



Pioneer Energy Services

Dual Induction Log

API No.

15-053-21288-00-00

Company LB Exploration, Inc.

Well Lucky 7 #1

Field Stollenberg

County Ellsworth State

Kansas

Location 1320' FSL & 1590' FWL

Sec: 7 Twp: 16 S Rge: 10 W

Other Services
CNL/CDL
MEL/BHCS

Permanent Datum Ground Level Elevation 1882
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 08-13-2013

Run Number One

Depth Driller 3533

Depth Logger 3533

Bottom Logged Interval 3532

Top Log Interval 645

Casing Driller 8.625 @ 730

Casing Logger 730

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4000

Density / Viscosity 9.1 56

pH / Fluid Loss 9.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp 0.90 @ 80

Rmf @ Meas. Temp 0.67 @ 80

Rmc @ Meas. Temp 1.21 @ 80

Source of Rmf / Rmc Charts

Rm @ BHT 0.64 @ 113

Operating Rig Time 4 Hours

Max Rec. Temp. F 113

Equipment Number 91

Location Hays

Recorded By Y. Ruiz

Witnessed By Steven Peterman

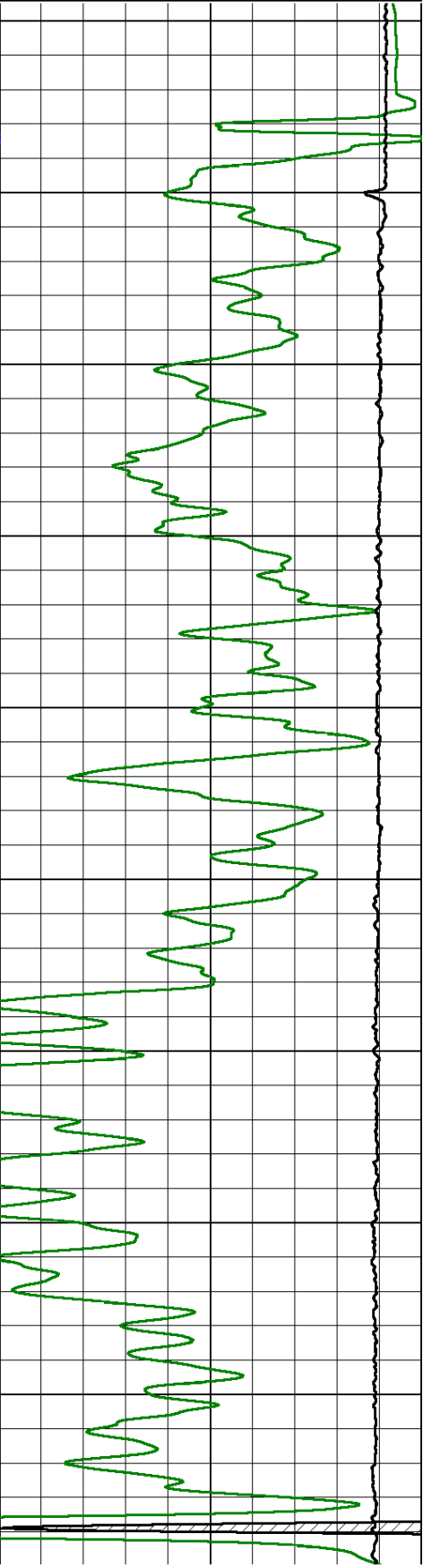
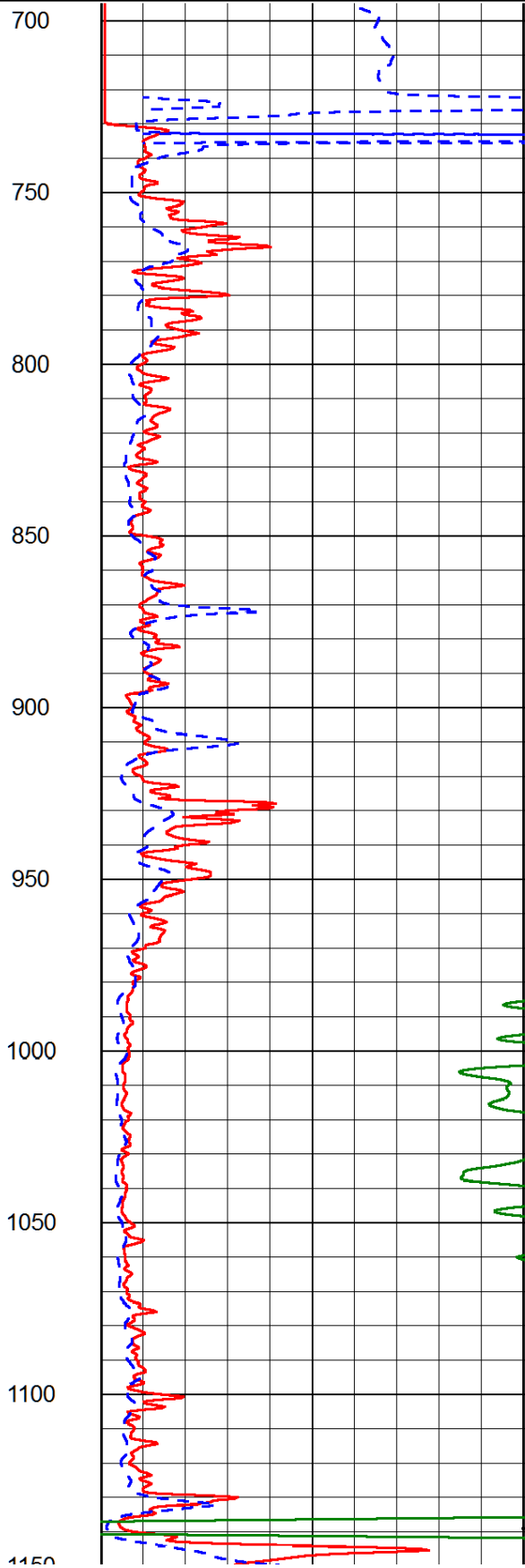
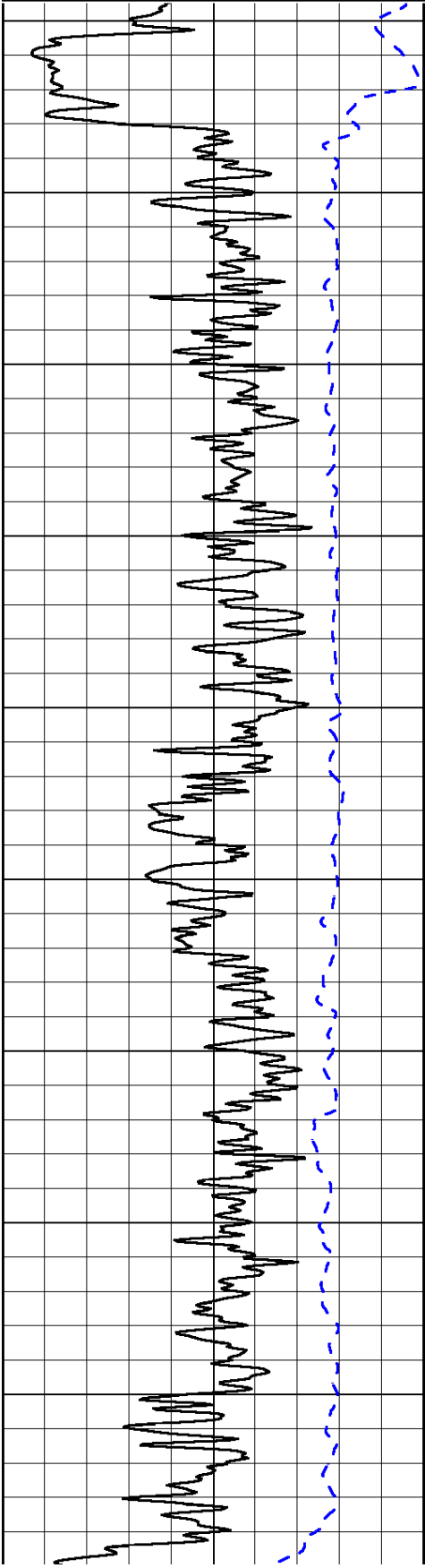
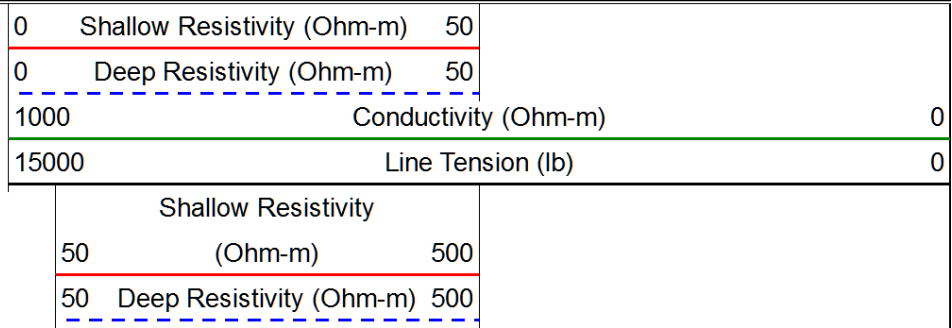
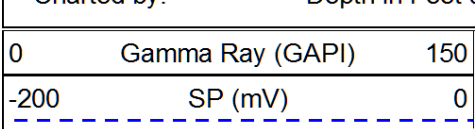
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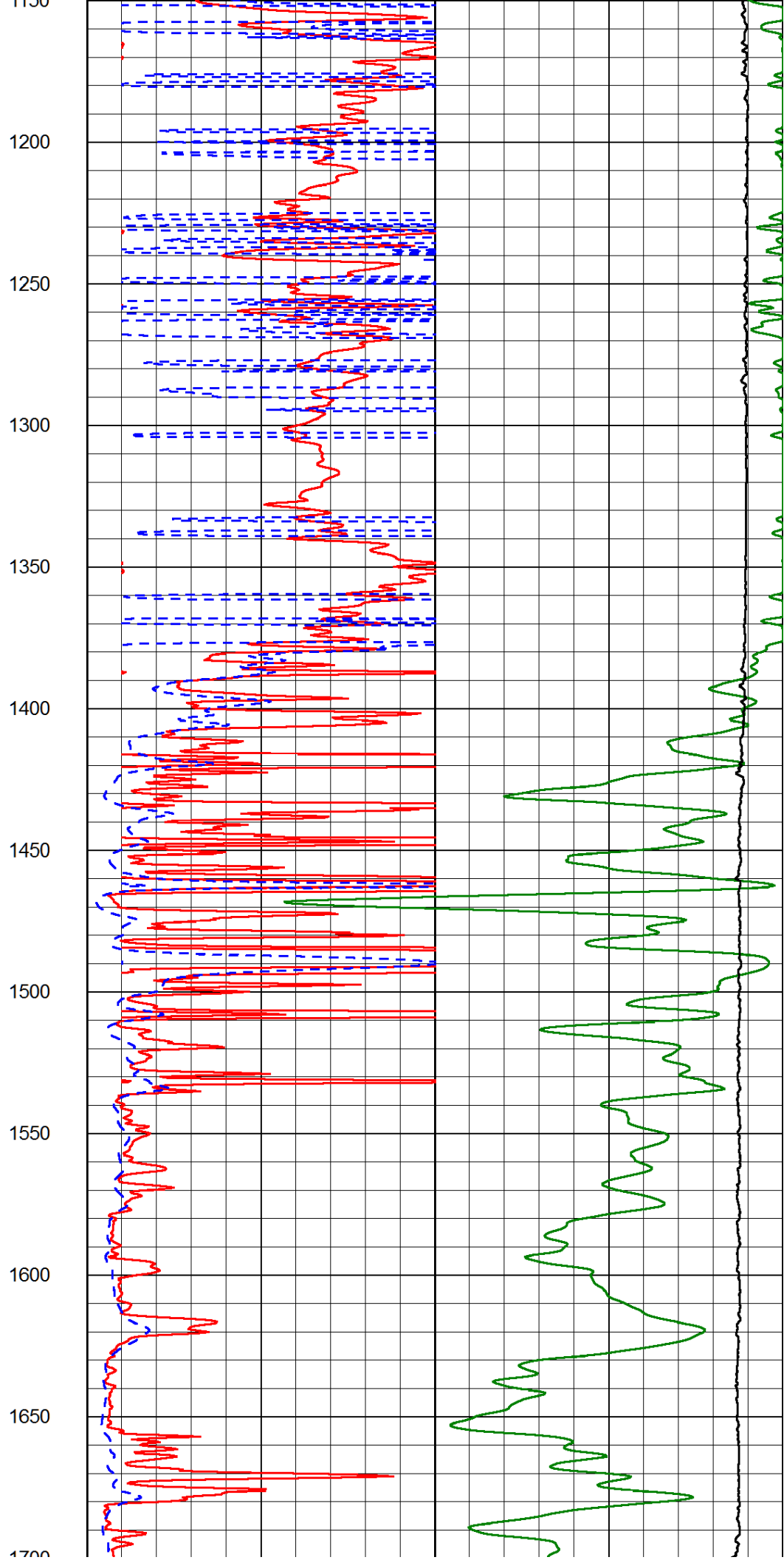
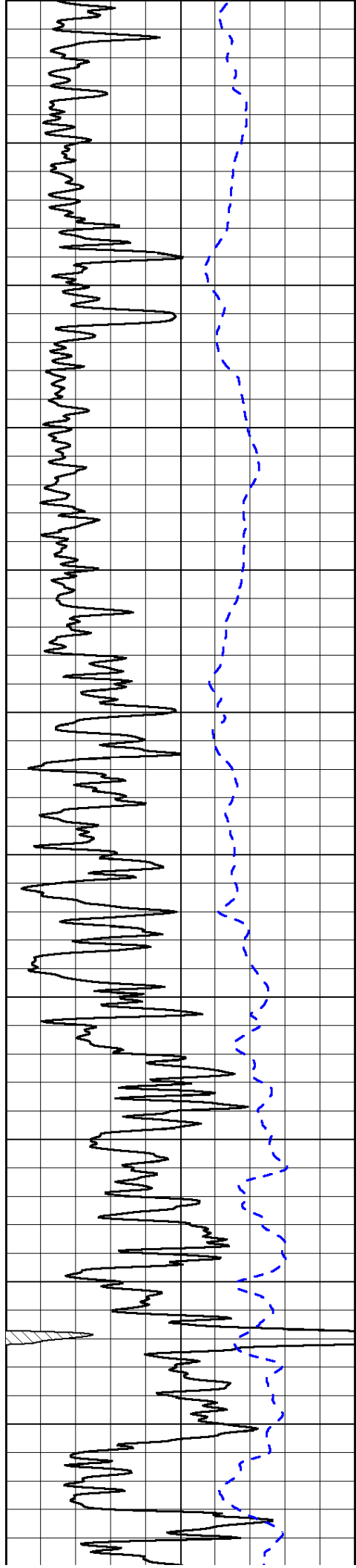
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

