



DIGITAL LOG (785) 625-3858

Dual Induction Log

15-083-21779-00-00

Company DK Operating, Inc.

Well Antrim Unit #1-17

Field Wieland North

County Hodgeman State

Kansas

Location 70' FNL & 450' FEL

Sec: 17

Twp: 21S

Rge: 22W

Elevation

Permanent Datum Ground Level Elevation 2272
 Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Other Services
 CNL/CDL
 MEL

K.B. 2282
 D.F. 2272
 G.L. 2272

Date	6/6/2012
Run Number	One
Depth Driller	4357
Depth Logger	4360
Bottom Logged Interval	4359
Top Log Interval	250
Casing Driller	8.625 @ 258
Casing Logger	256
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	11,400
Density / Viscosity	9.2 45
pH / Fluid Loss	8.5 12.8
Source of Sample	Flowline
Rm @ Meas. Temp	0.50 @ 60
Rmf @ Meas. Temp	0.38 @ 60
Rmc @ Meas. Temp	0.68 @ 60
Source of Rmf / Rmc	Charts
Rm @ BHT	0.25 @ 122
Operating Rig Time	5 Hours
Max Rec. Temp. F	122
Equipment Number	91
Location	Hays
Recorded By	D. Schmidt
Witnessed By	Jason Alm

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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

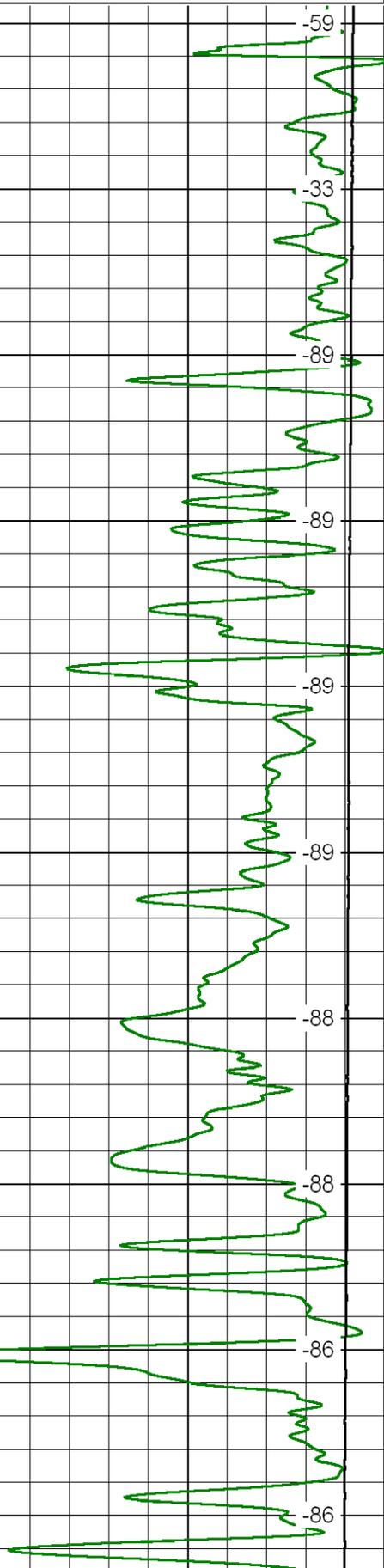
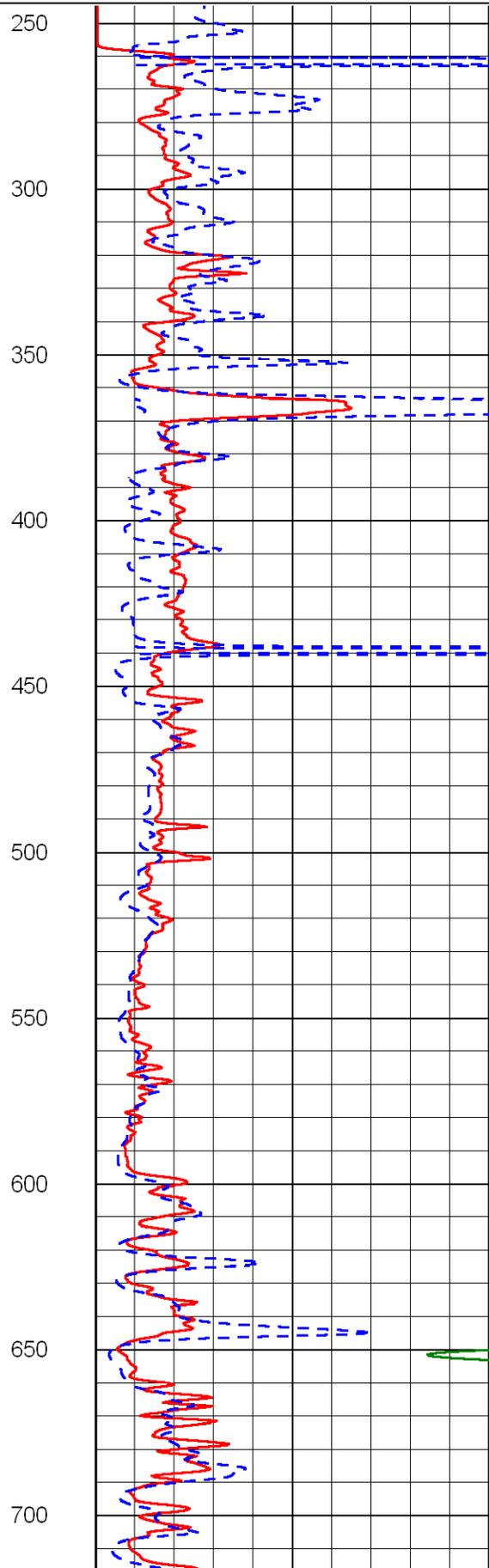
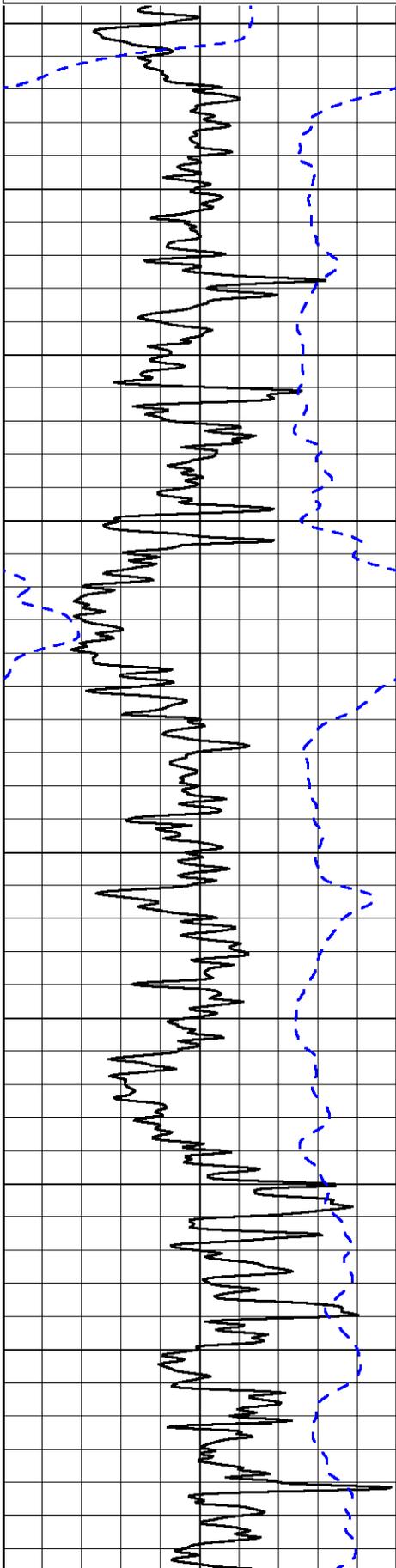
Bazine,
 11 South on DD Rd to 20 Rd, 1 West, 2 South to Hodgeman Co. Line,
 2 1/2 West, 2 South, W & S into

