



Pioneer Energy Services

Radiation Guard Log

API No.	Company Berexco, LLC		
	Well Moser #3-9		
	Field		
	County Rawlins	State	Kansas
	Location 1,910' FNL & 550' FWL	Other Services MEL	
	Sec: 9	Twp: 1S	Rge: 36W
Permanent Datum	Ground Level	Elevation 3087	
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 3098 D.F. 3087 G.L. 3087	
Date	7/8/2013		
Run Number	One		
Depth Driller	4750		
Depth Logger	4748		
Bottom Logged Interval	4747		
Top Log Interval	300		
Casing Driller	8.625 @ 310		
Casing Logger	305		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1700		
Density / Viscosity	9.3 82		
pH / Fluid Loss	9.5 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.48 @ 80		
Rmf @ Meas. Temp	.36 @ 80		
Rmc @ Meas. Temp	.65 @ 80		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.31 @ 123		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	123		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Bryan Bynog		

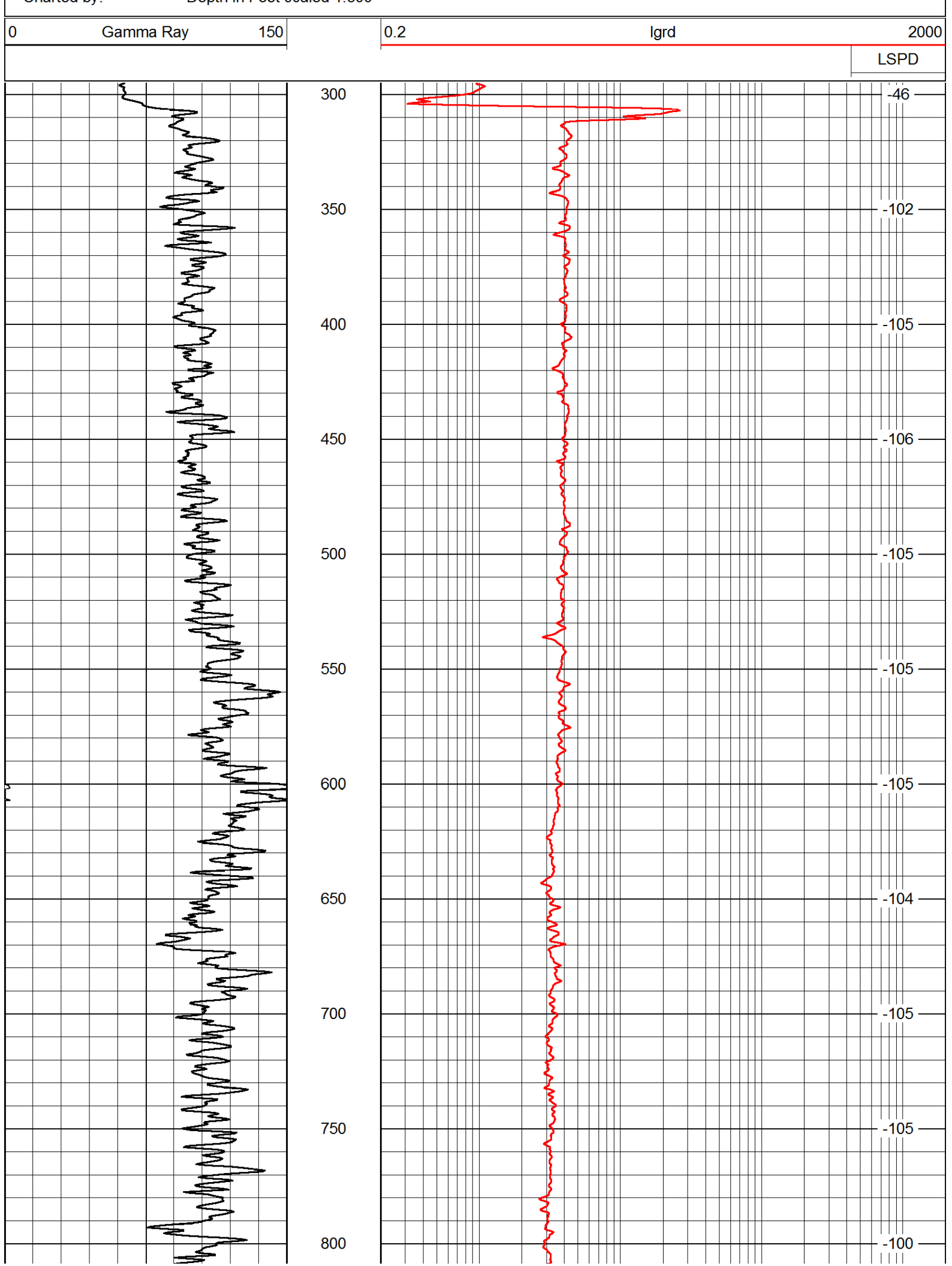
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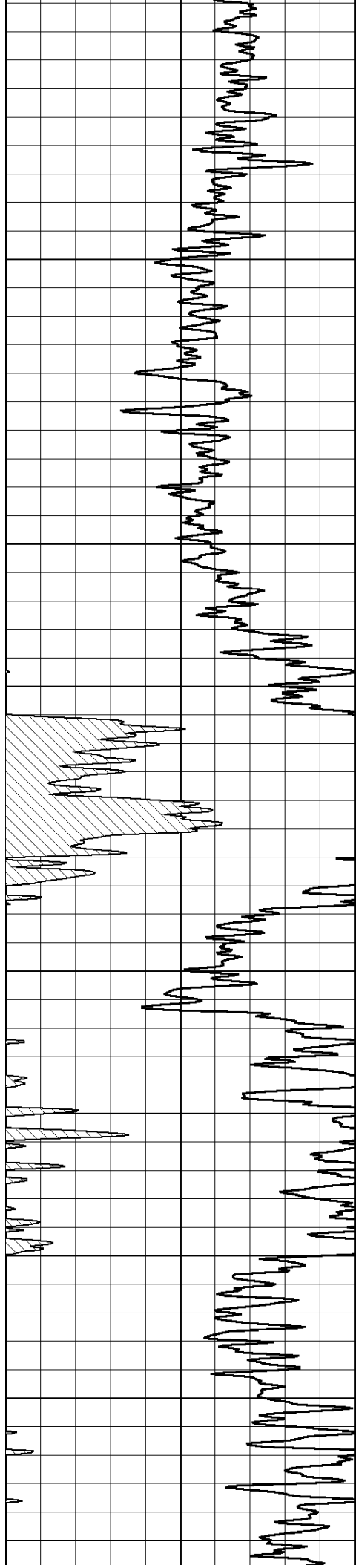
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments

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

McDonald, 14 1/4 North on Rawlins Avenue (Road 3), East Into





850

900

950

1000

1050

1100

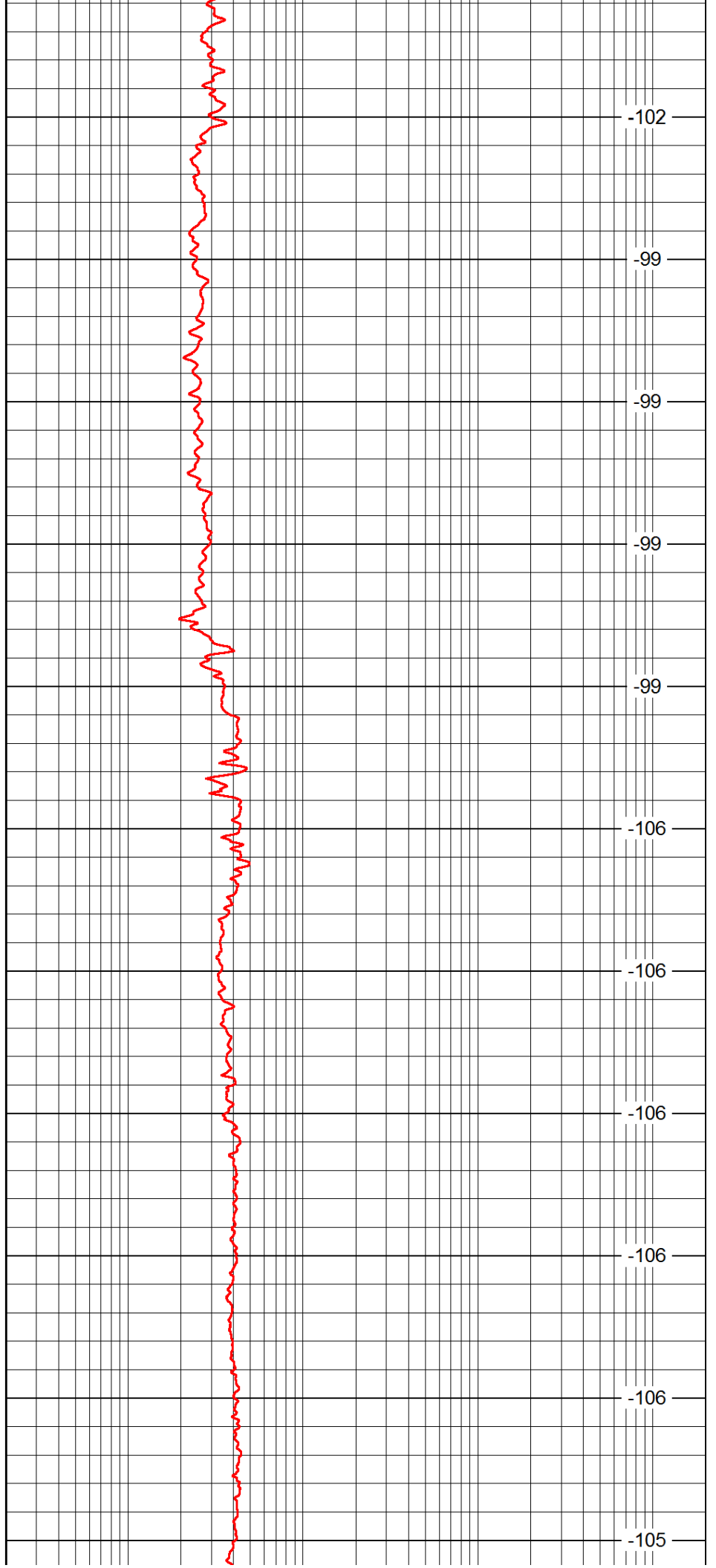
1150

1200

1250

1300

1350



-102

-99

-99

-99

-99

-106

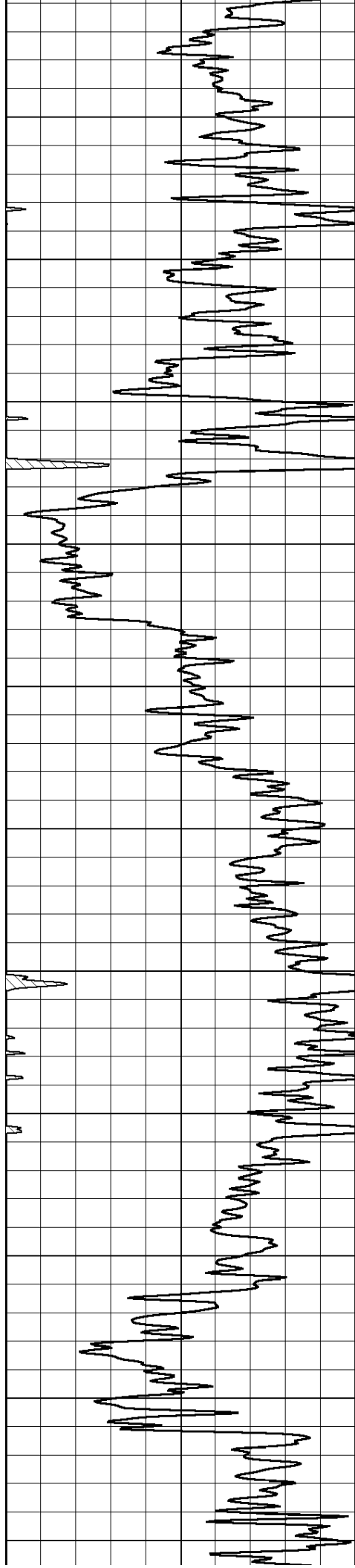
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-106

-106

-106

-105



1400

1450

1500

1550

1600

1650

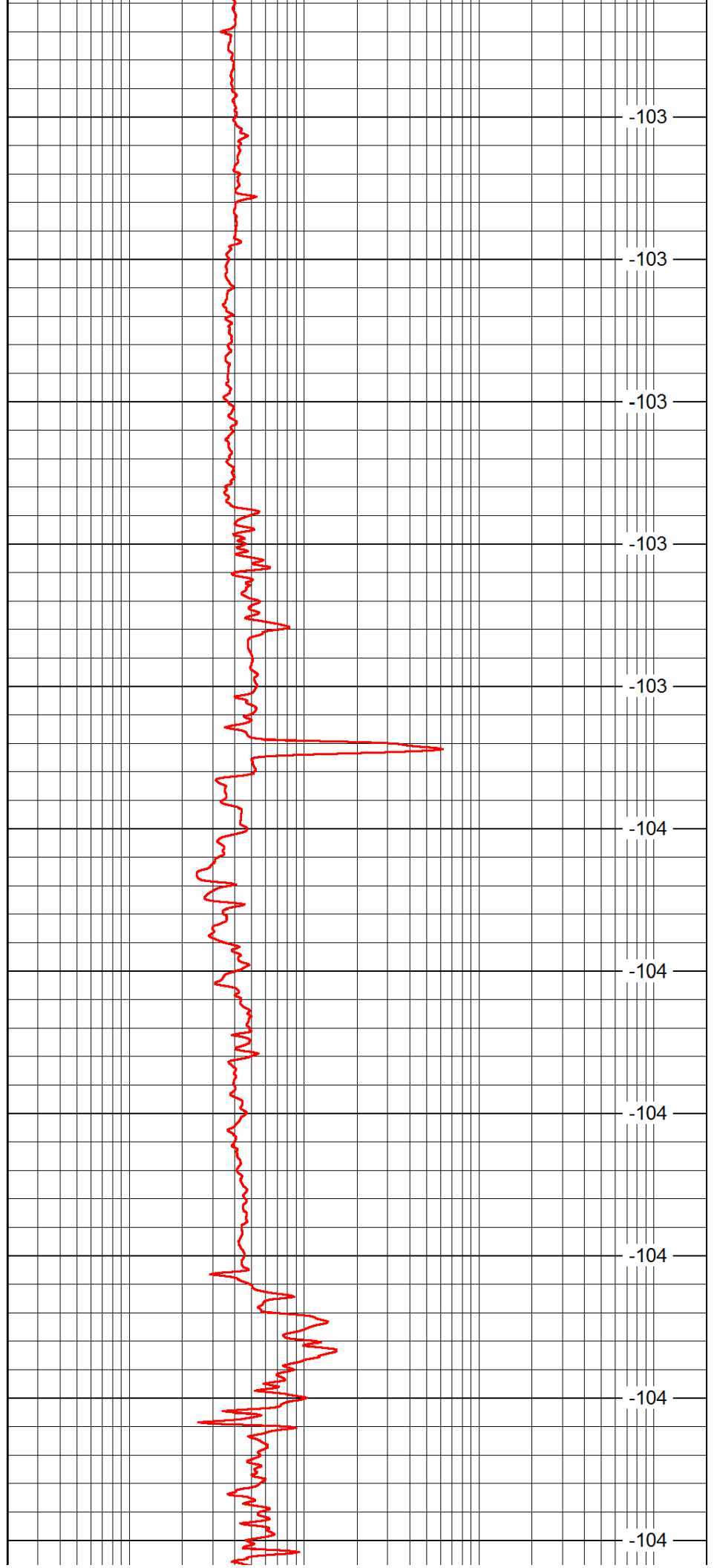
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1750

1800

1850

1900



-103

-103

-103

-103

-103

-104

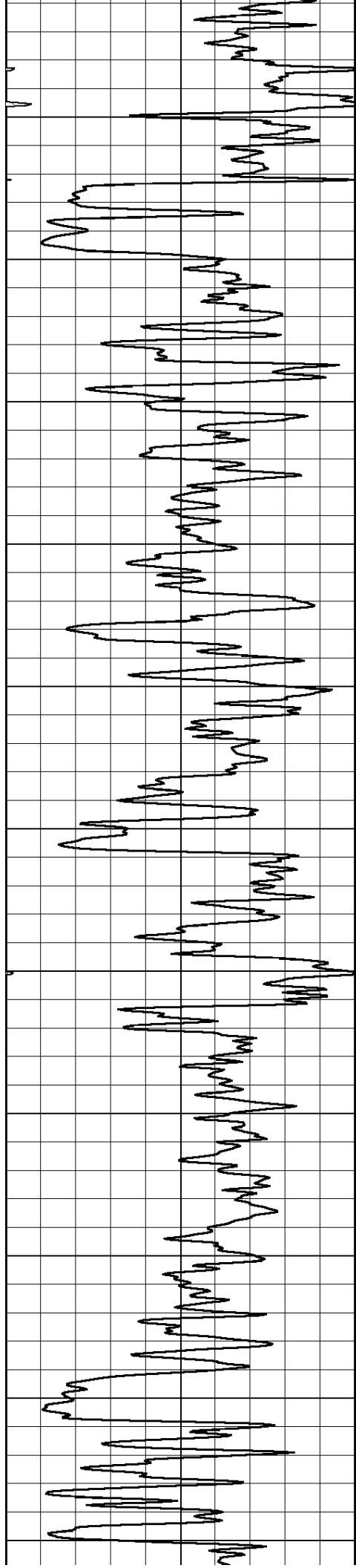
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1950

