



Dual Induction Log

Pioneer Energy Services

API No.	Company N-10 Exploration, LLC			
	Well Medicine River Ranch "D" #10			
	Field Landis			
	County Barber State Kansas			
15-007-23,995-00-00	Location	SW NE 3300' FSL & 1980' FEL		Other Services CNL/CDL
	Sec: 10	Twp: 34S	Rge: 11W	
	Permanent Datum	Ground Level	Elevation 1341	
	Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
	Drilling Measured From Kelly Bushing			
Date	3/21/2013			
Run Number	One			
Depth Driller	5013			
Depth Logger	5016			
Bottom Logged Interval	5015			
Top Log Interval	250			
Casing Driller	8.625 @ 266			
Casing Logger	267			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	3,500			
Density / Viscosity	9.6 57			
pH / Fluid Loss	10.0 12.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	.56 @ 54			
Rmf @ Meas. Temp	.42 @ 54			
Rmc @ Meas. Temp	.76 @ 54			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.24 @ 126			
Operating Rig Time	2 1/2 Hours			
Max Rec. Temp. F	126			
Equipment Number	17			
Location	Hays			
Recorded By	C. Desai			
Witnessed By	Tim Pierce			

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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

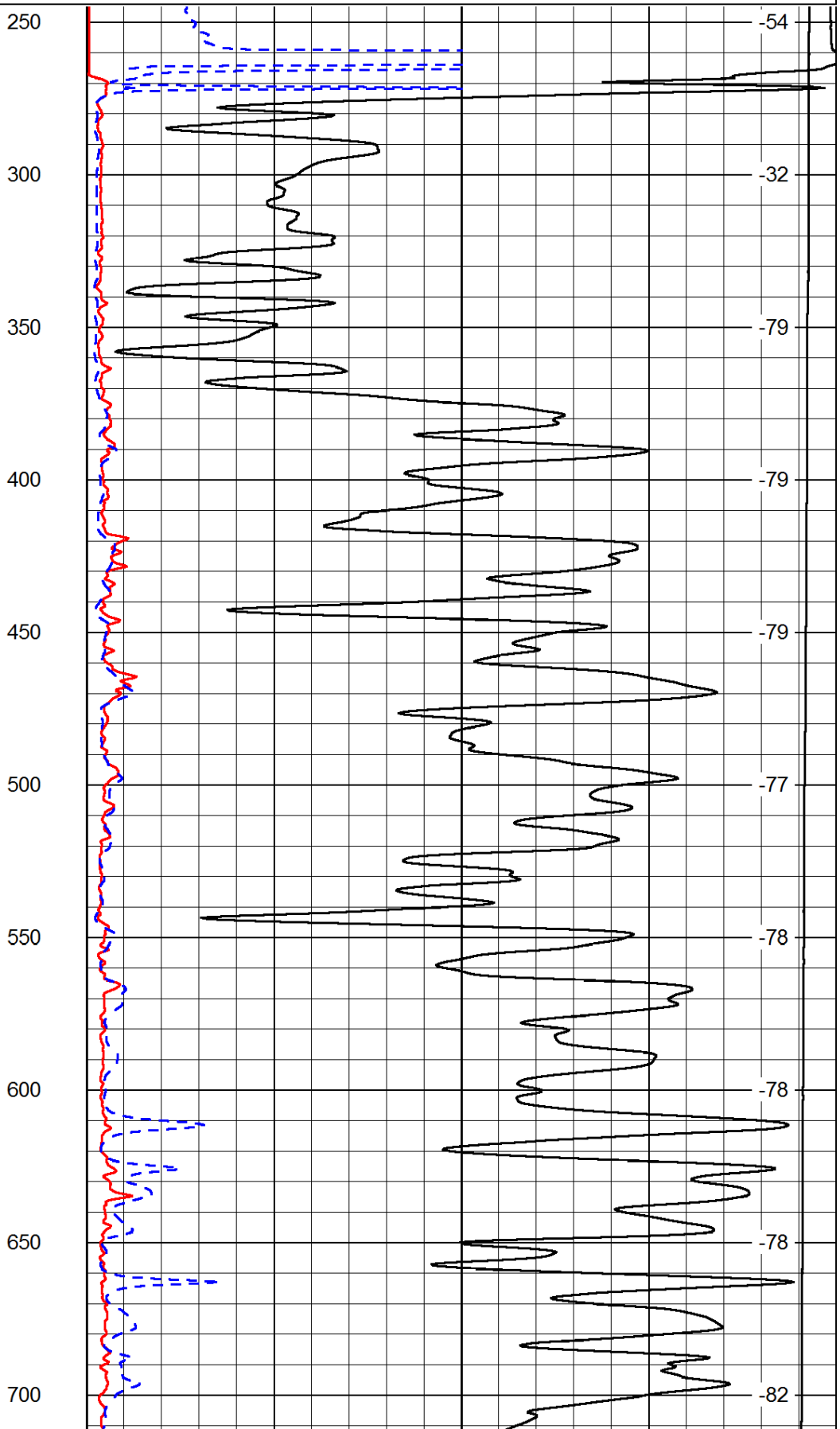
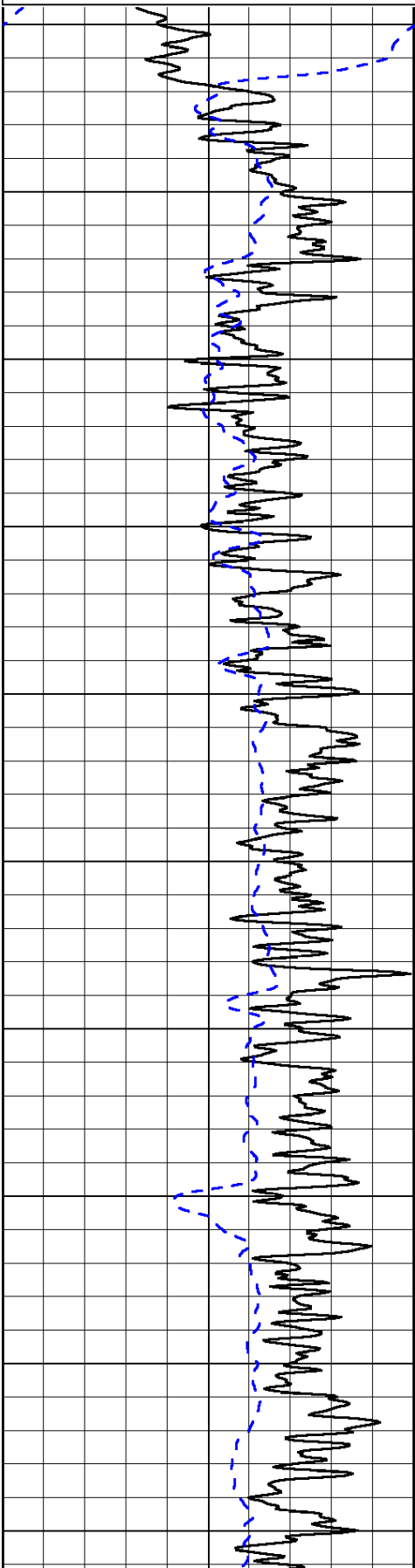
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

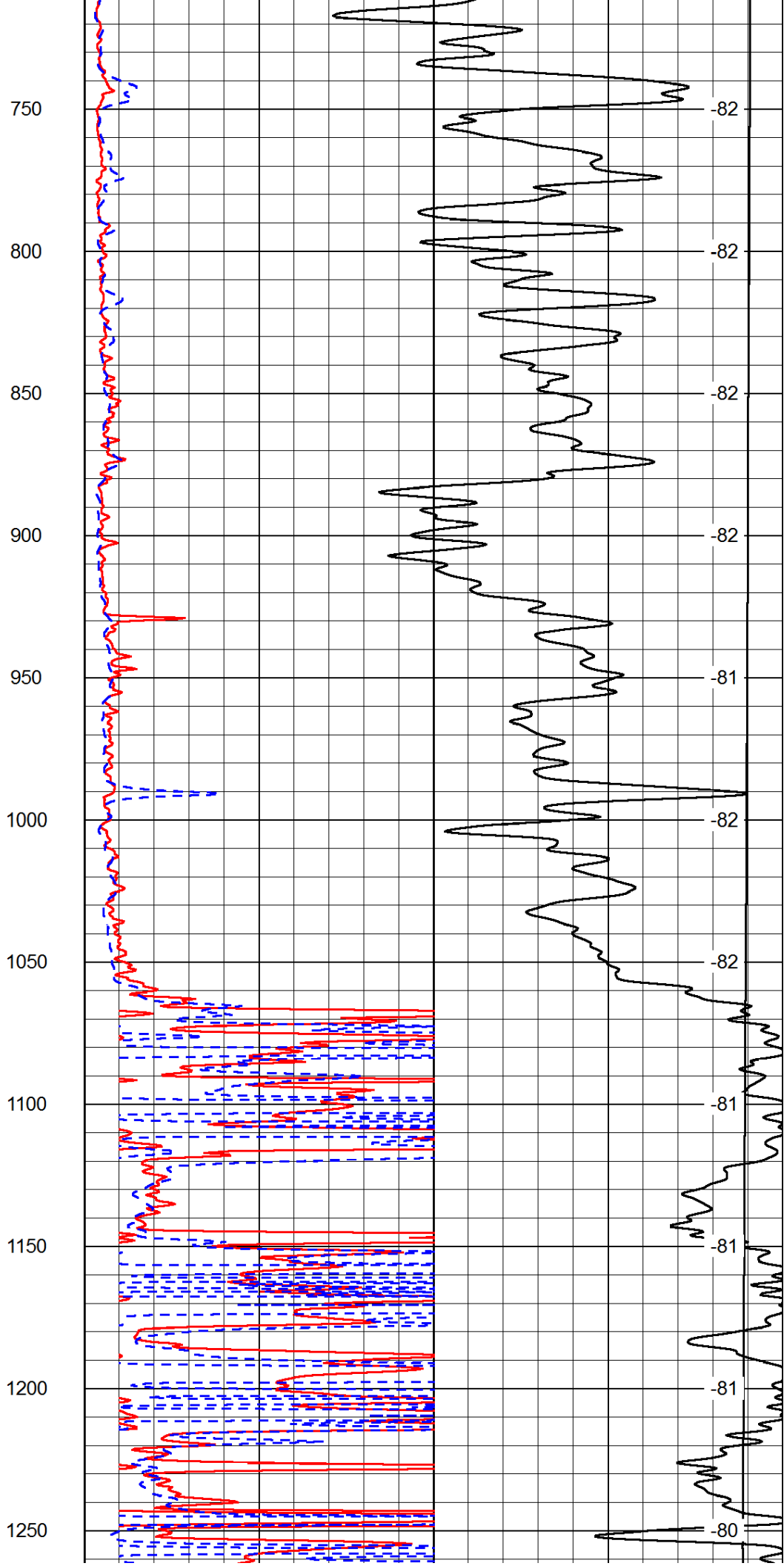
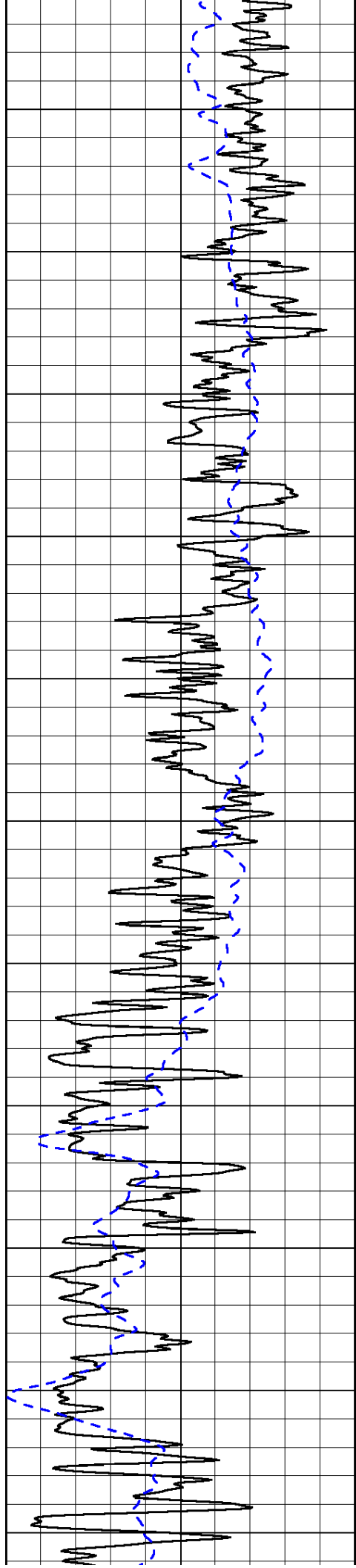
Medicine Lodge KS, 13 S to Scott Canyon Rd,
3 1/4 E, 1/2 N, 1/4 E

