



Dual Induction Log

Pioneer Energy Services

API No.

15-135-25,517-00-00

Company Pickrell Drilling Company, Inc.

Well Dinges AC Unit #4

Field T&L

County Ness

State

Kansas

Location

1205' FSL & 490' FEL

Other Services
CNL/CDL
MEL/BHCS

Sec: 2

Twp: 18S

Rge: 26W

Elevation

Permanent Datum Ground Level

Elevation 2582

Log Measured From Kelly Bushing

7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 2589
D.F. 2587
G.L. 2582

Date

2/7/2013

Run Number

One

Depth Driller

4610

Depth Logger

4618

Bottom Logged Interval

4617

Top Log Interval

250

Casing Driller

8.625 @ 265

Casing Logger

265

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4.000

Density / Viscosity

9.4 50

pH / Fluid Loss

9.0 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

.65 @ 50

Rmf @ Meas. Temp

.49 @ 50

Rmc @ Meas. Temp

.88 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.27 @ 122

Operating Rig Time

5 Hours

Max Rec. Temp. F

122

Equipment Number

17

Location

Hays

Recorded By

C. Desaire

Witnessed By

Jerry Smith

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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.

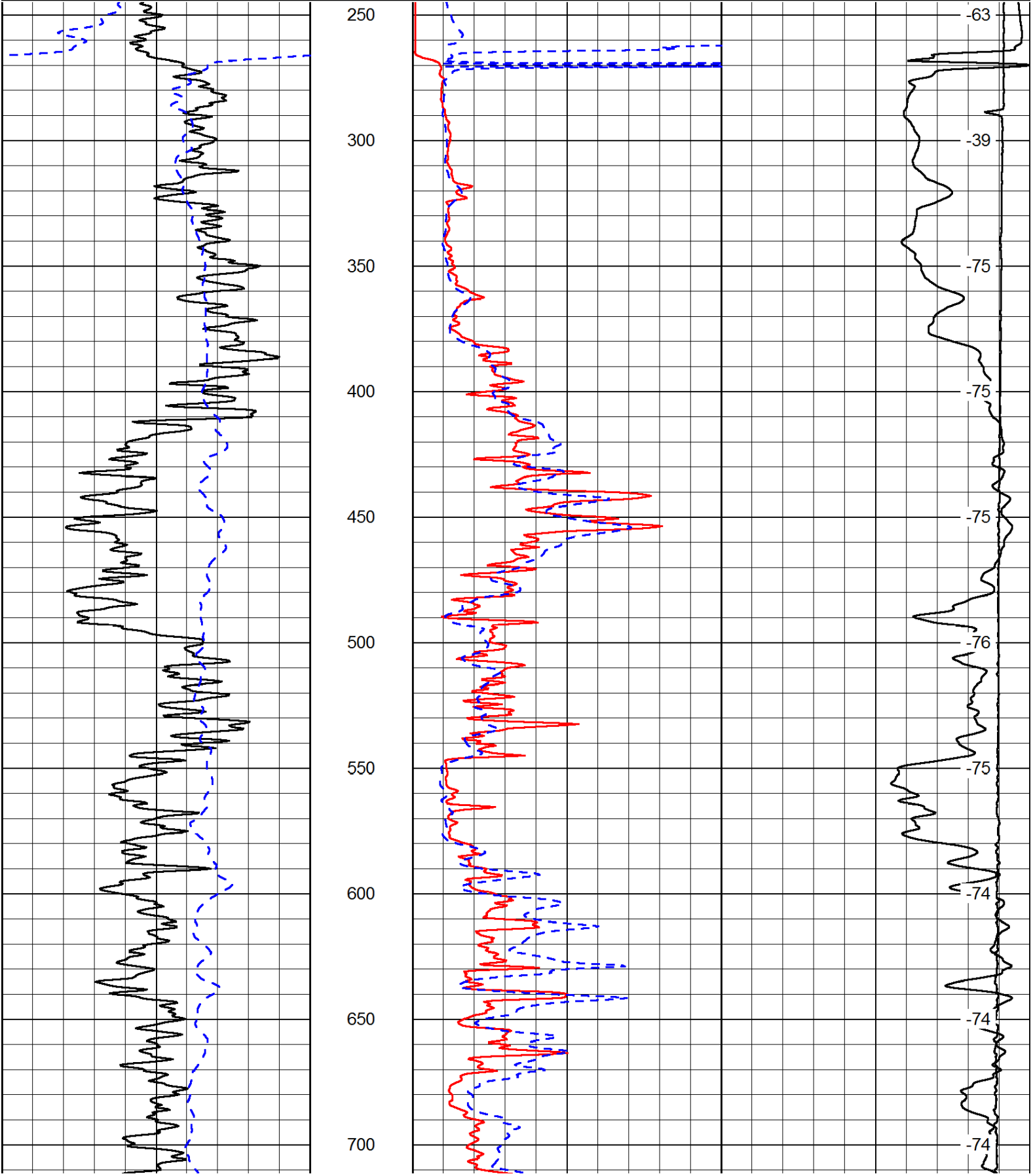
Comments

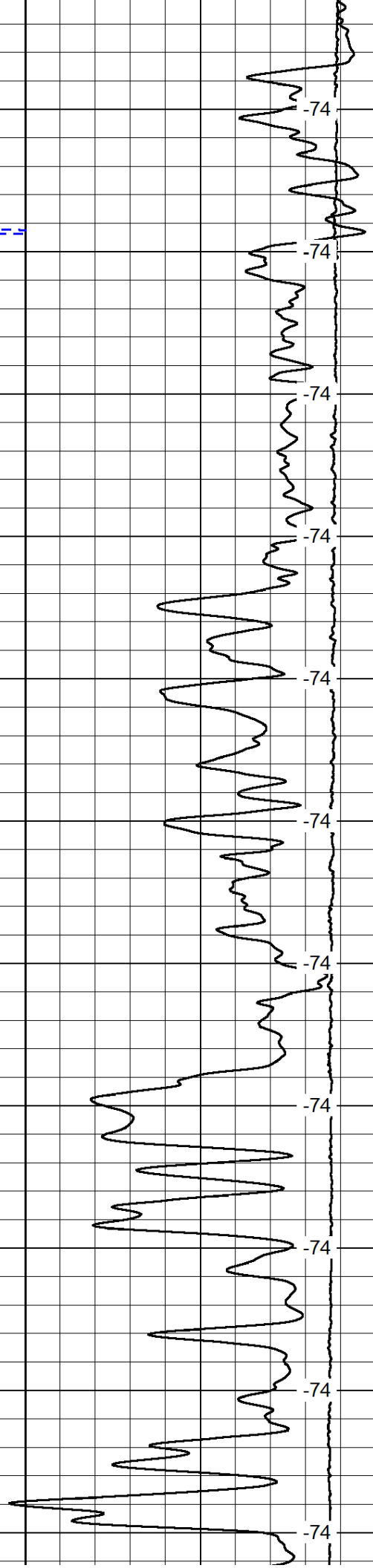
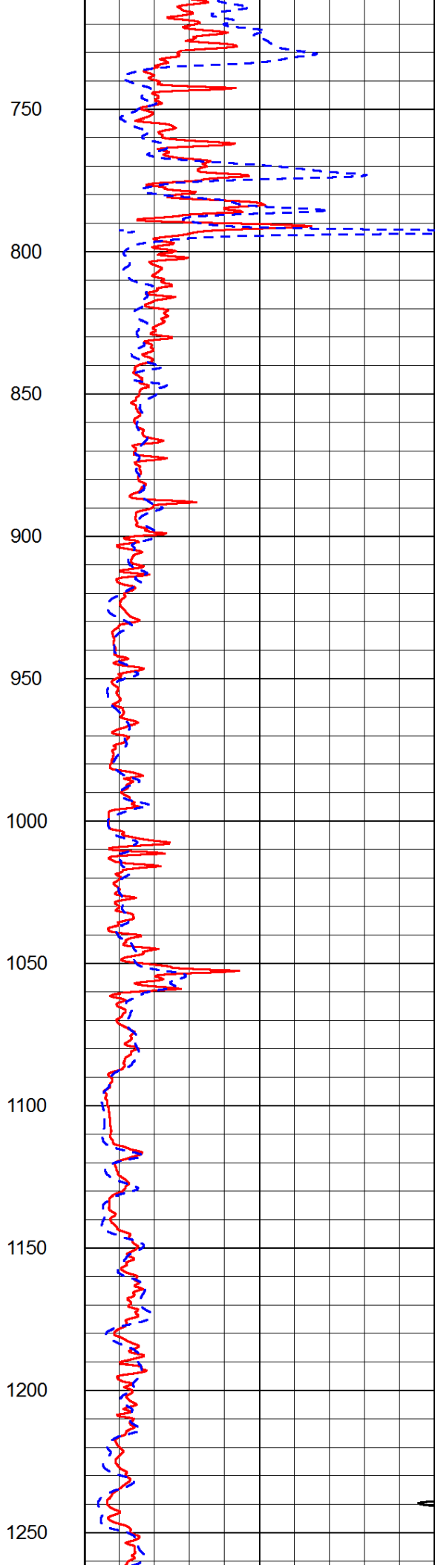
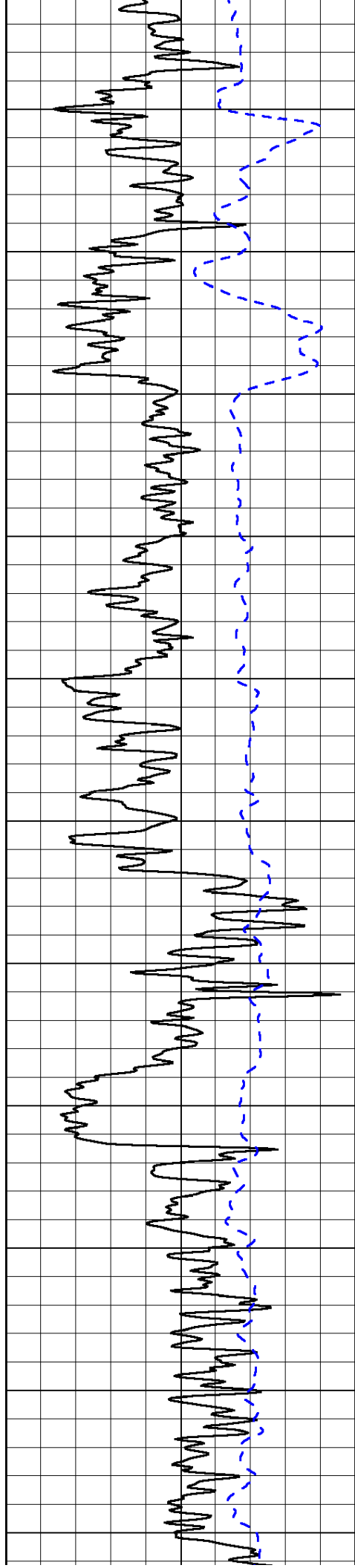
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

