



Pioneer Energy Services

Microresistivity Log

API No.

15-009-26,071-00-00

Company **Kahan and Associates, Inc.**

Well **R Oeser #1**

Field **Kraft-Prusa**

County **Barton** State **Kansas**

Location **660' FSL & 990' FEL**

Sec: **29** Twp: **16S** Rge: **11W**

Other Services
CNL/CDL
MEL

Elevation

Permanent Datum **Ground Level** Elevation **1909**
Log Measured From **Kelly Bushing** **7** Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 1916
D.F. 1909
G.L. 1909

Date

1/14/2015

Run Number

Two

Depth Driller

3365

Depth Logger

3353

Bottom Logged Interval

3352

Top Log Interval

2500

Casing Driller

8.625 @ 407

Casing Logger

405

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8700

Density / Viscosity

9.0 52

pH / Fluid Loss

10.5 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

0.45 @ 51

Rmf @ Meas. Temp

0.34 @ 51

Rmc @ Meas. Temp

0.61 @ 51

Source of Rmf / Rmc

Charts

Rm @ BHT

0.21 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

David Wilson

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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

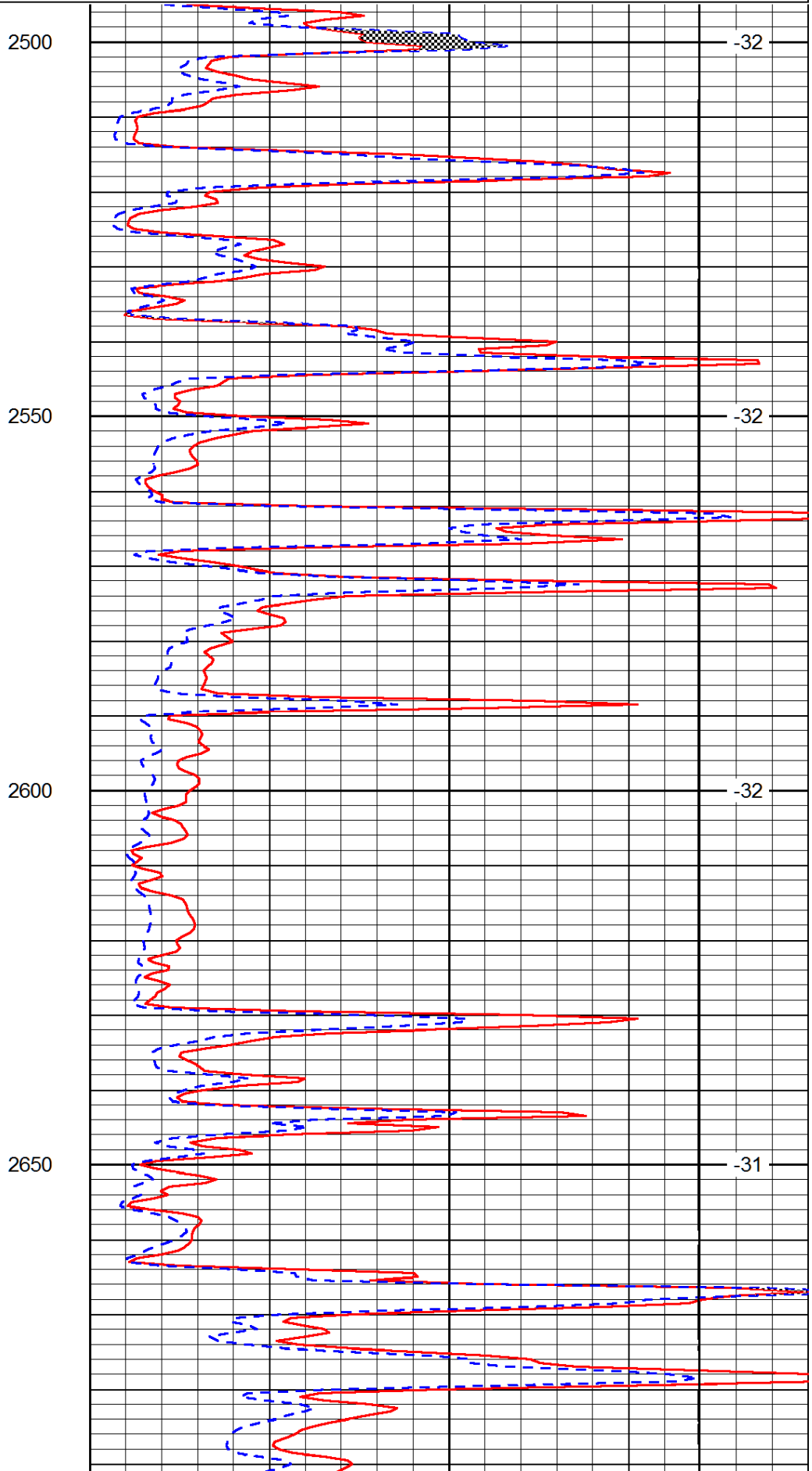
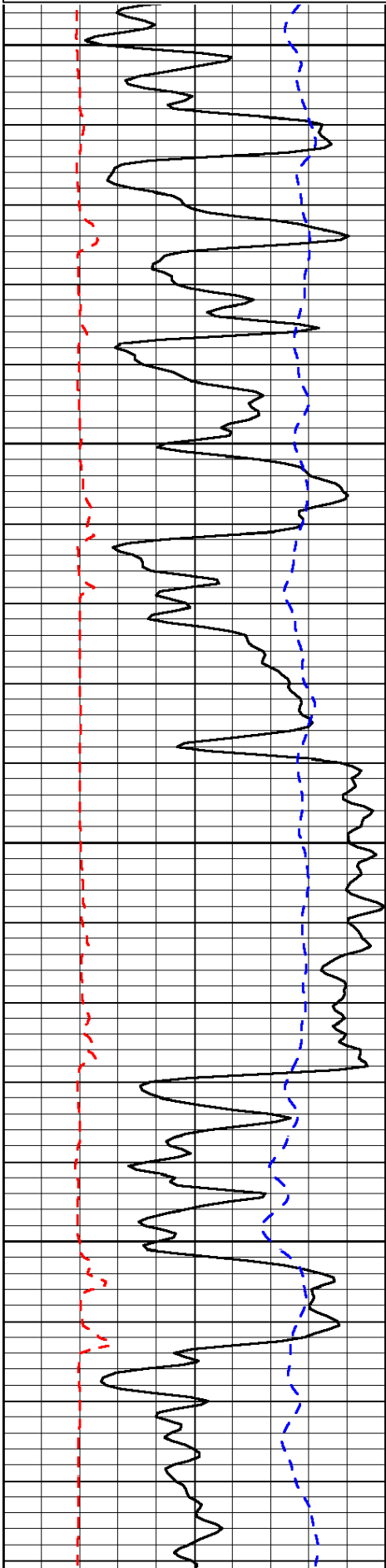
Thank you for using Log-Tech, Inc.
(785) 625-3858

