



# Microresistivity Log

**DIGITAL LOG** (785) 625-3858

API No.	15-179-21,214-00-00		
Company	Murfin Drilling Company, Inc.		
Well	Kenalwhit Unit No. 1-21		
Field	Lombardy		
County	Sheridan	State	Kansas
Location	1380' FNL & 1870' FWL		
Sec: 21	Twp: 9S	Rge: 27W	
Permanent Datum	Ground Level	Elevation 2740	Other Services CNL/CDL DIL
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Frotkelly Bushing		K.B. 2745 D.F. 2743 G.L. 2740

Date	11/17/2008
Run Number	Two
Depth Driller	4500
Depth Logger	4504
Bottom Logged Interval	4503
Top Log Interval	3500
Casing Driller	8.625 @ 290
Casing Logger	288
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2.800
Density / Viscosity	9.1   59
pH / Fluid Loss	11.5   5.6
Source of Sample	Flowline
Rm @ Meas. Temp	1.1 @ 65
Rmf @ Meas. Temp	.825 @ 65
Rmc @ Meas. Temp	1.48 @ 65
Source of Rmf / Rmc	Charts
Rm @ BHT	.58 @ 123
Operating Rig Time	3 Hours
Max Rec. Temp. F	123
Equipment Number	10
Location	Hays
Recorded By	Jason Wellbrock
Witnessed By	Brad Rine

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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

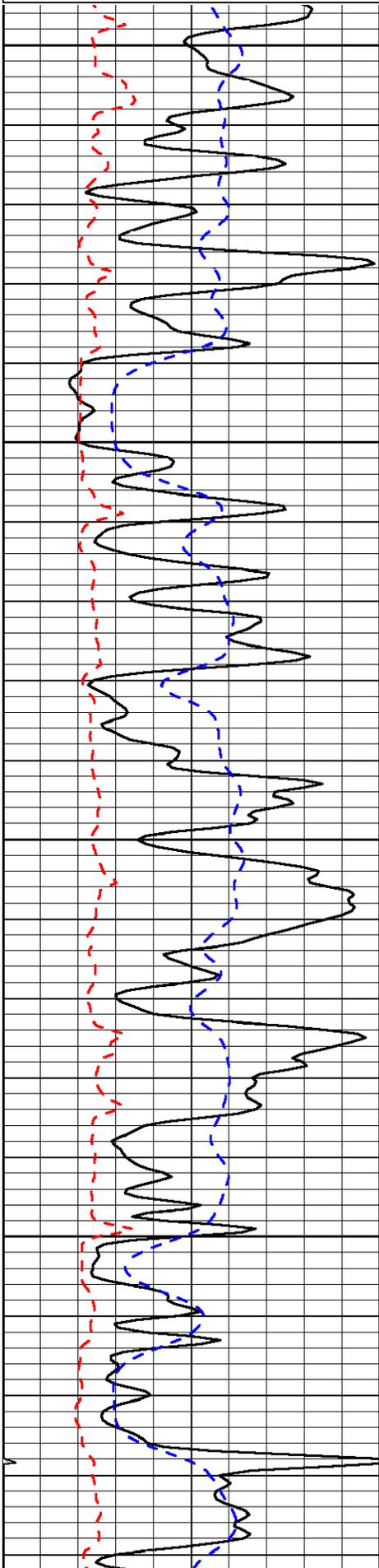
I-70 N towards Hoxie 11 N to rd 70, 5 E, S Into

Database File: c:\warrior\data\murfin\_kenalwhit unit no. 1-21\murfhd.db  
 Dataset Pathname: dil/murf2in  
 Presentation Format: micro  
 Dataset Creation: Mon Nov 17 06:05:56 2008  
 Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD

