



Microresistivity Log

Pioneer Energy Services

API No.

15-109-21,344-00-00

Company **Black Tea Oil, LLC**

Well **Younkin A #1**

Field

County **Logan**

State

Kansas

Location

1560' FNL & 1970' FEL

Sec: **19**

Twp: **14S**

Rge: **33W**

Elevation

K.B. 2912
D.F. 2903
G.L. 2903

Permanent Datum

Ground Level

Elevation 2903

Log Measured From

Kelly Bushing

9

Ft. Above Perm. Datum

Drilling Measured From

Front Kelly Bushing

Date

2/3/2015

Run Number

Two

Depth Driller

4600

Depth Logger

4594

Bottom Logged Interval

4593

Top Log Interval

3600

Casing Driller

8.625 @ 264

Casing Logger

265

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

7.000

Density / Viscosity

9.1 57

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.35 @ 58

Rmf @ Meas. Temp

.26 @ 58

Rmc @ Meas. Temp

.47 @ 58

Source of Rmf / Rmc

Charts

Rm @ BHT

.17 @ 122

Operating Rig Time

5 Hours

Max Rec. Temp. F

122

Equipment Number

51

Location

Hays

Recorded By

C. Desaire

Witnessed By

Kevin Bailey

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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

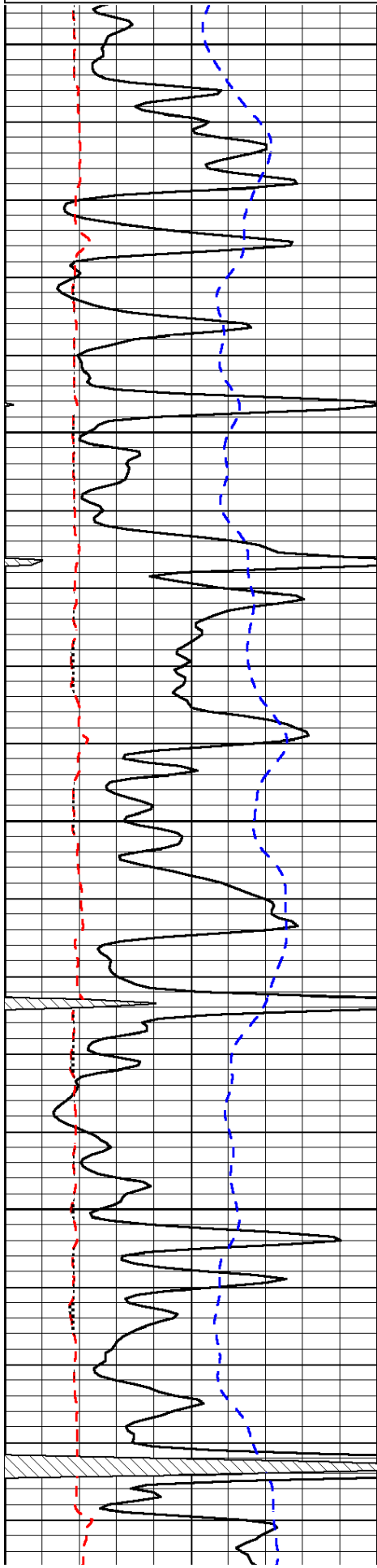
Monument KS, 19 1/2 S, W Into

Database File: c:\warrior\data\black tea_youngkin a #1\bthd.db
Dataset Pathname: dil/btstk2
Presentation Format: micro
Dataset Creation: Tue Feb 03 03:04:56 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