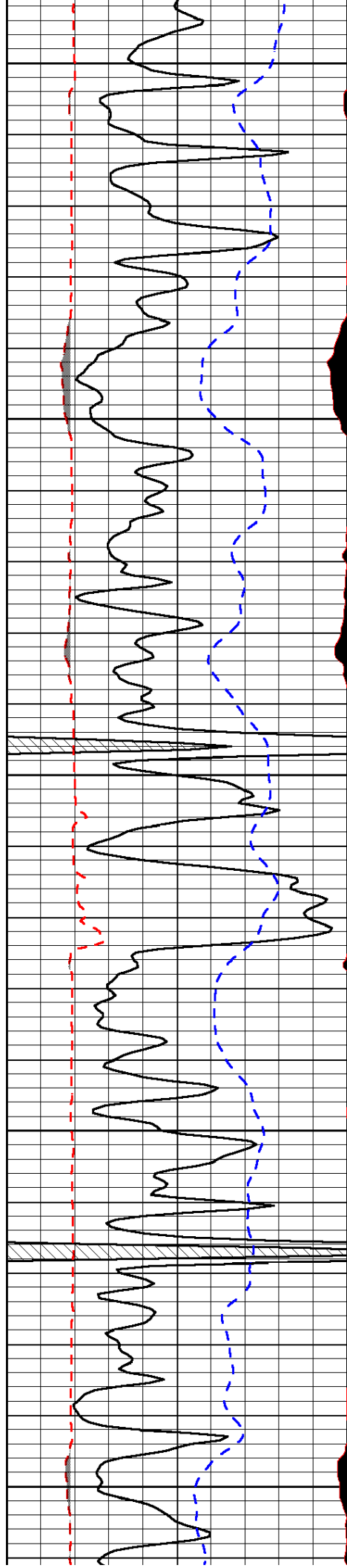
Claffin KS, 7 North, 1 1/4 West, North Into

Database File: kahan_r_oeser_1hd.db
Dataset Pathname: DIL/kahstk
Presentation Format: micro
Dataset Creation: Wed Jan 14 03:39:10 2015
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD





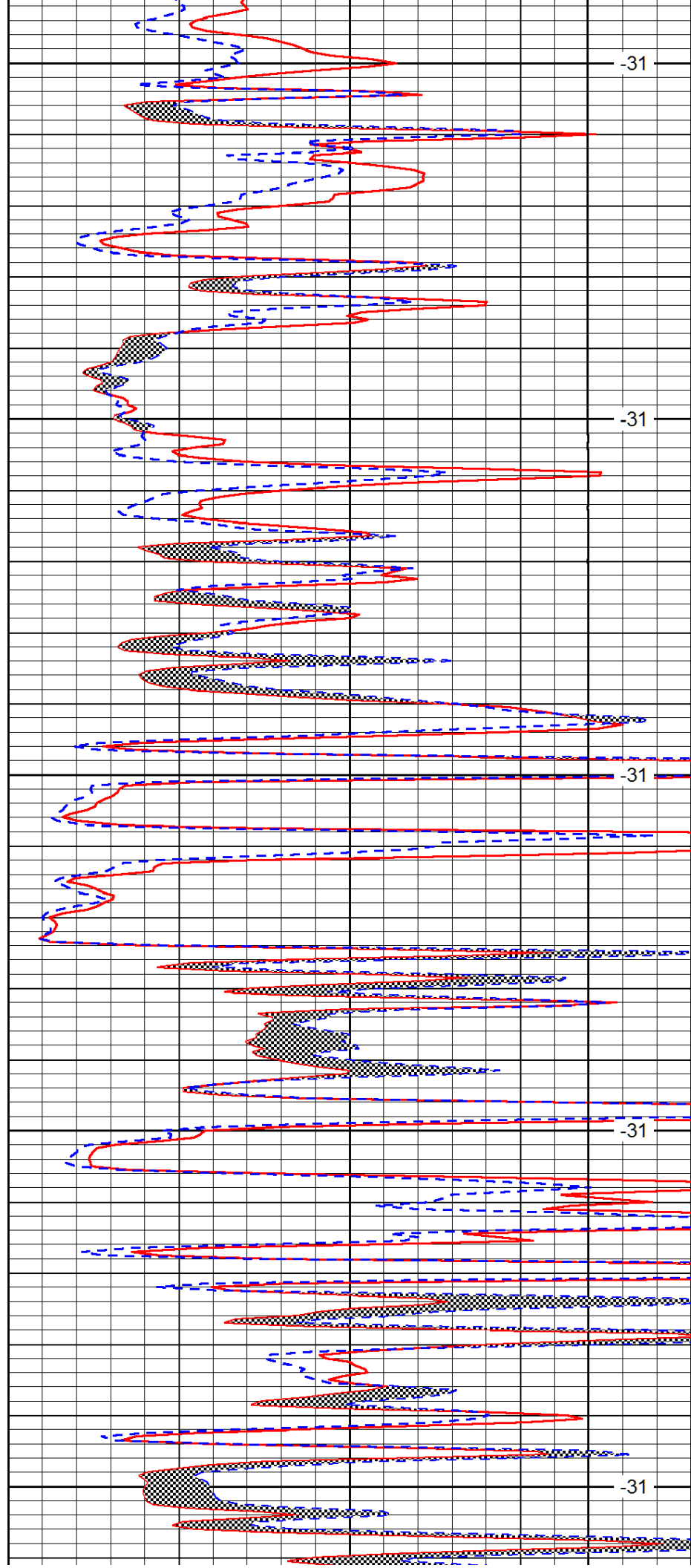
2700

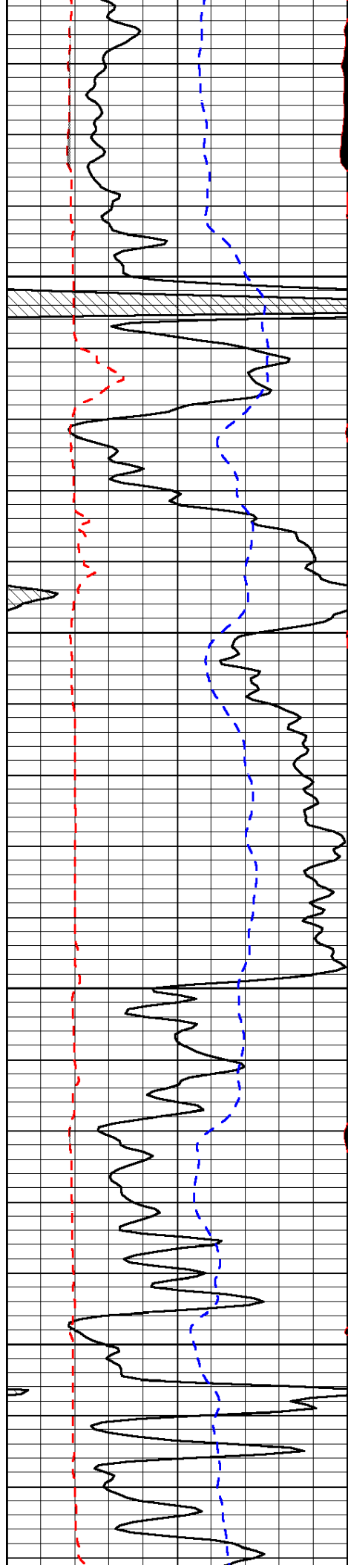
2750

2800

2850

2900



