



Microresistivity Log

Pioneer Energy Services

API No.

15-053-20985-00-02

Company LB Exploration, Inc.

Well Petermann 28 #1

Field Unnamed

County Ellsworth State

Kansas

Location

1420' FSL & 430' FEL

Other Services
CNL/CDL
DIL

Sec: 28

Twp: 17S

Rge: 10W

Elevation

Permanent Datum Ground Level

Elevation 1829

Log Measured From Kelly Bushing

13 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 1842
D.F. 1829
G.L. 1829

Date

8/22/2013

Run Number

Two

Depth Driller

3600

Depth Logger

3598

Bottom Logged Interval

3597

Top Log Interval

2400

Casing Driller

8.625 @ 304

Casing Logger

310

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

4000

Density / Viscosity

9.2 52

pH / Fluid Loss

9.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

1.30 @ 78

Rmf @ Meas. Temp

0.98 @ 78

Rmc @ Meas. Temp

1.76 @ 78

Source of Rmf / Rmc

Charts

Rm @ BHT

0.89 @ 114

Operating Rig Time

4 Hours

Max Rec. Temp. F

114

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Steven Petermann

<<< Fold Here >>>

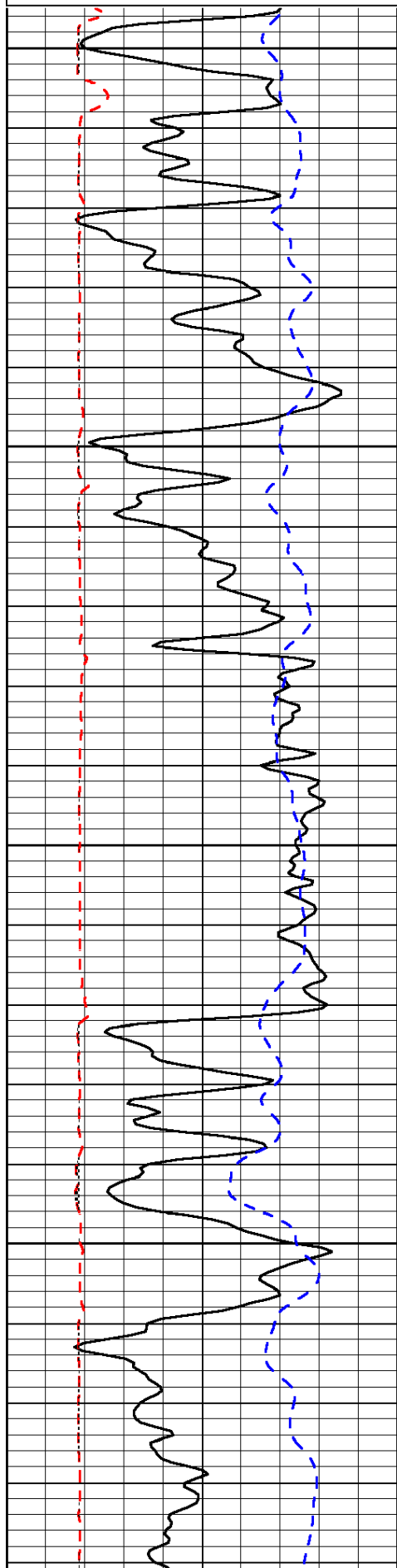
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Claflin,
East to 4th Rd, 1 1/4 North,
West into

Database File: c:\warrior\data\lb_exp_petermann 28 #1\lb_082213hd.db
Dataset Pathname: dil\lbstck
Presentation Format: micro
Dataset Creation: Thu Aug 22 07:26:02 2013
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



