



Dual Induction Log

Pioneer Energy Services

API No.	Company New Gulf Operating, LLC.				
	Well Muench # 1-16				
	Field				
	County	Scott	State	Kansas	
15-171-21,074-00-00	Location	1,240' FSL & 1,430' FEL			Other Services CNL/CDL MEL
	Sec: 16	Twp: 17s	Rge: 33w	Elevation K.B. 3046 D.F. 3037 G.L. 3037	
Permanent Datum	Ground Level	Elevation 3037			
Log Measured From	Kelly Bushing	9	Ft. Above Perm. Datum		
Drilling Measured From	Kelly Bushing				
Date	7/23/2014				
Run Number	One				
Depth Driller	4815				
Depth Logger	4810				
Bottom Logged Interval	4809				
Top Log Interval	250				
Casing Driller	8.625 @ 266				
Casing Logger	257				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	7000				
Density / Viscosity	9.2	50			
pH / Fluid Loss	11.0	8.8			
Source of Sample	Flowline				
Rm @ Meas. Temp	.30 @ 81				
Rmf @ Meas. Temp	.23 @ 81				
Rmc @ Meas. Temp	.41 @ 81				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.20 @ 124				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	124				
Equipment Number	108				
Location	Hays				
Recorded By	J Long		D Fischer		
Witnessed By	John Goldsmith				

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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.

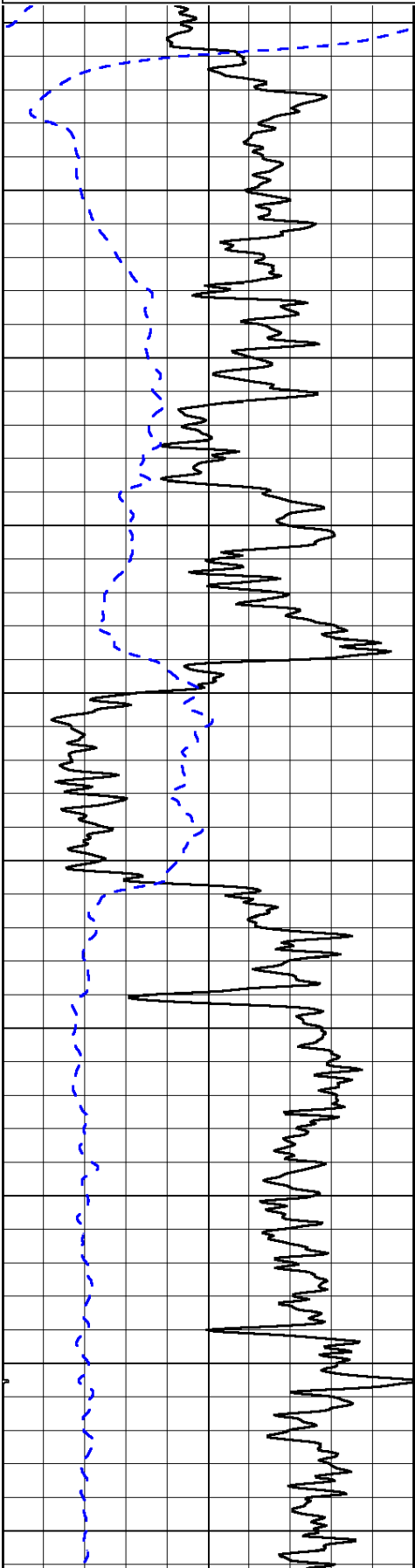
Comments

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

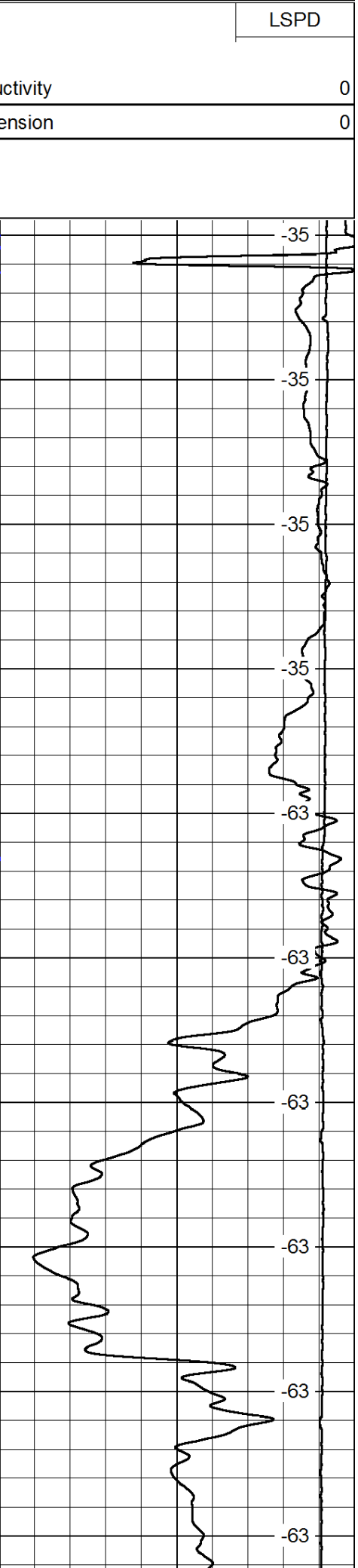
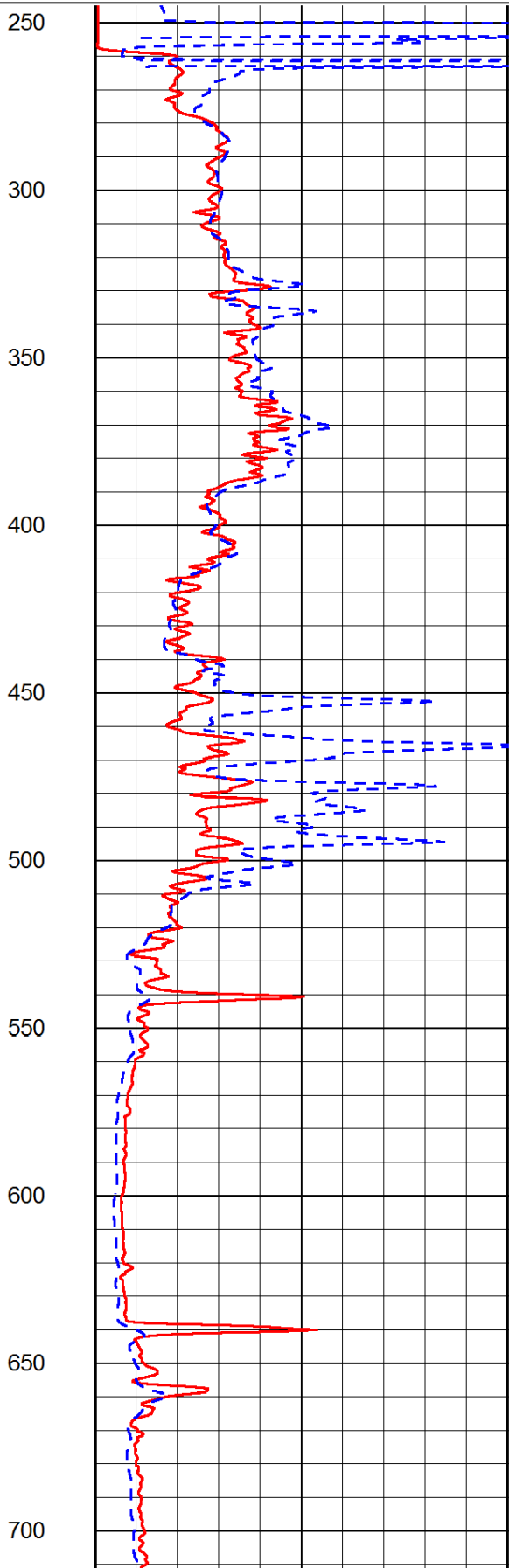
Scott City Ks., North to 190 Rd., 4 West to Stop Sign, 1 1/2 North, East Into.

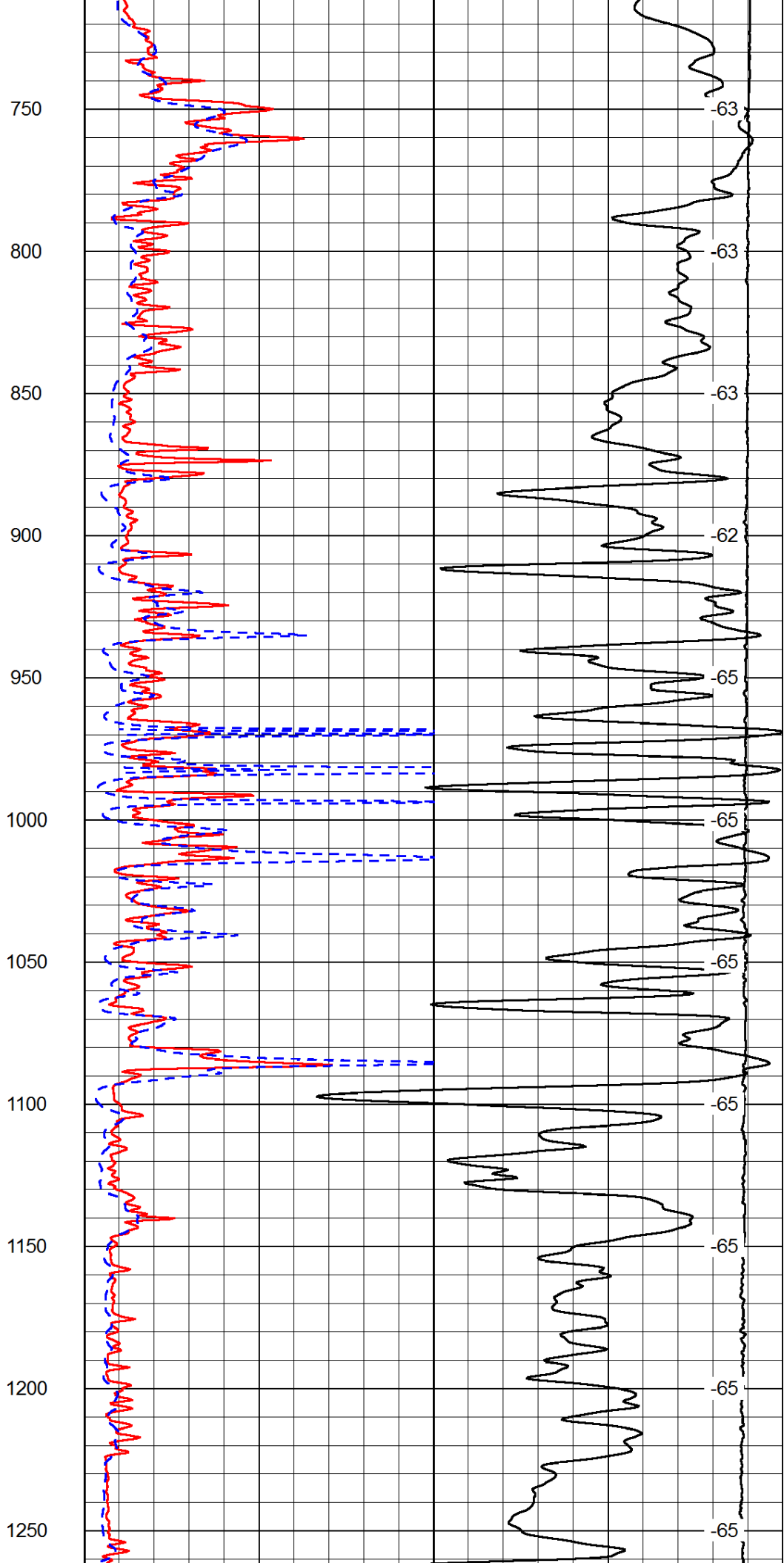
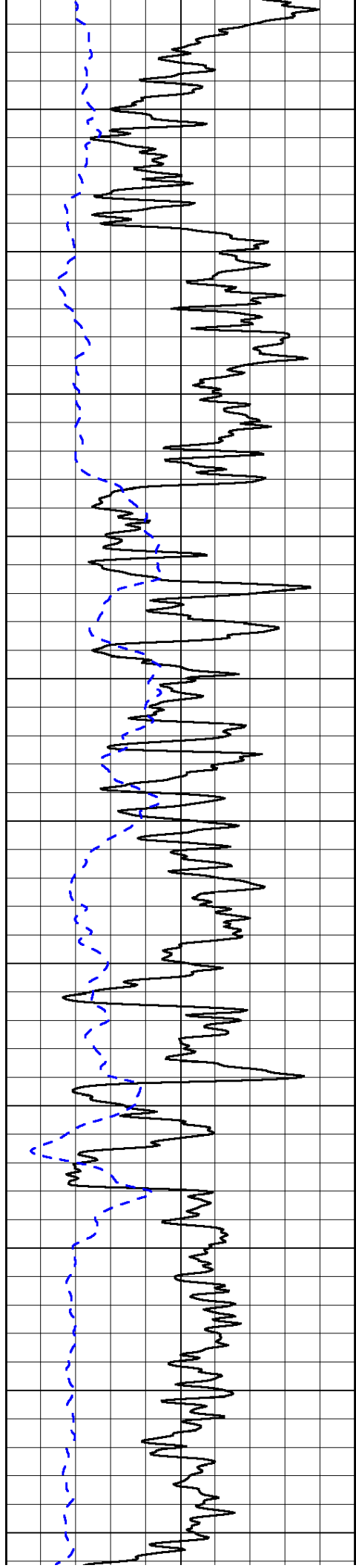
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Presentation Format: dil2in
Dataset Creation: Wed Jul 23 17:47:19 2014
Charted by: Depth in Feet scaled 1:600

