



Dual Induction Log

Pioneer Energy Services

API No.

15-009-26,017-00-00

Company Trans Pacific Oil Corporation

Well Ludwig A No.1-32

Field Trapp

County Barton

State

Kansas

Location

100' FNL & 825' FWL

Sec: 32

Twp: 16S

Rge: 13W

Elevation

Permanent Datum Ground Level Elevation 1937
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1946
D.F. 1937
G.L. 1937

Date

9/26/2014

Run Number

One

Depth Driller

3386

Depth Logger

3384

Bottom Logged Interval

3383

Top Log Interval

350

Casing Driller

8.625 @ 392

Casing Logger

390

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9.400

Density / Viscosity

9.4 68

pH / Fluid Loss

10.0 10.2

Source of Sample

Flowline

Rm @ Meas. Temp

.55 @ 79

Rmf @ Meas. Temp

.41 @ 79

Rmc @ Meas. Temp

.74 @ 79

Source of Rmf / Rmc

Charts

Rm @ BHT

.4 @ 110

Operating Rig Time

3 Hours

Max Rec. Temp. F

110

Equipment Number

10

Location

Hays

Recorded By

C. Desaire

Witnessed By

Alex Chapin

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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

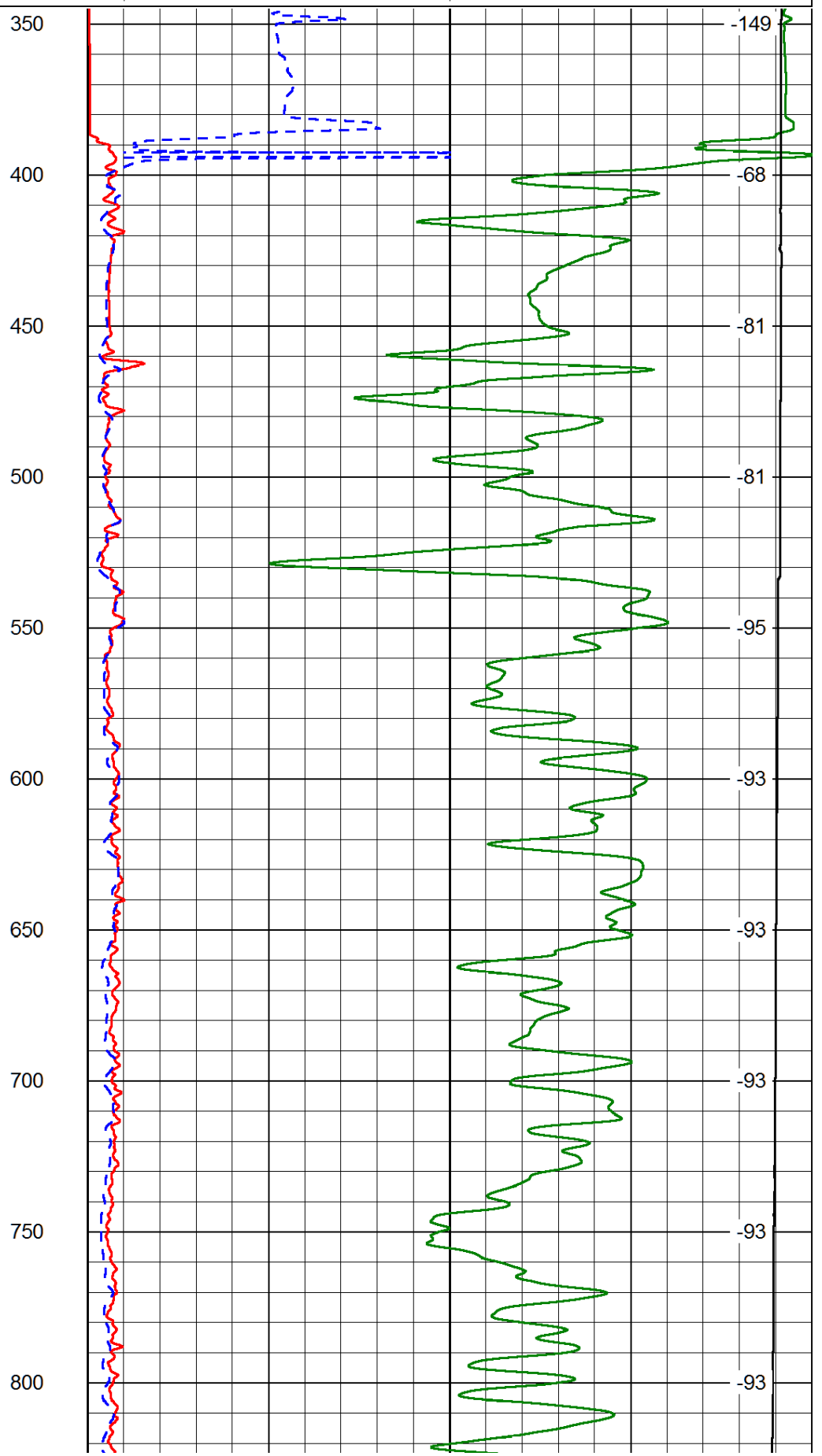
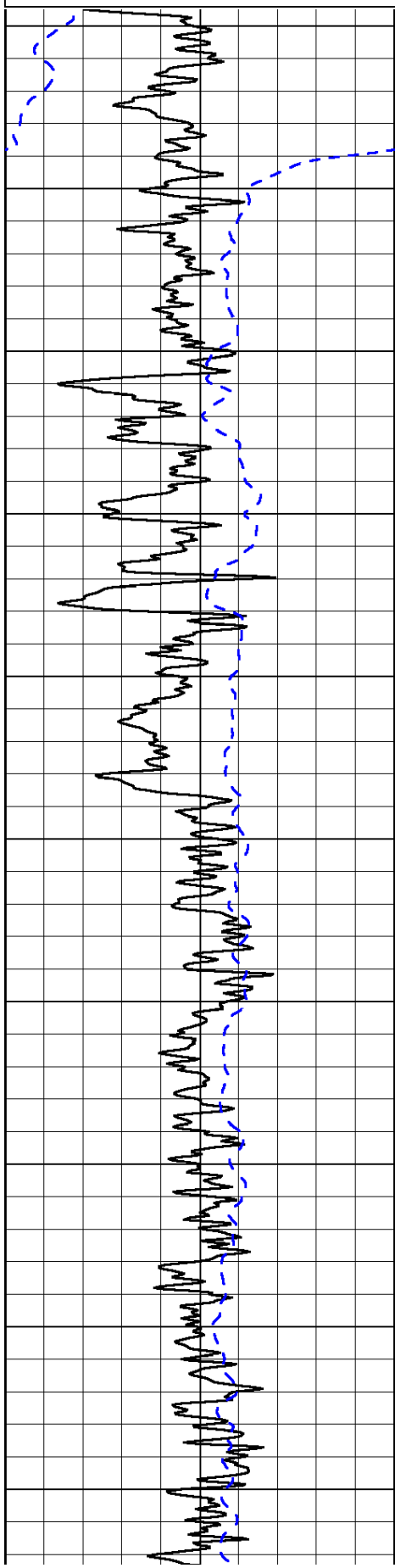
Thank you for using Log-Tech, Inc.
(785) 625-3858

