



# Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-015-23,854-00-00	
Company	Range Oil Company, Inc.	
Well	Seglem No. 1	
Field	Reynolds-Schaffer	
County	Butler	State
Location	2240' FNL & 1050' FWL	
	Sec: 16	Twp: 27S Rge: 6E
Permanent Datum	Ground Level	Elevation 1390
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL
		Elevation K.B. 1400 D.F. 1390 G.L. 1390

Date	04/29/2010	
Run Number	One	
Depth Driller	3129	
Depth Logger	3130	
Bottom Logged Interval	3129	
Top Log Interval	200	
Casing Driller	8.625 @ 237	
Casing Logger	238	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	1.100	
Density / Viscosity	9.4	50
pH / Fluid Loss	10.0	8.8
Source of Sample	Flowline	
Rm @ Meas. Temp	1.3 @ 68	
Rmf @ Meas. Temp	.98 @ 68	
Rmc @ Meas. Temp	1.76 @ 68	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.81 @ 109	
Operating Rig Time	2 Hours	
Max Rec. Temp. F	109	
Equipment Number	17	
Location	Hays	
Recorded By	Mike Garrison	
Witnessed By	John Washburn	

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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

Leon, 1/2 North, East Into

Database File: c:\warrior\backup of data\range\_seglem no. 1\rangehd.db  
 Dataset Pathname: dil/rangestck  
 Presentation Format: dil2in  
 Dataset Creation: Thu Apr 29 10:06:57 2010  
 Charted by: Depth in Feet scaled 1:600

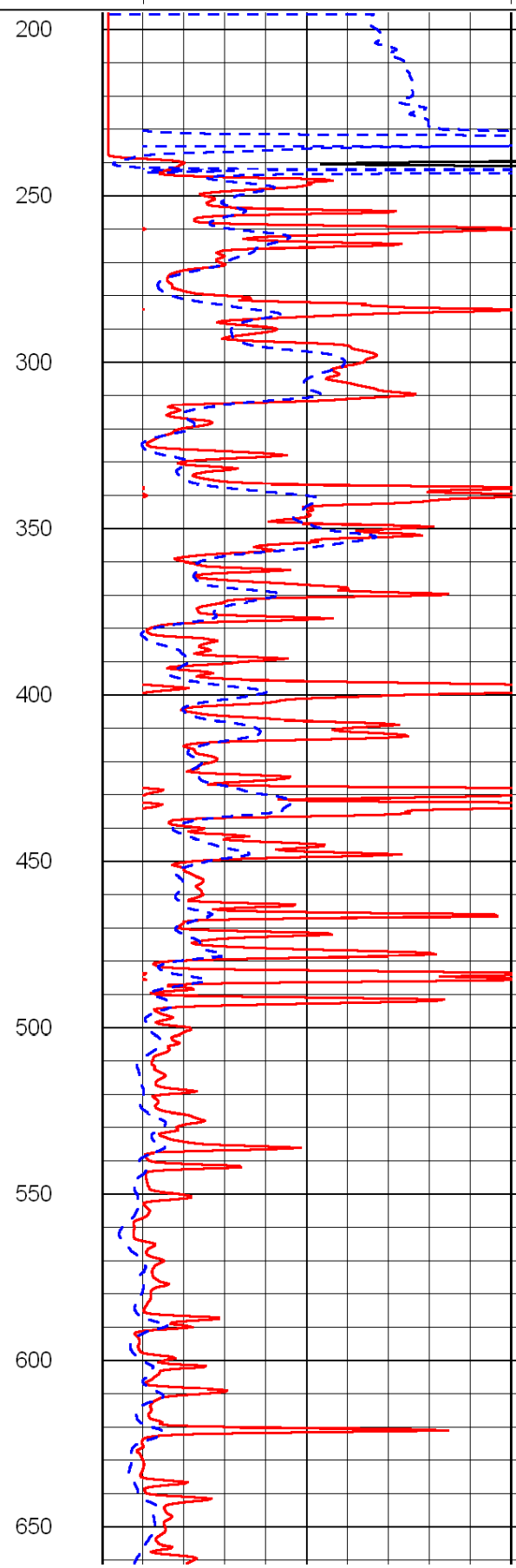
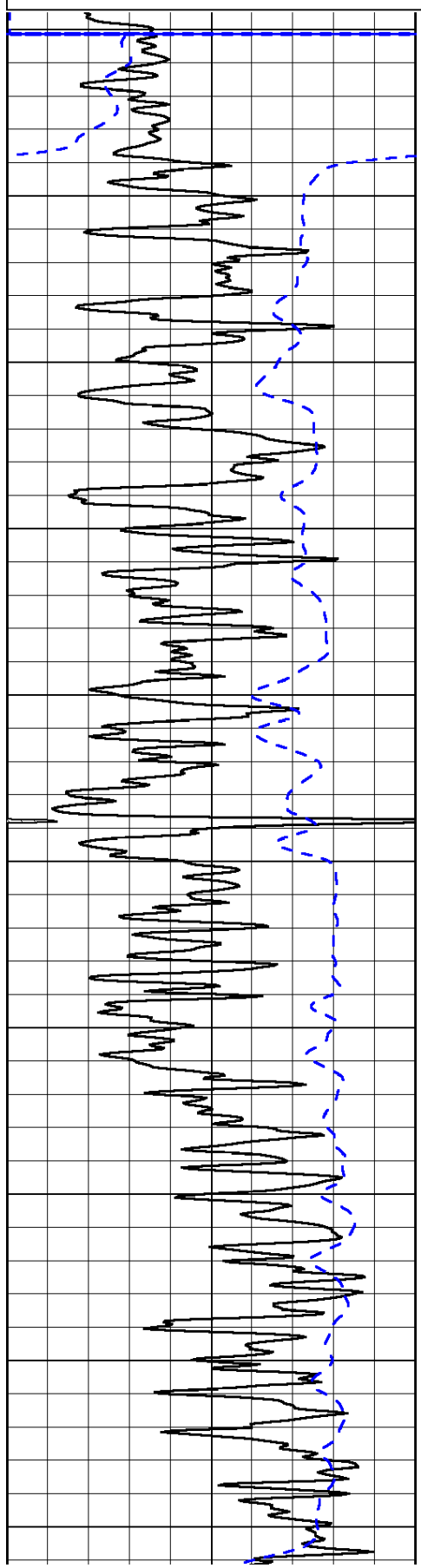
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-200	SP (mV)	0

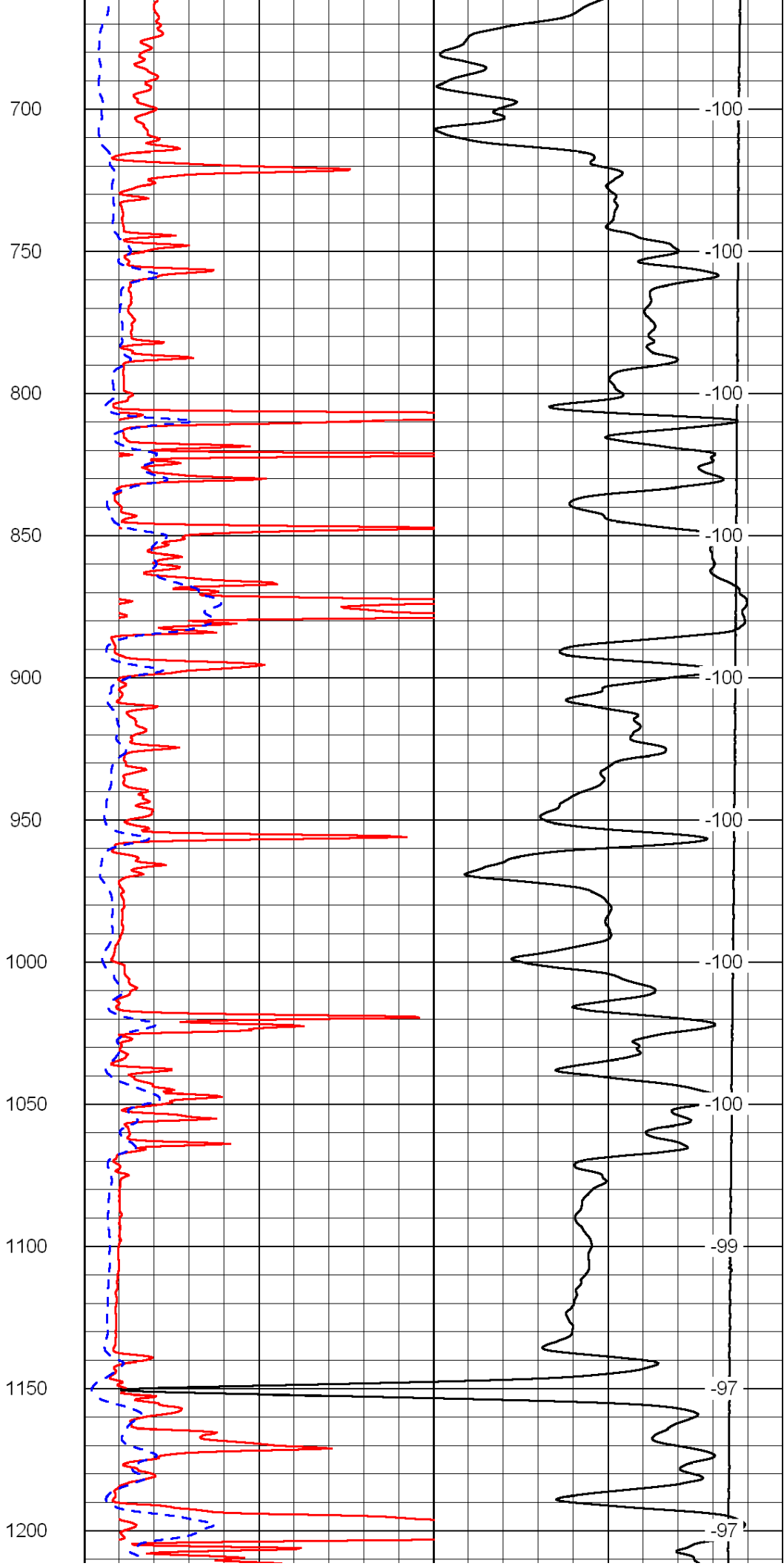
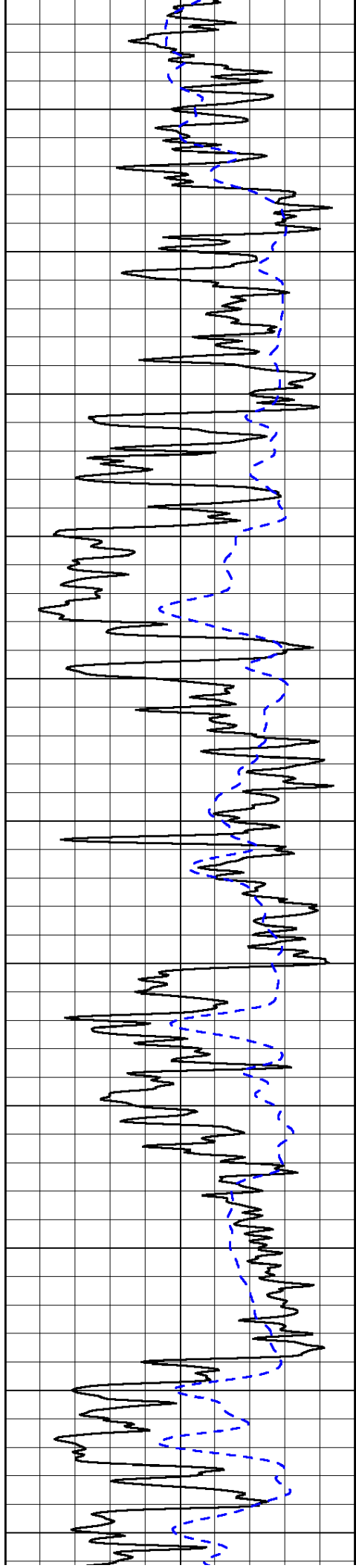
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0	Deep Resistivity	50