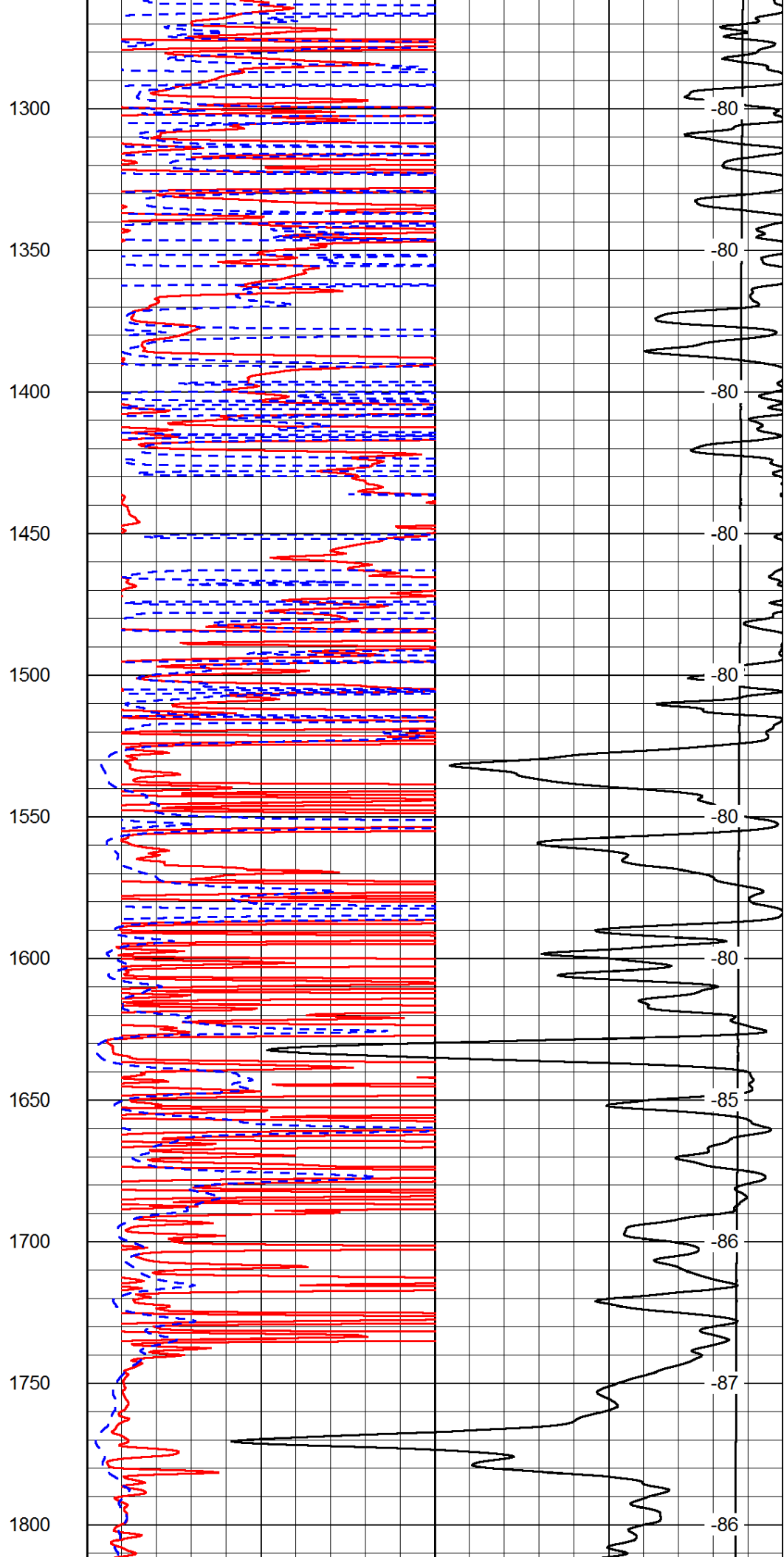
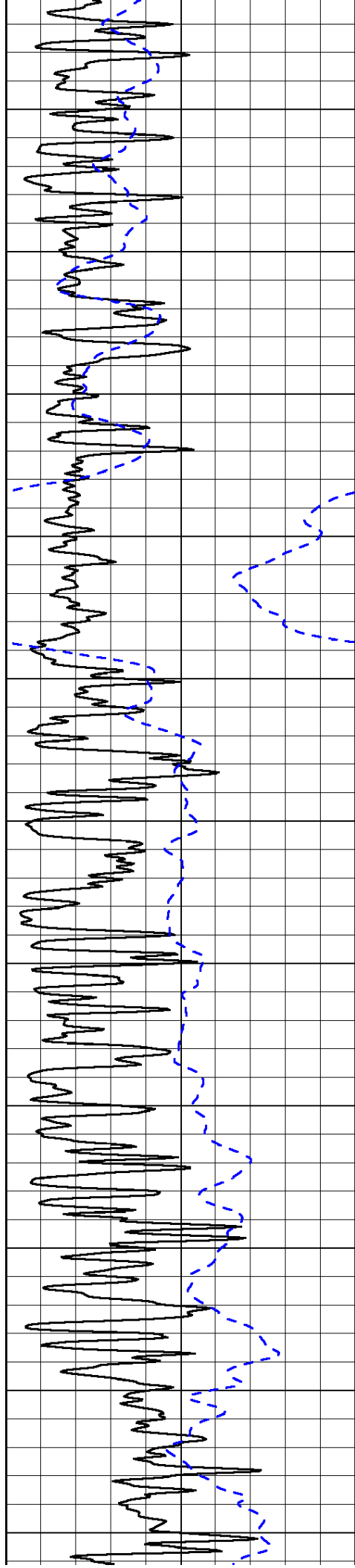
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Presentation Format: dil2in
Dataset Creation: Thu Mar 21 16:02:09 2013
Charted by: Depth in Feet scaled 1:600

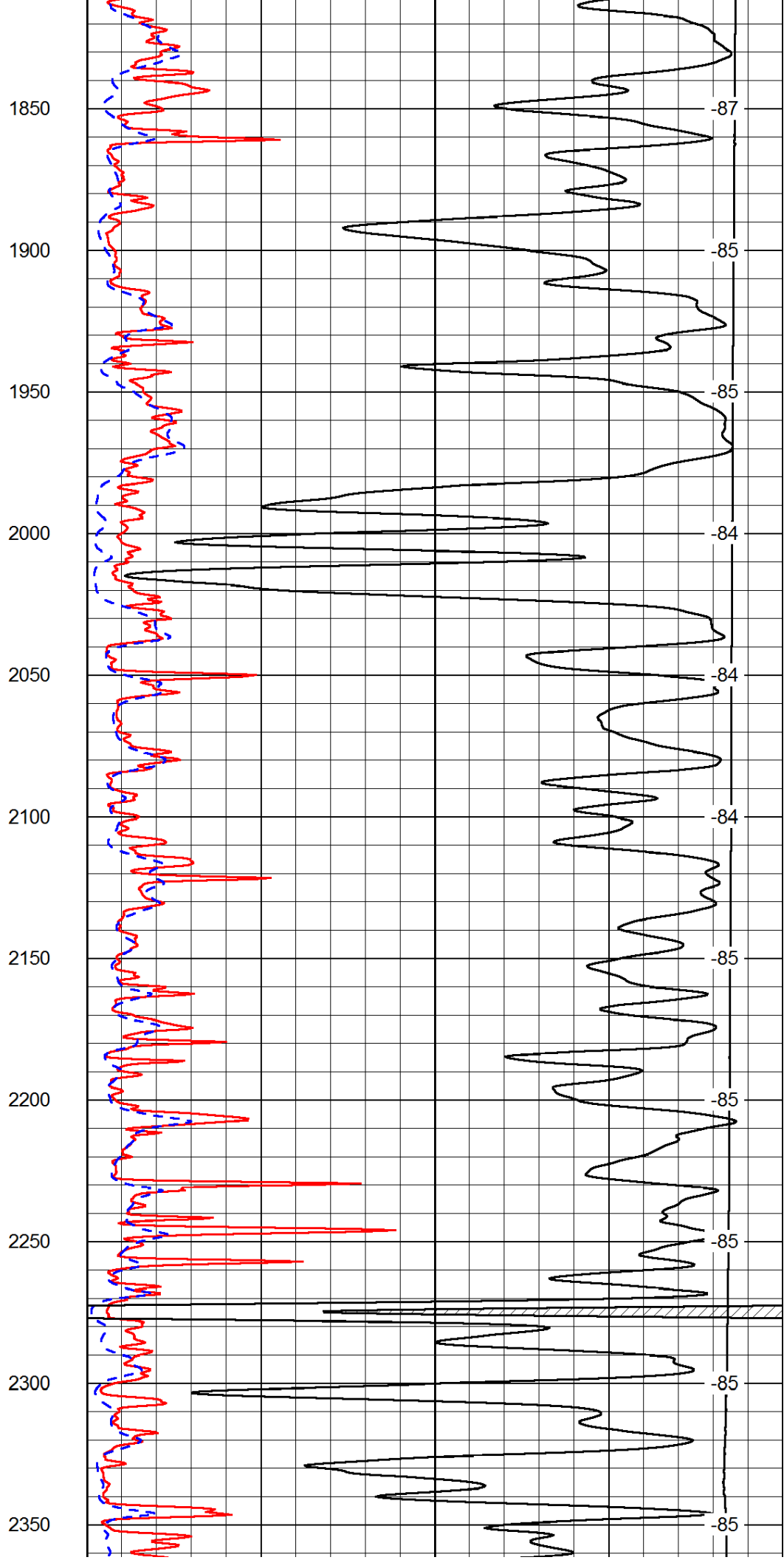
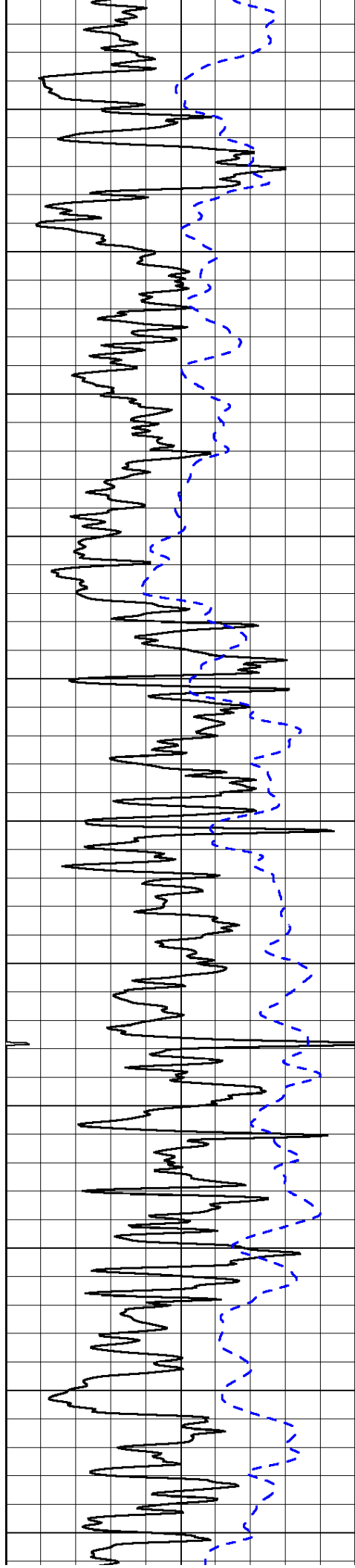
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-200	SP (mV)	0

