



Dual Induction Log

Pioneer Energy Services

API No.

15-167-24,006-00-00

Company John O Farmer, Inc.

Well Leas #1

Field Gorham

County Russell

State

Kansas

Location

375' FNL & 2160' FWL

Sec: 33

Twp: 13s

Rge: 15w

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 1909

8 Ft. Above Perm. Datum

Other Services
CNL/CDL
MEL
Elevation
K.B. 1917
D.F.
G.L. 1909

Date

10/6/2014

Run Number

One

Depth Driller

3410

Depth Logger

3410

Bottom Logged Interval

3409

Top Log Interval

500

Casing Driller

8.625 @ 515

Casing Logger

515

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3800

Density / Viscosity

9.4

54

pH / Fluid Loss

8.5

8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.85 @ 70

Rmf @ Meas. Temp

.64 @ 70

Rmc @ Meas. Temp

1.15 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

.54 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

D. Fischer

J. Long

Witnessed By

Austin Klaus

Comments

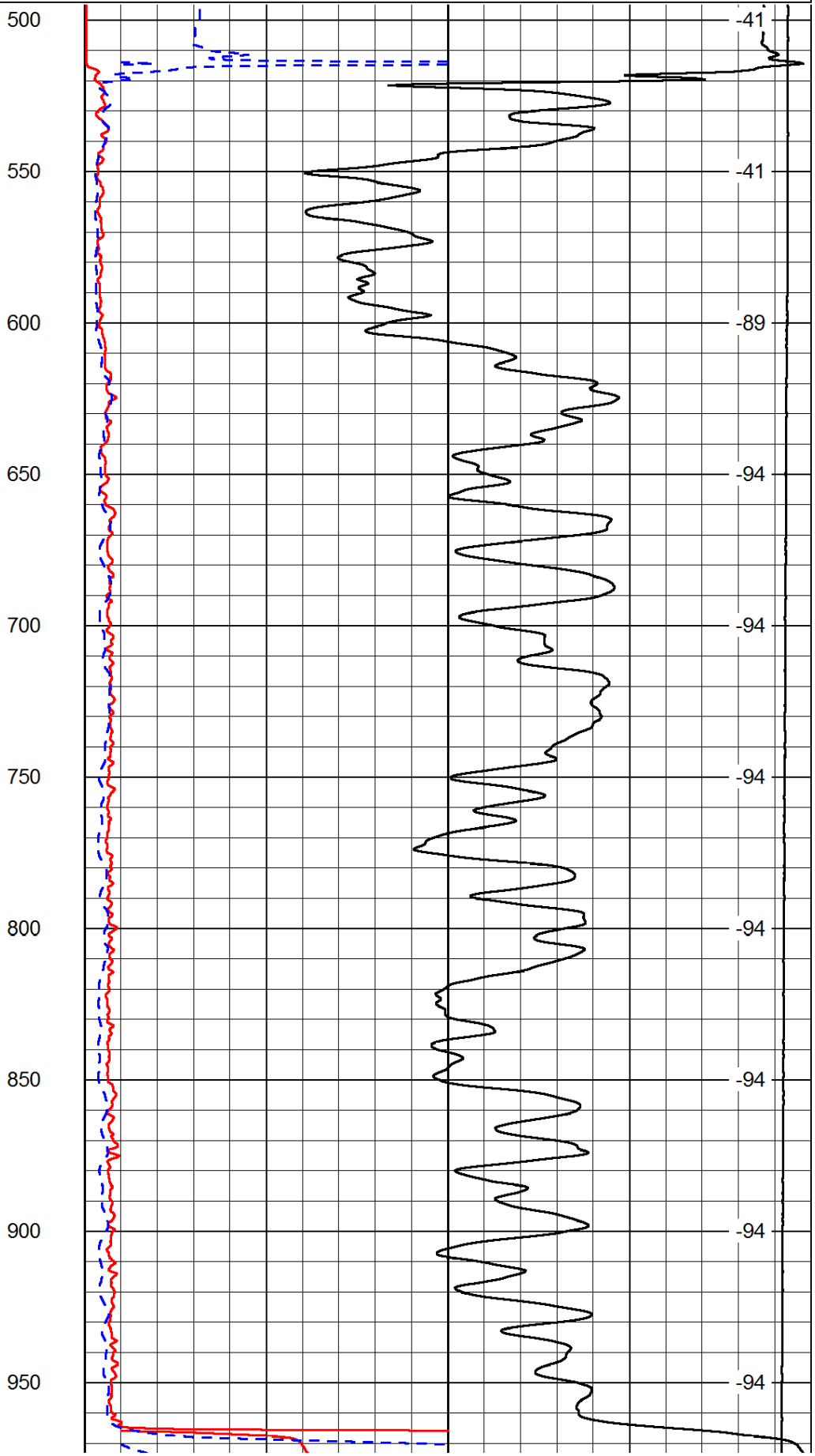
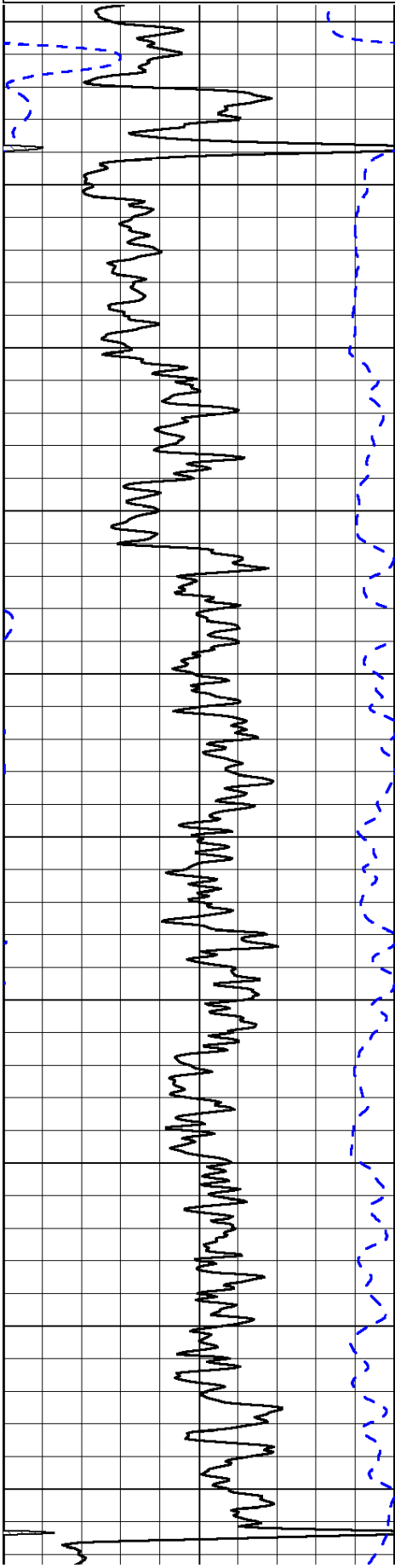
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

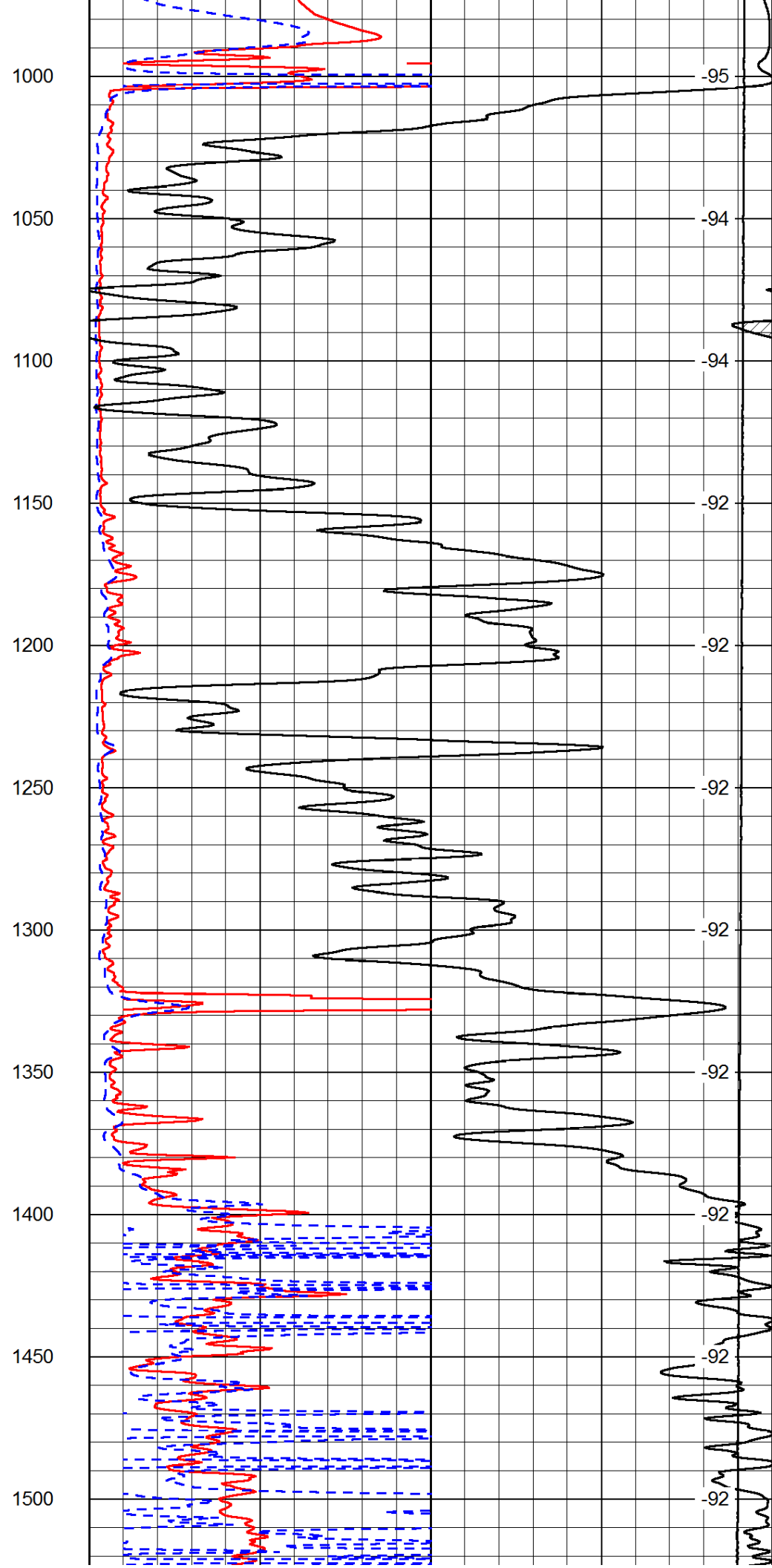
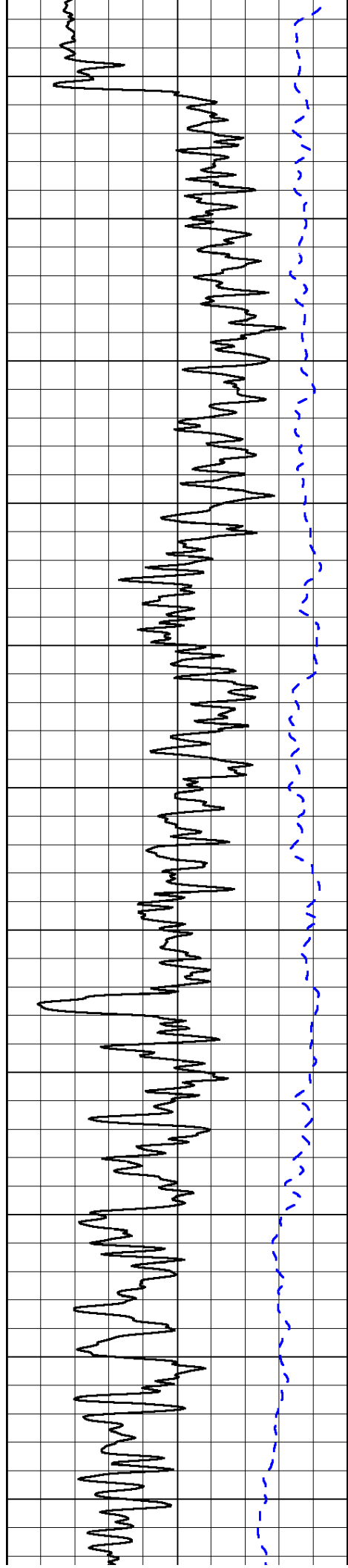
Gorham Ks., 1 1/4 East on Old 40 Hwy., South Into.

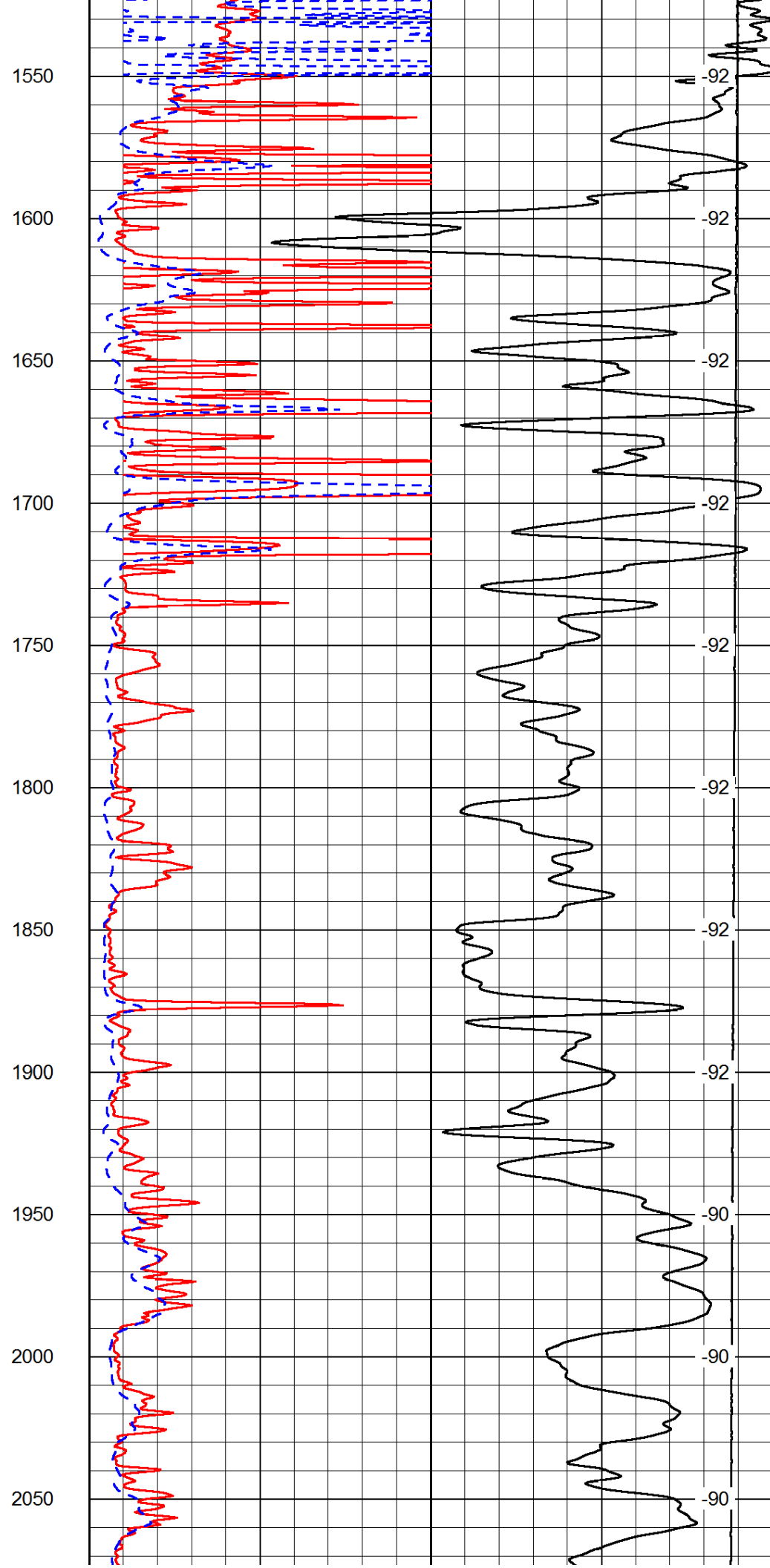
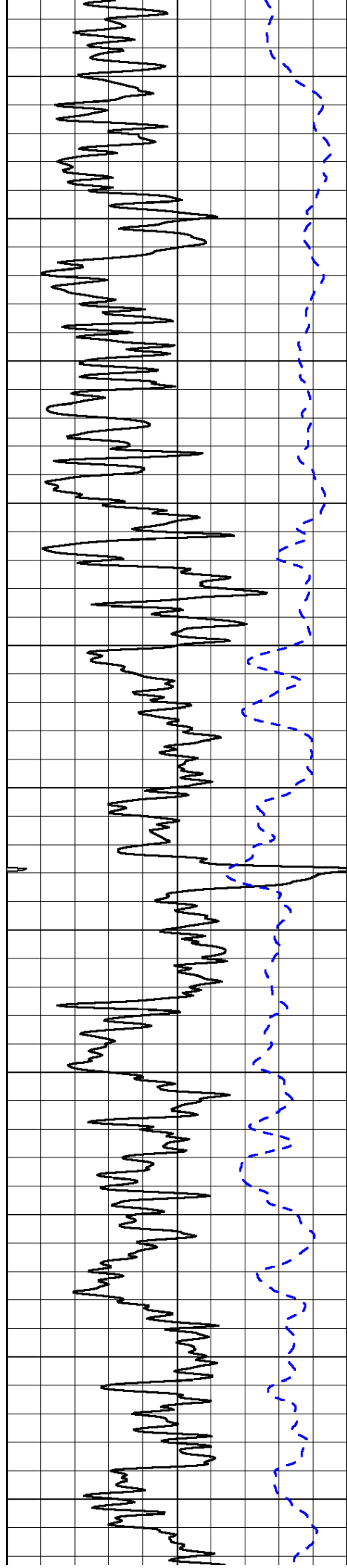
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Dataset Pathname: DIL\jofstck2
Presentation Format: dil2in
Dataset Creation: Mon Oct 06 06:15:35 2014
Charted by: Depth in Feet scaled 1:600

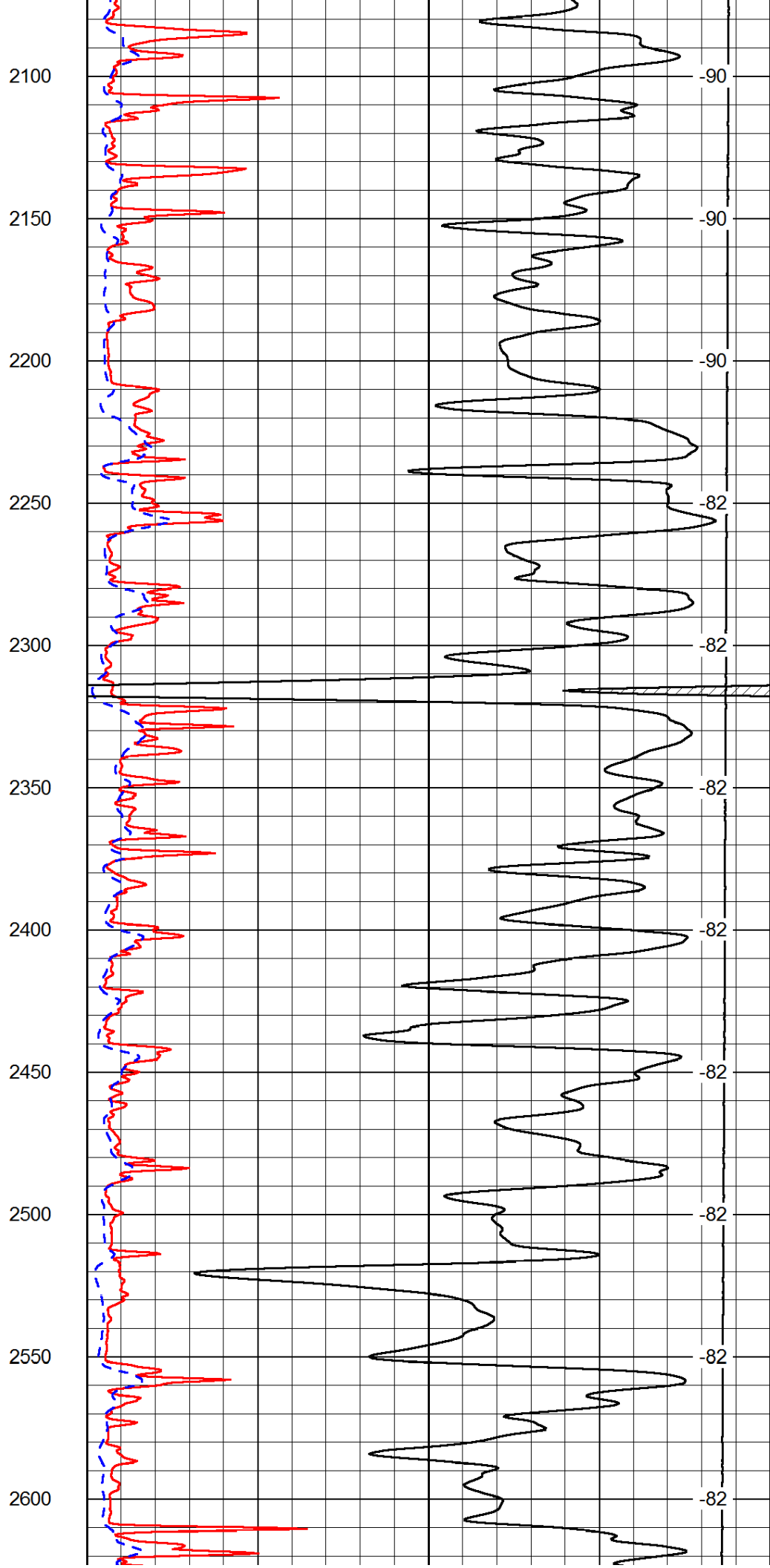
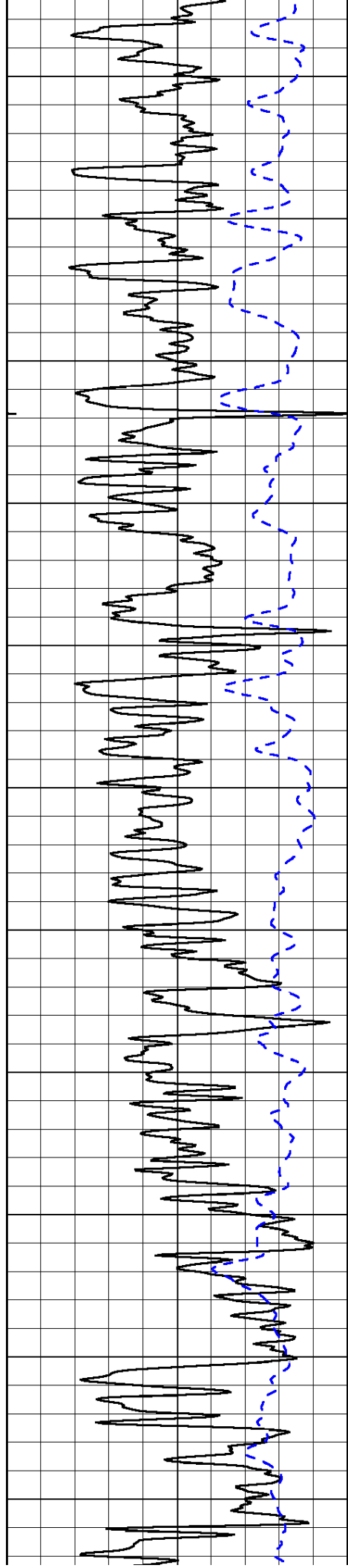
0	Gamma Ray	150
-200	SP (mV)	0

