



Microresistivity Log

Pioneer Energy Services

API No.

15-115-21,462-00-00

Company K-Bar Oil

Well Hawk No. 15

Field Edmonds

County Marion State

Kansas

Location SW-SW-NE-NE
1050' FNL & 1282' FEL

Other Services
CNL/CDL
DIL

Sec: 31 Twp: 22S Rge: 4E

Permanent Datum Ground Level Elevation 1397

Log Measured From Ground Level 0 Ft. Above Perm. Datum

Elevation
K.B. 1403
D.F. 1397
G.L. 1397

Date

1/18/14

Run Number

Two

Depth Driller

2783

Depth Logger

2776

Bottom Logged Interval

2775

Top Log Interval

1700

Casing Driller

8.625 @ 207

Casing Logger

208

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity,ppm CL

1,200

Density / Viscosity

9.4 36

pH / Fluid Loss

9.0 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

2.0 @ 50

Rmf @ Meas. Temp

1.5 @ 50

Rmc @ Meas. Temp

2.7 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.96 @ 104

Operating Rig Time

3 Hours

Max Rec. Temp. F

104

Equipment Number

108

Location

Hays

Recorded By

J. Henrickson

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

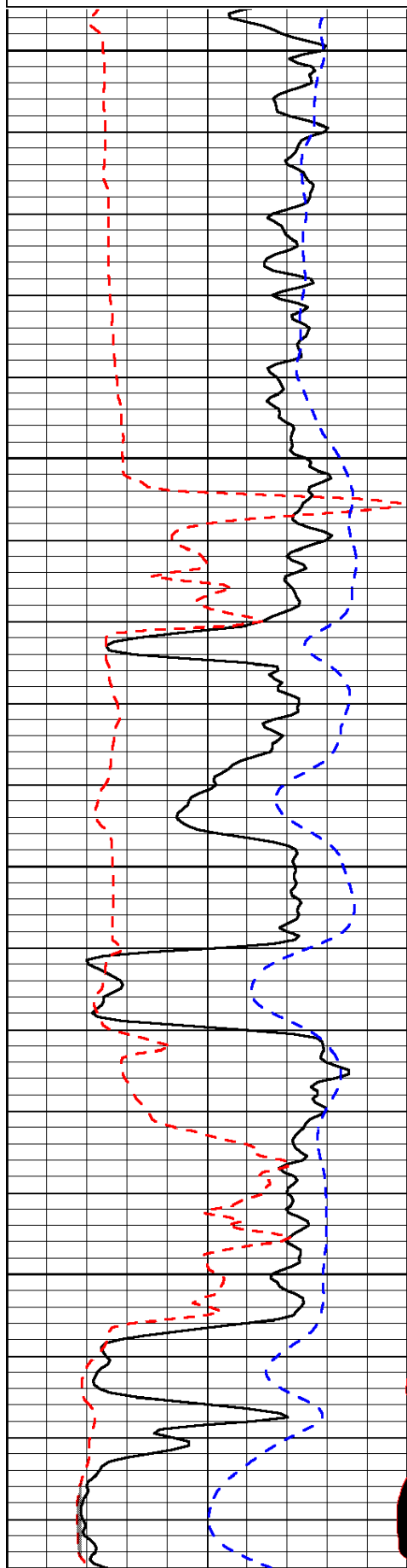
Thank you for using Log-Tech, Inc.
(785) 625-3858

Salina Kansas

South to Hesston Exit, East to K15 HWY, 2 South to NE 60 Rd, East to Walton Ks,
10.2 East to Quail Rd, 1 South, 1 1/2 East, South Into

Database File: k_bar_hawk_15hd.db
Dataset Pathname: DIL/kbarstk
Presentation Format: micro
Dataset Creation: Sat Jan 18 17:55:18 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.10		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

