

LOG-TECH



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-051-26,317-00-00

Company **TDI, Inc.**
 Well **Derrick Unit No. 1**
 Field **Dinges**
 County **Ellis** State **Kansas**

Location **SE SE SE SE
 100' FSL & 230' FEL**

Sec: **4** Twp: **15 S** Rge: **18 W**

Other Services
 CNL/CDL
 MEL

Permanent Datum **Ground Level** Elevation 2027
 Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
 K.B. 2037
 D.F. G.L. 2027

Date	7/8/2012
Run Number	One
Depth Driller	3750
Depth Logger	3743
Bottom Logged Interval	3742
Top Log Interval	200
Casing Driller	8.625 @ 213
Casing Logger	209
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2100
Density / Viscosity	9.3 57
pH / Fluid Loss	10.5 7.2
Source of Sample	Flowline
Rm @ Meas. Temp	.70 @ 65
Rmf @ Meas. Temp	.53 @ 65
Rmc @ Meas. Temp	.95 @ 65
Source of Rmf / Rmc	Charts
Rm @ BHT	.40 @ 114
Operating Rig Time	3 1/2 Hours
Max Rec. Temp. F	114
Equipment Number	17
Location	Hays
Recorded By	D. Martin
Witnessed By	Tom Denning

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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

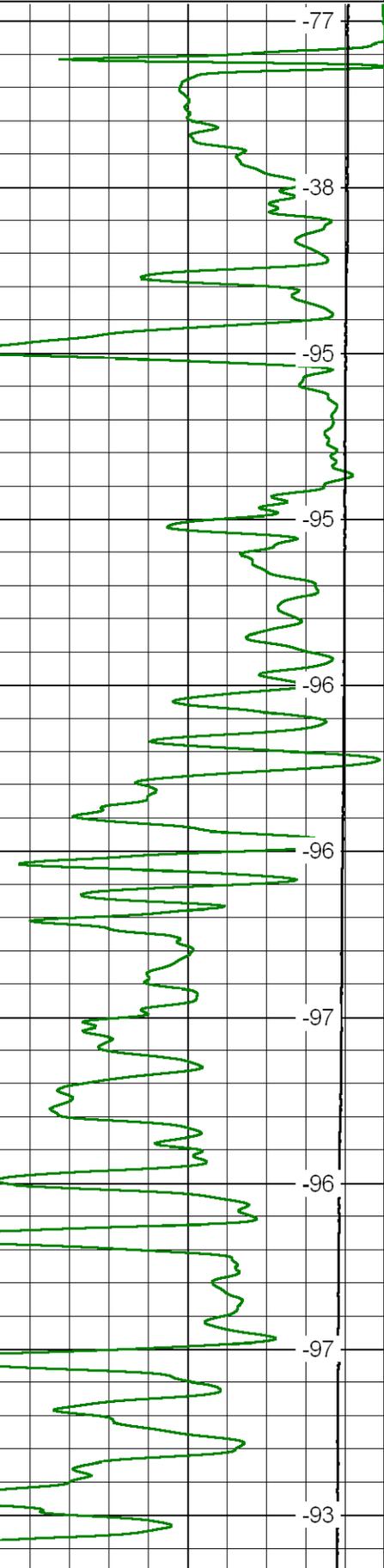
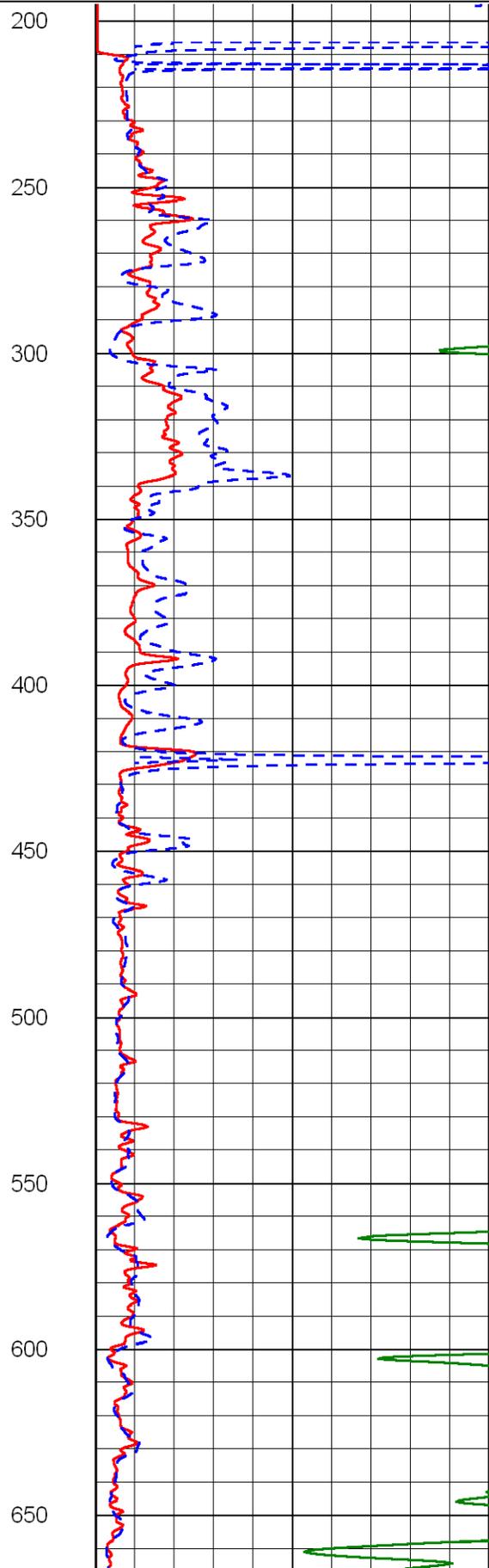
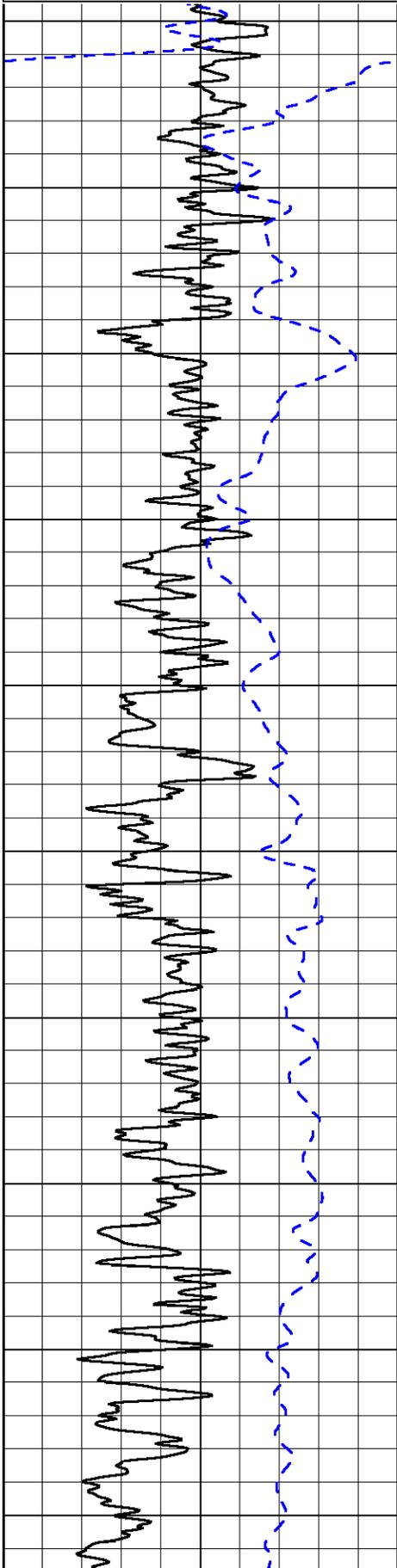
Antonino Blacktop & Hwy 183,
 1 S, 1/8 W, N Into