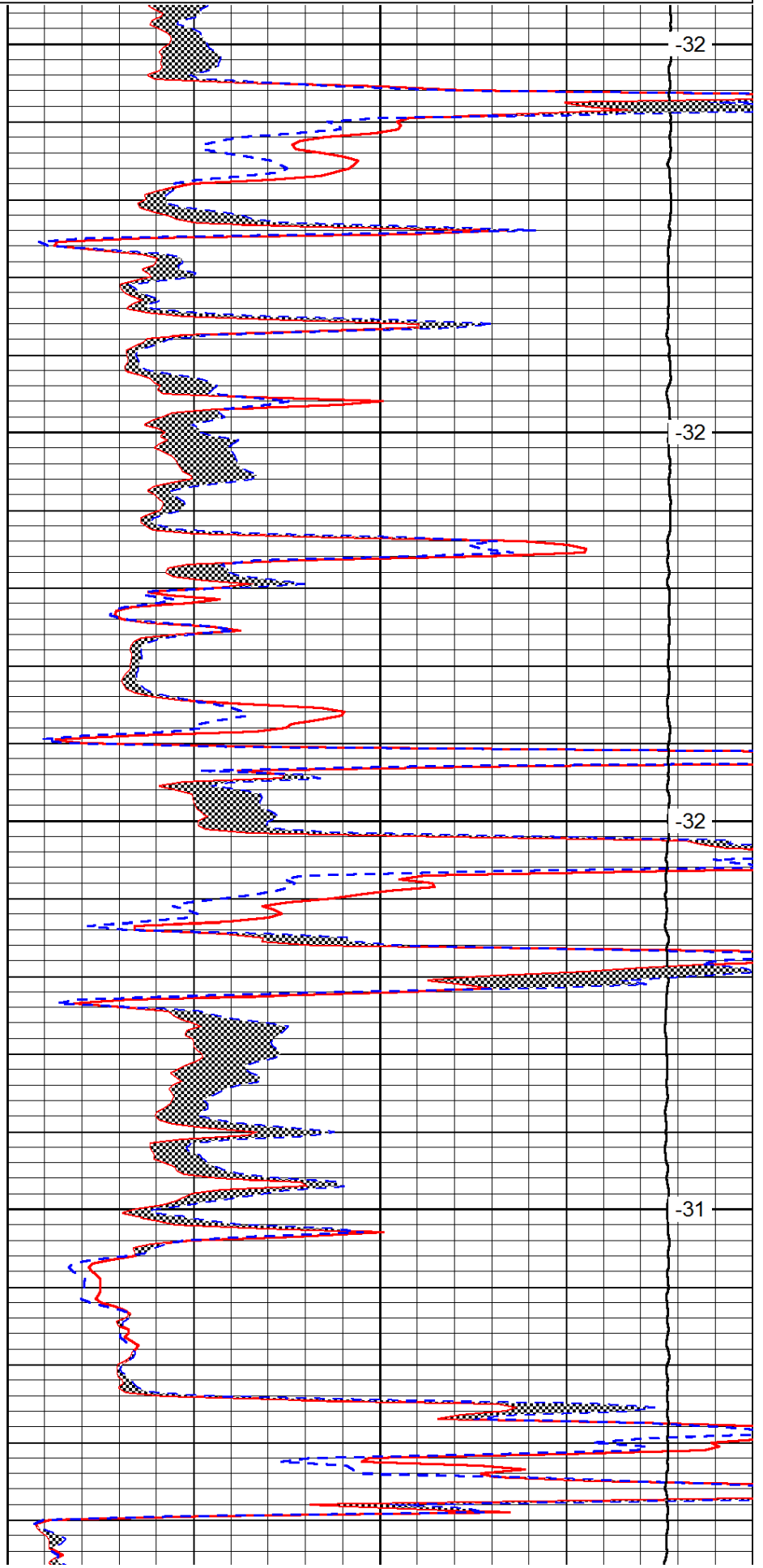


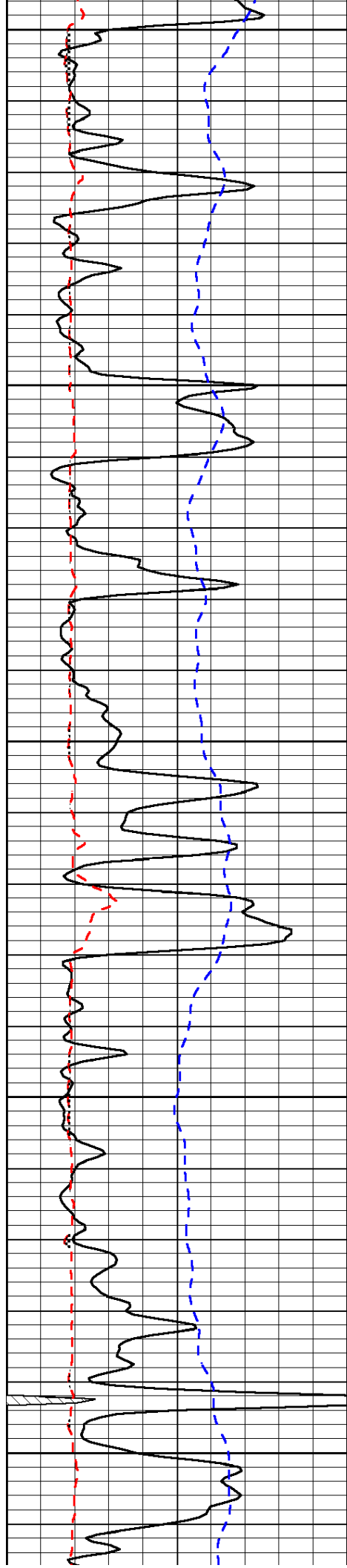
3600

3650

