



Pioneer Energy Services

Microresistivity Log

API No.	15-155-21603-00-00		
Company	Kantor Oil Company, LLC		
Well	Carmicheal "A" #3		
Field	Burton		
County	Reno	State	Kansas
Location	NW/NW SW/4 2970' FNL / 330' FWL		
Sec: 10	Twp: 24S	Rge: 4W	
Permanent Datum	Ground Level	Elevation	1469
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
		Other Services	CNL / CDL DIL
		Elevation	K.B. 1479 D.F. 1469 G.L. 1469

Date	1/3/2013
Run Number	Two
Depth Driller	3918
Depth Logger	3916
Bottom Logged Interval	3915
Top Log Interval	2300
Casing Driller	13.375 @ 307
Casing Logger	305
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1600
Density / Viscosity	9.3 54
pH / Fluid Loss	11.0 6.0
Source of Sample	Flowline
Rm @ Meas. Temp	1.50 @ 60
Rmf @ Meas. Temp	1.13 @ 60
Rmc @ Meas. Temp	2.03 @ 60
Source of Rmf / Rmc	Charts
Rm @ BHT	0.78 @ 115
Operating Rig Time	4 Hours
Max Rec. Temp. F	115
Equipment Number	15
Location	Hays
Recorded By	R. Barnhart
Witnessed By	Larry Ressler

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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

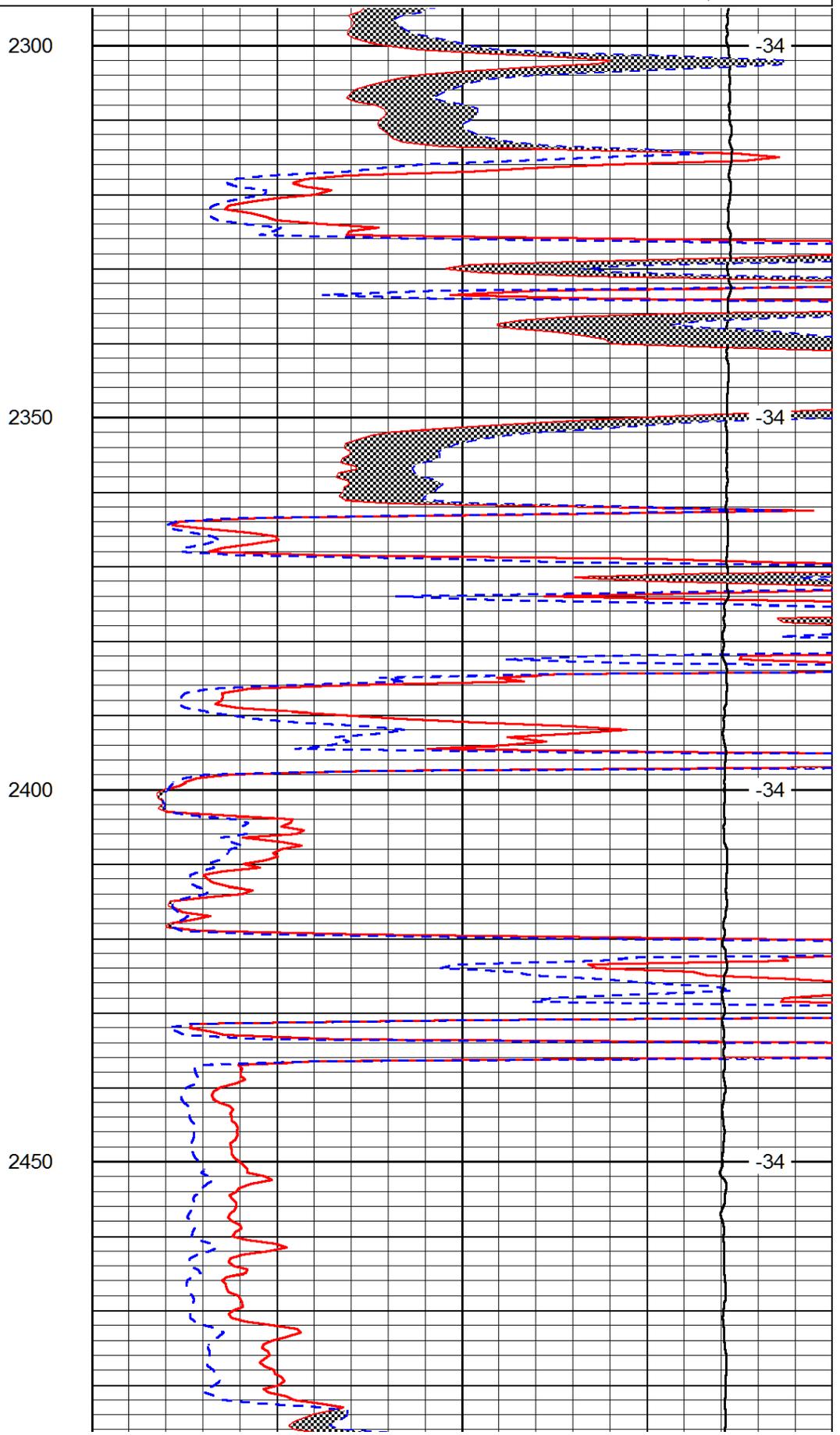
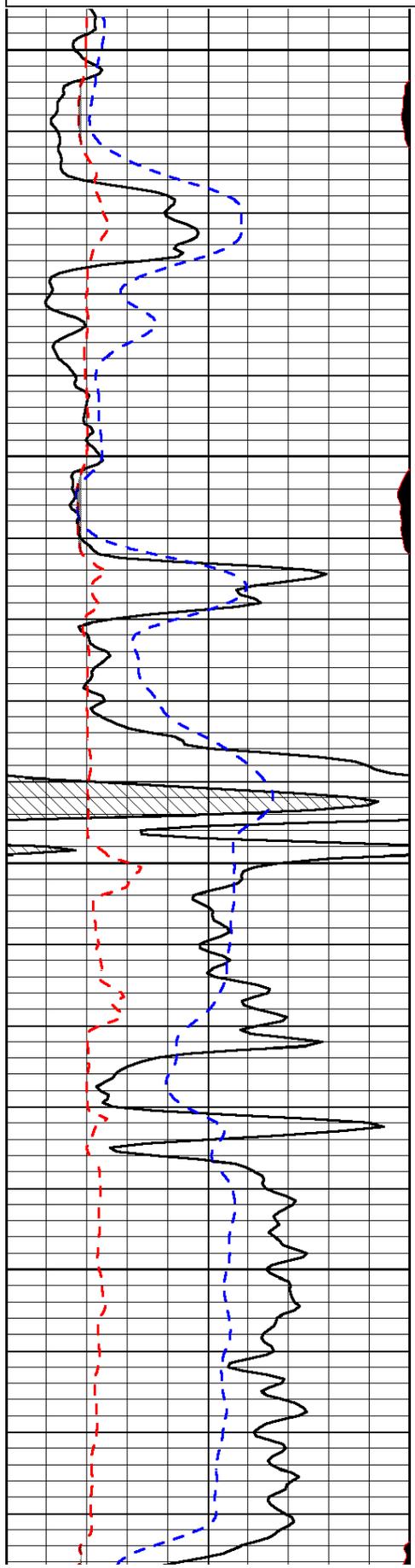
Haven, KS:
E edge: 4N on Haven Rd., 1E on Longview, 1 1/2N on Victory Rd., E into

