



Radiation Guard Log

API No. 15-065-23,830-00-00

Company **WM KS Energy Resources, LLC**

Well **Shaw No. 1**

Field **Morel**

County **Graham**

State

Kansas

Location

330' FNL & 330' FWL

Other Services

None

Sec: 7

Twp: 9S

Rge: 21W

Elevation

K.B. 2261

D.F. Datum

G.L. 2254

Permament Datum

Ground Level

Kelly Bushing

Drilling Measured From Kelly Bushing

Elevation 2254

7 Ft. Above Perm. Datum

Date 6/28/2012

Run Number One

Depth Driller 3894

Depth Logger 3893

Bottom Logged Interval 3892

Top Log Interval 200

Casing Driller 8.625 @ 210

Casing Logger 209

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity.ppm CL 2400

Density / Viscosity 9.3 57

pH / Fluid Loss 10.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp .75 @ 68

Rmf @ Meas. Temp .56 @ 68

Rmc @ Meas. Temp .94 @ 68

Source of Rmf / Rmc Charts

Rm @ BHT .26 @ 115

Operating Rig Time 2 1/2 Hours

Max Rec. Temp. F 115

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Bill Robinson

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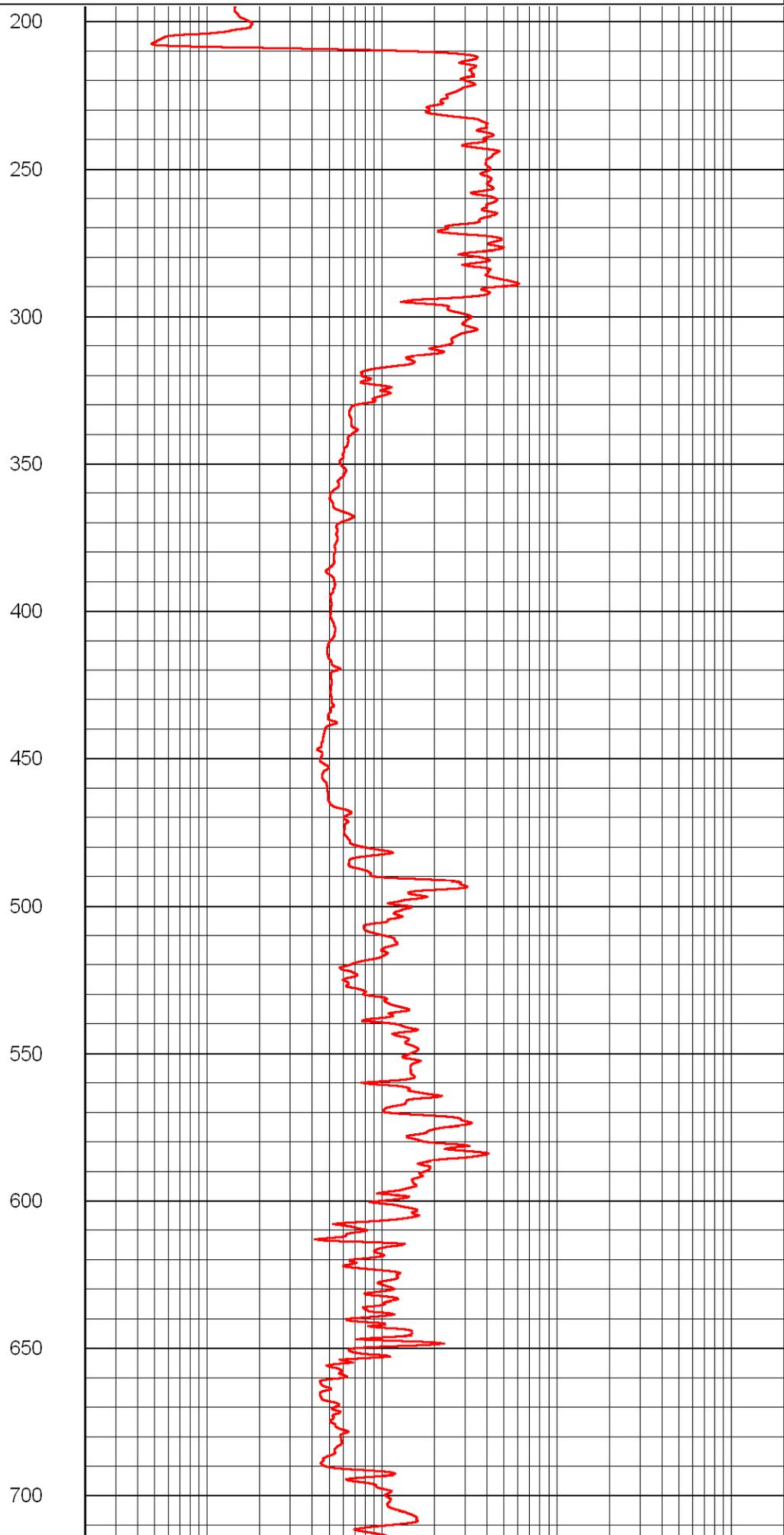
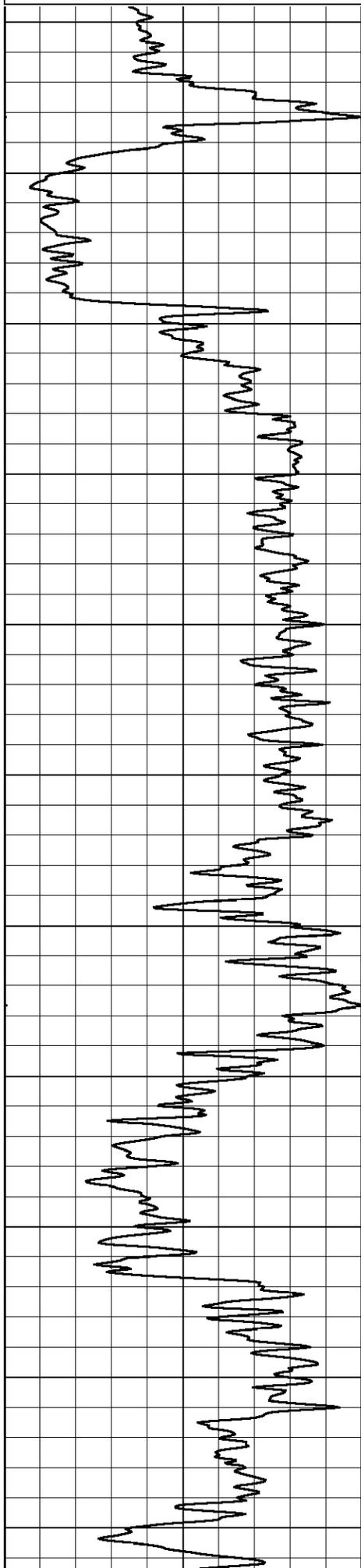
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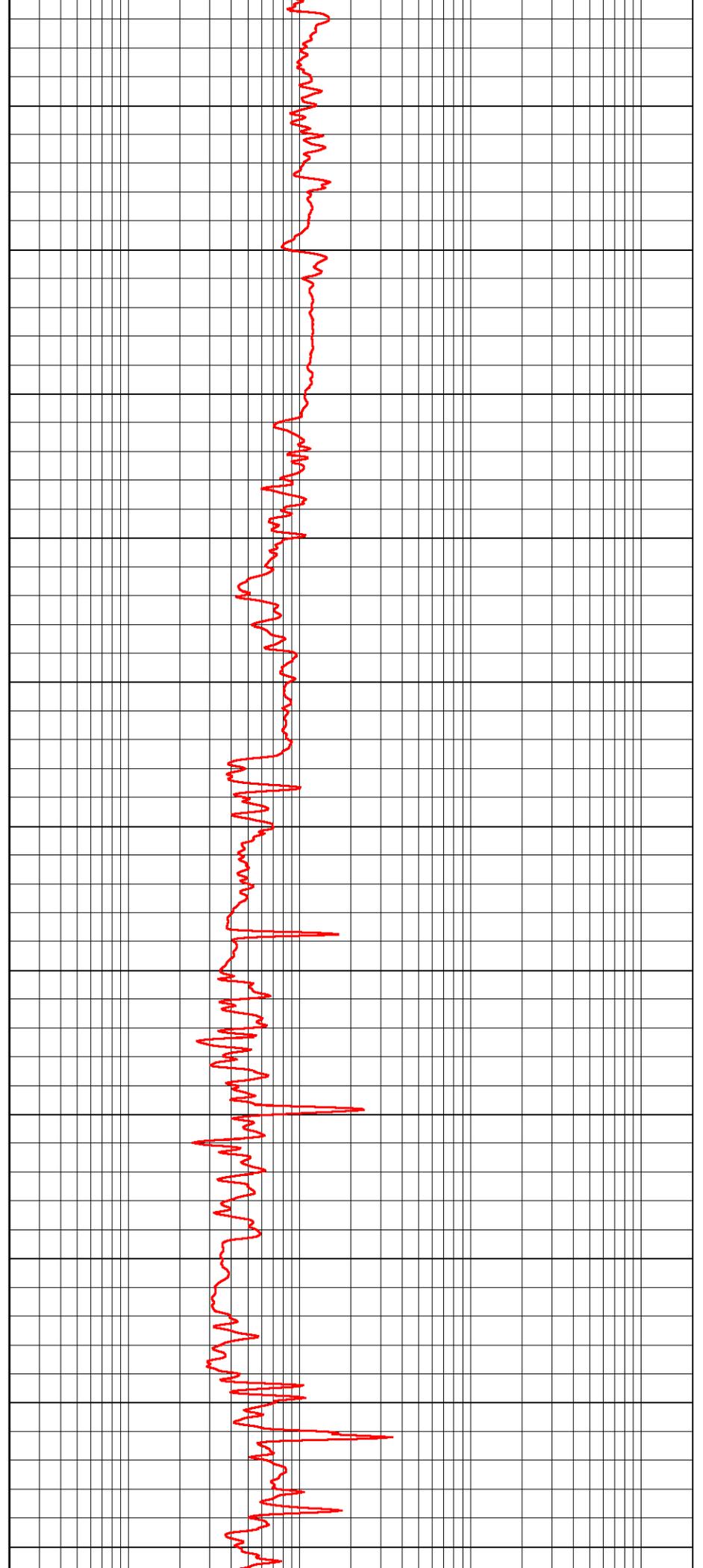
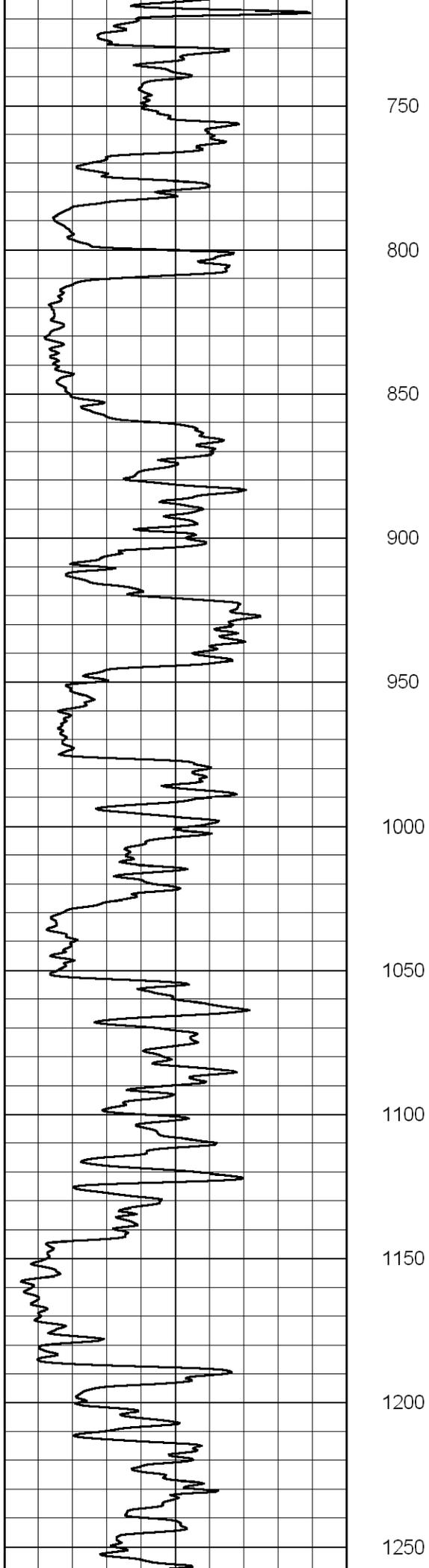
Comments

