



Dual Induction Log

Pioneer Energy Services

API No.	Company Hamby Oil, LLC			
	Well Gehrke # 5			
	Field Lost Springs			
	County	Dickinson	State	Kansas
	Location	NE-SW-NE-NE 749' FNL & 818' FEL		
	Sec: 35	Twp: 16S	Rge: 4E	Other Services CNL/CDL MEL
Permanent Datum	Ground Level		Elevation 1439	
Log Measured From	Ground Level	0	Ft. Above Perm. Datum	K.B. D.F. G.L. 1439
Drilling Measured From	Ground Level			
Date	8/23/2014			
Run Number	One			
Depth Driller	2890			
Depth Logger	2888			
Bottom Logged Interval	2887			
Top Log Interval	250			
Casing Driller	8.625 @ 250			
Casing Logger	254			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	700			
Density / Viscosity	9.2	40		
pH / Fluid Loss	8.5	11.8		
Source of Sample	Flowline			
Rm @ Meas. Temp	.53 @ 76			
Rmf @ Meas. Temp	.40 @ 76			
Rmc @ Meas. Temp	.72 @ 76			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.38 @ 105			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	106			
Equipment Number	10			
Location	Hays			
Recorded By	J. Henrickson			
Witnessed By	Seth Evenson			

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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

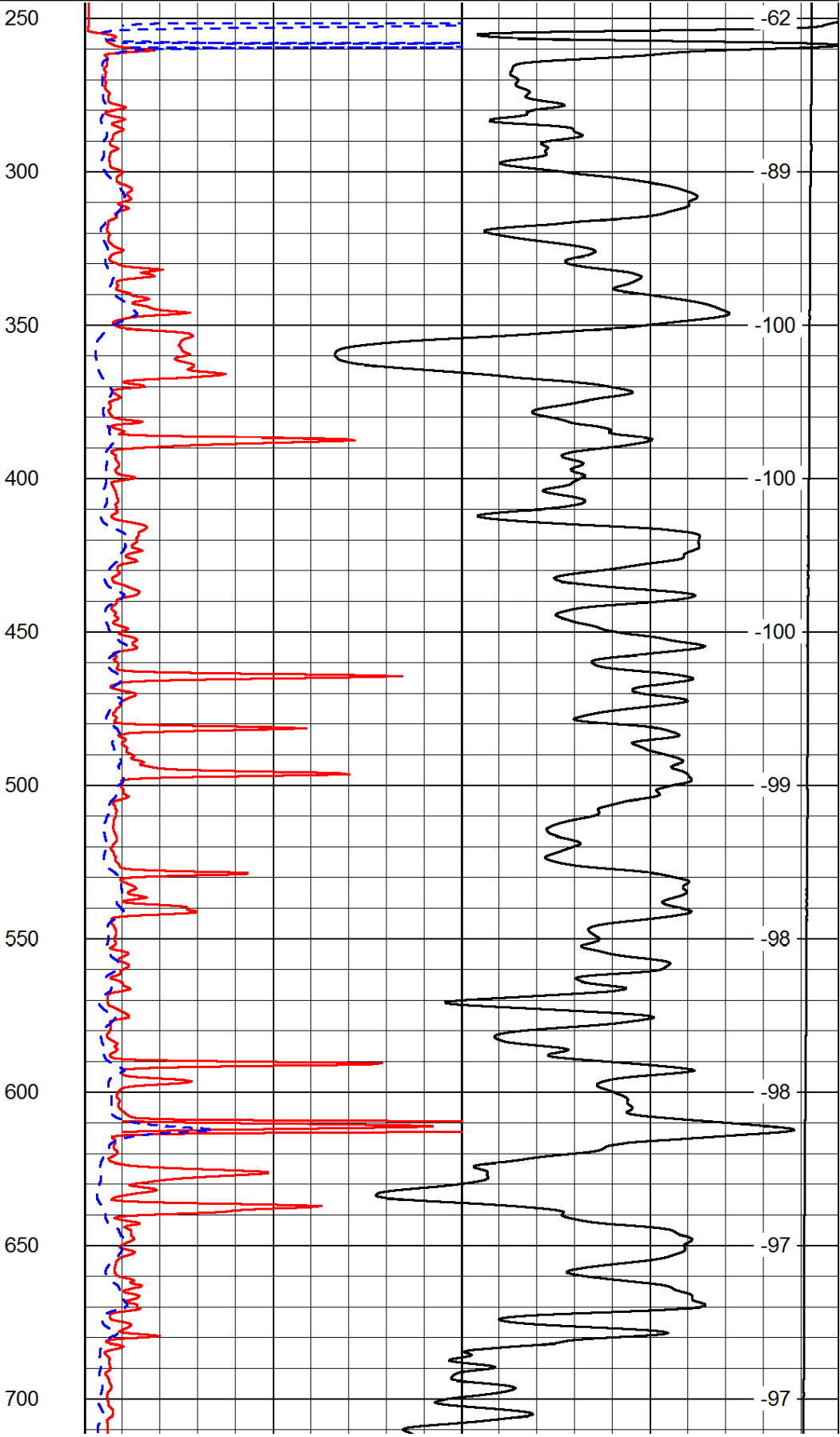
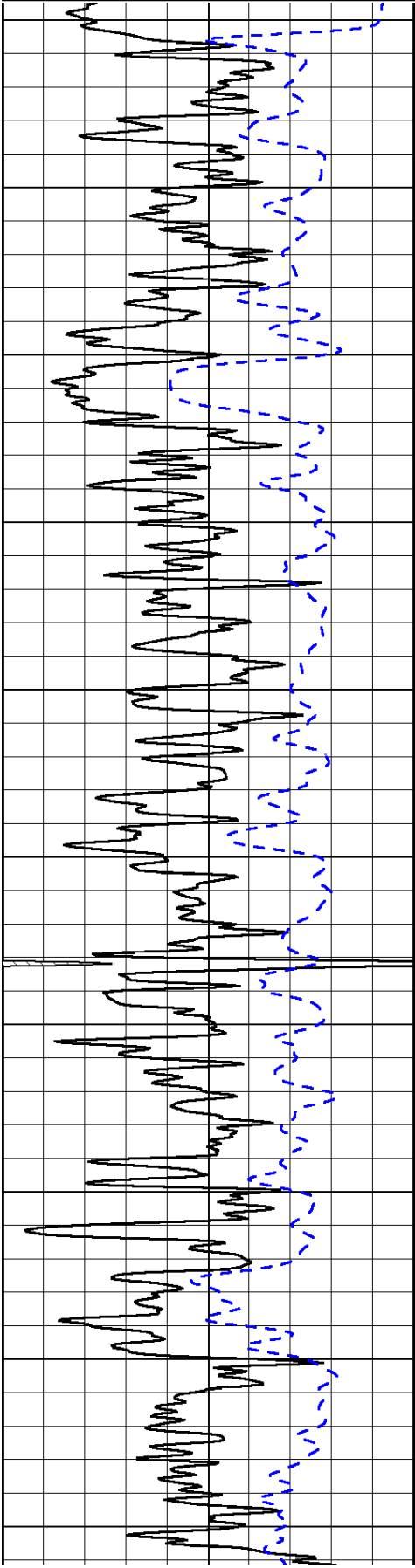
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

