



Microresistivity Log

Pioneer Energy Services

API No.

15-007-24,138-00-00

Company White Exploration, Inc.

Well Chain Ranch "B" No. 2

Field Amber Creek

County Barber State

Kansas

Location 330' FNL & 330' FWL

Sec: 1 Twp: 31S Rge: 12W

Other Services
CNL/CDL
DIL/BHCS

Permanent Datum Ground Level Elevation 1620

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 1630
D.F. 1620
G.L. 1620

Date 3/14/2014

Run Number Two

Depth Driller 4450

Depth Logger 4450

Bottom Logged Interval 4449

Top Log Interval 3000

Casing Driller 8.625 @ 309

Casing Logger 310

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity,ppm CL 4000

Density / Viscosity 9.4 44

pH / Fluid Loss 10.0 9.2

Source of Sample Flowline

Rm @ Meas. Temp .52 @ 74

Rmf @ Meas. Temp .39 @ 74

Rmc @ Meas. Temp .70 @ 74

Source of Rmf / Rmc Charts

Rm @ BHT .32 @ 121

Operating Rig Time 4 1/2 Hours

Max Rec. Temp. F 121

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Andy White

<<< 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.

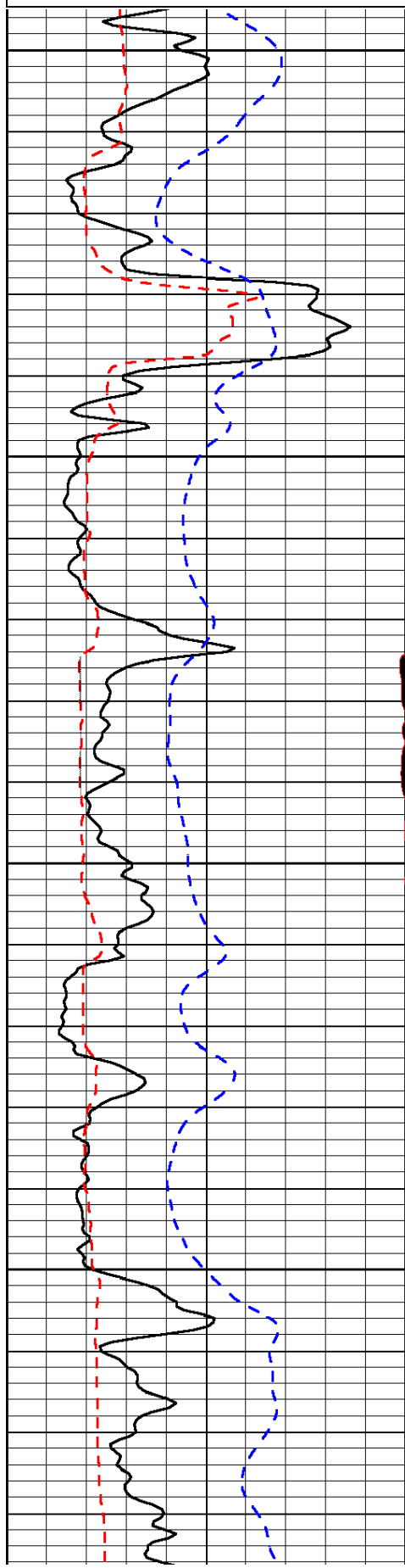
Comments

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

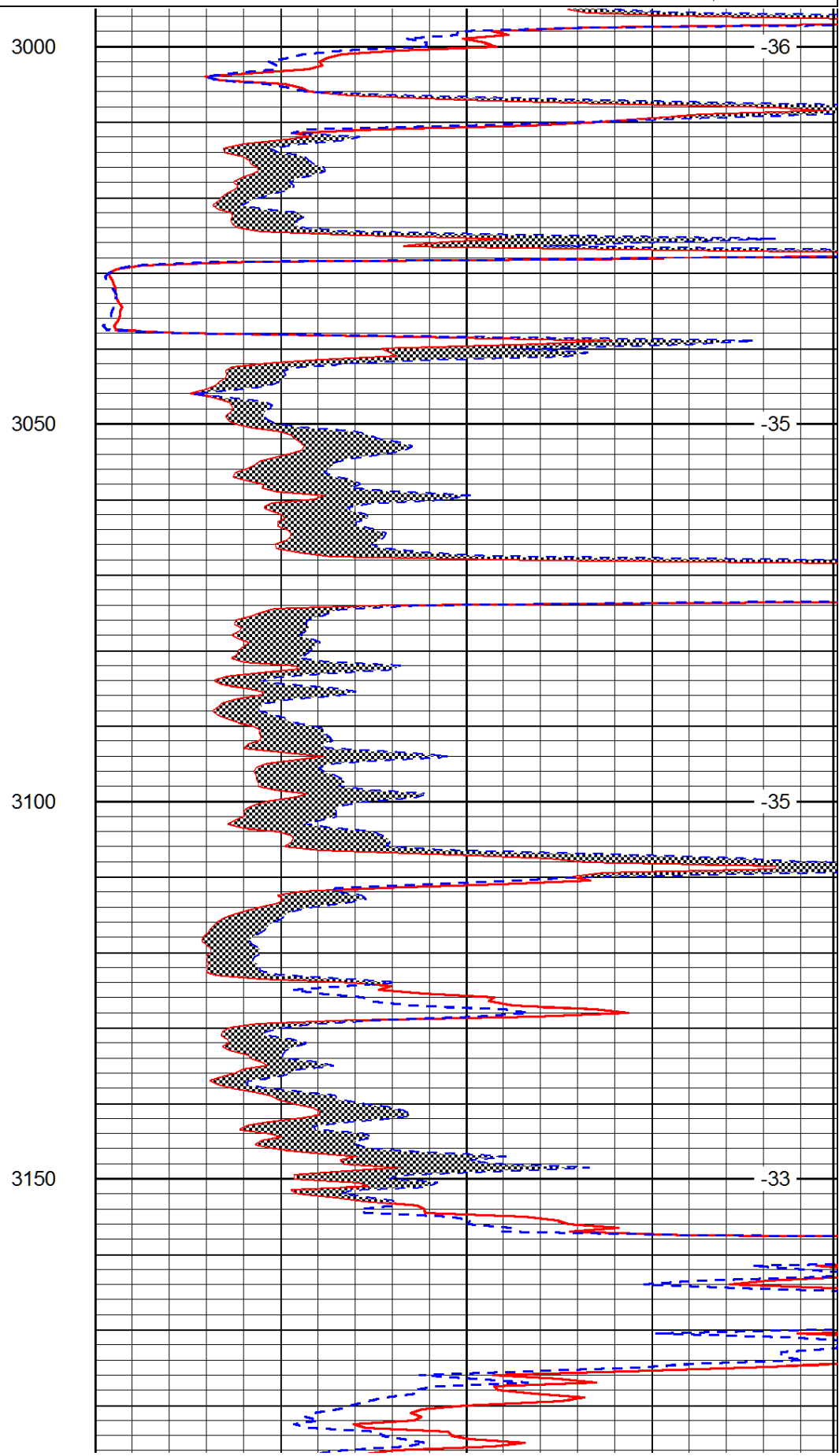
Medicine Lodge, 7 North to Resort Road (99 Springs Road), 1/2 East and North, 1/4 East,
South Into

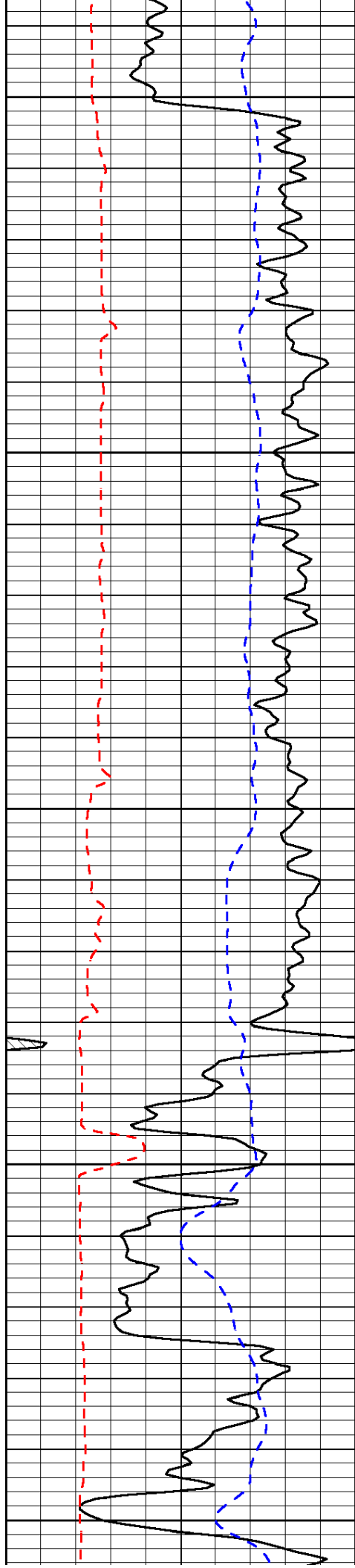
Database File: whiteexploration_chainranch_b_2hd.db
Dataset Pathname: dil/whitstck
Presentation Format: micro
Dataset Creation: Fri Mar 14 15:29:05 2014
Charted by: Depth in Feet scaled 1:240