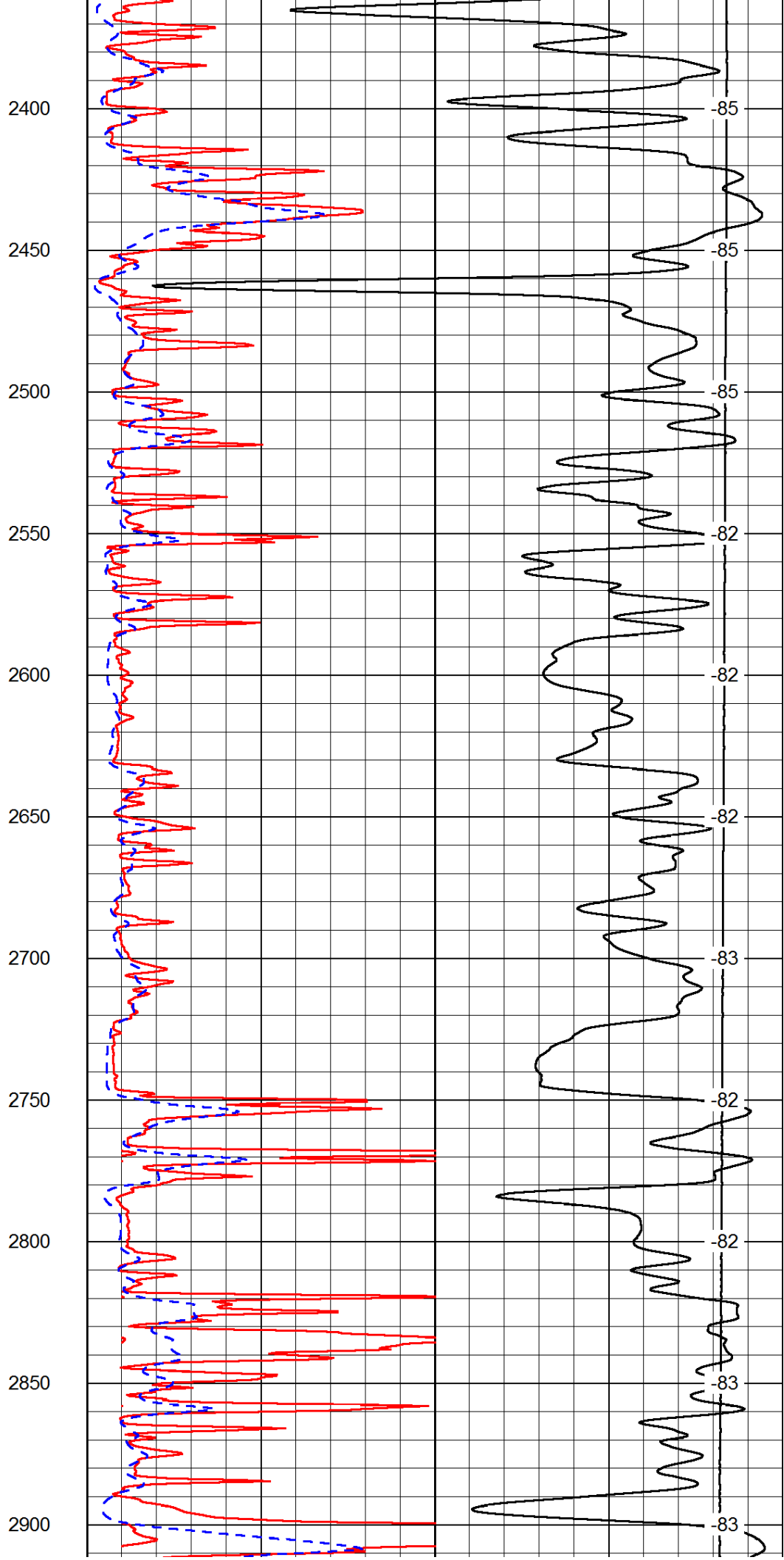
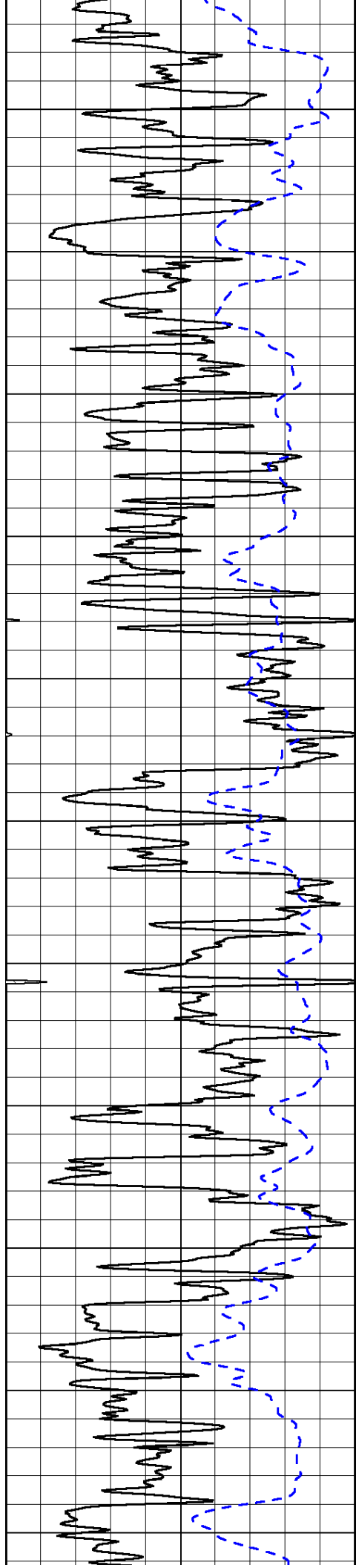
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

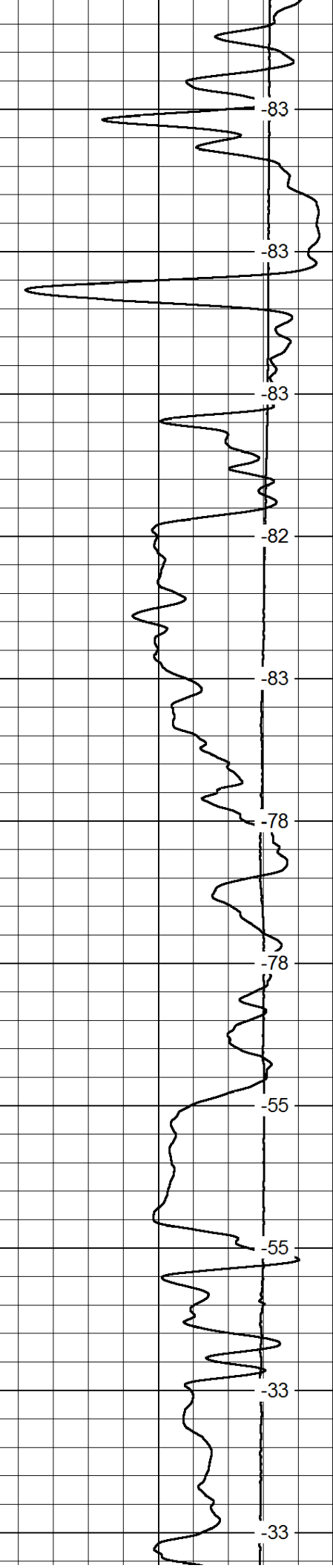
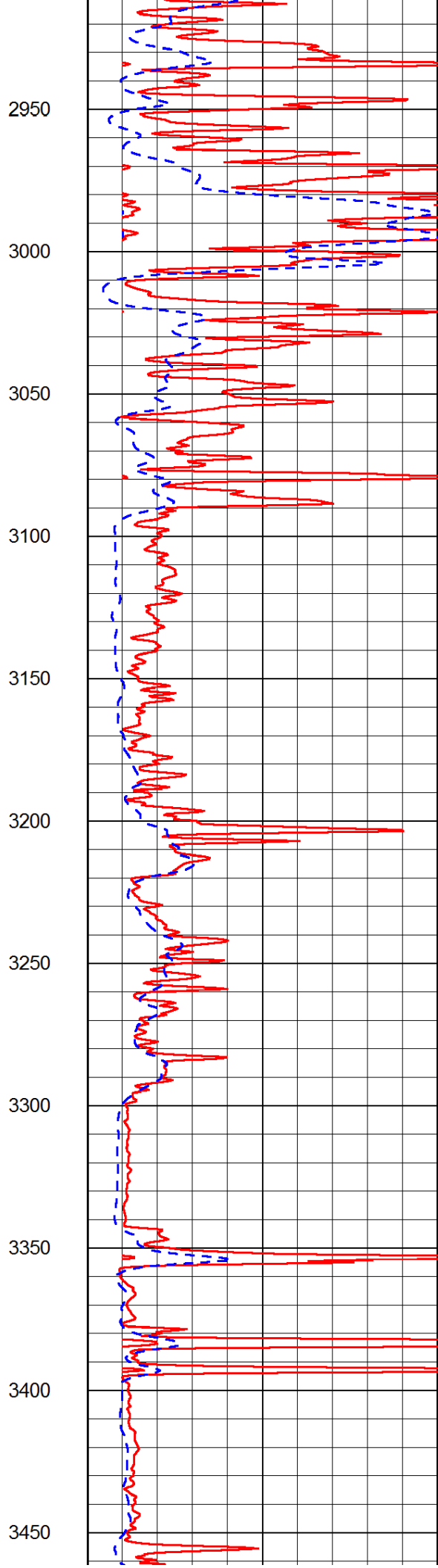
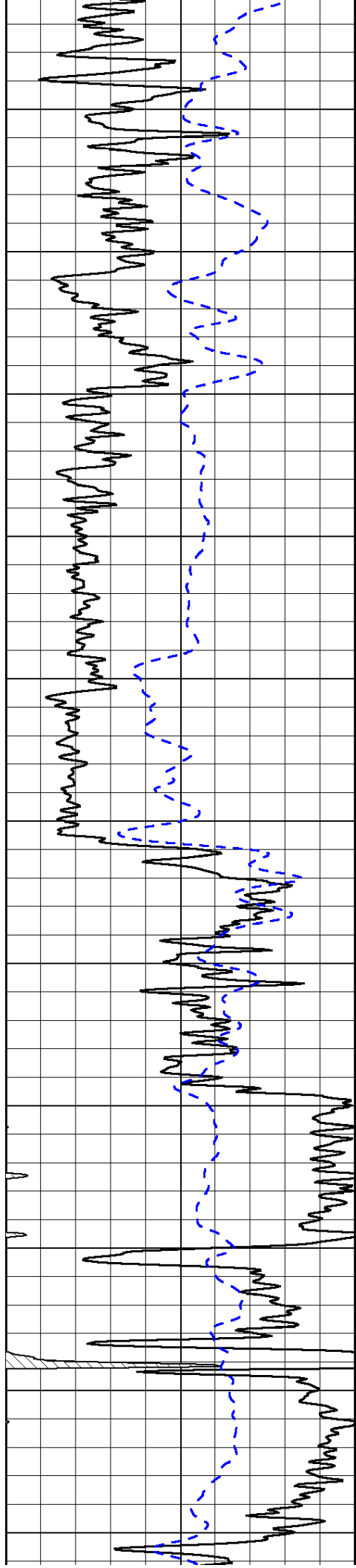


