



Microresistivity Log

Pioneer Energy Services

API No.

15-159-22770-00-00

Company Mike Kelso Oil, Inc.

Well Volkland A #7

Field Orth

County Rice State

Kansas

Location NW/ SW/ SE SW
2079' FNL & 1342' FWL

Sec: 27 Twp: 18S Rge: 10W

Permanent Datum Ground Level Elevation 1745

Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 1752
D.F. 1745
G.L. 1745

Date 4/8/2014

Run Number Two

Depth Driller 3188

Depth Logger 3188

Bottom Logged Interval 3187

Top Log Interval 2350

Casing Driller 13.375 @ 436

Casing Logger 436

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5000

Density / Viscosity 9.0 58

pH / Fluid Loss 9.5 6.4

Source of Sample Flowline

Rm @ Meas. Temp 0.65 @ 52

Rmf @ Meas. Temp 0.49 @ 52

Rmc @ Meas. Temp 0.88 @ 52

Source of Rmf / Rmc Charts

Rm @ BHT 0.31 @ 110

Operating Rig Time 4 Hours

Max Rec. Temp. F 110

Equipment Number 91

Location Hays

Recorded By D. Schmidt

Witnessed By Steve Reed

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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

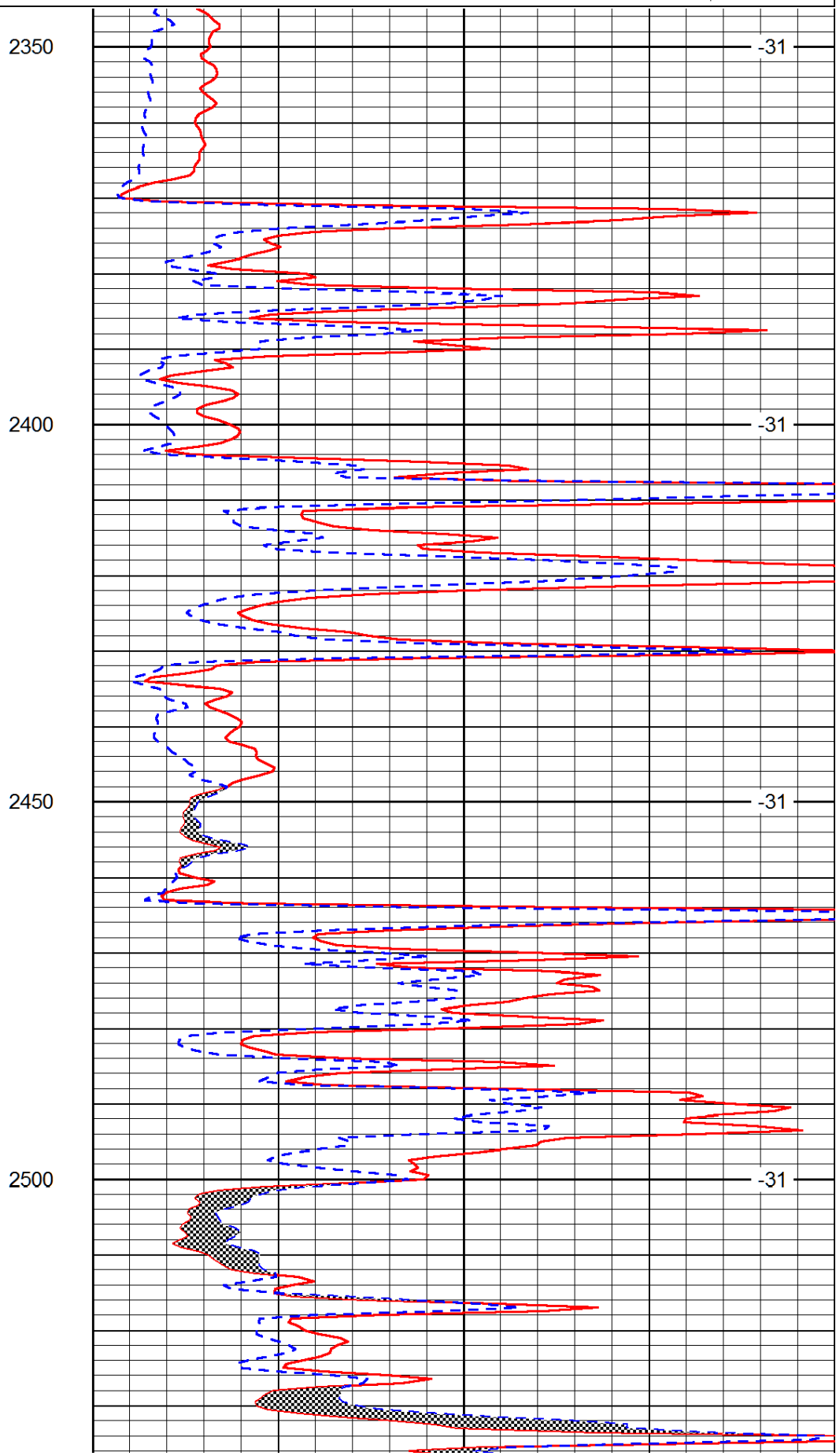
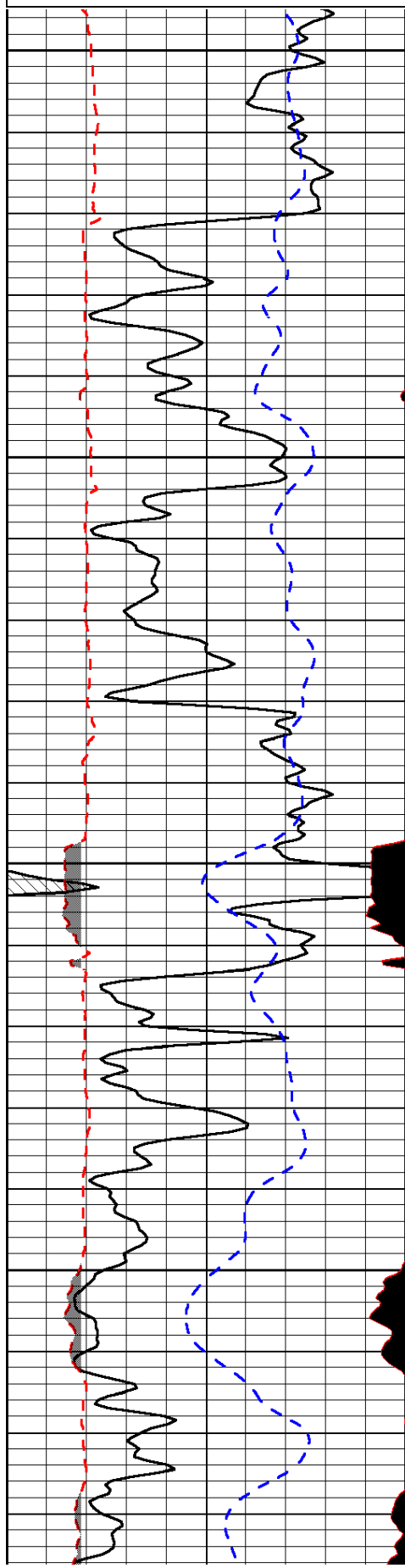
Thank you for using Log-Tech, Inc.
(785) 625-3858