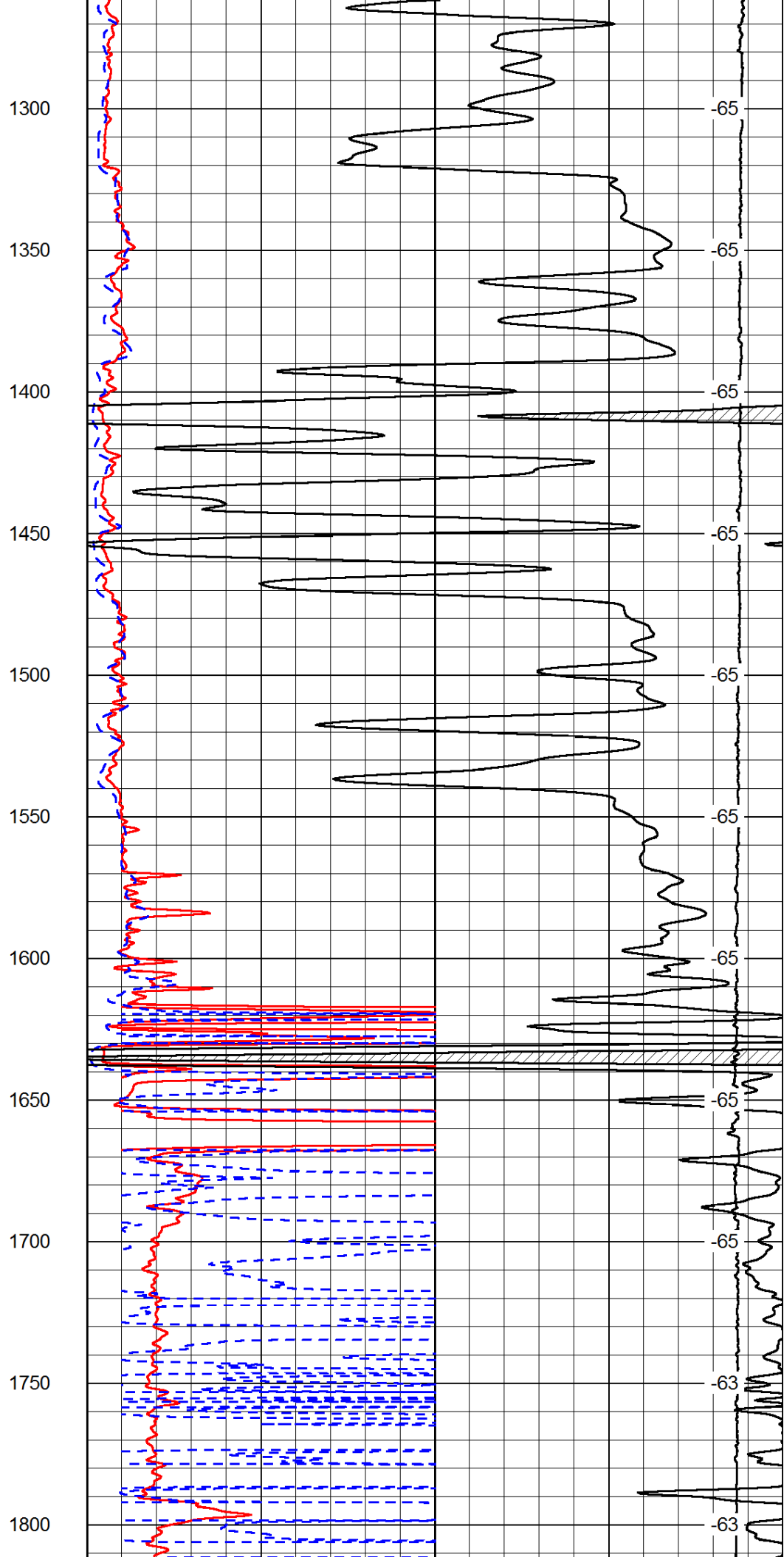
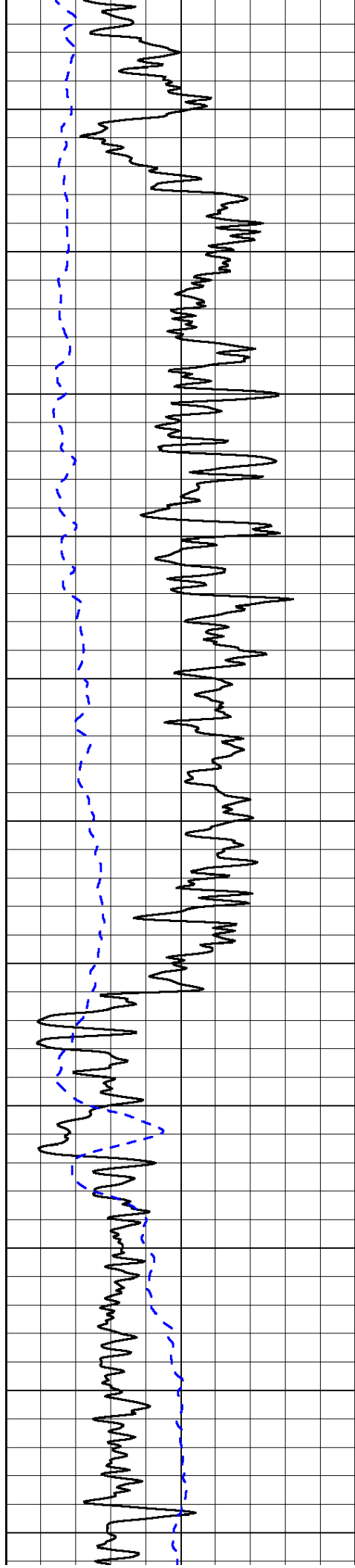
0	Gamma Ray	150
-200	SP (mV)	0

