



Pioneer Energy Services

Dual Induction Log

API No.	15-051-26,345-00-00	
Company	TDL, Inc.	
Well	Orville No. 1	
Field	Wildcat	
County	Ellis	State
		Kansas
Location	NE NE SW SE 1,250' FSL & 1,330' FEL	
Sec: 7	Twp: 15S	Rge: 19W
Permanent Datum	Ground Level	Elevation 2024
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 2034 D.F. G.L. 2024

Date	8/29/2012
Run Number	One
Depth Driller	3707
Depth Logger	3706
Bottom Logged Interval	3705
Top Log Interval	1250
Casing Driller	8.625 @ 1283
Casing Logger	1281
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	3600
Density / Viscosity	9.1 53
pH / Fluid Loss	10.5 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	.75 @ 76
Rmf @ Meas. Temp	.56 @ 76
Rmc @ Meas. Temp	1.01 @ 76
Source of Rmf / Rmc	Charts
Rm @ BHT	.50 @ 113
Operating Rig Time	4 Hours
Max Rec. Temp. F	113
Equipment Number	108
Location	Hays
Recorded By	J. Long
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

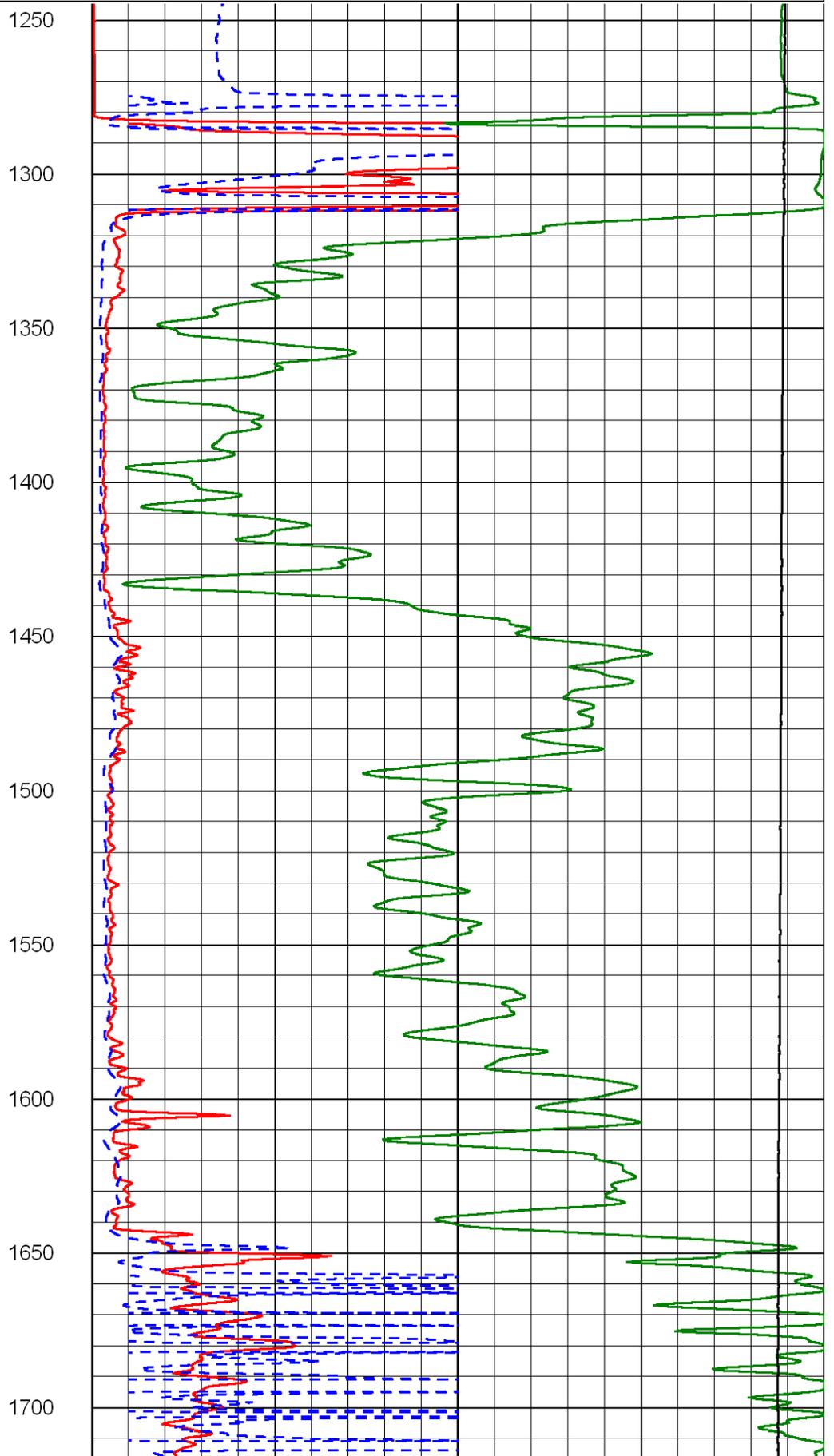
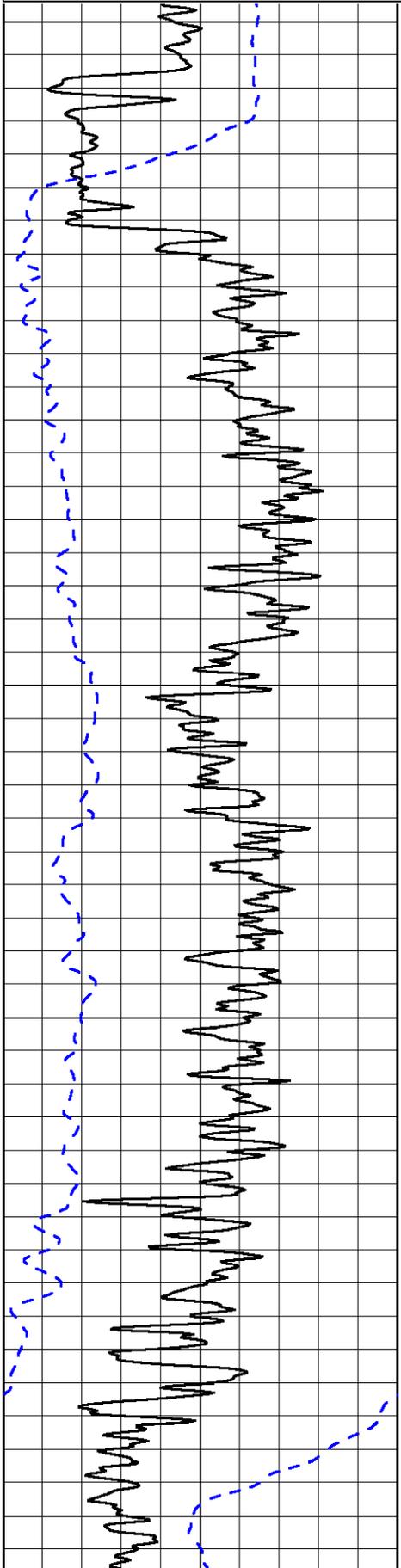
Antonino, 3 West, 2 South, 1 1/4 West, North Into

