



Dual Induction Log

Pioneer Energy Services

API No.	Company Hess Oil Company		
	Well Sack # 1		
	Field		
	County	Elilis	State Kansas
15-051-26,686-00-00	Location	NE SW NE SE 1,705' FSL & 810' FEL	
	Sec: 27	Twp: 13S	Rge: 19W
	Permanent Datum	Ground Level	Elevation 2096
	Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing			K.B. 2101 D.F. 2096 G.L. 2096
Date	4/30/2014		
Run Number	One		
Depth Driller	3795		
Depth Logger	3795		
Bottom Logged Interval	3794		
Top Log Interval	200		
Casing Driller	8.625 @ 218		
Casing Logger	217		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	8500		
Density / Viscosity	9.0 51		
pH / Fluid Loss	9.0 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.40 @ 66		
Rmf @ Meas. Temp	.30 @ 66		
Rmc @ Meas. Temp	.54 @ 66		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.23 @ 114		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	114		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Bryan Hess		
	David Gould		

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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

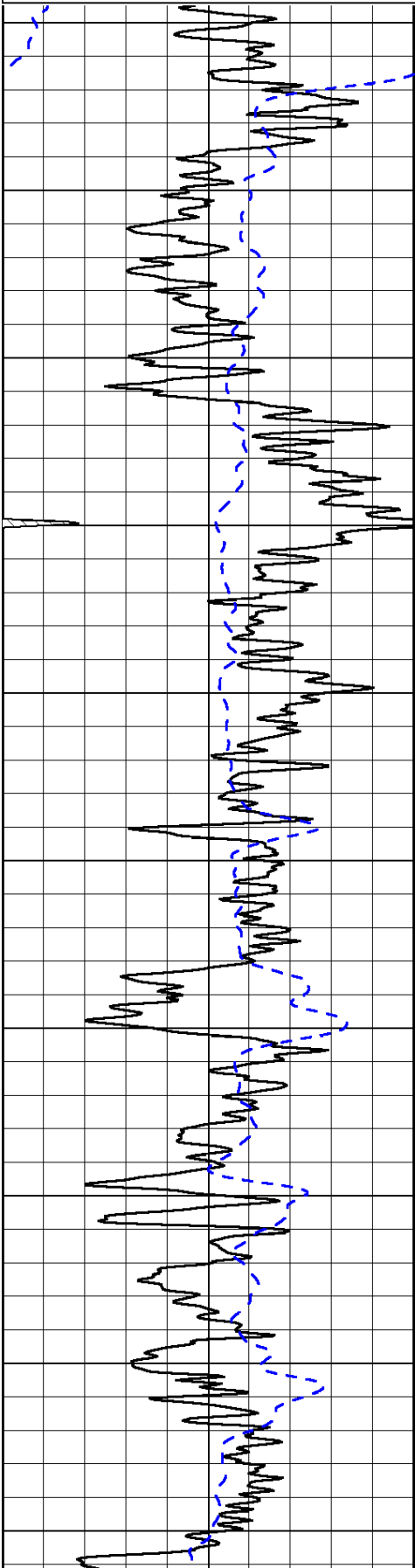
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Hays, West on Old 40 Highway to 200 Road, 1 South, West Into

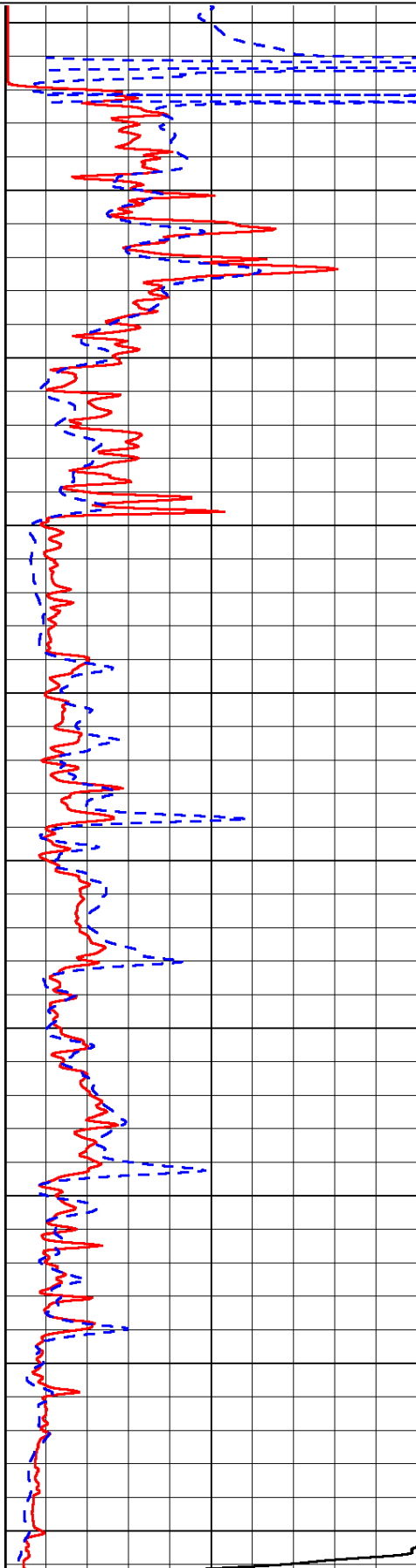
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Presentation Format: dil2in
Dataset Creation: Wed Apr 30 16:00:01 2014
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

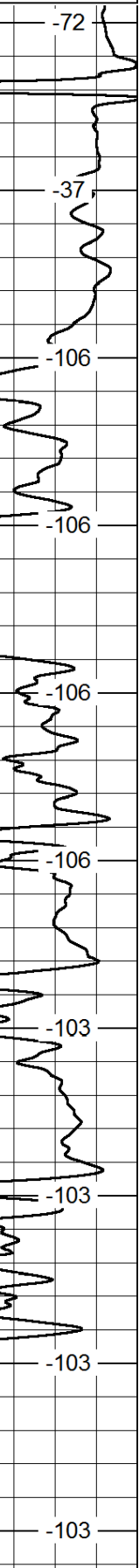
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-200	SP (mV)	0