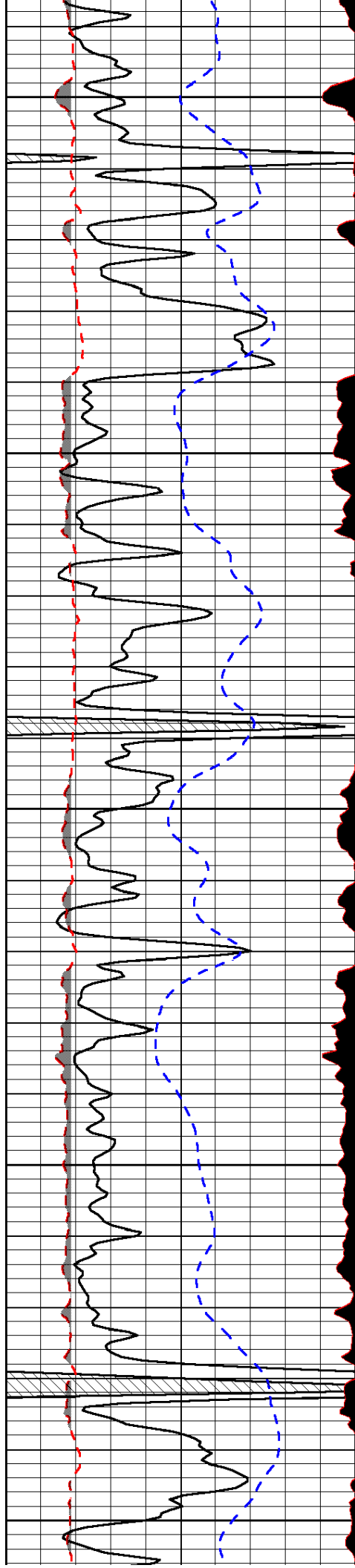
Clafin,
East to Rd 4, 4 1/4 South,
East into

Database File: kelso_040814hd.db
Dataset Pathname: dil/kelstack
Presentation Format: micro
Dataset Creation: Tue Apr 08 09:48:06 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:210		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





