



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	API 15-145-21,579-00-00		
Company	Murfin Drilling Company, Inc.		
Well	Northglenn No. 1-28		
Field	Wildcat		
County	Pawnee	State	Kansas
Location	2,310' FNL & 450' FWL		
Sec: 28	Twp: 22S	Rge: 15W	
Permanent Datum	Ground Level	Elevation 2002	Other Services CNL/CDL DIL/BHCS
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Frotkelly Bushing		K.B. 2007 D.F. 2002 G.L. 2002

Date	2/12/09	
Run Number	Two	
Depth Driller	4080	
Depth Logger	4074	
Bottom Logged Interval	4073	
Top Log Interval	2800	
Casing Driller	8,625 @ 618	
Casing Logger	616	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	10500	
Density / Viscosity	9.2	46
pH / Fluid Loss	10.0	10.2
Source of Sample	Flowline	
Rm @ Meas. Temp	.8 @ 58	
Rmf @ Meas. Temp	.60 @ 58	
Rmc @ Meas. Temp	1.08 @ 58	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.39 @ 119	
Operating Rig Time	4.5 Hours	
Max Rec. Temp. F	119	
Equipment Number	17	
Location	Hays	
Recorded By	J. Long	
Witnessed By	Terry McLeod	
	M. Garrison	

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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

