



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-109-20,965-00-00

Company Murfin Drilling Co., Inc.

Well Kuhlman "D" No. 1-35

Field

County Logan

State

Kansas

Location

SW NE NE NW
335' FNL & 2,200' FWL

Other Services
CNL/CDL
DIL/BHCS

Sec: 35

Twp: 12 S

Rge: 32 W

Elevation

Permanent Datum Ground Level Elevation 2985
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2990
D.F. 2985
G.L. 2985

Date

12/21/2010

Run Number

Two

Depth Driller

4700

Depth Logger

4704

Bottom Logged Interval

4703

Top Log Interval

3650

Casing Driller

8.625 @ 221

Casing Logger

220

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3100

Density / Viscosity

9.2 49

pH / Fluid Loss

10.5 7.2

Source of Sample

Flowline

Rm @ Meas. Temp

1.4 @ 57

Rmf @ Meas. Temp

1.05 @ 57

Rmc @ Meas. Temp

1.89 @ 57

Source of Rmf / Rmc

Charts

Rm @ BHT

.65 @ 123

Operating Rig Time

5 Hours

Max Rec. Temp. F

123

Equipment Number

10

Location

Hays

Recorded By

J Schuler

Witnessed By

Jeff Christian

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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 Log-Tech, Inc.
(785) 625-3858

