



Pioneer Energy Services

Microresistivity Log

API No.	15-009-25,881-00-00	
Company	L.D. Drilling, Inc.	
Well	Frank No. 2	
Field	Maybach West	
County	Barton	State
Location	NE-SE-SW-SE 1657' FEL & 343' FSL	
Sec: 23	Twp: 20S	Rge: 14W
Other Services CNL/CDL DIL		Elevation K.B. 1899 D.F. G.L. 1894

Permanent Datum	Ground Level	Elevation 1894
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	9/26/13	
Run Number	Two	
Depth Driller	3650	
Depth Logger	3649	
Bottom Logged Interval	3648	
Top Log Interval	1700	
Casing Driller	8.625 @ 812	
Casing Logger	810	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	7.000	
Density / Viscosity	9.1	50
pH / Fluid Loss	8.5	9.6
Source of Sample	Flowline	
Rm @ Meas. Temp	.18 @ 78	
Rmf @ Meas. Temp	.14 @ 78	
Rmc @ Meas. Temp	.24 @ 78	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.12 @ 113	
Operating Rig Time	4 Hours	
Max Rec. Temp. F	113	
Equipment Number	17	
Location	Hays	
Recorded By	J. Henrickson	
Witnessed By	Kim Shoemaker	

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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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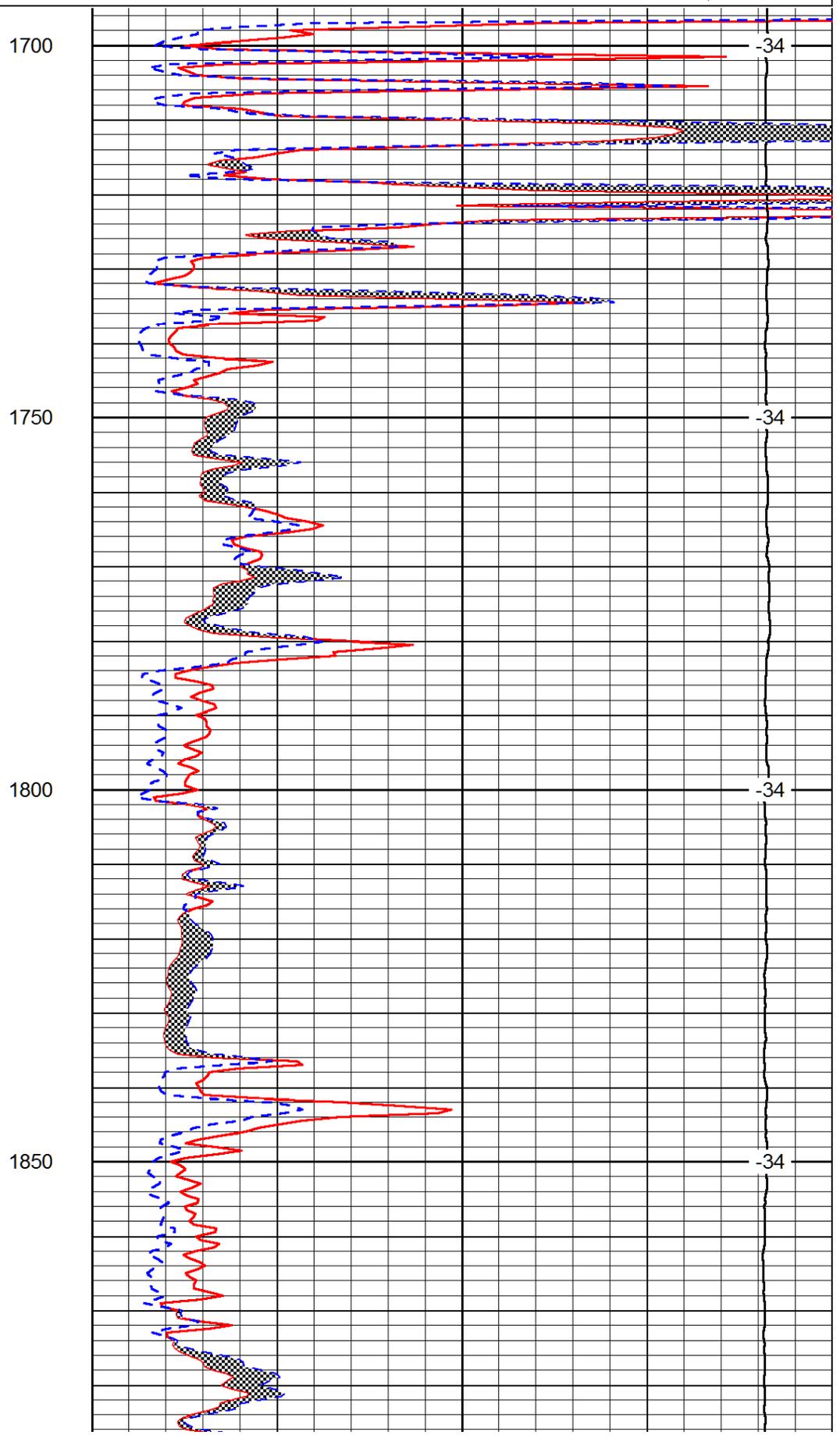
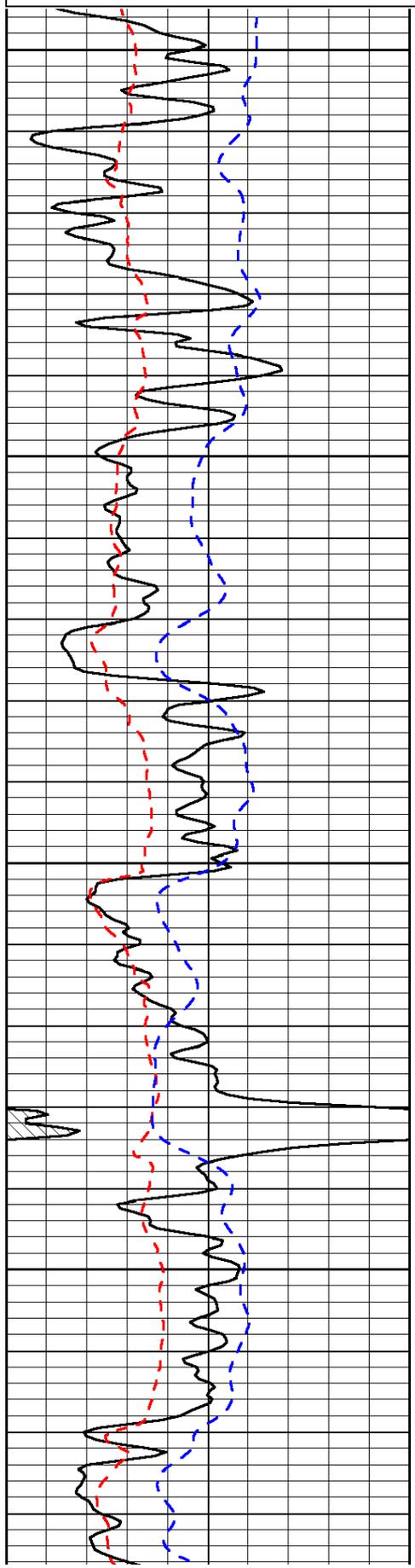
Great Bend Kansas
5 South, 4 1/4 West, North Into