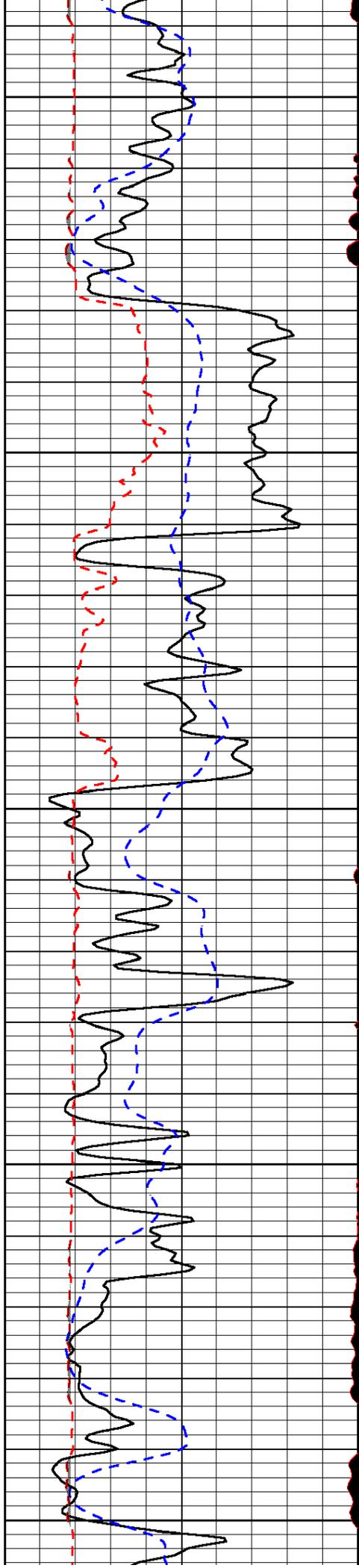
Database File: kantor_hd.db
 Dataset Pathname: dil/kanmain
 Presentation Format: micro
 Dataset Creation: Thu Jan 03 23:03:02 2013
 Charted by: Depth in Feet scaled 1:240

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)





