



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-051-26,337-00-00

Company Tomlinson Operating, LLC

Well Pfeifer Brothers No. 1

Field Ernie

County Ellis State

Kansas

Location 1,500' FSL & 1,520' FEL

Other Services
RAG

Sec: 15 Twp: 12S Rge: 19W

Permanent Datum Ground Level Elevation 2233

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 2241
D.F. 2241
G.L. 2233

Date

7/13/2012

Run Number

Two

Depth Driller

3920

Depth Logger

3919

Bottom Logged Interval

3918

Top Log Interval

3000

Casing Driller

8.625 @ 330

Casing Logger

338

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1500

Density / Viscosity

9.2 49

pH / Fluid Loss

10.5 7.2

Source of Sample

Flowline

Rm @ Meas. Temp

1.12 @ 76

Rmf @ Meas. Temp

.84 @ 76

Rmc @ Meas. Temp

1.51 @ 76

Source of Rmf / Rmc

Charts

Rm @ BHT

.74 @ 115

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

115

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Wes Hansen

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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.

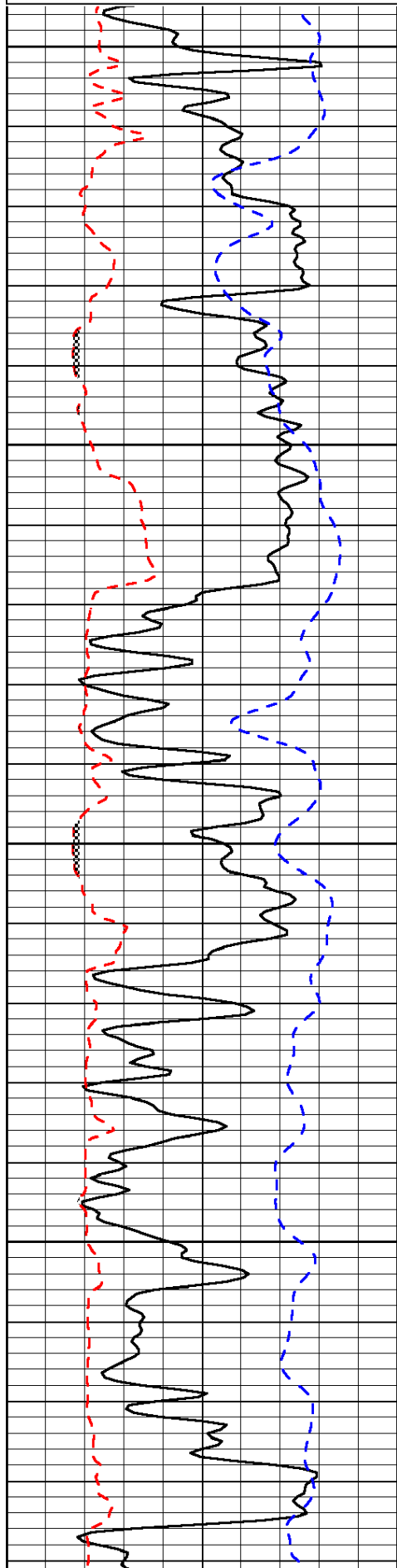
Comments

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(785) 625-3858

Hays, North to Buckeye Road, 5 1/4 West, North Into

Charted by: Depth in Feet scaled 1:2.10

