



Dual Induction Log

Pioneer Energy Services

API No.	Company N-10 Exploration, LLC				
	Well Medicine River Ranch "D" No. 9				
	Field Landis				
	County Barber		State		Kansas
15-007-23,977-00-00	Location 4,350' FSL & 455' FEL			Other Services CNL/CDL	
	Sec: 10 Twp: 34S Rge: 11W			Elevation K.B. 1368 D.F. 1358 G.L. 1358	
Permanent Datum	Ground Level	Elevation 1358			
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum			
Drilling Measured From	Kelly Bushing				
Date	1/7/2013				
Run Number	One				
Depth Driller	5078				
Depth Logger	5080				
Bottom Logged Interval	5079				
Top Log Interval	250				
Casing Driller	8.625 @ 265				
Casing Logger	262				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	6000				
Density / Viscosity	9.4	56			
pH / Fluid Loss	10.0	8.0			
Source of Sample	Flowline				
Rm @ Meas. Temp	.60 @ 82				
Rmf @ Meas. Temp	.45 @ 82				
Rmc @ Meas. Temp	.81 @ 82				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.39 @ 127				
Operating Rig Time	2 1/2 Hours				
Max Rec. Temp. F	127				
Equipment Number	108				
Location	Hays				
Recorded By	J. Long				
Witnessed By	Tim Pierce				

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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

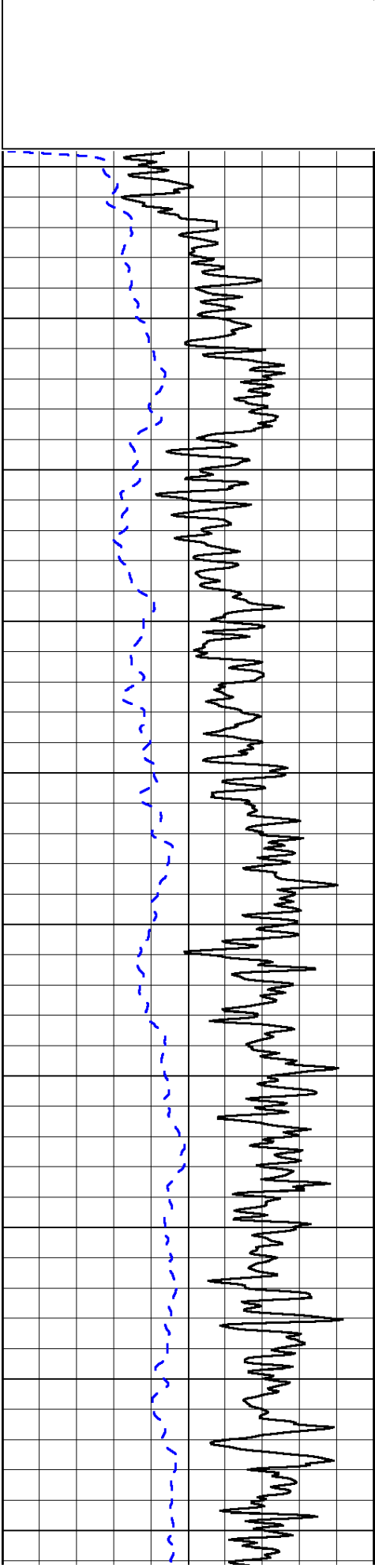
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www.pioneerres.com
785 625 3858

Medicine Lodge, 9 South to Gerlane Blacktop, 7 East to Bethel Road, 2 South to Scott Canyon Road,
1 West to Cattle Guard, 3/4 West and North Into (Stay right at fork)

Database File: c:\warrior\data\n-10 exploration_medicine river ranch d #9\n-10_medicineriverranch_d_9hd.db
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Presentation Format: dil2in
Dataset Creation: Mon Jan 07 16:20:33 2013
Charted by: Depth in Feet scaled 1:600

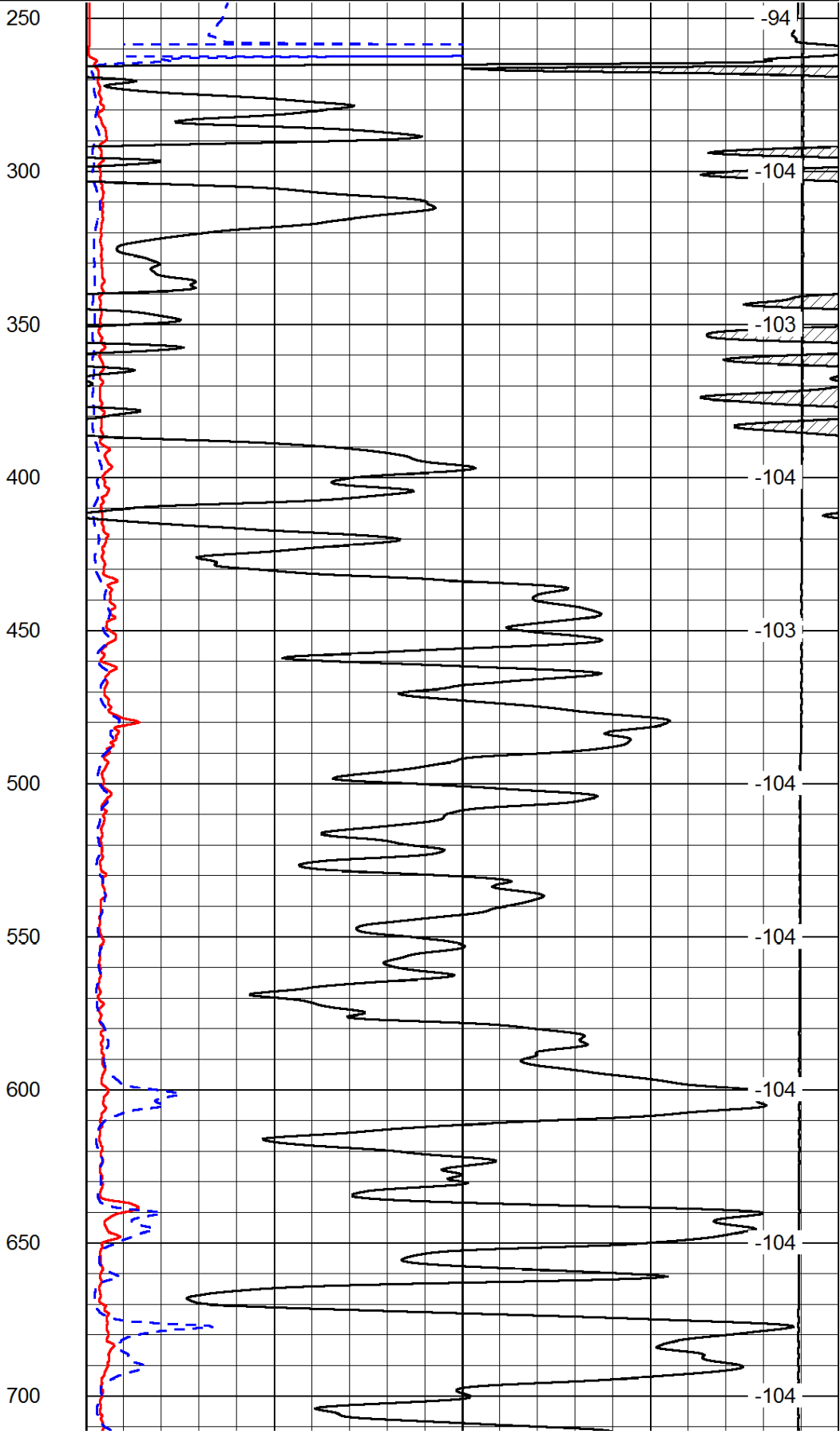
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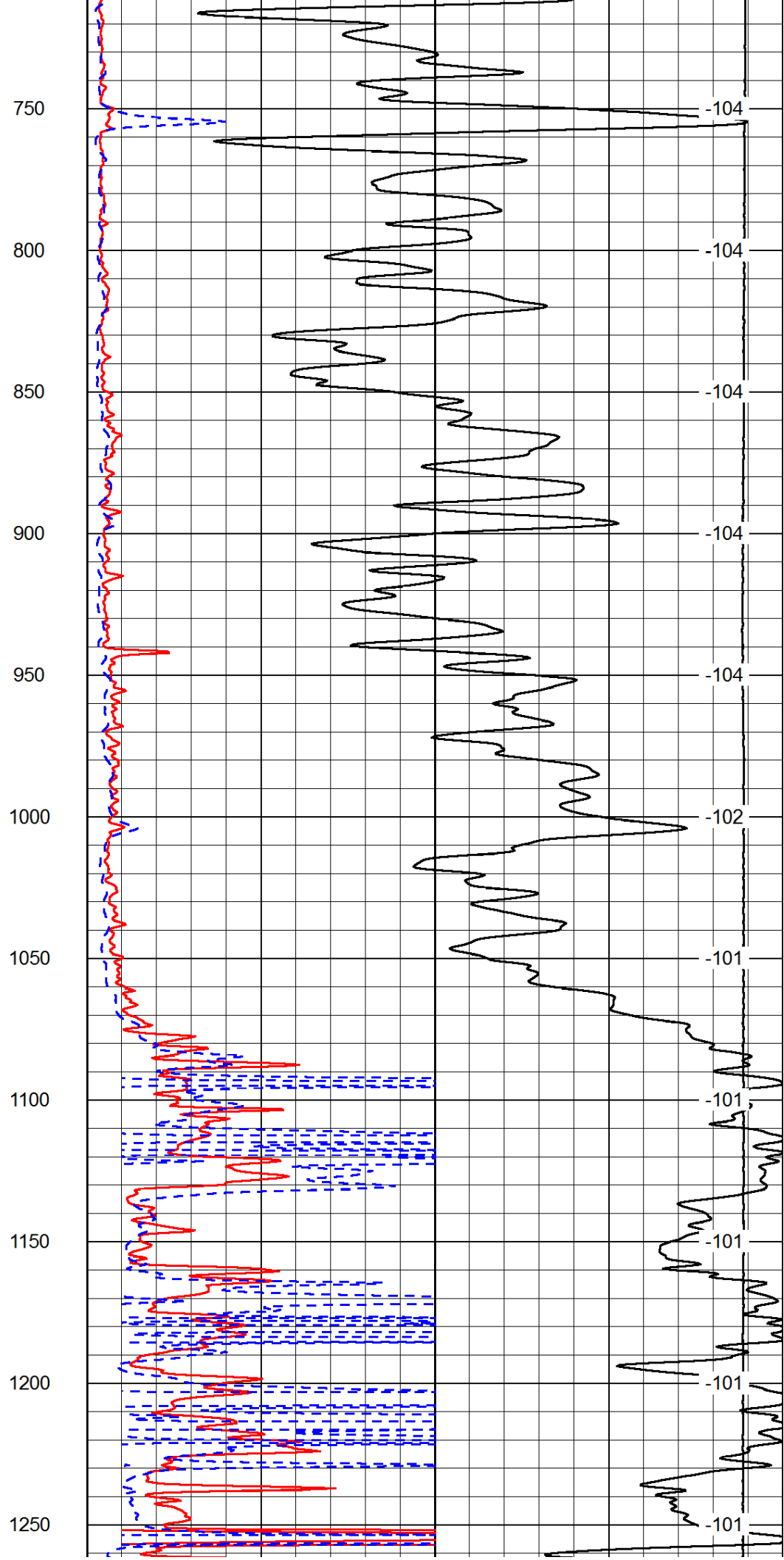
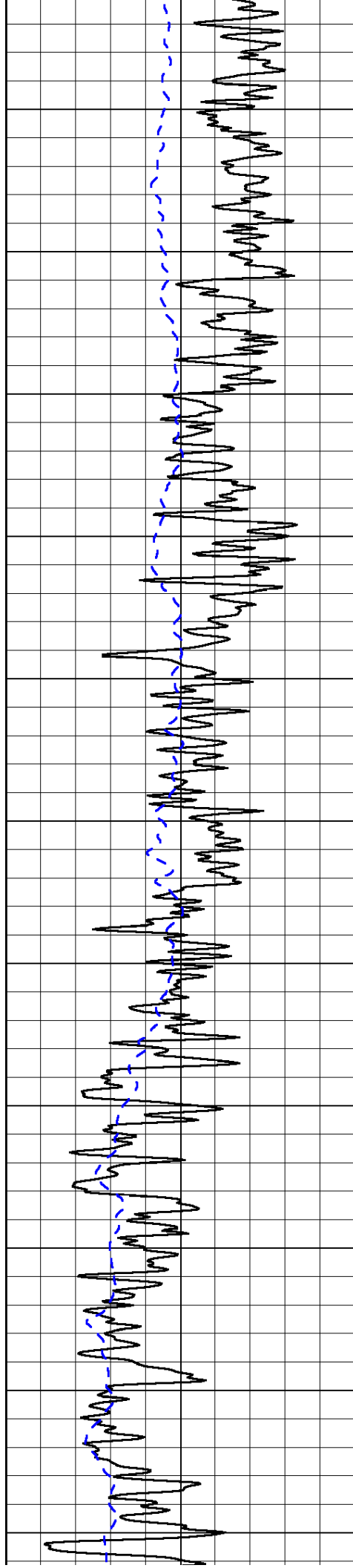
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-200	SP (mV)	0

