



Microresistivity Log

Pioneer Energy Services

API No.

15-153-21,107-00-00

Company Murfin Drilling Company, Inc.

Well Cheryl #1-33

Field Wildcat

County Rawlins

State

Kansas

Location

990' FSL & 1,650' FEL

Sec: 33

Twp: 1S

Rge: 36W

Other Services
CNL/CDL
DIL/BHCS

Elevation

Permanent Datum Ground Level Elevation 3269
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 3280
D.F.
G.L. 3269

Date

2/18/2015

Run Number

Two

Depth Driller

4950

Depth Logger

4952

Bottom Logged Interval

4951

Top Log Interval

3600

Casing Driller

8.625 @ 239

Casing Logger

238

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

600

Density / Viscosity

9.1 67

pH / Fluid Loss

11.5 5.6

Source of Sample

Flowline

Rm @ Meas. Temp

.75 @ 66

Rmf @ Meas. Temp

.56 @ 66

Rmc @ Meas. Temp

1.01 @ 66

Source of Rmf / Rmc

Charts

Rm @ BHT

.39 @ 126

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

126

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Saman Sharifaie

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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

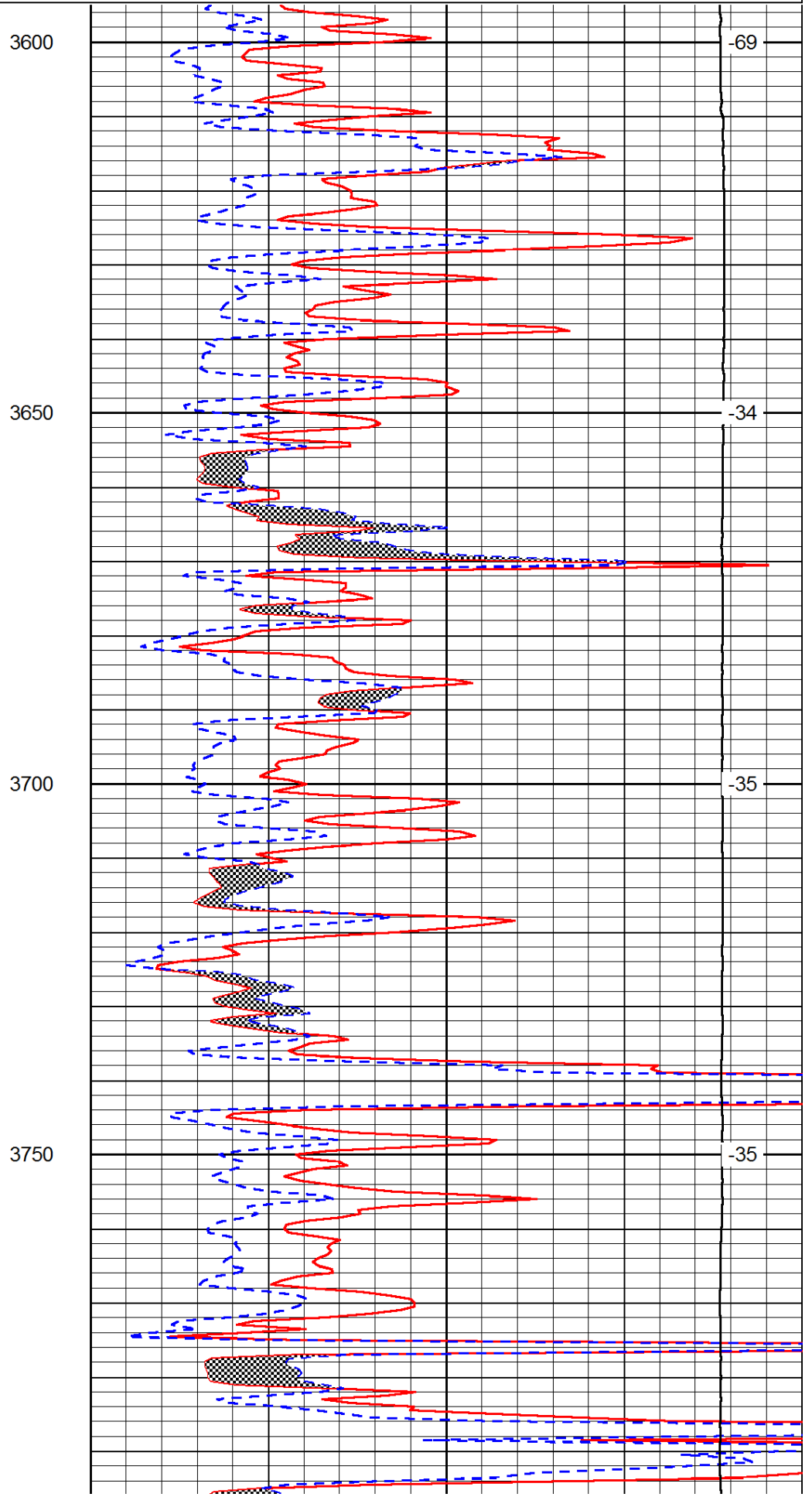
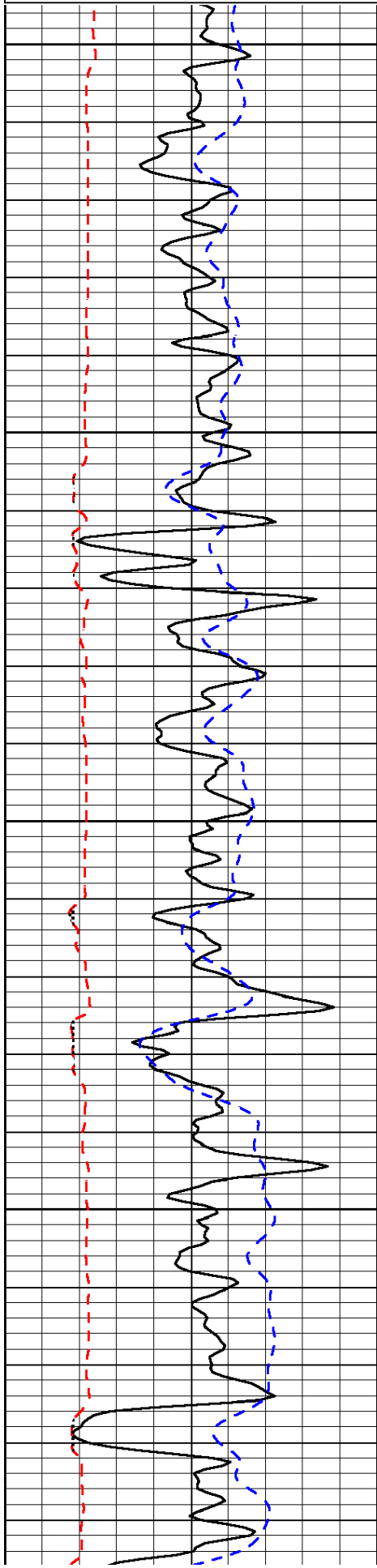
McDonald, 7 1/4 North to W Road, 1 East, 1 North, 1 1/4 North Into

