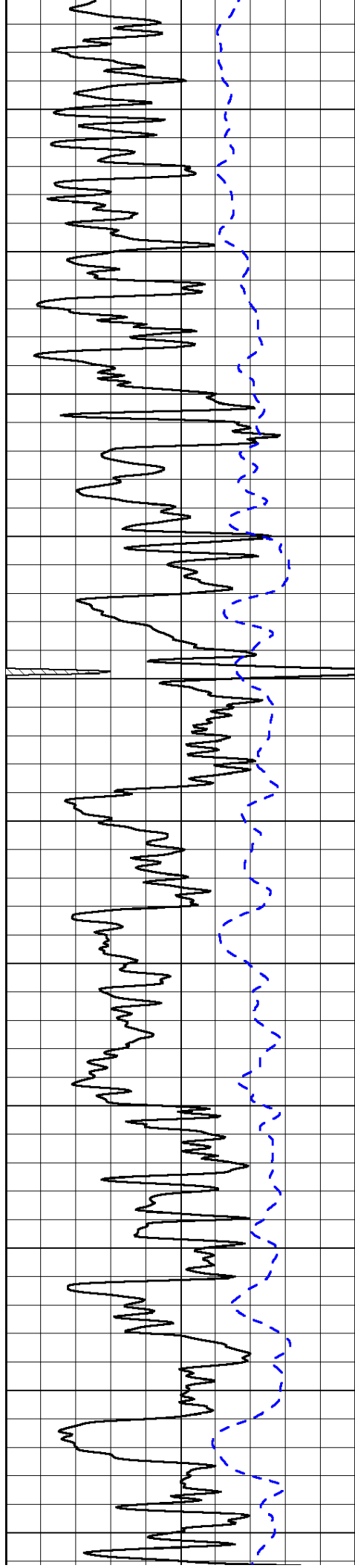
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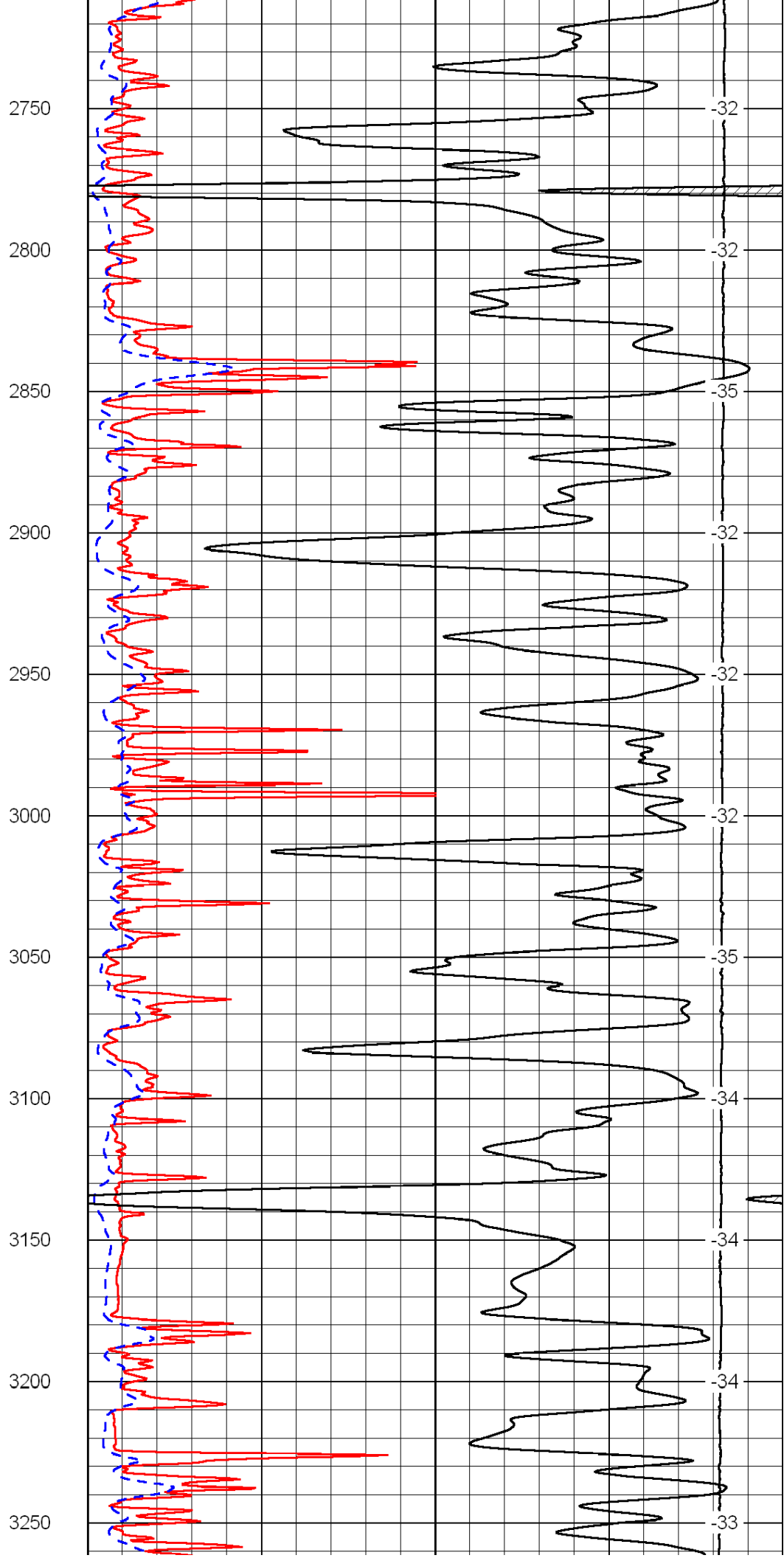
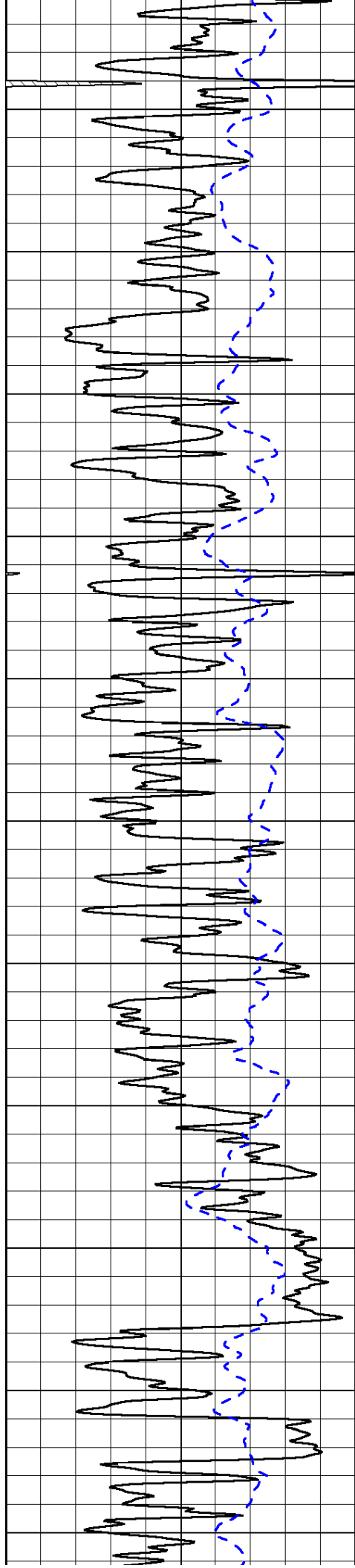
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-200	SP (mV)	0

