



Pioneer Energy Services

Microresistivity Log

API No.	Company Palmer Oil, Inc. Well Cynthia No. 35-7 Field County Stevens State Kansas		
15-189-22,807-00-00	Location Sec: 35 Twp: 31S Rge: 39W	SE NW NE SE 2,200' FSL & 750' FEL	
Permanent Datum Log Measured From Drilling Measured From	Ground Level Kelly Bushing Kelly Bushing	Elevation 3180 12 Ft. Above Perm. Datum	Other Services CNL/CDL DIL
Date	10/10/2013		
Run Number	Two		
Depth Driller	6250		
Depth Logger	6252		
Bottom Logged Interval	6251		
Top Log Interval	4000		
Casing Driller	8.625 @ 1762		
Casing Logger	1760		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1900		
Density / Viscosity	9.3 58		
pH / Fluid Loss	9.0 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.65 @ 70		
Rmf @ Meas. Temp	.49 @ 70		
Rmc @ Meas. Temp	.88 @ 70		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.33 @ 139		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	139		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Jeff Lawler		

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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

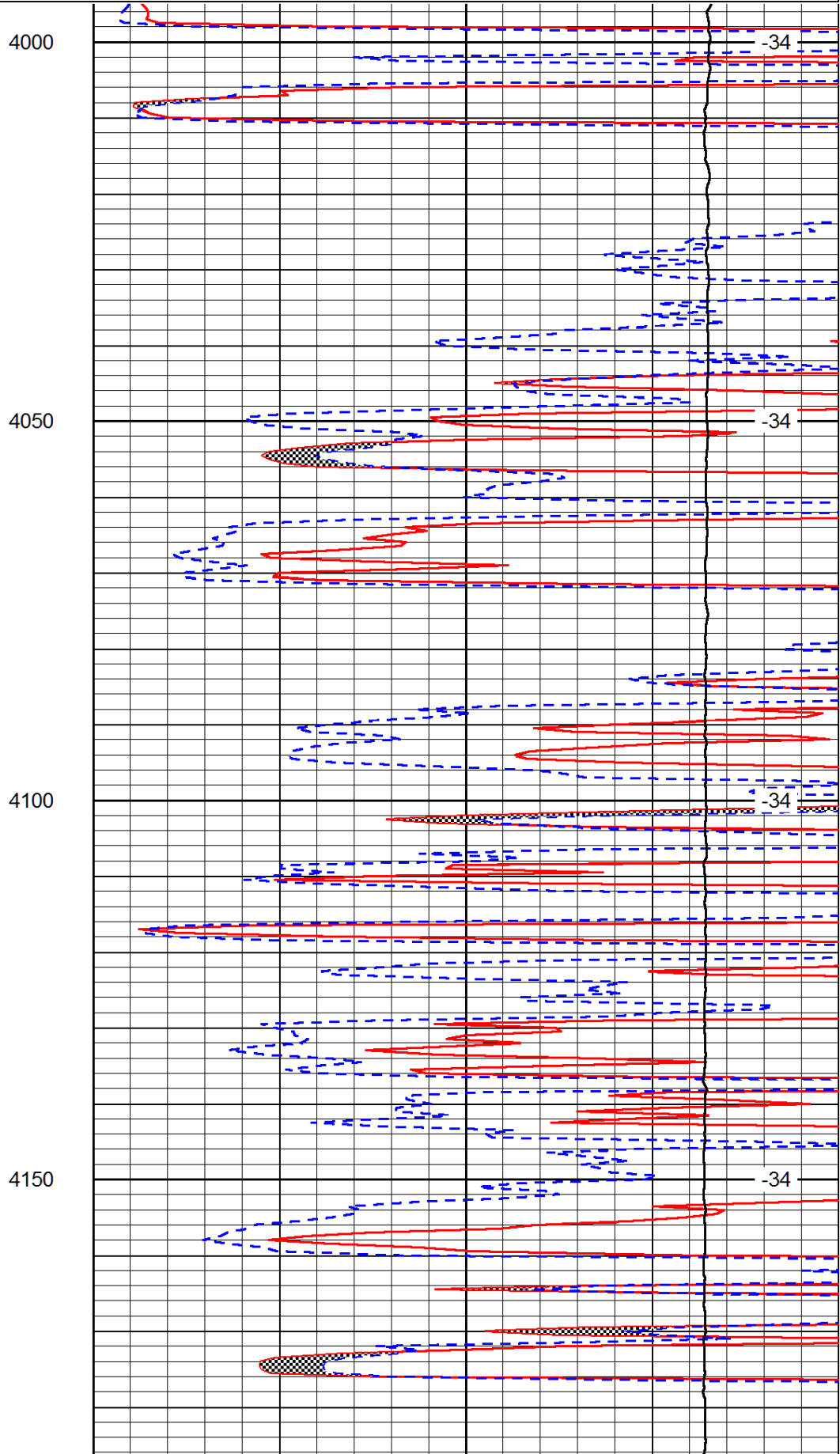
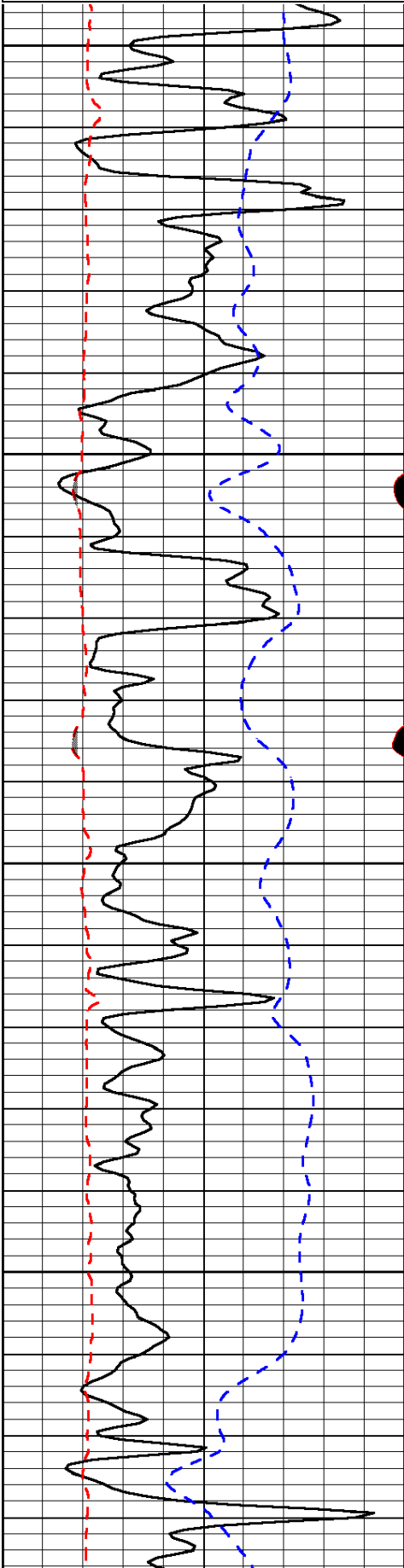
Thank you for using Log-Tech, Inc.
(785) 625-3858