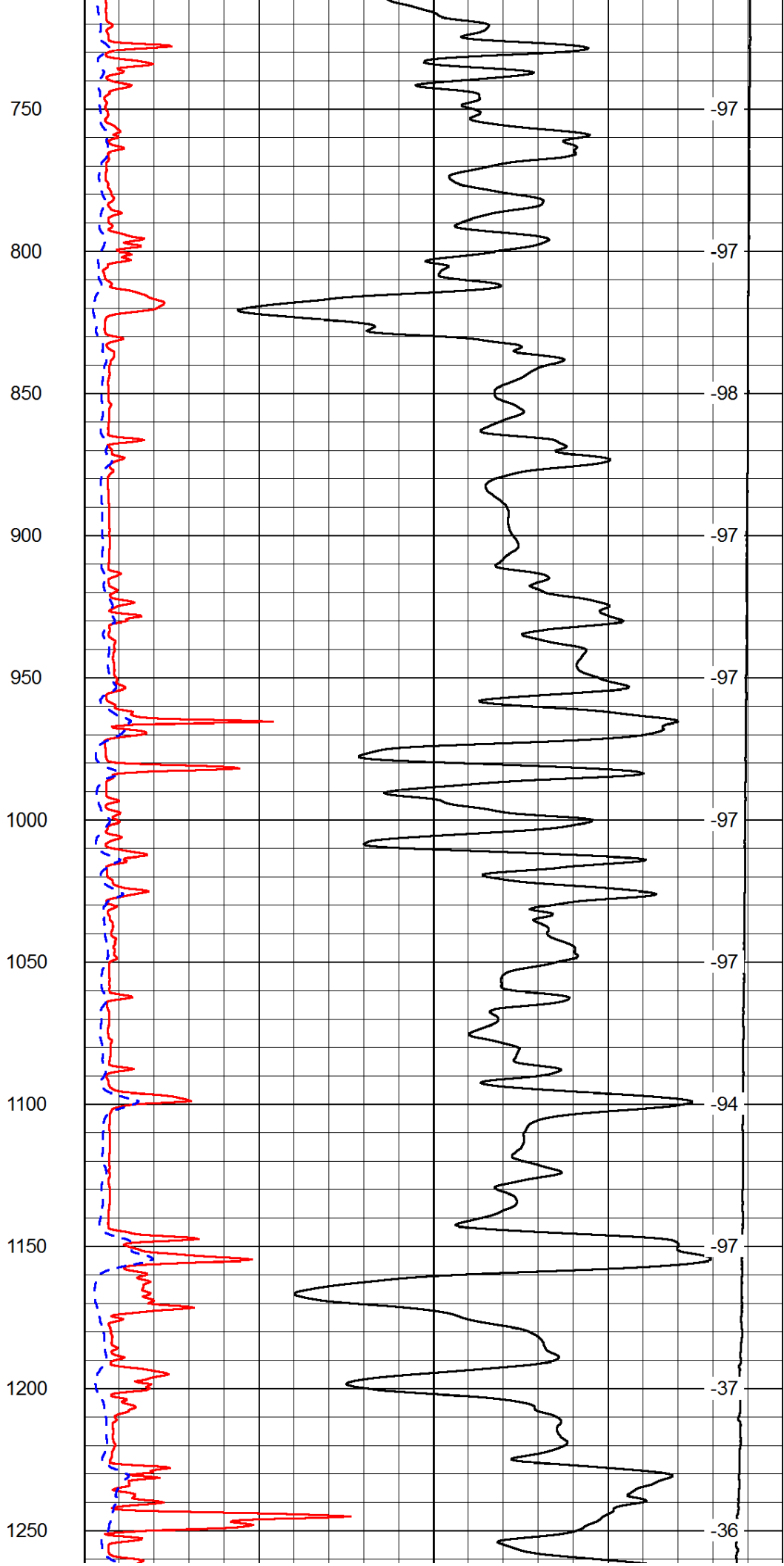
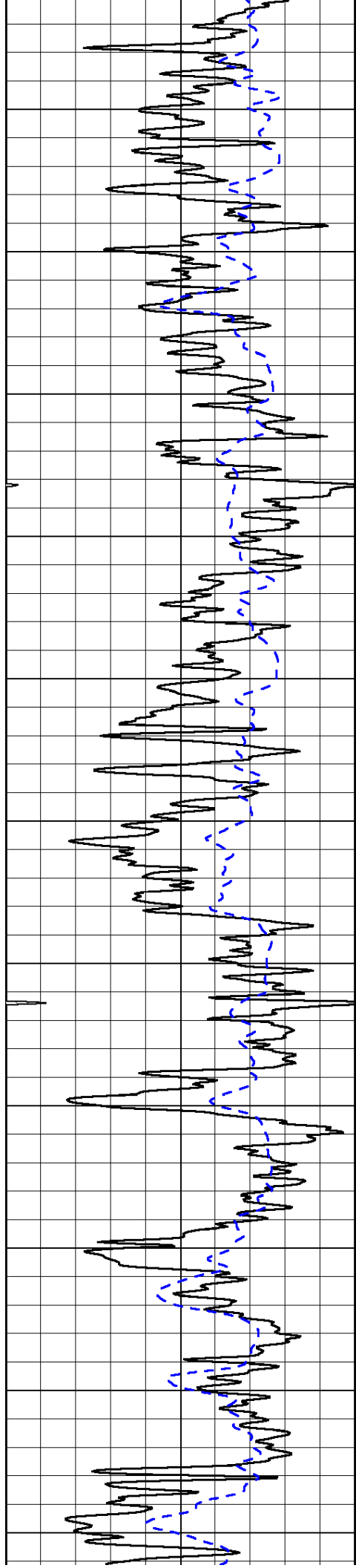
Herrington Kansas
2 1/2 South, West Into

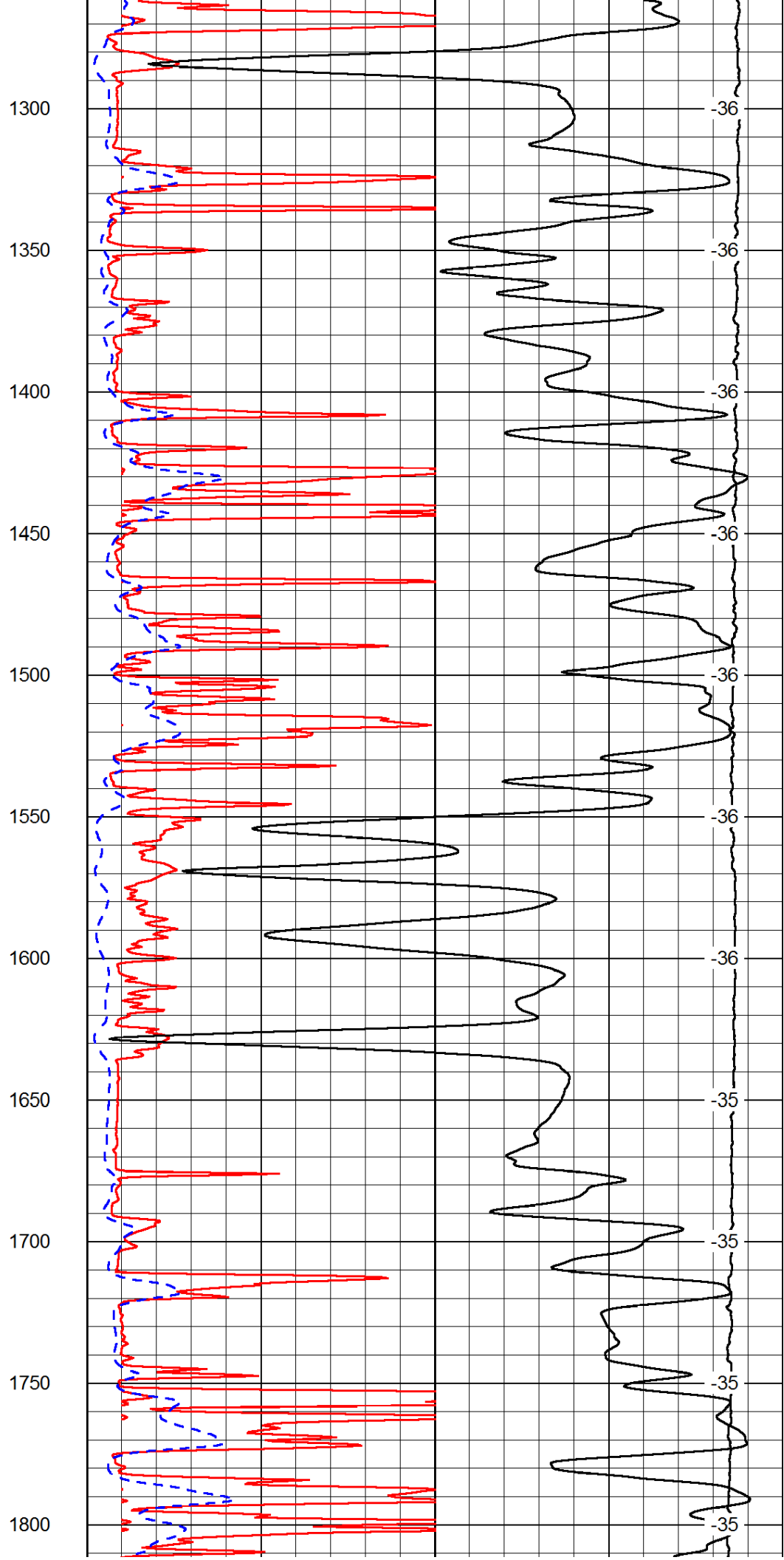
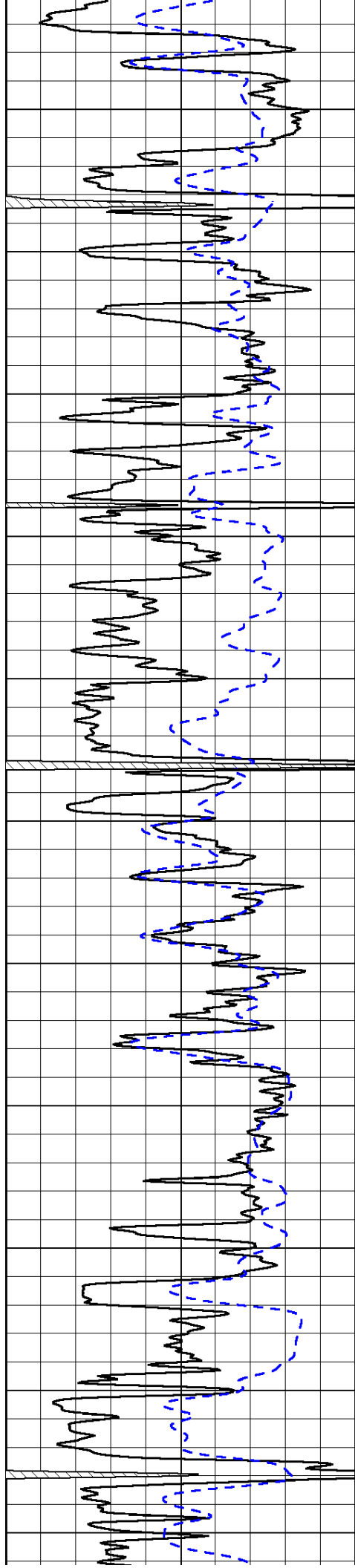
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Presentation Format: dil2in
Dataset Creation: Sat Aug 23 07:12:51 2014
Charted by: Depth in Feet scaled 1:600