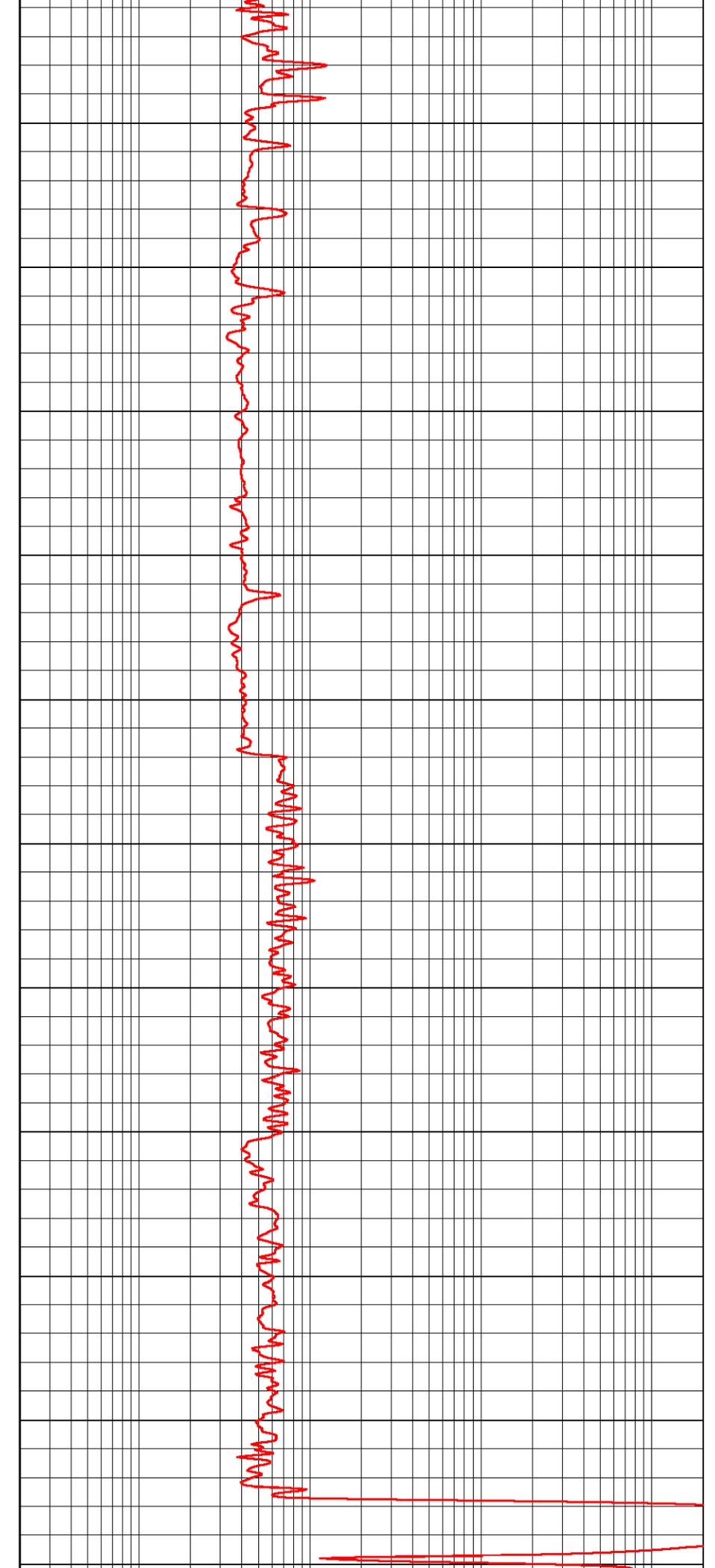
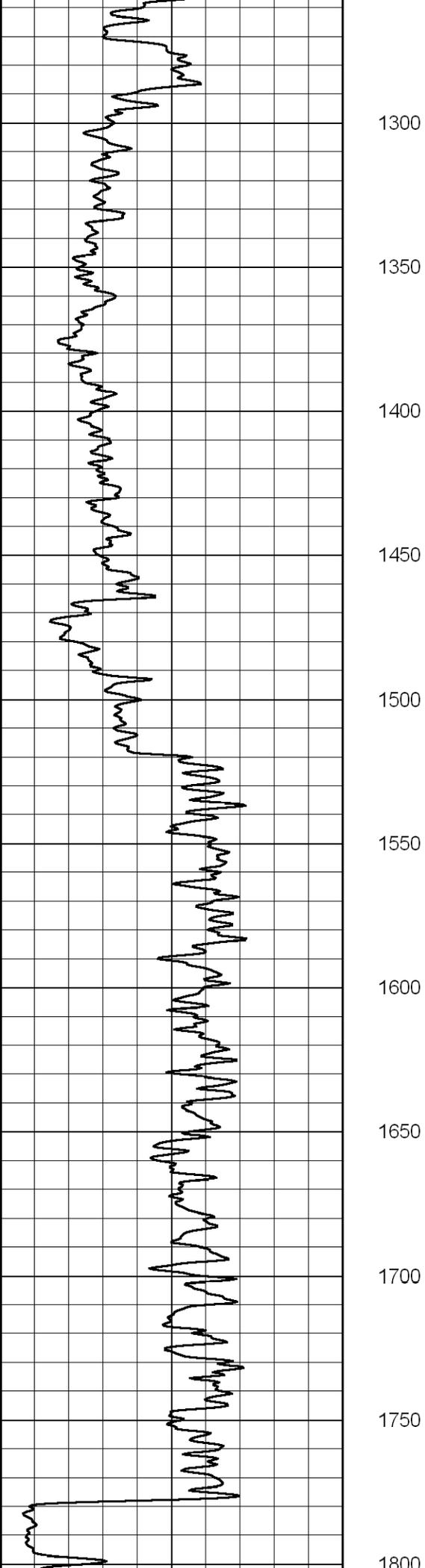
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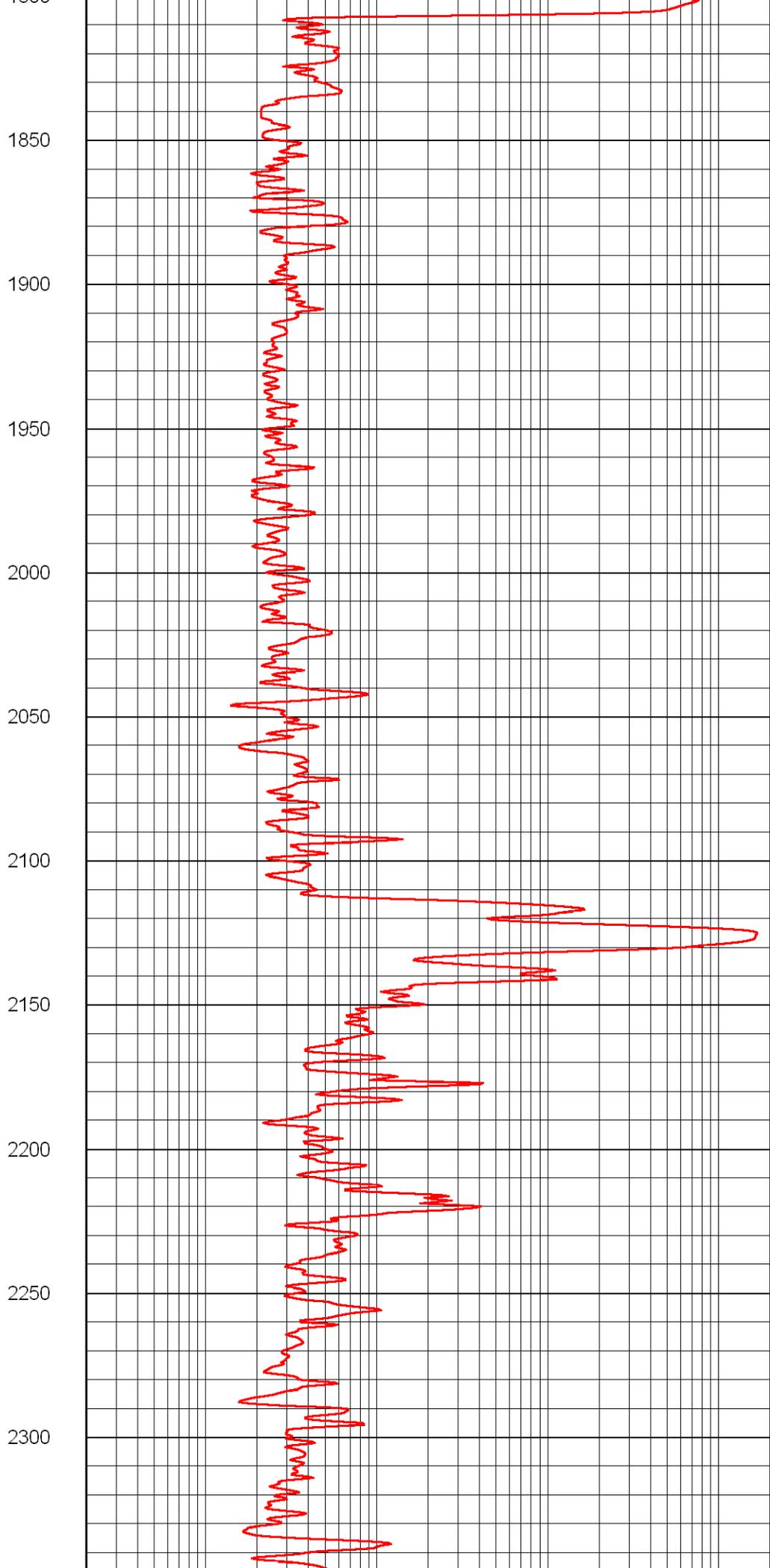
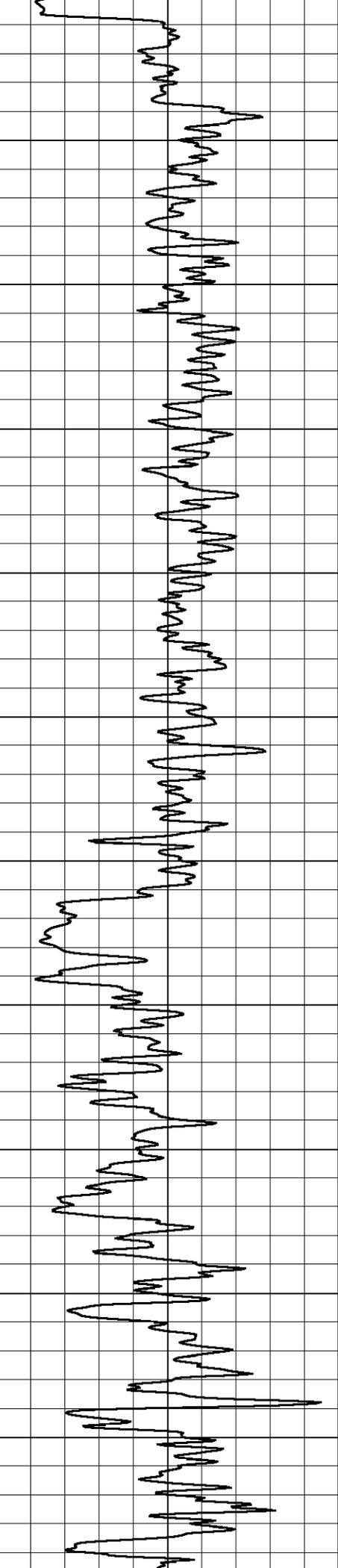
Ellis, North to Red Line Road (Road X), 7 West to County Road 565,
4 North to L Road, 3/4 West,
South Into