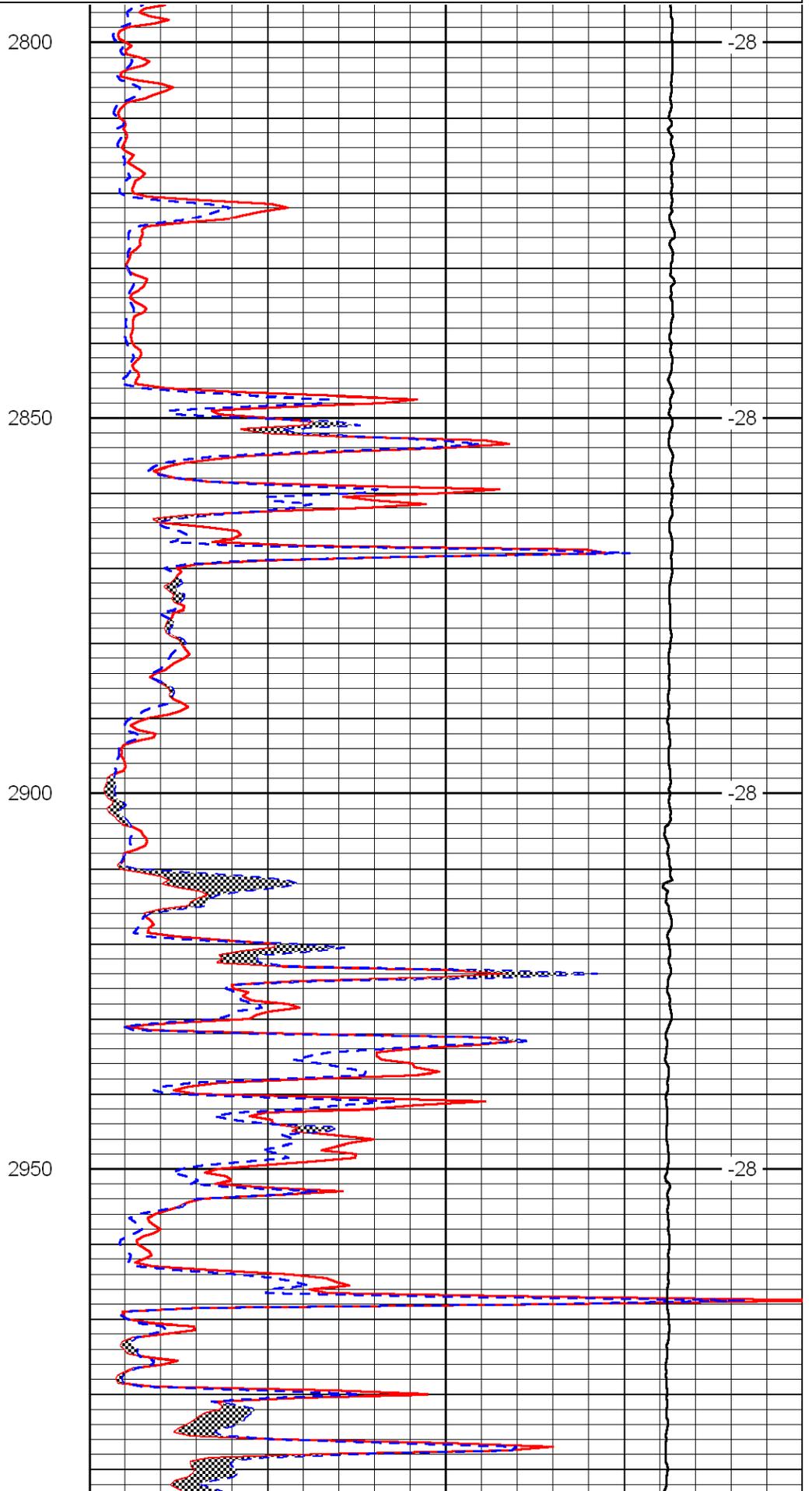
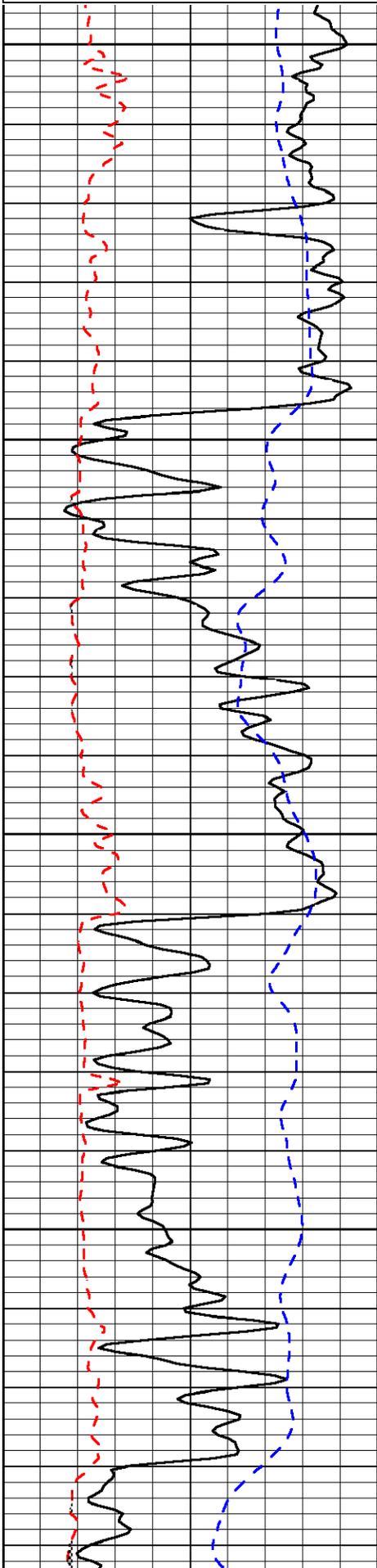
Larned, on Highway 19, 6 E to 50th Rd, 3 1/4 S, E Into