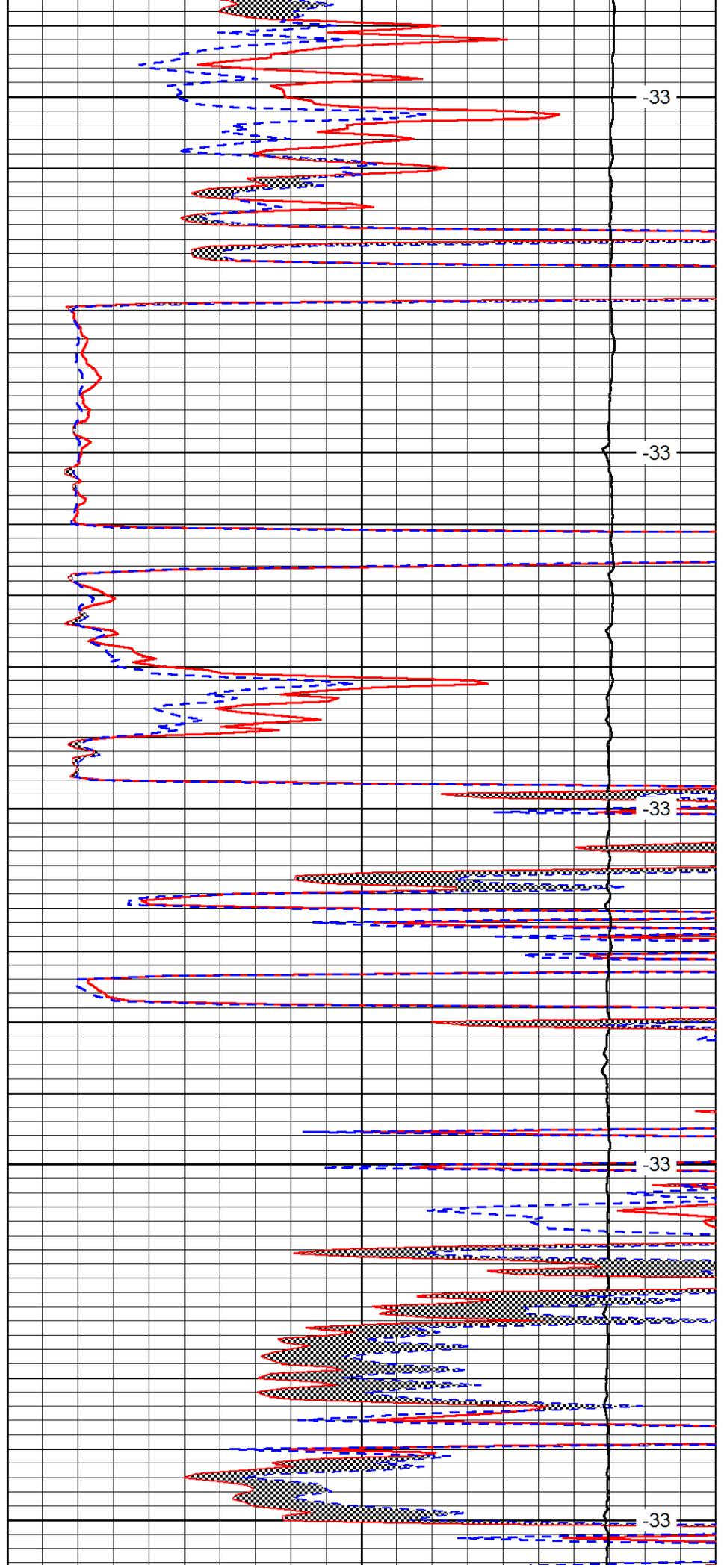
2500

2550

2600

2650

2700



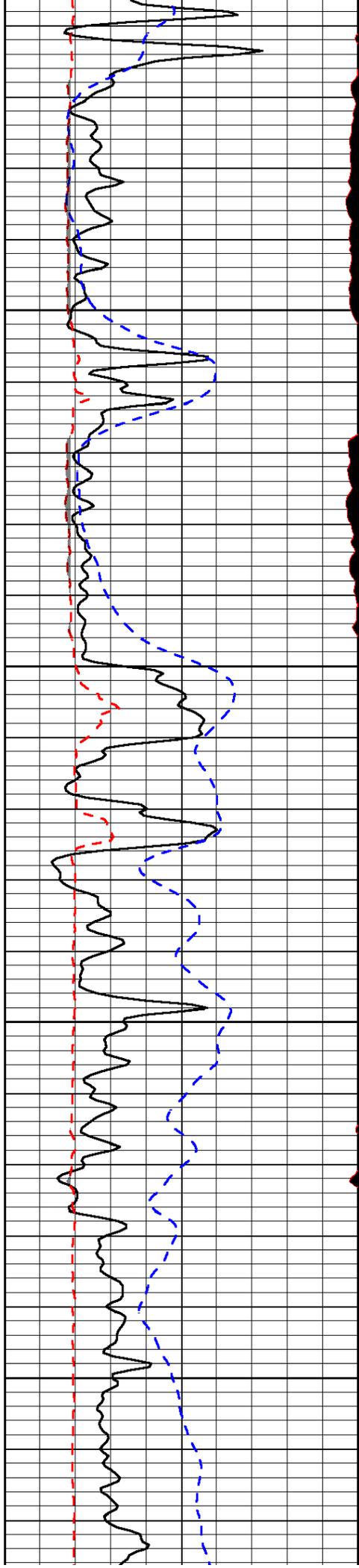
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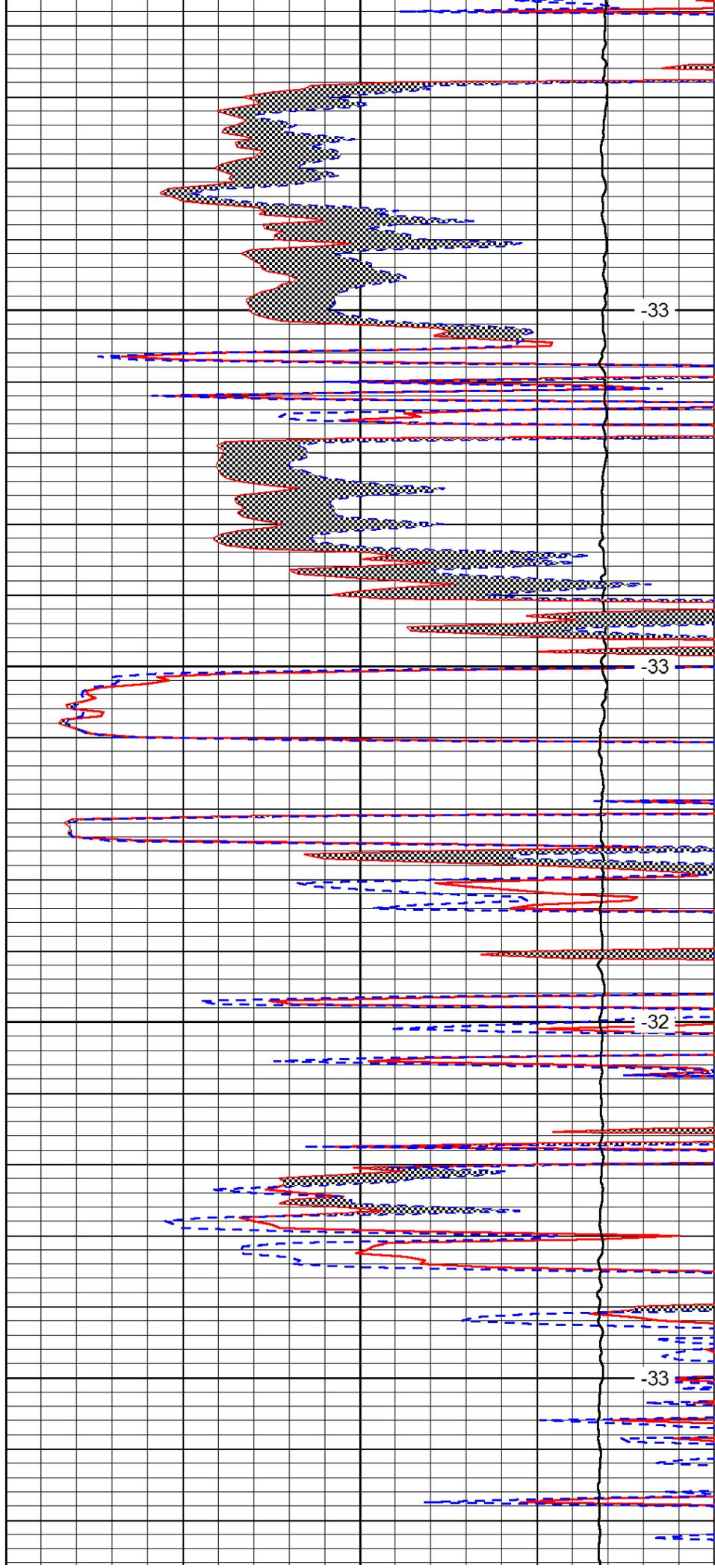


