



Pioneer Energy Services

Dual Induction Log

API No.	15-083-21,900-00-00		
Company	Becker Oil Corporation	Location	SW-SE-SE-SE 83' FSL & 558' FEL
Well	Winter Land and Cattle No. 1	County	Hodgeman State
Field	Saw Log Creek	State	Kansas
Other Services			CNL/CDL MEL
Sec:	36	Twp:	23S
		Rge:	22W
Permanent Datum	Ground Level	Elevation	2303
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		

Date	12/20/13
Run Number	One
Depth Driller	4570
Depth Logger	4567
Bottom Logged Interval	4566
Top Log Interval	250
Casing Driller	8.625 @ 255
Casing Logger	253
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4,500
Density / Viscosity	9.0 58
pH / Fluid Loss	9.0 8.8
Source of Sample	Flowline
Rm @ Meas. Temp	.68 @ 51
Rmf @ Meas. Temp	.51 @ 51
Rmc @ Meas. Temp	.92 @ 51
Source of Rmf / Rmc	Charts
Rm @ BHT	.28 @ 122
Operating Rig Time	4 Hours
Max Rec. Temp. F	122
Equipment Number	15
Location	Hays
Recorded By	J. Henrickson
Witnessed By	Clyde Becker

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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

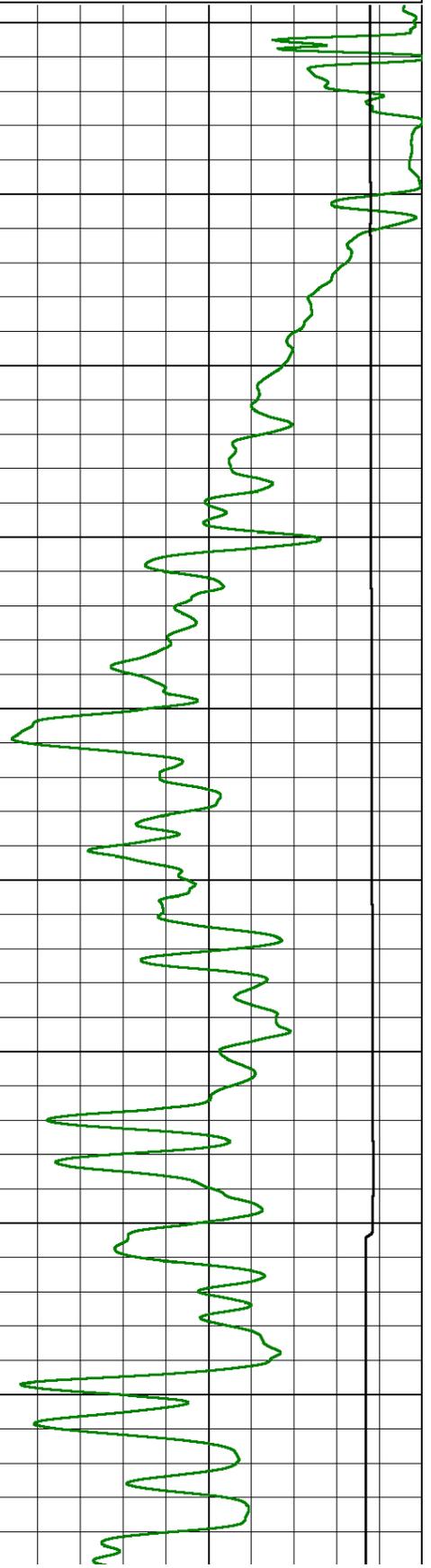
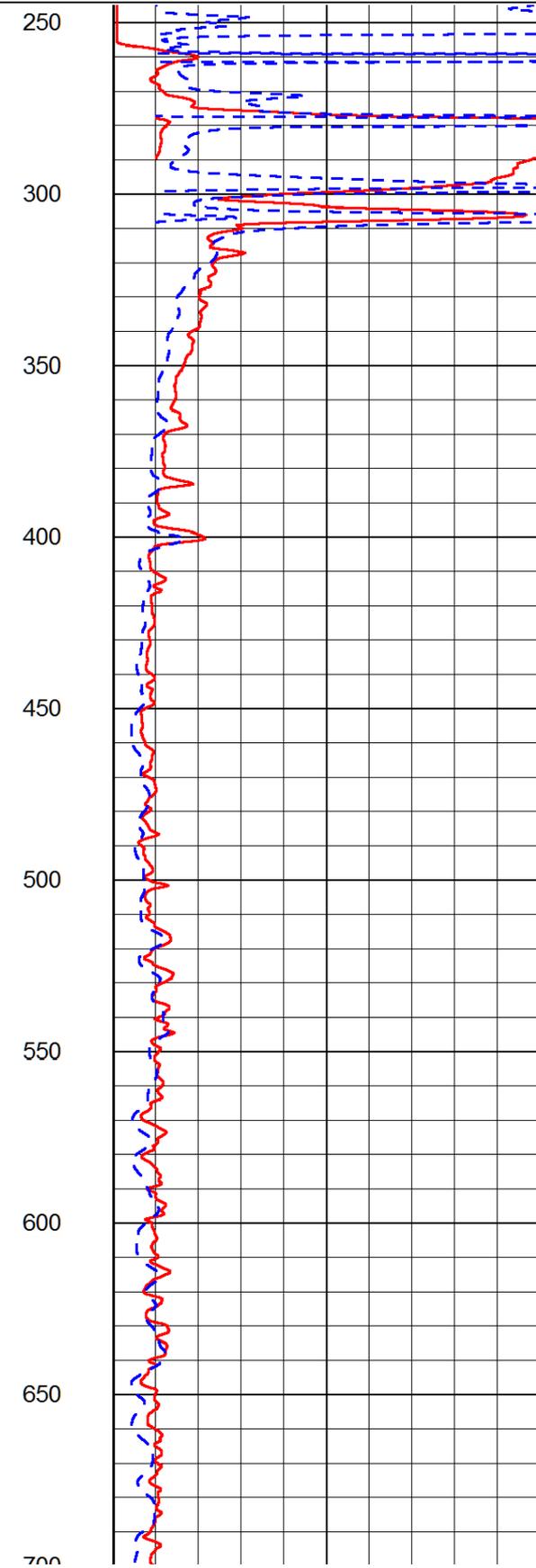
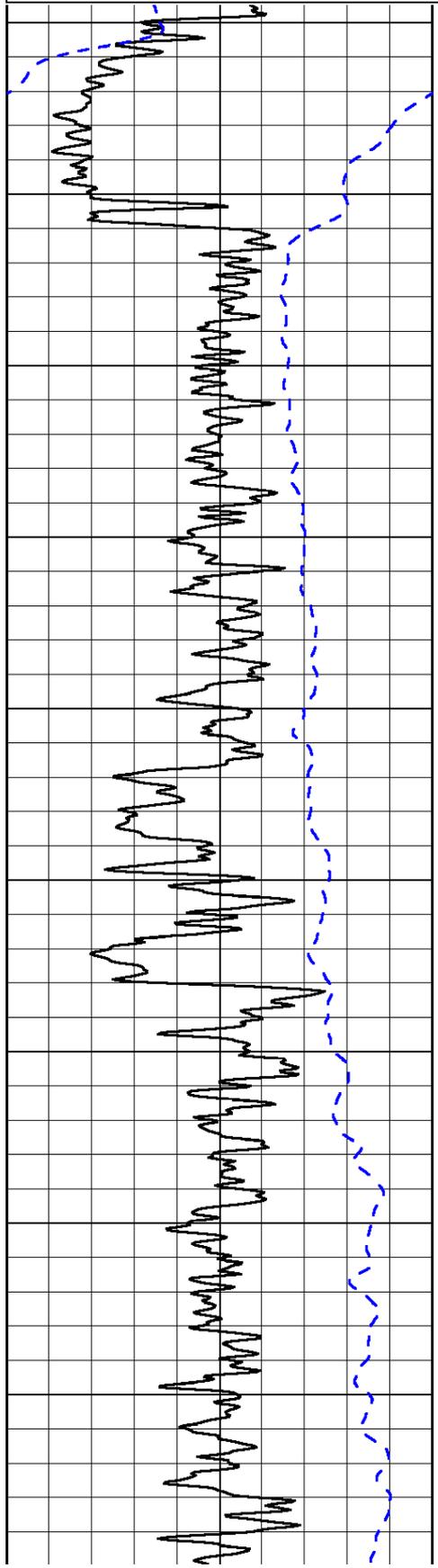
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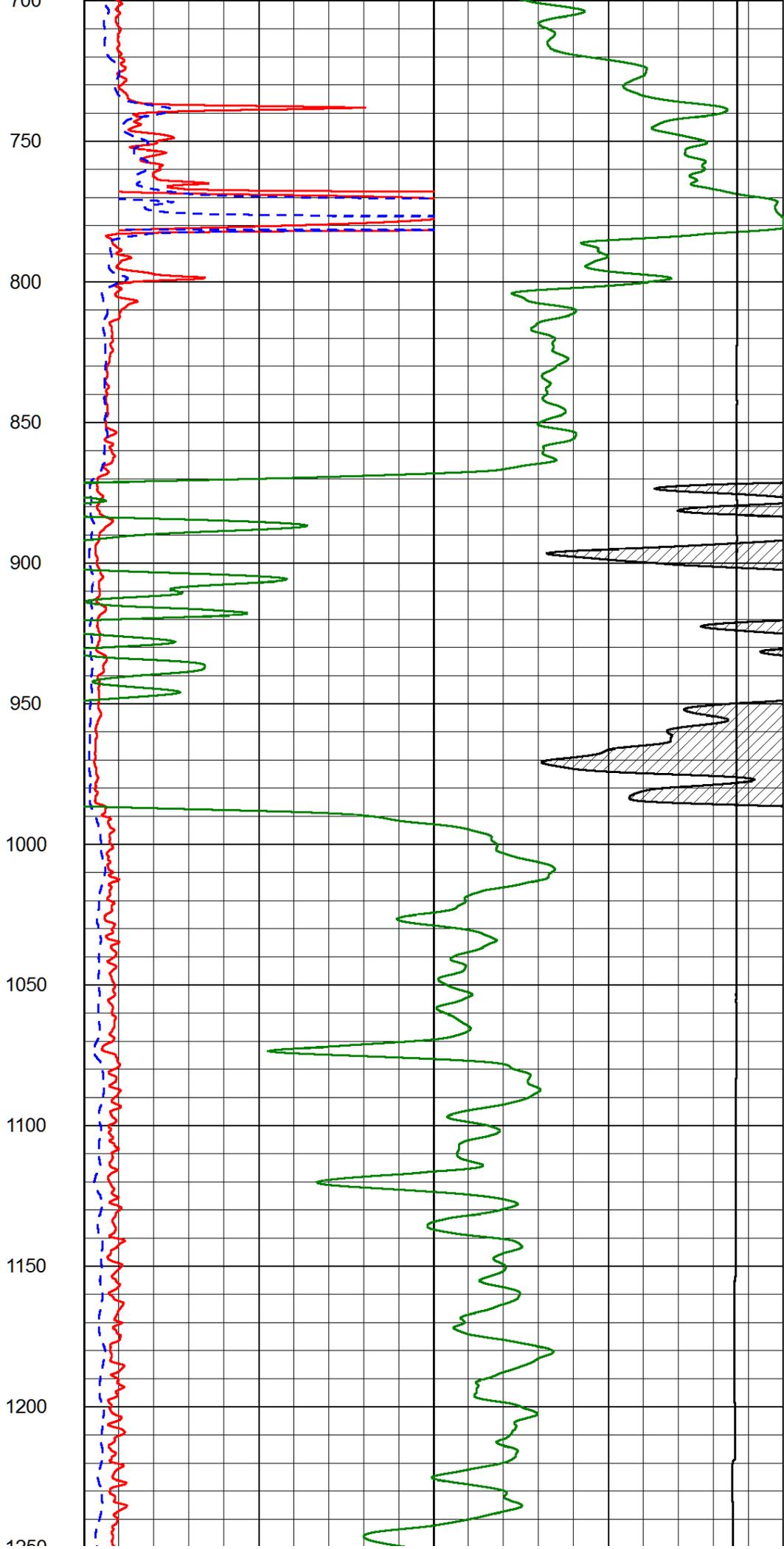
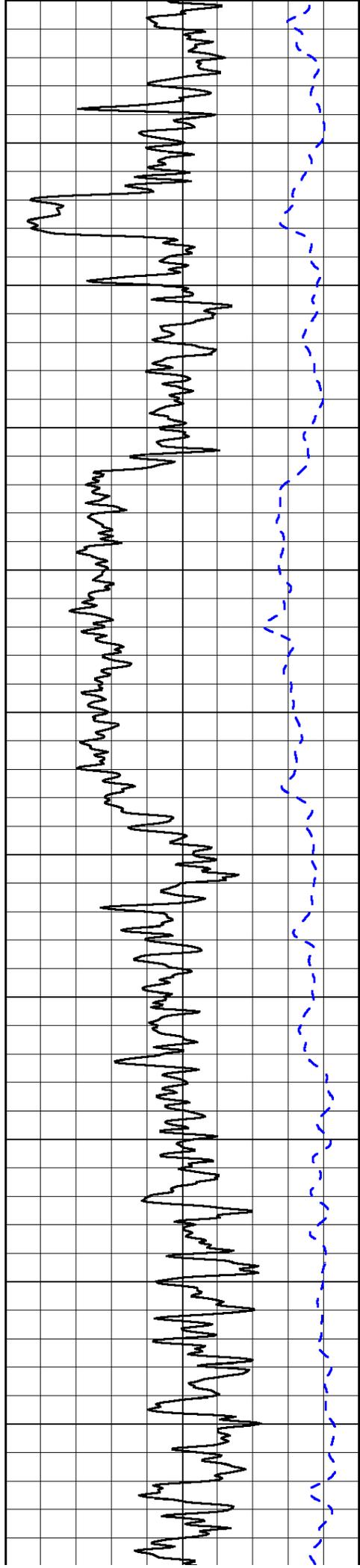
Burdett Kansas
West on 156 HWY to 232 Rd, 1 South, 1 West, 1 South 1, East, South to H Rd,
2 West, South Into

