



PIONEER

Pioneer Energy Services

Dual Induction Log

API No.

15-185-23,864-00-00

Company L.D. Drilling, Inc.

Well Ivan #1-1

Field Wildcat

County Stafford

State

Kansas

Location 834' FNL & 581' FEL

Sec: 1

Twp: 23S

Rge: 14W

Elevation

Permanent Datum Ground Level Elevation 1925
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1930
D.F. 1925
G.L. 1925

Date

5/22/2014

Run Number

One

Depth Driller

3942

Depth Logger

3940

Bottom Logged Interval

3939

Top Log Interval

300

Casing Driller

8.625 @ 322

Casing Logger

323

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

15,400

Density / Viscosity

9.0 44

pH / Fluid Loss

9.5 16.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.15 @ 80

Rmf @ Meas. Temp

0.11 @ 80

Rmc @ Meas. Temp

0.20 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

0.10 @ 115

Operating Rig Time

4 Hours

Max Rec. Temp. F

115

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

Kim Shoemaker

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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

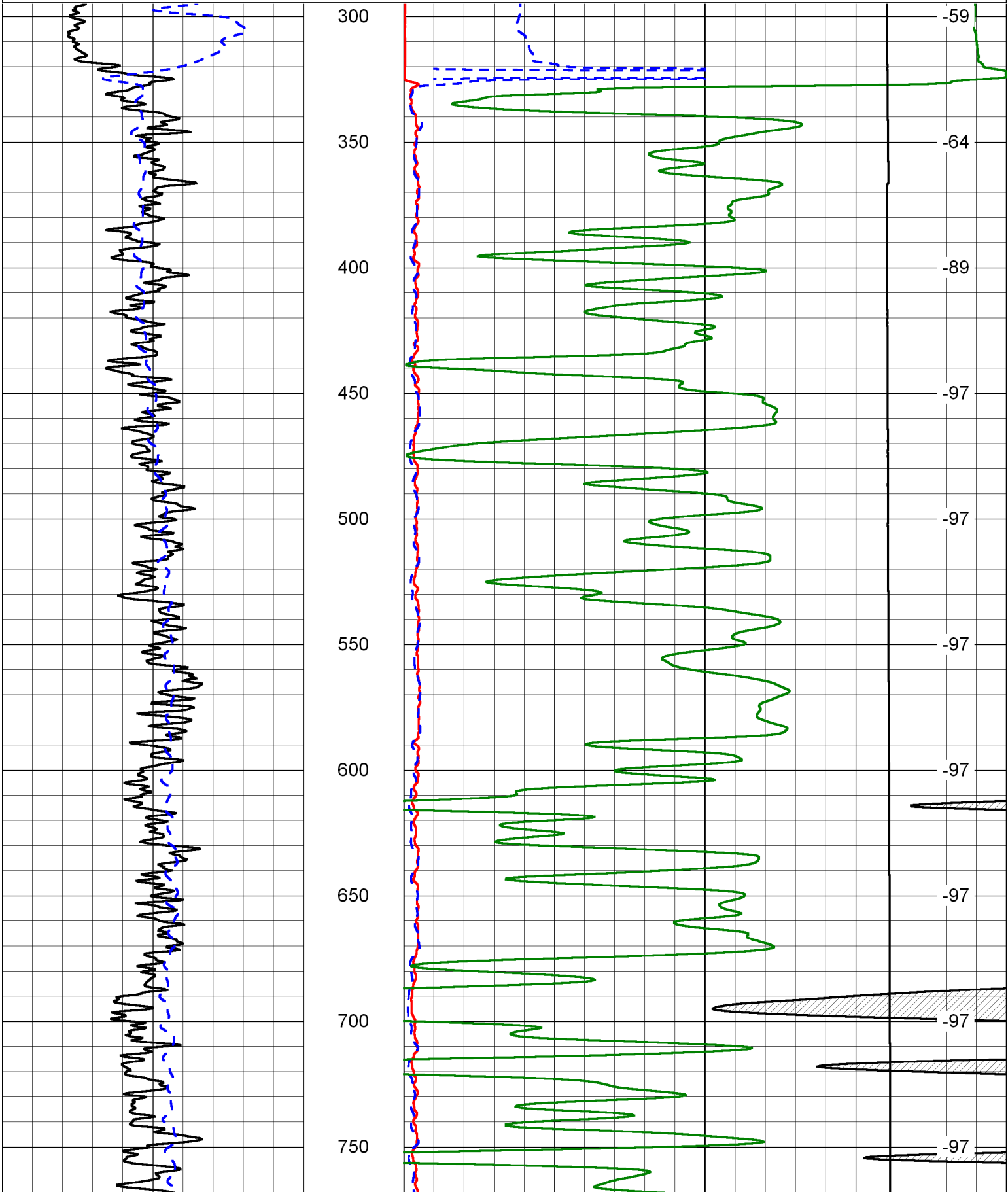
Thank you for using Log-Tech, Inc.
(785) 625-3858

