



Pioneer Energy Services

Dual Induction Log

API No.

15-159-22770-00-00

Company Mike Kelso Oil, Inc.

Well Volkland A #7

Field Orth

County Rice

State

Kansas

Location

NW/ SW/ SE SW
2079' FNL & 1342' FWL

Other Services
CNL/CDL
MEL

Sec: 27

Twp: 18S

Rge: 10W

Elevation

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation 1745
7 Ft. Above Perm. Datum

K.B. 1752
D.F. 1745
G.L. 1745

Date

4/8/2014

Run Number

One

Depth Driller

3188

Depth Logger

3188

Bottom Logged Interval

3187

Top Log Interval

400

Casing Driller

13.375 @ 436

Casing Logger

436

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5000

Density / Viscosity

9.0 58

pH / Fluid Loss

9.5 6.4

Source of Sample

Flowline

Rm @ Meas. Temp

0.65 @ 52

Rmf @ Meas. Temp

0.49 @ 52

Rmc @ Meas. Temp

0.88 @ 52

Source of Rmf / Rmc

Charts

Rm @ BHT

0.31 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Steve Reed

<<< Fold Here >>>

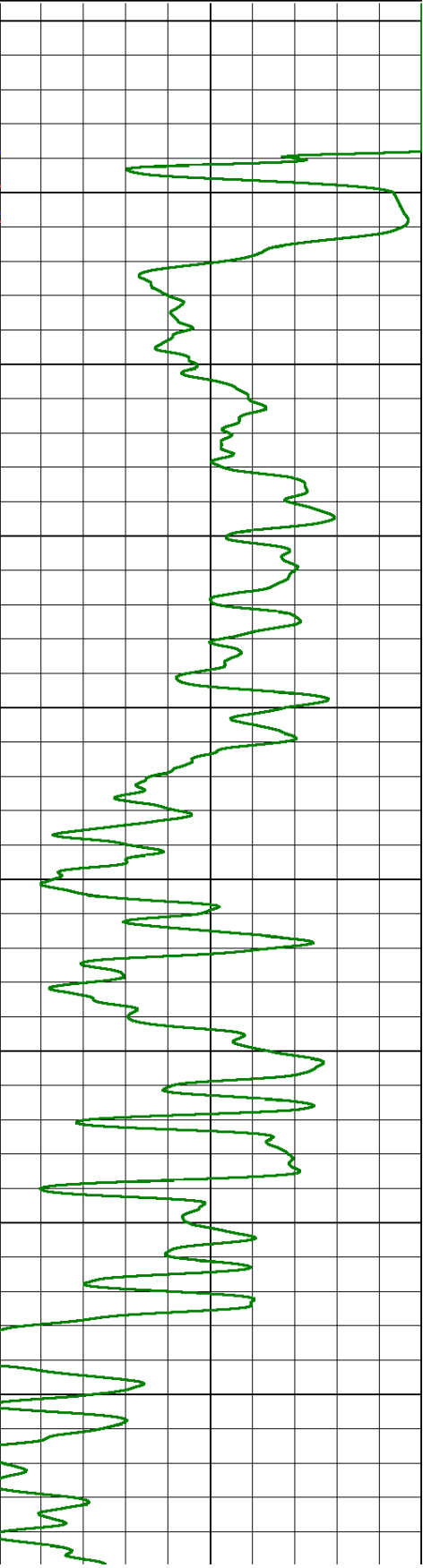
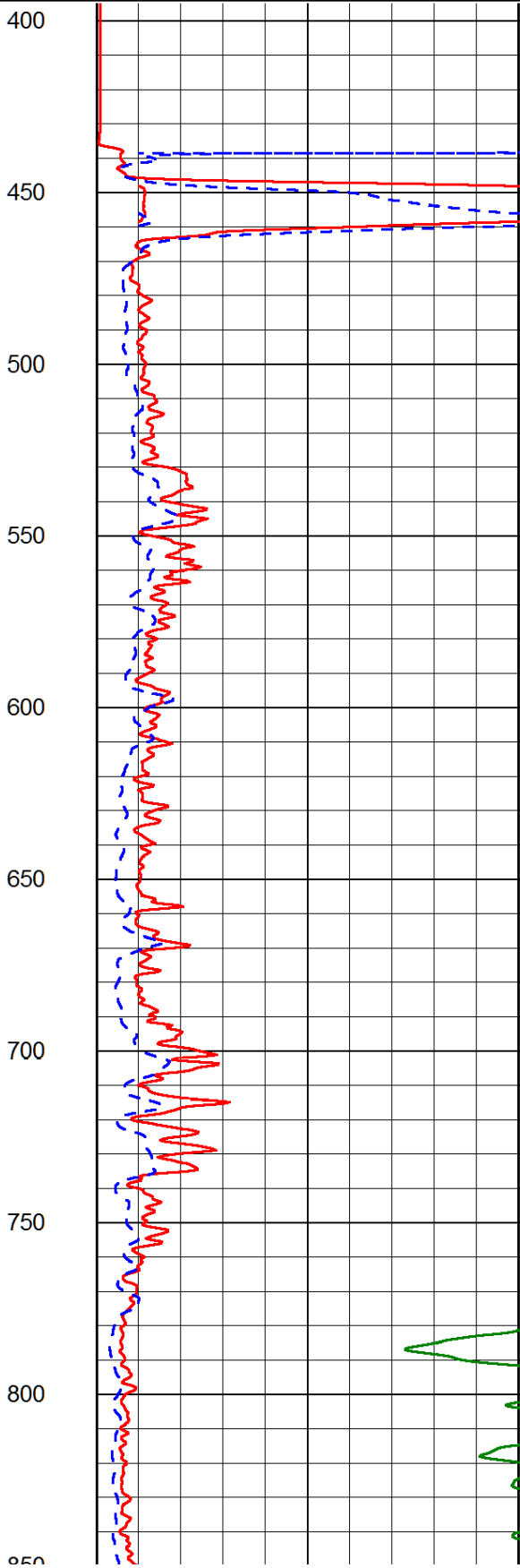
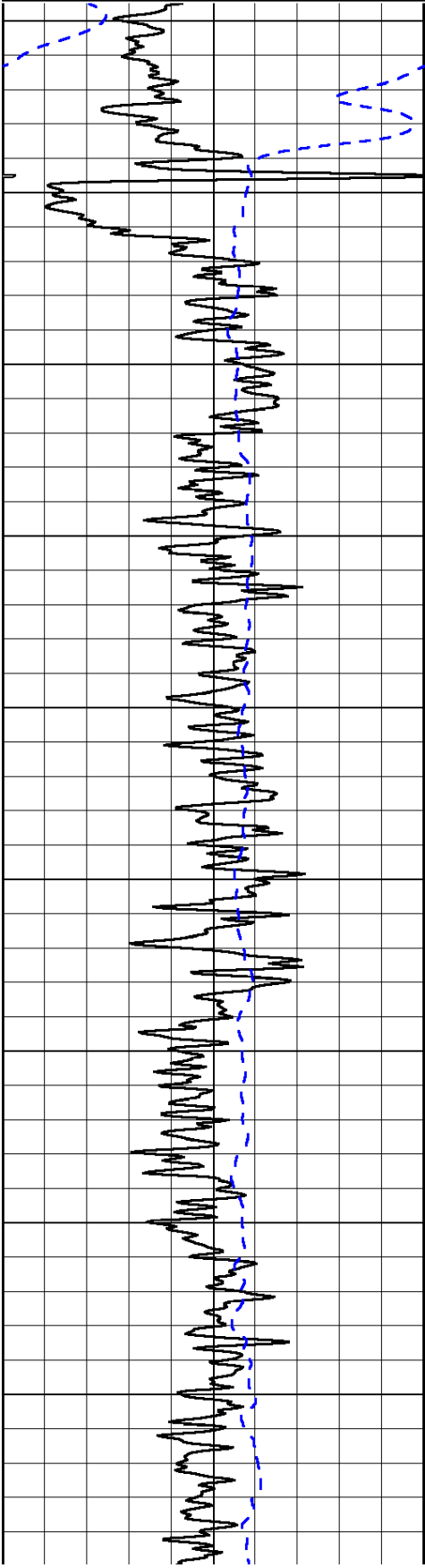
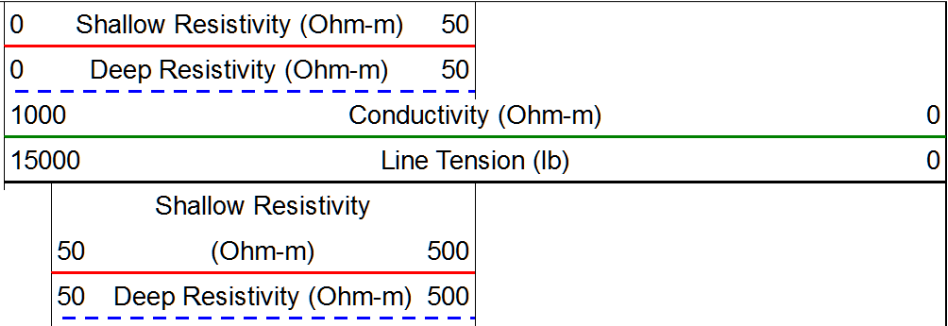
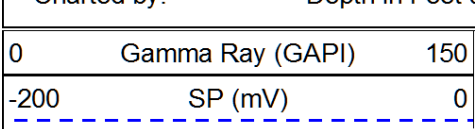
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

