

LOG-TECH



Dual Induction Log

DIGITAL LOG

(785) 625-3858

API No.

15-163-23,818-00-00

Company **Carmen Schmitt, Inc.**

Well **A-T Unit No. 1**

Field **Marcotte**

County **Rooks**

State

Kansas

Location **330' FNL & 180' FWL**

Sec: **35** Twp: **10 S** Rge: **20 W**

Permanent Datum **Ground Level** Elevation **2139**
Log Measured From **Kelly Bushing** **8** Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Elevation

K.B. **2147**
D.F. **2139**
G.L. **2139**

Date

8/18/2009

Run Number

One

Depth Driller

3829

Depth Logger

3828

Bottom Logged Interval

3827

Top Log Interval

200

Casing Driller

8.625 @ 223

Casing Logger

220

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3.300

Density / Viscosity

9.2 59

pH / Fluid Loss

10.0 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

1.8 @ 80

Rmf @ Meas. Temp

1.35 @ 80

Rmc @ Meas. Temp

2.43 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

1.24 @ 116

Operating Rig Time

4 Hours

Max Rec. Temp. F

116

Equipment Number

4

Location

Hays

Recorded By

K. Bange

Witnessed By

Cliff Ottaway

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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

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(785) 625-3858

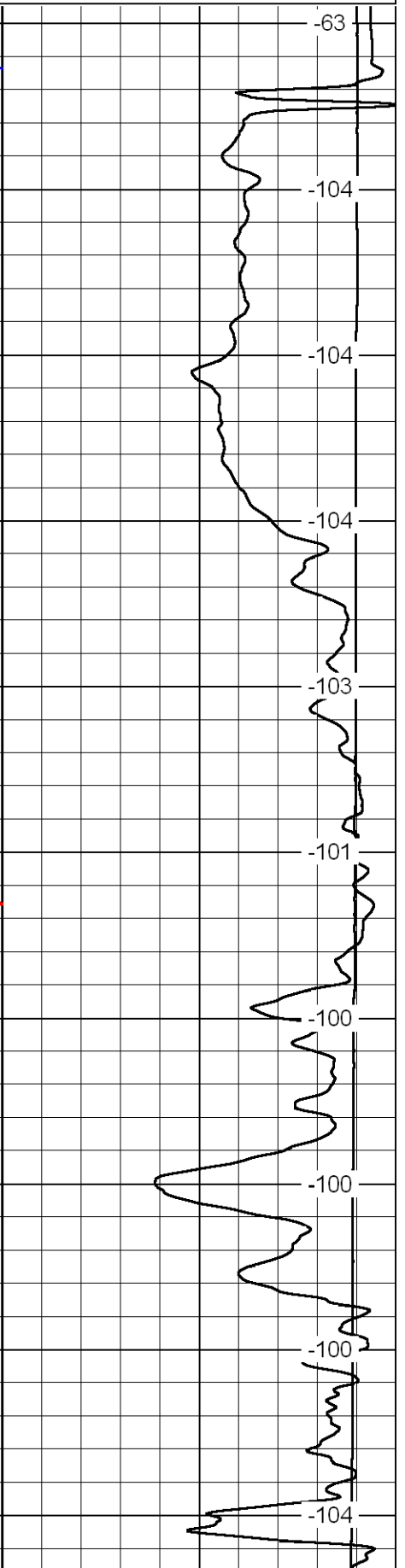
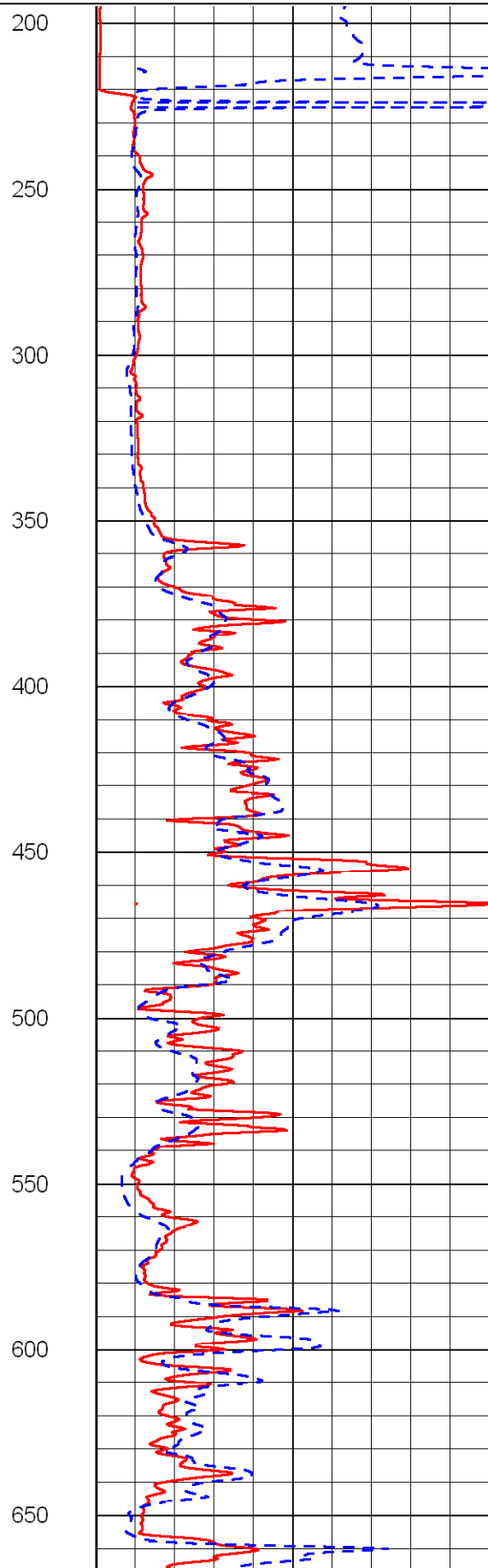
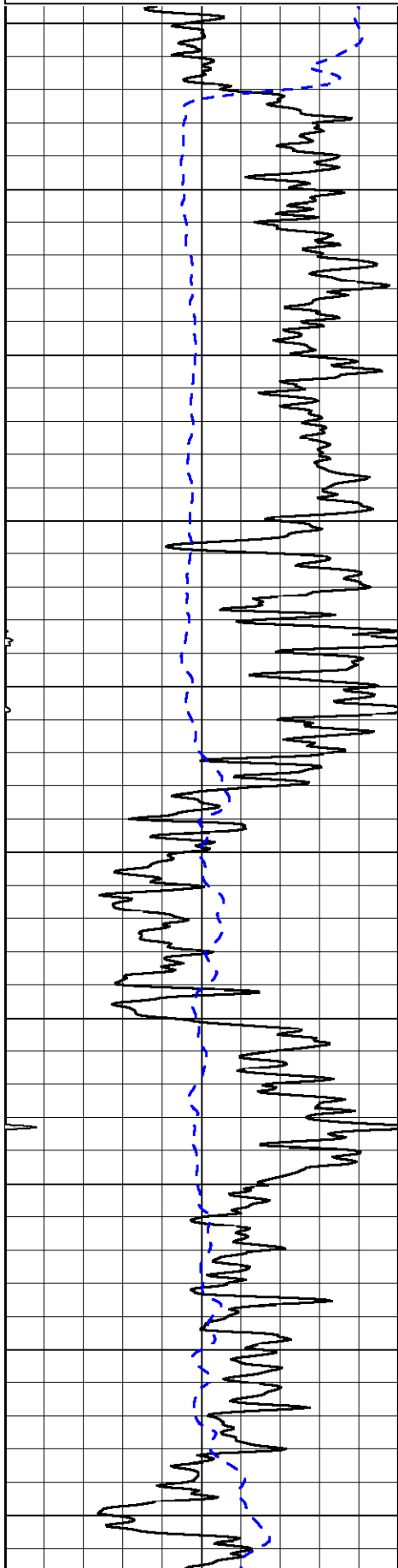
Ellis, N to County Line rd, 1 1/2 E (first rd north), 3/4 N, W into