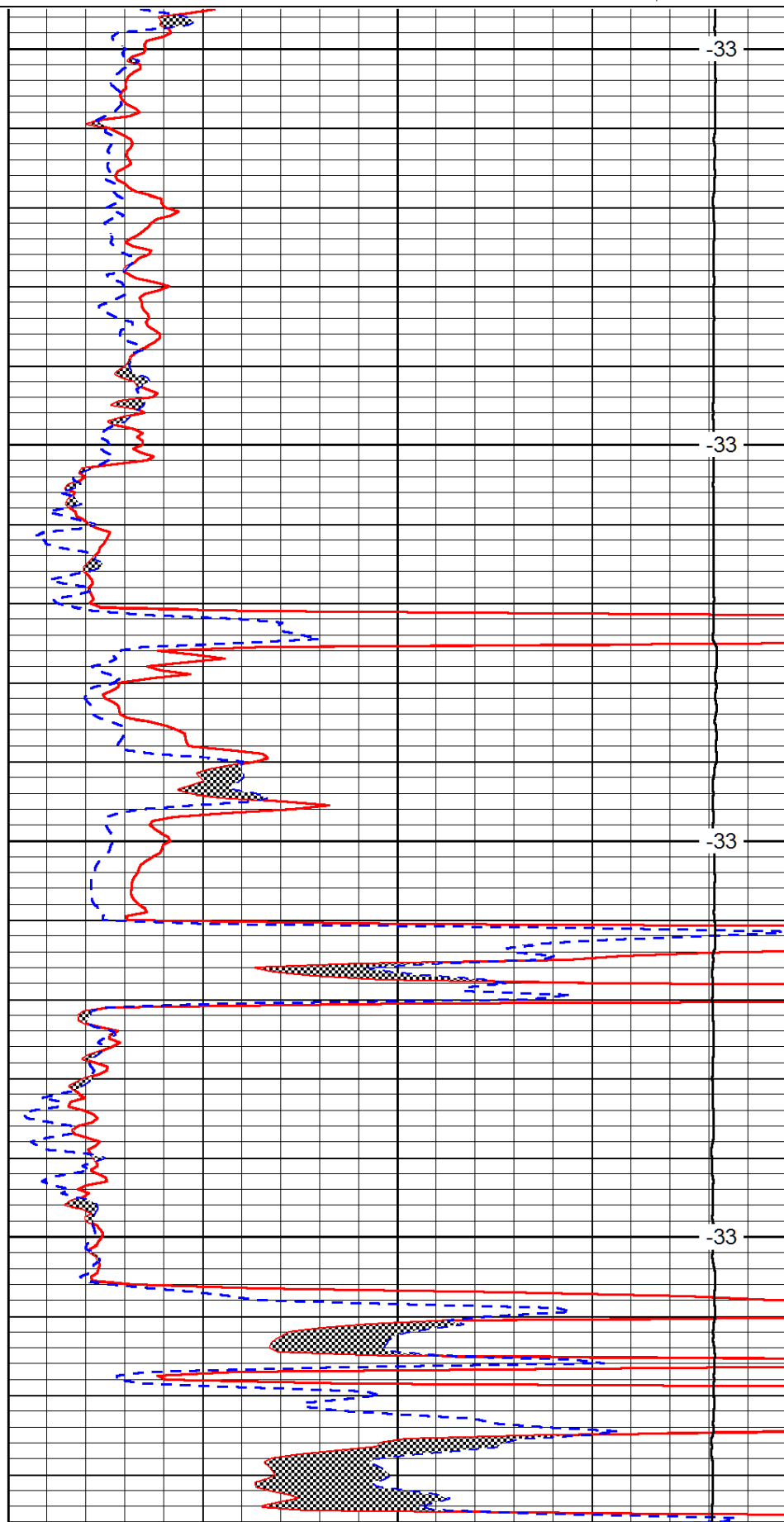


1700

1750

1800

1850

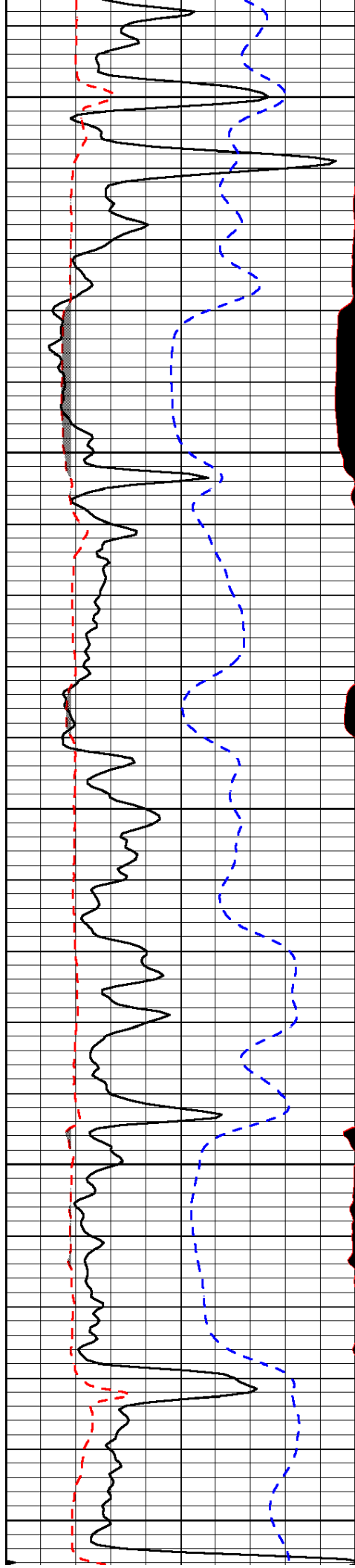