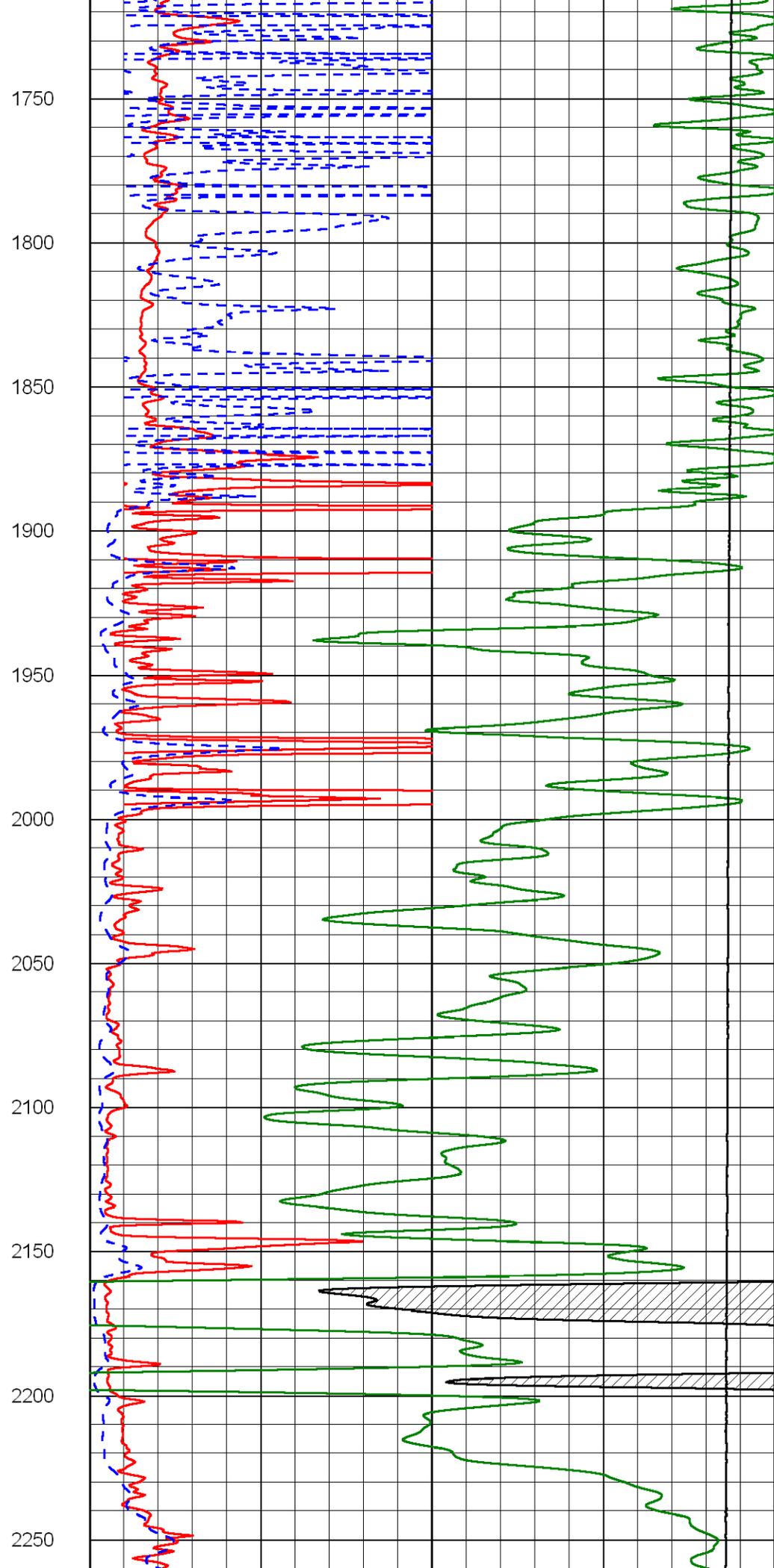
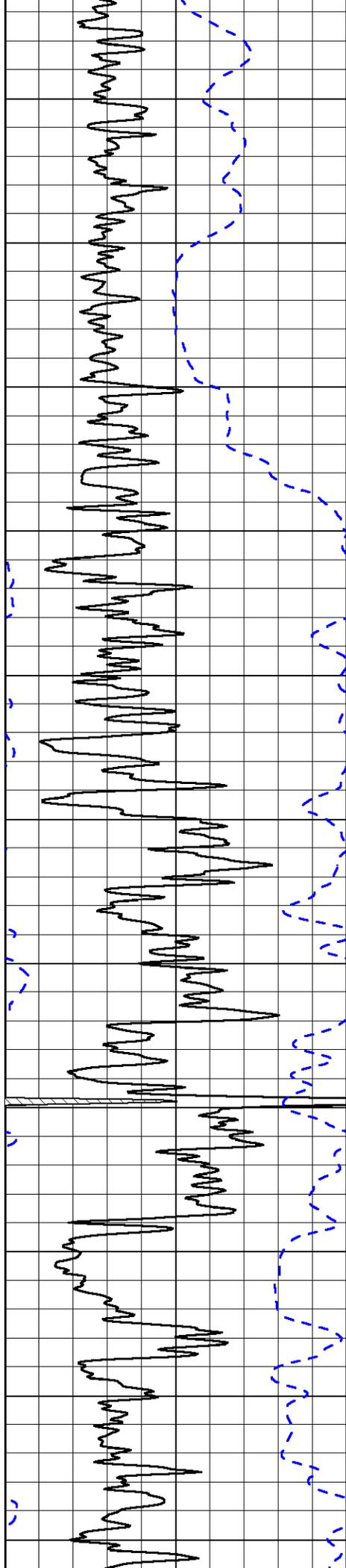
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 Presentation Format: dil2in
 Dataset Creation: Wed Aug 29 23:37:38 2012
 Charted by: Depth in Feet scaled 1:600