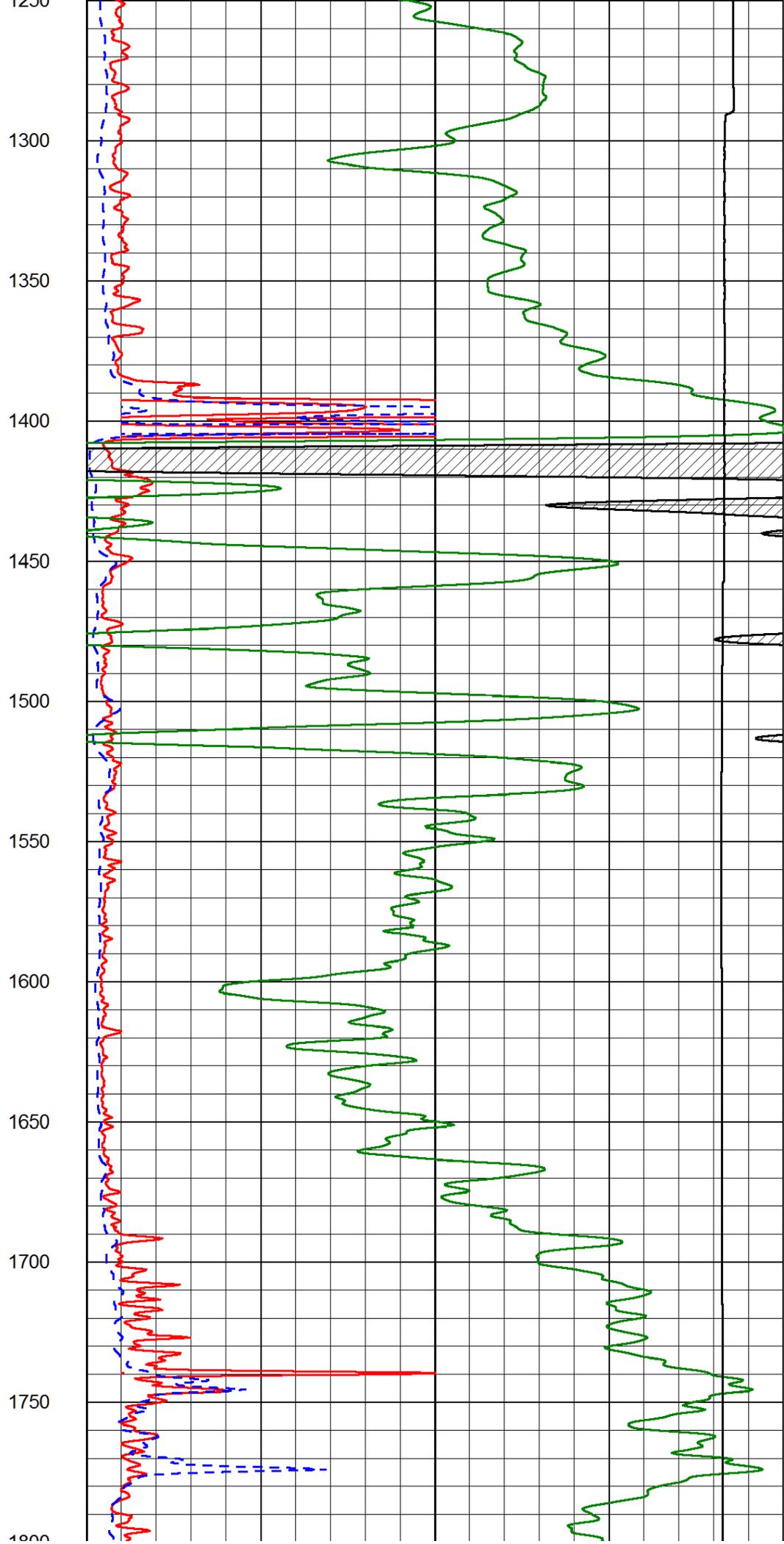
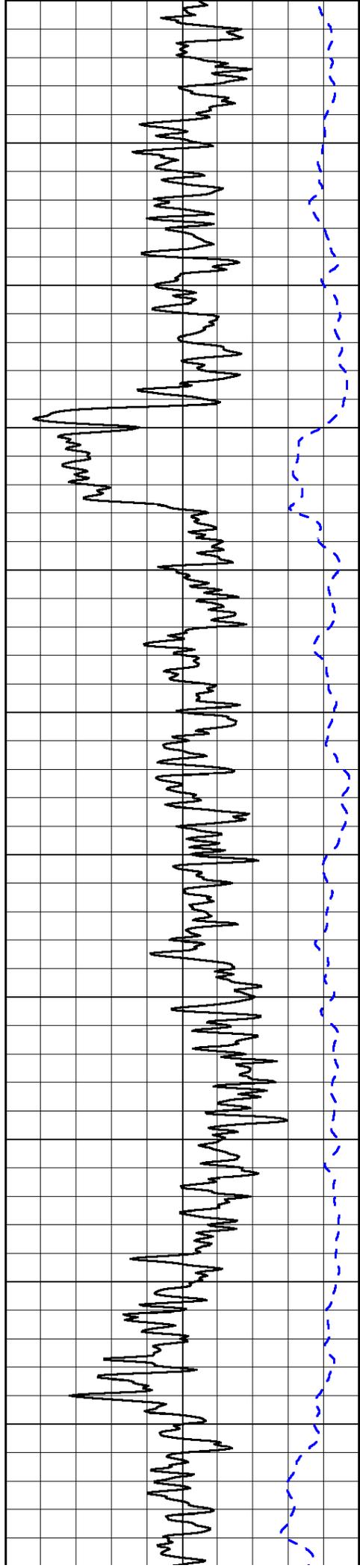
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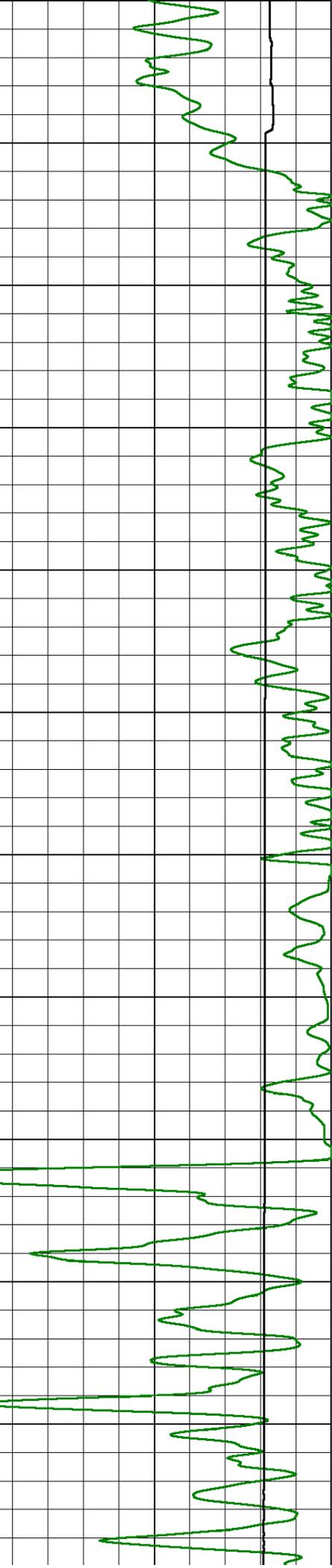
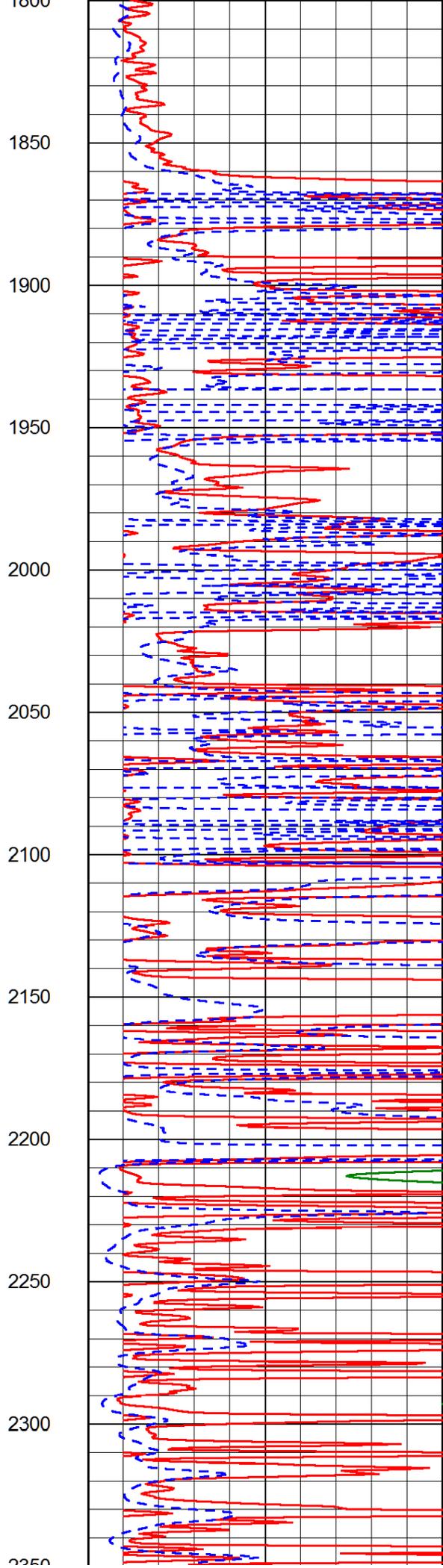
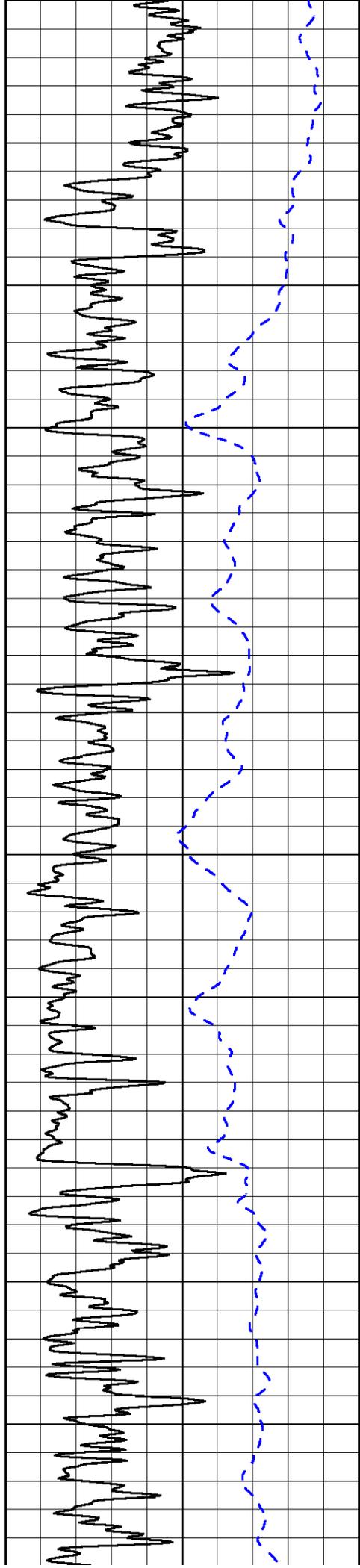
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-200	SP (mV)	0

