



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	15-193-20,839-00-00		
Company	Murfin Drilling Co., Inc.		
Well	Frahm "B" #1-21		
Field	Wildcat		
County	Thomas	State	Kansas
Location	2309' FSL / 335' FWL		
Sec: 21	Twp: 10 S	Rge: 34 W	Other Services CNL/CDL DIL/BHCS
Permanent Datum	Ground Level	Elevation 3236	Elevation
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	K.B. 3247
Drilling Measured From	Kelly Bushing		D.F. 3236
Date	4/29/2012		
Run Number	Two		
Depth Driller	4900		
Depth Logger	4908		
Bottom Logged Interval	4907		
Top Log Interval	3800		
Casing Driller	8.625 @ 269		
Casing Logger	266		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	10,500		
Density / Viscosity	9.1	64	
pH / Fluid Loss	11.0	6.8	
Source of Sample	Flowline		
Rm @ Meas. Temp	0.30 @ 64		
Rmf @ Meas. Temp	0.23 @ 64		
Rmc @ Meas. Temp	0.41 @ 64		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.15 @ 125		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	125		
Equipment Number	15		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Charlie Sturdavant		

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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.

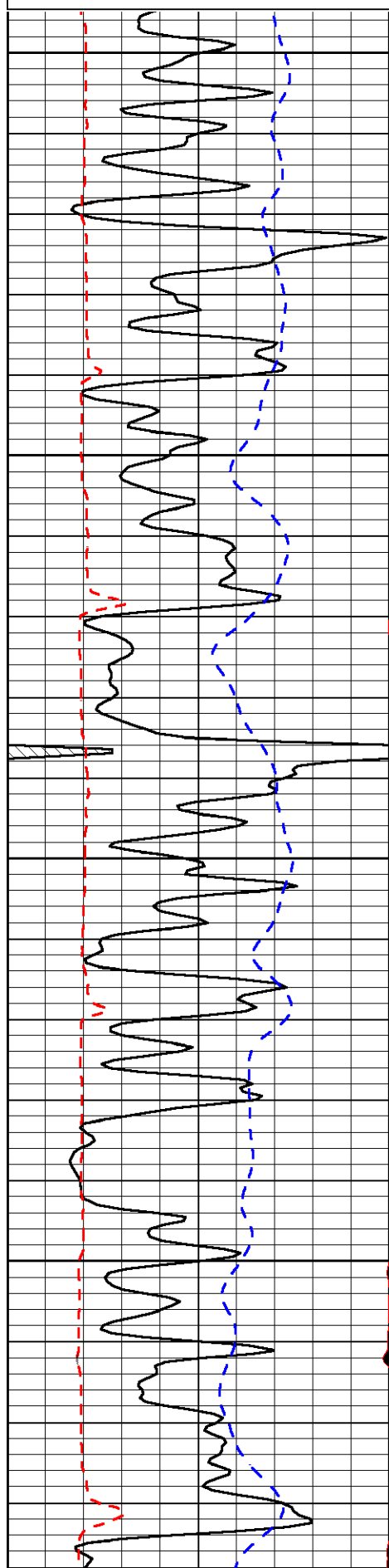
Comments

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

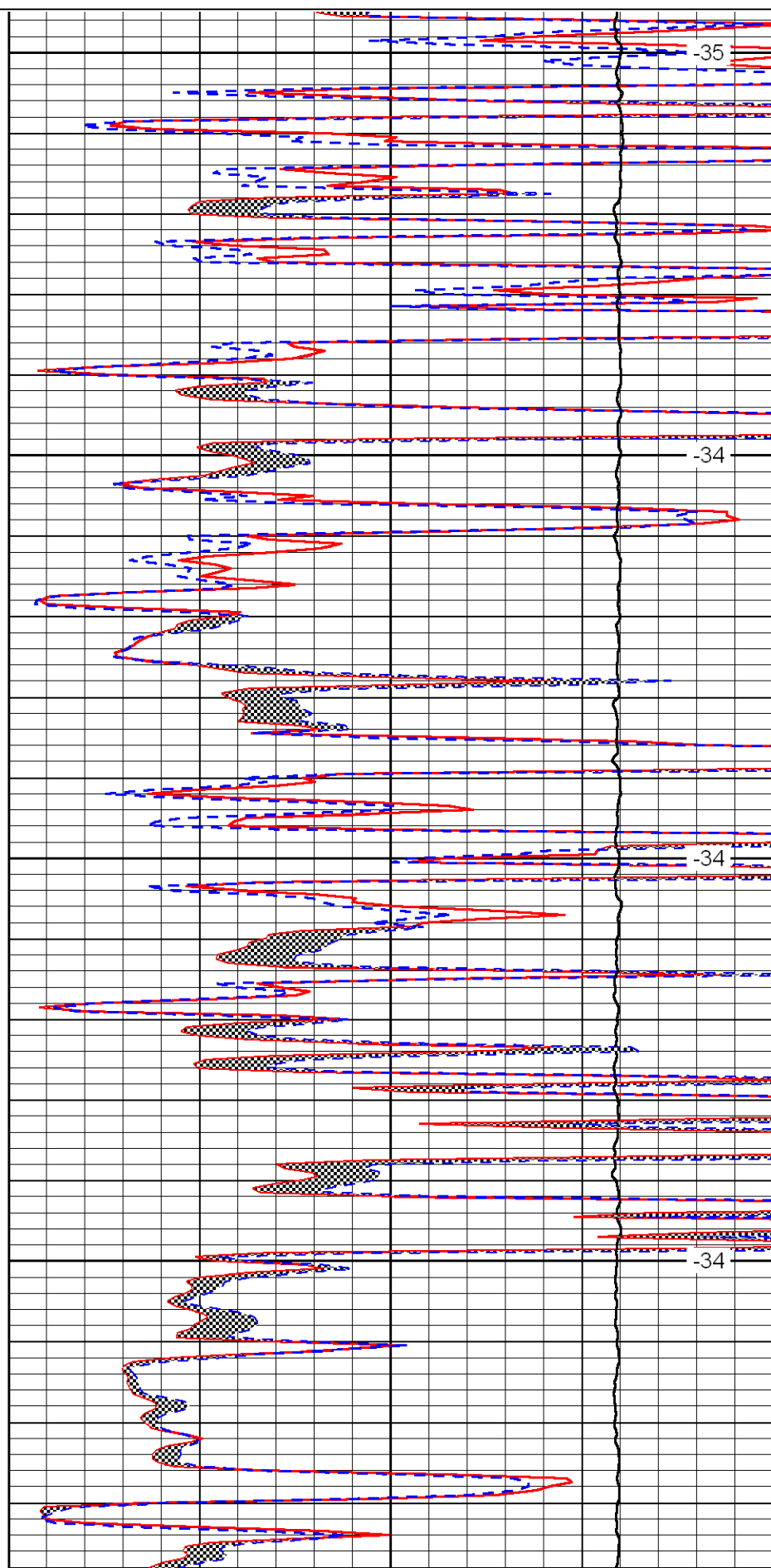
Monument, KS:
N on Hwy 25 to Rd. D,
4W, 1/2S, E into