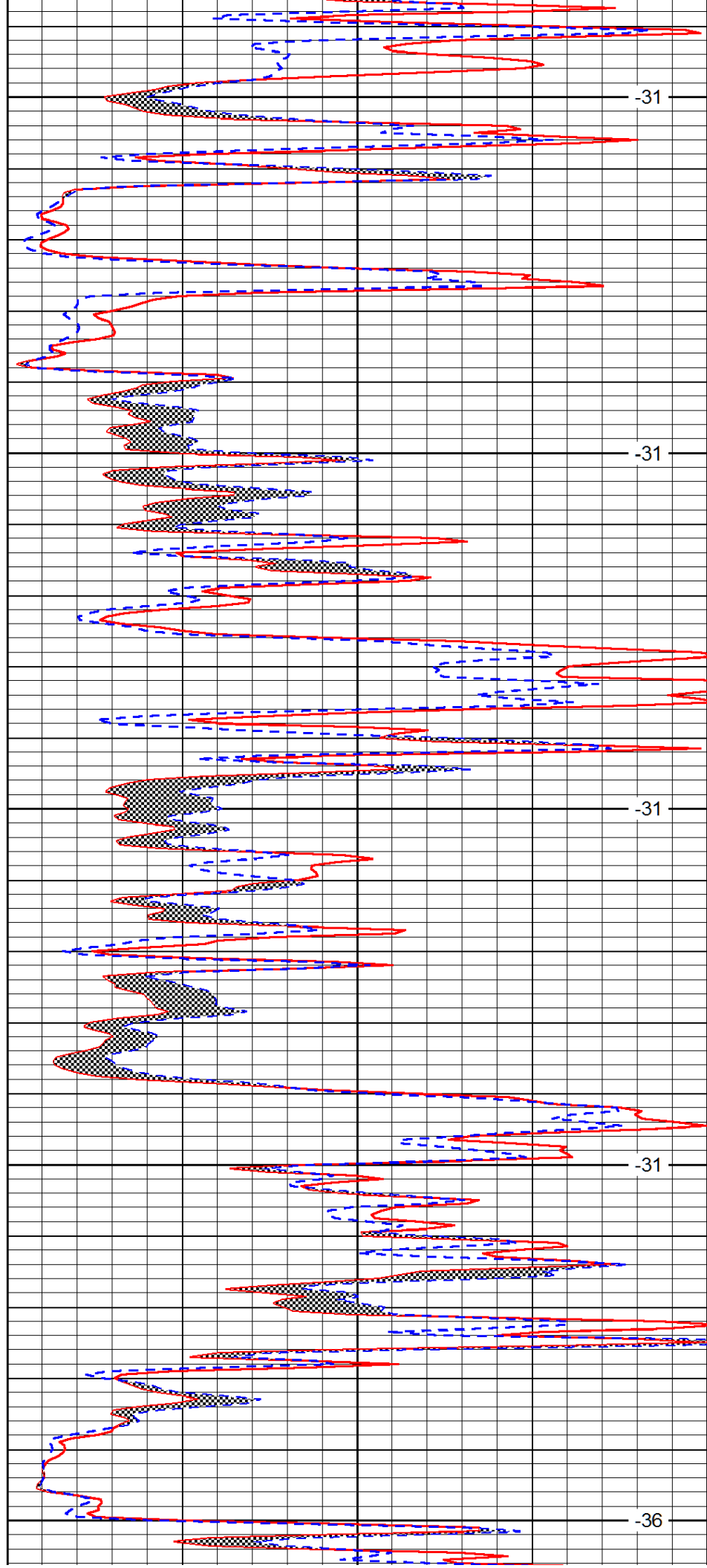
2550

2600

2650

2700

2750



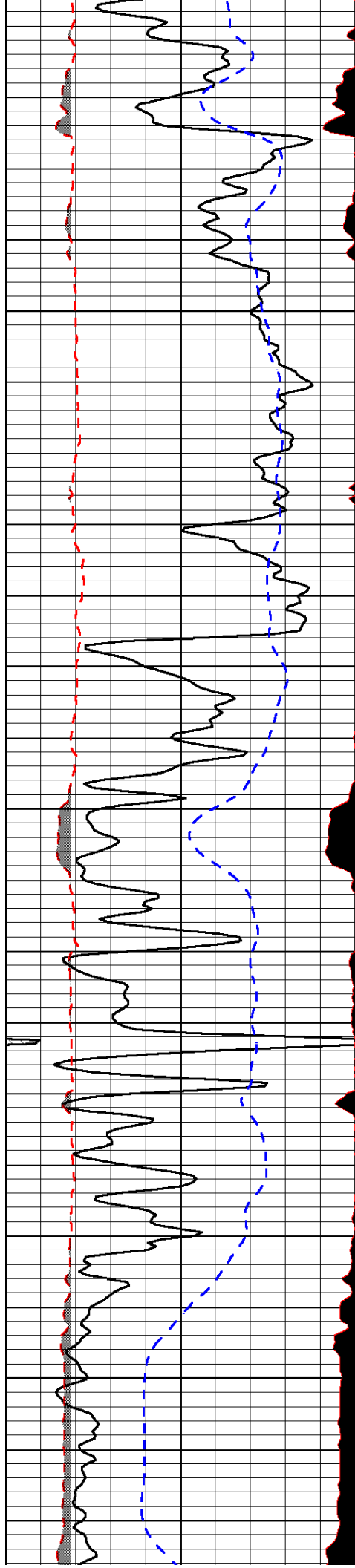
-31

-31

-31

-31

-36

