



Microresistivity Log

Pioneer Energy Services

API No.

15-065-24,074-00-00

Company Chisholm Partners II, LLC.

Well Nighswonger #9-1

Field

County

Graham

State

Kansas

Location

2310' FSL & 990' FWL

Sec: 9

Twp: 7S

Rge: 23W

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2442
8 Ft. Above Perm. Datum

K.B. 2450
D.F.
G.L. 2442

Date 11/26/2014

Run Number Two

Depth Driller 4000

Depth Logger 3999

Bottom Logged Interval 3998

Top Log Interval 3350

Casing Driller 8.625 @ 262

Casing Logger 262

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1500

Density / Viscosity 9.4 49

pH / Fluid Loss 10.0 7.6

Source of Sample Flowline

Rm @ Meas. Temp 1.65 @ 68

Rmf @ Meas. Temp 1.24 @ 68

Rmc @ Meas. Temp 2.23 @ 68

Source of Rmf / Rmc Charts

Rm @ BHT .97 @ 116

Operating Rig Time 5 Hours

Max Rec. Temp. F 116

Equipment Number 108

Location Hays

Recorded By D. Fischer

Witnessed By Jeff lawler

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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.

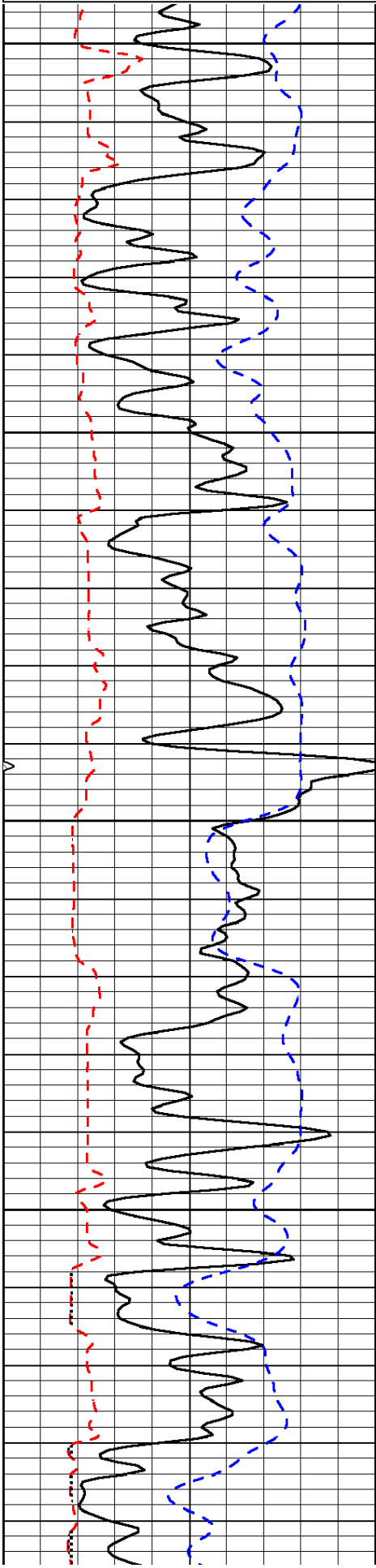
Comments

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

Hill City Ks., West to 240 Rd., 6.5 North, East Into.

