



Pioneer Energy Services

Dual Induction Log

15-053-21,284-00-00

API No.

Company **LB Exploration, Inc.**

Well **Jezeq #2**

Field **Stoltenberg**

County **Ellsworth** State

Kansas

Location **330' FNL & 990' FEL**

Sec: **21** Twp: **16S** Rge: **10W**

Permanant Datum **Ground Level** Elevation **1870**

Log Measured From **Kelly Bushing** 13 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
MEL

Elevation
K.B. 1883
D.F. 1870
G.L. 1870

Date **2/20/2013**

Run Number **One**

Depth Driller **3485**

Depth Logger **3485**

Bottom Logged Interval **3484**

Top Log Interval **650**

Casing Driller **8.625 @ 670**

Casing Logger **670**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity,ppm CL **4,000**

Density / Viscosity **9.2 64**

pH / Fluid Loss **9.5 8.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **.7 @ 42**

Rmf @ Meas. Temp **.53 @ 42**

Rmc @ Meas. Temp **.95 @ 42**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.27 @ 111**

Operating Rig Time **3 1/2 Hours**

Max Rec. Temp. F **111**

Equipment Number **15**

Location **Hays**

Recorded By **C. Desai**

Witnessed By **Steven Petermann**

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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

Wilson KS, S to Ave. P, 3 3/4 E, S Into

Database File: c:\warrior\data\lb exploration_jezek #2\lbhd.db
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Dataset Creation: Wed Feb 20 11:54:36 2013
Charted by: Depth in Feet scaled 1:600

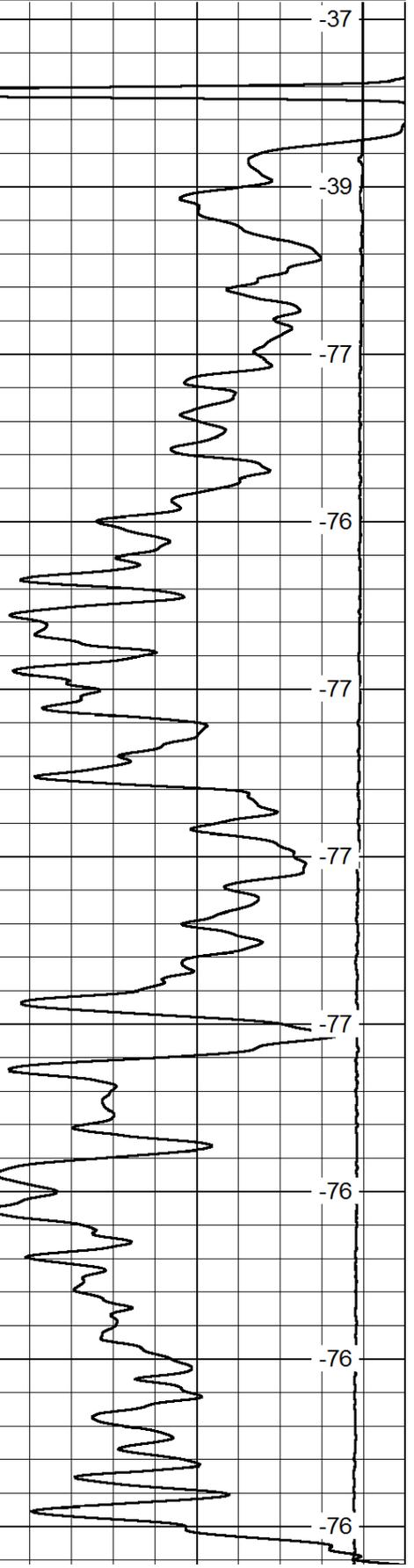
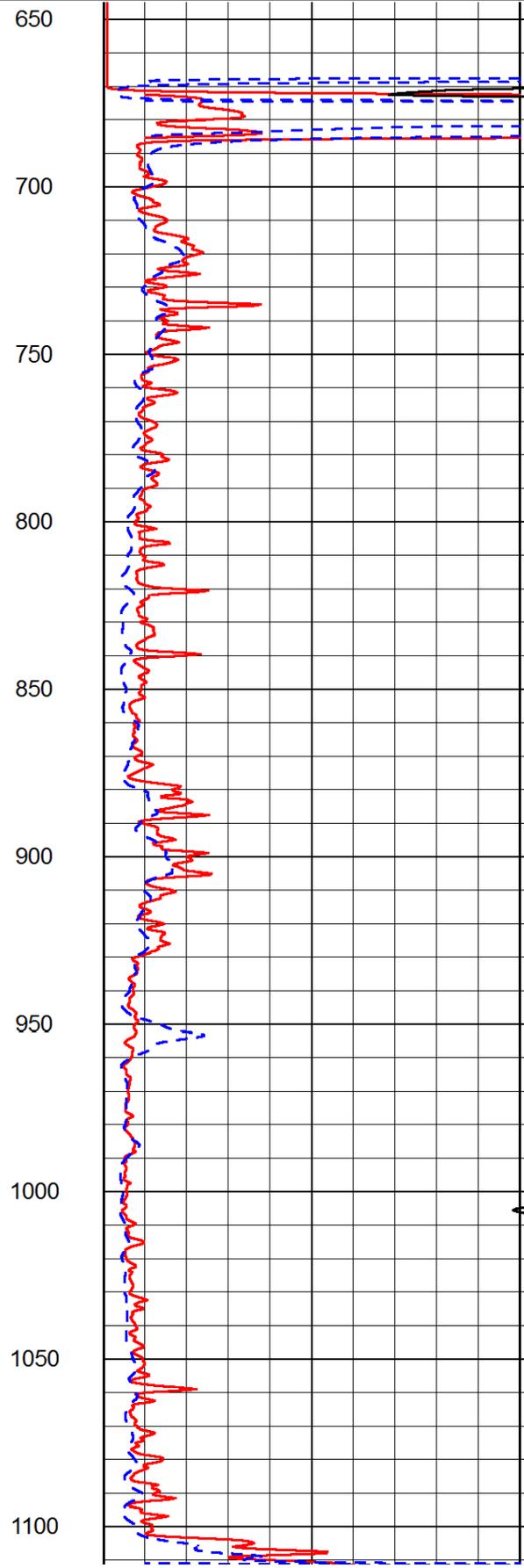
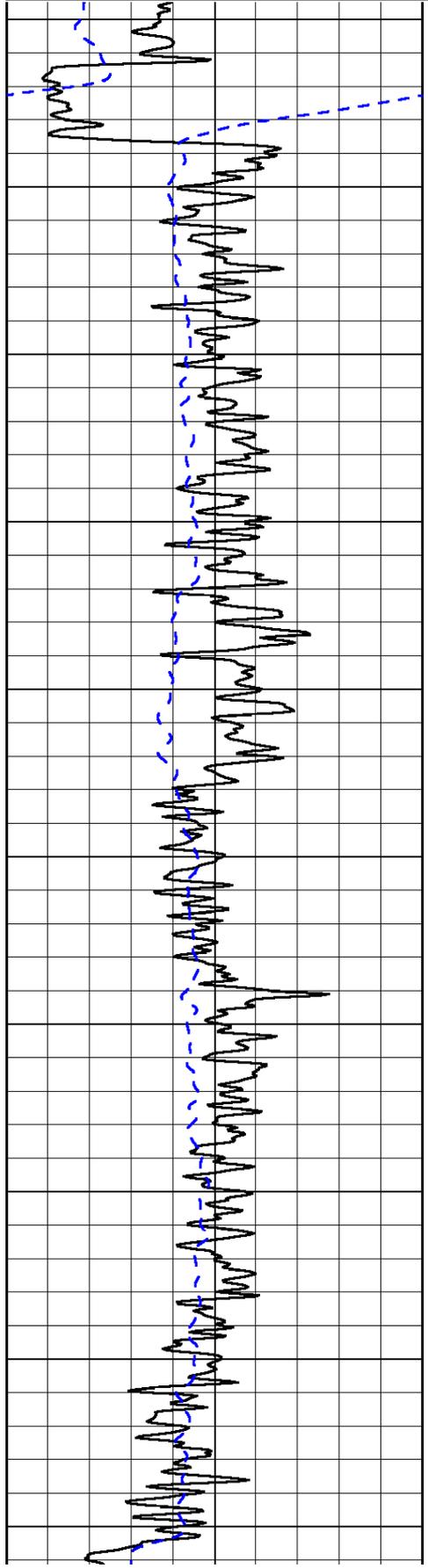
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-200	SP (mV)	0