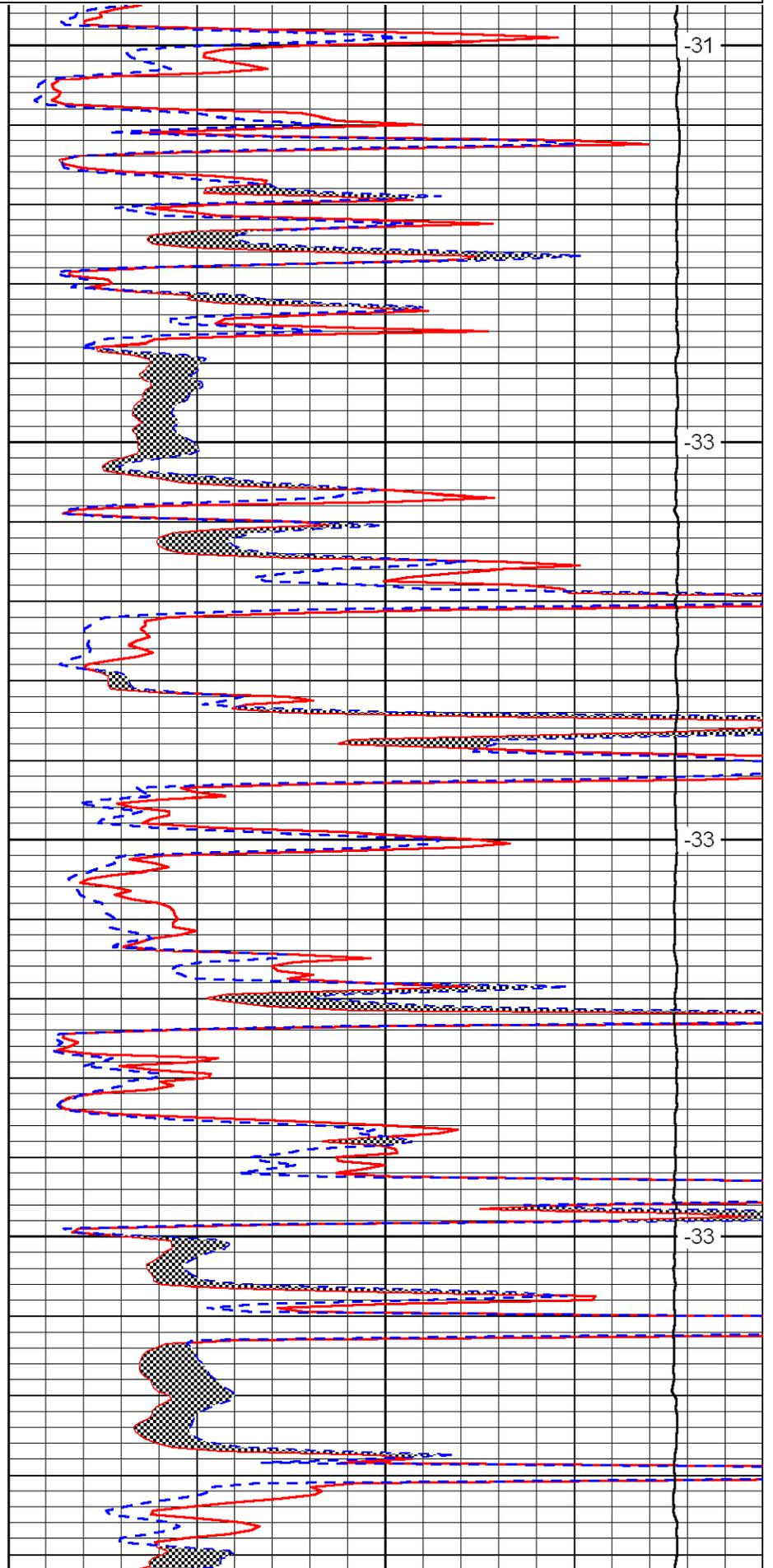


3500

3550

3600

3650

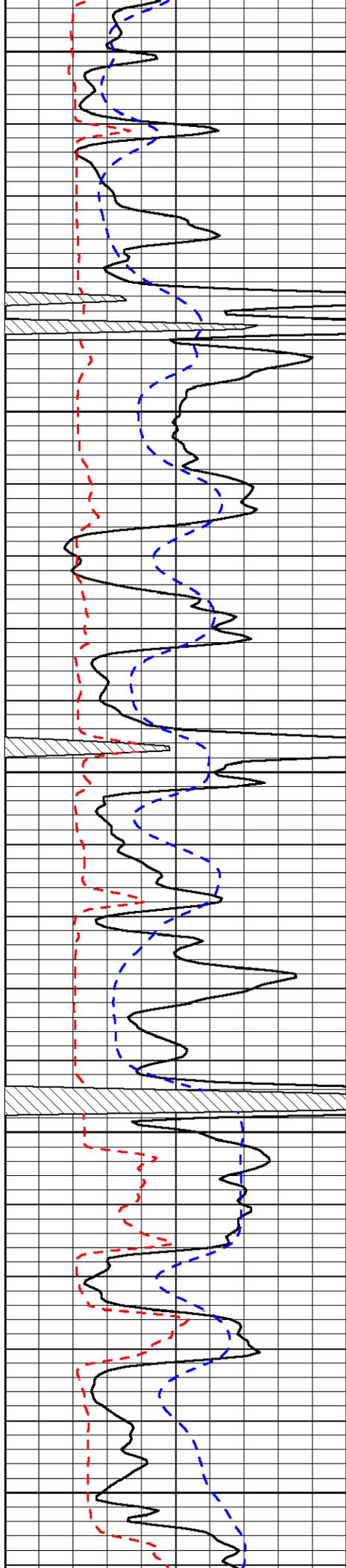