2750

2800

2850

2900

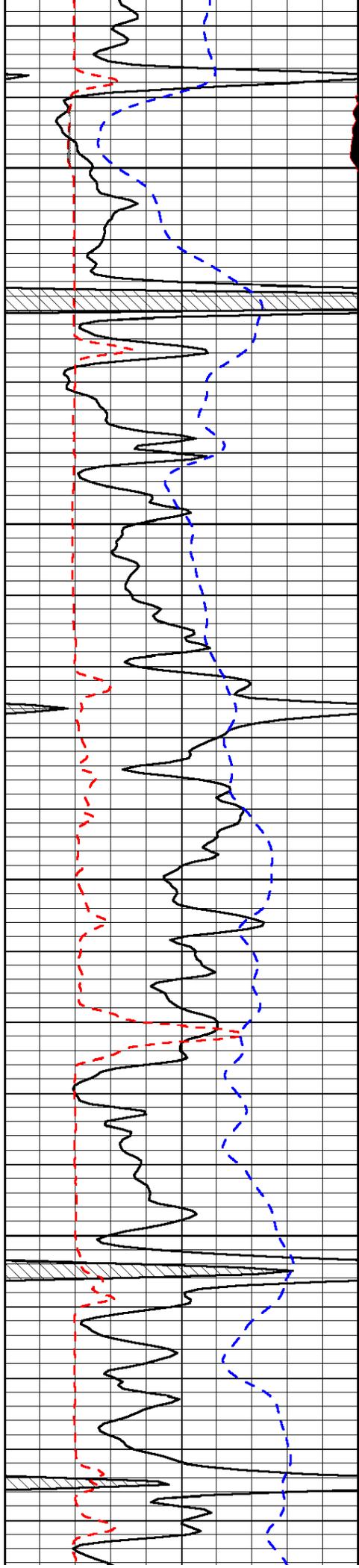


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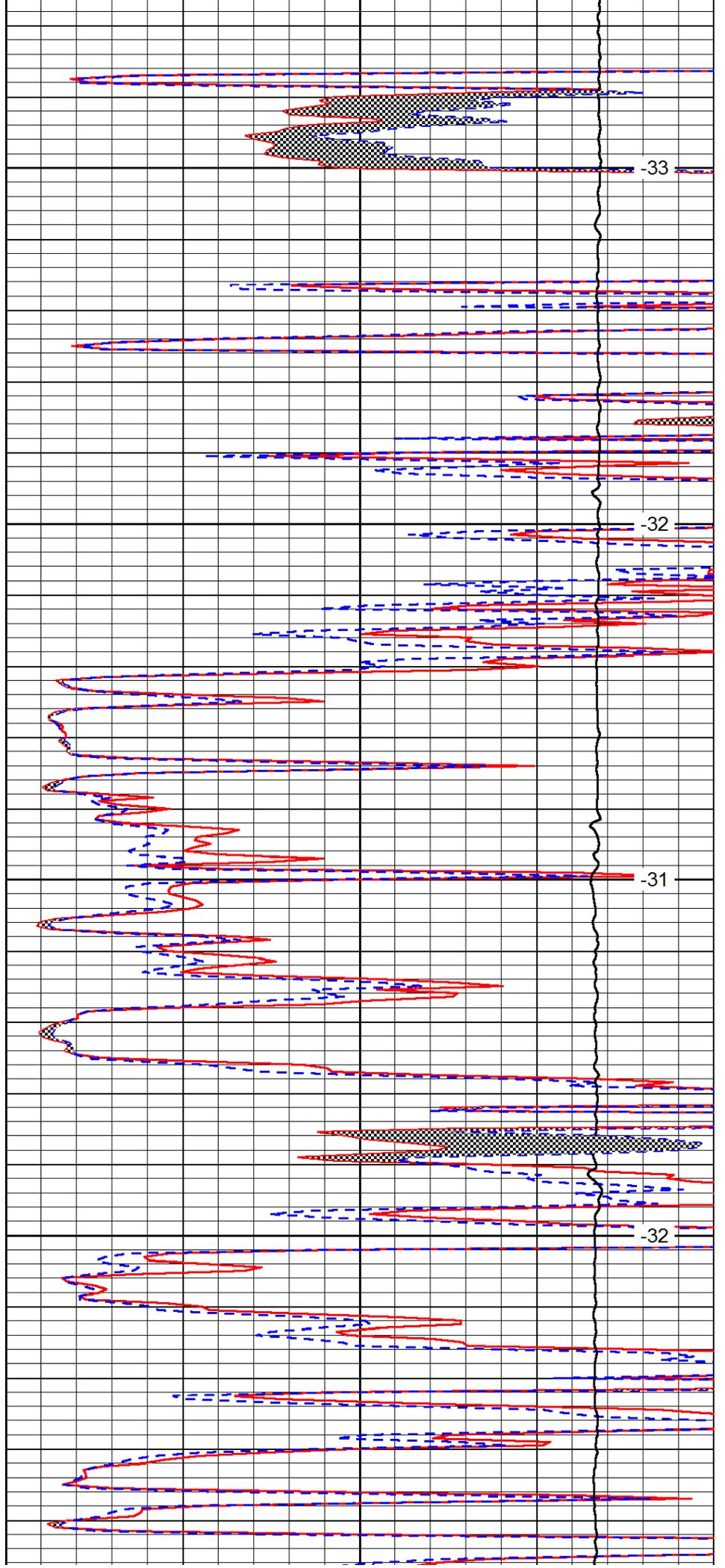


