

LOG-TECH

Radiation Guard
Log

DIGITAL LOG

(785) 625-3858

API No.

15-101-22313-00-00

Company Northern Lights Oil Company

Well Hazel No. 1

Field Whipple

County Lane State Kansas

Location

983' FSL & 742' FEL

Other Services

None

Sec: 27 Twp: 17 S Rge: 27 W

Elevation

Permanent Datum Ground Level

Elevation 2681

Log Measured From Kelly Bushing

5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 2686
D.F. 2681
G.L. 2681

Date 10/1/2011

Run Number One

Depth Driller 4640

Depth Logger 4634

Bottom Logged Interval 4633

Top Log Interval 250

Casing Driller 8.625 @ 257

Casing Logger 257

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1500

Density / Viscosity 9.5 53

pH / Fluid Loss 10.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp 2.20 @ 67

Rmf @ Meas. Temp 1.65 @ 67

Rmc @ Meas. Temp 2.97 @ 67

Source of Rmf / Rmc Charts

Rm @ BHT 1.20 @ 122

Operating Rig Time 2 Hours

Max Rec. Temp. F 122

Equipment Number 17

Location Hays

Recorded By B. Becker

Witnessed By Robert Sutherland Jeff Christian

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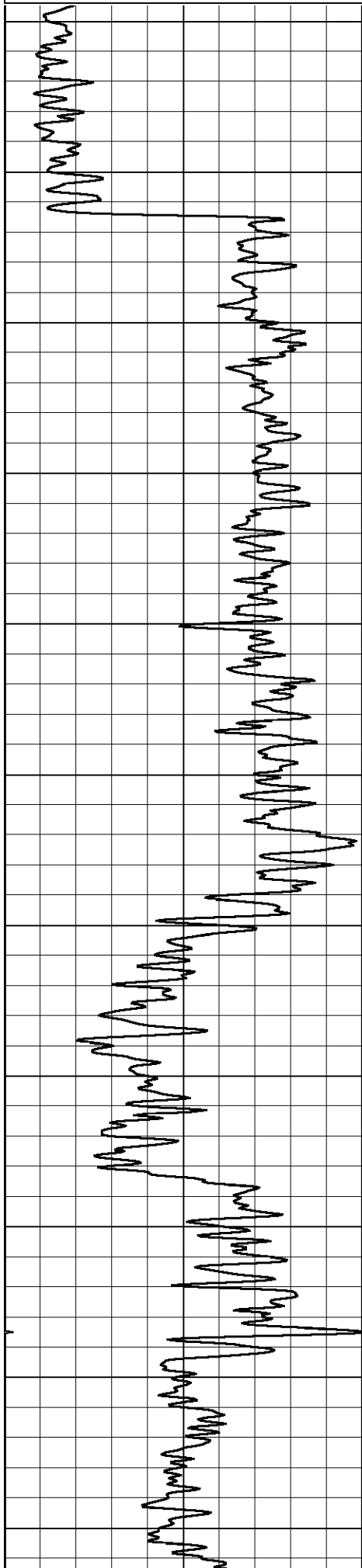
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

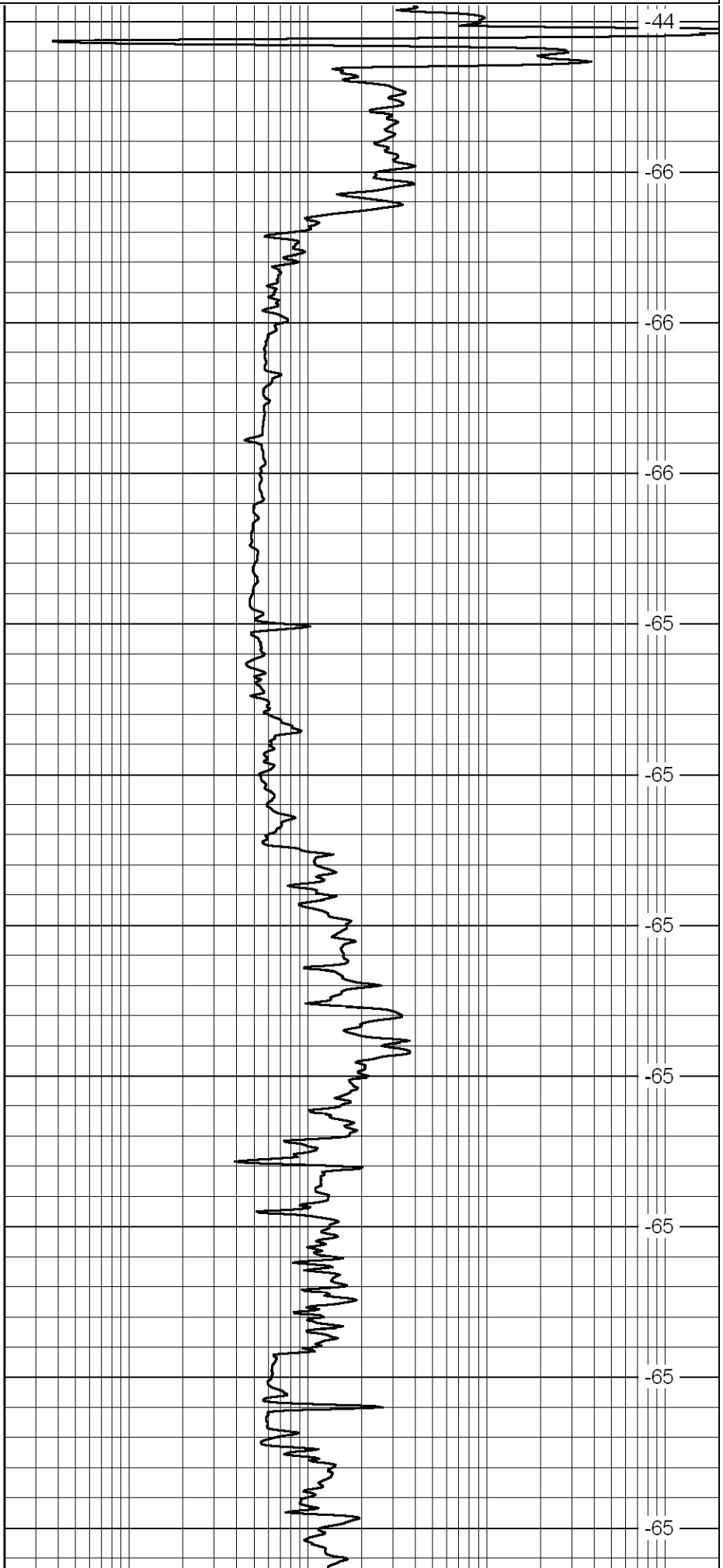
Thank you for using Log-Tech, Inc.
(785) 625-3858