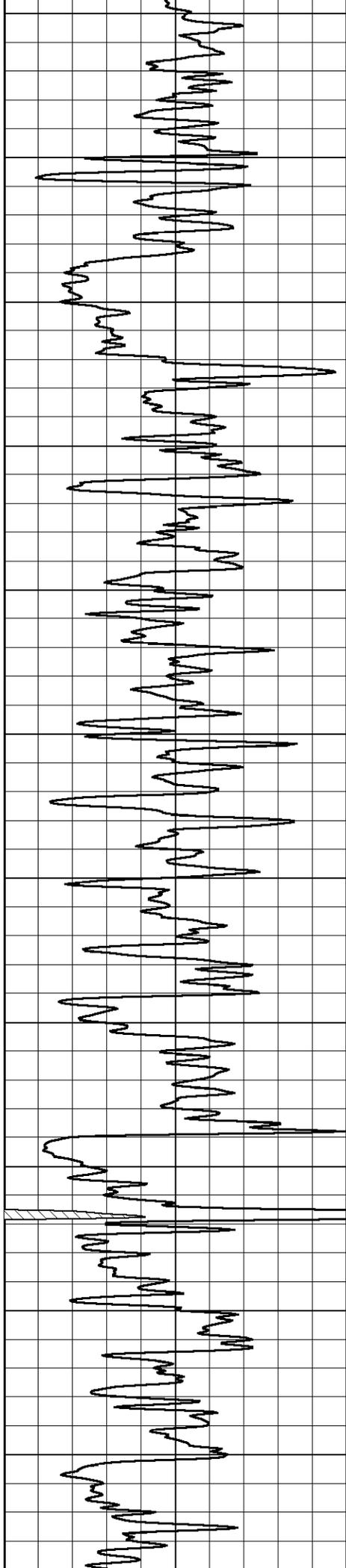
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Presentation Format: rag2in
Dataset Creation: Thu Jun 28 05:48:27 2012
Charted by: Depth in Feet scaled 1:600