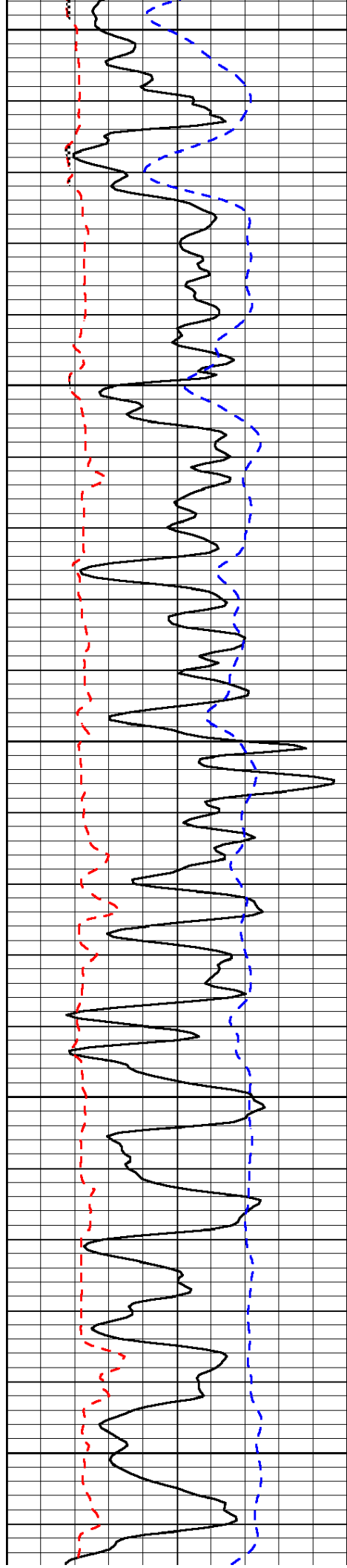
Database File: c:\warrior\data\murfin_cheryl #1-33\murfin_cheryl_1-33hd.db
Dataset Pathname: dil\murfstck
Presentation Format: micro
Dataset Creation: Wed Feb 18 23:31:13 2015
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD





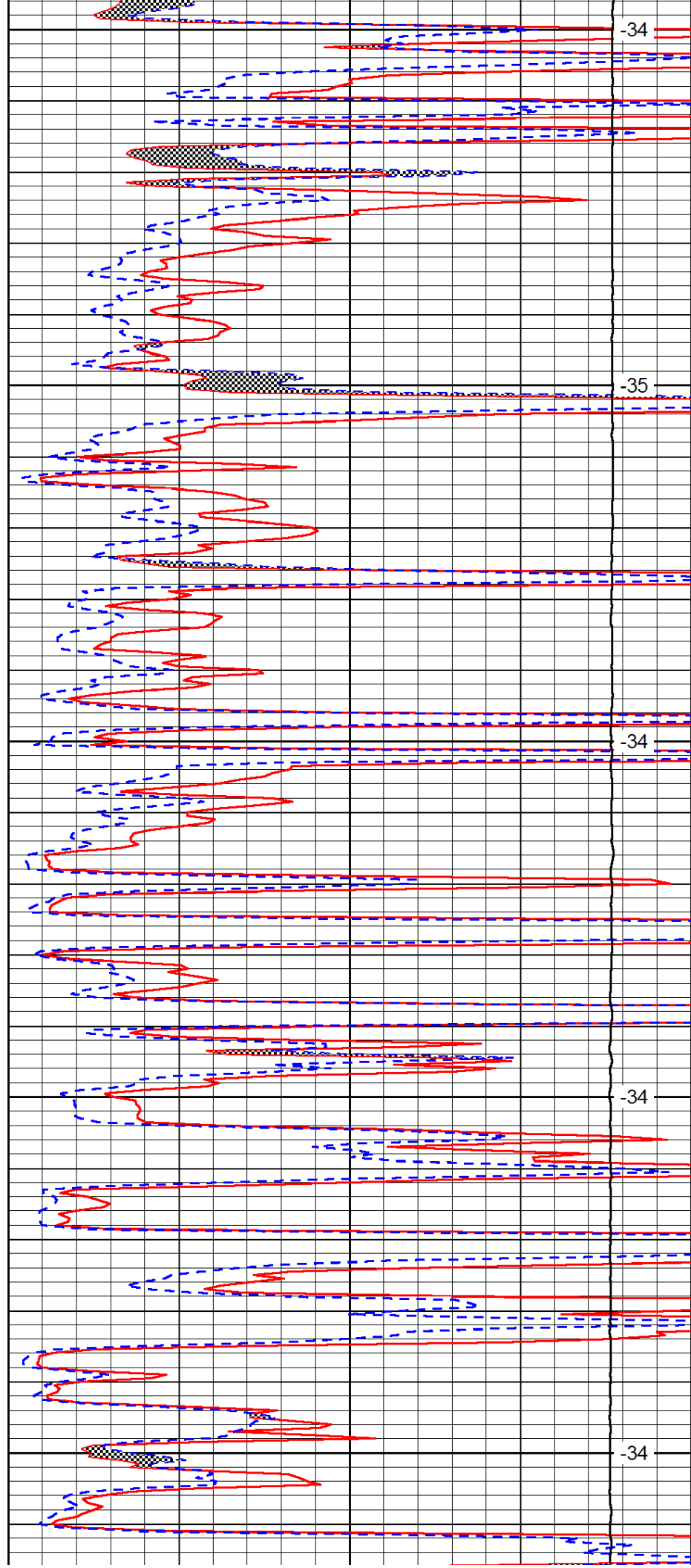
3800

3850

3900

3950

4000



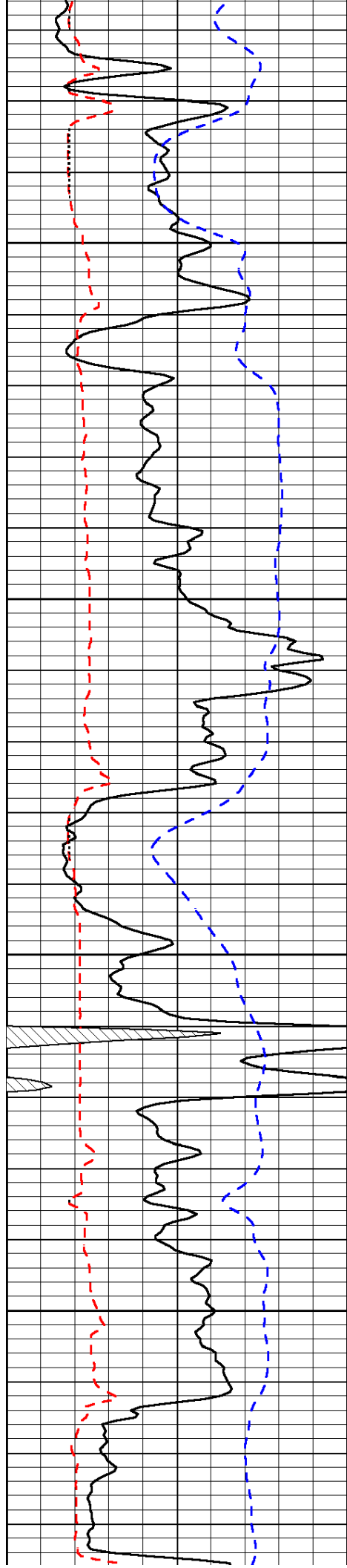
-34

-35

-34

-34

-34

