



Pioneer Energy Services

Dual Induction Log

API No.

15-009-25,857-00-00

Company LB Exploration, Inc.

Well Kingston No. 5

Field Larkin North

County Barton State

Kansas

Location

NE-NE-SE-NE
1374' FNL & 173' FEL

Sec: 3

Twp: 17S

Rge: 14W

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 1956
K.B. 1969
D.F. 1956
G.L. 1956

Date

7/18/2013

Run Number

One

Depth Driller

3520

Depth Logger

3518

Bottom Logged Interval

3517

Top Log Interval

400

Casing Driller

8.625 @ 440

Casing Logger

436

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

7.000

Density / Viscosity

8.9 49

pH / Fluid Loss

10.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.38 @ 80

Rmf @ Meas. Temp

.29 @ 80

Rmc @ Meas. Temp

.51 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

.27 @ 111

Operating Rig Time

4 Hours

Max Rec. Temp. F

111

Equipment Number

15

Location

Hays

Recorded By

J. Henrickson

Witnessed By

D. Kerr

Steve Peterman

<<< 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

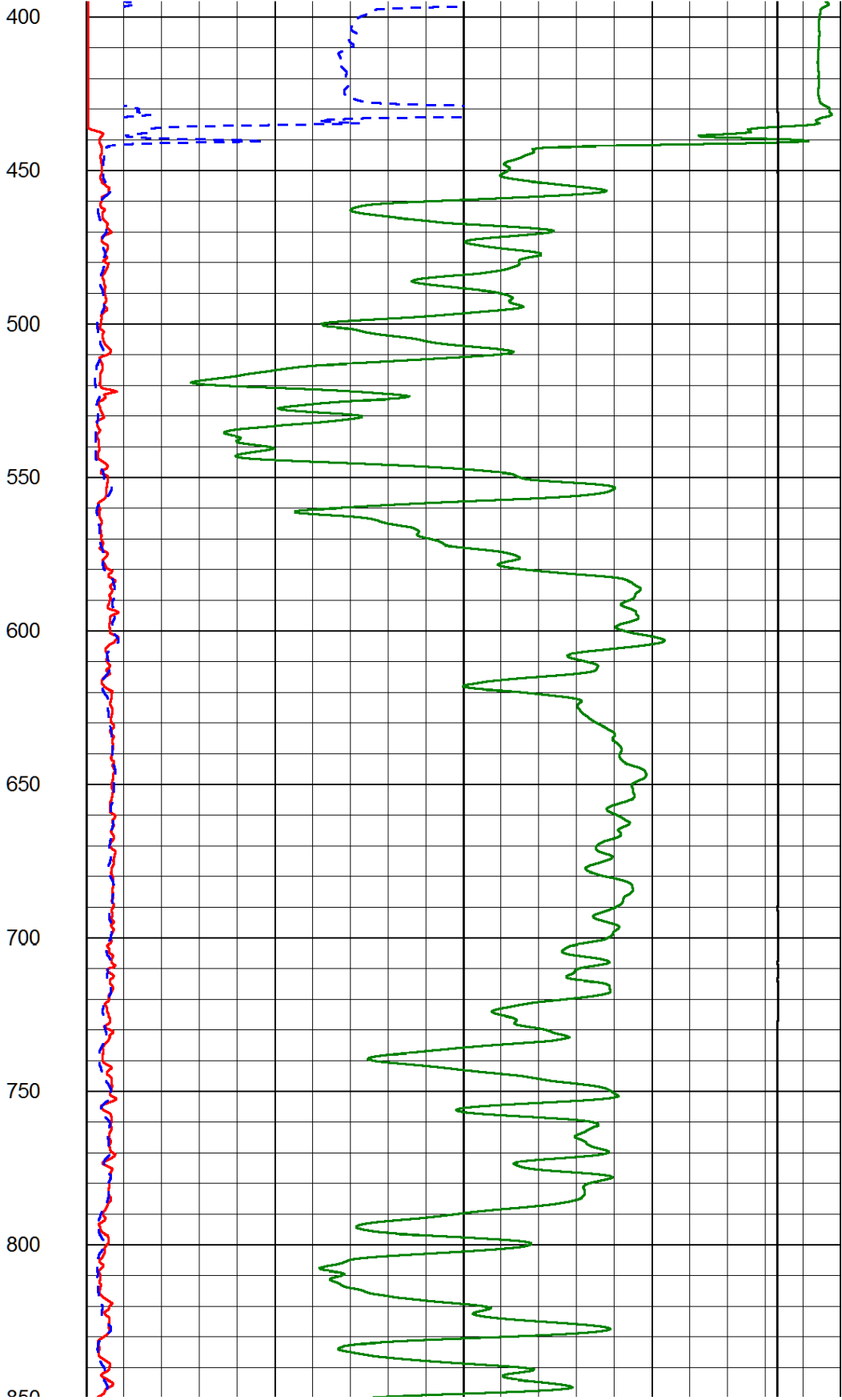
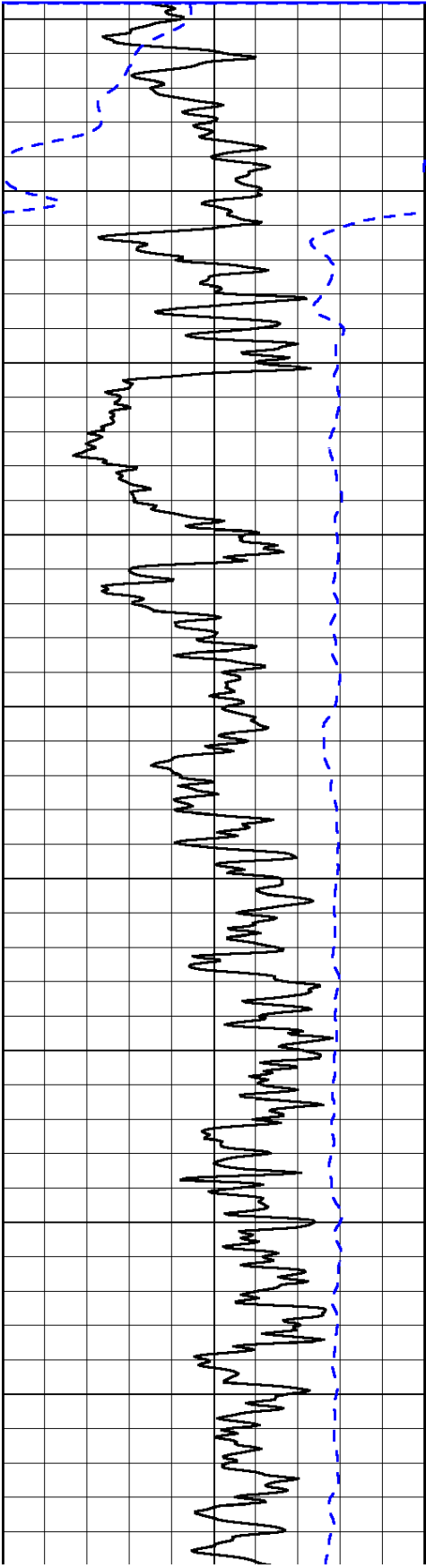
Thank you for using Log-Tech, Inc.
(785) 625-3858