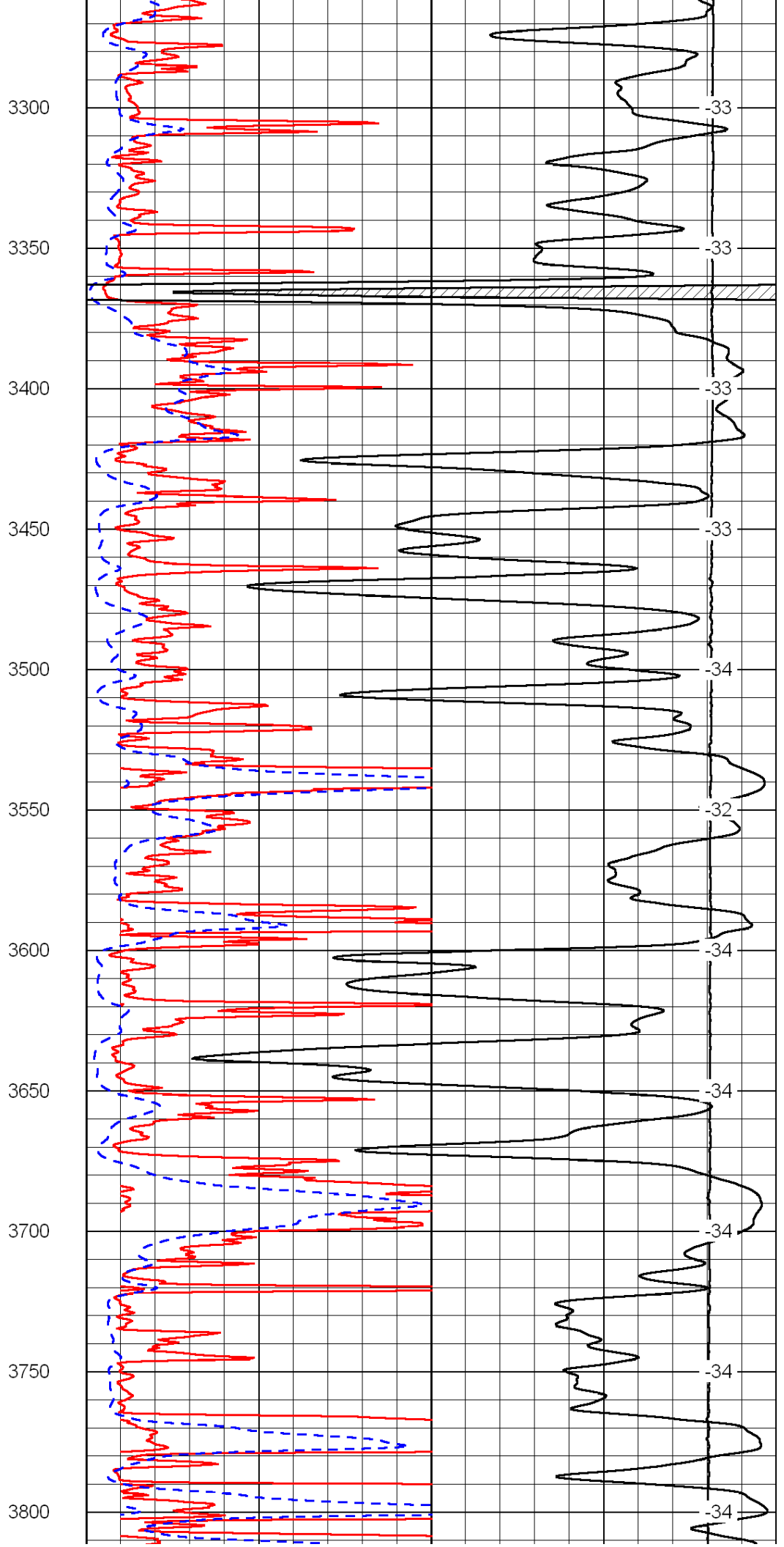
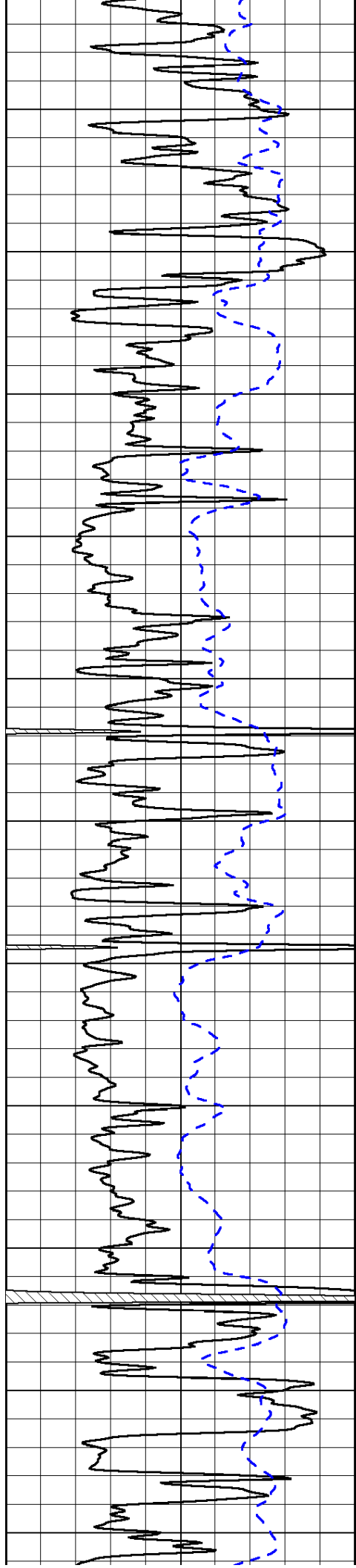
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

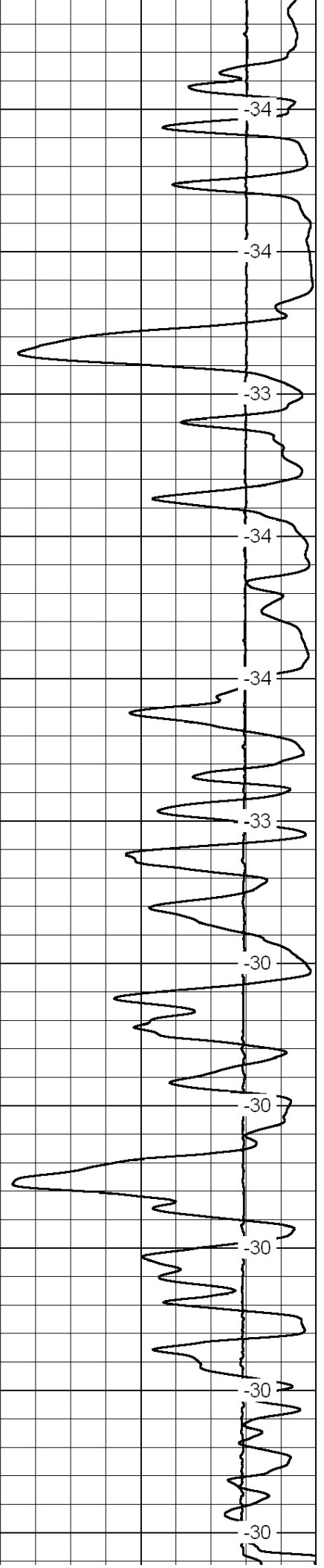
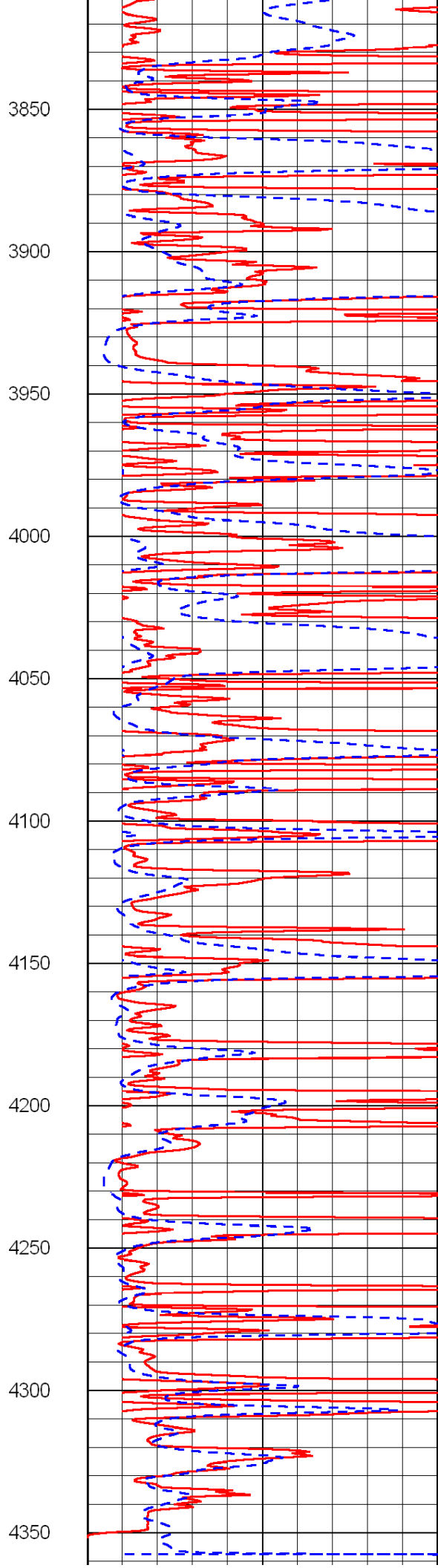
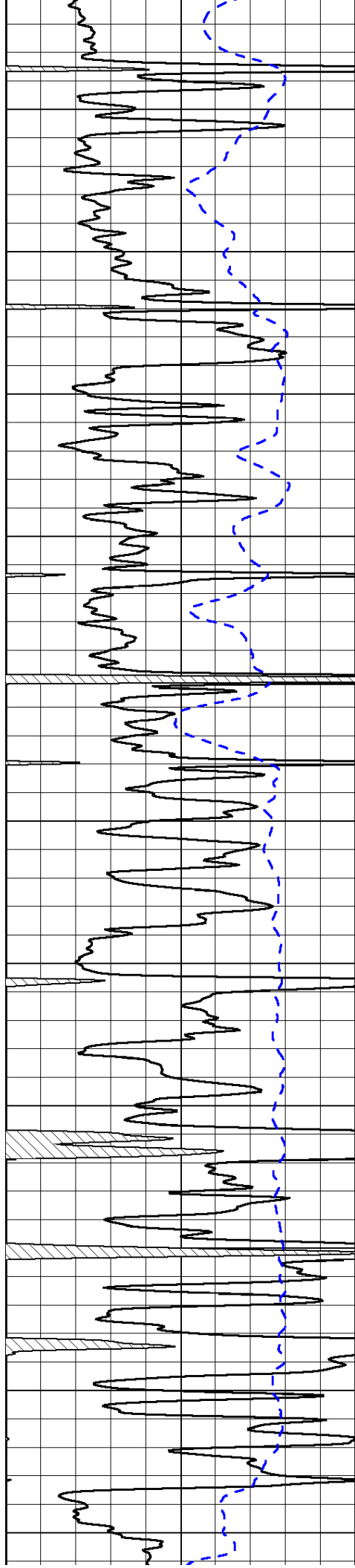






