



Dual Induction Log

Pioneer Energy Services

API No.

15-159-22,690-00-01

Company Quest Energy, LLC

Well Sieker #31-1

Field Chase- Silica

County Rice State

Kansas

Location

NW-NW-SE-SE
1255' FSL & 1025' FEL

Other Services
CNL/CDL
MEL

Sec: 31

Twp: 19S

Rge: 10W

Elevation

K.B. 1796
D.F. 1796
G.L. 1790

Permanent Datum
Log Measured From Kelly Bushing

Ground Level
Elevation 1790
6 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date 2/7/2013

Run Number One

Depth Driller 3460

Depth Logger 3462

Bottom Logged Interval 3461

Top Log Interval 250

Casing Driller 8.625 @ 289

Casing Logger 288

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 7.000

Density / Viscosity 8.6 53

pH / Fluid Loss 10.0 9.6

Source of Sample Flowline

Rm @ Meas. Temp .40 @ 60

Rmf @ Meas. Temp .30 @ 60

Rmc @ Meas. Temp .54 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT .22 @ 111

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 111

Equipment Number 15

Location Hays

Recorded By J. Hennickson

Witnessed By Tracy Hynes

Comments

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

Ellinwood KS
5 East, 1/4 North, West Into

Database File: c:\warrior\data\quest energy_sieker #31-1\quest_sieker_31_1hd.db
Dataset Pathname: DIL\qtstk
Presentation Format: dil2in
Dataset Creation: Thu Feb 07 14:31:28 2013
Charted by: Depth in Feet scaled 1:600

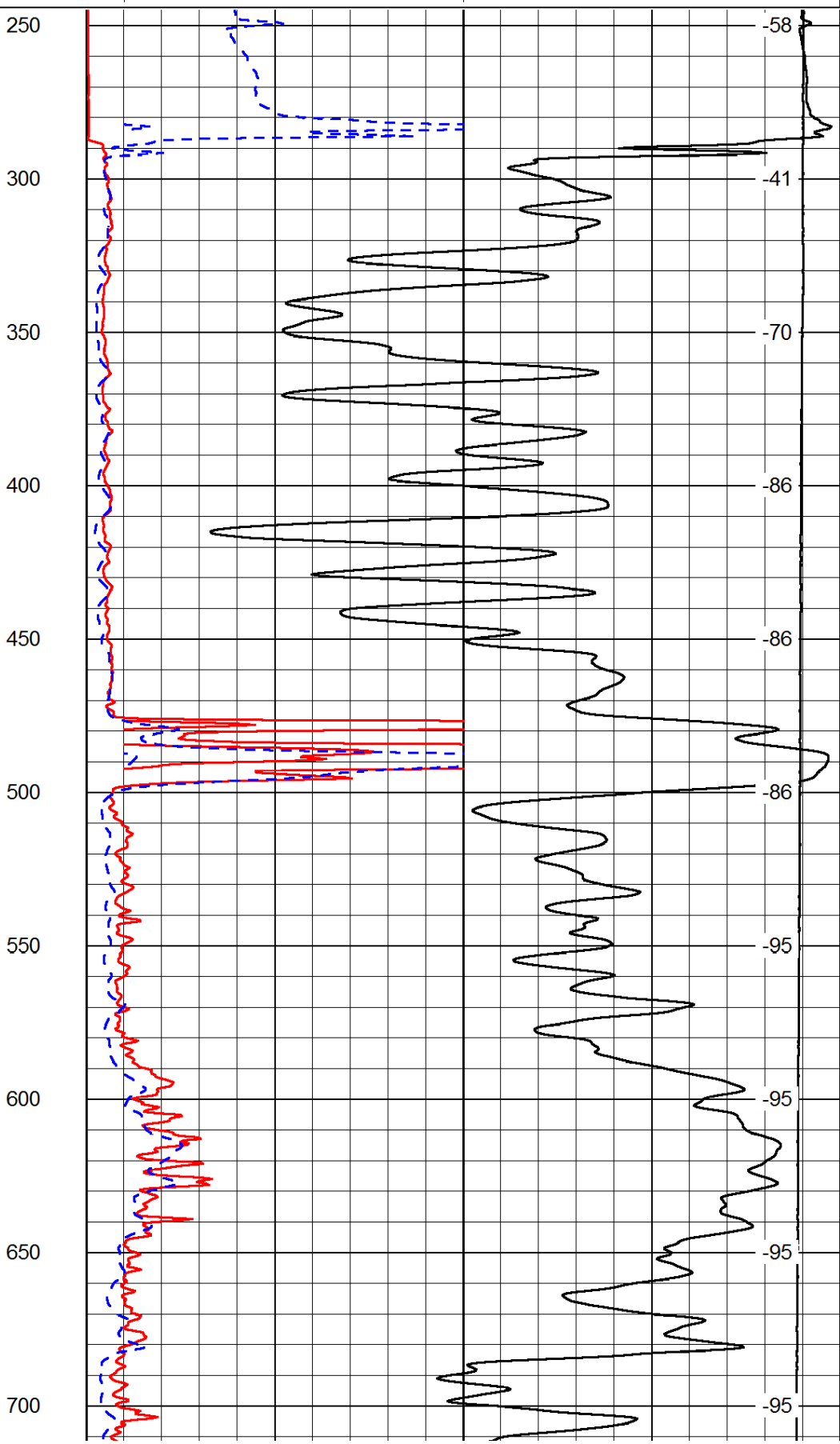
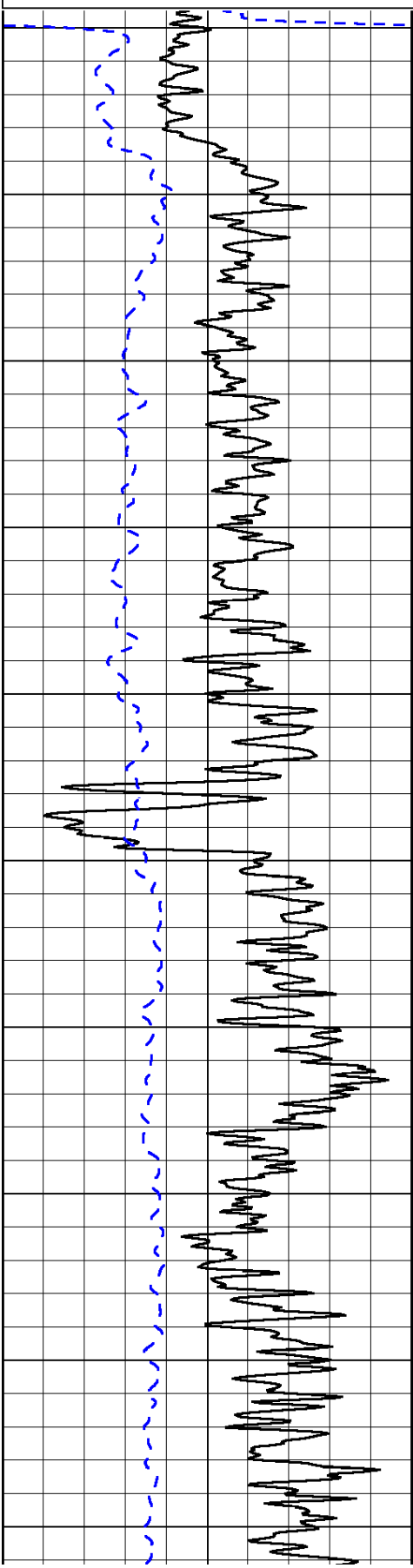
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-200	SP (mV)	0