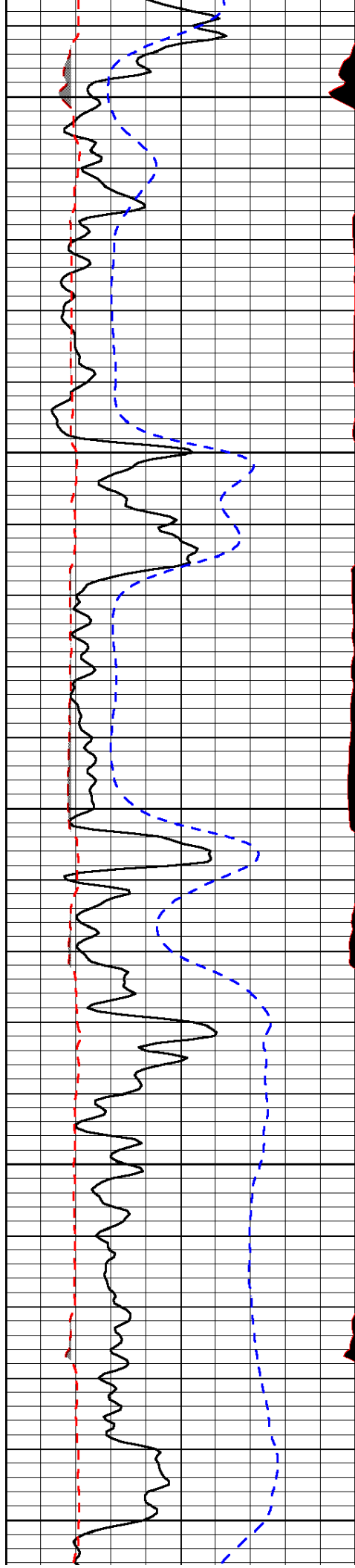
Moscow, 3/4 Southwest to Y Road, 17 West to 3 Road (Stay on Blacktop, Y Road turns into Z Road),
1 South, 1/2 West, 1/2 South, East Into

Database File: palmer_cynthia_35-7hd.db
Dataset Pathname: dil/palmstck
Presentation Format: micro
Dataset Creation: Thu Oct 10 15:21:09 2013
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





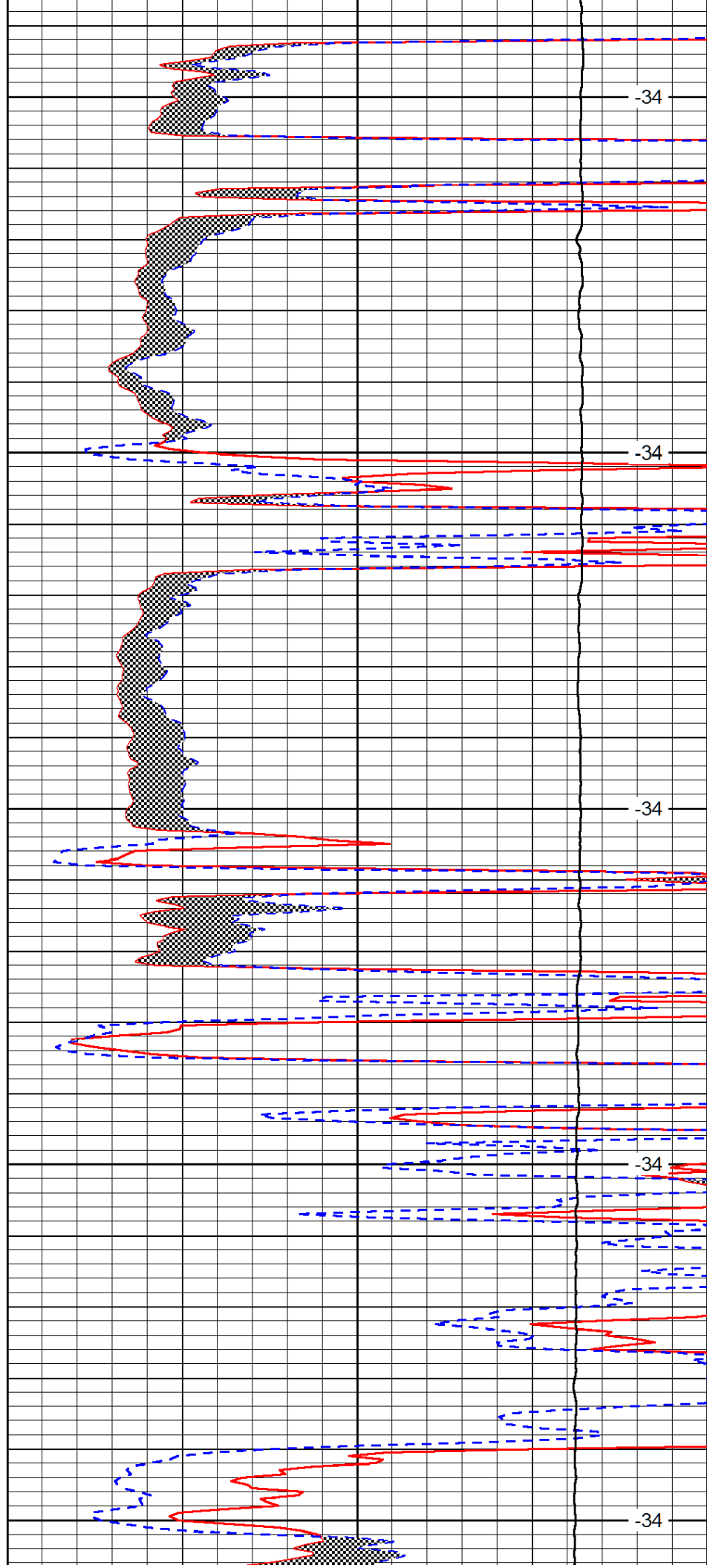
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4250