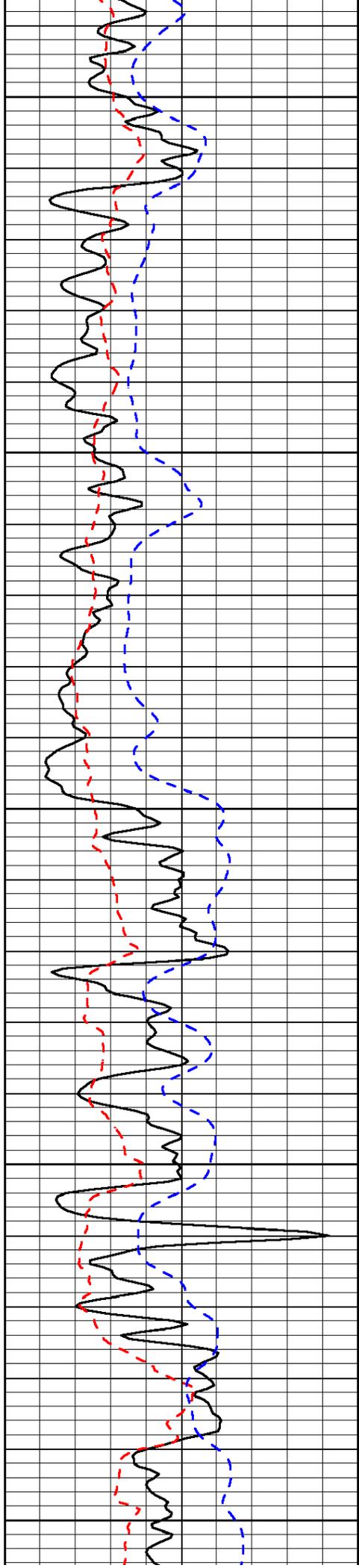
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 Dataset Pathname: DIL/ldstk
 Presentation Format: micro
 Dataset Creation: Thu Sep 26 17:00:22 2013
 Charted by: Depth in Feet scaled 1:240

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)