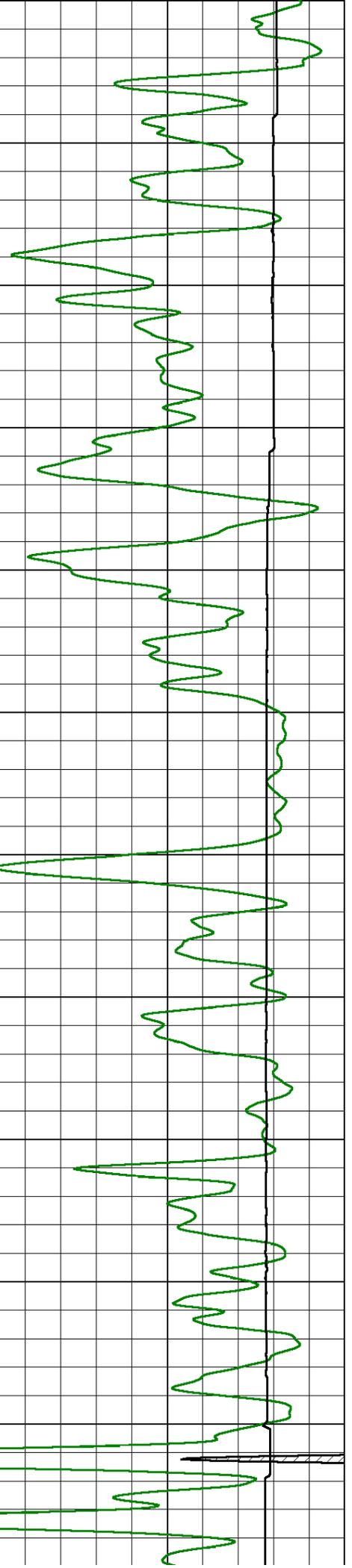
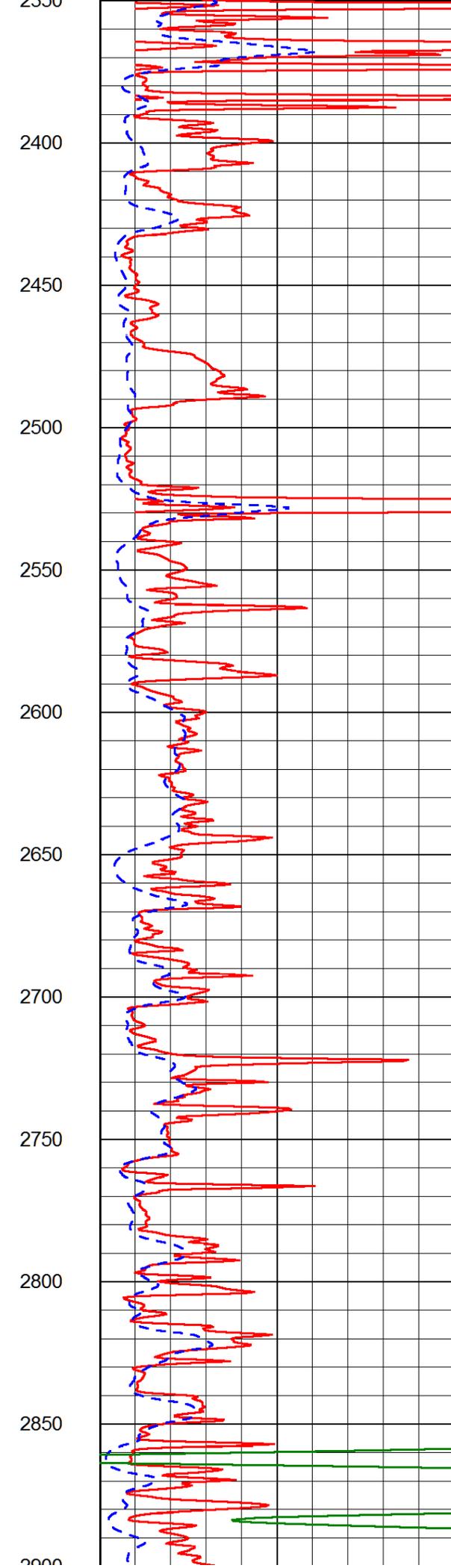
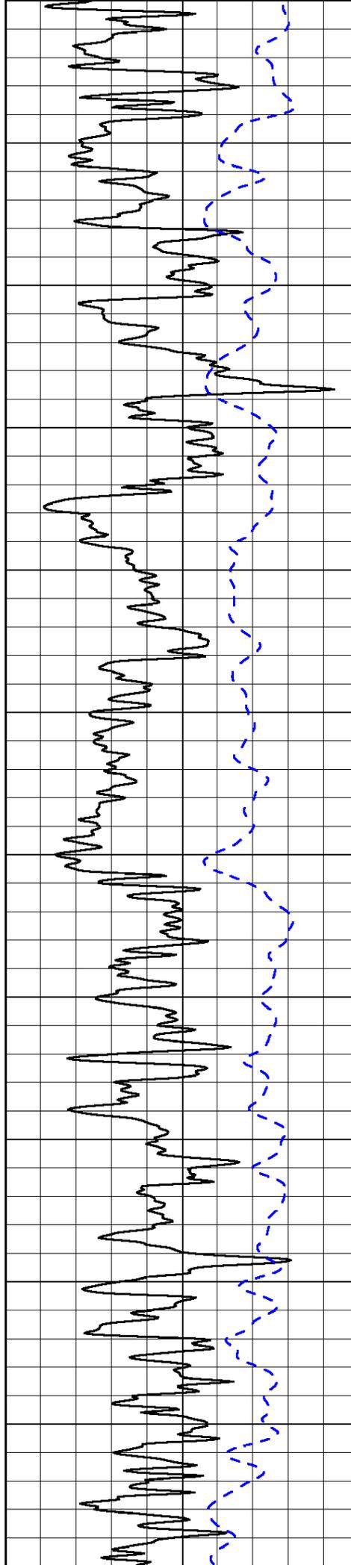
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0