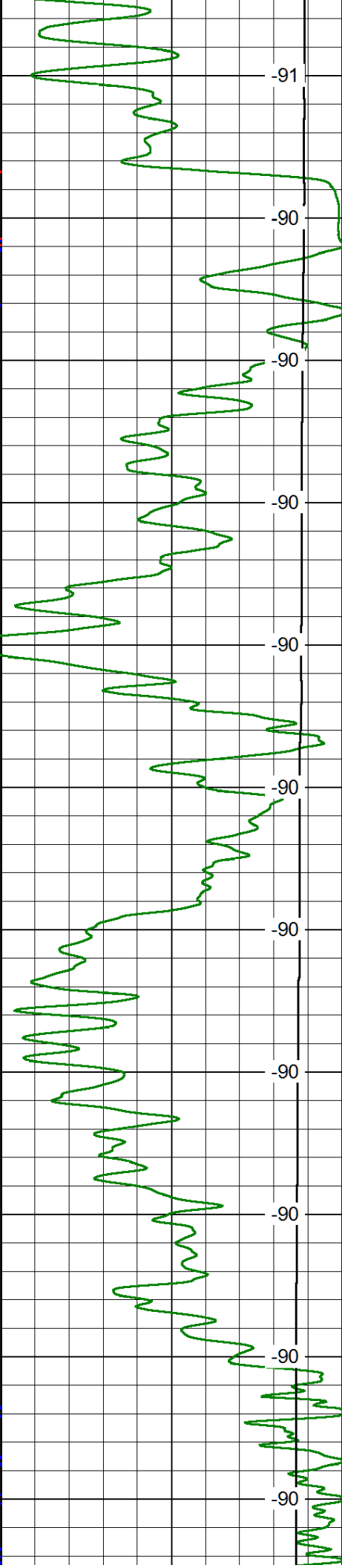
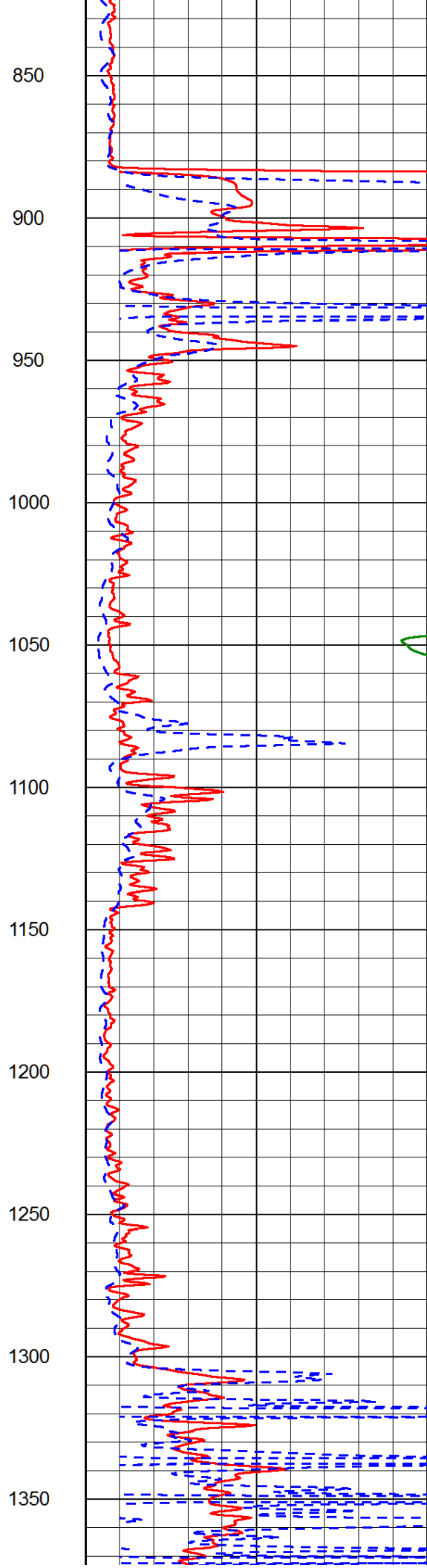
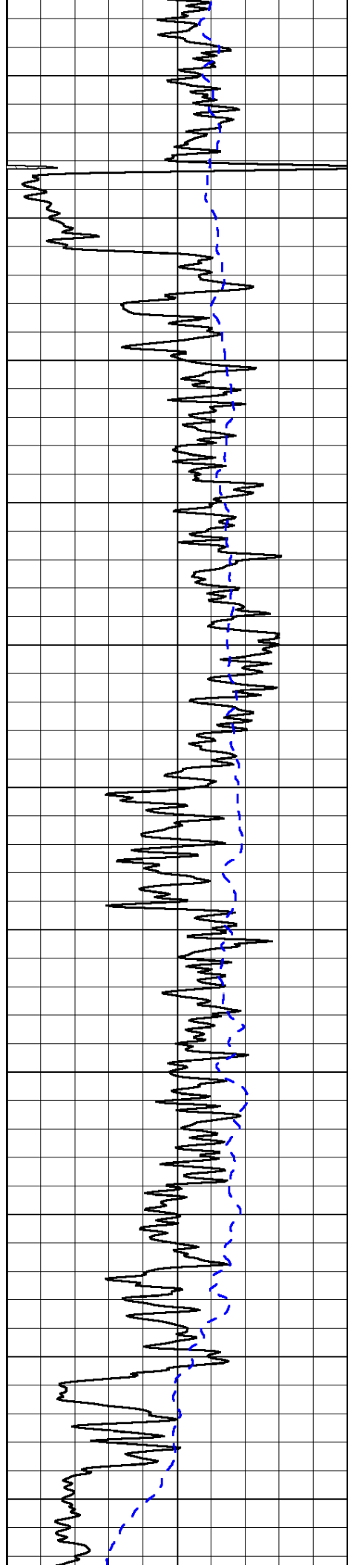
Susank KS, 1 W, 1 S,
1/8 E, S Into