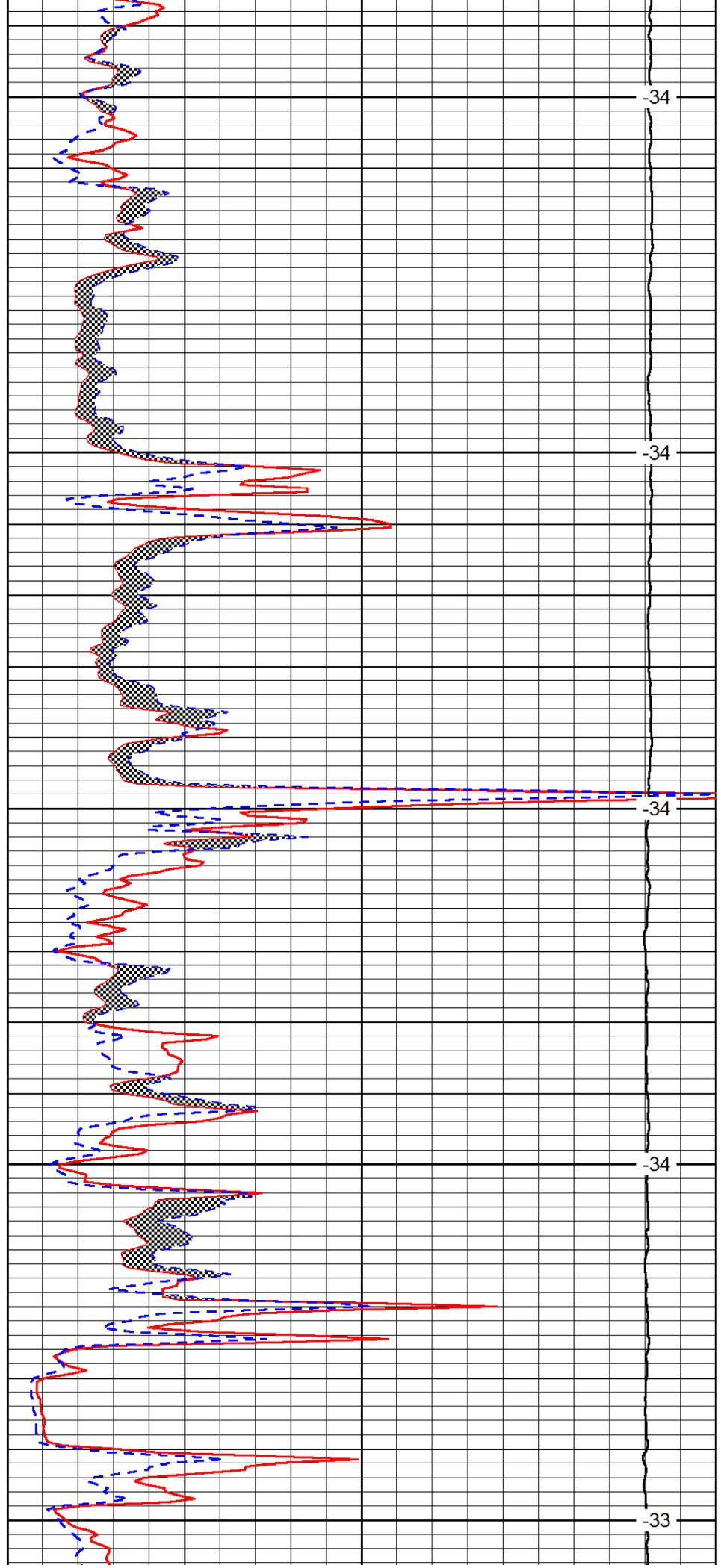
1900

1950

2000

2050

2100



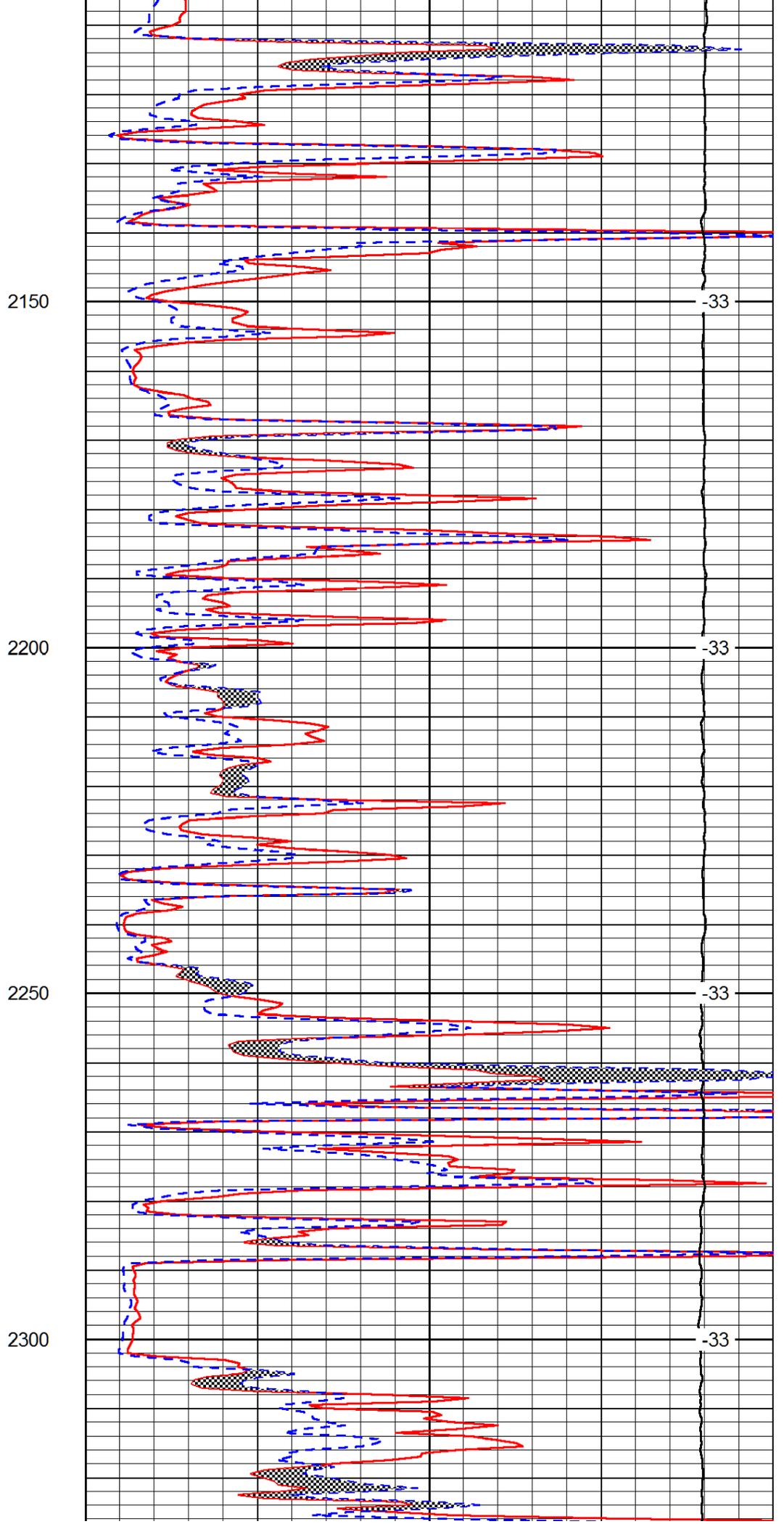
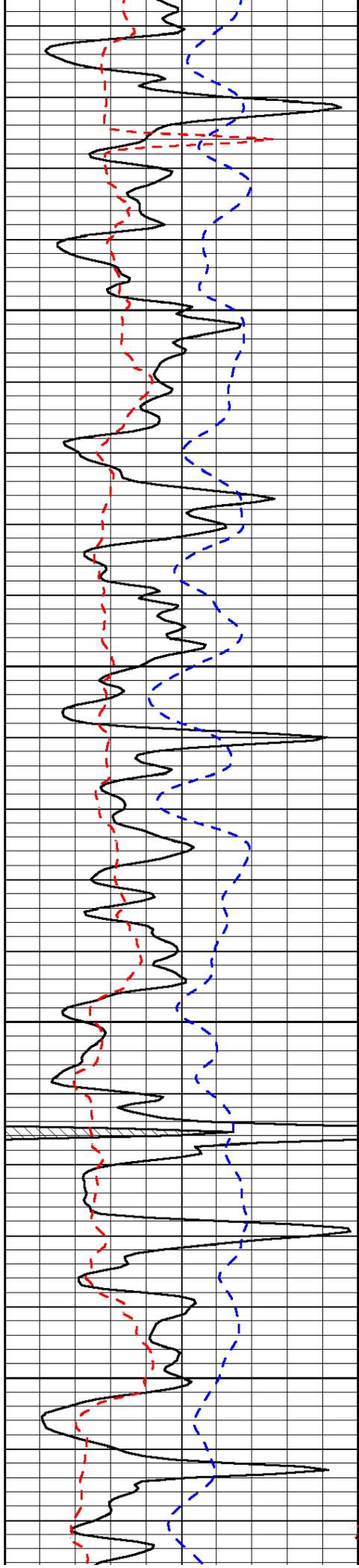
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