



Pioneer Energy Services

Radiation Guard Log

API No.	Company Palomino Petroleum, Inc. Well Wilhelm Trust #1 Field Wildcat County Ness State Kansas				
15-135-25,514-00-00	Location 1223' FSL & 1834' FEL			Other Services MEL	
Sec: 16 Twp: 19 S Rge: 21 W					
Permanent Datum	Ground Level	Elevation 2275		Elevation	
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum		K.B. 2280 D.F. 2275 G.L. 2275	
Drilling Measured From	Kelly Bushing				
Date	12/12/2012				
Run Number	One				
Depth Driller	4451				
Depth Logger	4453				
Bottom Logged Interval	4452				
Top Log Interval	200				
Casing Driller	8.625 @ 216				
Casing Logger	216				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity, ppm CL	7000				
Density / Viscosity	9.1 50				
pH / Fluid Loss	8.5 10.0				
Source of Sample	Flowline				
Rm @ Meas. Temp	.60 @ 60				
Rmf @ Meas. Temp	.45 @ 60				
Rmc @ Meas. Temp	.81 @ 60				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.30 @ 121				
Operating Rig Time	4 Hours				
Max Rec. Temp. F	121				
Equipment Number	108				
Location	Hays				
Recorded By	D. Martin				
Witnessed By	Jerry Smith				

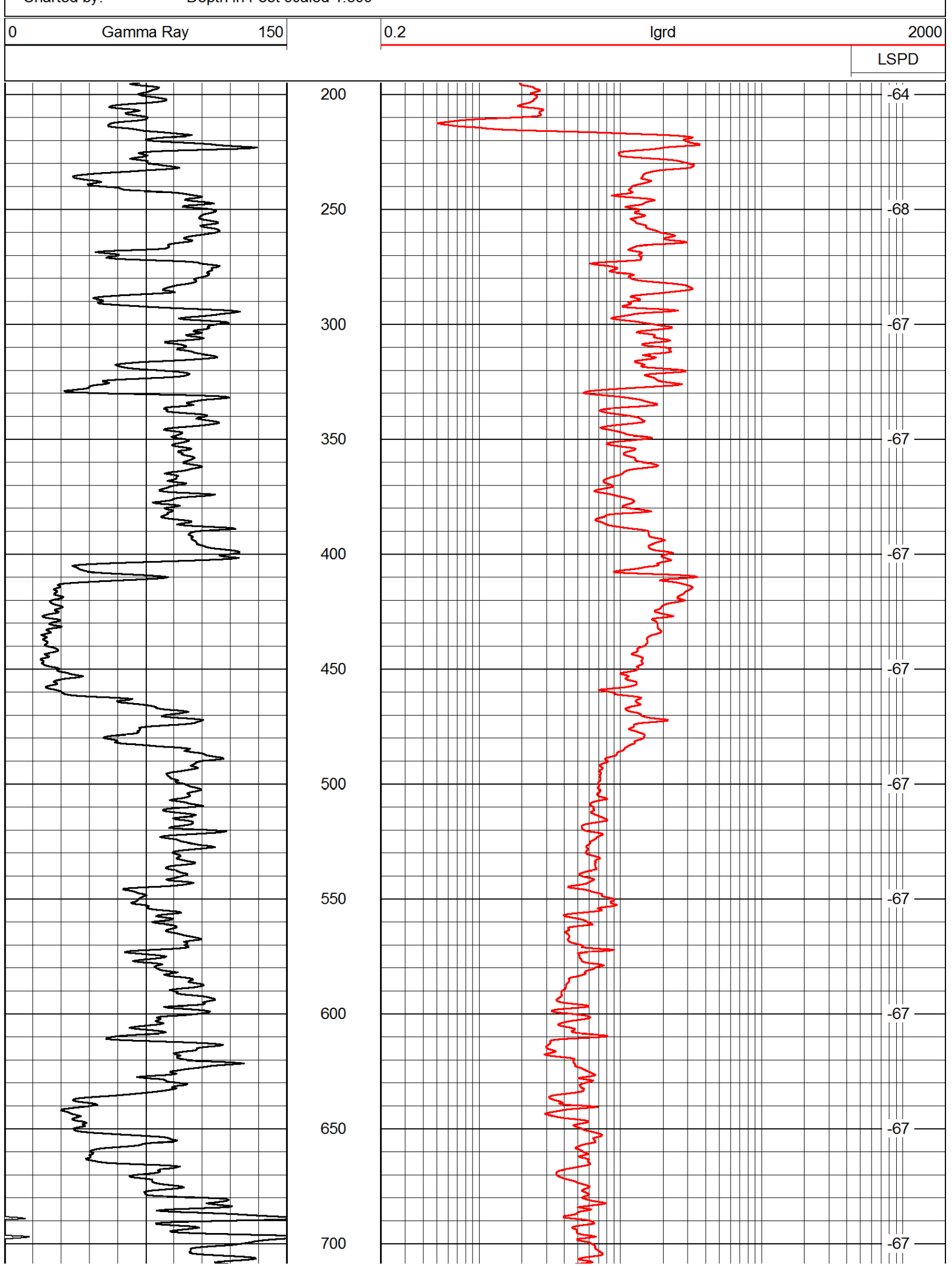
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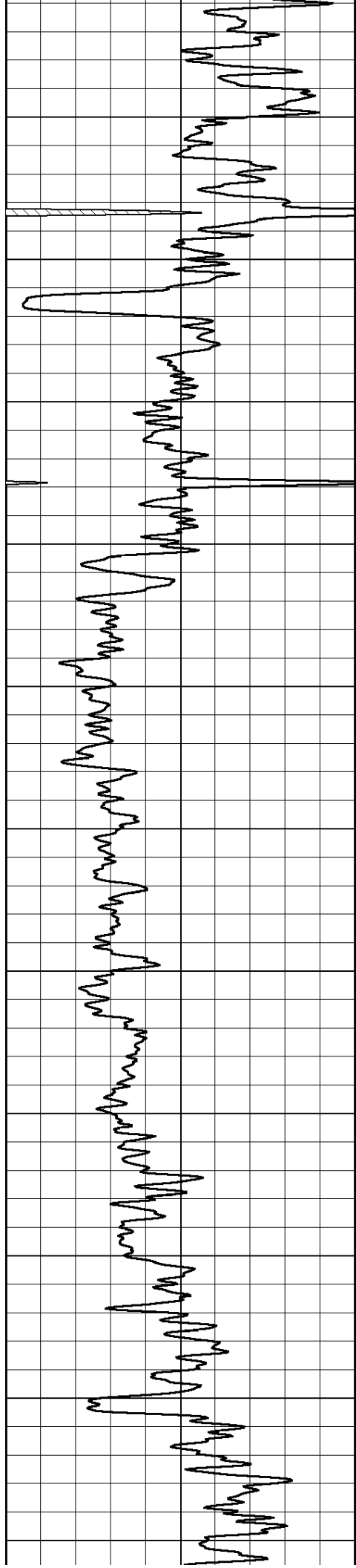
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Bazine, KS
3 E to GG Rd.(base of Christ Pilot Me Hill),
4 S, 1/4 W, NW Into

Database File: c:\warrior\data\palomino_wilhelm trust #1\palohd.db
Dataset Pathname: rag\palorag2
Presentation Format: rag2in
Dataset Creation: Wed Dec 12 20:55:18 2012
Charted by: Depth in Feet scaled 1:600