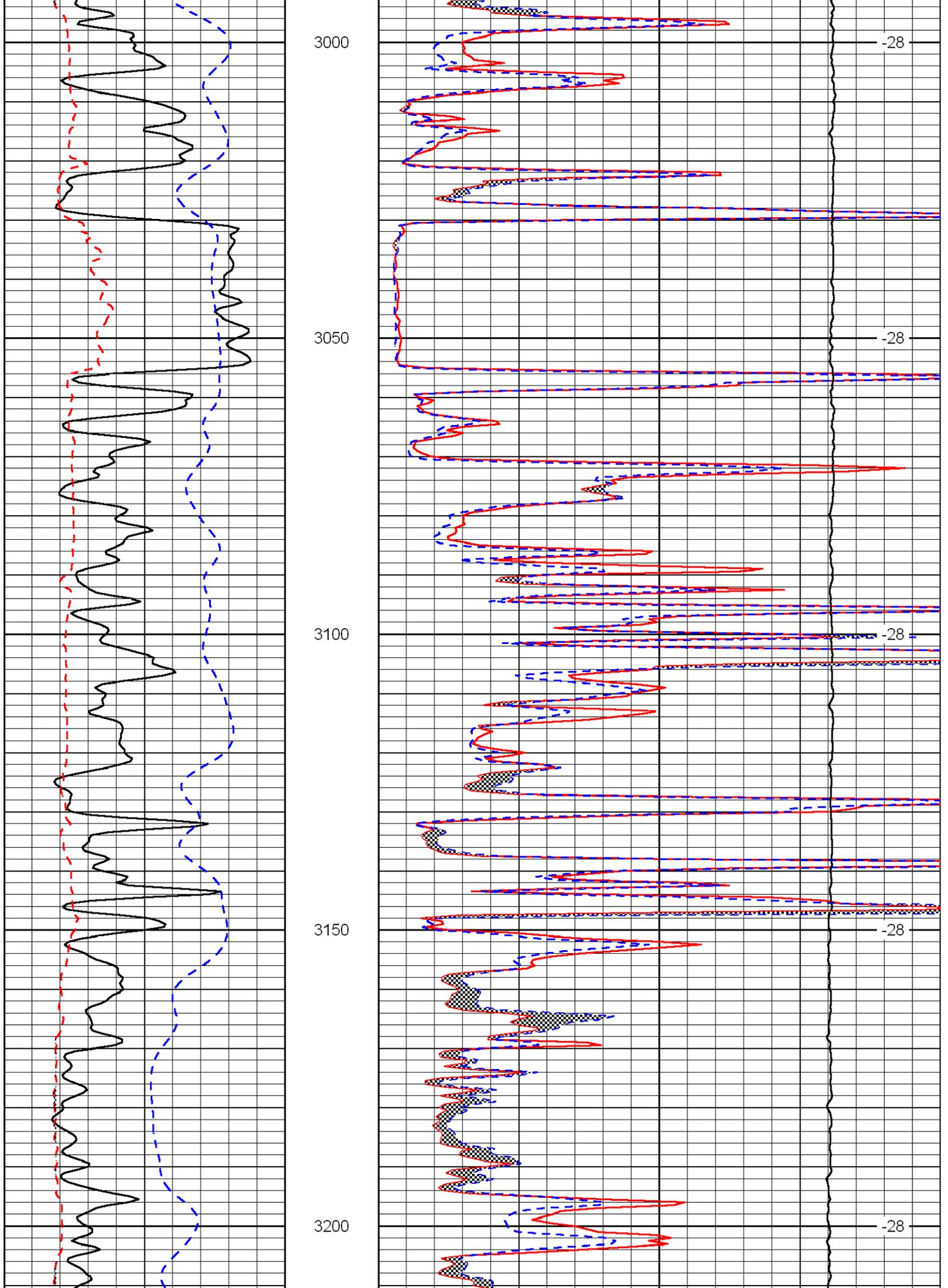
Database File:	c:\warrior\data\murfin_northglenn no. 1-28\murfinhd.db
Dataset Pathname:	dil\murfstk
Presentation Format:	micro
Dataset Creation:	Thu Feb 12 09:51:43 2009
Charted by:	Depth in Feet scaled 1:240

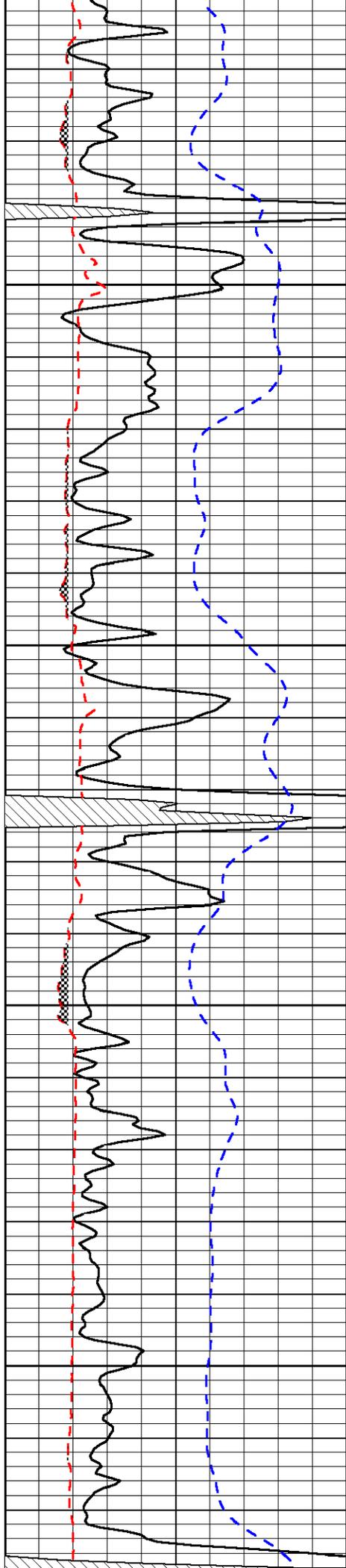
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP	0