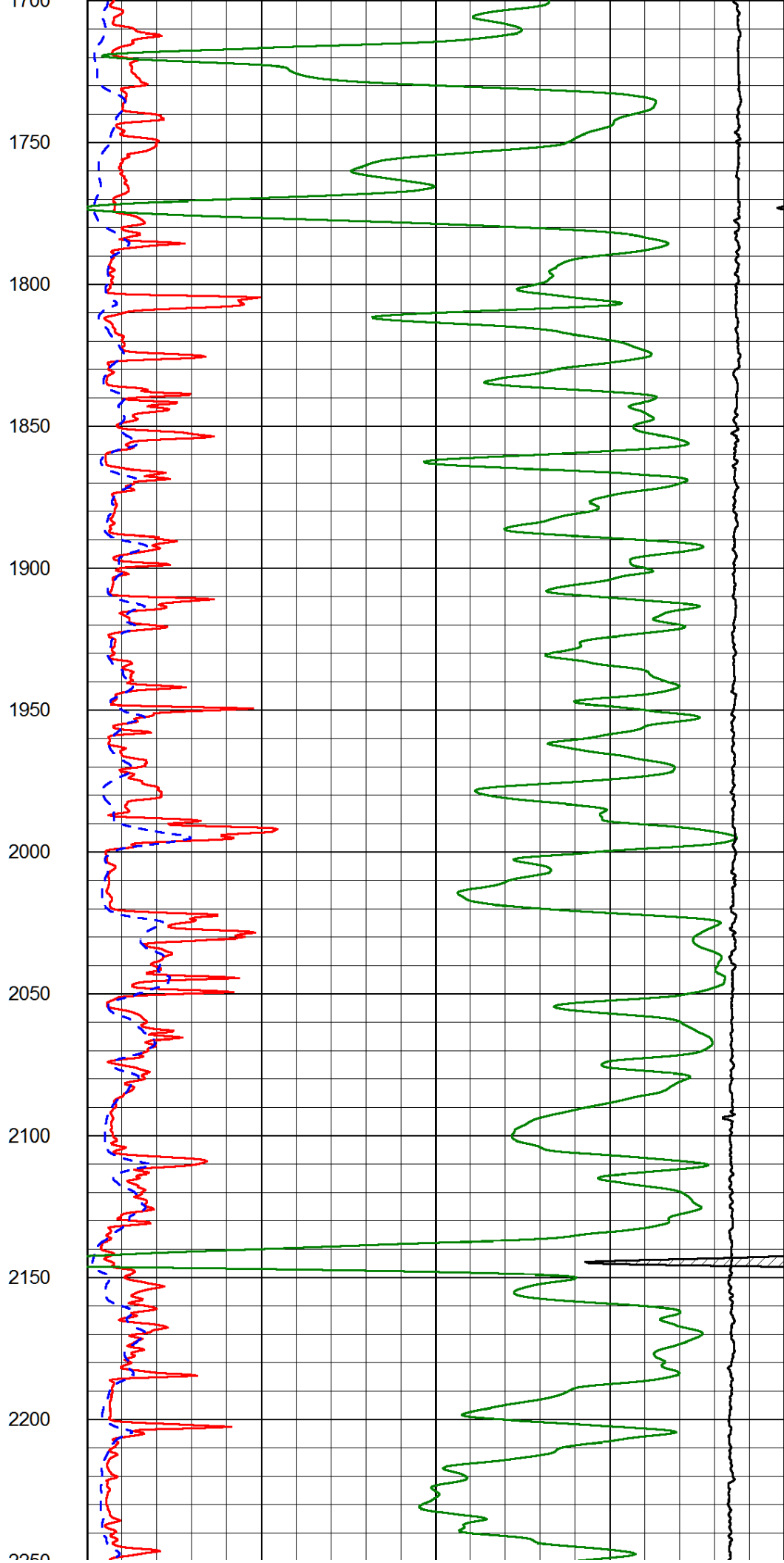
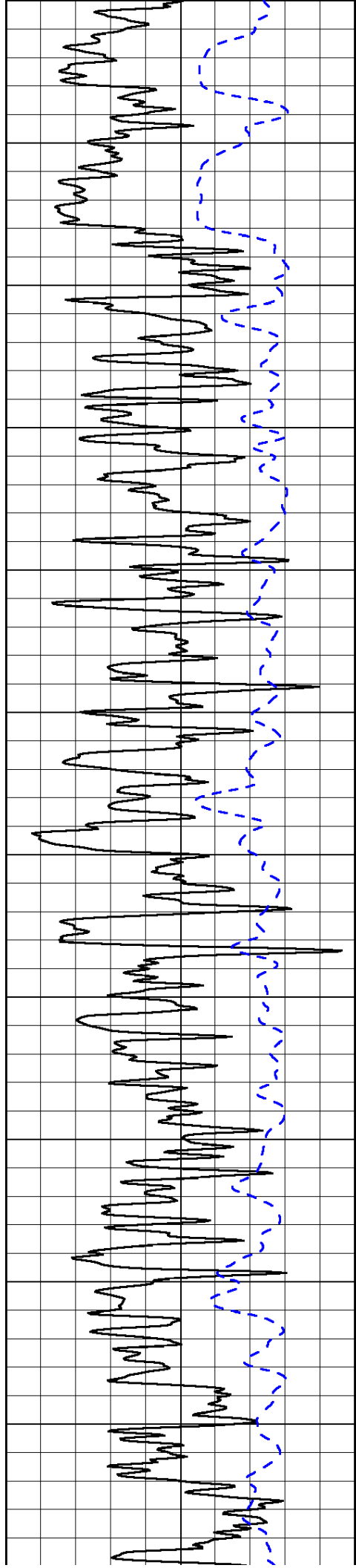
Comments

