



Pioneer Energy Services

# Dual Induction Log

API No.	15-167-23,821-00-00	
Company	Carmen Schmitt, Inc.	
Well	Ney Unit No. 7	
Field	Hall - Gurney	
County	Russell	State
Location	2518' FNL & 2300' FWL	
Sec:	32	Twp: 15 S Rge: 12 W
Other Services	CNL/CDL MEL	
Elevation	K.B. 1859 D.F. 1854 G.L. 1854	

Permanent Datum	Ground Level	Elevation 1854
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	8/29/2012	
Run Number	One	
Depth Driller	3450	
Depth Logger	3452	
Bottom Logged Interval	3451	
Top Log Interval	550	
Casing Driller	8.625 @ 572	
Casing Logger	572	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5000	
Density / Viscosity	9.1	50
pH / Fluid Loss	10.0	9.2
Source of Sample	Flowline	
Rm @ Meas. Temp	.80 @ 80	
Rmf @ Meas. Temp	.60 @ 80	
Rmc @ Meas. Temp	1.08 @ 80	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.58 @ 111	
Operating Rig Time	3 1/2 Hours	
Max Rec. Temp. F	111	
Equipment Number	17	
Location	Hays	
Recorded By	D. Martin	
Witnessed By	Derek Patterson	

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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  
 Russell, KS  
 10 1/2 S to Michalis Rd.,  
 8 1/2 E to 194 Rd.,  
 1/2 S, E Into

Database File: carhd.db  
 Dataset Pathname: DIL/carstk  
 Presentation Format: dil2in  
 Dataset Creation: Wed Aug 29 23:05:15 2012  
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150  
-200 SP 0

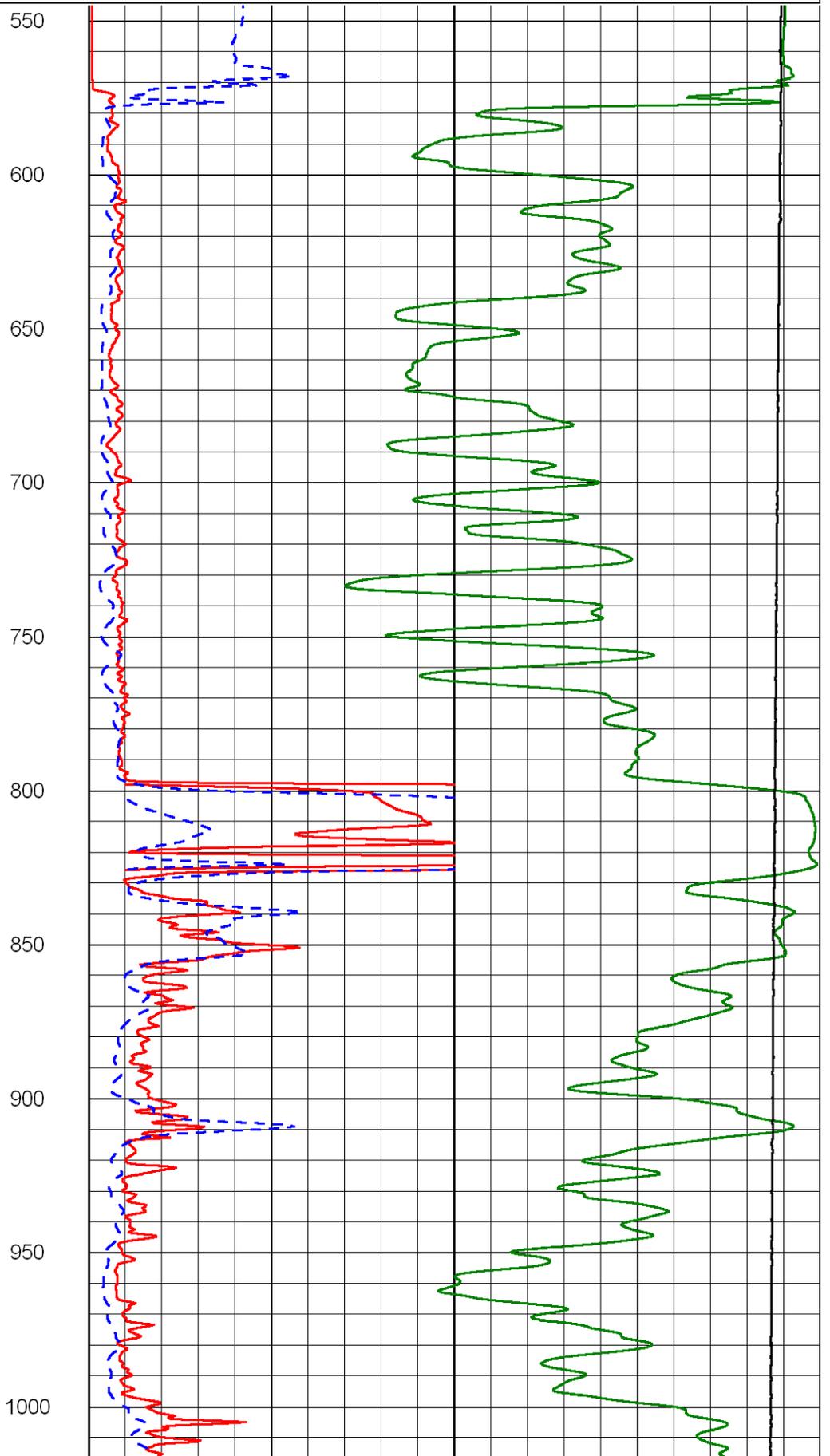
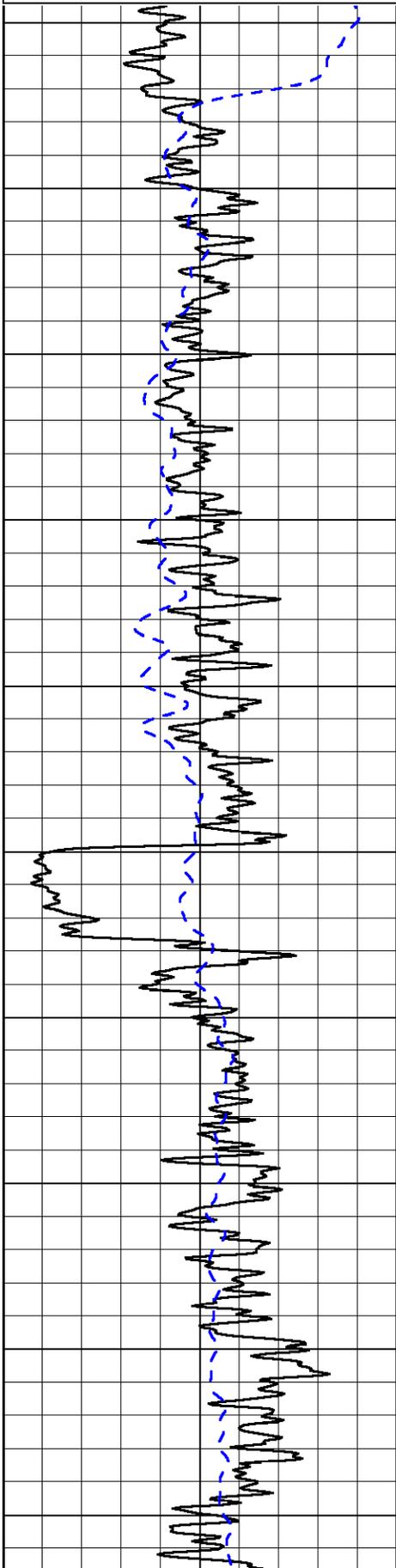
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0 Deep Resistivity 50

