



Microresistivity Log

Pioneer Energy Services

API No.

15-007-22,254-00-01

Company Chieftain Oil Company, Inc.

Well Chieftain No.3

Field

County Barber State Kansas

Location

SW SW NE
2970' FSL & 2310' FEL

Sec: 35 Twp: 31 S Rge: 12 W

Permanent Datum Ground Level Elevation 1615
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 1623
D.F. 1615
G.L. 1615

Date 10/16/2012

Run Number Two

Depth Driller 4790

Depth Logger 4788

Bottom Logged Interval 4787

Top Log Interval 3400

Casing Driller 8.625 @ 258

Casing Logger 252

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5100

Density / Viscosity 8.9 64

pH / Fluid Loss 10.0 7.5

Source of Sample Flowline

Rm @ Meas. Temp .40 @ 76

Rmf @ Meas. Temp .30 @ 76

Rmc @ Meas. Temp .54 @ 76

Source of Rmf / Rmc Charts

Rm @ BHT .25 @ 124

Operating Rig Time 4 Hours

Max Rec. Temp. F 124

Equipment Number 15

Location Hays

Recorded By D. Kerr

Witnessed By Arden Ratzlaff

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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.

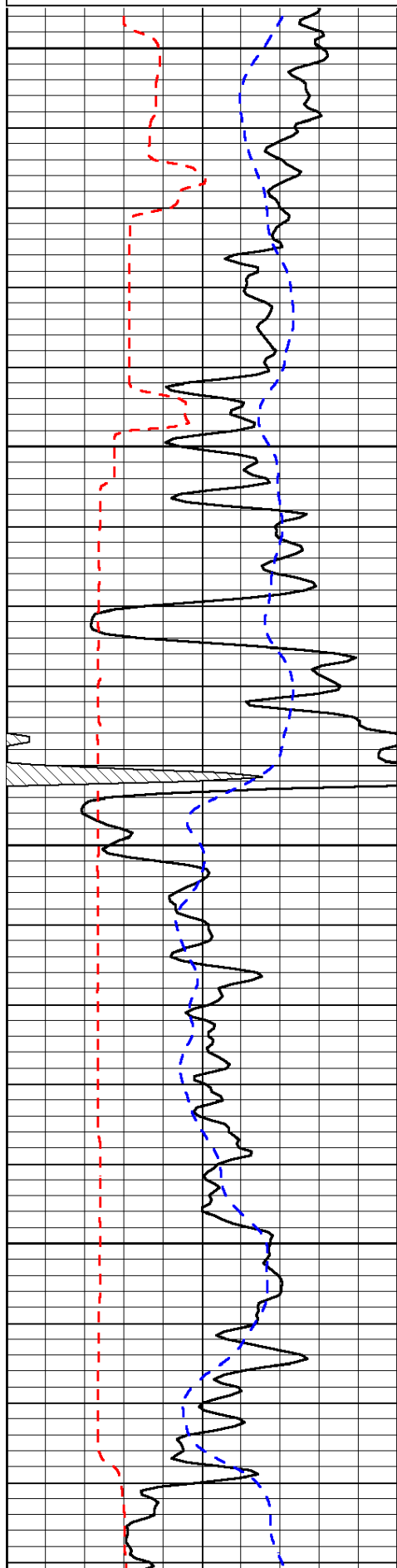
Comments

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

Medicine Lodge KS, 1/2 North to Blue Gates,
West Into, Keep Right at Y

Database File: c:\warrior\data\chieftain_chieftain #3\chieftain_chieftain_3hd.db
Dataset Pathname: DIL/chfstk
Presentation Format: micro
Dataset Creation: Tue Oct 16 07:54:41 2012
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

