



Microresistivity Log

Pioneer Energy Services

API No.

15-167-23,815-00-00

Company JAG Operations, Inc.

Well Stranger Valley #1

Field Unknown

County Russell State

Kansas

Location

170' FNL & 1460' FEL

Other Services
CNL/CDL
DIL/BHCS

Sec: 34 Twp: 13 S Rge: 15 W

Permanent Datum Ground Level Elevation 1918

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date 8/12/2012

Run Number Two

Depth Driller 3430

Depth Logger 3428

Bottom Logged Interval 3427

Top Log Interval 2800

Casing Driller 8.625 @ 212

Casing Logger 212

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5,000

Density / Viscosity 9.0 50

pH / Fluid Loss 9.5 10.4

Source of Sample Flowline

Rm @ Meas. Temp .62 @ 75

Rmf @ Meas. Temp .47 @ 75

Rmc @ Meas. Temp .84 @ 75

Source of Rmf / Rmc Charts

Rm @ BHT .41 @ 112

Operating Rig Time 4 Hours

Max Rec. Temp. F 112

Equipment Number 91

Location Hays

Recorded By K. Bange

Witnessed By Mike Bair

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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.

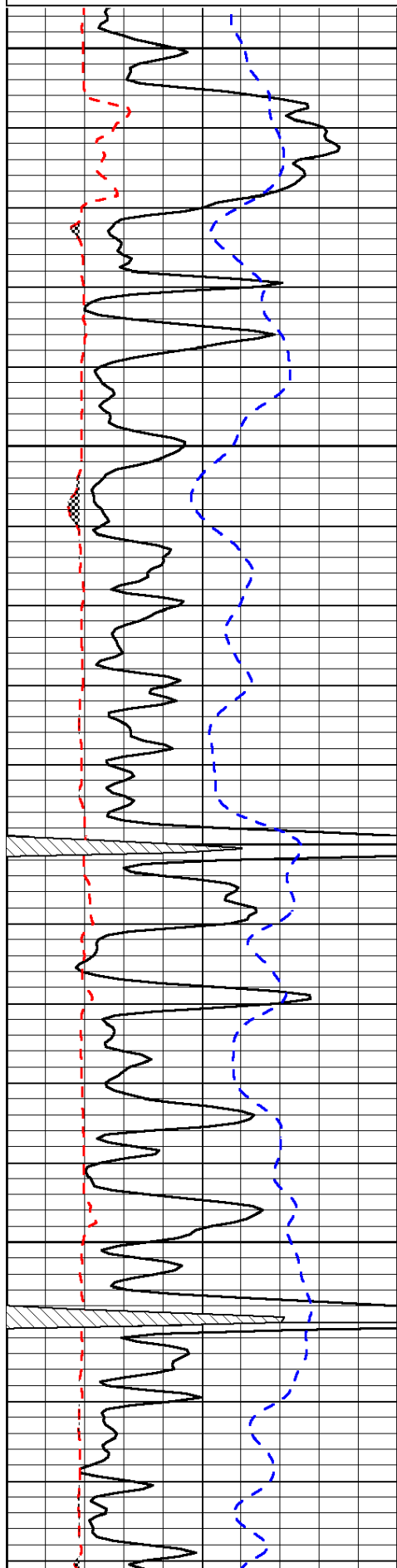
Comments

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

Gorham, 3 E to 179 rd,
100' S, W into

Database File: c:\warrior\data\jag_stranger valley #1\jag081212hd.db
Dataset Pathname: dil\jagstack
Presentation Format: micro
Dataset Creation: Sun Aug 12 14:53:08 2012
Charted by: Depth in Feet scaled 1:240