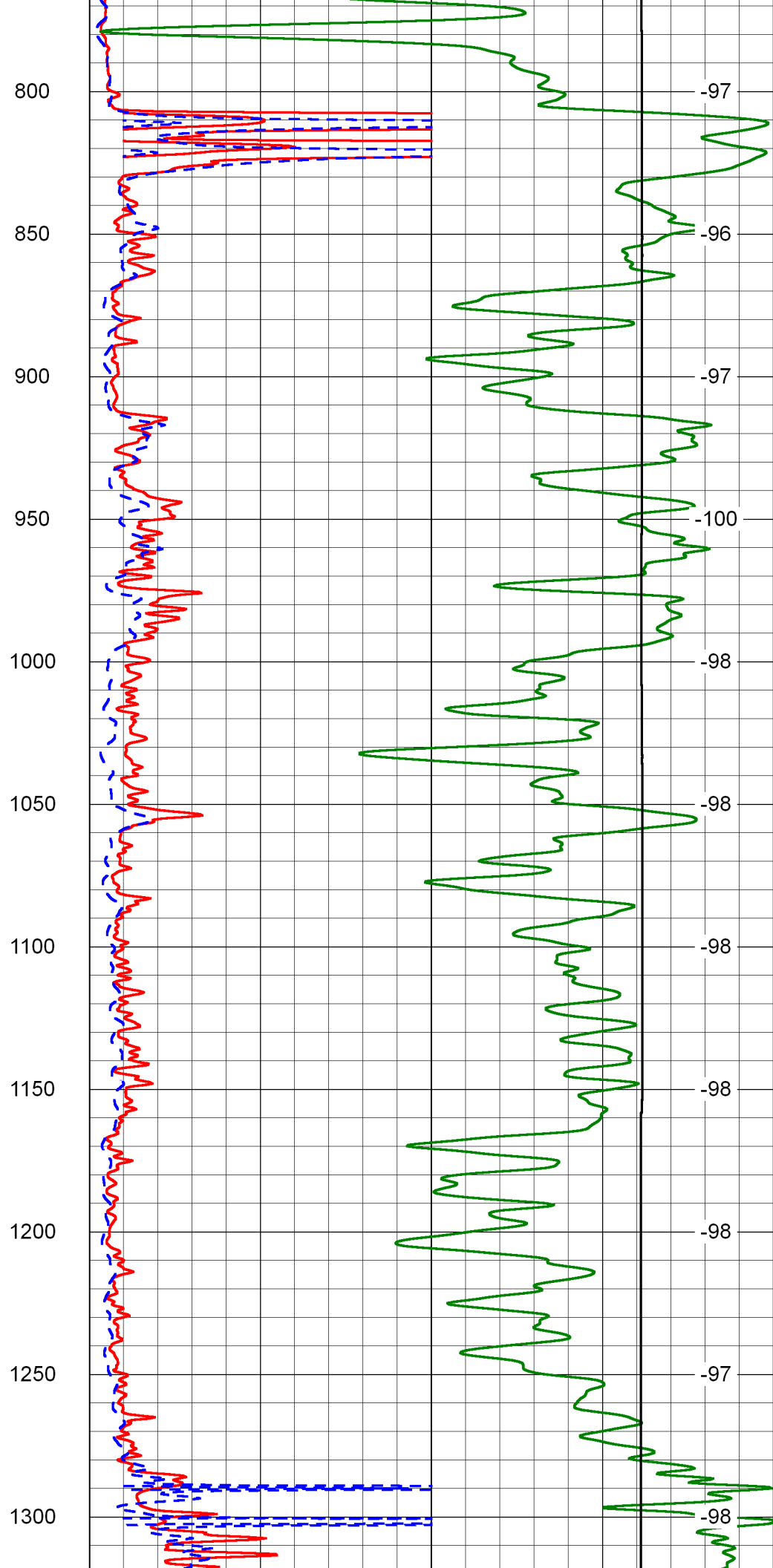
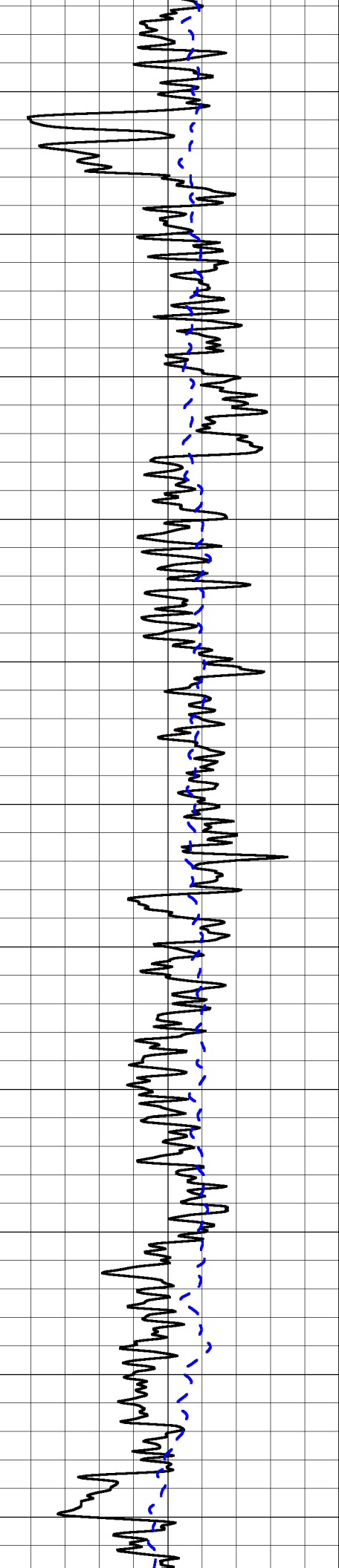
Great Bend KS, 17 South to 90 RD,
3 West, South Into

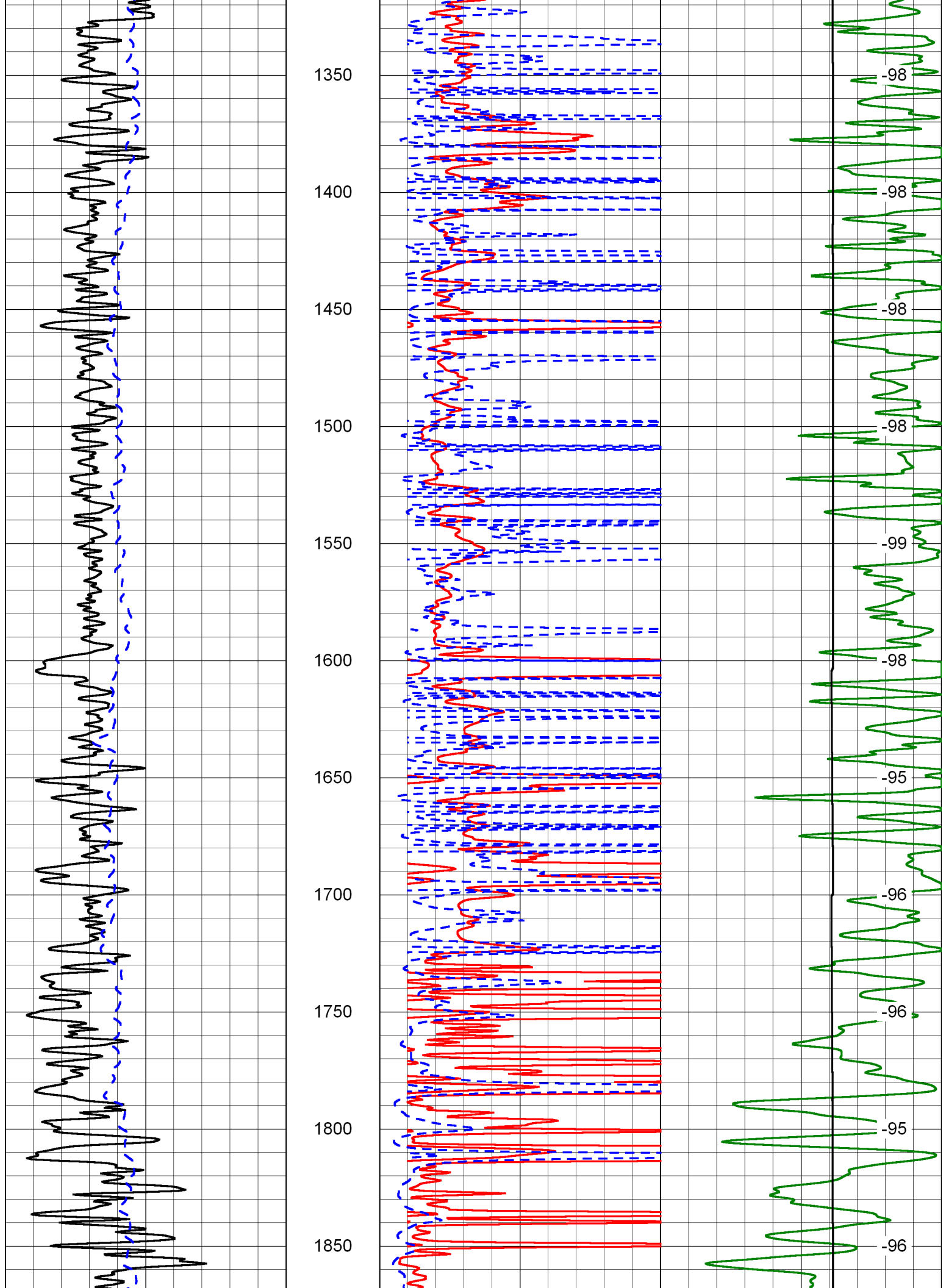
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Dataset Pathname: DIL/ldstk
Presentation Format: dil2in
Dataset Creation: Thu May 22 15:40:24 2014
Charted by: Depth in Feet scaled 1:600

