



Microresistivity Log

Pioneer Energy Services

API No.

15-167-23,934-00-00

Company **RJM Company**

Well **Concept Commercial #1**

Field **Trapp**

County **Russell**

State

Kansas

Location

1650' FNL & 330' FEL

Sec: **15**

Twp: **15S**

Rge: **13W**

Other Services
CNL/CDL
DIL/BHCS

Elevation

K.B. 1840
D.F. 1832
G.L. 1832

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
From Kelly Bushing

Elevation 1832
8 Ft. Above Perm. Datum

Date

1/9/2014

Run Number

Two

Depth Driller

3350

Depth Logger

3347

Bottom Logged Interval

3346

Top Log Interval

2200

Casing Driller

8.625 @ 404

Casing Logger

392

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

5000

Density / Viscosity

9.5 55
9.0 7.2

pH / Fluid Loss

Flowline

Source of Sample

0.67 @ 60

Rm @ Meas. Temp

0.50 @ 60

Rmf @ Meas. Temp

0.90 @ 60

Rmc @ Meas. Temp

Charts

Source of Rmf / Rmc

0.37 @ 110

Rm @ BHT

4 1/2 Hours

Operating Rig Time

110

Max Rec. Temp. F

15

Equipment Number

Hays

Location

D. Kerr

Recorded By

Clint Musgrove

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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.

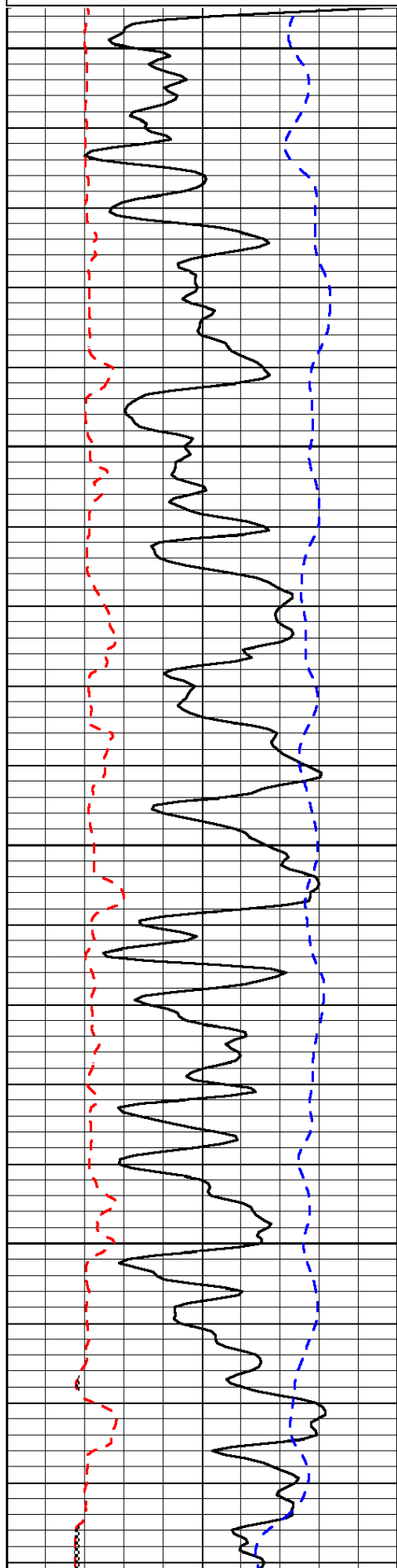
Comments

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

Russell KS, 8 South to Winterset RD,
5 1/2 East, 1/2 North, West Into

Database File: c:\warrior\data\rjm_concept commercial #1\rjm_conceptcommercial_1hd.db
Dataset Pathname: DIL\rjmstk
Presentation Format: micro
Dataset Creation: Thu Jan 09 20:09:10 2014
Charted by: Depth in Feet scaled 1:240