0	Shallow Resistivity	50
0	Deep Resistivity	50

LSPD

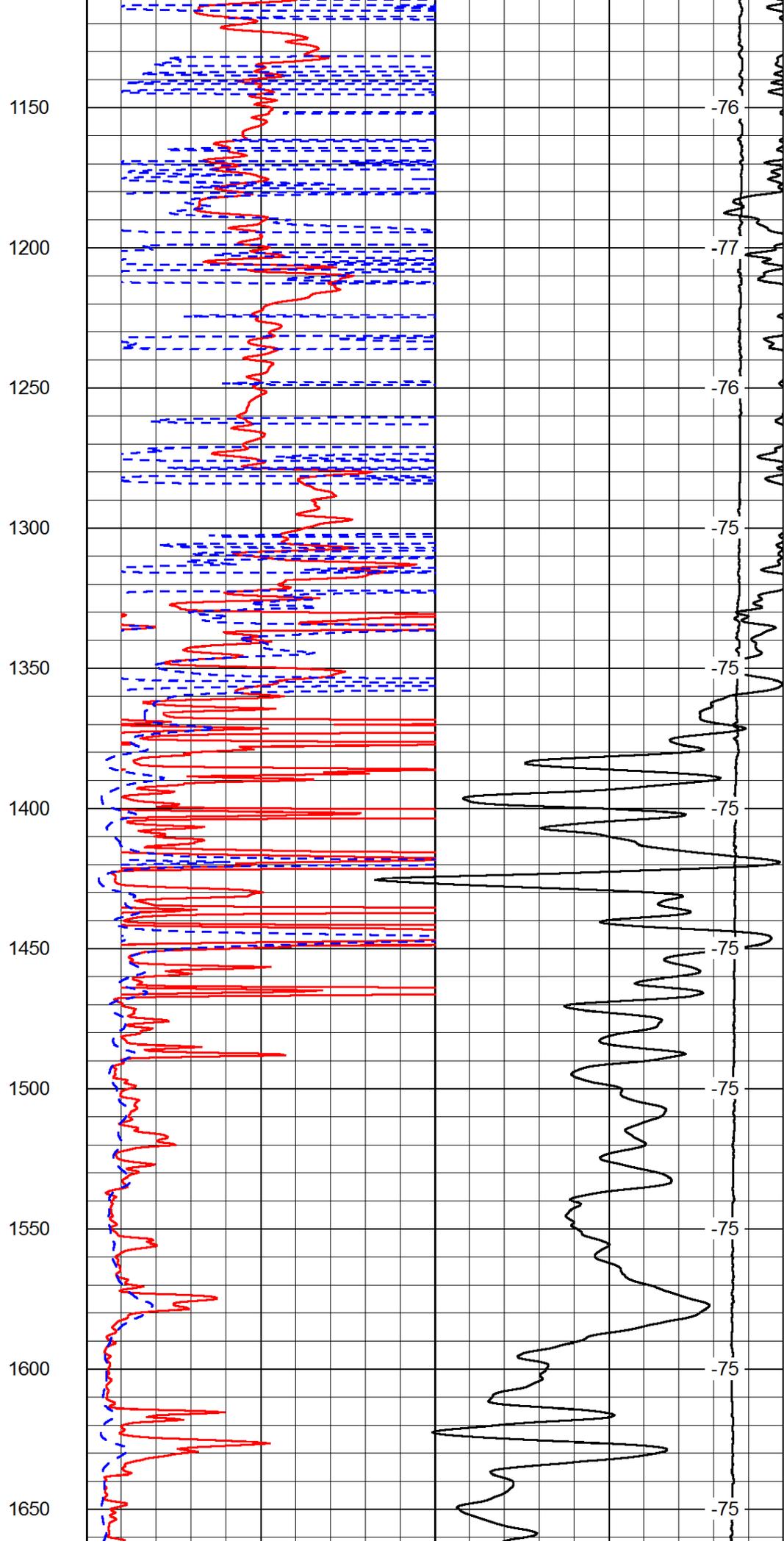
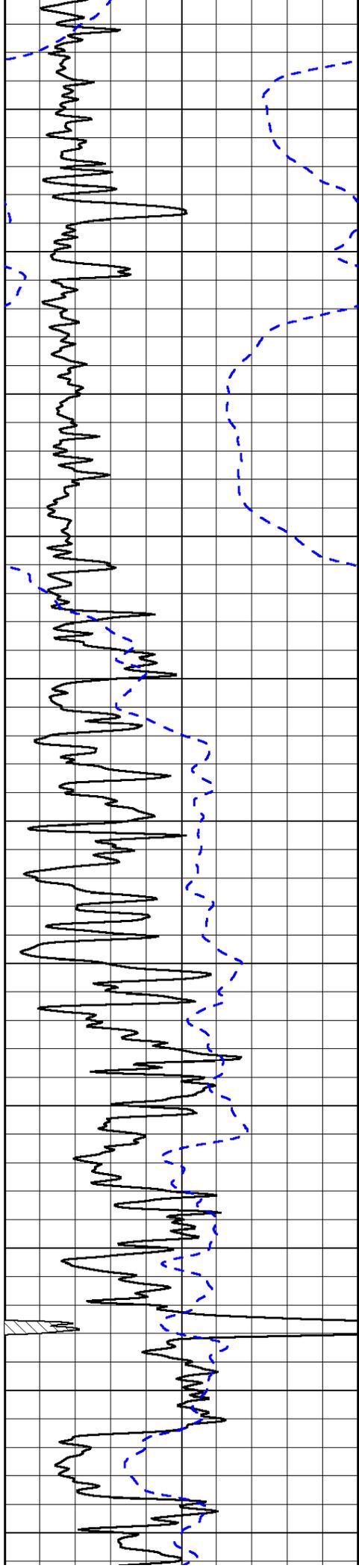
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15000	Line Tension	0