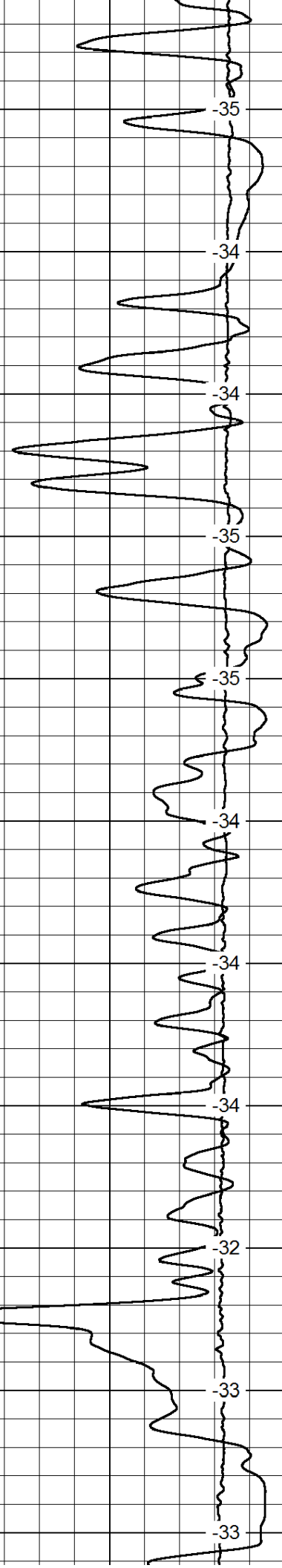
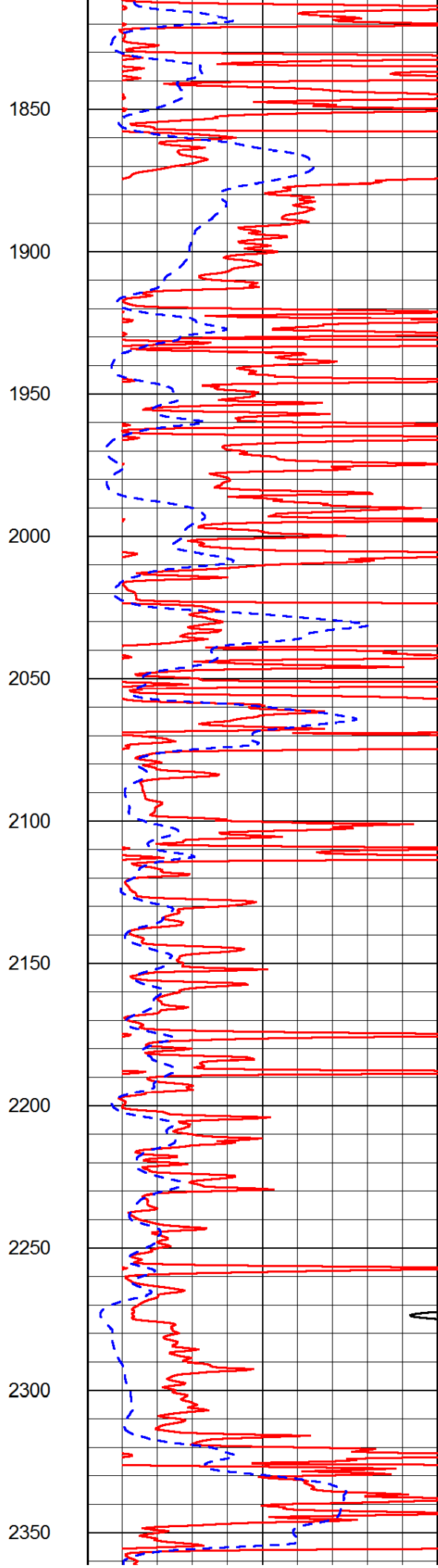
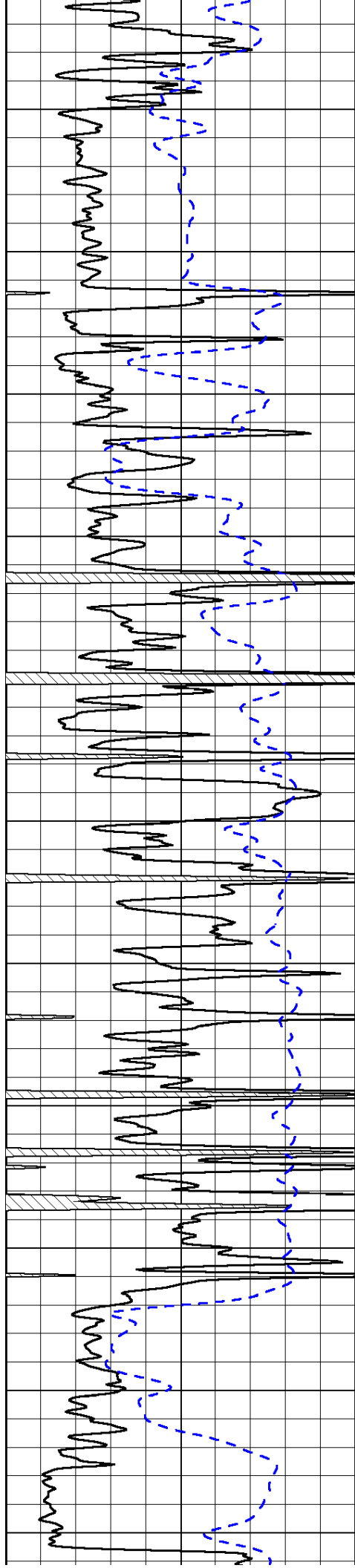
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-200	SP (mV)	0

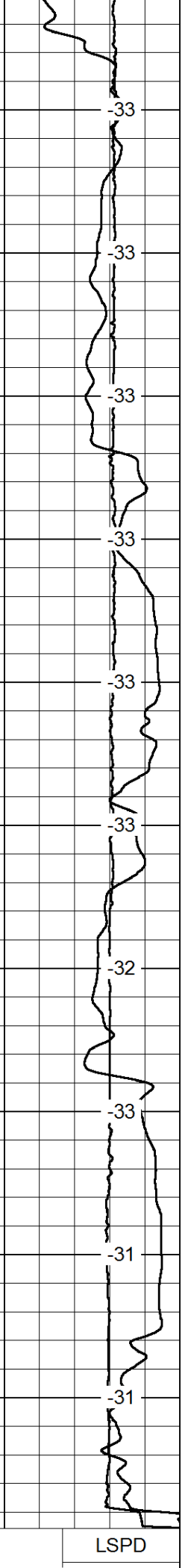
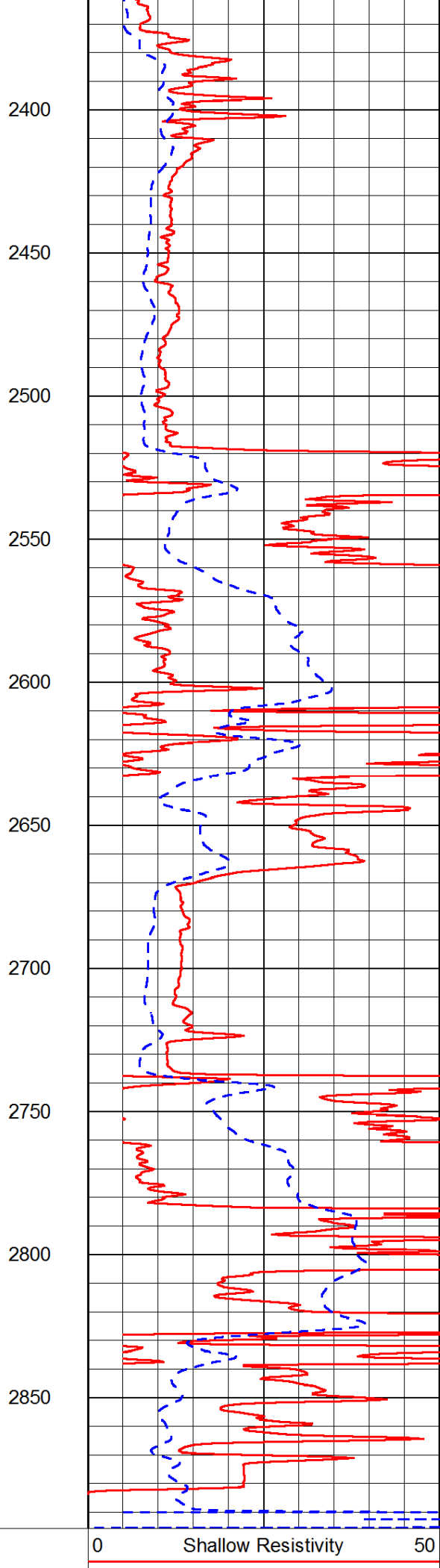
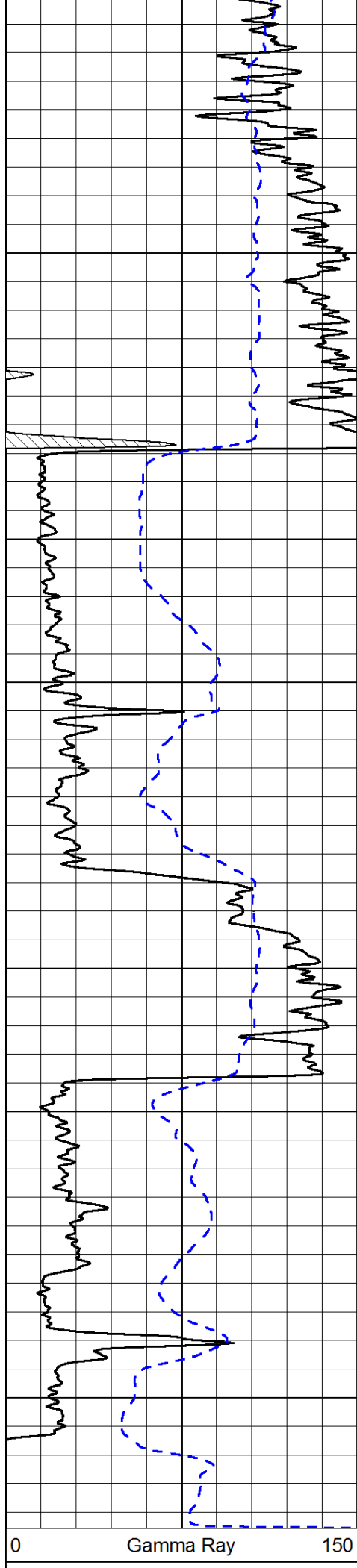
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0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	











