



Pioneer Energy Services

Microresistivity Log

API No.	Company Val Energy, Inc.		
	Well John #1-20		
	Field Wildcat		
	County Thomas	State	Kansas
15-193-20,920-00-00	Location	2,336' FNL & 1,116' FWL	
	Sec: 20	Twp: 8S	Rge: 35W
Permanent Datum	Ground Level	Elevation 3317	
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 3327 D.F. 3317 G.L. 3317	
Date	5/5/2014		
Run Number	Two		
Depth Driller	4860		
Depth Logger	4860		
Bottom Logged Interval	4859		
Top Log Interval	3500		
Casing Driller	8,625 @ 316		
Casing Logger	319		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5000		
Density / Viscosity	9.3 55		
pH / Fluid Loss	10.0 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.50 @ 78		
Rmf @ Meas. Temp	.38 @ 78		
Rmc @ Meas. Temp	.68 @ 78		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.31 @ 125		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	125		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Harley Sayles		

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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.

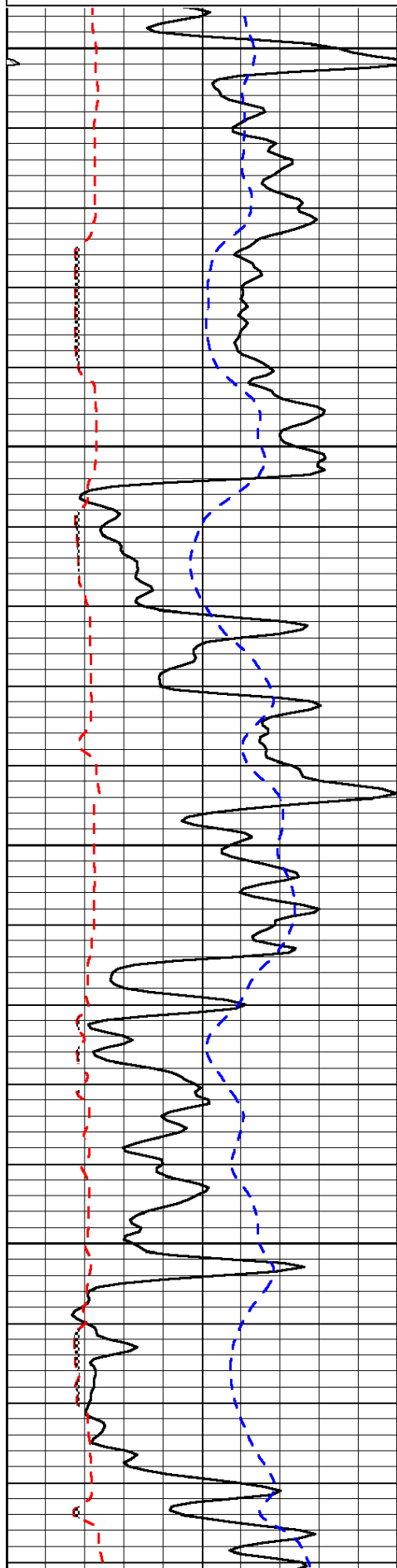
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Levant Exit & I-70, 1 South, 2 3/4 West, South Into

Database File: c:\warrior\data\val_john #1-20\val_john_1-20hd.db
Dataset Pathname: dil\valstck
Presentation Format: micro
Dataset Creation: Mon May 05 06:35:39 2014
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



