



Pioneer Energy Services

Microresistivity Log

API No.

15-153-21033-00-00

Company Murfin Drilling Company, Inc.

Well Dan # 1-9

Field Wildcat

County Rawlins

State

Kansas

Location 330' FSL & 1650' FEL

Other Services
CNL/CDL
DIL/BHCS

Sec: 9

Twp: 1 S

Rge: 35 W

Elevation

K.B. 3173
D.F.
G.L. 3162

Permanent Datum Ground Level Elevation 3162
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 07-17-2014

Run Number

Two

Depth Driller

4472

Depth Logger

4478

Bottom Logged Interval

4477

Top Log Interval

3500

Casing Driller

8.625 @ 263

Casing Logger

265

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

600

Density / Viscosity

9.1 58

pH / Fluid Loss

10.0 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.90 @ 68

Rmf @ Meas. Temp

0.68 @ 68

Rmc @ Meas. Temp

1.12 @ 68

Source of Rmf / Rmc

Charts

Rm @ BHT

0.51 @ 121

Operating Rig Time

5 Hours

Max Rec. Temp. F

121

Equipment Number

17

Location

Hays

Recorded By

Y. Ruiz

Witnessed By

Robert Hendrix

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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

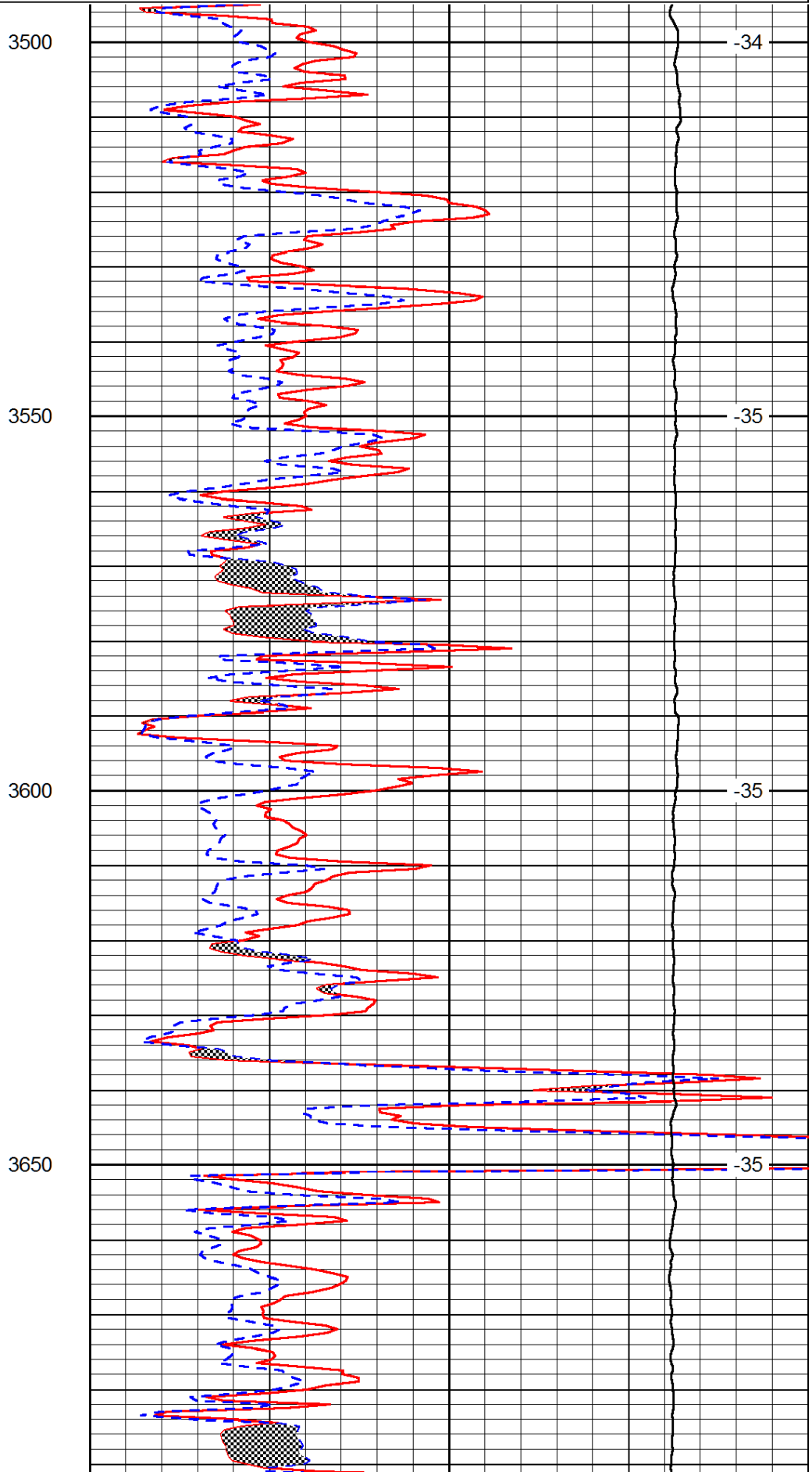
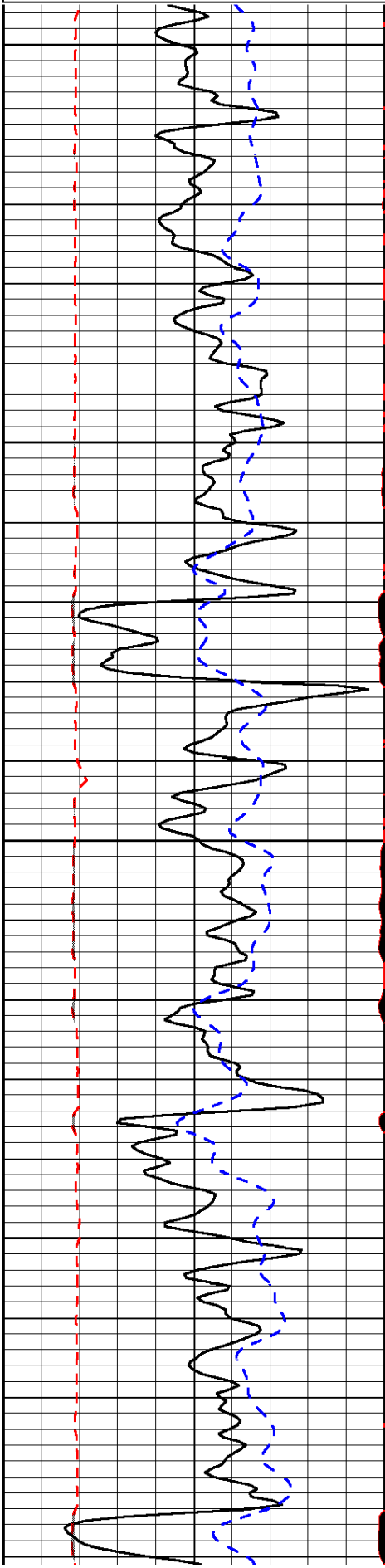
Thank you for using Log-Tech, Inc.
(785) 625-3858