2950

3000

3050

3100

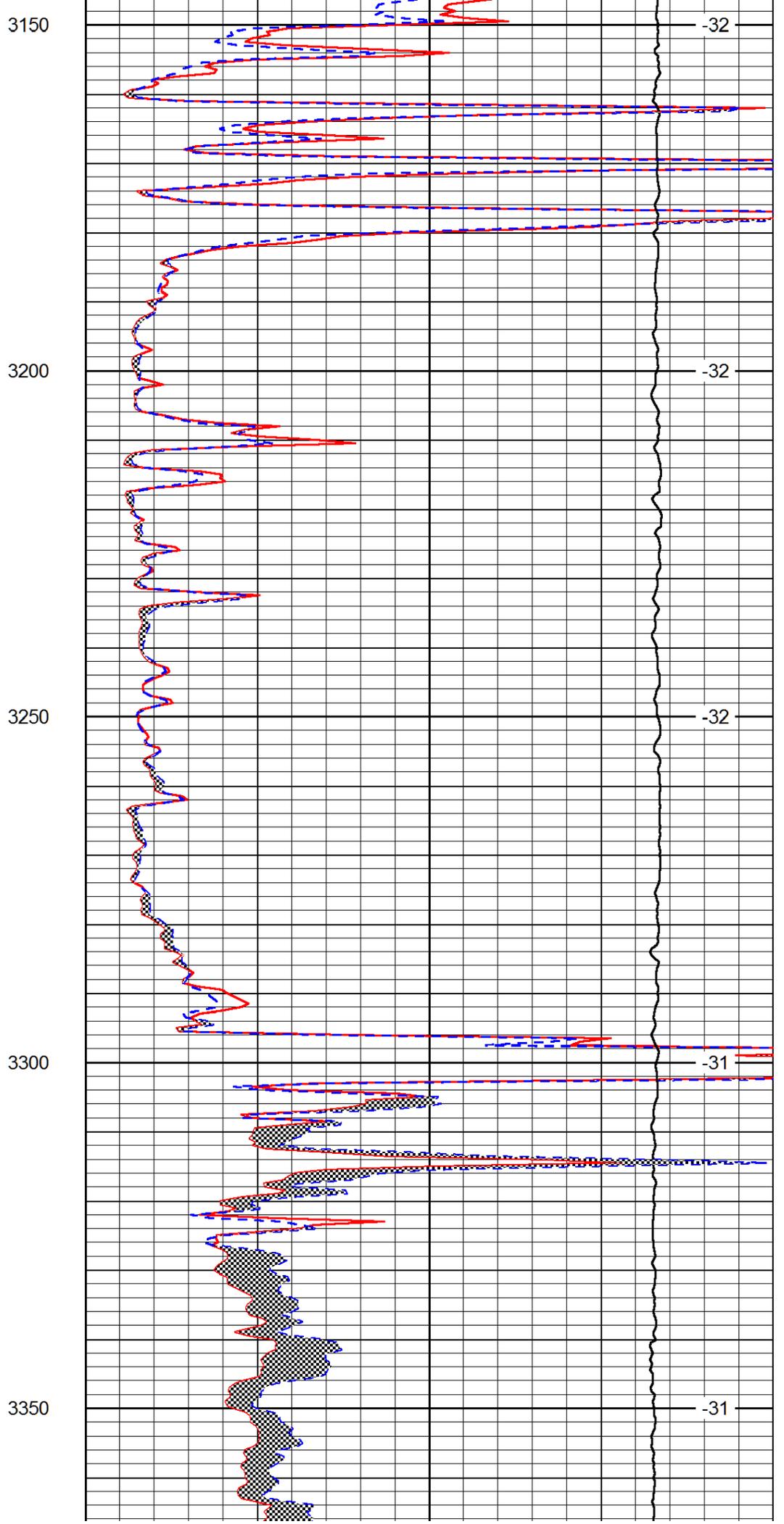
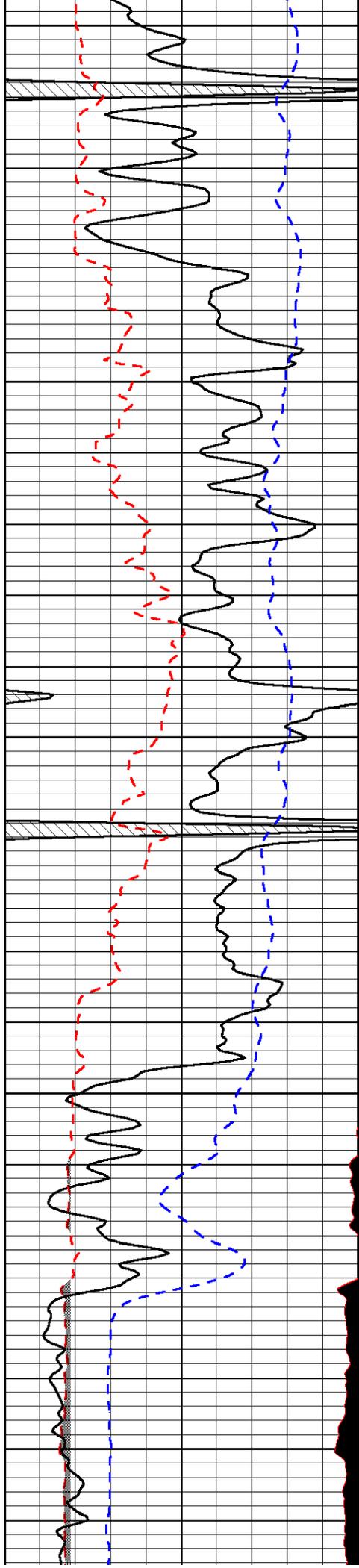