-33

-33

-33

-33



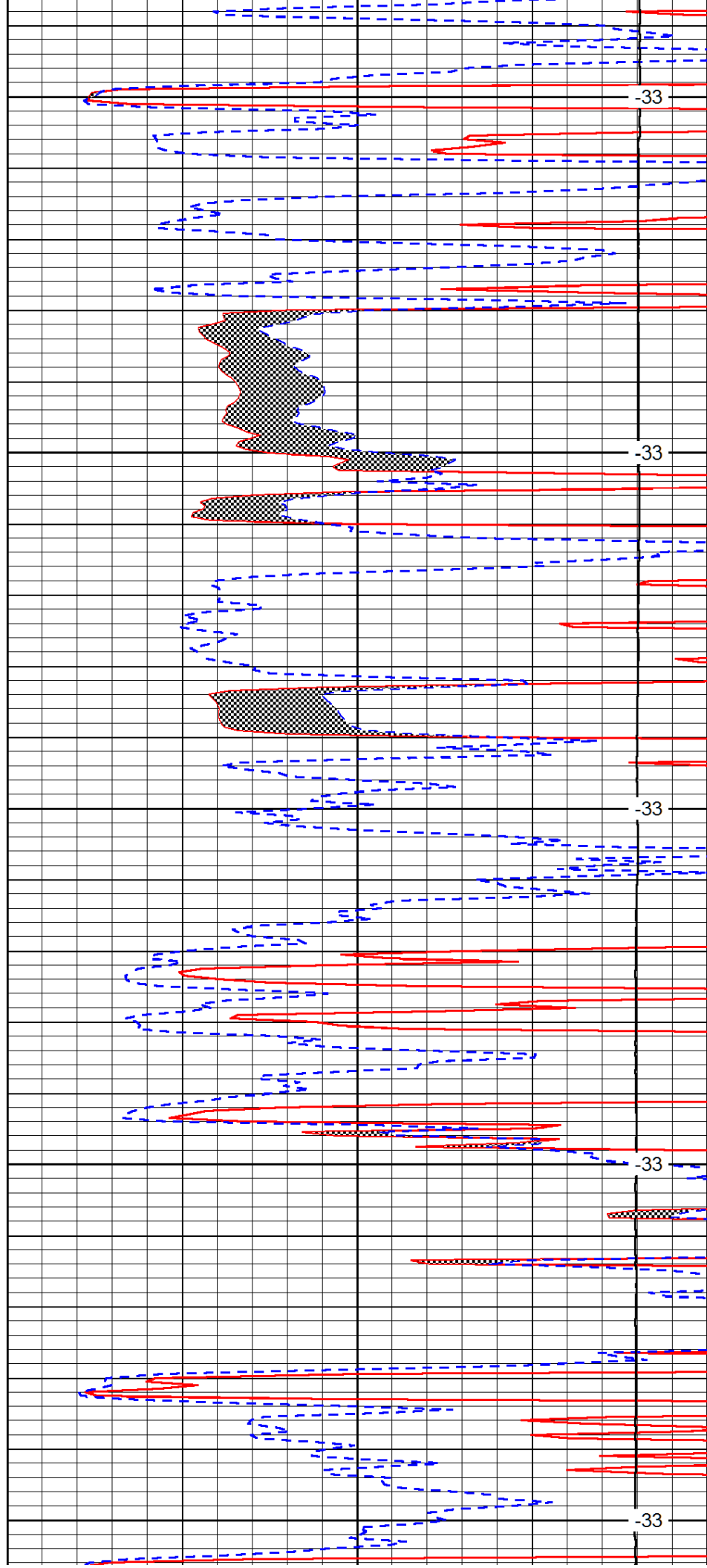
1900

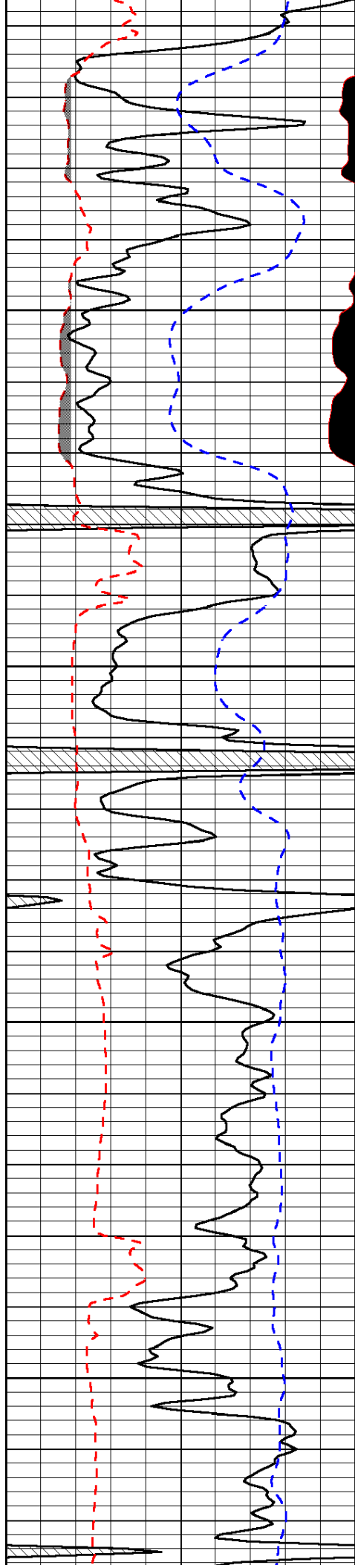
