



Dual Induction Log

Pioneer Energy Services

API No.	Company Landmark Resources, Inc.		
	Well Decker No. 1-3		
	Field Wildcat		
	County Scott	State	Kansas
	Location	SW NE NE SE 2250' FSL & 520' FEL	
	Sec: 3	Twp: 17 S	Rge: 34 W
	Permanent Datum	Ground Level	Elevation 3117
	Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum
	Drilling Measured From	From Kelly Bushing	K.B. 3128 D.F. 3117 G.L. 3117
Date	10/18/2012		
Run Number	One		
Depth Driller	4860		
Depth Logger	4858		
Bottom Logged Interval	4857		
Top Log Interval	250		
Casing Driller	8.625 @ 265		
Casing Logger	263		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	5000		
Density / Viscosity	9.3 58		
pH / Fluid Loss	10.5 7.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.45 @ 68		
Rmf @ Meas. Temp	.34 @ 68		
Rmc @ Meas. Temp	.61 @ 68		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.25 @ 125		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	125		
Equipment Number	15		
Location	Hays		
Recorded By	D. Kerr		
Witnessed By	Terry McLeod		

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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.

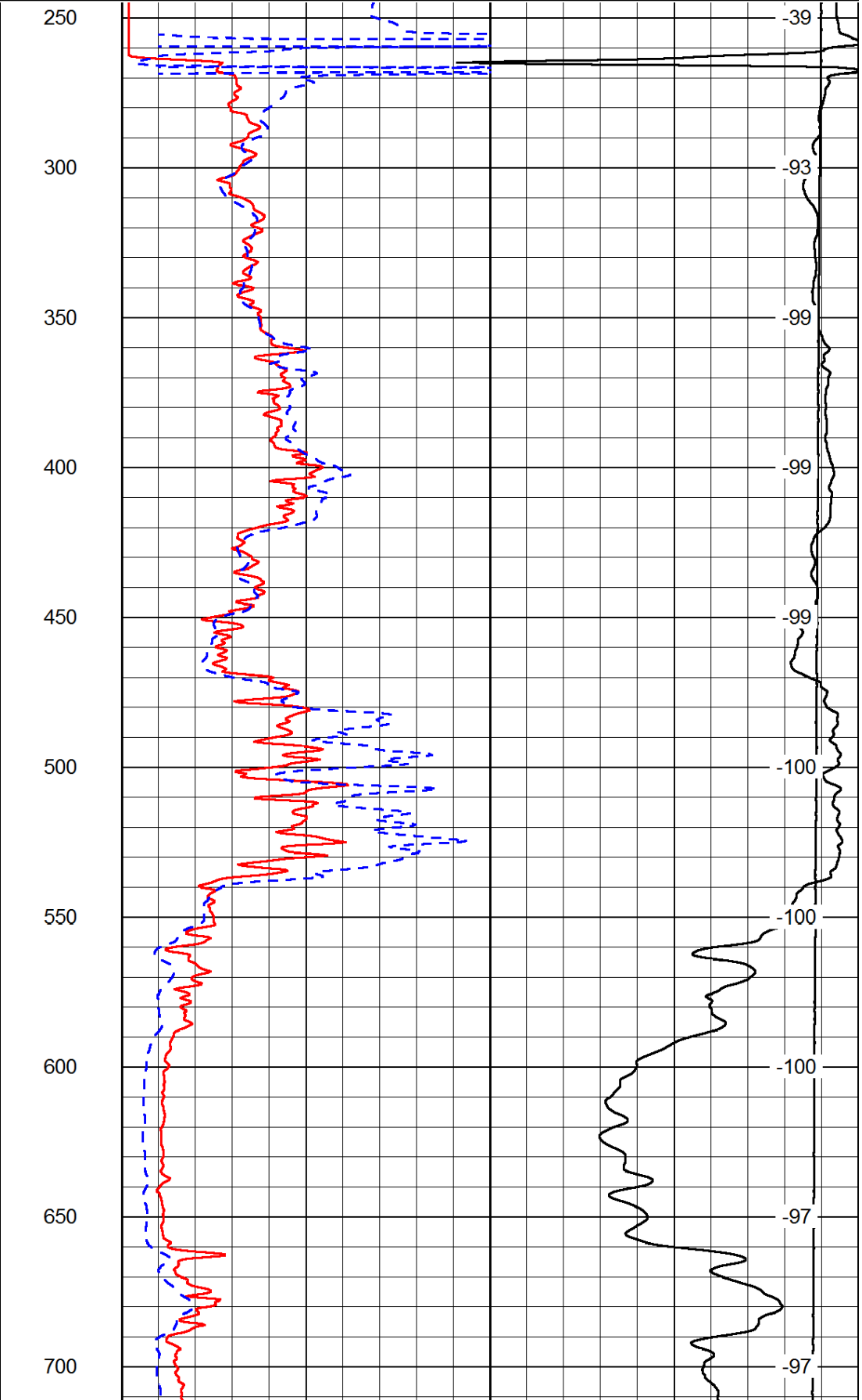
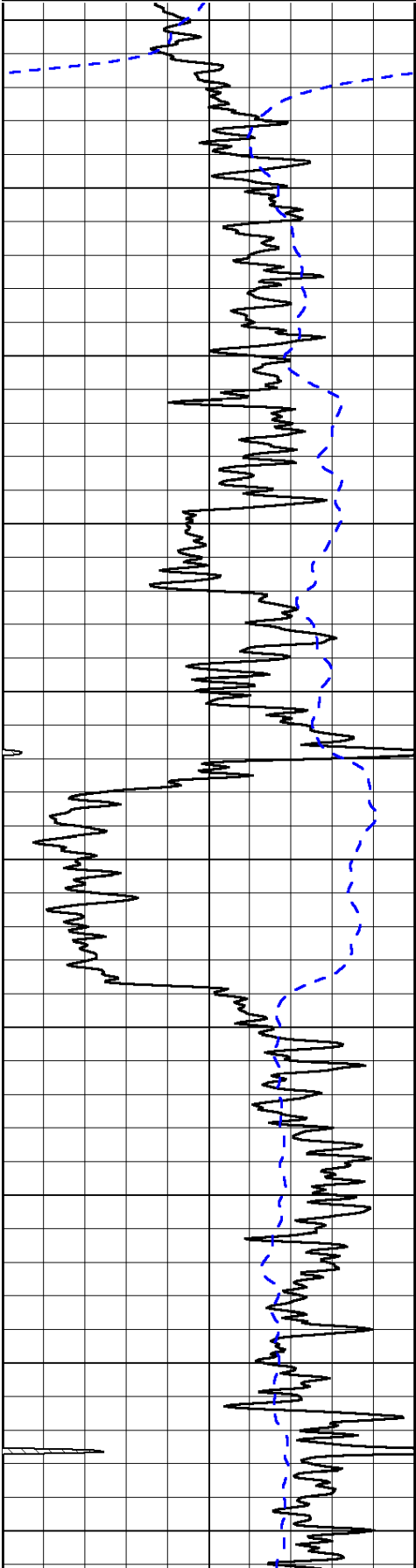
Comments

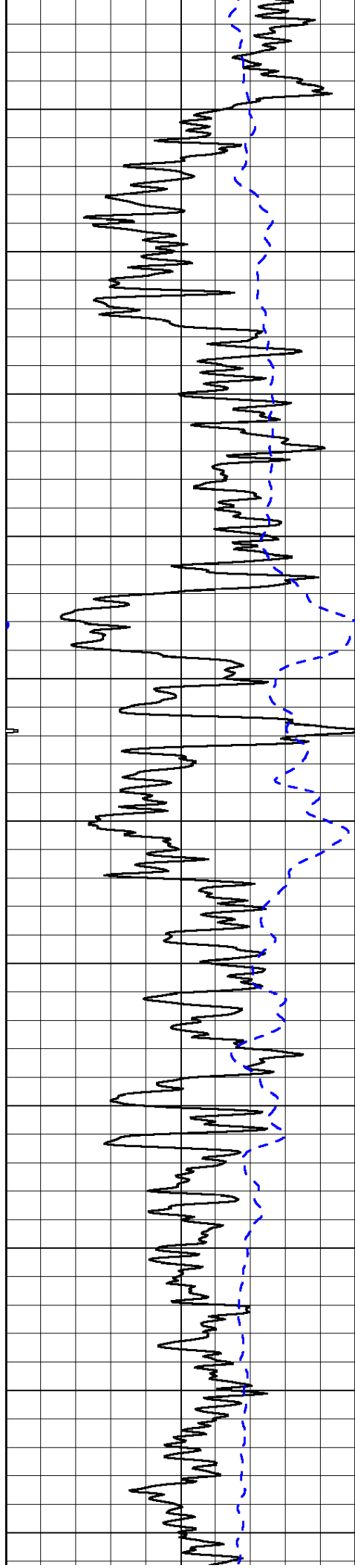
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Healy KS West to HWY 83, 4 West,
1 North, 4 West, 1/2 South, West Into

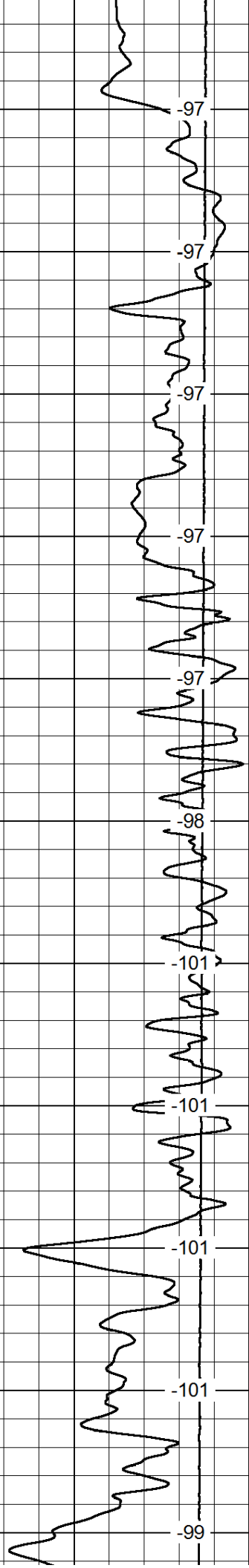
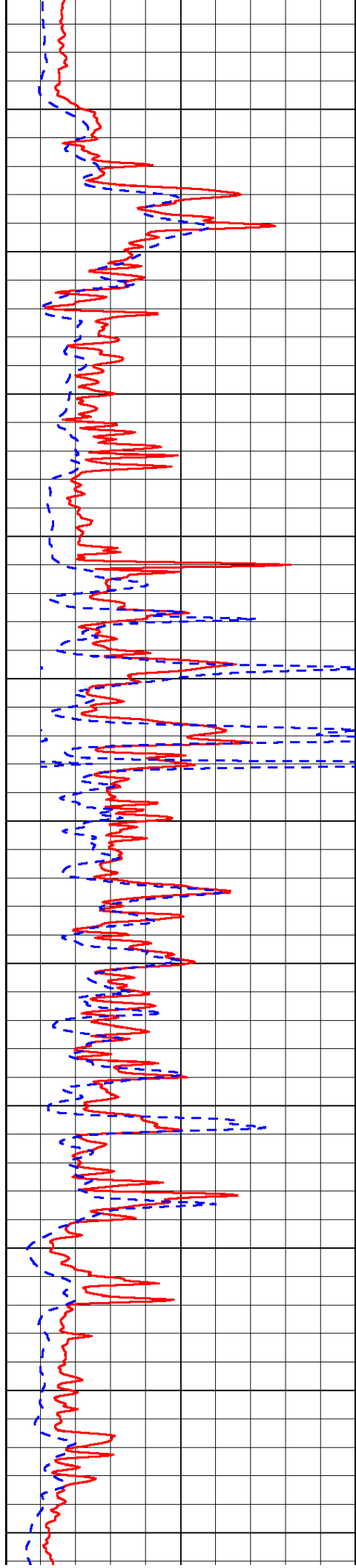
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Presentation Format: dil2in
Dataset Creation: Thu Oct 18 03:40:09 2012
Charted by: Depth in Feet scaled 1:600