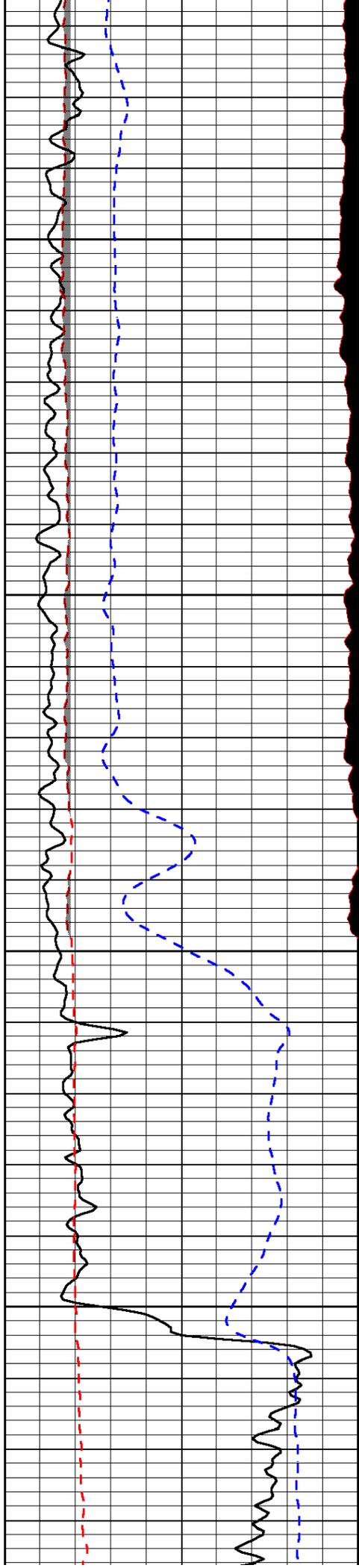
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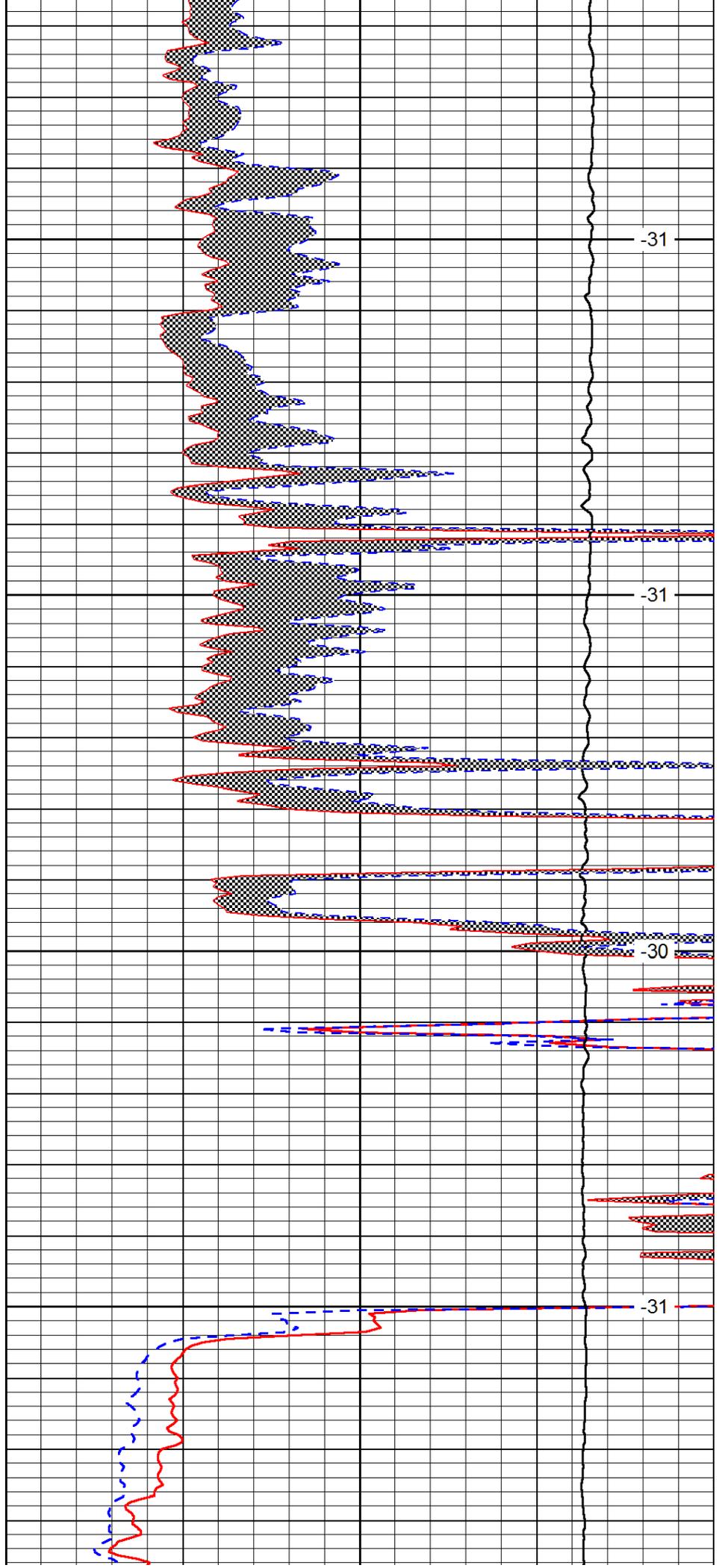


