



Radiation Guard Log

Pioneer Energy Services

API No.

15-009-26-049-00-00

Company Zinszer Oil Company, Inc.

Well Frees / Burmeister #14

Field Kraft-Prusa

County Barton State Kansas

Location

E2-W2-NE-NE
660' FNL & 825' FEL

Other Services
MEL

Sec: 3

Twp: 17S

Rge: 11W

Elevation

K.B. 1945
D.F. 1937
G.L. 1937

Permanent Datum Ground Level Elevation 1937
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 11/11/2014

Run Number One

Depth Driller 3363

Depth Logger 3360

Bottom Logged Interval 3359

Top Log Interval 750

Casing Driller 8.625 @ 760

Casing Logger 760

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5.000

Density / Viscosity 9.3 49

pH / Fluid Loss 9.0 8.8

Source of Sample Flowline

Rm @ Meas. Temp .56 @ 41

Rmf @ Meas. Temp .42 @ 41

Rmc @ Meas. Temp .75 @ 41

Source of Rmf / Rmc Charts

Rm @ BHT .21 @ 110

Operating Rig Time 4 Hours

Max Rec. Temp. F 110

Equipment Number 10

Location Hays

Recorded By J. Henrickson

Witnessed By Steve Reed

<<< Fold Here >>>

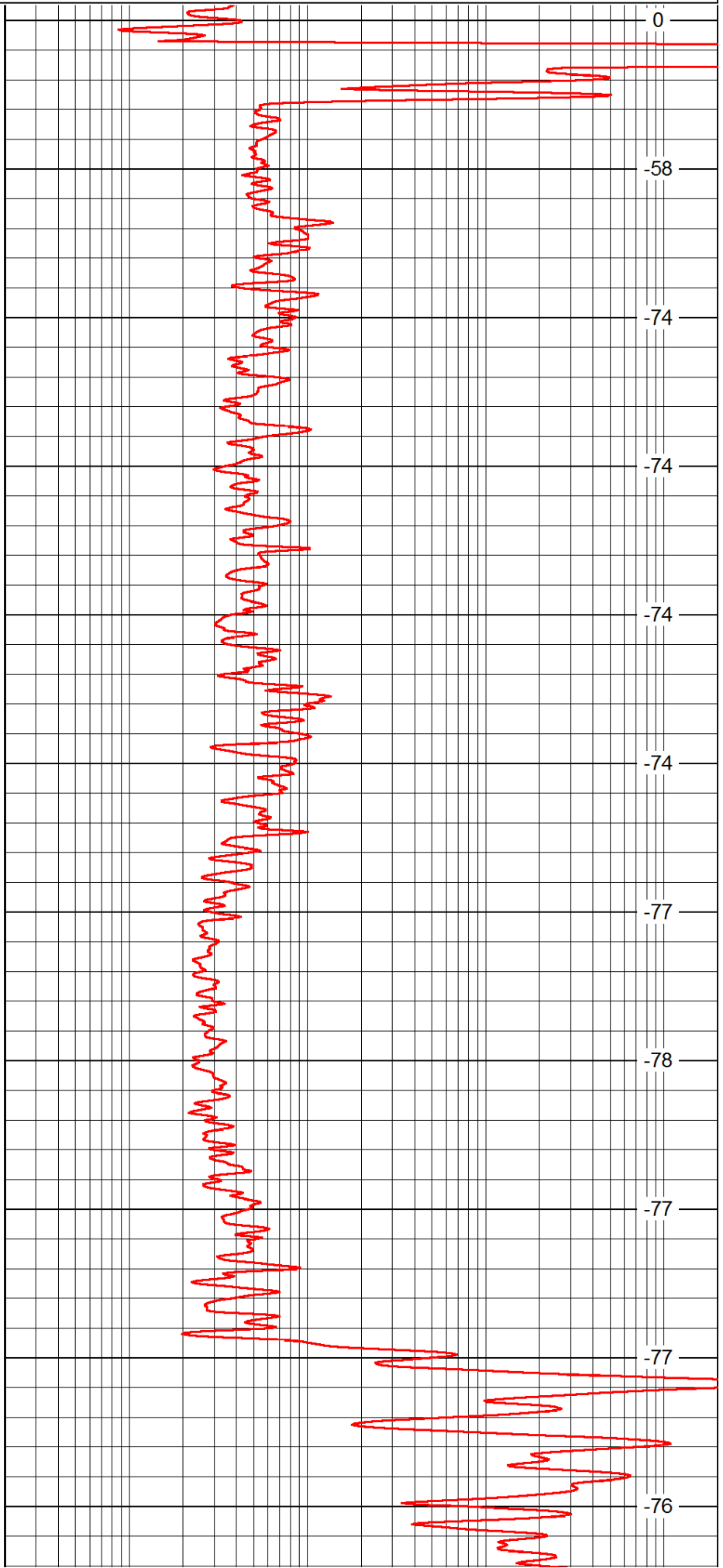
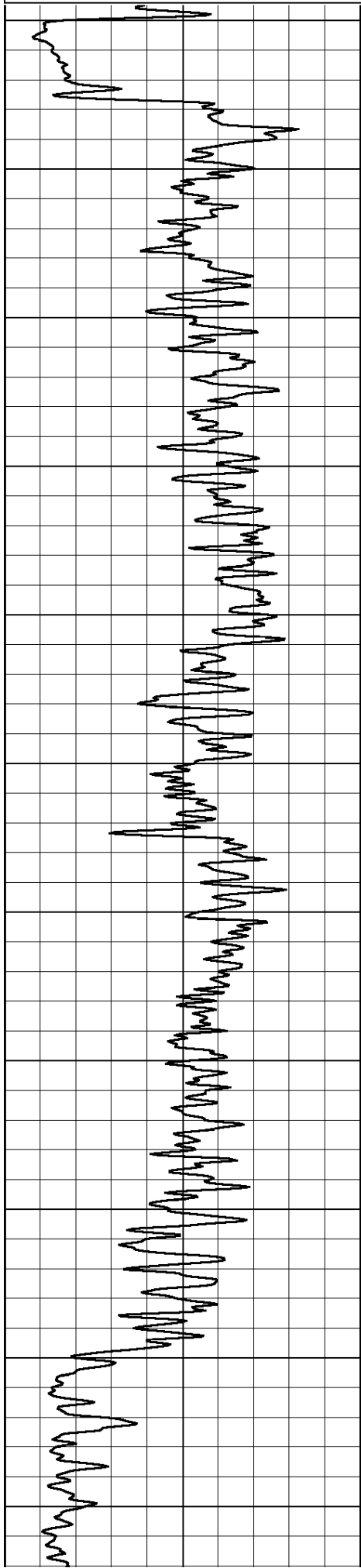
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

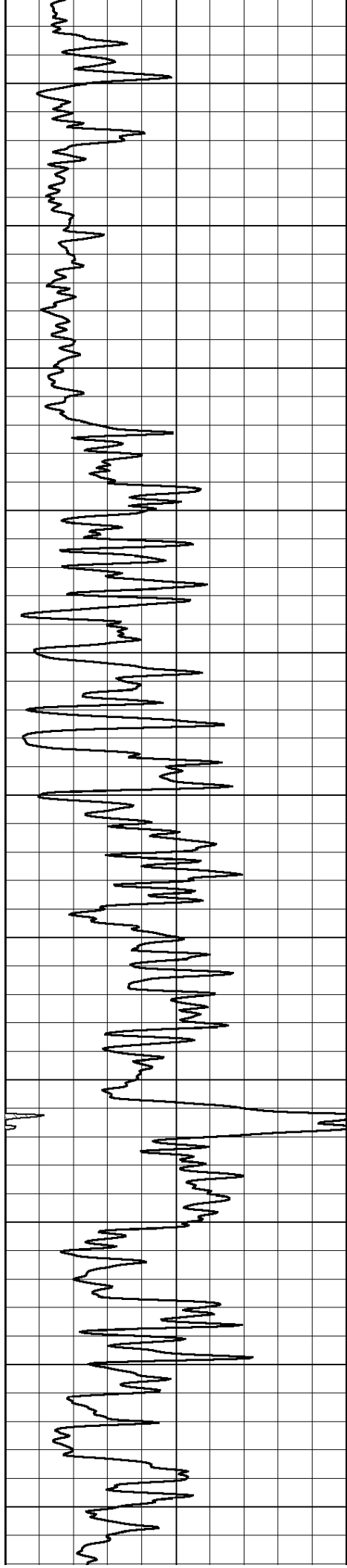
Comments

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

Wilson Kansas
South to 170 Rd, 2 1/4 West, South Into

Database File: c:\warrior\data\zinszer_frees-burmeister #14\zinszer_frees_burmeister_14hd.db
Dataset Pathname: RAG/zinrag
Presentation Format: rag2in
Dataset Creation: Tue Nov 11 21:17:52 2014
Charted by: Depth in Feet scaled 1:600





1300

1350

1400

1450

1500

1550

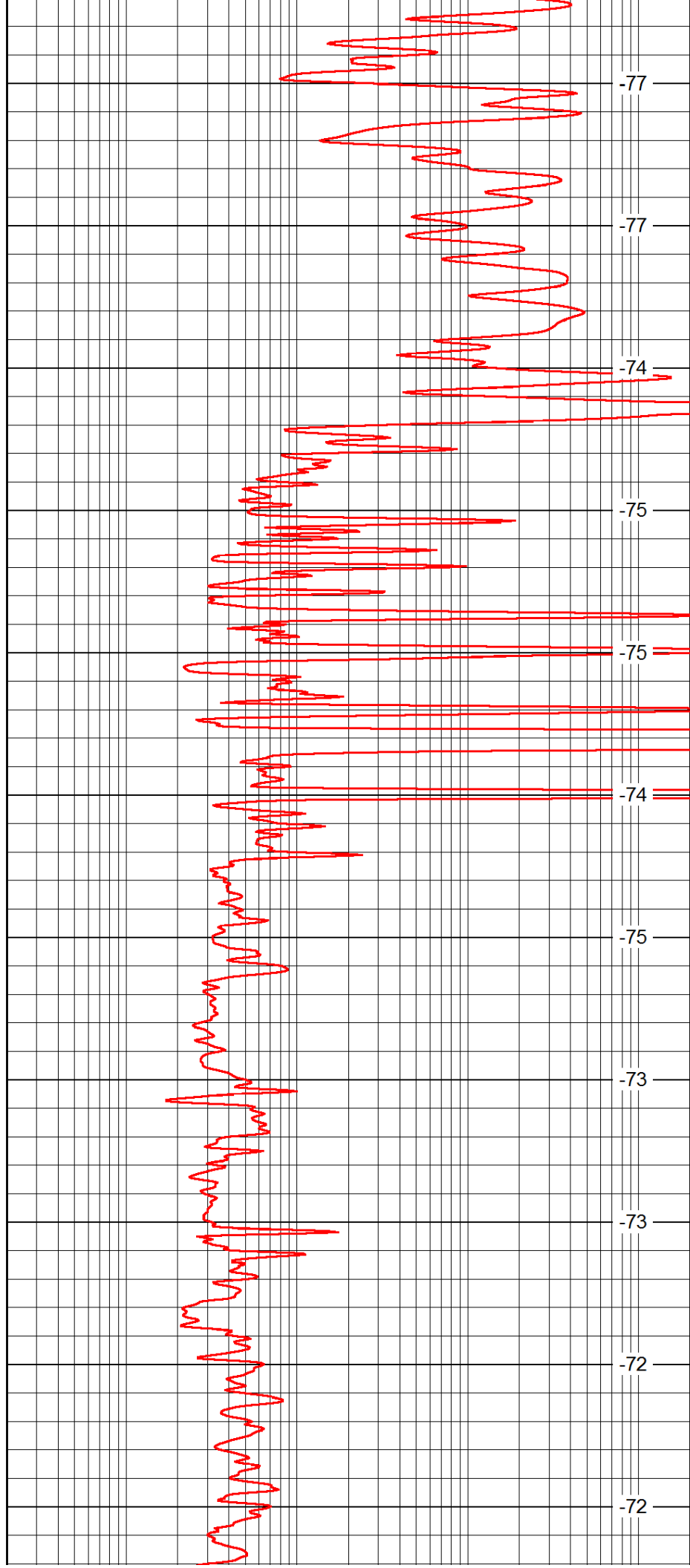
1600

1650

1700

1750

1800



-77

-77

-74

-75

-75

-74

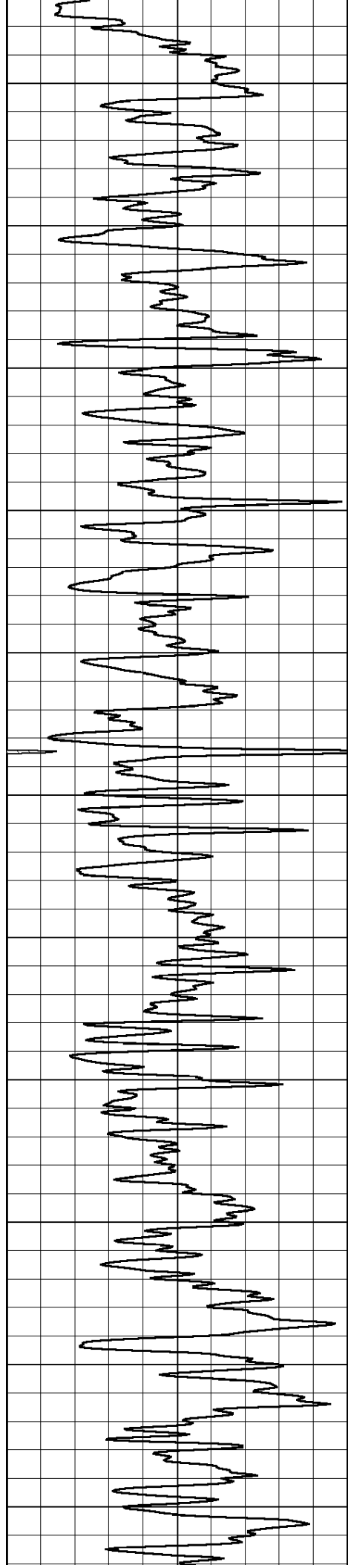
-75

-73

-73

-72