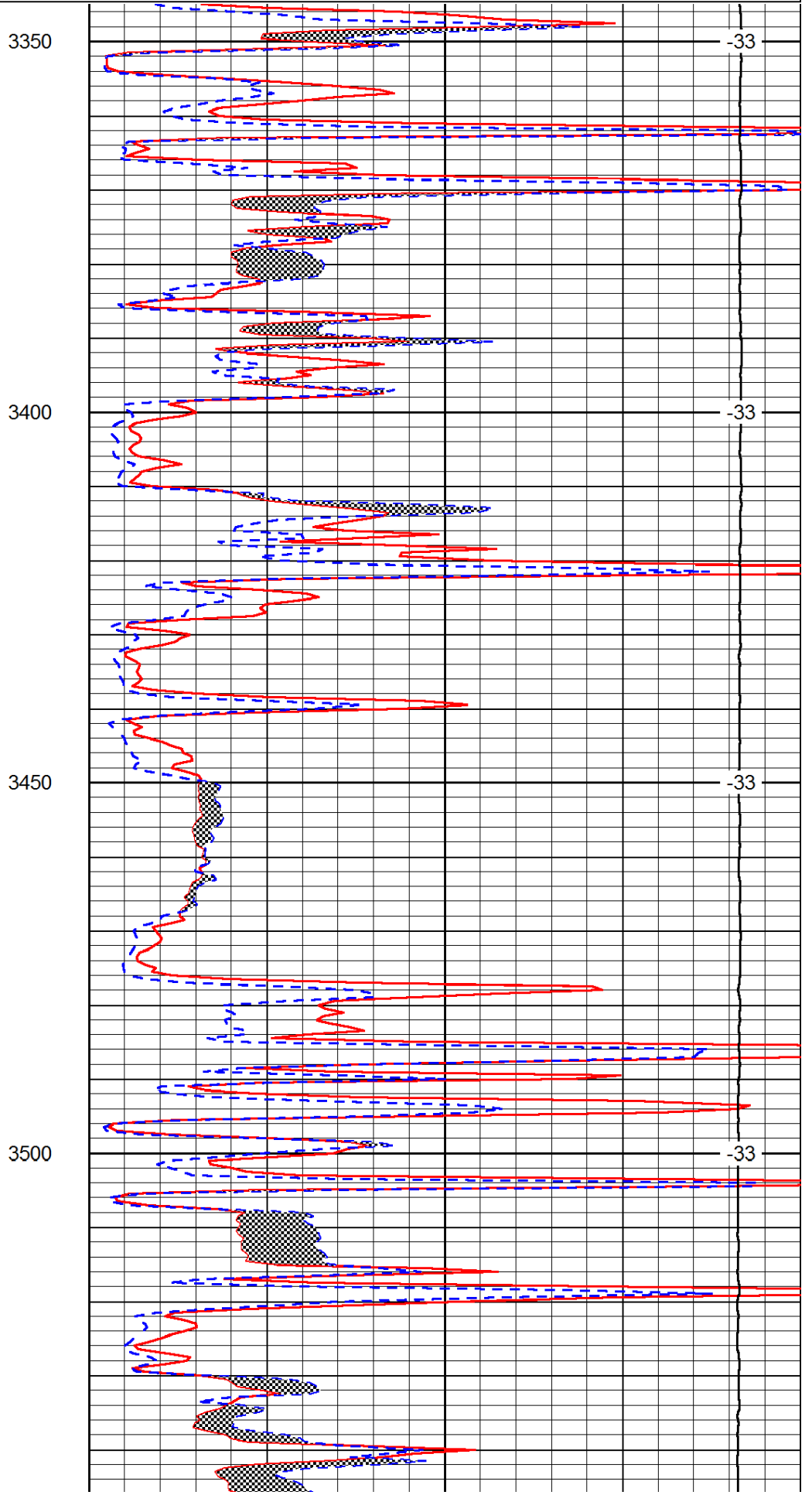
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Dataset Pathname: DIL/chstck
Presentation Format: micro
Dataset Creation: Wed Nov 26 06:19:11 2014
Charted by: Depth in Feet scaled 1:240

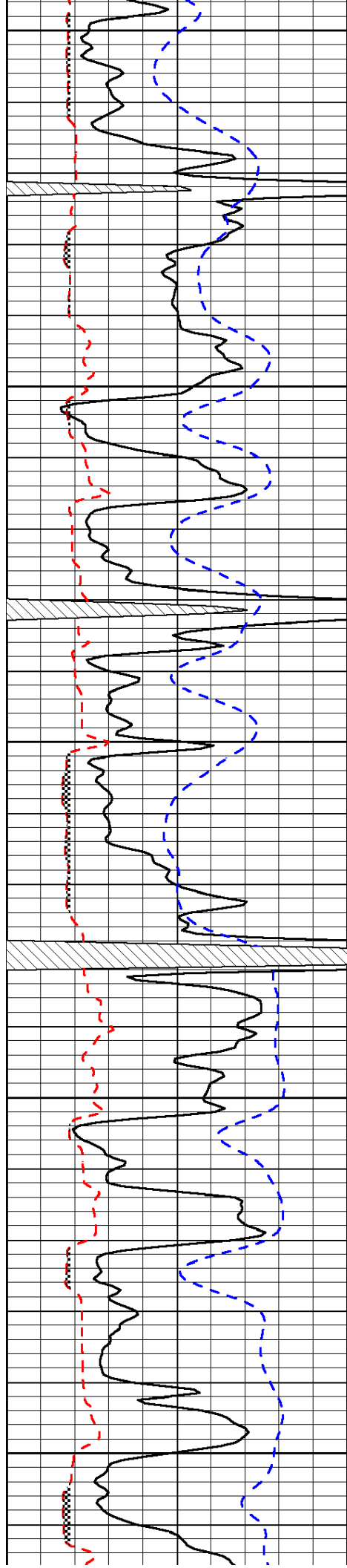
0	Gamma Ray	150
6	MCAL (GAPI)	16
-200	SP (mV)	0