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



0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





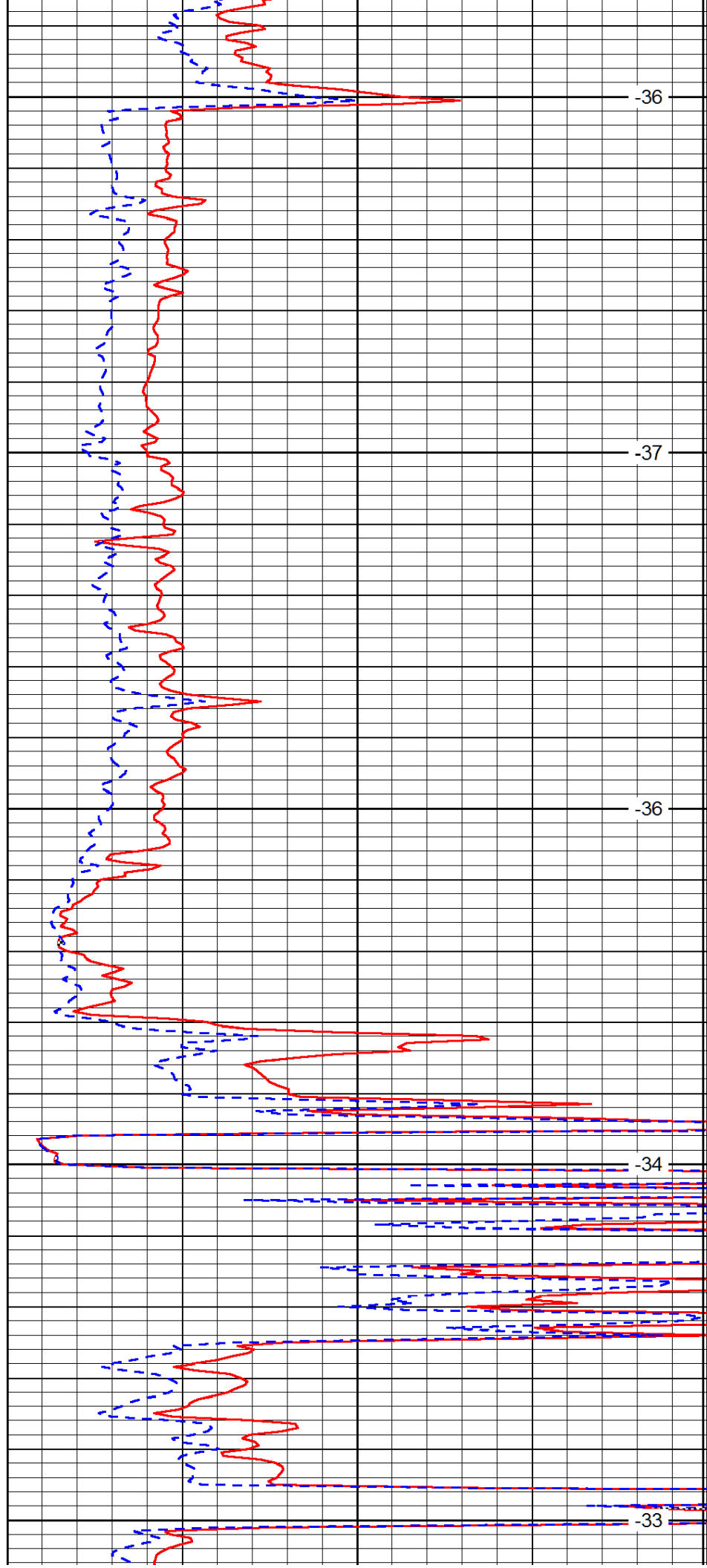
3200

3250

3300

3350

3400



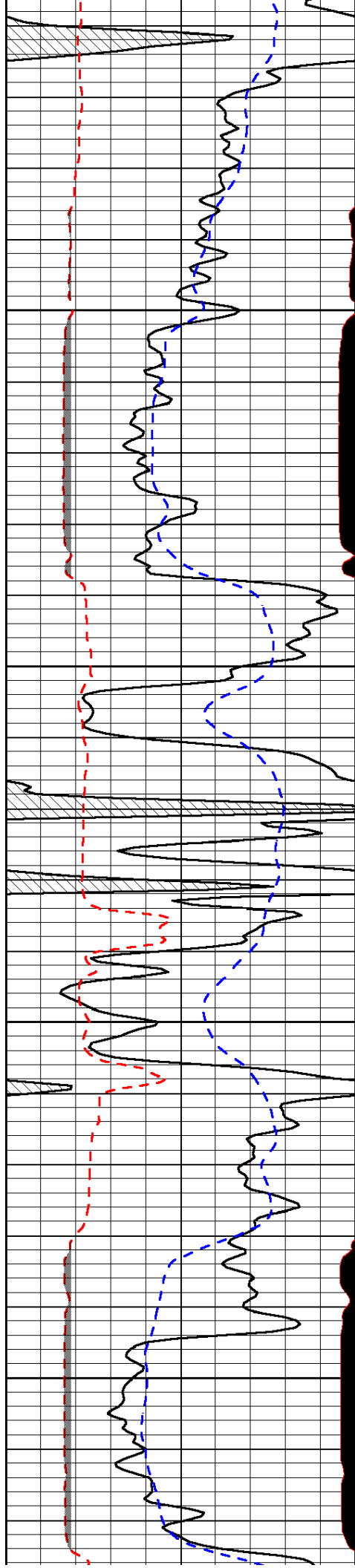
-36

-37

-36

-34

-33