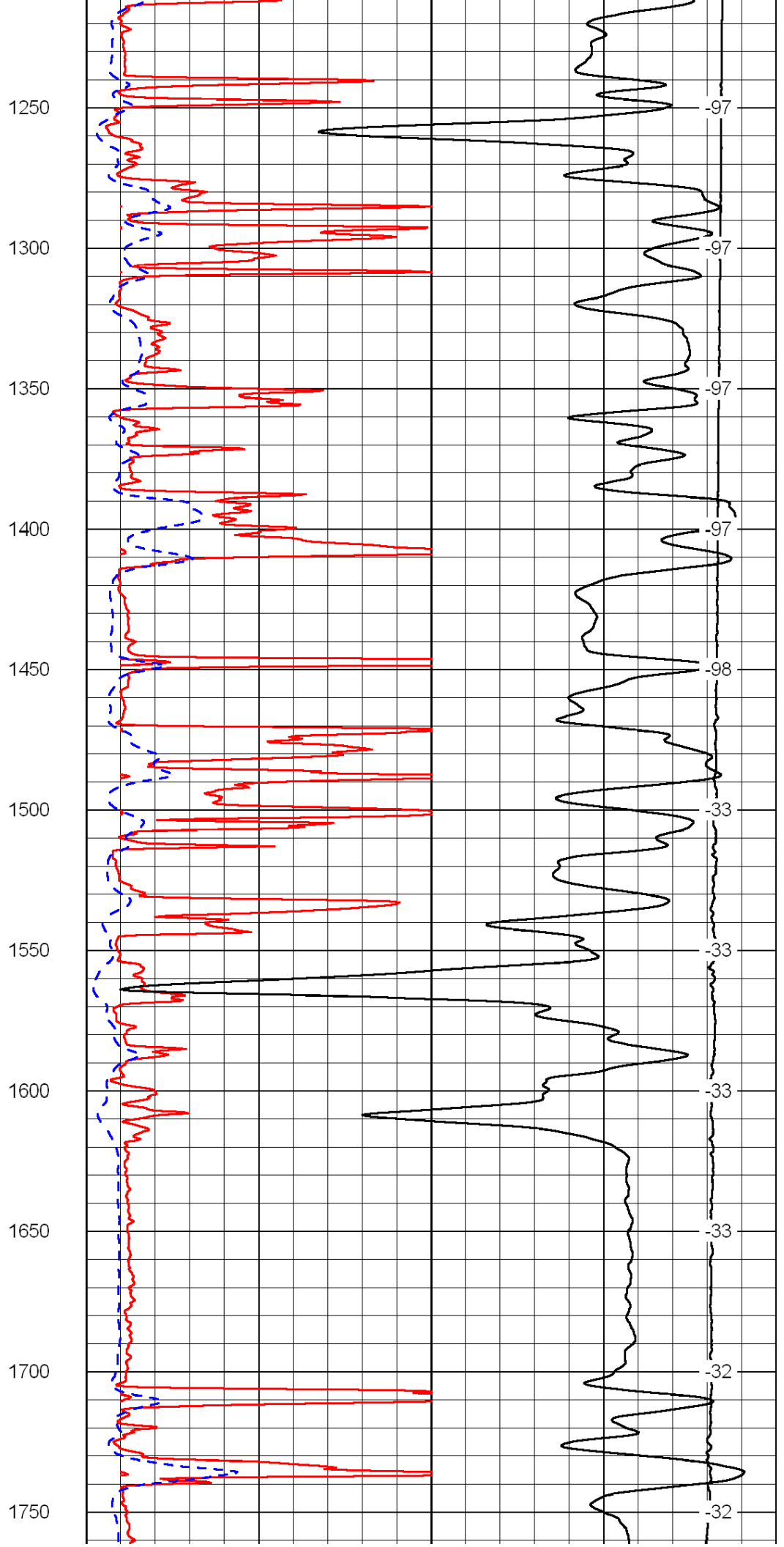
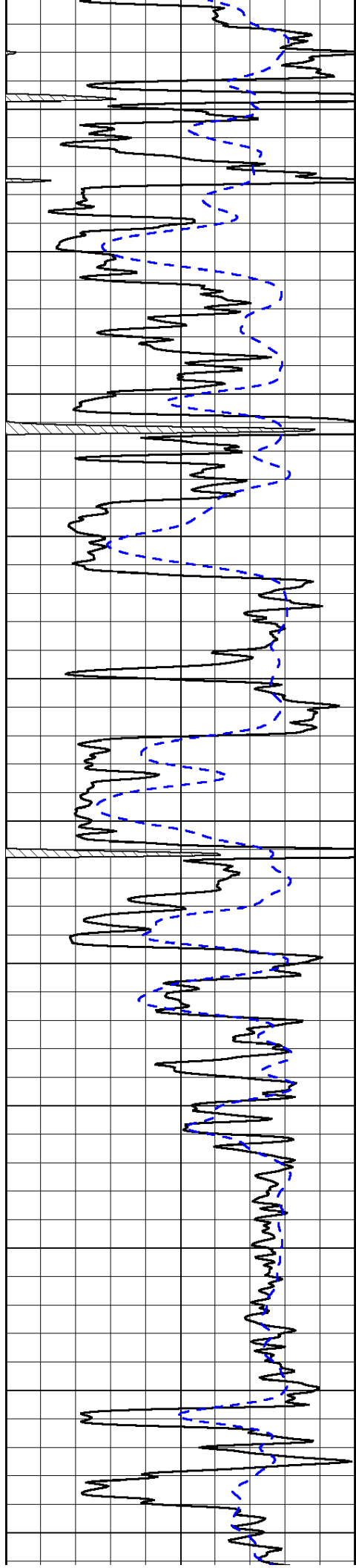
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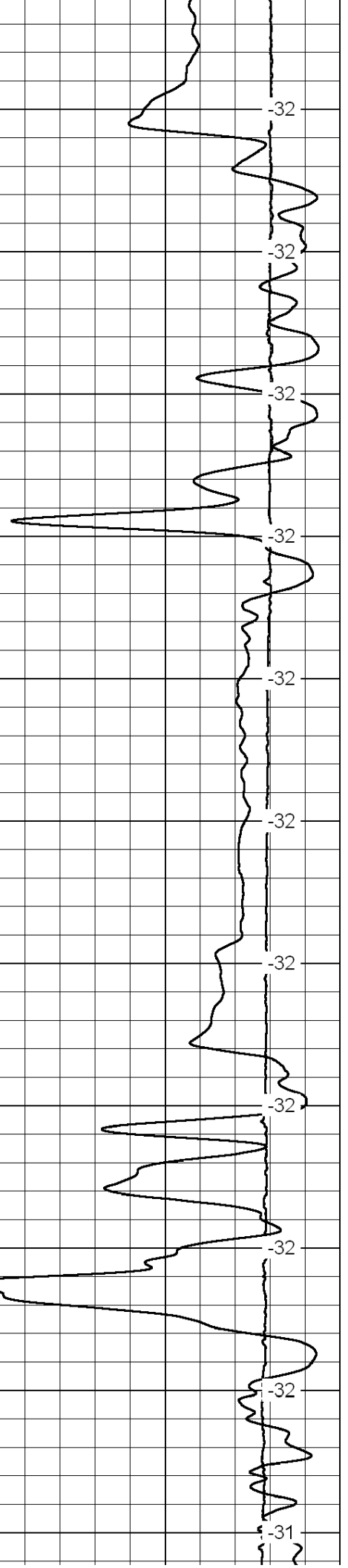
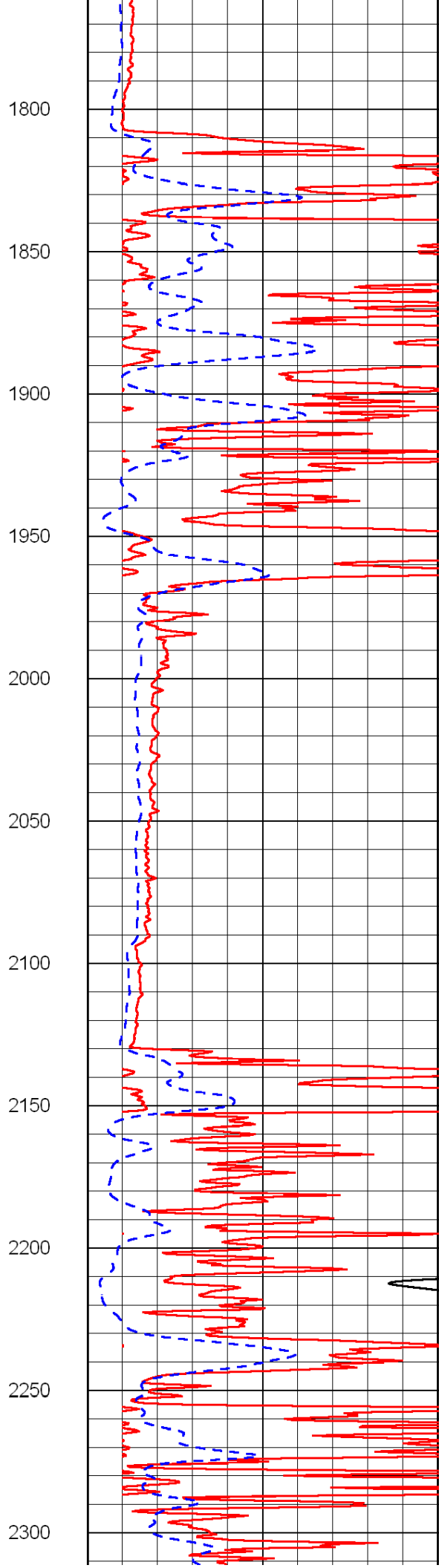
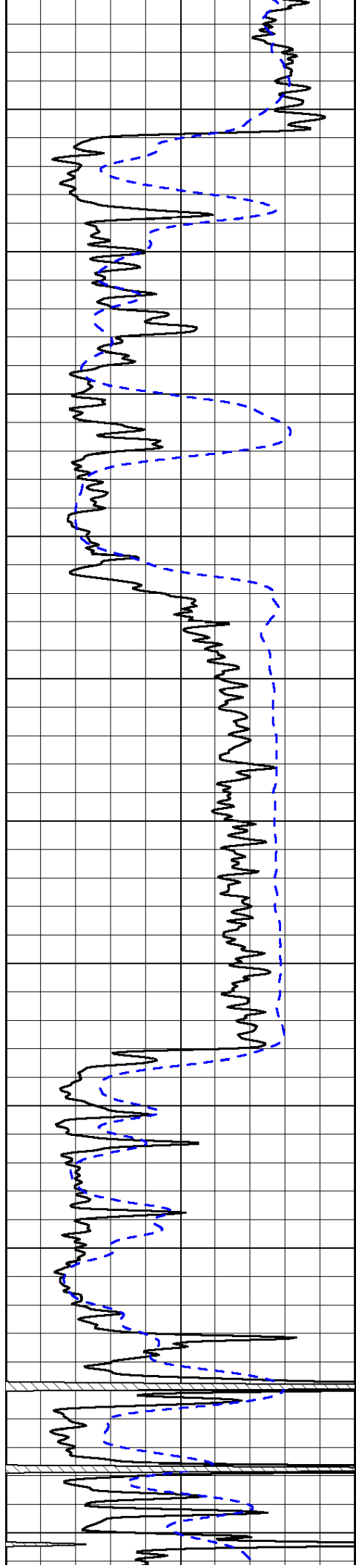
1000	Conductivity	0
15000	Line Tension	0