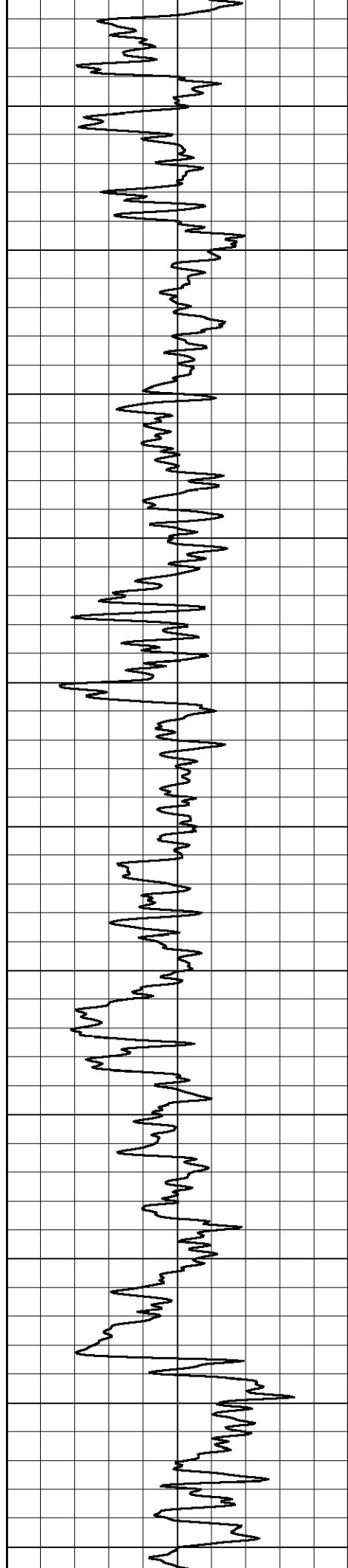
Utica, Ks; 8 West to Scout Rd;
7-1/2 South; 1 East;
1/2 South; 1 East; 1-1/2 North to Location

Database File: nrthrnltshd.db
Dataset Pathname: RAG/nlrag
Presentation Format: rag2in
Dataset Creation: Sat Oct 01 10:01:51 2011
Charted by: Depth in Feet scaled 1:600



