



Pioneer Energy Services

Dual Induction Log

API No.	15-077-21991-00-00		
Company	McCoy Petroleum Corporation		
Well	Miller "T" GU #2-10		
Field	Wildcat		
County	Harper	State	Kansas
Location	1980' FNL / 1320' FWL		
Sec: 10	Twp: 31S	Rge: 9W	Other Services CNL / CDL MEL

Permanent Datum	Ground Level	Elevation	1685
Log Measured From	Kelly Bushing	9	Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing		
Date	12/7/2013		
Run Number	One		
Depth Driller	4550		
Depth Logger	4548		
Bottom Logged Interval	4547		
Top Log Interval	250		
Casing Driller	8.625 @ 260		
Casing Logger	258		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	4500		
Density / Viscosity	9.4	49	
pH / Fluid Loss	10.5	10.4	
Source of Sample	Flowline		
Rm @ Meas. Temp	0.62	@	41
Rmf @ Meas. Temp	0.47	@	41
Rmc @ Meas. Temp	0.84	@	41
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.21	@	122
Operating Rig Time	4 Hours		
Max Rec. Temp. F	122		
Equipment Number	15		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Evan Stone		

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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.

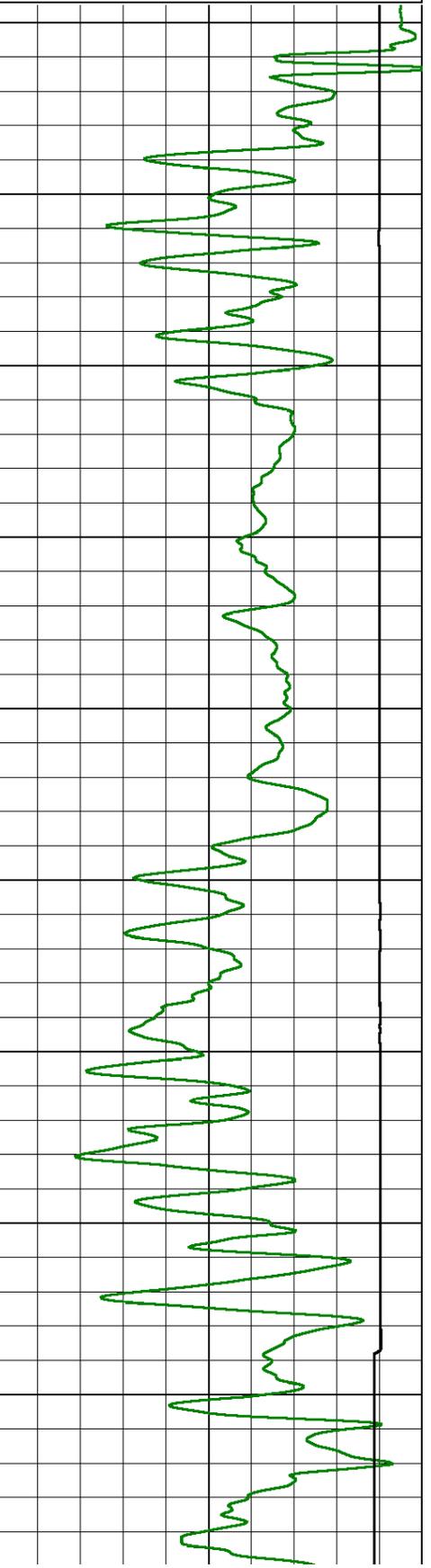
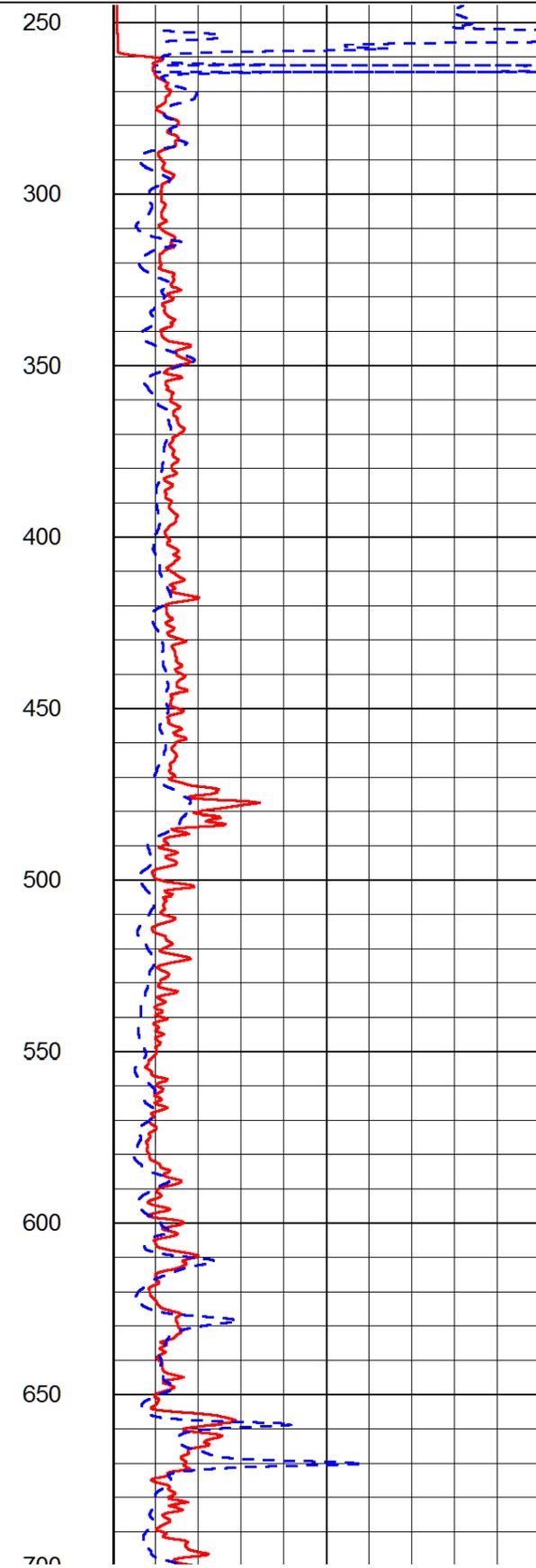
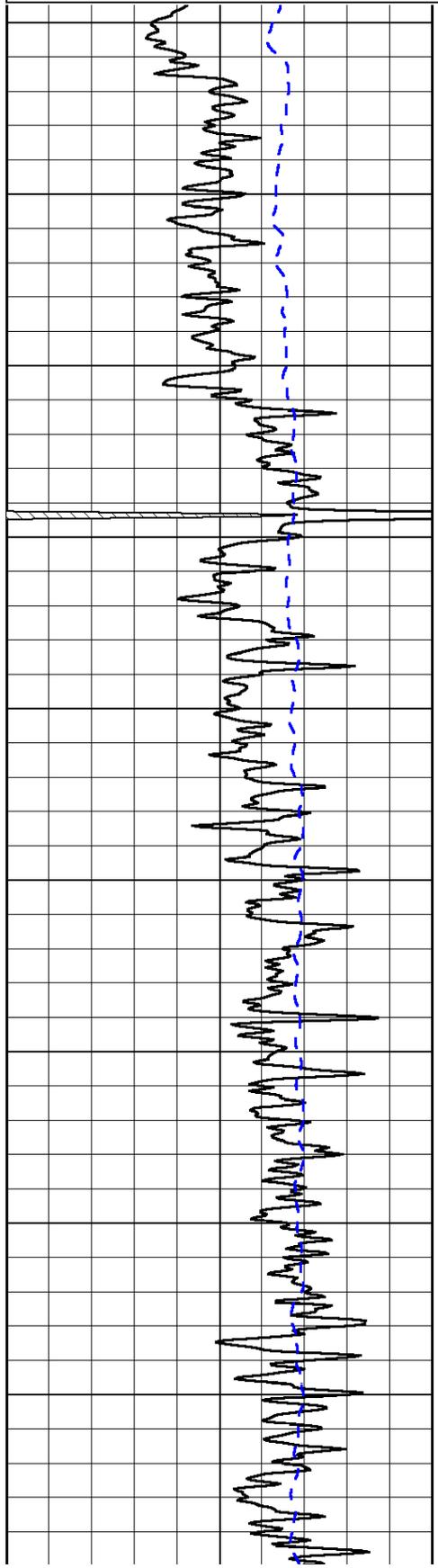
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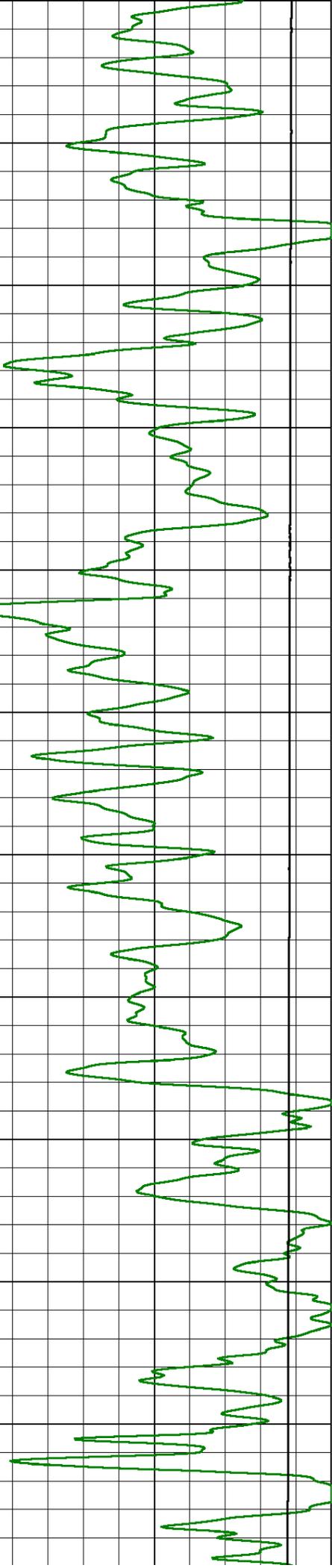
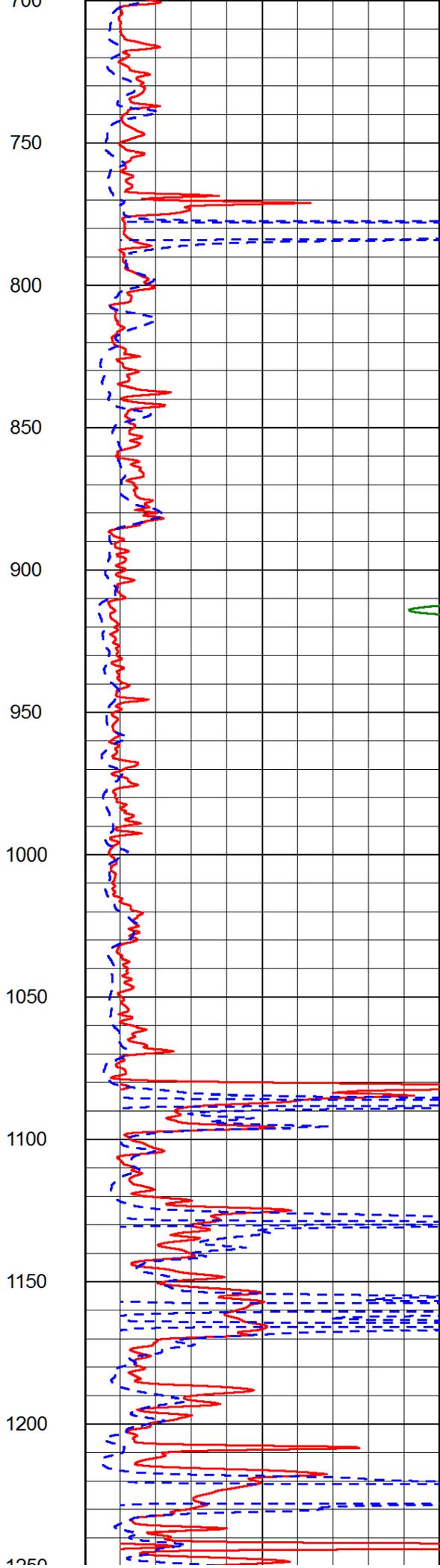
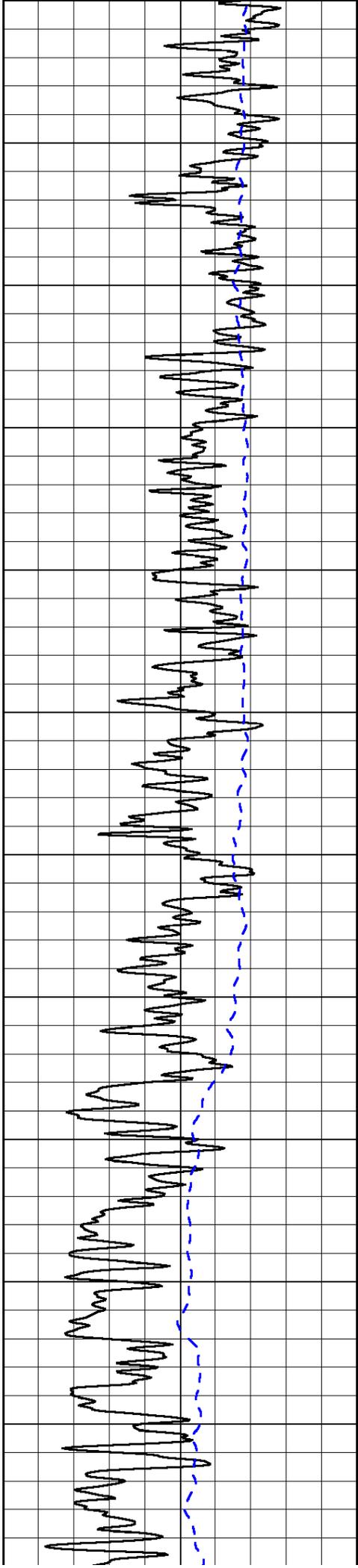
Thank you for using Log-Tech, Inc.
 (785) 625-3858