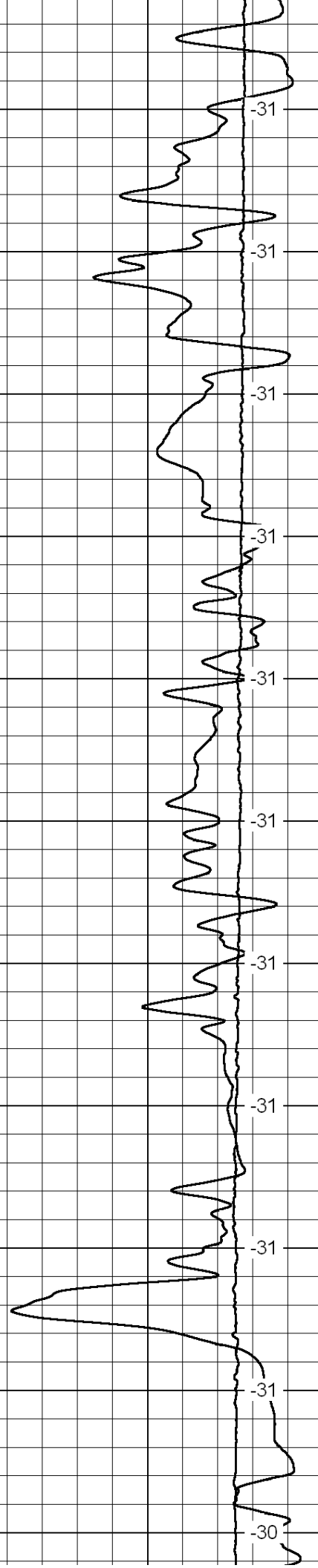
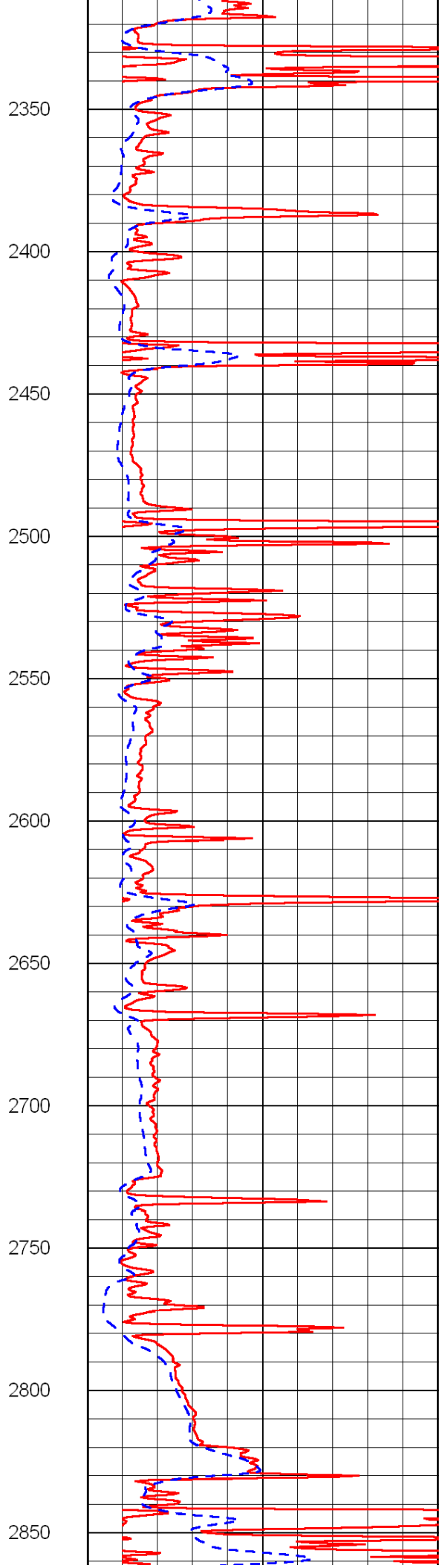
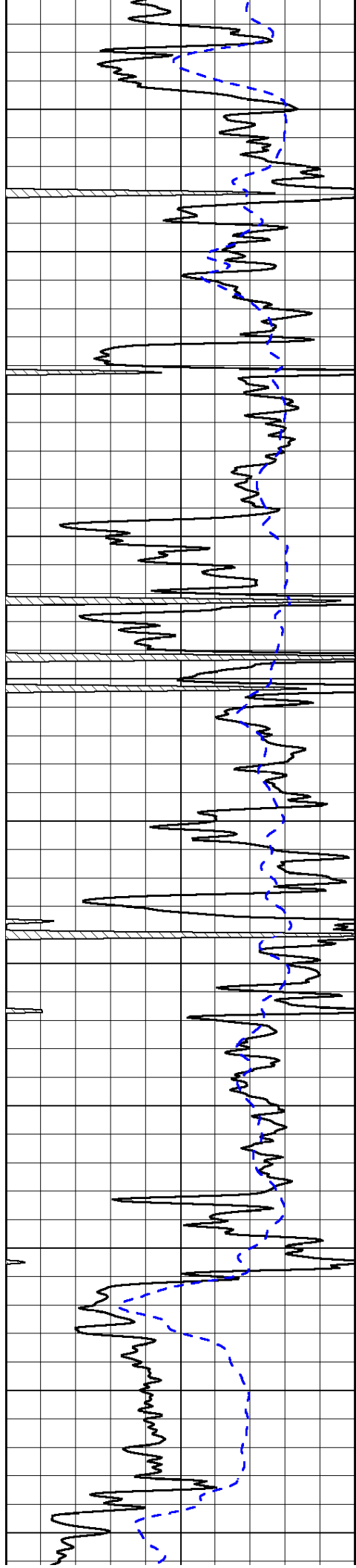
50	Shallow Resistivity	500
50	Deep Resistivity	500

