



Microresistivity Log

Pioneer Energy Services

API No.

15-135-25,444-00-00

Company American Warrior, Inc.

Well C.L. No.1-25

Field McVicker

County Ness State

Kansas

Location 1200' FNL & 2607' FWL

Sec: 25 Twp: 20S Rge: 26W

Other Services
CNL/CDL
DIL/BHCS

Elevation

K.B. 2447
D.F.
G.L. 2436

Permanent Datum Ground Level Elevation 2436
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 8/12/2012

Run Number Two

Depth Driller 4530

Depth Logger 4532

Bottom Logged Interval 4531

Top Log Interval 3600

Casing Driller 8.625 @ 225

Casing Logger 225

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3,500

Density / Viscosity 9.5 47

pH / Fluid Loss 10.0 10.4

Source of Sample Flowline

Rm @ Meas. Temp .85 @ 77

Rmf @ Meas. Temp .64 @ 77

Rmc @ Meas. Temp 1.15 @ 77

Source of Rmf / Rmc Charts

Rm @ BHT .54 @ 121

Operating Rig Time 5 Hours

Max Rec. Temp. F 121

Equipment Number 17

Location Hays

Recorded By C. Desaire

Witnessed By Kevin Timson

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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.

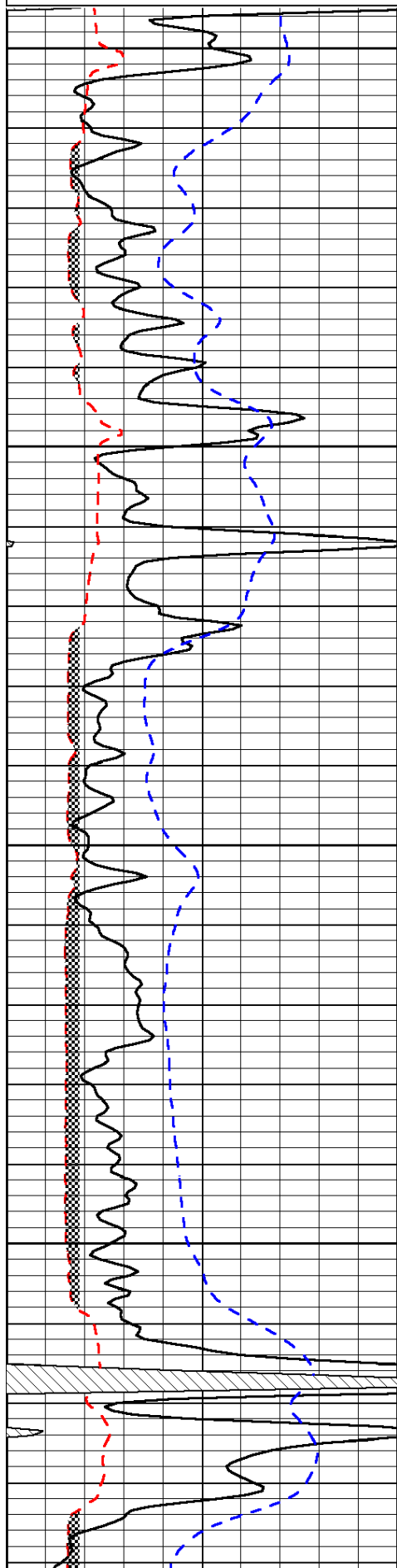
Comments

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

Ness City KS, W to J Rd, 10 S to 20 Rd,
5 W, S Into

Database File: c:\warrior\data\amwar_c.l. no.1-25\awhd.db
Dataset Pathname: dil\awstk
Presentation Format: micro
Dataset Creation: Sun Aug 12 05:59:56 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



