



Pioneer Energy Services

Dual Induction Log

15-051-26,662-00-00

API No.	Company Oil Producers, Inc. of Kansas		Other Services CNL/CDL
	Well Clinton 'D' No. 5		
	Field Bemis-Shutts		
	County Ellis	State Kansas	
	Location SW-NE-SW-NW 1955' FNL & 924' FWL		
	Sec: 5	Twp: 12S	Rge: 17W
Permanent Datum	Ground Level	Elevation 2126	
Log Measured From	Kelly Bushing	5	Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing		
Date	3/29/14		Elevation K.B. 2131 D.F. 2126 G.L. 2126

Run Number	One
Depth Driller	3690
Depth Logger	3688
Bottom Logged Interval	3687
Top Log Interval	200
Casing Driller	8.625 @ 213
Casing Logger	212
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5.800
Density / Viscosity	9.7 46
pH / Fluid Loss	8.0 12.0
Source of Sample	Flowline
Rm @ Meas. Temp	.48 @ 67
Rmf @ Meas. Temp	.36 @ 67
Rmc @ Meas. Temp	.65 @ 67
Source of Rmf / Rmc	Charts
Rm @ BHT	.28 @ 113
Operating Rig Time	2 Hours
Max Rec. Temp. F	113
Equipment Number	108
Location	Hays
Recorded By	J. Henrickson
Witnessed By	Kent Matson

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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.

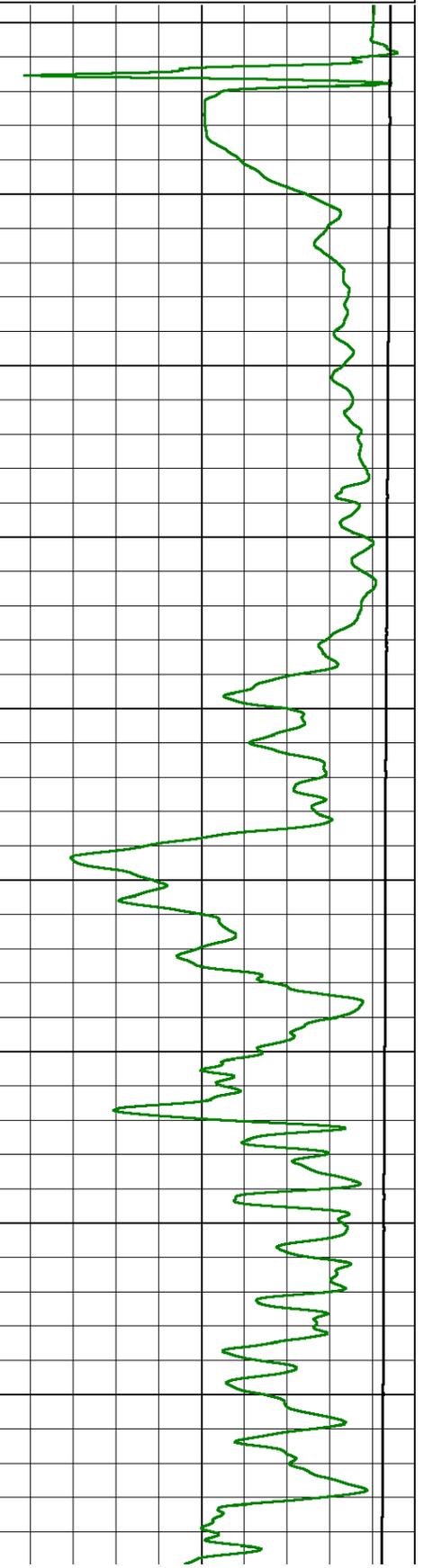
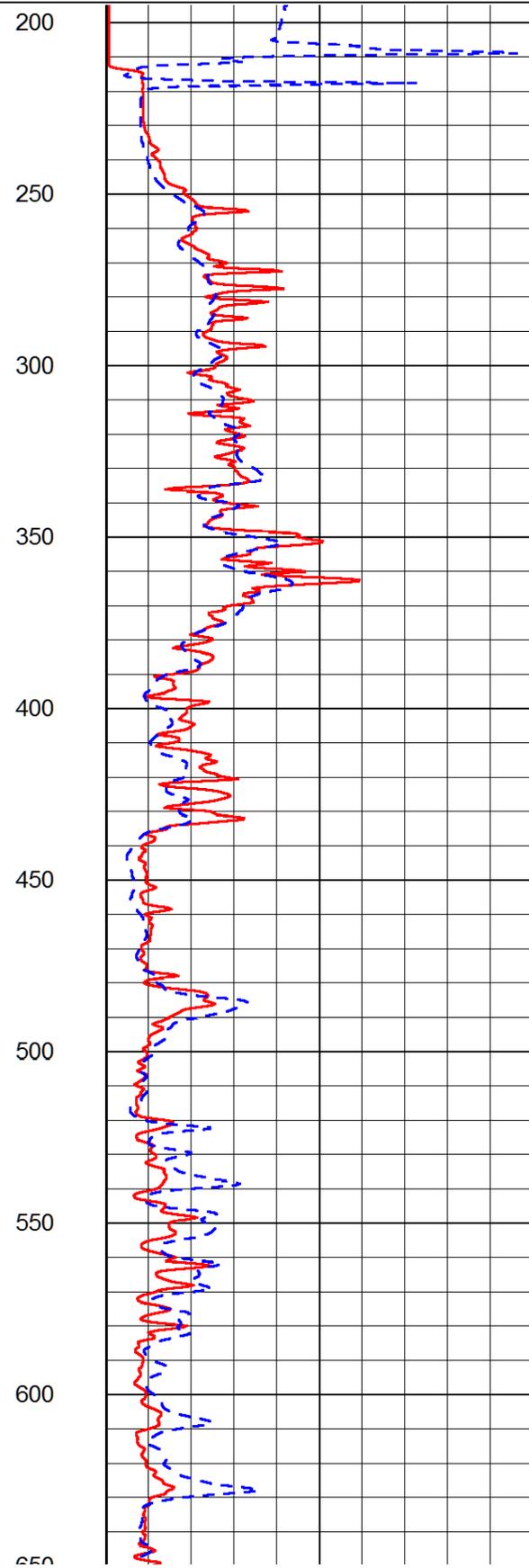
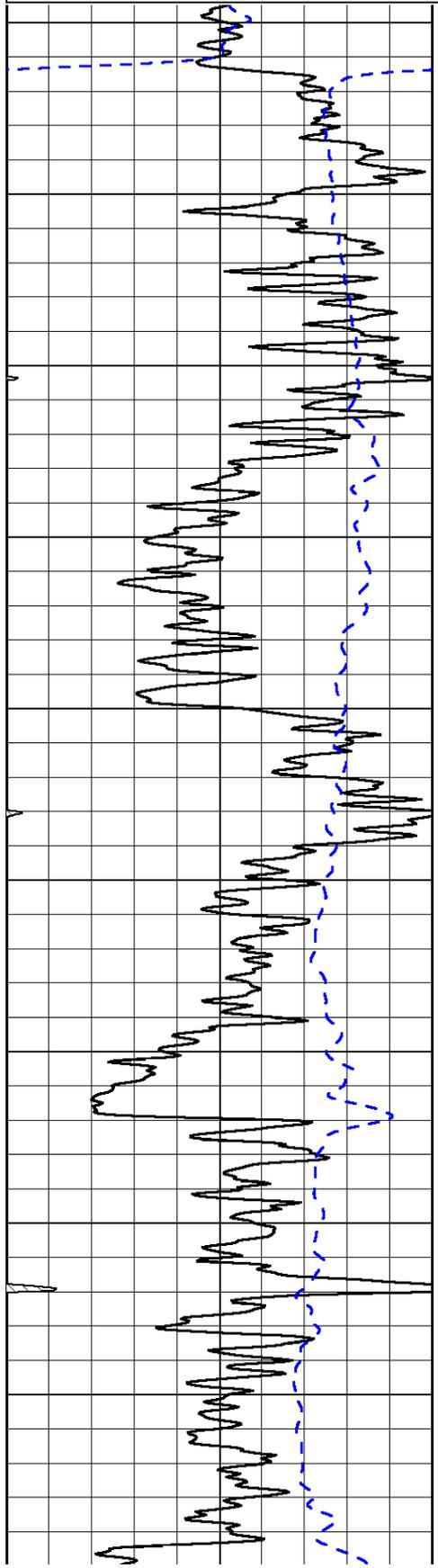
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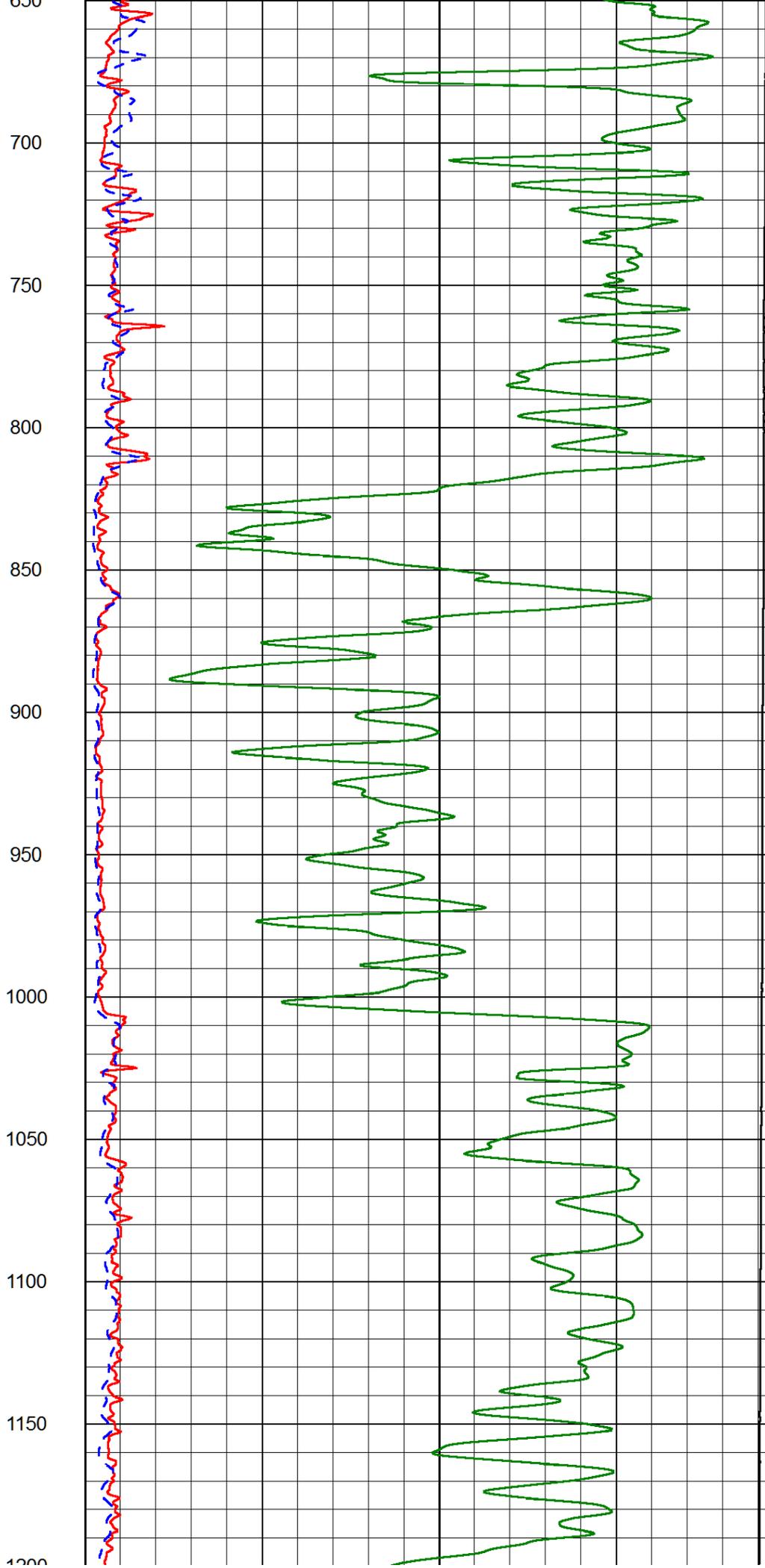
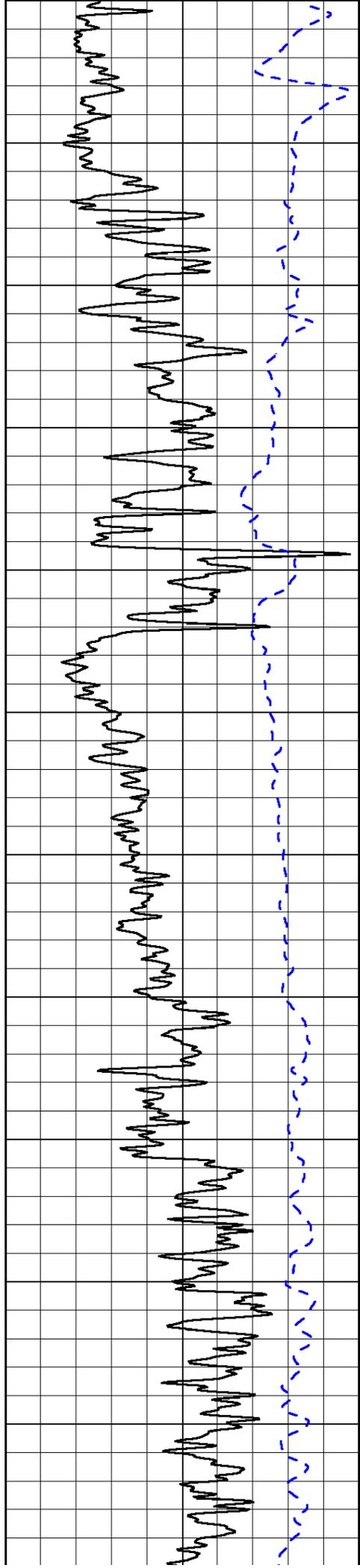
Thank you for using Log-Tech, Inc.
(785) 625-3858