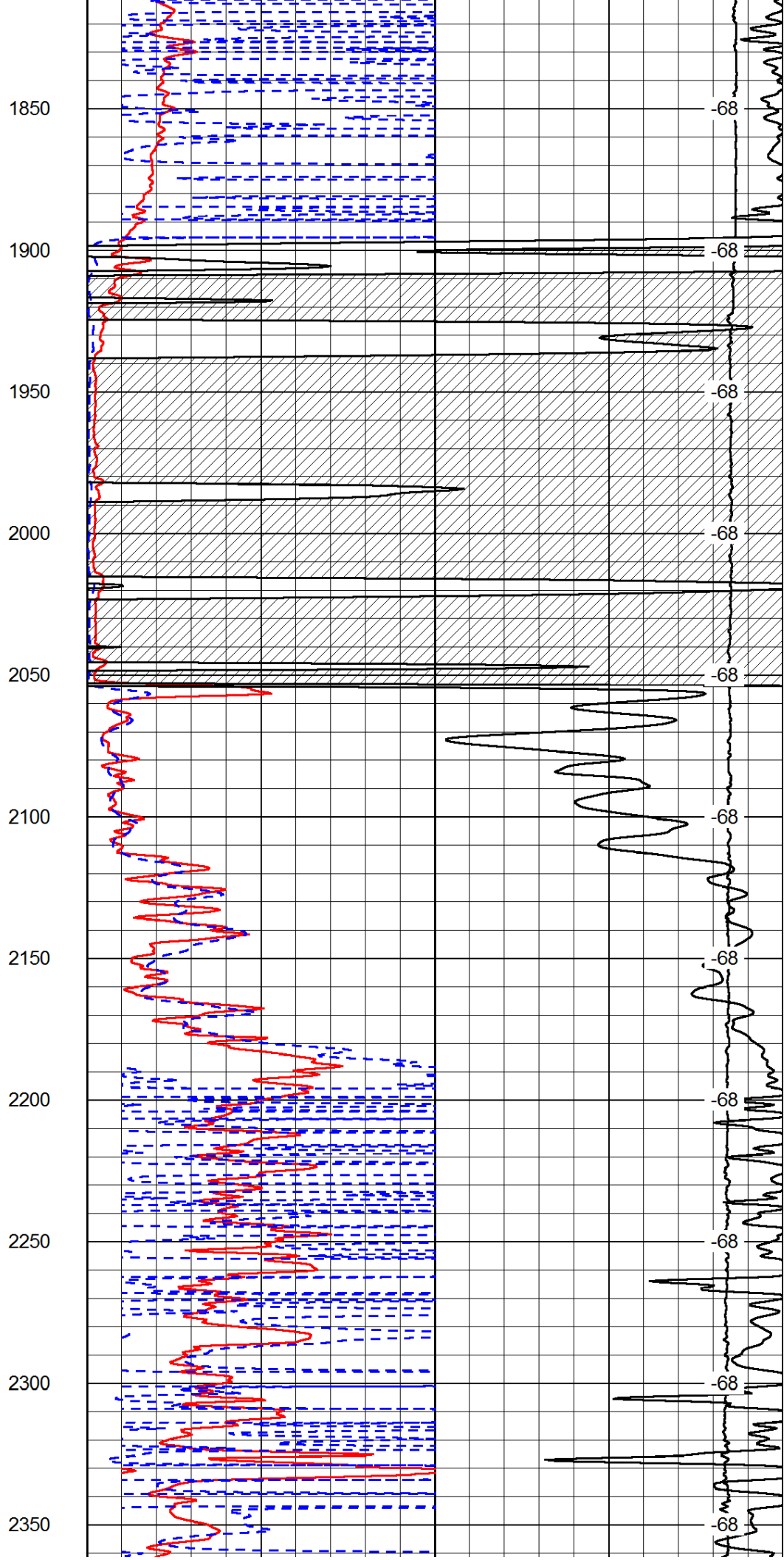
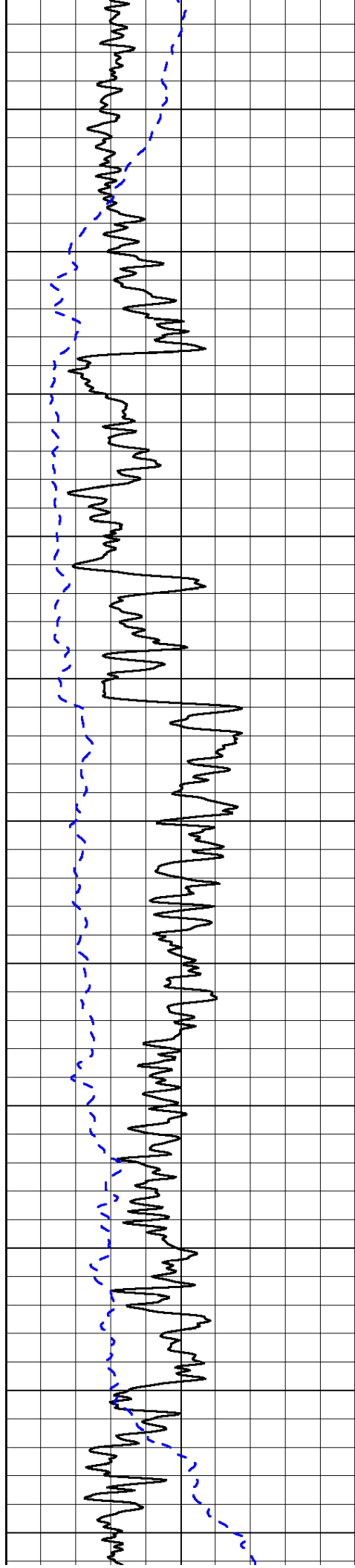


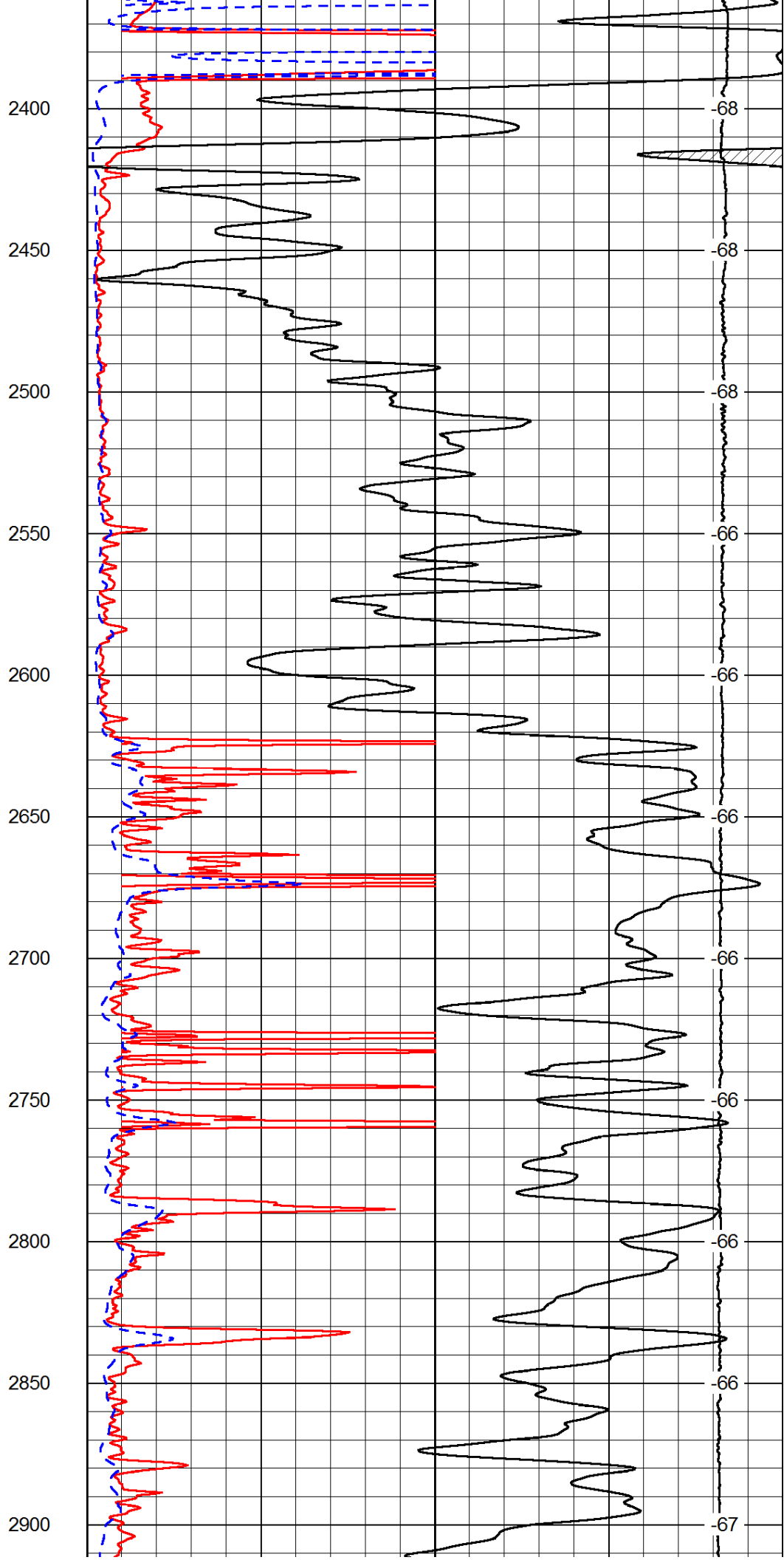
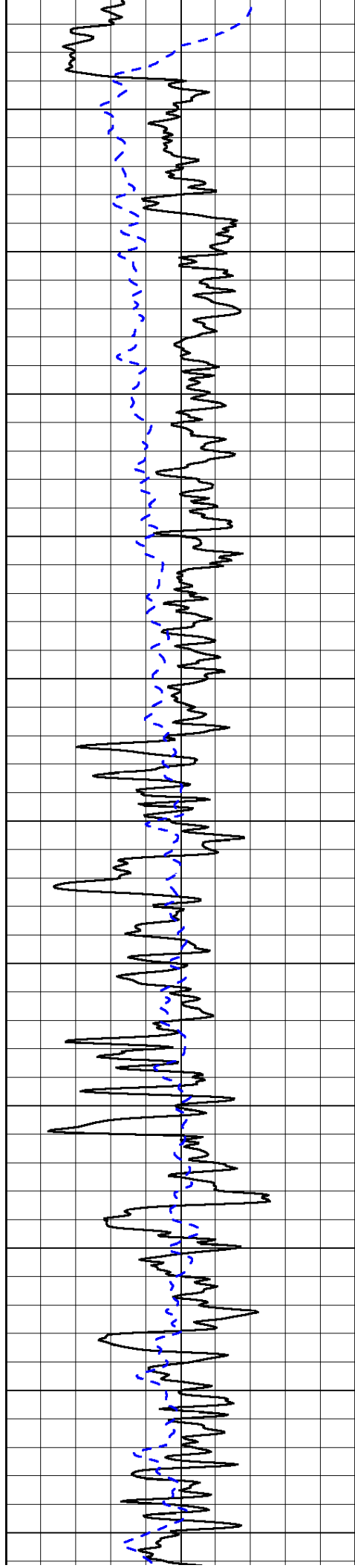
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