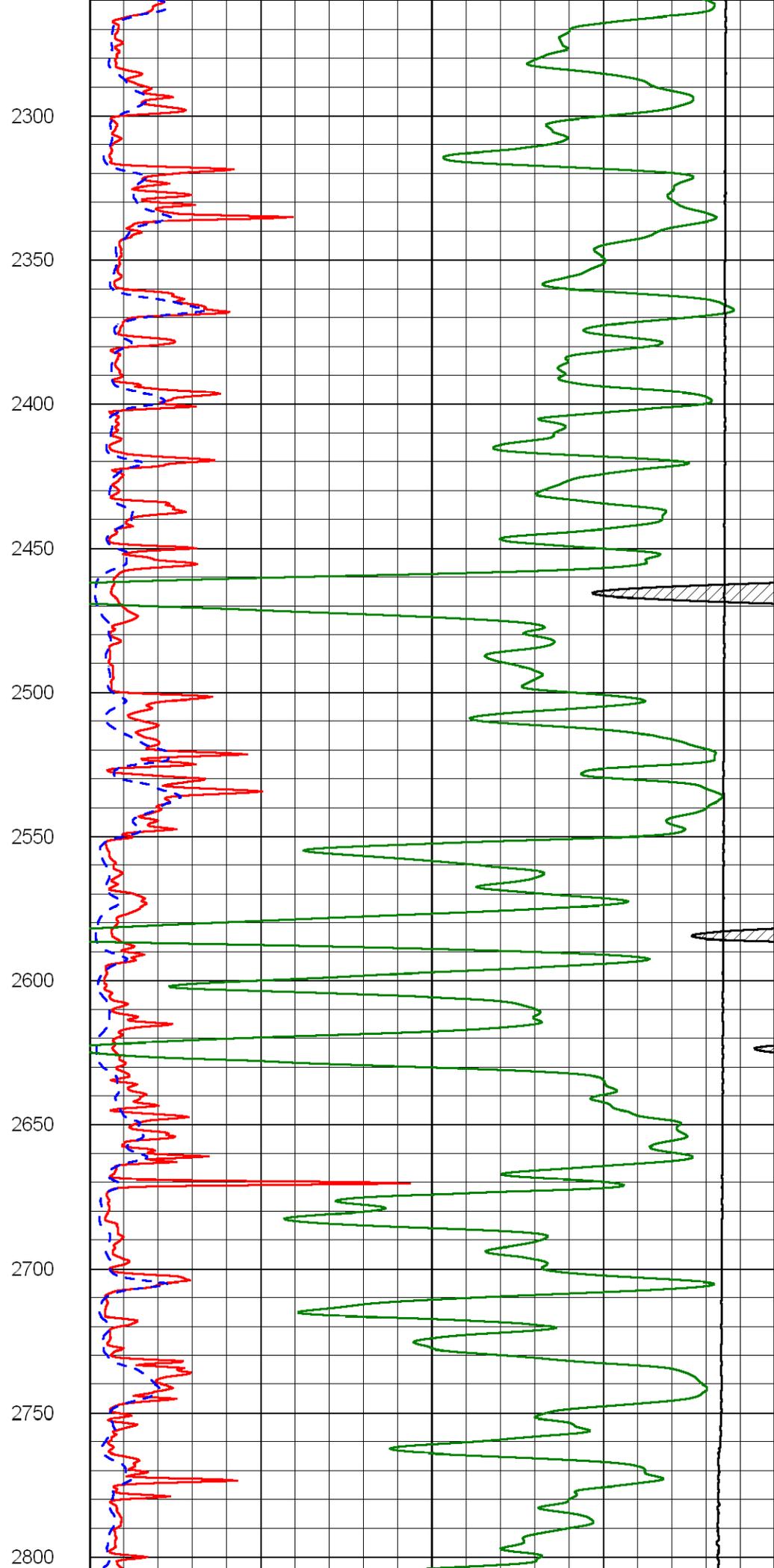
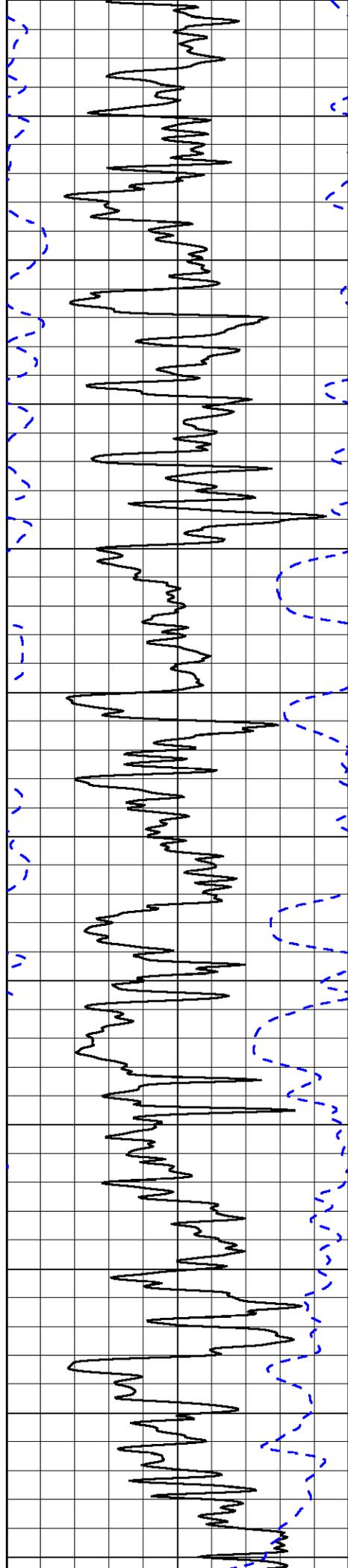
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-200	SP	0