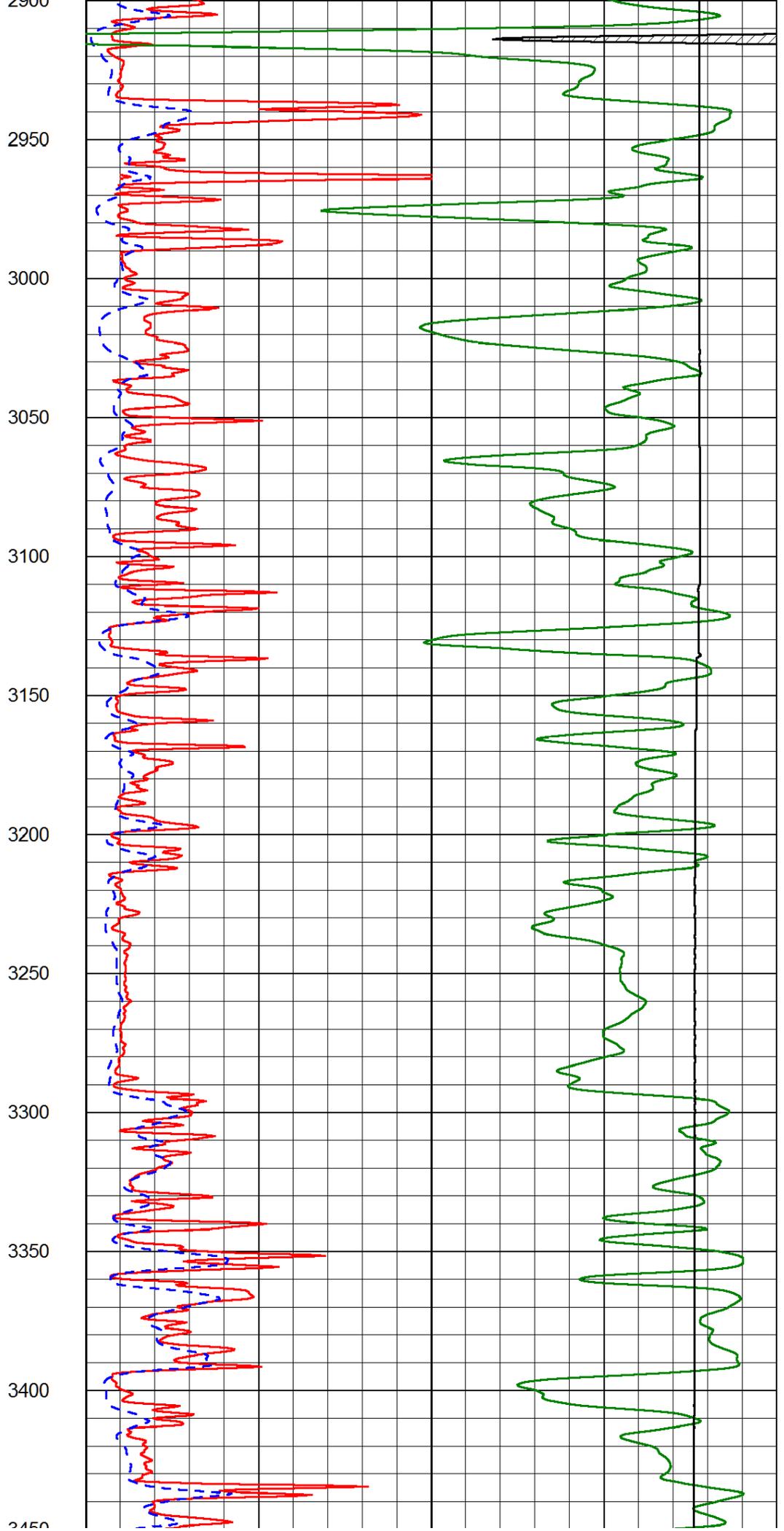
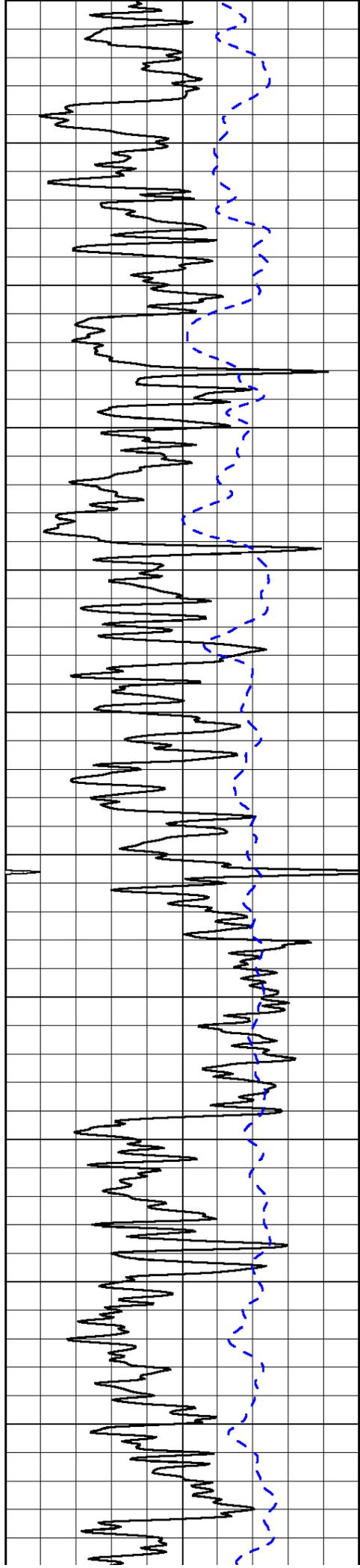


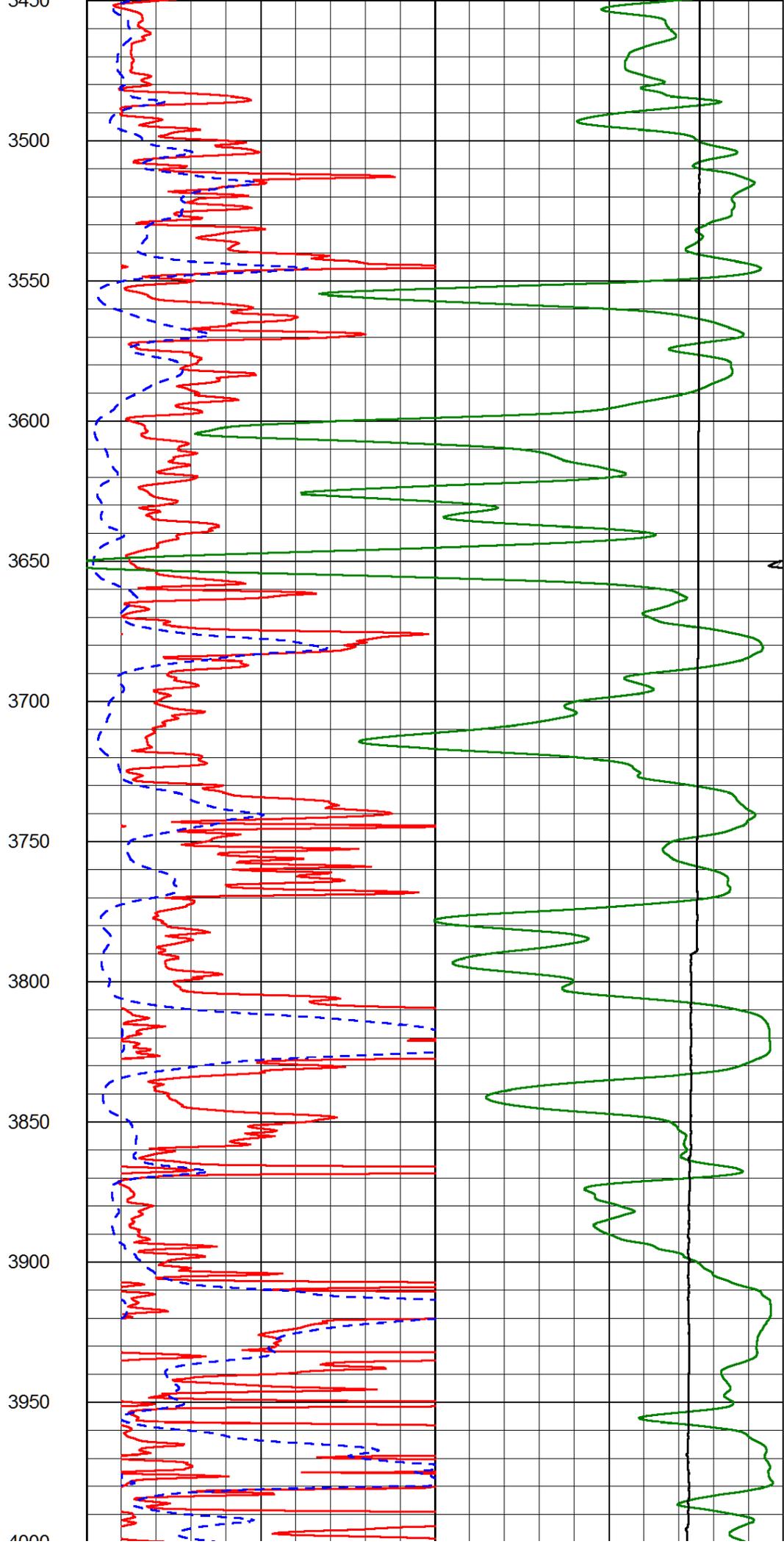
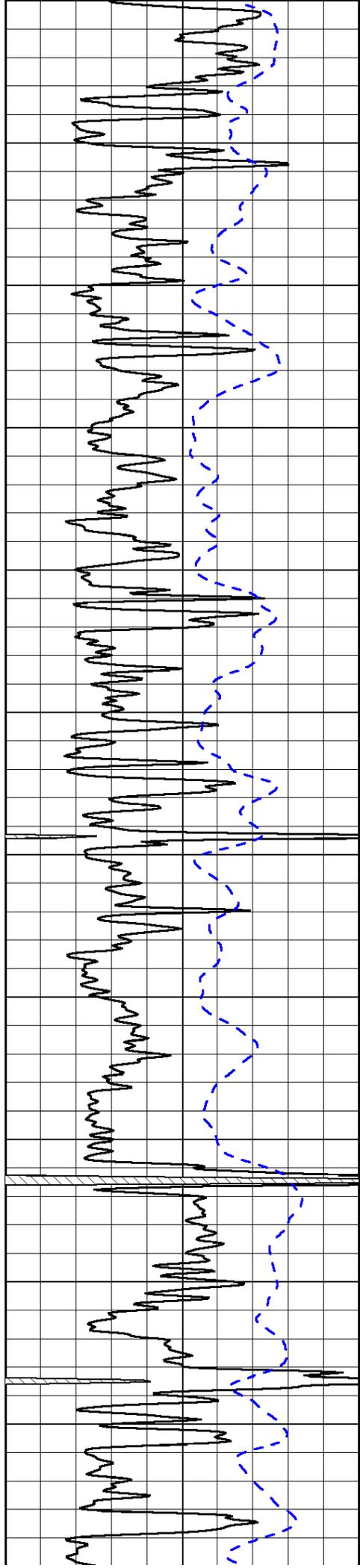