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

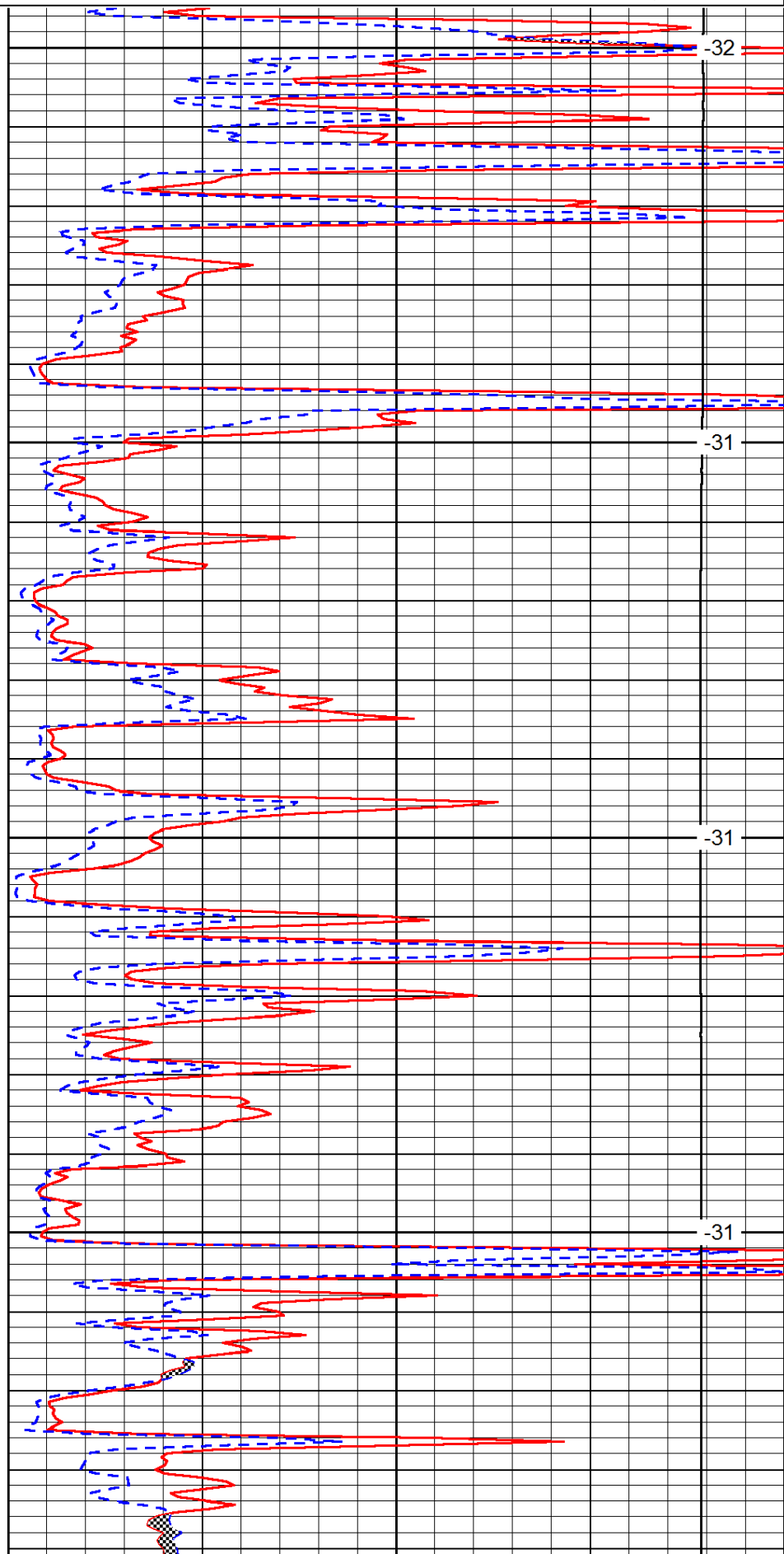


2200

