



Pioneer Energy Services

Radiation Guard Log

15-153-21,079-00-00

API No.

Company **Berexco, LLC**
 Well **Moser 'B' #5-4**
 Field **Wildcat**
 County **Rawlins** State **Kansas**

Location **500' FSL & 330' FWL**

Sec: **4** Twp: **1S** Rge: **36W**

Other Services
MEL

Permanent Datum **Ground Level** Elevation **3055**
 Log Measured From **Kelly Bushing** **11** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
K.B. 3066
D.F. 3055
G.L. 3055

Date	12/14/2014
Run Number	One
Depth Driller	4500
Depth Logger	4500
Bottom Logged Interval	4499
Top Log Interval	250
Casing Driller	8.625 @ 312
Casing Logger	300
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1,000
Density / Viscosity	9.3 79
pH / Fluid Loss	10.5 6.4
Source of Sample	Flowline
Rm @ Meas. Temp	1.2 @ 60
Rmf @ Meas. Temp	.9 @ 60
Rmc @ Meas. Temp	1.62 @ 60
Source of Rmf / Rmc	Charts
Rm @ BHT	.6 @ 121
Operating Rig Time	4 Hours
Max Rec. Temp. F	121
Equipment Number	10
Location	Hays
Recorded By	C. Desaire
Witnessed By	Bryan Bynog

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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.

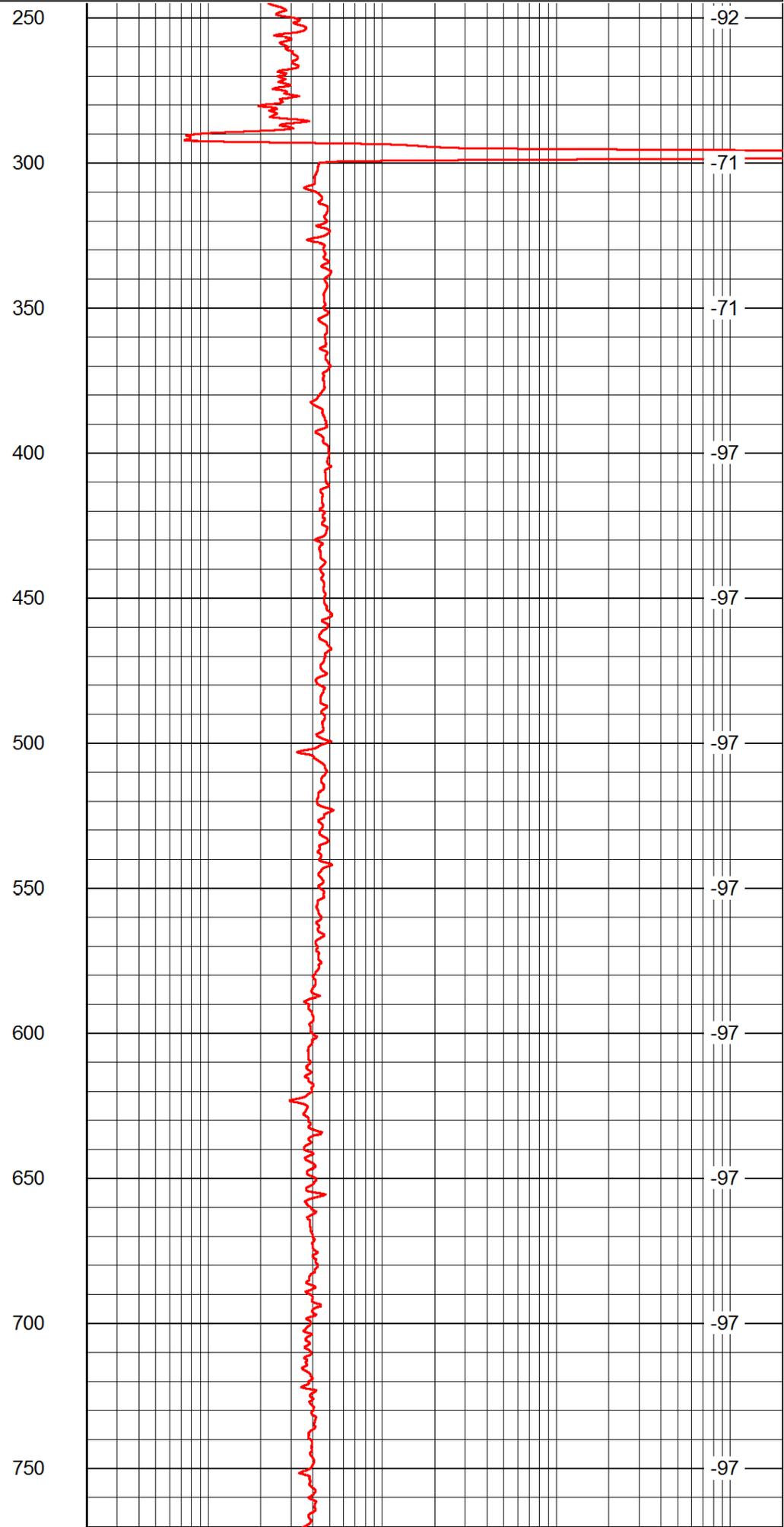
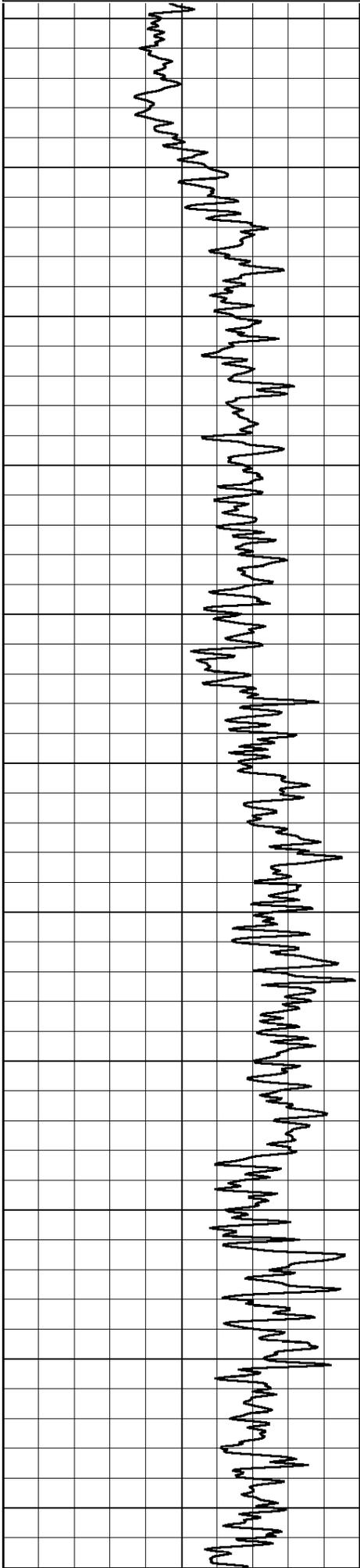
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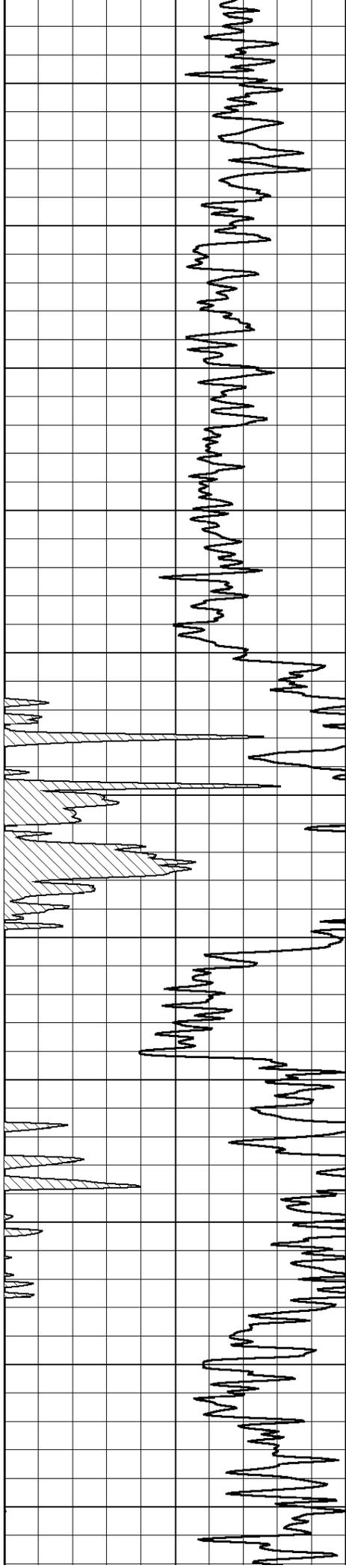
Thank you for using Pioneer Energy Services
www.pioneeres.com
 785 625 3858