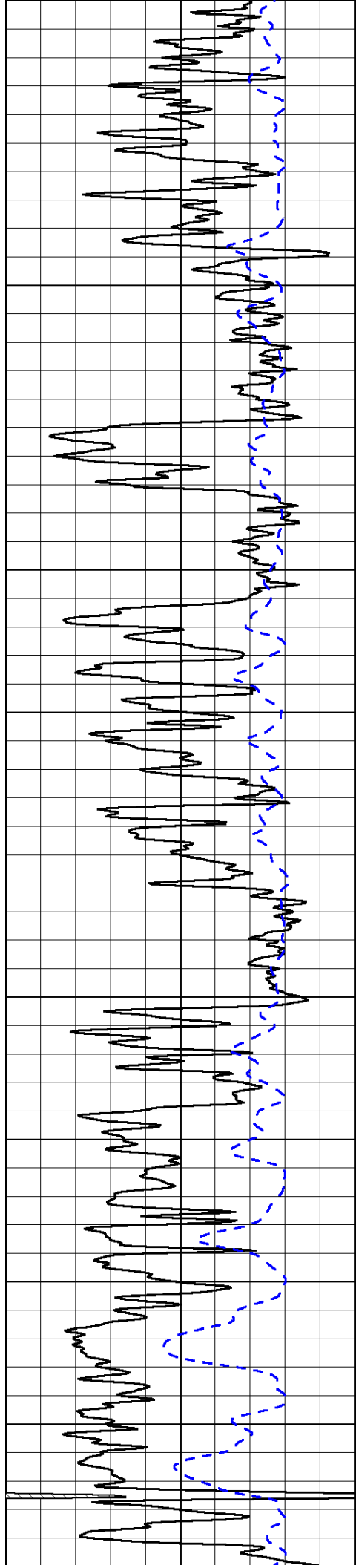
Thank you for using Log-Tech, Inc.
(785) 625-3858

