



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	Company Bruce Oil Company, L.L.C.			
	Well Spears No. 2			
	Field Kill Creek			
	County	Osborne	State	Kansas
	Location	330' FSL & 2310' FEL		
	Sec: 15	Twp: 8S	Rge: 14W	Other Services CNL/CDL MEL
Permanent Datum	Ground Level	Elevation 1904		Elevation
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum		K.B. 1909
Drilling Measured From	Kelly Bushing			D.F. 1904
Date	12/09/10			
Run Number	One			
Depth Driller	3190			
Depth Logger	3191			
Bottom Logged Interval	3190			
Top Log Interval	750			
Casing Driller	8.625 @ 780			
Casing Logger	780			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1500			
Density / Viscosity	8.8 58			
pH / Fluid Loss	9.5 8.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.1 @ 68			
Rmf @ Meas. Temp	.83 @ 68			
Rmc @ Meas. Temp	1.49 @ 68			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.68 @ 110			
Operating Rig Time	3 Hours			
Max Rec. Temp. F	110			
Equipment Number	17			
Location	Hays			
Recorded By	Mike Garrison			
Witnessed By	Bob Peterson			

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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

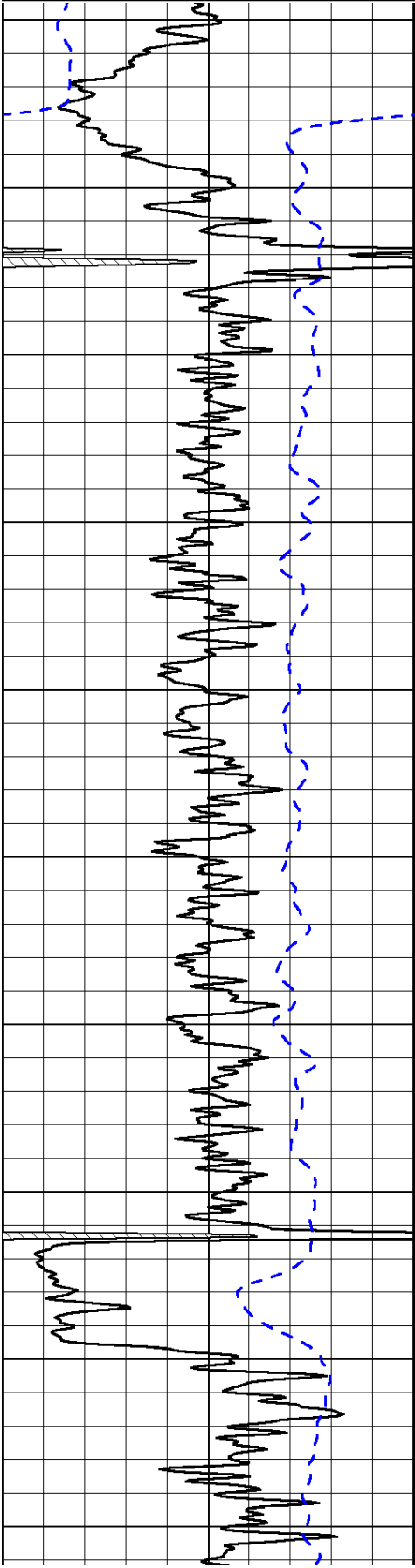
Thank you for using Log-Tech, Inc.
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Natoma, North on 290th to Stop Sign, East to 250th, North to T Intersection, East to 200th,
North to Dead End, Through Gate, North Into

Database File: c:\warrior\data\bruce oil_spears no. 2\bruce_spears-2hd.db
Dataset Pathname: dil\brucestock
Presentation Format: dil2in
Dataset Creation: Thu Dec 09 07:05:01 2010
Charted by: Depth in Feet scaled 1:600

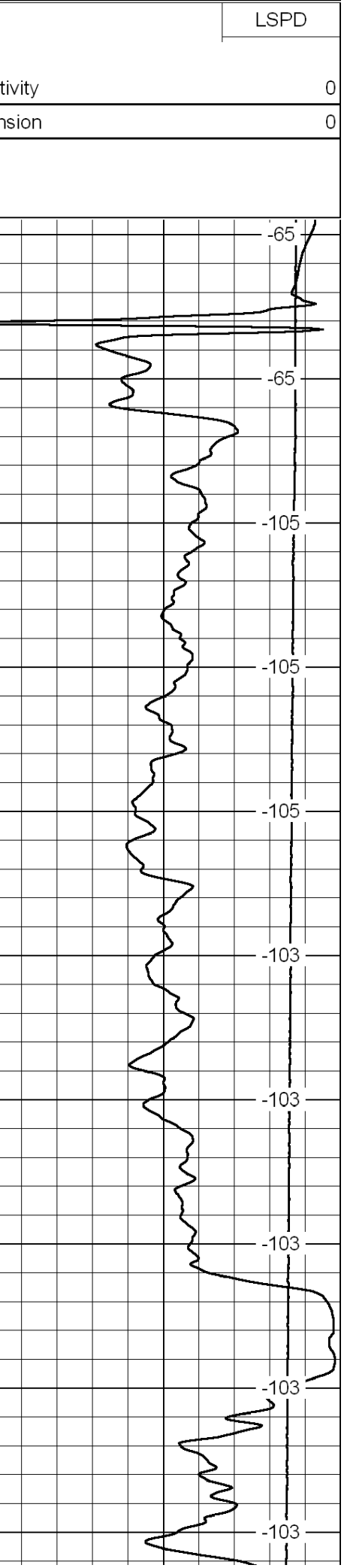
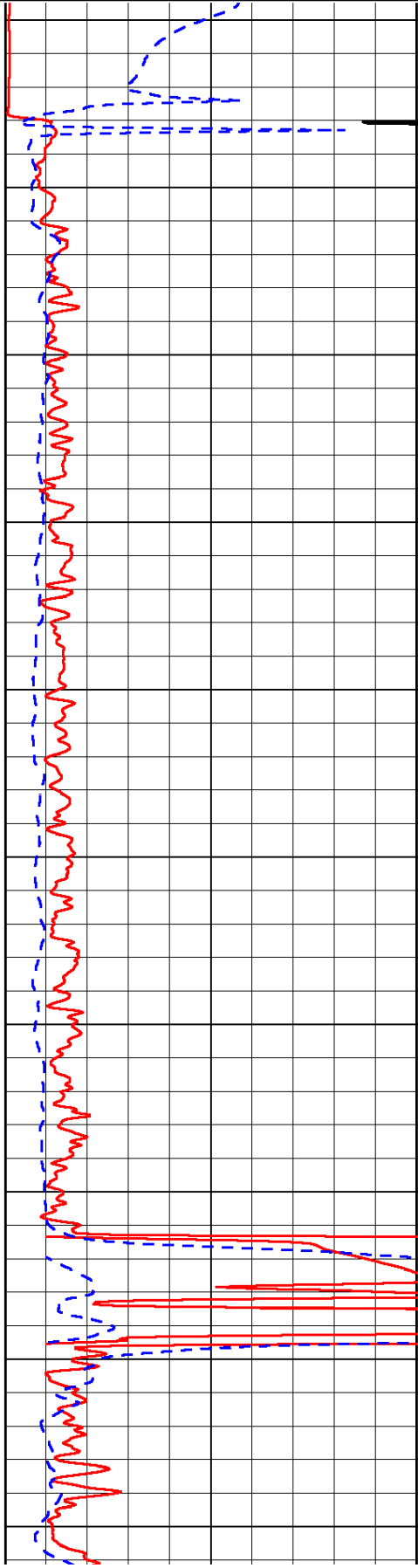
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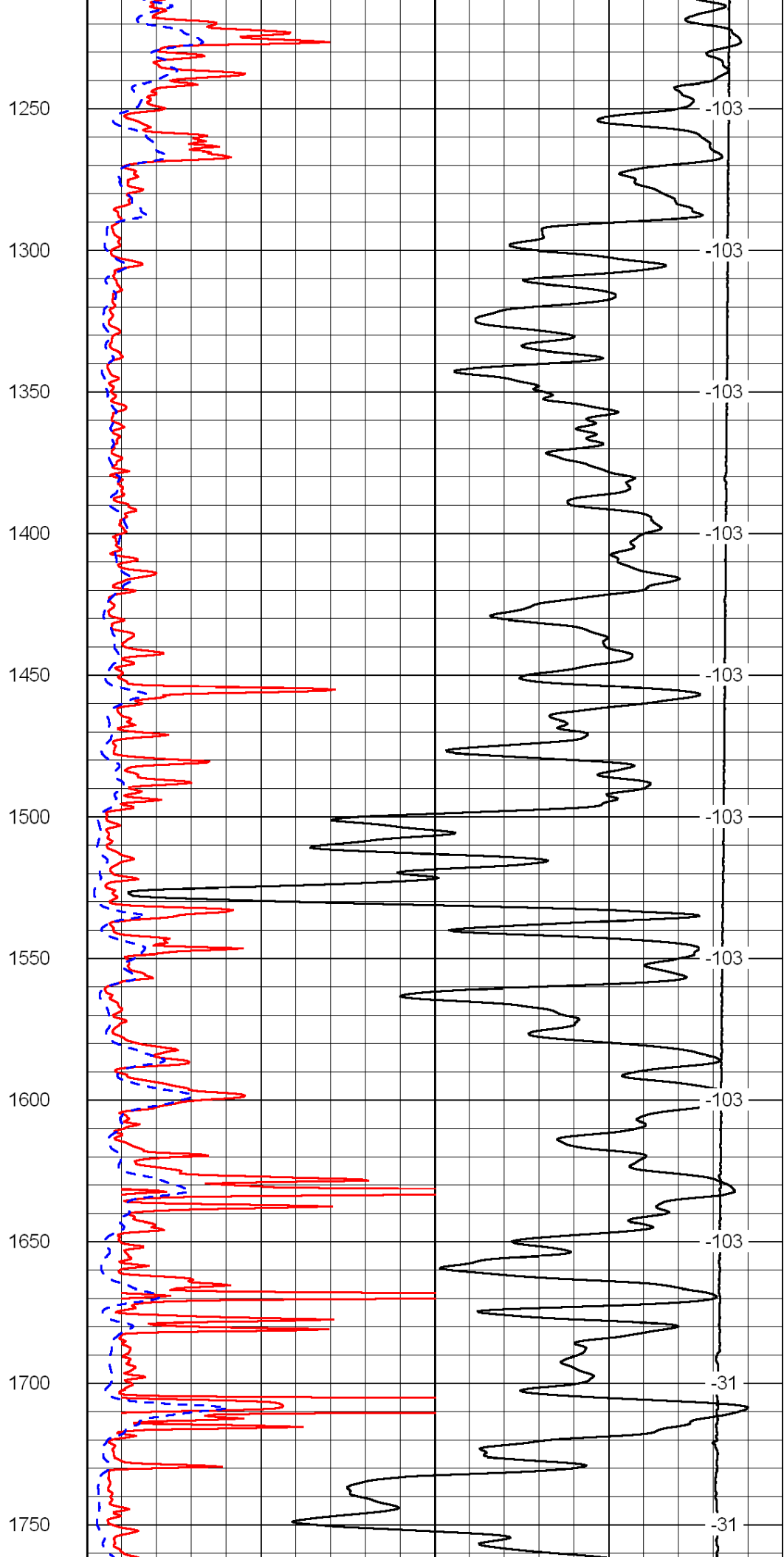
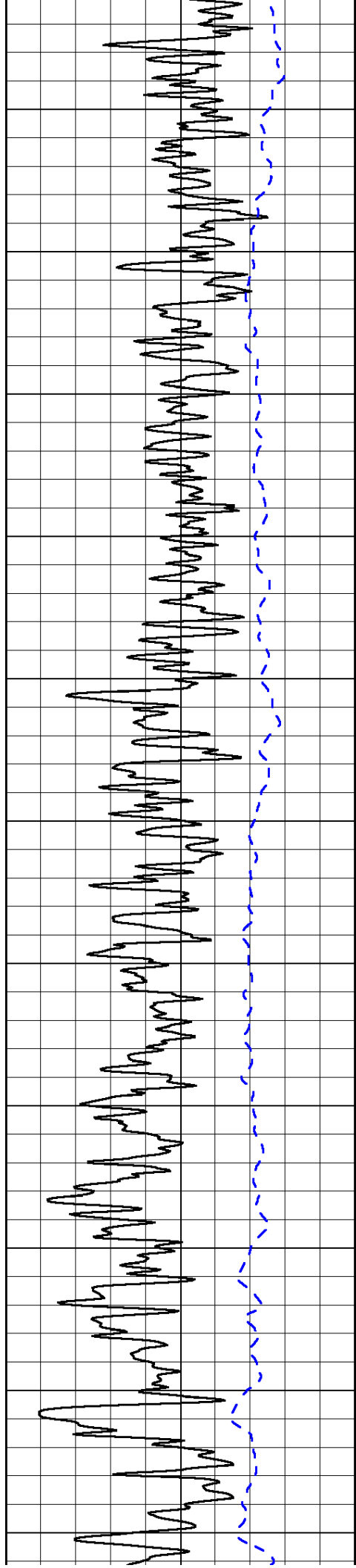
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-200	SP (mV)	0