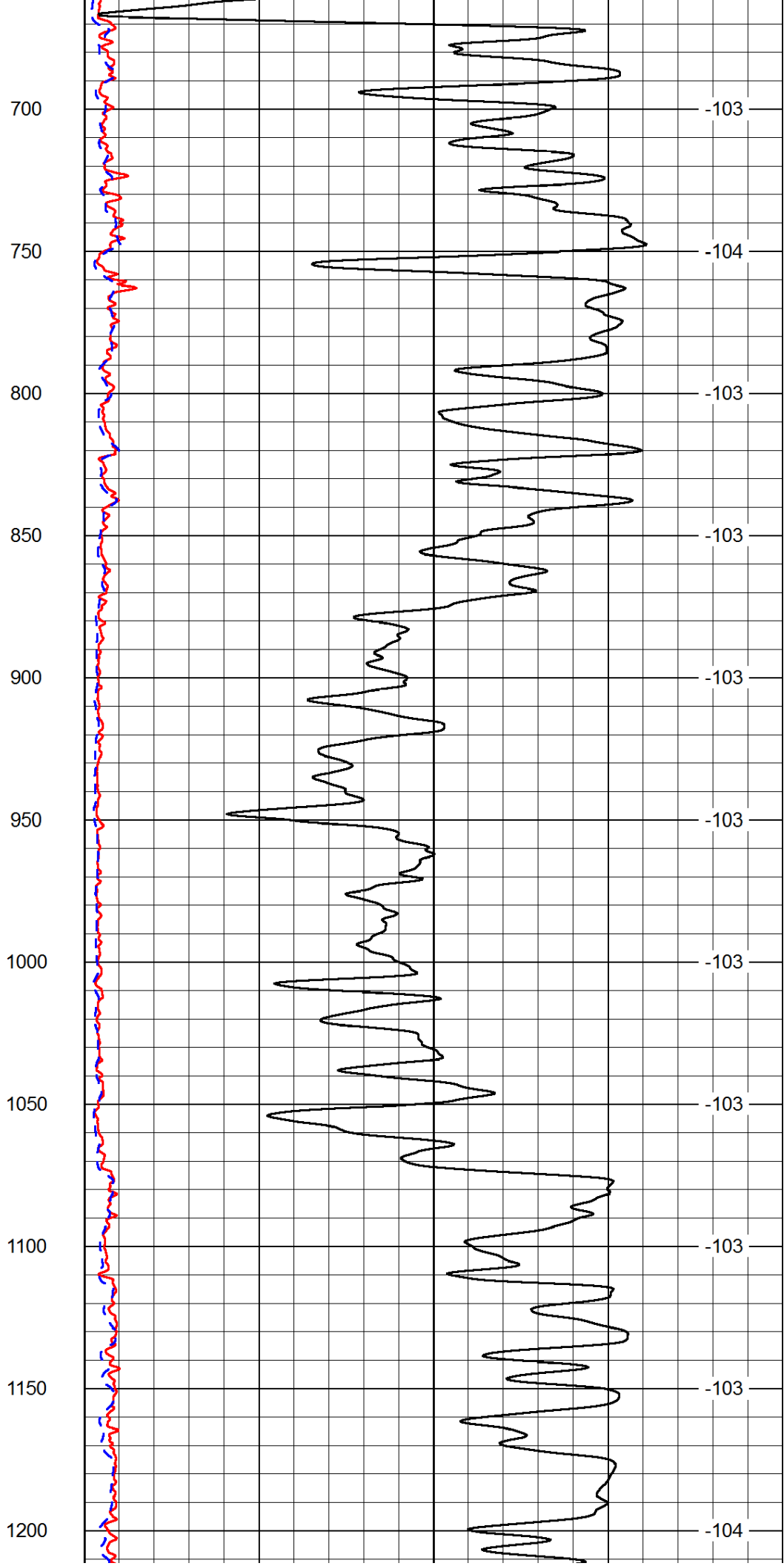
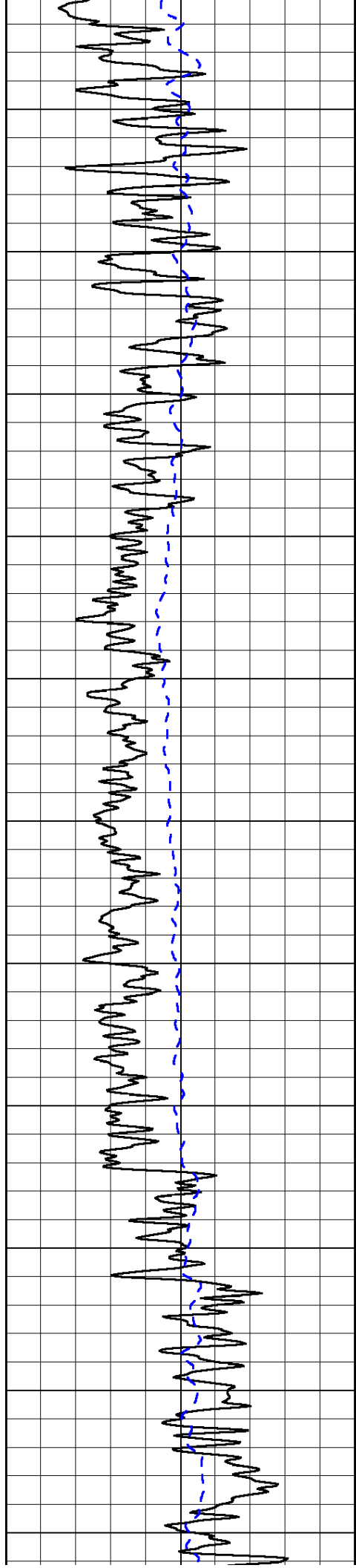


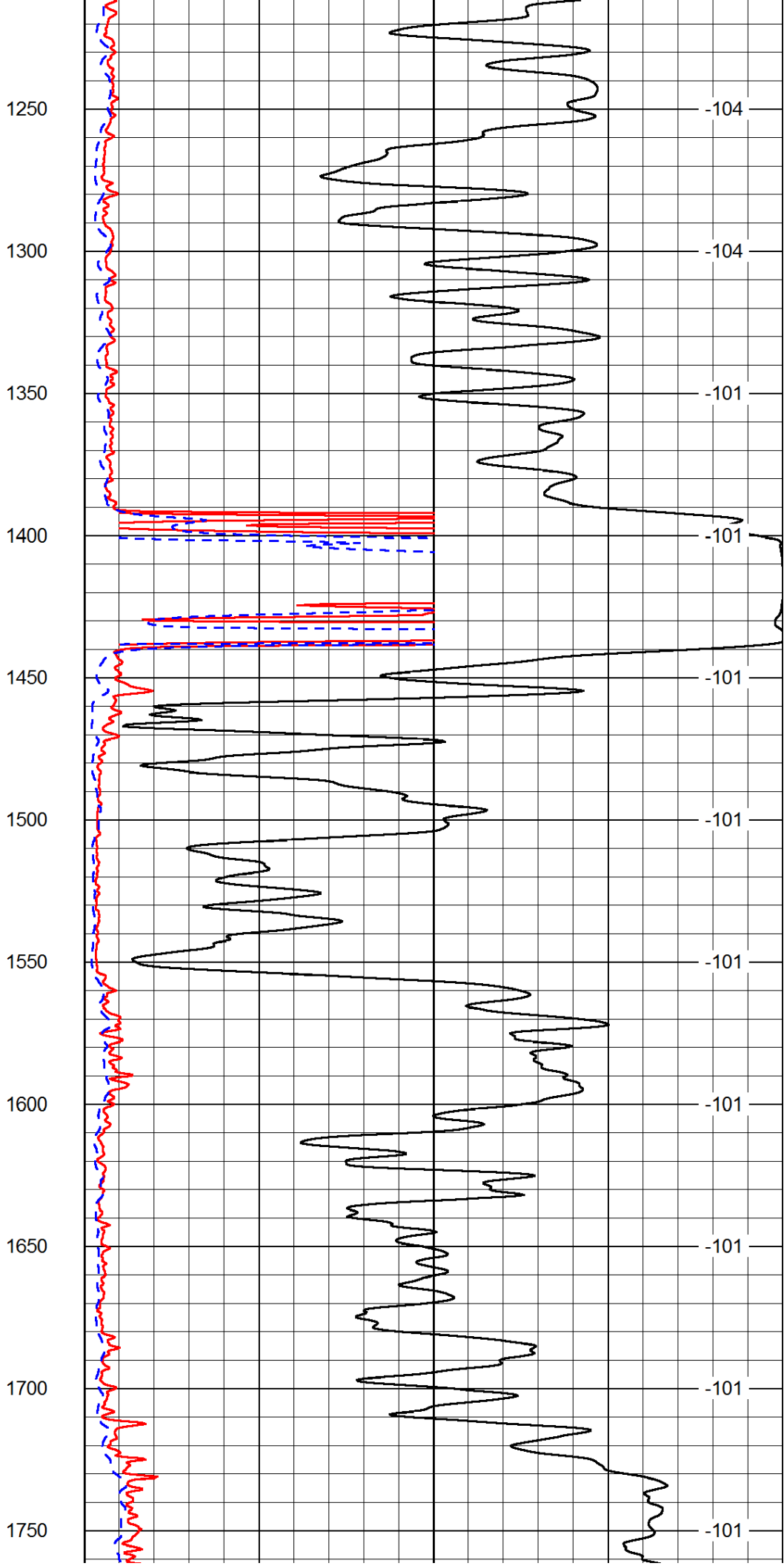
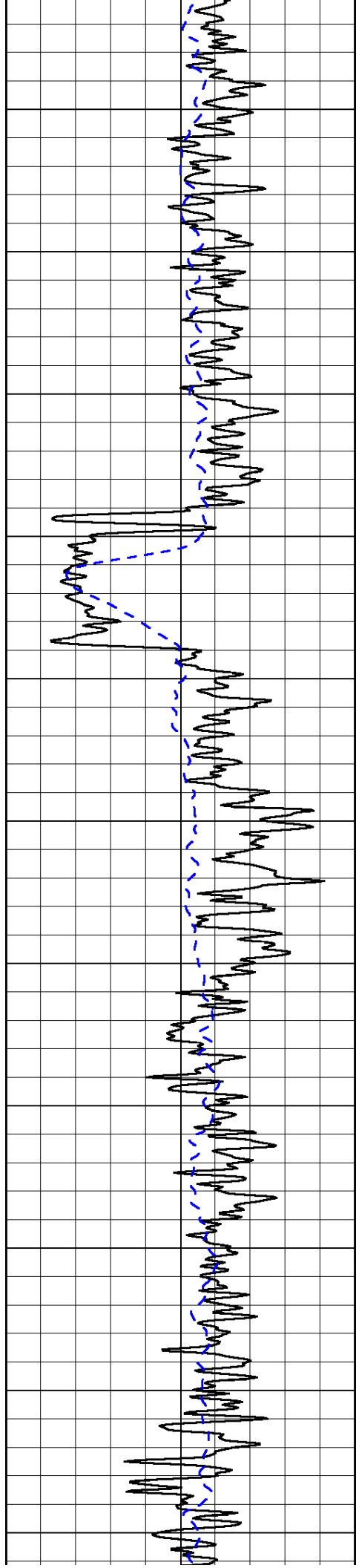
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