Wilson,
10 3/4 South,
East into

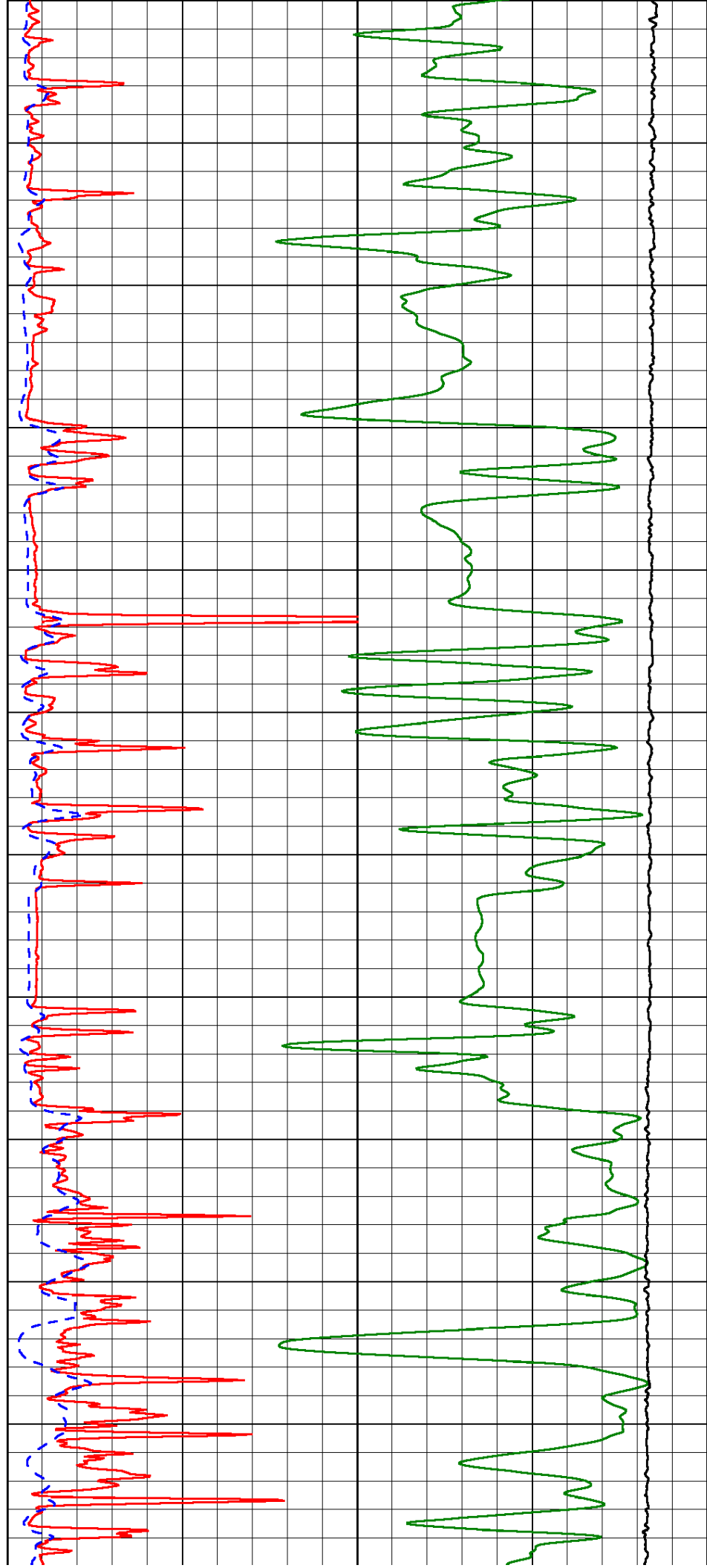


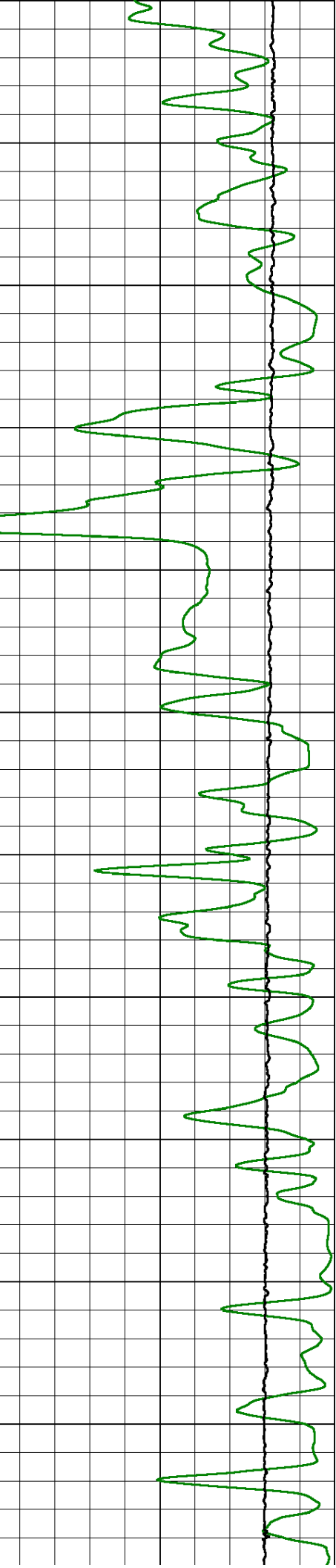
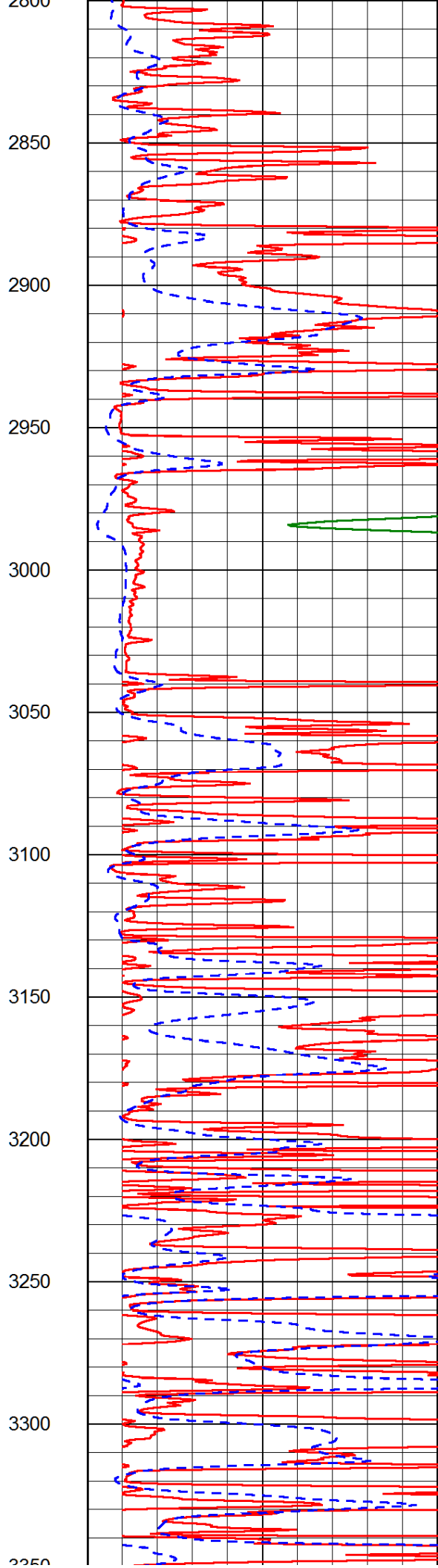
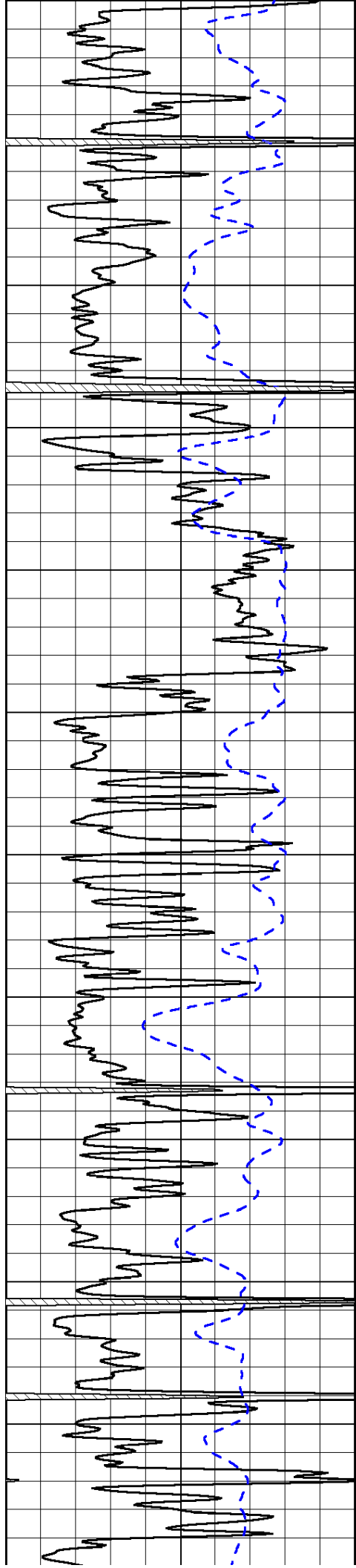