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



3000

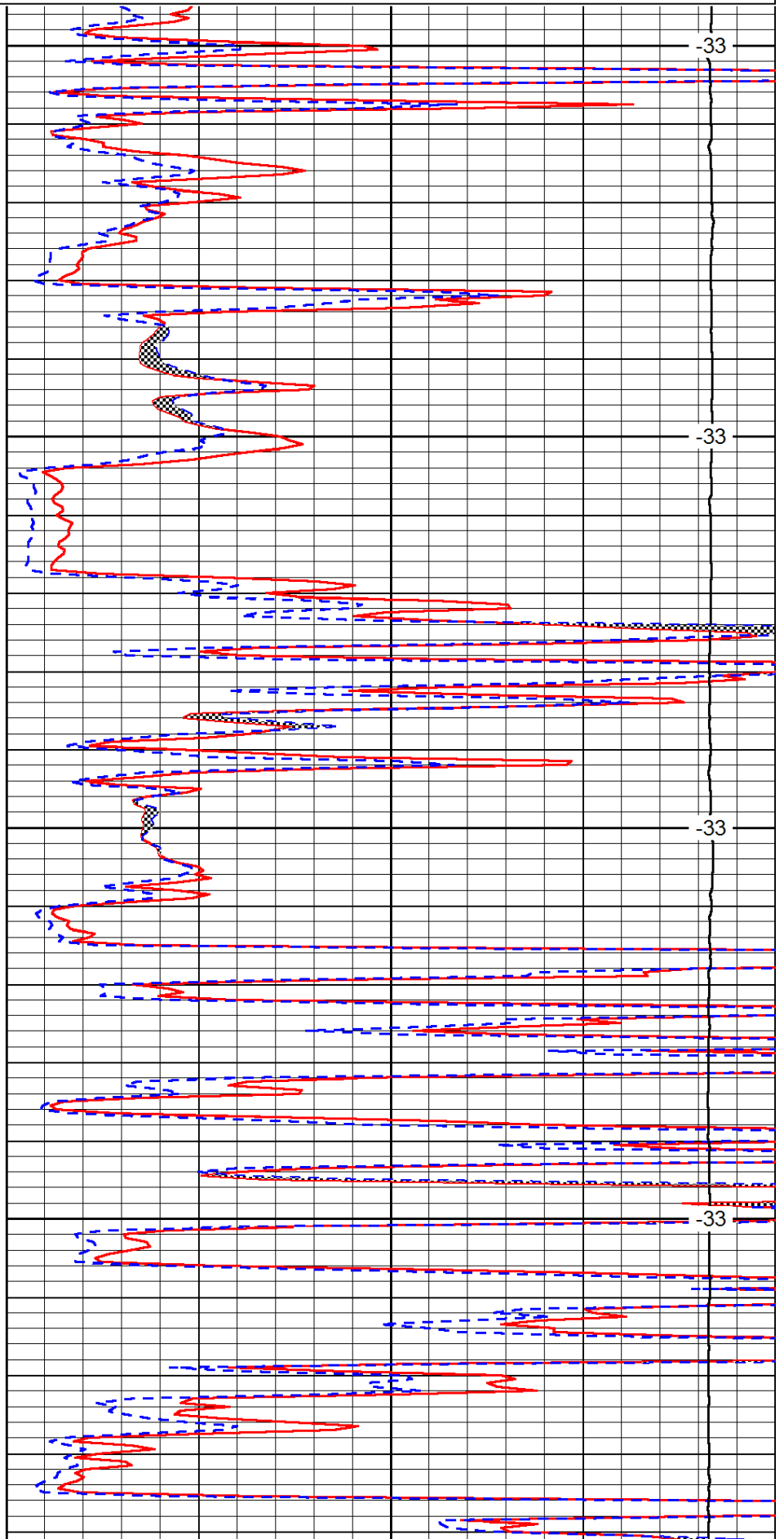
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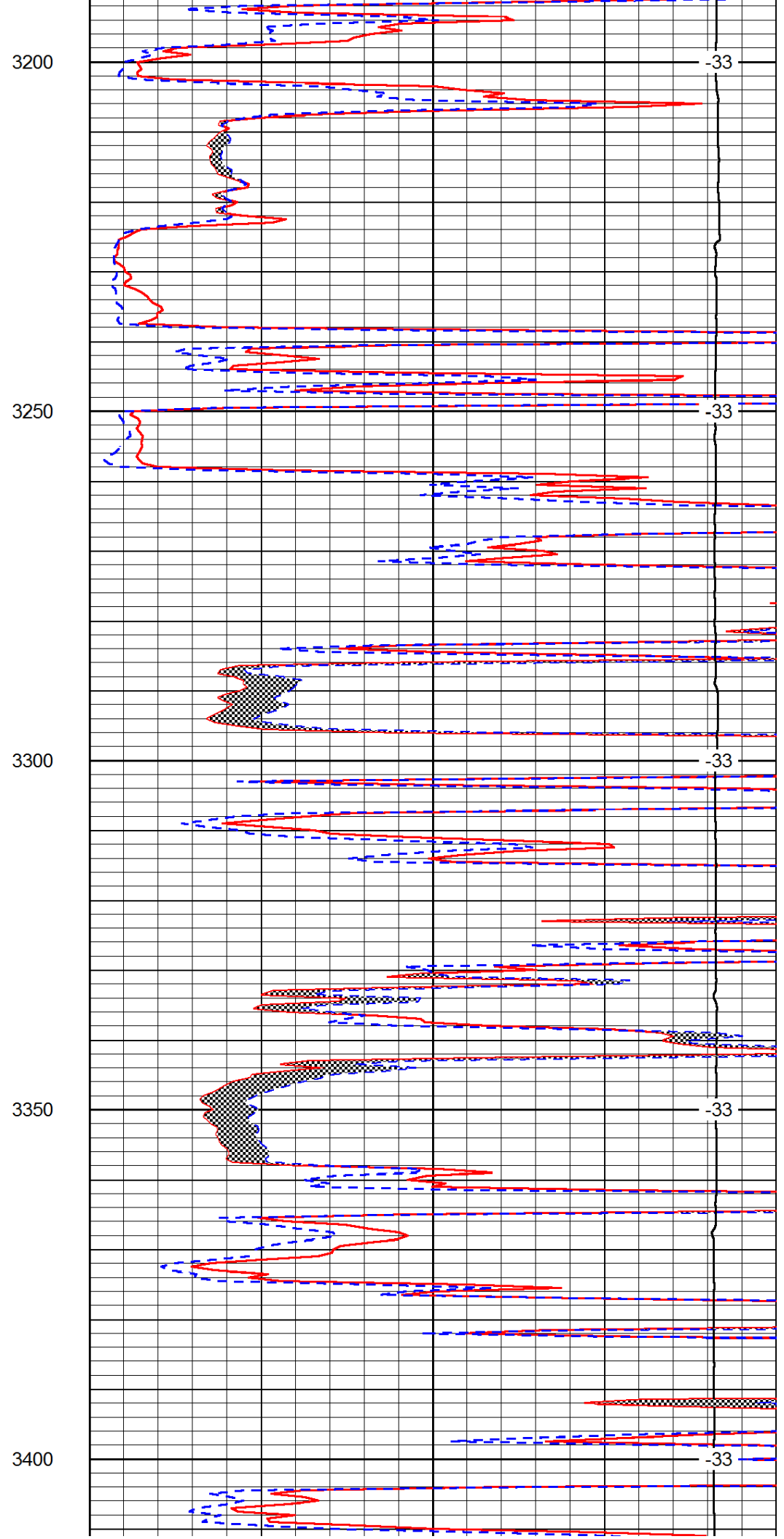
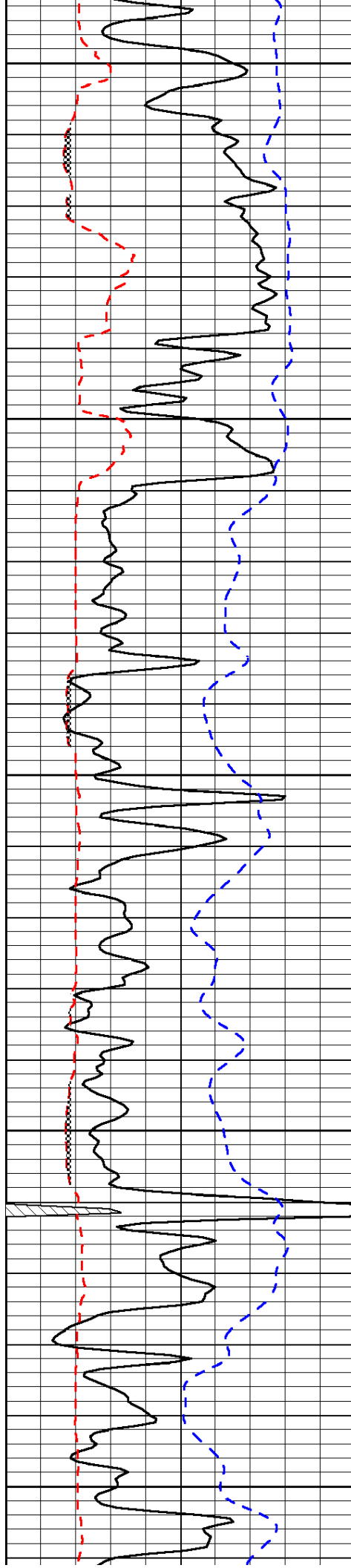
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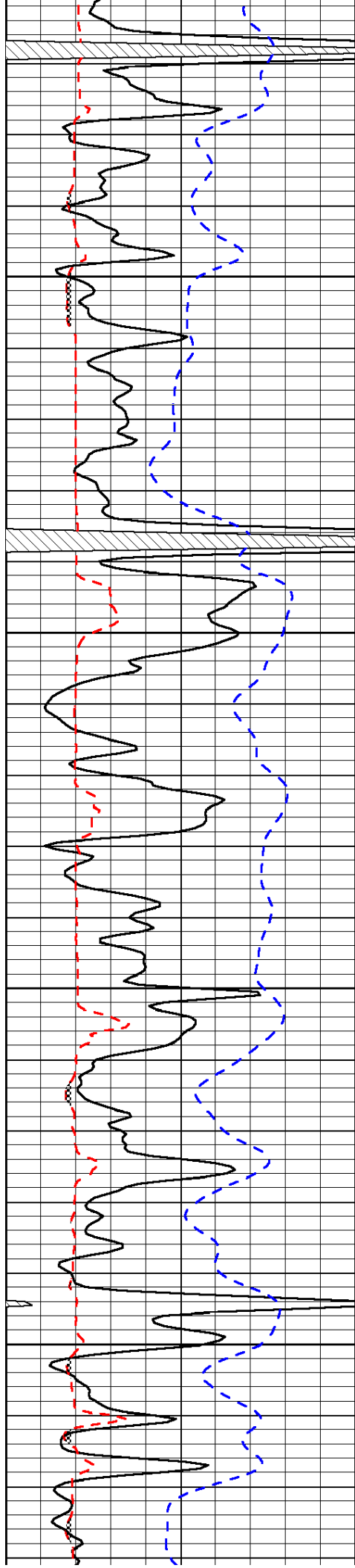
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0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD





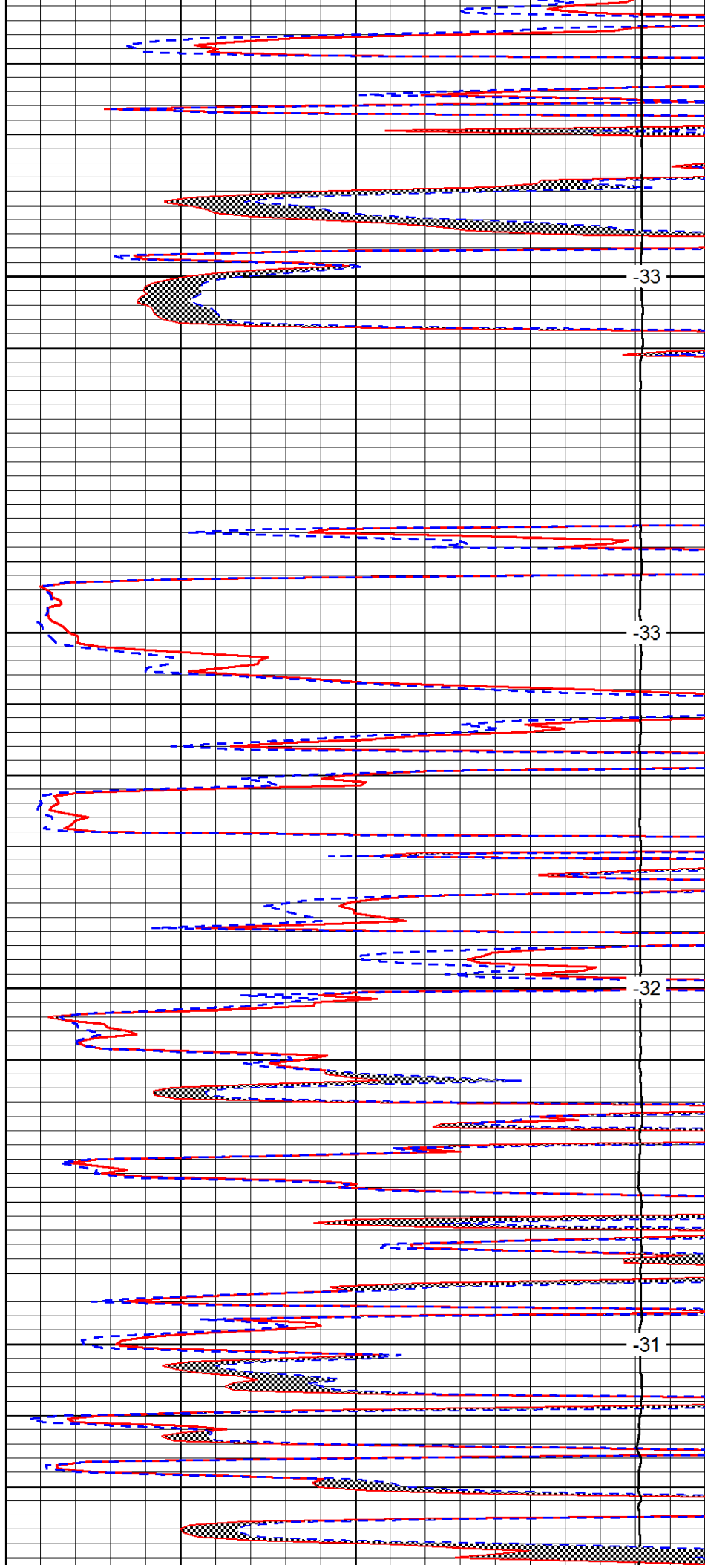


3450

3500

3550

3600

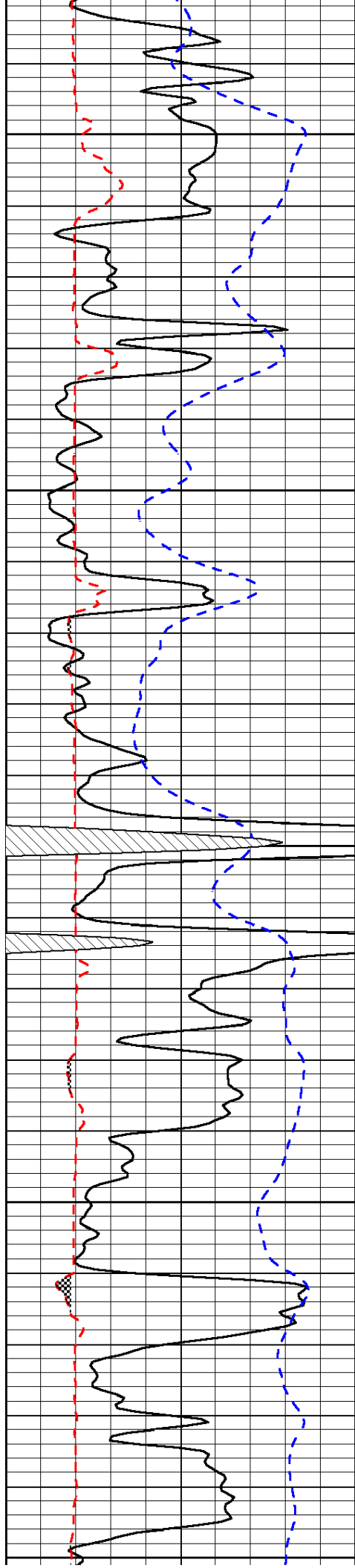


-33

-33

-32

-31



