



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	Company Mid-Continent Resources, Inc.		
15-193-20804-00-00	Well Moorhous #9-31		
	Field Campus North		
	County Thomas State Kansas		
	Location	NW SE SE SW 502' FSL / 2202' FWL	Other Services CNL / CDL DIL / BHCS
	Sec: 31	Twp: 10S	Rge: 31W
Permanent Datum	Ground Level	Elevation 3017	
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	K.B. 3025
Drilling Measured From	Kelly Bushing		D.F. 3017
Date	8/10/2011		
Run Number	Two		
Depth Driller	4725		
Depth Logger	4720		
Bottom Logged Interval	4719		
Top Log Interval	3650		
Casing Driller	8.625 @ 267		
Casing Logger	262		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3000		
Density / Viscosity	9.3 48		
pH / Fluid Loss	10.0 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.40 @ 90		
Rmf @ Meas. Temp	1.05 @ 90		
Rmc @ Meas. Temp	1.89 @ 90		
Source of Rmf / Rmc	Charts		
Rm @ BHT	1.02 @ 123		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	123		
Equipment Number	15		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Jeff Lawler		

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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.

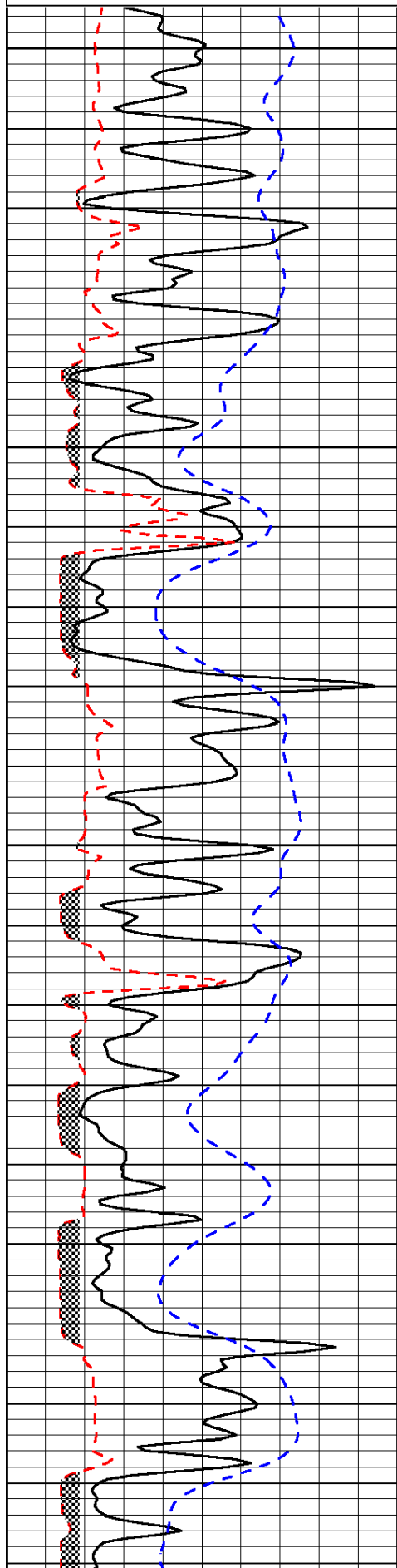
Comments

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

Oakley, KS:
From Mittens: 1W, 1N, 1/4E, N into

Database File: c:\warrior\data\mid-continent res_moorhous #9-31\mid-cohd.db
Dataset Pathname: dil/midmain
Presentation Format: micro
Dataset Creation: Wed Aug 10 02:12:04 2011
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