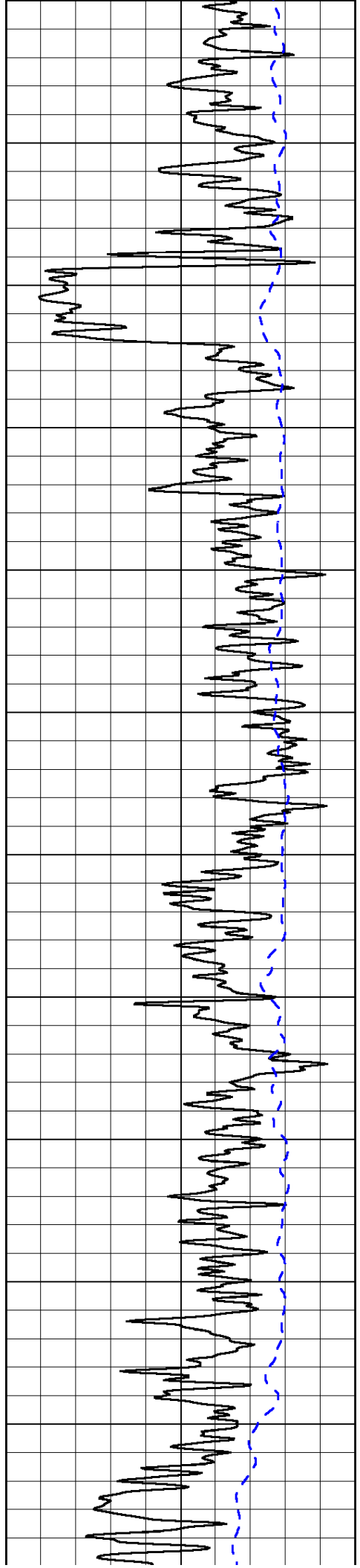
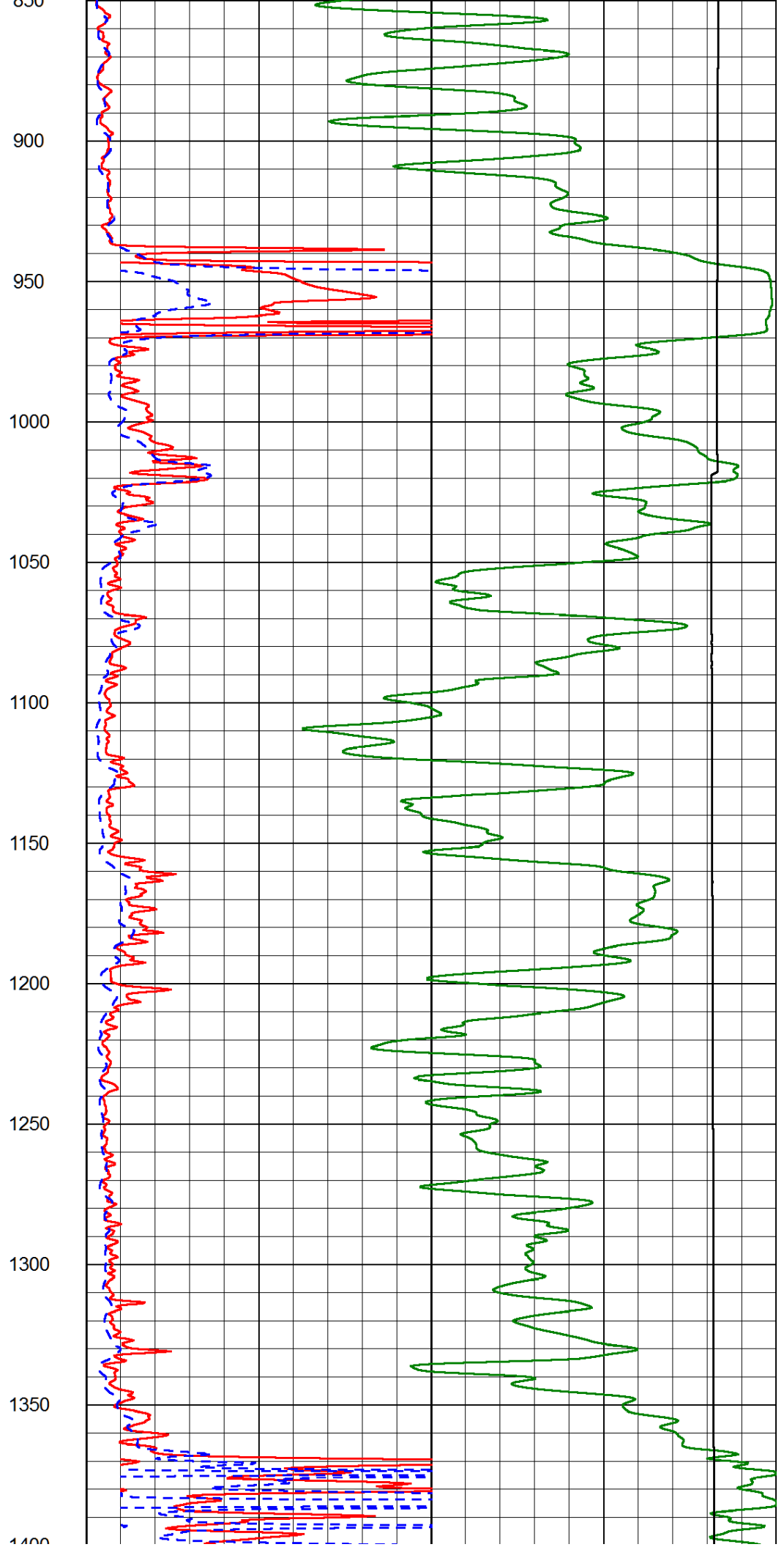
Hoisington Kansas
4 North on Hwy 281, West Into

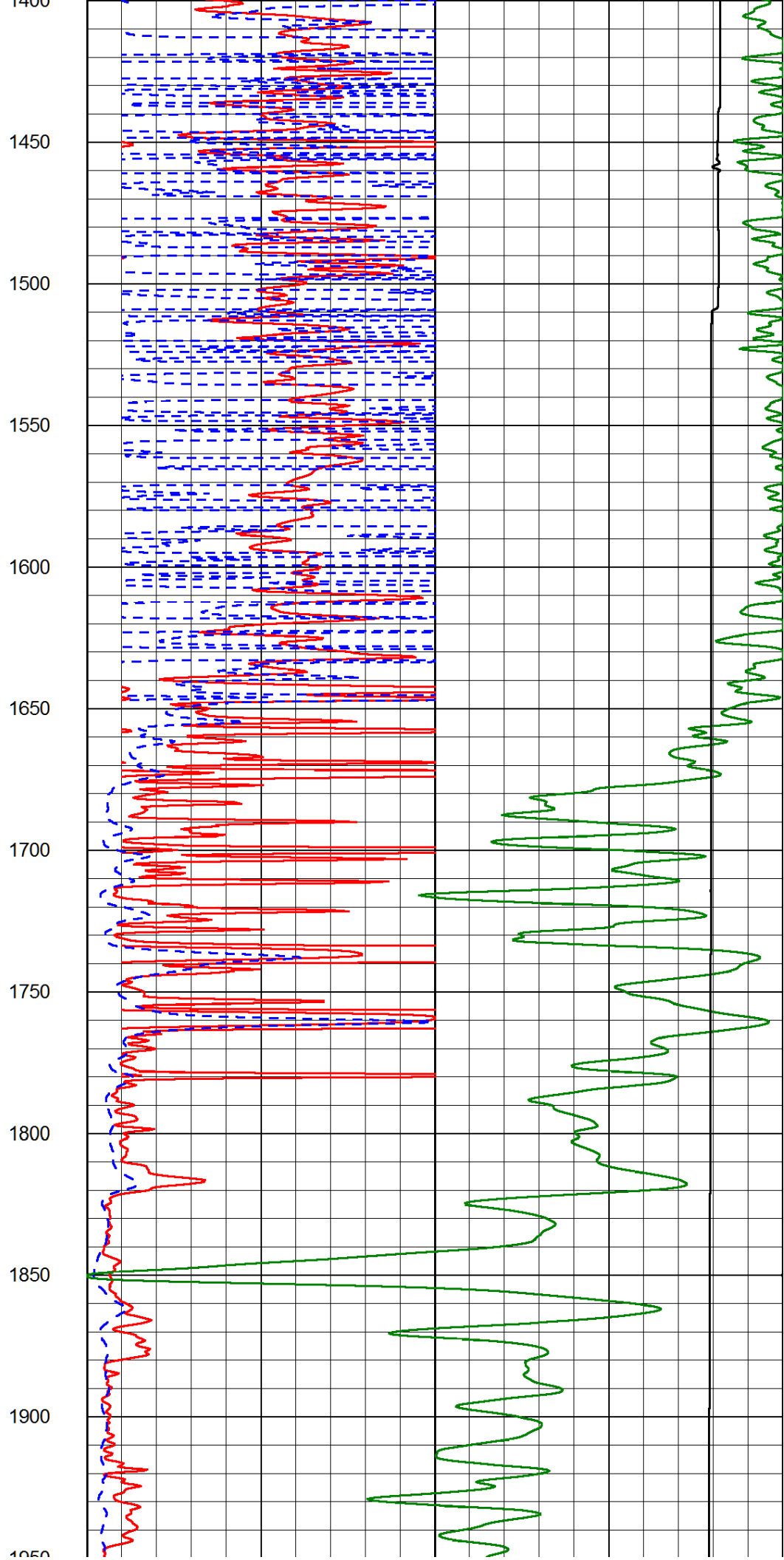
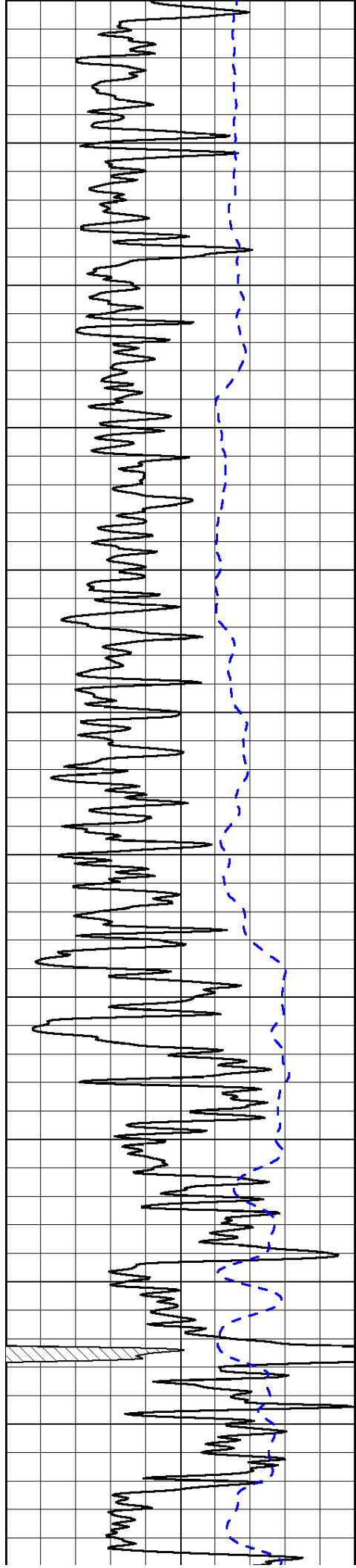
Database File: lb_exploration_kingston_5hd.db
Dataset Pathname: DIL/lbstk
Presentation Format: dil2in
Dataset Creation: Thu Jul 18 04:30:21 2013
Charted by: Depth in Feet scaled 1:600