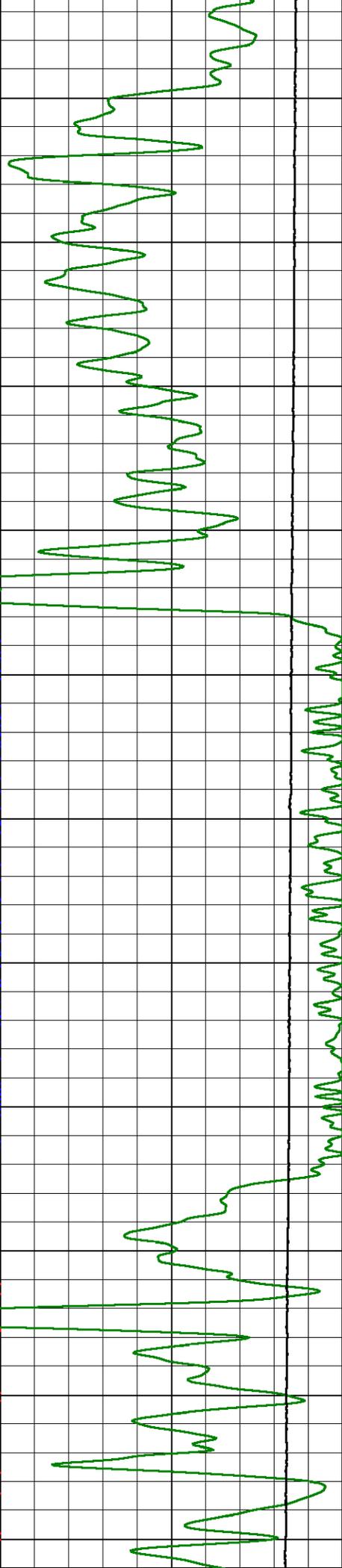
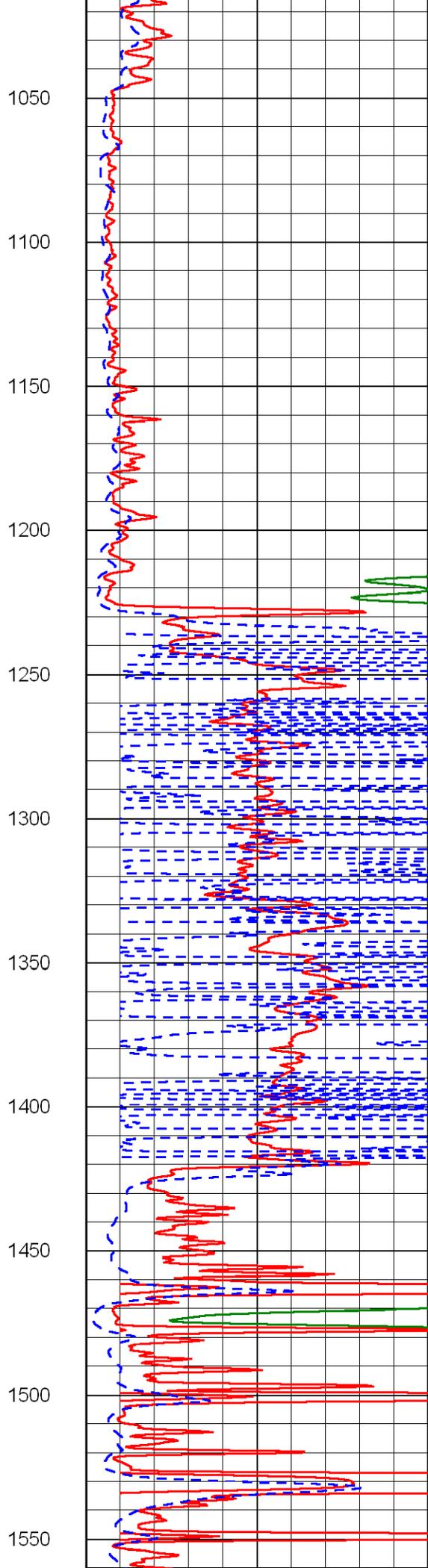
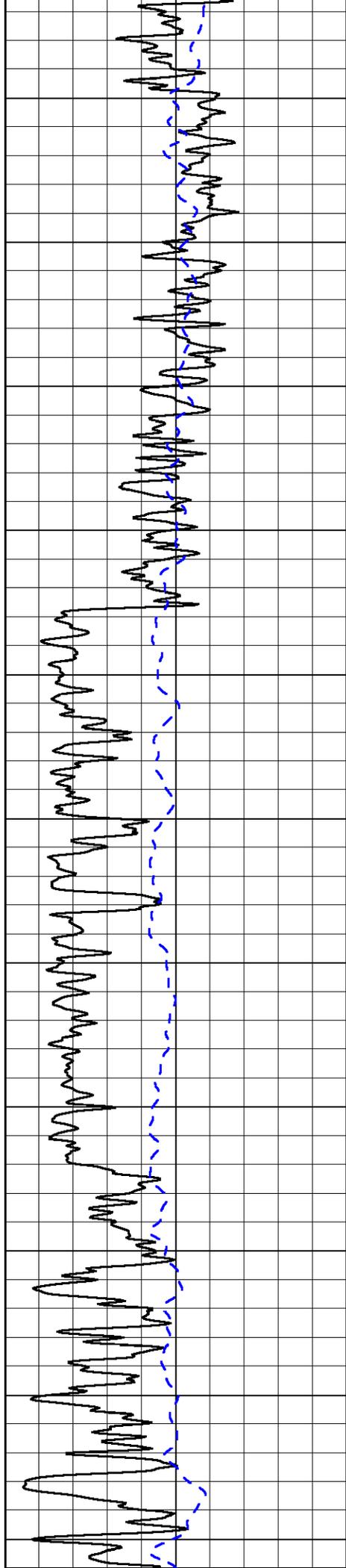
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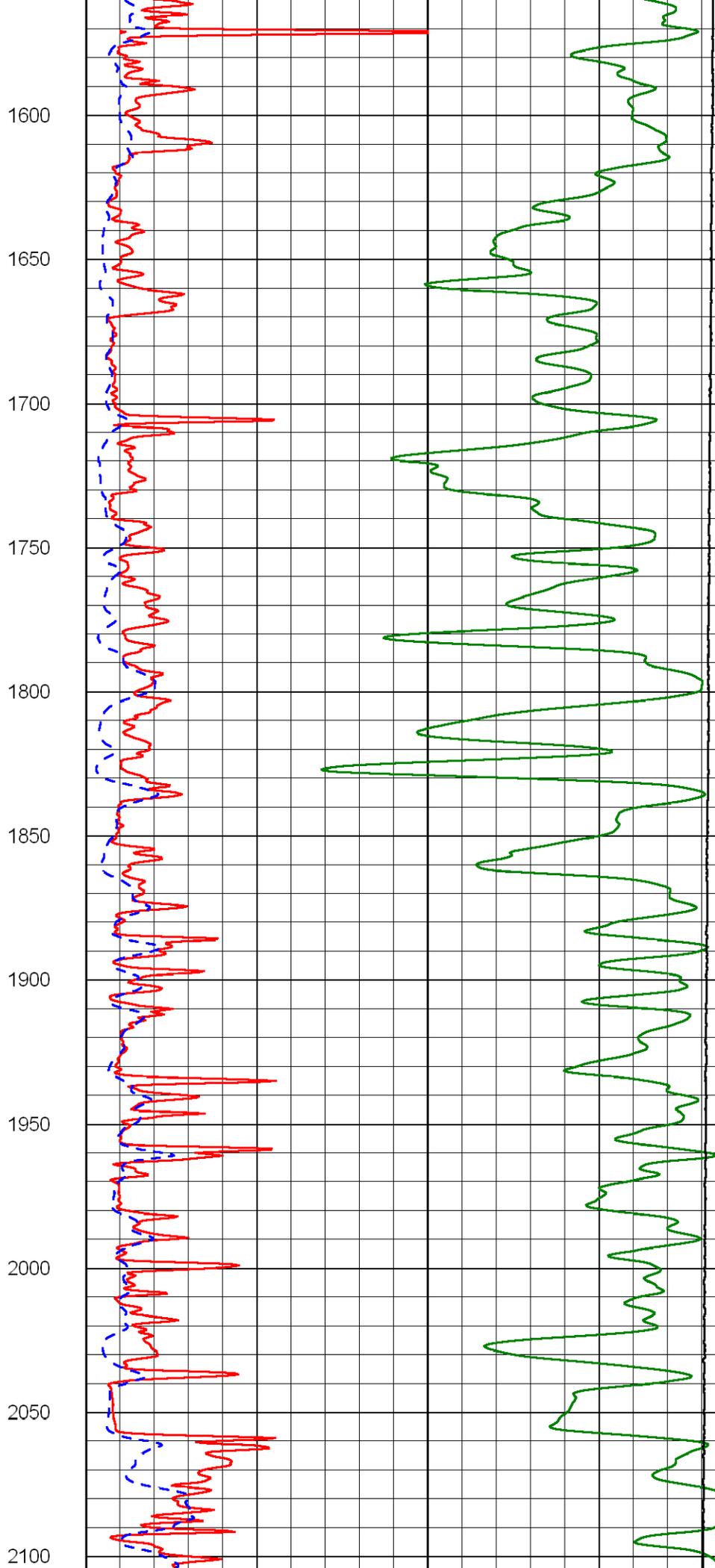