-200	SP (mV)	0

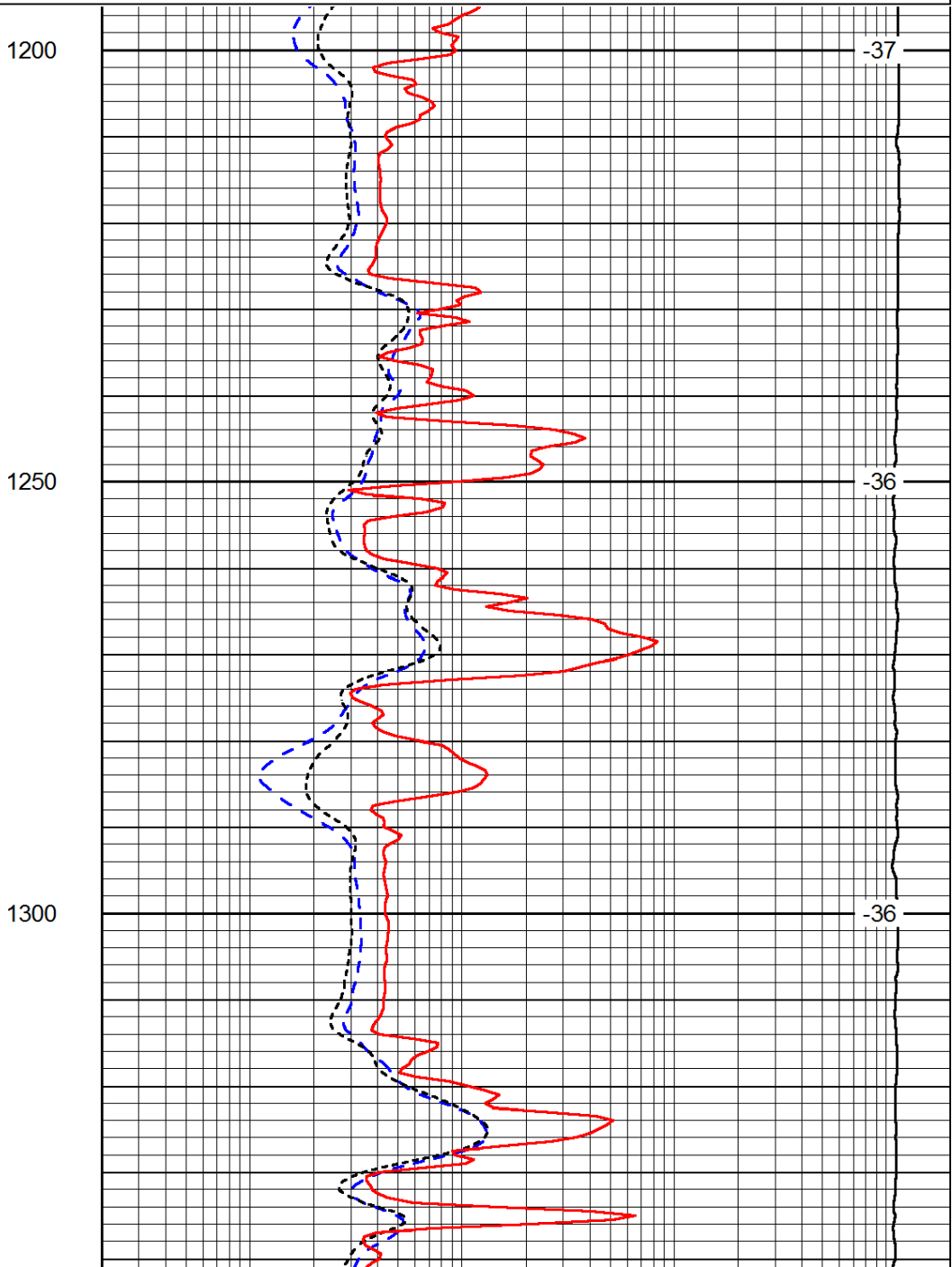
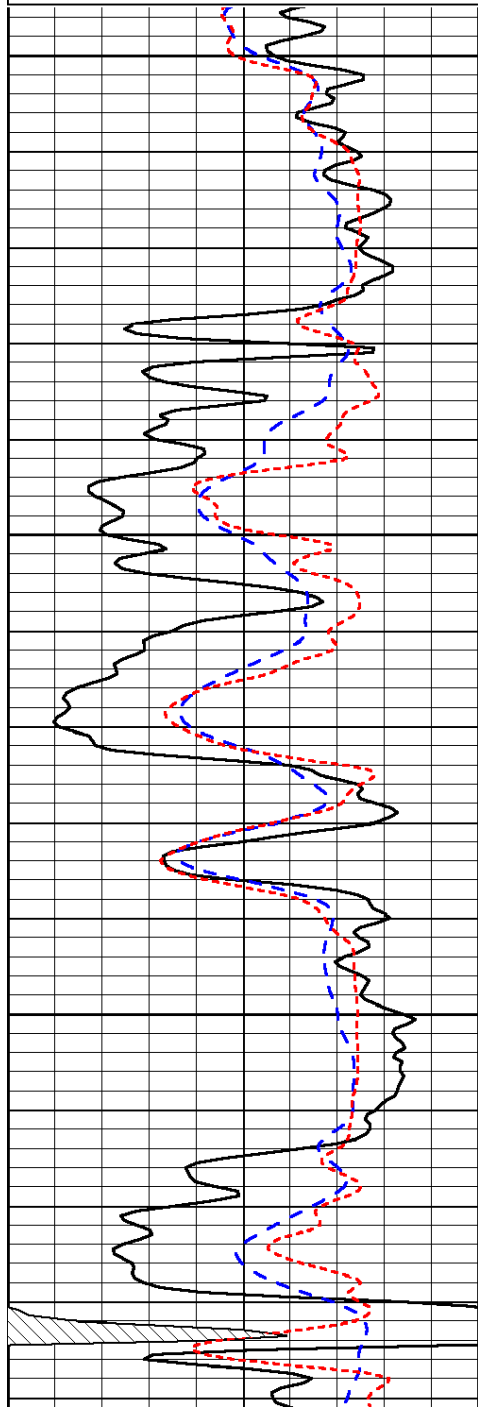
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15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

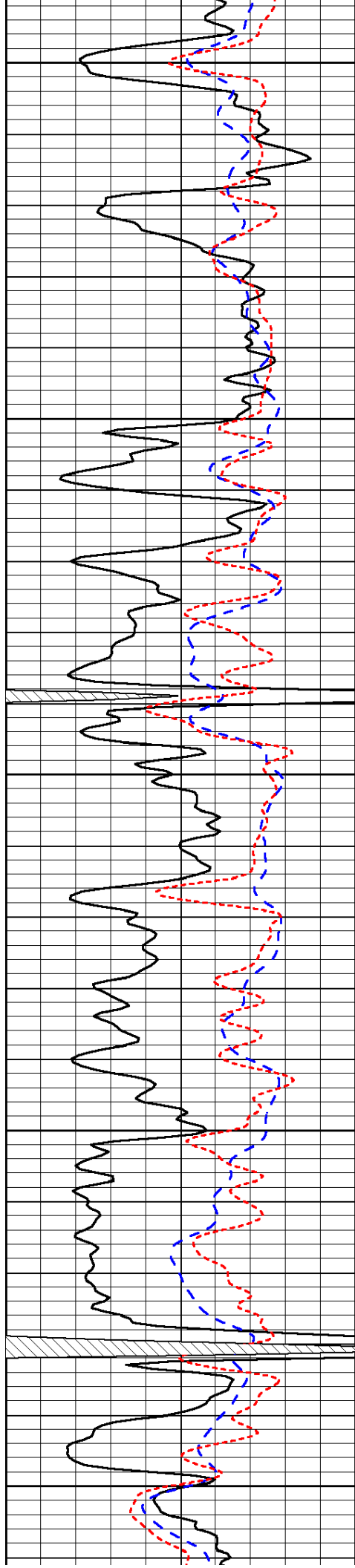
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Dataset Pathname:	DIL/hamstk
Presentation Format:	dil
Dataset Creation:	Sat Aug 23 07:12:51 2014
Charted by:	Depth in Feet scaled 1:240