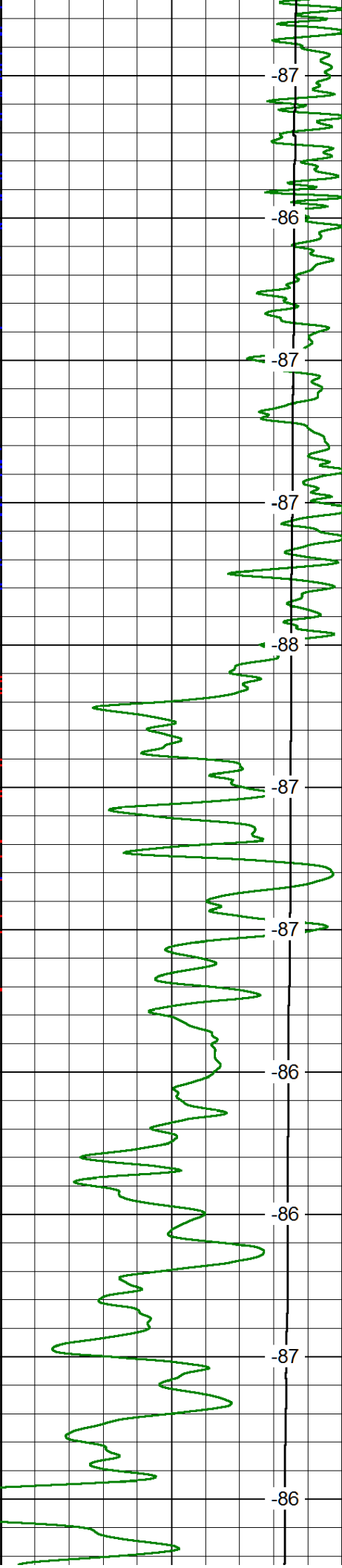
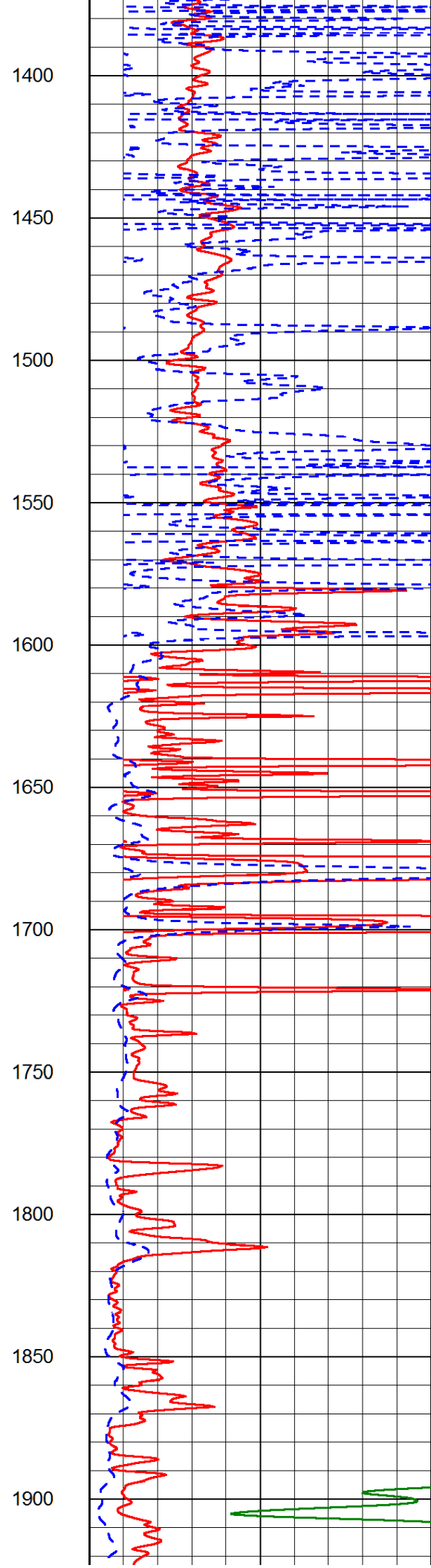
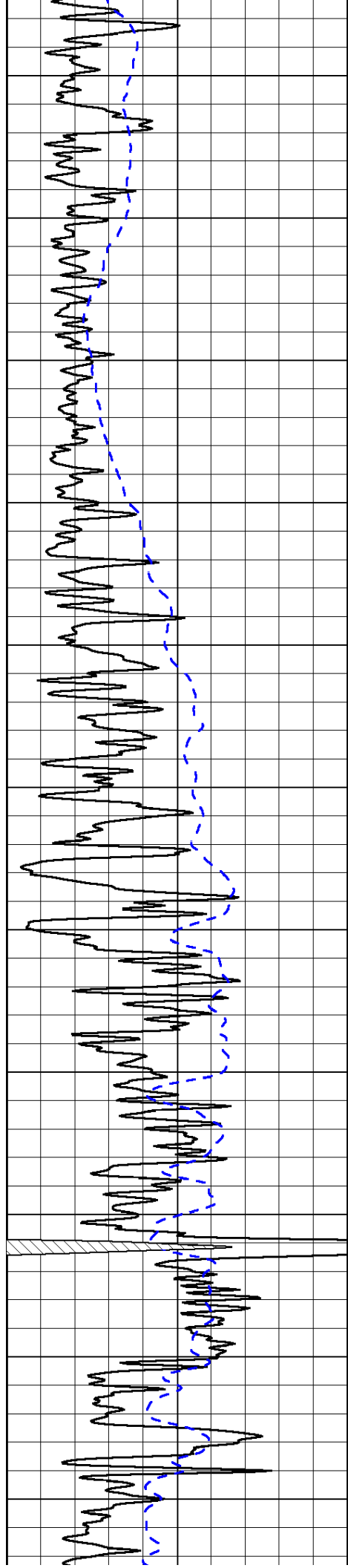
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Presentation Format: dil2in
Dataset Creation: Fri Sep 26 14:59:23 2014
Charted by: Depth in Feet scaled 1:600

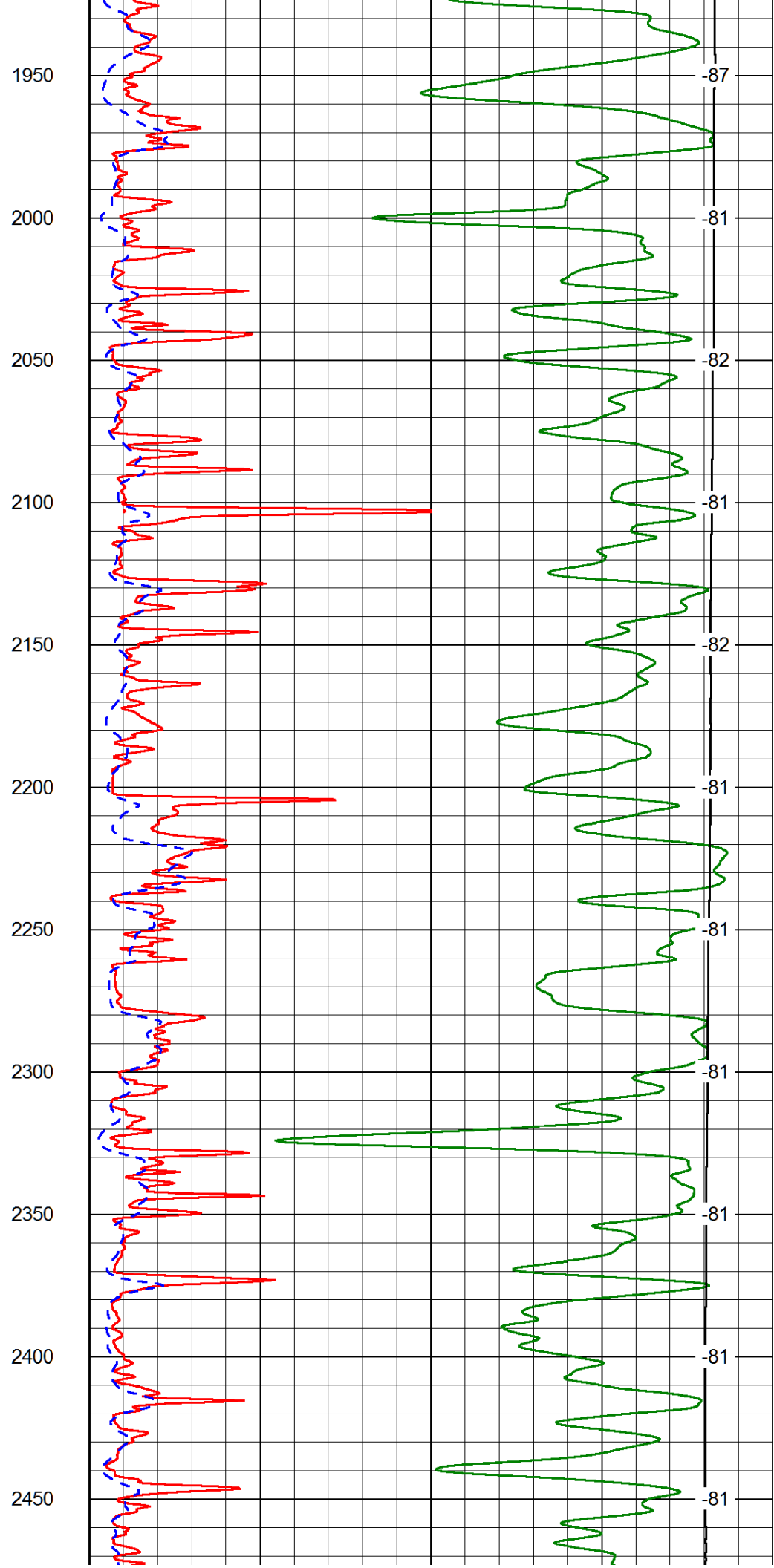
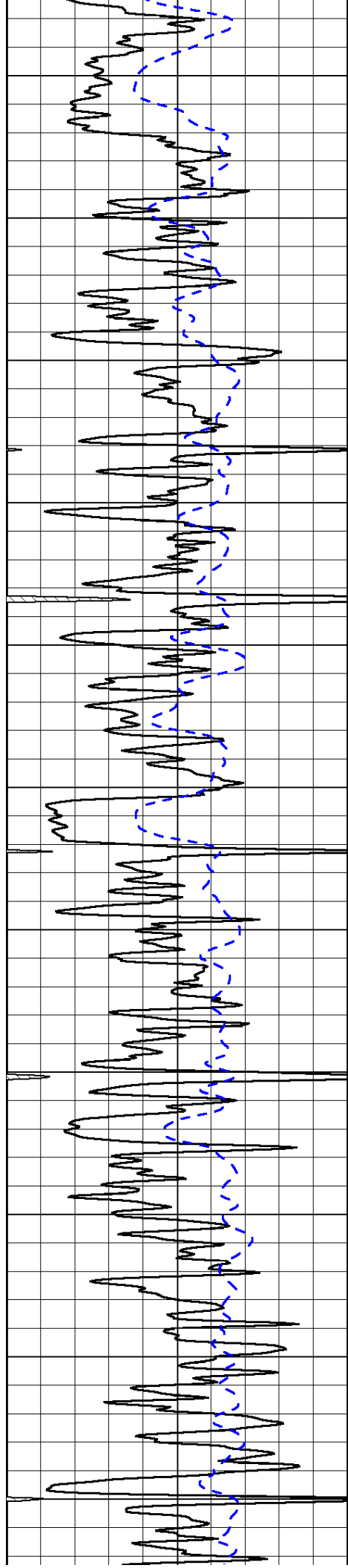
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-200	SP (mV)	0