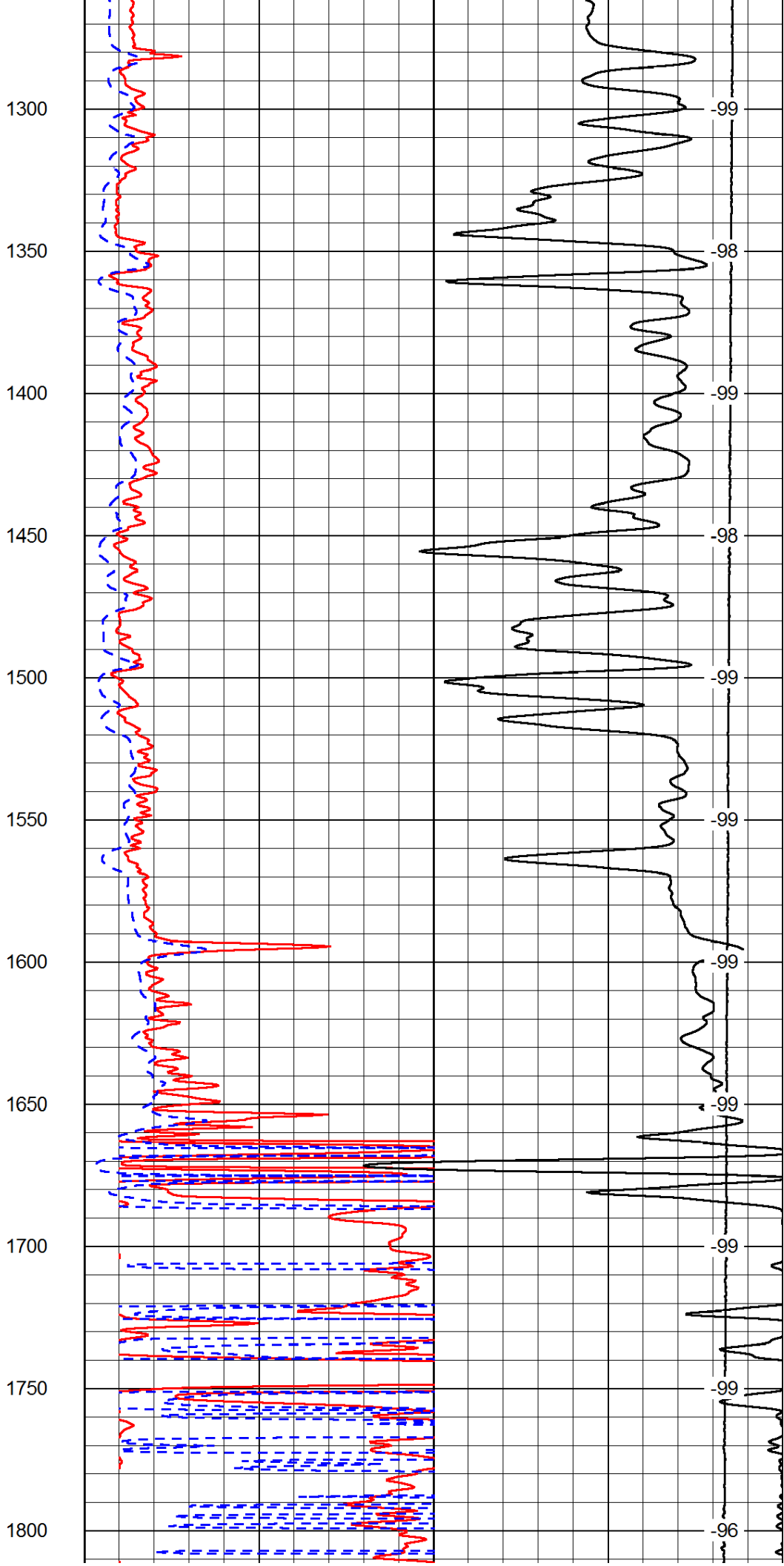
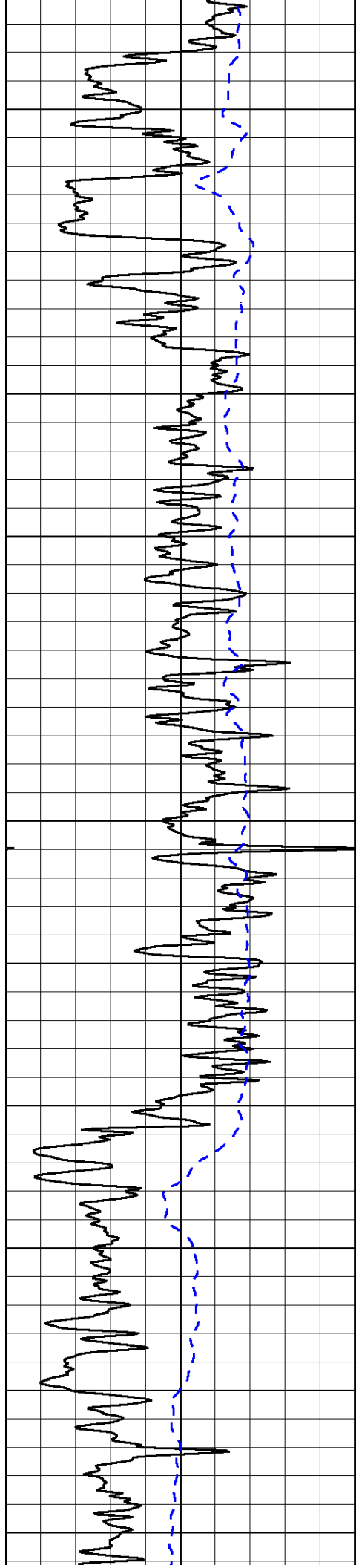
Charted by: _____ Depth in Feet scaled 1:600								
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD		
-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

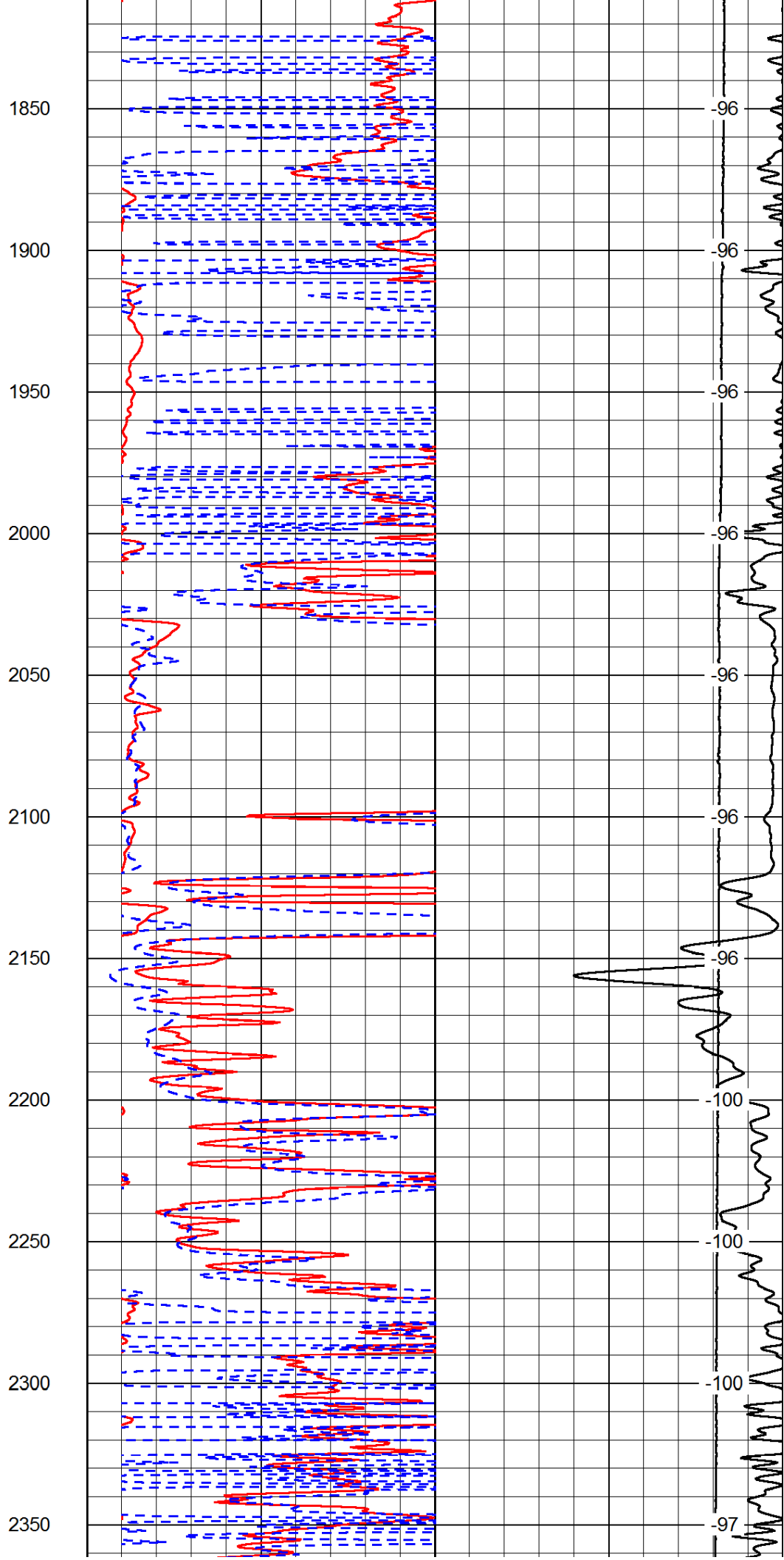
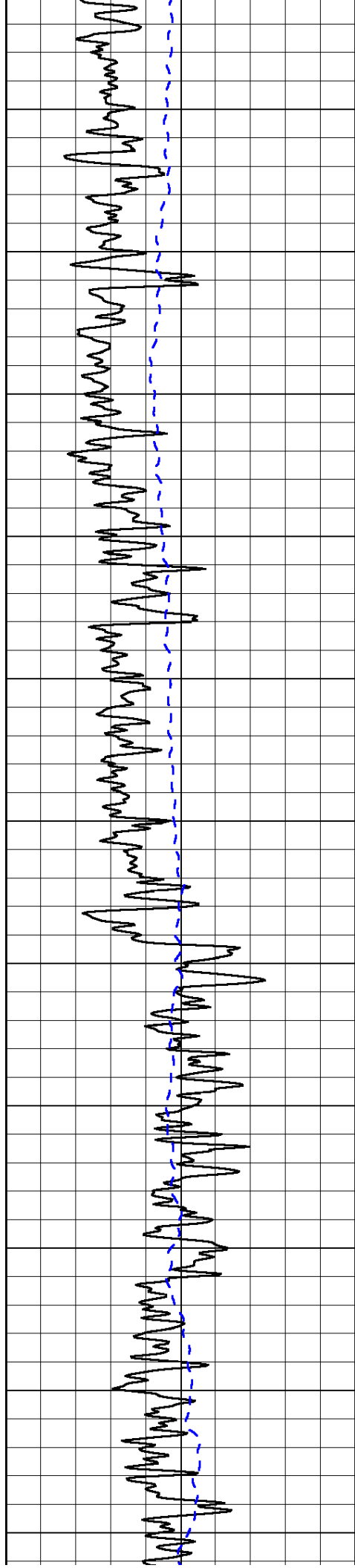