2400

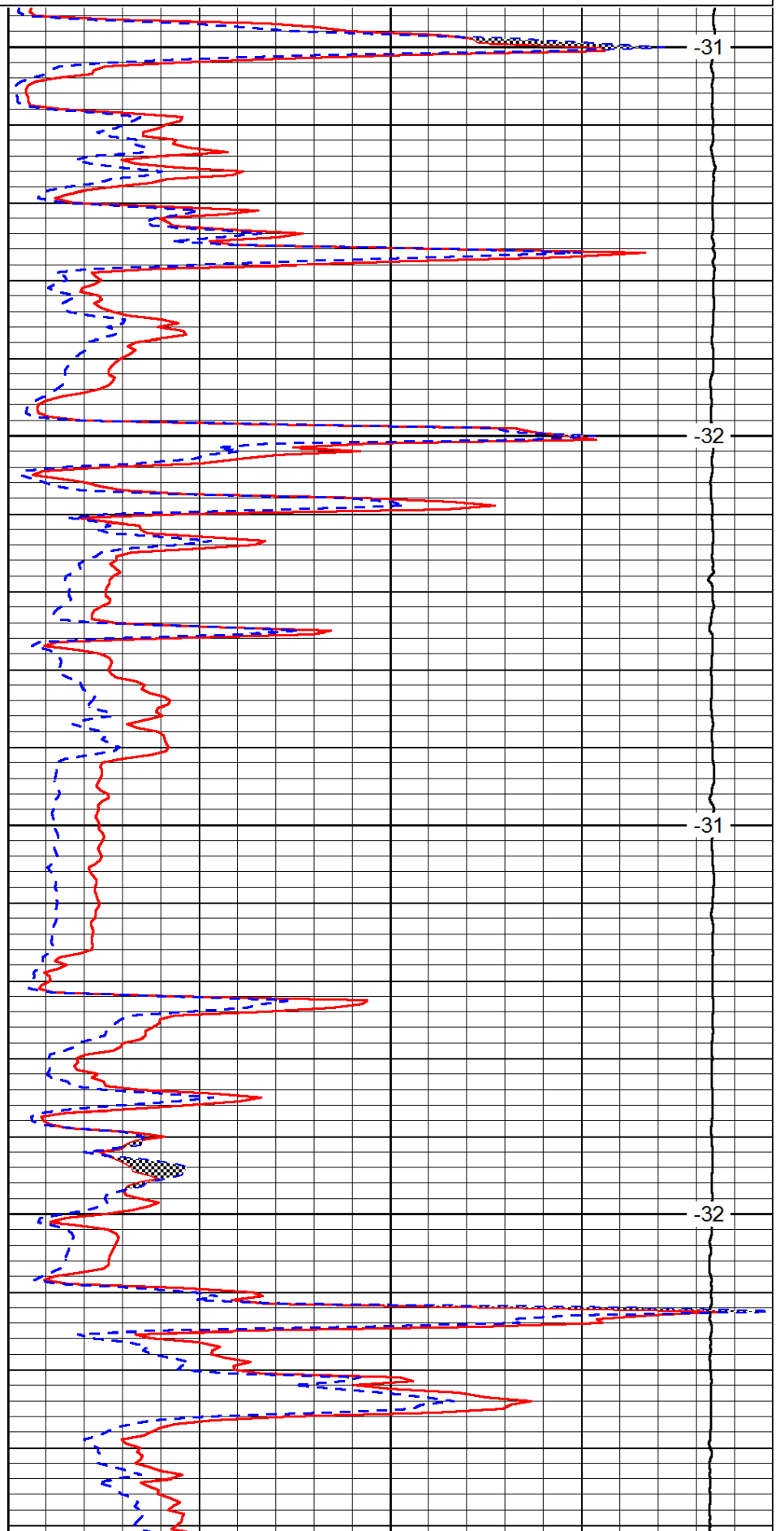
2450

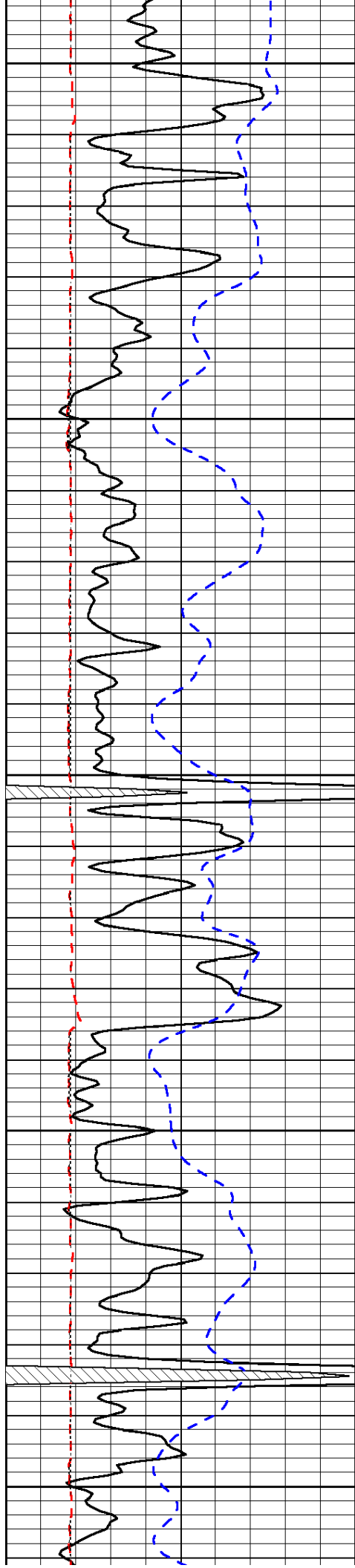
2500

2550

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