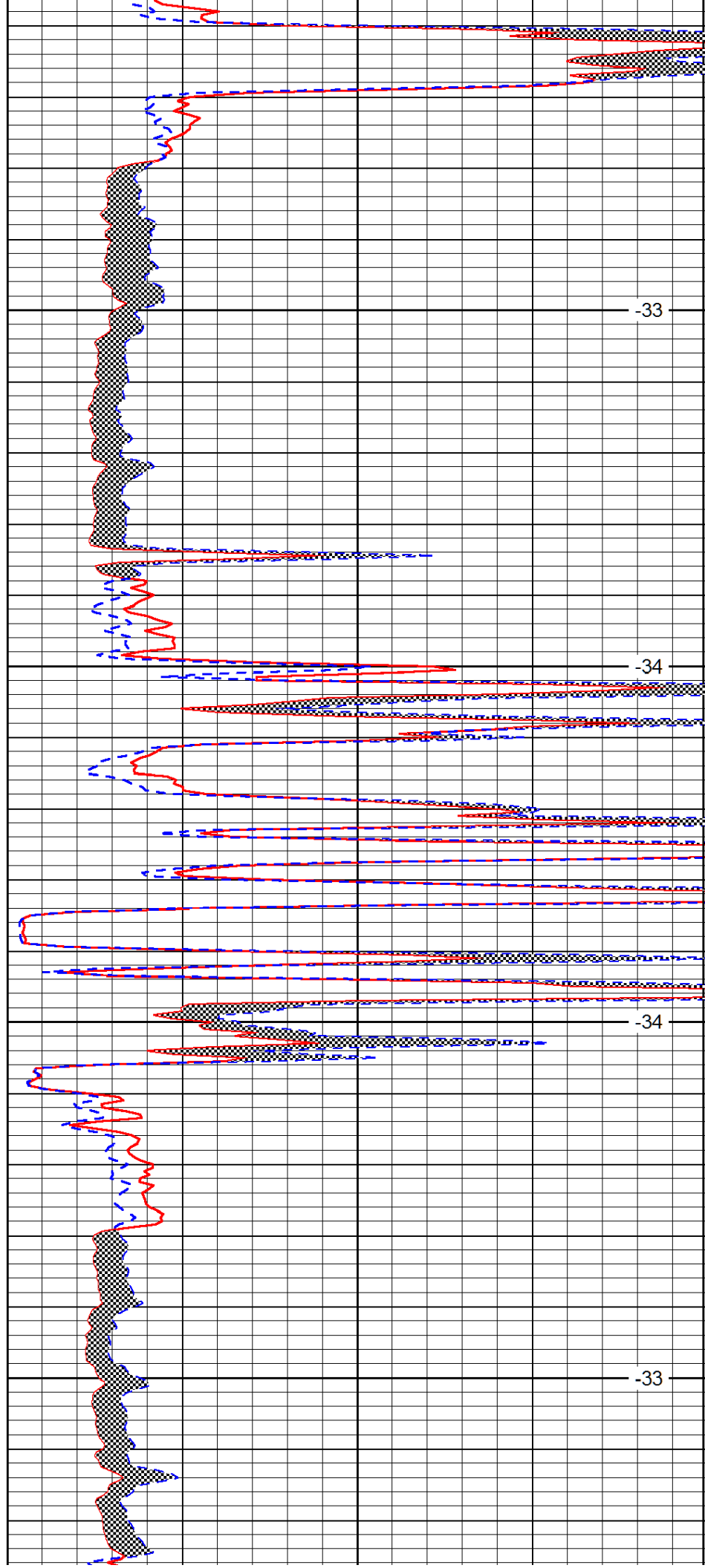


3450

3500

3550

3600

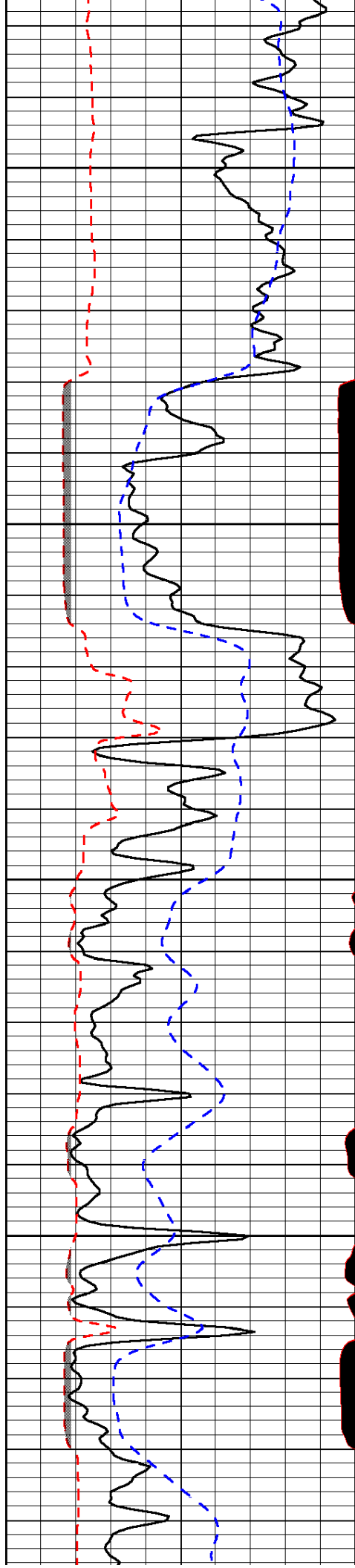


-33

-34

-34

-33