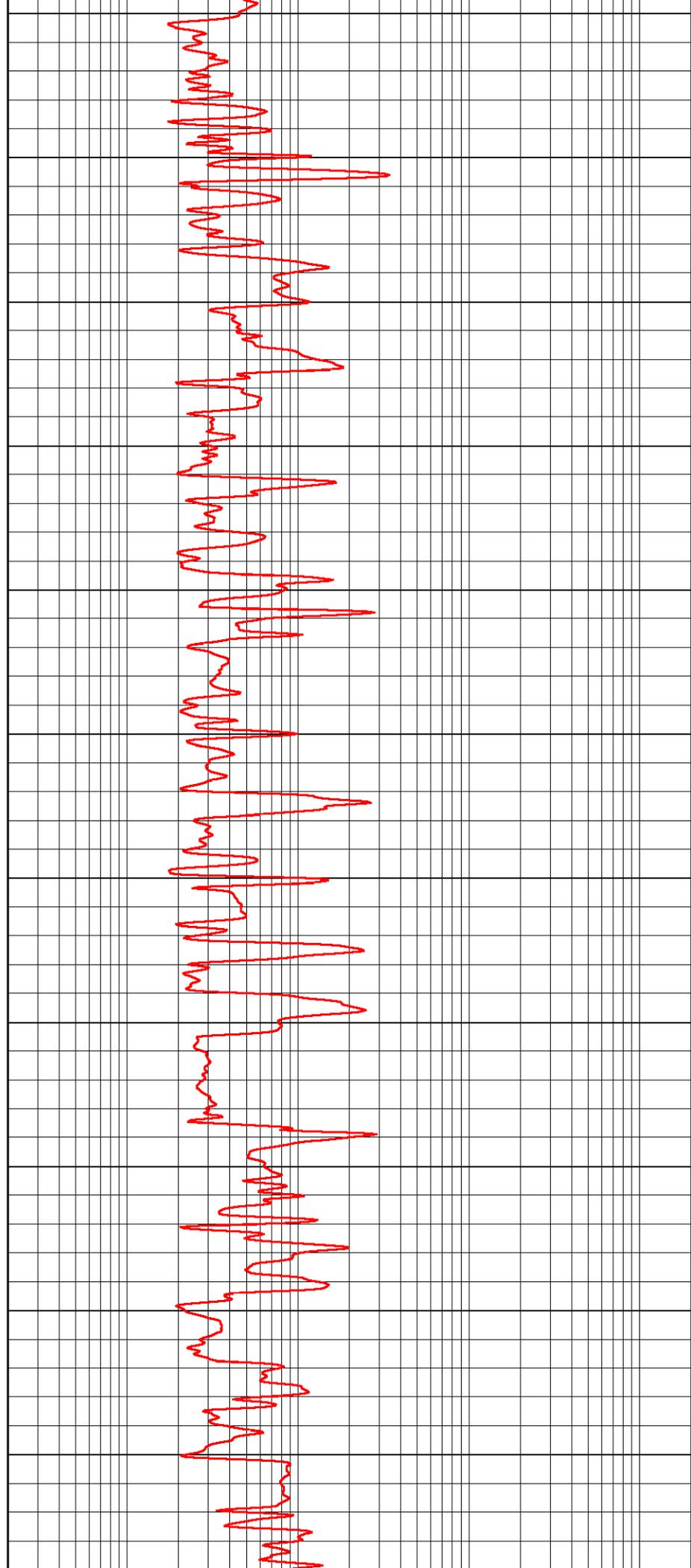


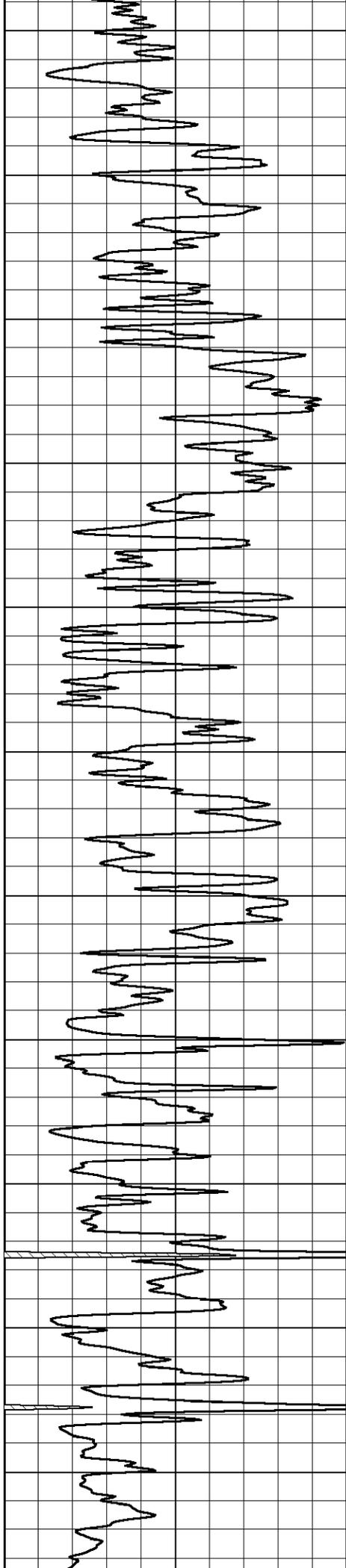






2350
2400
2450
2500
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2600
2650
2700
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2800