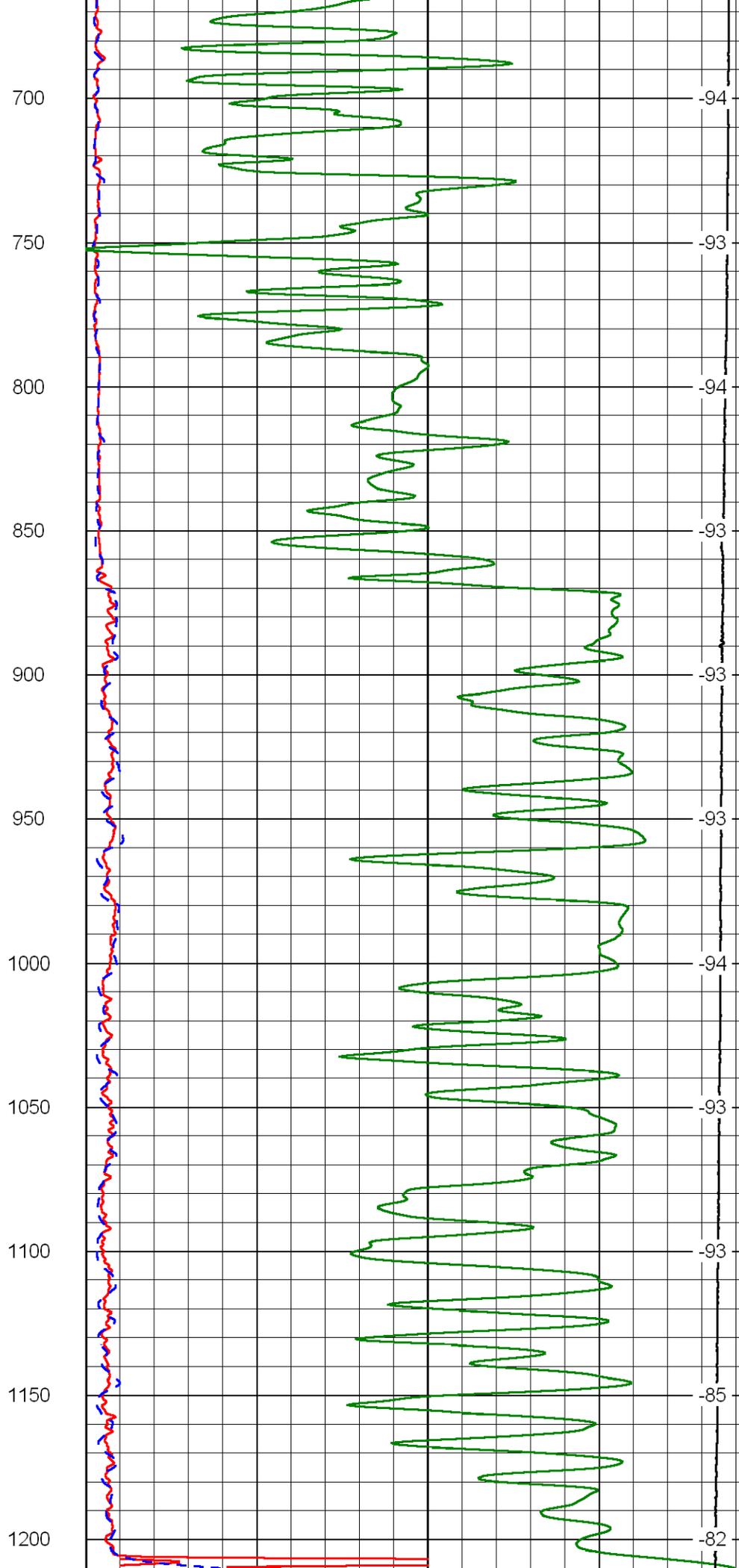
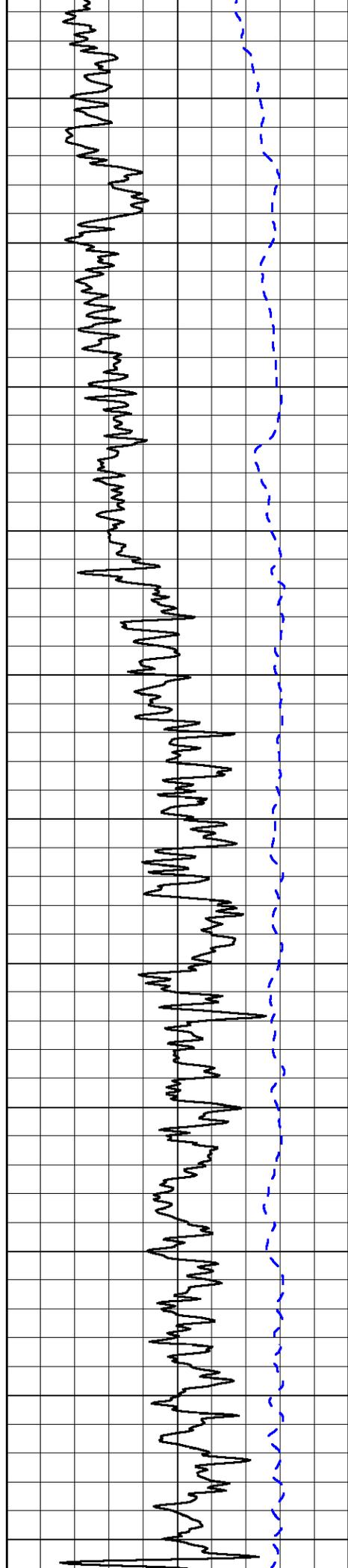
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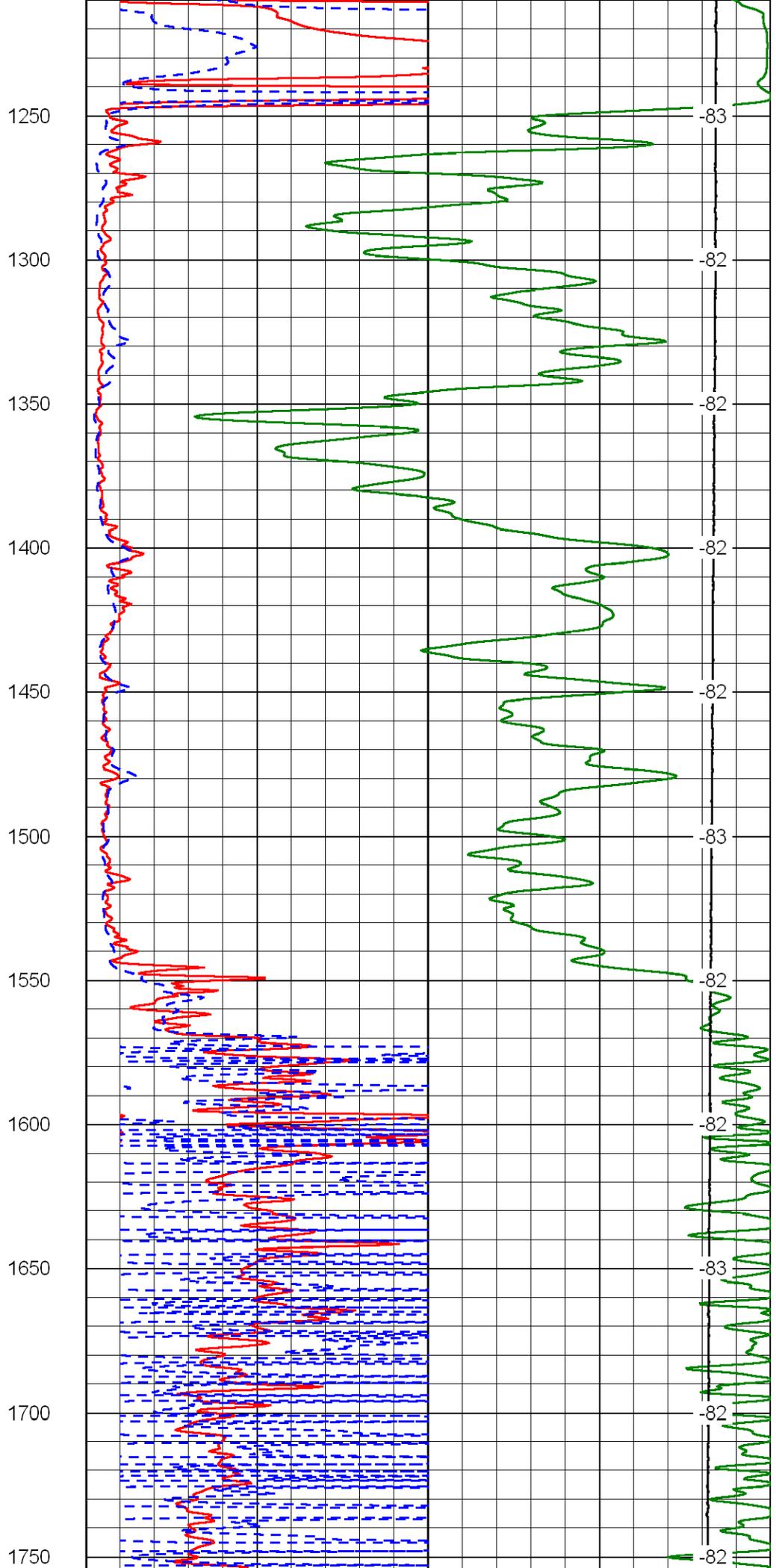
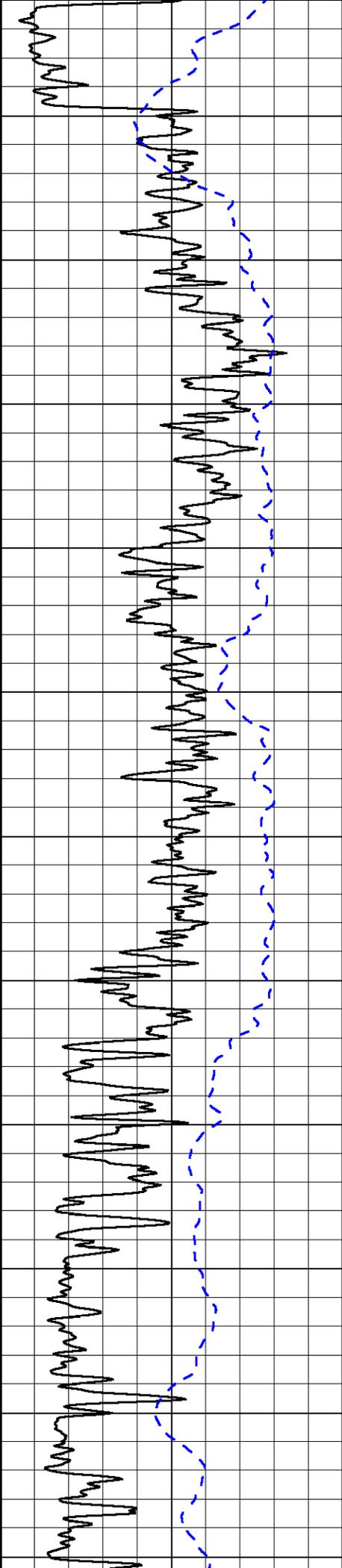
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