



Microresistivity Log

Pioneer Energy Services

API No.

15-063-22, 151-00-00

Company H&C Oil Operating, Inc.

Well Seymour #25-1

Field Wildcat

County Gove State Kansas

Location 330' FSL & 1850' FEL

Sec: 25 Twp: 15S Rge: 28W

Permanent Datum Ground Level Elevation 2463
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 2474
D.F. 2463
G.L. 2463

Date 12/2/2013

Run Number Two

Depth Driller 4372

Depth Logger 4372

Bottom Logged Interval 4371

Top Log Interval 3350

Casing Driller 8.625 @ 263

Casing Logger 262

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3000

Density / Viscosity 9.4 59

pH / Fluid Loss 9.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp 0.52 @ 68

Rmf @ Meas. Temp 0.39 @ 68

Rmc @ Meas. Temp 0.70 @ 68

Source of Rmf / Rmc Charts

Rm @ BHT 0.30 @ 120

Operating Rig Time 4 Hours

Max Rec. Temp. F 120

Equipment Number 15

Location Hays

Recorded By D. Kerr

Witnessed By Marc Downing

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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.

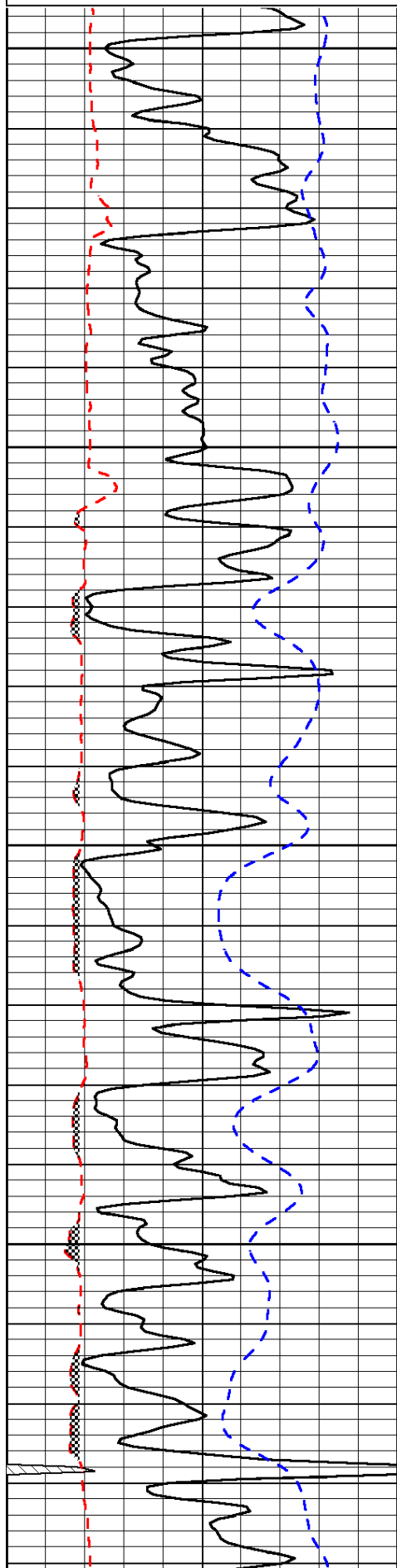
Comments

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

Penn Dennis KS, 2 West, 4 1/2 North,
3/4 West, North Into(Keep Right At Tanks)

Database File: c:\warrior\data\h&c_seymour #25-1\h&c_seymour_25_1hd.db
Dataset Pathname: DIL\hcsk
Presentation Format: micro
Dataset Creation: Mon Dec 02 06:44:24 2013
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