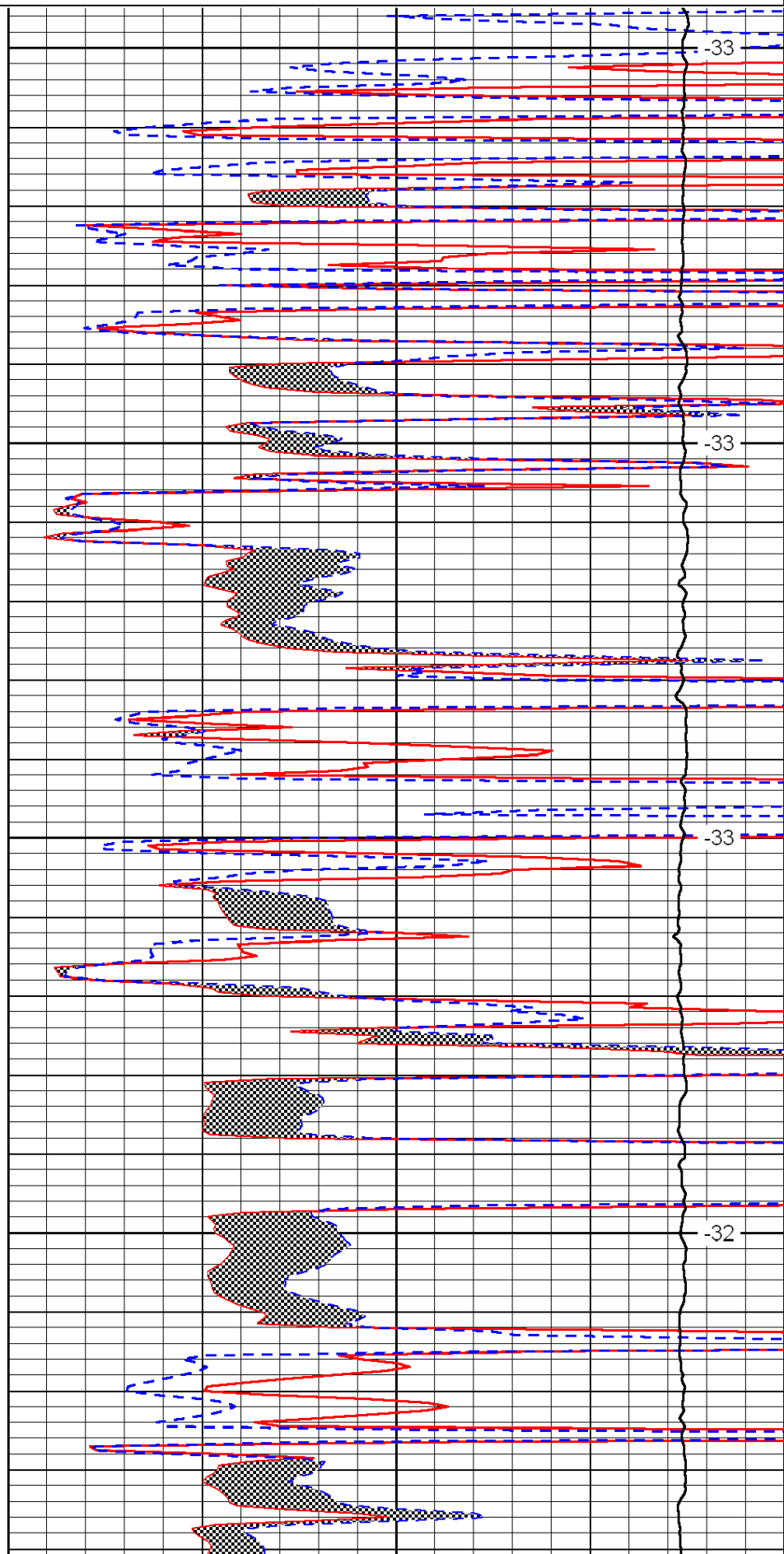


3650

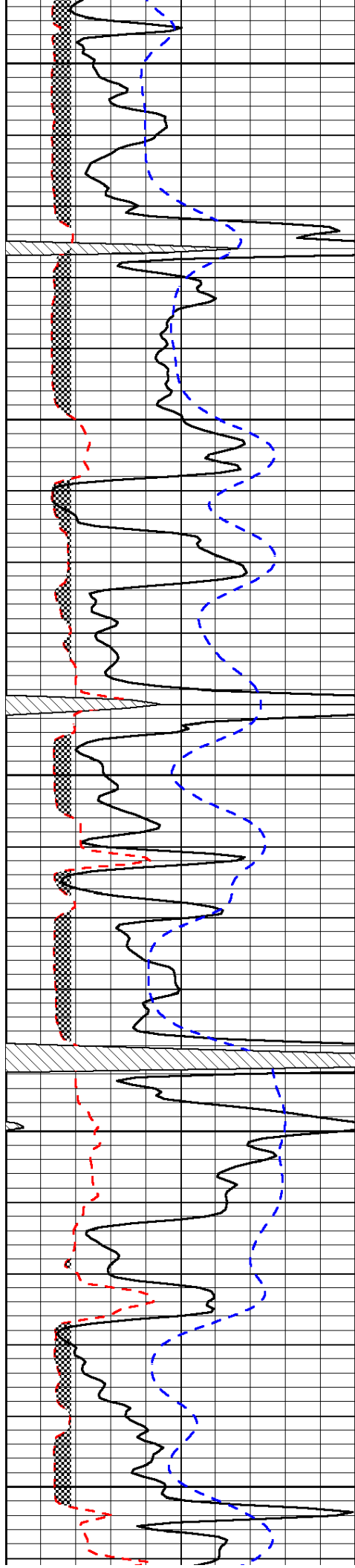
3700