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-33

-33

-33



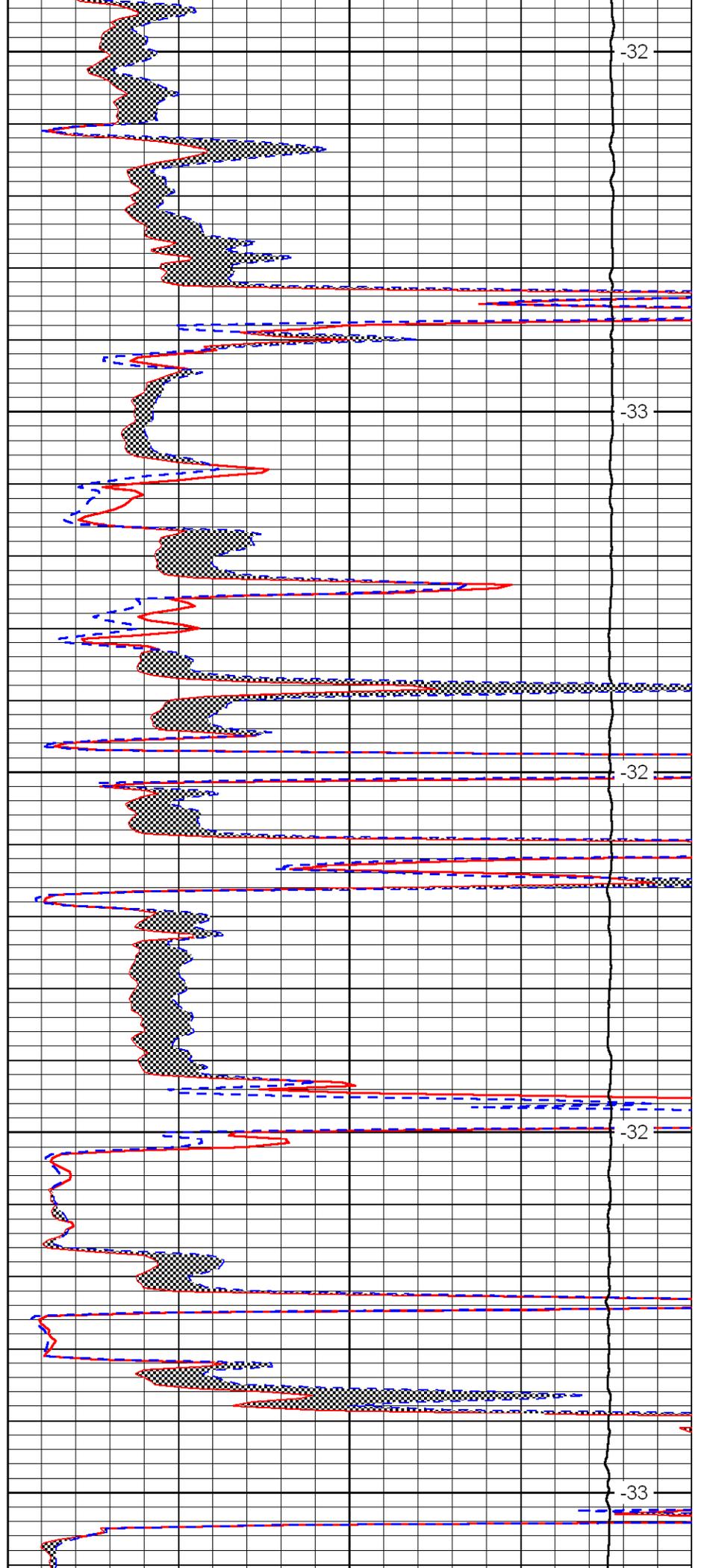
3700

3750

3800

3850

3900



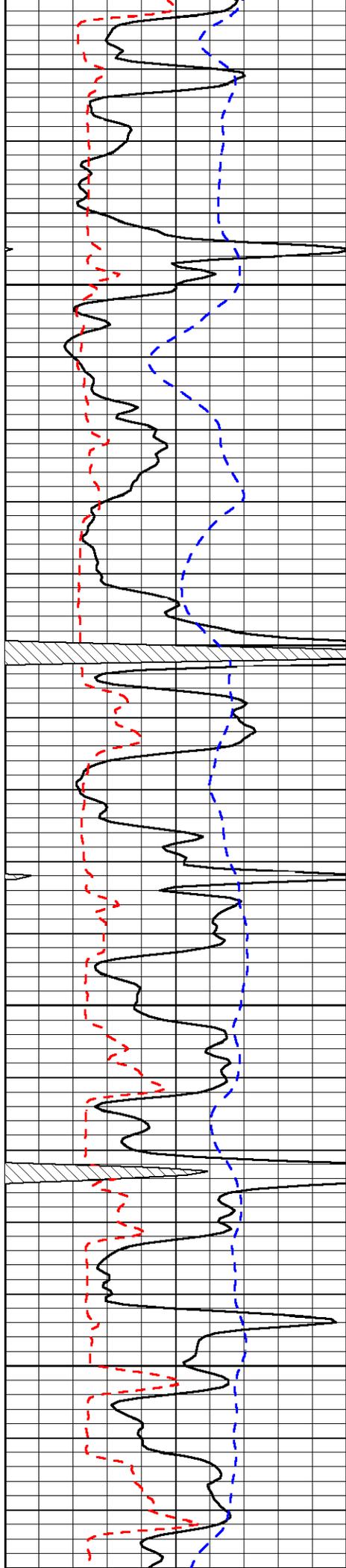