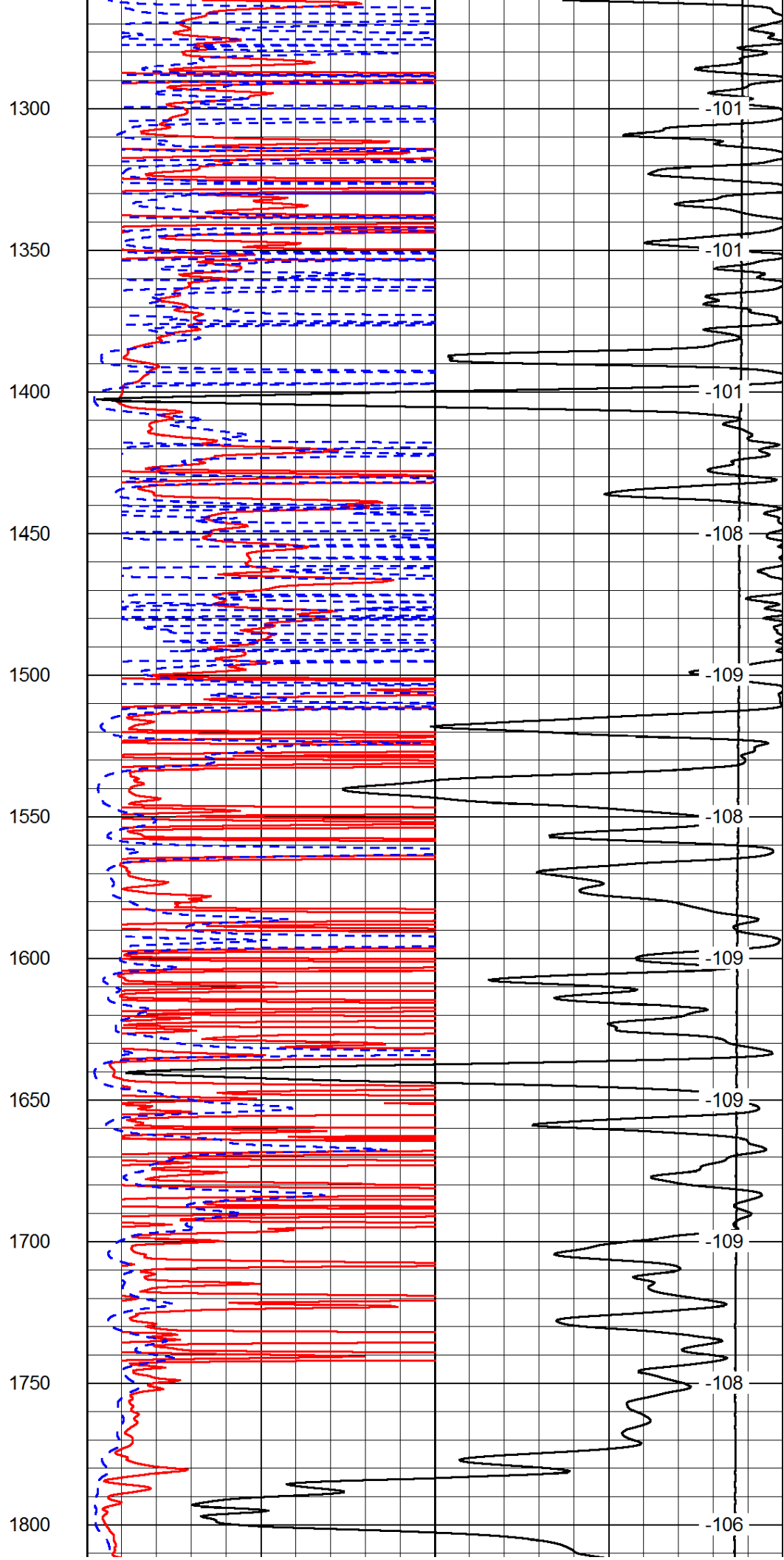
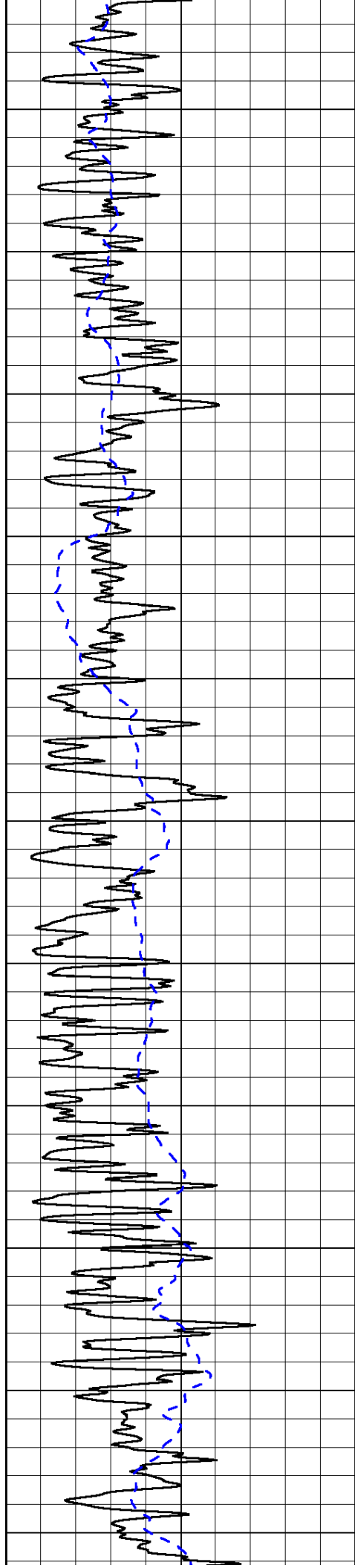


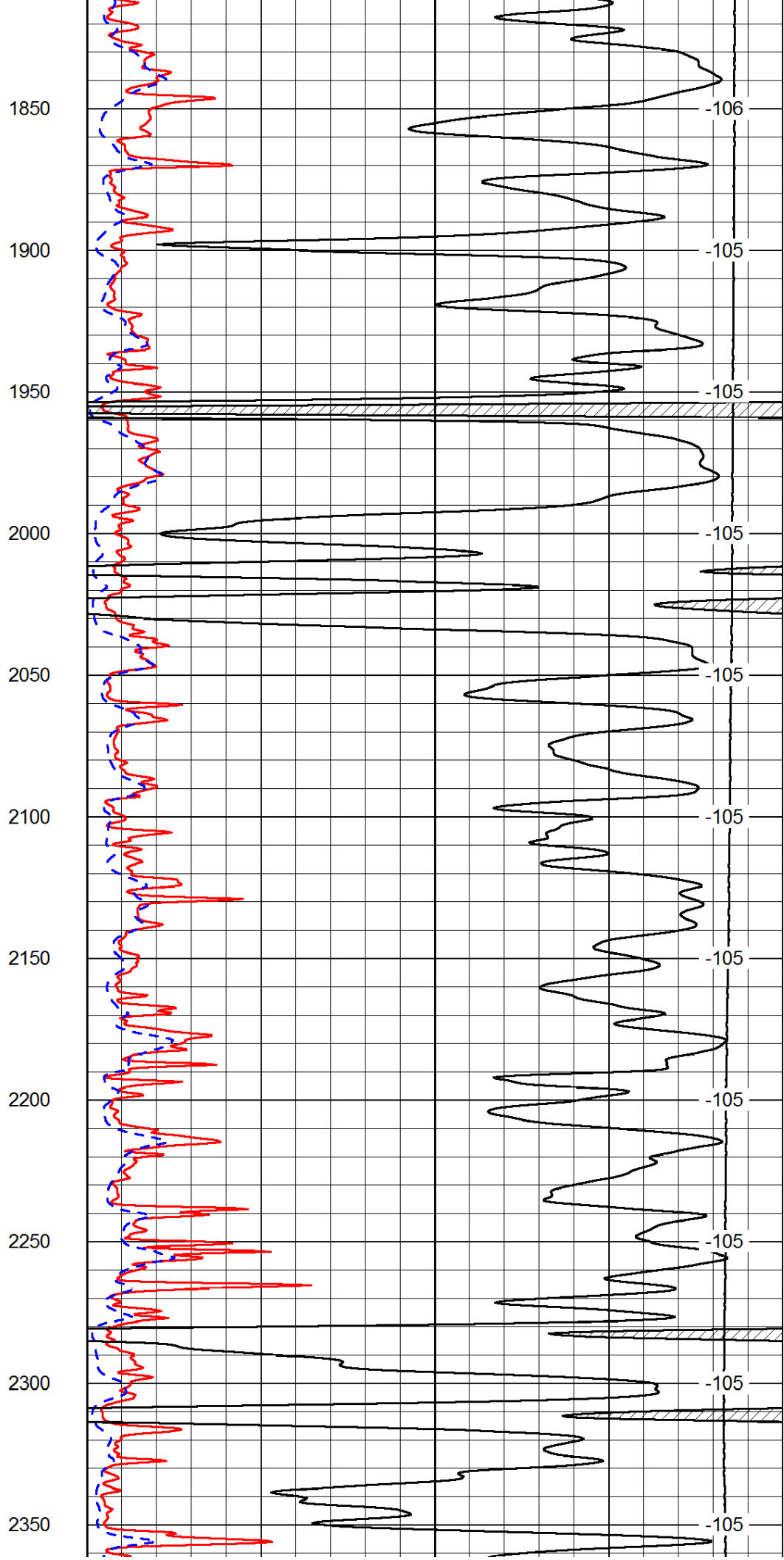
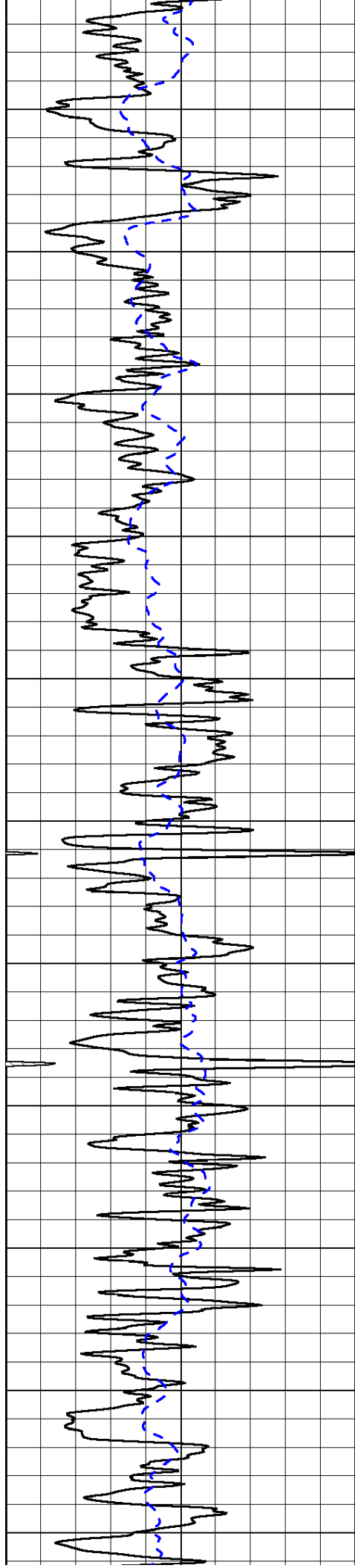
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