3700

3750





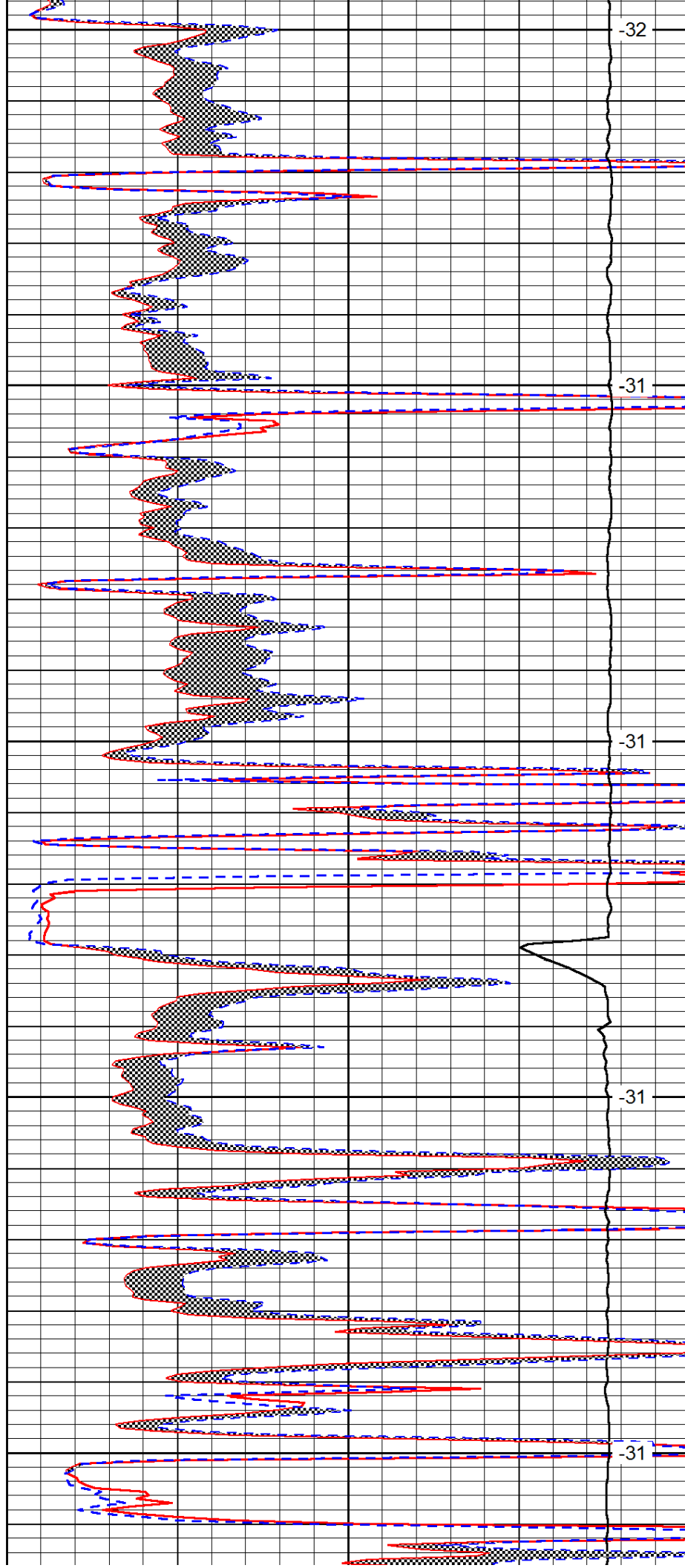
3800

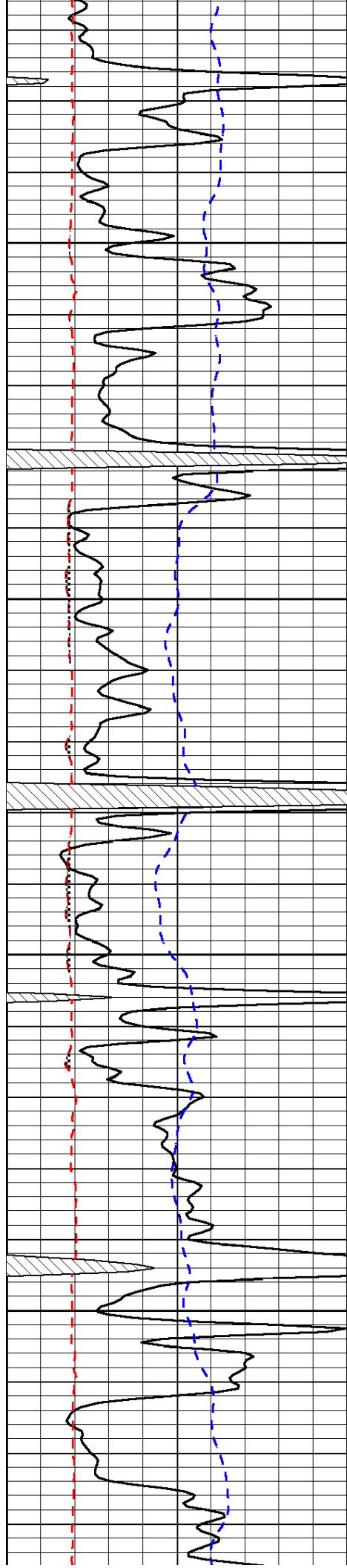