750

800

850

900

950

1000

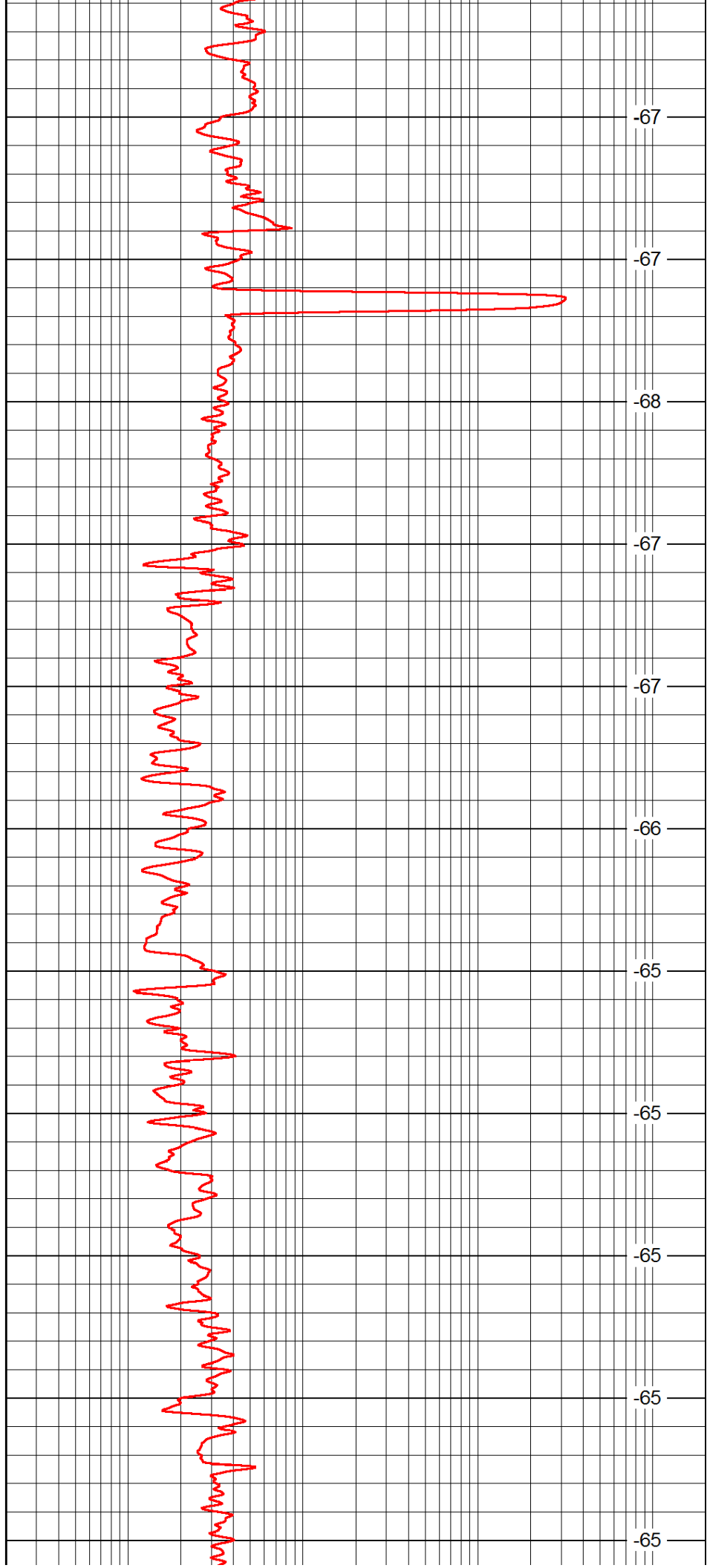
1050

1100

1150

1200

1250



-67

-67

-68

-67

-67

-66

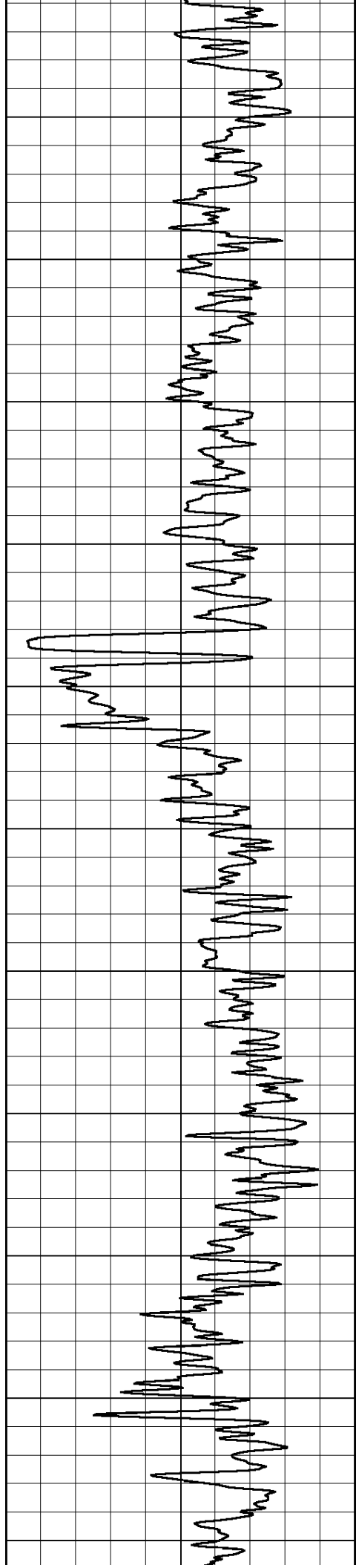
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-65