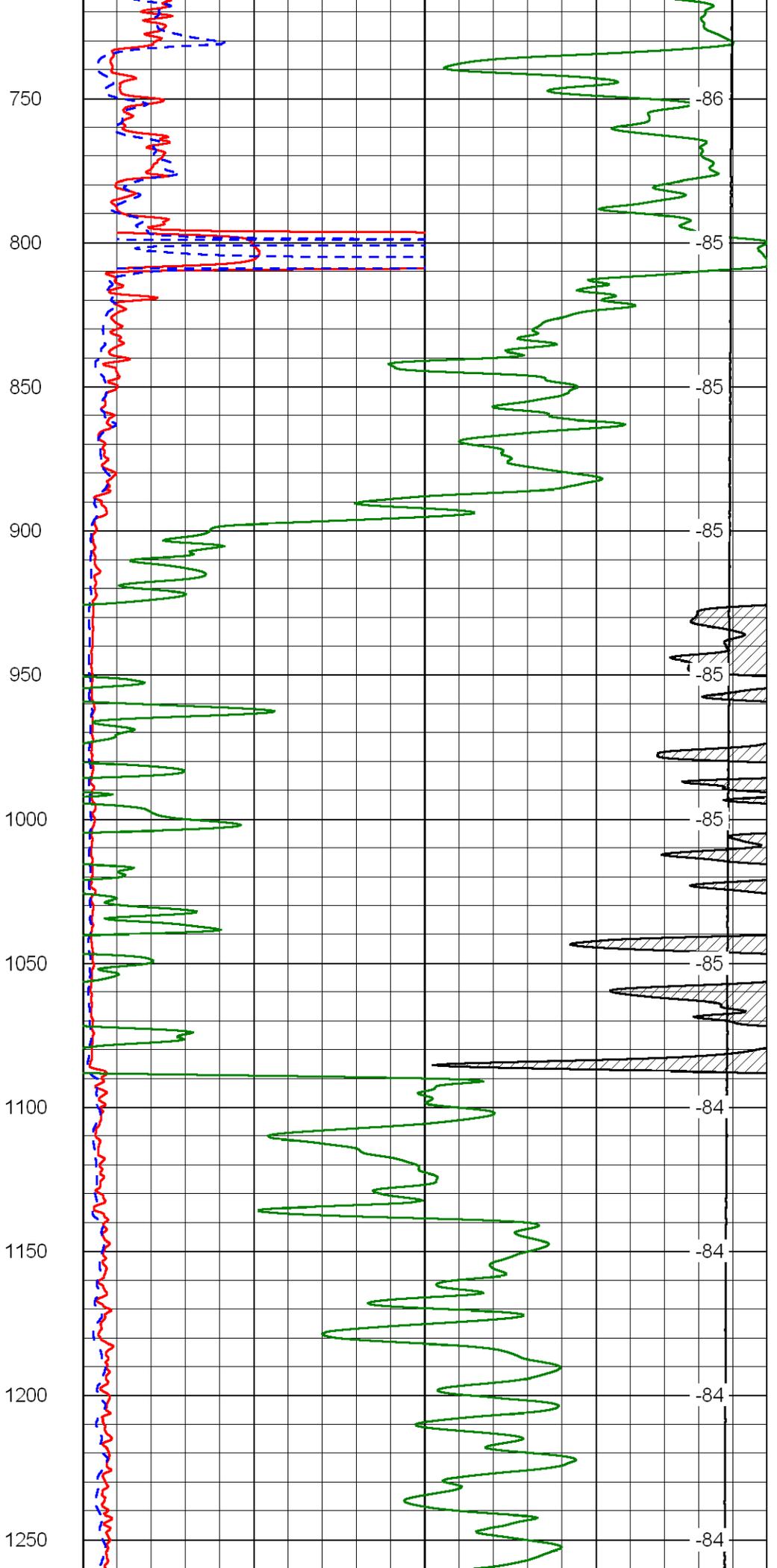
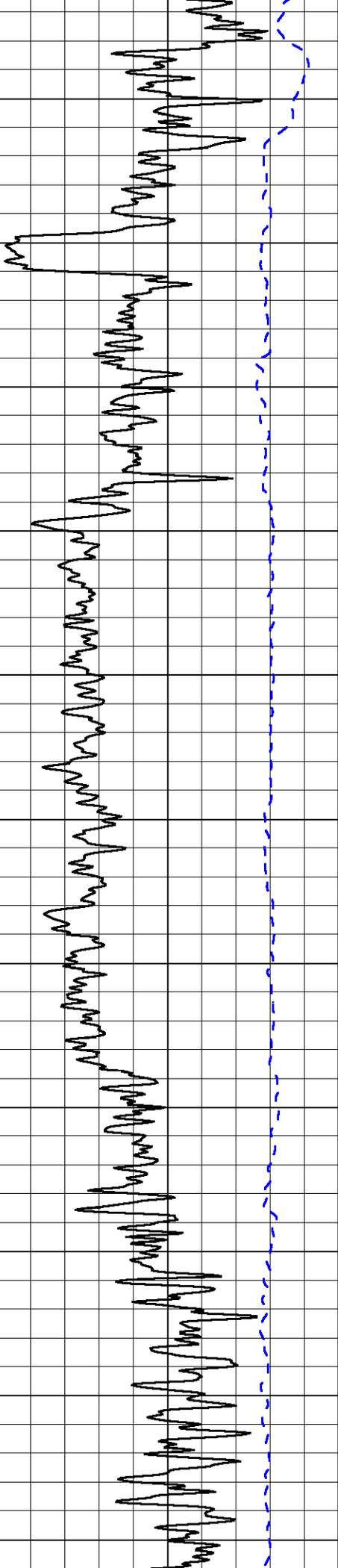
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 Dataset Pathname: dil/dkstack
 Presentation Format: dil2in
 Dataset Creation: Wed Jun 06 05:02:11 2012
 Charted by: Depth in Feet scaled 1:600