1950

2000

2050

2100



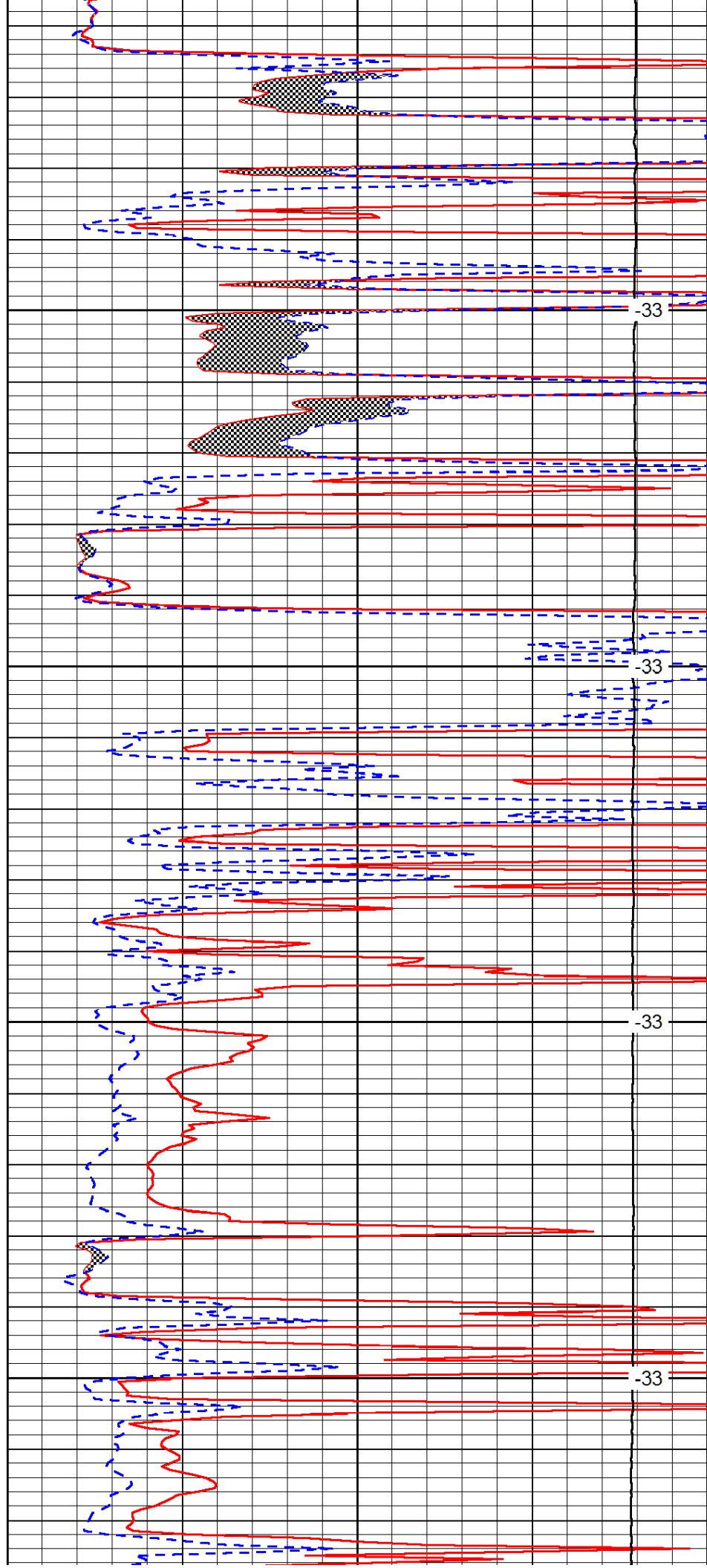


2150

2200

2250

2300