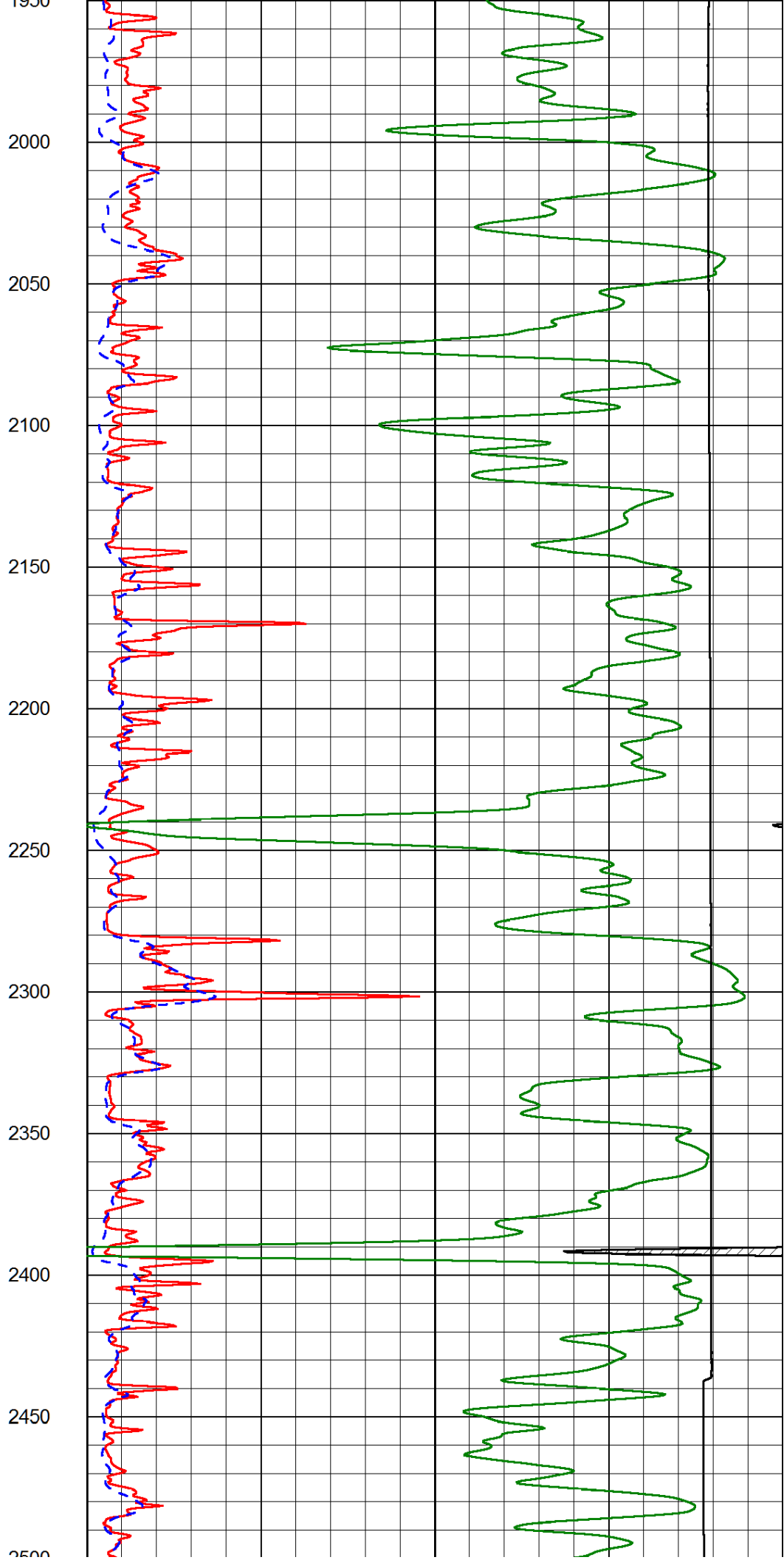
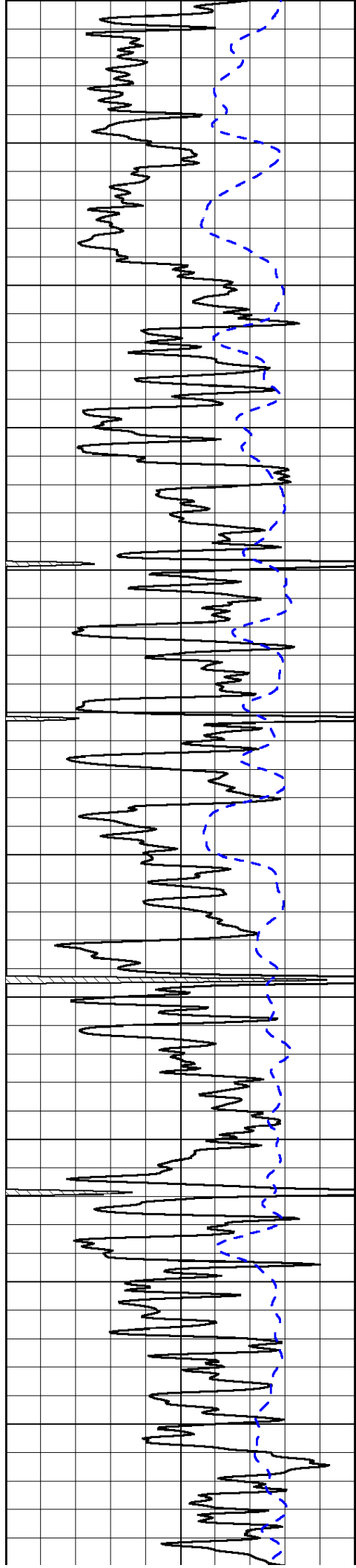
0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