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

0.2	Deep Resistivity	2000
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15000	Line Tension	0

LSPD





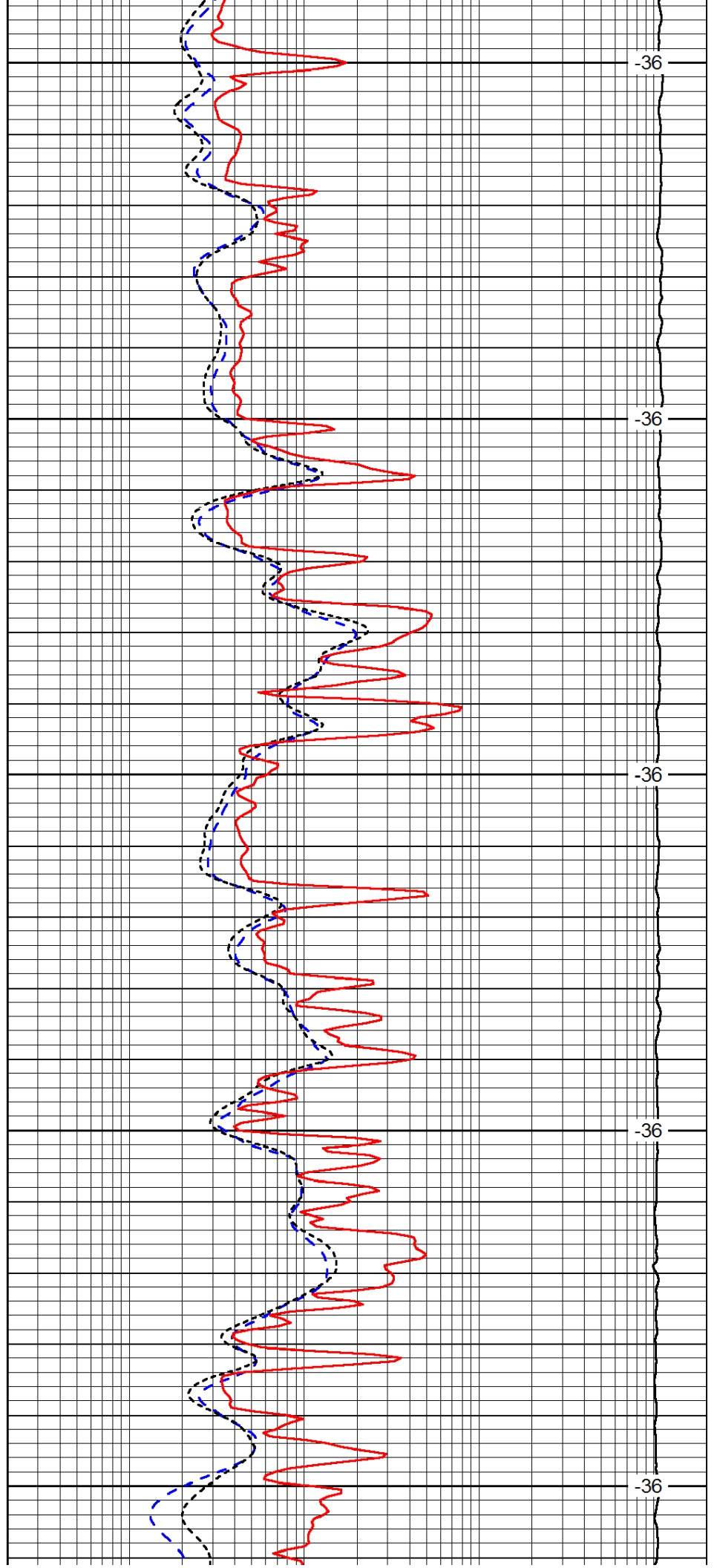
1350

1400

1450

1500

1550



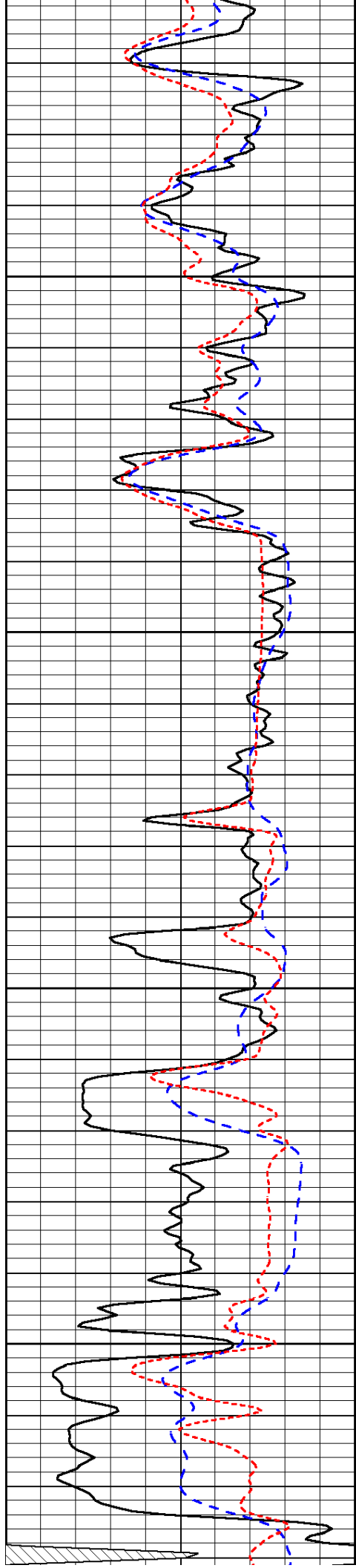
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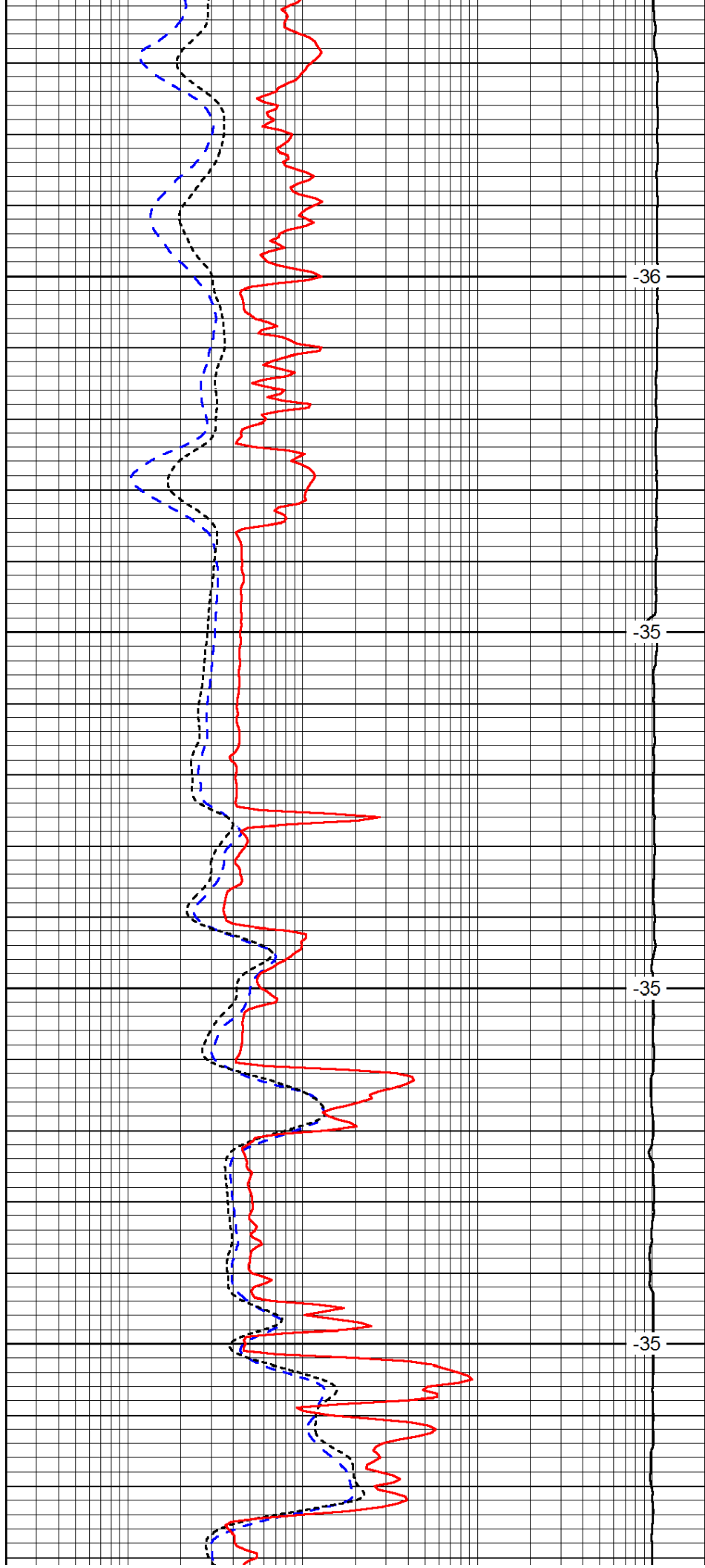