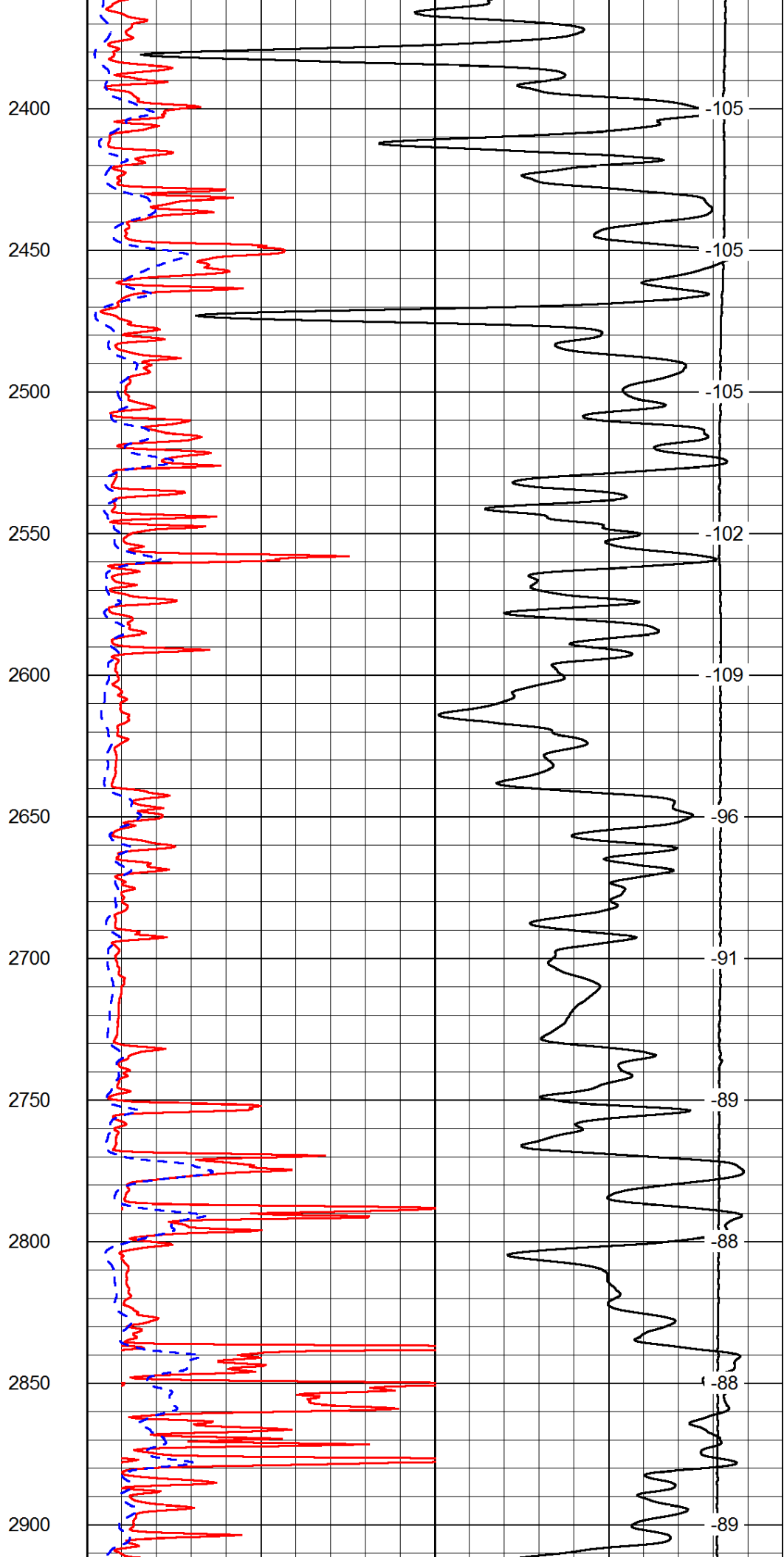
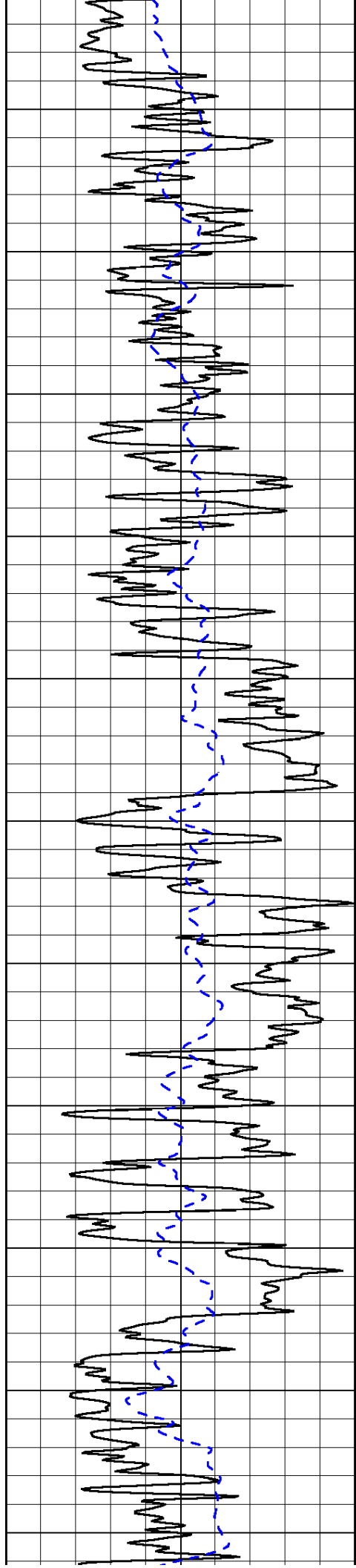
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-94	
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-103	
-104	
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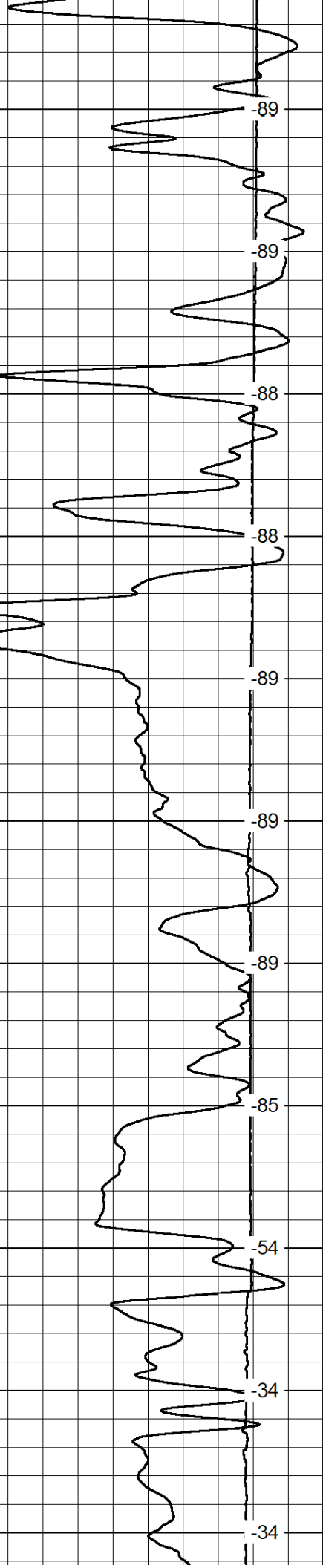
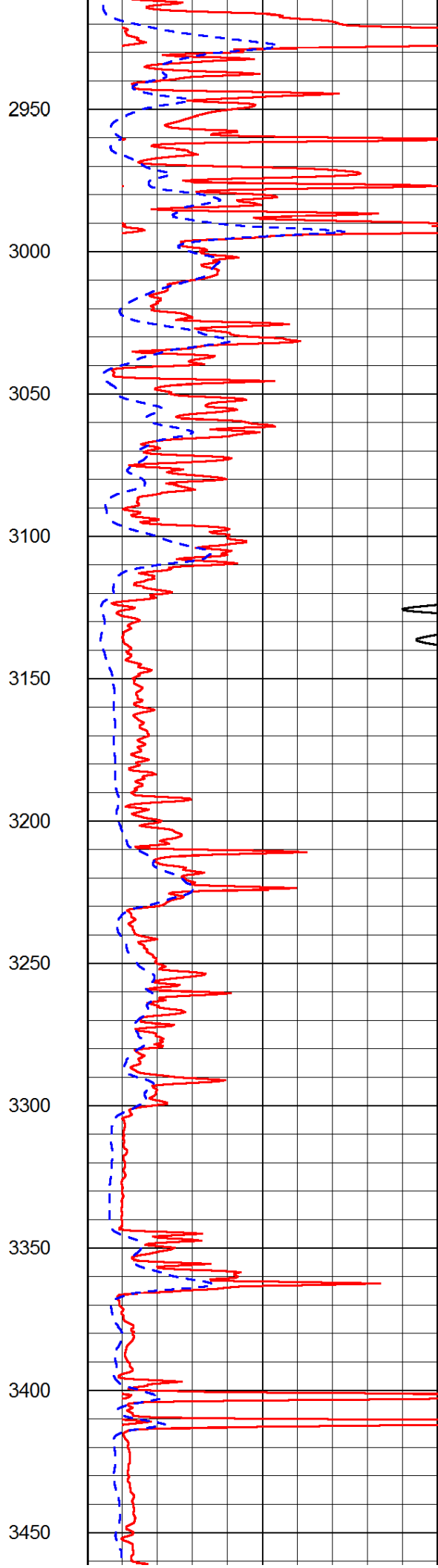
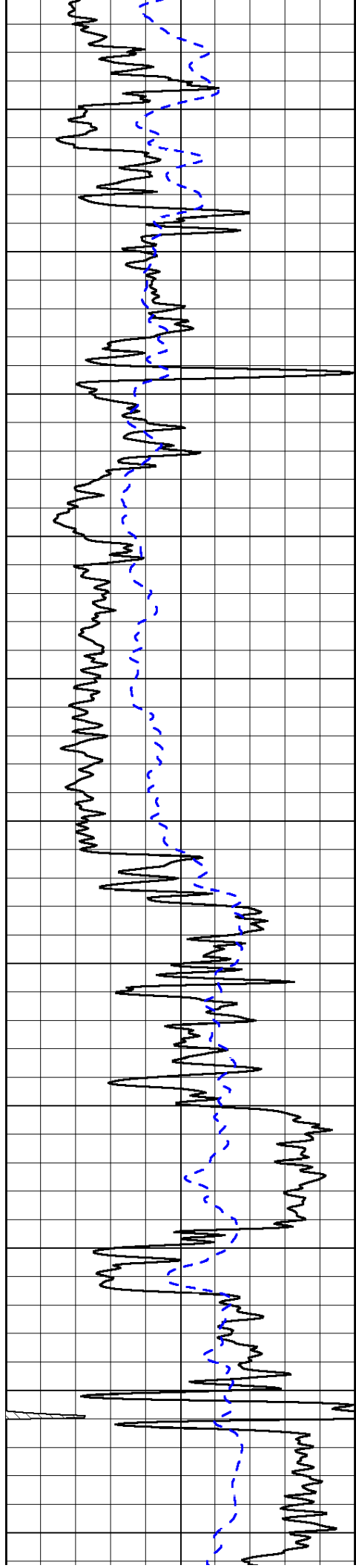


