



Pioneer Energy Services

Dual Induction Log

API No.

15-165-22,104-00-00

Company Southwind Petroleum Corporation

Well Dirks #27-2

Field Ryan

County Rush

State

Kansas

Location 1650' FNL & 430 FEL

Sec: 27

Twp: 19S

Rge: 16W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2033

K.B. 2038
D.F. 2033
G.L. 2033

Other Services
CNL/CDL
MEL

Date

1/15/2015

Run Number

One

Depth Driller

3900

Depth Logger

3894

Bottom Logged Interval

3893

Top Log Interval

1050

Casing Driller

8.625 @ 1089

Casing Logger

1088

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6000

Density / Viscosity

9.1 49

pH / Fluid Loss

10.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.30 @ 64

Rmf @ Meas. Temp

0.23 @ 64

Rmc @ Meas. Temp

0.41 @ 64

Source of Rmf / Rmc

Charts

Rm @ BHT

0.17 @ 115

Operating Rig Time

4 Hours

Max Rec. Temp. F

115

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

Bob Williams

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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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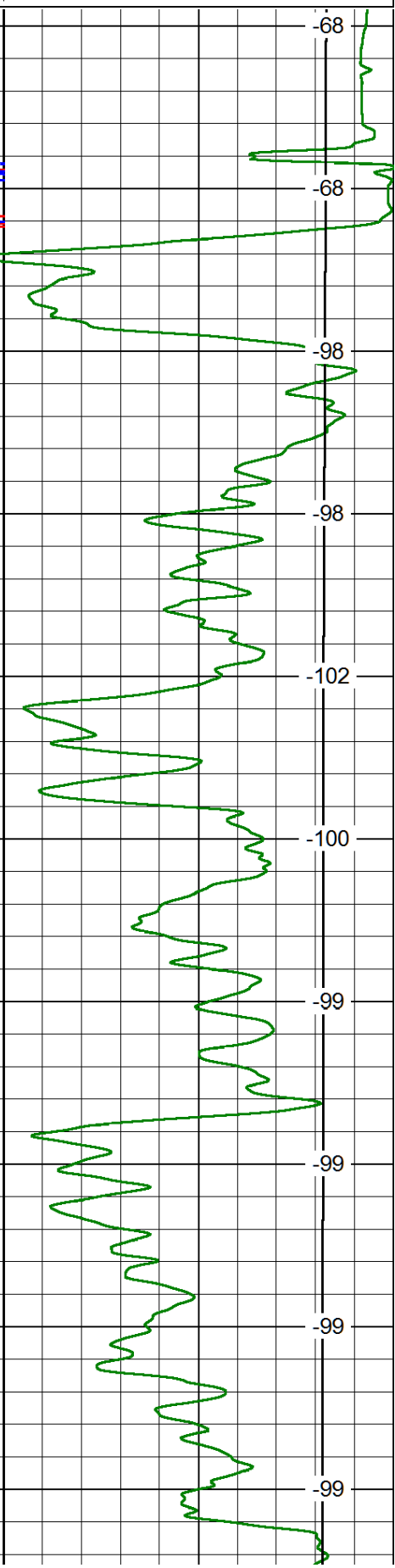
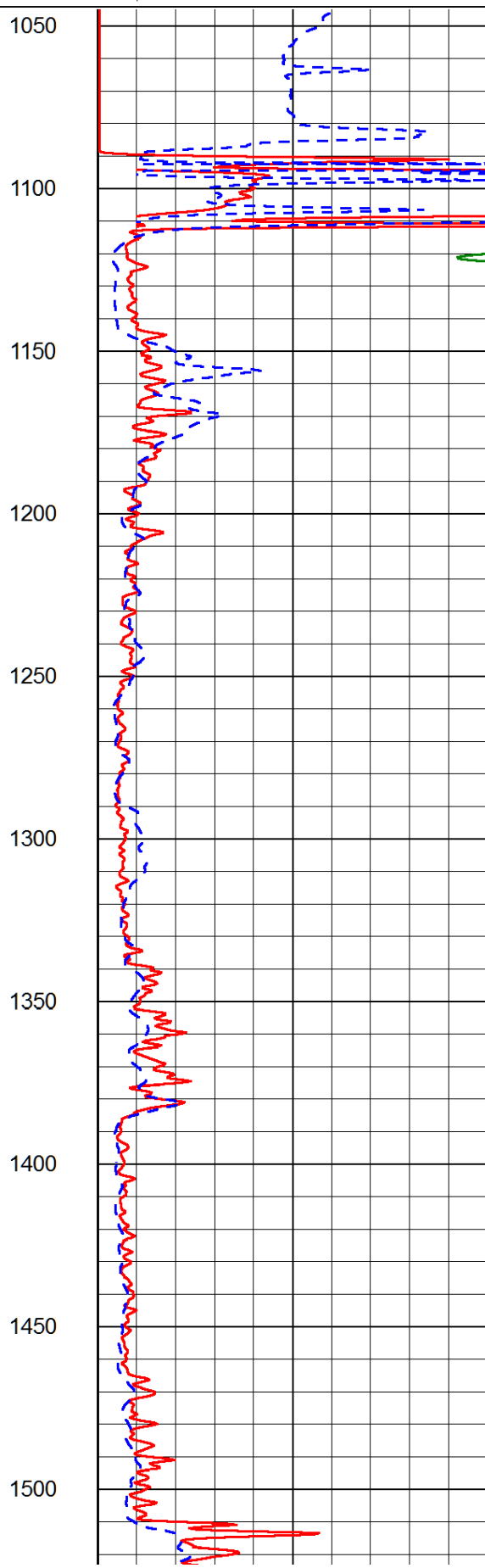
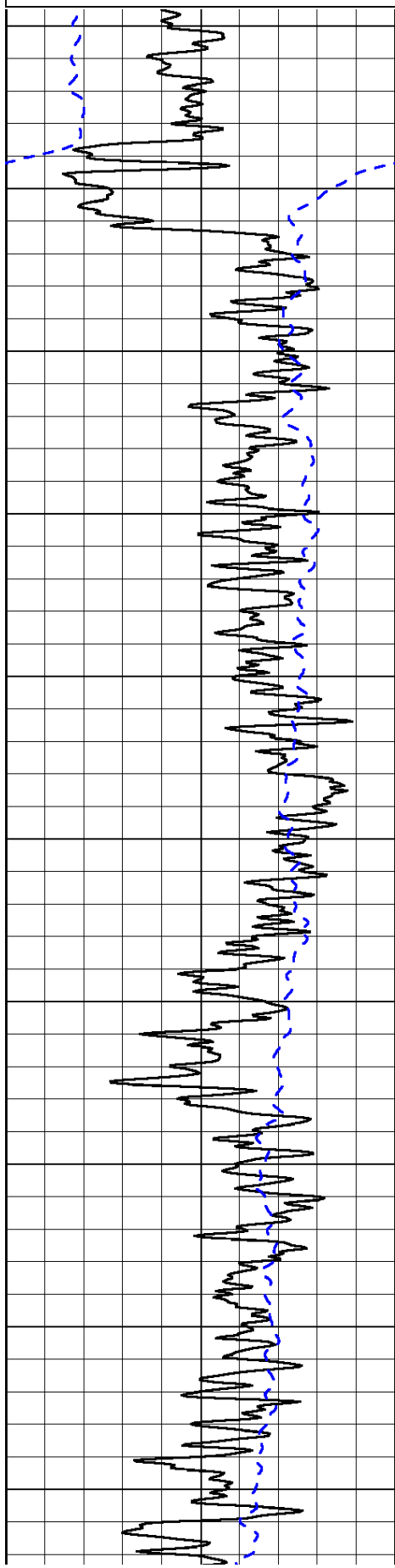
Albert KS, 7 South to W Barton County RD,
3 West, 1/2 North, West into

