



Dual Induction Log

Pioneer Energy Services

API No.

15-009-25,962-00-00

Company K&N Petroleum, Inc.

Well Tony Klepper #4-1

Field

County Barton

State

Kansas

Location

NW SW SE SE
558' FSL & 1,215' FEL

Sec: 4

Twp: 19S

Rge: 11W

Elevation

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

Elevation 1790
K.B. 1797
D.F. 1790
G.L. 1790

Date

4/14/2014

Run Number

One

Depth Driller

3475

Depth Logger

3475

Bottom Logged Interval

3474

Top Log Interval

350

Casing Driller

8.625 @ 368

Casing Logger

366

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8000

Density / Viscosity

9.2 48

pH / Fluid Loss

9.5 10.8

Source of Sample

Flowline

Rm @ Meas. Temp

.30 @ 60

Rmf @ Meas. Temp

.23 @ 60

Rmc @ Meas. Temp

.41 @ 60

Source of Rmf / Rmc

Charts

Rm @ BHT

.16 @ 111

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

111

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Wyatt Urban

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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

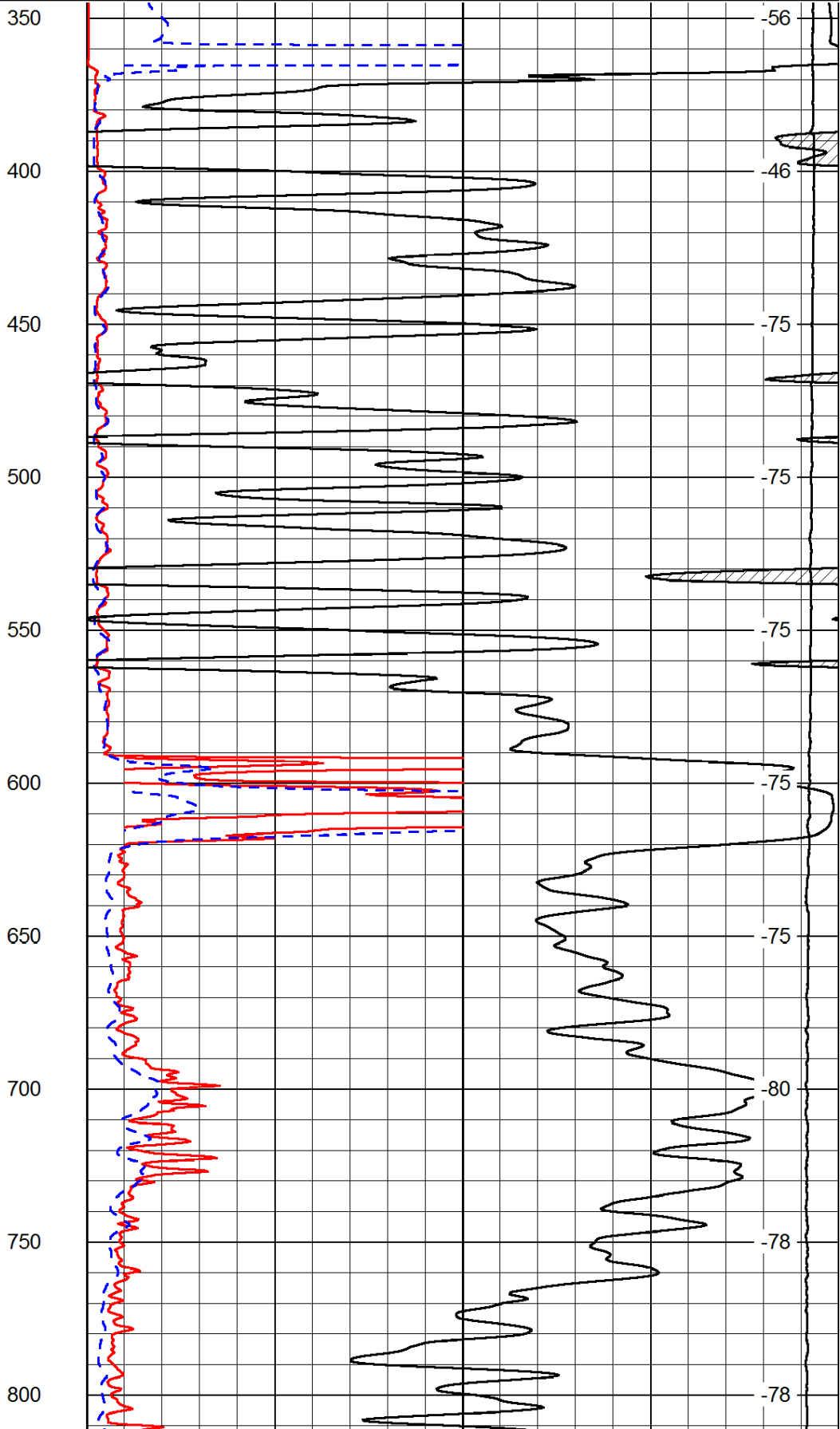
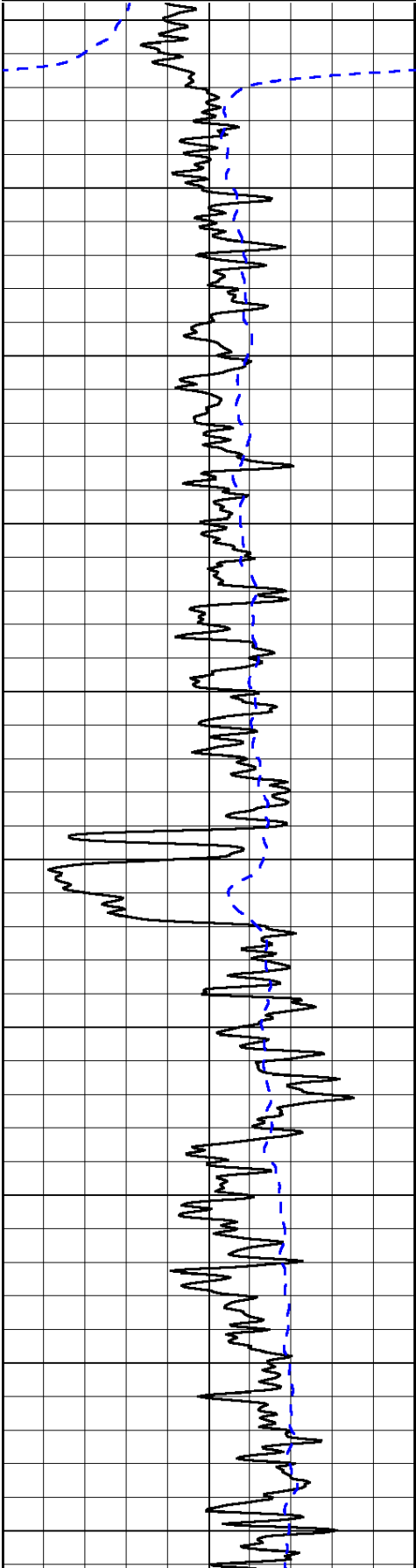
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
785 625 3858