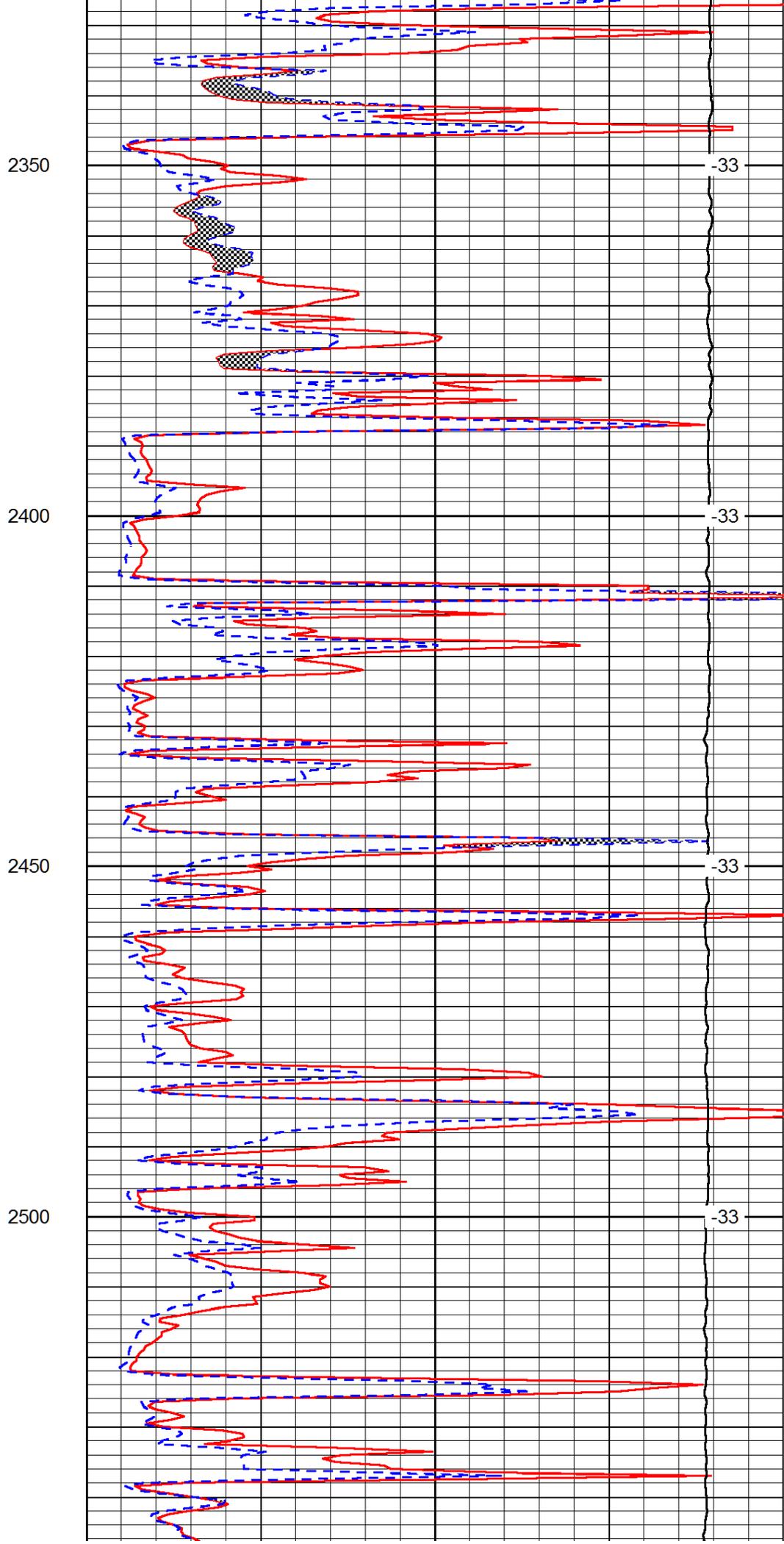
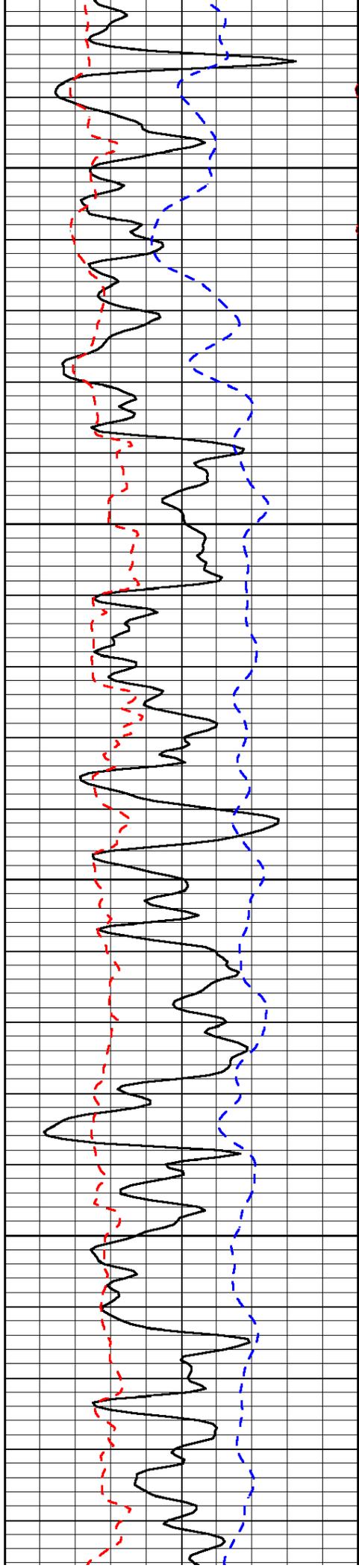
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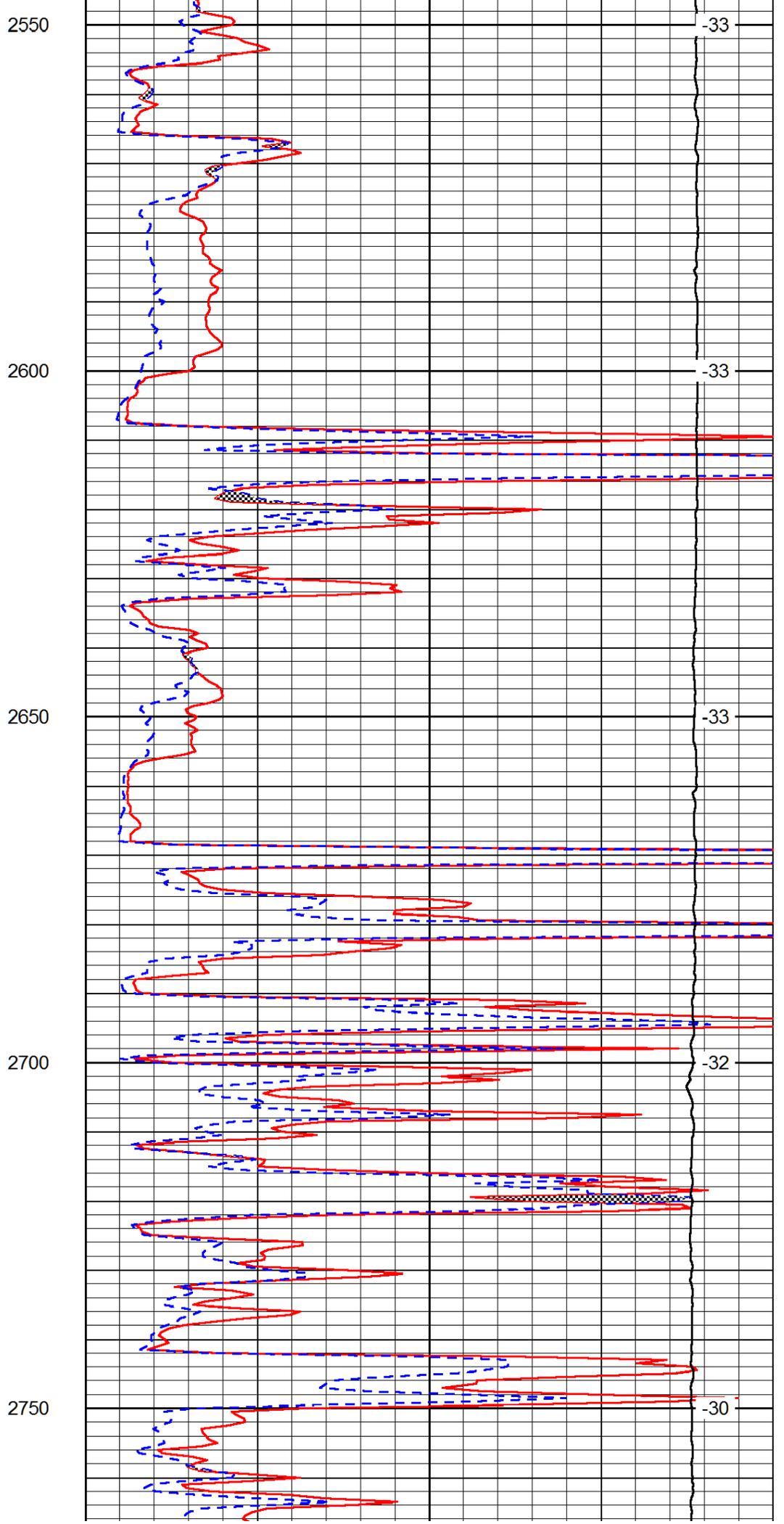
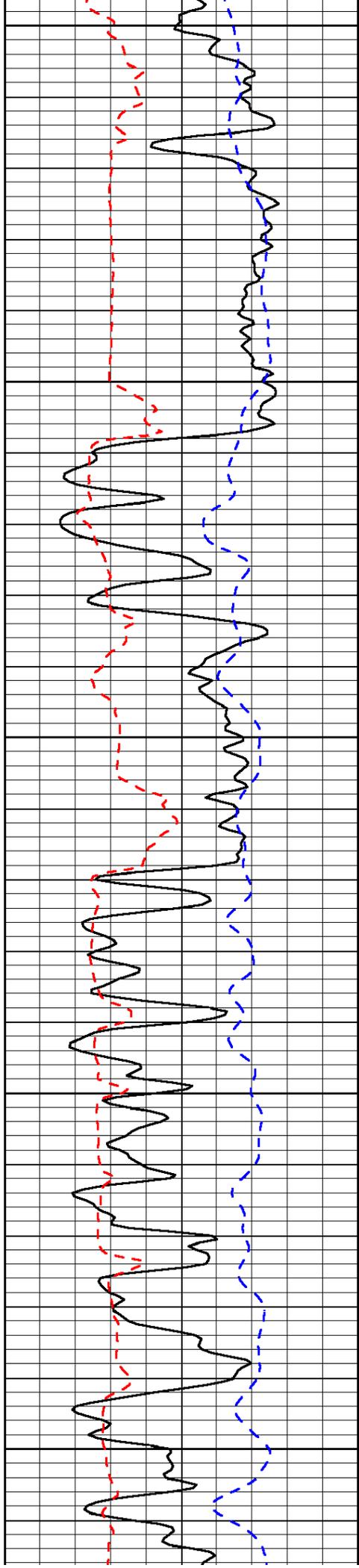