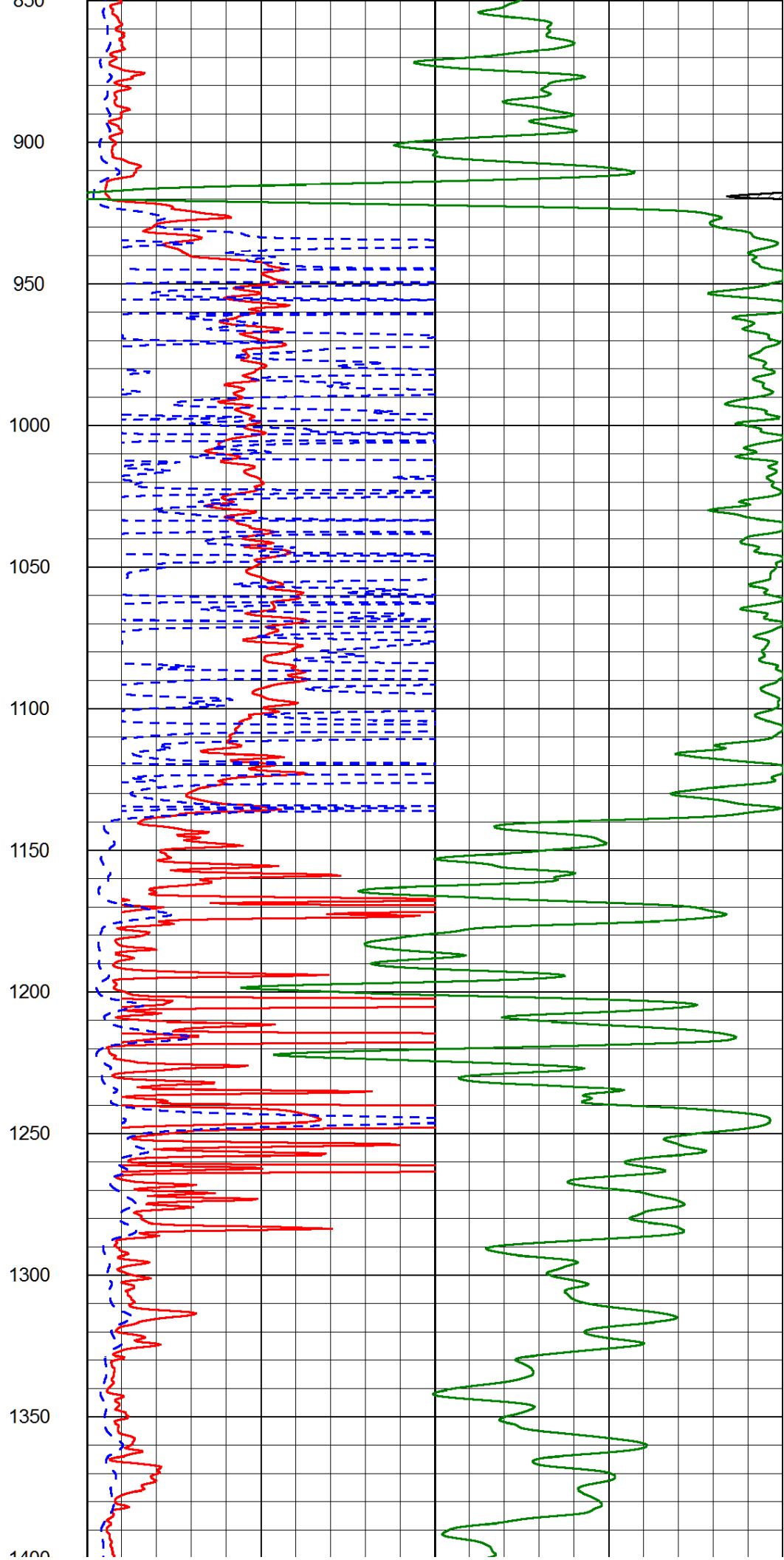
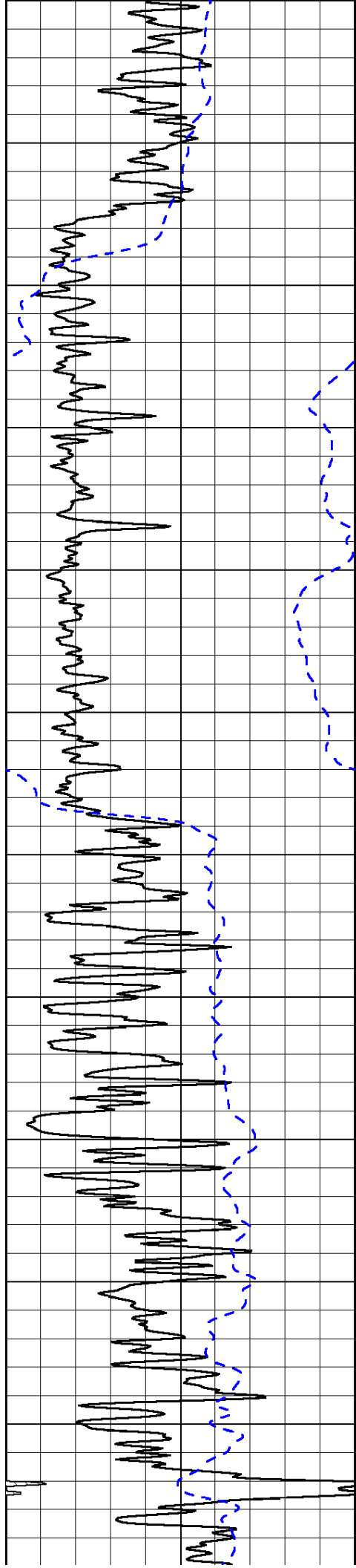
Comments