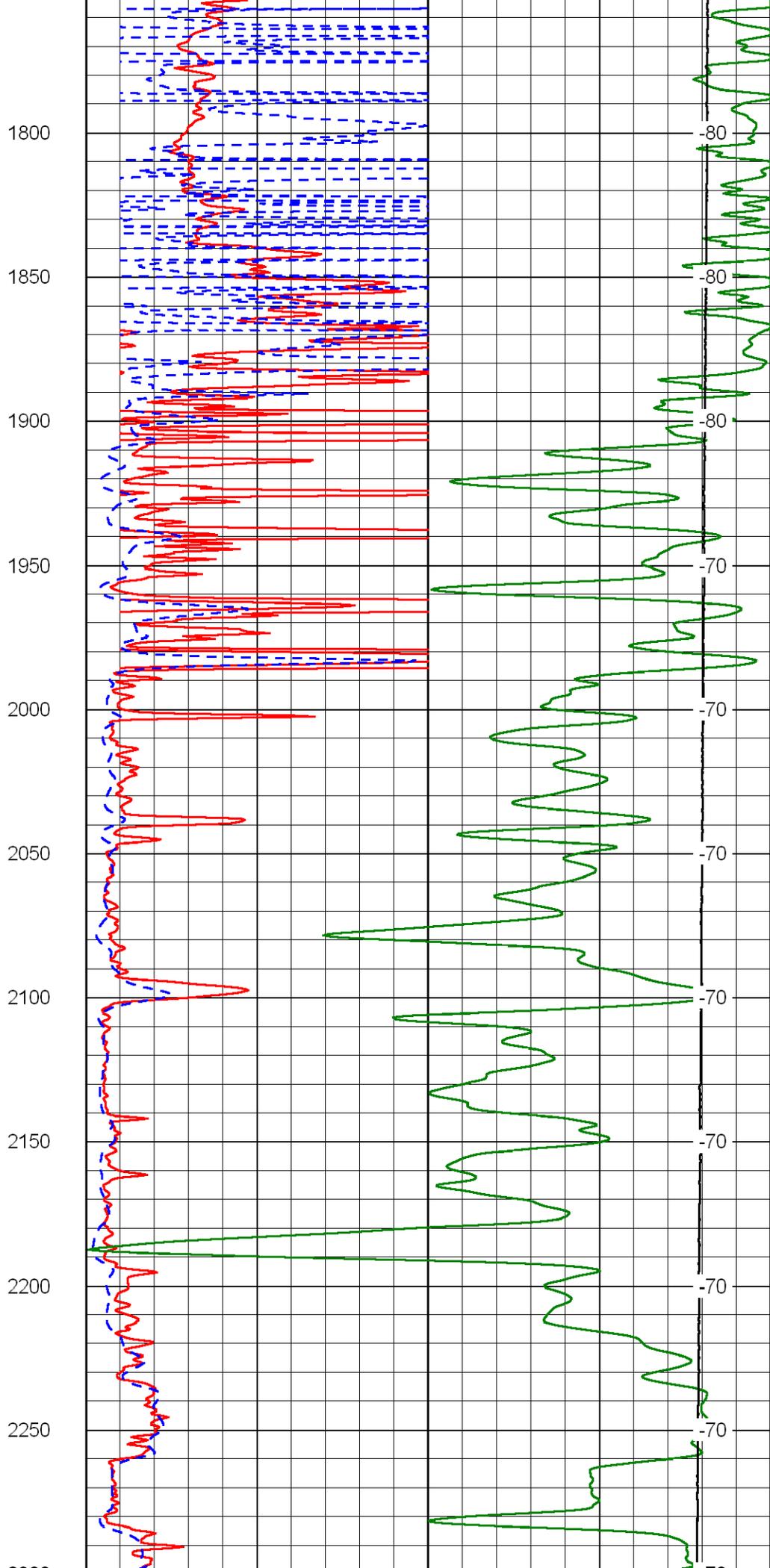
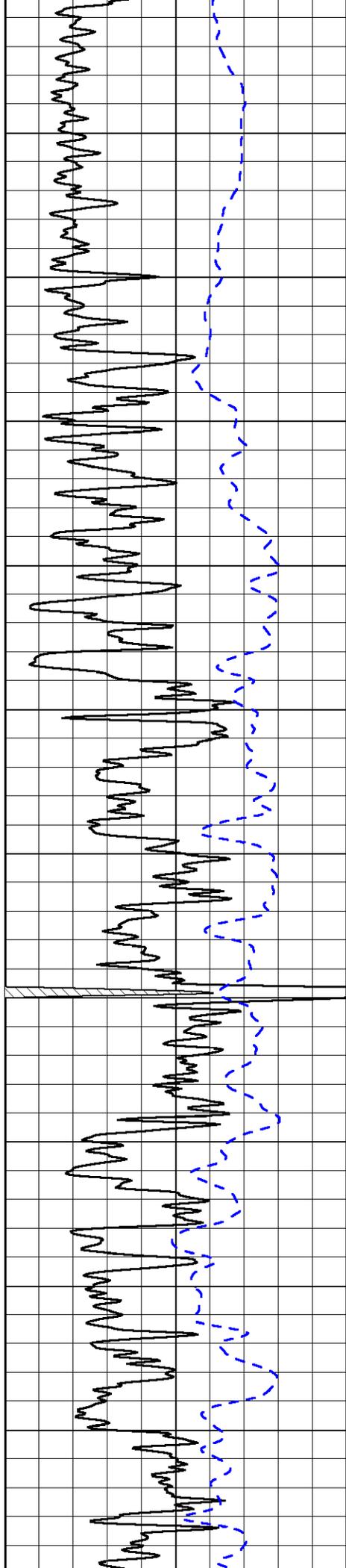
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1000 Conductivity 0
15000 Line Tension 0
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50 Deep Resistivity 50