1600

1650

1700

1750

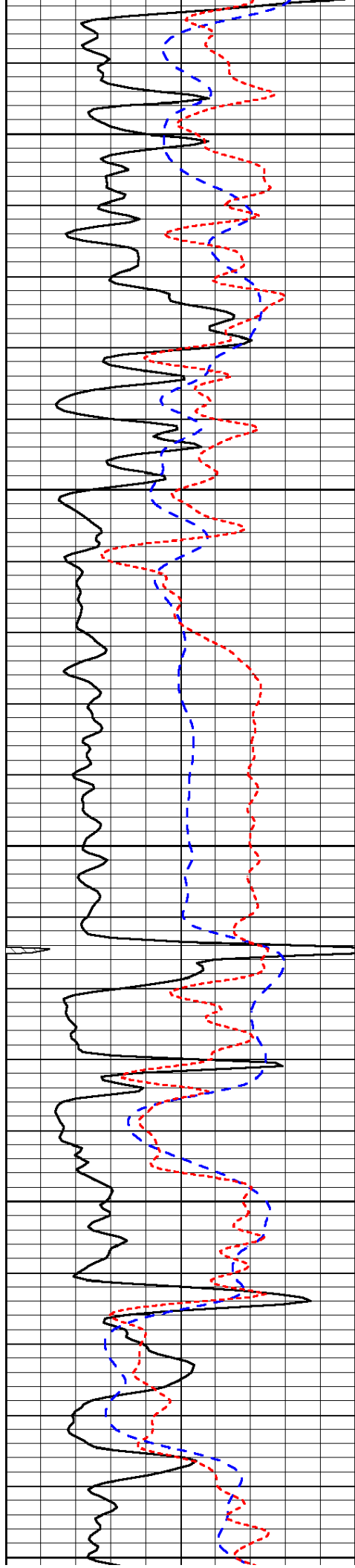


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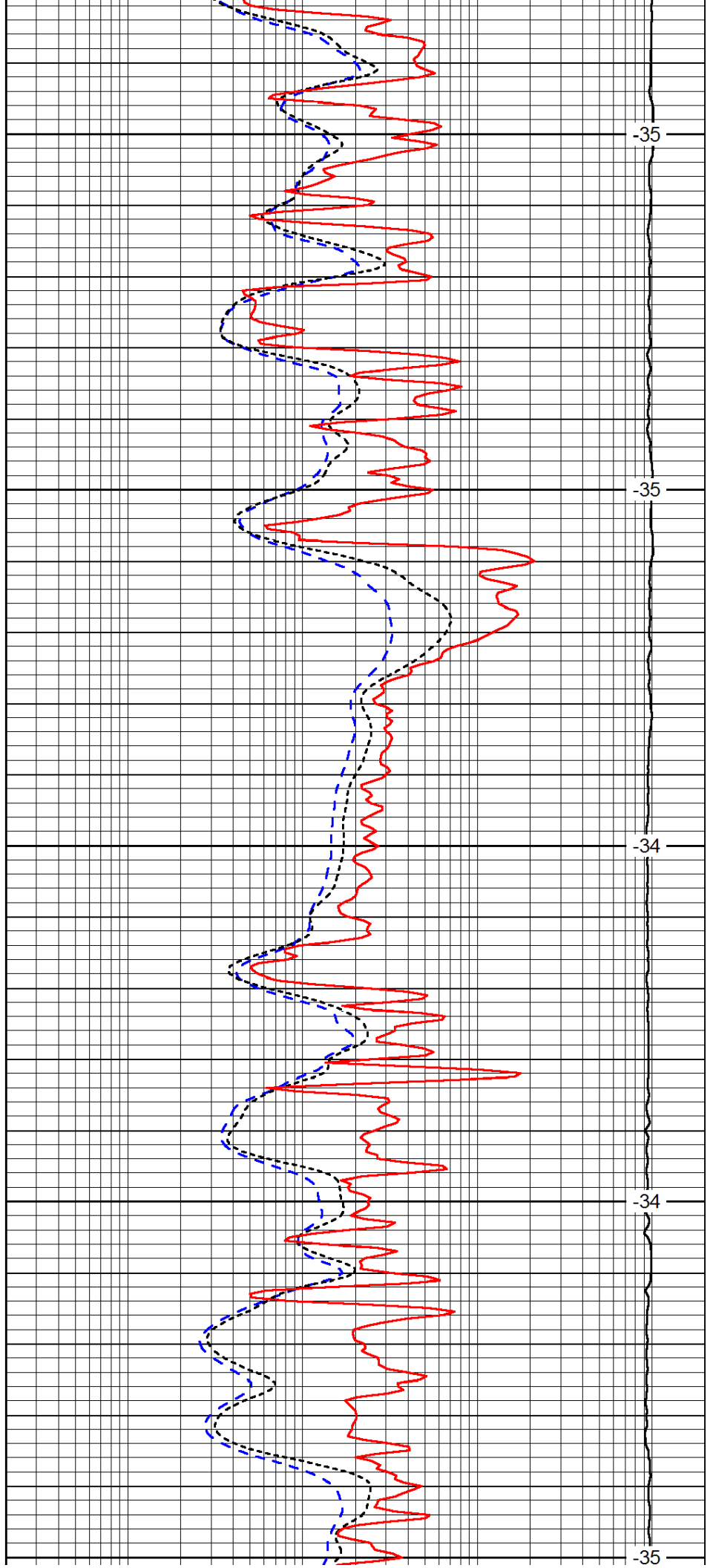
1800

1850

1900

1950

2000



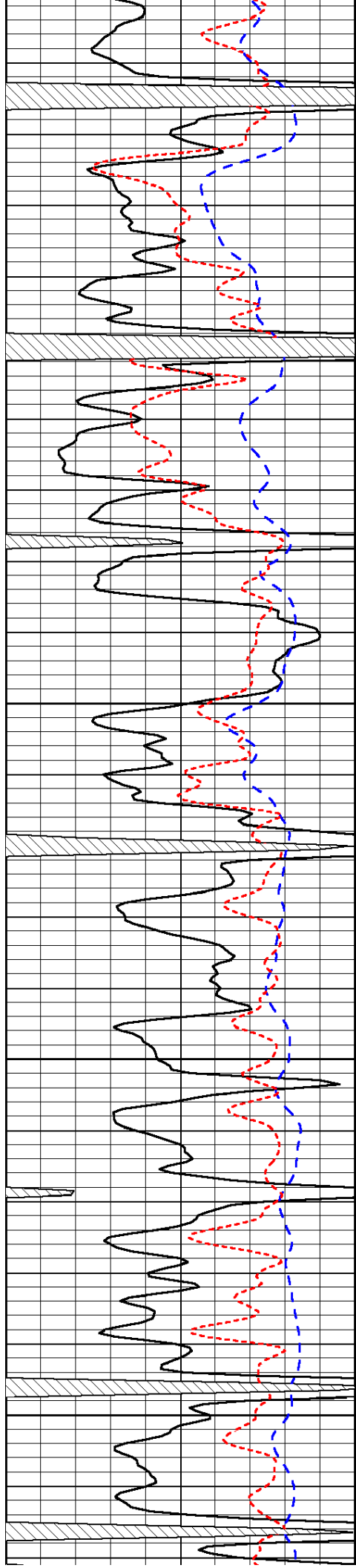
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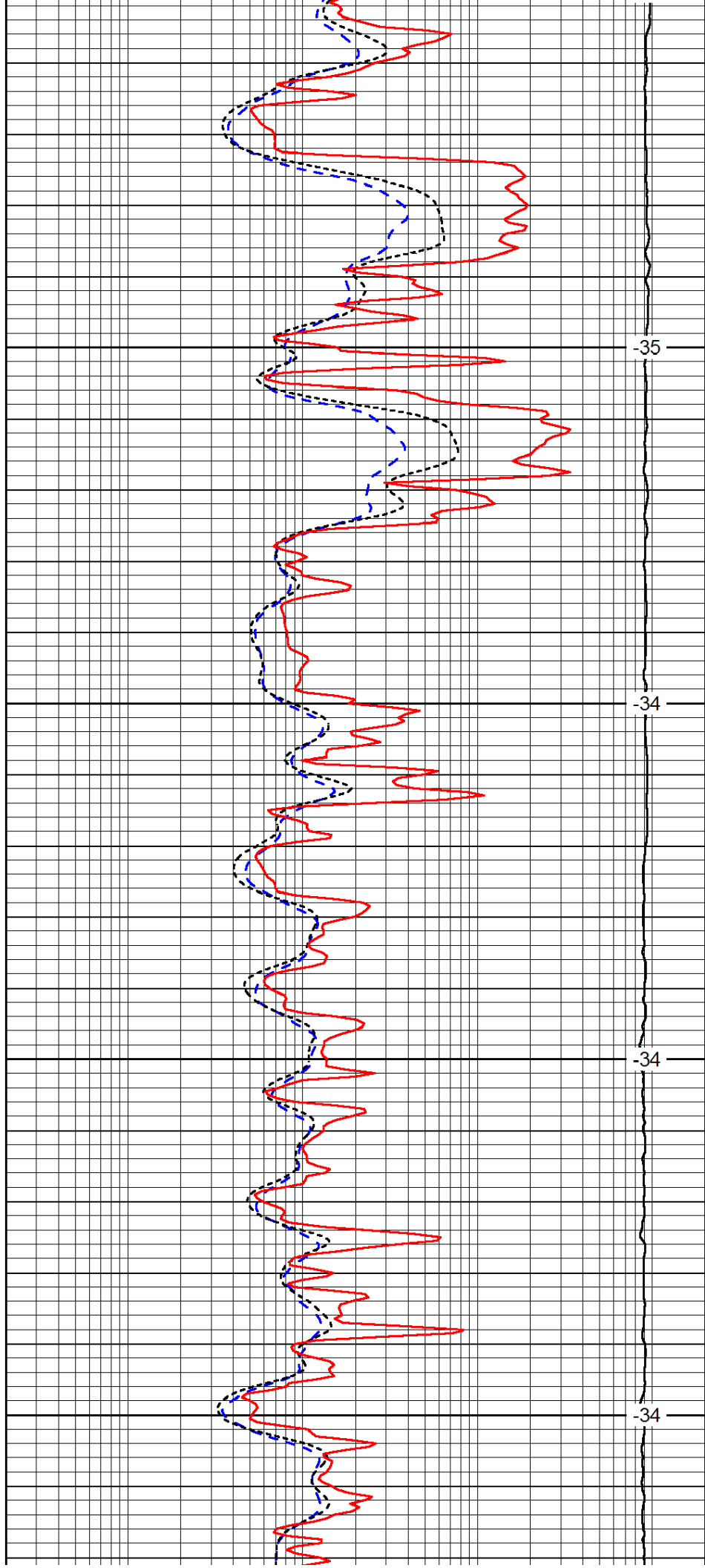