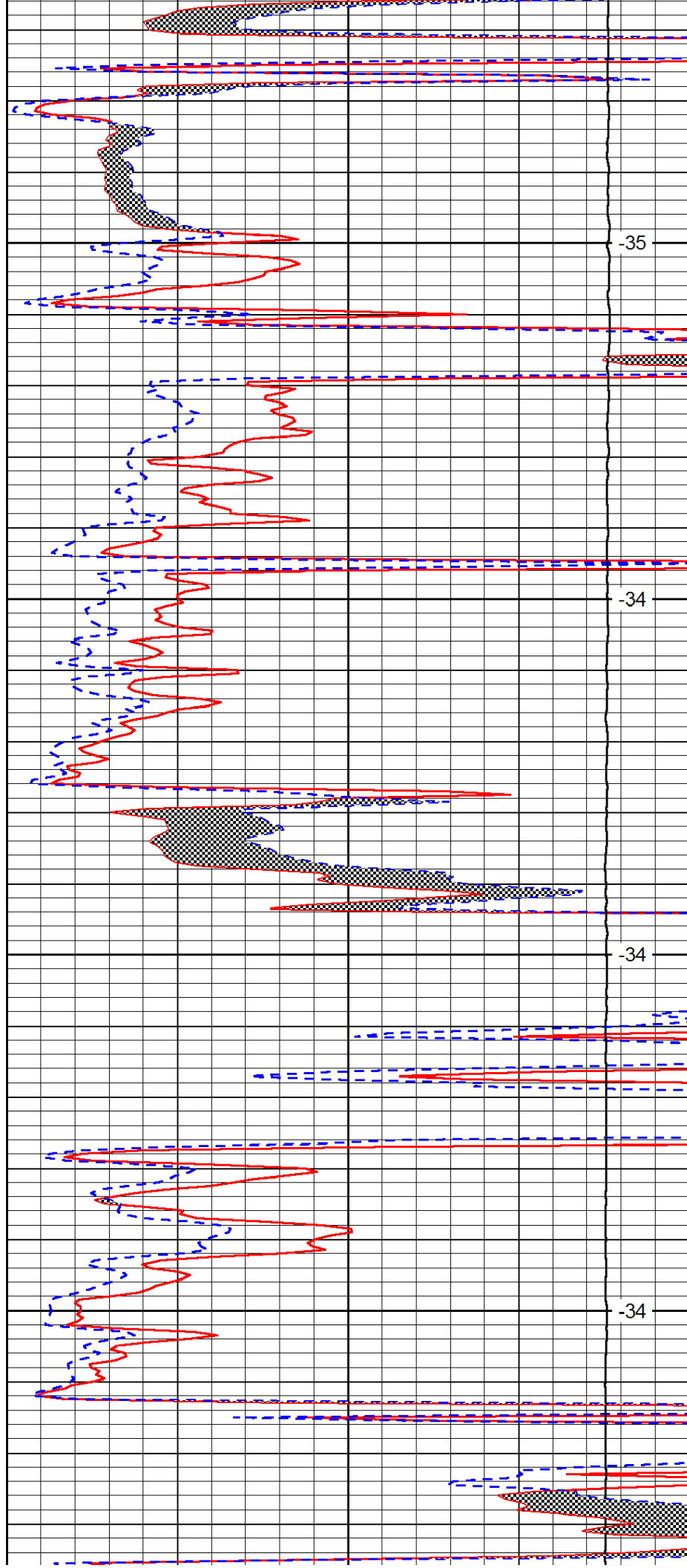


4050

4100

4150

4200

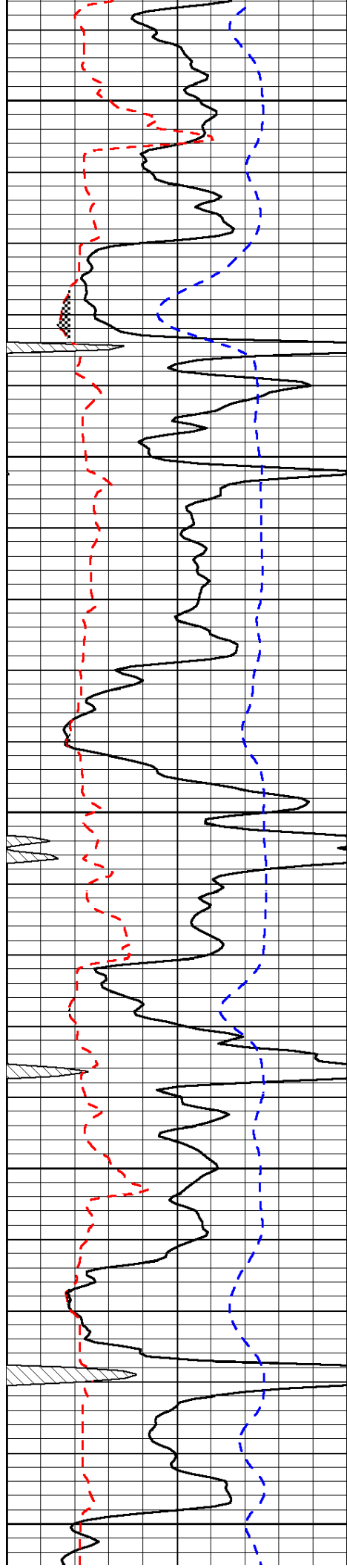


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