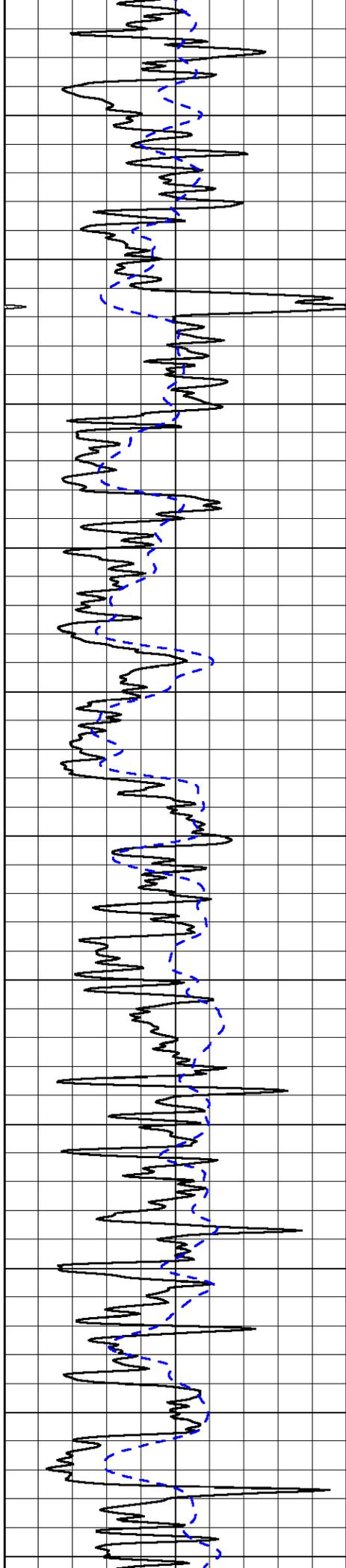
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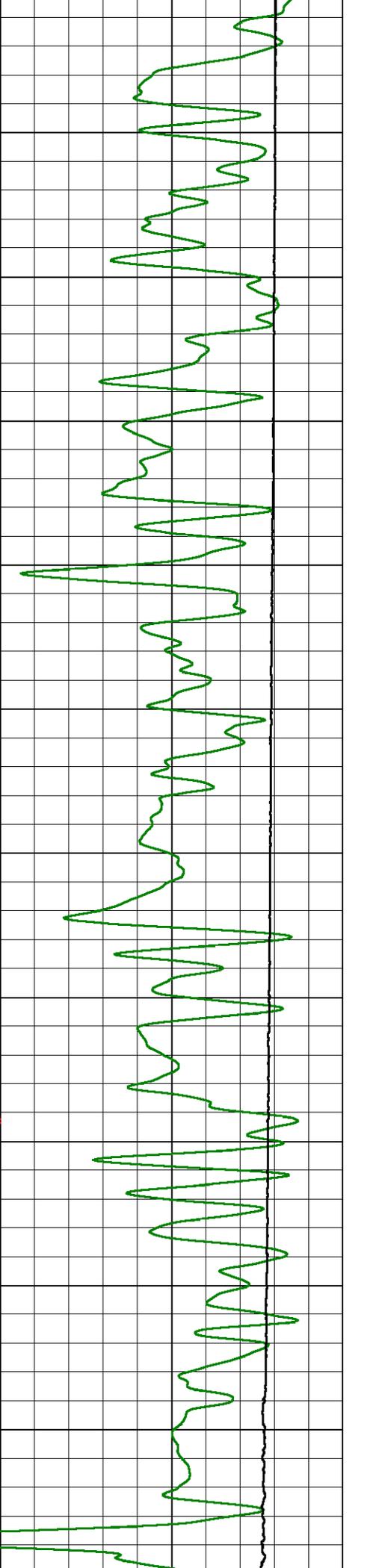
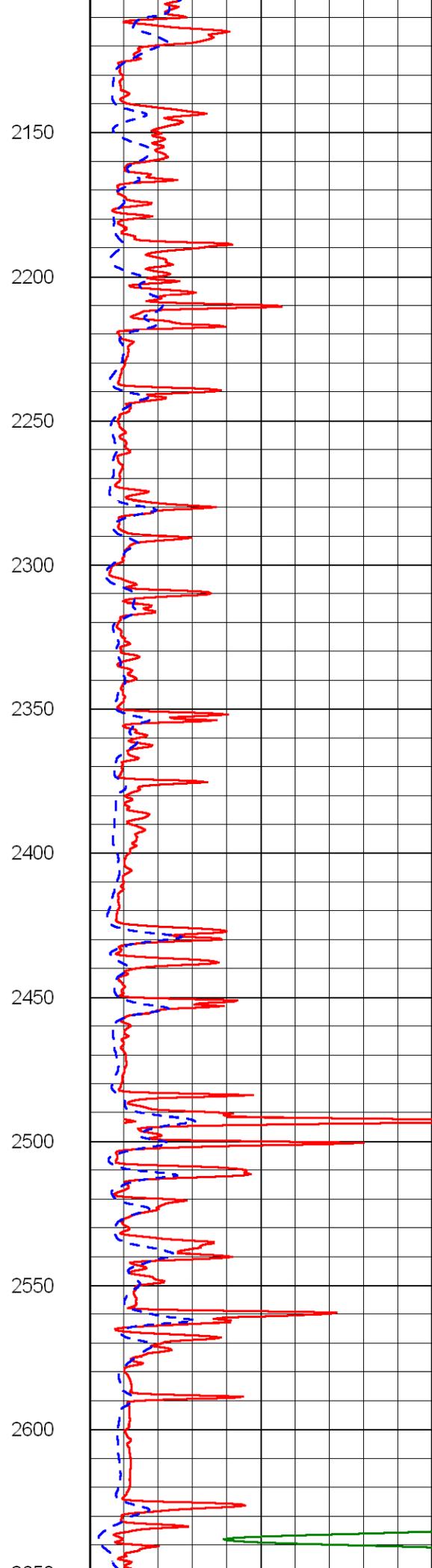
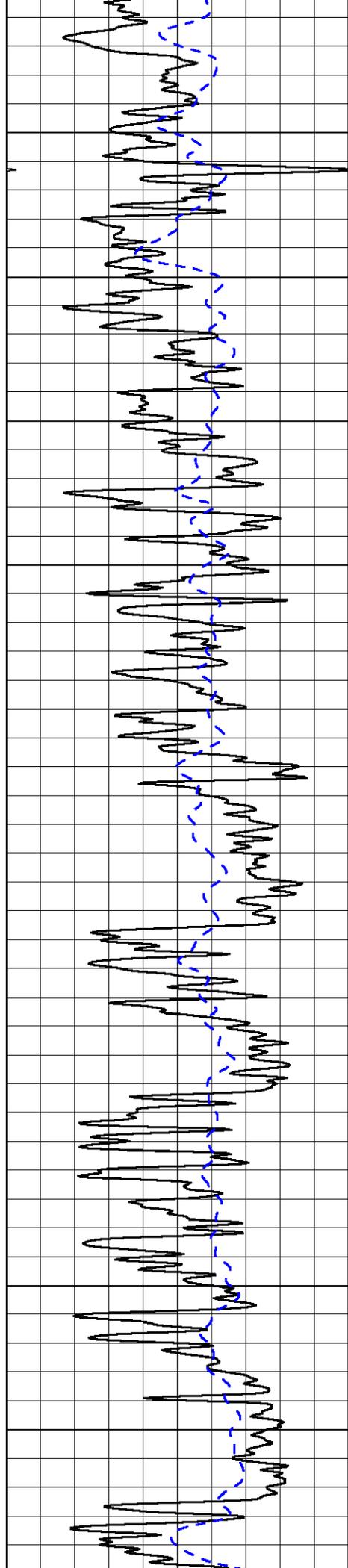