2000

2050

2100

2150

2200

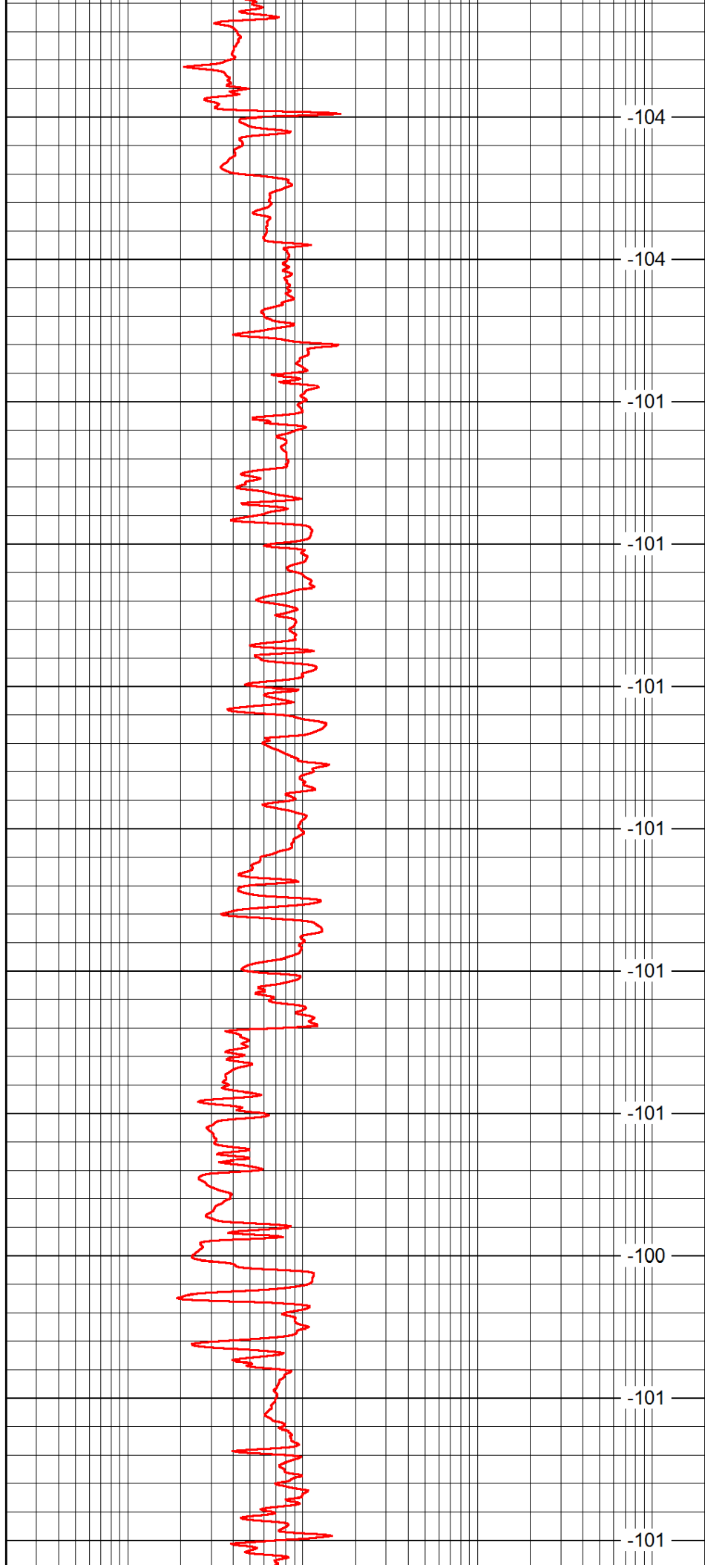
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2300

2350

2400

2450



-104

-104

-101

-101

-101

-101

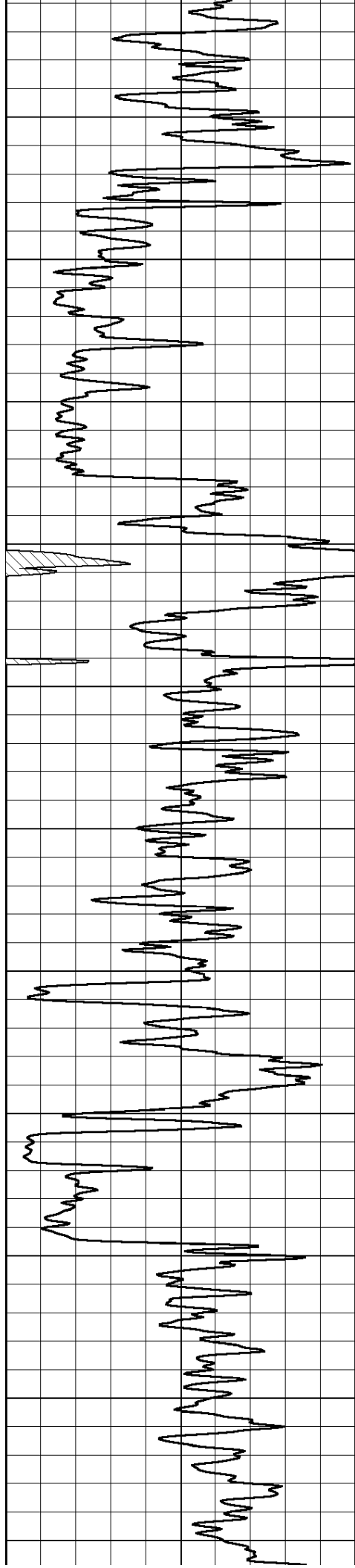
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-101



2500

2550

2600

2650

2700

2750

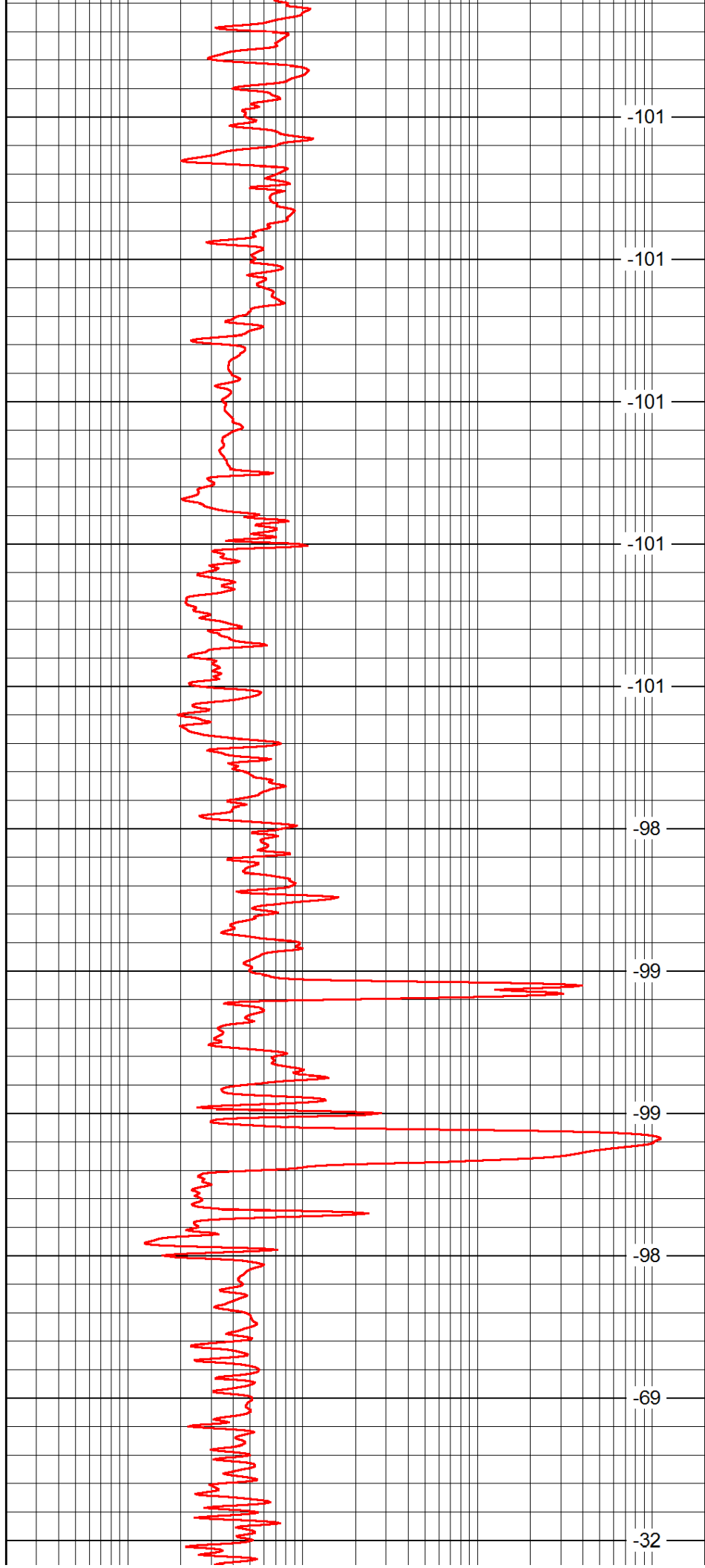
2800

2850

2900

2950

3000



-101

-101

-101

-101

-101

-98

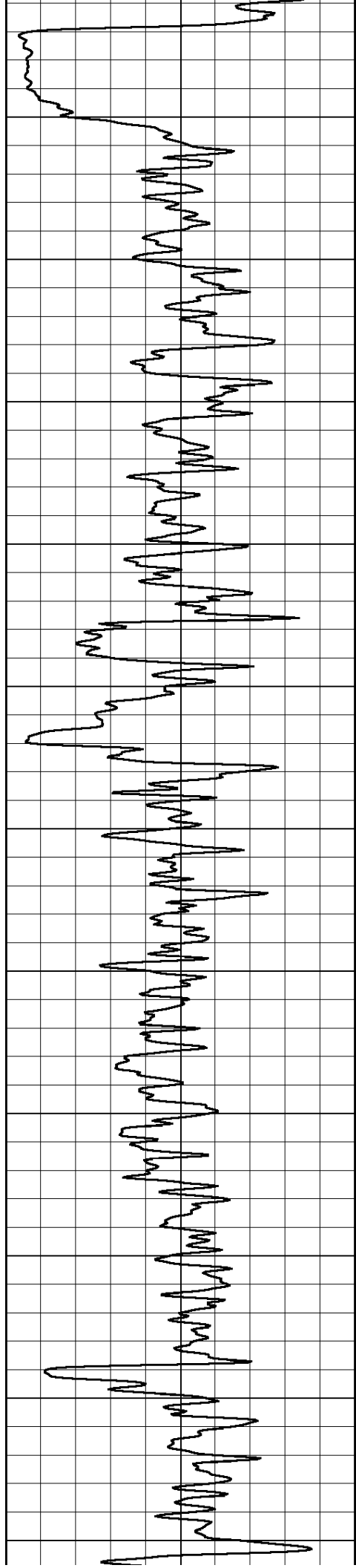
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-99

