



Pioneer Energy Services

Microresistivity Log

15-009-26,006-00-00

API No.

Company **F.G. Holl Company, LLC**
 Well **Schmidt Trust "A" # 1-11**
 Field **Wildcat**
 County **Barton** State **Kansas**

Location **S2-SE-NW
2400' FNL & 2000' FWL**

Sec: **11** Twp: **20S** Rge: **15W**

Other Services
CNL/CDL
DIL/BHCS

Elevation

Permanent Datum **Ground Level** Elevation **1954**
 Log Measured From **Kelly Bushing** 8 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

K.B. 1962
D.F. 1954
G.L. 1954

| | |
|------------------------|----------------|
| Date | 8/18/2014 |
| Run Number | Two |
| Depth Driller | 3900 |
| Depth Logger | 3895 |
| Bottom Logged Interval | 3894 |
| Top Log Interval | 1750 |
| Casing Driller | 8.625 @ 940 |
| Casing Logger | 937 |
| Bit Size | 7.875 |
| Type Fluid in Hole | Chemical |
| Salinity, ppm CL | 7,100 |
| Density / Viscosity | 9.6 43 |
| pH / Fluid Loss | 9.0 11.2 |
| Source of Sample | Flowline |
| Rm @ Meas. Temp | .21 @ 85 |
| Rmf @ Meas. Temp | .16 @ 85 |
| Rmc @ Meas. Temp | .28 @ 85 |
| Source of Rmf / Rmc | Charts |
| Rm @ BHT | .16 @ 115 |
| Operating Rig Time | 5 Hours |
| Max Rec. Temp. F | 115 |
| Equipment Number | 15 |
| Location | Hays |
| Recorded By | J. Hennickson |
| Witnessed By | Ryan Greenbaum |

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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.pioneerenergy.com
 785 625 3858

Great Bend Kansas
 West on HWY 56 to SW 30 Rd, 5 West to 100 Rd, 1/2 North, East Into



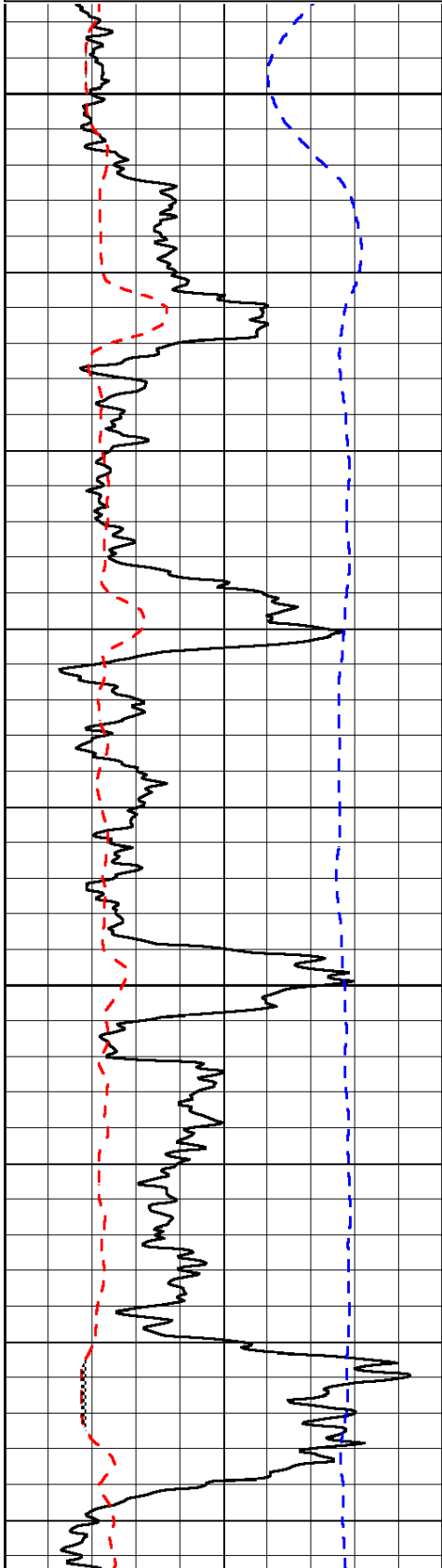
High Resolution

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Presentation Format: micro
Dataset Creation: Mon Aug 18 21:26:38 2014
Charted by: Depth in Feet scaled 1:120

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

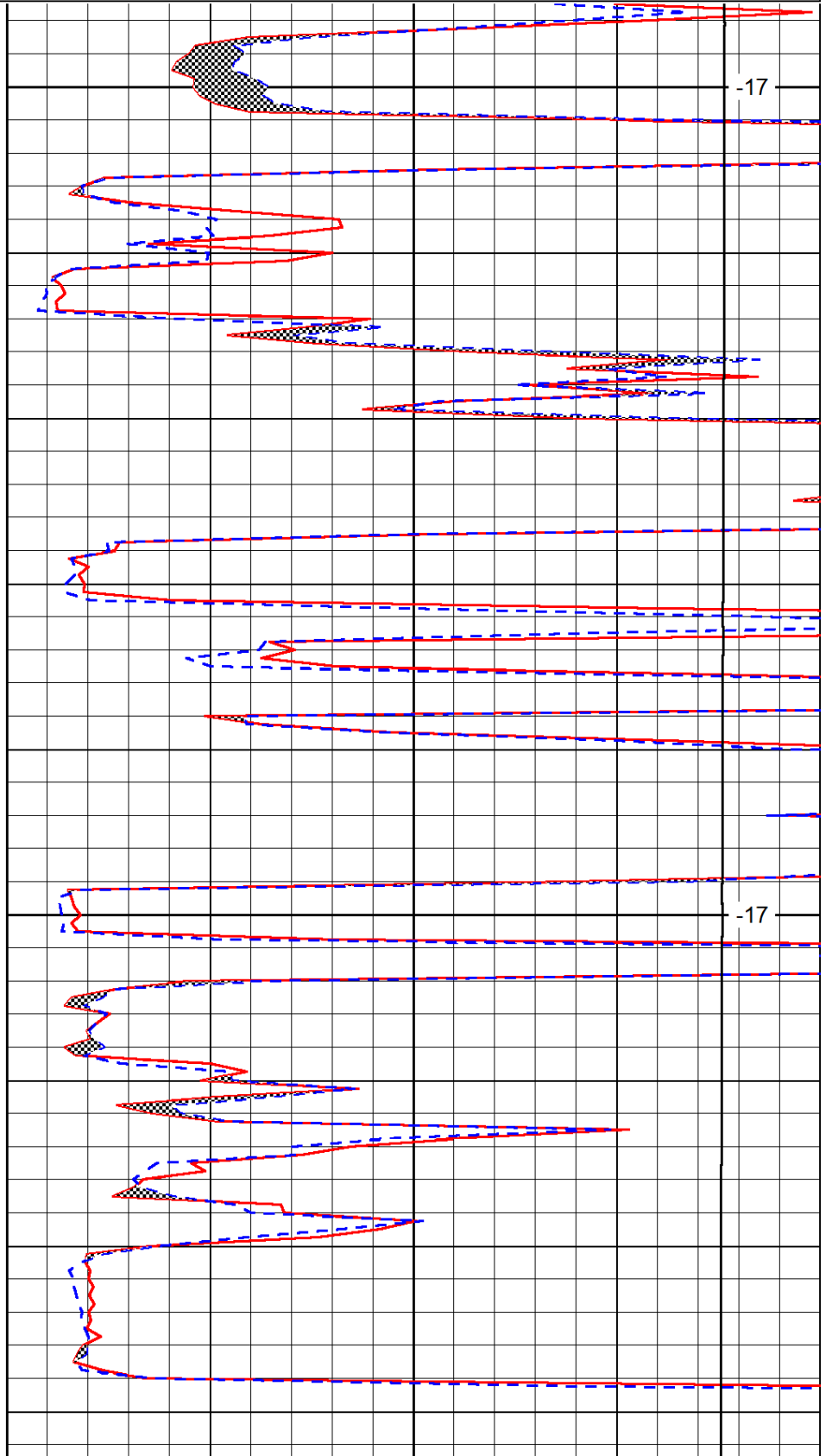
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| 0 | Micro Inverse 1 X 1 | 40 |
| 0 | Micro Normal 2" | 40 |
| 15000 | Line Weight | 0 |

LSPD



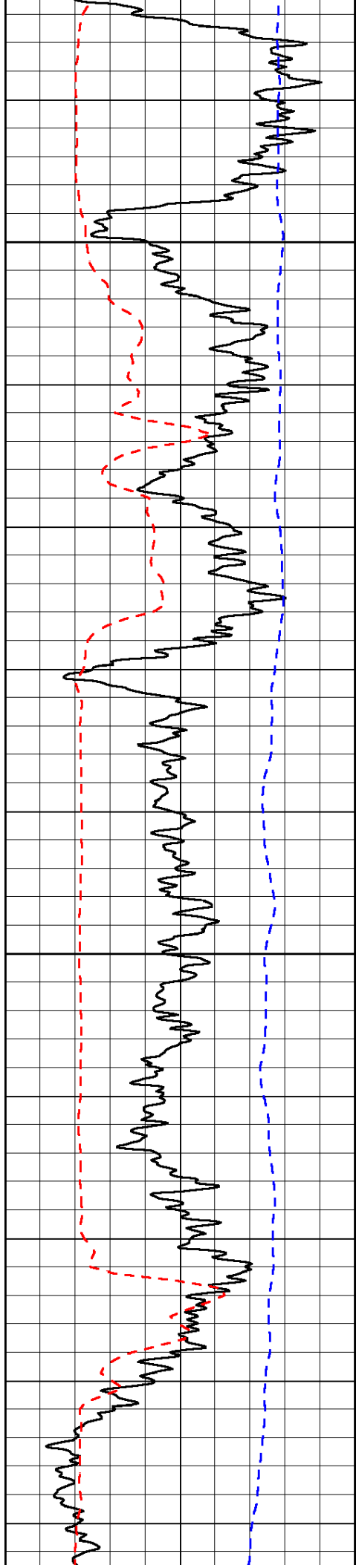
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3550