-72



1850

1900

1950

2000

2050

2100

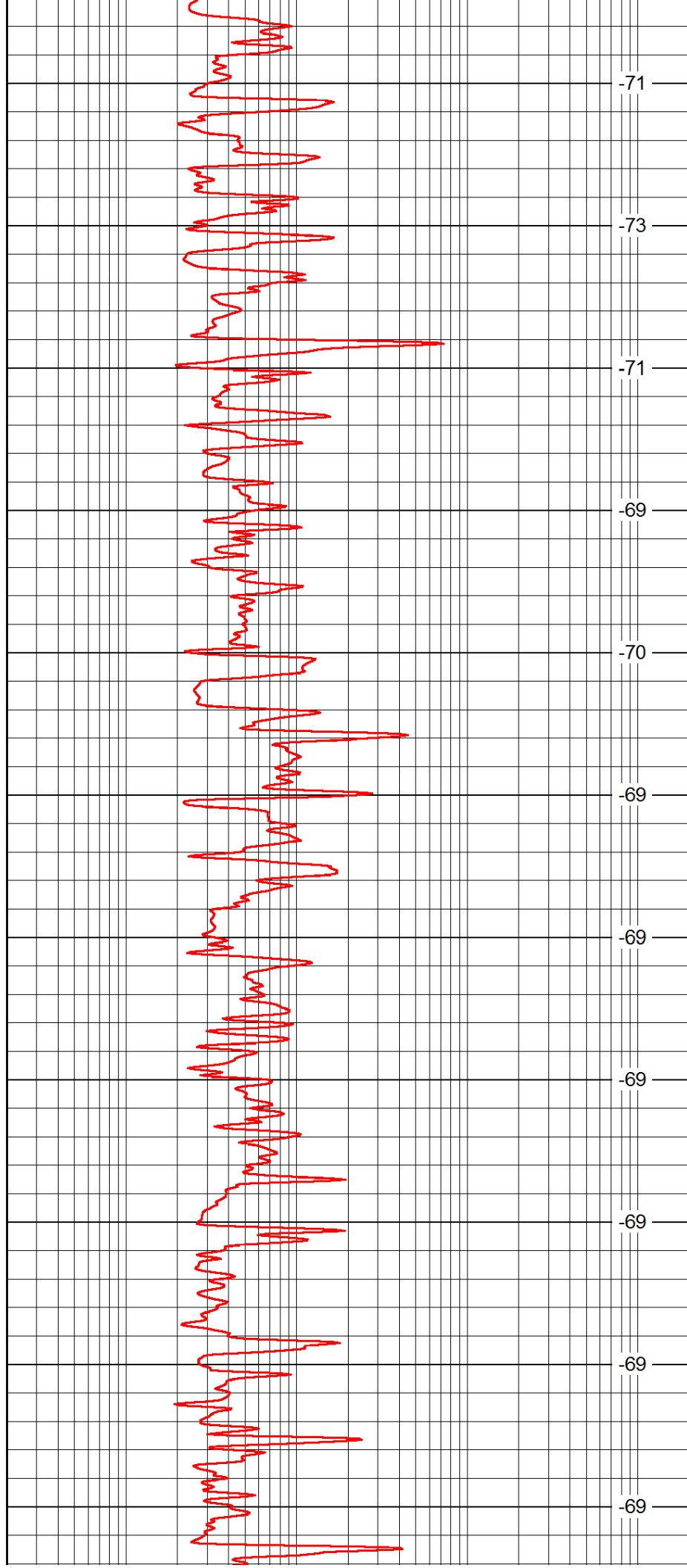
2150

2200

2250

2300

2350



-71

-73

-71

-69

-70

-69

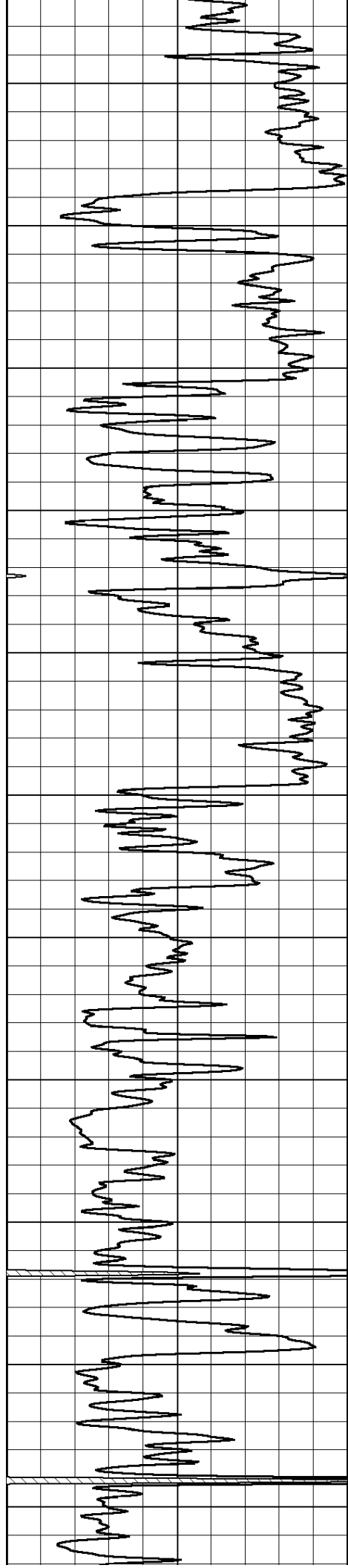
-69

-69

-69

-69

-69



2400

2450

2500

2550

2600

2650

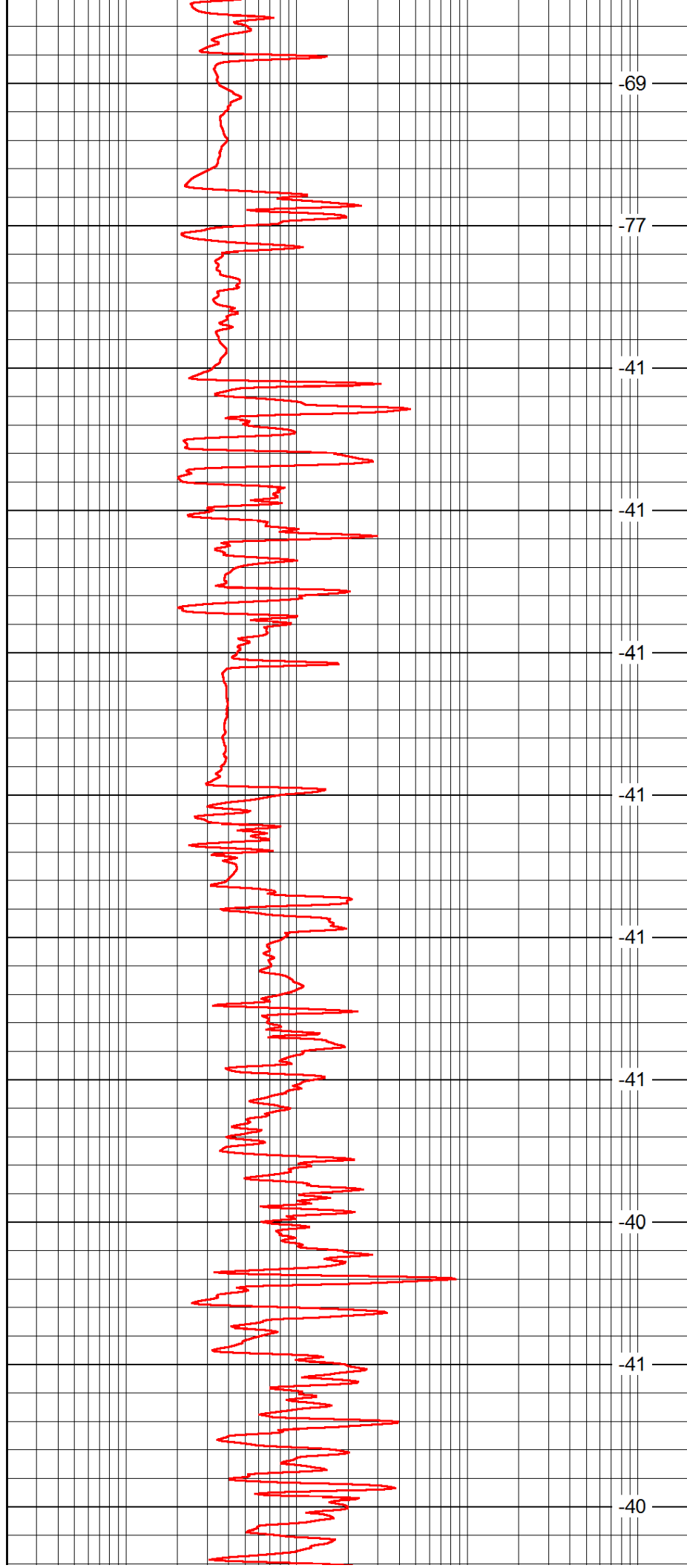
2700

2750

2800

2850

2900



-69

-77

-41

-41

-41

-41

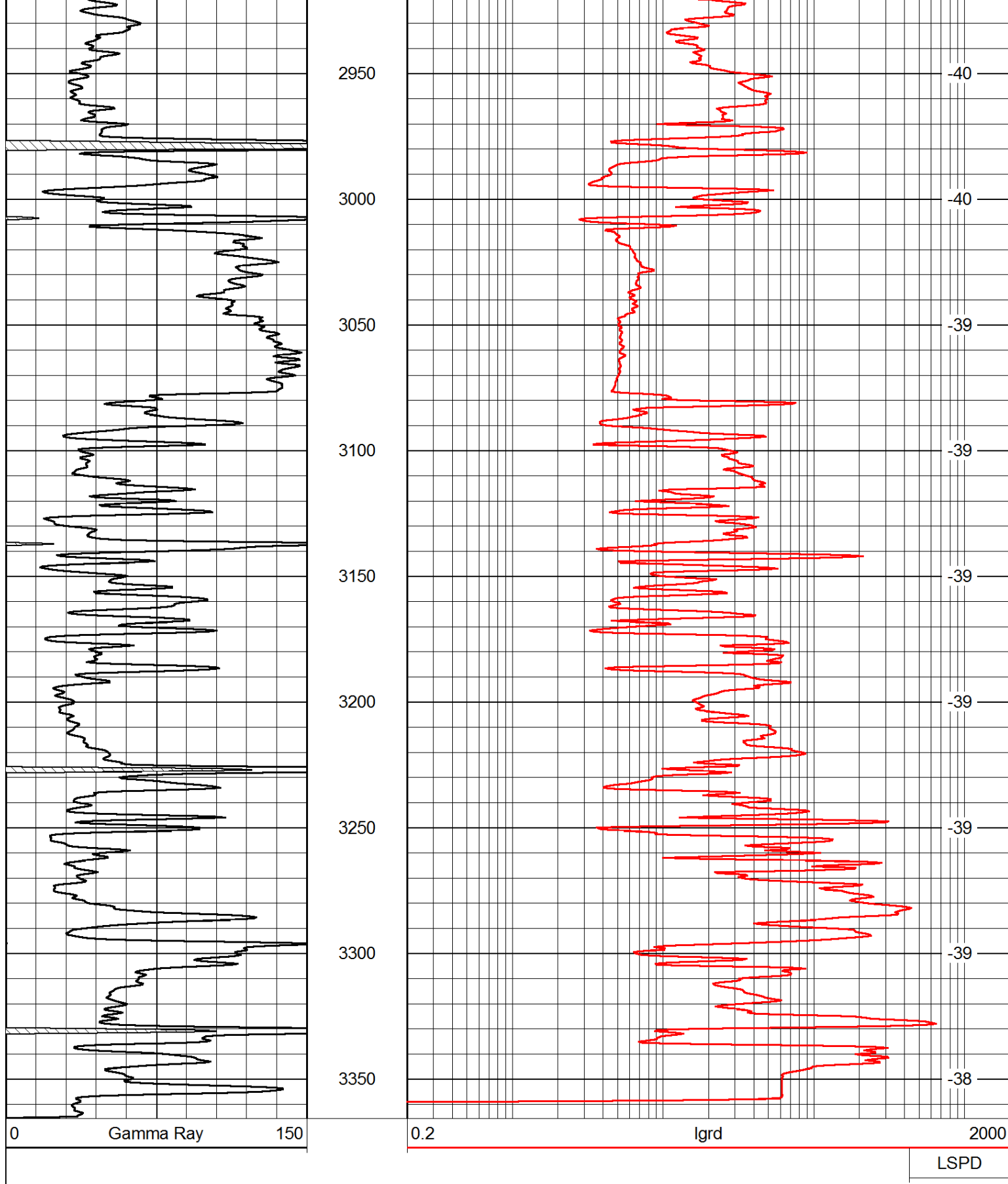
-41

-41

-40