3500

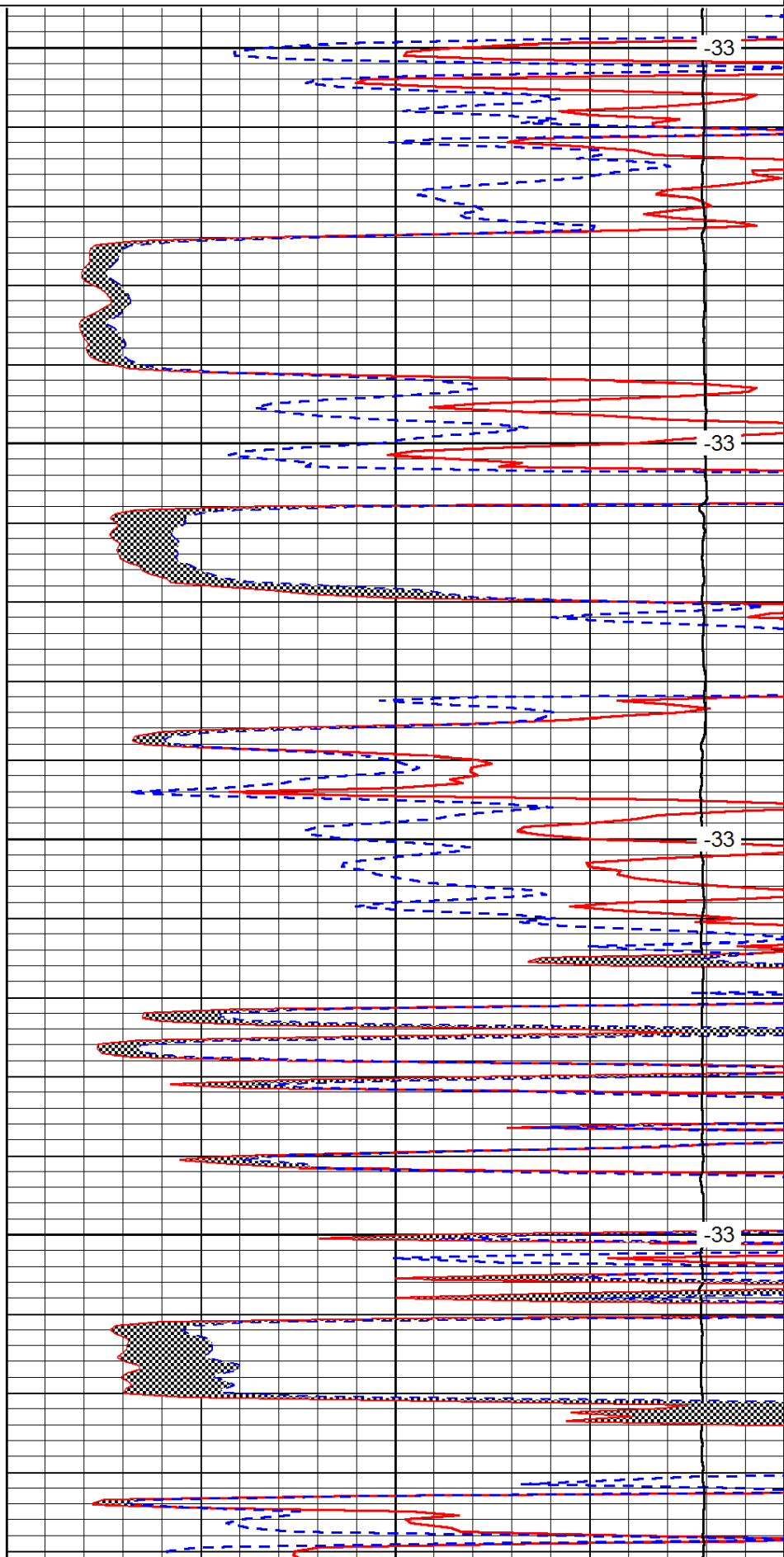
3550

3600

3650

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD