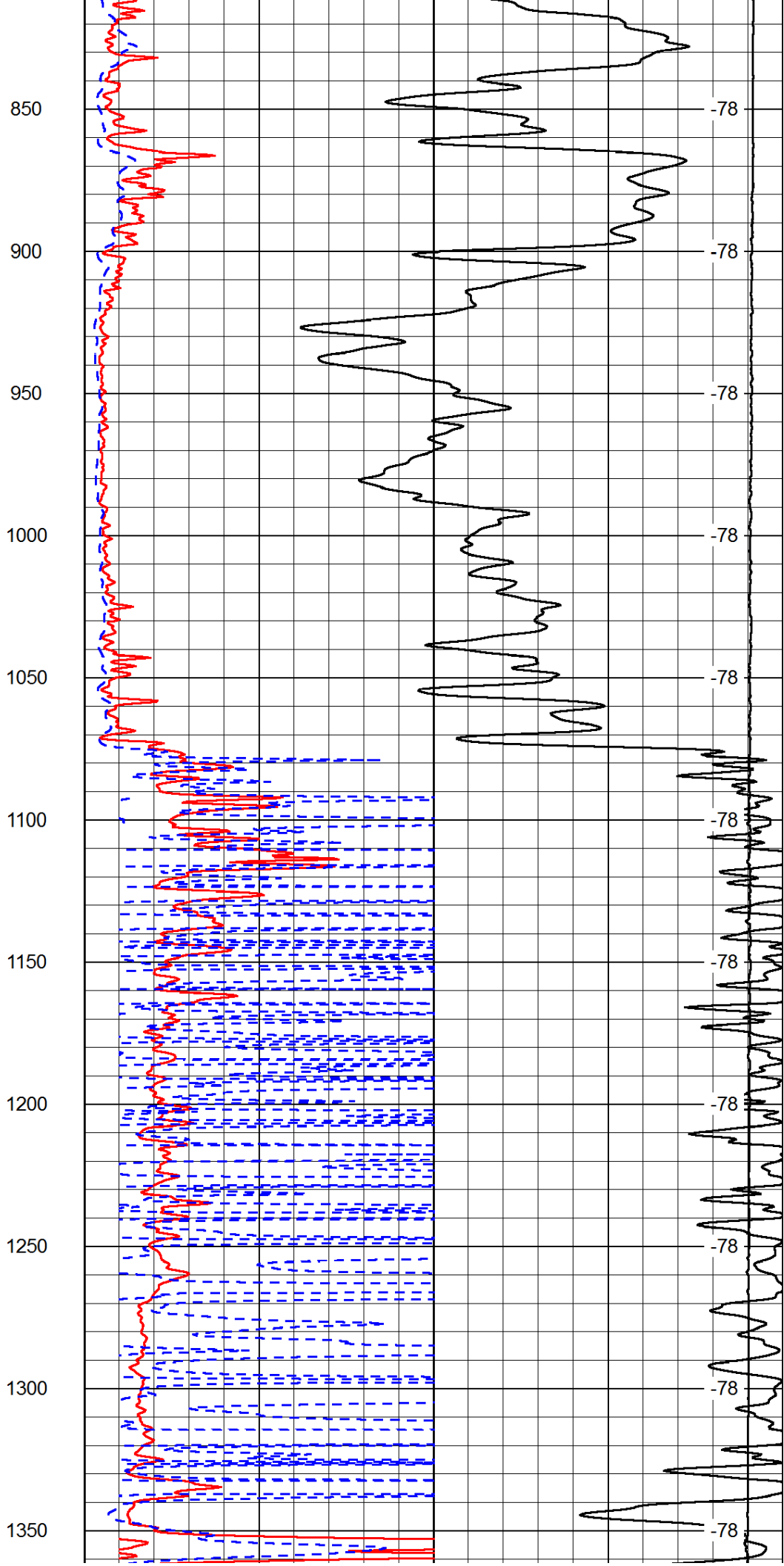
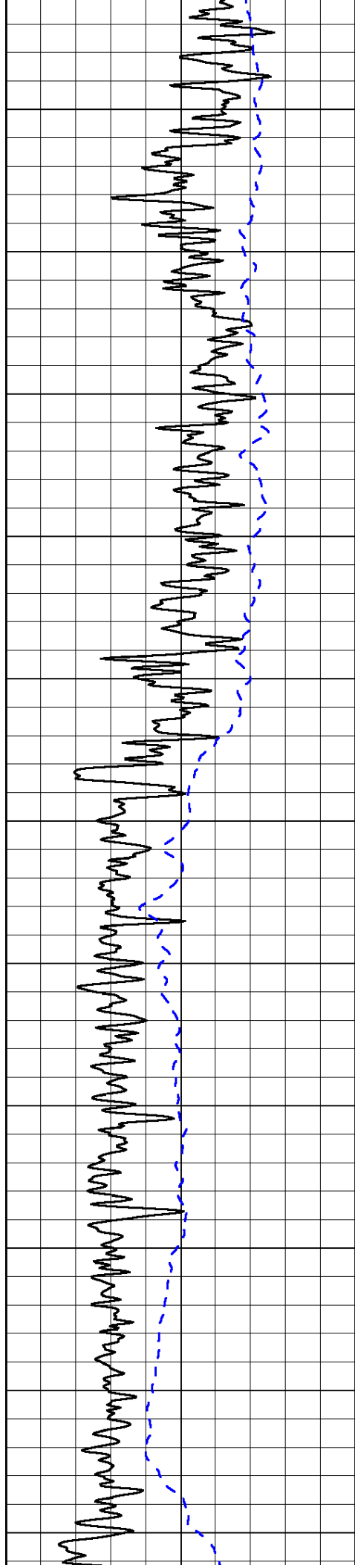
Clafflin, 7 South to NE 40 Road, 1/4 West, North Into

