



Pioneer Energy Services

Microresistivity Log

API No.		Company Palmer Oil, Inc.	
15-189-22,828-00-00		Well Willis #23-6	
Field Willis		County Stevens State Kansas	
Location 2100' FNL & 1400' FEL		Other Services CNL/CDL DIL	
Sec: 23 Twp: 32S Rge: 37W		Elevation	
Permanent Datum Ground Level		K.B. 3118	
Log Measured From Kelly Bushing		D.F. 3105	
Drilling Measured From Kelly Bushing		G.L. 3105	
Date	1/11/2014		
Run Number	Two		
Depth Driller	6500		
Depth Logger	6500		
Bottom Logged Interval	6499		
Top Log Interval	4600		
Casing Driller	8.625 @ 1755		
Casing Logger	1748		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2.000		
Density / Viscosity	9.4 60		
pH / Fluid Loss	8.5 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.4 @ 58		
Rmf @ Meas. Temp	1.05 @ 58		
Rmc @ Meas. Temp	1.89 @ 58		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.58 @ 141		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	141		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Wyatt Urban		

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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.

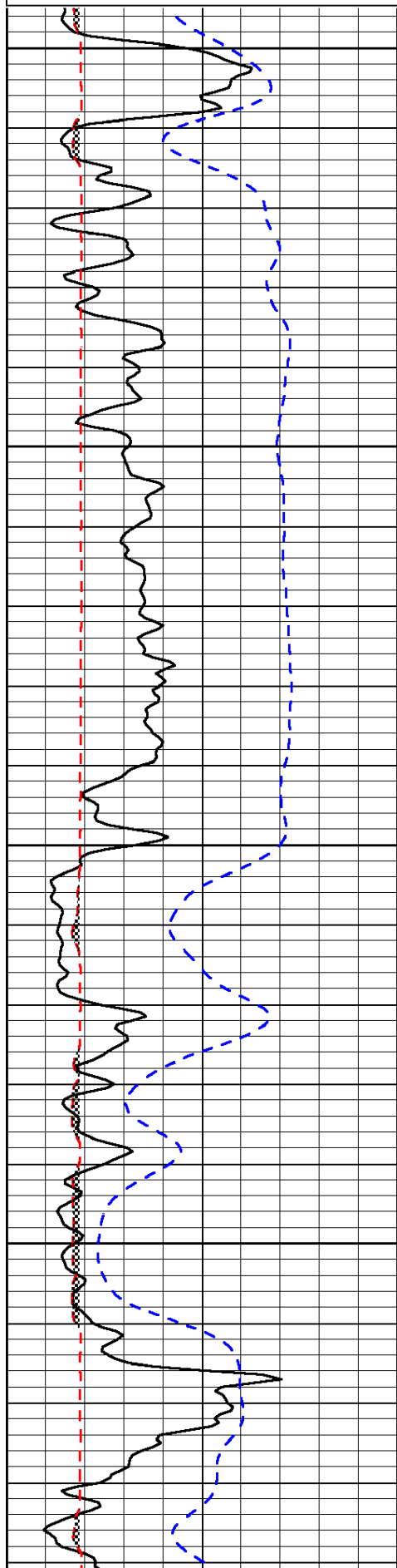
Comments

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

Moscow KS, S to U Rd,
1 W to 15 Rd, 1/4 S, W S W Into

Database File: c:\warrior\data\palmer_willis #23-6\palmhd.db
Dataset Pathname: dil/palmstk
Presentation Format: micro
Dataset Creation: Sat Jan 11 18:51:19 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