4300

4350

4400



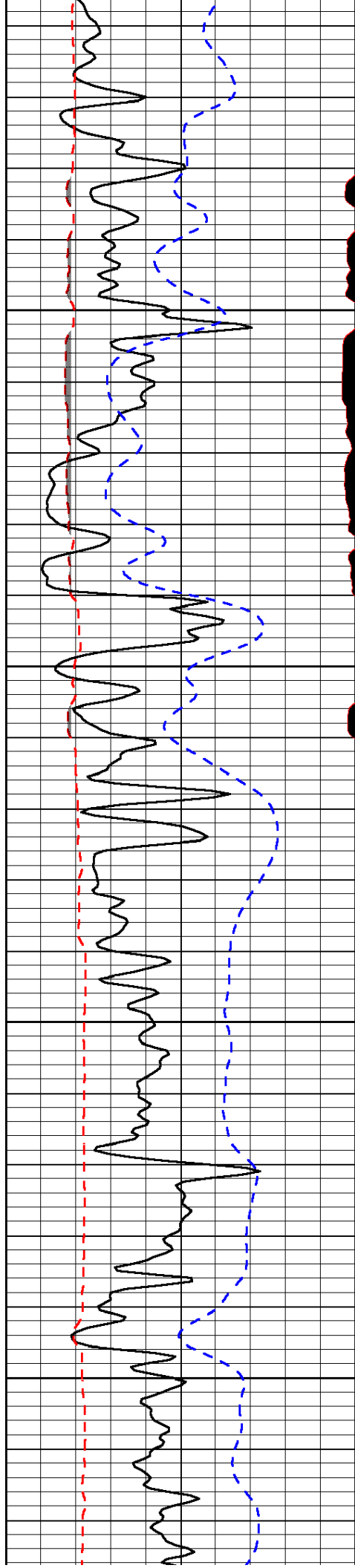
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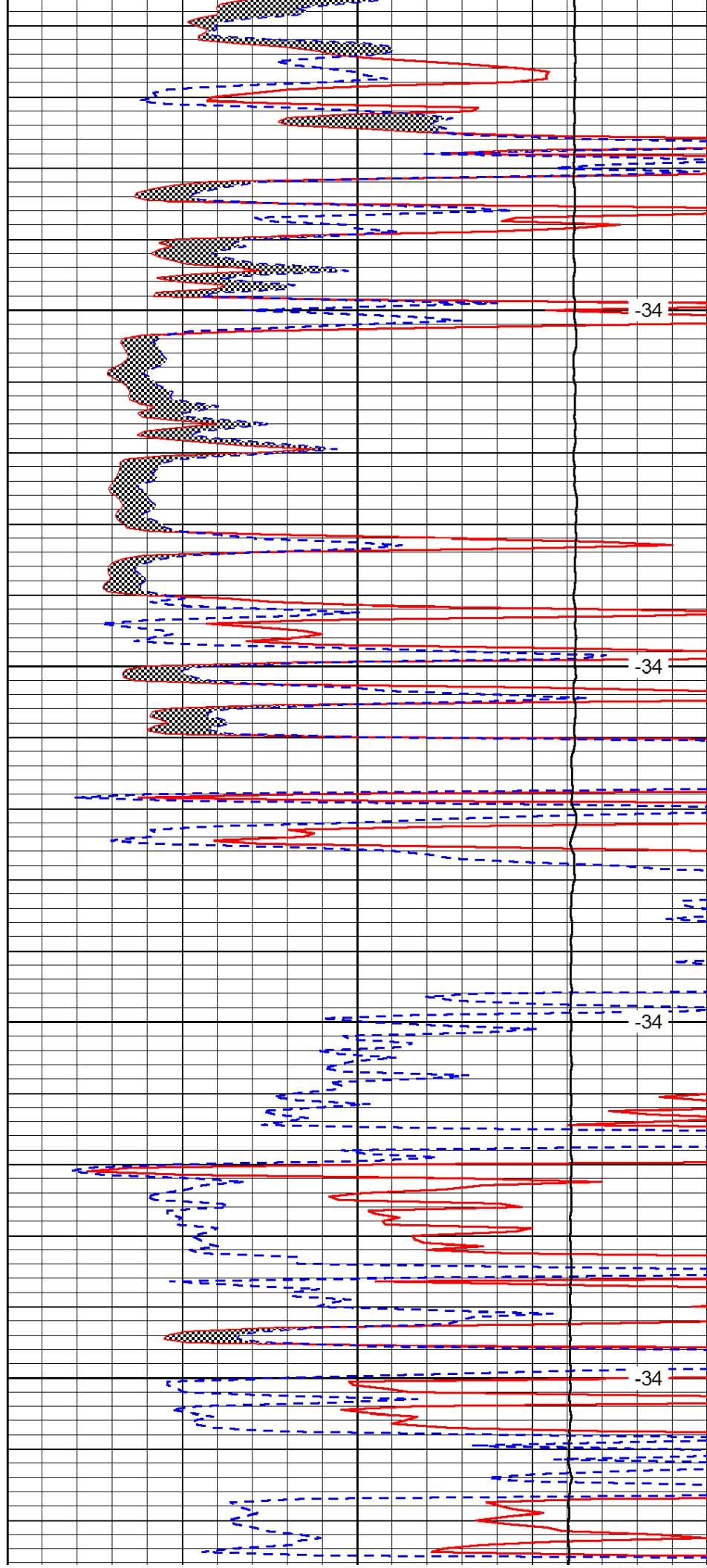


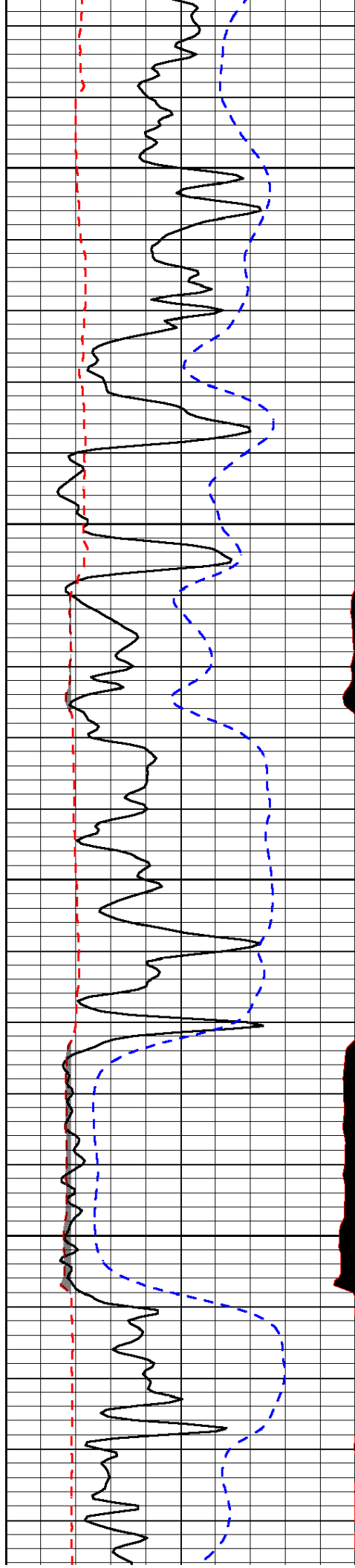
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4500

