



Dual Induction Log

Pioneer Energy Services

API No.	Company Landmark Resources, Inc.		
	Well Garman # 1-11 R		
	Field Beauchamp Northeast		
	County Stanton	State	Kansas
	Location NW-NE-NE-SE 2373' FSL & 456' FEL	Other Services CNL/CDL DIL	
	Sec: 11 Twp: 30S	Rge: 41W	Elevation K.B. 3373 D.F. G.L. 3362
Permanent Datum	Ground Level	Elevation 3362	
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	6/26/2014		
Run Number	One		
Depth Driller	5570		
Depth Logger	5536		
Bottom Logged Interval	5535		
Top Log Interval	1750		
Casing Driller	8.625 @ 1780		
Casing Logger	1781		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	800		
Density / Viscosity	9.3 51		
pH / Fluid Loss	10.0 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.53 @ 82		
Rmf @ Meas. Temp	.40 @ 82		
Rmc @ Meas. Temp	.72 @ 82		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.33 @ 132		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	132		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Larry Nicholson		

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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

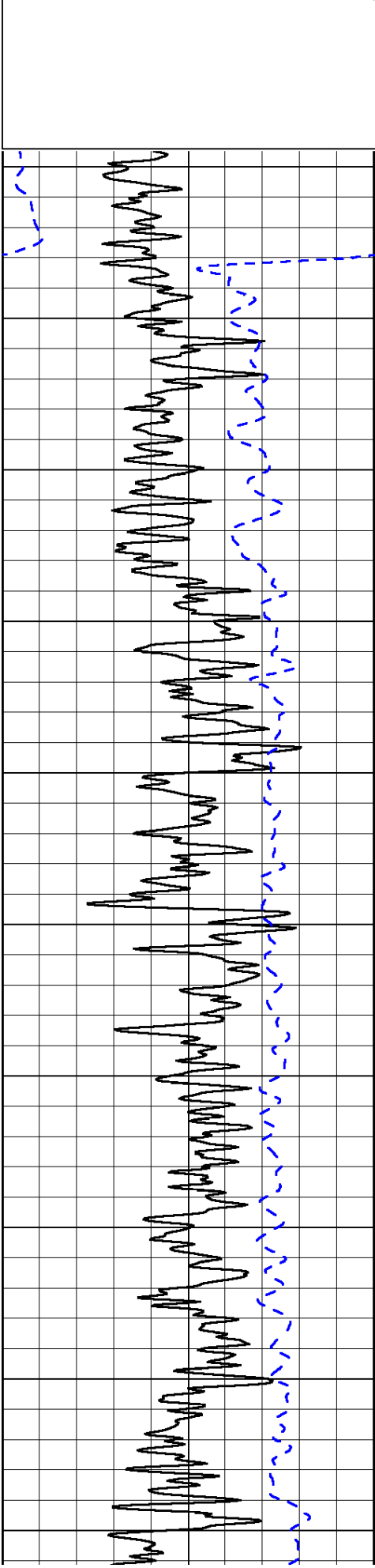
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Johnson City Kansas
8 South, West Into

Database File: c:\warrior\data\landmark_garman # 1-11 r\landhd.db
Dataset Pathname: DIL\landstk
Presentation Format: dil2in
Dataset Creation: Fri Jun 27 09:20:47 2014
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

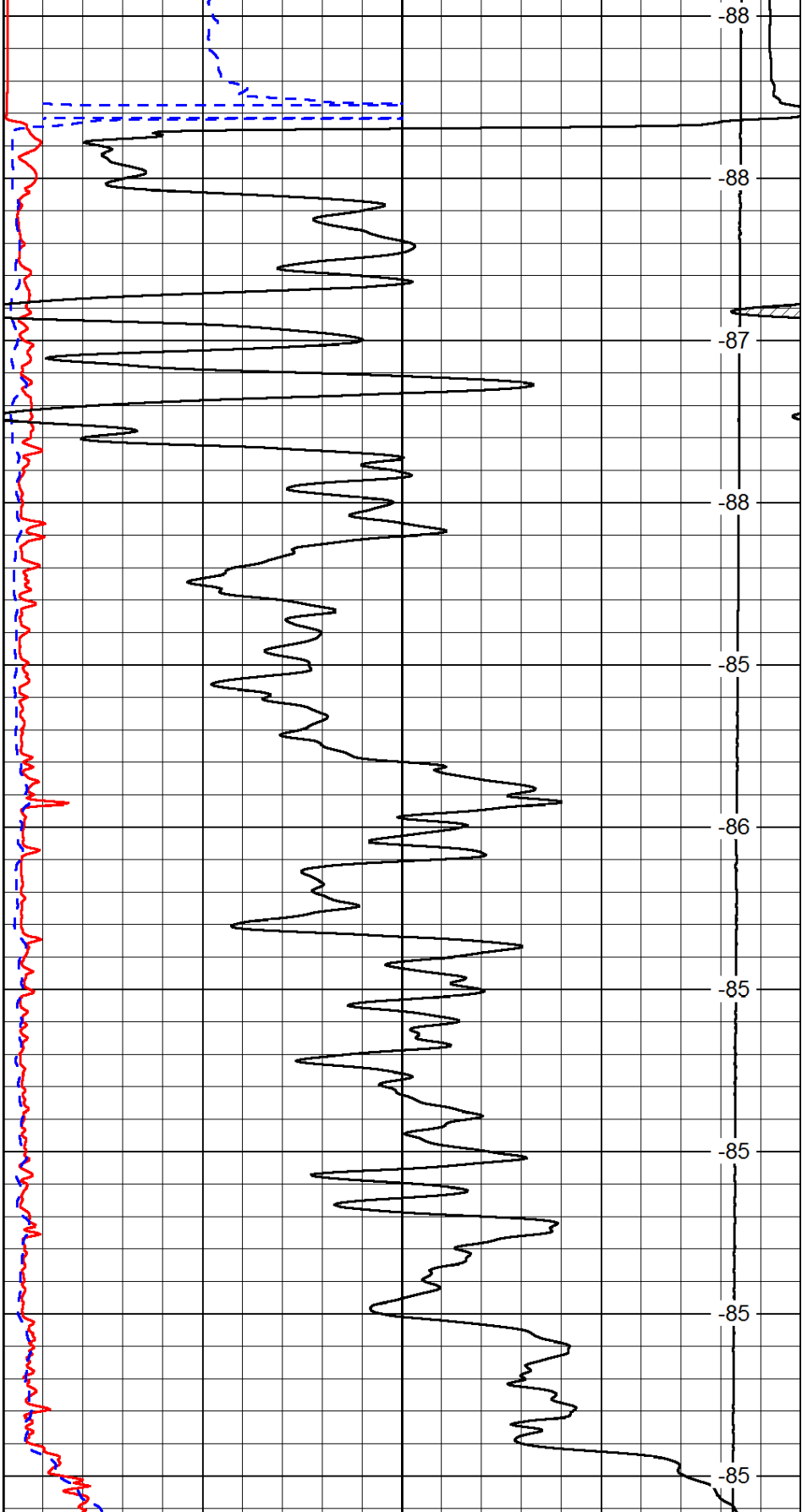
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-200	SP (mV)	0



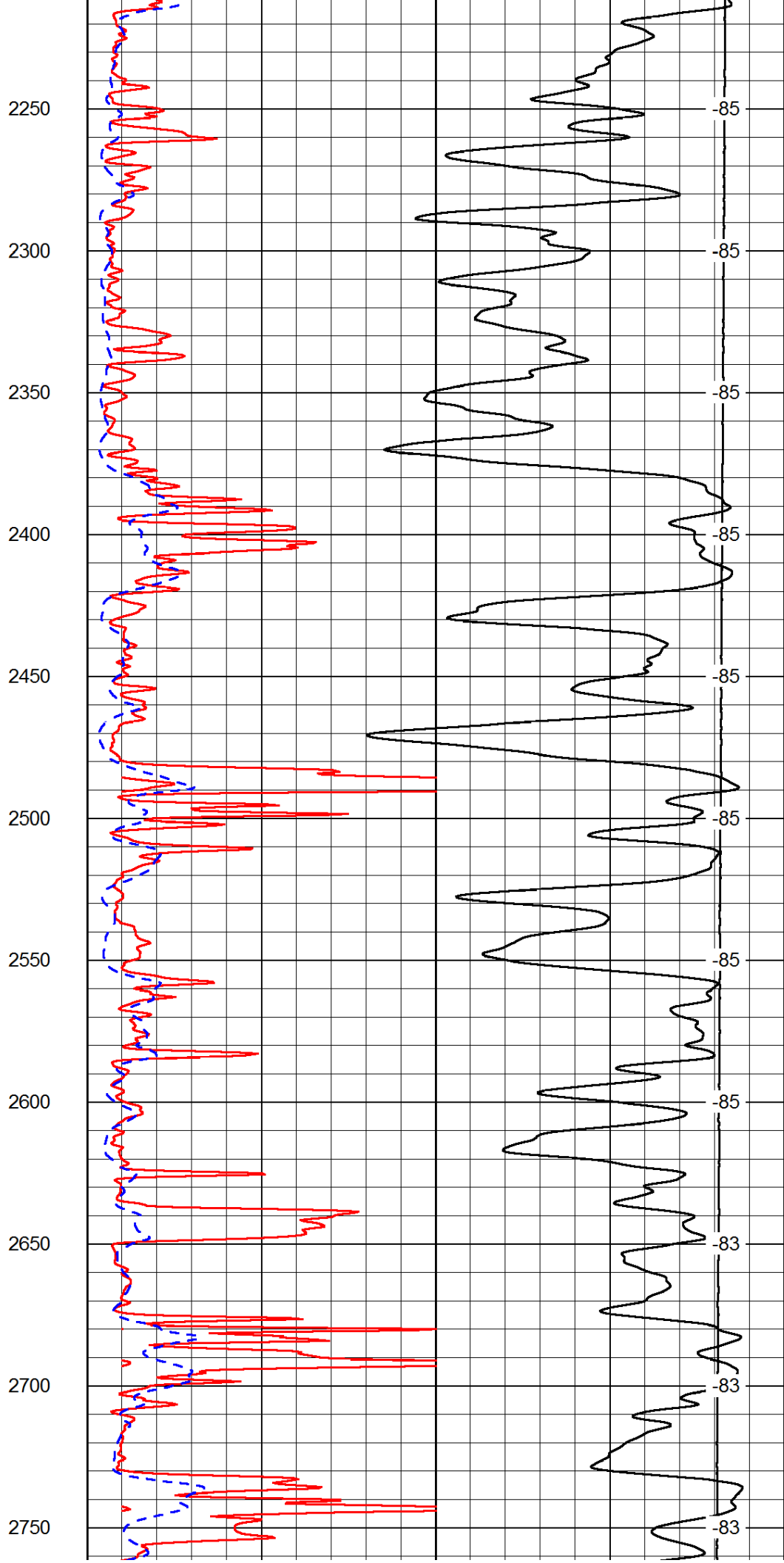
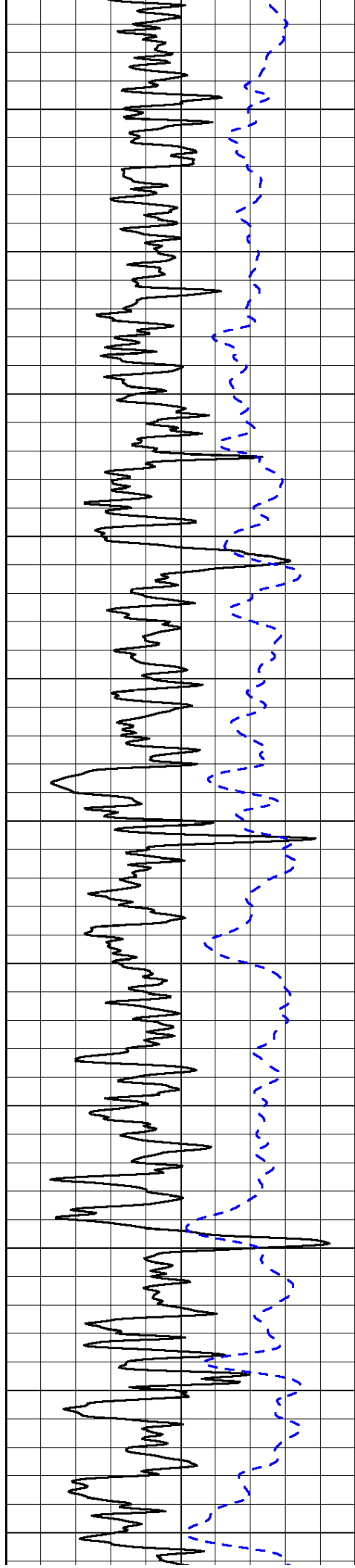
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1000	Conductivity	0
15000	Line Tension	0
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50	Deep Resistivity	500

