

PIONEER
Pioneer Energy Services

**MICRORESISTIVITY
LOG**

CompanyAMERICAN WARRIOR, INC WellMEYERS #3-9 FieldKISMET CountySEWARD StateKANSAS		CompanyAMERICAN WARRIOR, INC WellMEYERS #3-9 FieldKISMET CountySEWARD StateKANSAS	
Location: API #: 15-175-22239-00-00 1112' FNL / 818' FWL SEC 9 TWP 33S RGE 31W		Other Services CDL/CNL DIL/BHCS	
Permanent Datum	GROUND LEVEL	Elevation	2779'
Log Measured From	KELLY BUSHING	K.B.	2790'
Drilling Measured From	KELLY BUSHING	D.F.	N/A
		G.L.	2779'
Date	JULY 15, 2015		
Run Number	TWO		
Depth Driller	6150'		
Depth Logger	6150'		
Bottom Logged Interval	6149'		
Top Log Interval	1650'		
Casing Driller	8.625" @ 1695'		
Casing Logger	1698'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	2100		
Density / Viscosity	9.3 52		
pH / Fluid Loss	9.5 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.61 @ 73 F		
Rmf @ Meas. Temp	1.21 @ 73 F		
Rmc @ Meas. Temp	2.01 @ 73 F		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.89 @ 132 F		
Operating Rig Time	5.5 HOURS		
Max Rec. Temp. F	132 F		
Equipment Number	108		
Location	Hays		
Recorded By	CLINT CHRISTENSEN	MIKE GARCIA	DANIEL SCHMIDT
Witnessed By	LUKE THOMPSON		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

KISMET, KS:
1 1/2 SW, N INTO

Log Measured From: KELLY BUSHING 11 Ft. Above Permanent Datum

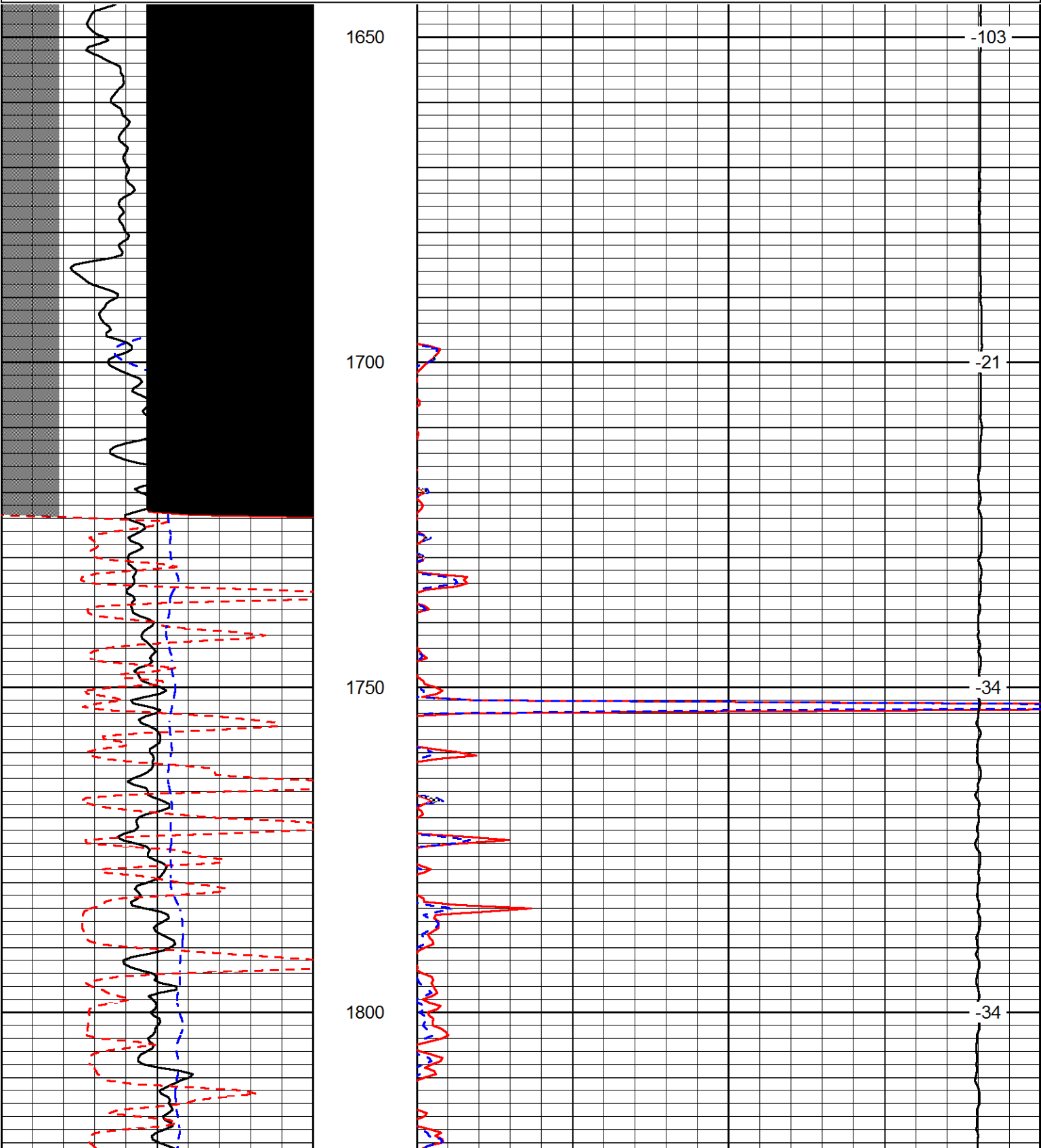
THANK YOU FOR USING PIONEER ENERGY SERVICES

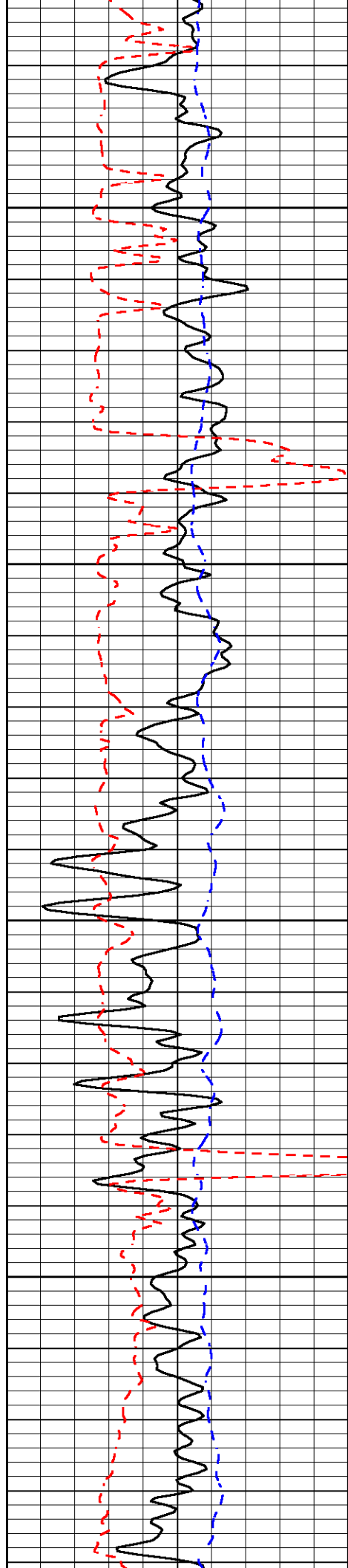
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew		This Log Record Was Witnessed By	
Engineer: CLINT CHRISTENSEN		Primary Witness: LUKE THOMPSON	
Operator: MIKE GARCIA		Secondary Witness:	
Operator: DANIEL SCHMIDT		Secondary Witness:	
Operator:		Secondary Witness:	

Database File	american warrior__meyers 3-9_hd.db
Dataset Pathname	awstack
Presentation Format	micro
Dataset Creation	Wed Jul 15 10:25:27 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Micro Inverese 1 X 1 (Ohm-m)	40
6	MCAL (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	Mud Cake (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0	LSPD (ft/min)		



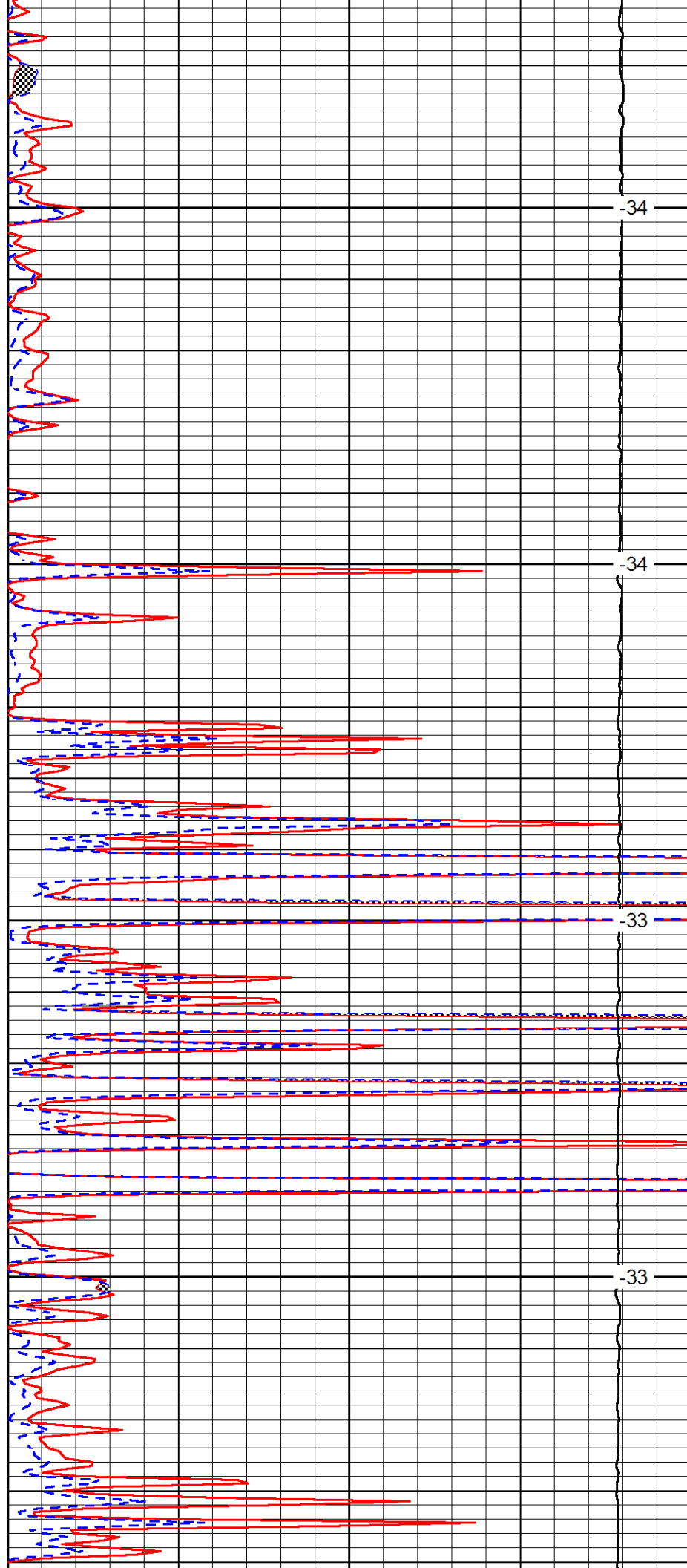


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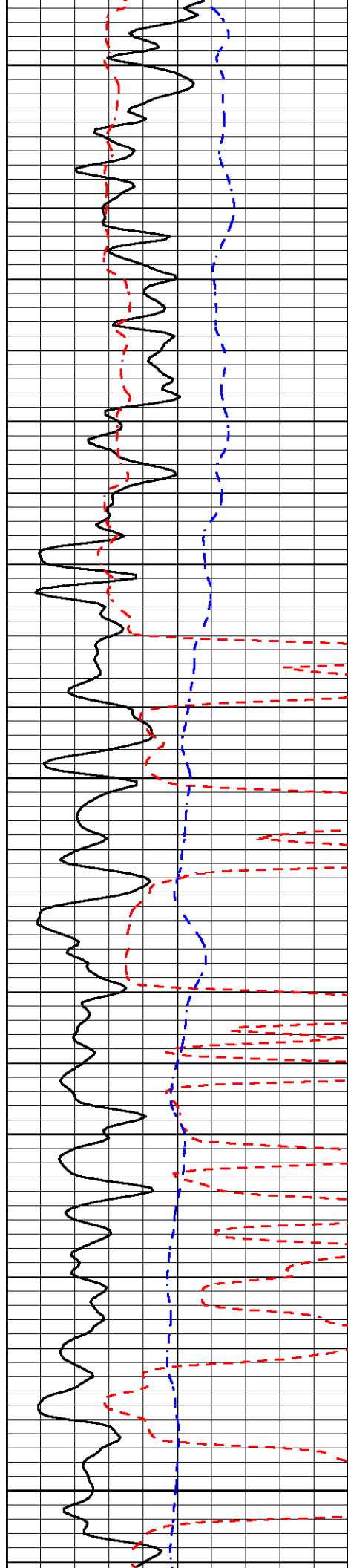