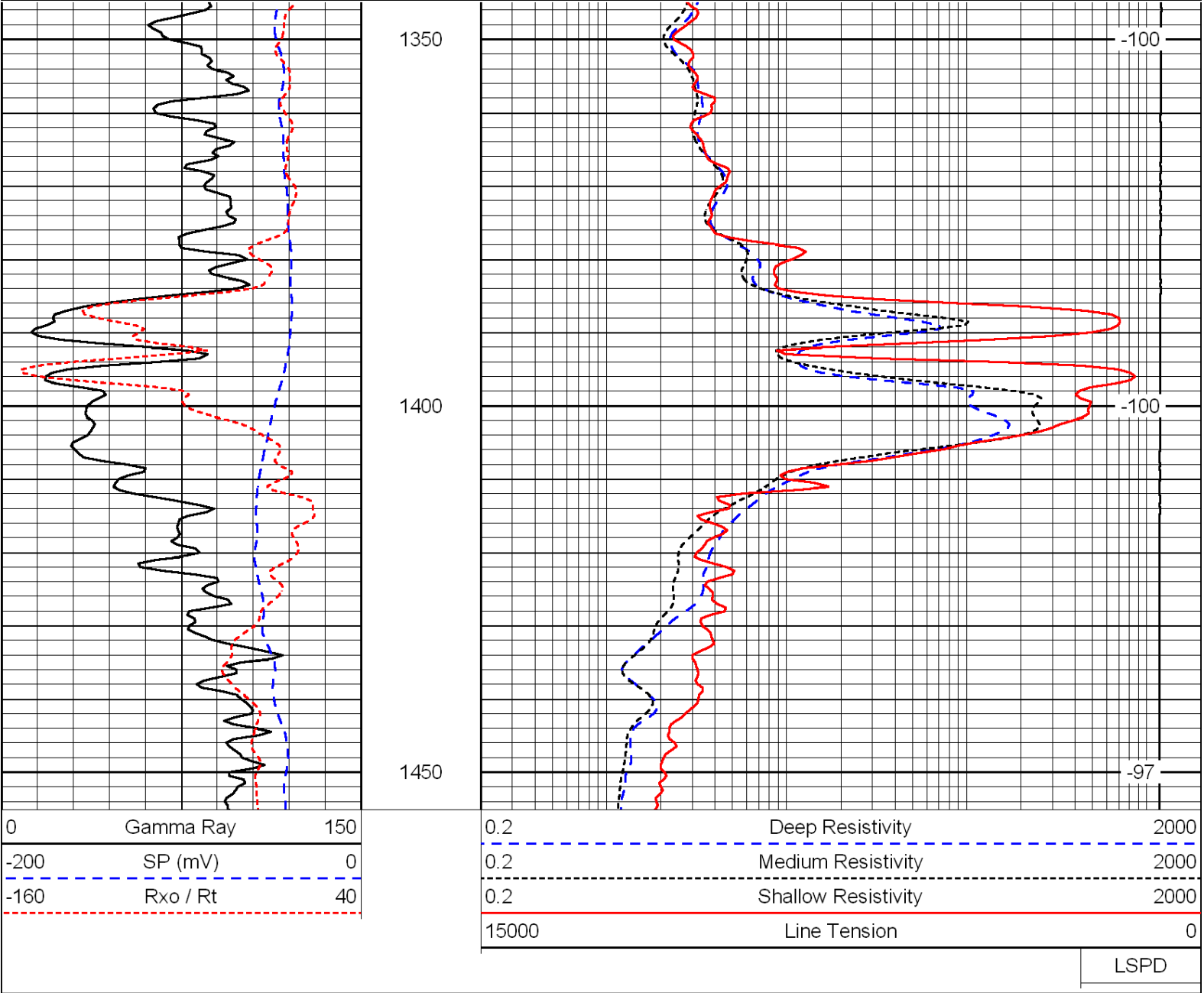






0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD
-200	SP (mV)	0	0	Deep Resistivity	50	
1000						Conductivity 0
15000						Line Tension 0
50						Shallow Resistivity 500
50						Deep Resistivity 500

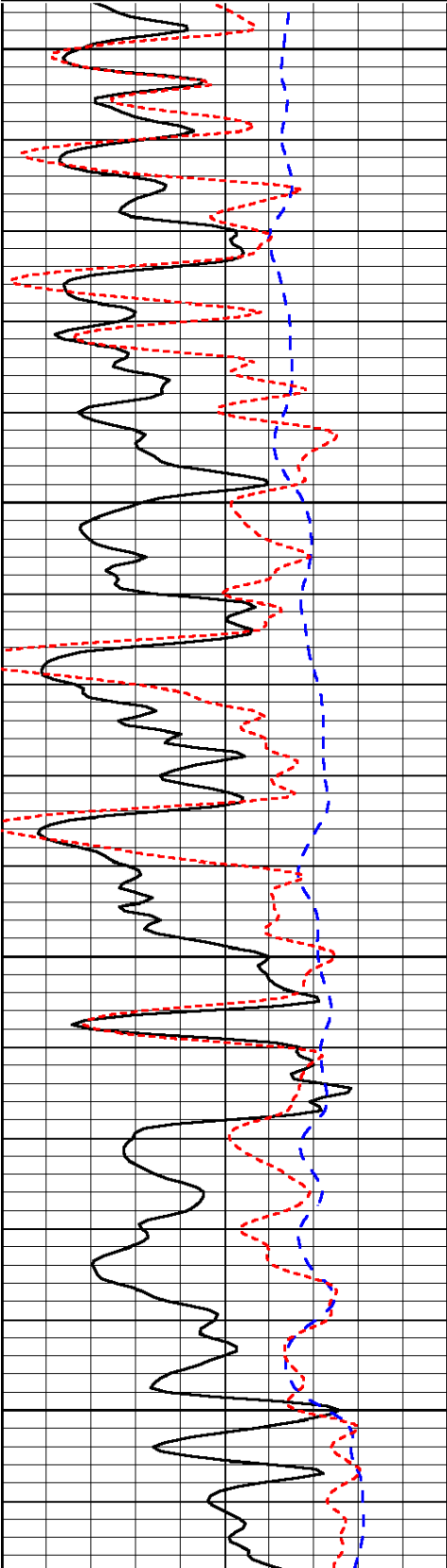
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Presentation Format:		dil				
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Charted by:		Depth in Feet scaled 1:240				
0	Gamma Ray	150	0.2	Deep Resistivity	2000	
-200	SP (mV)	0	0.2	Medium Resistivity	2000	
-160	Rxo / Rt	40	0.2	Shallow Resistivity	2000	
15000						Line Tension 0
						LSPD