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

LSPD





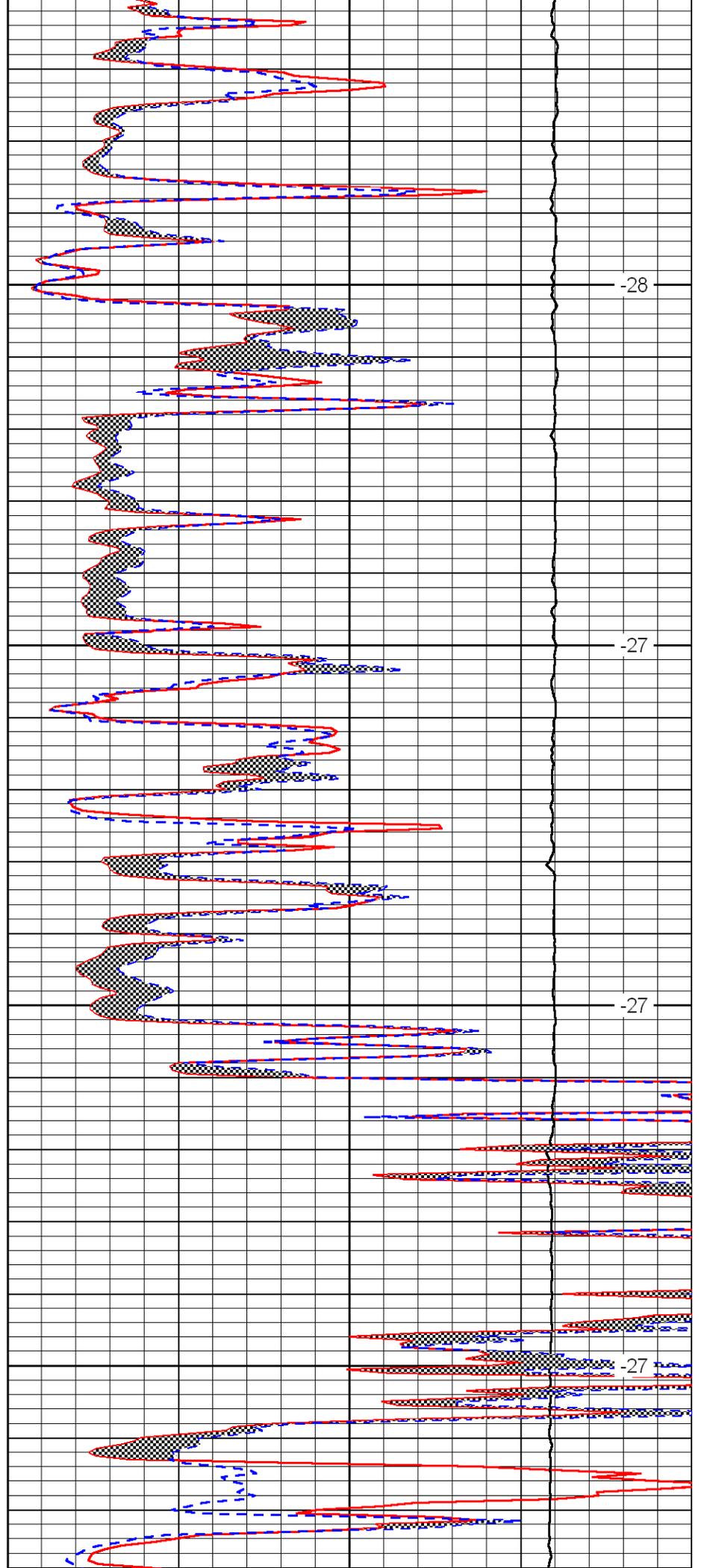


3250

3300

3350

3400

