



Pioneer Energy Services

Microresistivity Log

API No. 15-039-21,174-00-00

Company: **Murfin Drilling Company, Inc.**
 Well: **DCFY Unit No. 1 - 11**
 Field: **Wildcat**
 County: **Decatur** State: **Kansas**

Location: **2450' FNL & 2150' FEL**

Sec: 11 Twp: 2 S Rge: 29 W

Other Services: CNL/CDL, DIL/BHCS

Permanent Datum: Ground Level Elevation 2714
 Log Measured From: Kelly Bushing 5 Ft. Above Perm. Datum
 Drilling Measured From: Kelly Bushing

Elevation: K.B. 2719, D.F. 2714, G.L. 2714

Date	5/13/2013
Run Number	Two
Depth Driller	4025
Depth Logger	4022
Bottom Logged Interval	4021
Top Log Interval	3000
Casing Driller	8.625 @ 218
Casing Logger	217
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1800
Density / Viscosity	9.2 51
pH / Fluid Loss	10.5 6.0
Source of Sample	Flowline
Rm @ Meas. Temp	.60 @ 70
Rmf @ Meas. Temp	.45 @ 70
Rmc @ Meas. Temp	.81 @ 70
Source of Rmf / Rmc	Charts
Rm @ BHT	.36 @ 116
Operating Rig Time	5 Hours
Max Rec. Temp. F	116
Equipment Number	108
Location	Hays
Recorded By	D. Martin
Witnessed By	Tom Funk

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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