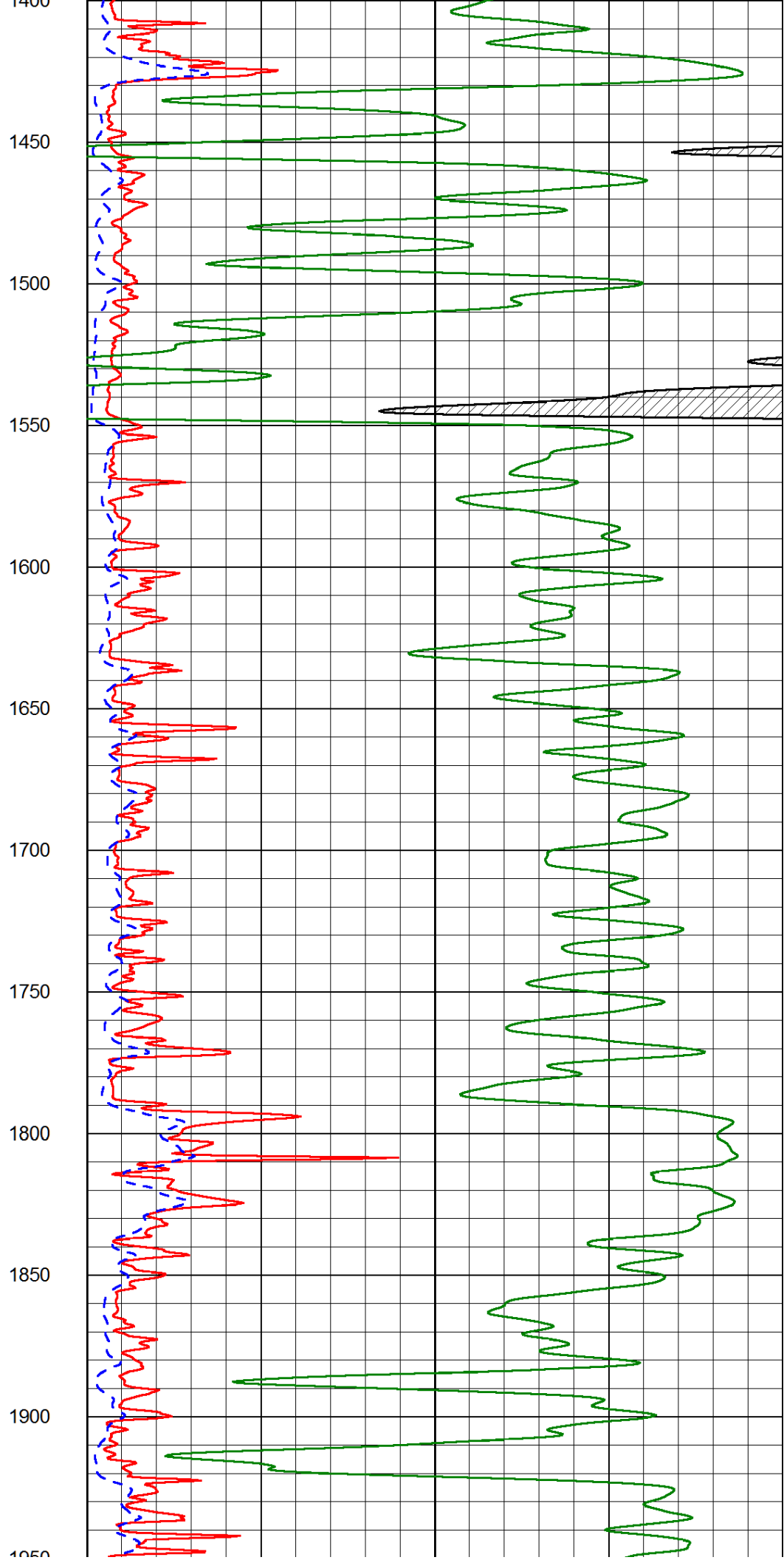
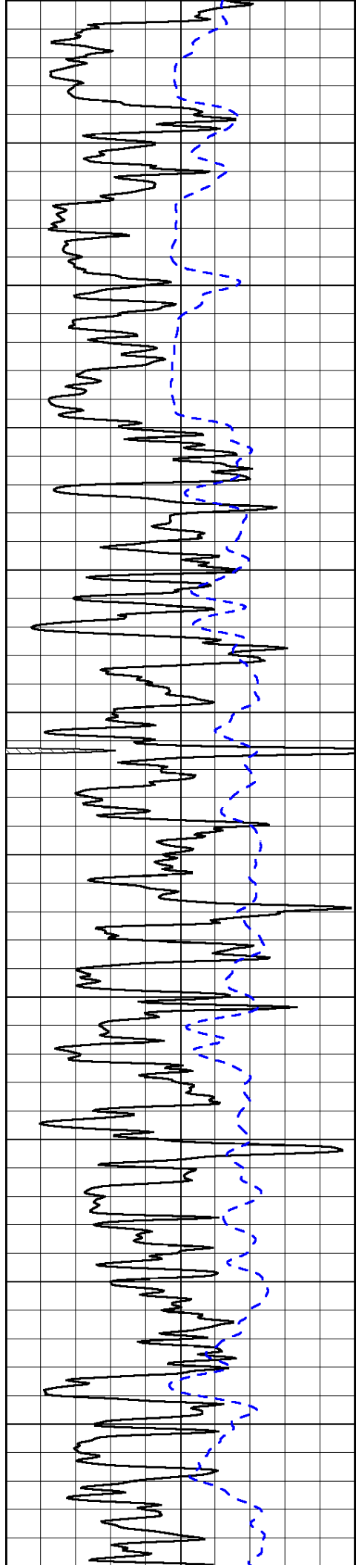
Thank you for using Log-Tech, Inc.
(785) 625-3858

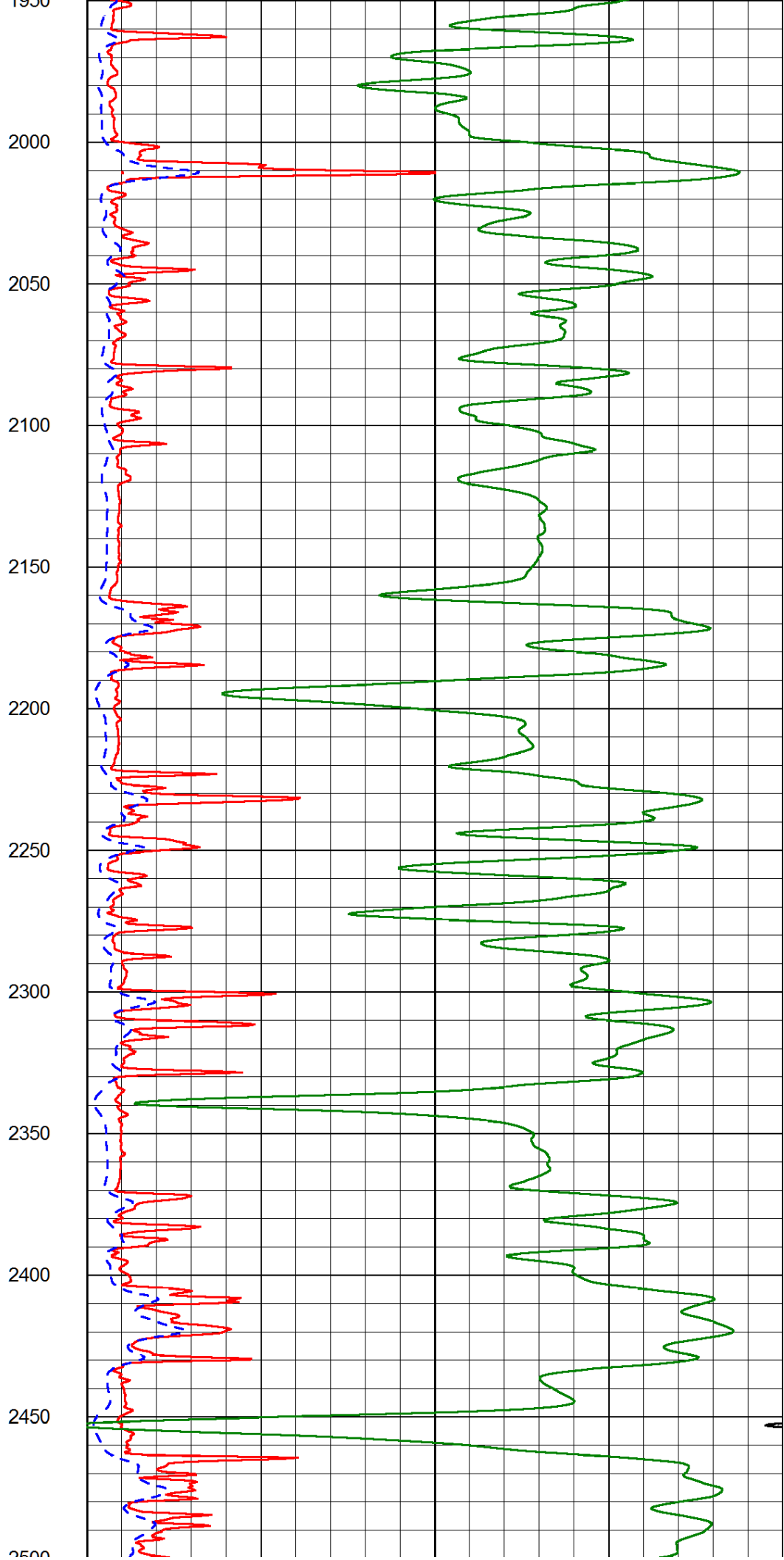
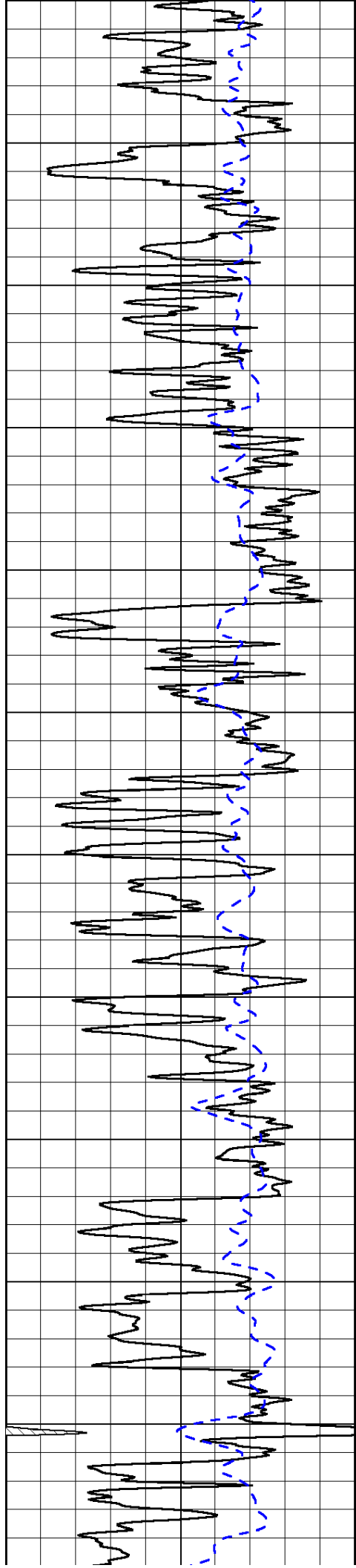
Clafin,
East to Rd 4, 4 1/4 South,
East into