4600

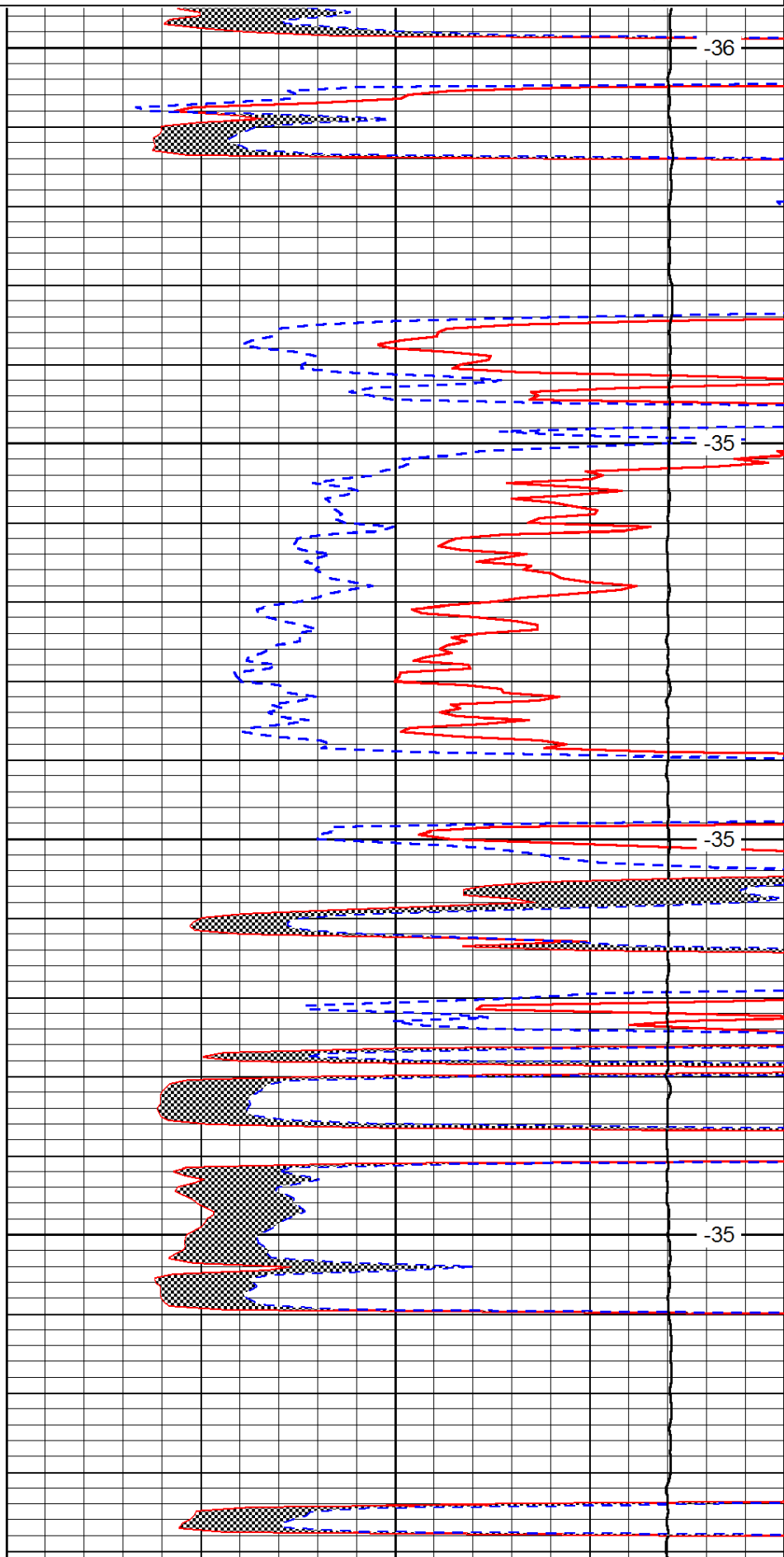
4650

4700

4750

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD

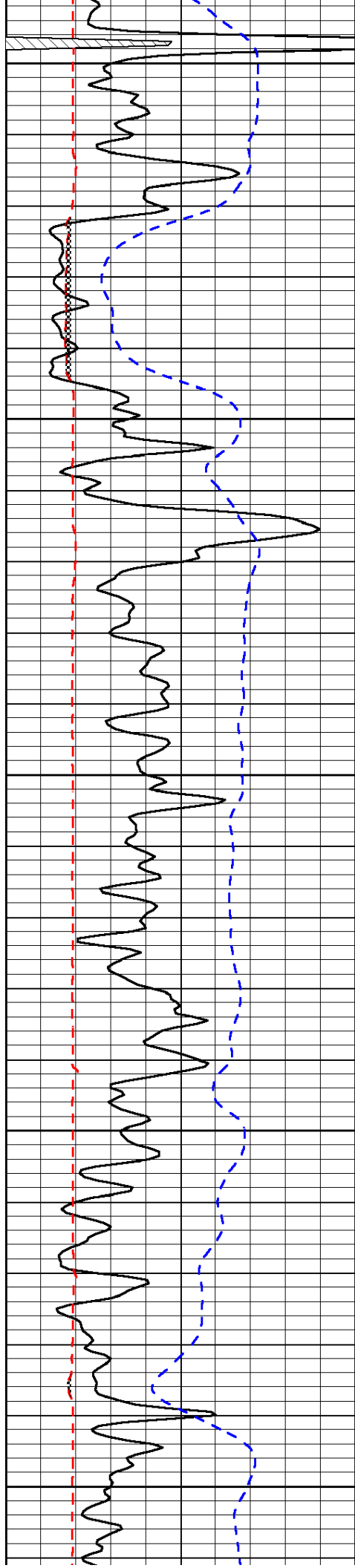


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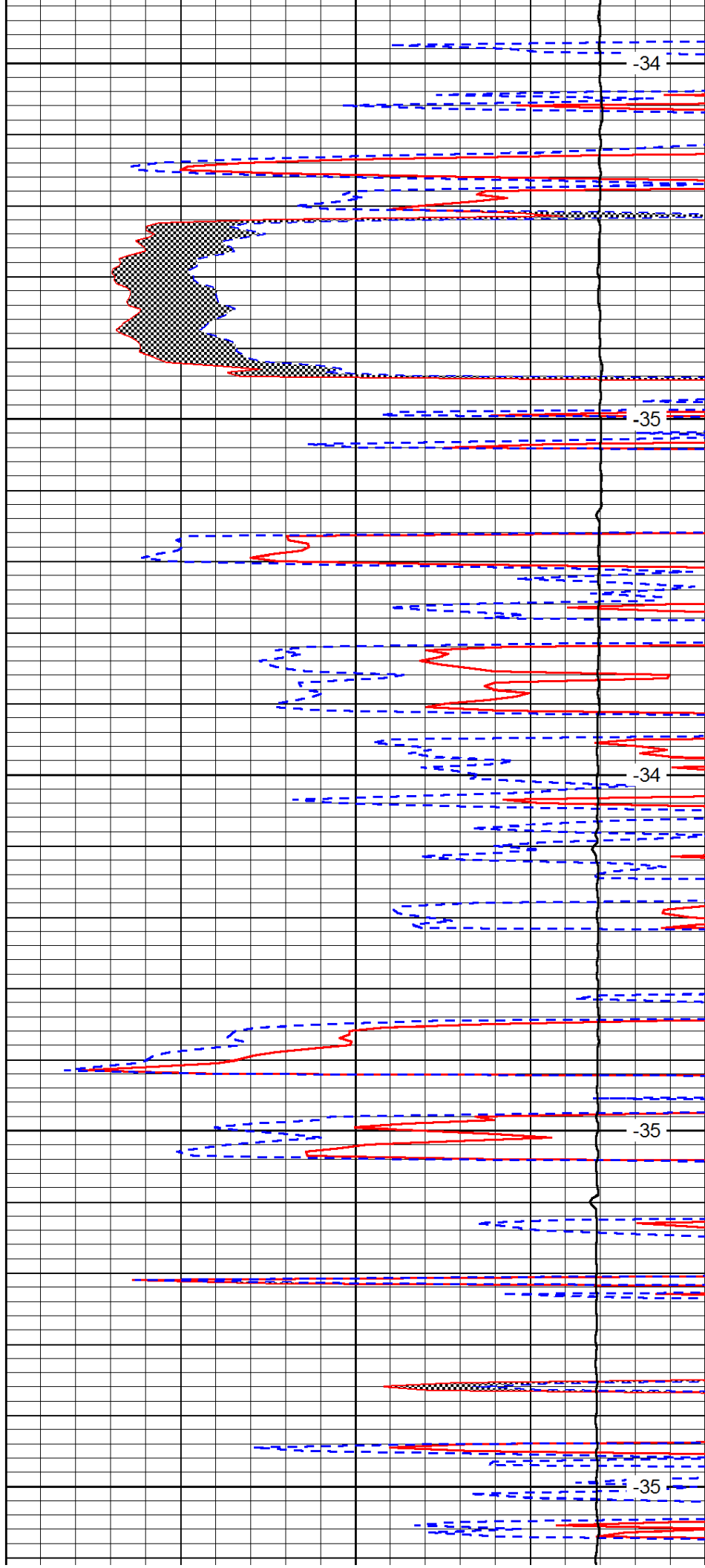