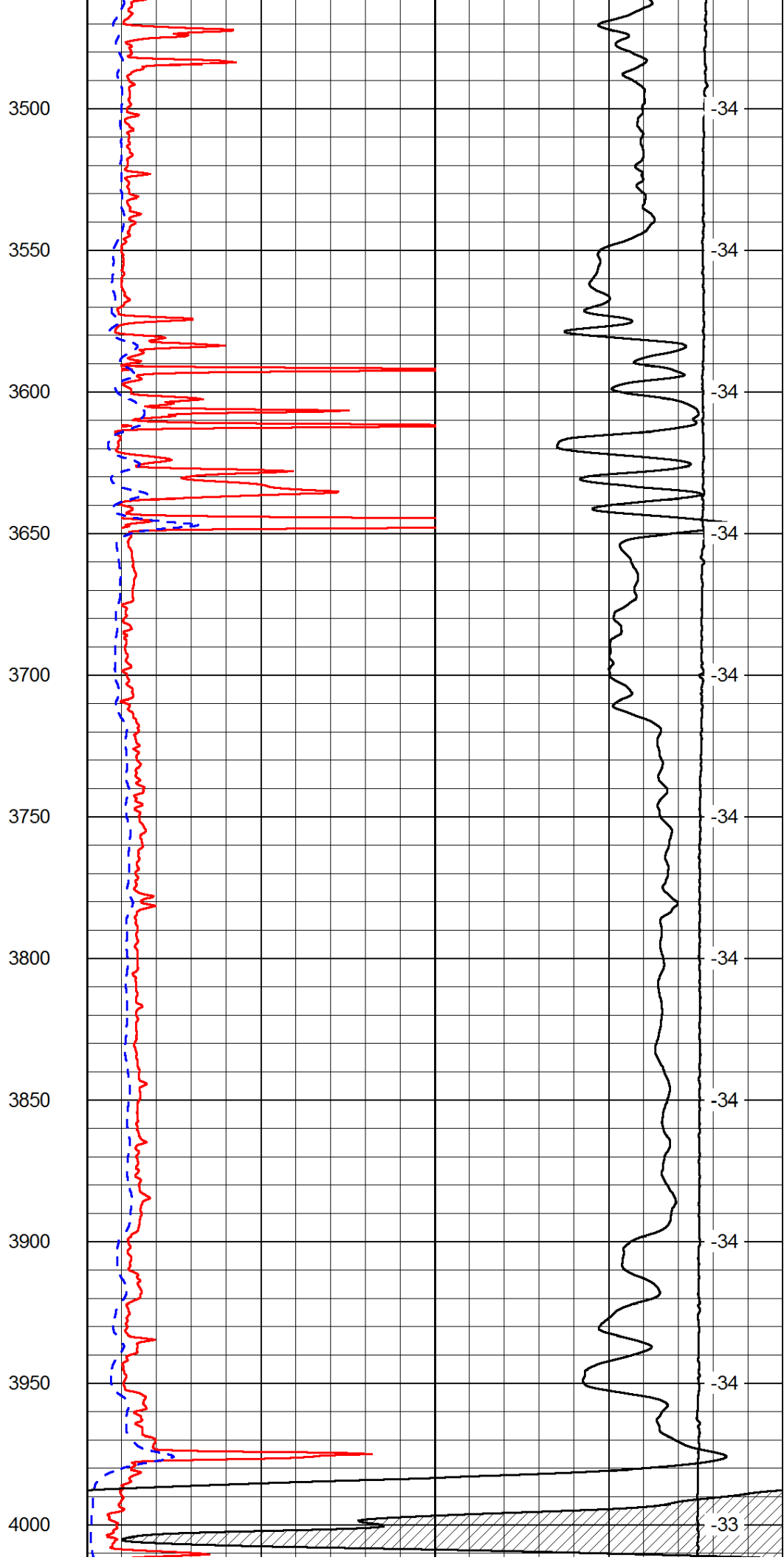
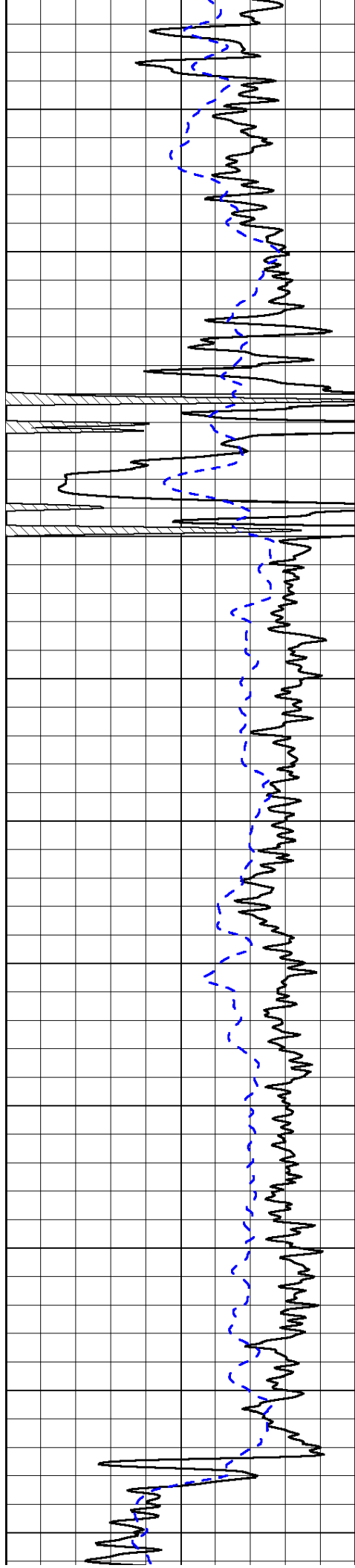


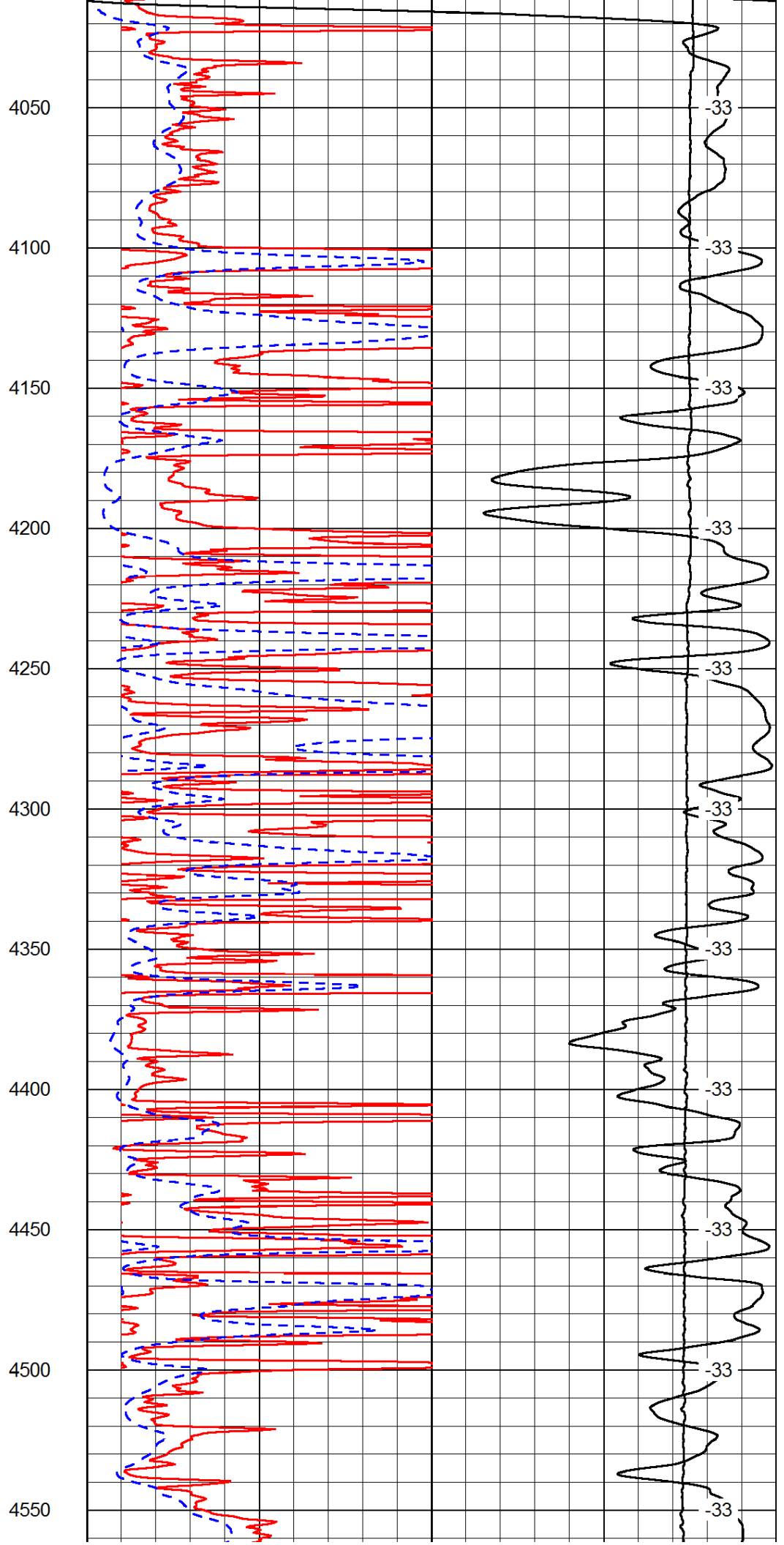
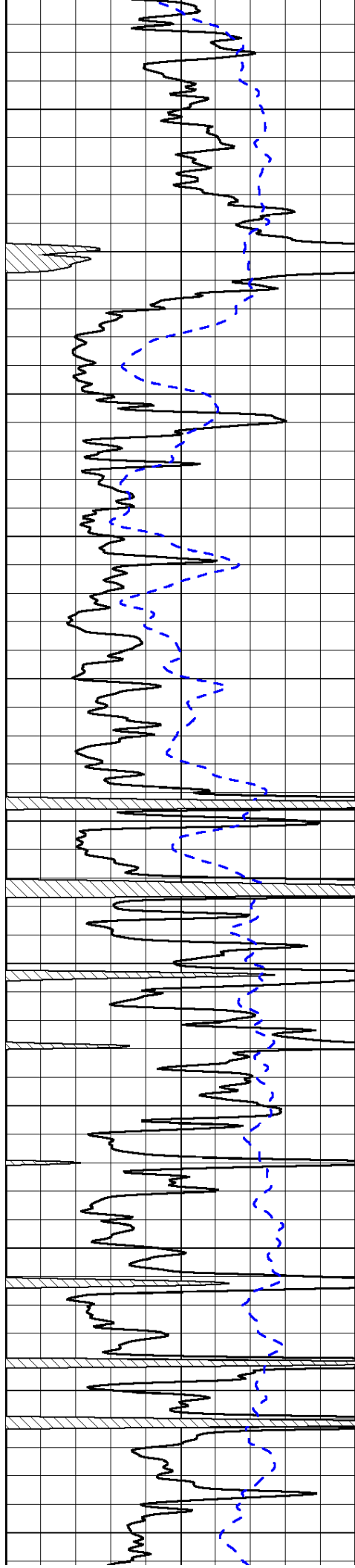