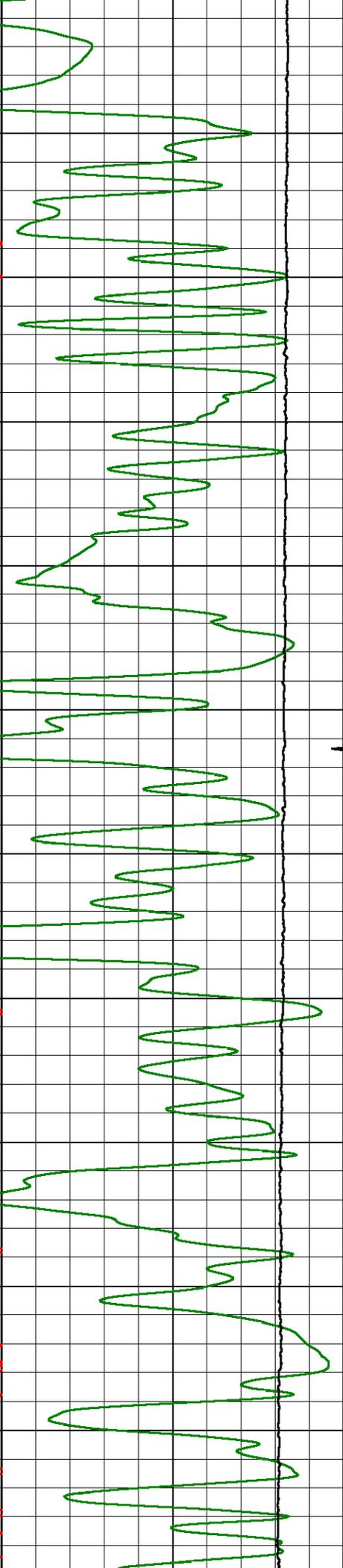
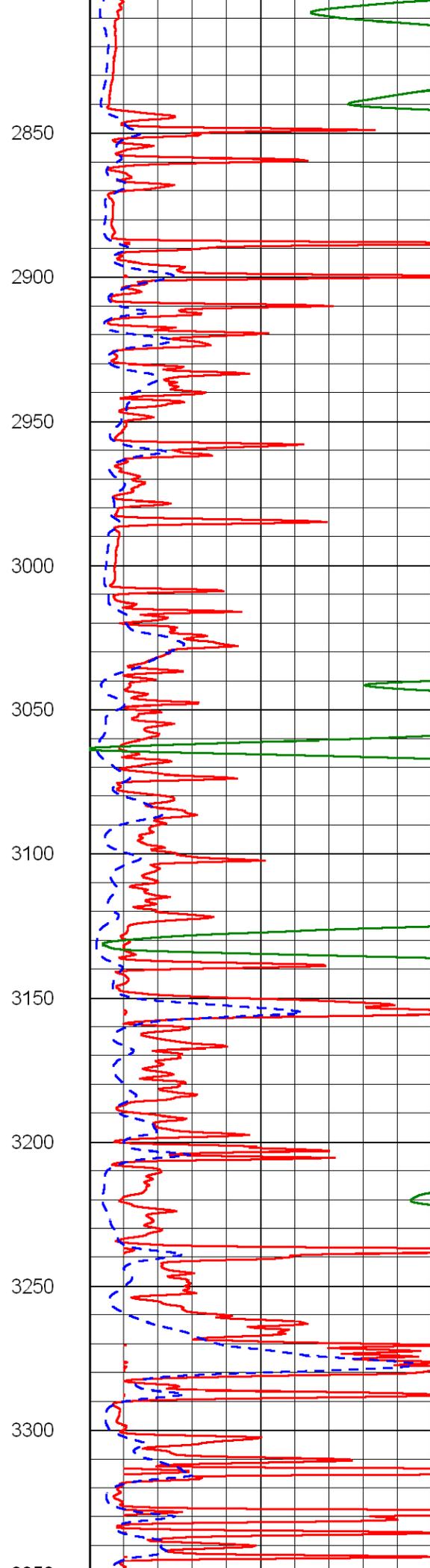
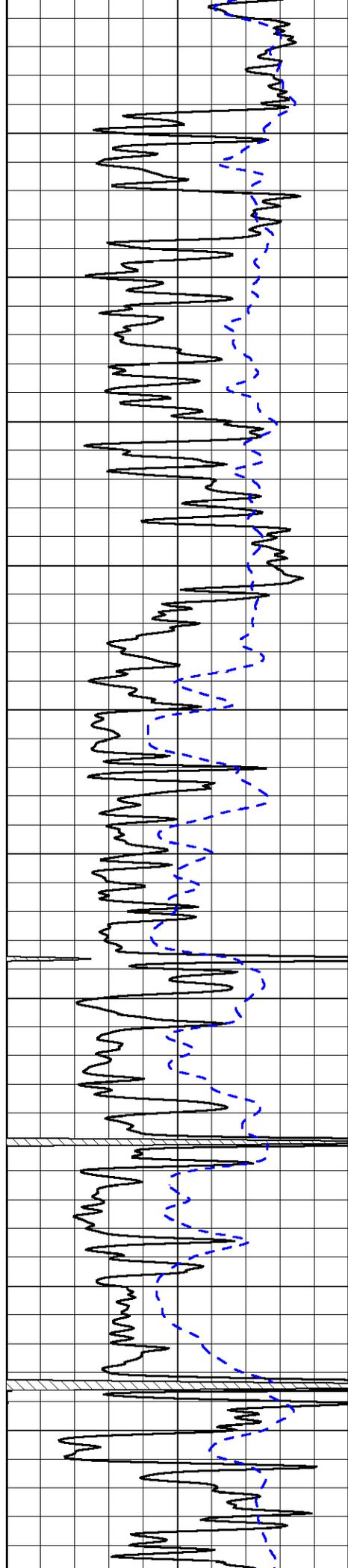
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

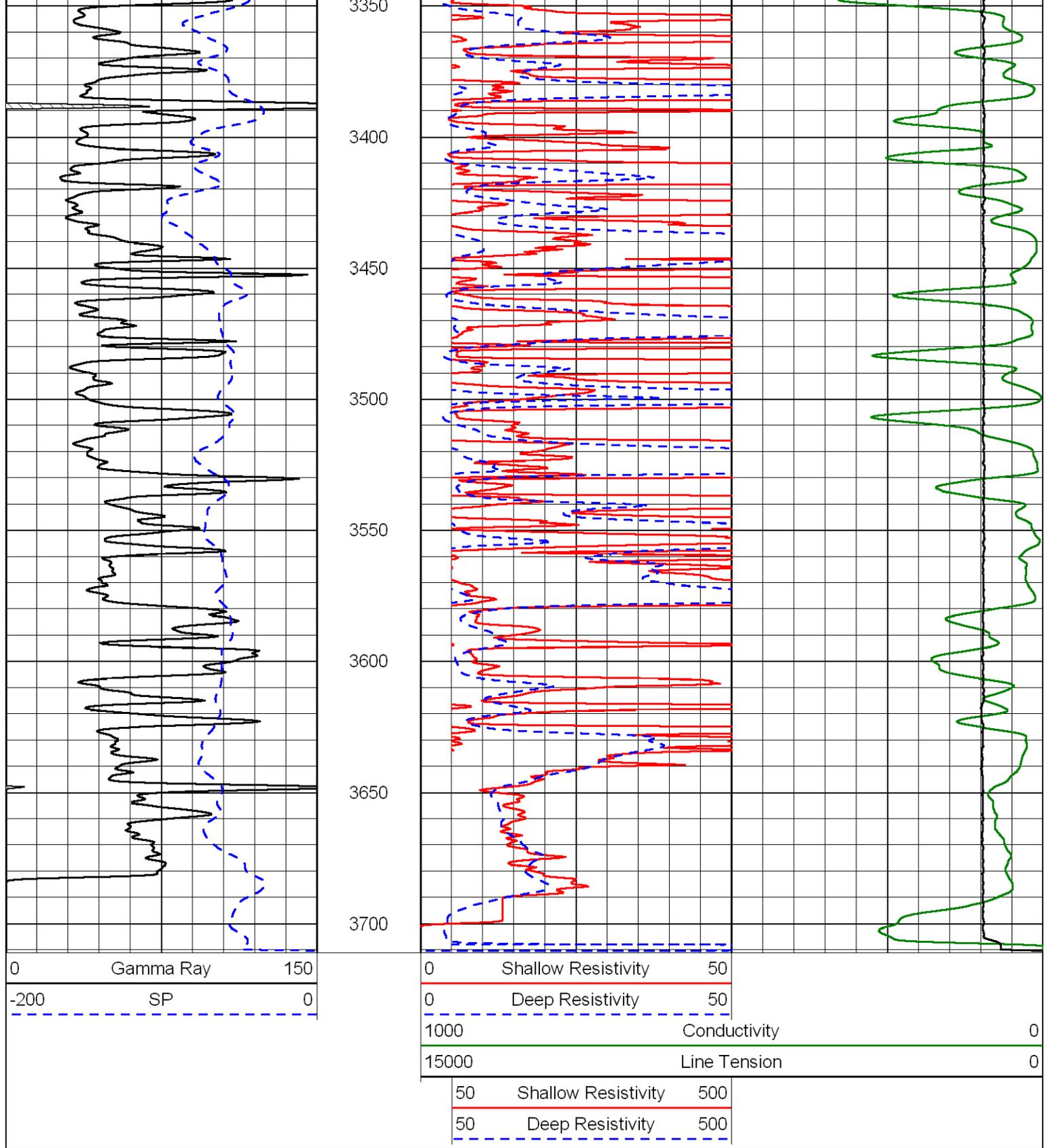
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50	Deep Resistivity	500