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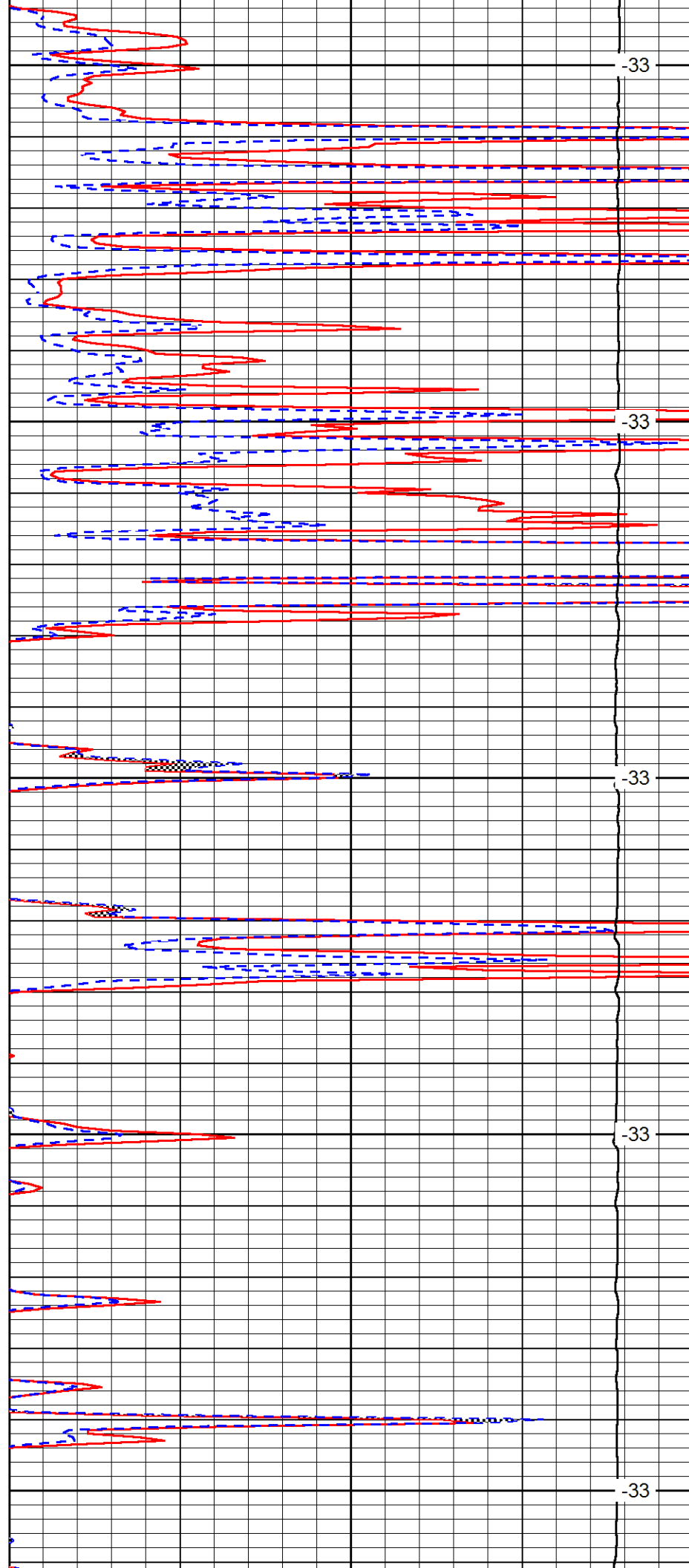
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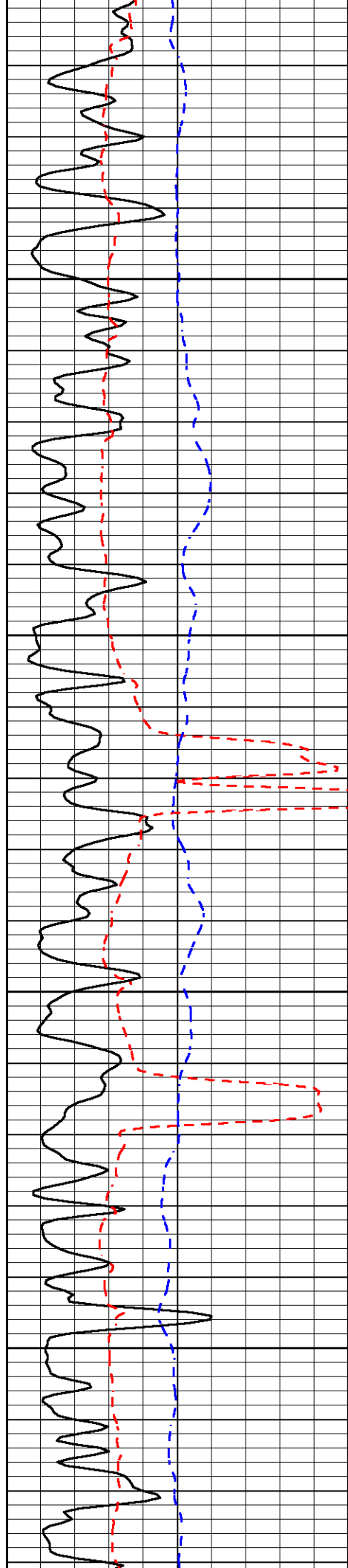
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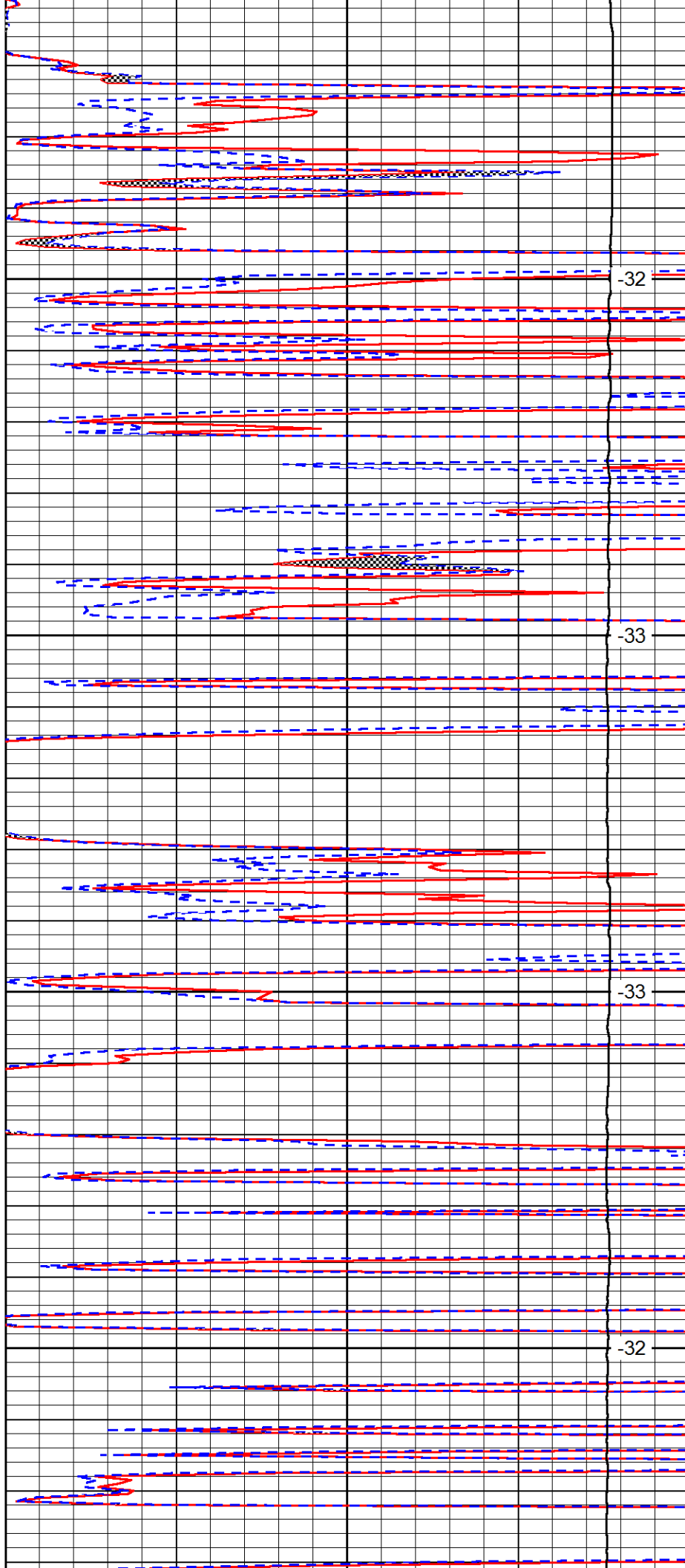