LSPD





800

850

900

950

1000

1050

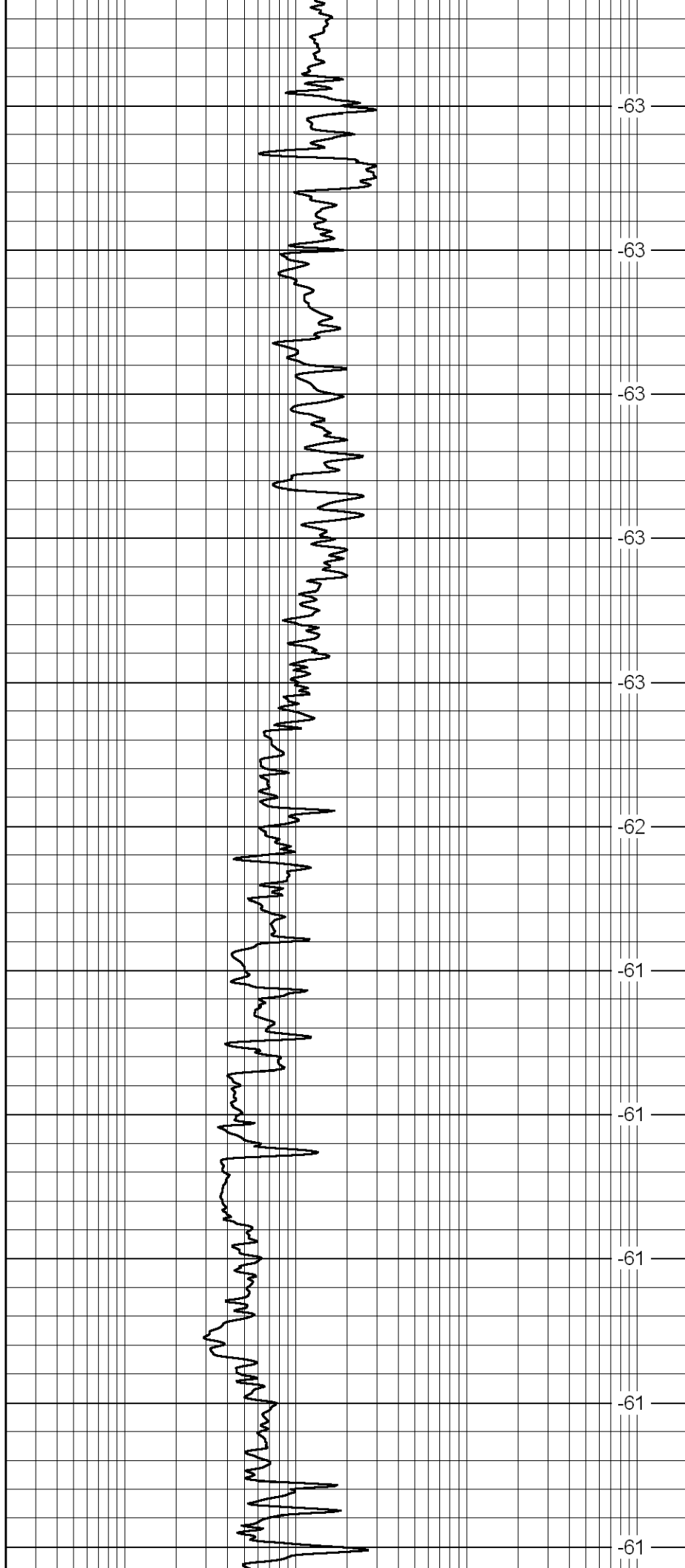
1100

1150

1200

1250

1300



-63

-63

-63

-63

-63

-62

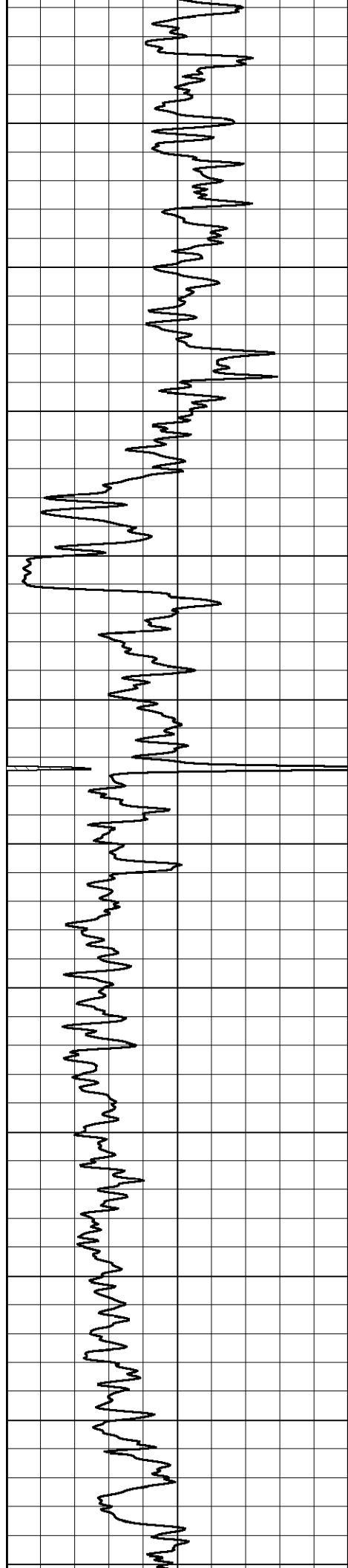
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-61