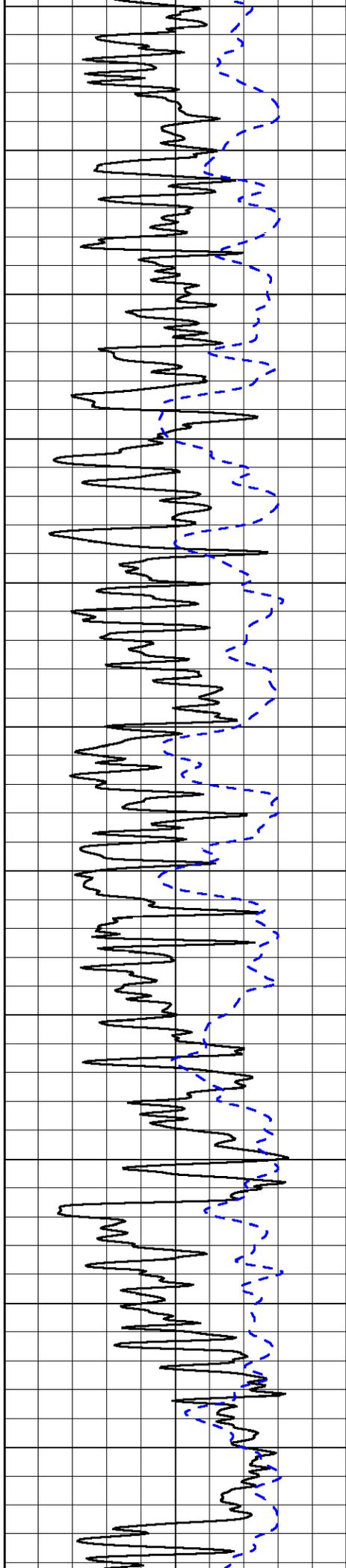
LSPD



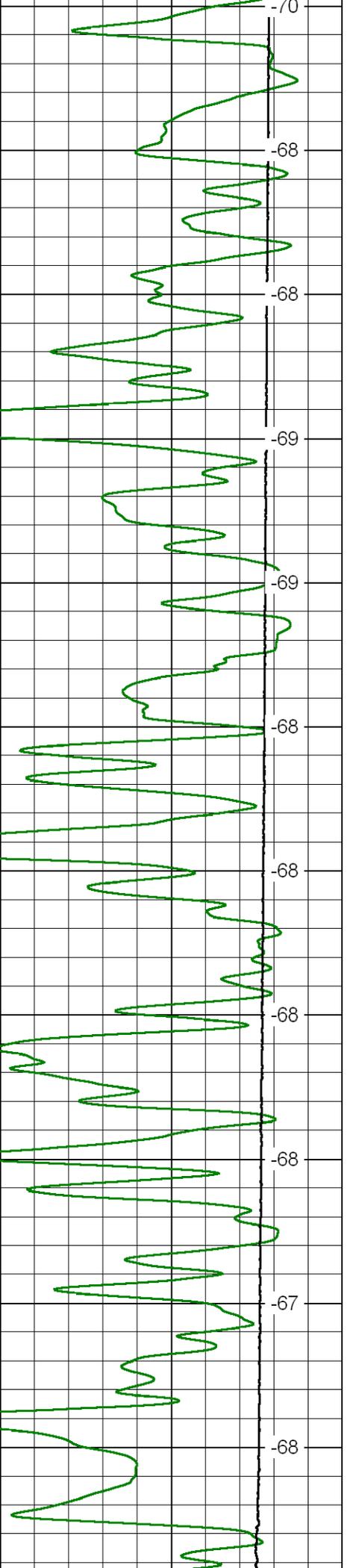
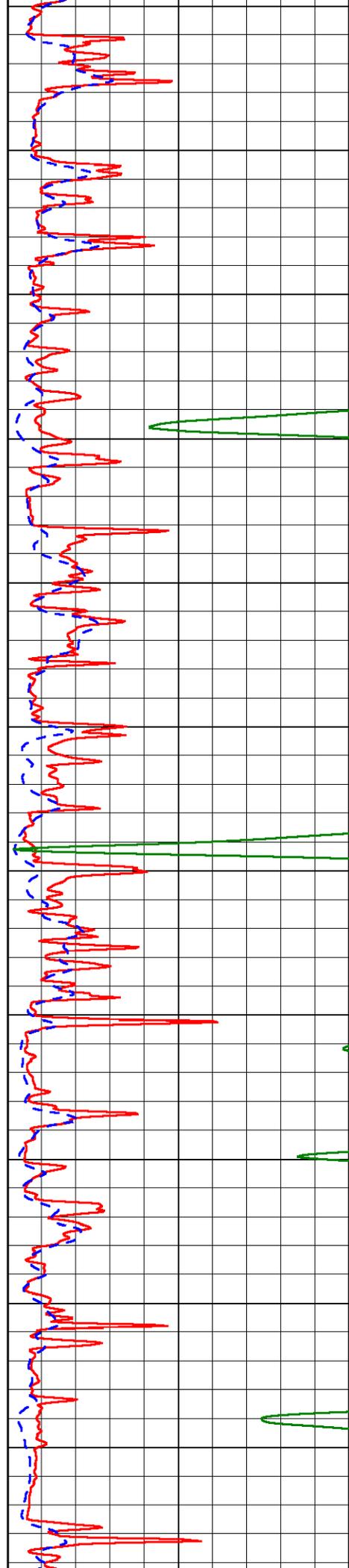


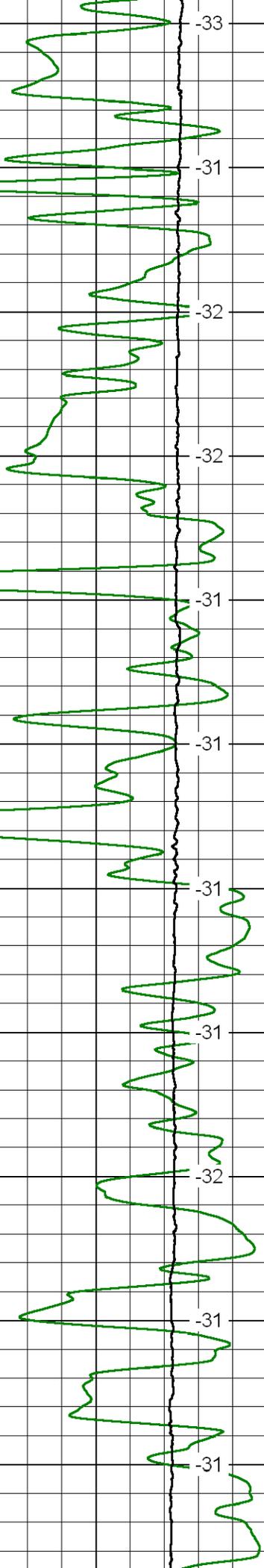
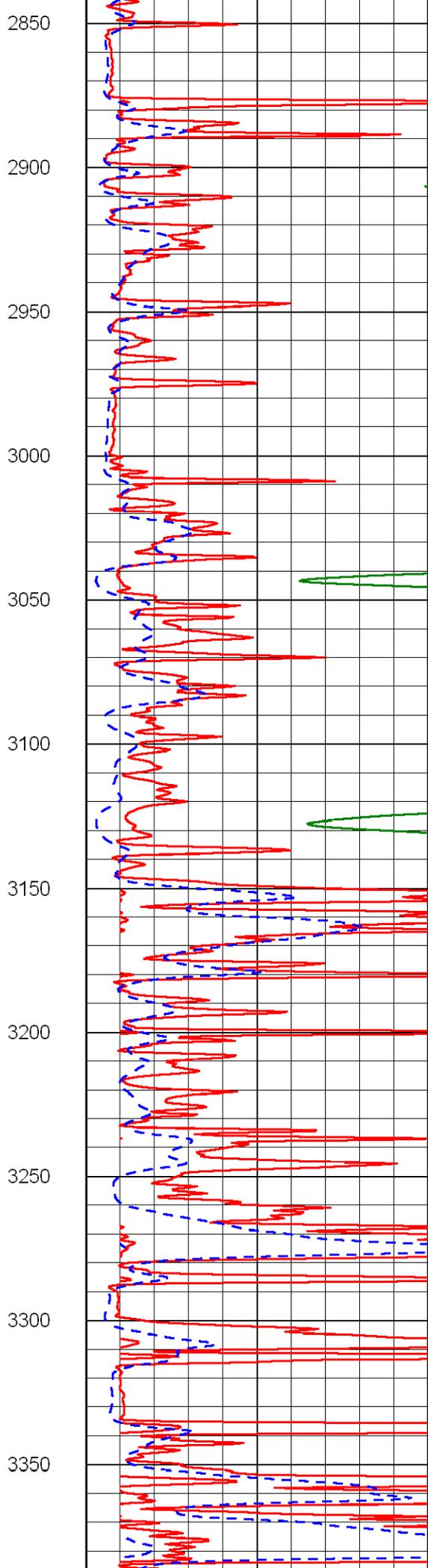
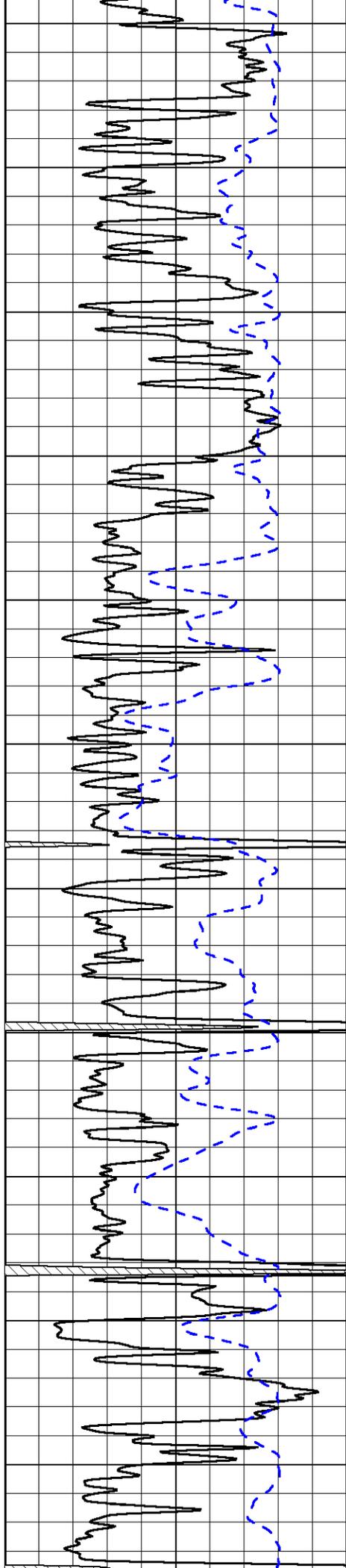