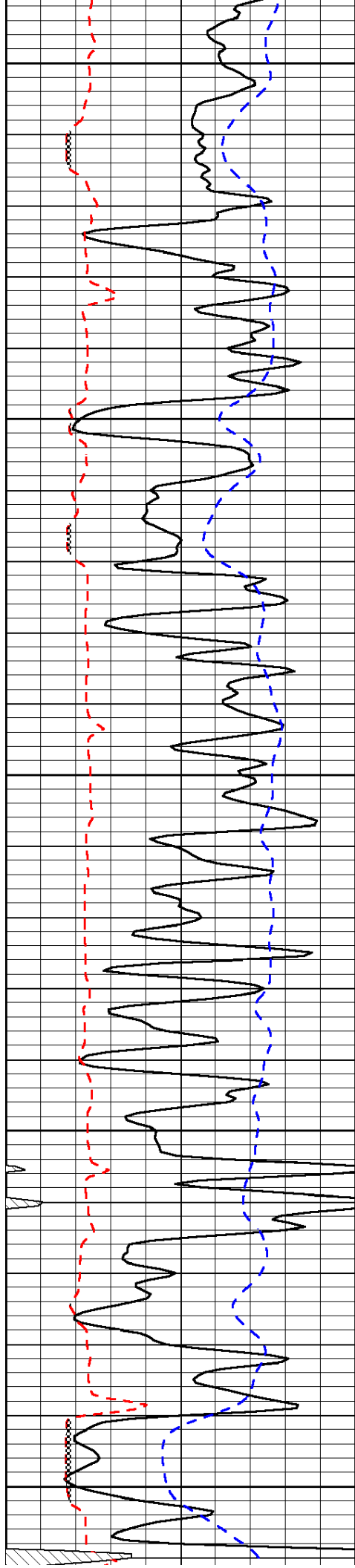


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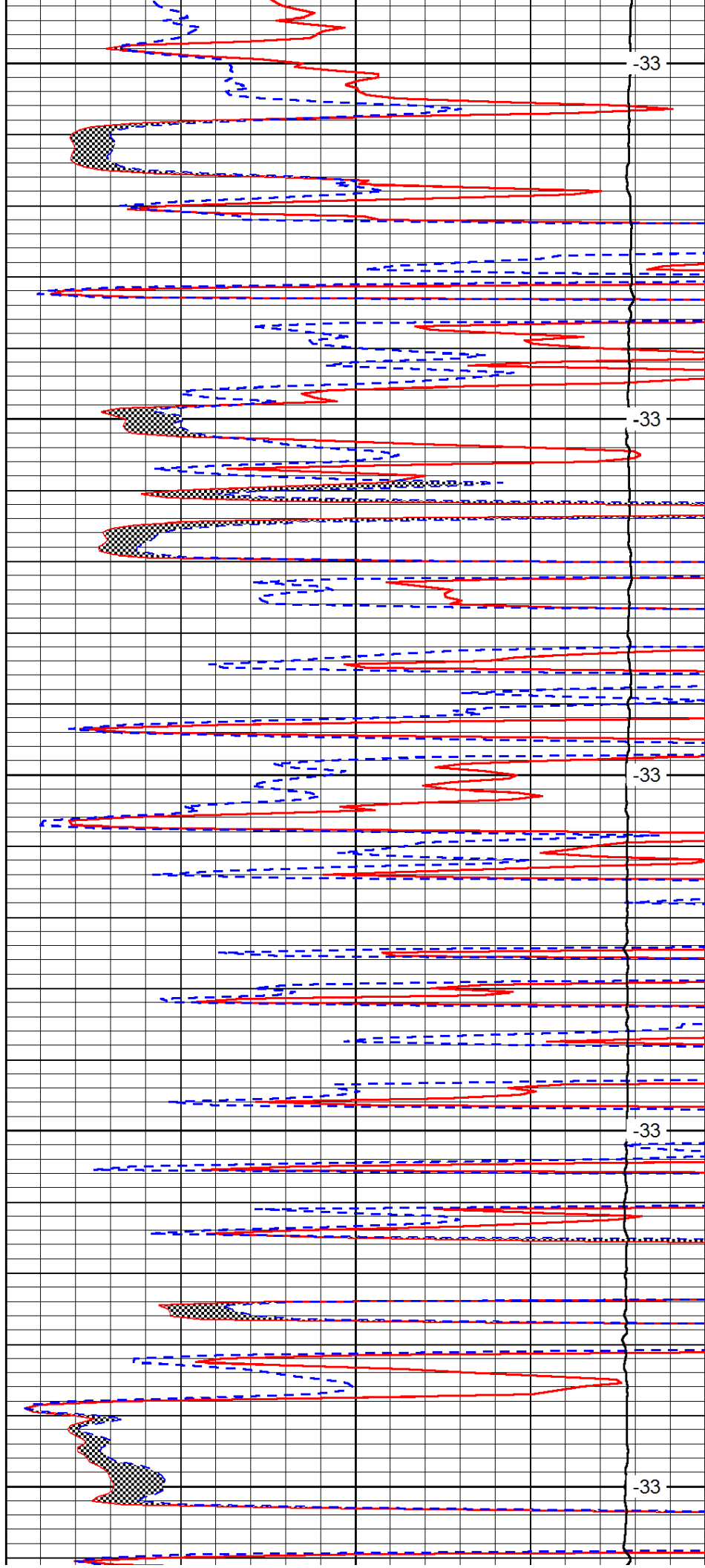
3700

