



Pioneer Energy Services

Dual Induction Log

API No.

15-063-22,229-00-00

Company Questa Energy Corporation

Well Leighton No. 1-35

Field Wildcat

County Gove State Kansas

Location

2145' FNL & 1348' FWL

Other Services
CNL/CDL
MEL/BHCS

Sec: 35

Twp: 13s

Rge: 27w

Permanent Datum

Ground Level

Elevation 2580.8

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

K.B. 2590.8
D.F.
G.L. 2580.8

Drilling Measured From

Kelly Bushing

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Date

12/15/2014

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Run Number

One

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Depth Driller

4452

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Depth Logger

4452

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Bottom Logged Interval

4451

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Top Log Interval

250

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Casing Driller

8.625 @ 285

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Casing Logger

278

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Bit Size

7.875

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Type Fluid in Hole

Chemical

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Salinity, ppm CL

3200

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Density / Viscosity

9.1 55

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

pH / Fluid Loss

10.5 7.2

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Source of Sample

Flowline

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Rm @ Meas. Temp

.90 @ 58

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Rmf @ Meas. Temp

.68 @ 58

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Rmc @ Meas. Temp

1.22 @ 58

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Source of Rmf / Rmc

Charts

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Rm @ BHT

.43 @ 121

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Operating Rig Time

5 Hours

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Max Rec. Temp. F

121

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Equipment Number

108

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Location

Hays

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Recorded By

D. Fischer

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

Witnessed By

Nita Hunt

Elevation 2580.8

K.B. 2590.8
D.F.
G.L. 2580.8

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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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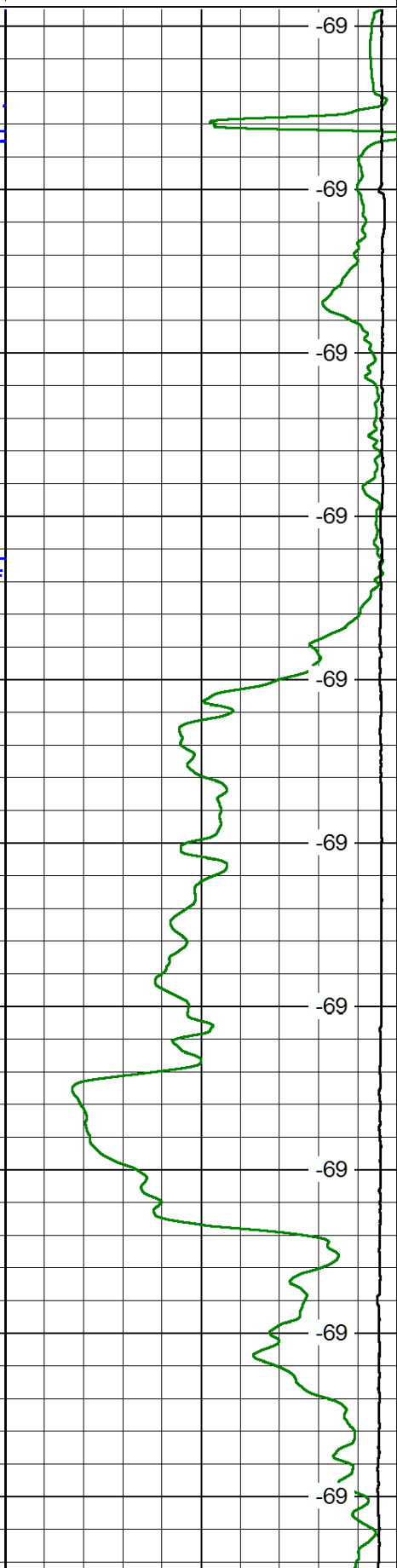
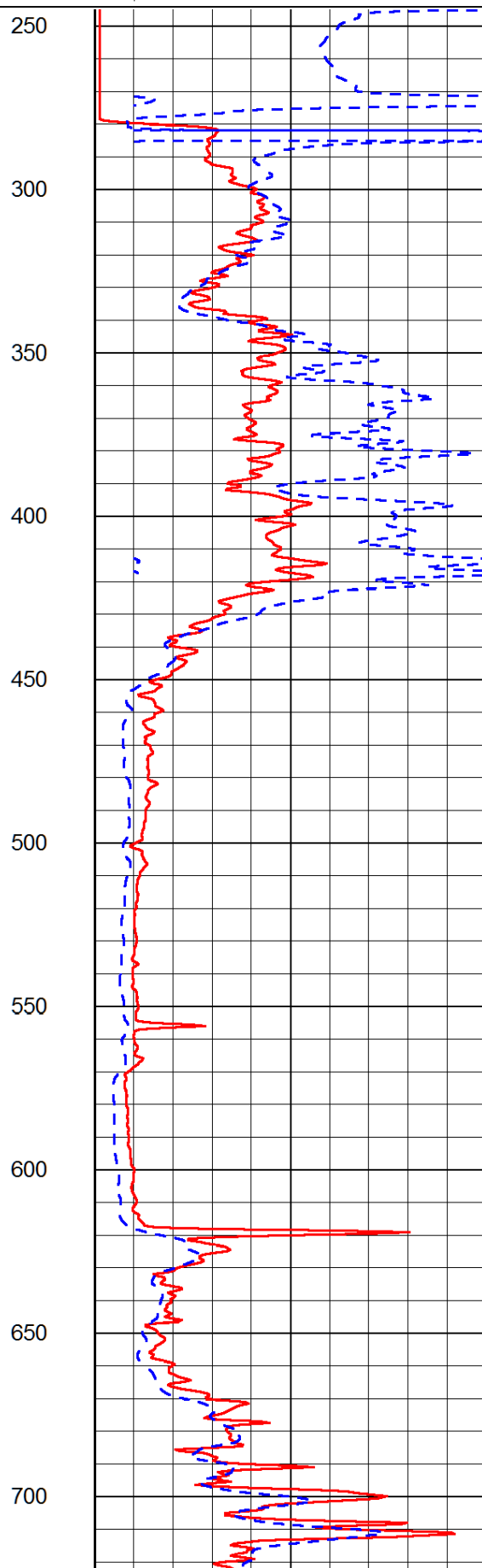
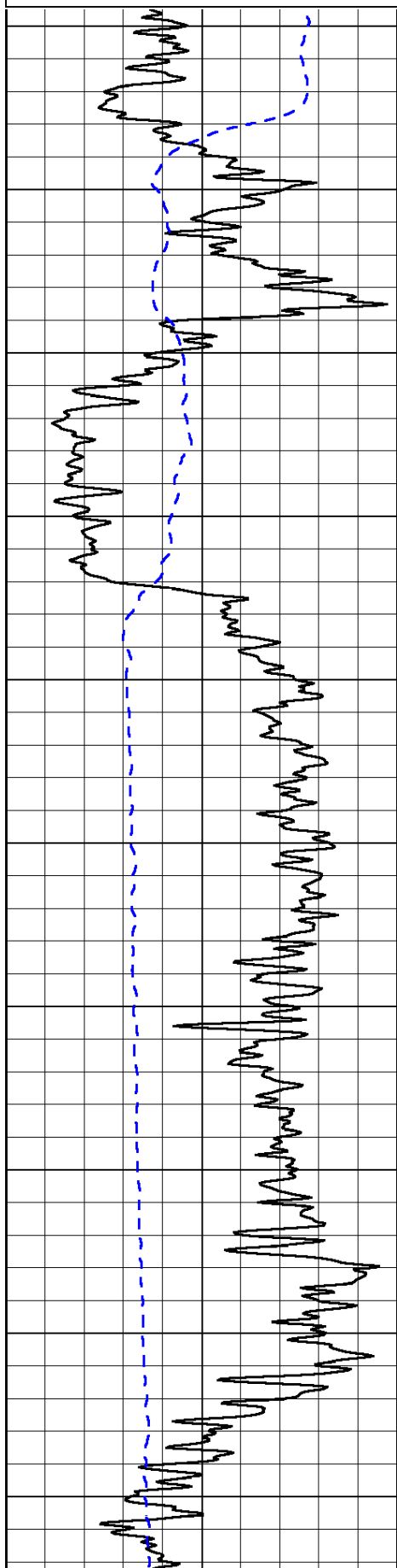
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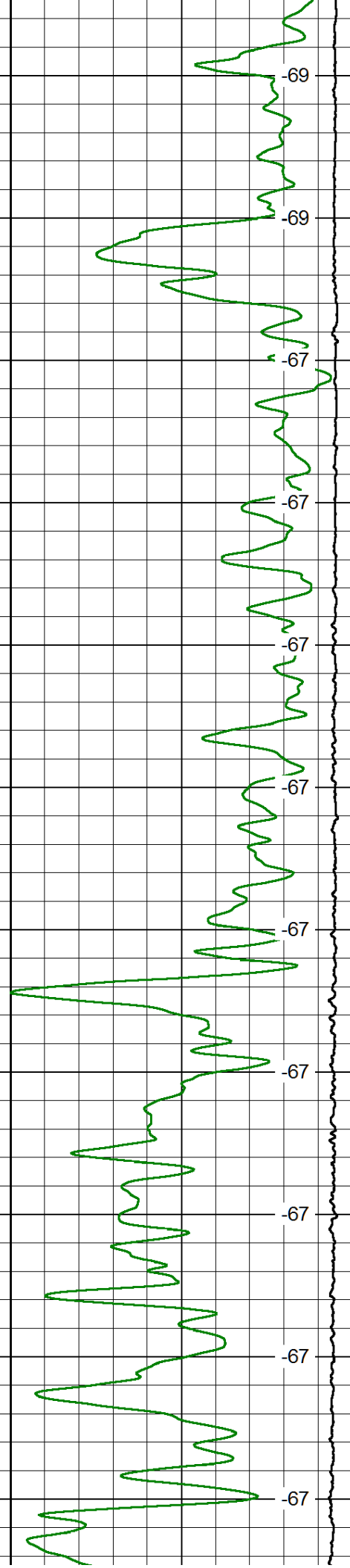
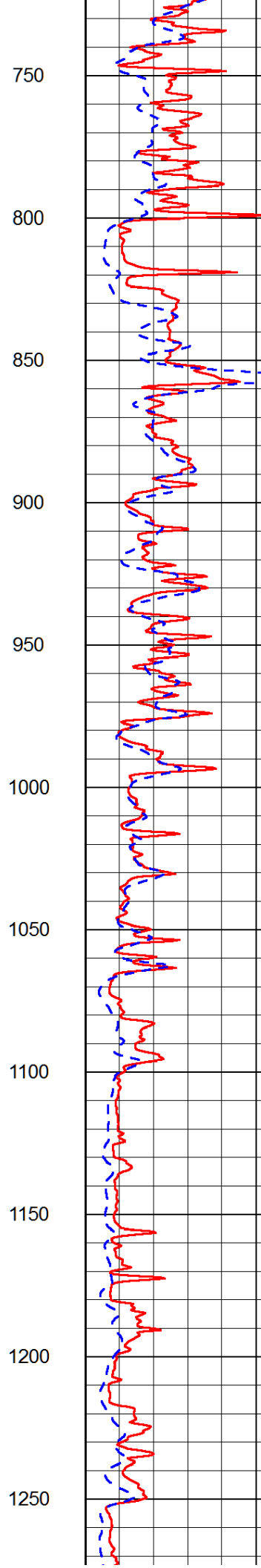
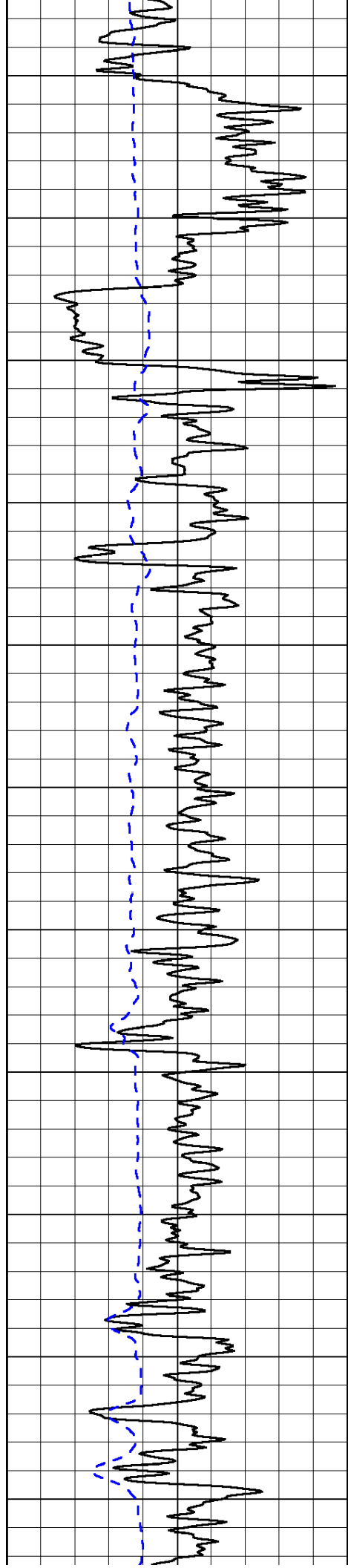
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Dataset Pathname: DIL/qustck
Presentation Format: dil2in
Dataset Creation: Mon Dec 15 17:29:35 2014
Charted by: Depth in Feet scaled 1:600