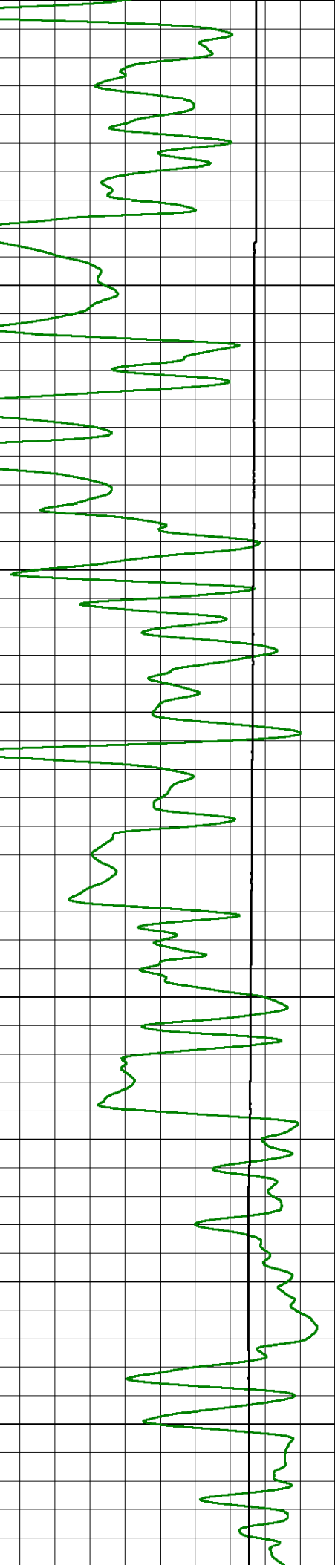
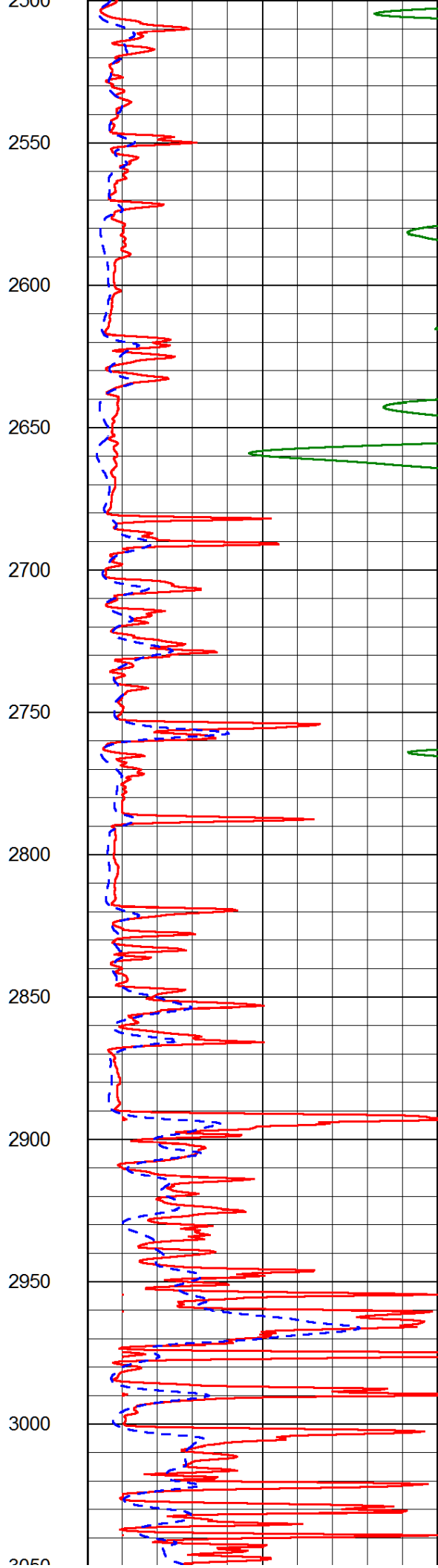
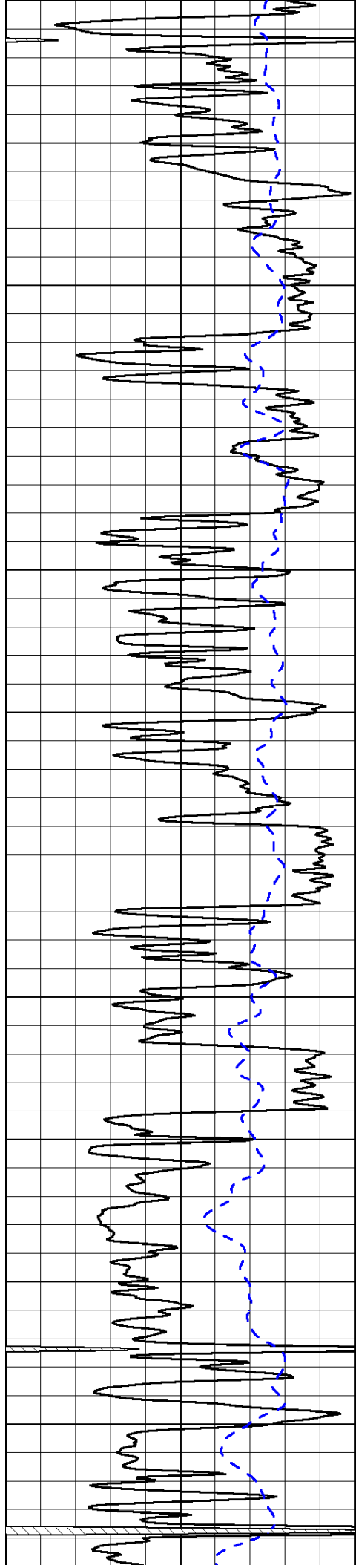
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (Ohm-m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