-98

-69

-32



3050

3100

3150

3200

3250

3300

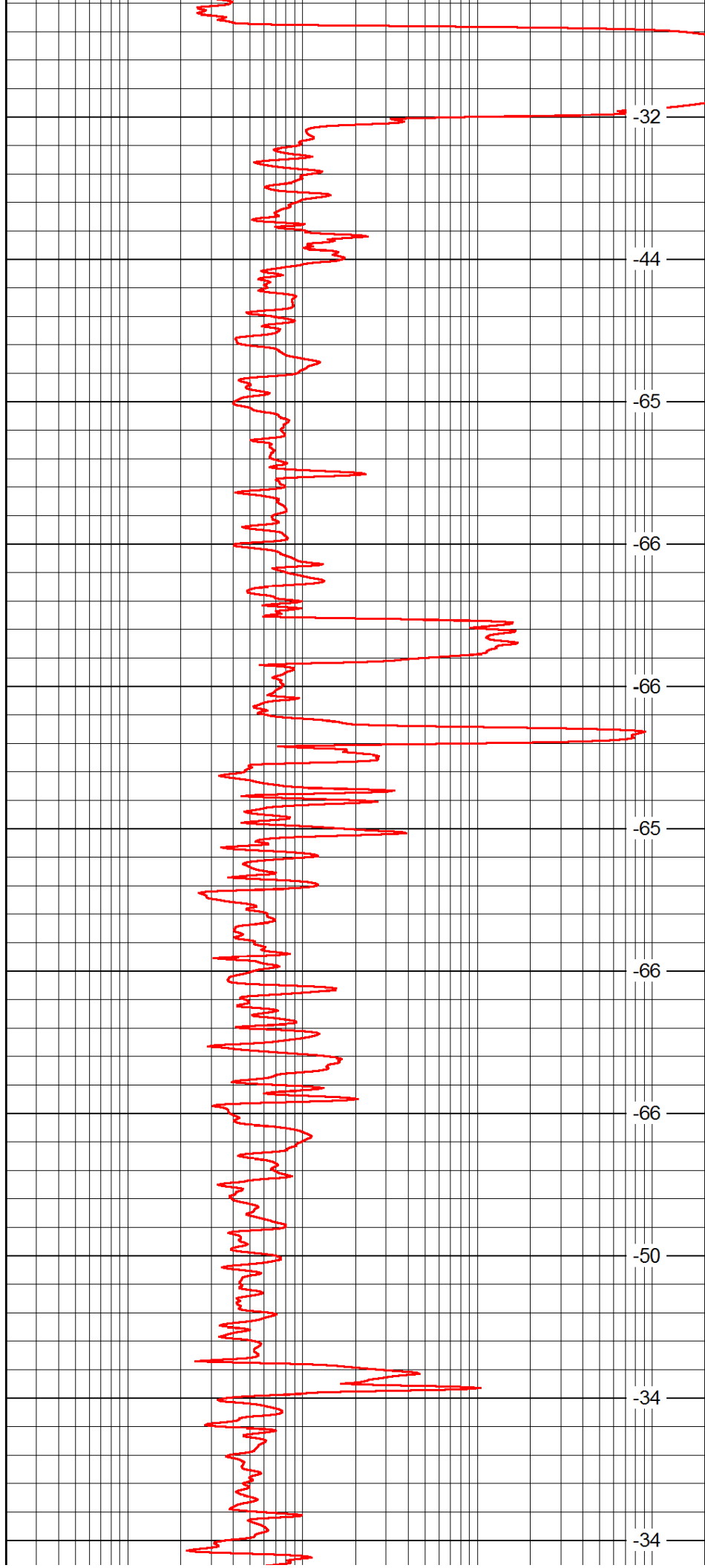
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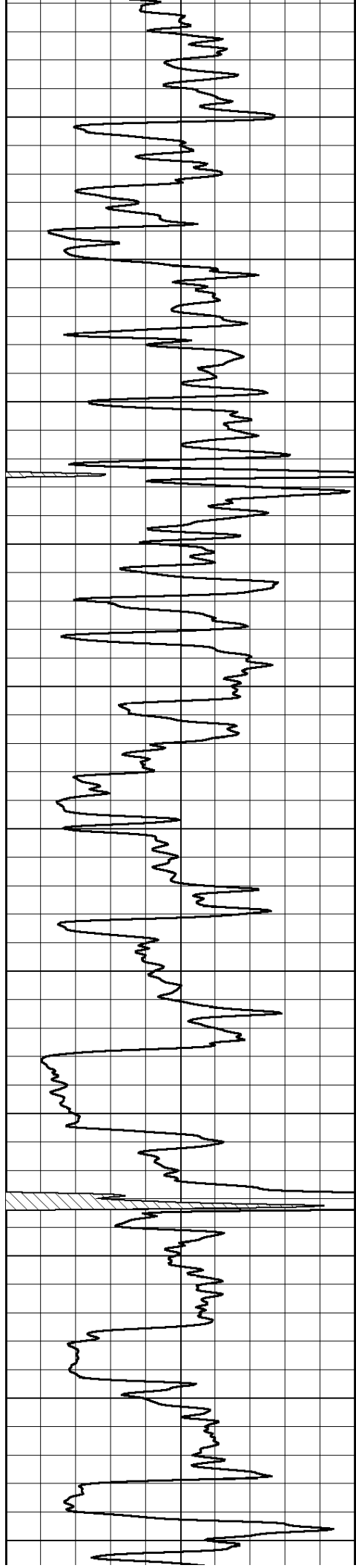
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3450

3500

3550





3600

3650

3700

3750

3800

3850

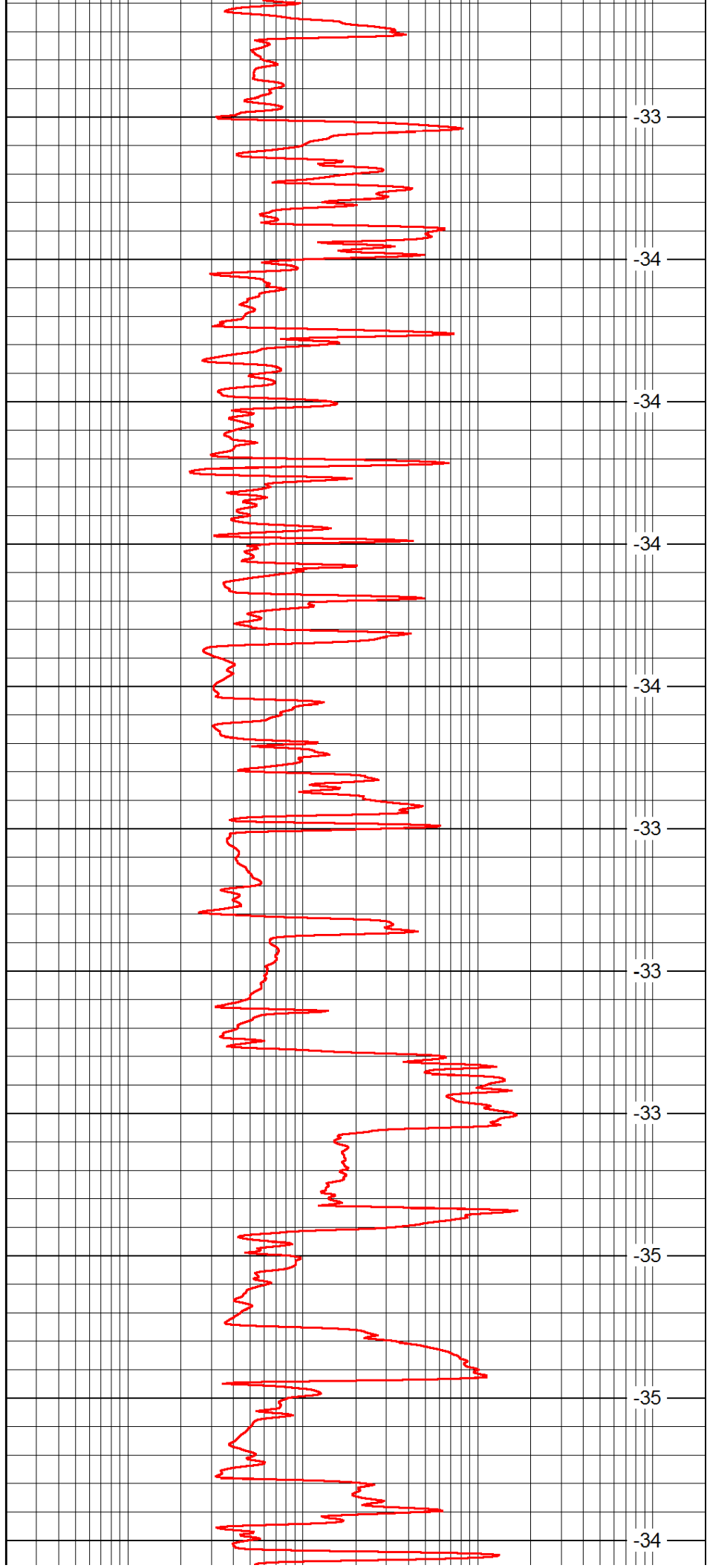
3900

3950

4000

4050

4100



-33

-34

-34

-34

-34

-33

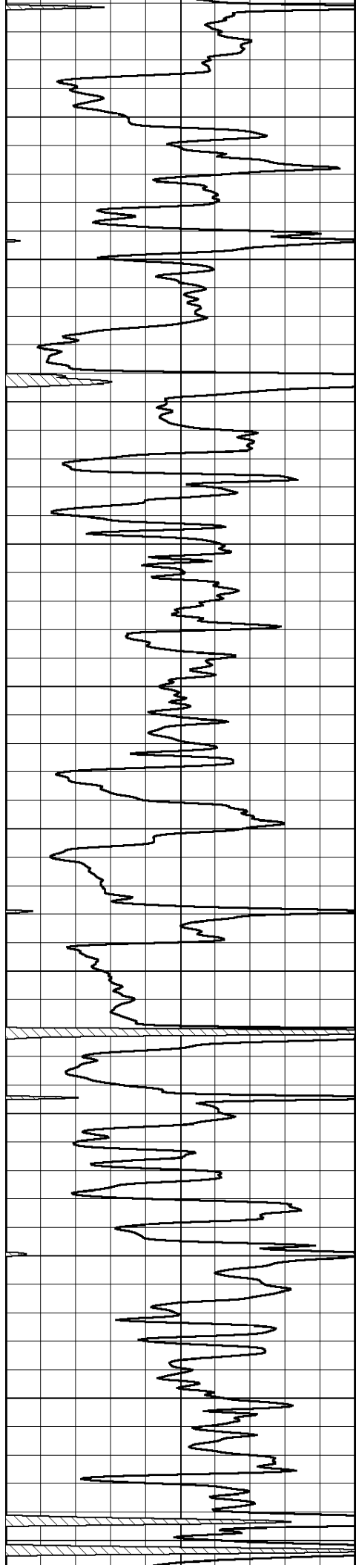
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-33