4550

4600



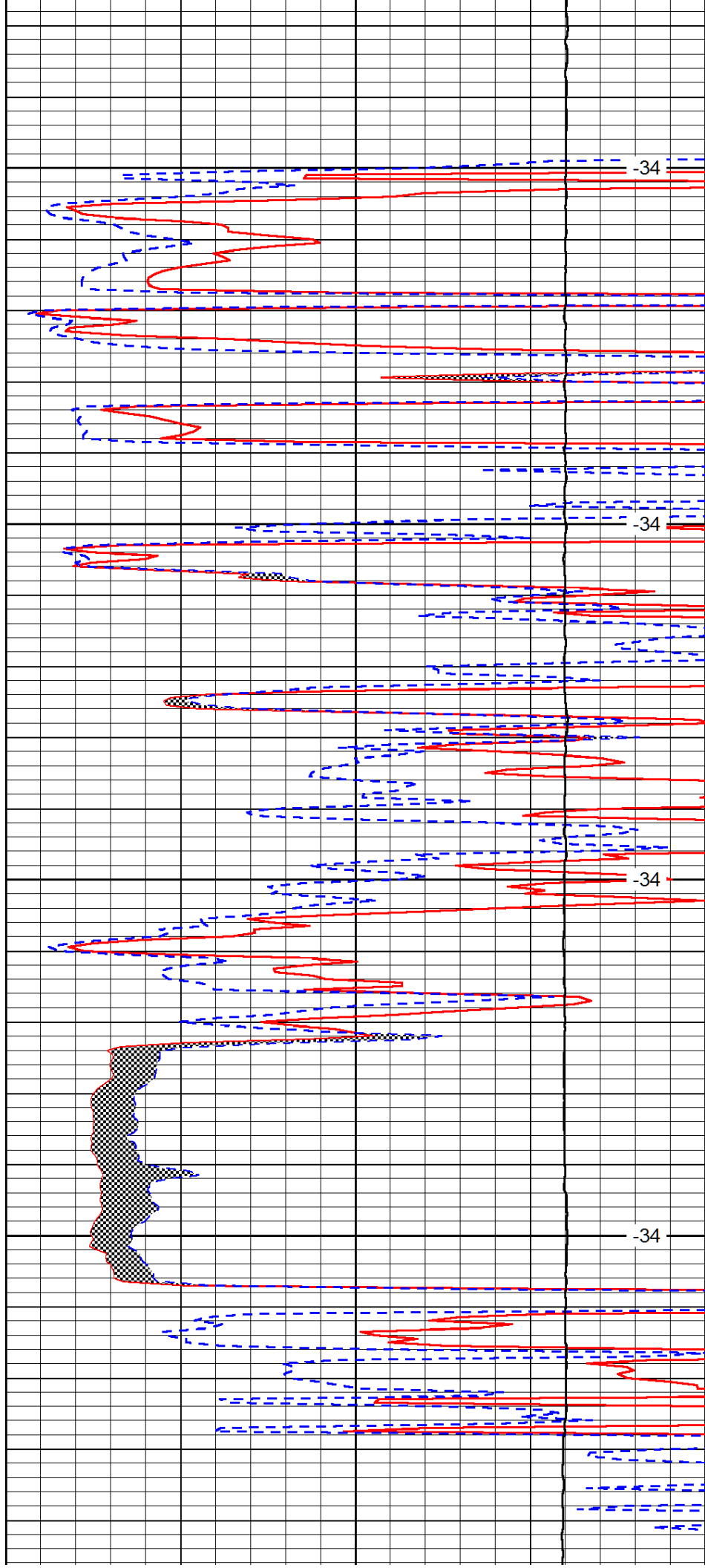


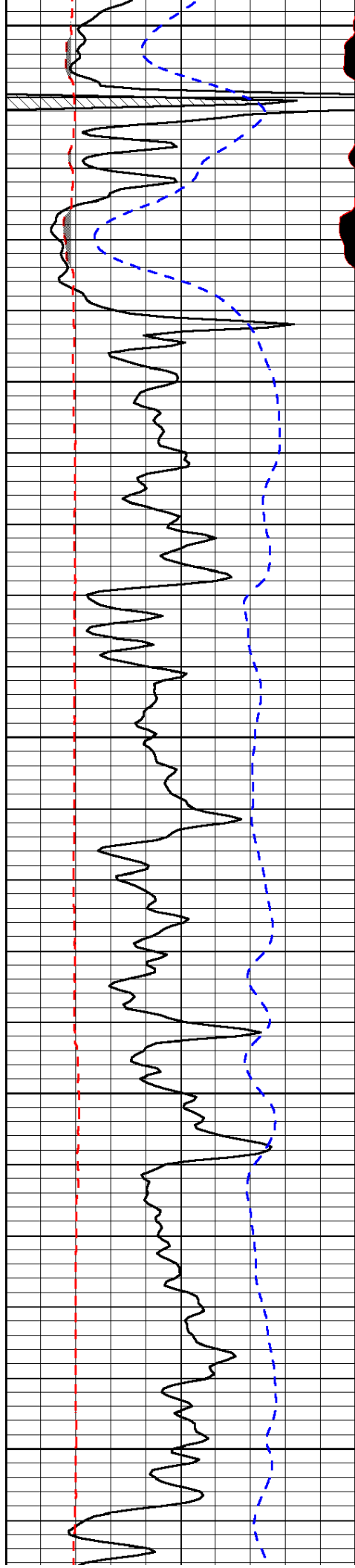
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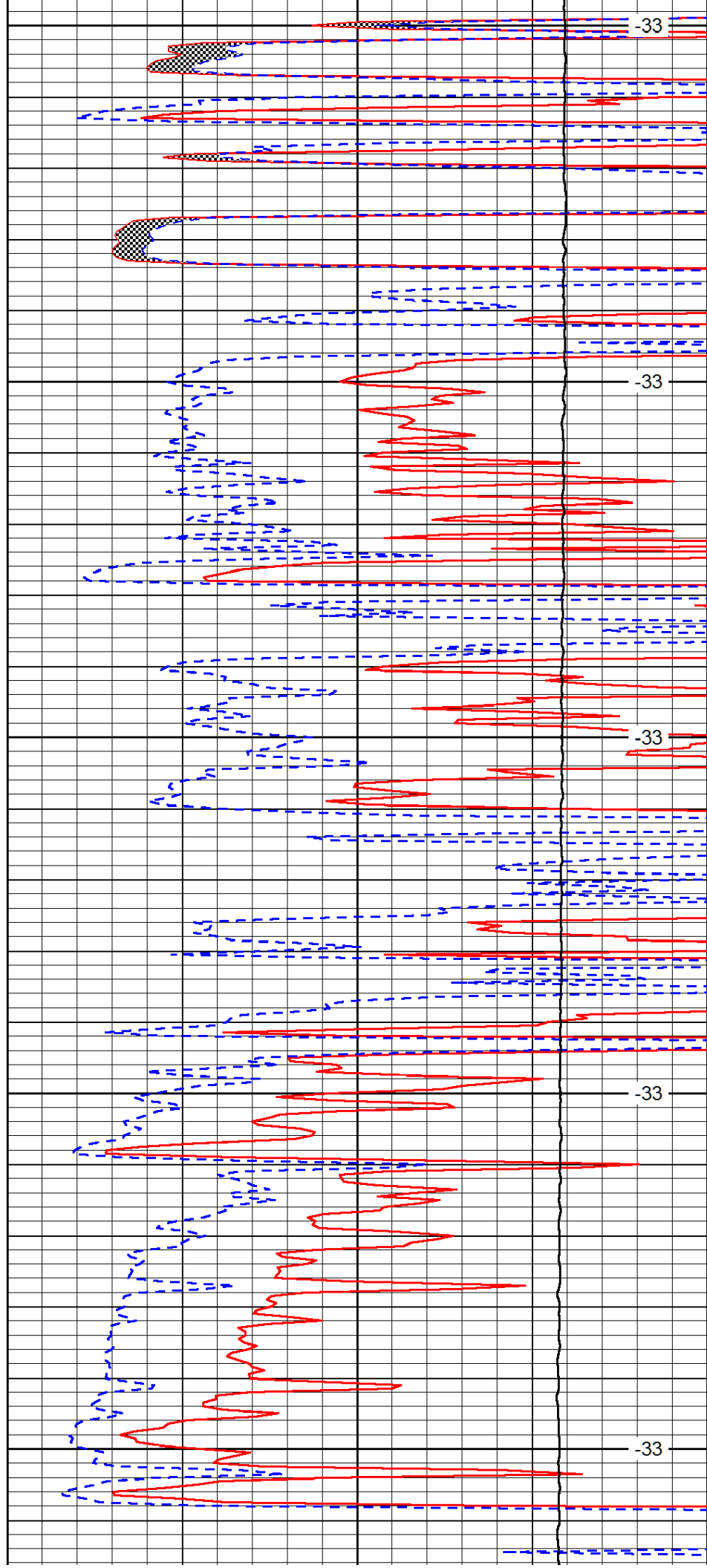
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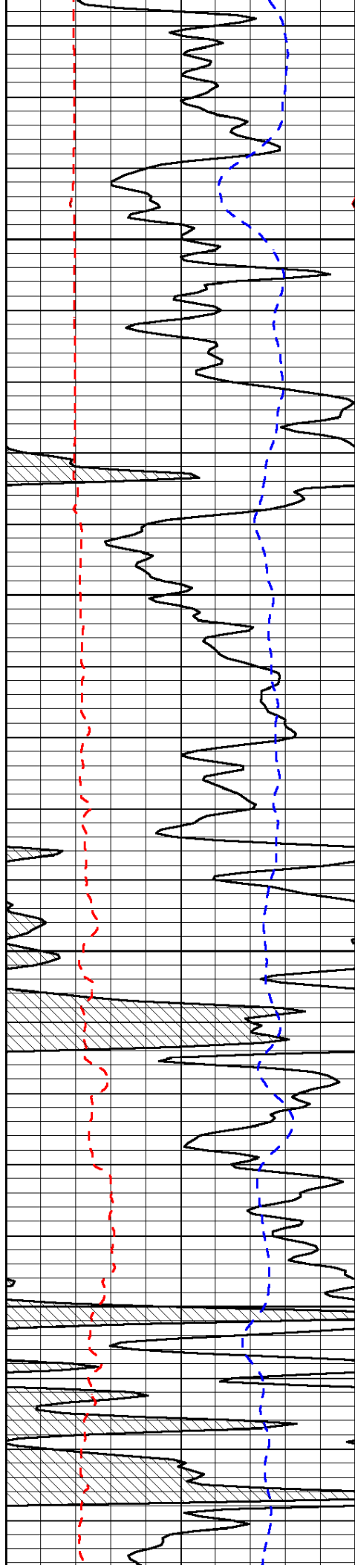
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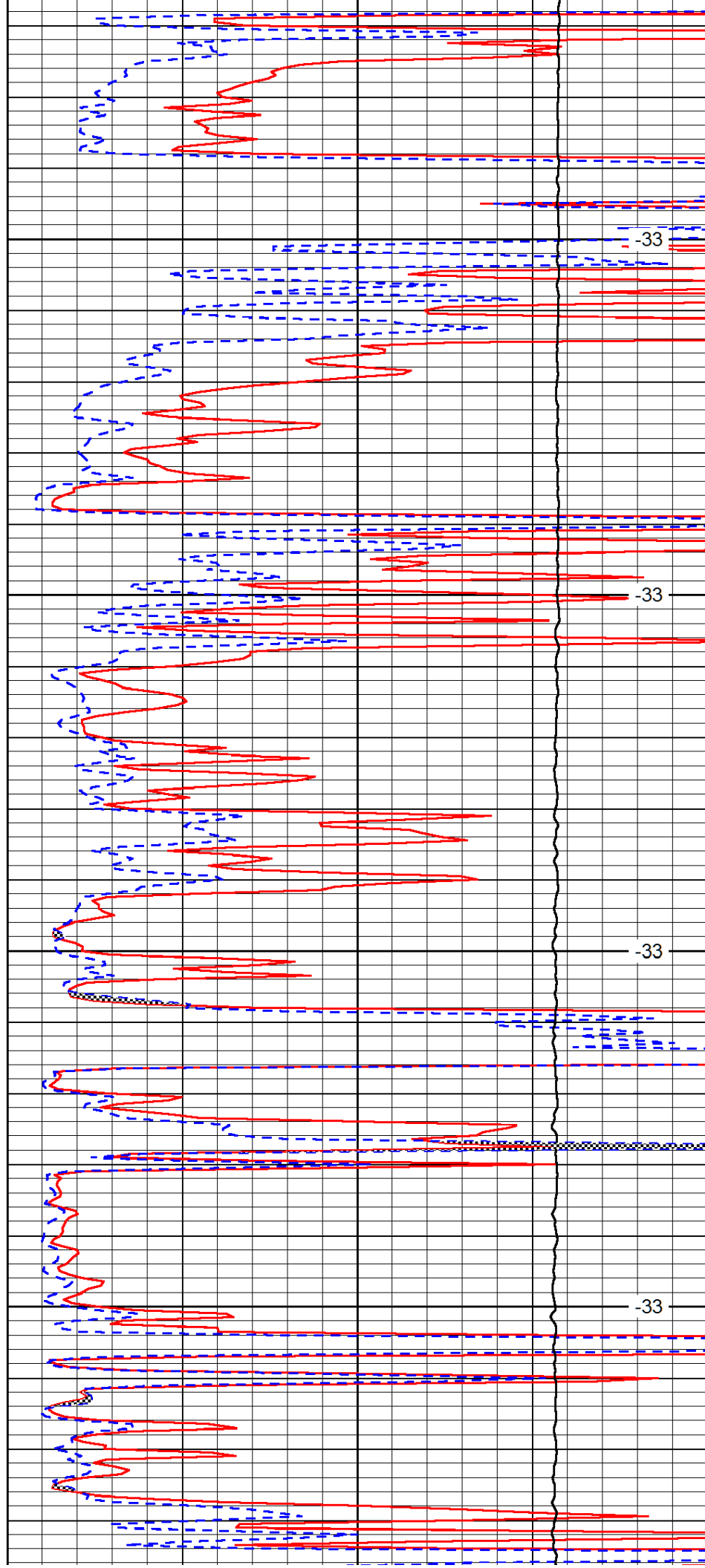