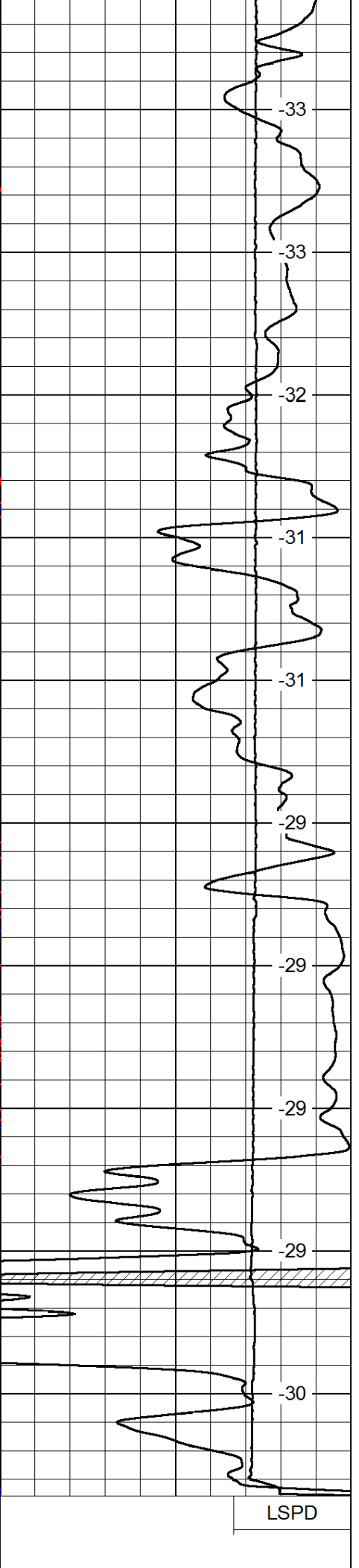
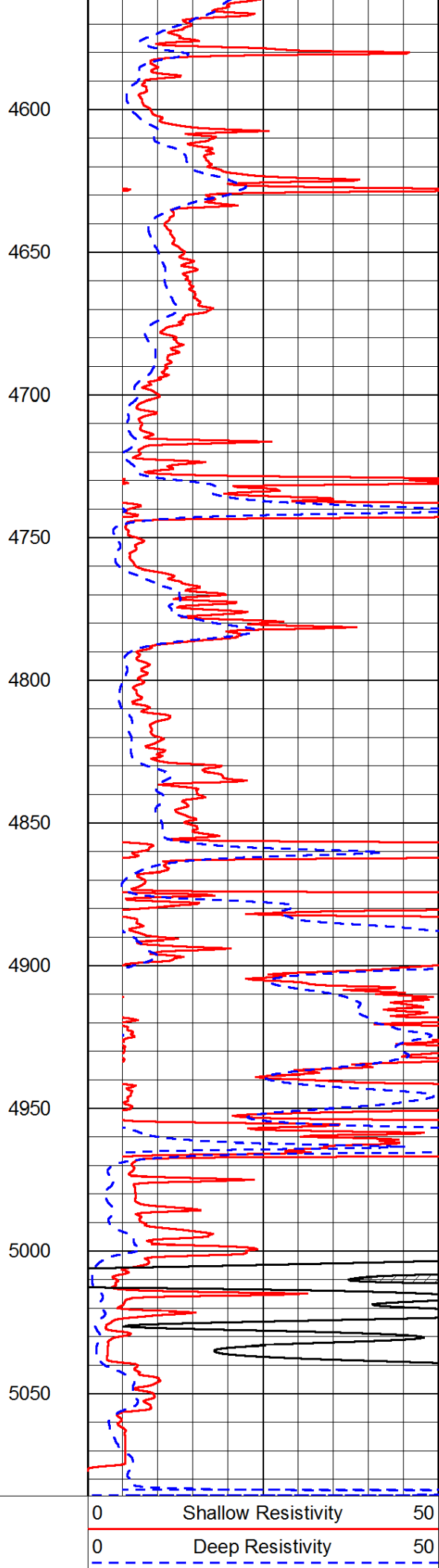
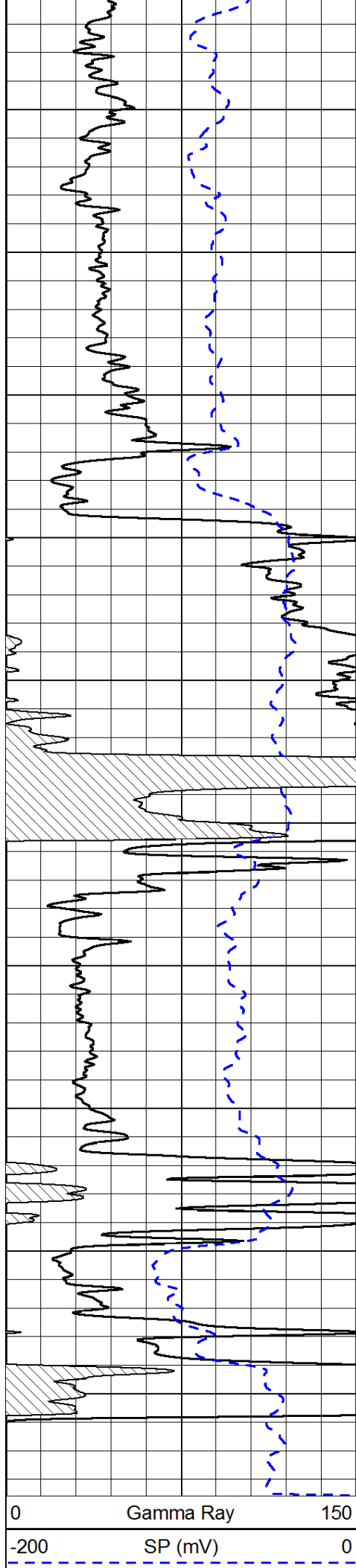












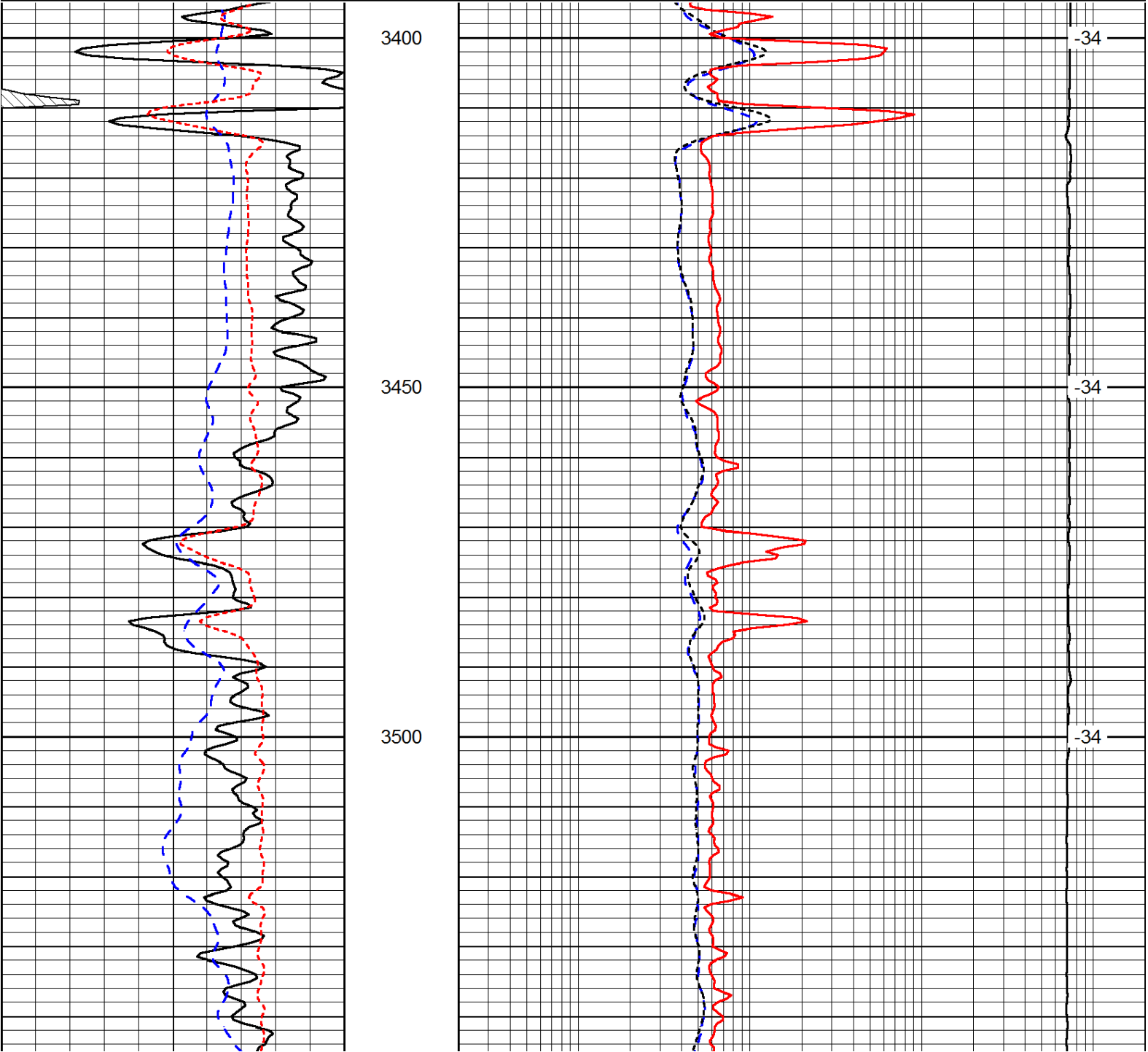
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15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

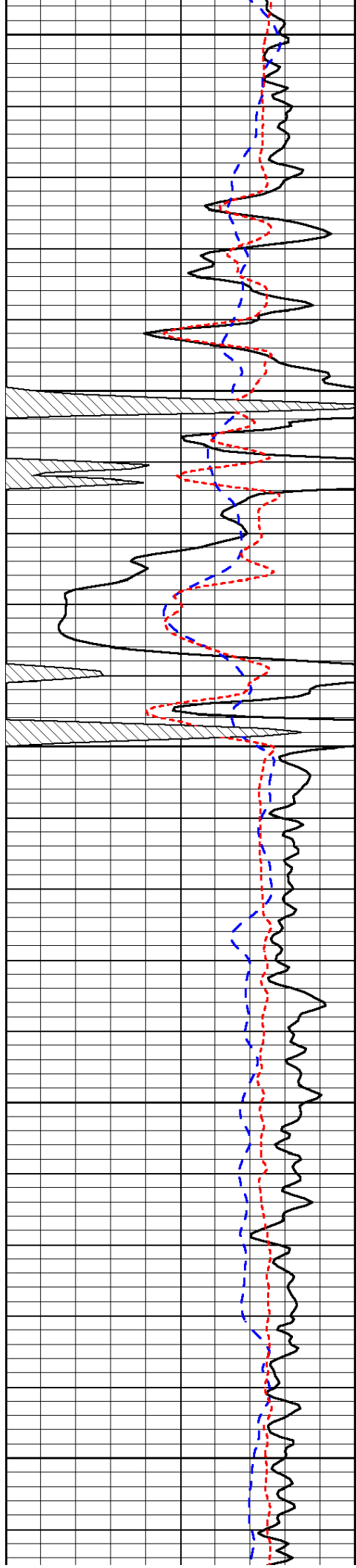
Database File:	c:\warrior\data\n-10 exploration_medicine river ranch d #9\n-10_medicineriverranch_d_9hd.db
Dataset Pathname:	dil/nstck
Presentation Format:	dil
Dataset Creation:	Mon Jan 07 16:20:33 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150
-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