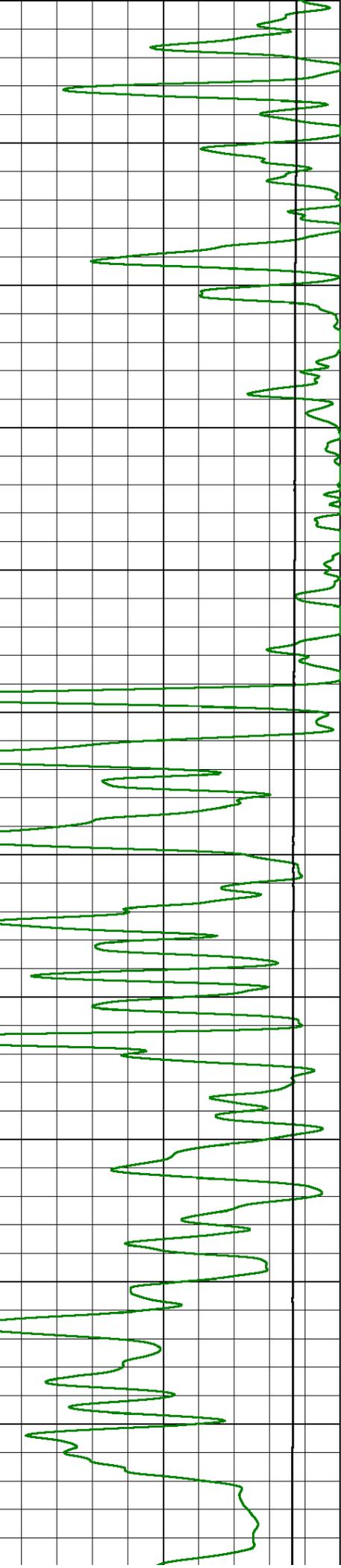
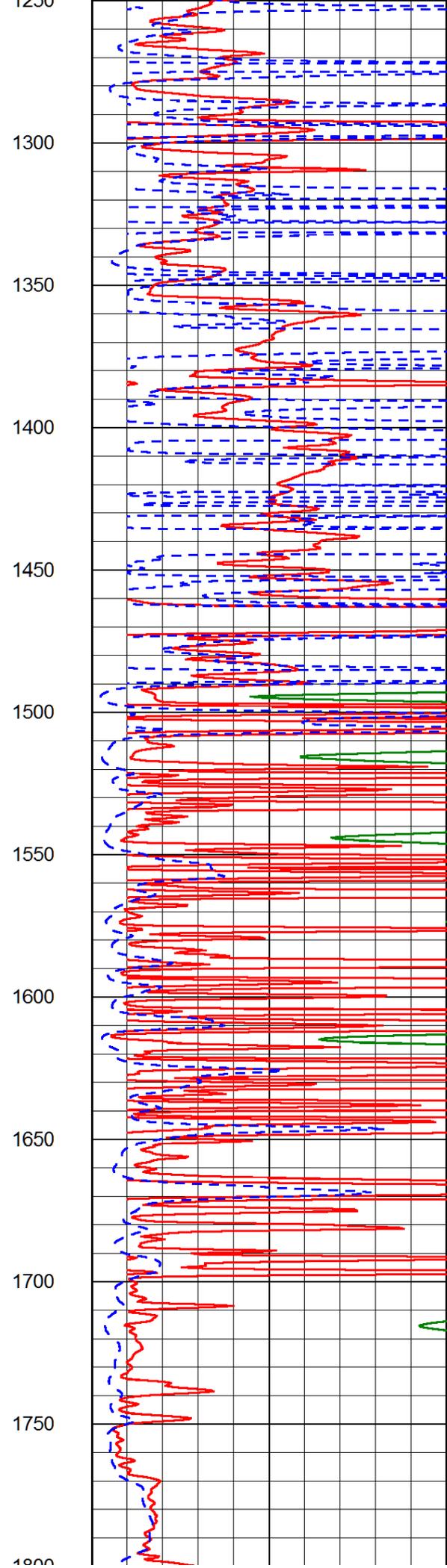
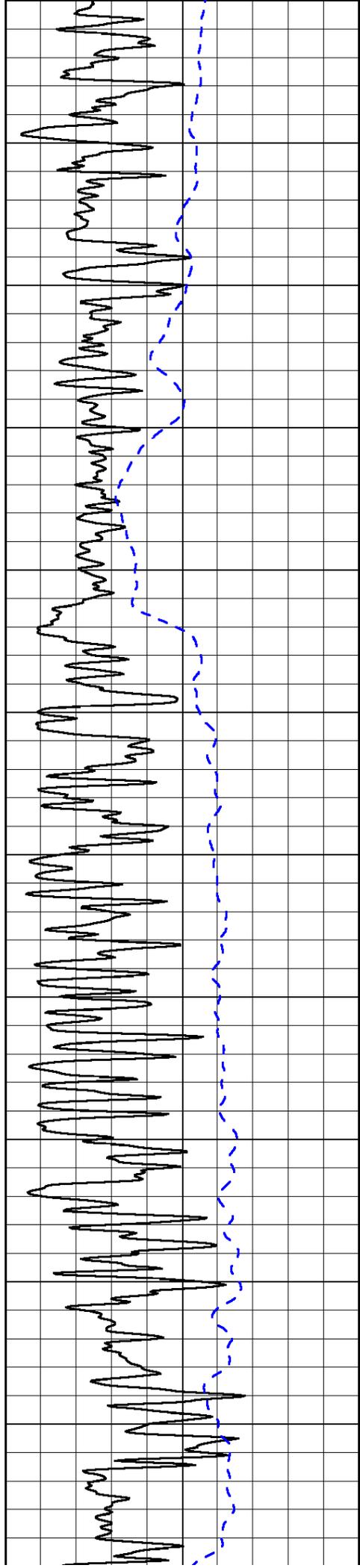
Zenda, KS:
 5 1/4S to 150 Rd., 1W, 1/2S, E into