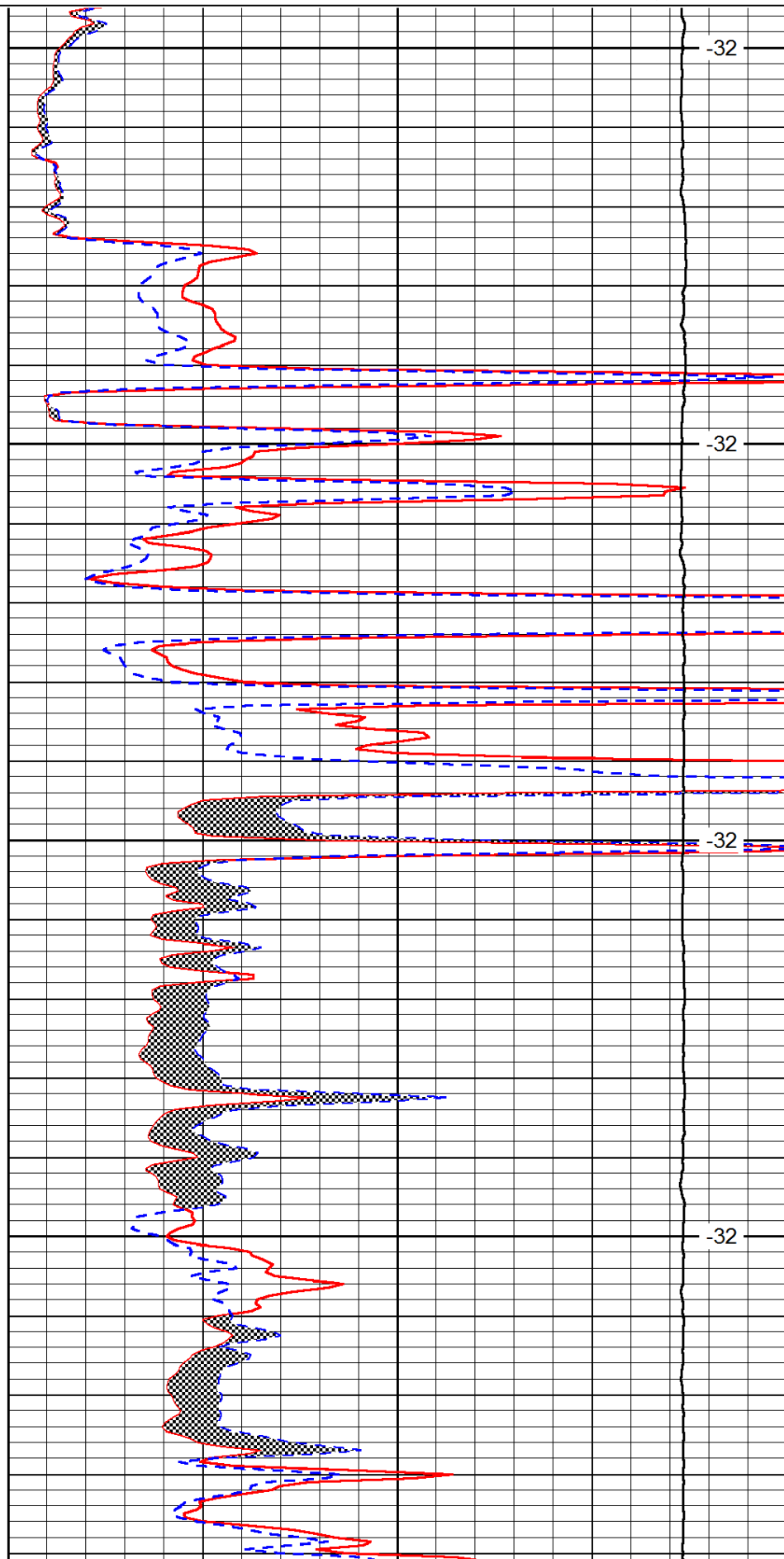


3400

3450

3500

3550



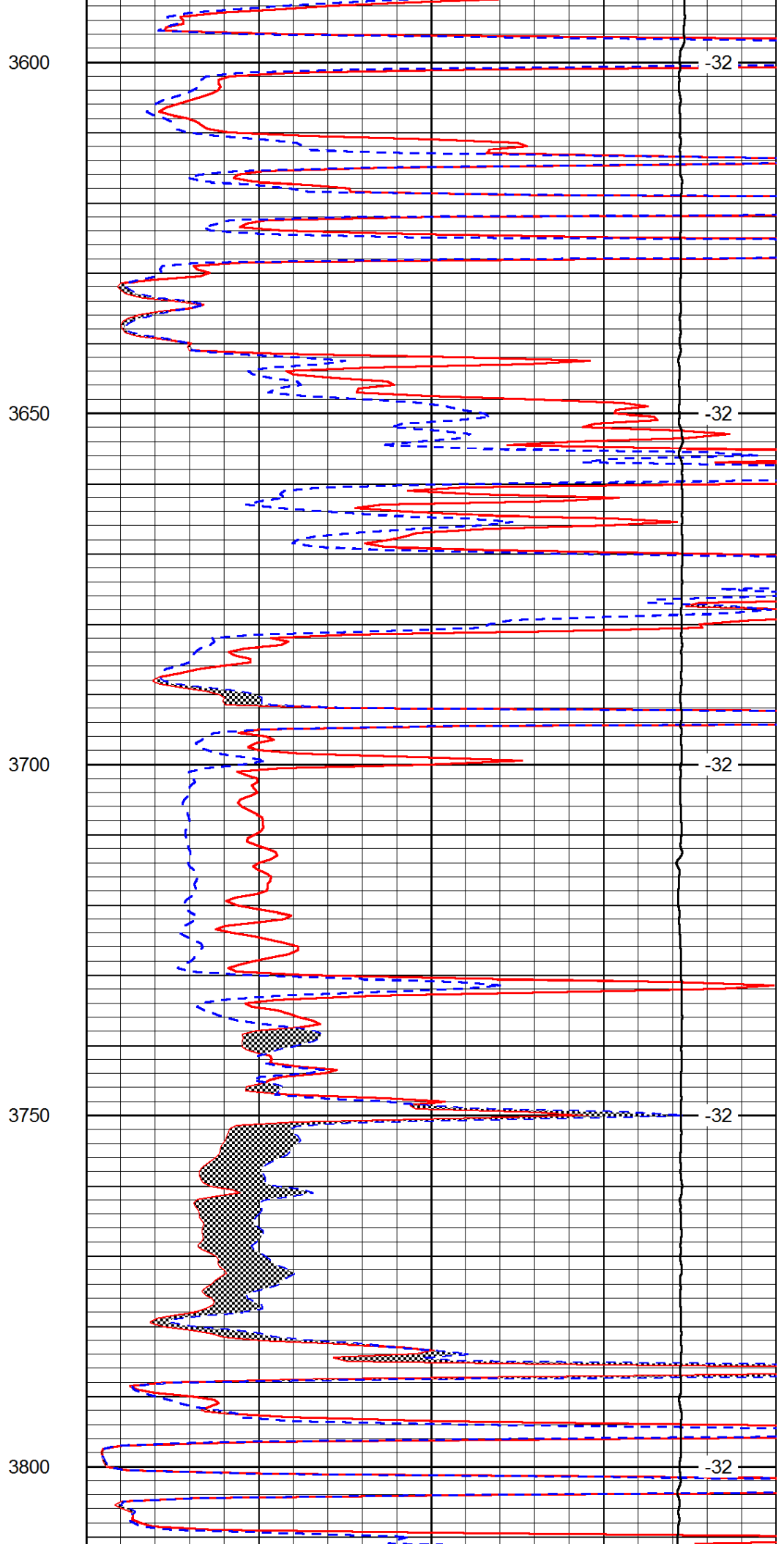
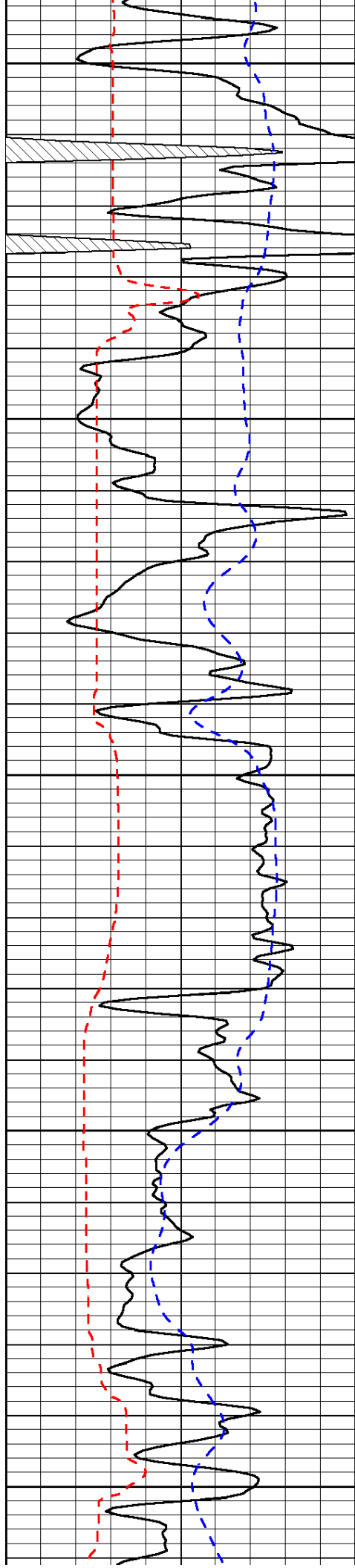