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4850

4900

4950

5000



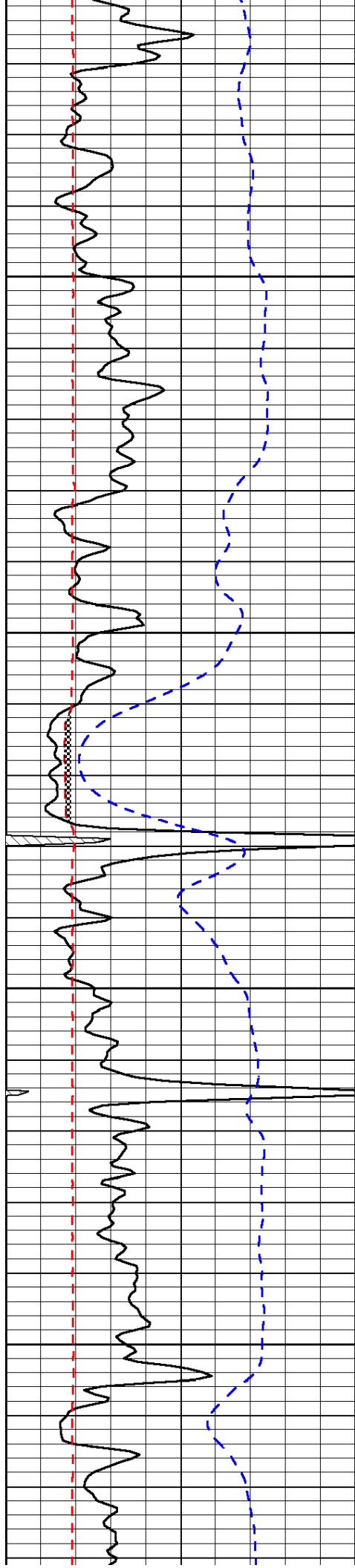
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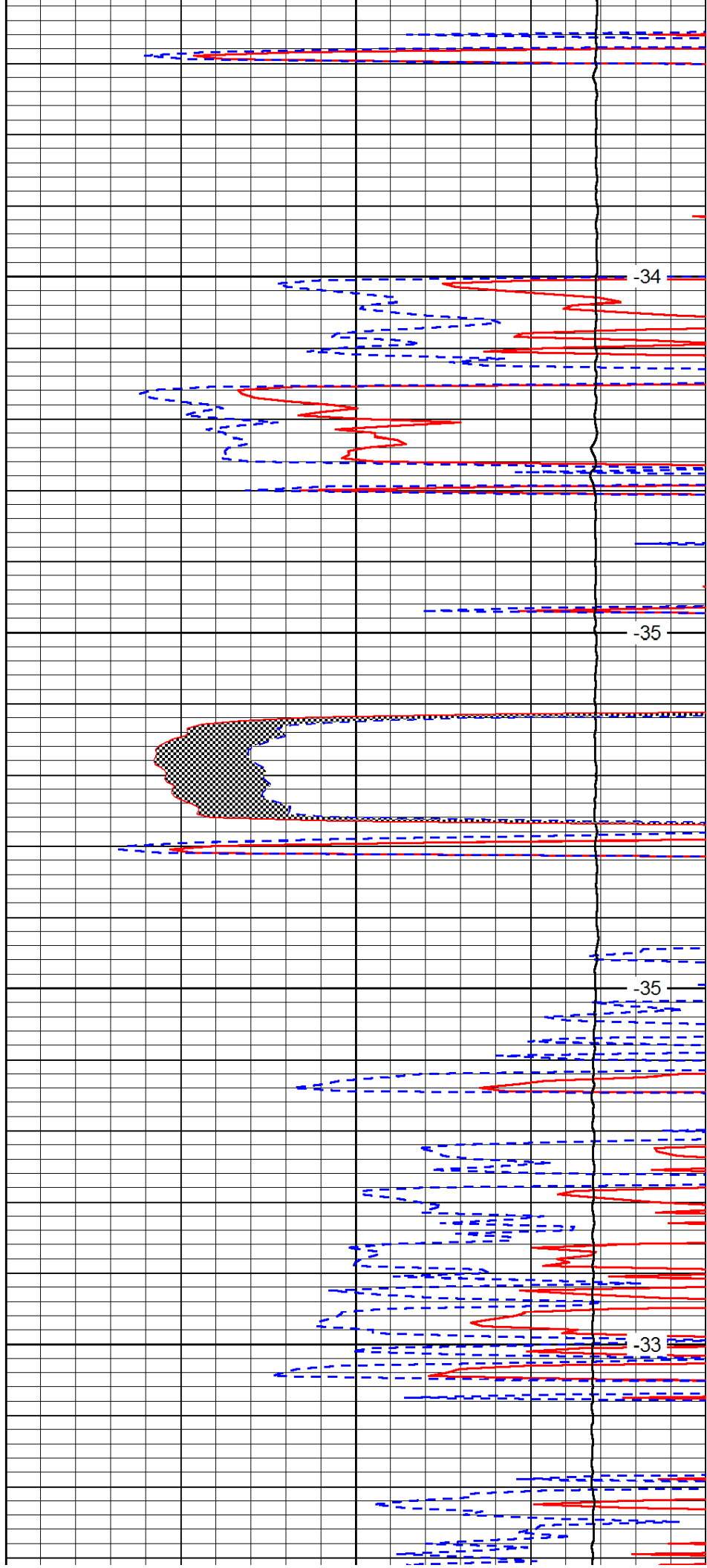