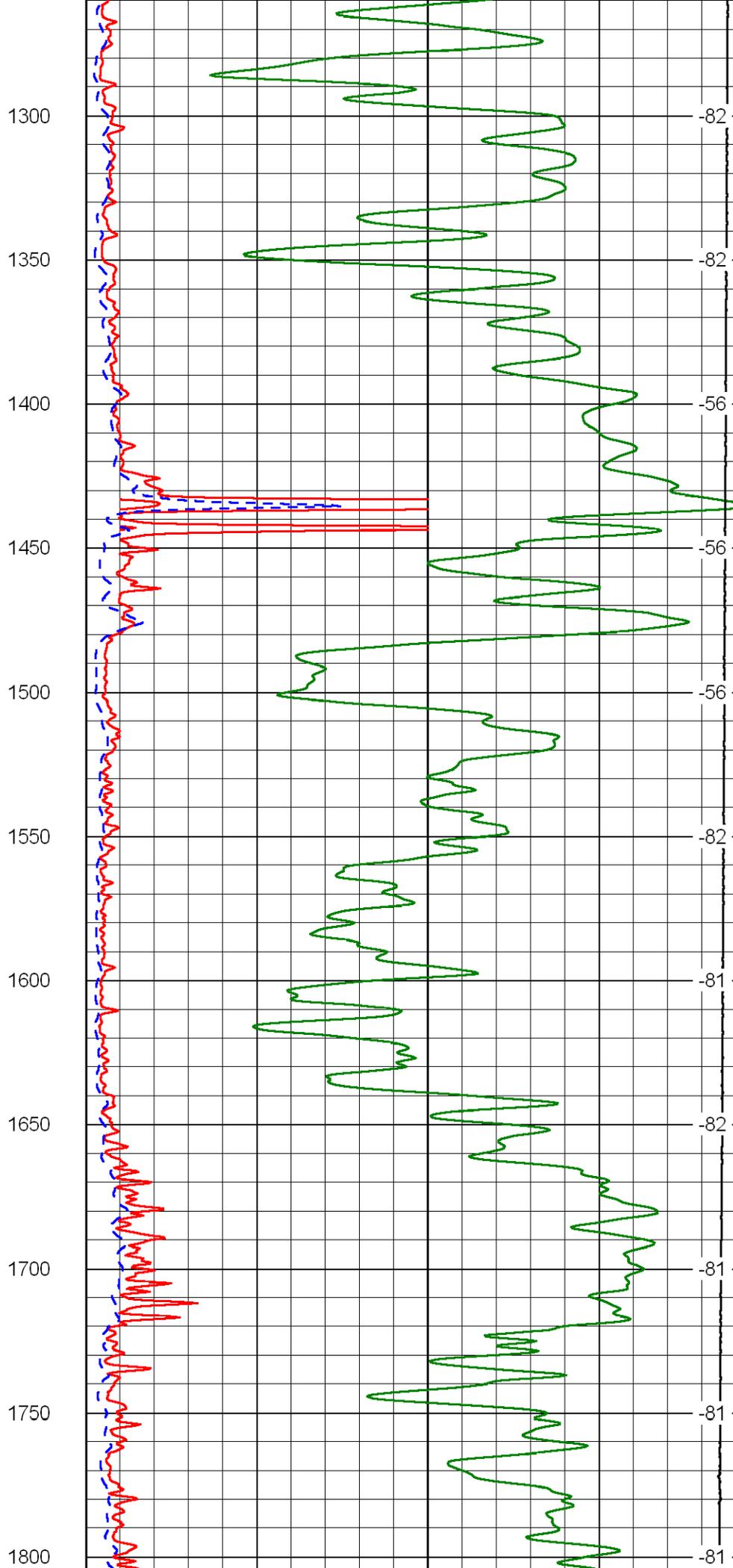
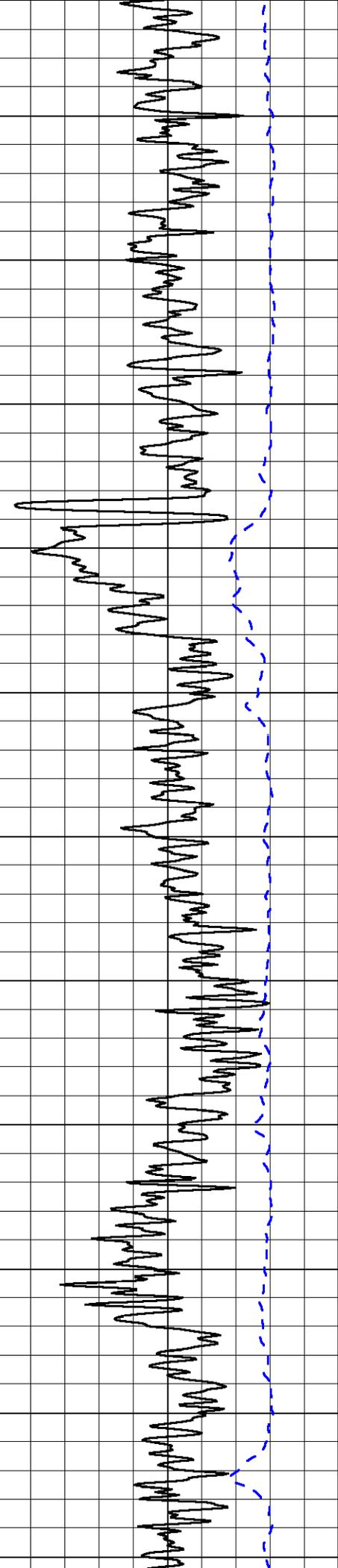
0 Gamma Ray 150
-200 SP 0

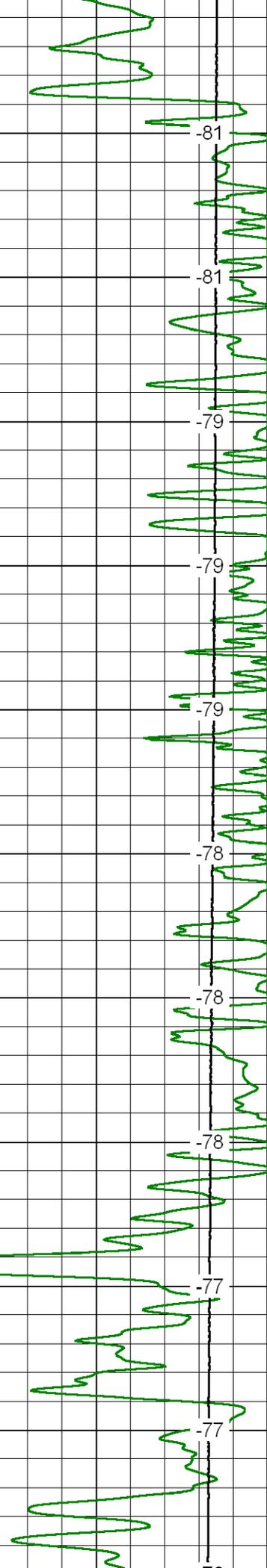
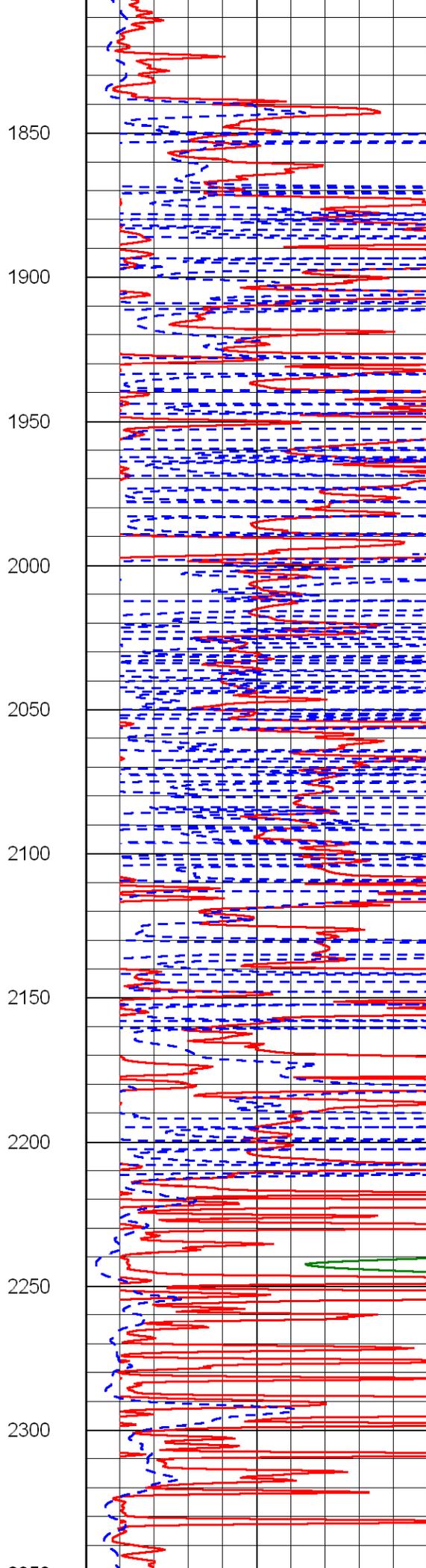
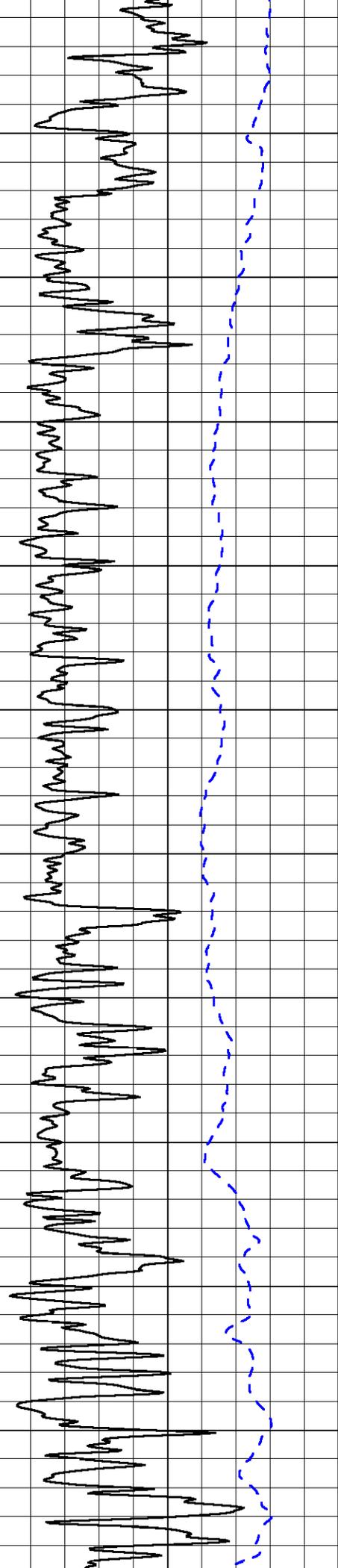
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0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