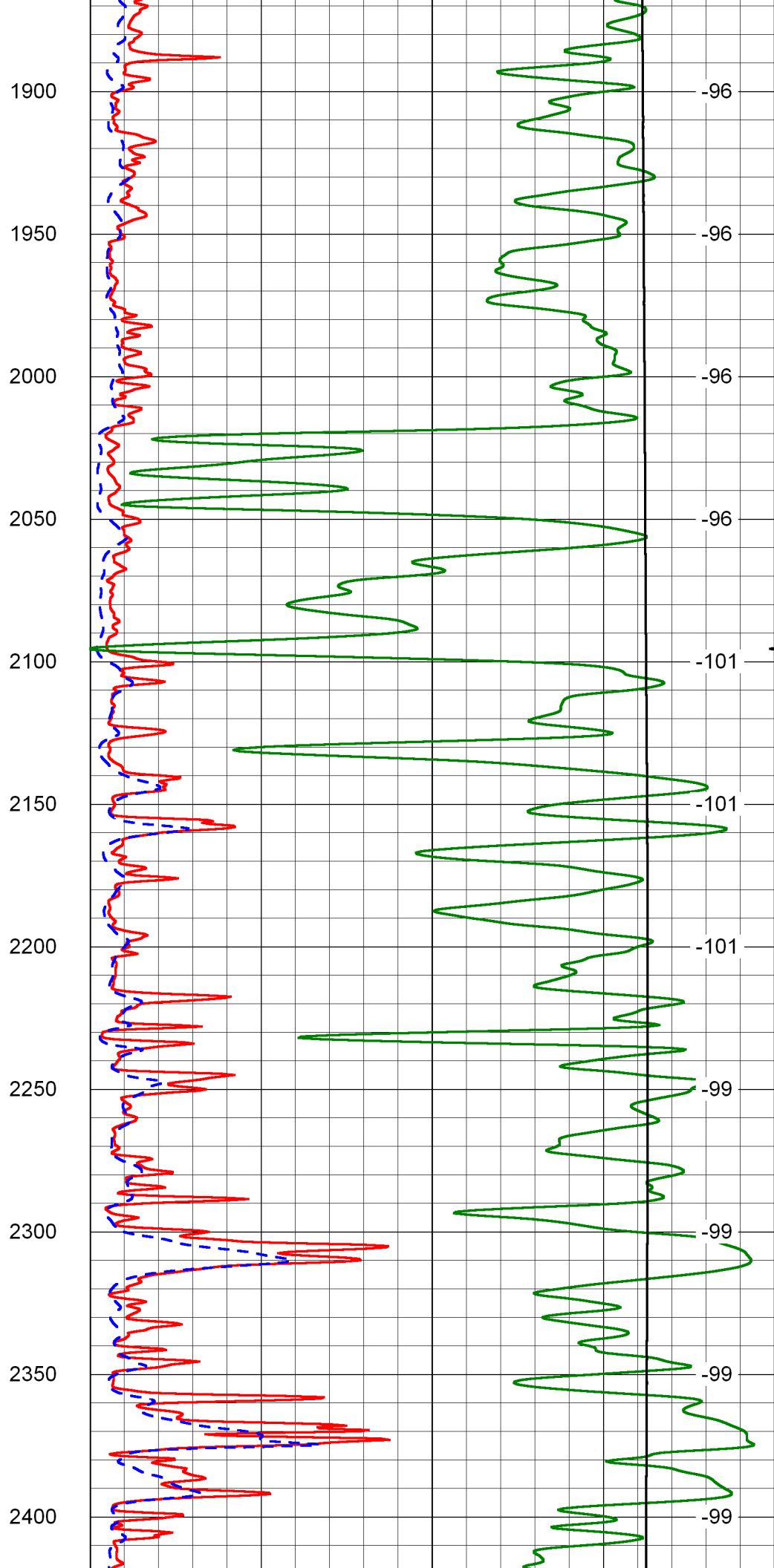
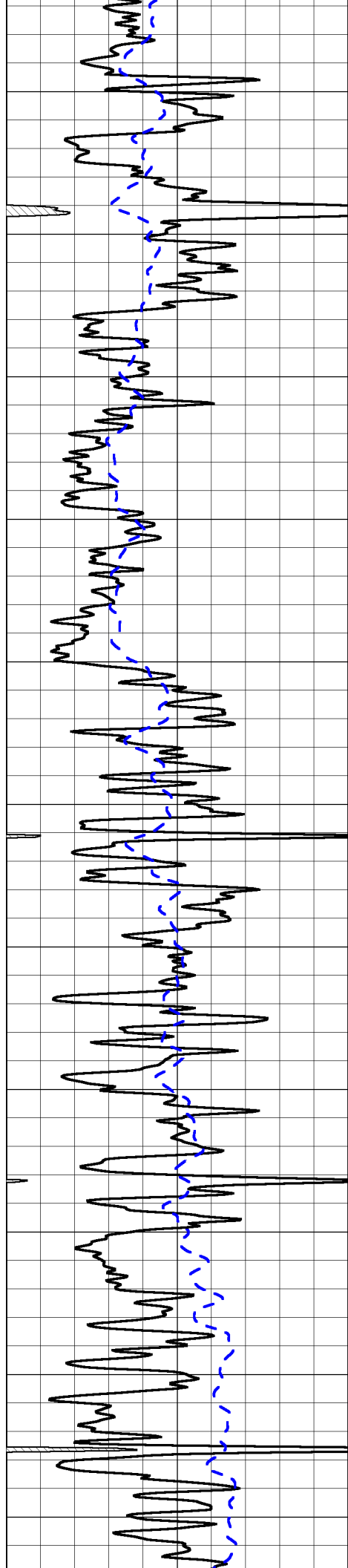
0	Gamma Ray	150
-200	SP (mV)	0