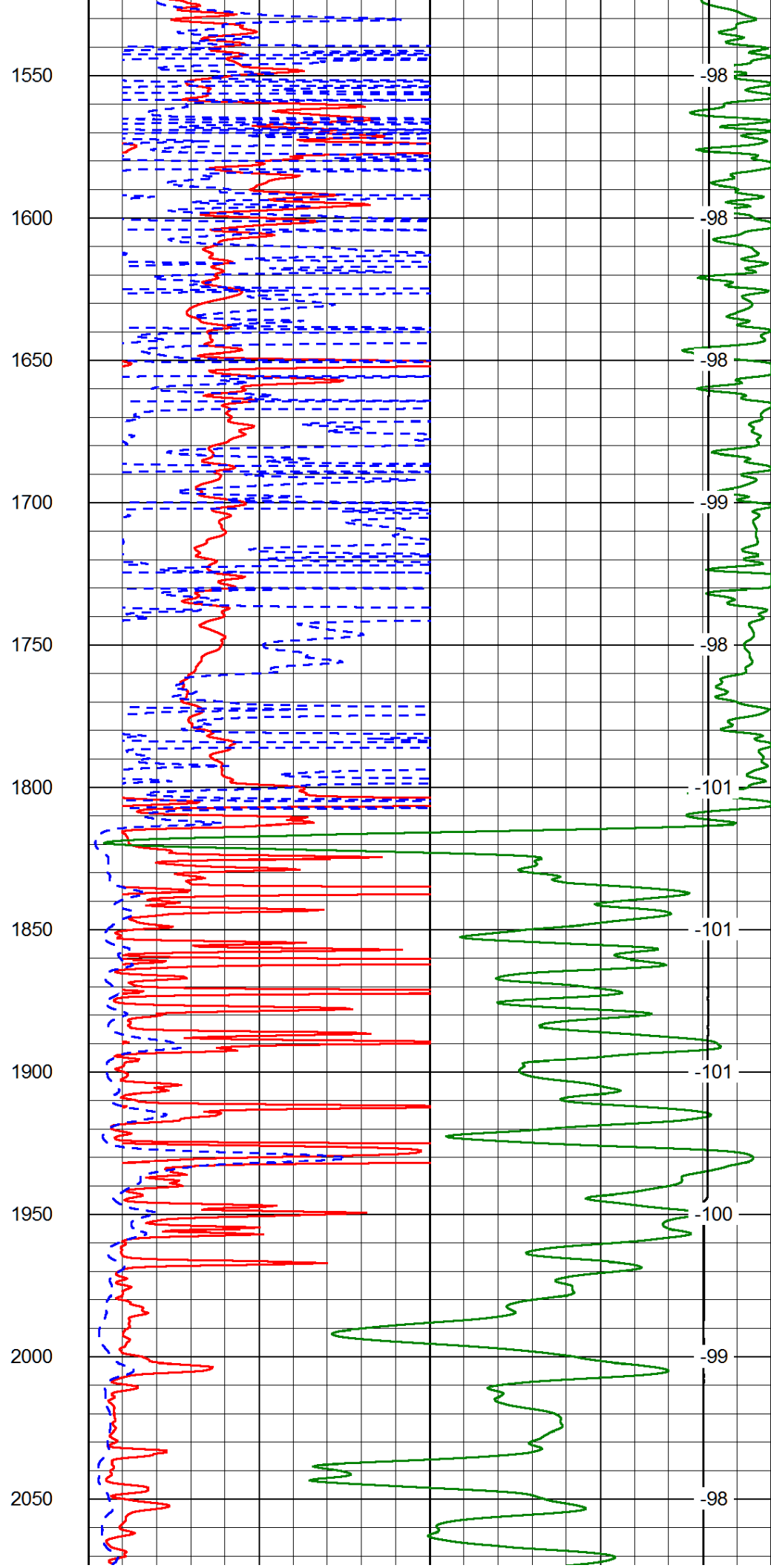
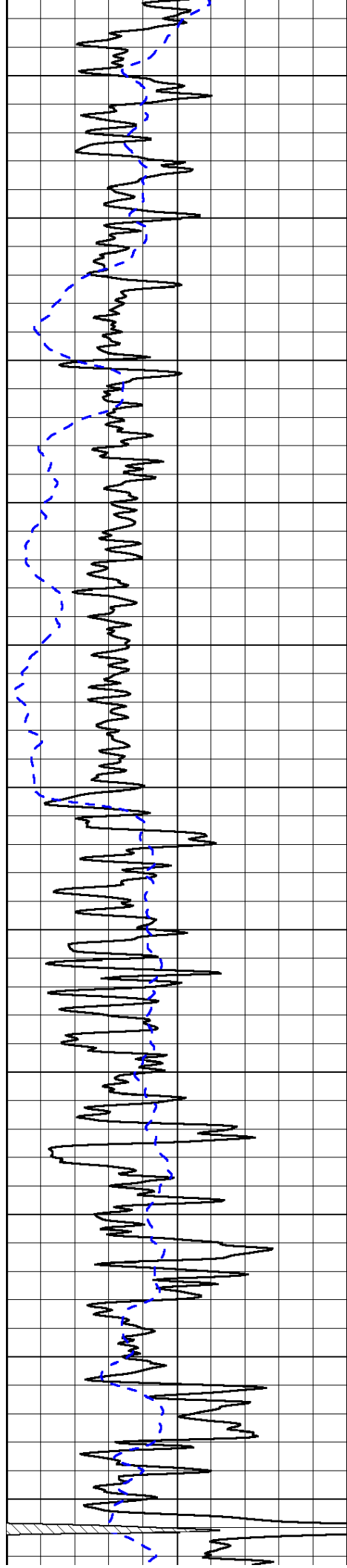
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Presentation Format: dil2in
Dataset Creation: Thu Jan 15 18:00:50 2015
Charted by: Depth in Feet scaled 1:600

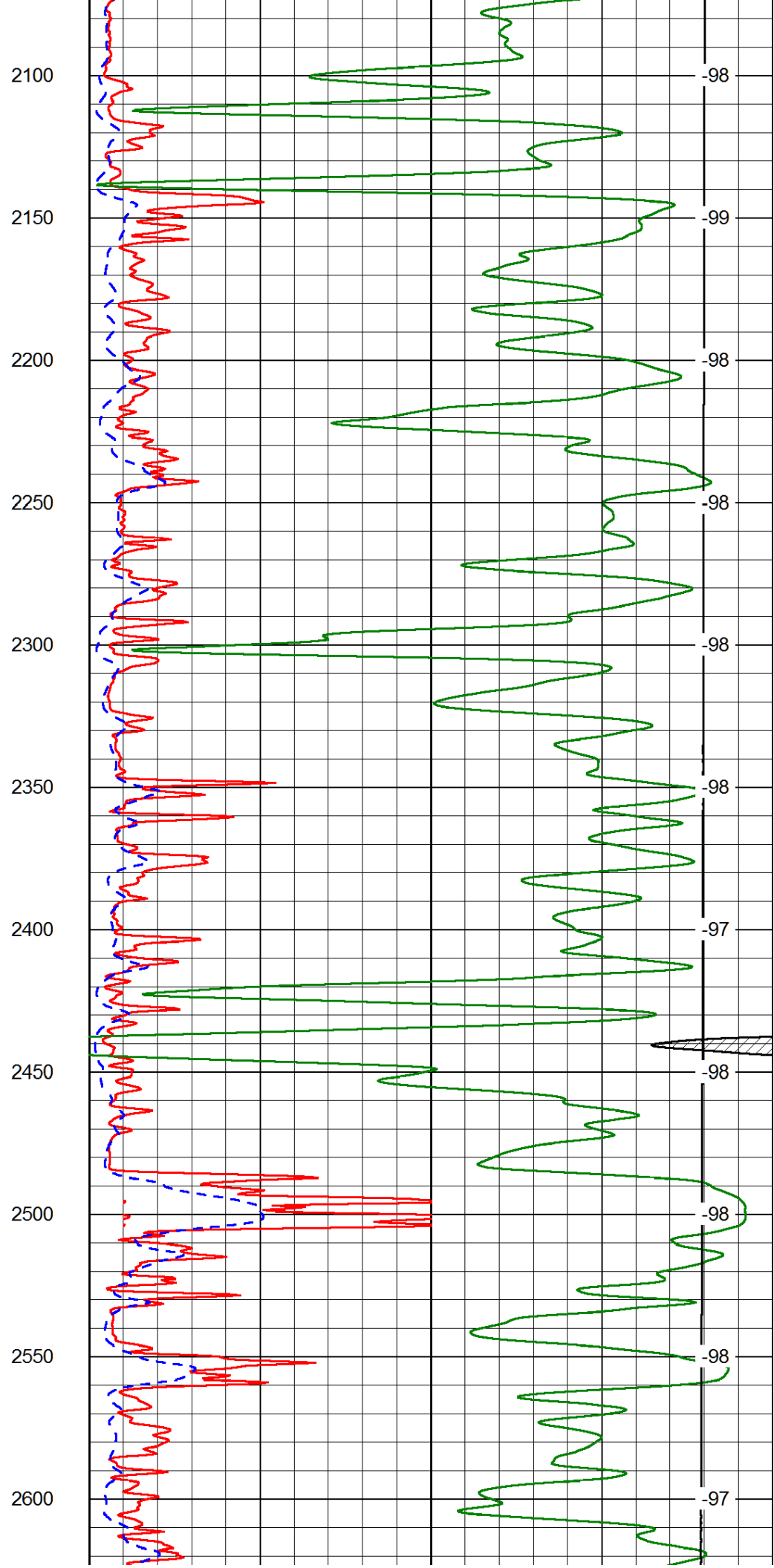
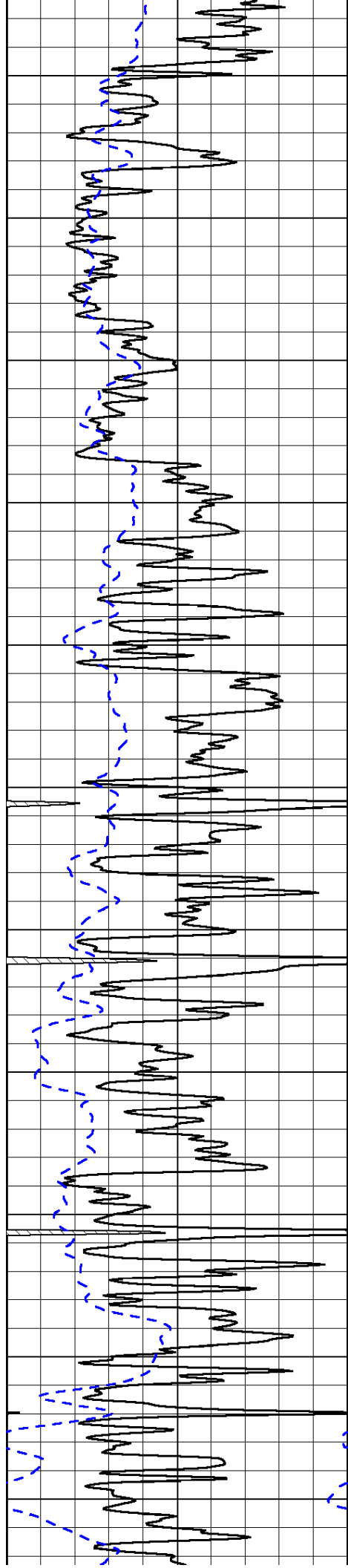
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-200	SP (mV)	0