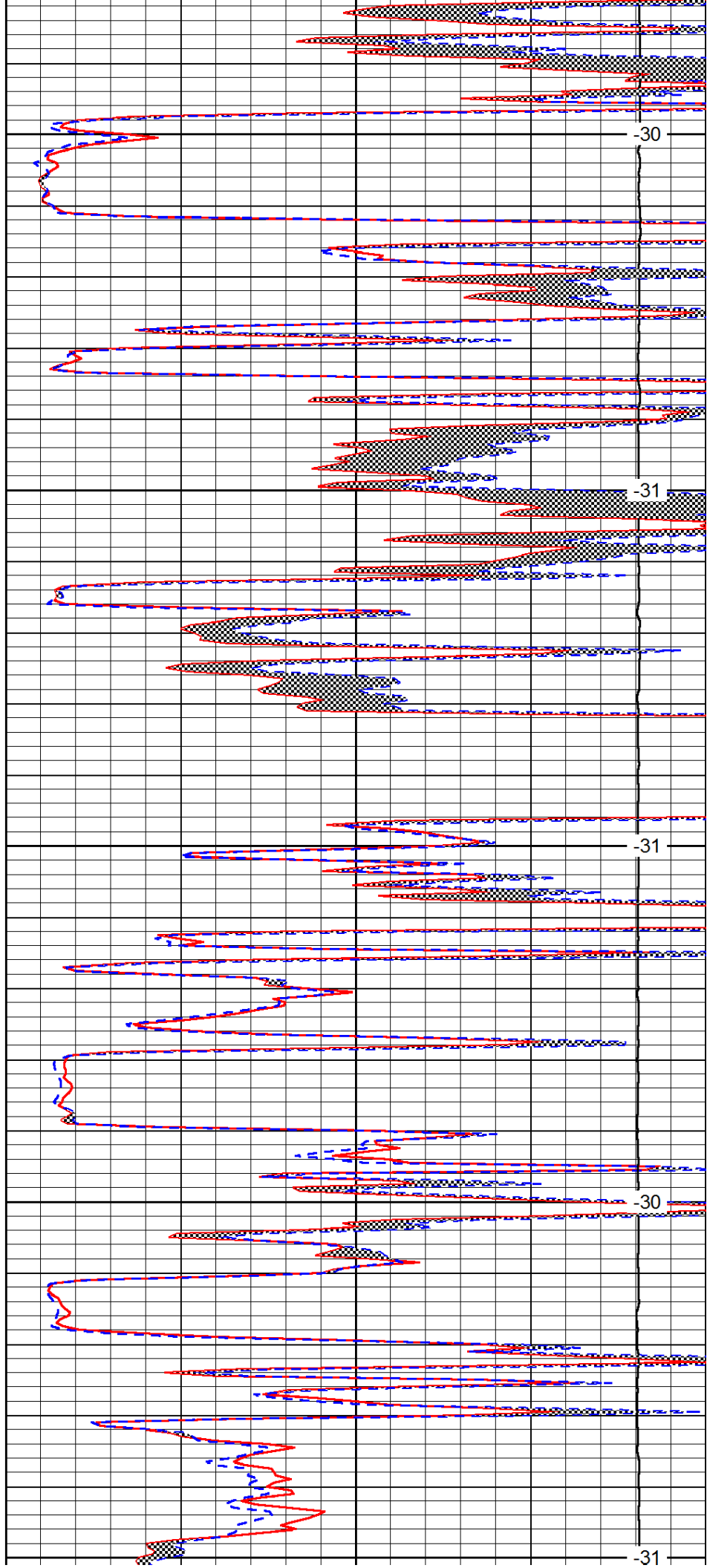
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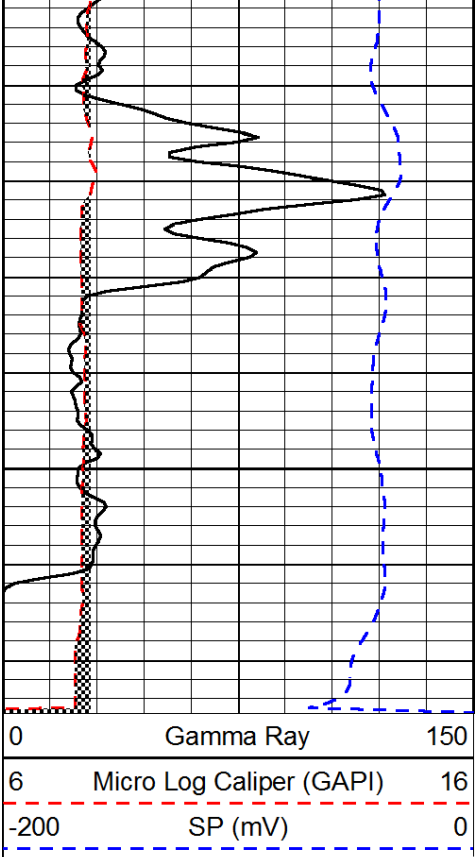