-34

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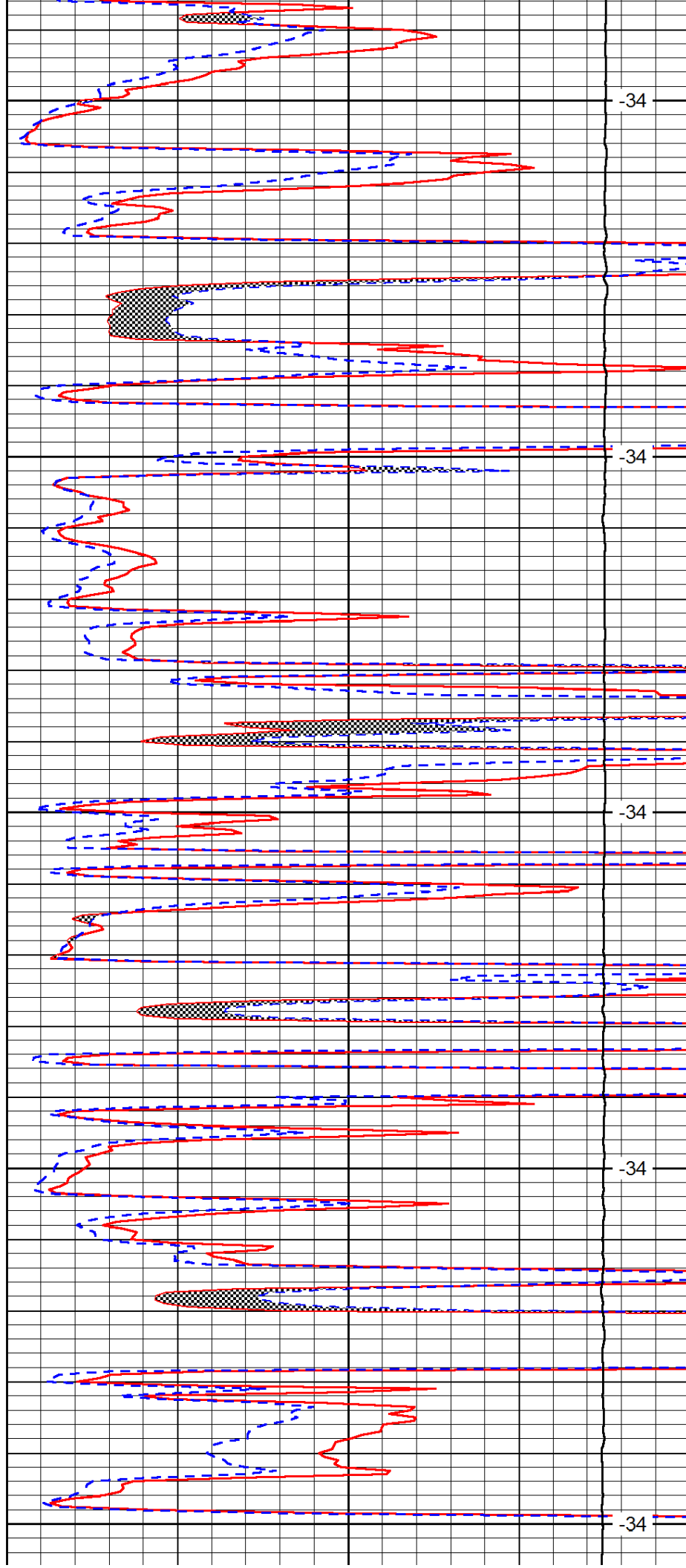
4250

4300