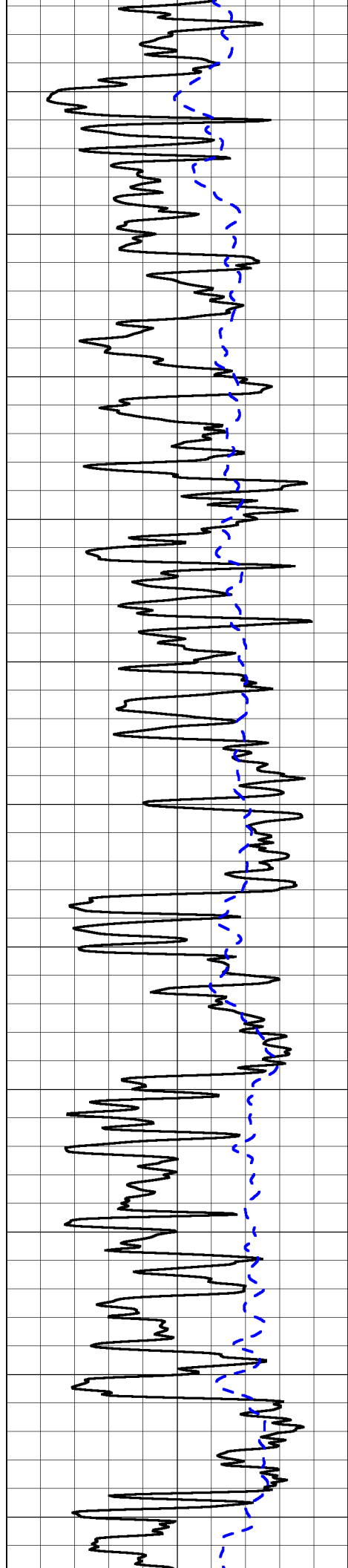
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500