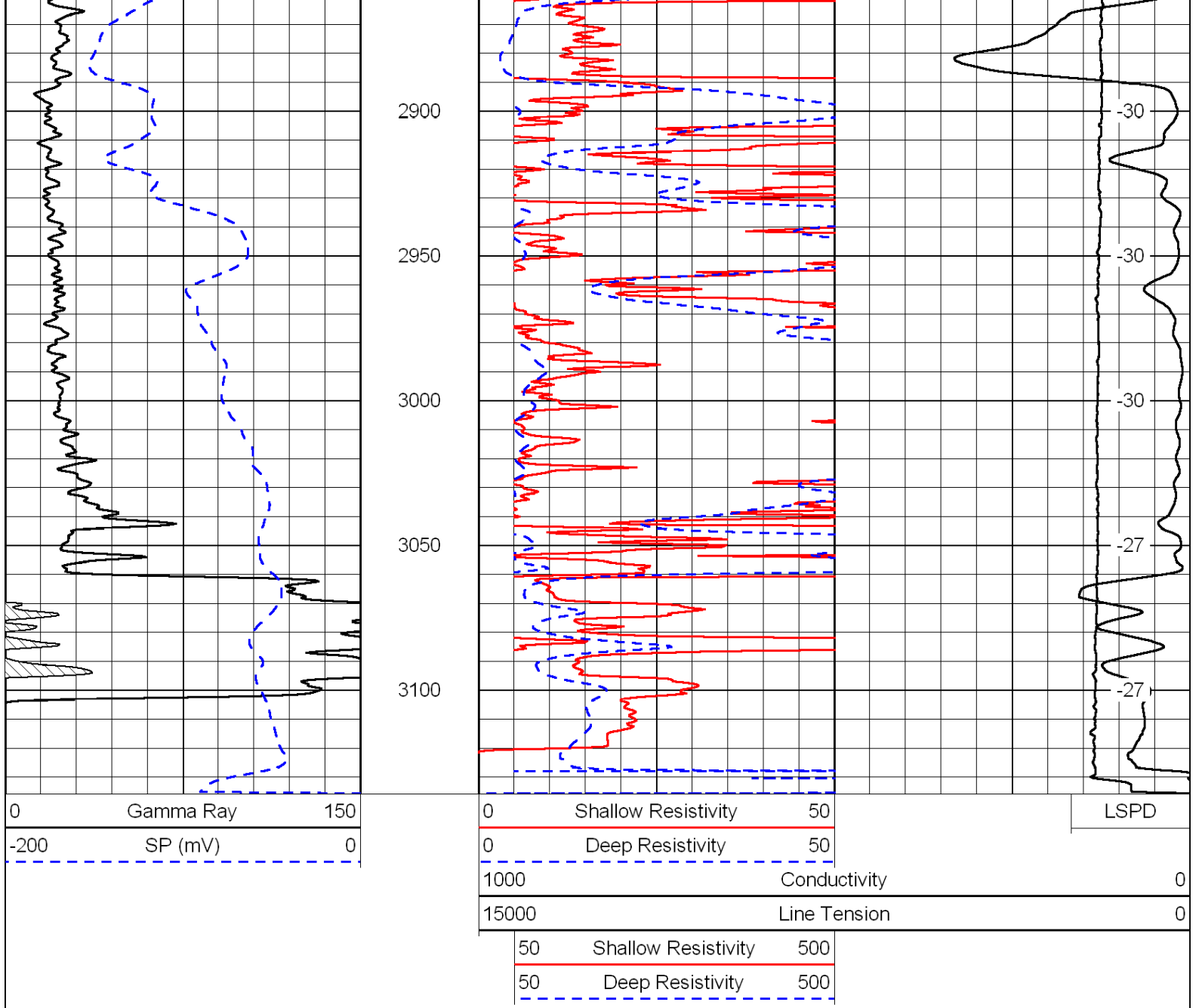




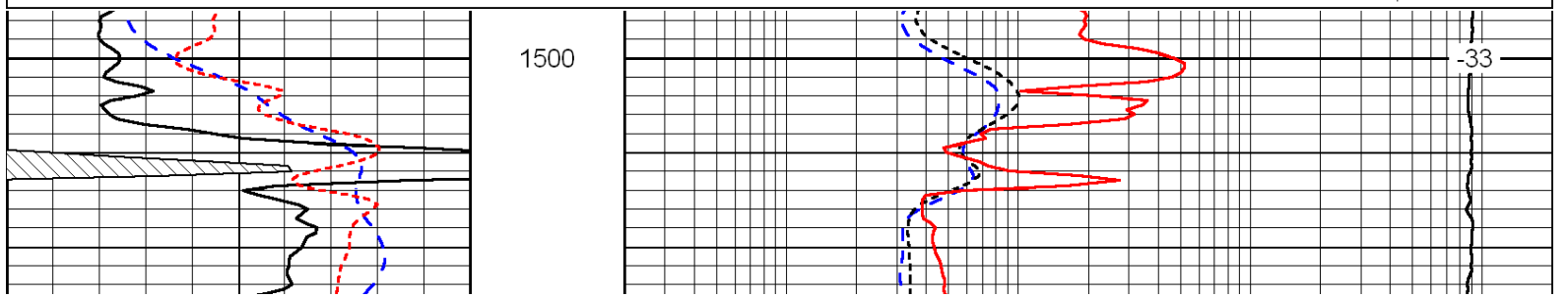
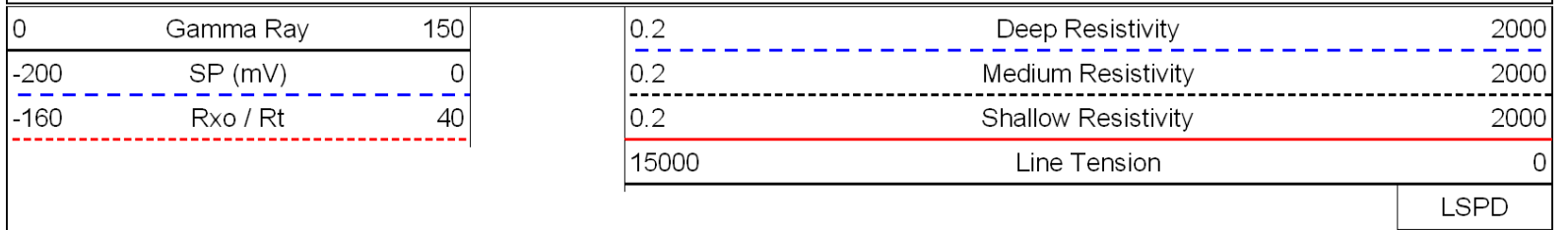


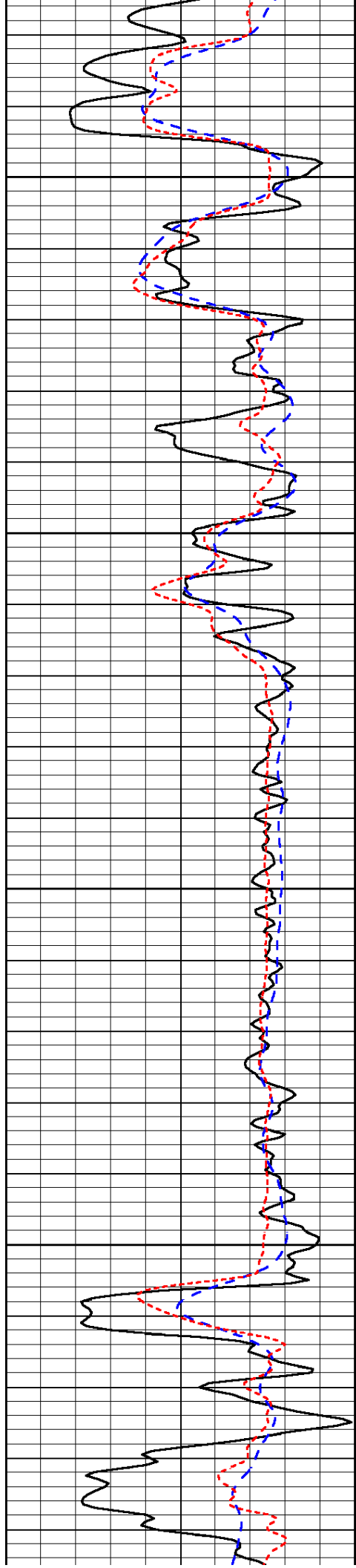






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 Presentation Format: dil  
 Dataset Creation: Thu Apr 29 10:06:57 2010  
 Charted by: Depth in Feet scaled 1:240