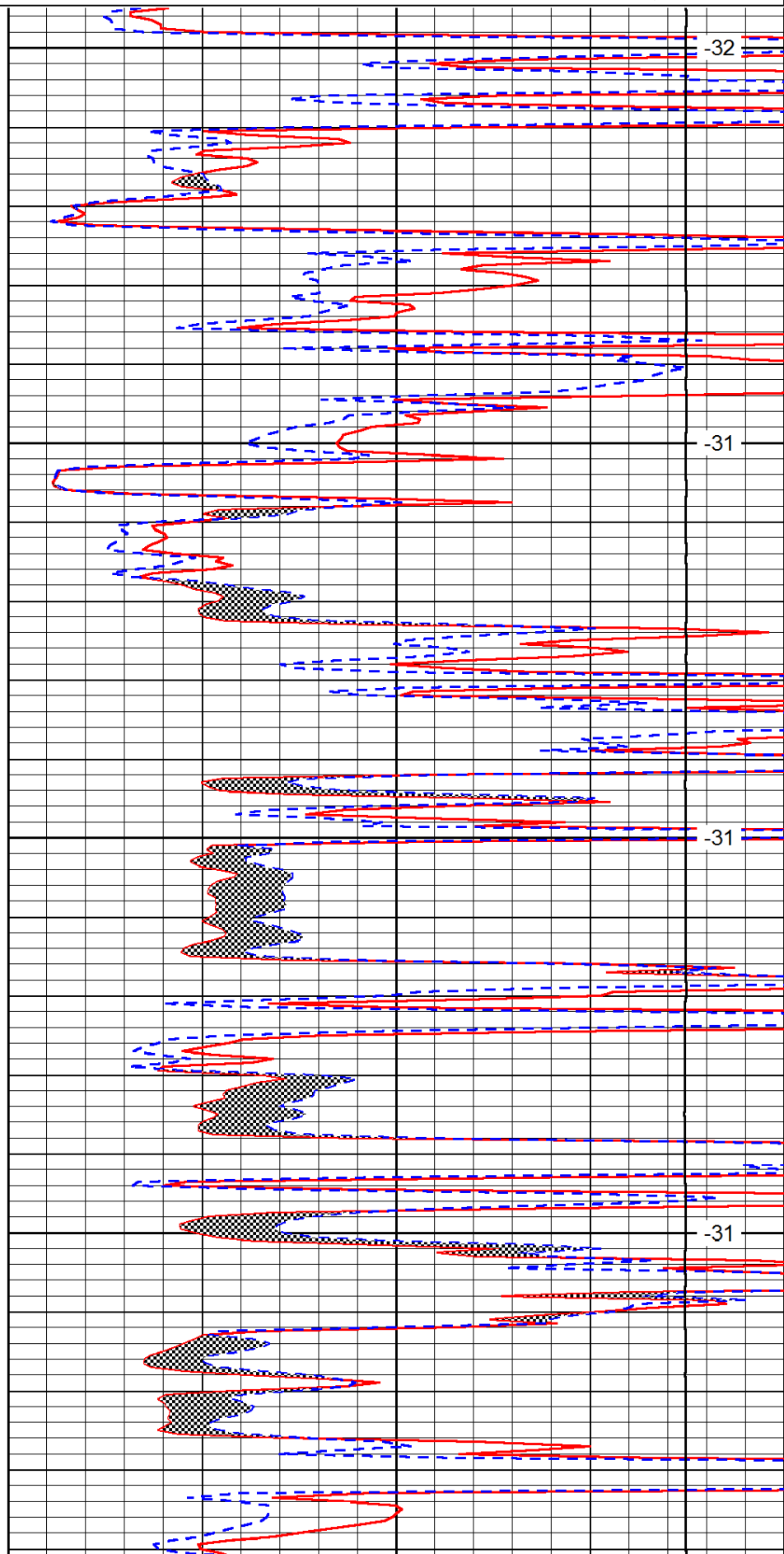


3350

3400

3450

3500

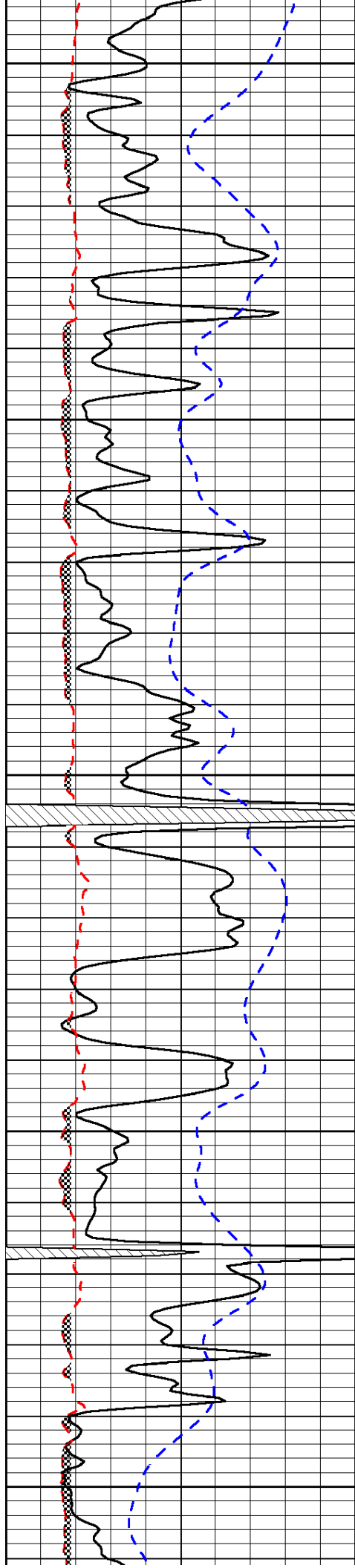


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