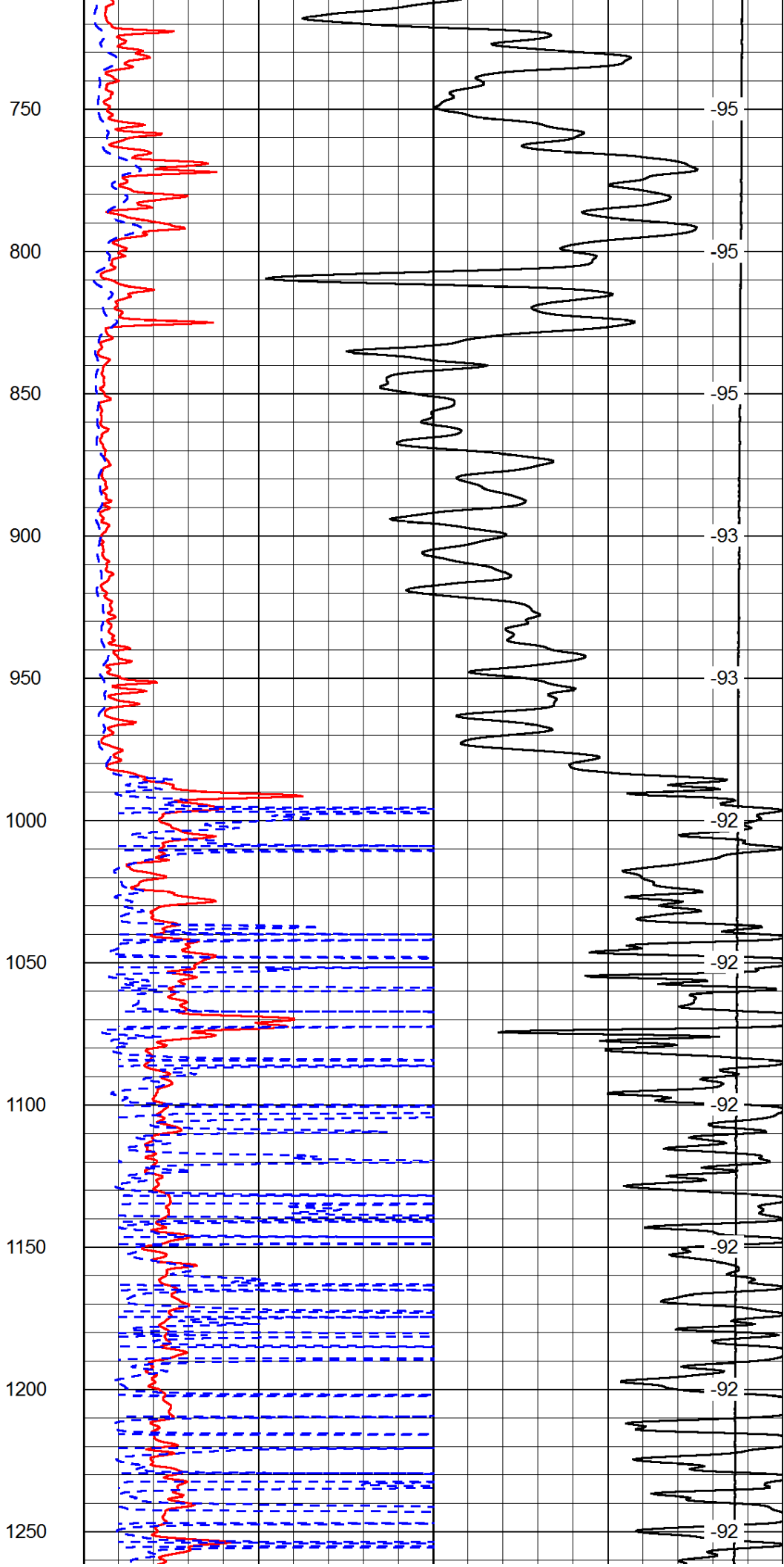
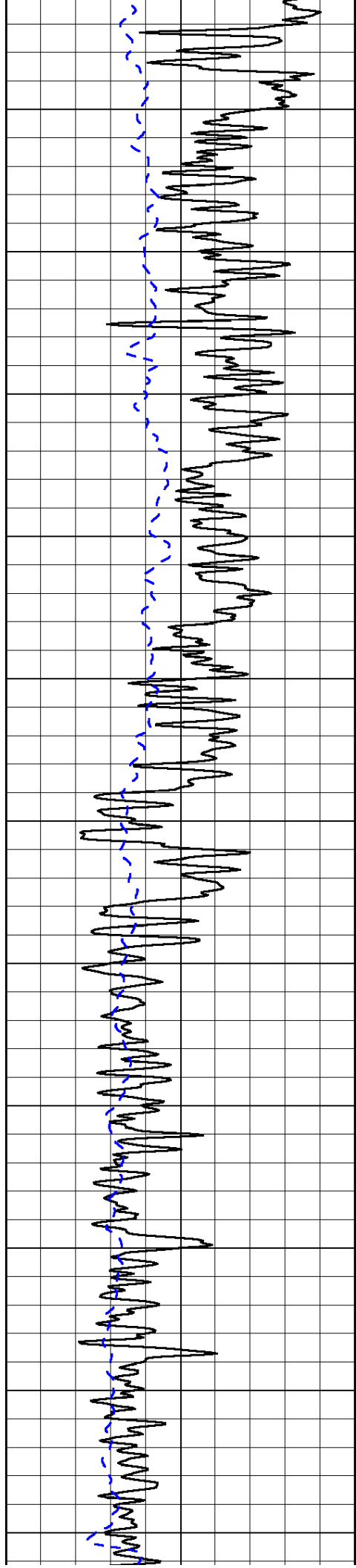
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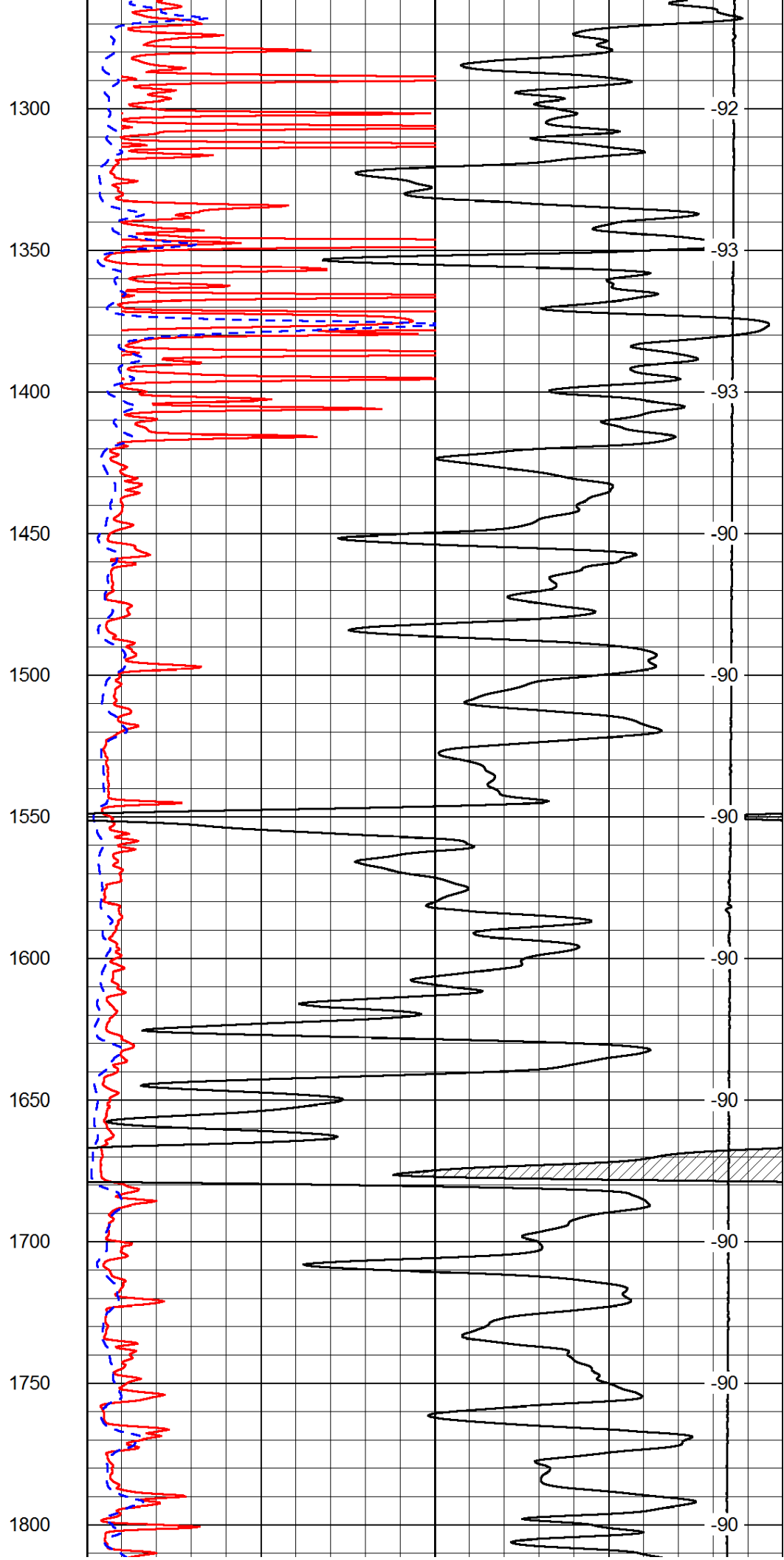
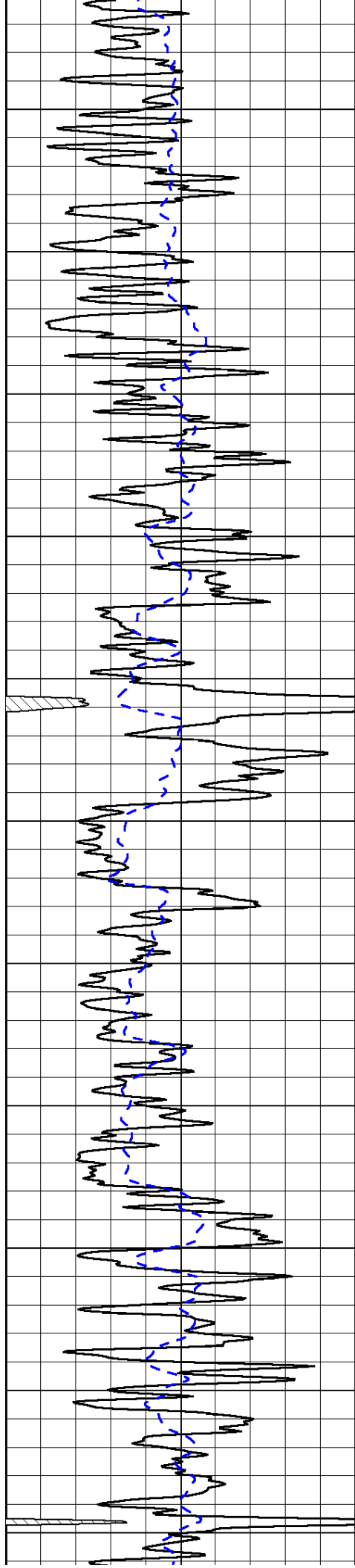
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