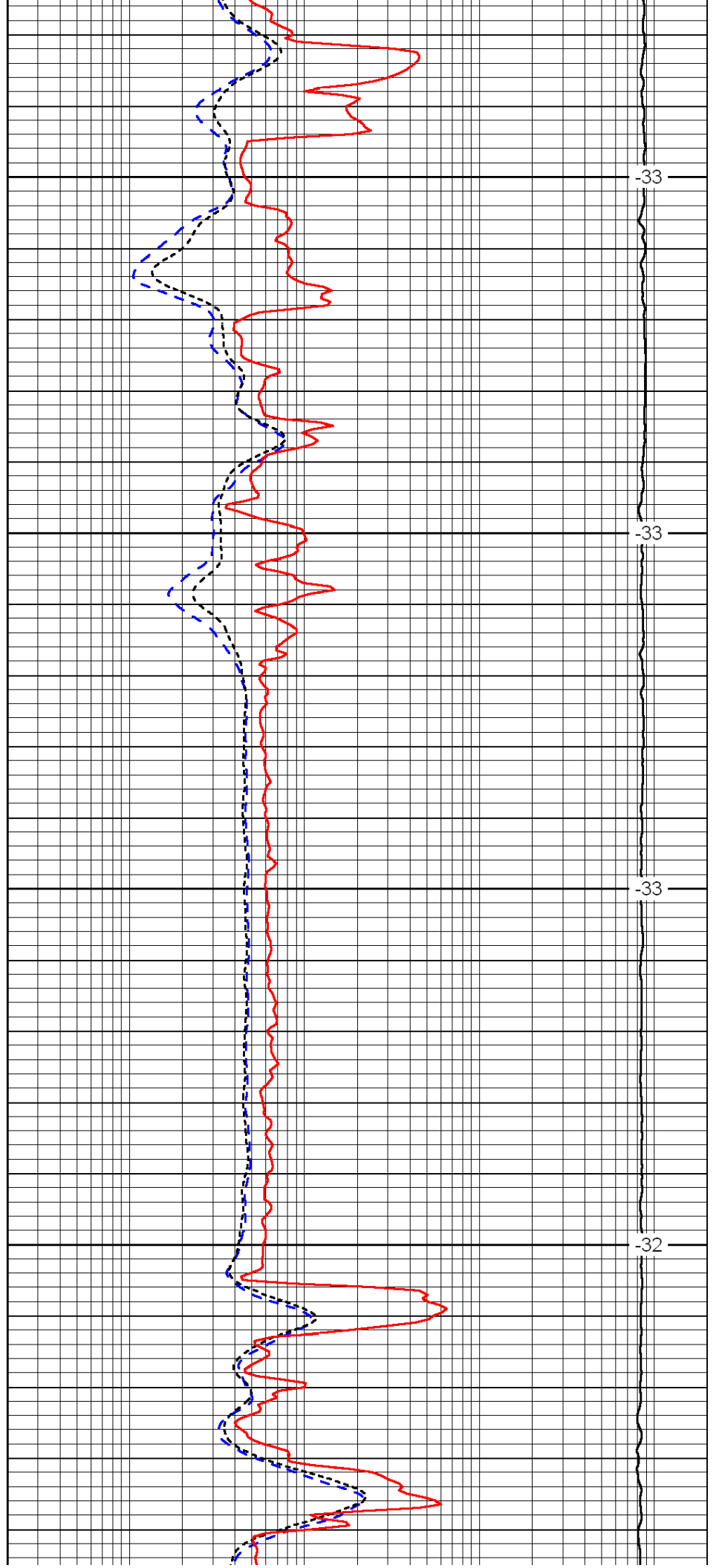


1550

1600

1650

1700

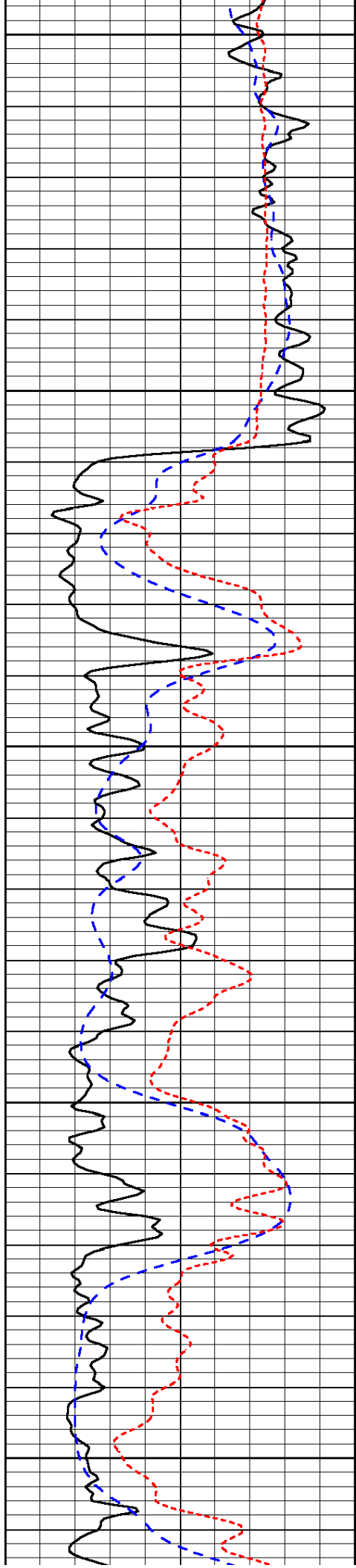


-33

-33

-33

-32



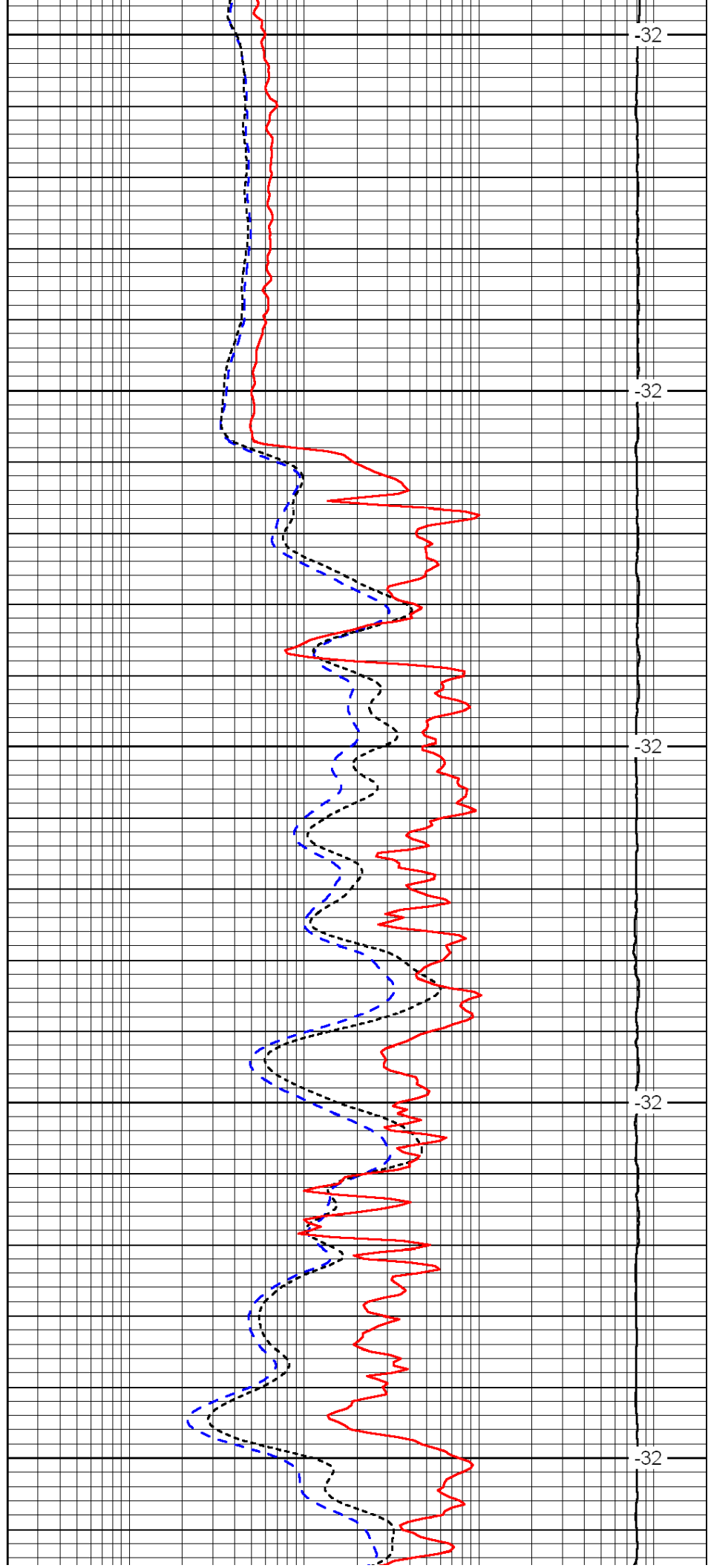
1750

1800

1850

1900

1950



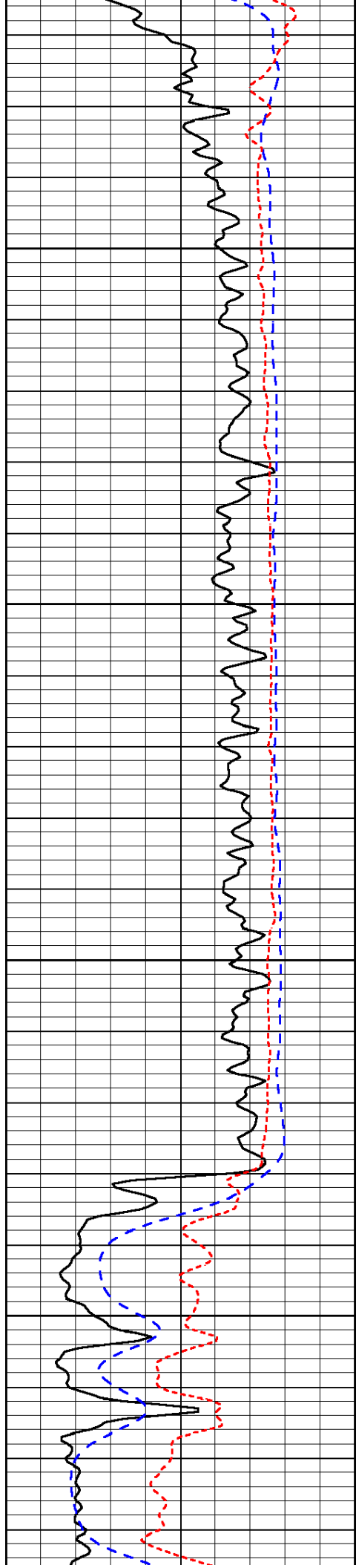