-31

-31

-31



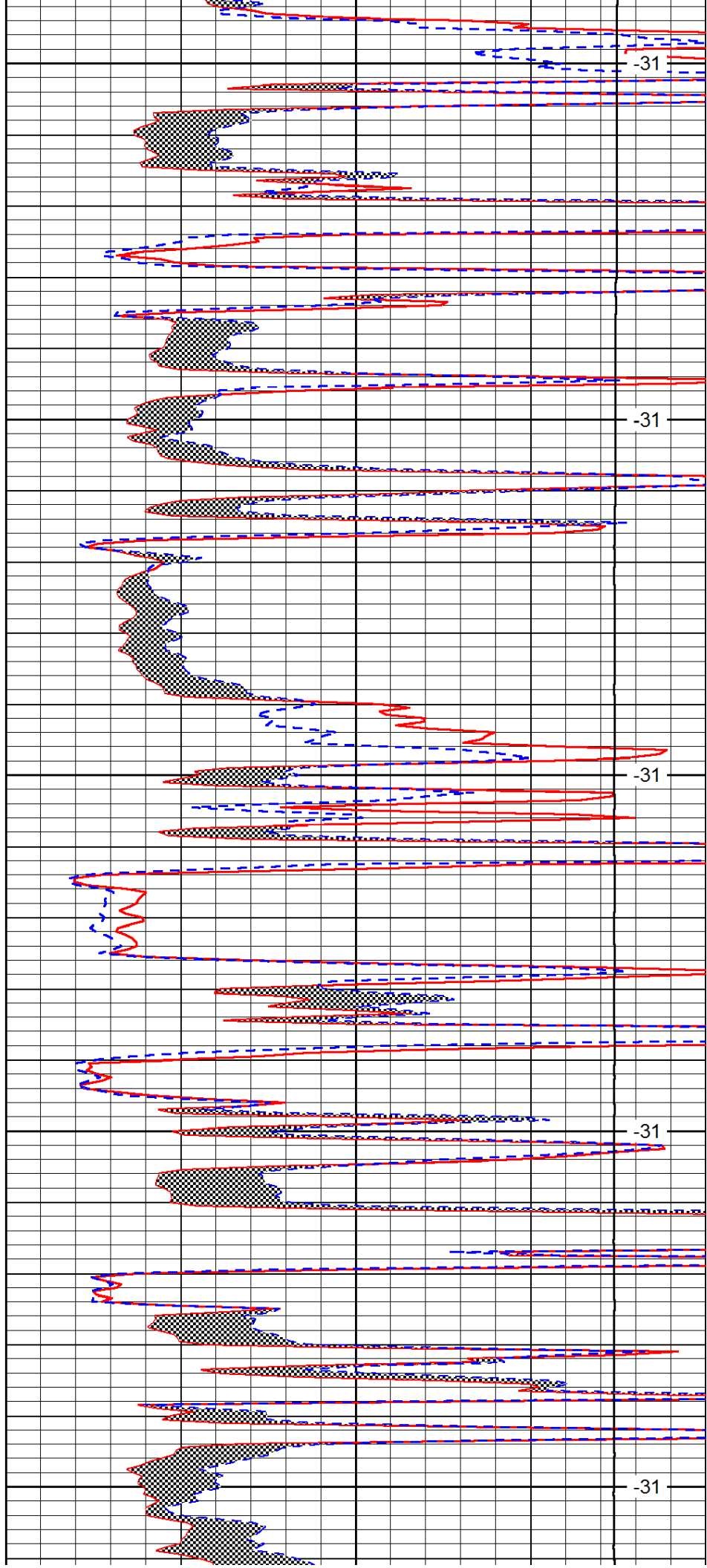
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3600