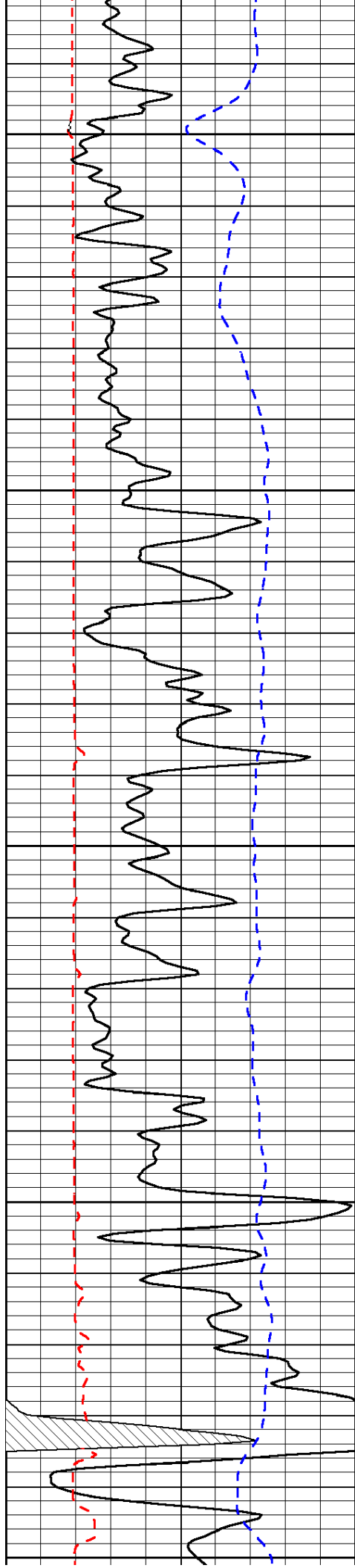
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5100

