



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.

15-083-21,811-00-00

Company **Berexco, LLC.**

Well **Terry #1-31**

Field **Wildcat**

County **Hodgeman** State

Kansas

Location

**NE NW SW NE
1615' FNL & 2280' FEL**

Sec: **31**

Twp: **23 S**

Rge: **23 W**

Elevation

K.B. 2460
D.F. 2447
G.L. 2447

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 2447
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

7/30/2012

Run Number

Two

Depth Driller

4810

Depth Logger

4816

Bottom Logged Interval

4815

Top Log Interval

3300

Casing Driller

8.625 @ 285

Casing Logger

280

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6.000

Density / Viscosity

9.3 48

pH / Fluid Loss

9.5 9.2

Source of Sample

Flowline

Rm @ Meas. Temp

.70 @ 80

Rmf @ Meas. Temp

.53 @ 80

Rmc @ Meas. Temp

.95 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

.44 @ 126

Operating Rig Time

4 Hours

Max Rec. Temp. F

126

Equipment Number

91

Location

Hays

Recorded By

K. Bange

Witnessed By

David Gould

<<< Fold Here >>>

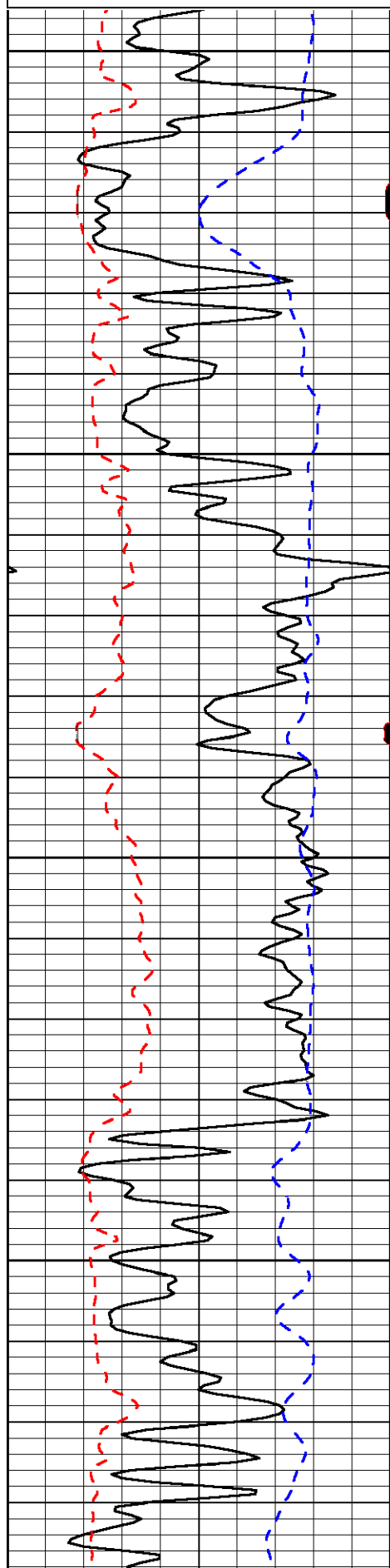
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

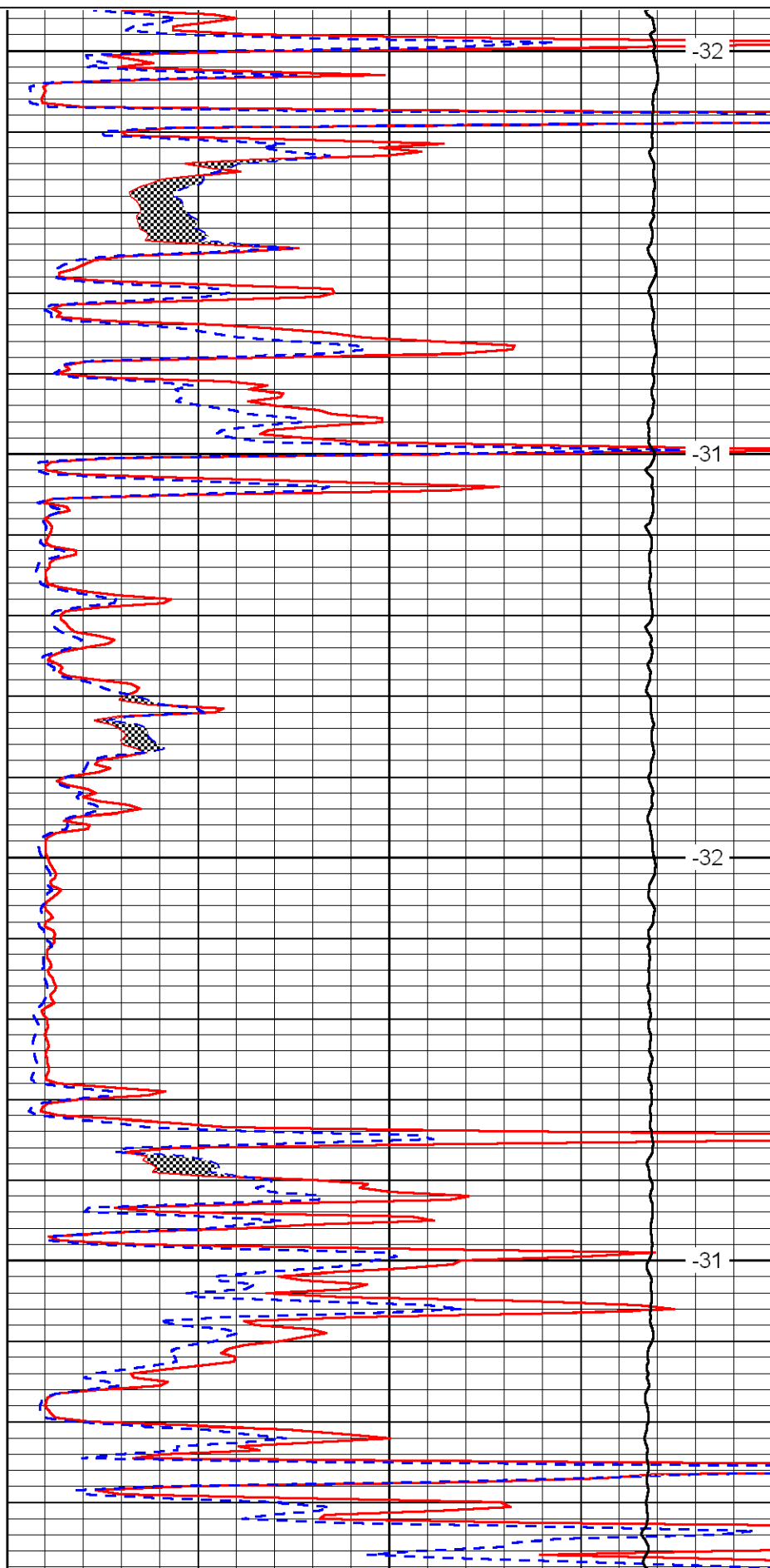
Thank you for using Log-Tech, Inc.
(785) 625-3858
Jetmore, KS., 5 S to G rd,
1 E, 1/2 N,
1/2 W (on lease rd),
N into