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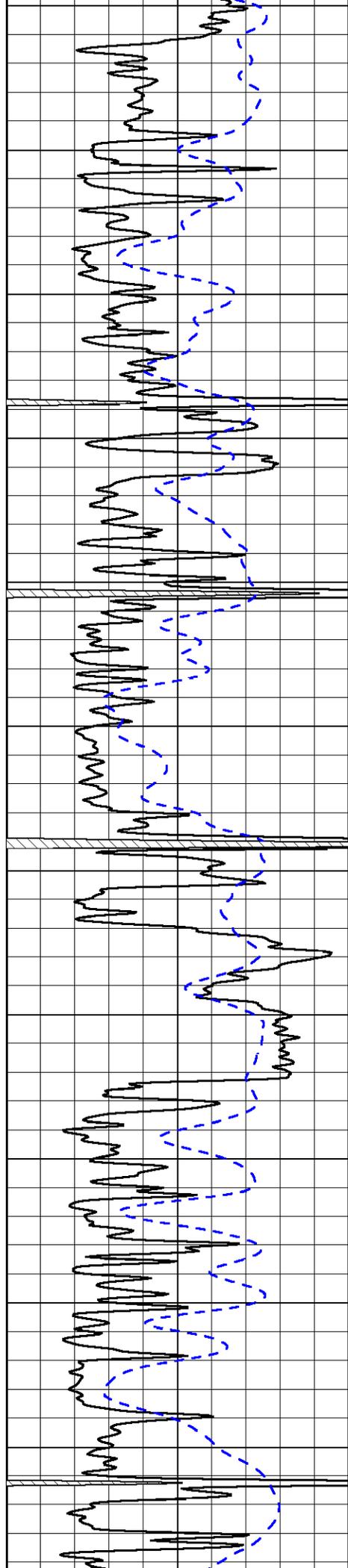
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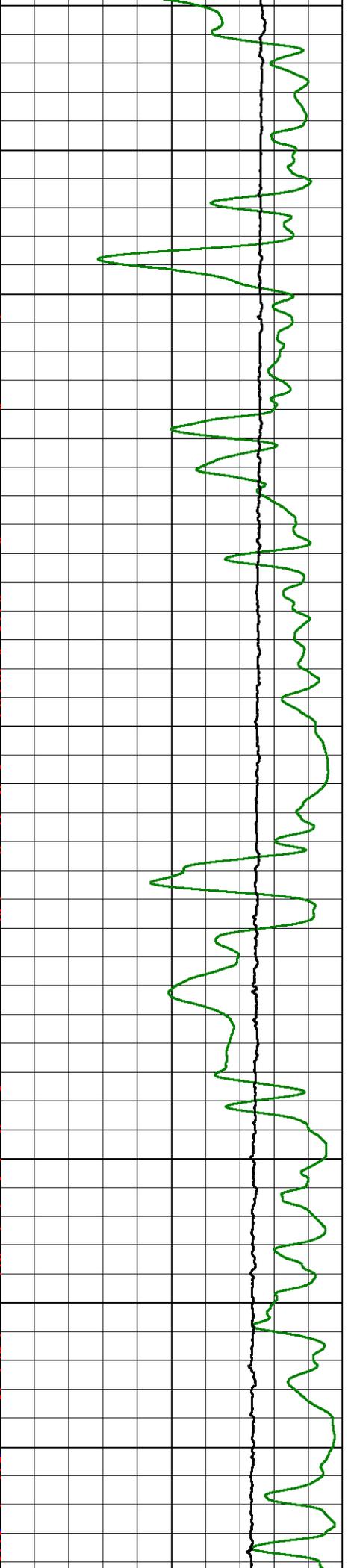
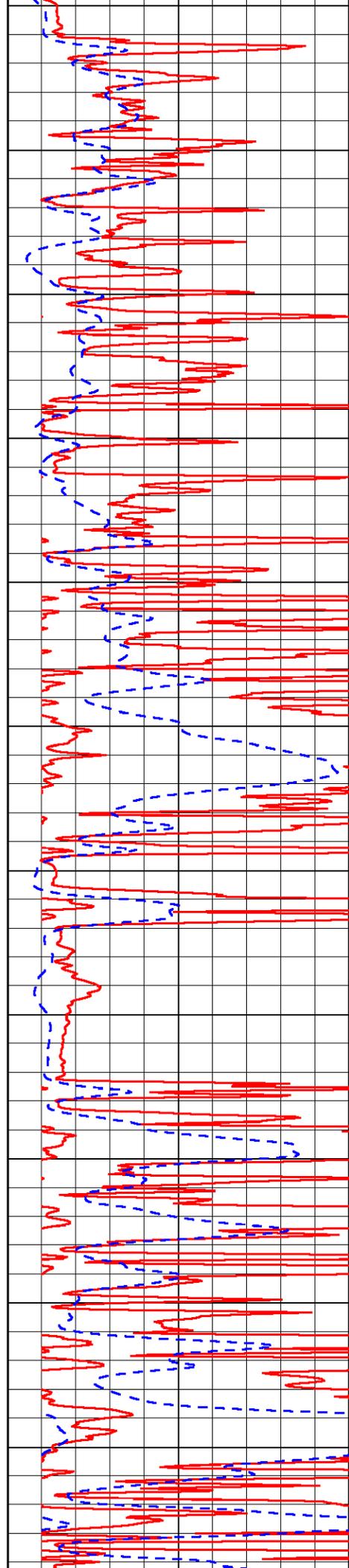