LSPD





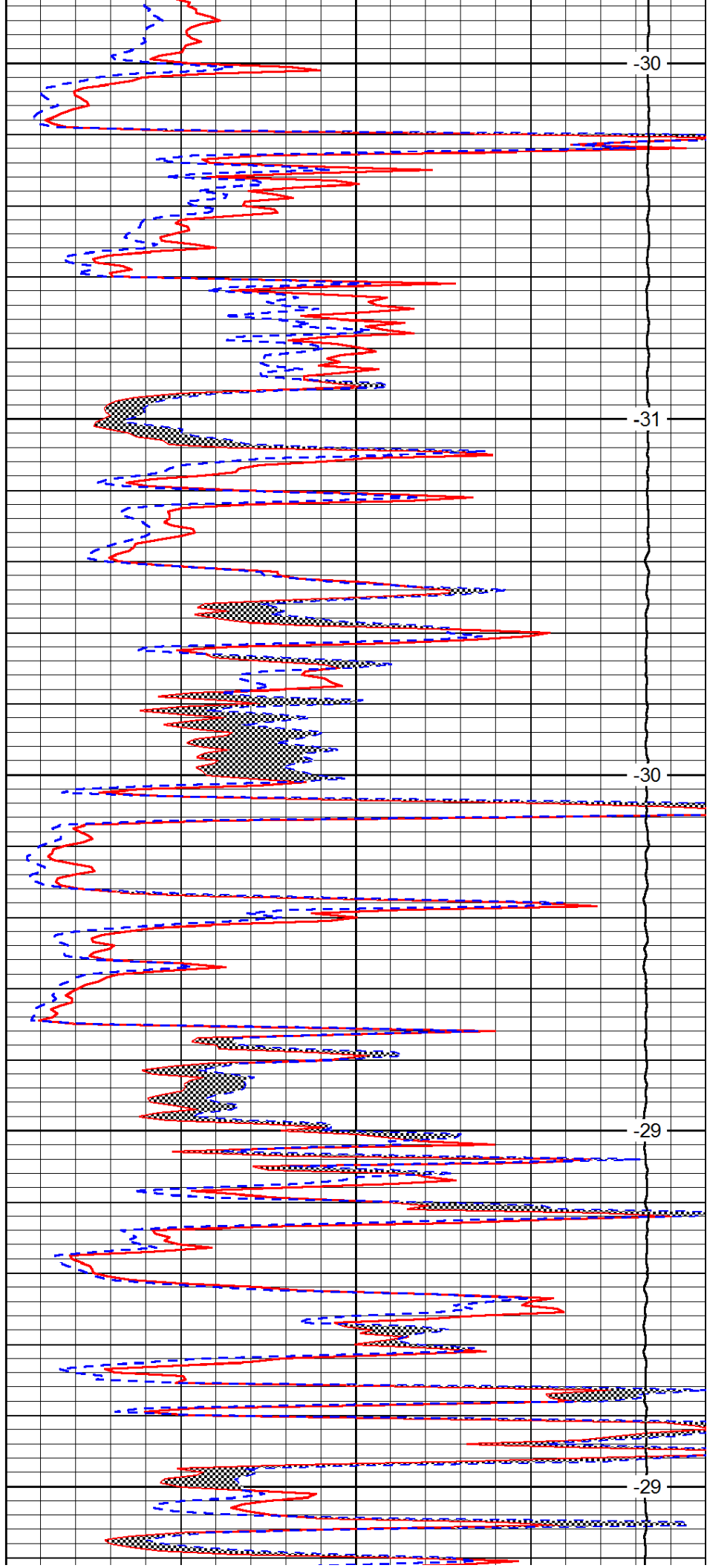
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2650