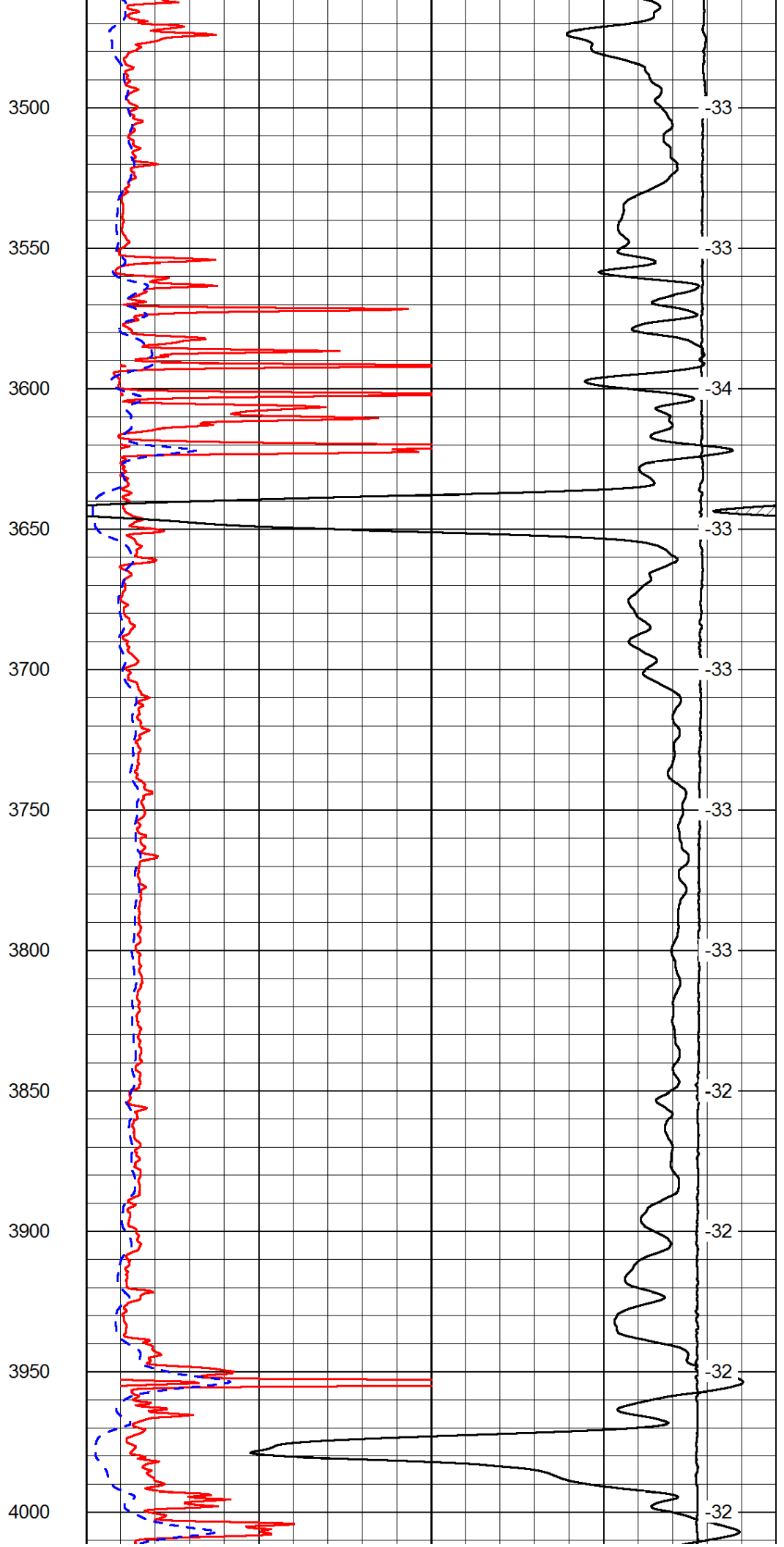
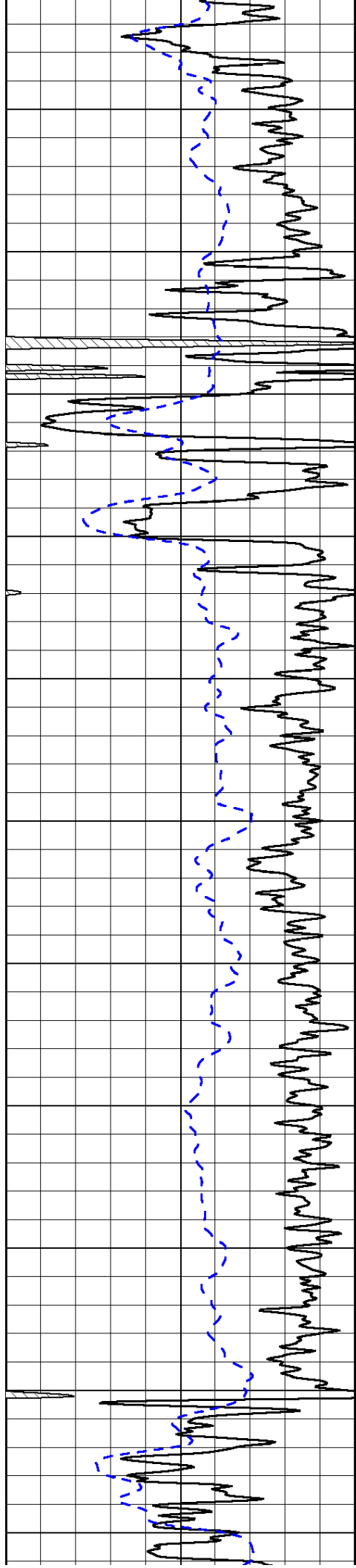


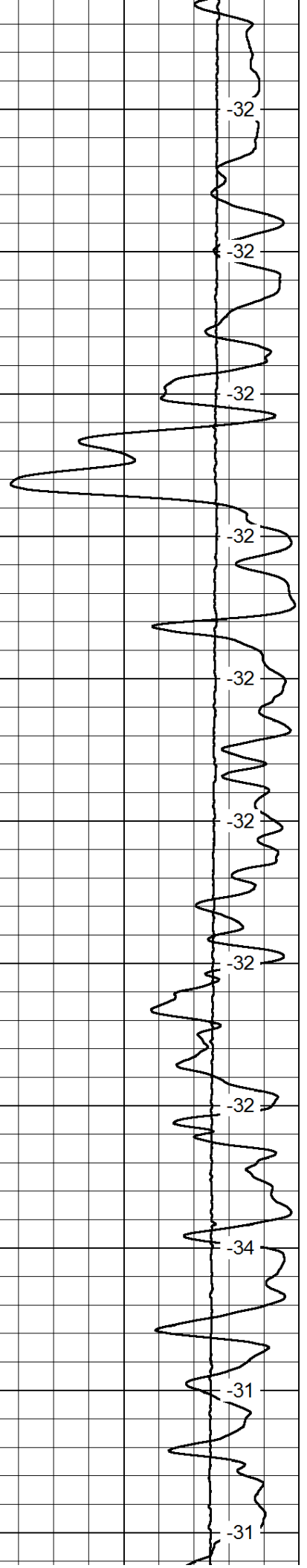
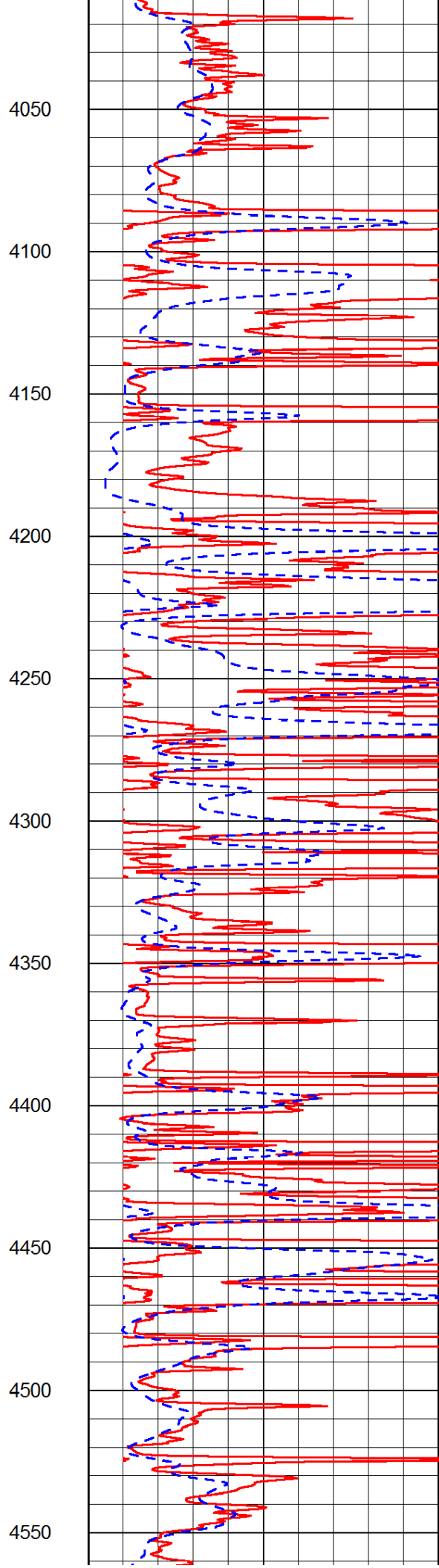
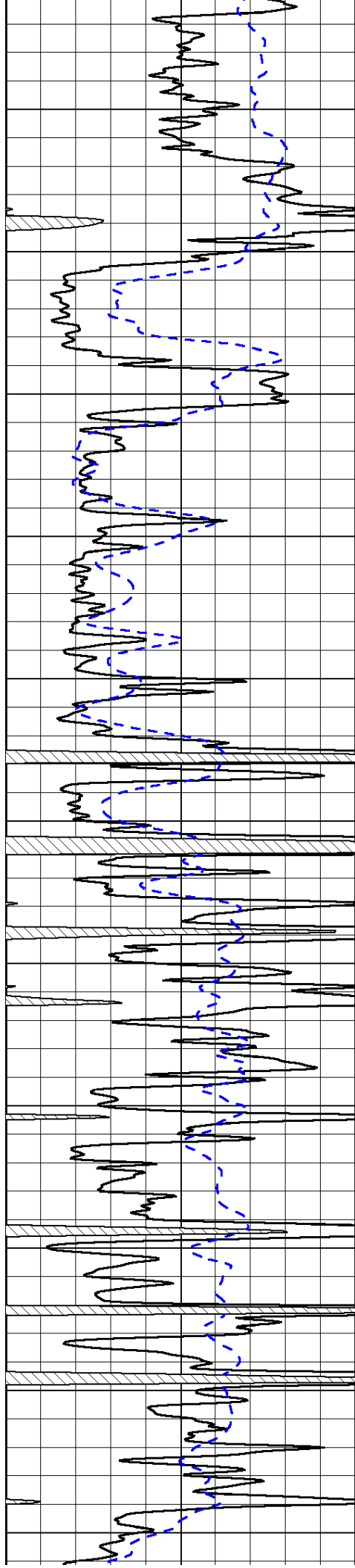