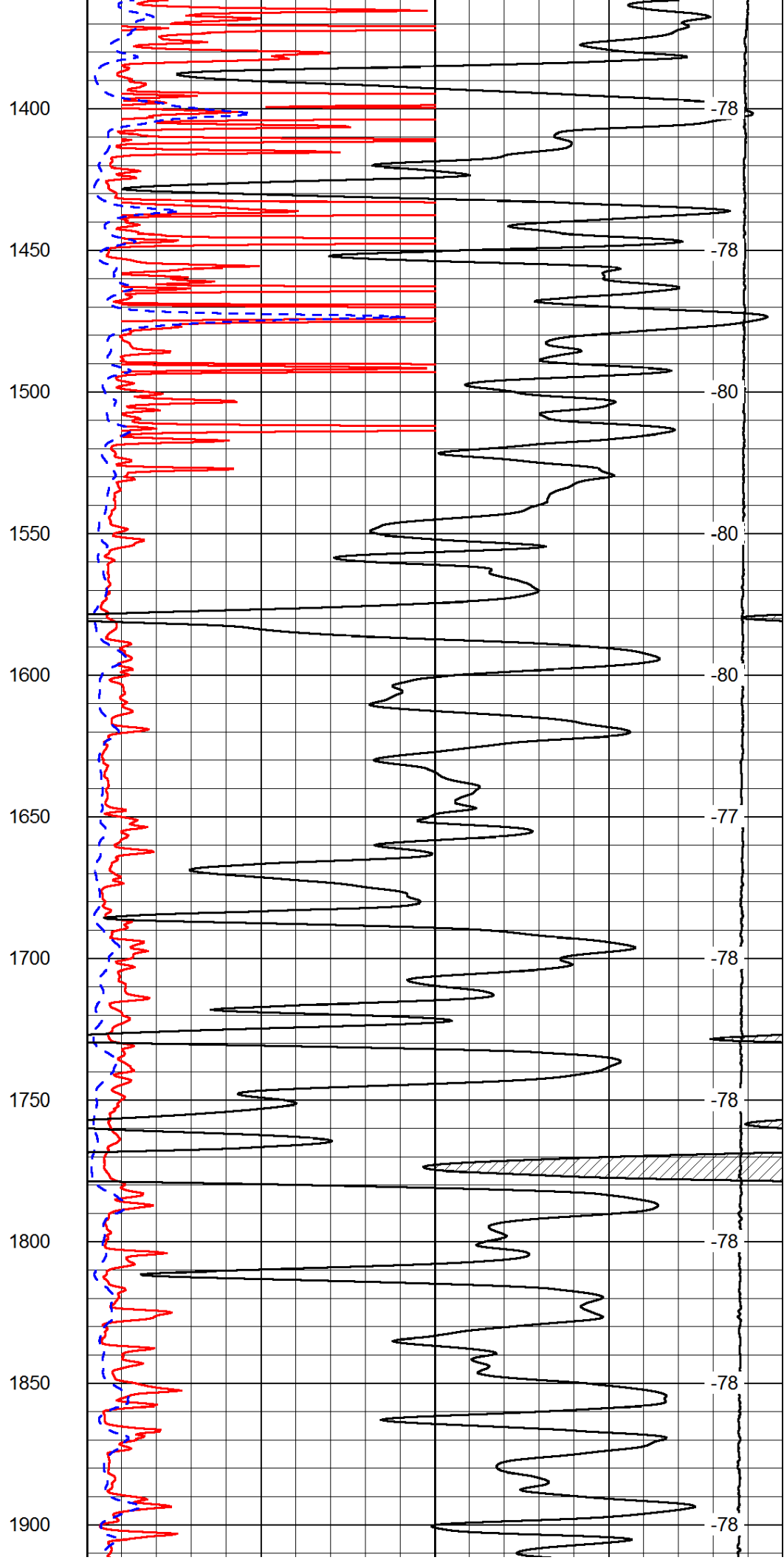
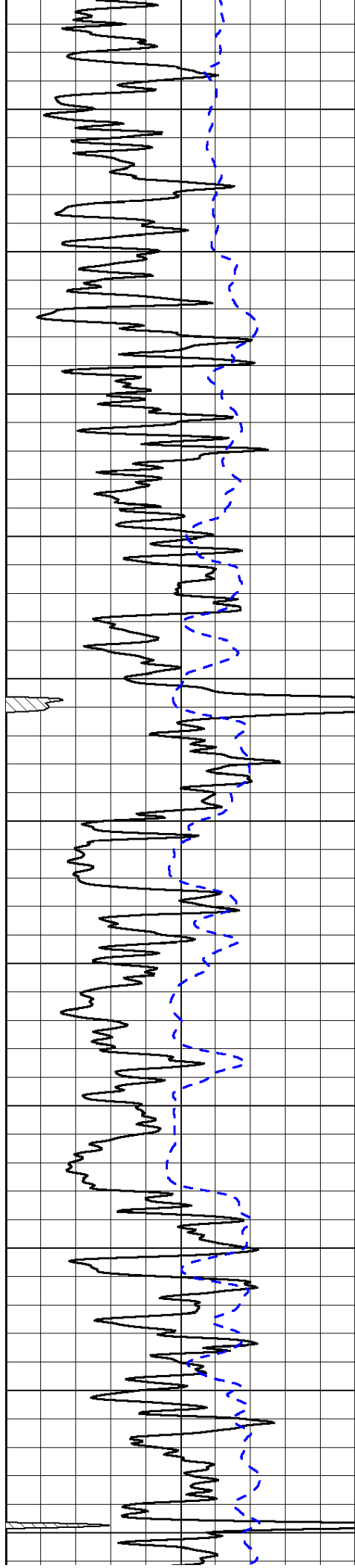
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Dataset Pathname: dil\knstck
Presentation Format: dil2in
Dataset Creation: Mon Apr 14 13:21:40 2014
Charted by: Depth in Feet scaled 1:600

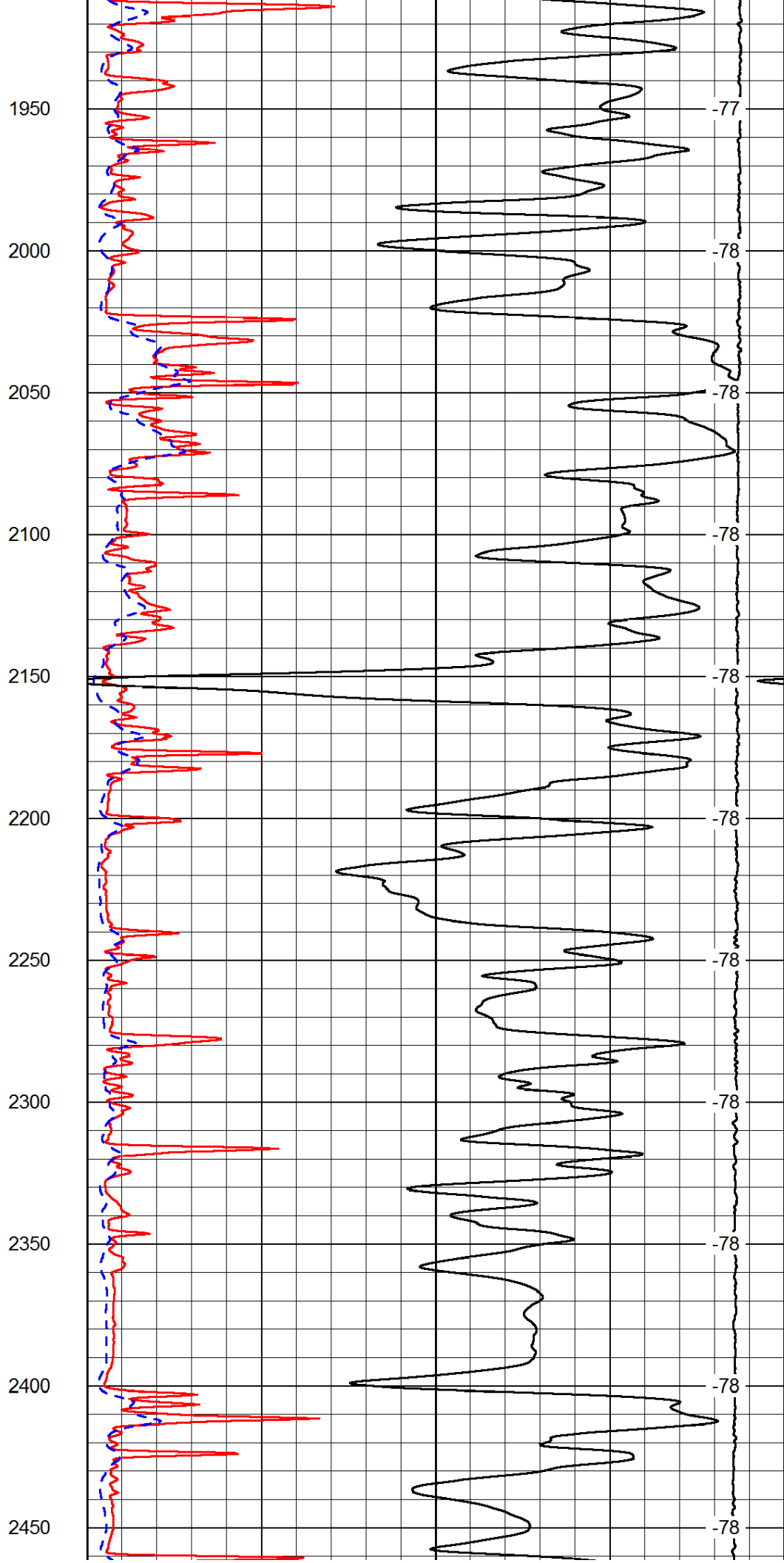
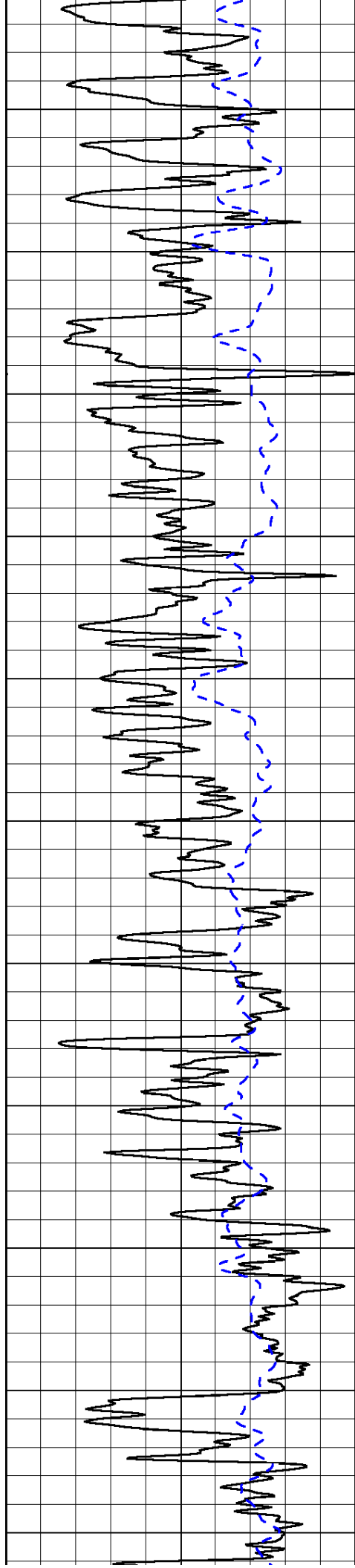
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-200	SP (mV)	0