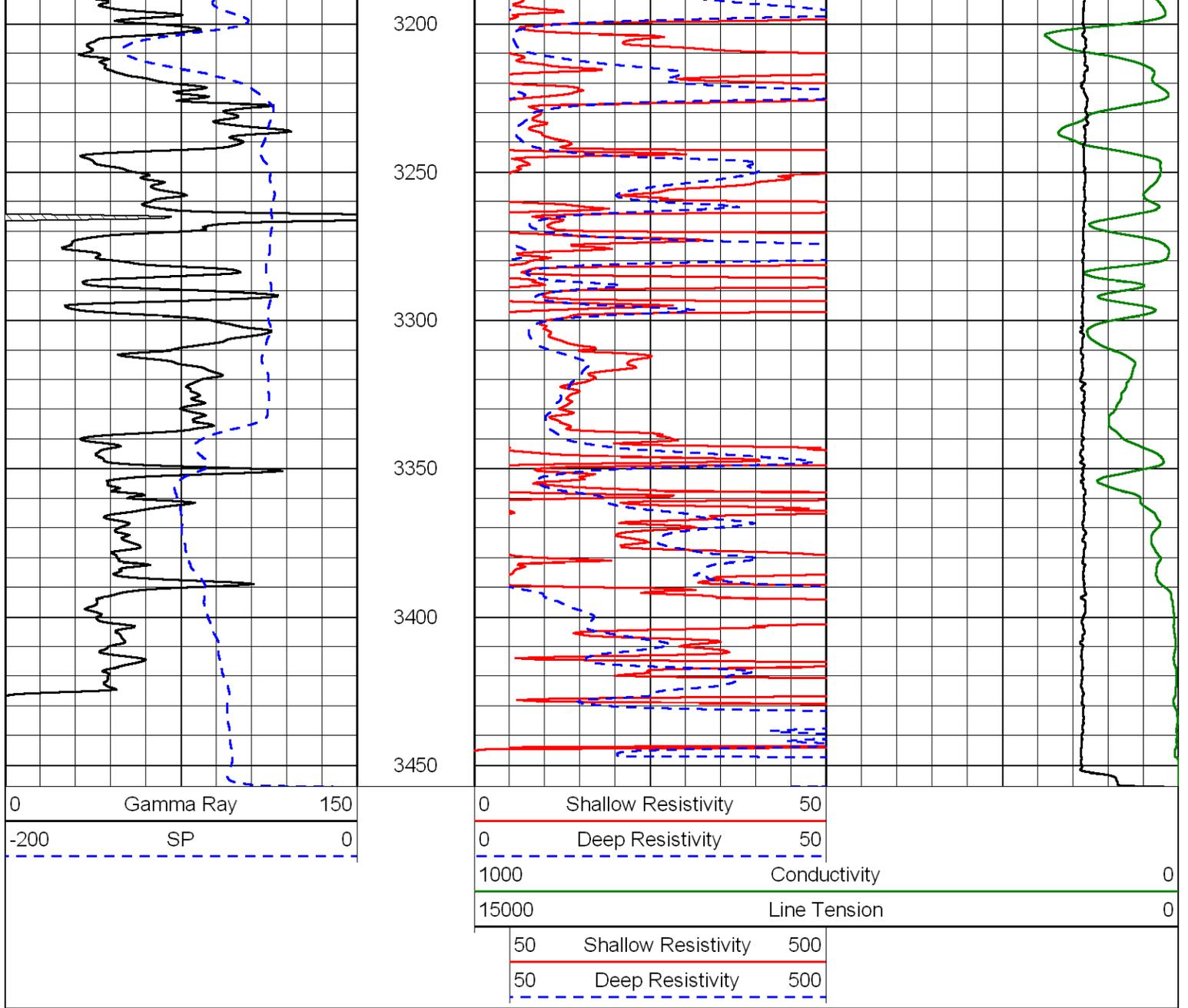




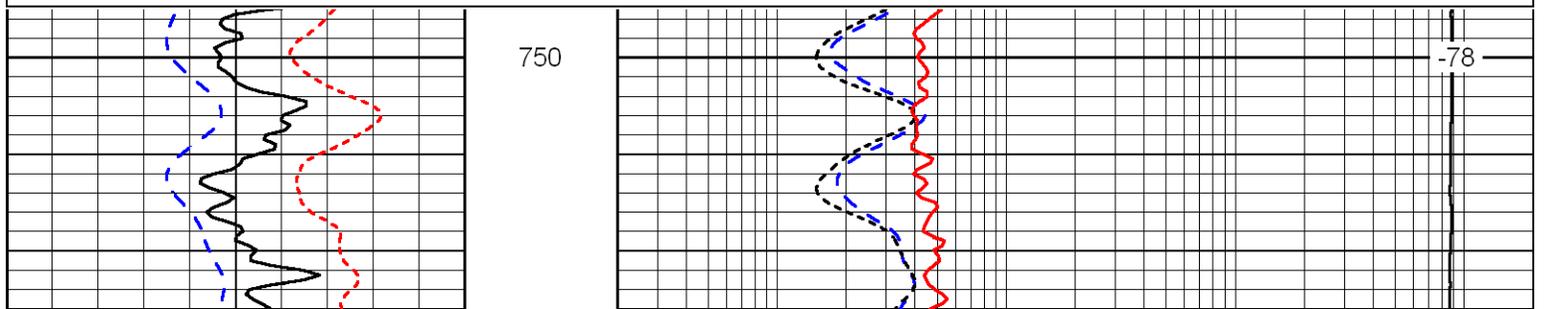
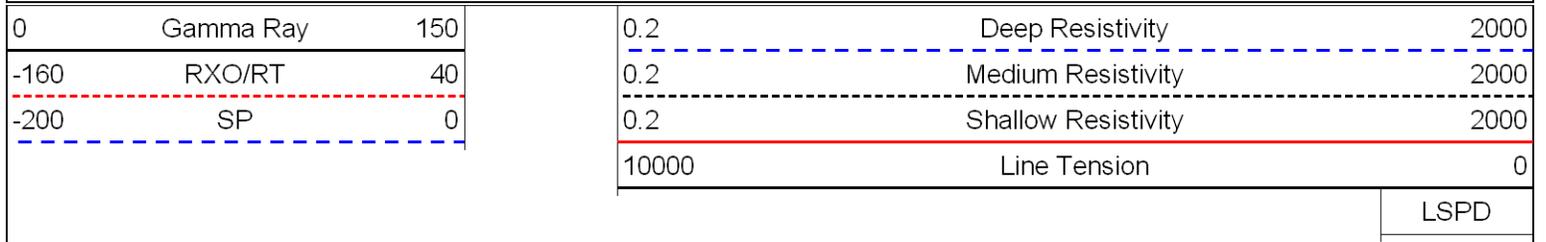


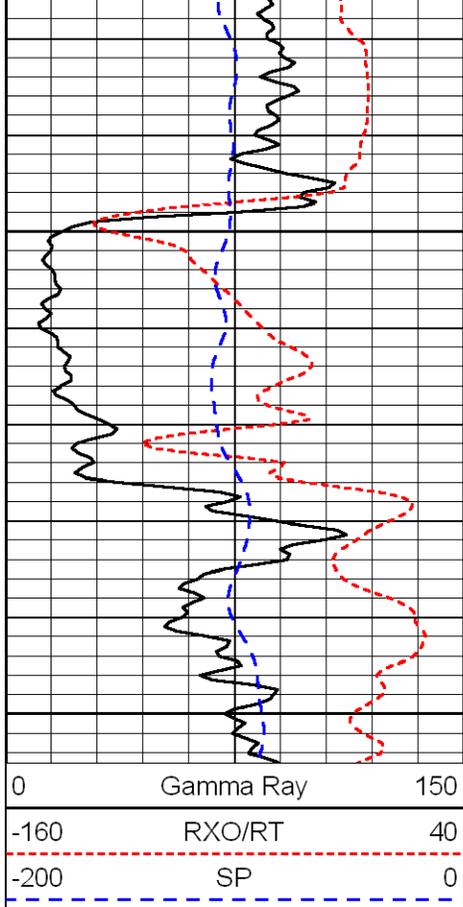
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2700  
2750  
2800  
2850  
2900  
2950  
3000  
3050  
3100  
3150





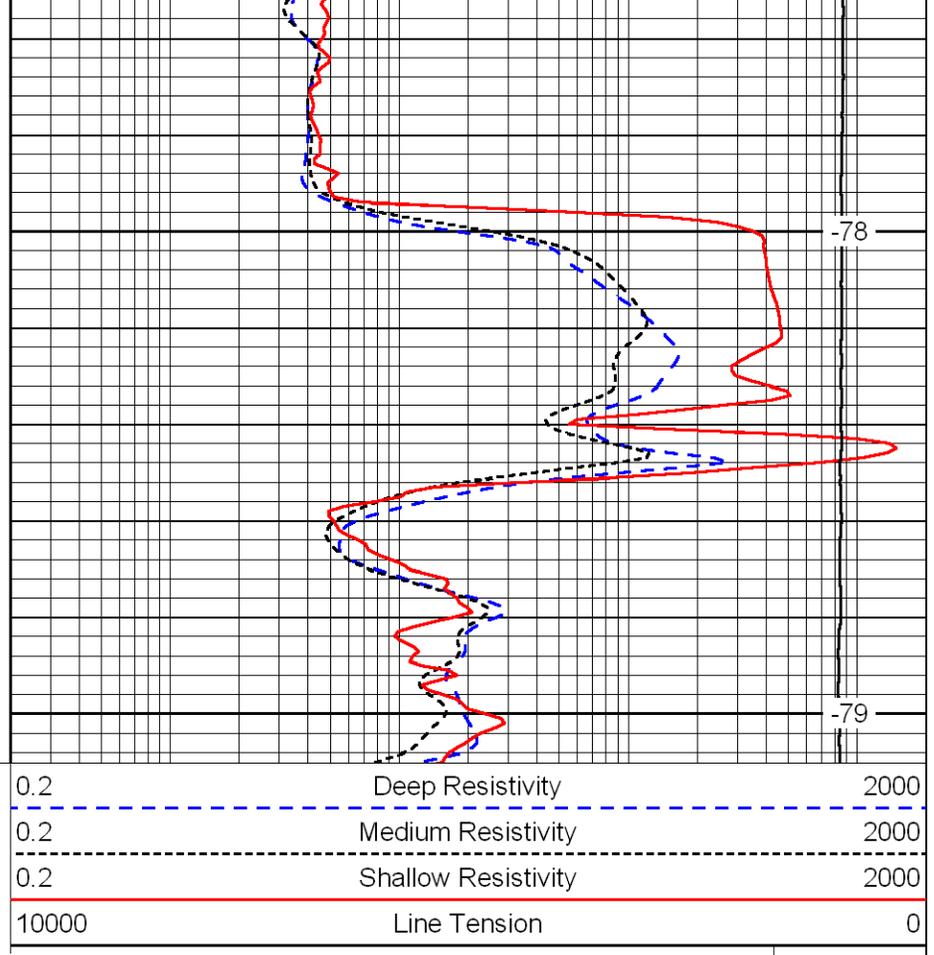
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800

850

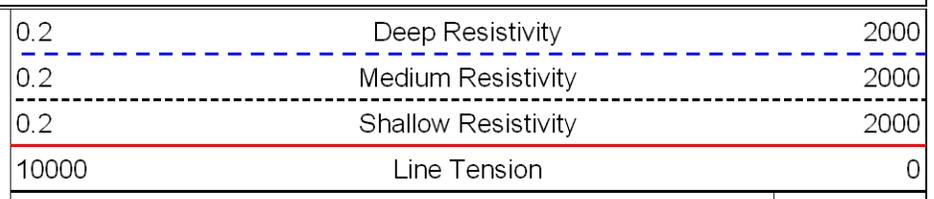
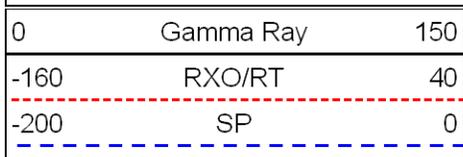