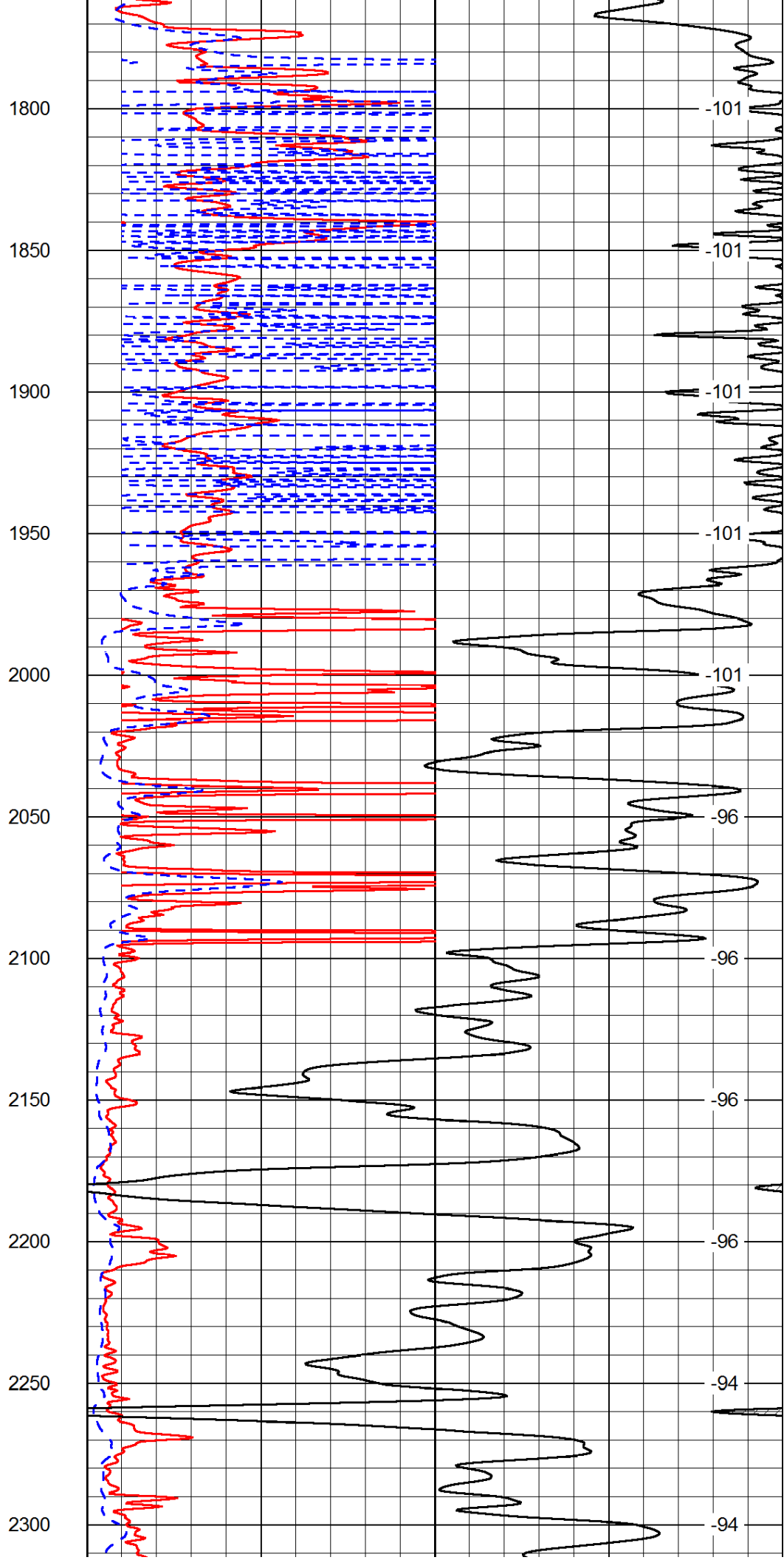
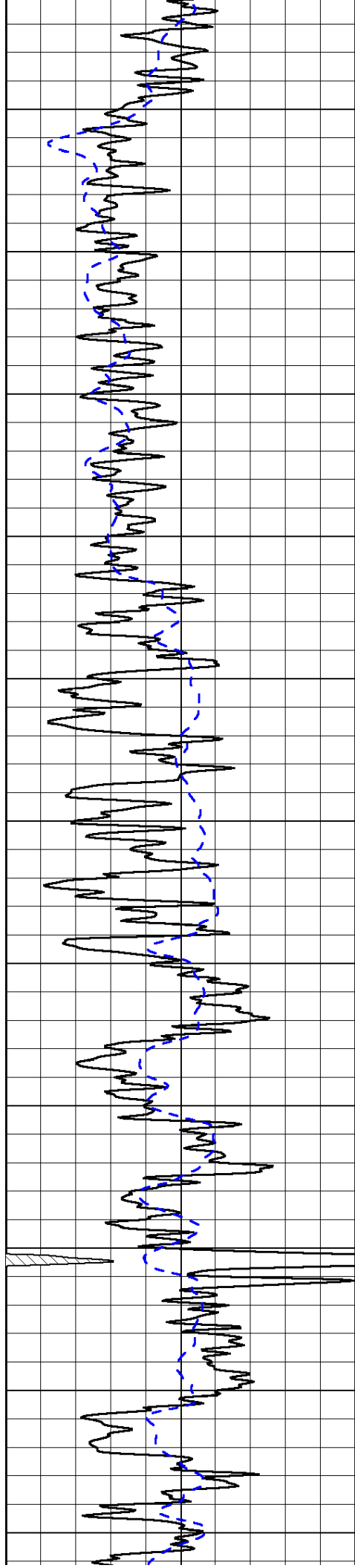