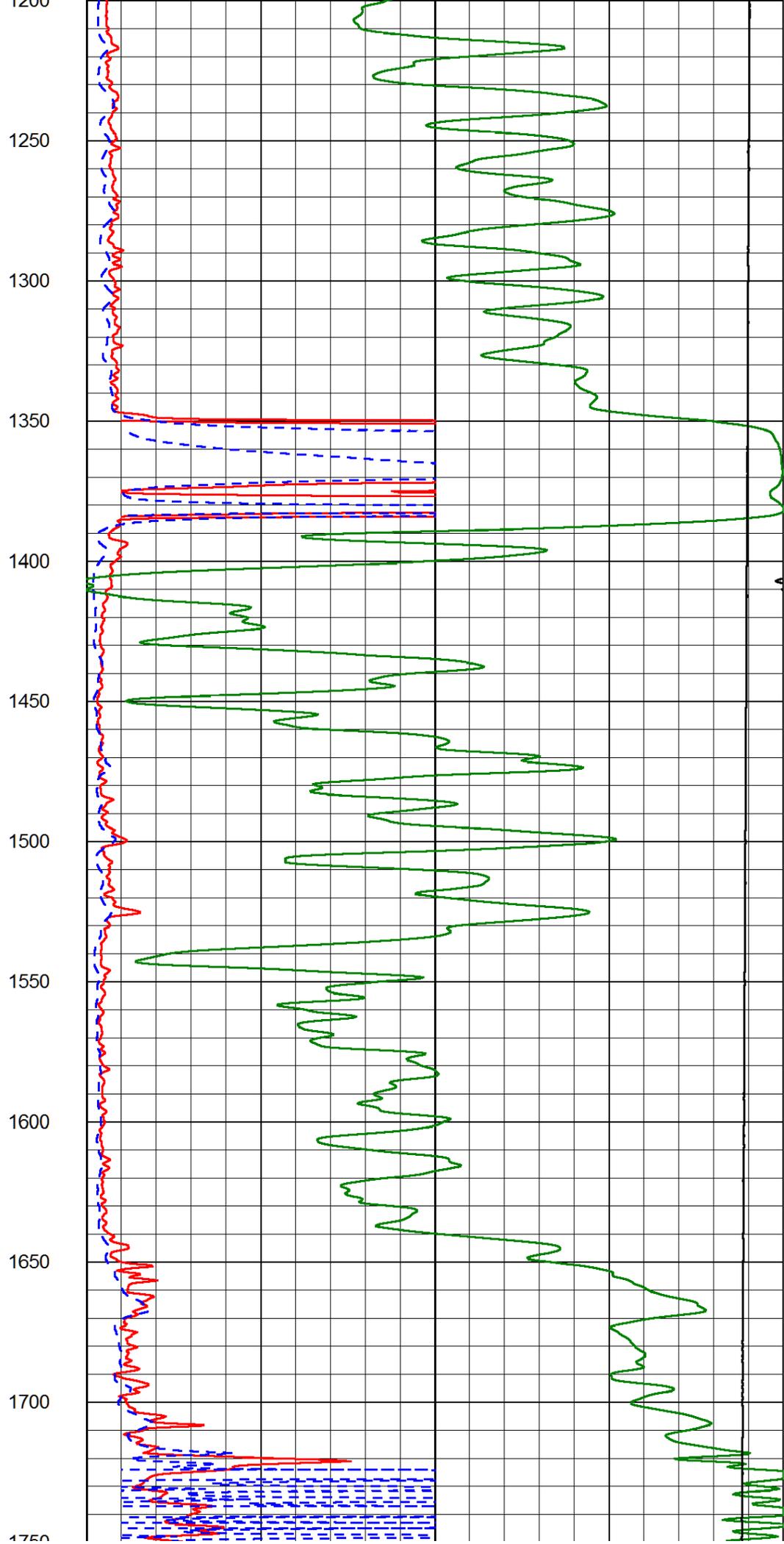
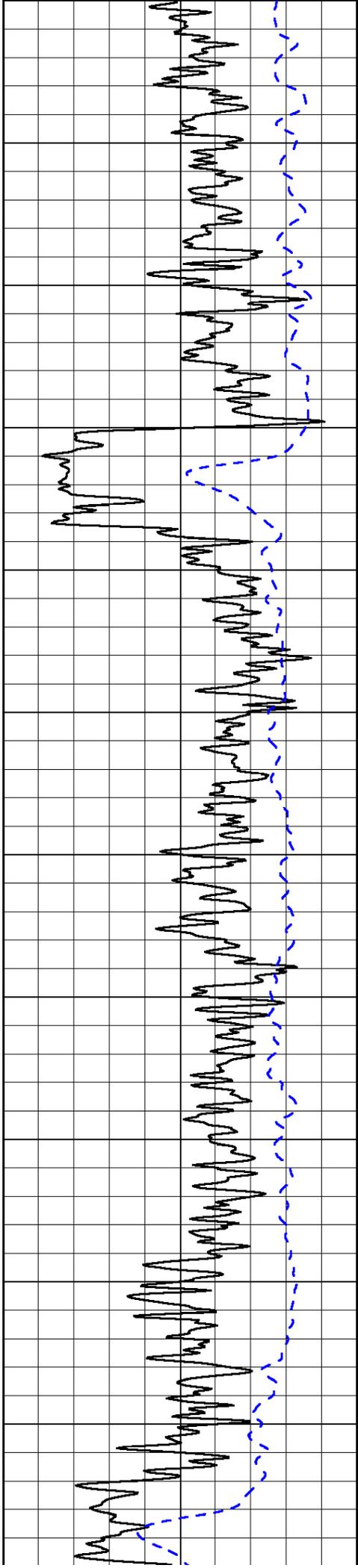
Hays Kansas
North to Severin Rd, East to Toulon, 1 1/2 North, East Into