McDonald KS, 14 N from Hwy,
 Left at Y for 1 mile, W Into

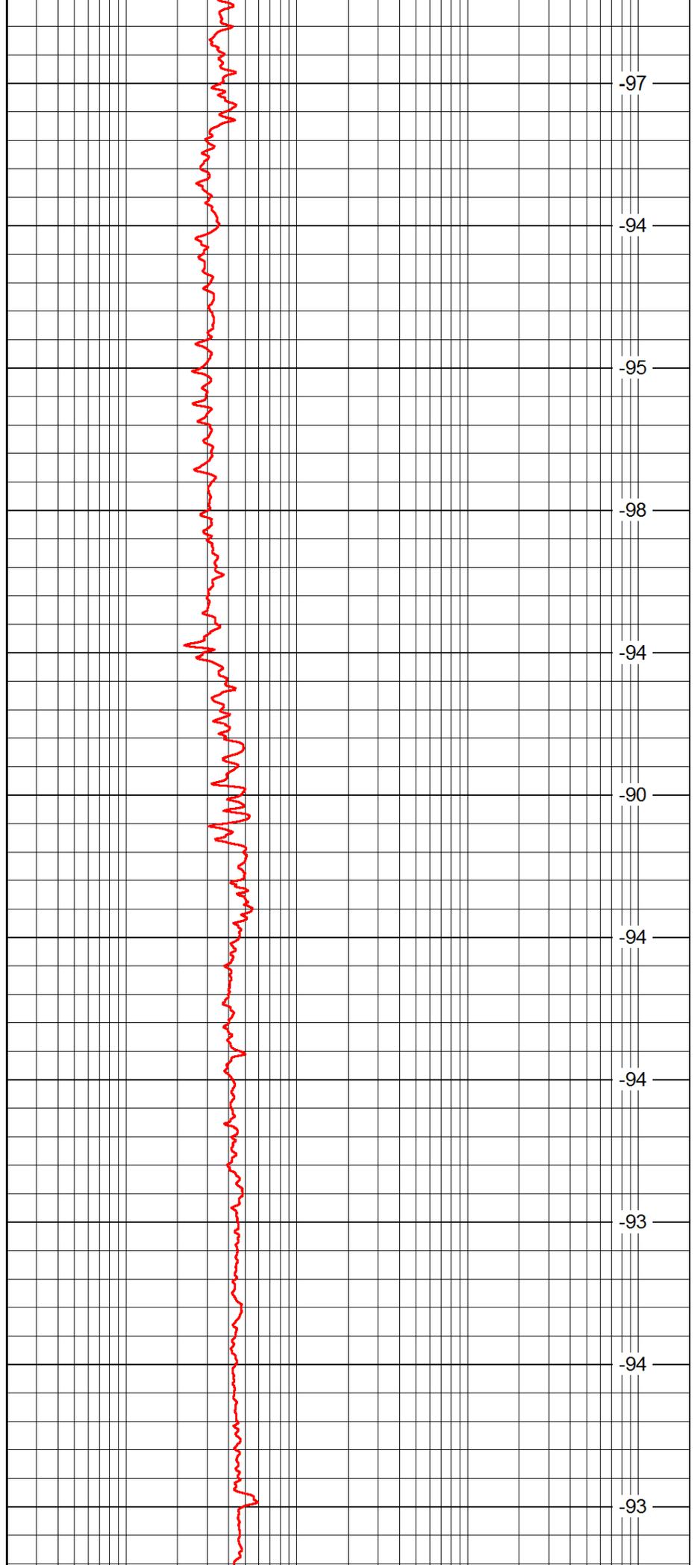
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LSPD

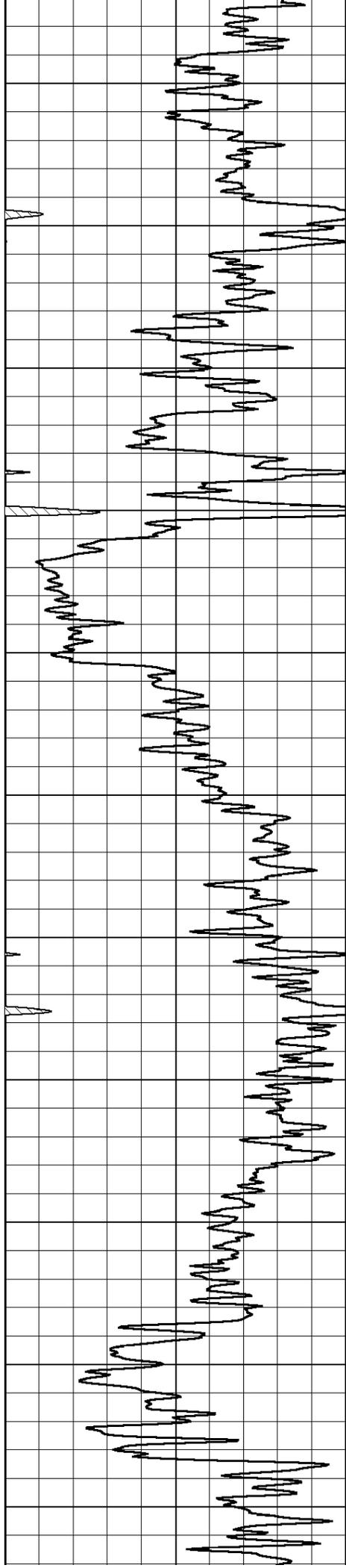




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850
900
950
1000
1050
1100
1150
1200
1250
1300



-97
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-90
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-93



1350

1400

1450

1500

1550

1600

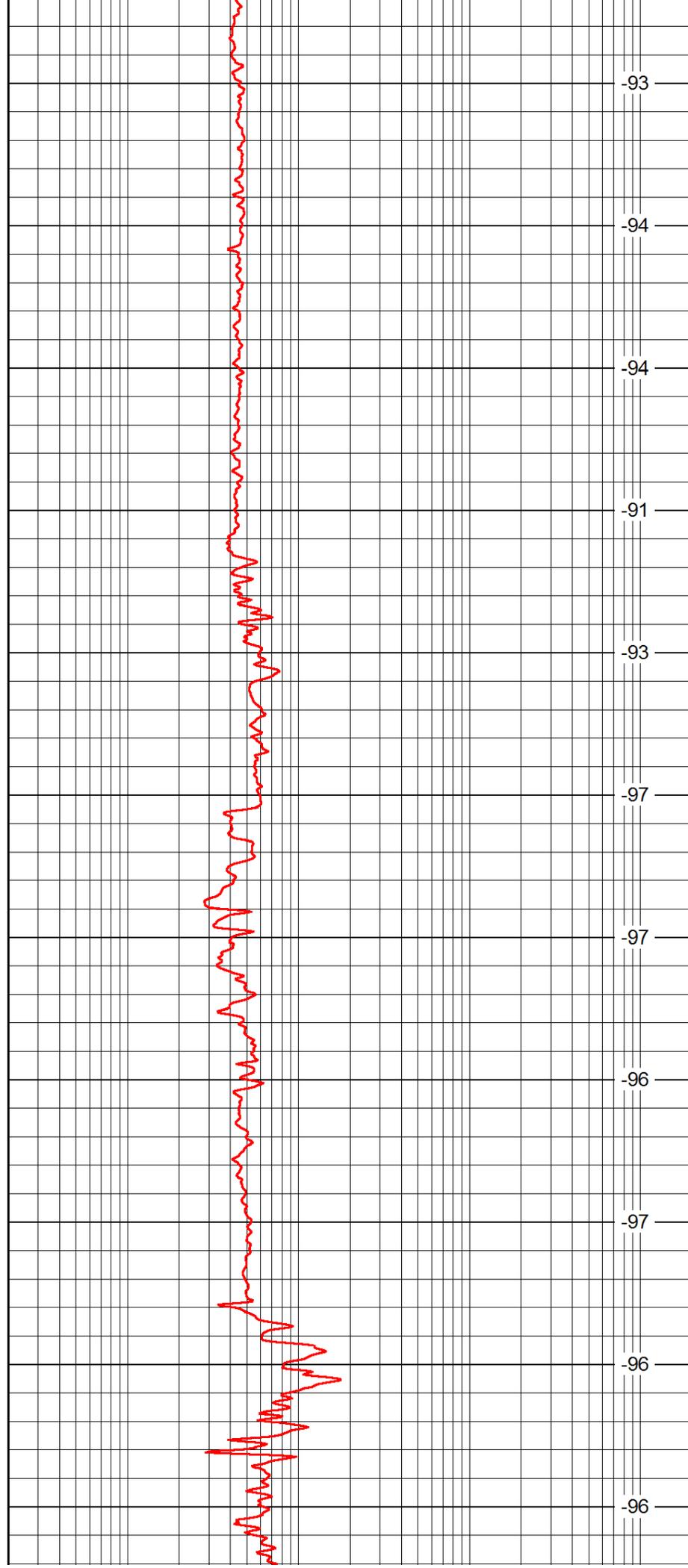
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1700