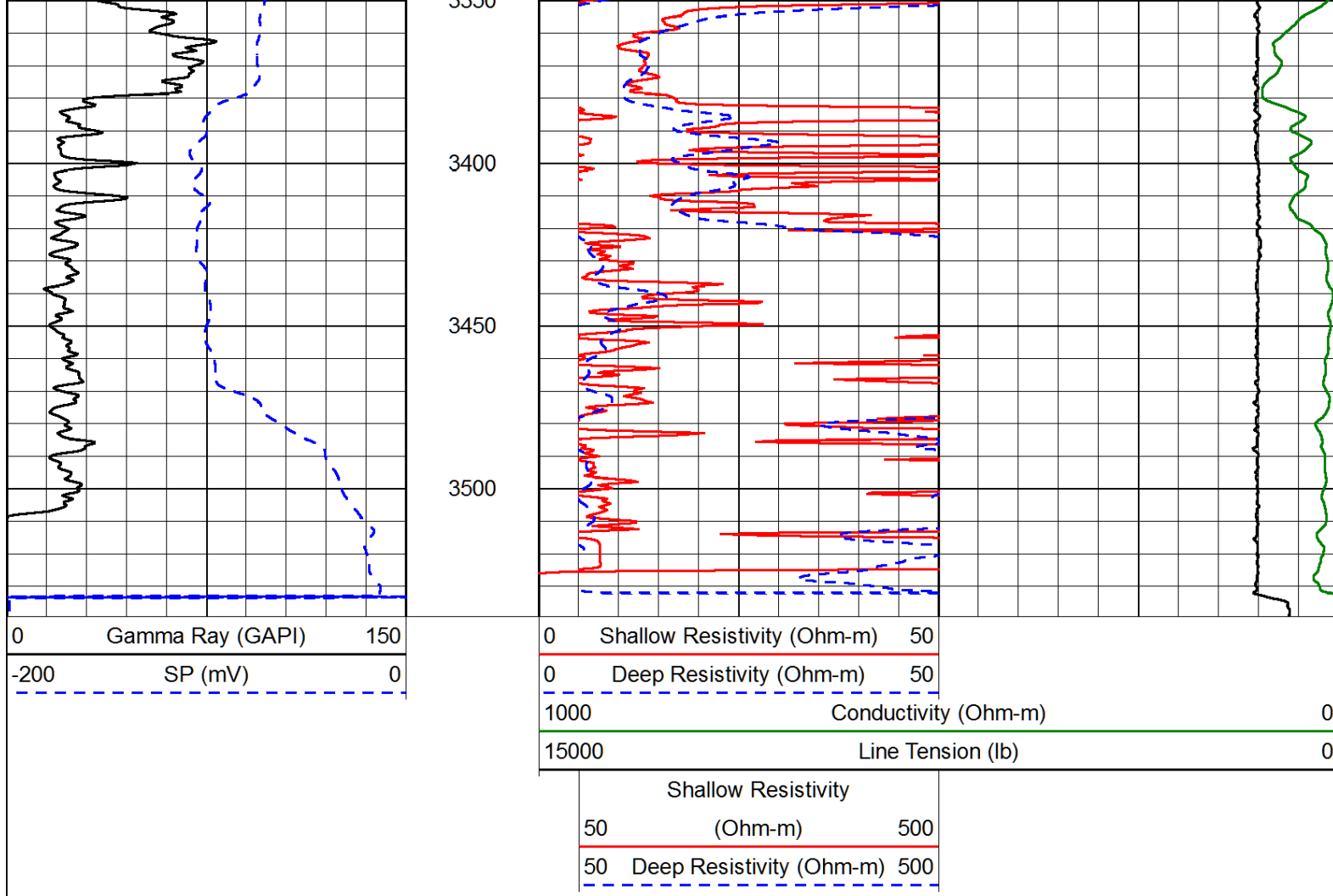




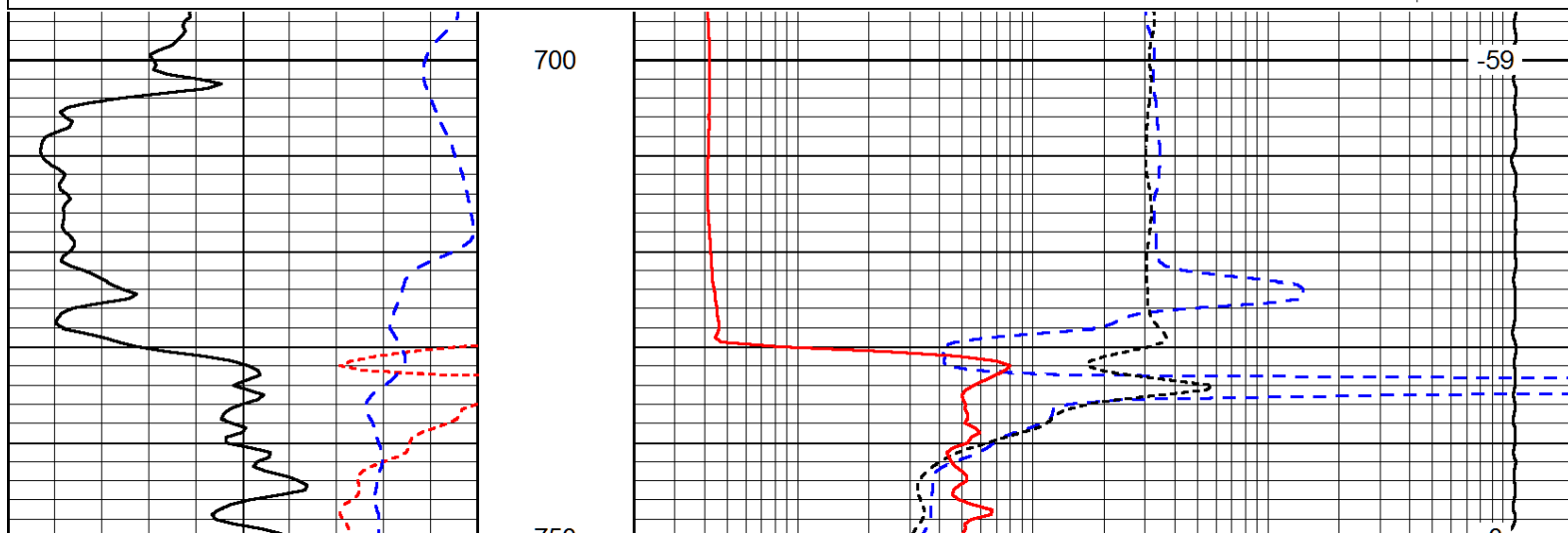
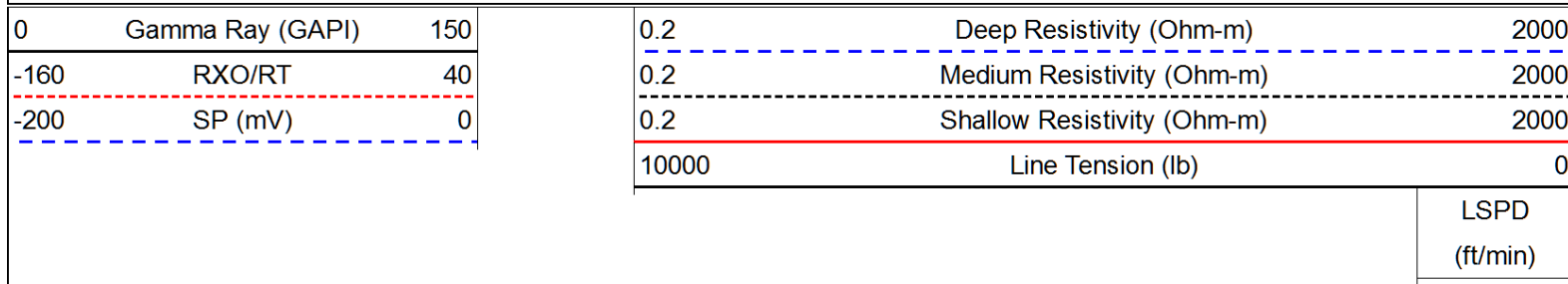
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2300
2350
2400
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2500
2550
2600
2650
2700
2750
2800

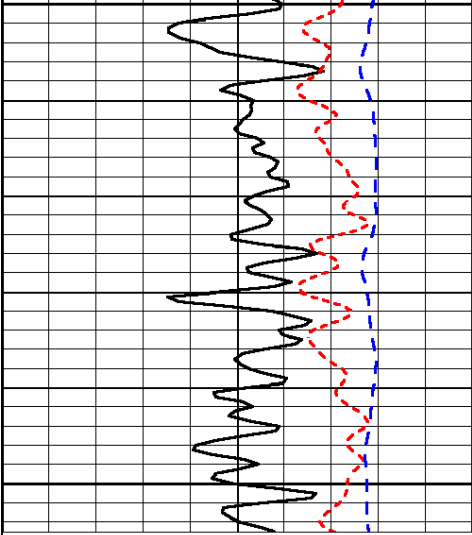






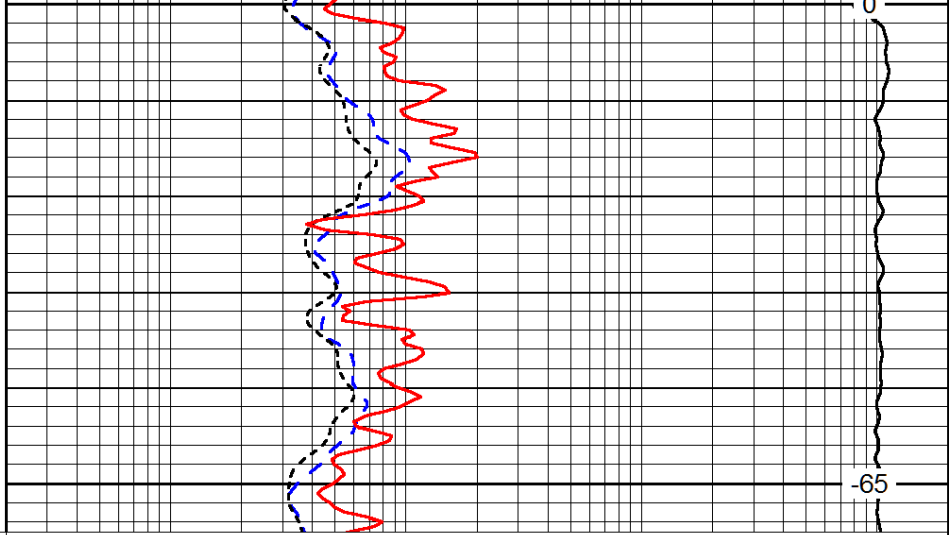
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 Presentation Format: dil
 Dataset Creation: Tue Aug 13 14:16:49 2013
 Charted by: Depth in Feet scaled 1:240