-65

-65

-65



1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

-65

-65

-65

-45

-46

-46

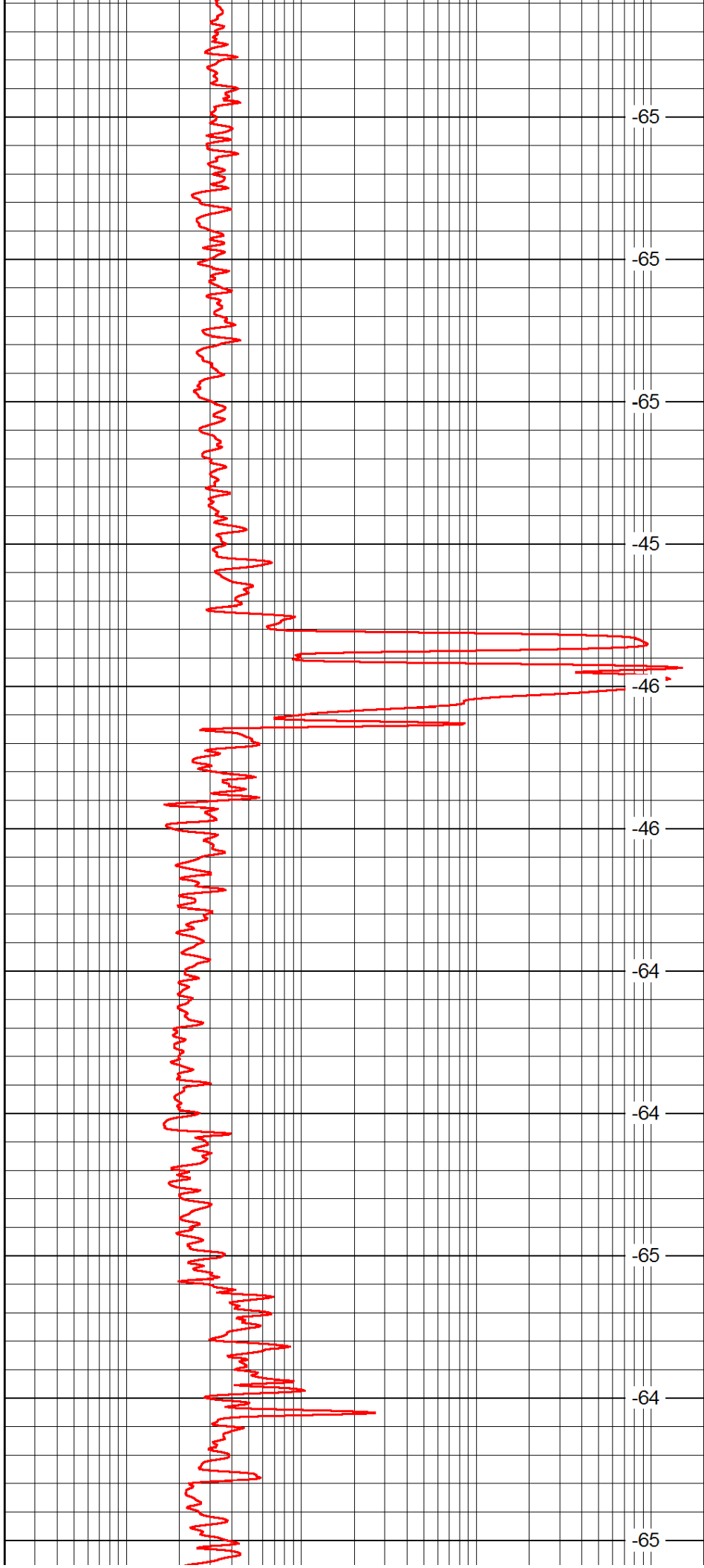
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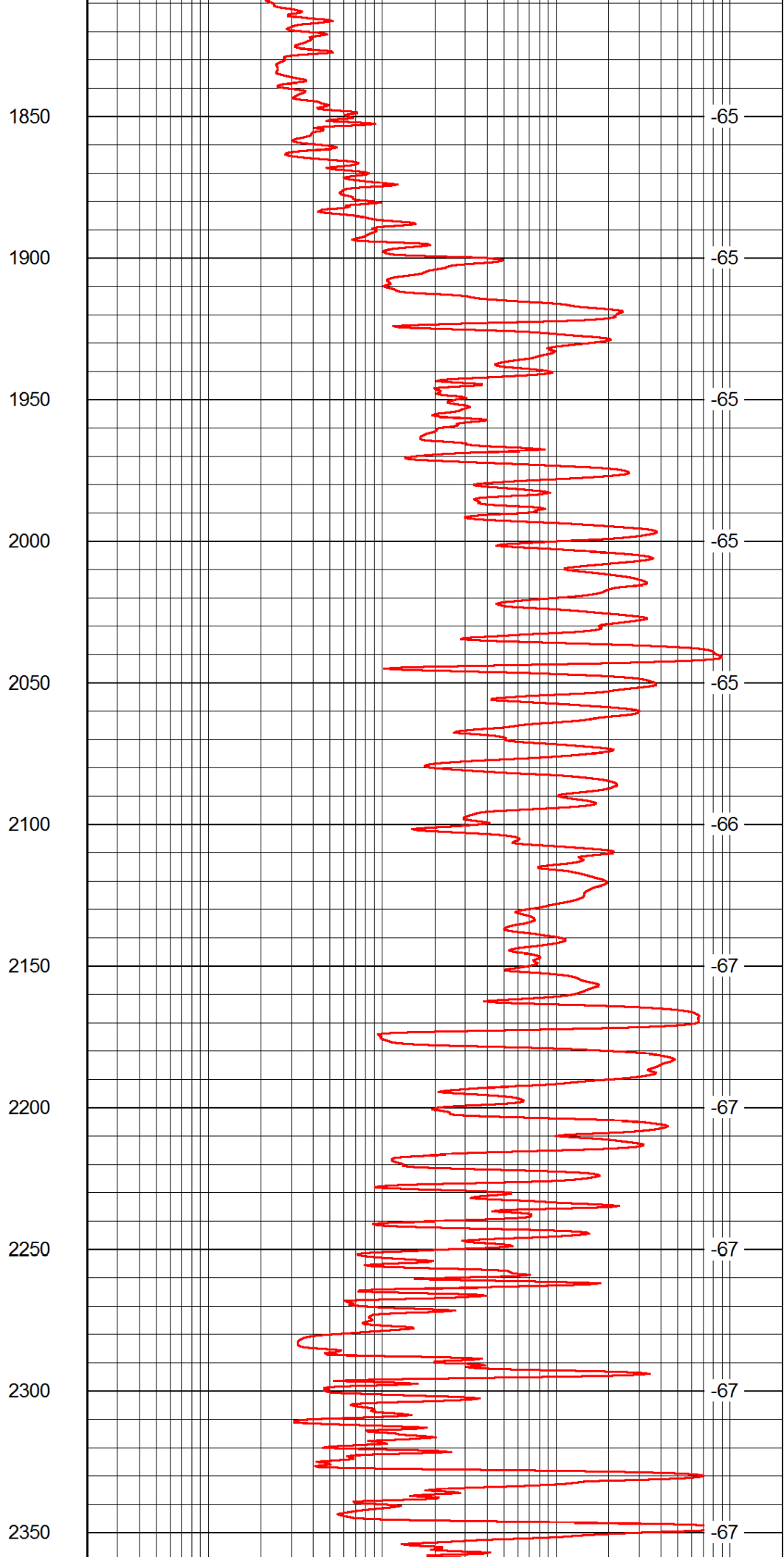
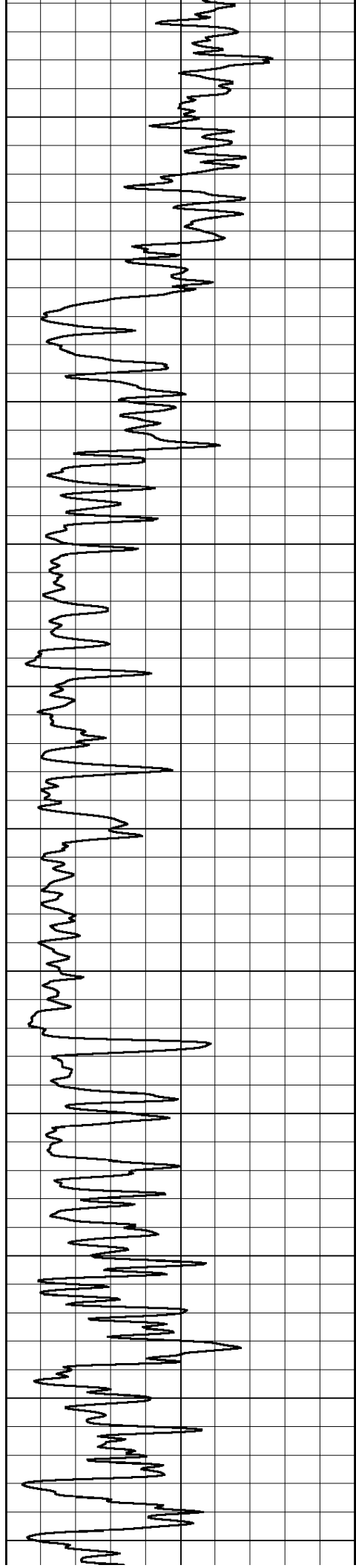
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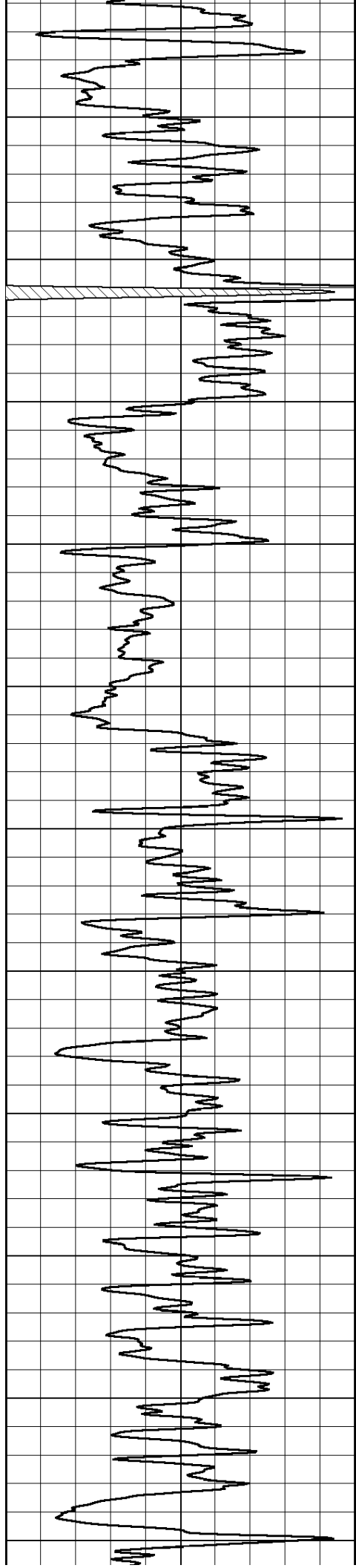
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-64

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2400

2450

2500

2550

2600

2650

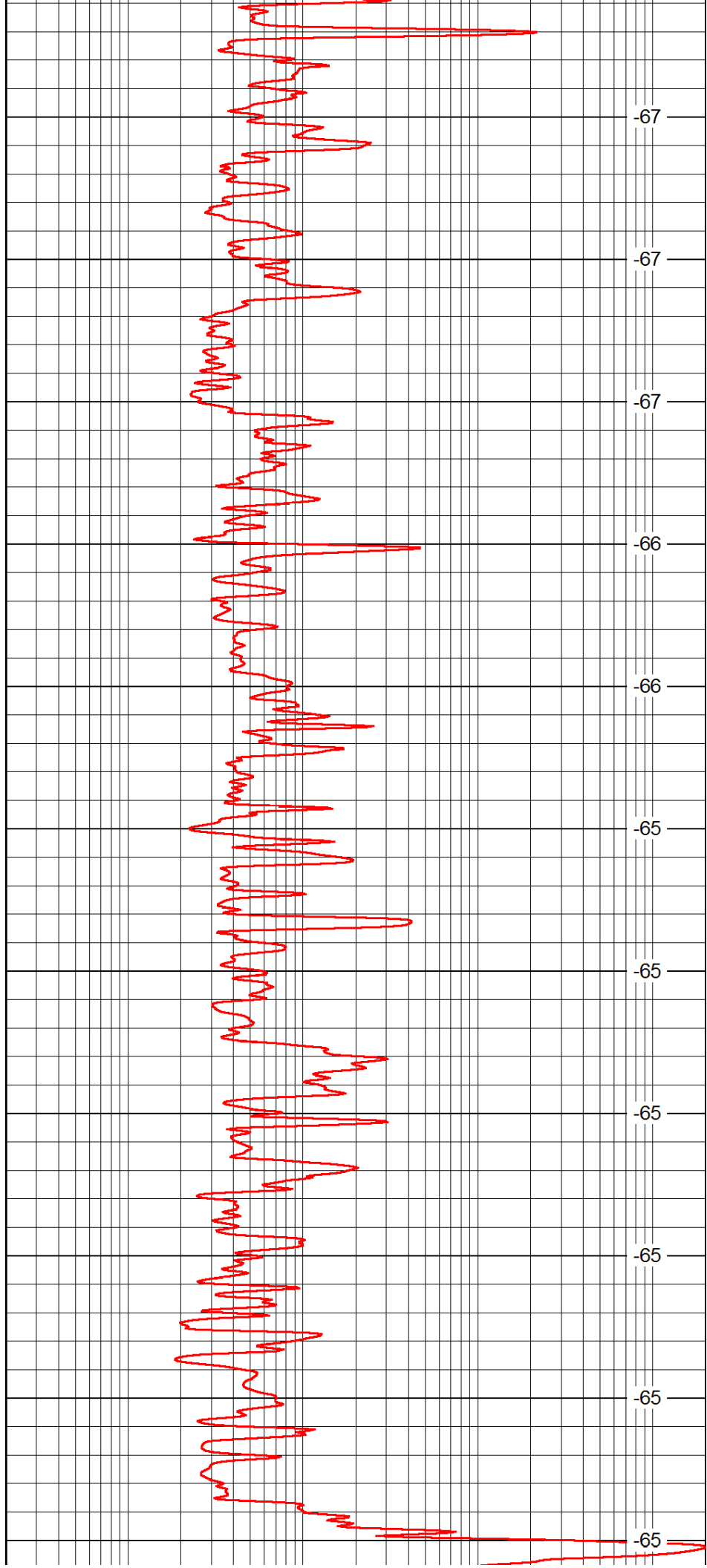
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2750