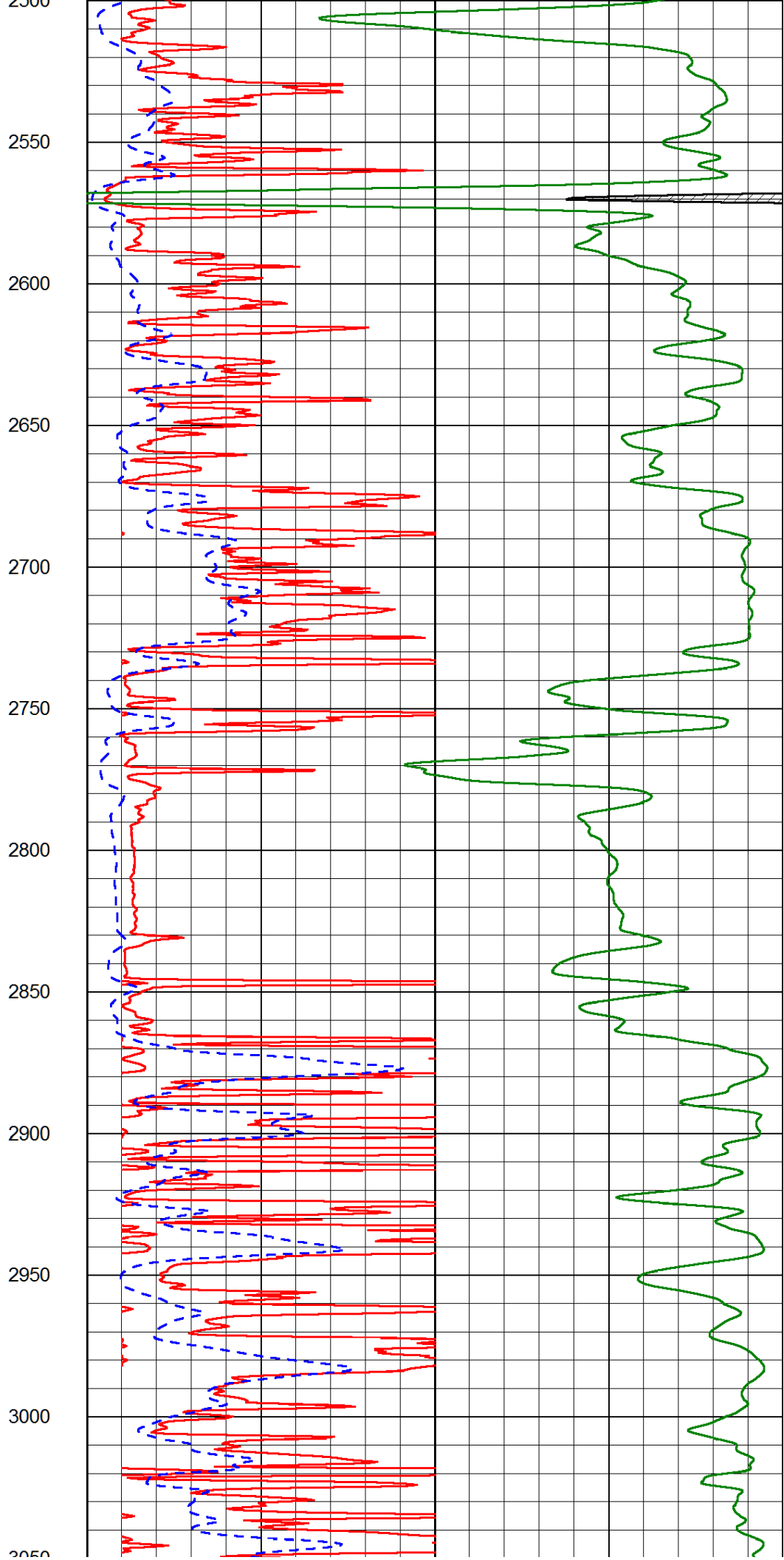
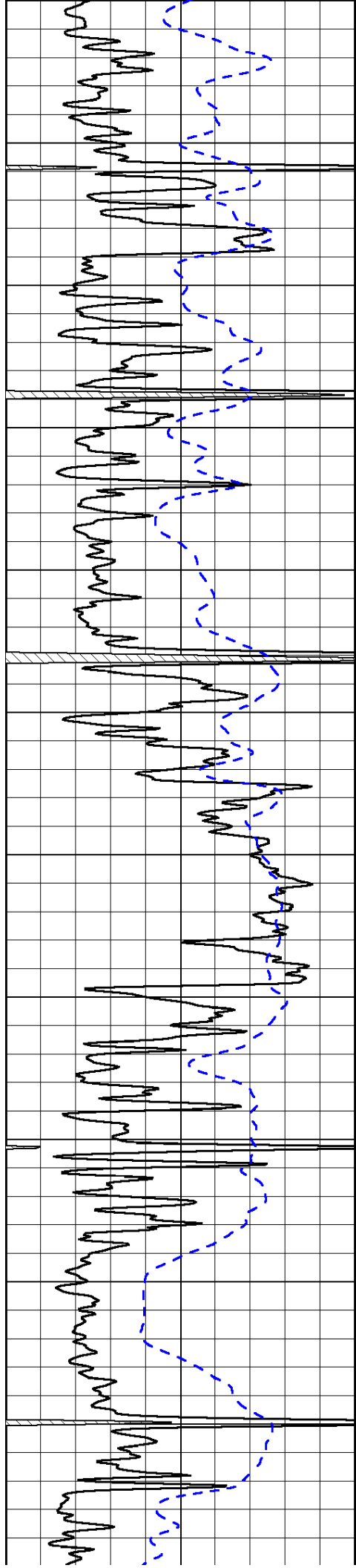
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Presentation Format: dil2in
Dataset Creation: Tue Apr 08 09:48:06 2014
Charted by: Depth in Feet scaled 1:600