3600

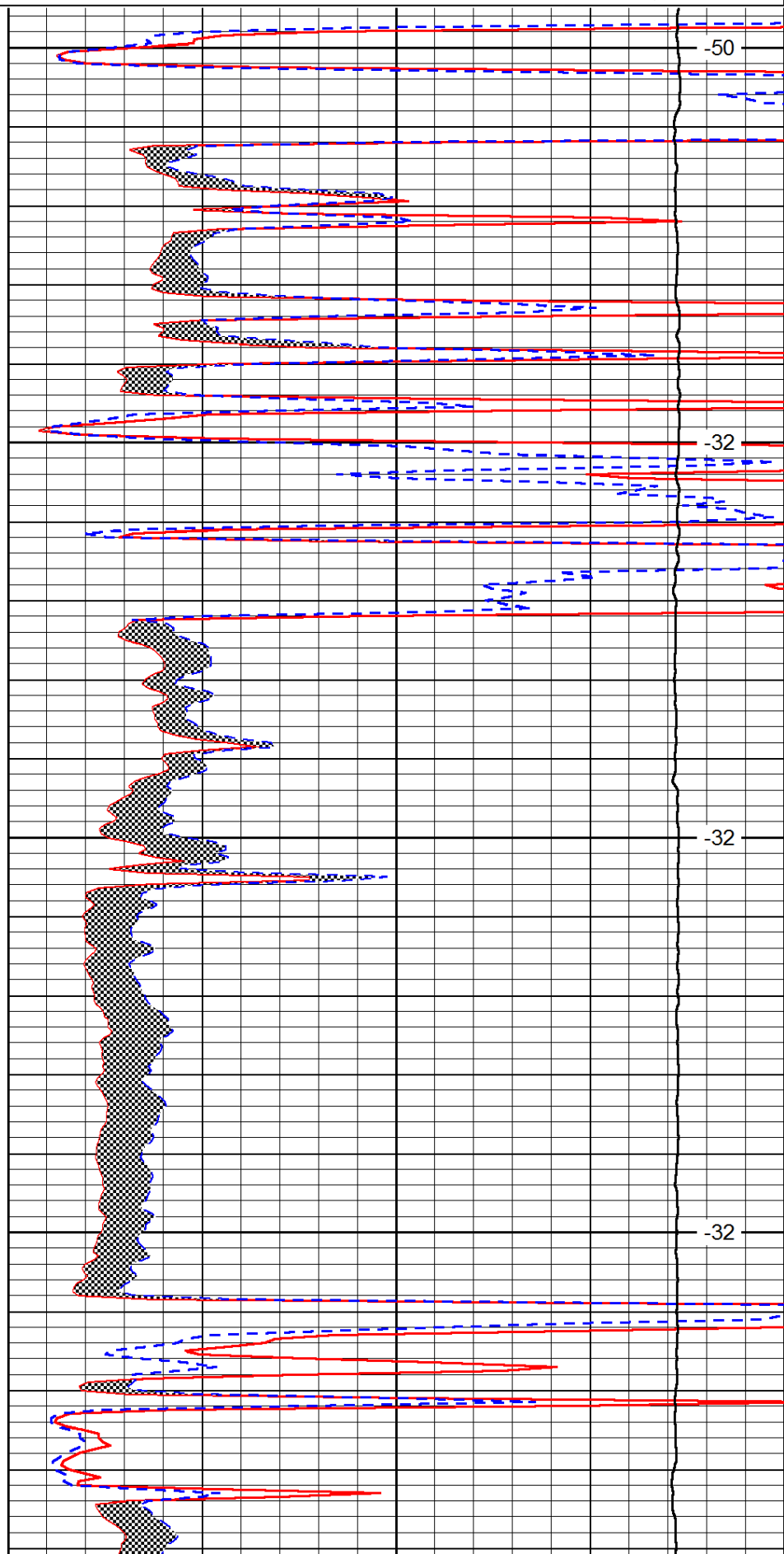
3650

3700

3750

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