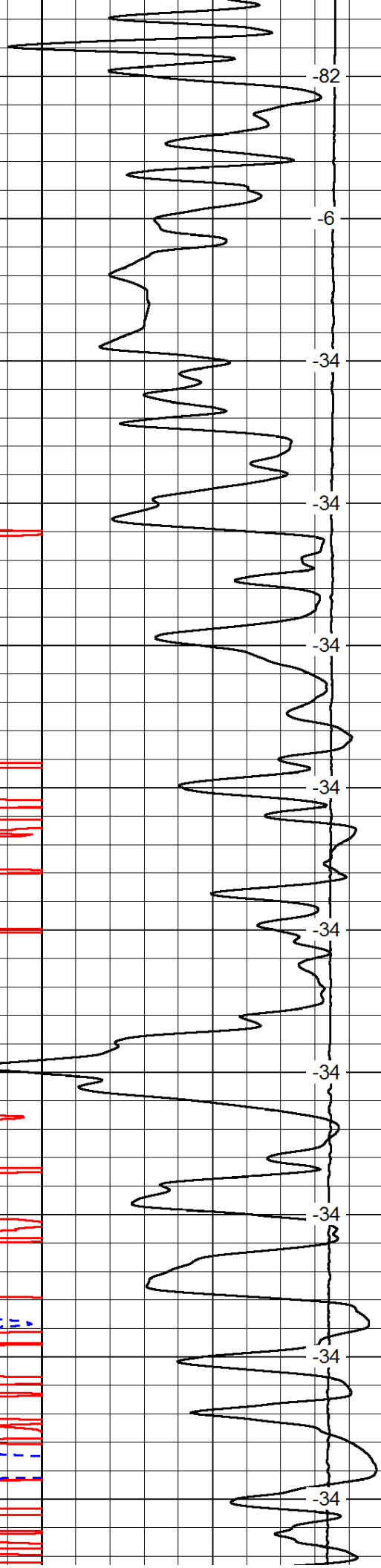
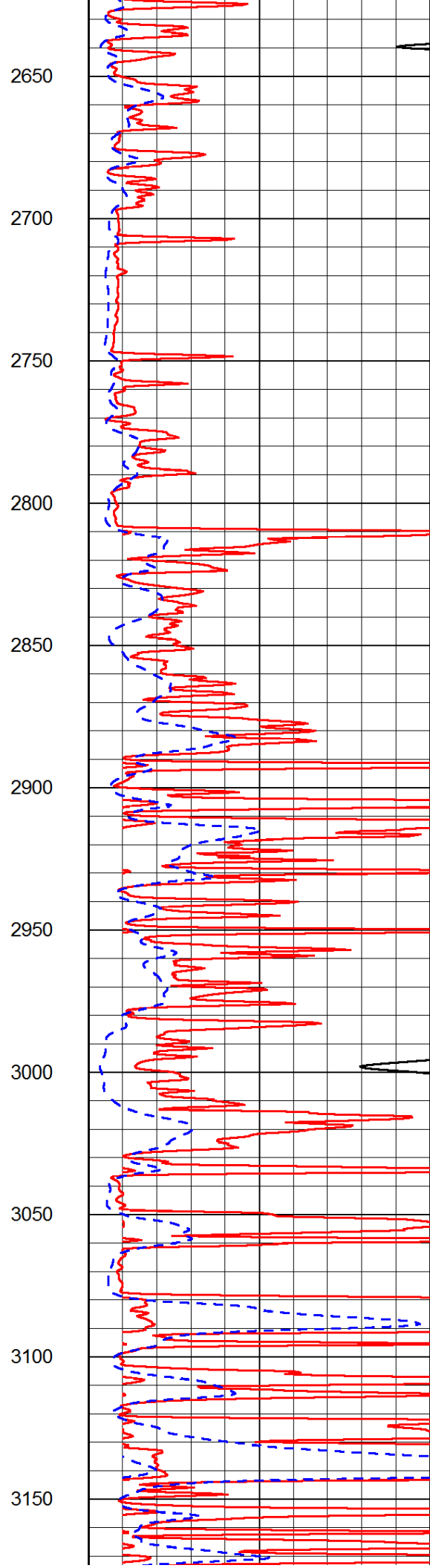
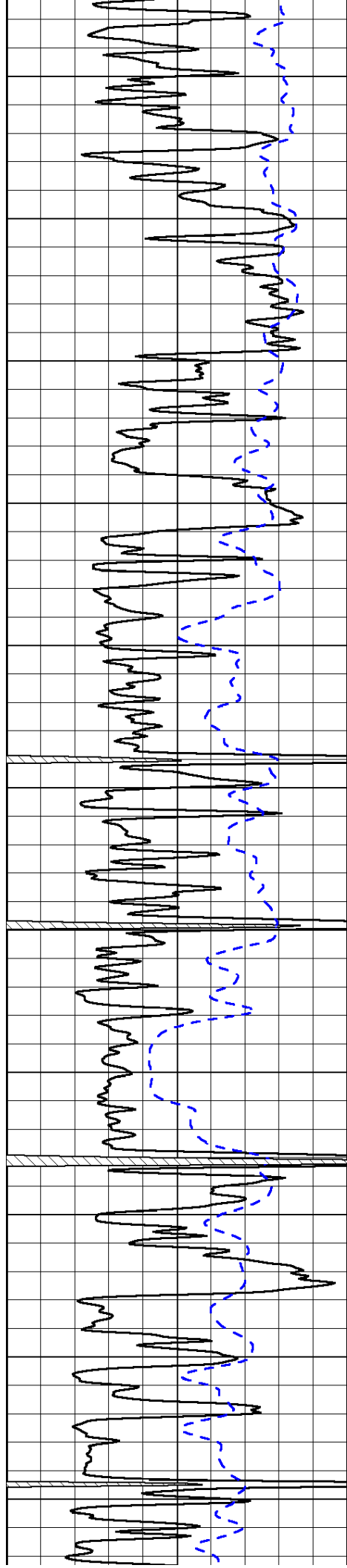
0	Shallow Resistivity	50
0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0
50	Shallow Resistivity	500
50	Deep Resistivity	500

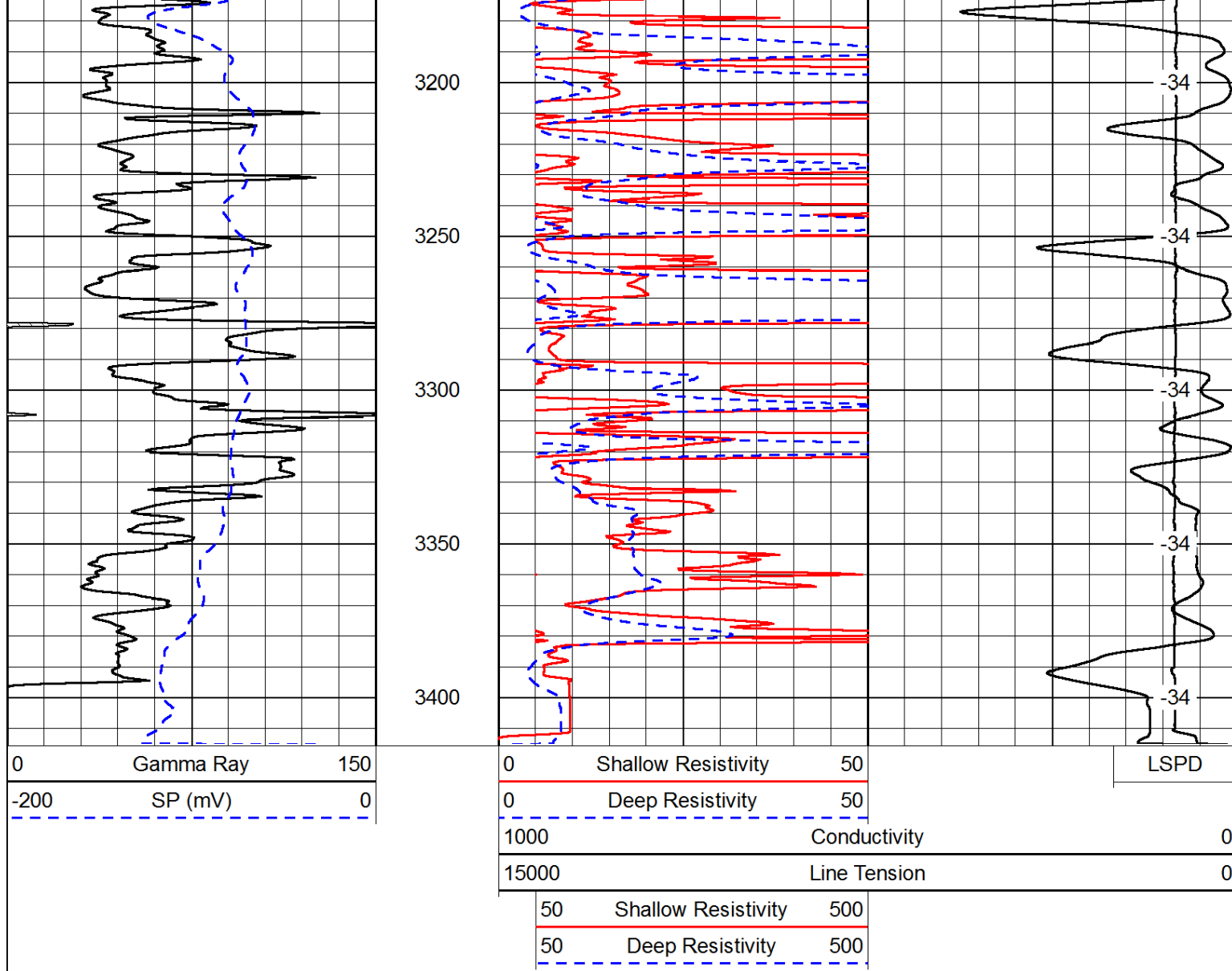




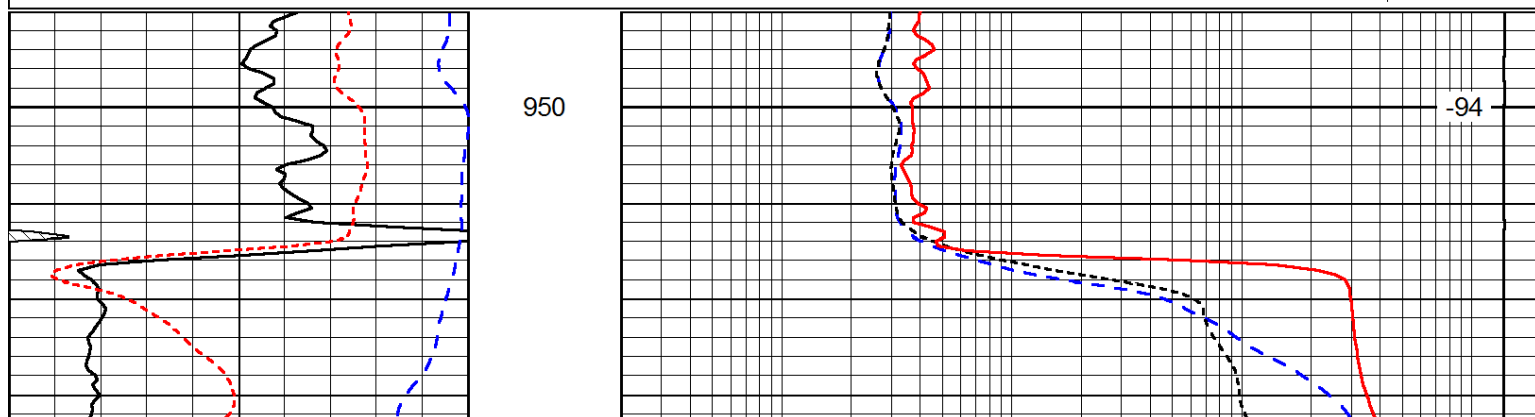
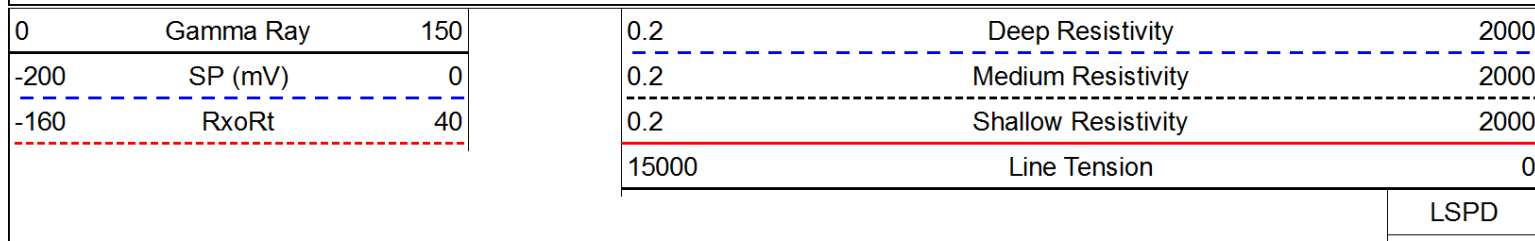