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

750
800



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

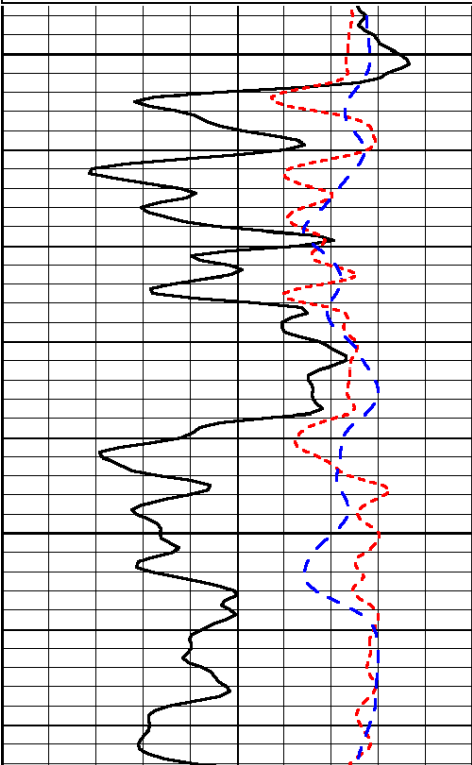
LSPD
(ft/min)

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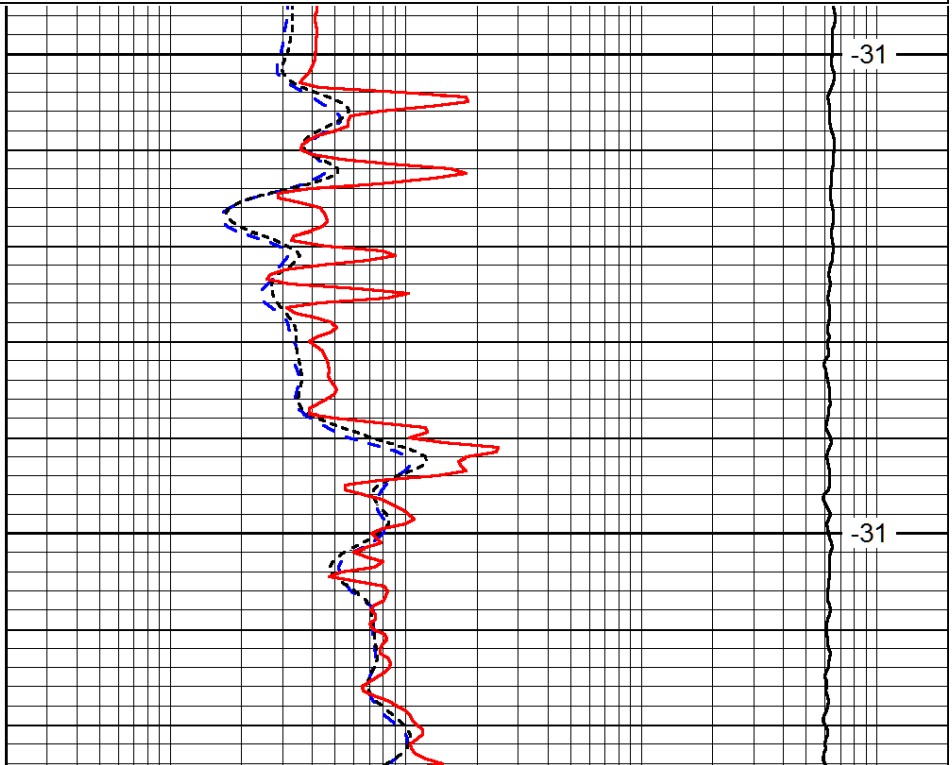
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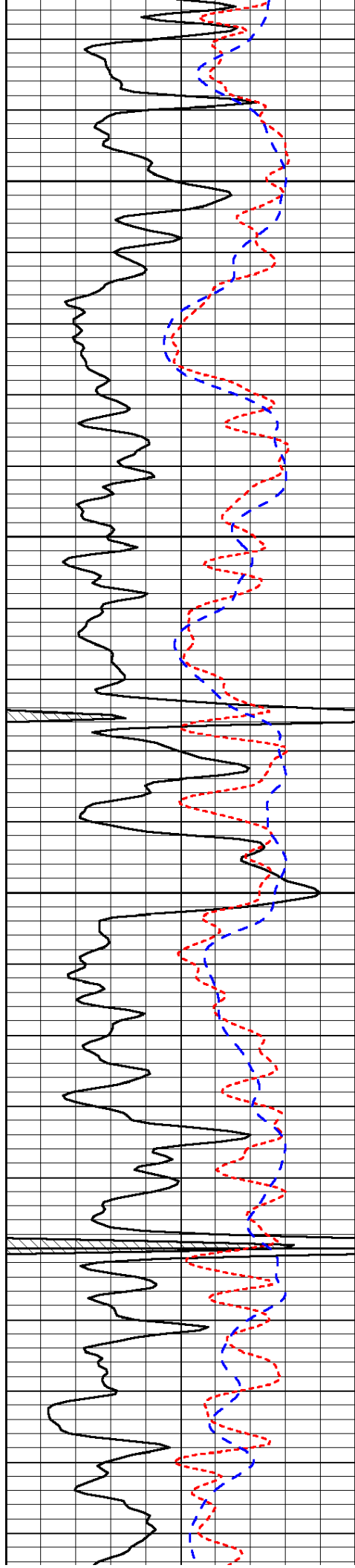
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10000	Line Tension (lb)	0

LSPD
(ft/min)