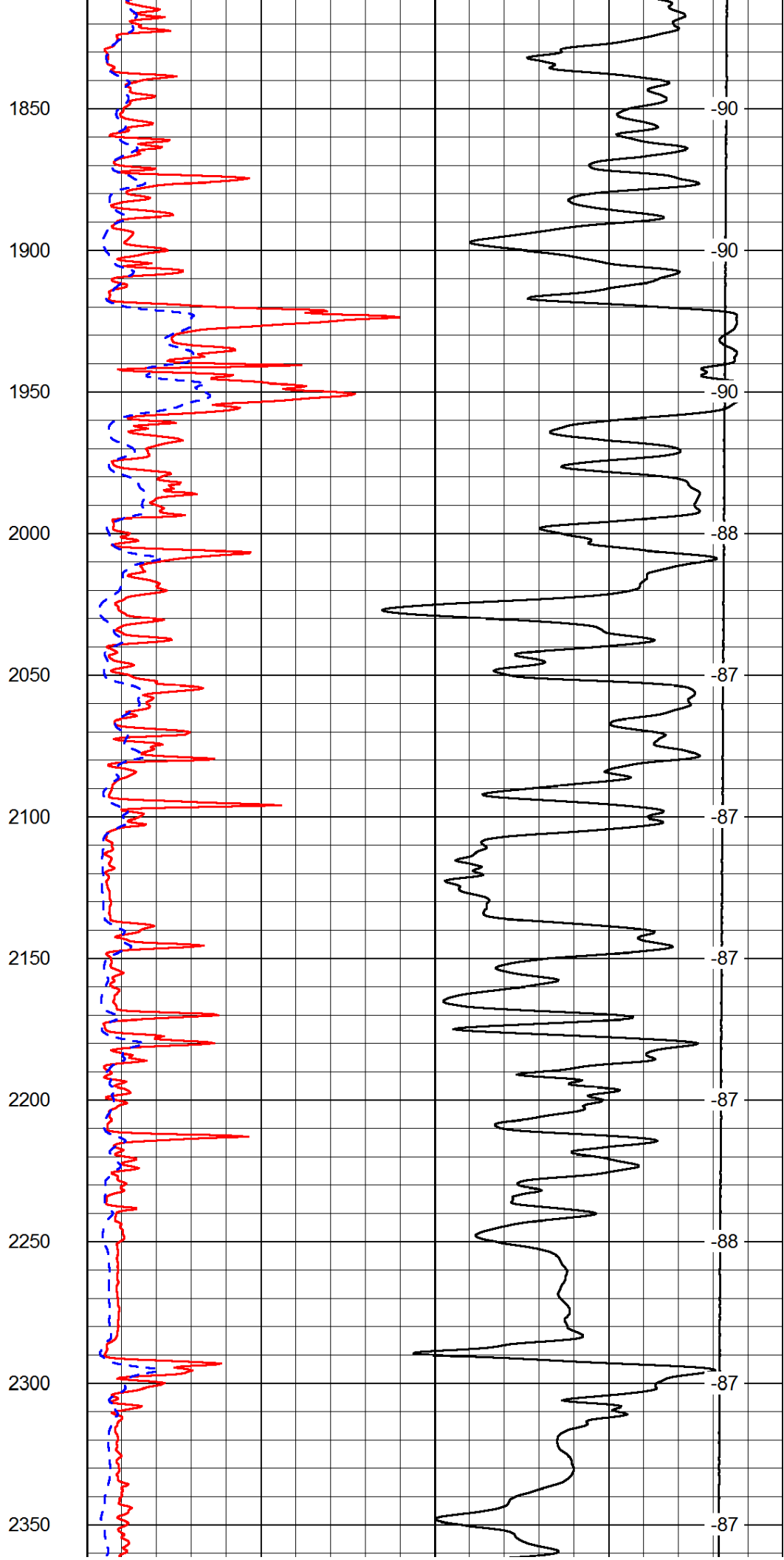
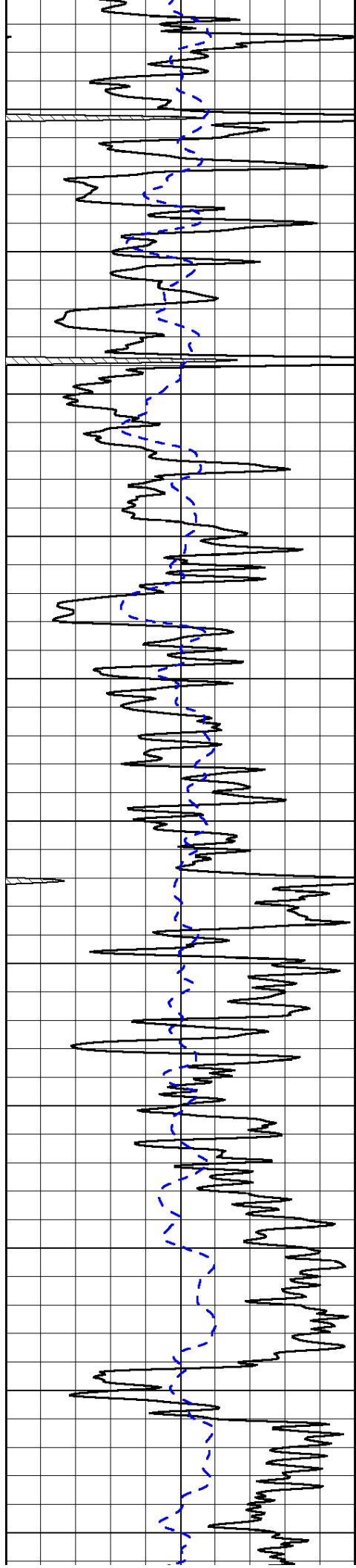
LSPD
0