3750

3800

3850

3900



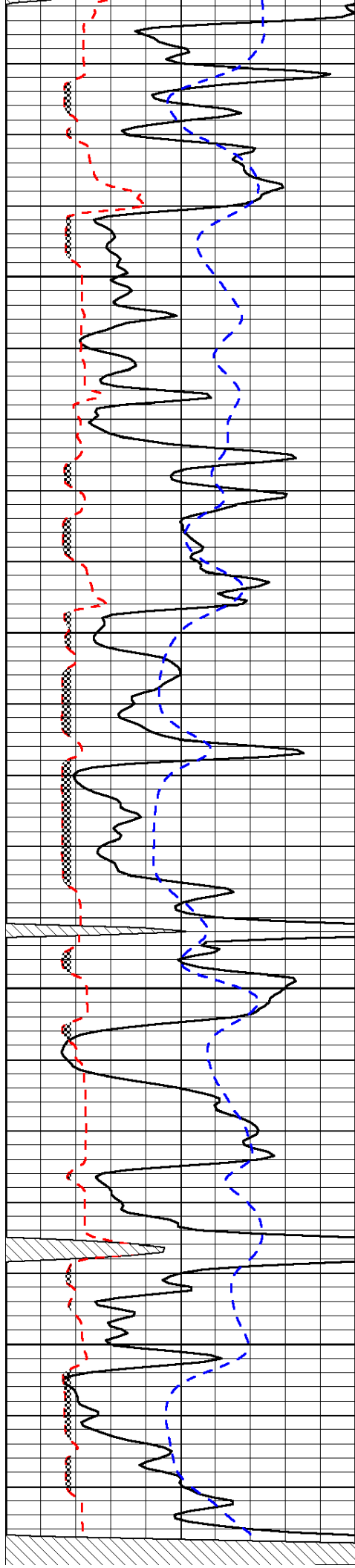
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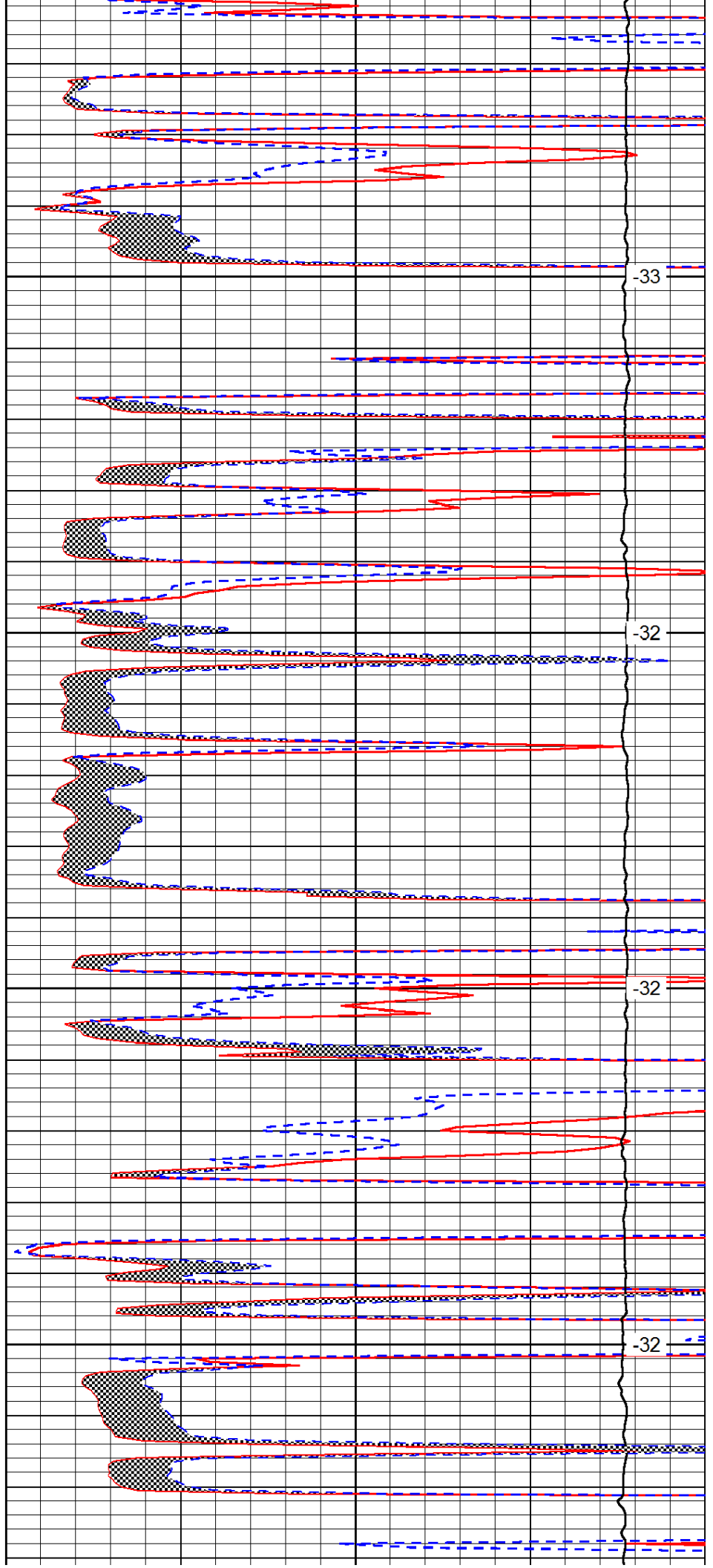