1750

1800

1850



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-91

-93

-97

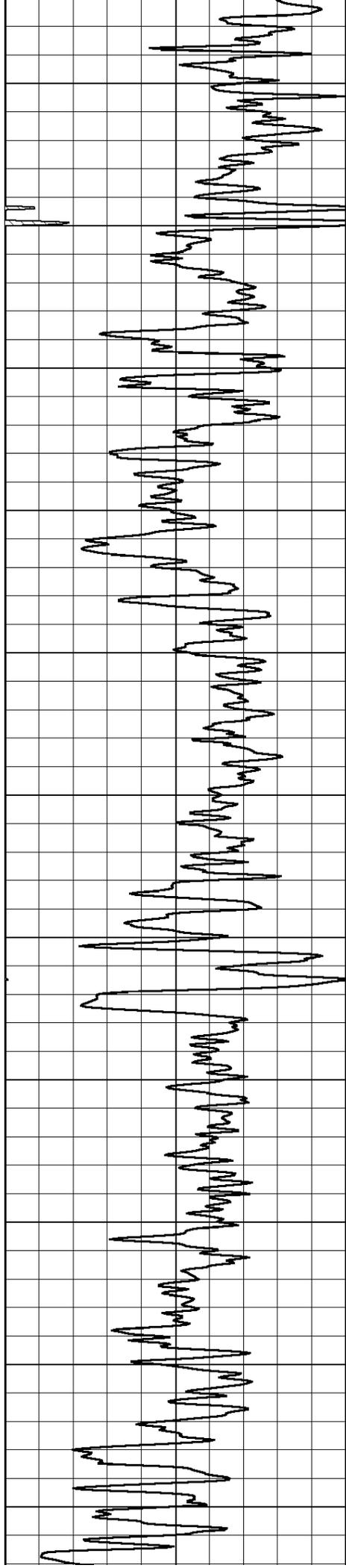
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1950

2000

2050

2100

2150

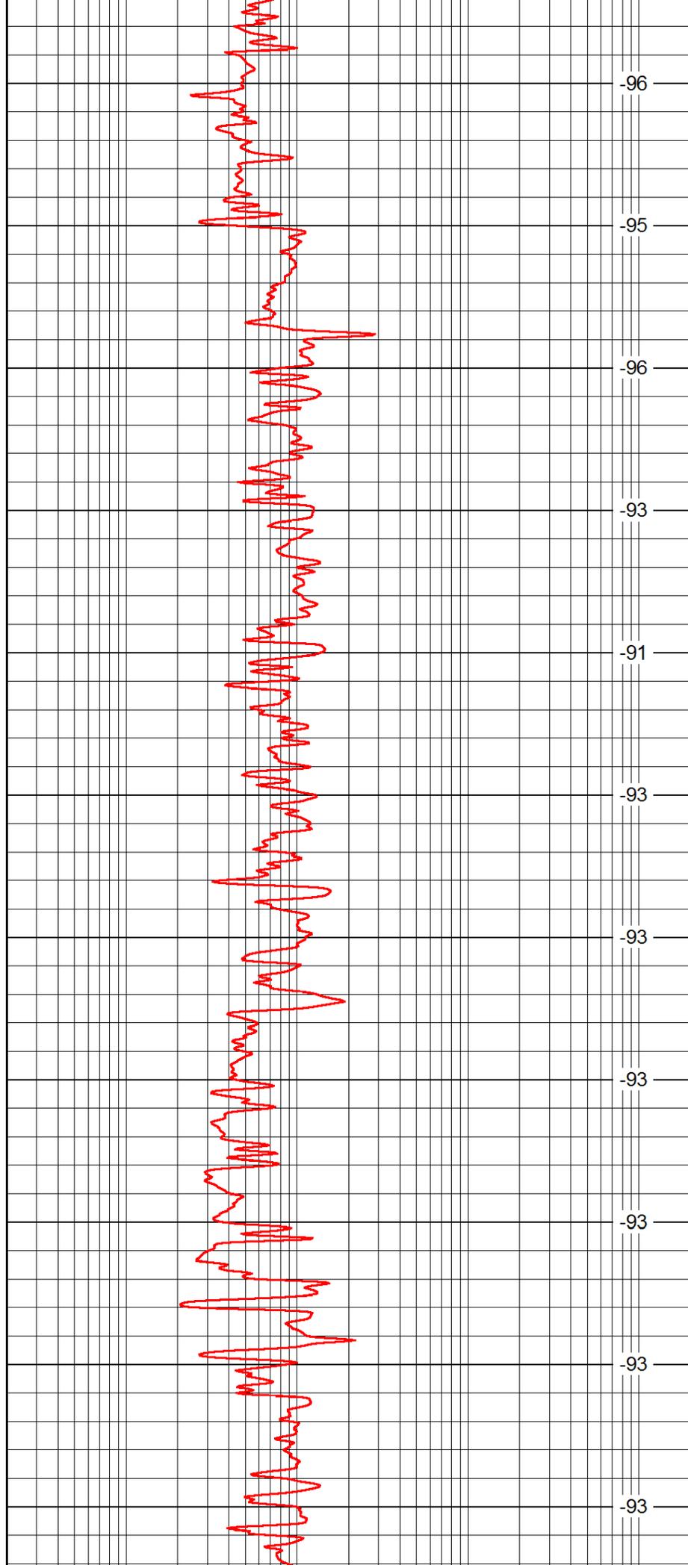
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2250

2300

2350

2400



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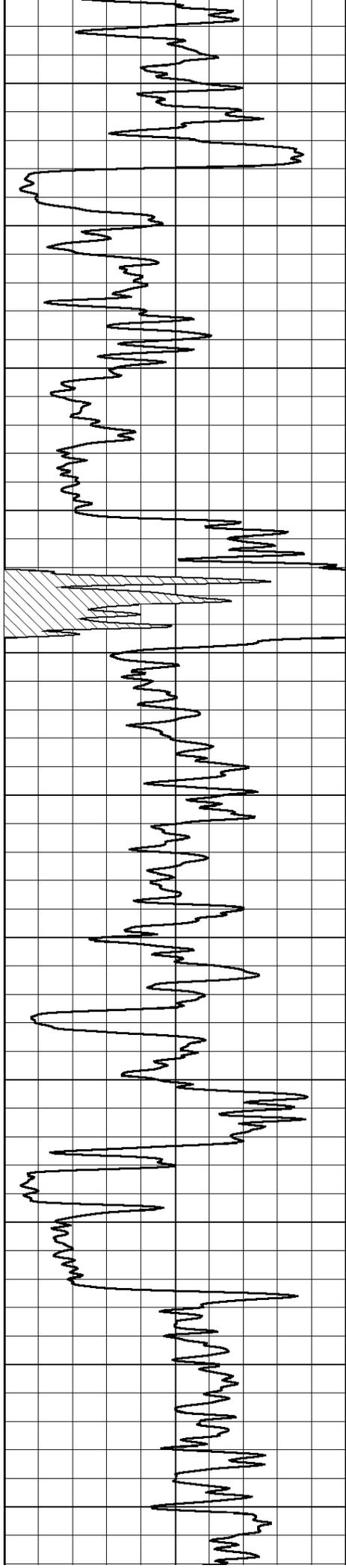
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2450

2500

2550

2600

2650

2700

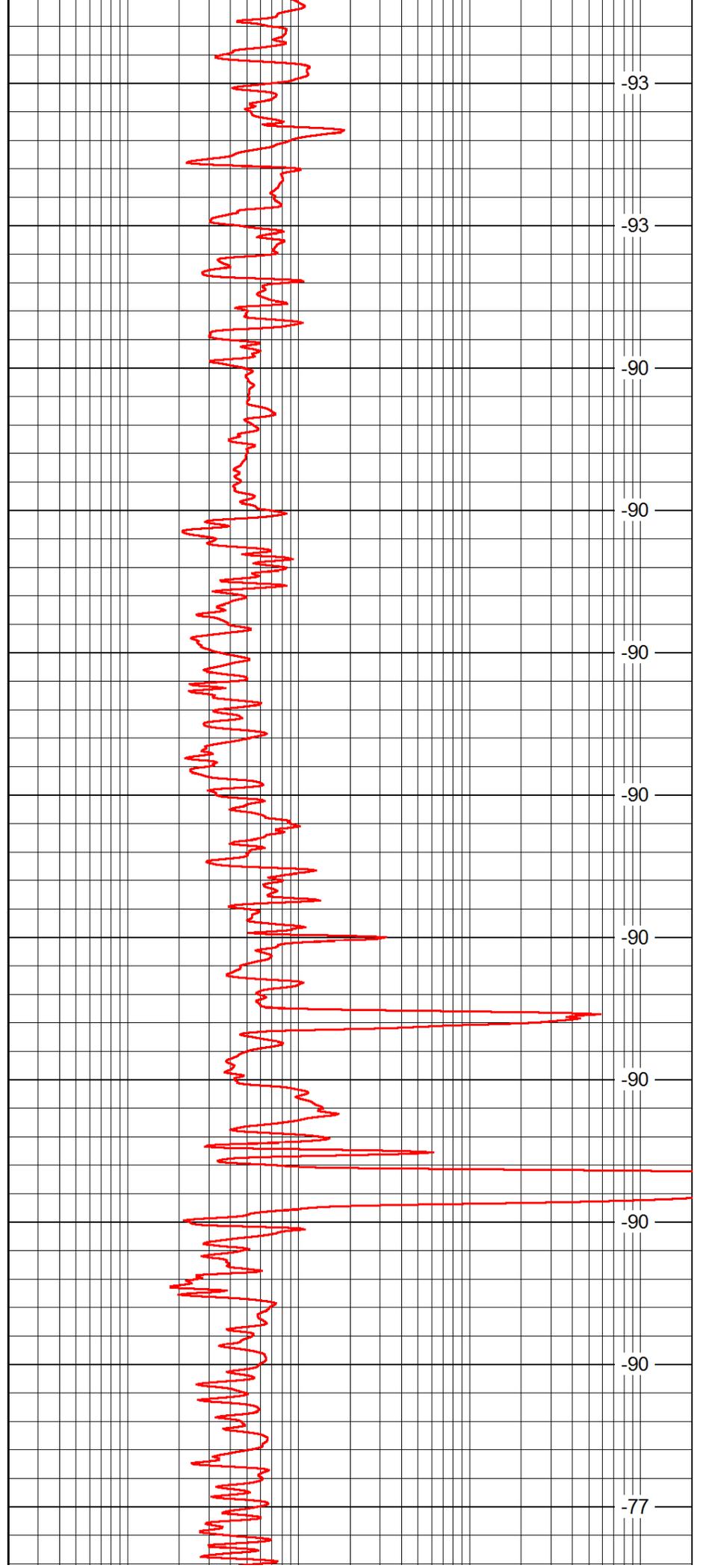
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2800