2250

2300

2350



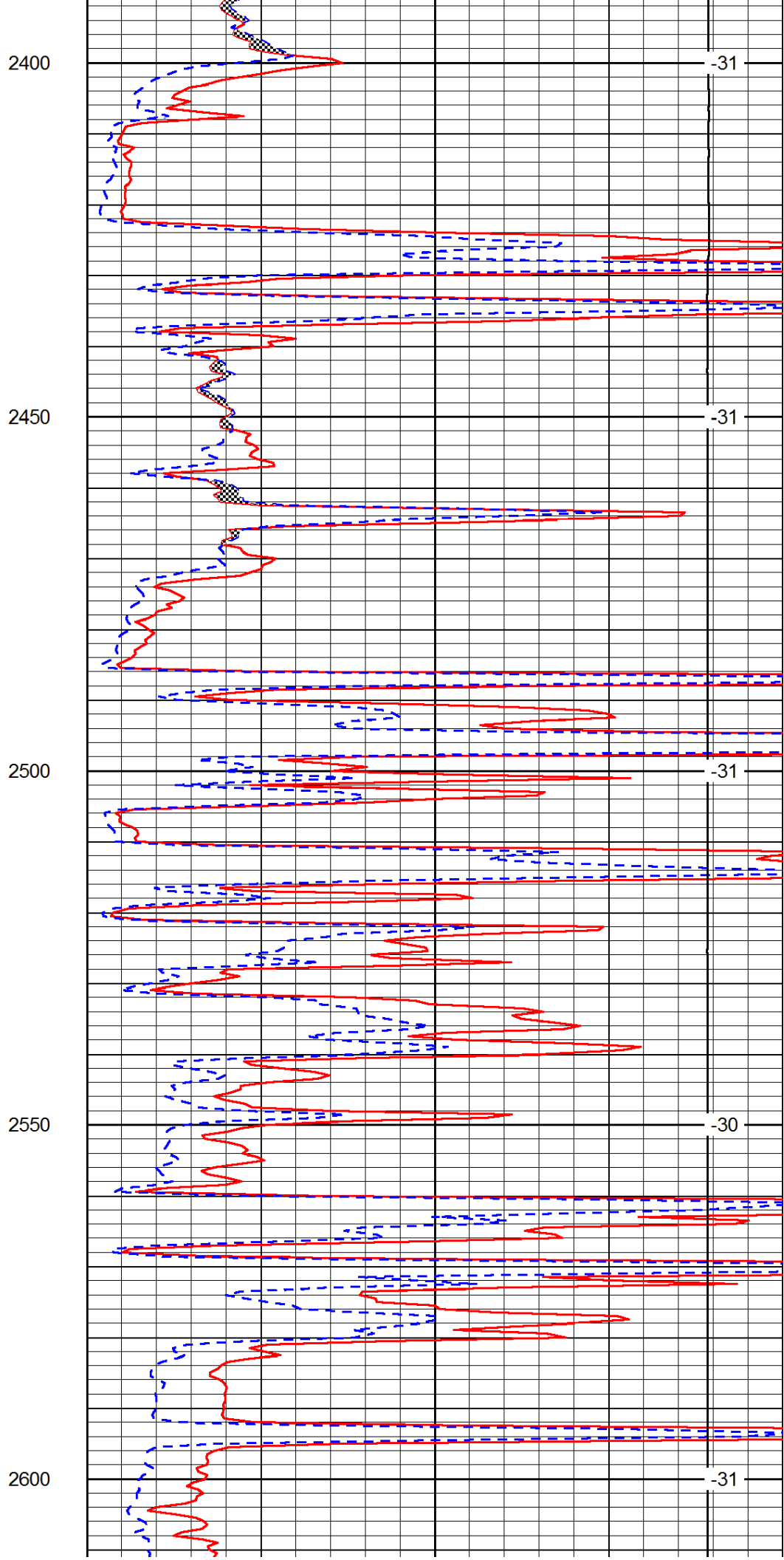
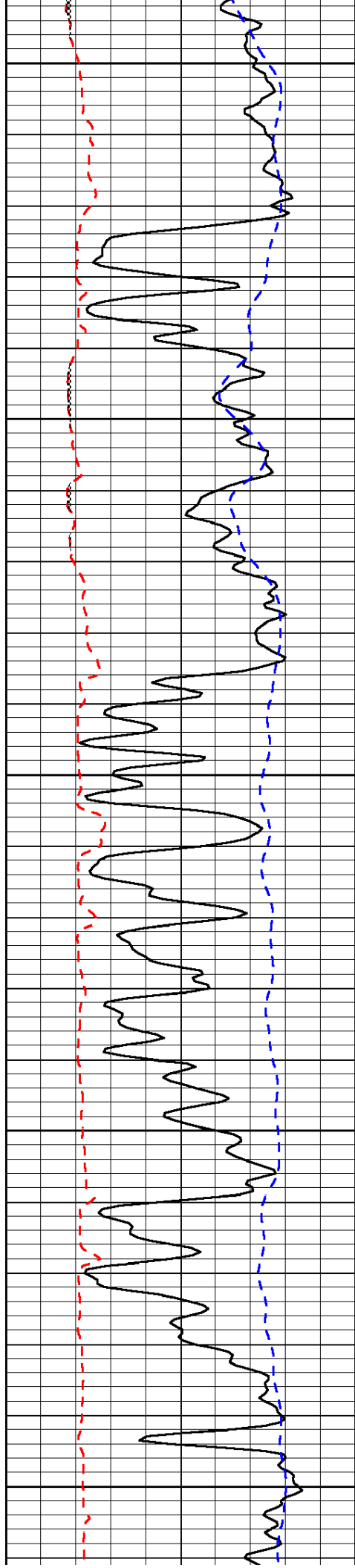