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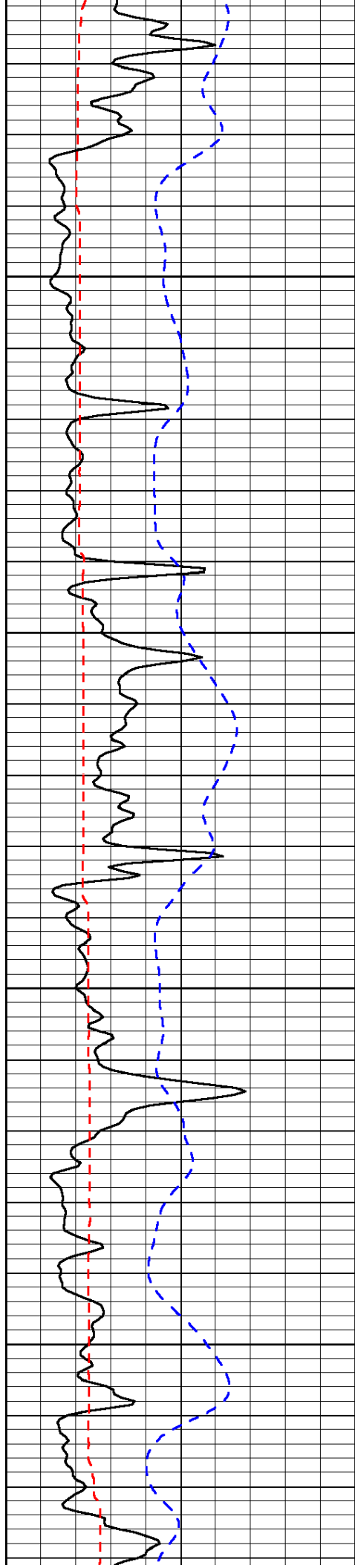
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LSPD