2850

2900

2950



-93

-93

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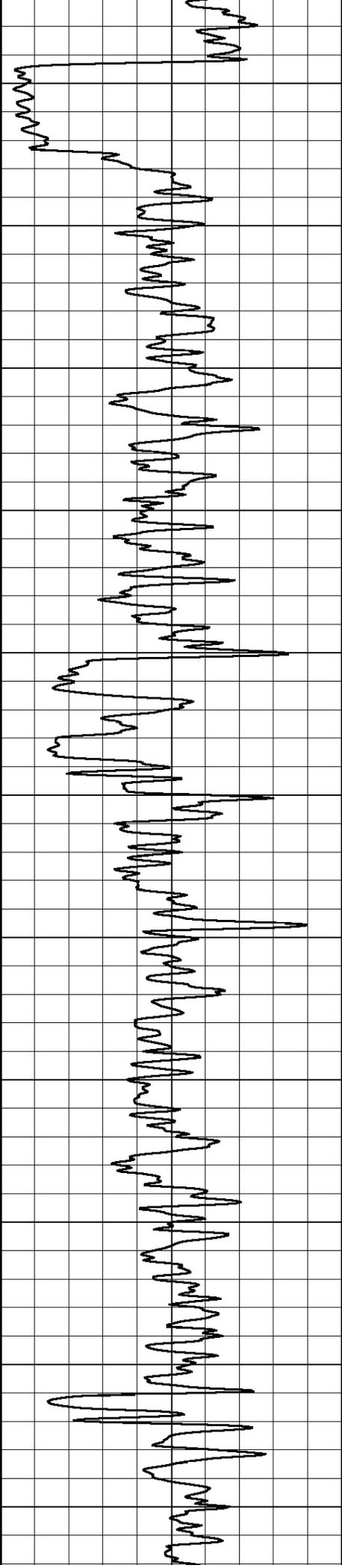
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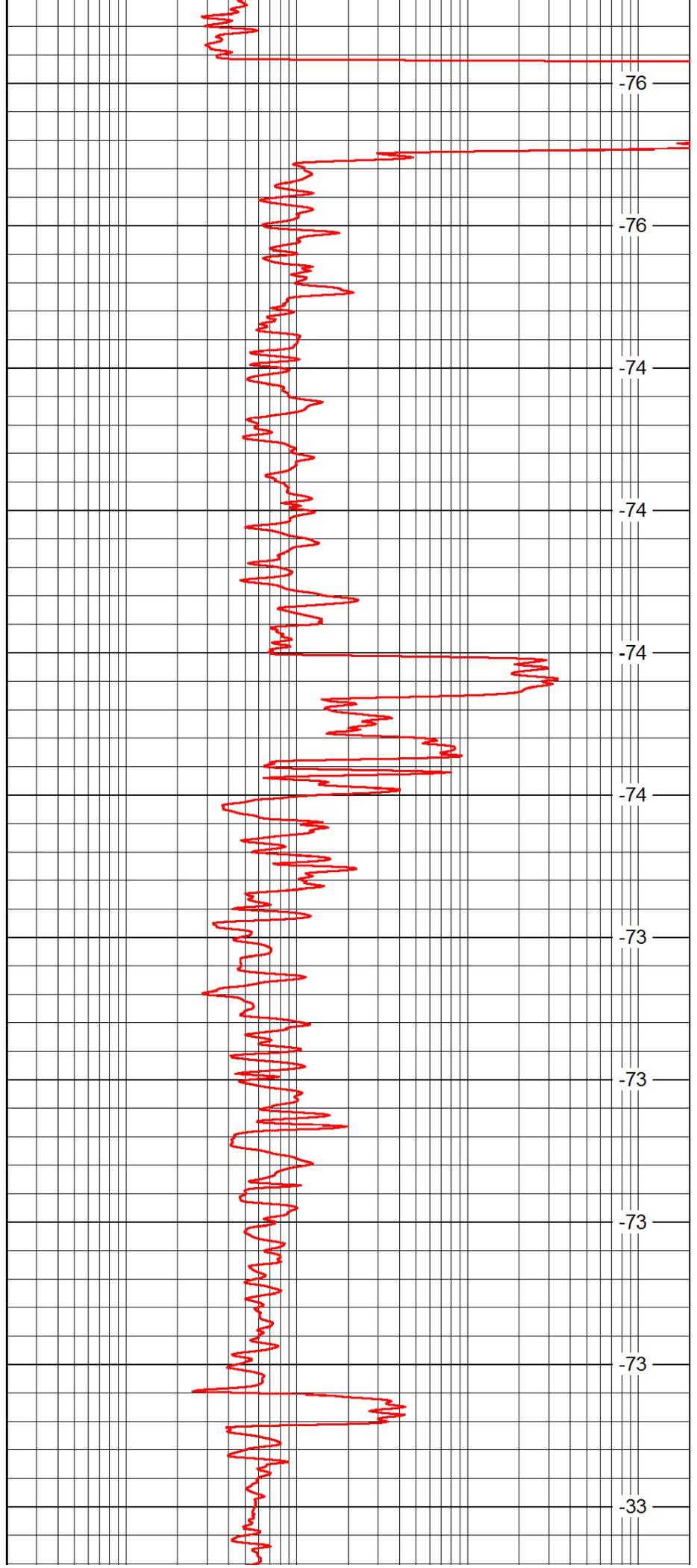
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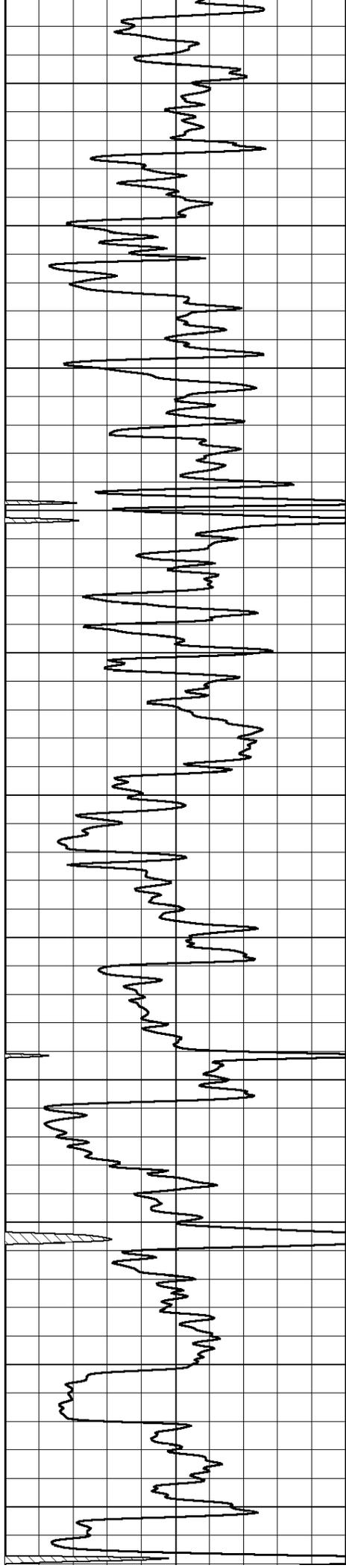
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3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500



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-74
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-73
-33