5150

5200





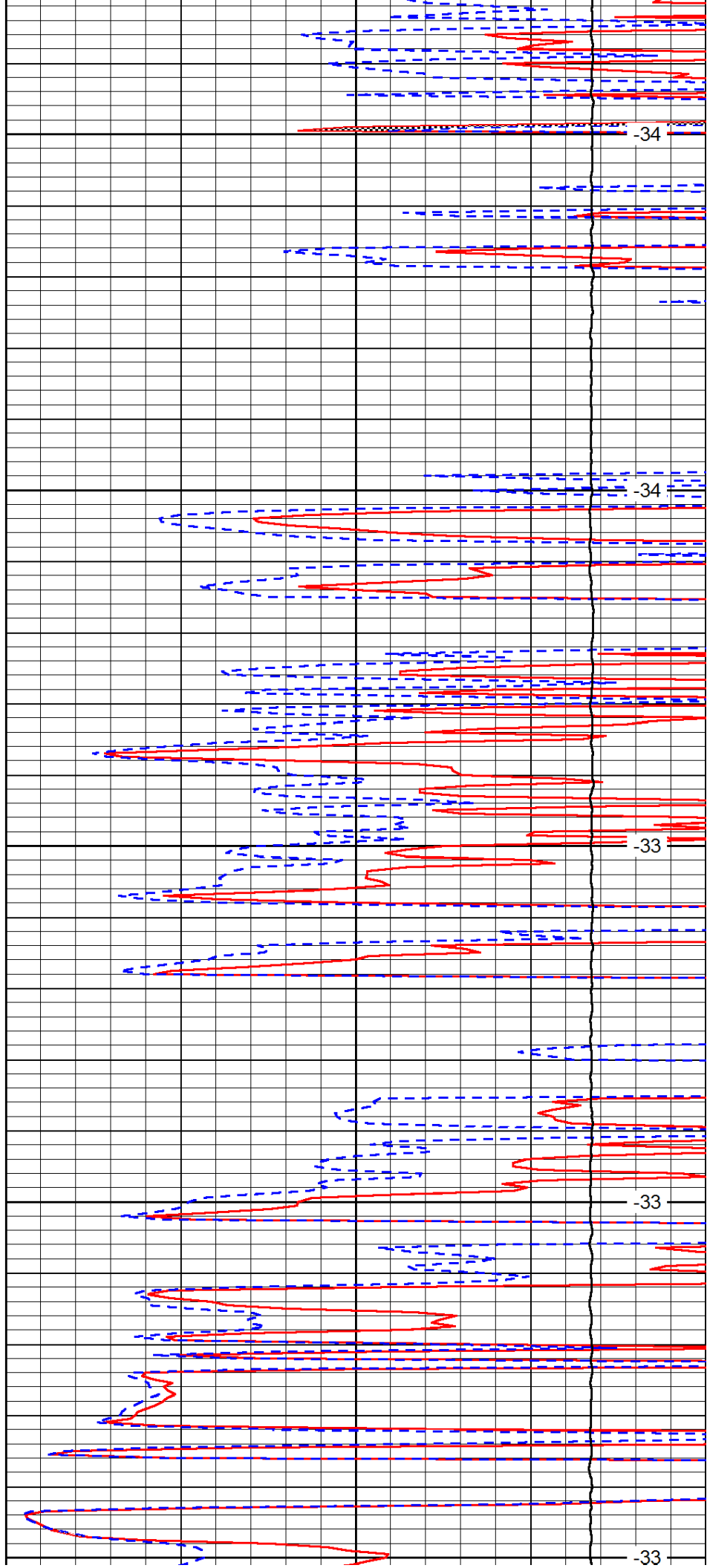
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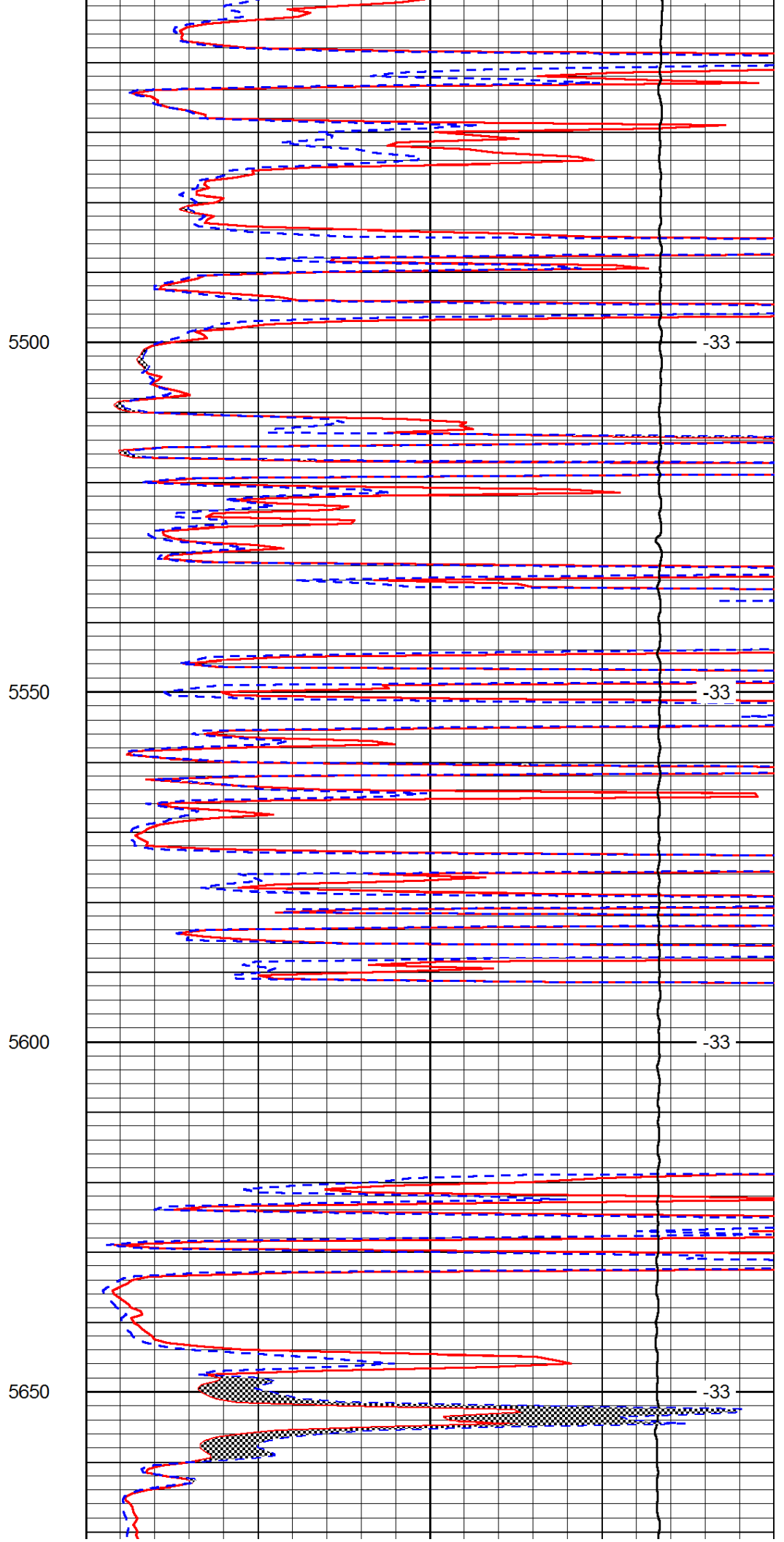
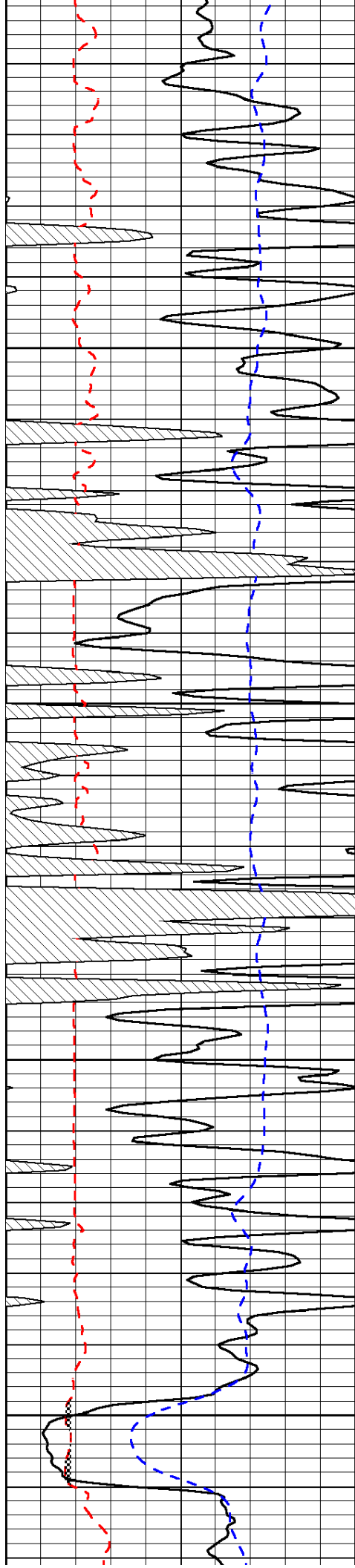