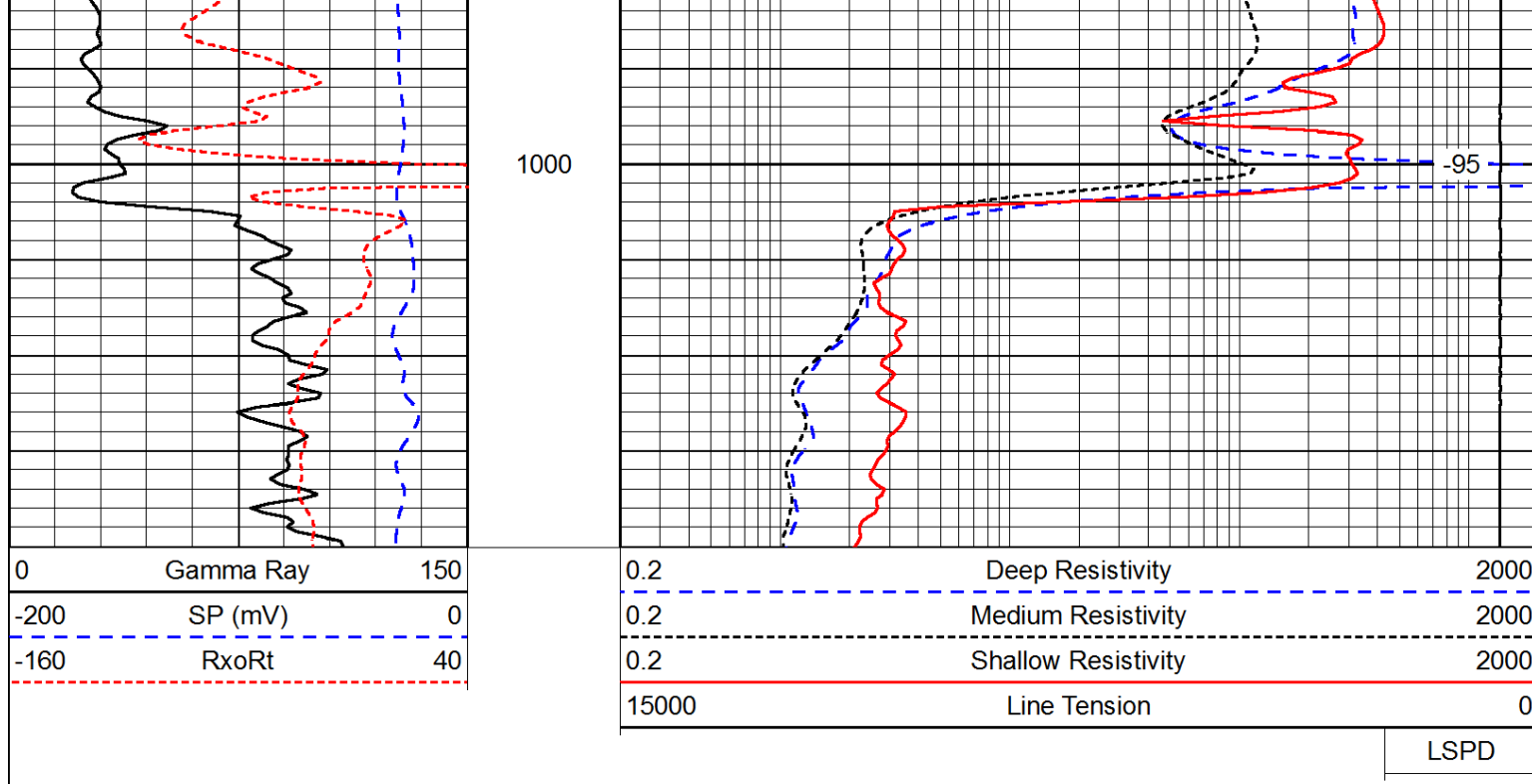




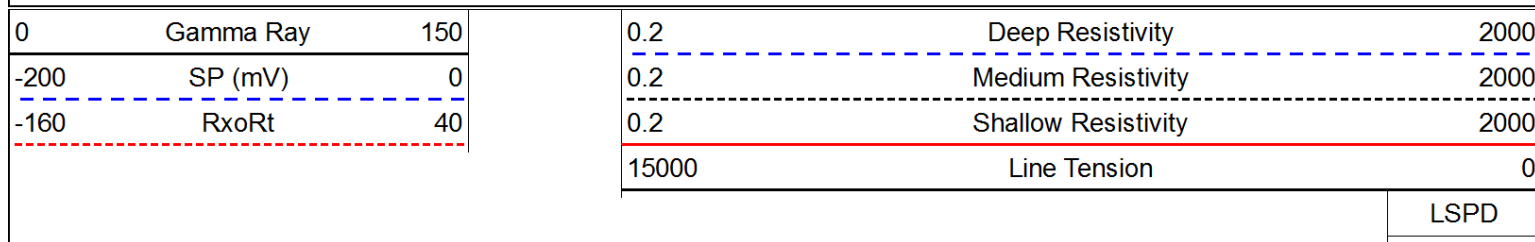


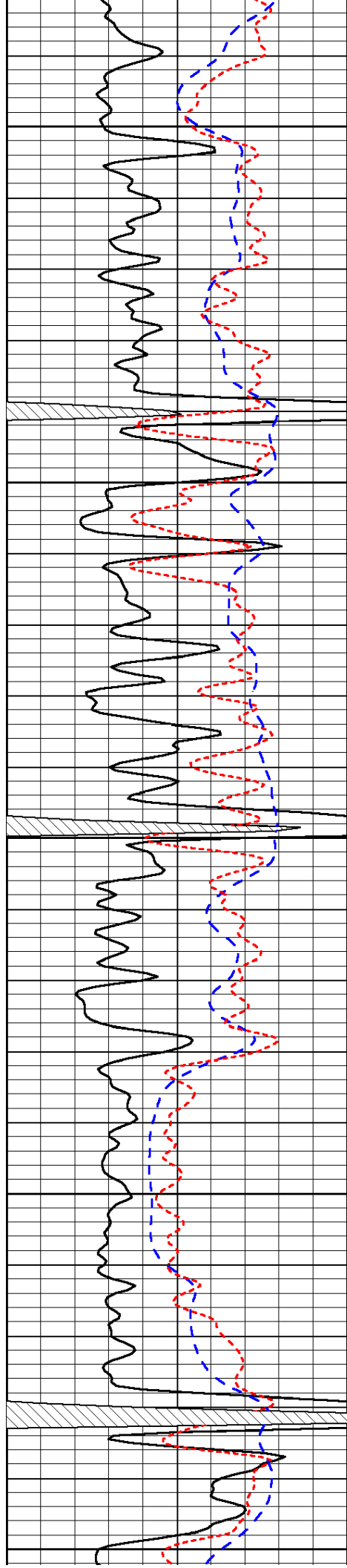
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 Presentation Format: dil
 Dataset Creation: Mon Oct 06 06:15:35 2014
 Charted by: Depth in Feet scaled 1:240