-61

-61

-61



1350

1400

1450

1500

1550

1600

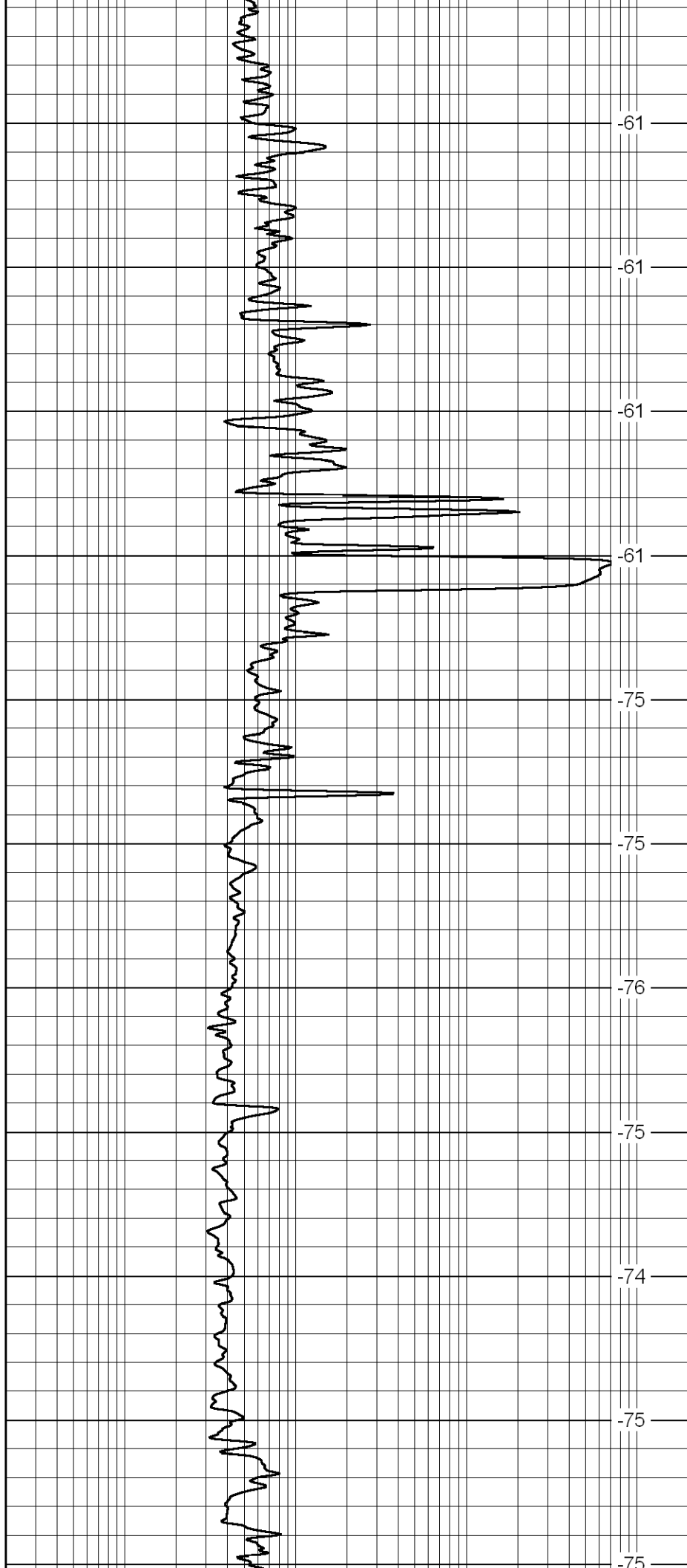
1650

1700

1750

1800

1850



-61

-61

-61

-61

-75

-75

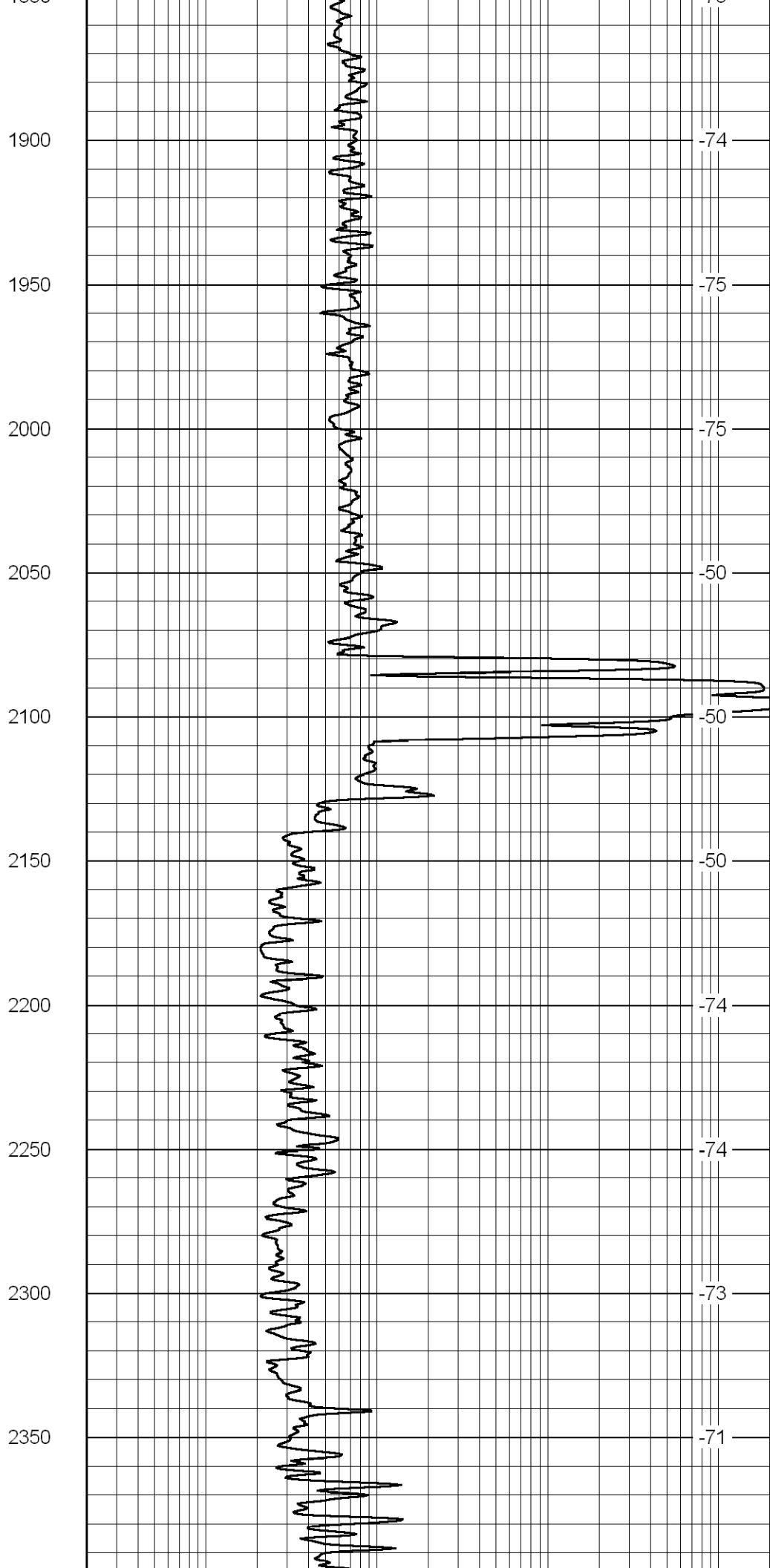
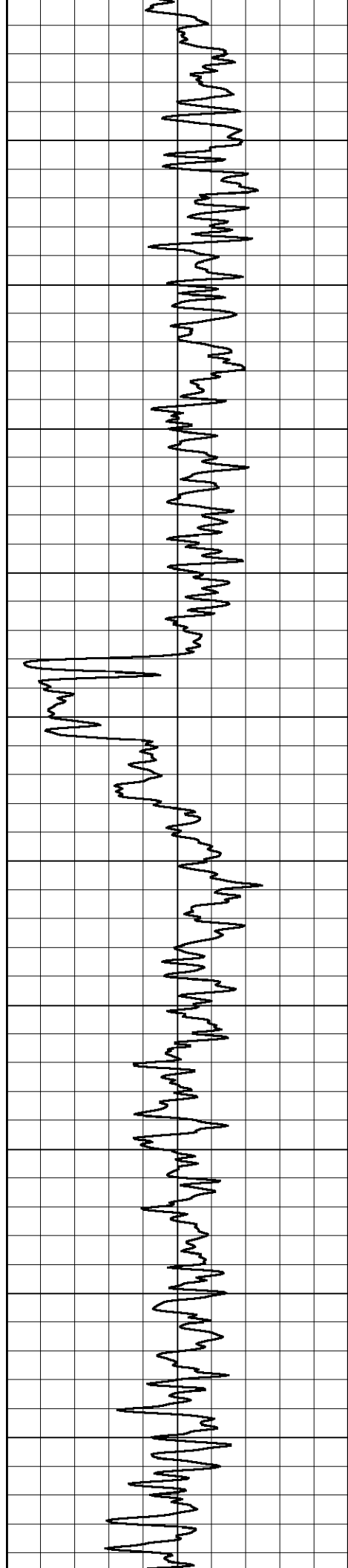