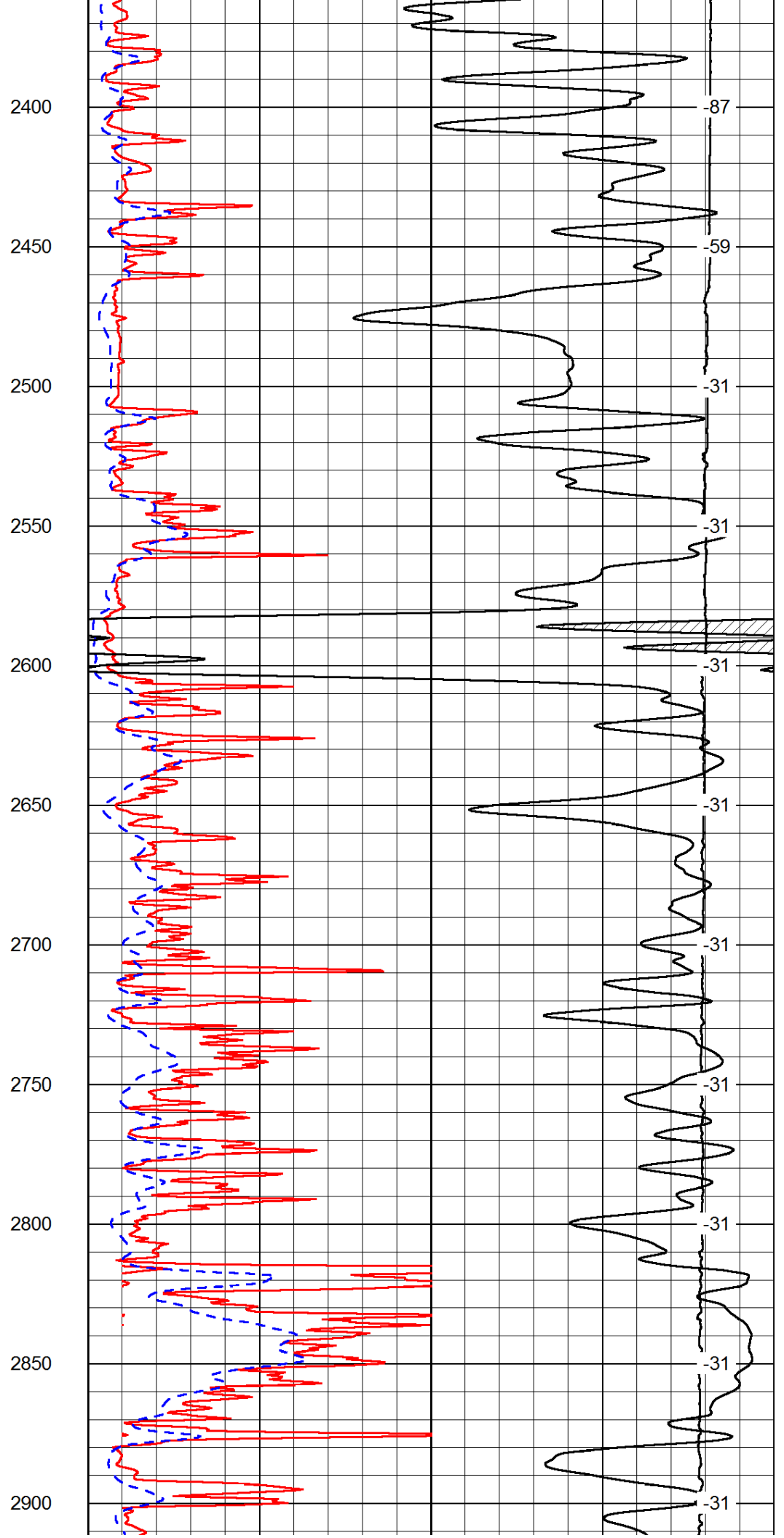
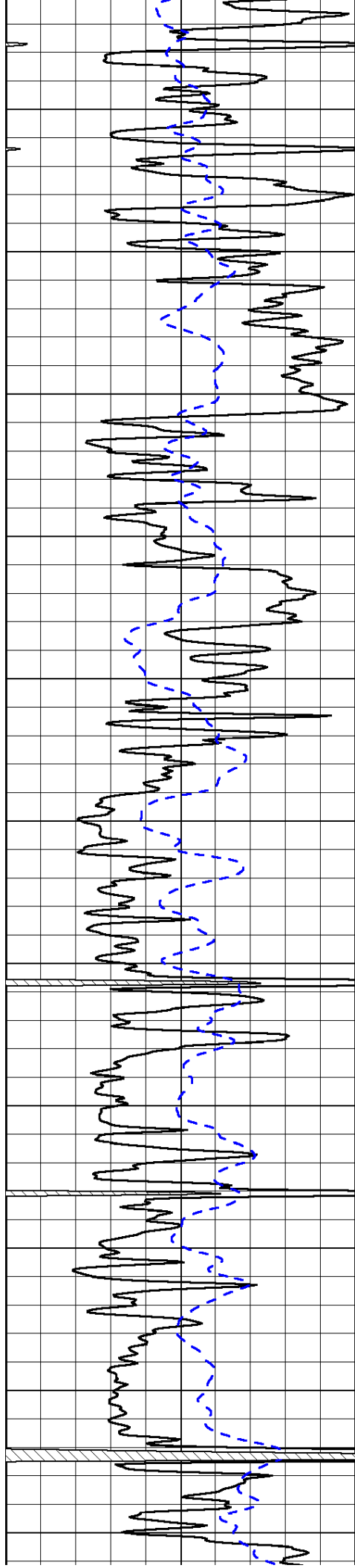
50	Shallow Resistivity	500
50	Deep Resistivity	500