2700

2750

2800



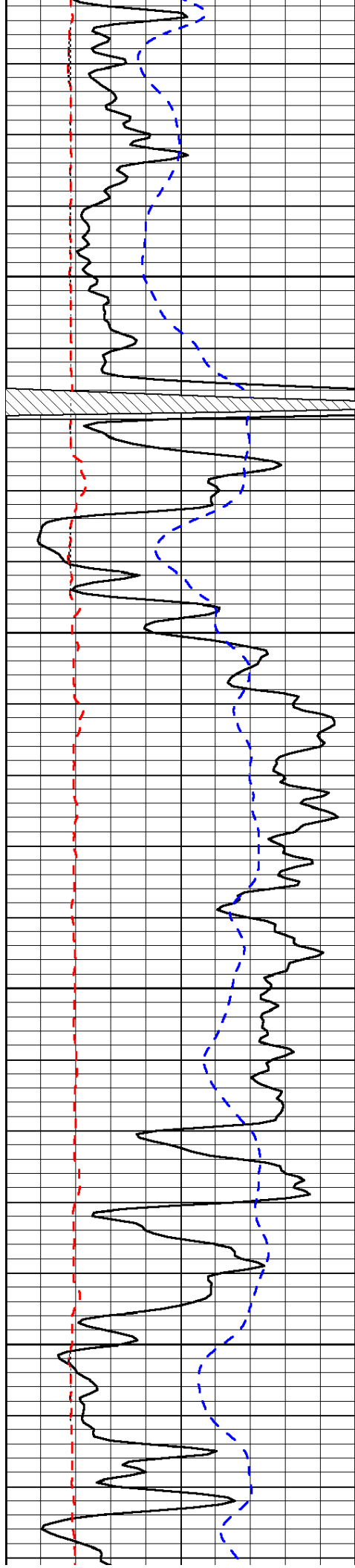
-30

-31

-30

-29

-29

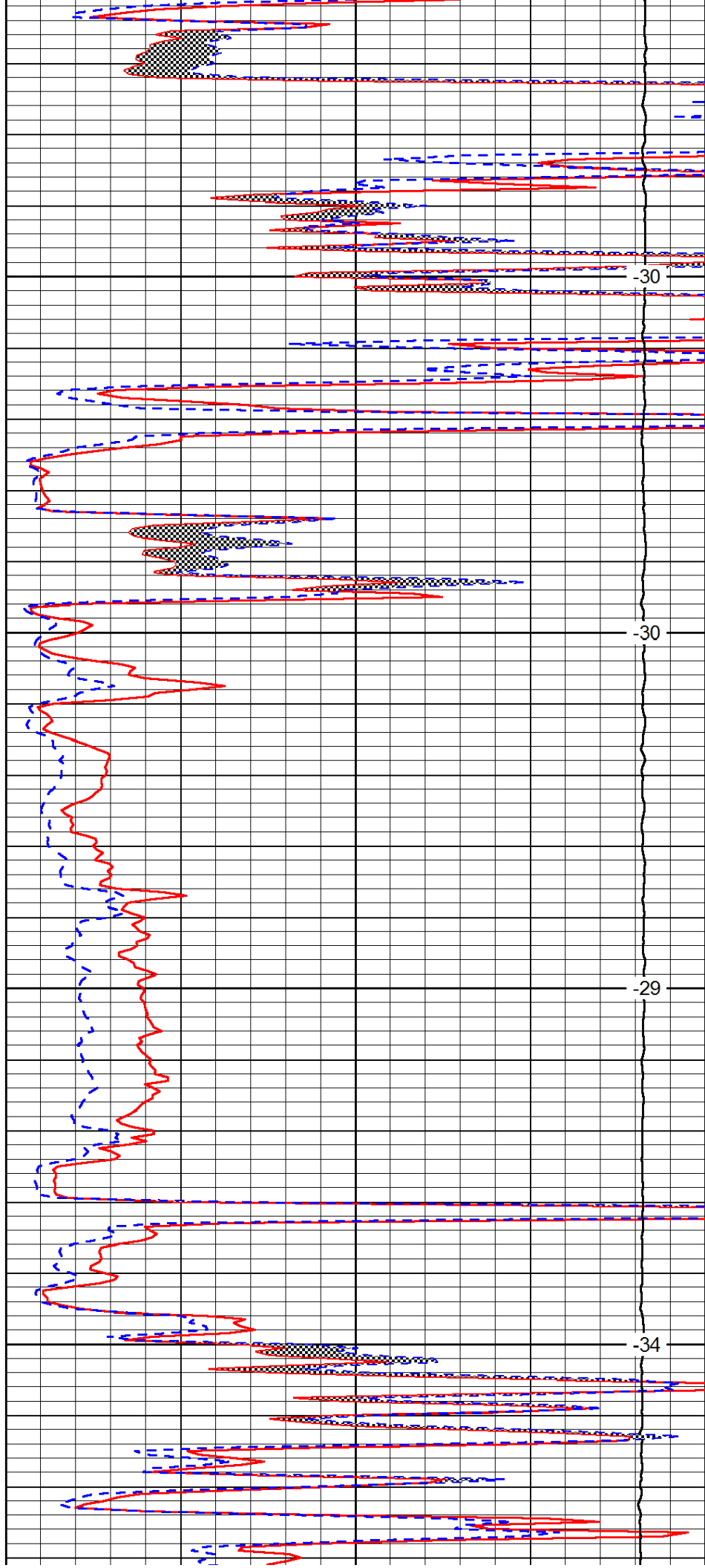