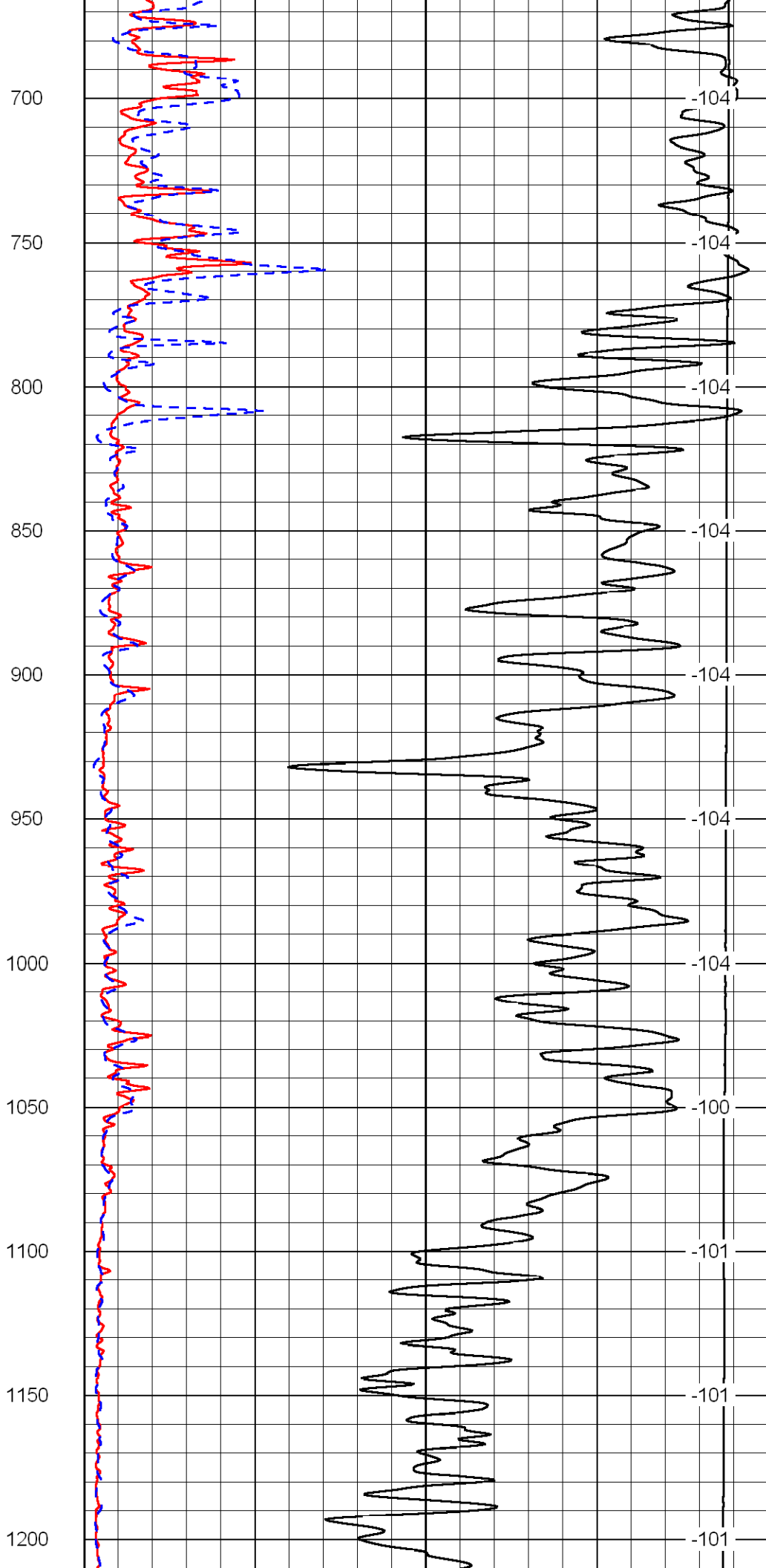
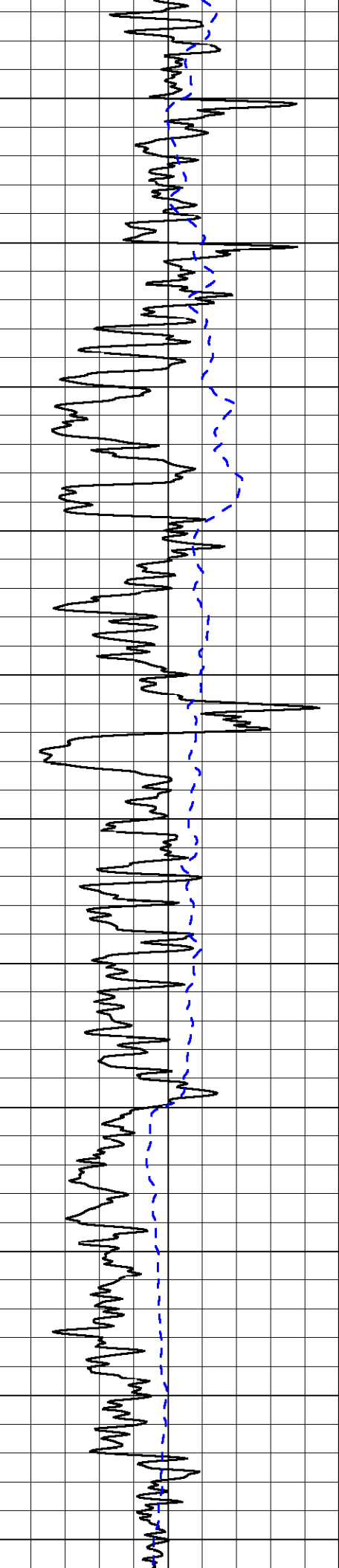
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Presentation Format: dil2in
Dataset Creation: Tue Aug 18 14:43:34 2009
Charted by: Depth in Feet scaled 1:600