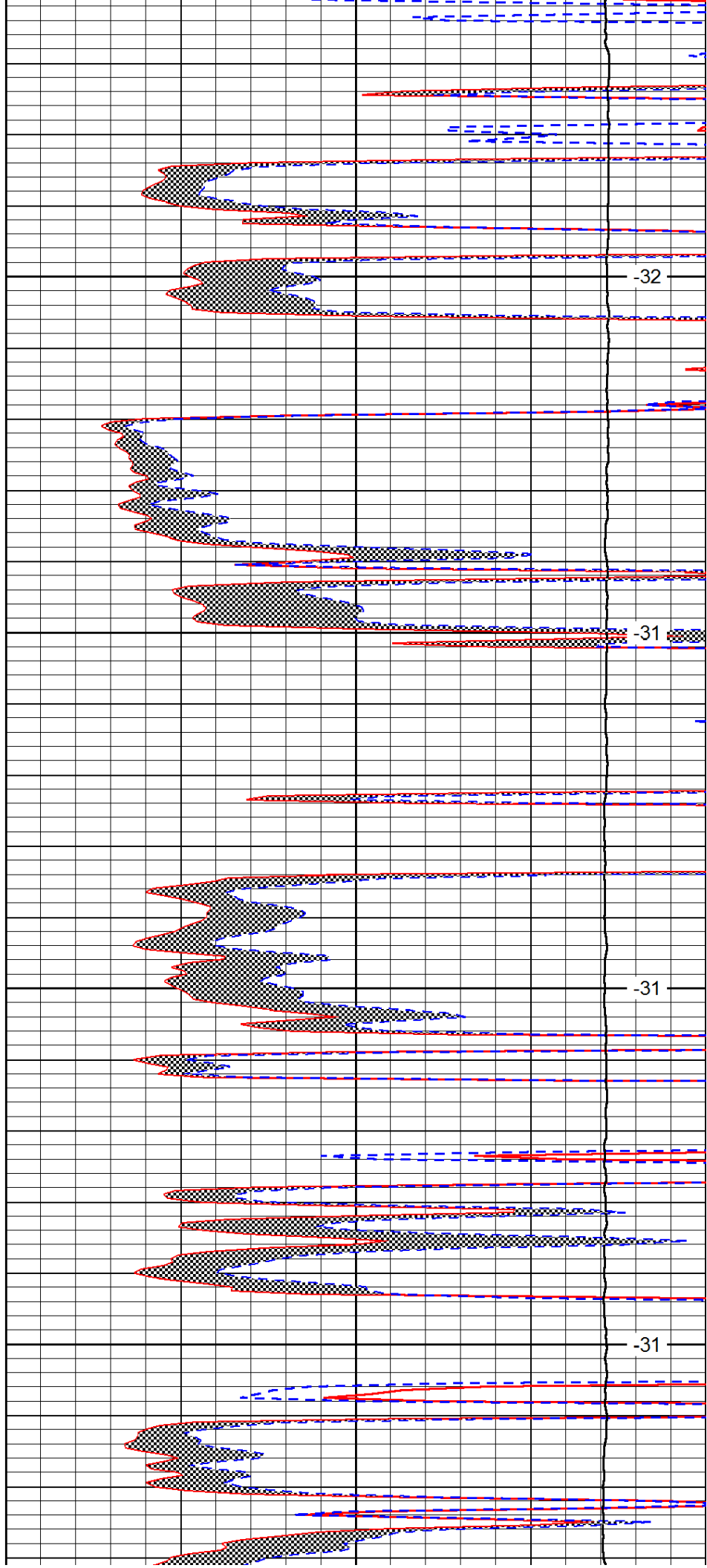


3850

3900

3950

4000

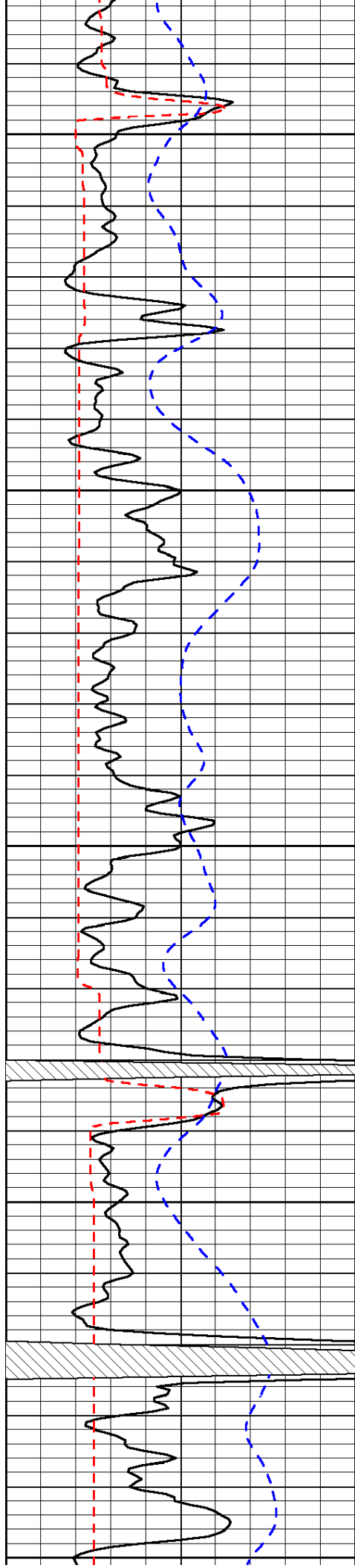