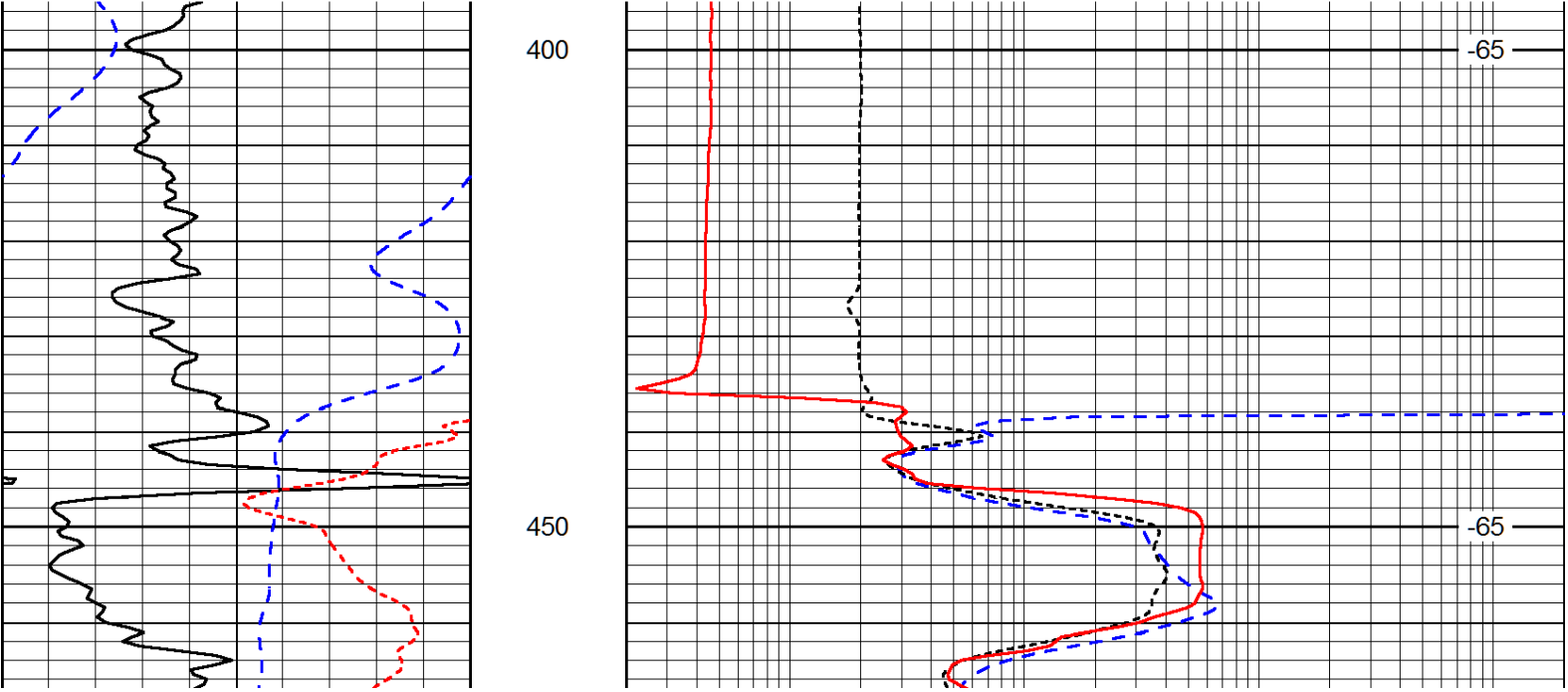
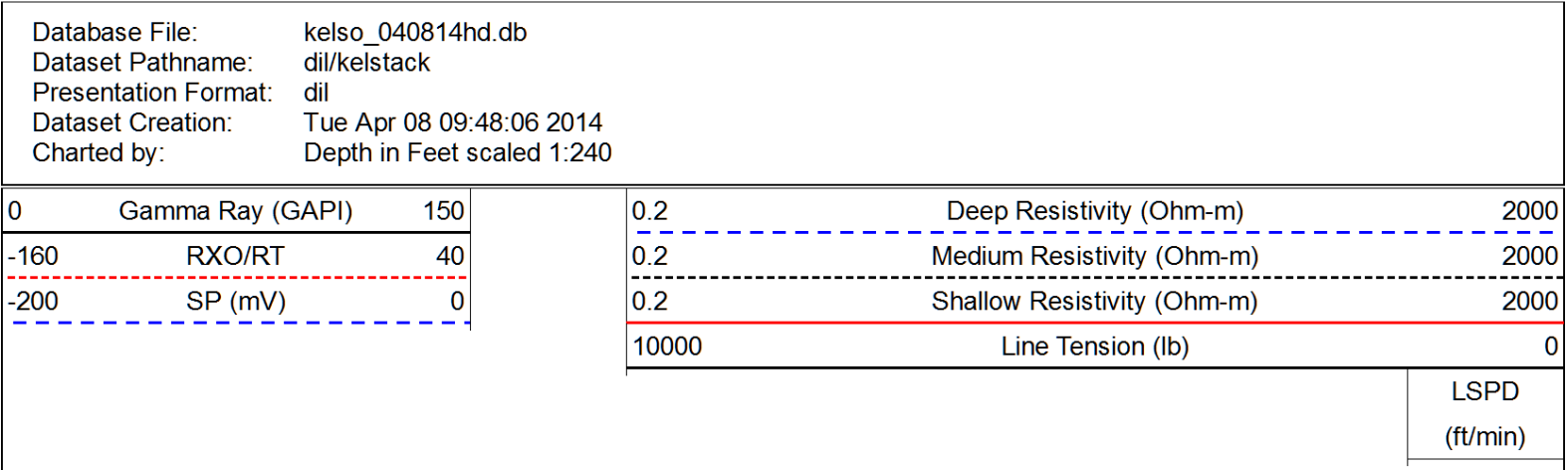
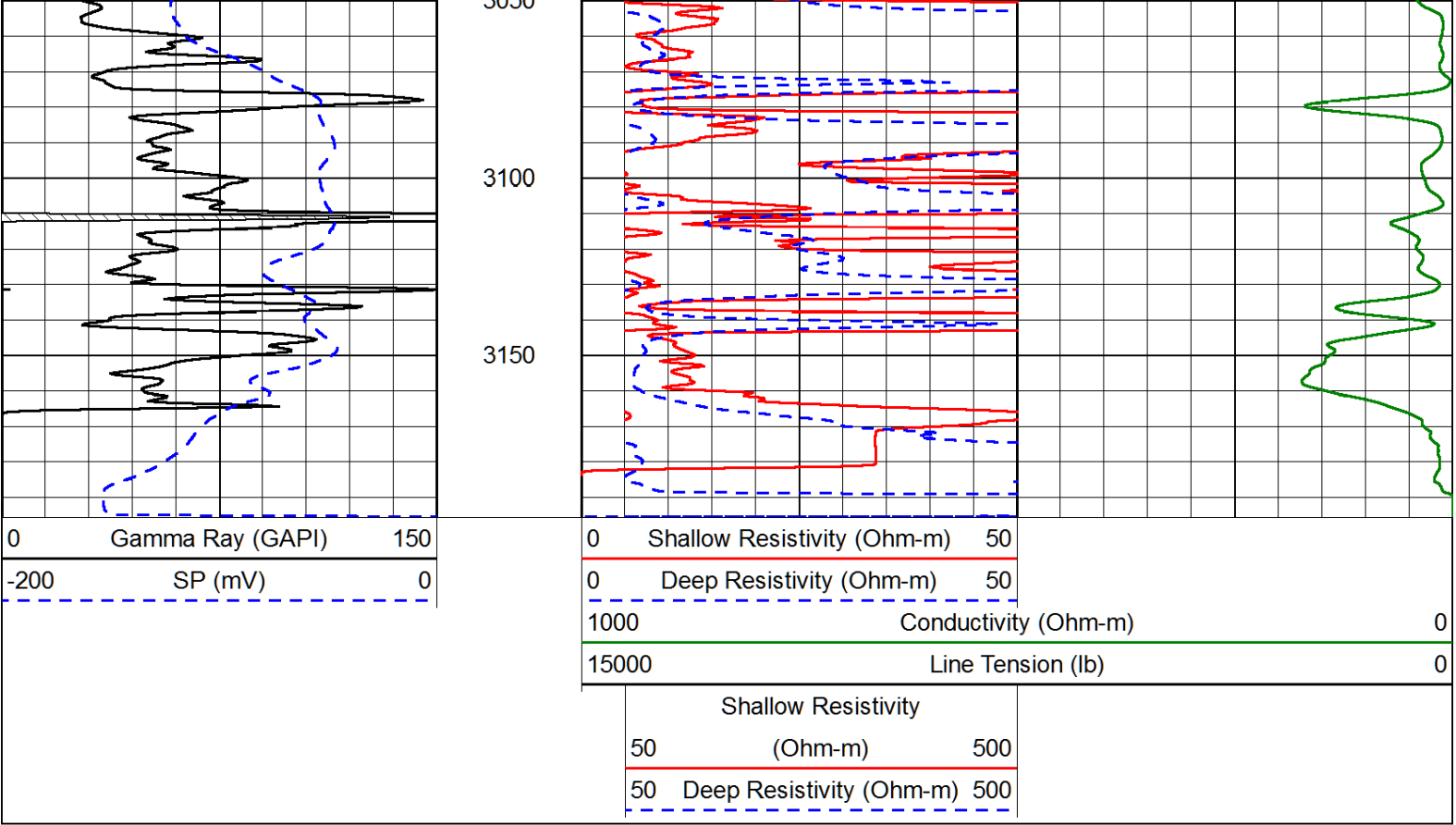