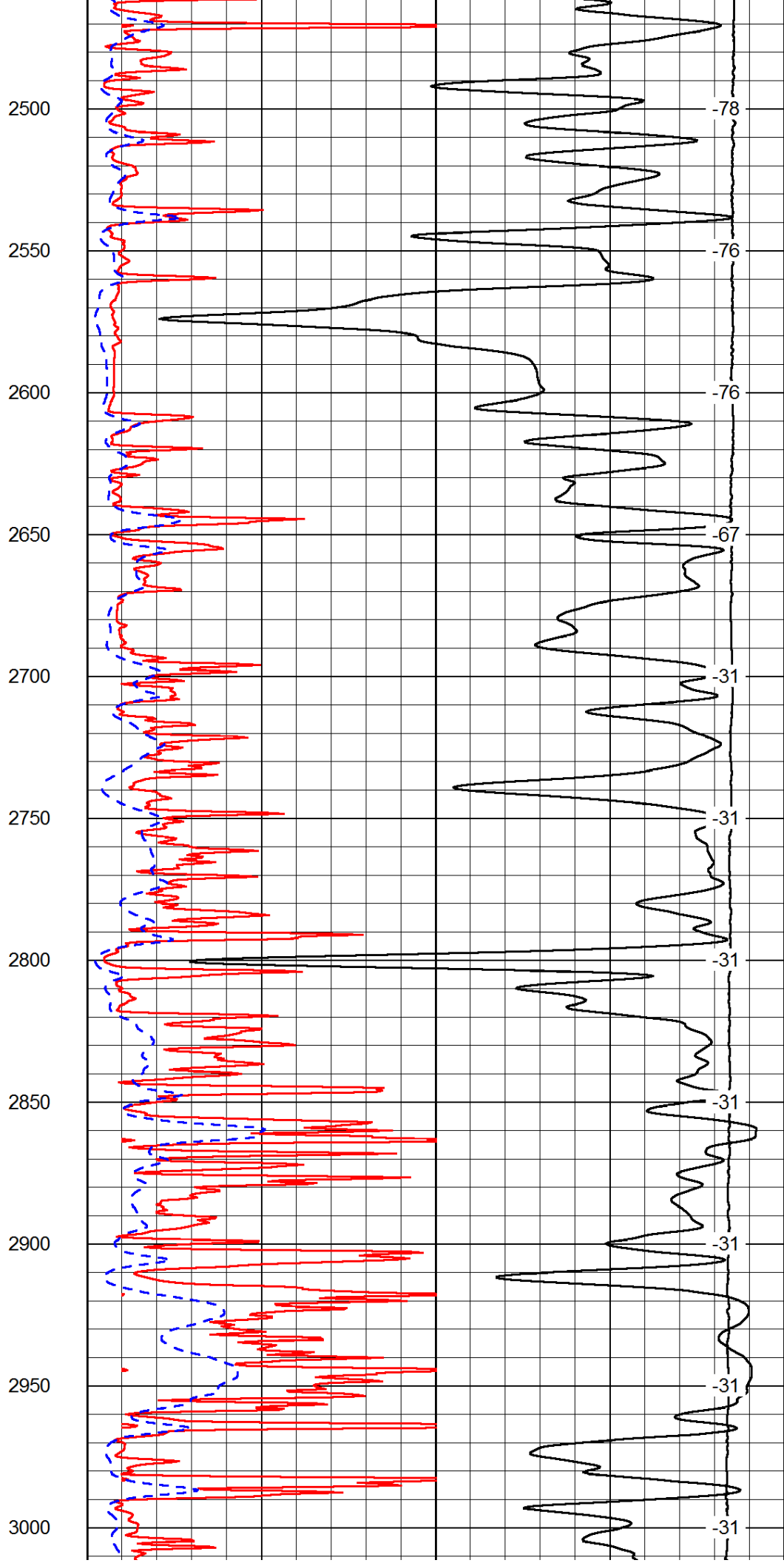
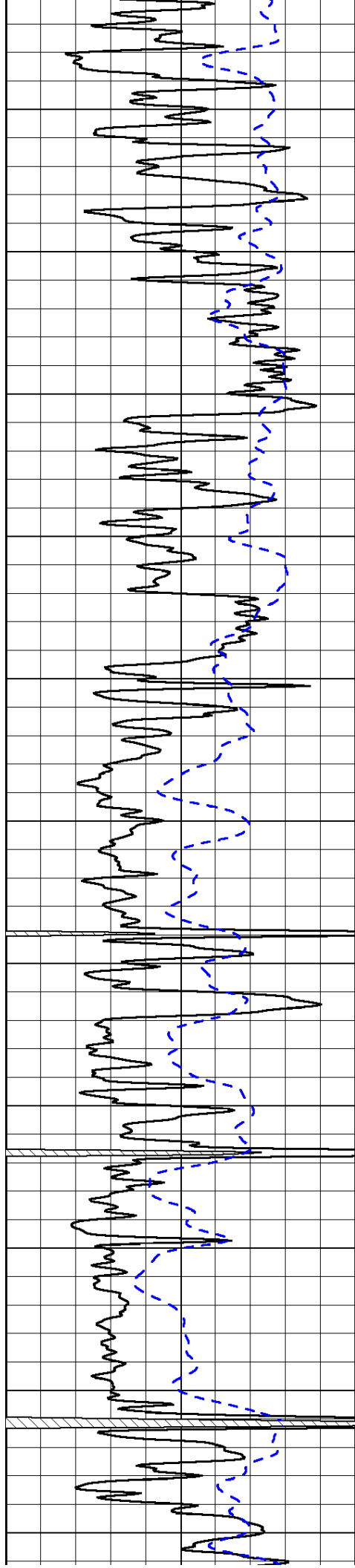
0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