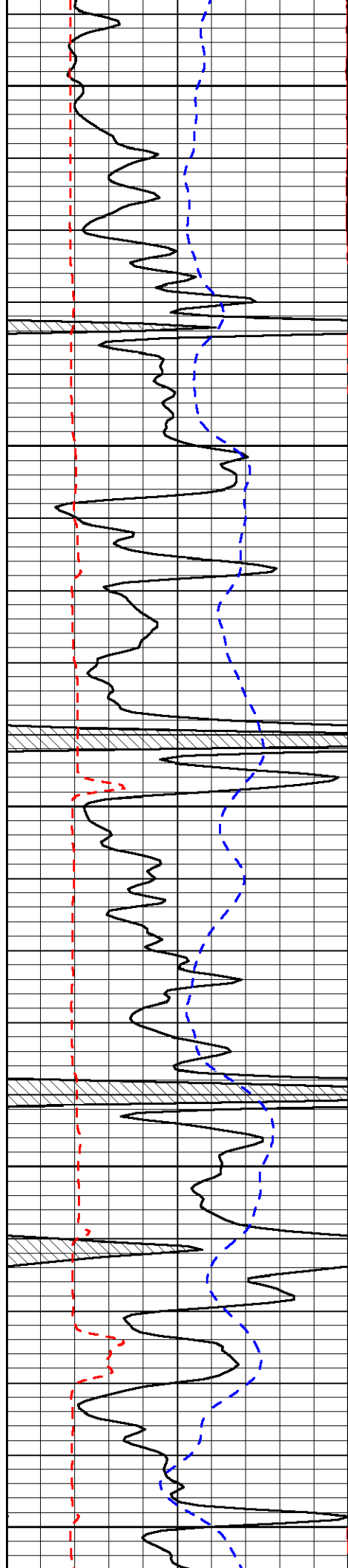
Database File: murfinhd.db
Dataset Pathname: dil/murmain
Presentation Format: micro
Dataset Creation: Sun Apr 29 10:21:27 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