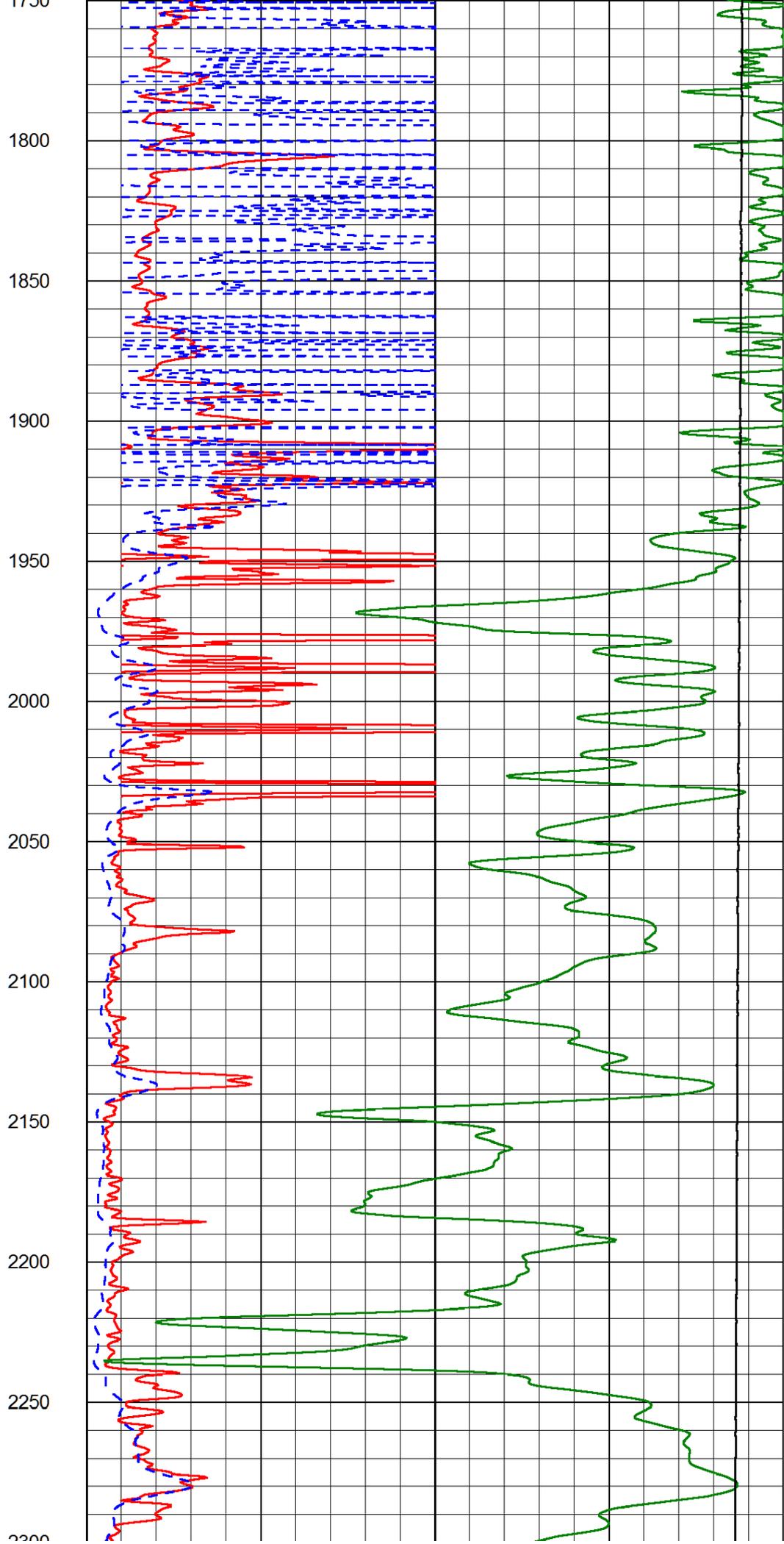
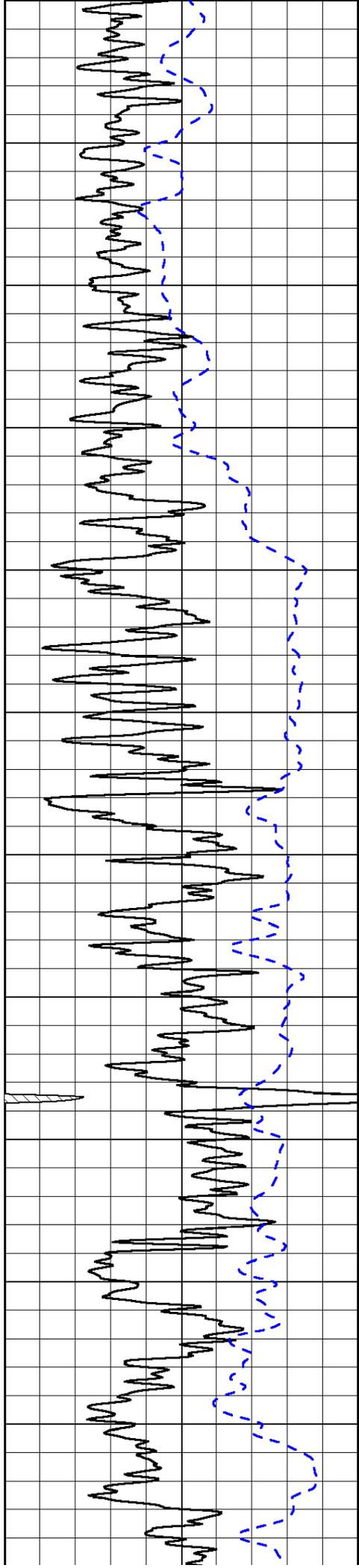
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-200	SP (mV)	0