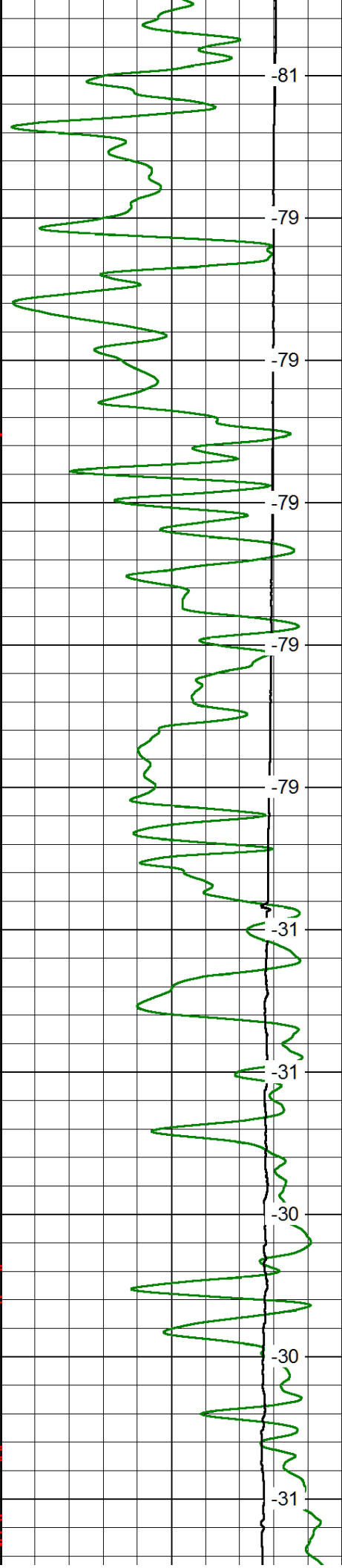
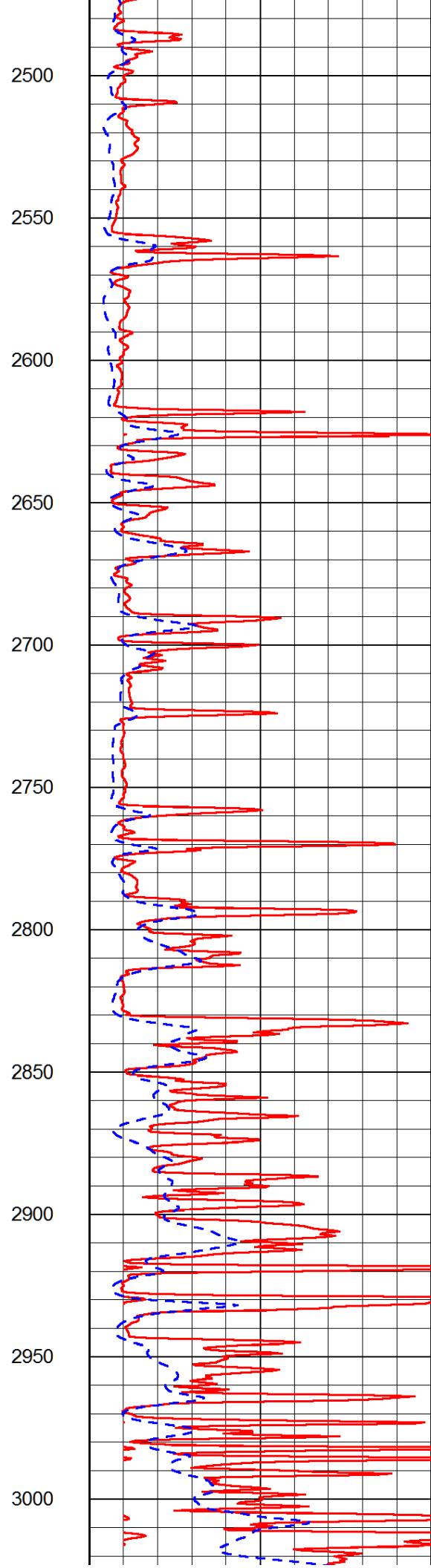
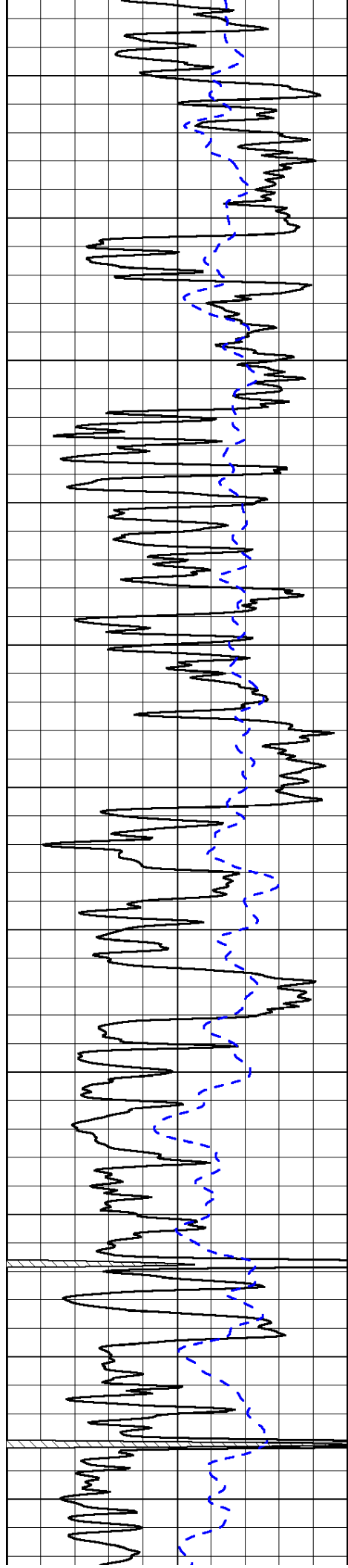
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