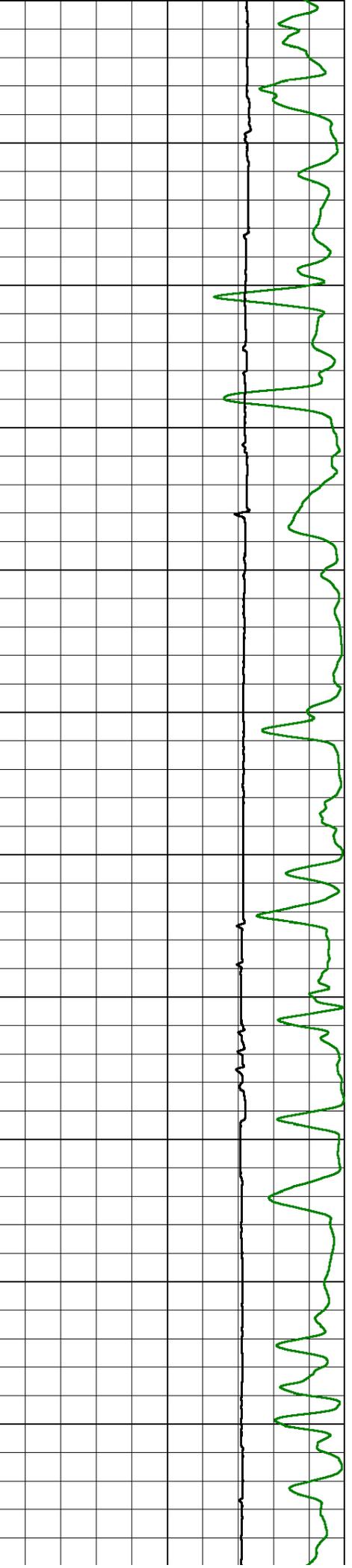
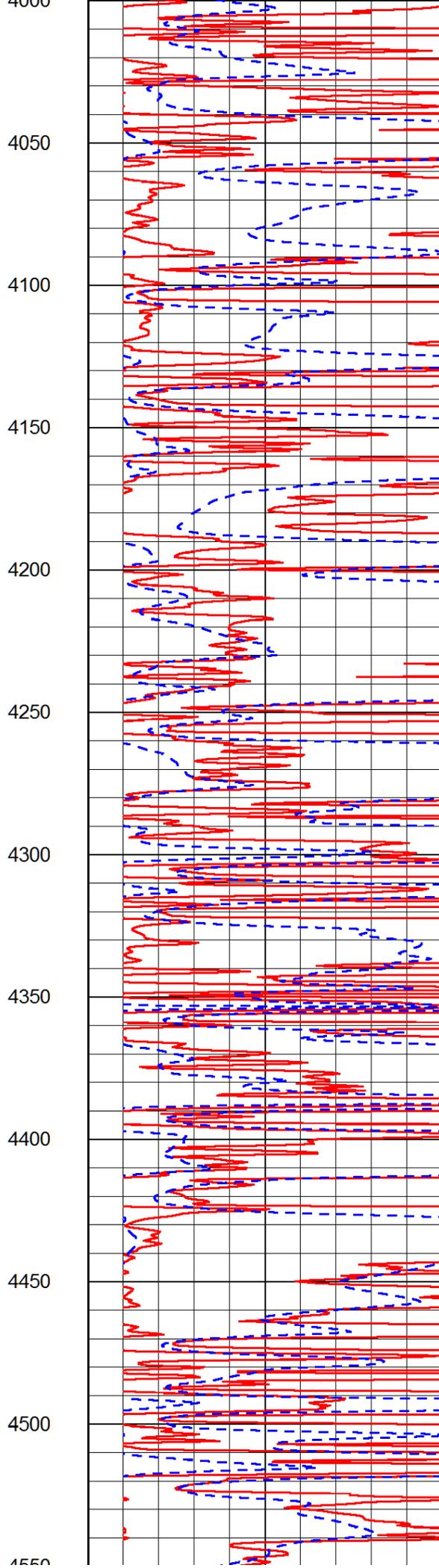
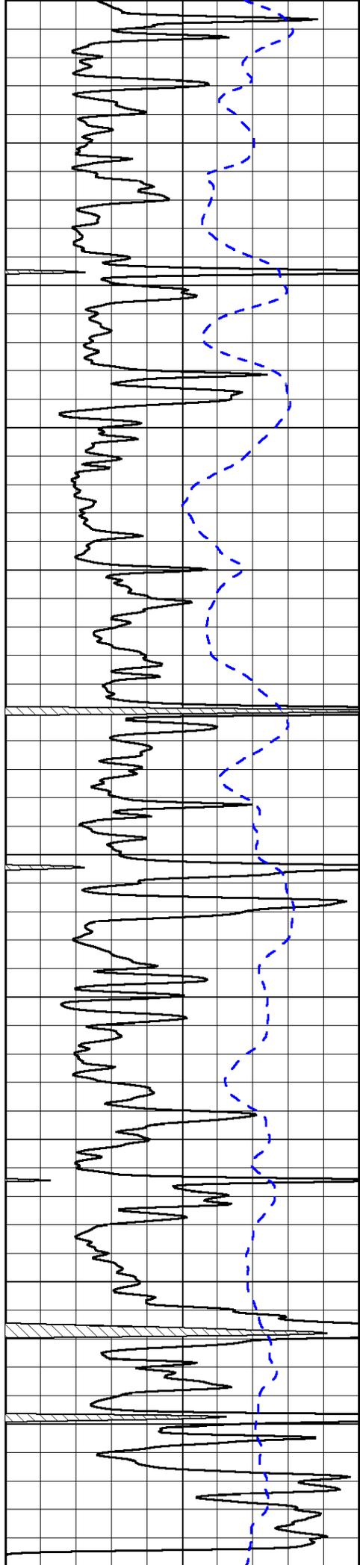


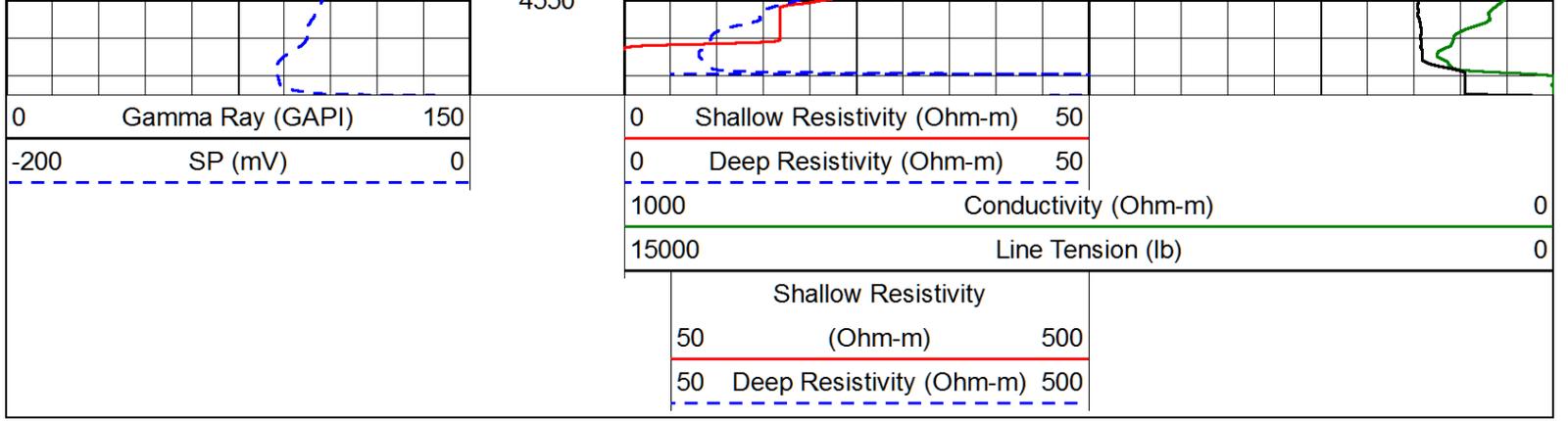




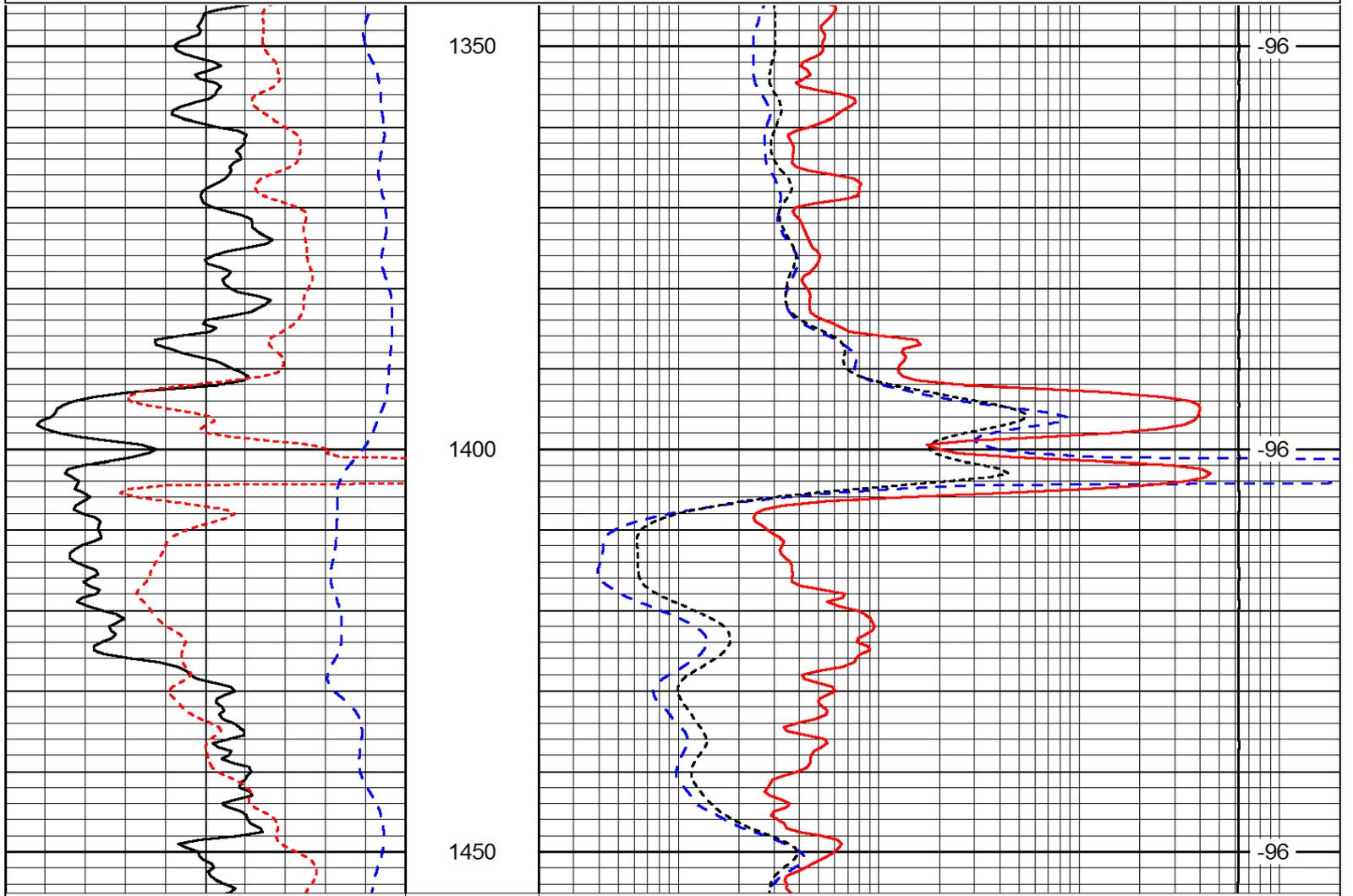
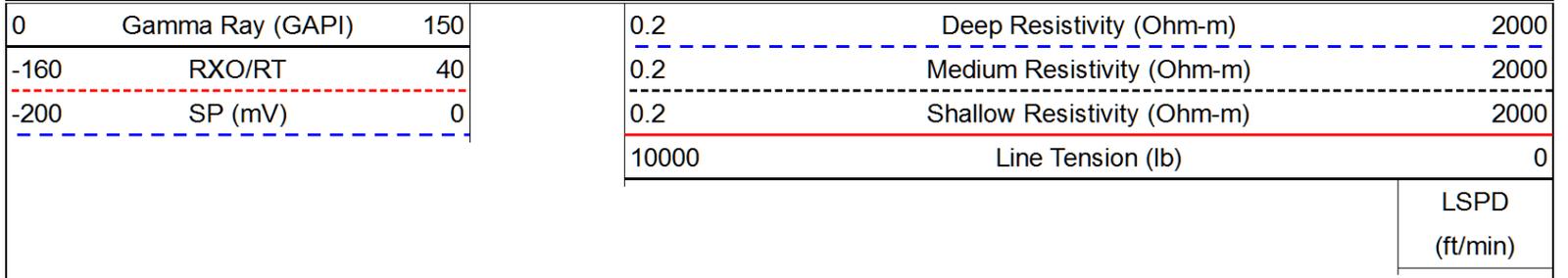








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 Dataset Pathname: DIL/beckstk
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 Dataset Creation: Fri Dec 20 09:31:36 2013
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-200 SP (mV) 0