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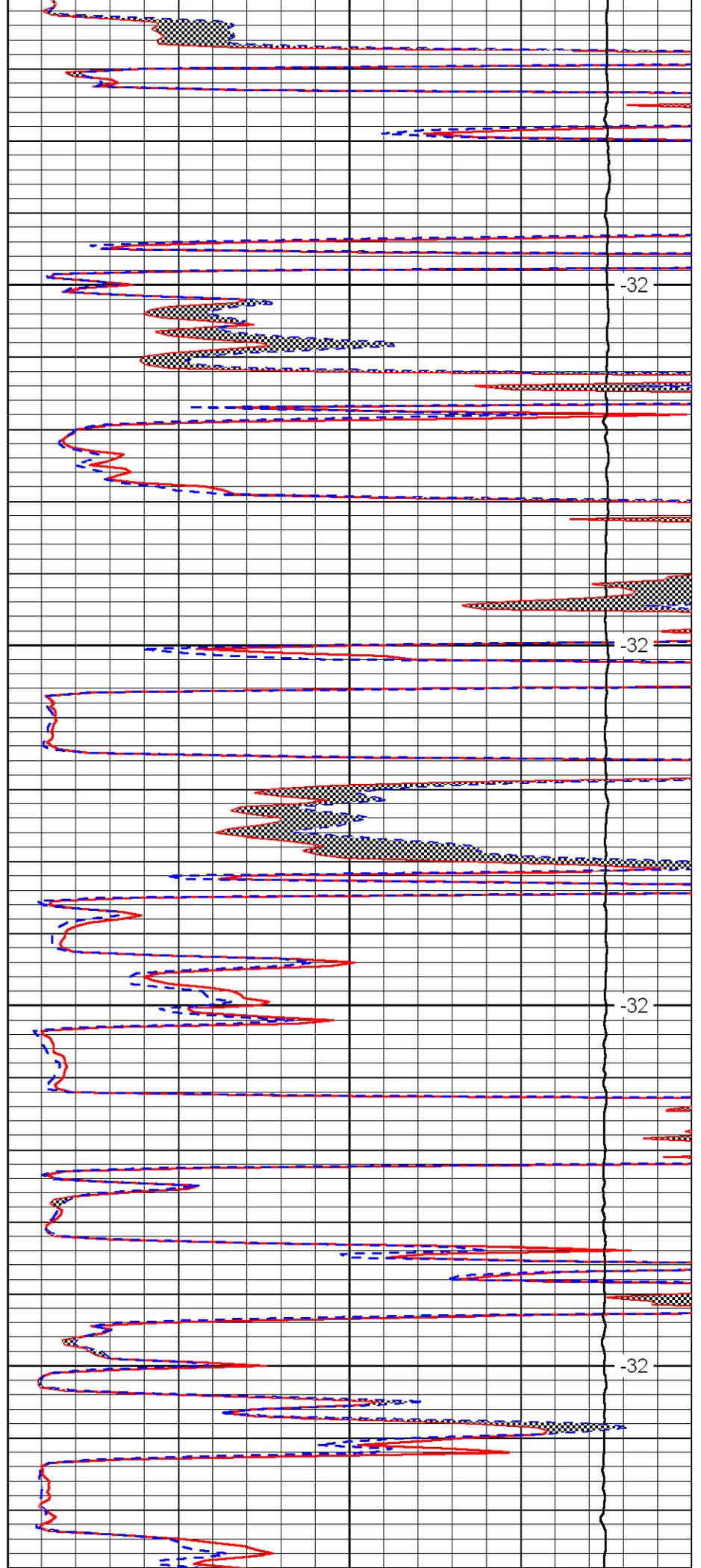