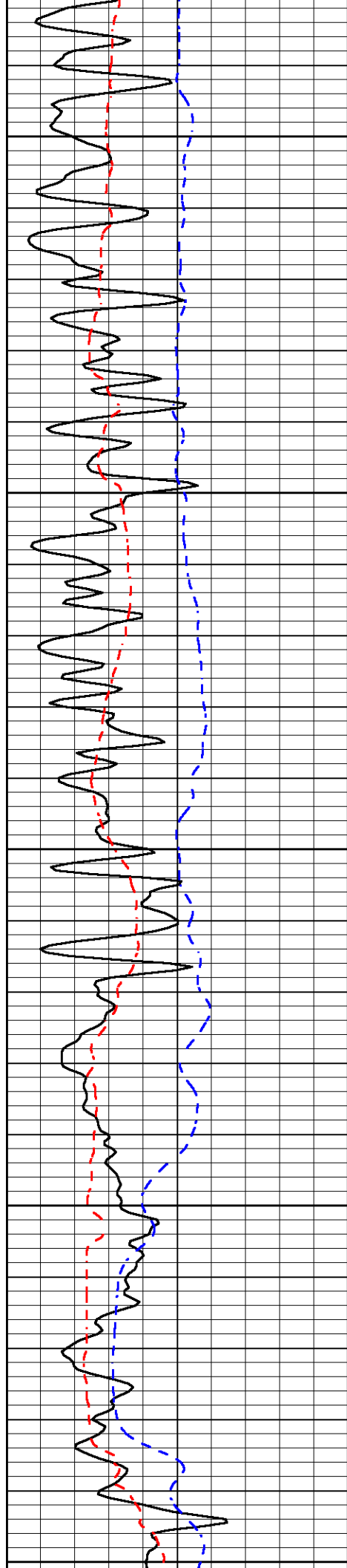
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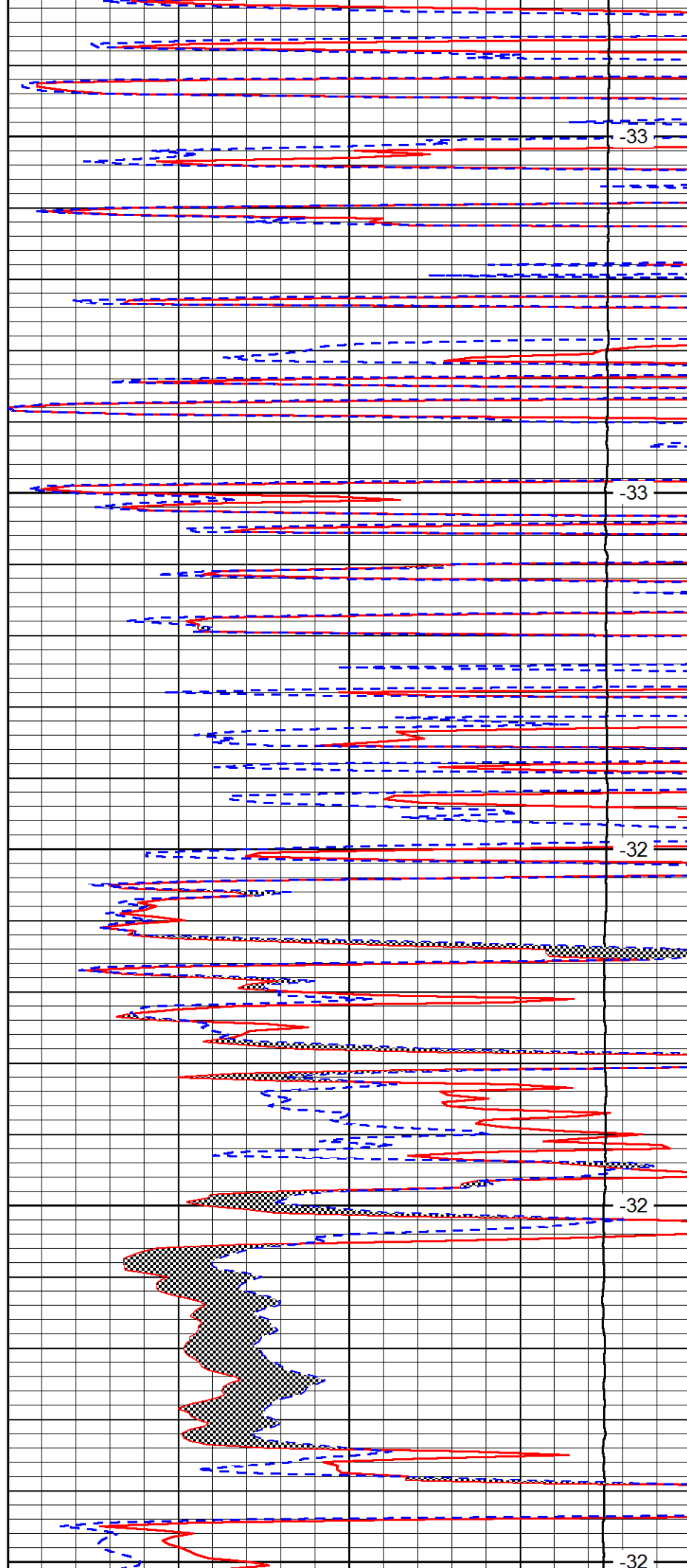
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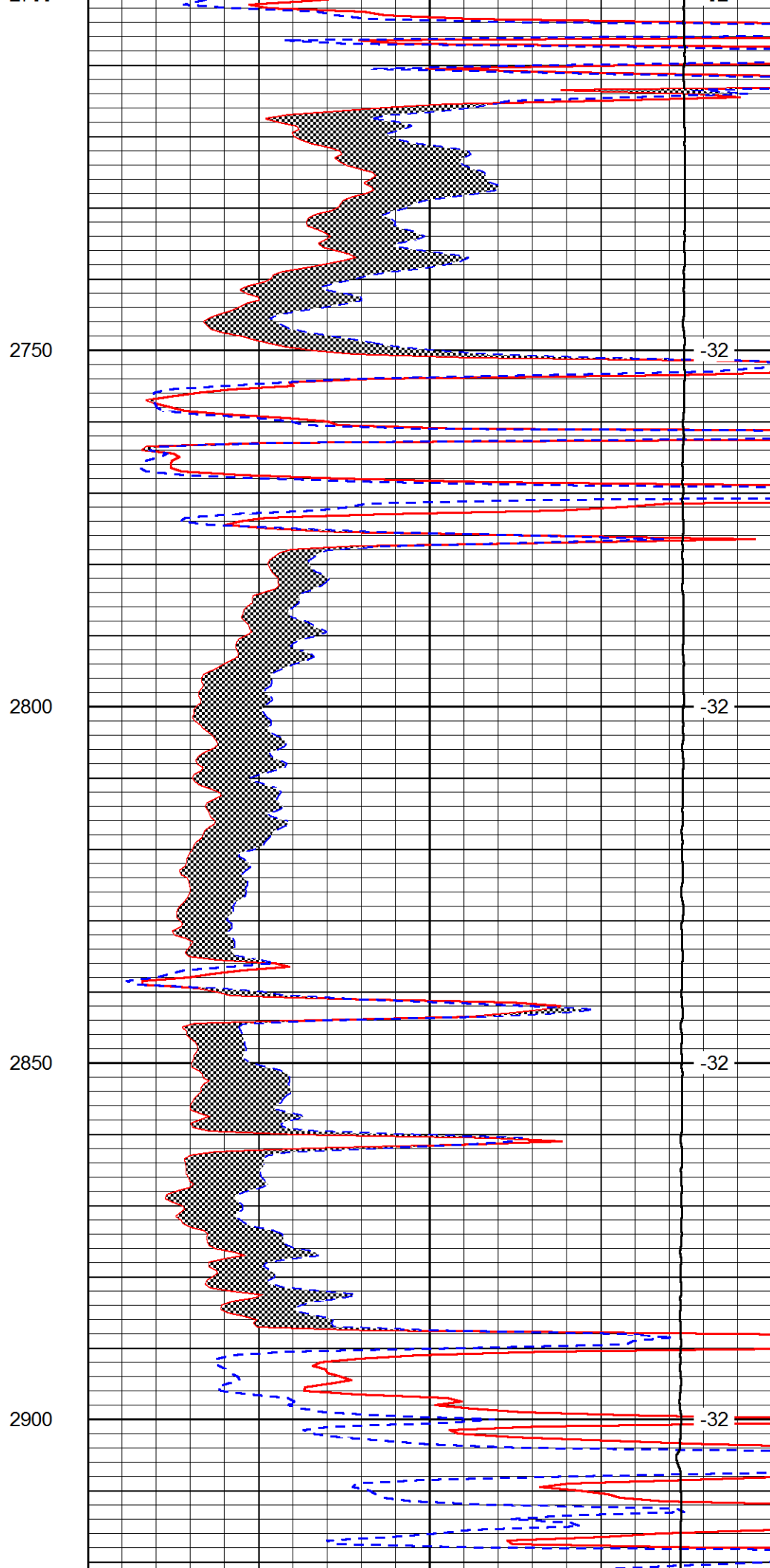
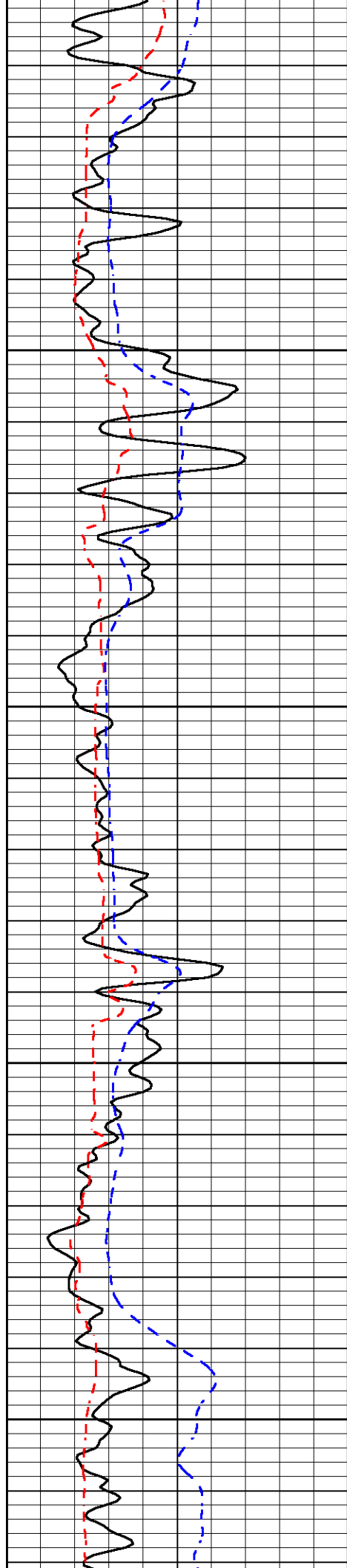
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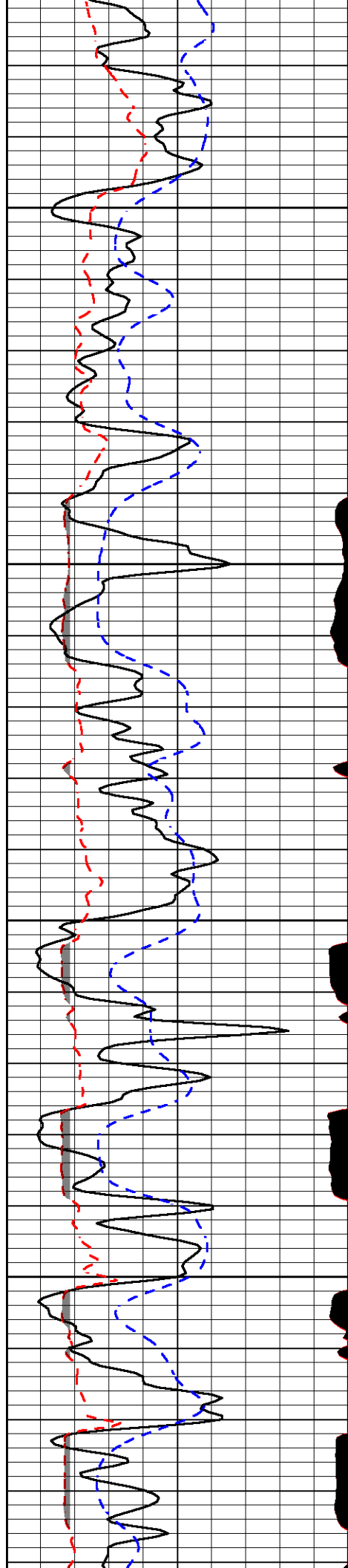
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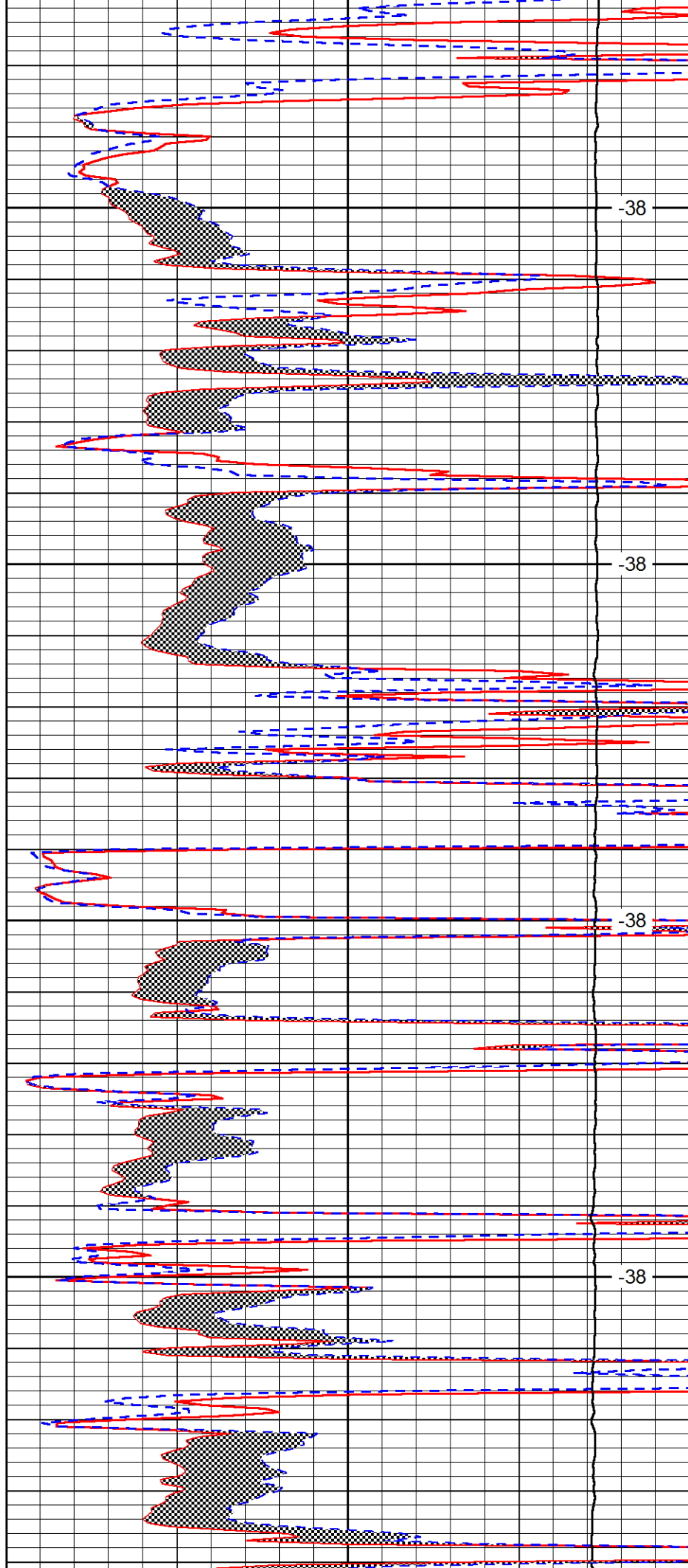


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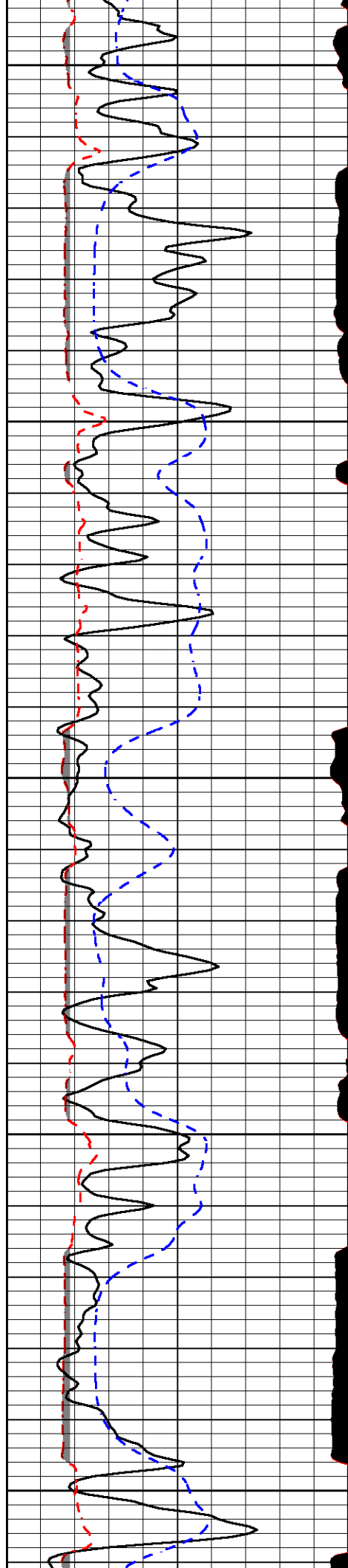