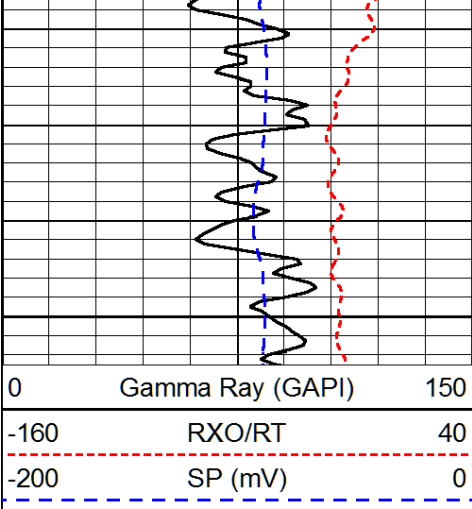




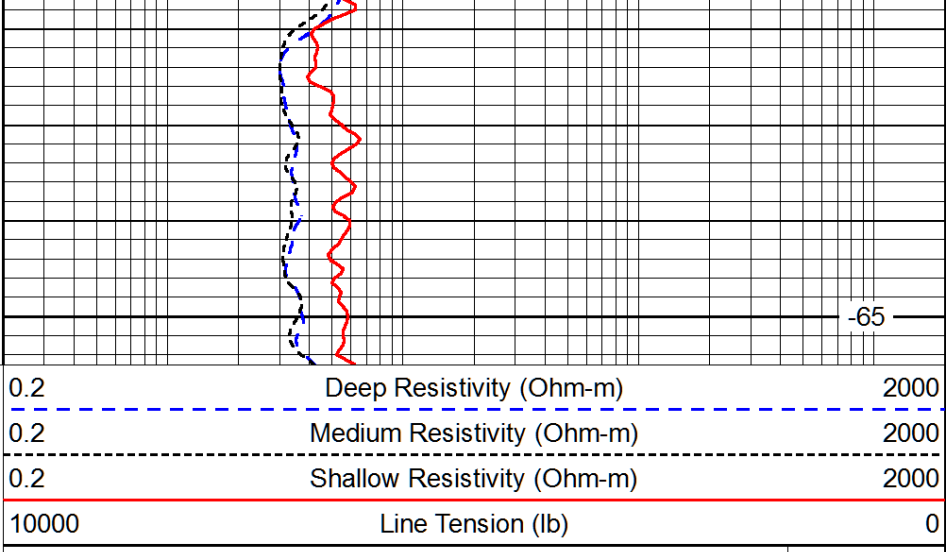








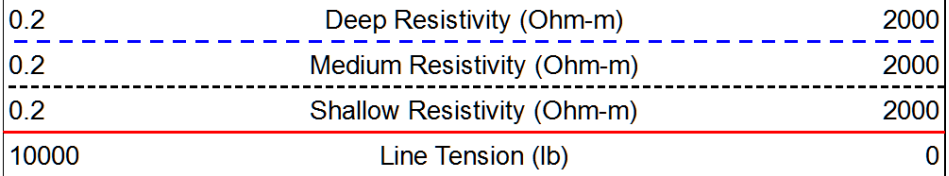
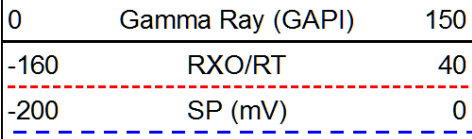
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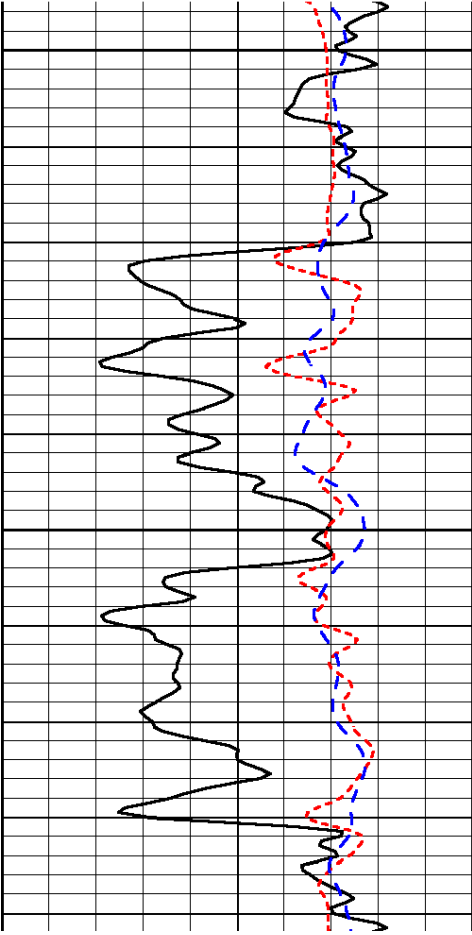
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LSPD
(ft/min)

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 Presentation Format: dil
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 Charted by: Depth in Feet scaled 1:240

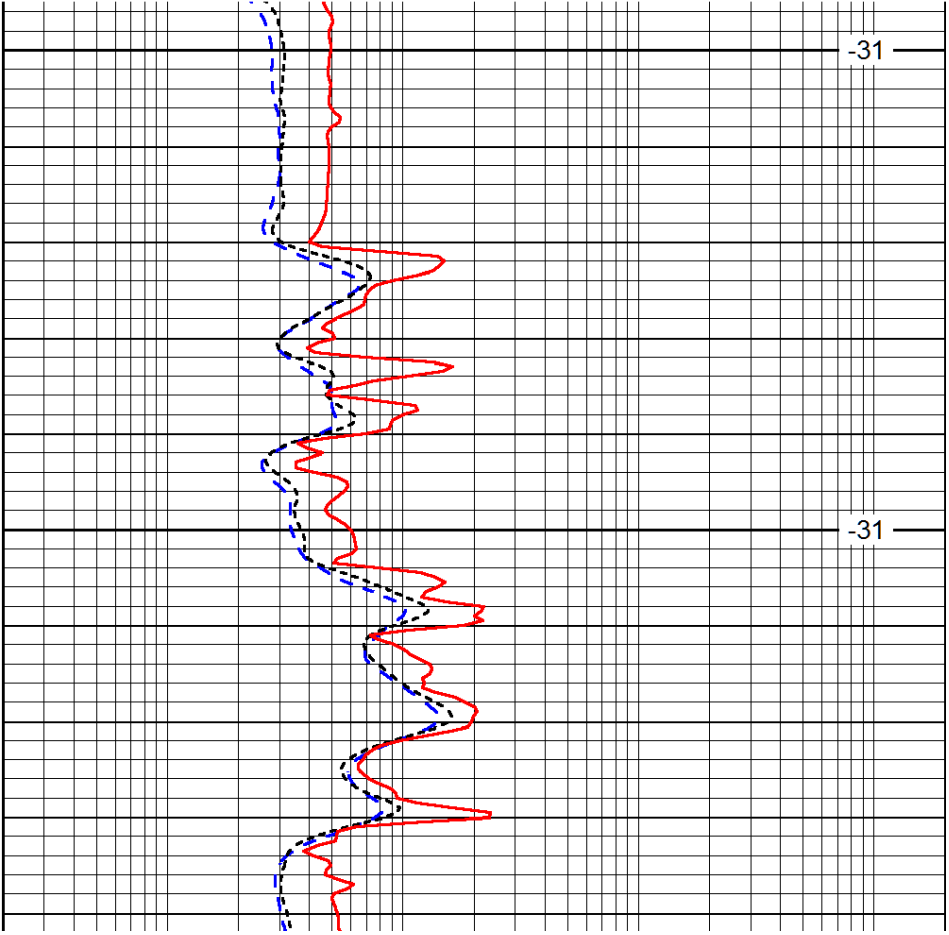


LSPD
(ft/min)