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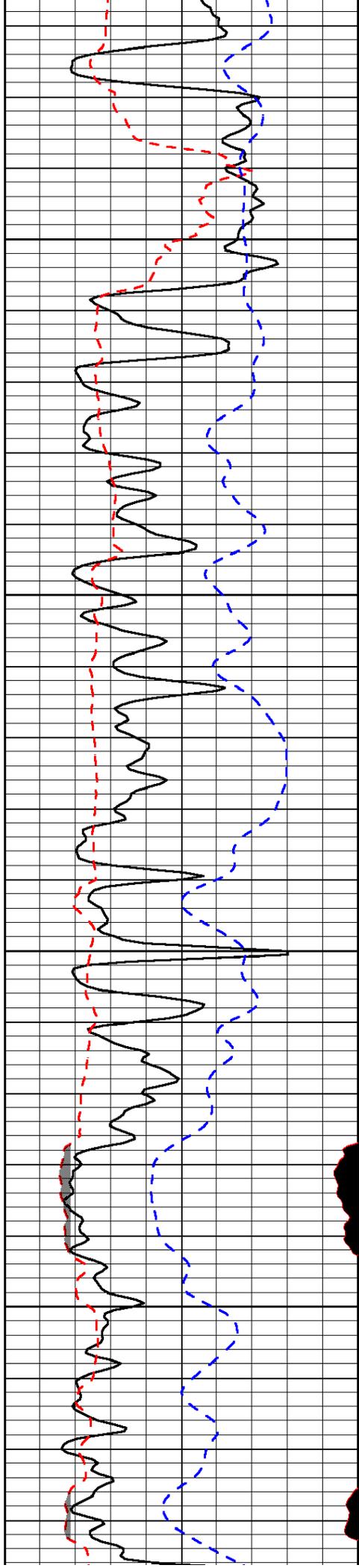
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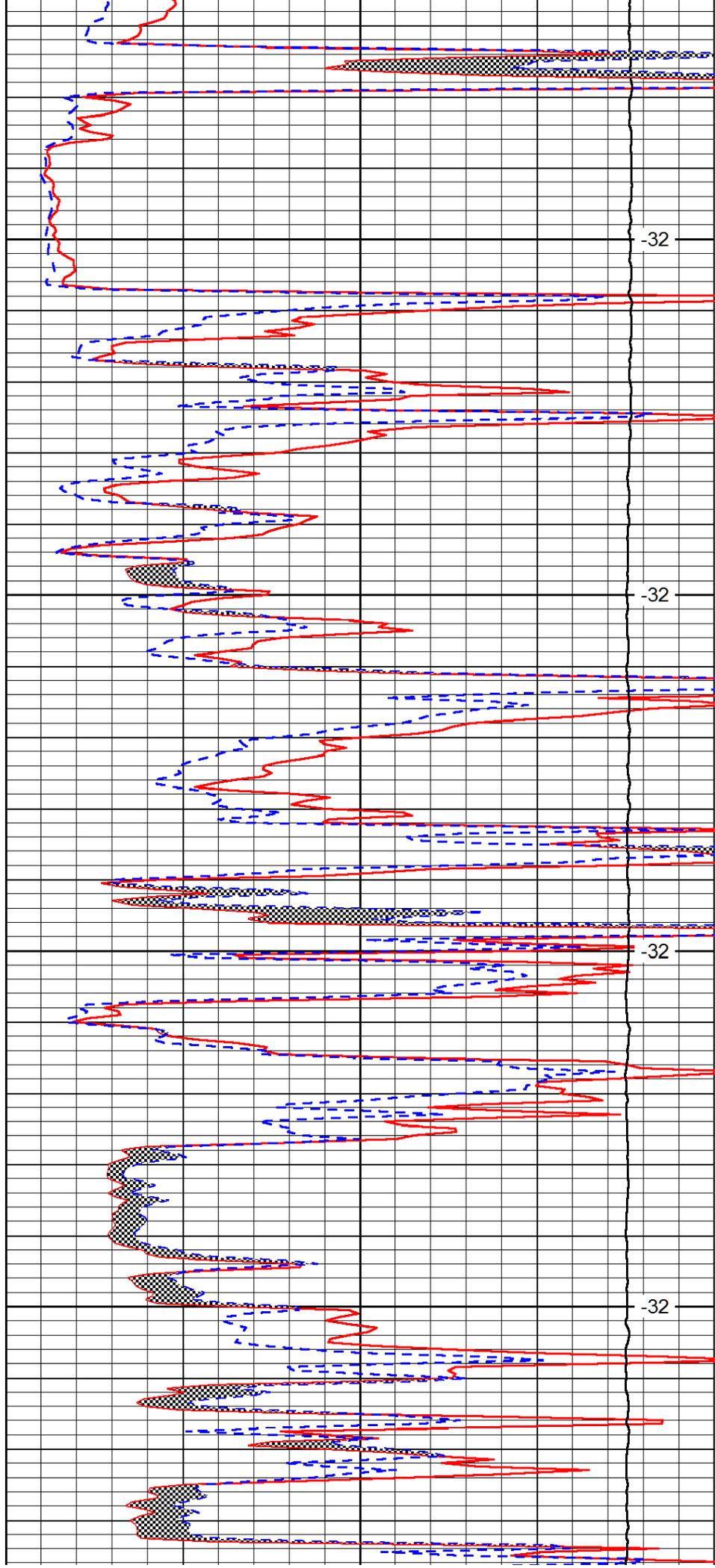