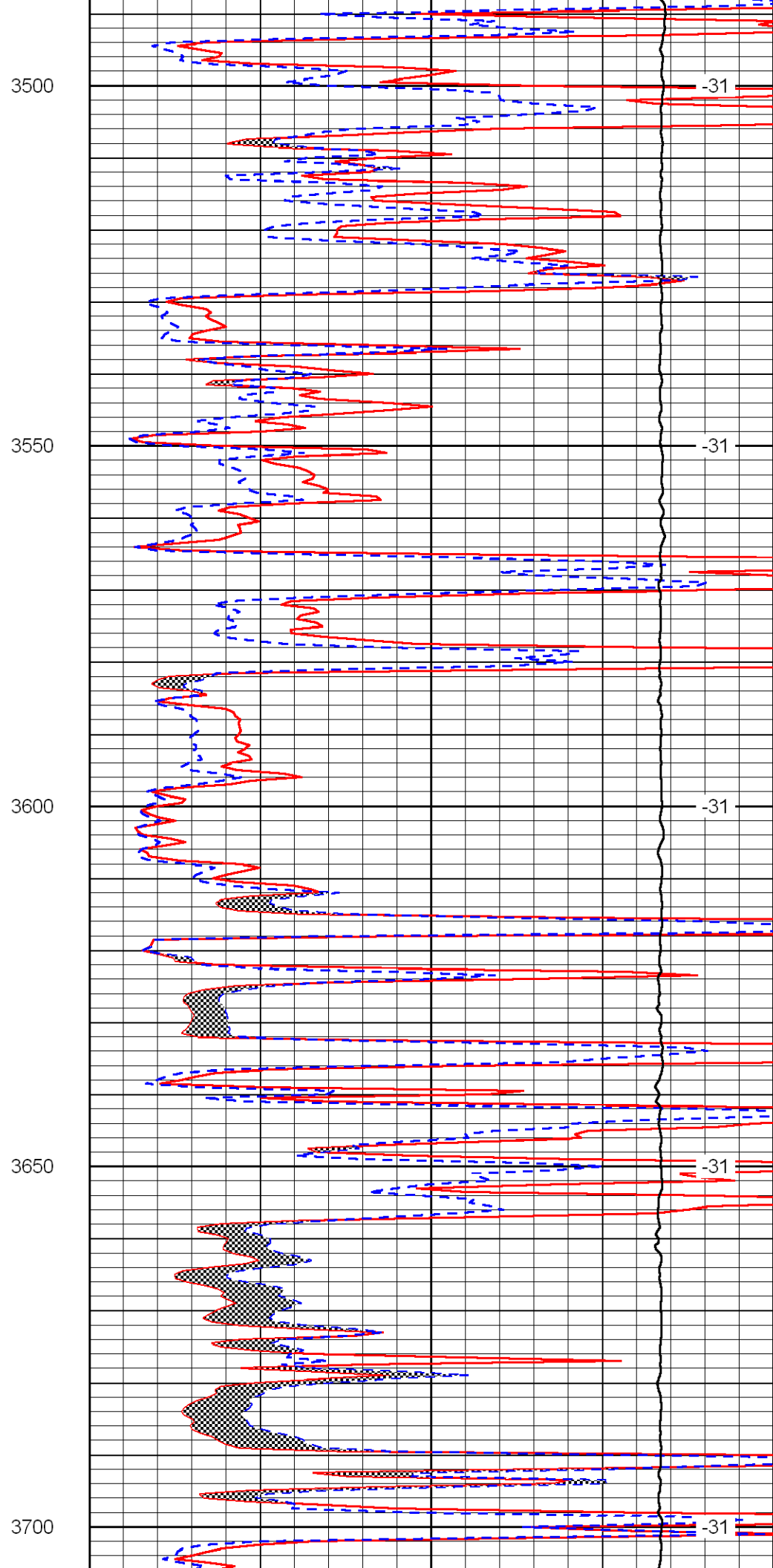
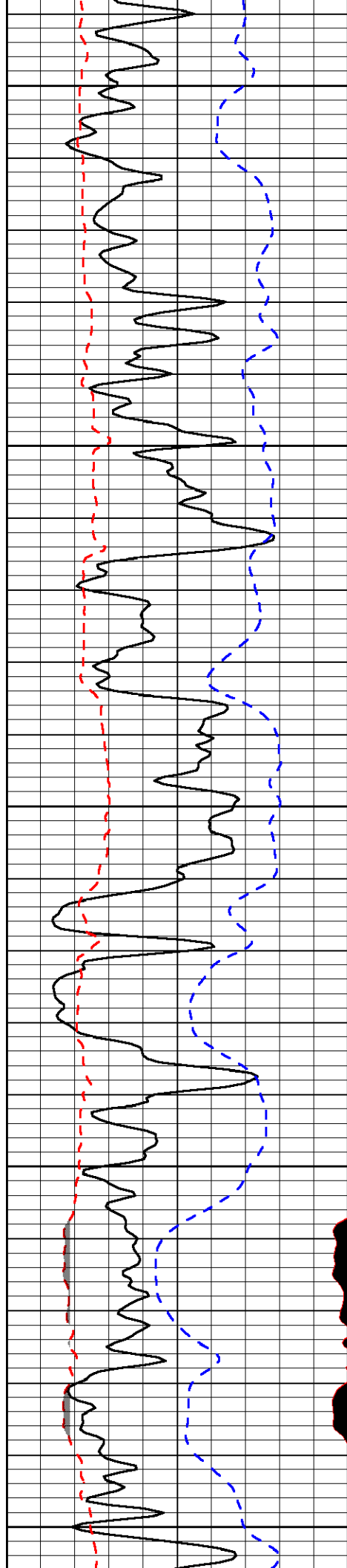
Database File: berexco073012hd.db
Dataset Pathname: dil/berexstack
Presentation Format: micro
Dataset Creation: Mon Jul 30 16:55:23 2012
Charted by: Depth in Feet scaled 1:240