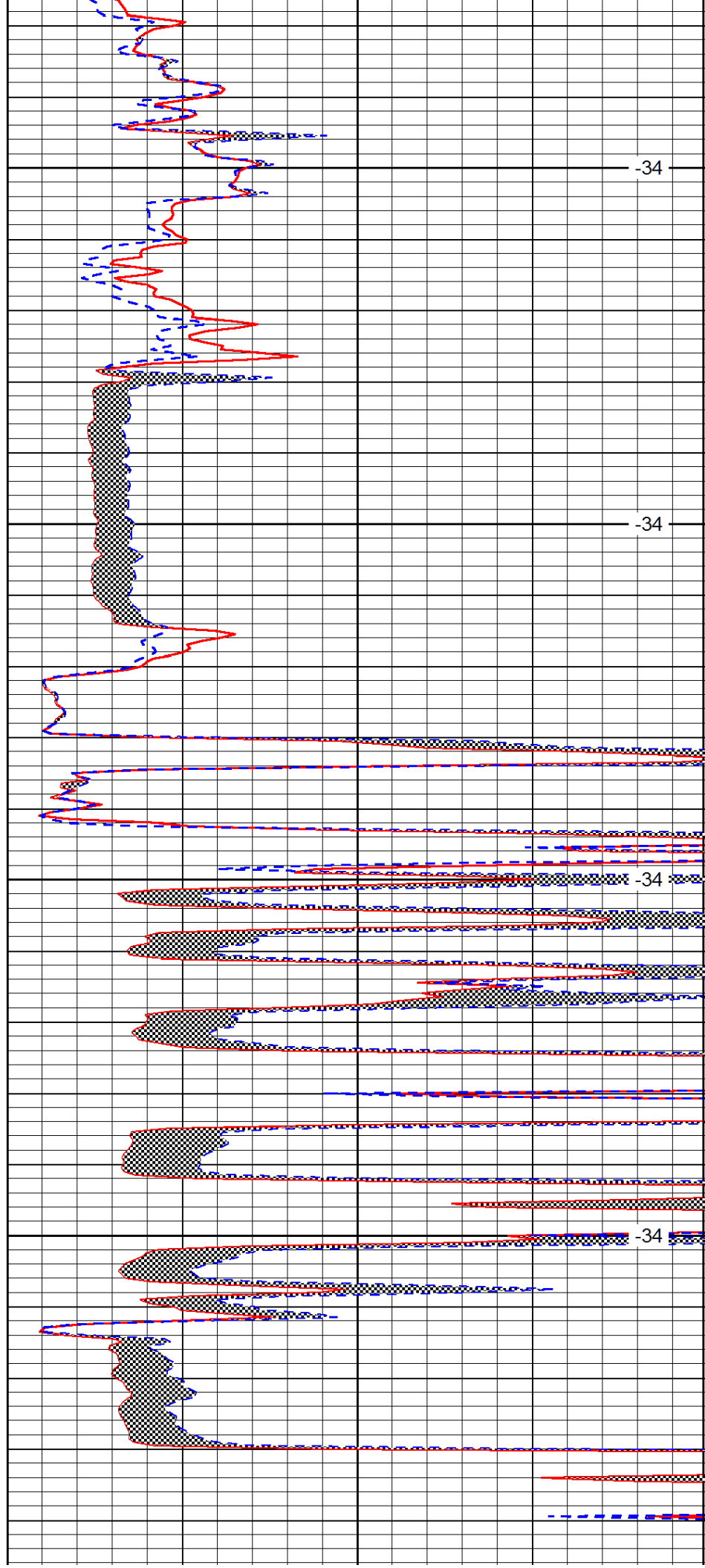


3650

3700

3750

3800

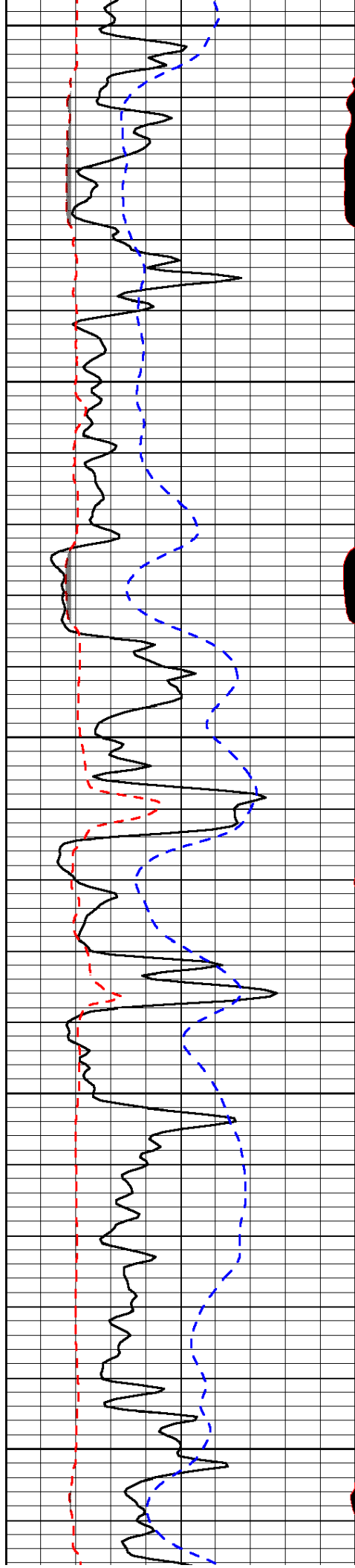


-34

-34

-34

-34