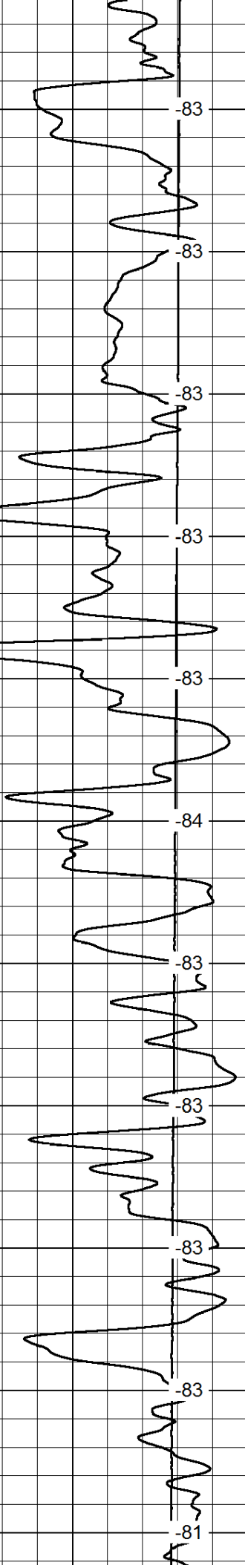
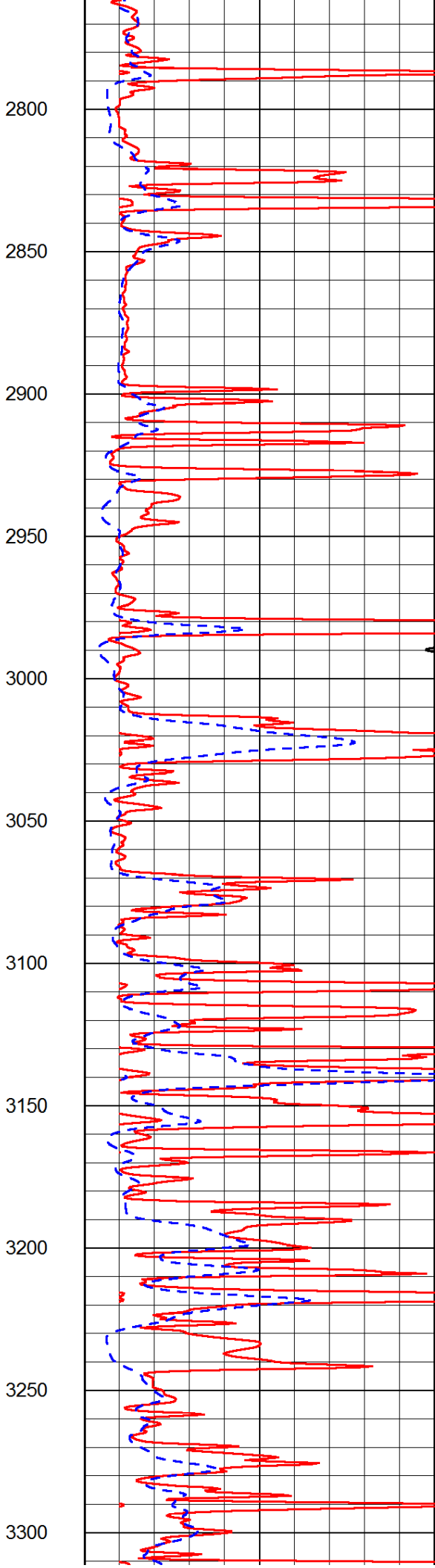
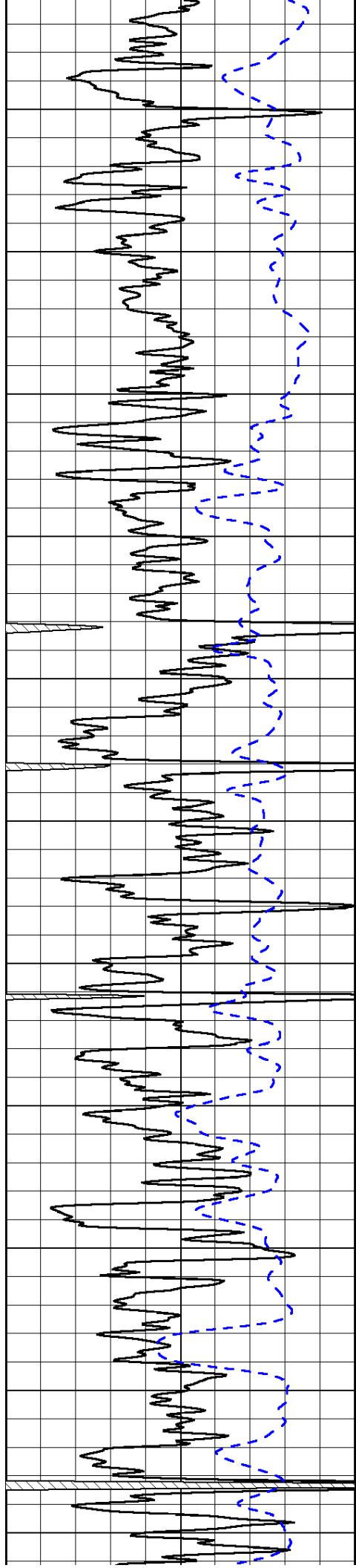
LSPD
0
0

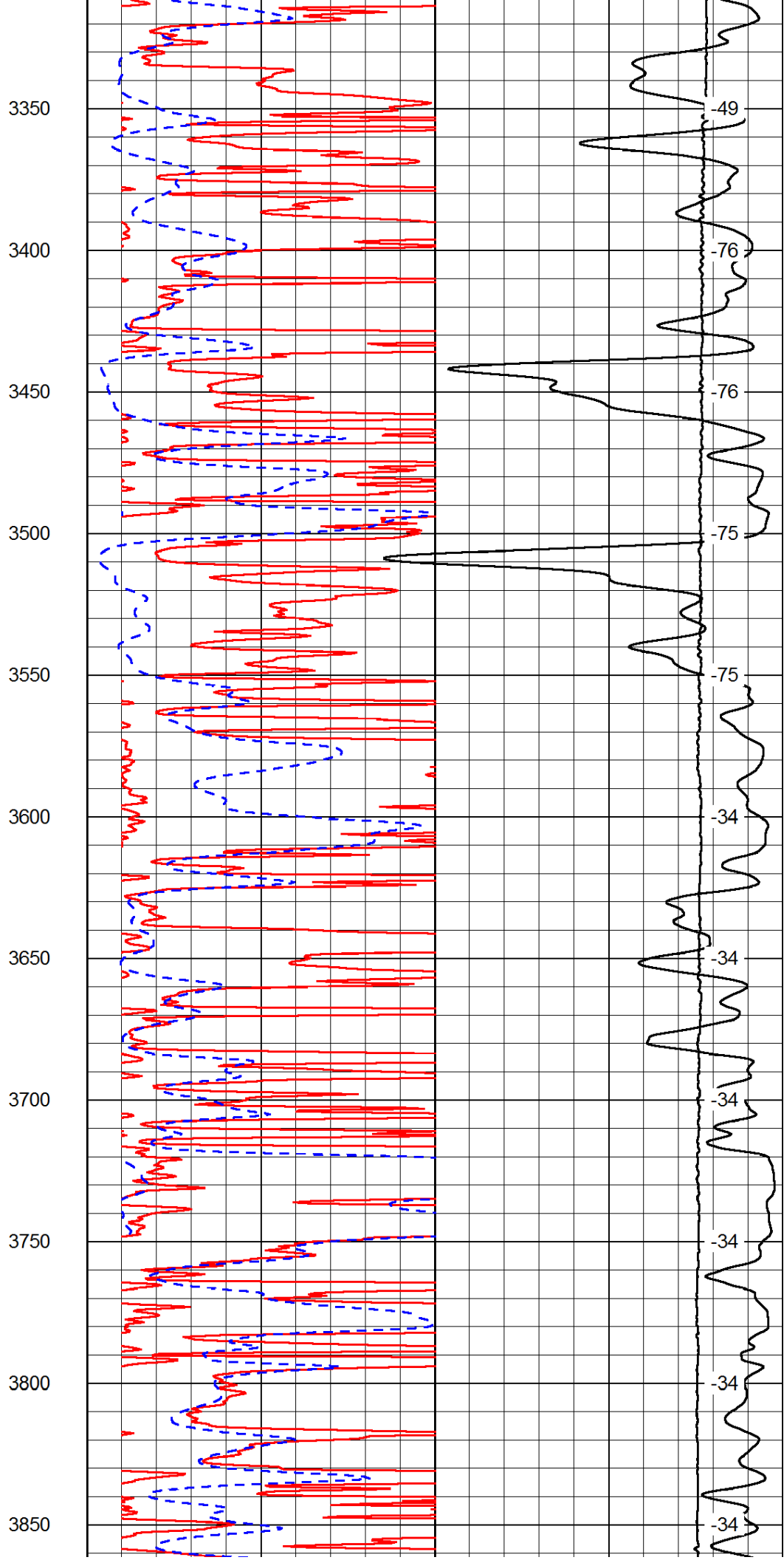
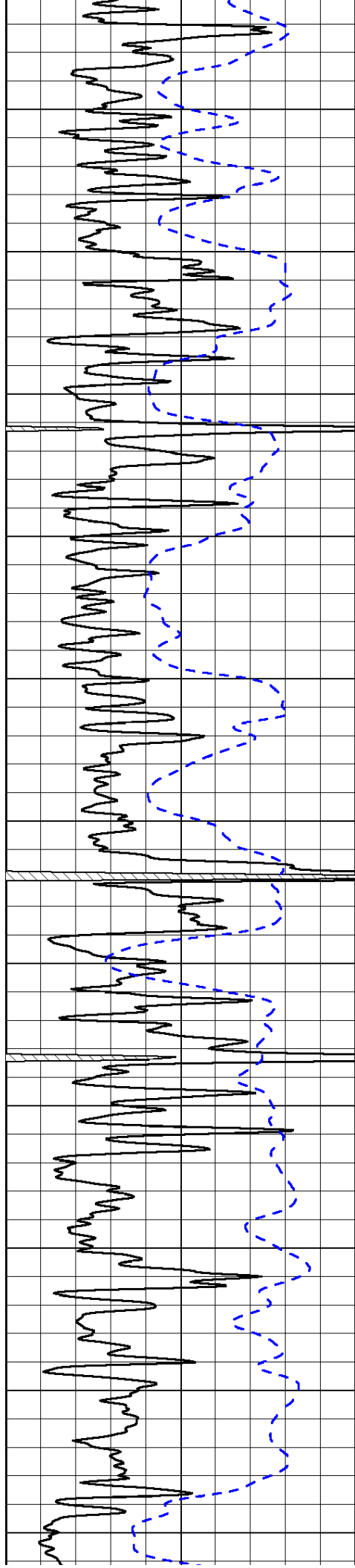
1750
1800
1850
1900
1950
2000
2050
2100
2150
2200