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3700

3750



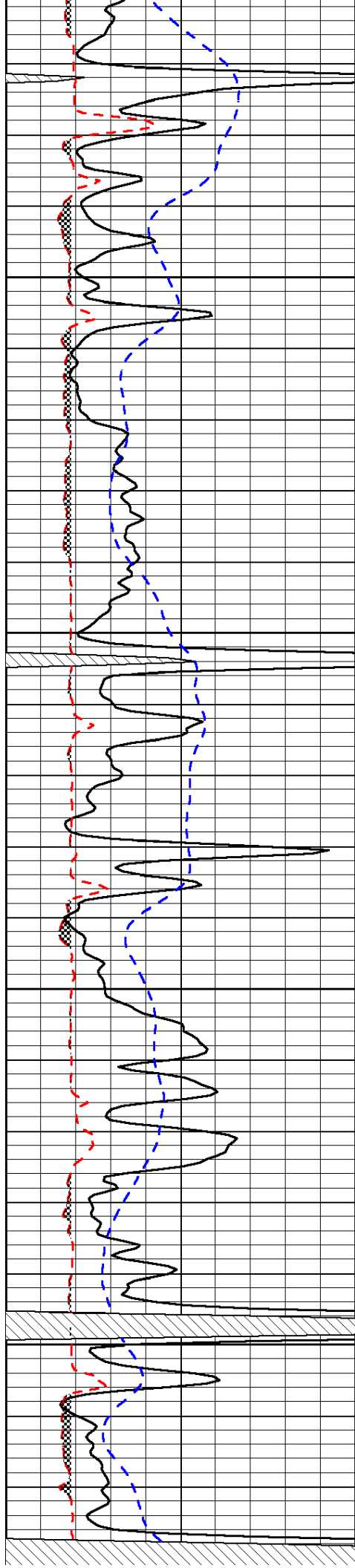
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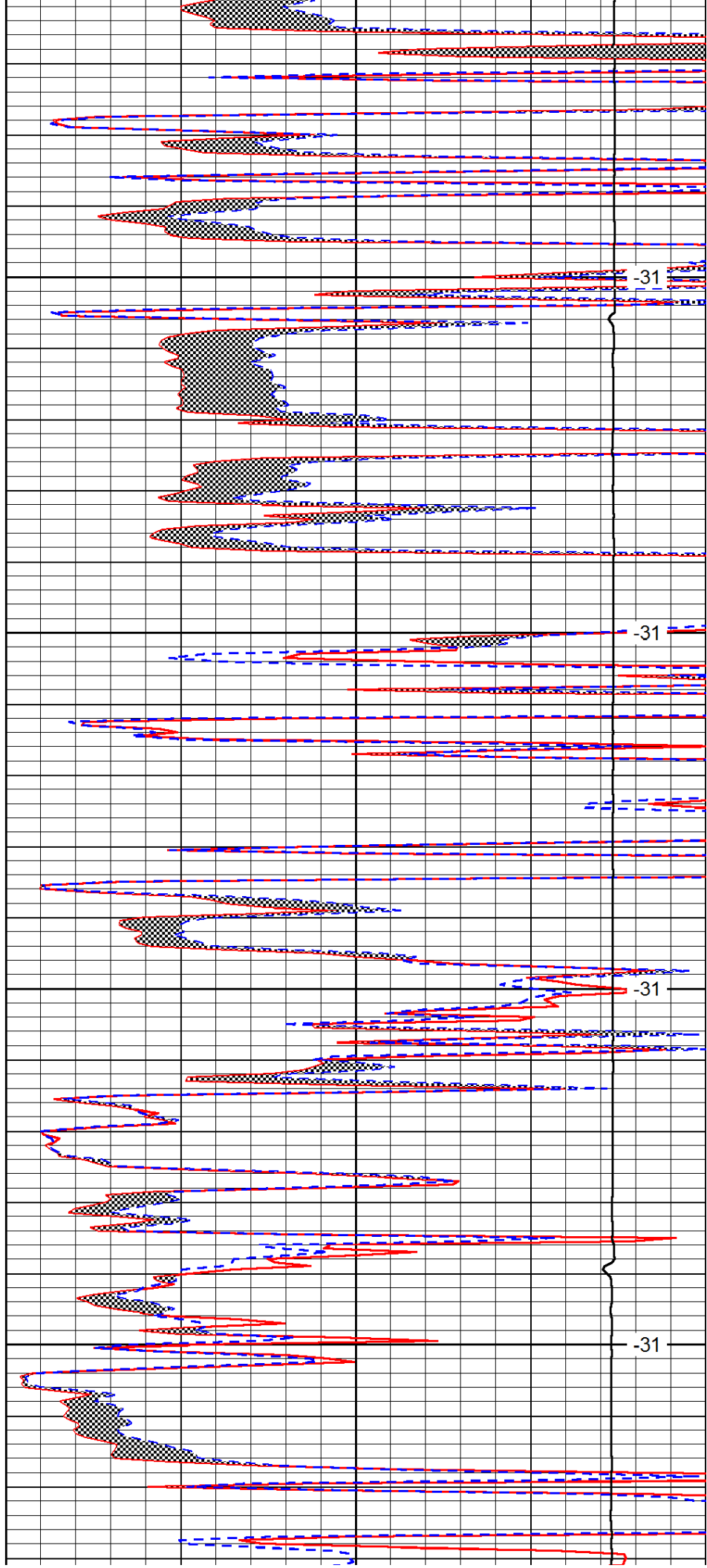