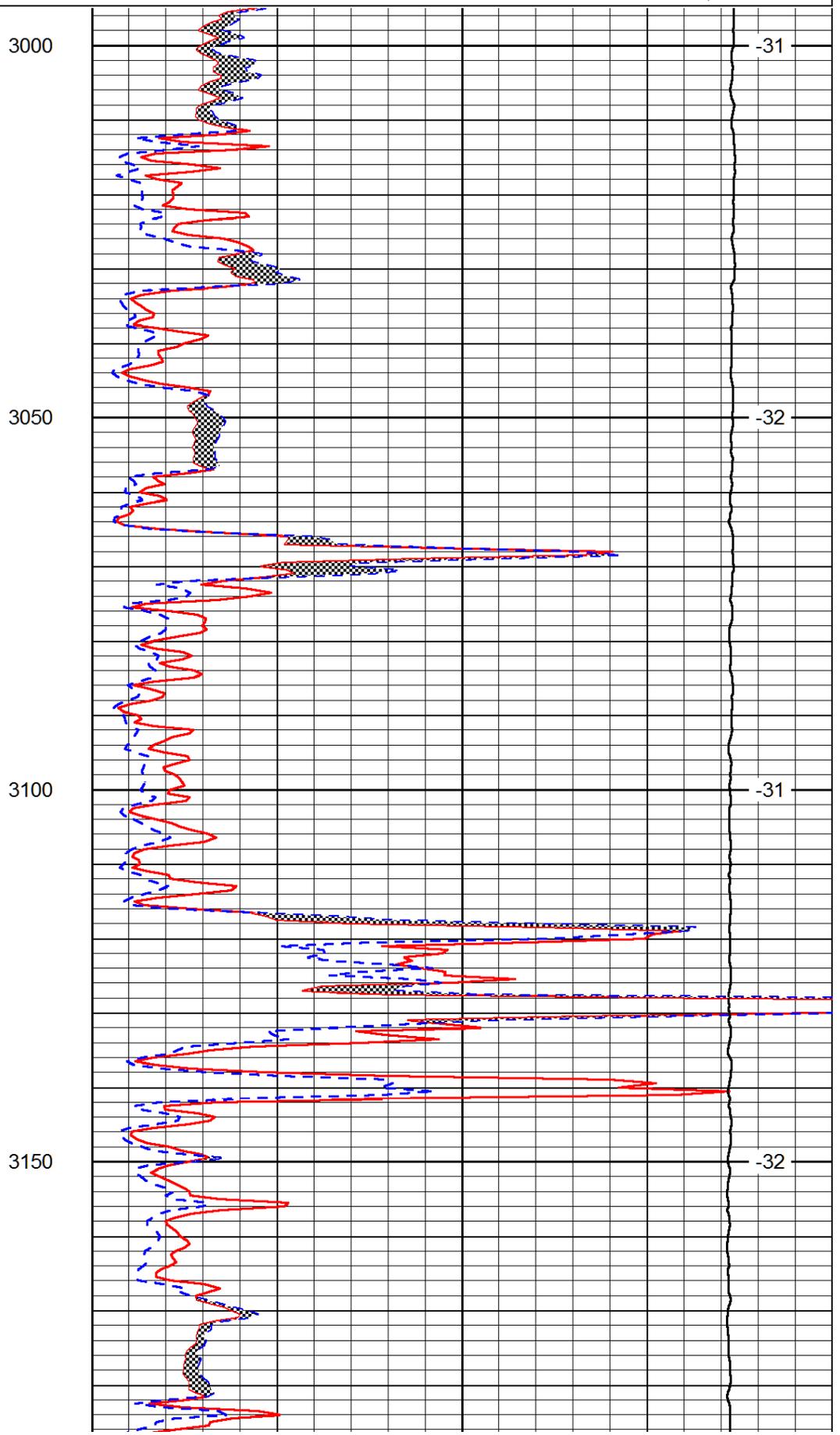
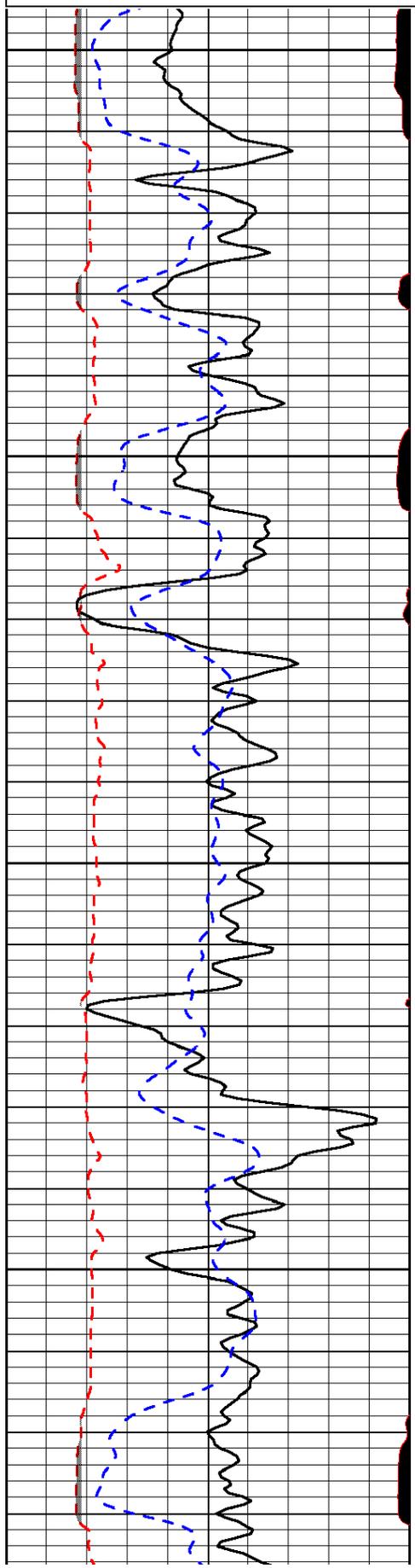
Thank you for using Log-Tech, Inc.