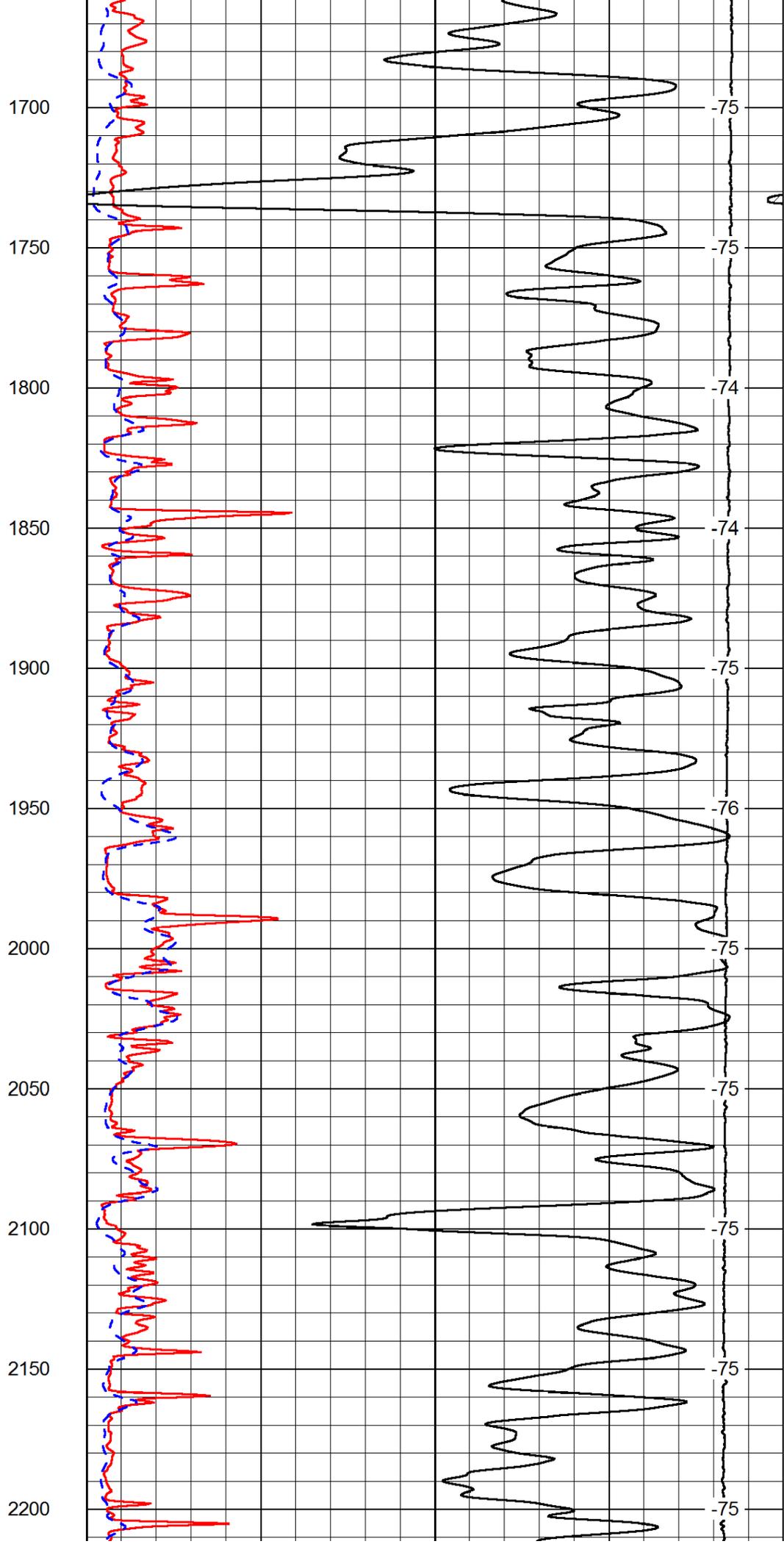
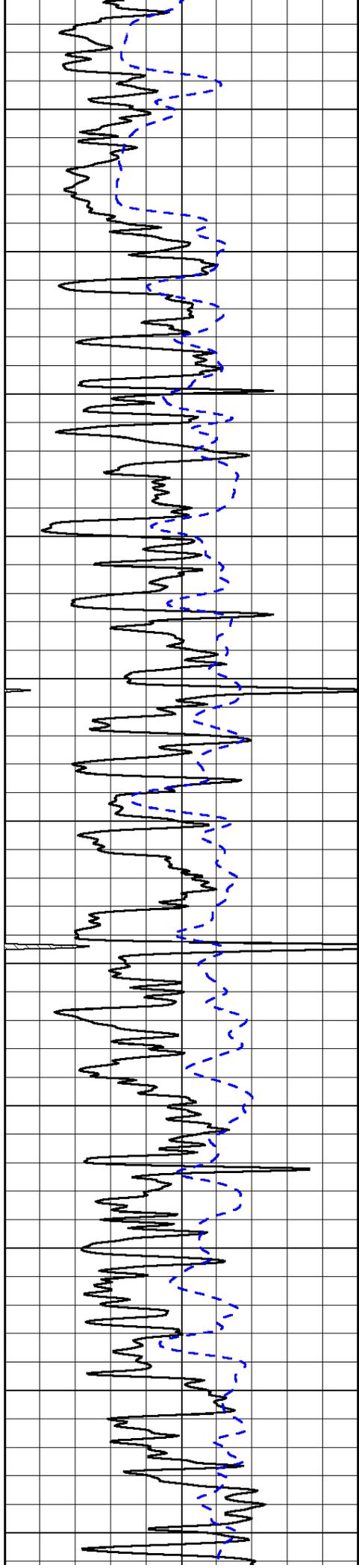
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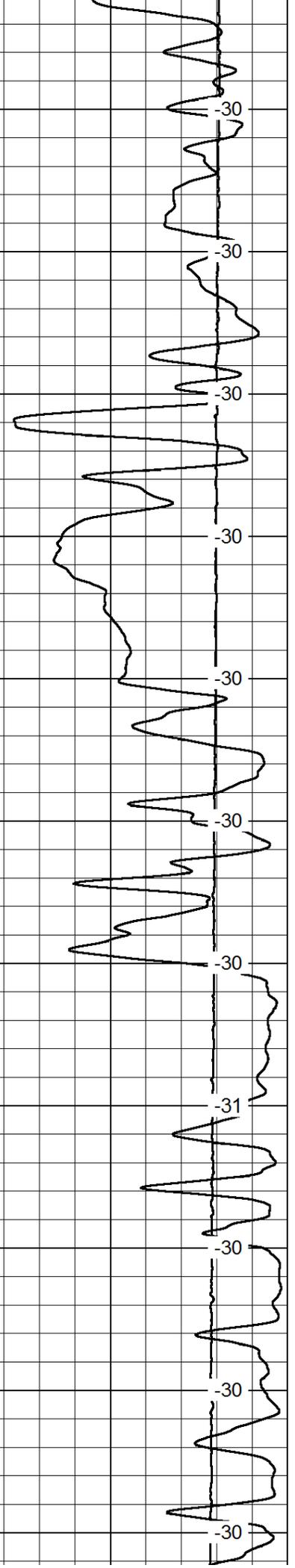
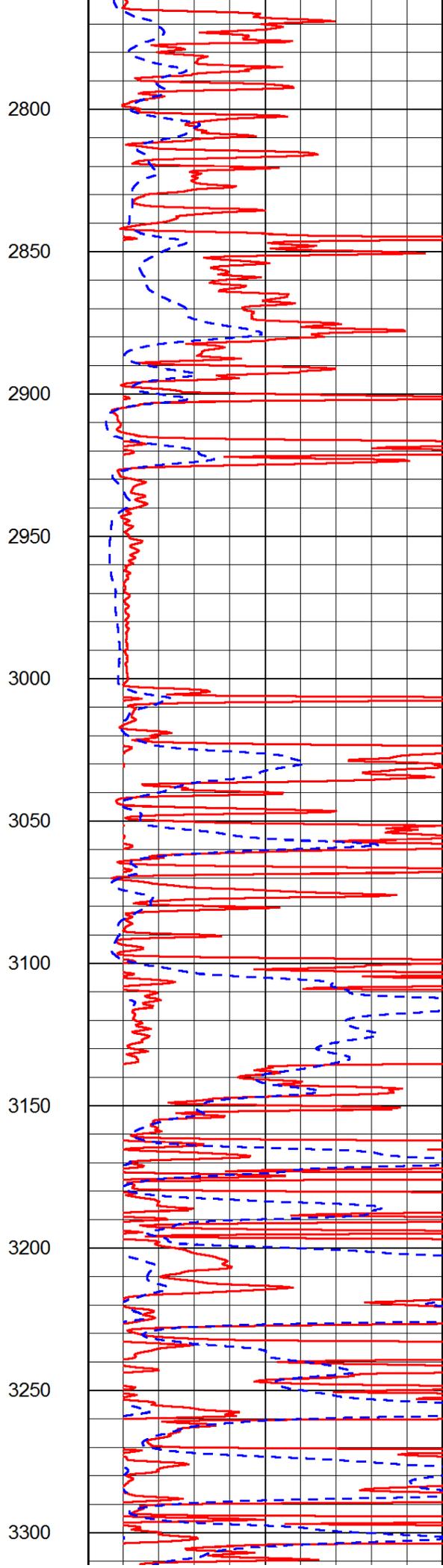
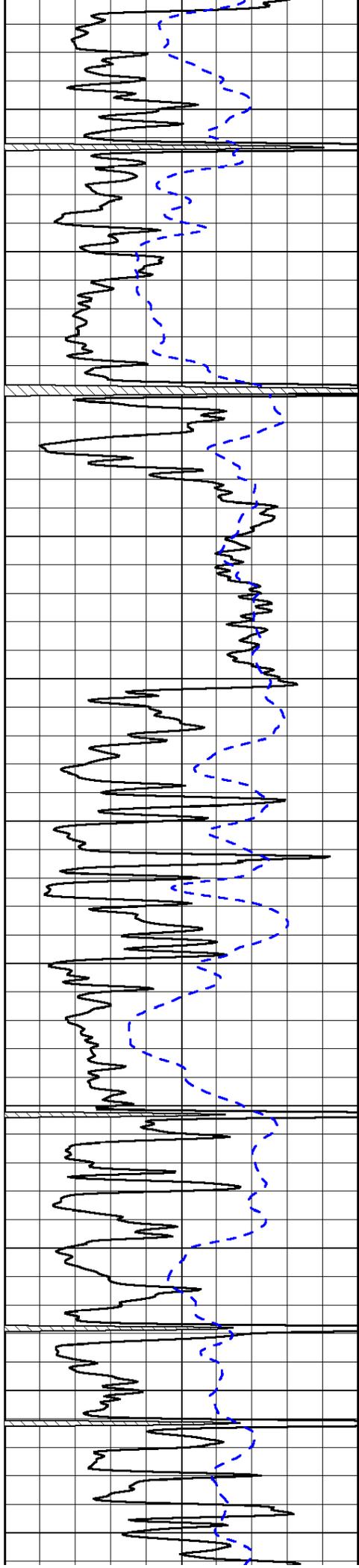