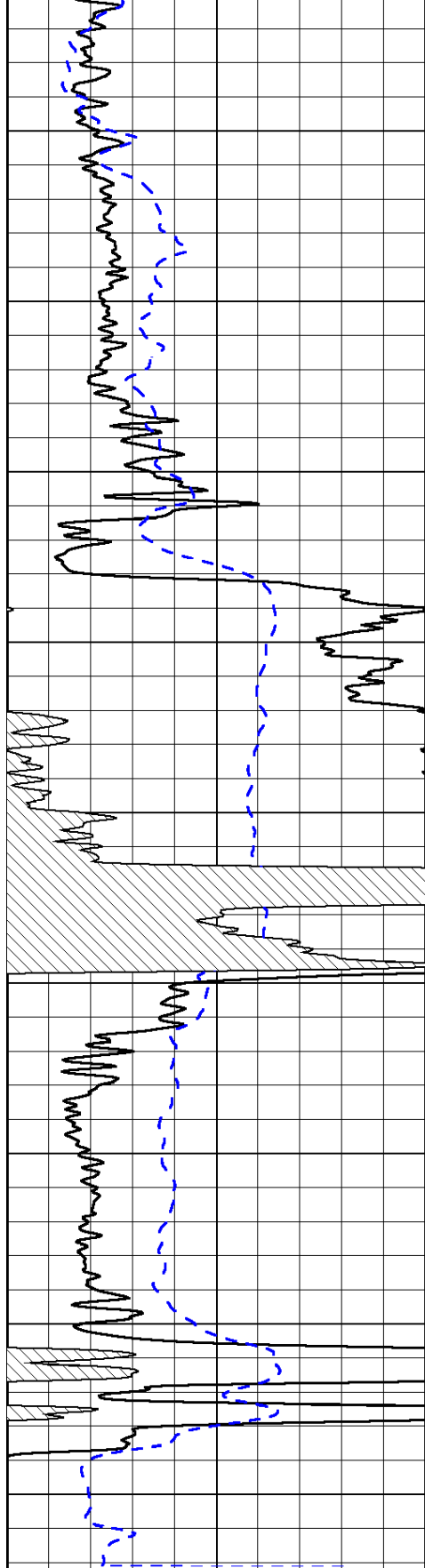




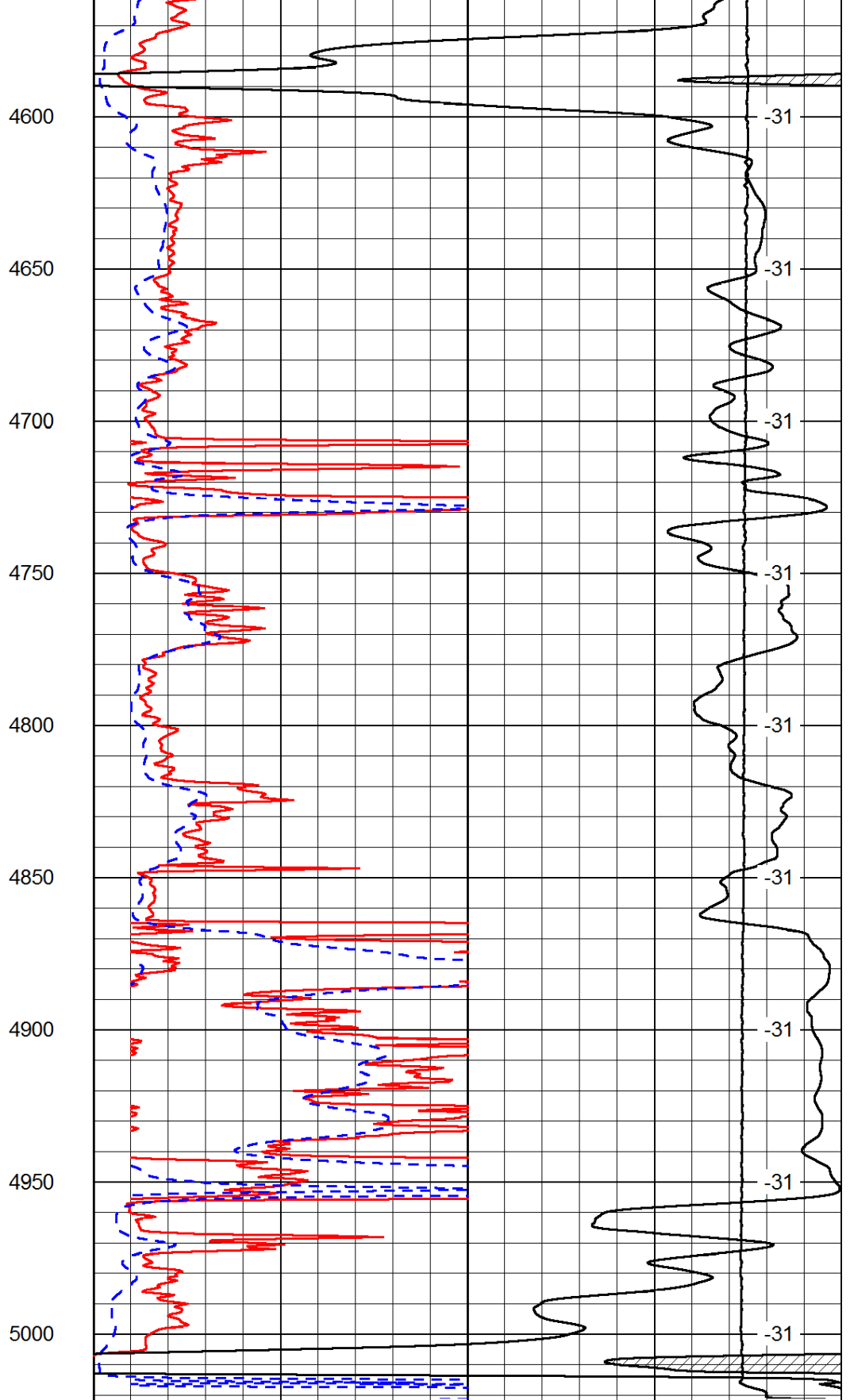








0 Gamma Ray 150
-200 SP (mV) 0



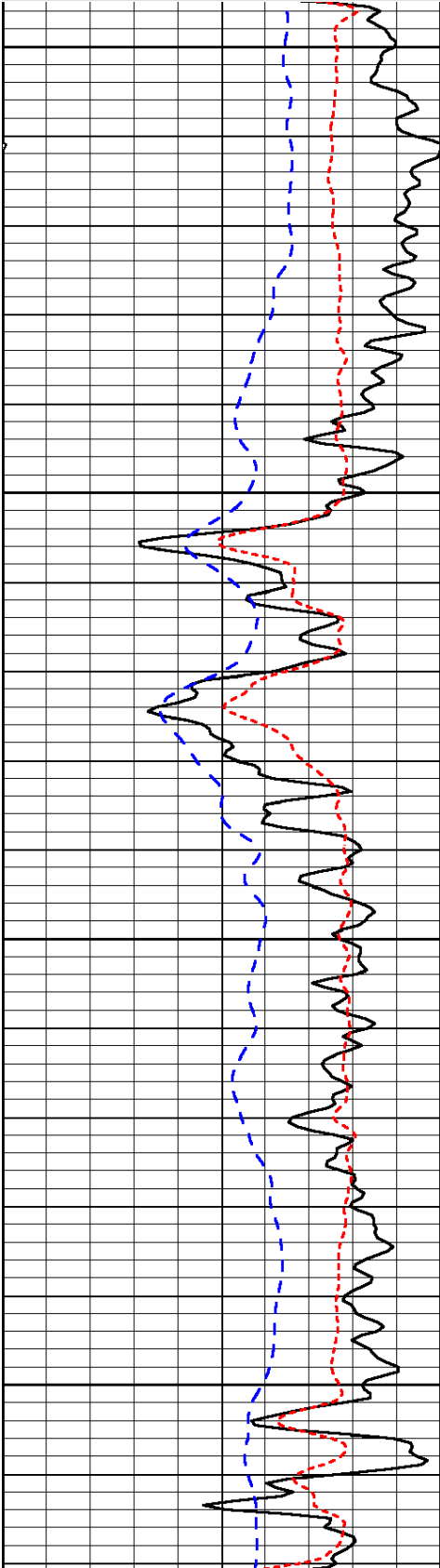
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

Database File: c:\warrior\data\n_10 exp_medicine river ranch d #10\n10hd.db
Dataset Pathname: dil/n10stk
Presentation Format: dil
Dataset Creation: Thu Mar 21 16:02:09 2013
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