0.2 Shallow Resistivity (Ohm-m) 2000

10000 Line Tension (lb) 0

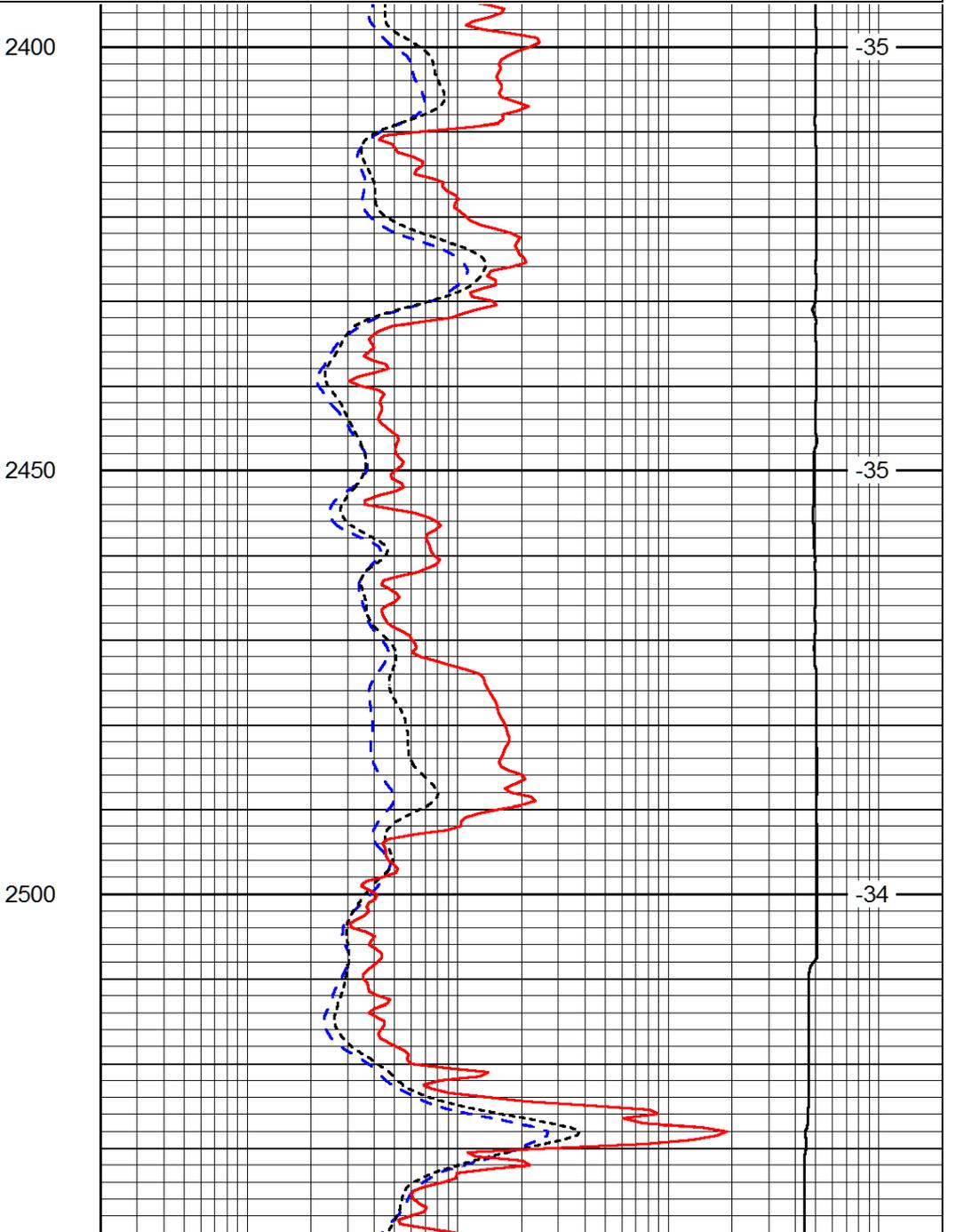
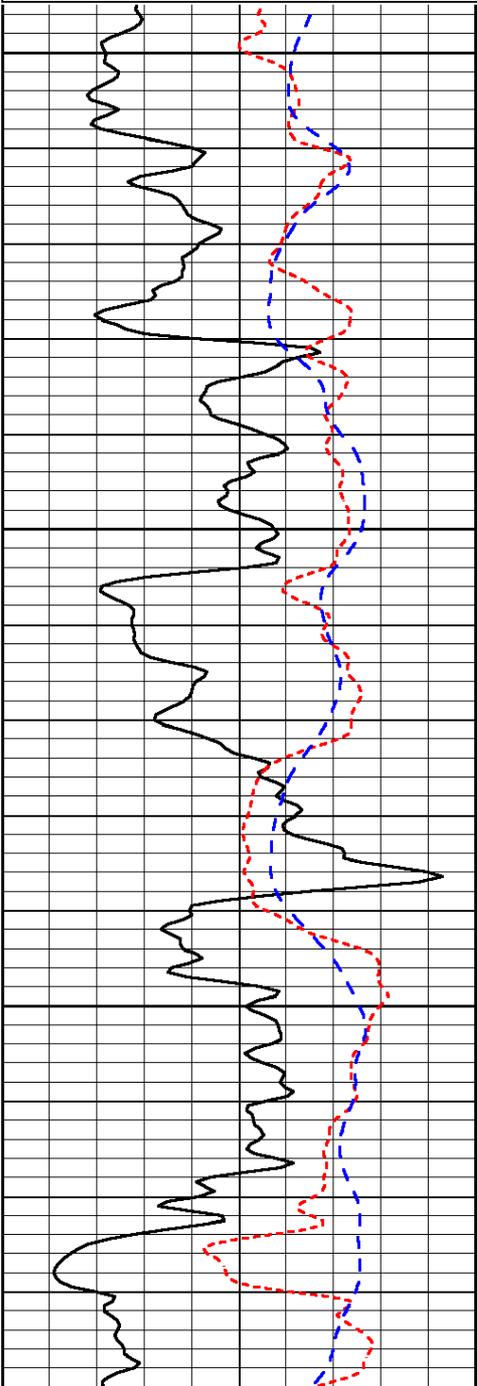
LSPD
(ft/min)

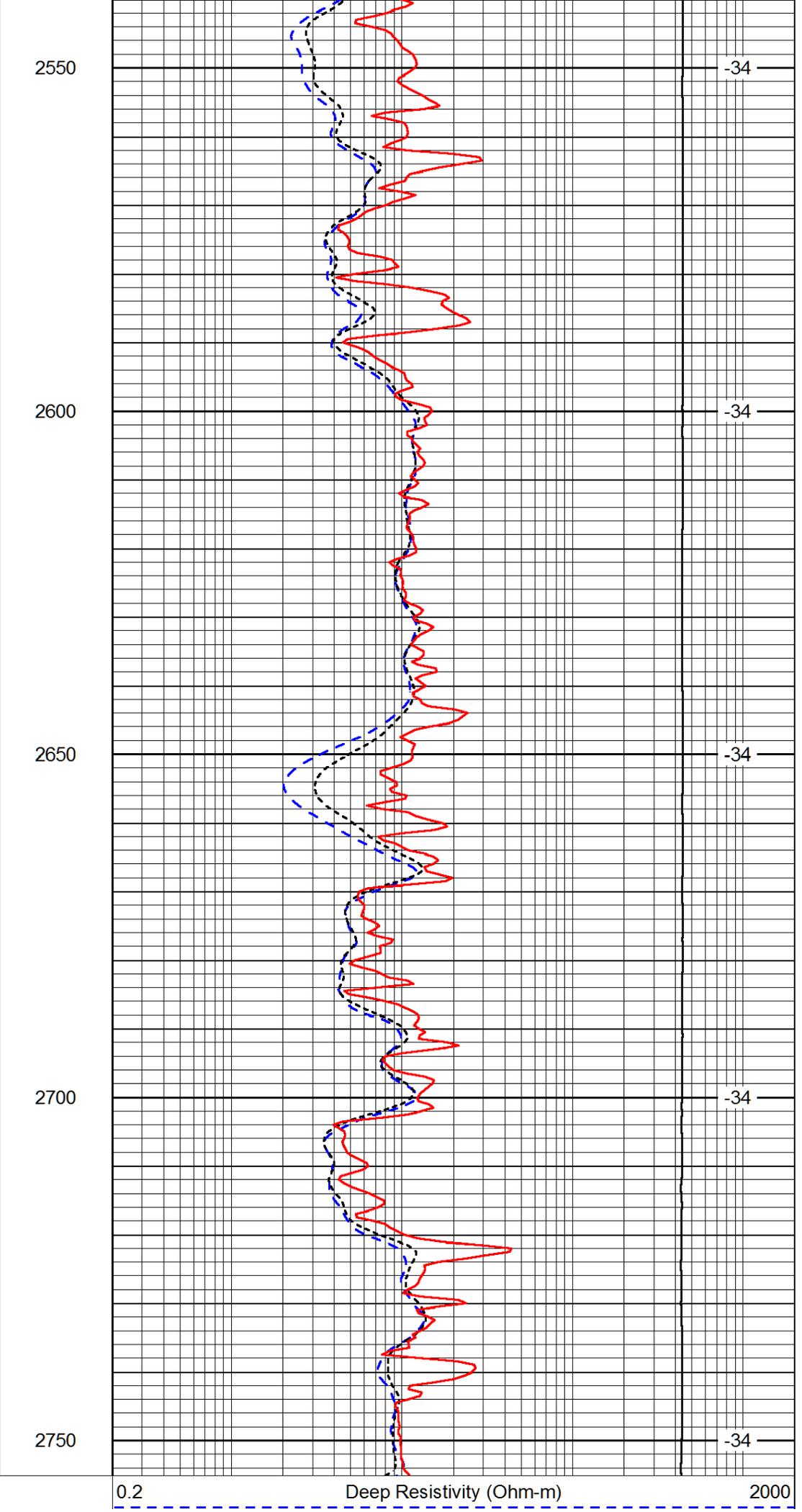
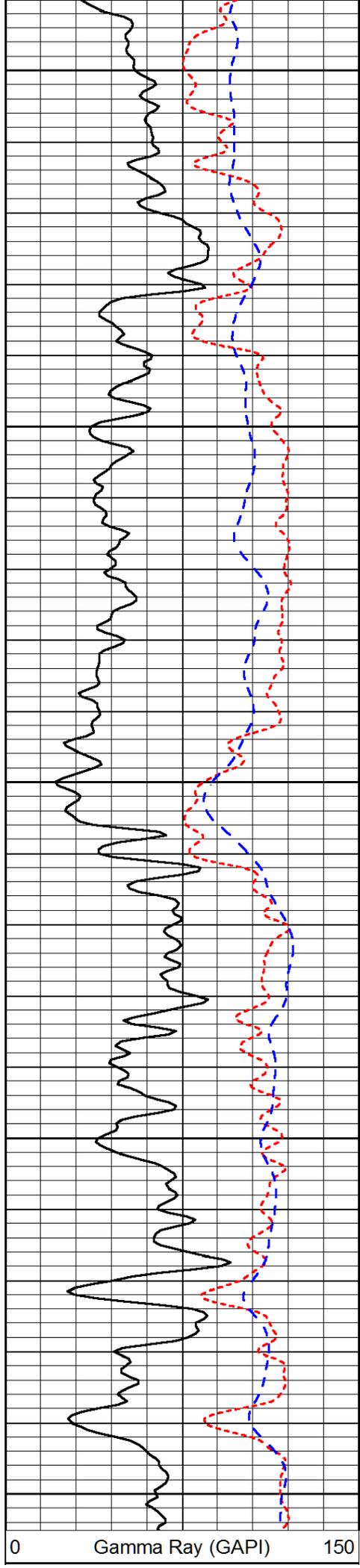
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0 Gamma Ray (GAPI) 150
-160 RXO/RT 40
-200 SP (mV) 0

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)