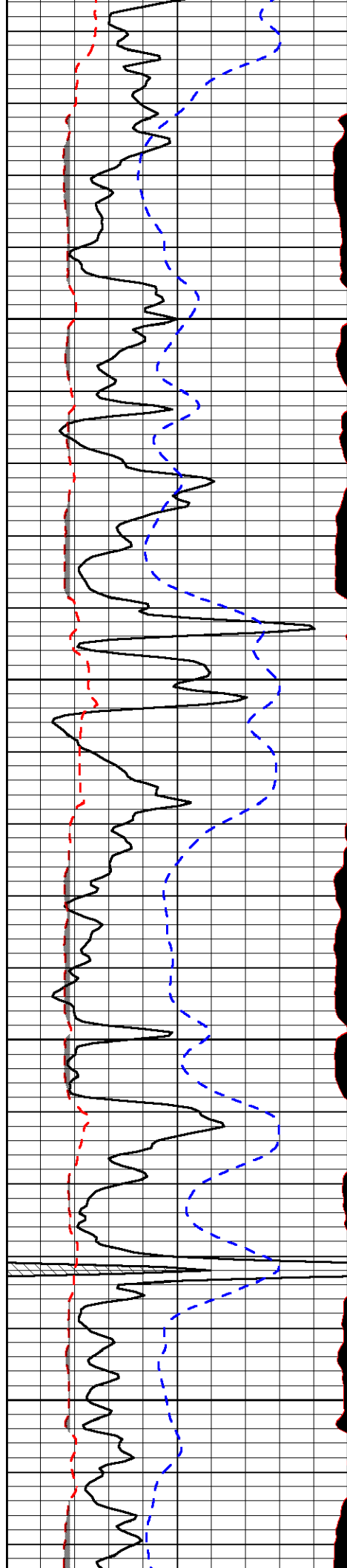
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0