LSPD

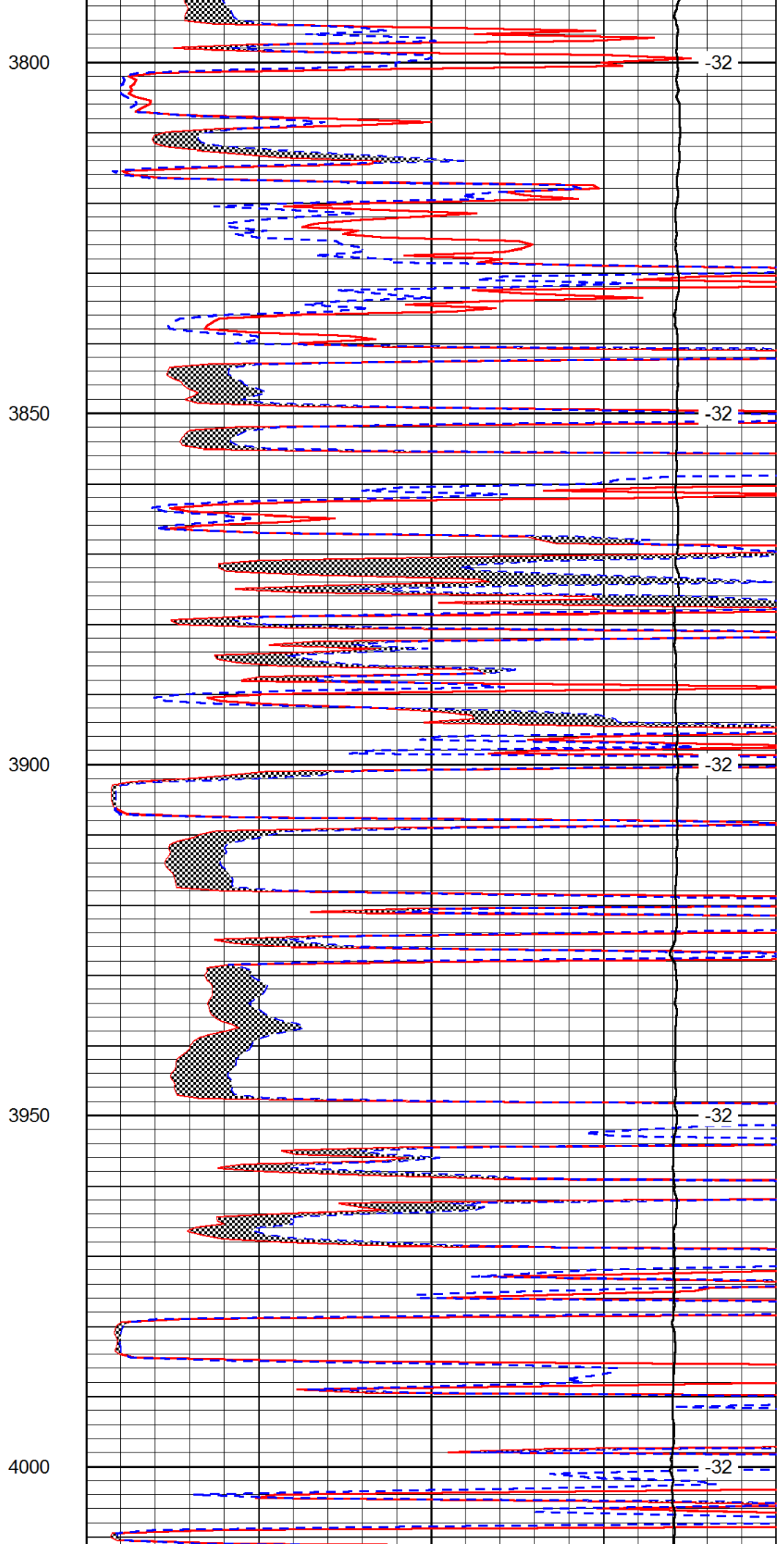
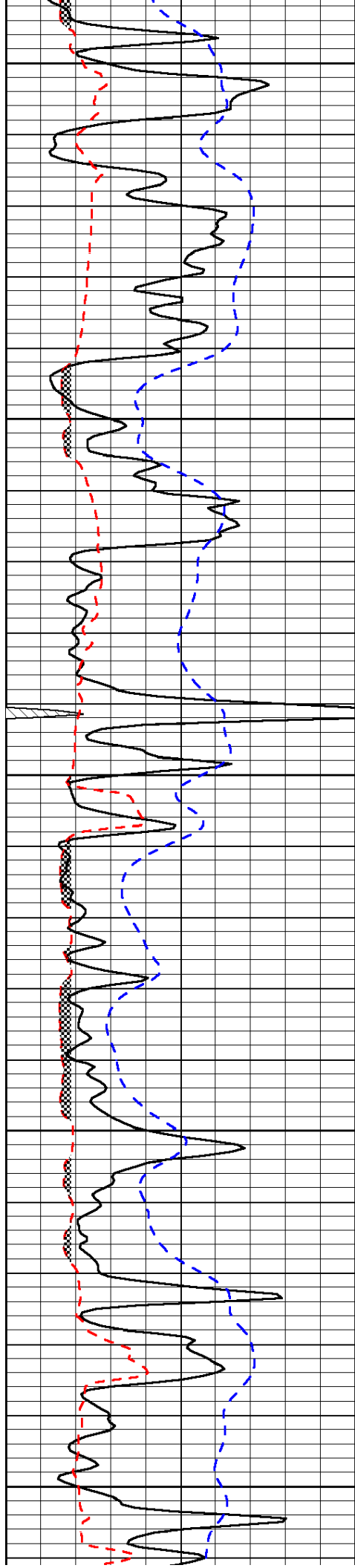