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





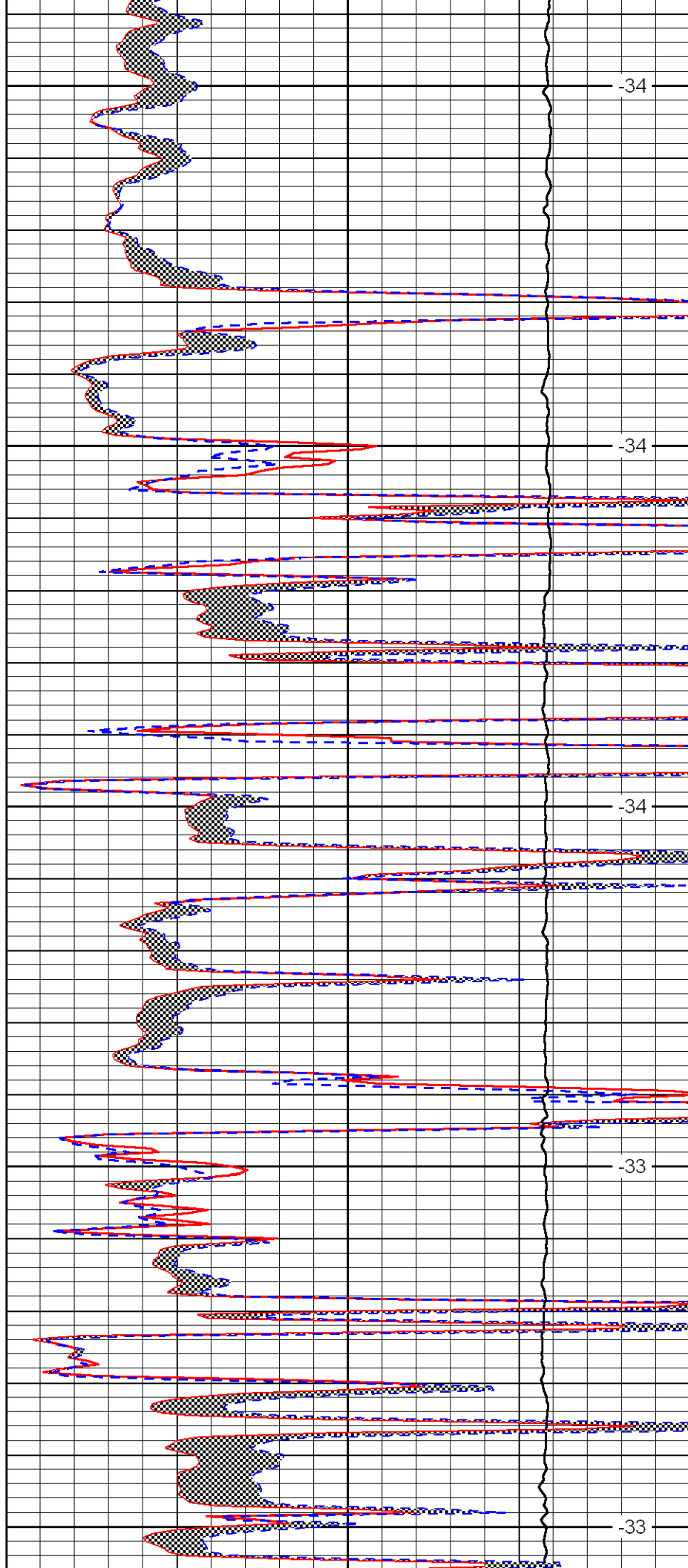
4000

4050

4100

4150

4200



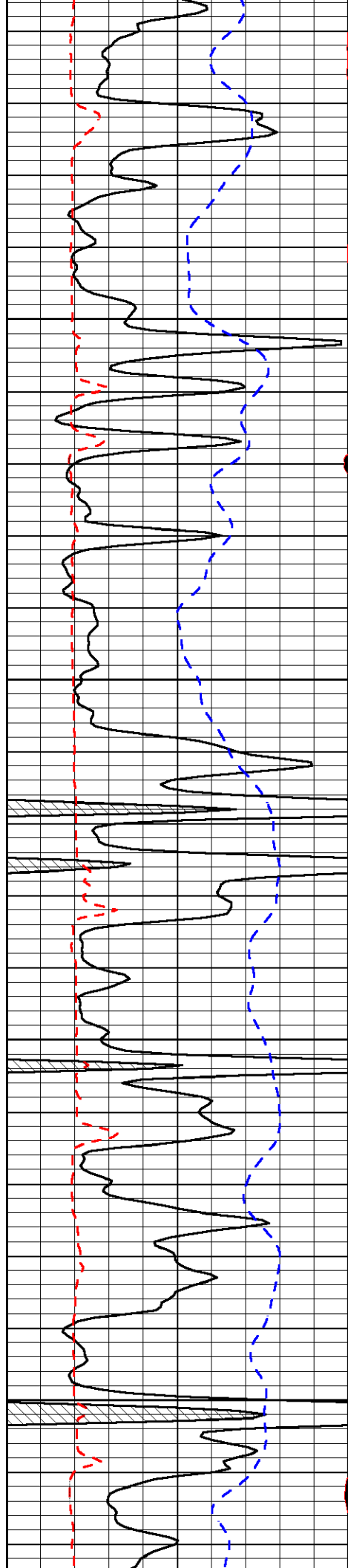
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-34-