3950

4000

4050

4100

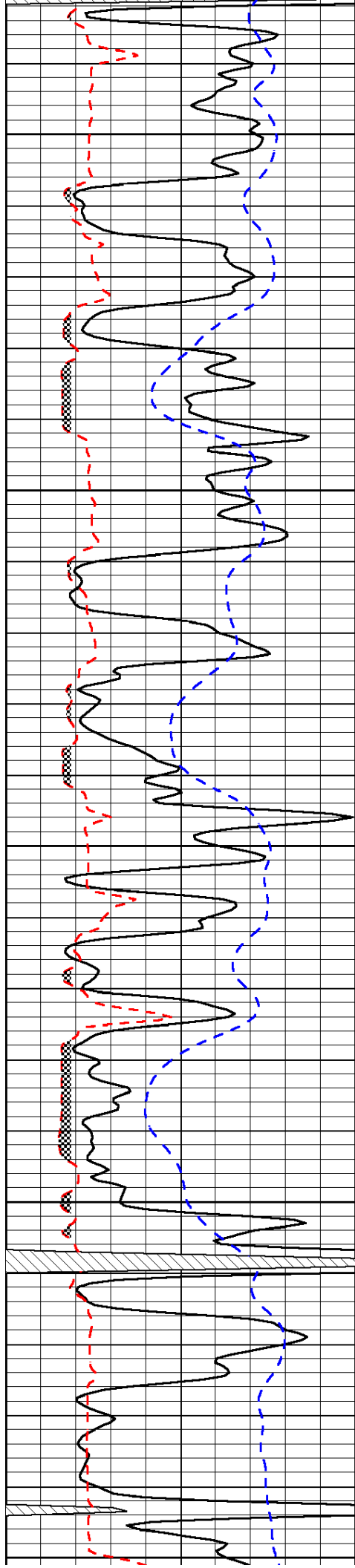


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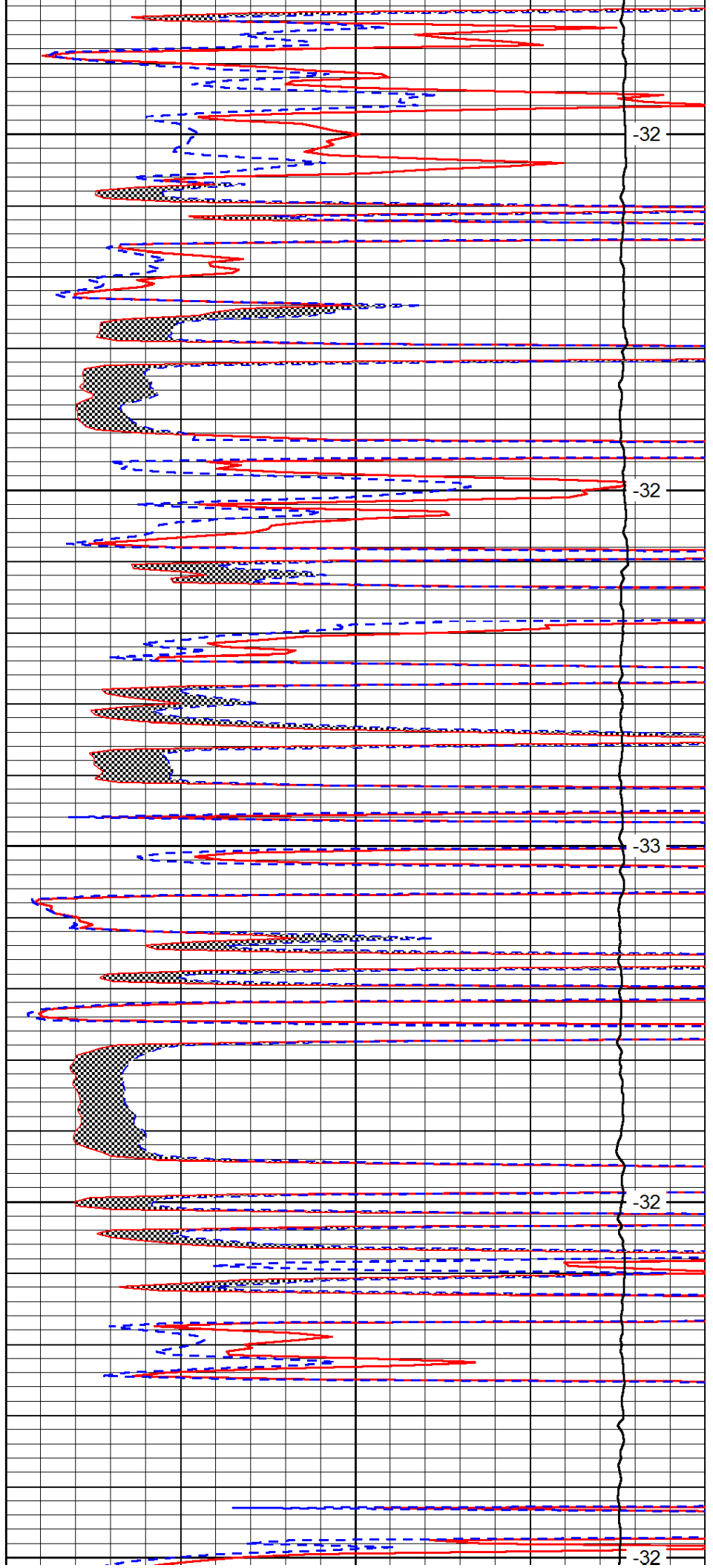
4150