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



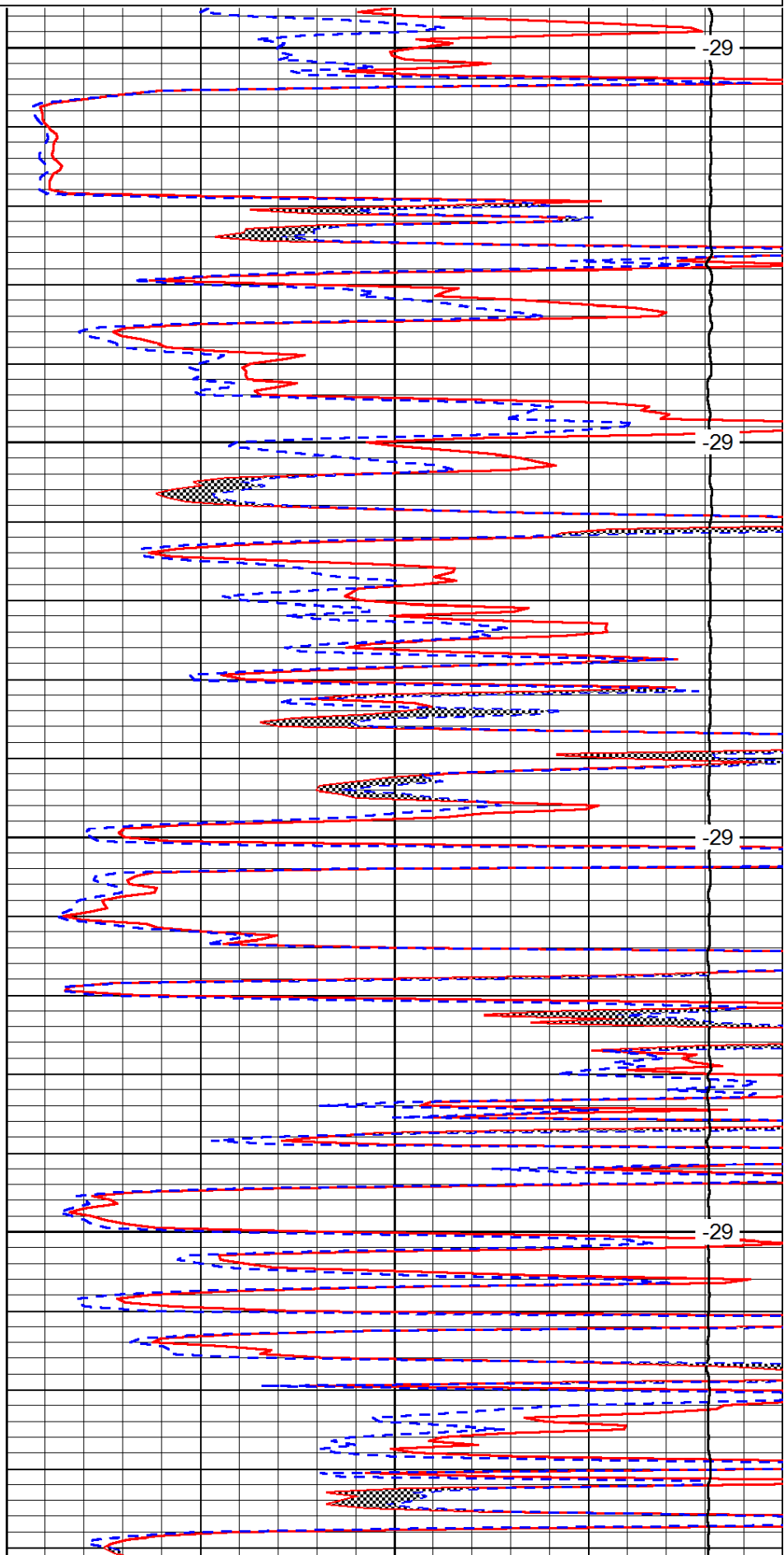
2800

2850

2900

2950

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



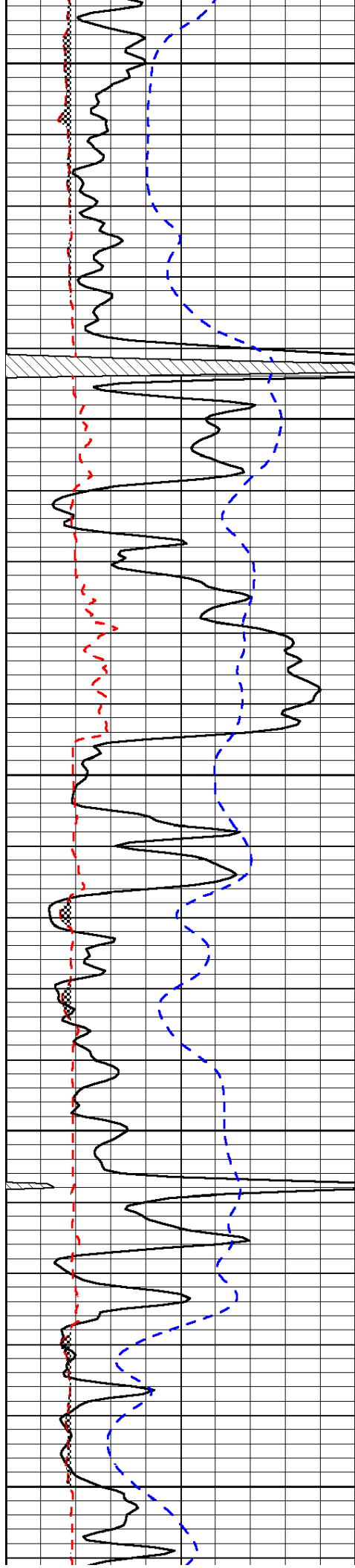
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LSPD