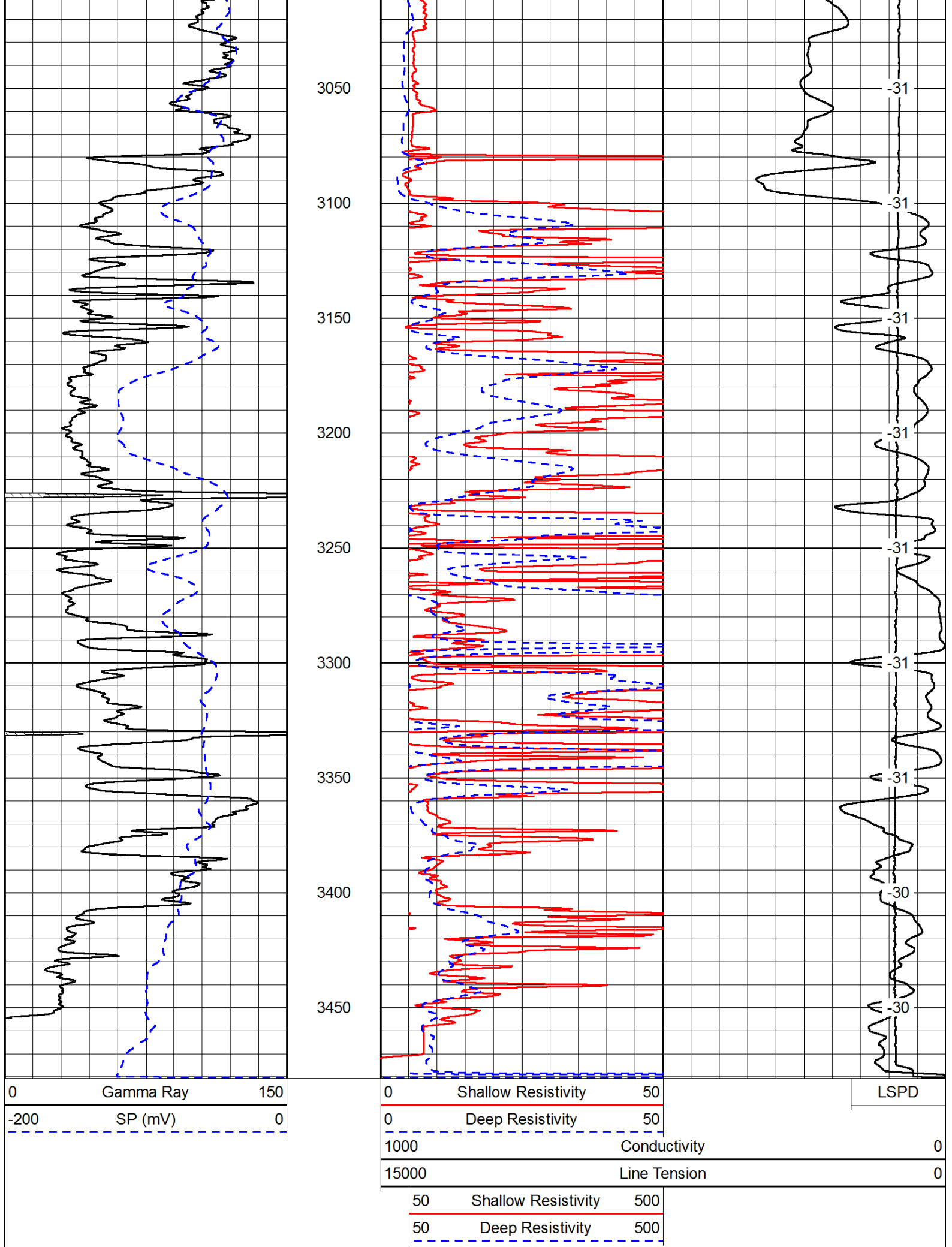










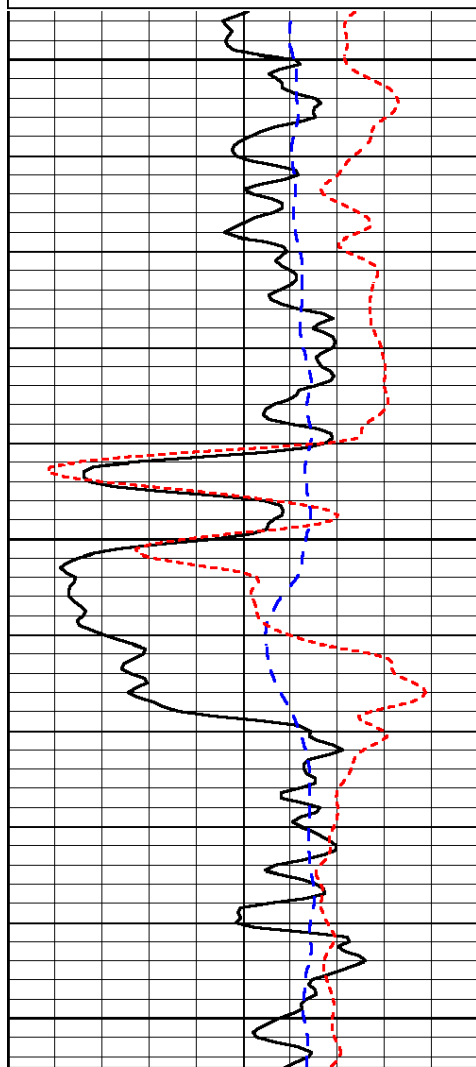


Database File: c:\warrior\data\k&n petroleum_tony klepper #4-1\k&n_tonyklepper_4-1hd.db
 Dataset Pathname: dil/knstck
 Presentation Format: dil
 Dataset Creation: Mon Apr 14 13:21:40 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