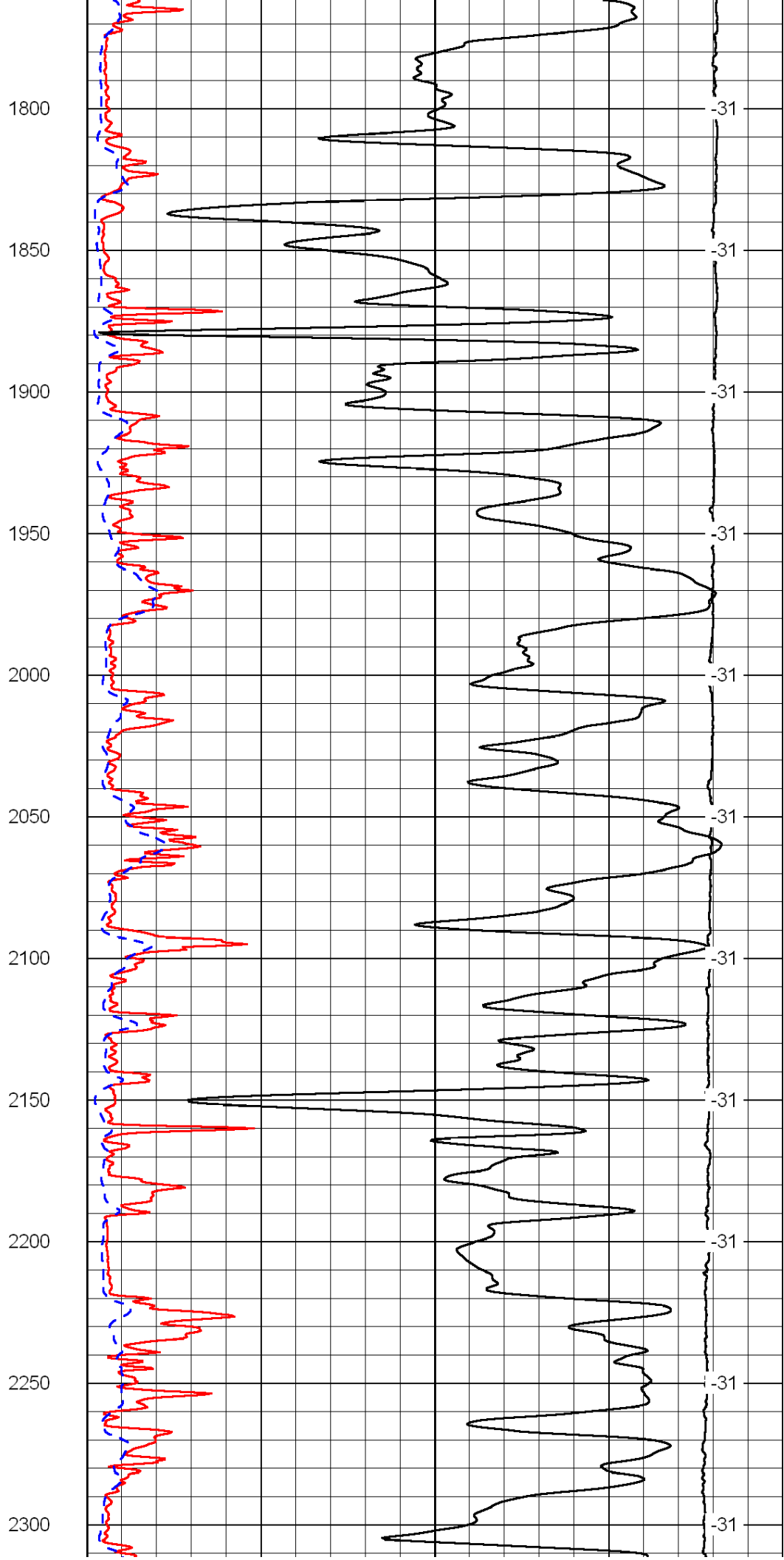
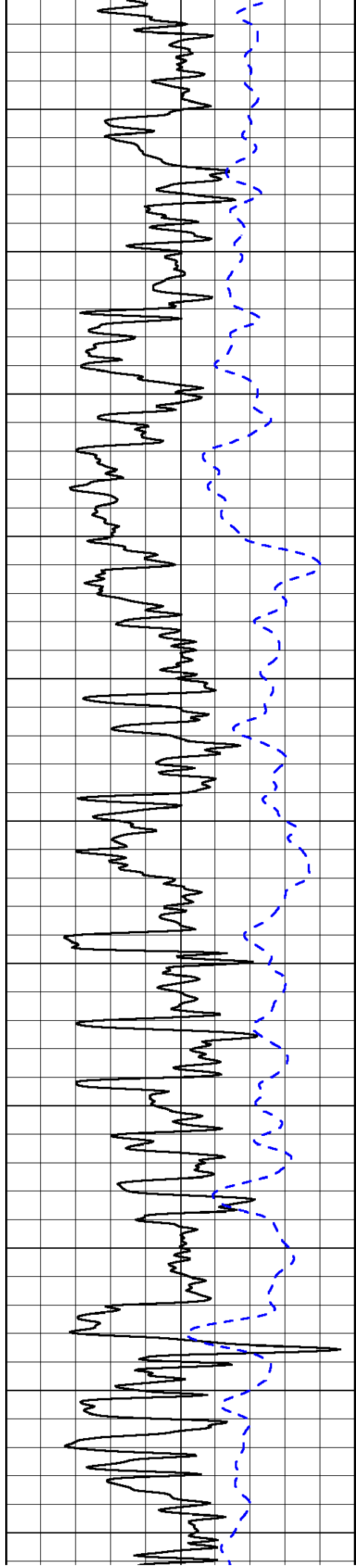