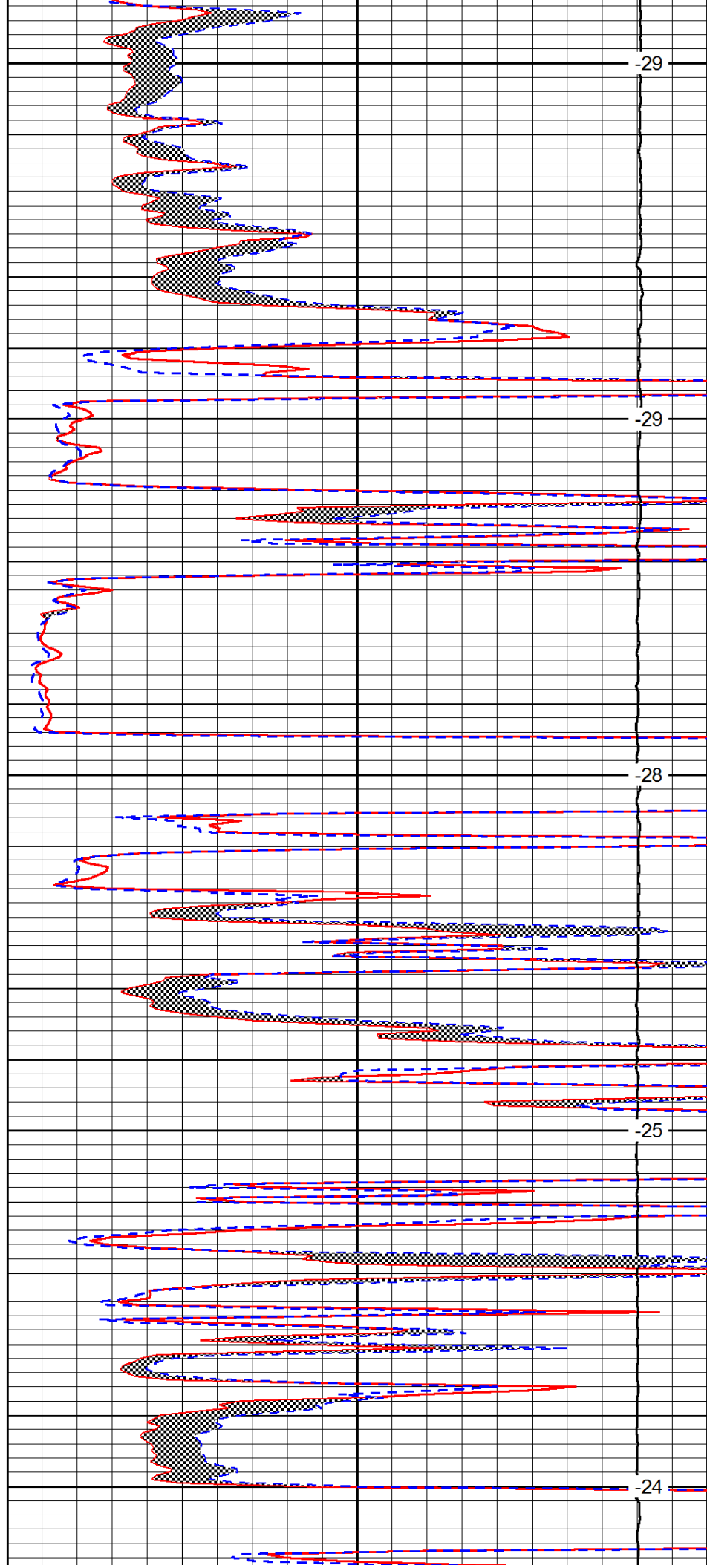
3000

3050

3100

3150

3200



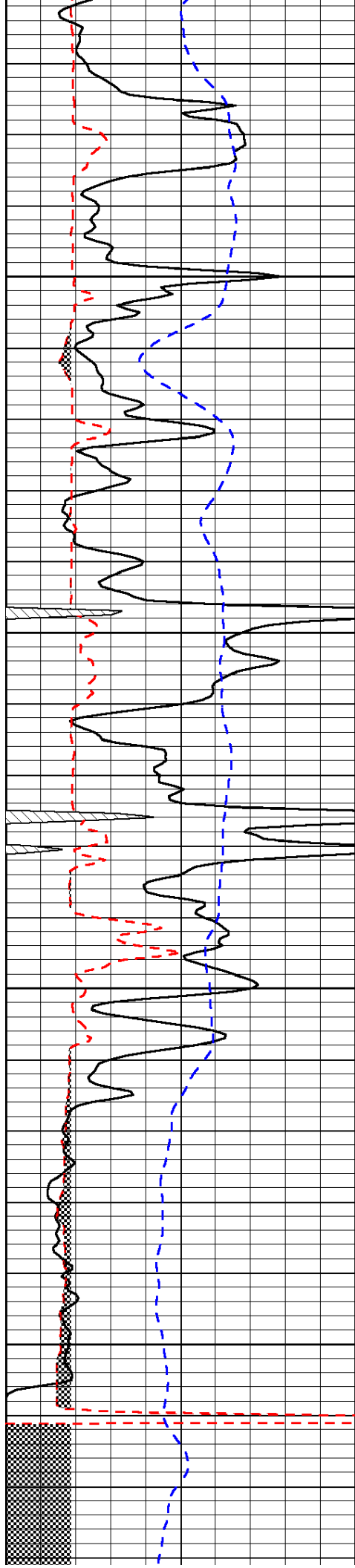