Oakley, South 10 to Topeka Road, 1/2 East, South Into

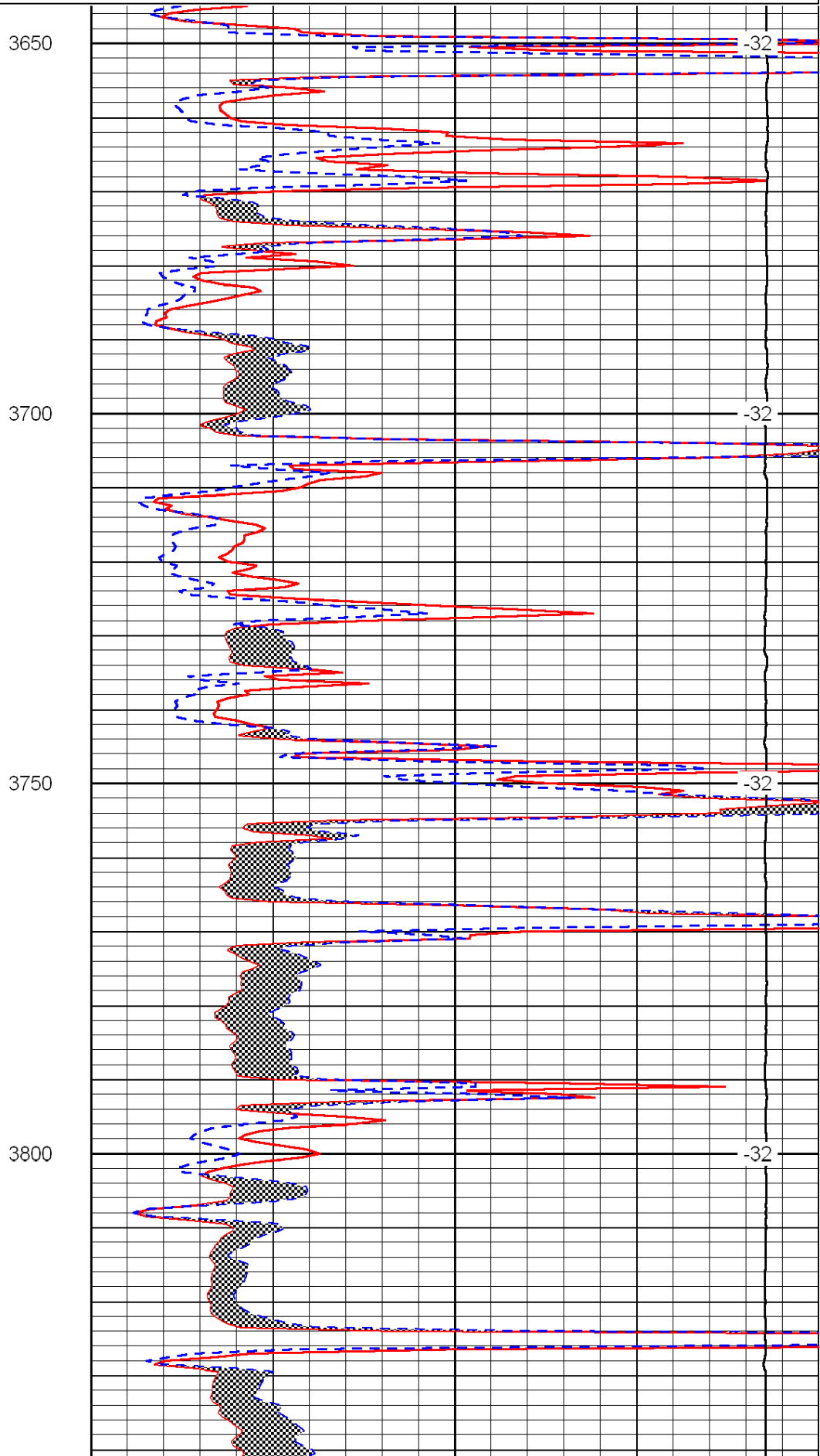
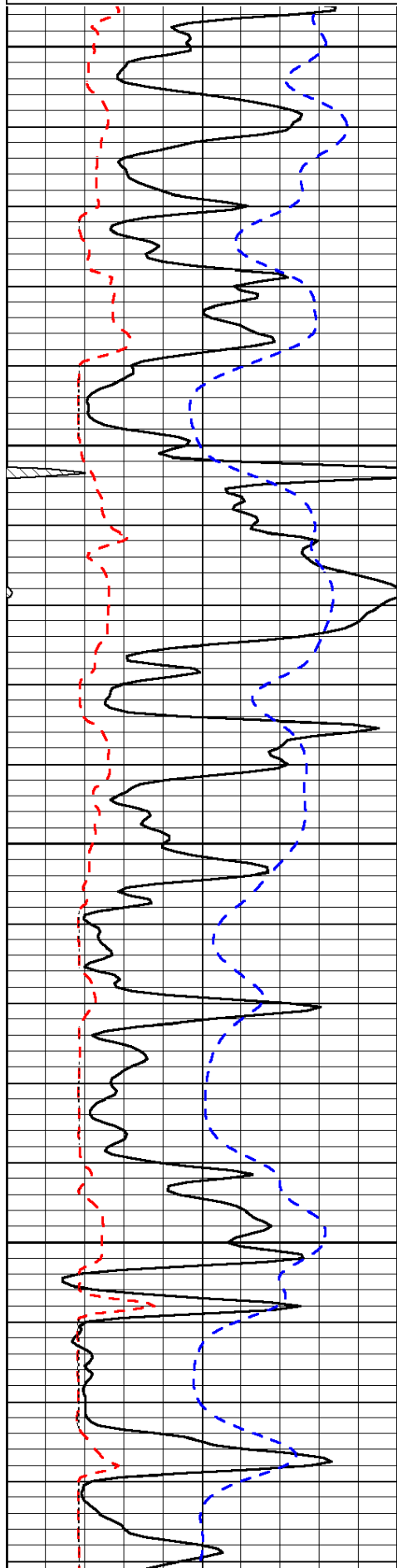
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Presentation Format: micro
Dataset Creation: Tue Dec 21 21:08:29 2010
Charted by: Depth in Feet scaled 1:240