 (785) 625-3858

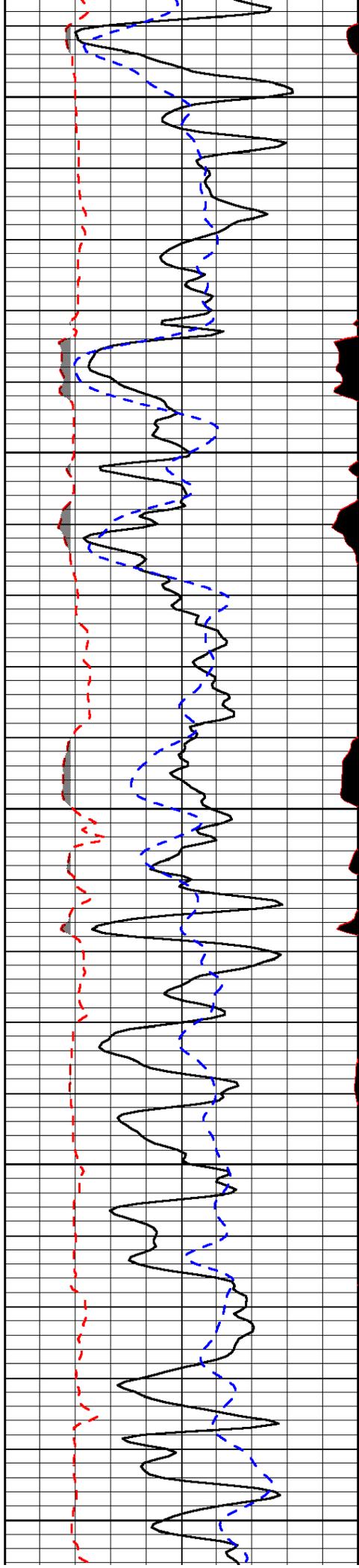
Oberlin, KS
 4 N to 4N Rd., 1/2 W, N Into