2800

2850

2900

2950

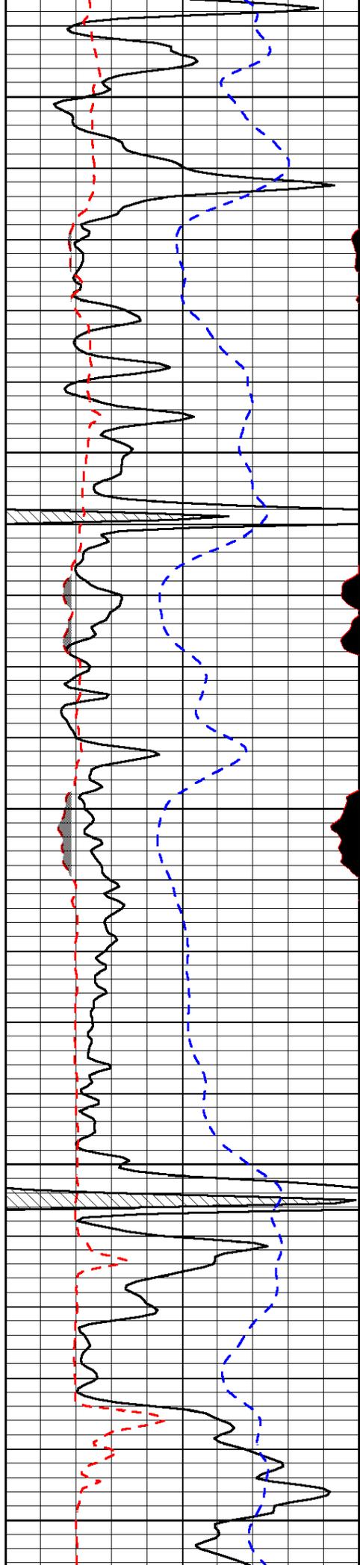


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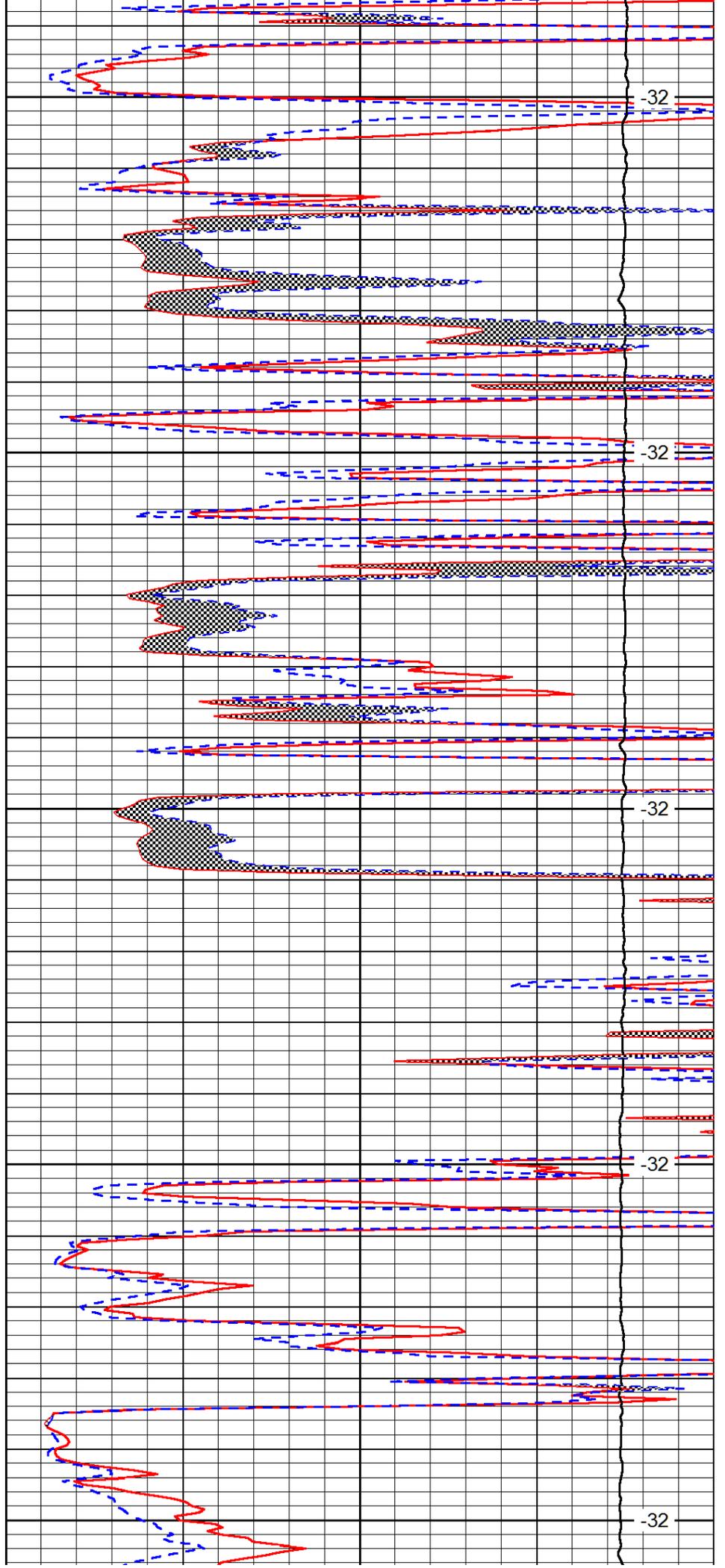
3000