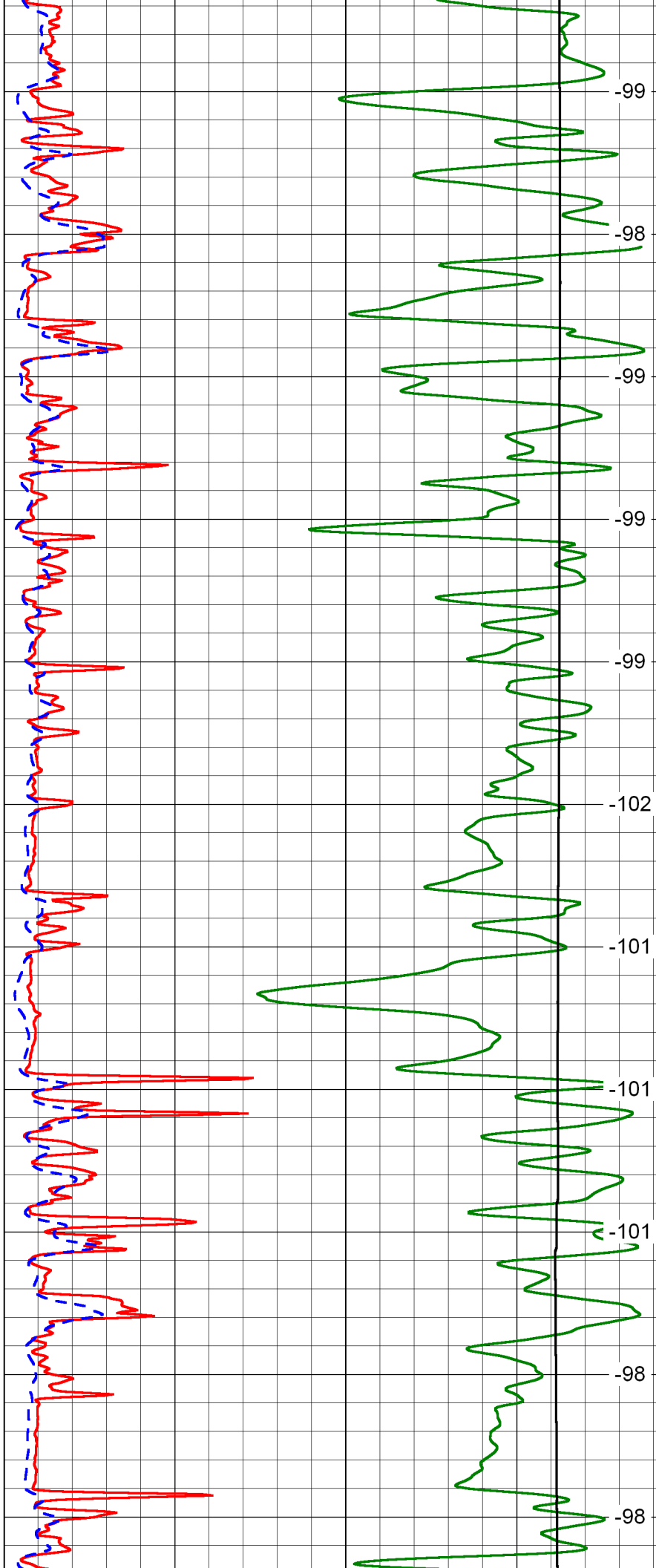


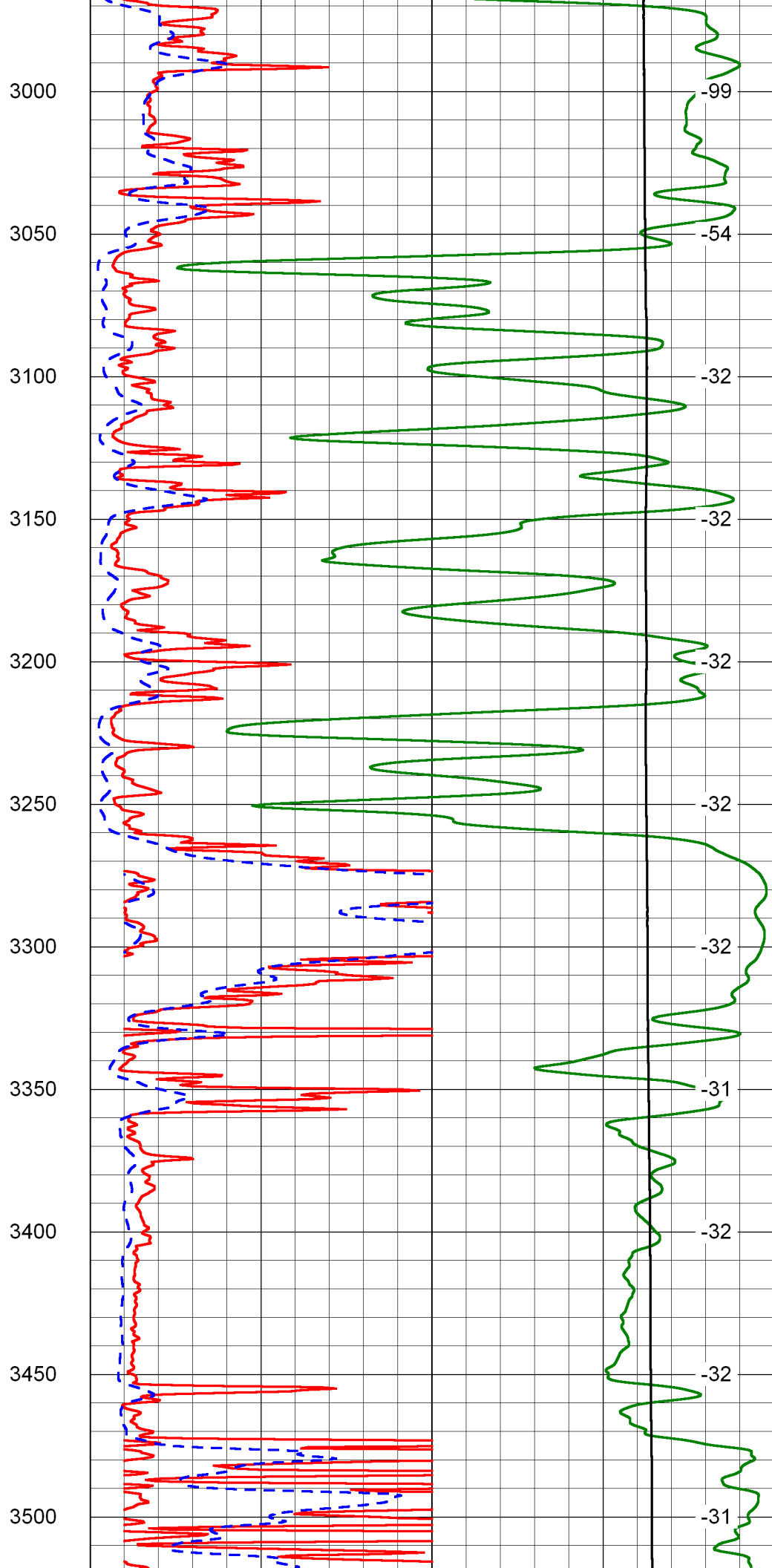
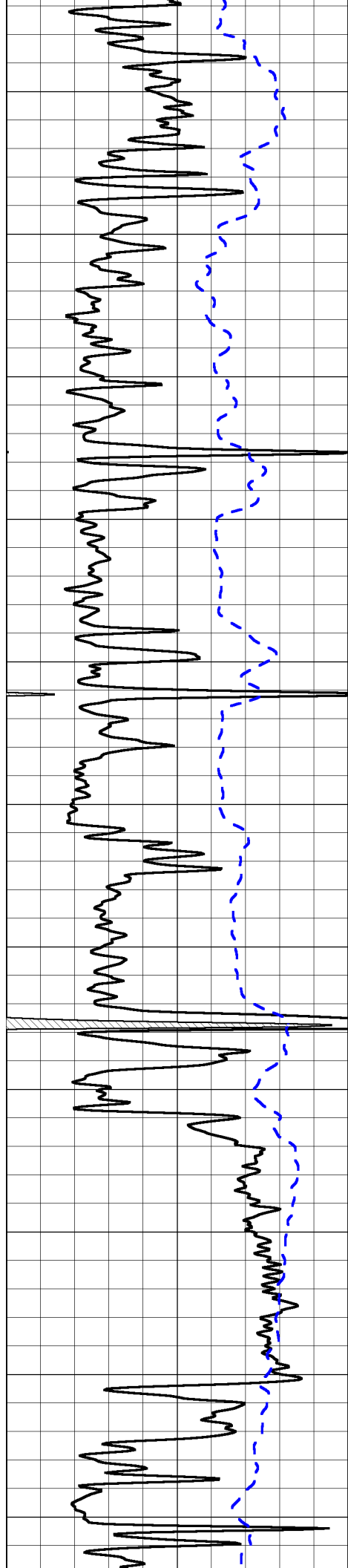