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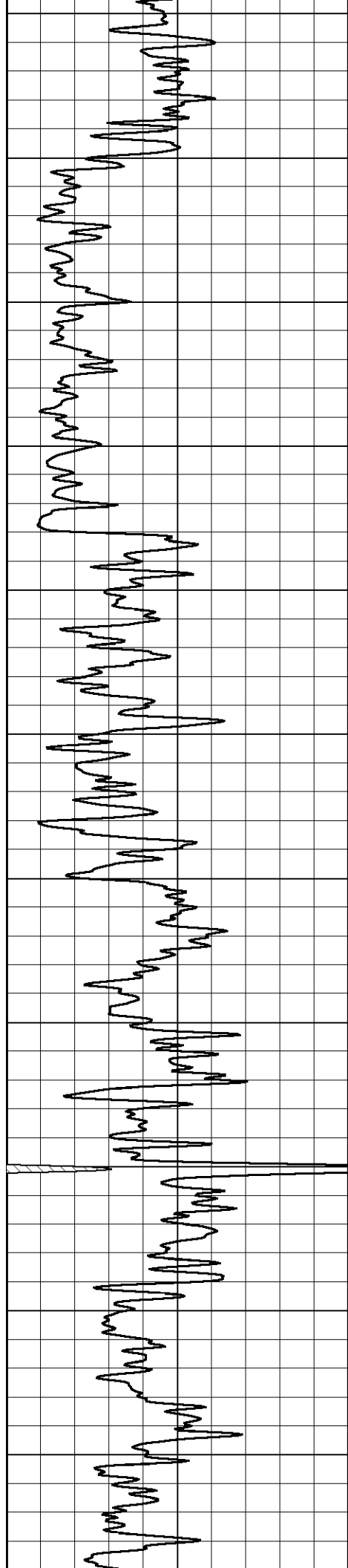
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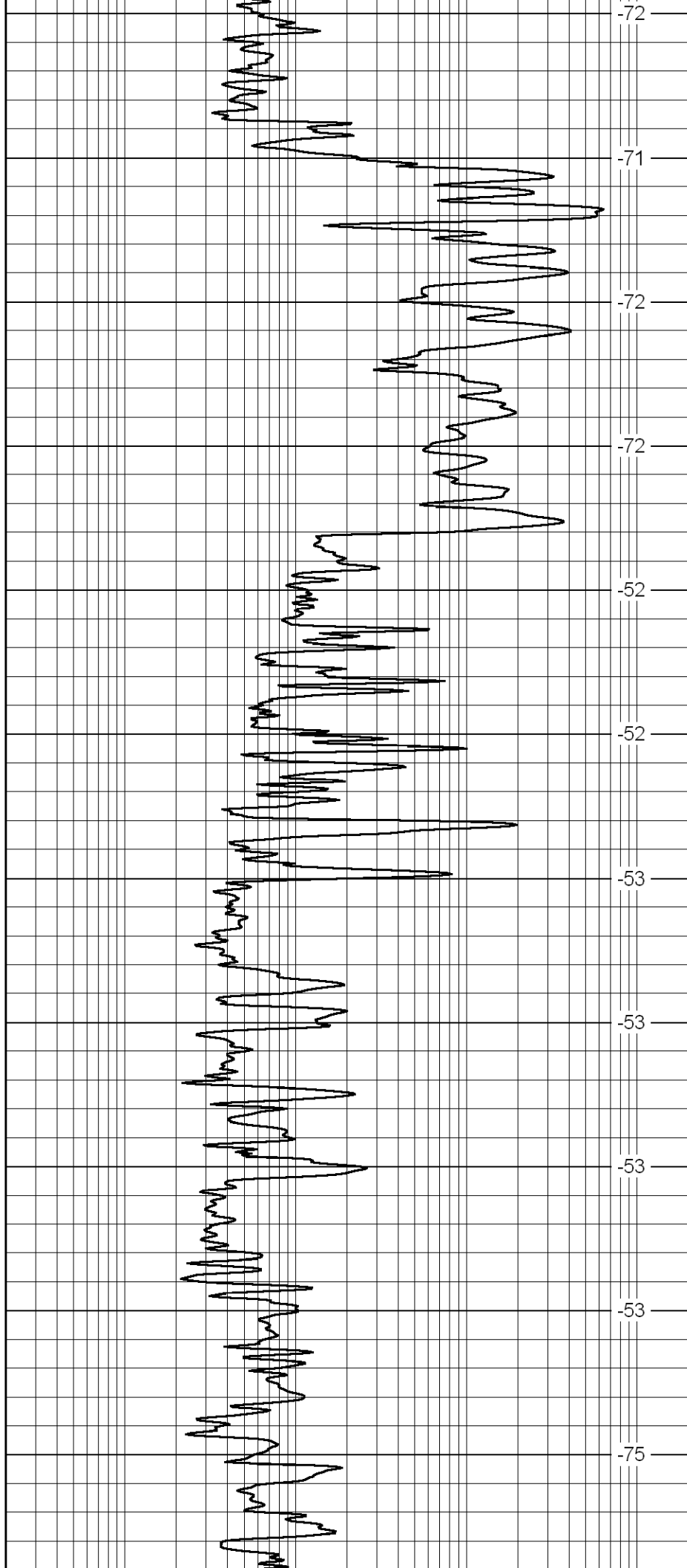
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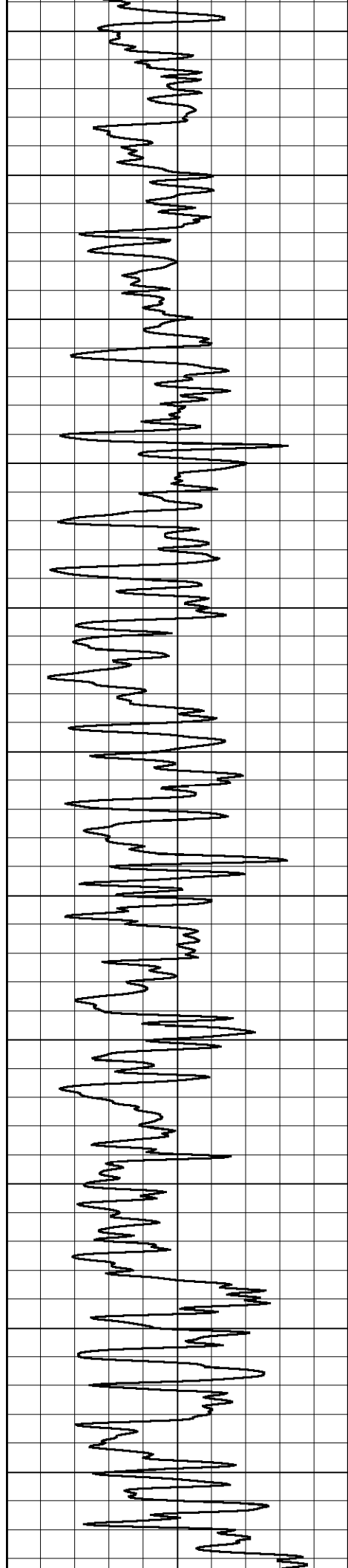