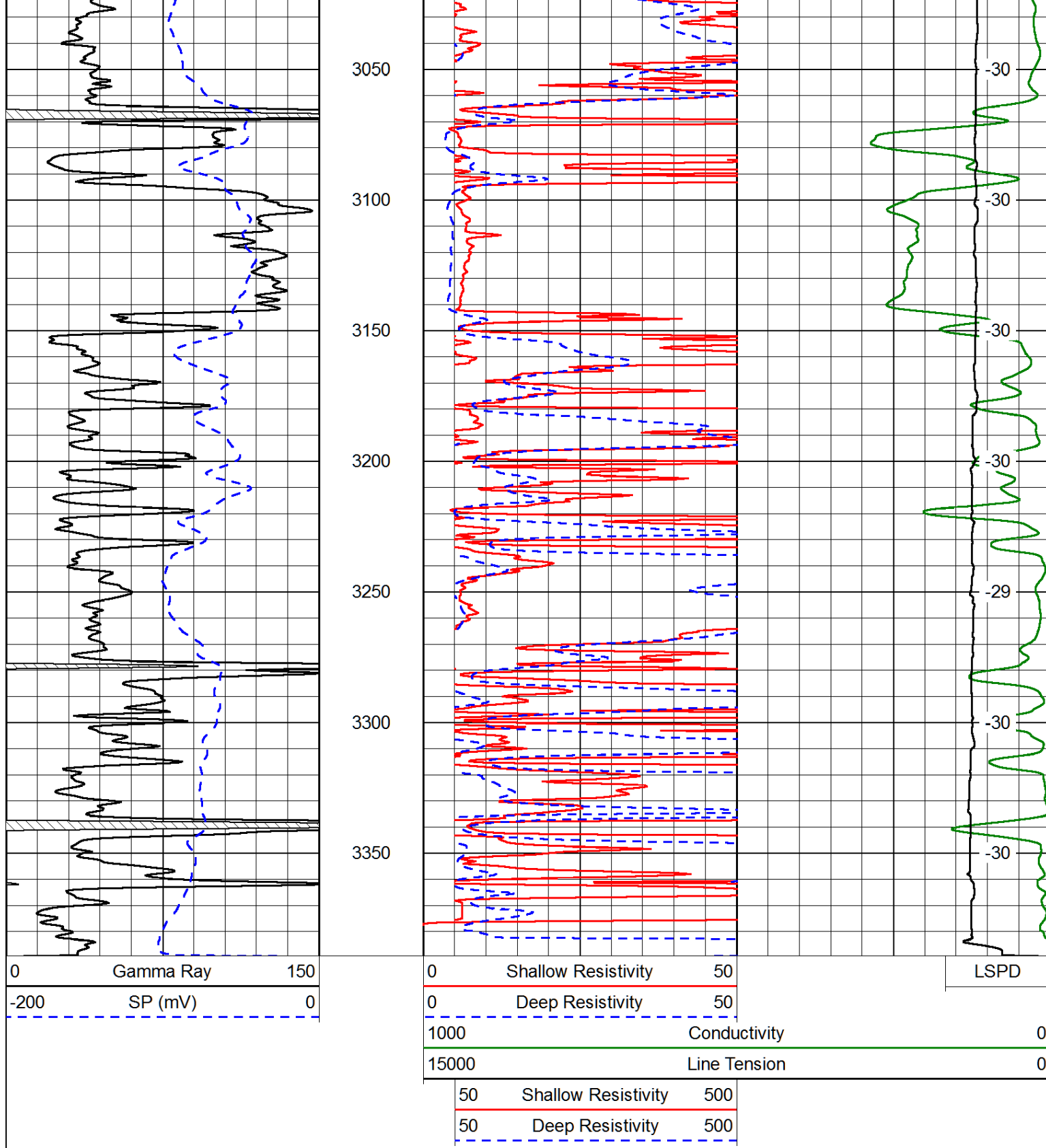




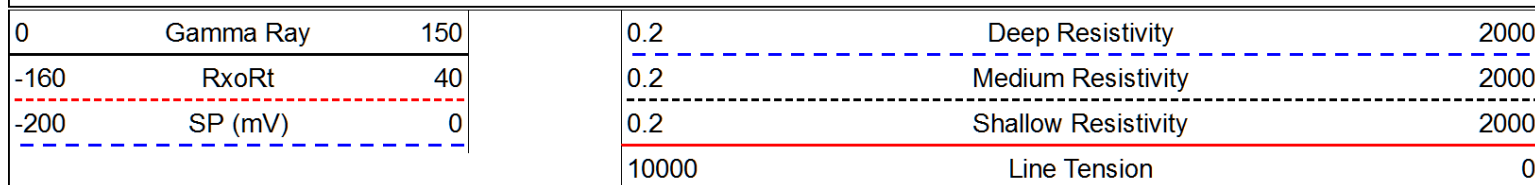