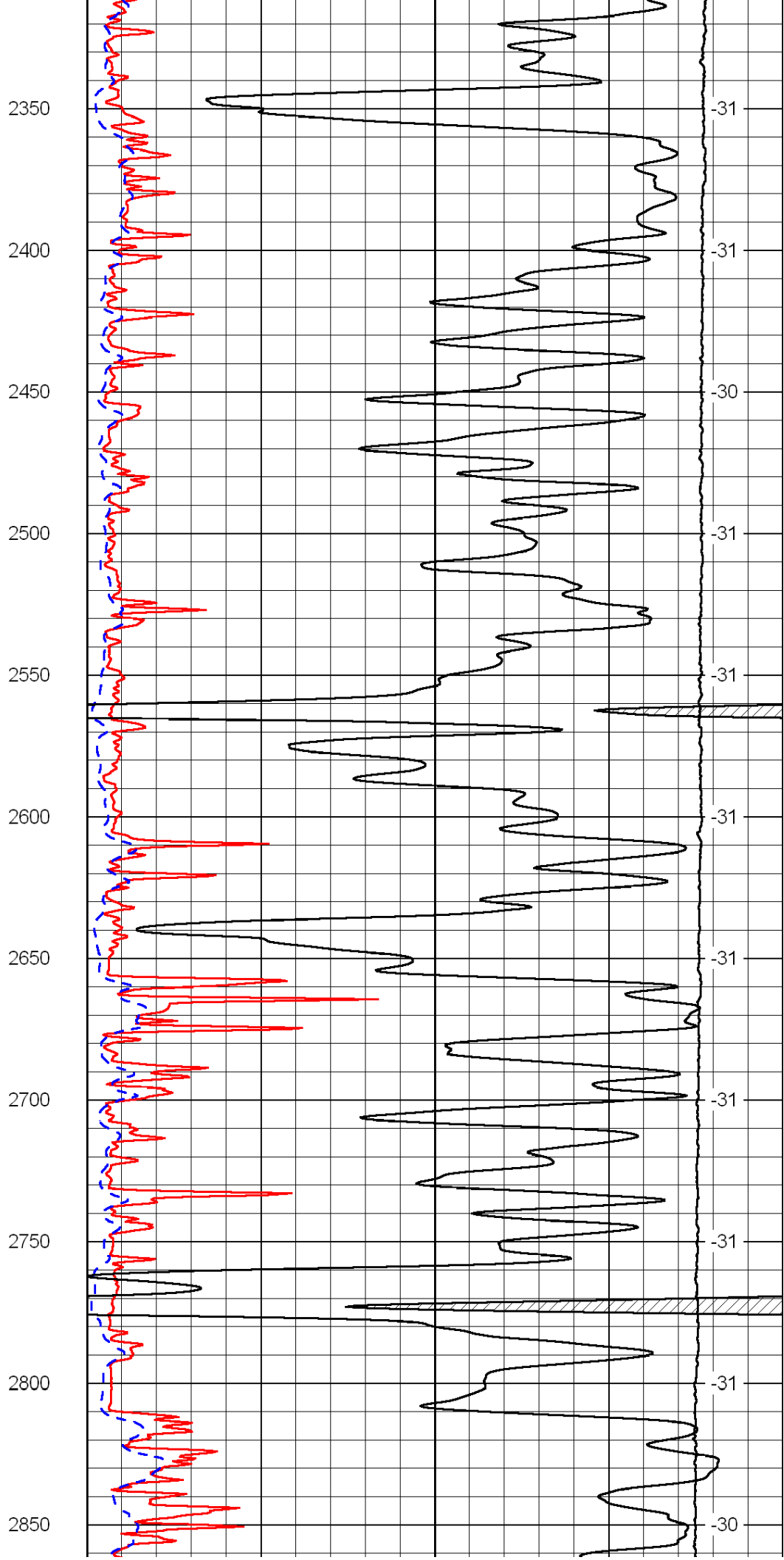
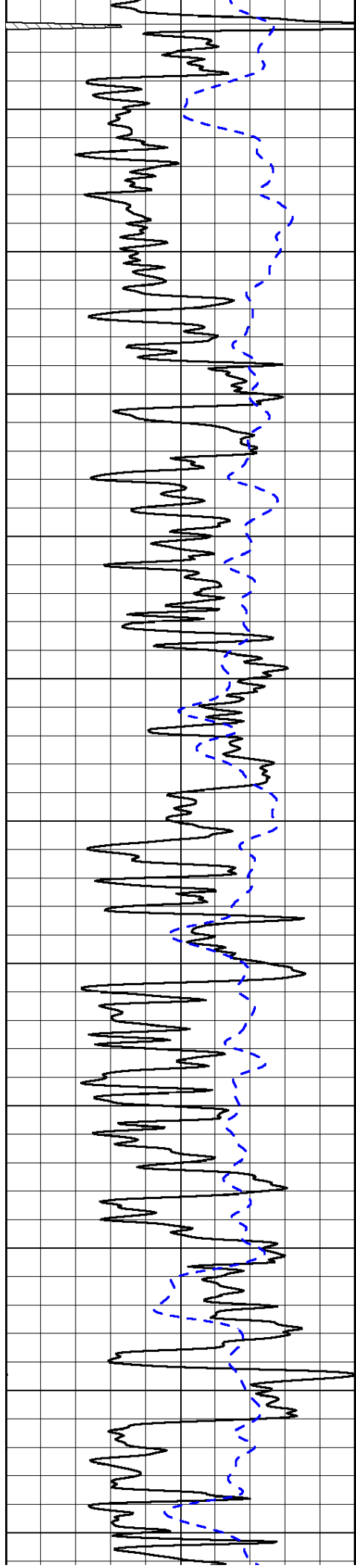
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

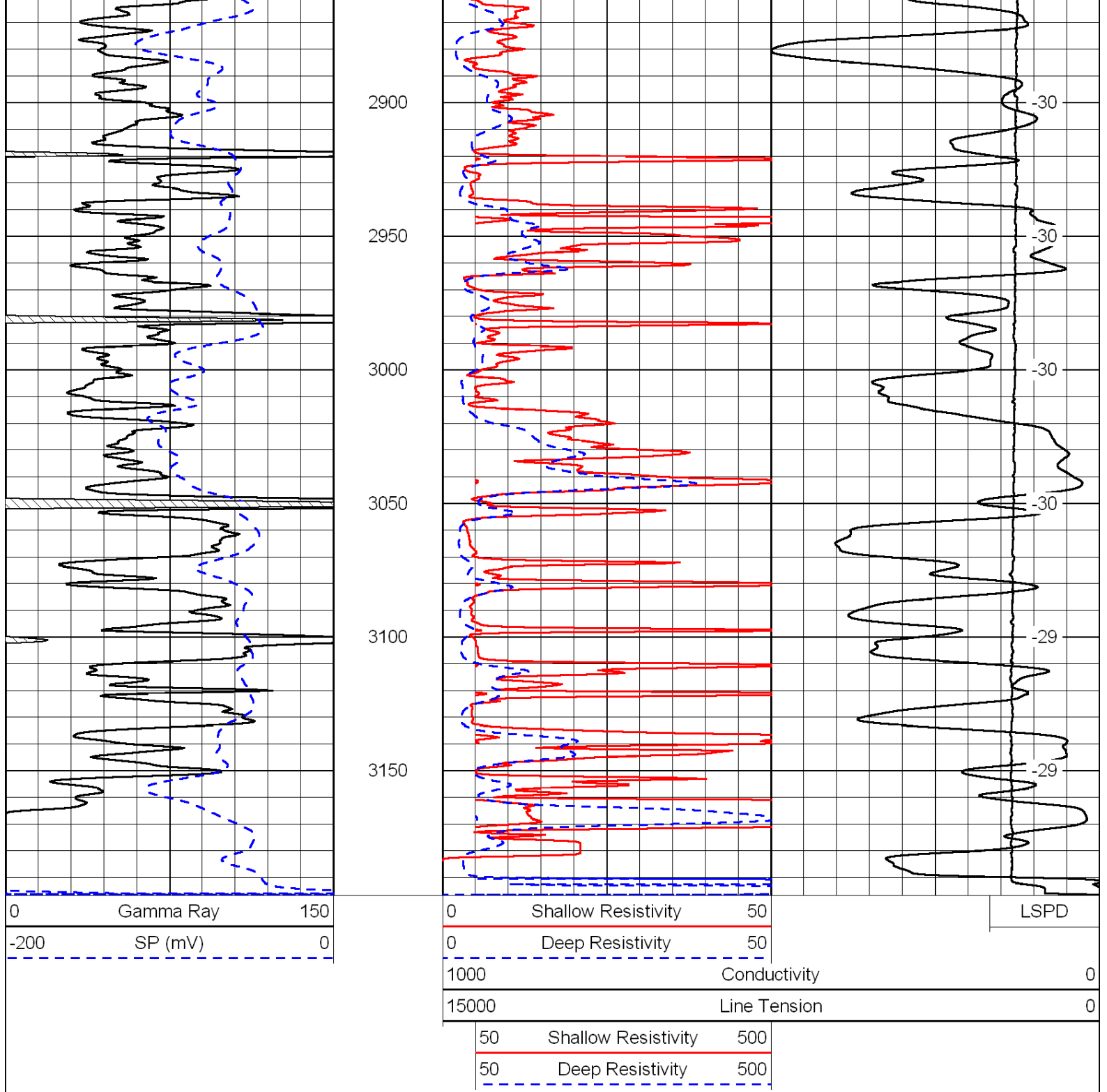
750
800
850
900
950
1000
1050
1100
1150
1200