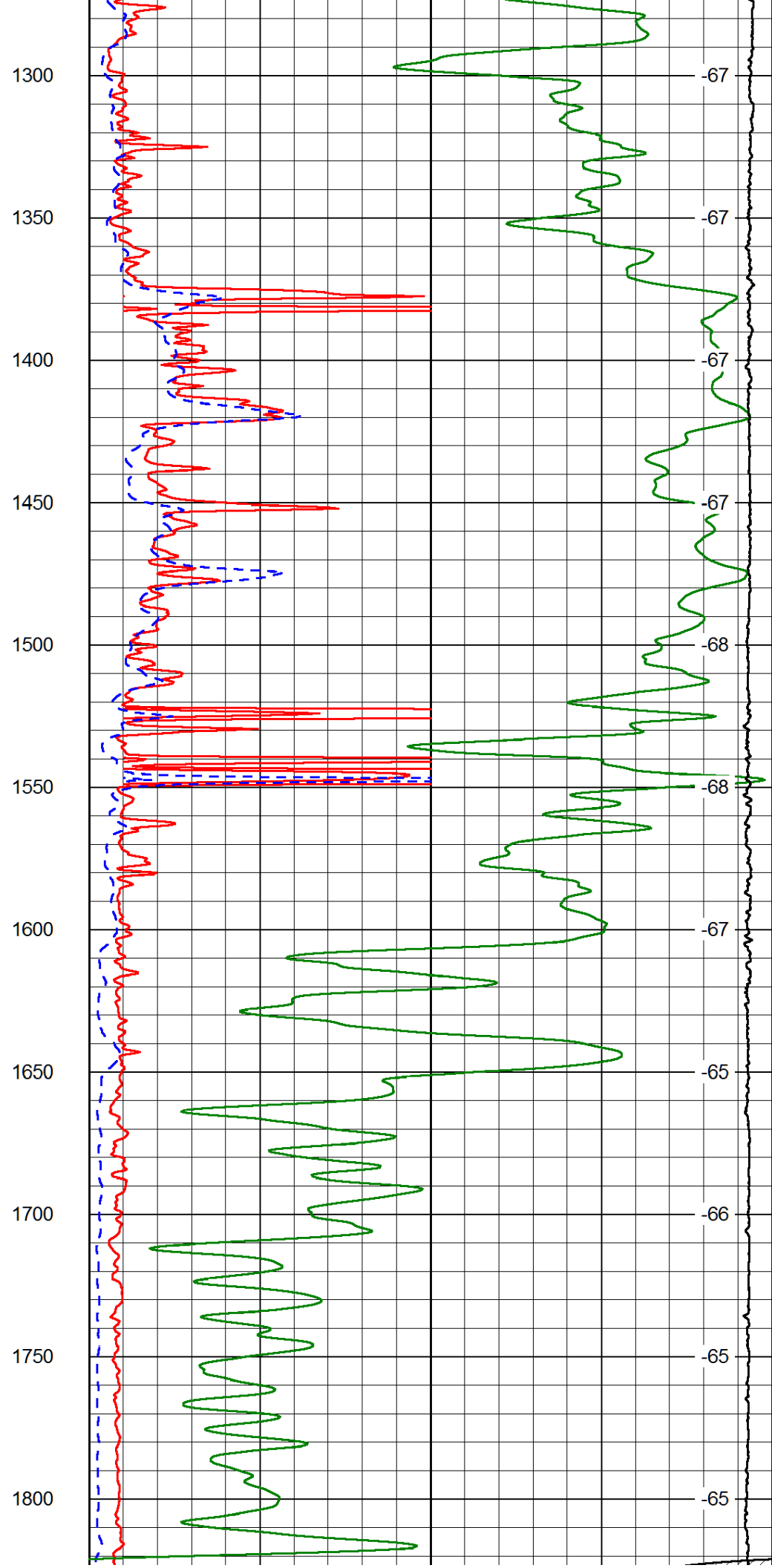
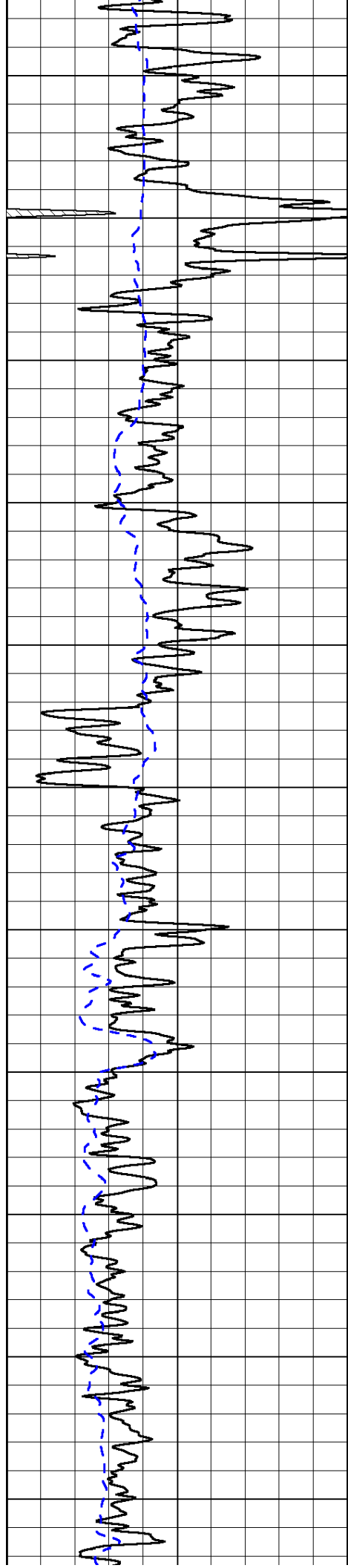
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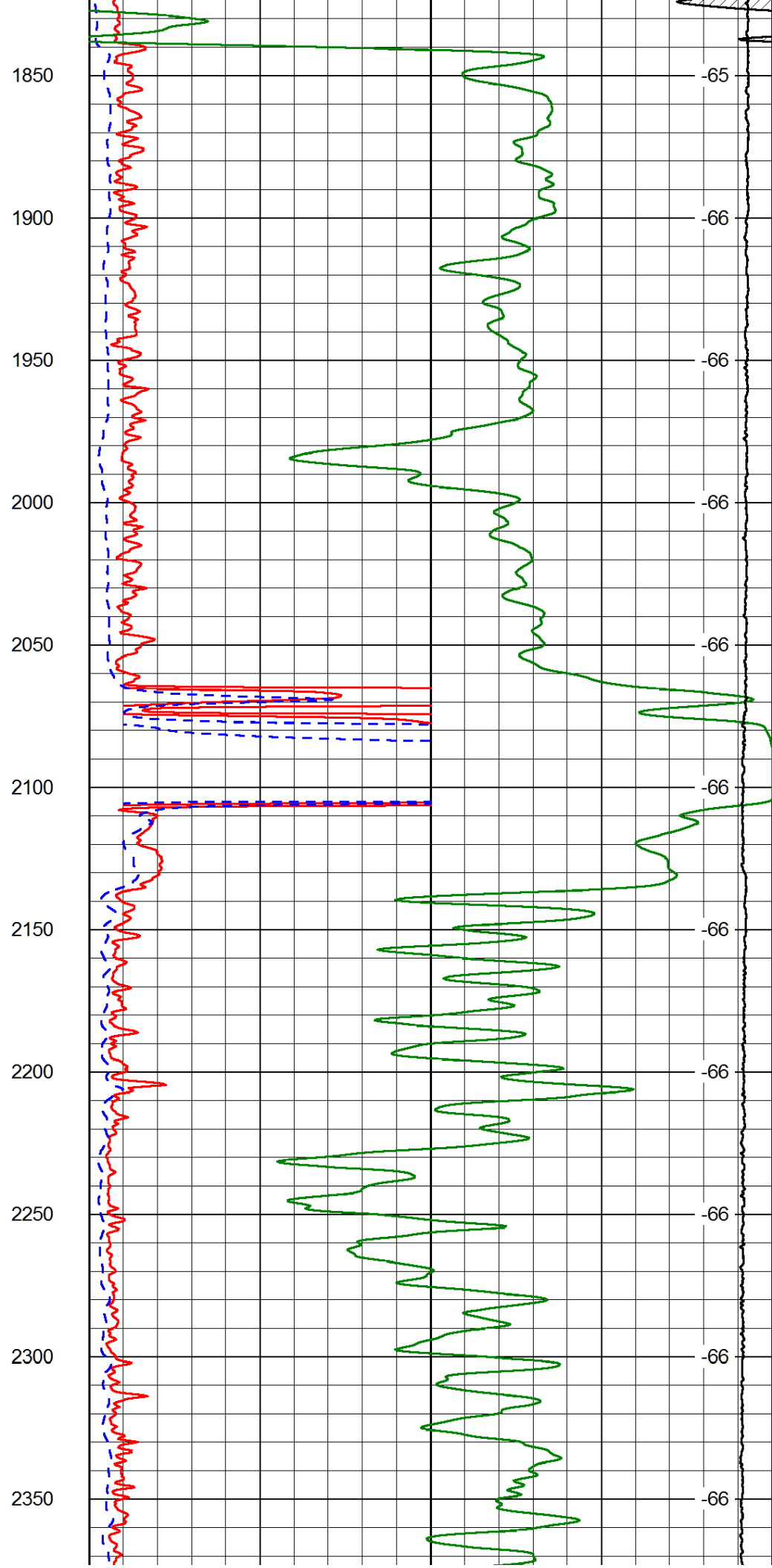
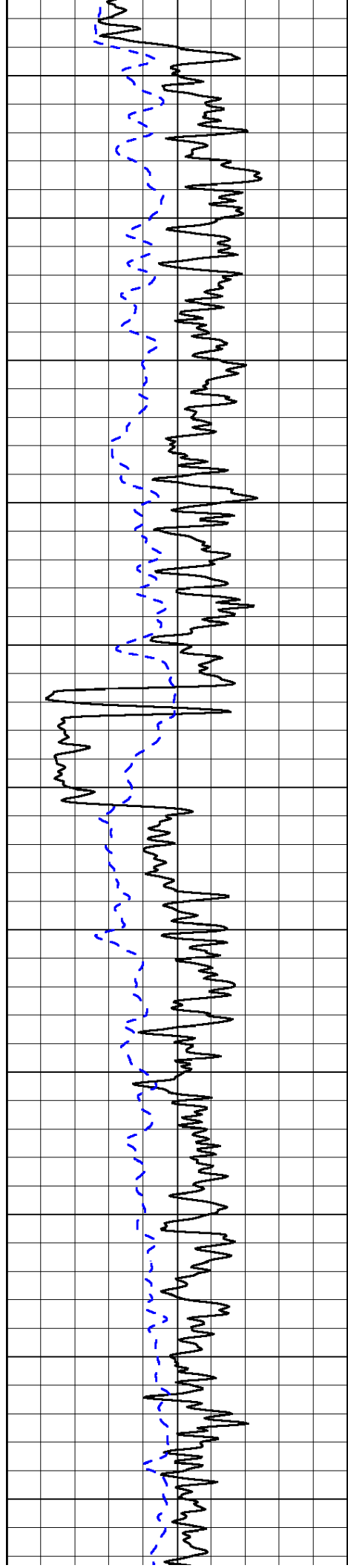
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