3550

3600

3650

3700

3750

3800

3850

3900

3950

4000

4050

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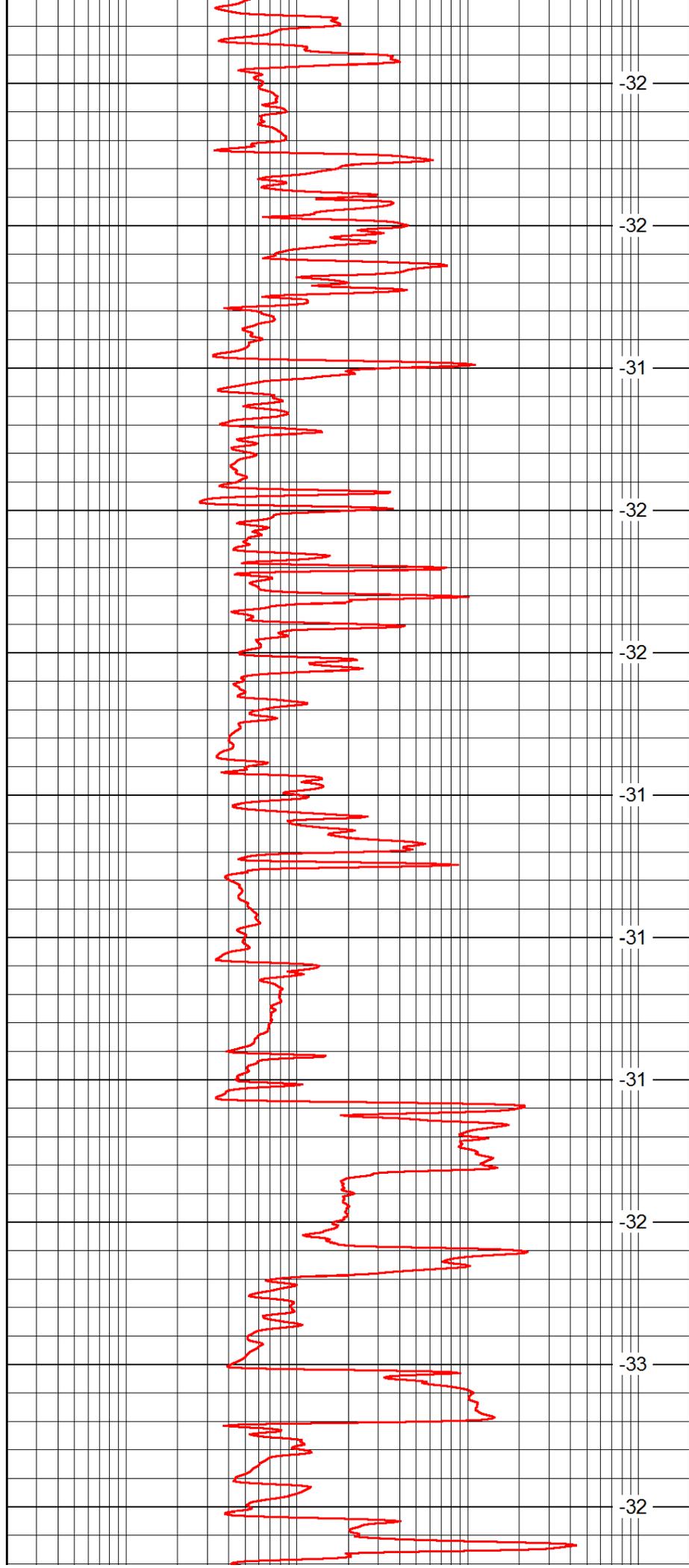
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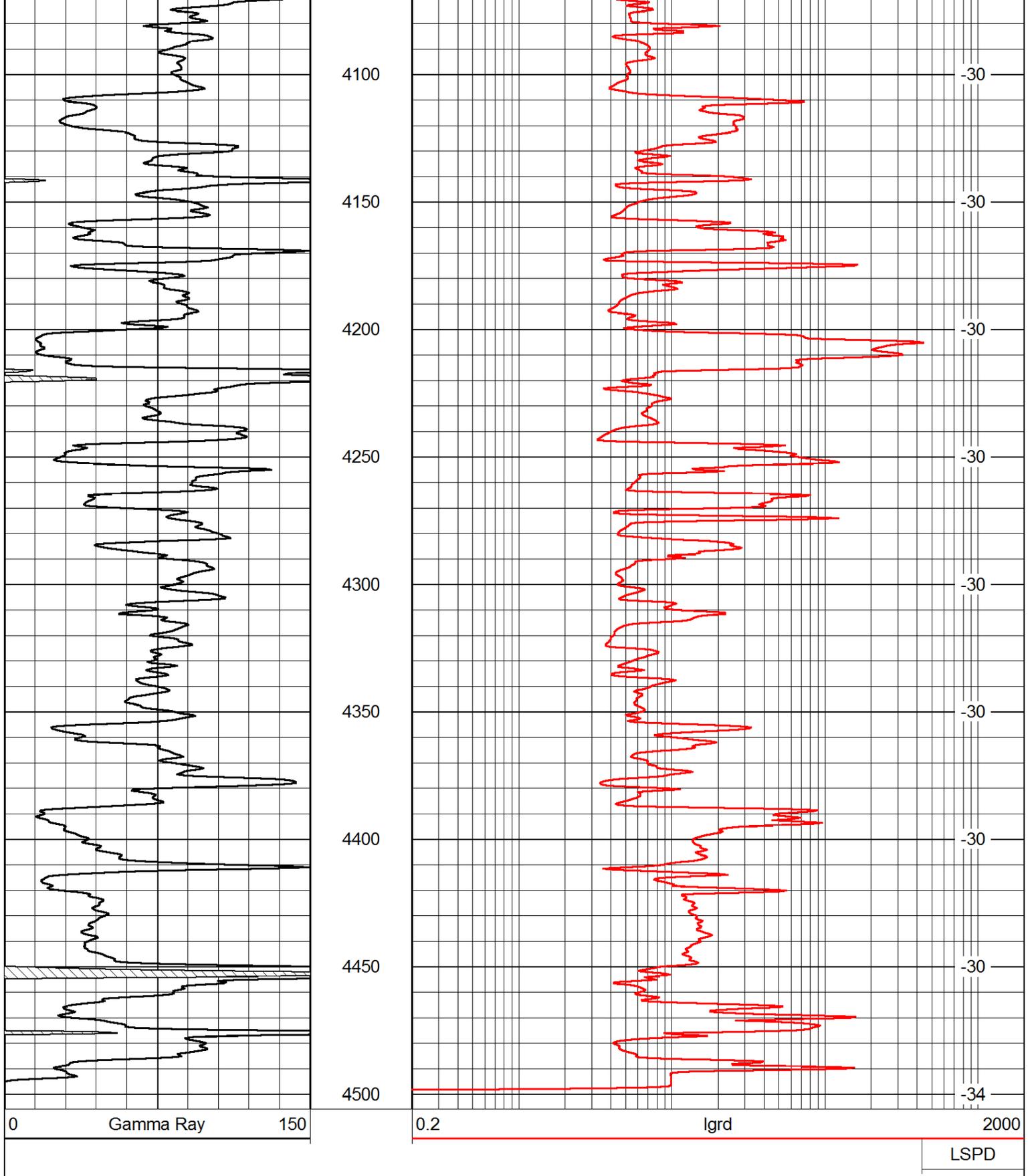
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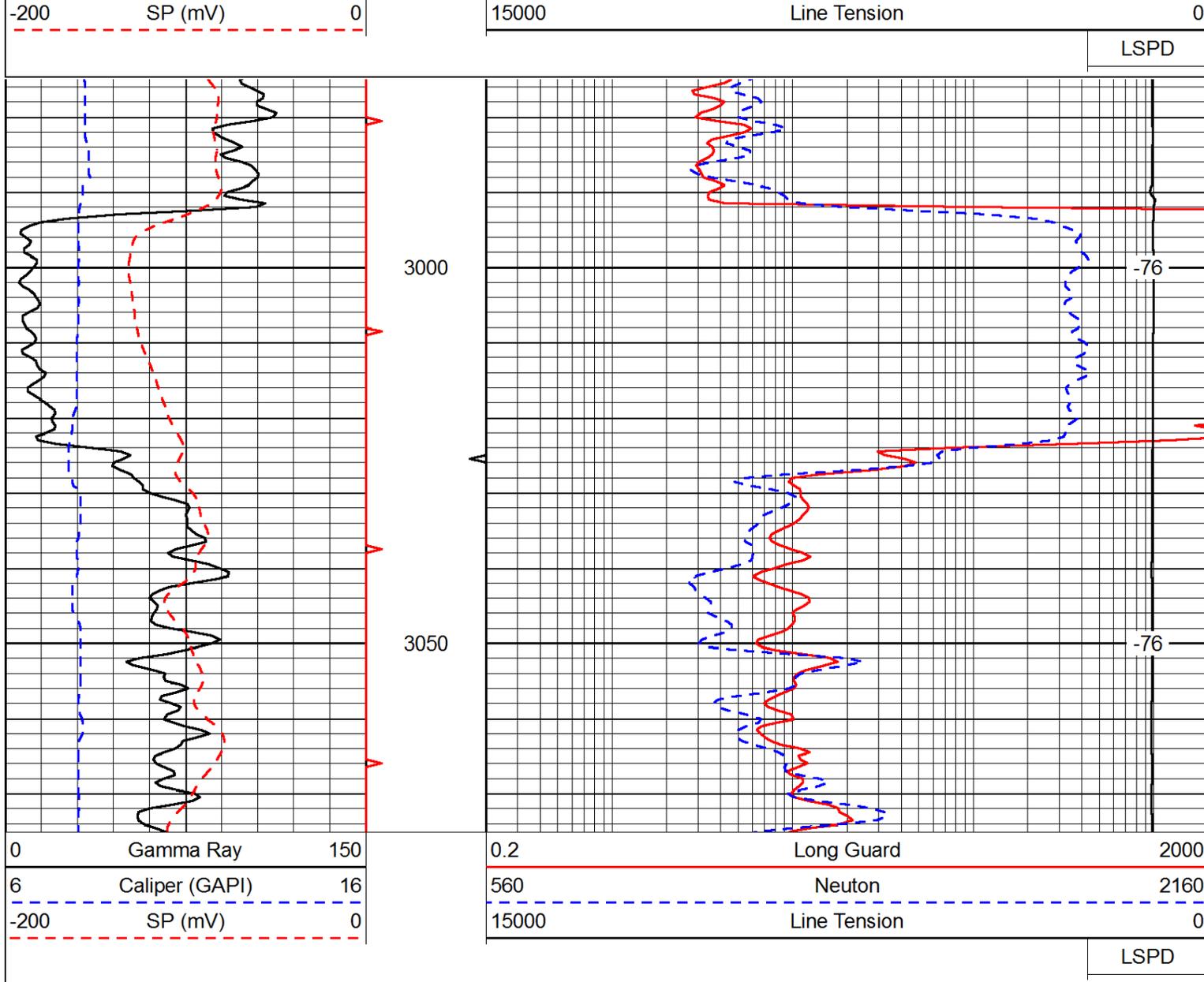