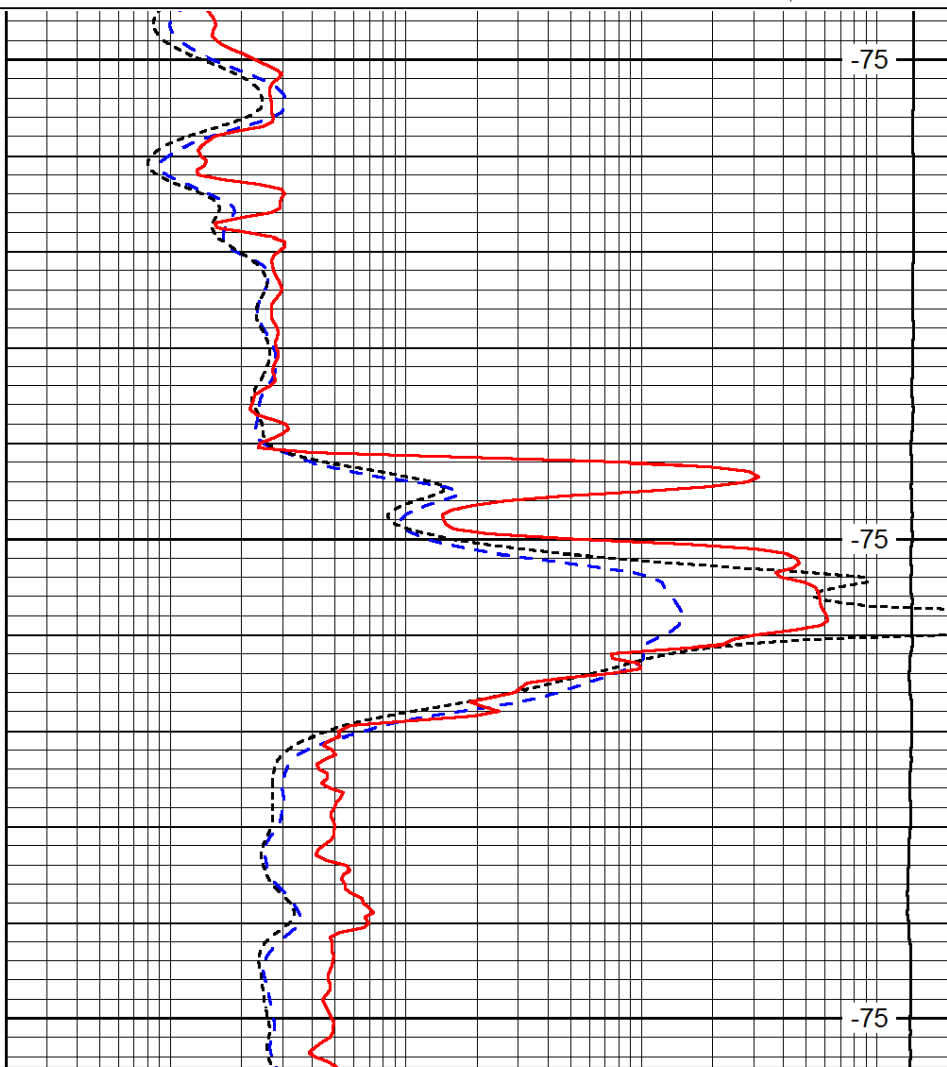
LSPD



550

600

650



-75

-75

-75

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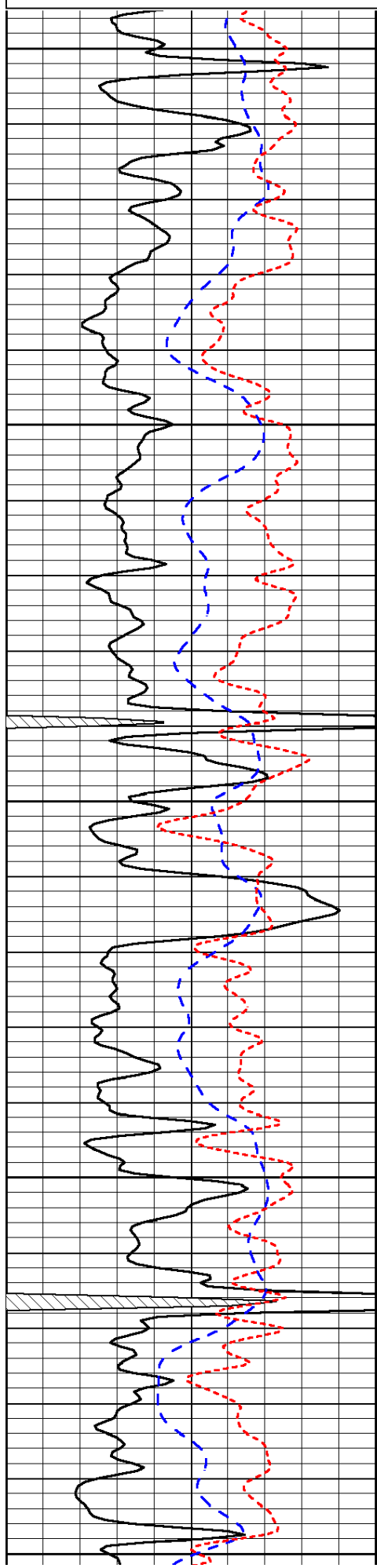
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000