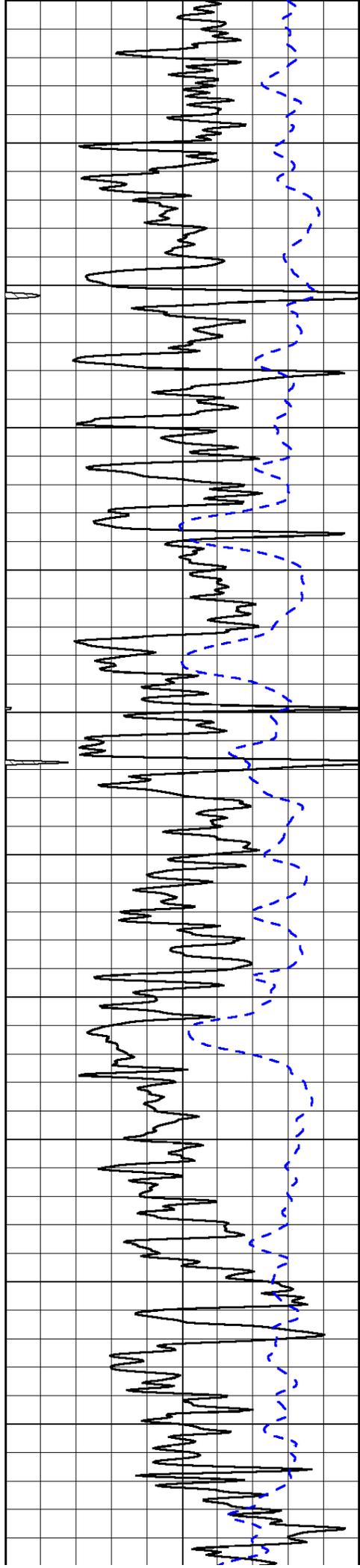
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500



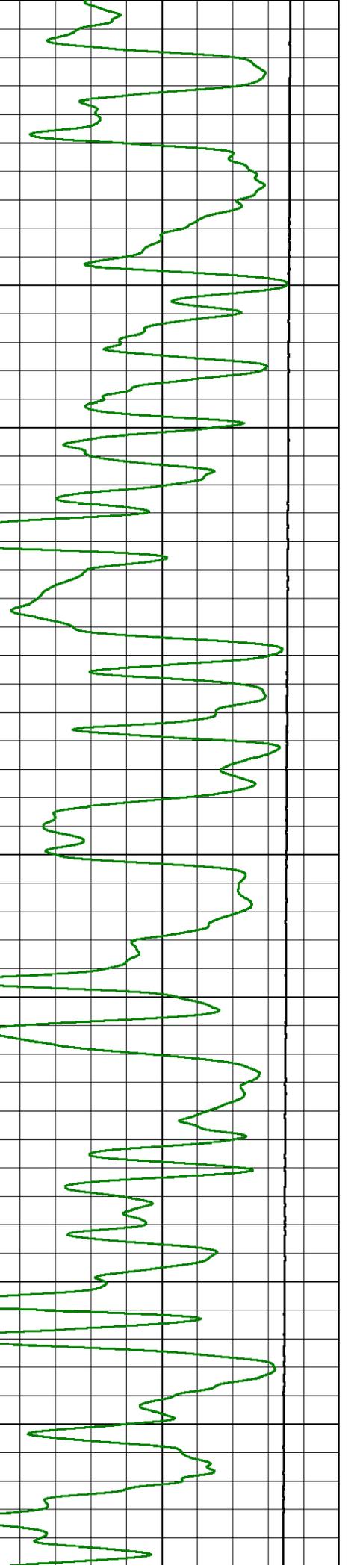
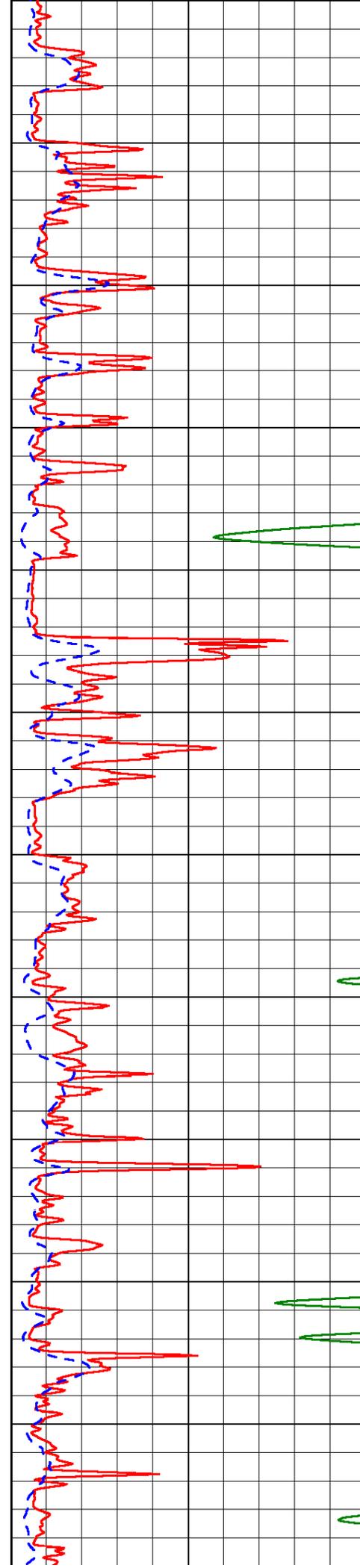


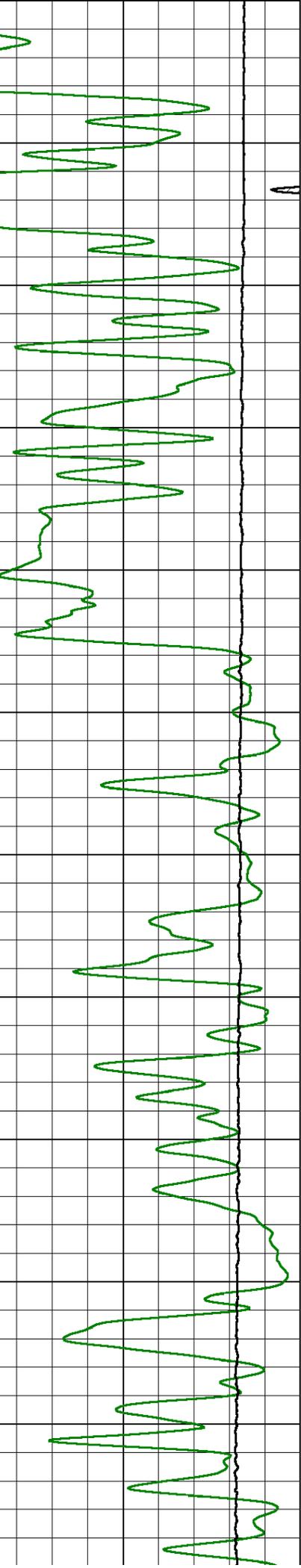
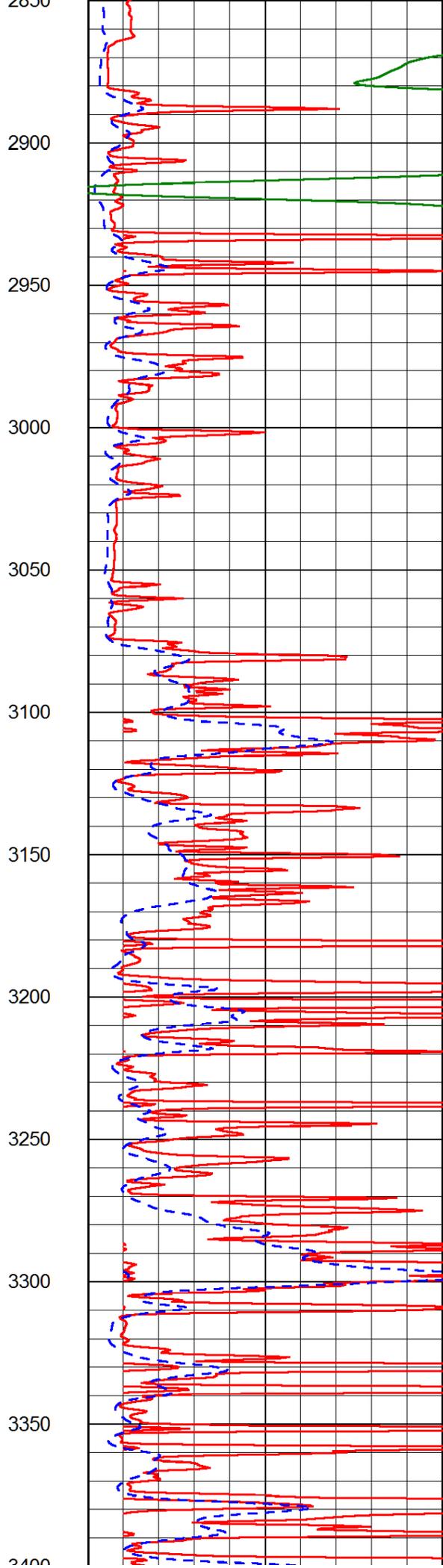
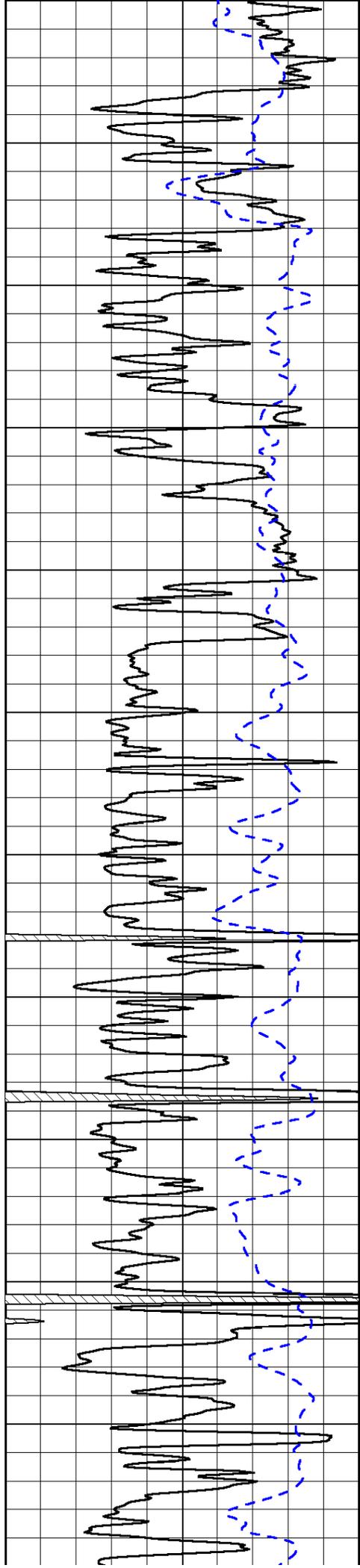