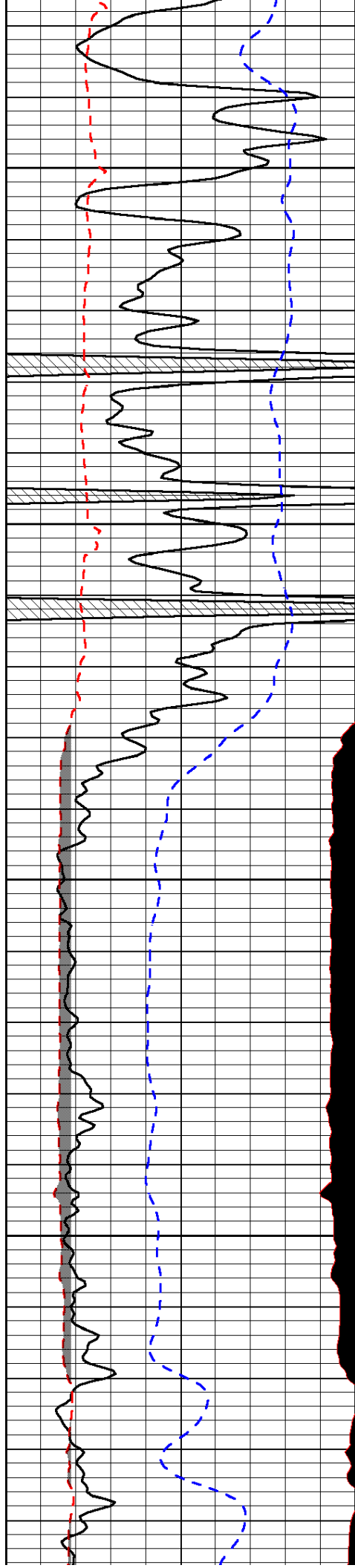


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2350

2400

2450

2500