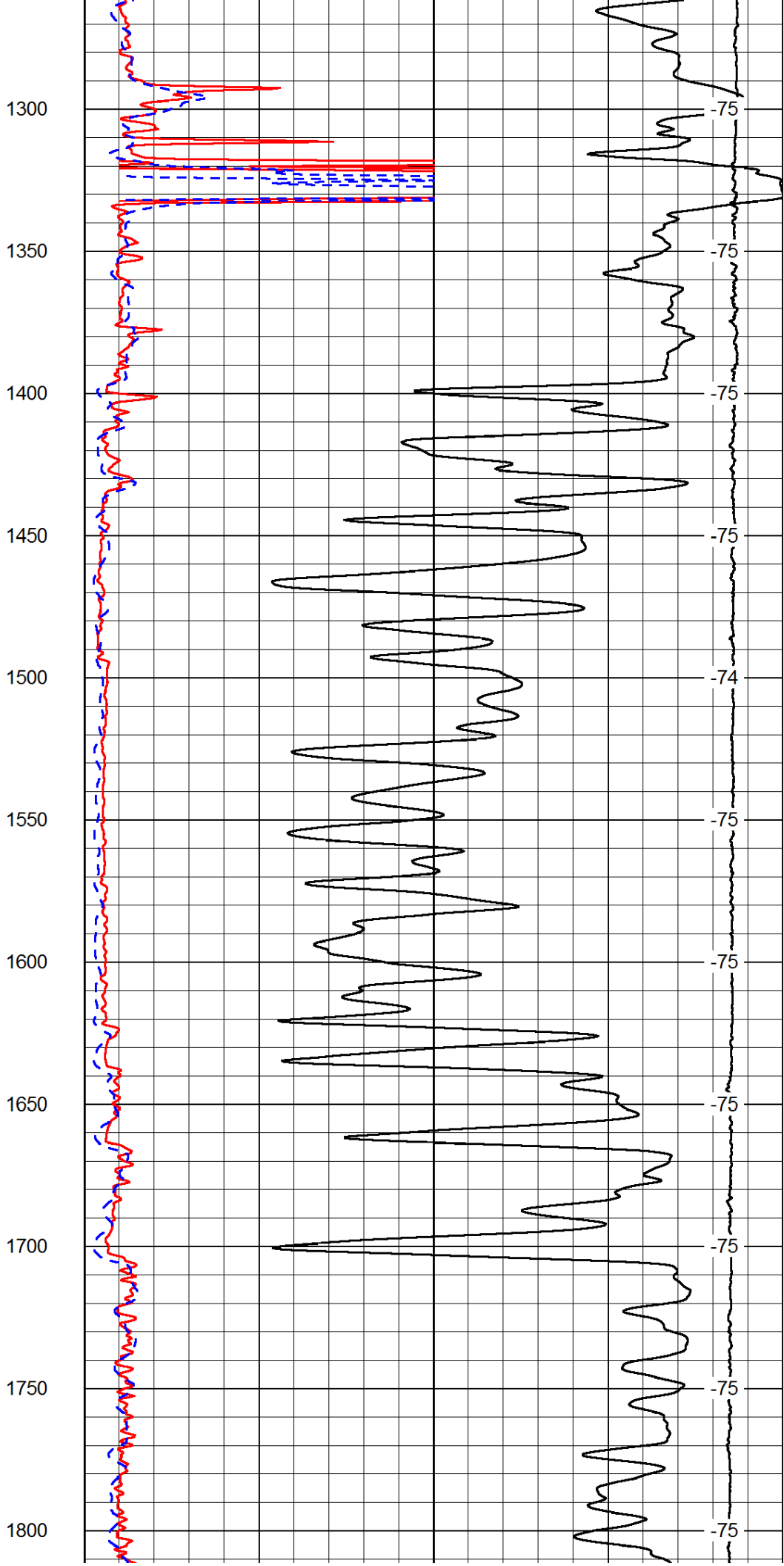
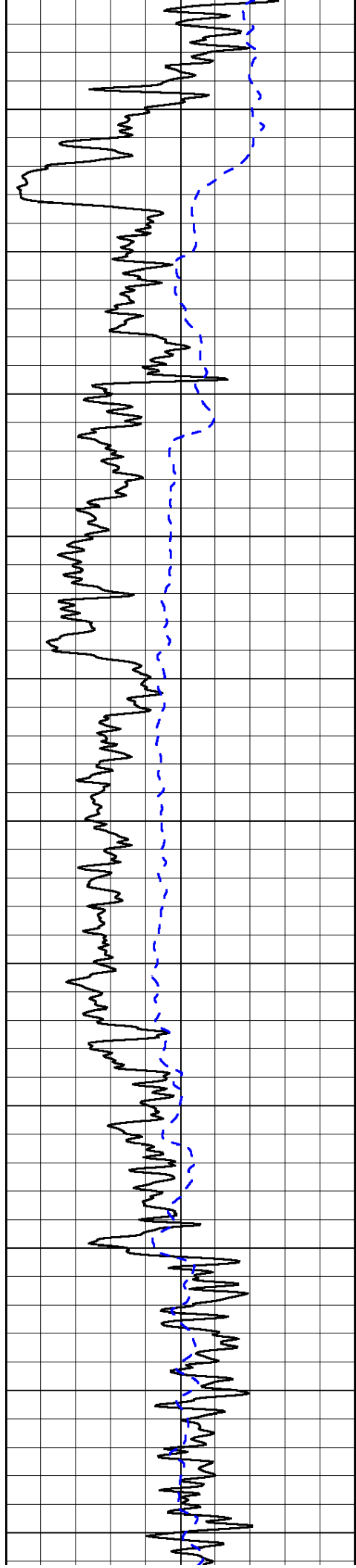
Ness City KS, W to G Rd, (3 1/2 W of Laird Elevator),
3 N, 2 1/2 W, (Follow lease rd)

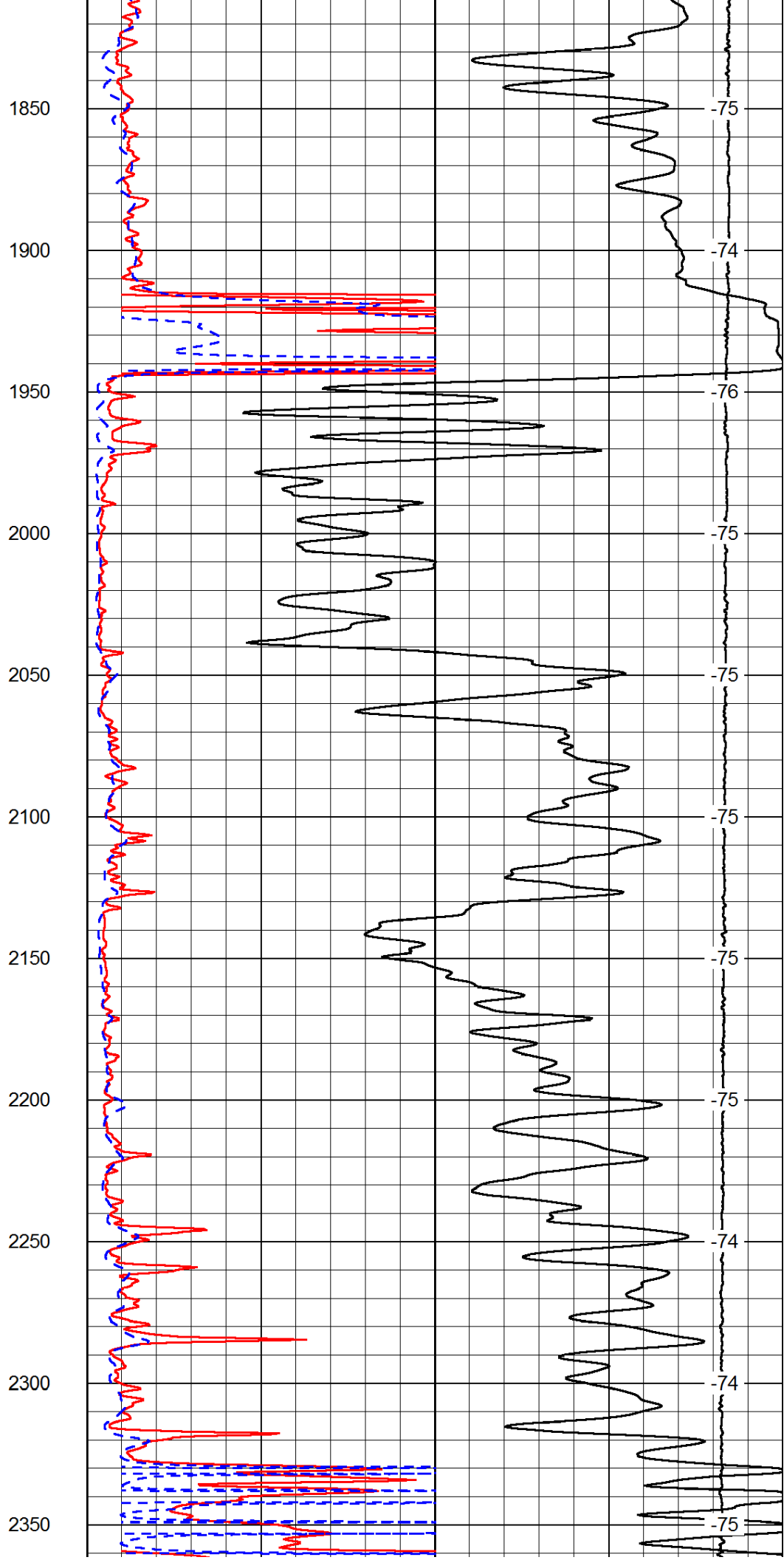
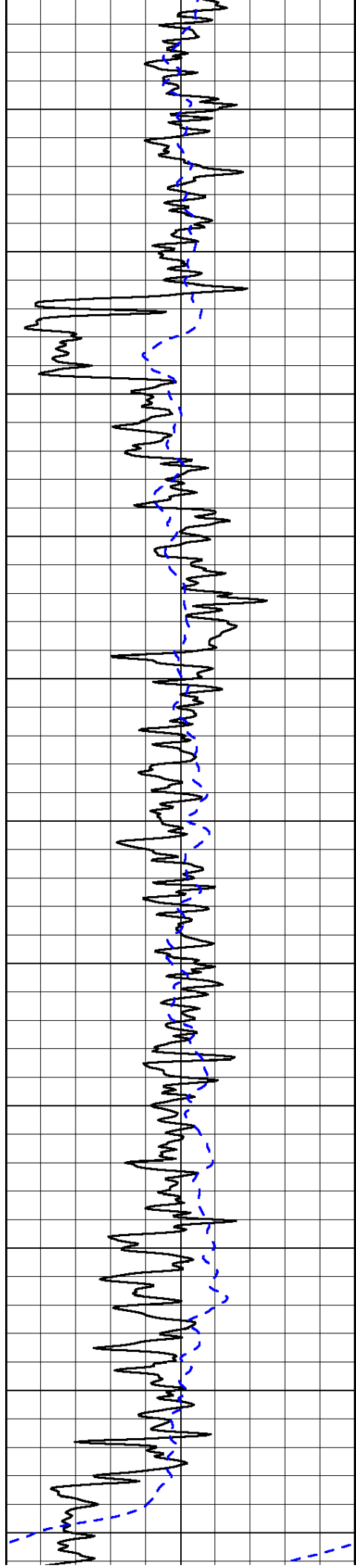
Database File: c:\warrior\data\pickrell_dinges ac unit #4\pickrellhd.db
Dataset Pathname: dil/pickstk
Presentation Format: dil2in
Dataset Creation: Thu Feb 07 11:24:05 2013
Charted by: Depth in Feet scaled 1:600