3750

3800



LSPD



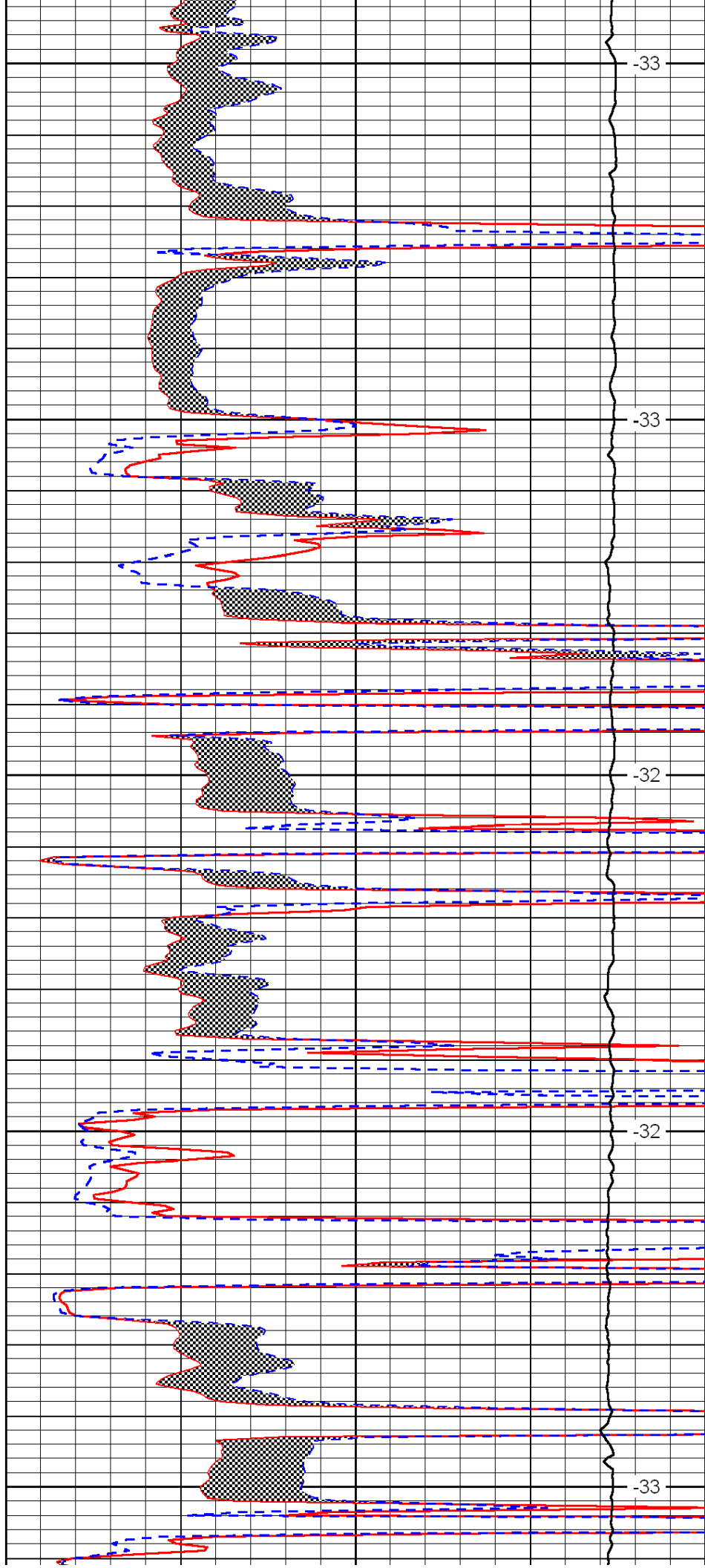
3850

3900

3950

4000

4050