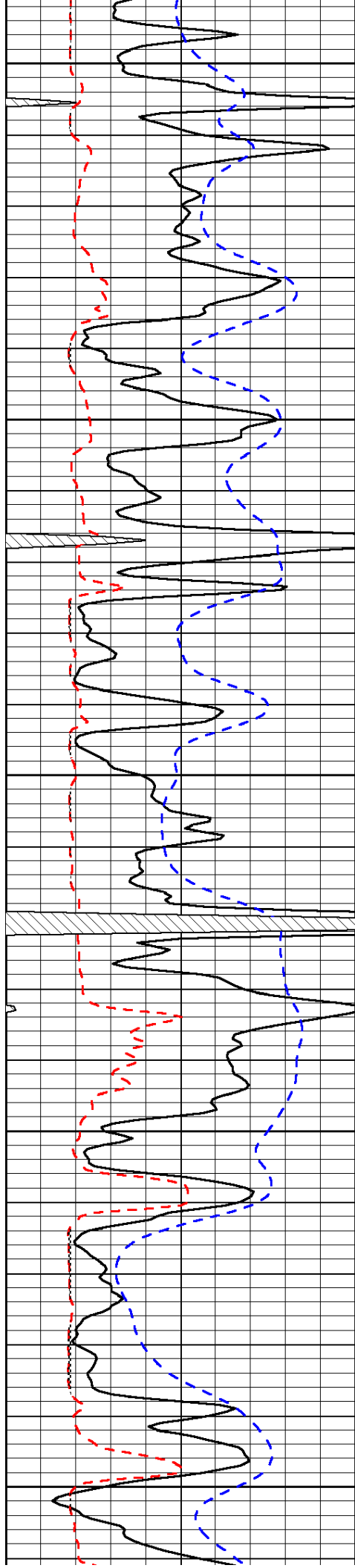
Charted by: Depth in Feet scaled 1:2.15

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

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