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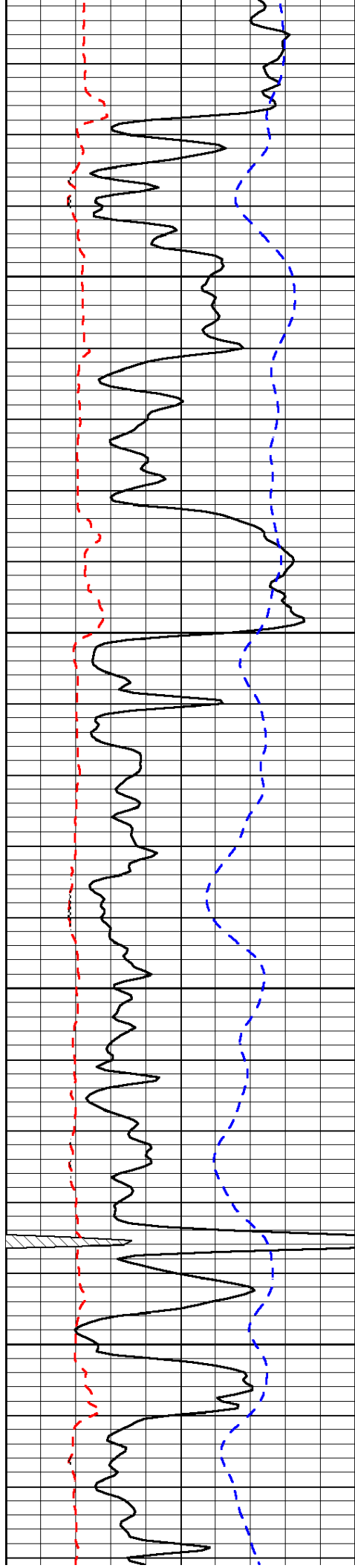
-31