2850





2900

2950

3000

3050

3100

3150

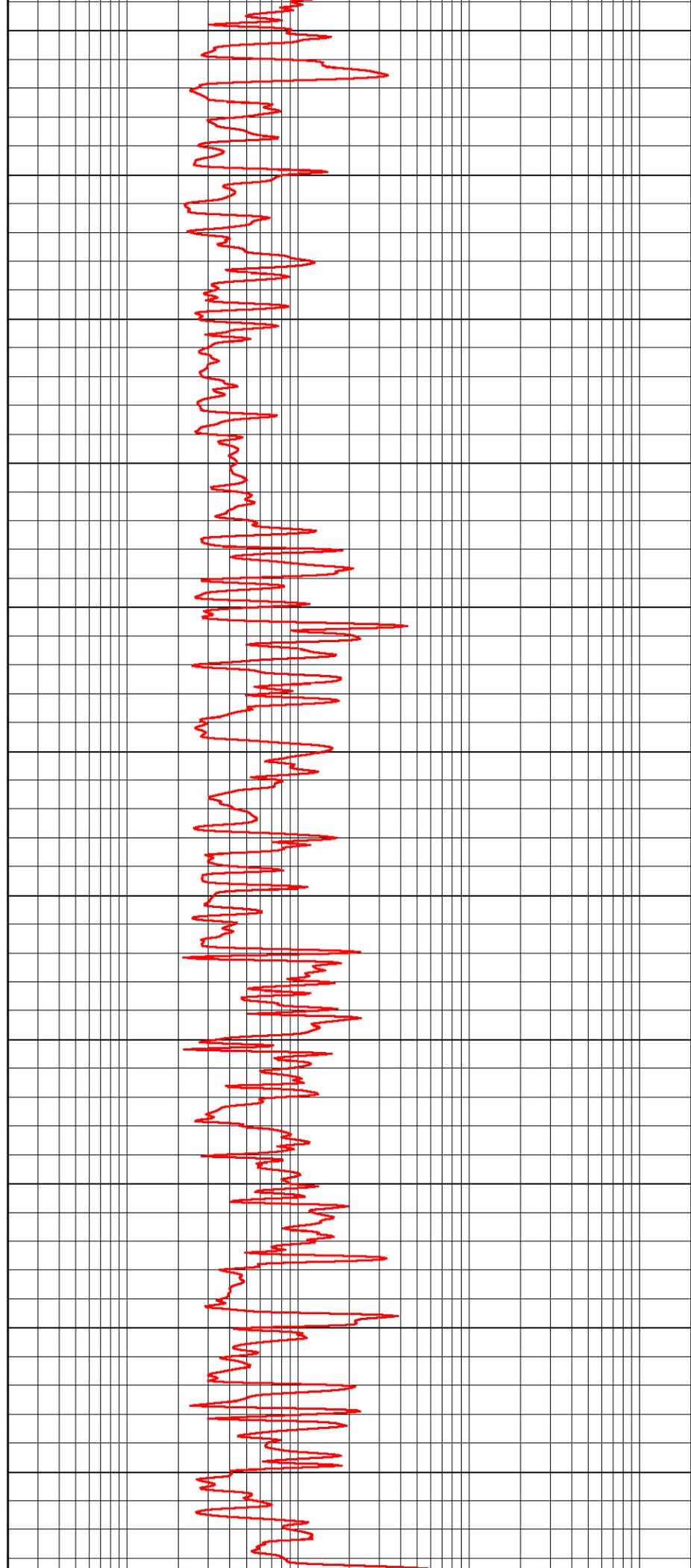
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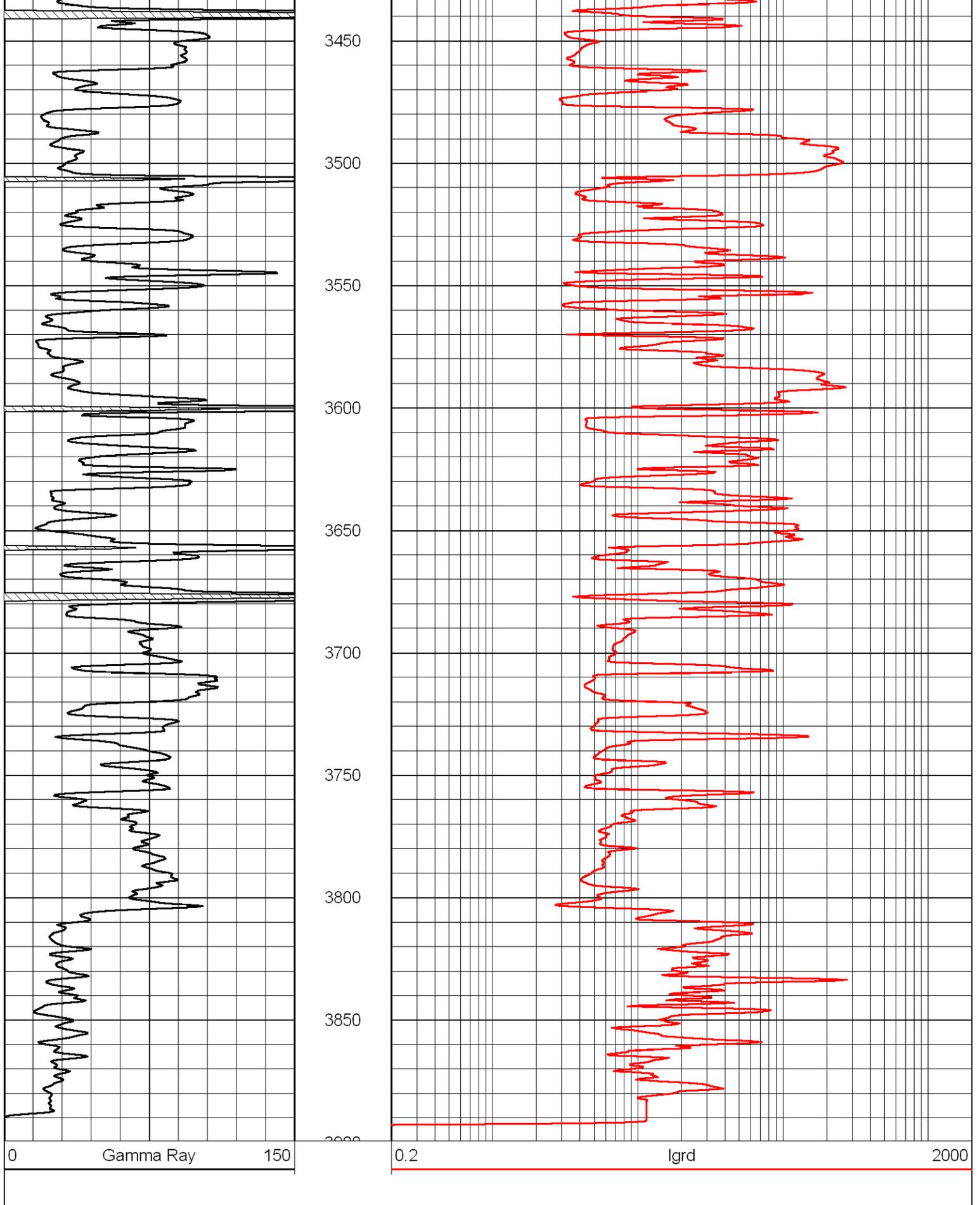
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3300