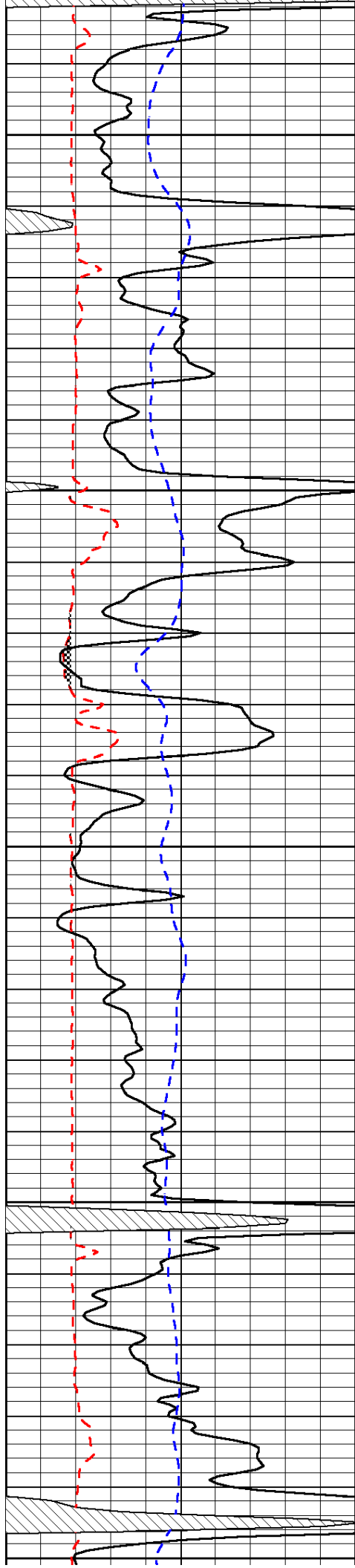
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3900