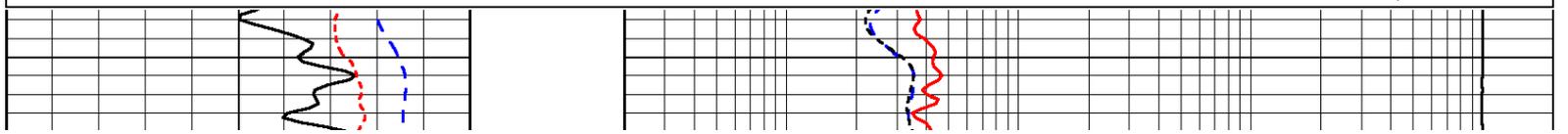
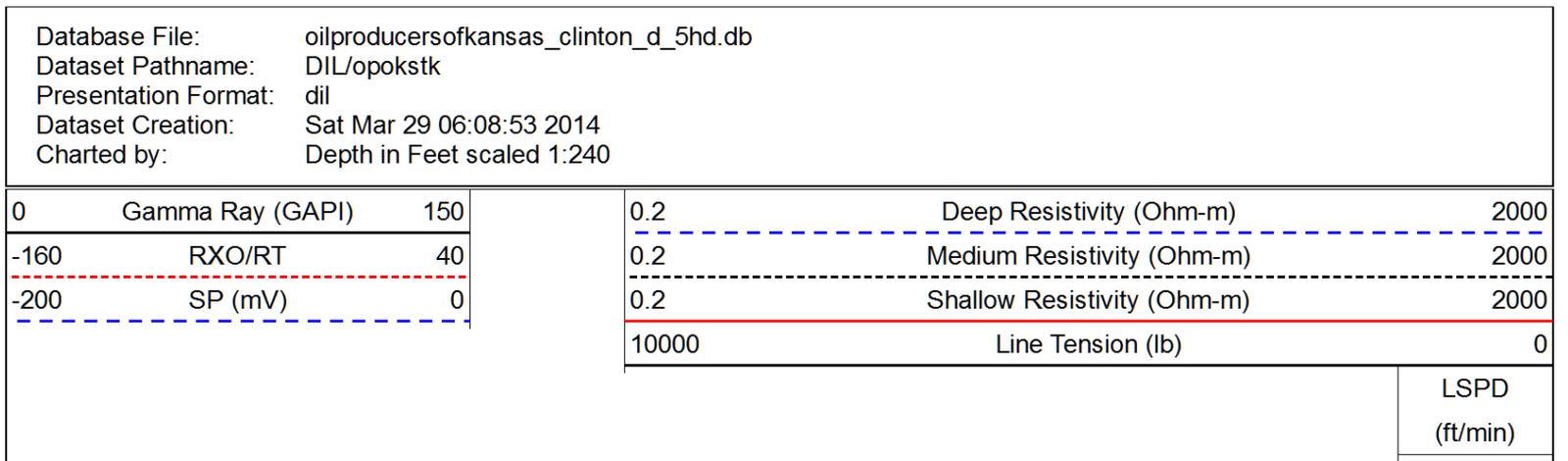
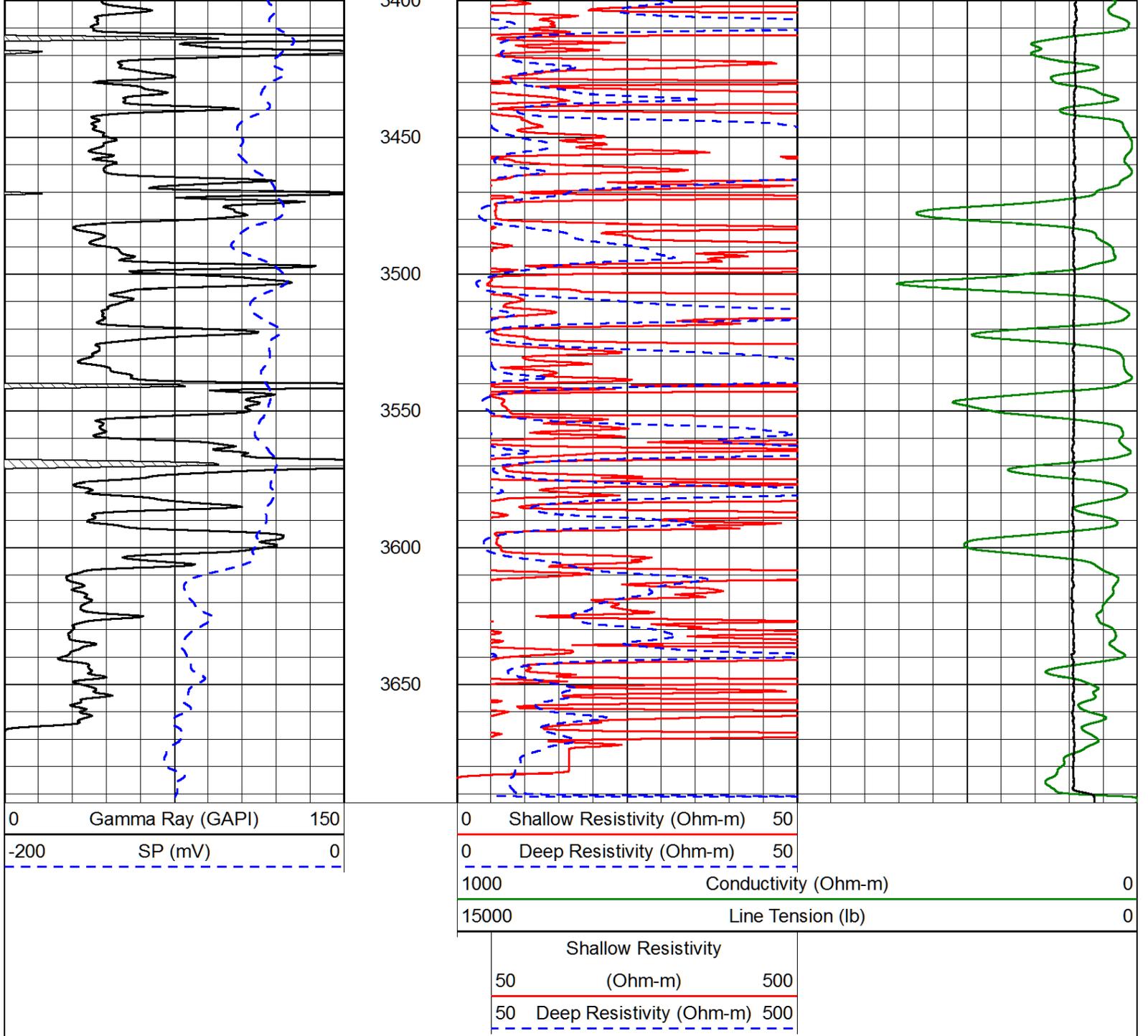