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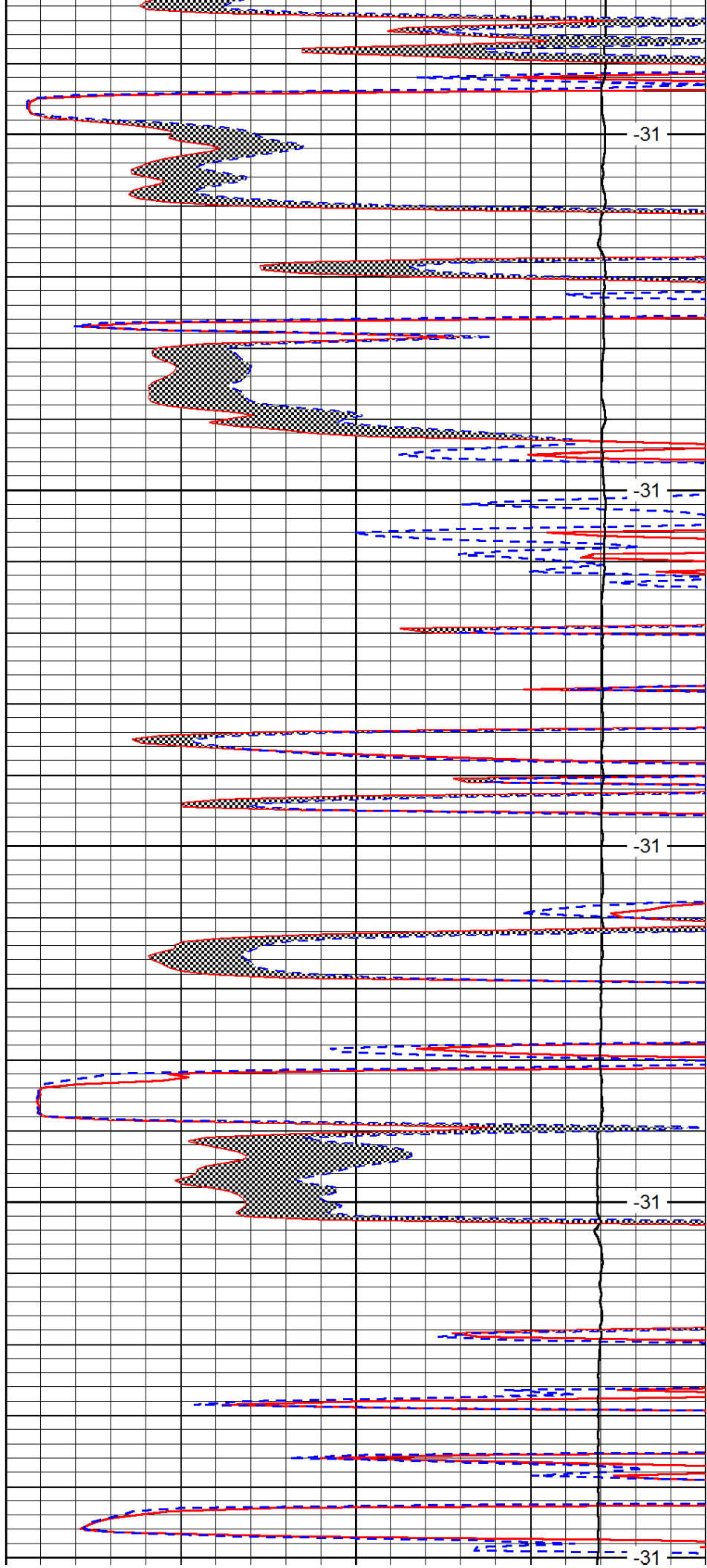
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4100