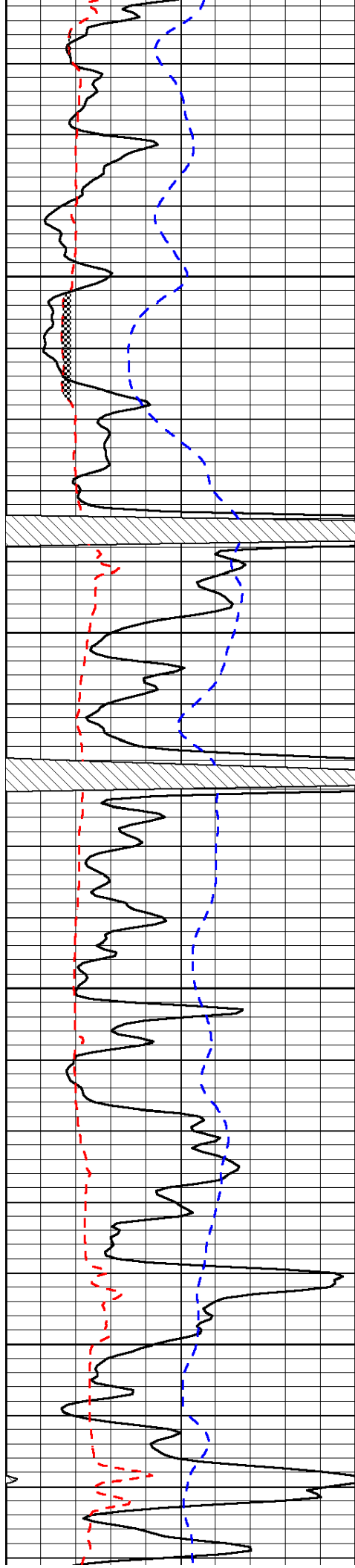
-50

-32

-32

-32



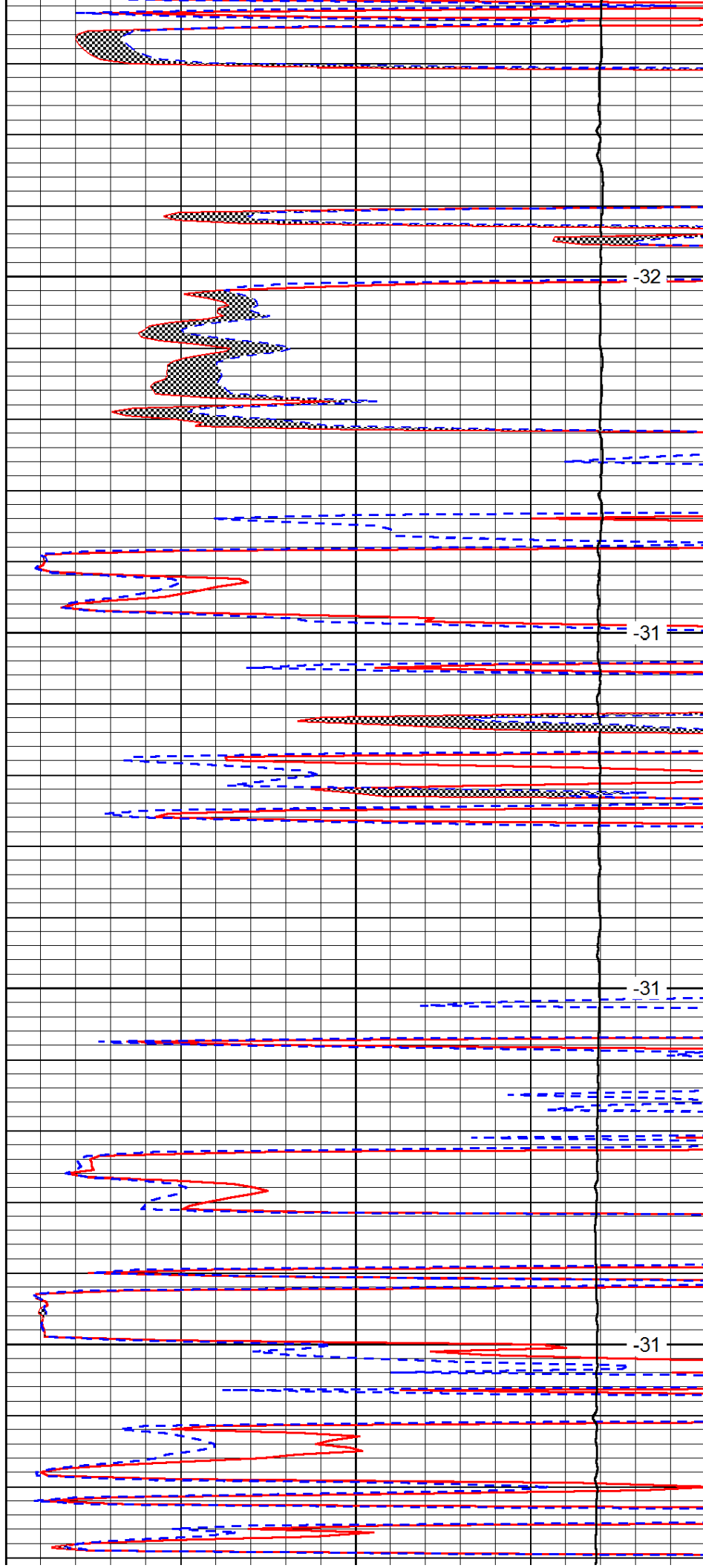


4050