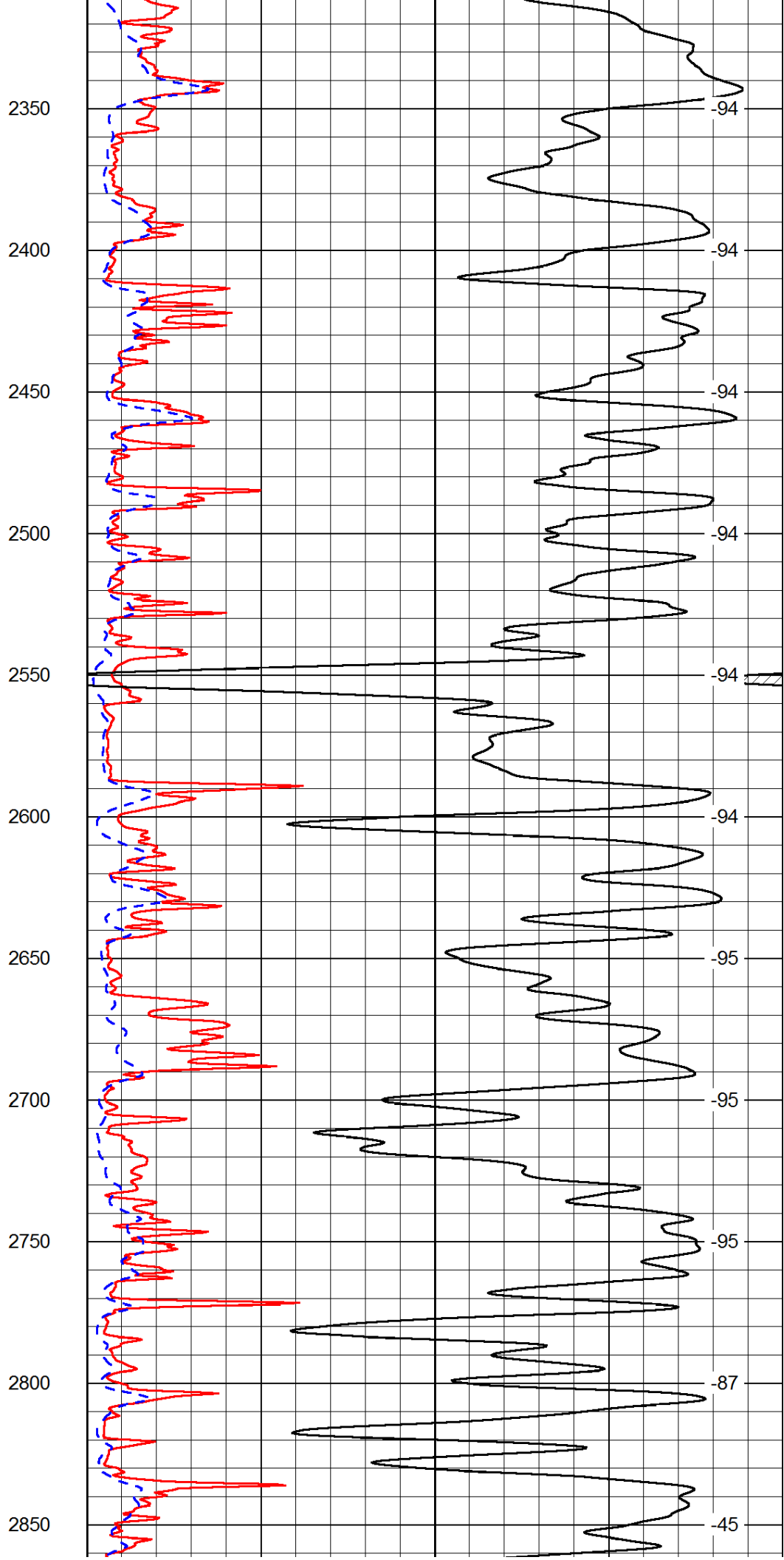
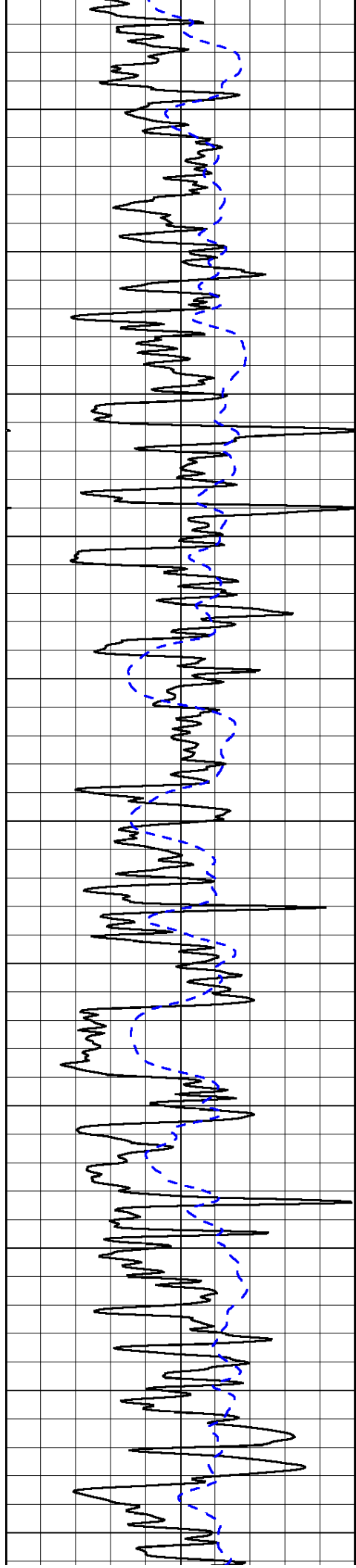
LSPD	0
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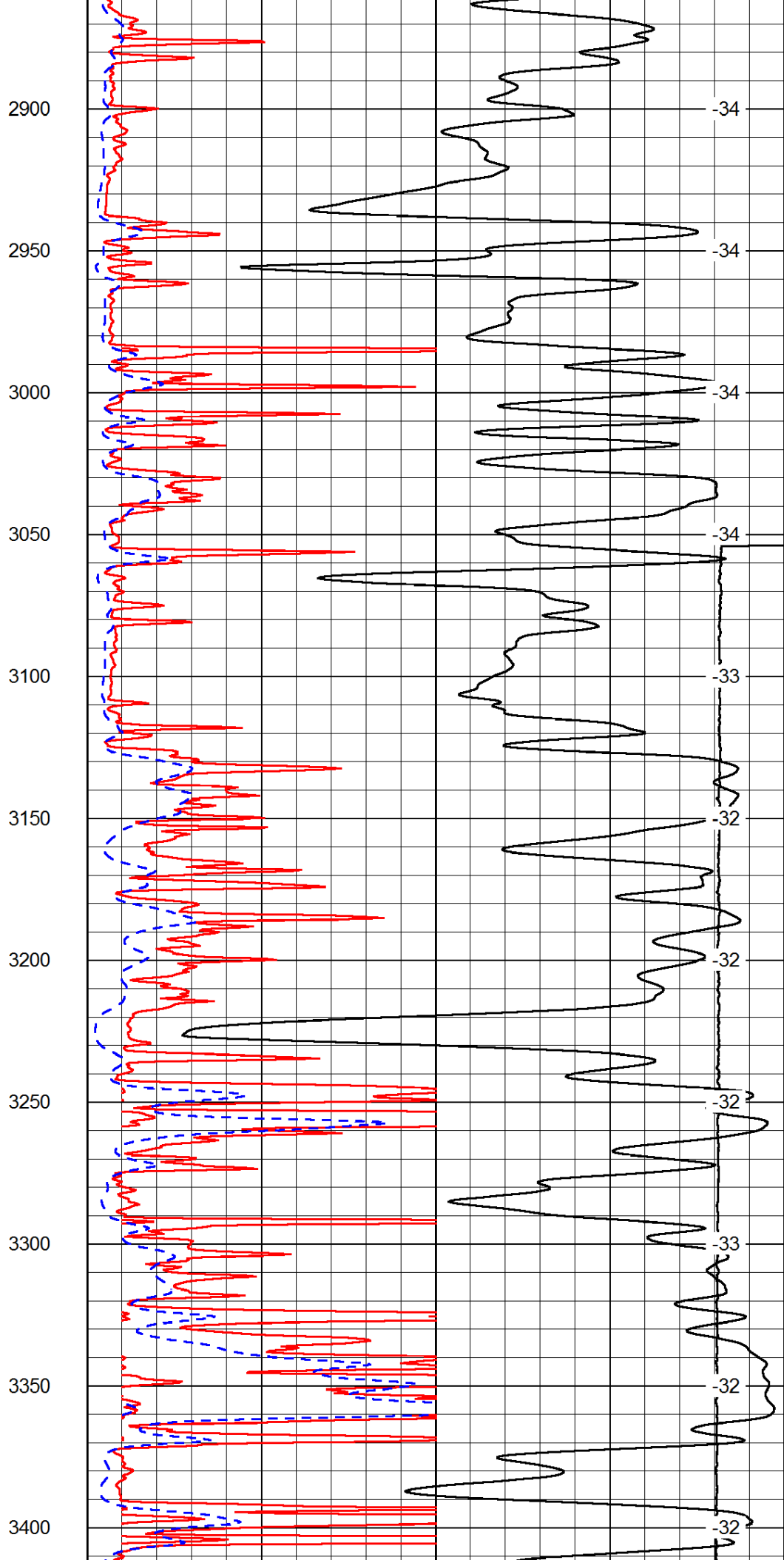
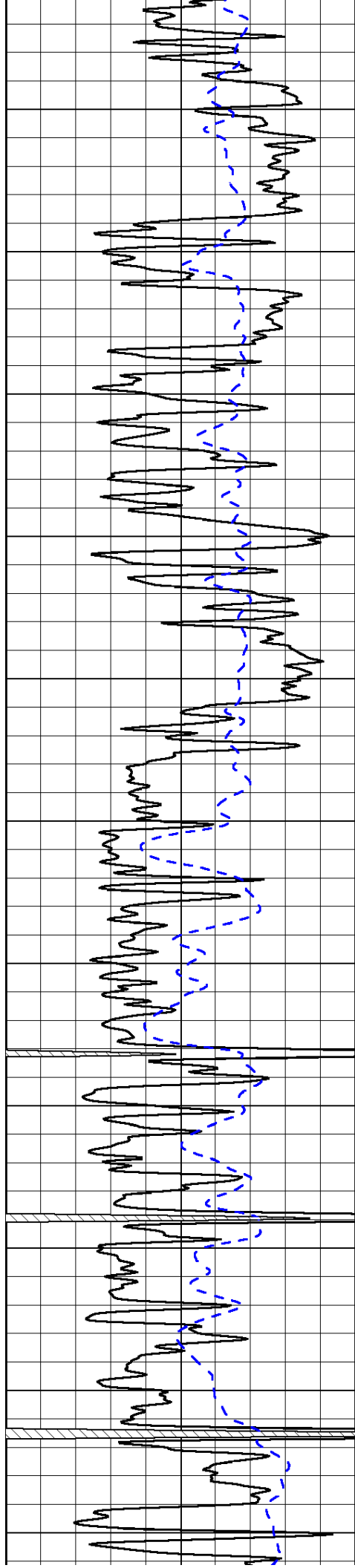