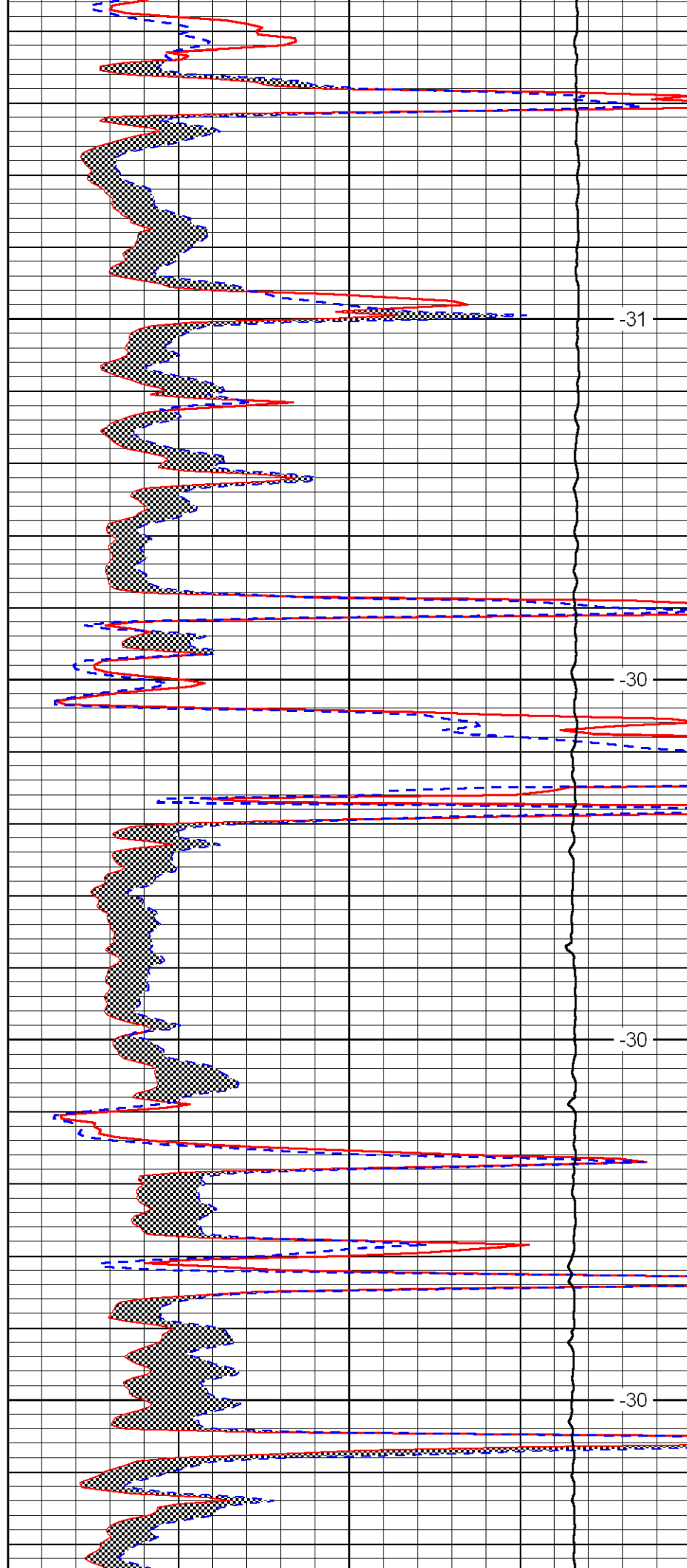


3750

3800

3850

3900

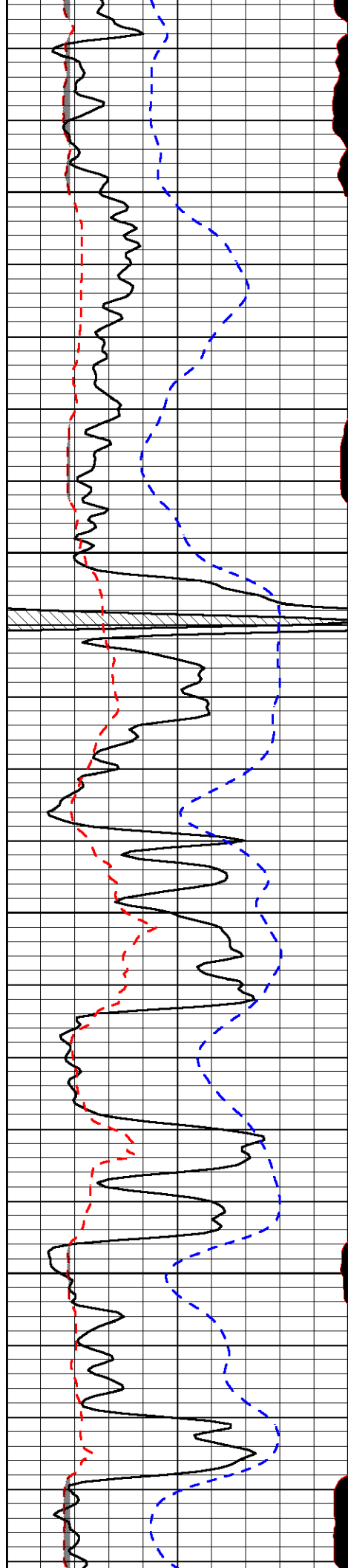


-31

-30

-30

-30

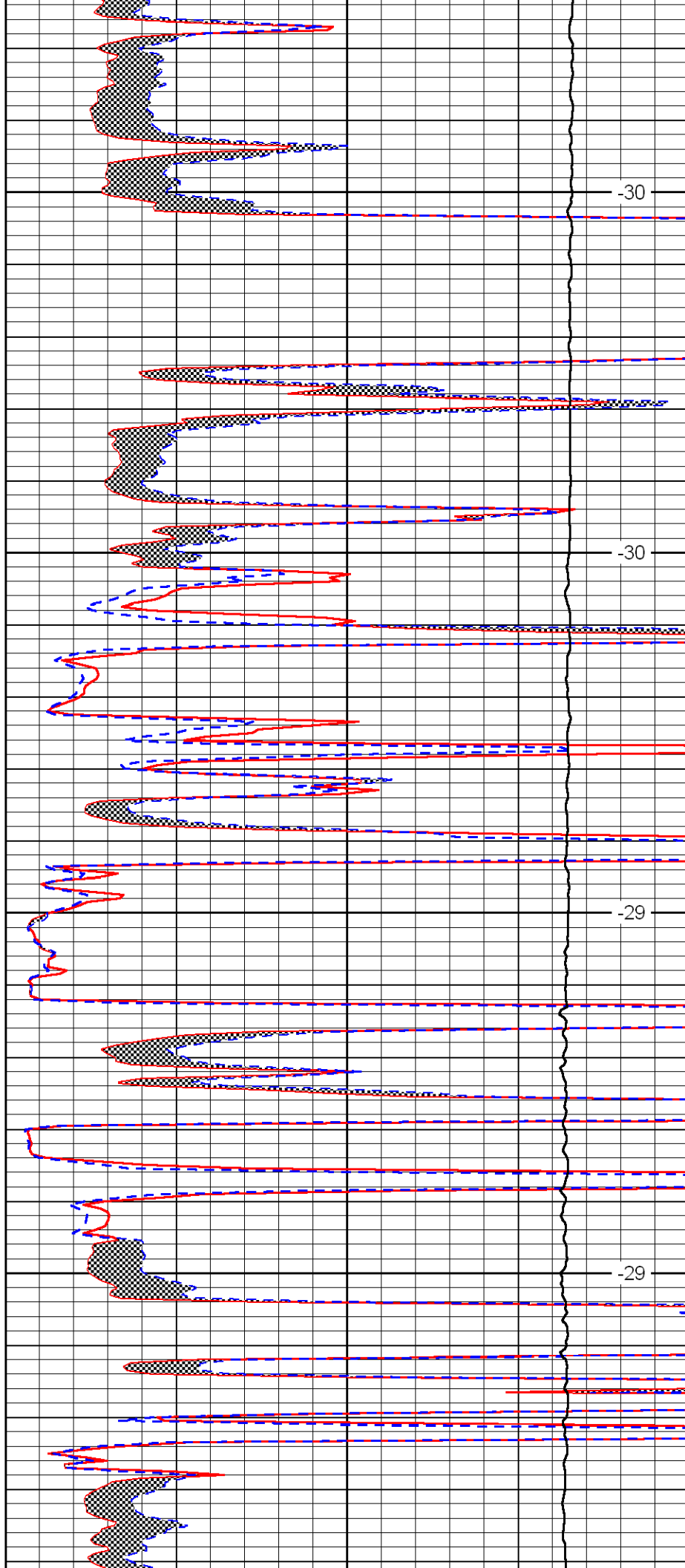