4100

4150

4200

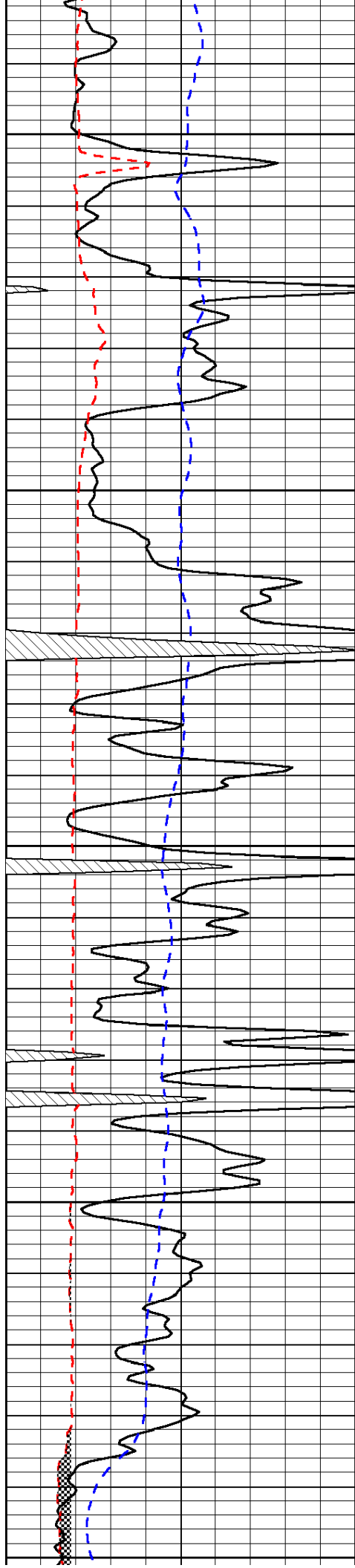


-32

-31

-31

-31



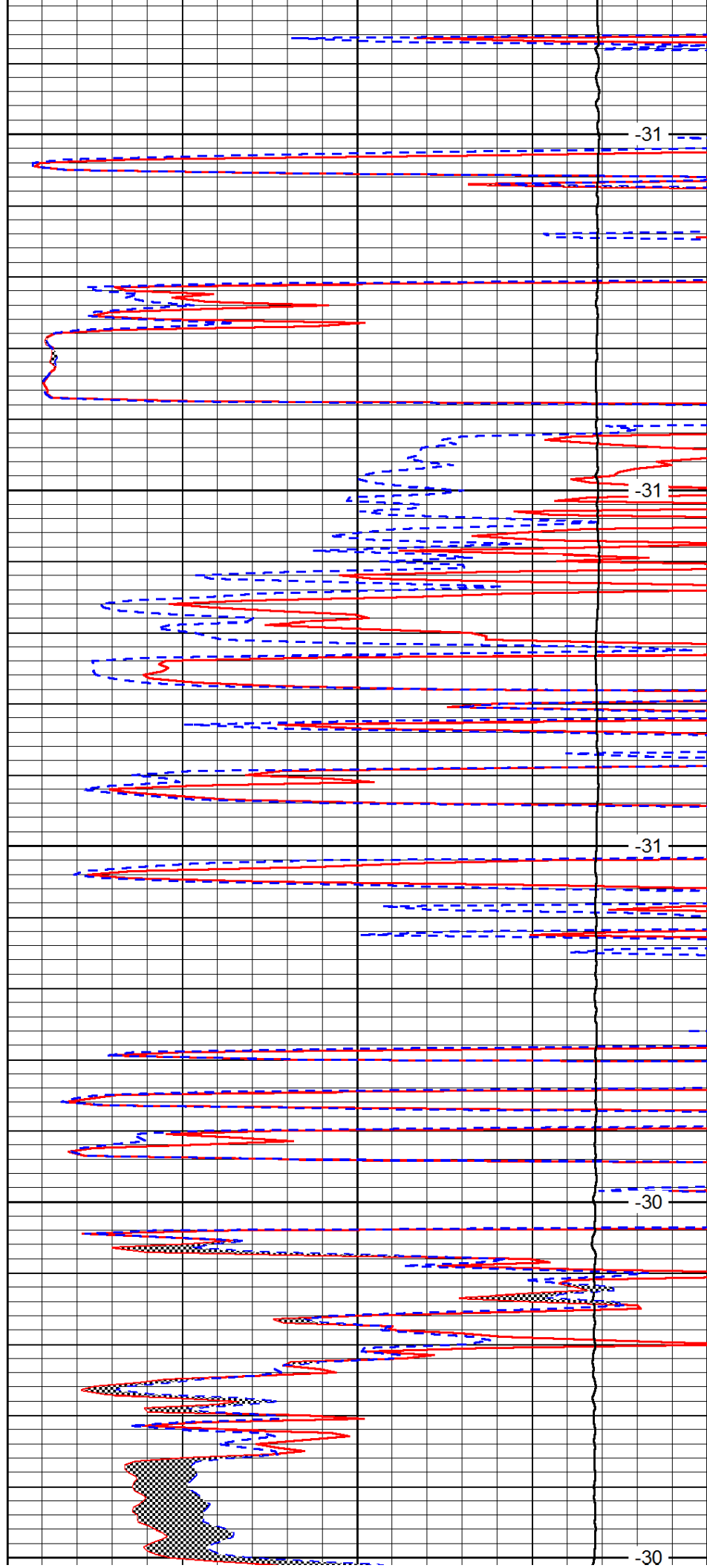