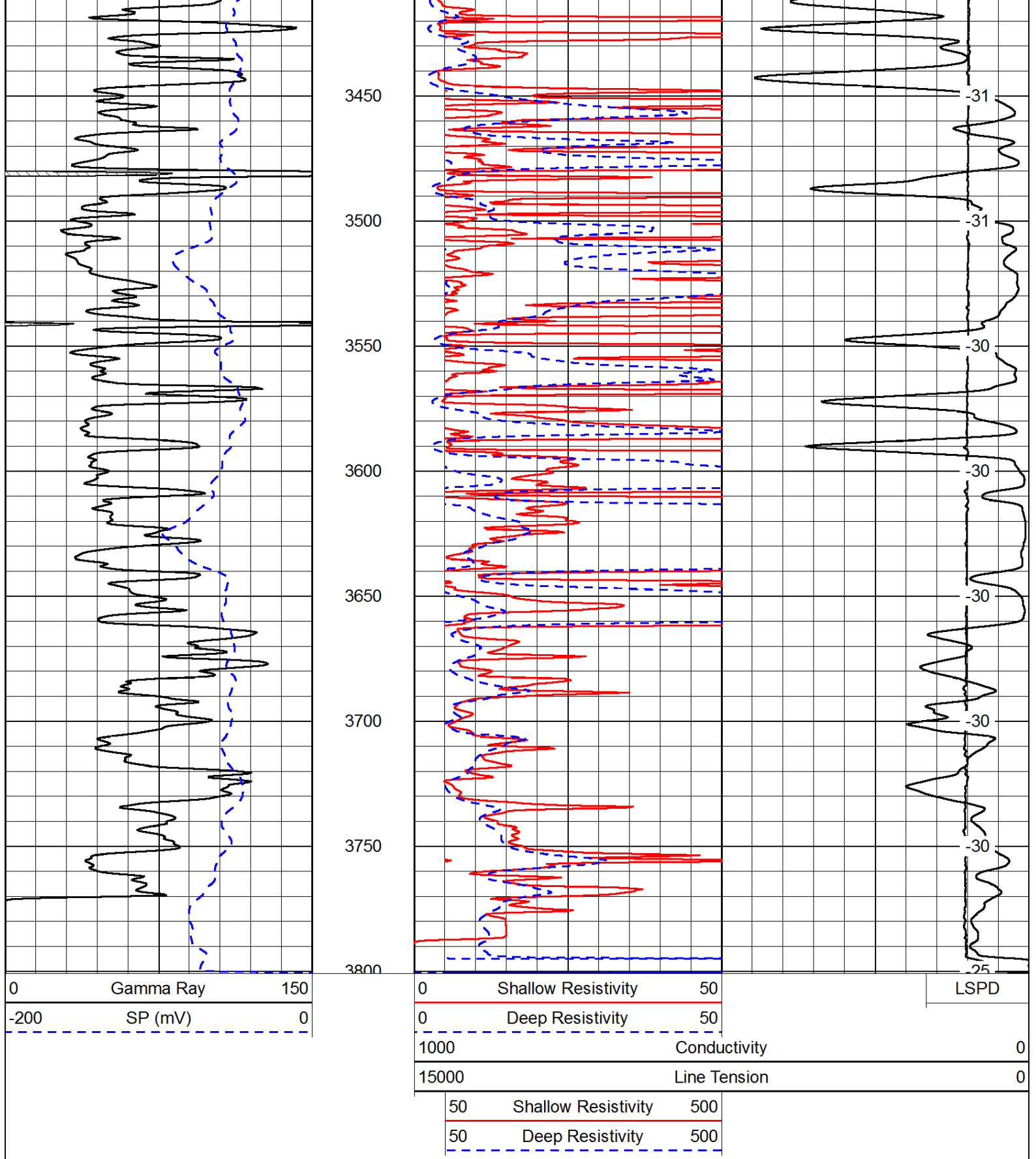




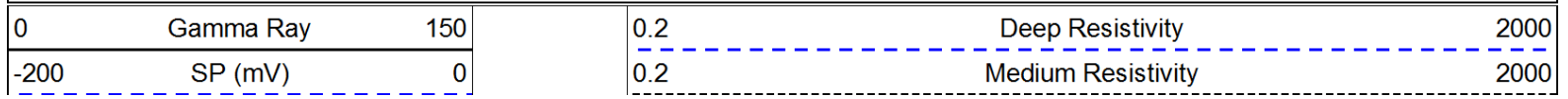


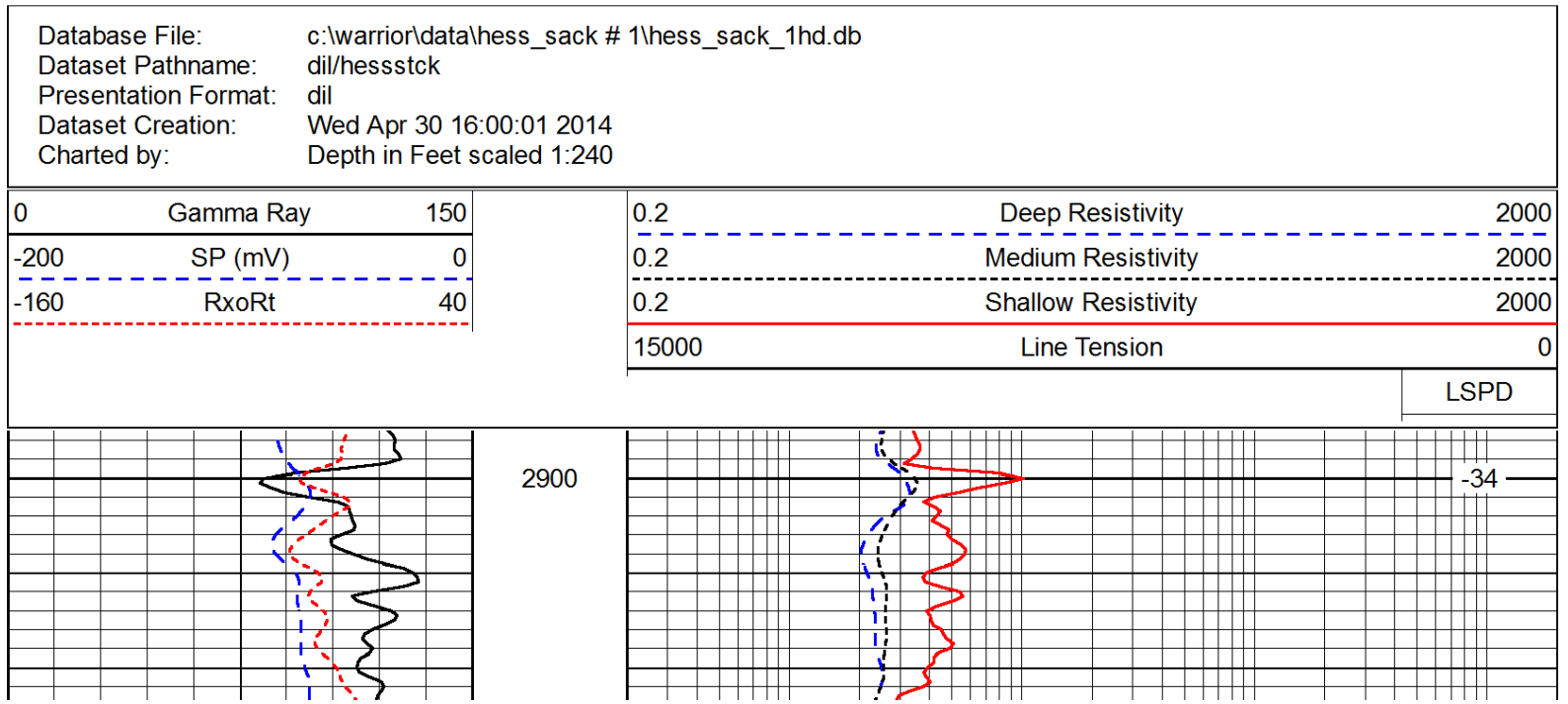
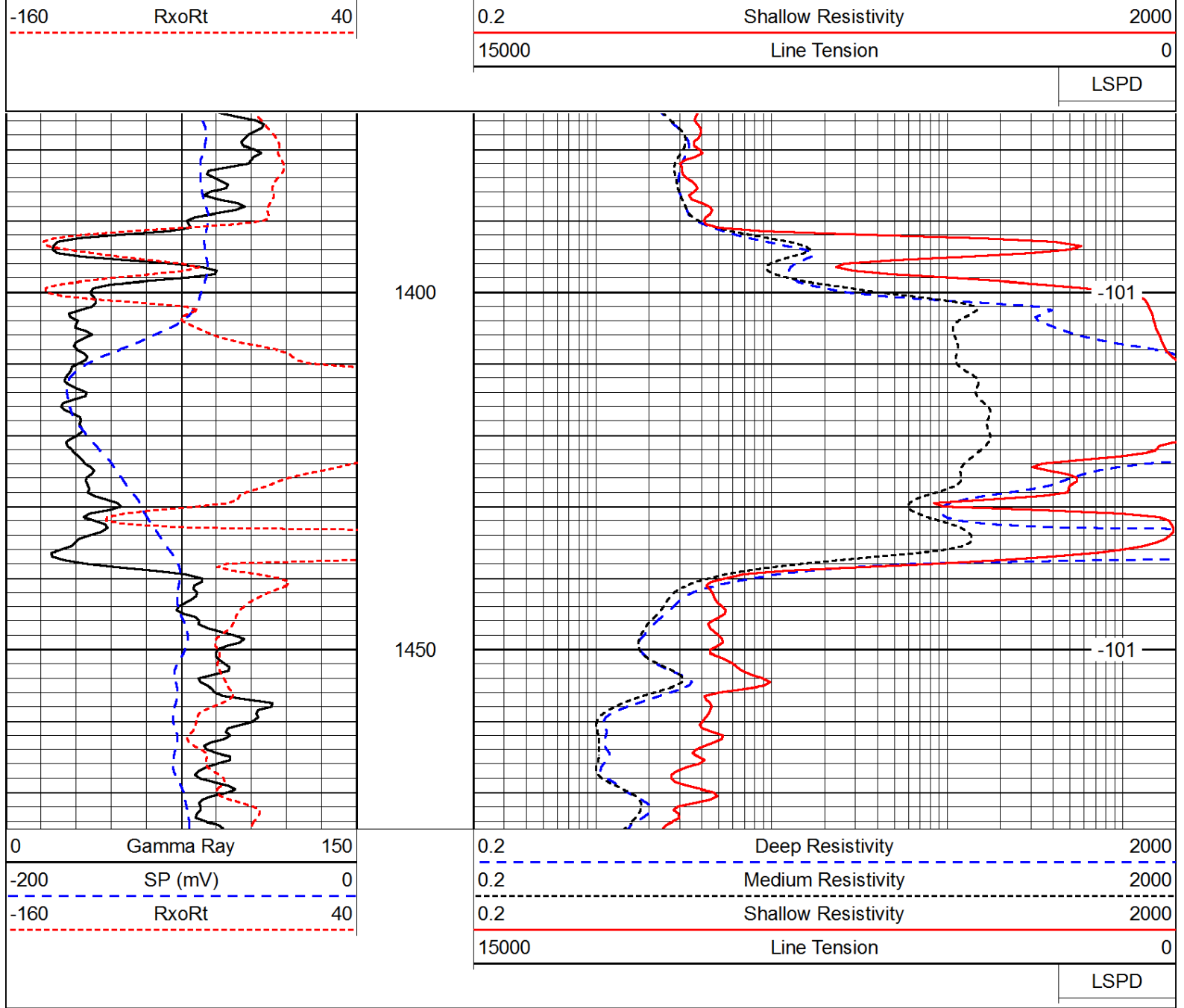