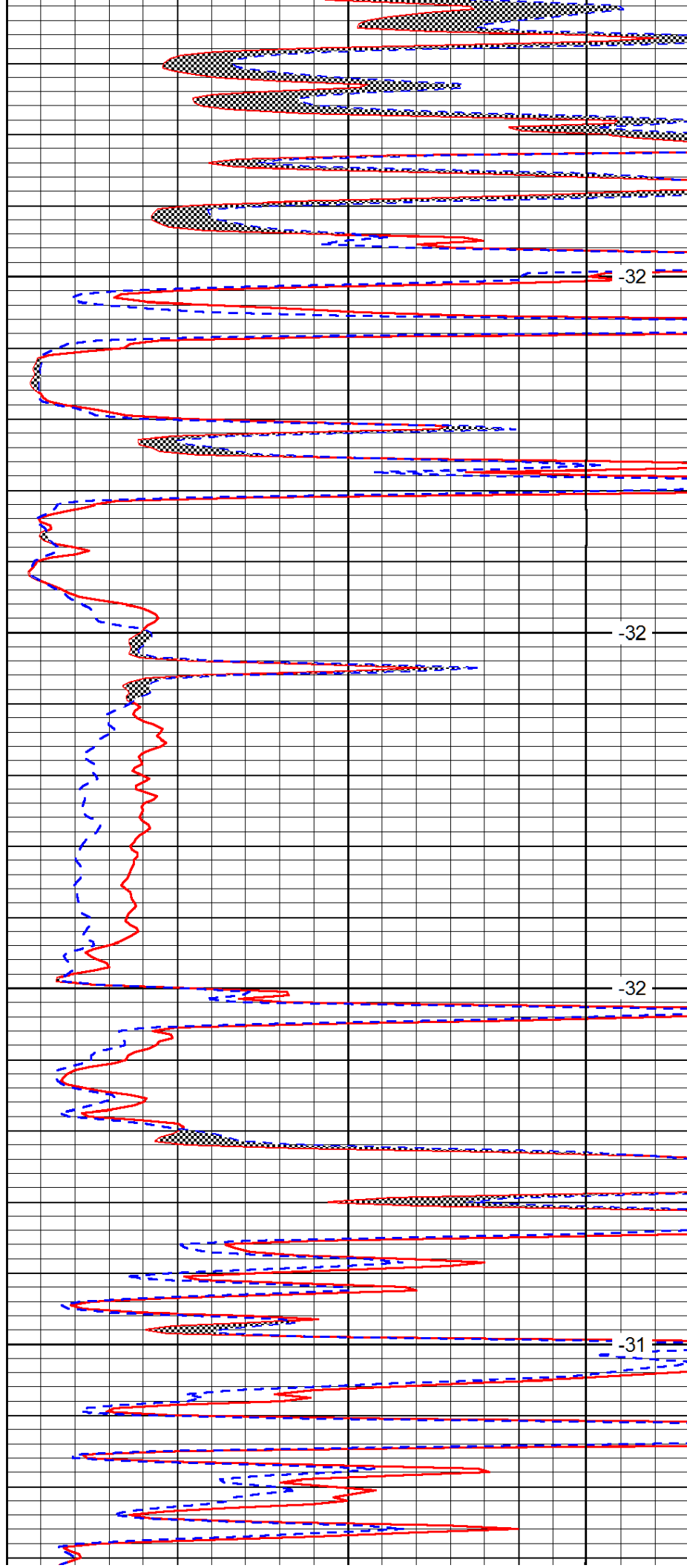


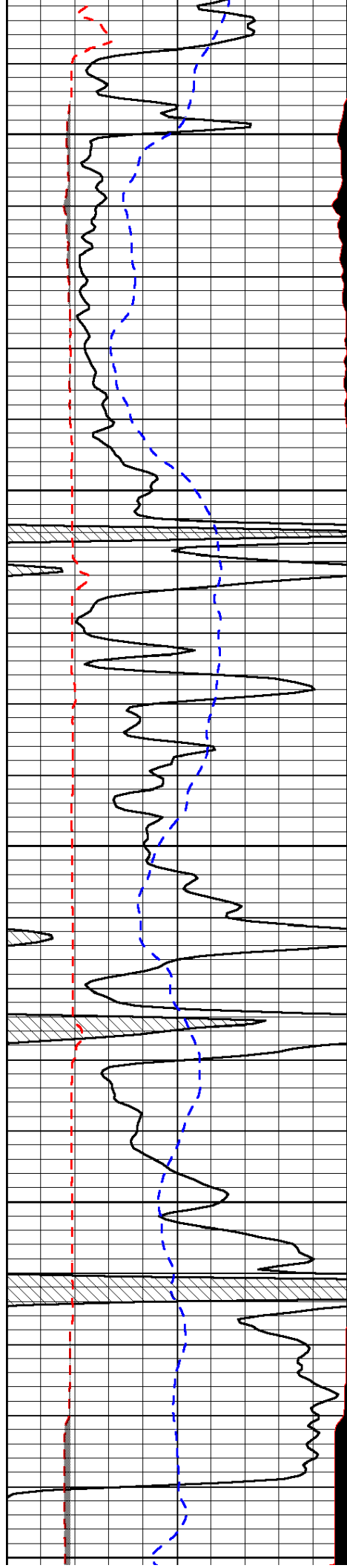
2950

3000

3050

3100





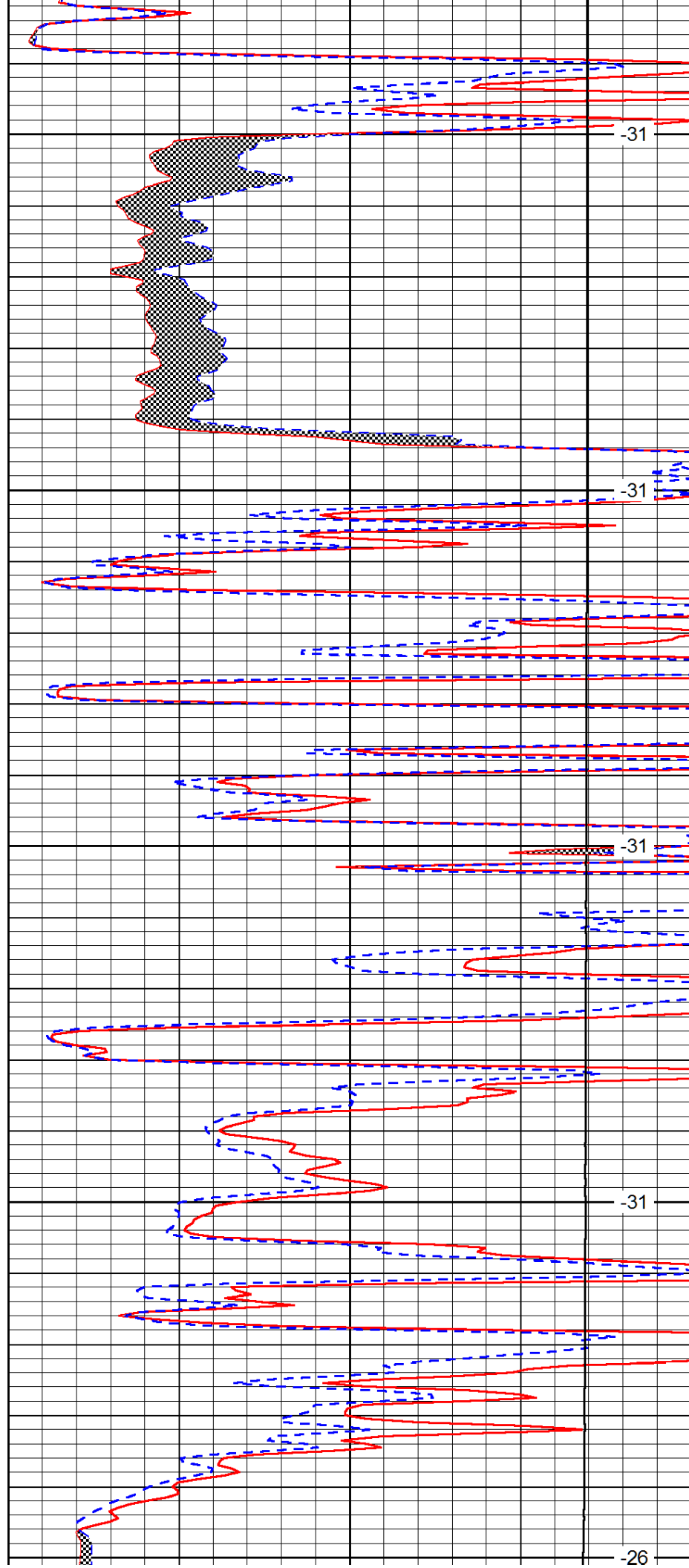
3150

3200

3250

3300

3350



-31

-31

-31

-31

-26

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