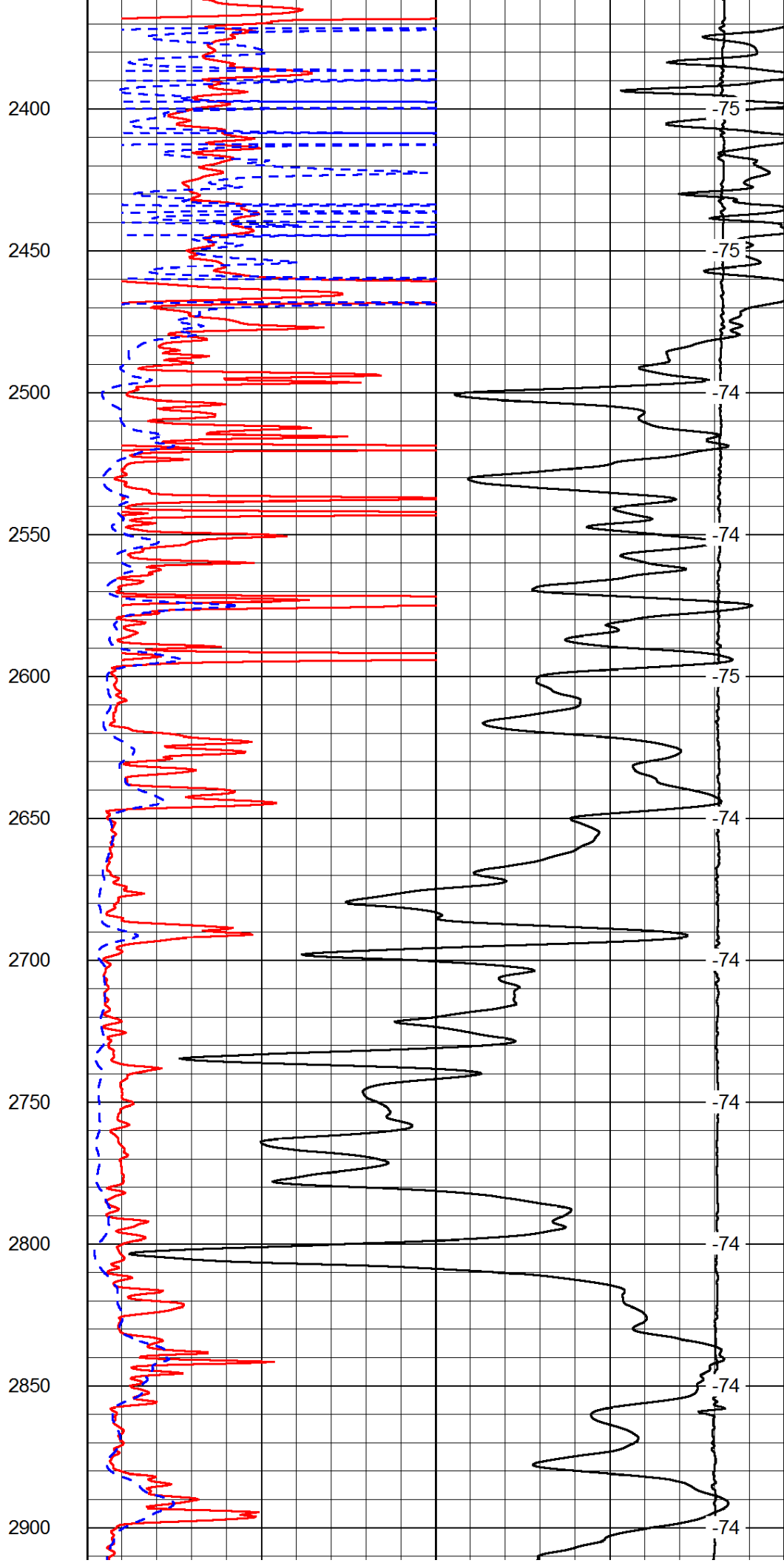
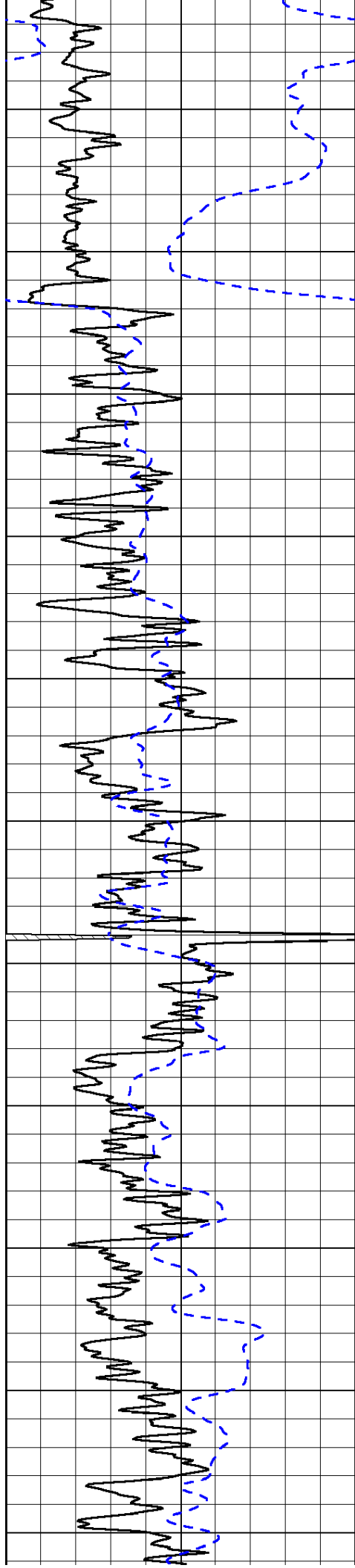
Charted by: _____ Depth in Feet scaled 1:600								
0	Gamma Ray	150	0	Shallow Resistivity	50	LSPD		
-200	SP (mV)	0	0	Deep Resistivity	50			
			1000	Conductivity		0		
			15000	Line Tension		0		
			50	Shallow Resistivity	500			
			50	Deep Resistivity	500			