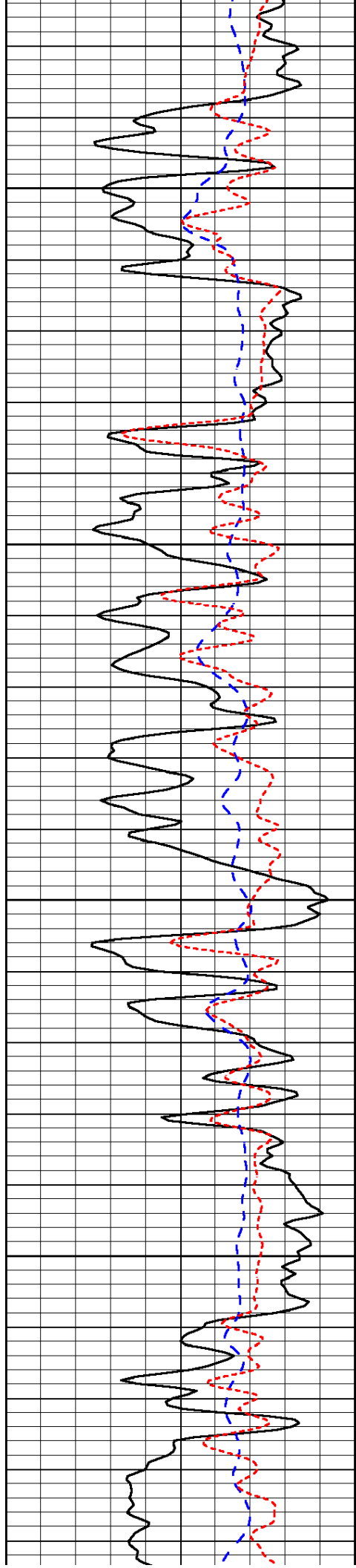




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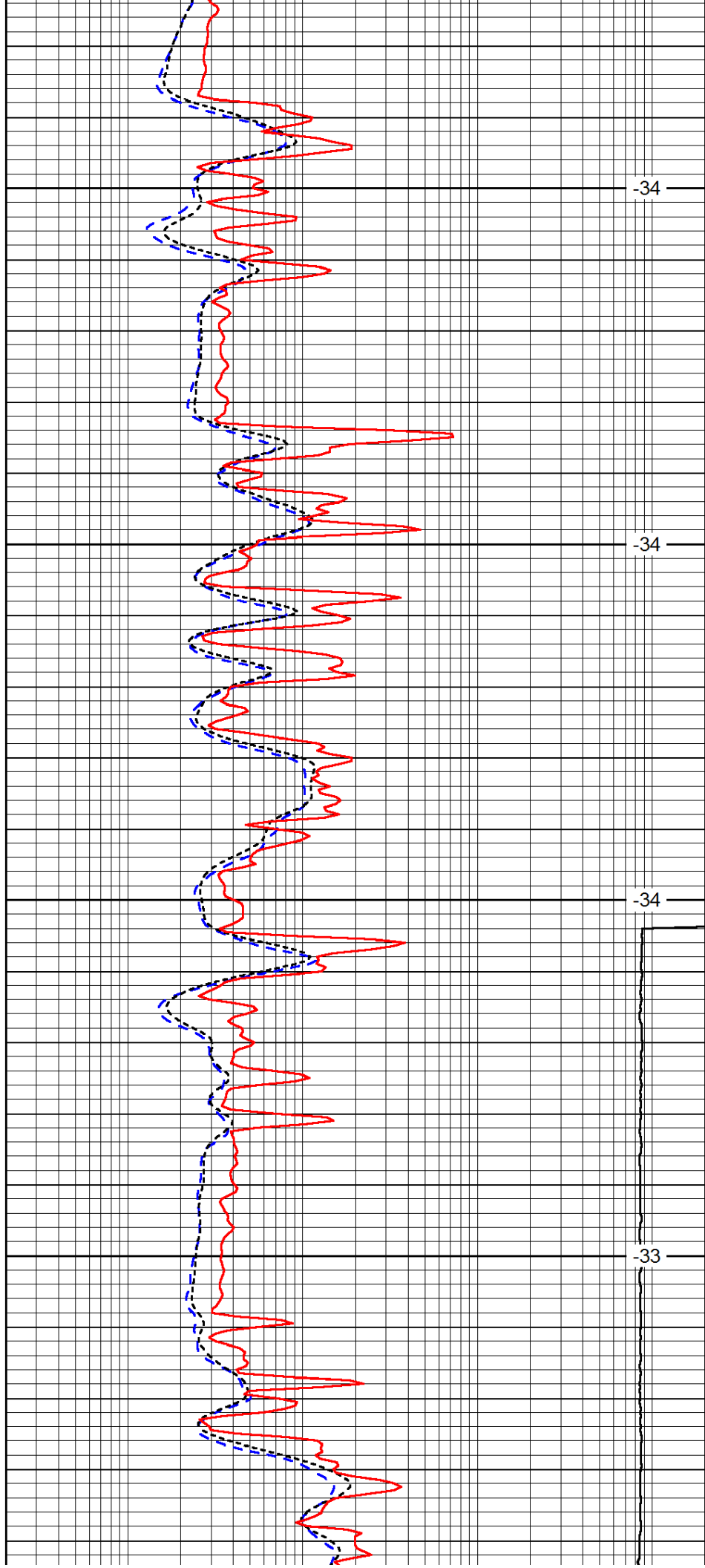