3850

3900

3950

4000



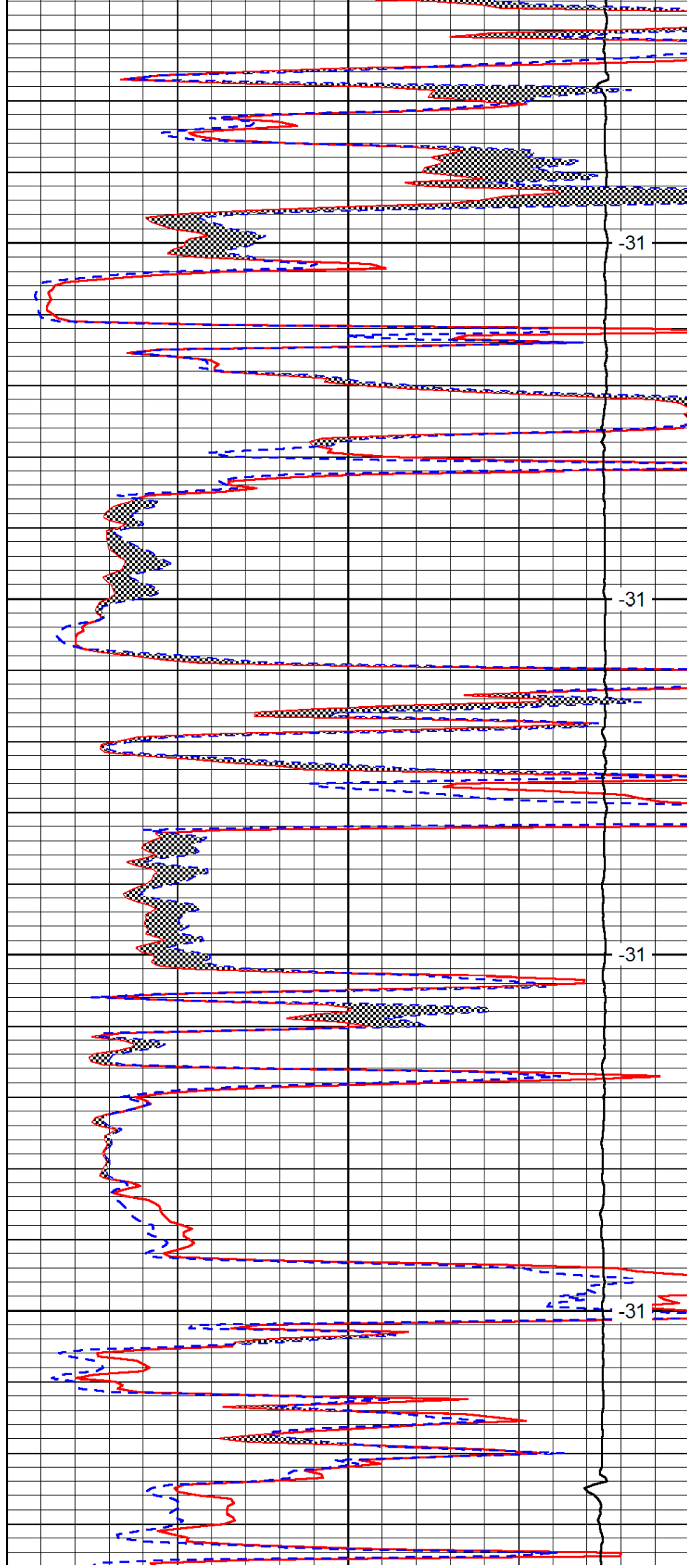


4050

4100

4150

4200