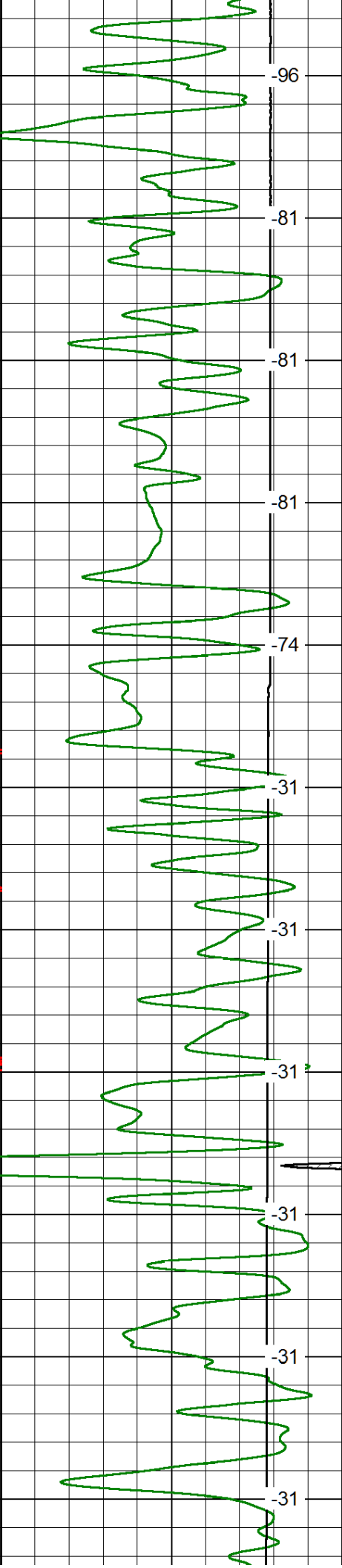
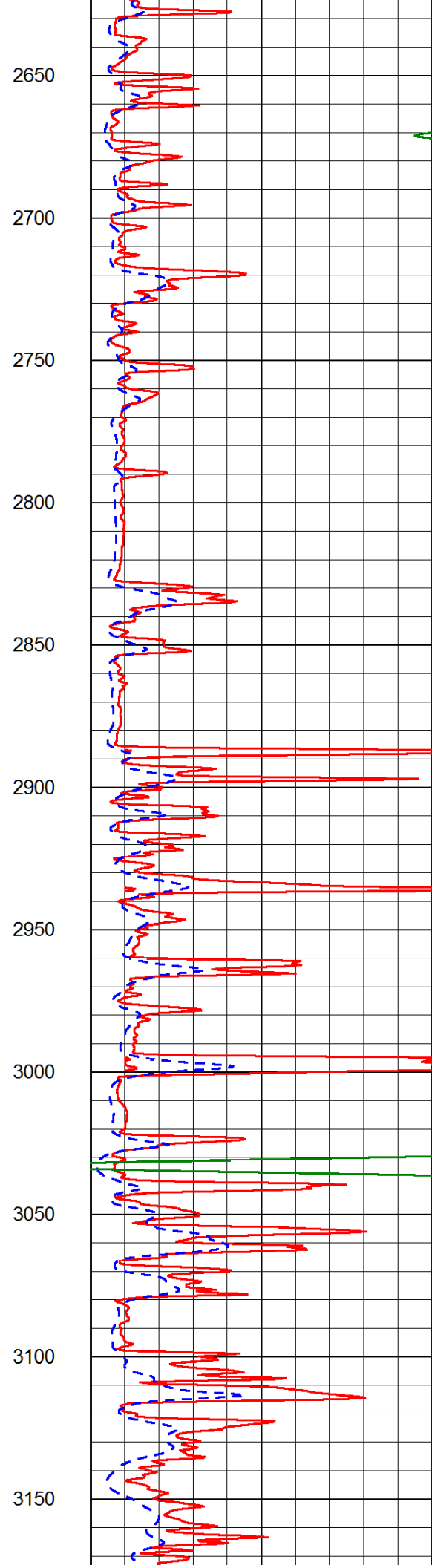
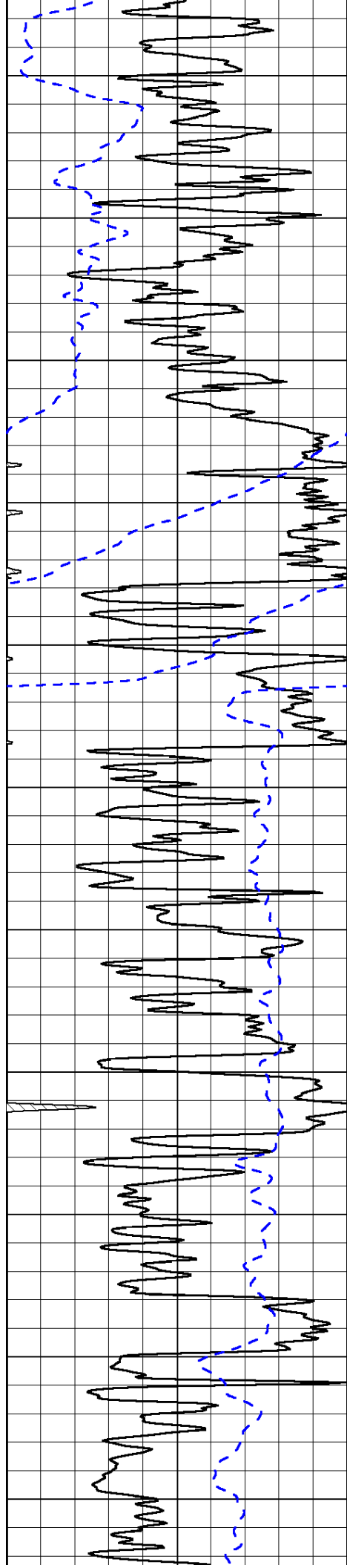
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
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50	Deep Resistivity	500