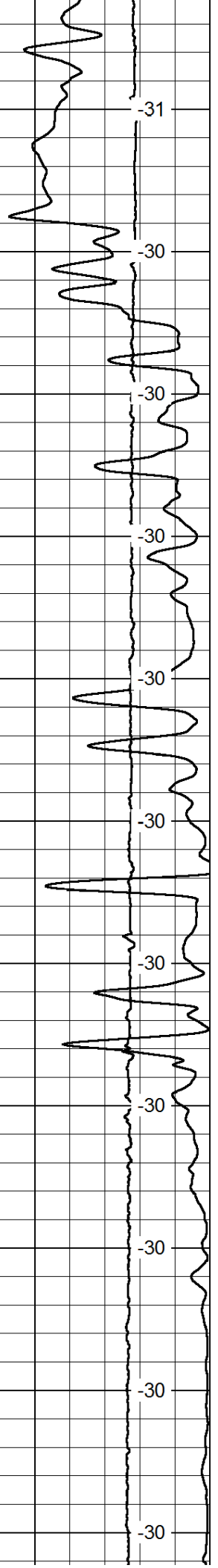
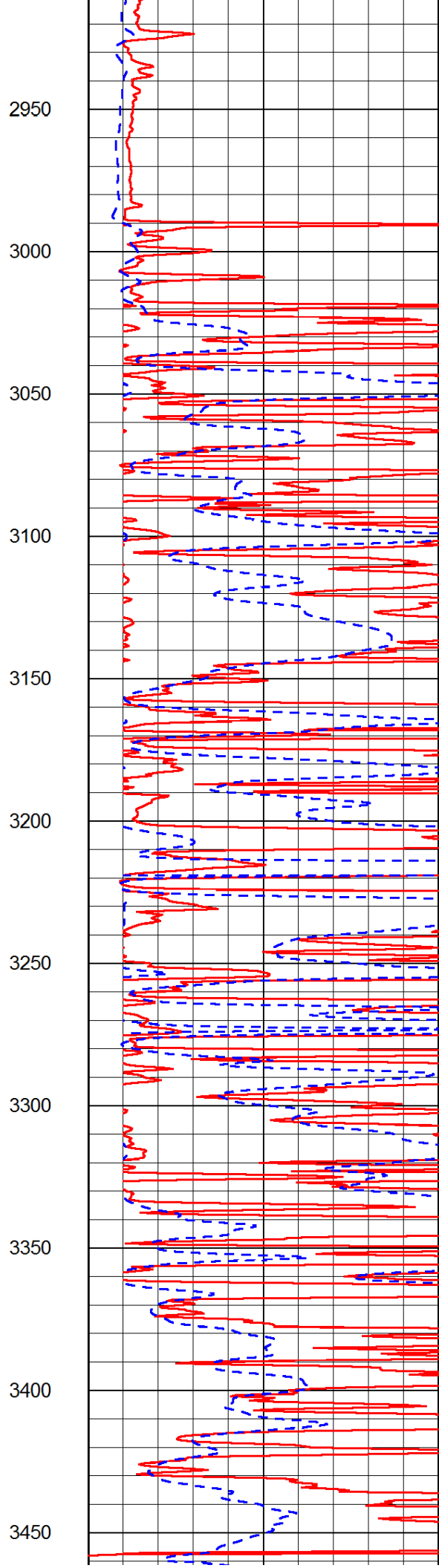
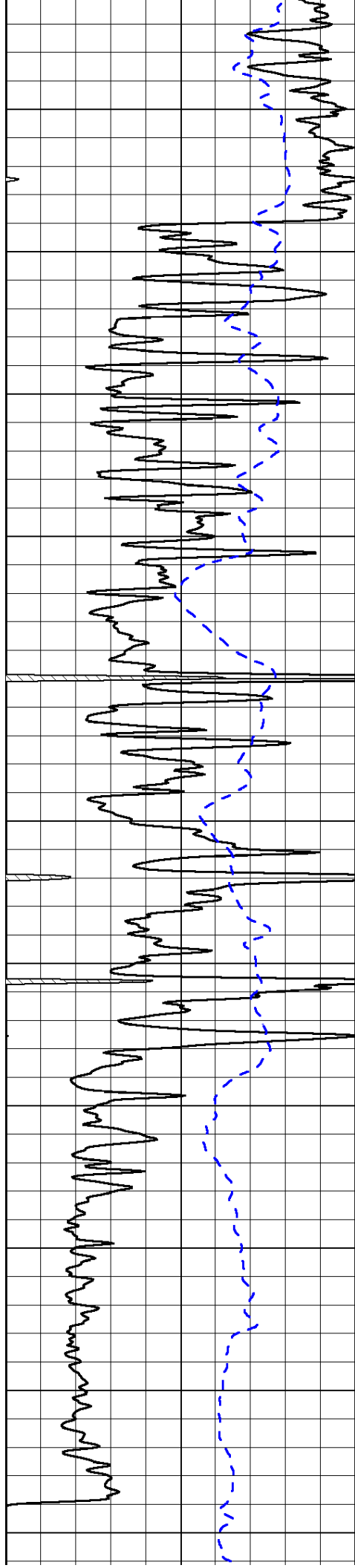








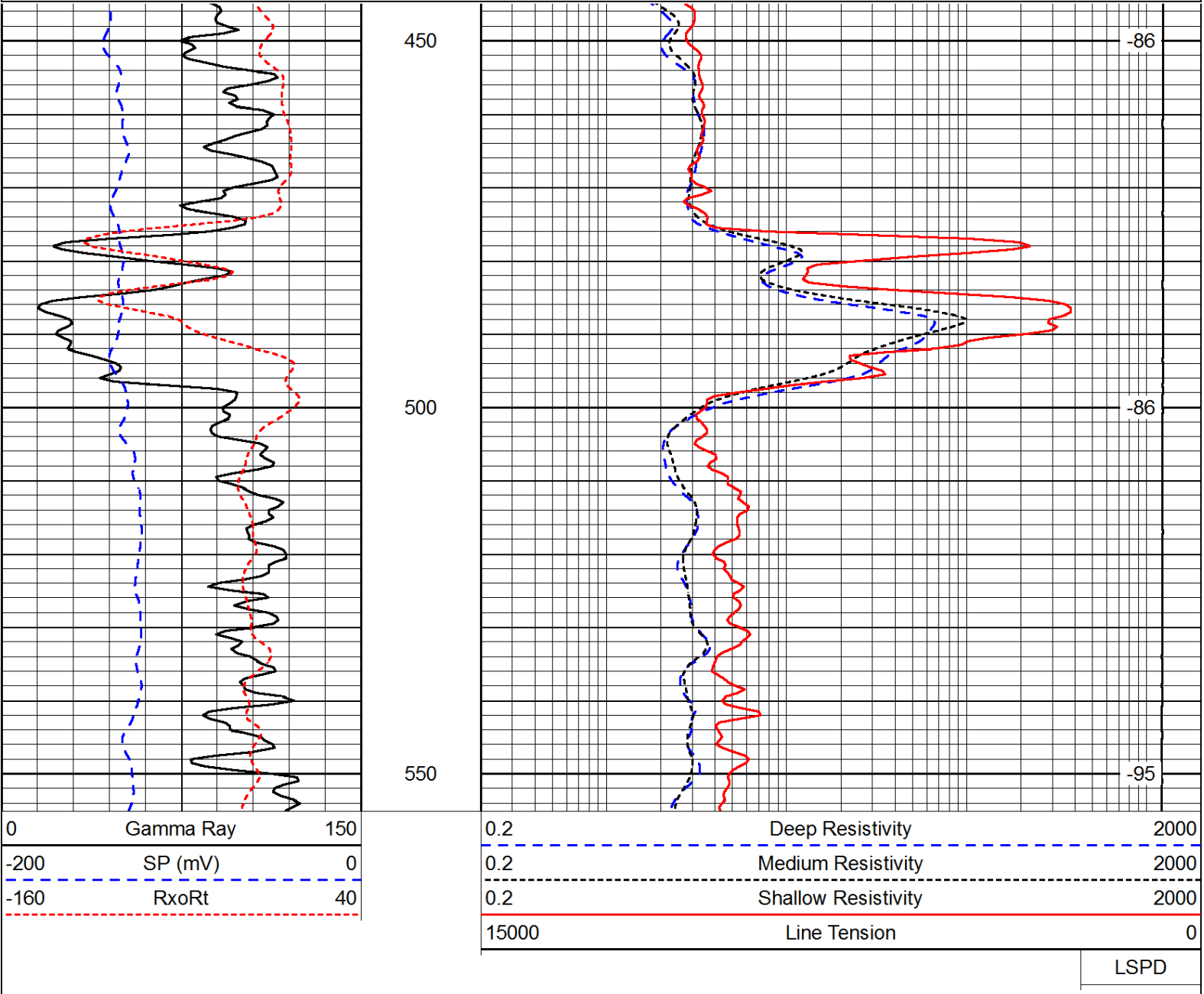




0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD
-200	SP (mV)	0	0	Deep Resistivity	50	
			1000	Conductivity		0
			15000	Line Tension		0
			50	Shallow Resistivity	500	
			50	Deep Resistivity	500	

Database File:	c:\warrior\data\quest energy_sieker #31-1\quest_sieker_31_1hd.db
Dataset Pathname:	DIL/qtstk
Presentation Format:	dil
Dataset Creation:	Thu Feb 07 14:31:28 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Deep Resistivity	2000	LSPD
-200	SP (mV)	0	0.2	Medium Resistivity	2000	
-160	RxoRt	40	0.2	Shallow Resistivity	2000	
			15000	Line Tension	0	