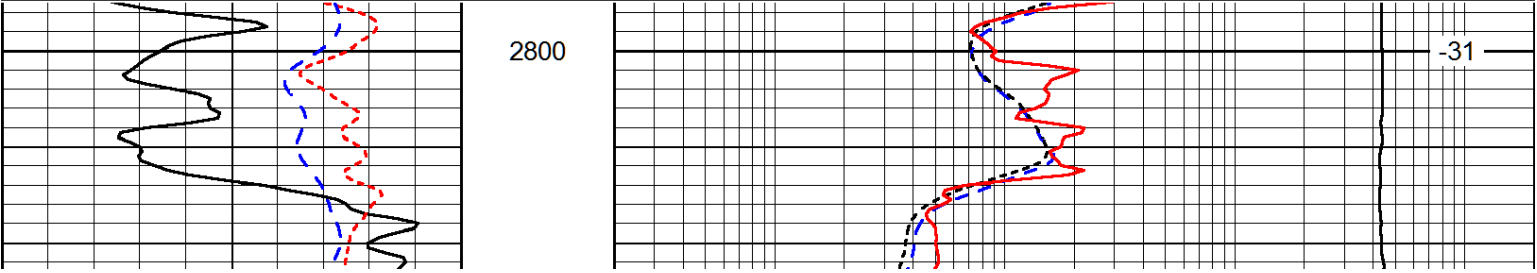
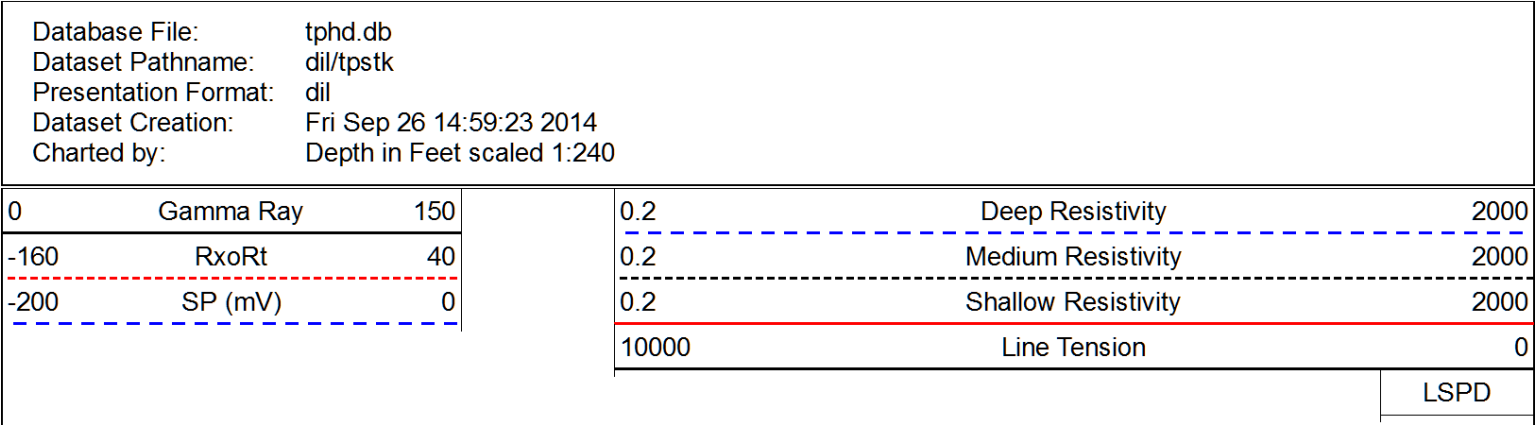
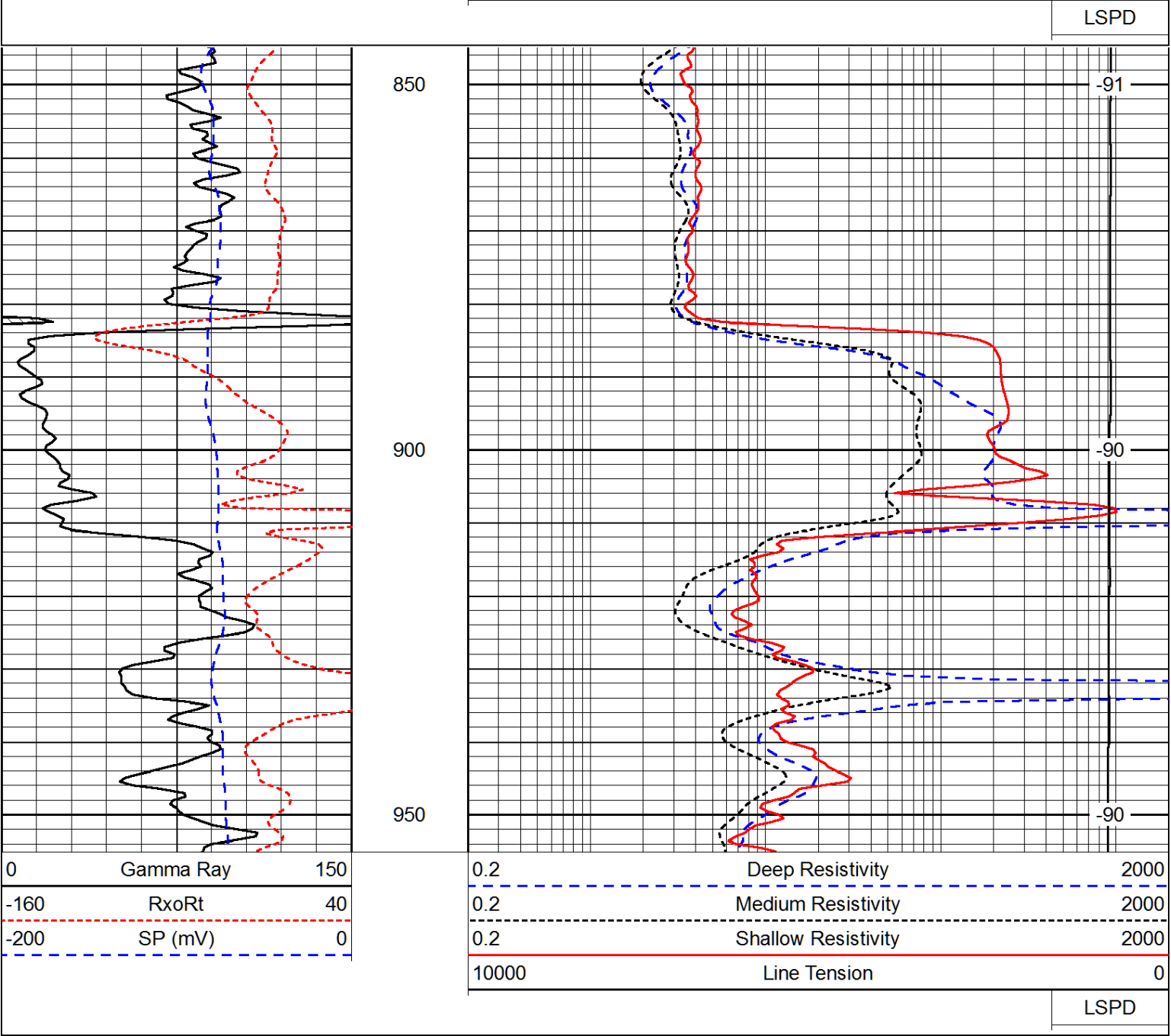