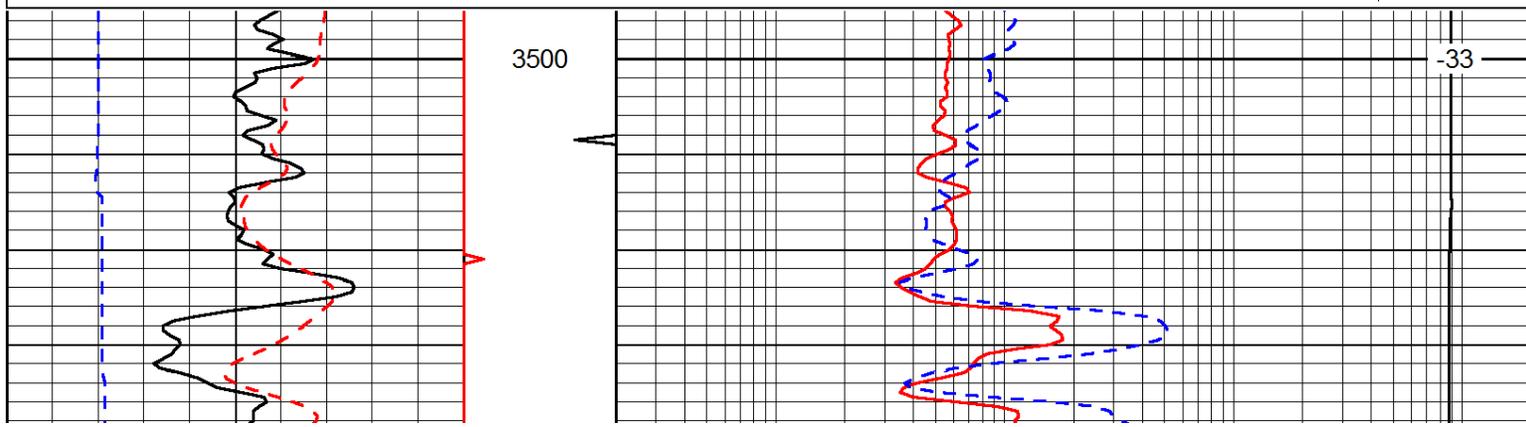
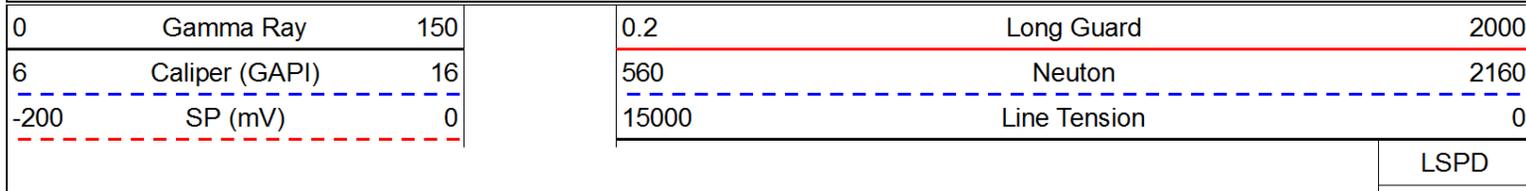
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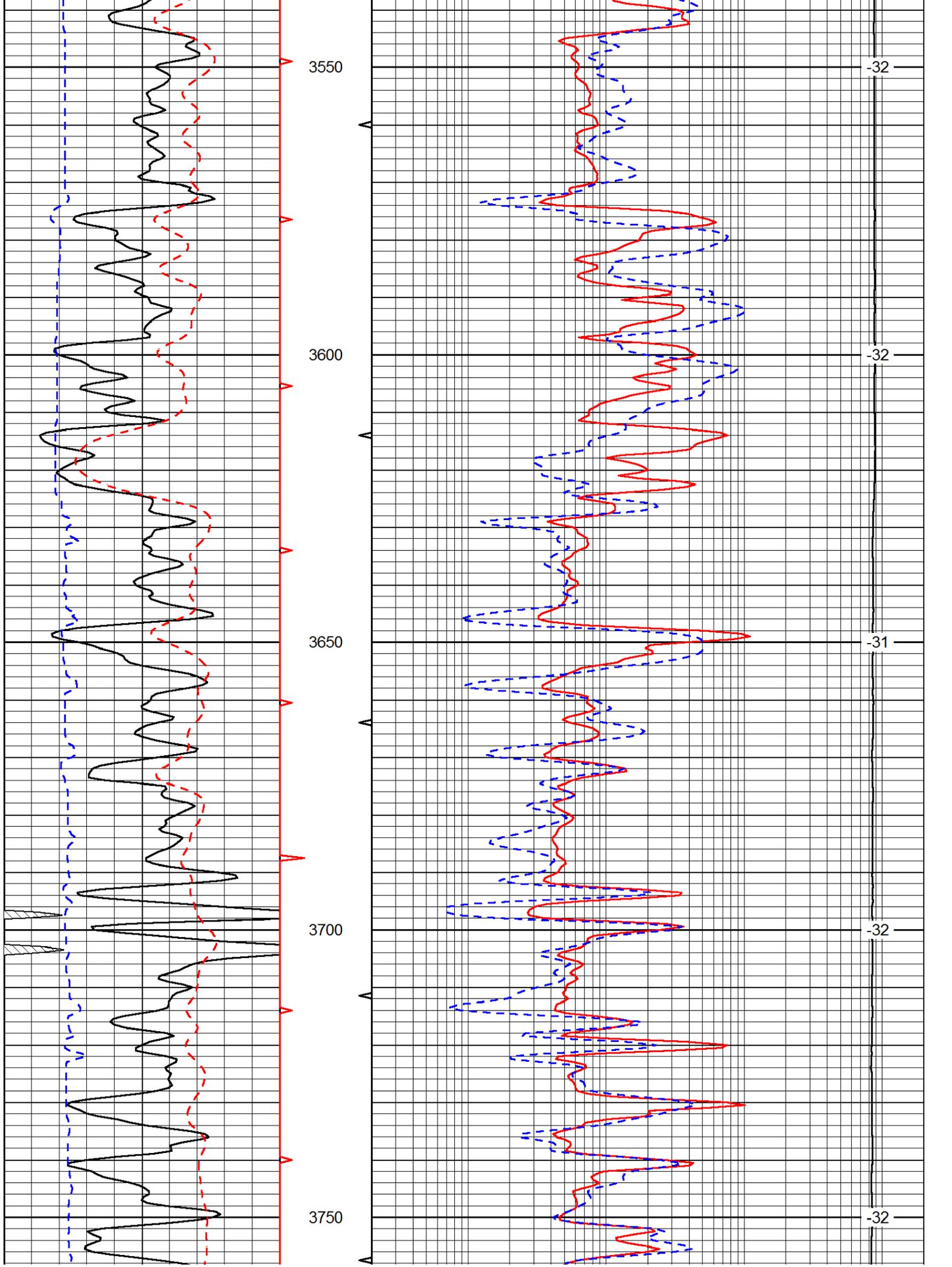
0	Gamma Ray	150
6	Caliper (GAPI)	16

0.2	Long Guard	2000
560	Neuton	2160



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40 30 20 15 10 5 1

POROSITY LIMESTONE (FLUID FILLED HOLE)