Database File: murfin_dcfyunit_1-11hd.db
 Dataset Pathname: dil/murfstk
 Presentation Format: micro
 Dataset Creation: Mon May 13 03:01:11 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)





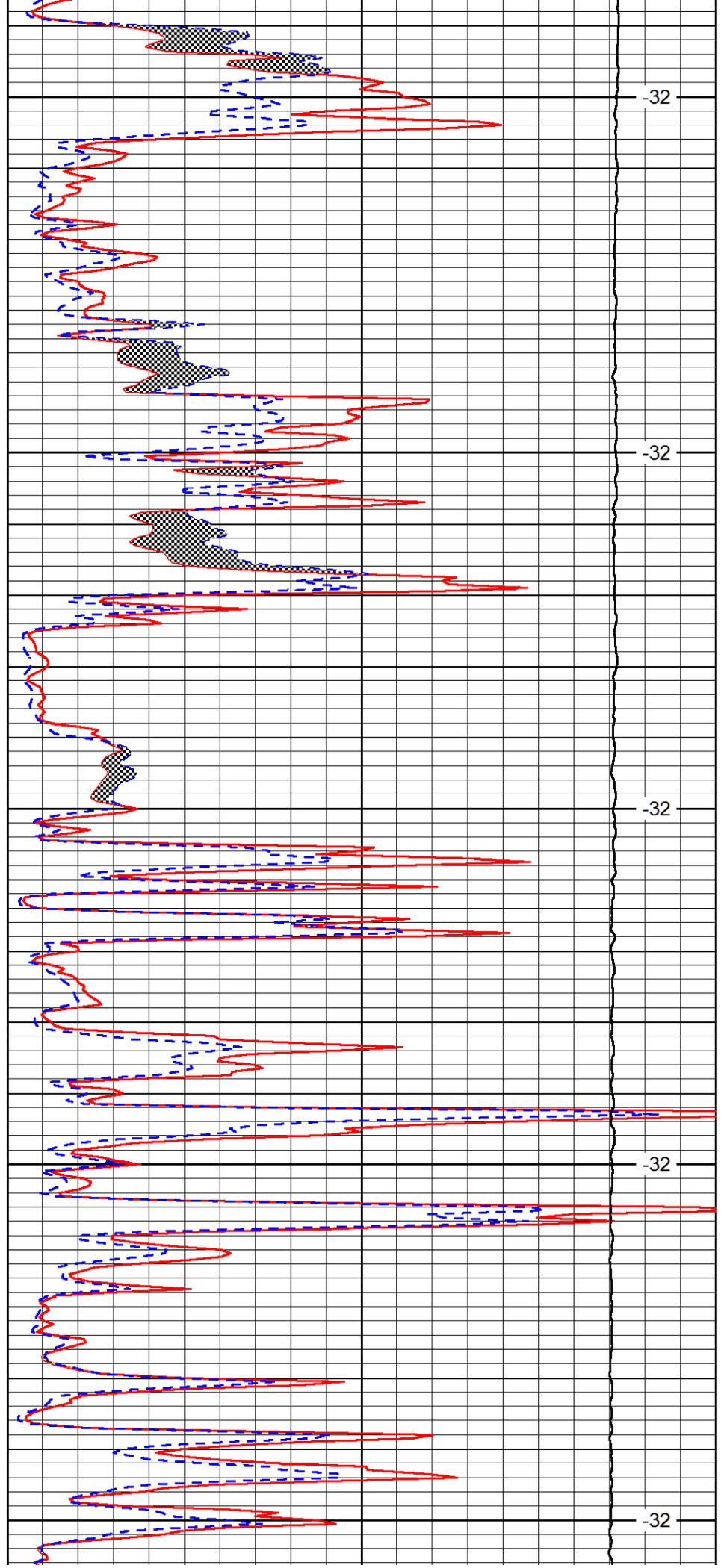
3200

3250

3300

3350

3400



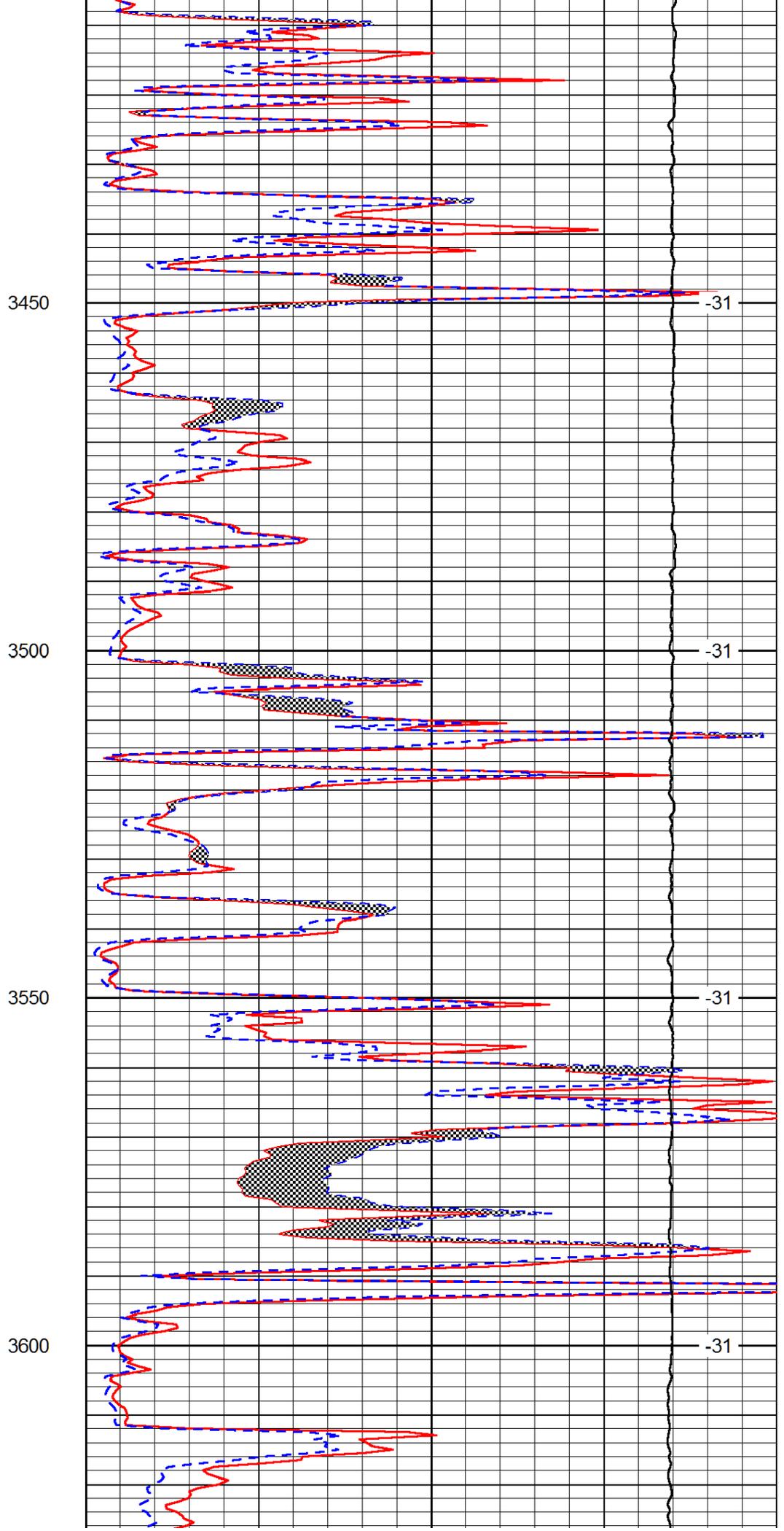
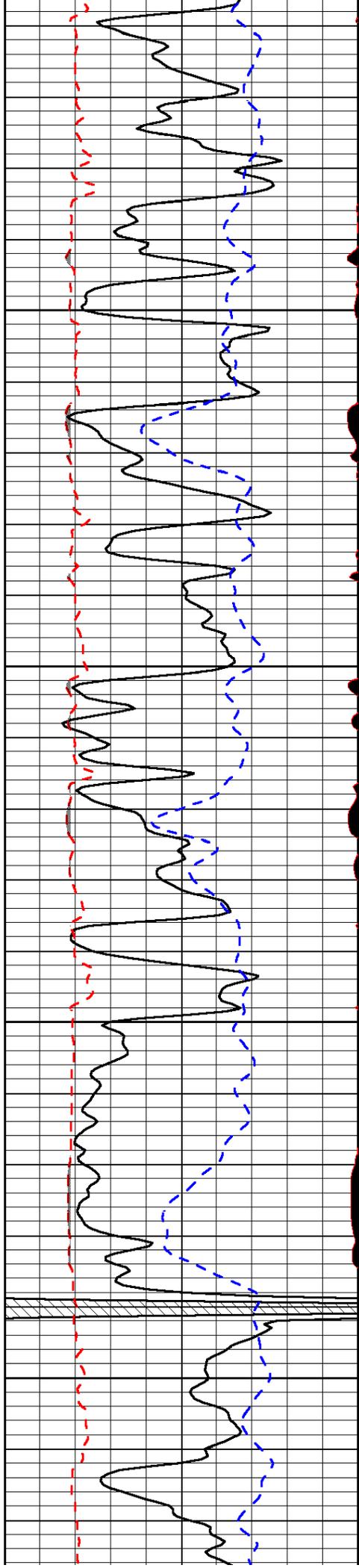