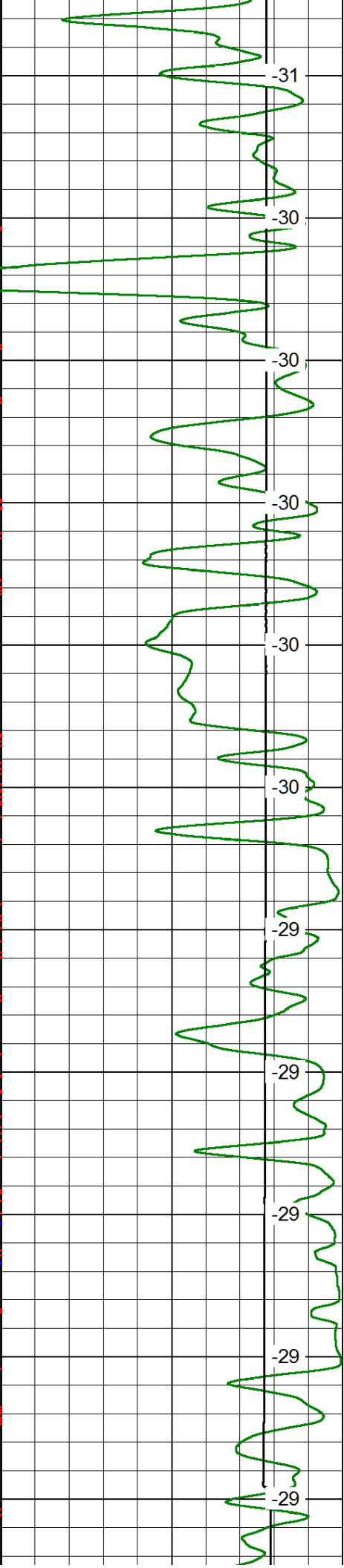
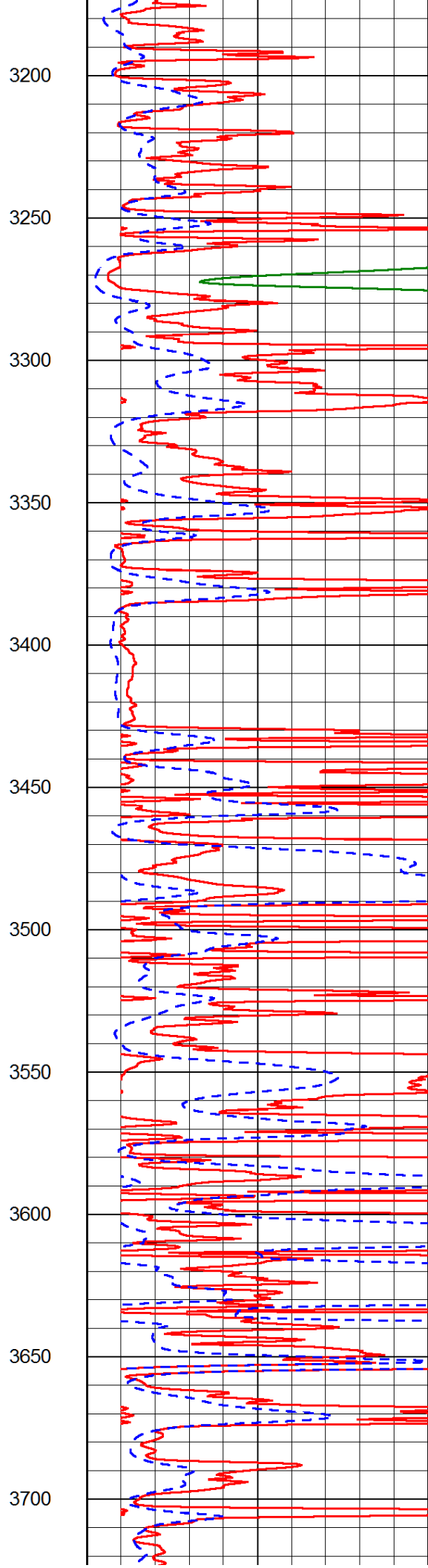
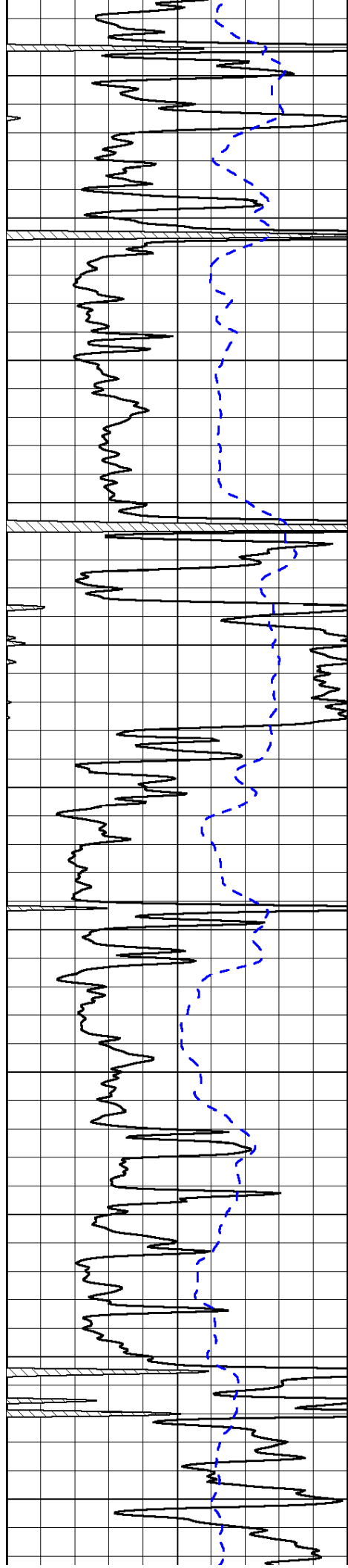
LSPD	0
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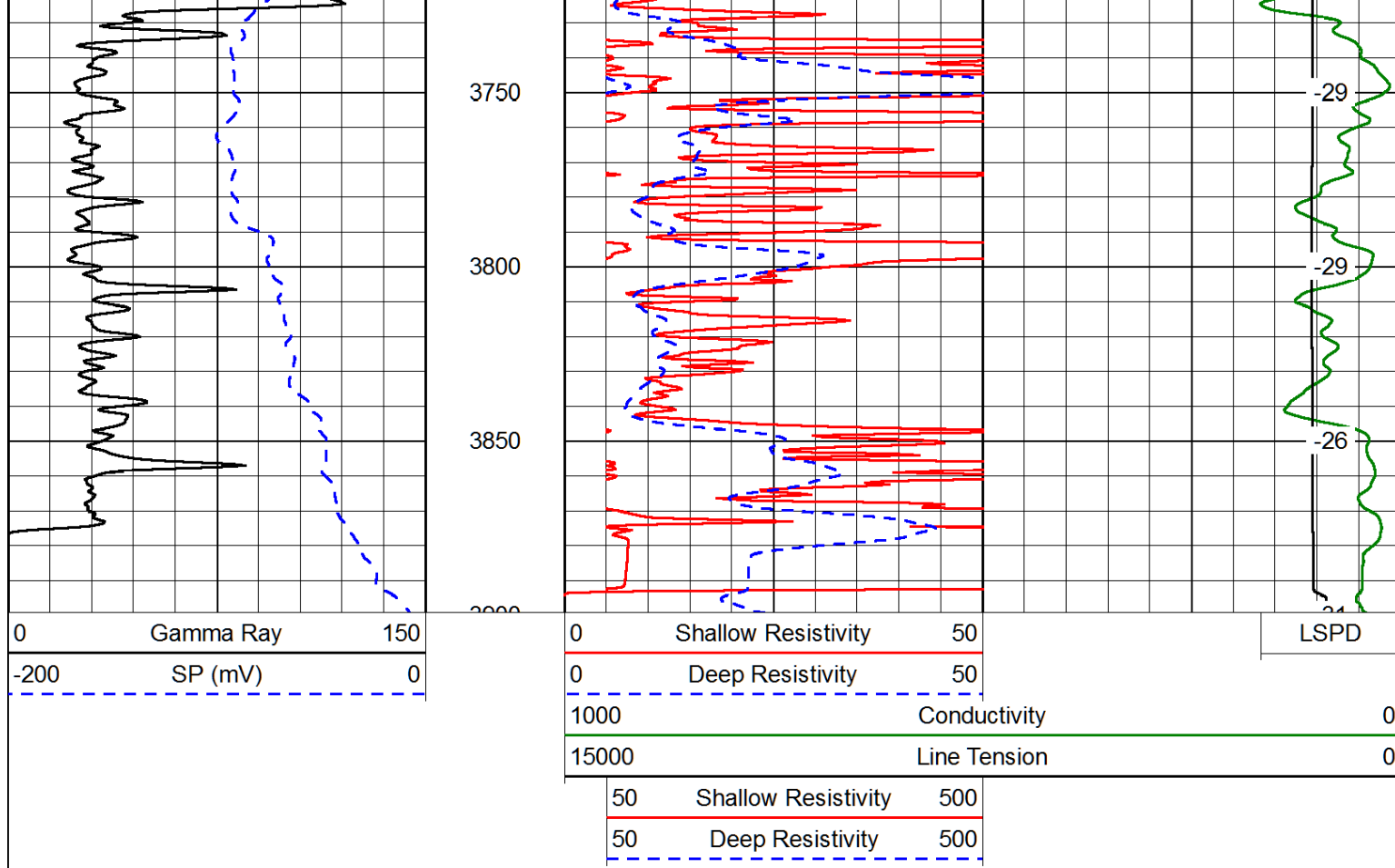