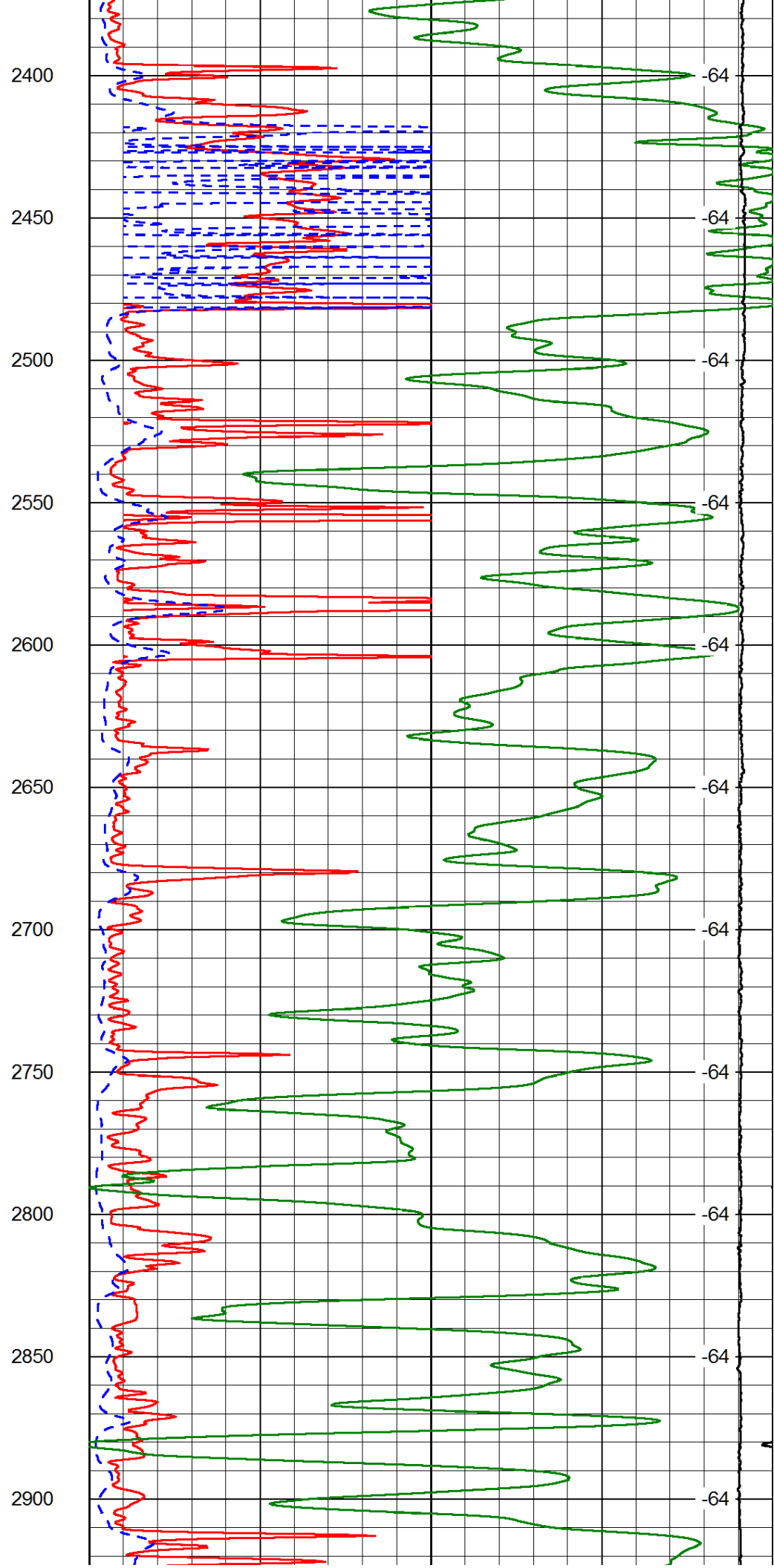
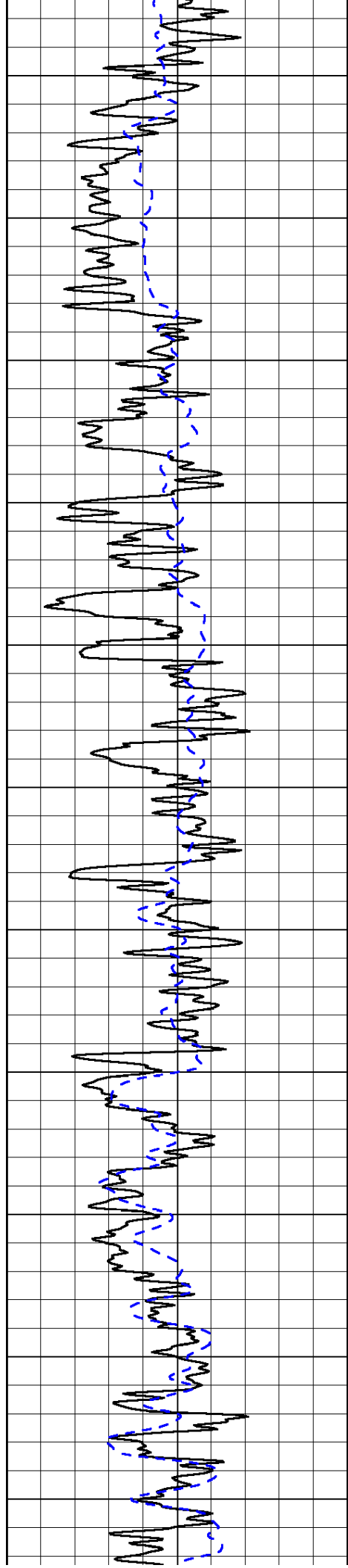
LSPD