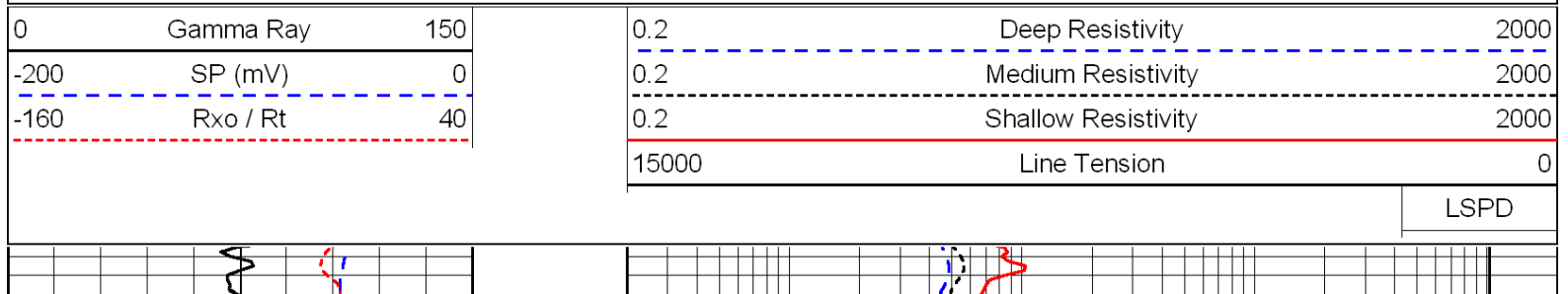


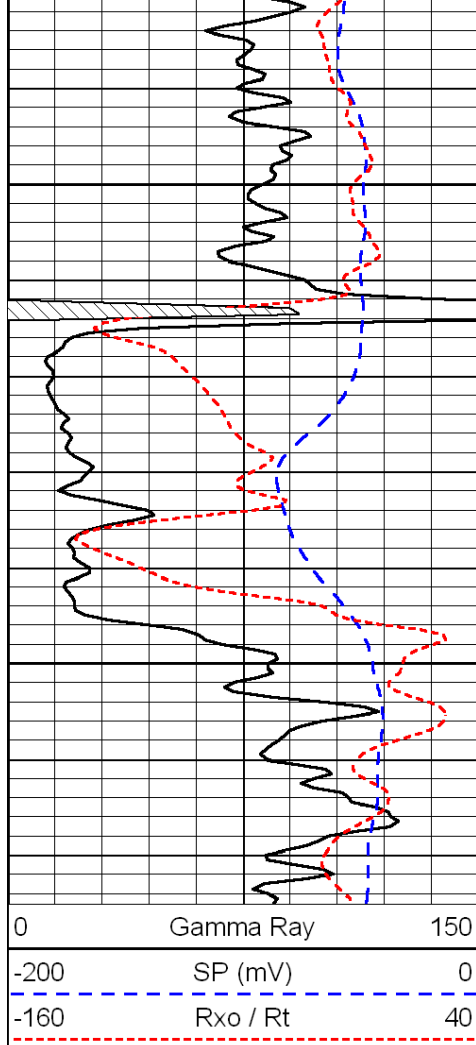






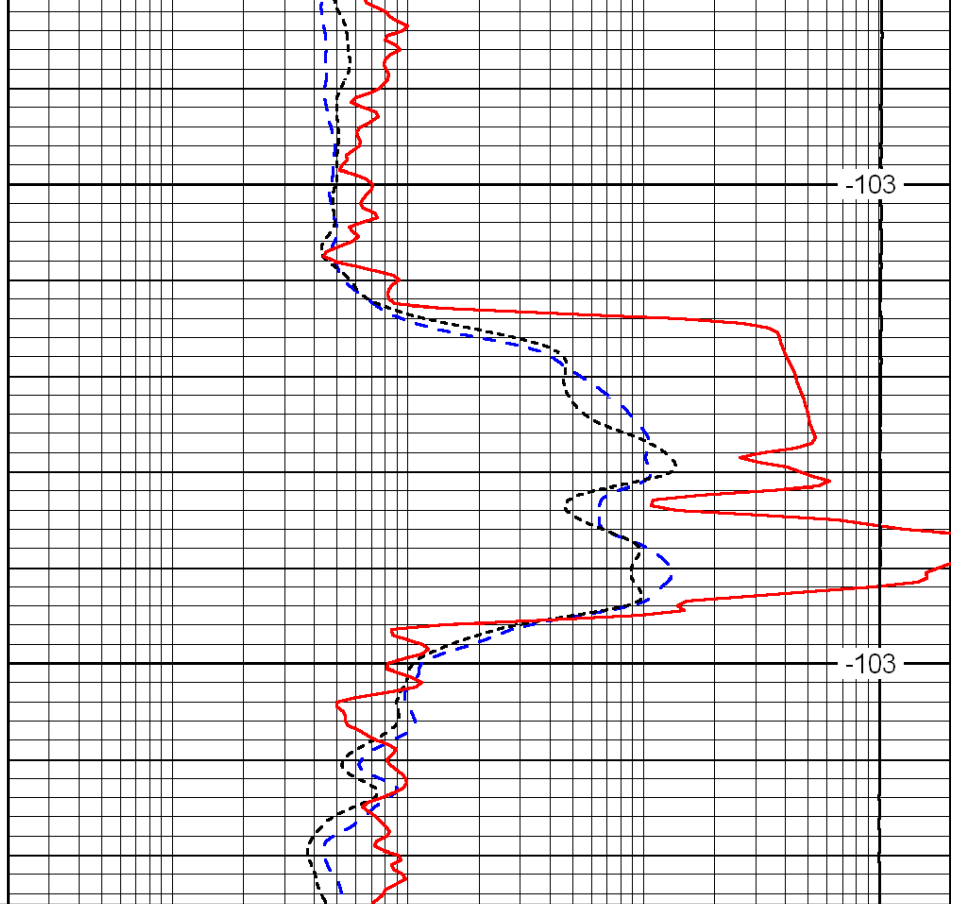
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 Dataset Pathname: dil/brucestock
 Presentation Format: dil
 Dataset Creation: Thu Dec 09 07:05:01 2010
 Charted by: Depth in Feet scaled 1:240





1100

1150



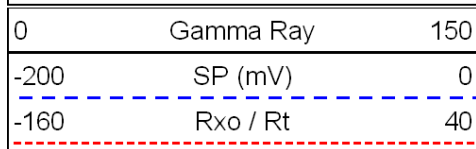
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-103

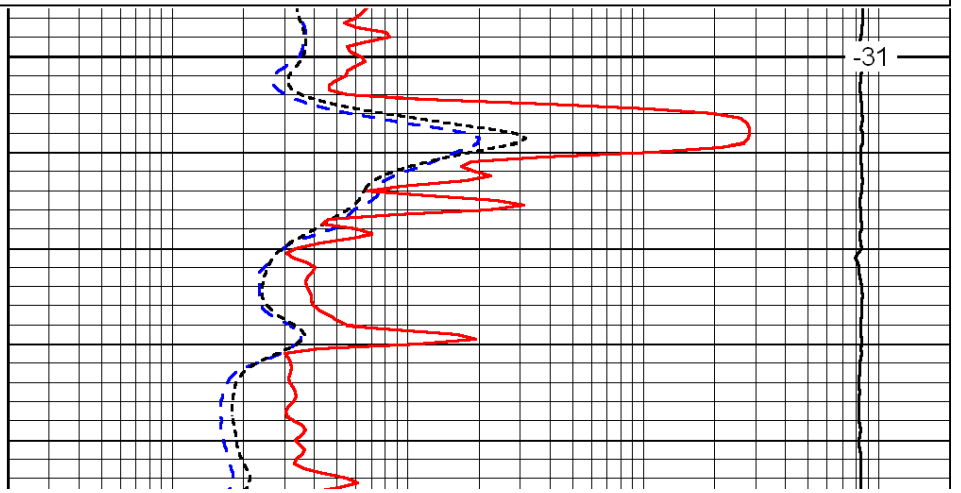
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

Database File: c:\warrior\data\bruce oil_spears no. 2\bruce_spears-2hd.db
Dataset Pathname: dil/brucestock
Presentation Format: dil
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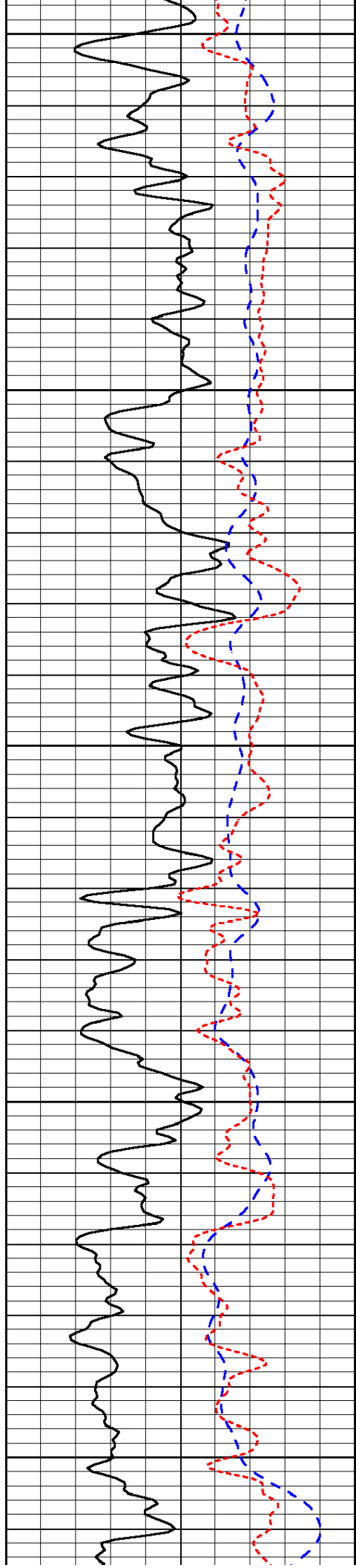
1700