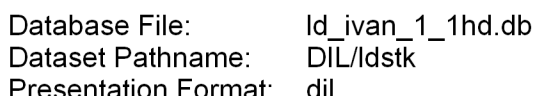




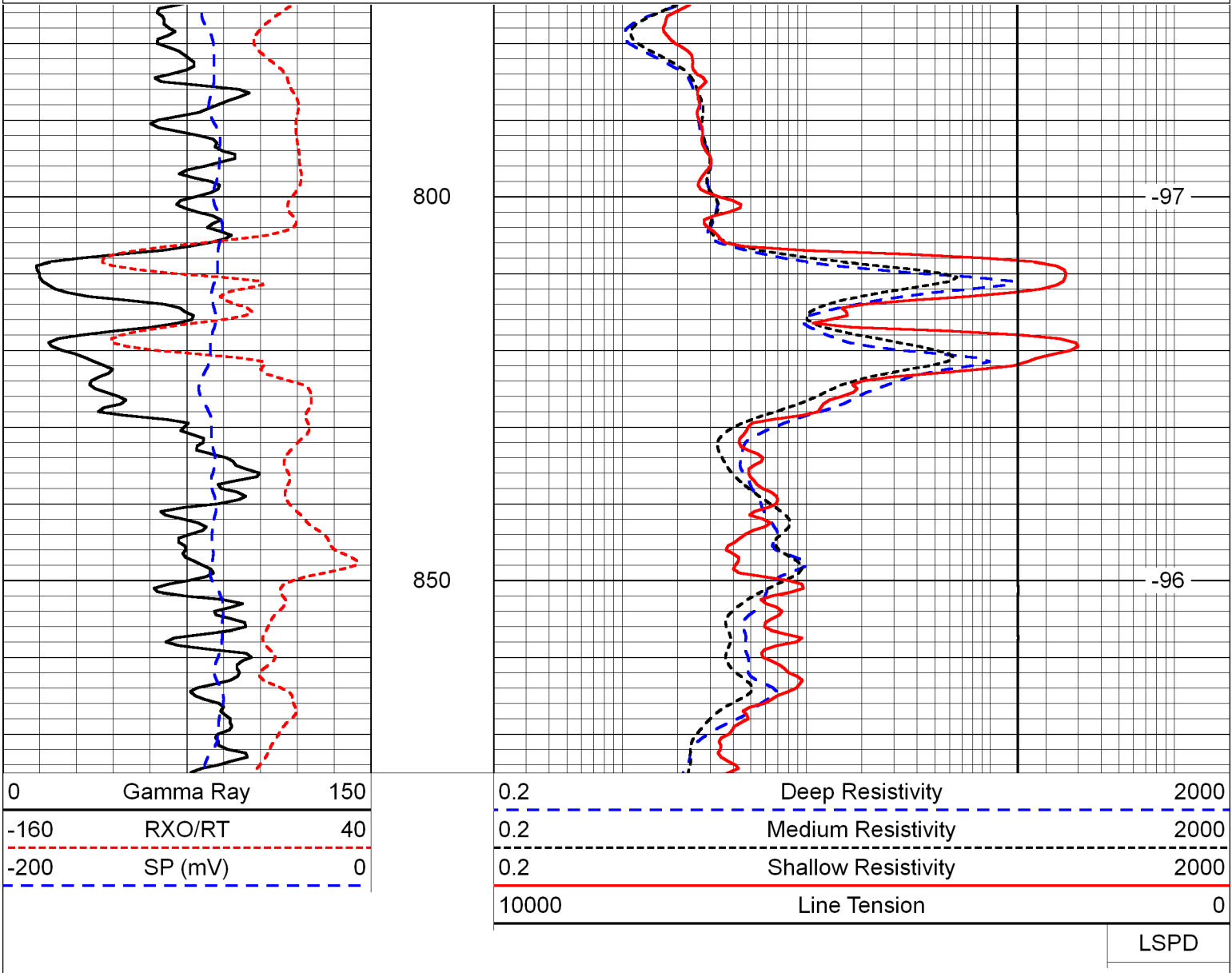
2450
2500
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2600
2650
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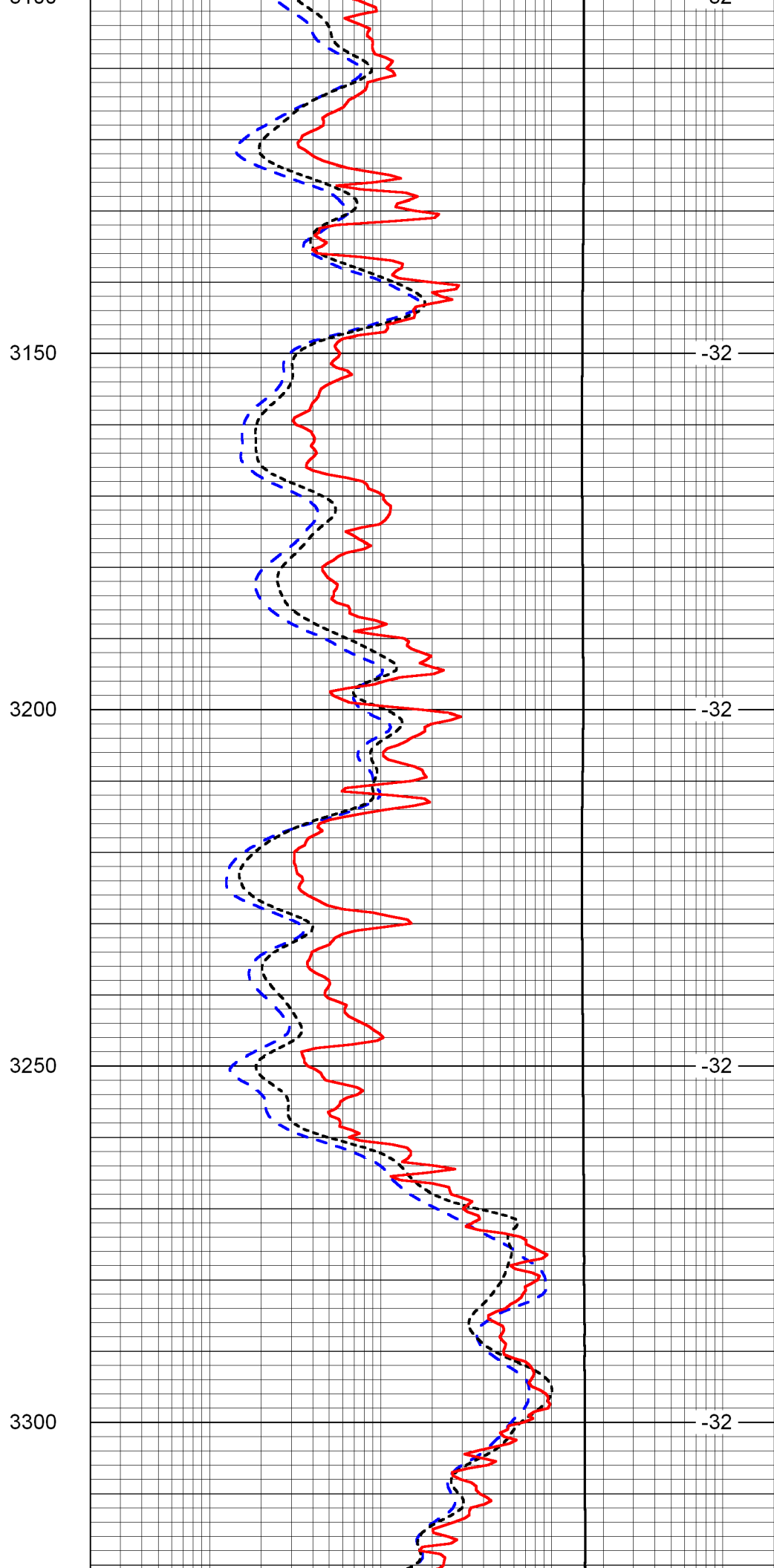
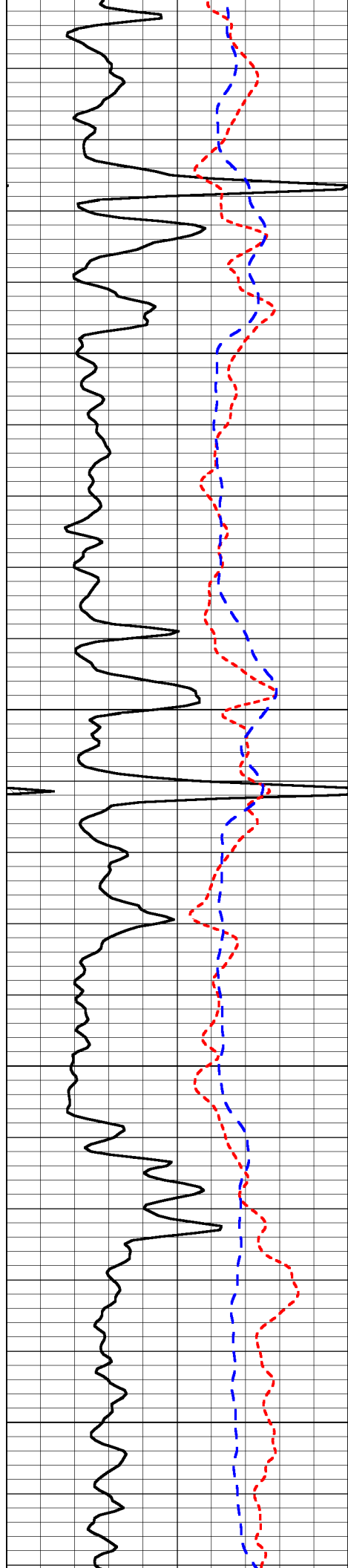