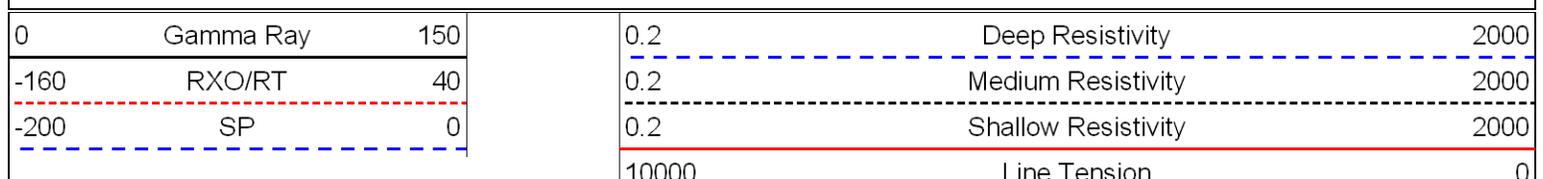


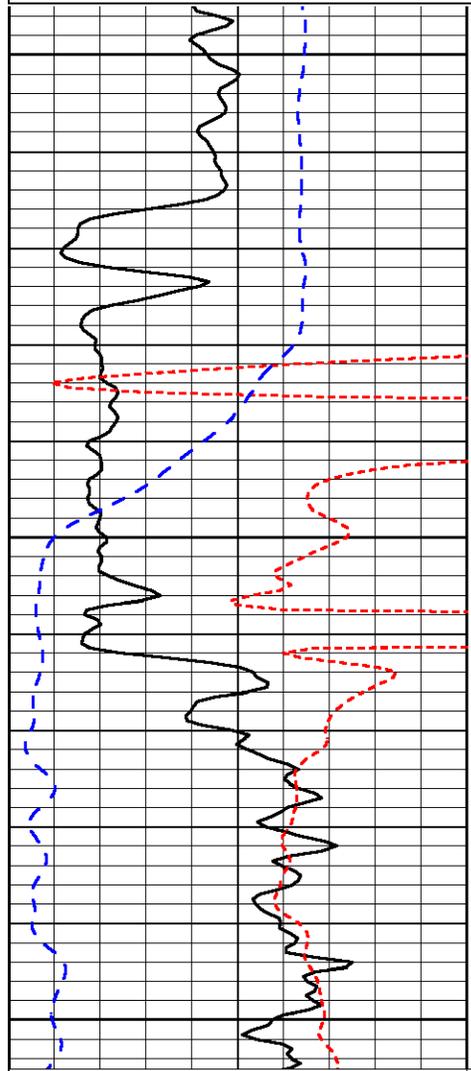






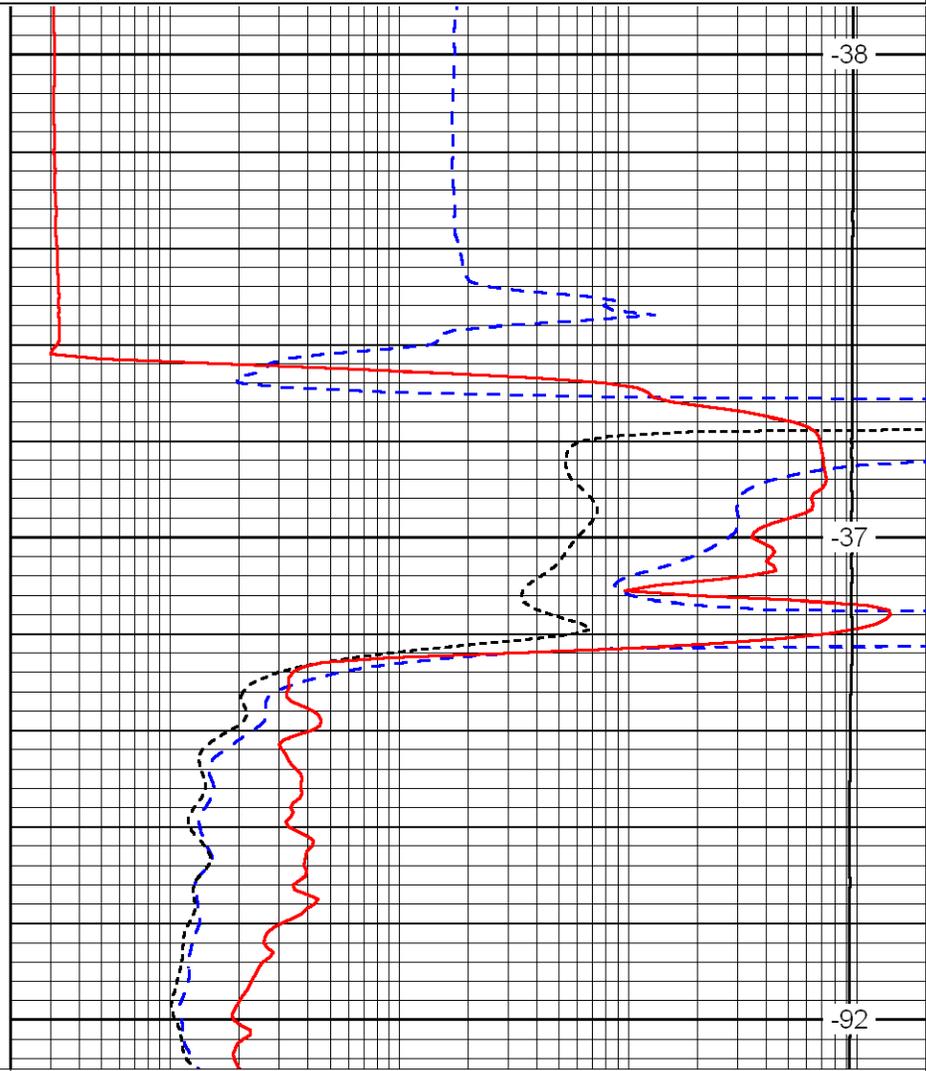
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1250
1300
1350

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



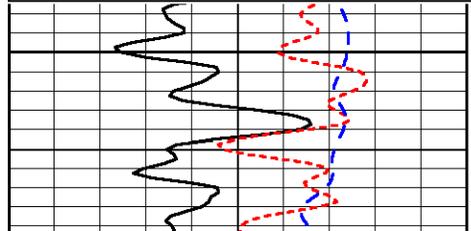
-38
-37
-92

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

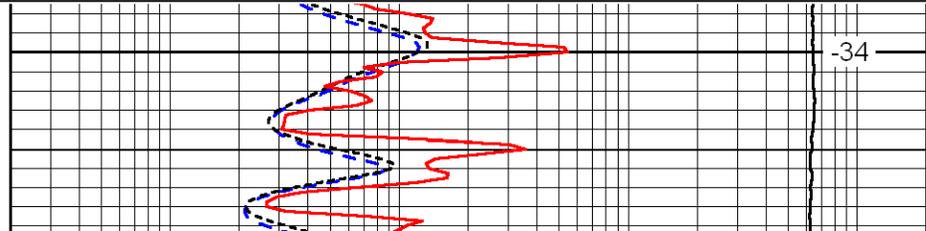
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