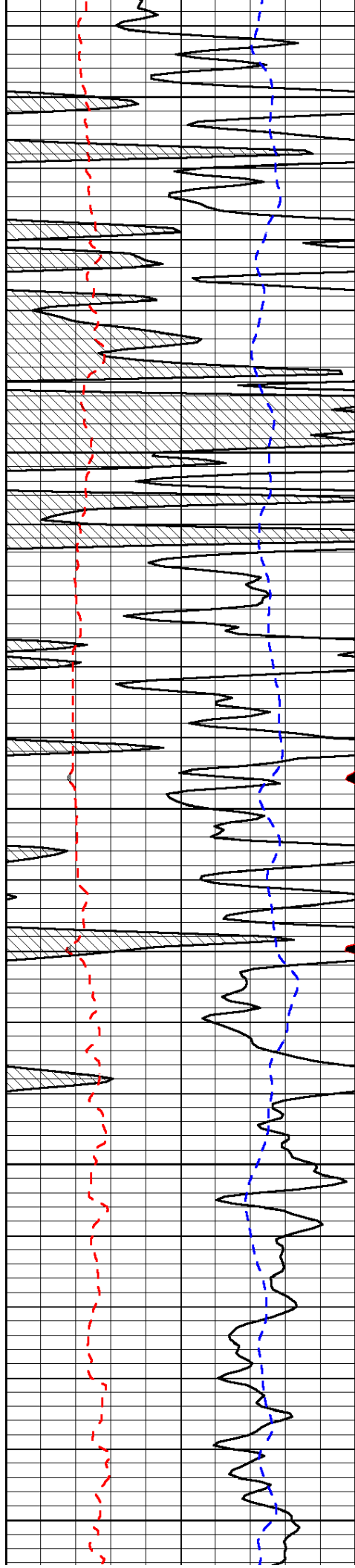
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5150