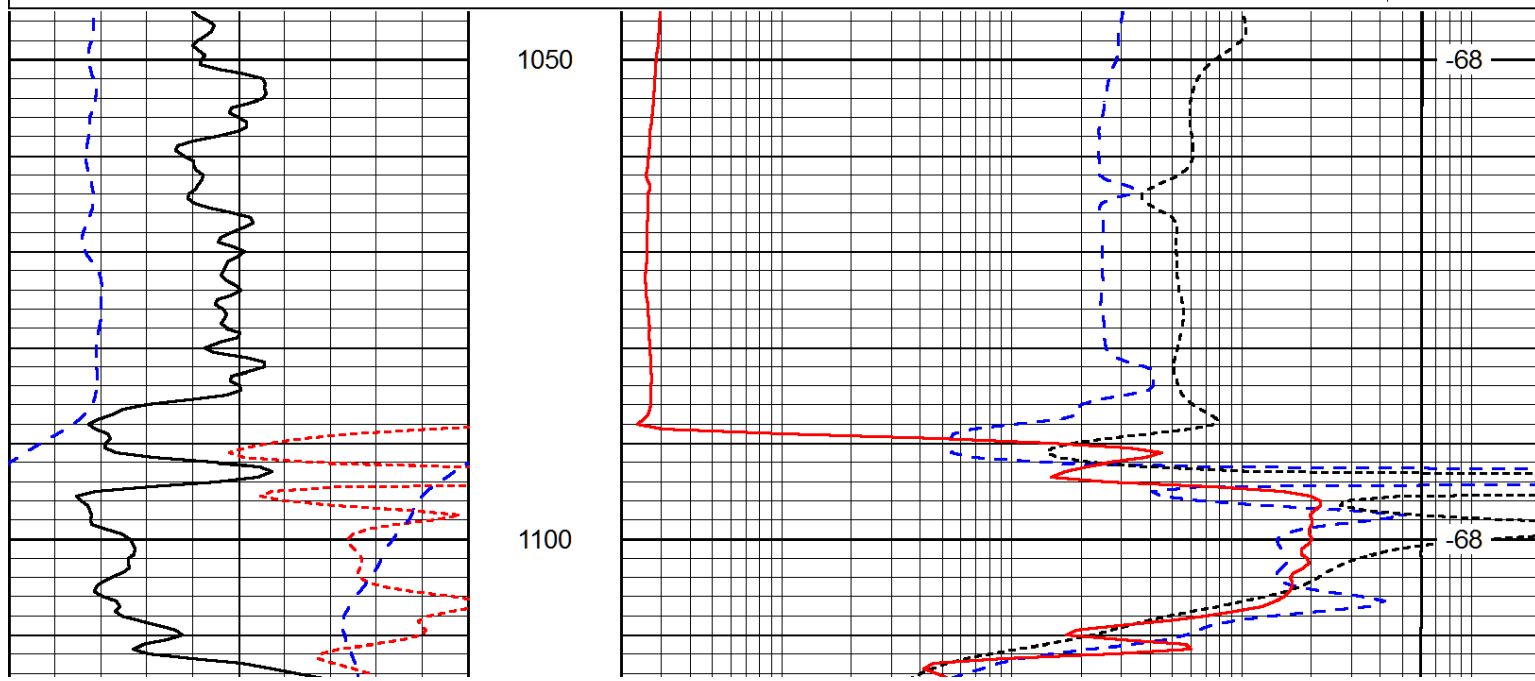
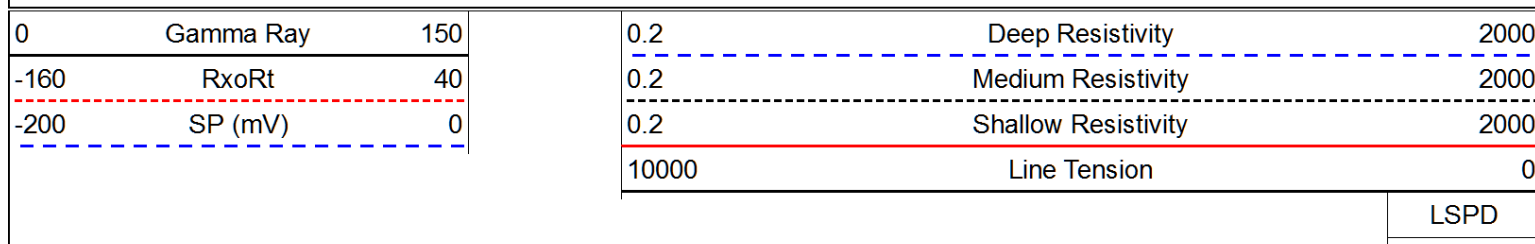


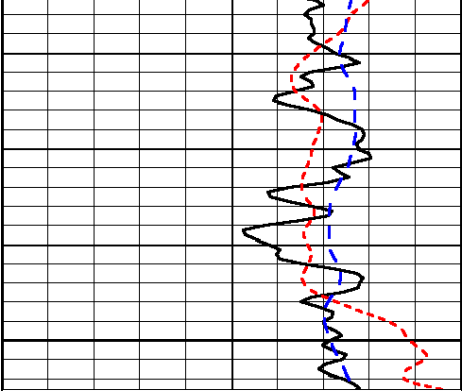






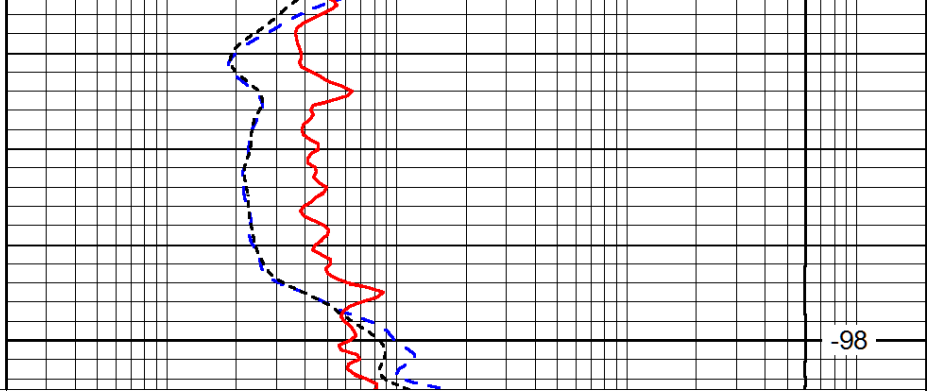
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Dataset Pathname: DIL/swpstk
Presentation Format: dil
Dataset Creation: Thu Jan 15 18:00:50 2015
Charted by: Depth in Feet scaled 1:240





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

1150



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

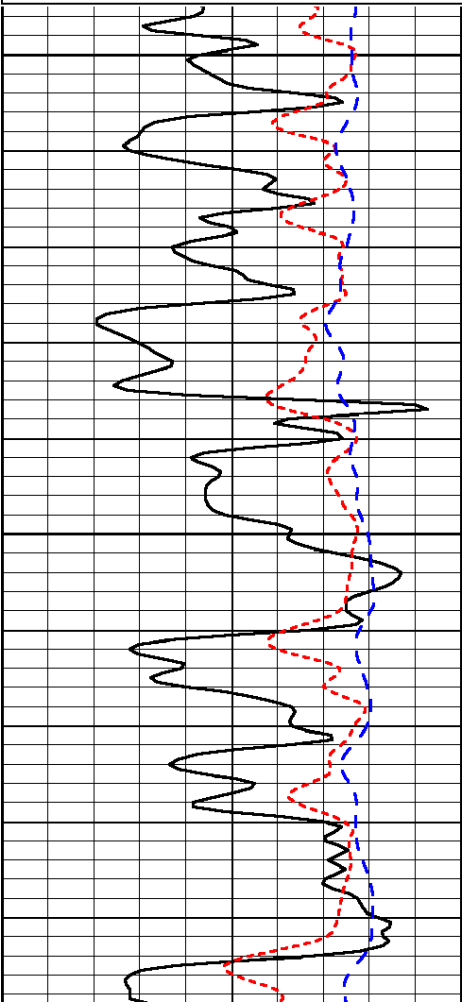
LSPD

Database File: southwindpet_dirks_27_2hd.db
Dataset Pathname: DIL/swpstk
Presentation Format: dil
Dataset Creation: Thu Jan 15 18:00:50 2015
Charted by: Depth in Feet scaled 1:240