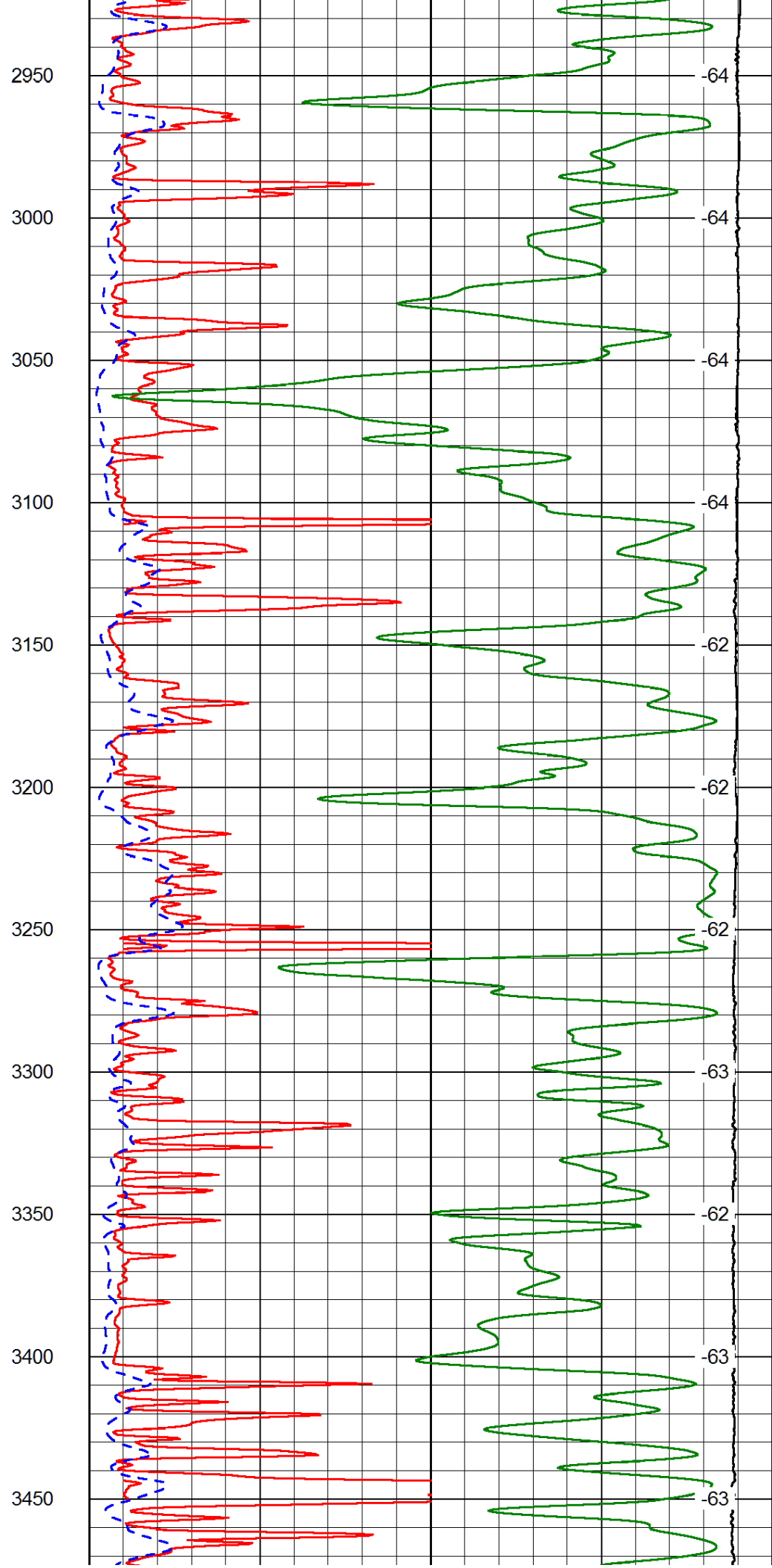
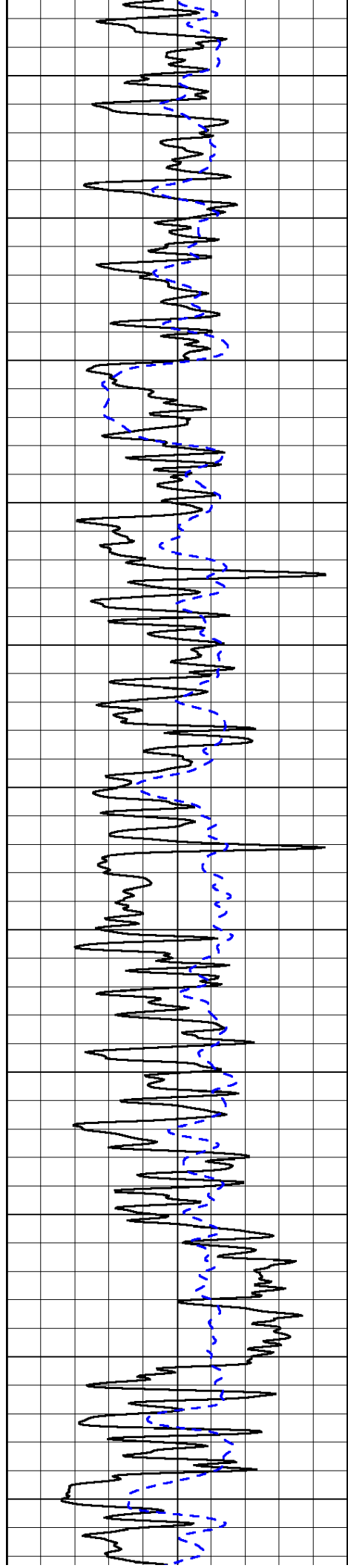