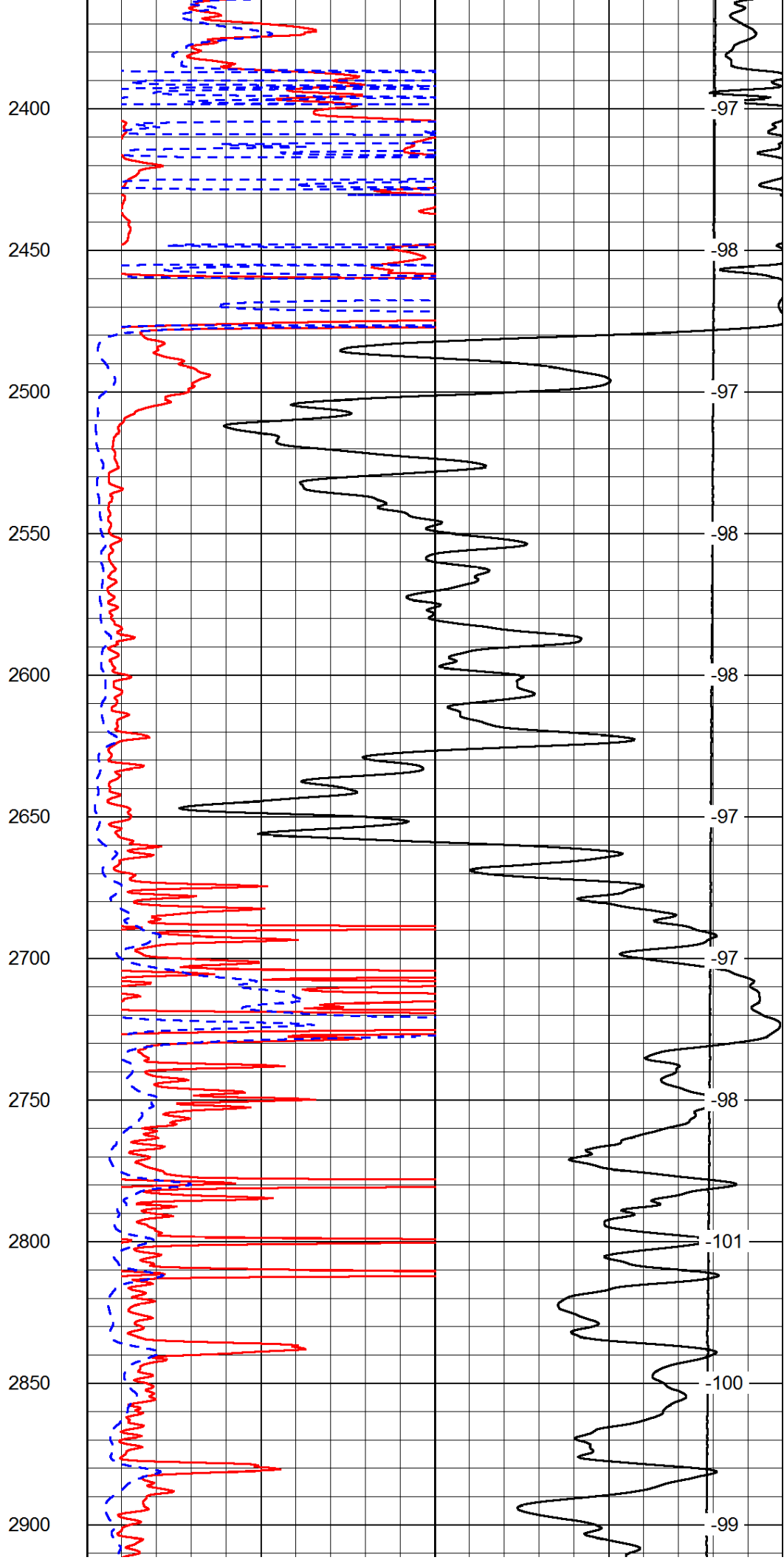
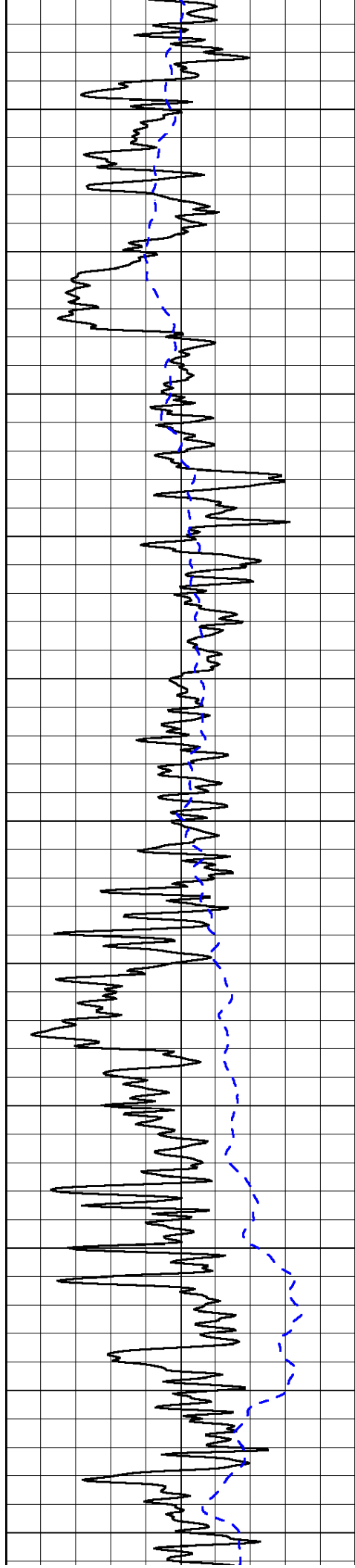


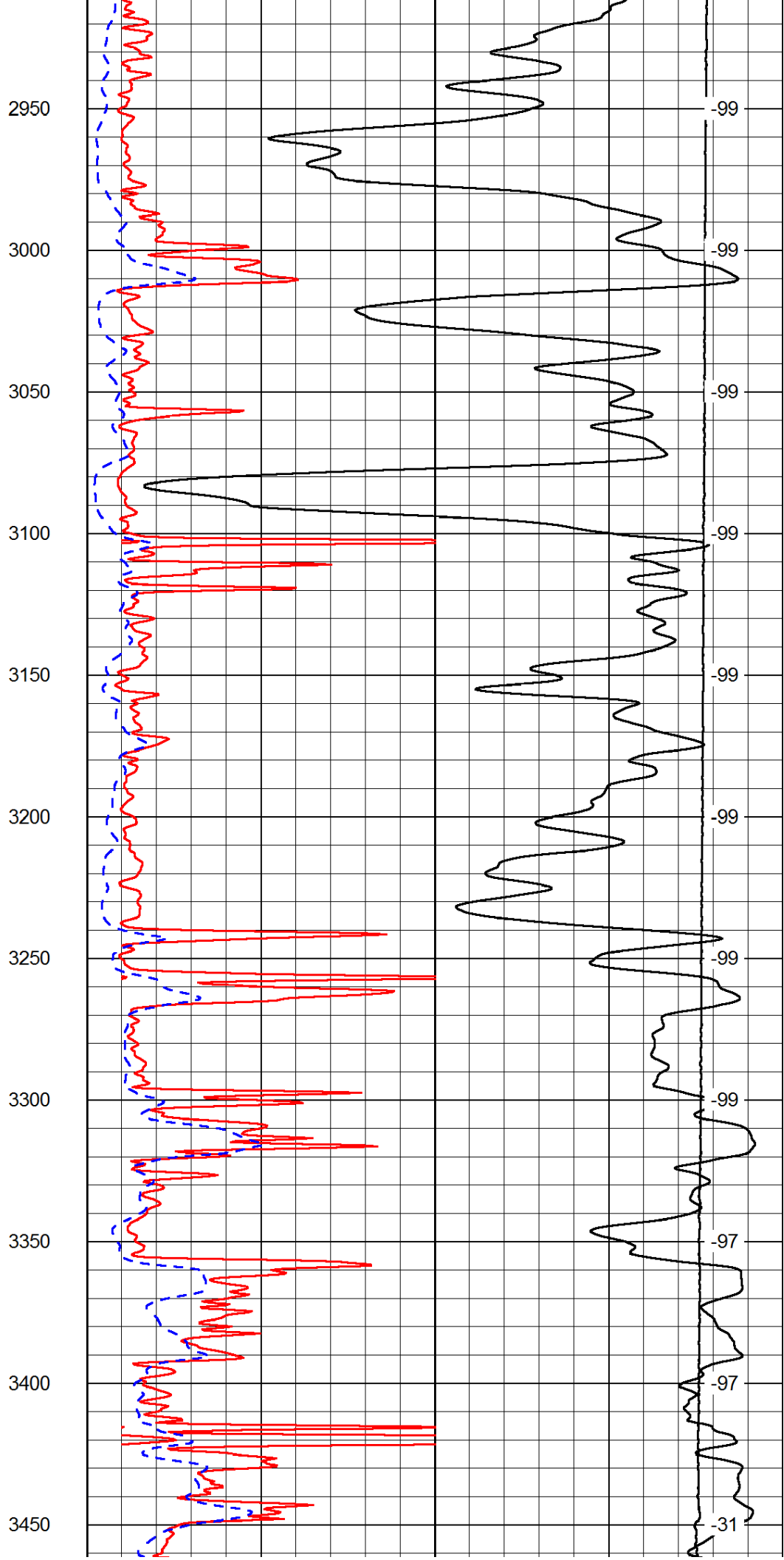
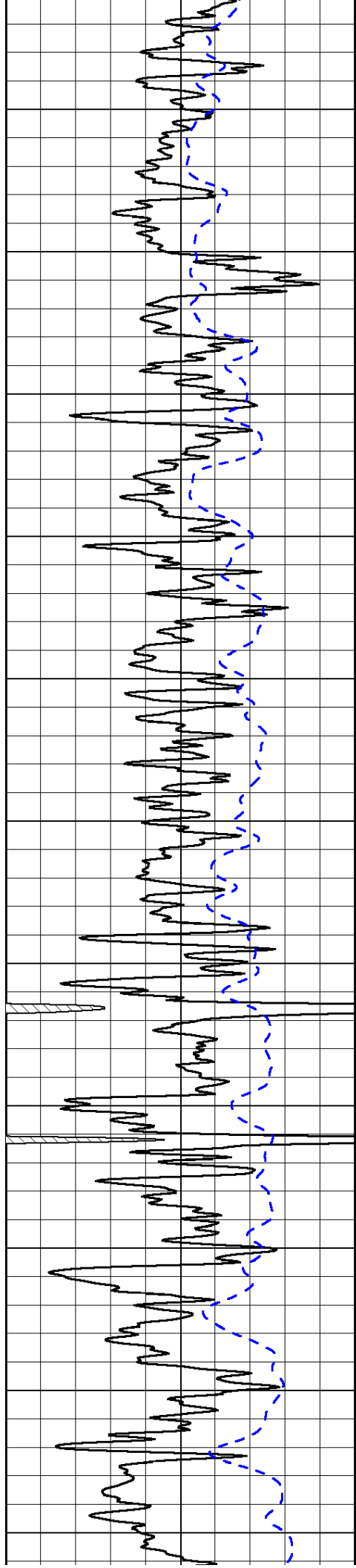
750
800
850
900
950
1000
1050
1100
1150
1200
1250