-31

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

LSPD



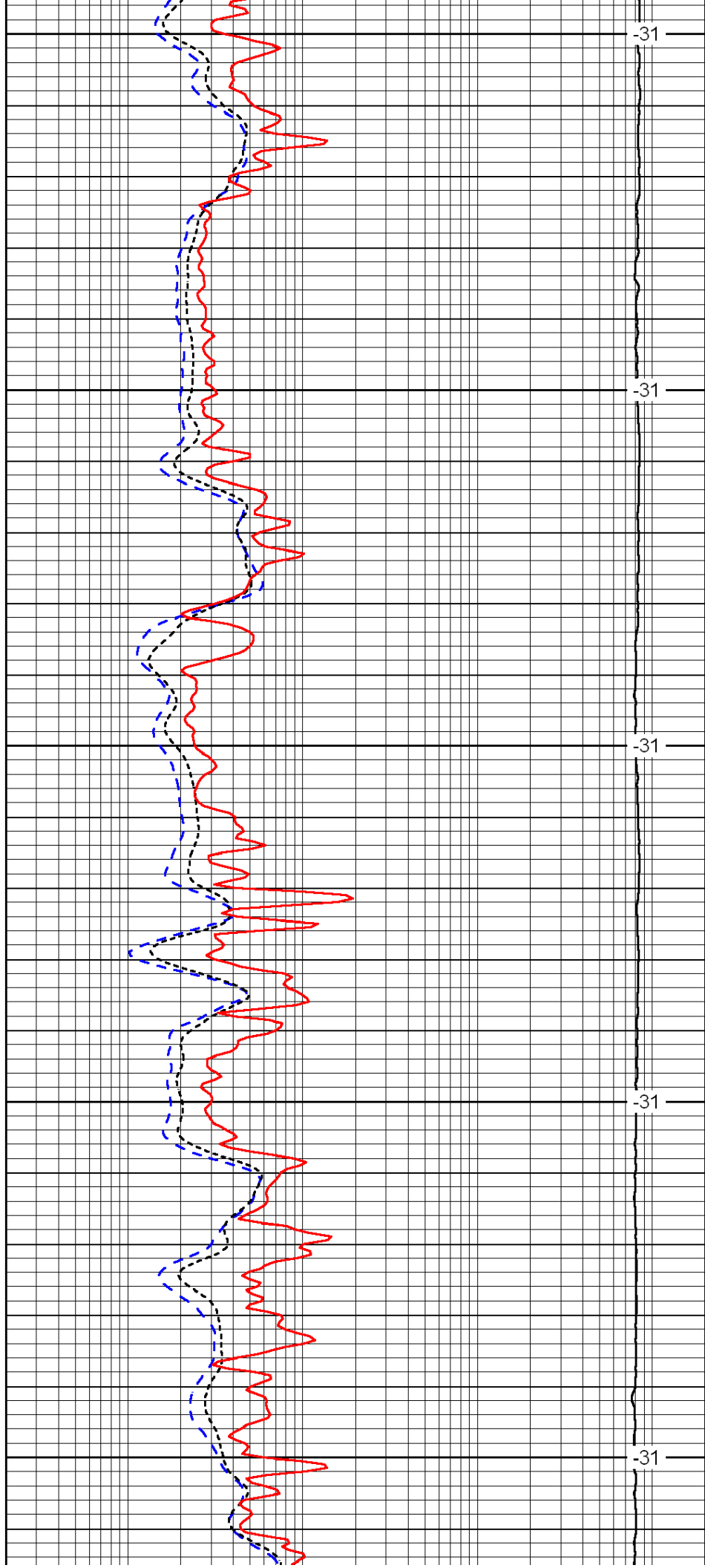
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1800

1850

1900

1950



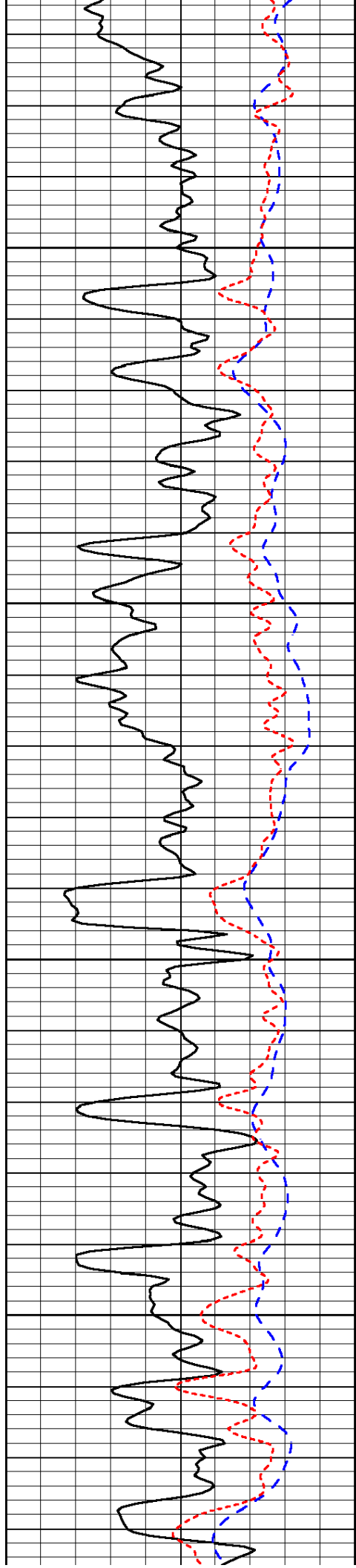
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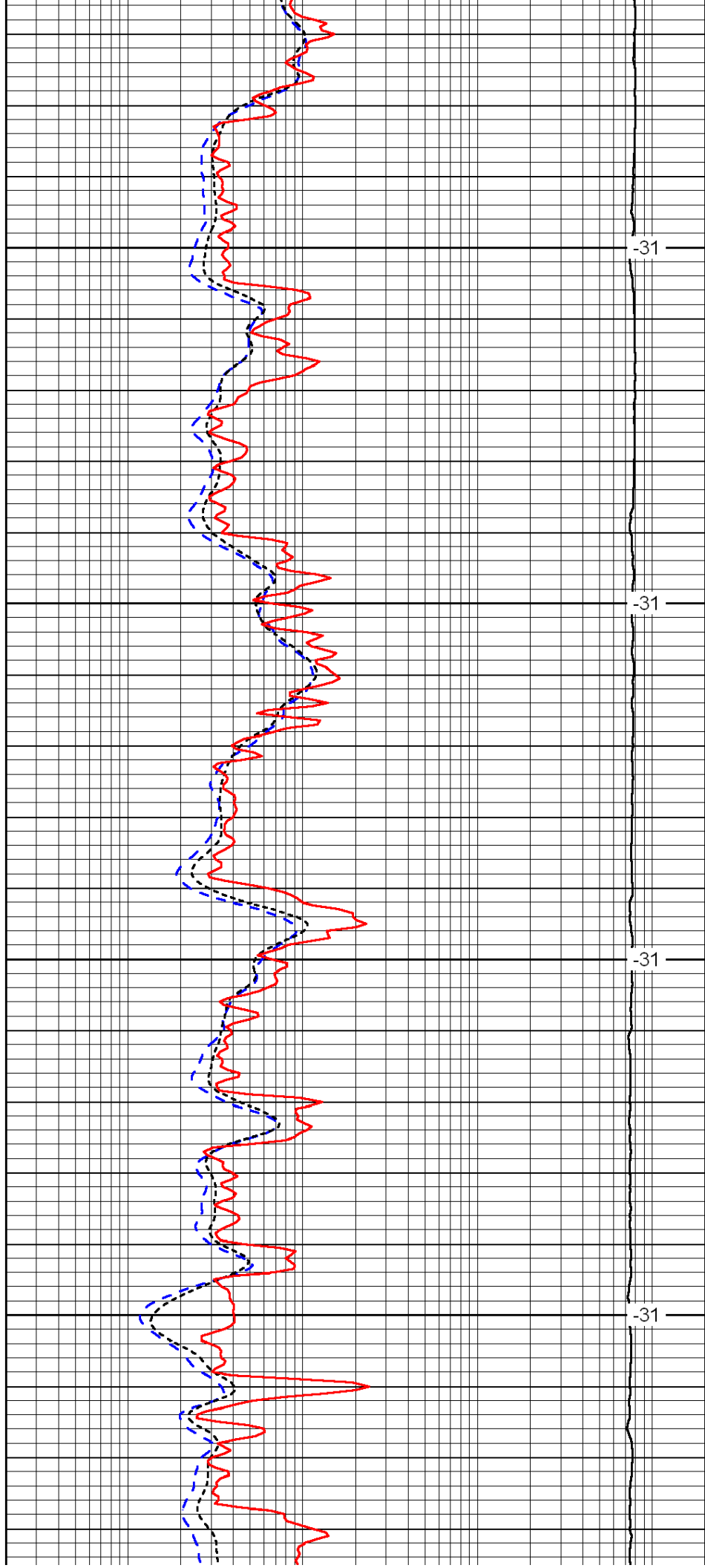