-31

-31

LSPD



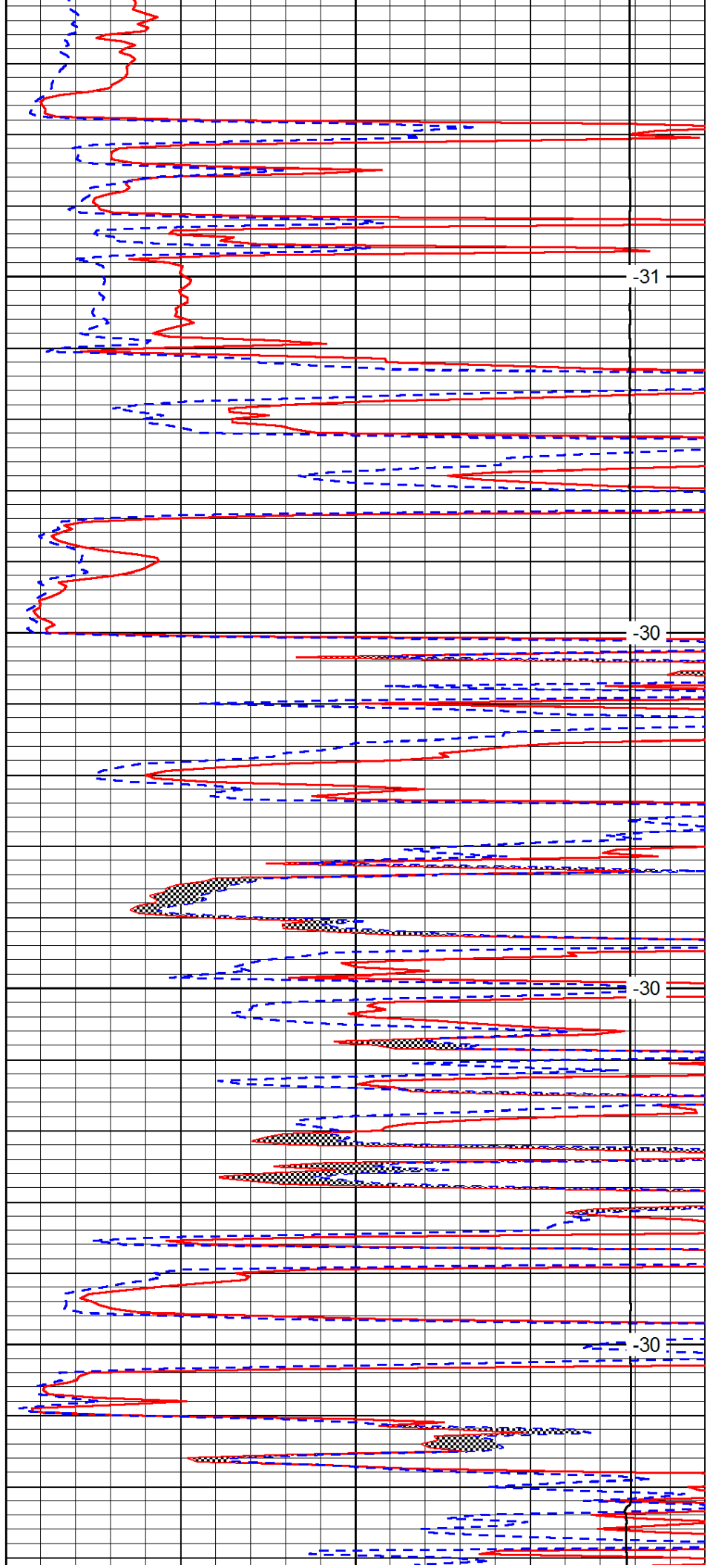


2650

2700

2750

2800

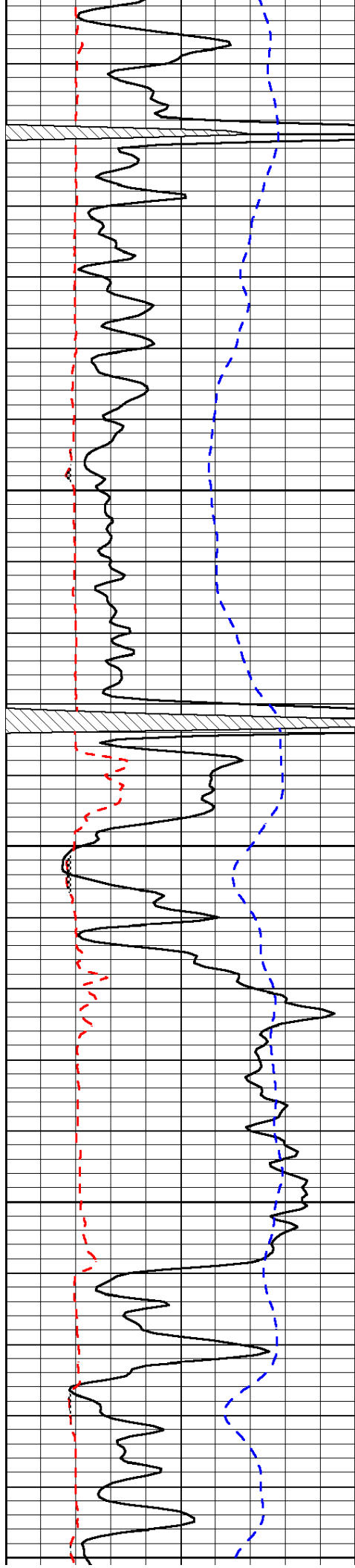


-31

-30

-30

-30



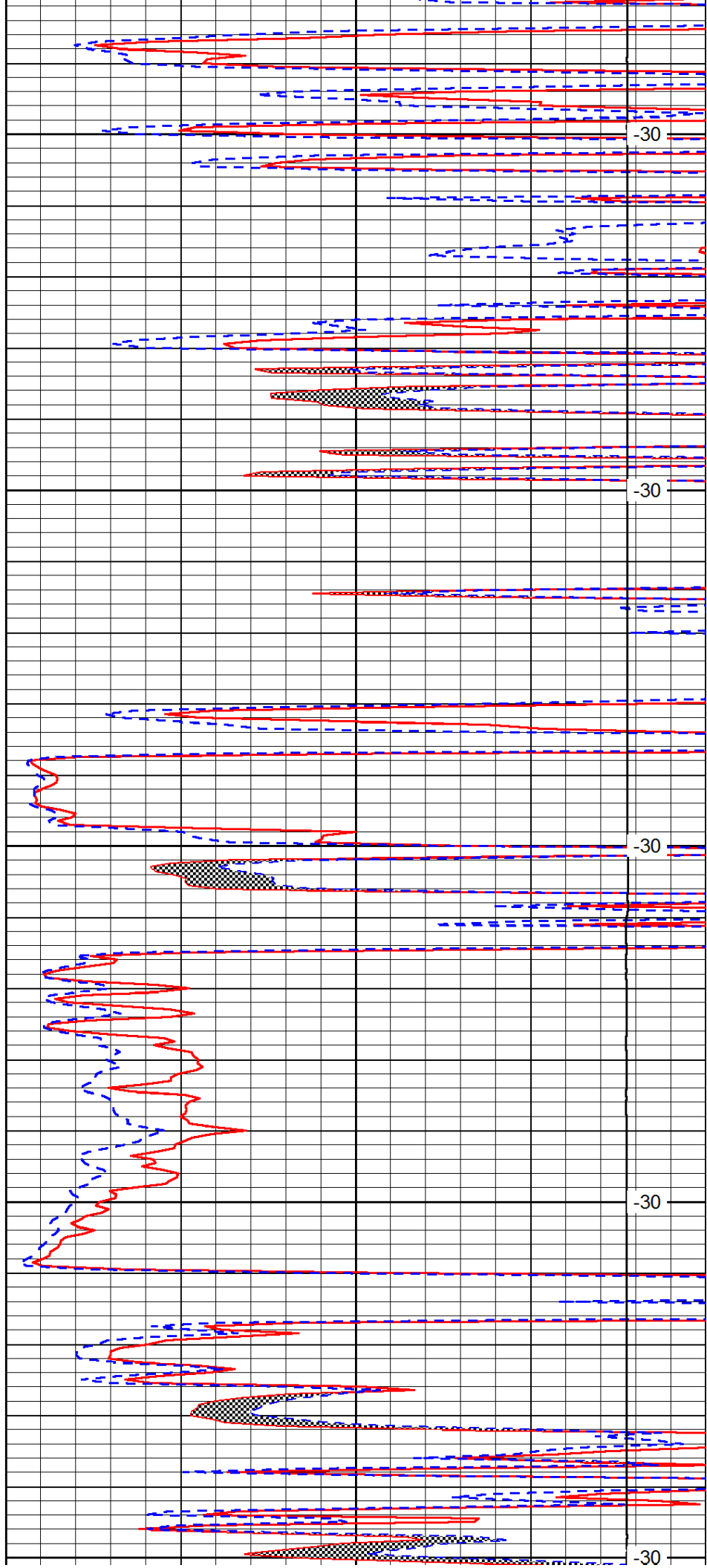