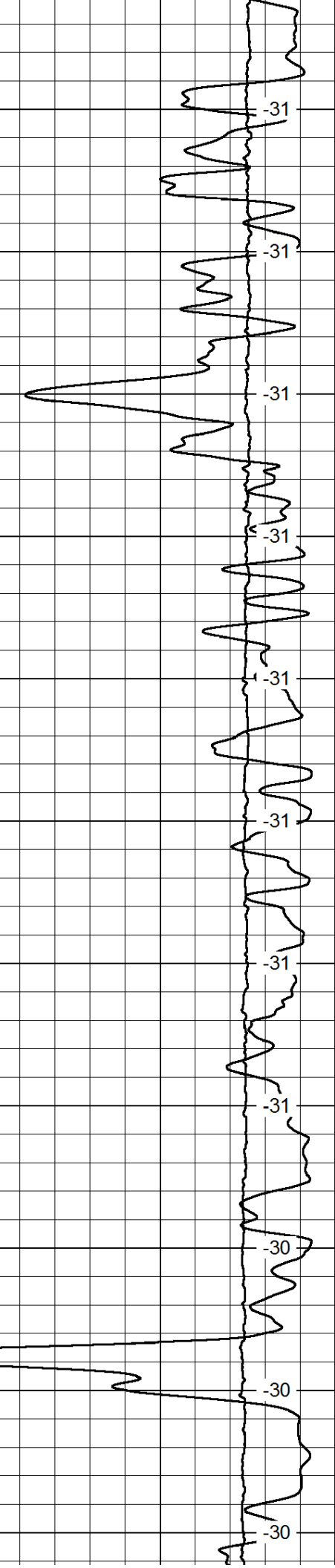
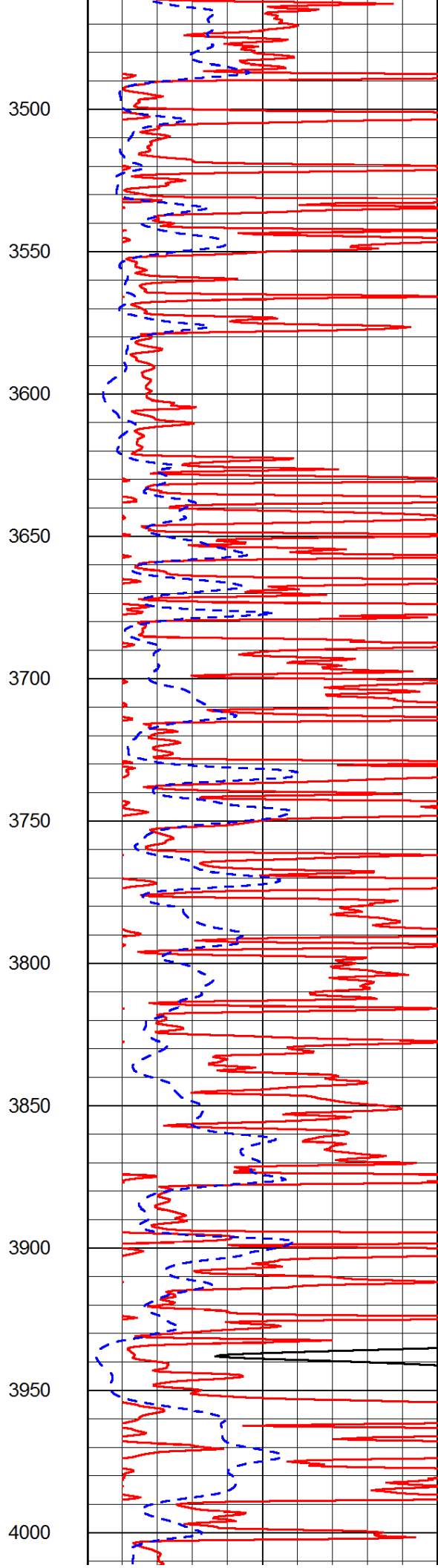
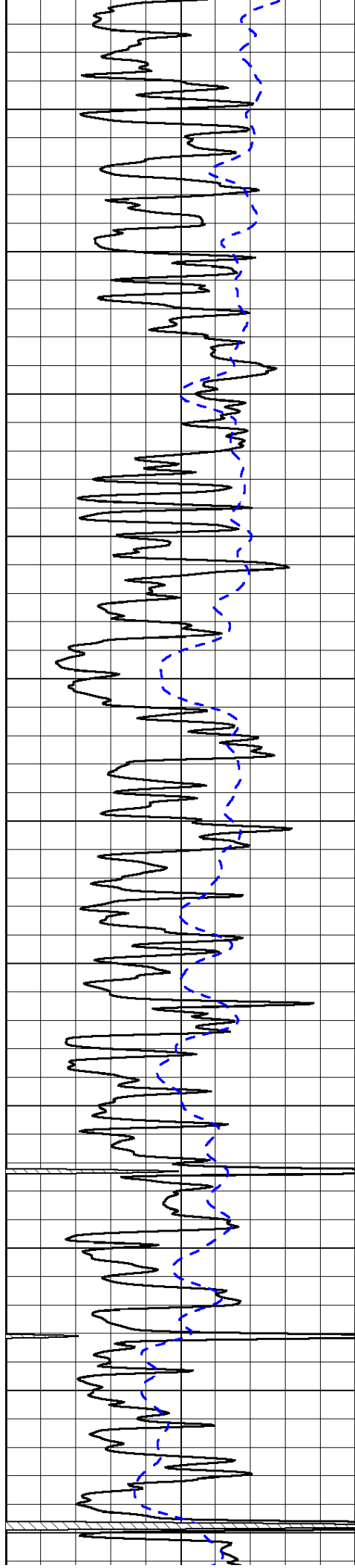


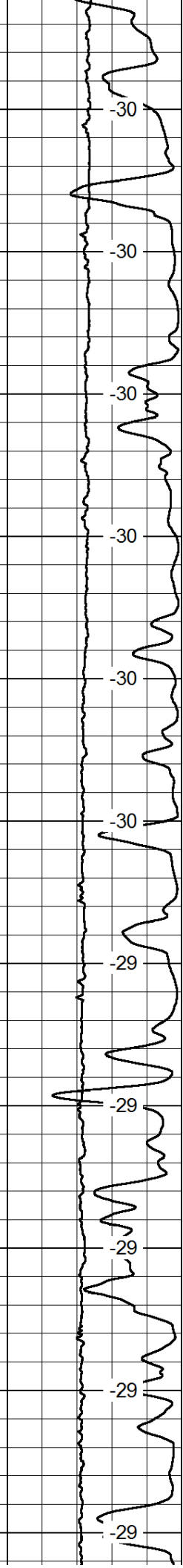
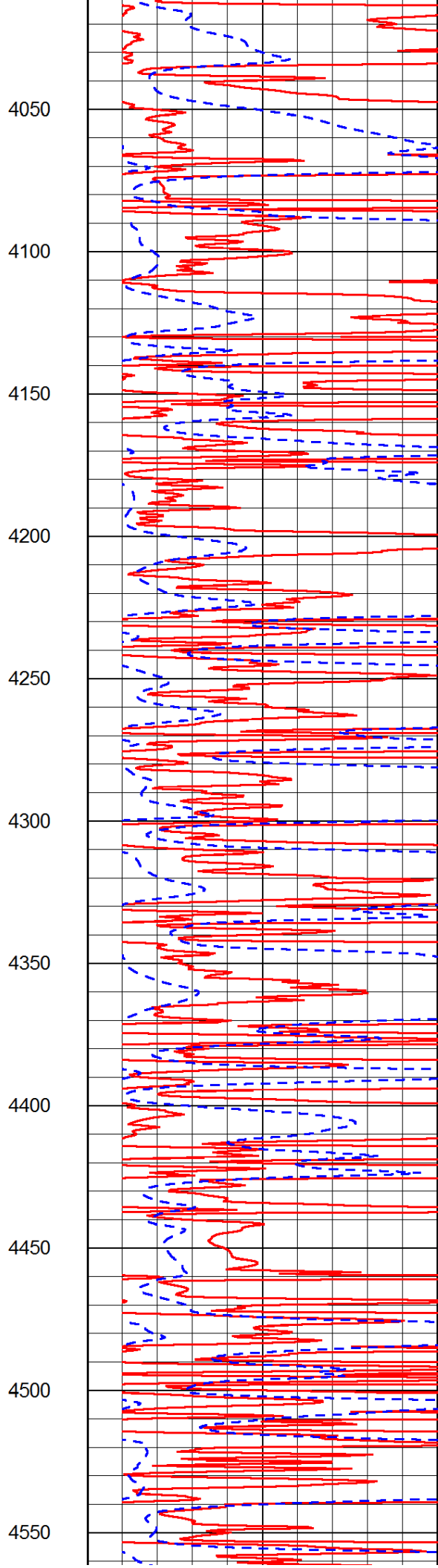
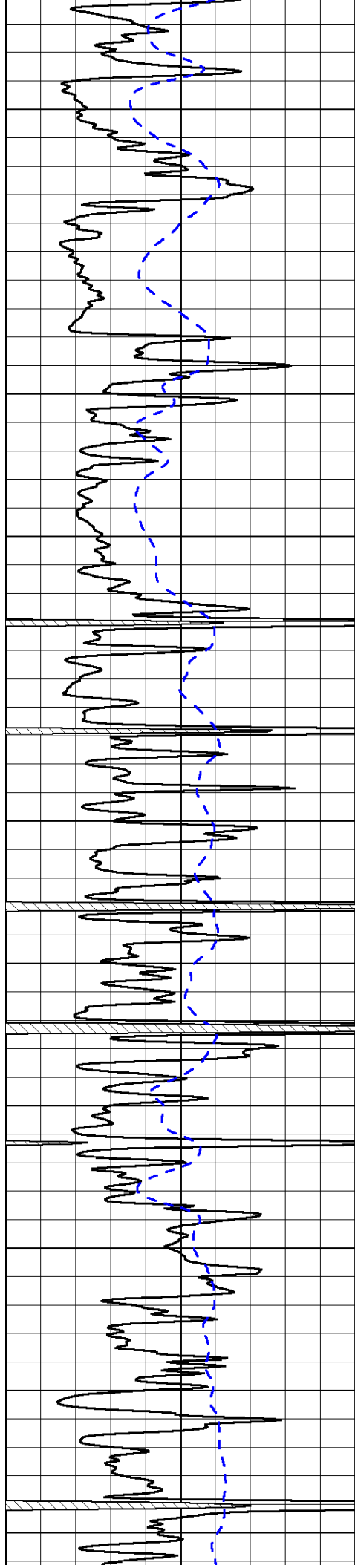