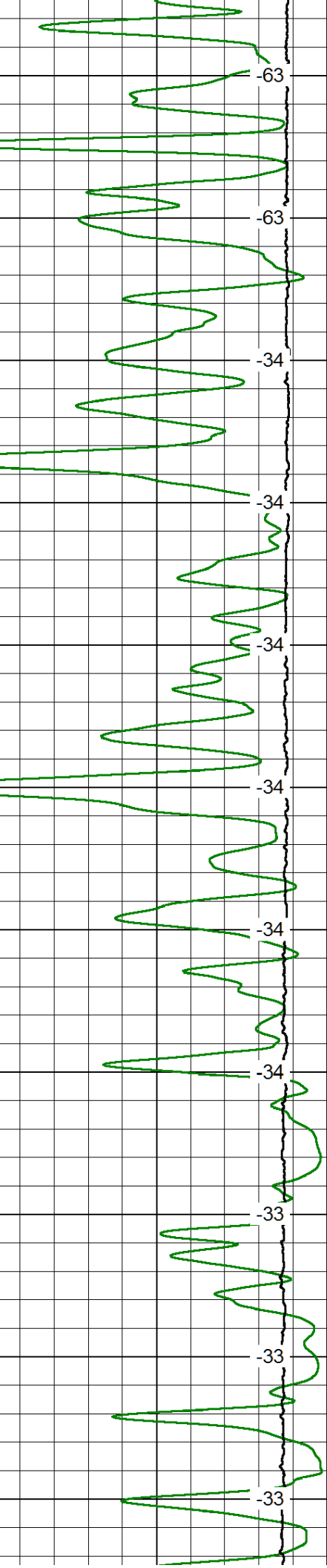
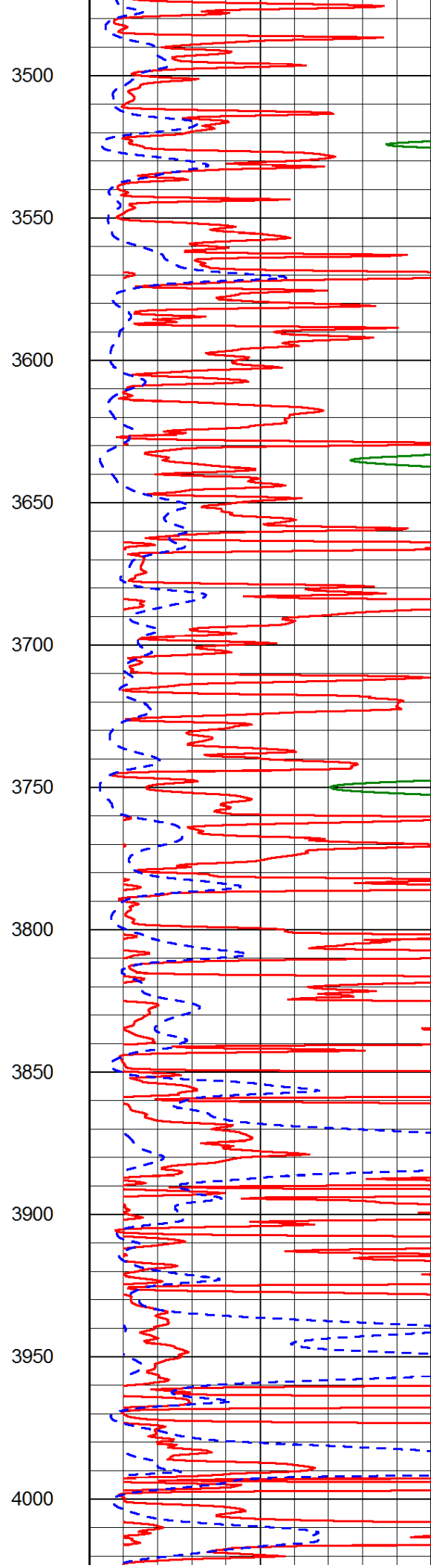
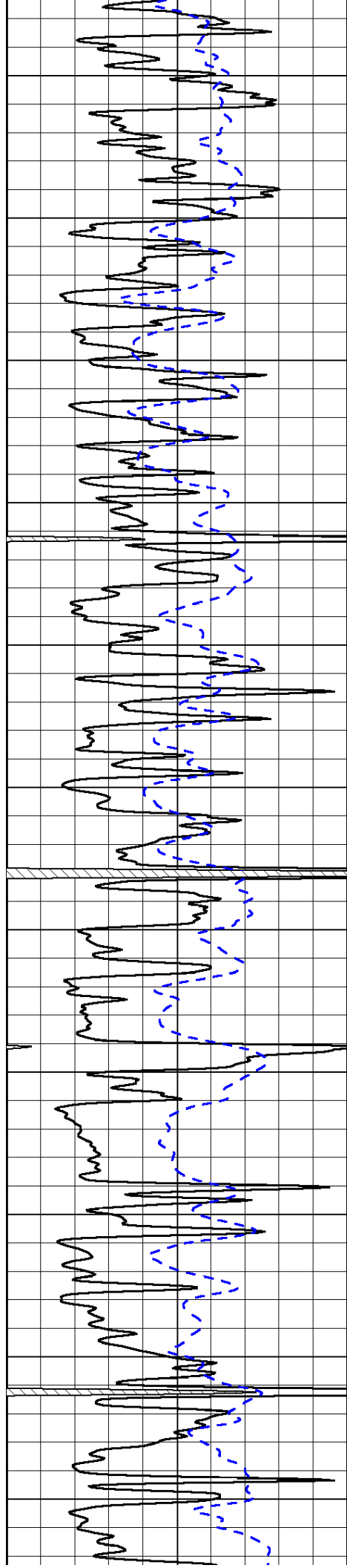