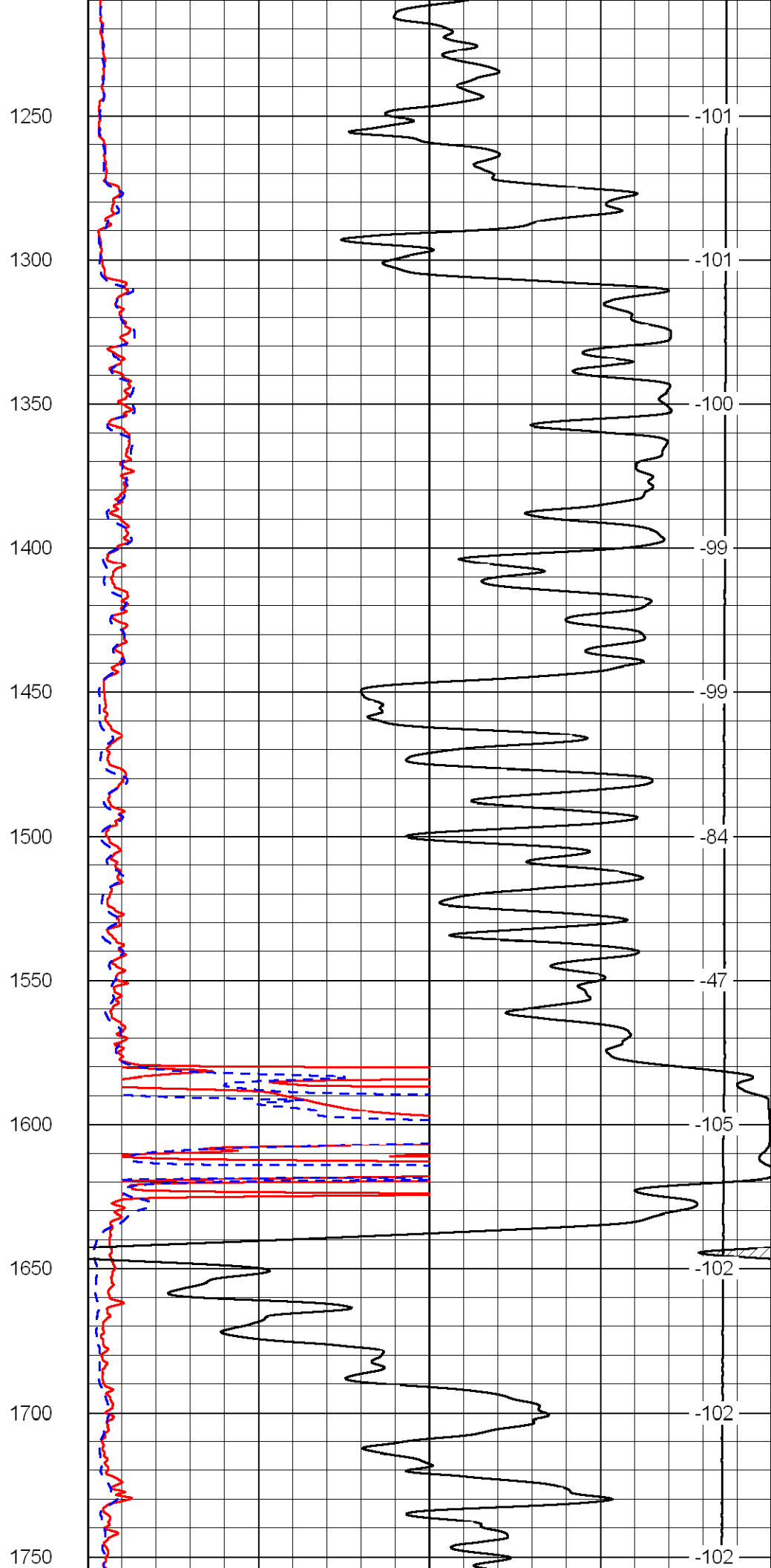
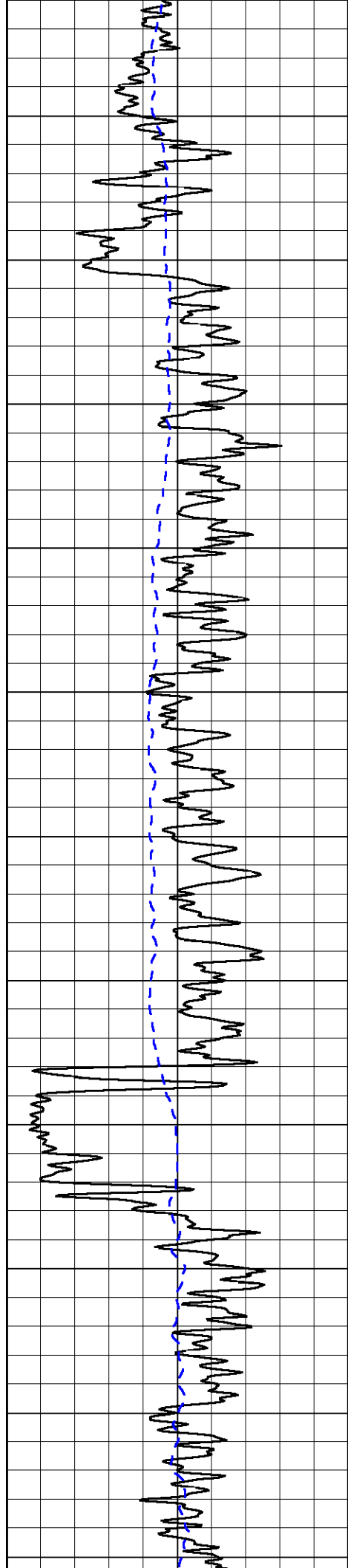
0	Gamma Ray	150
-200	SP	0