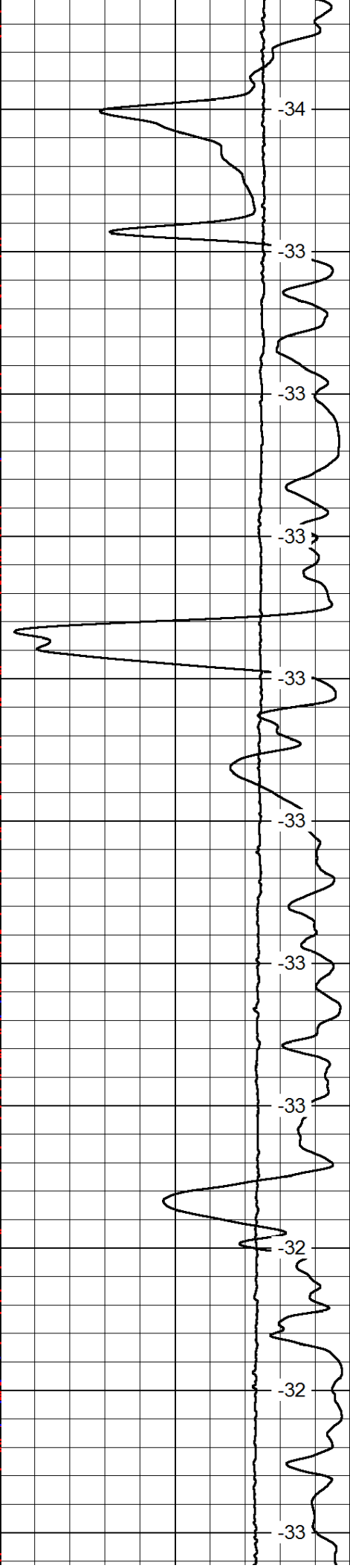
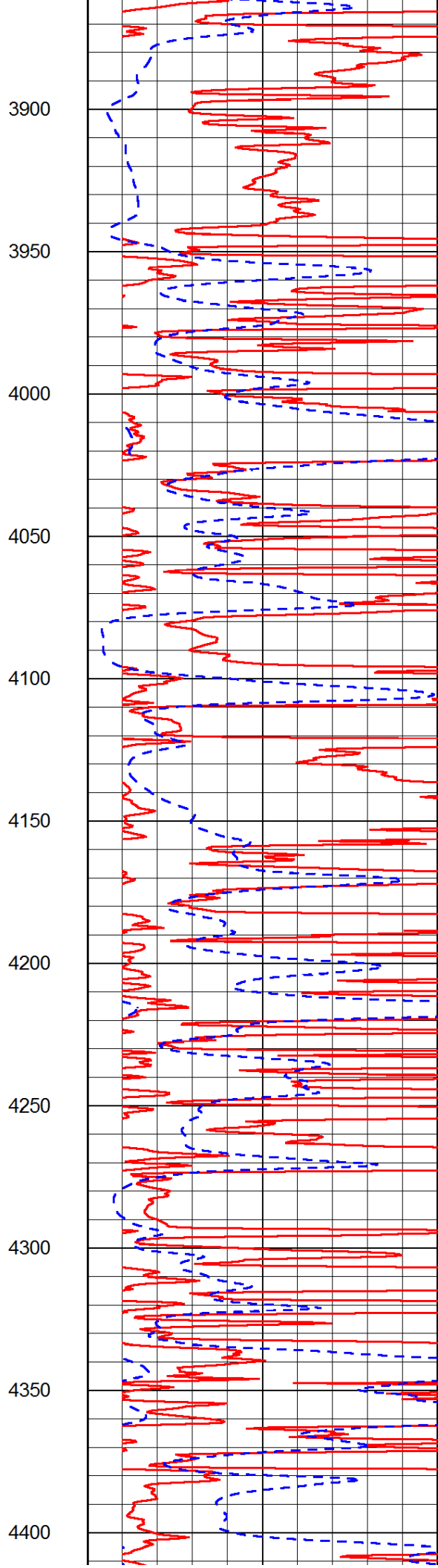
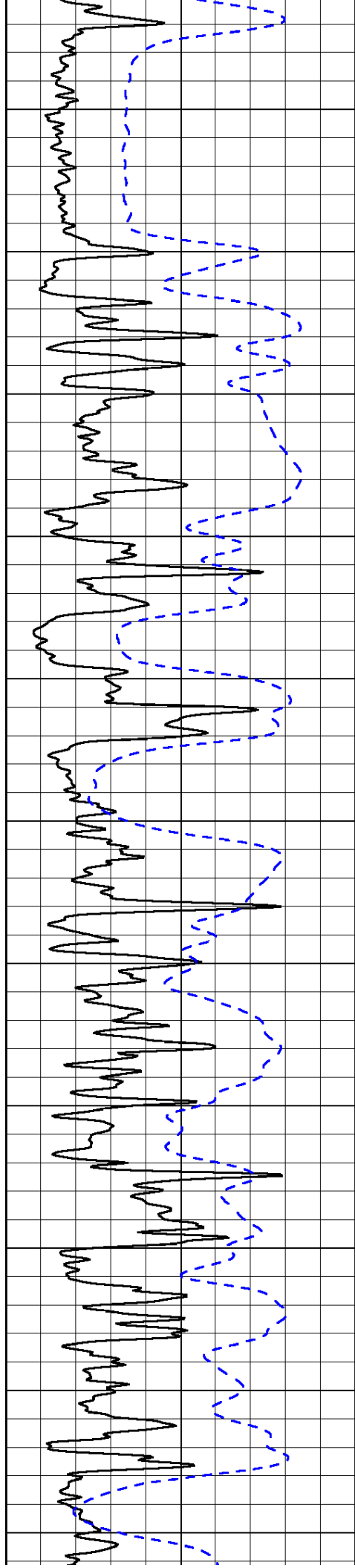


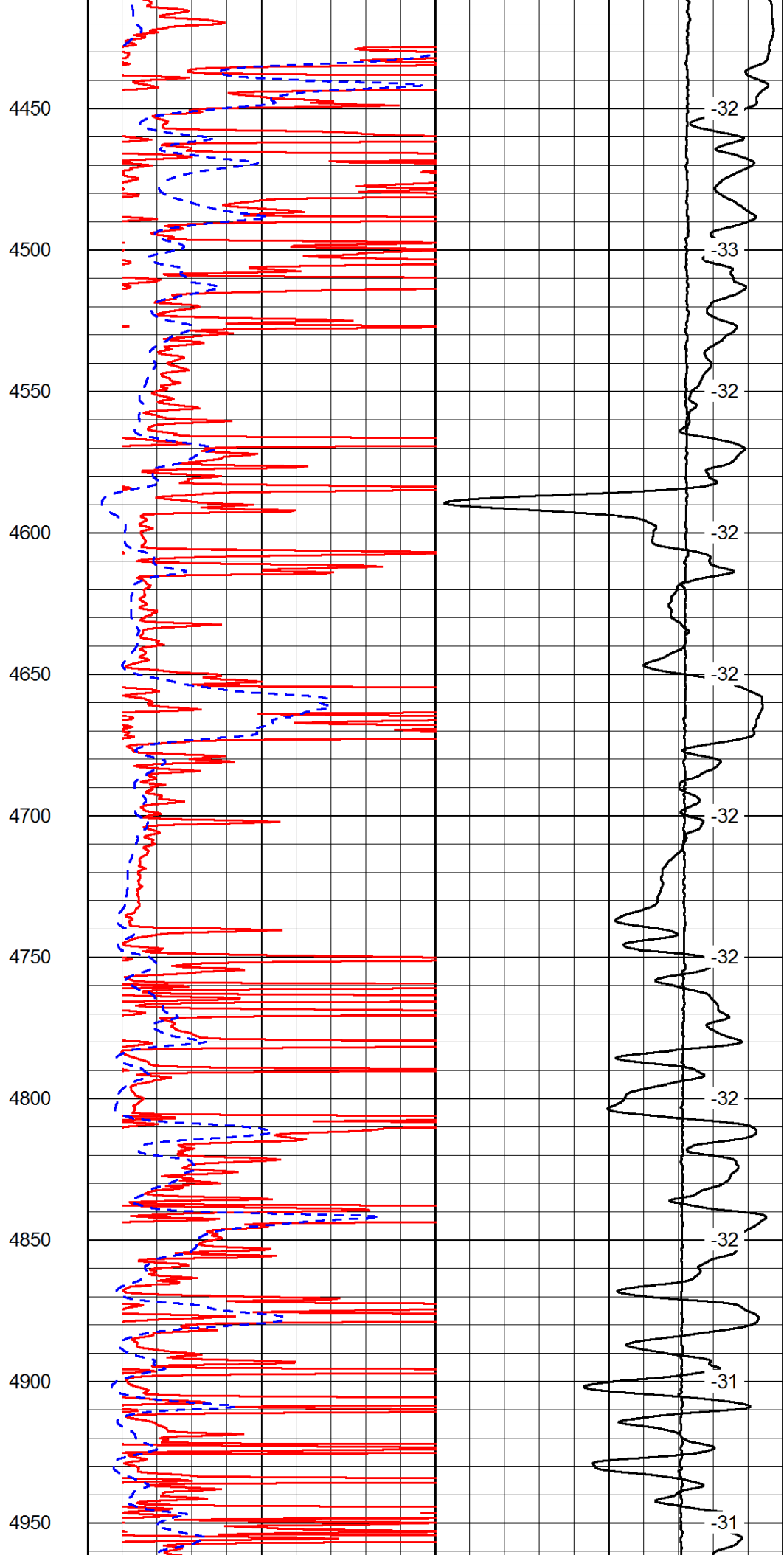
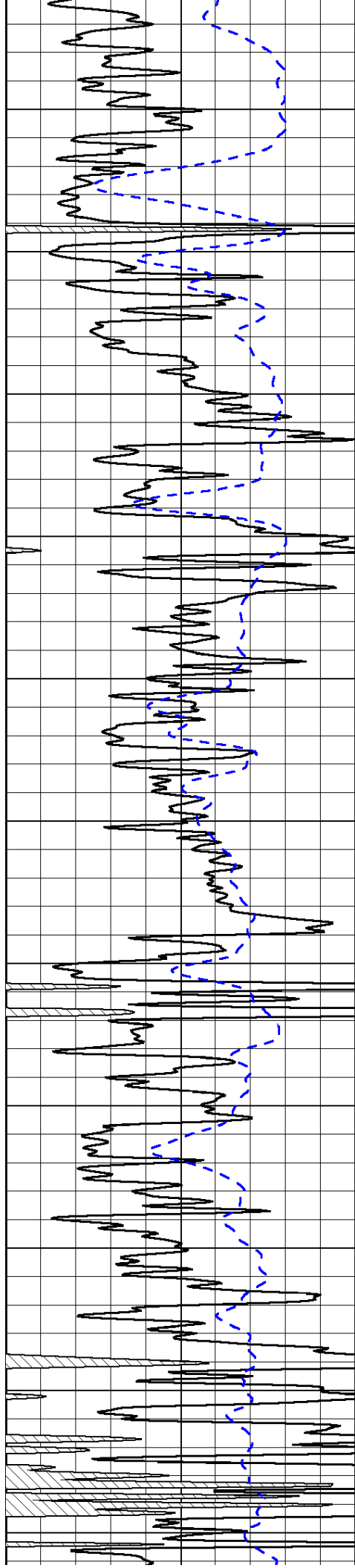
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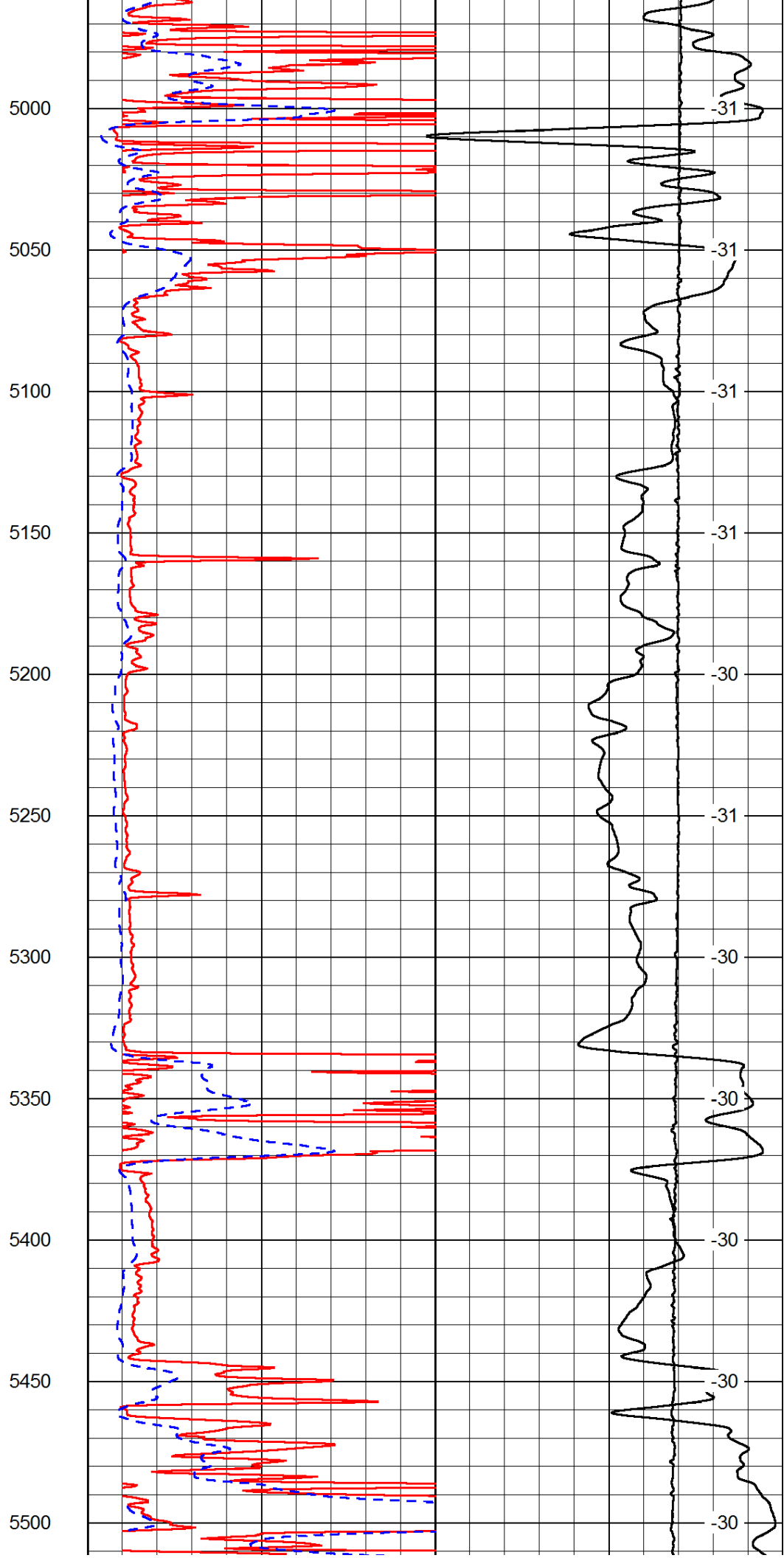
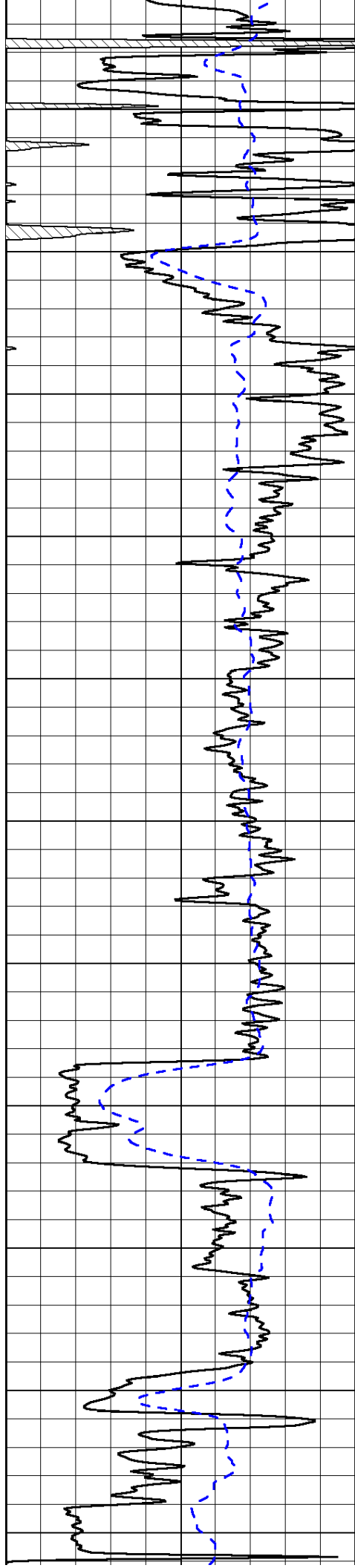