3950

4000

4050

4100

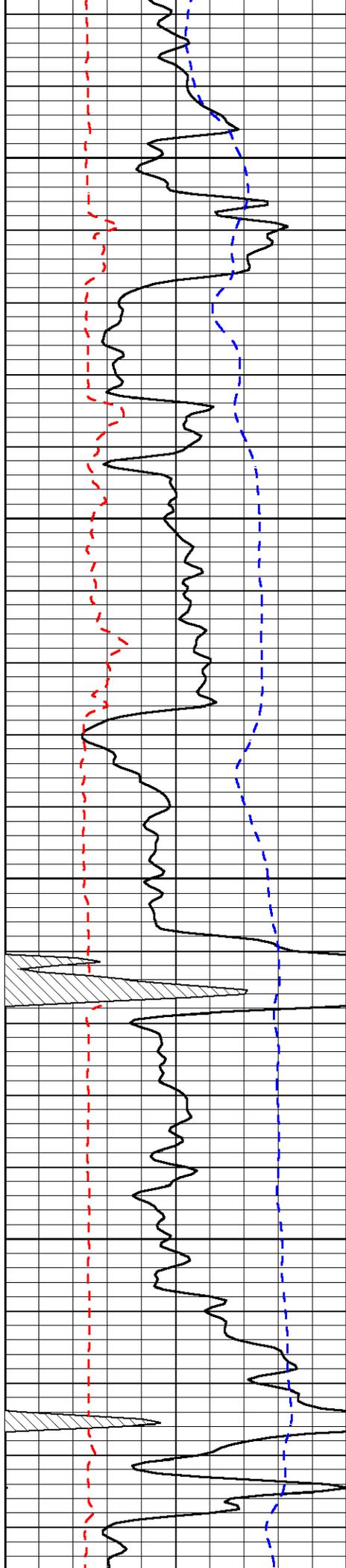


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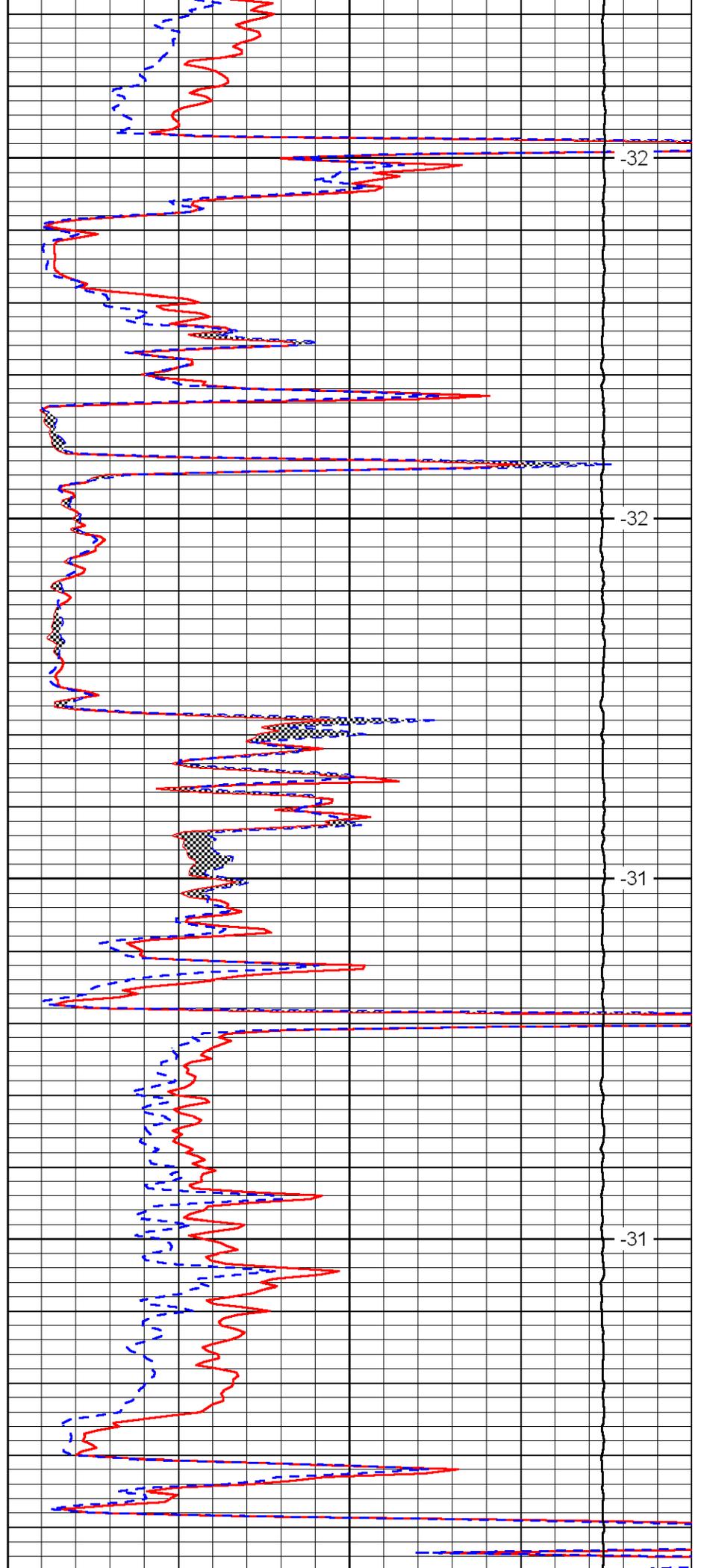