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

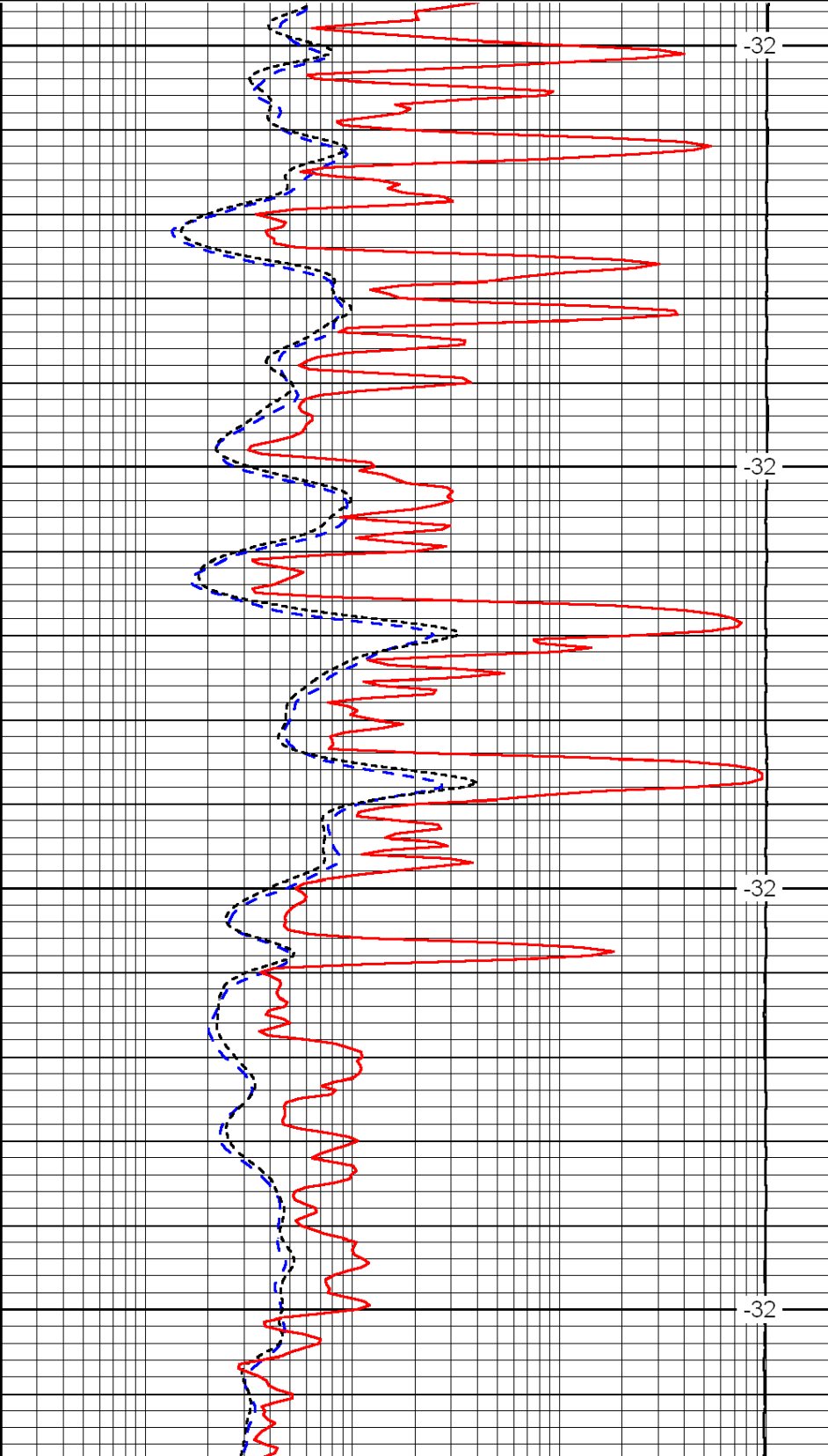


2200

2250

2300

2350

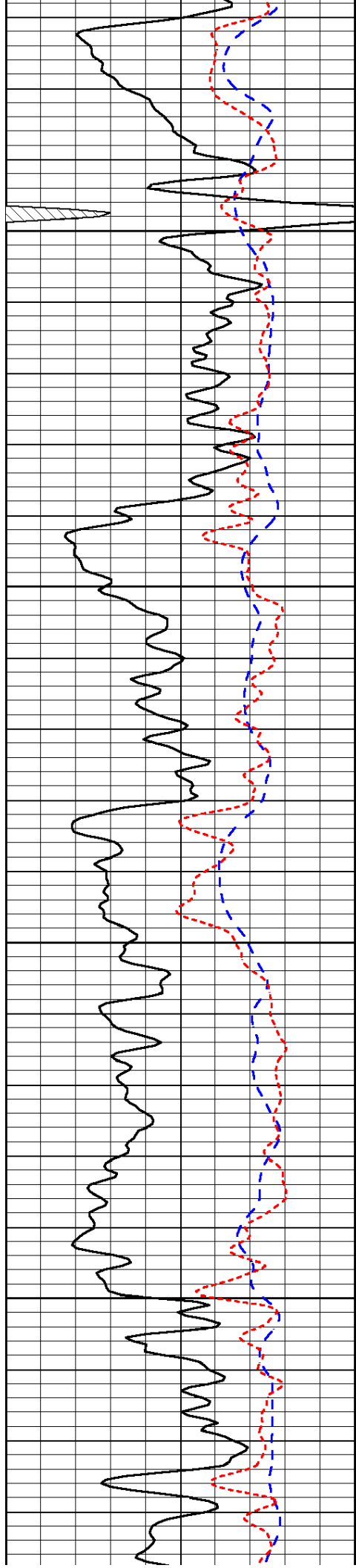


-32

-32

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-32

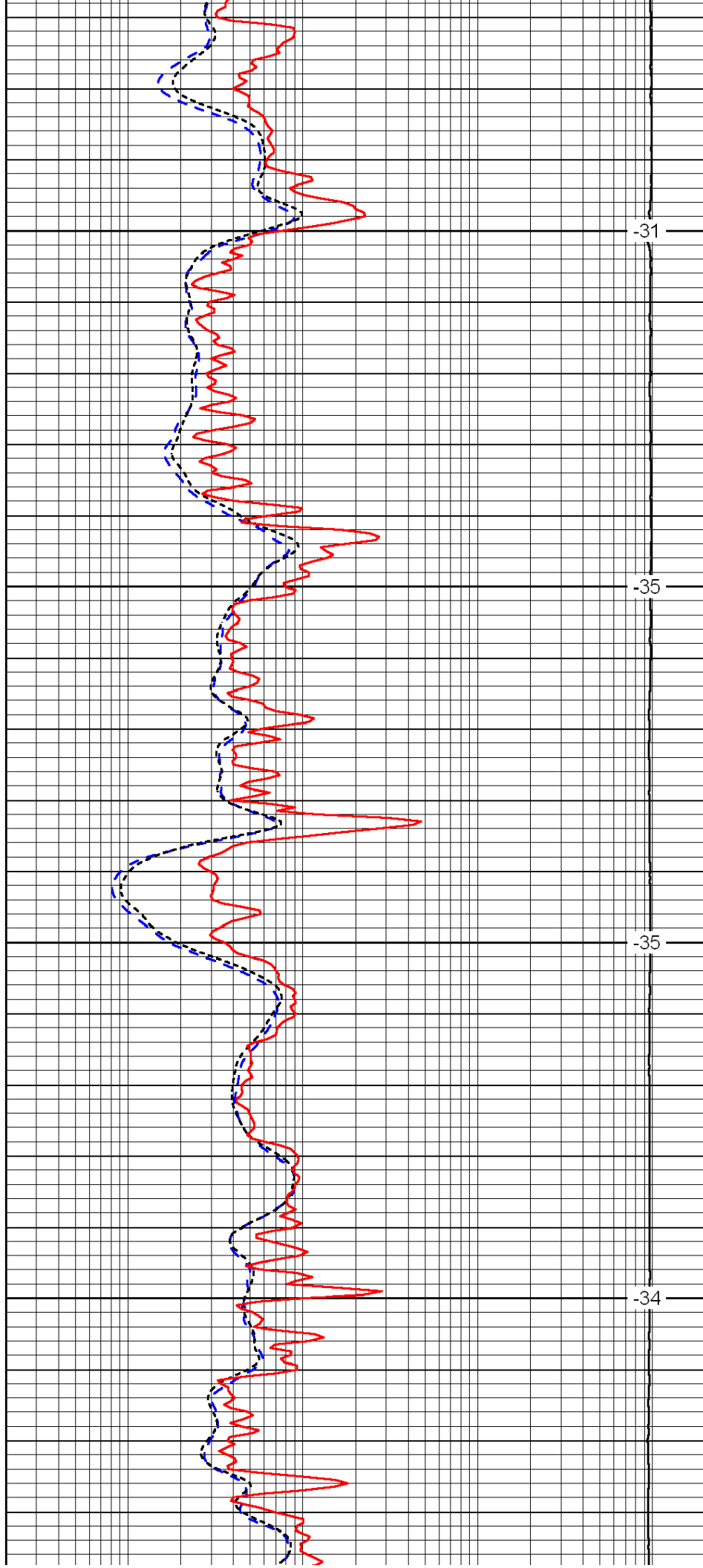


2400

2450

2500

2550