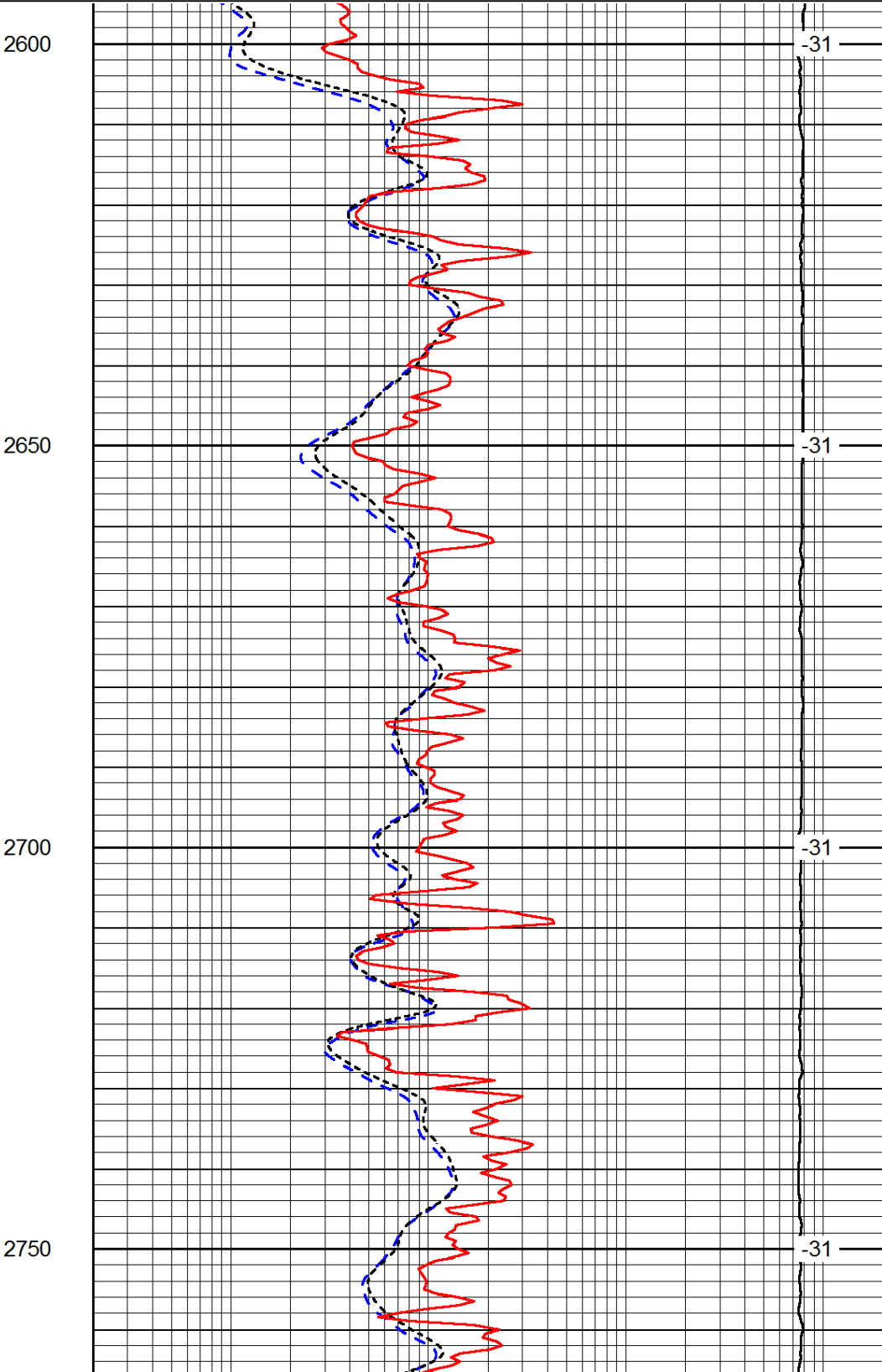
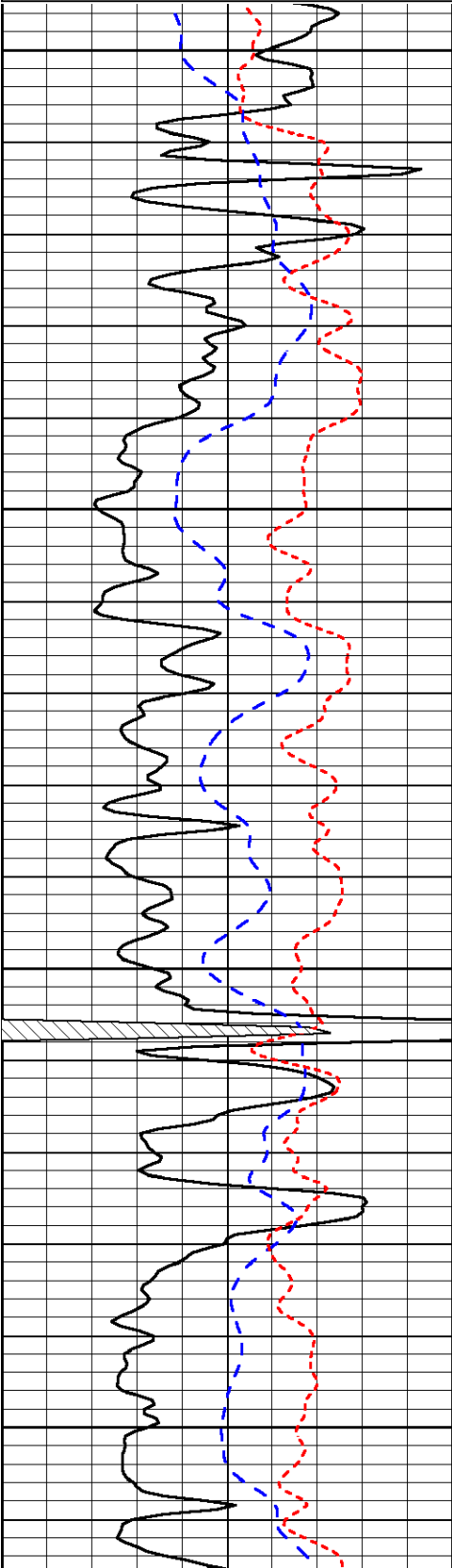


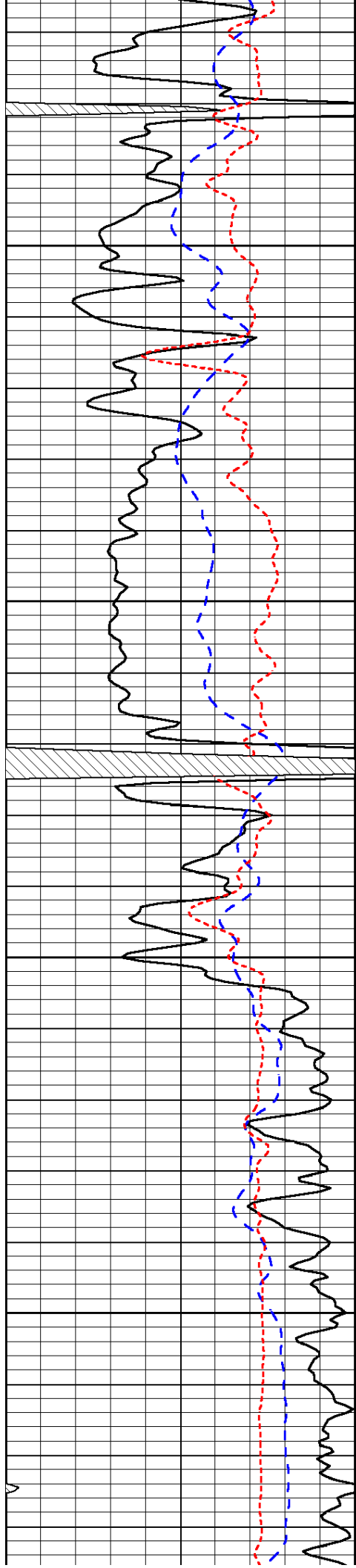
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Dataset Pathname: DIL/qtstk
Presentation Format: dil
Dataset Creation: Thu Feb 07 14:31:28 2013
Charted by: Depth in Feet scaled 1:240