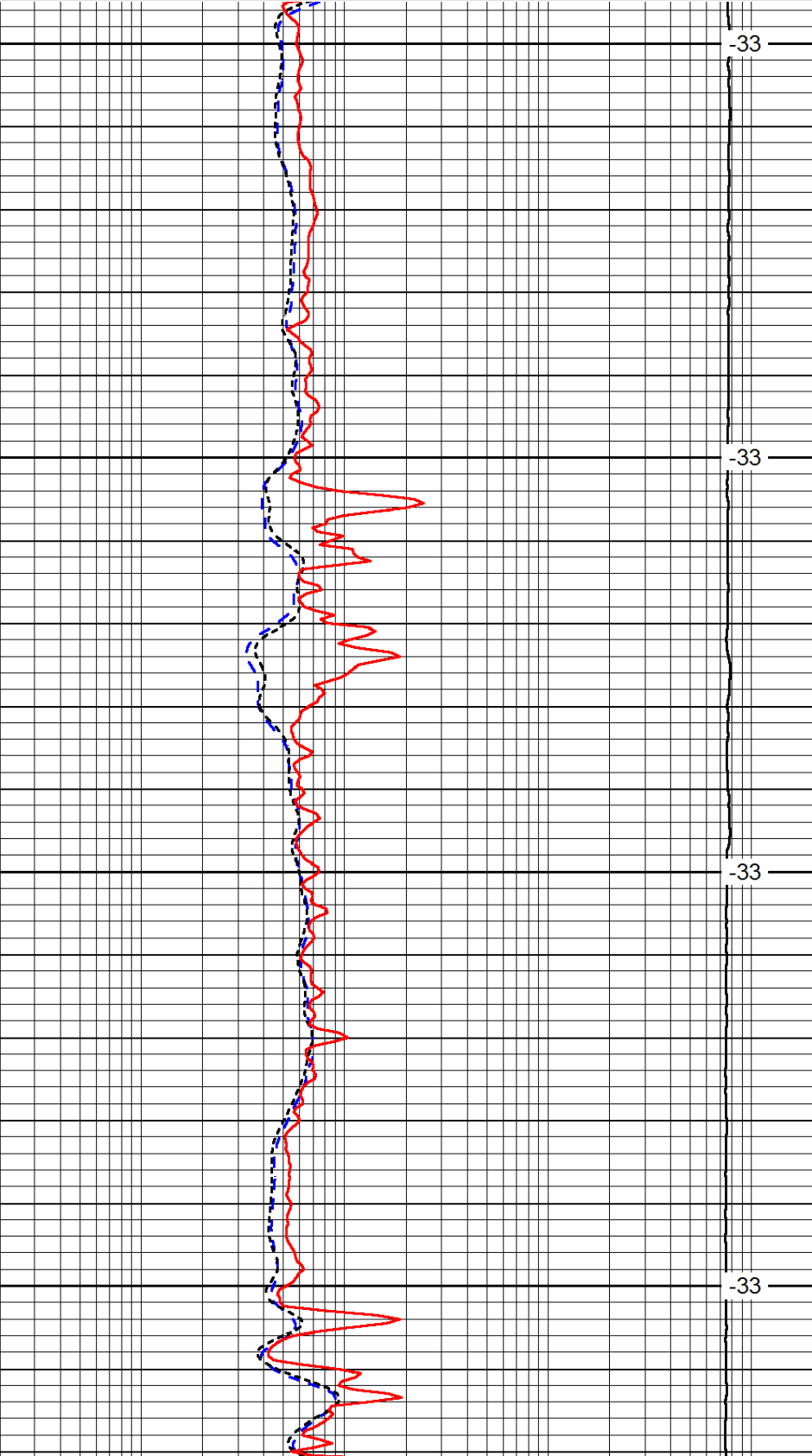


3400

3450

3500

3550

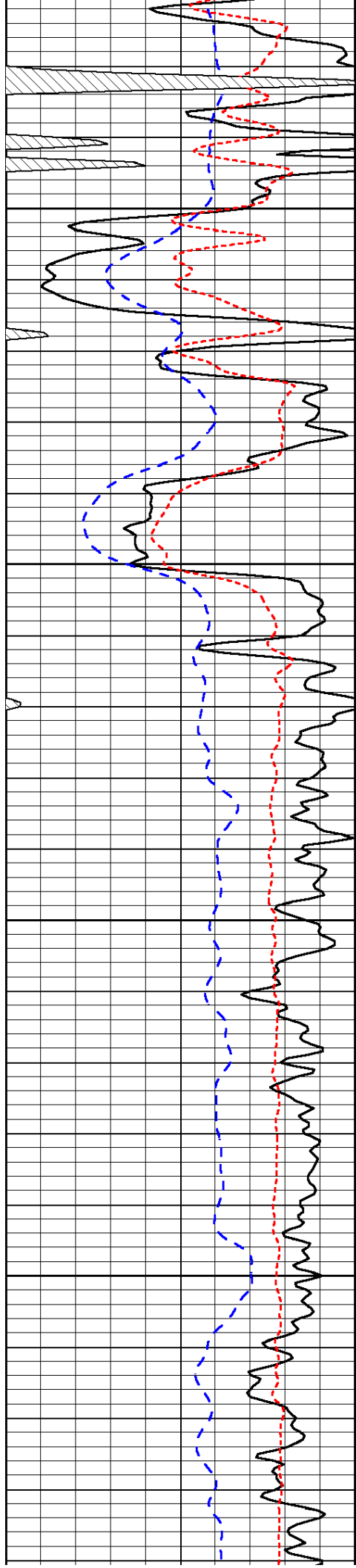


-33

-33

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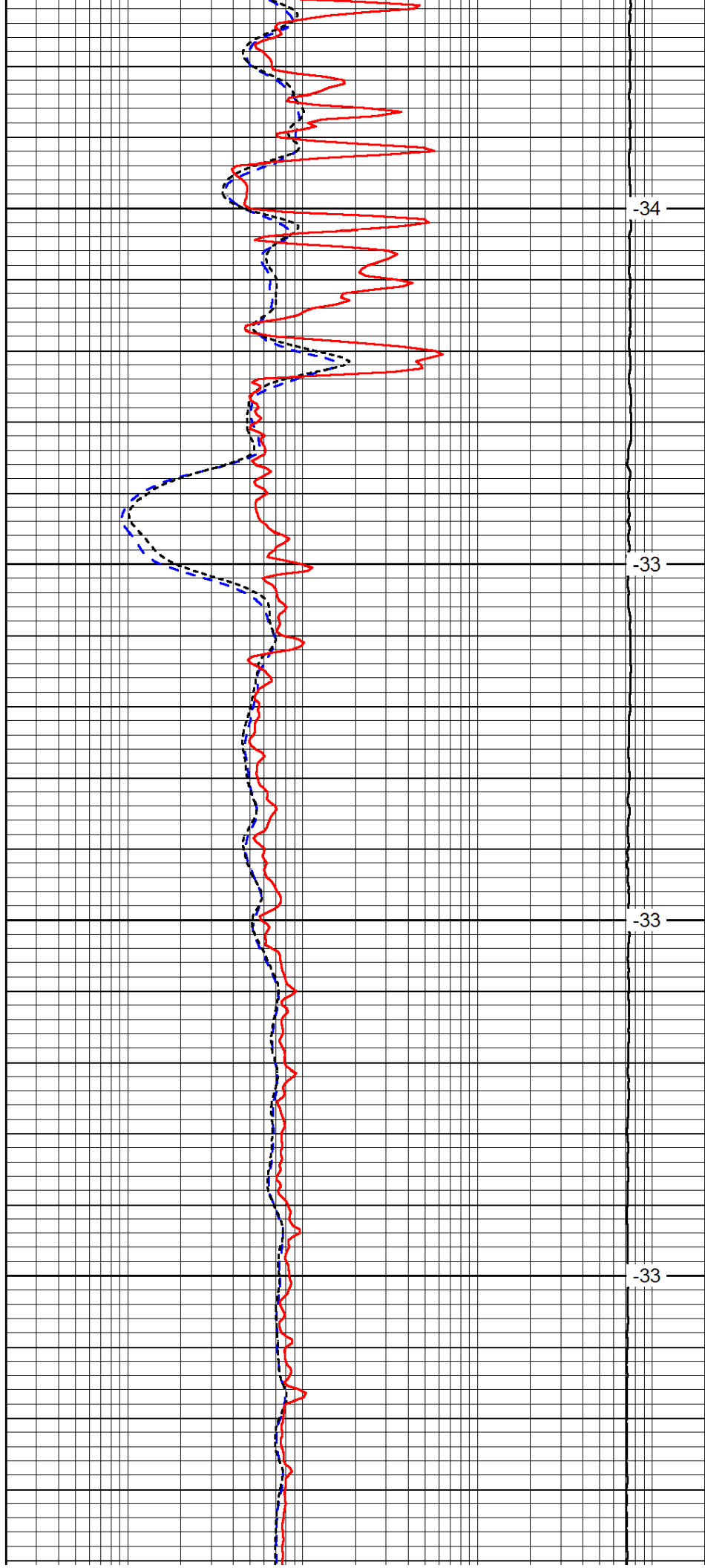


3600

3650

3700

3750

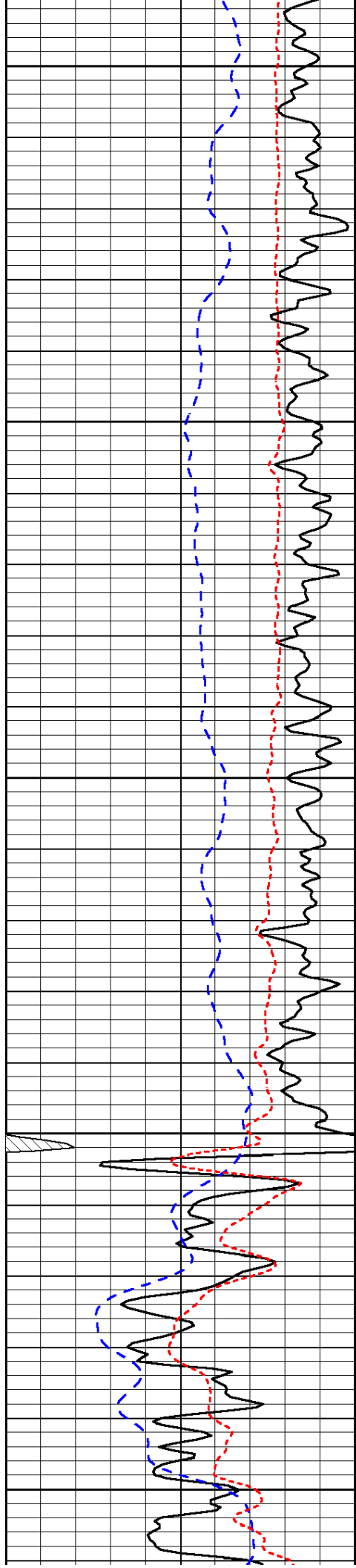


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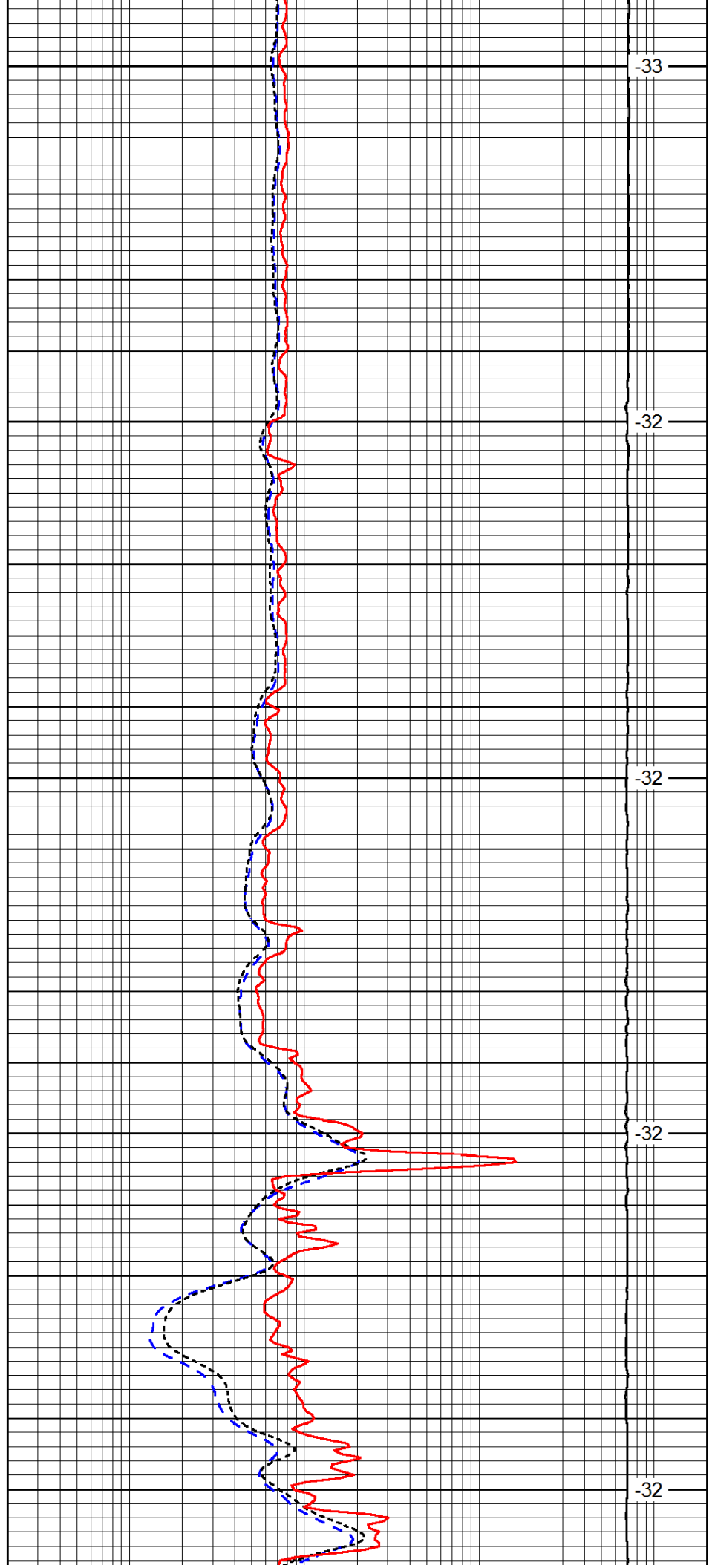
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3850

3900

3950

4000



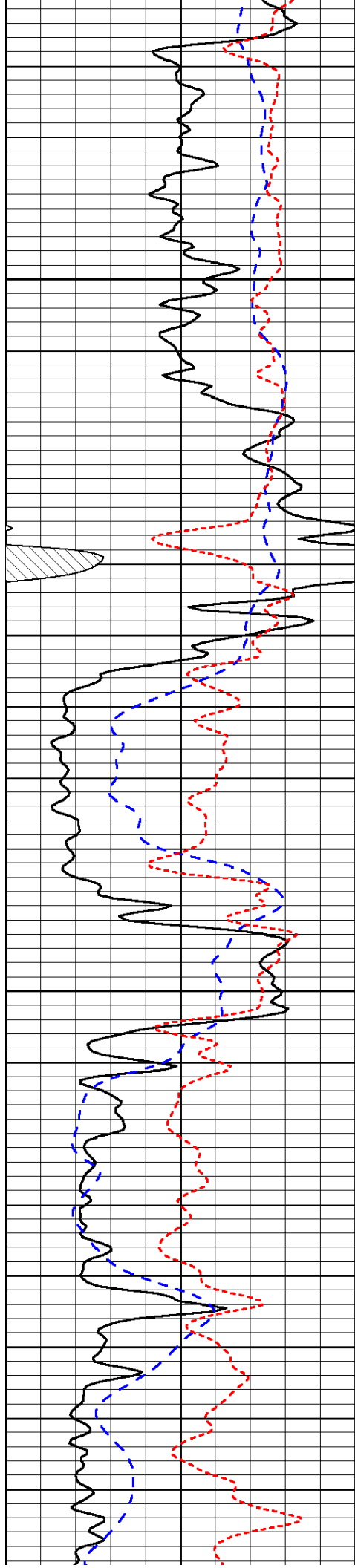
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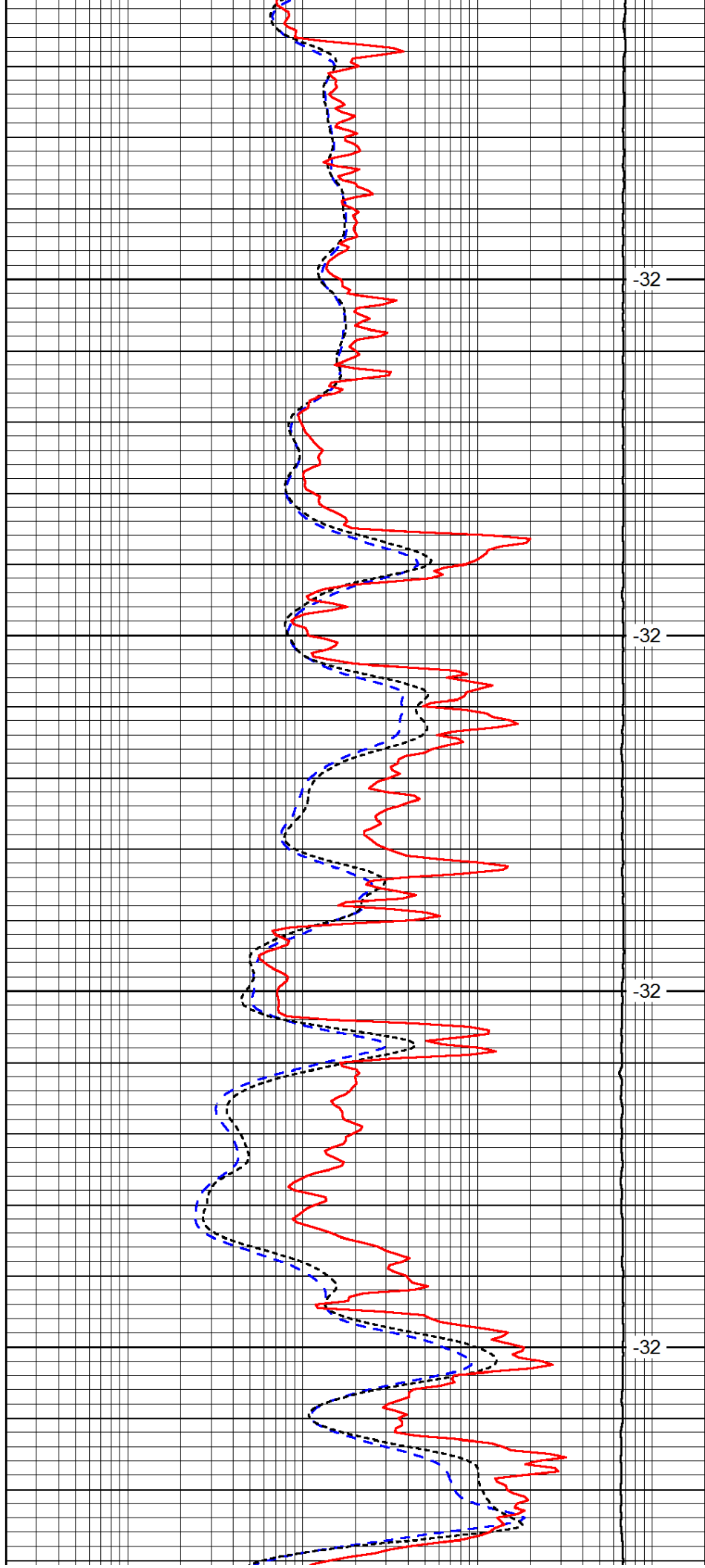