3950

4000

4050

4100

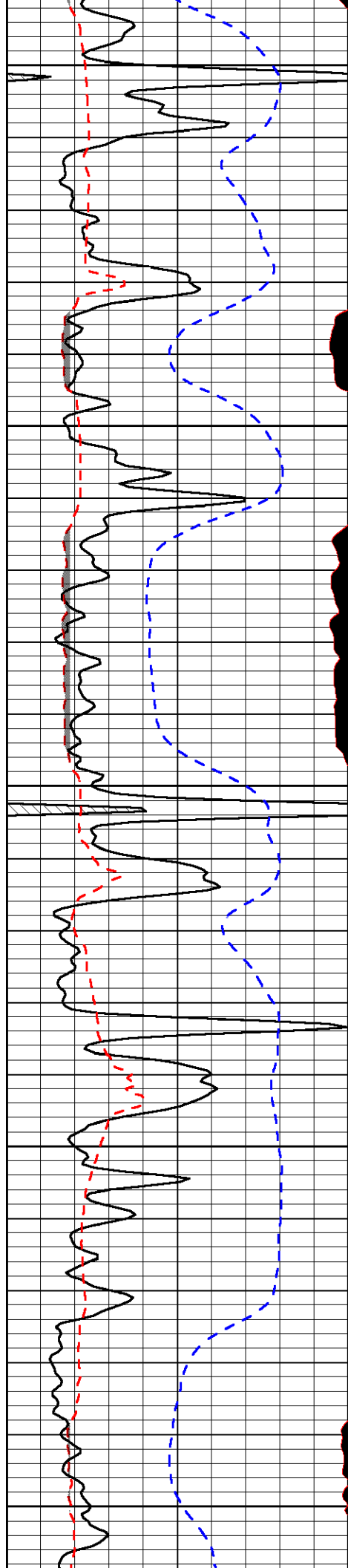


-30

-30

-29

-29



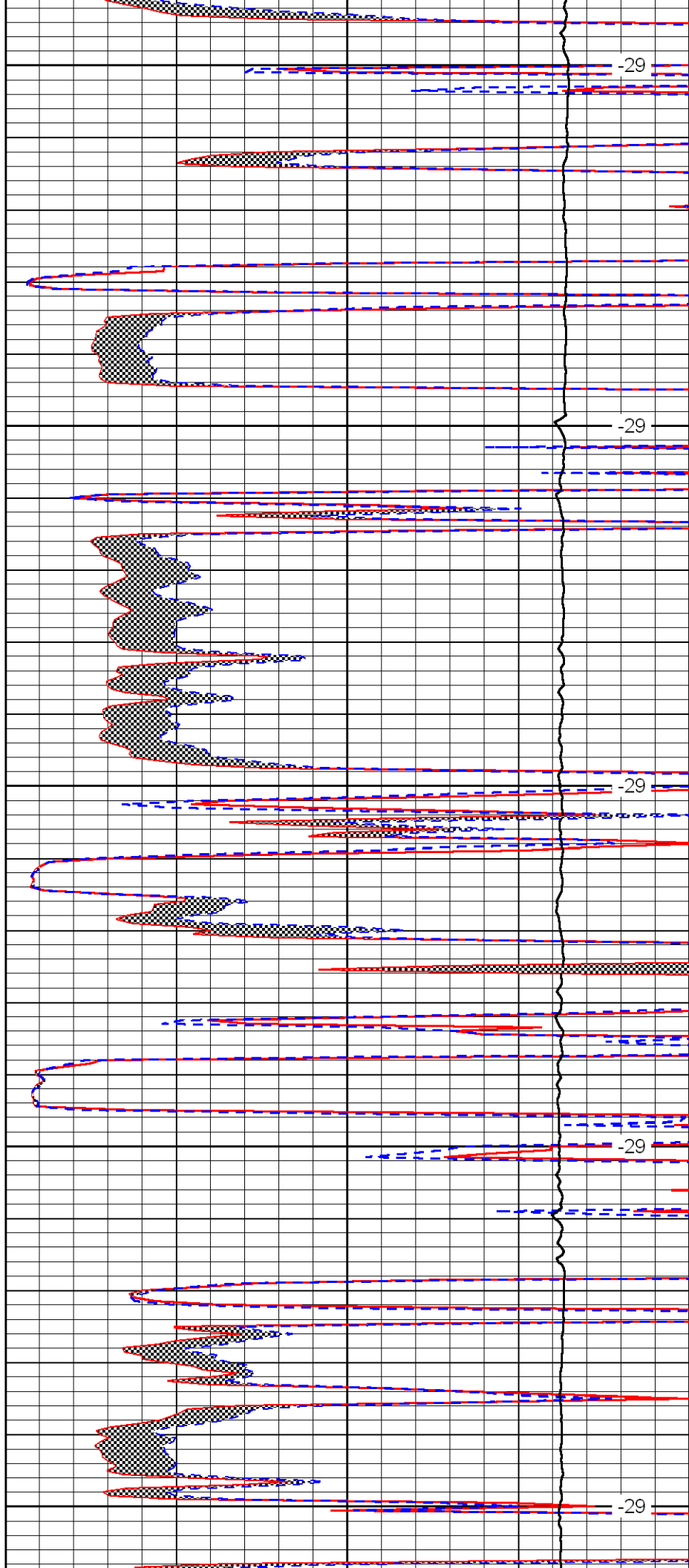
4150

4200

4250

4300