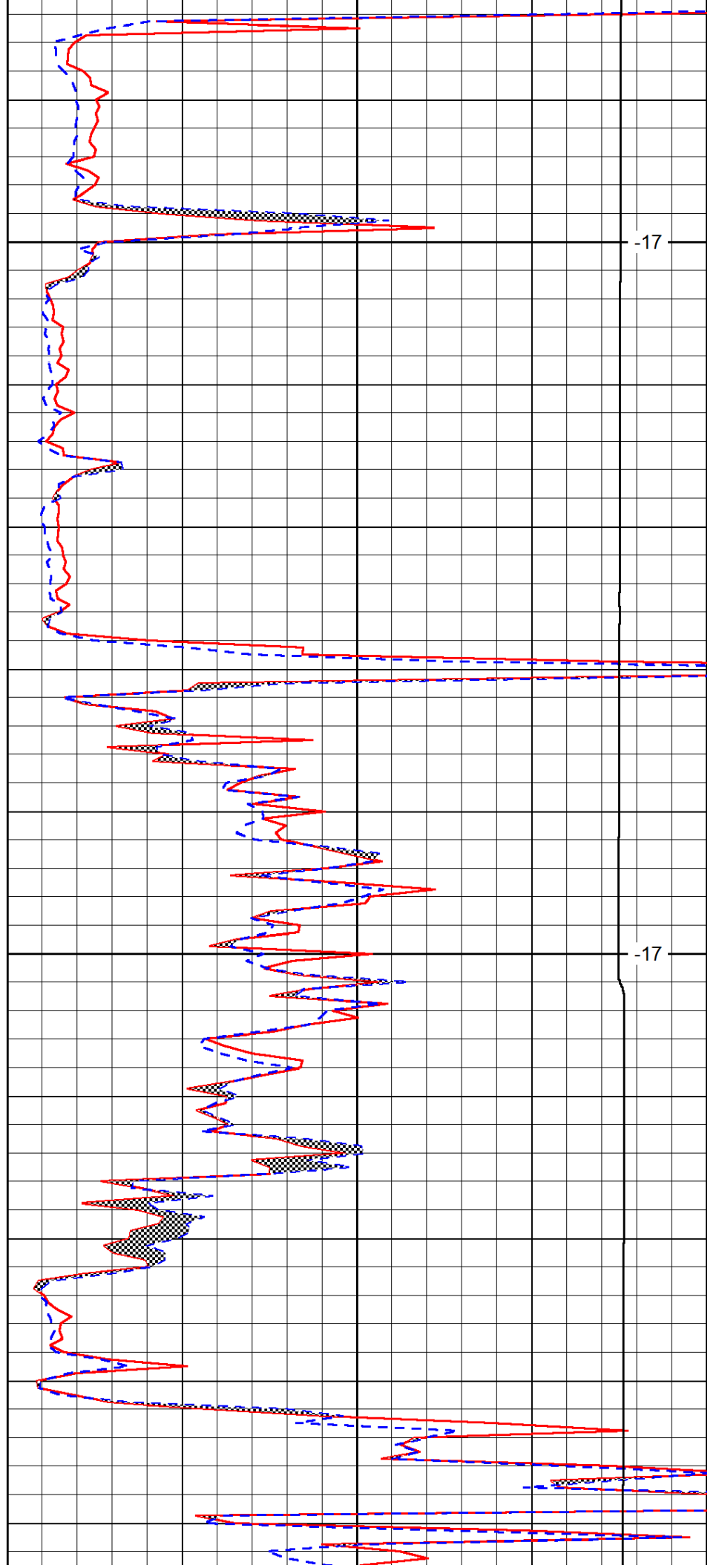
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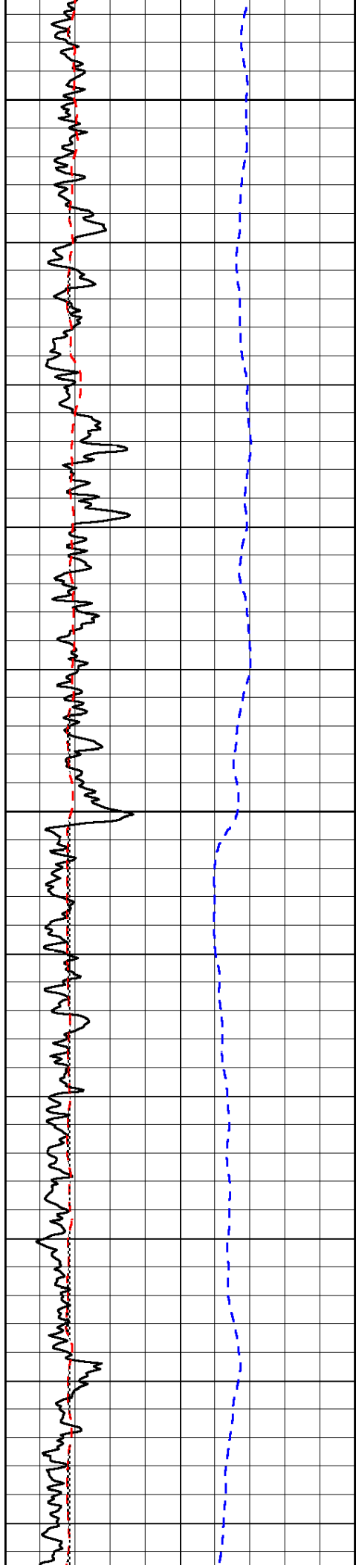
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3650



-17

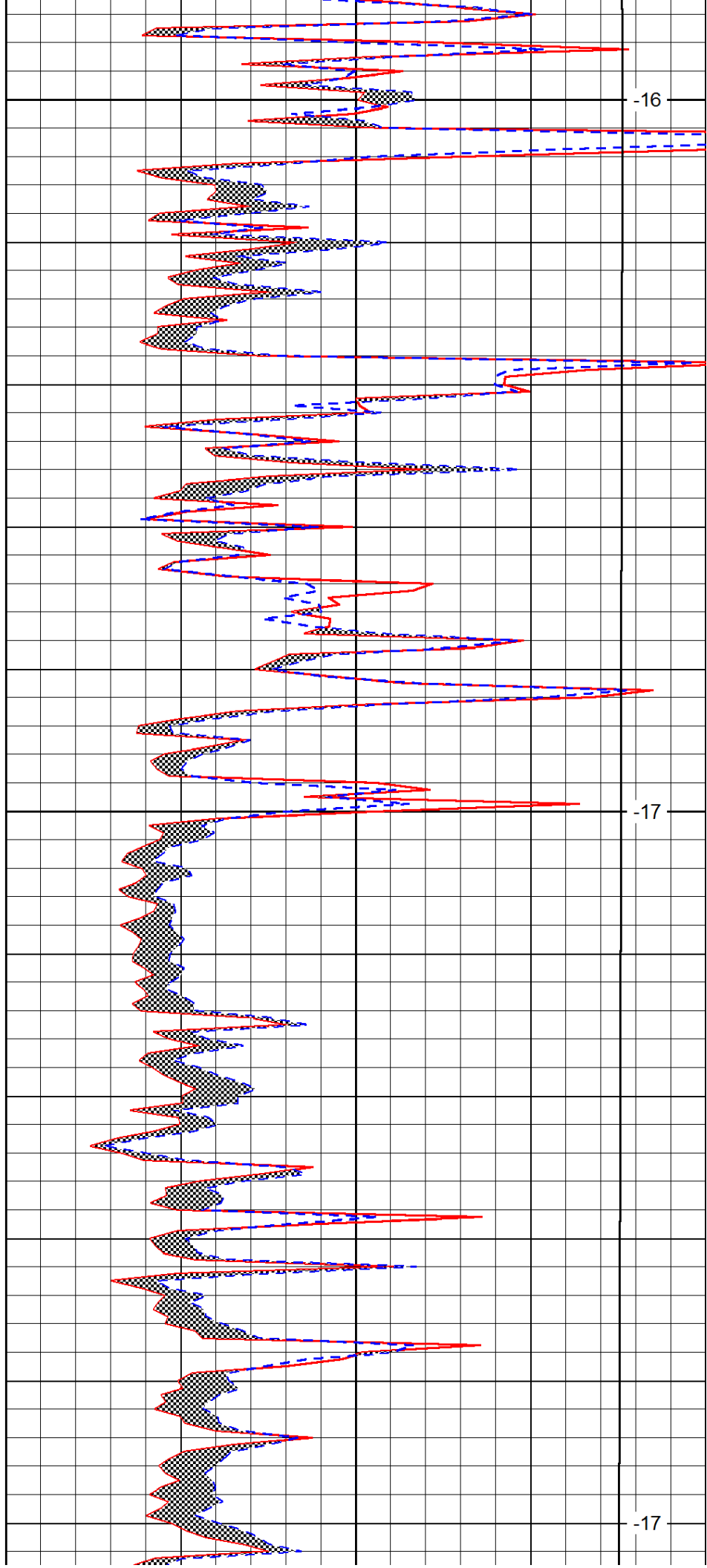
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3700

3750

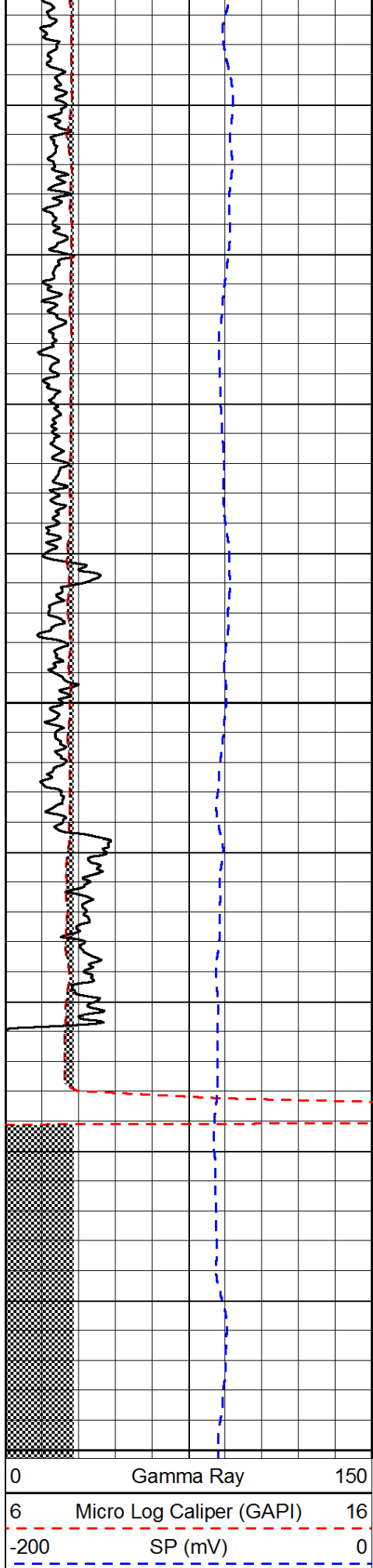
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-16