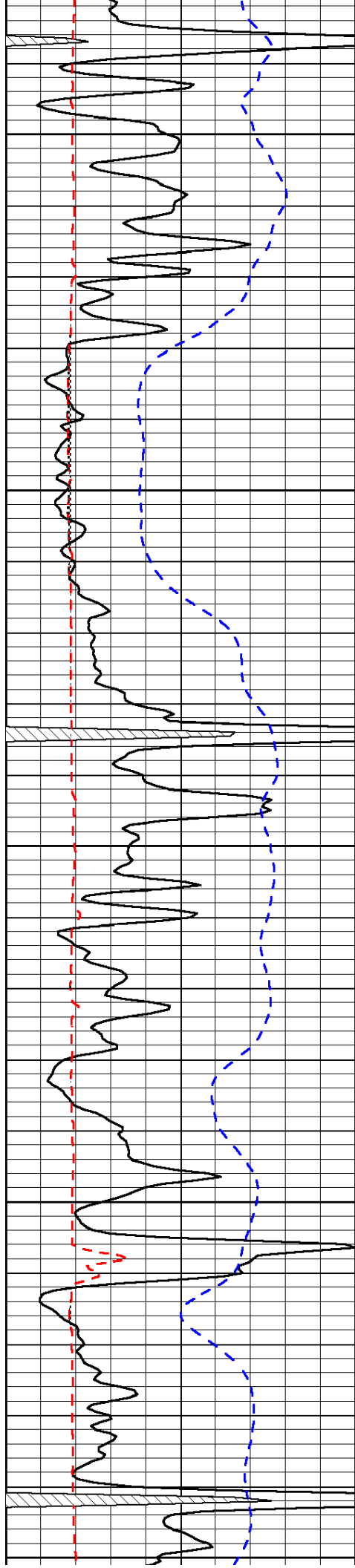
2850

2900

2950

3000





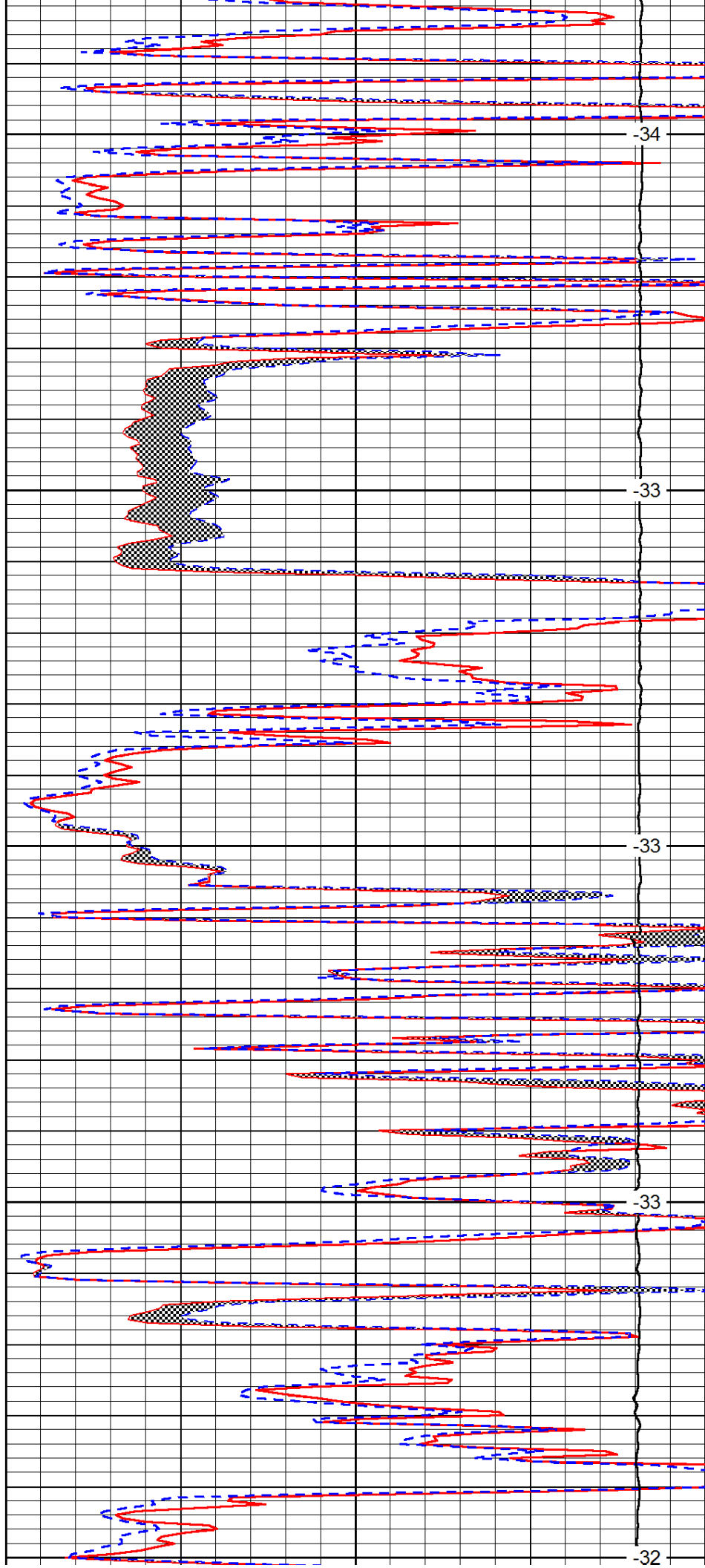