-34-

-33-

-33-

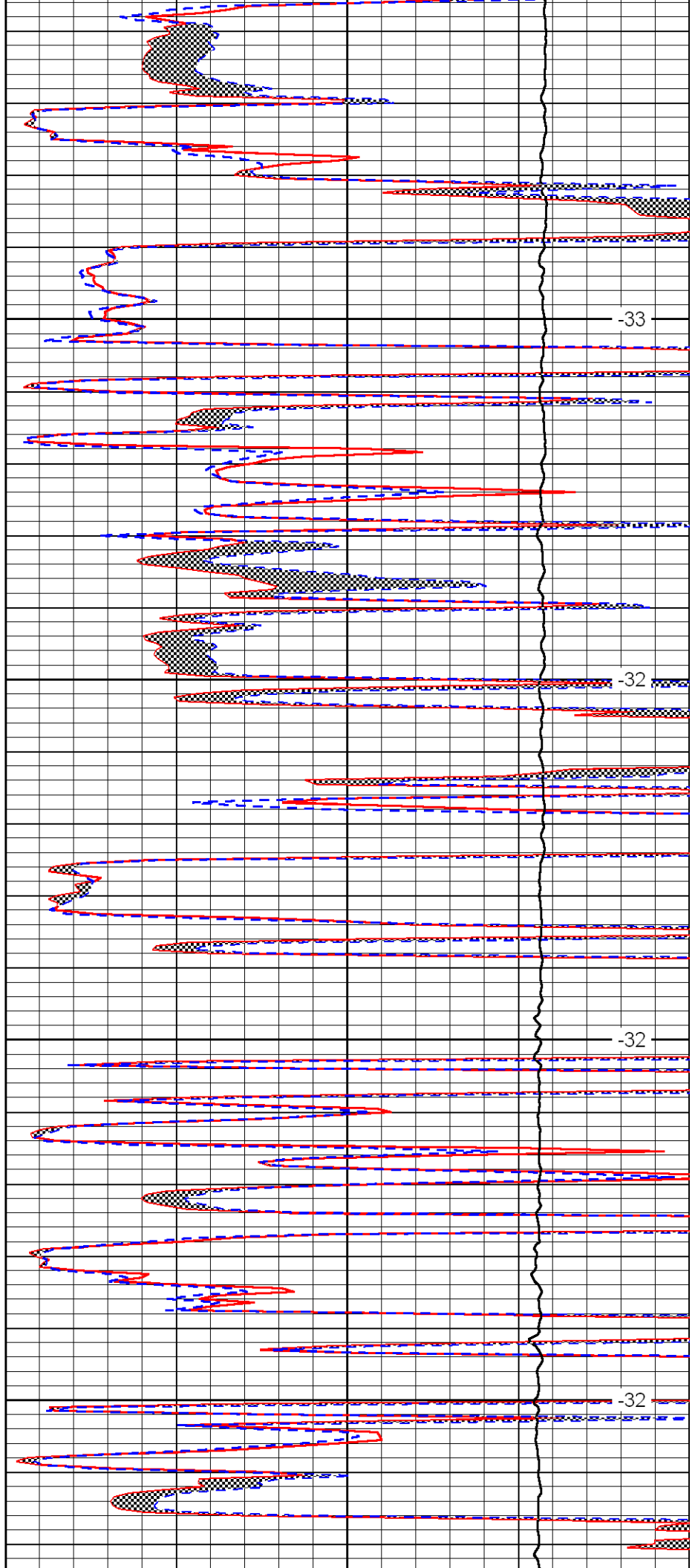


4250

4300

4350

4400

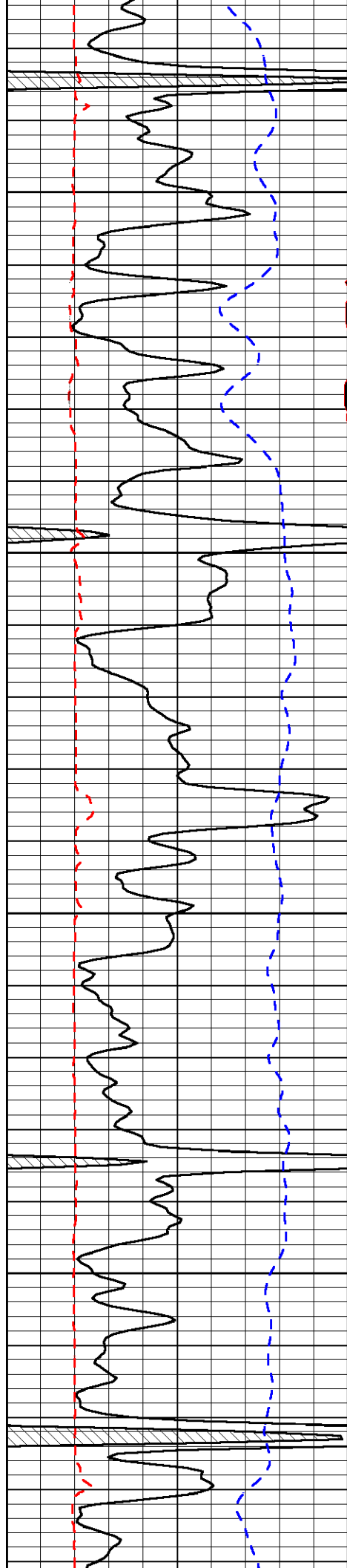


-33

-32