-35

-35

-34



4150

4200

4250

4300

4350

4400

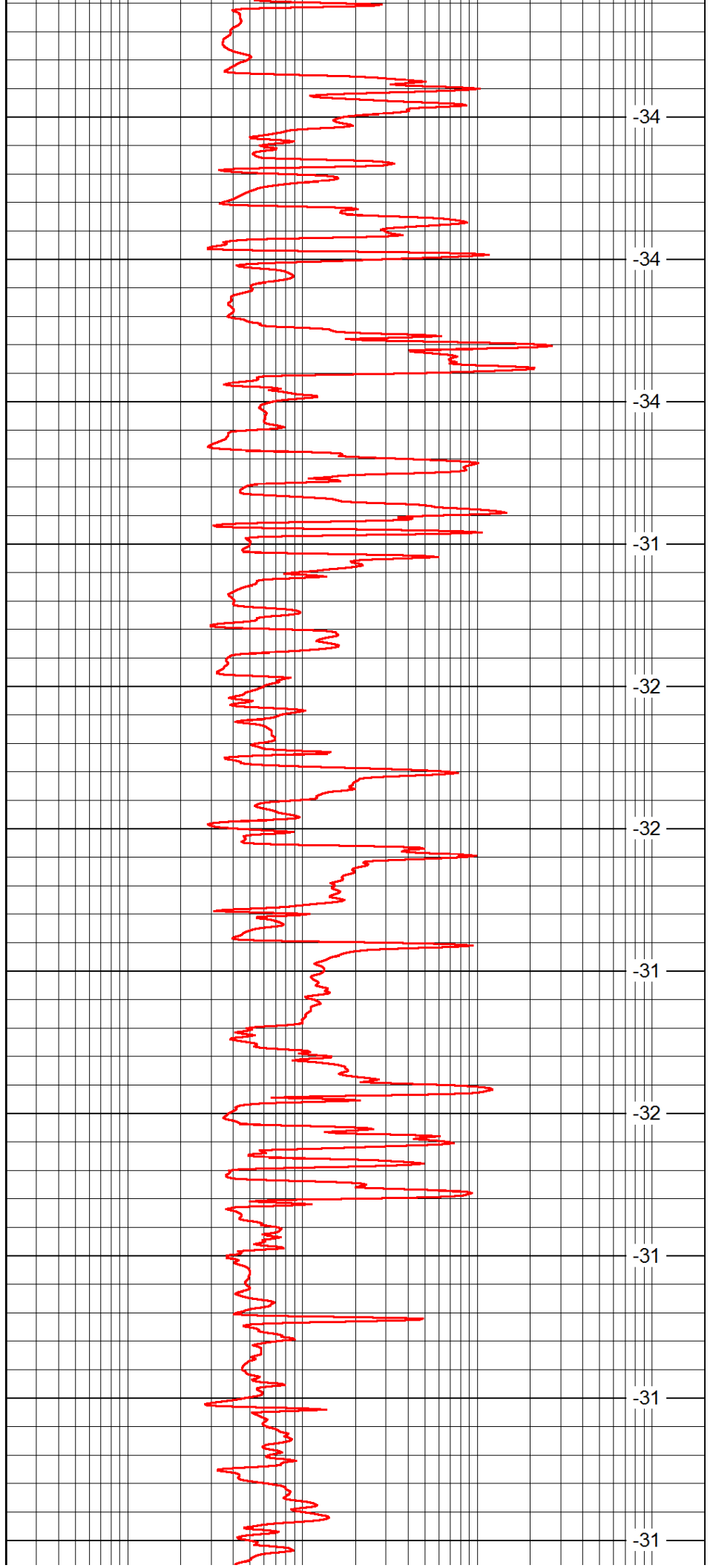
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4500

4550

4600

4650



-34

-34

-34

-31

-32

-32

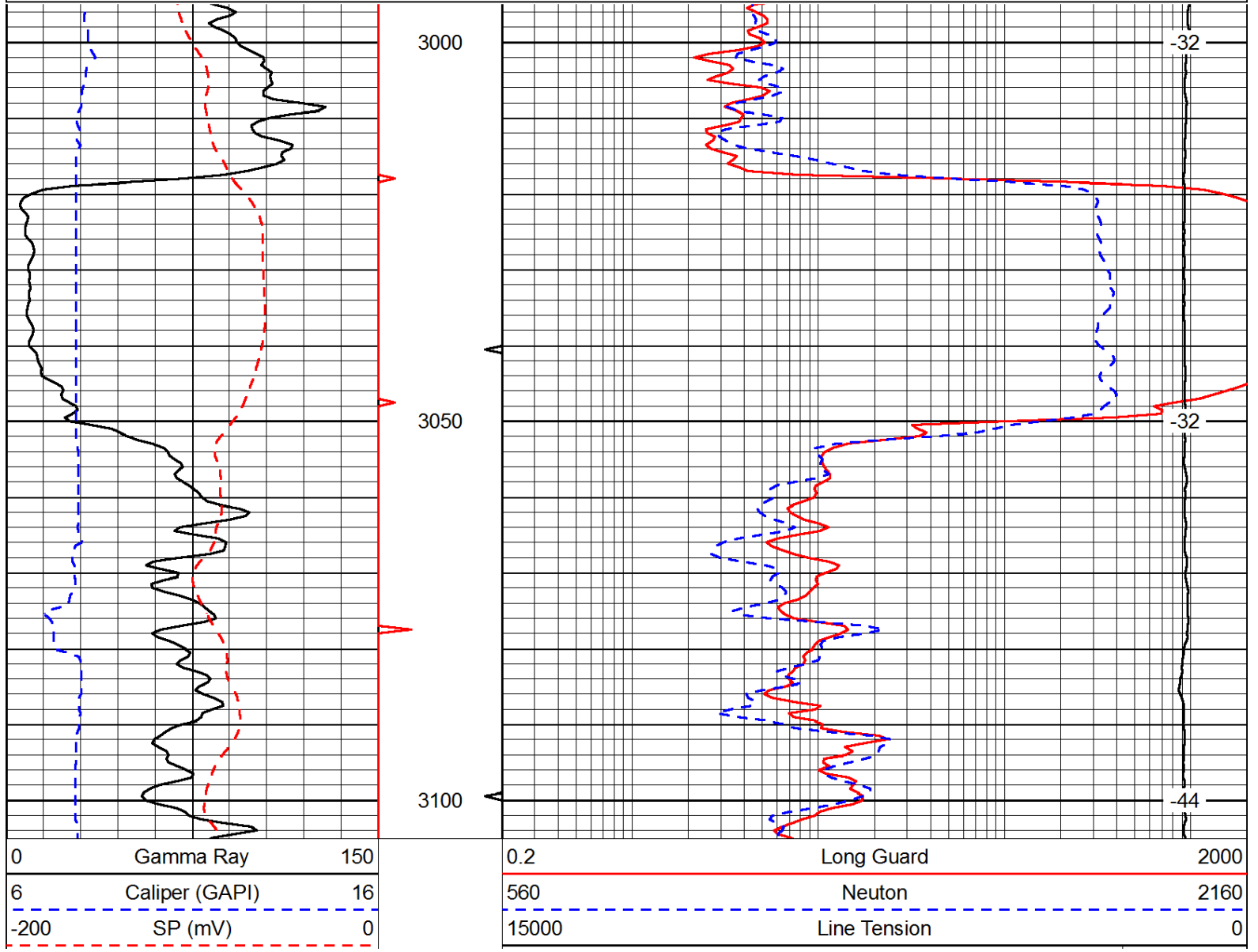
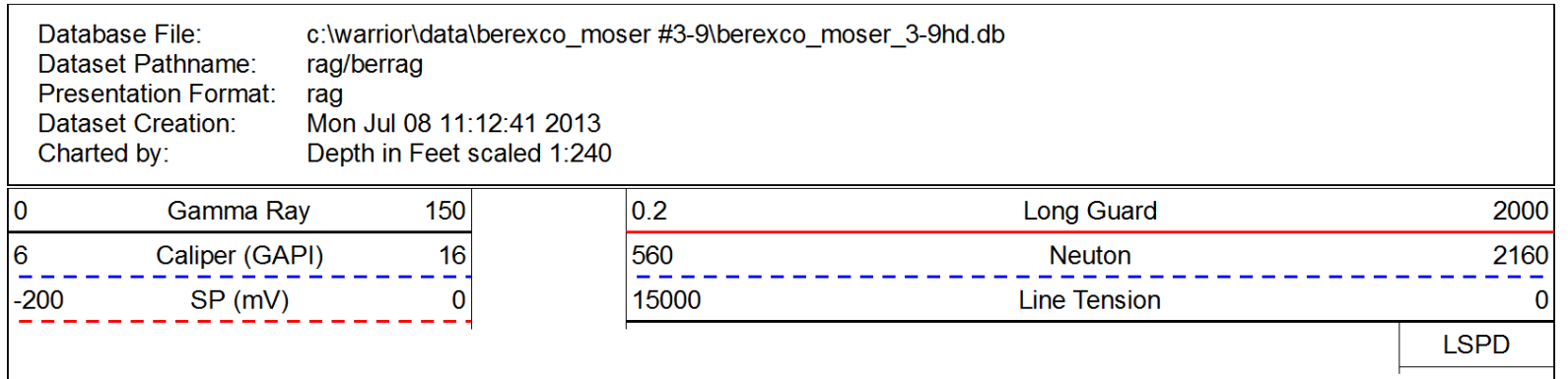
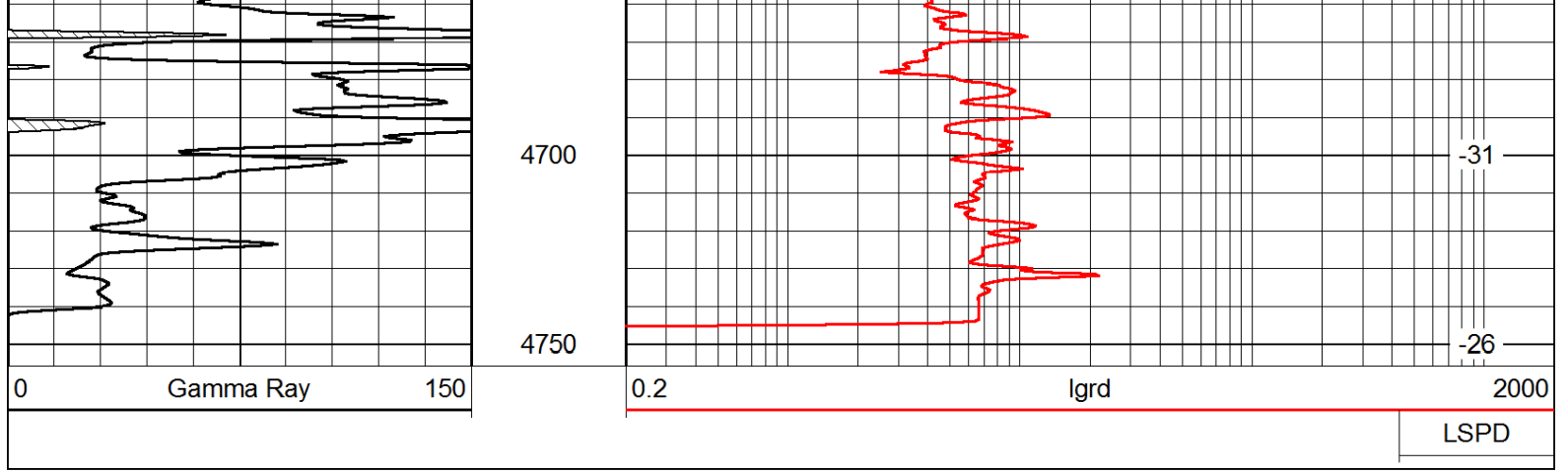
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-32