3800

-31

3850

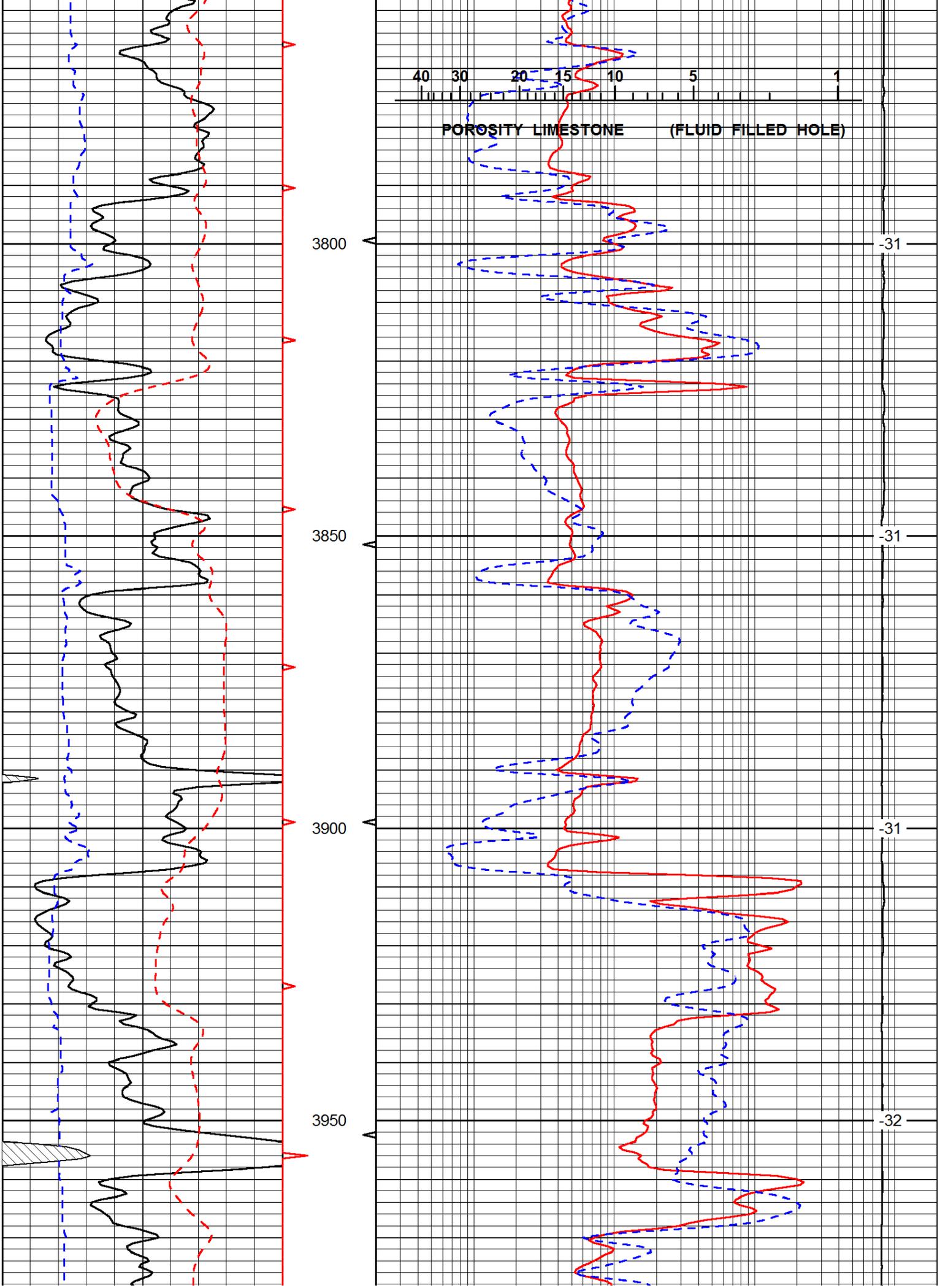
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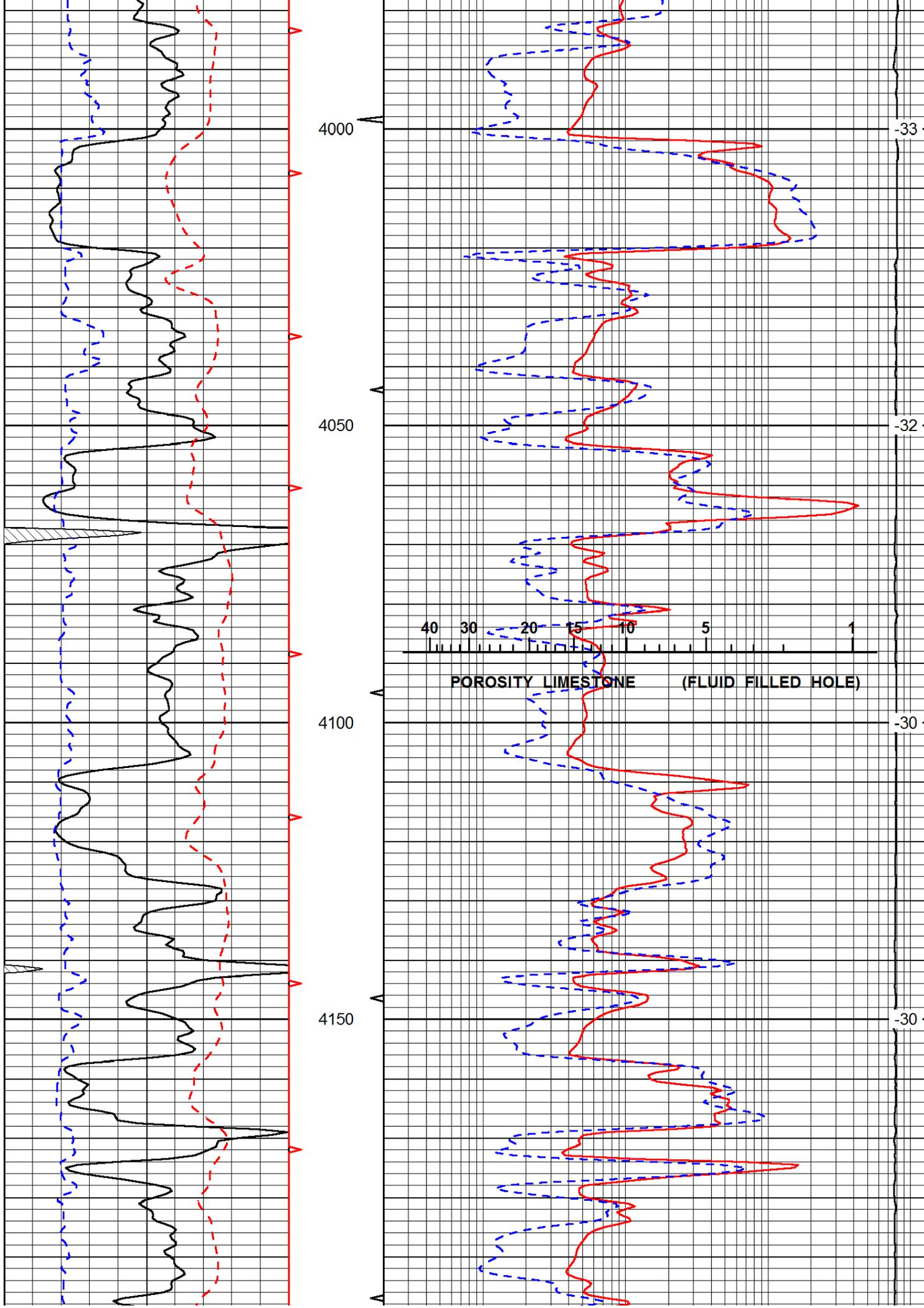
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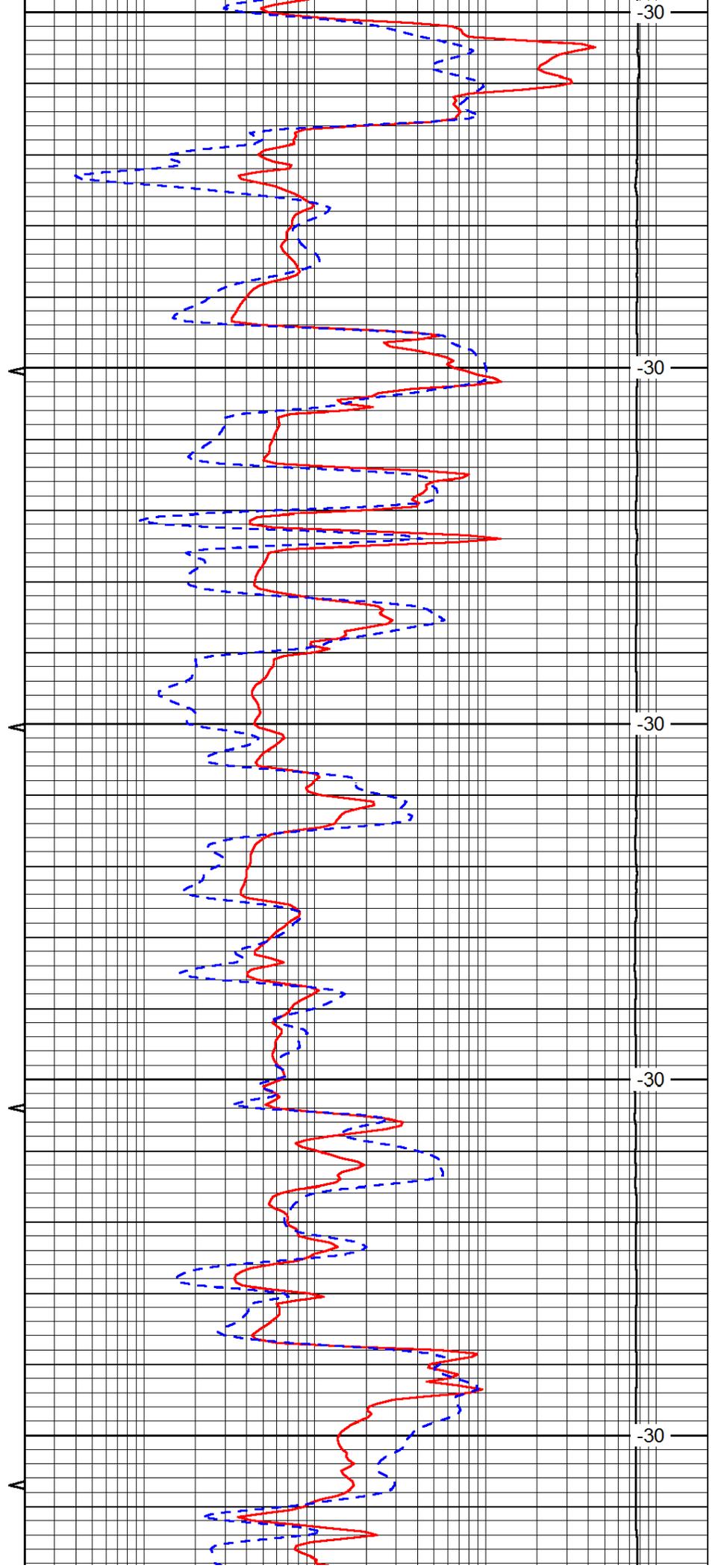