4150

4200

4250



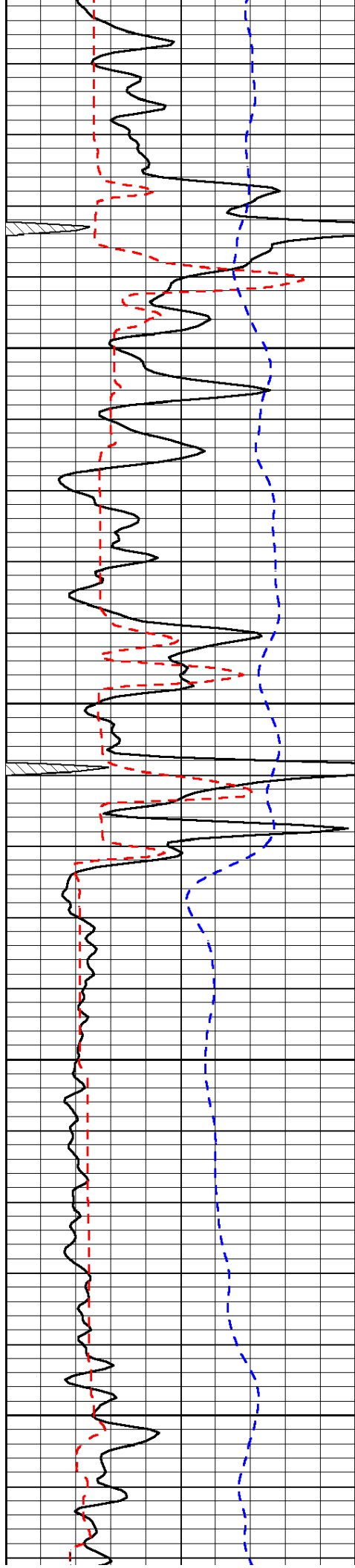
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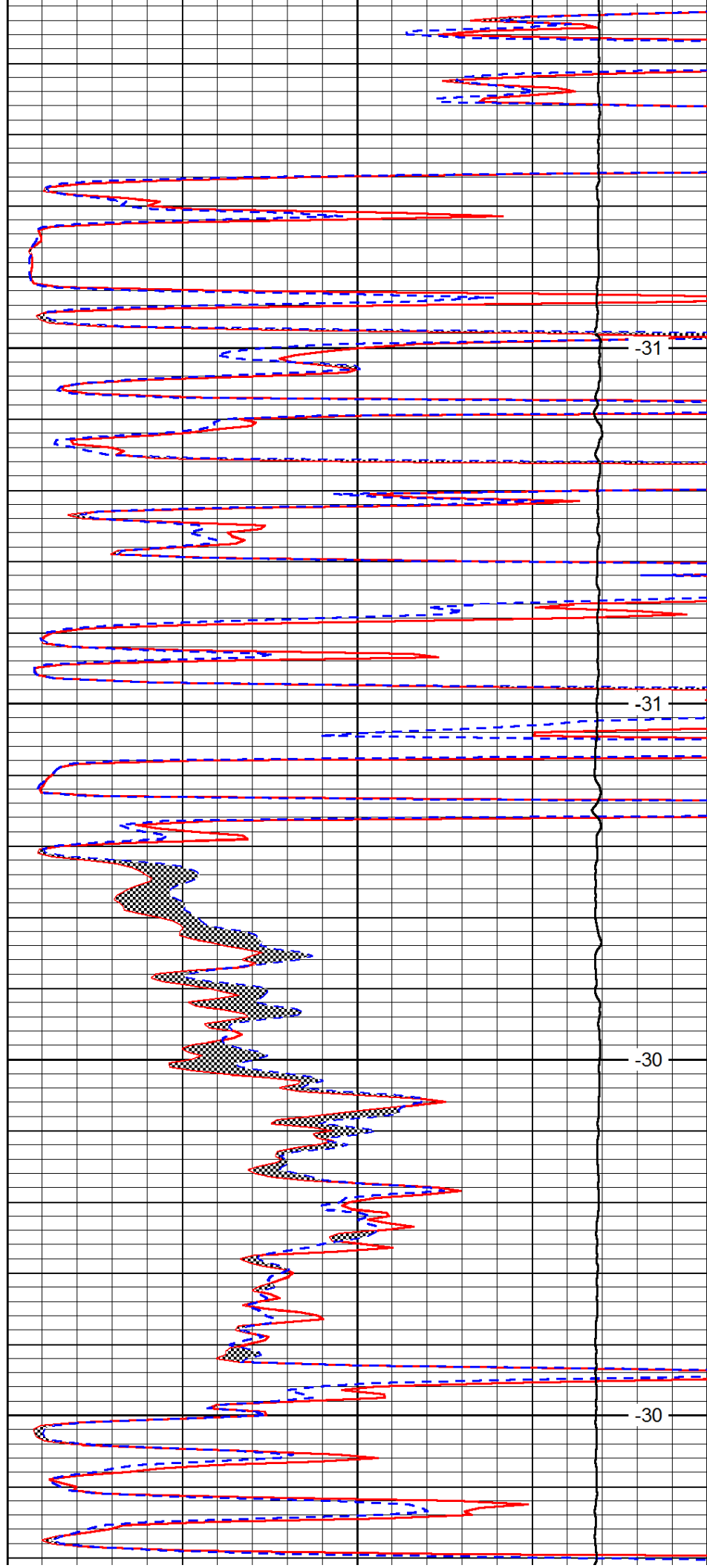