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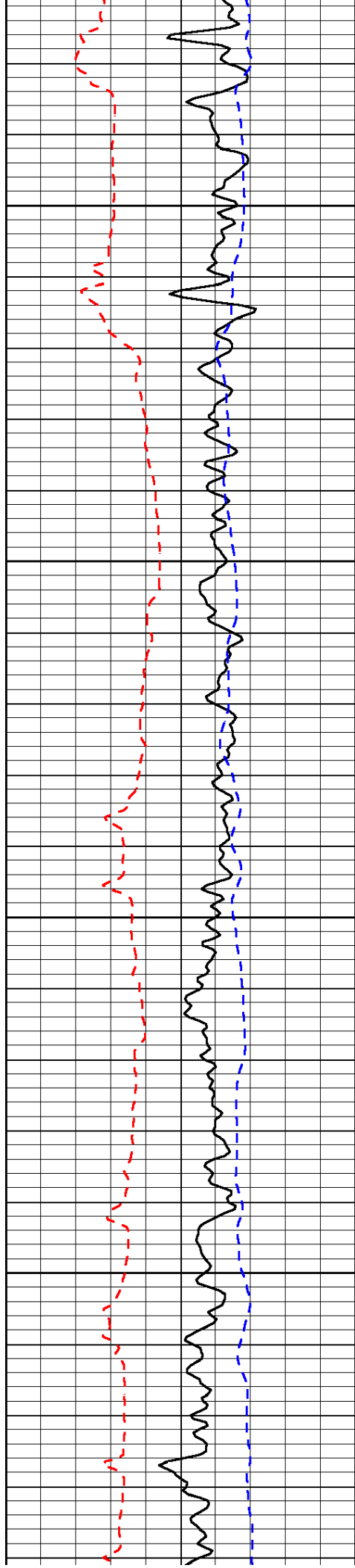
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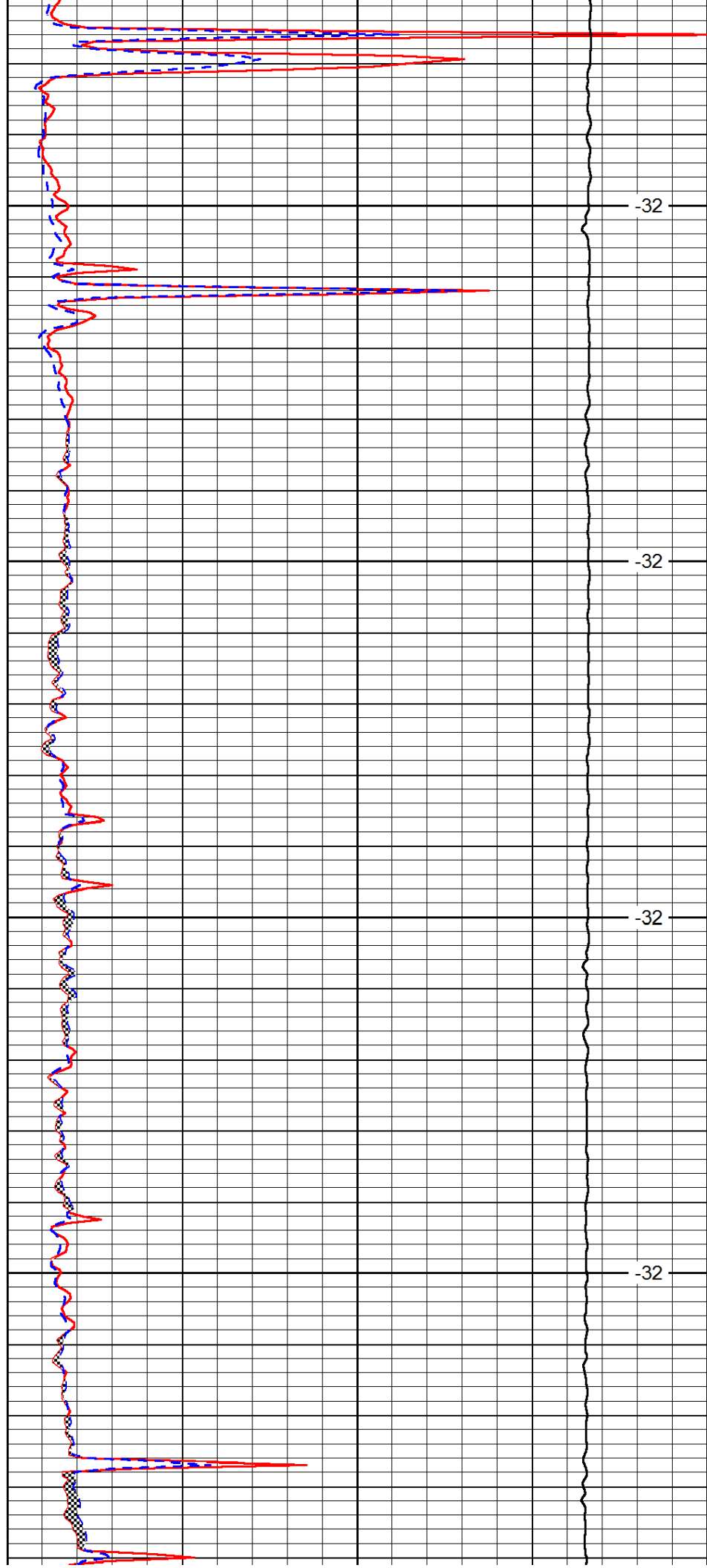