4200

4250

4300

4350



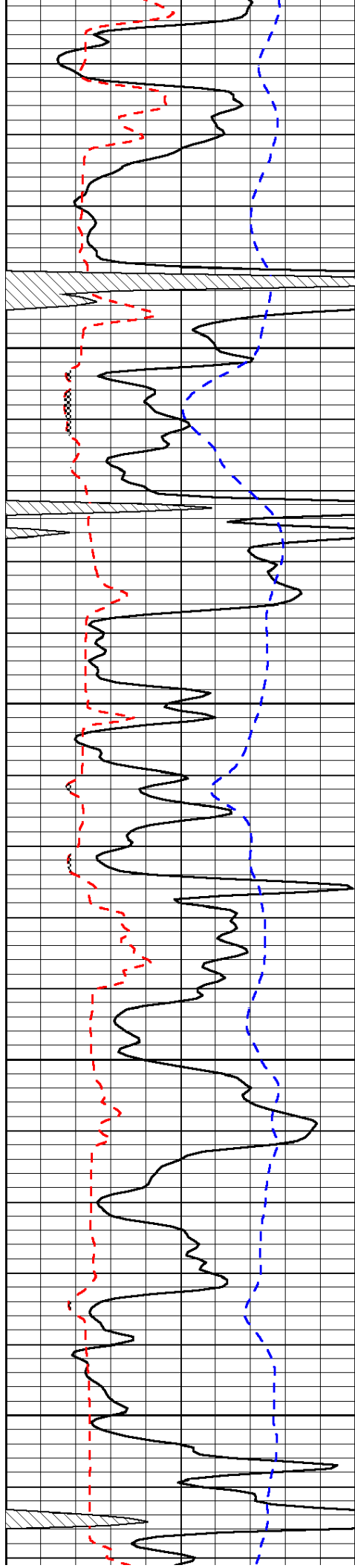
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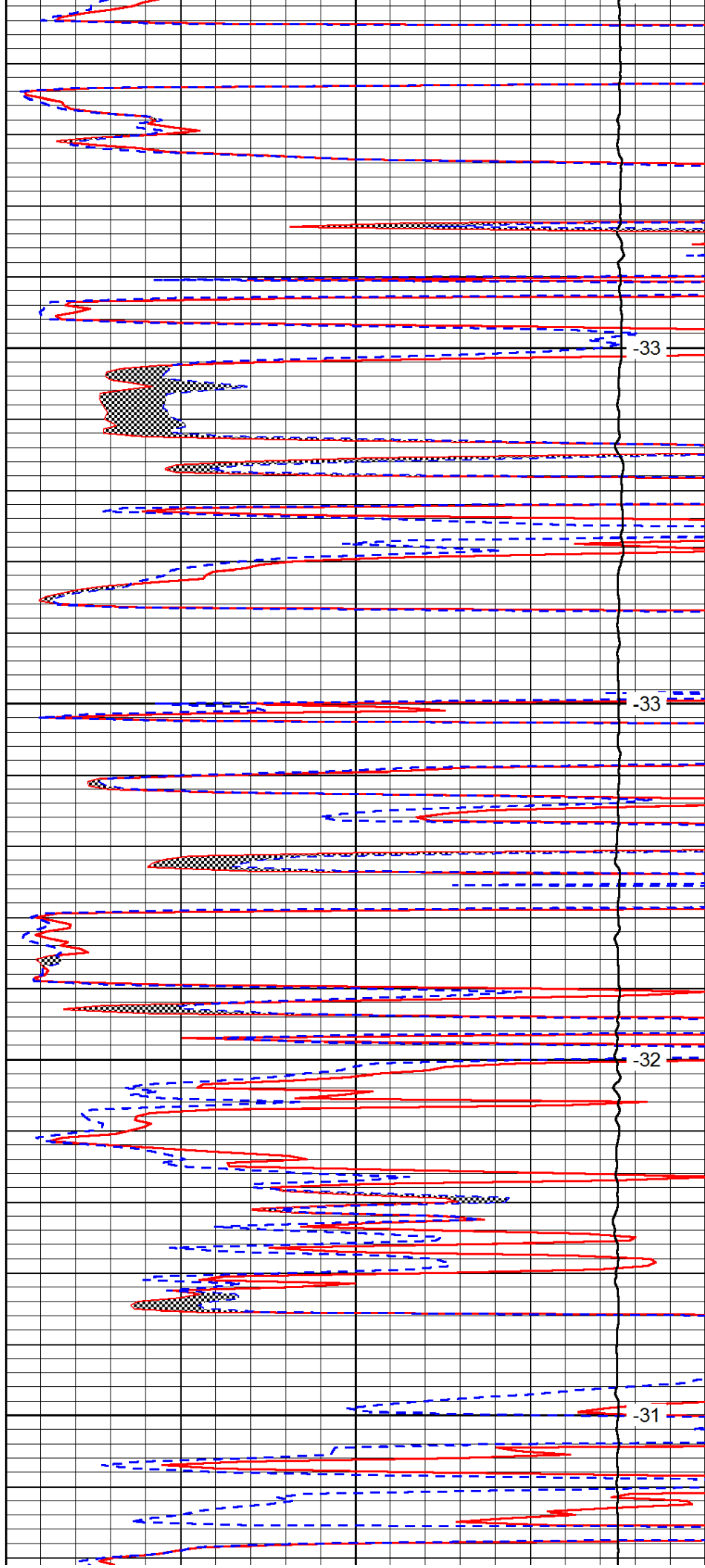