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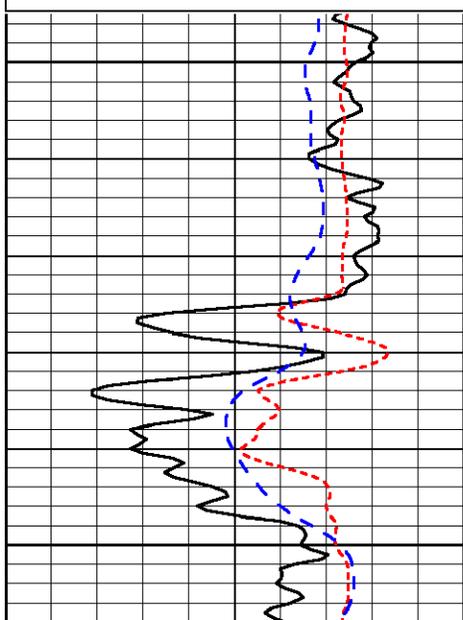
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LSPD

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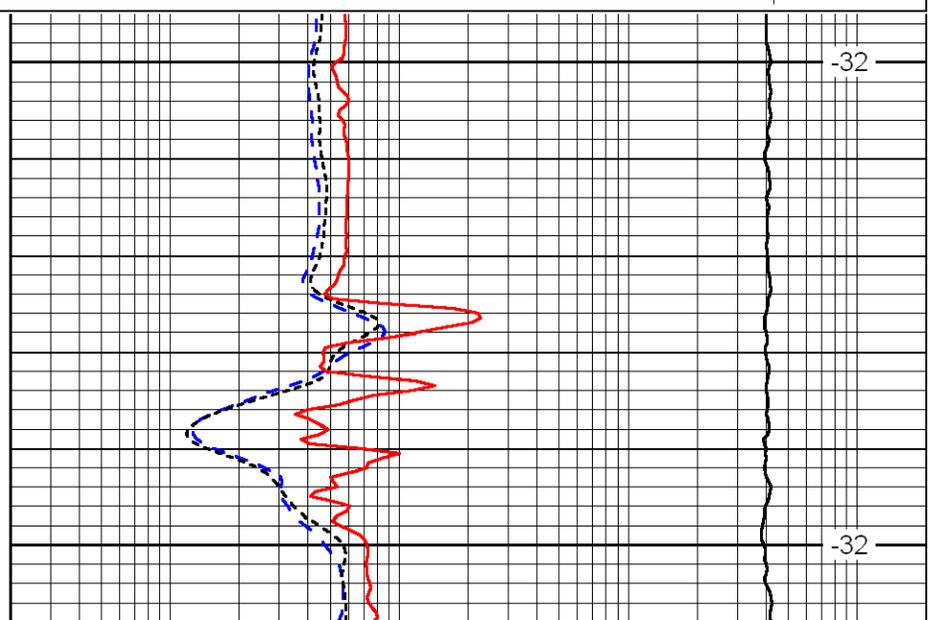


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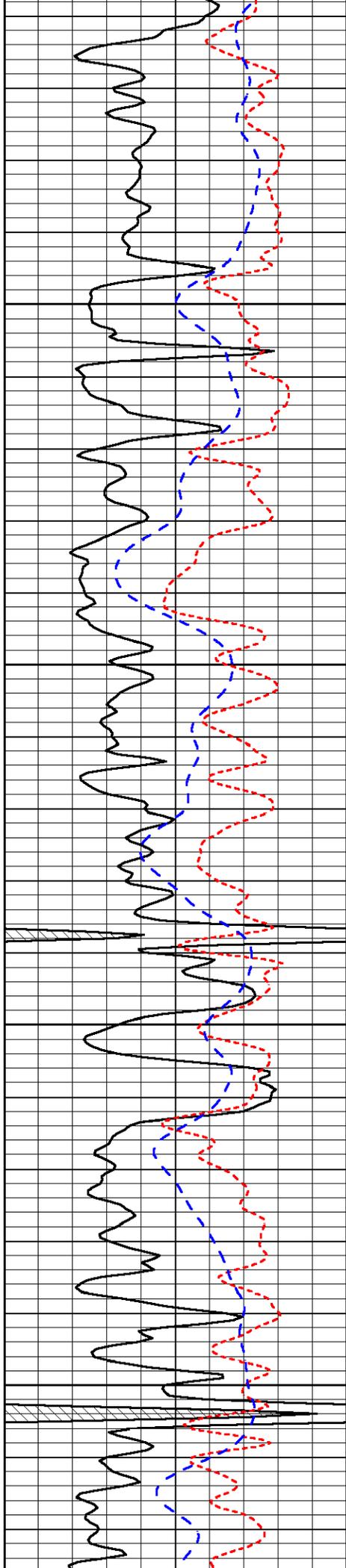
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2650