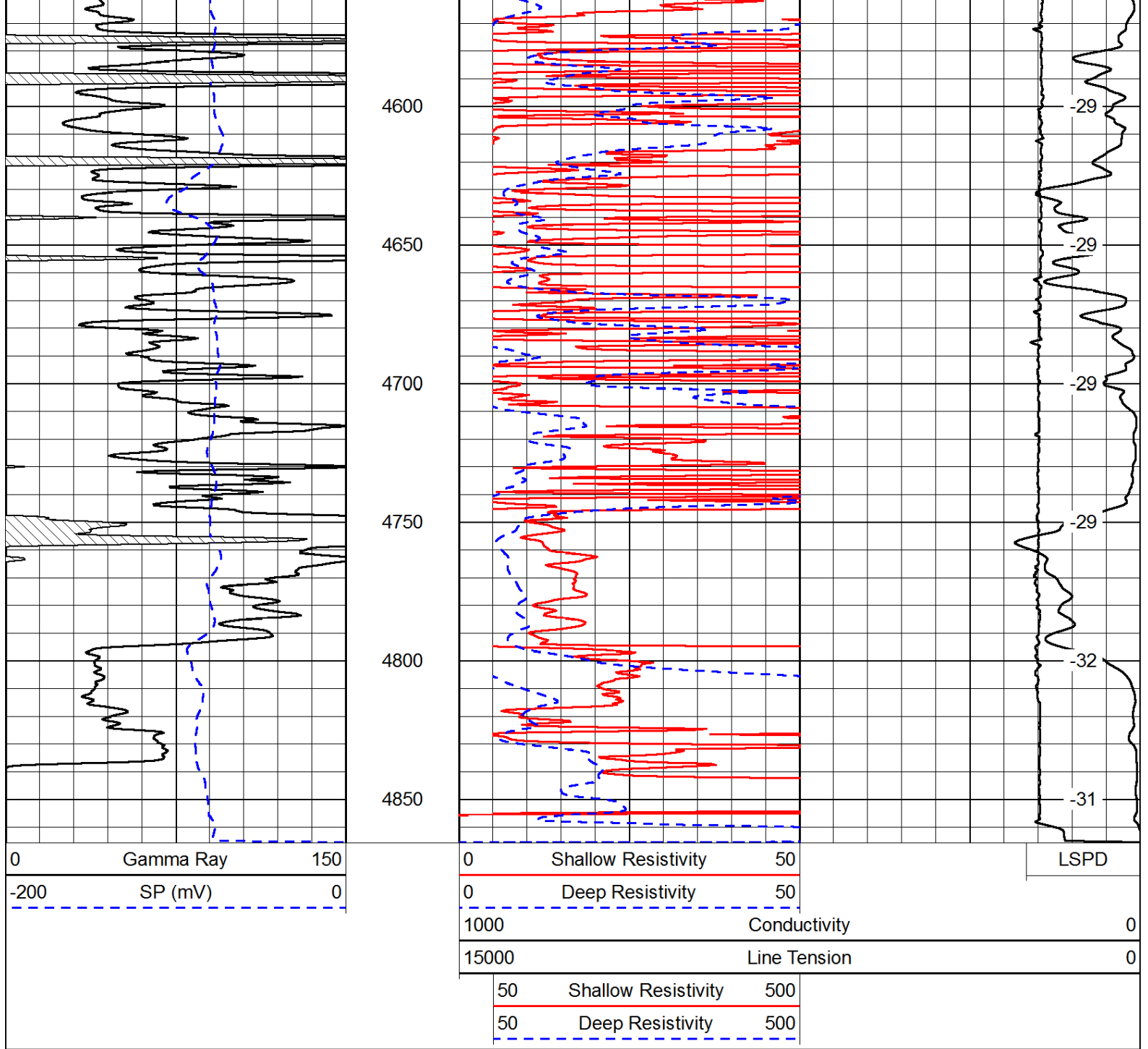




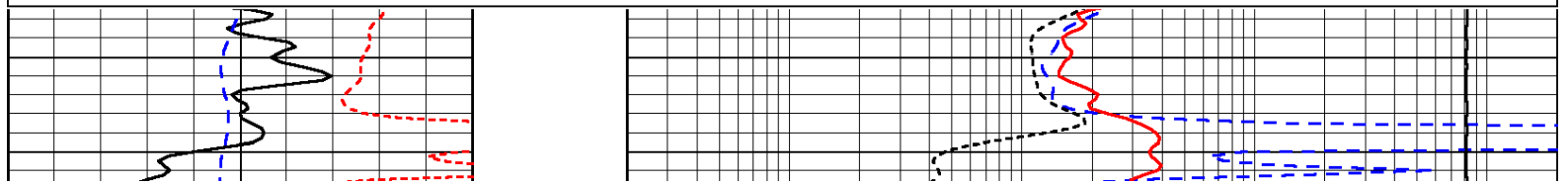
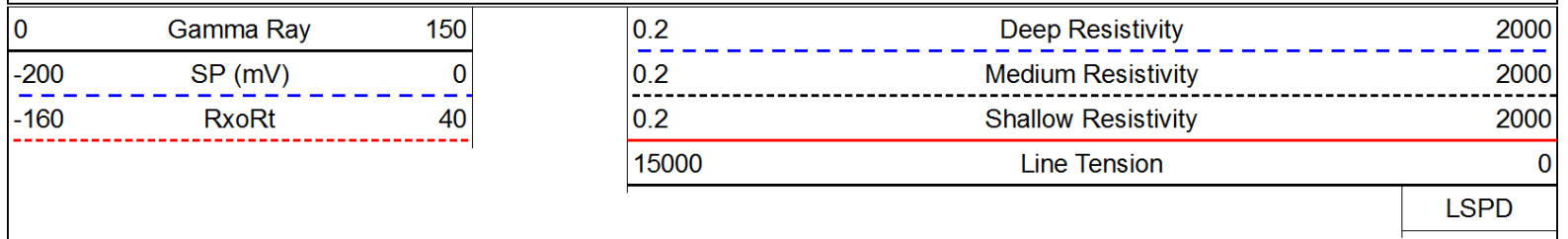


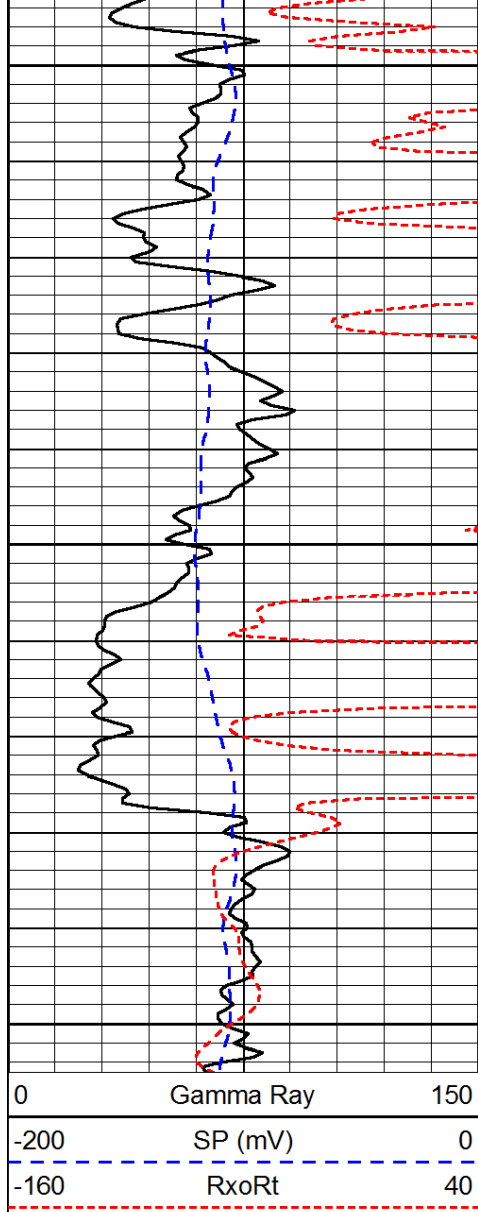






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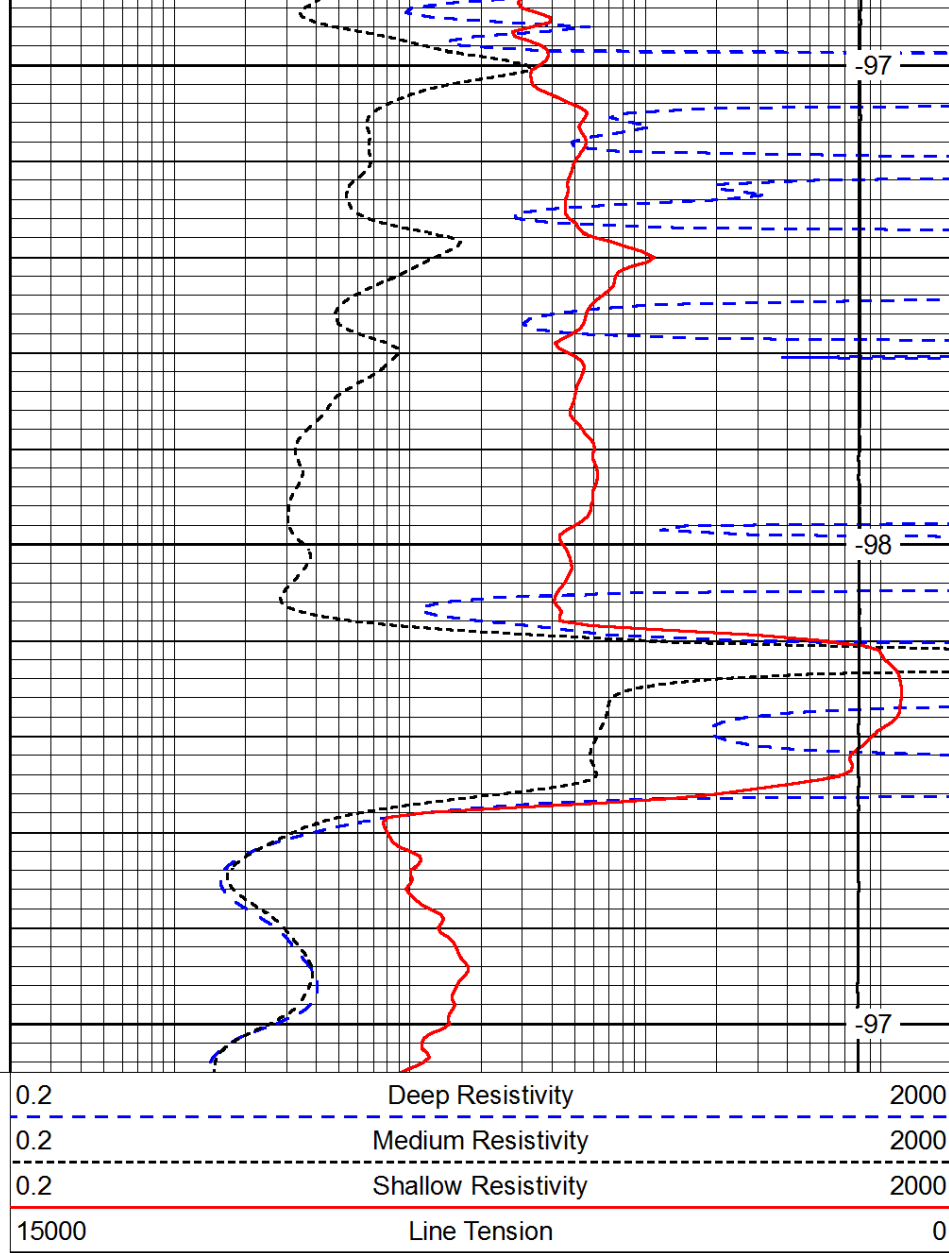