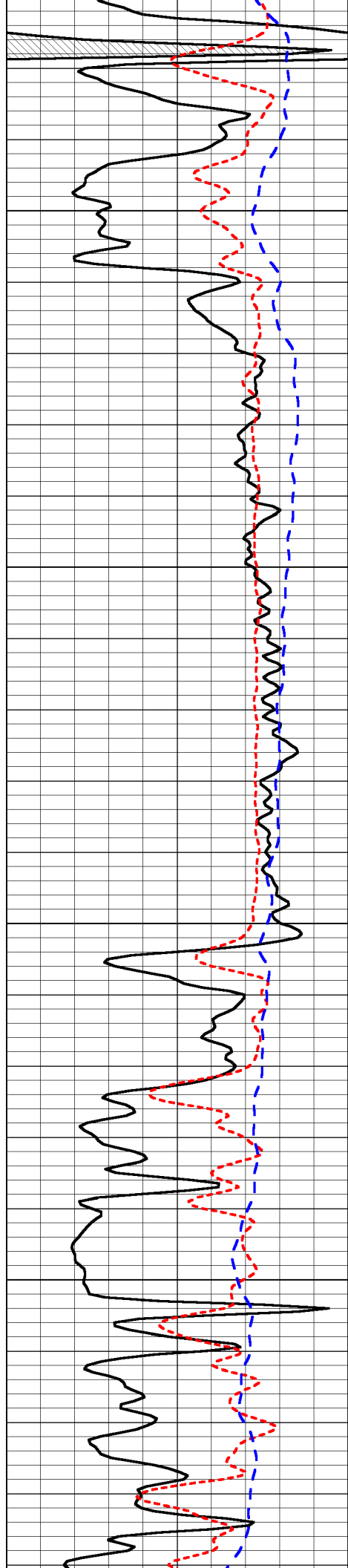


Presentation Format: dil			Thu May 22 15:40:24 2014		
Dataset Creation:			Depth in Feet scaled 1:240		
Charted by:					
0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RXO/RT	40	0.2	Medium Resistivity	2000
-200	SP (mV)	0	0.2	Shallow Resistivity	2000
			10000	Line Tension	0
					LSPD



Database File: Id_ivan_1_1hd.db					
Dataset Pathname: DIL/ldstk					
Presentation Format: dil					
Dataset Creation: Thu May 22 15:40:24 2014					
Charted by: Depth in Feet scaled 1:240					
0	Gamma Ray	150	0.2	Deep Resistivity	2000
-160	RXO/RT	40	0.2	Medium Resistivity	2000
-200	SP (mV)	0	0.2	Shallow Resistivity	2000
			10000	Line Tension	0
					LSPD