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

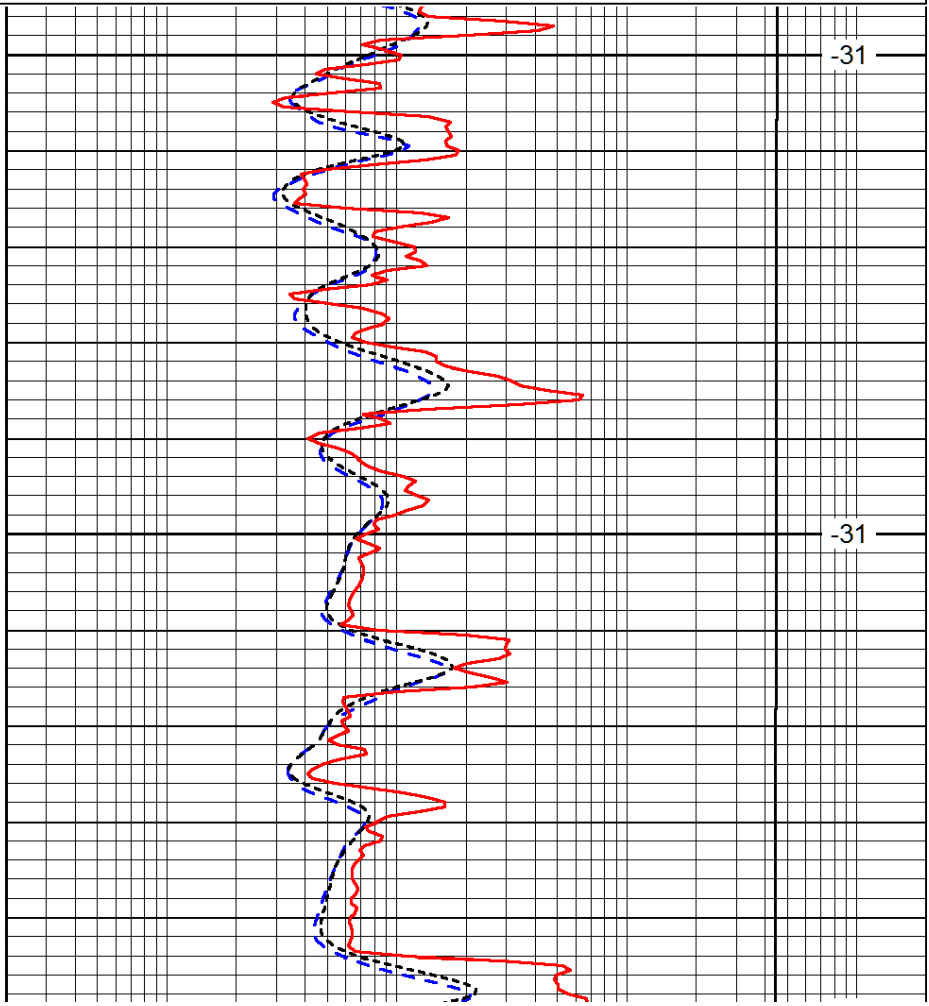
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