2950

3000

3050

3100

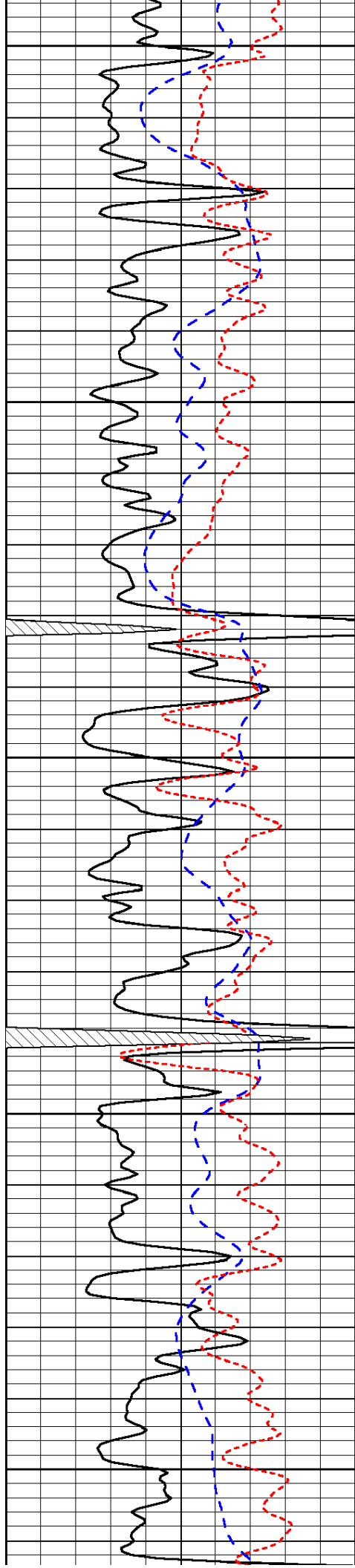


-34

-34

-34

-33



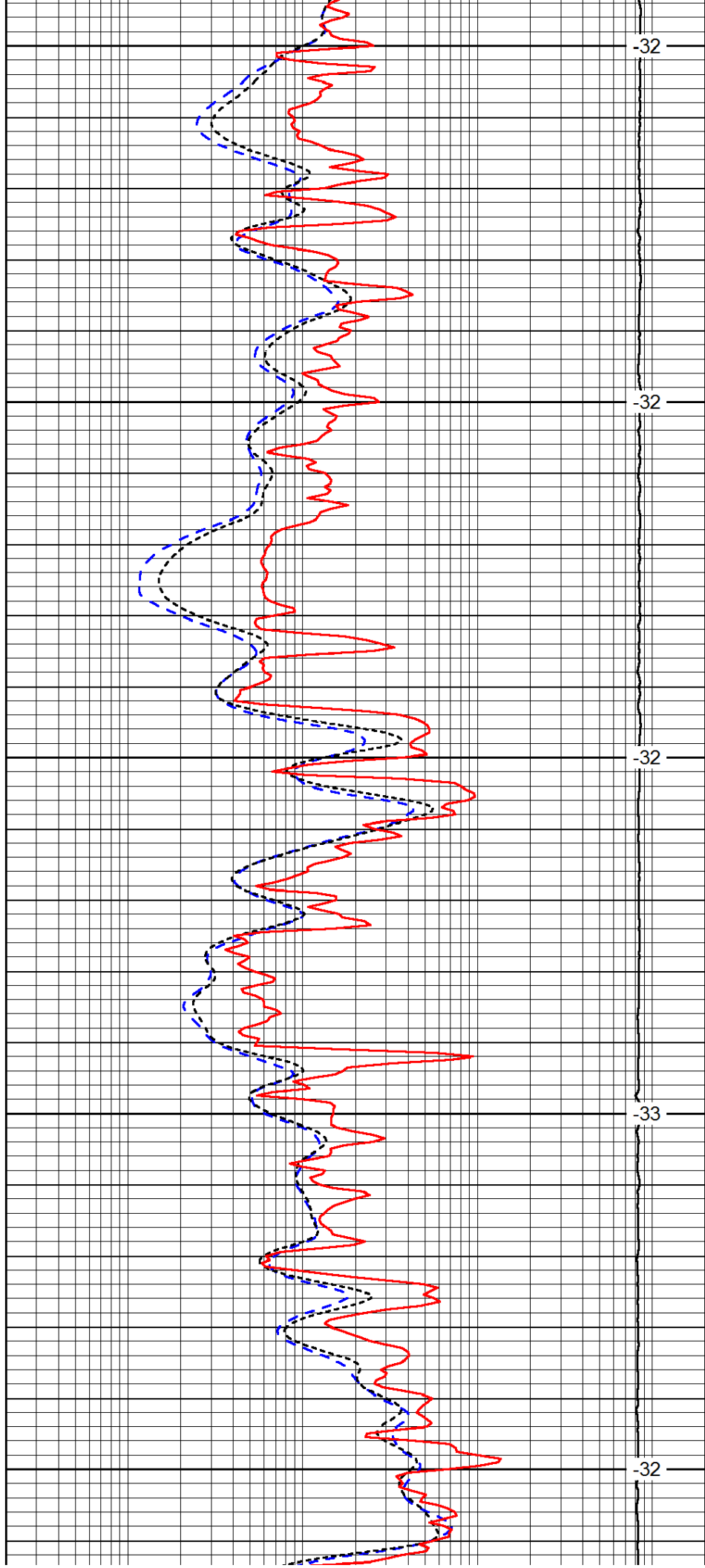
3150

3200

3250

3300

3350



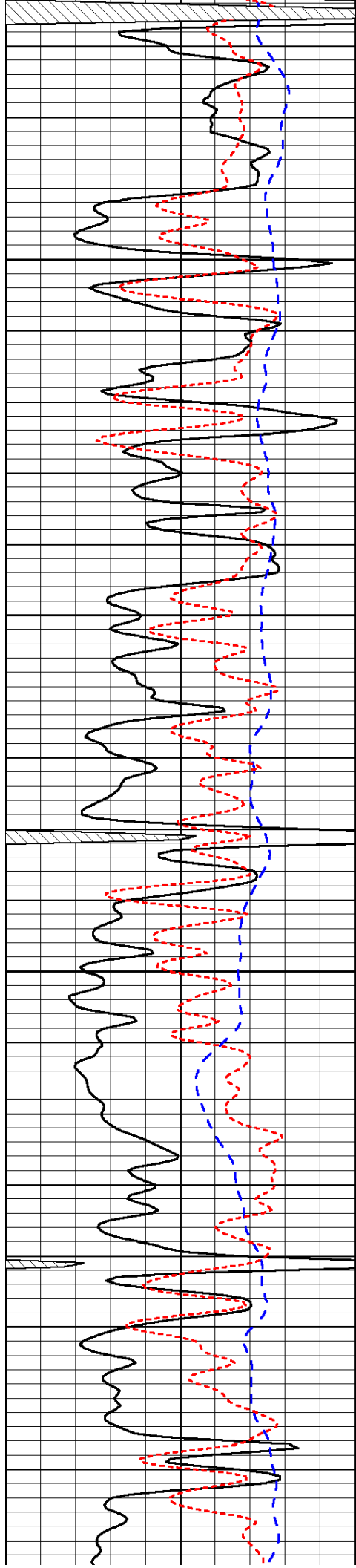
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-32