2800

2850

2900



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-67

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-66

-66

-65

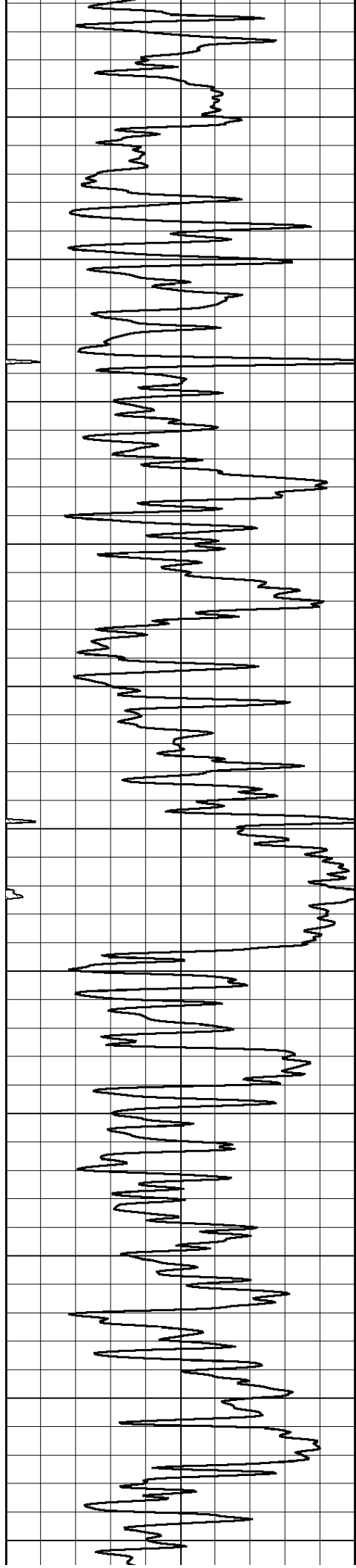
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2950

3000

3050

3100

3150

3200

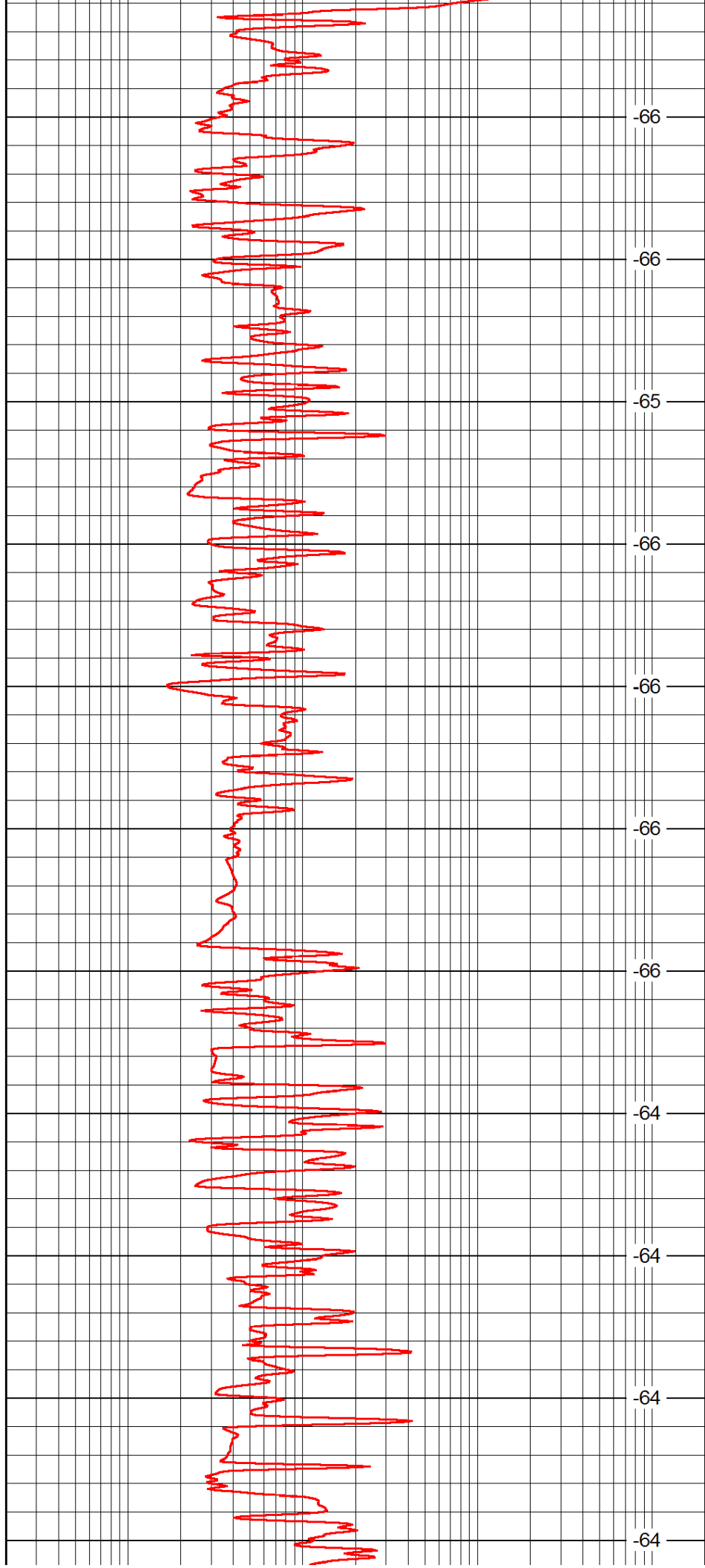
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3300

3350

3400

3450



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-66

-66

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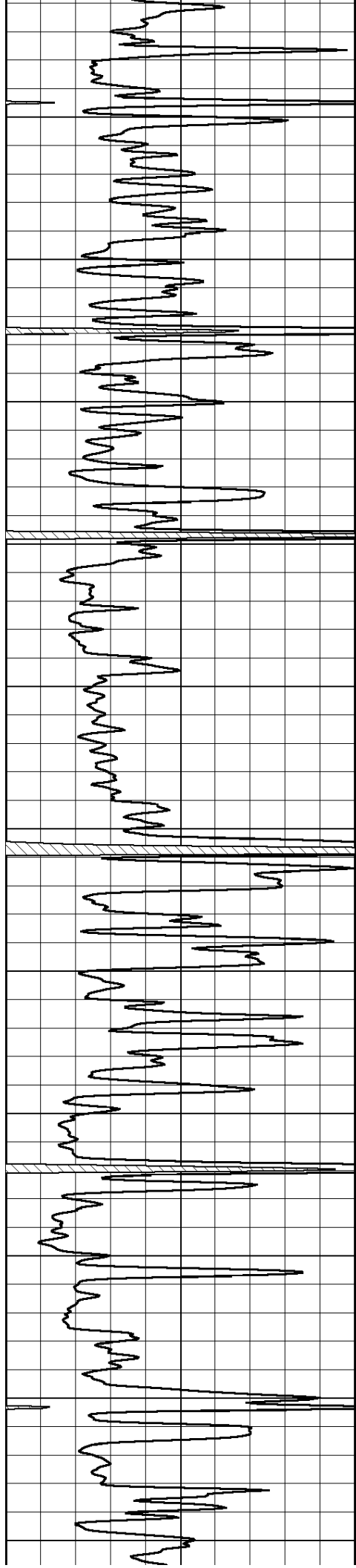
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3600