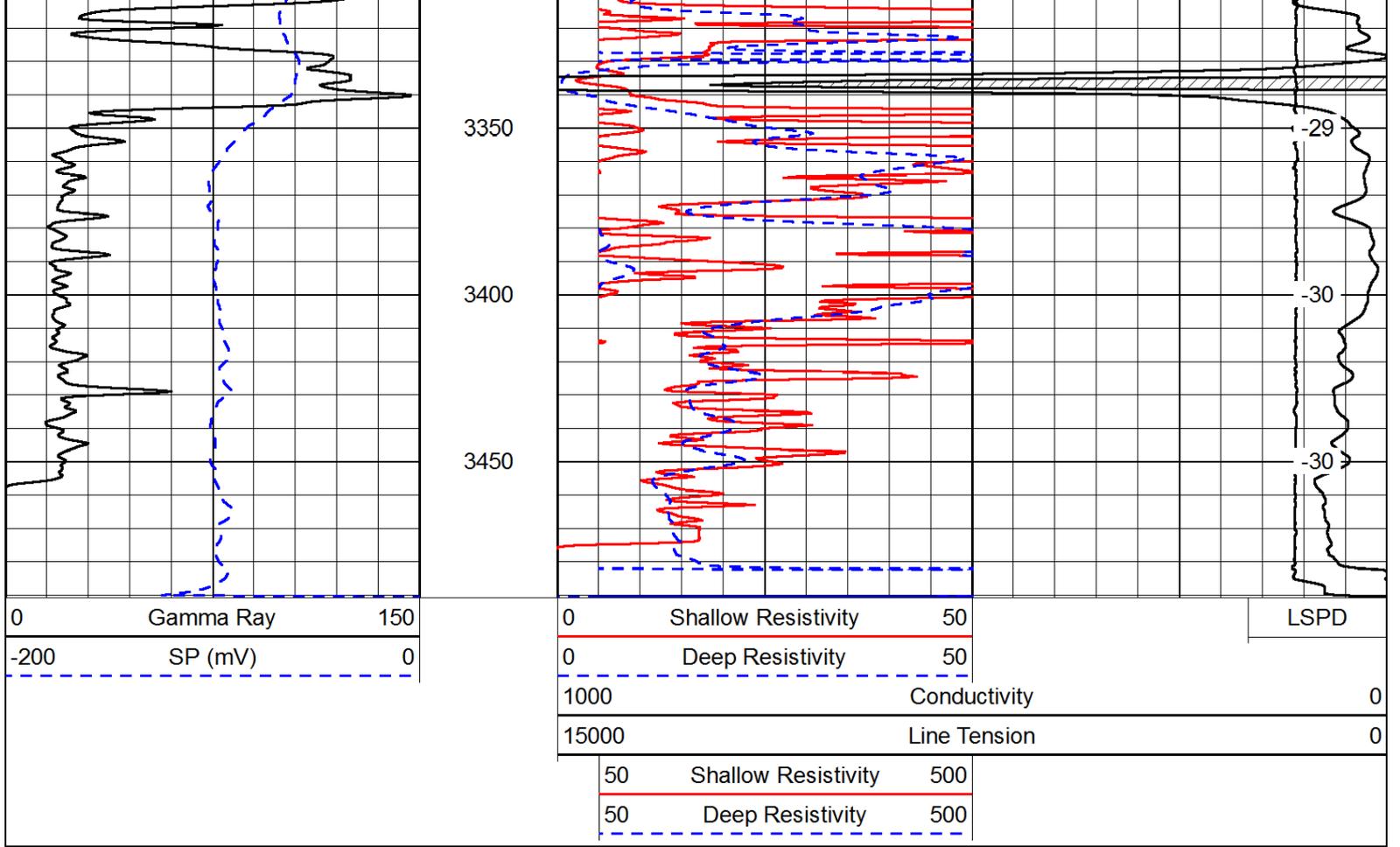
650
700
750
800
850
900
950
1000
1050
1100