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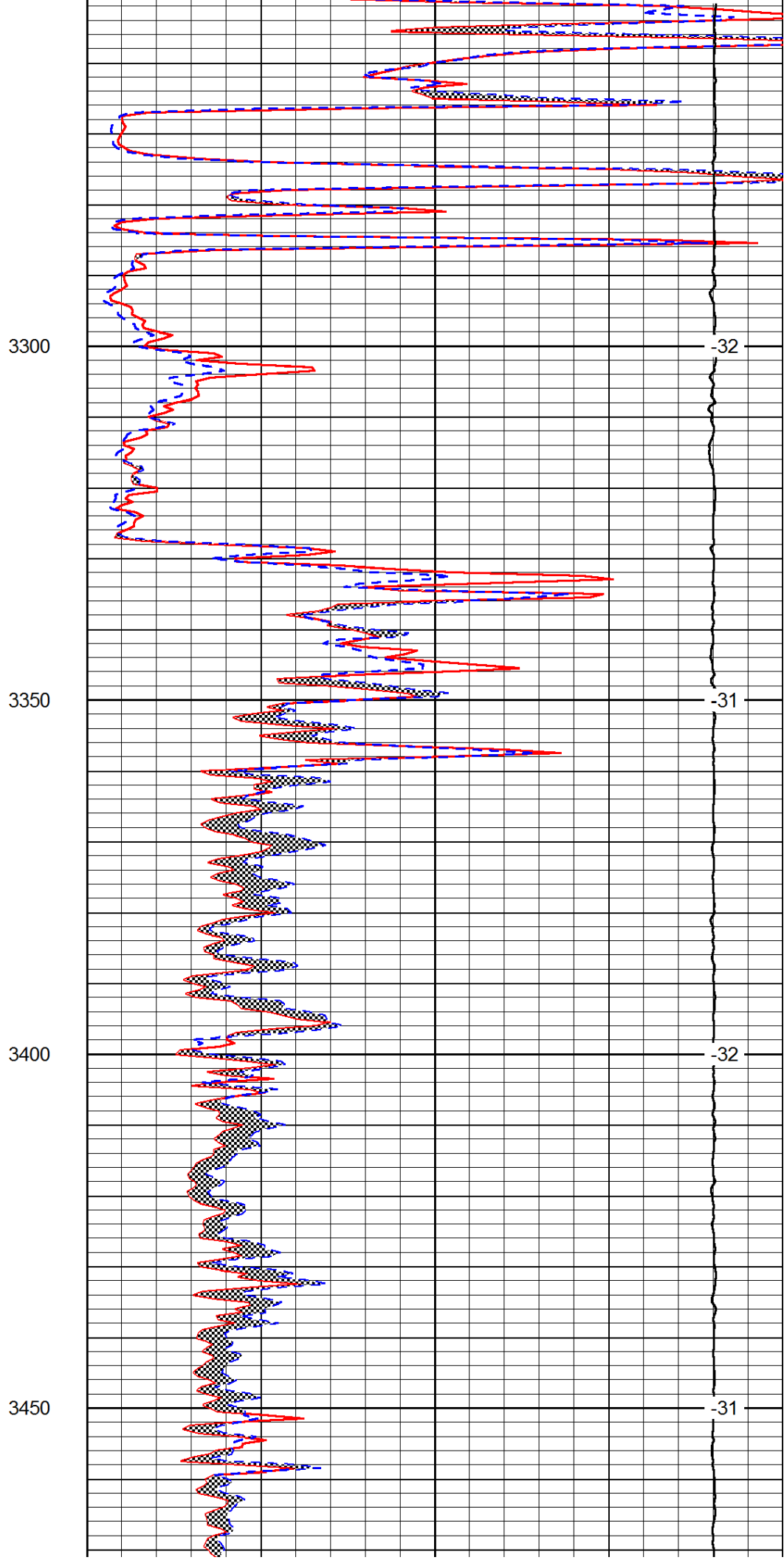