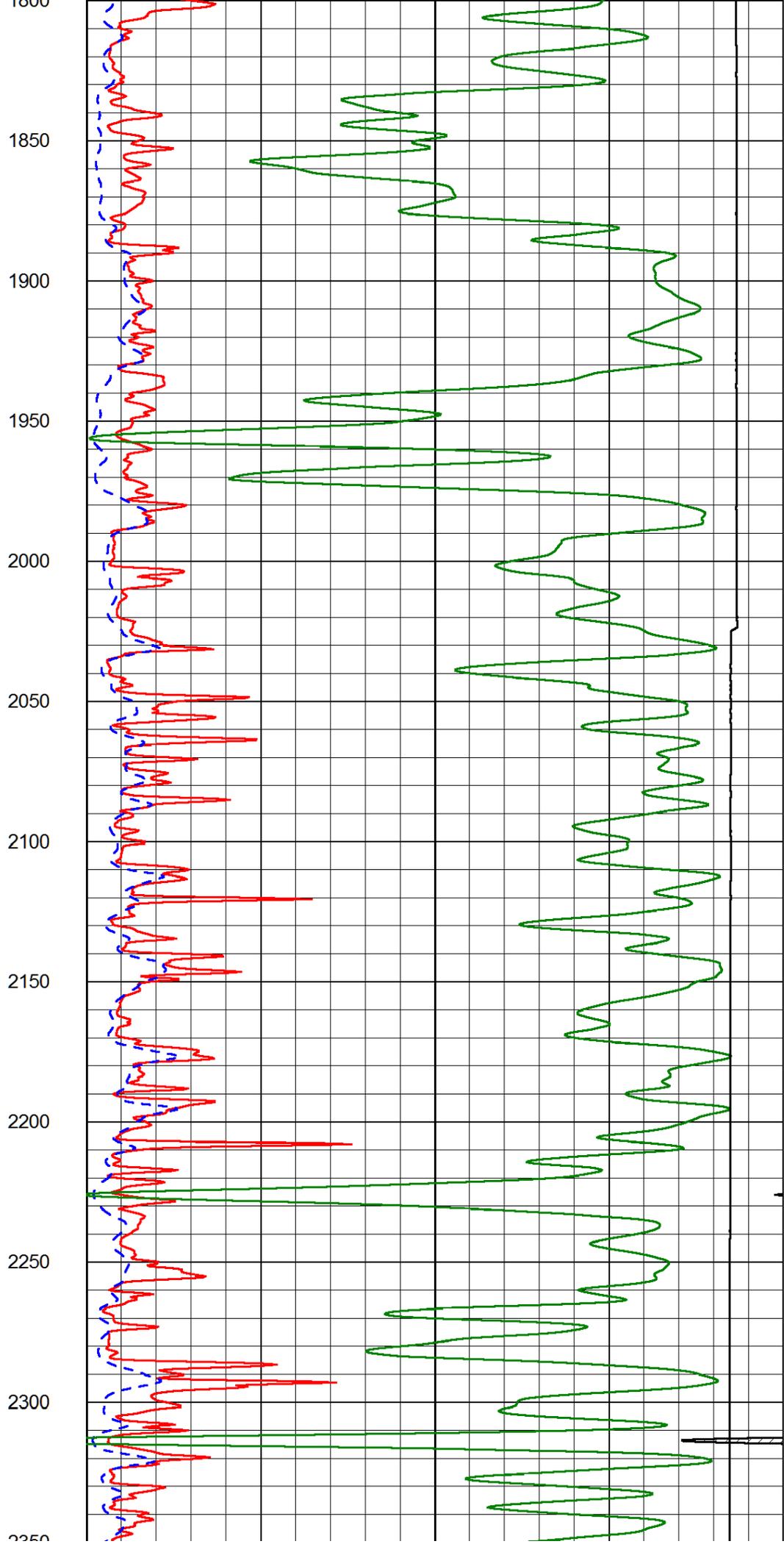
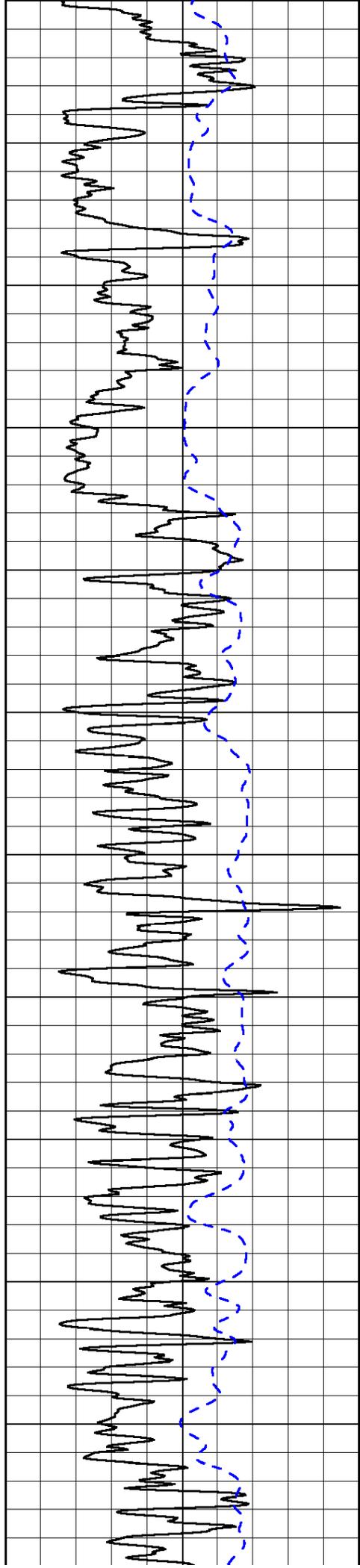
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-200	SP (mV)	0

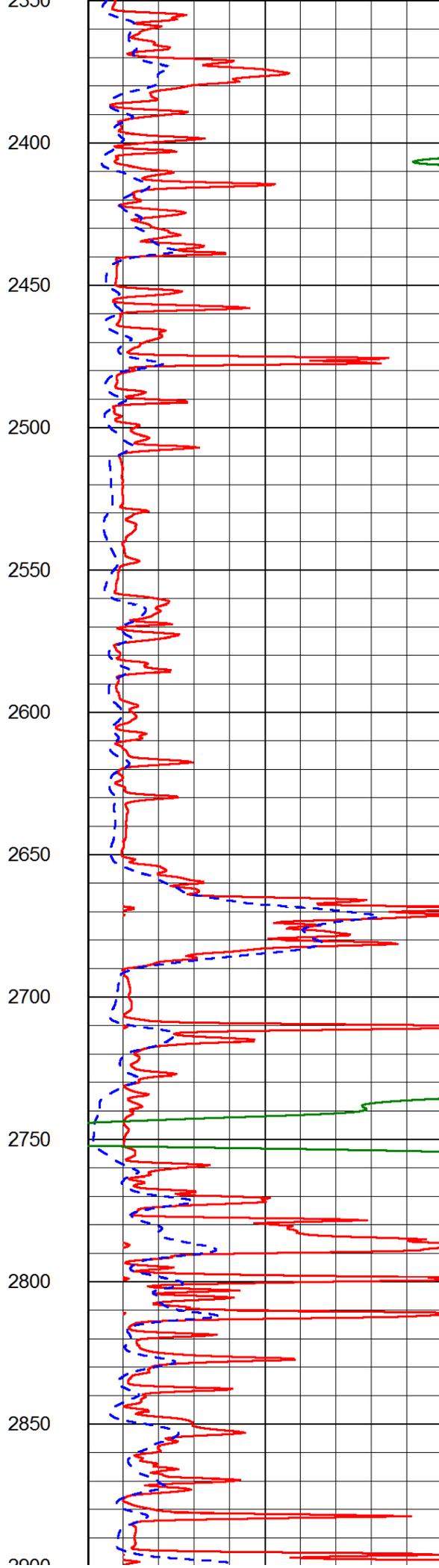
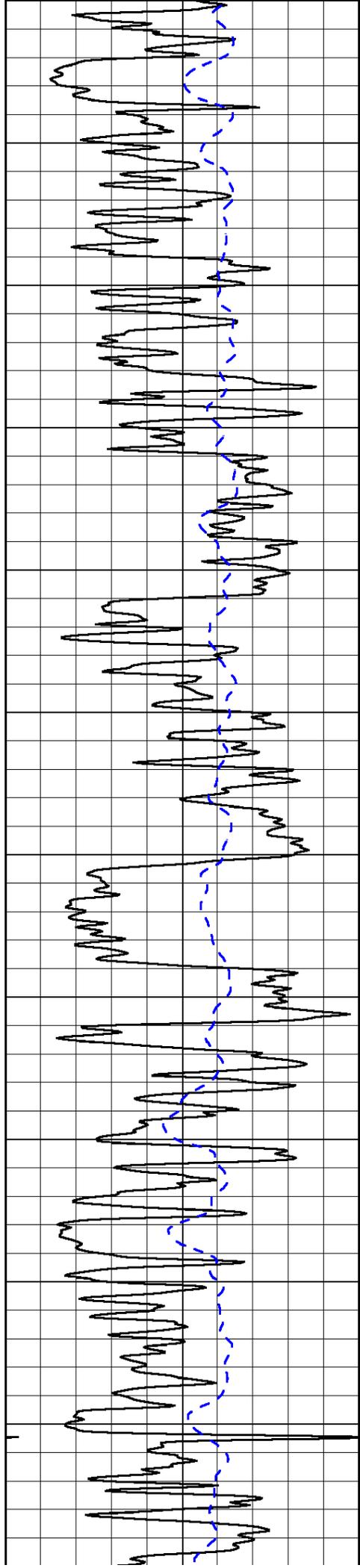
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
50	Shallow Resistivity (Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