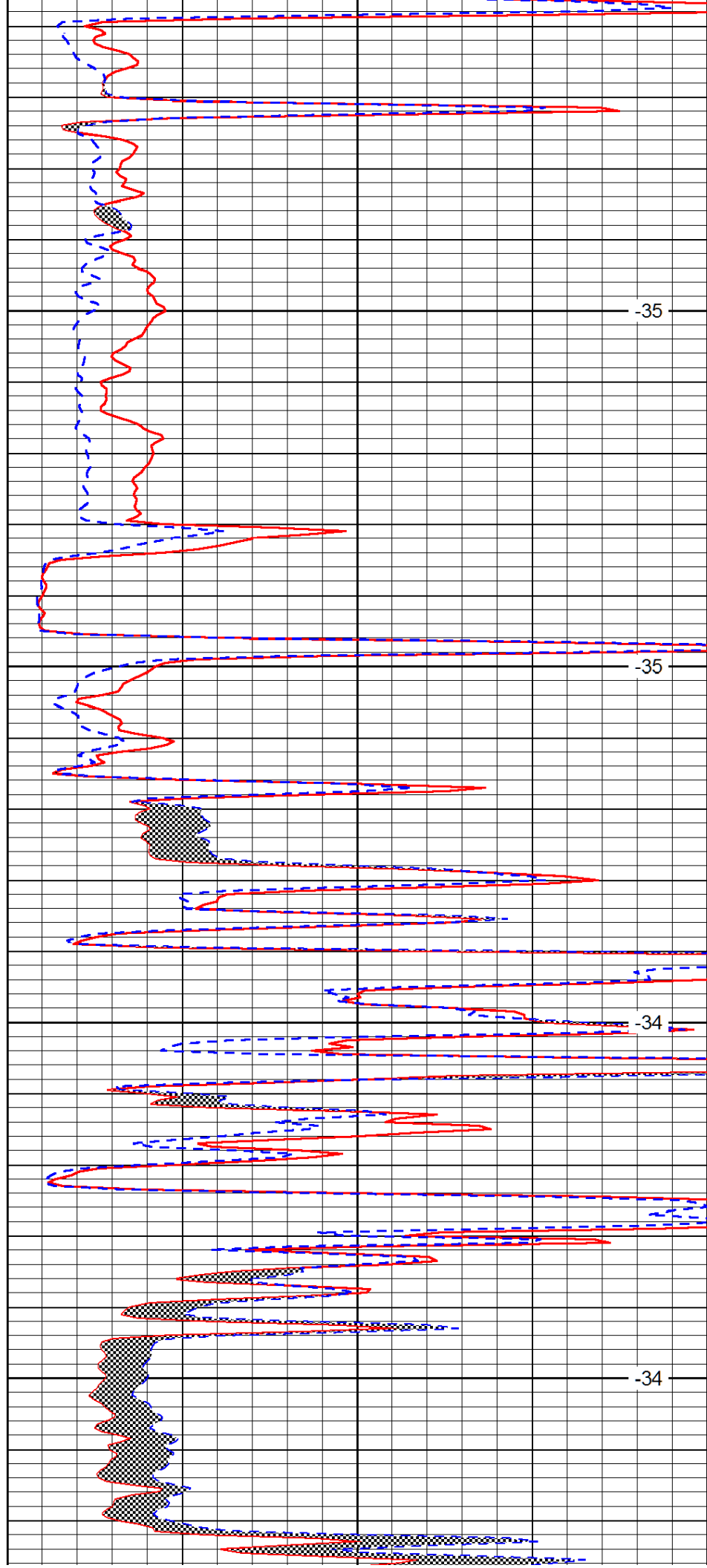


2800

2850

2900

2950

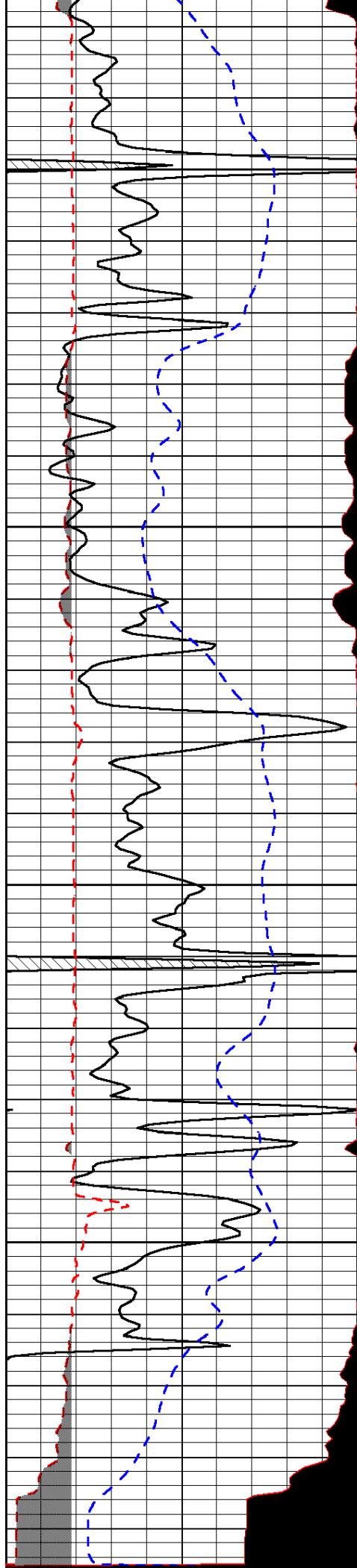


-35

-35

-34

-34