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4400

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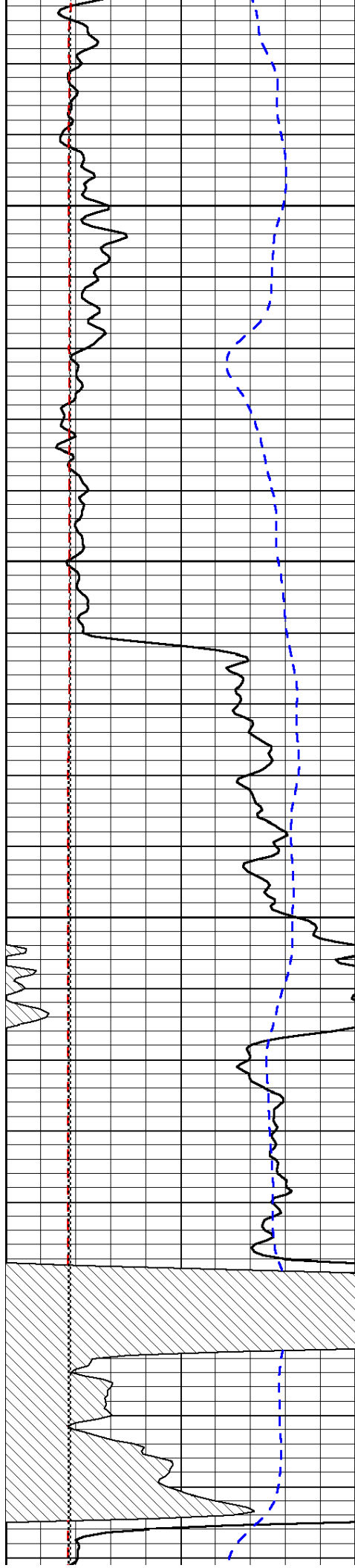


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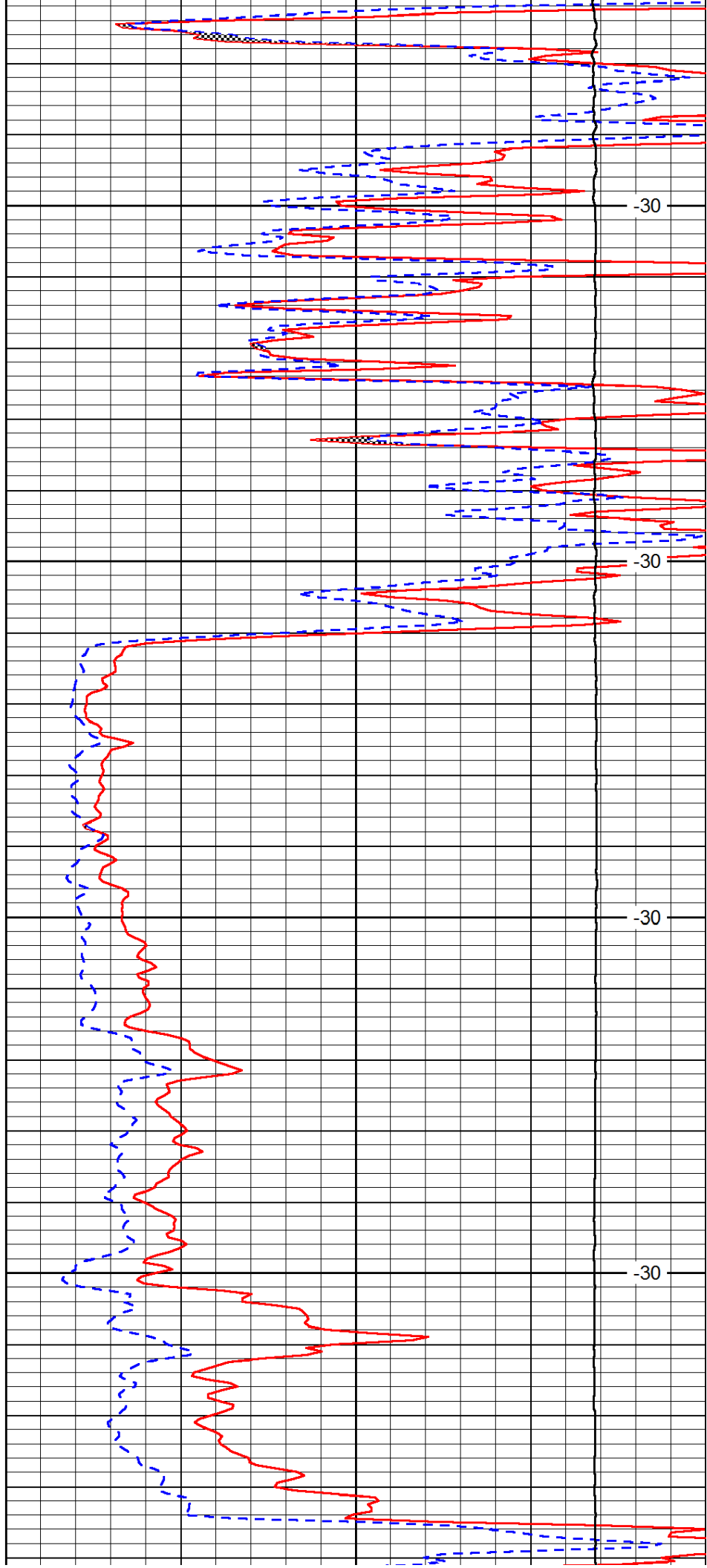