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

LSPD





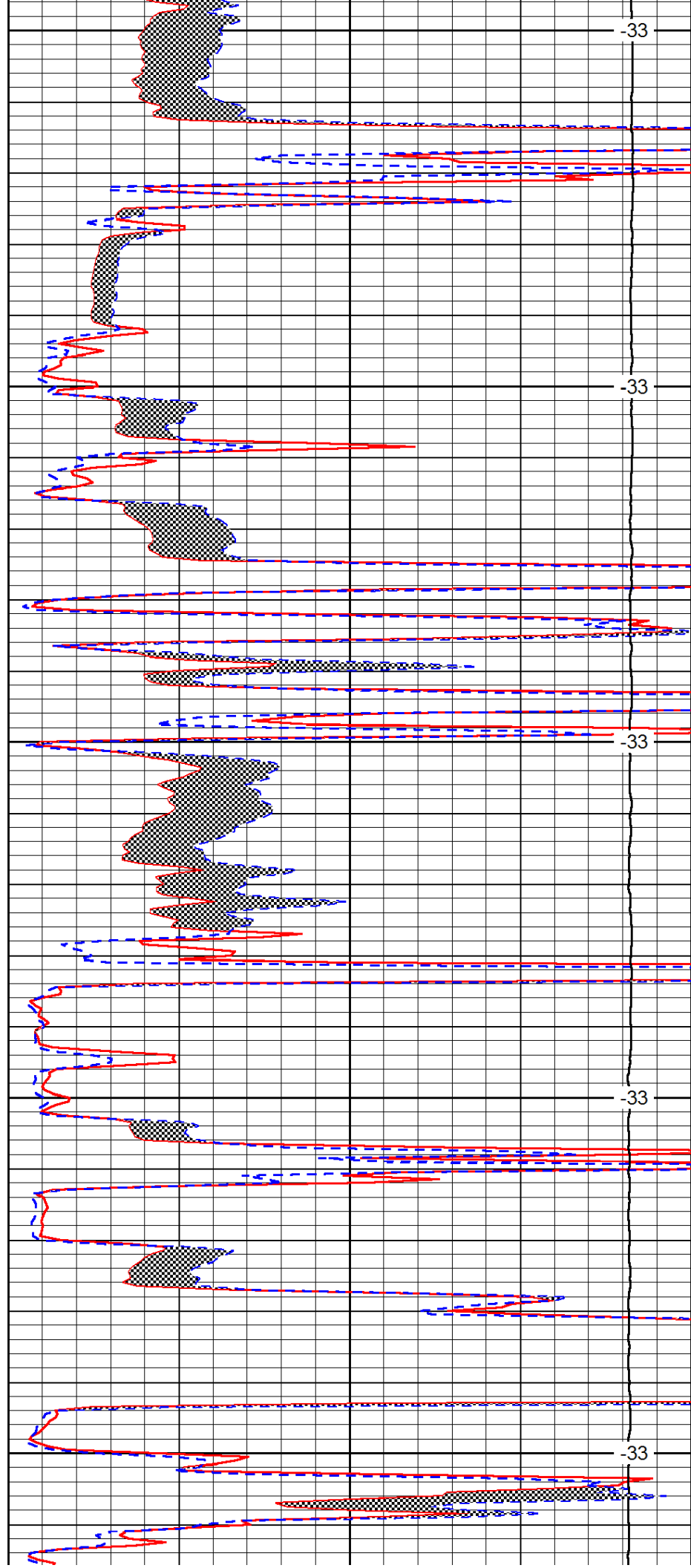
3550

3600

3650

3700

3750



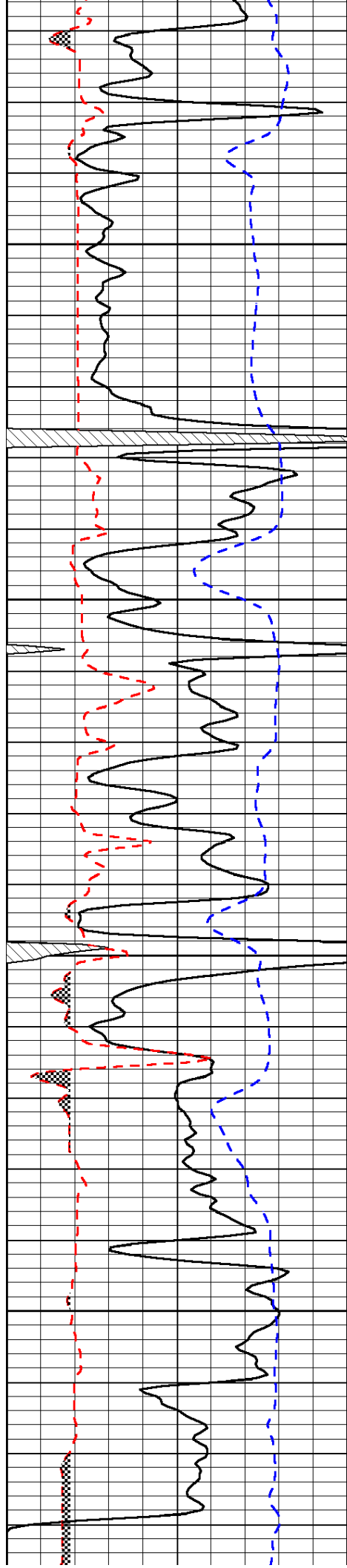
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-33