4350



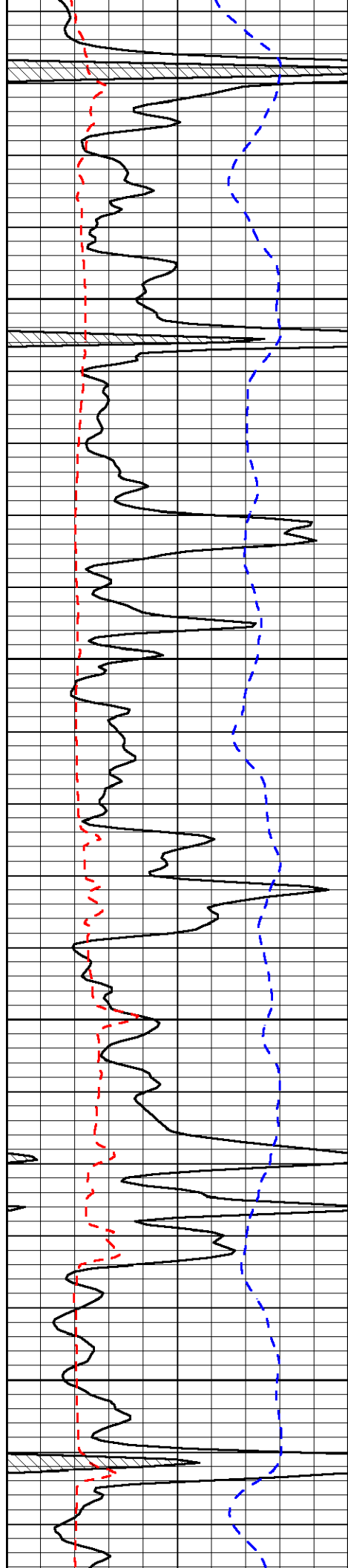
-29

-29

-29

-29

-29

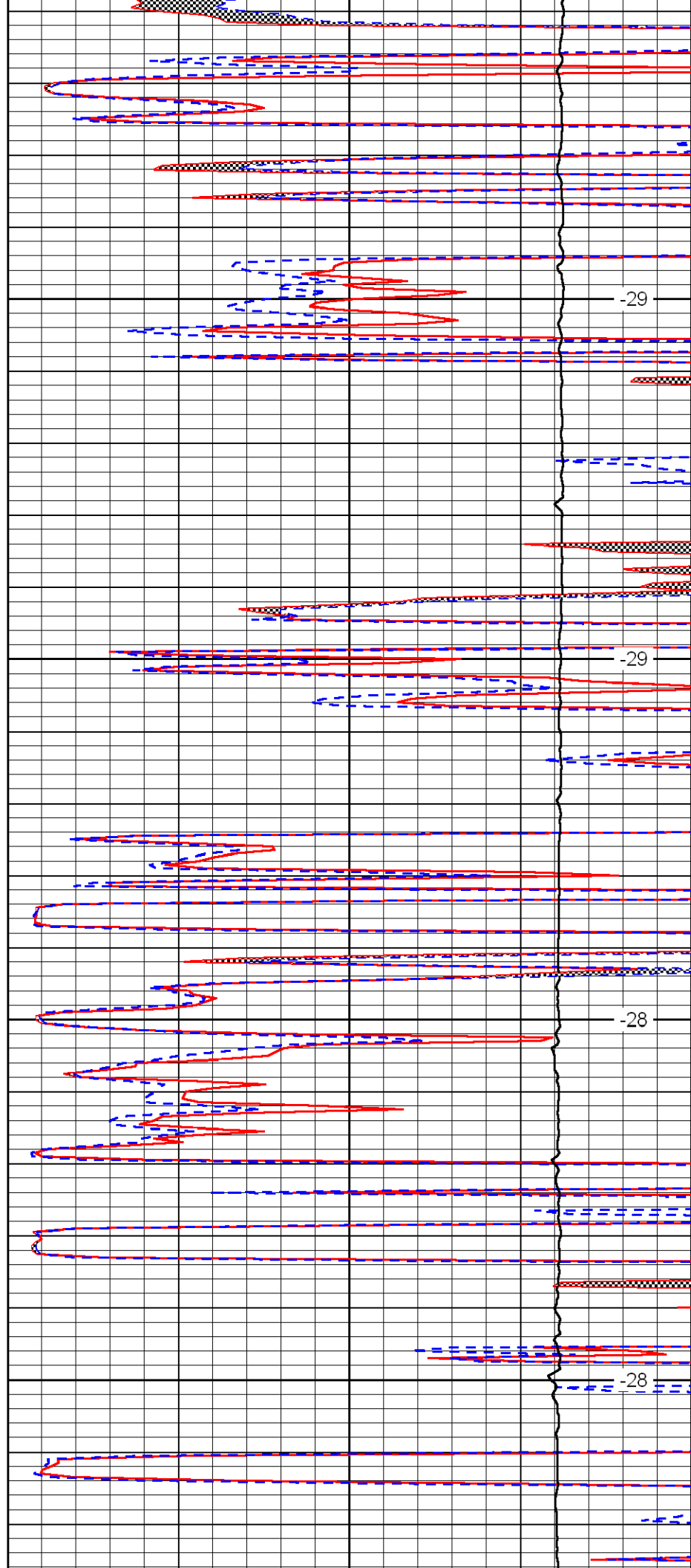


4400

4450

4500

4550

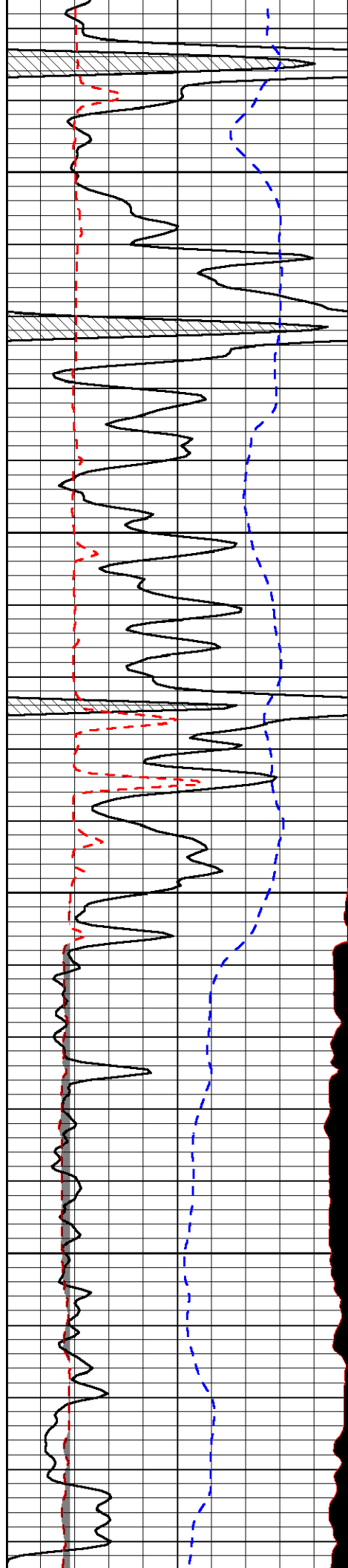