-32

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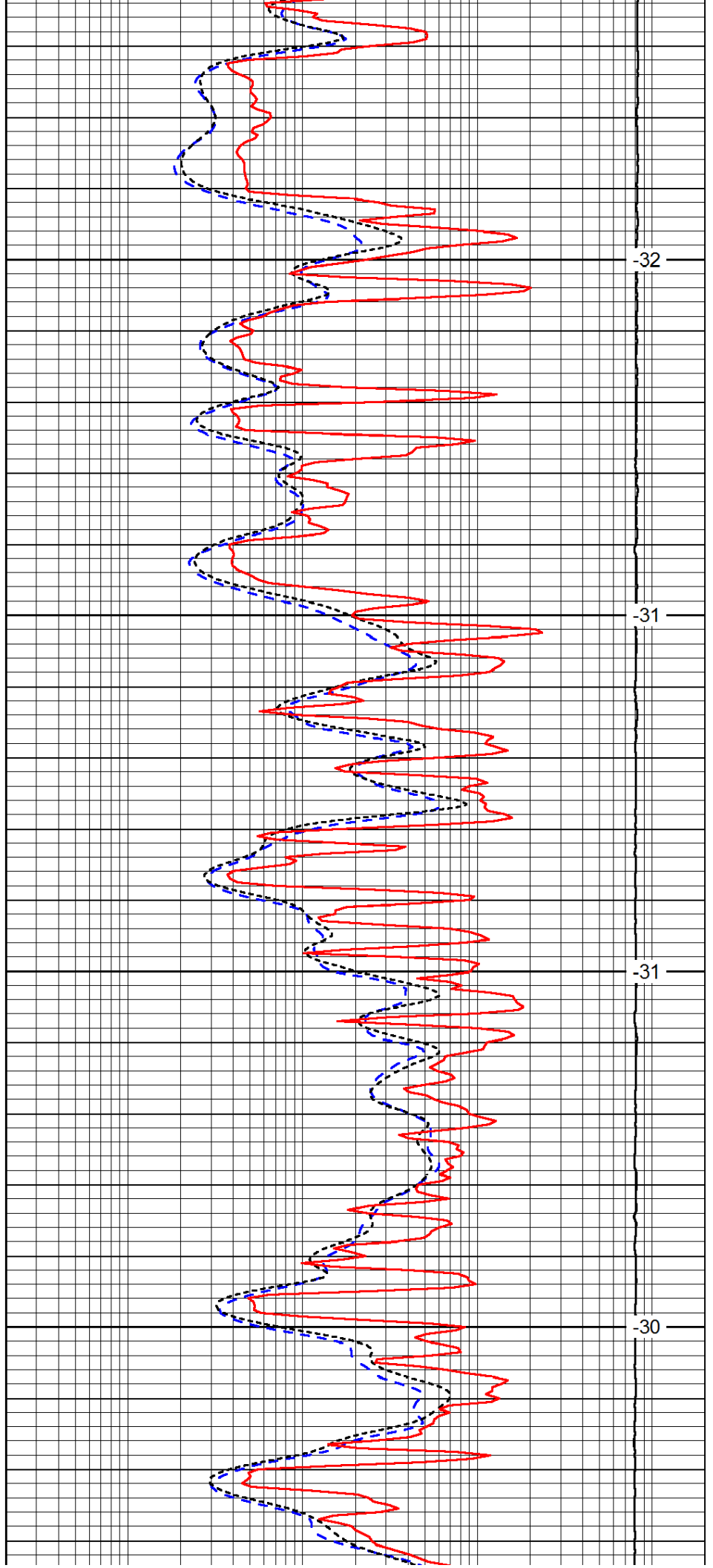


3400

3450

3500

3550

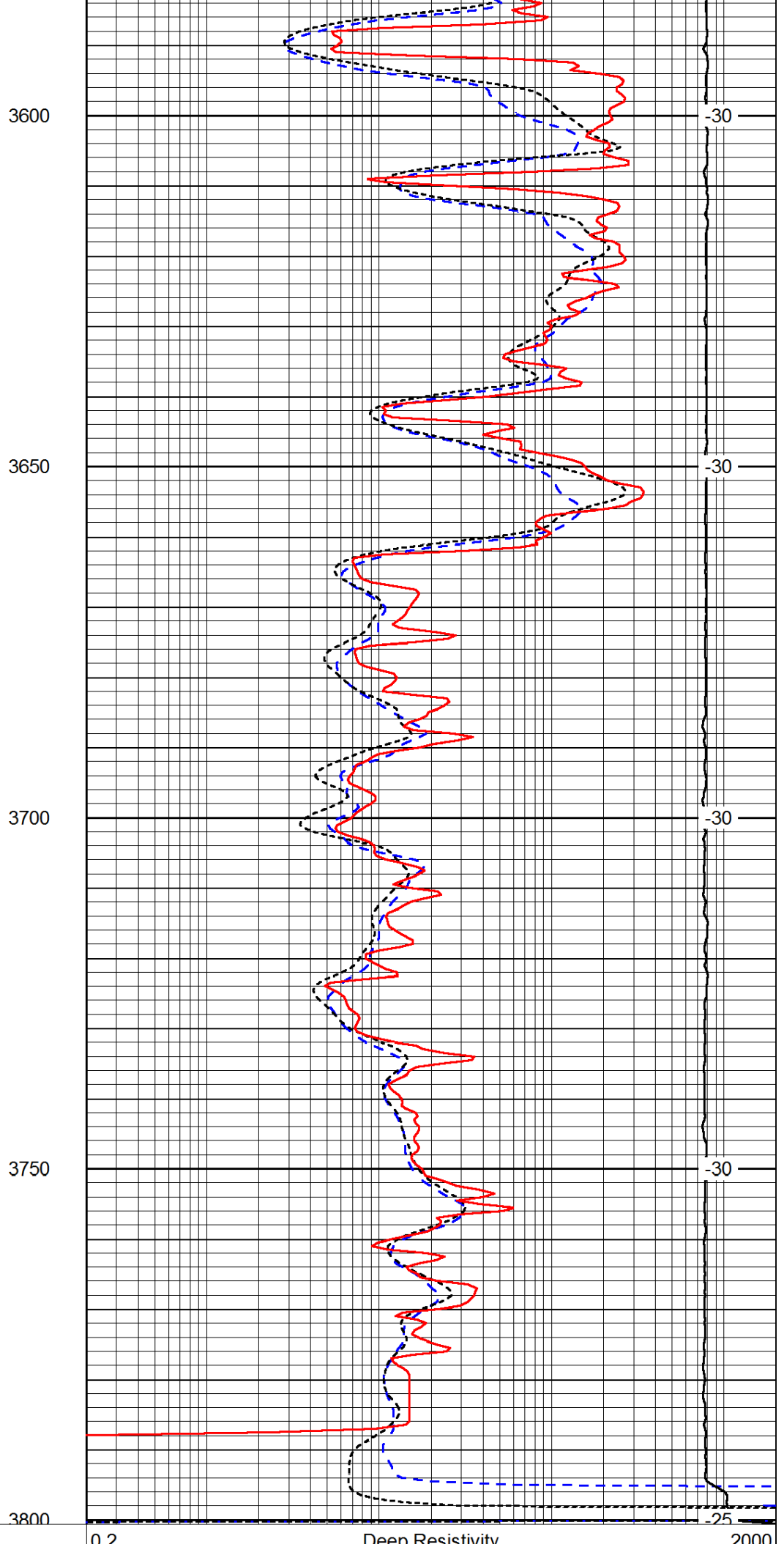
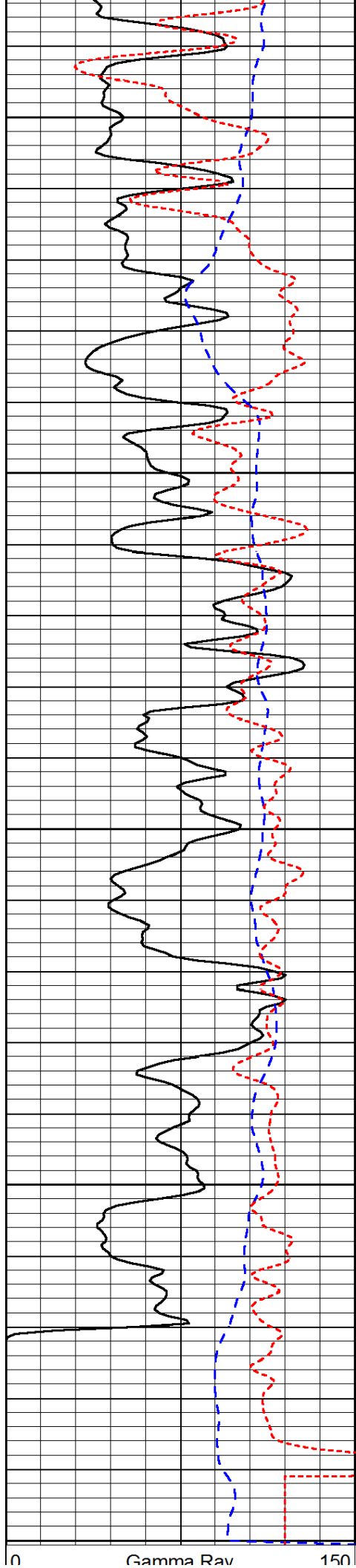


-32

-31

-31

-30



0	Gamma Ray	100
-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