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

LSPD







1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

-102

-102

-102

-102

-102

-102

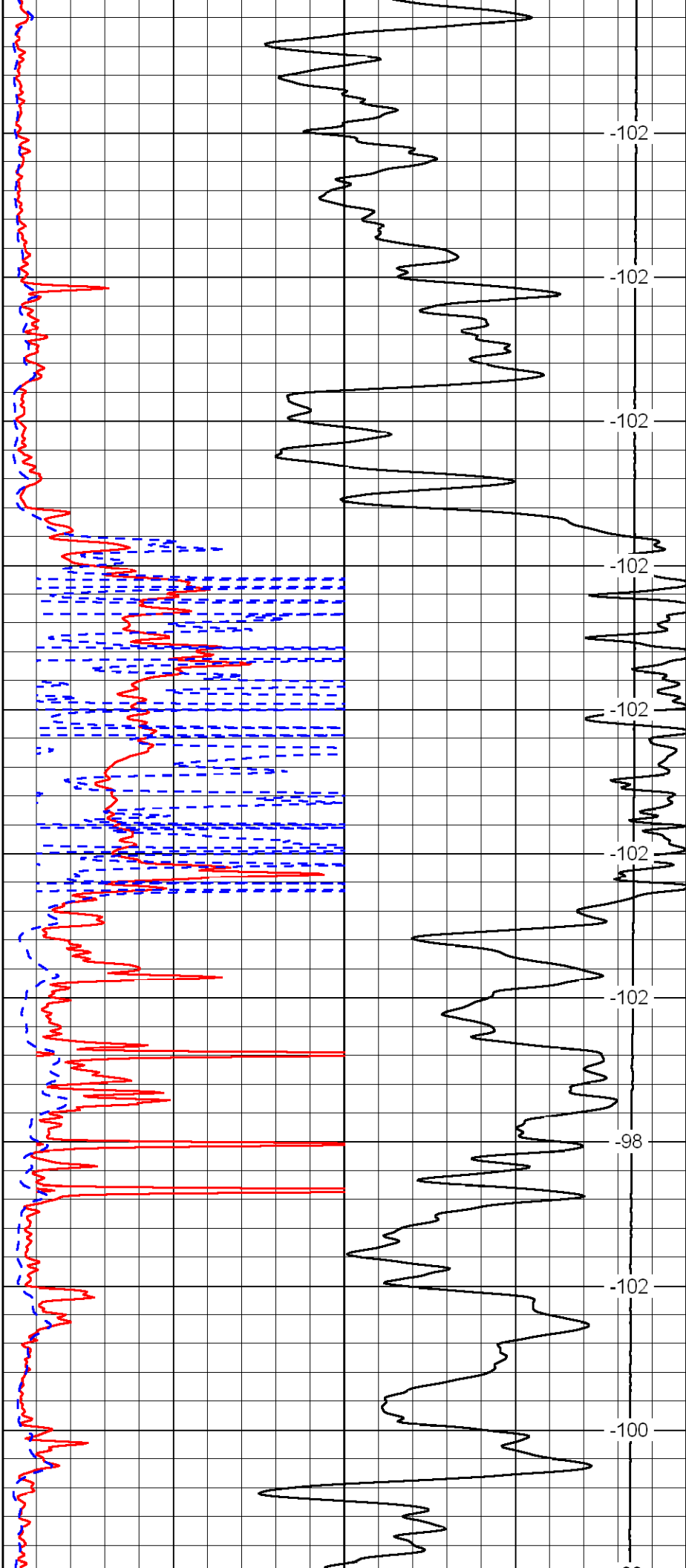
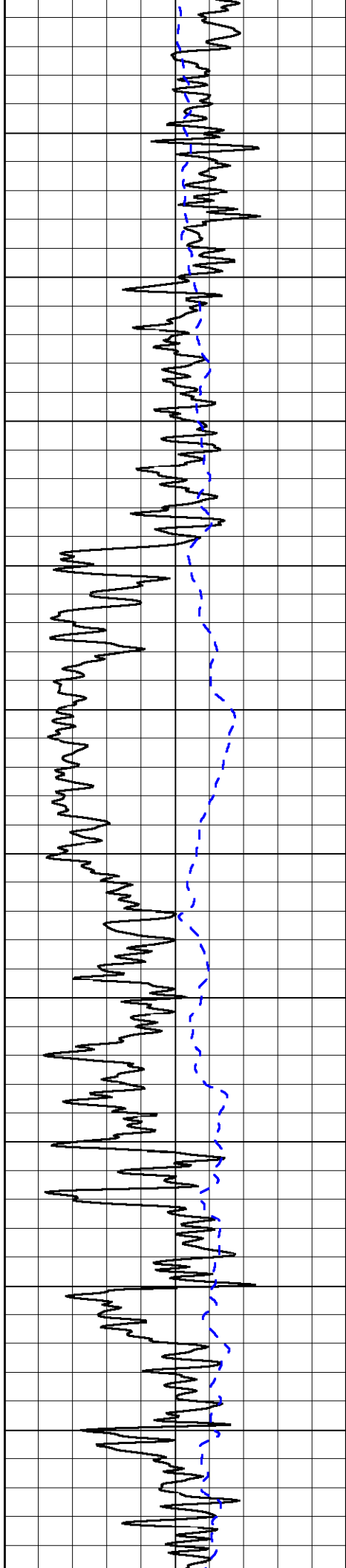
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