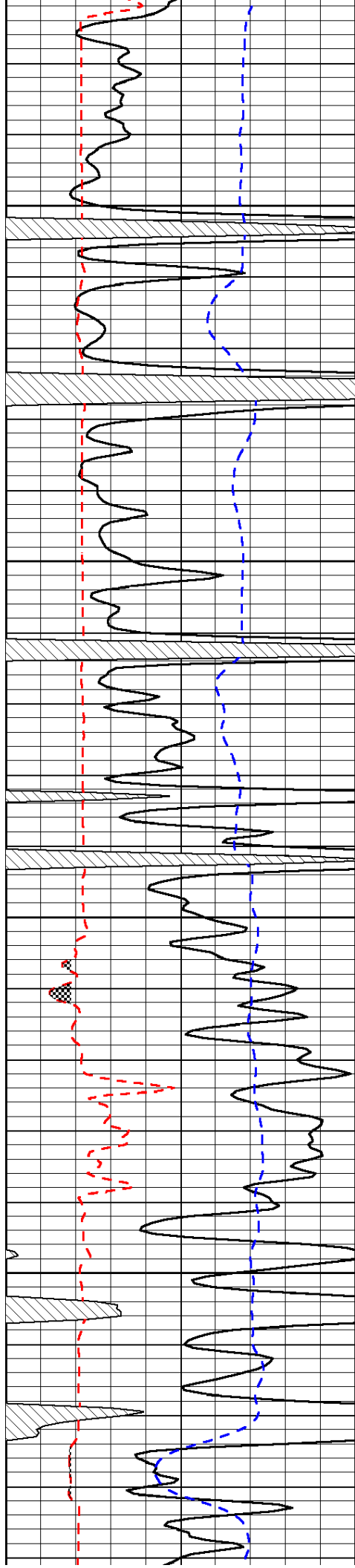
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4450