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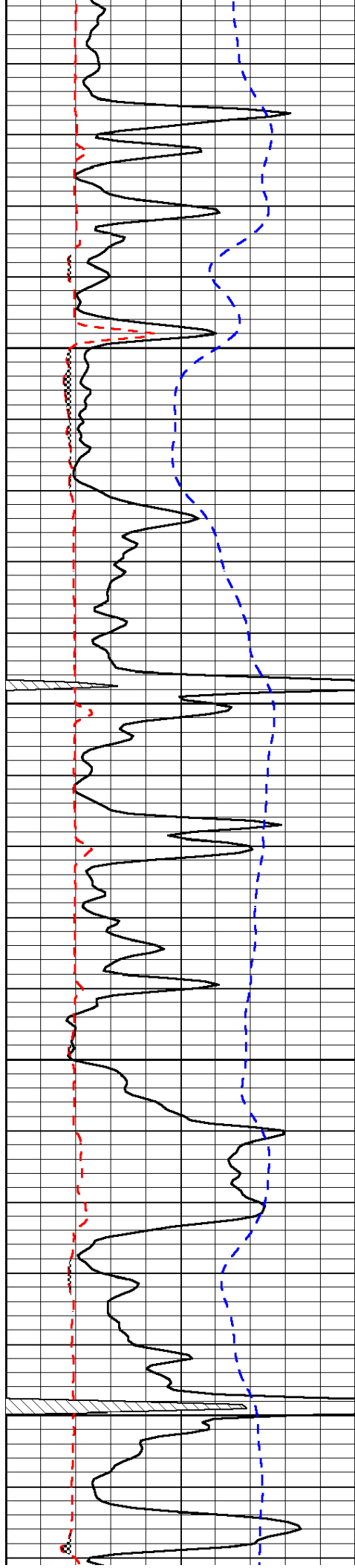
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2950