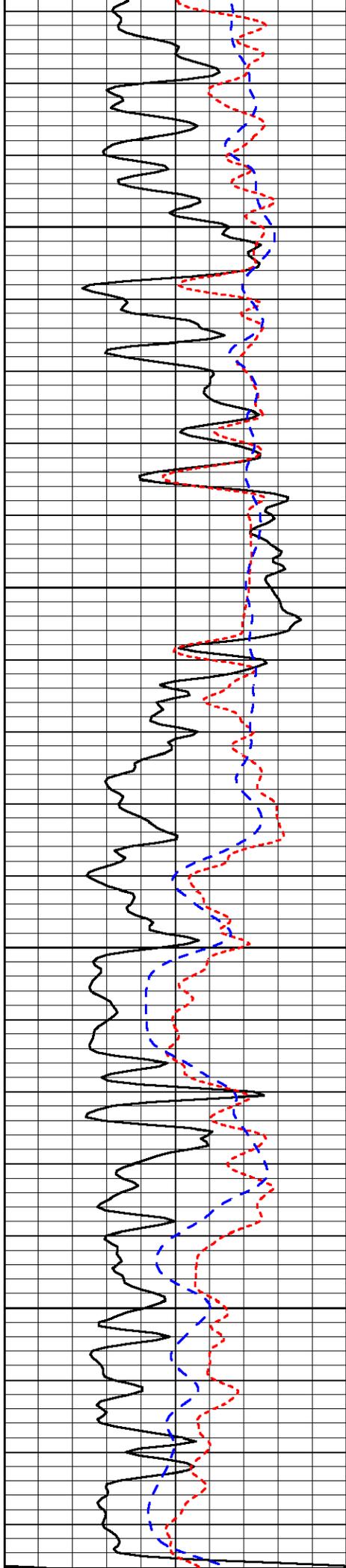
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0