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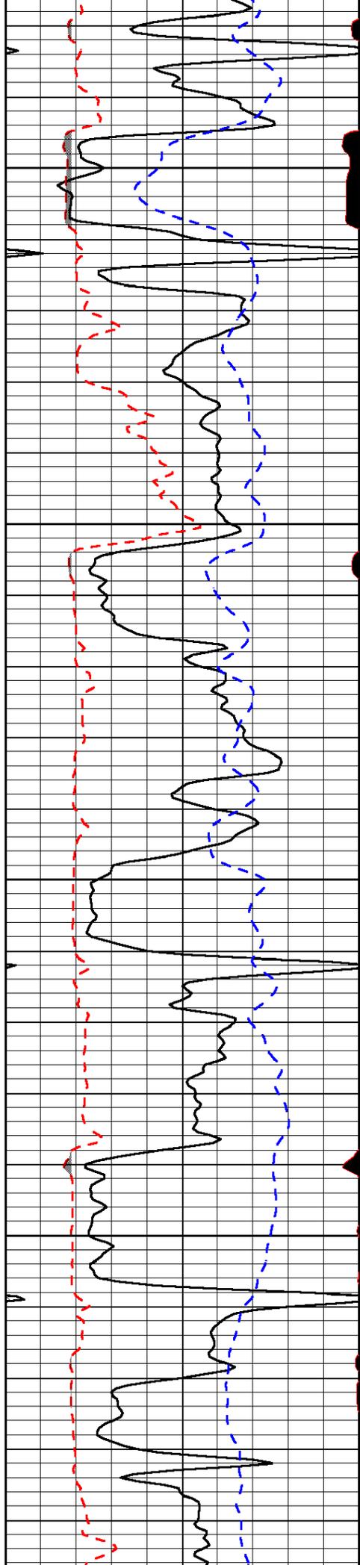
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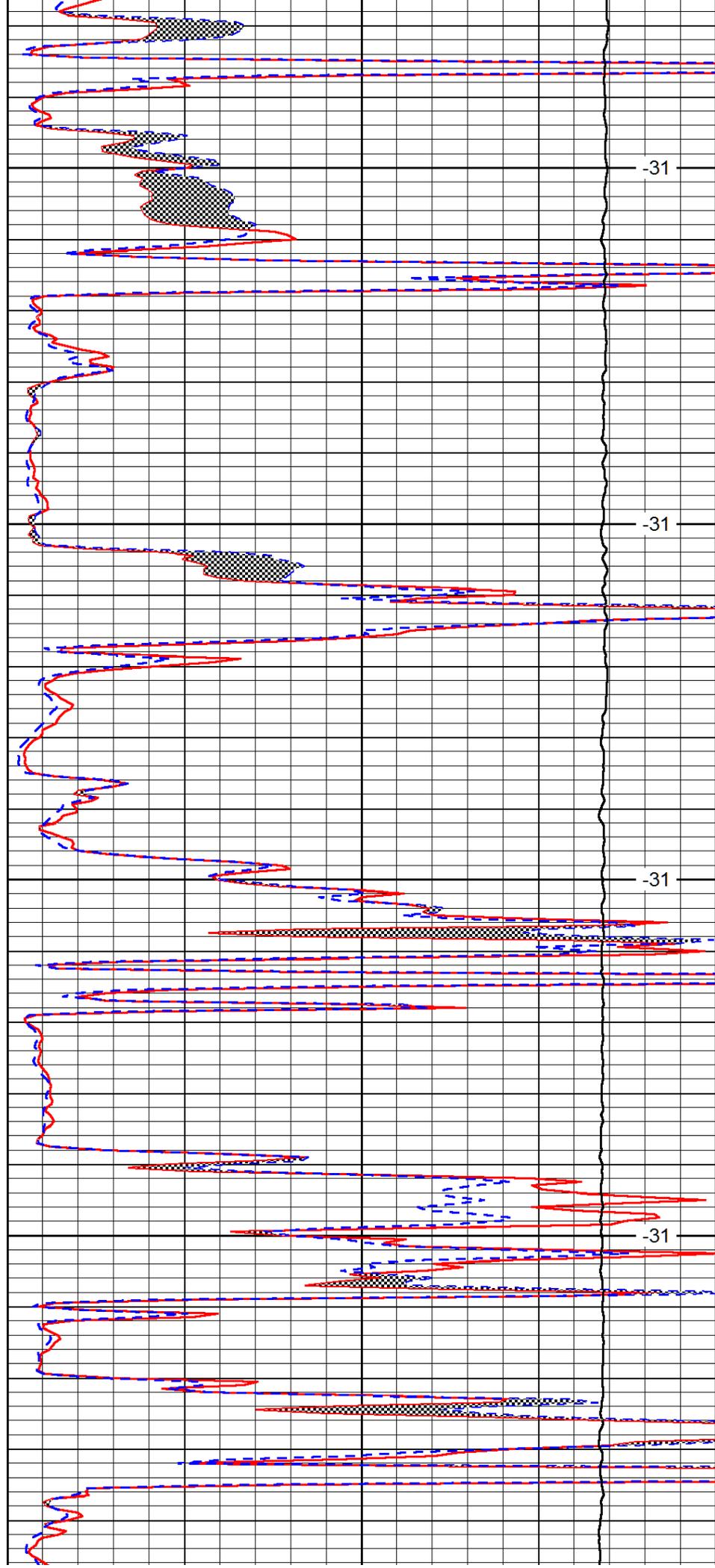