LSPD





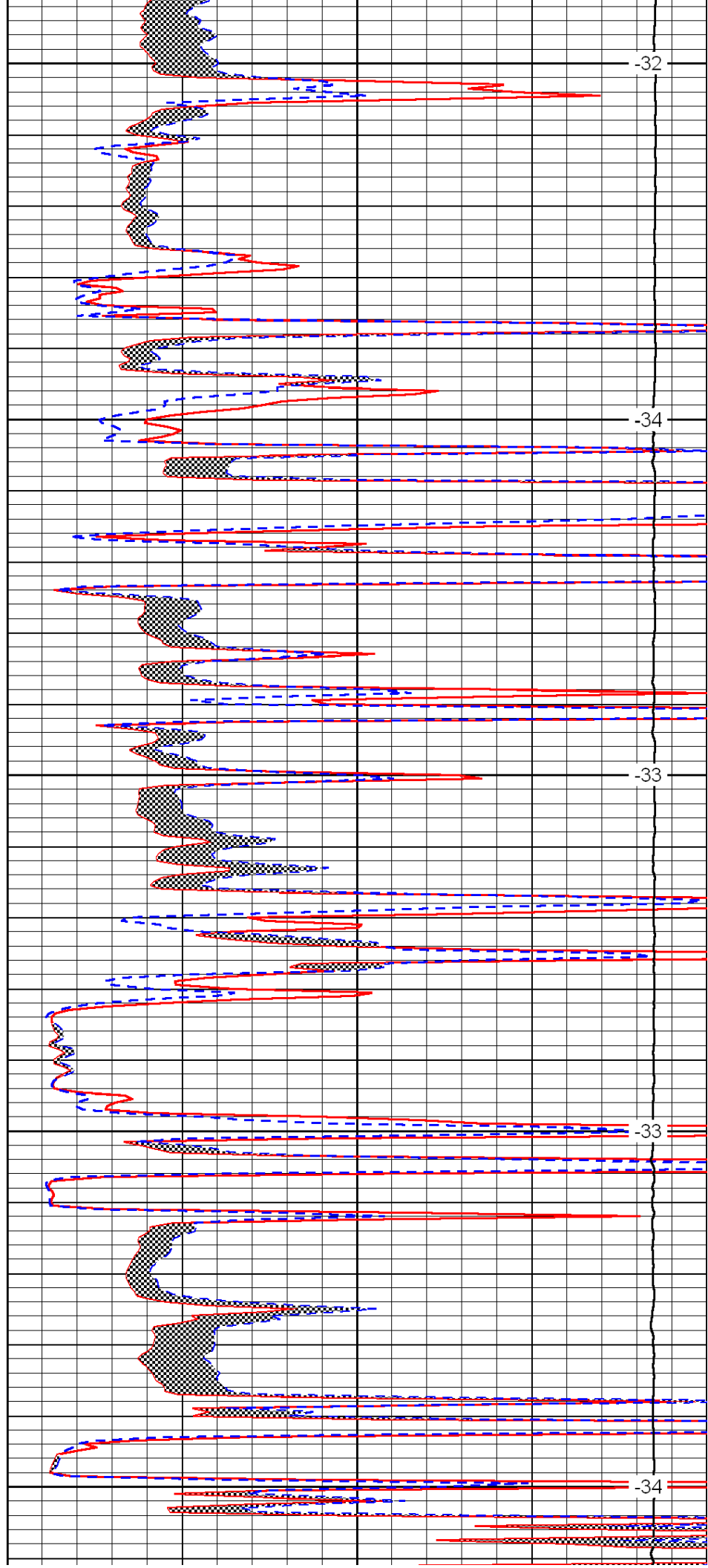
3850

3900

3950

4000

4050



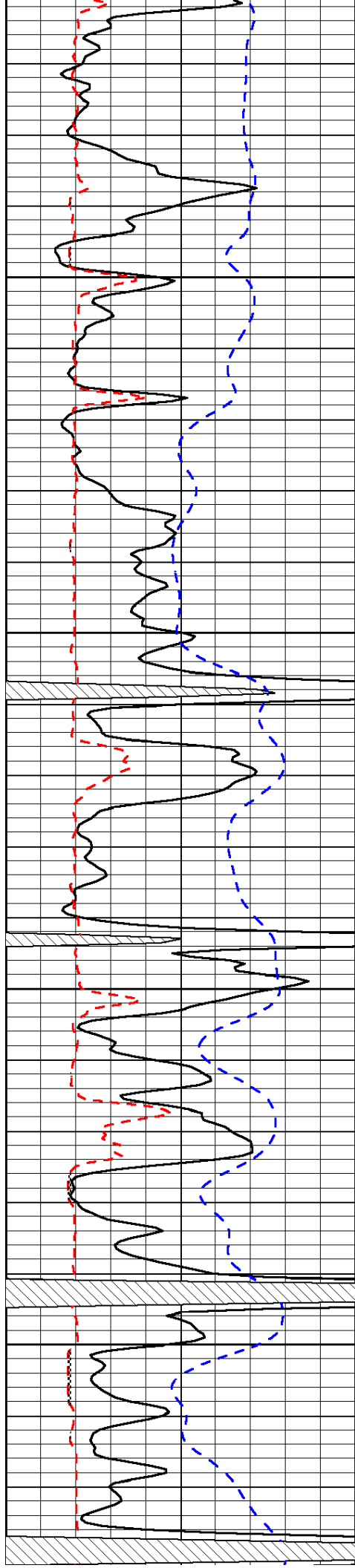
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-34