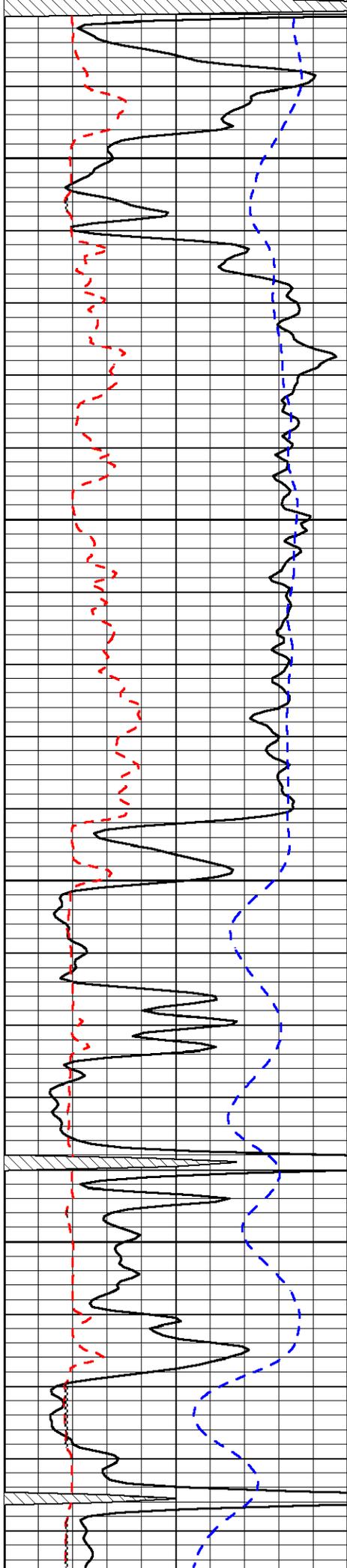


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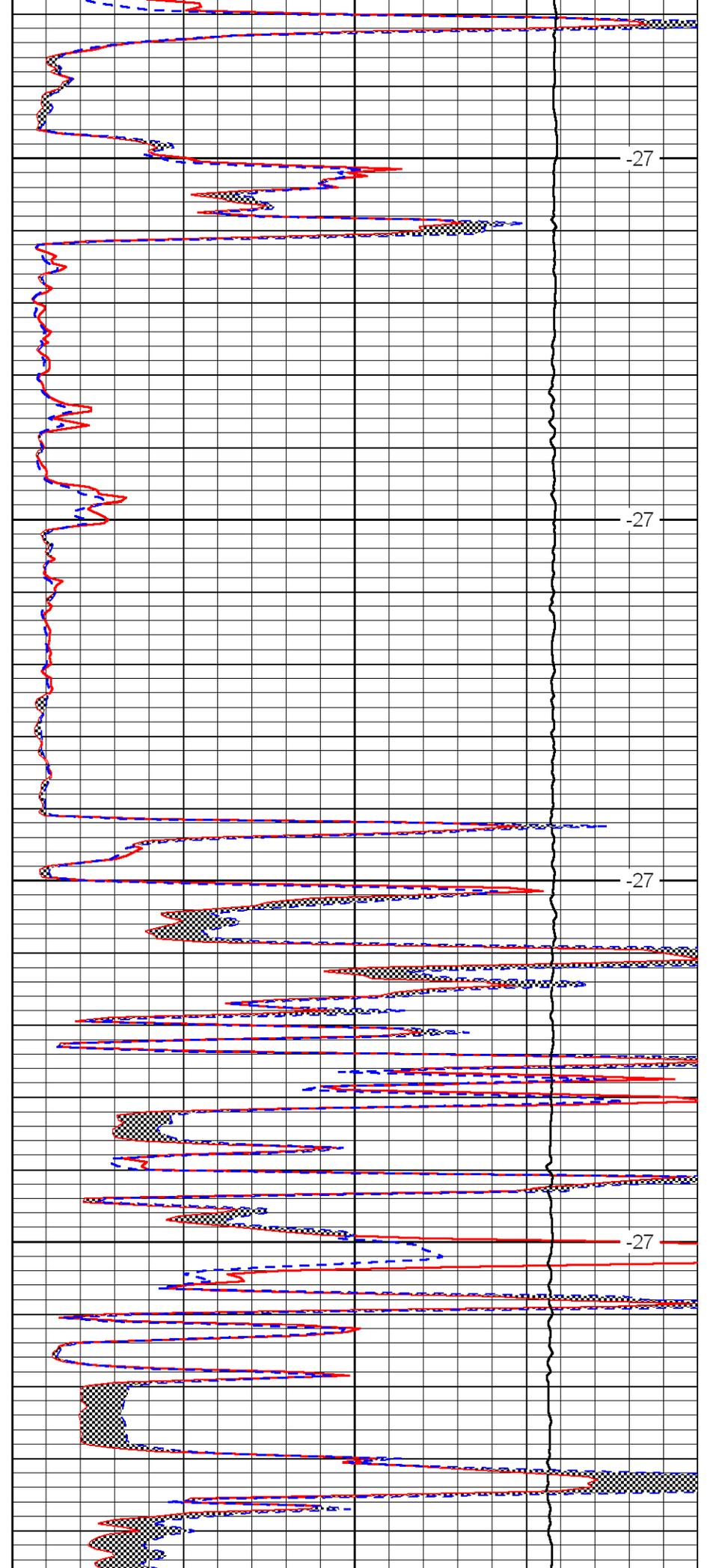