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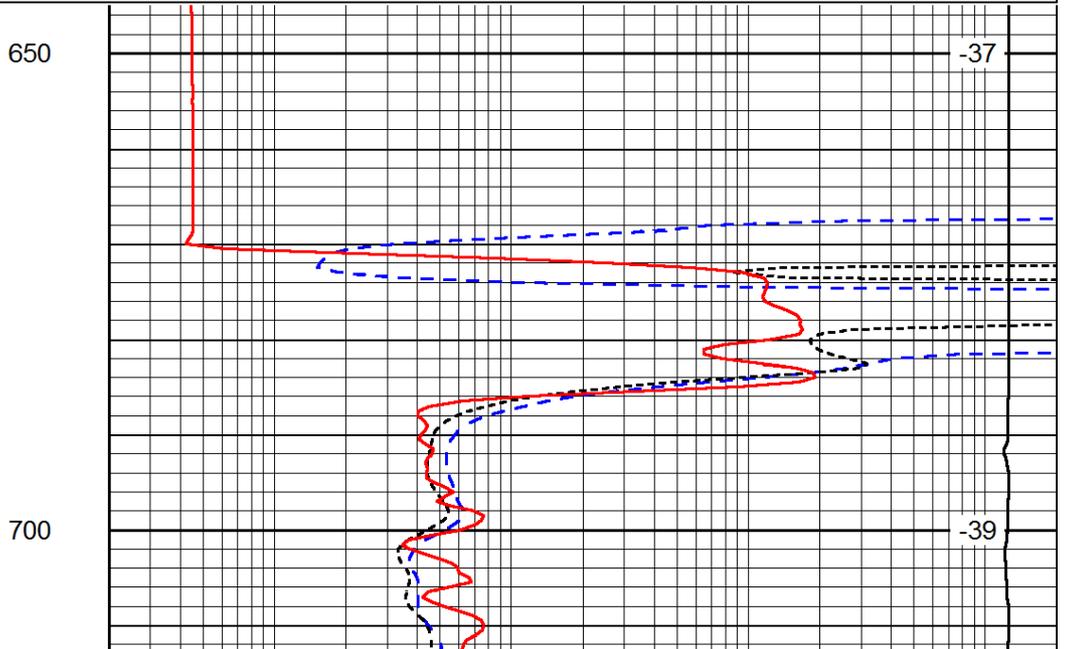
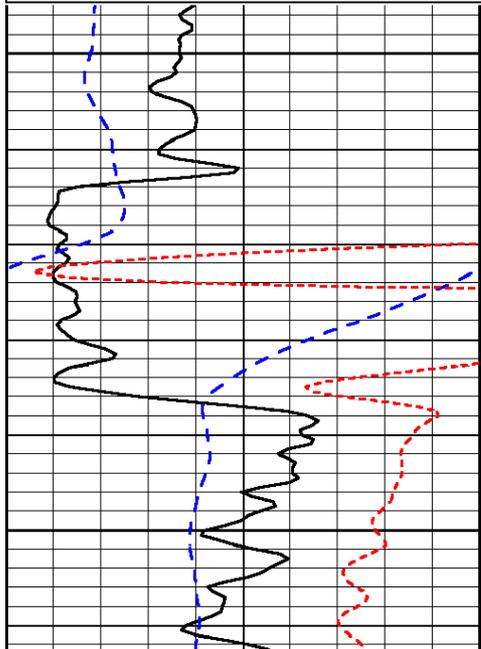
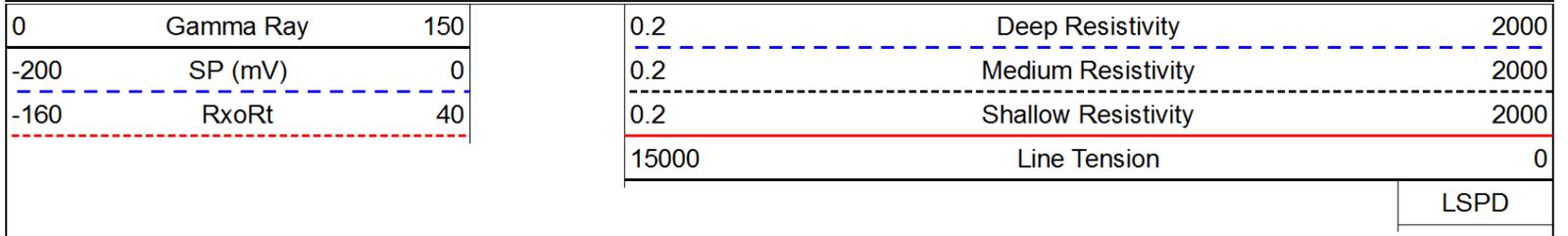


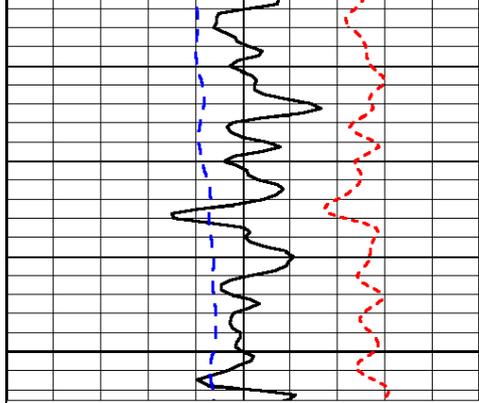






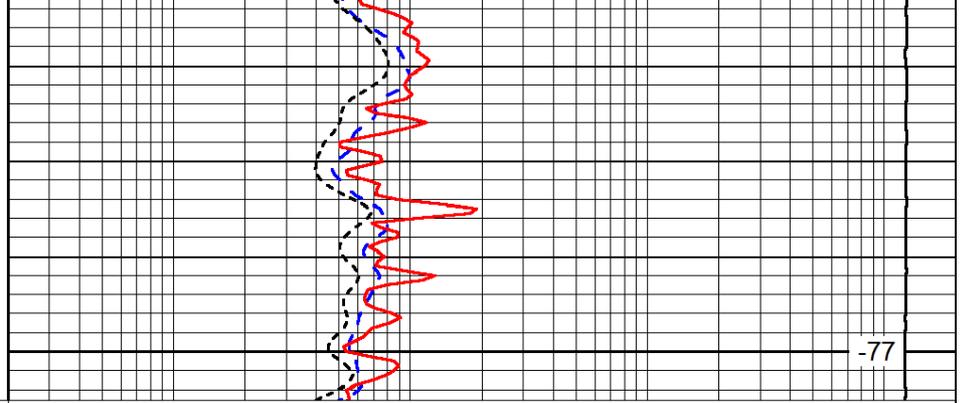
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 Presentation Format: dil
 Dataset Creation: Wed Feb 20 11:54:36 2013
 Charted by: Depth in Feet scaled 1:240





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

750



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

-77

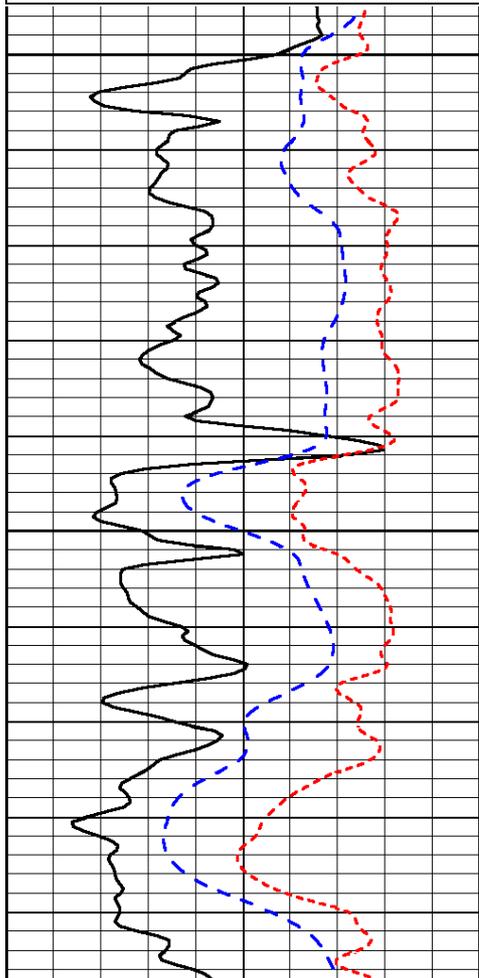
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-200	SP (mV)	0
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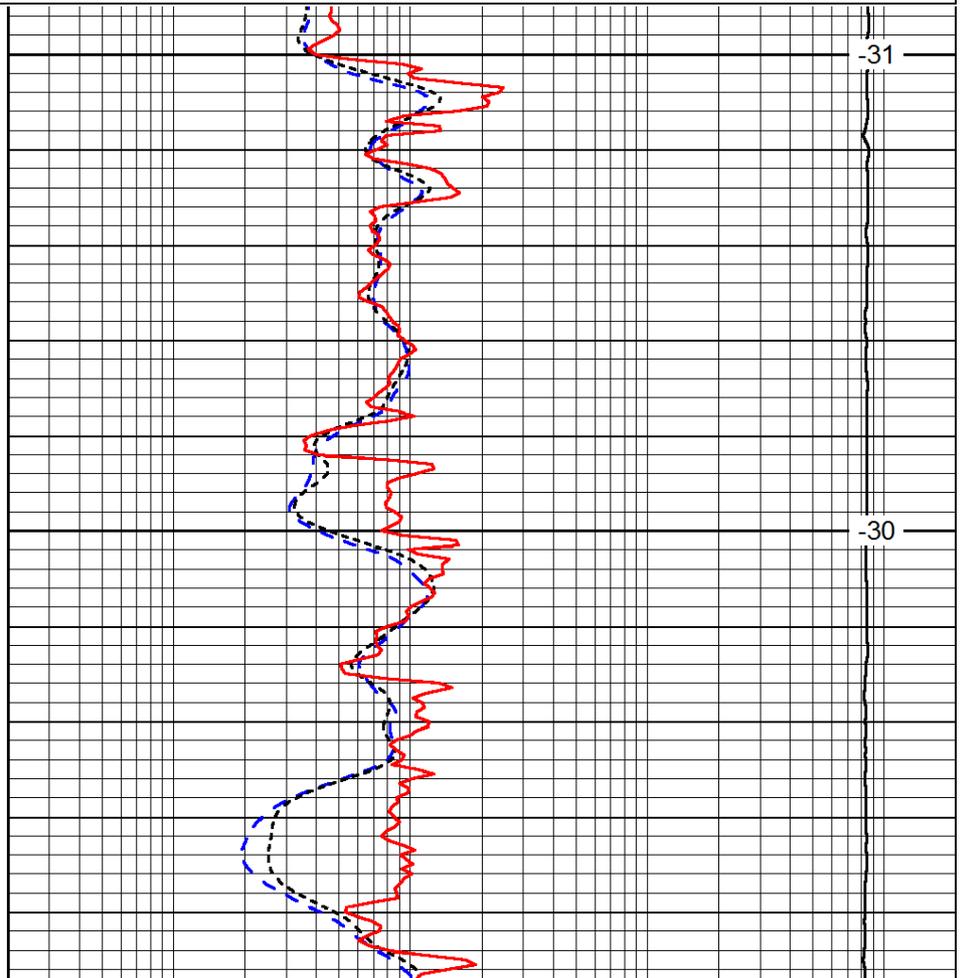
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD



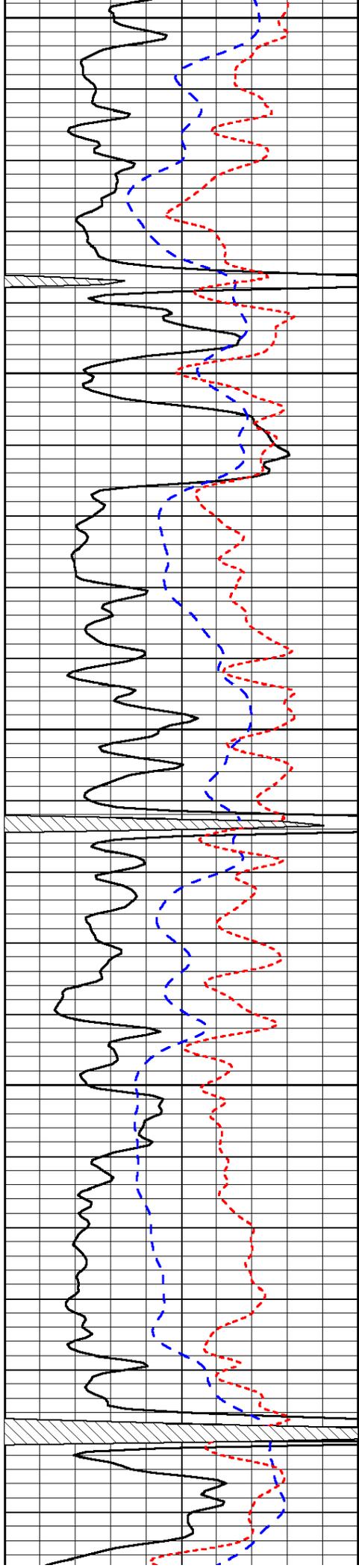
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2650



-31

-30



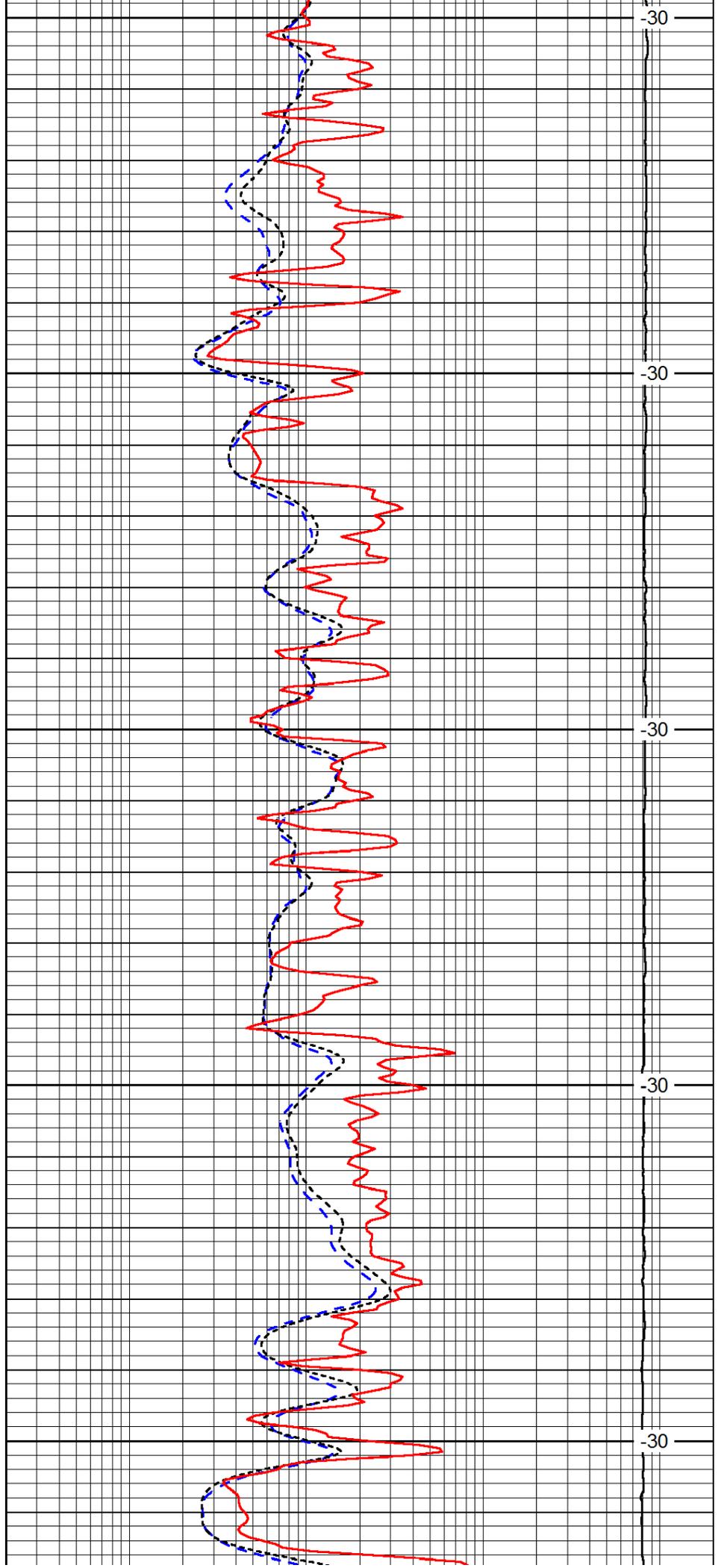
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2750