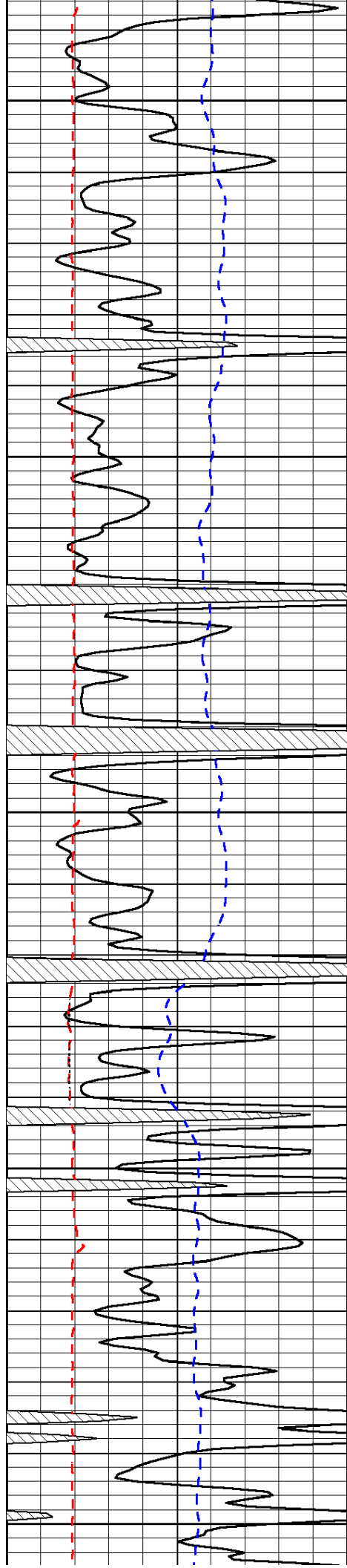


-31

-31

-31

-31



4250

4300

4350

4400

4450