-160	RXO/RT	40
-200	SP (mV)	0

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

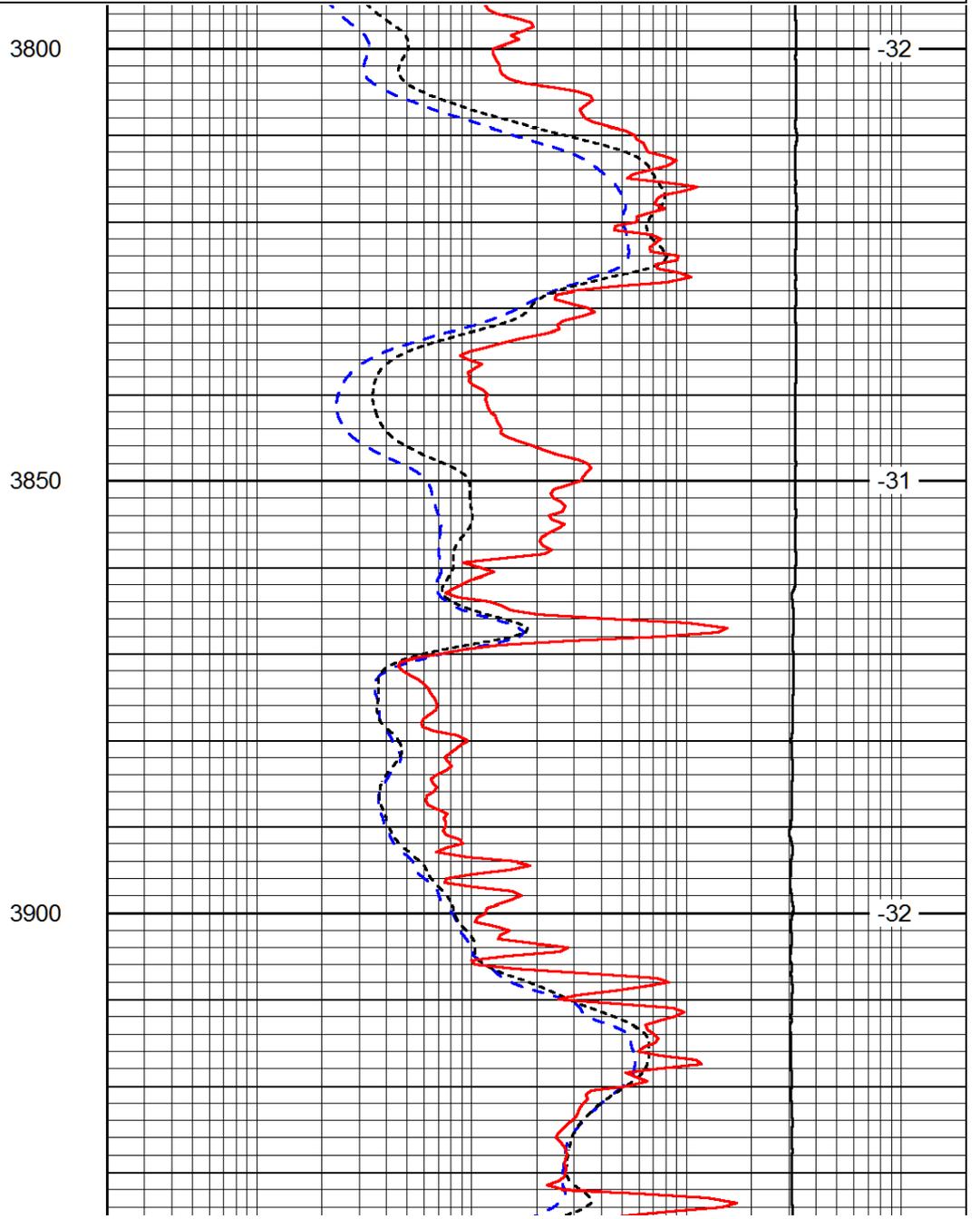
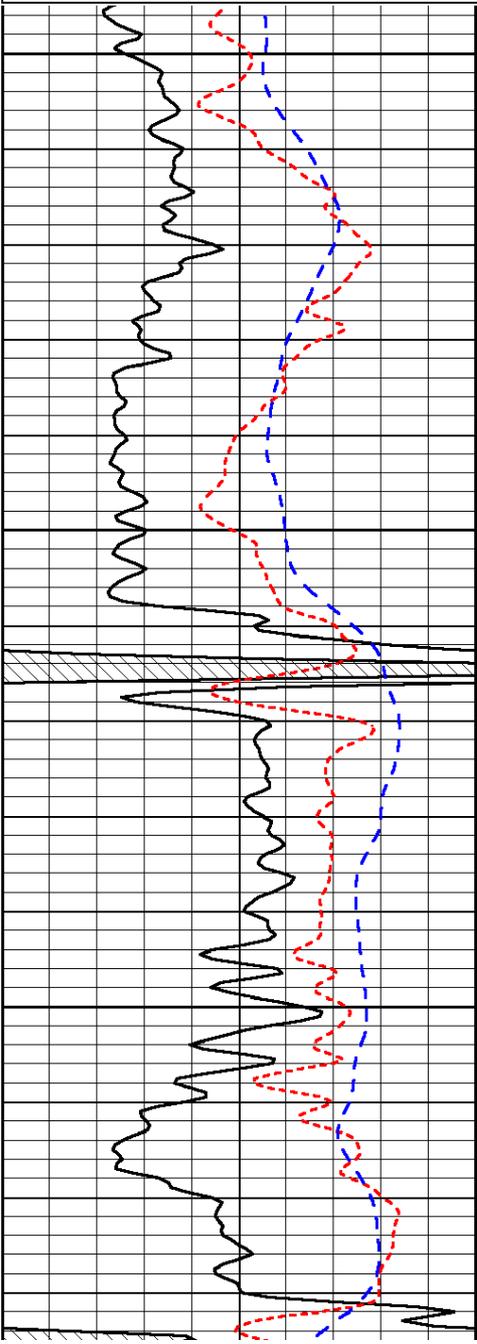
LSPD
(ft/min)

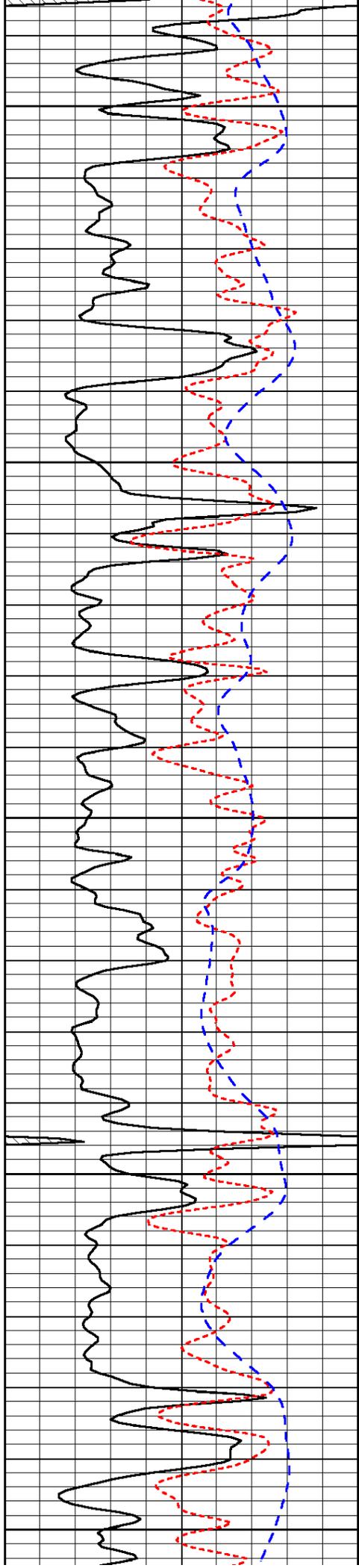
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 Dataset Creation: Fri Dec 20 09:31:36 2013
 Charted by: Depth in Feet scaled 1:240

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)





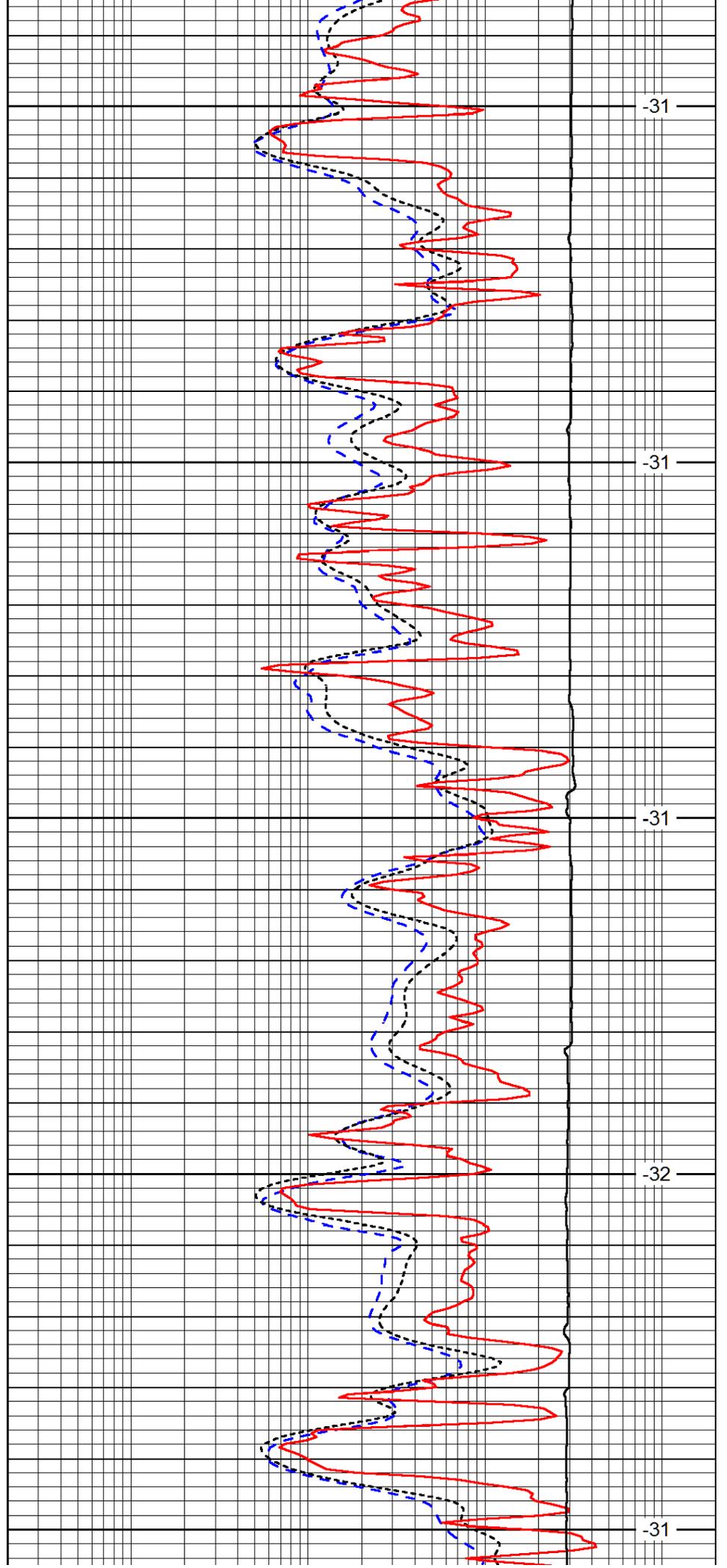
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4000