2400

2450

2500

0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



-97

-98

-97

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

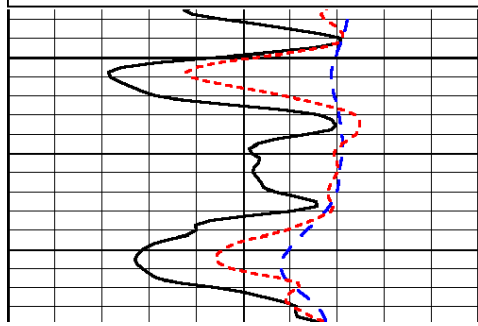
LSPD

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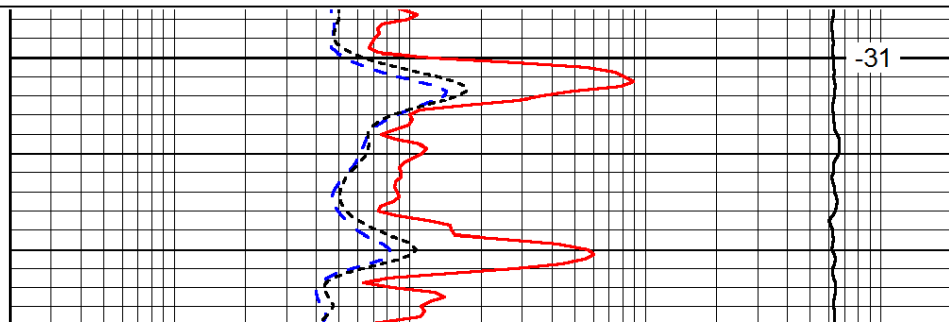
0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

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

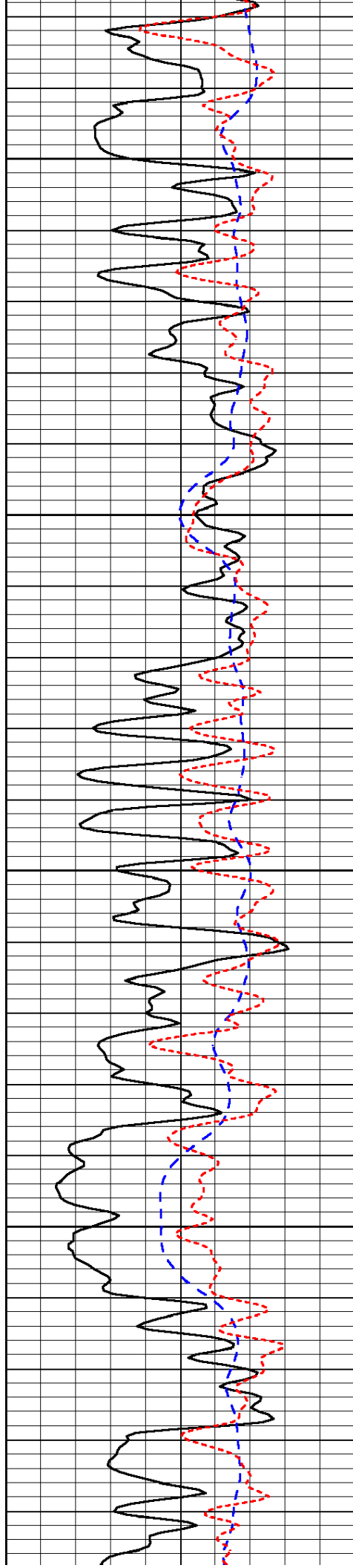
LSPD



3500



-31

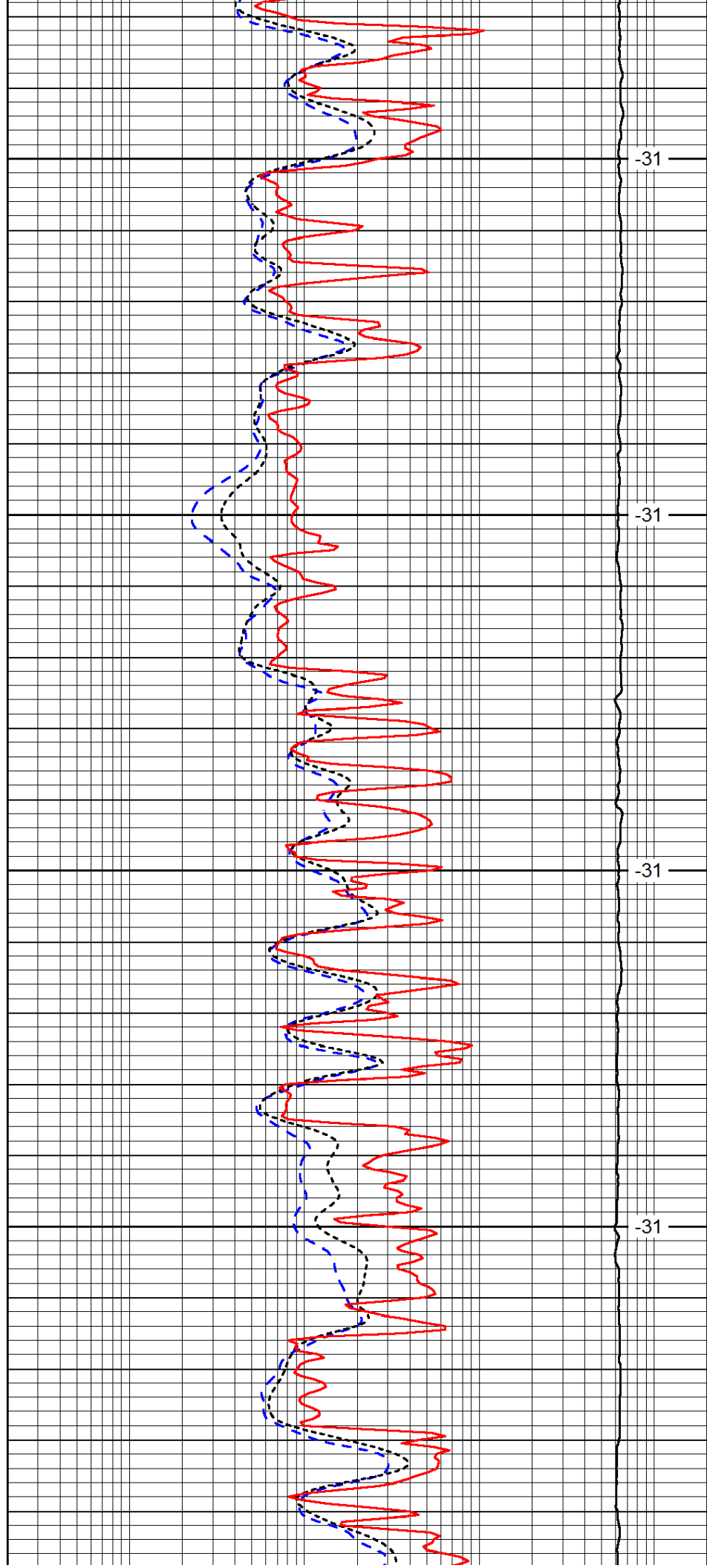


3550

3600

3650

3700

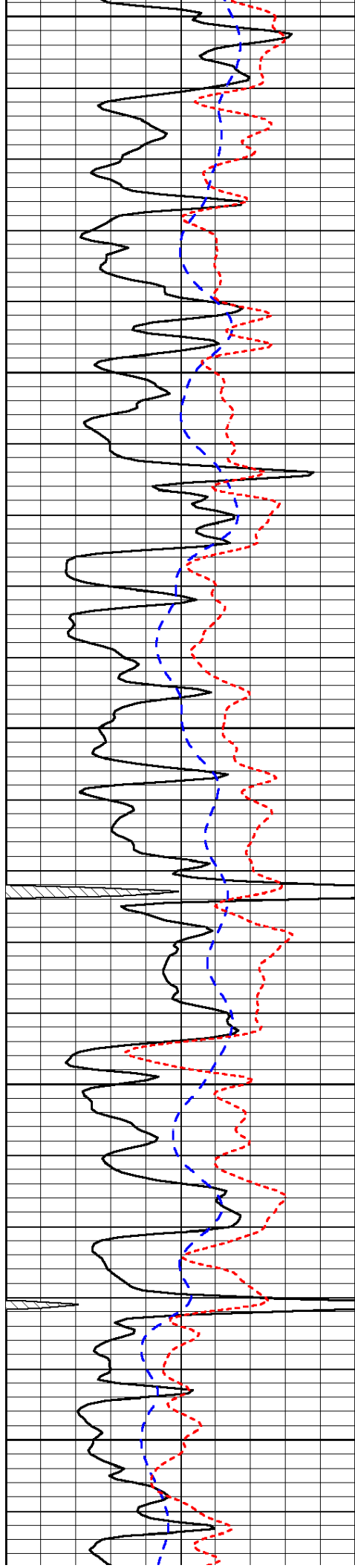


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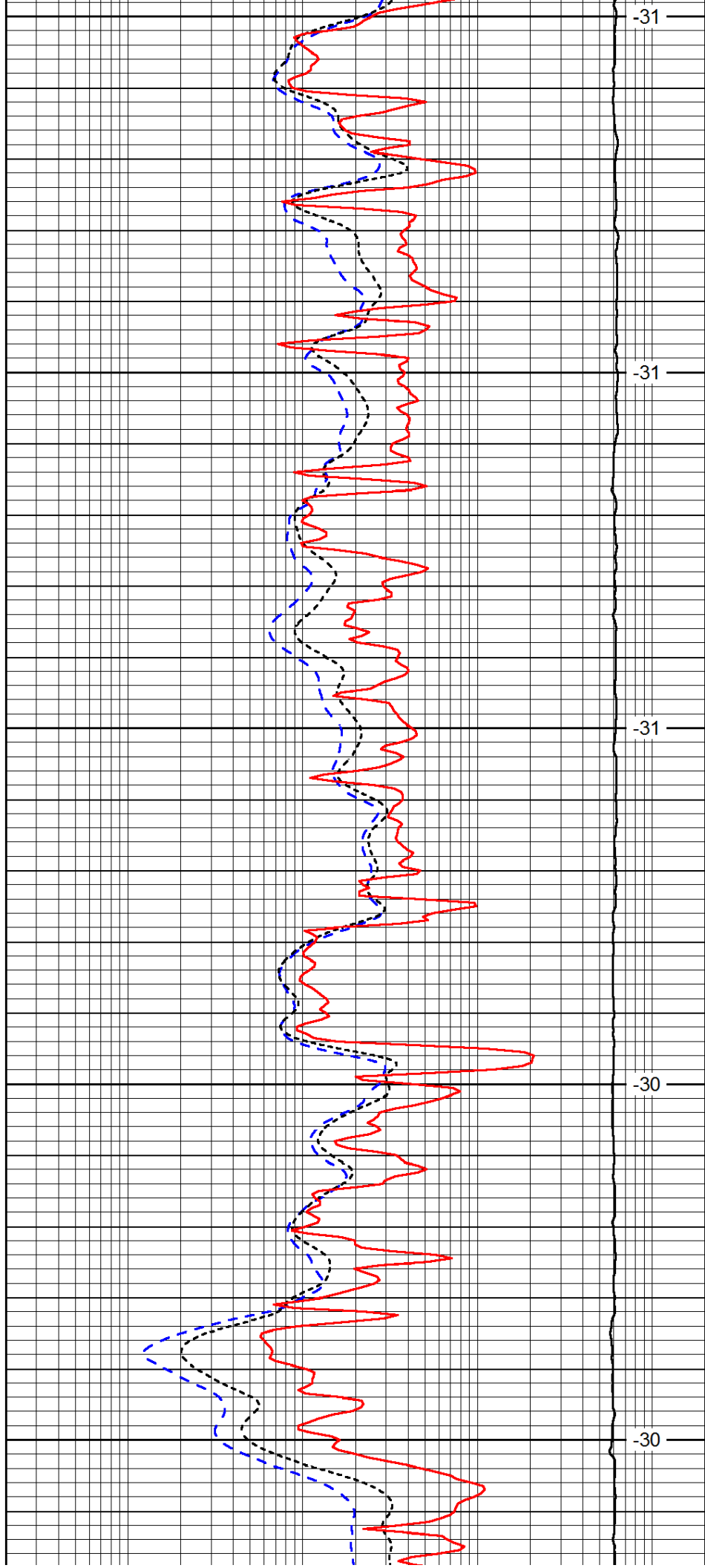
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3800