3950





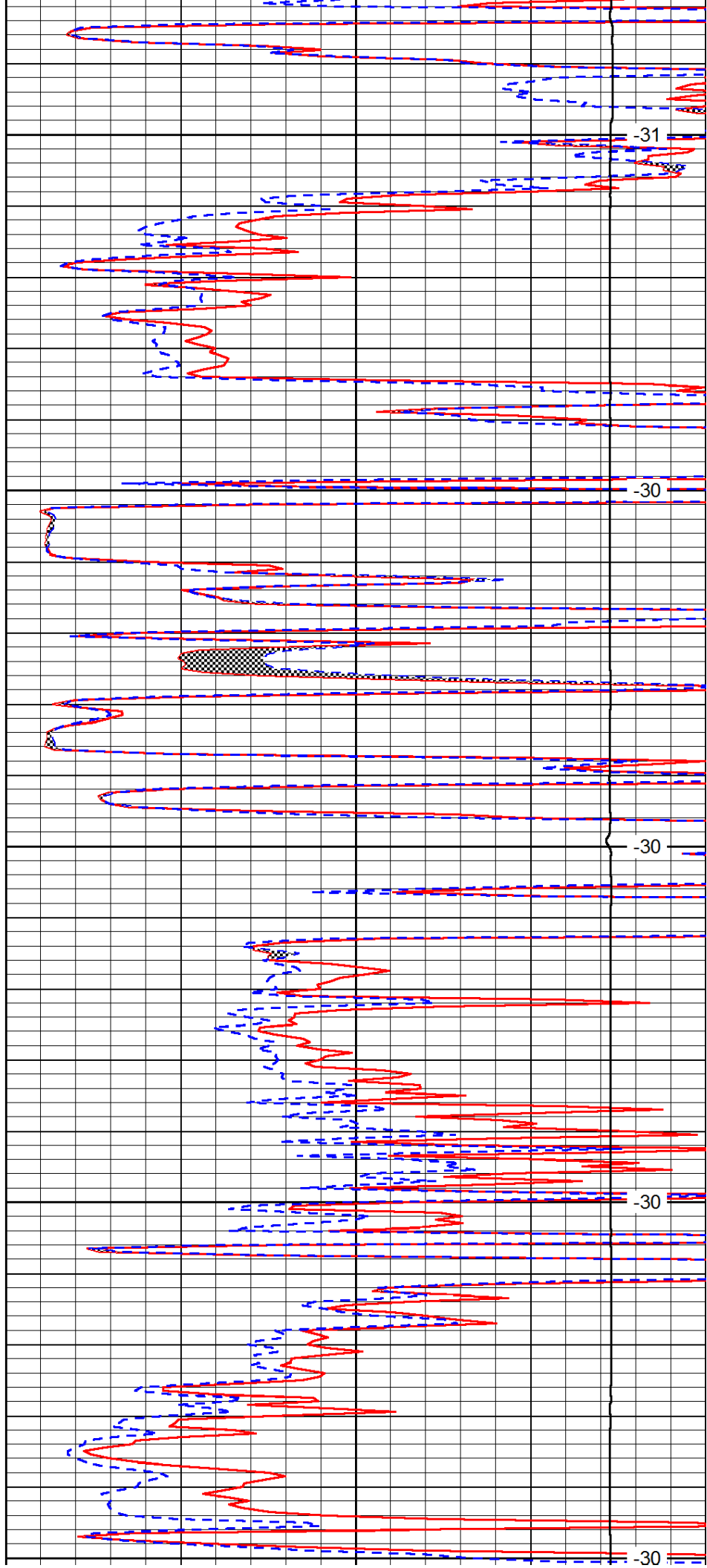
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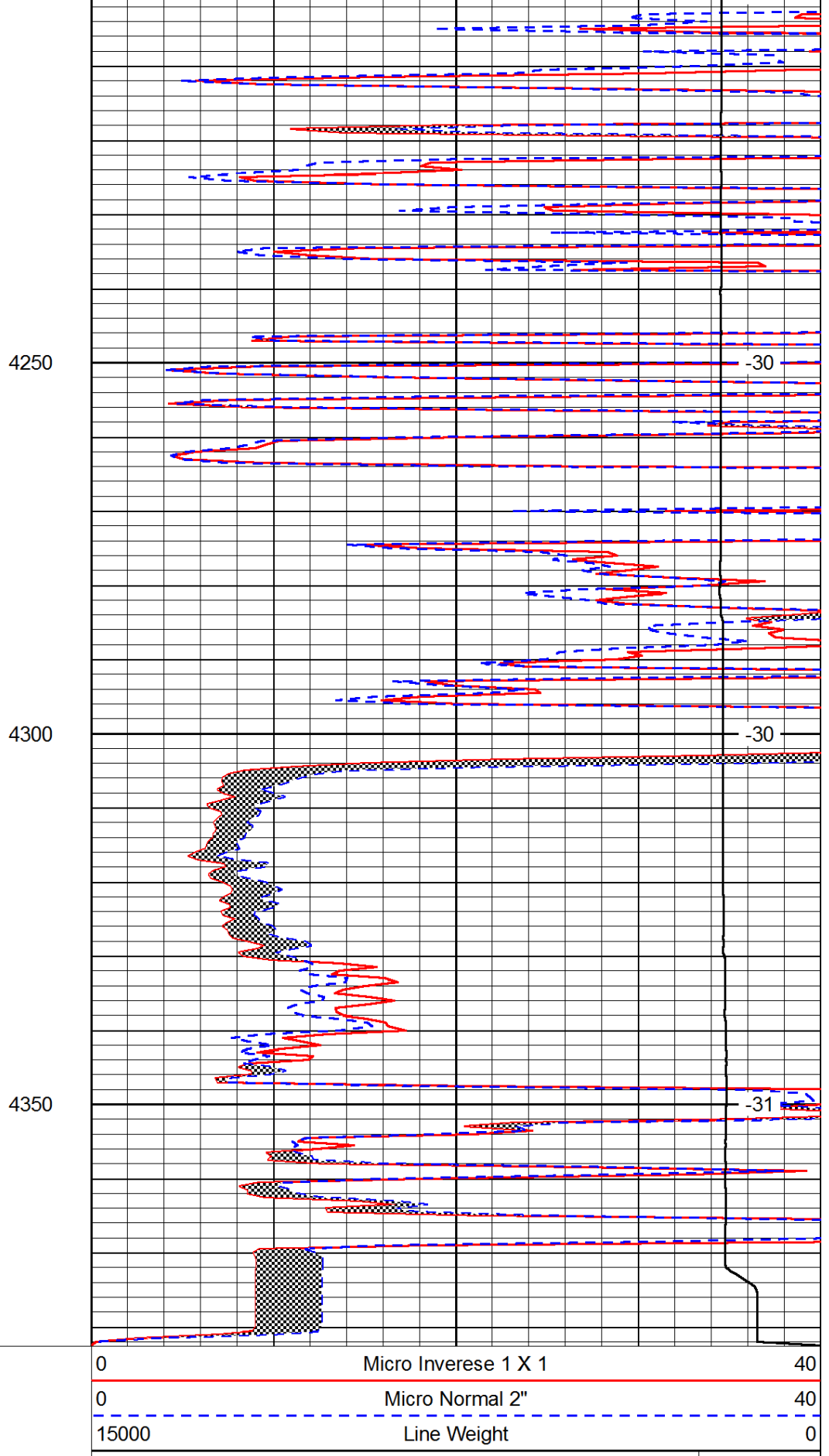