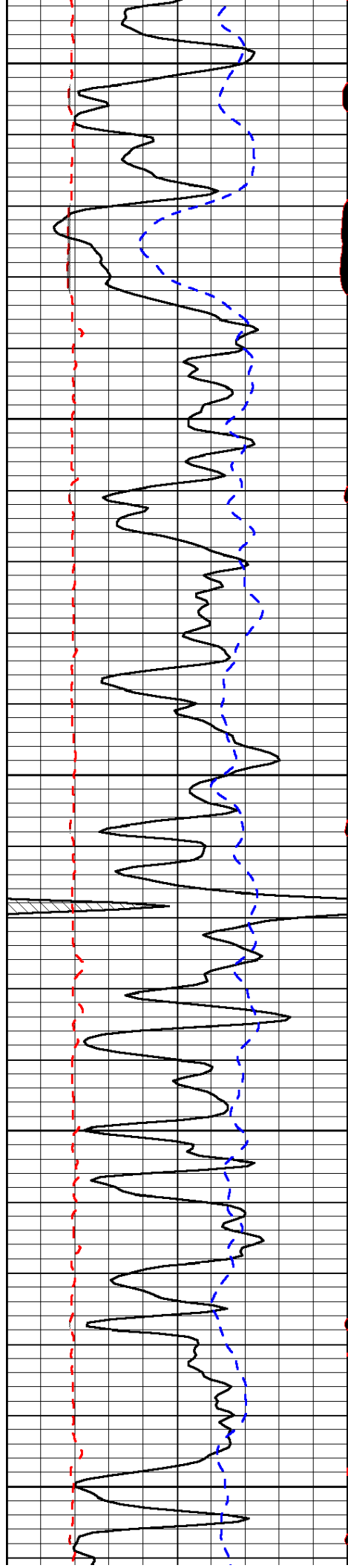
Beardsley,
North to CC rd, 1/4 West,
North into