3350

3400



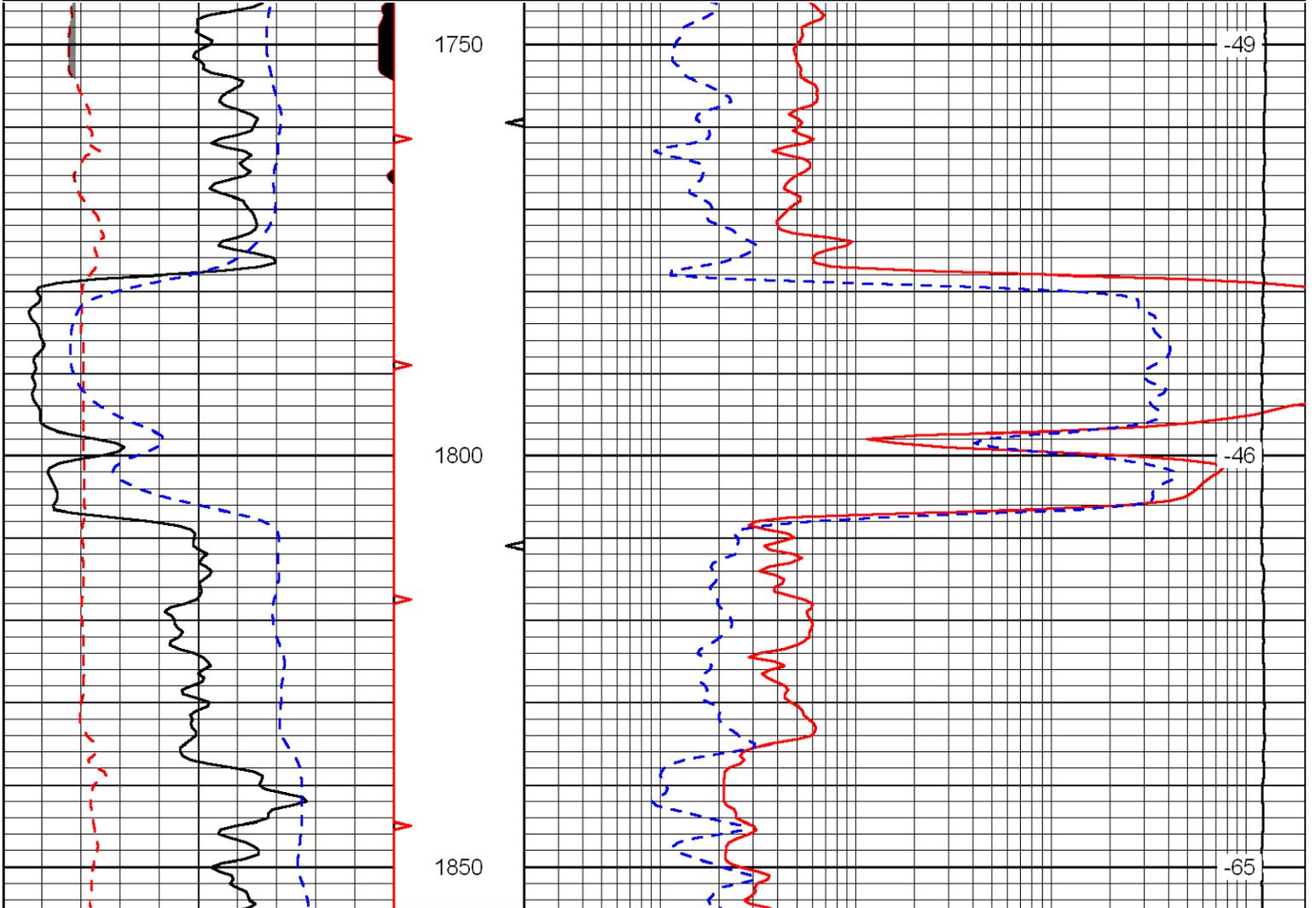


Database File: wmksenergy_shaw_1hd.db
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 Presentation Format: rag
 Dataset Creation: Thu Jun 28 05:48:27 2012

Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	sp	0
0	RWA	0.5

0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0
		LSPD



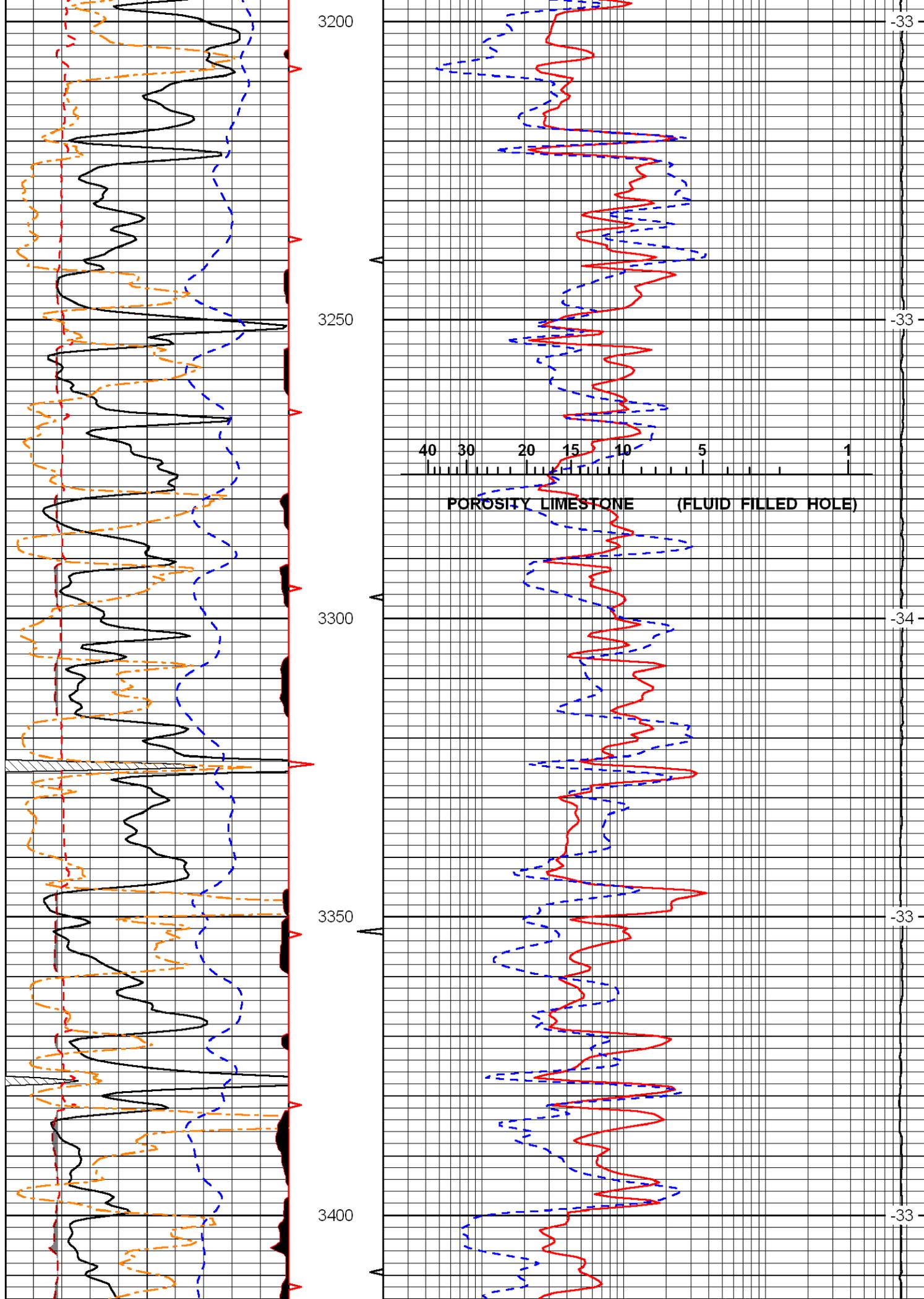
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-200	sp	0
0	RWA	0.5

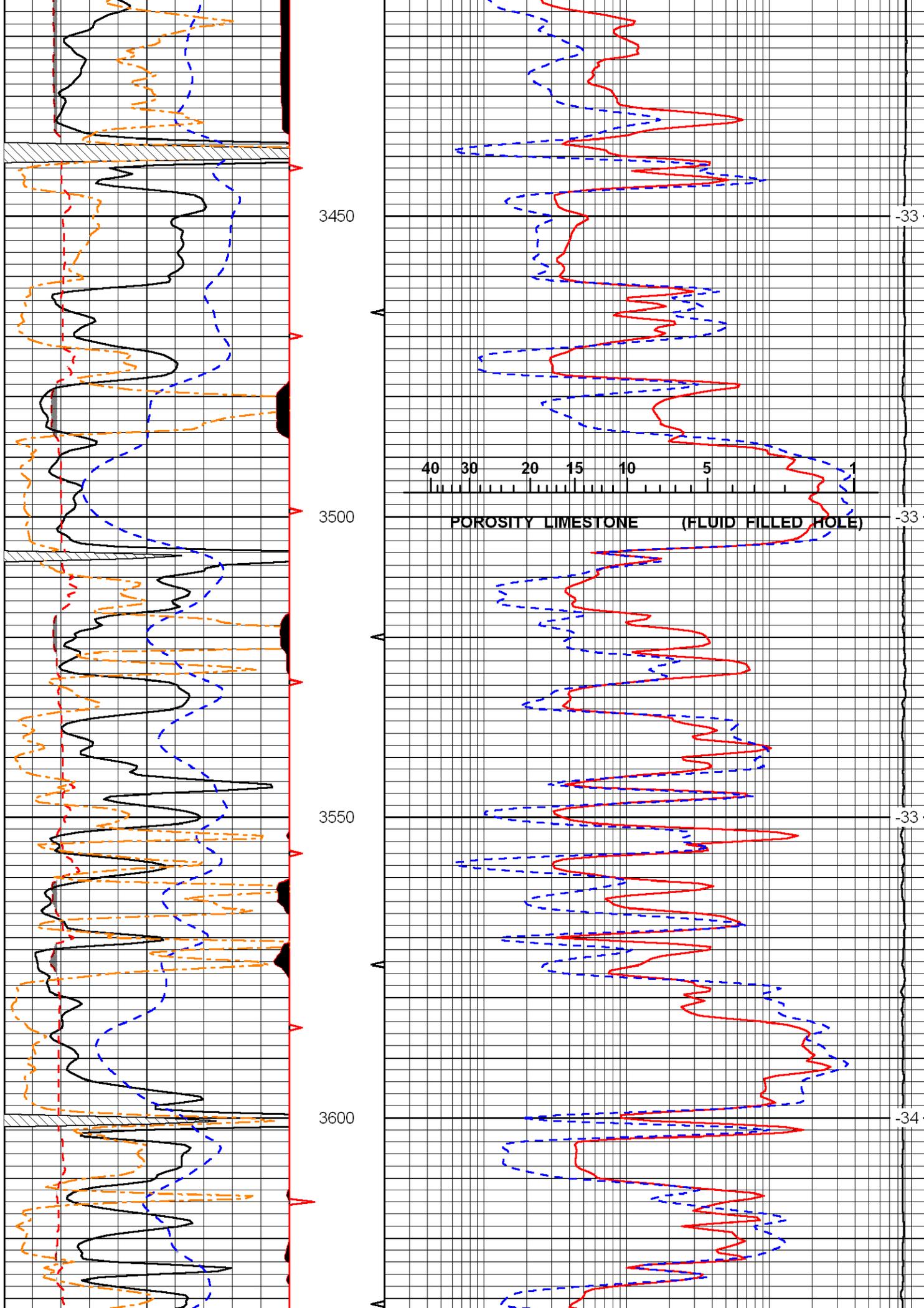
0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0
		LSPD