2000

2050

2100

2150

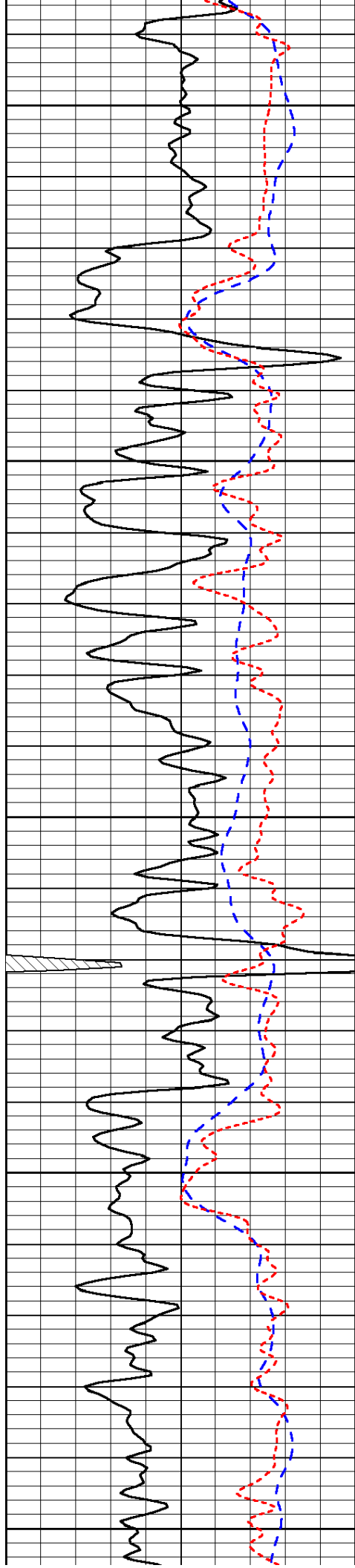


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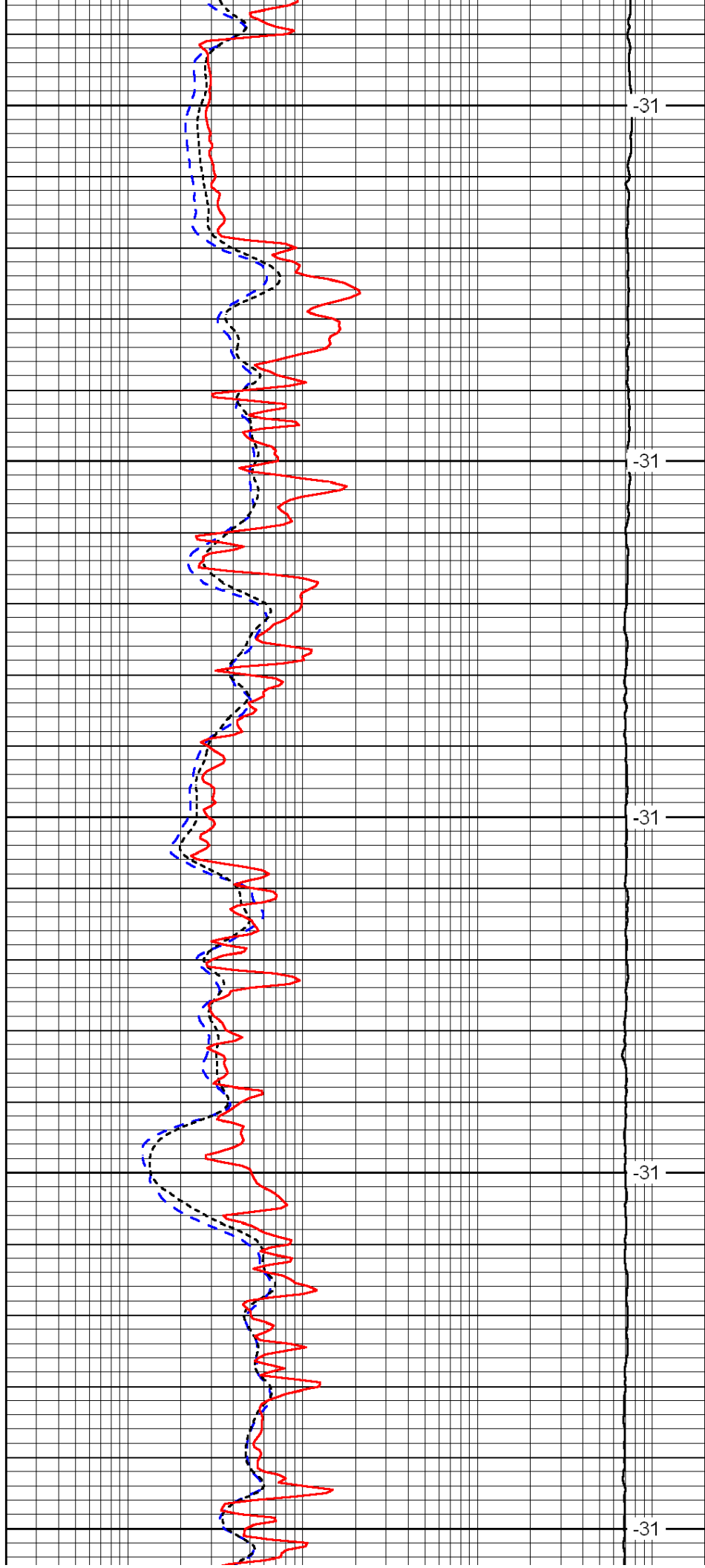
2200

2250

2300

2350

2400



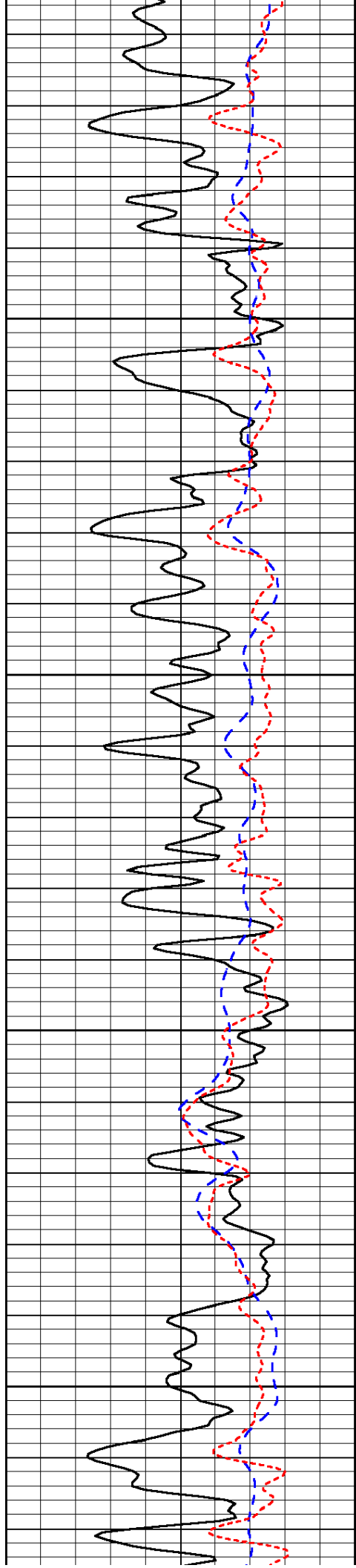
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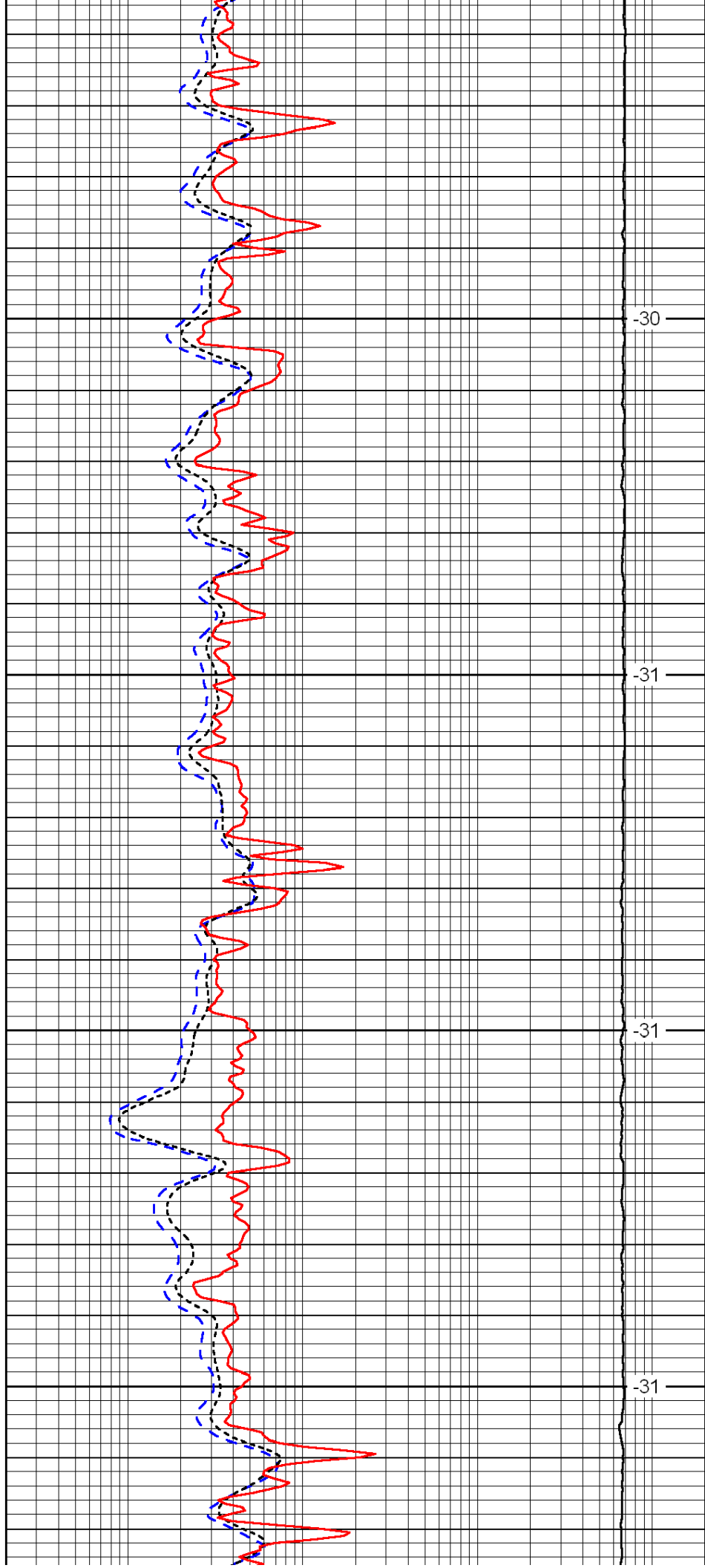