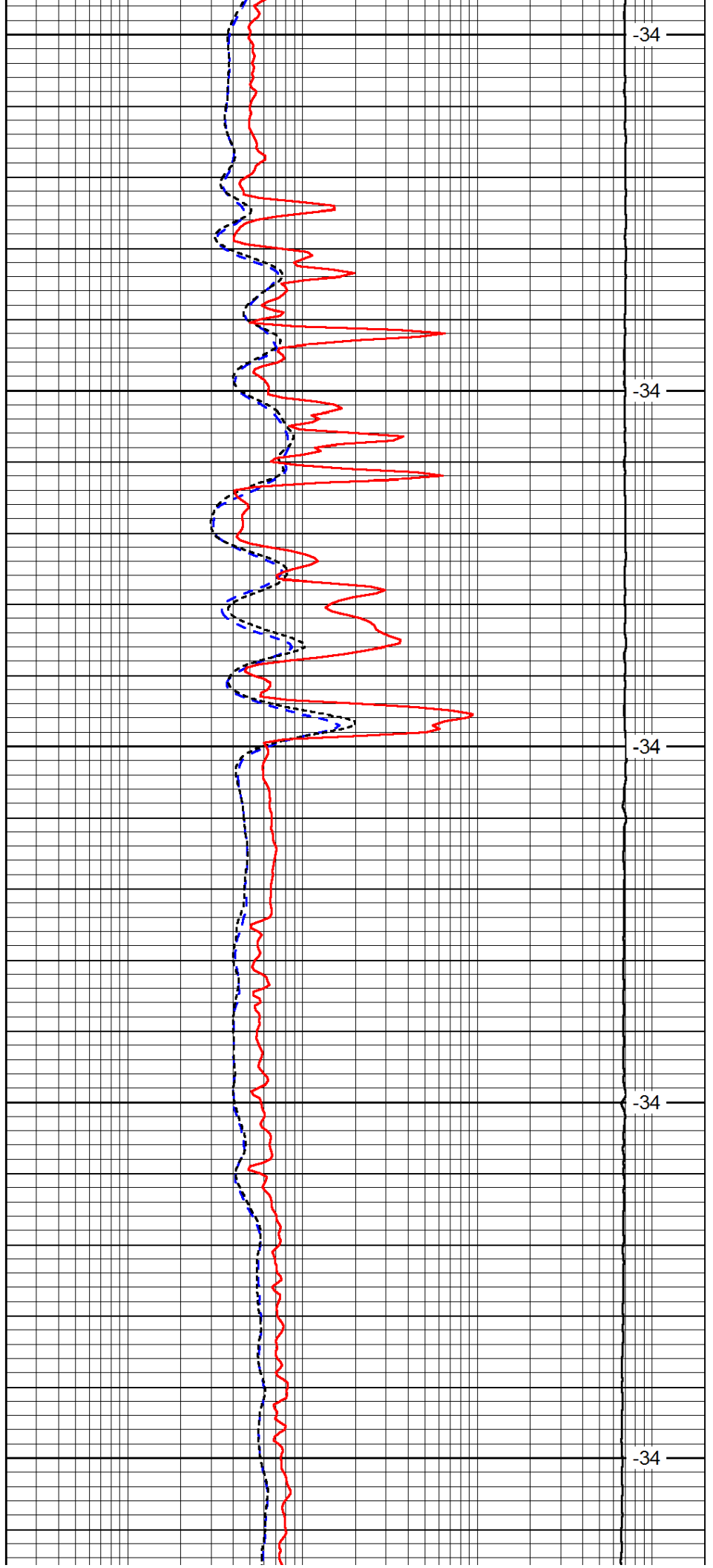
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3700

3750



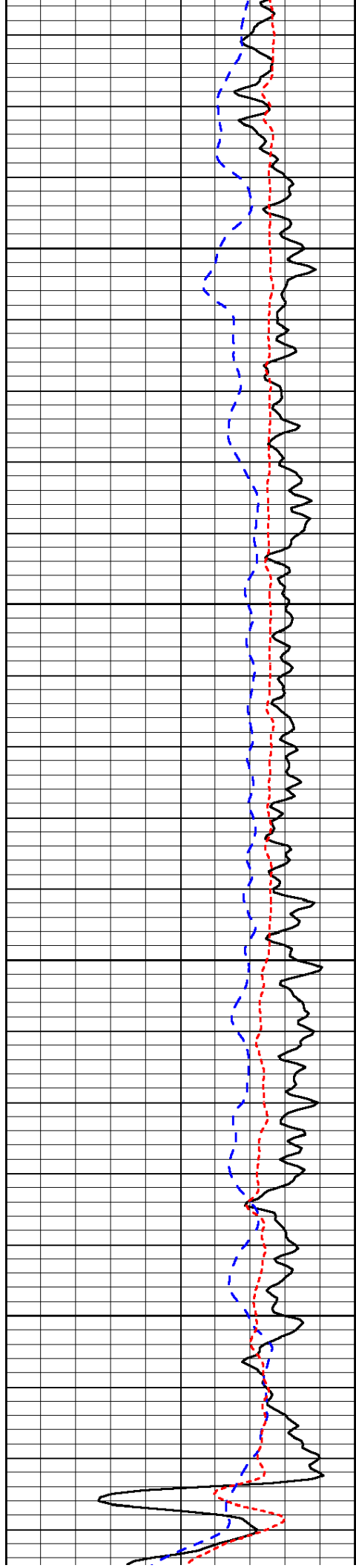
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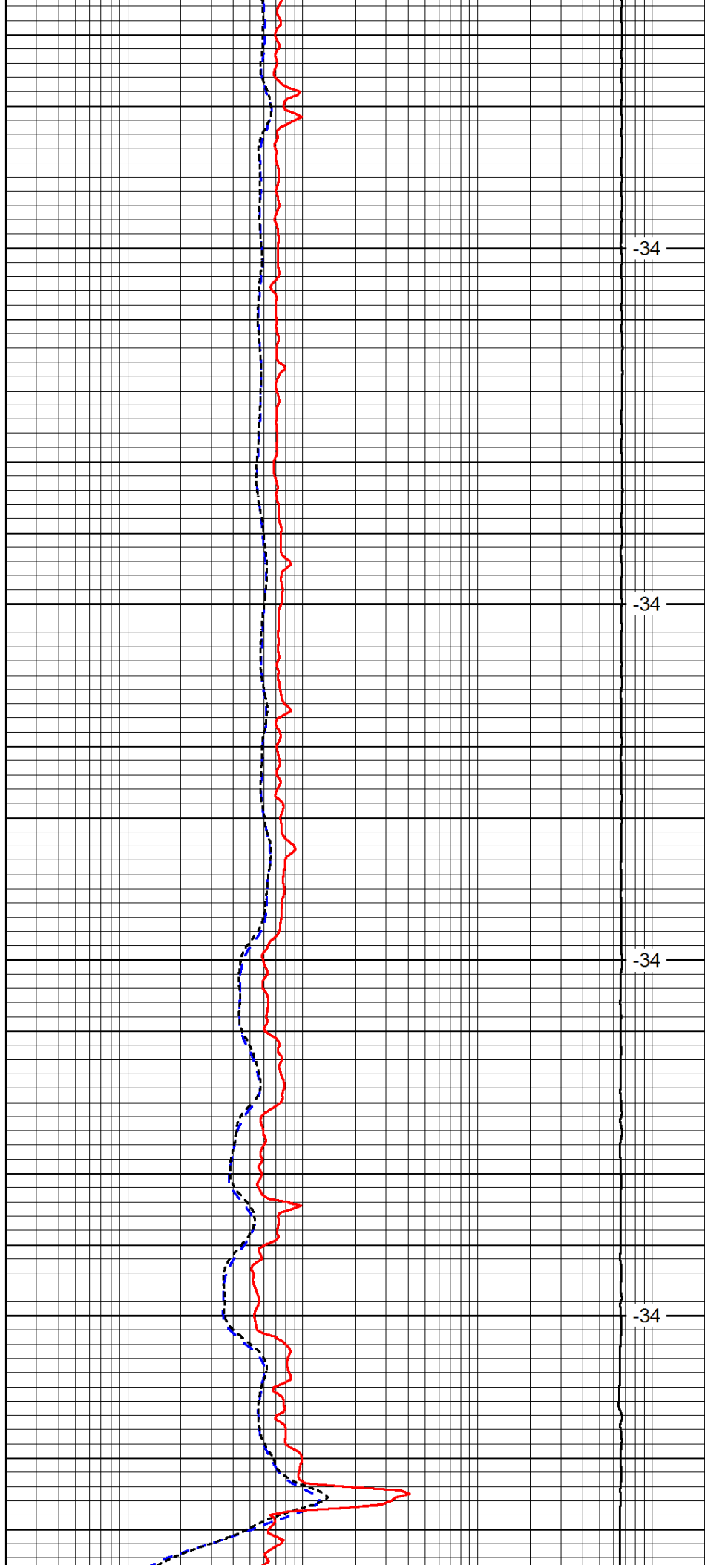


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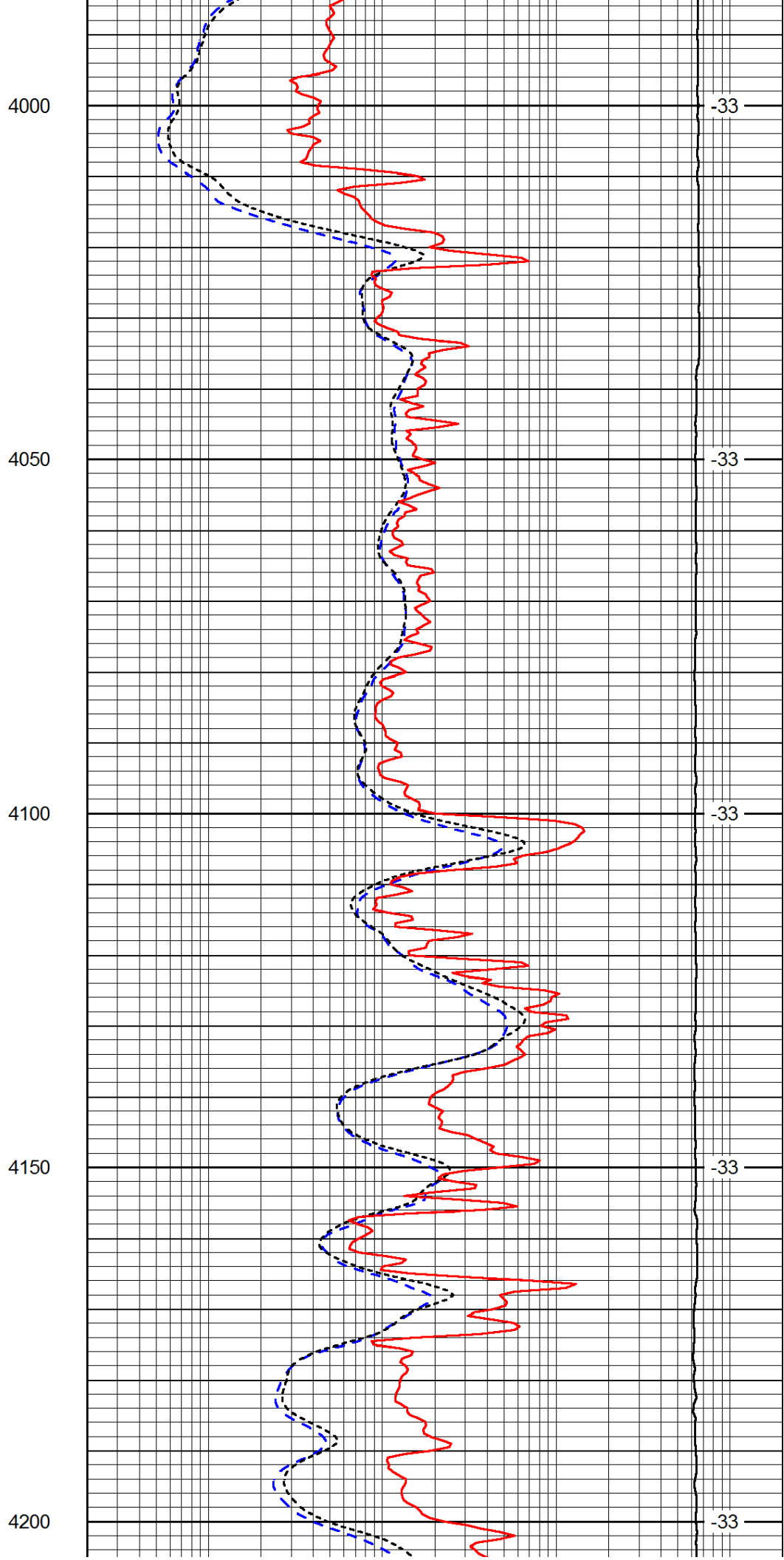
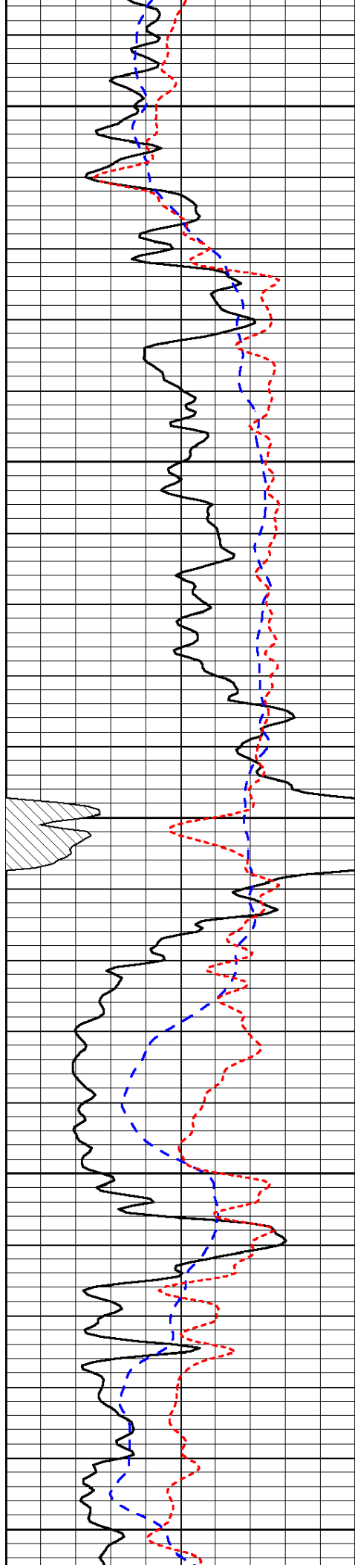