-32

-32

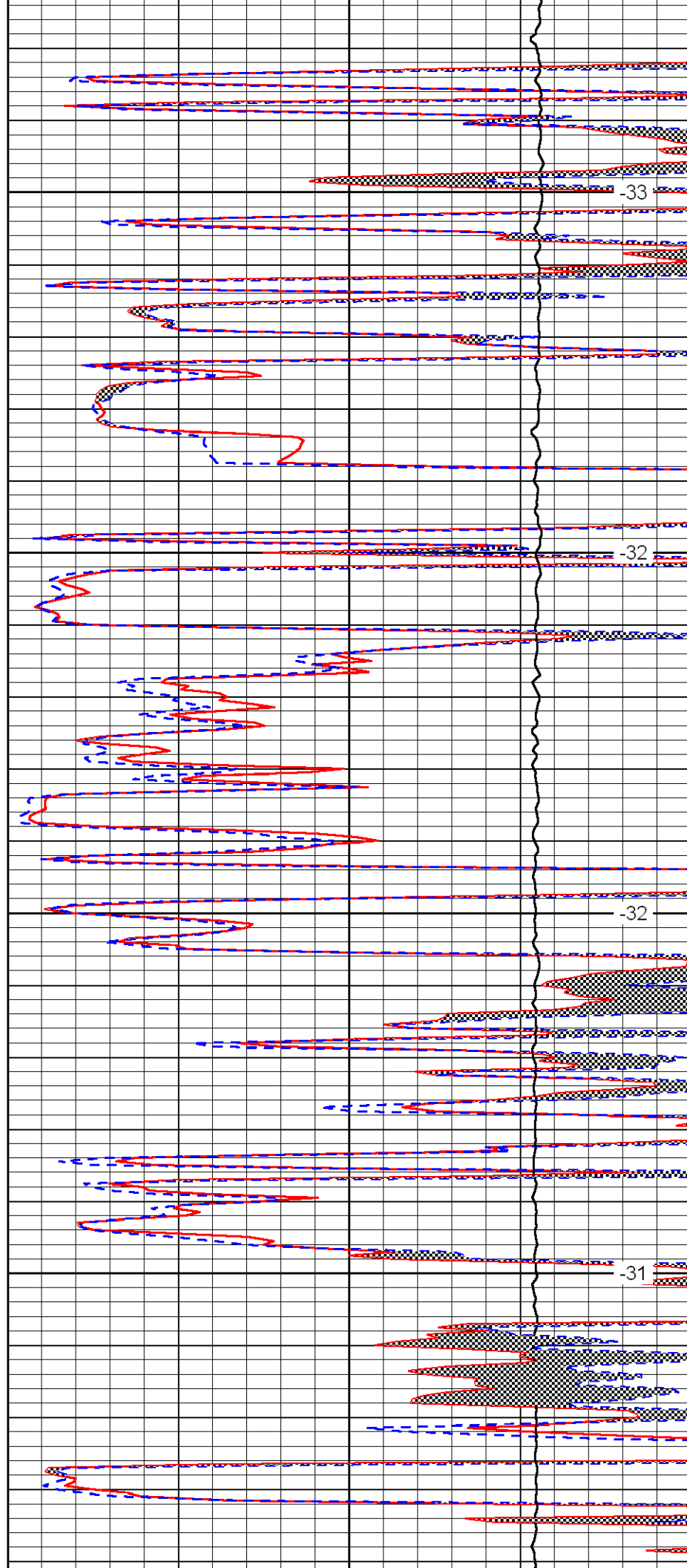


4450

4500

4550

4600

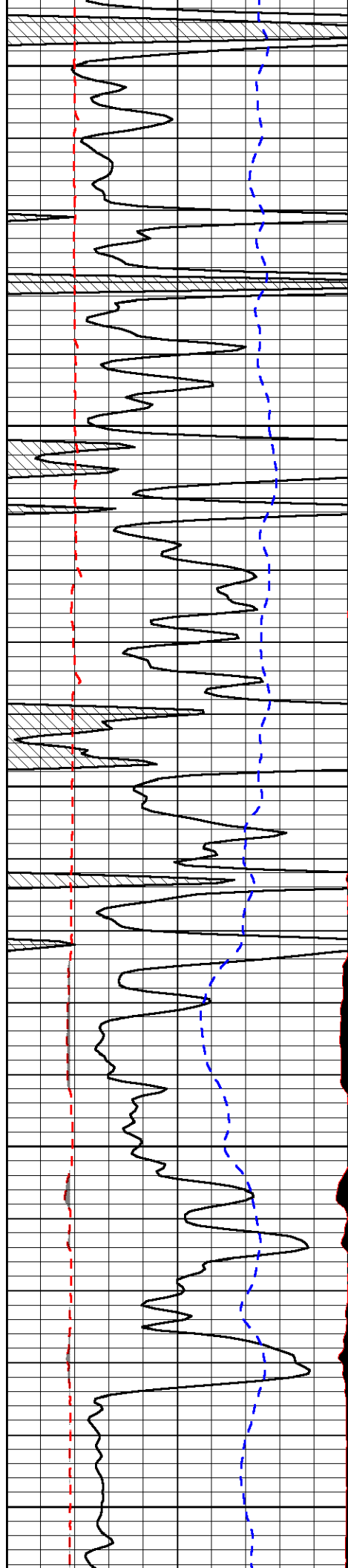