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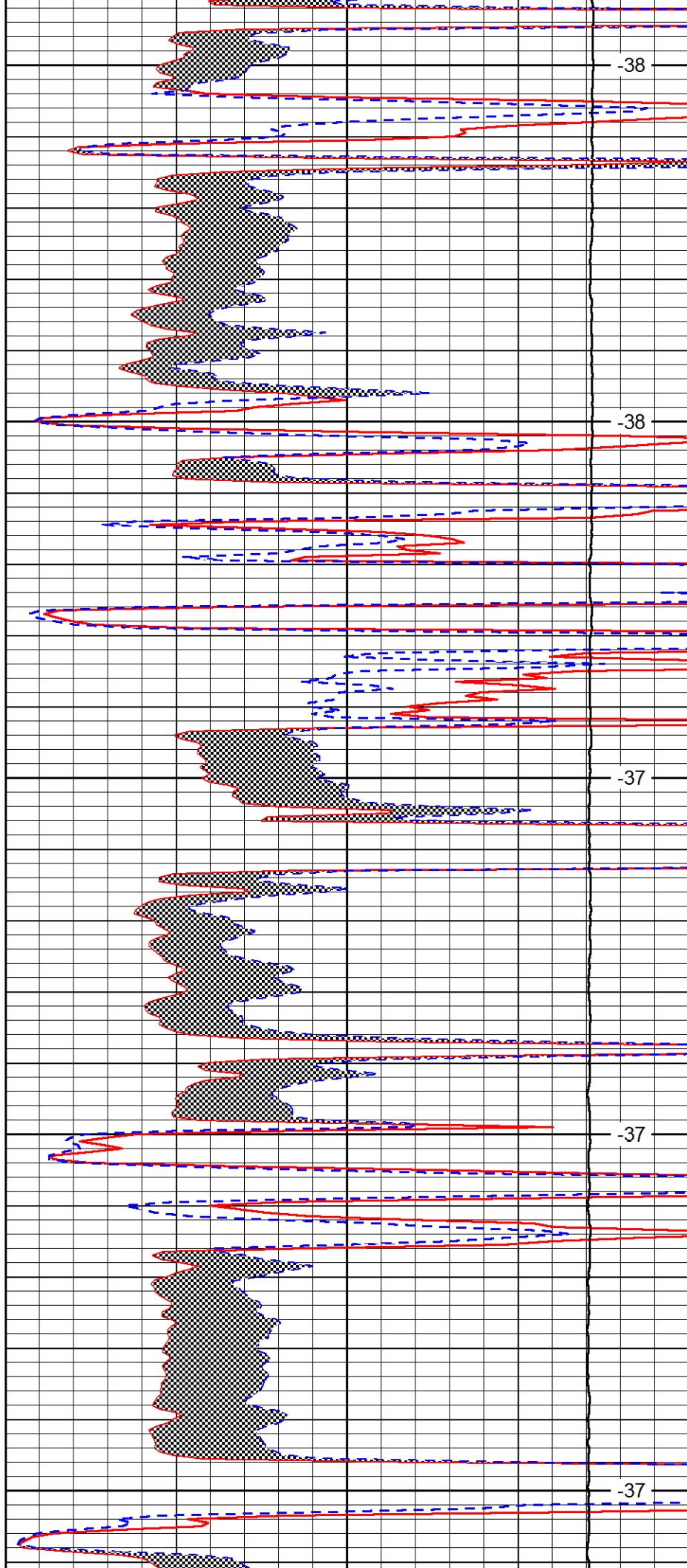
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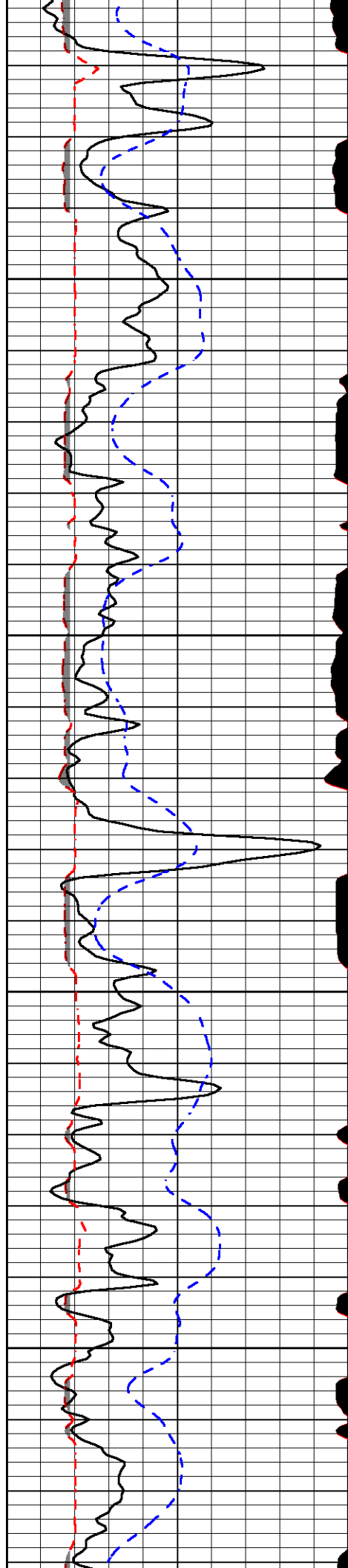
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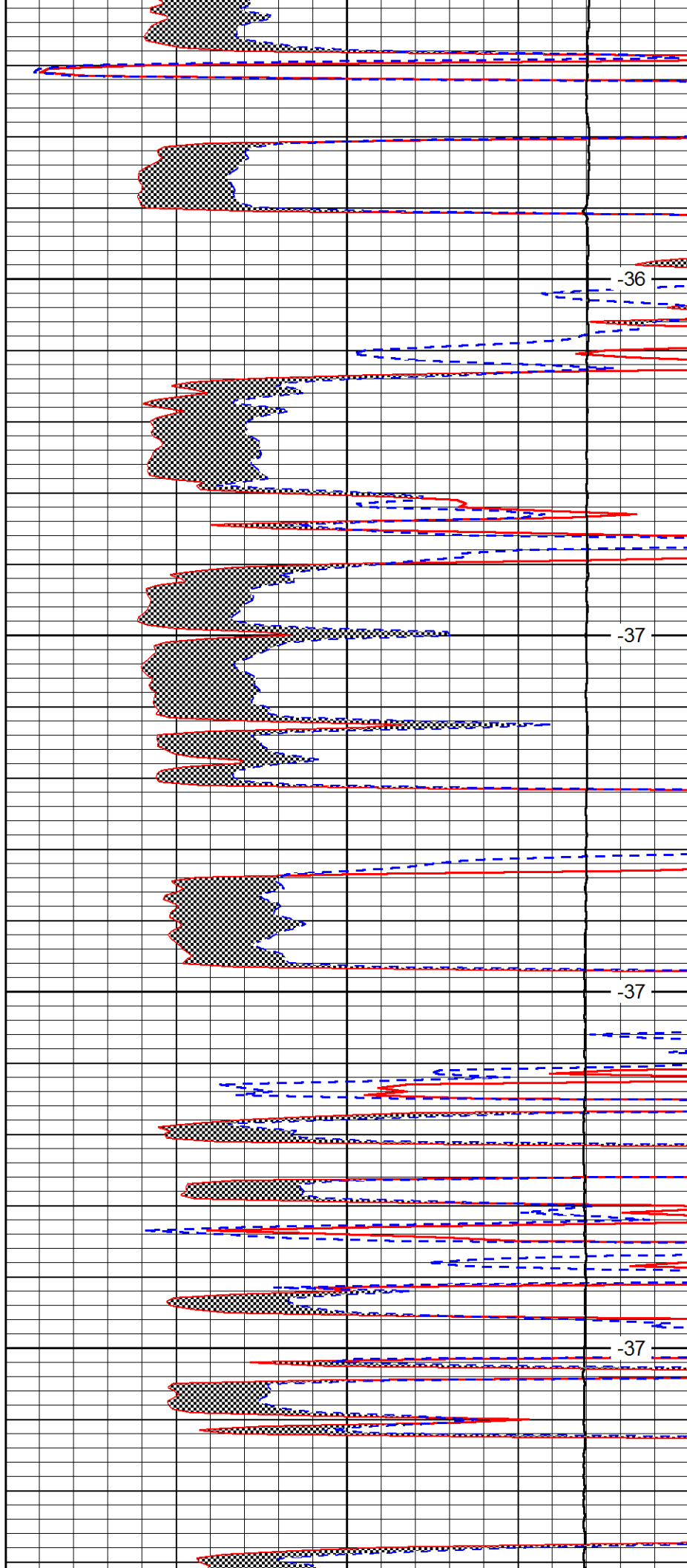


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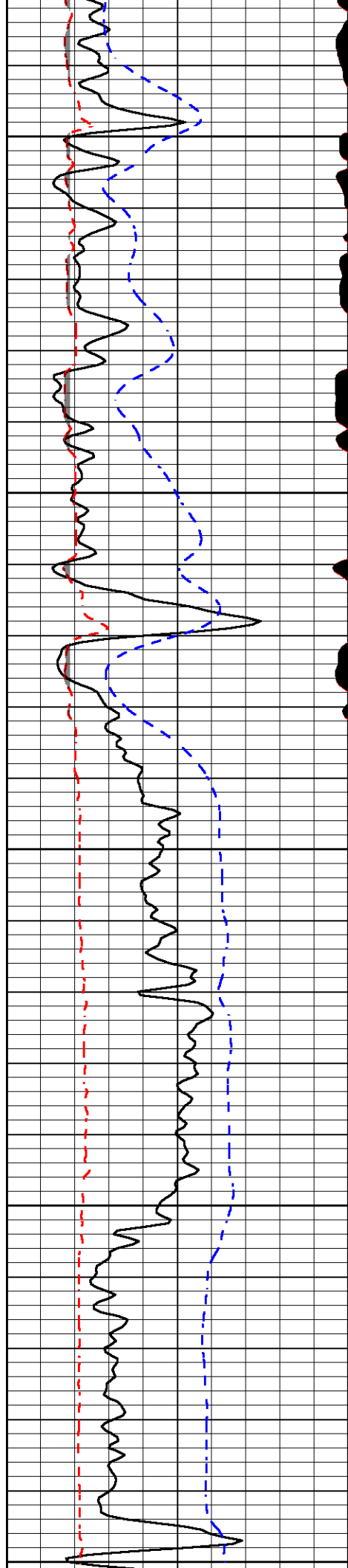


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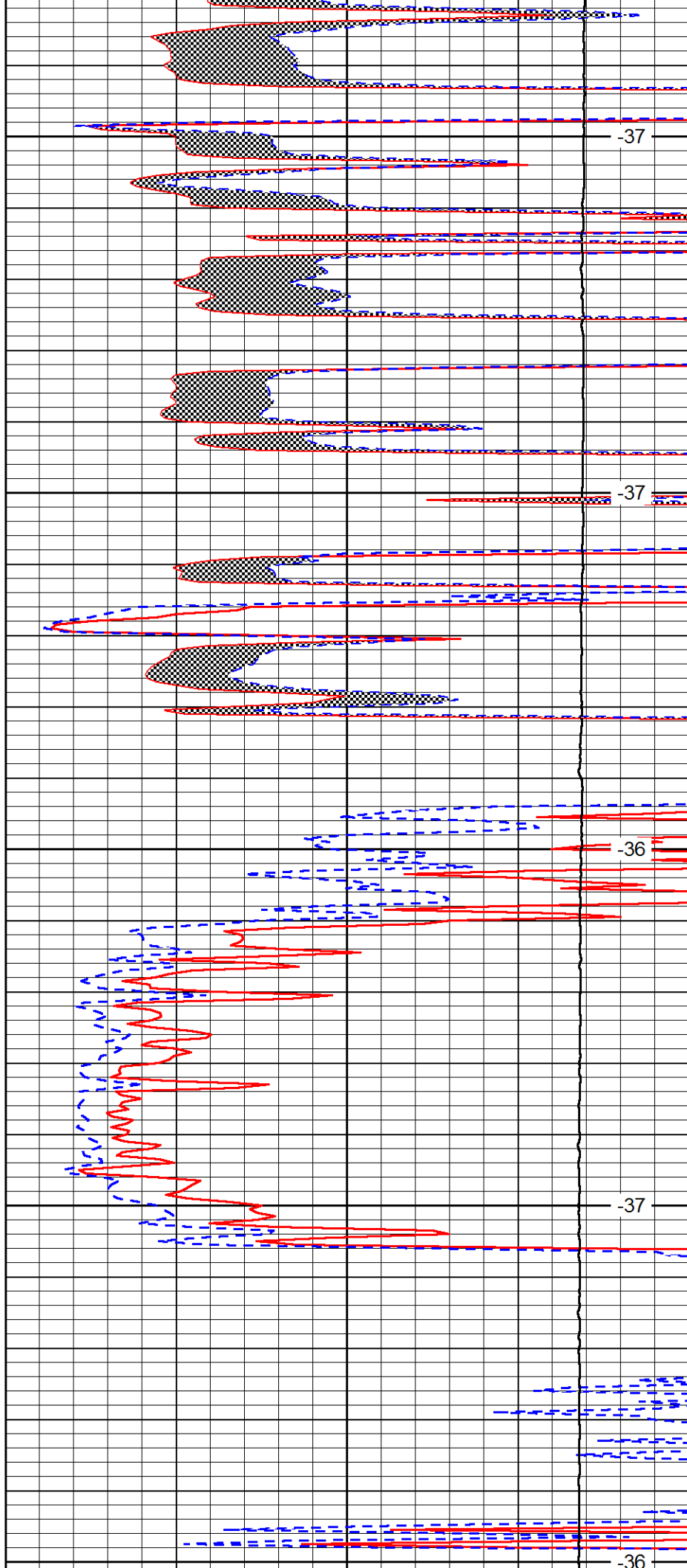
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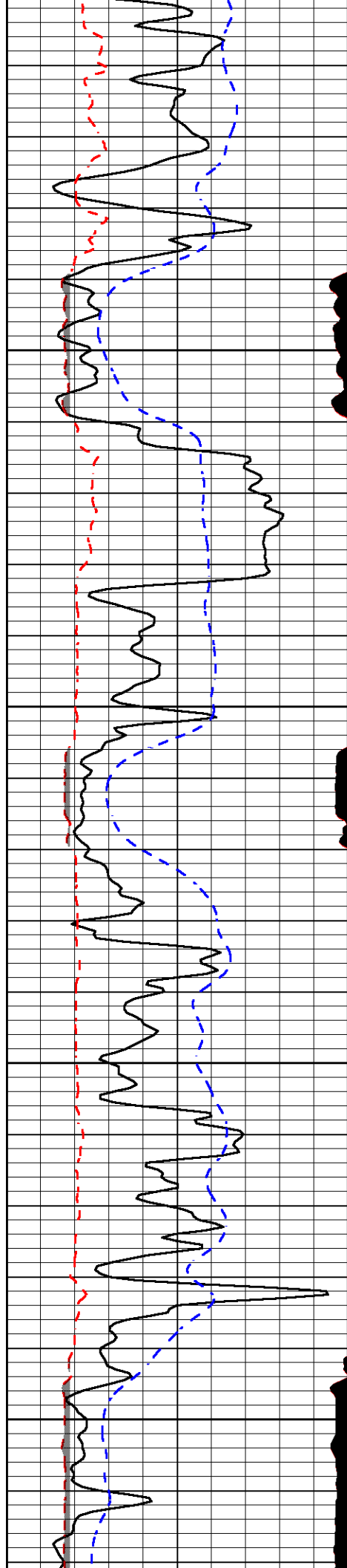
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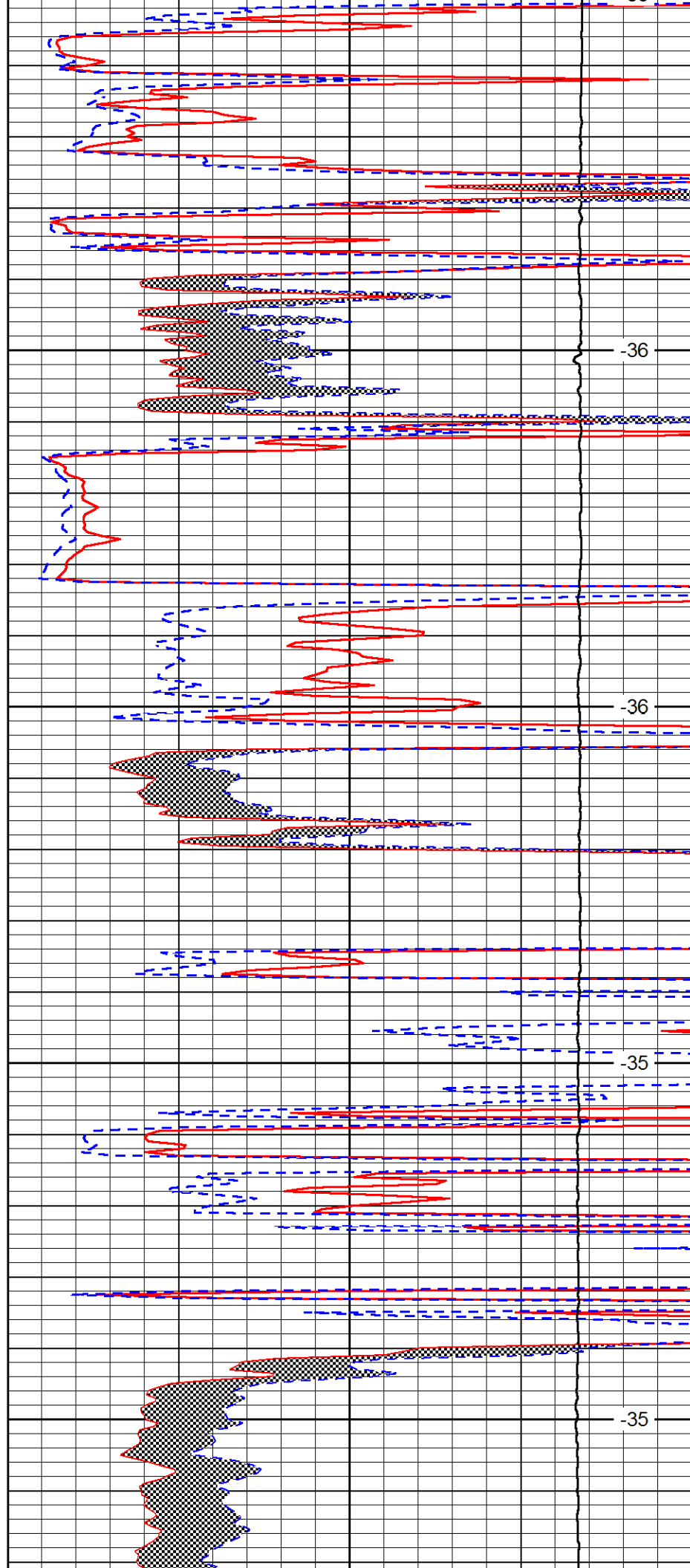