3650

3700

3750

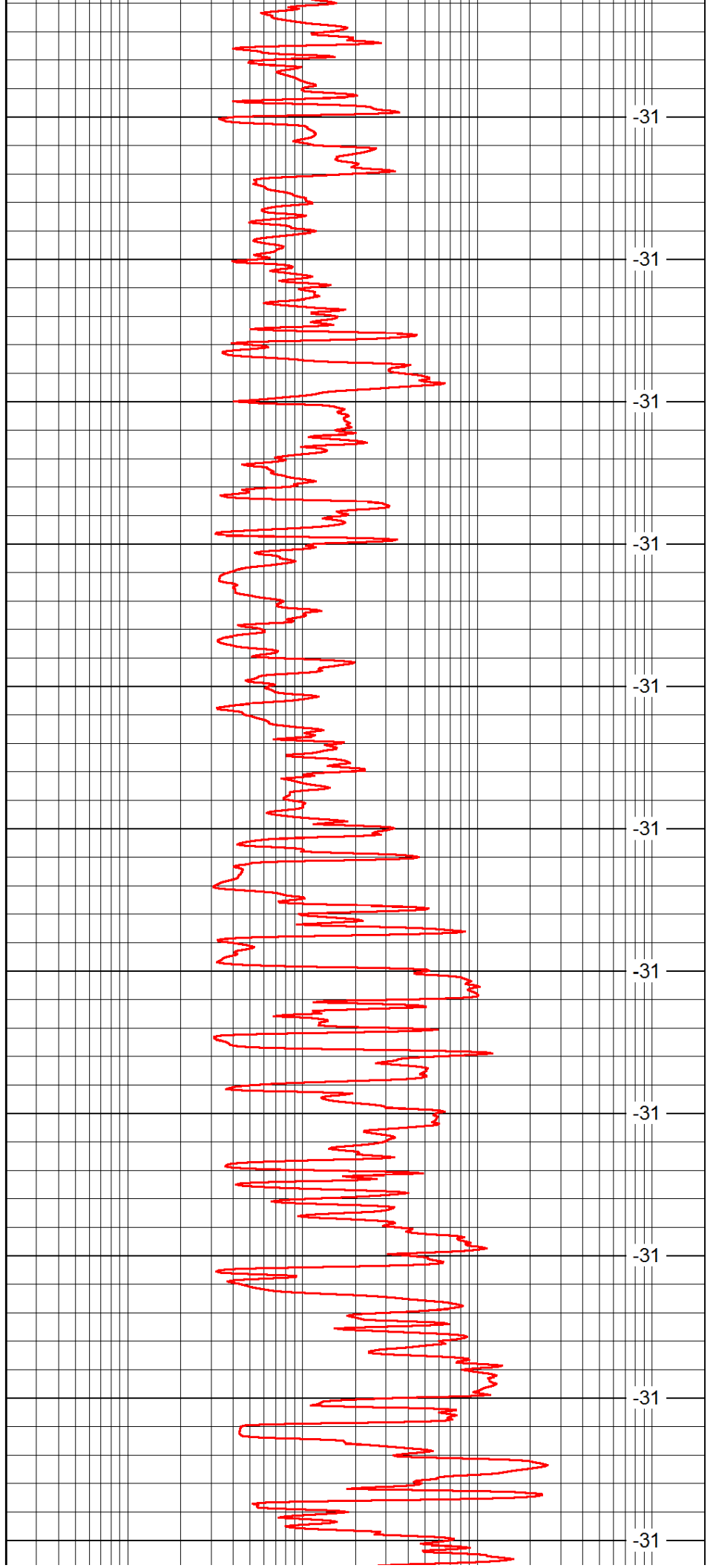
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3850

3900

3950

4000



-31

-31

-31

-31

-31

-31

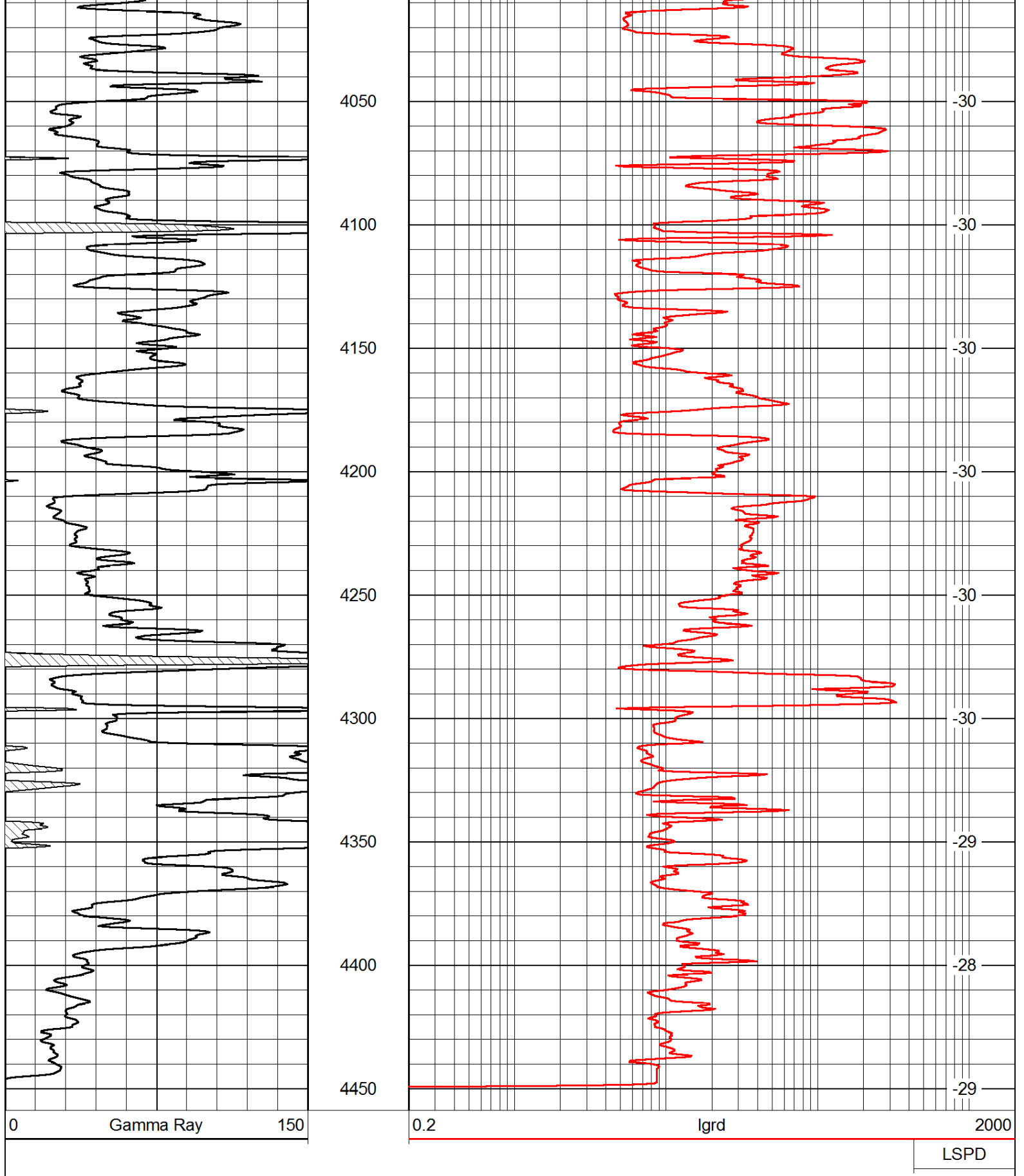
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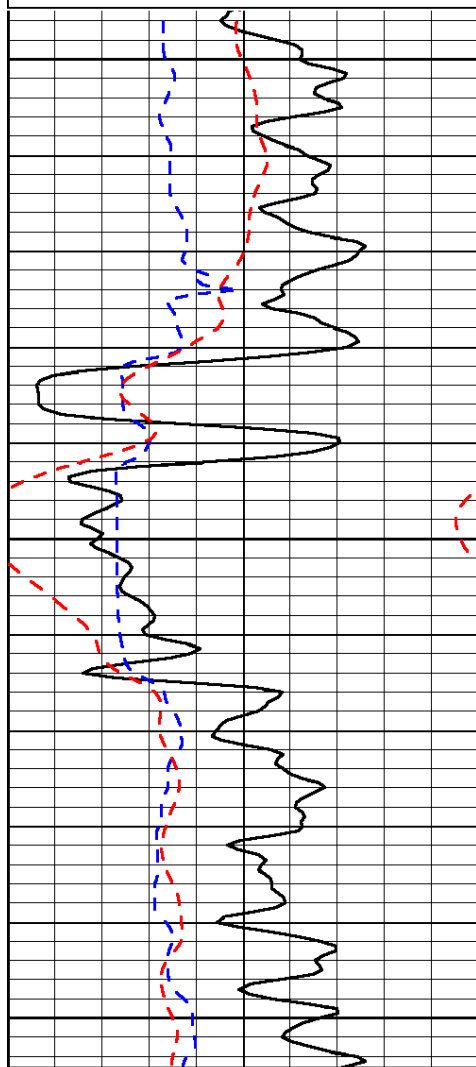