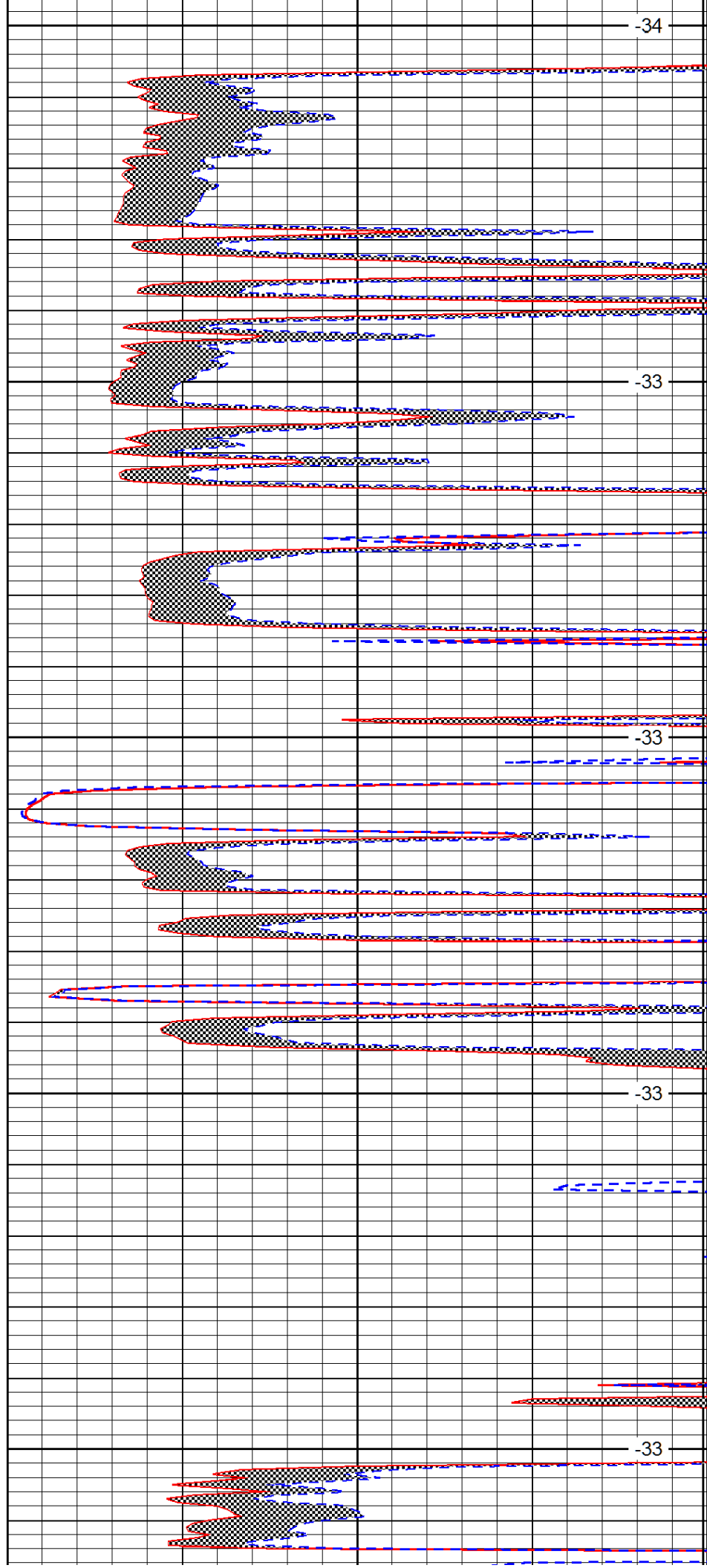
3850

3900

3950

4000

4050



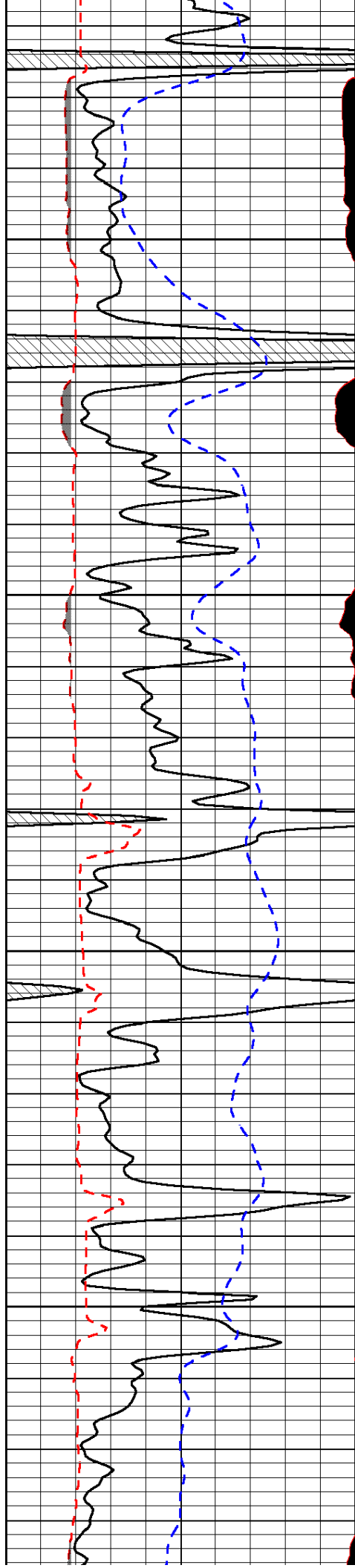
-34

-33