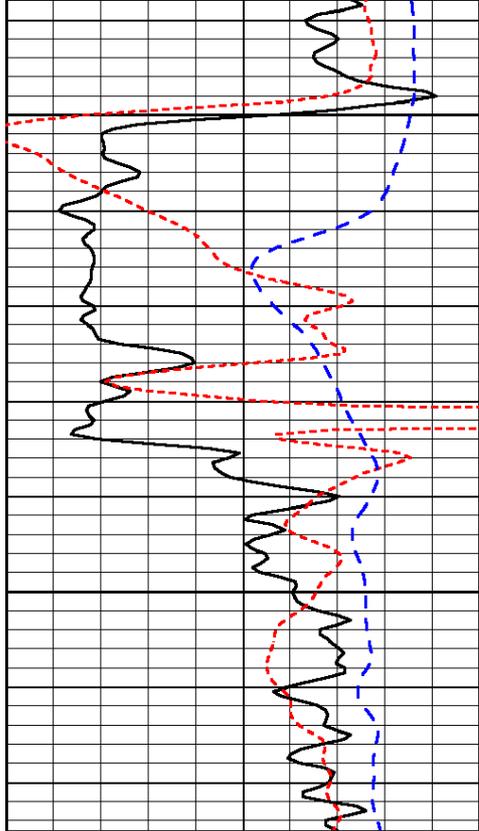


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2850





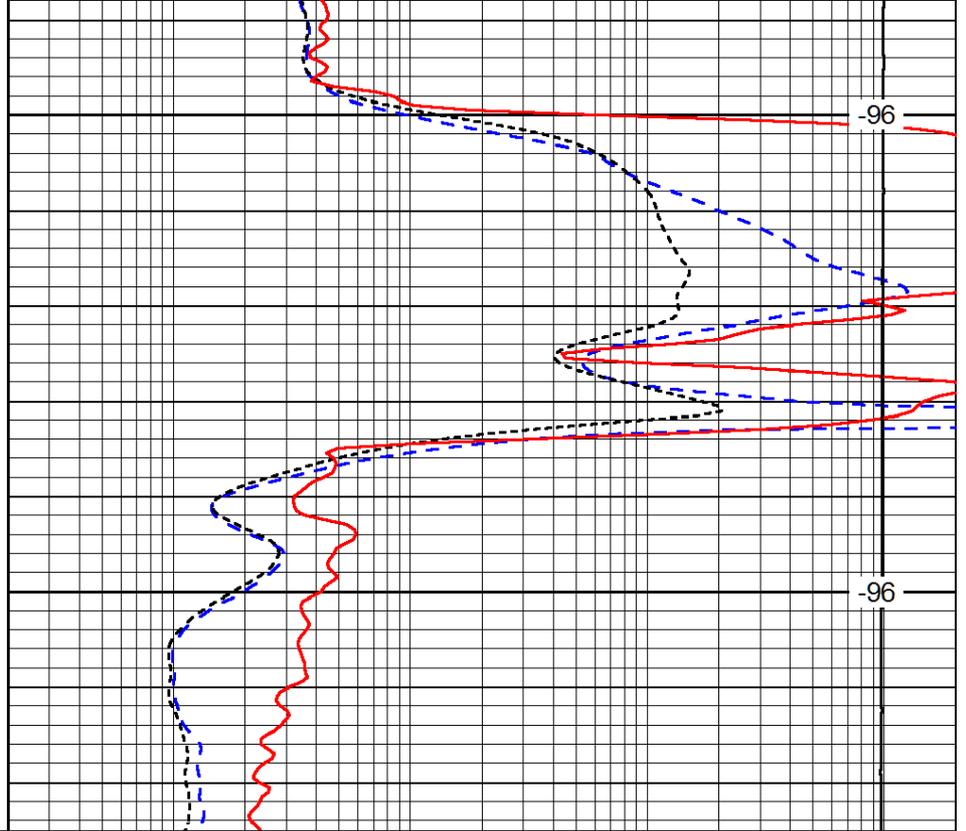




1350

1400

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



-96

-96

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

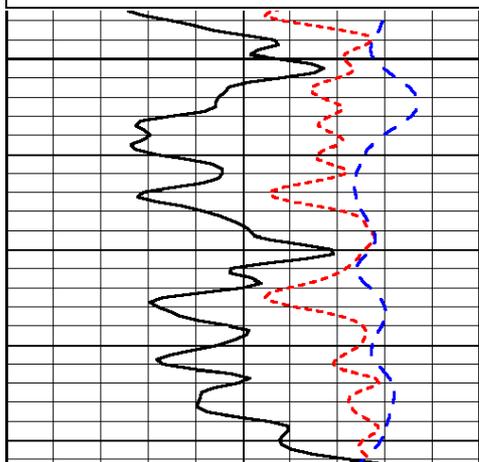
LSPD
(ft/min)

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 Presentation Format: dil
 Dataset Creation: Sat Mar 29 06:08:53 2014
 Charted by: Depth in Feet scaled 1:240

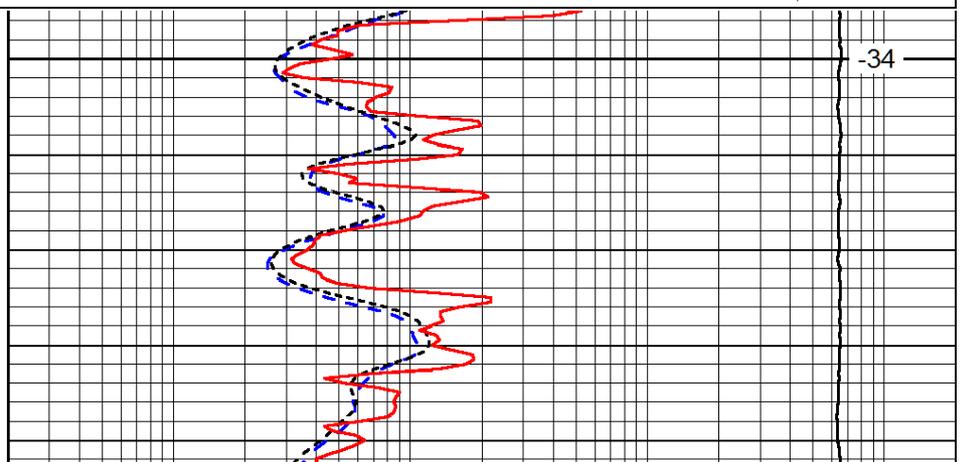
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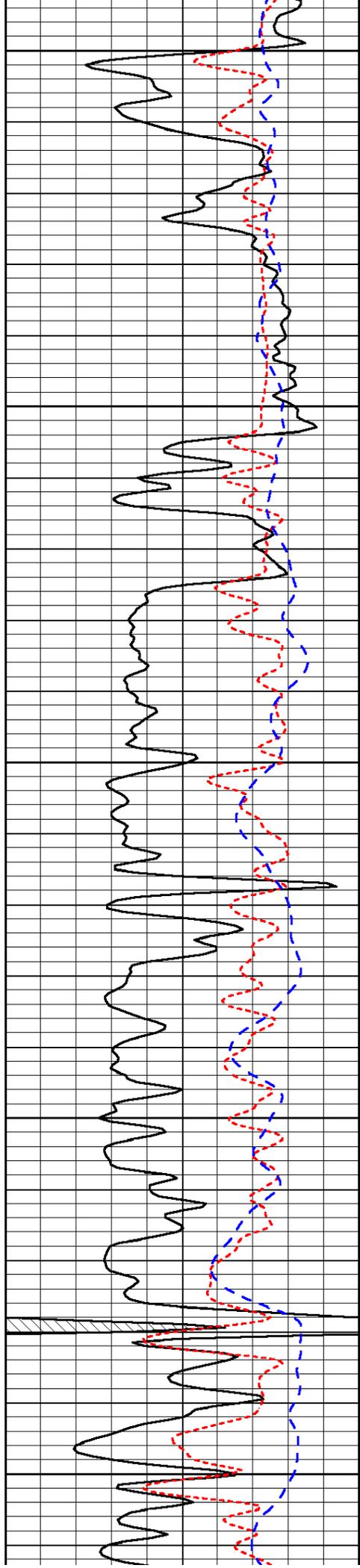
LSPD
(ft/min)