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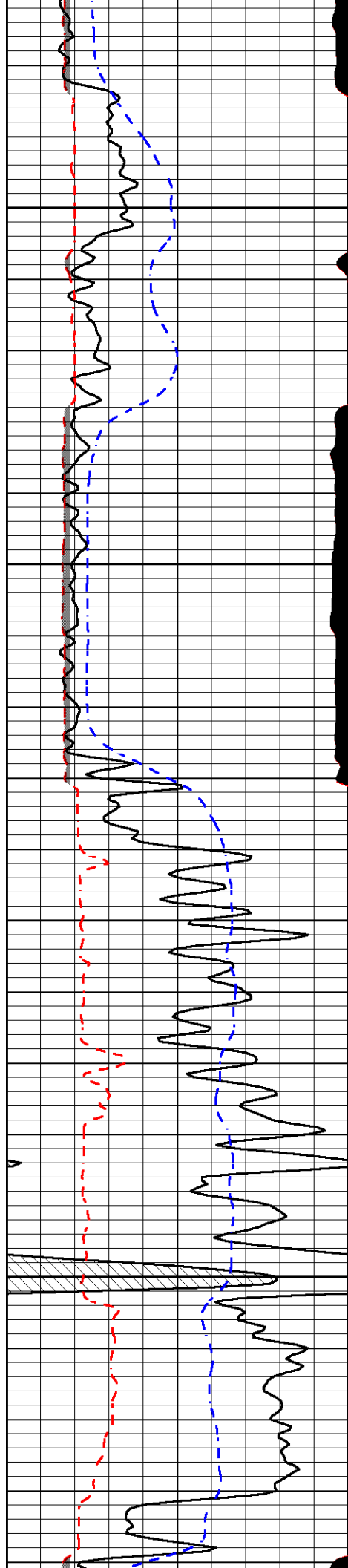


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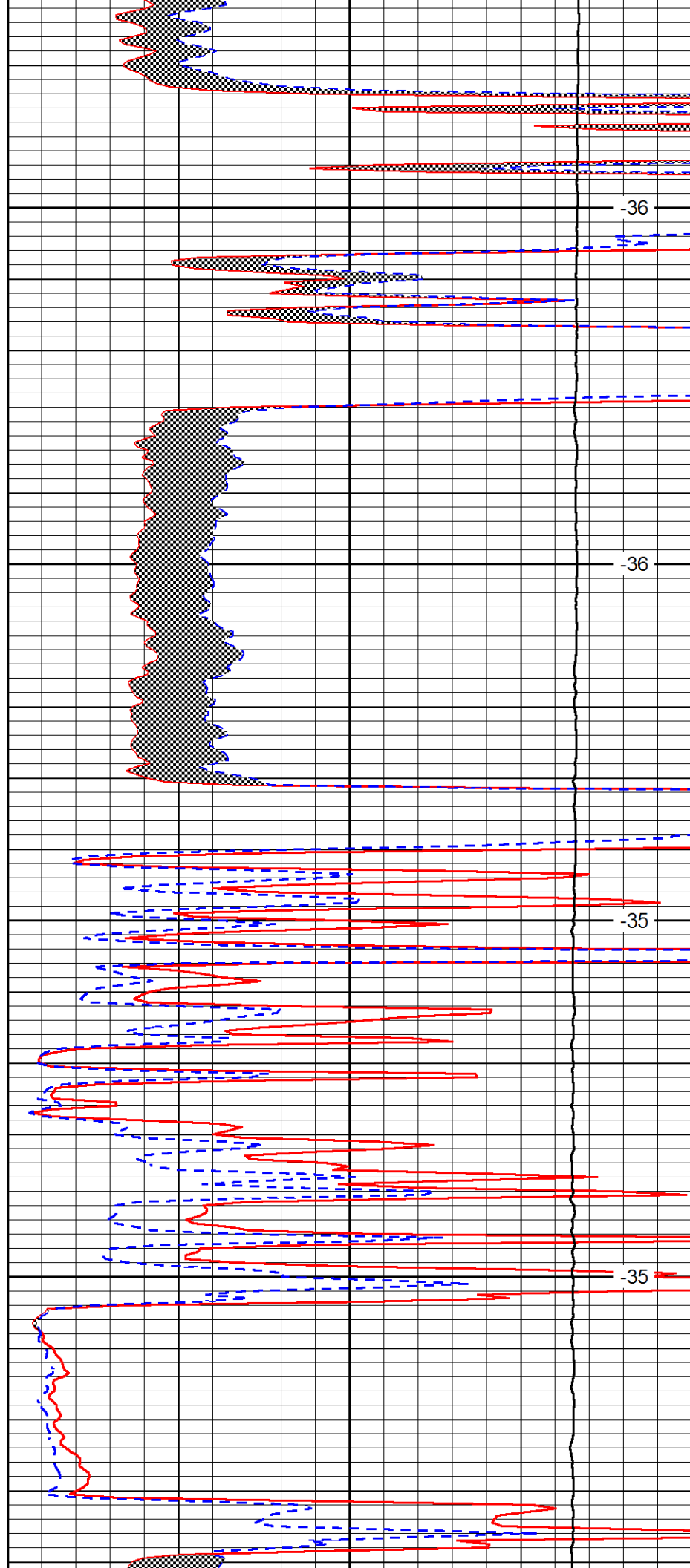


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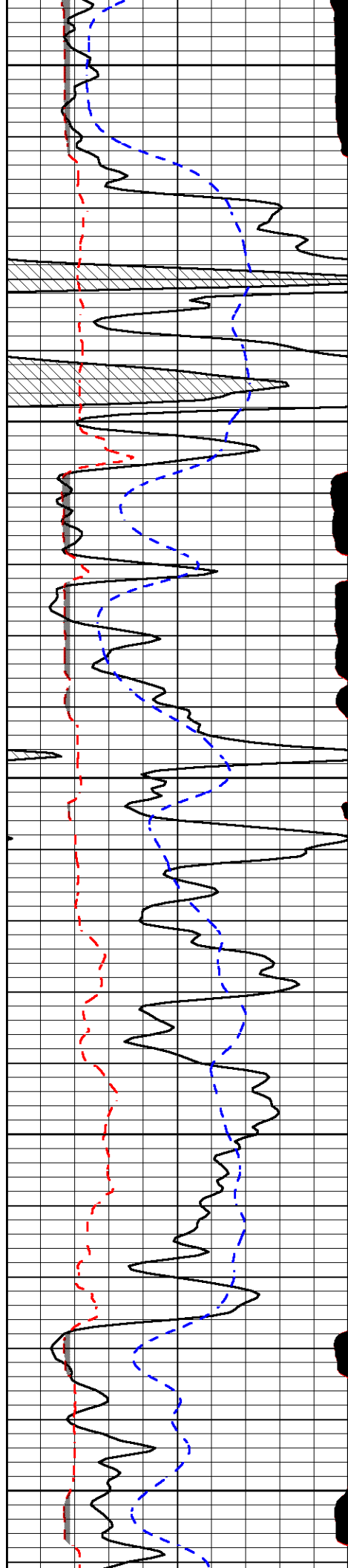