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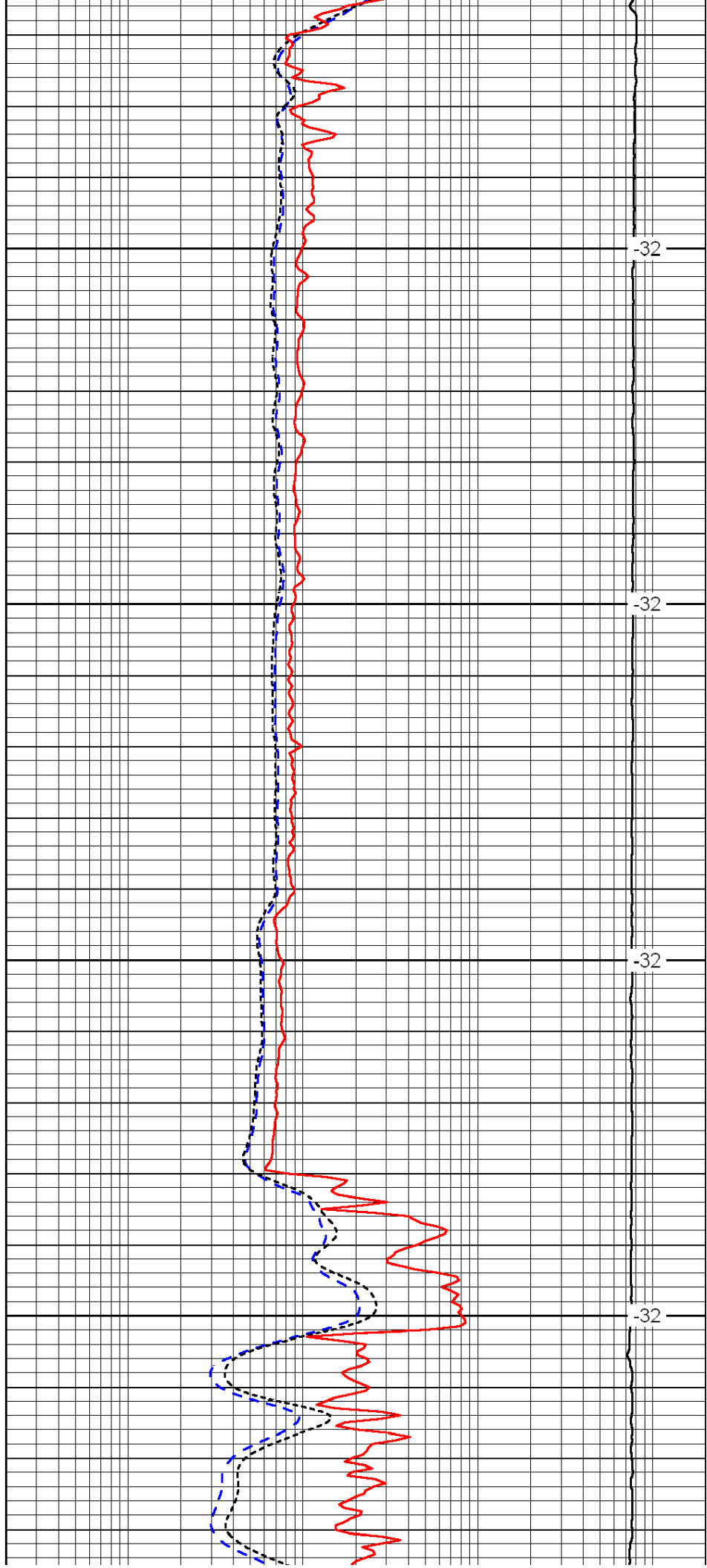


2000

2050

2100

2150

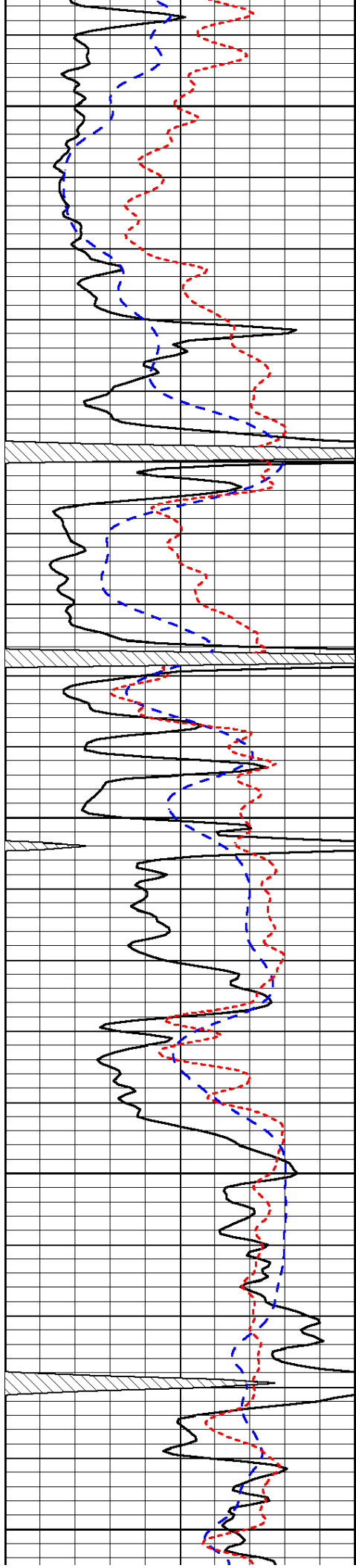


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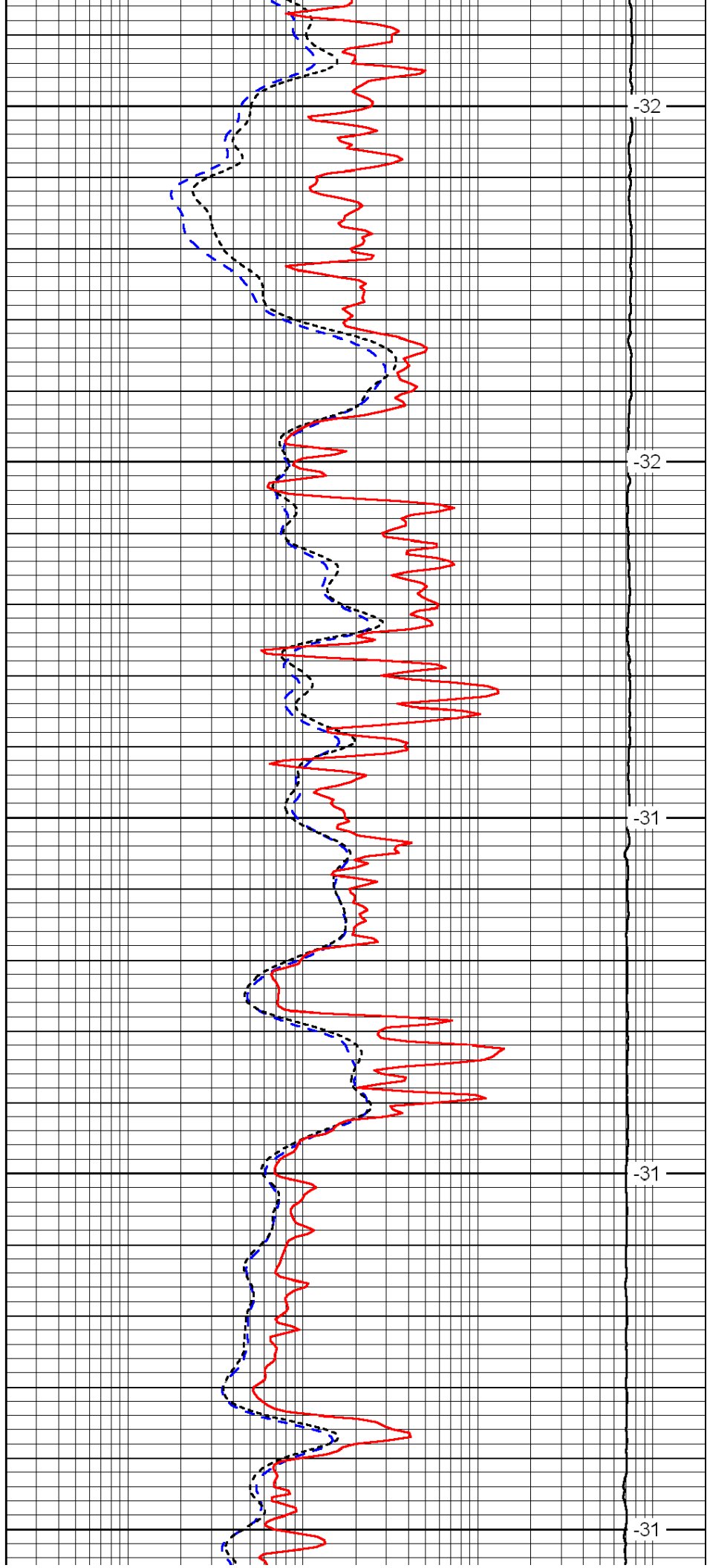
2200