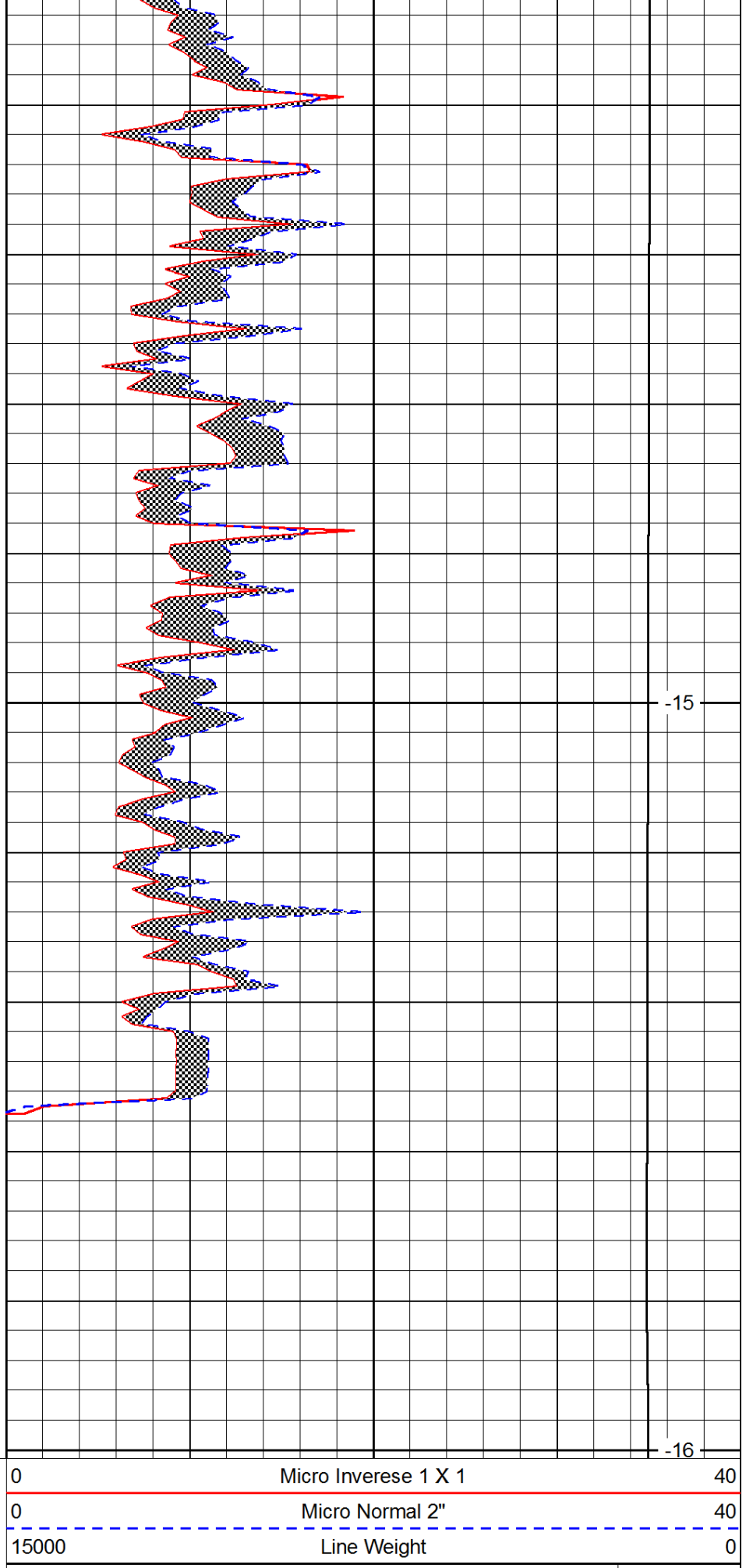
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3850