-32

-32

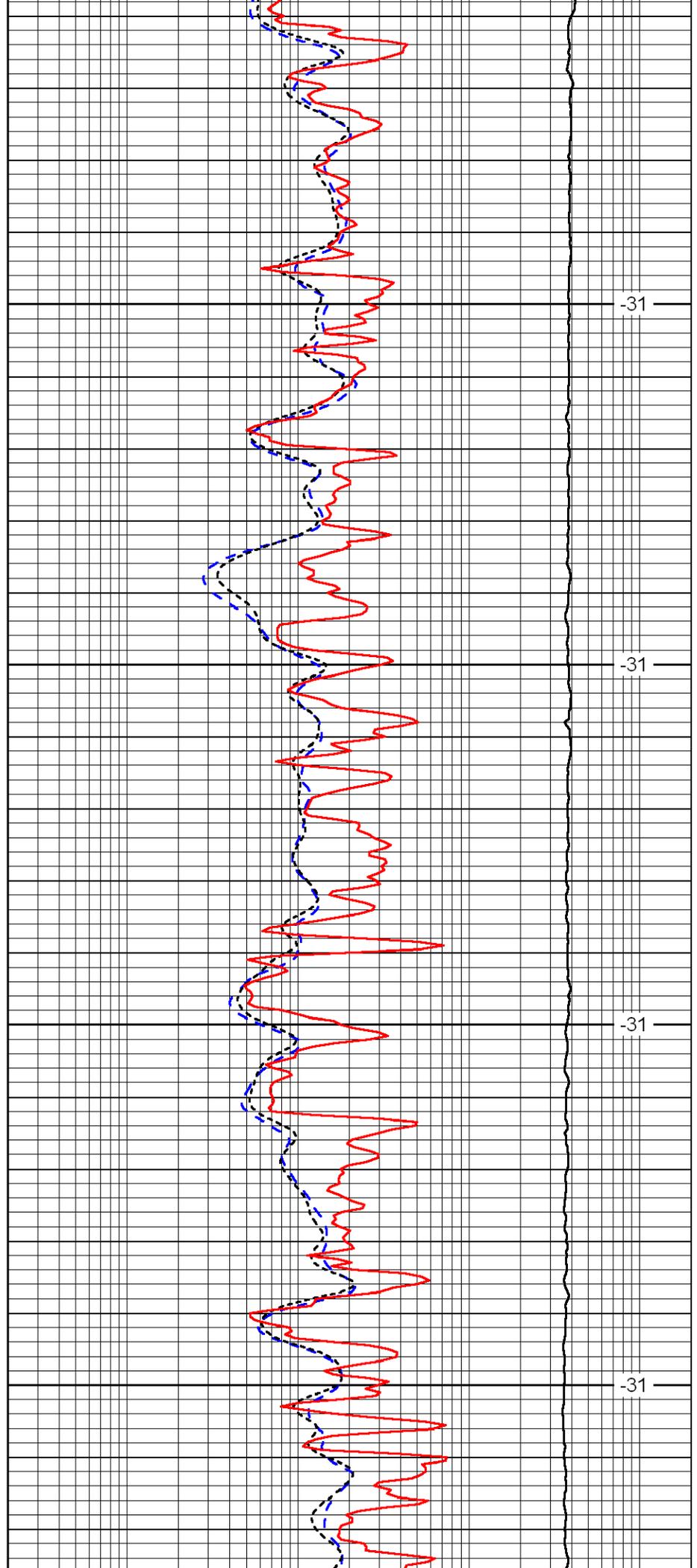


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2750

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2850

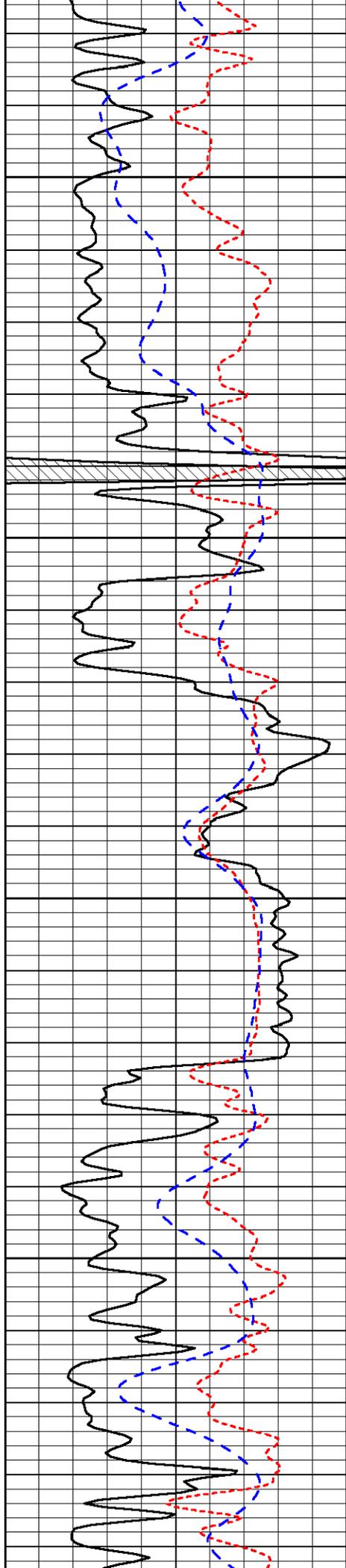


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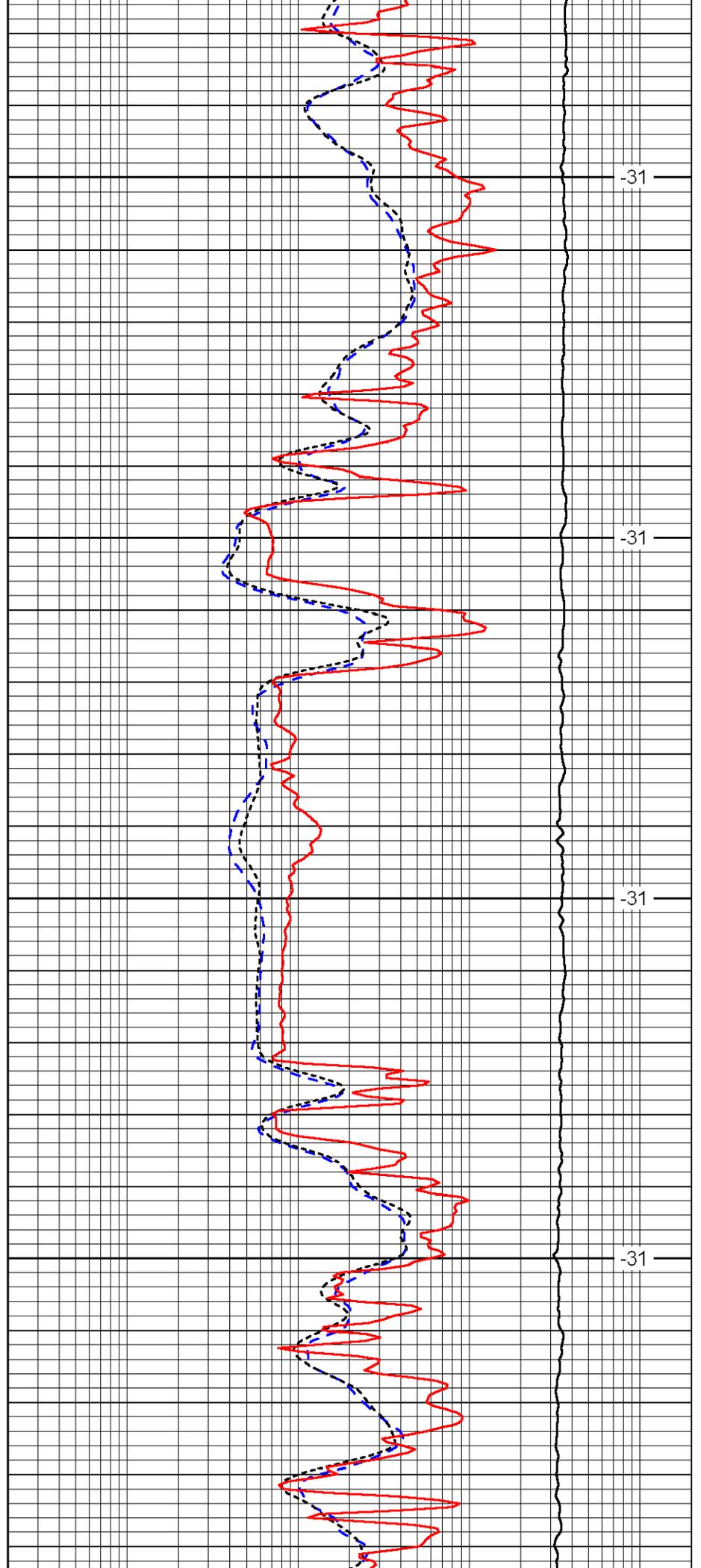