Database File: c:\warrior\data\palomino_wilhelm trust #1\palohd.db
Dataset Pathname: rag/palorag2
Presentation Format: rag
Dataset Creation: Wed Dec 12 20:55:18 2012
Charted by: Depth in Feet scaled 1:240

6	Caliper (GAPI)	16
-200	SP (mV)	0

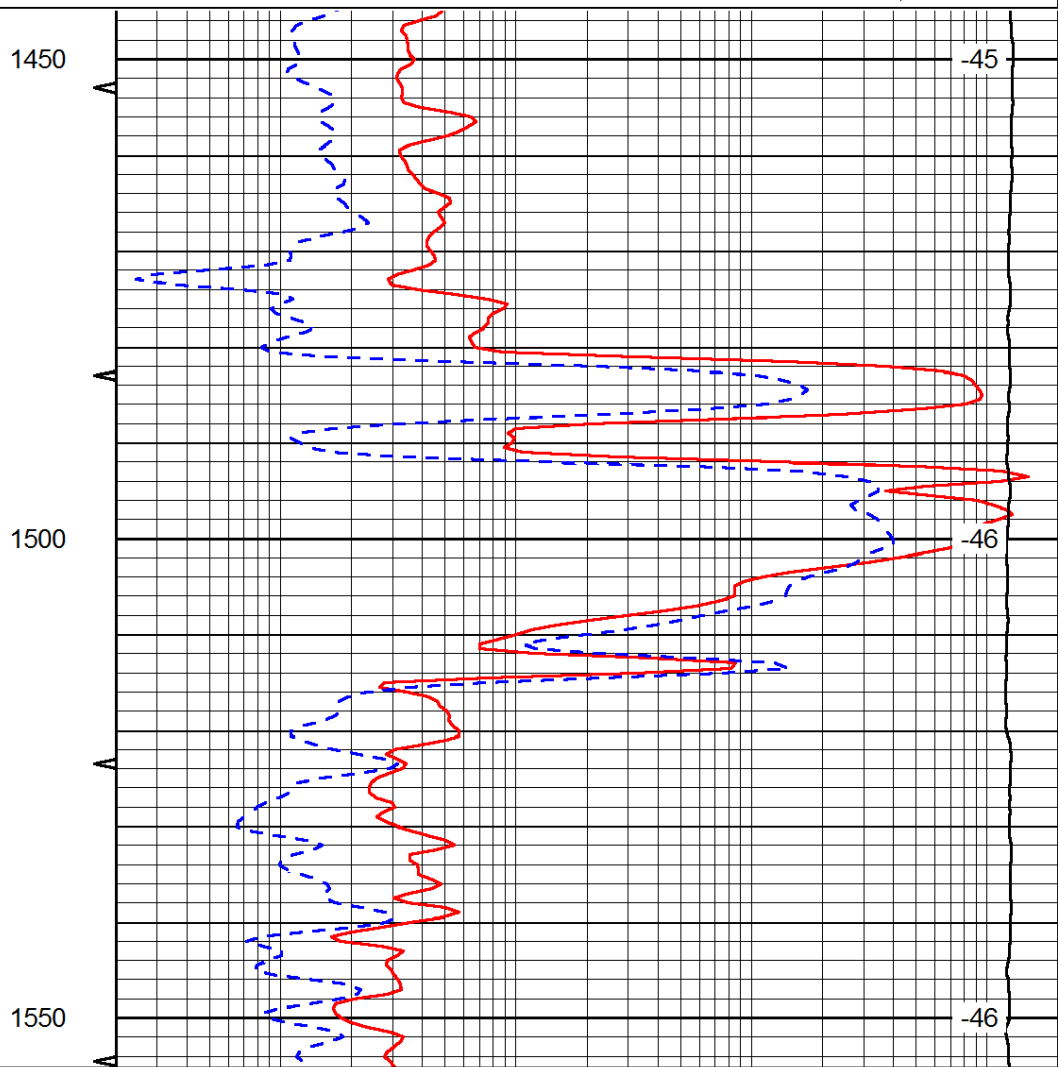
560	Neutron	2160
15000	Line Tension	0

LSPD



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



0.2	Long Guard	2000
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560	Neutron	2160
15000	Line Tension	0

LSPD

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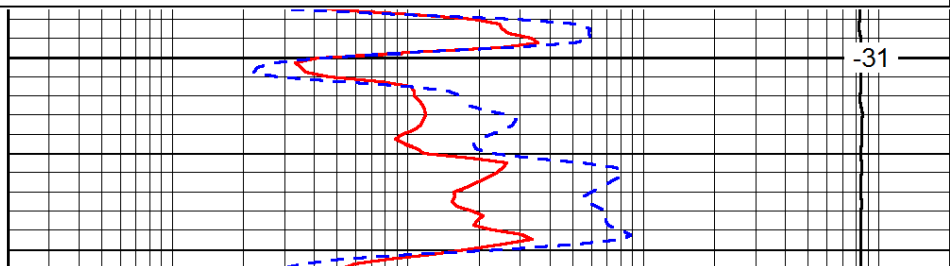
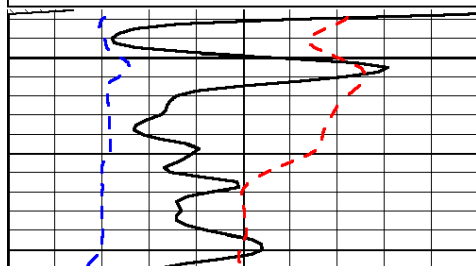
0	Gamma Ray	150
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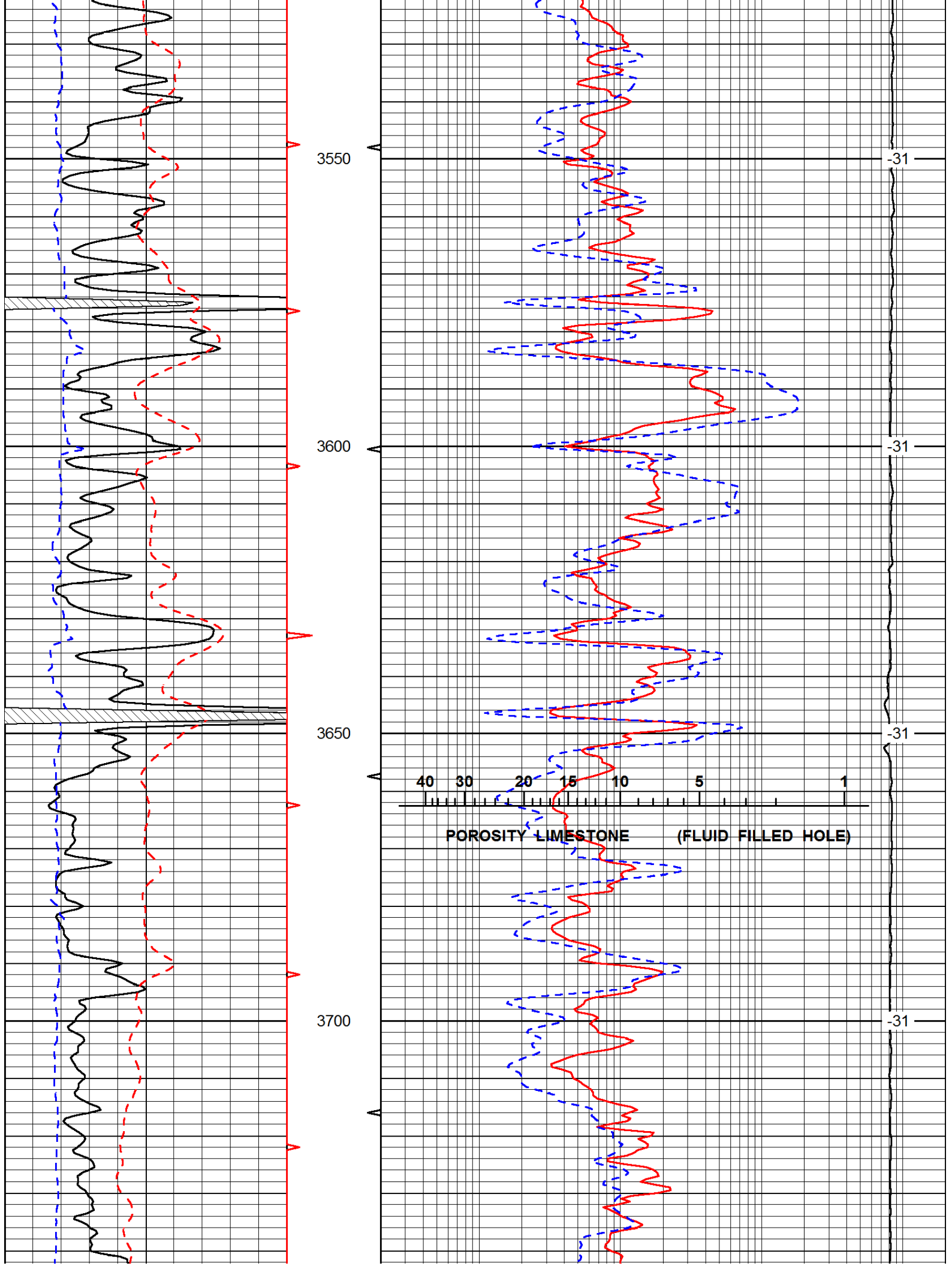
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-200	SP (mV)	0