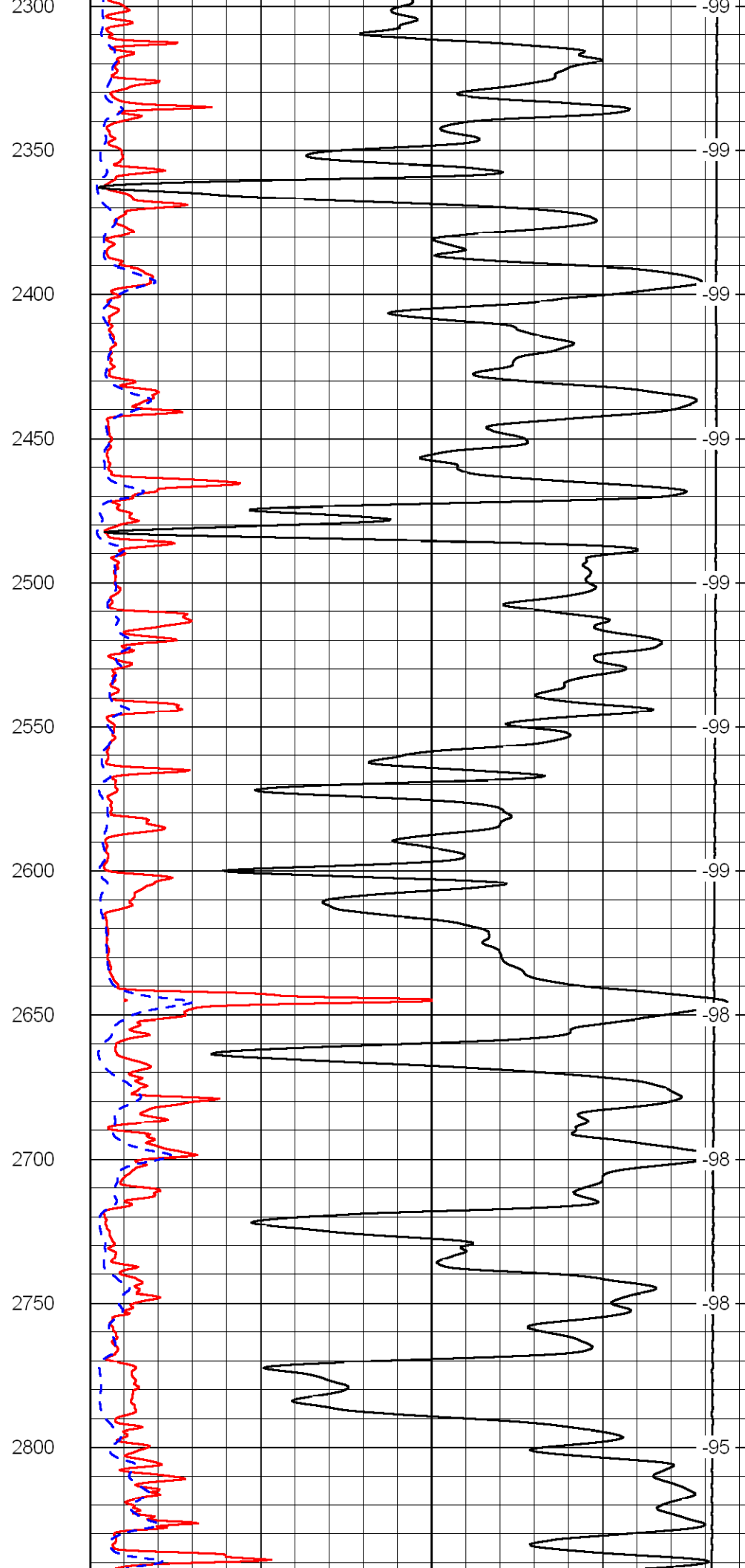
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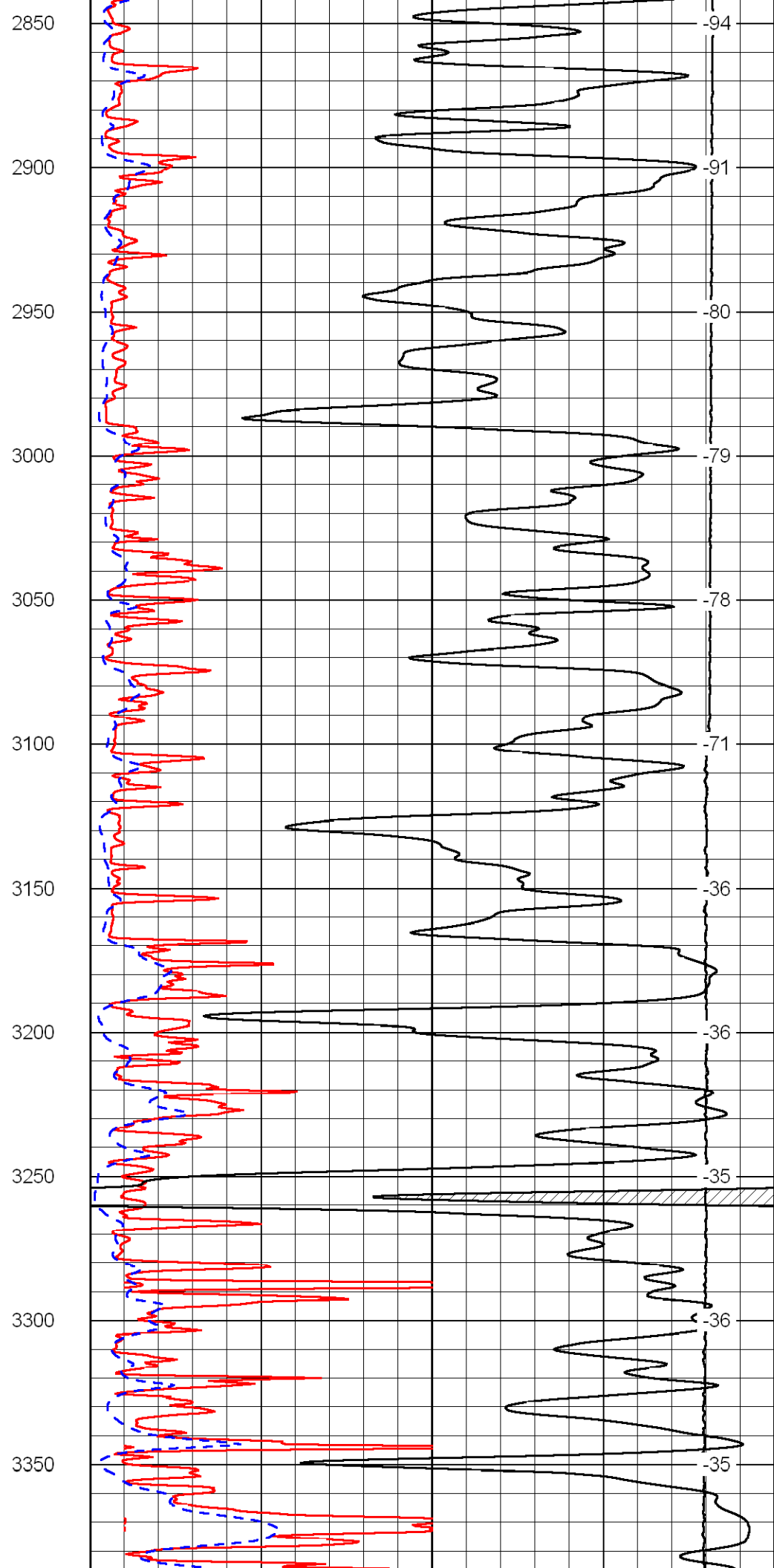
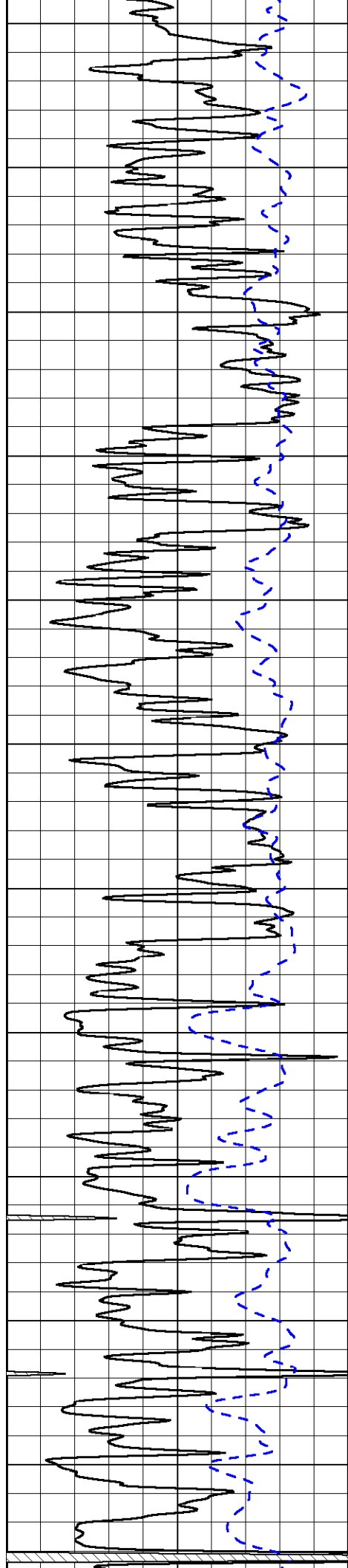
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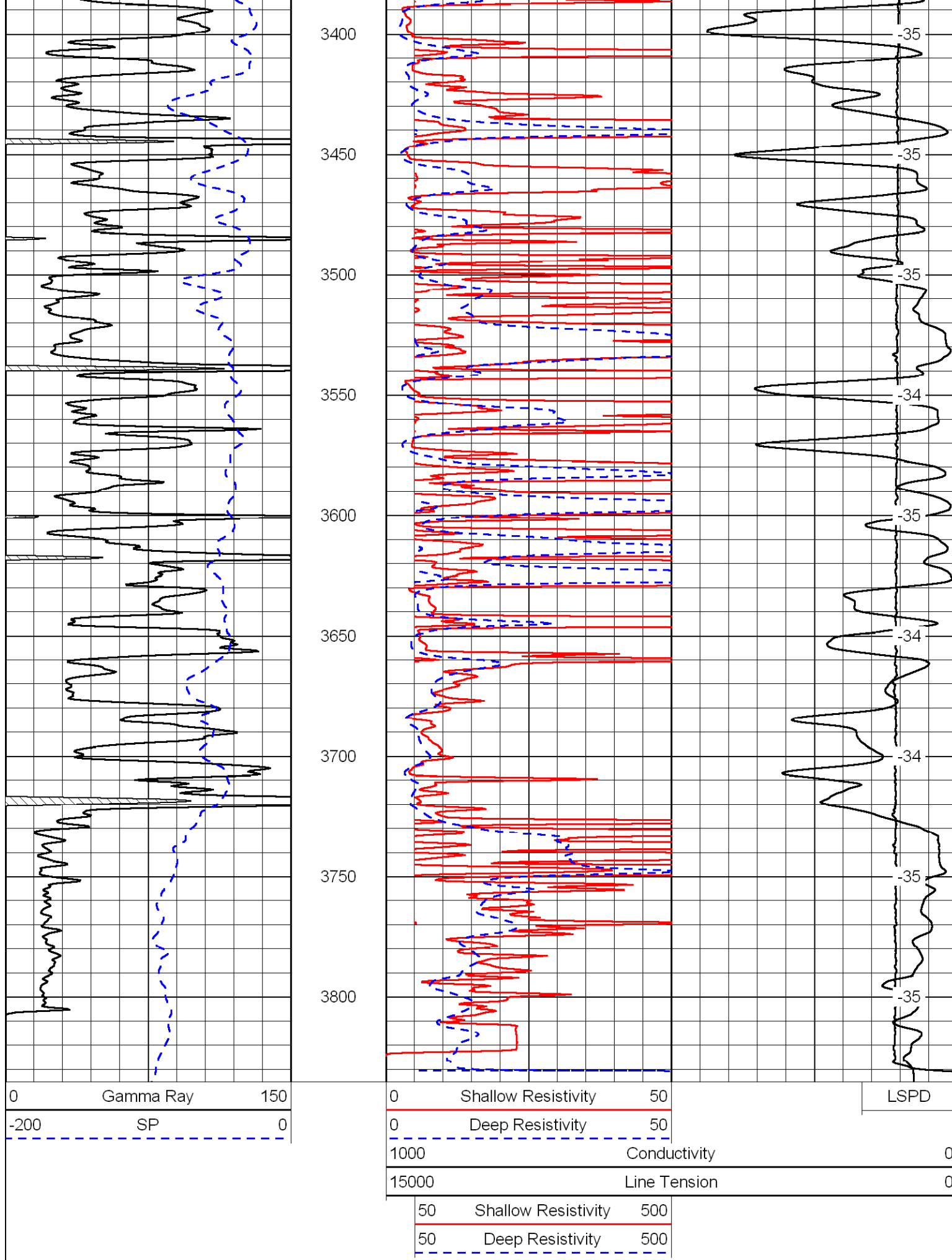