3050

3100

3150

3200



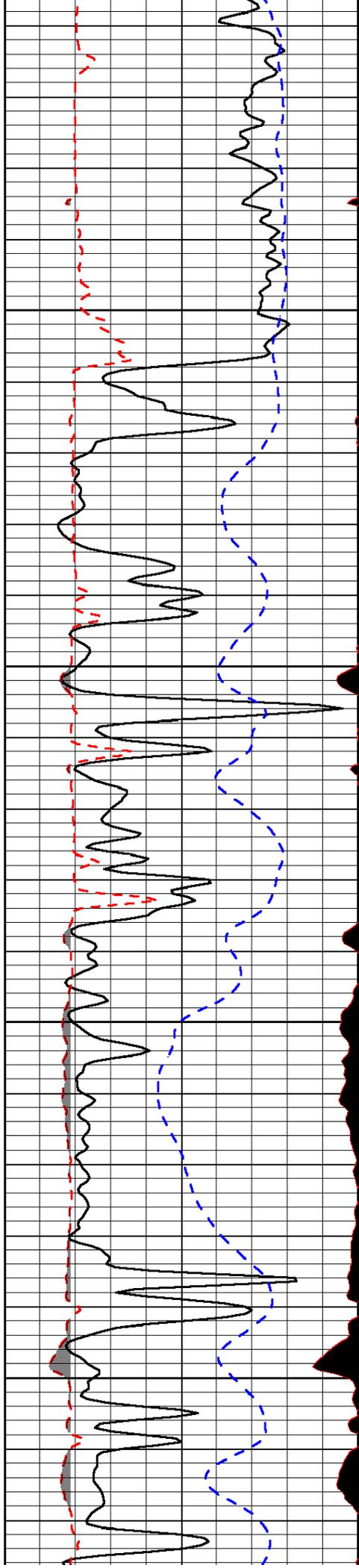
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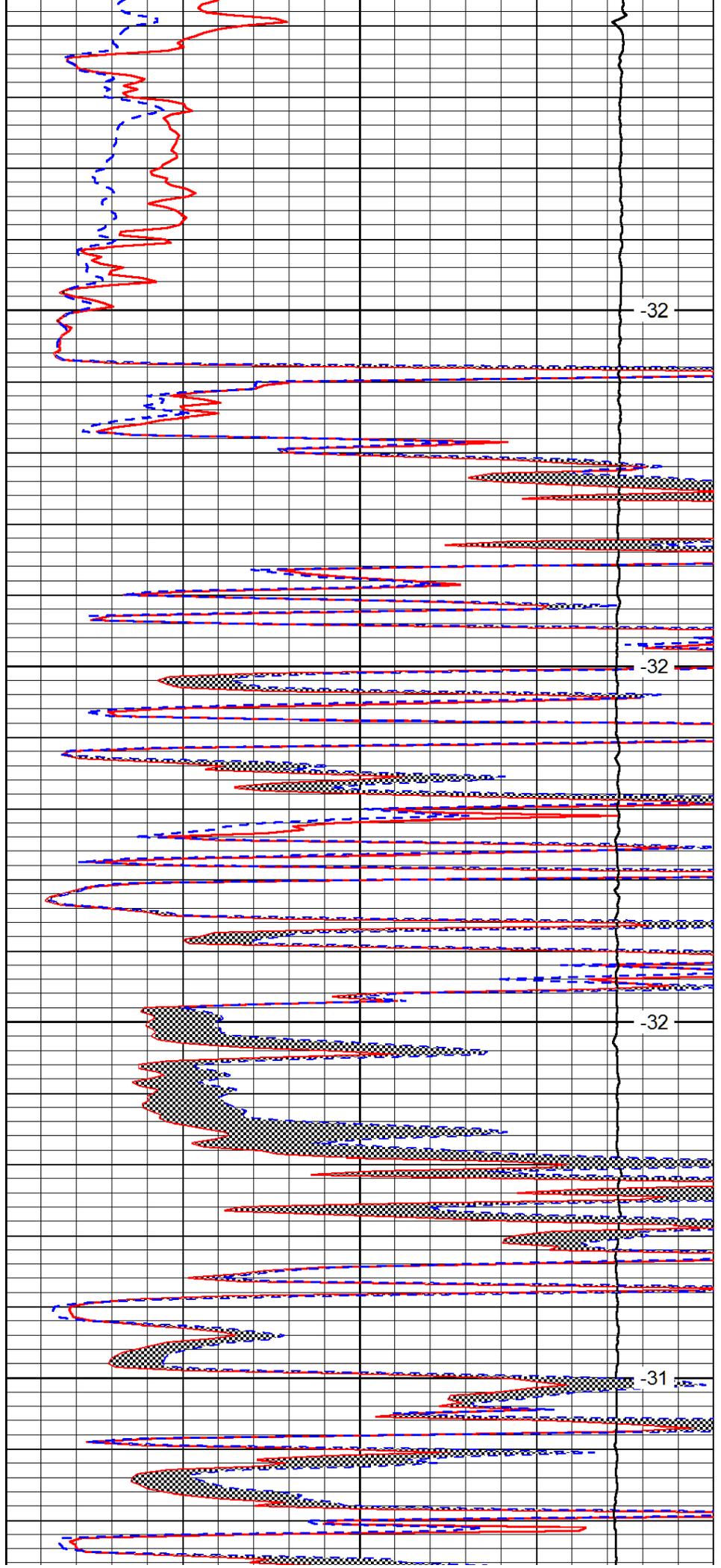