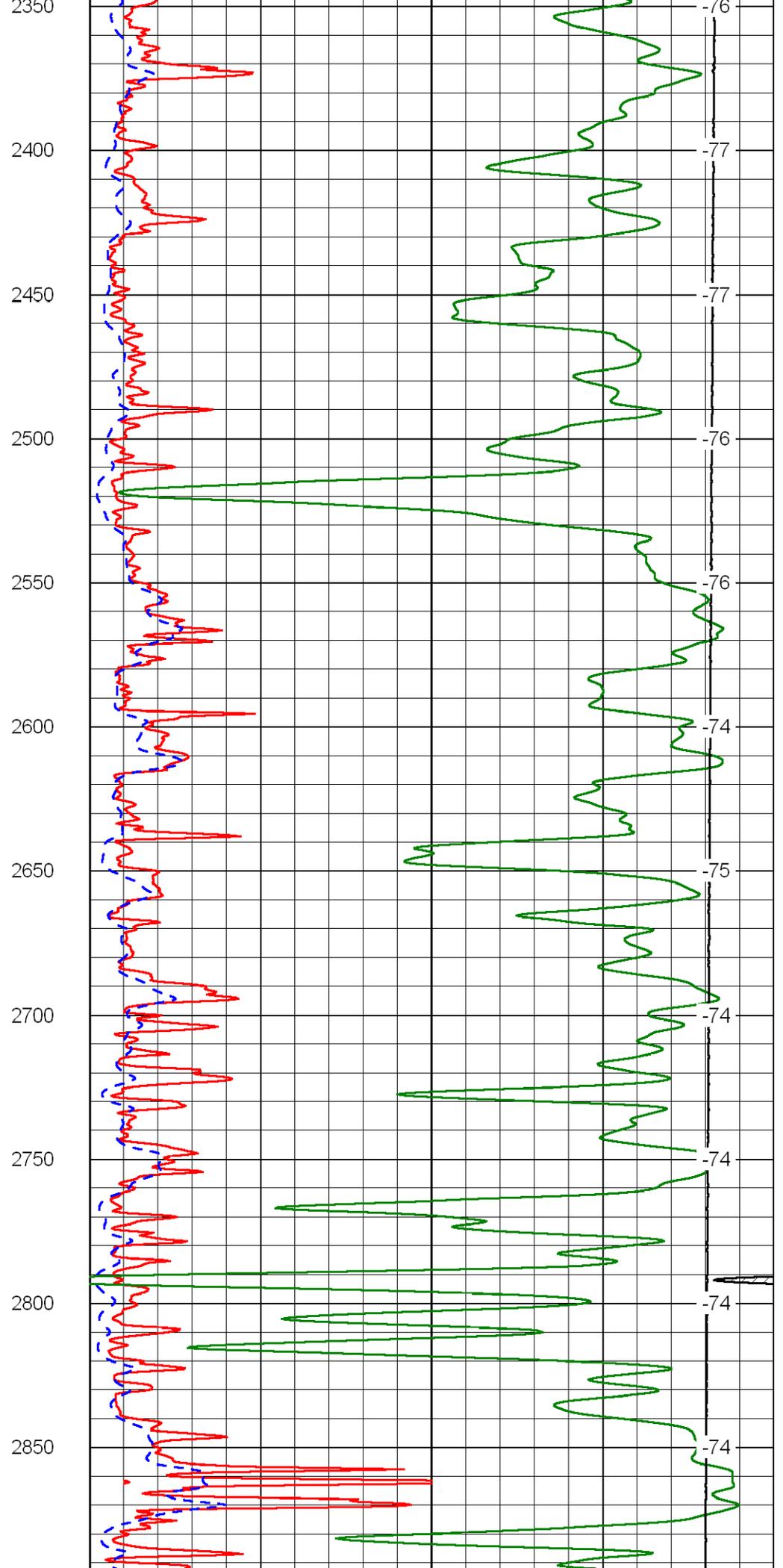
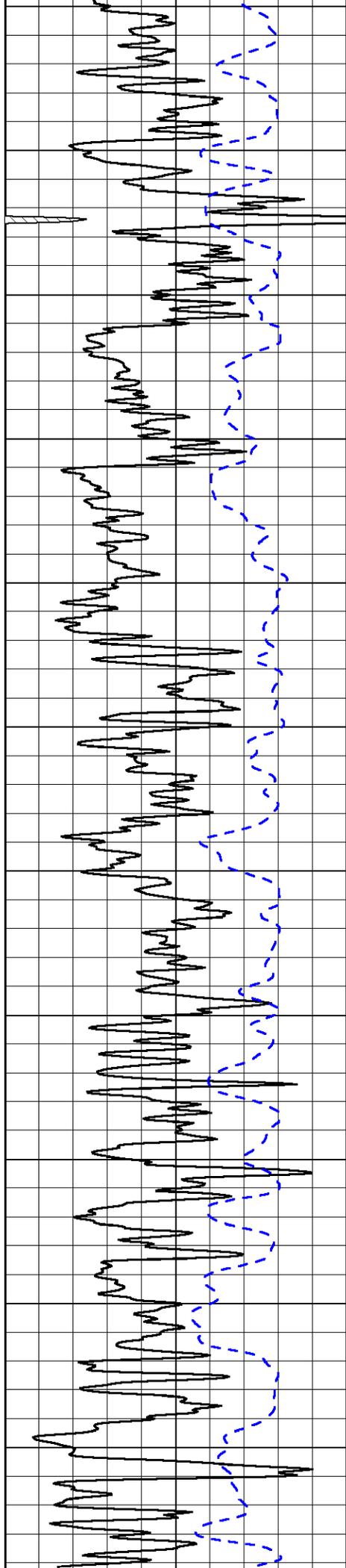
LSPD