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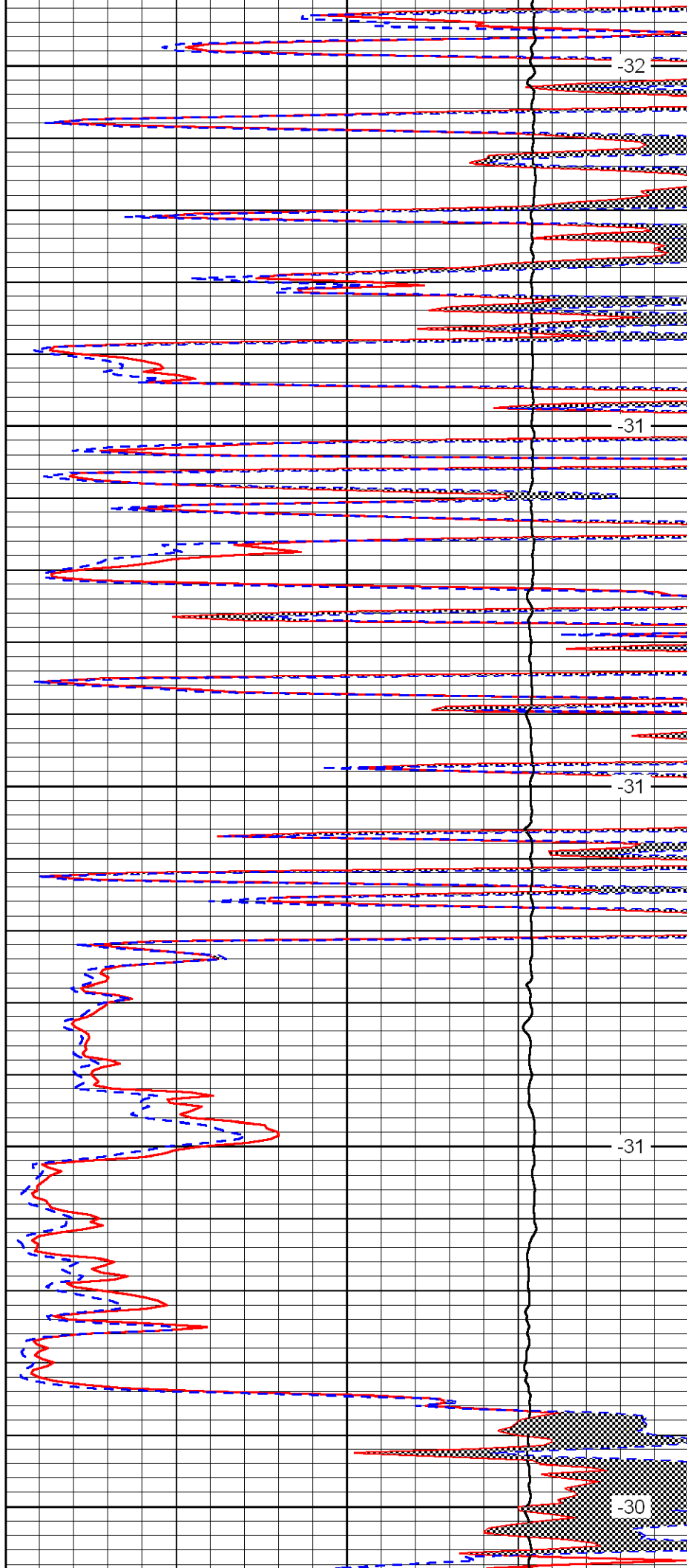
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4700