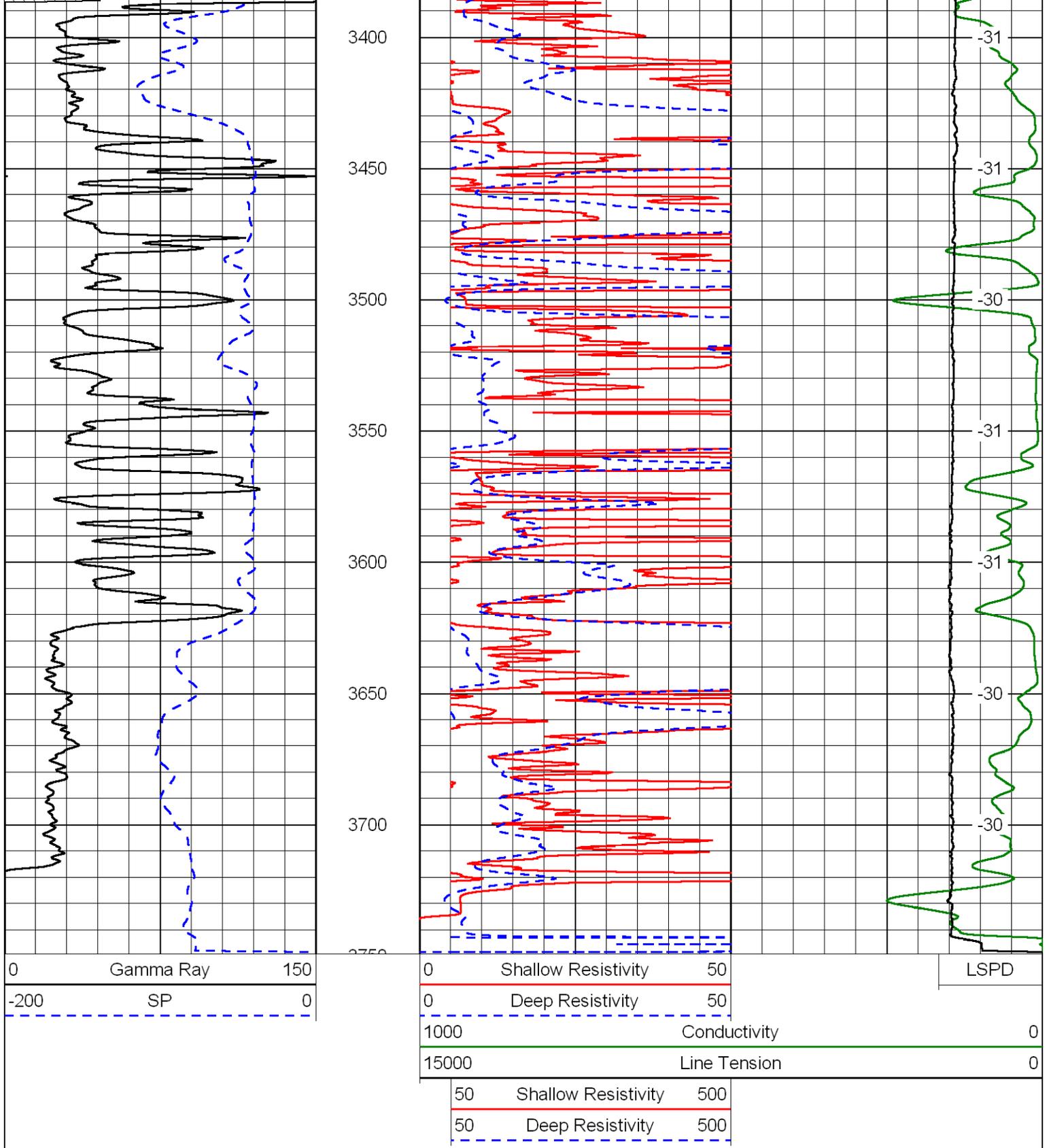




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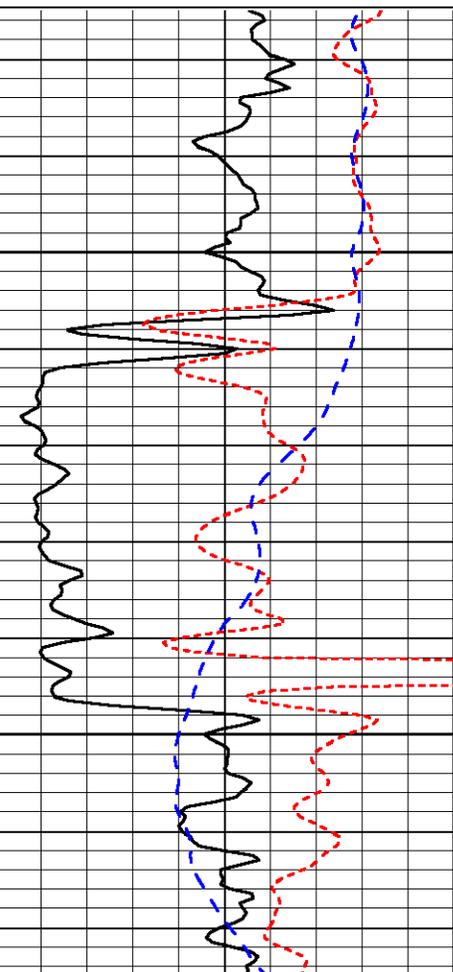