3900



-15

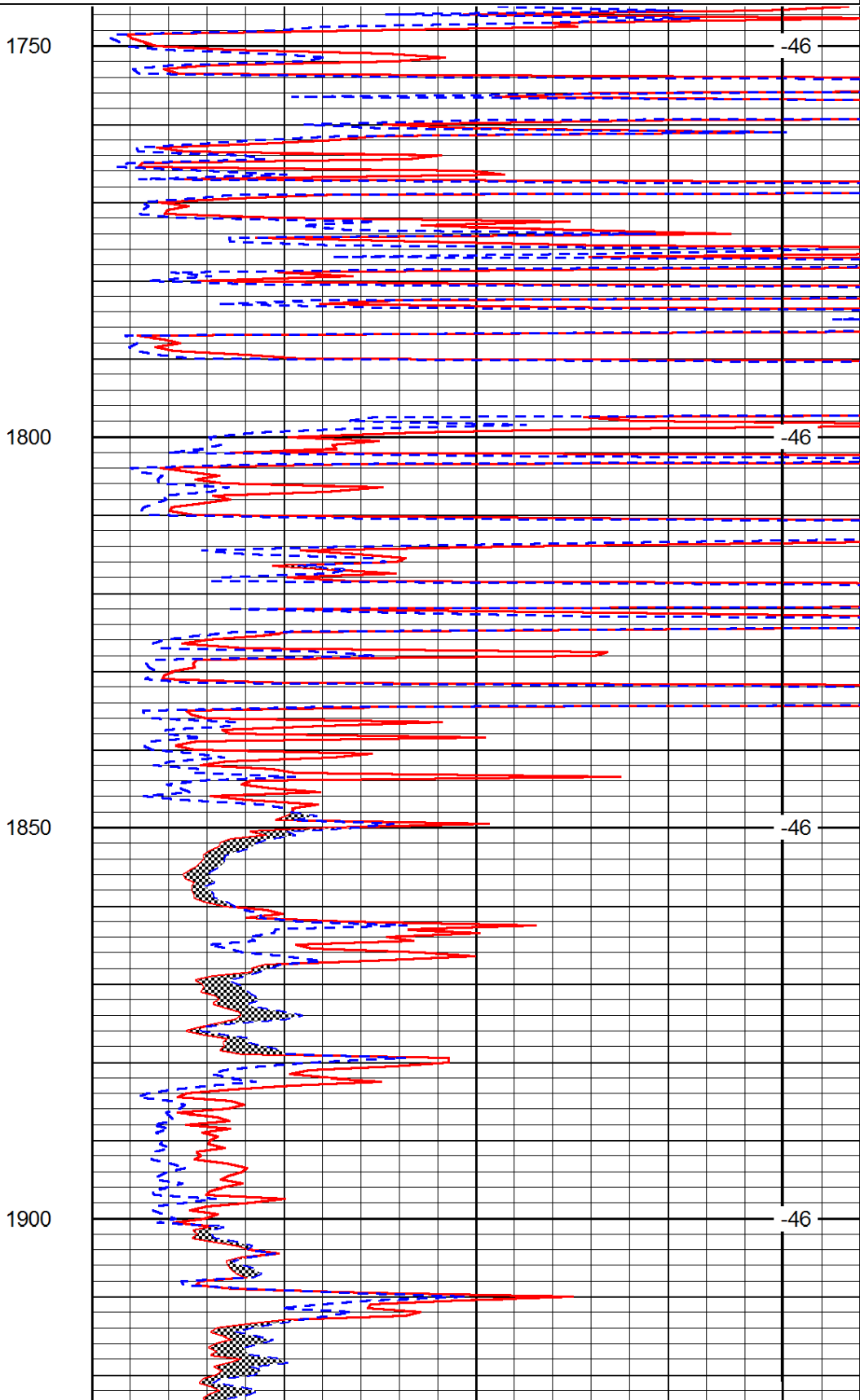
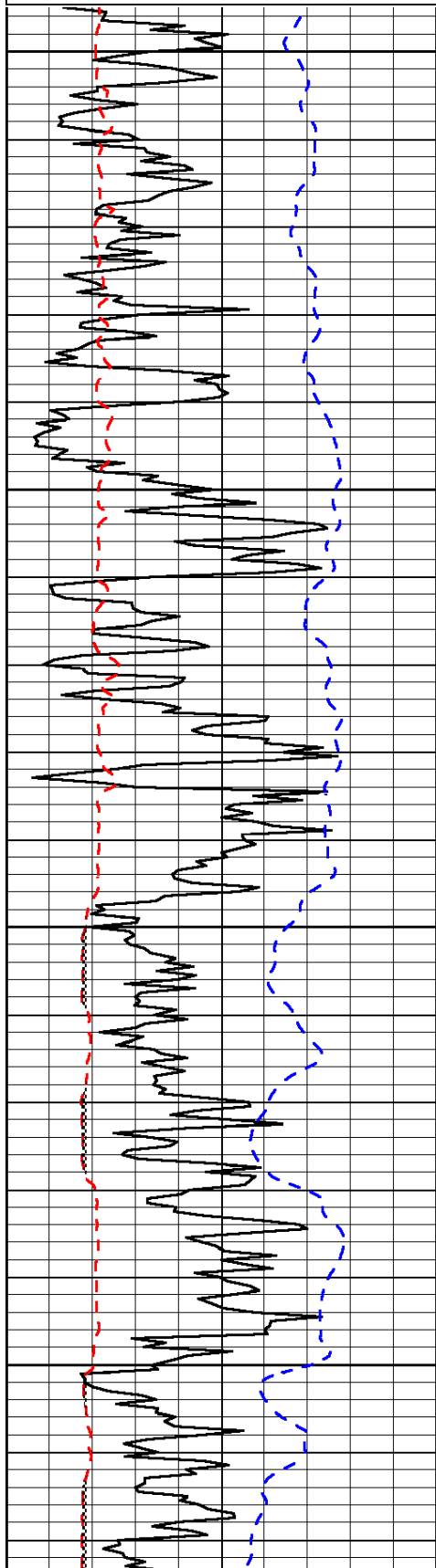
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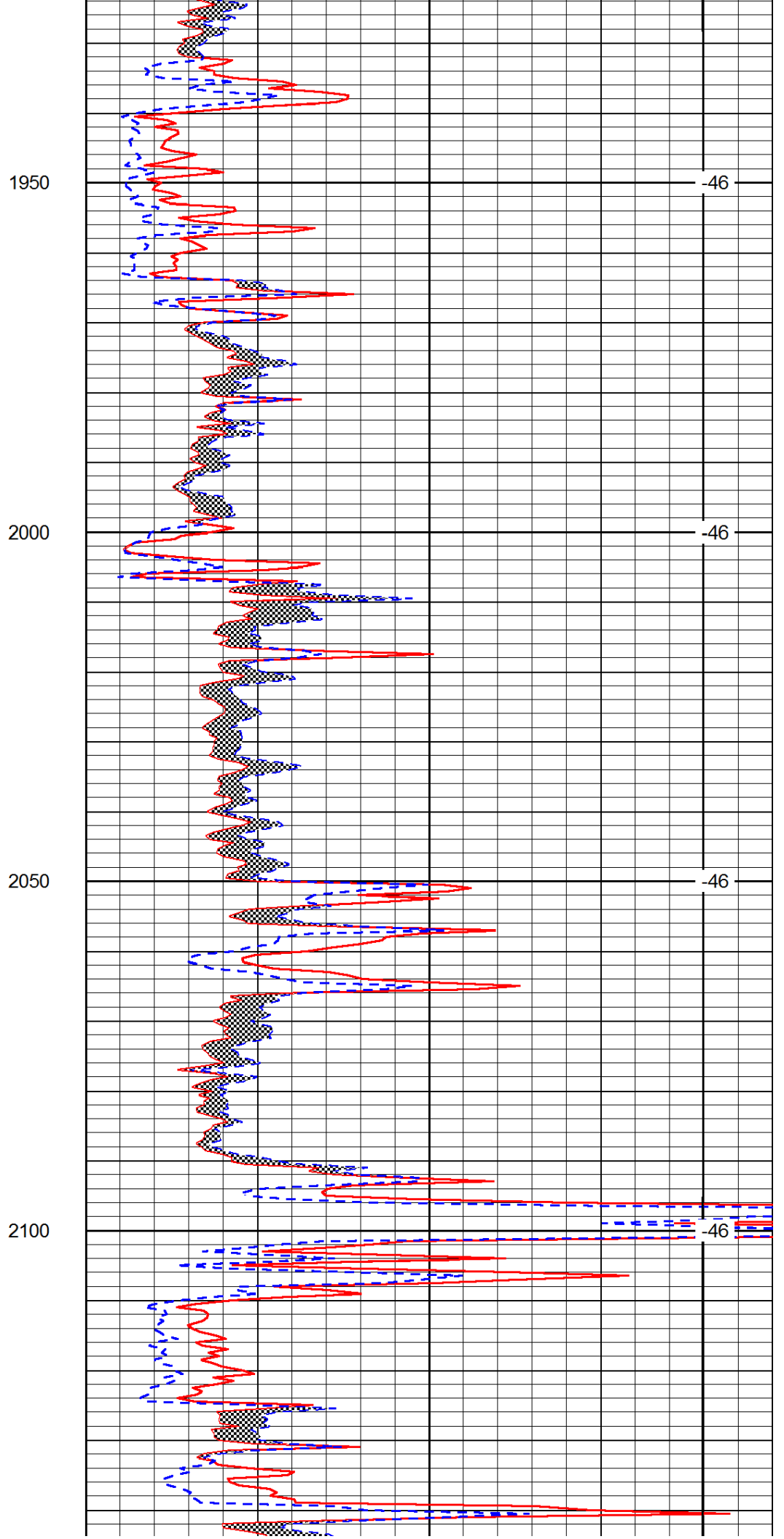
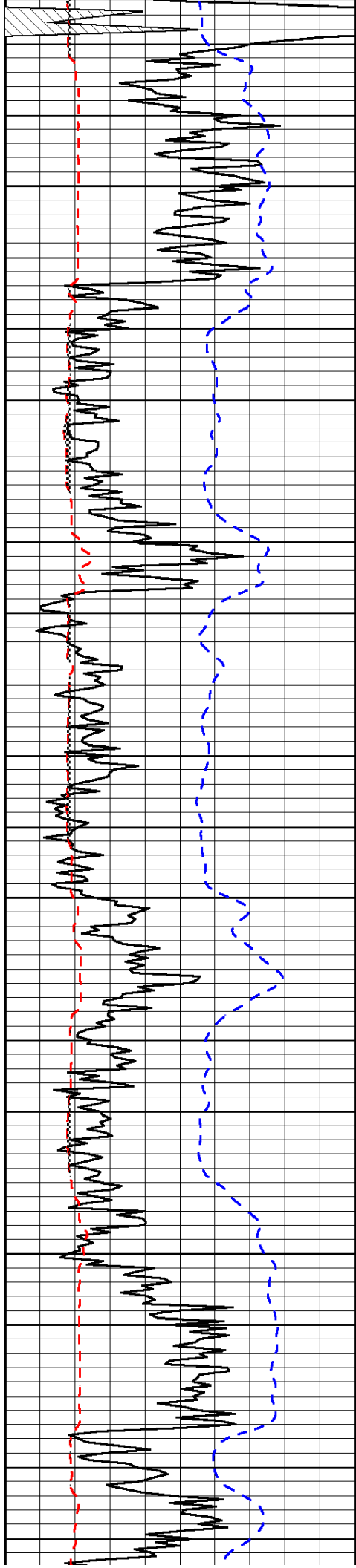
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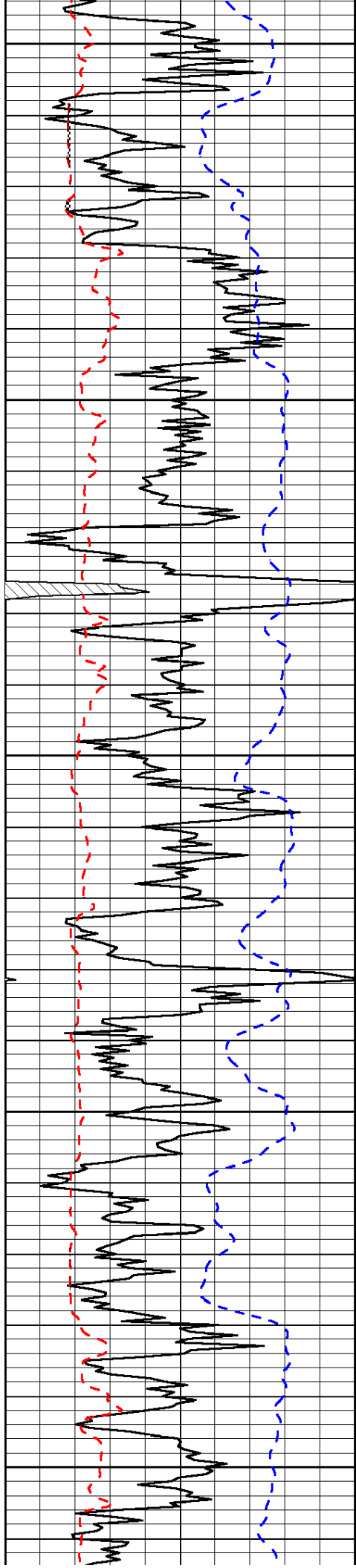
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LSPD







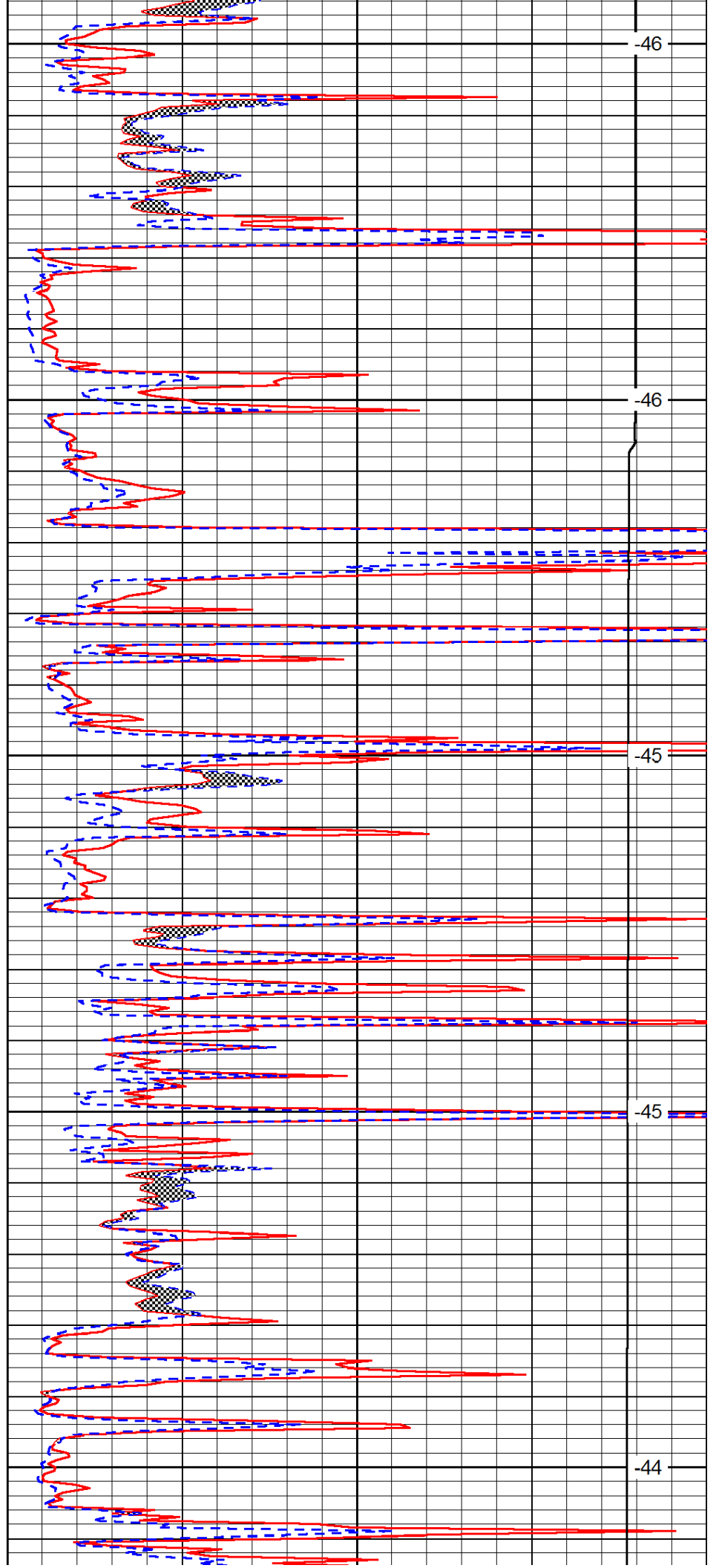
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2200