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4550

4600

4650

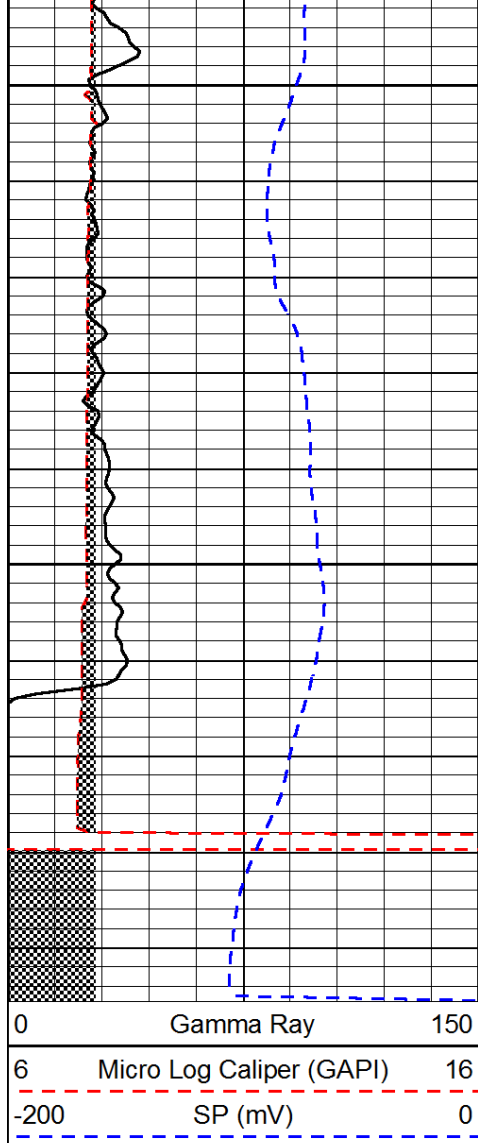


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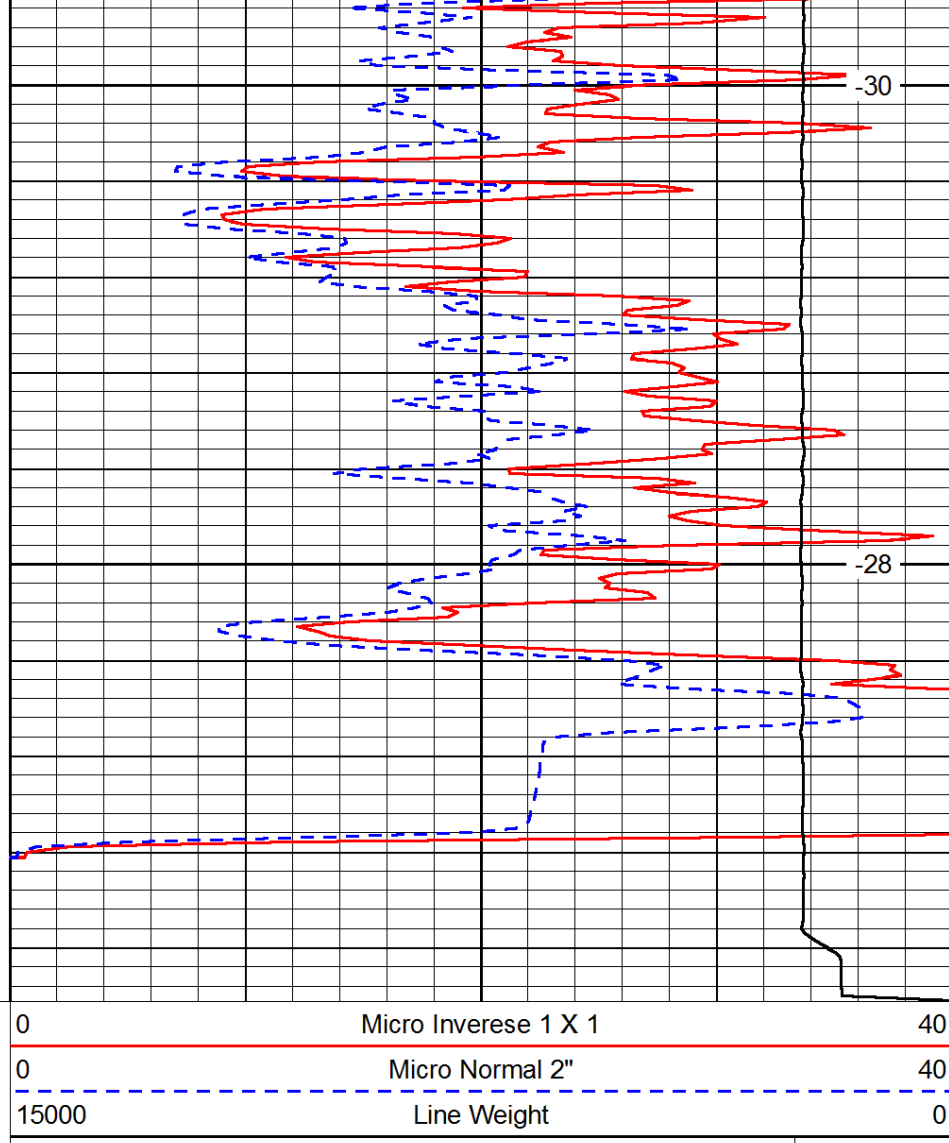
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4700

4750



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LSPD