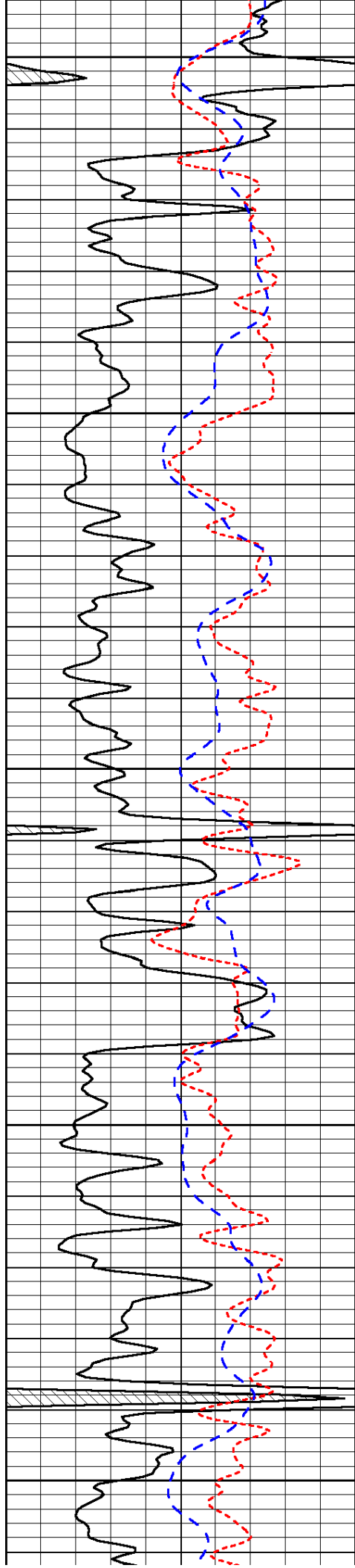
2350

2400



-31

-31



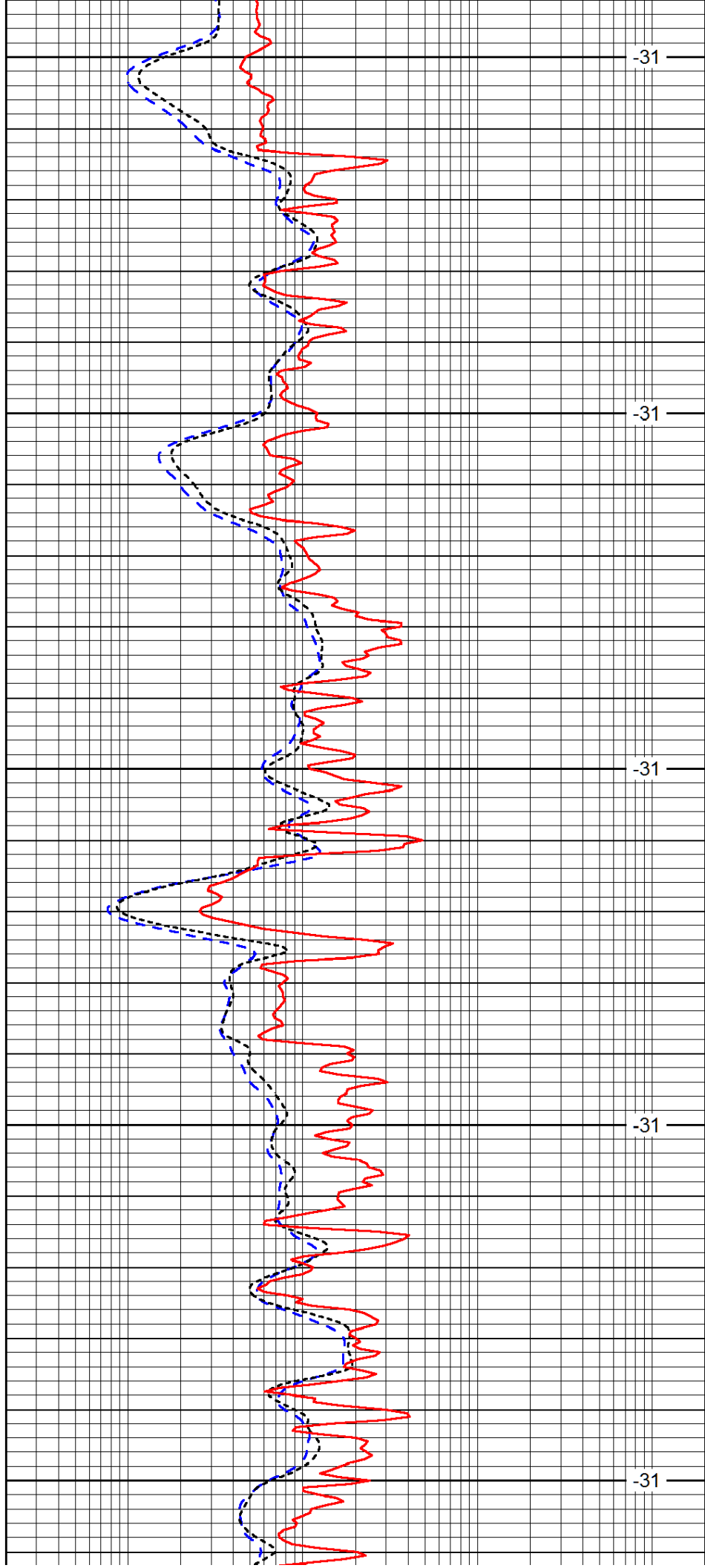
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2500

2550

2600

2650



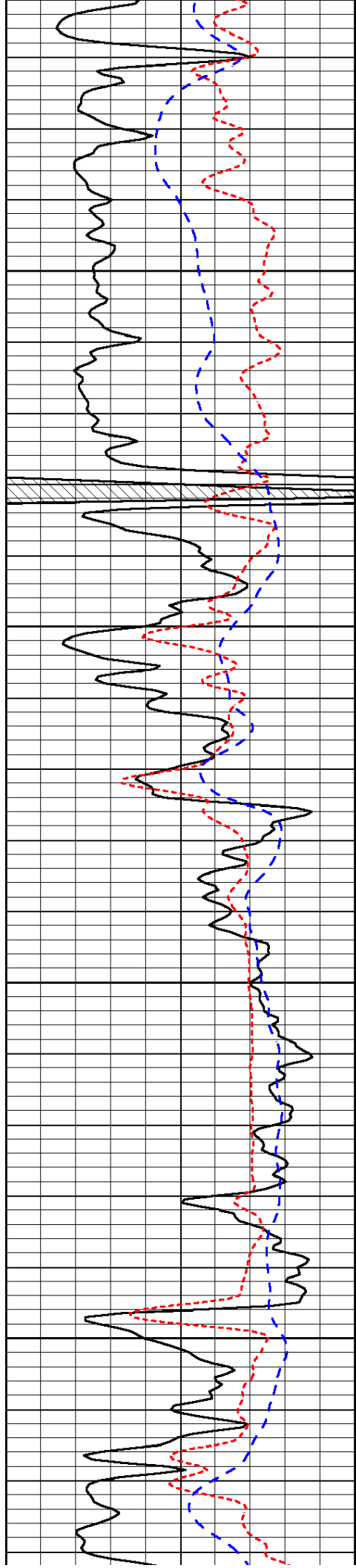
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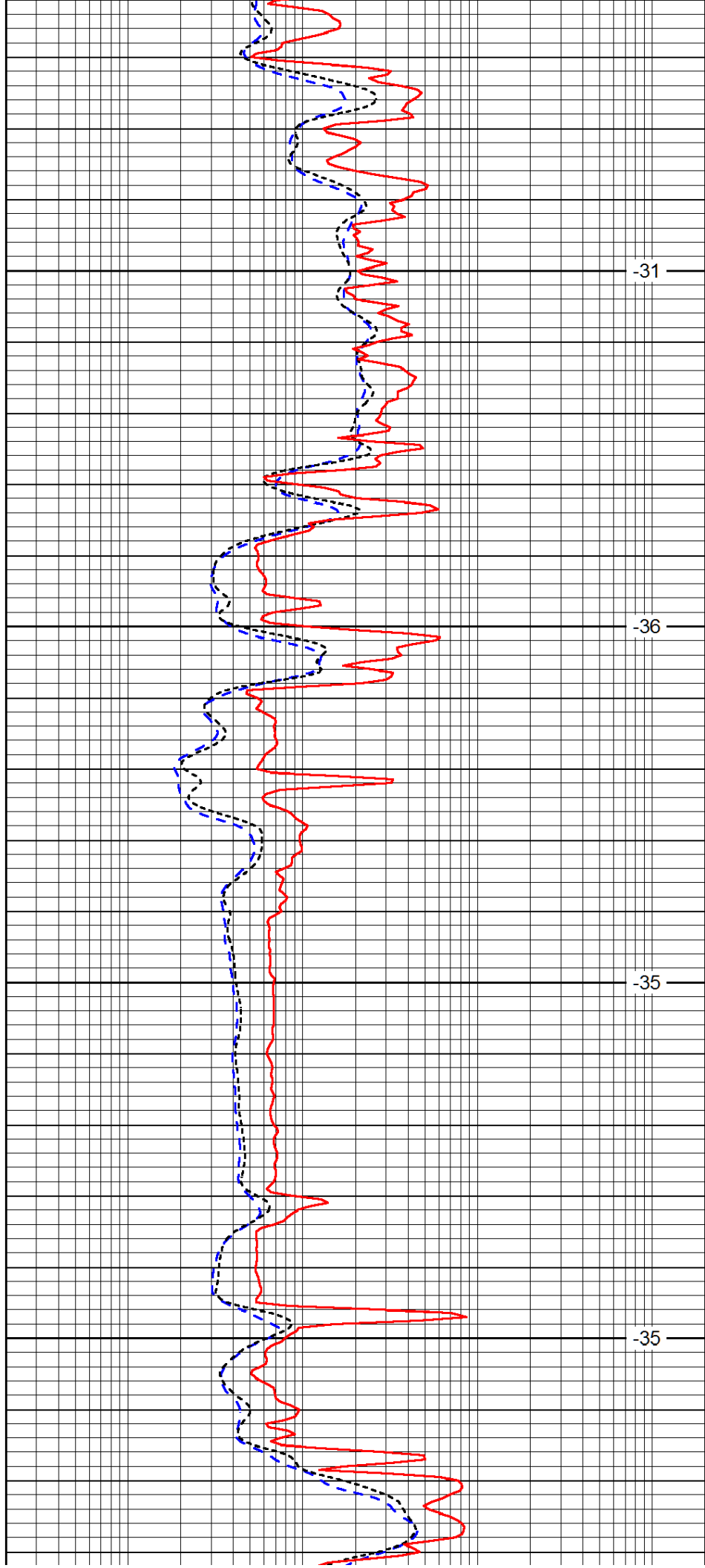