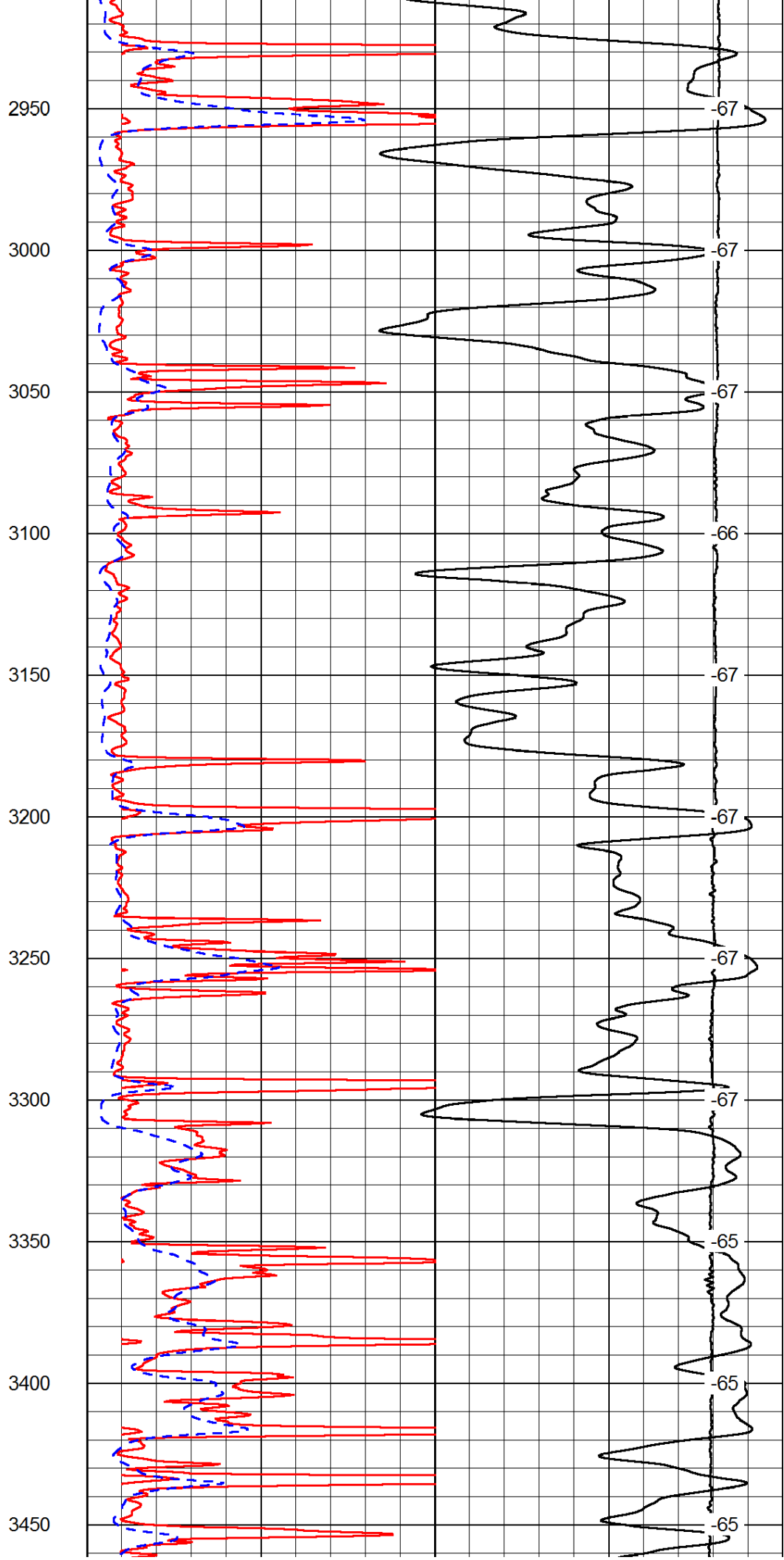
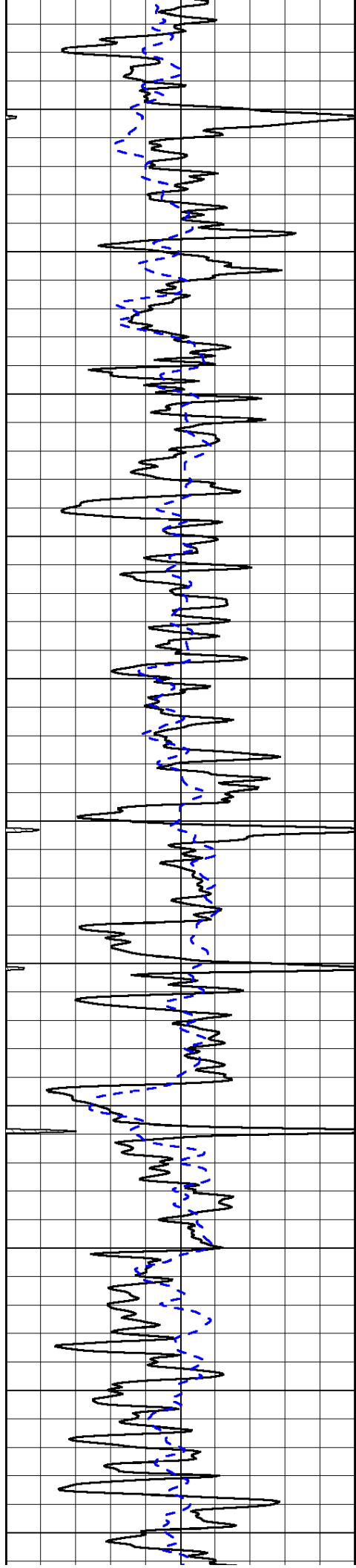


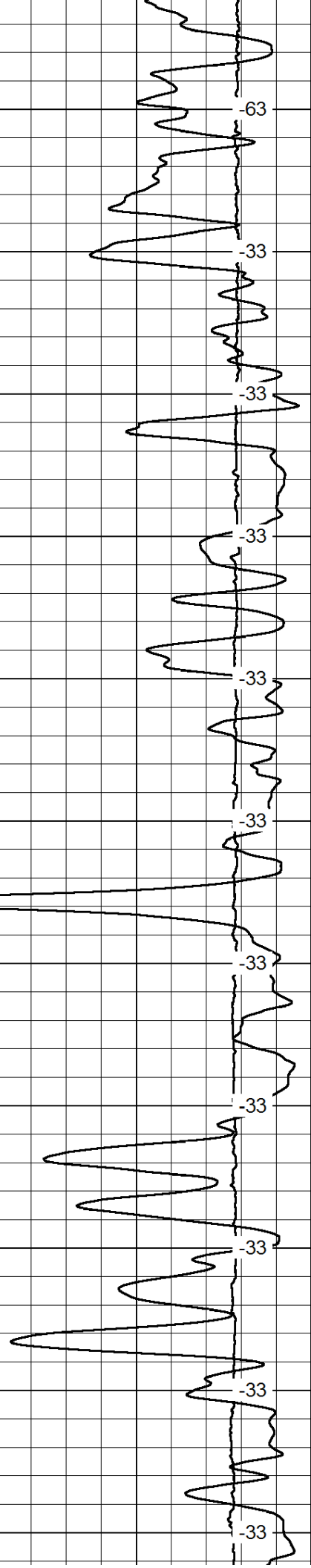
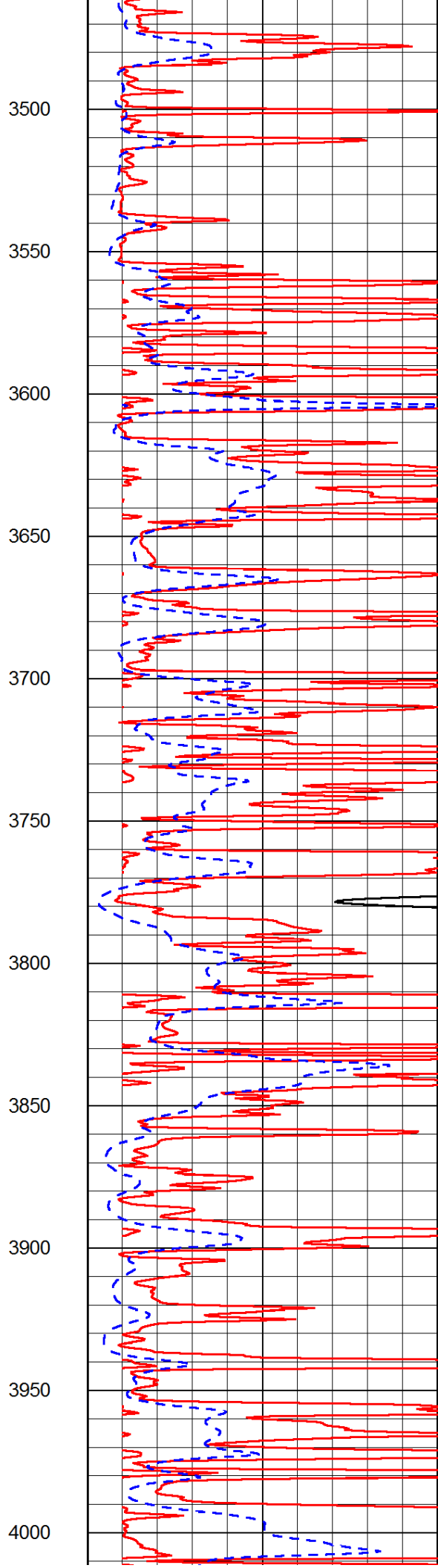
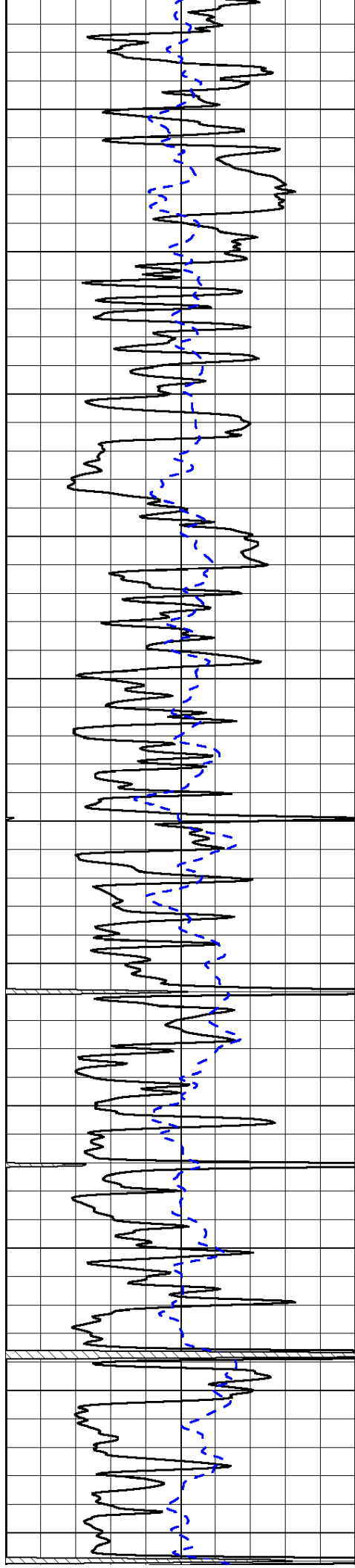