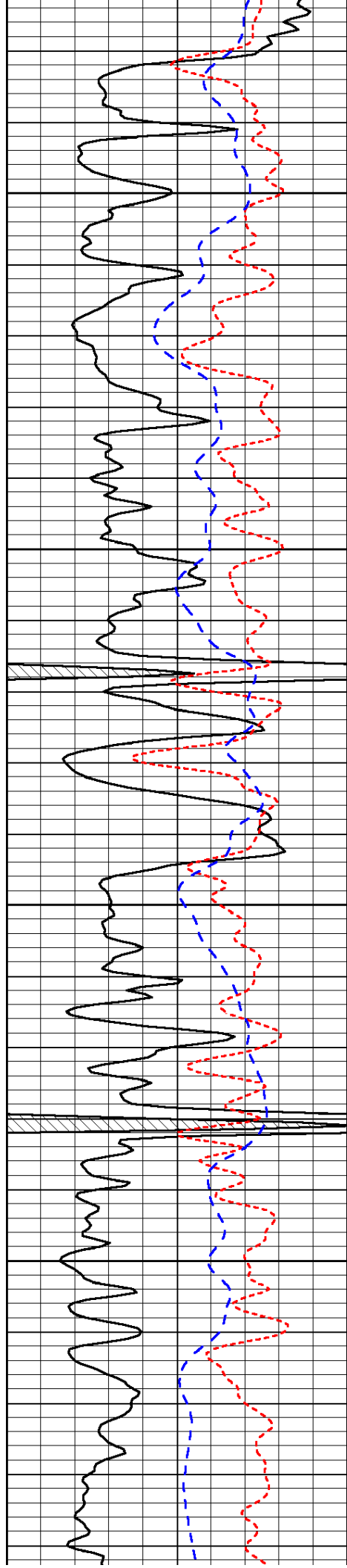




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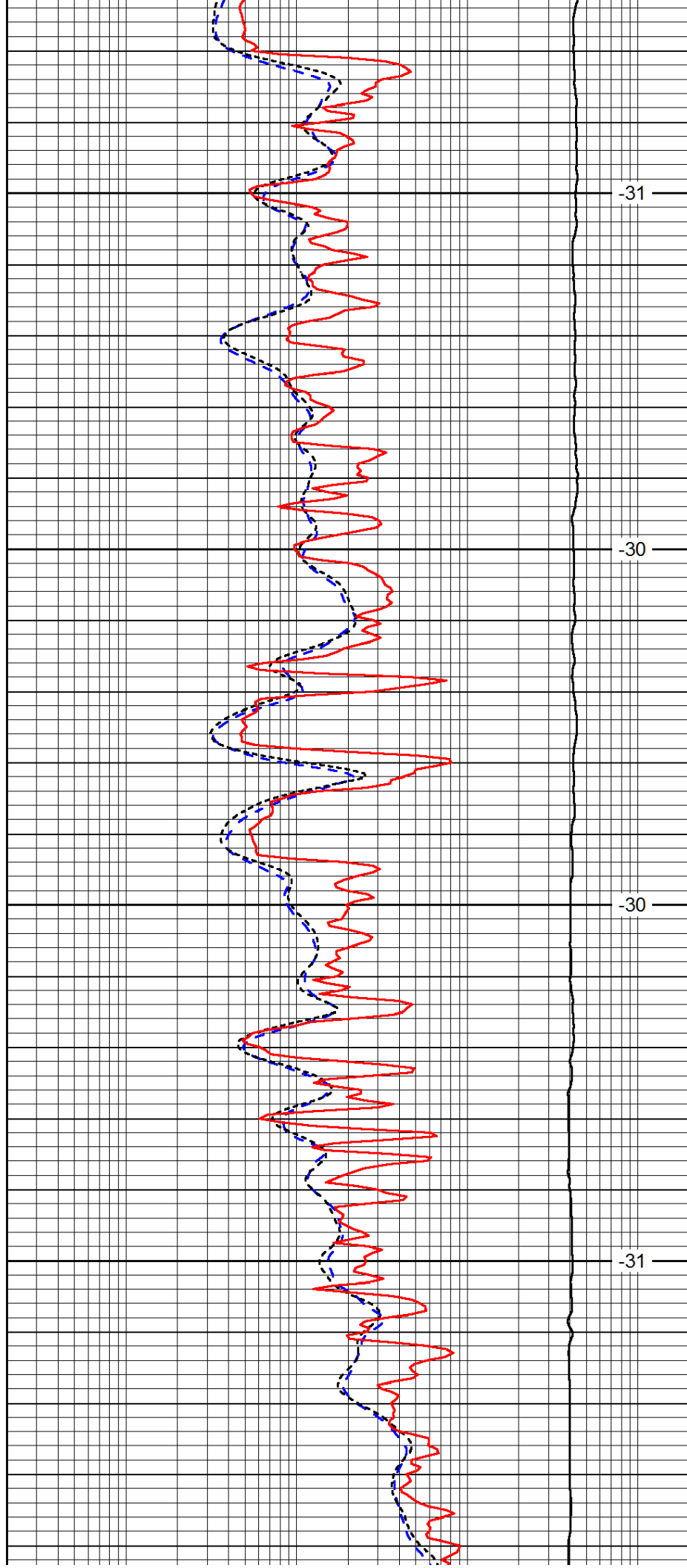