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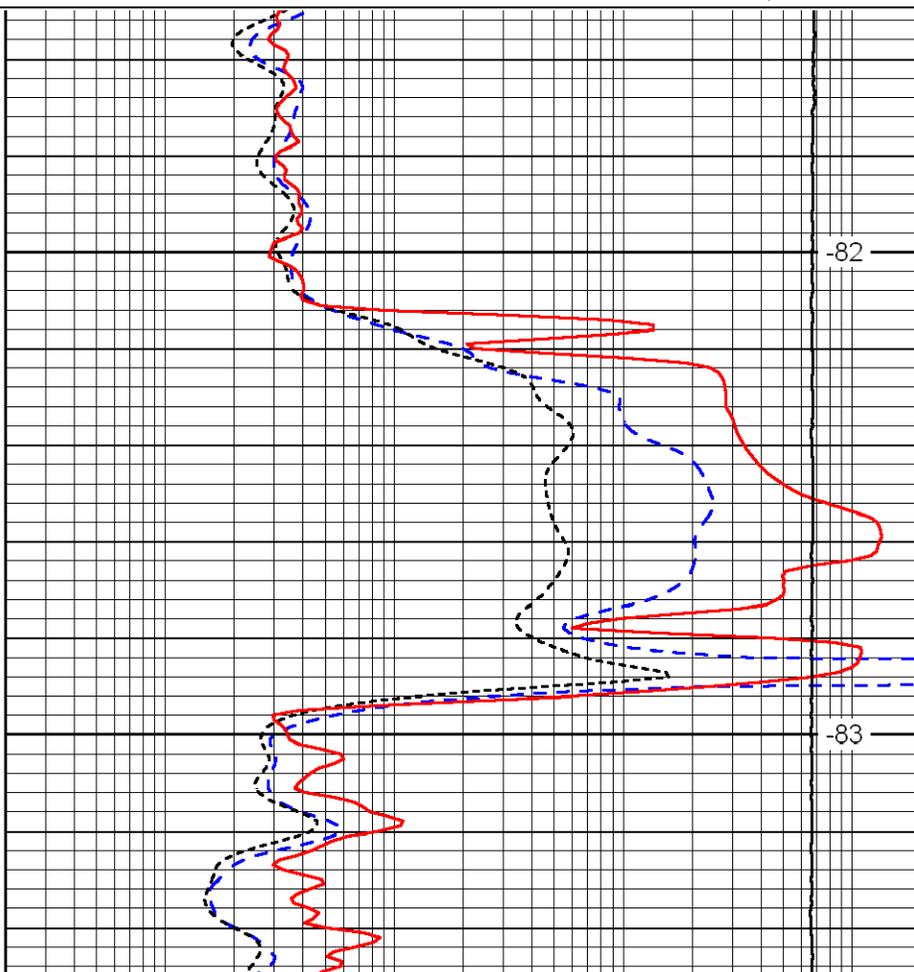




0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

1200

1250



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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

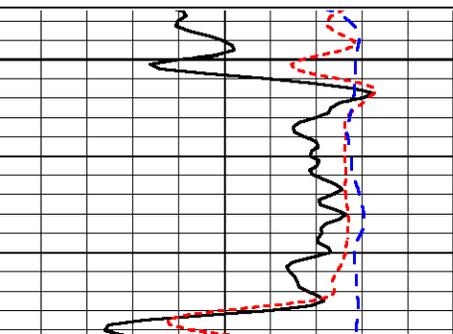
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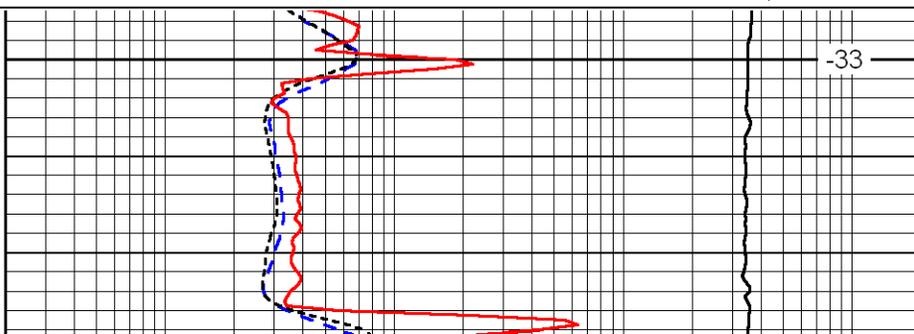
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-160	RXO/RT	40
-200	SP	0

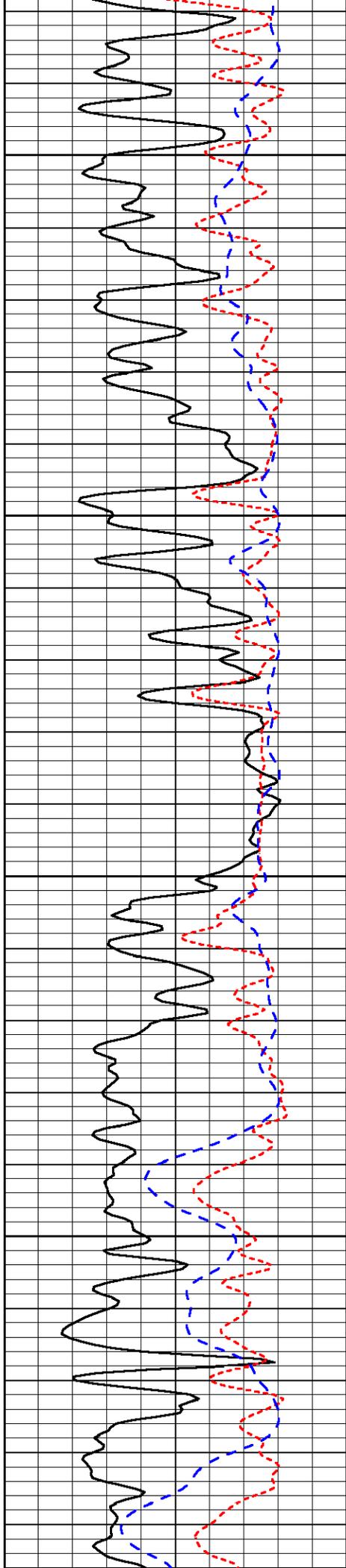
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0