2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900



-72
-71
-72
-72
-52
-52
-53
-53
-53
-53
-75



2950

3000

3050

3100

3150

3200

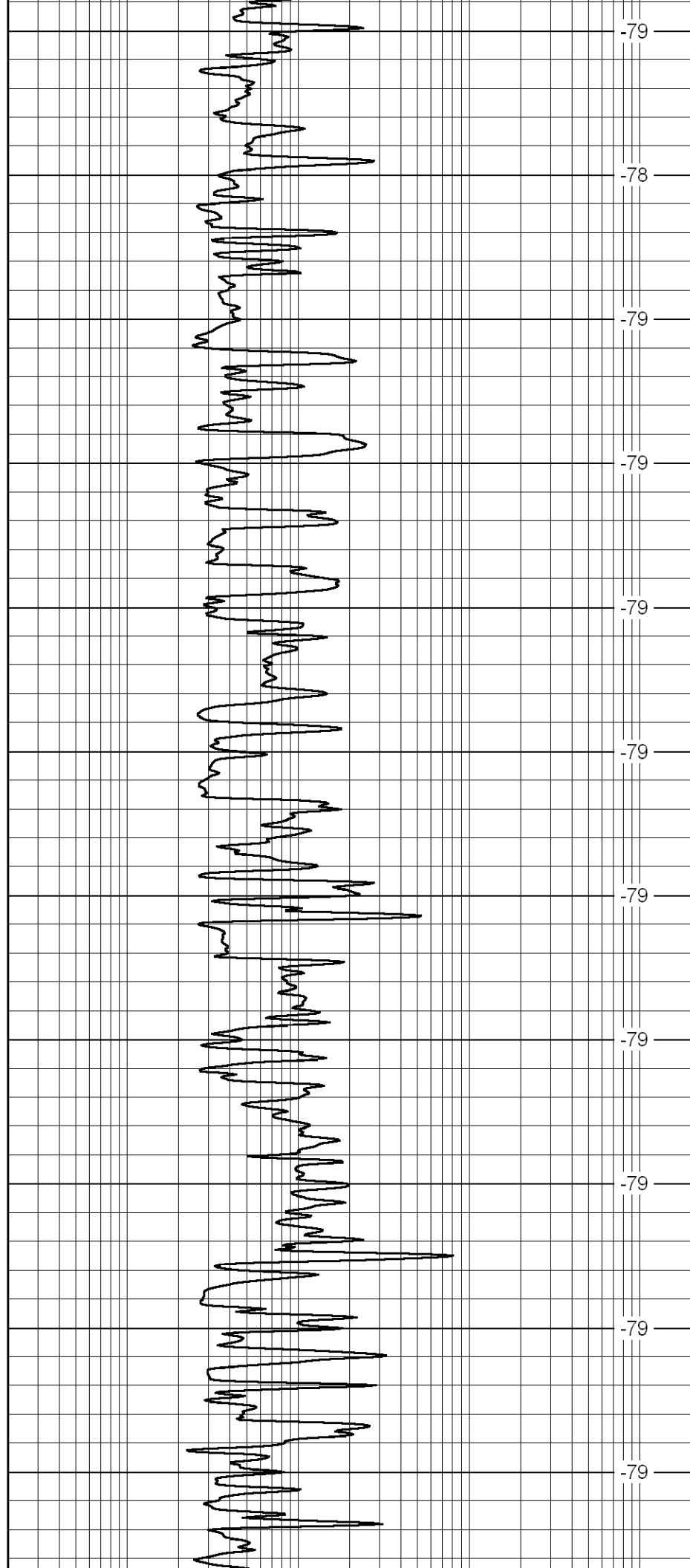
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3300

3350

3400

3450



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-79

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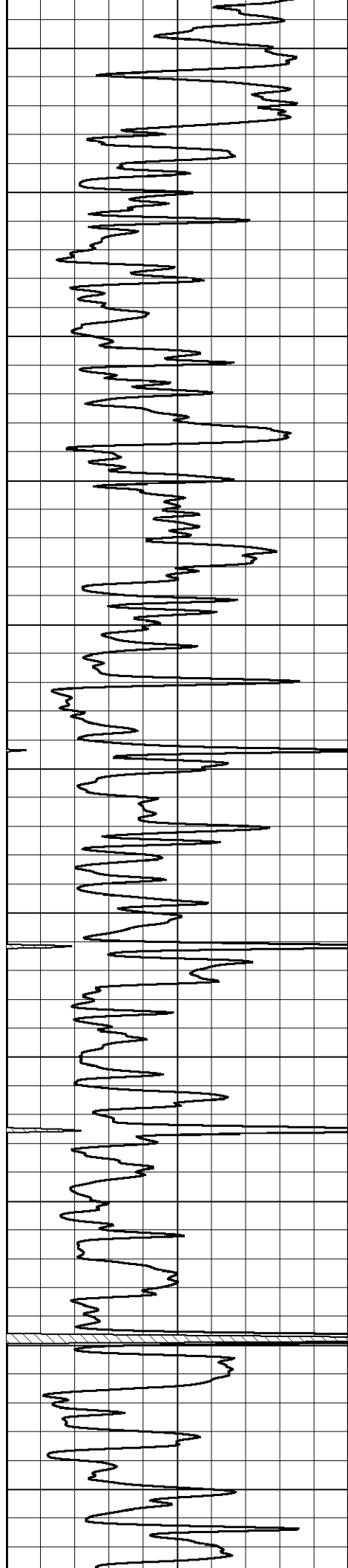
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3700

3750

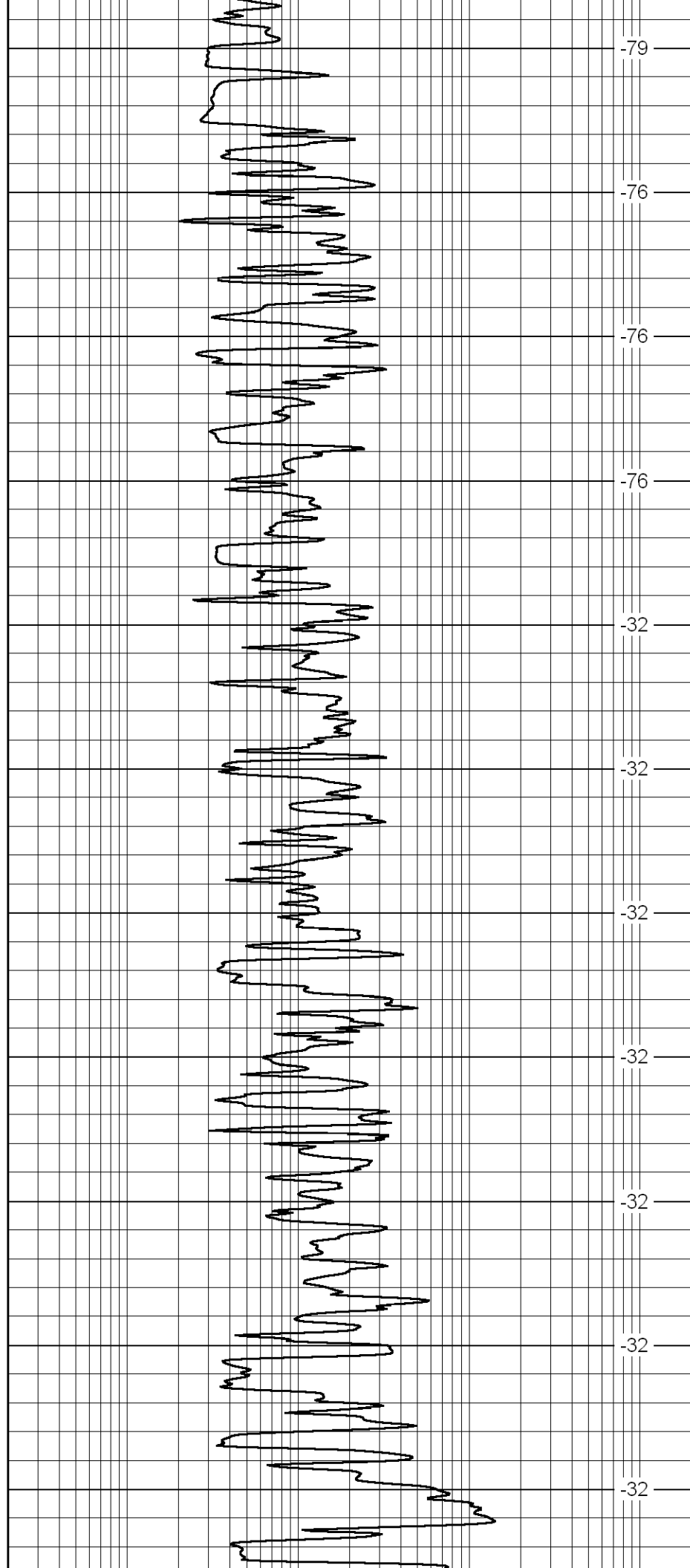
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3950