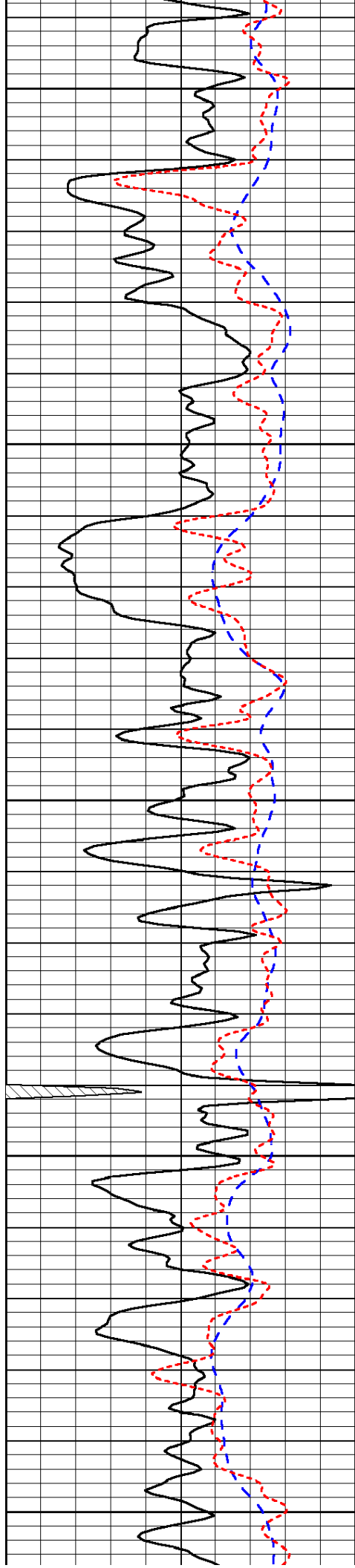


-31

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-35

-34



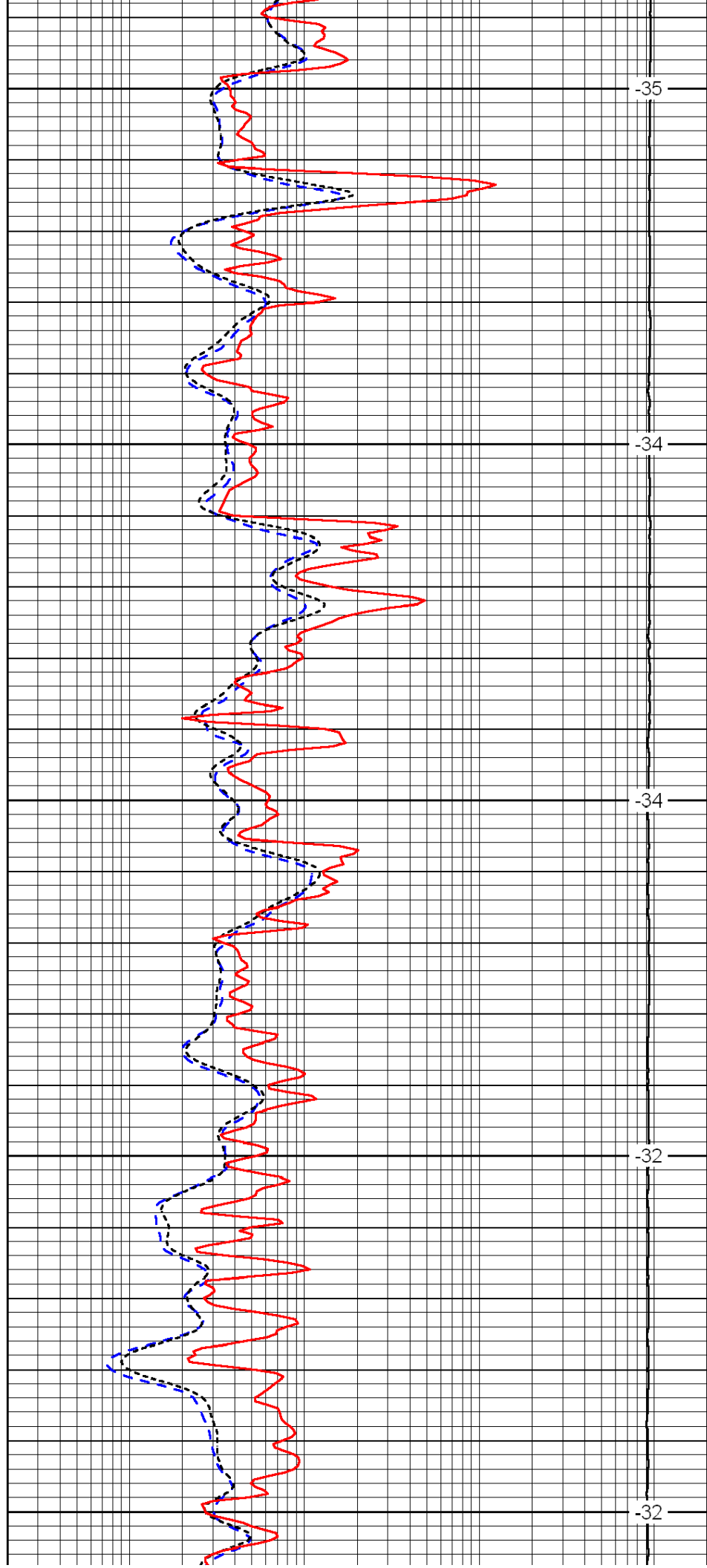
2600

2650

2700

2750

2800



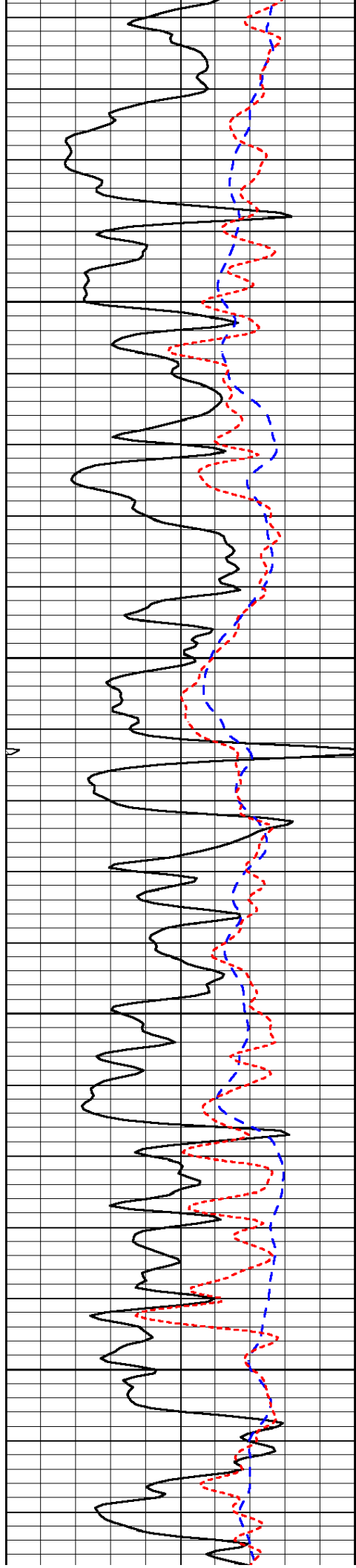
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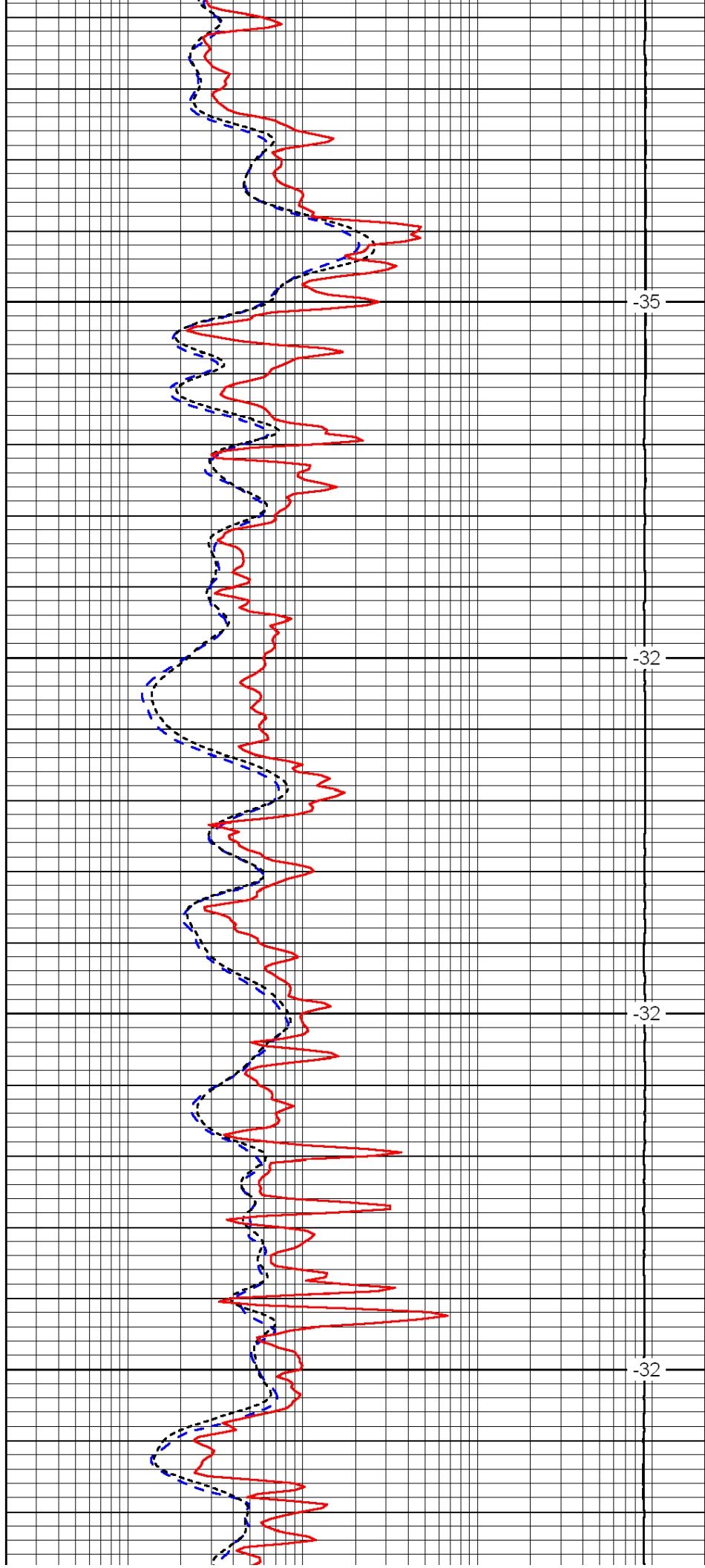