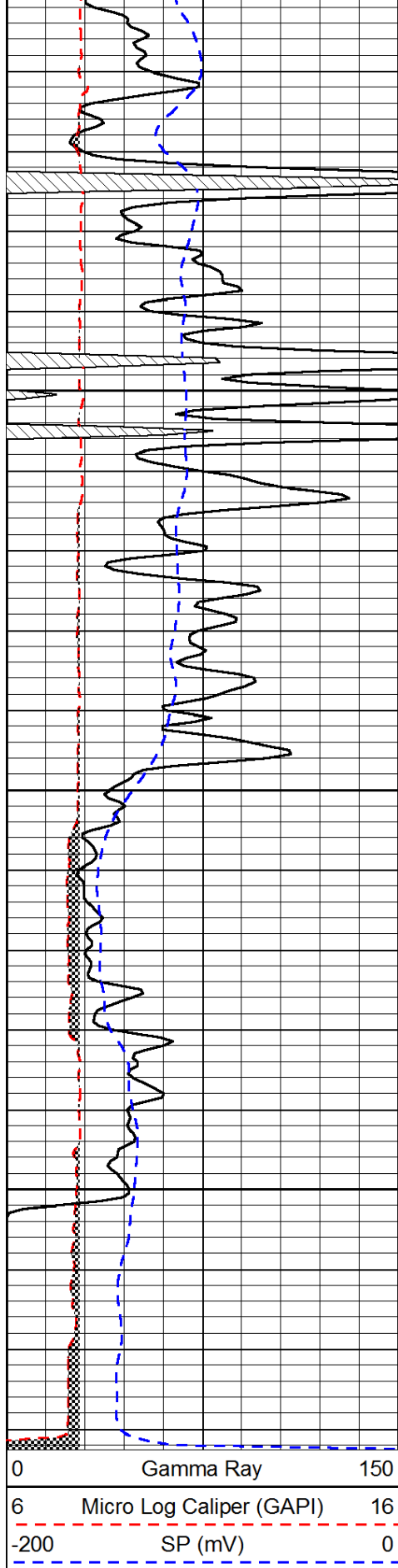
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4100

4150

4200





LSPD