2850

2900

2950

3000

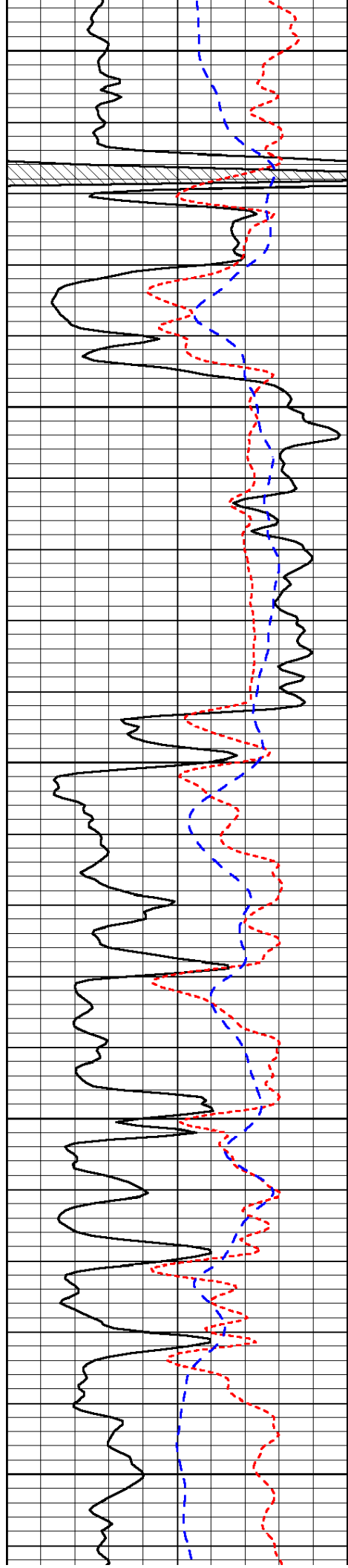


-31

-30

-30

-31



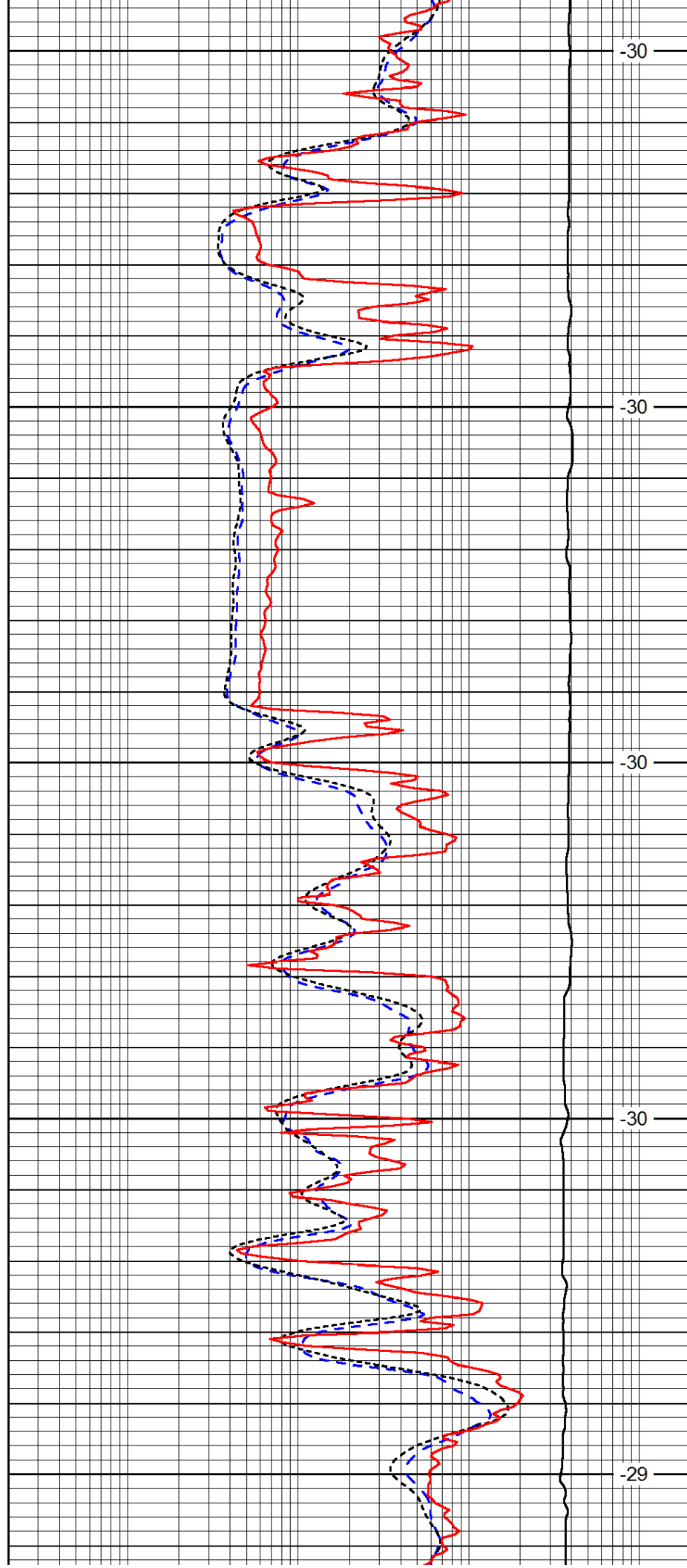
3050

3100

3150

3200

3250



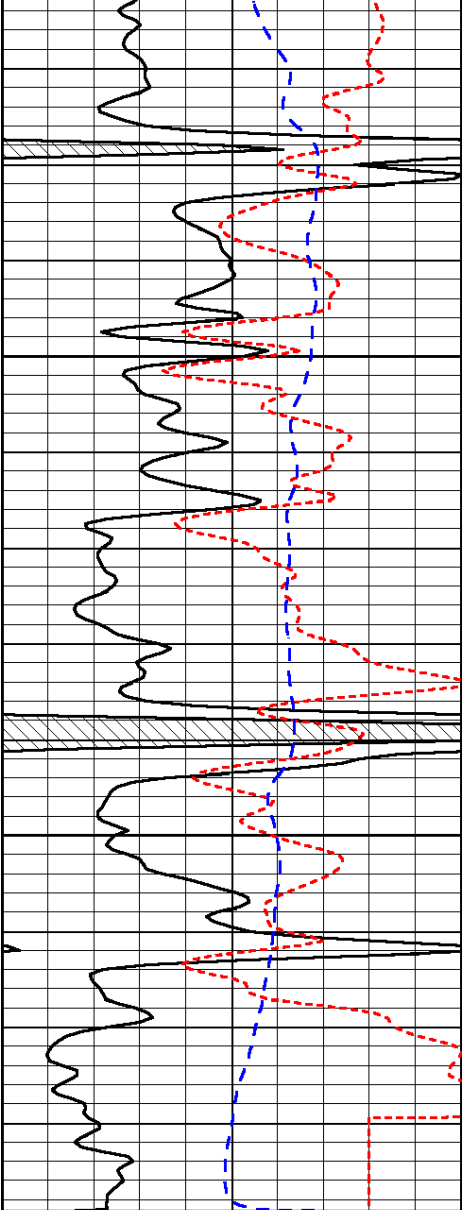
-30

-30

-30

-30

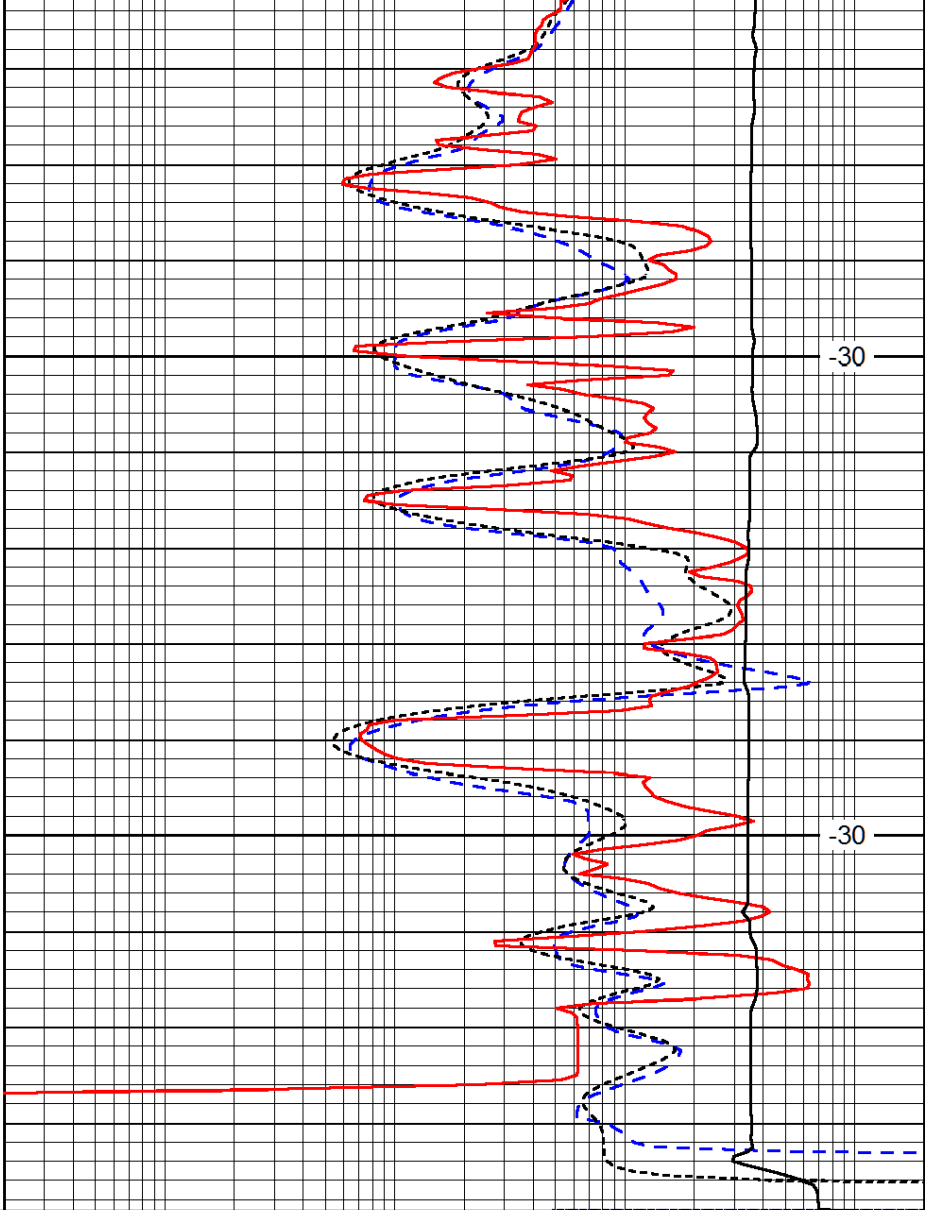
-29



3300

3350

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



-30

-30

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

LSPD