2900



-34

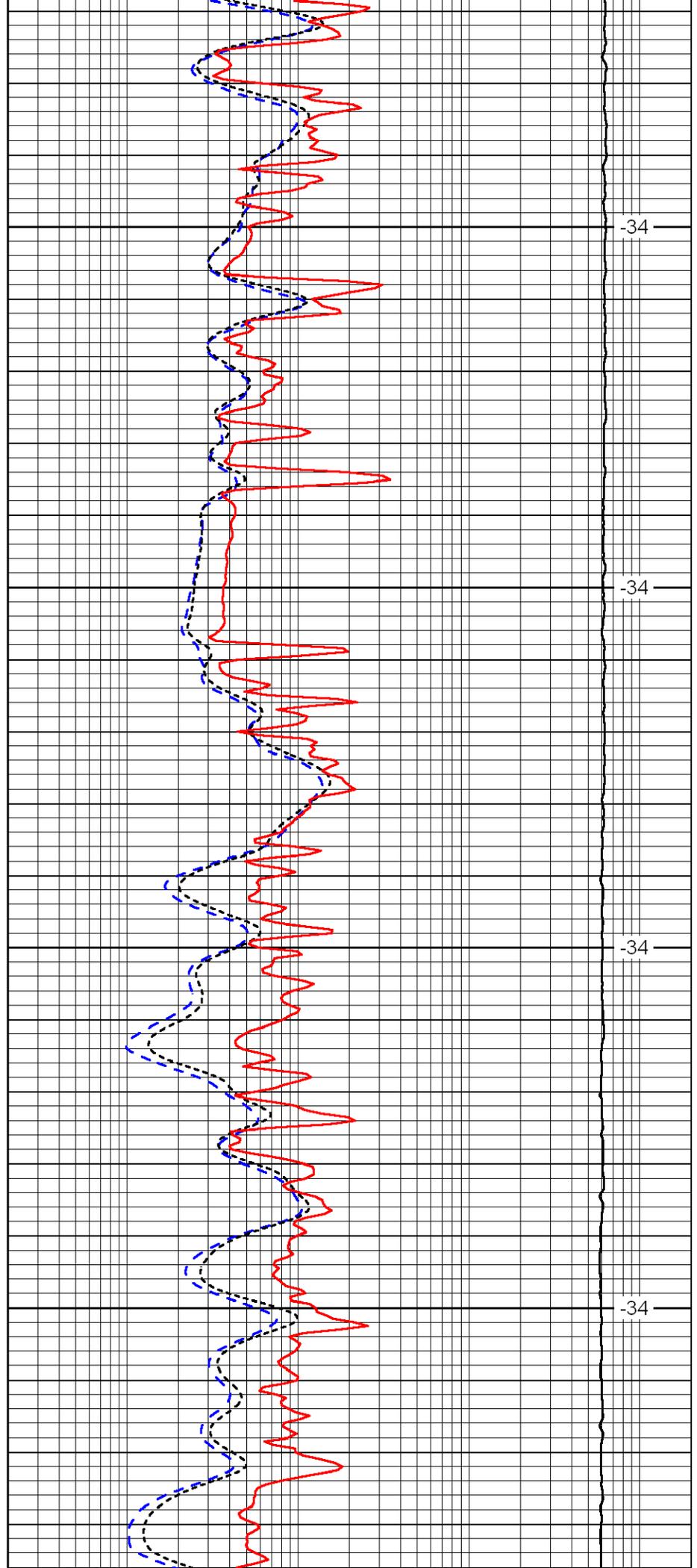


2950

3000

3050

3100

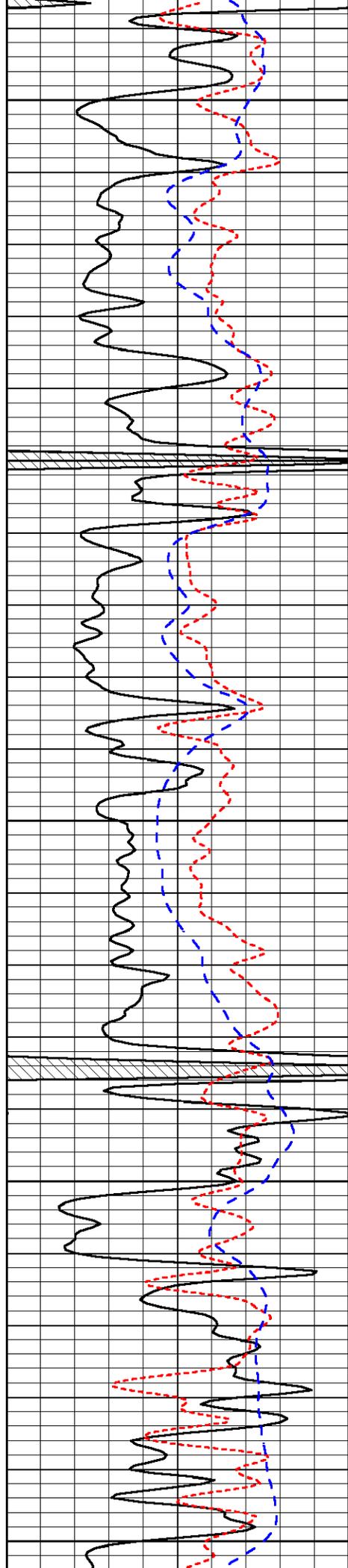


-34

-34

-34

-34



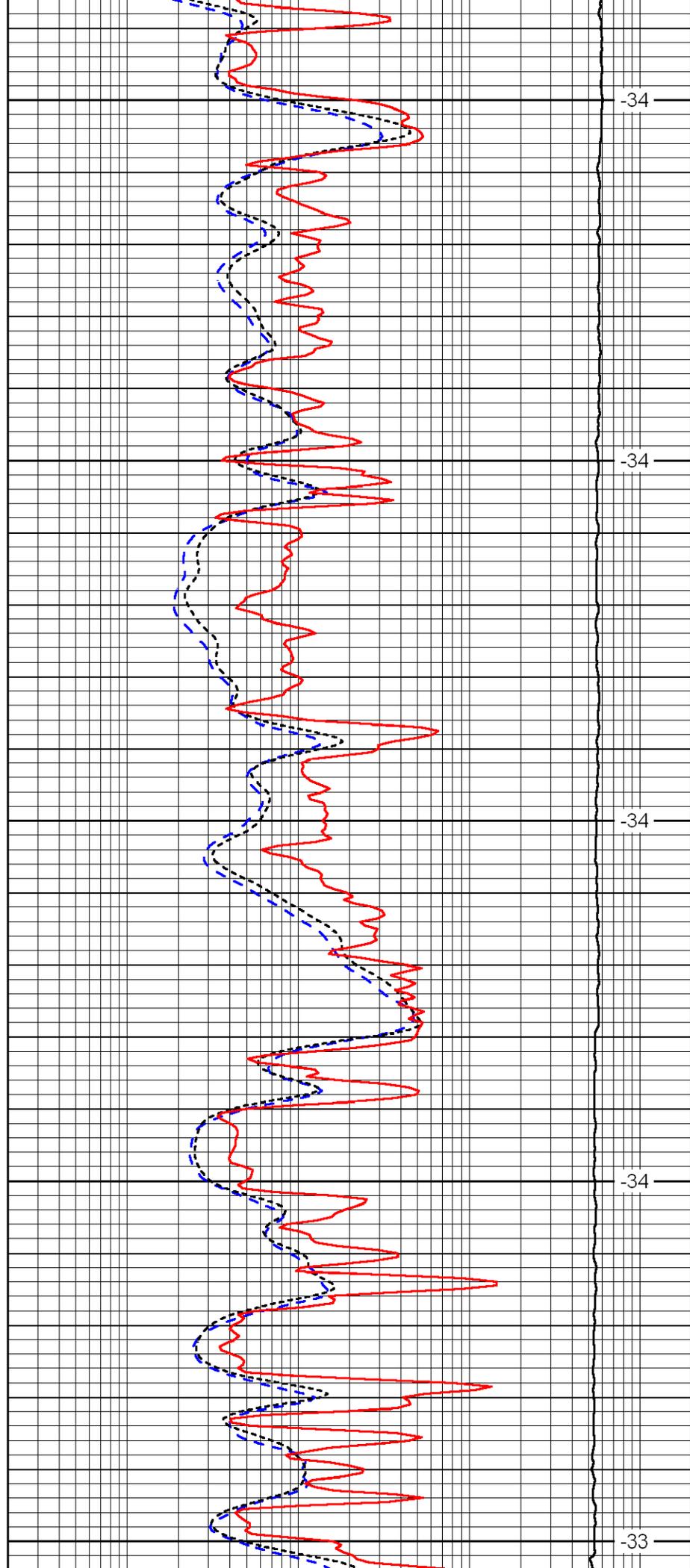
3150

3200

3250

3300

3350



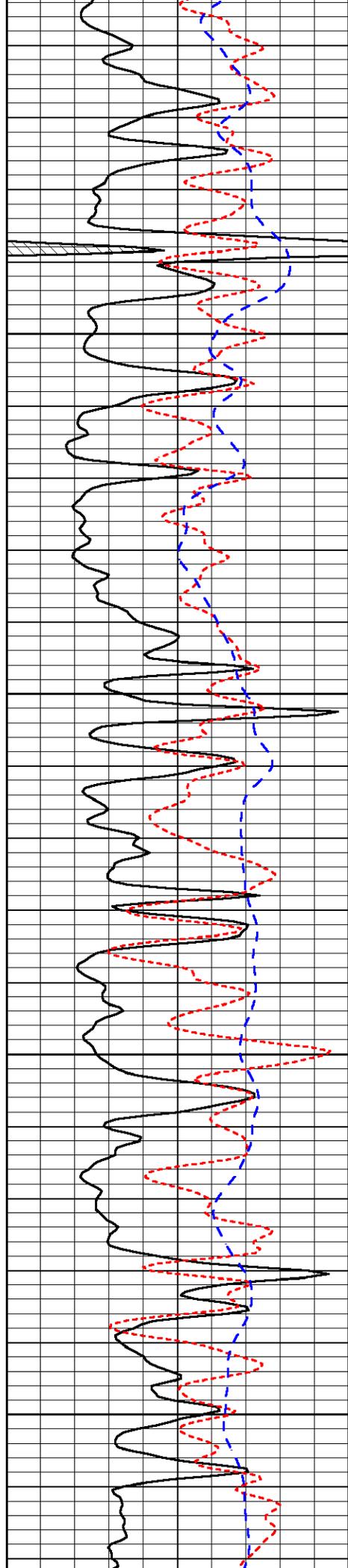
-34

-34

-34

-34

-33

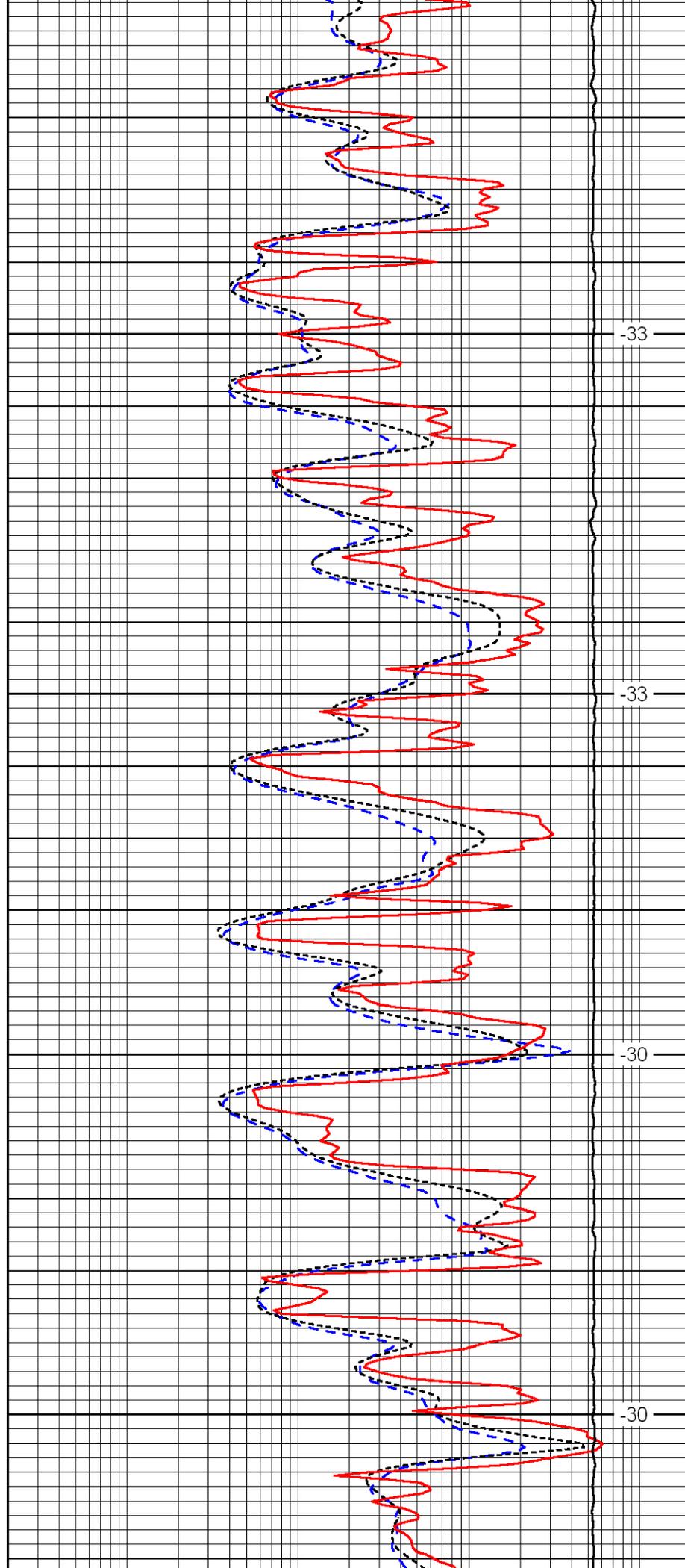


3400

3450