-31

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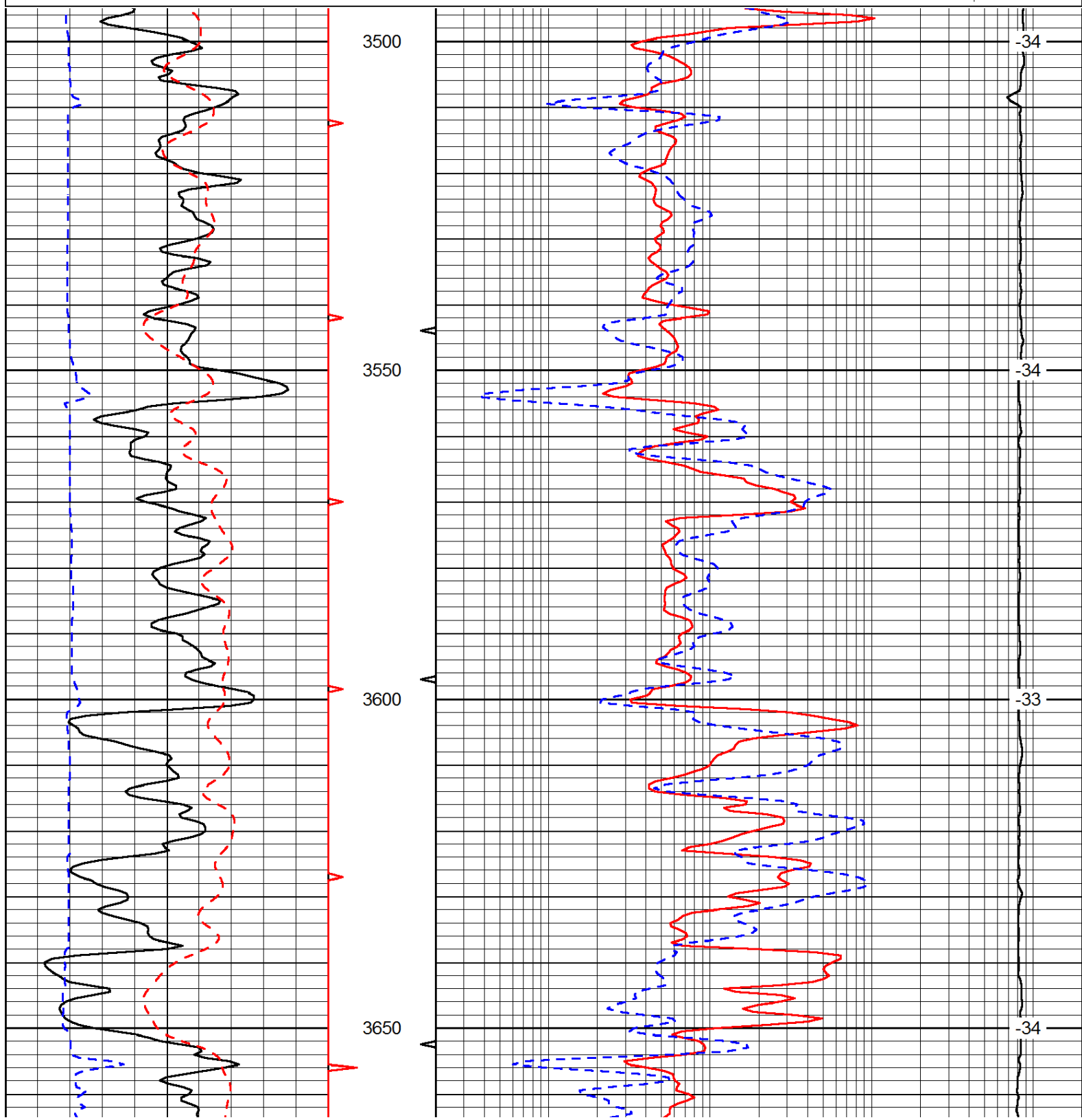


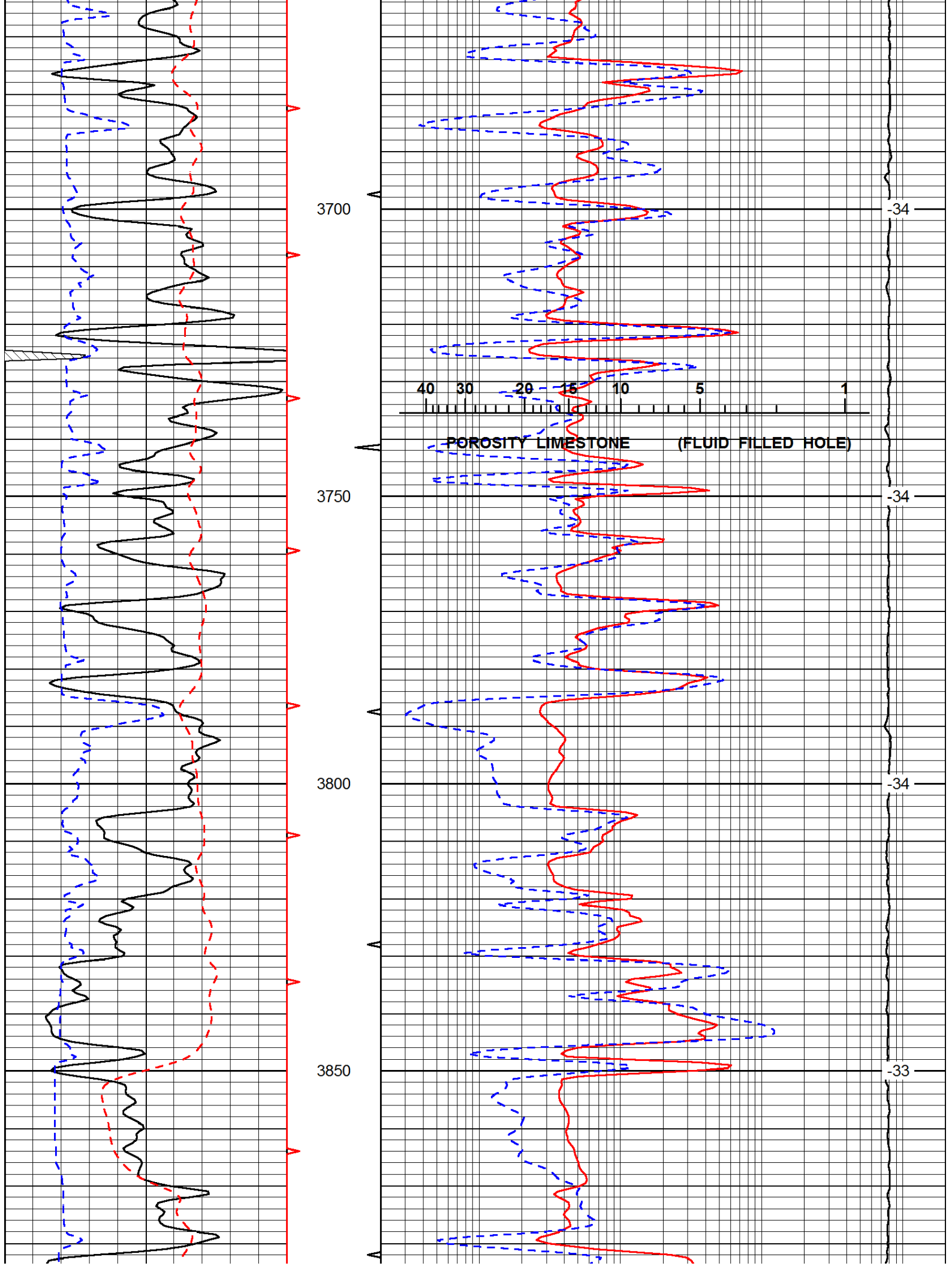
Database File: c:\warrior\data\berexco_moser #3-9\berexco_moser_3-9hd.db
Dataset Pathname: rag/berrag
Presentation Format: rag
Dataset Creation: Mon Jul 08 11:12:41 2013
Charted by: Depth in Feet scaled 1:240