2850



-33

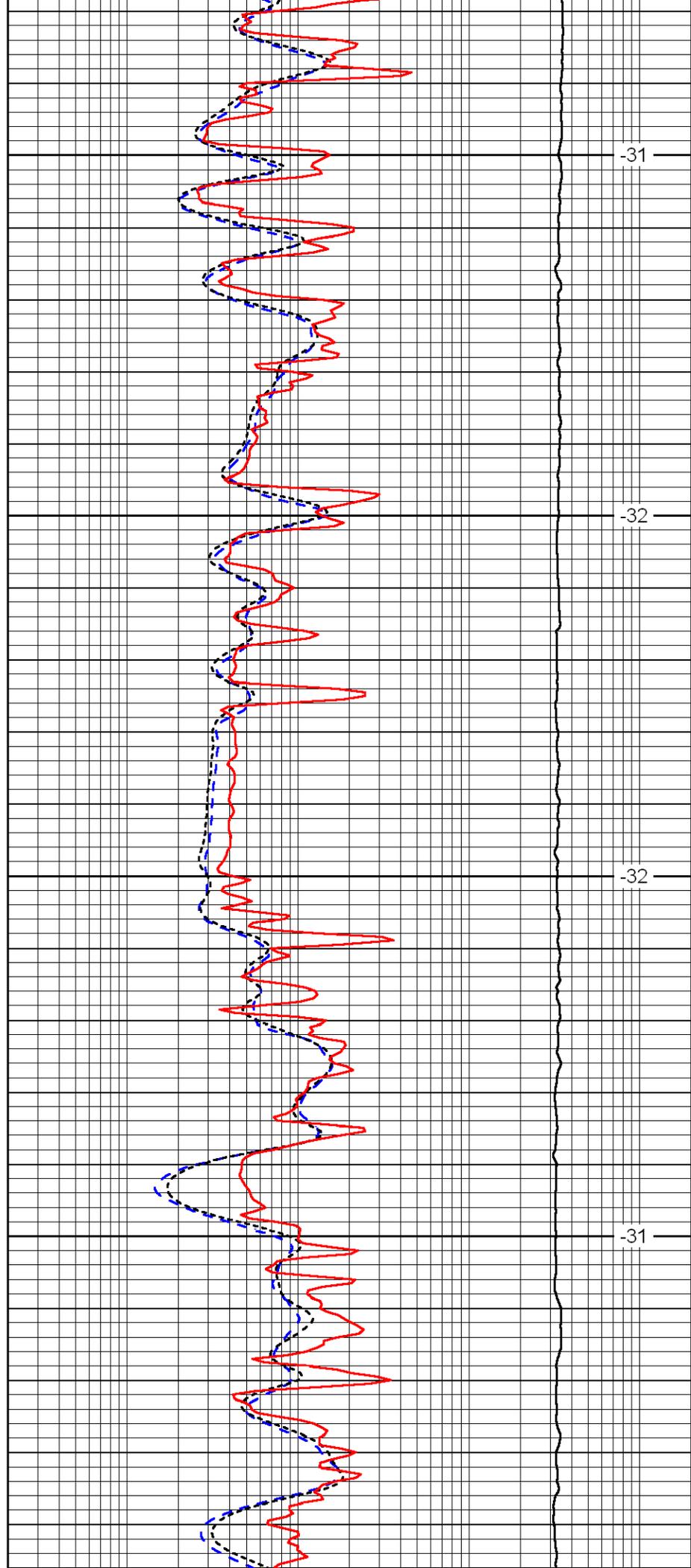


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2950

3000

3050

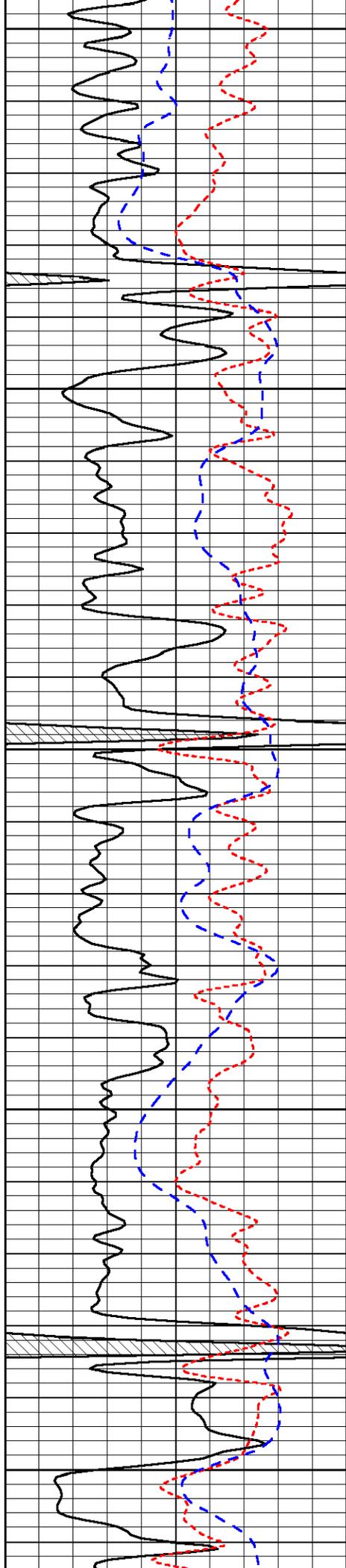


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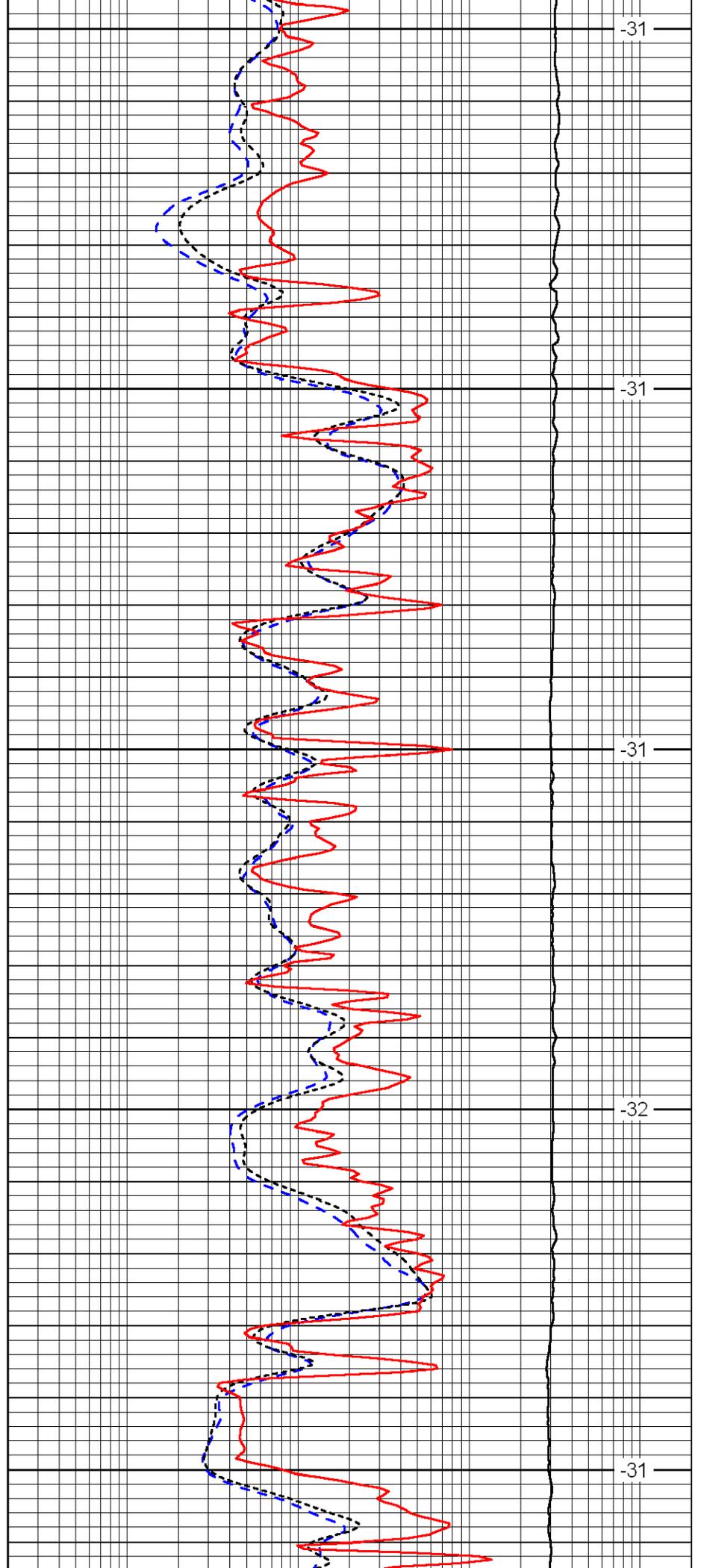
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3150