2450

2500

2550

2600

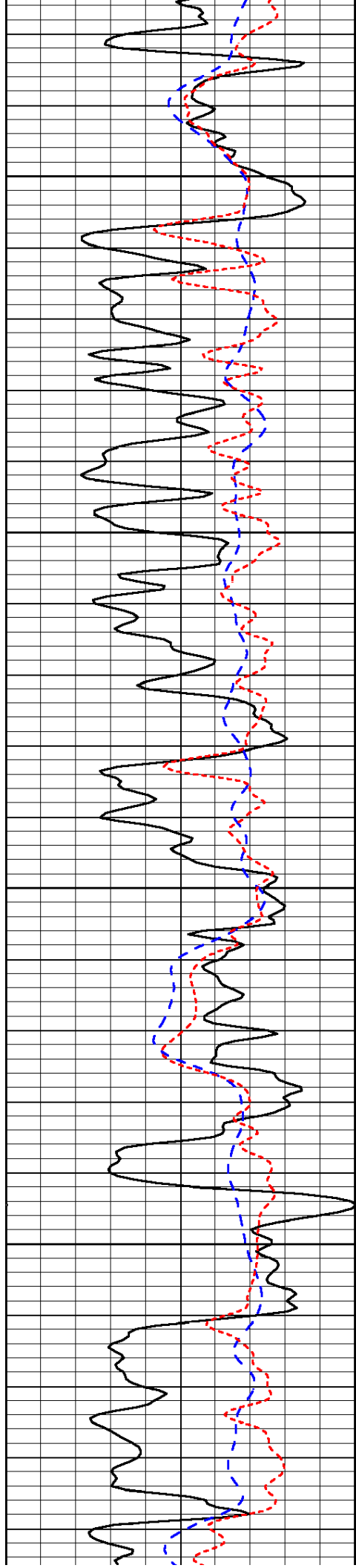


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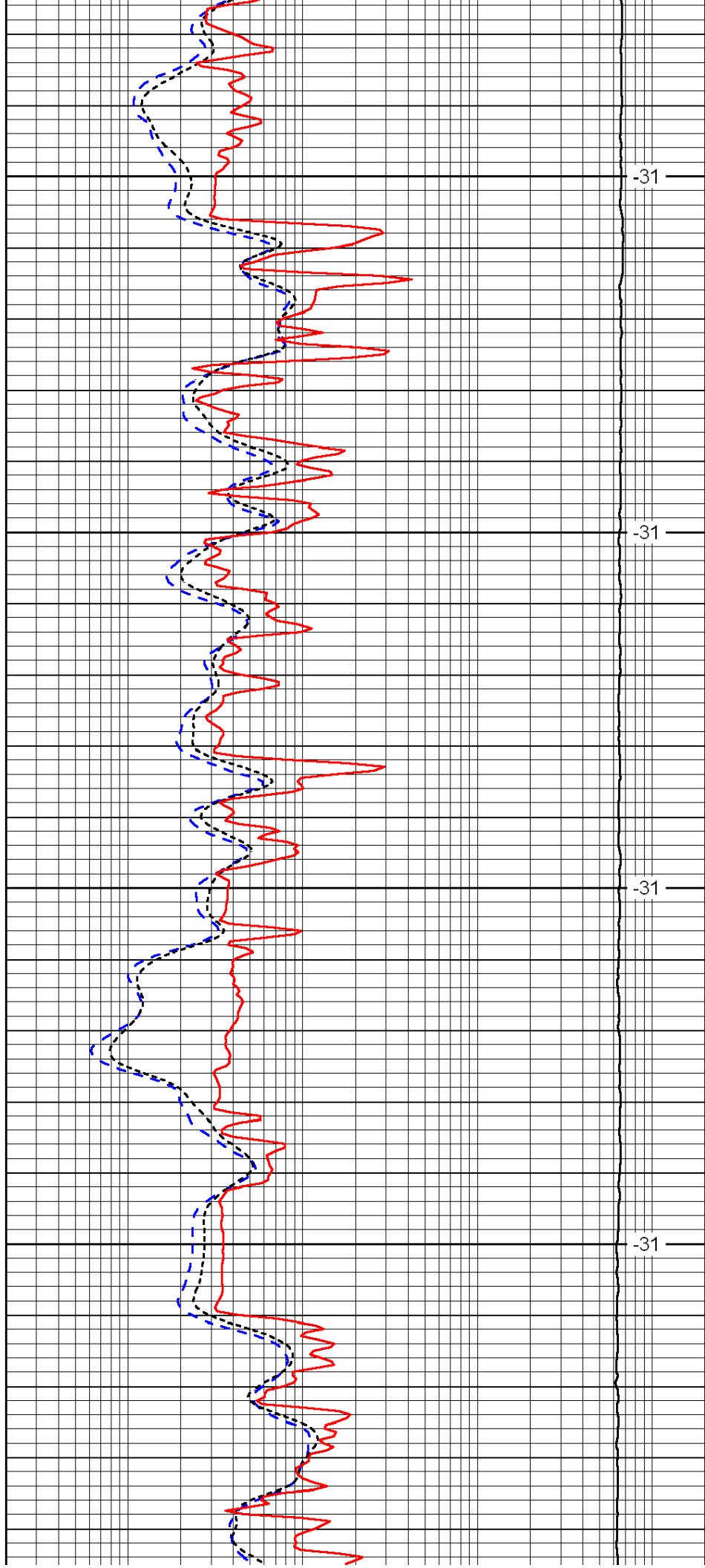