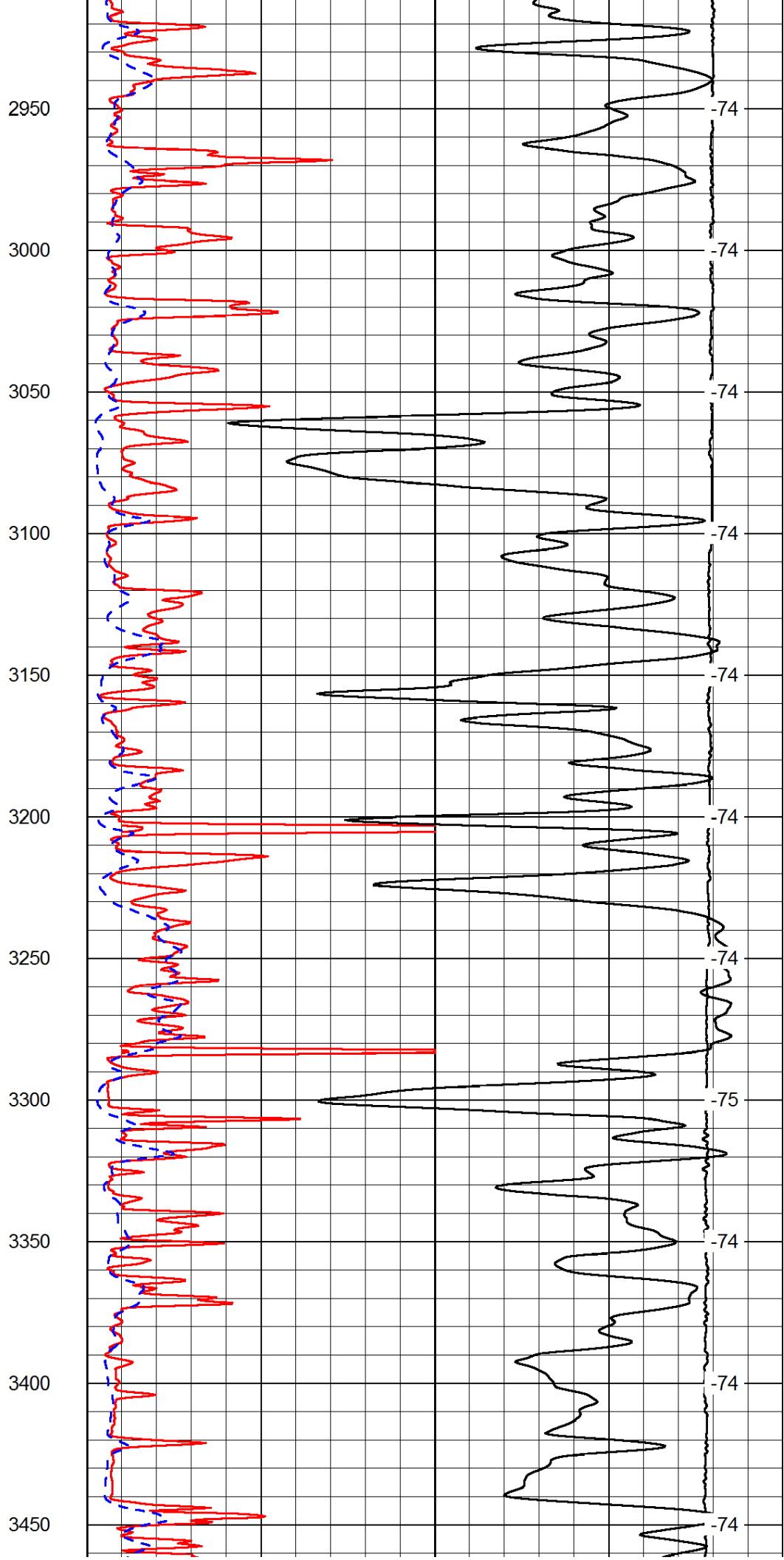
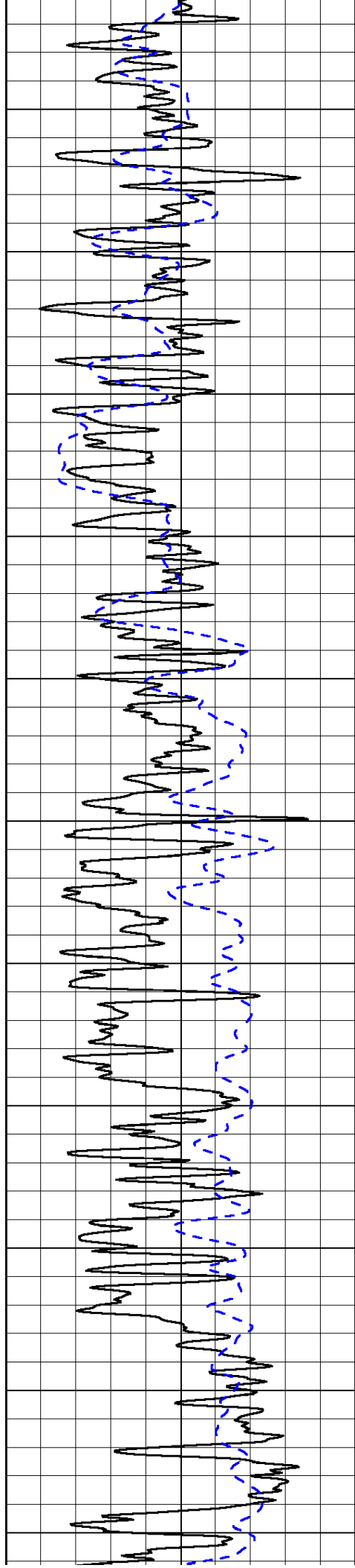


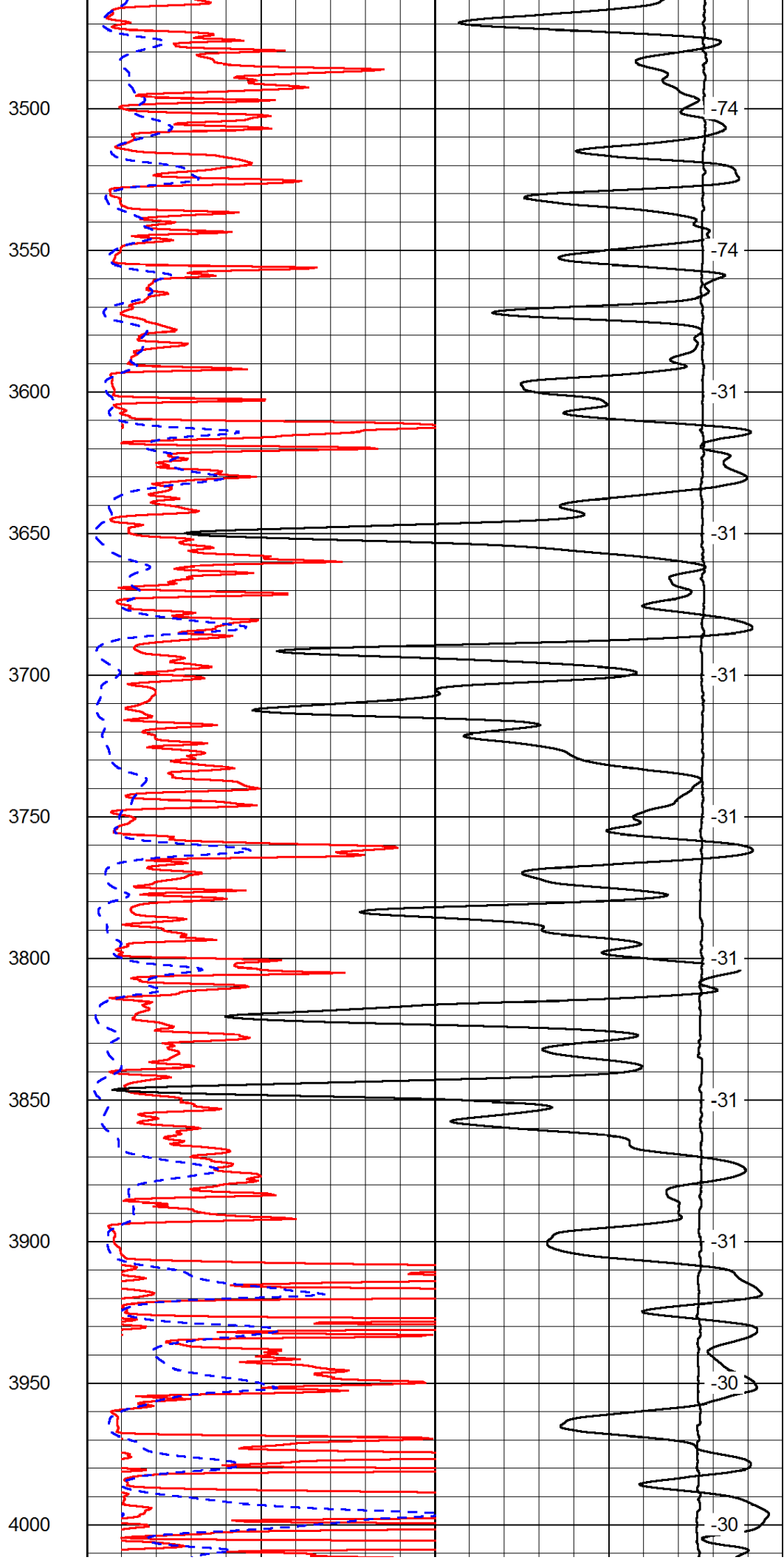
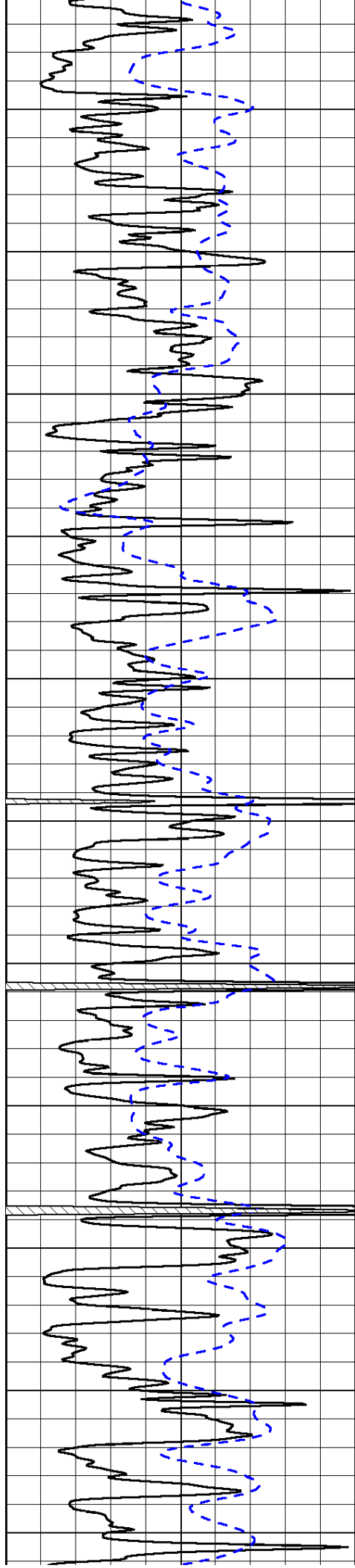