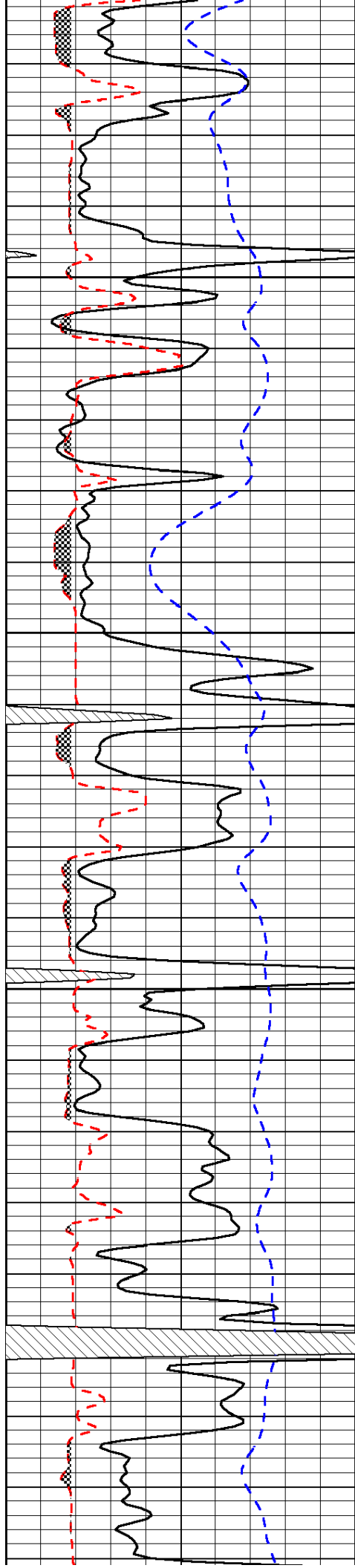
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-32