3000

3050



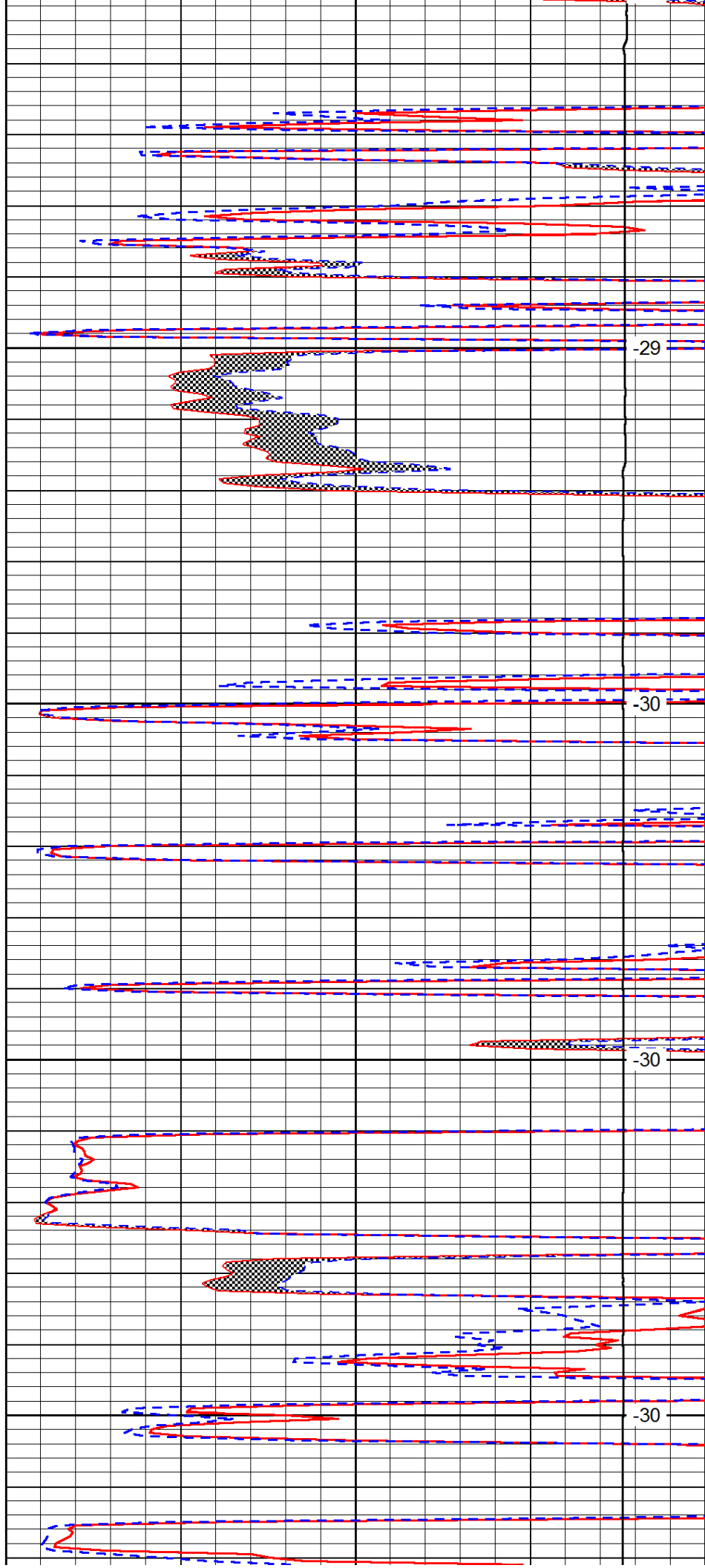


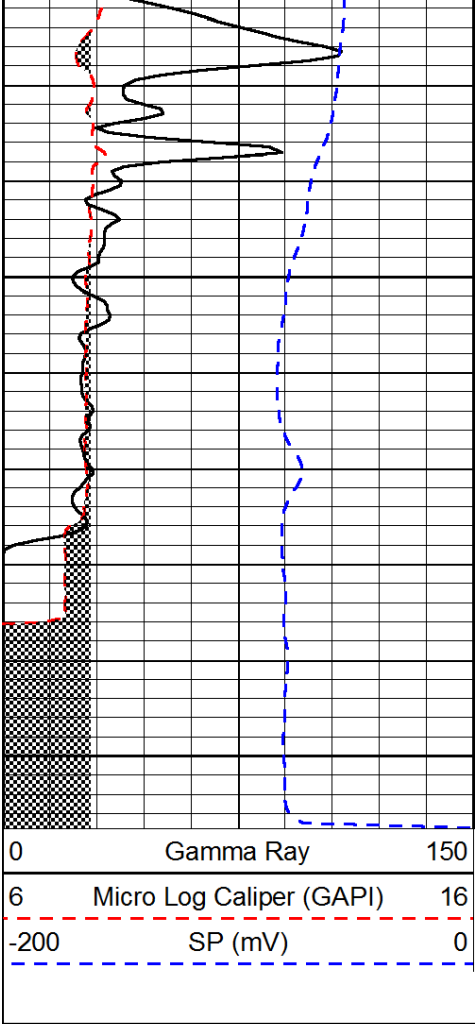