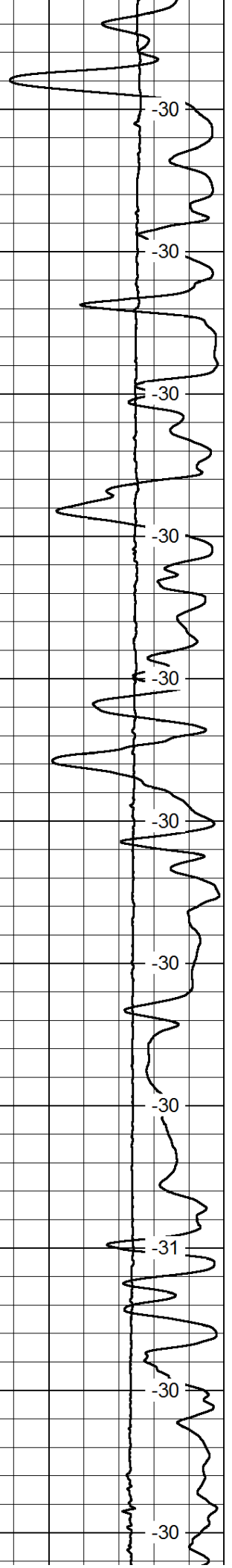
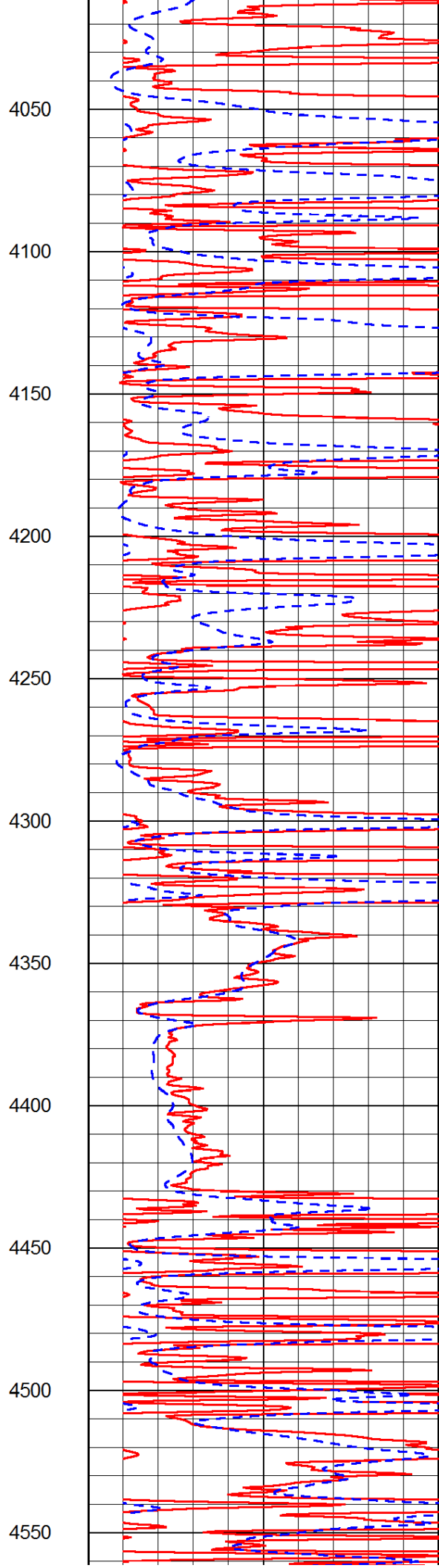
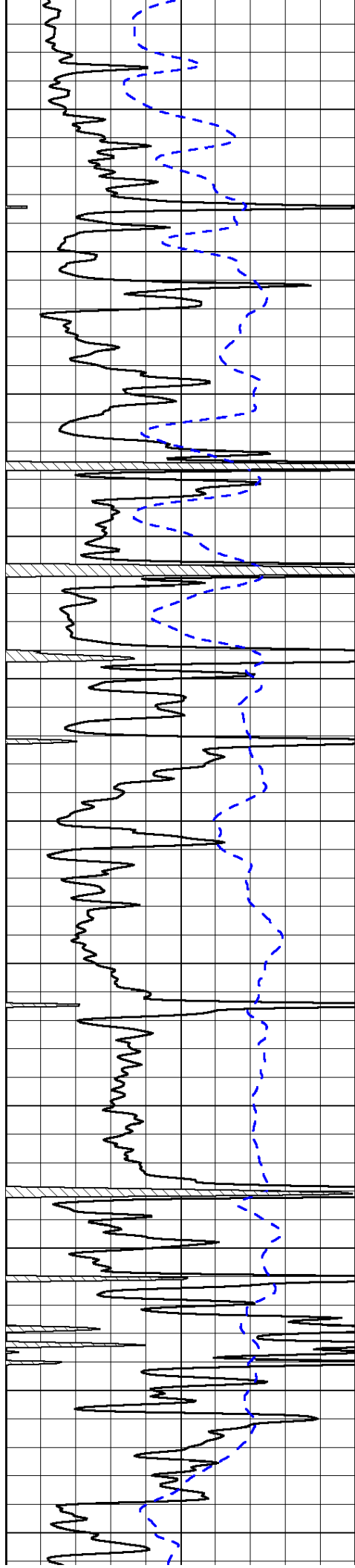


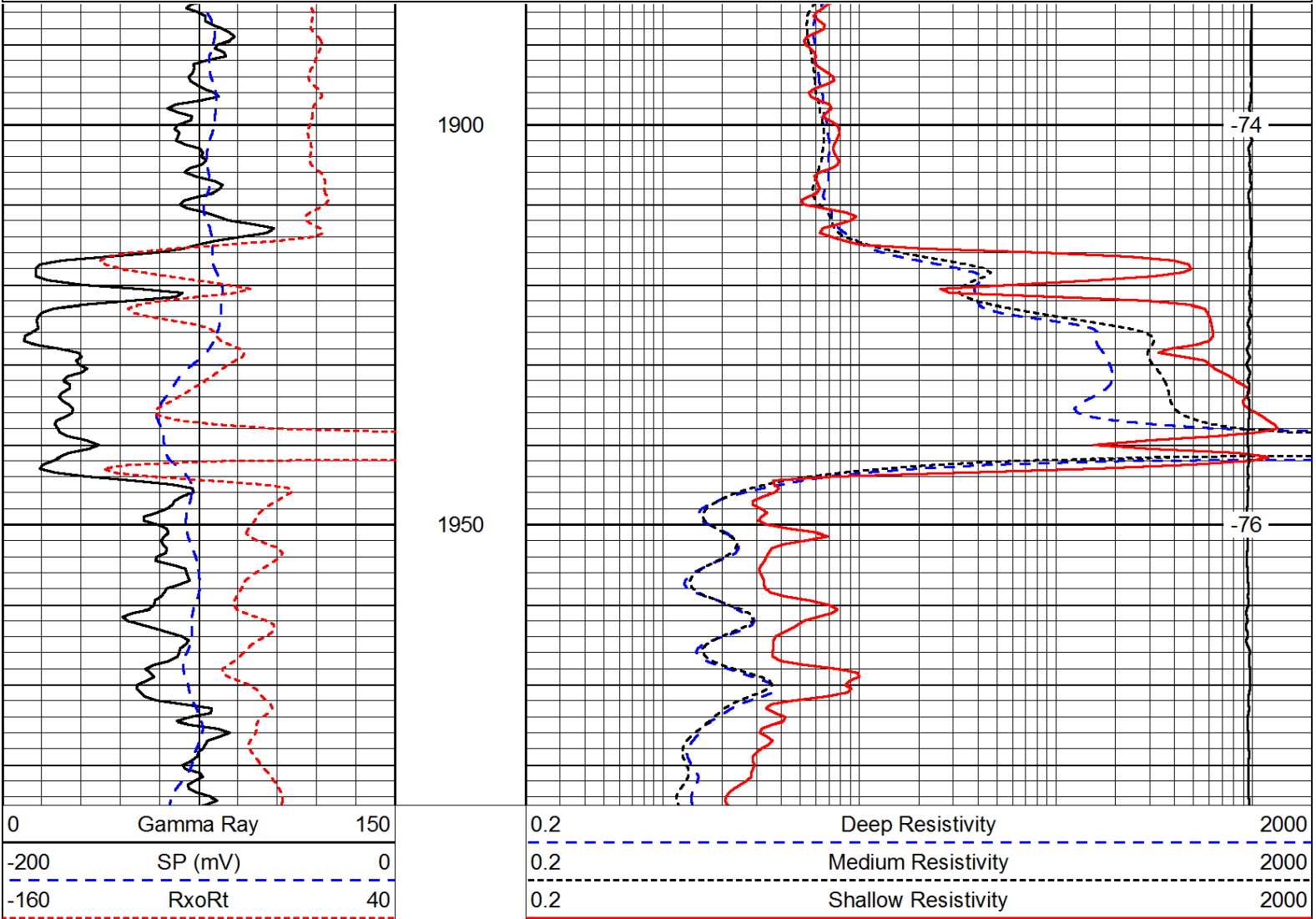
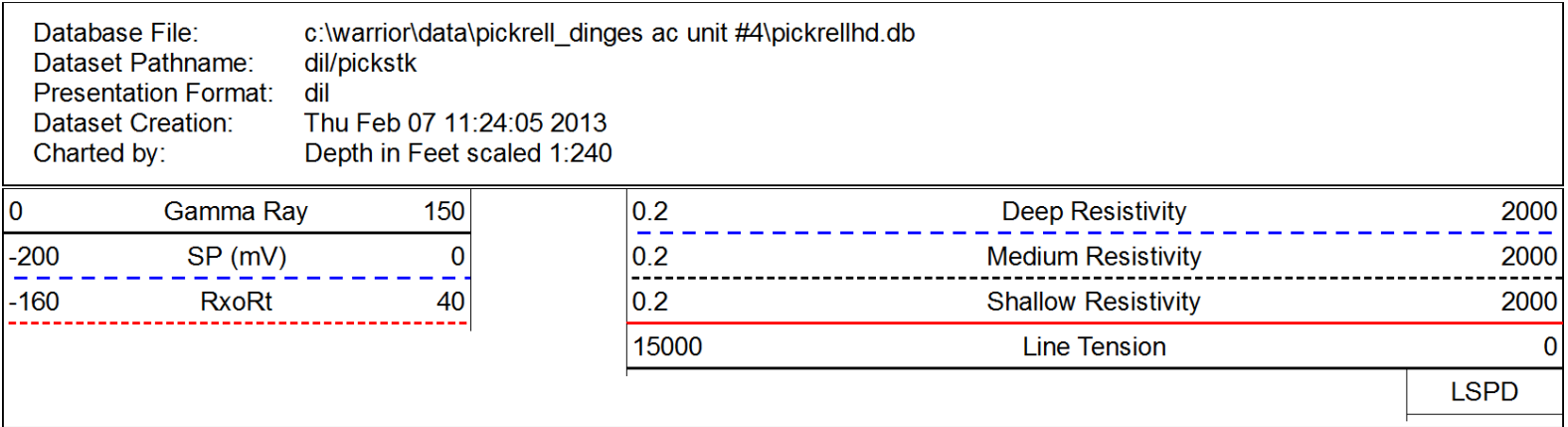
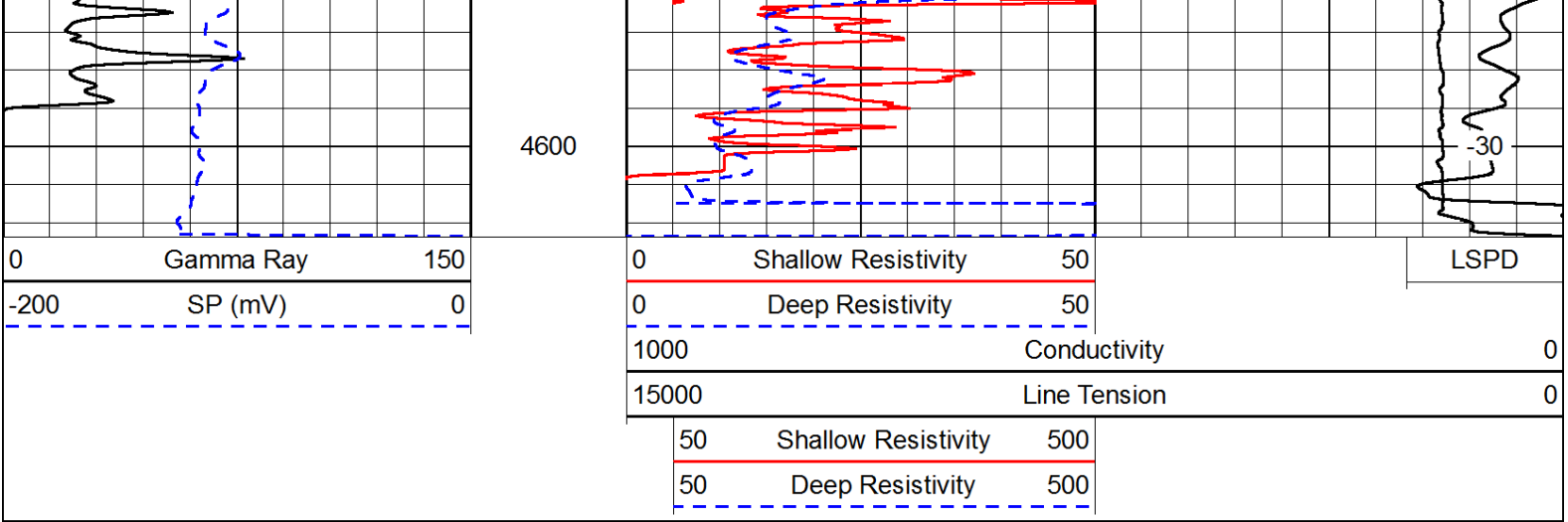