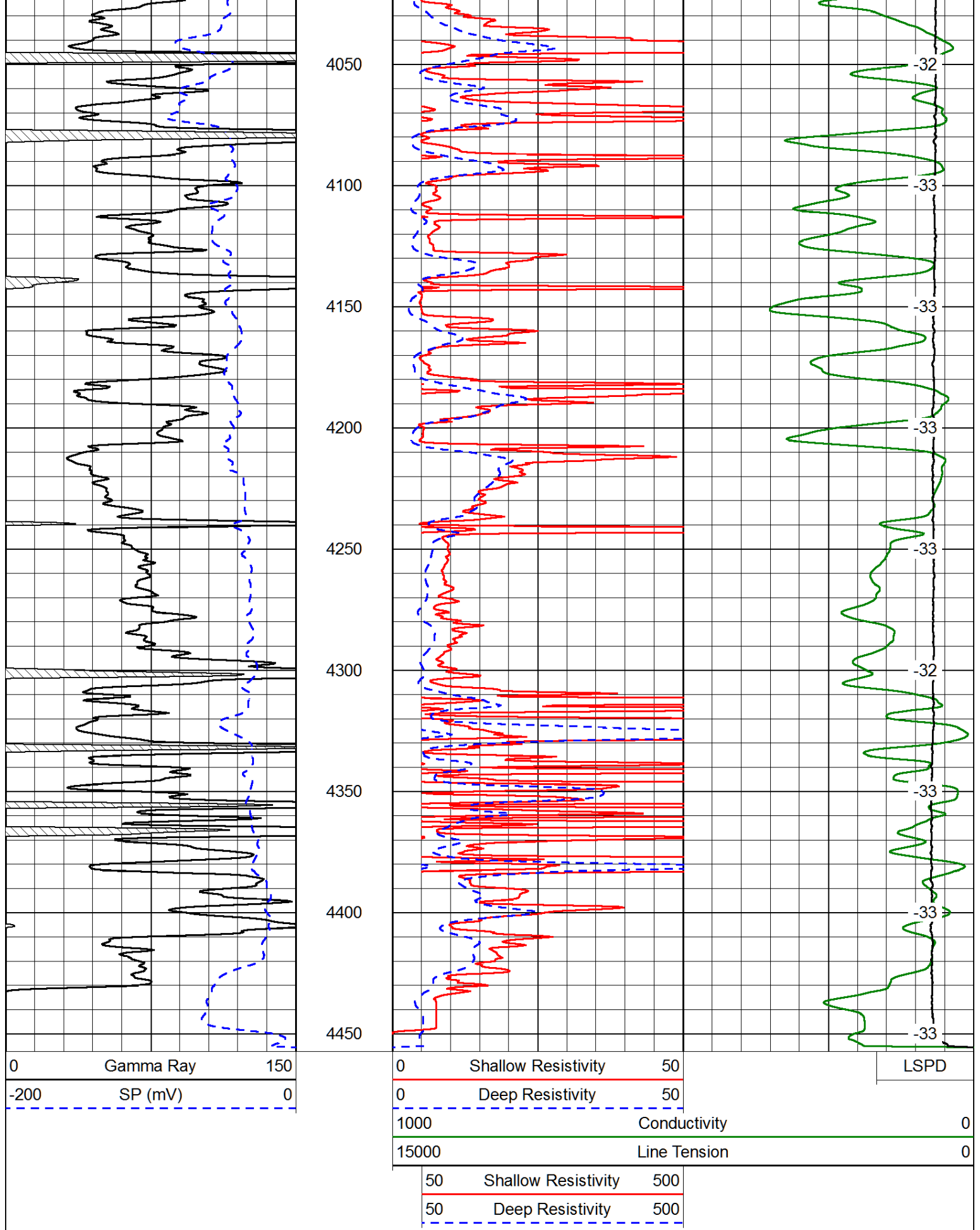






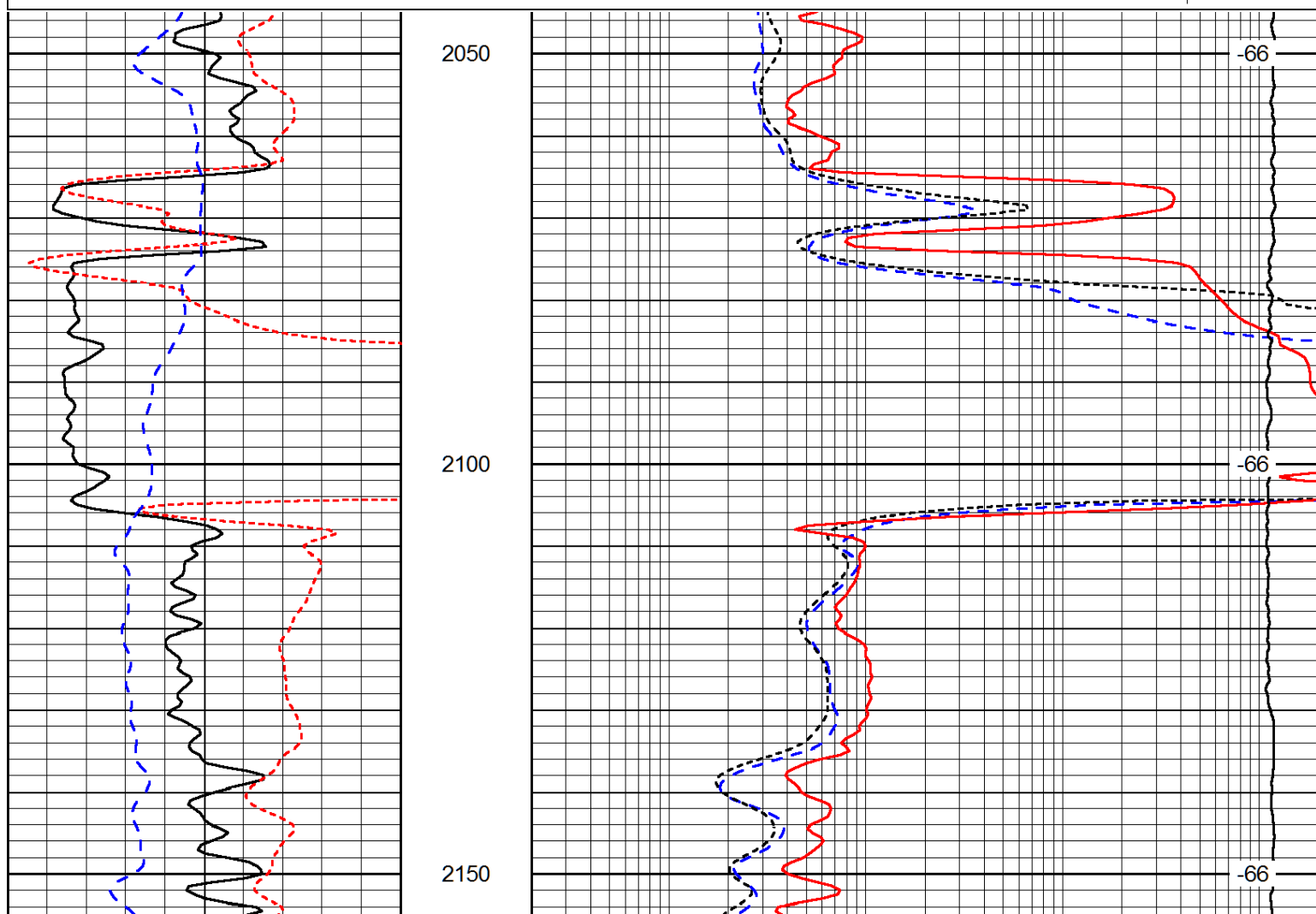






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Charted by: Depth in Feet scaled 1:240

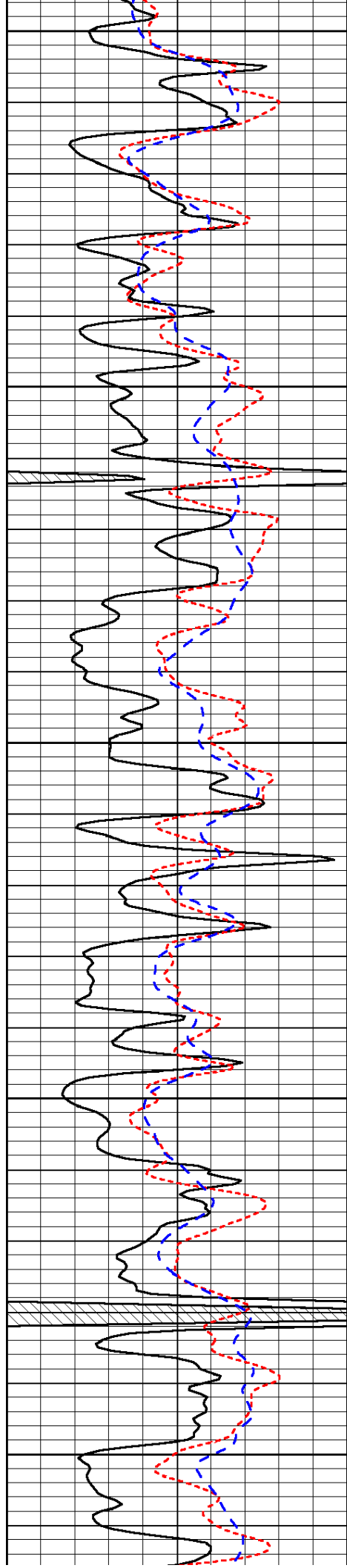
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-160	RxoRt	40	0.2	Medium Resistivity	2000	
-200	SP (mV)	0	0.2	Shallow Resistivity	2000	
				10000	Line Tension	0
					LSPD	



0	Gamma Ray	150	0.2	Deep Resistivity	2000	
-160	RxoRt	40	0.2	Medium Resistivity	2000	
-200	SP (mV)	0	0.2	Shallow Resistivity	2000	
				10000	Line Tension	0
					LSPD	

Database File: questa_leighton_1-35hd.db
Dataset Pathname: DIL/qustck
Presentation Format: dil
Dataset Creation: Mon Dec 15 17:29:35 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000	
-160	RxoRt	40	0.2	Medium Resistivity	2000	
-200	SP (mV)	0	0.2	Shallow Resistivity	2000	
				10000	Line Tension	0
					LSPD	



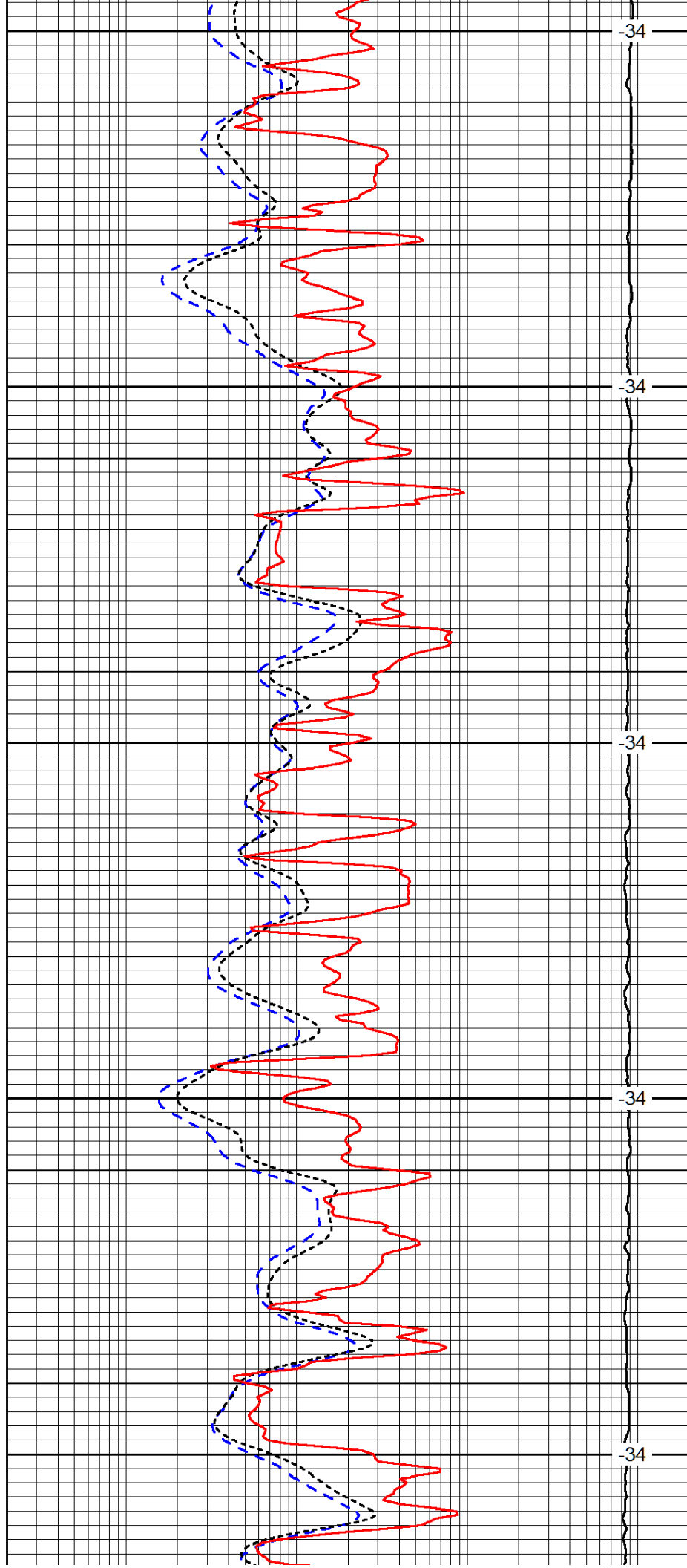
3600

3650

3700

3750

3800



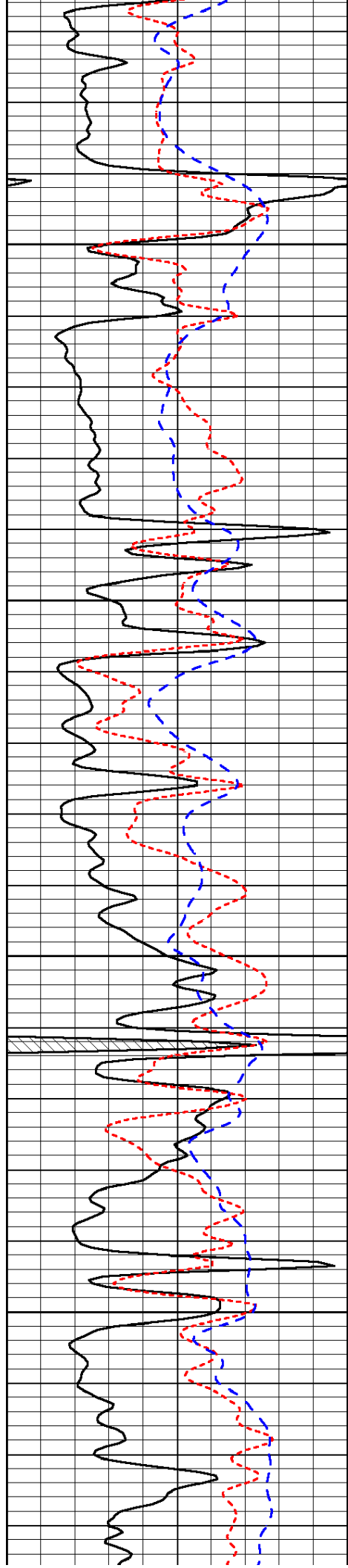
-34

-34

-34

-34

-34

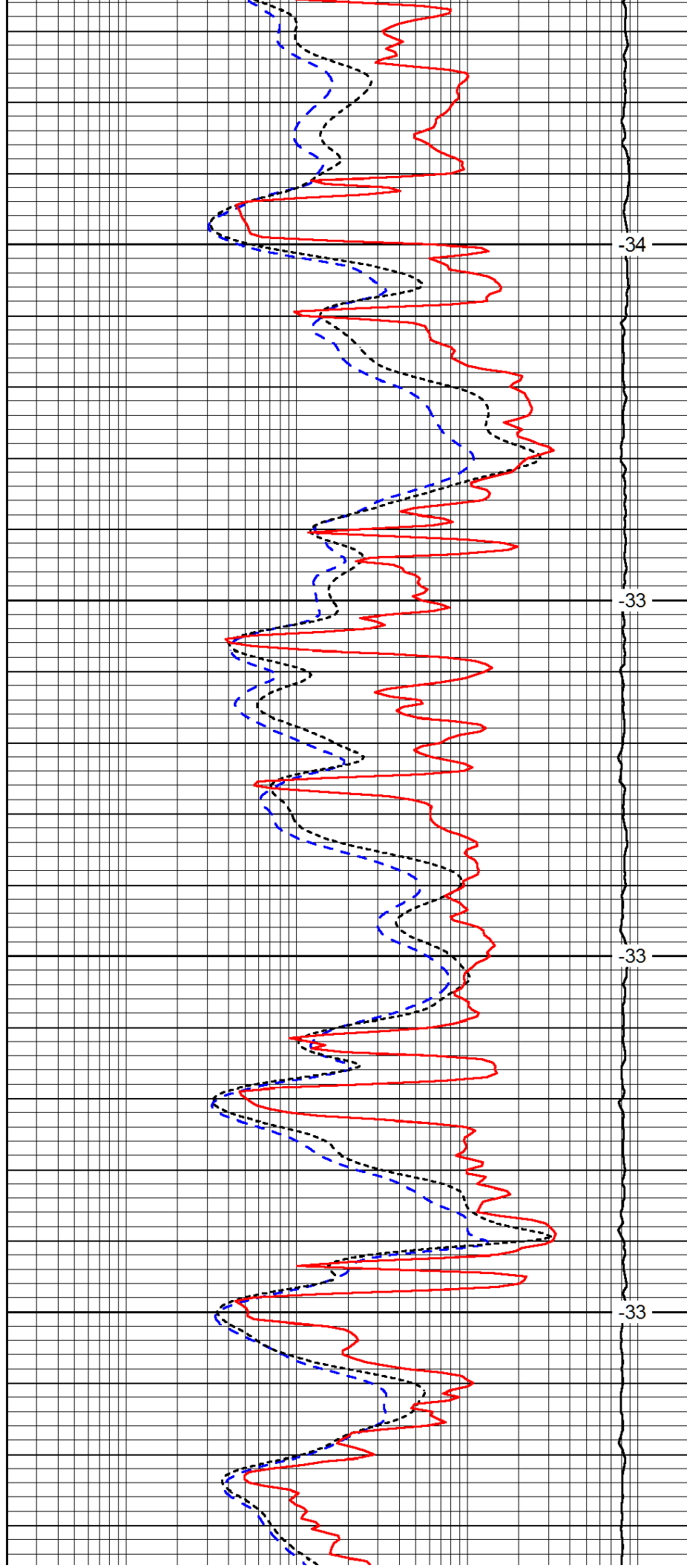


3850

3900

3950

4000

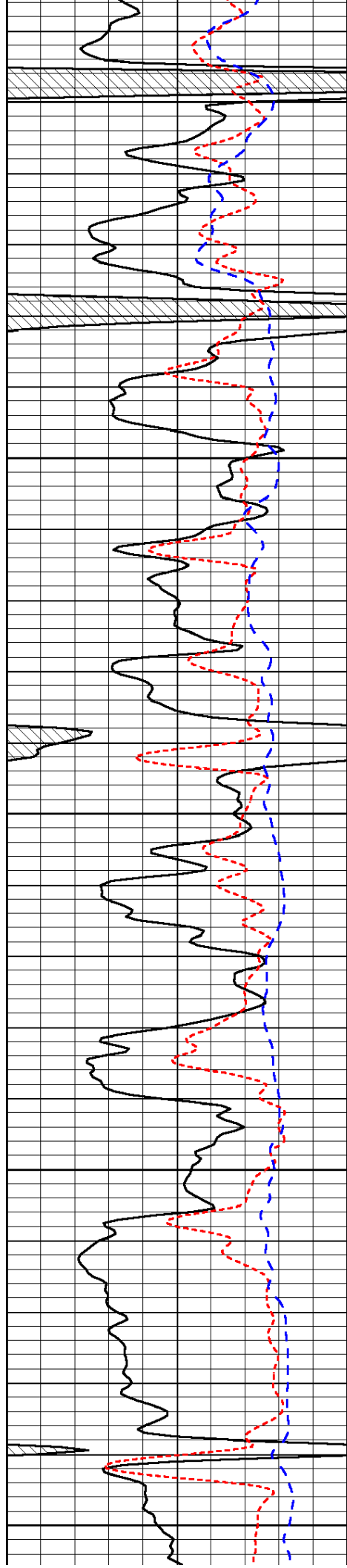


-34

-33

-33

-33



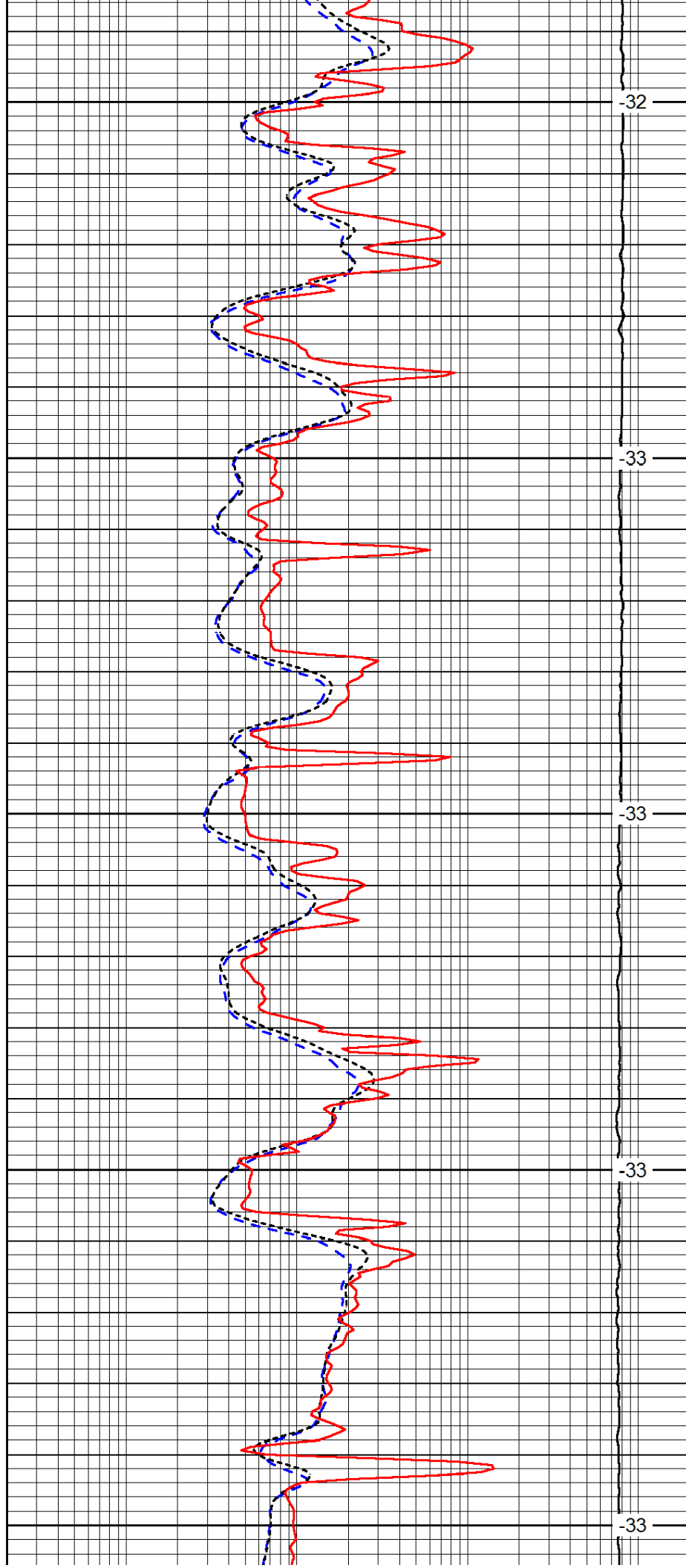
4050

4100

4150