2050

2100

2150

2200

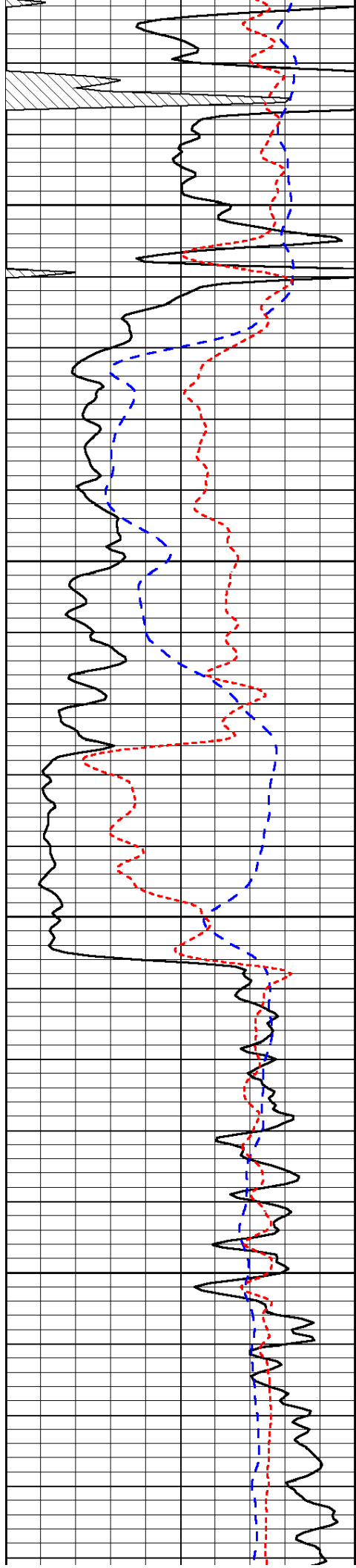


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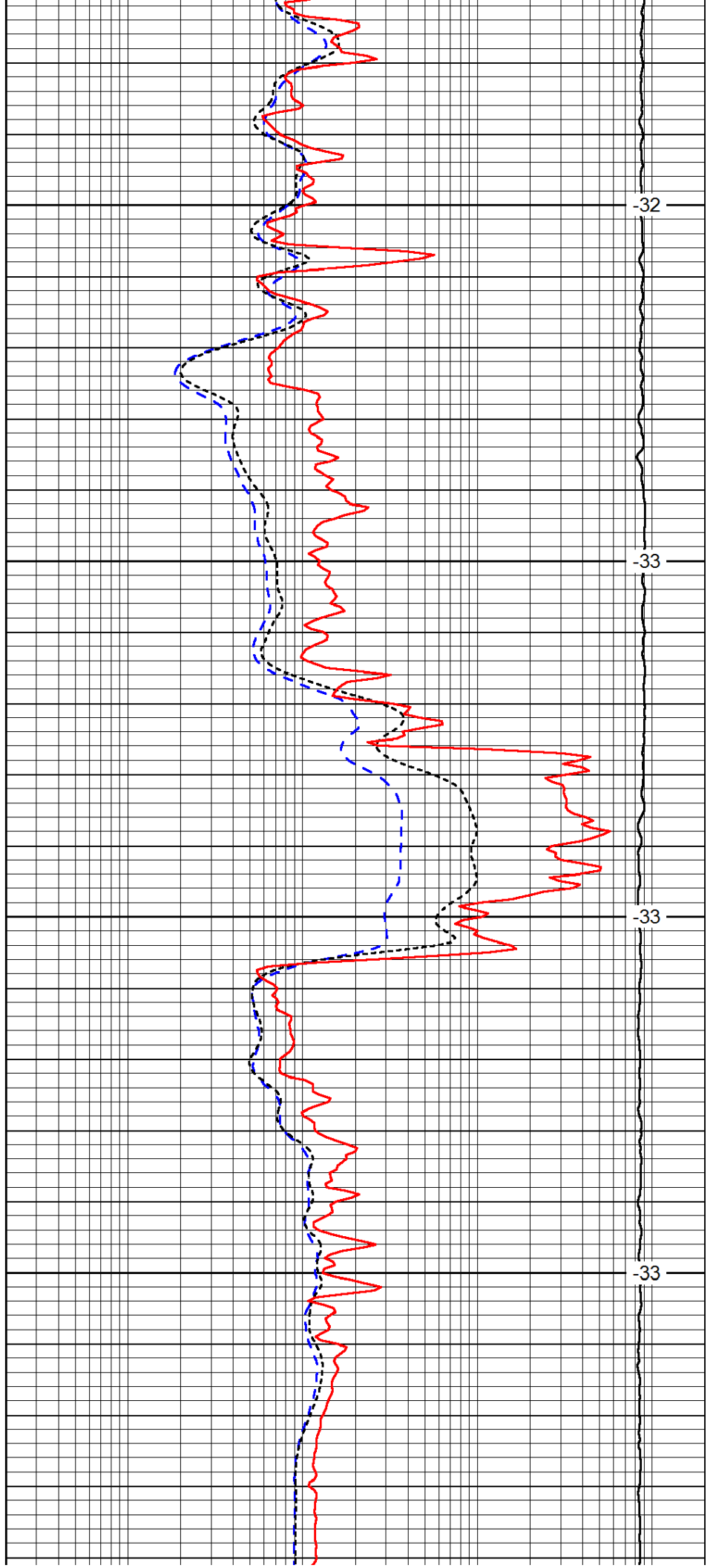