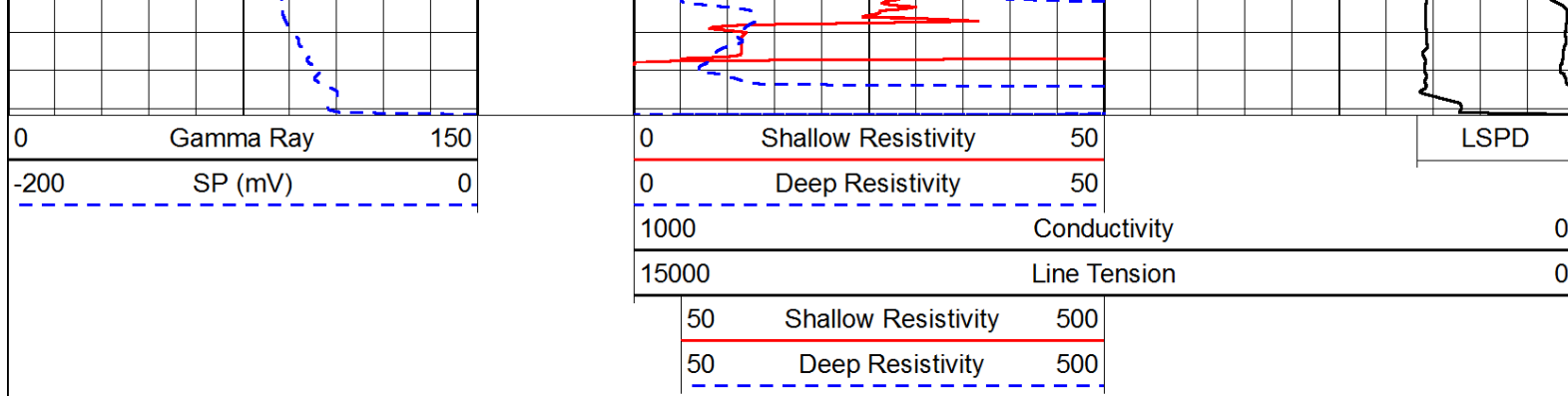




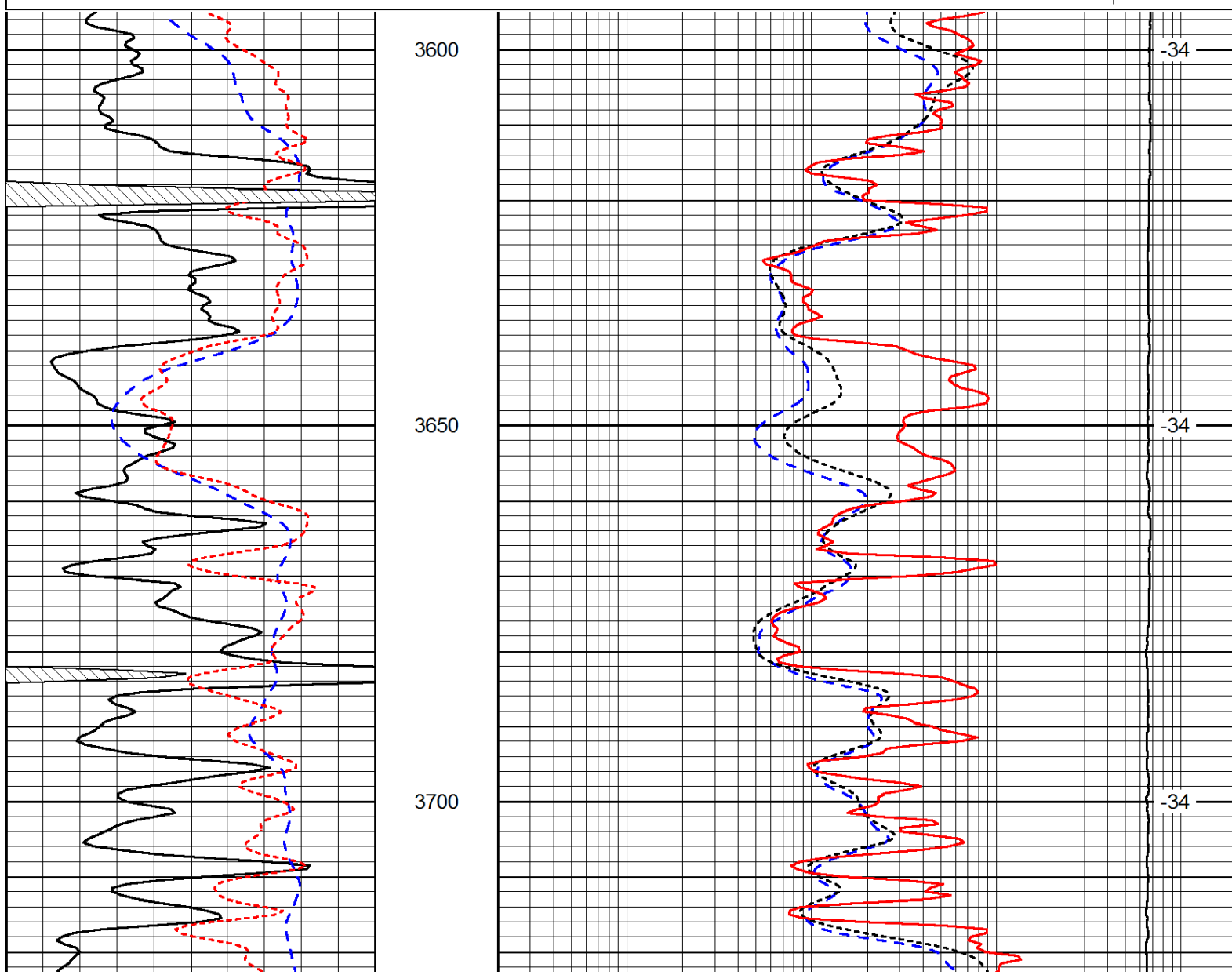
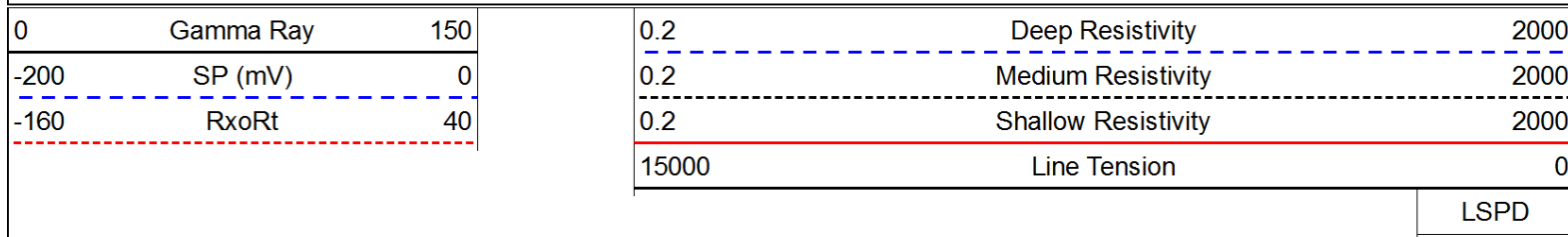