2250

2300

2350

2400



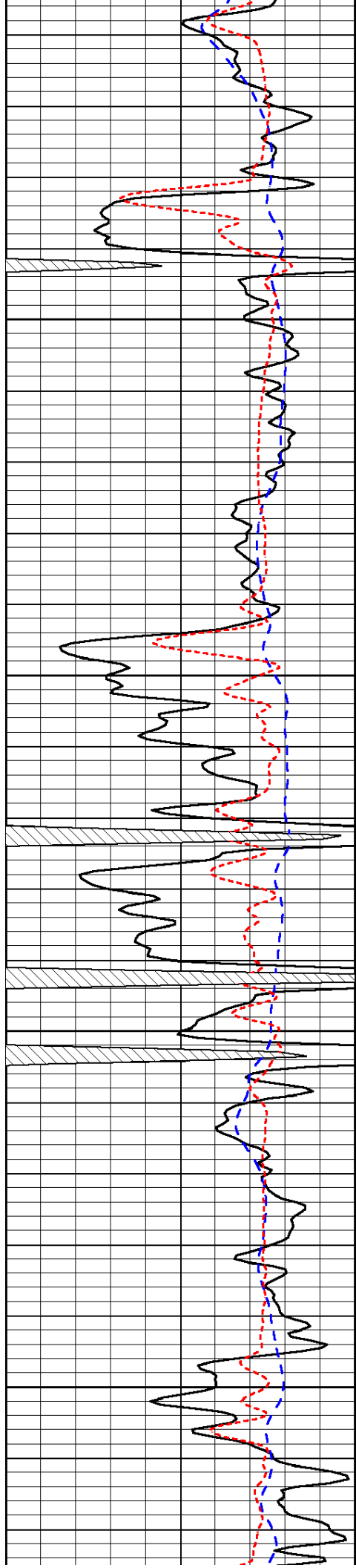
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-32

-31

-31

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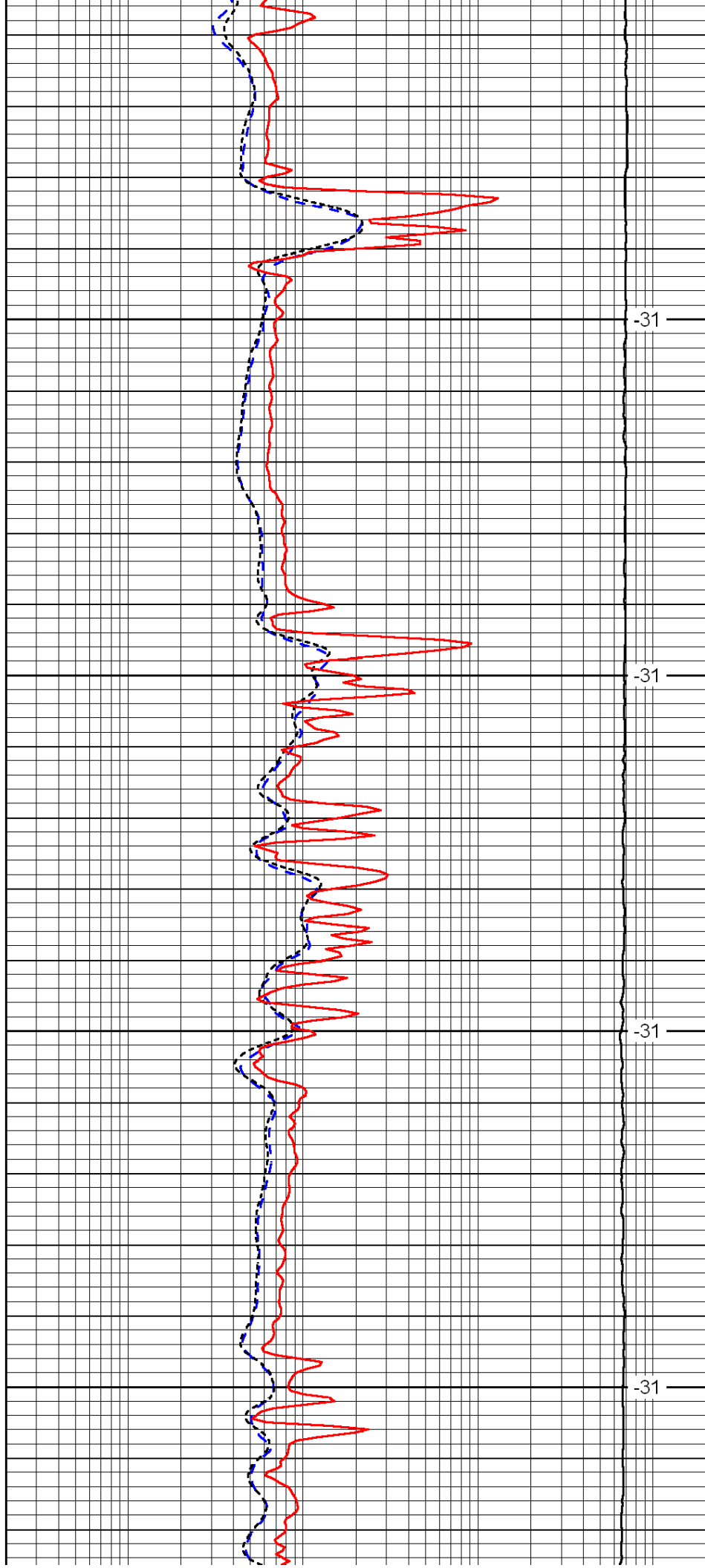


2450

2500

2550

2600

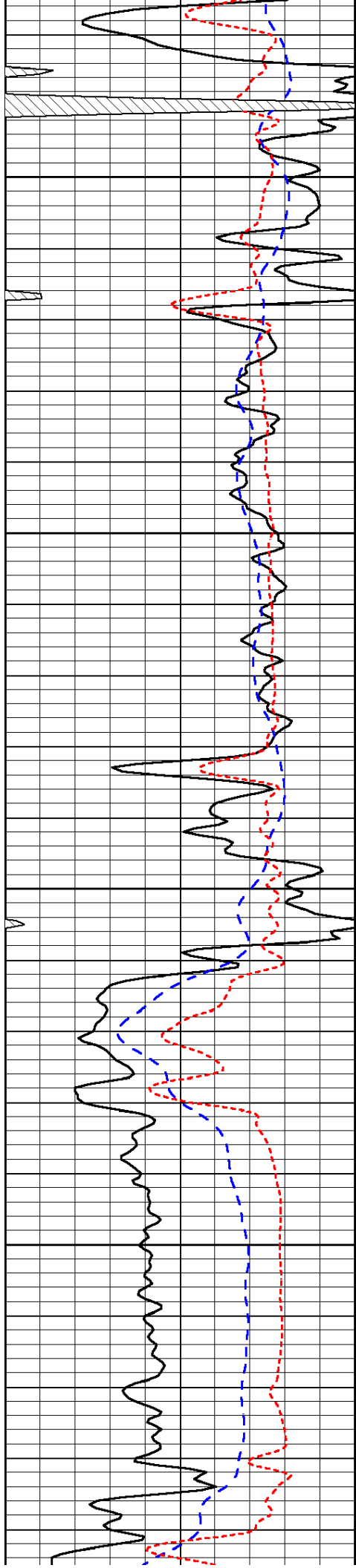


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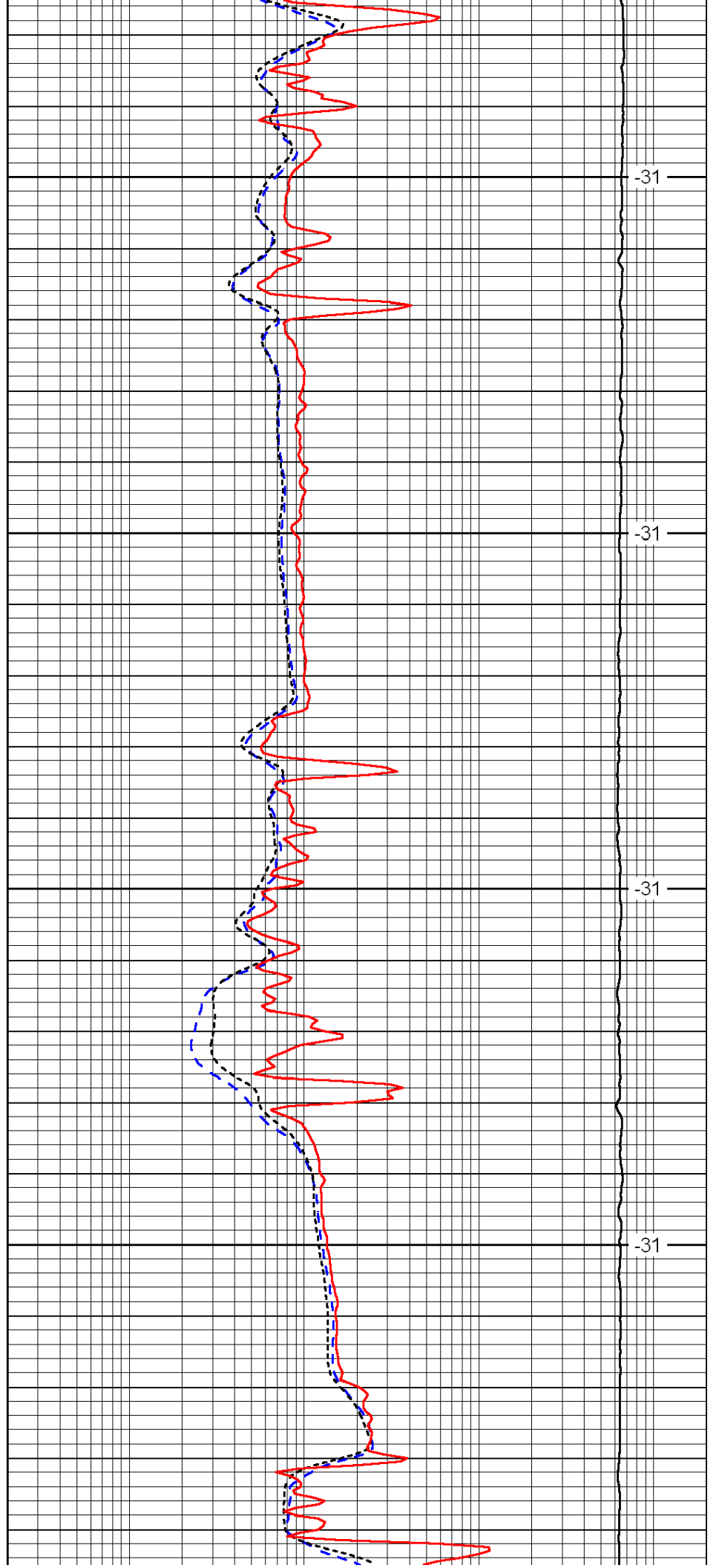