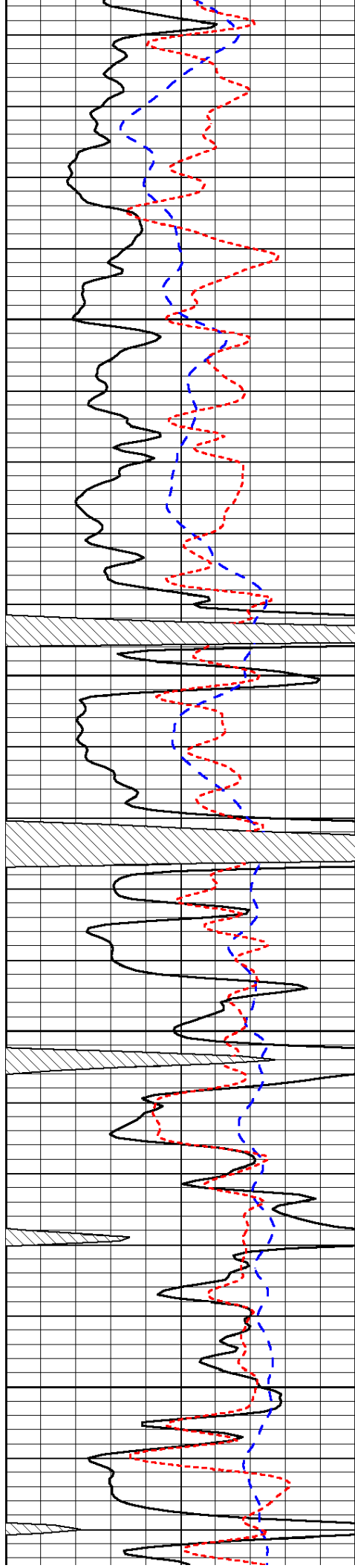
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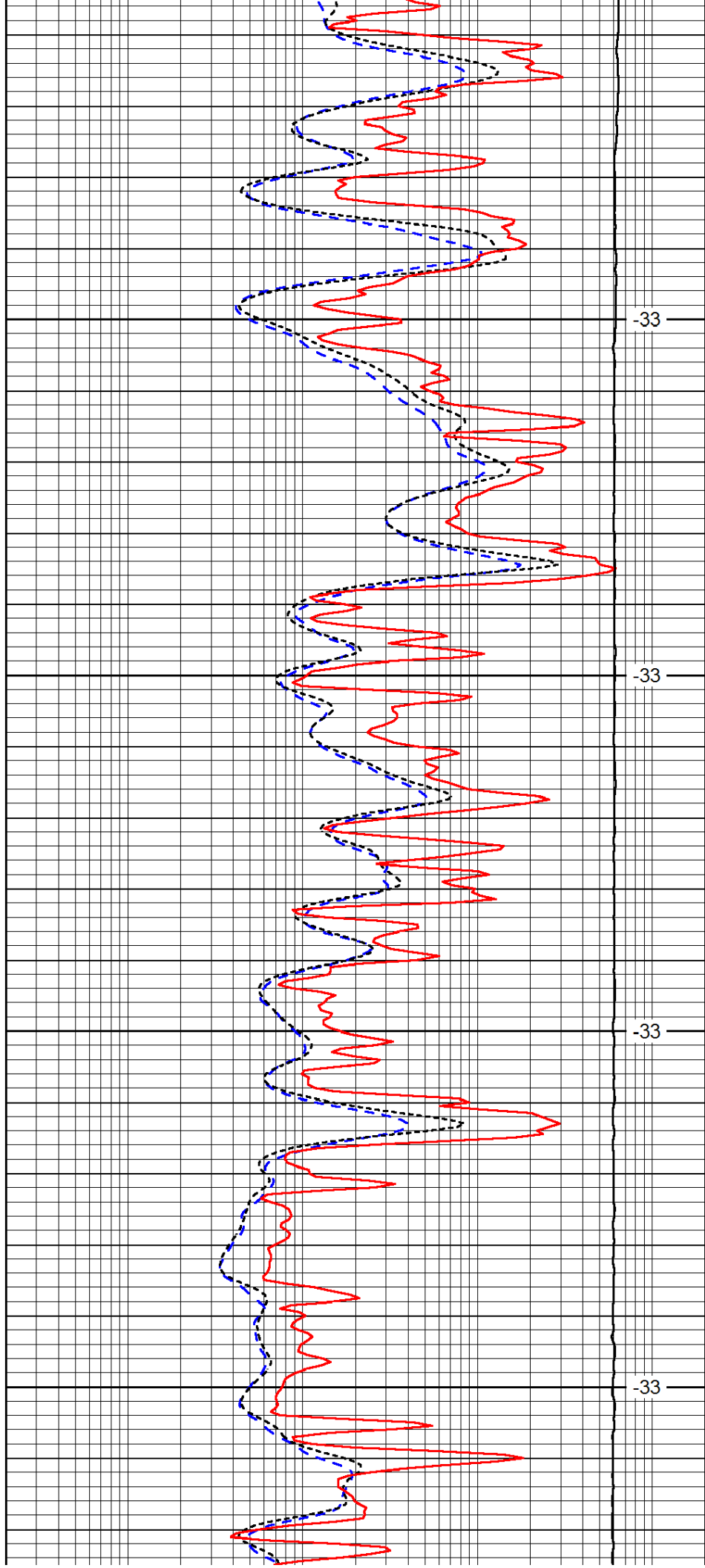


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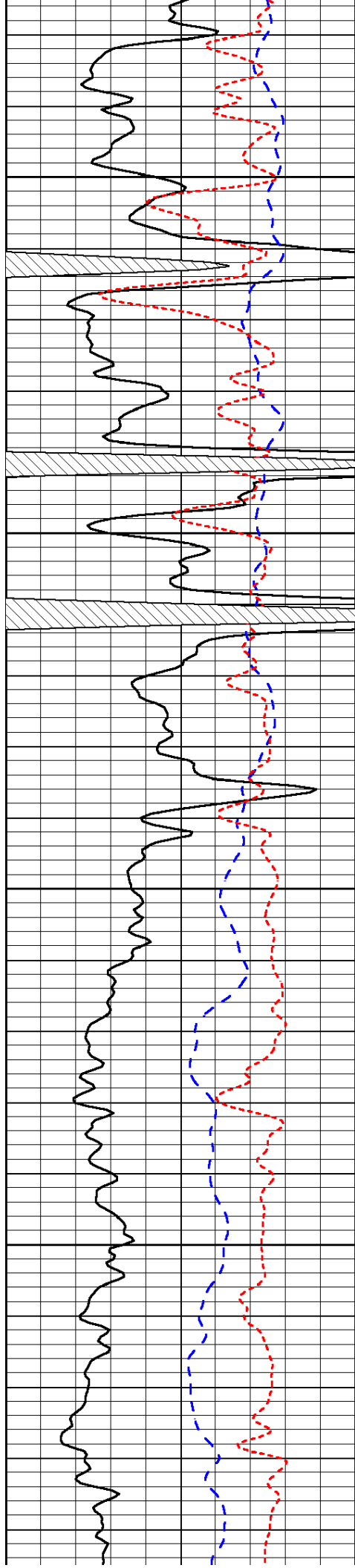


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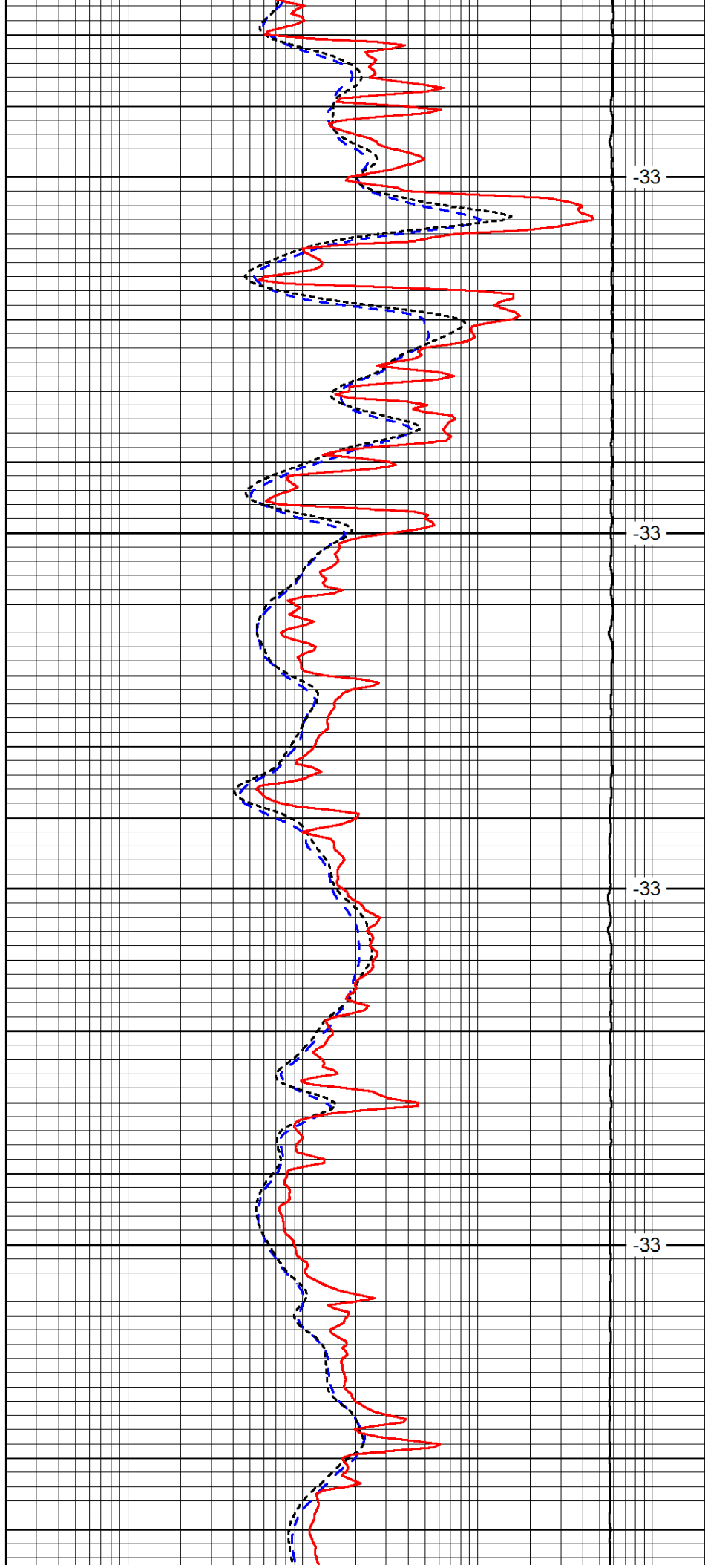