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3150

3200

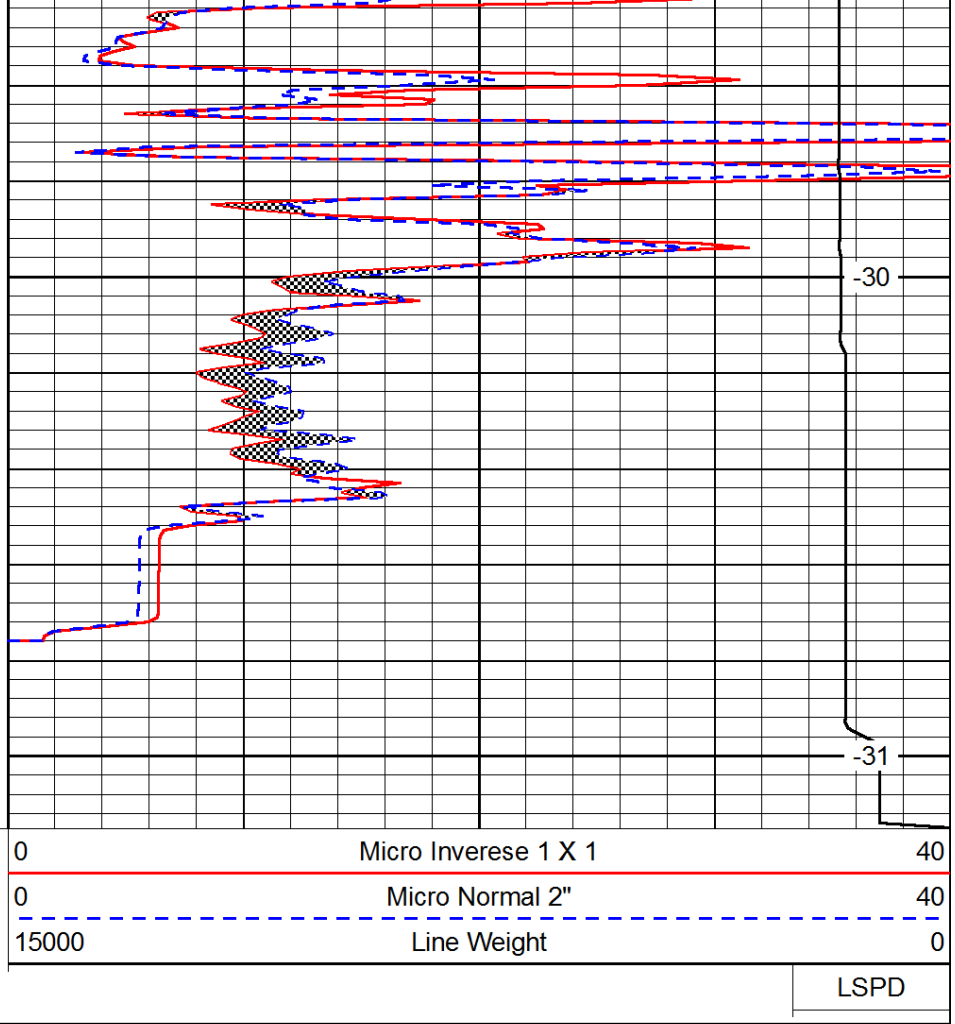
3250





3300

3350



-30

-31

LSPD