2650

2700

2750

2800

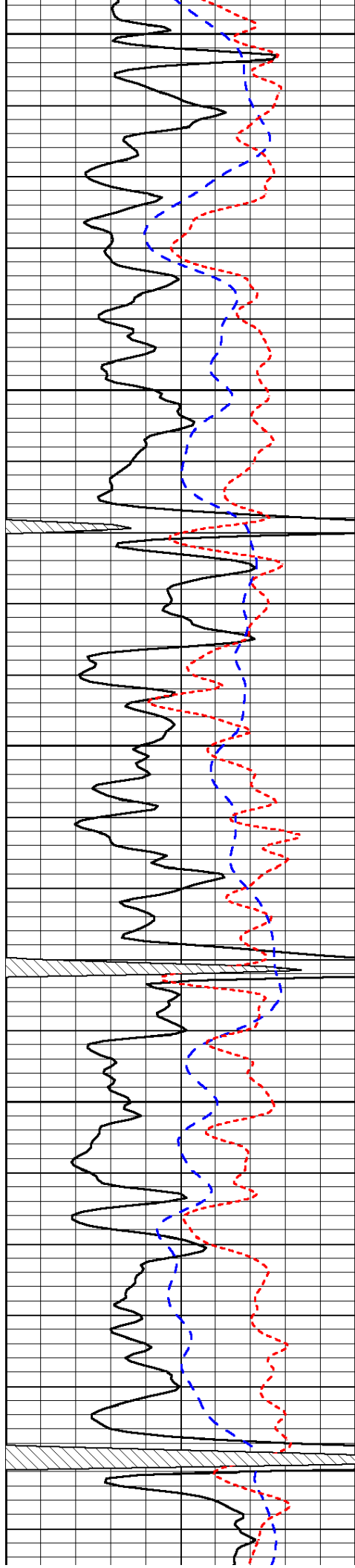


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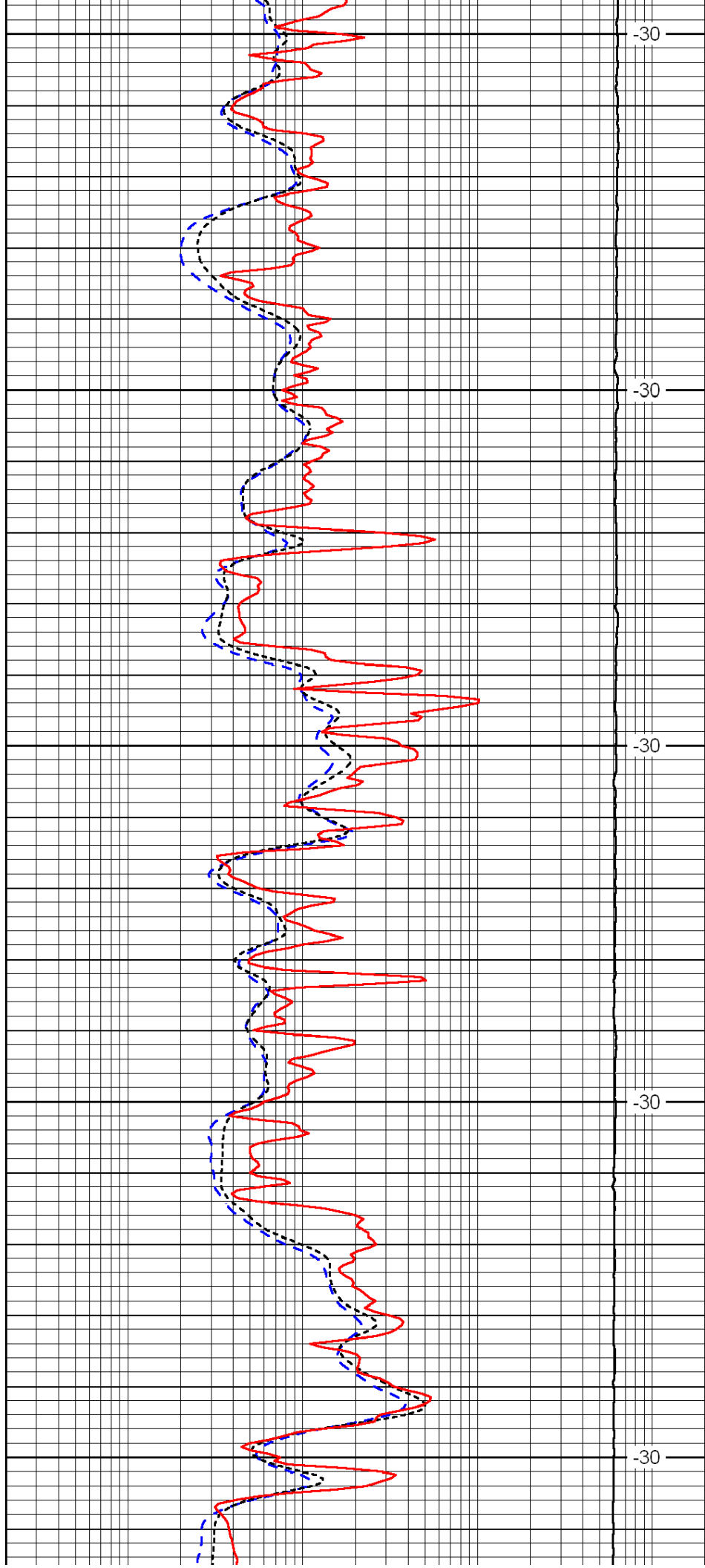
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2900

2950

3000

3050



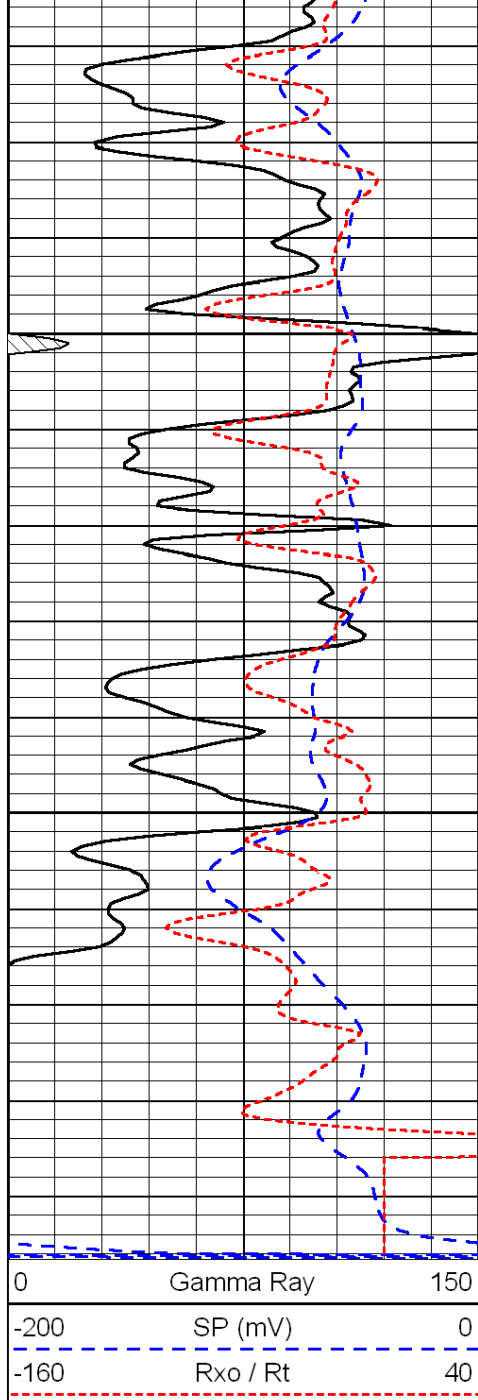
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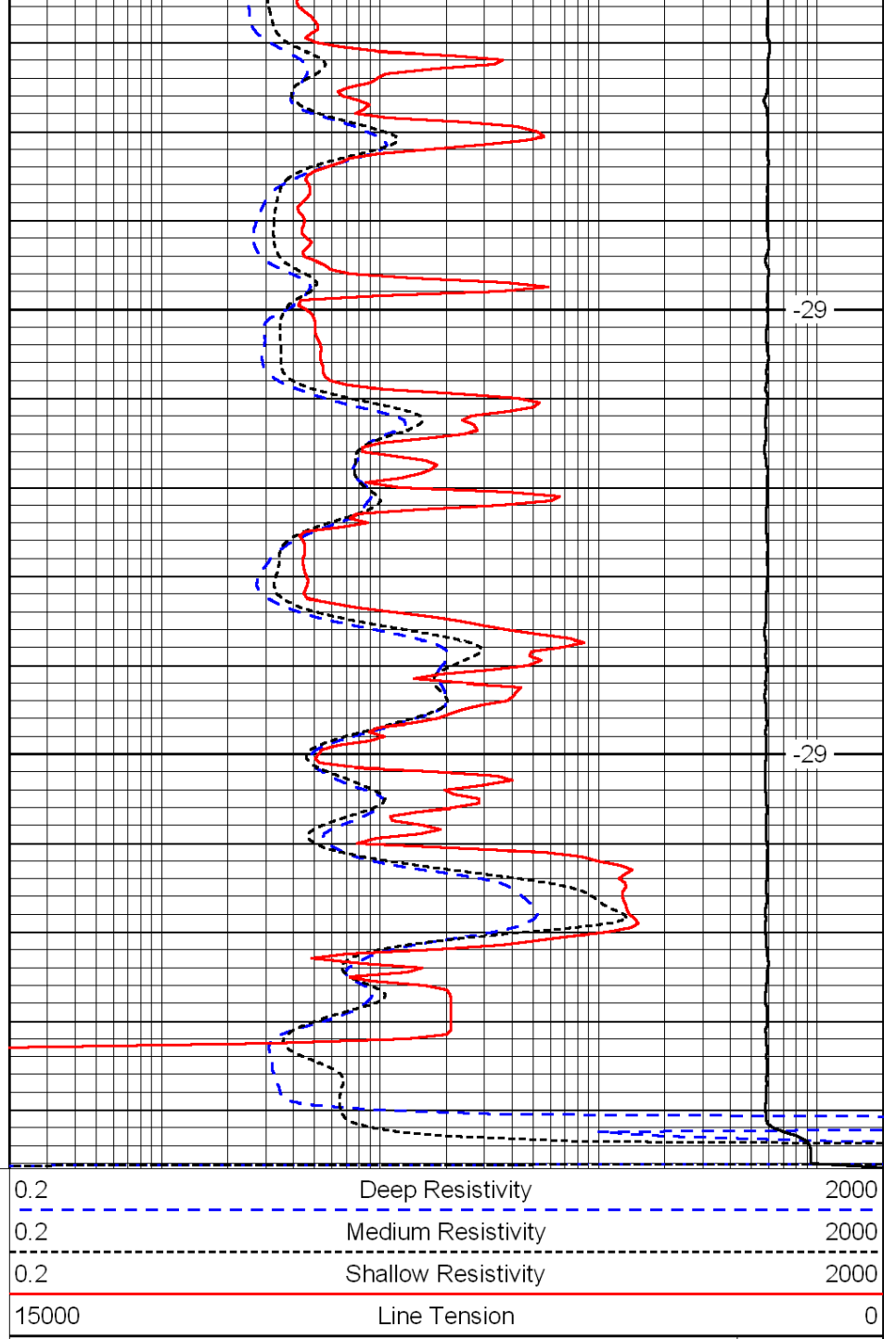
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3100

3150



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LSPD