3450

3500

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3600

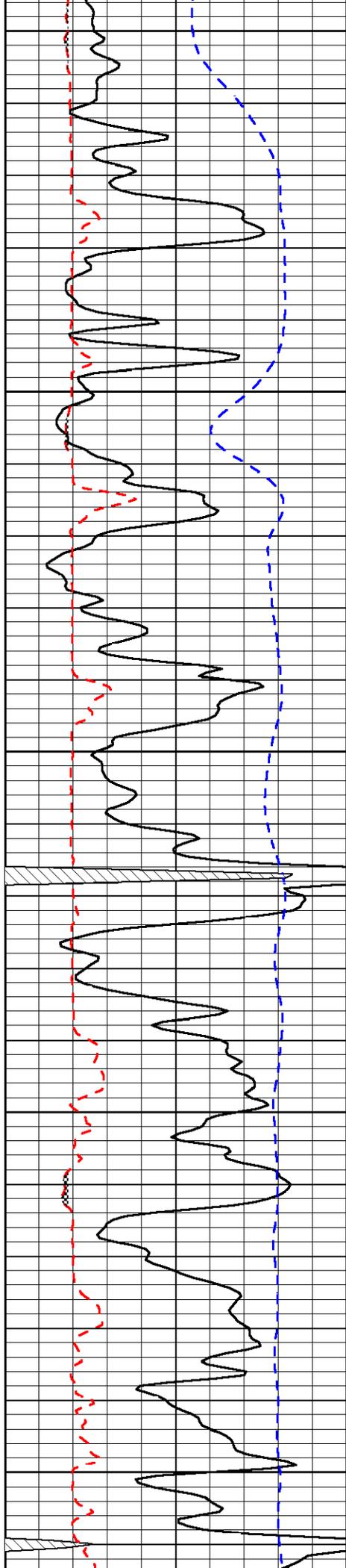


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