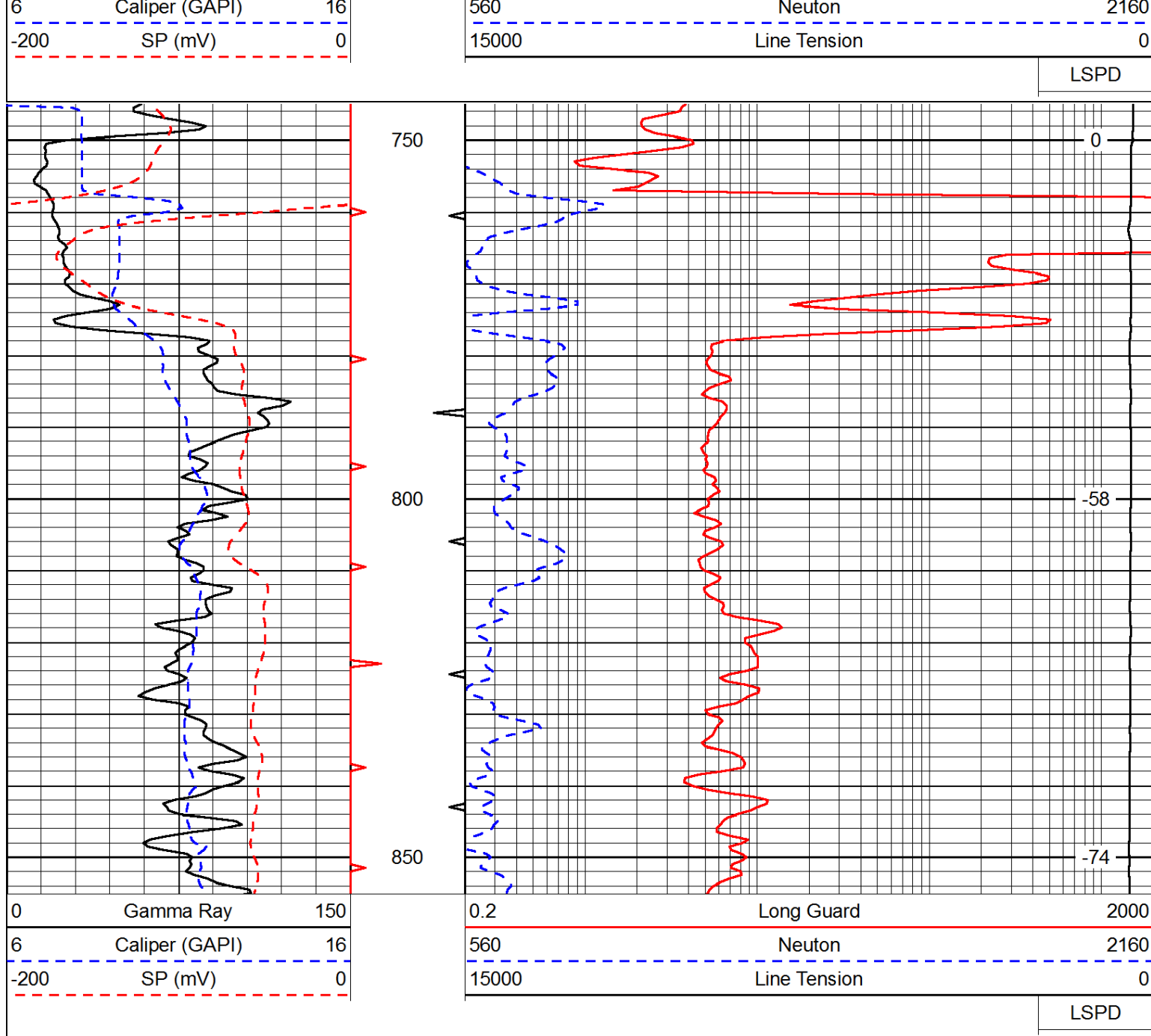
-41

-40

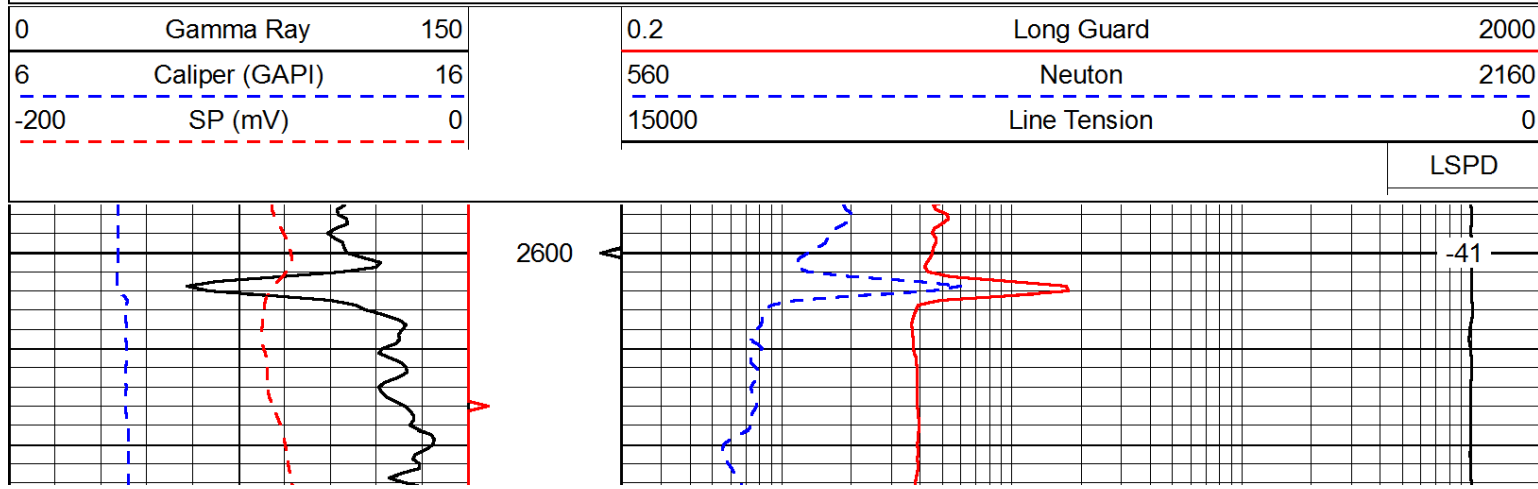


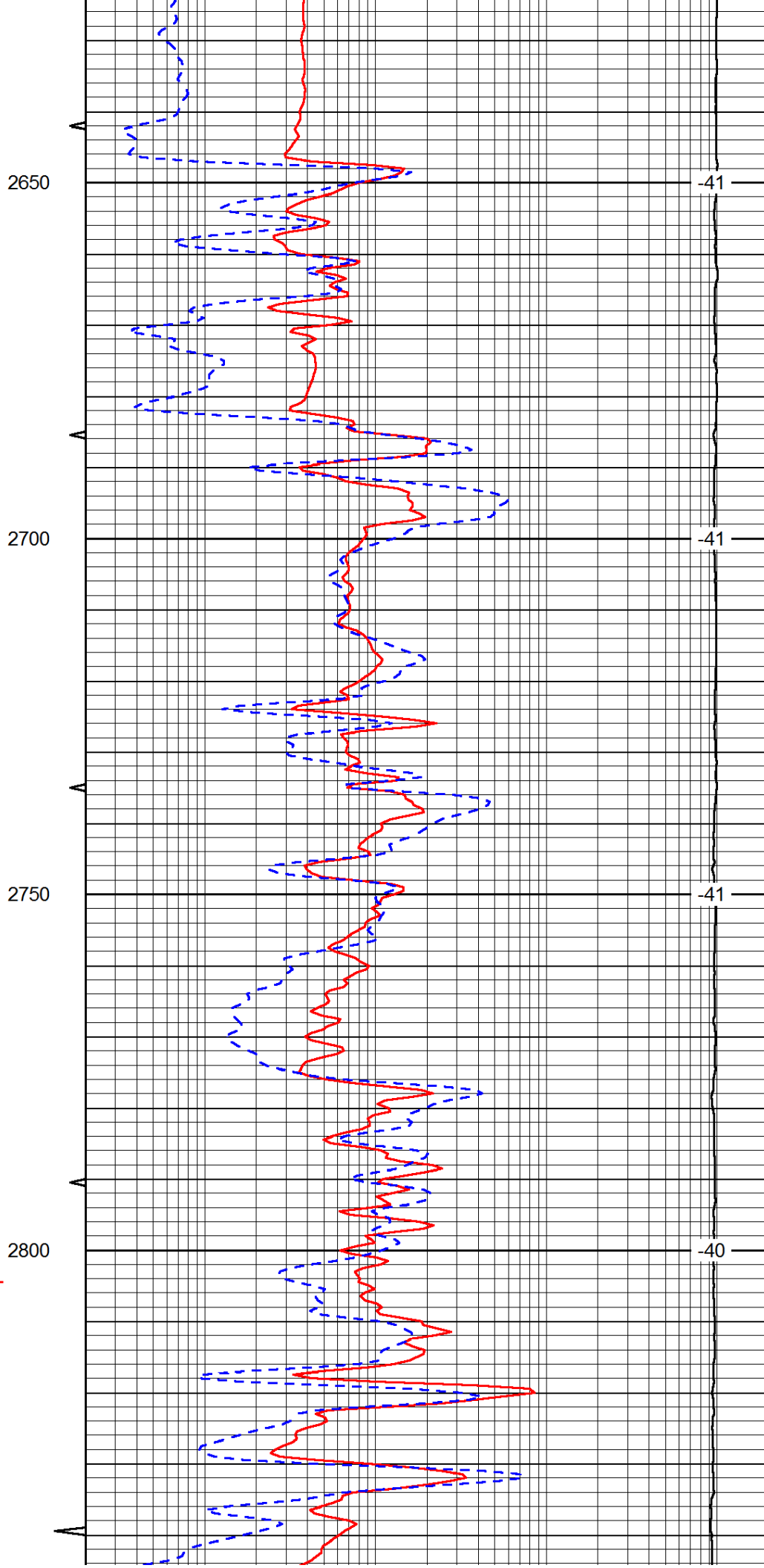
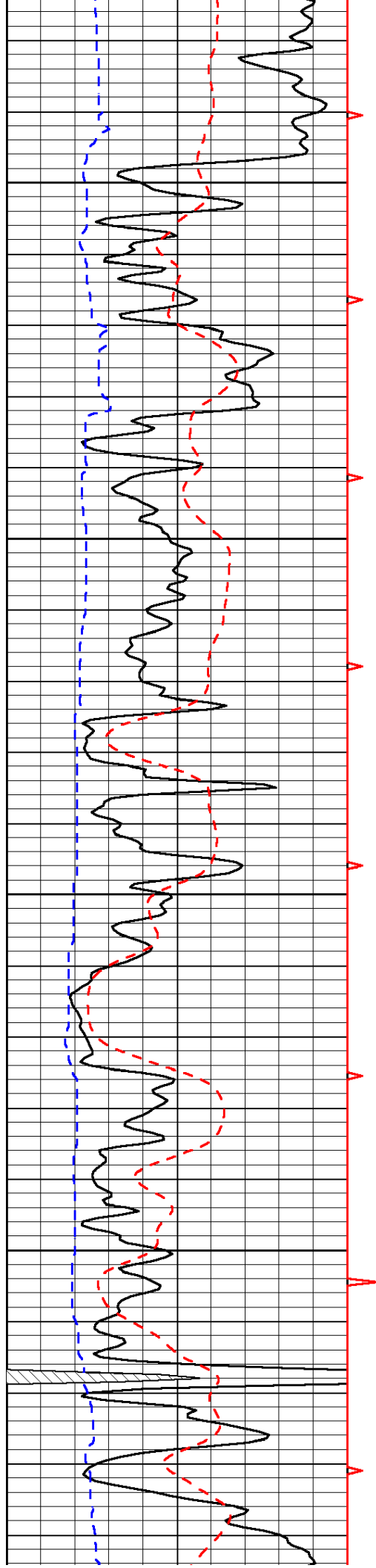
Database File: c:\warrior\data\zinszer_frees-burmeister #14\zinszer_frees_burmeister_14hd.db
Dataset Pathname: RAG/zinrag
Presentation Format: rag
Dataset Creation: Tue Nov 11 21:17:52 2014
Charted by: Depth in Feet scaled 1:240