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



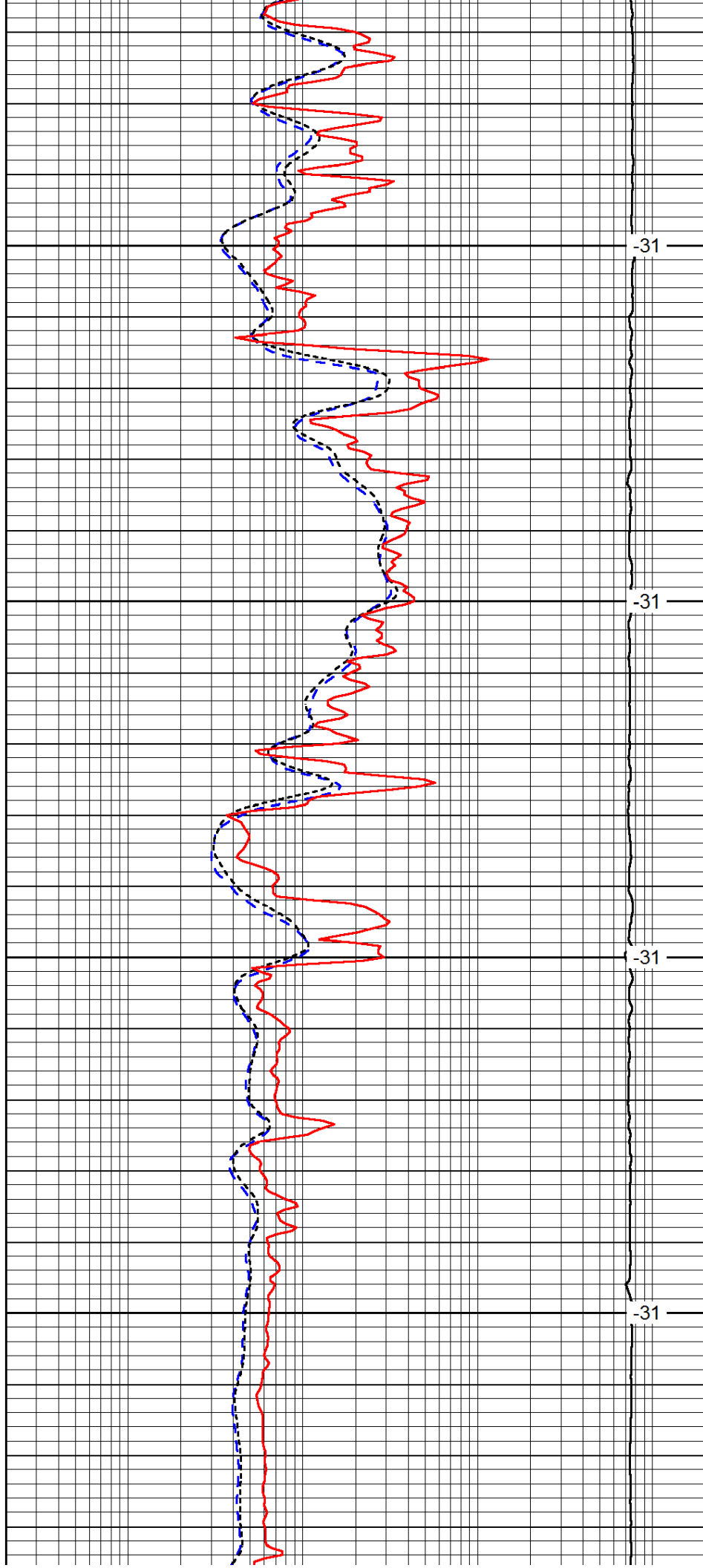


2800

2850

2900

2950

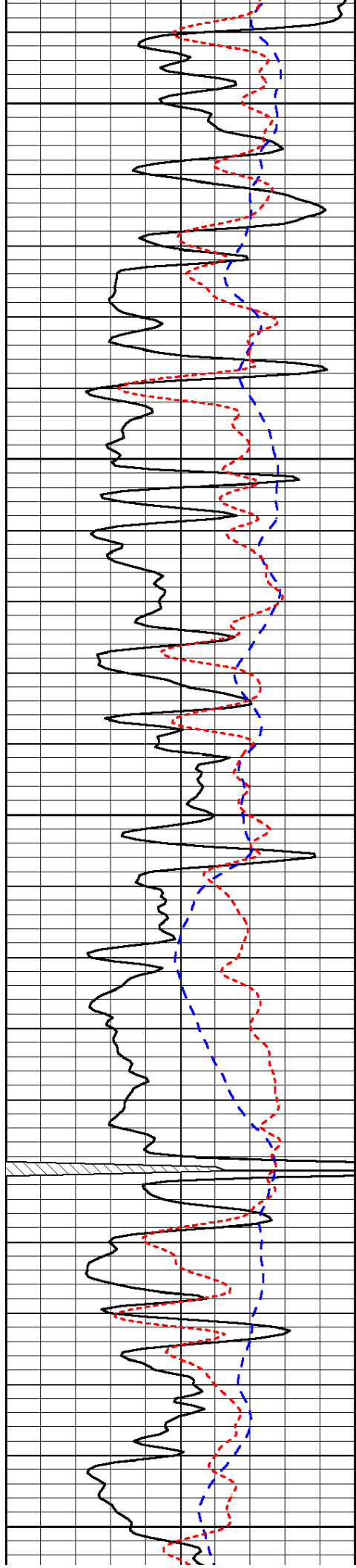


-31

-31

-31

-31



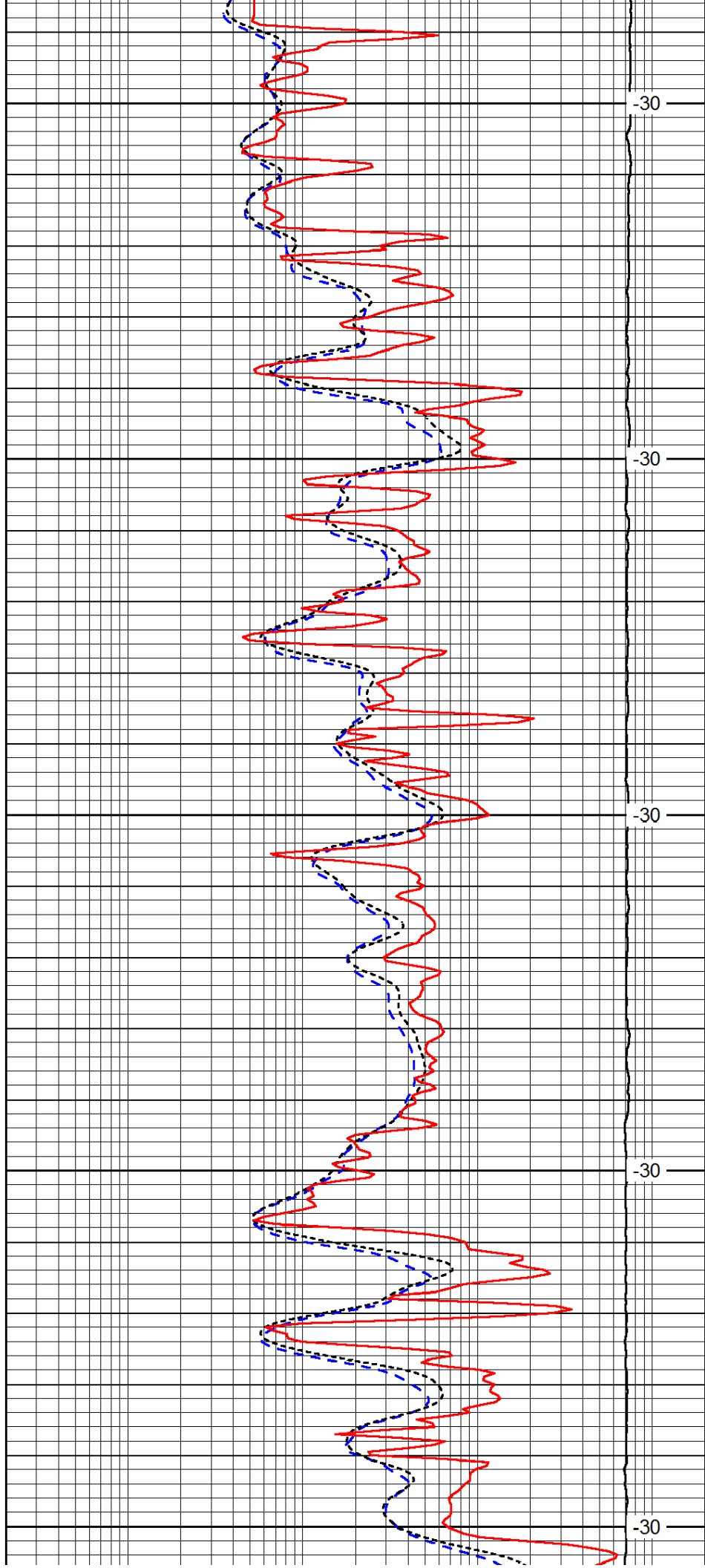
3000

3050

3100

3150

3200



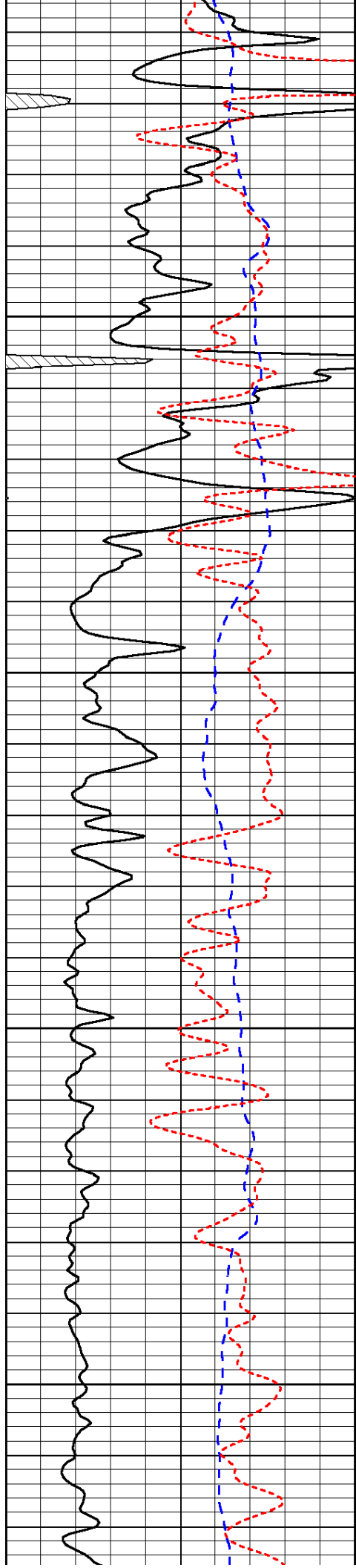