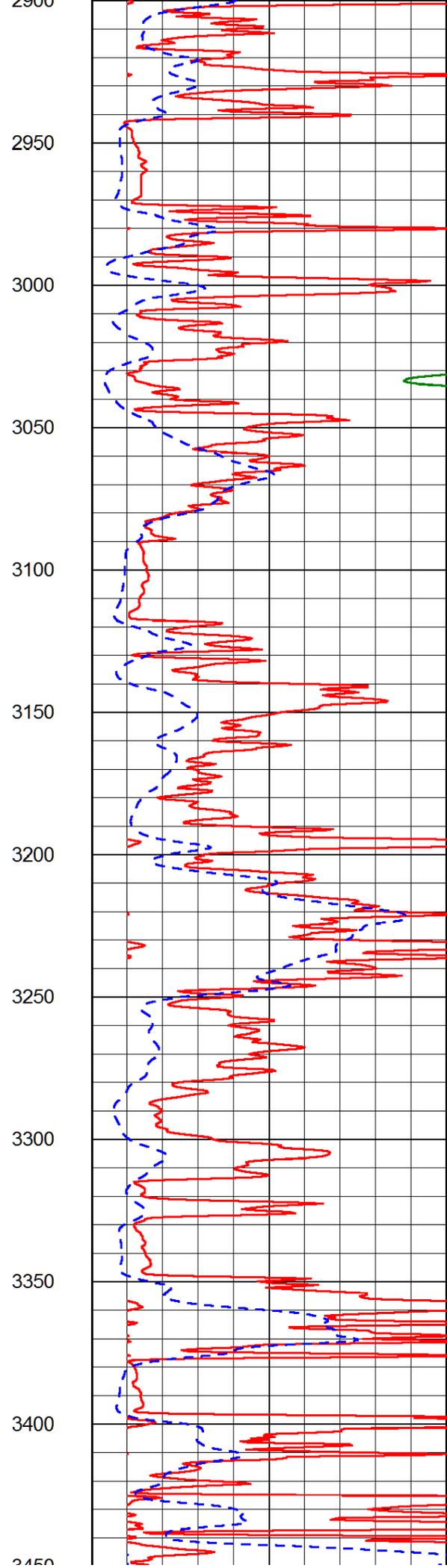
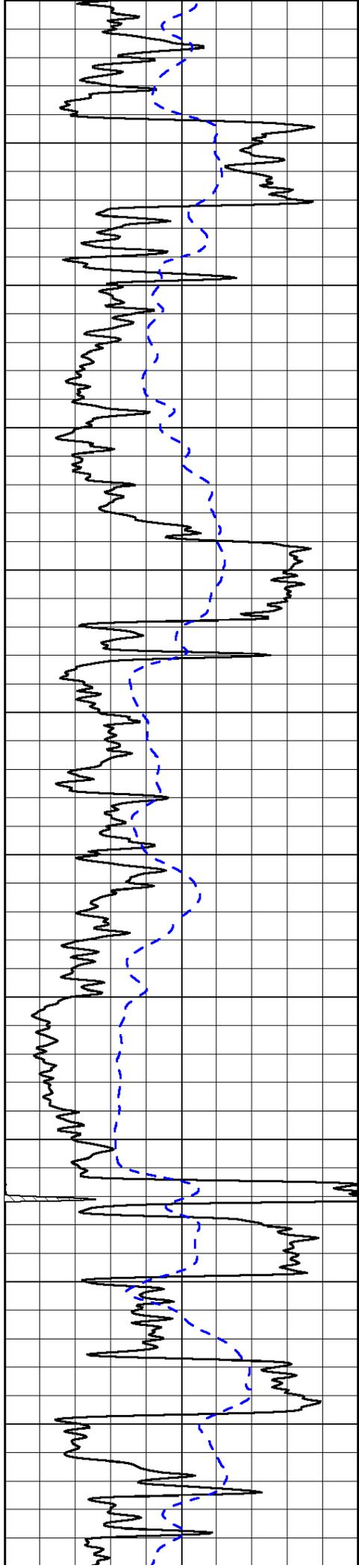


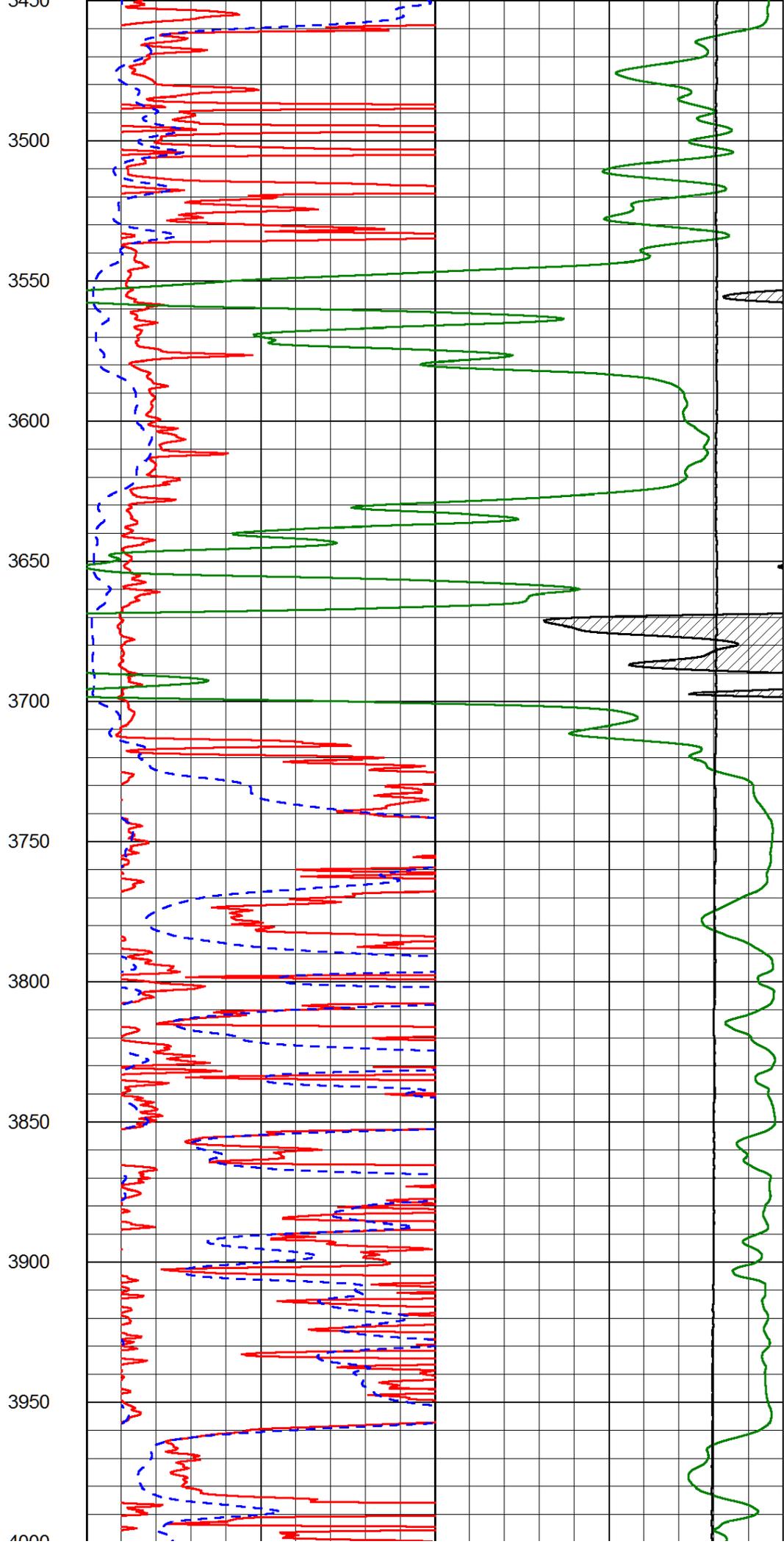
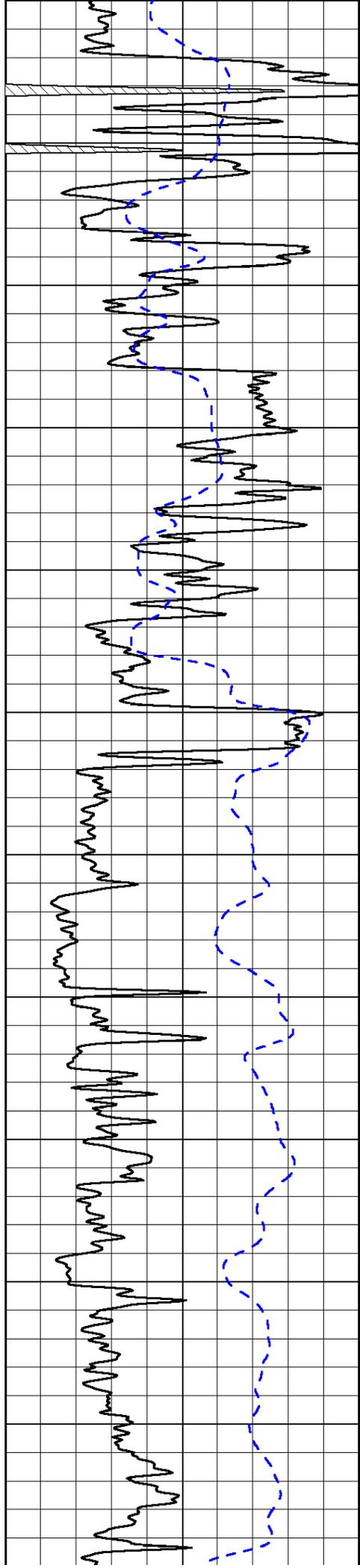