2850

2900

2950

3000

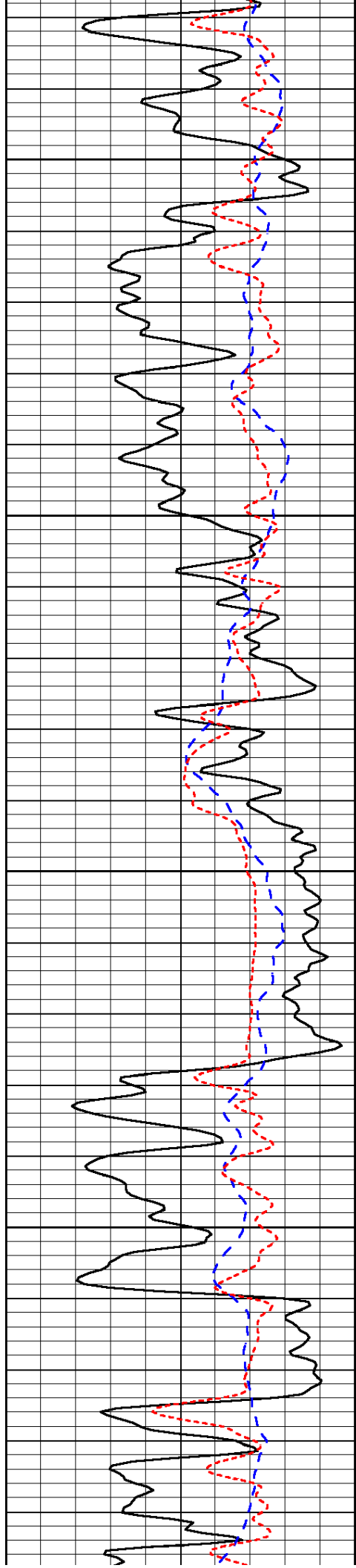


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-32

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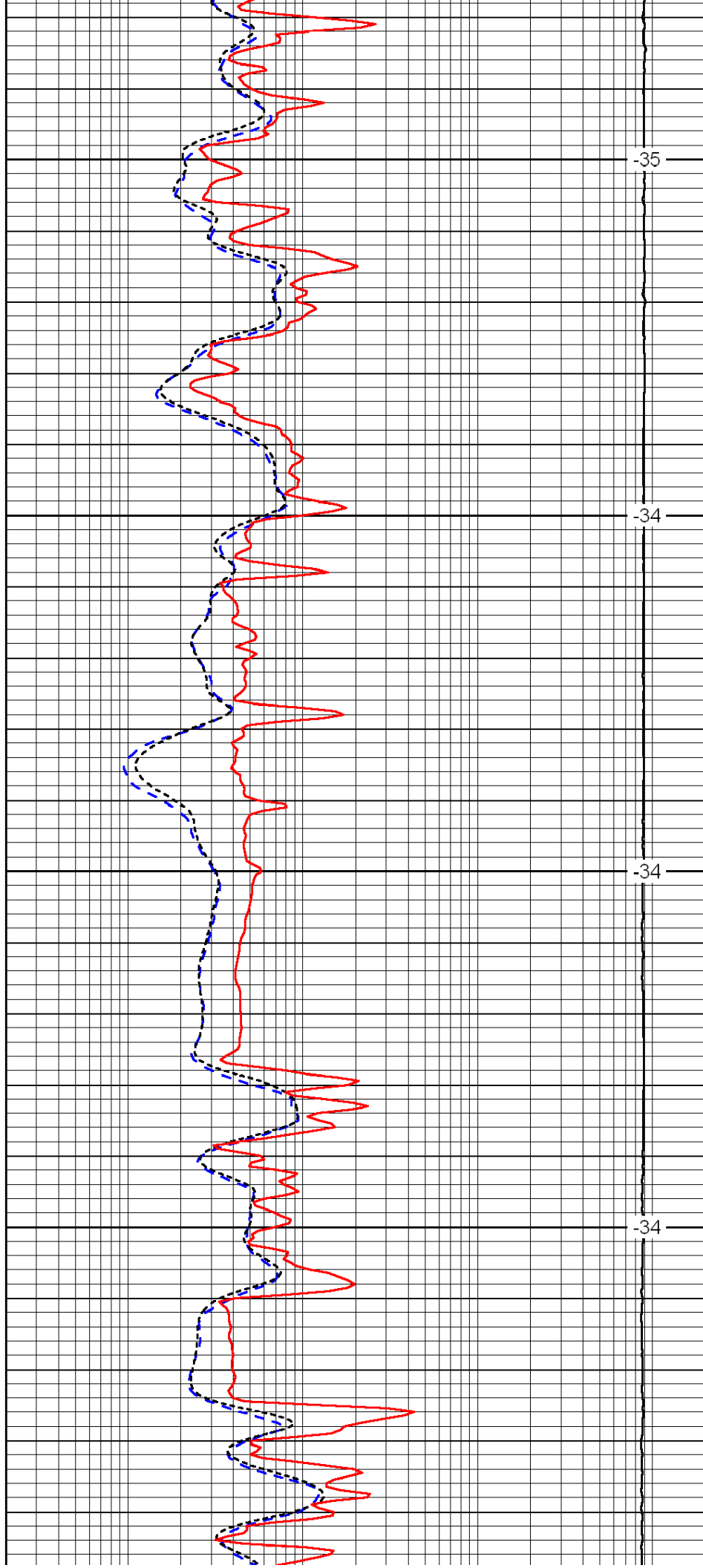


3050

3100

3150

3200

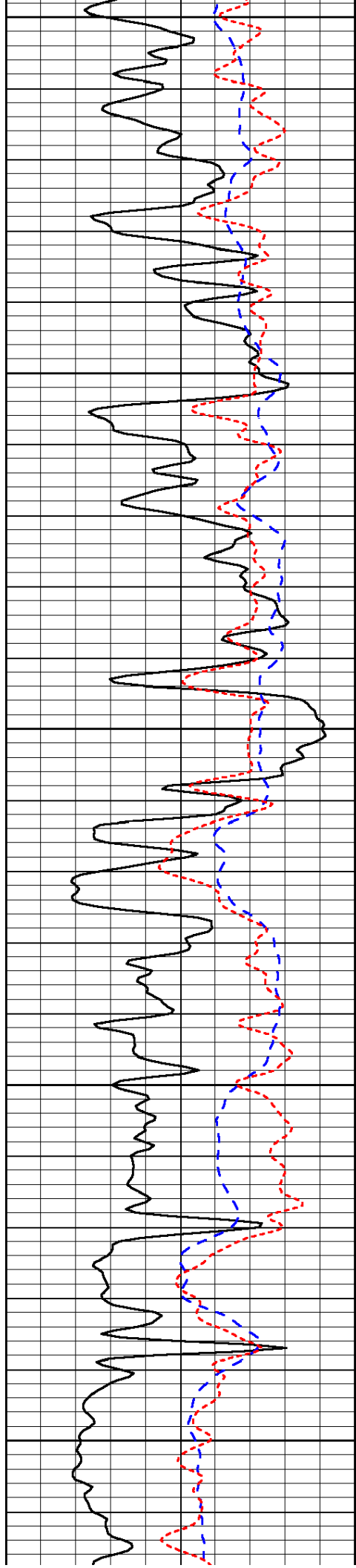


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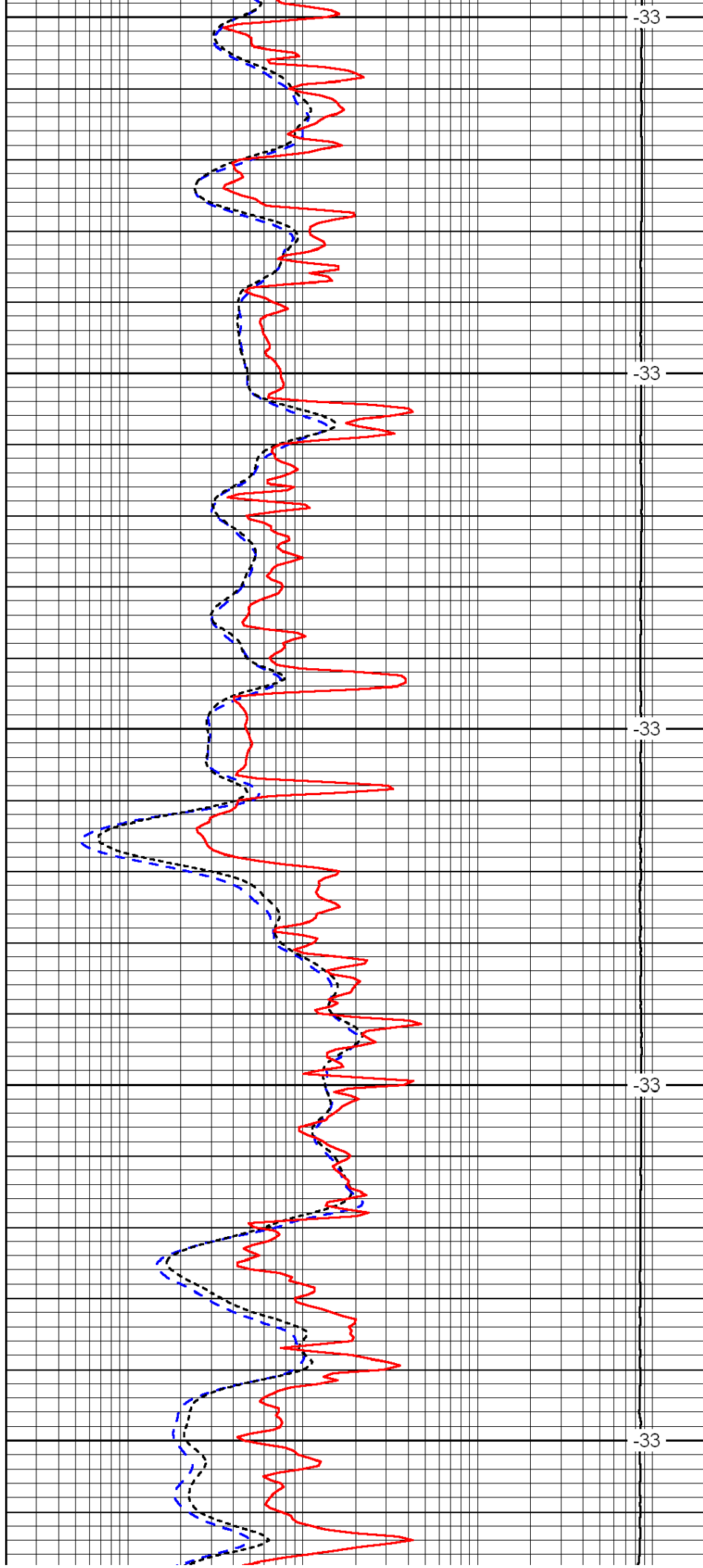
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3300