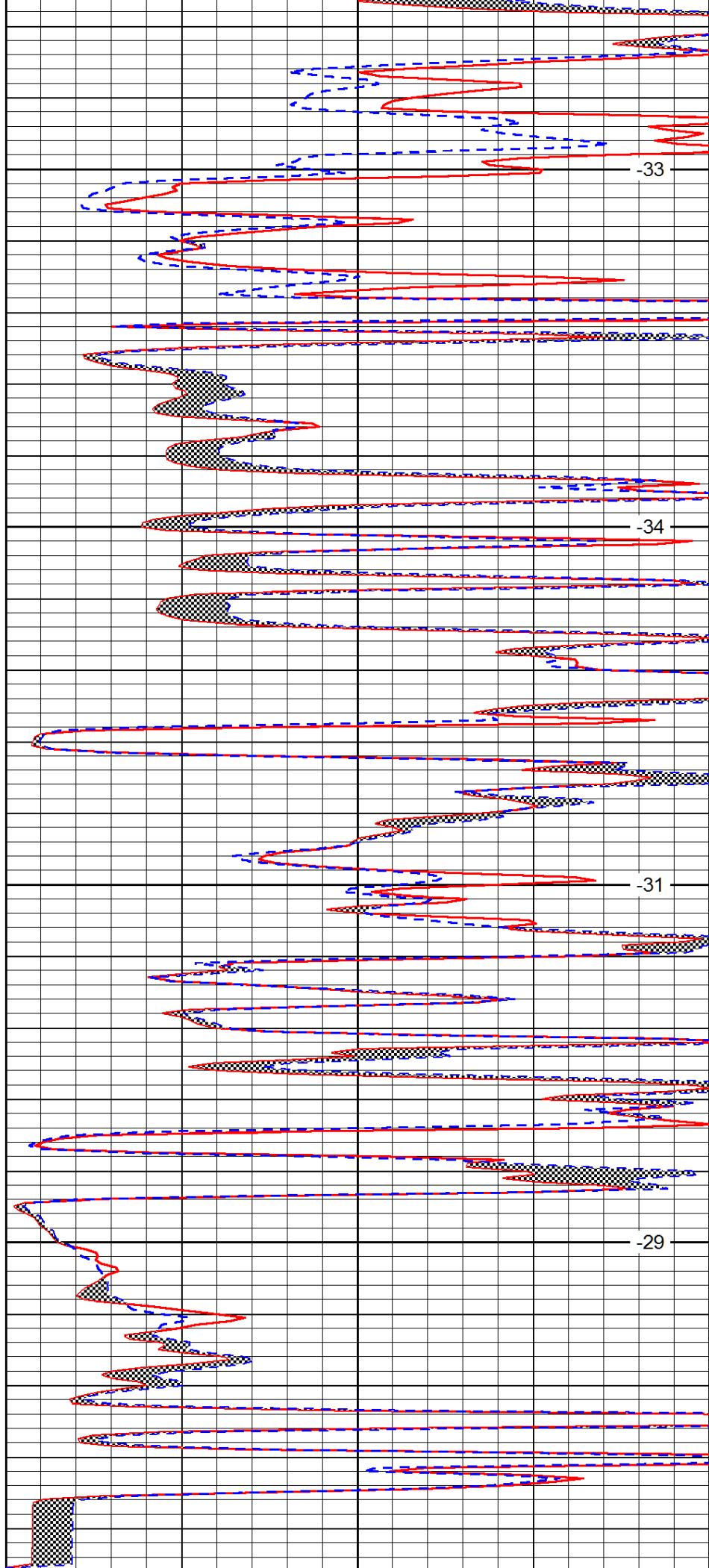


3000

3050

3100

3150



-33

-34

-31

-29

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