2900

2950

3000

3050

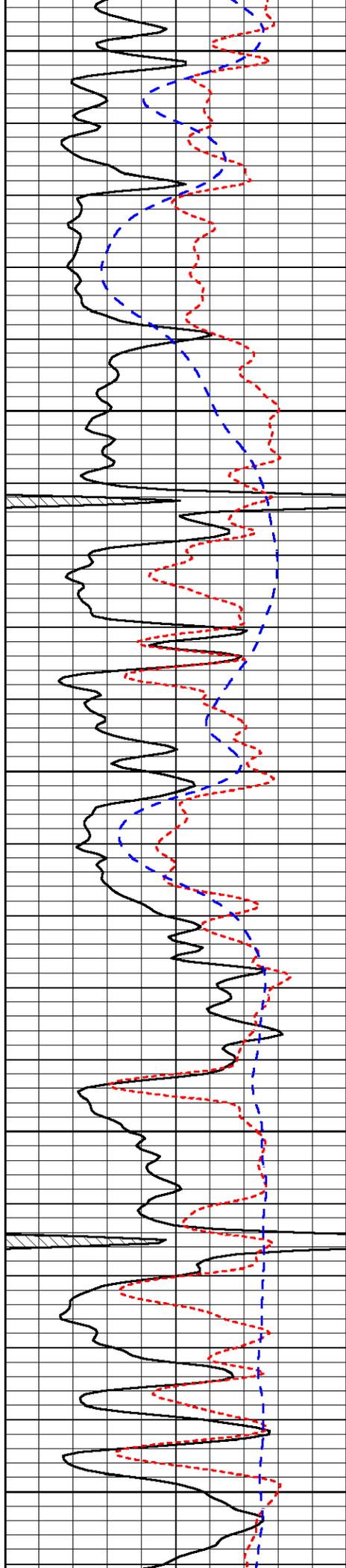


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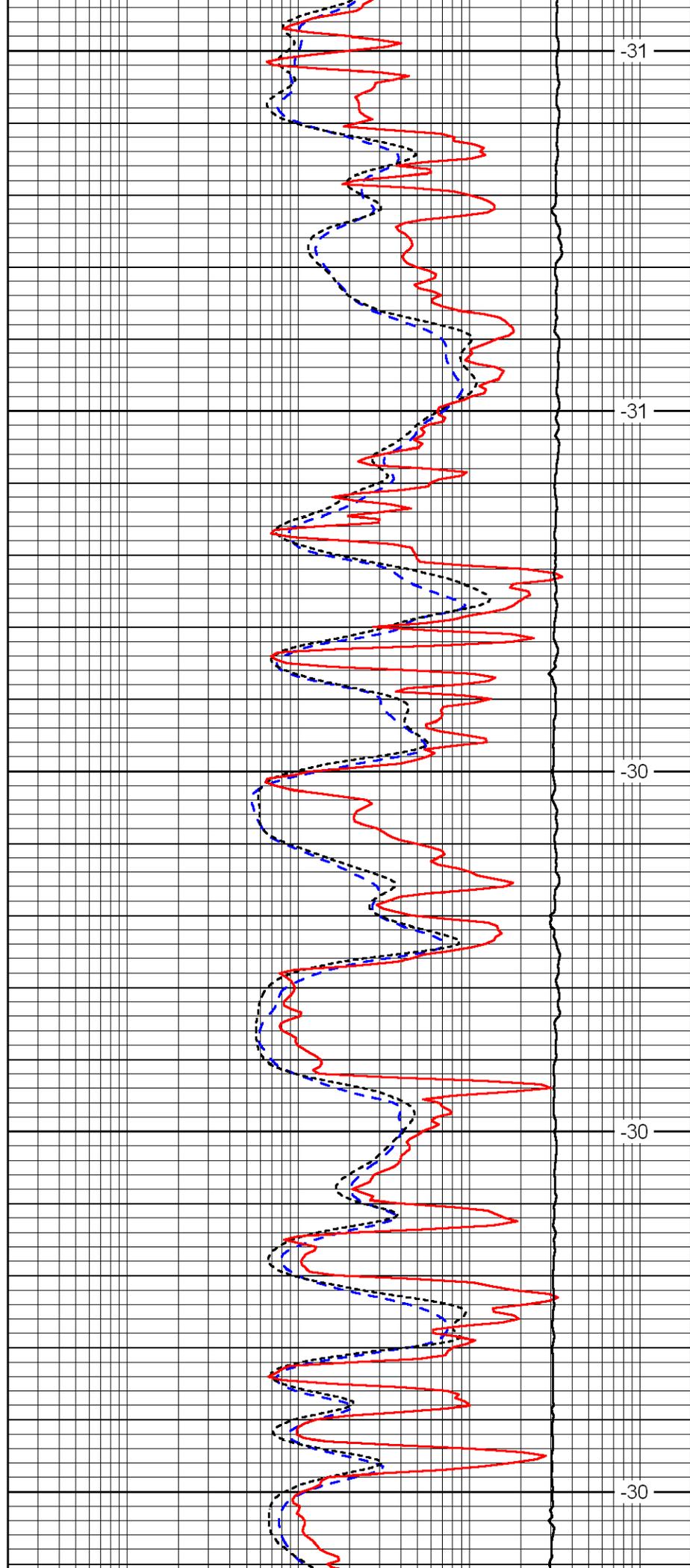
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3150

3200

3250

3300



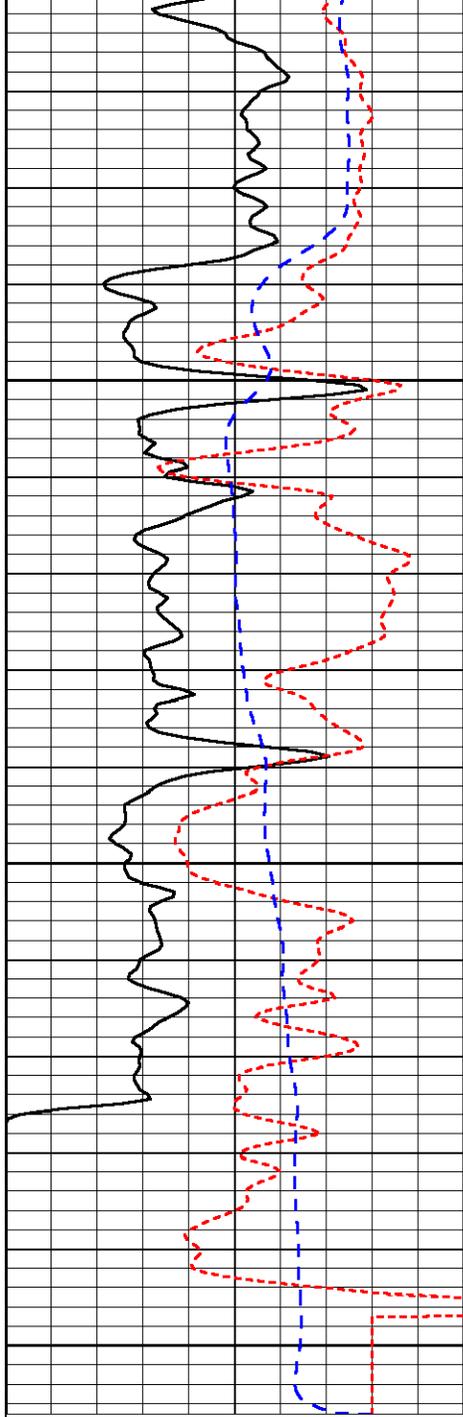
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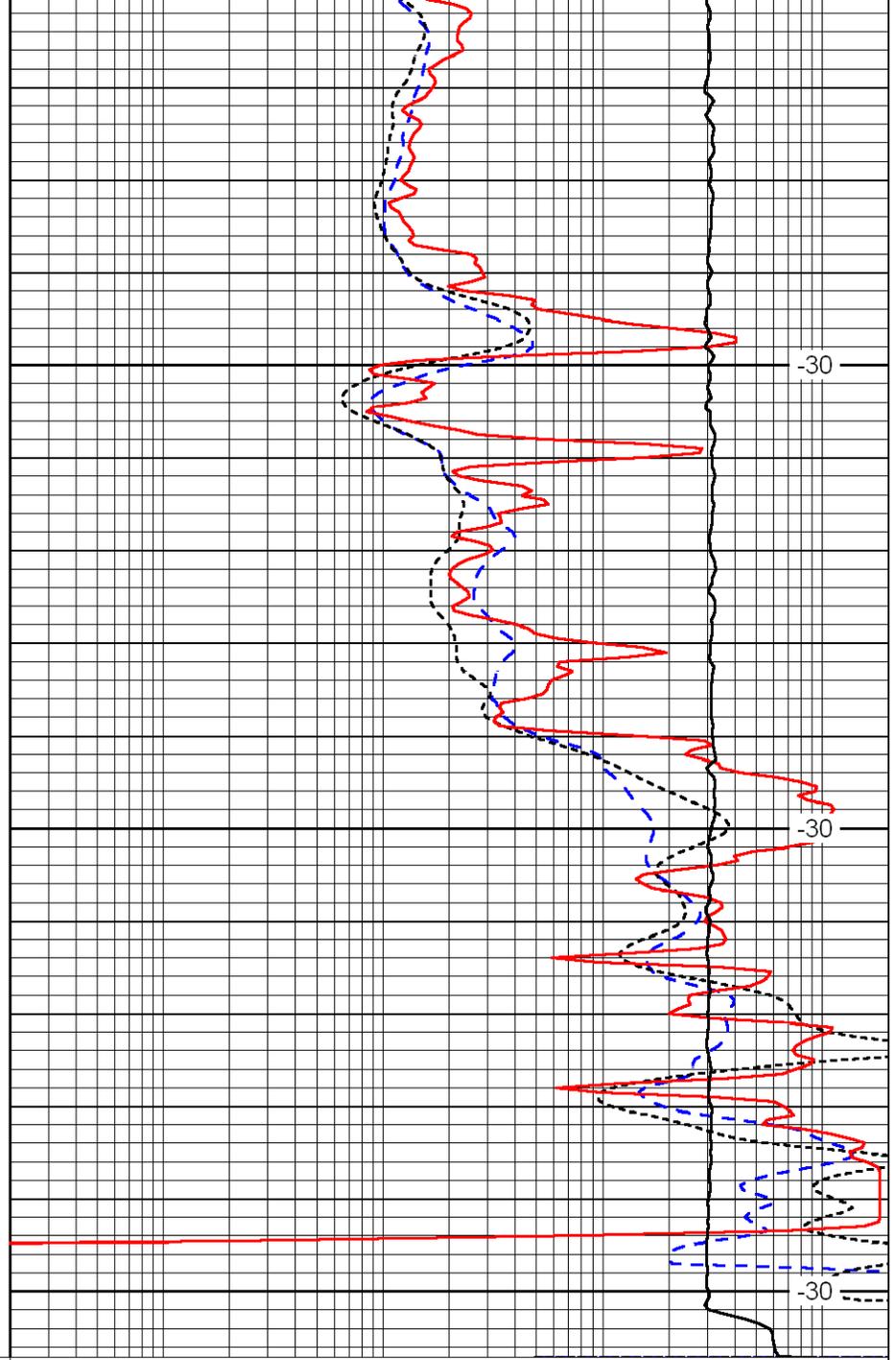


3350

3400

3450

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-30

-30

-30

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD