



Dual Induction Log

Pioneer Energy Services

API No.

15-167-23,815-00-00

Company **JAG Operations, Inc.**

Well **Stranger Valley #1**

Field **Unknown**

County **Russell** State

Kansas

Location

170' FNL & 1460' FEL

Other Services
CNL/CDL
MEL/BHCS

Sec: 34 Twp: 13 S Rge: 15 W

Permanent Datum Ground Level Elevation 1918
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation

K.B. 1927
D.F. 1918
G.L. 1918

Date

8/12/2012

Run Number

One

Depth Driller

3430

Depth Logger

3428

Bottom Logged Interval

3427

Top Log Interval

200

Casing Driller

8.625 @ 212

Casing Logger

212

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5,000

Density / Viscosity

9.0 50

pH / Fluid Loss

9.5 10.4

Source of Sample

Flowline

Rm @ Meas. Temp

.62 @ 75

Rmf @ Meas. Temp

.47 @ 75

Rmc @ Meas. Temp

.84 @ 75

Source of Rmf / Rmc

Charts

Rm @ BHT

.41 @ 112

Operating Rig Time

4 Hours

Max Rec. Temp. F

112

Equipment Number

91

Location

Hays

Recorded By

K. Bange

Witnessed By

Mike Bair

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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

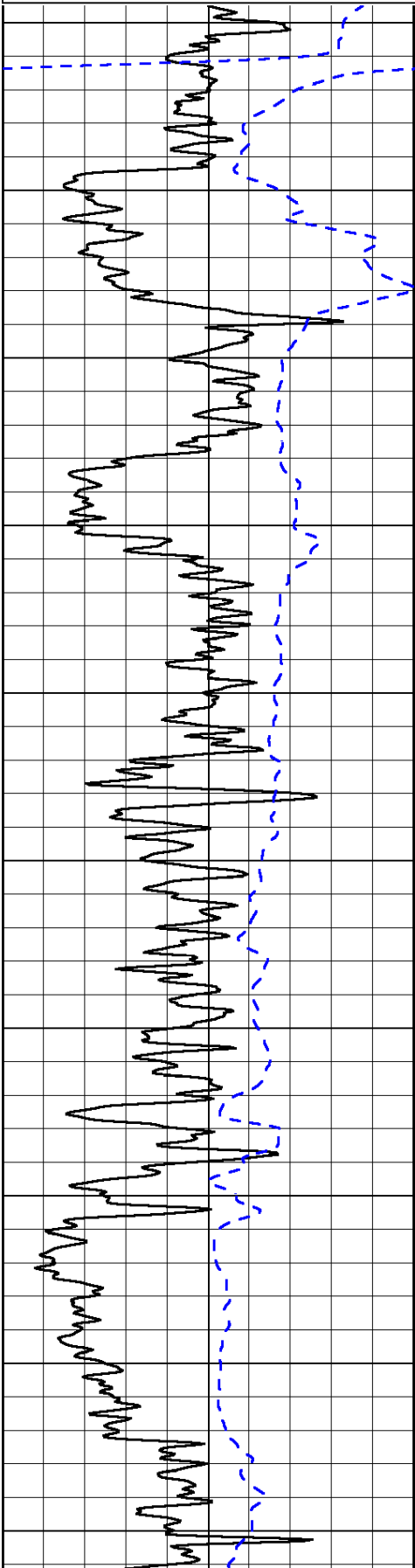
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Gorham, 3 E to 179 rd,
100' S, W into

Database File: c:\warrior\data\jag_stranger valley #1\jag081212hd.db
Dataset Pathname: dil\jagstack
Presentation Format: dil2in
Dataset Creation: Sun Aug 12 14:53:08 2012
Charted by: Depth in Feet scaled 1:600

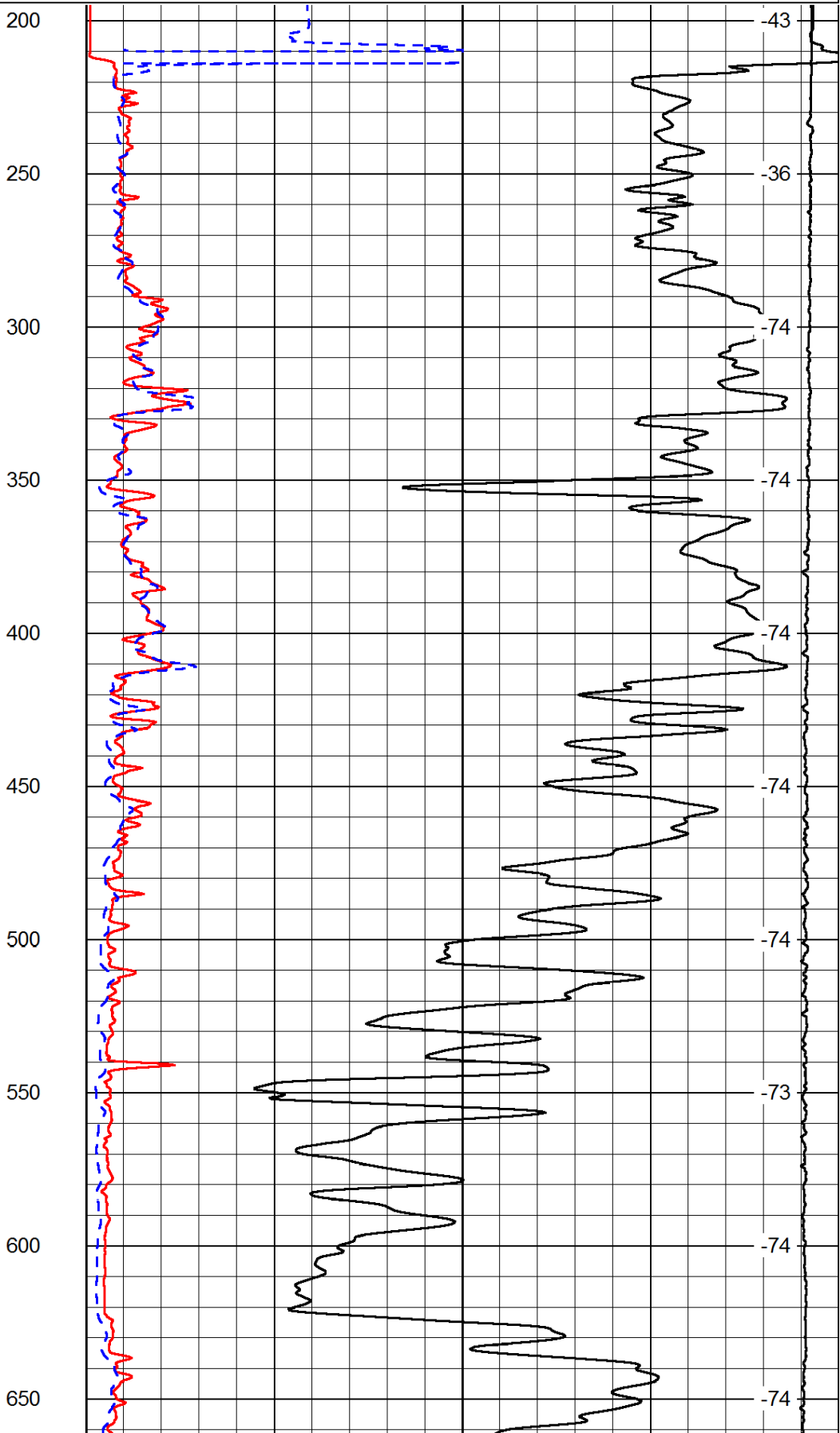
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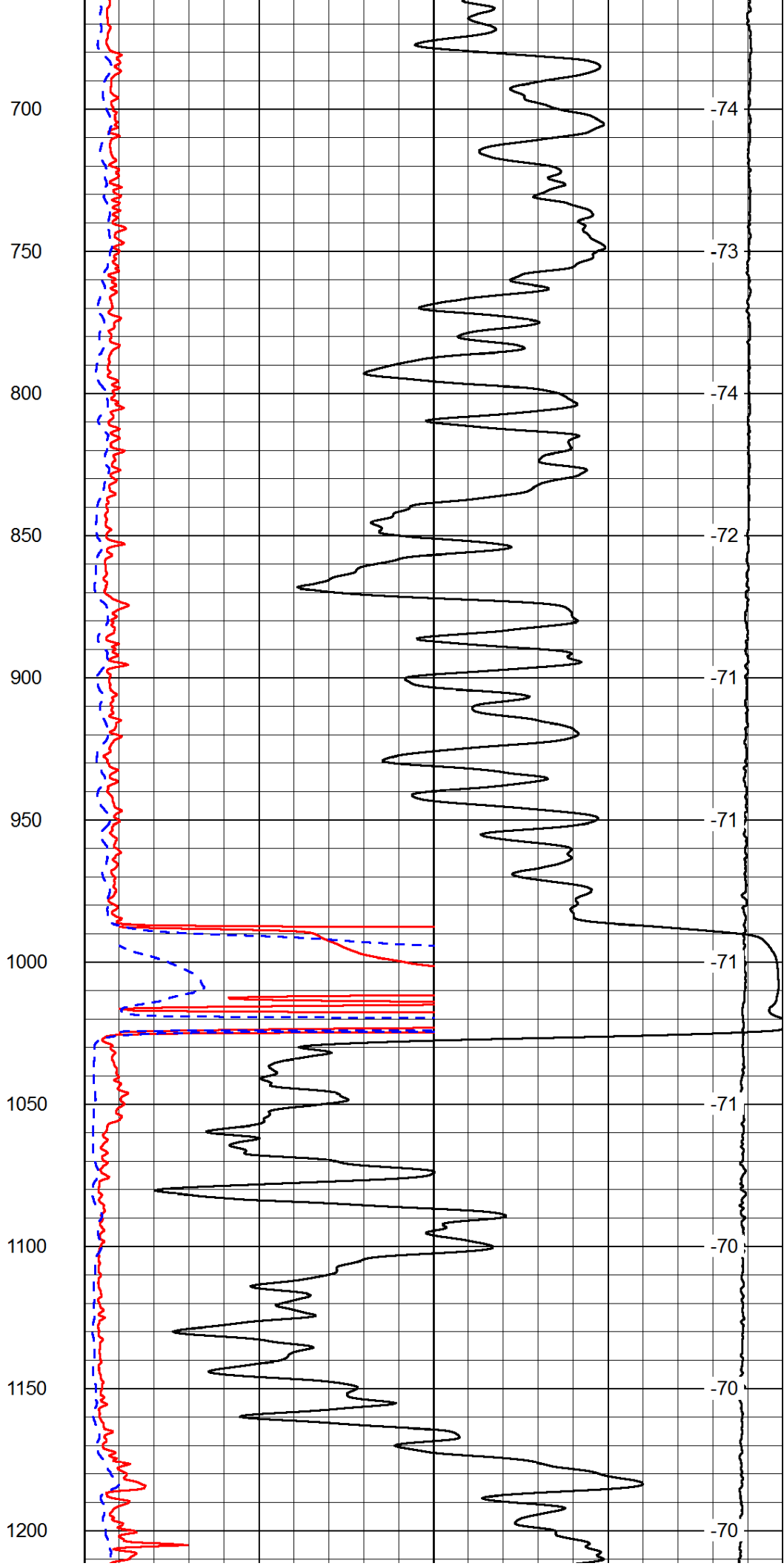
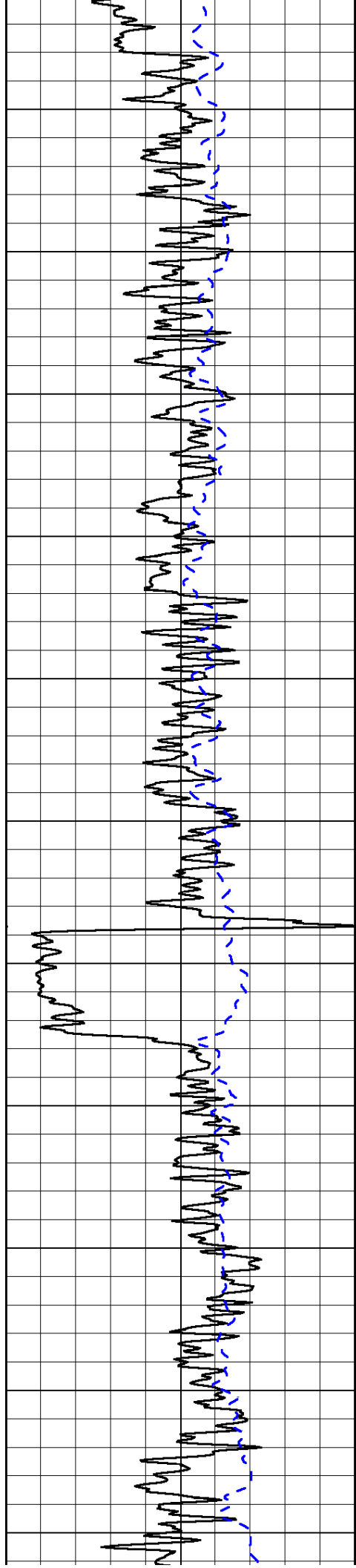
0	Gamma Ray	150
-200	SP (mV)	0

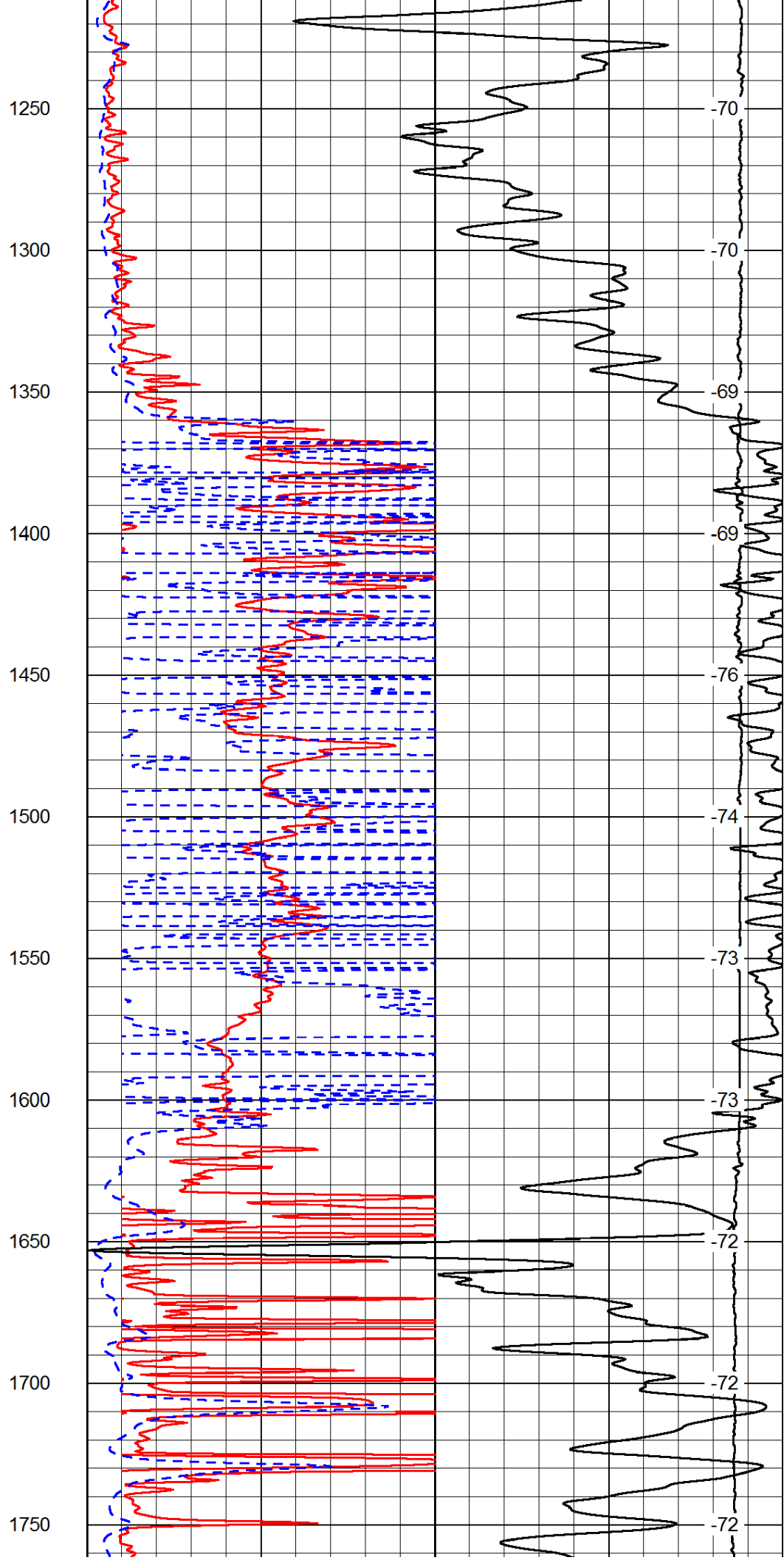
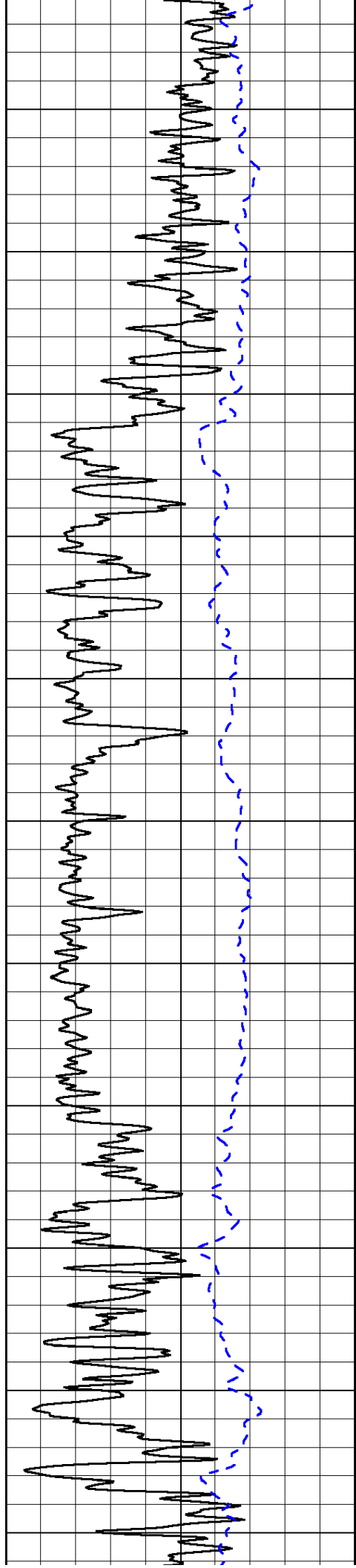


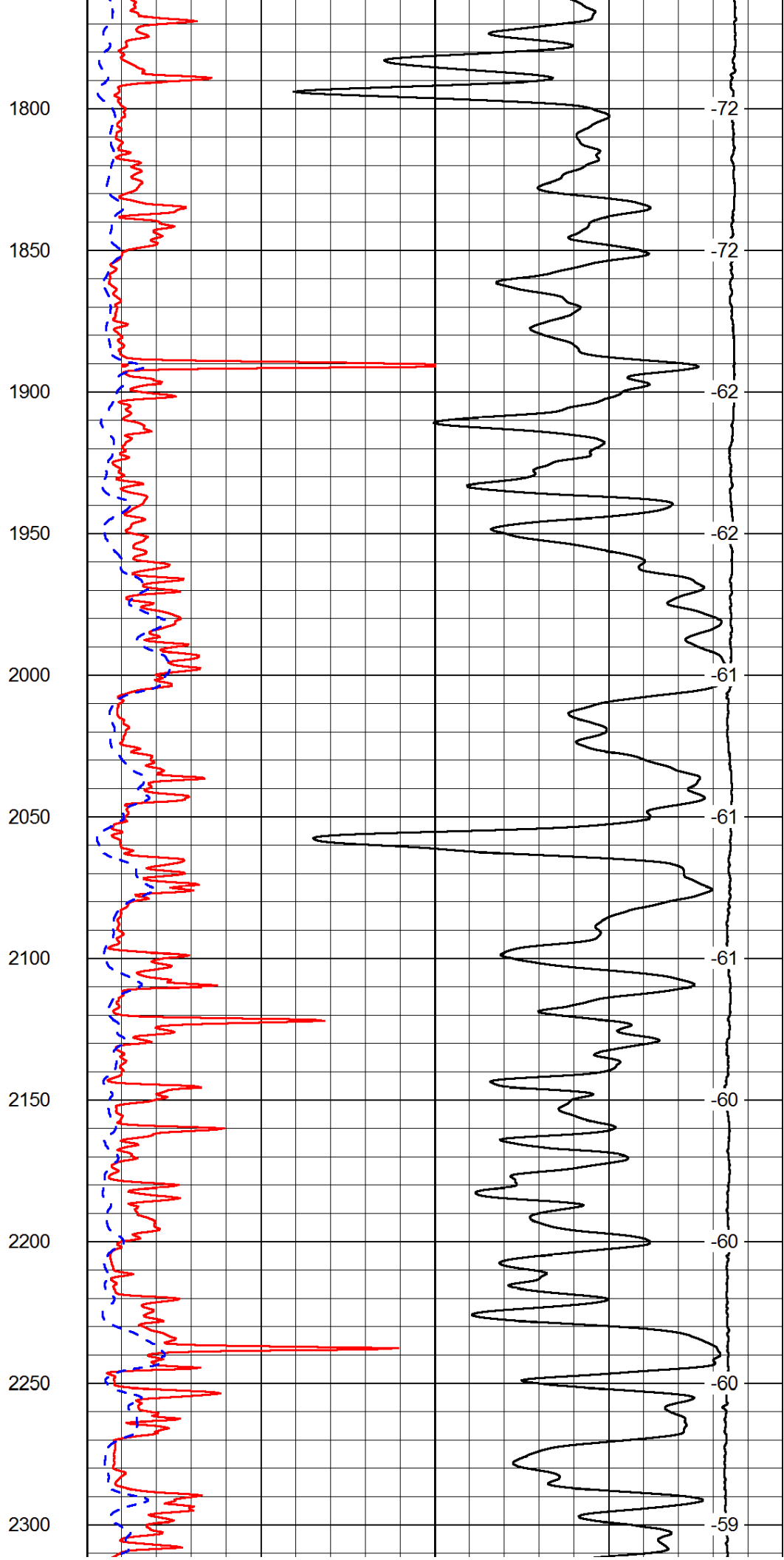
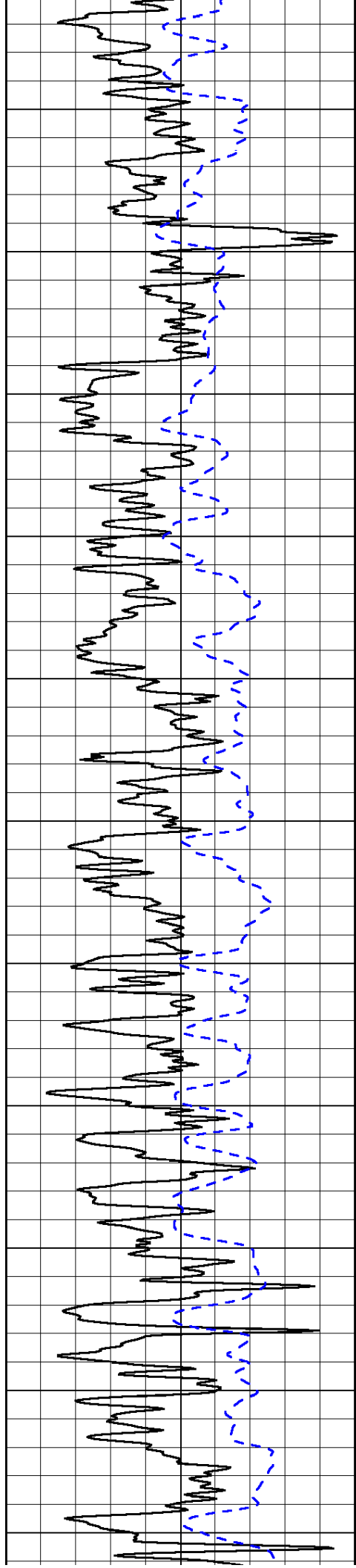
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

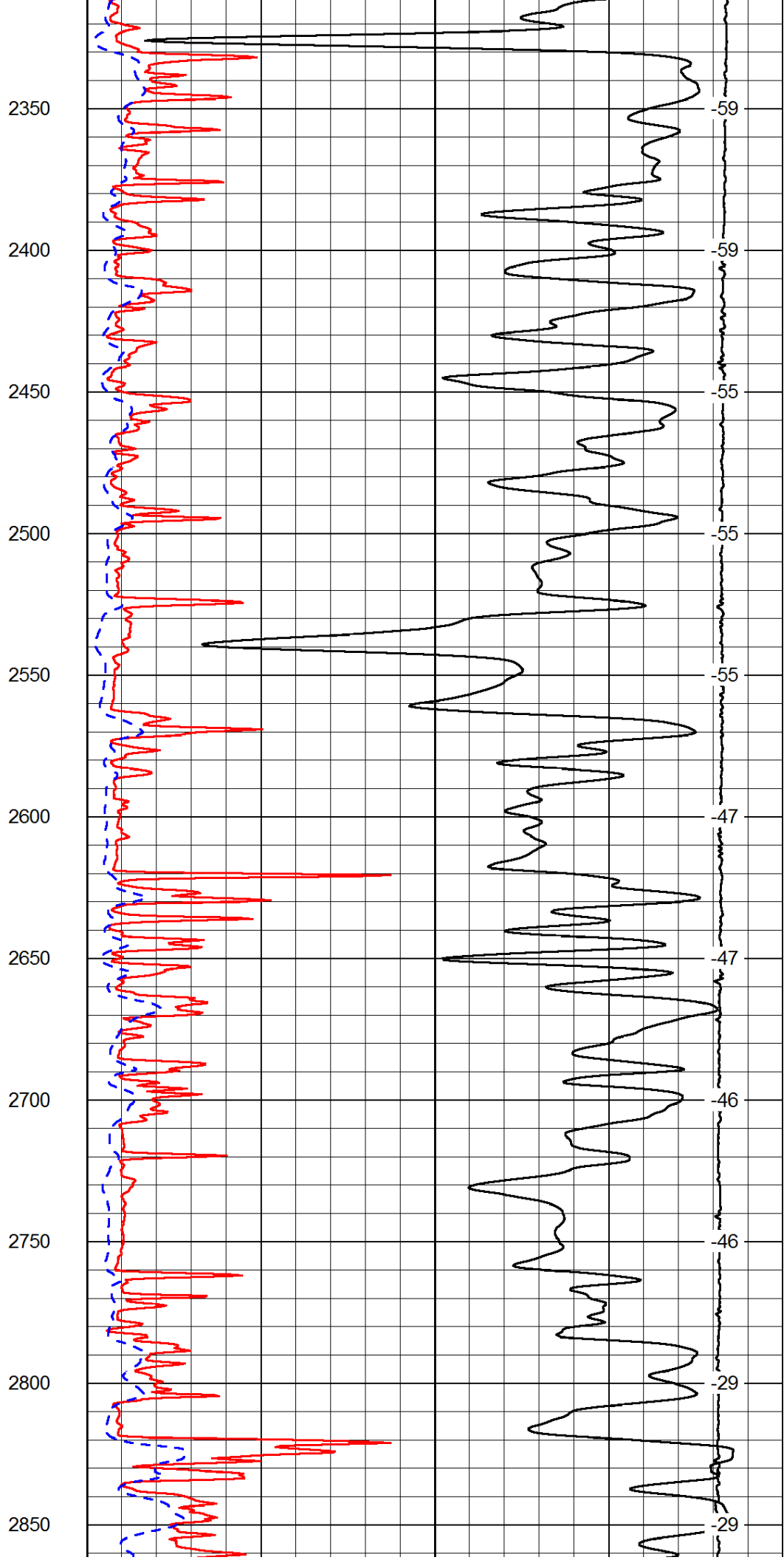
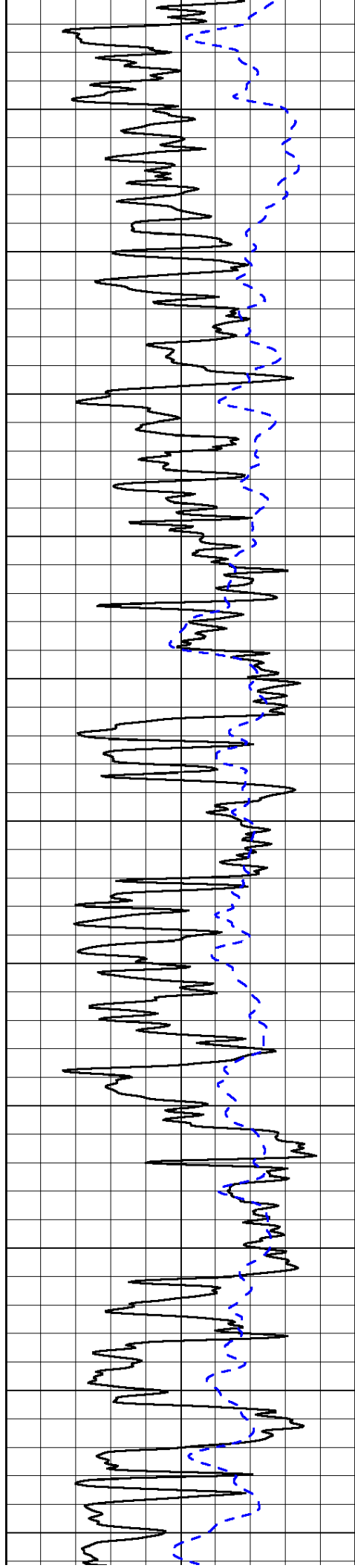
LSPD
0
0

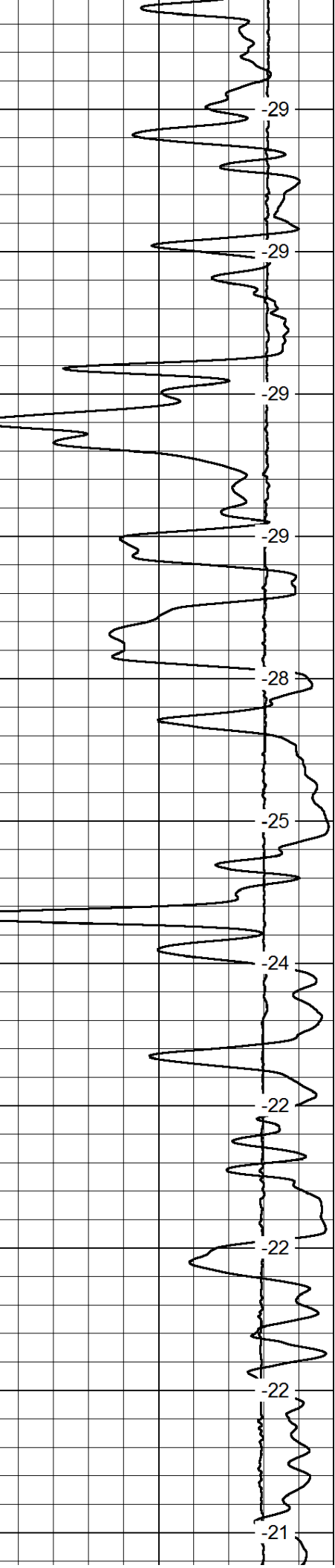
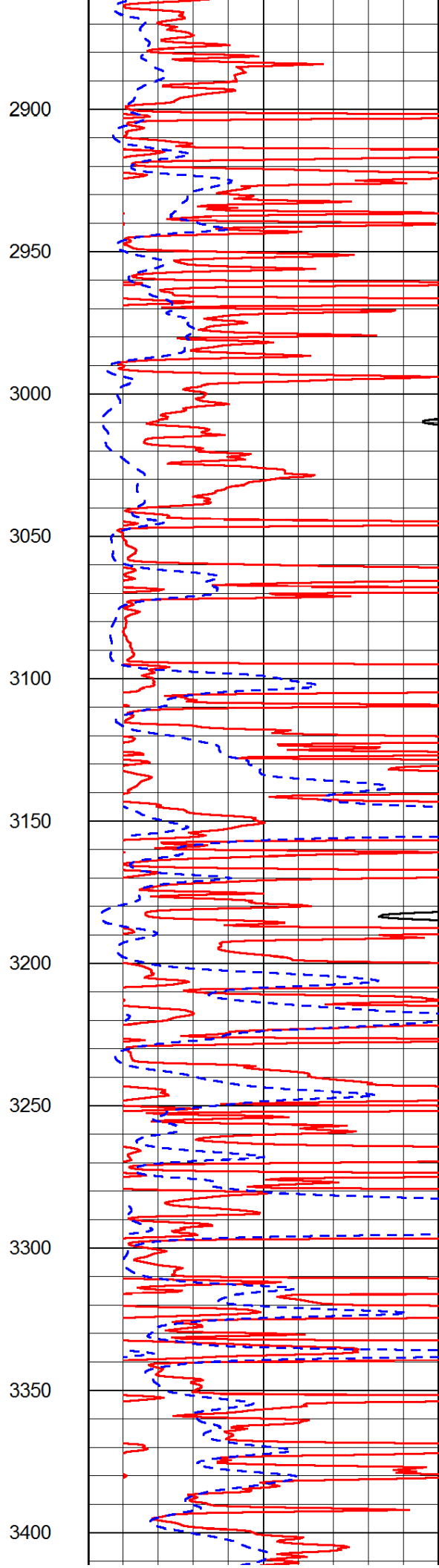
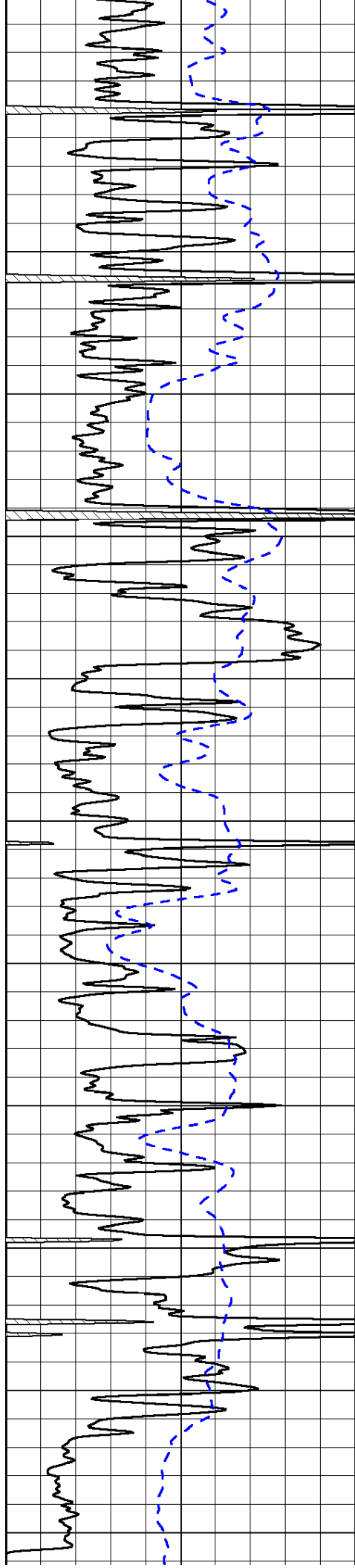


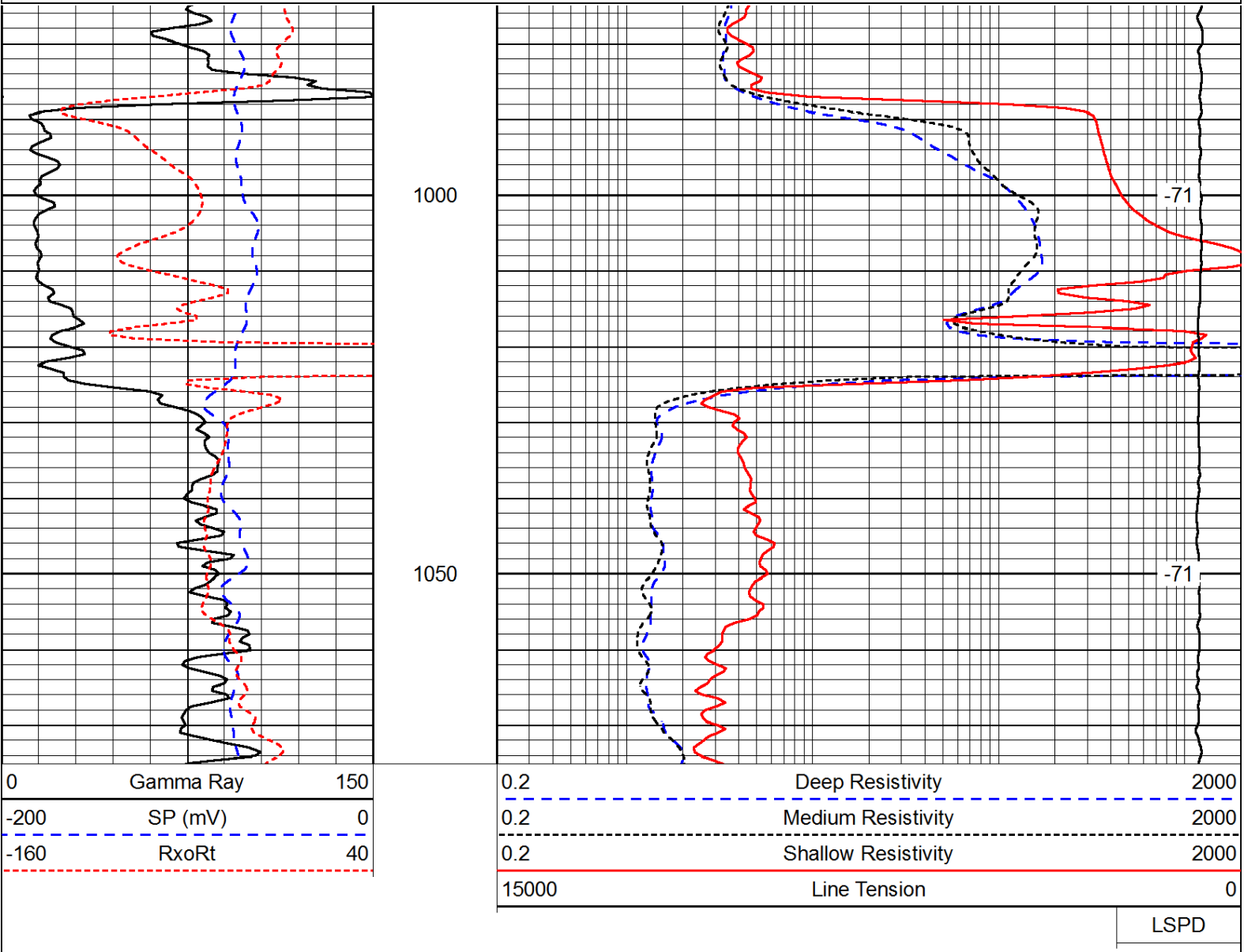
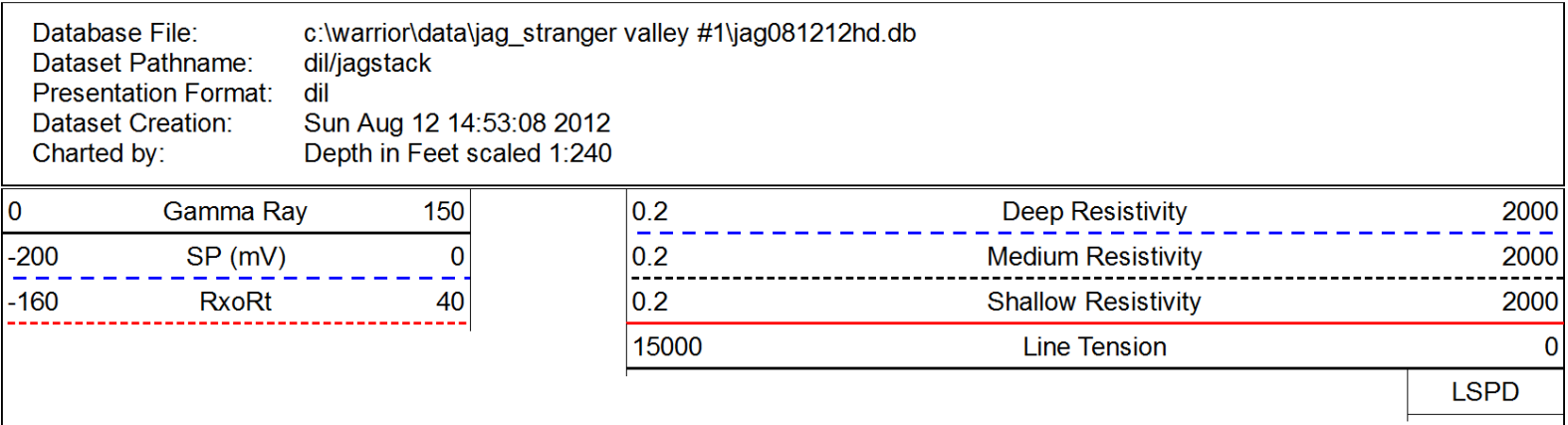
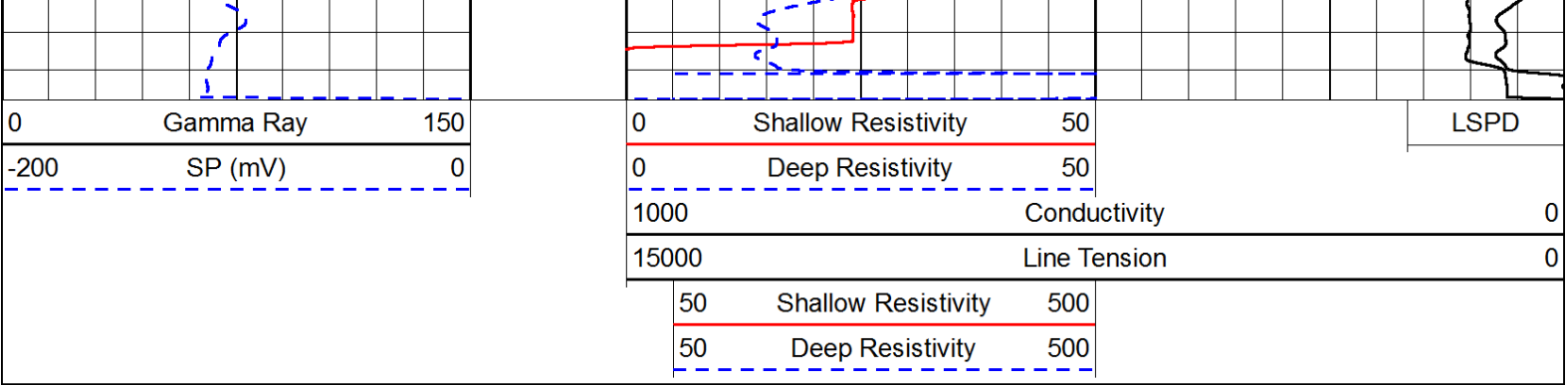










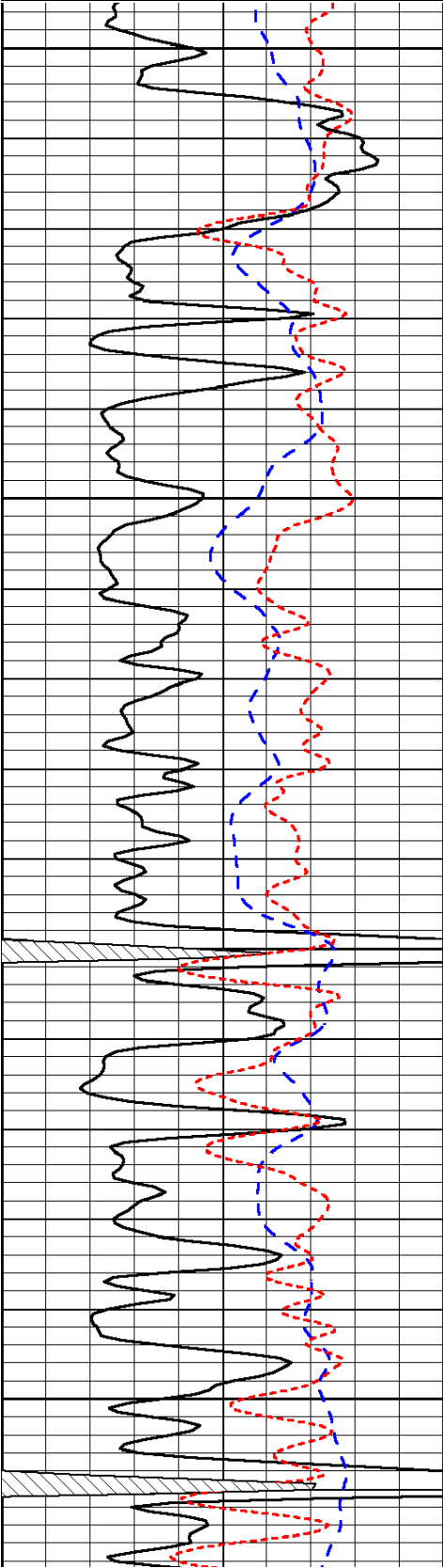


Database File: c:\warrior\data\jag_stranger valley #1\jag081212hd.db
Dataset Pathname: dil\jagstack
Presentation Format: dil
Dataset Creation: Sun Aug 12 14:53:08 2012
Charted by: Depth in Feet scaled 1:240

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

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD

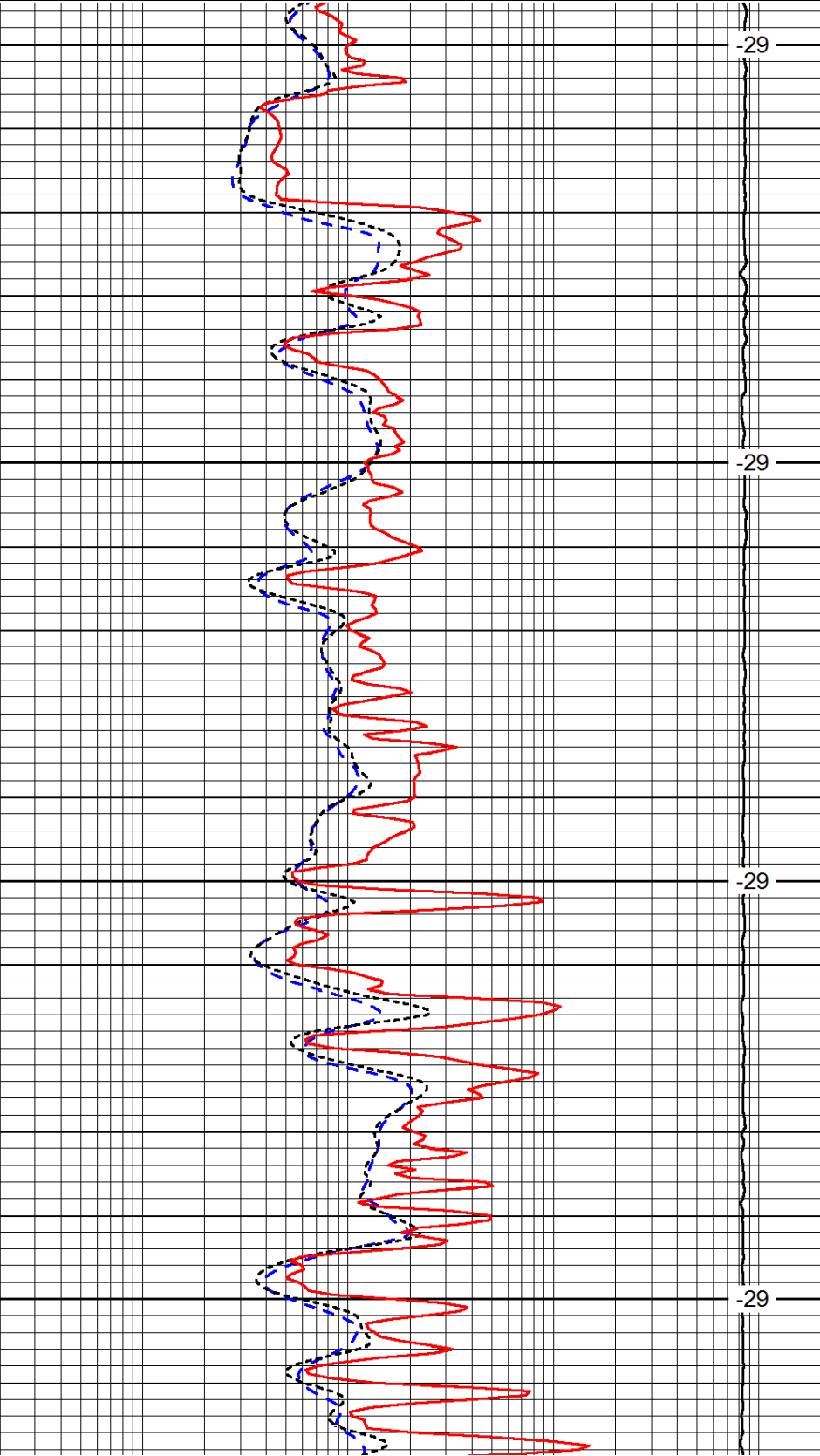


2800

2850

2900

2950

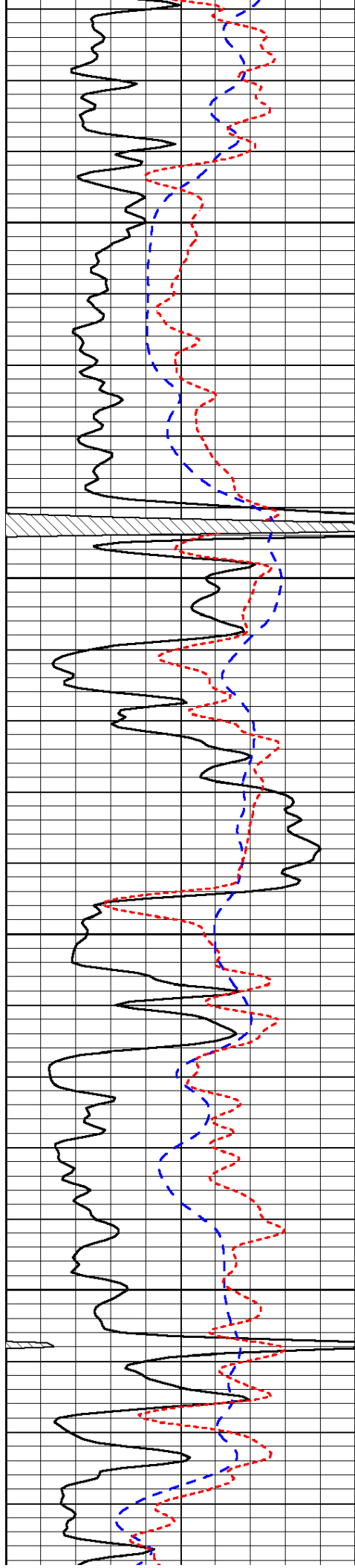


-29

-29

-29

-29

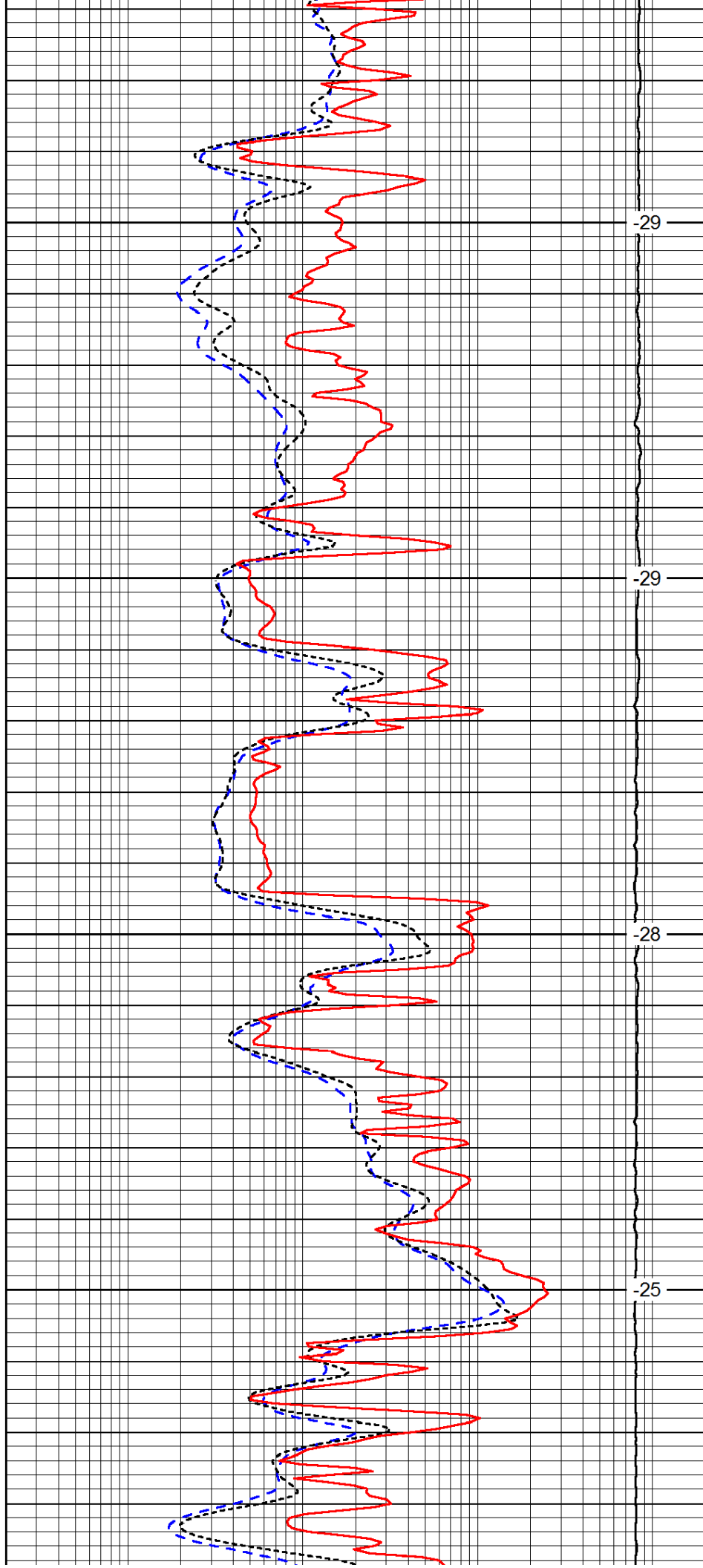


3000

3050

3100

3150

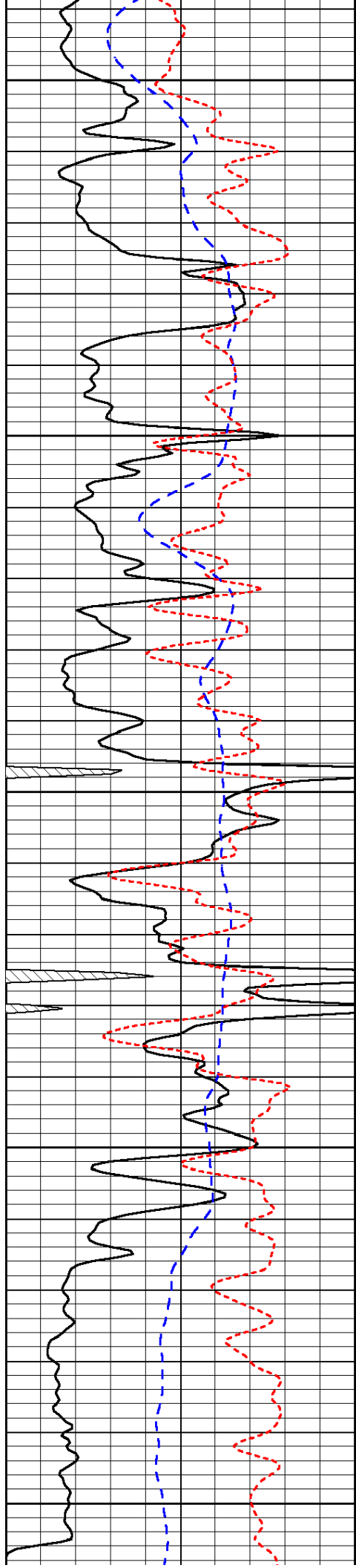


-29

-29

-28

-25



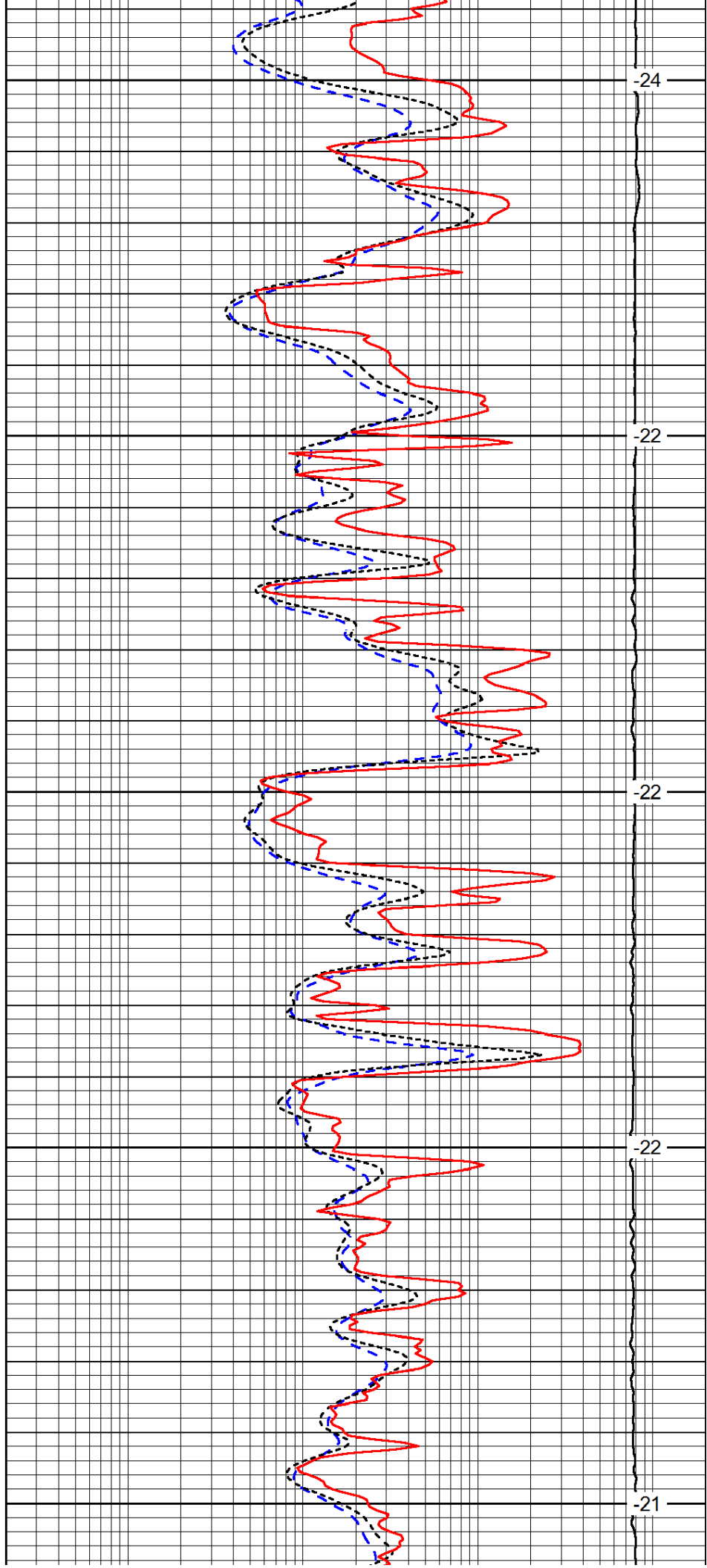
3200

3250

3300

3350

3400



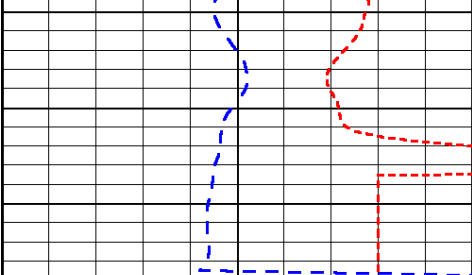
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-22

-22

-22

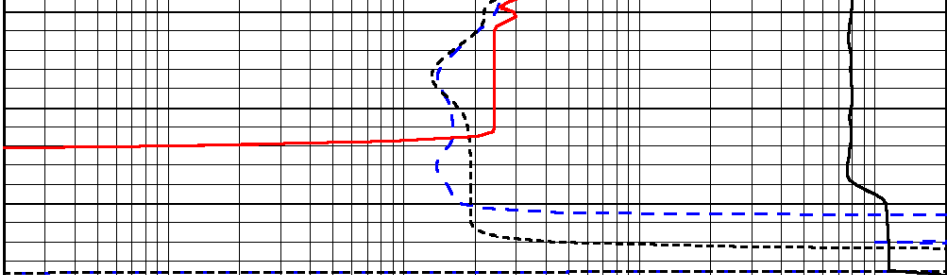
-21



0 Gamma Ray 150

-200 SP (mV) 0

-160 RxoRt 40



0.2 Deep Resistivity 2000

0.2 Medium Resistivity 2000

0.2 Shallow Resistivity 2000

15000 Line Tension 0

LSPD