2800

2850

2900



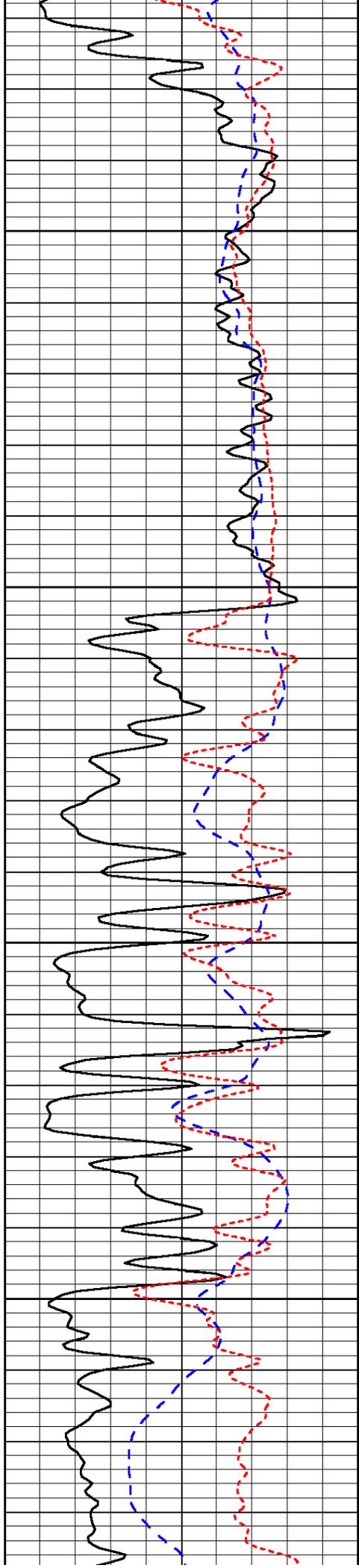
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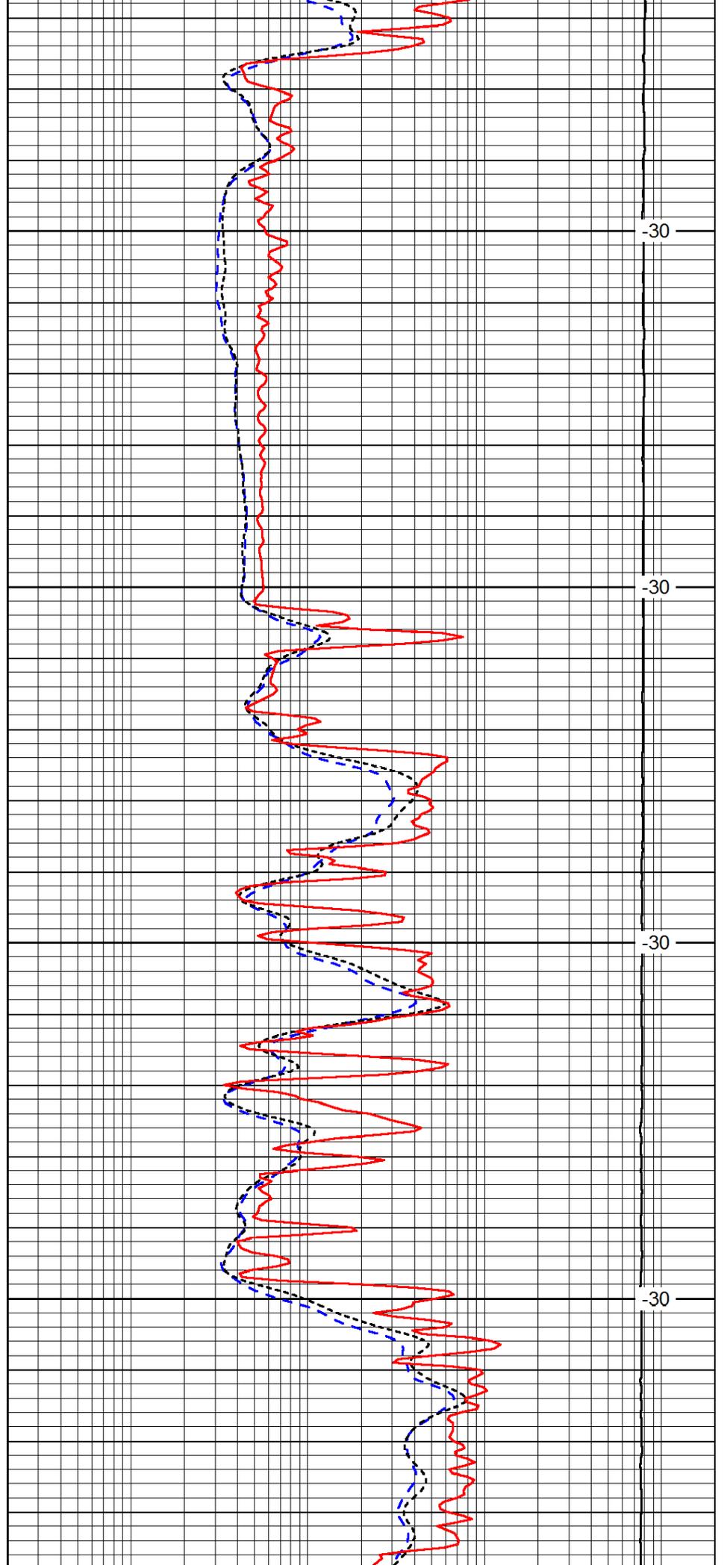