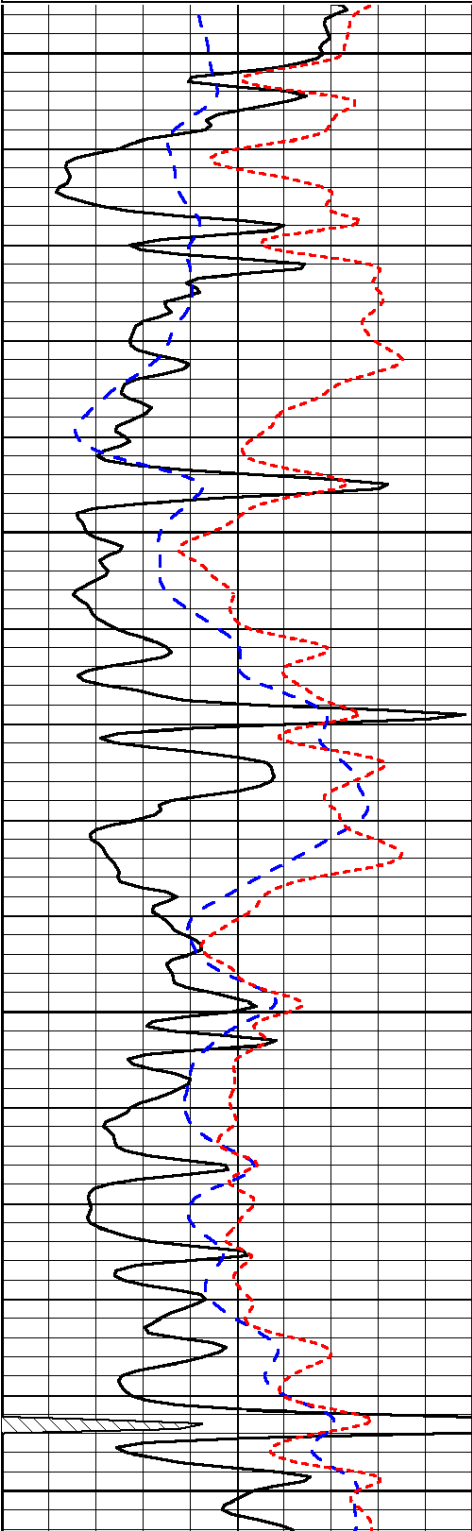


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Dataset Pathname: dil/pickstk
Presentation Format: dil
Dataset Creation: Thu Feb 07 11:24:05 2013
Charted by: Depth in Feet scaled 1:240