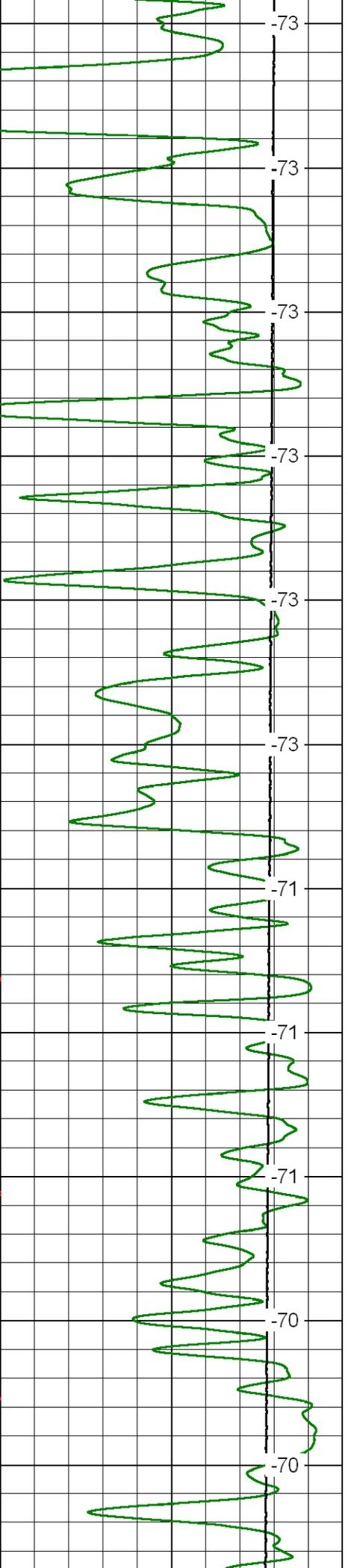
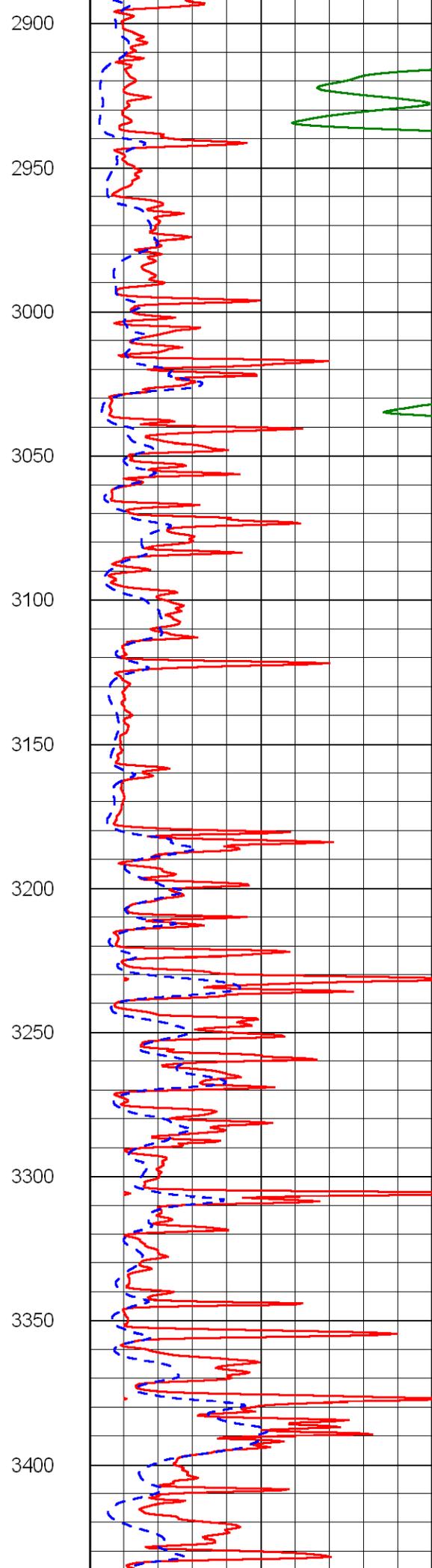
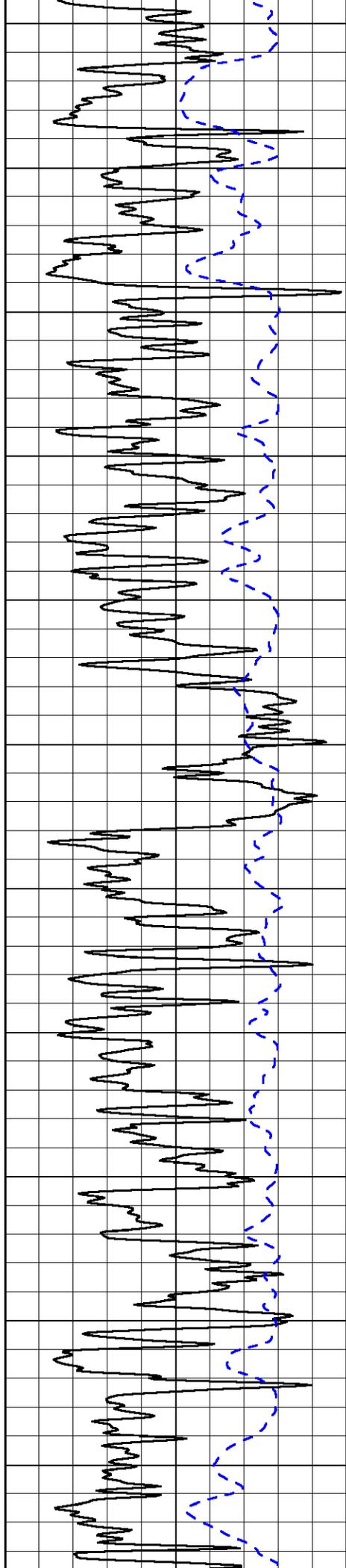


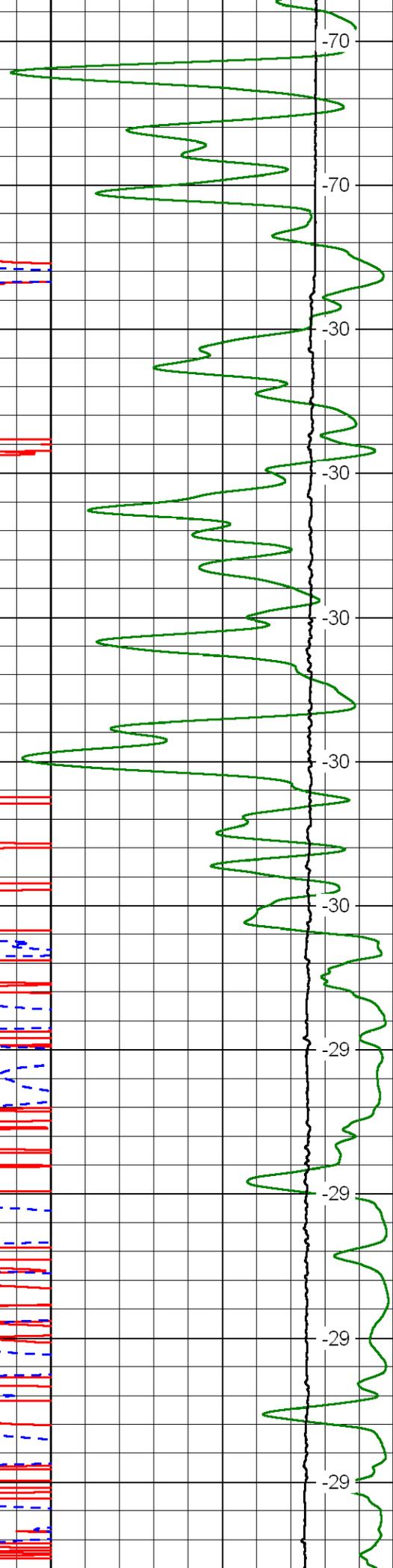
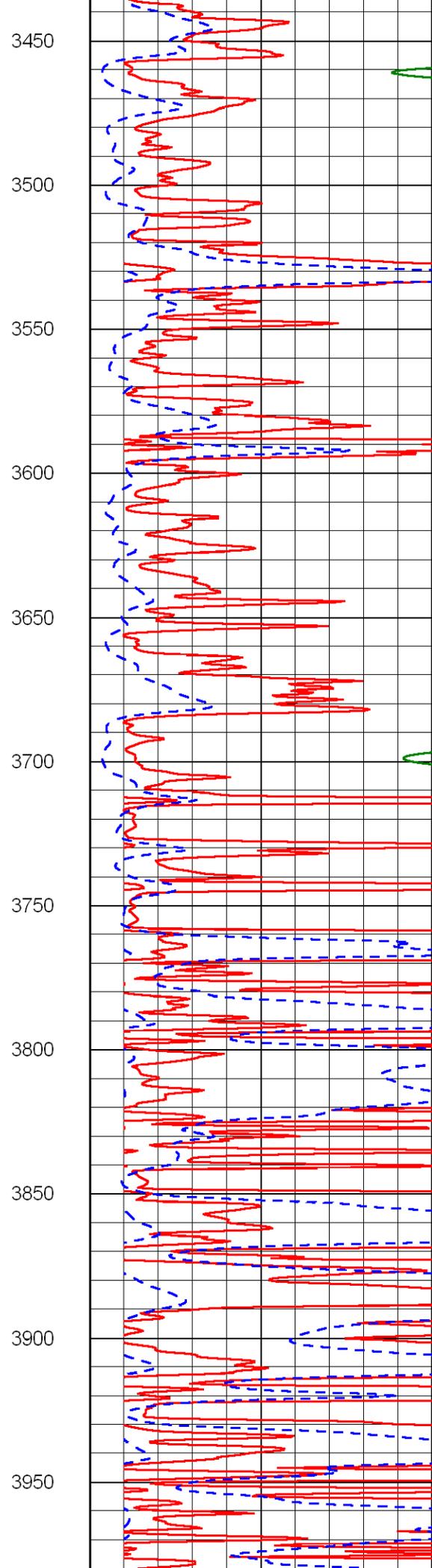
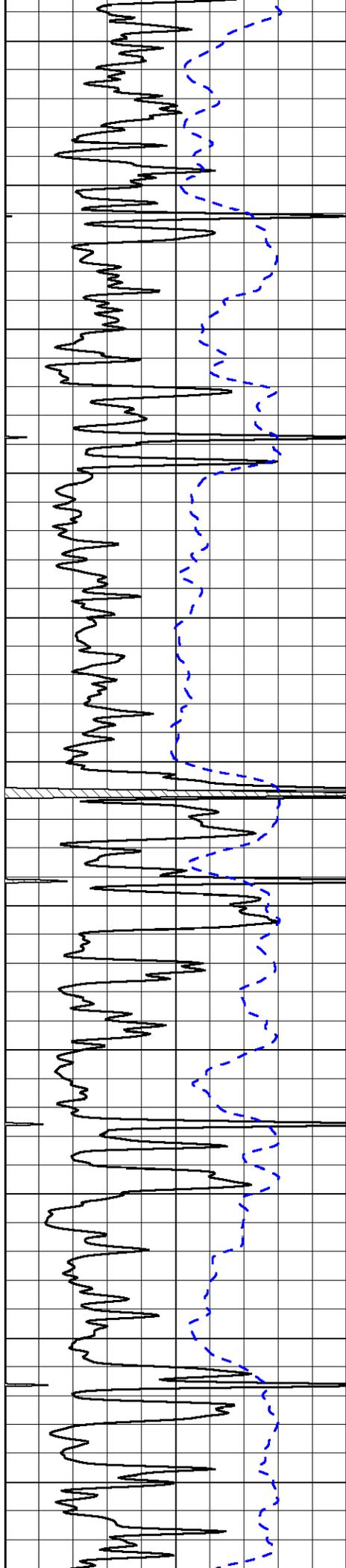