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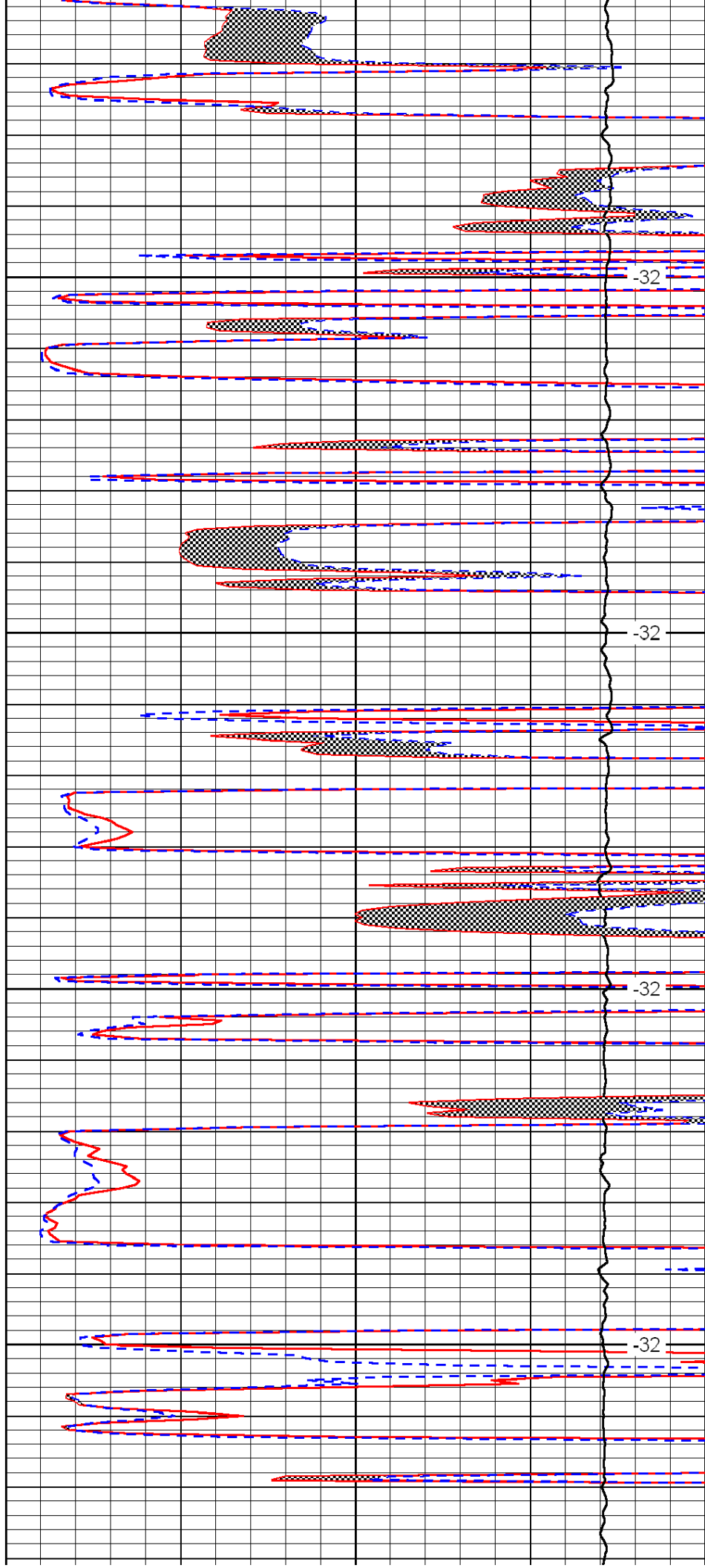