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

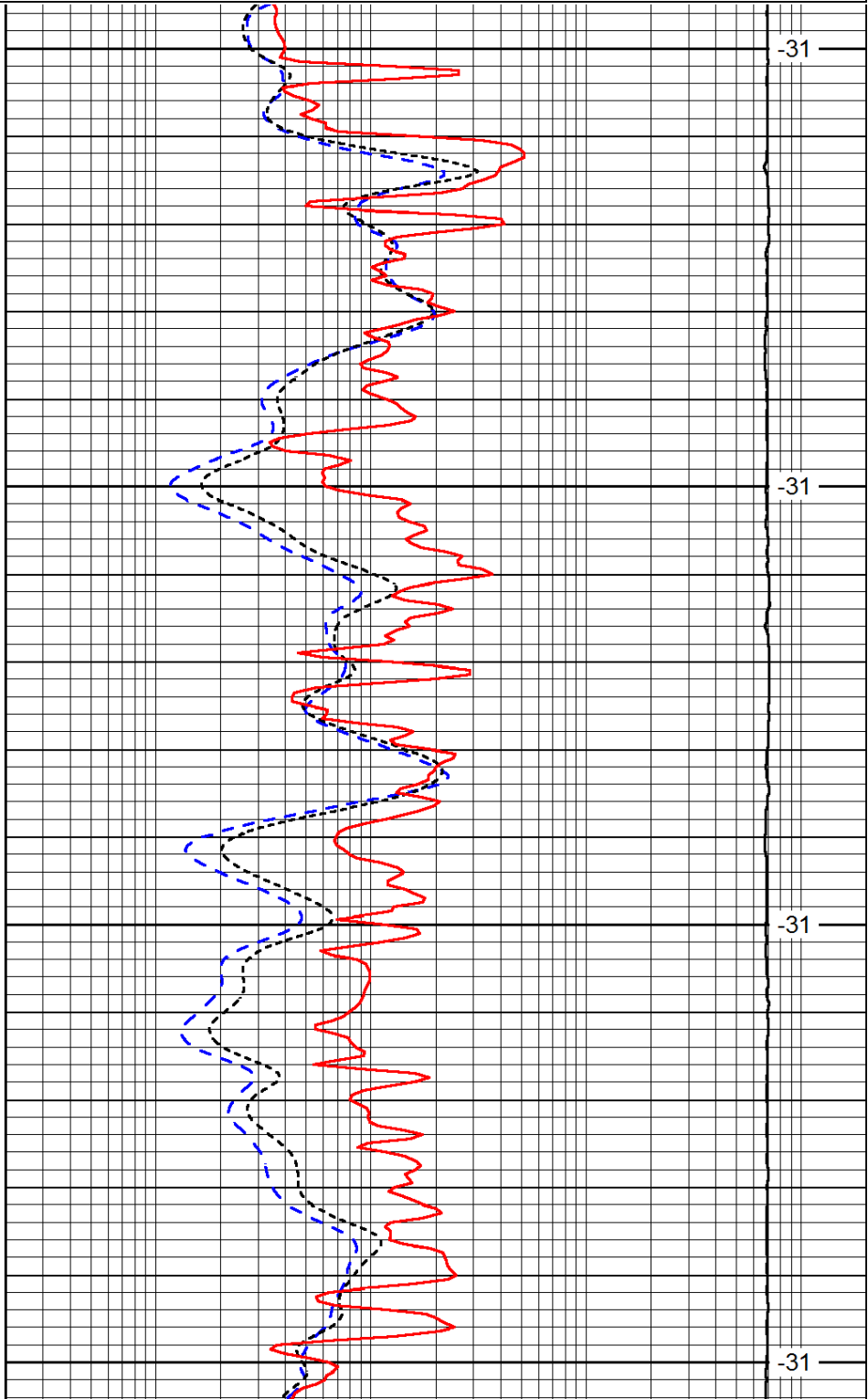


3600

3650

3700

3750

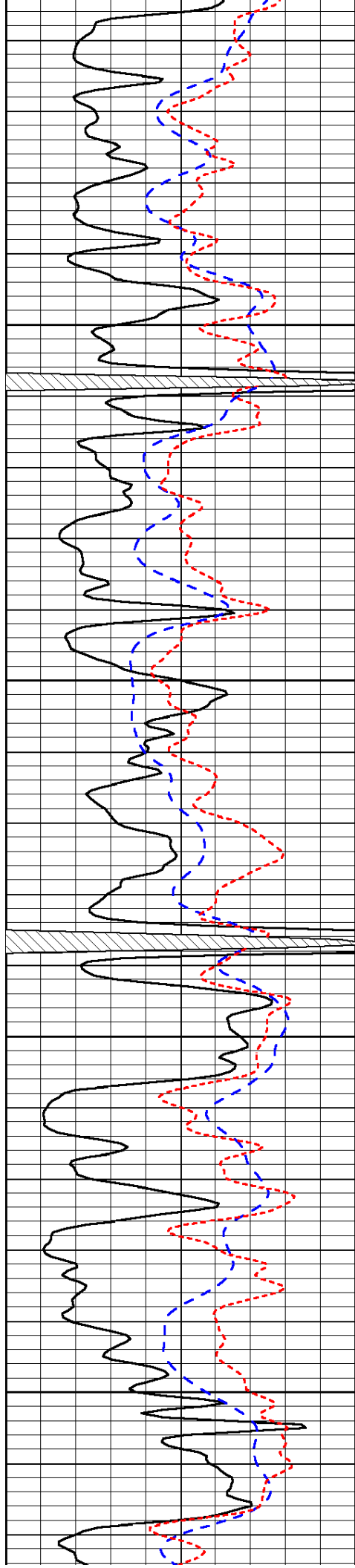


-31

-31

-31

-31

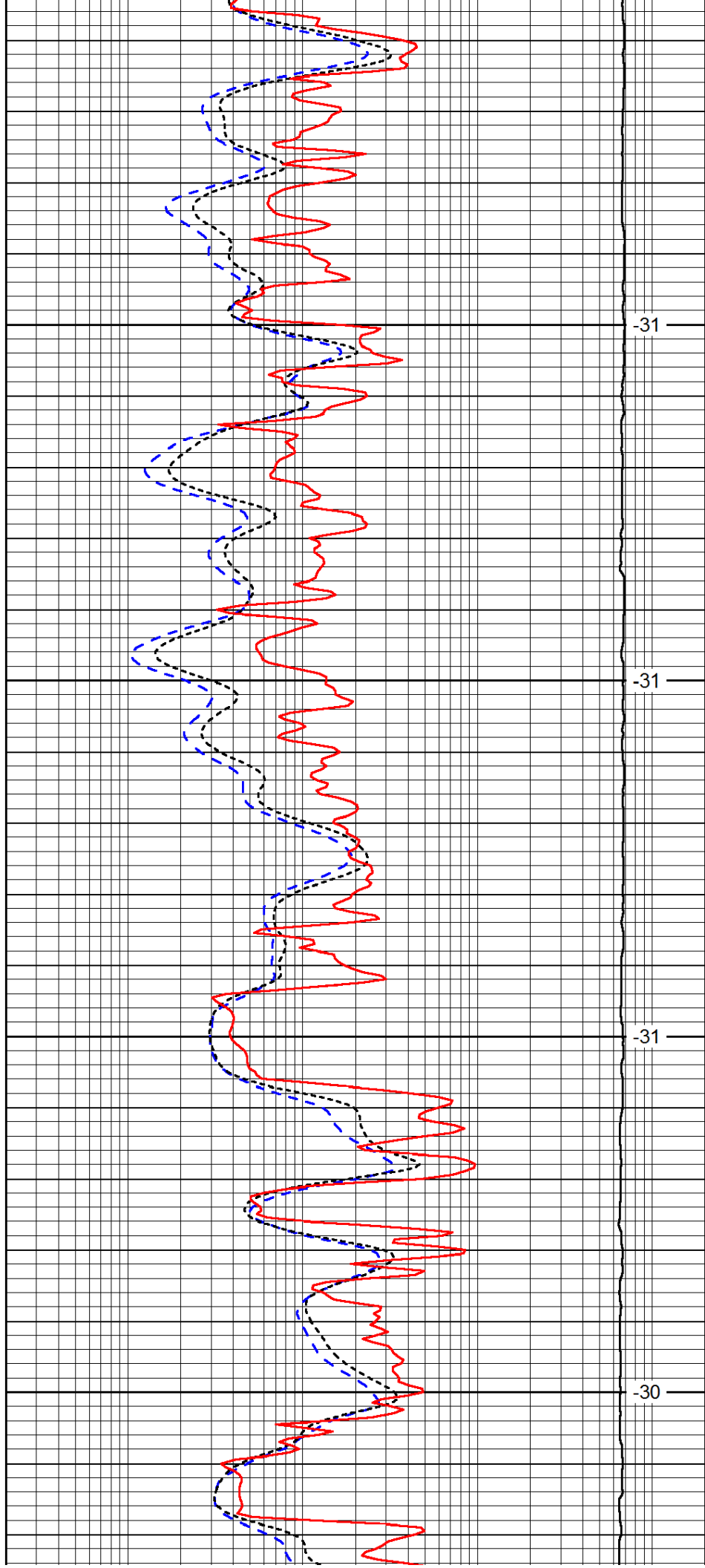


3800

3850

3900

3950

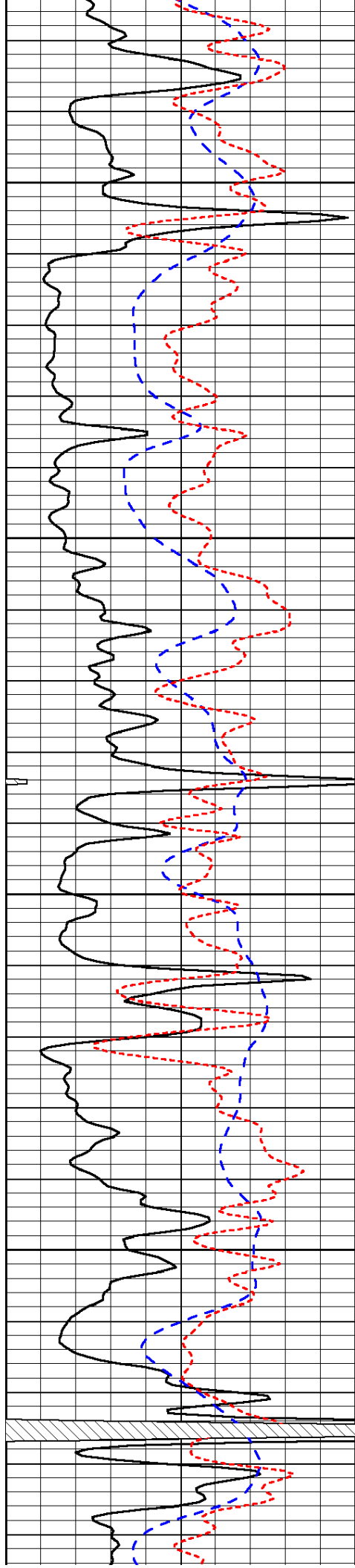


-31

-31

-31

-30

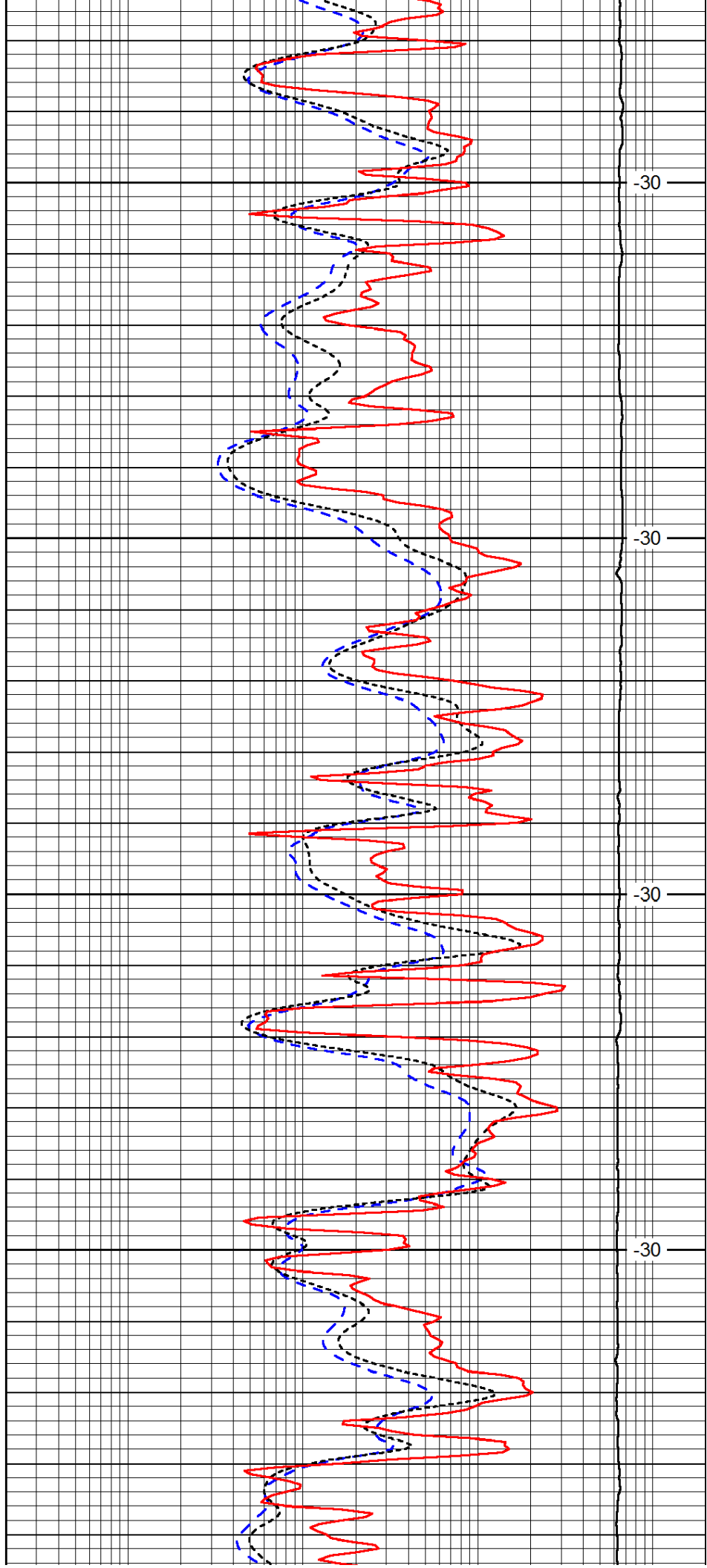


4000

4050

4100

4150

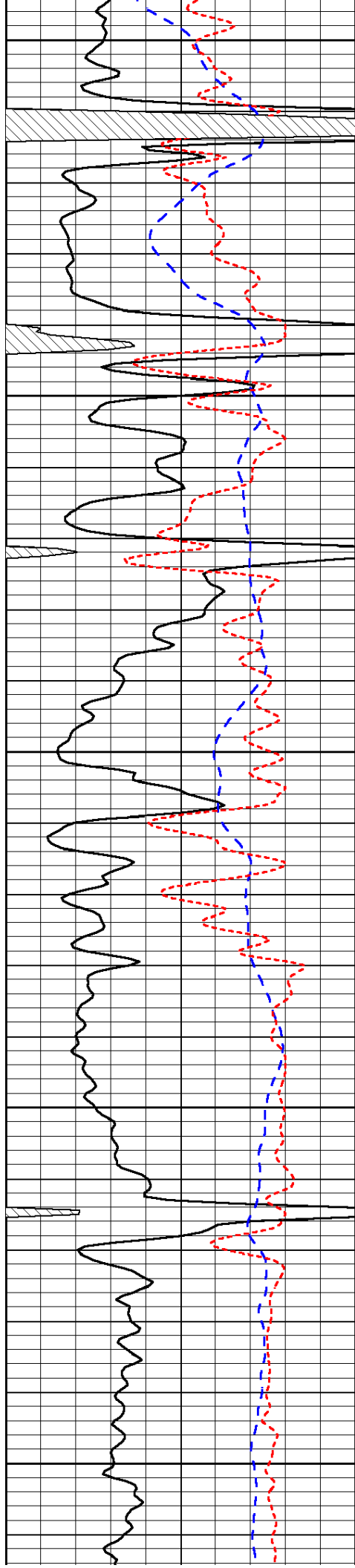


-30

-30

-30