4200

4250



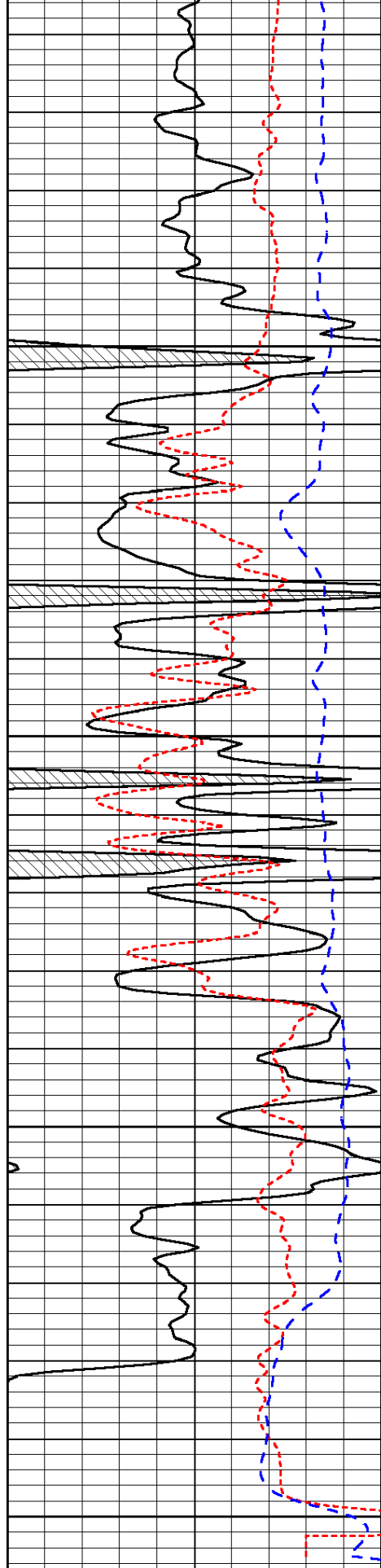
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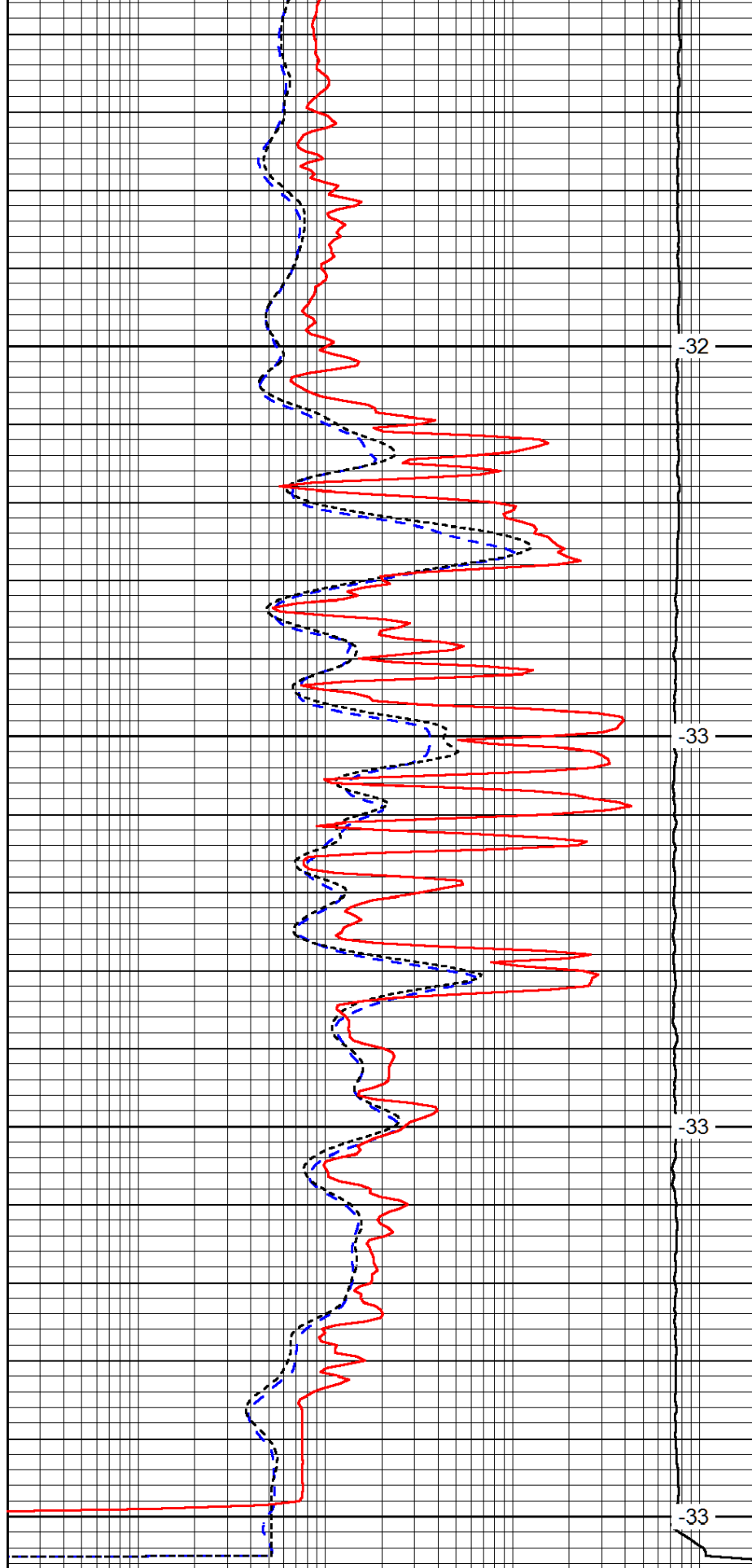
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-160	RxoRt	40
-200	SP (mV)	0

4300

4350

4400

4450



-32

-33

-33

-33

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