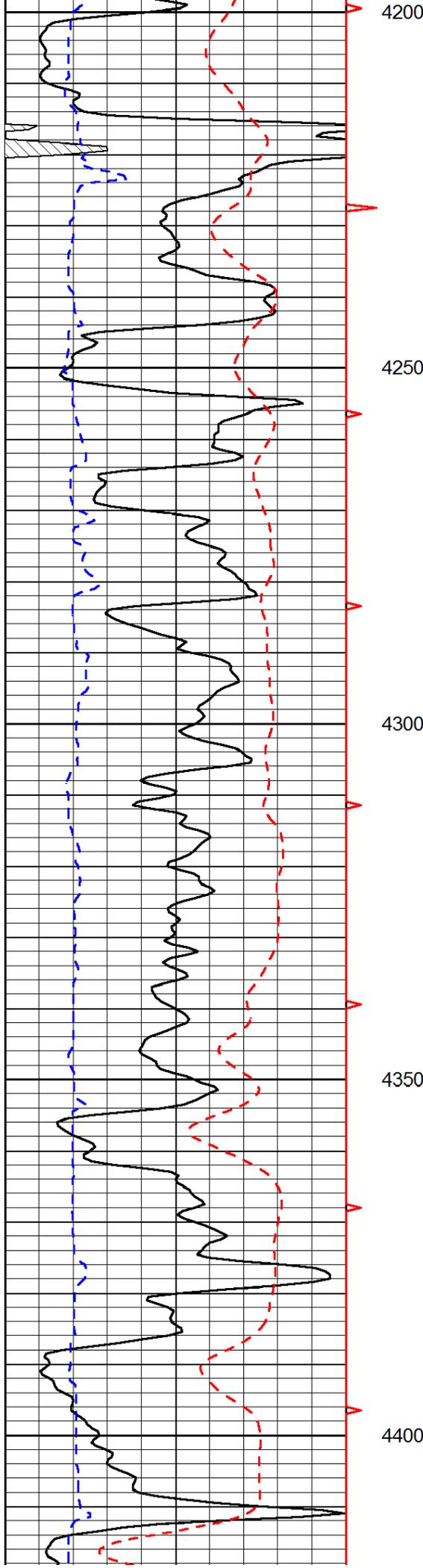
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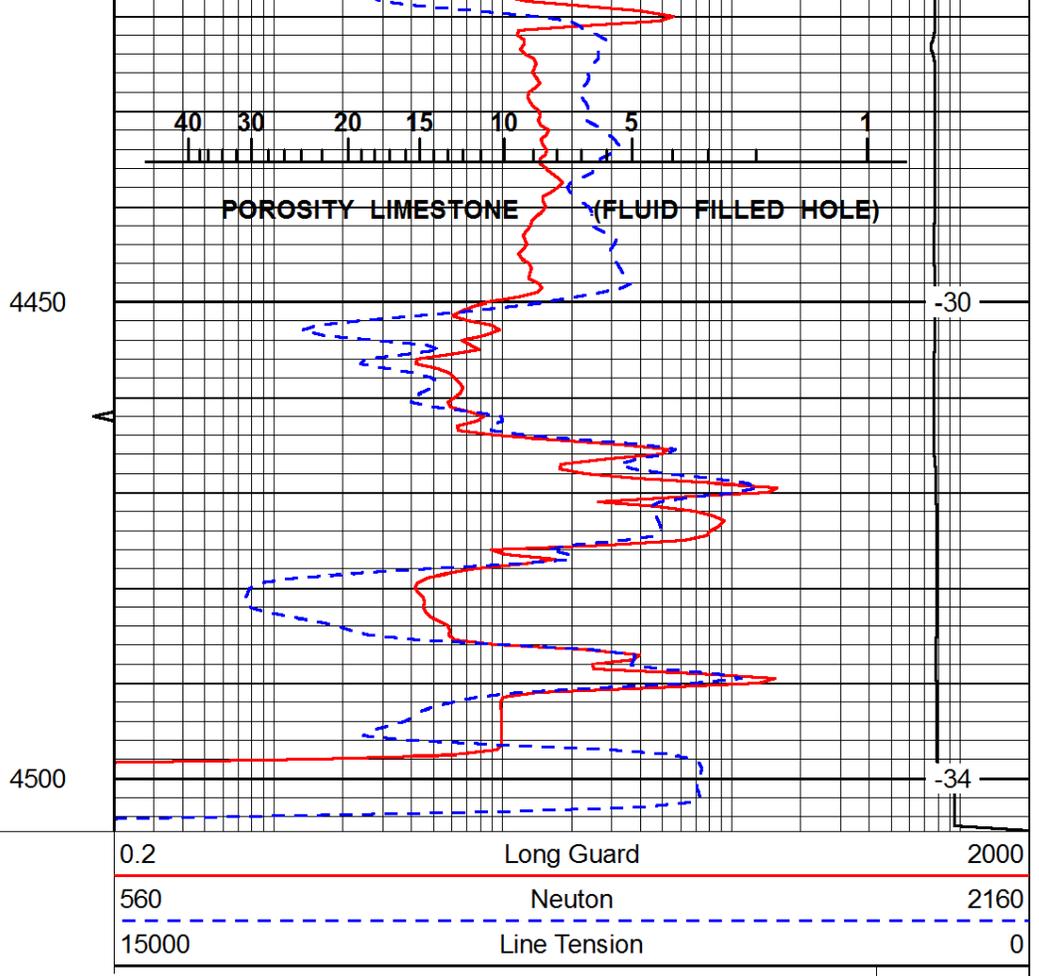
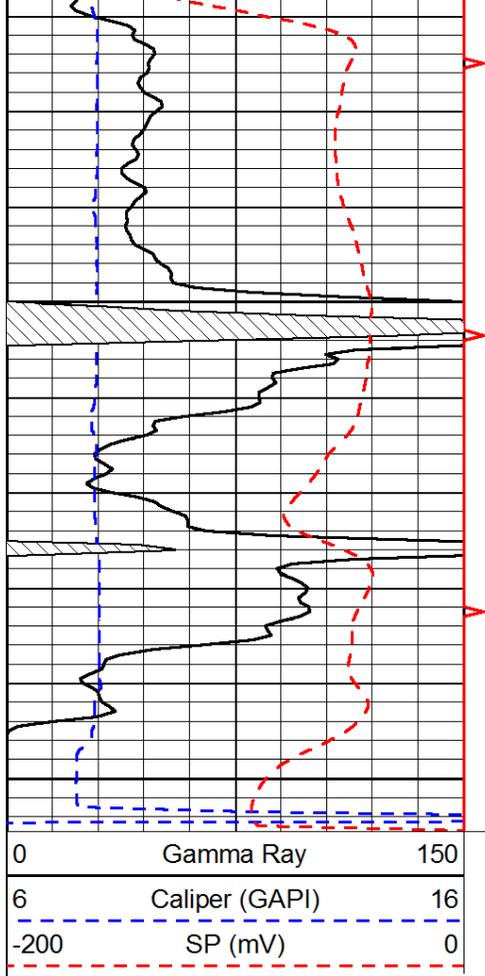
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LSPD