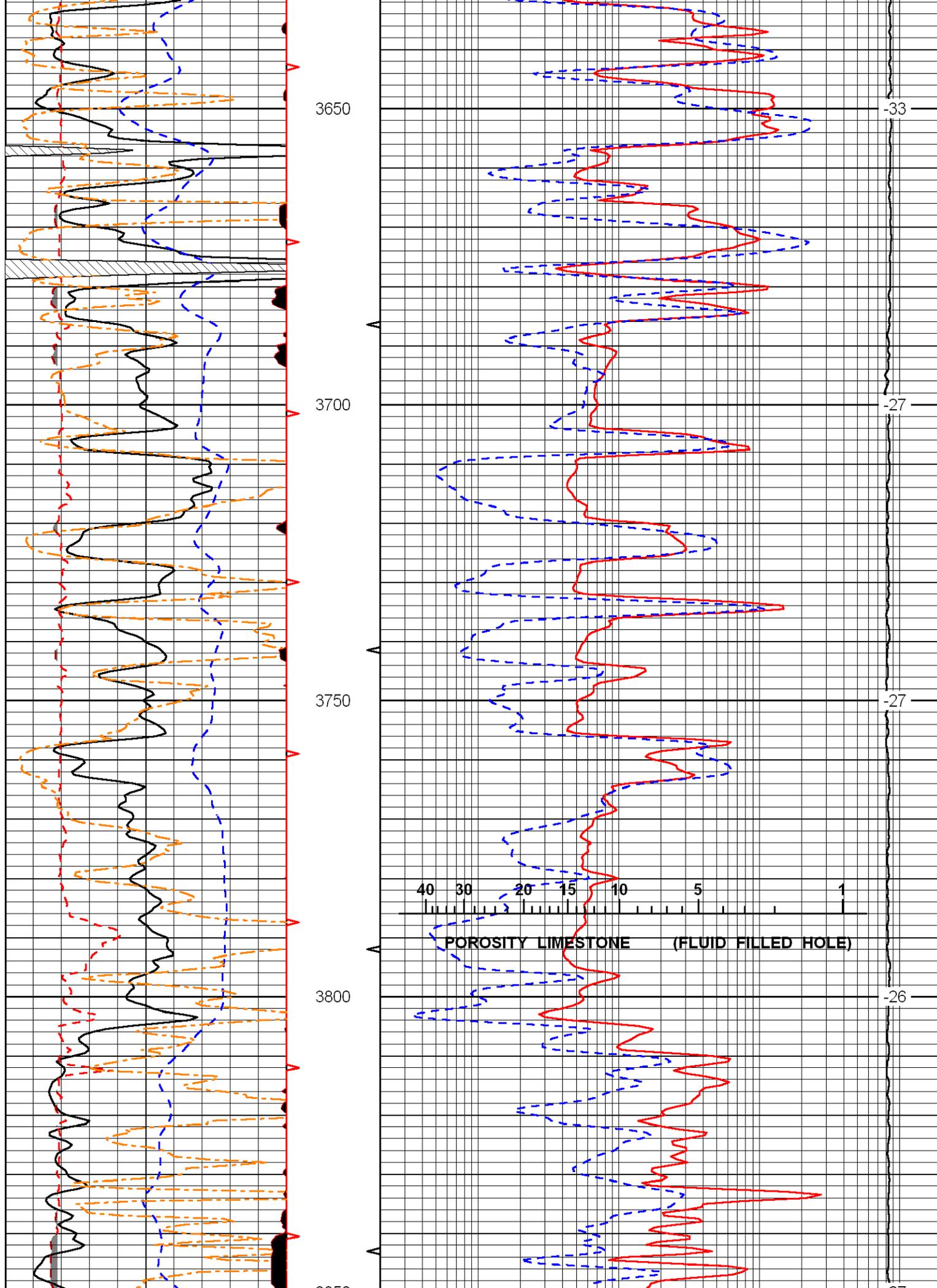
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 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	sp	0
0	RWA	0.5

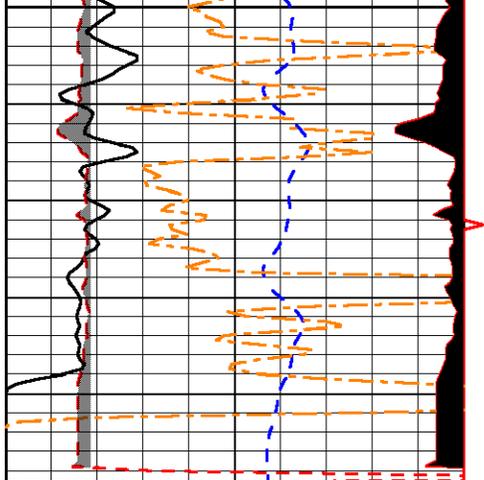
0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0
		LSPD



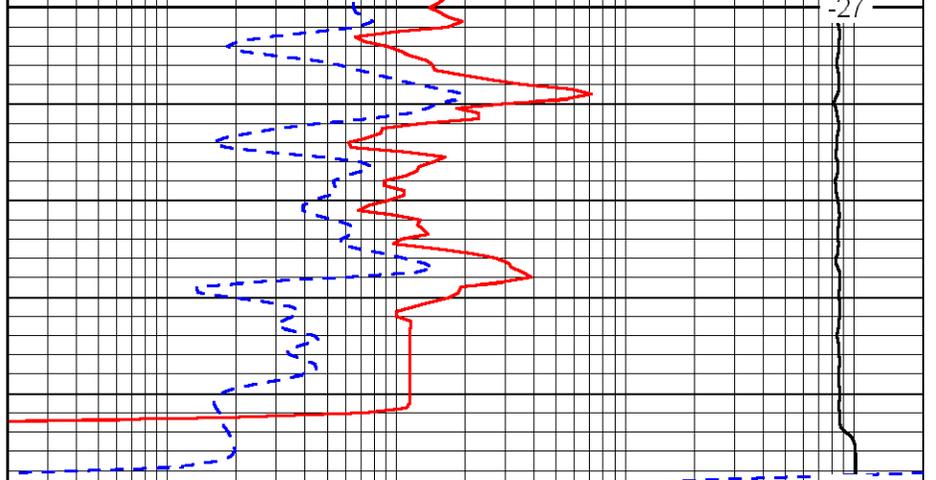




3850



0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	sp	0
0	RWA	0.5



0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0
		LSPD

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