3850

3900

3950



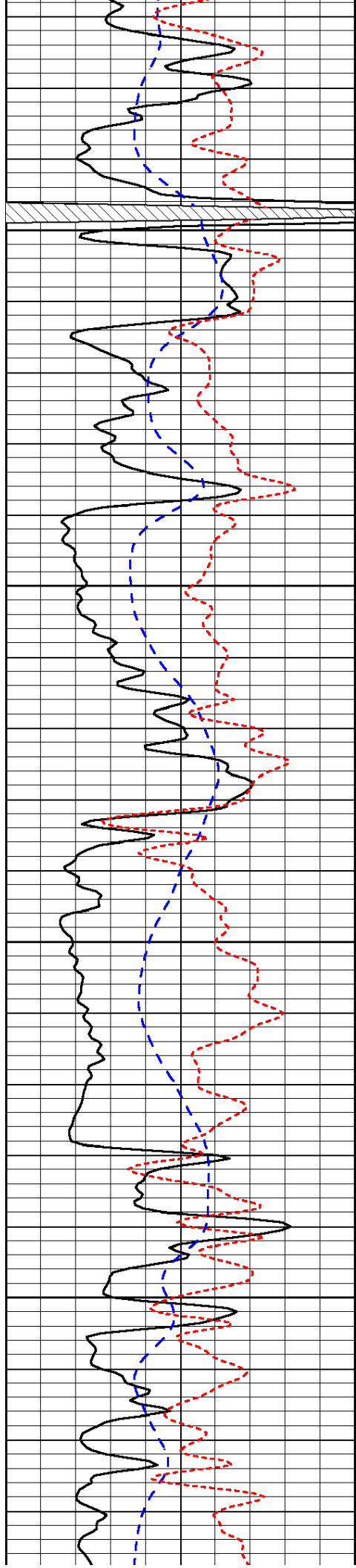
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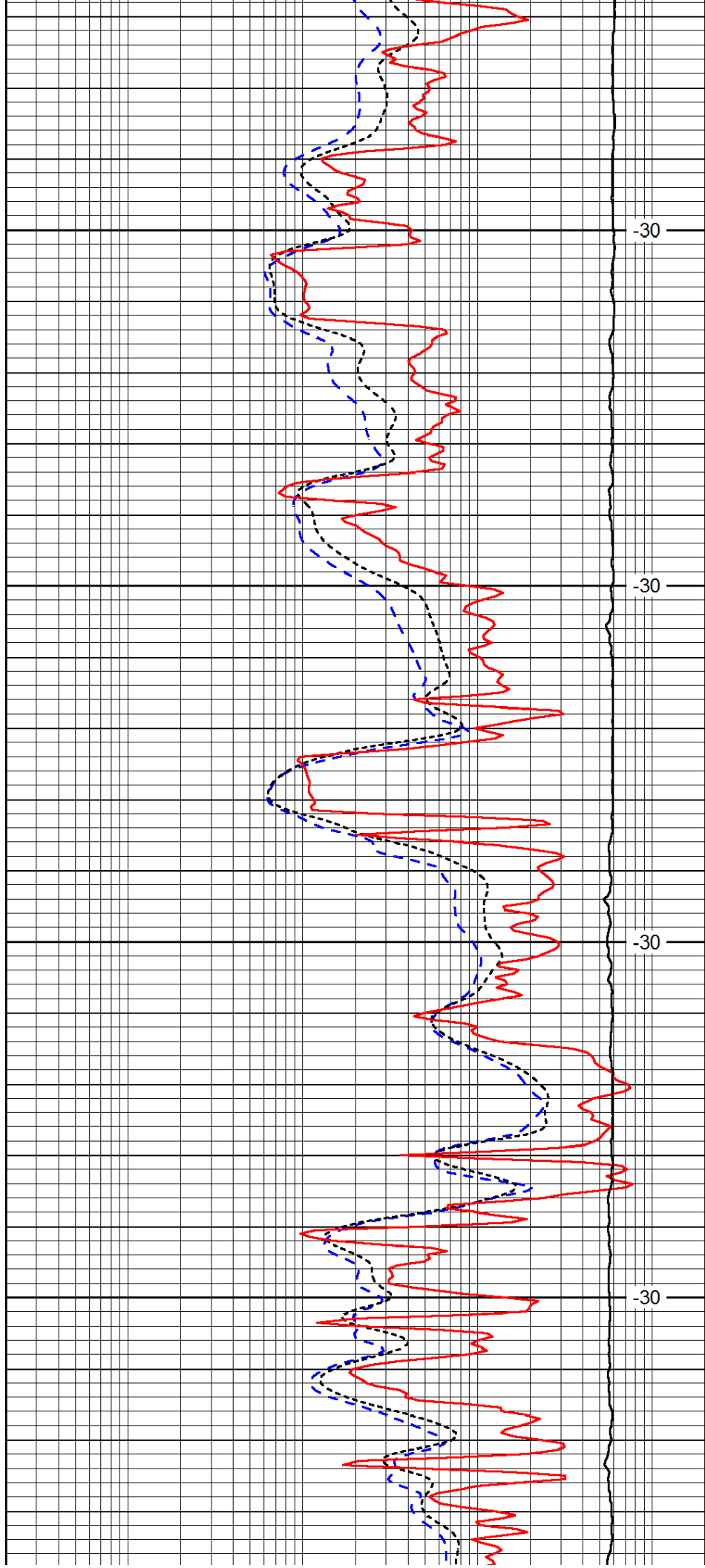


4000

4050

4100

4150

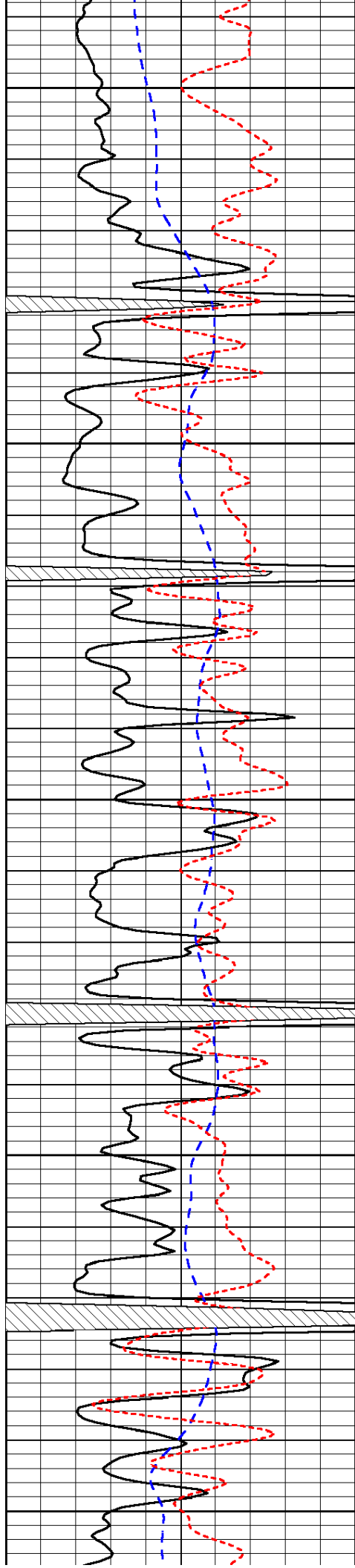


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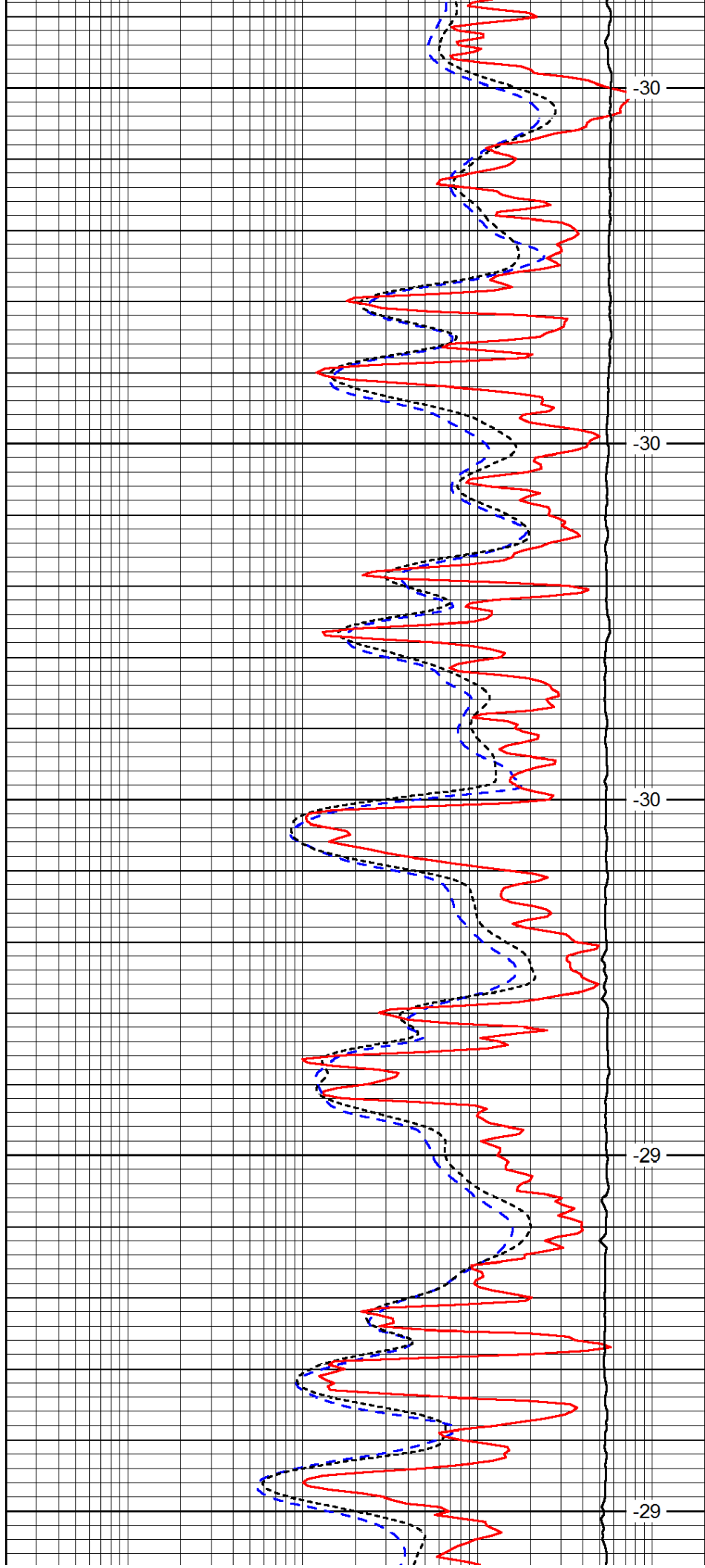
4200