3350

3400

3450



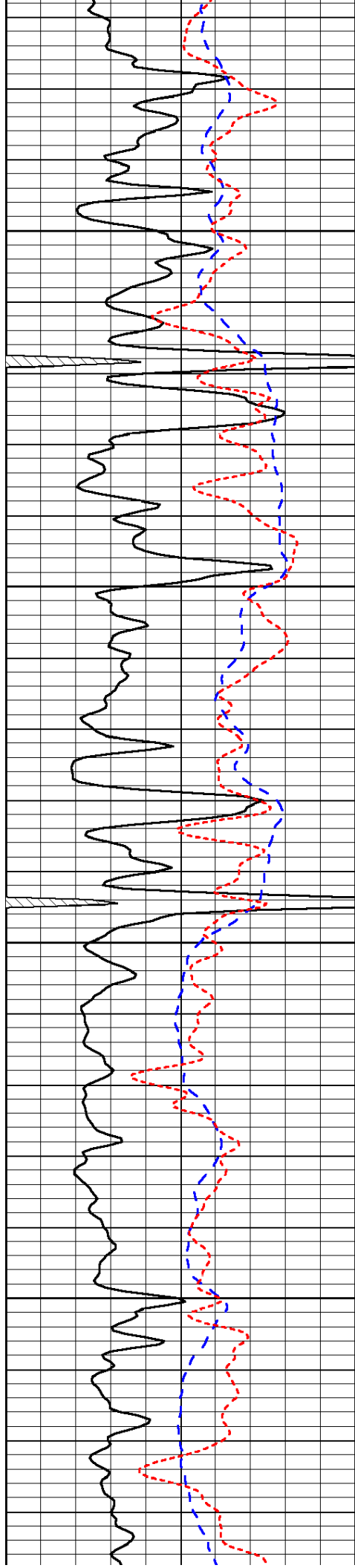
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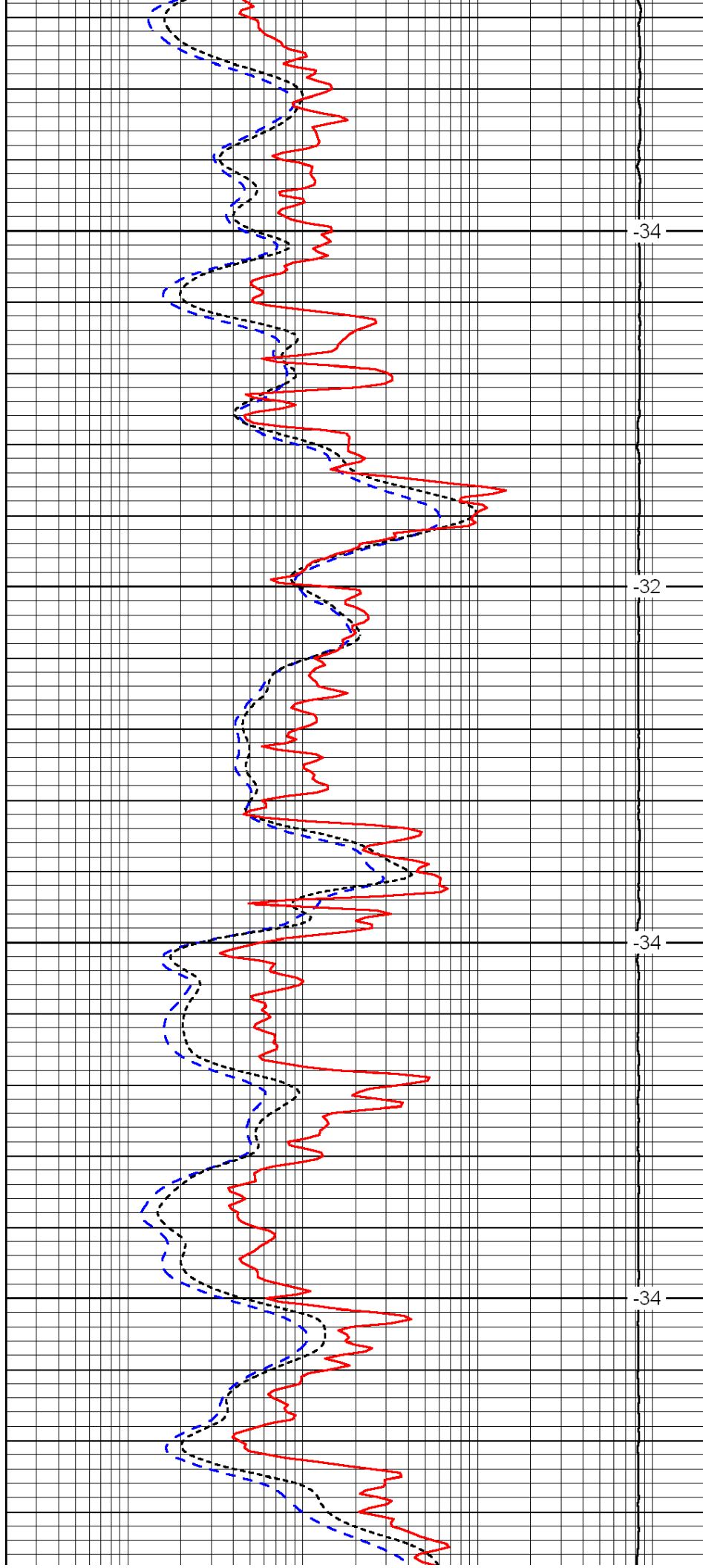


3500

3550

3600

3650

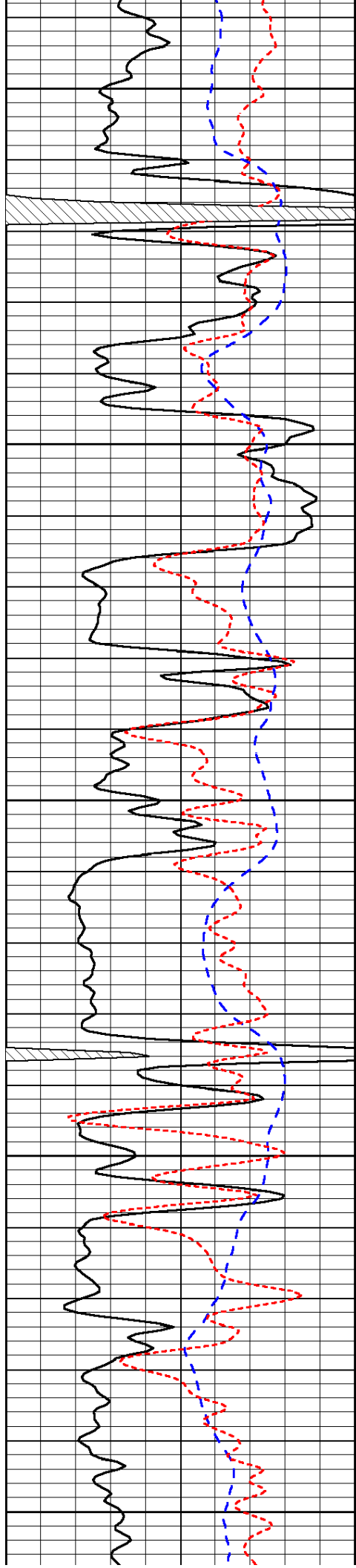


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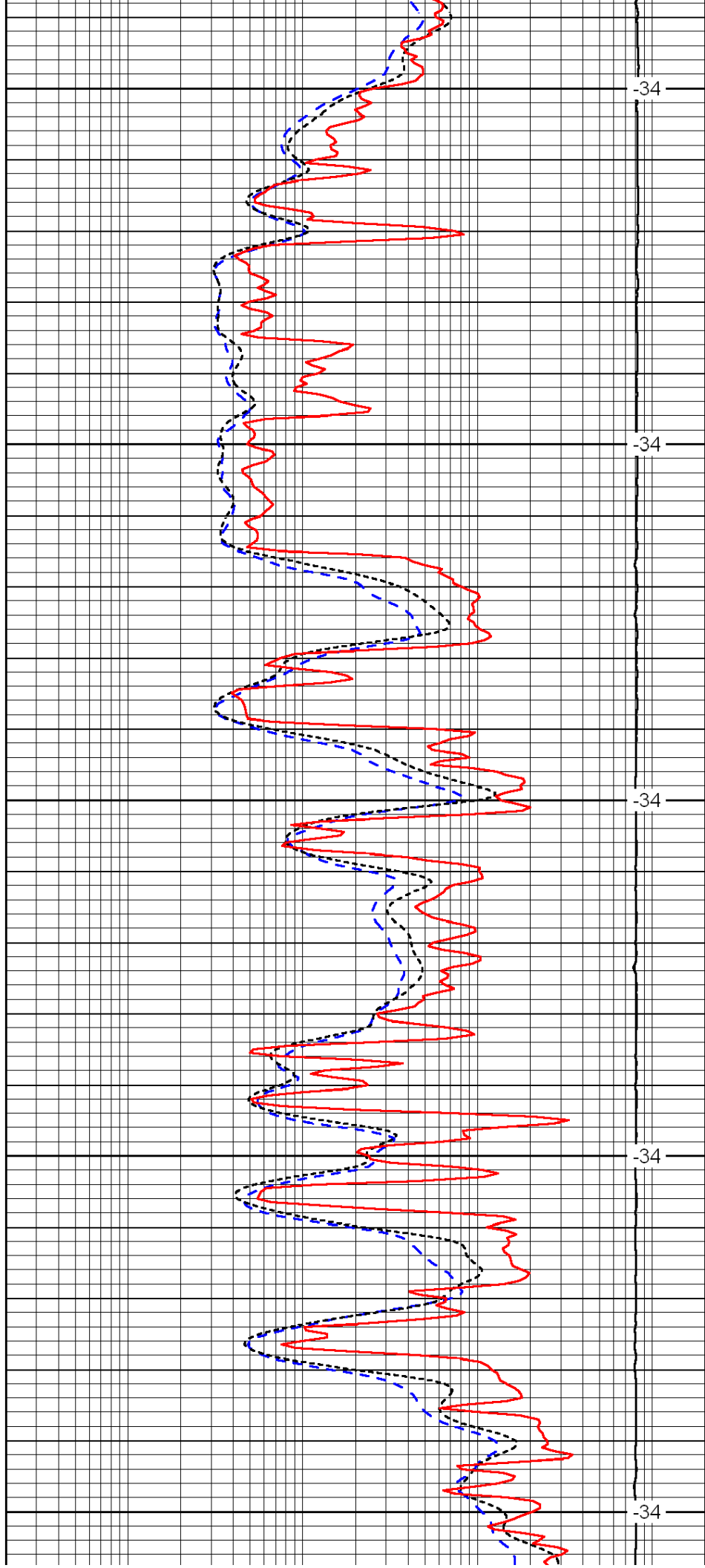
3700