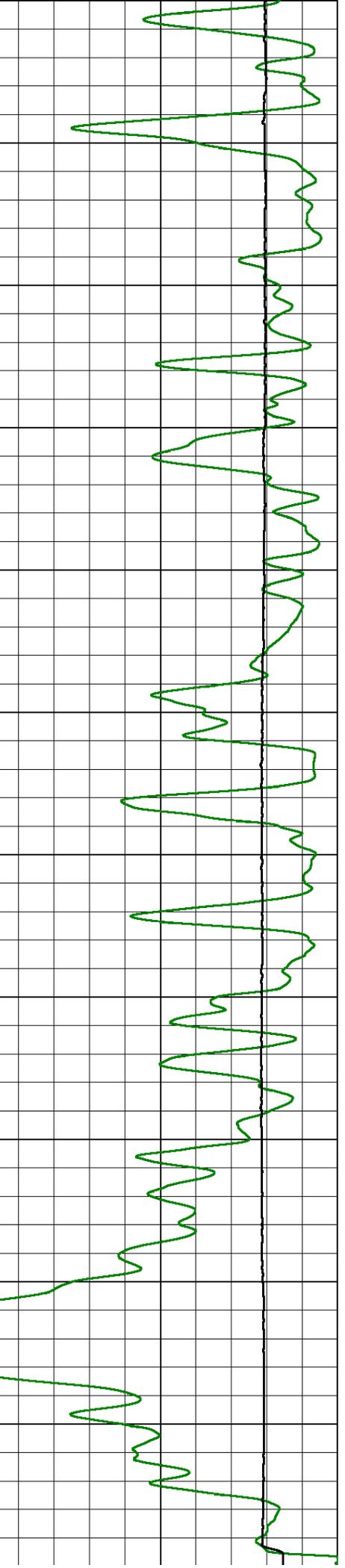
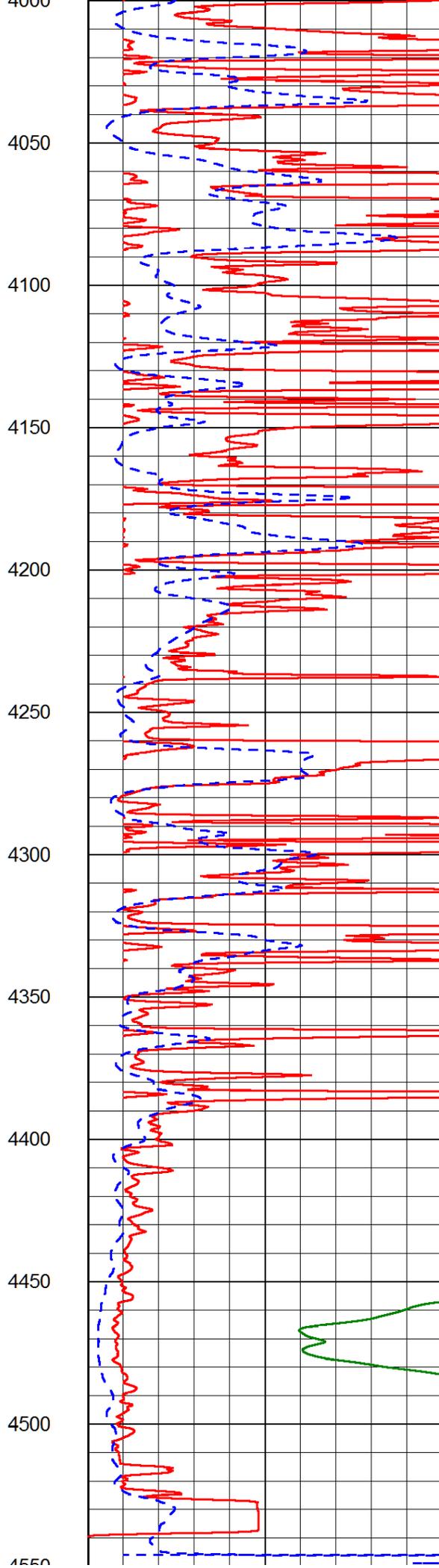
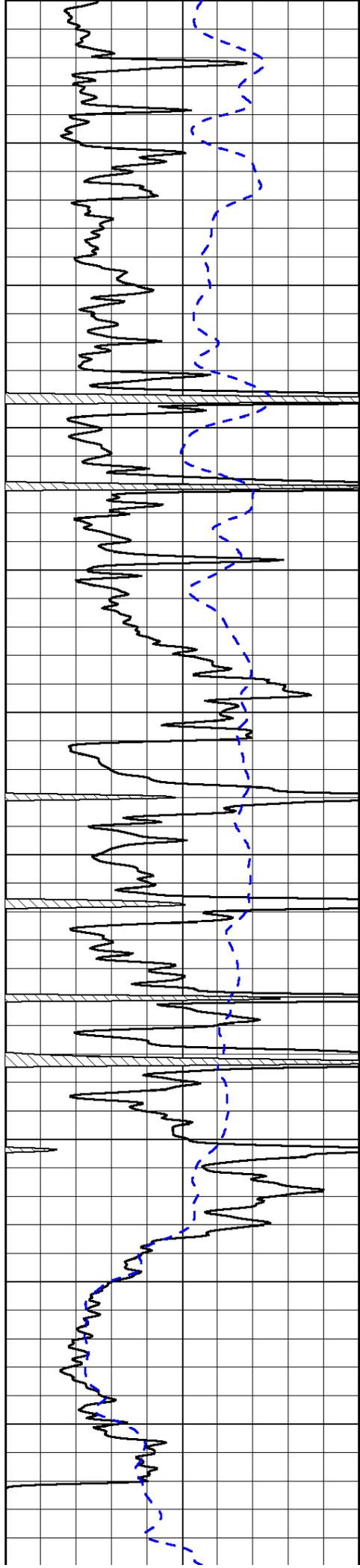