-33

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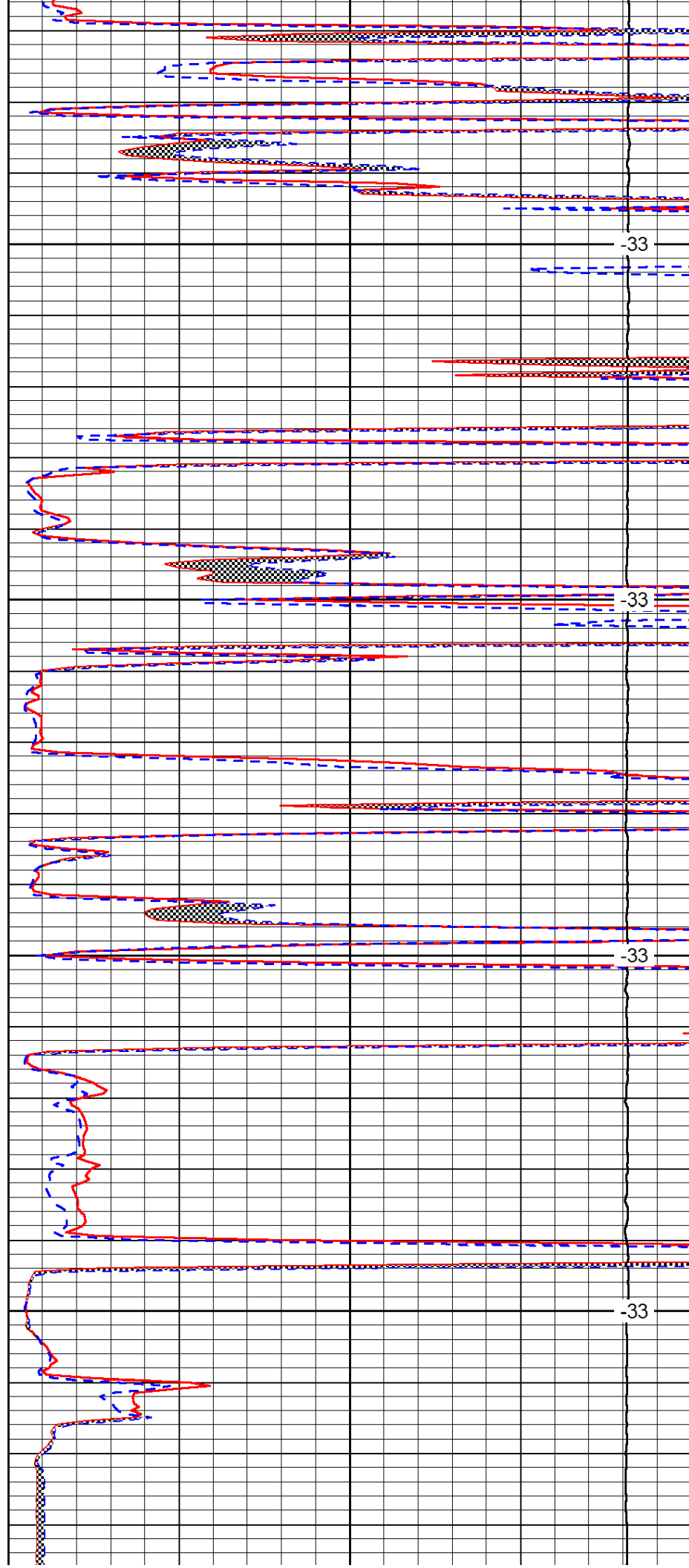


3800

3850

3900

3950

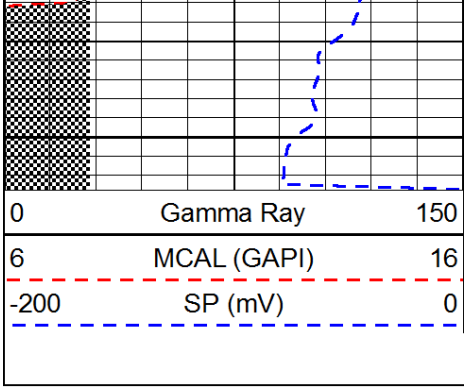


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4000