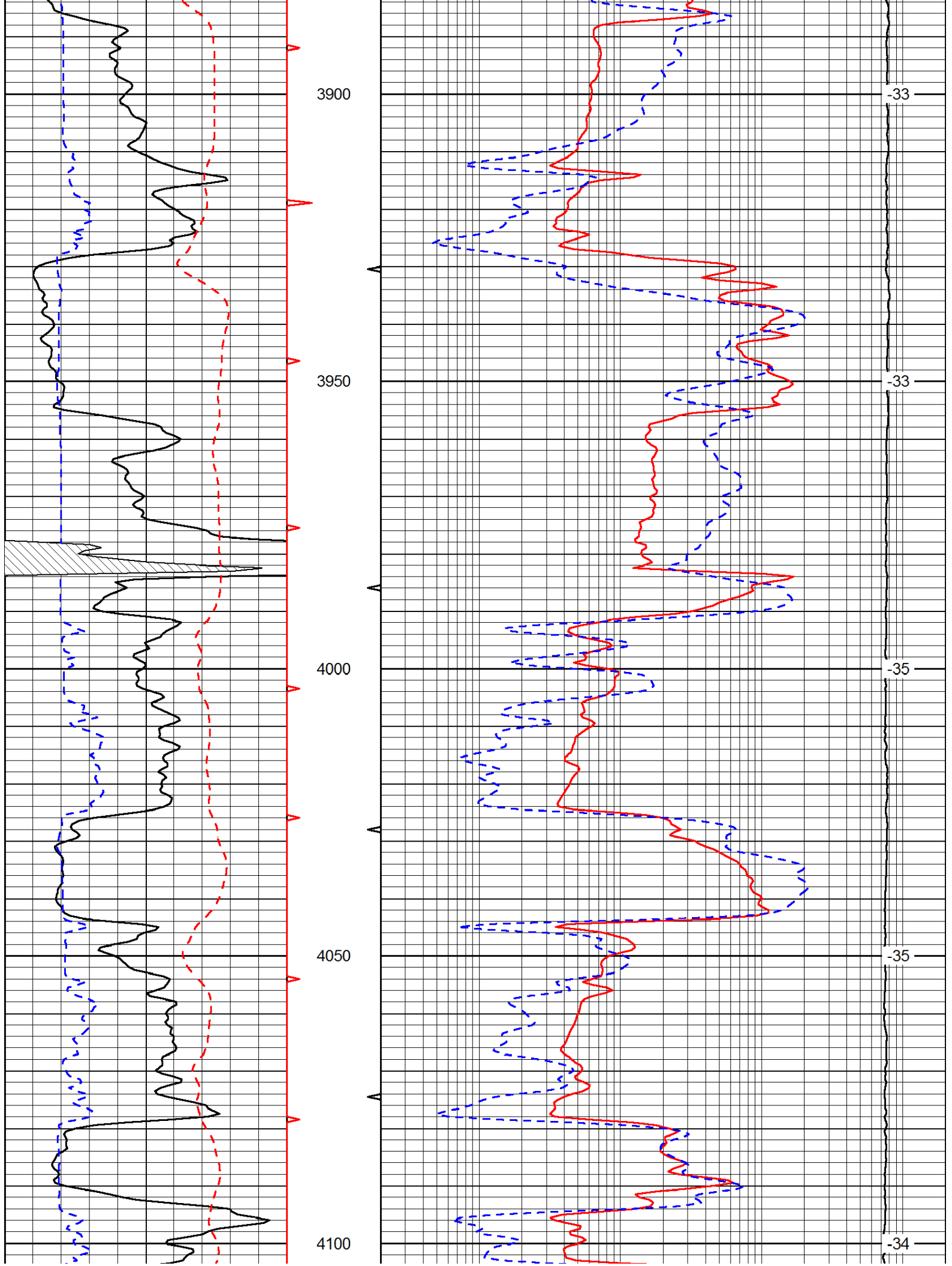
0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

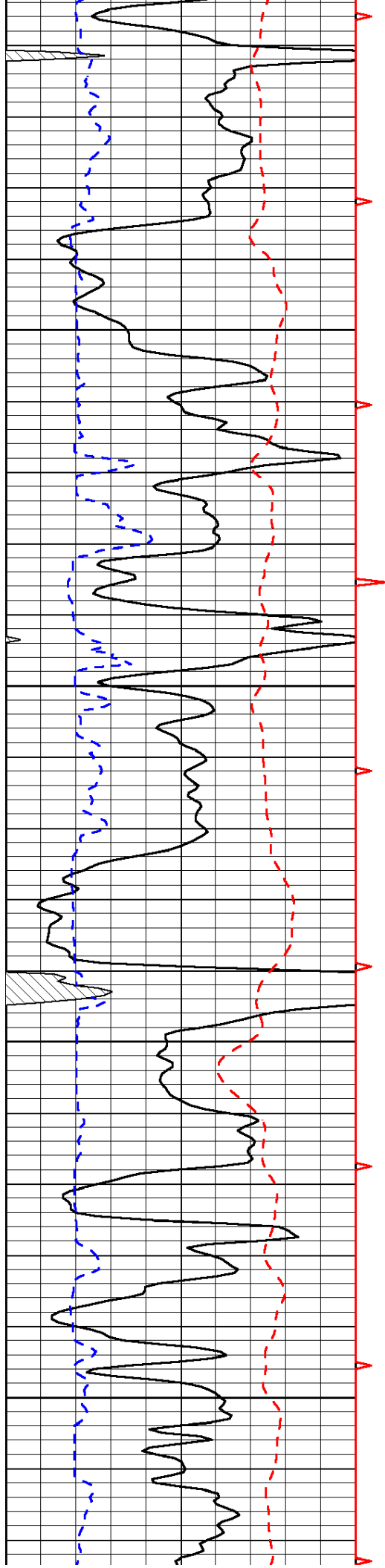
0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