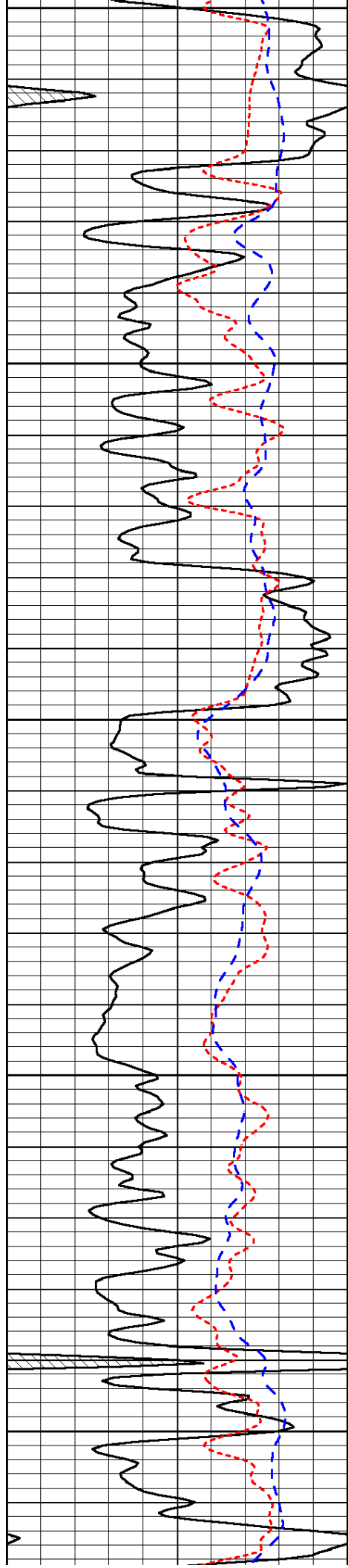
2900

2950



-31

-31



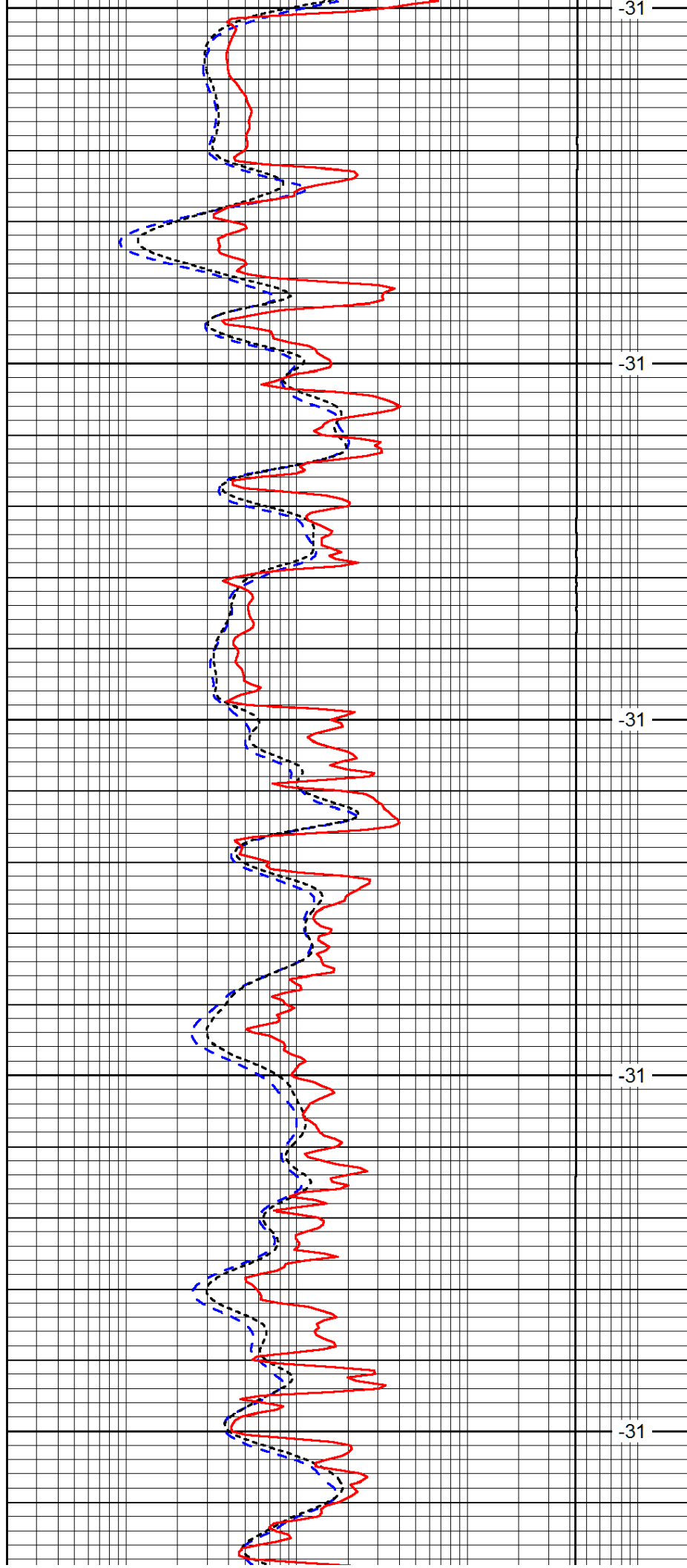
3000

3050

3100

3150

3200



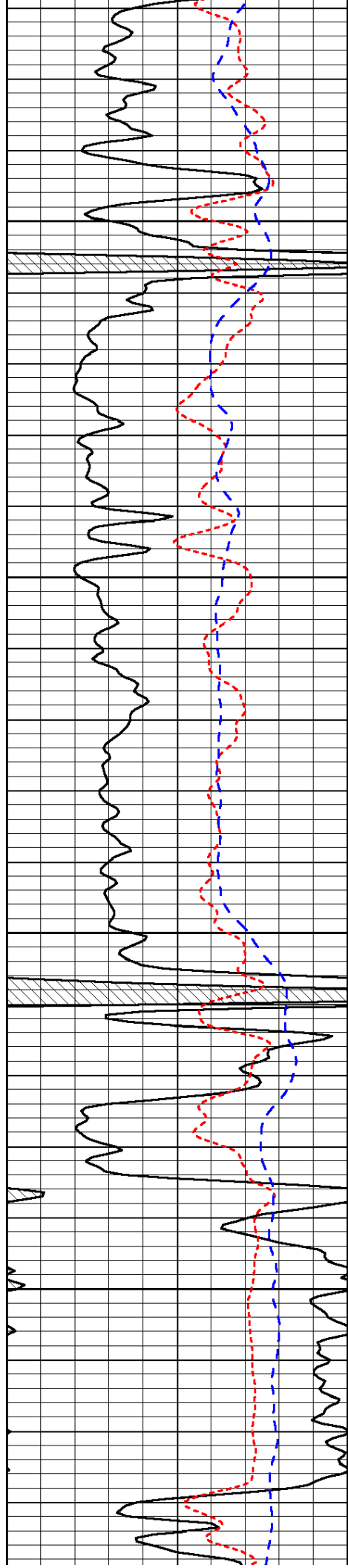
-31

-31

-31

-31

-31

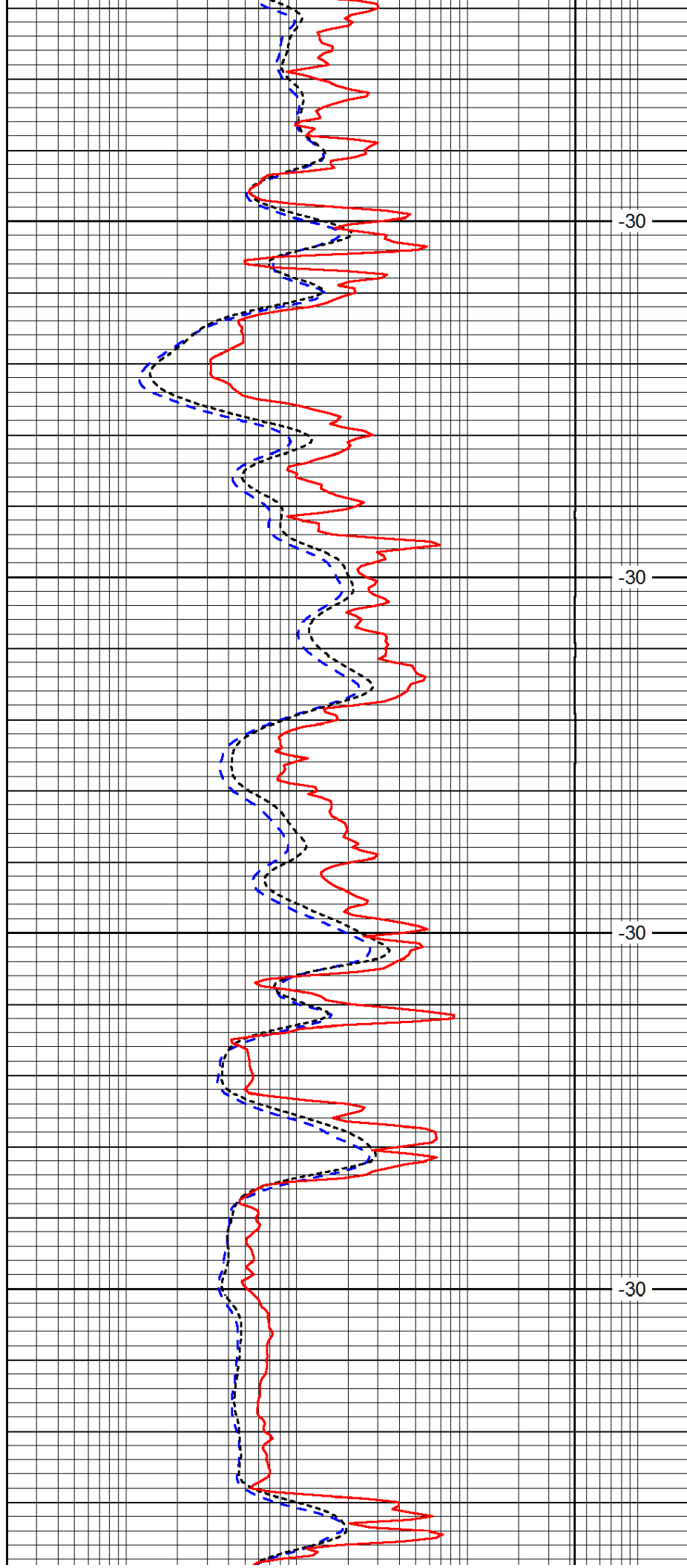


3250

3300

3350

3400

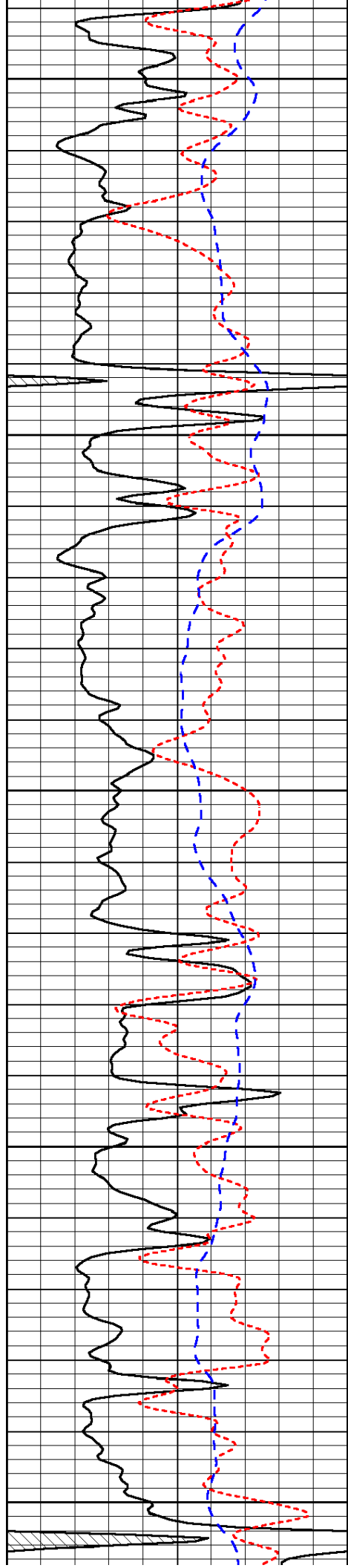


-30

-30

-30

-30



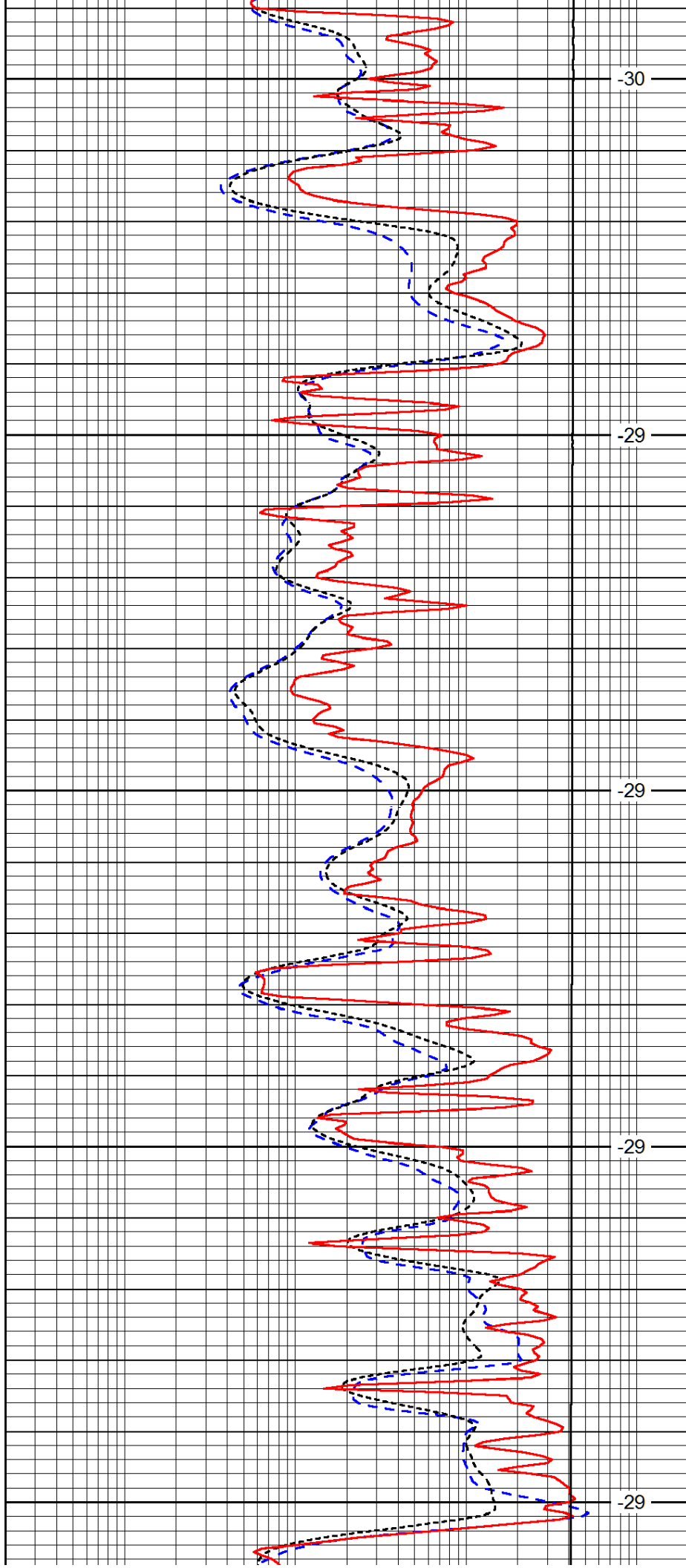
3450

3500

3550

3600

3650