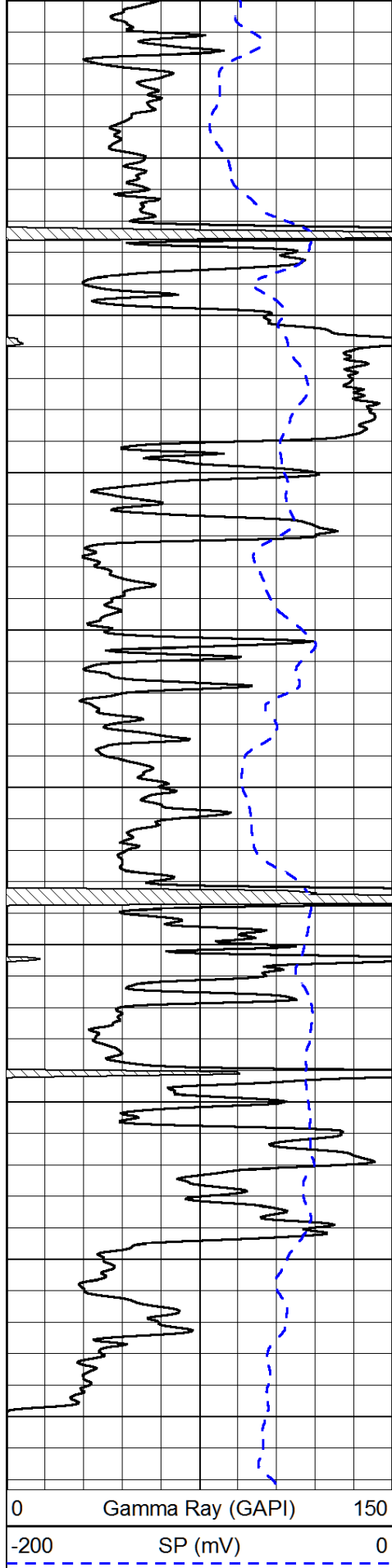




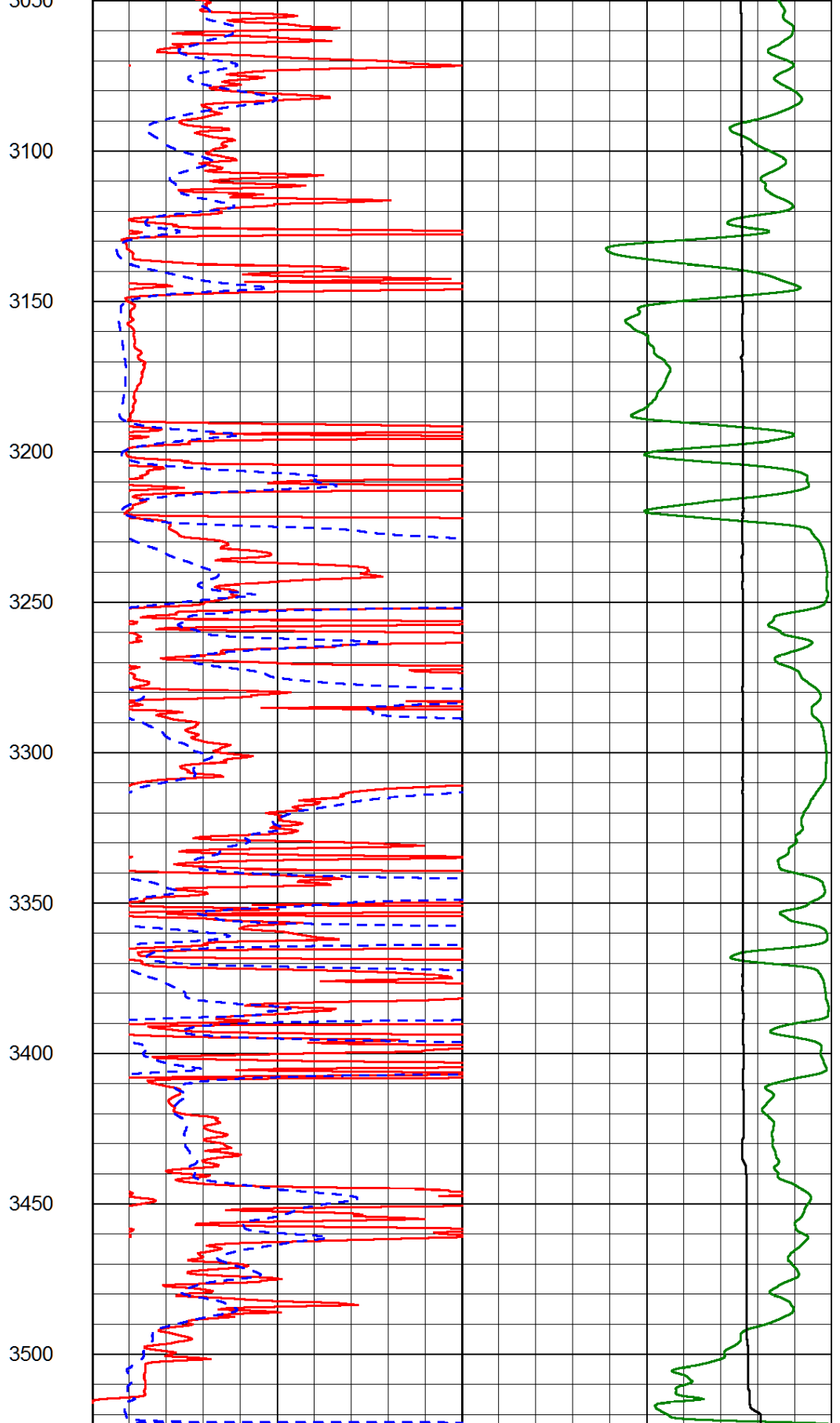








0 Gamma Ray (GAPI) 150
-200 SP (mV) 0



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

Shallow Resistivity
50 (Ohm-m) 500

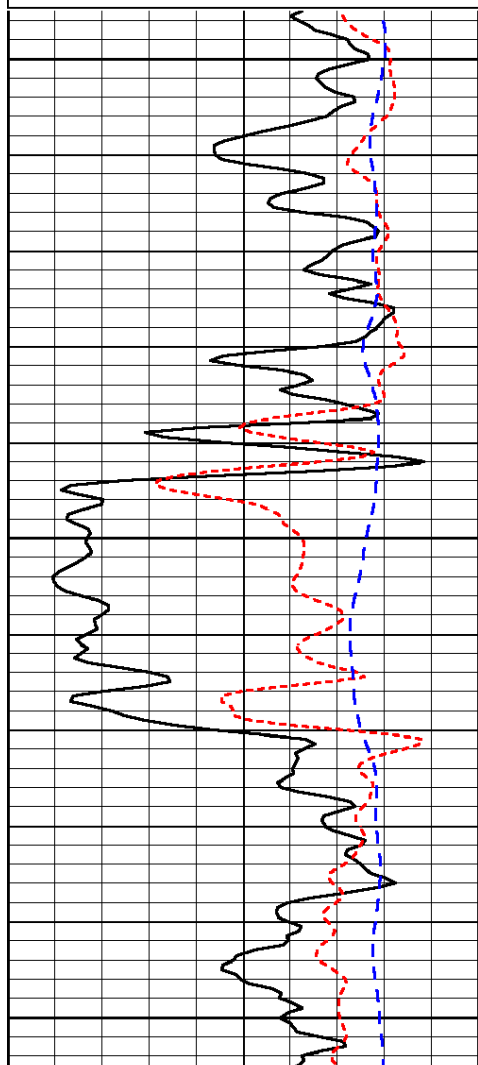
50 Deep Resistivity (Ohm-m) 500

Database File: lb_exploration_kingston_5hd.db
Dataset Pathname: DIL/lbstk
Presentation Format: dil
Dataset Creation: Thu Jul 18 04:30:21 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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-200	SP (mV)	0

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

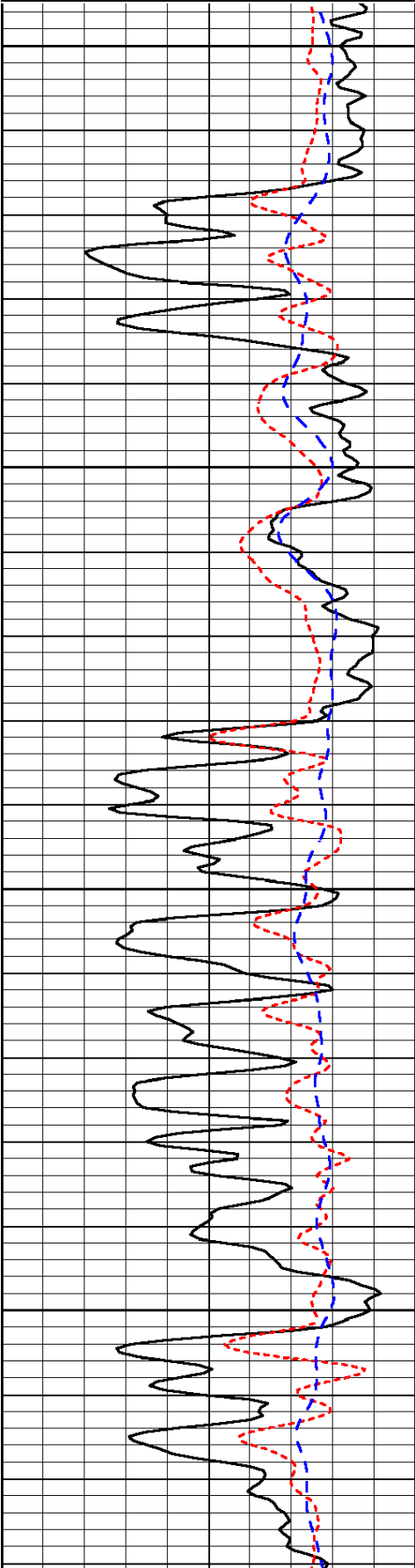
LSPD
(ft/min)