2950



-34



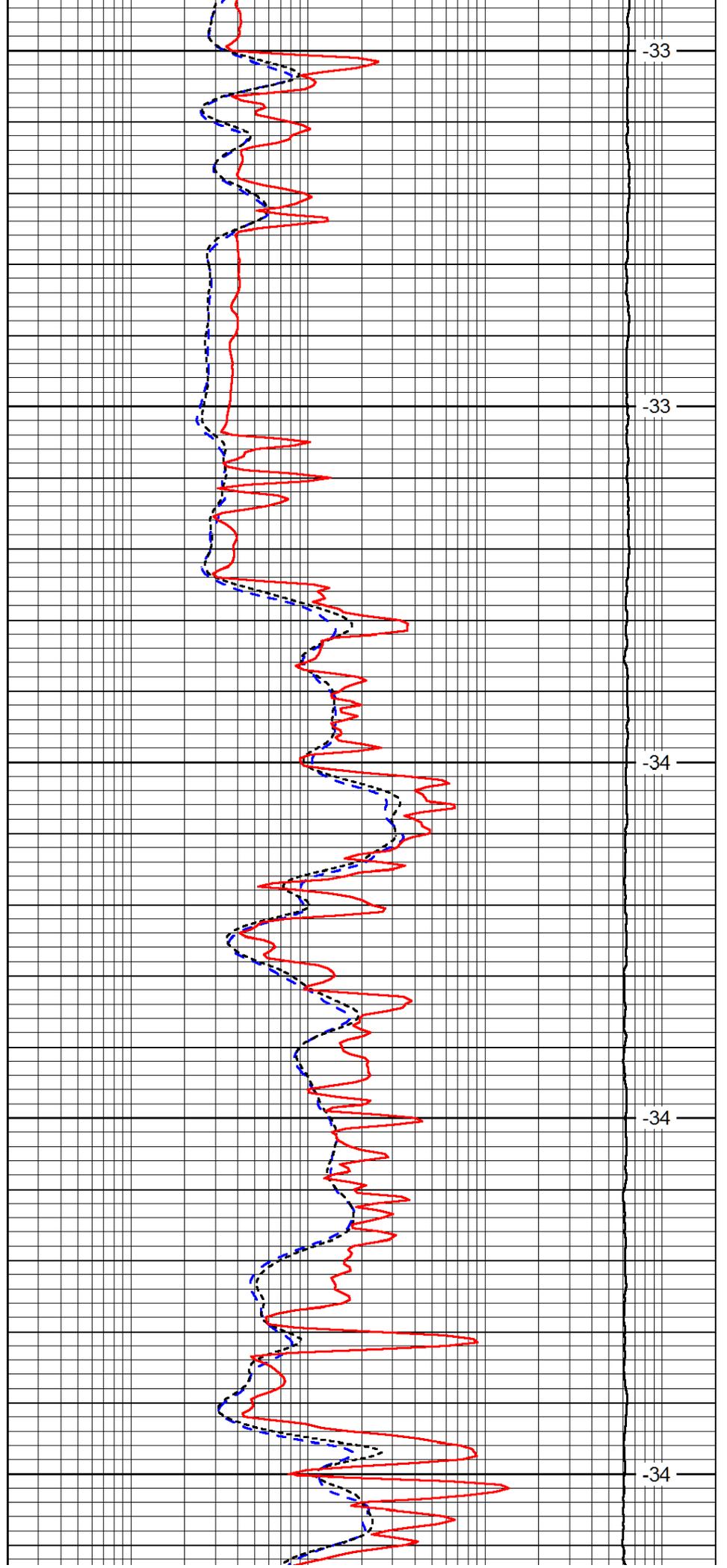
3000

3050

3100

3150

3200



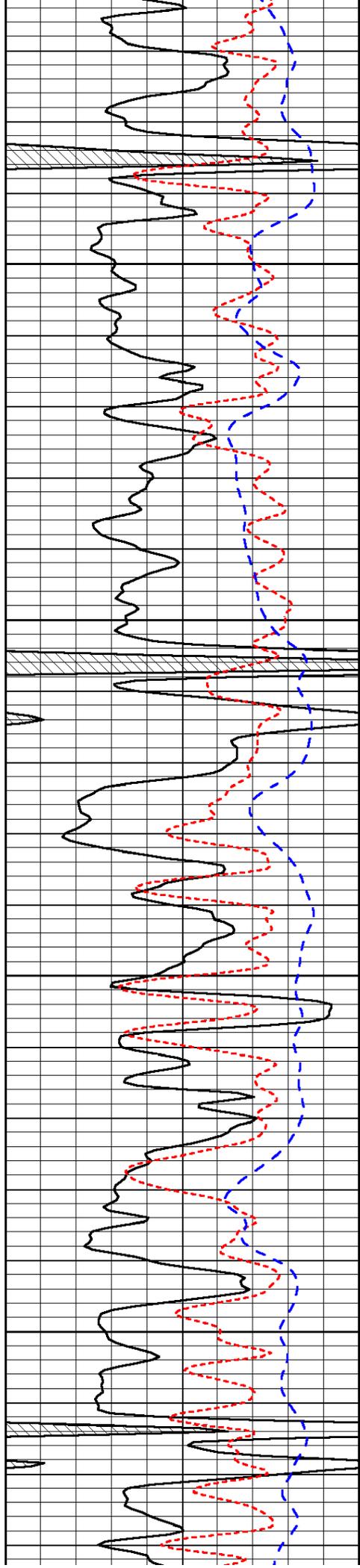
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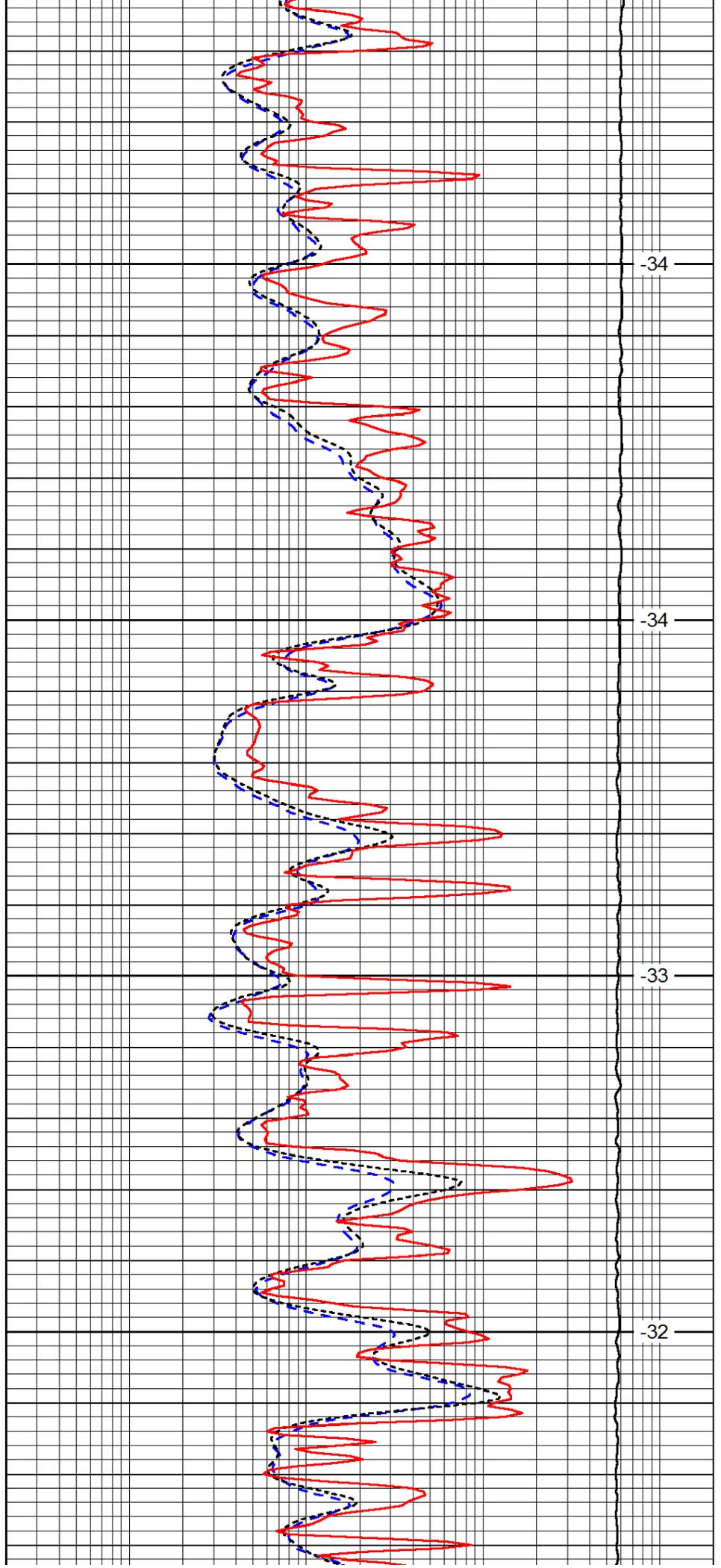