4500

4550



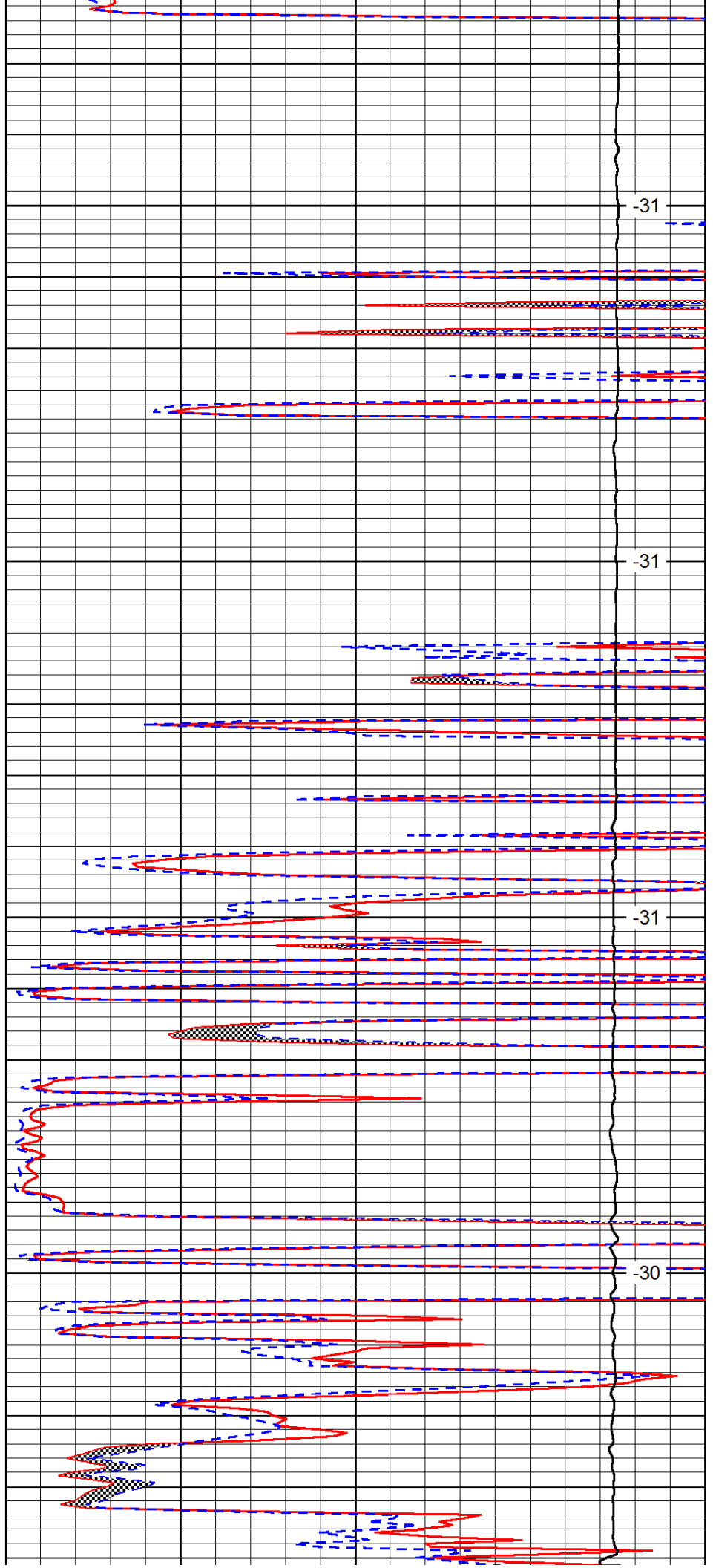


4600

4650

4700

4750

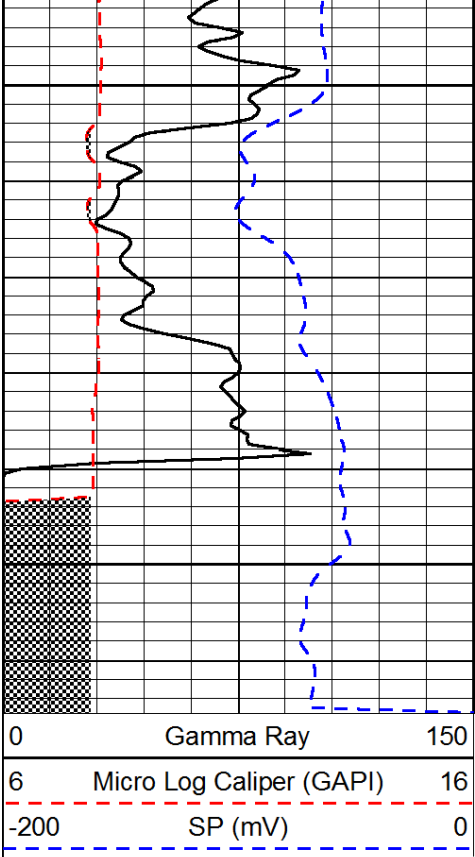


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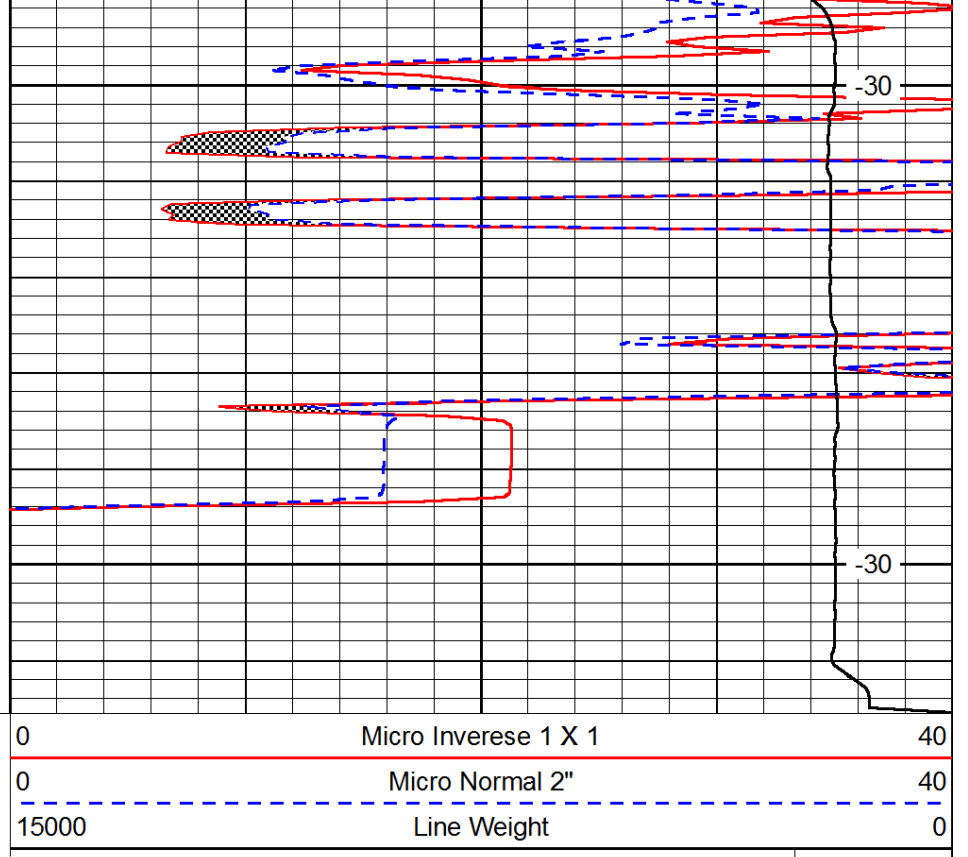
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-30



4800

4850



LSPD