2250

2300

2350



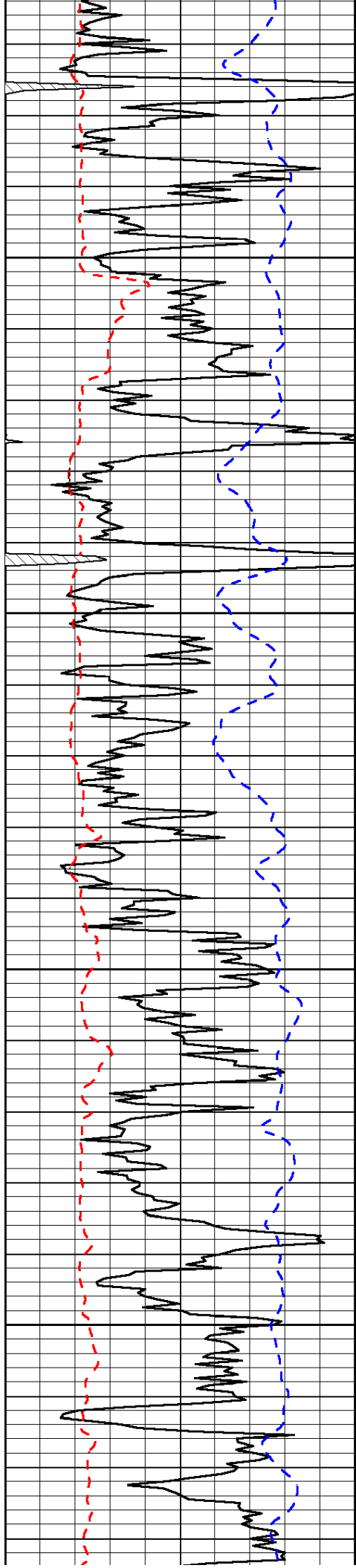
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-45

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-44

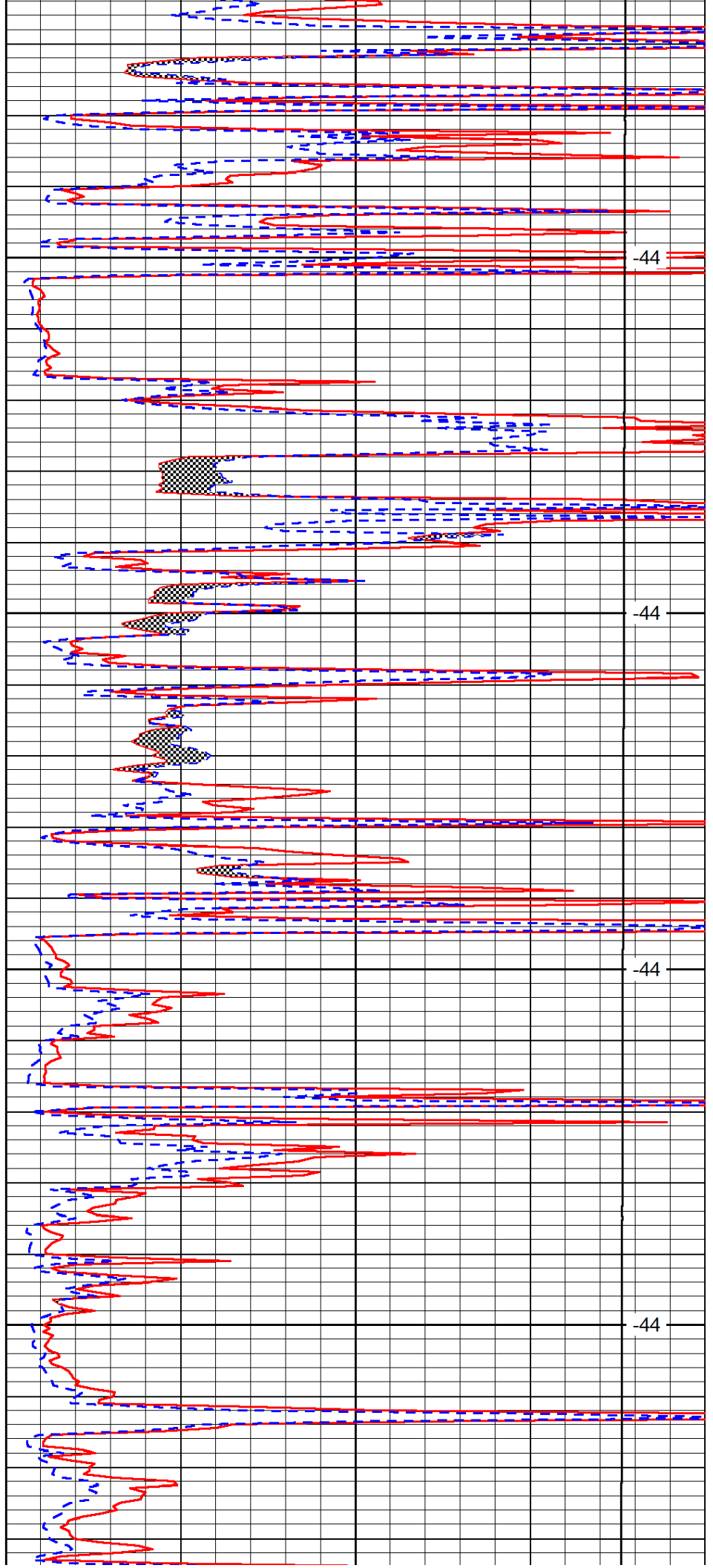


2400

2450

2500

2550

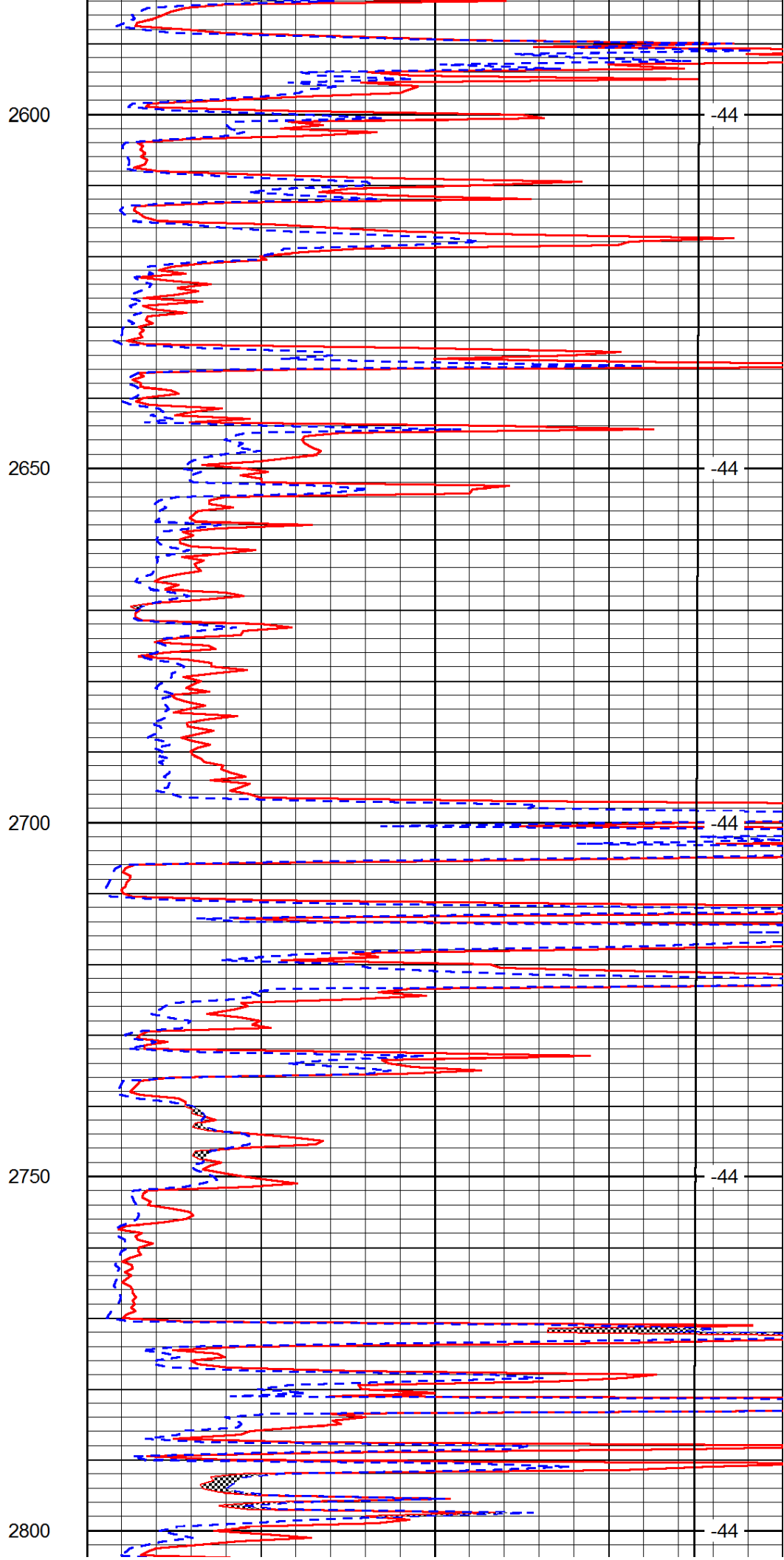
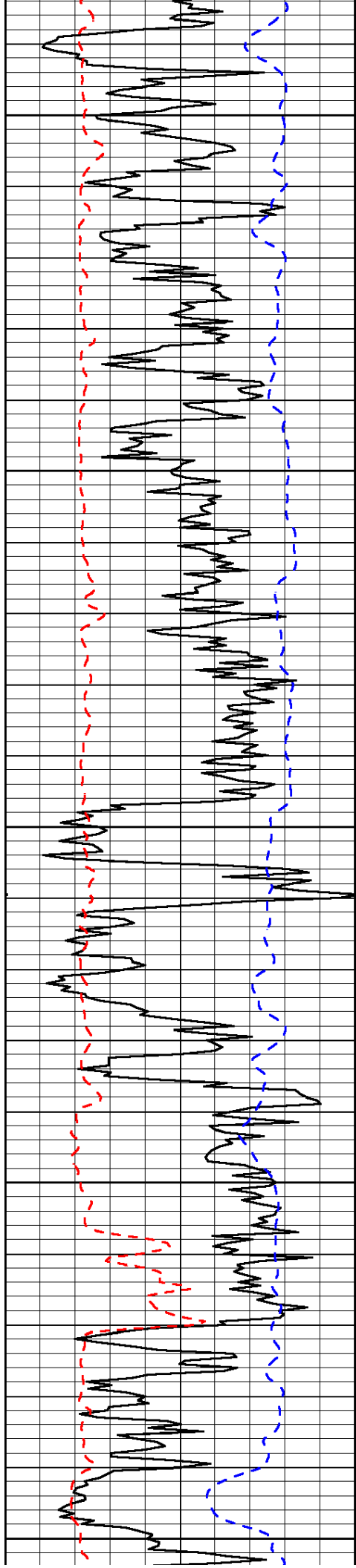