3200

3250

3300



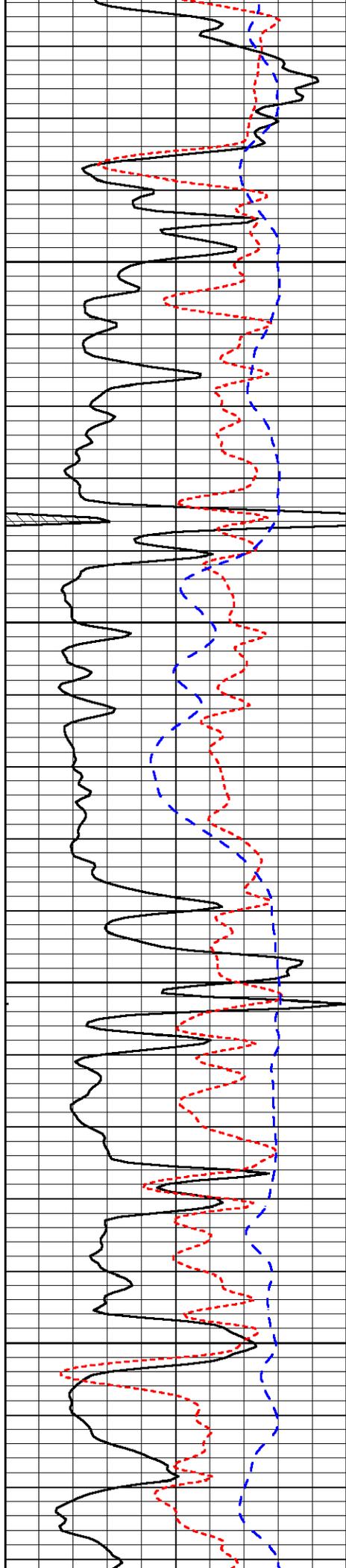
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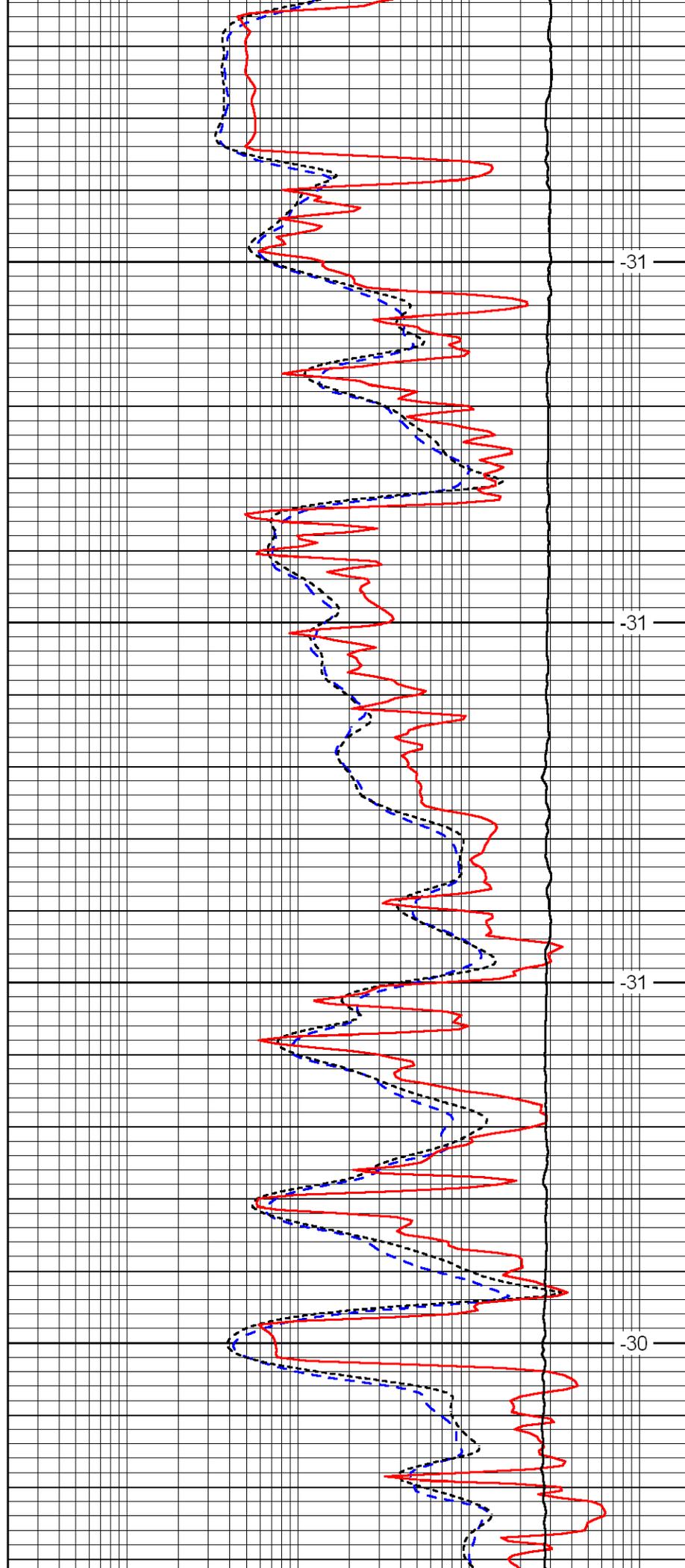


3350

3400

3450

3500

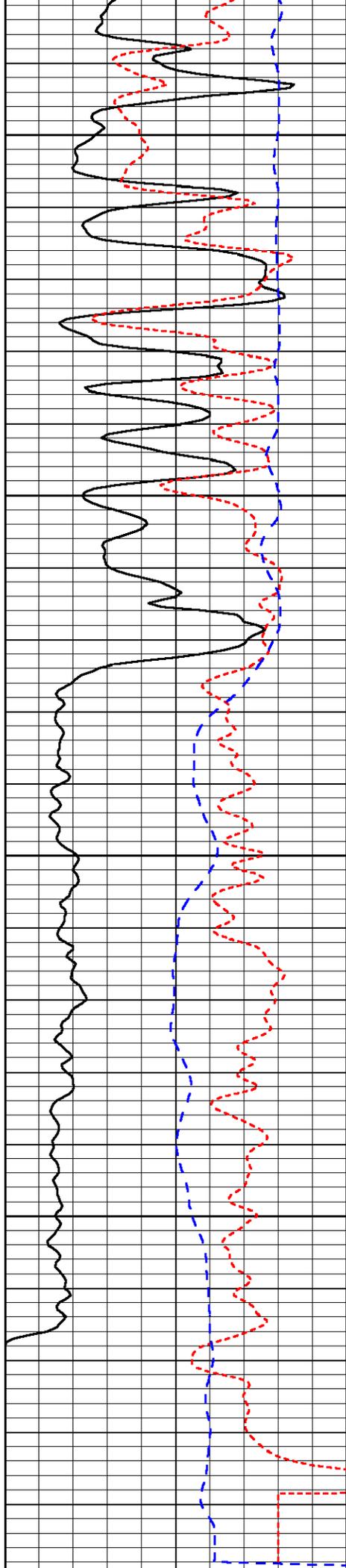


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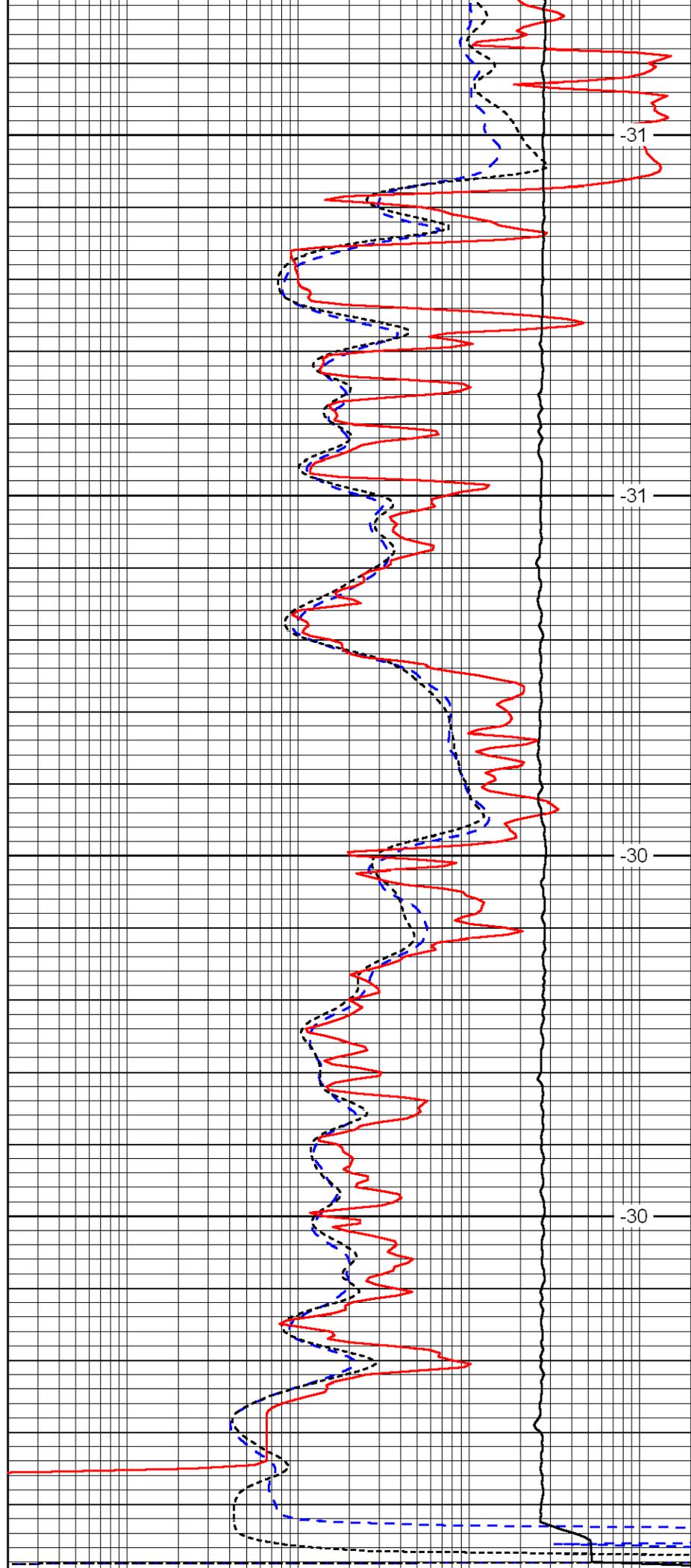


3550

3600

3650

3700



-31

-31

-30

-30

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD