



Radiation Guard Log

DIGITAL LOG (785) 625-3858

API No.

15-051-26,337-00-00

Company Tomlinson Operating, LLC

Well Pfeifer Brothers No. 1

Field Ernie

County Ellis State

Kansas

Location 1,500' FSL & 1,520' FEL

Other Services
MEL

Sec: 15 Twp: 12S Rge: 19W

Permanent Datum Ground Level Elevation 2233

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 2241
D.F. 2241
G.L. 2233

Date 7/13/2012

Run Number One

Depth Driller 3920

Depth Logger 3919

Bottom Logged Interval 3918

Top Log Interval 300

Casing Driller 8.625 @ 330

Casing Logger 338

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1500

Density / Viscosity 9.2 49

pH / Fluid Loss 10.5 7.2

Source of Sample Flowline

Rm @ Meas. Temp 1.12 @ 76

Rmf @ Meas. Temp .84 @ 76

Rmc @ Meas. Temp 1.51 @ 76

Source of Rmf / Rmc Charts

Rm @ BHT .74 @ 115

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 115

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Wes Hansen

<<< Fold Here >>>

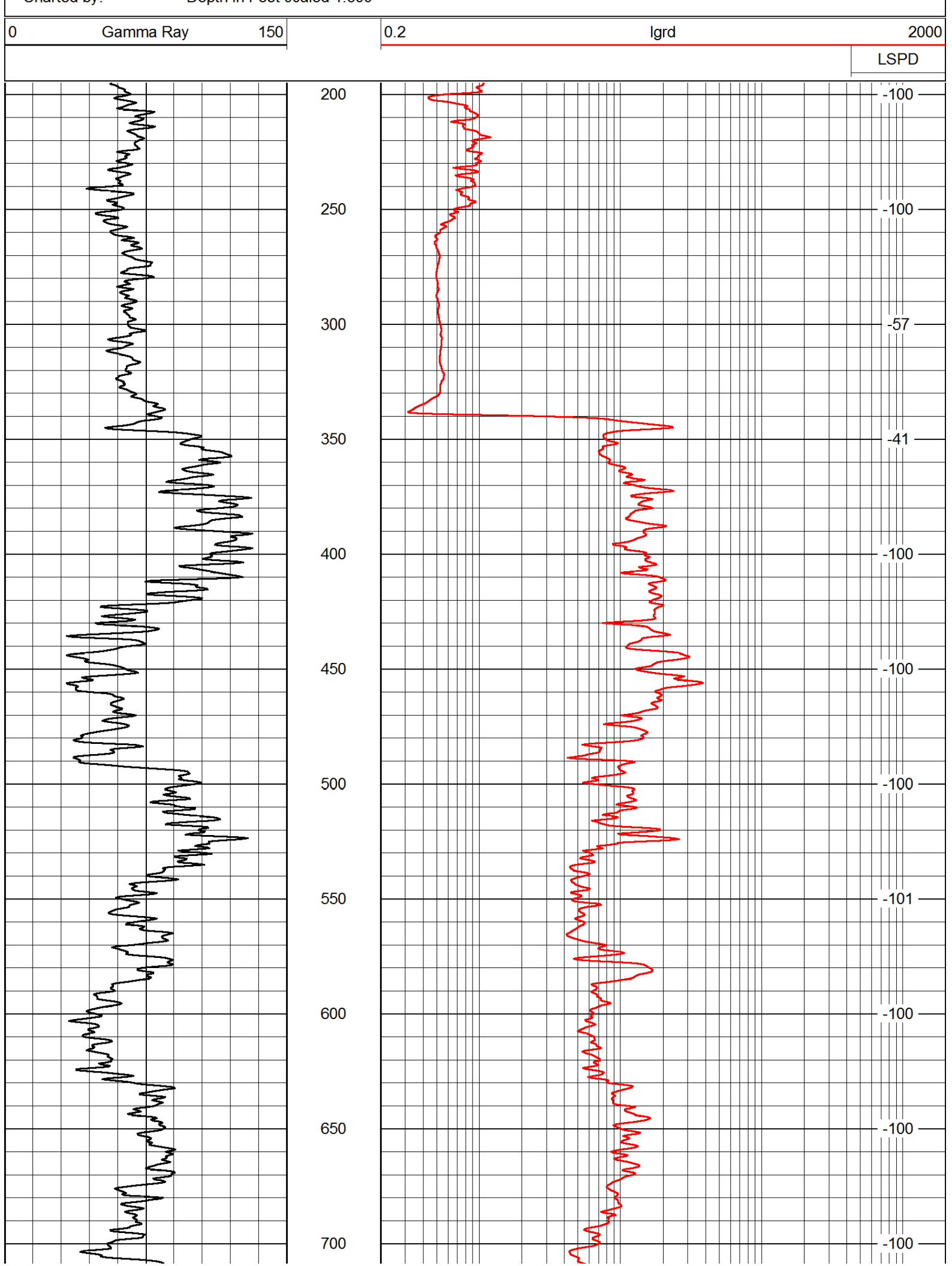
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

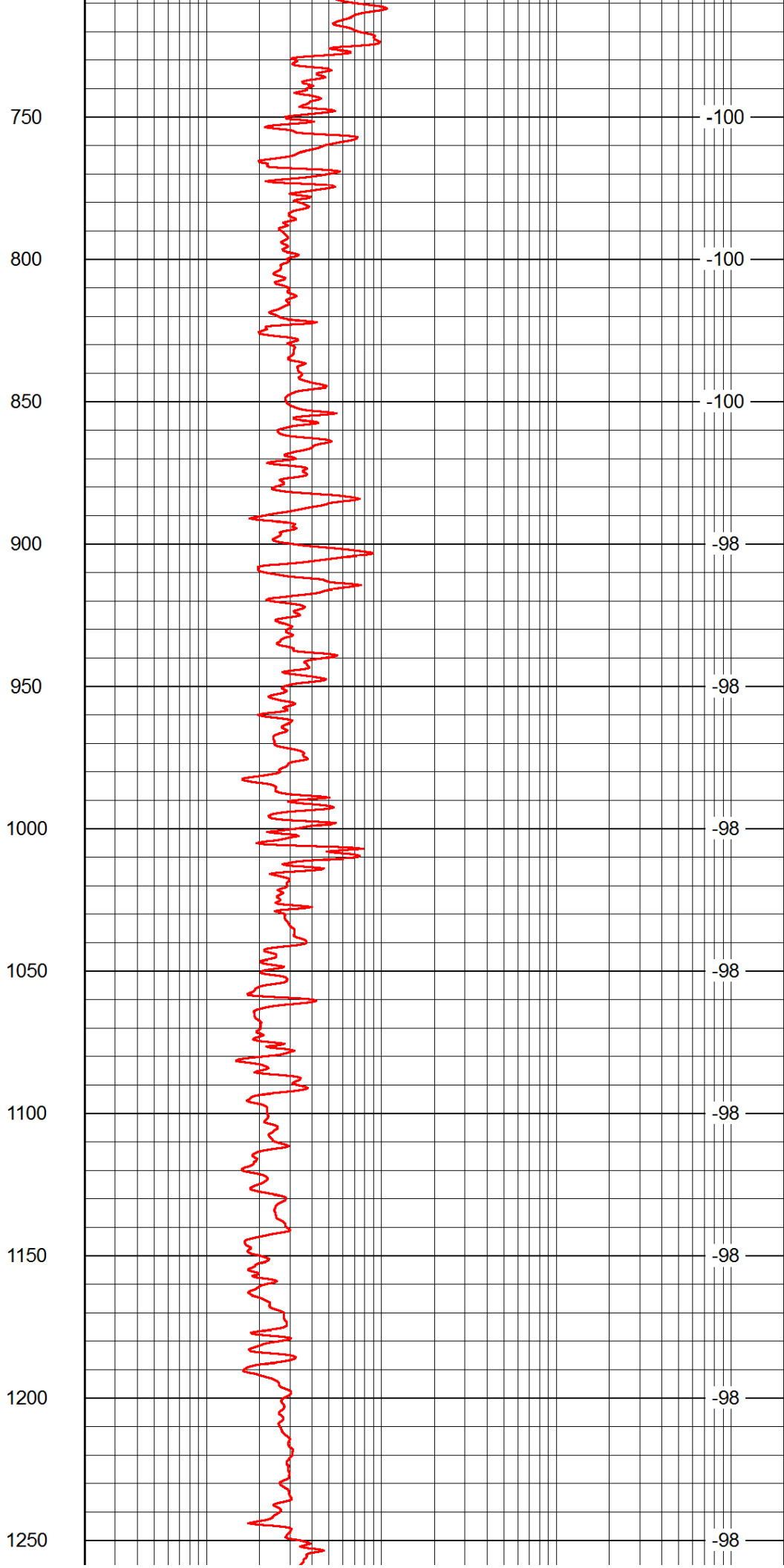
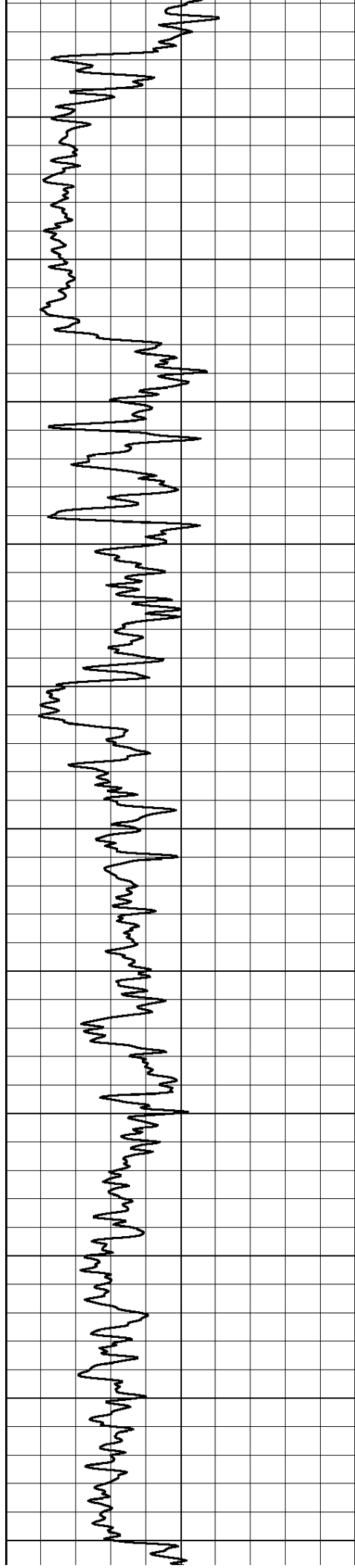
Comments

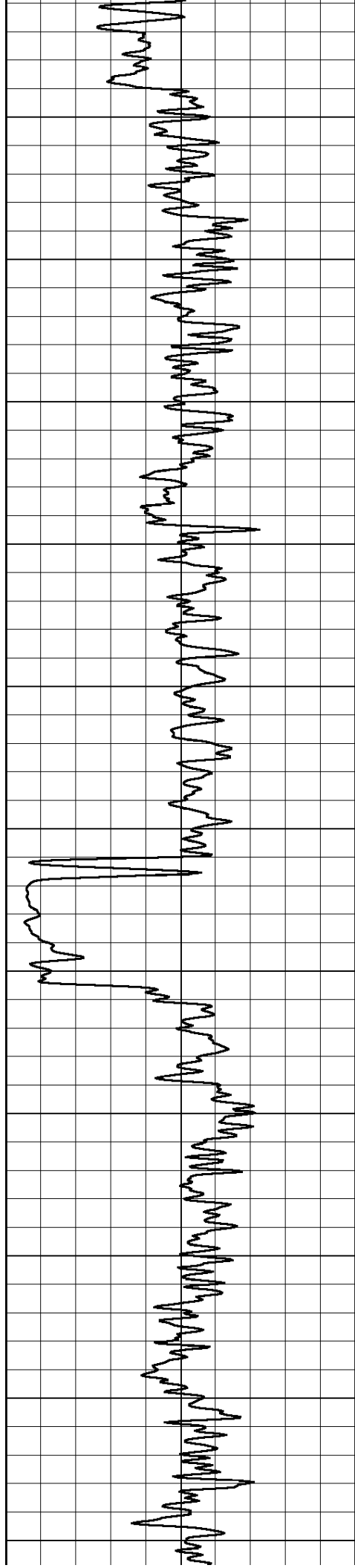
Thank you for using Log-Tech, Inc.
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Hays, North to Buckeye Road, 5 1/4 West, North Into

Database File: c:\warrior\data\tomlinson_pfeifer brothers no. 1\tomlinson_pfeiferbrothers_1hd.db
Dataset Pathname: rag/tomrag
Presentation Format: rag2in
Dataset Creation: Fri Jul 13 10:21:53 2012
Charted by: Depth in Feet scaled 1:600