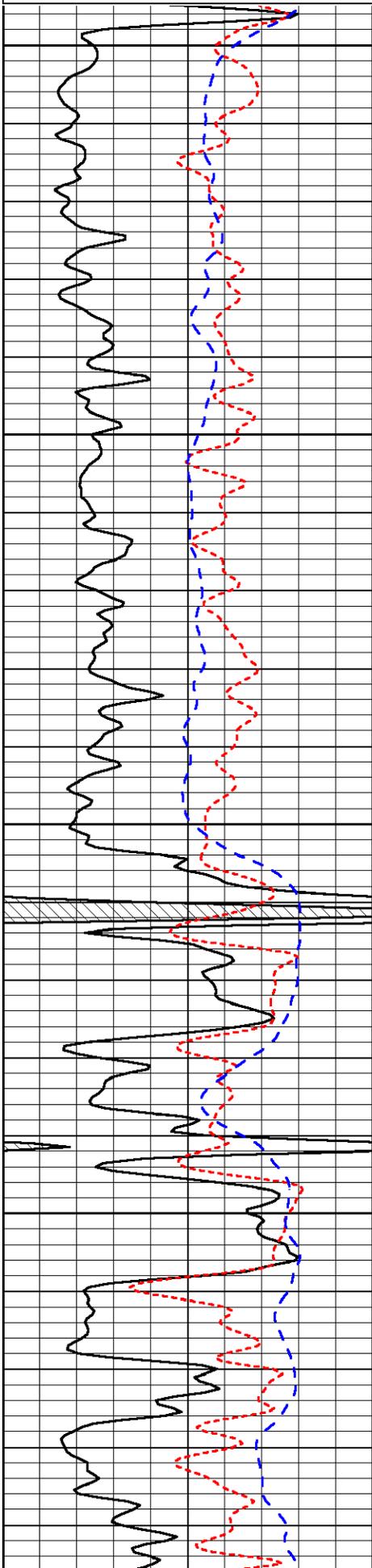


-200 SP 0

0.2 Shallow Resistivity 2000

10000 Line Tension 0

LSPD

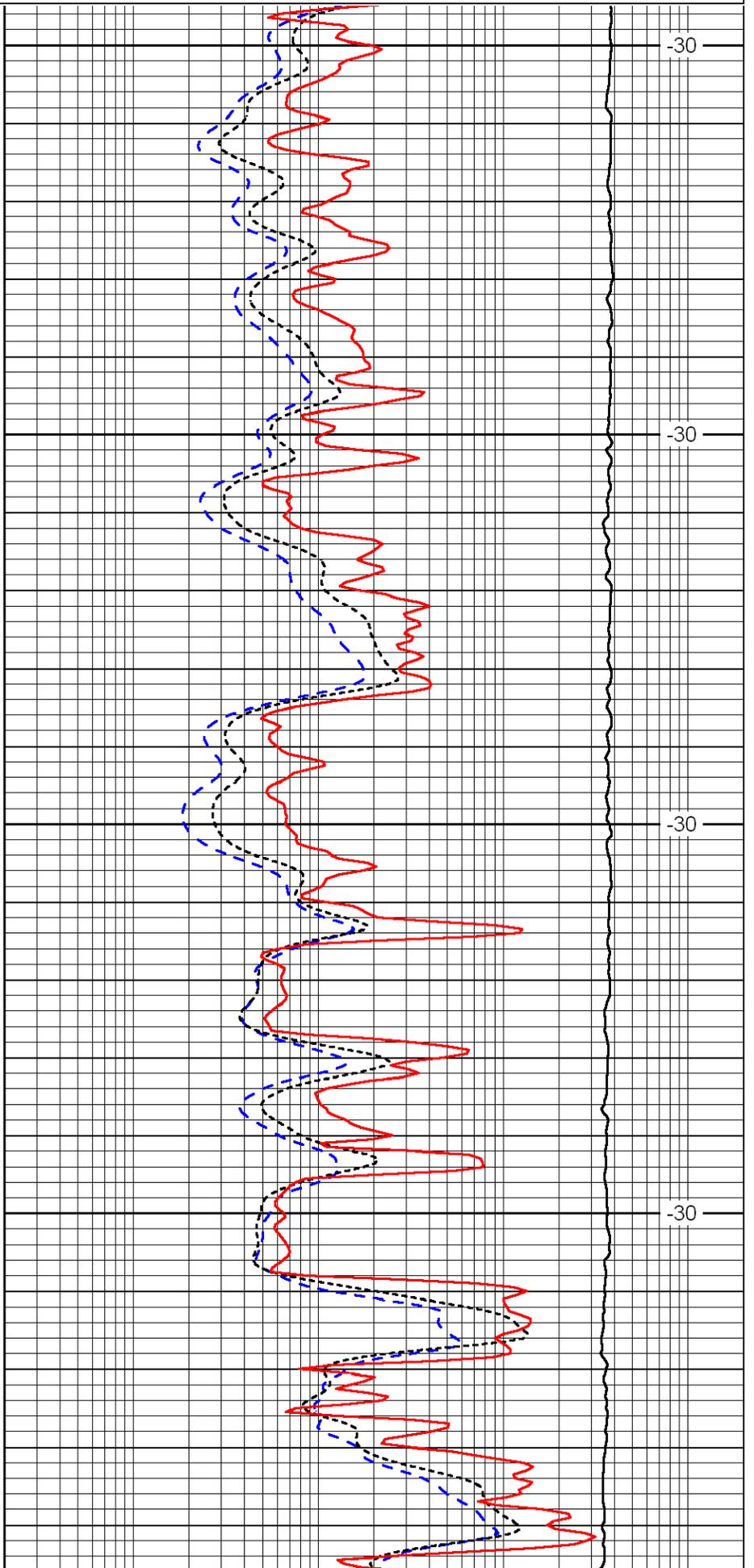


3600

3650

3700

3750

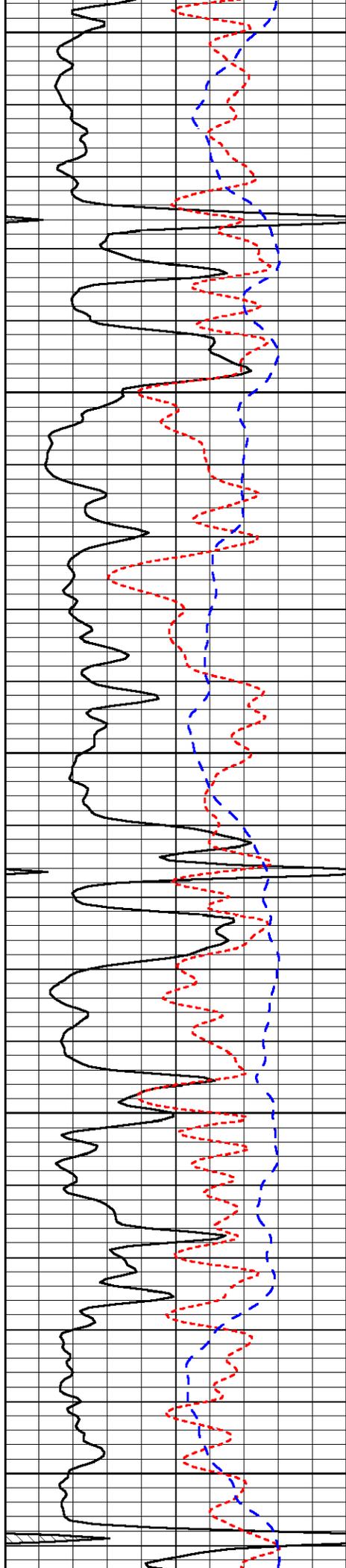