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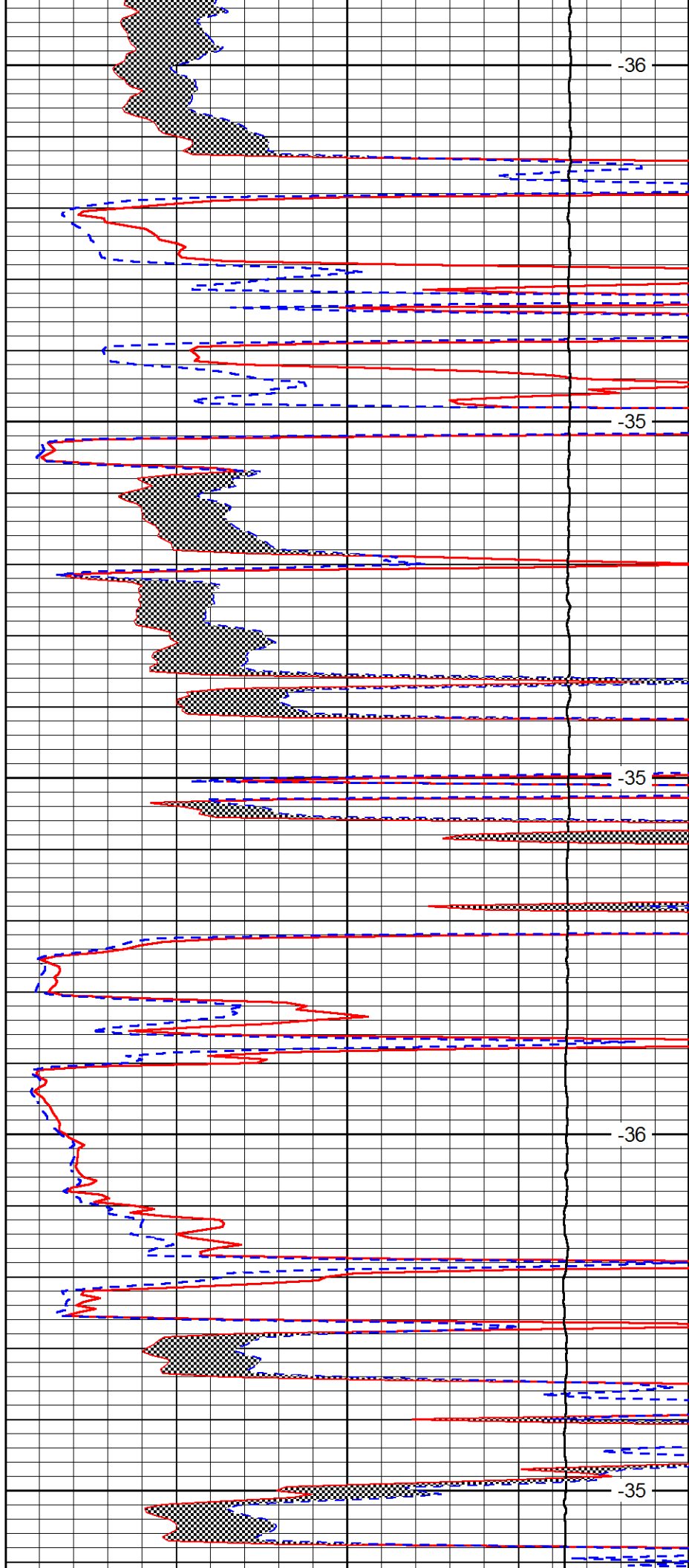
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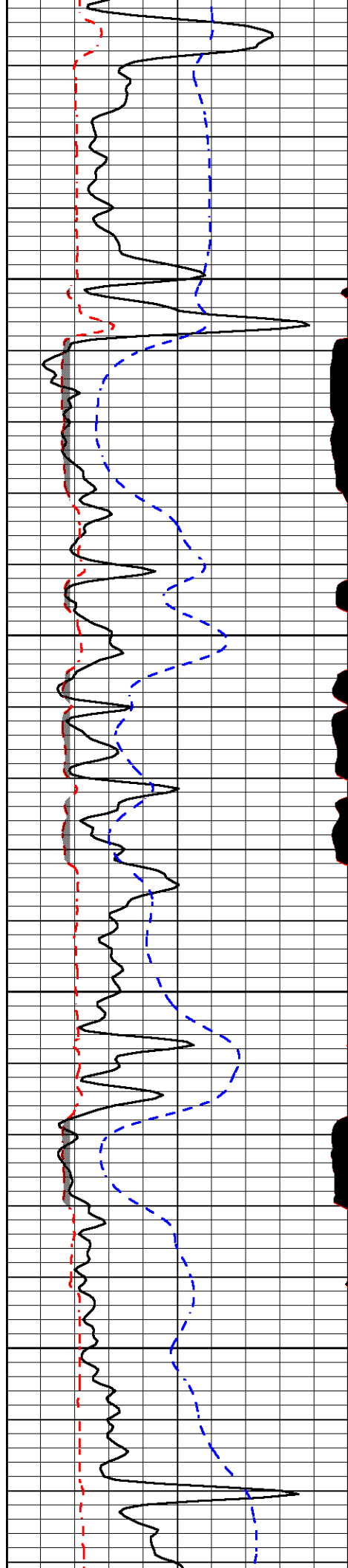
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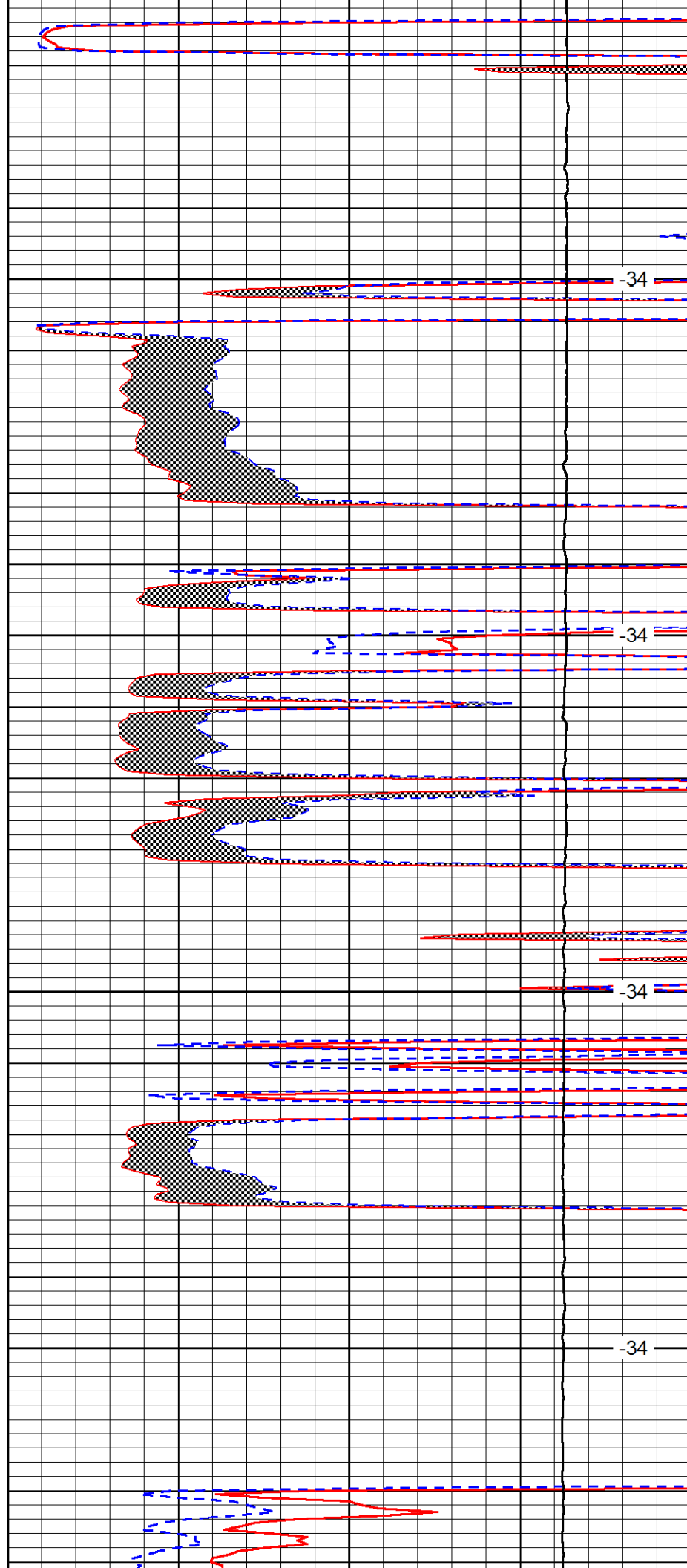


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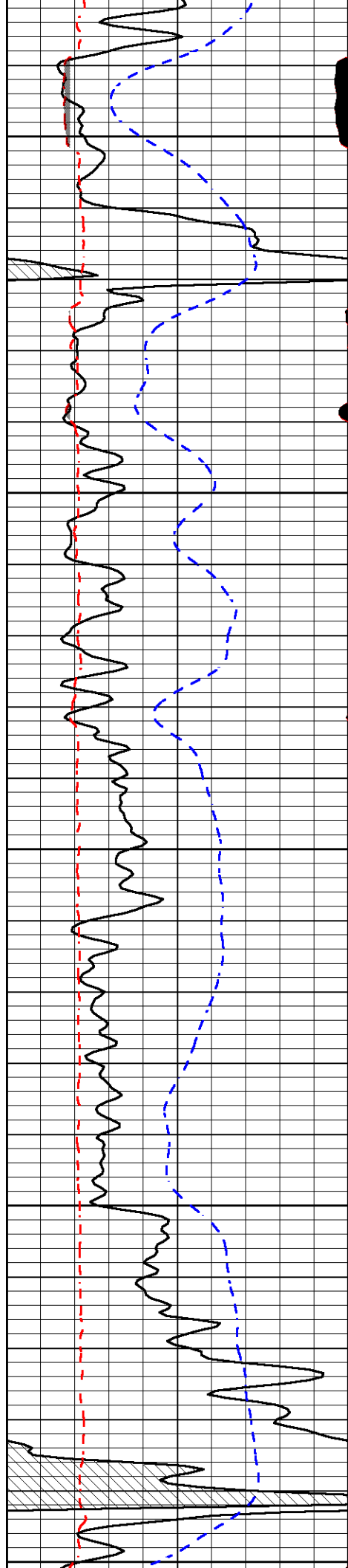


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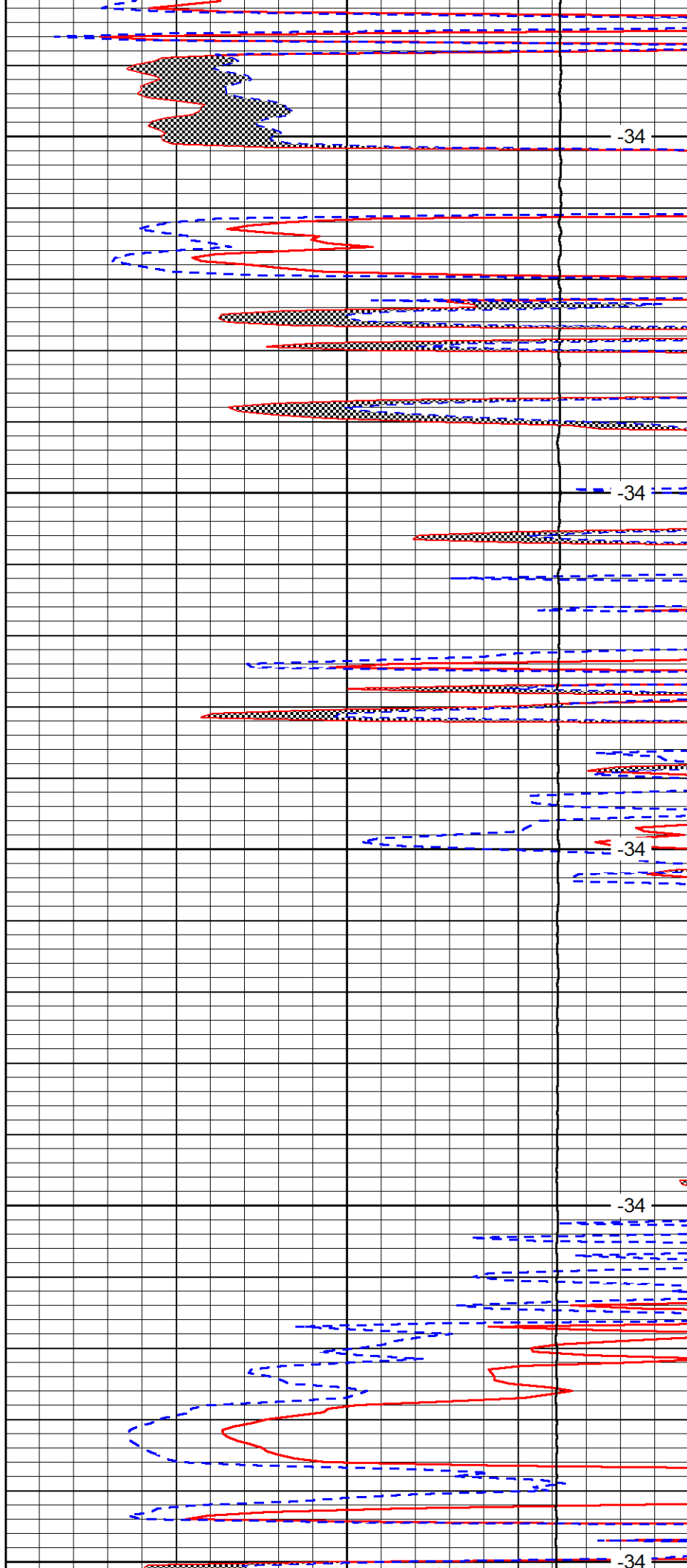
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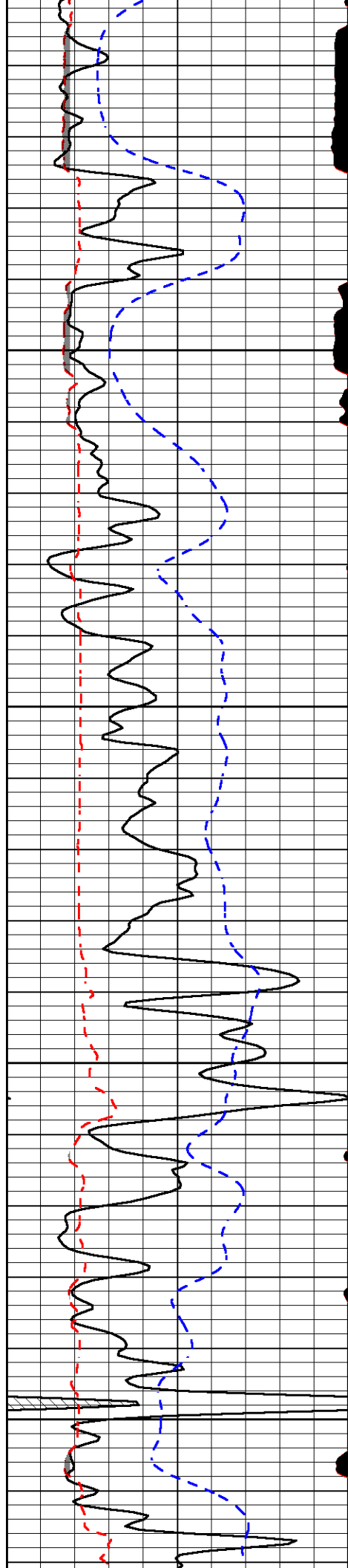
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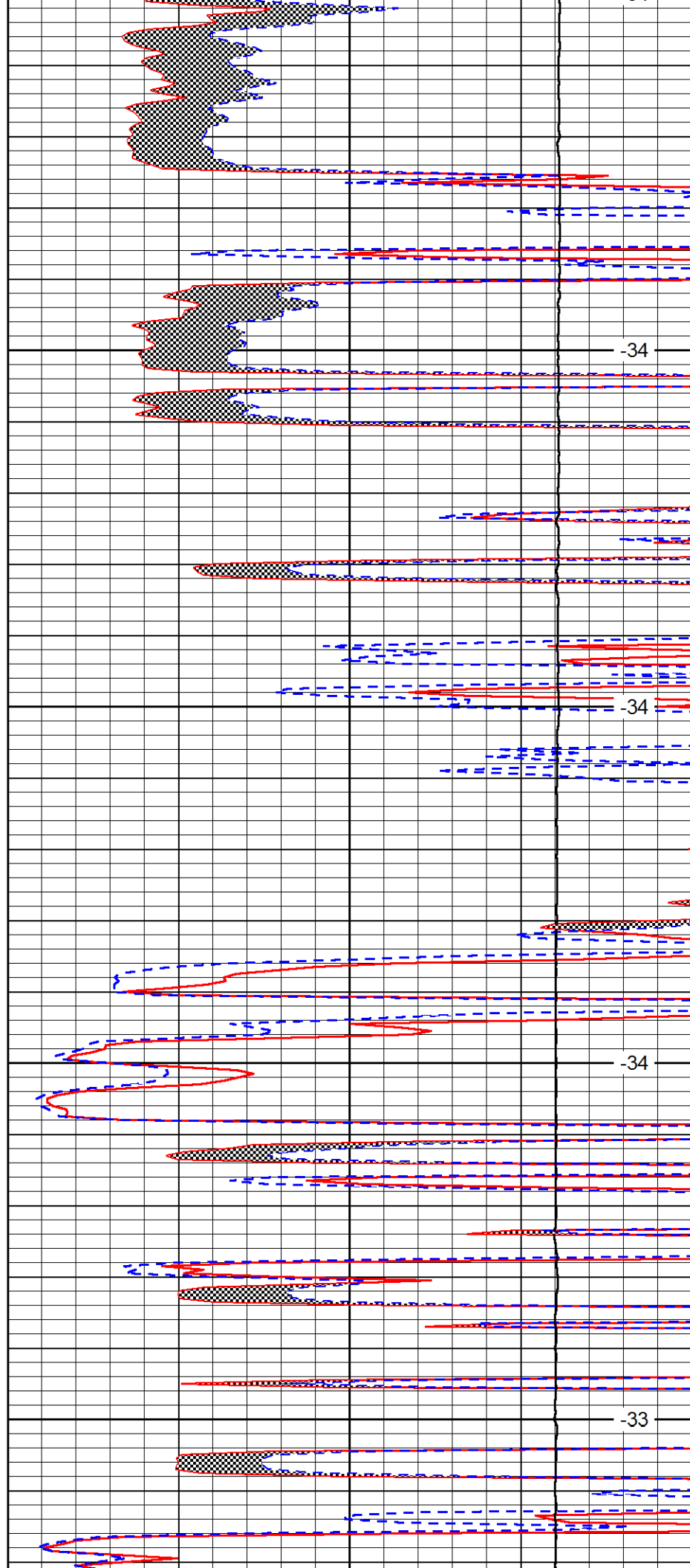