2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800

-99
-99
-99
-99
-99
-99
-99
-98
-98
-98
-95



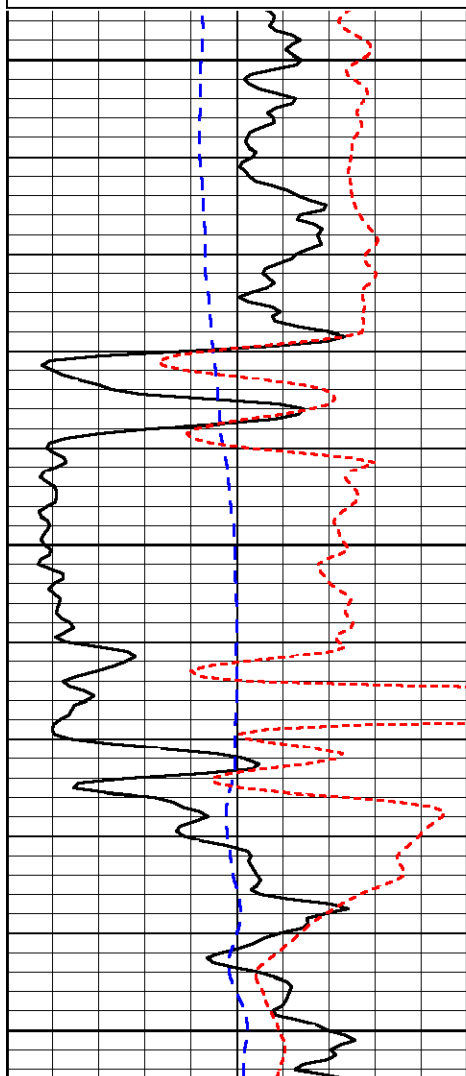


Database File: carmen81809hd.db
Dataset Pathname: dil/carstack
Presentation Format: dil
Dataset Creation: Tue Aug 18 14:43:34 2009
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-200	SP	0
-160	Rxo / Rt	40

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

LSPD

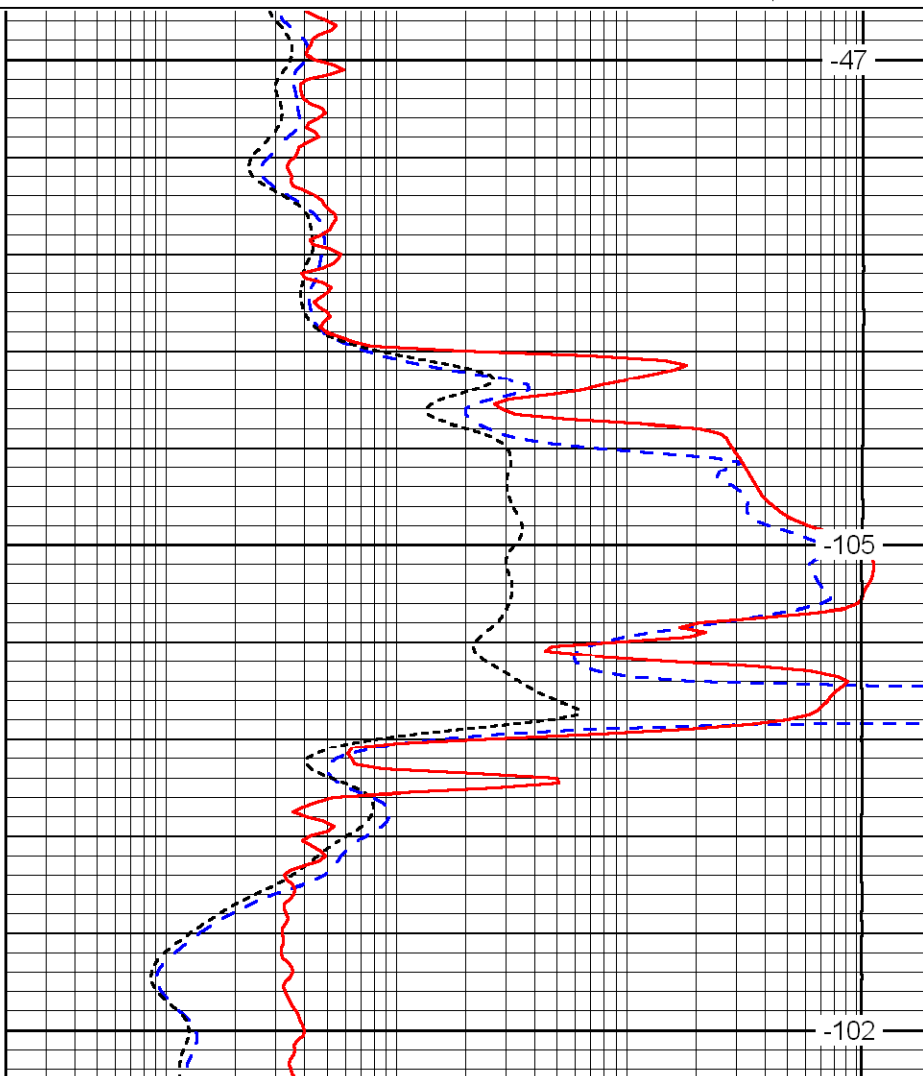


1550

1600

1650

0	Gamma Ray	150
-200	SP	0
-160	Rxo / Rt	40



-47

-105

-102

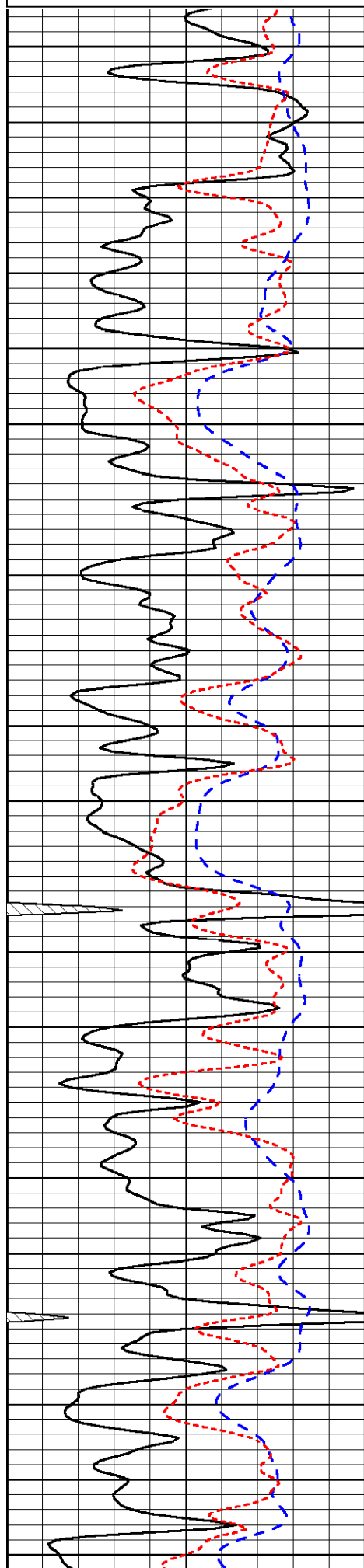
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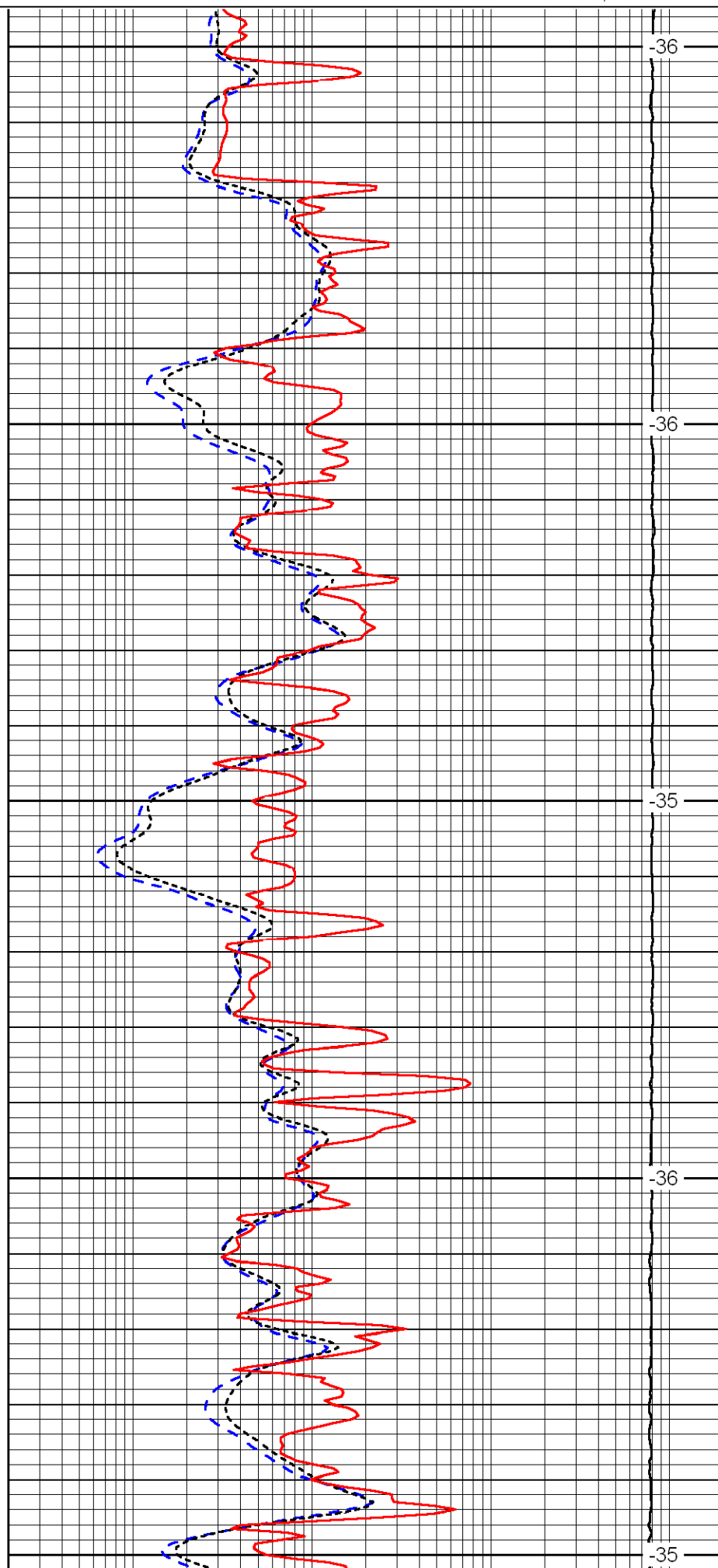
3150