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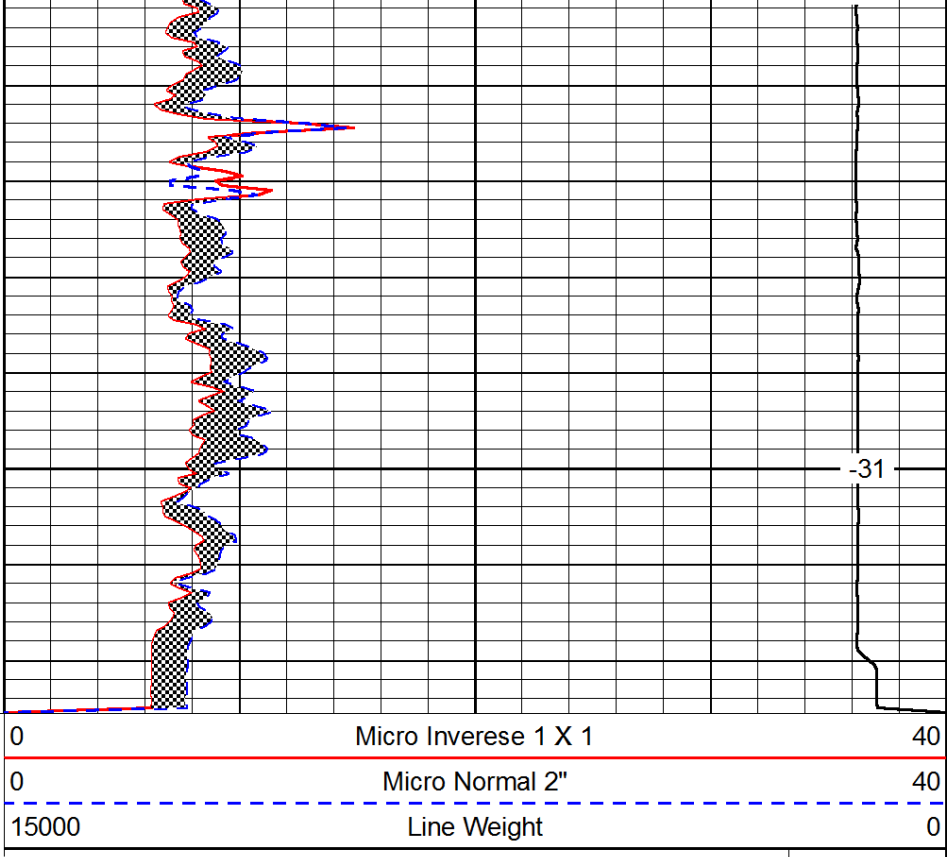
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3900



-31

LSPD