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LSPD
(ft/min)

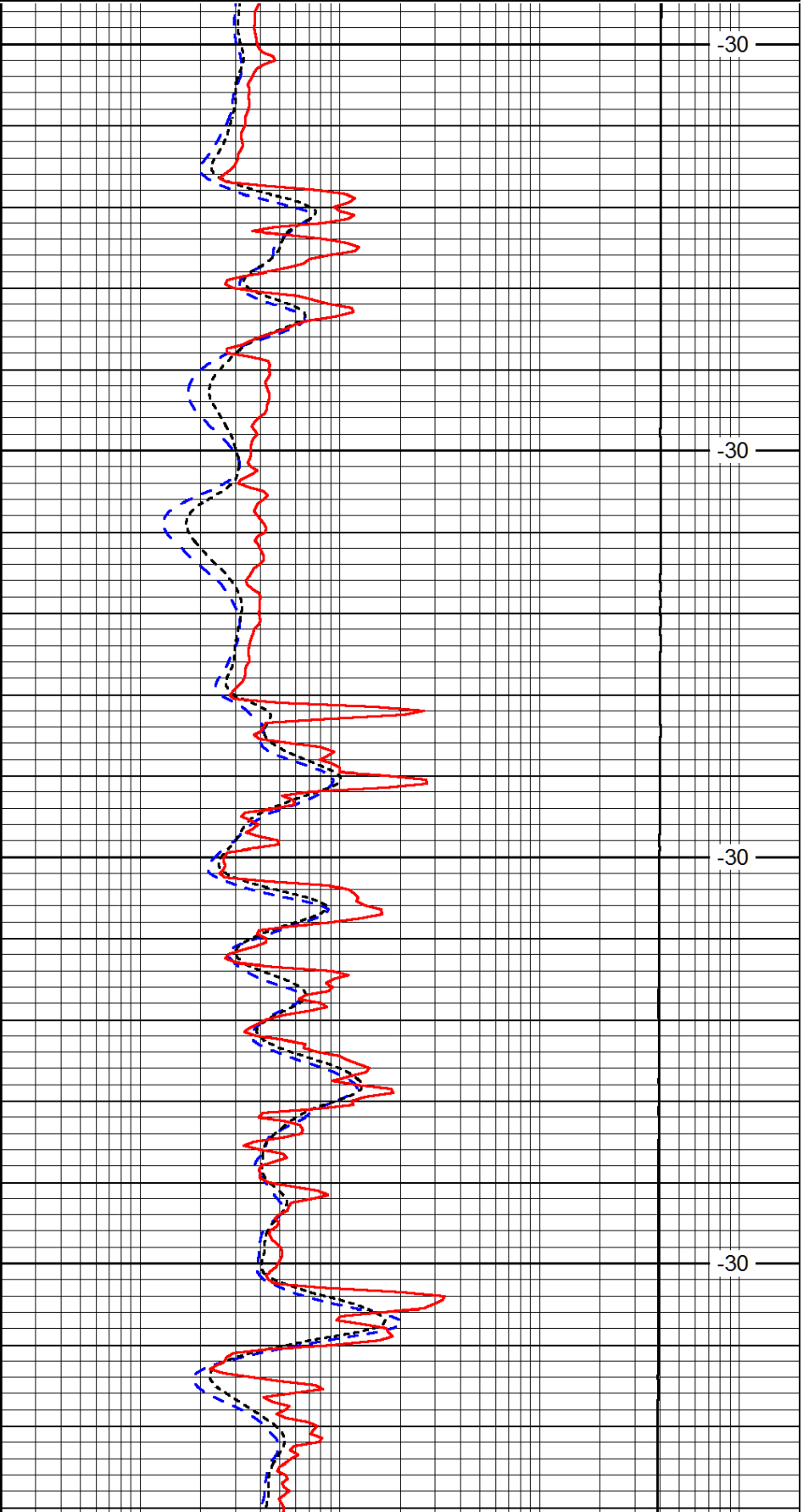


2600

2650

2700

2750

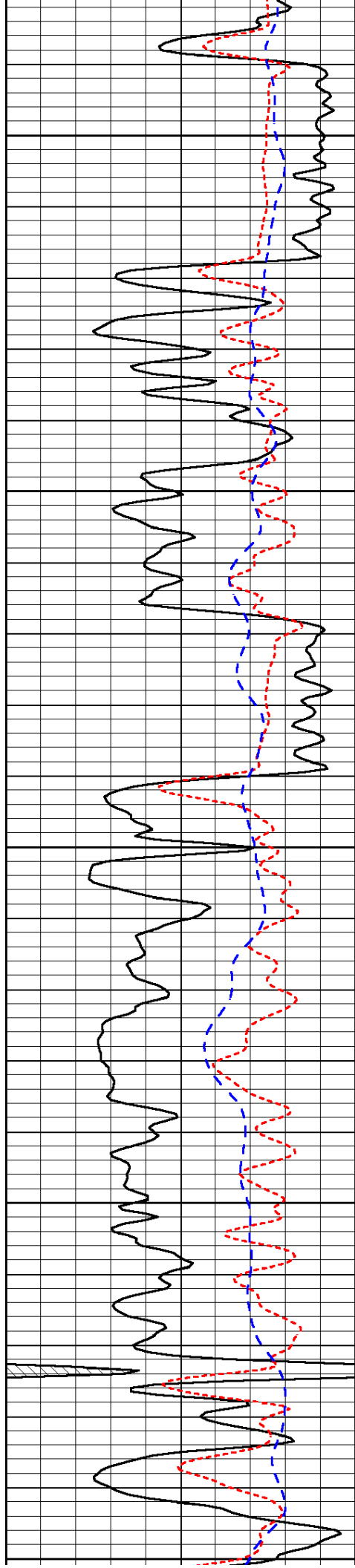


-30

-30

-30

-30