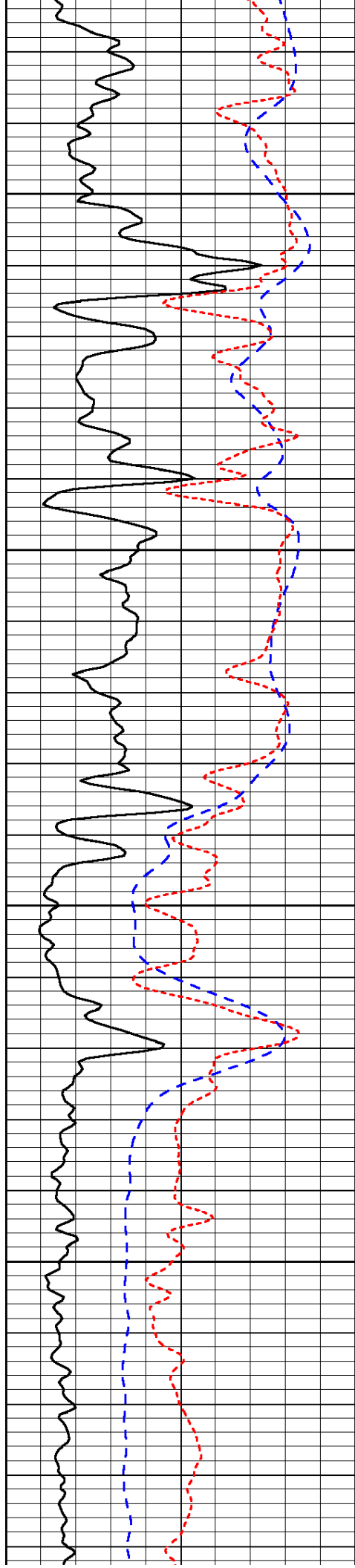






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Presentation Format: dil
Dataset Creation: Fri Jun 27 09:20:47 2014
Charted by: Depth in Feet scaled 1:240



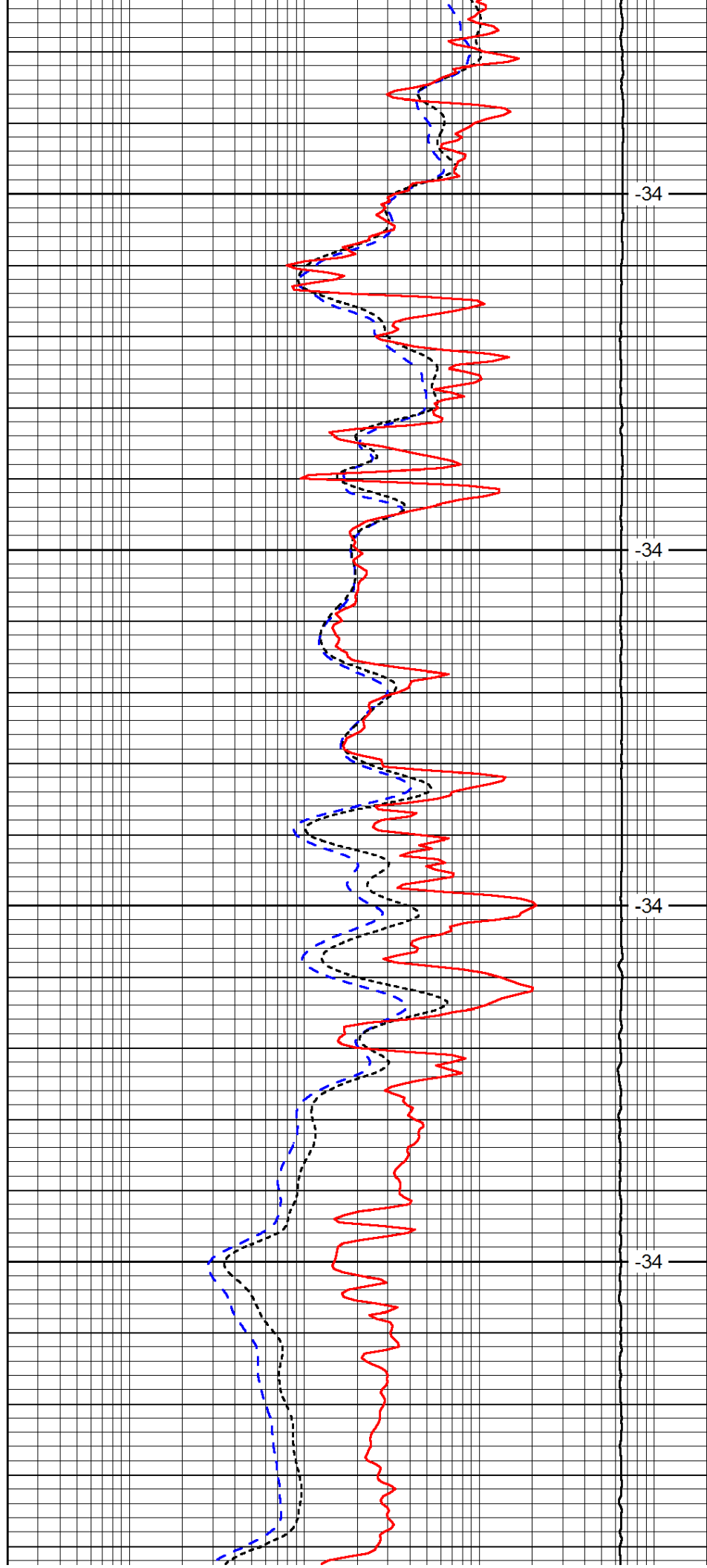


3750

3800

3850

3900

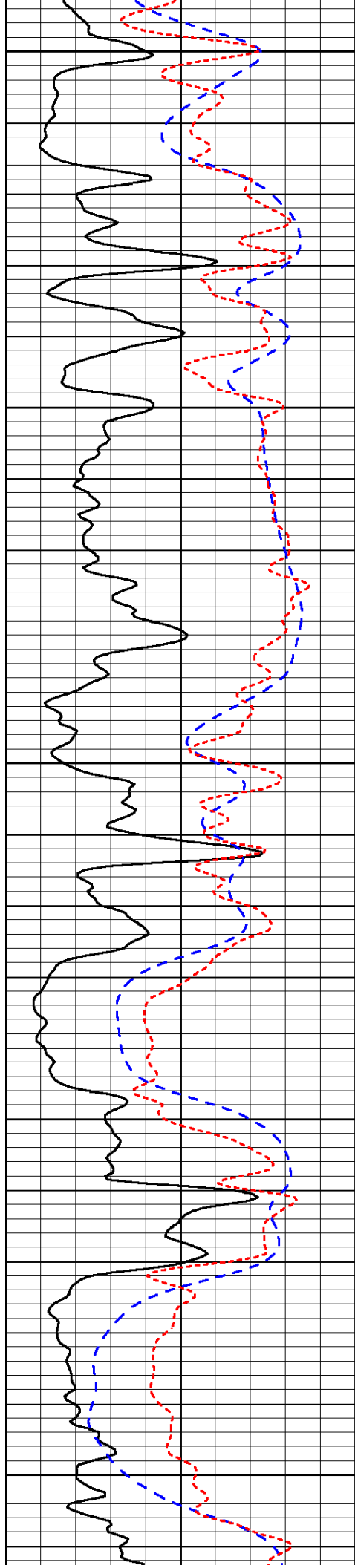


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-34

-34

-34



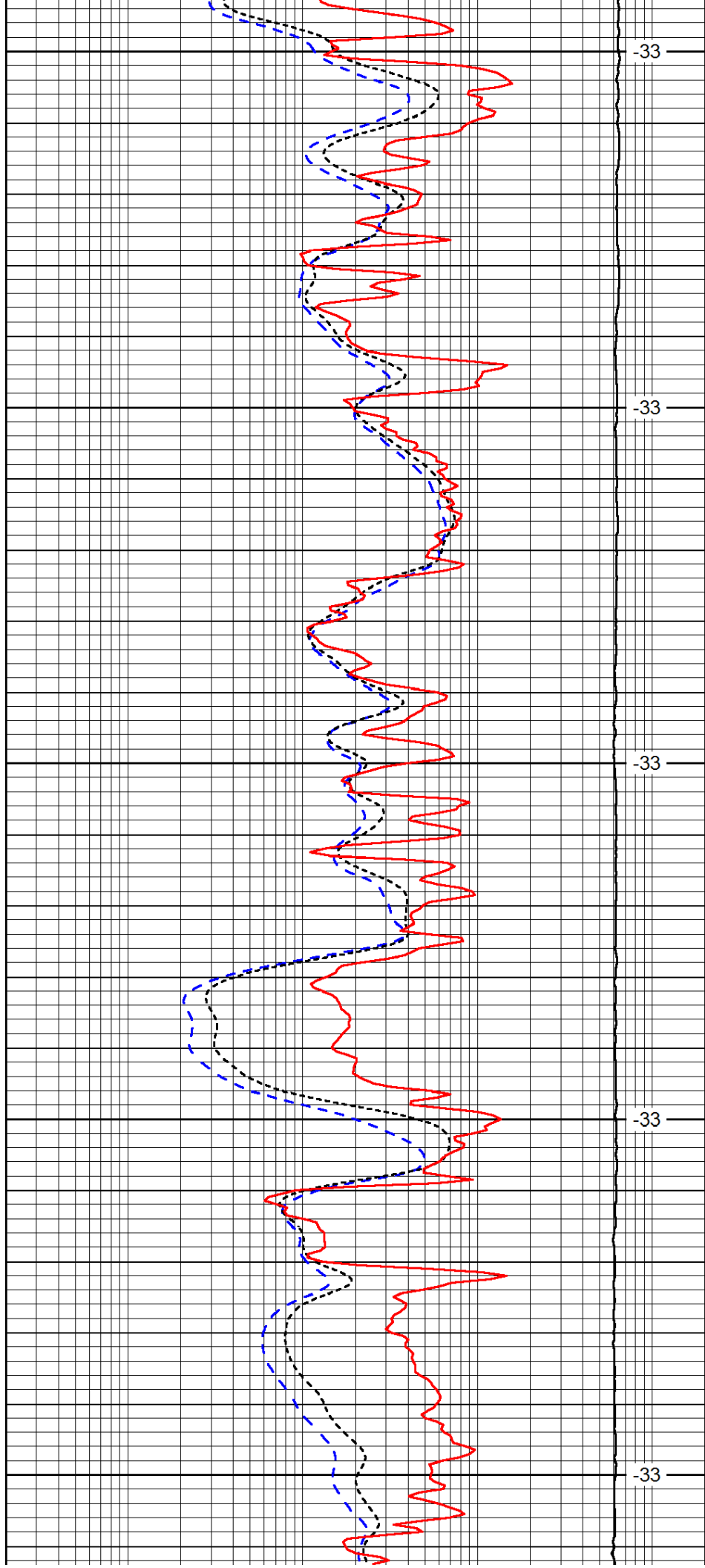
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4000