2650

2700

2750

2800

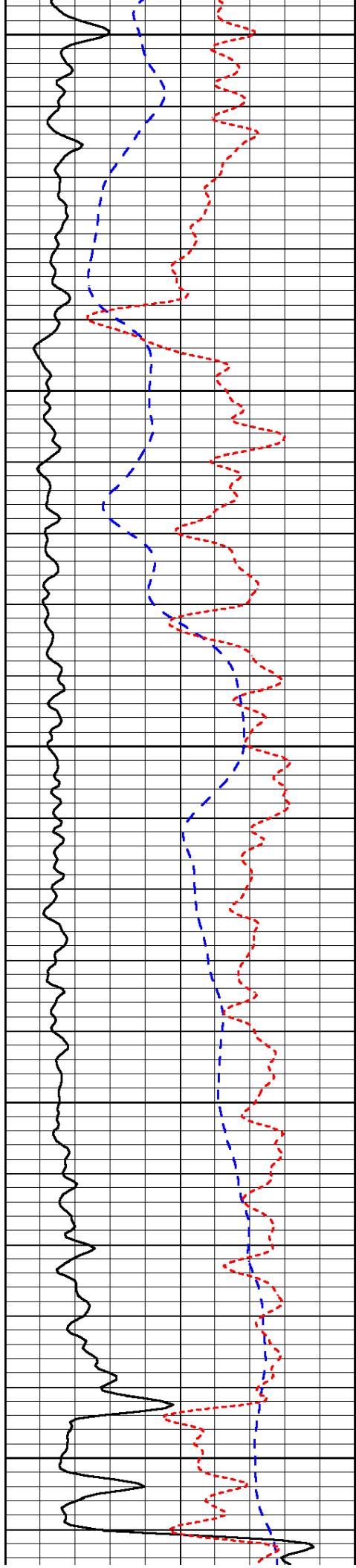


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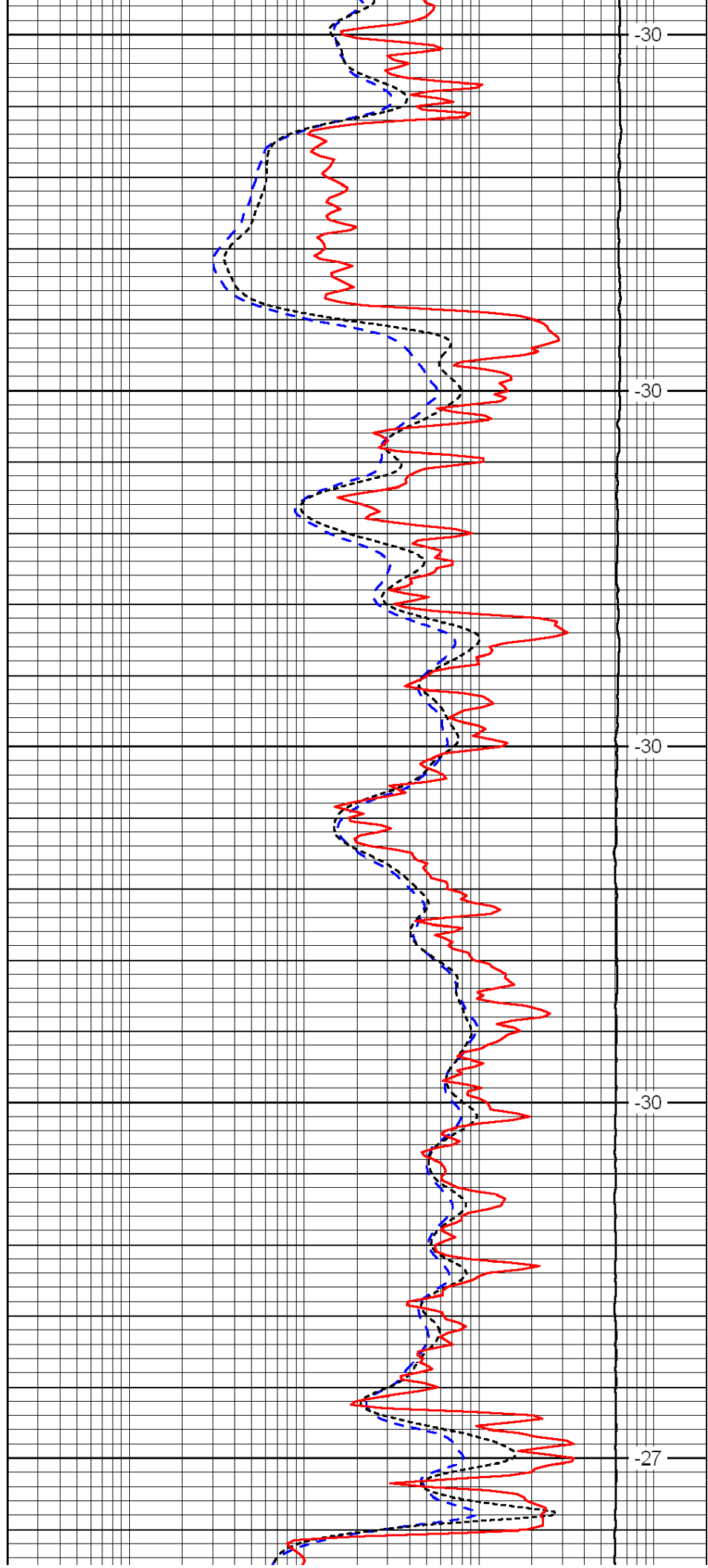
2850

2900

2950

3000

3050



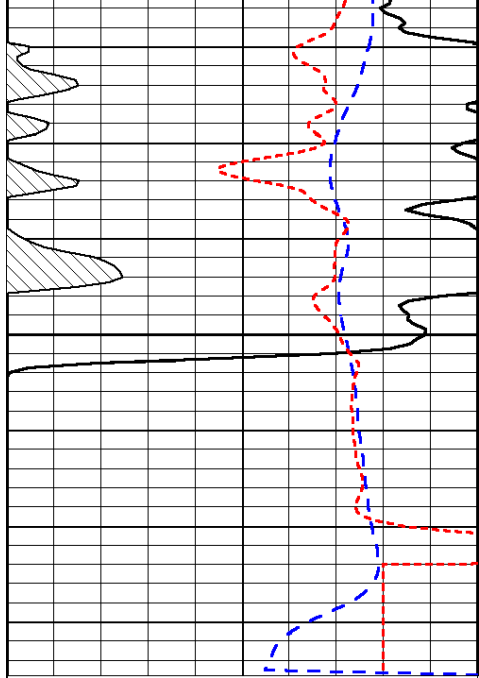
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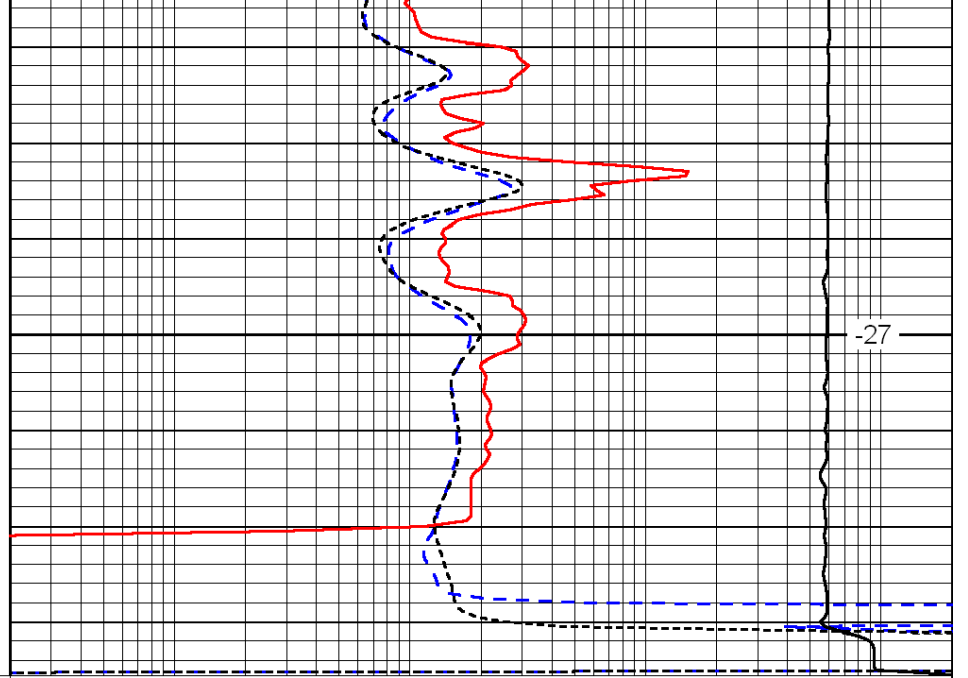
-30

-27



0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

3100



-27

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

LSPD