3650

3700

3750

3800

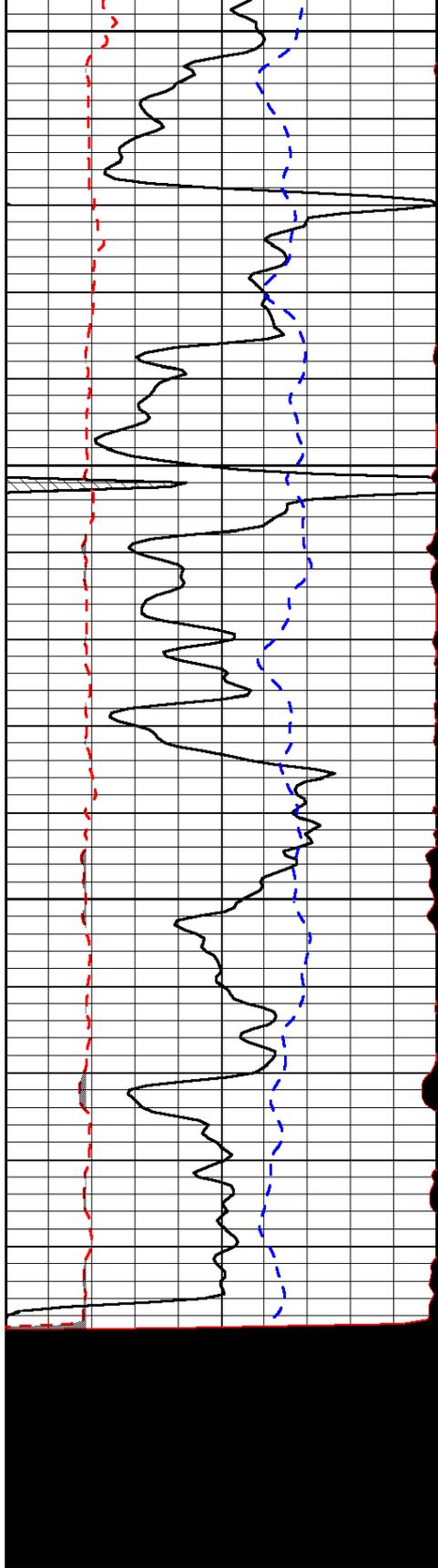


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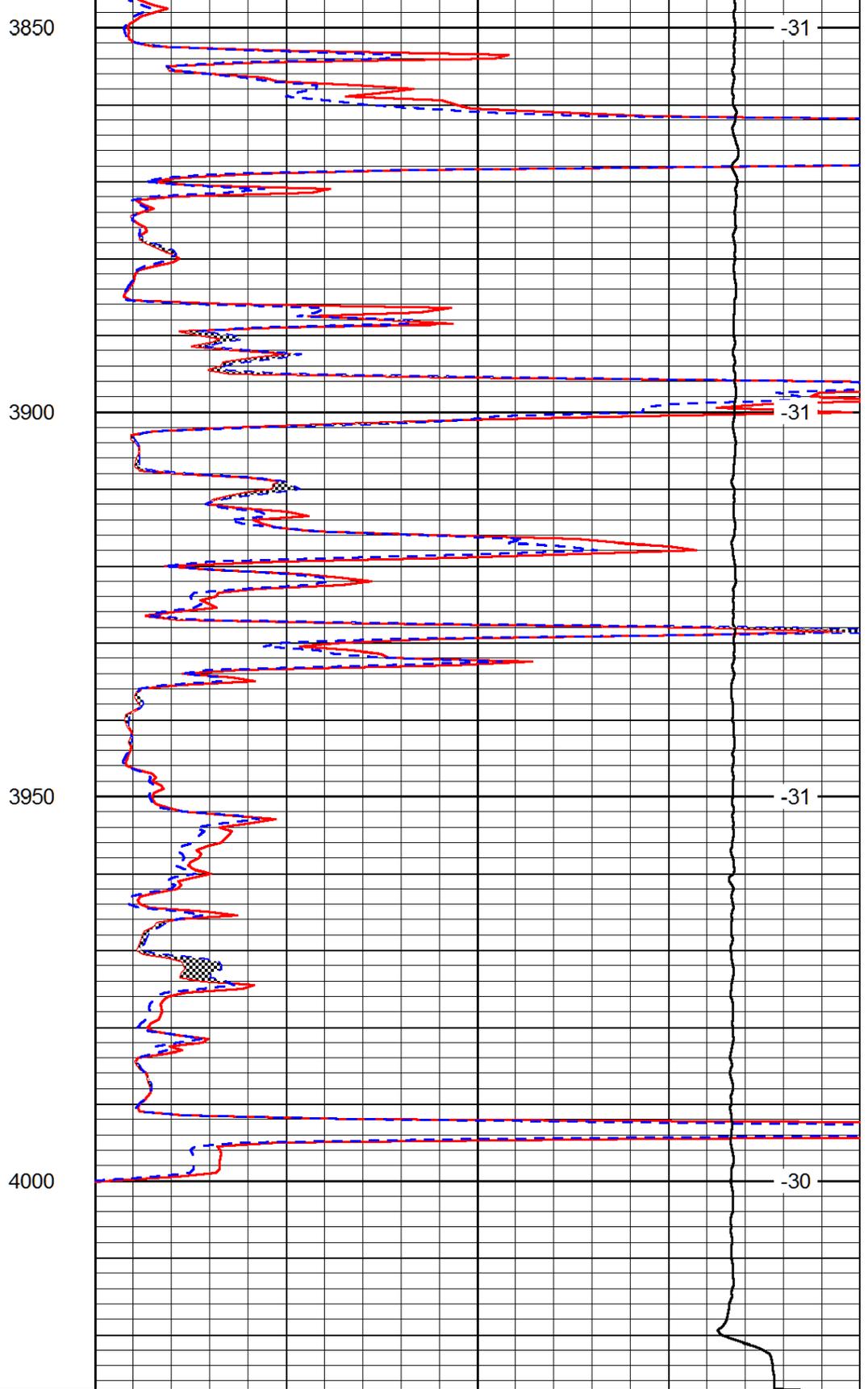
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