5200

5250





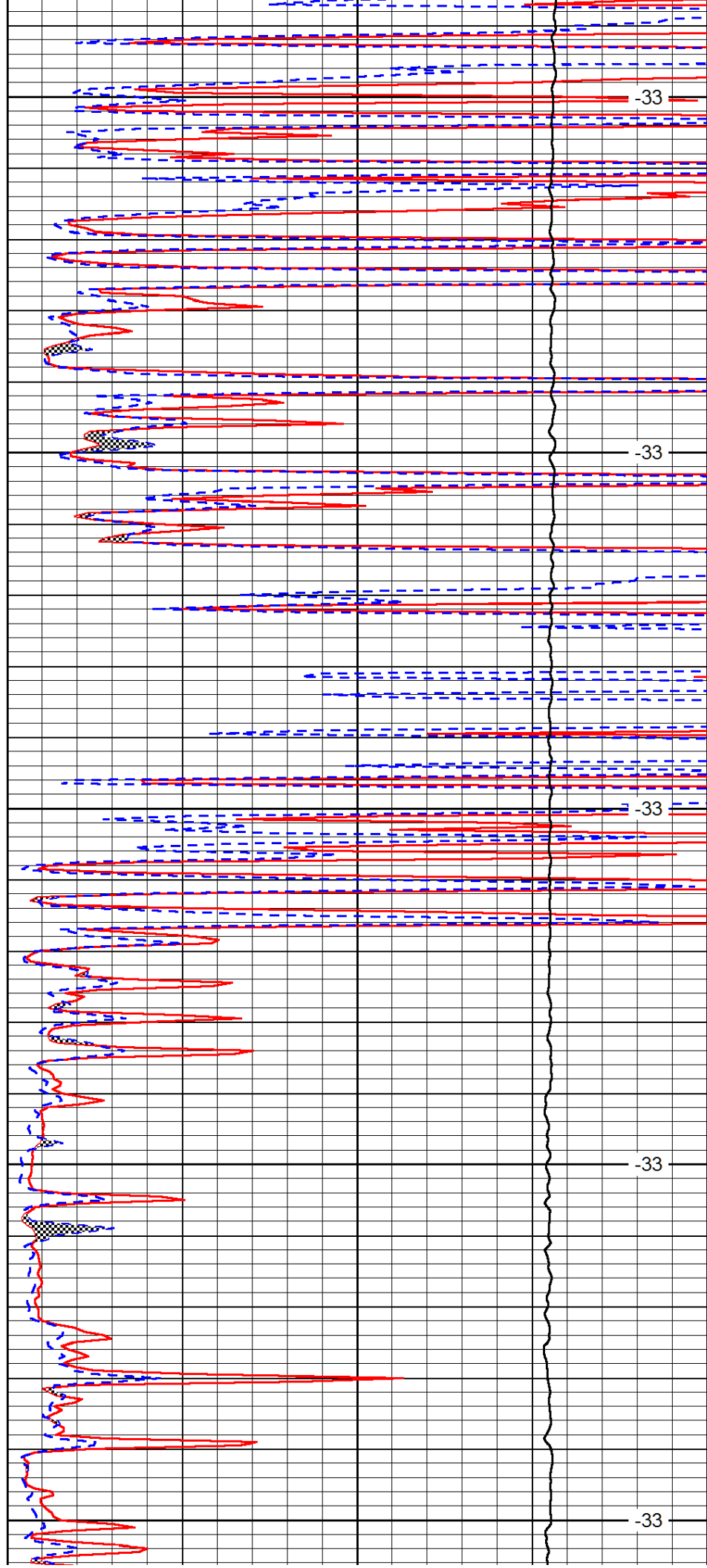
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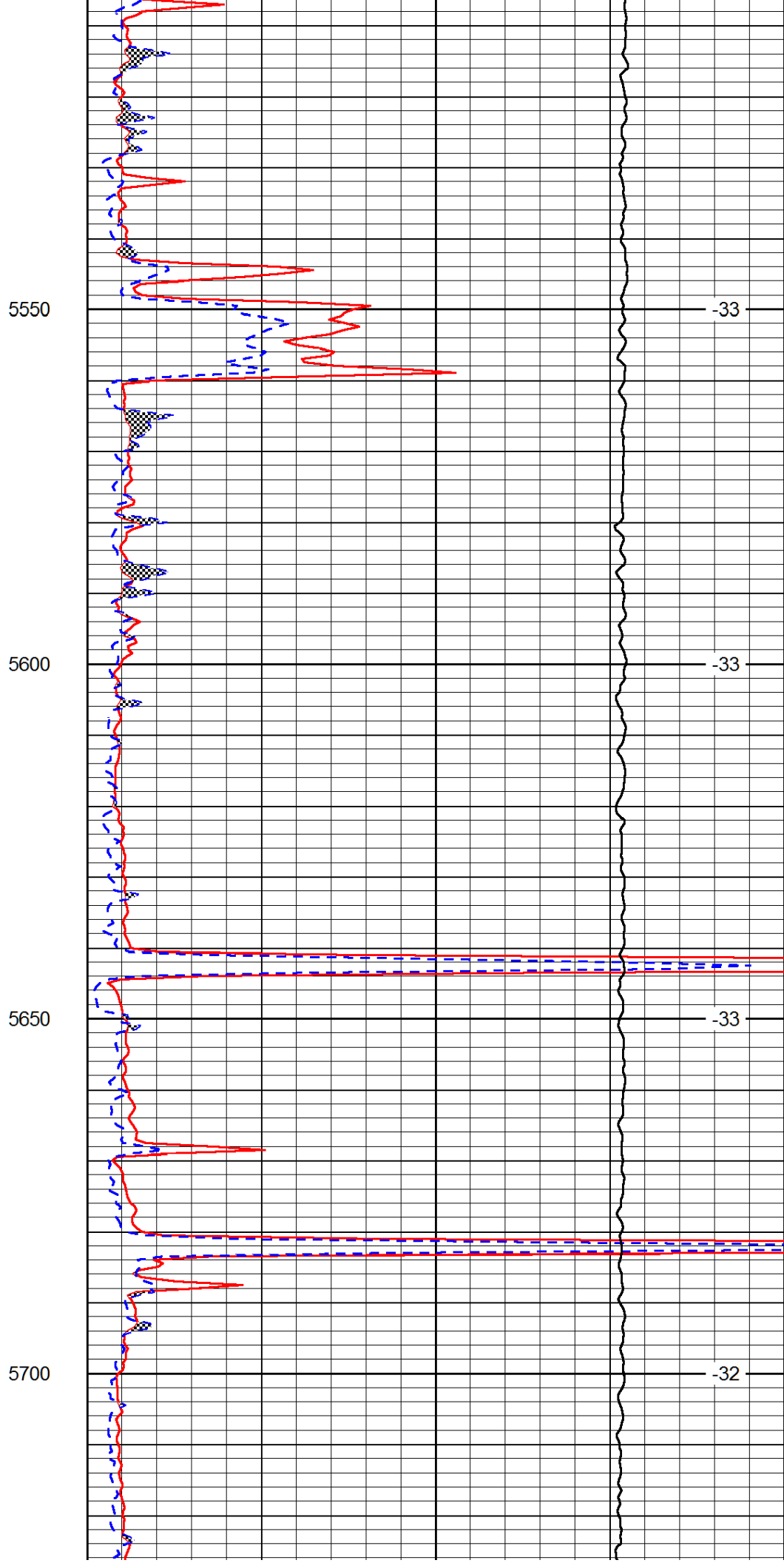
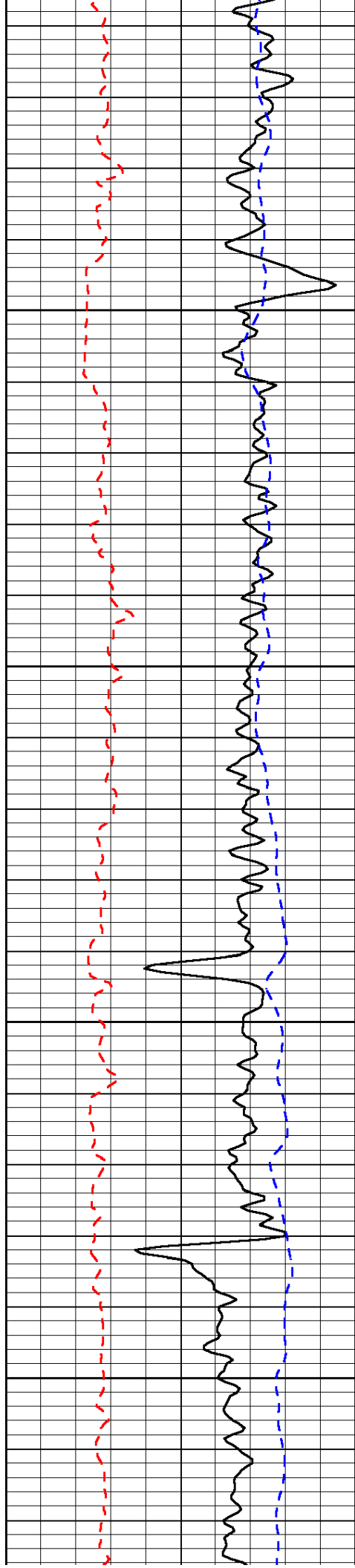
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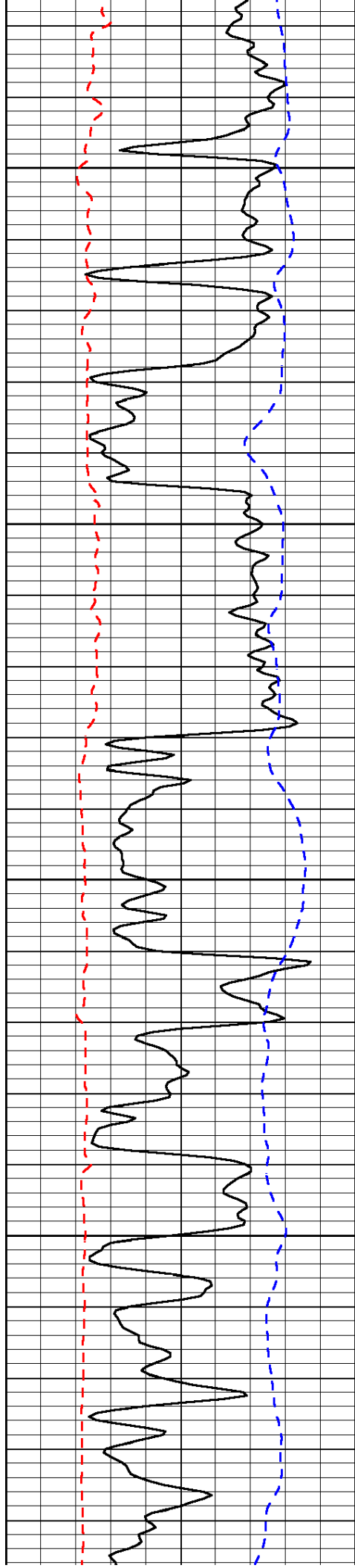
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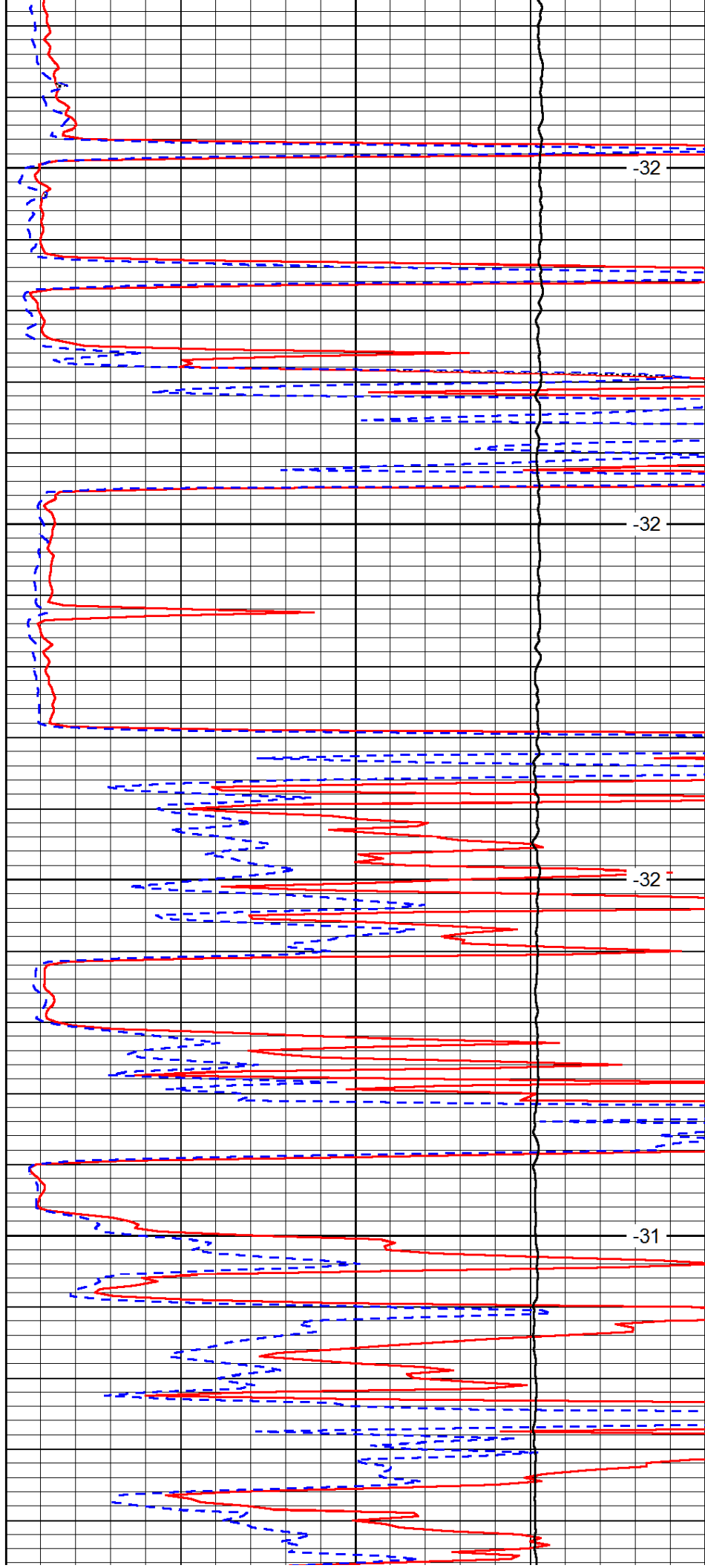