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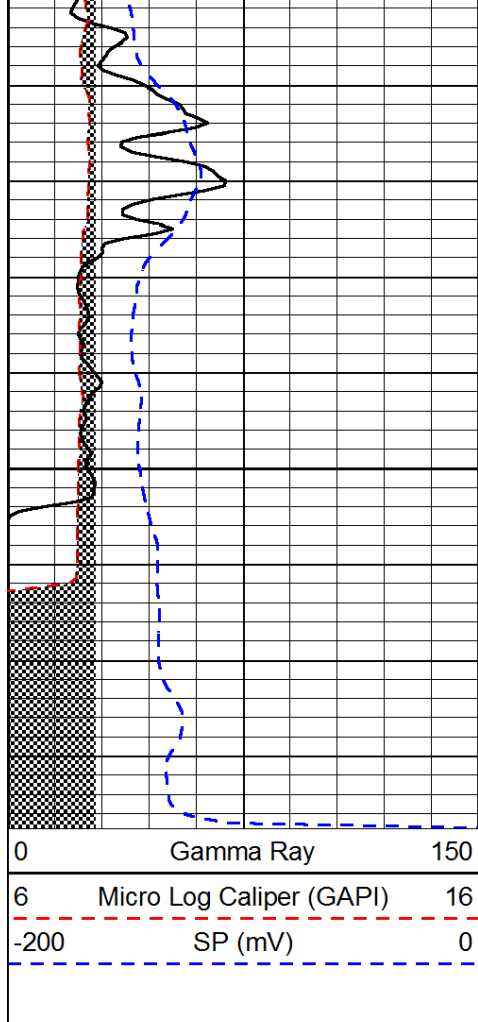