4050

4100

4150



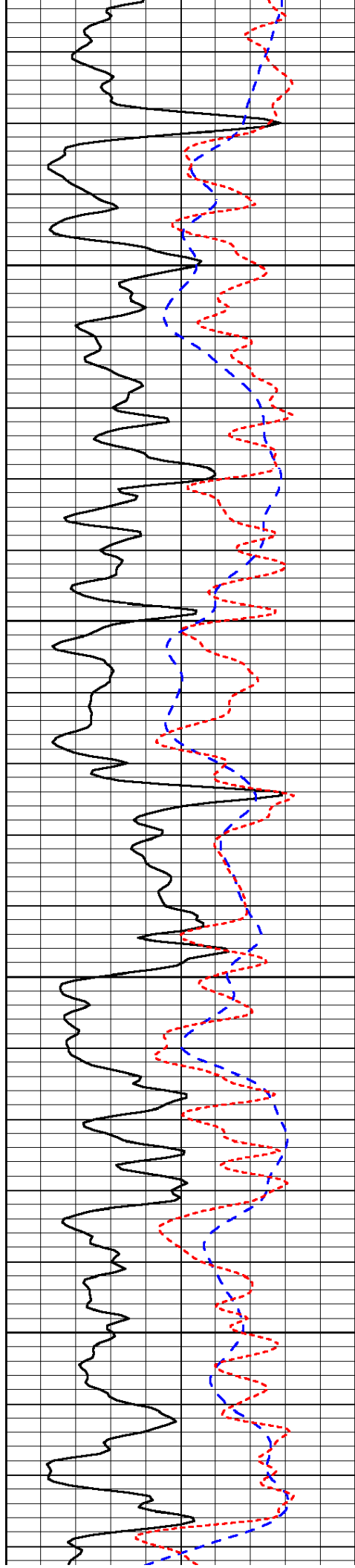
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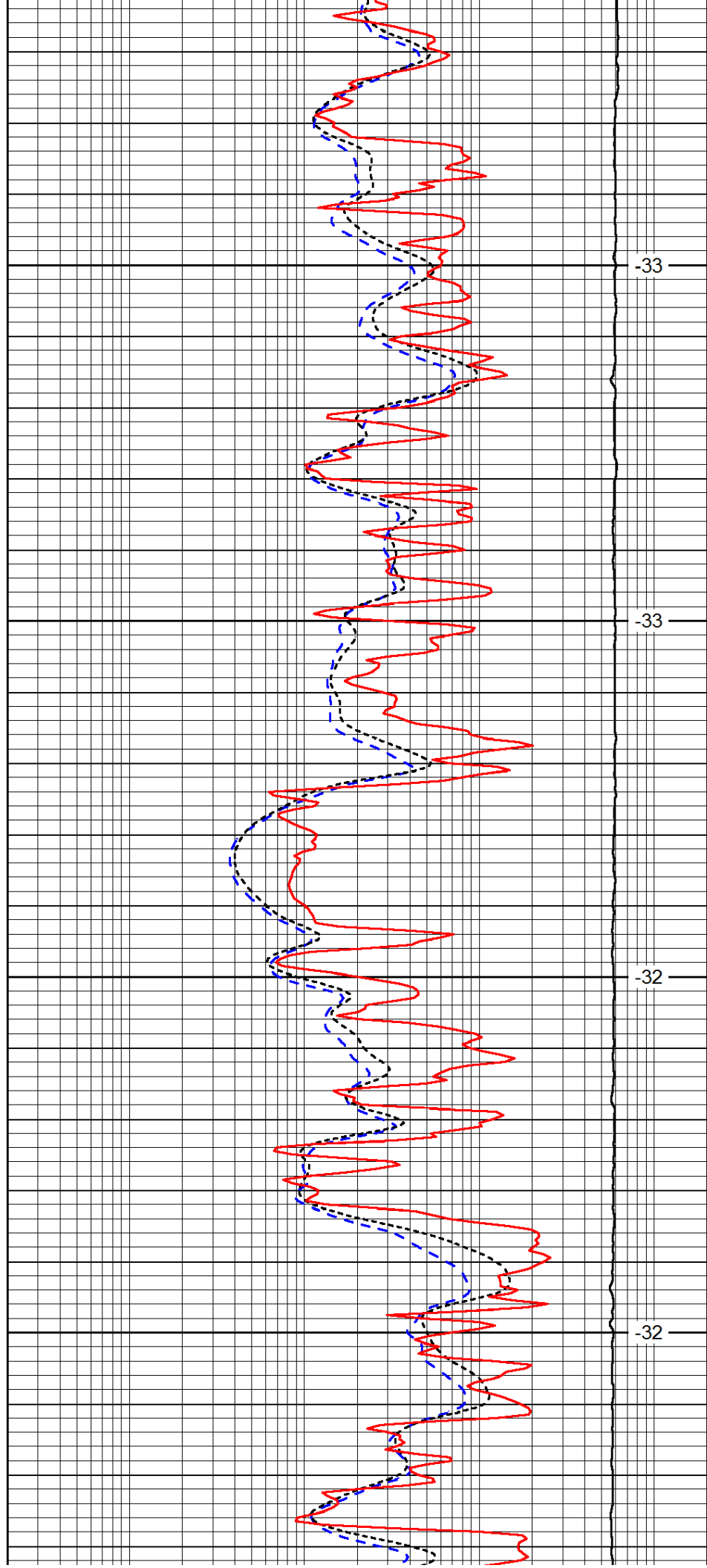


4200

4250

4300

4350

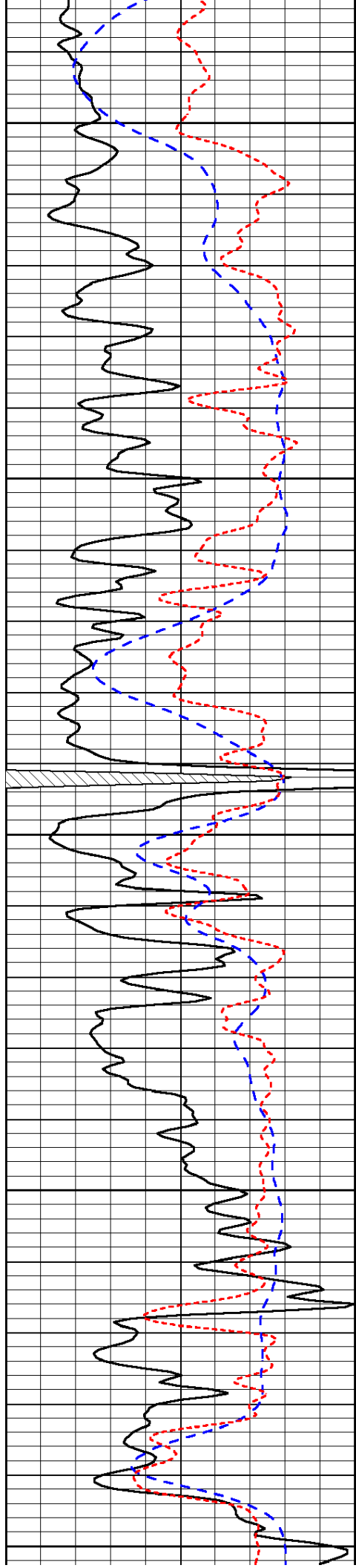


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-32



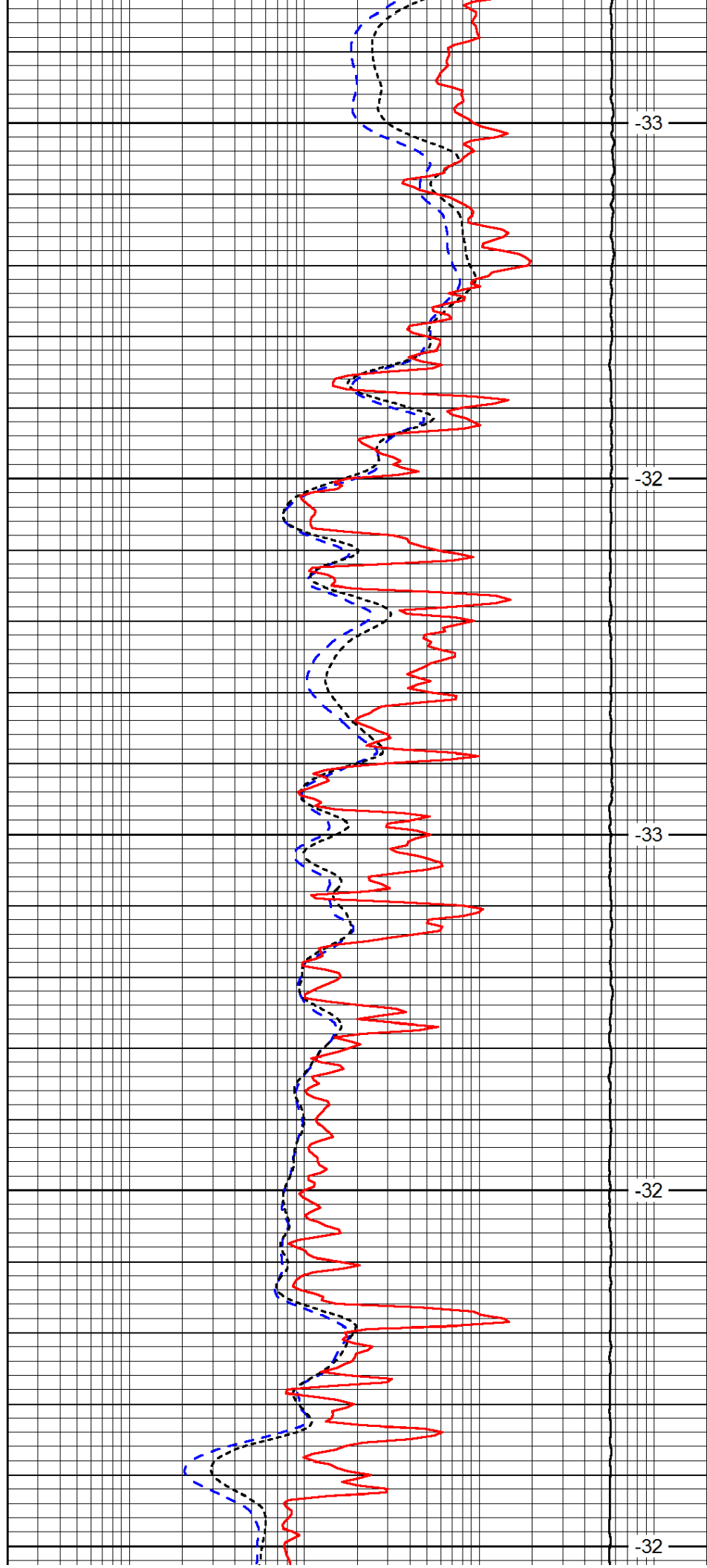
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4450