-33

-33

-34

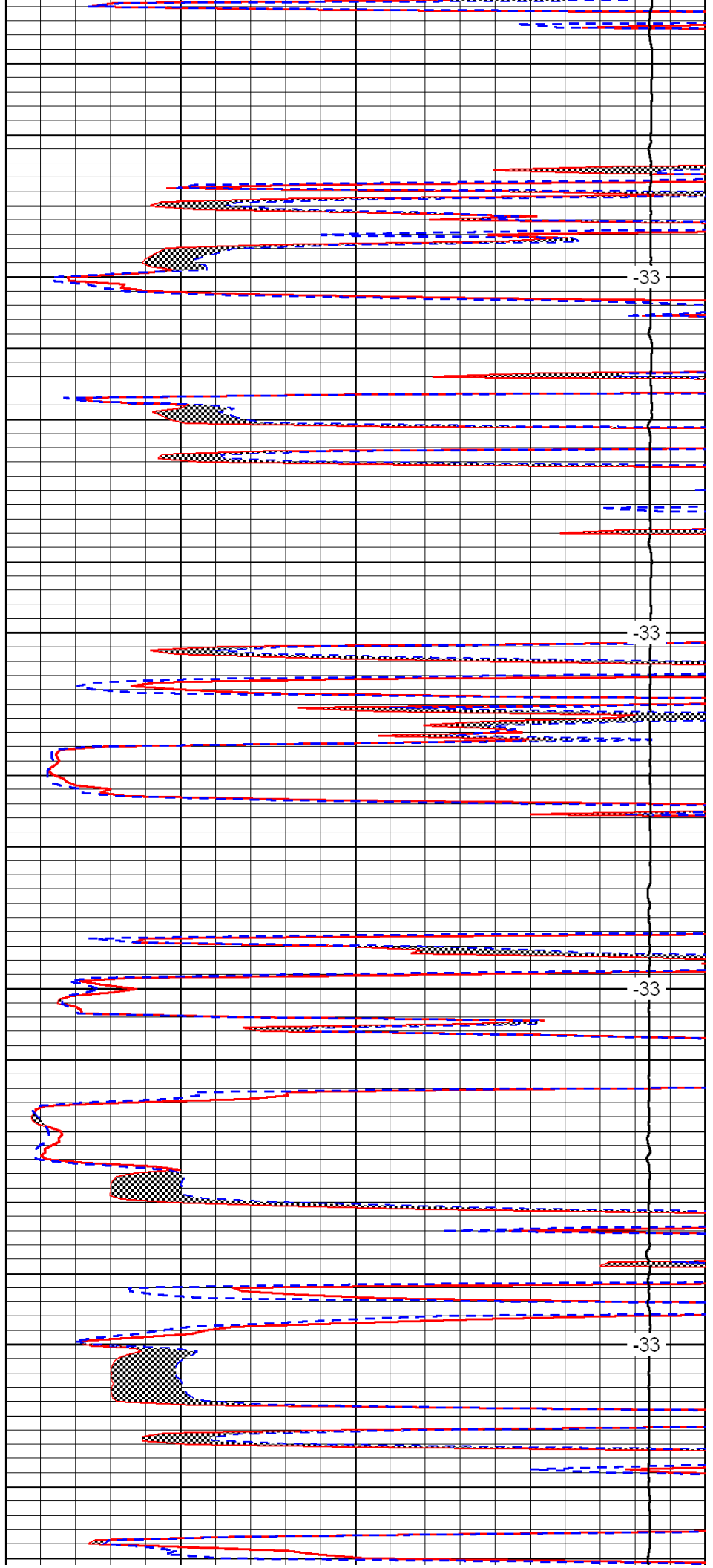


4100

4150

4200

4250

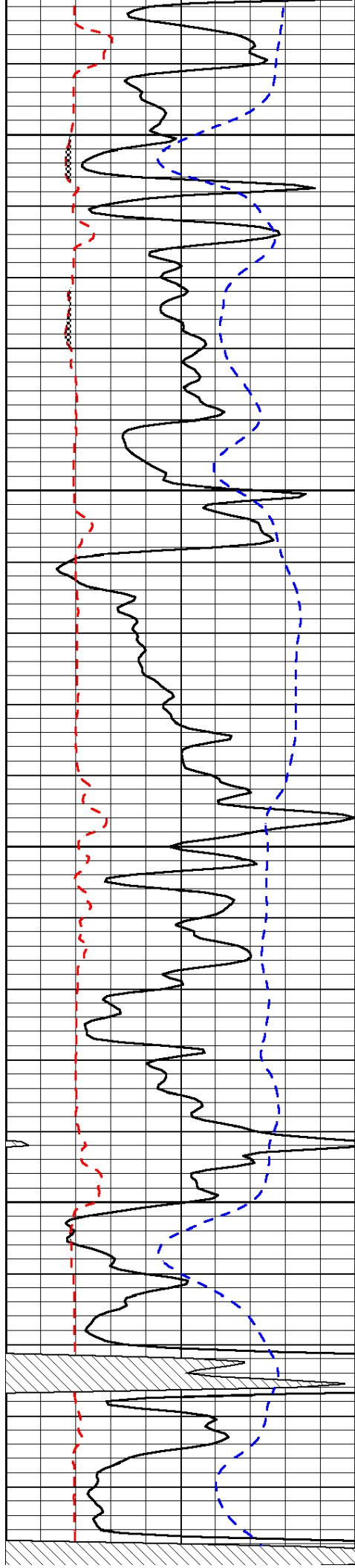