1300

1350

1400

1450

1500

1550

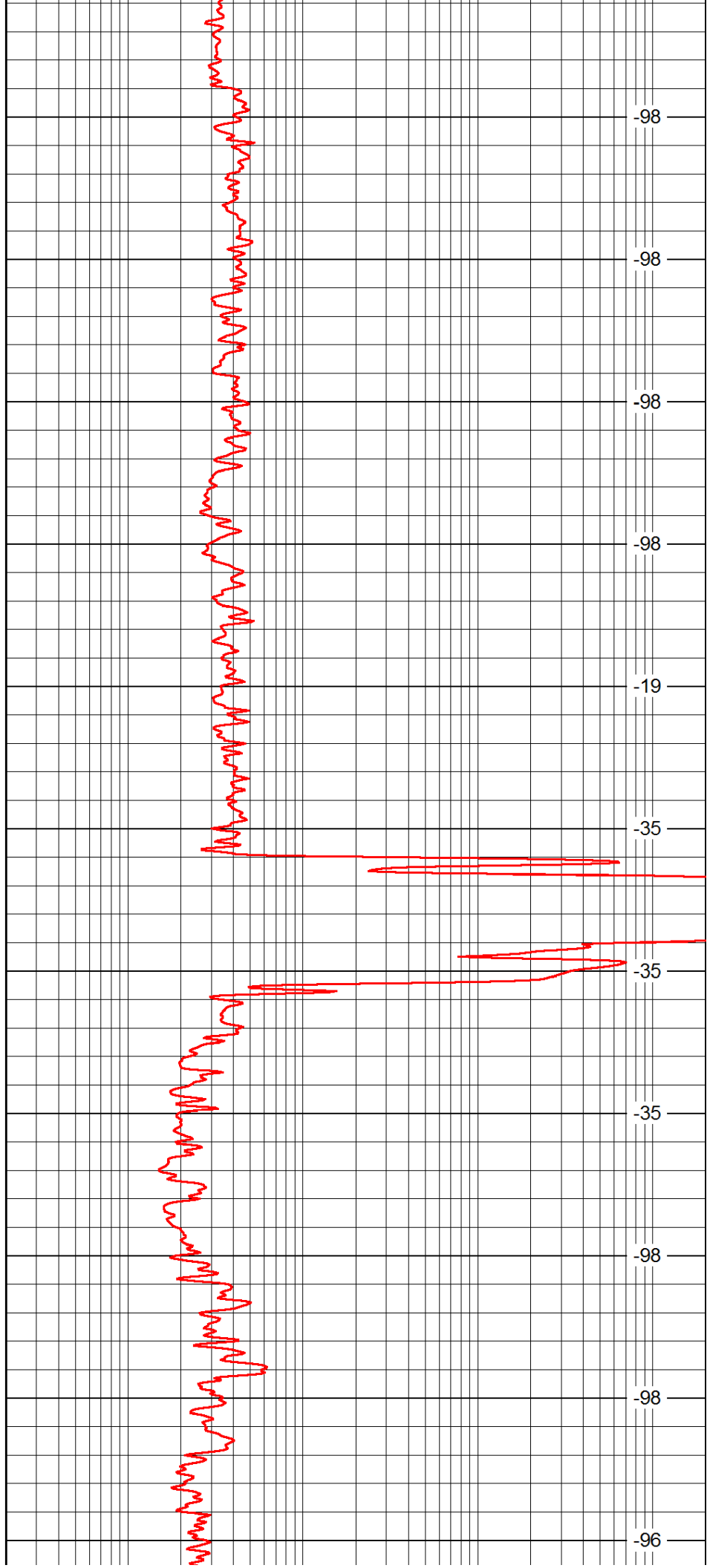
1600

1650

1700

1750

1800



-98

-98

-98

-98

-19

-35

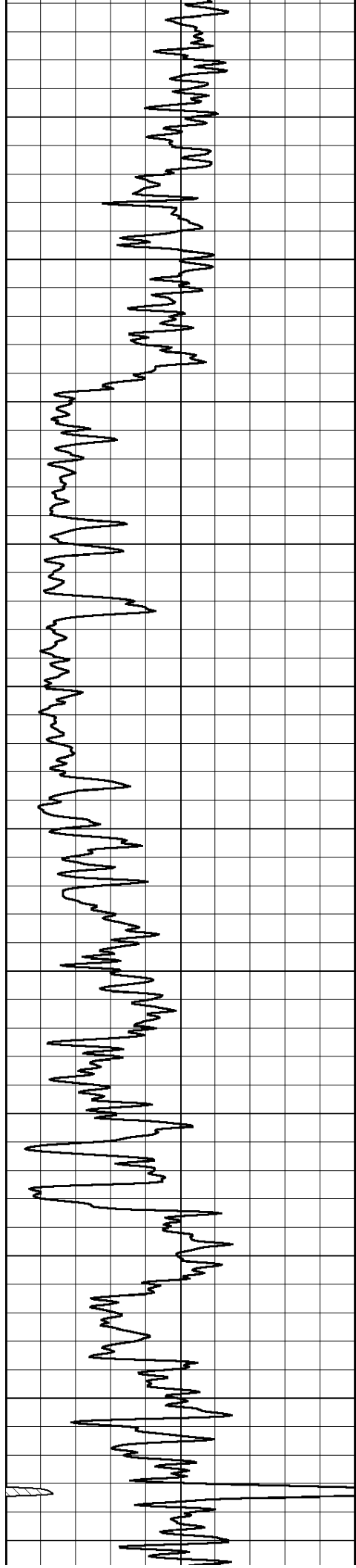
-35

-35

-98

-98

-96



1850

1900

1950

2000

2050

2100

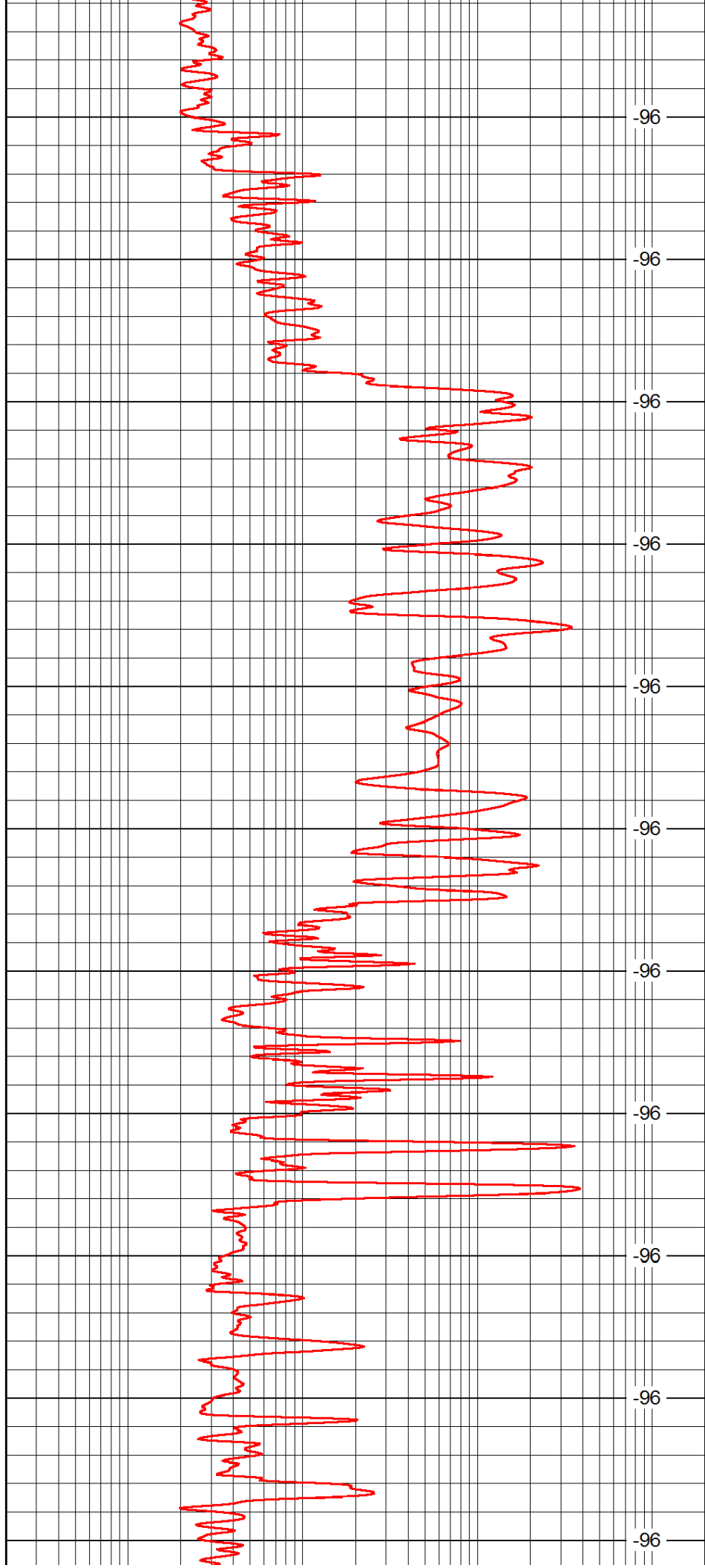
2150

2200

2250

2300

2350



-96

-96

-96

-96

-96

-96

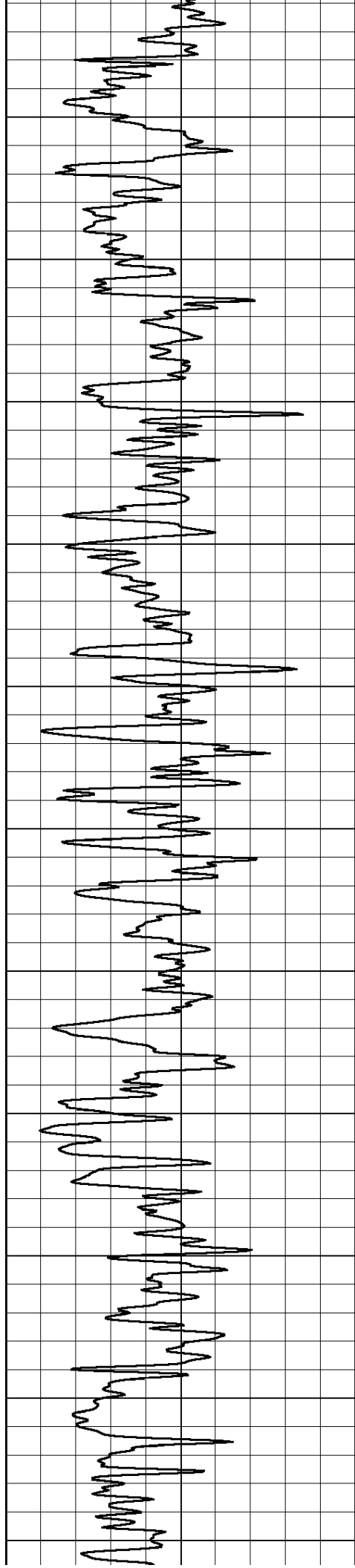
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-96

-96

-96

-96



2400

2450

2500

2550

2600

2650

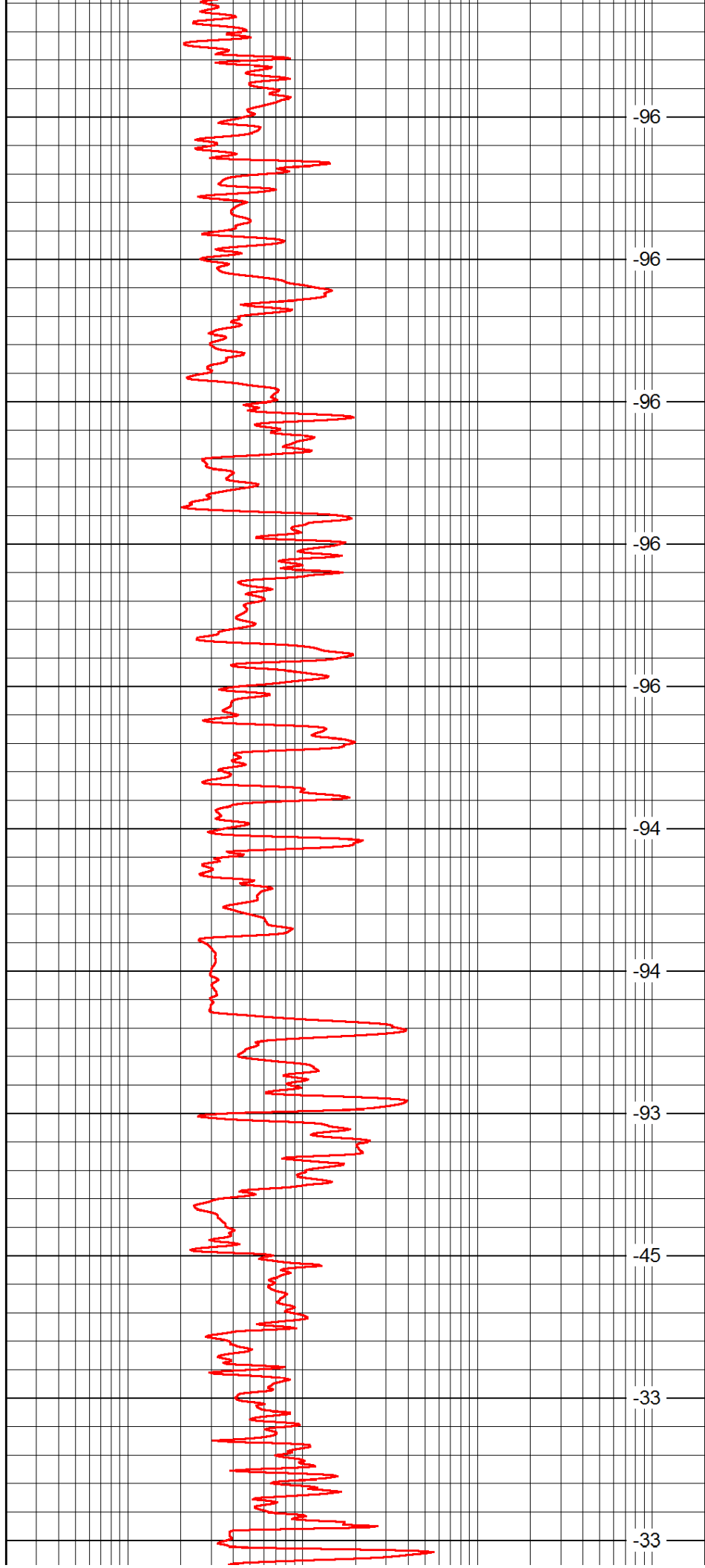
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2750