-30



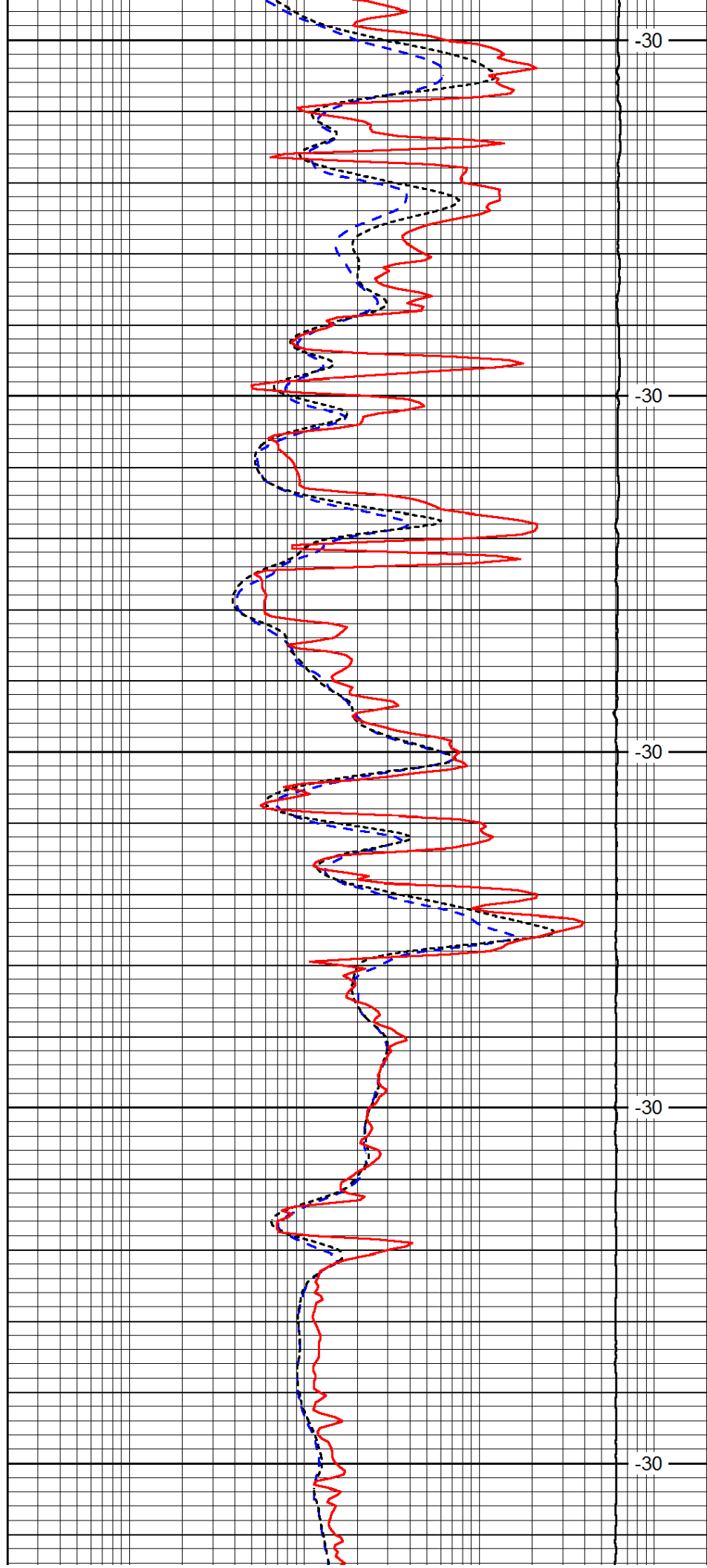
4200

4250

4300

4350

4400



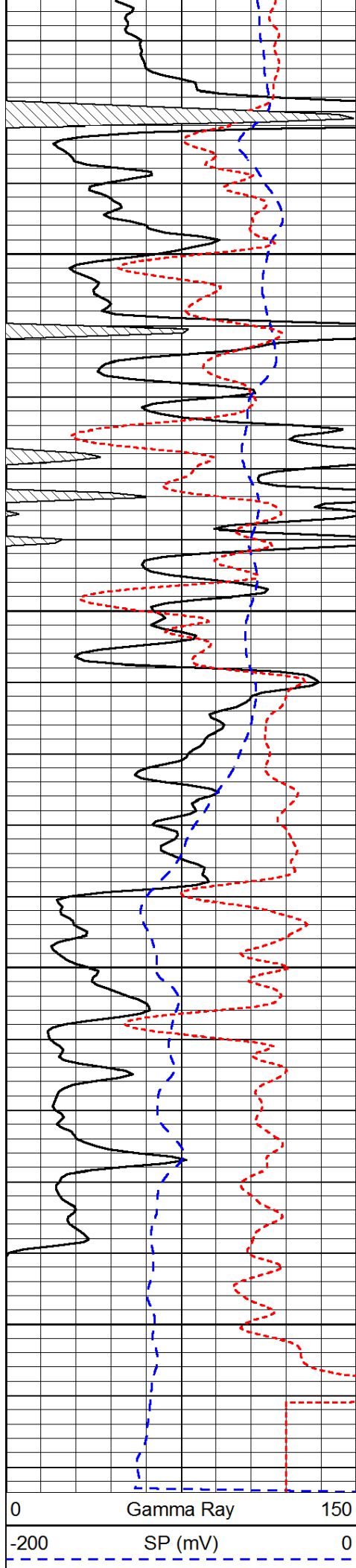
-30

-30

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-30



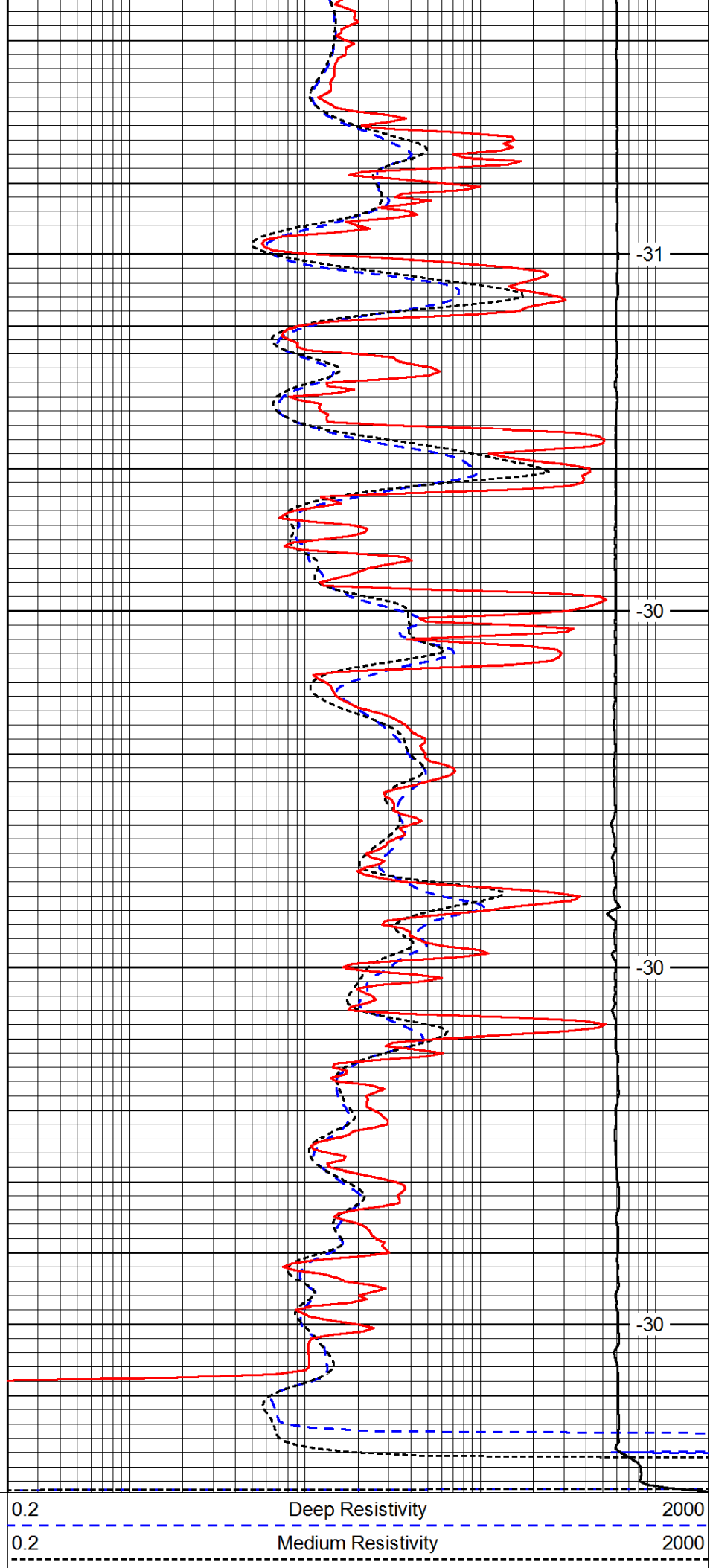
4450

4500

4550

4600

0 Gamma Ray 150
-200 SP (mV) 0



-31

-30

-30

-30

0.2 Deep Resistivity 2000
0.2 Medium Resistivity 2000

-160	RxoRt	40

0.2	Shallow Resistivity	2000
15000	Line Tension	0
		LSPD