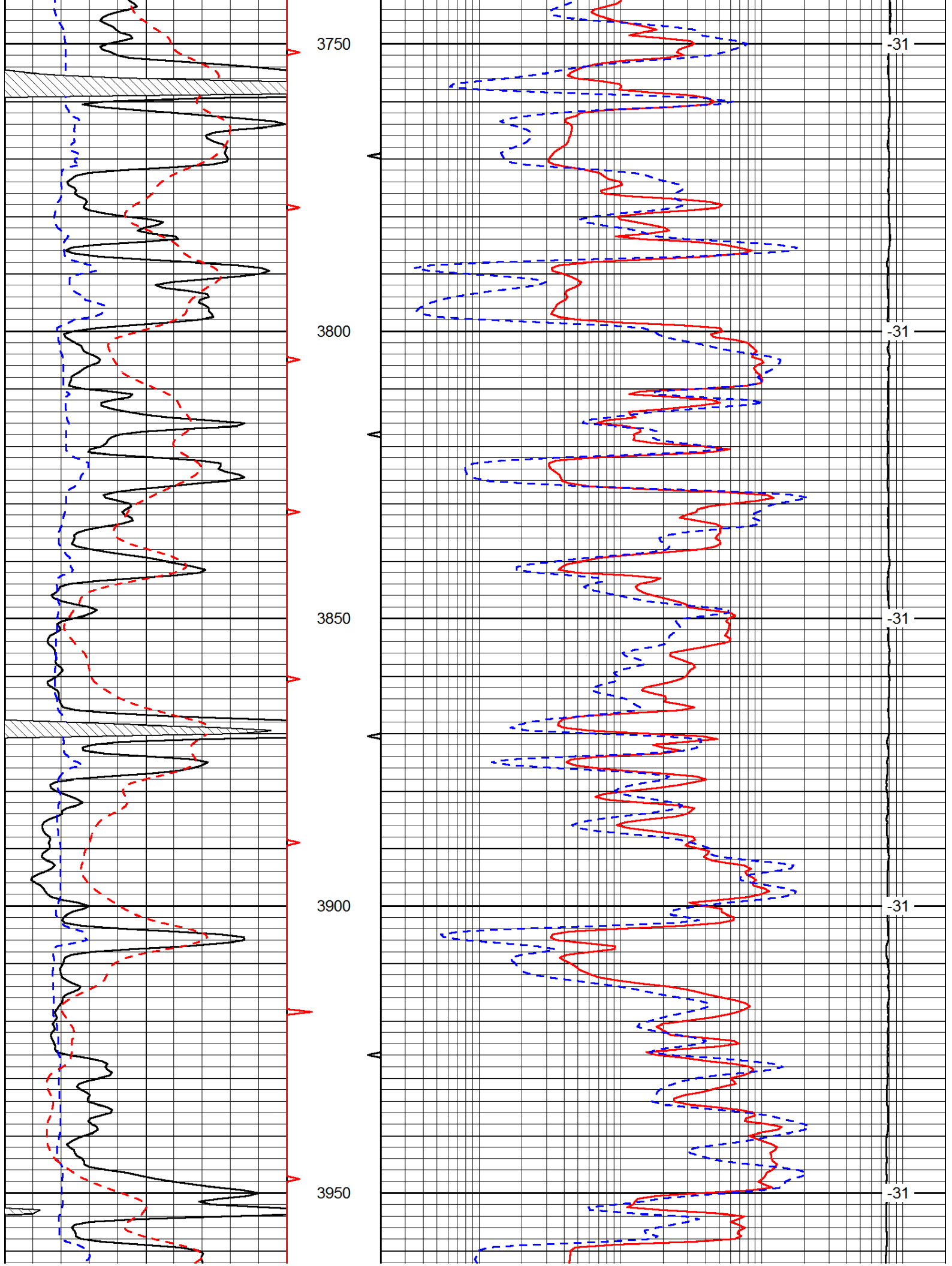
0.2	Long Guard	2000
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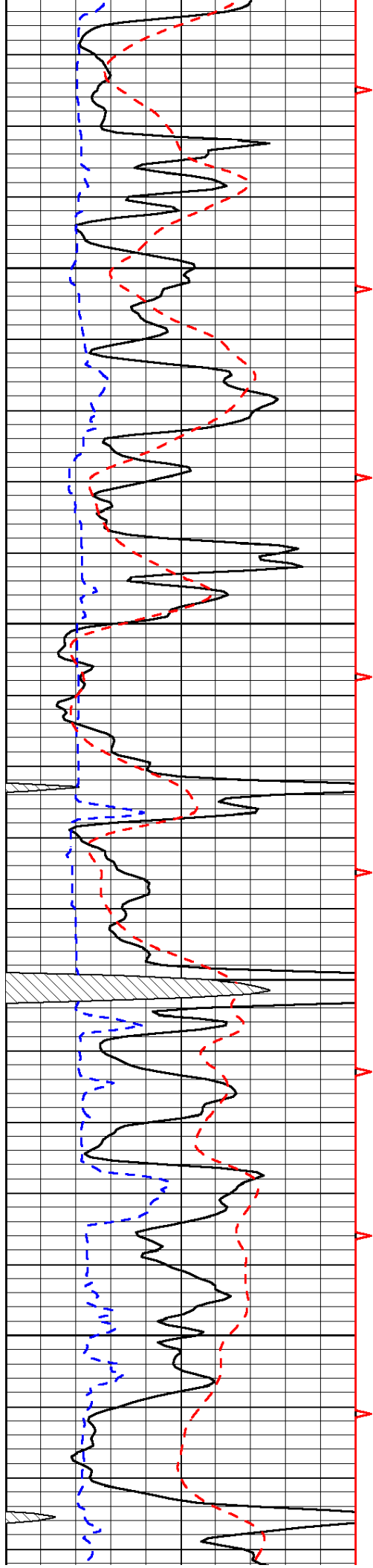
560	Neutron	2160
15000	Line Tension	0