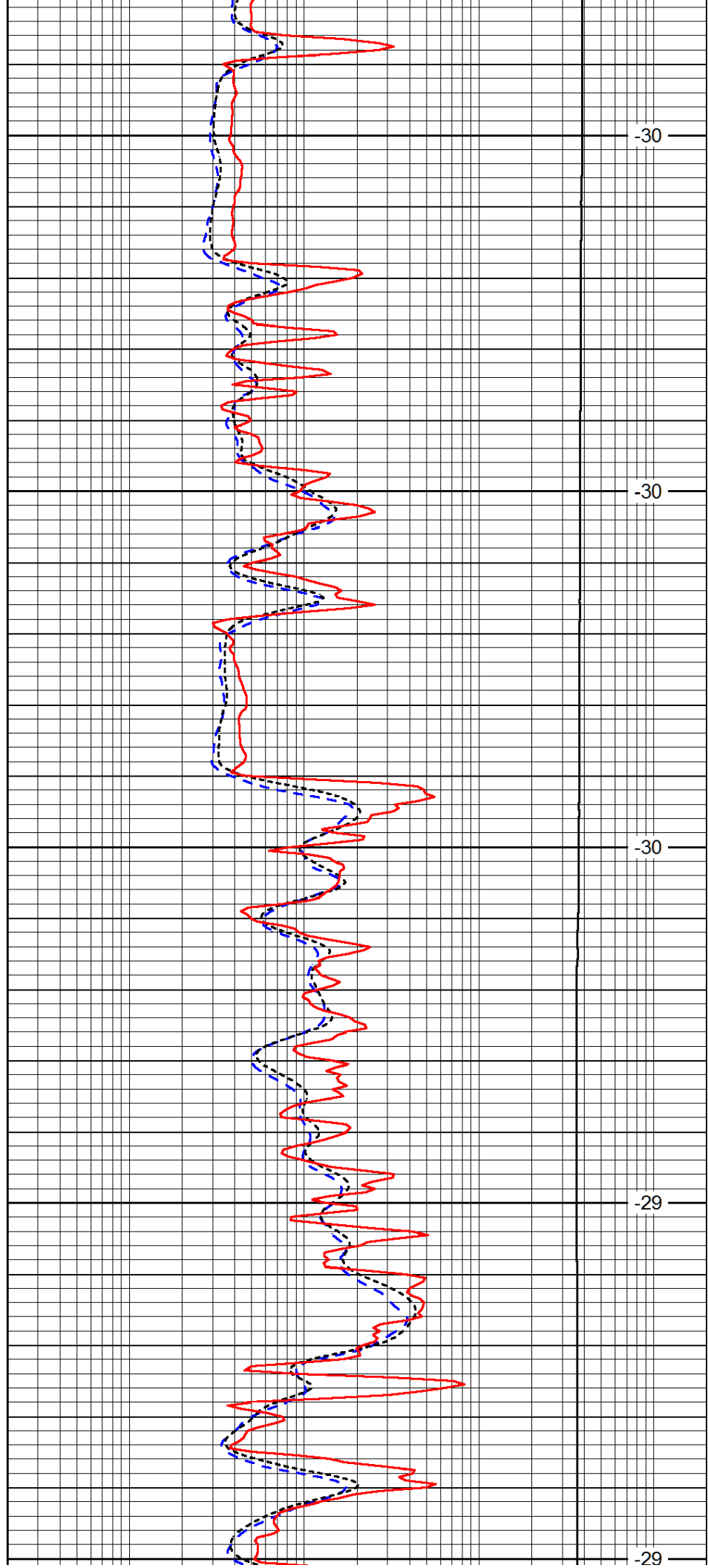
2800

2850

2900

2950

3000



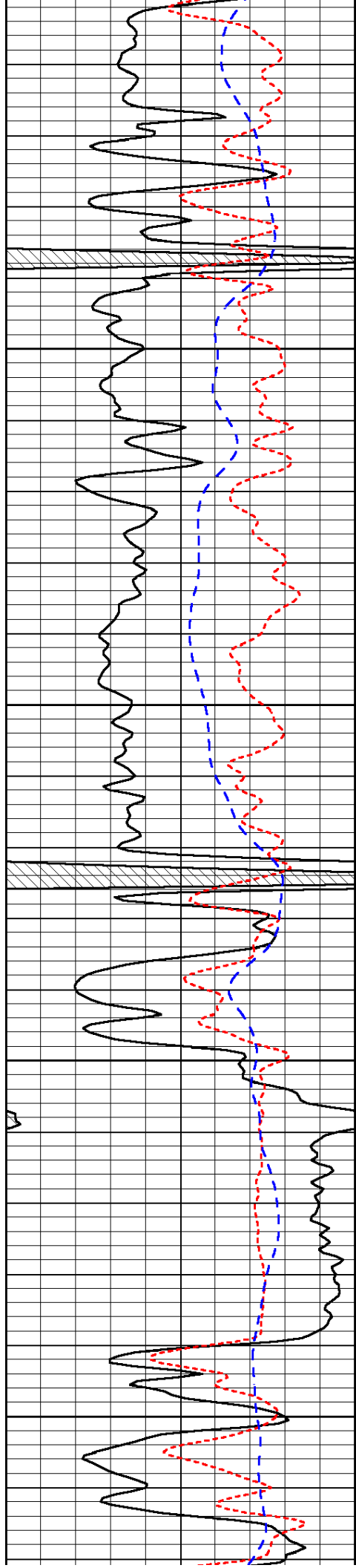
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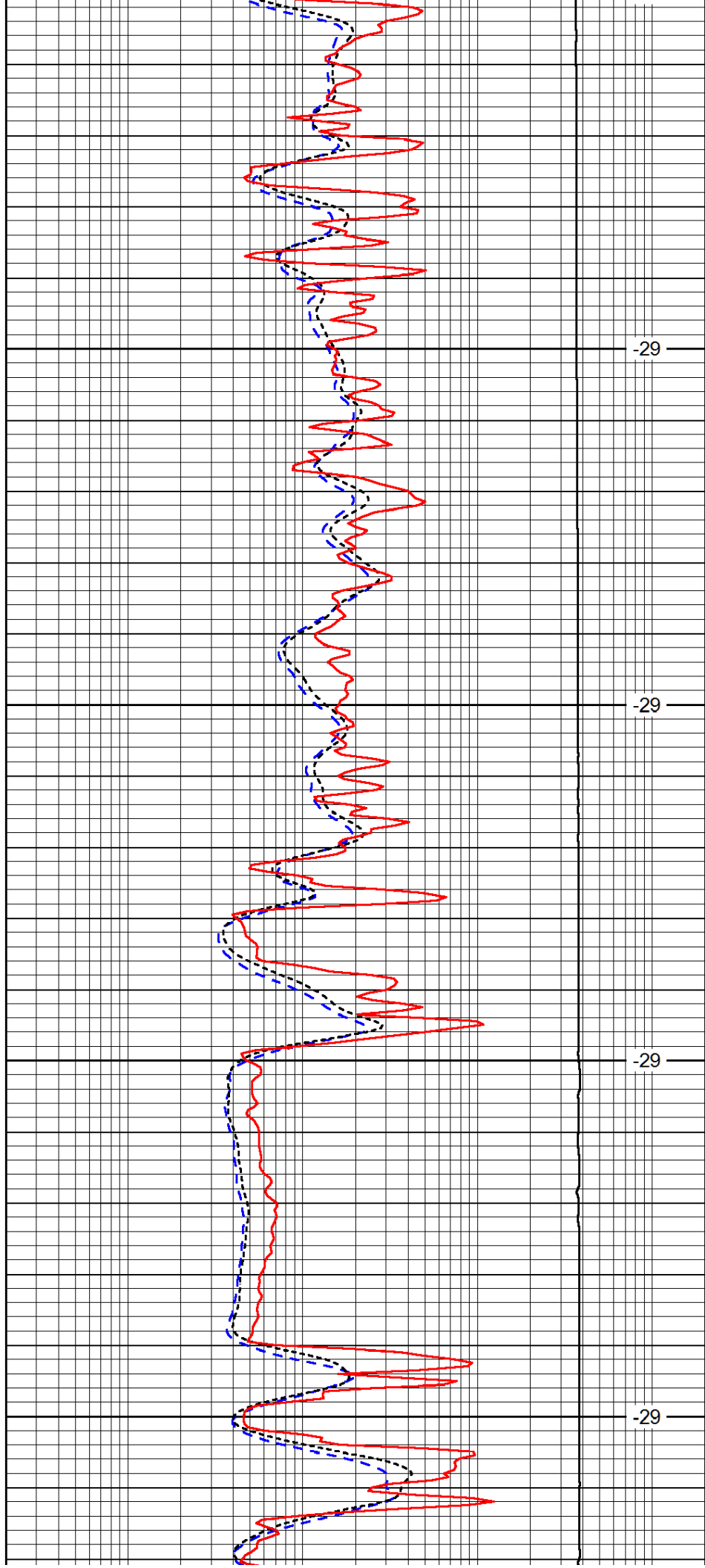