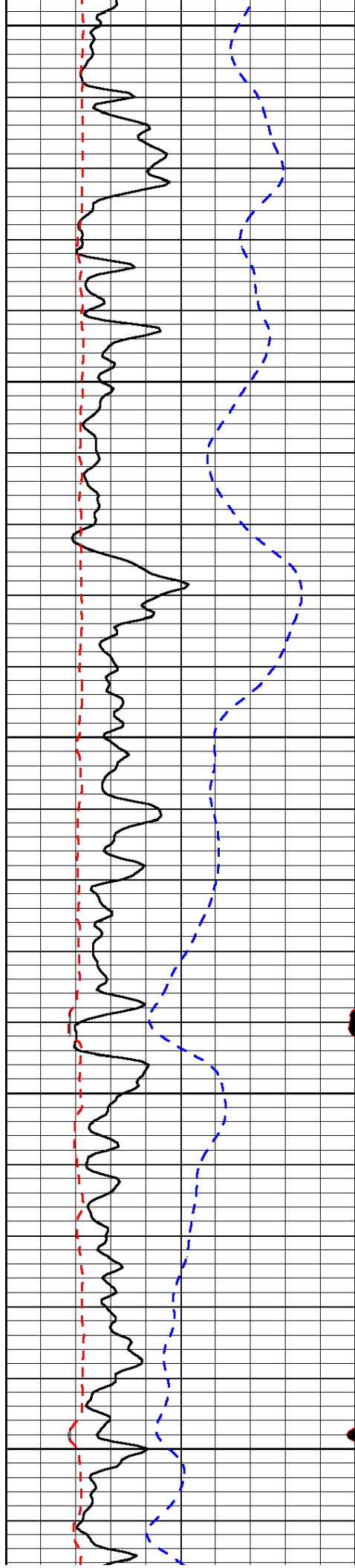
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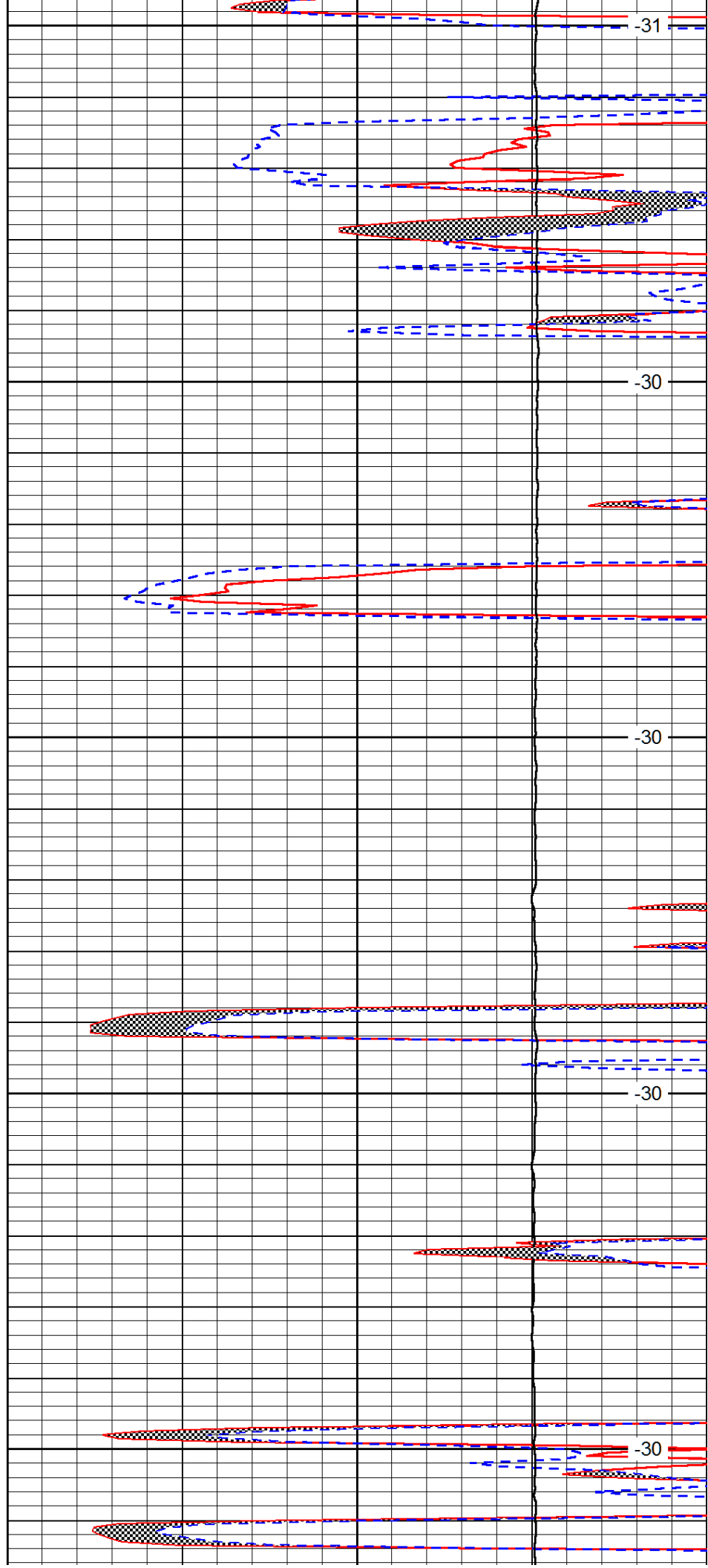
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6000