Database File: murfin_dan_1_9_hd.db
Dataset Pathname: DIL/murstk
Presentation Format: micro
Dataset Creation: Thu Jul 17 22:37:11 2014
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





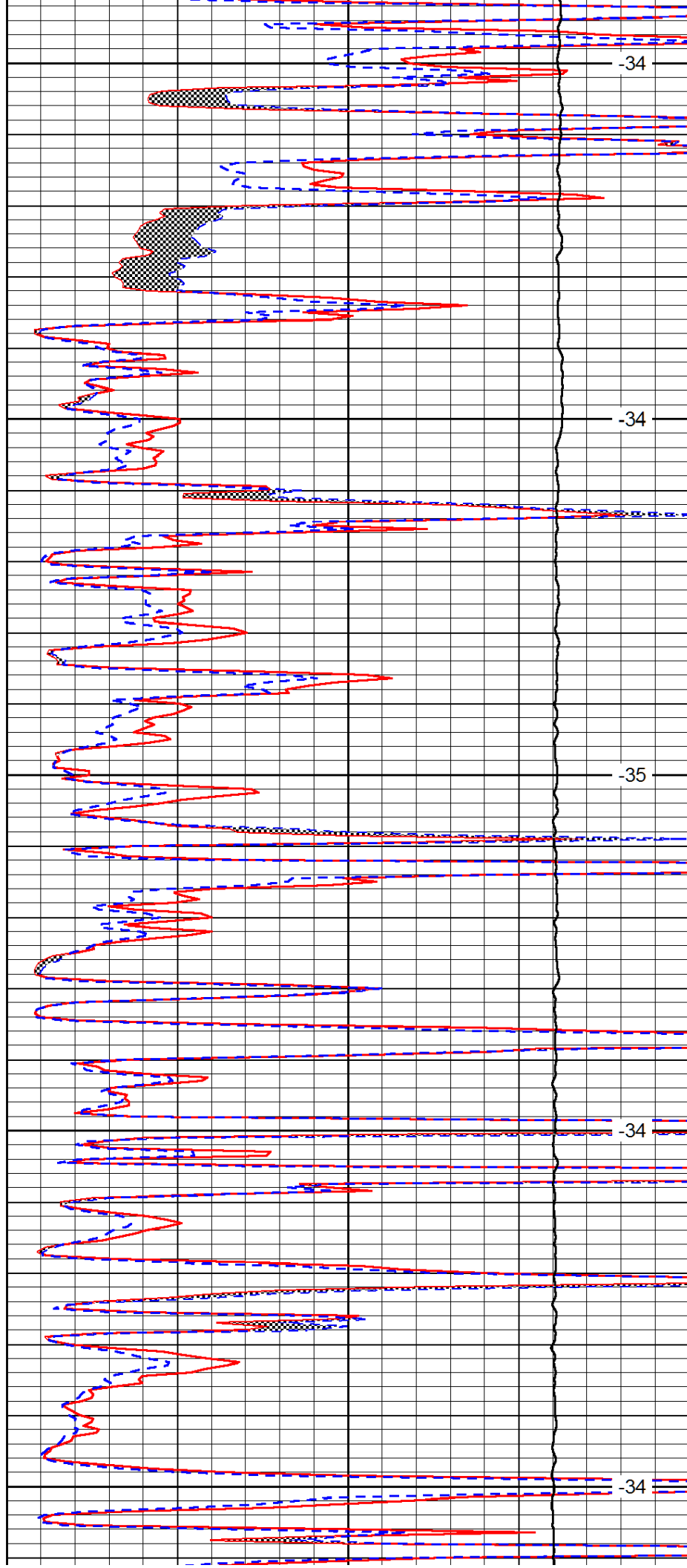
3700

3750

3800

3850

3900



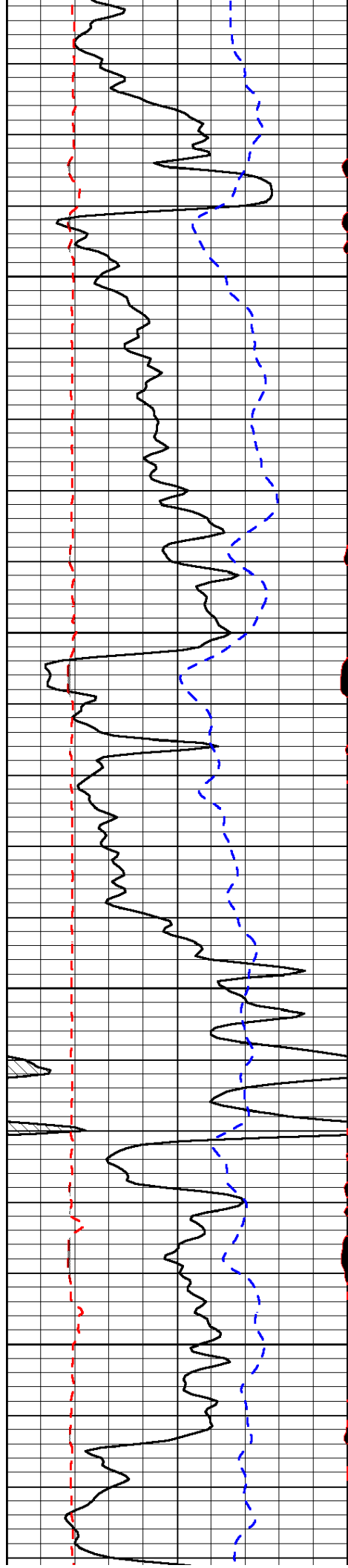
-34

-34

-35

-34

-34

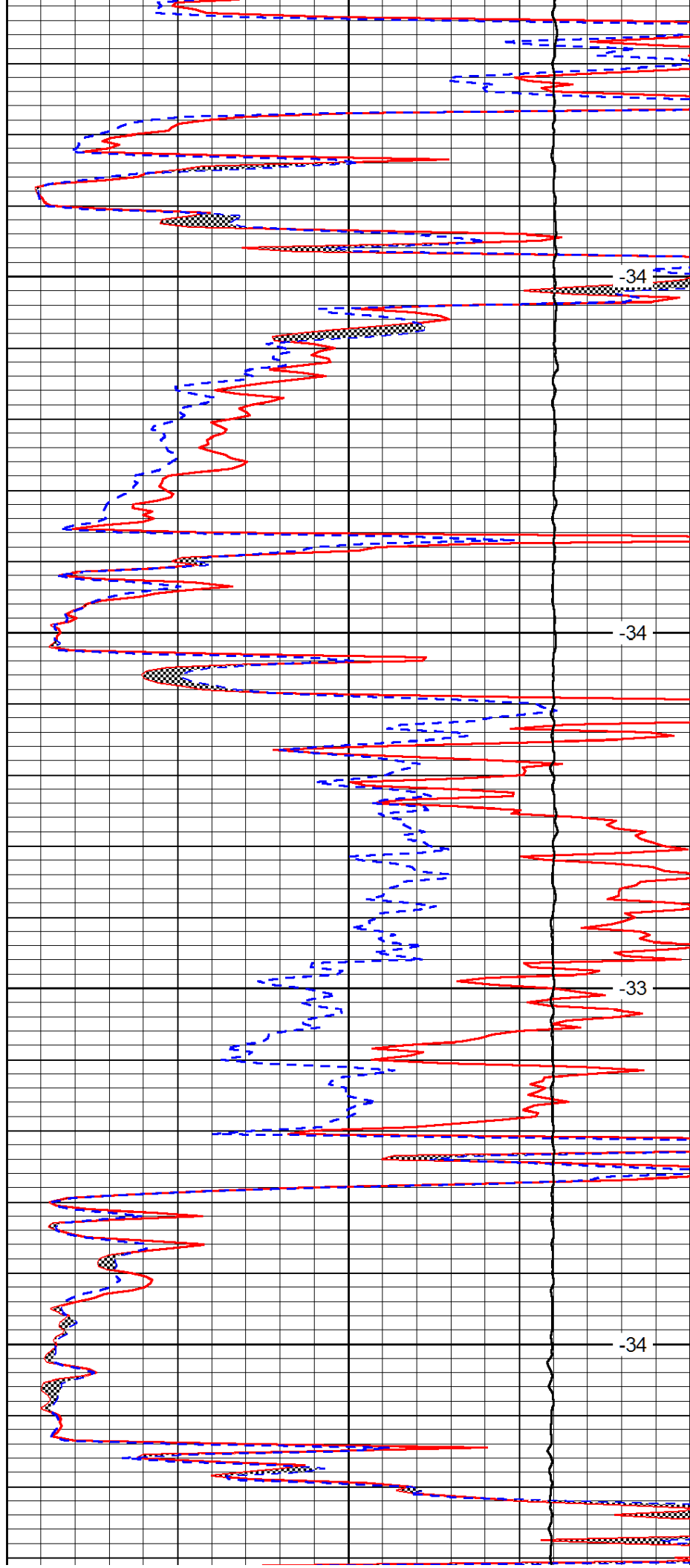