3250

3300

3350

3400

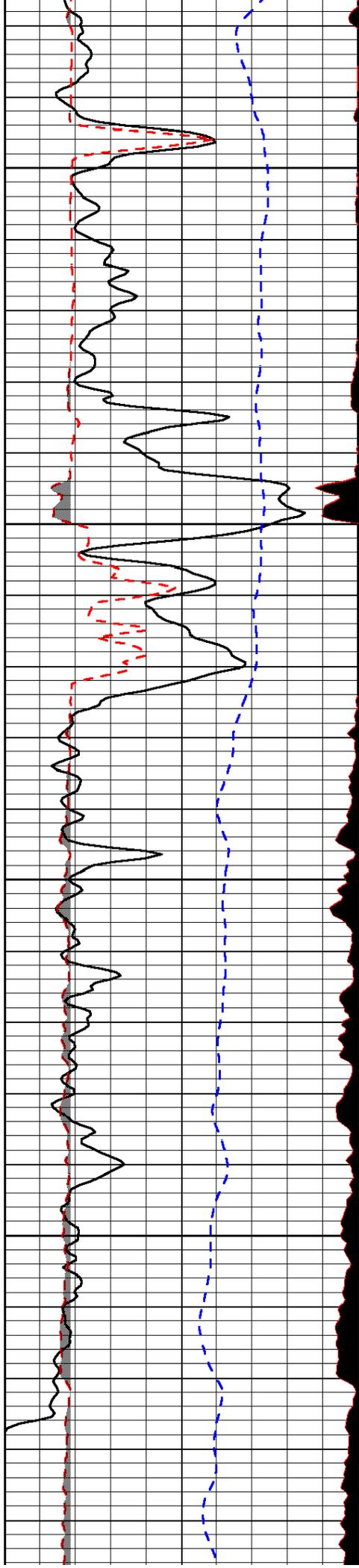


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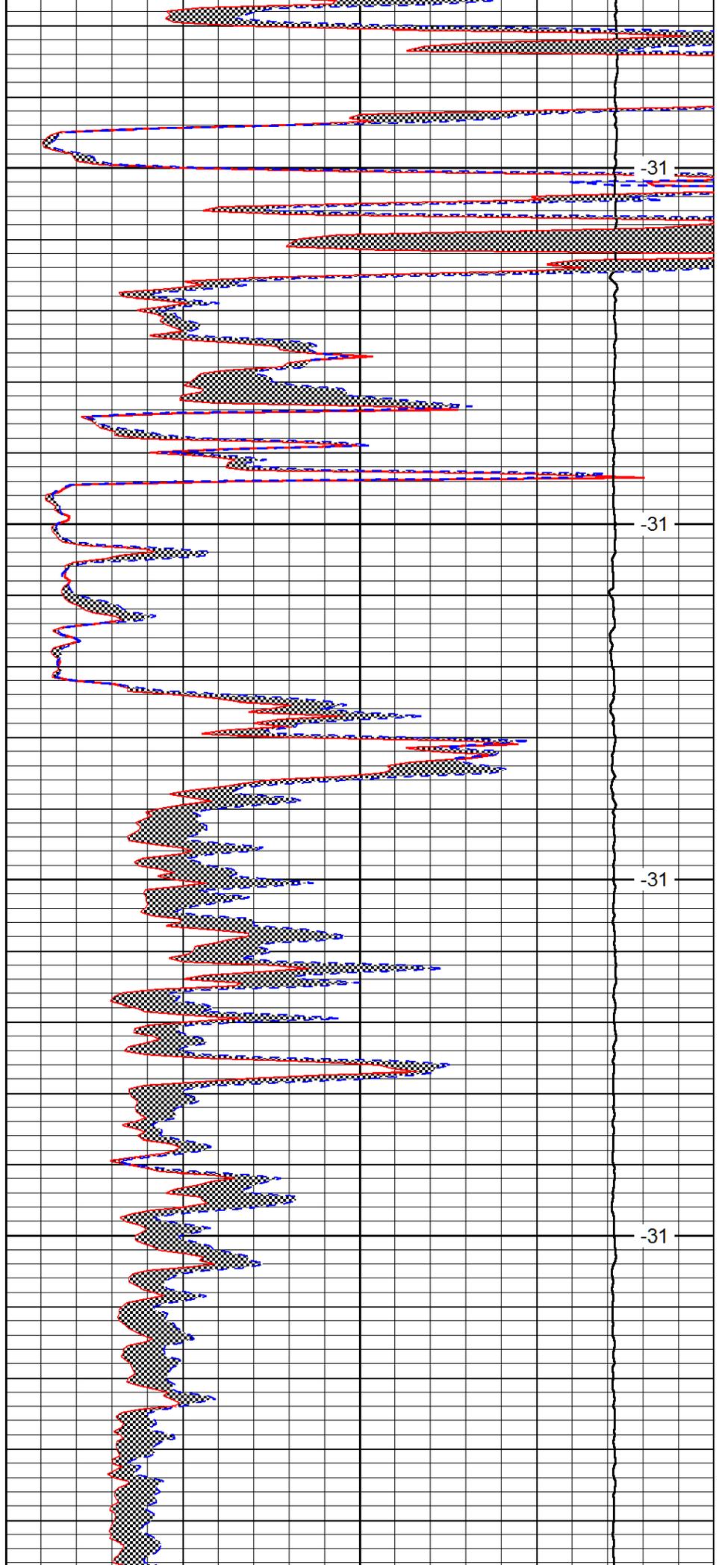


3450

3500

3550

3600

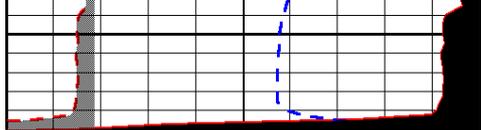


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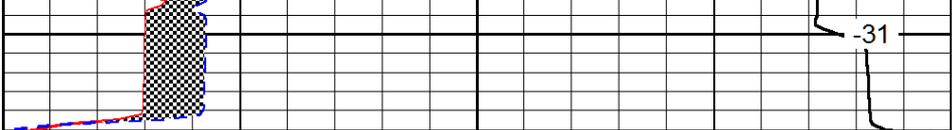
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3650



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