3400

3450

3500

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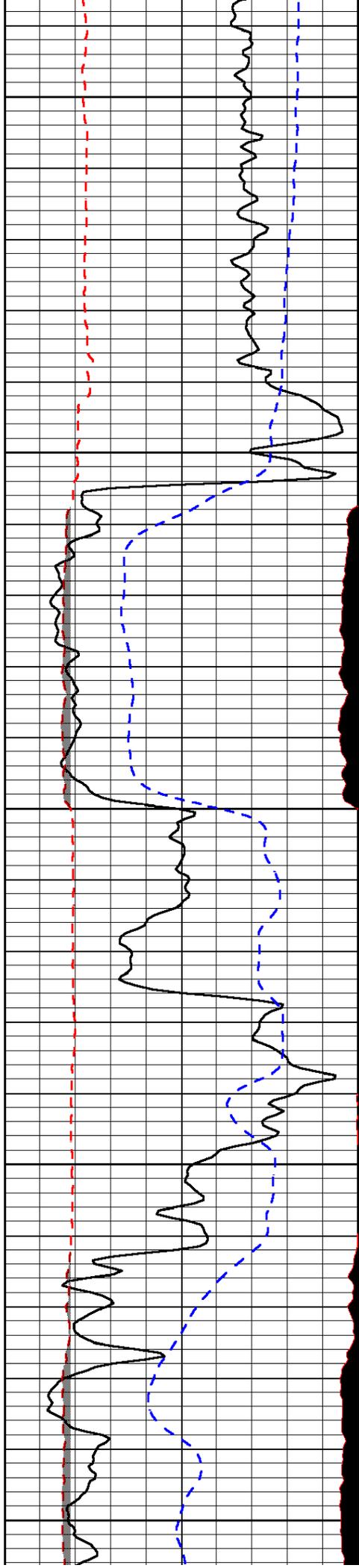


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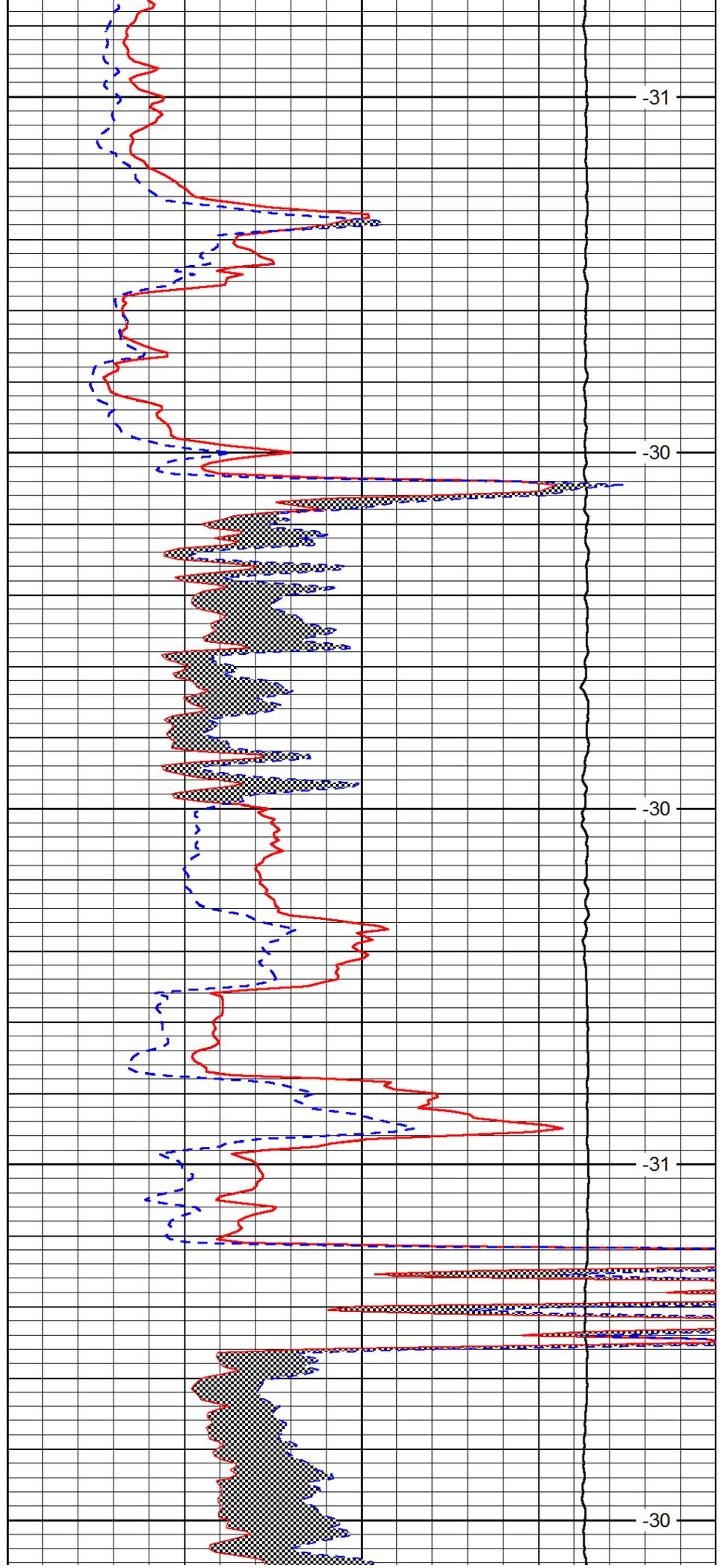
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3650