3950

4000

4050

4100

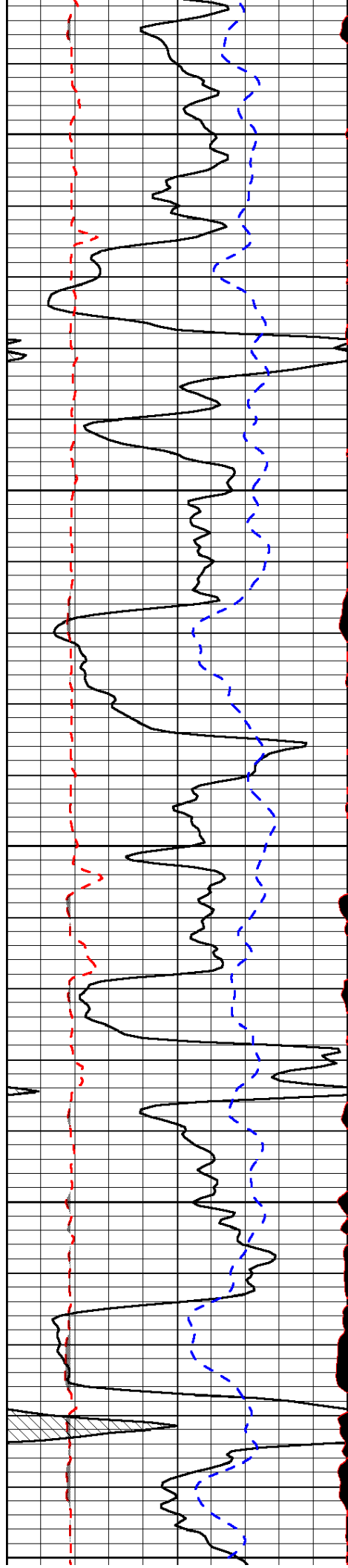


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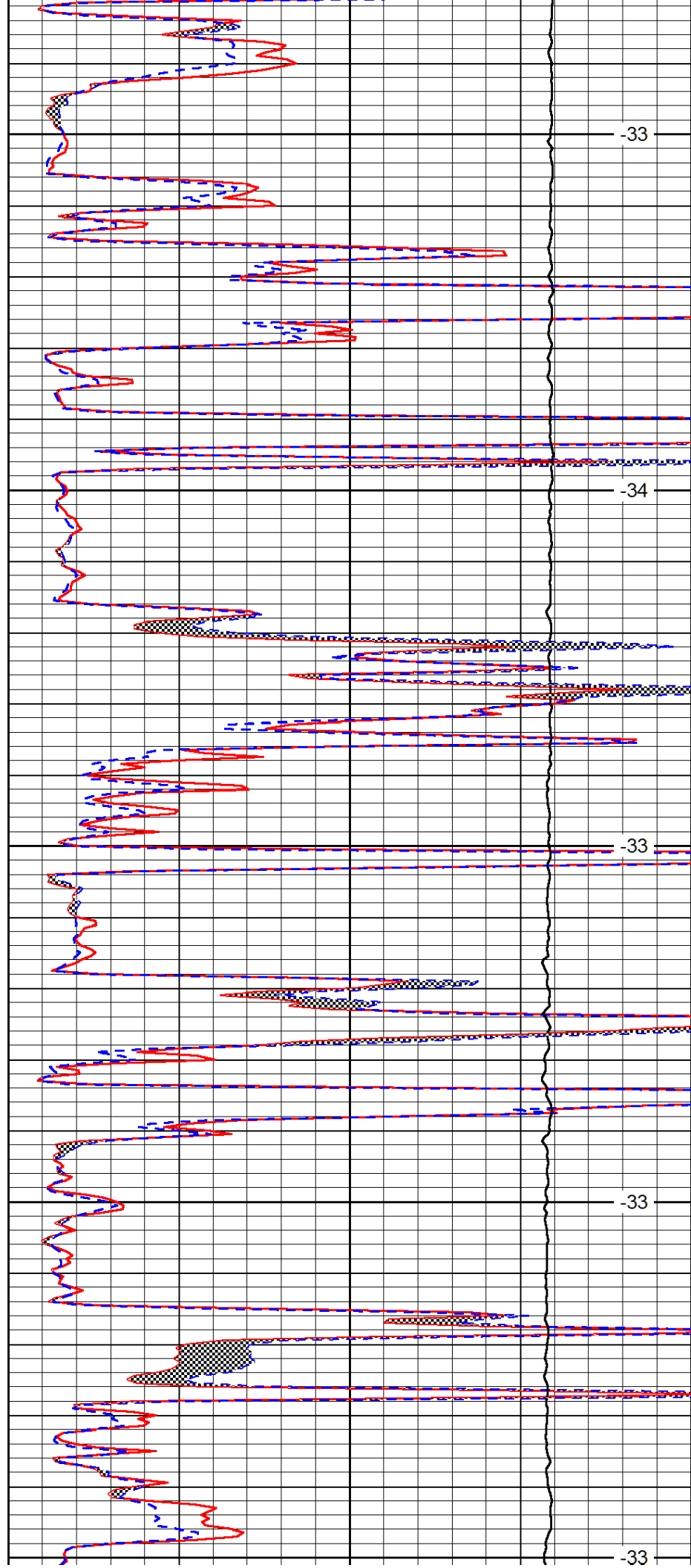
4150