2600
2650



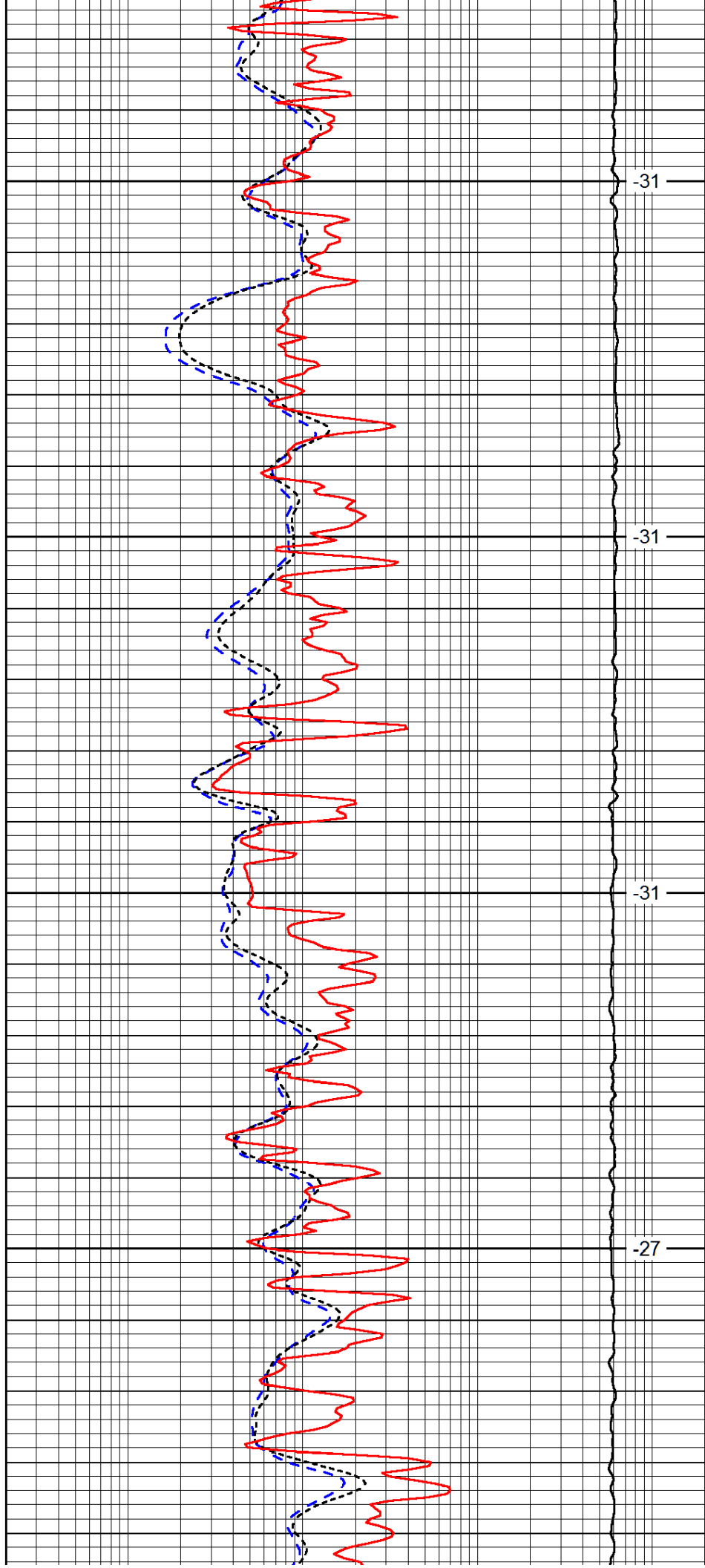


2700

2750

2800

2850

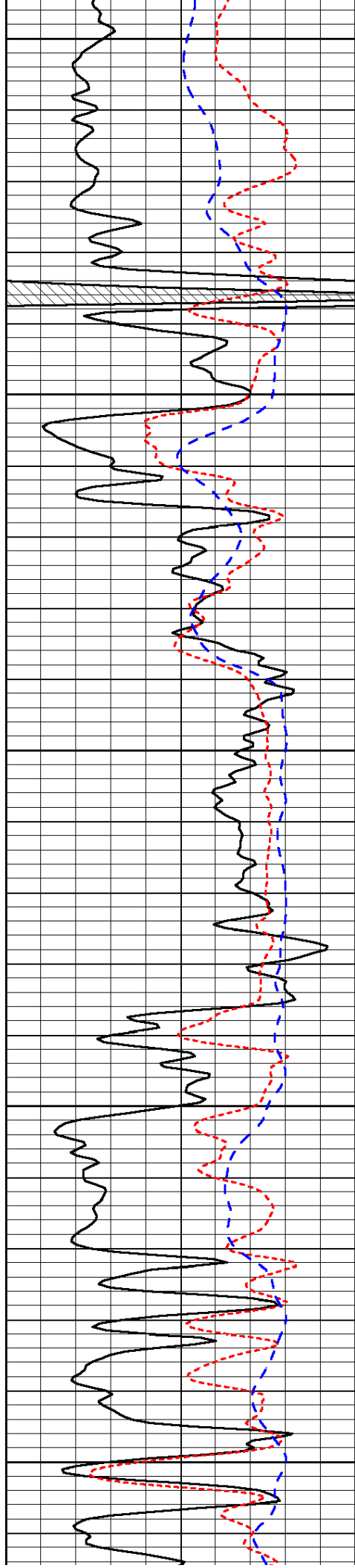


-31

-31

-31

-27



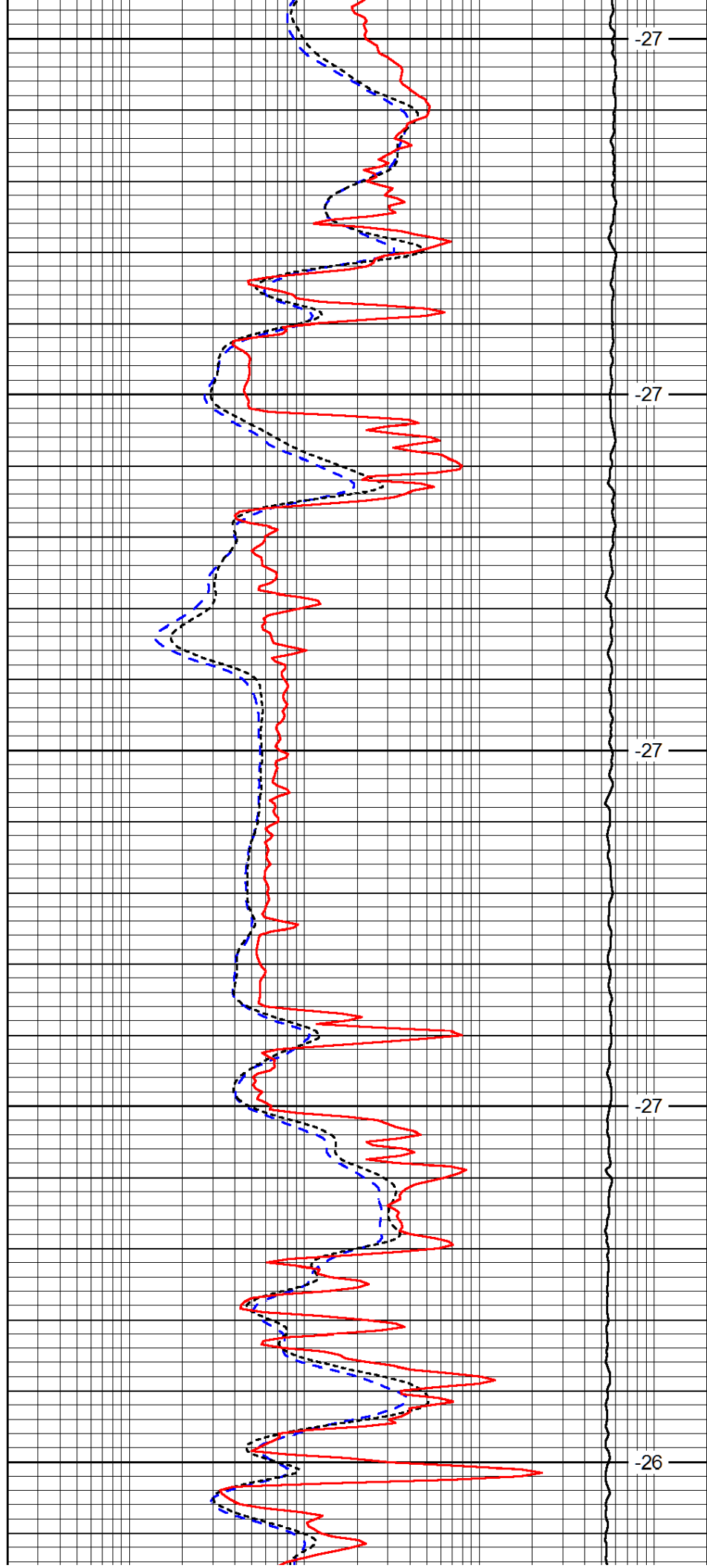
2900

2950

3000

3050

3100



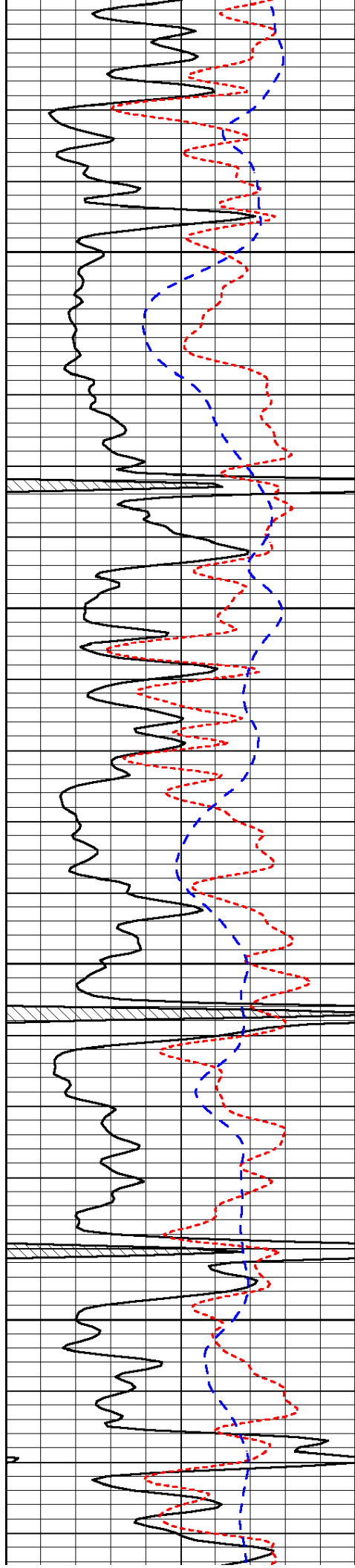