4250

4300

4350

4400



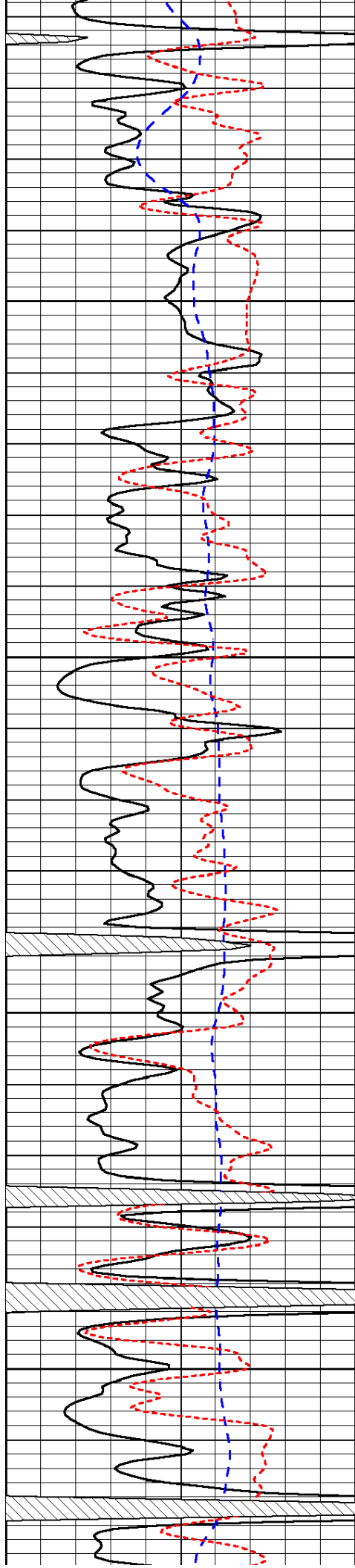
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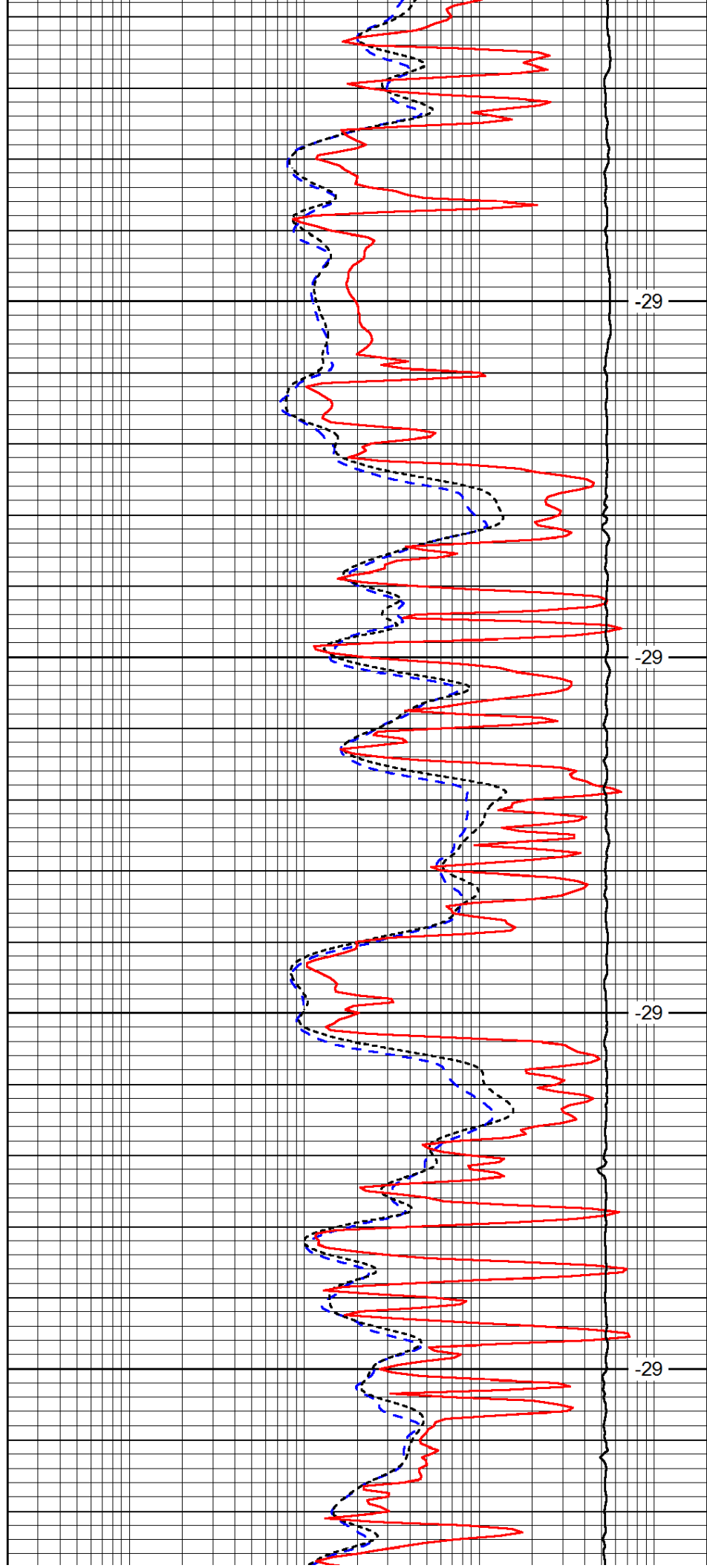


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4500

4550

4600

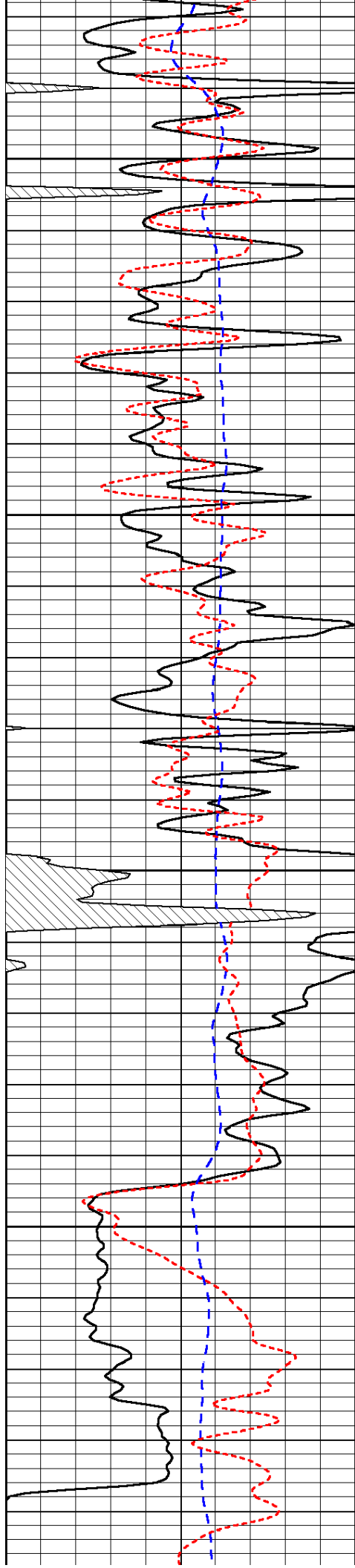


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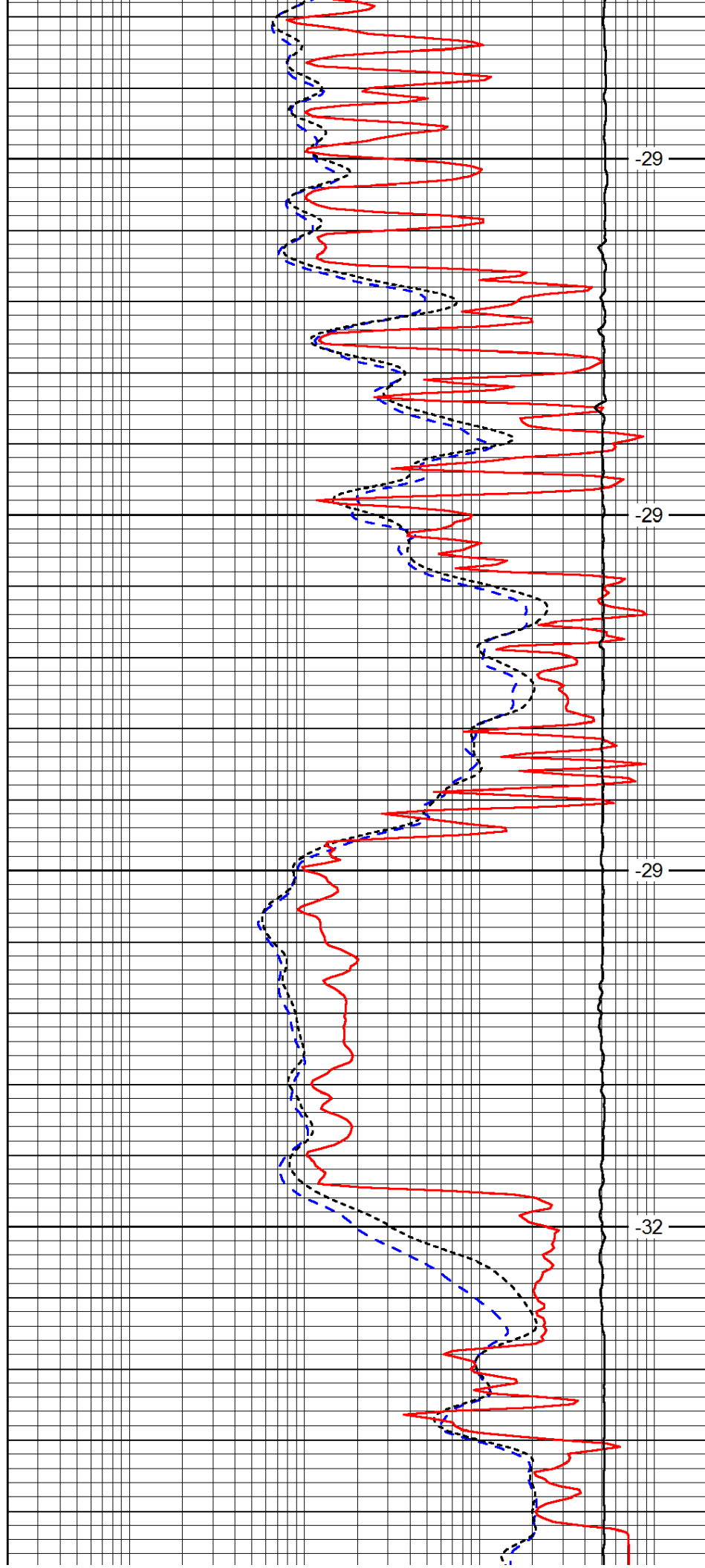


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4700

4750

4800

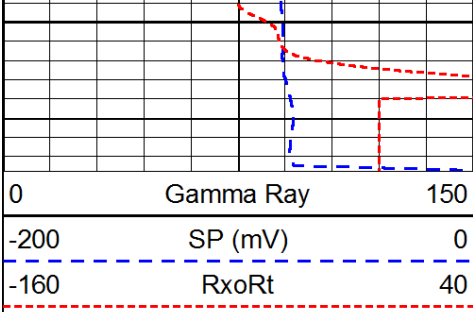


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-32



4850