2800

2850

2900



-96

-96

-96

-96

-96

-94

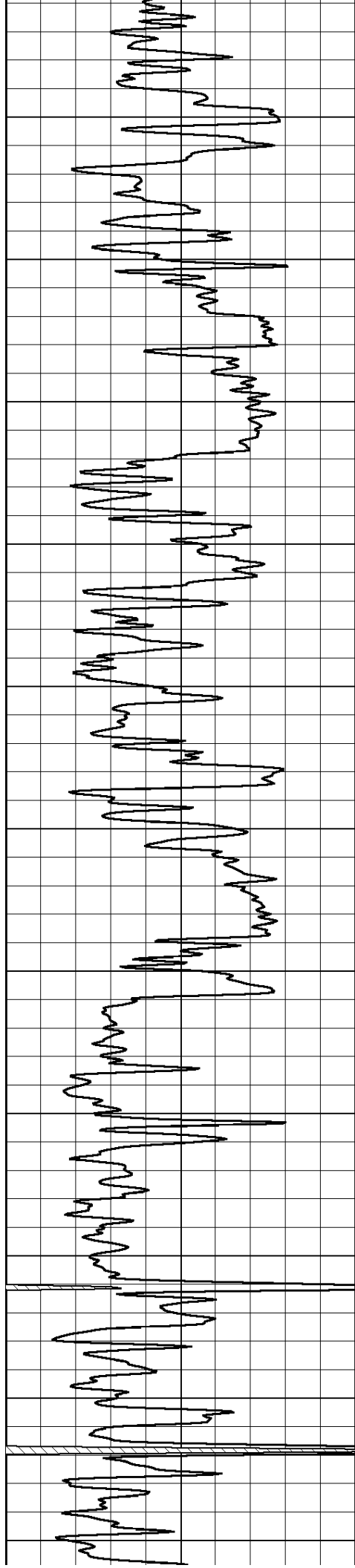
-94

-93

-45

-33

-33



2950

3000

3050

3100

3150

3200

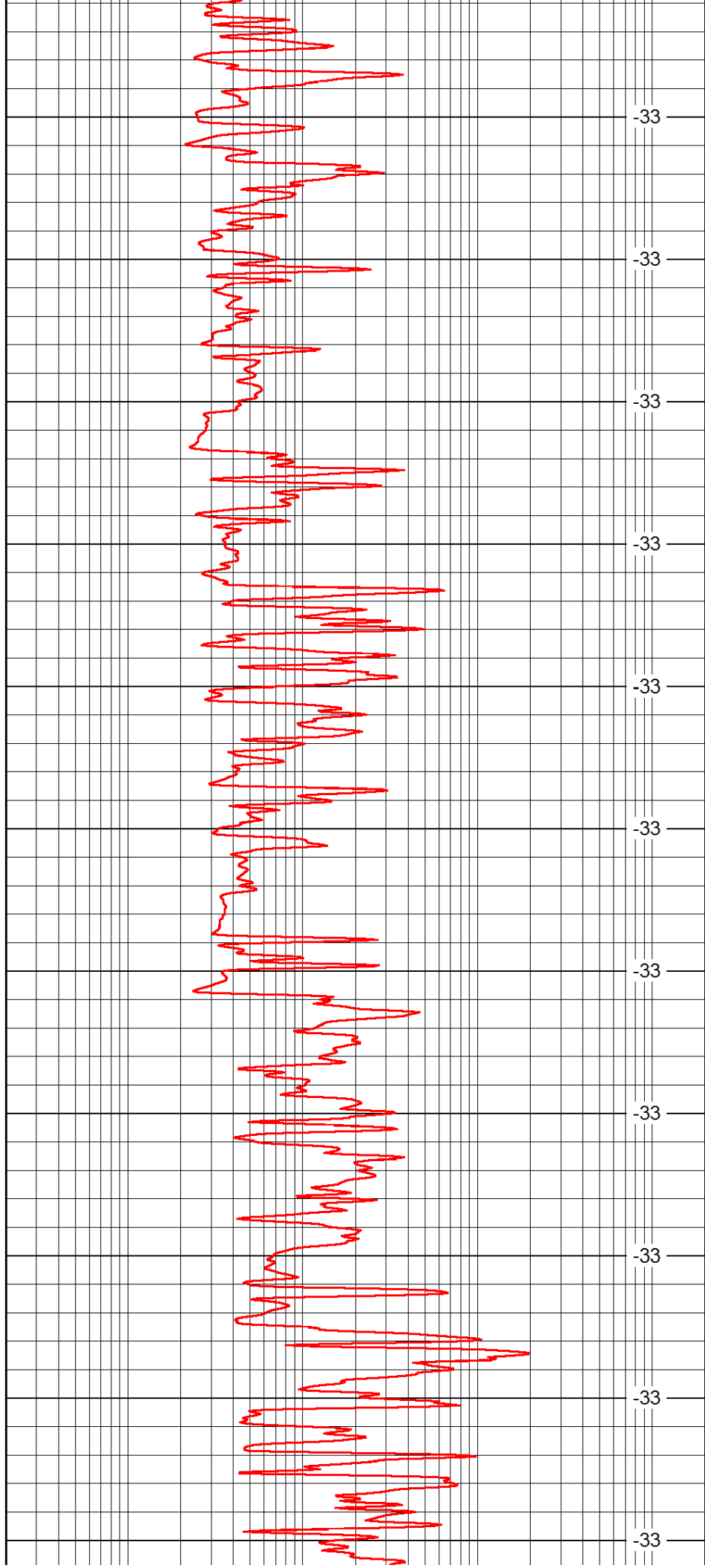
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3300

3350

3400

3450



-33

-33

-33

-33

-33

-33

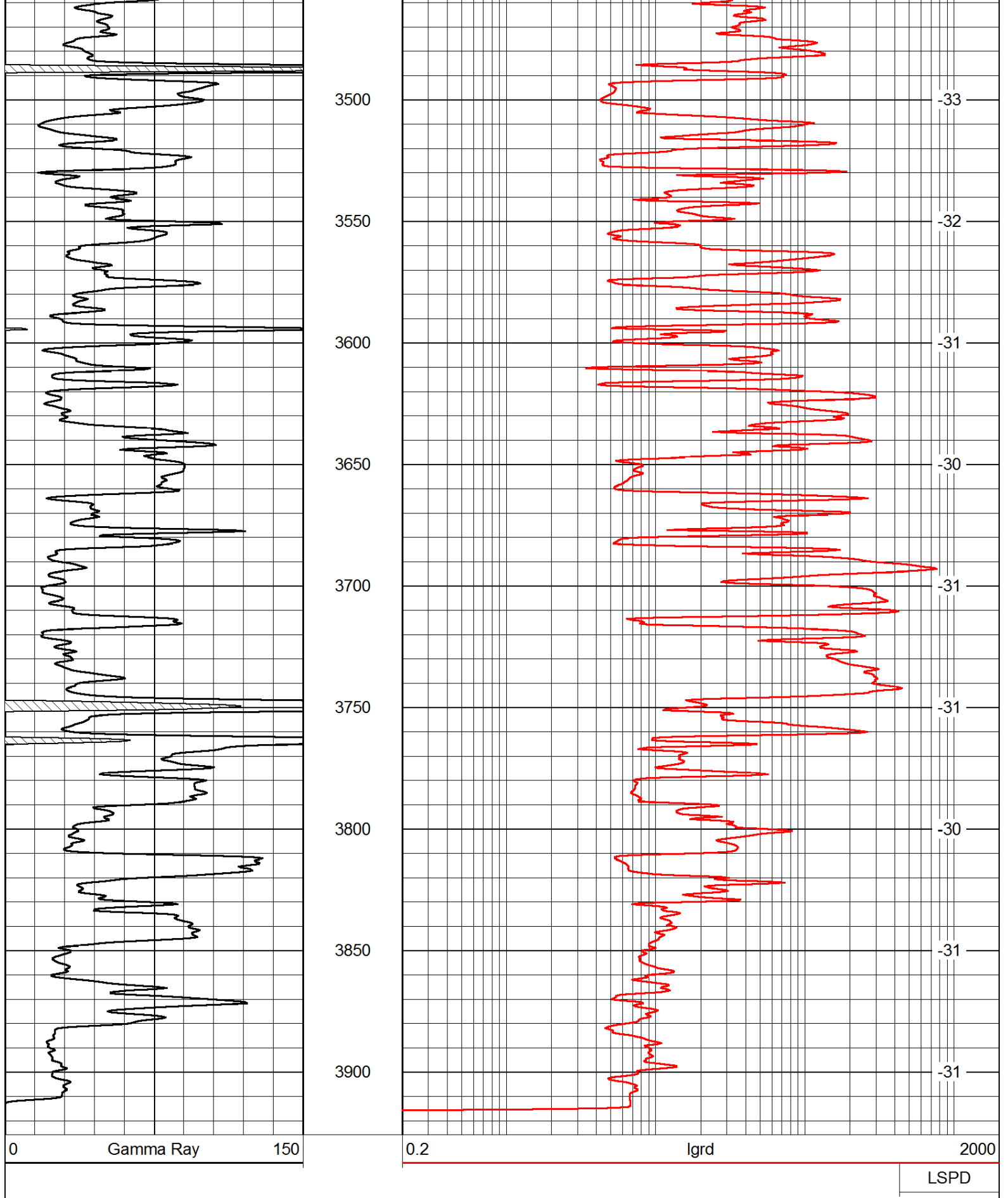
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-33