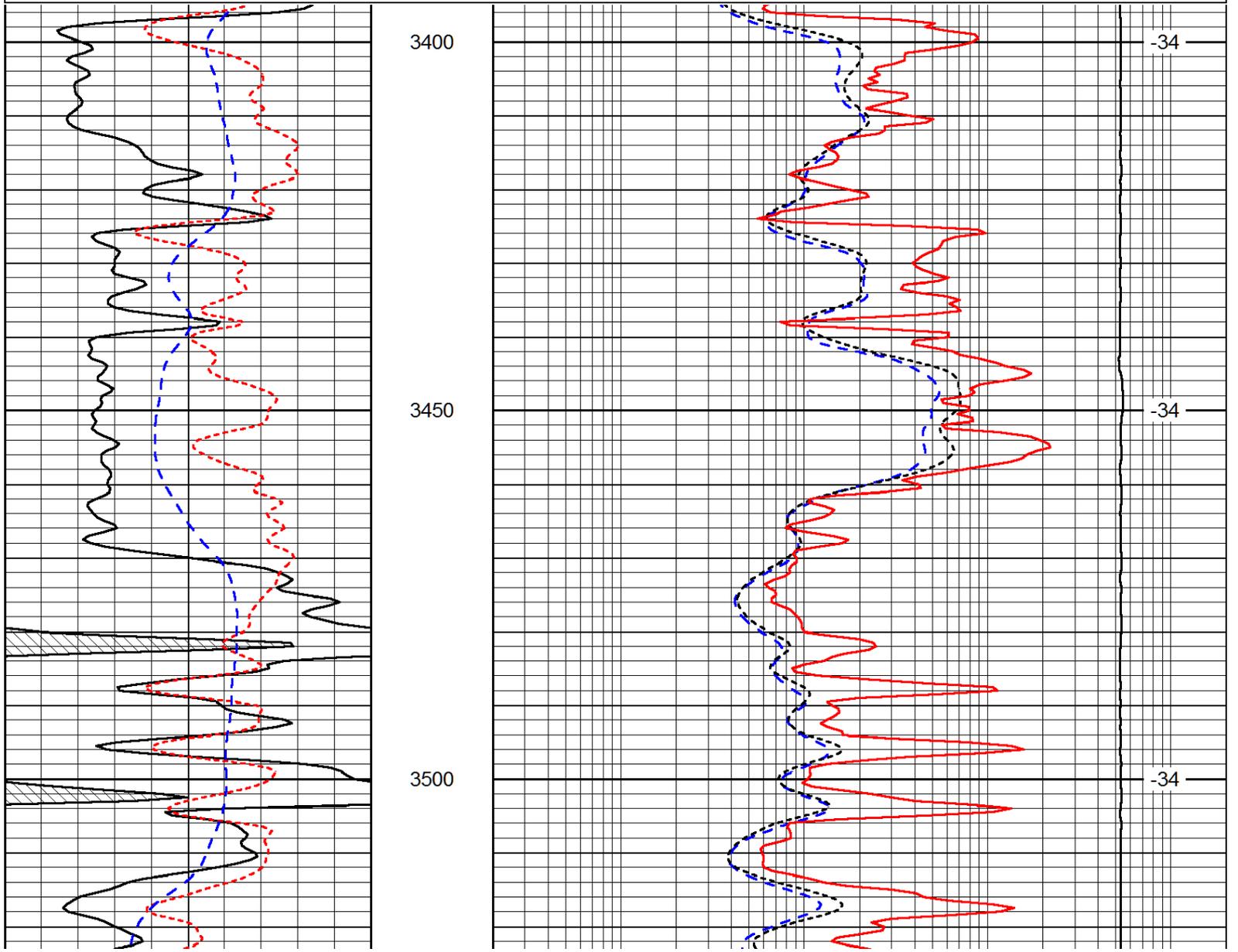


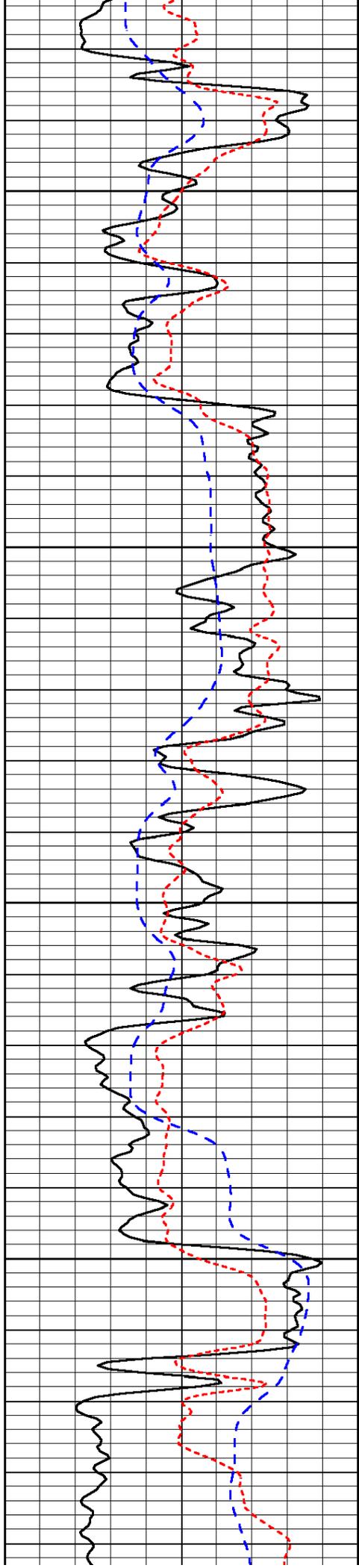


0	Gamma Ray (GAPI)	150	4550	0	Shallow Resistivity (Ohm-m)	50
-200	SP (mV)	0		0	Deep Resistivity (Ohm-m)	50
				1000	Conductivity (Ohm-m)	0
				15000	Line Tension (lb)	0
					Shallow Resistivity	
				50	(Ohm-m)	500
				50	Deep Resistivity (Ohm-m)	500

Database File: mccoys_hd.db
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 Presentation Format: dil
 Dataset Creation: Sat Dec 07 06:19:09 2013
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0.2	Deep Resistivity (Ohm-m)	2000
-160	RXO/RT	40	0.2	Medium Resistivity (Ohm-m)	2000
-200	SP (mV)	0	0.2	Shallow Resistivity (Ohm-m)	2000
			10000	Line Tension (lb)	0
					LSPD (ft/min)