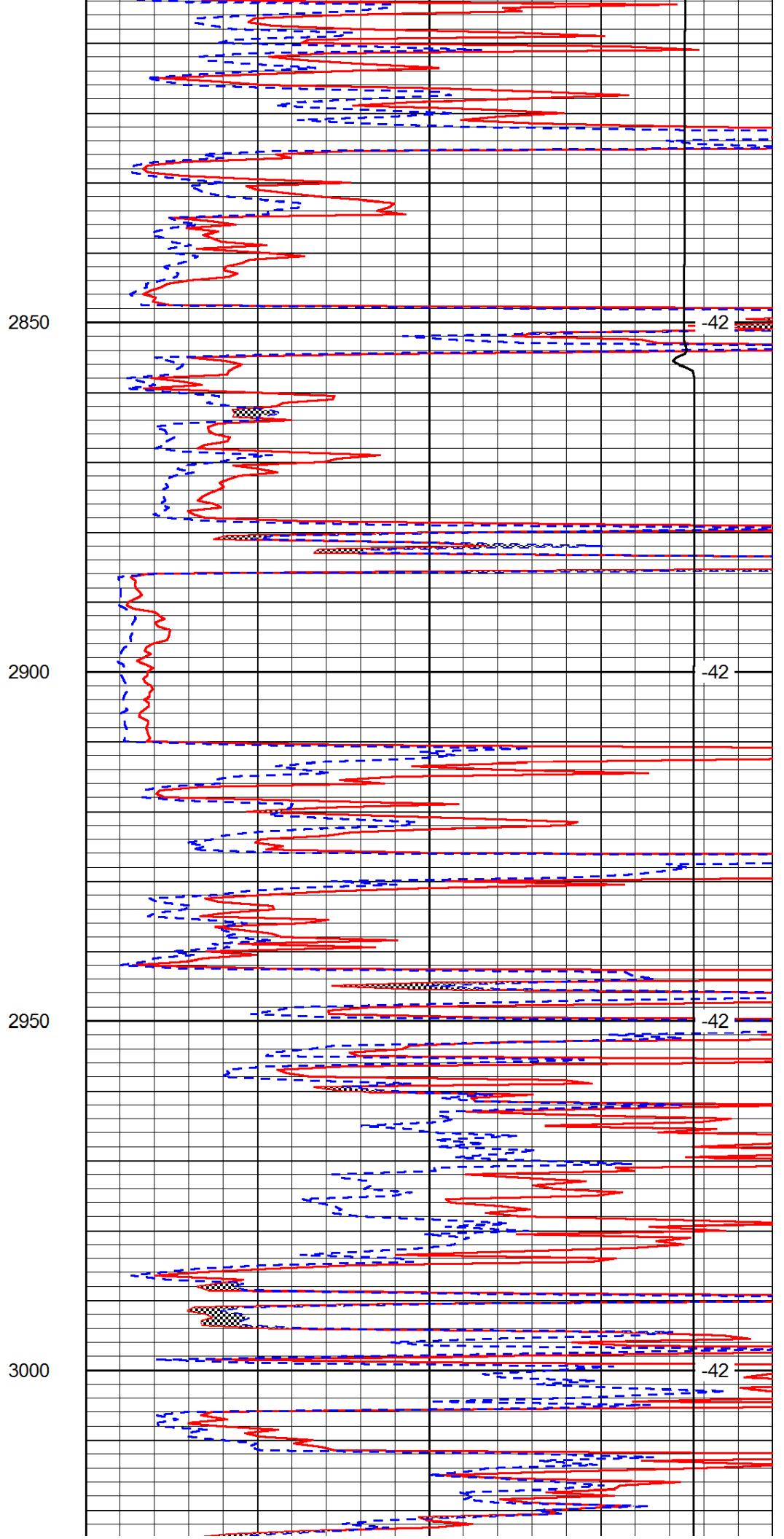
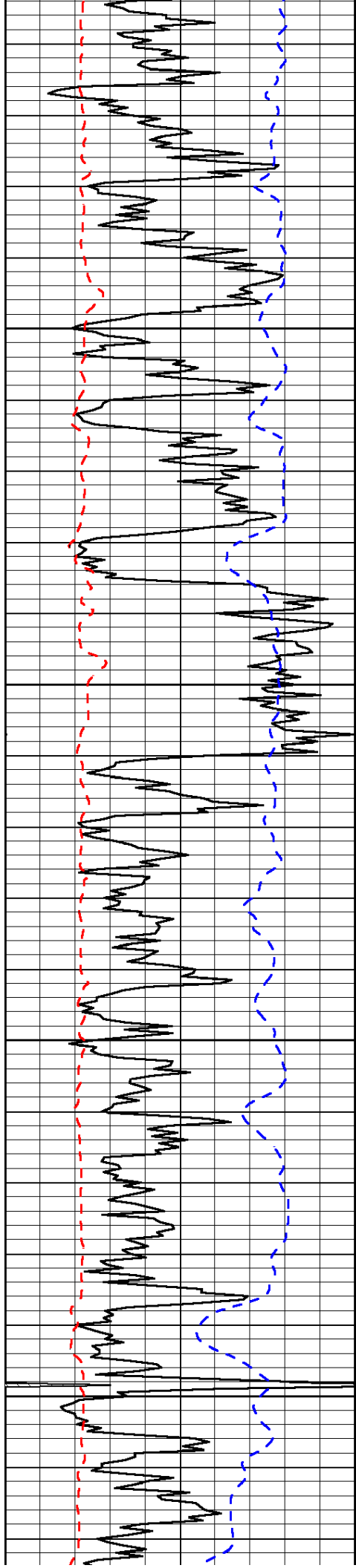
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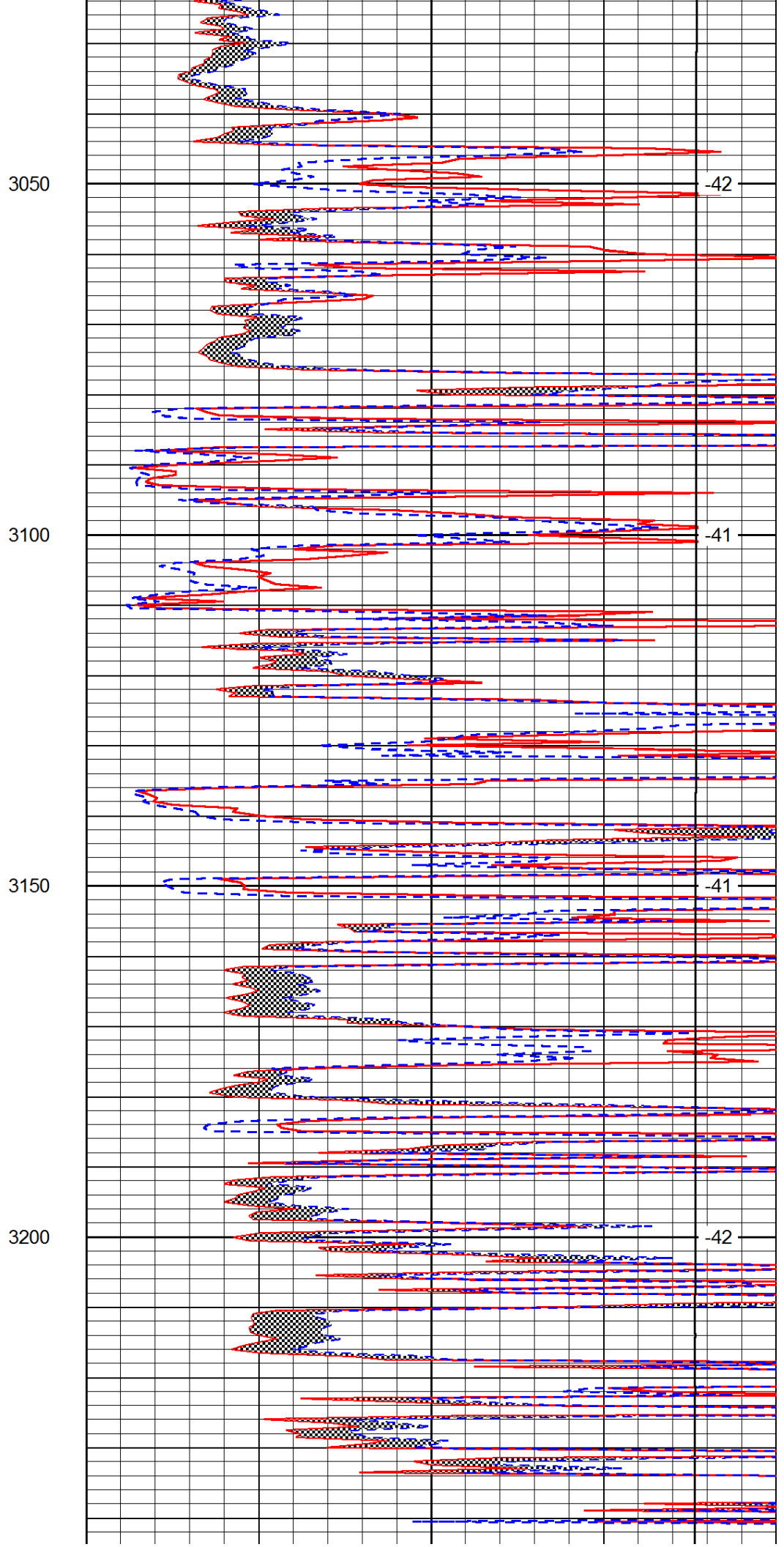
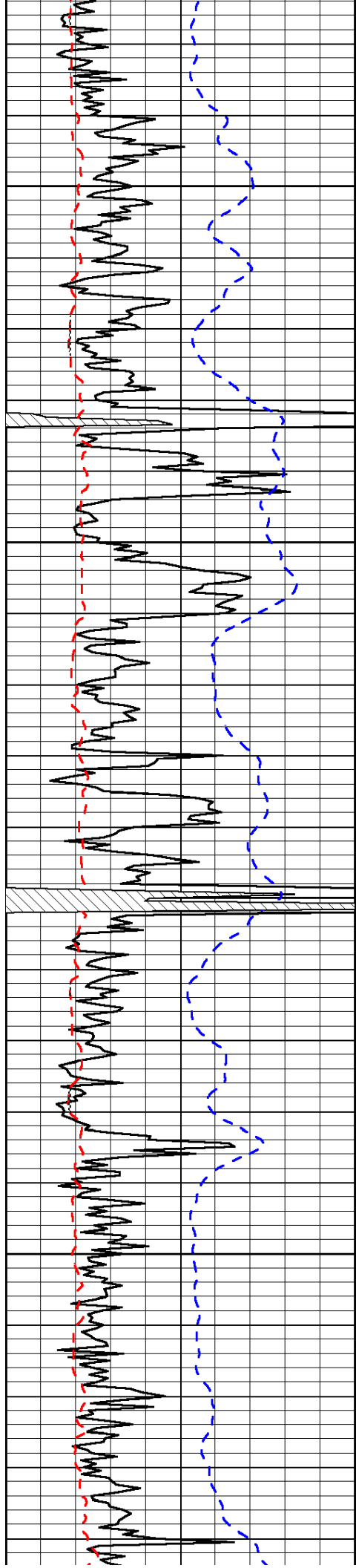
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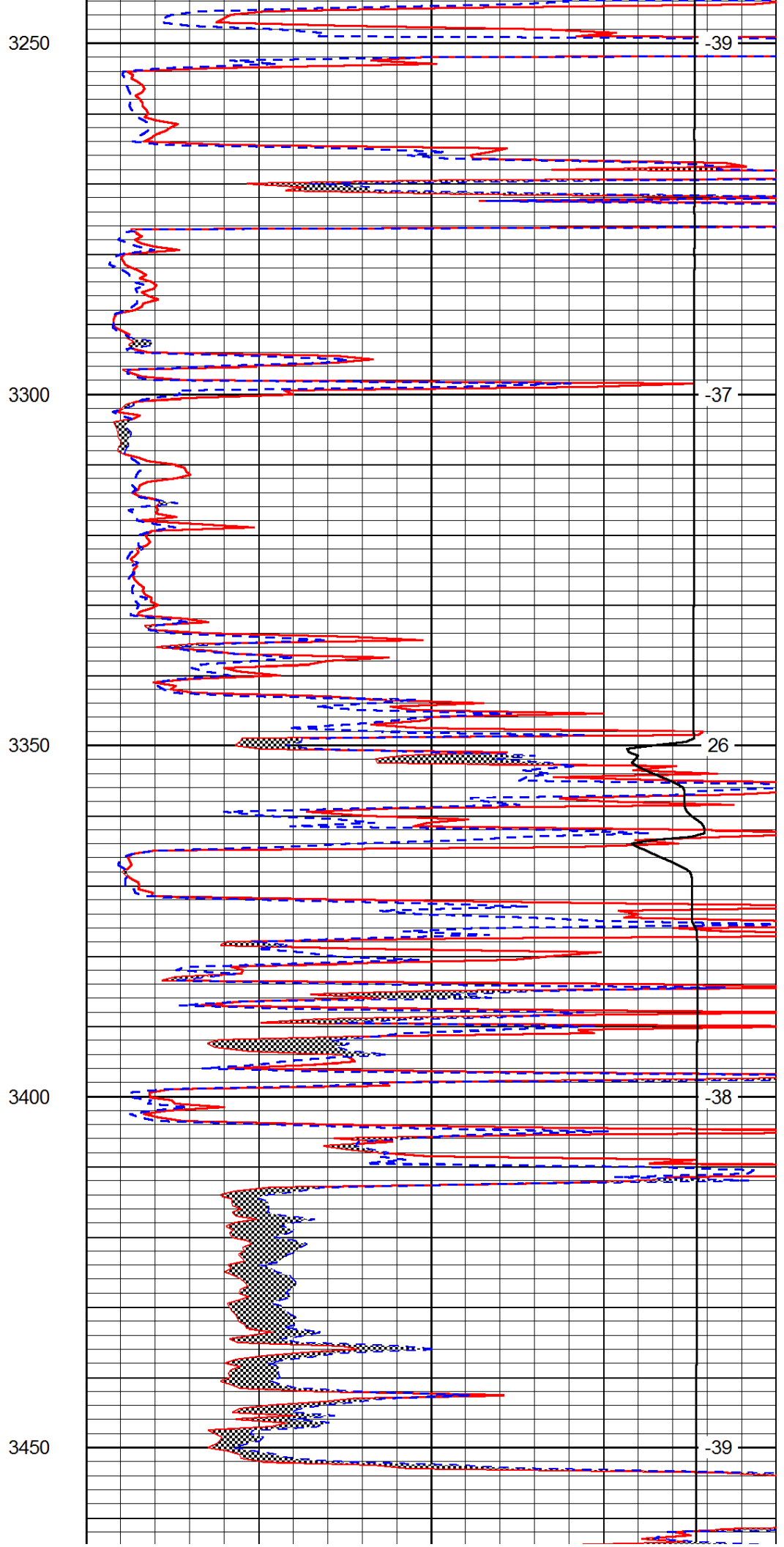