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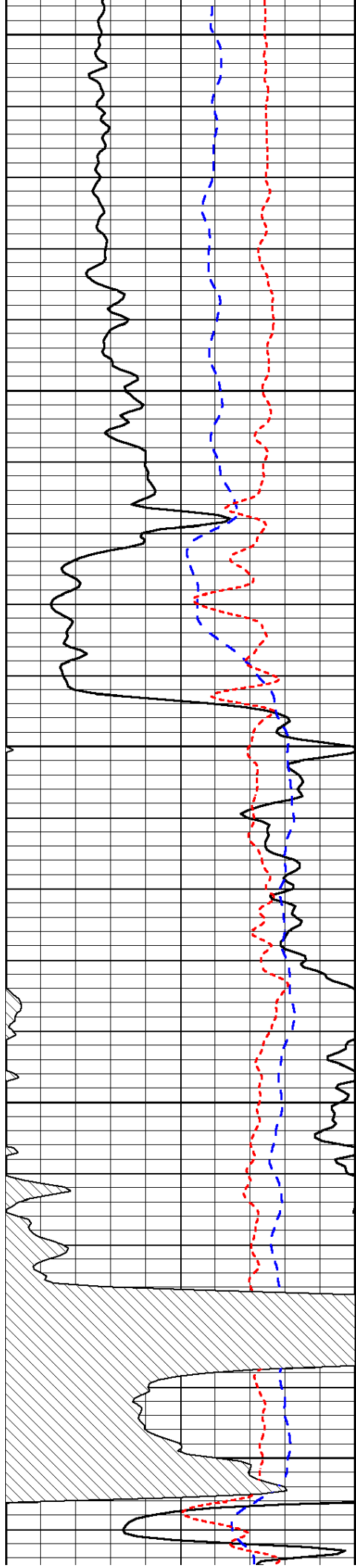


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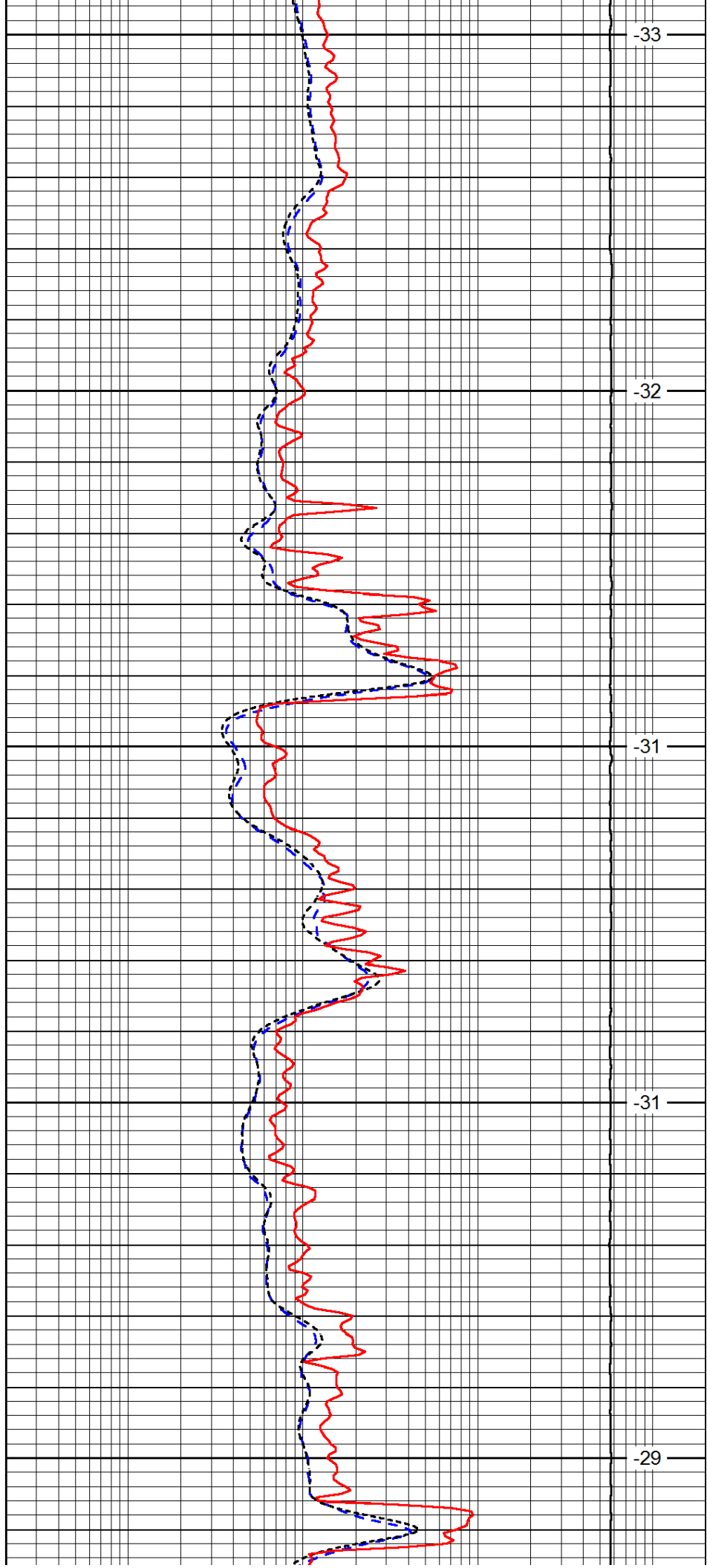
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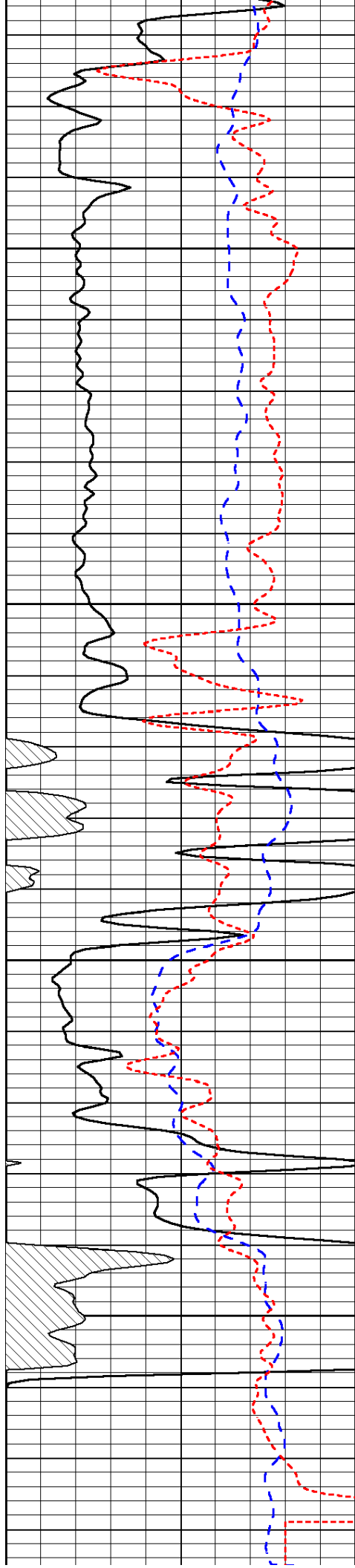
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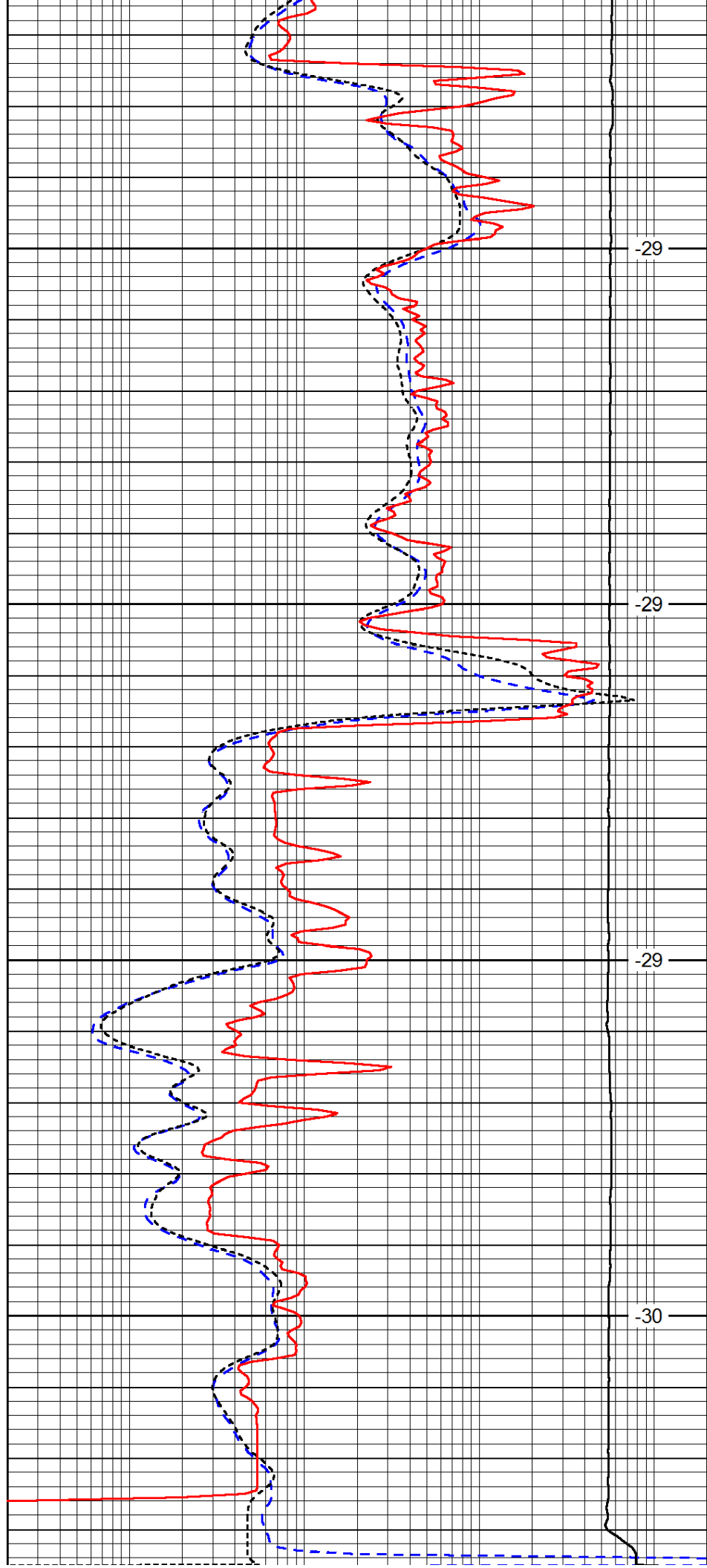


4900

4950

5000

5050



-29

-29

-29

-30

0	Gamma Ray	150
-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