2700

2750

2800

2850

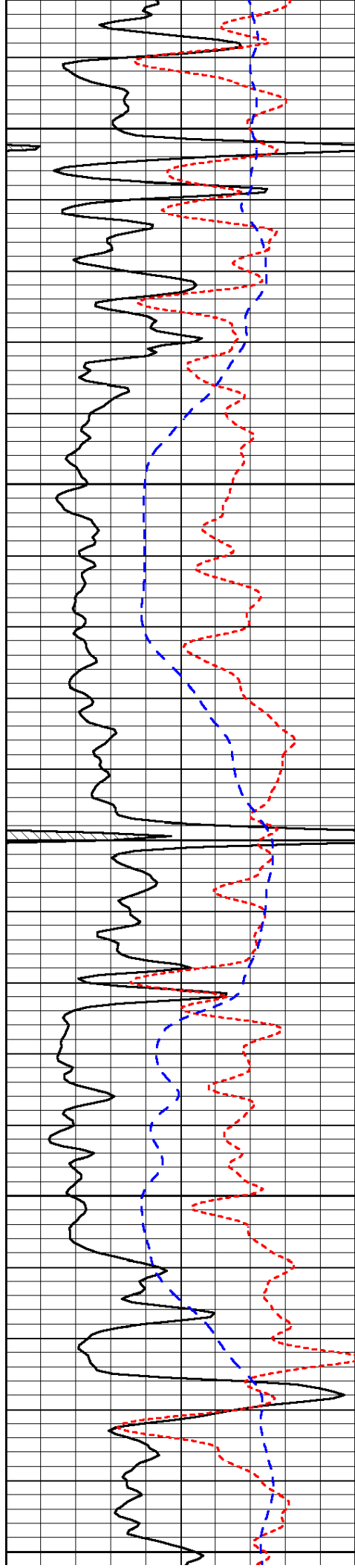


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-36

-35

-35



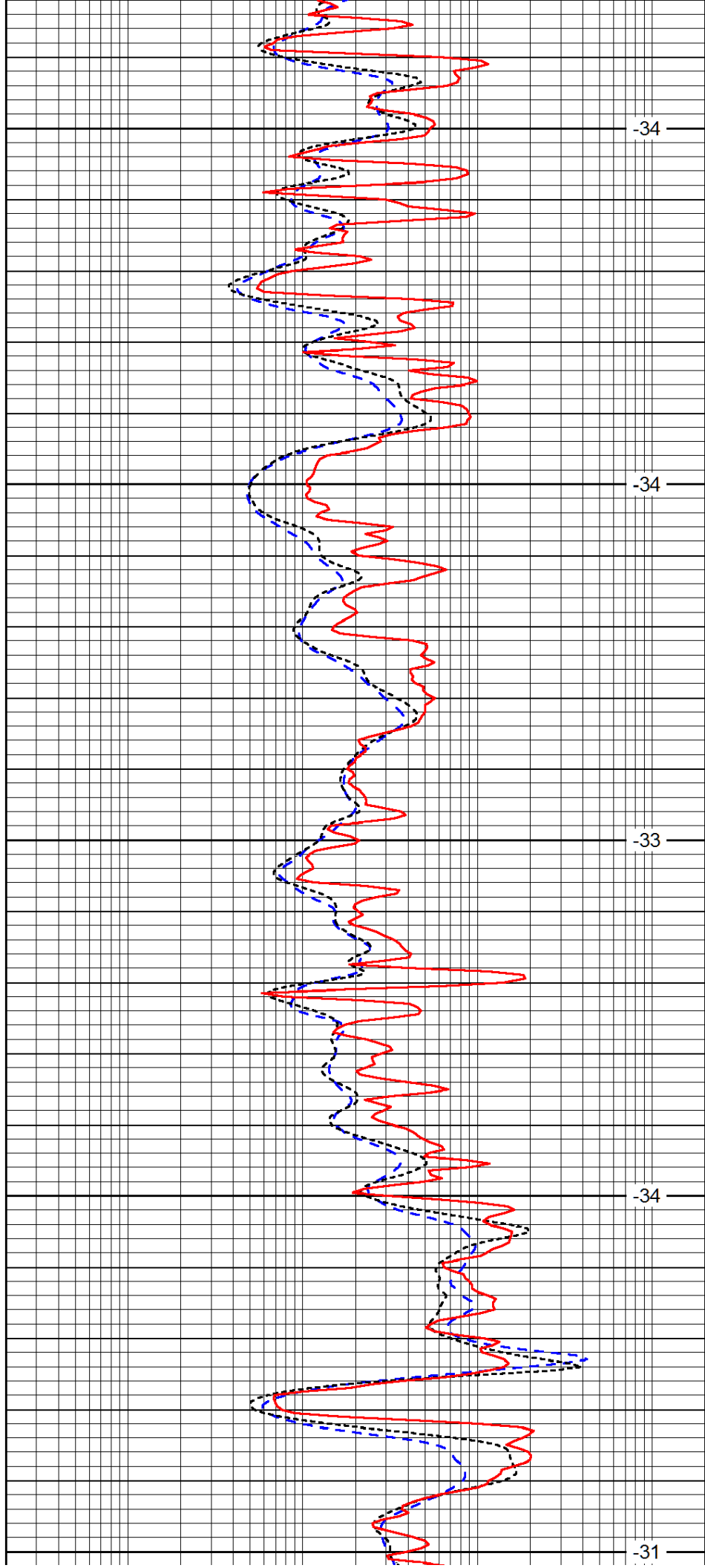
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2950

3000

3050

3100



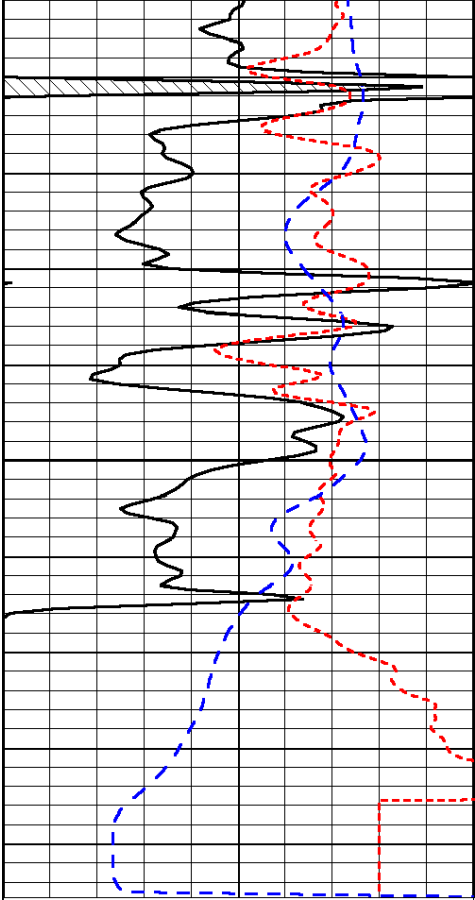
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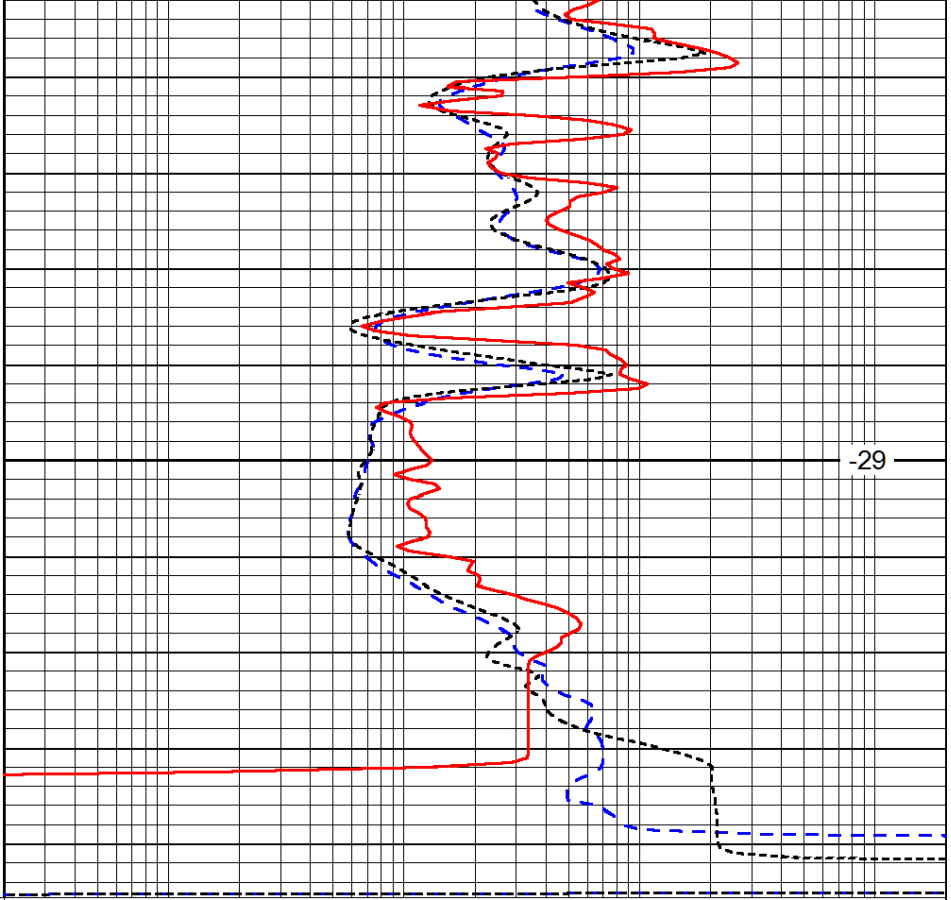
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-34

-31



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)