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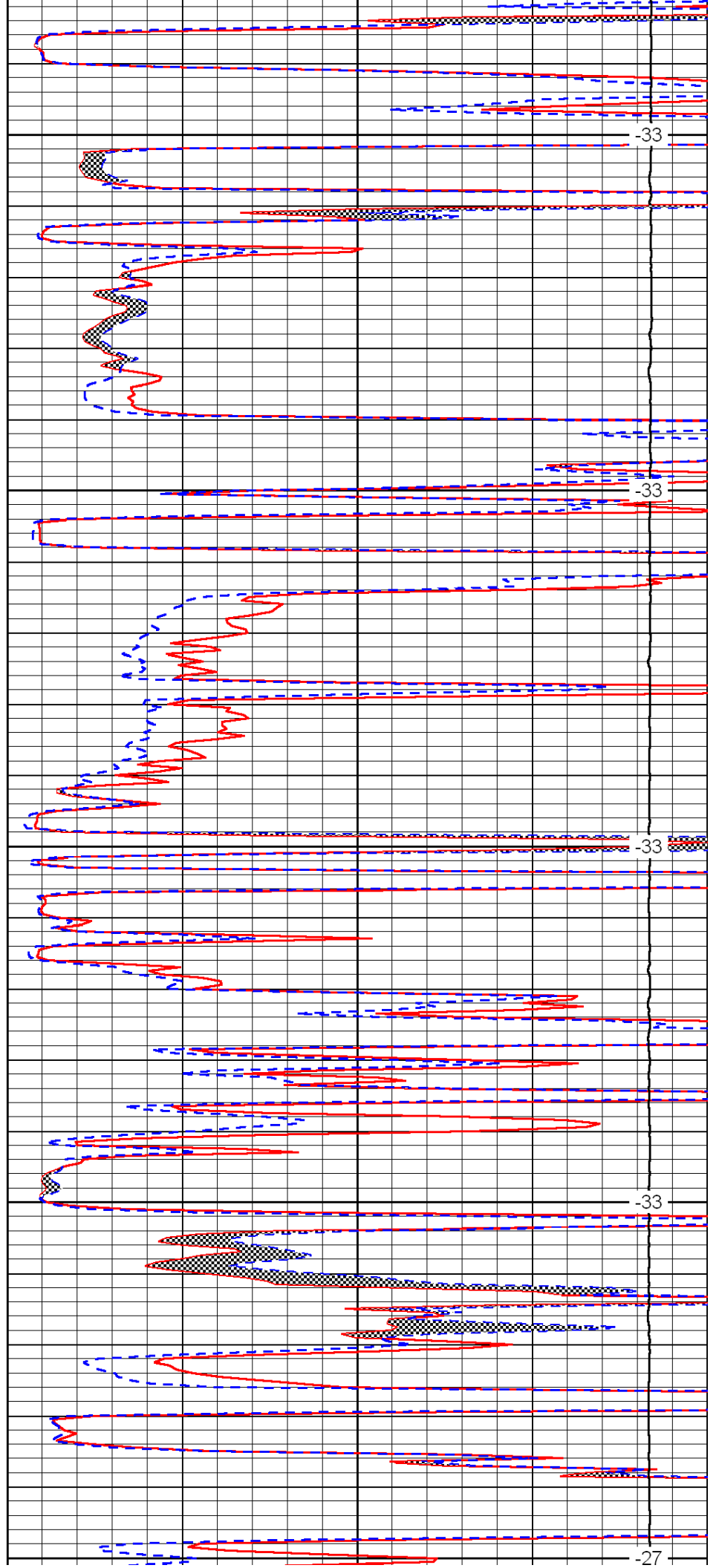
4300