3050

3100

3150

3200

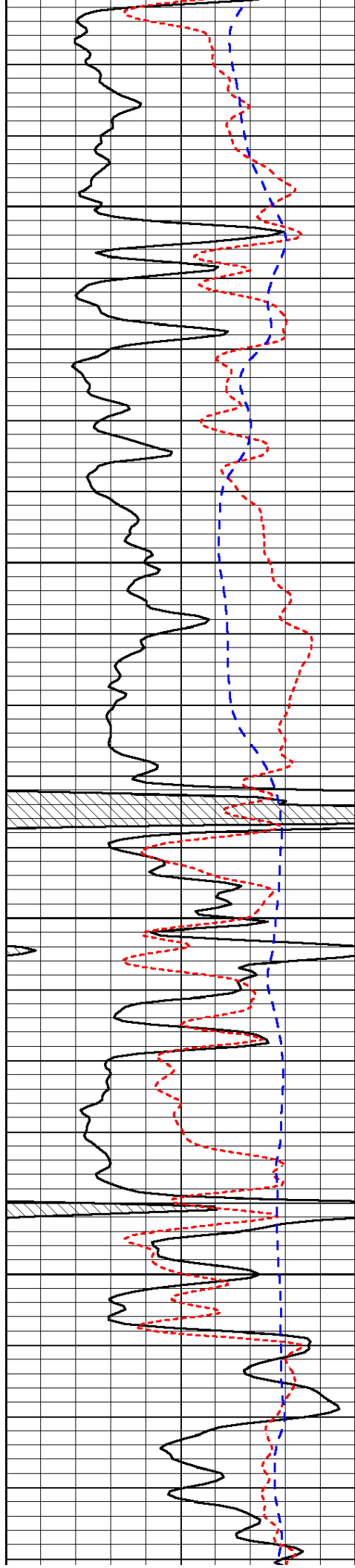


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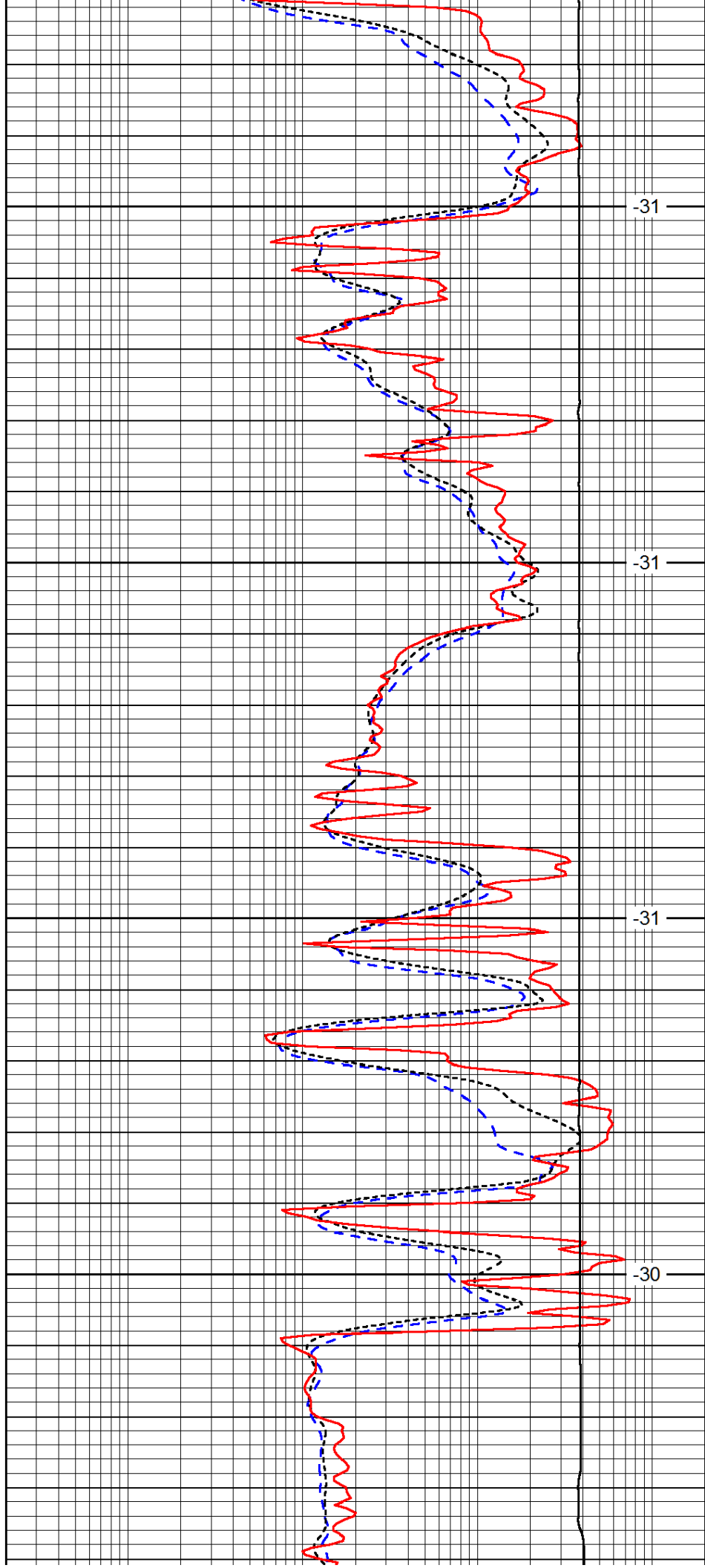


3250

3300

3350

3400

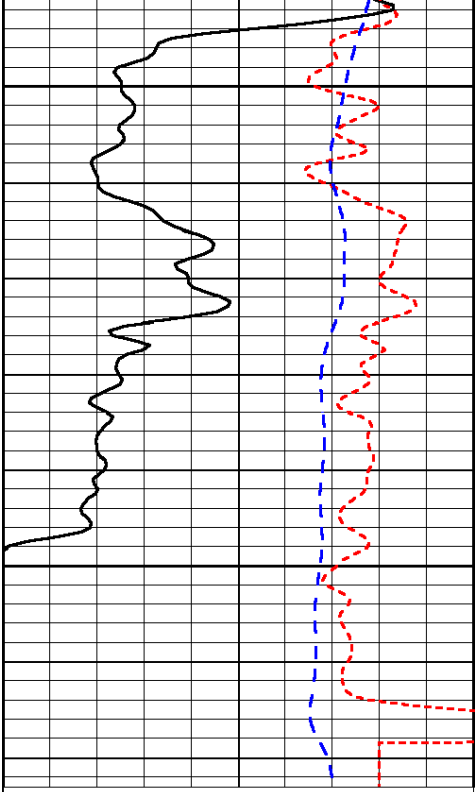


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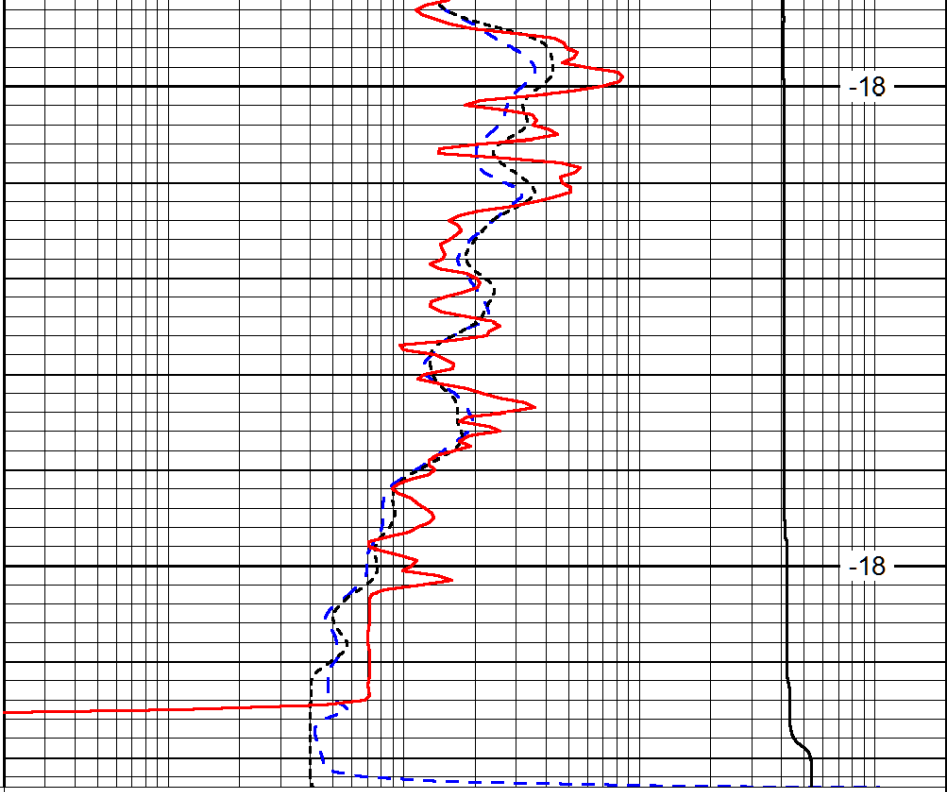
-30



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-200	SP (mV)	0

3450

3500



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10000	Line Tension (lb)	0

LSPD
(ft/min)