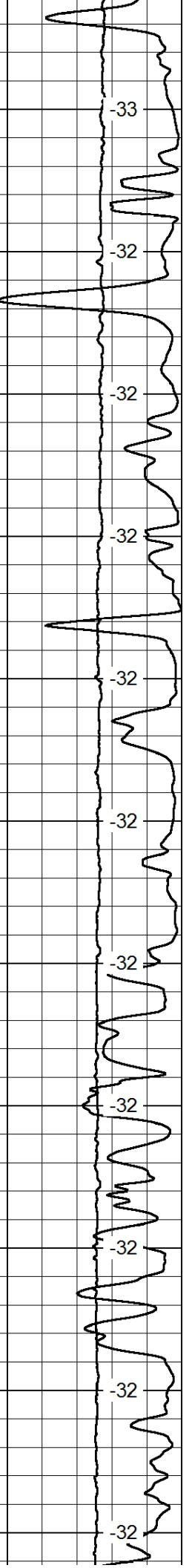
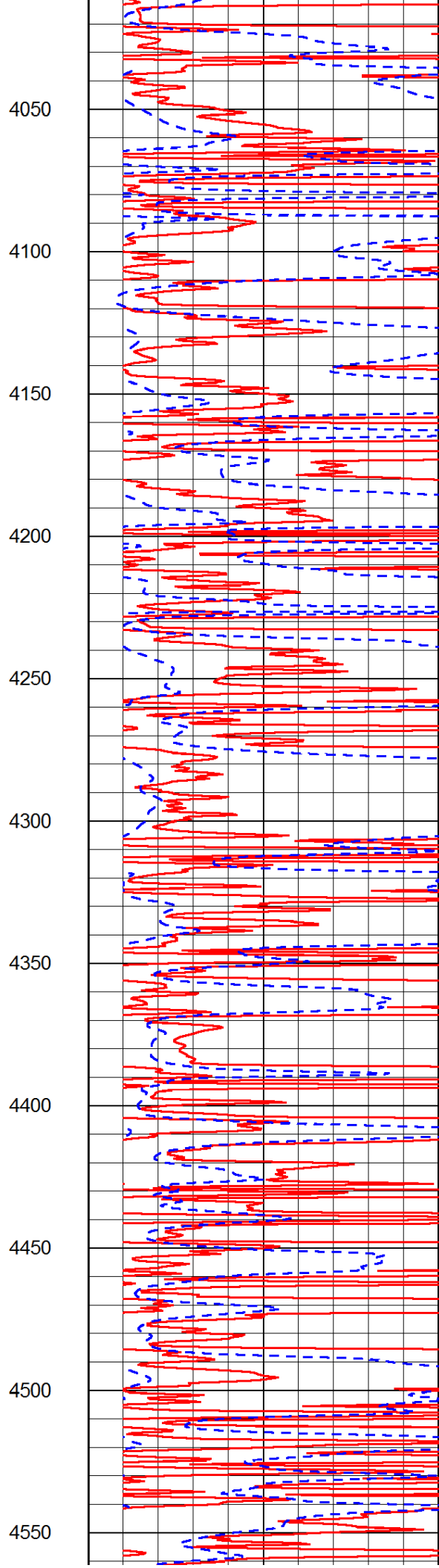
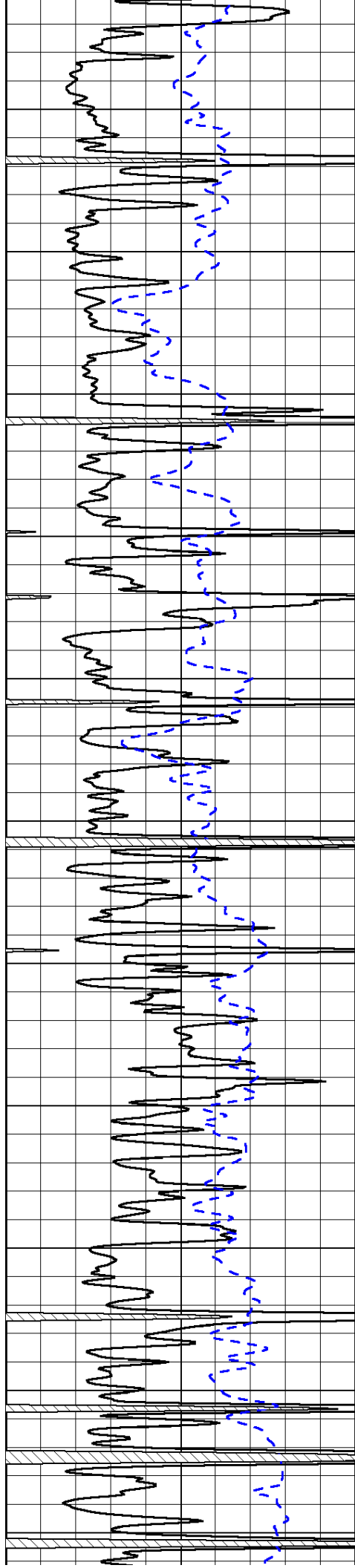


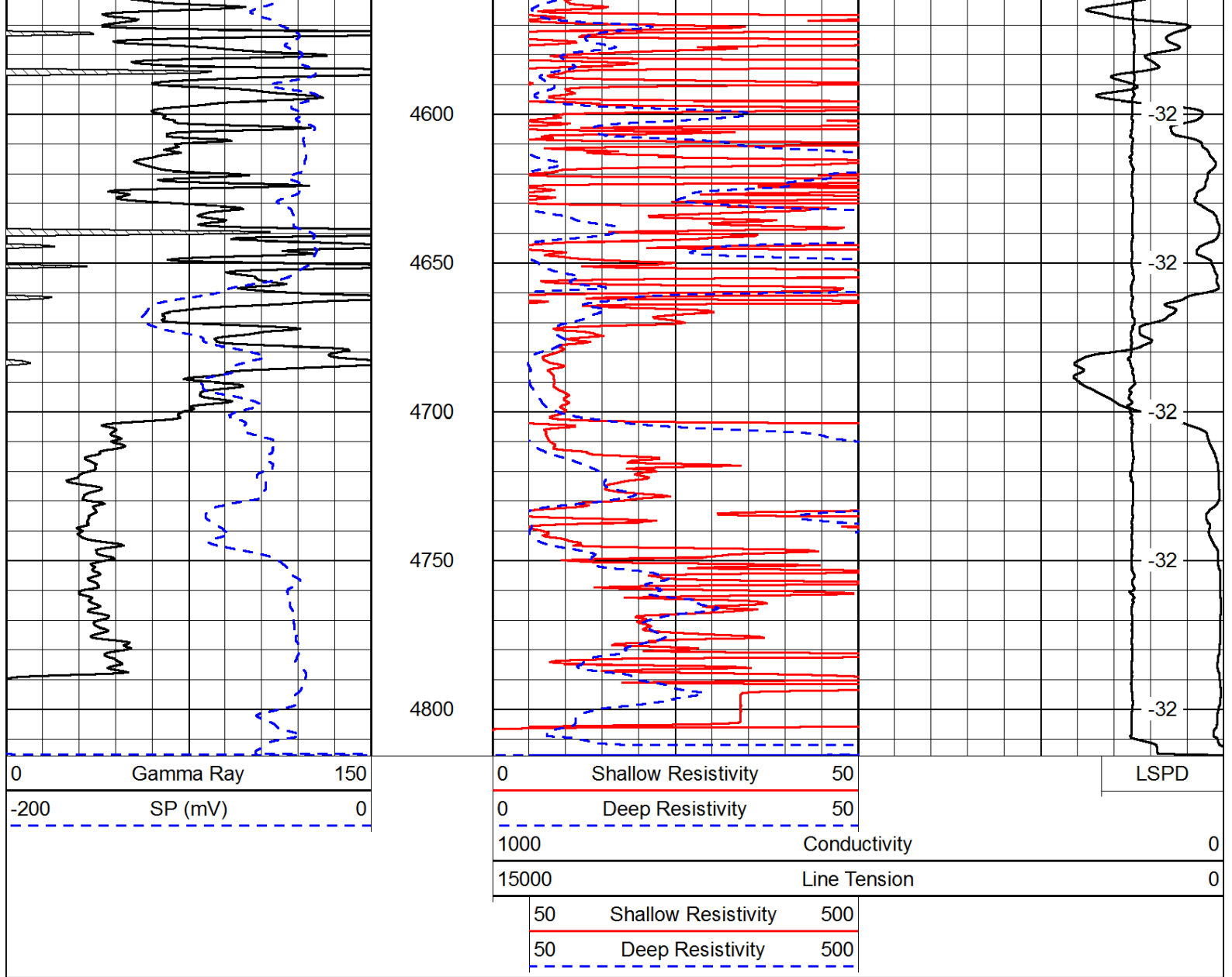




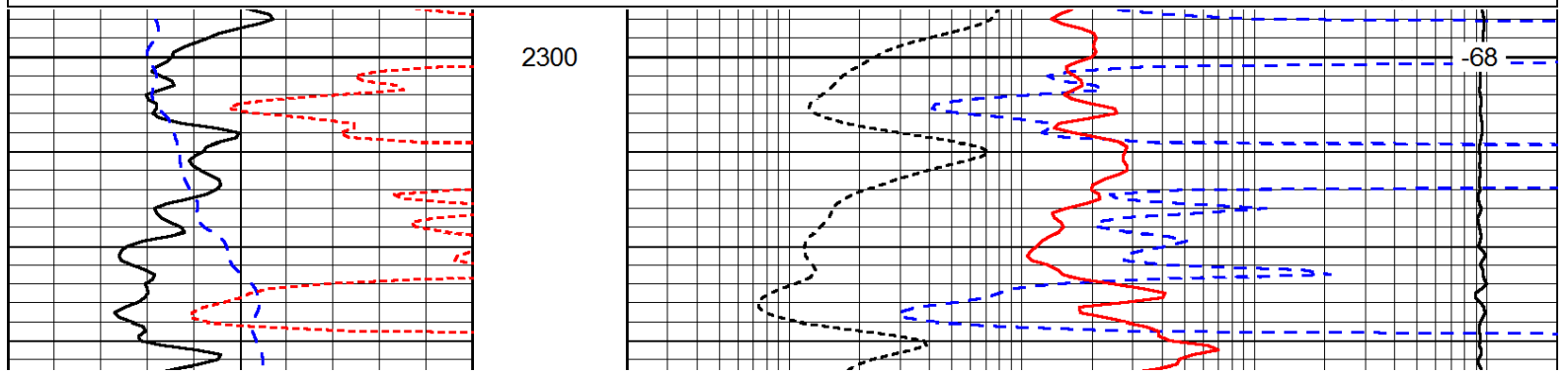
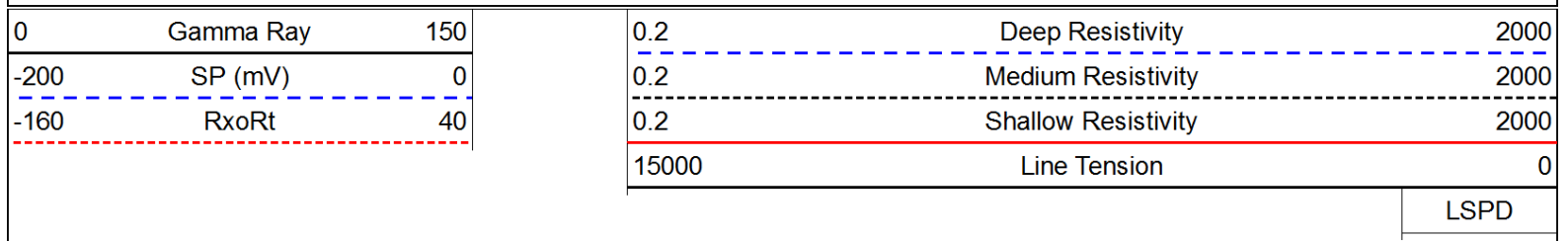