2950

3000

3050

3100

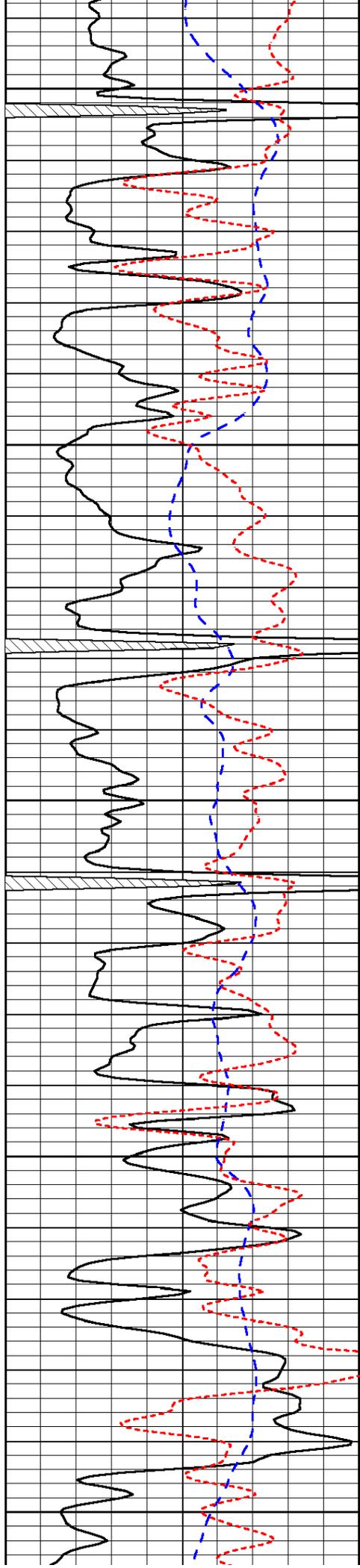


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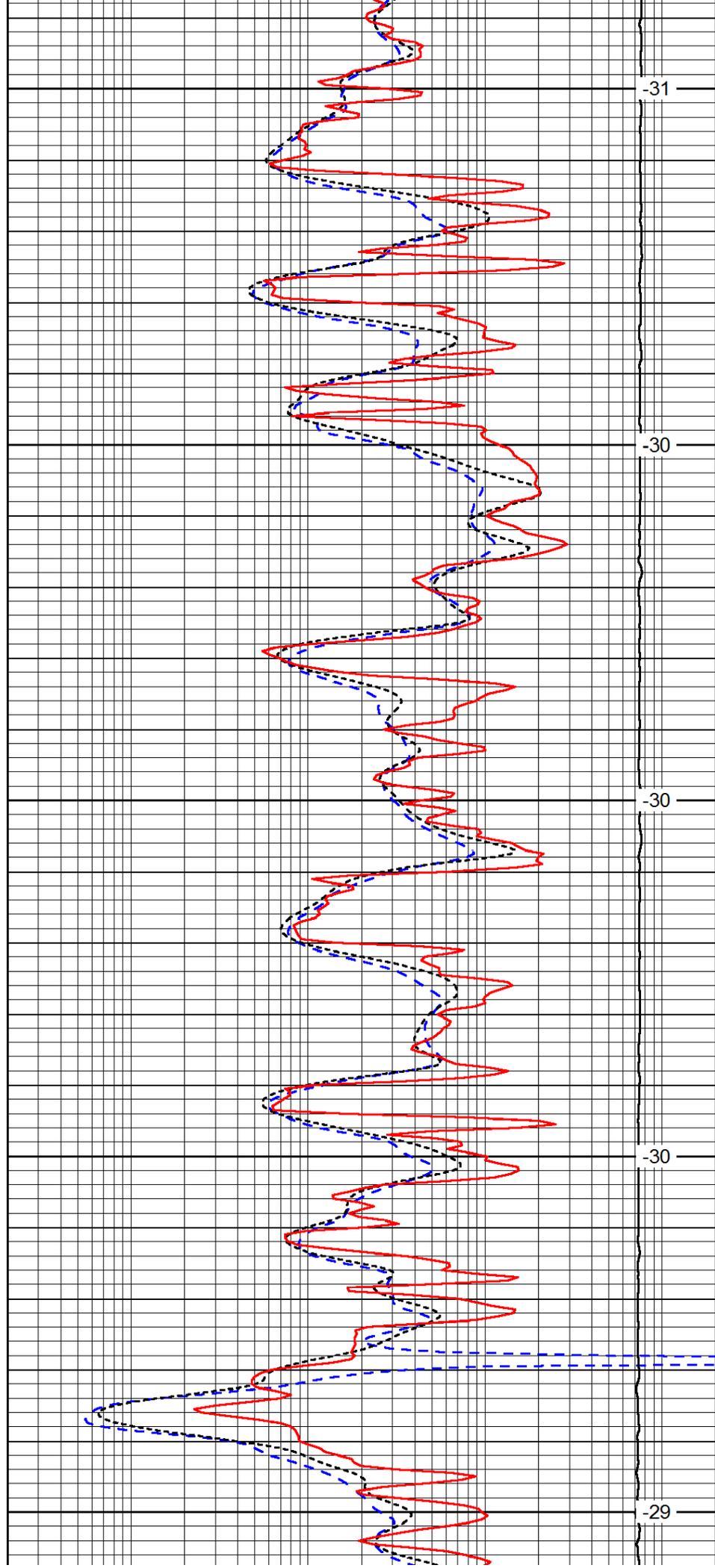
3150

3200

3250

3300

3350



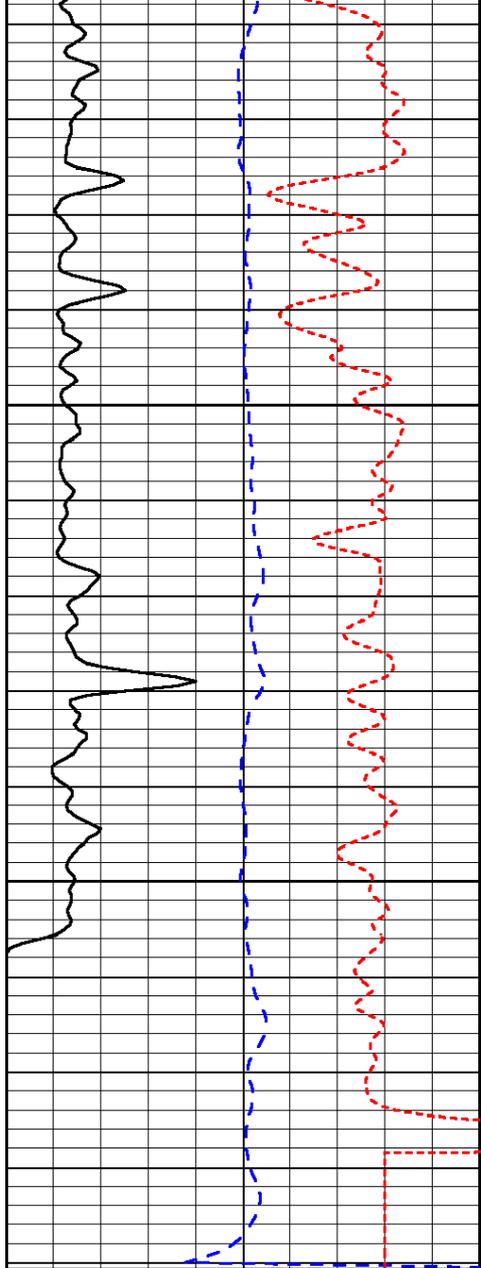
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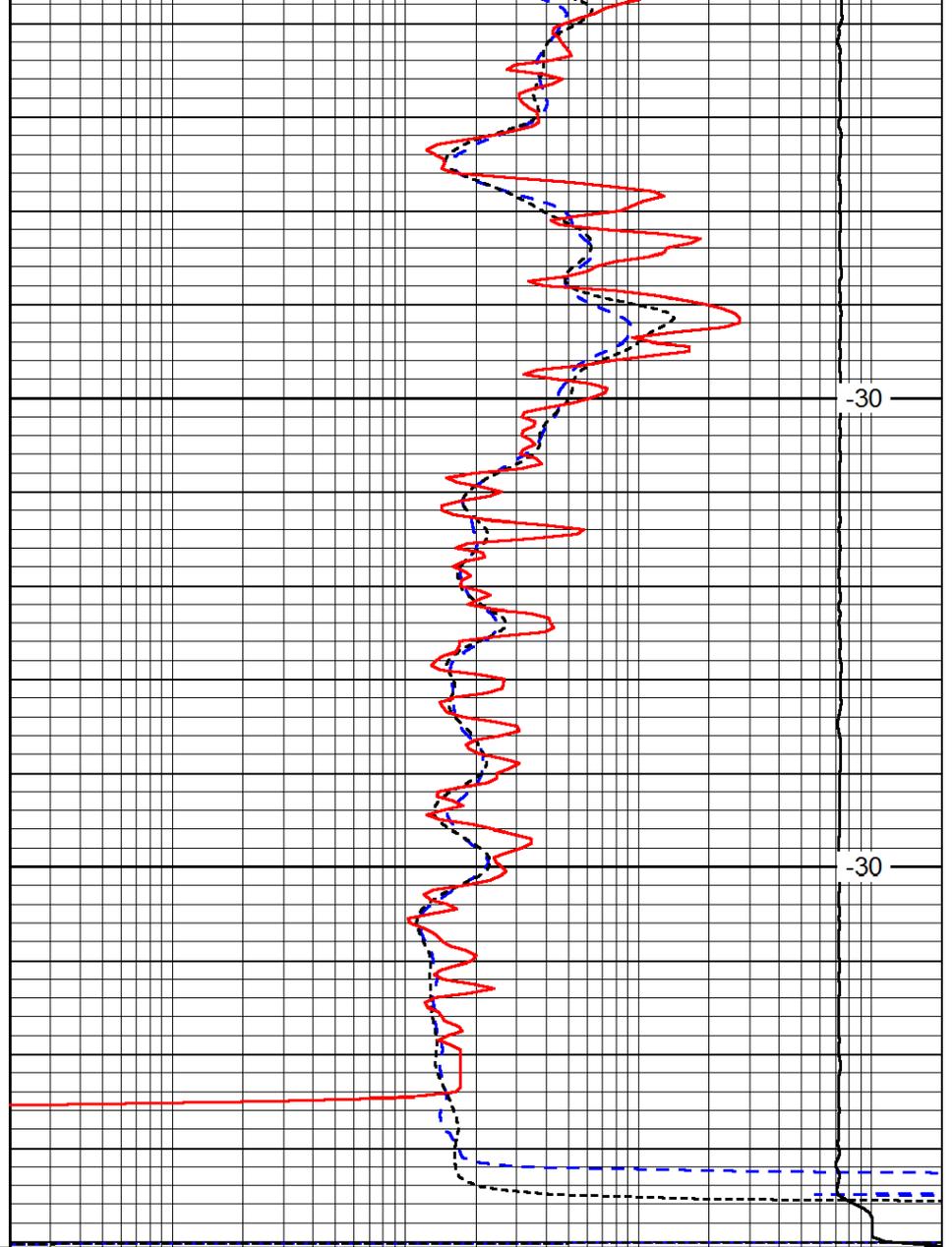
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-200	SP (mV)	0
-160	RxoRt	40

3400

3450



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15000	Line Tension	0

LSPD