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3300

3350

3400

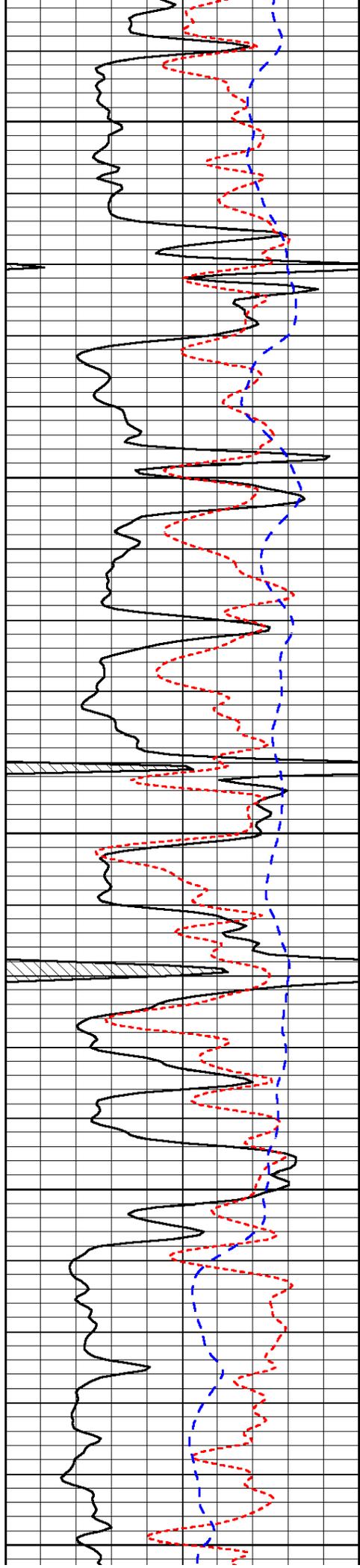


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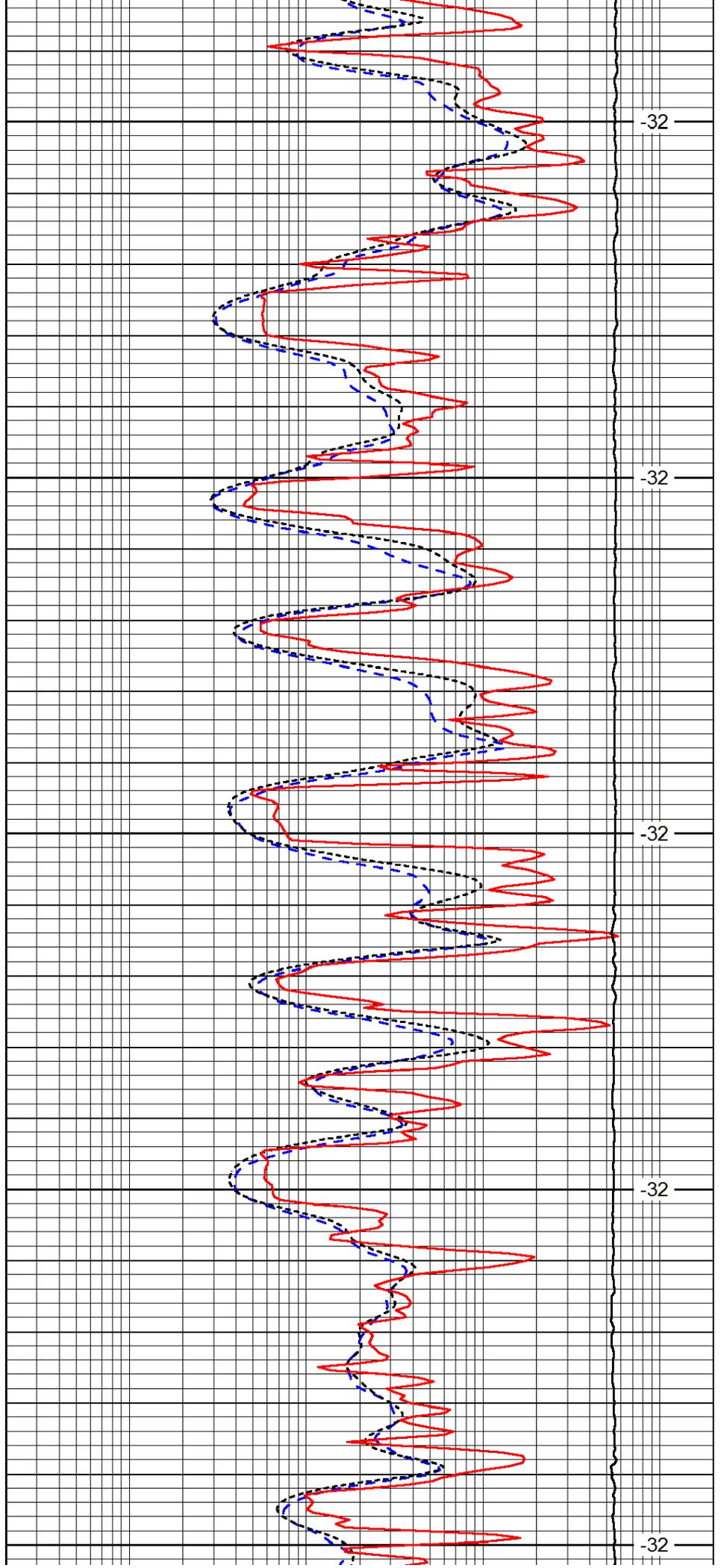
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3500

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3650



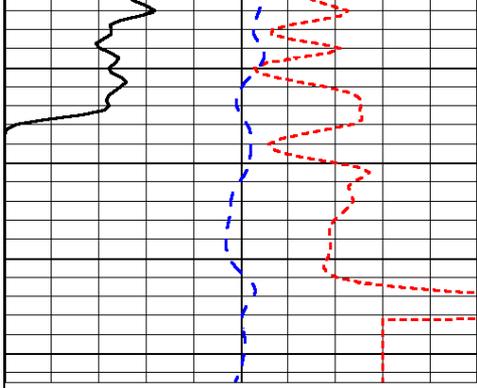
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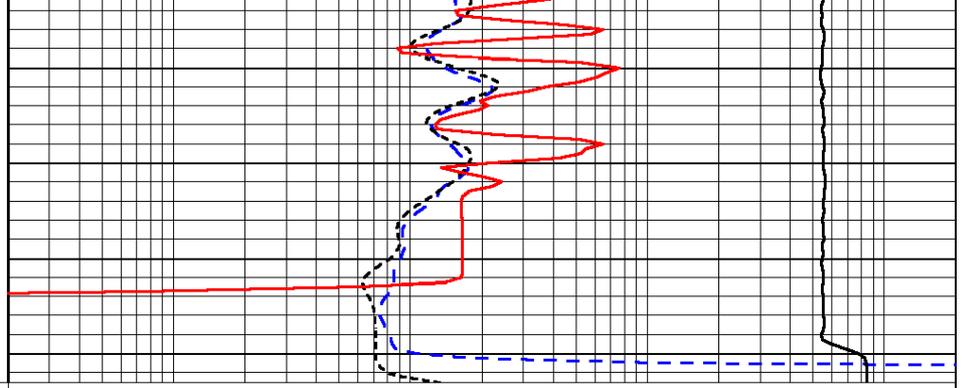
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0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)