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4800

4850



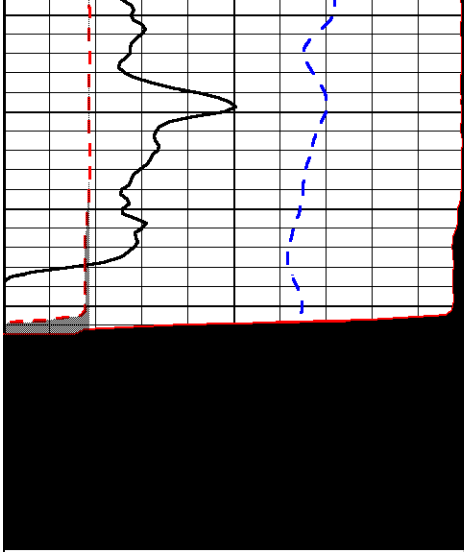
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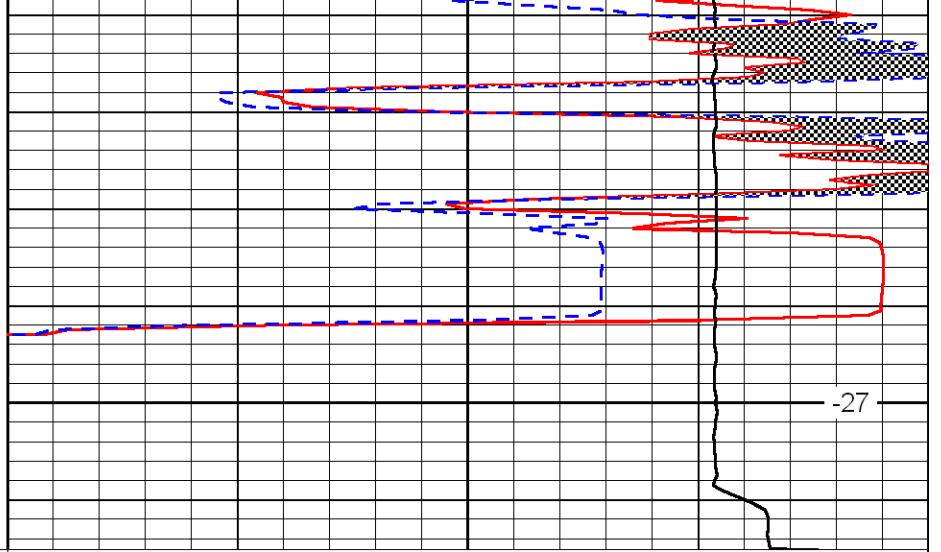
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-30



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LSPD