4050

4100

4150



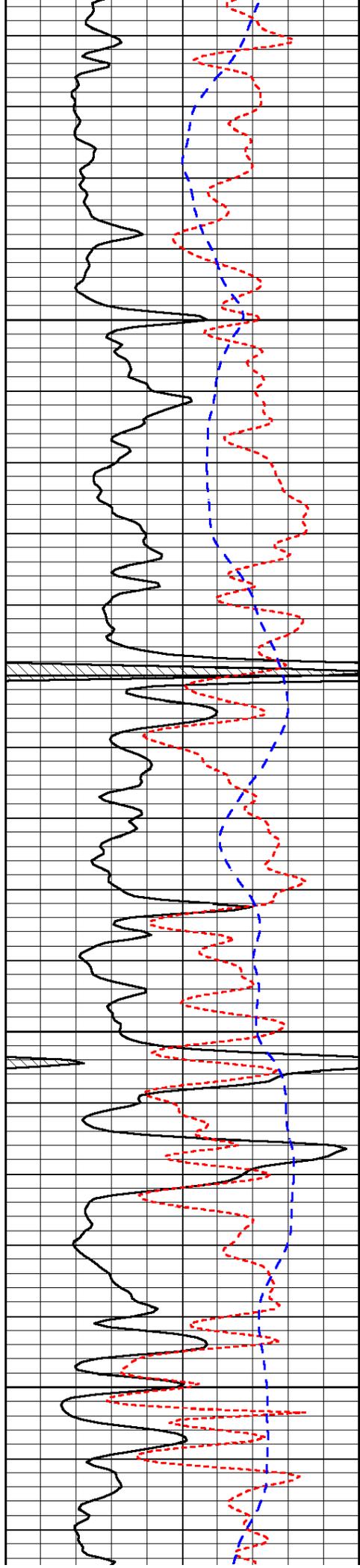
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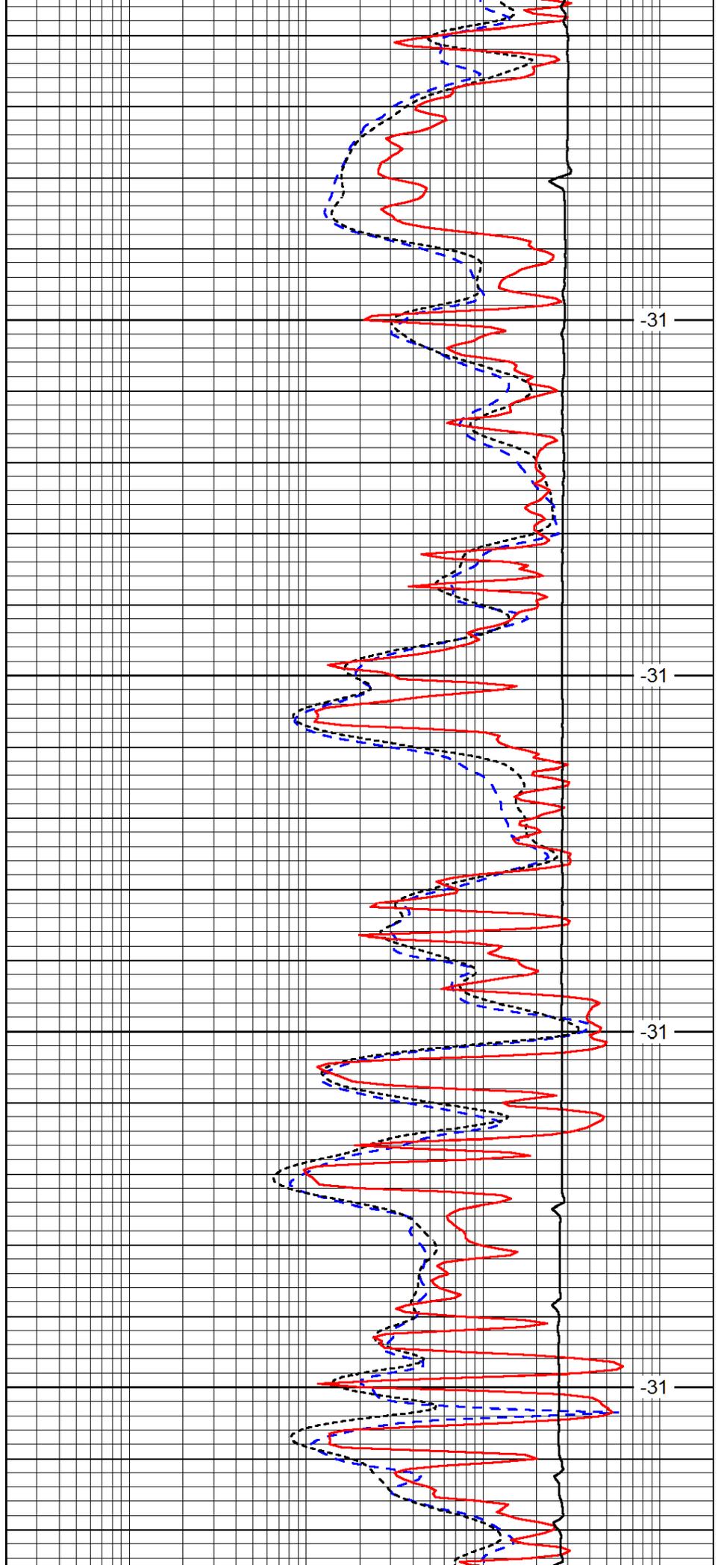


4200

4250

300

4350

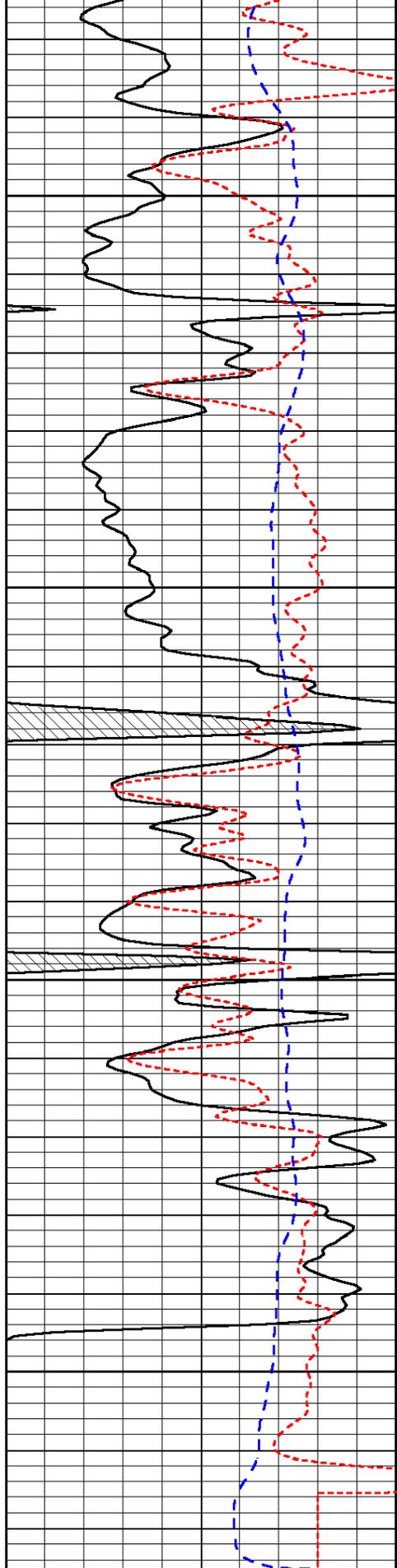


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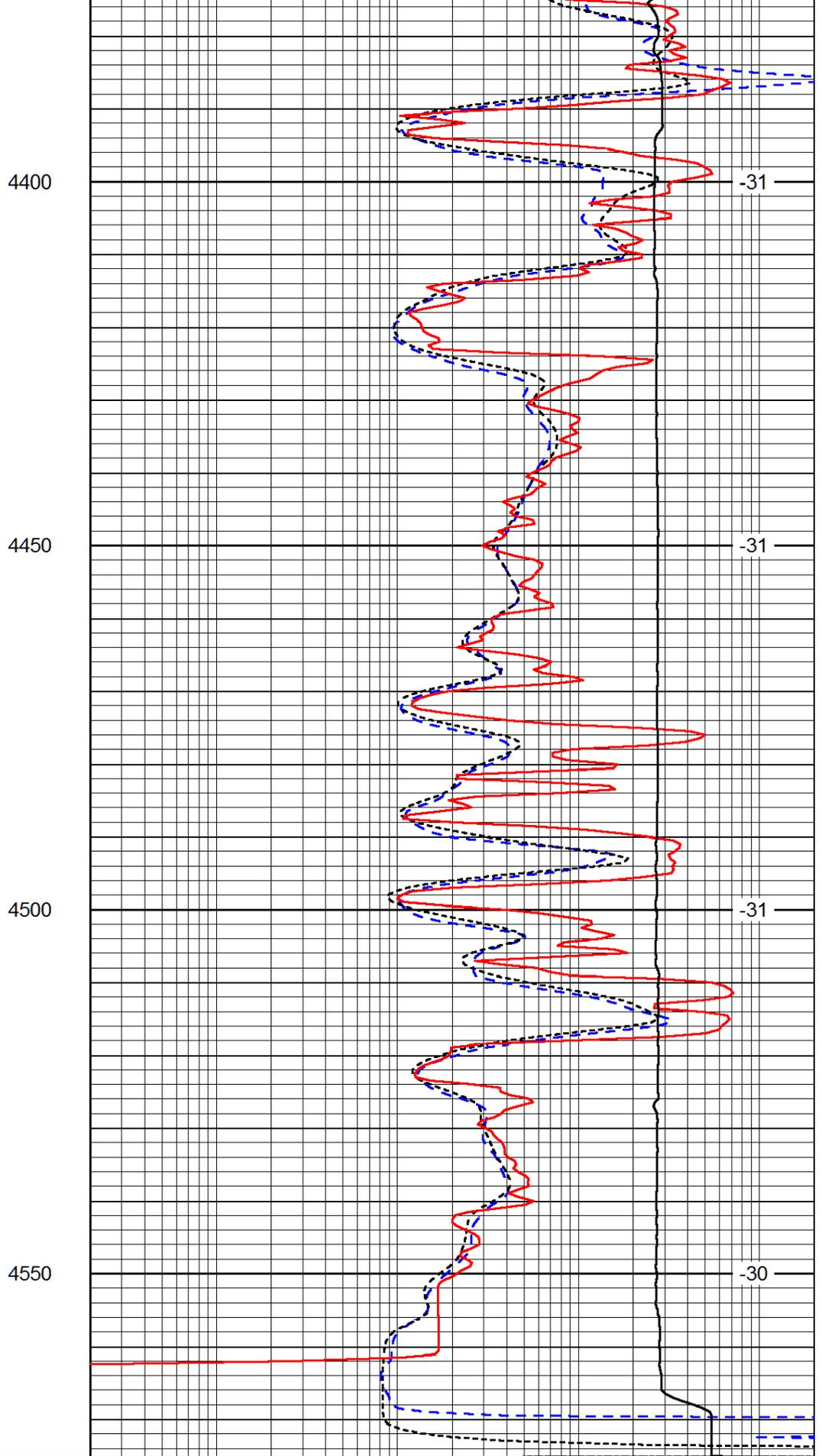
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0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0



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