4100

4150

4200

4250

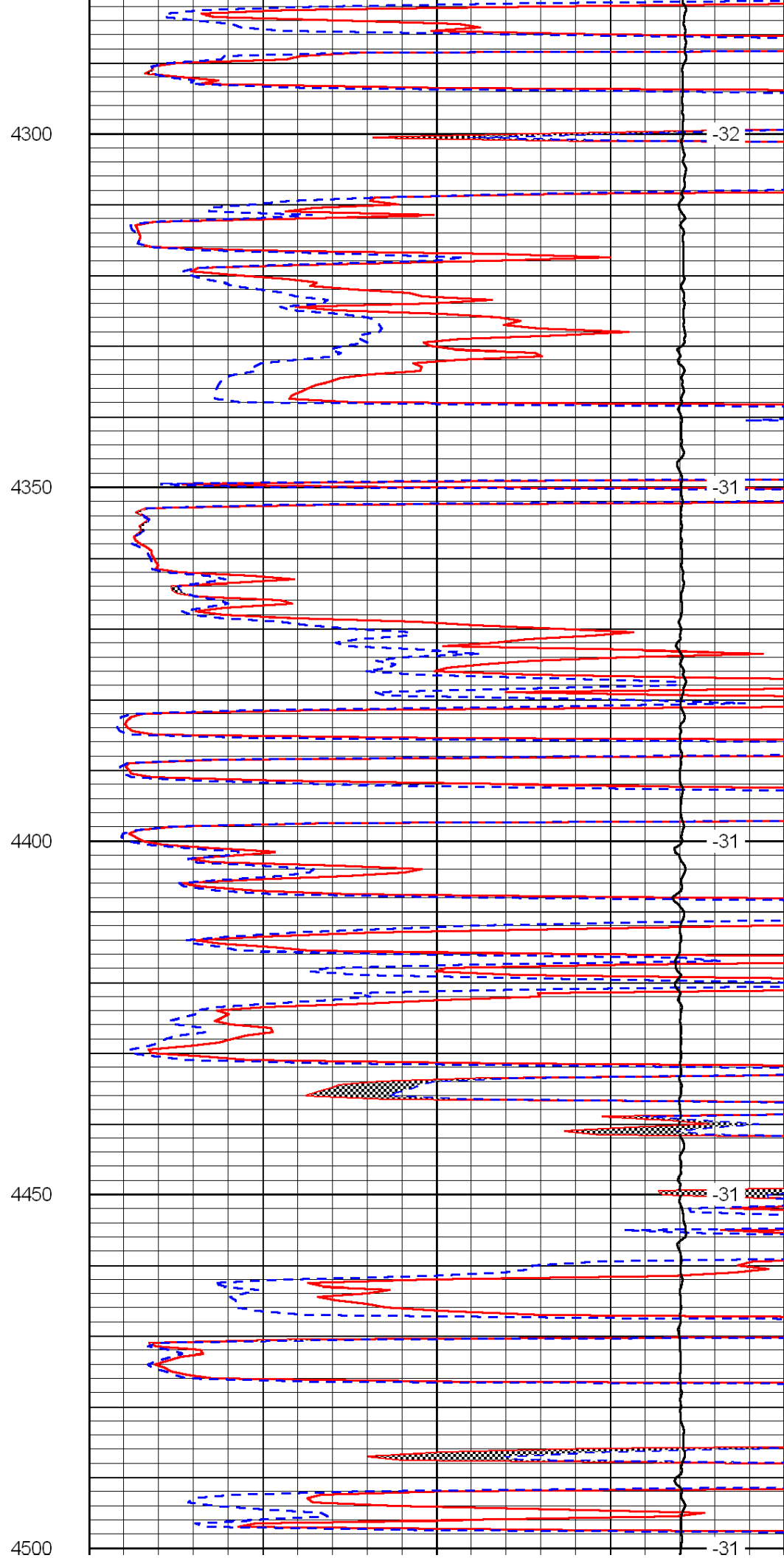
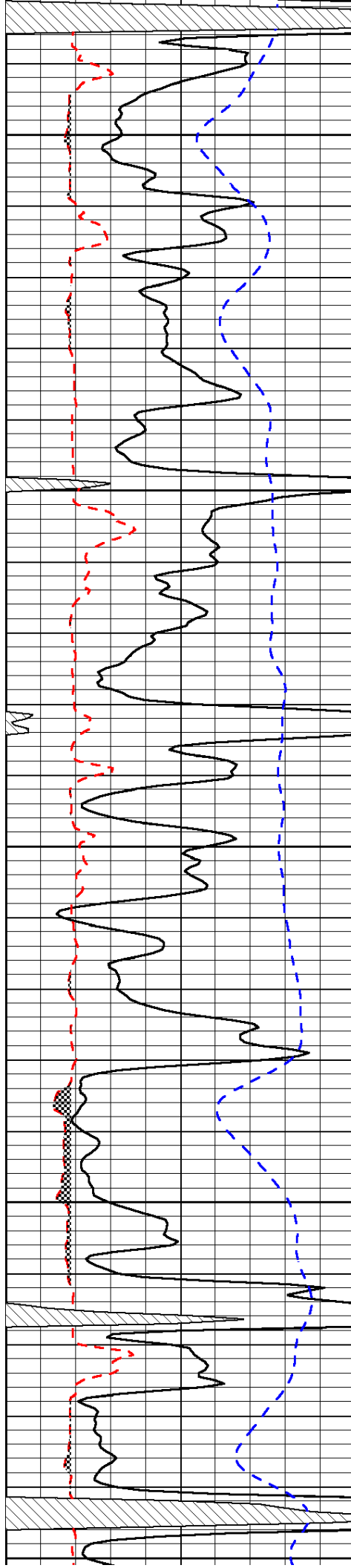