4050

4100

4150

4200

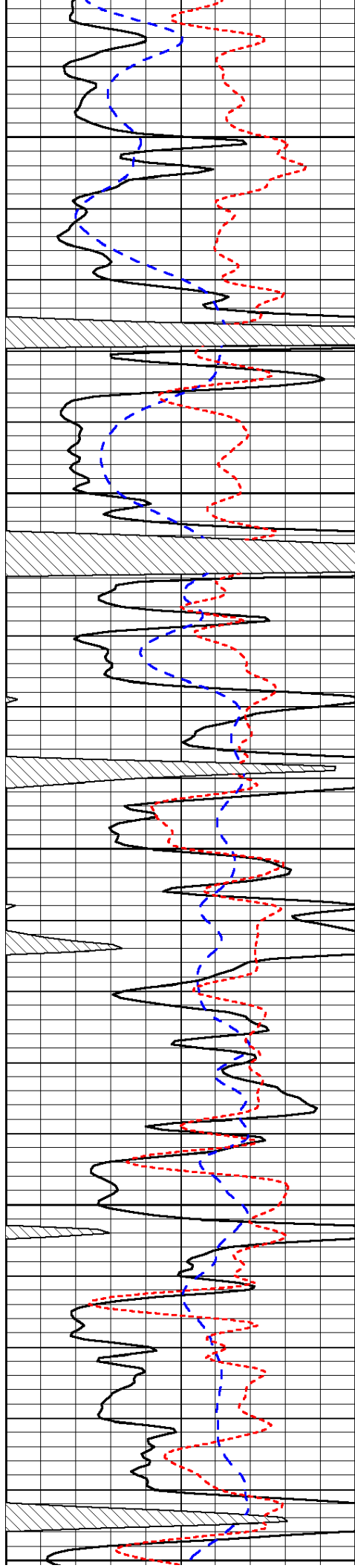


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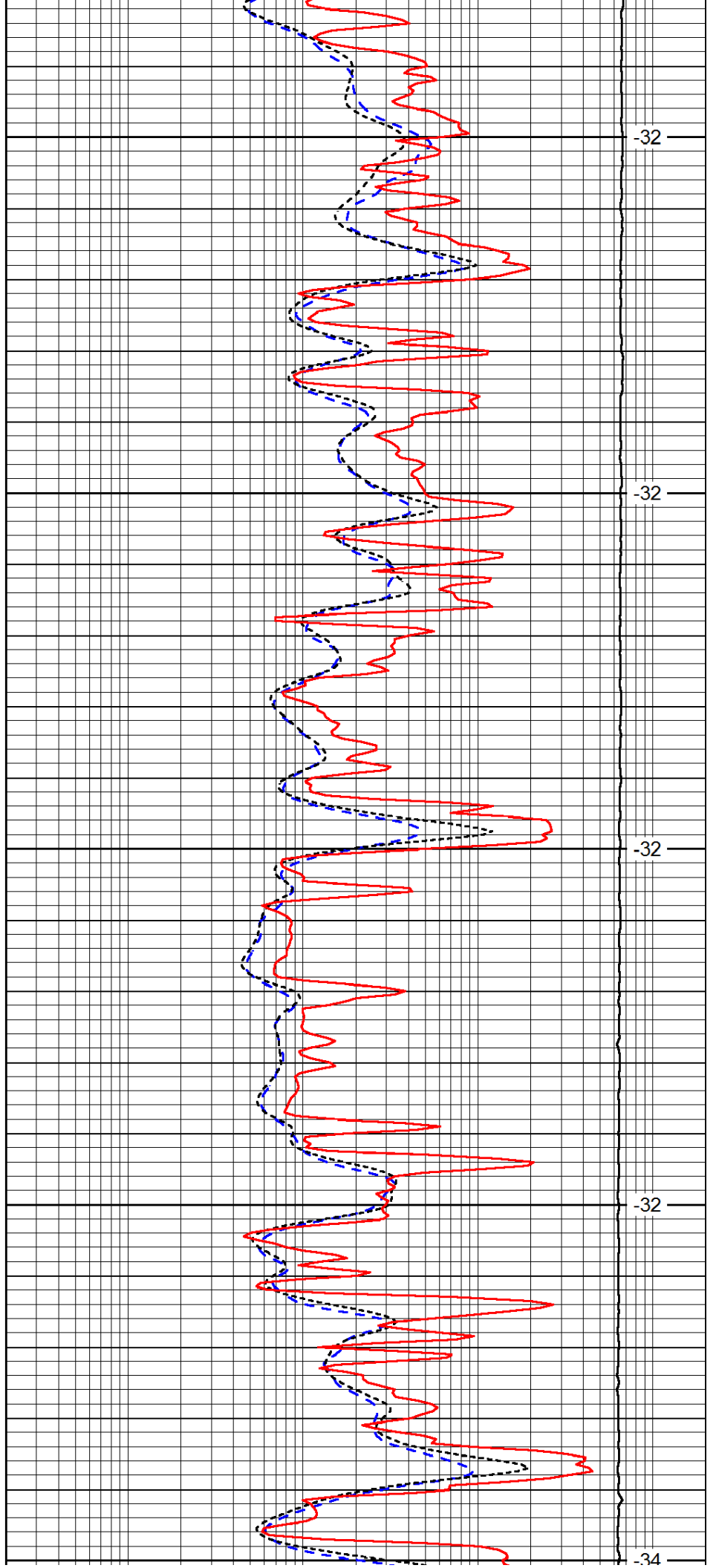
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4300

4350

4400

4450



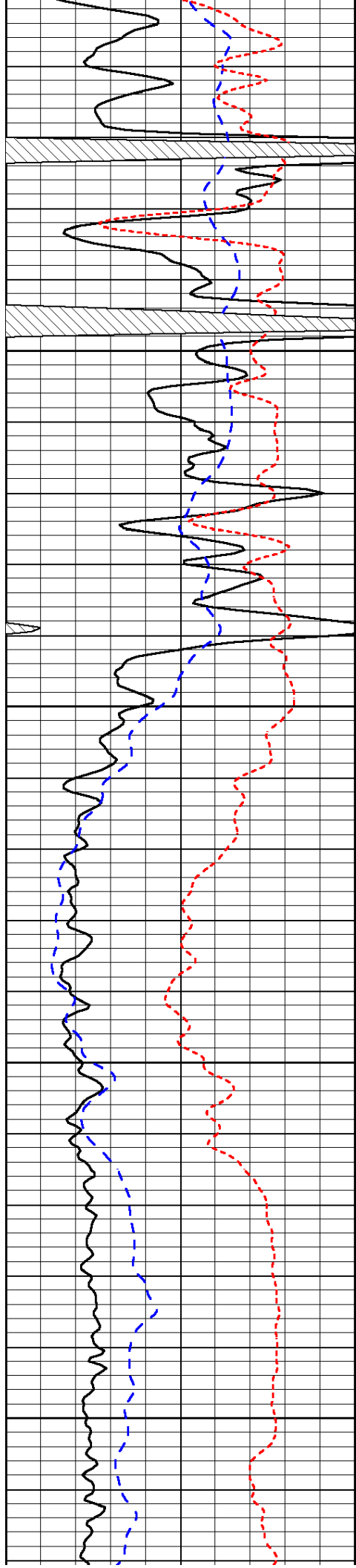
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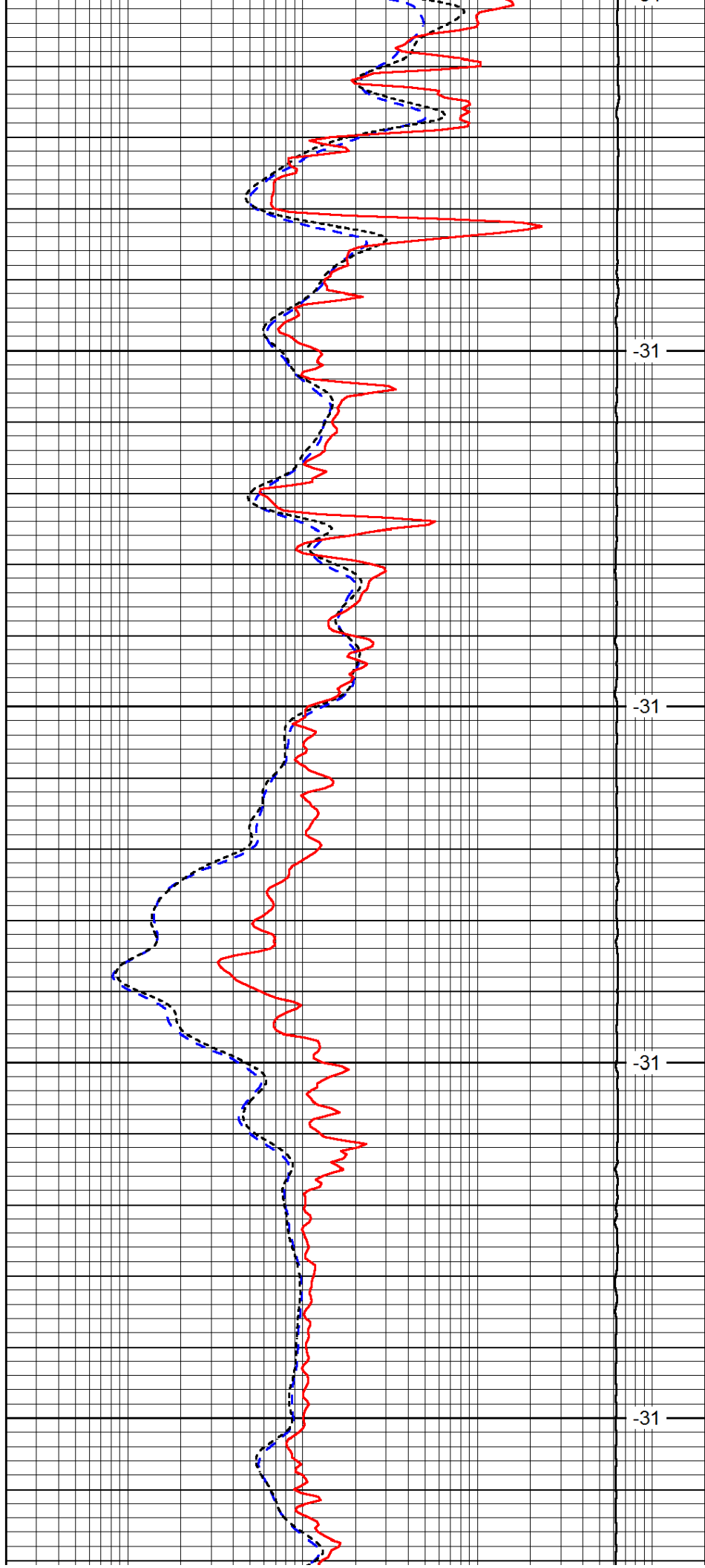