LSPD







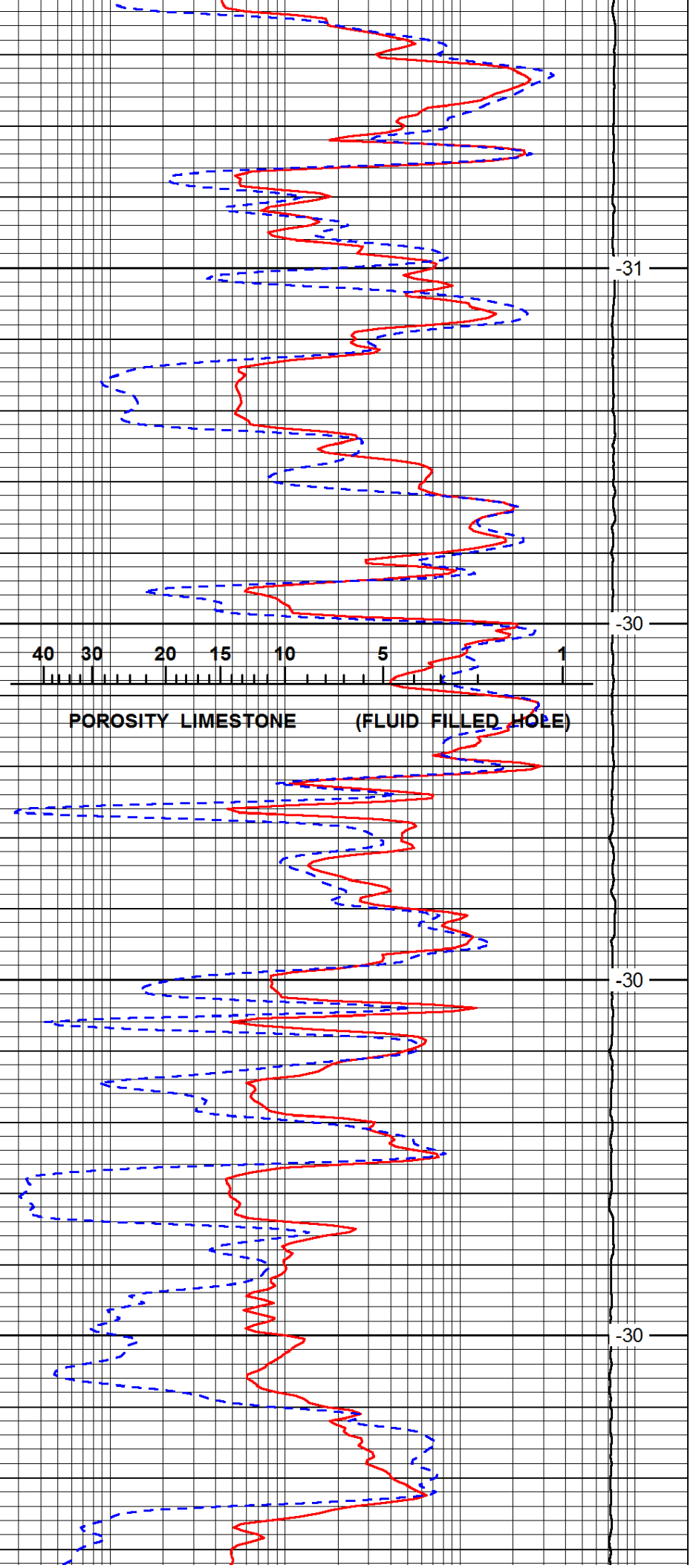


4000

4050

4100

4150



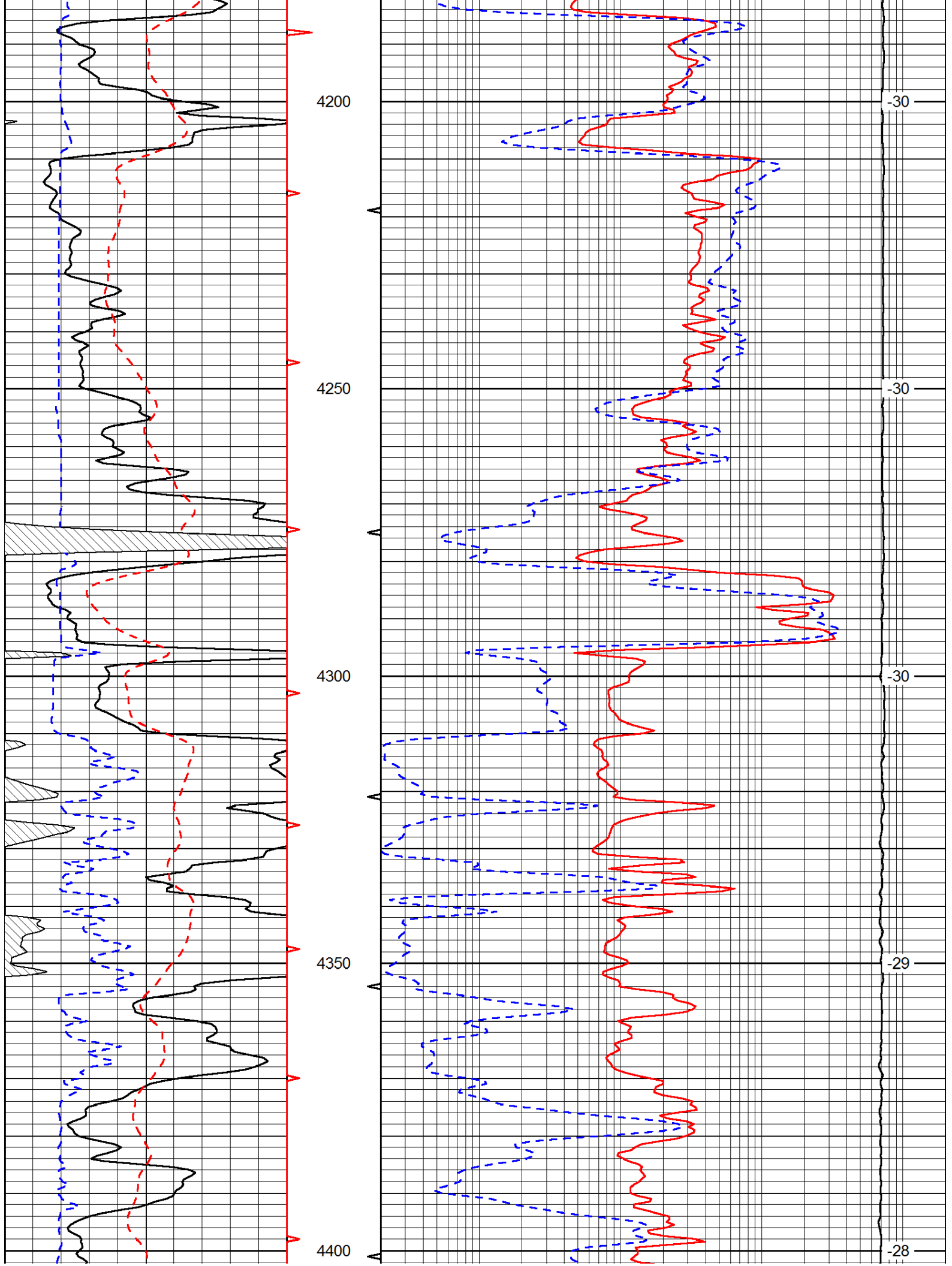
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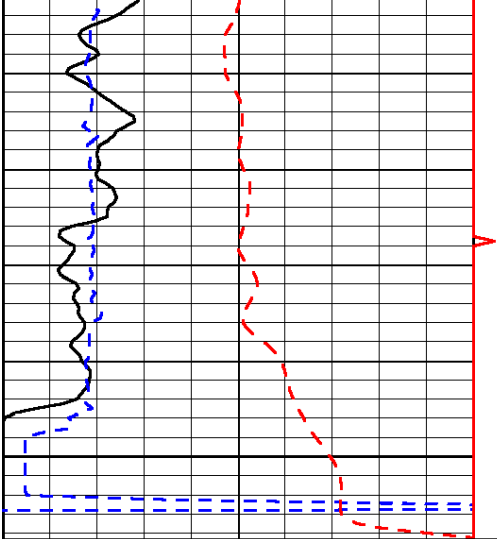
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-30

-30

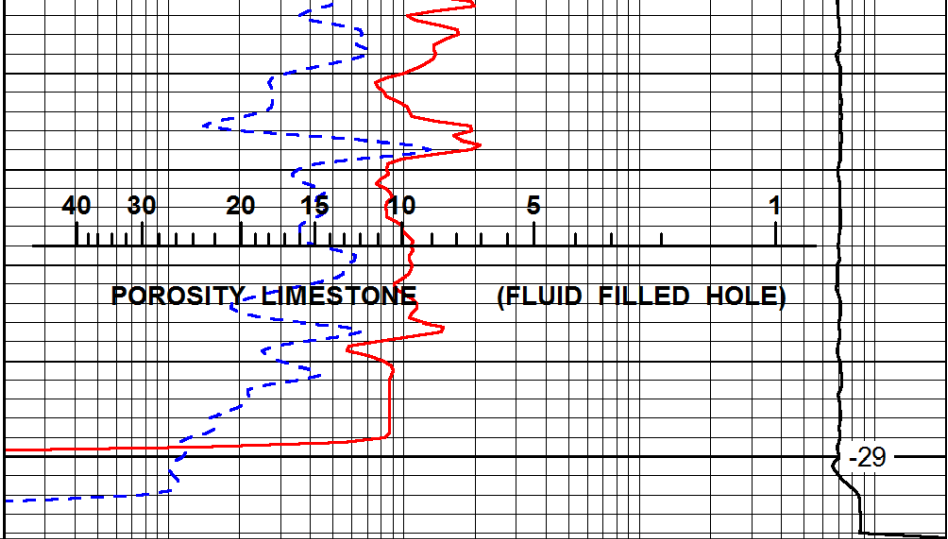
POROSITY LIMESTONE (FLUID FILLED HOLE)





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

4450



0.2	Long Guard	2000
560	Neuton	2160
15000	Line Tension	0

LSPD