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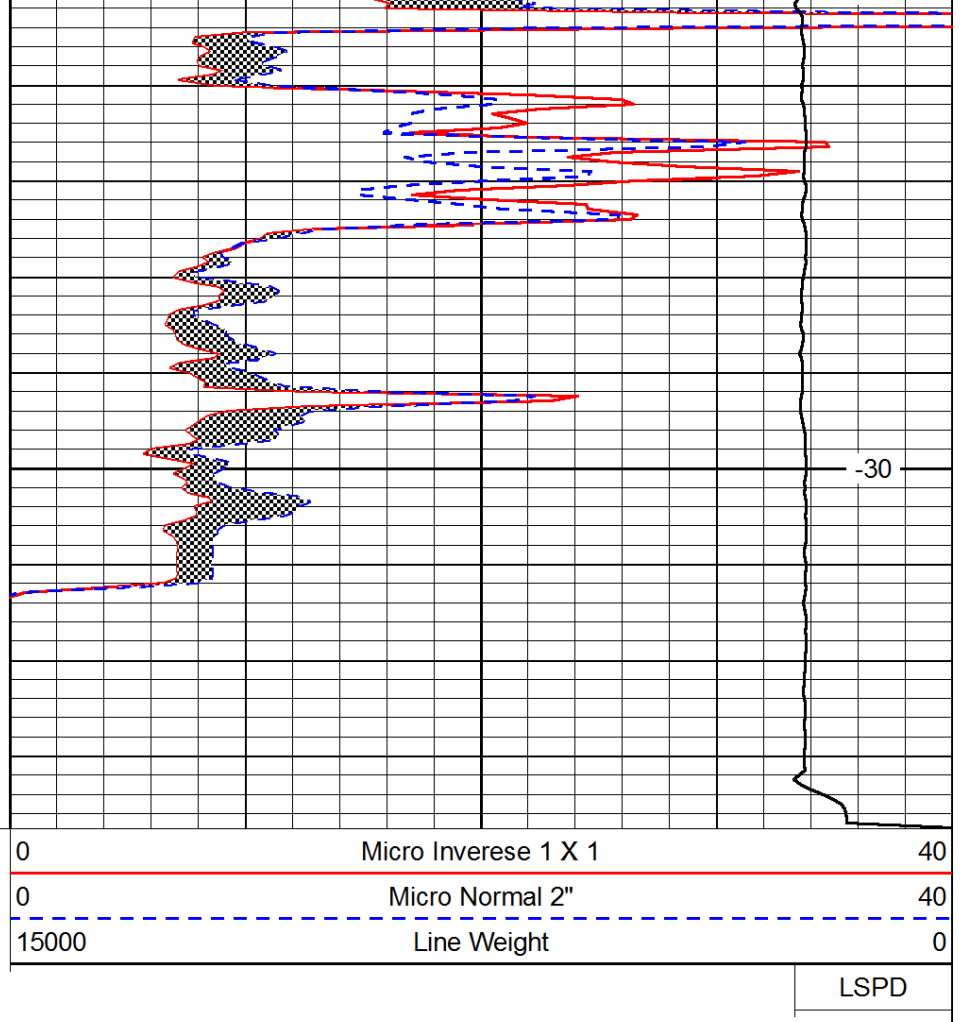
4400

4450





4500



-30

LSPD