-33

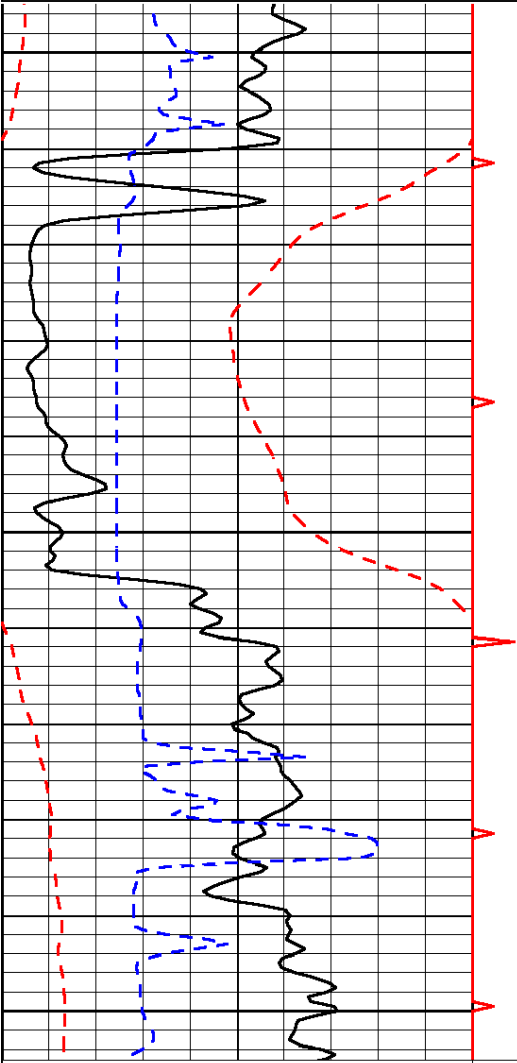
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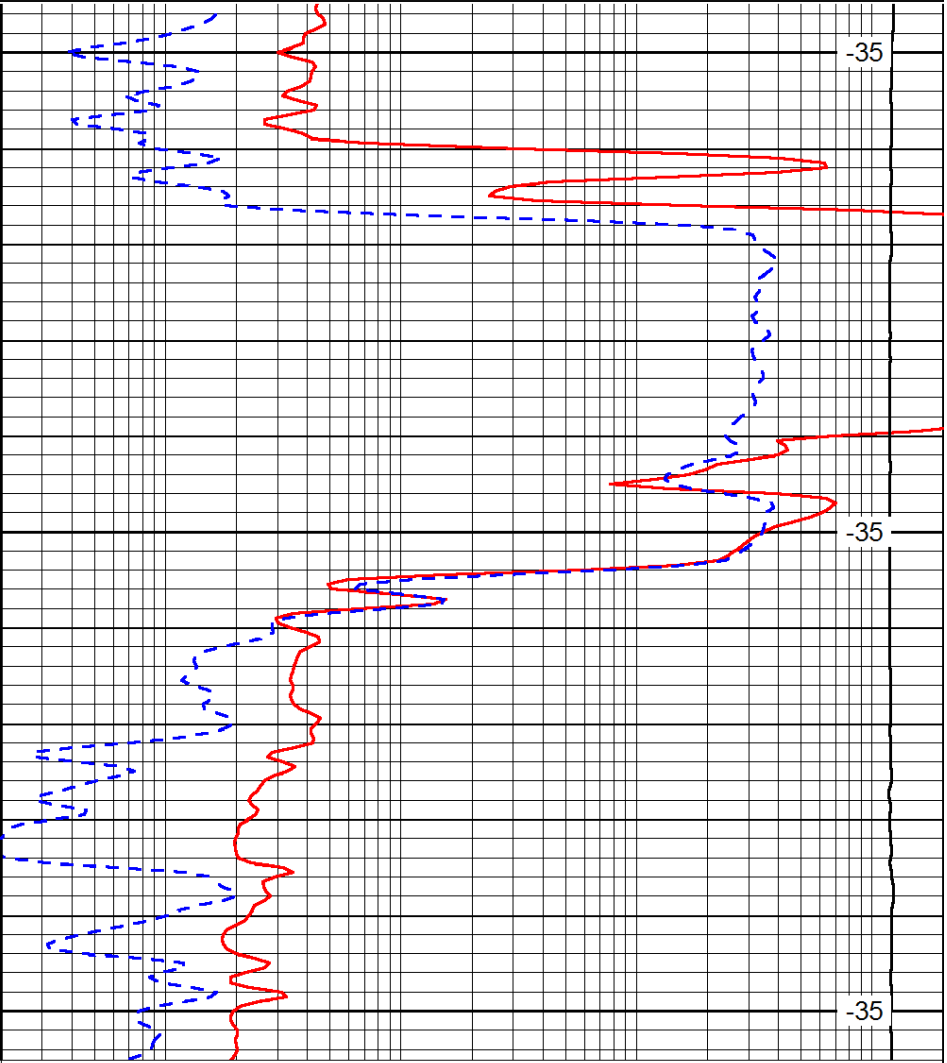
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Dataset Pathname: rag/tomrag
Presentation Format: rag
Dataset Creation: Fri Jul 13 10:21:53 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0



0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

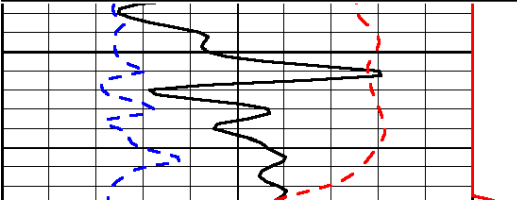


0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

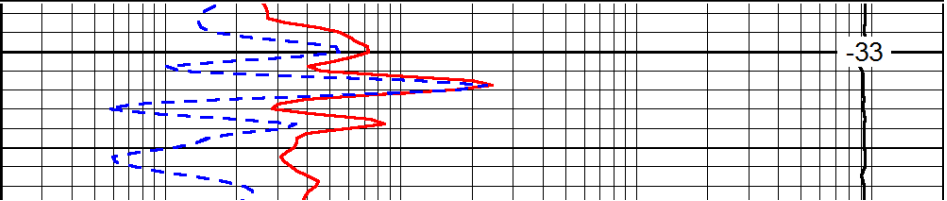
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Dataset Pathname:
Presentation Format:
Dataset Creation:
Charted by:

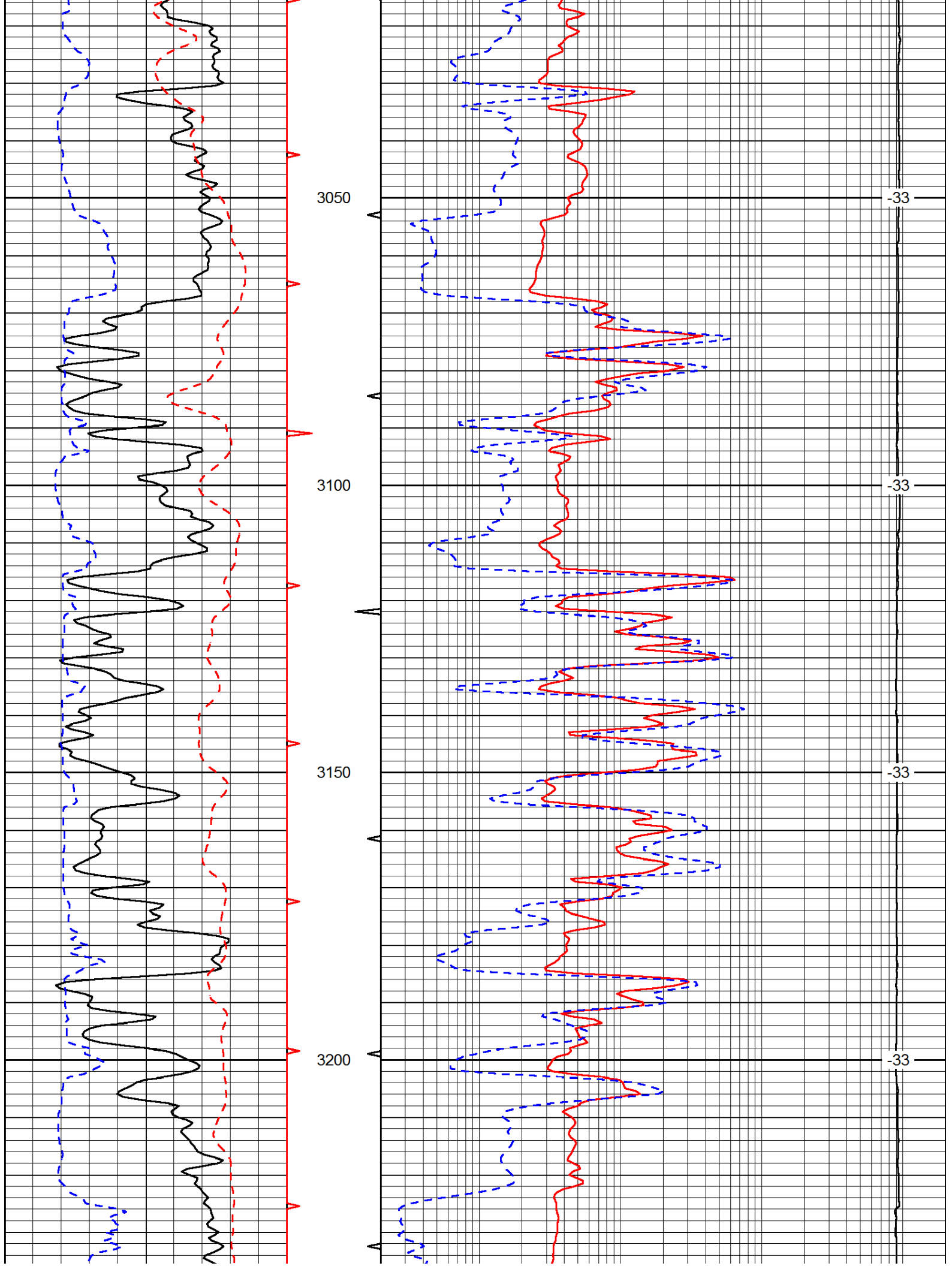
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rag/tomrag
rag
Fri Jul 13 10:21:53 2012
Depth in Feet scaled 1:240