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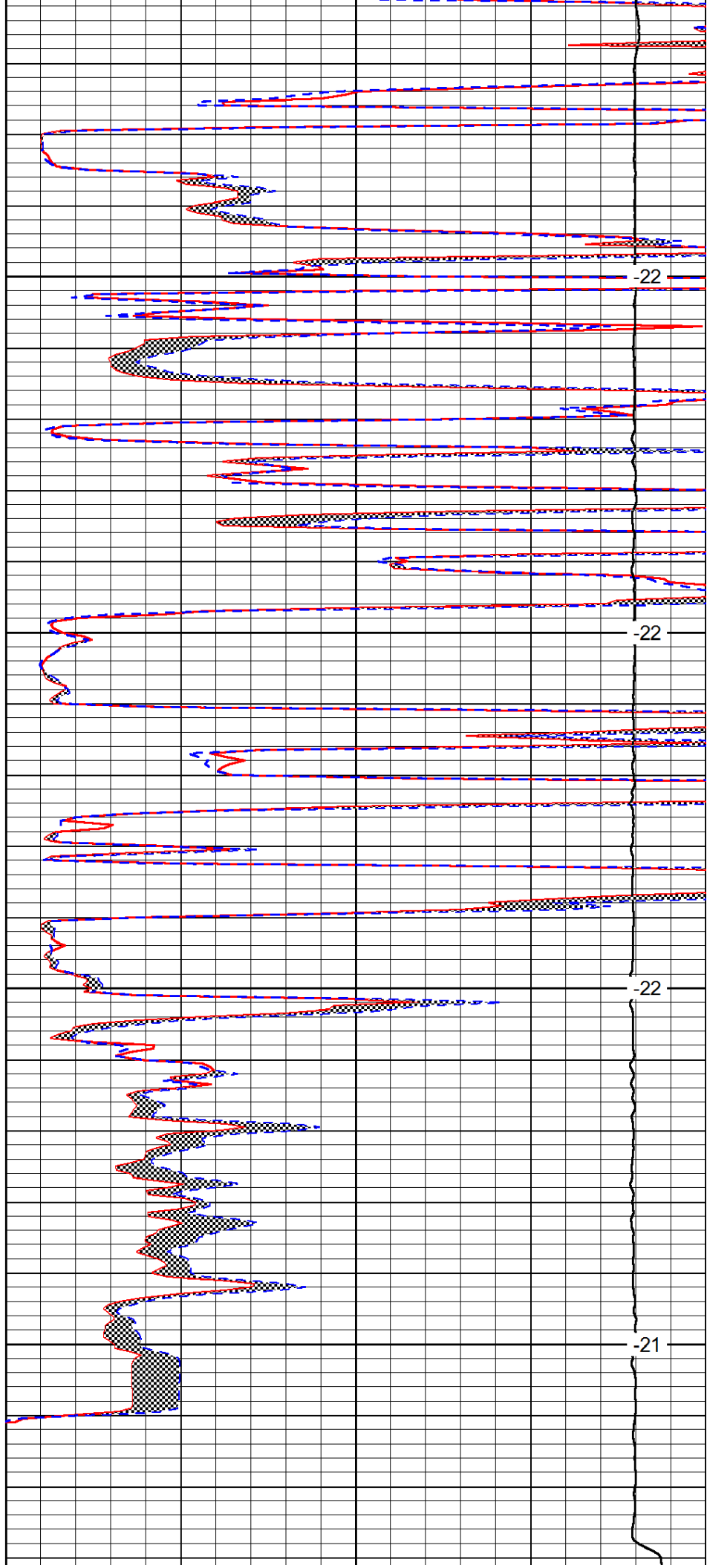


3250

3300

3350

3400



-22

-22

-22

-21