3700

3750

3800



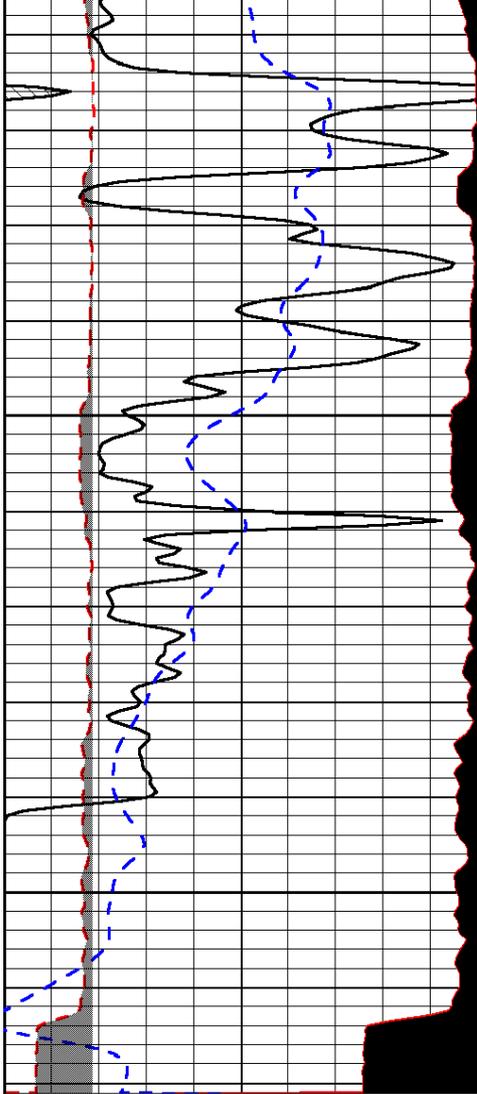
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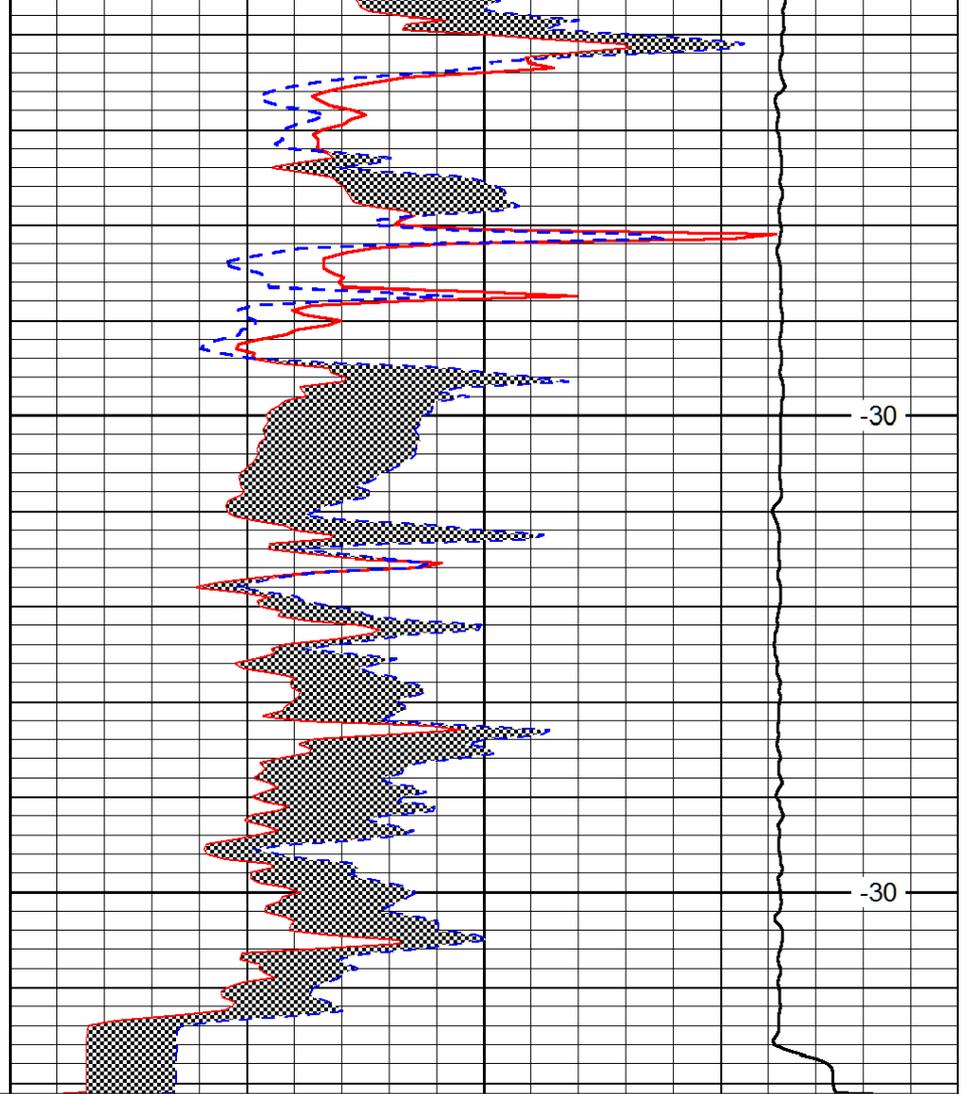
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3850

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