100 1000 40

0.2 Shallow Resistivity 2000

15000 Line Tension 0

LSPD



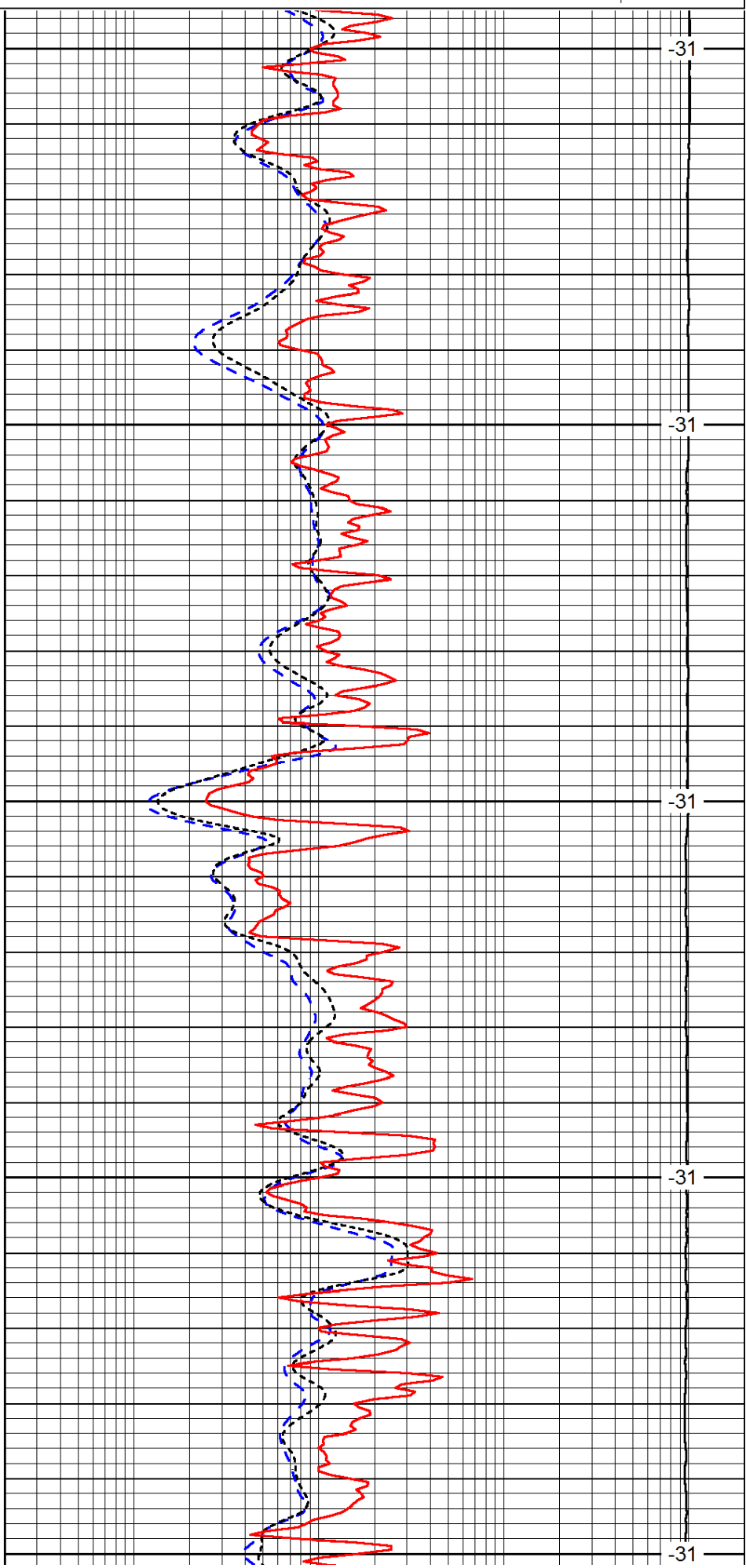
2700

2750

2800

2850

2900



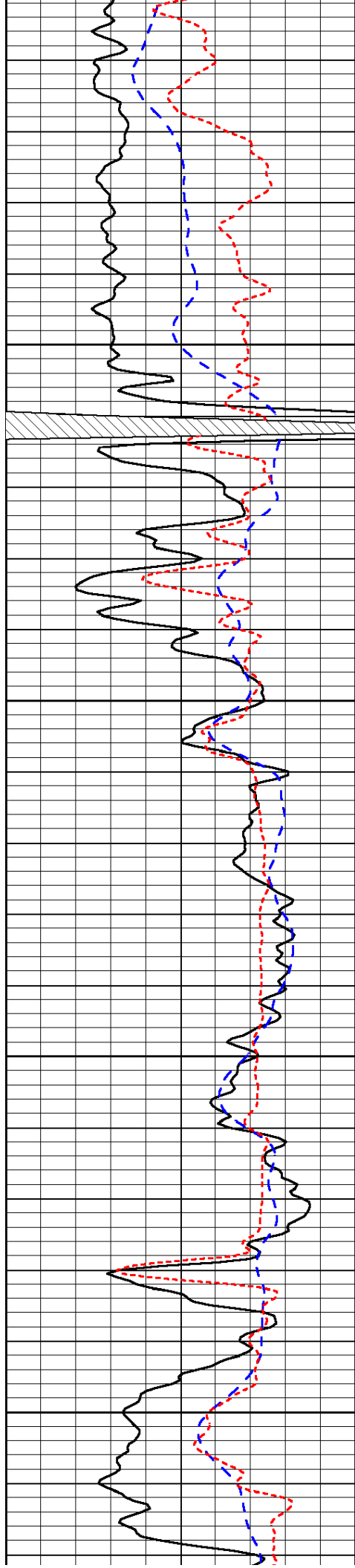
-31

-31

-31

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-31

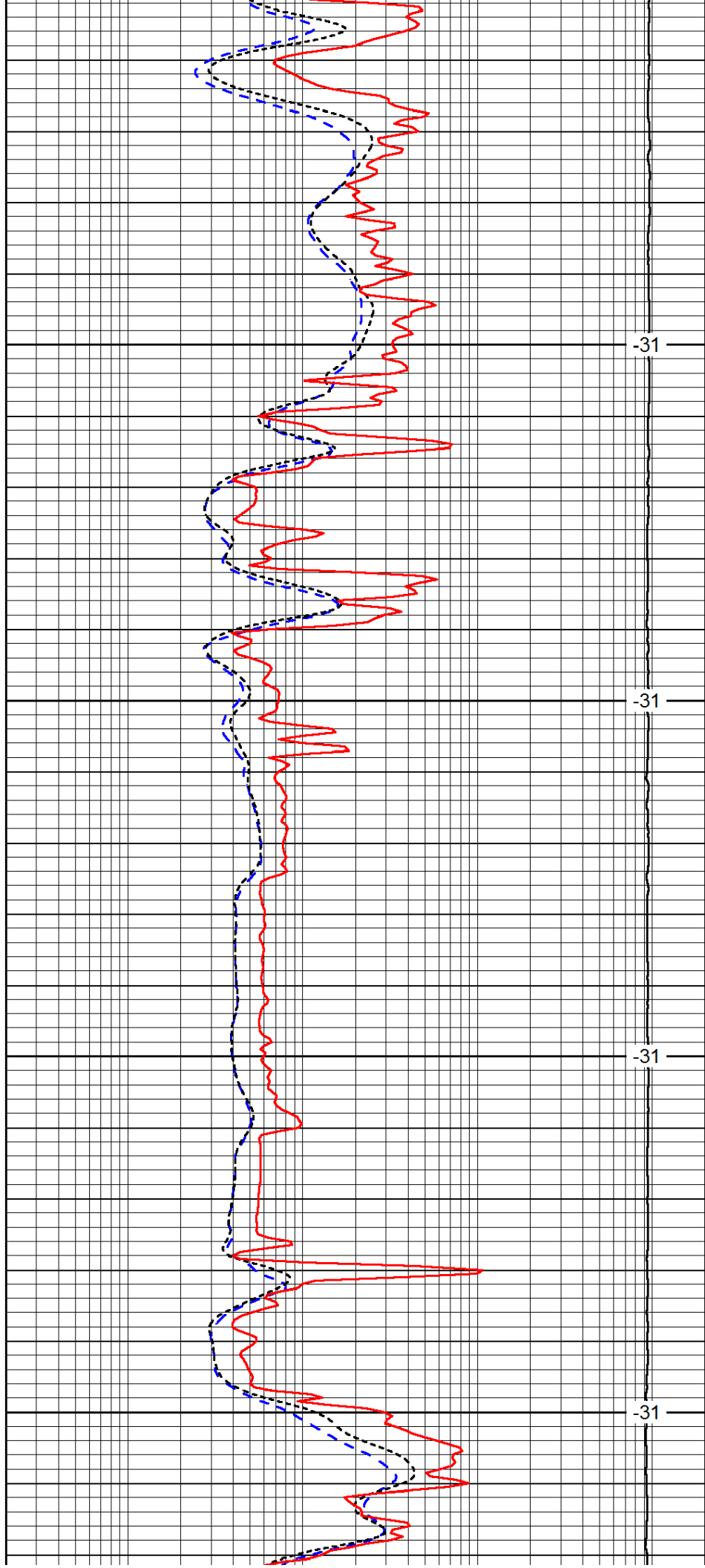


2950

3000

3050

3100

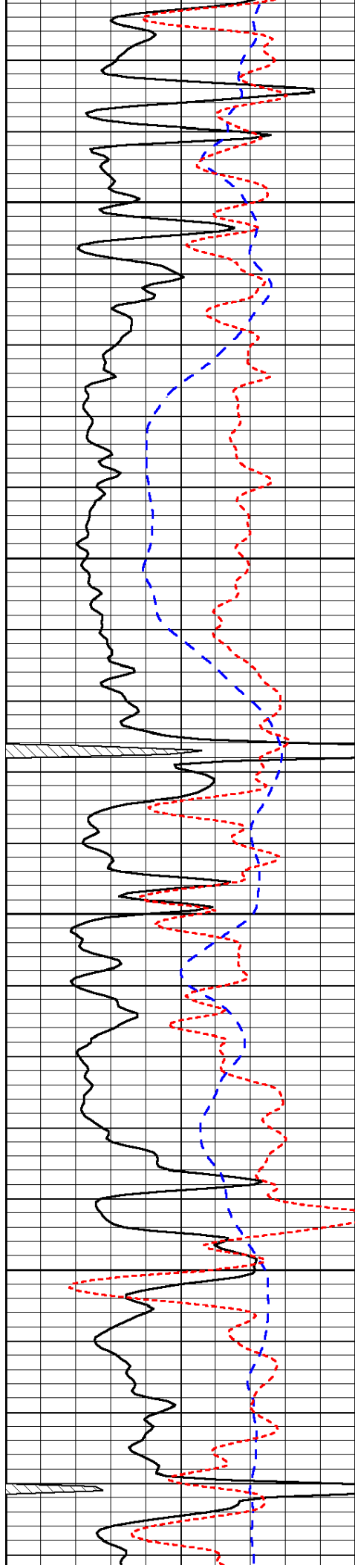


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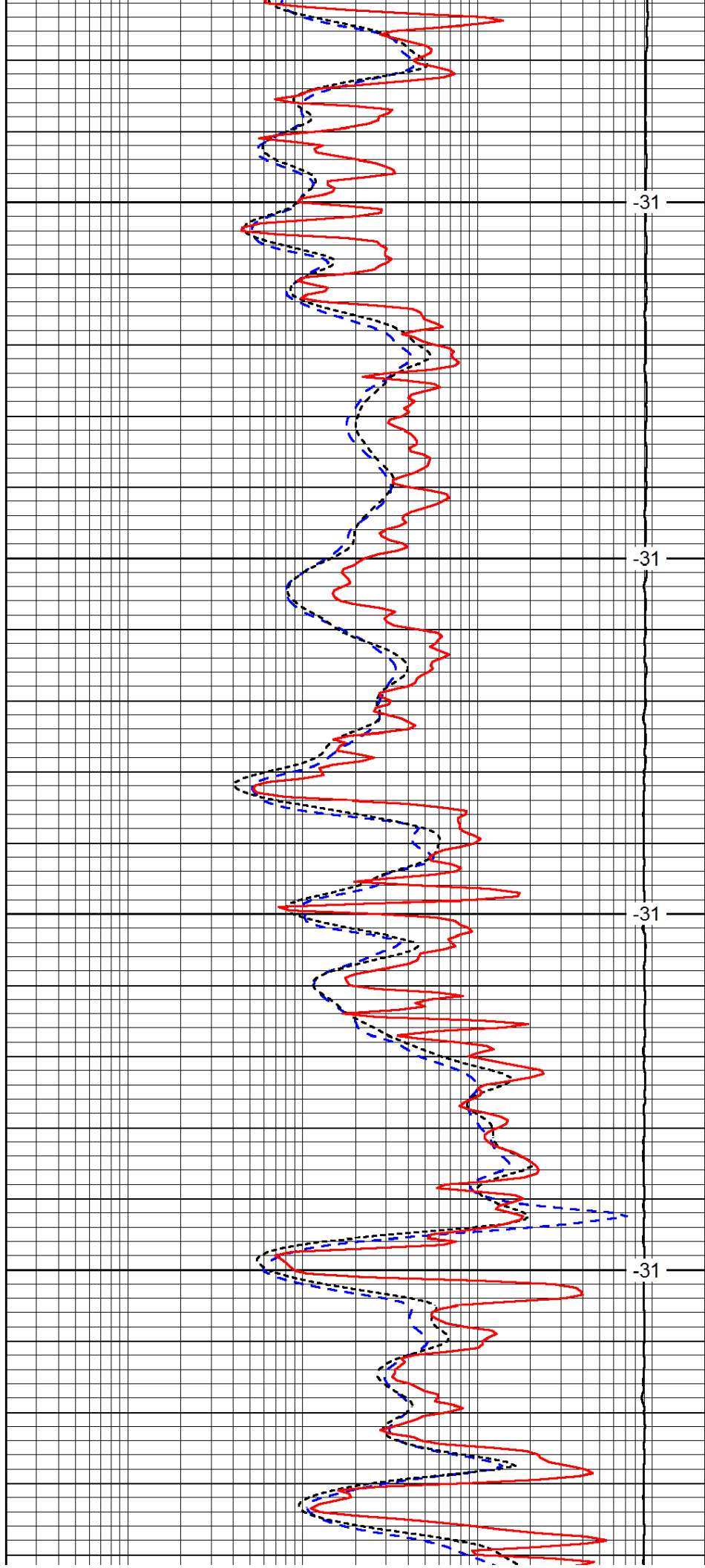