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-76

-76

-76

-32

-32

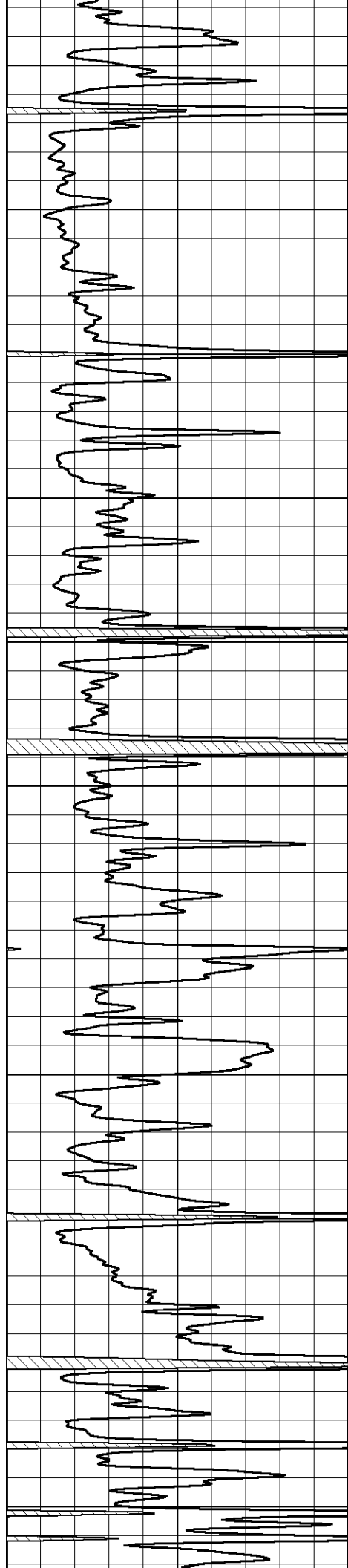
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4100

4150

4200

4250

4300

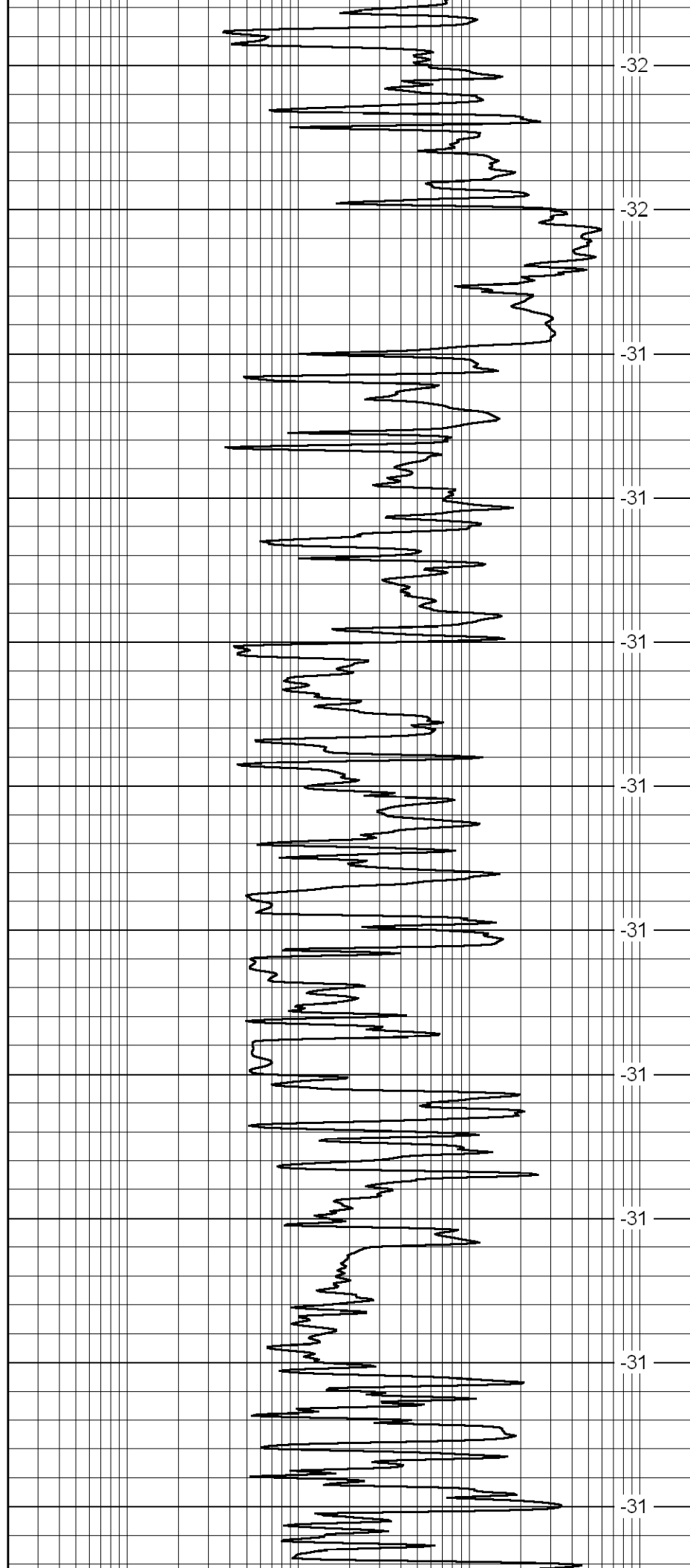
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4500