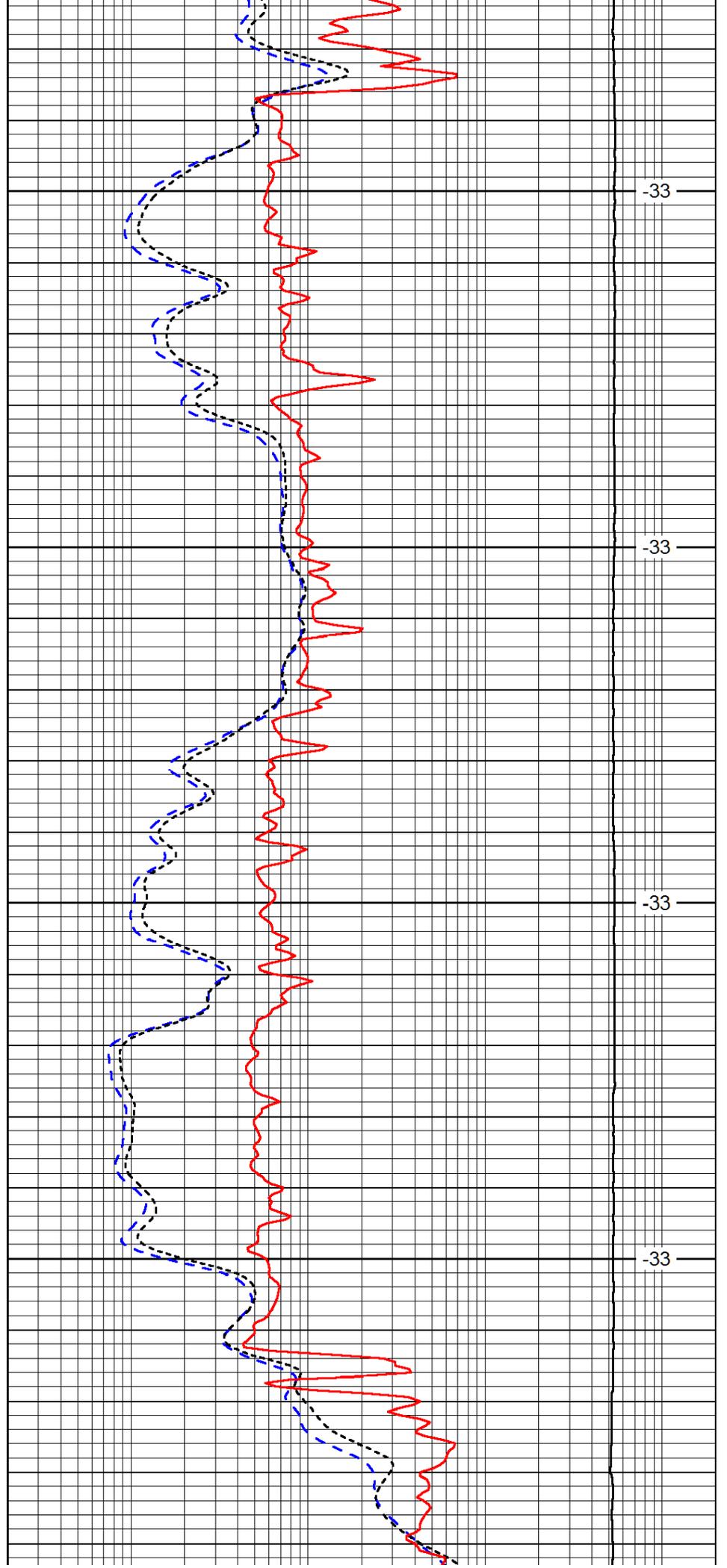


3550

3600

3650

3700

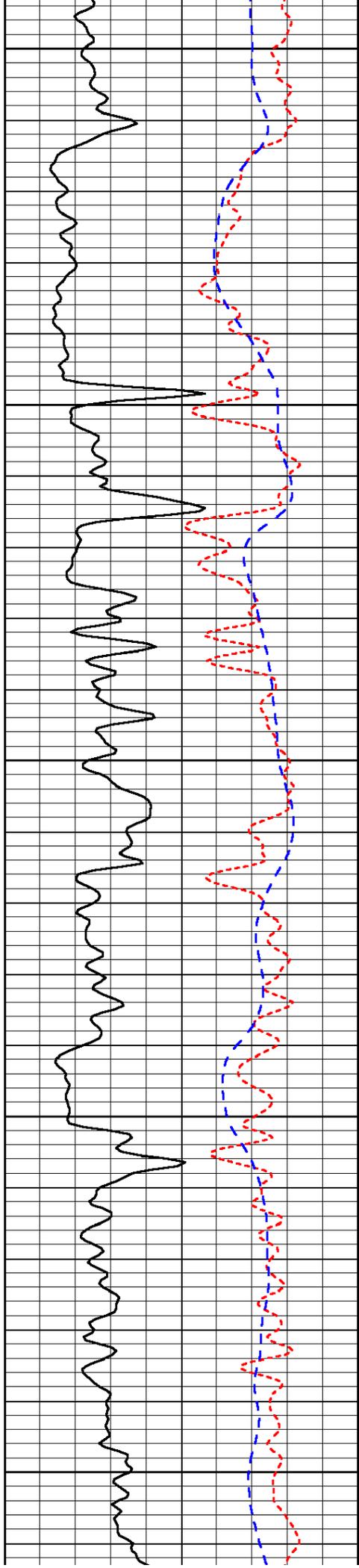


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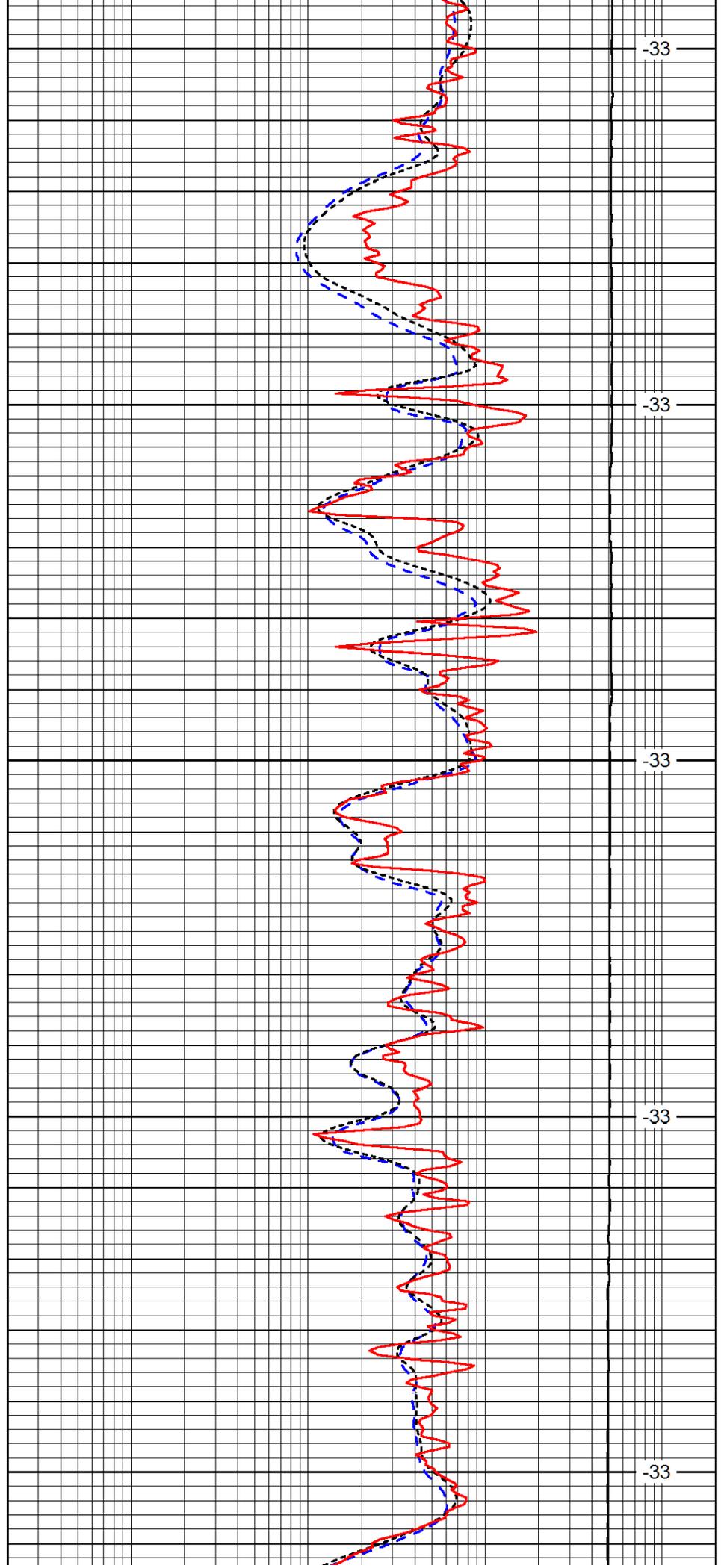
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3900

3950



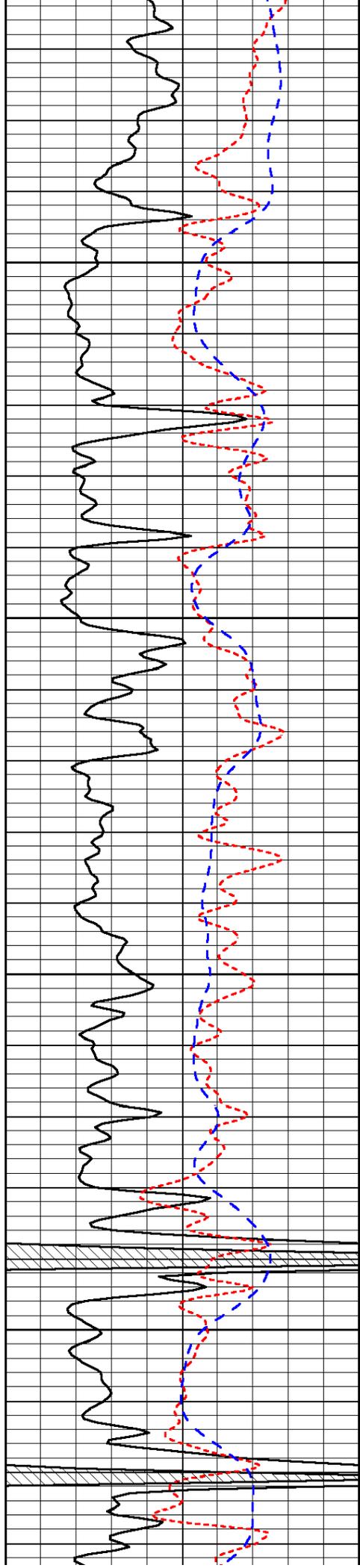
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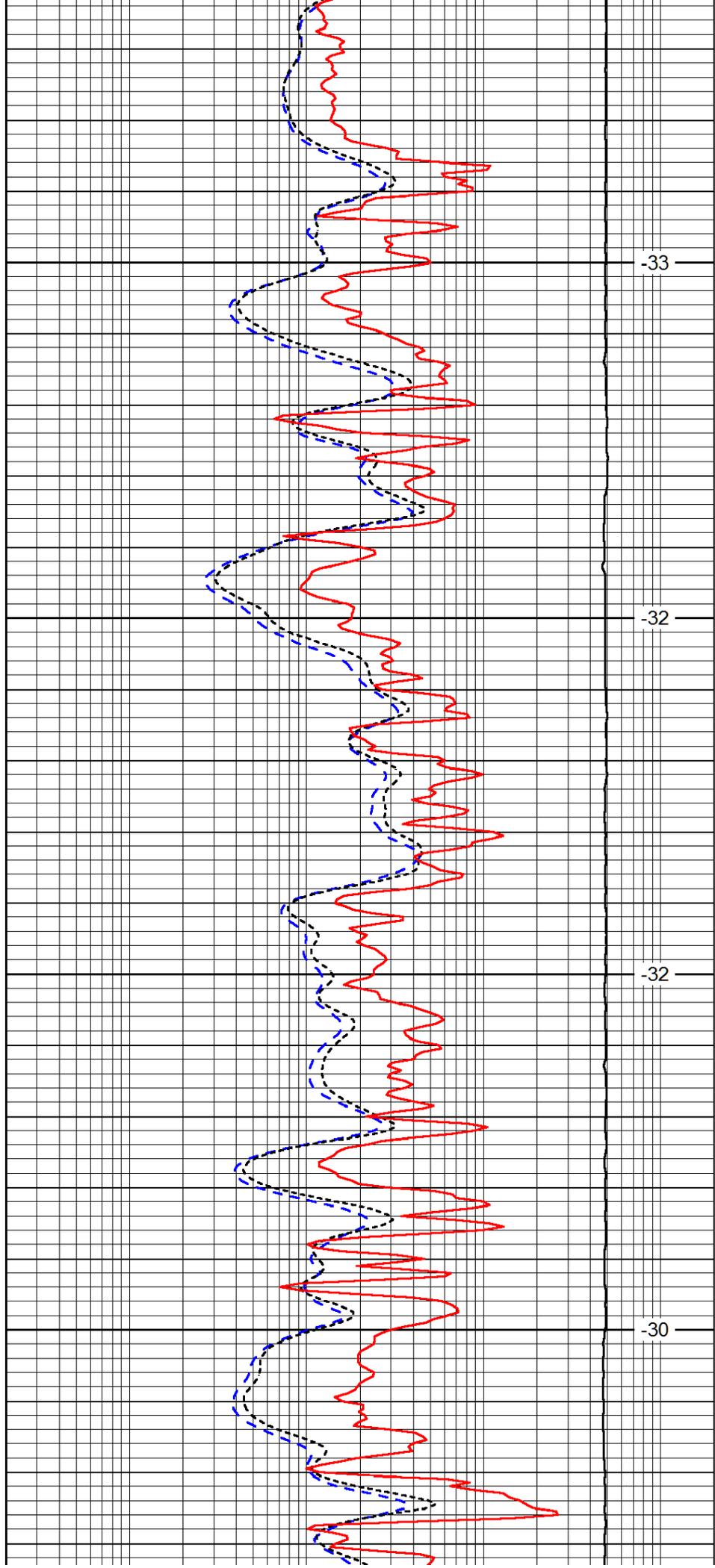