4500

4550

4600



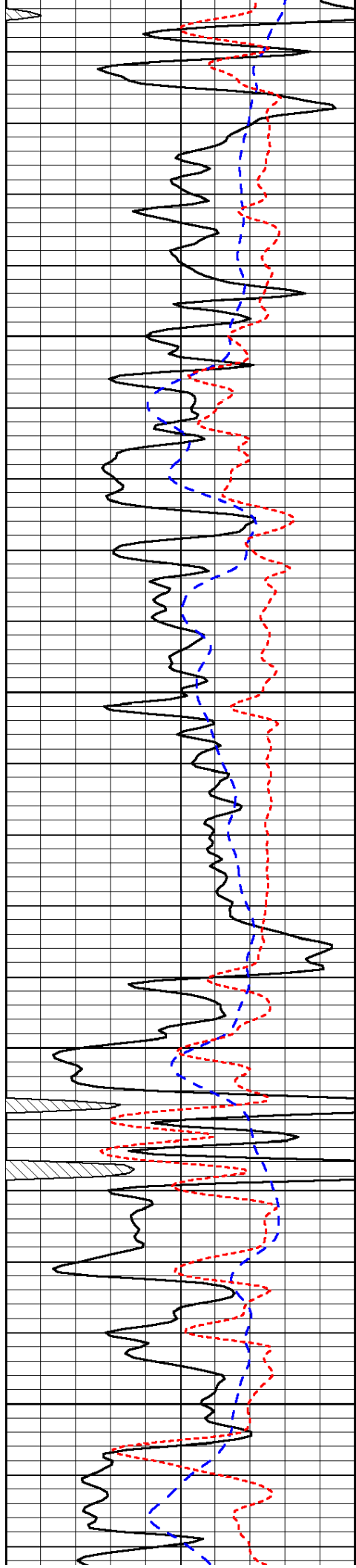
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-32

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-32

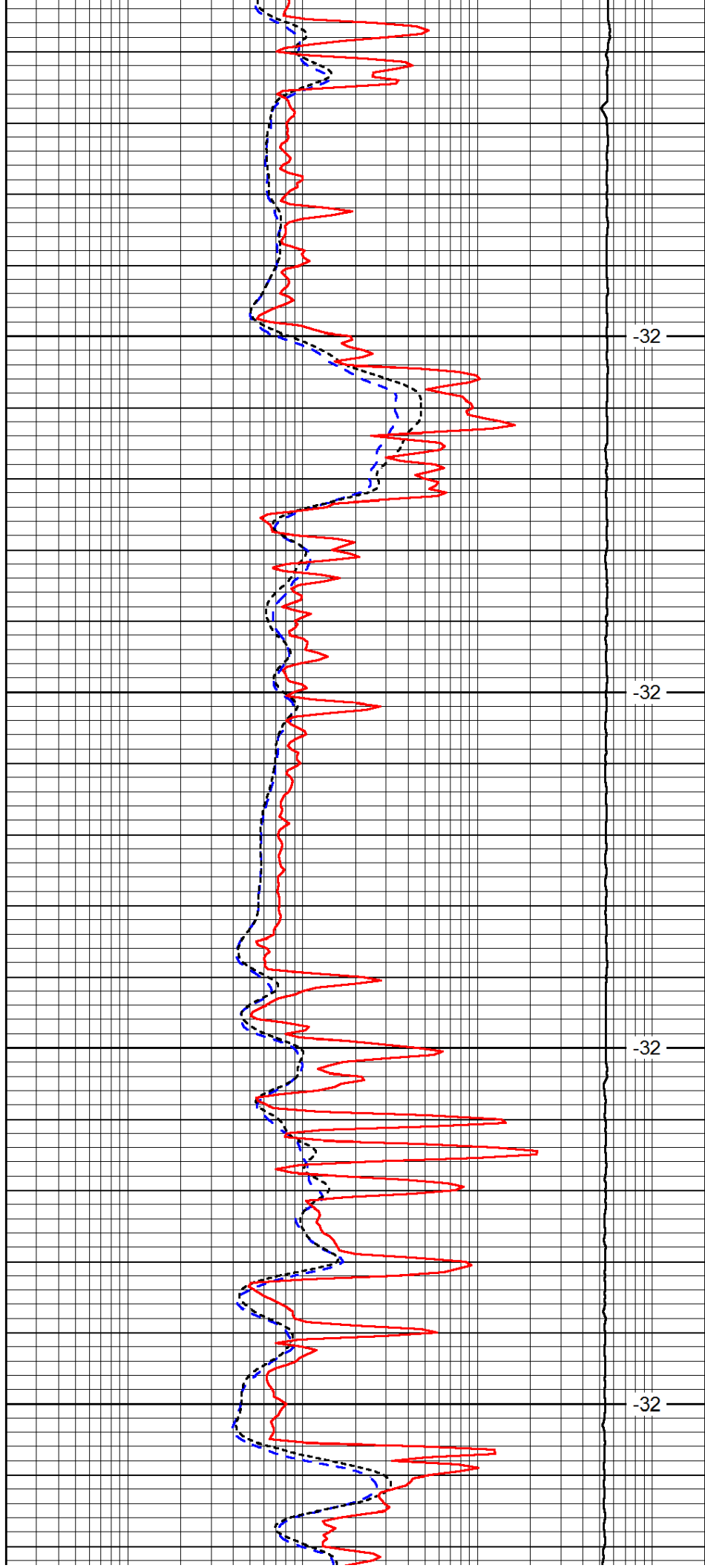


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4700

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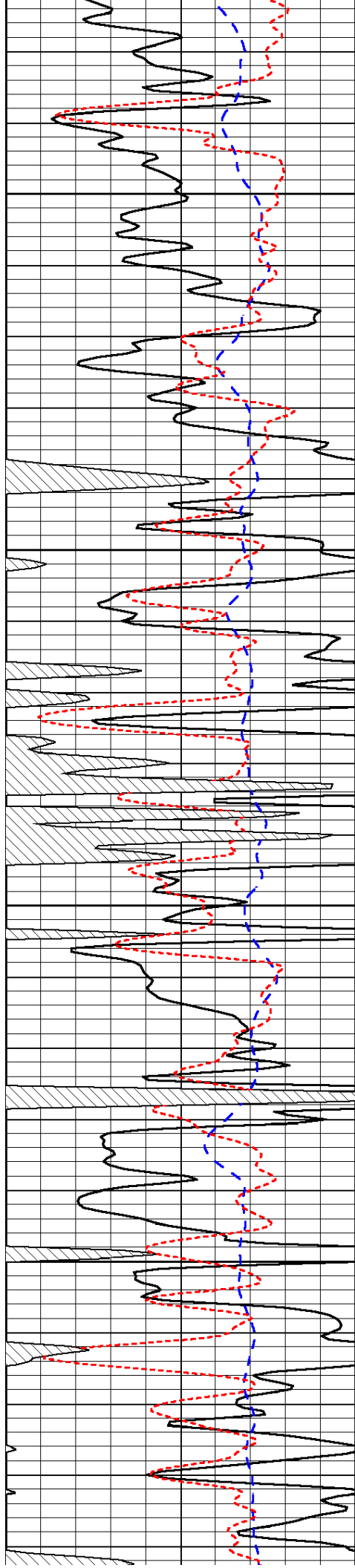


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-32

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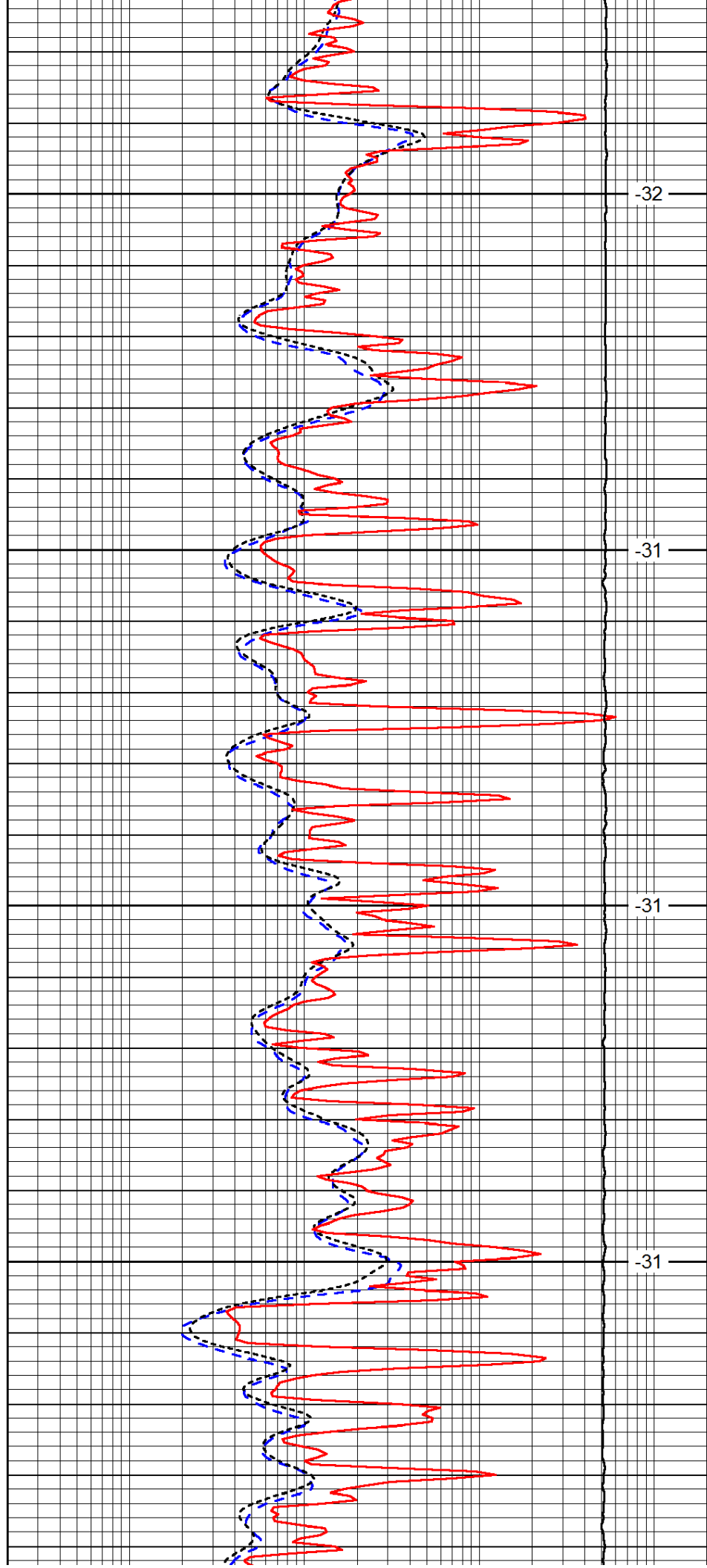