3200

3250

3300

3350



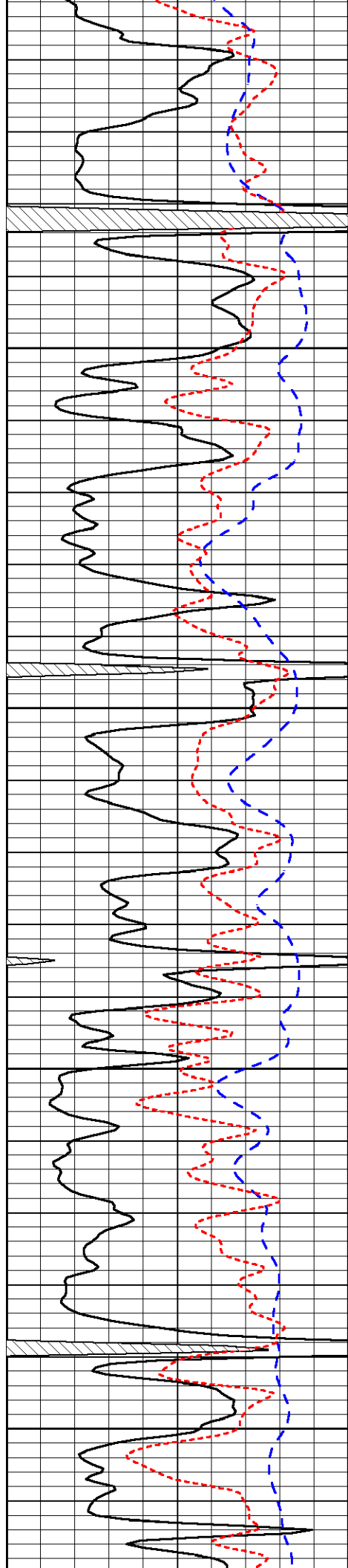
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-35

-36

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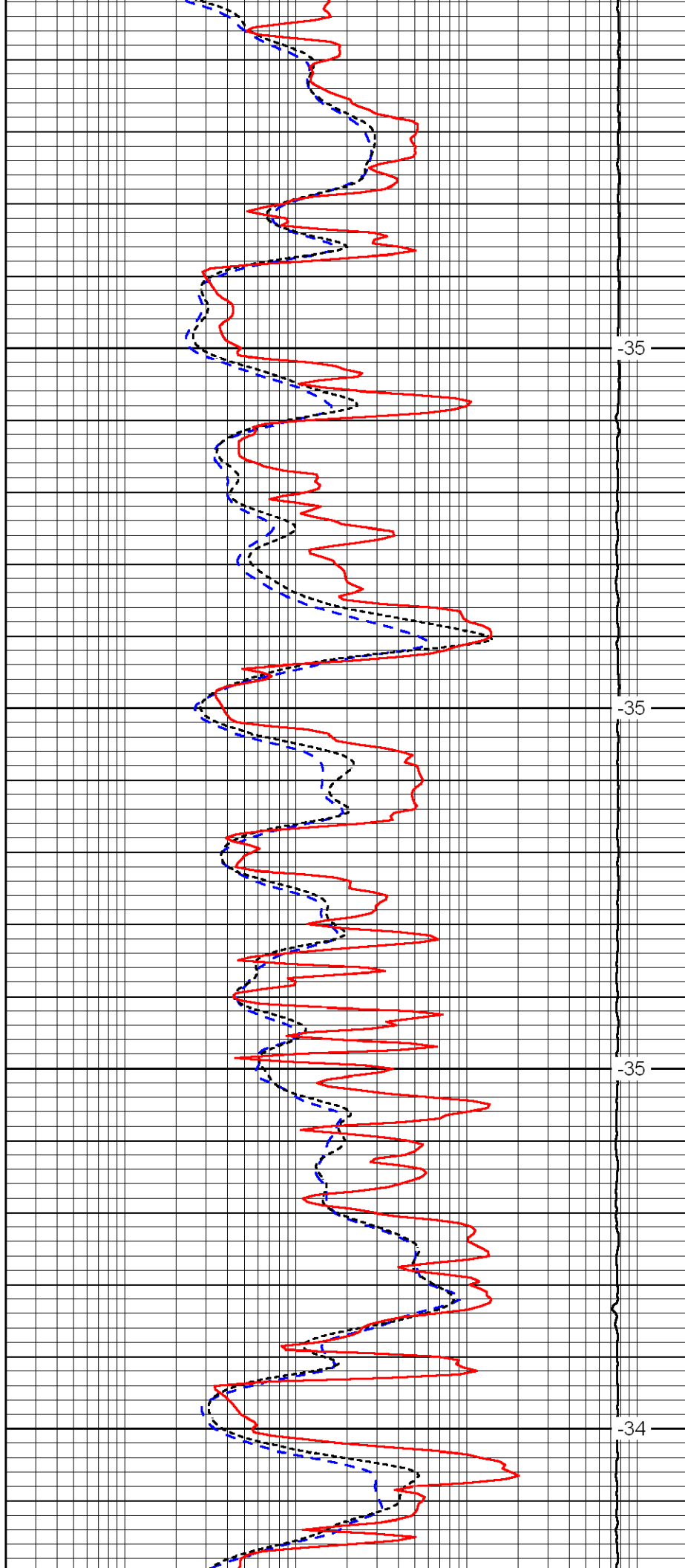