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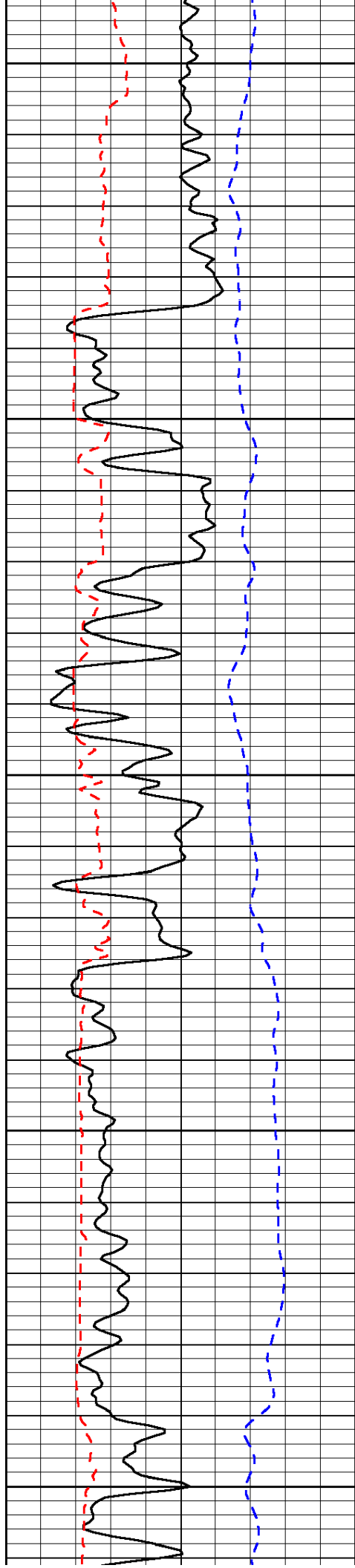