4000

4050

4100

4150

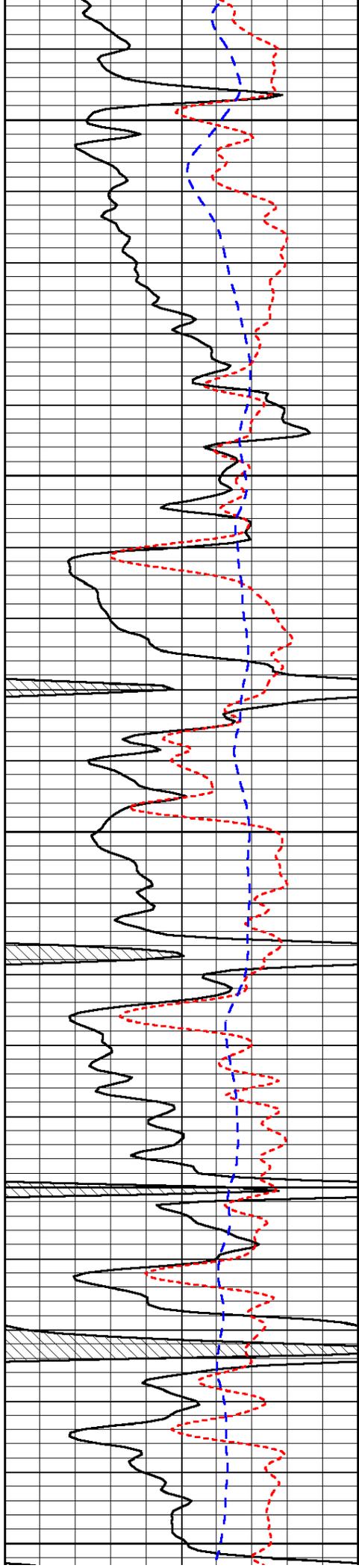


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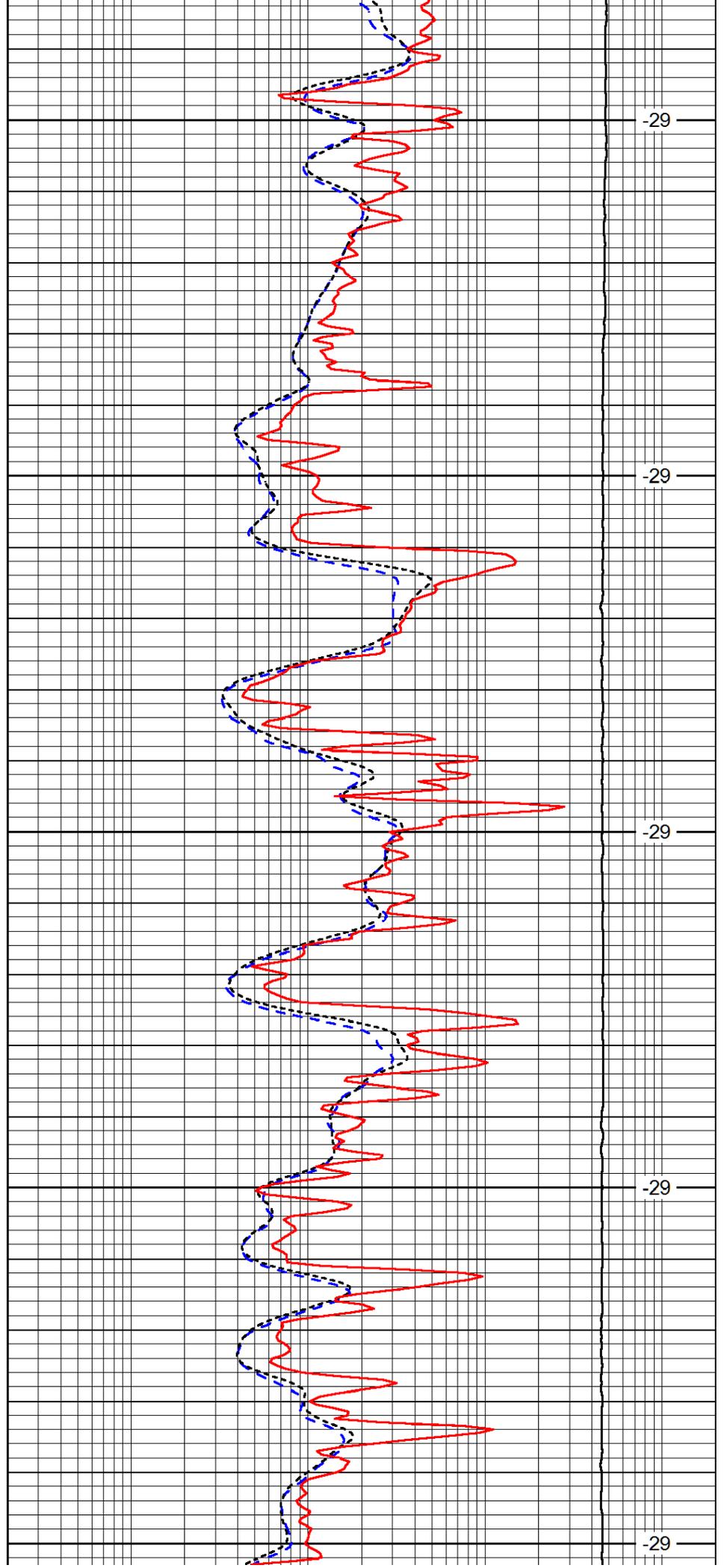
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4250

4300

4350

4400



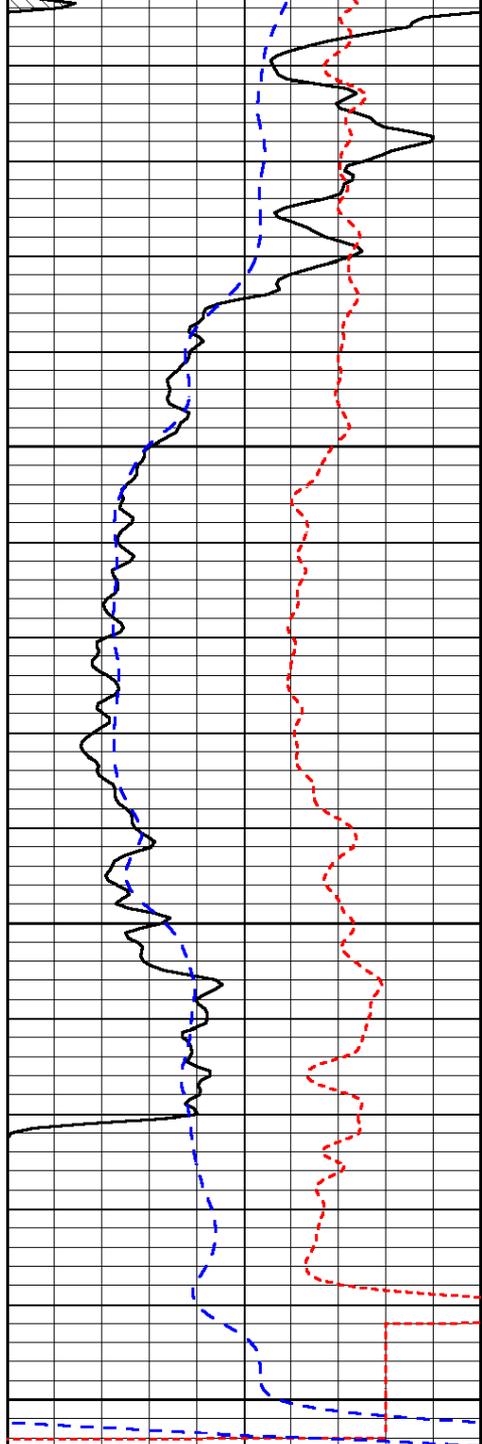
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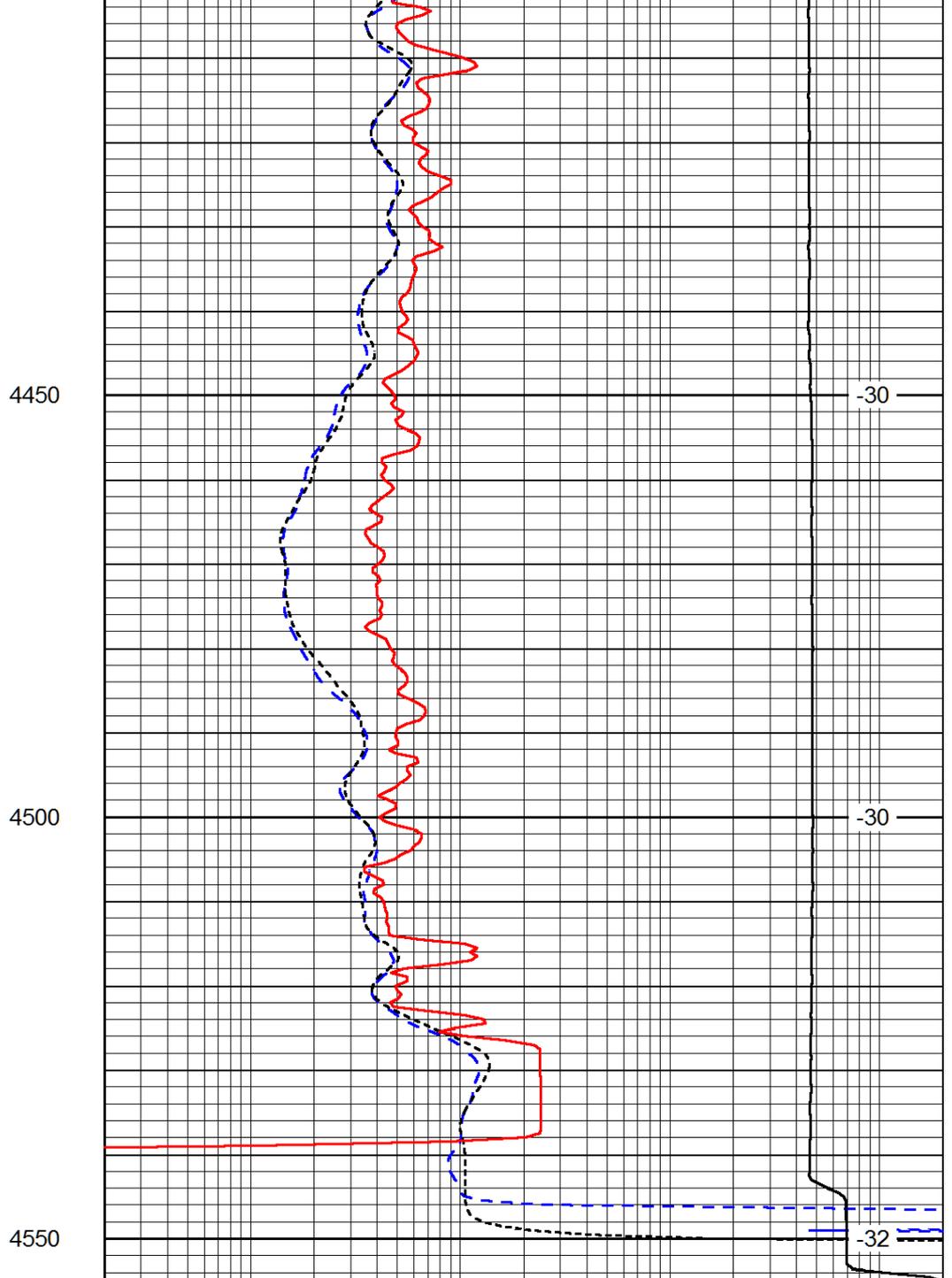
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0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)