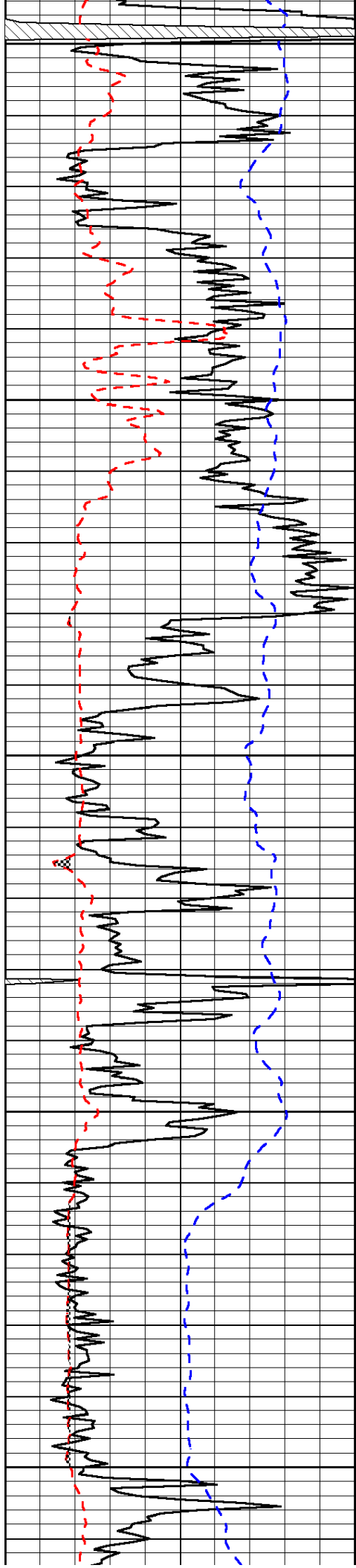
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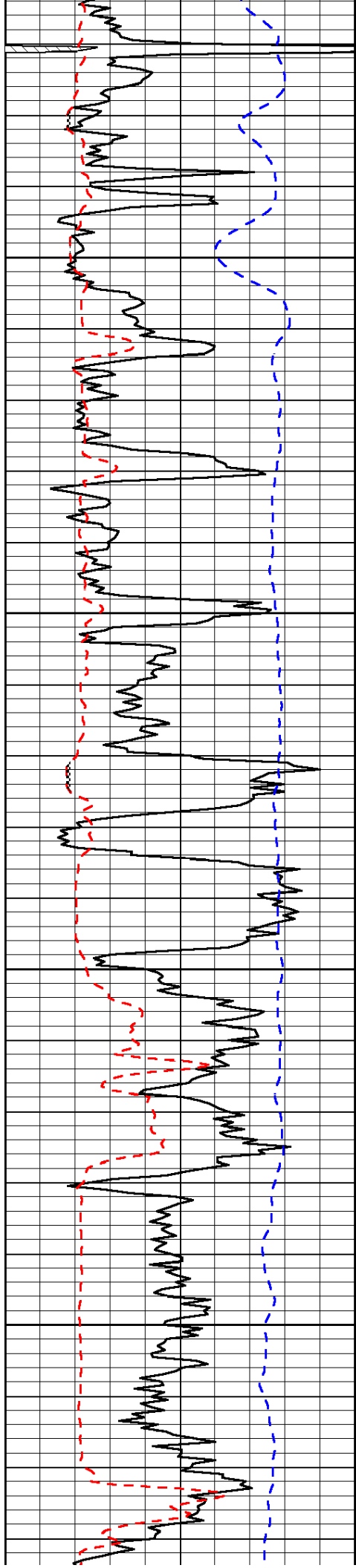
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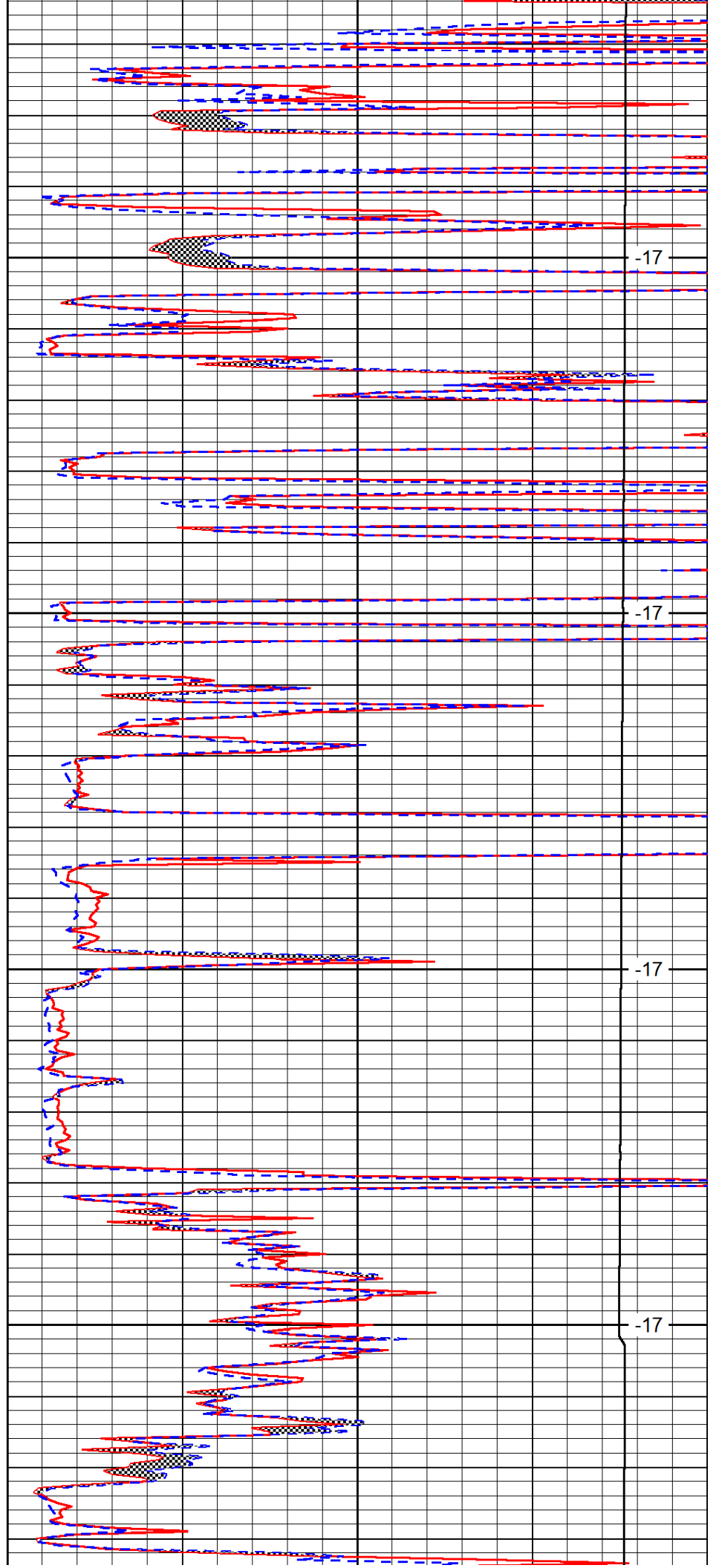