2250

2300

2350

2400

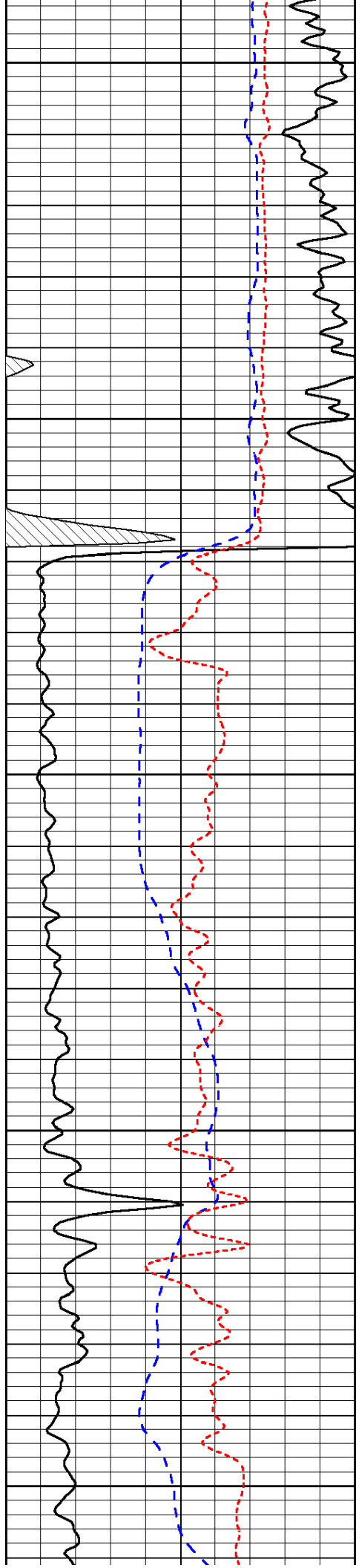


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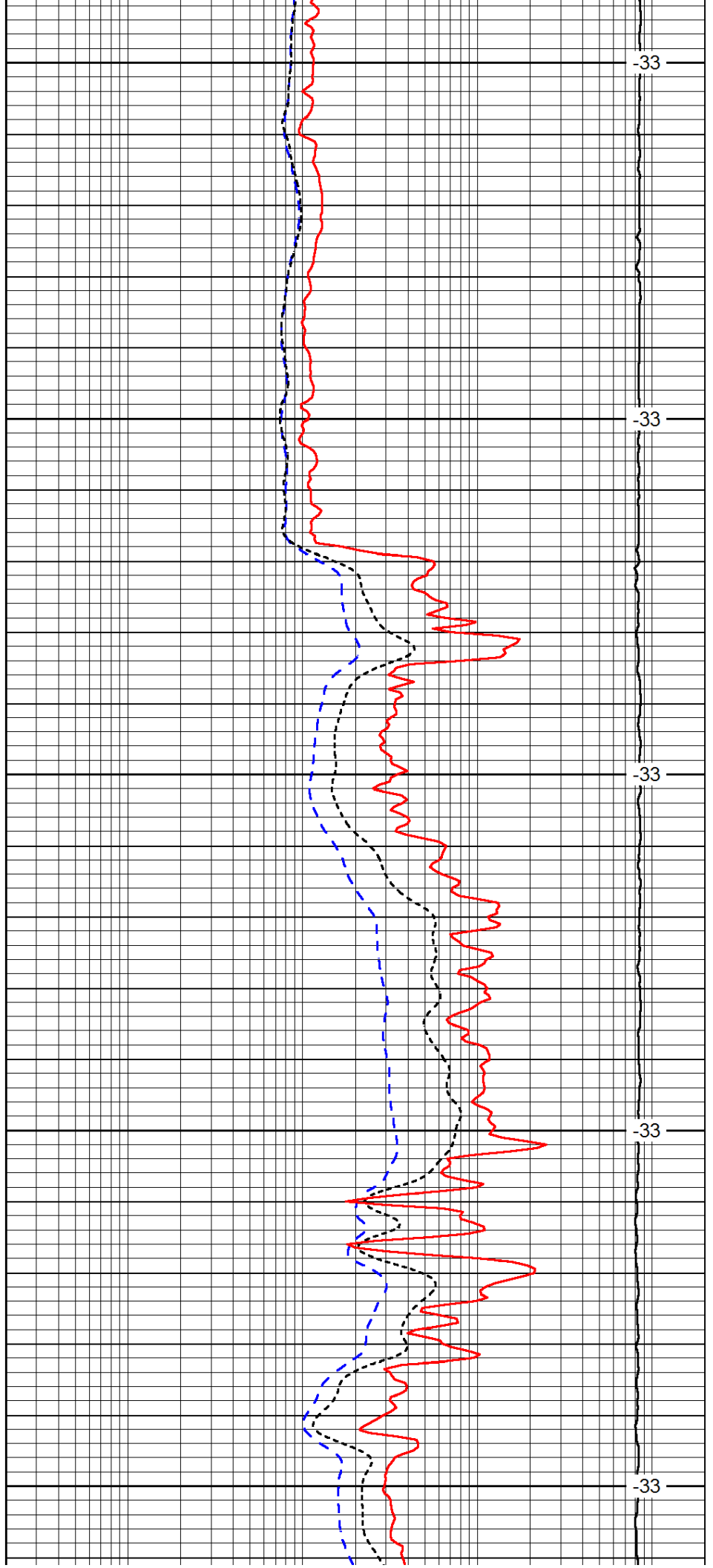
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2500

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2600

2650



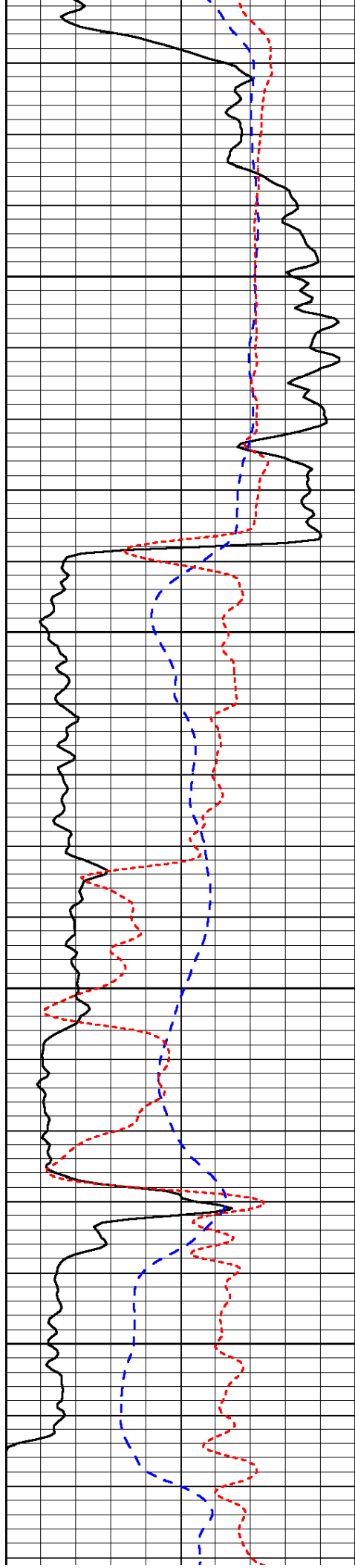
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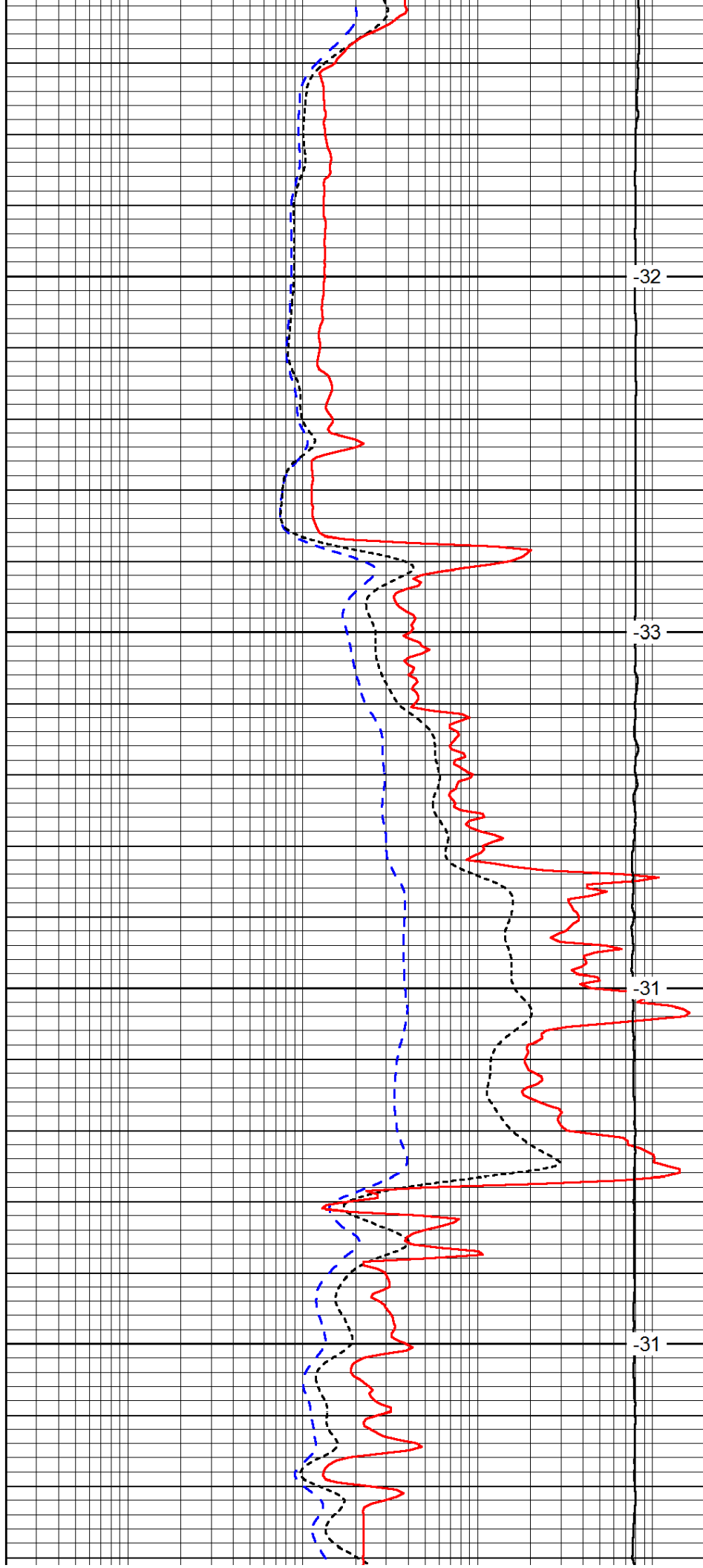


2700

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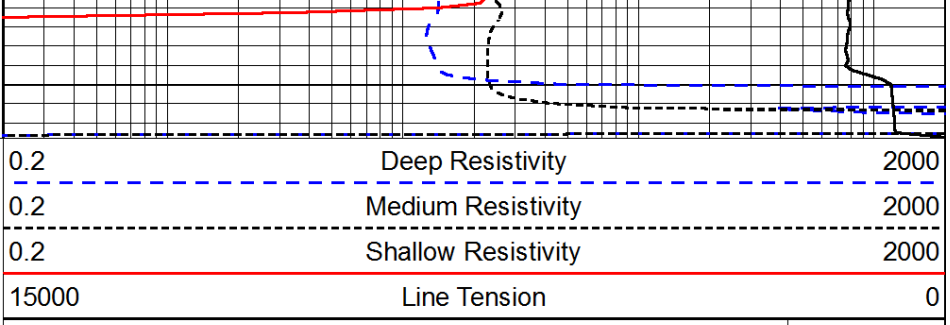
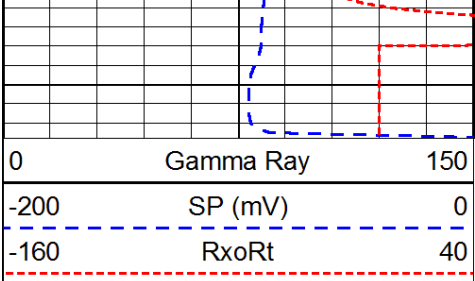


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LSPD