LSPD







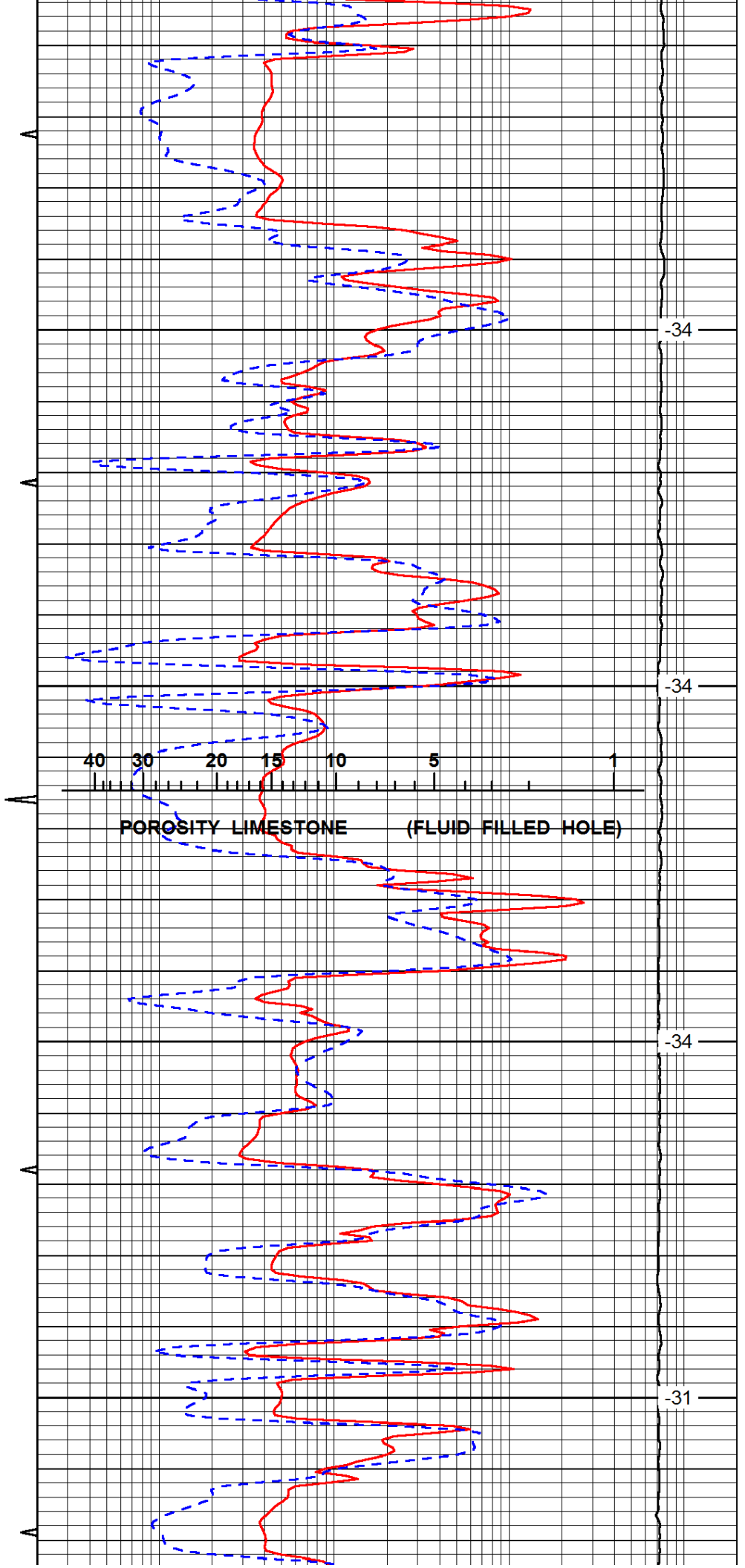


4150

4200

4250

4300



-34

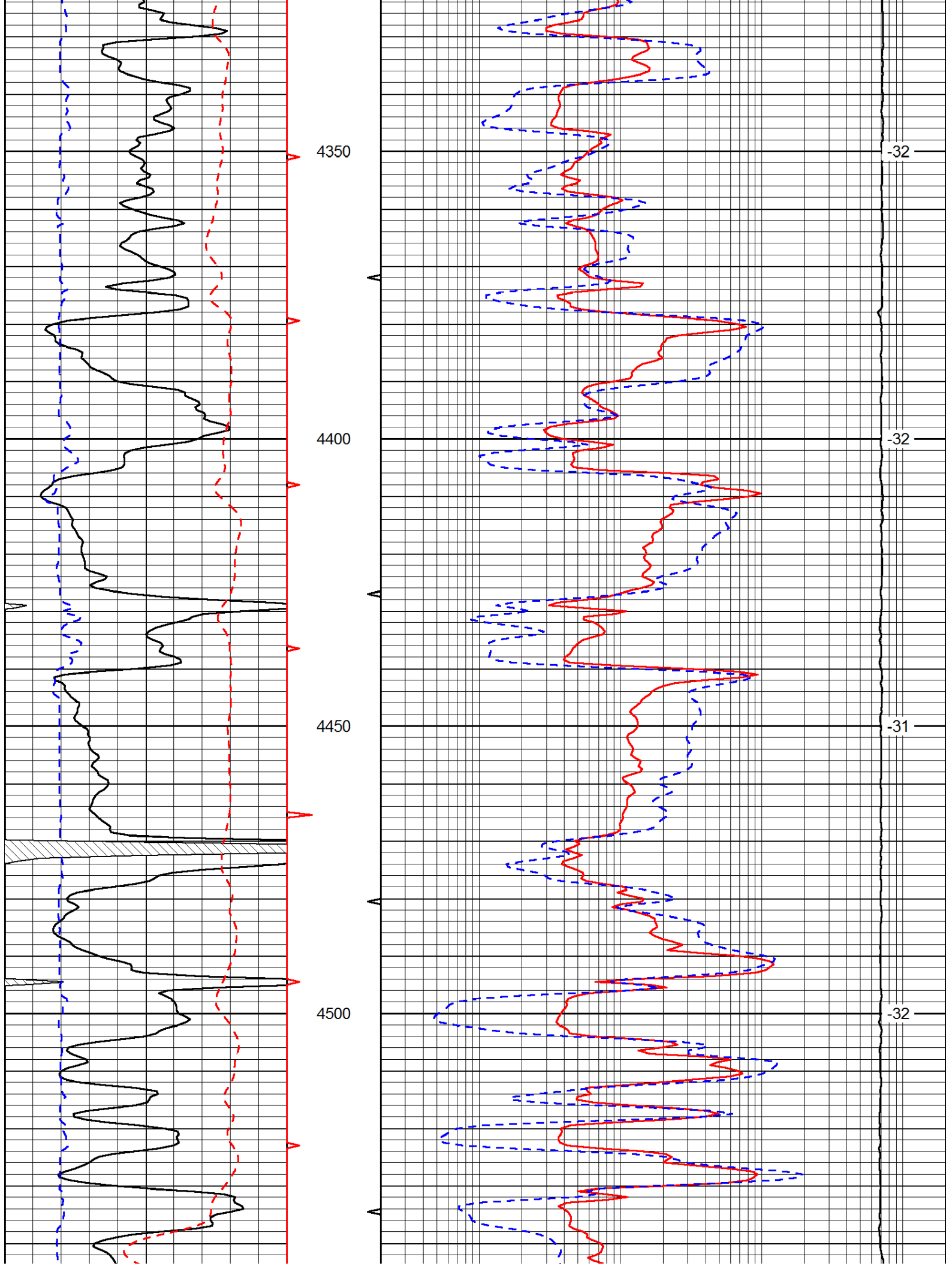
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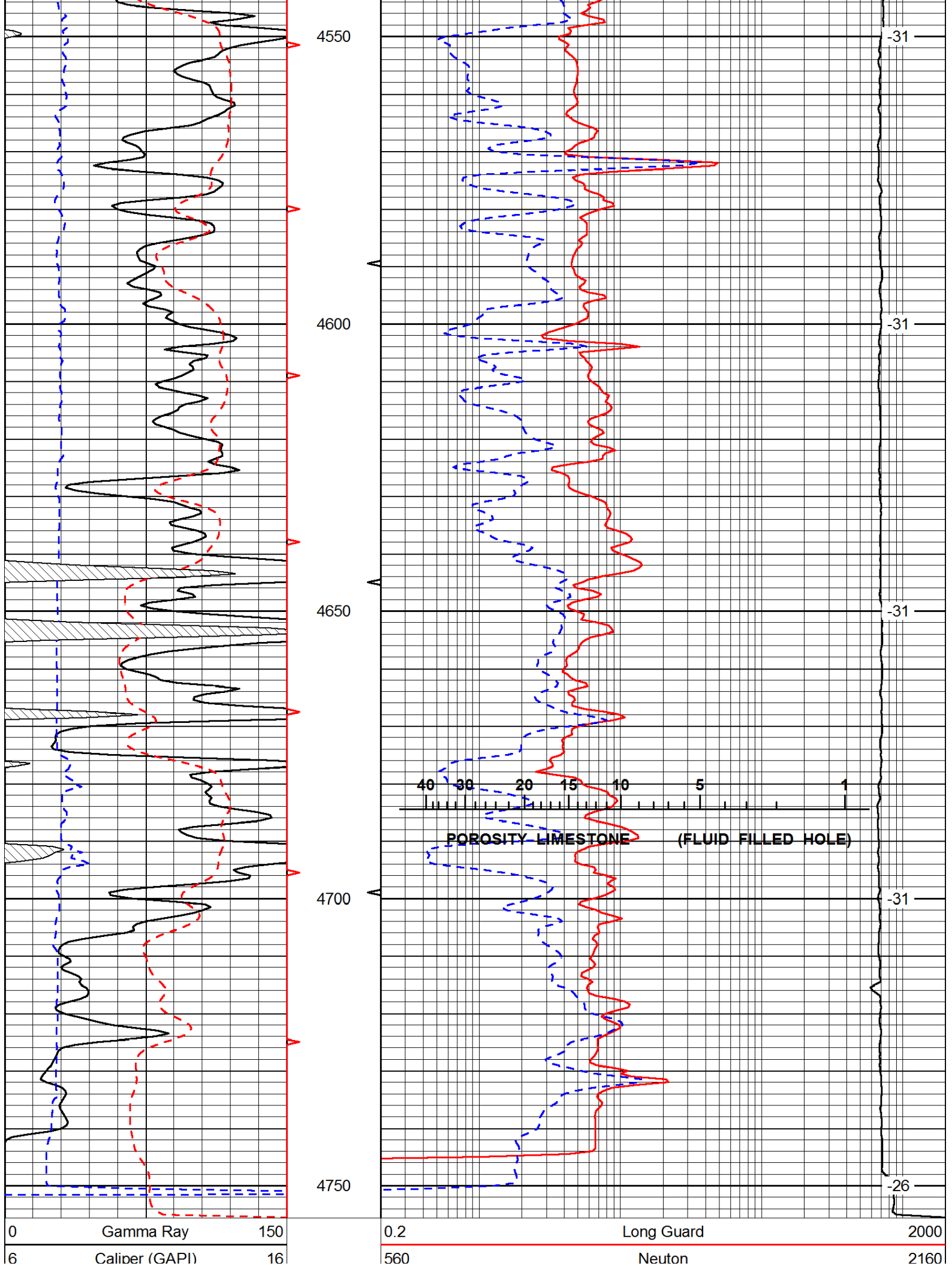
-34

-31

40 30 20 15 10 5 1

POROSITY LESTONE (FLUID FILLED HOLE)





-200	SP (mV)	0

15000	Line Tension	0
		LSPD