4350

4400

4450

4500



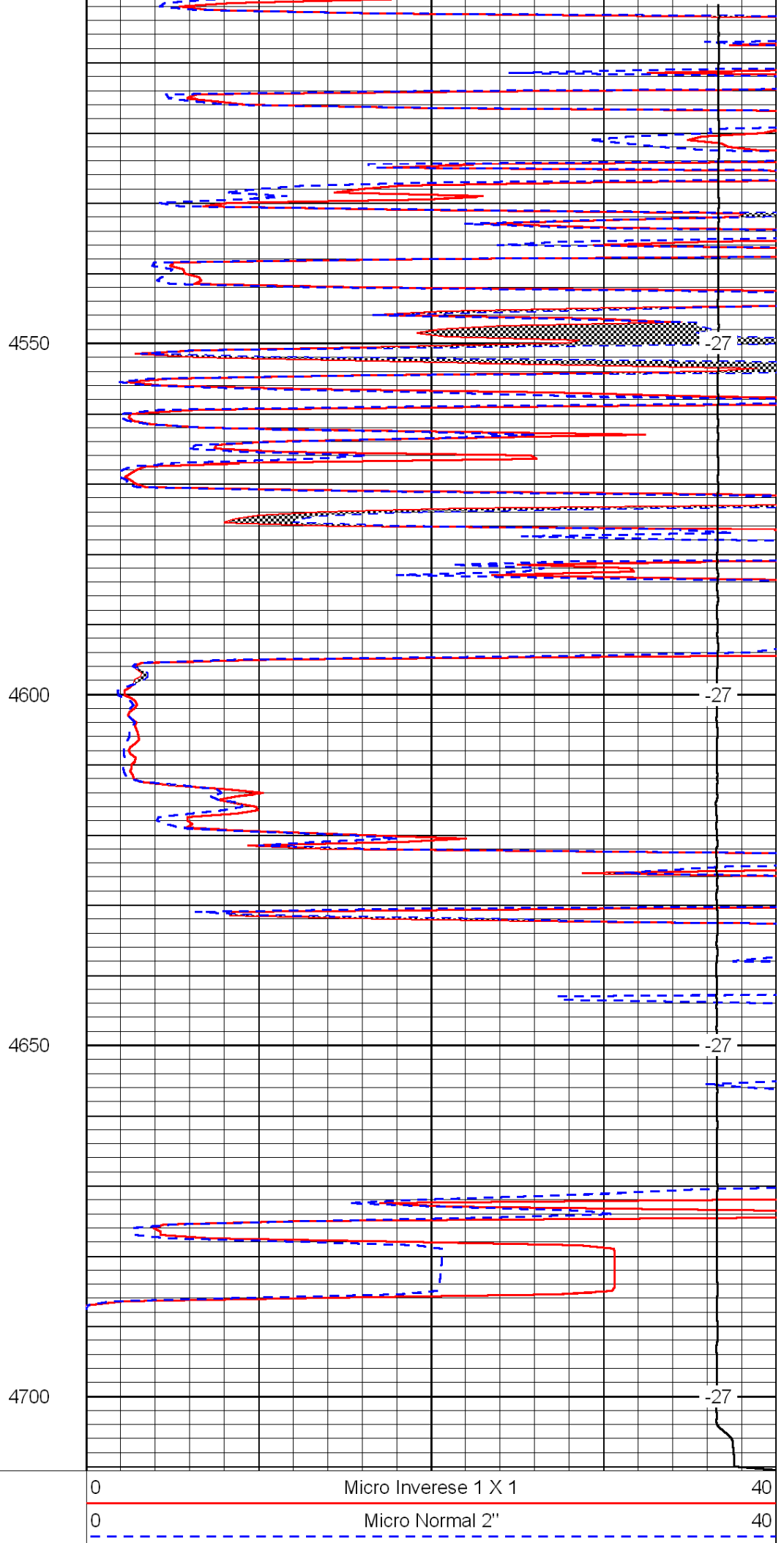
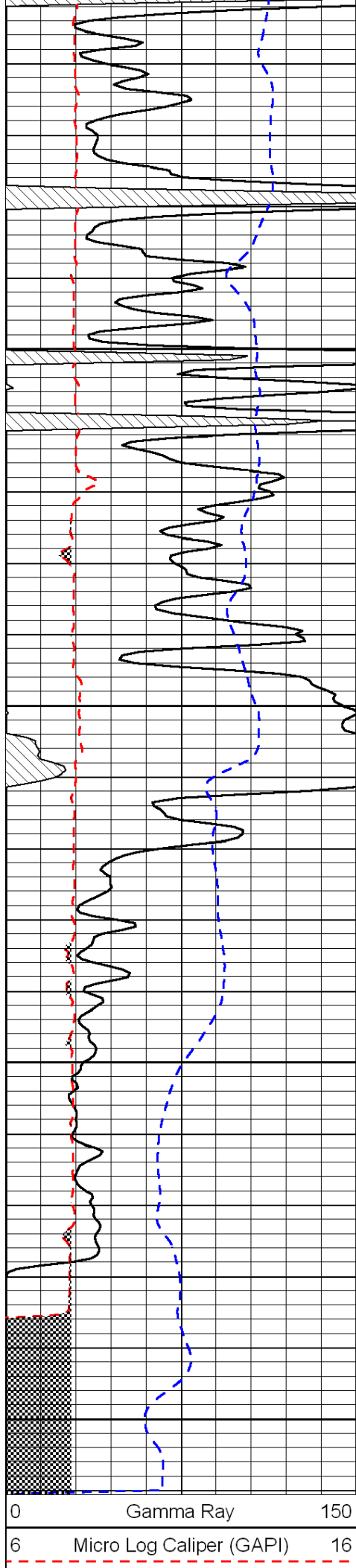
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-33

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-27



-200 SP (mV) 0

15000 Line Weight 0

LSPD