3500

3550

3600

3650

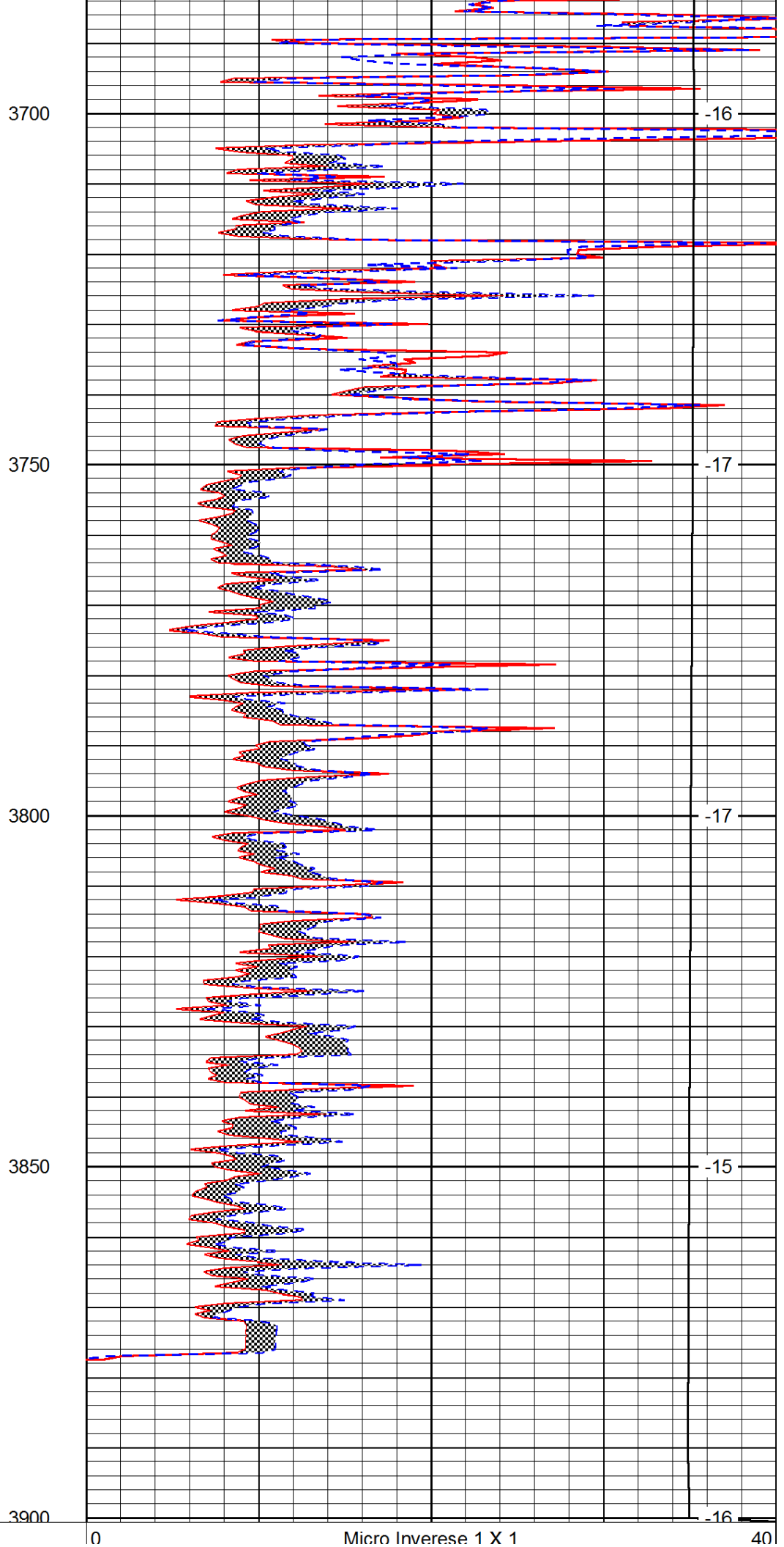
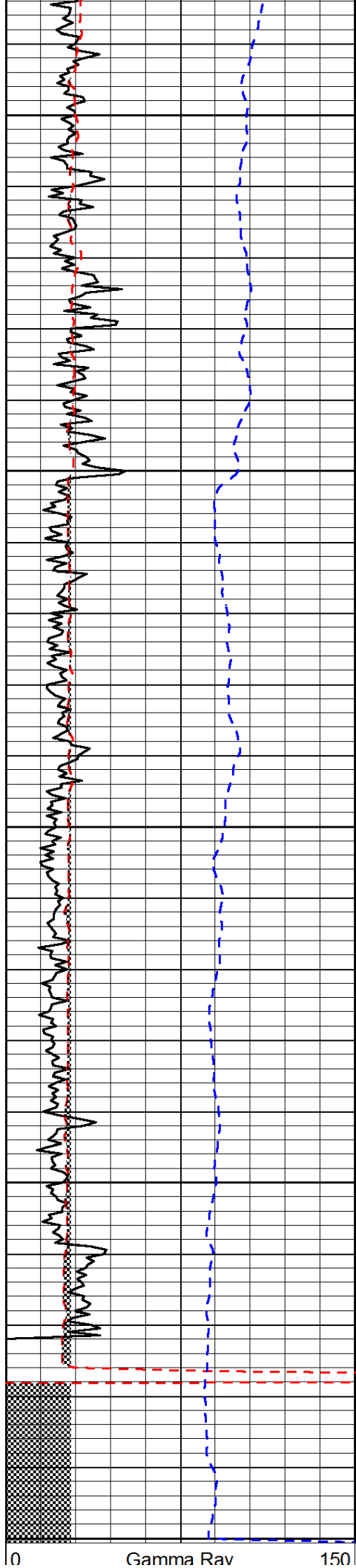


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