4550



-32

-32

-31

-31

-31

-31

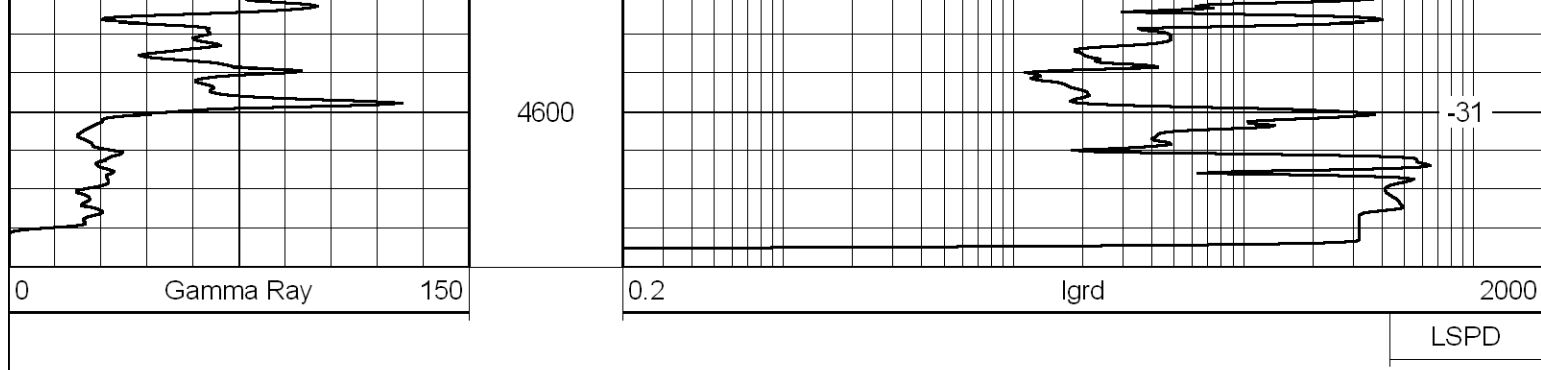
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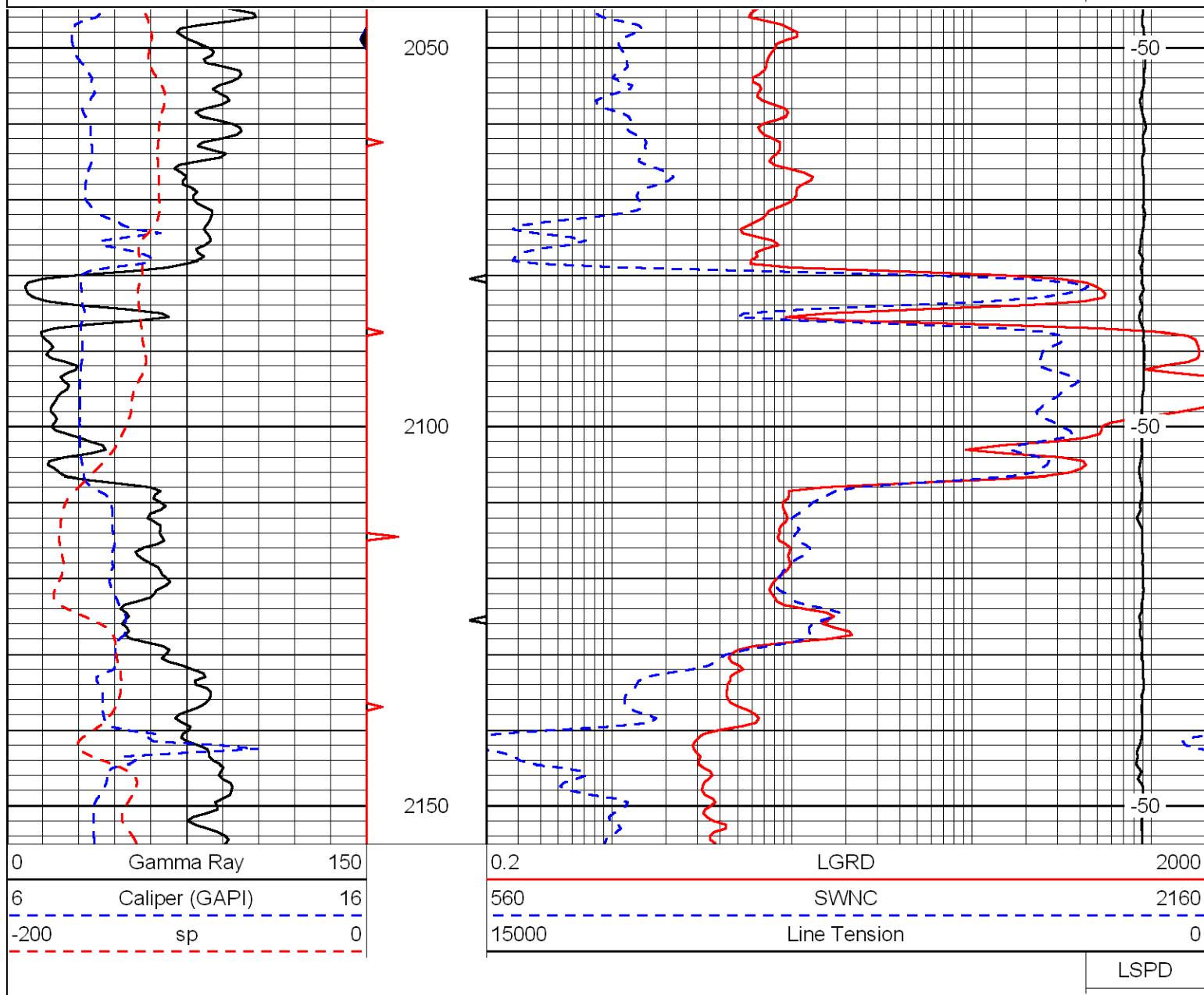
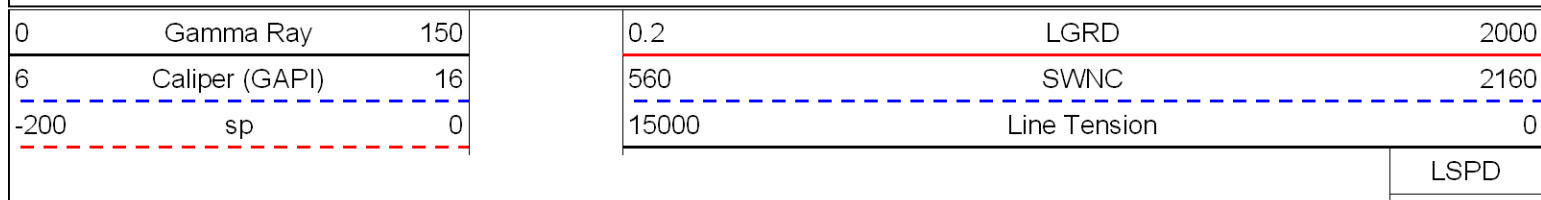
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-31



Database File: nrthrnltshd.db
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 Presentation Format: rag
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0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	sp	0

0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0

LSPD