-30

-30

-30

-30

-30

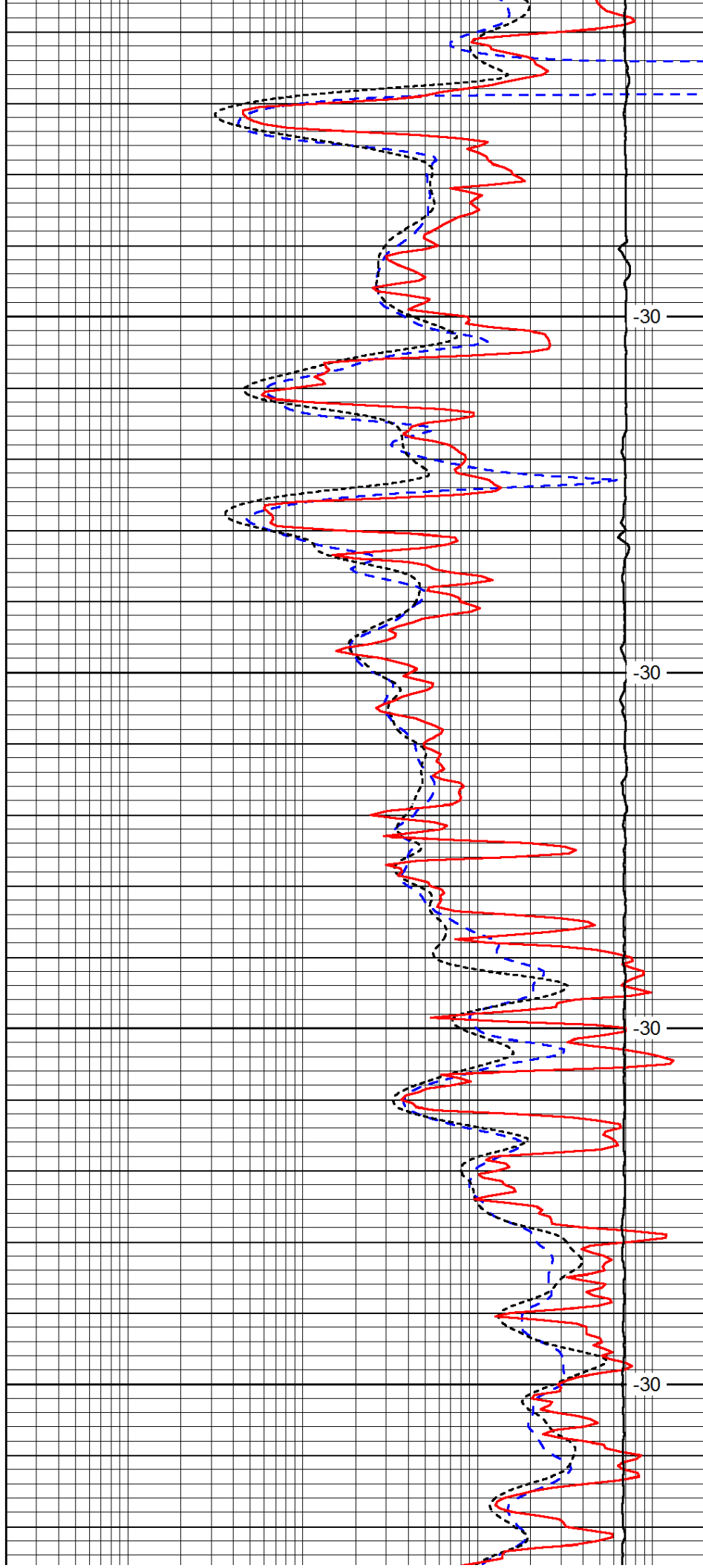


3250

3300

3350

3400

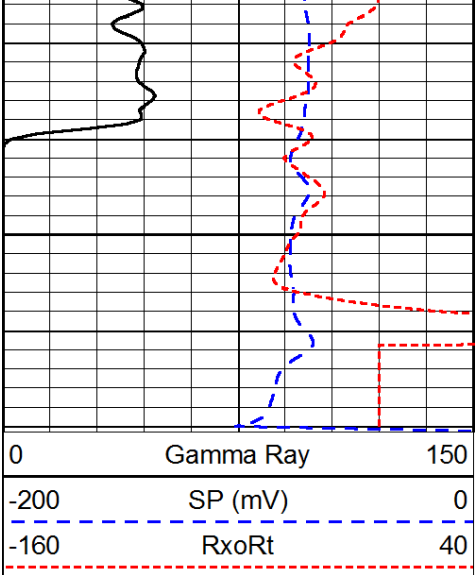


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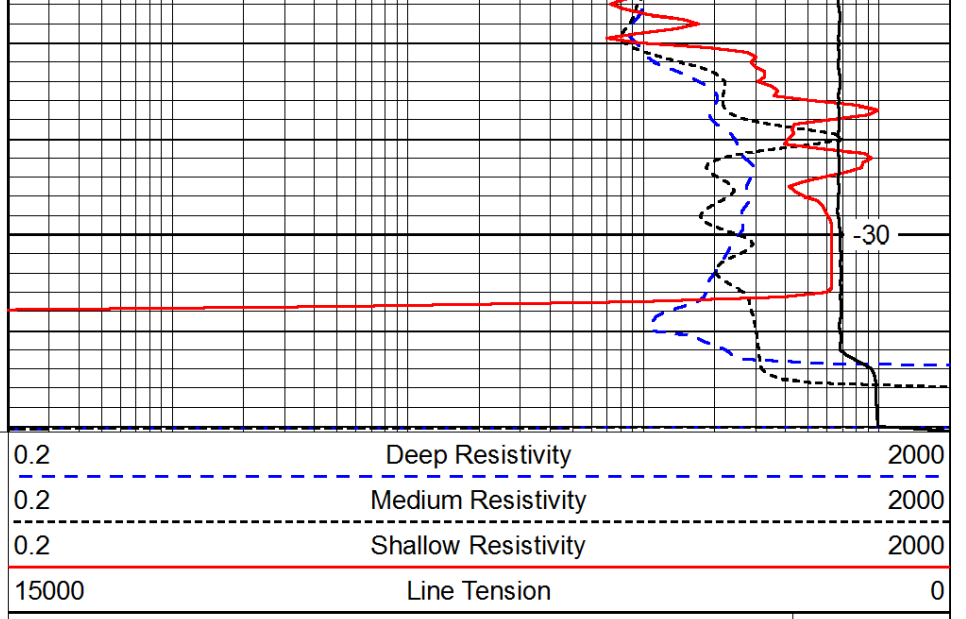
-30

-30

-30



3450



-30

LSPD