4350

4400

4450



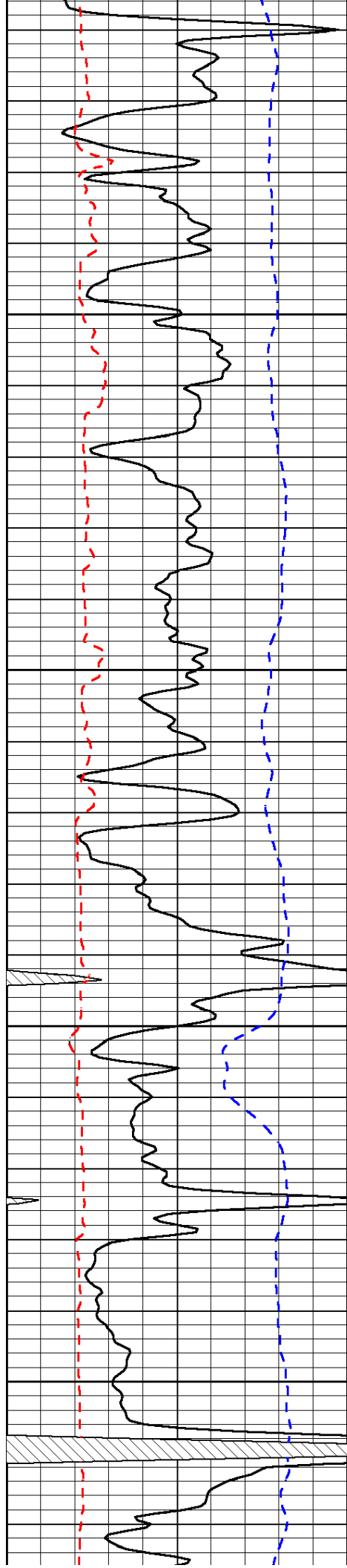
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4500

4550

4600

4650