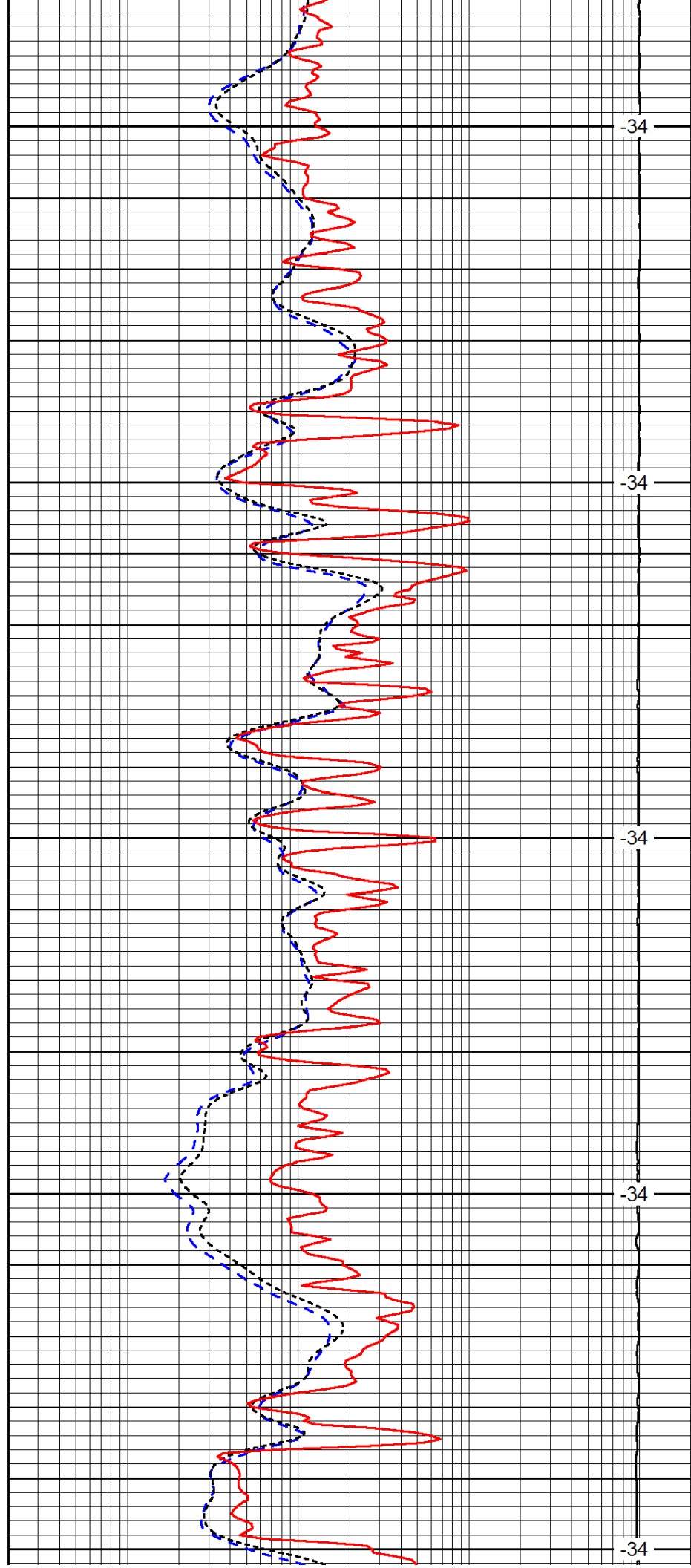


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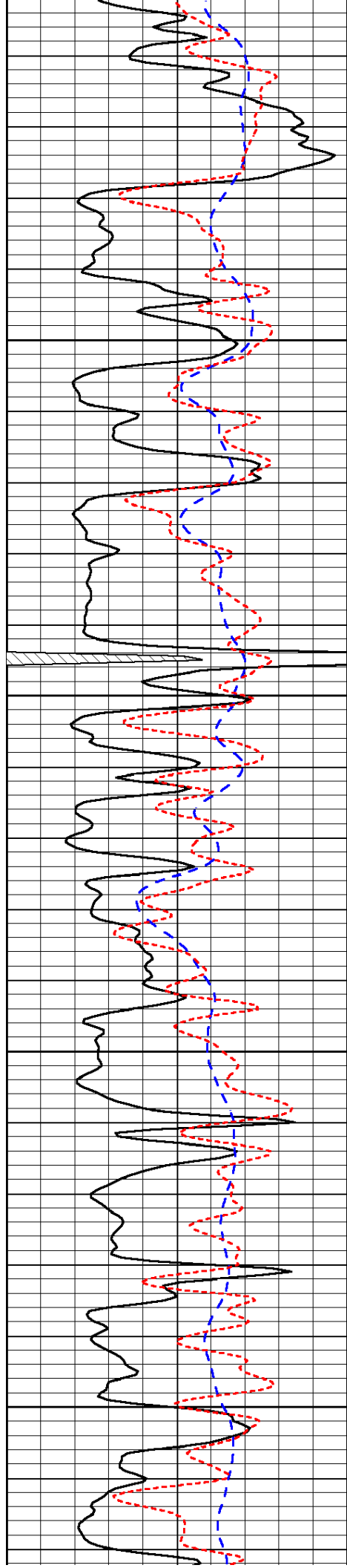




2850
2900
2950
3000
3050



-34
-34
-34
-34
-34

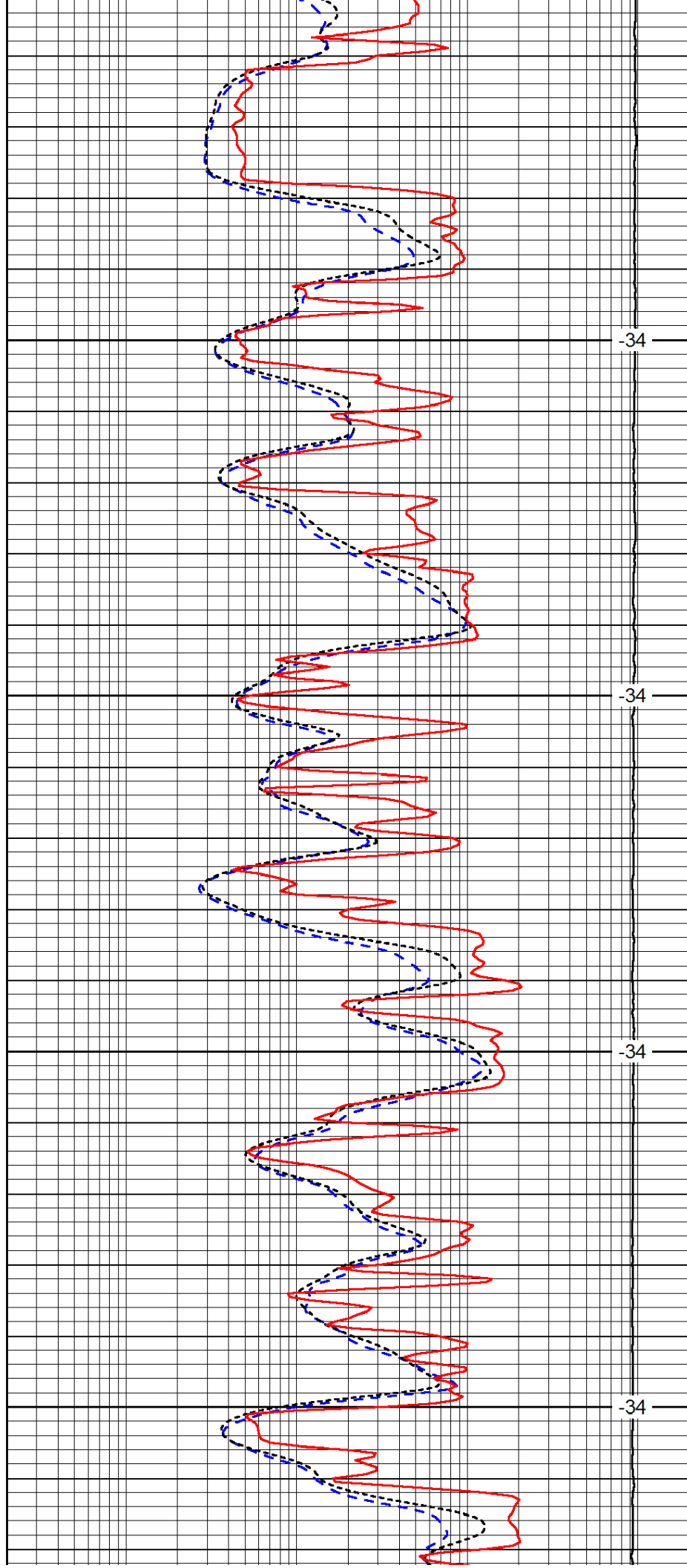


3100

3150

3200

3250

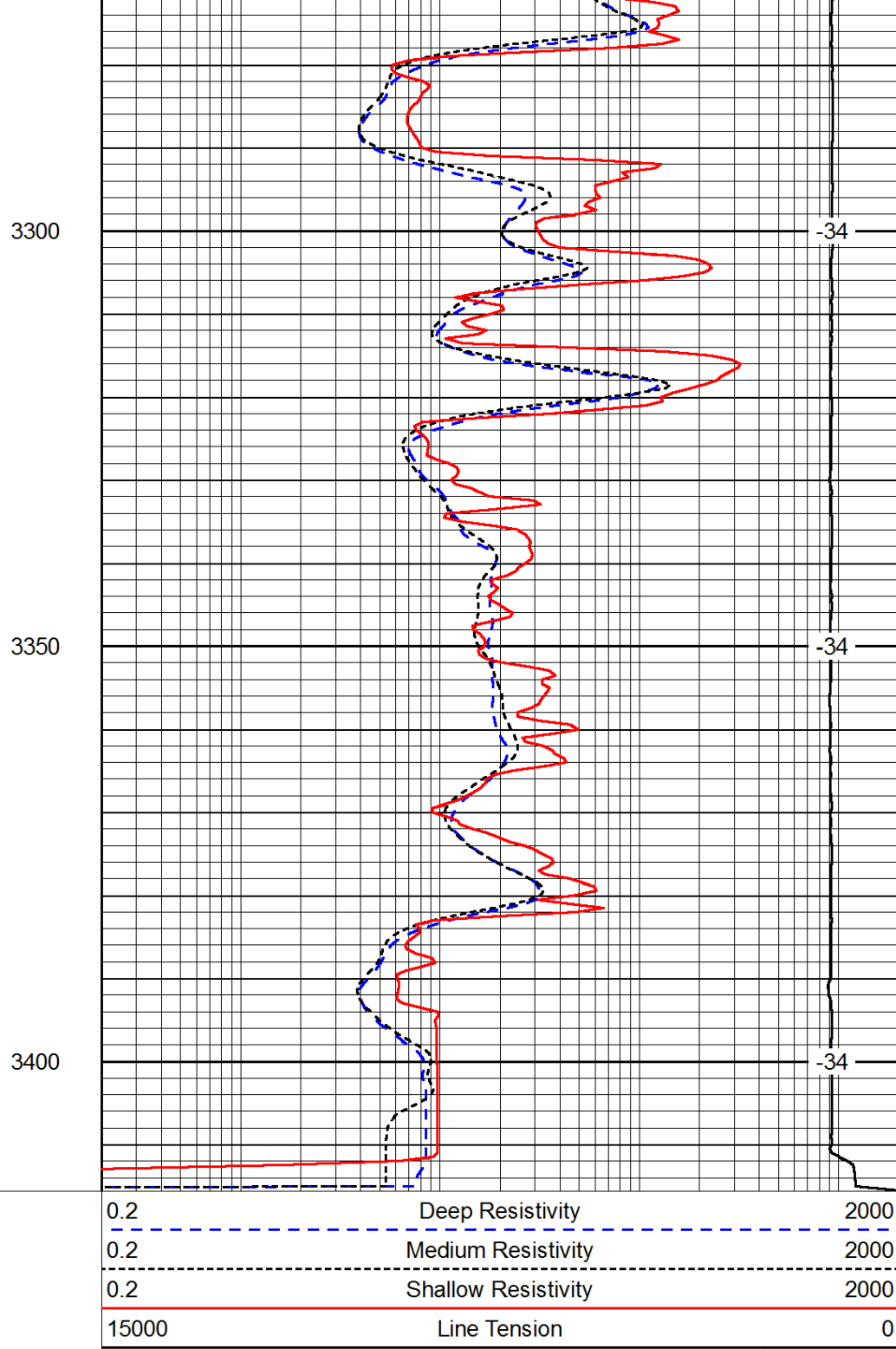
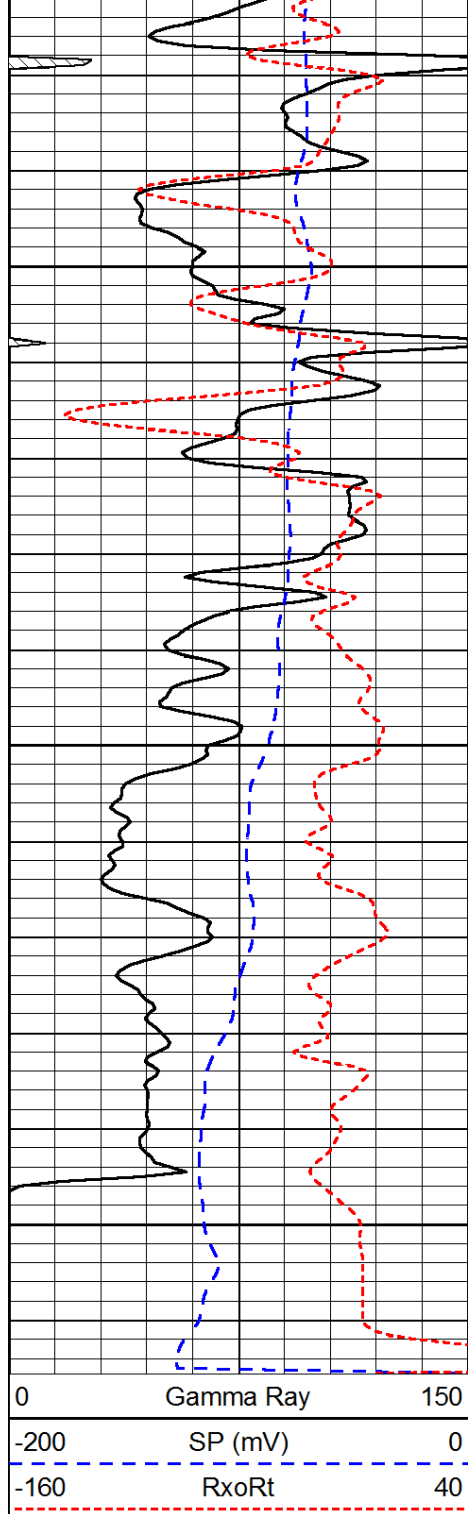


-34

-34

-34

-34



LSPD