3750

3800

3850

3900



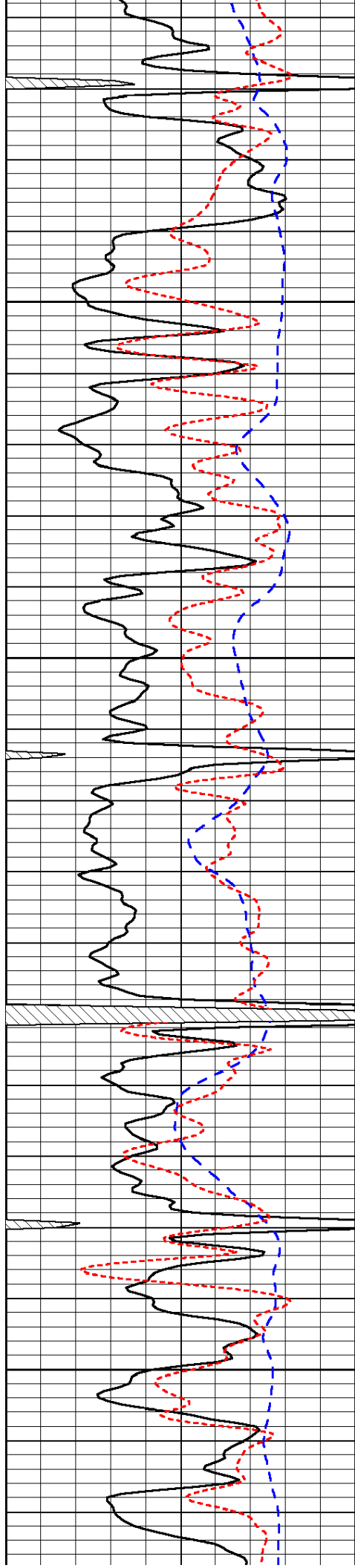
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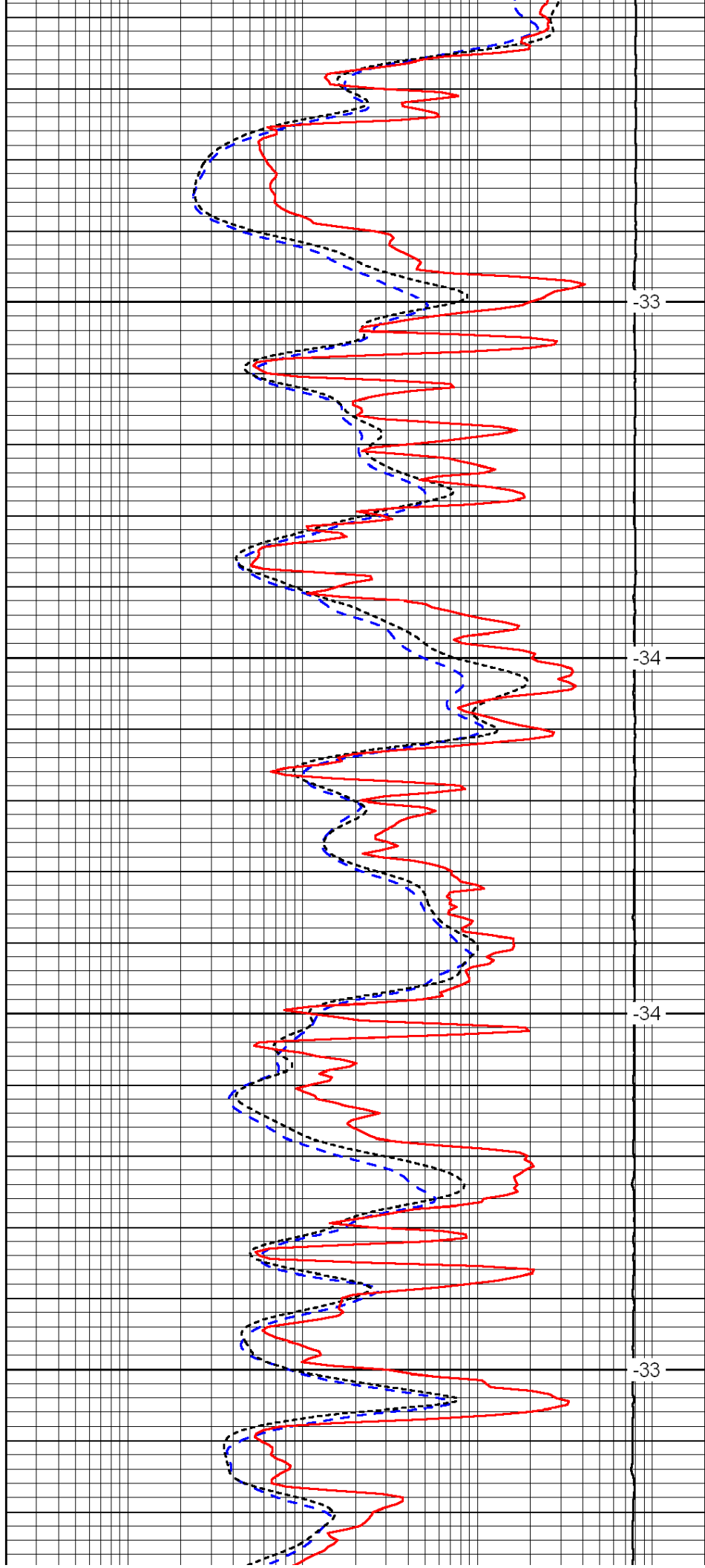


3950

4000

4050

4100

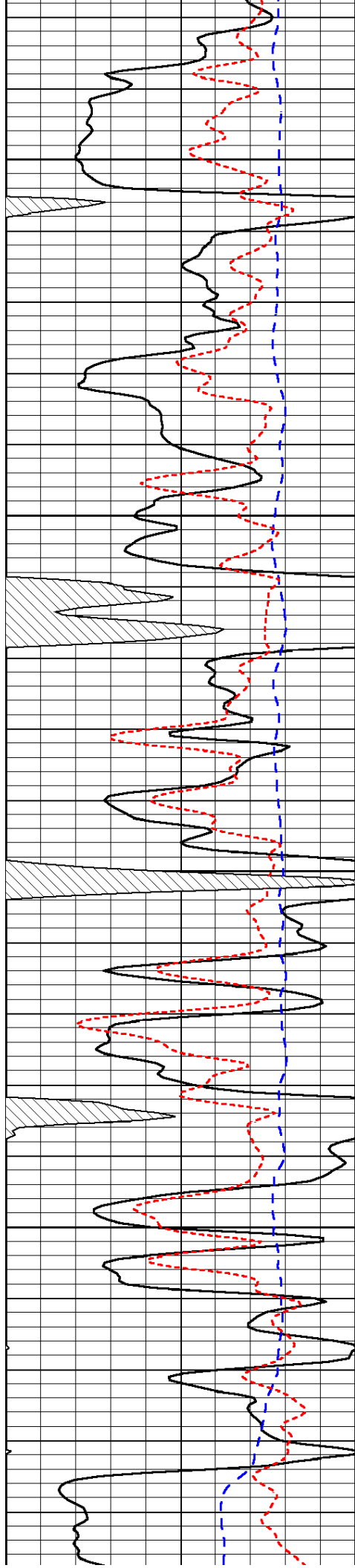


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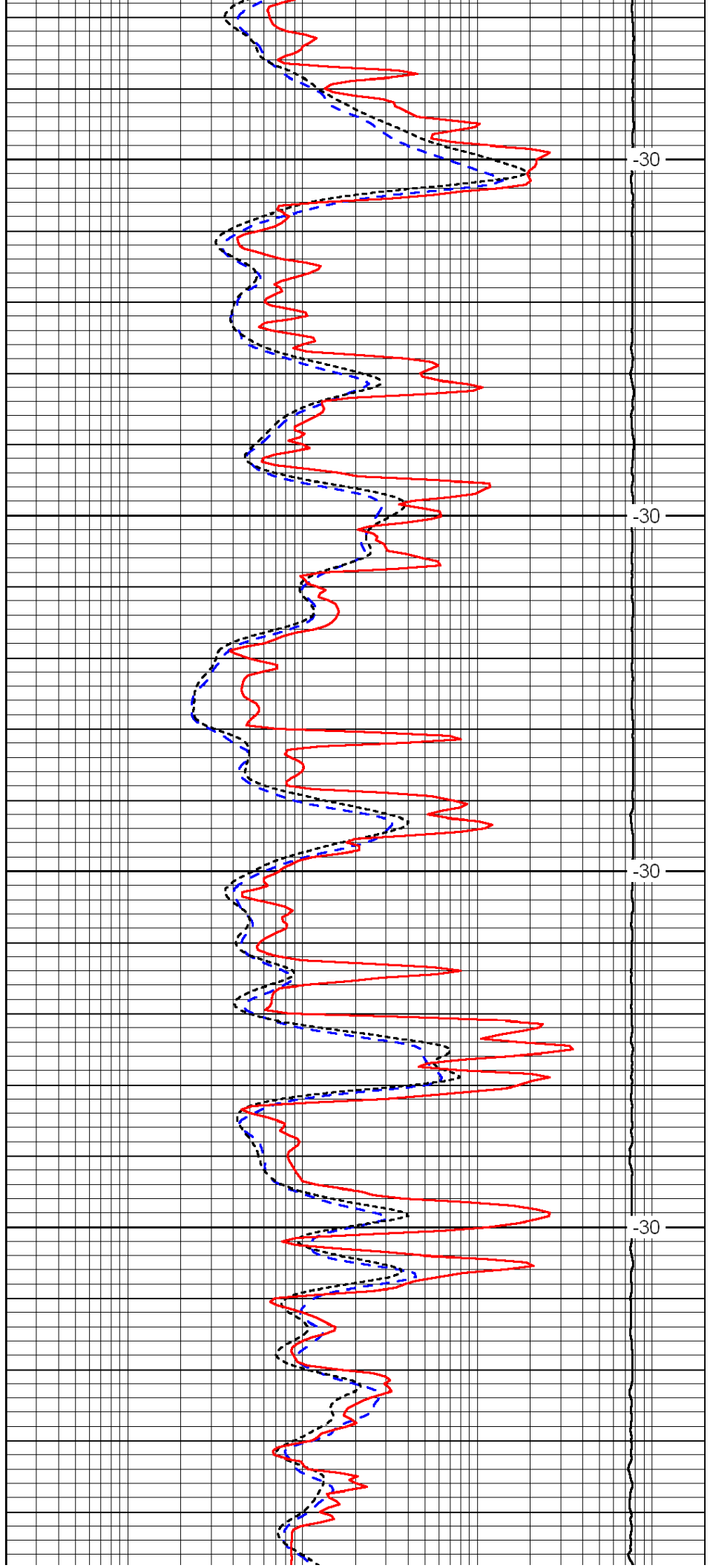


4150

4200

4250

4300

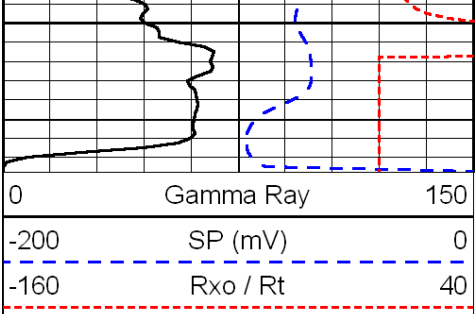


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4350