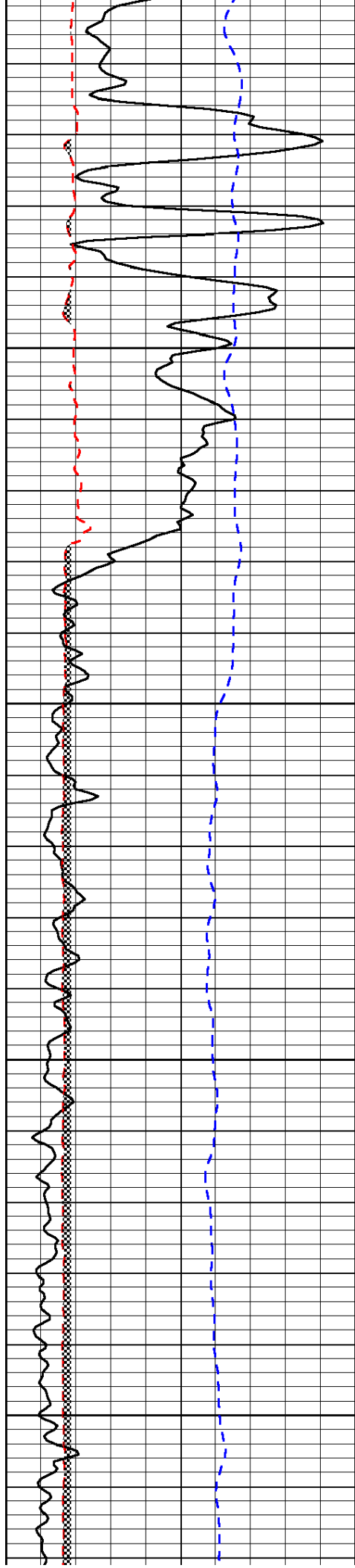
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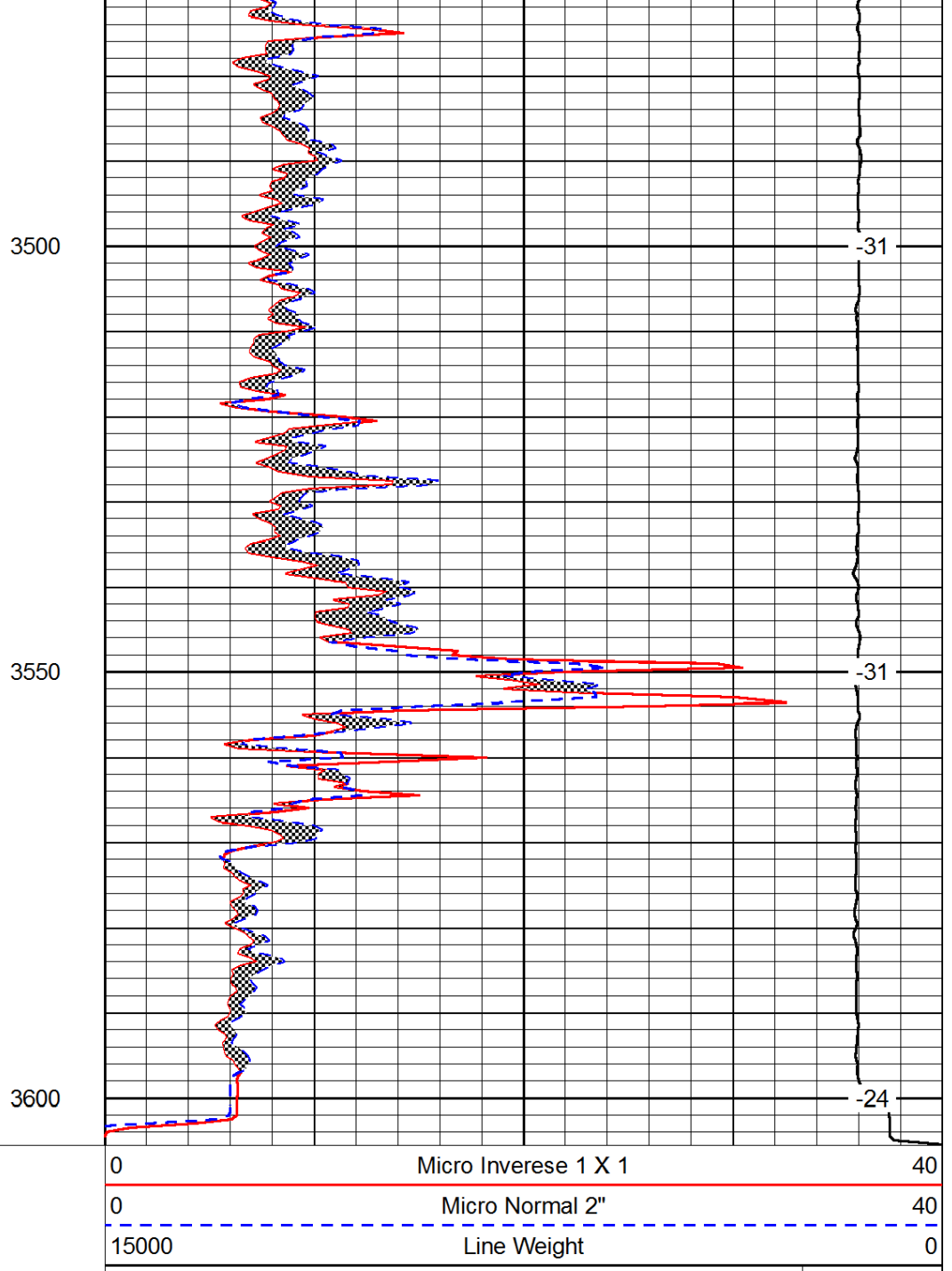