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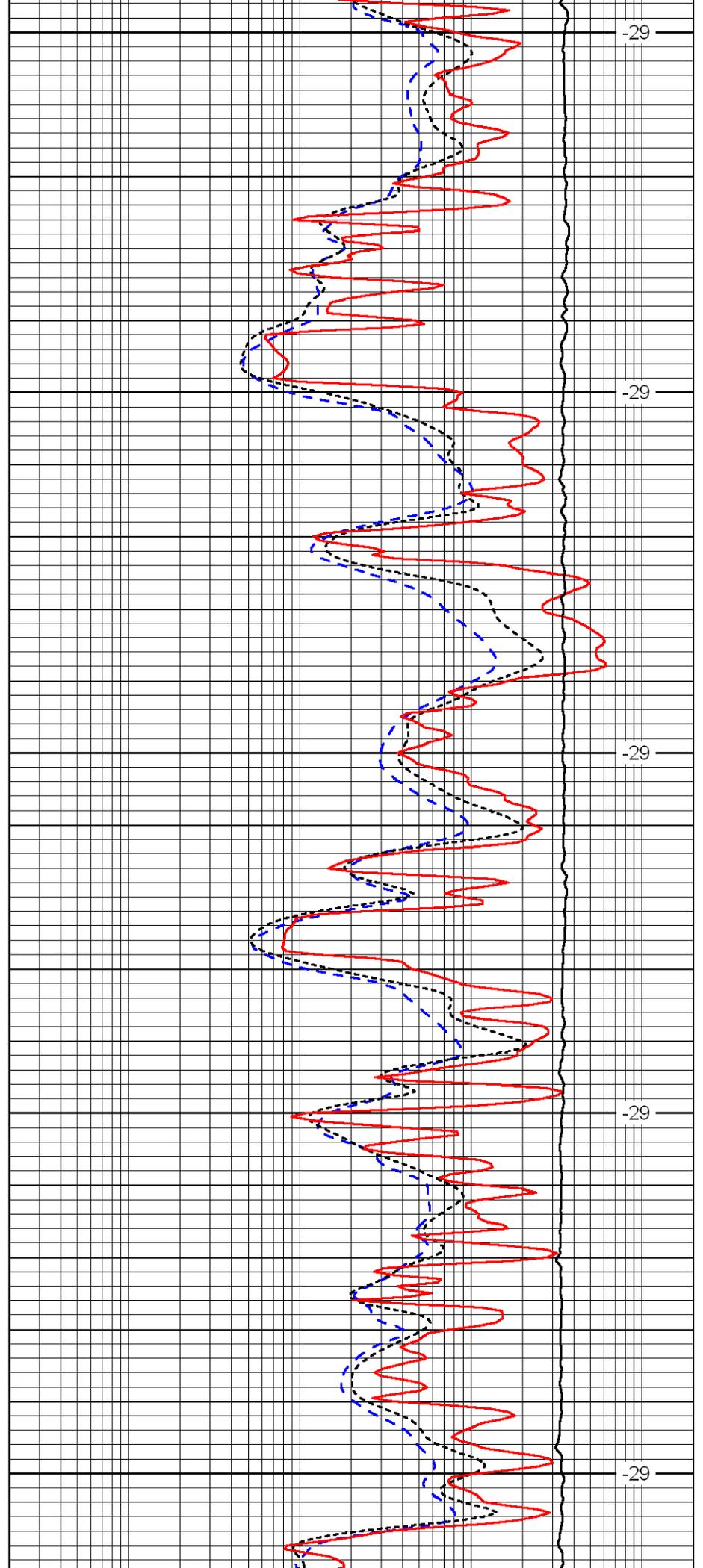
3800

3850

3900

3950

4000



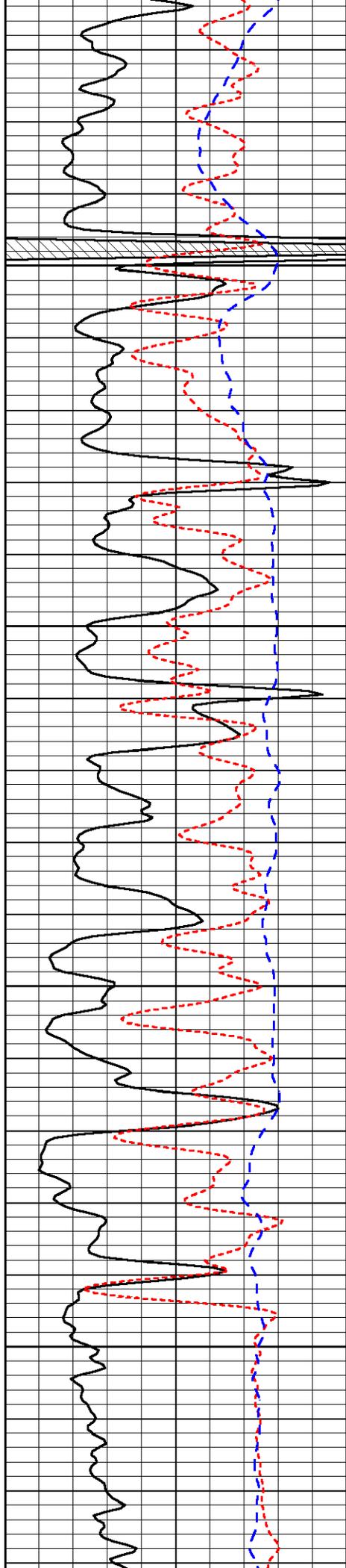
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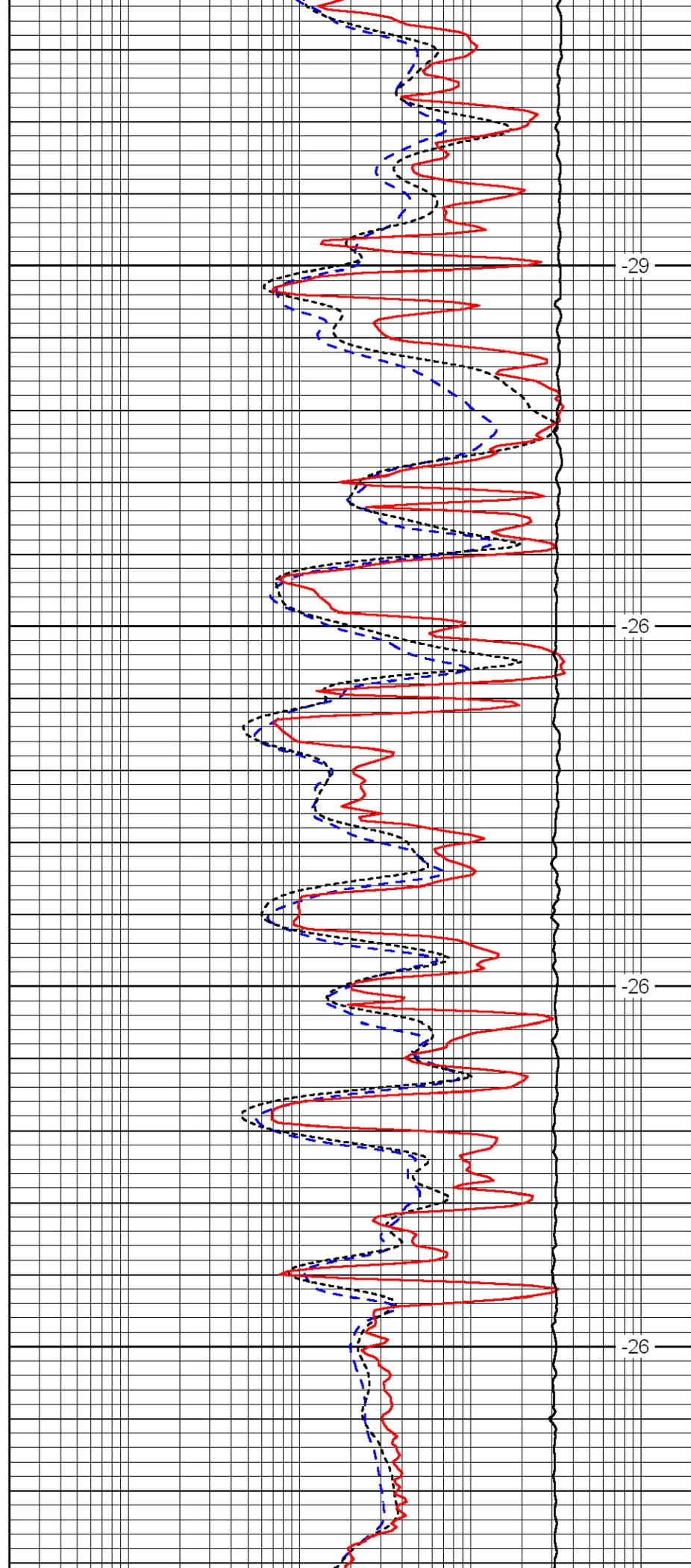