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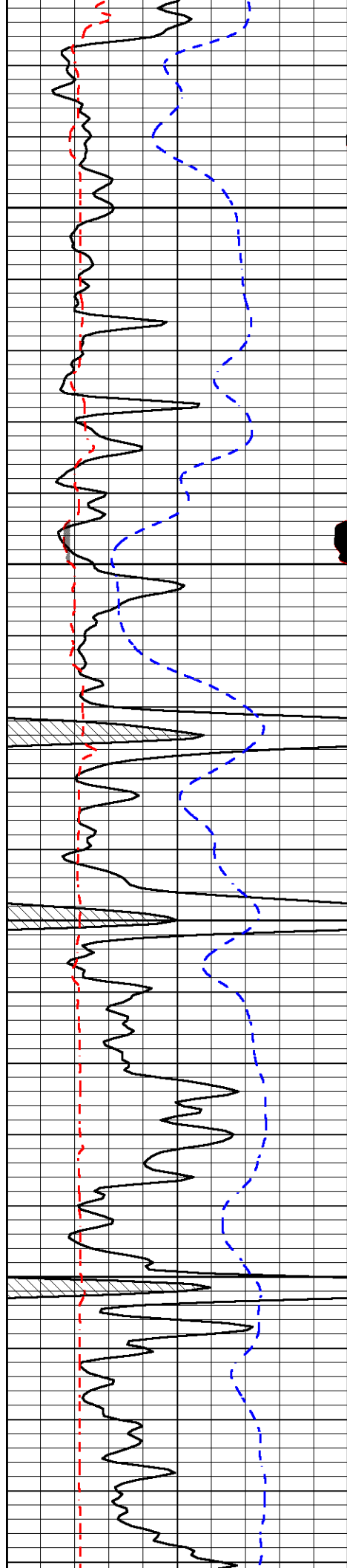


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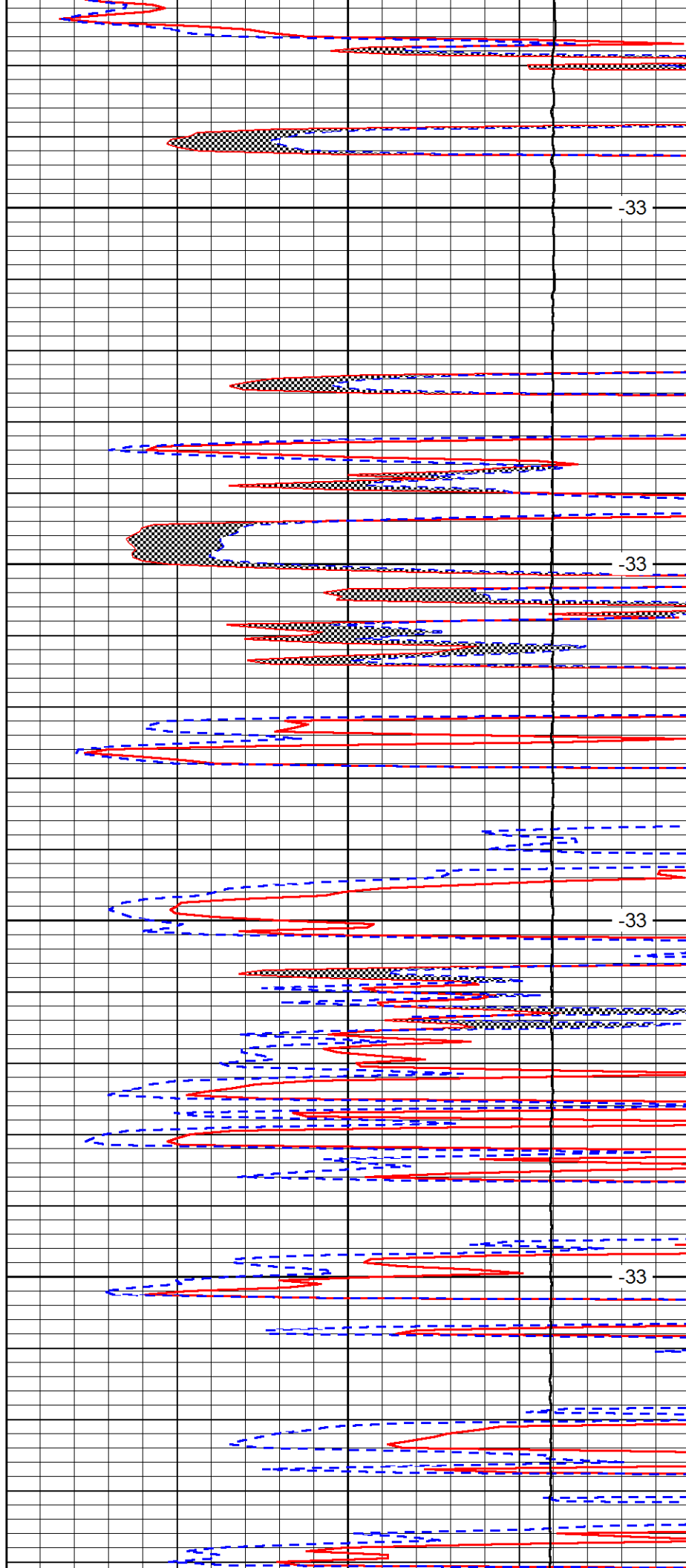


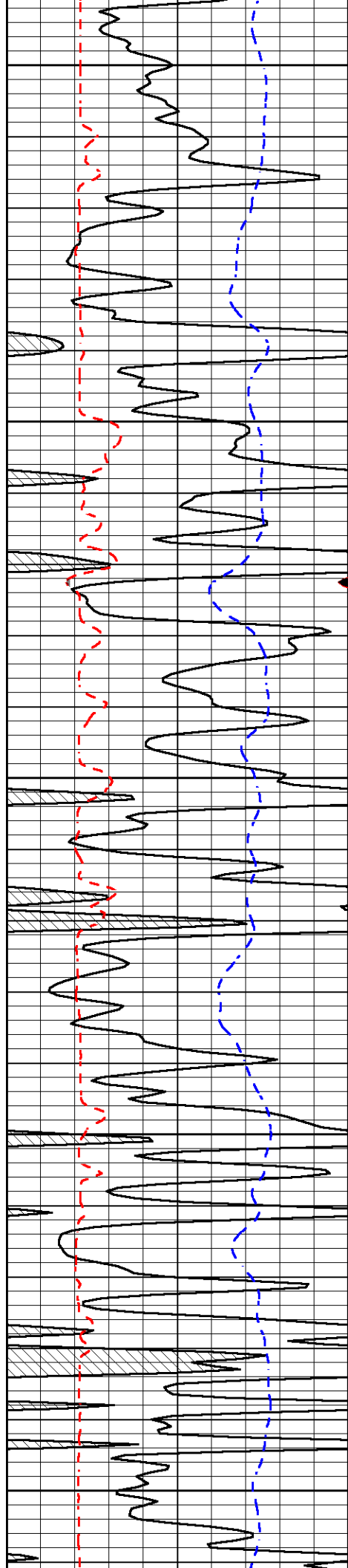
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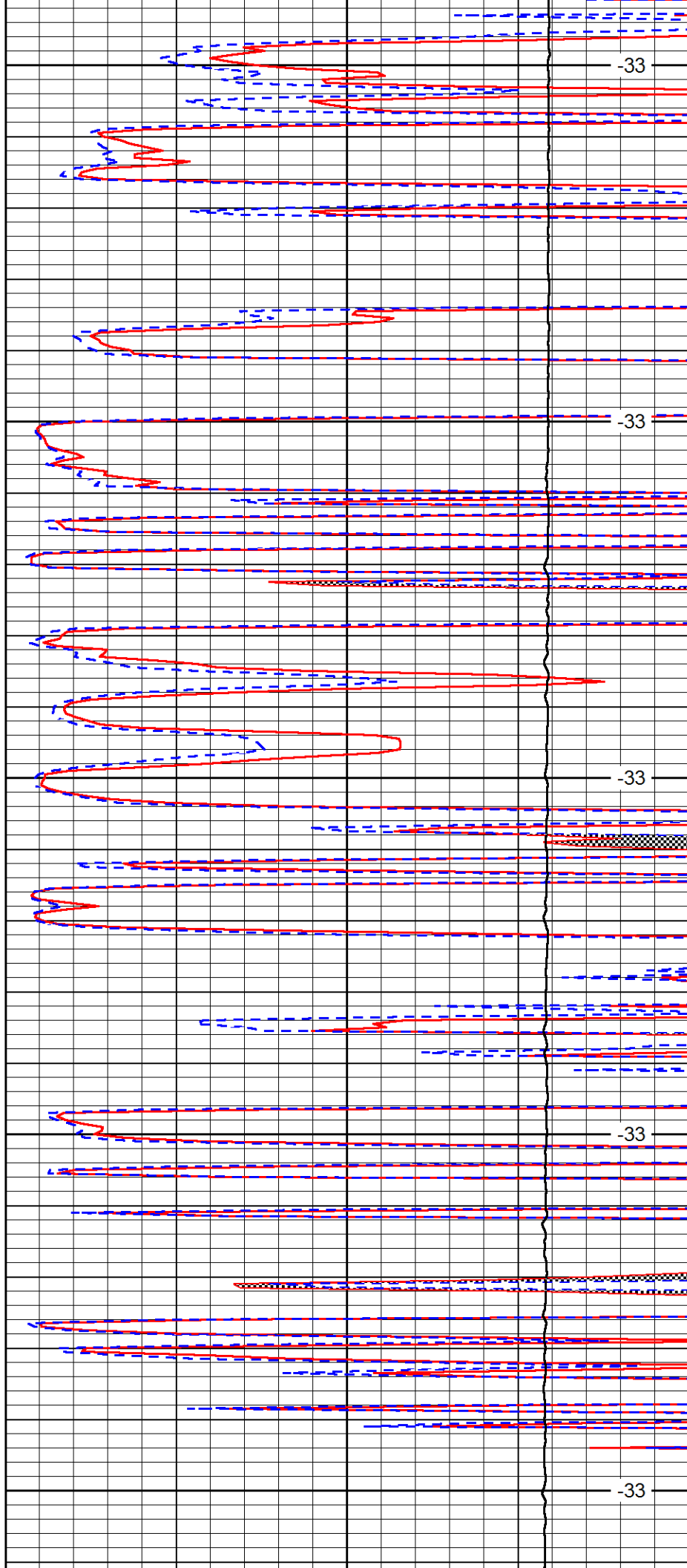
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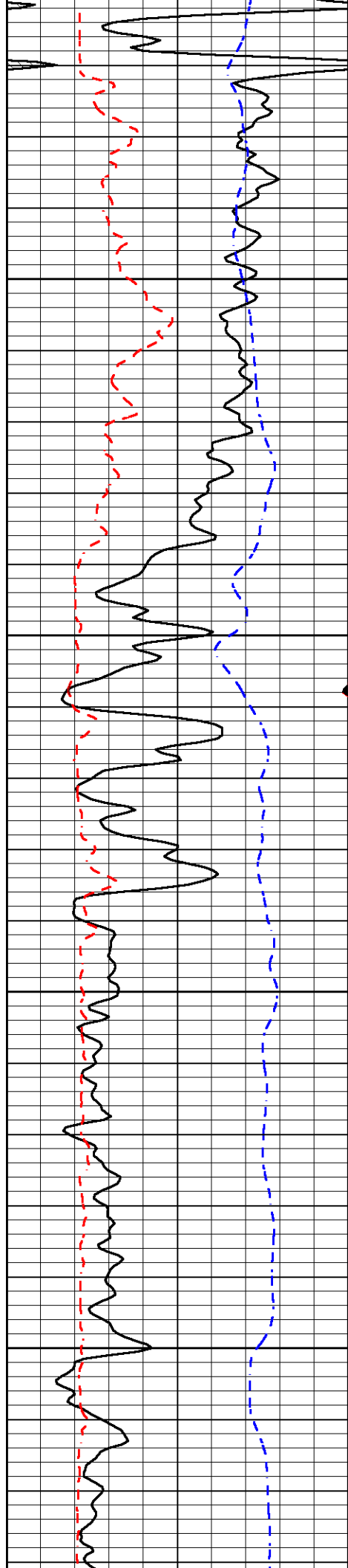
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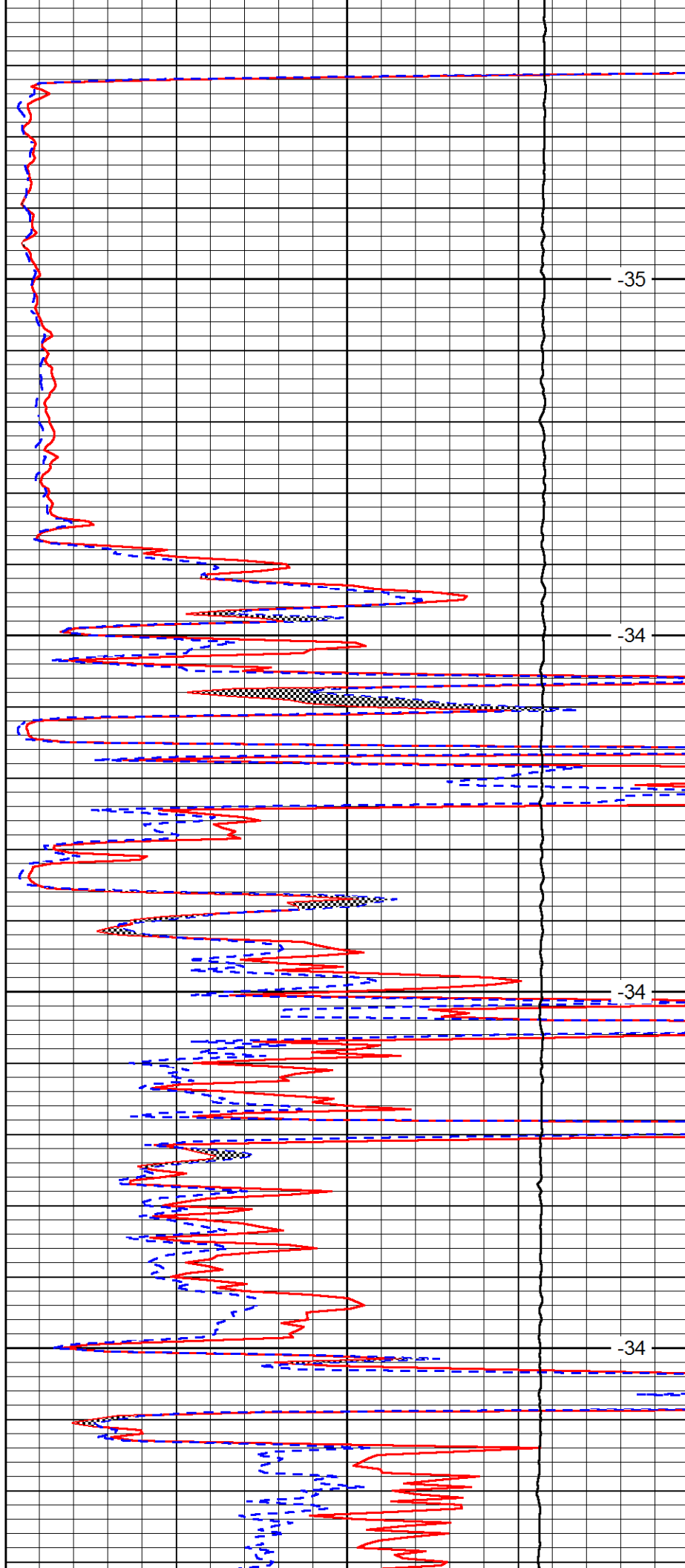