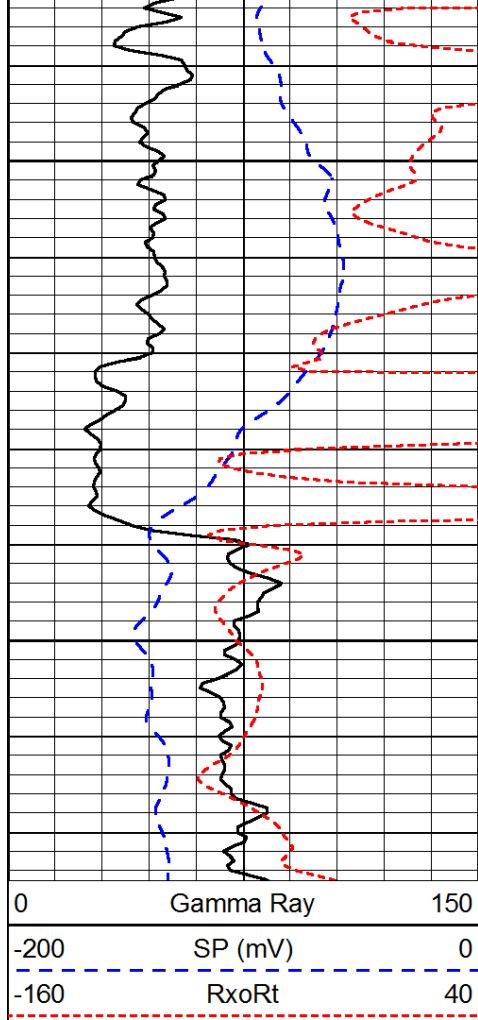






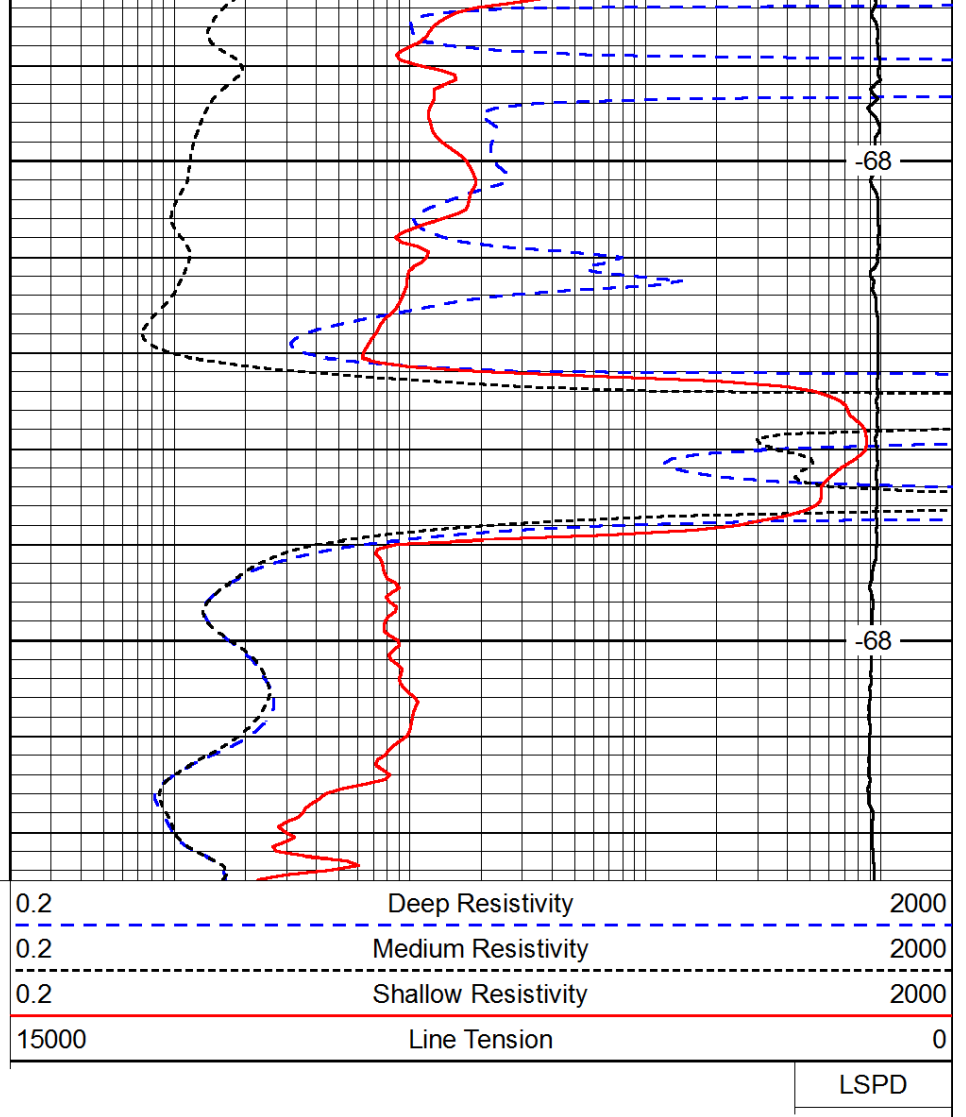
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2350

2400

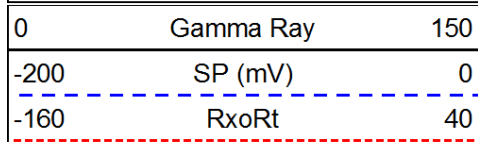


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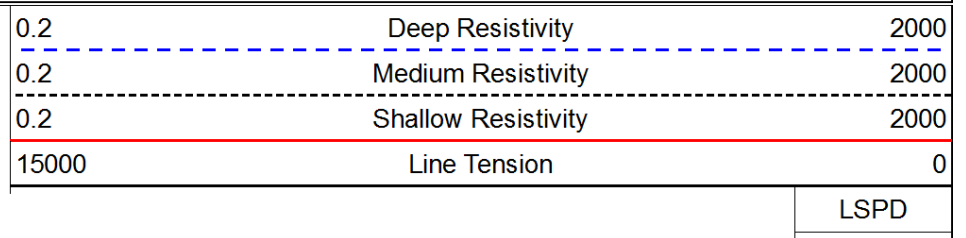
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LSPD

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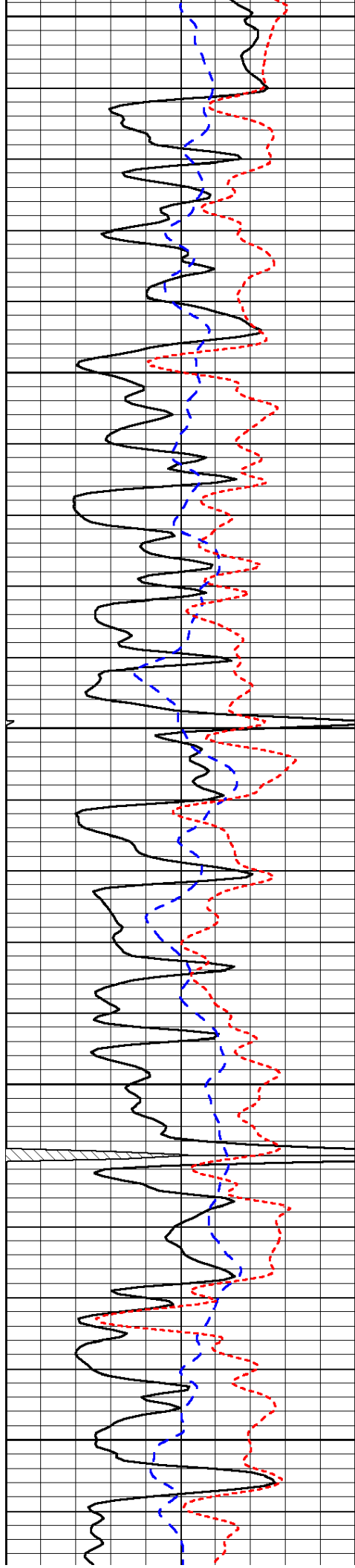


3600



-33

LSPD



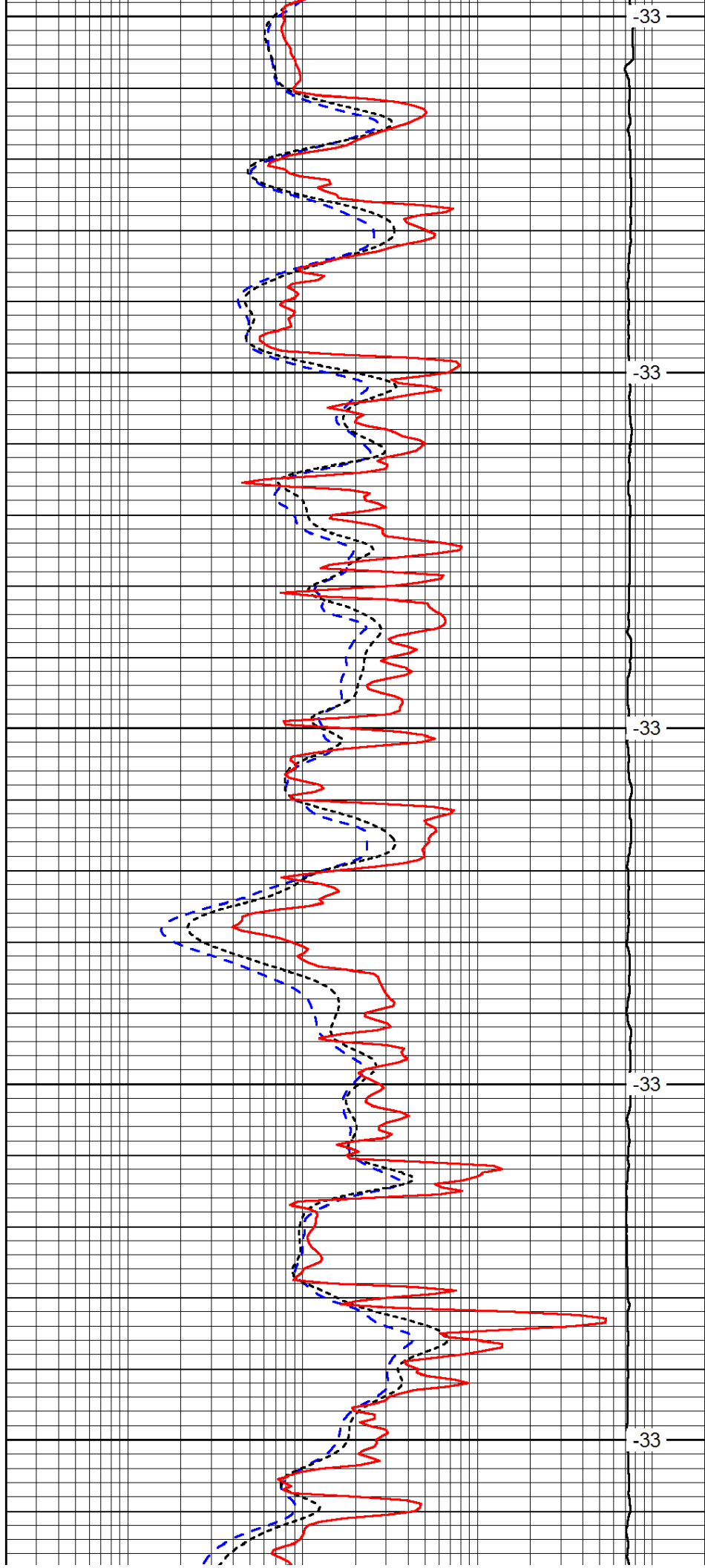
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3700