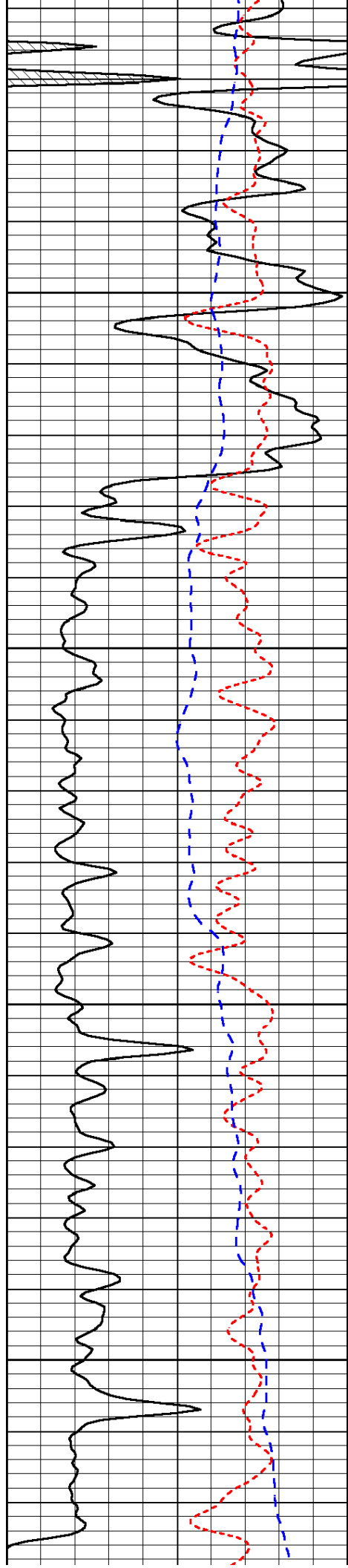
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-29

-29

-29

-29

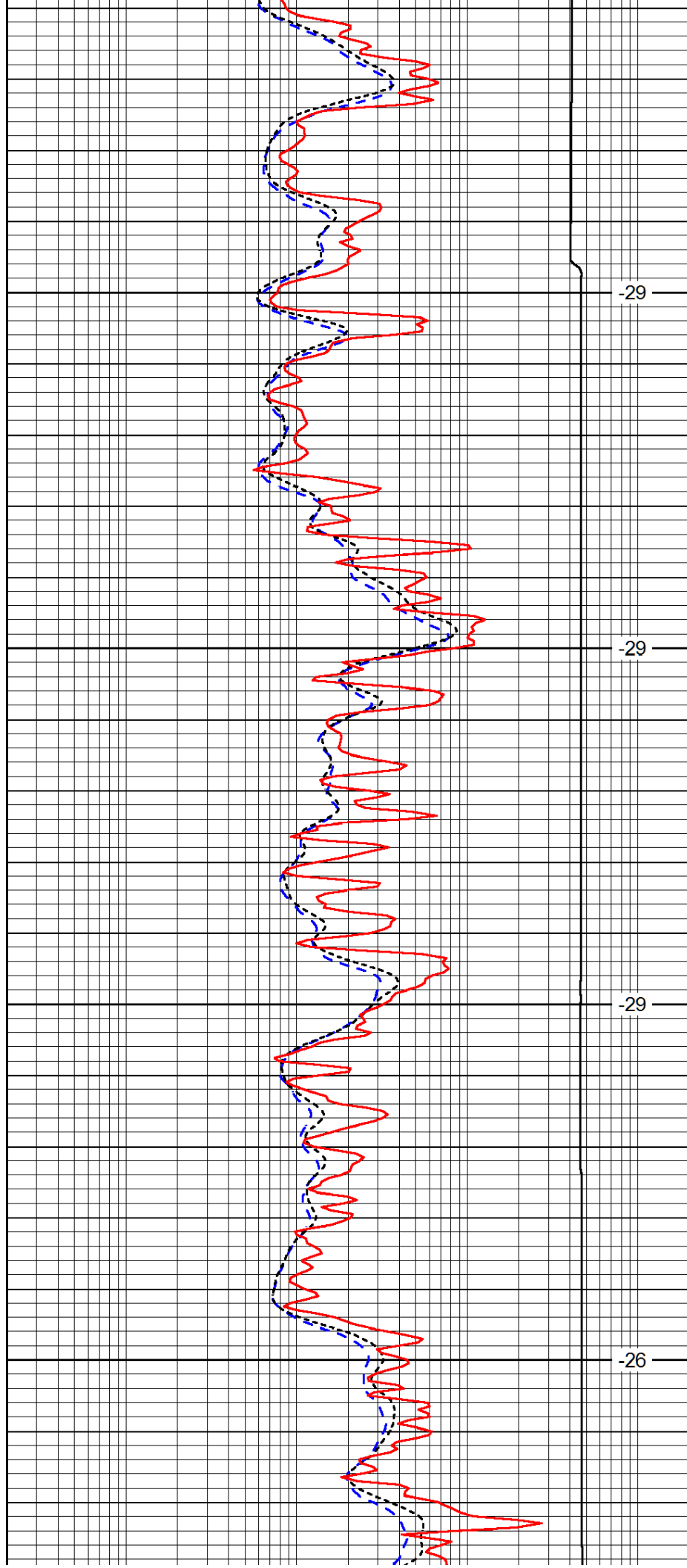


3700

3750

3800

3850

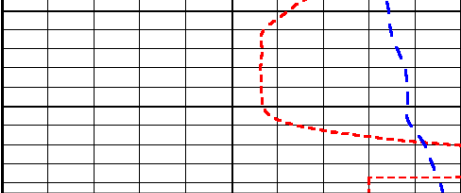


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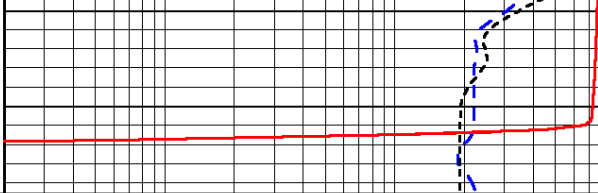
-29

-29

-26



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



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

LSPD