4200

4250

4300

4350



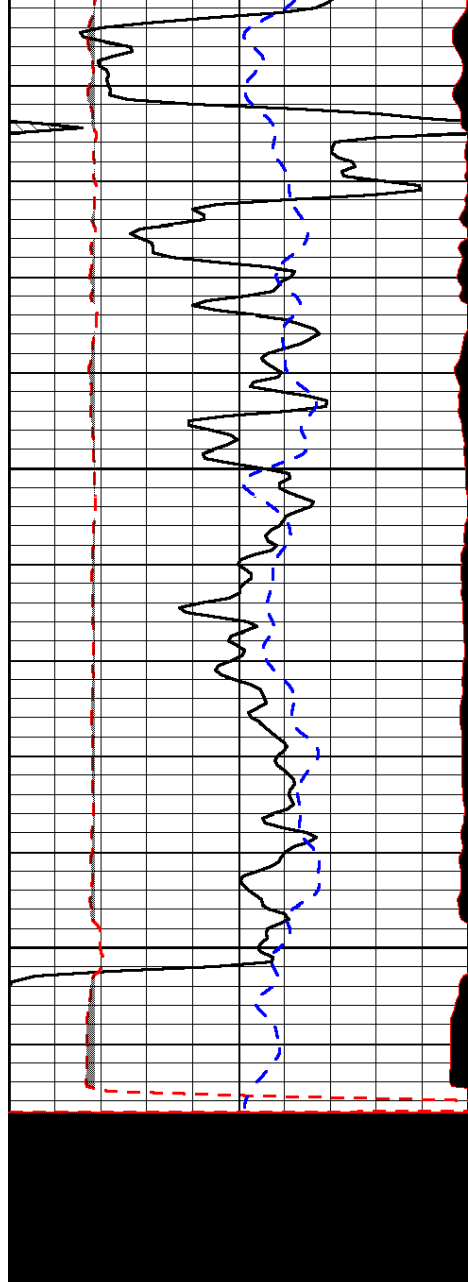
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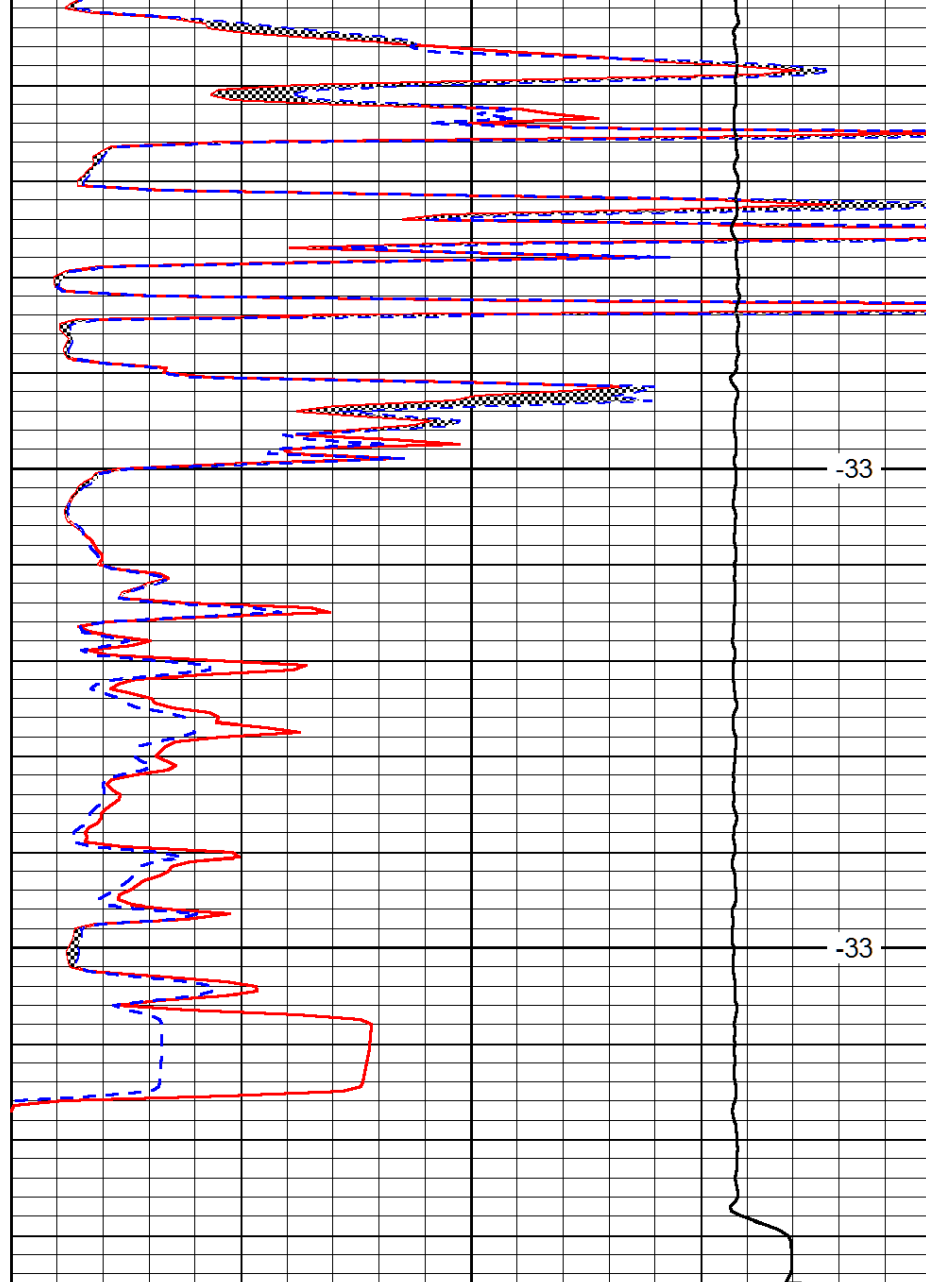
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