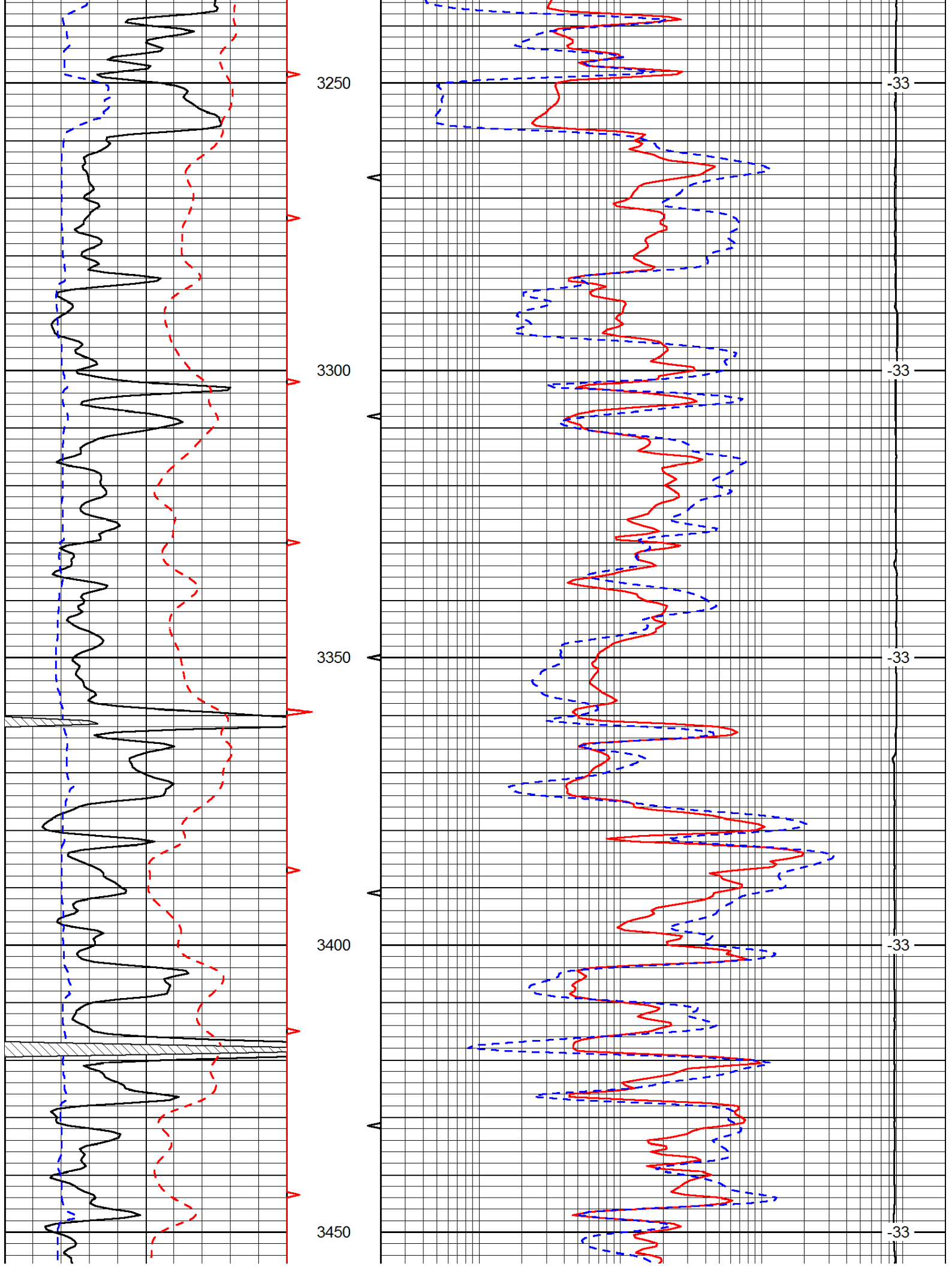
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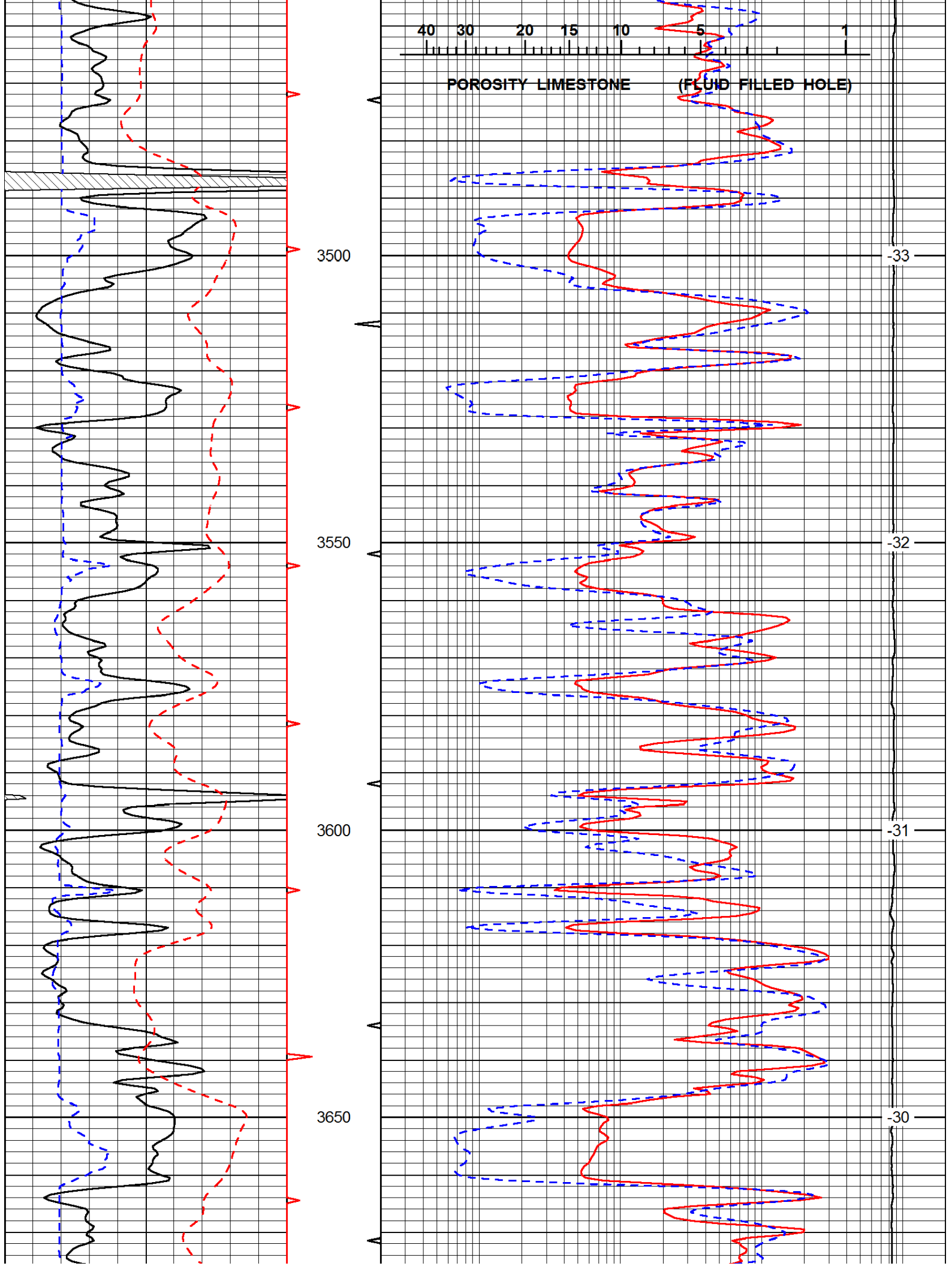