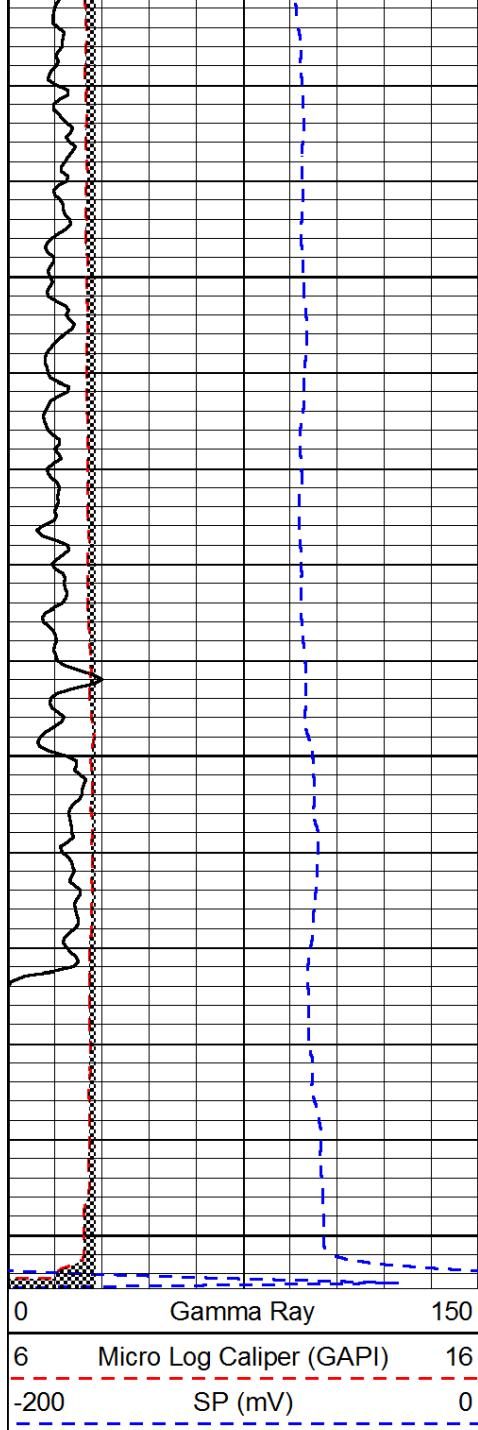
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3200

3250







LSPD