3500

3550

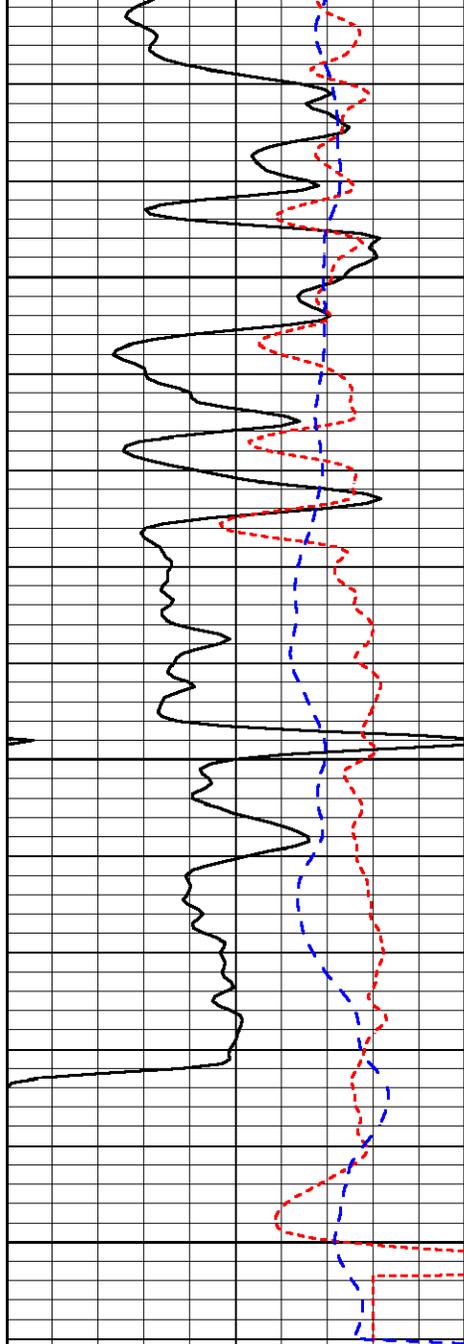


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-33

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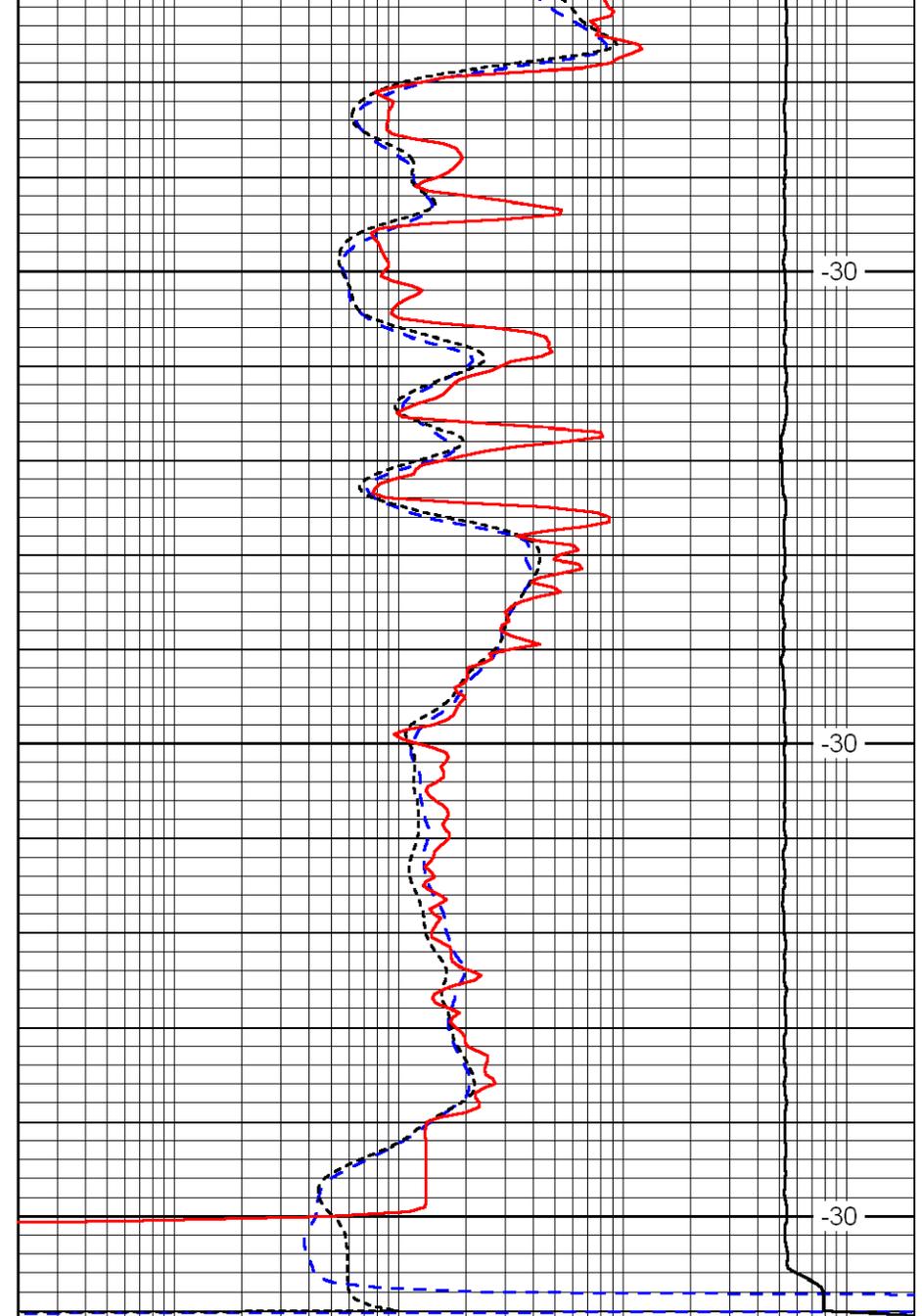


0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

3600

3650

3700



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

LSPD