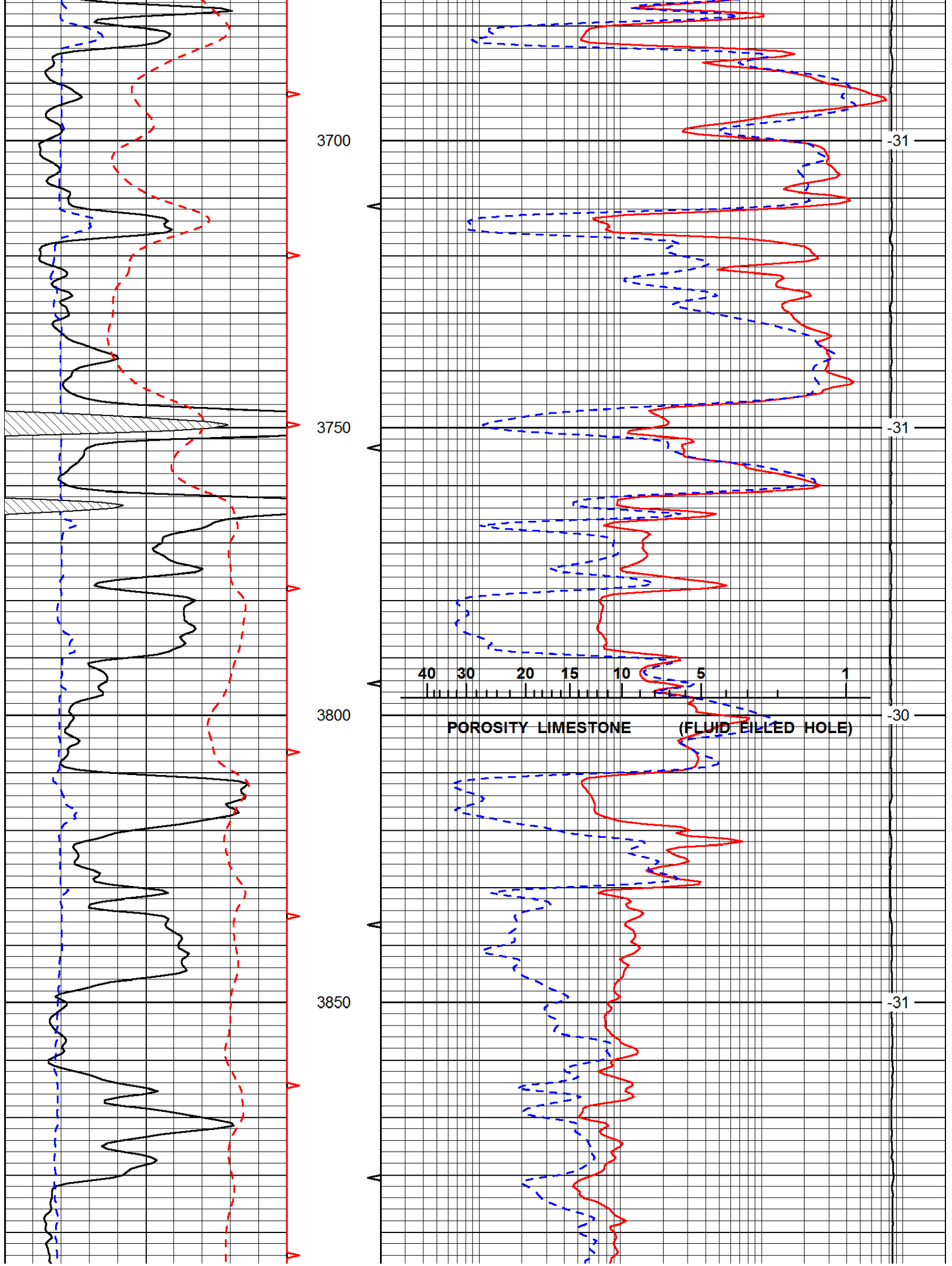
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15000	Line Tension	0

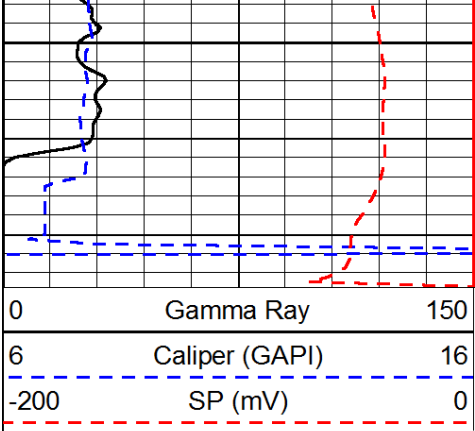




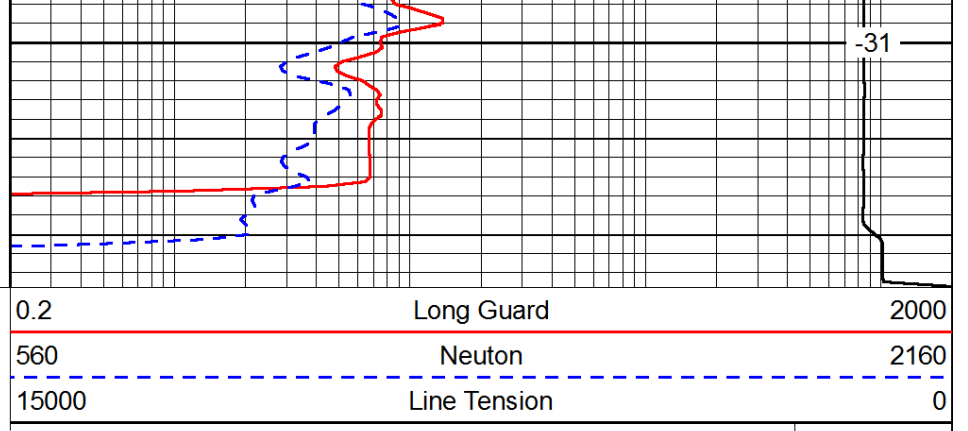








3900



-31

LSPD