4150

4200

4250

4300

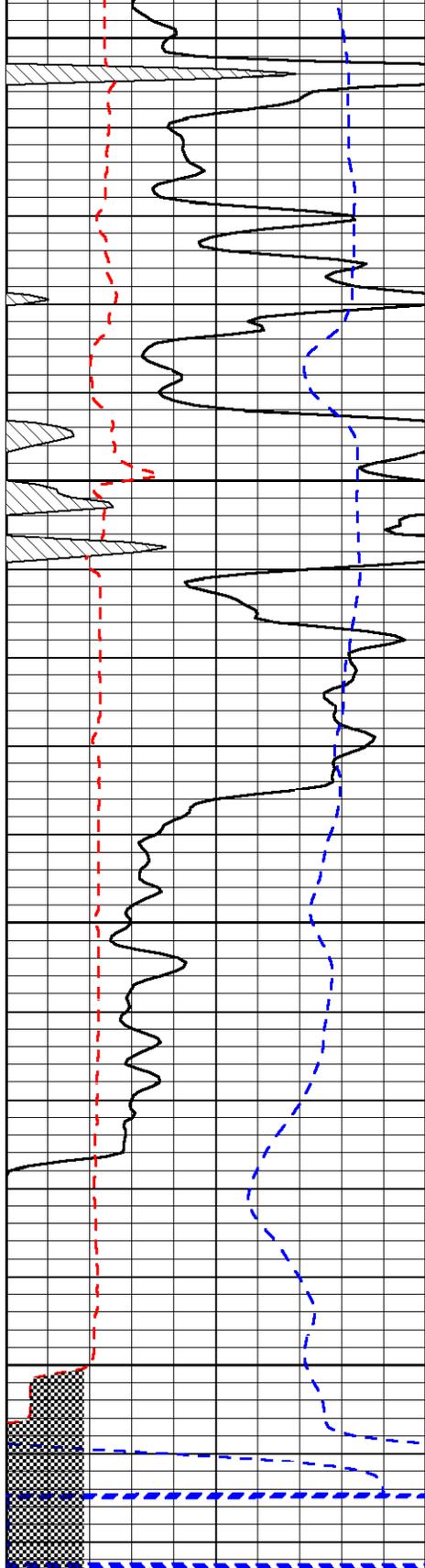


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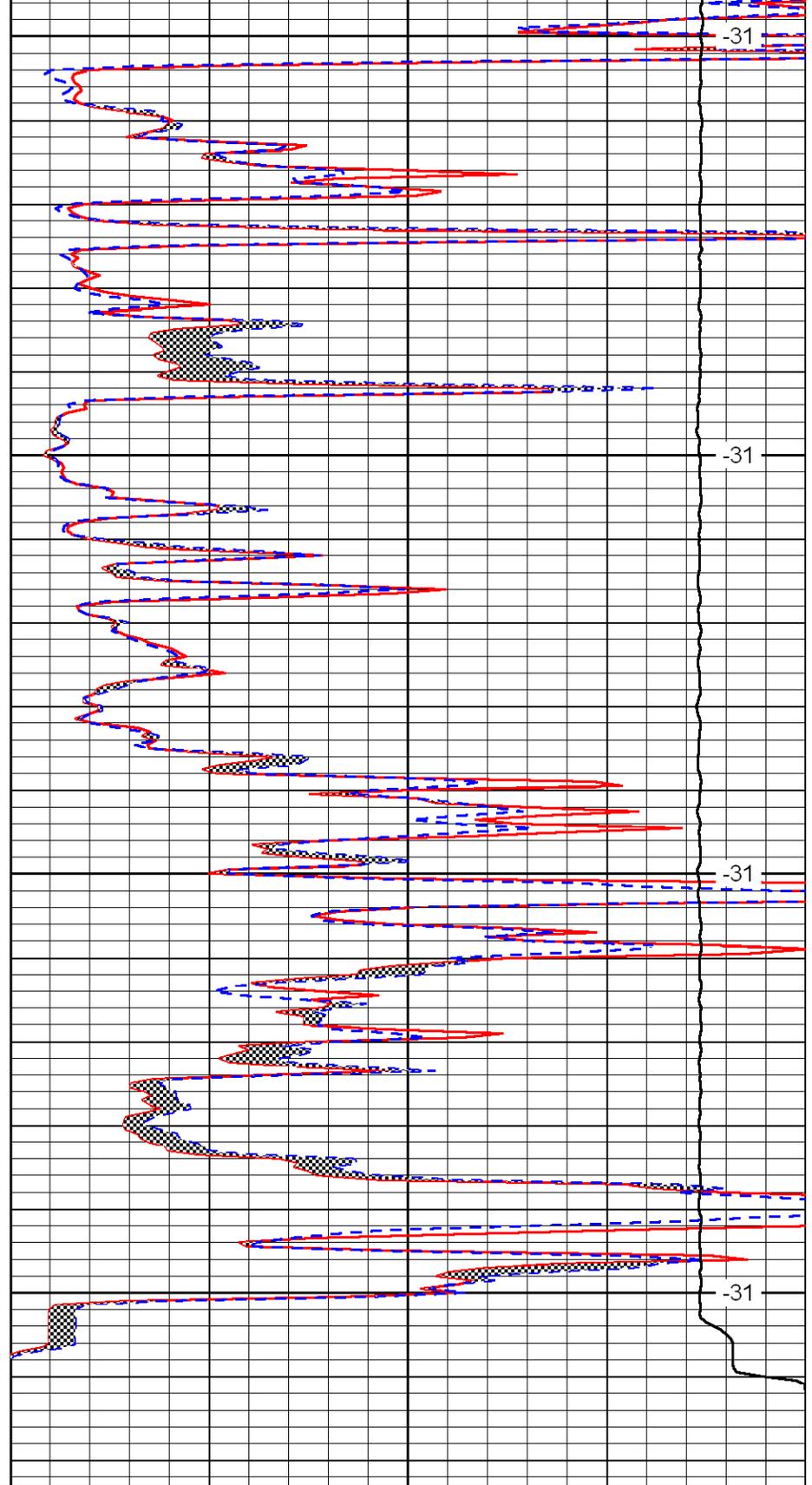
4350

4400

4450

4500

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