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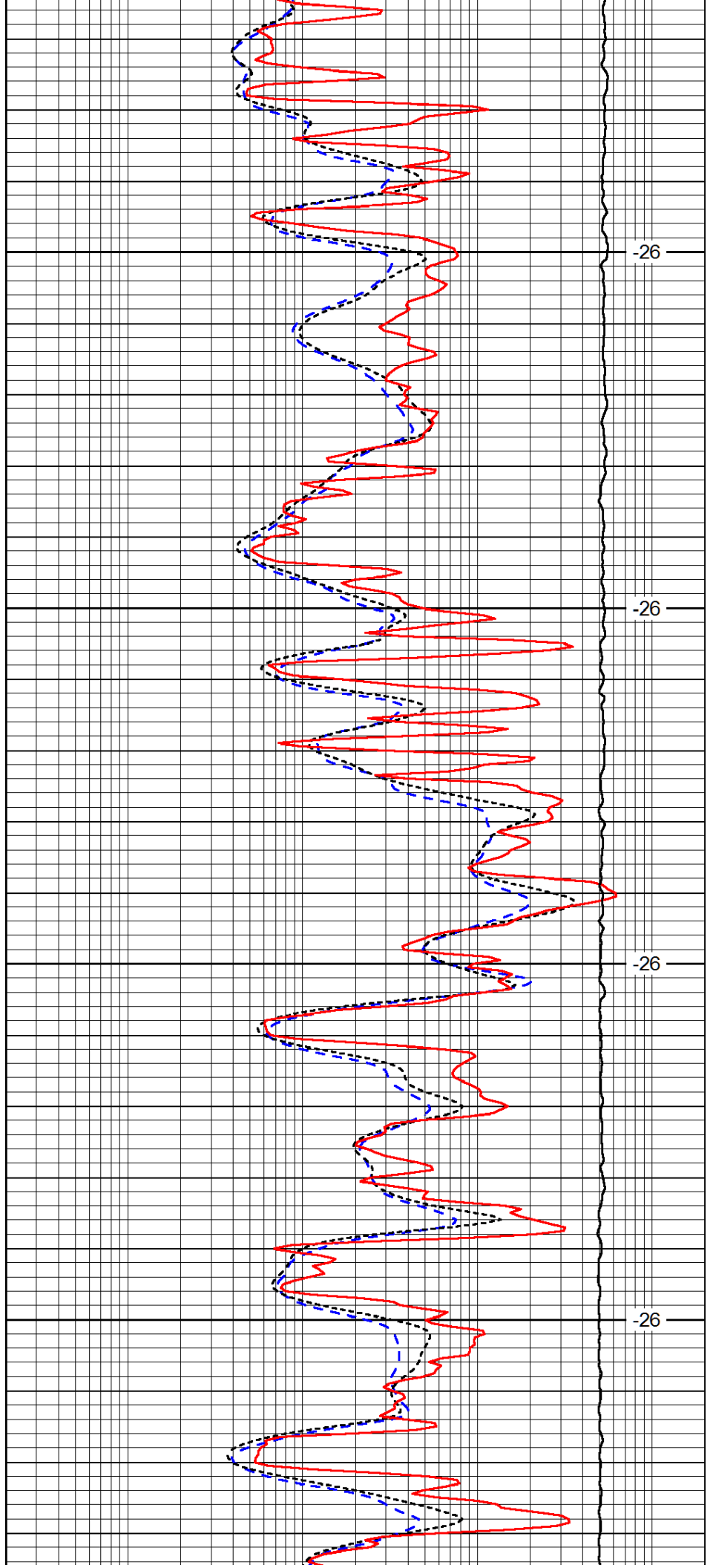


3150

3200

3250

3300

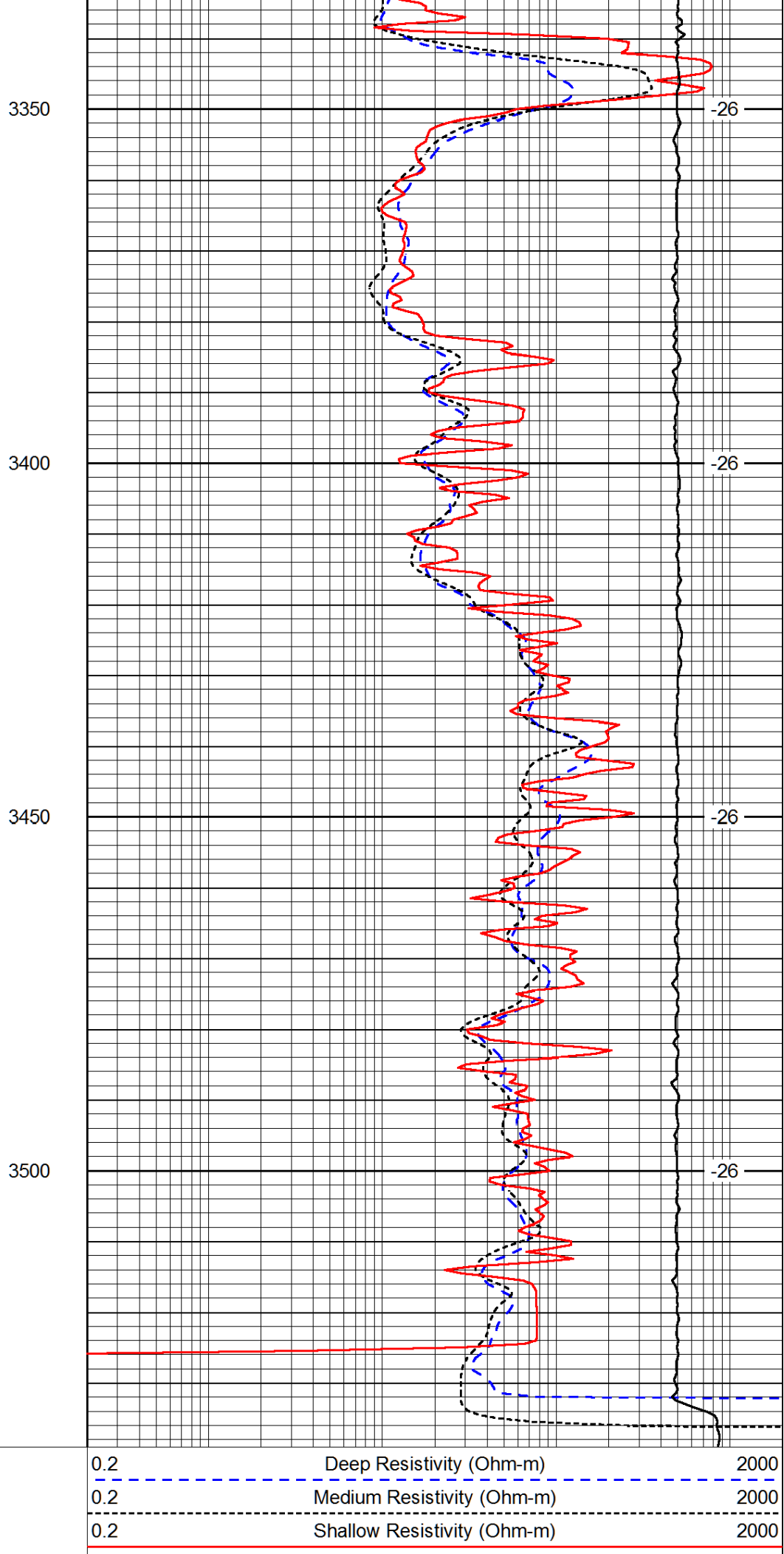
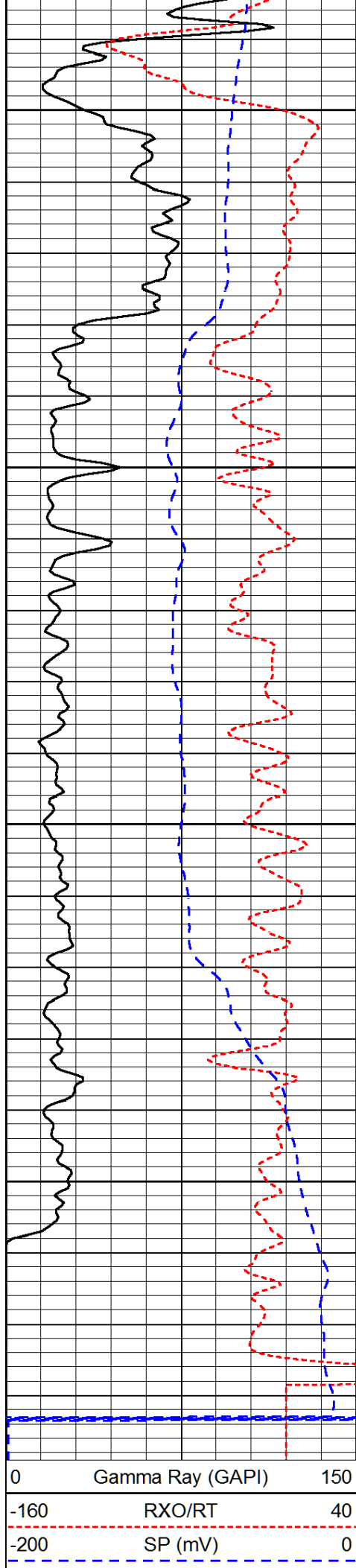


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-26



	10000	Line Tension (lb)	0
			LSPD (ft/min)