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4900

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5000

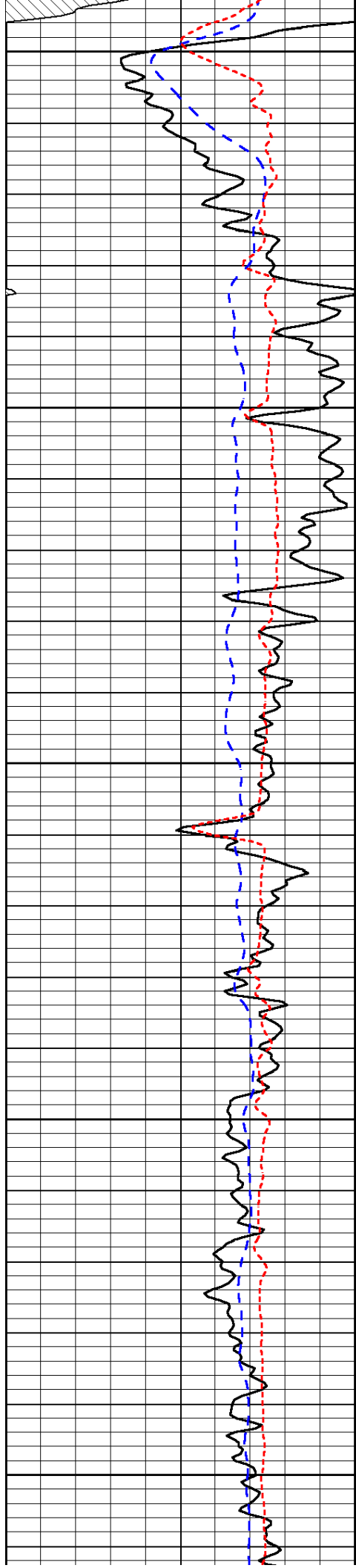


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-31

-31



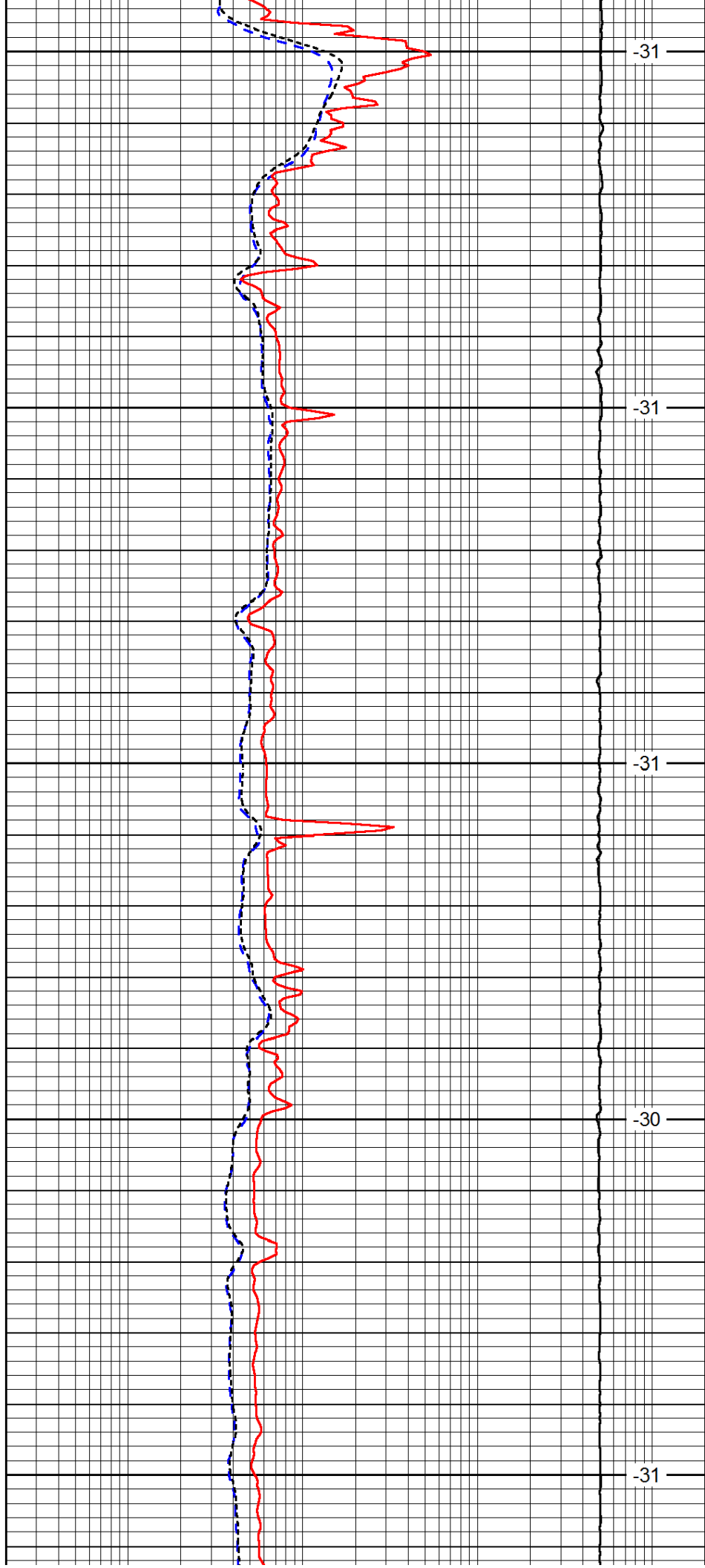
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5100

5150

5200

5250



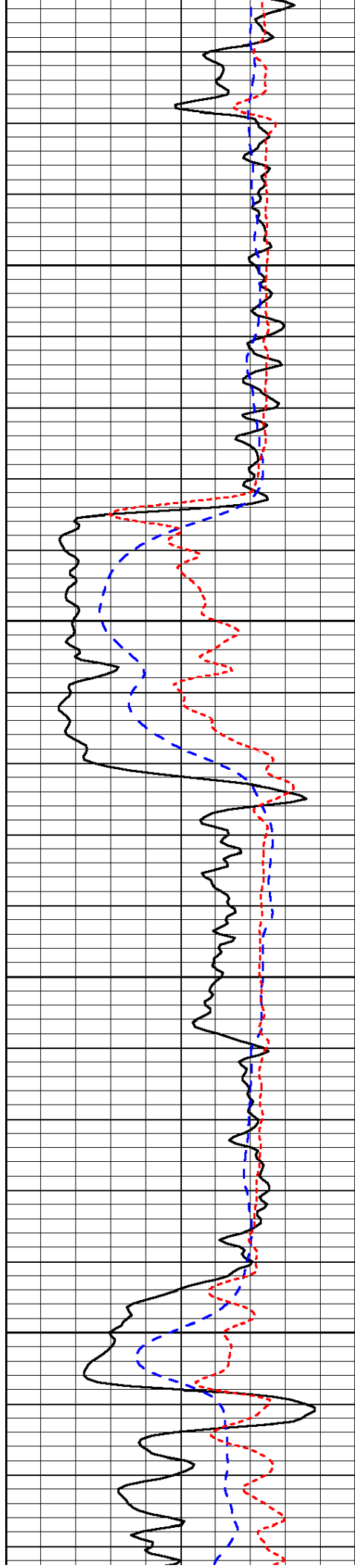
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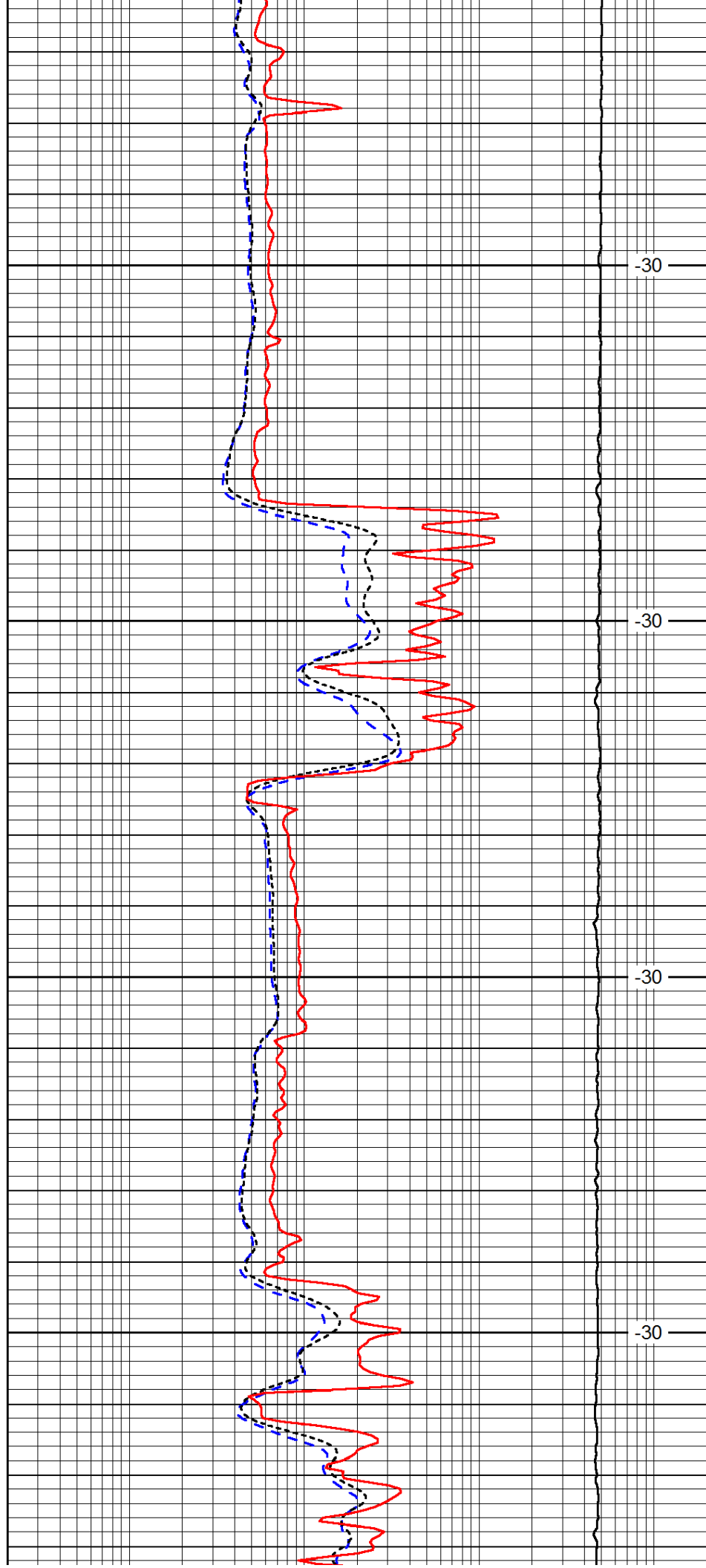


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5350

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5450

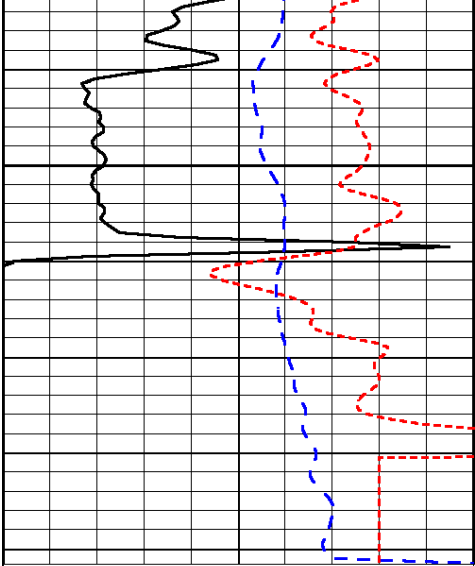


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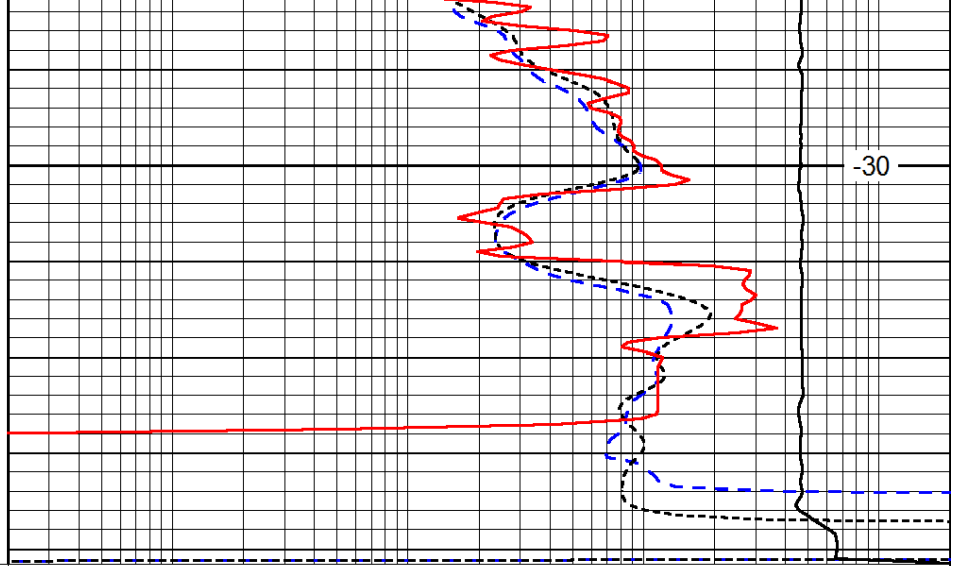
-30

-30



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

5500



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

LSPD