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4550

4600

4650

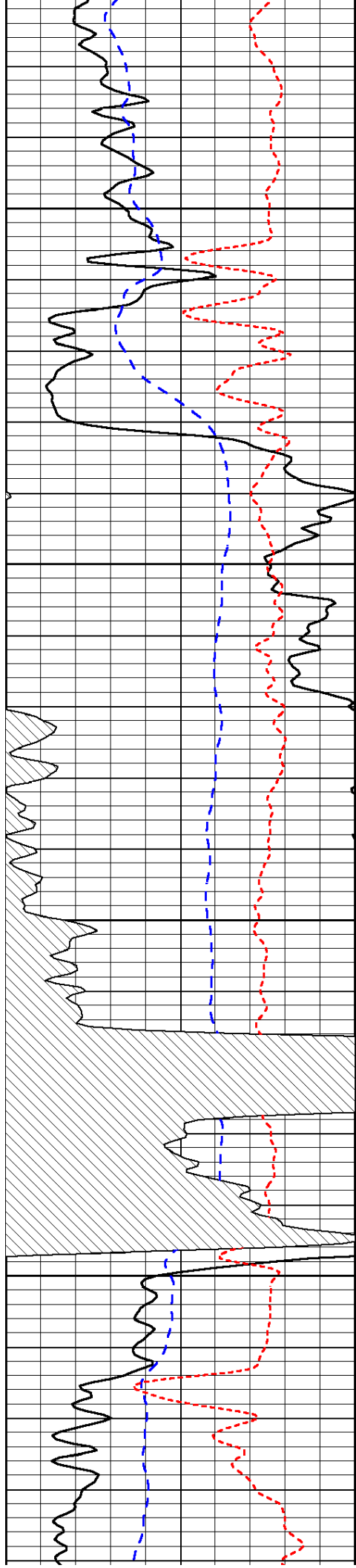


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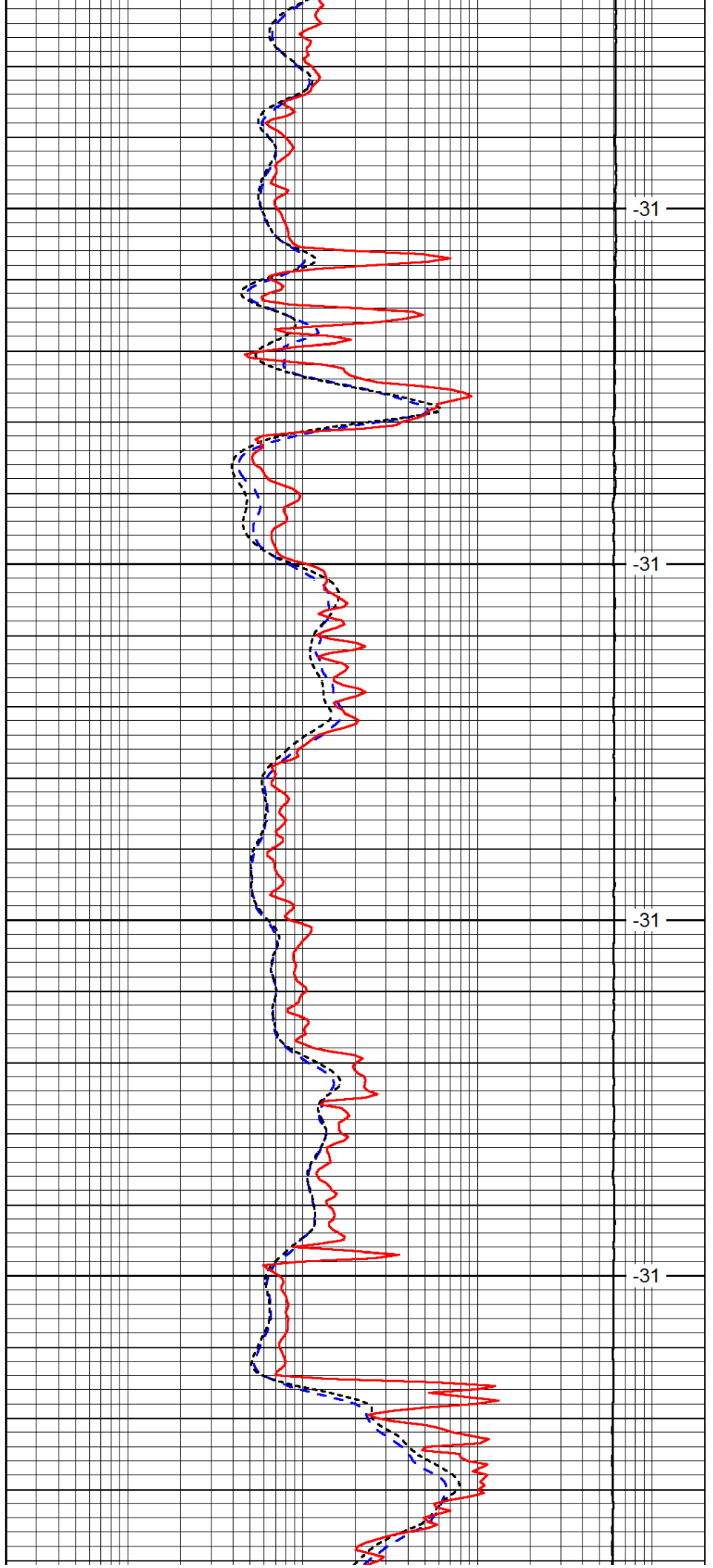


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4750

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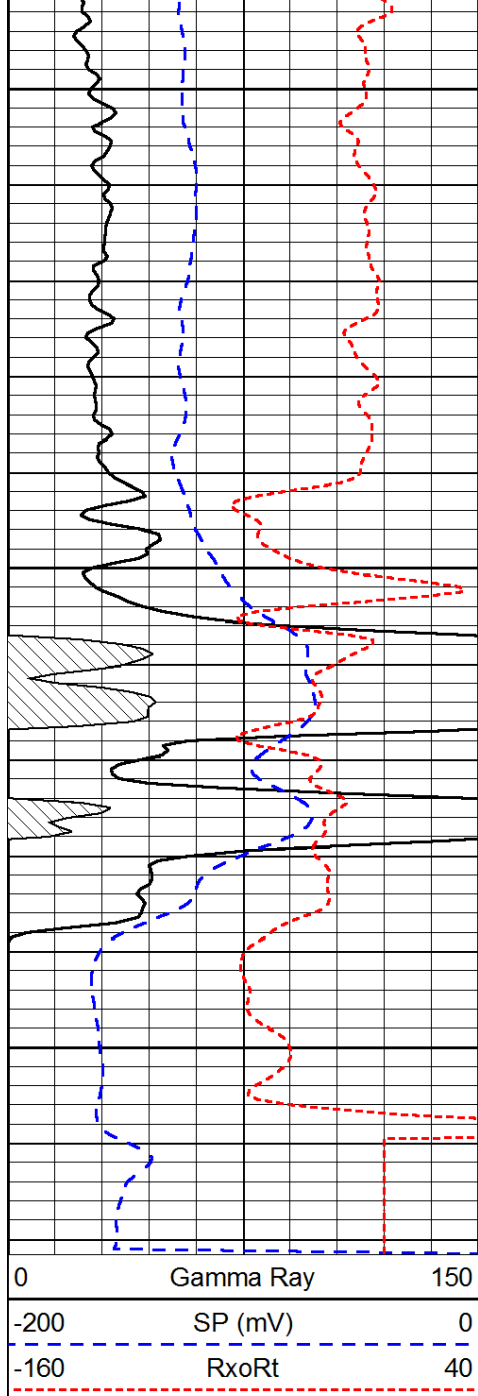


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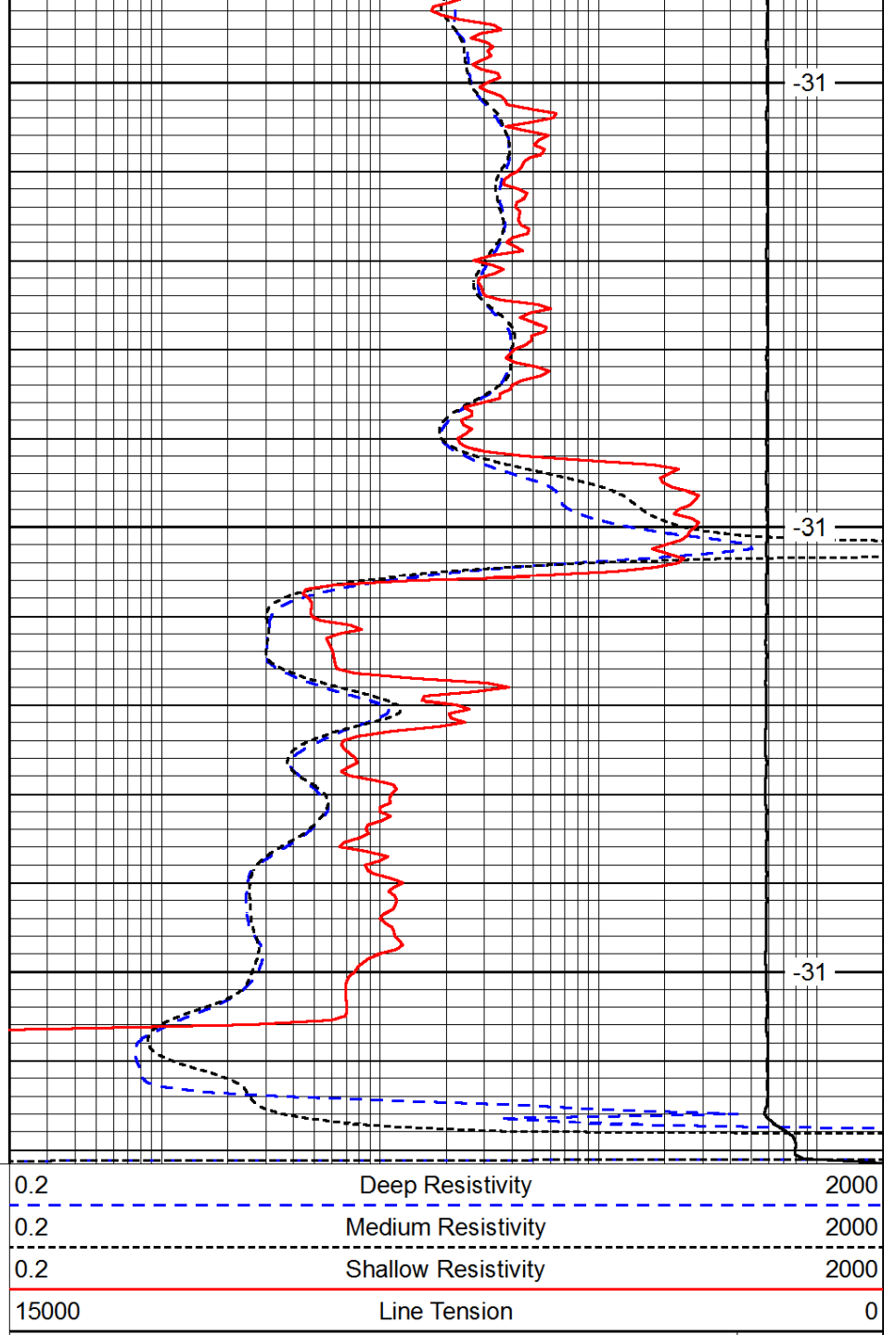
-31



4900

4950

5000



-31

-31

-31

LSPD