3750

3800

3850



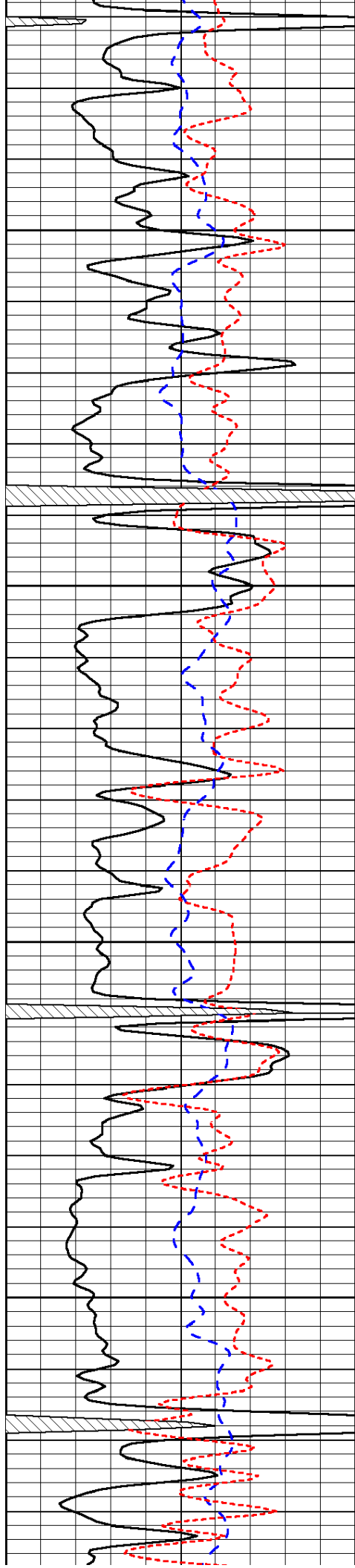
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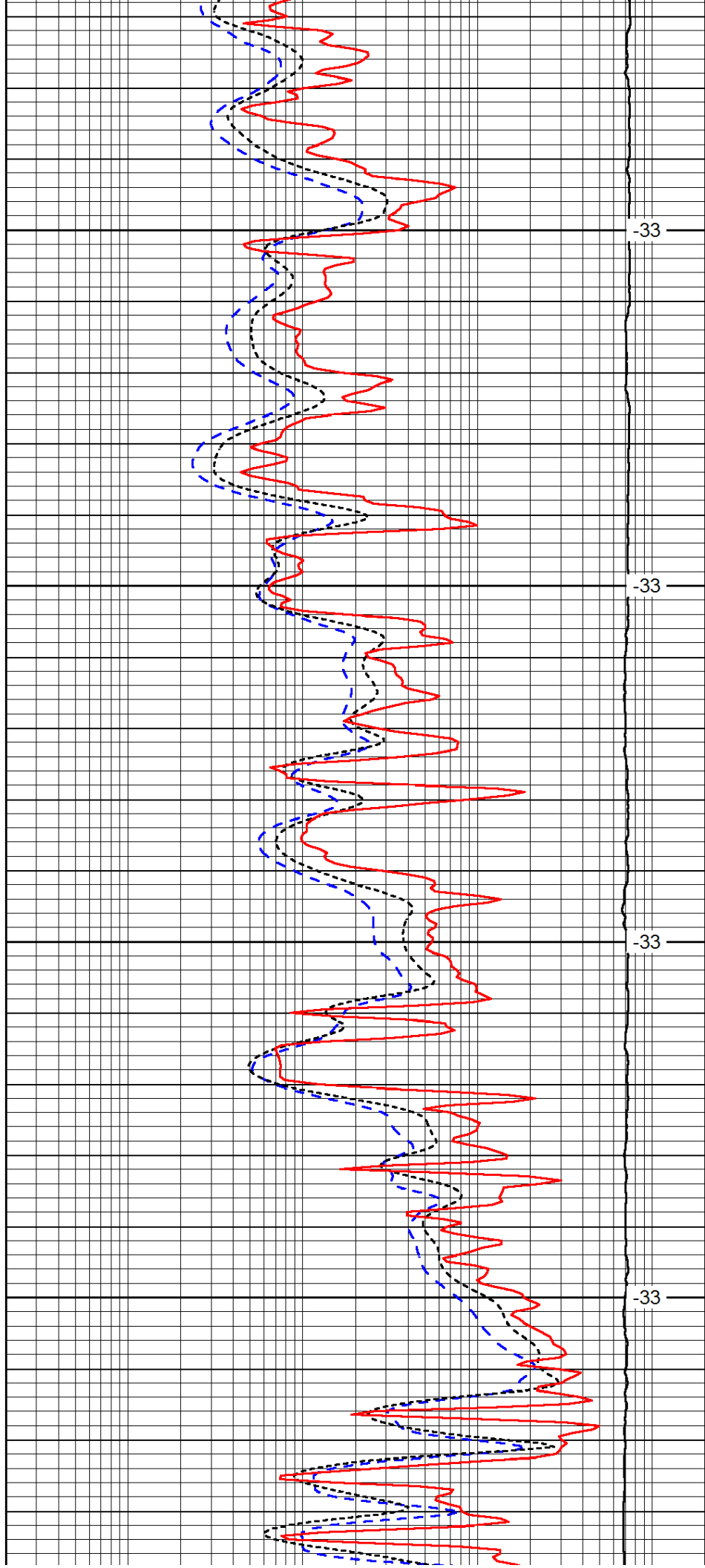


3900

3950

4000

4050

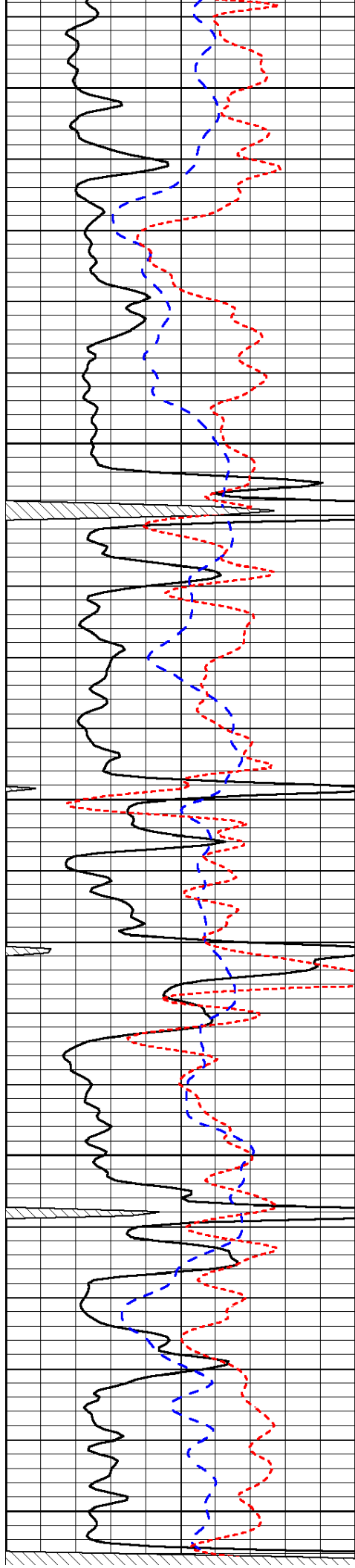


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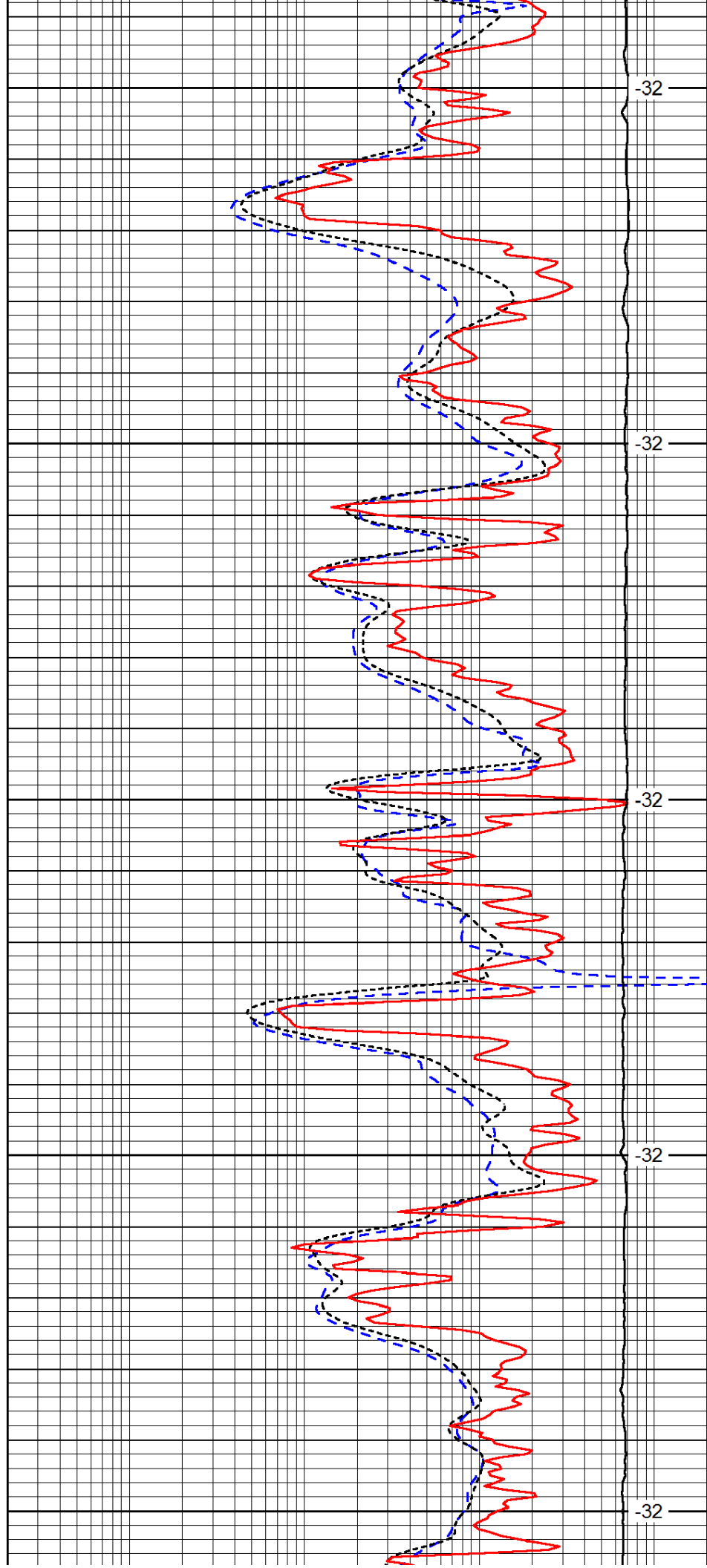
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4150