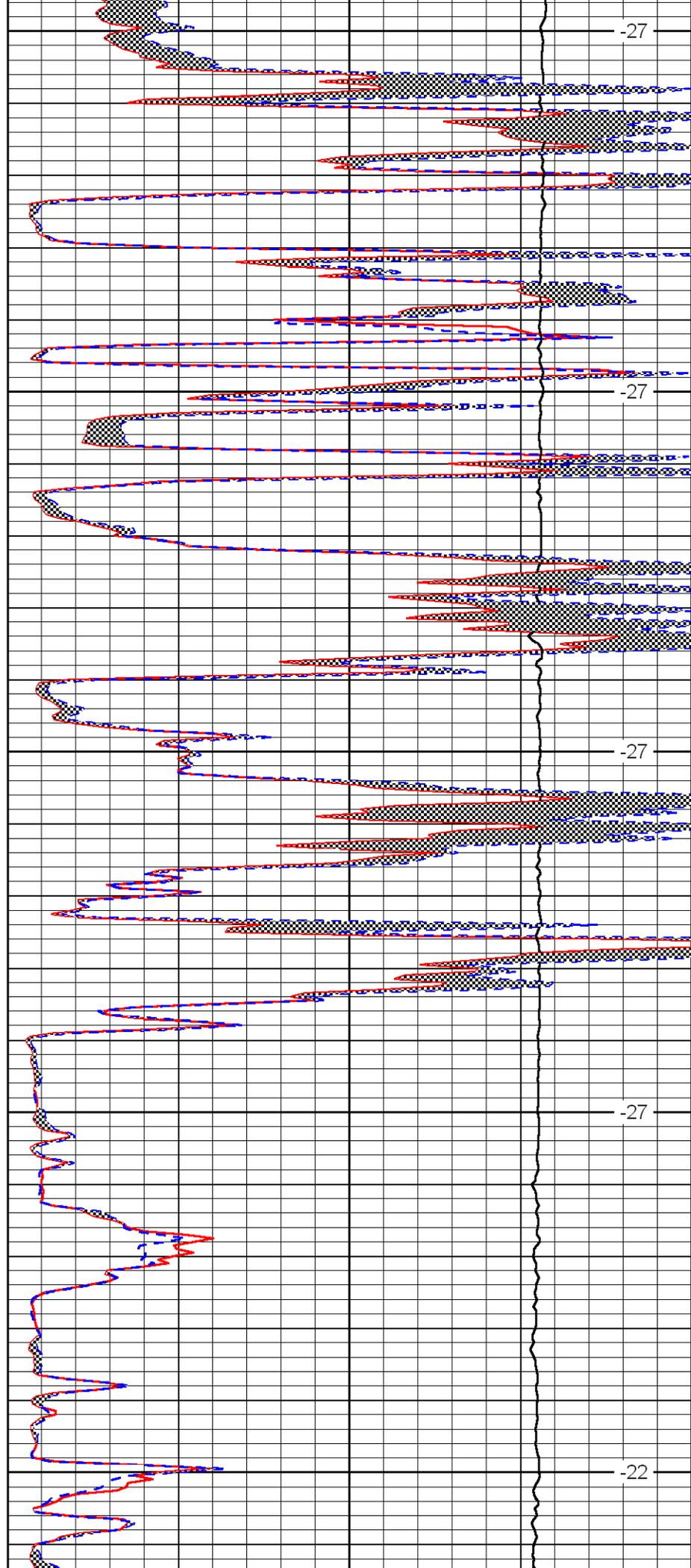
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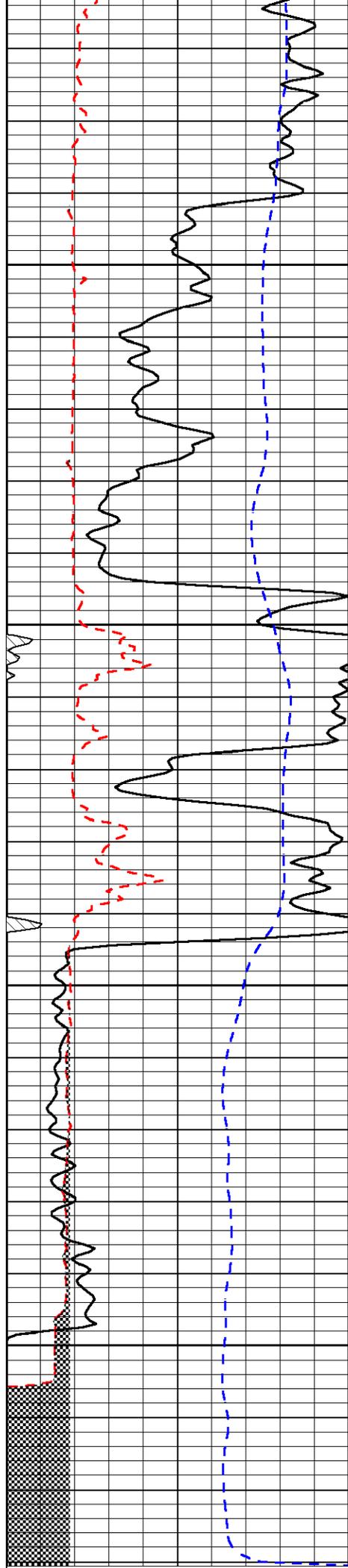
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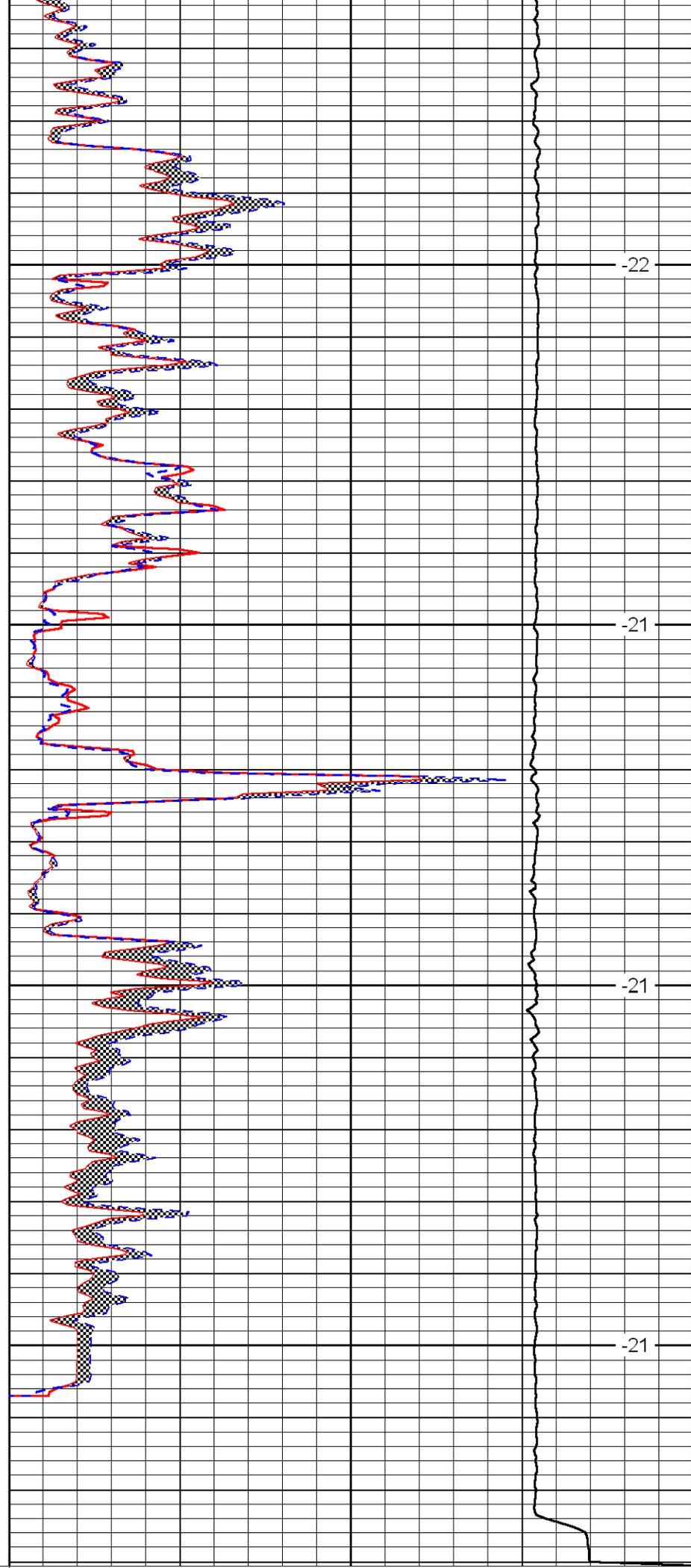


3900

3950

4000

4050



-22

-21

-21

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