6050

6100

6150



-31

-30

-30

-30

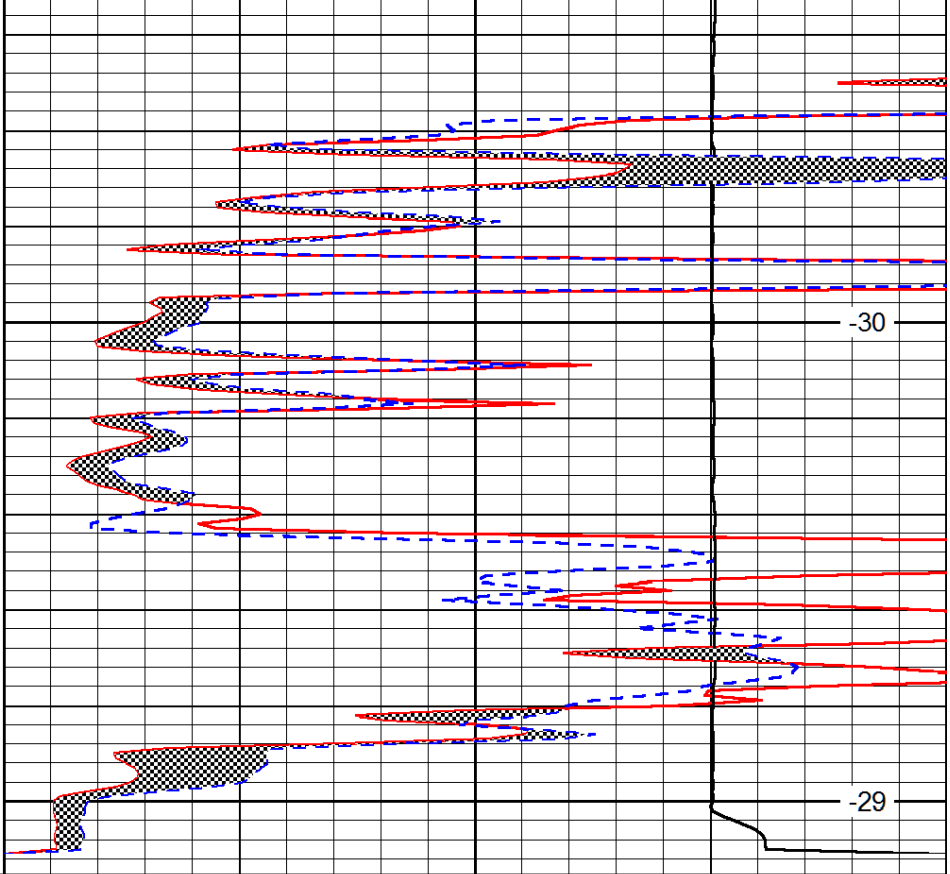
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