3150

3200

3250

3300

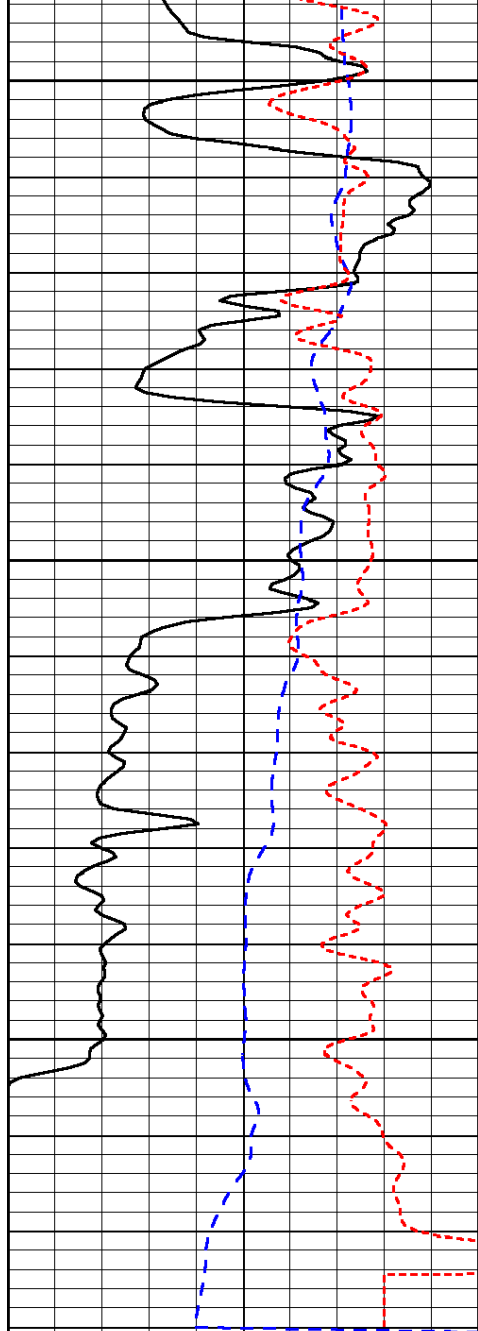


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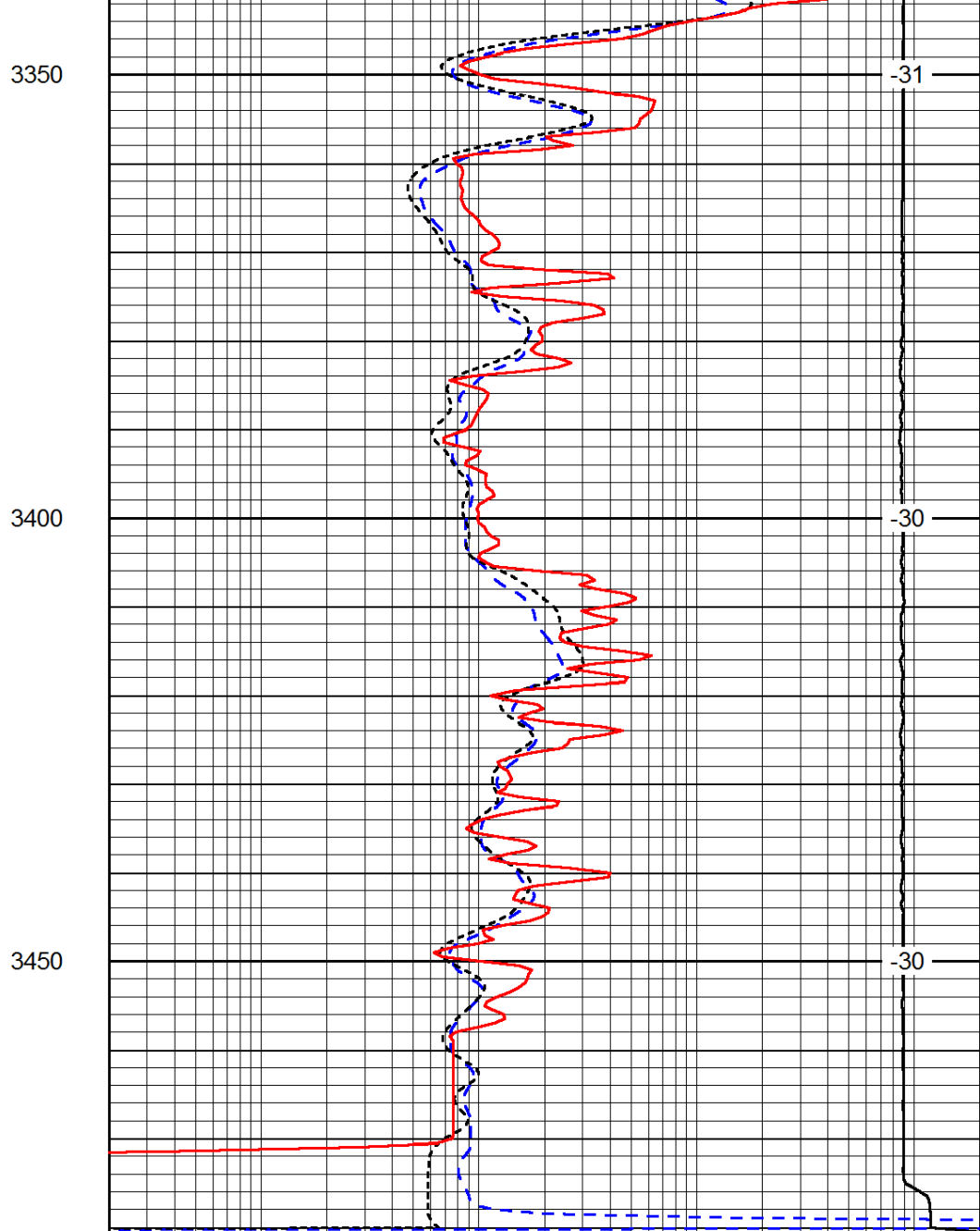
-31

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