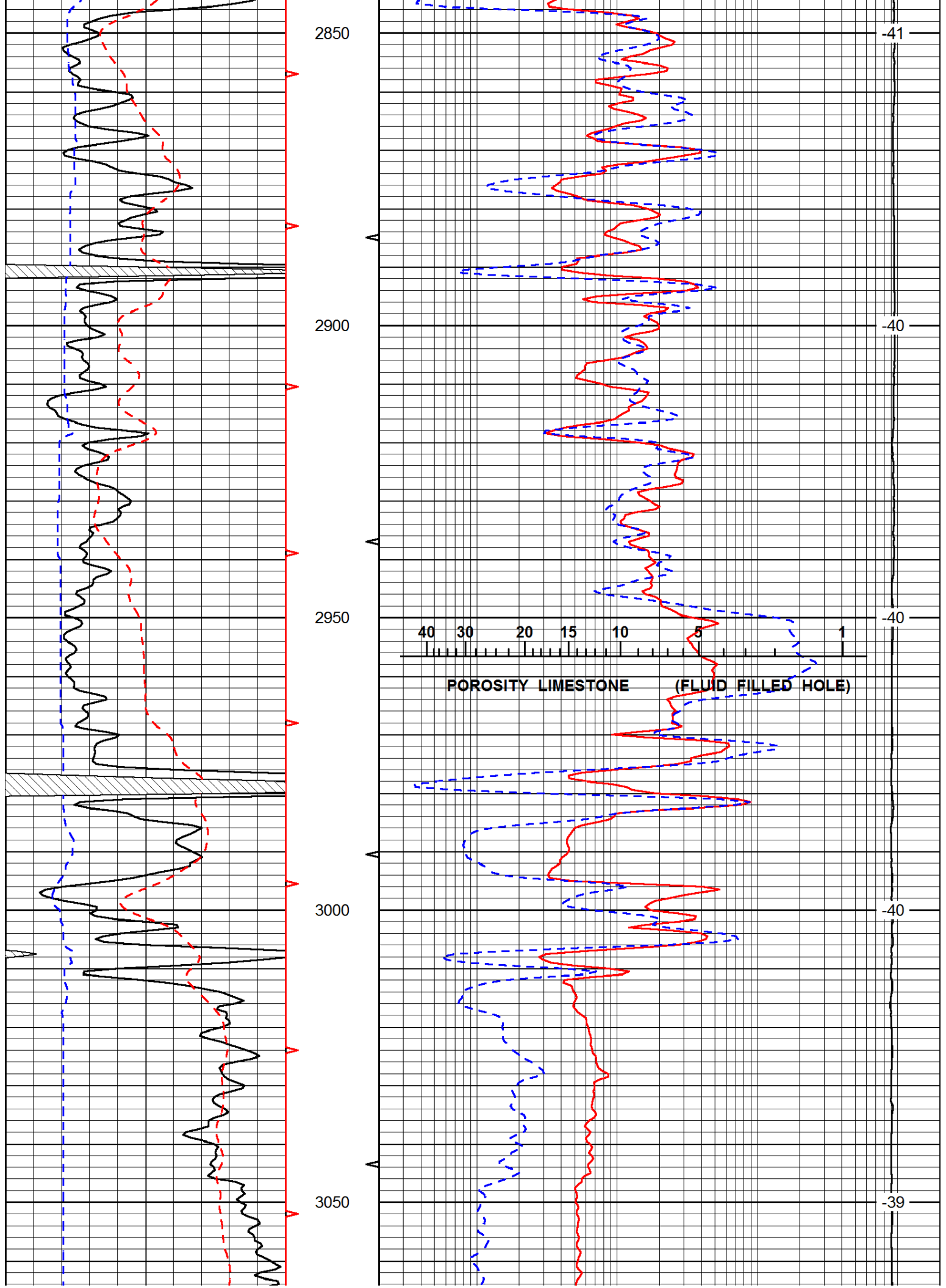
0 Gamma Ray 150 0.2 Long Guard 2000

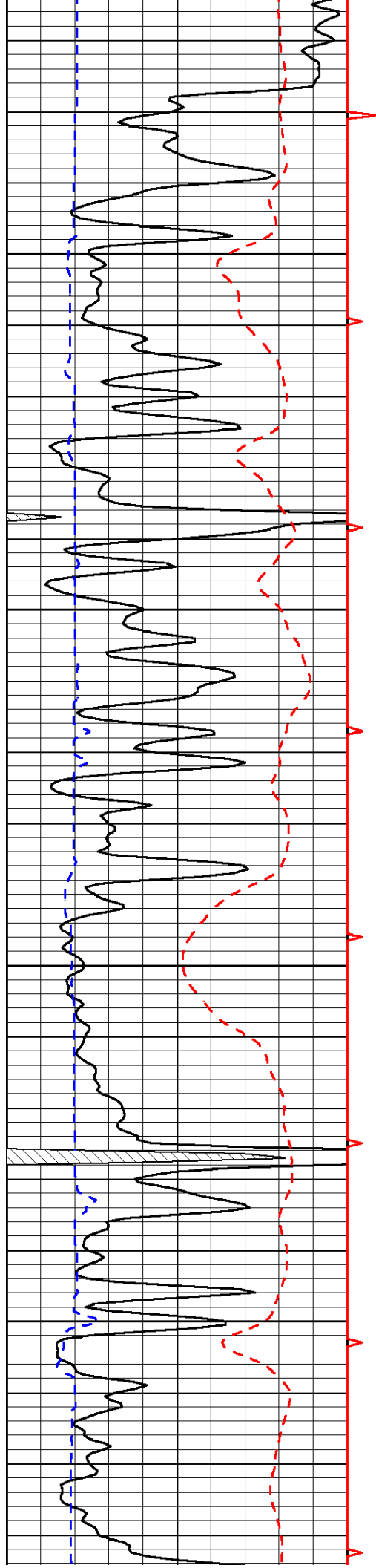


Database File: c:\warrior\data\zinszer_frees-burmeister #14\zinszer_frees_burmeister_14hd.db
Dataset Pathname: RAG/zinrag
Presentation Format: rag
Dataset Creation: Tue Nov 11 21:17:52 2014
Charted by: Depth in Feet scaled 1:240









3100

3150

3200

3250