4200

4250

4300



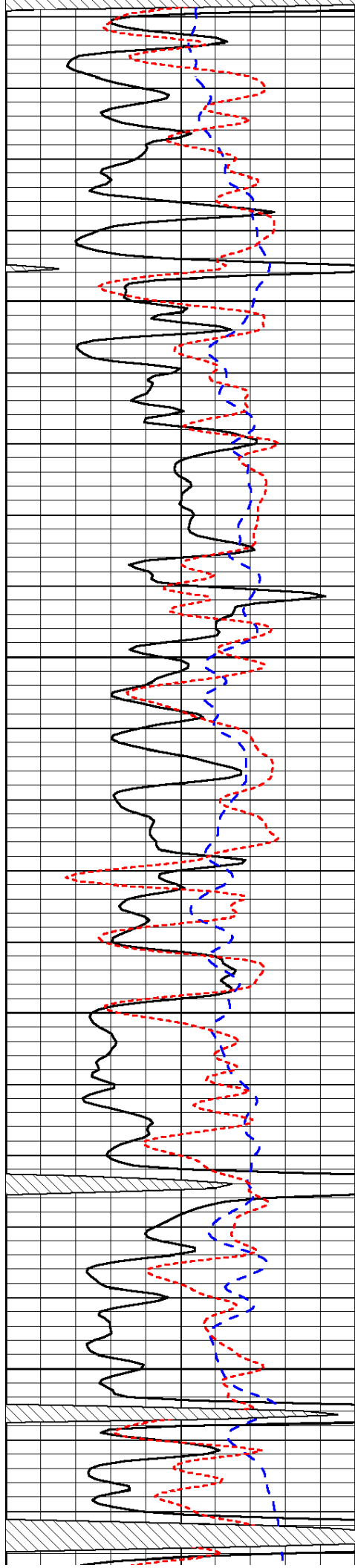
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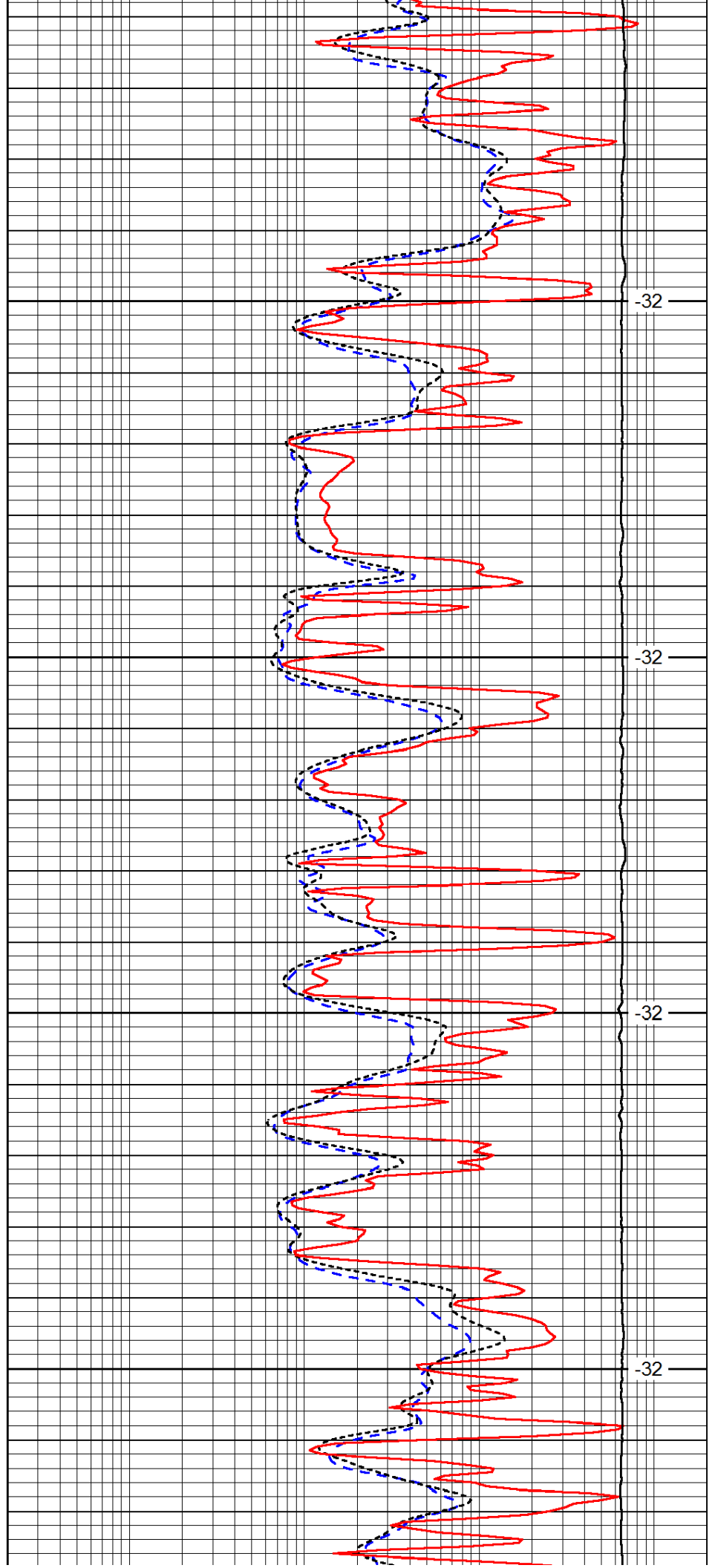


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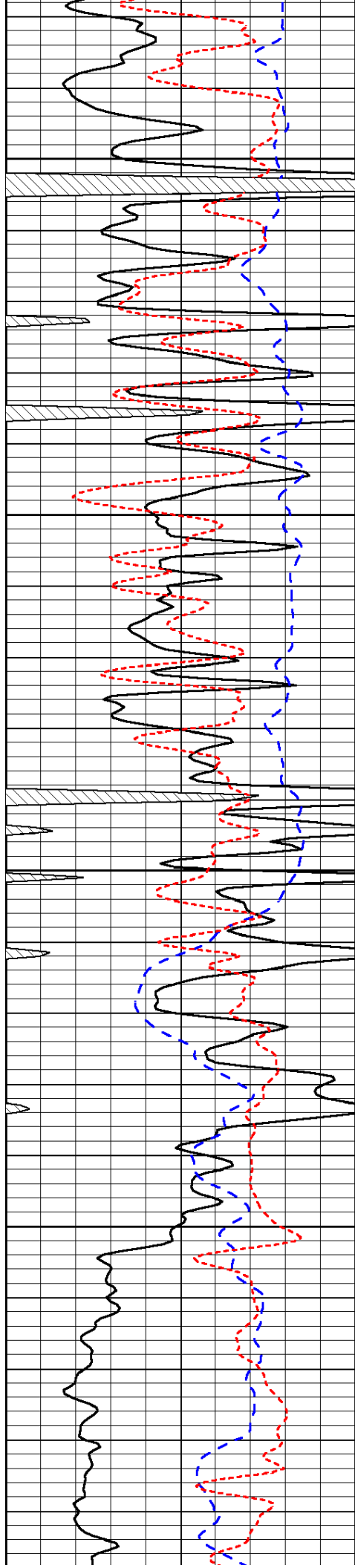


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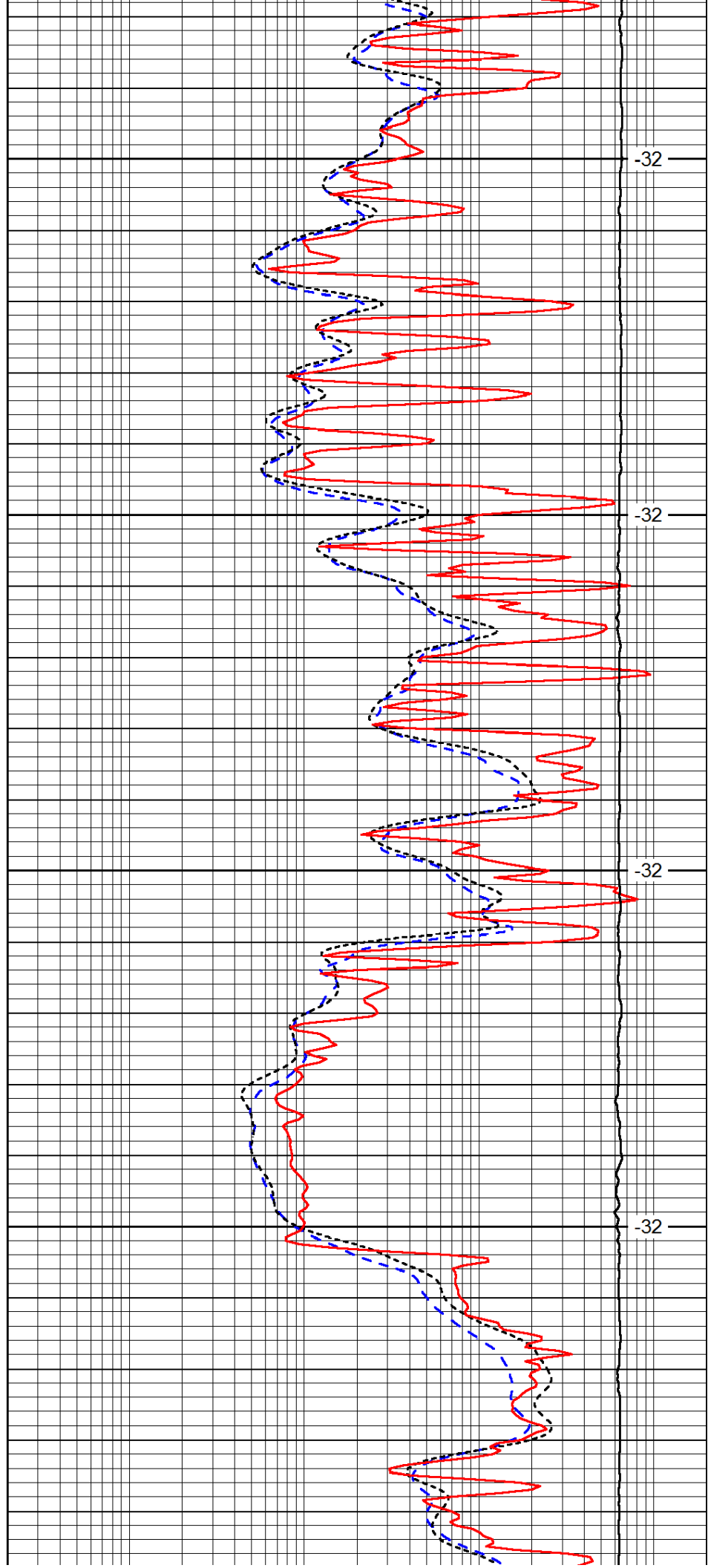


4550

4600

4650

4700



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