4050

4100

4150

4200

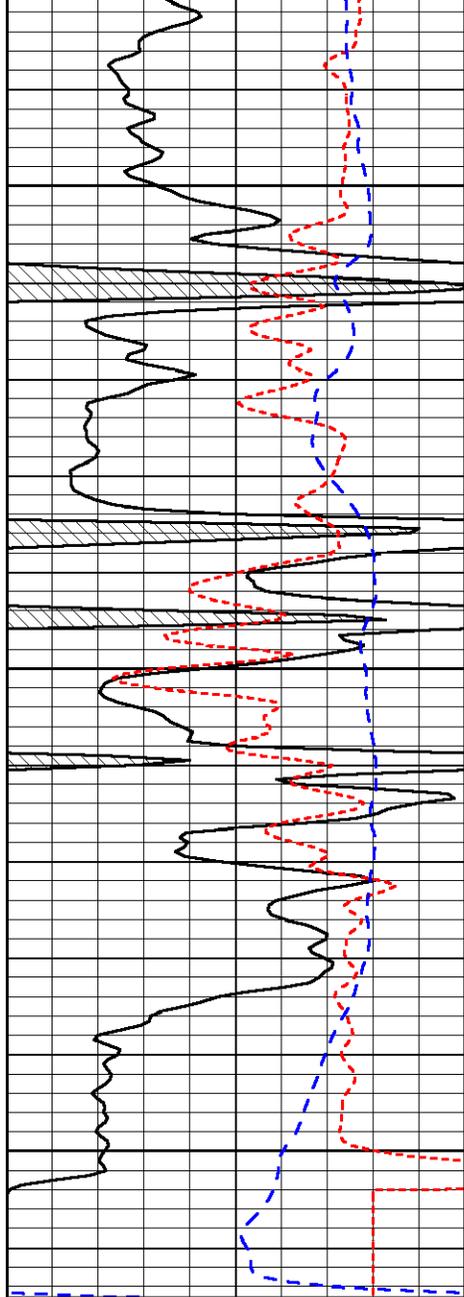


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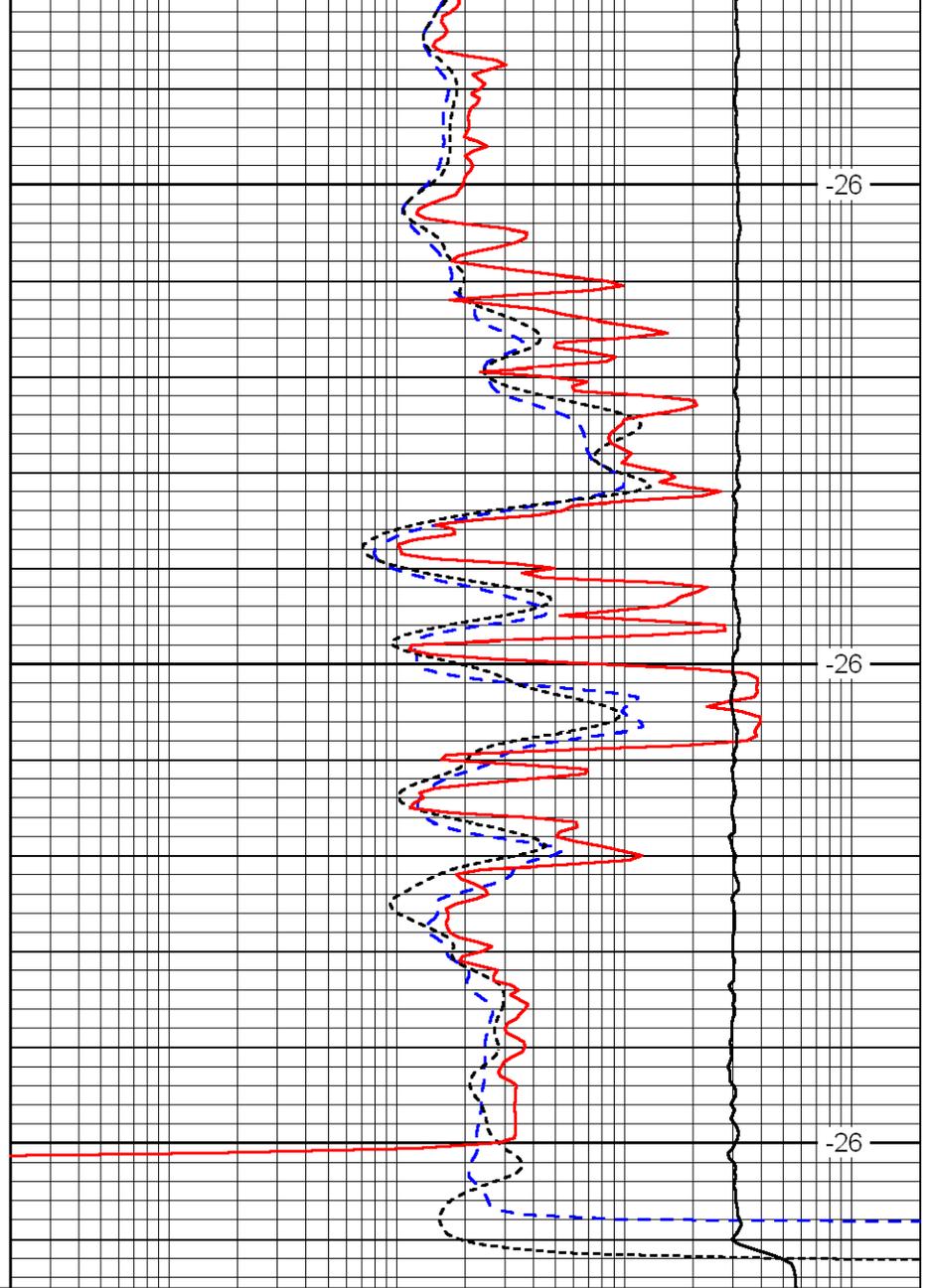


4250

4300

4350

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



-26

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-26

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

LSPD