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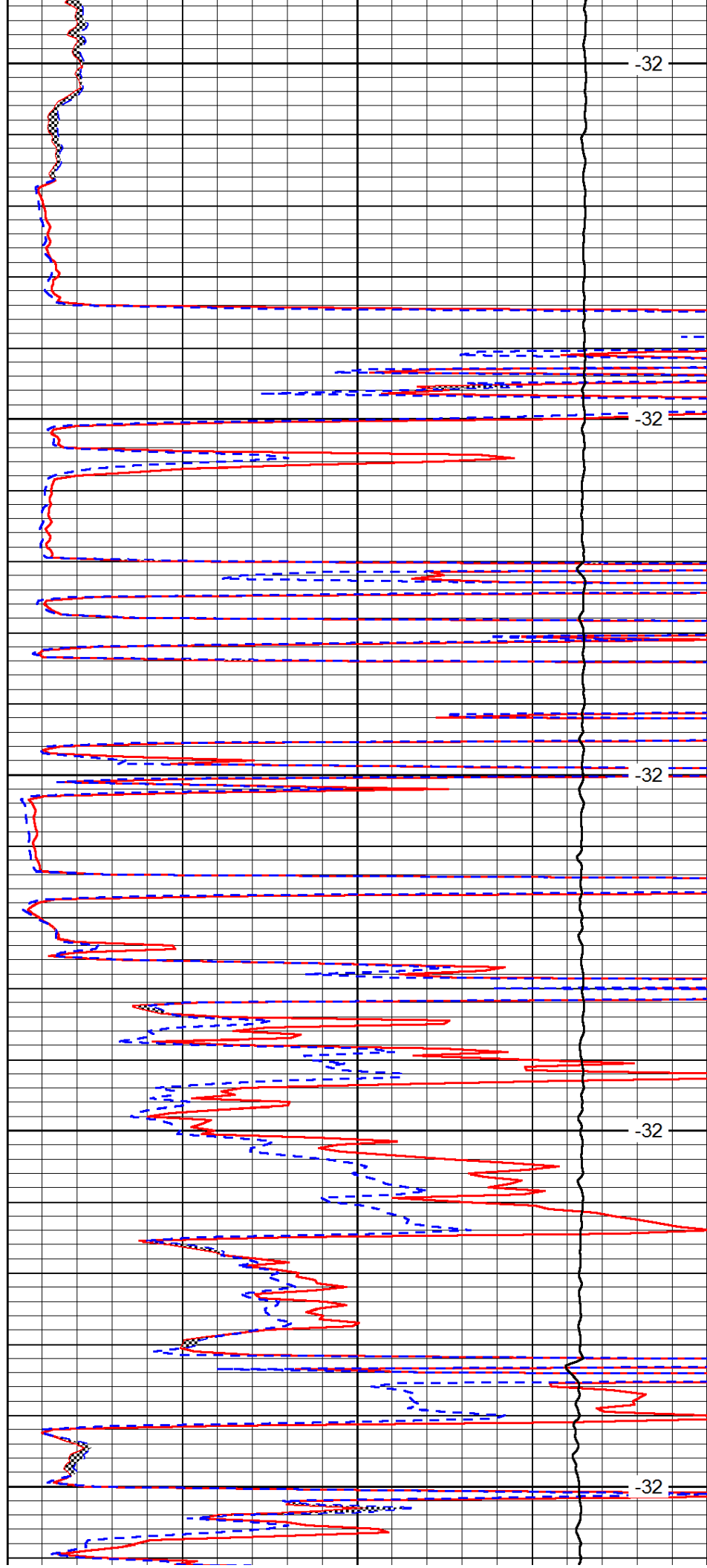
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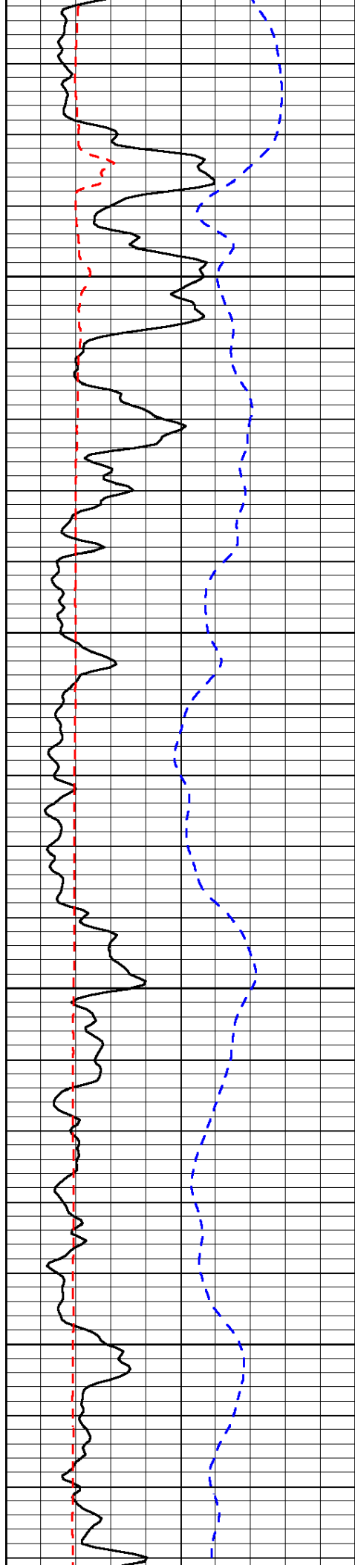
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