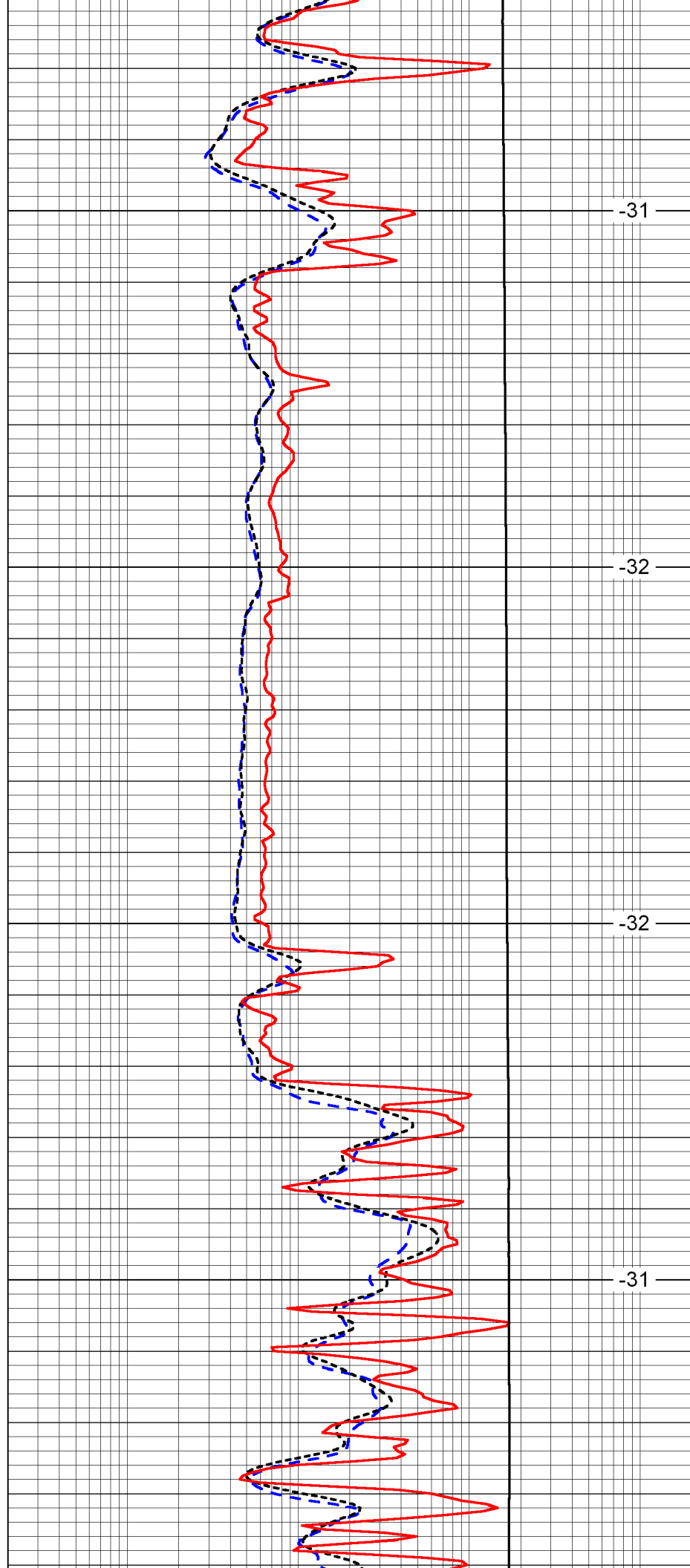


3350

3400

3450

3500

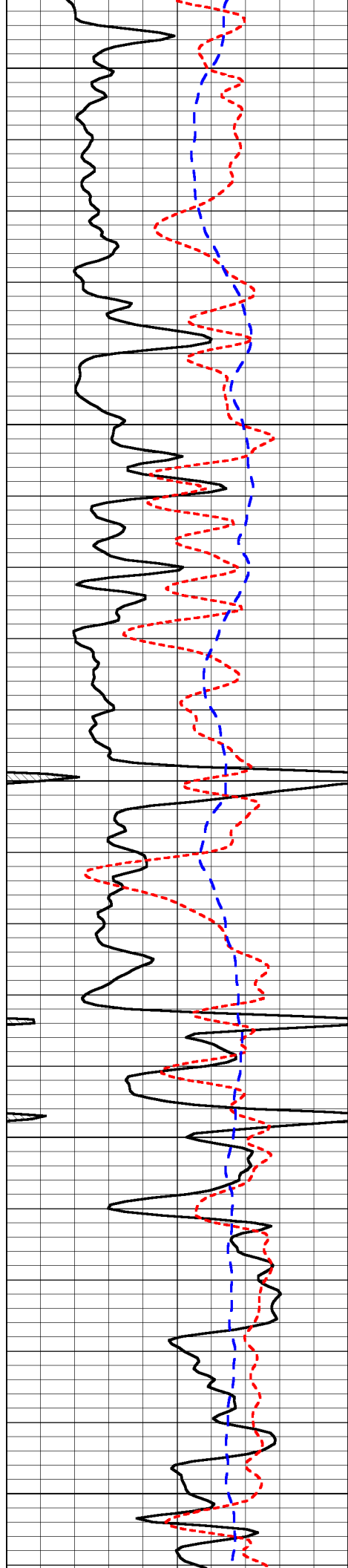


-31

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-32

-31



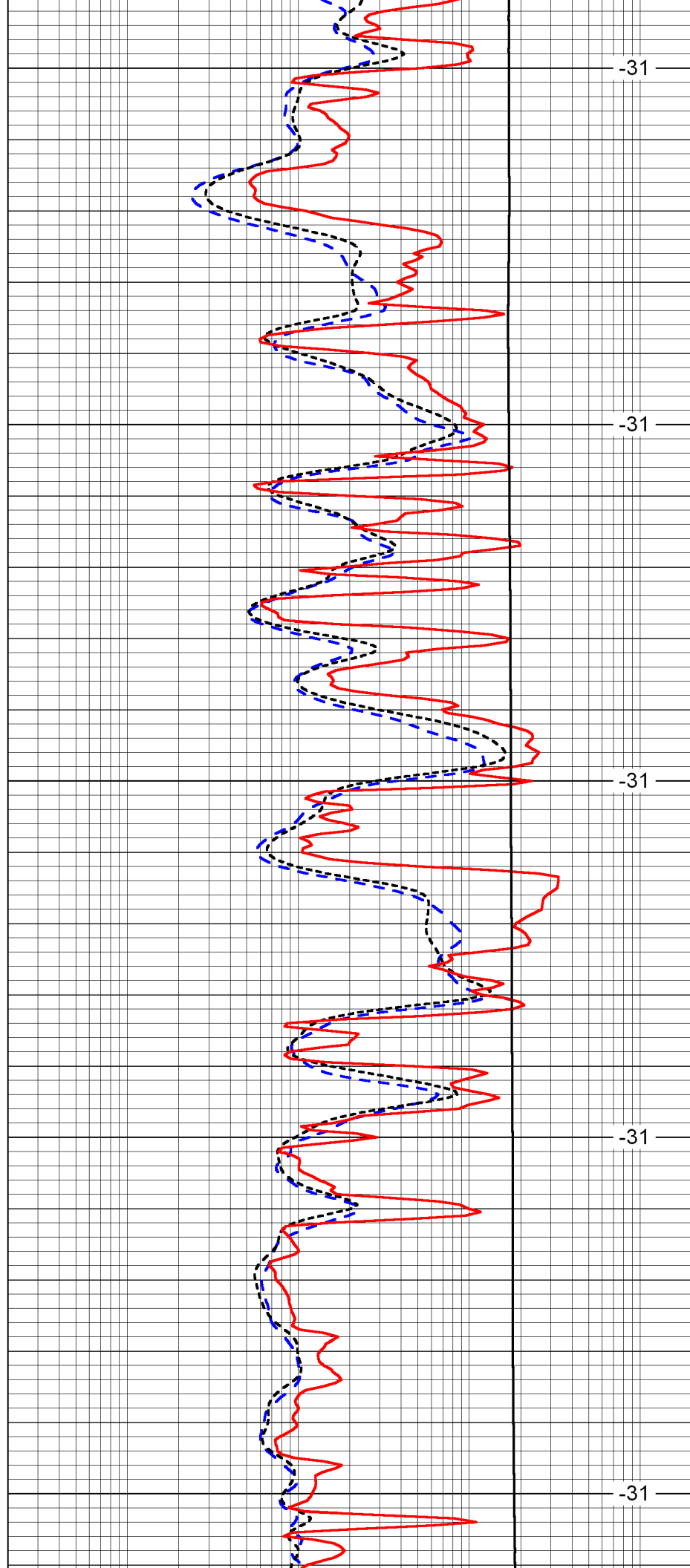
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3600

3650

3700

3750



-31

-31

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-31