-29

-29

-28

-28

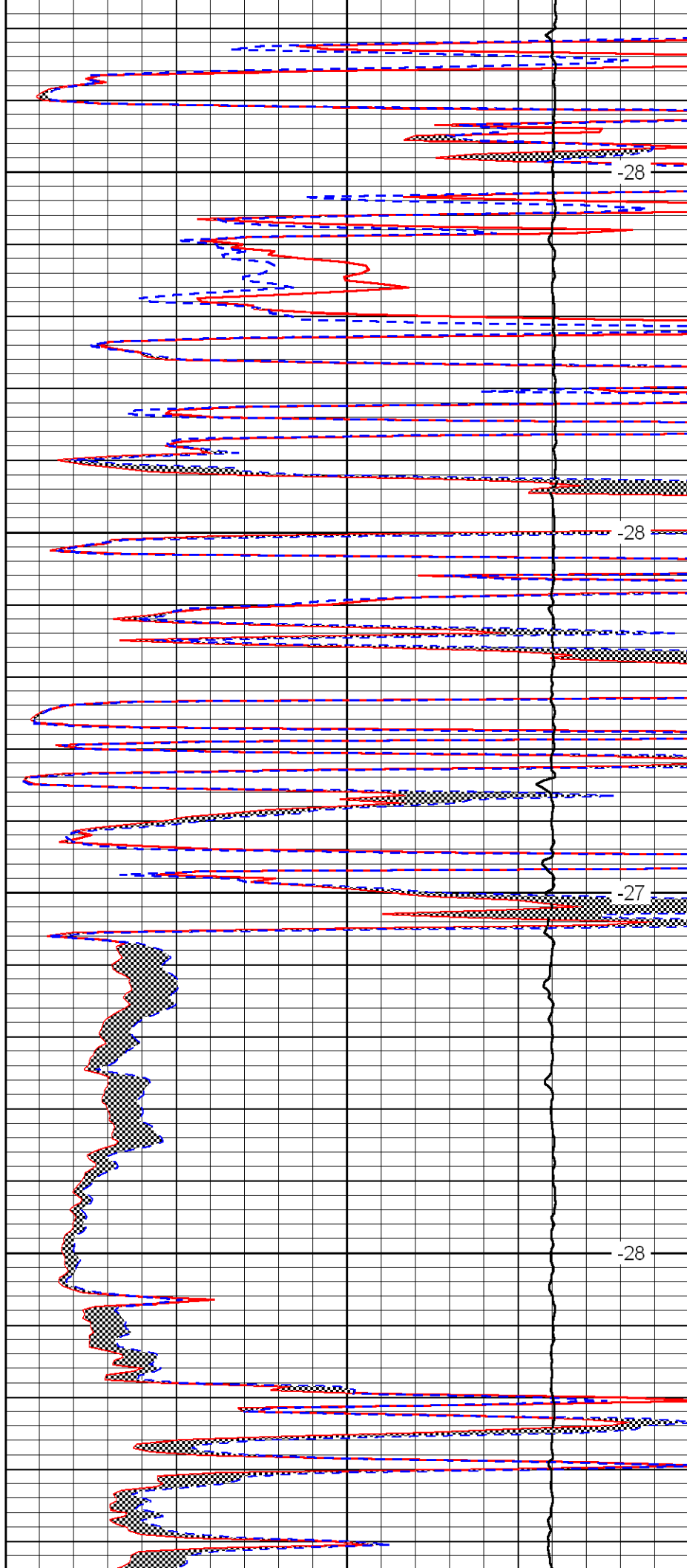


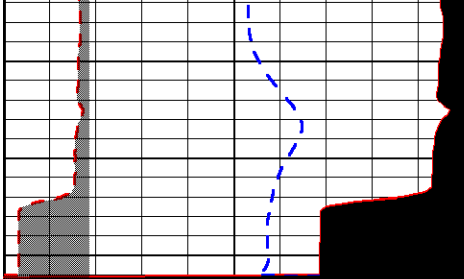
4600

4650

4700

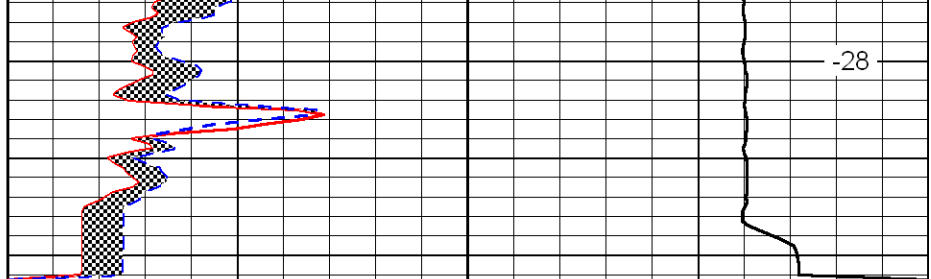
4750





4800

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0



-28

0	Micro Inverse 1 X 1	40
0	Micro Normal 2''	40
10000	Line Weight	0

LSPD