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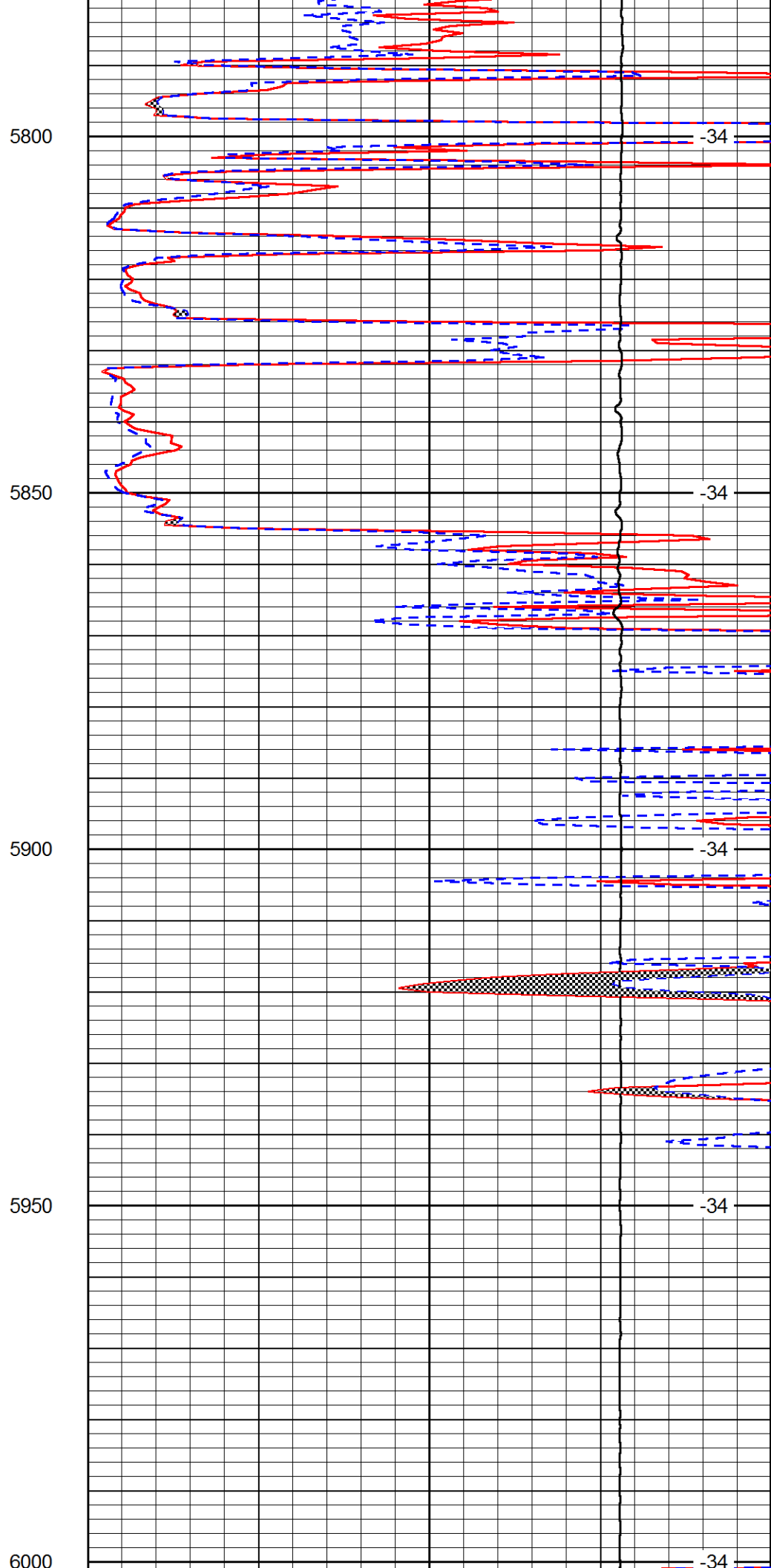
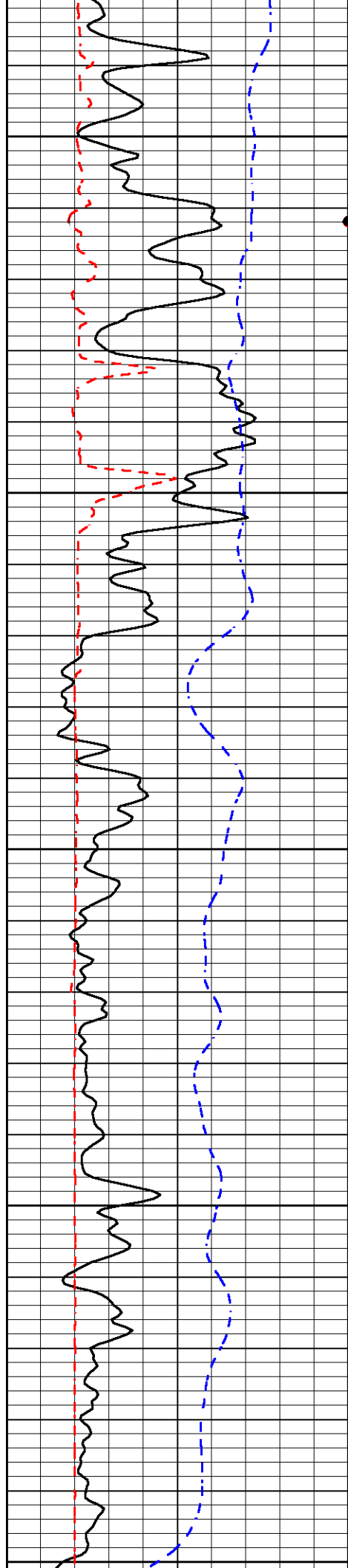


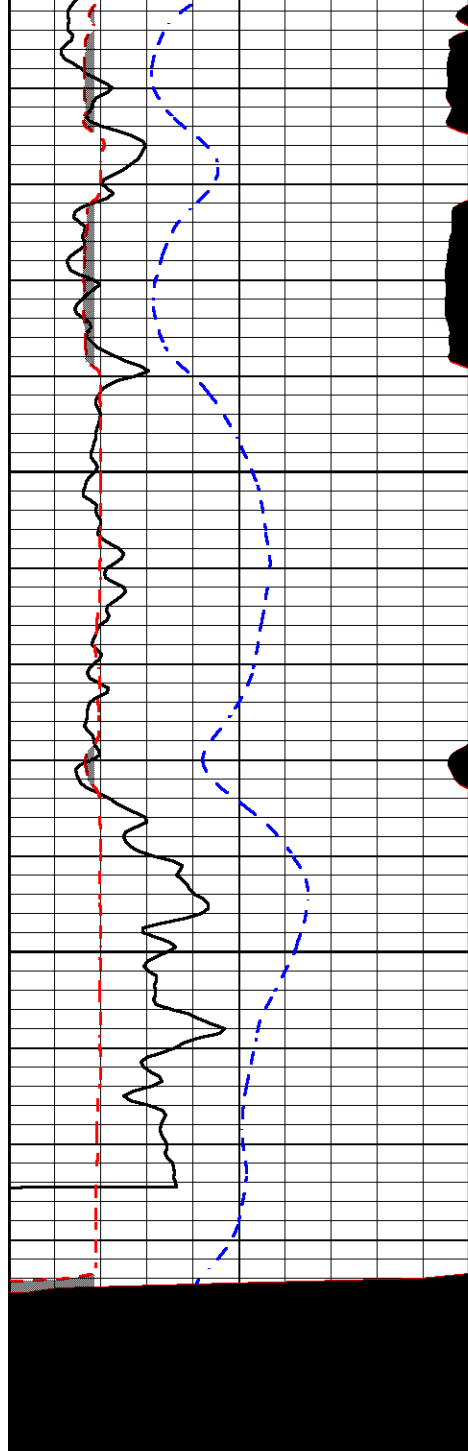
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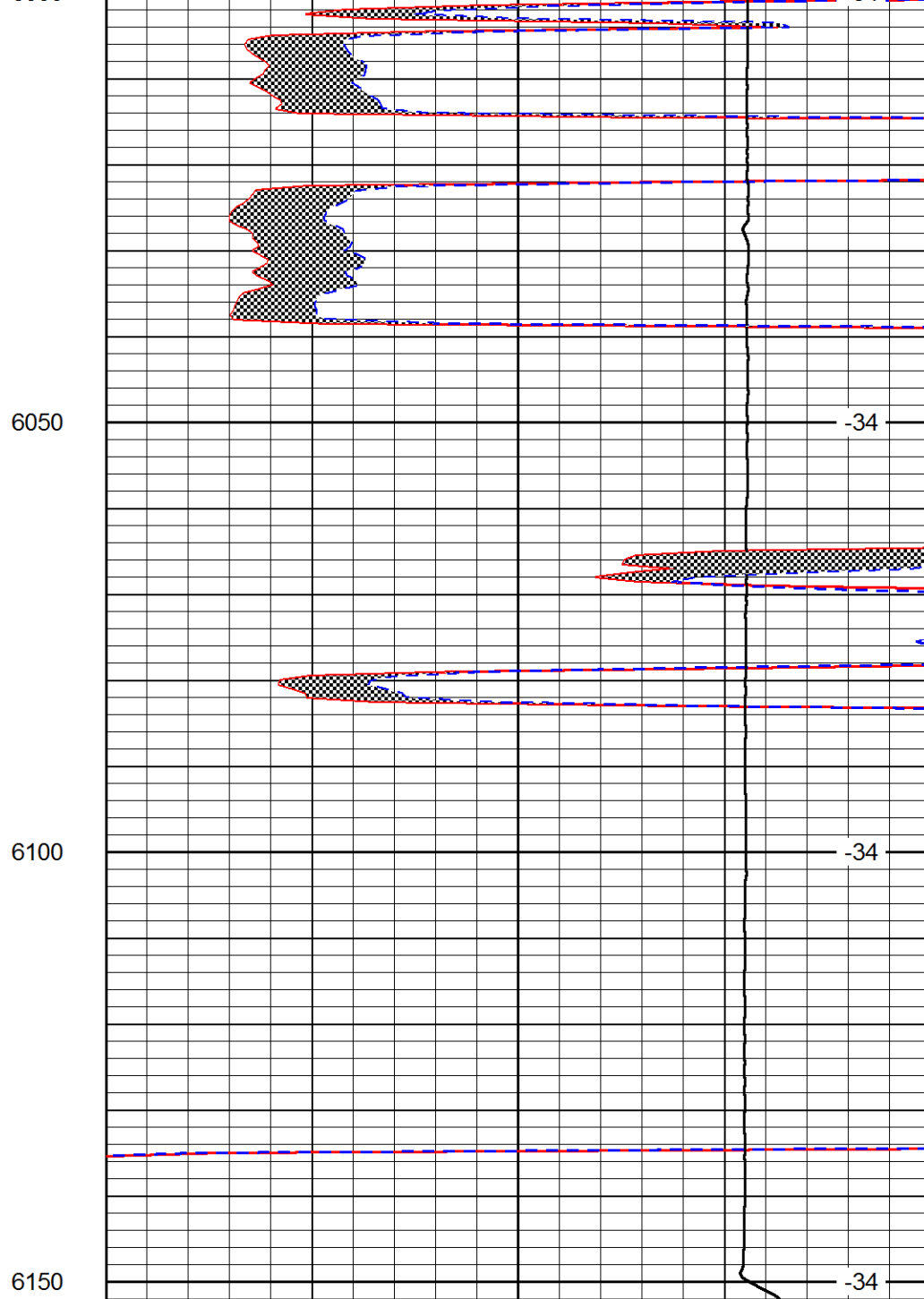
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0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



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

LSPD
(ft/min)