3400

3450

3500

3550

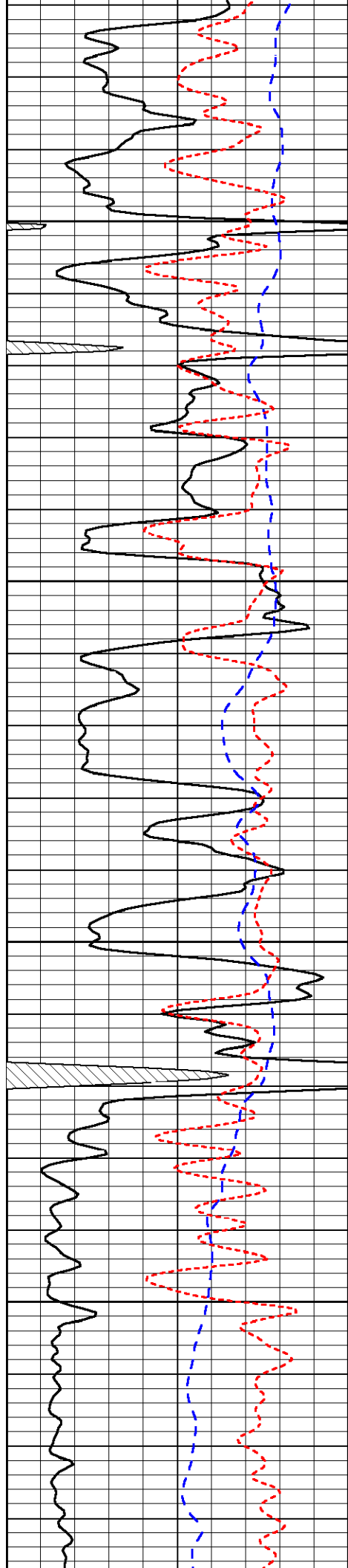


-35

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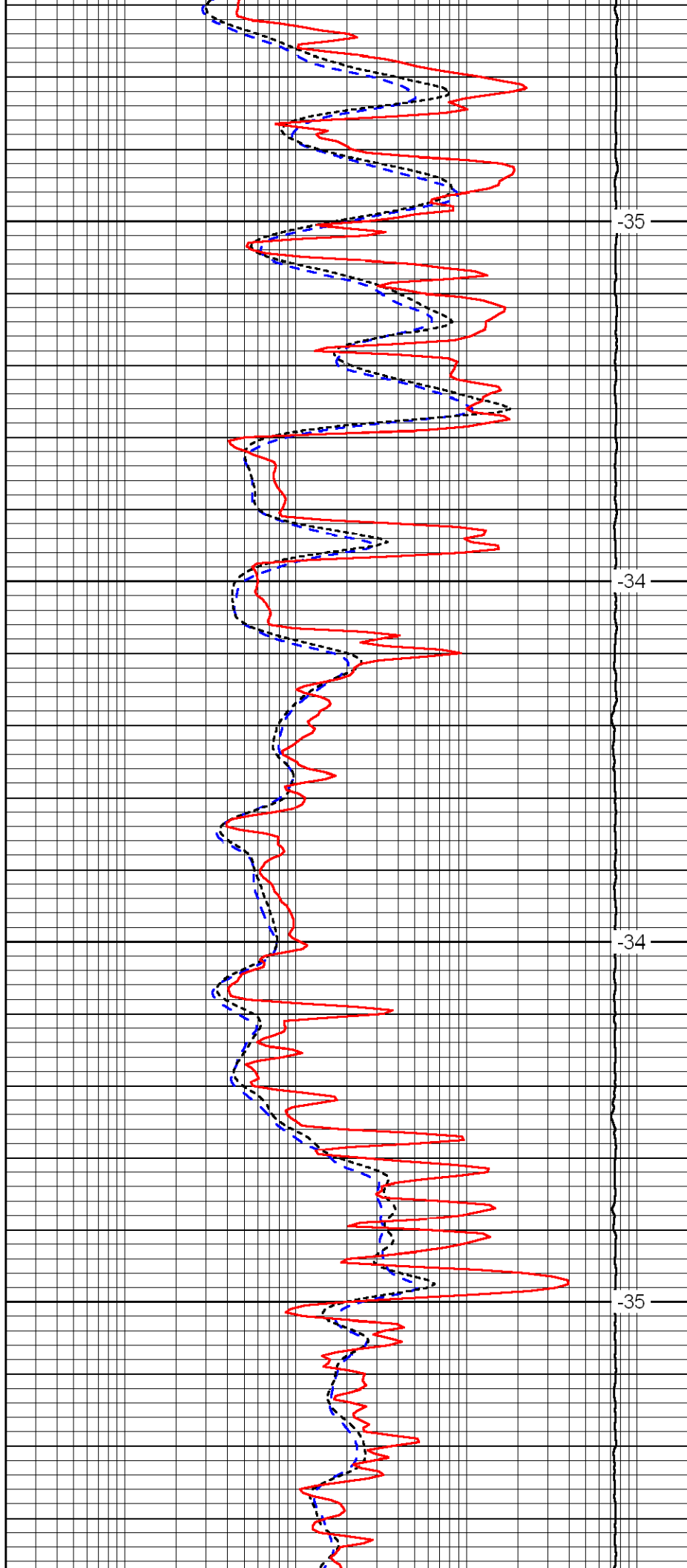


3600

3650

3700

3750

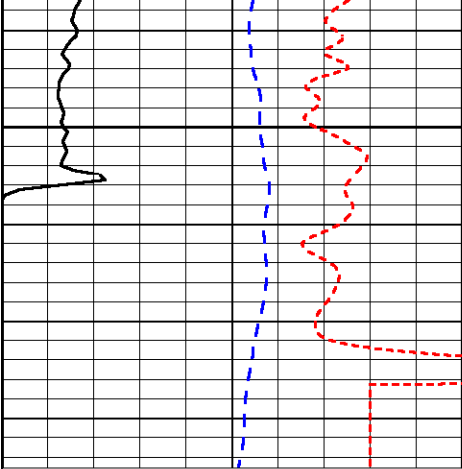


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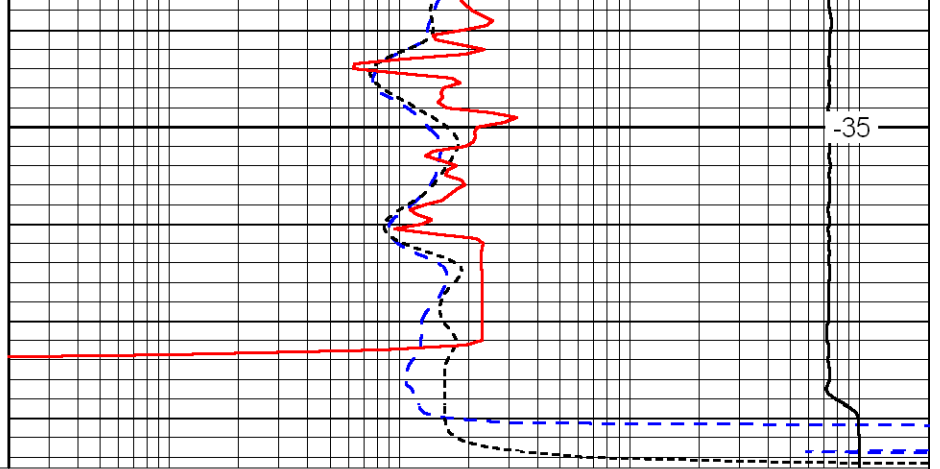
-34

-35



0	Gamma Ray	150
-200	SP	0
-160	Rxo / Rt	40

3800



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

LSPD