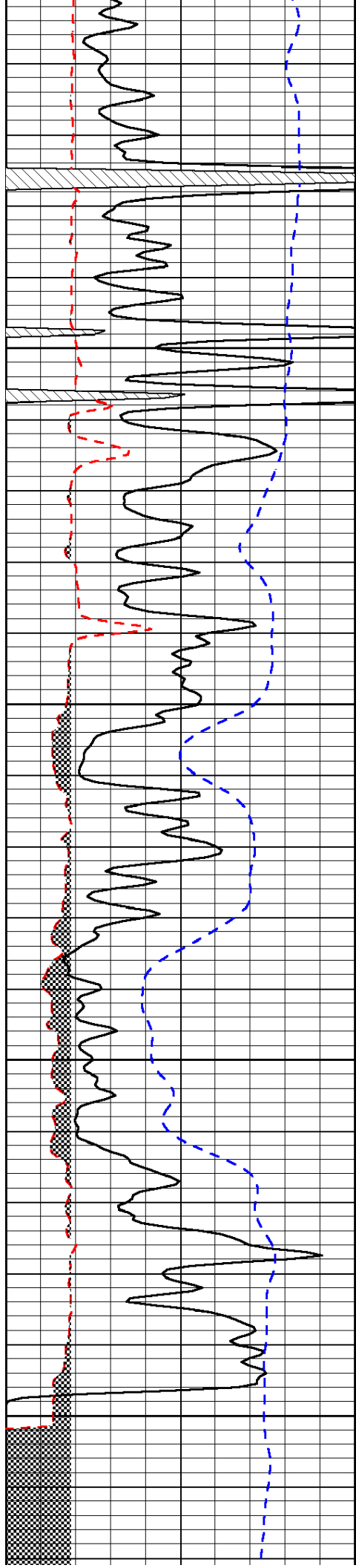
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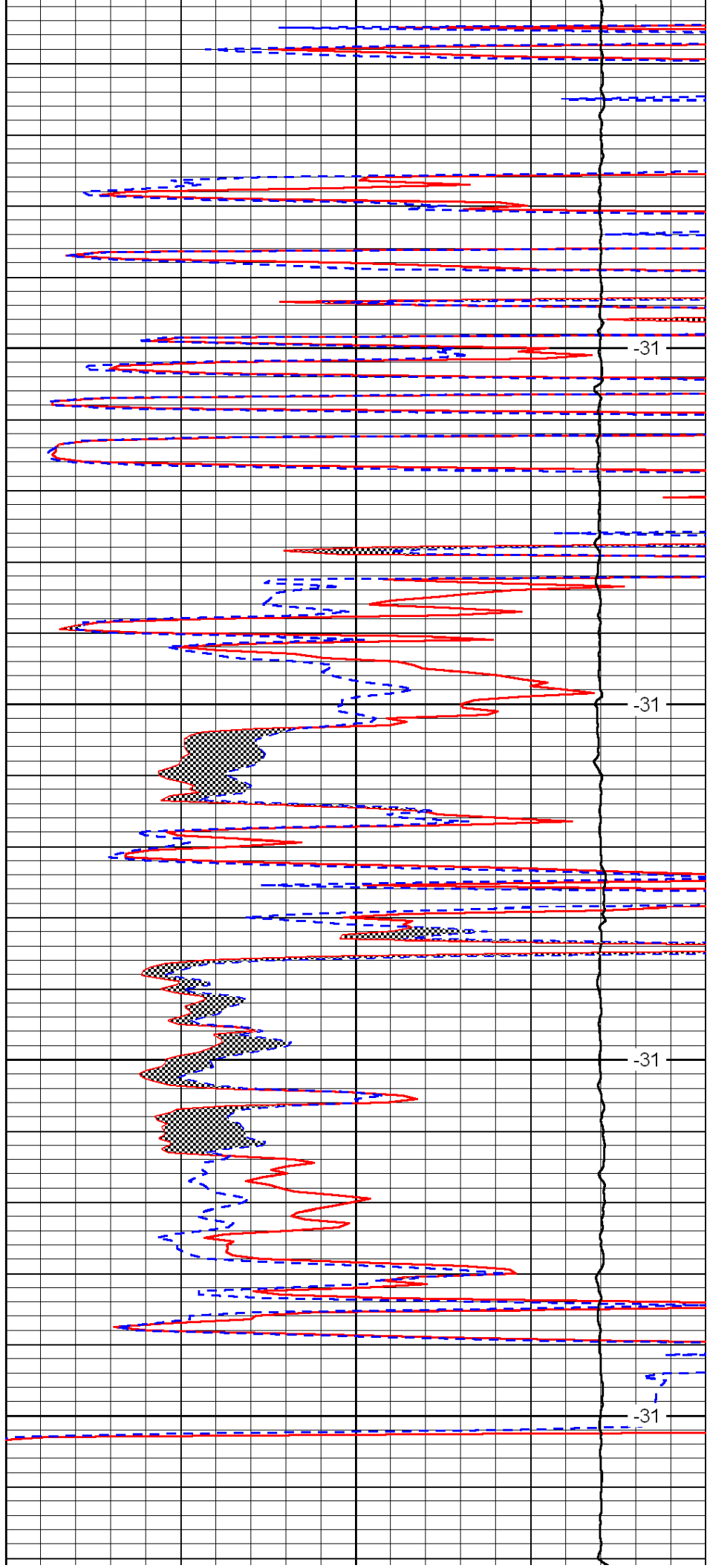


4550

4600

4650

4700



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