-33

-33

-33

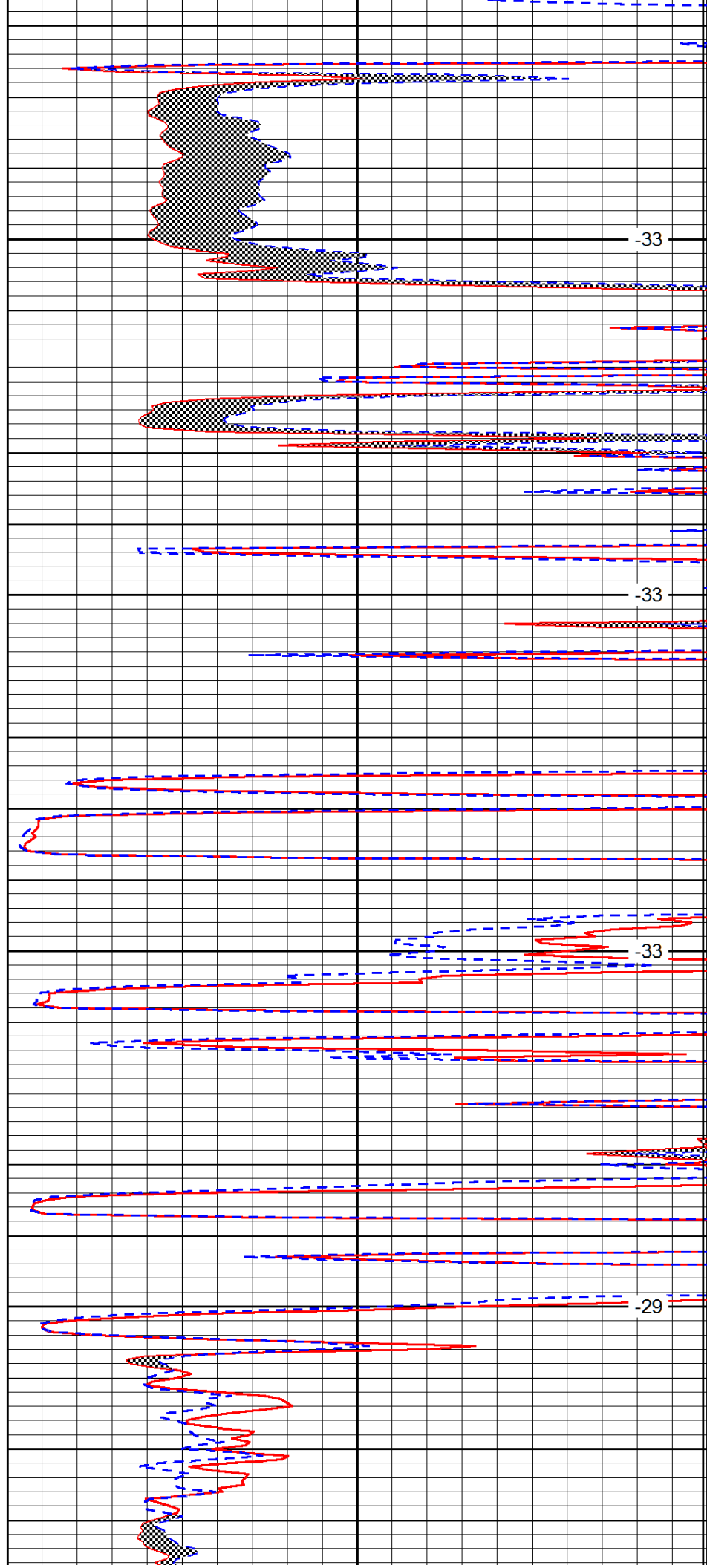


4100

4150

4200

4250

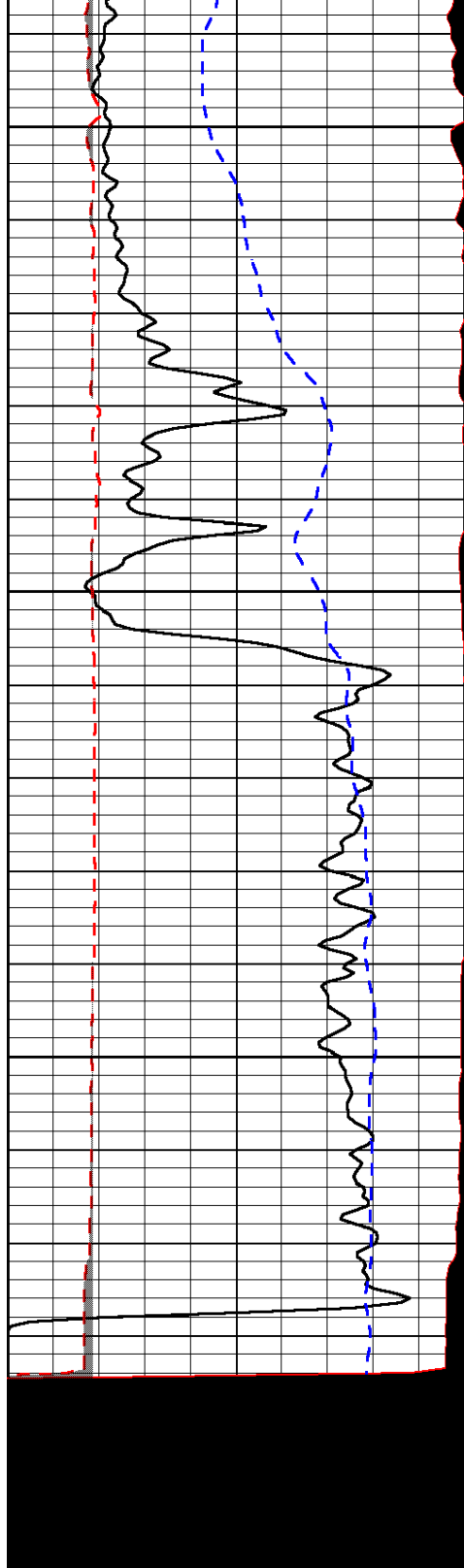


-33

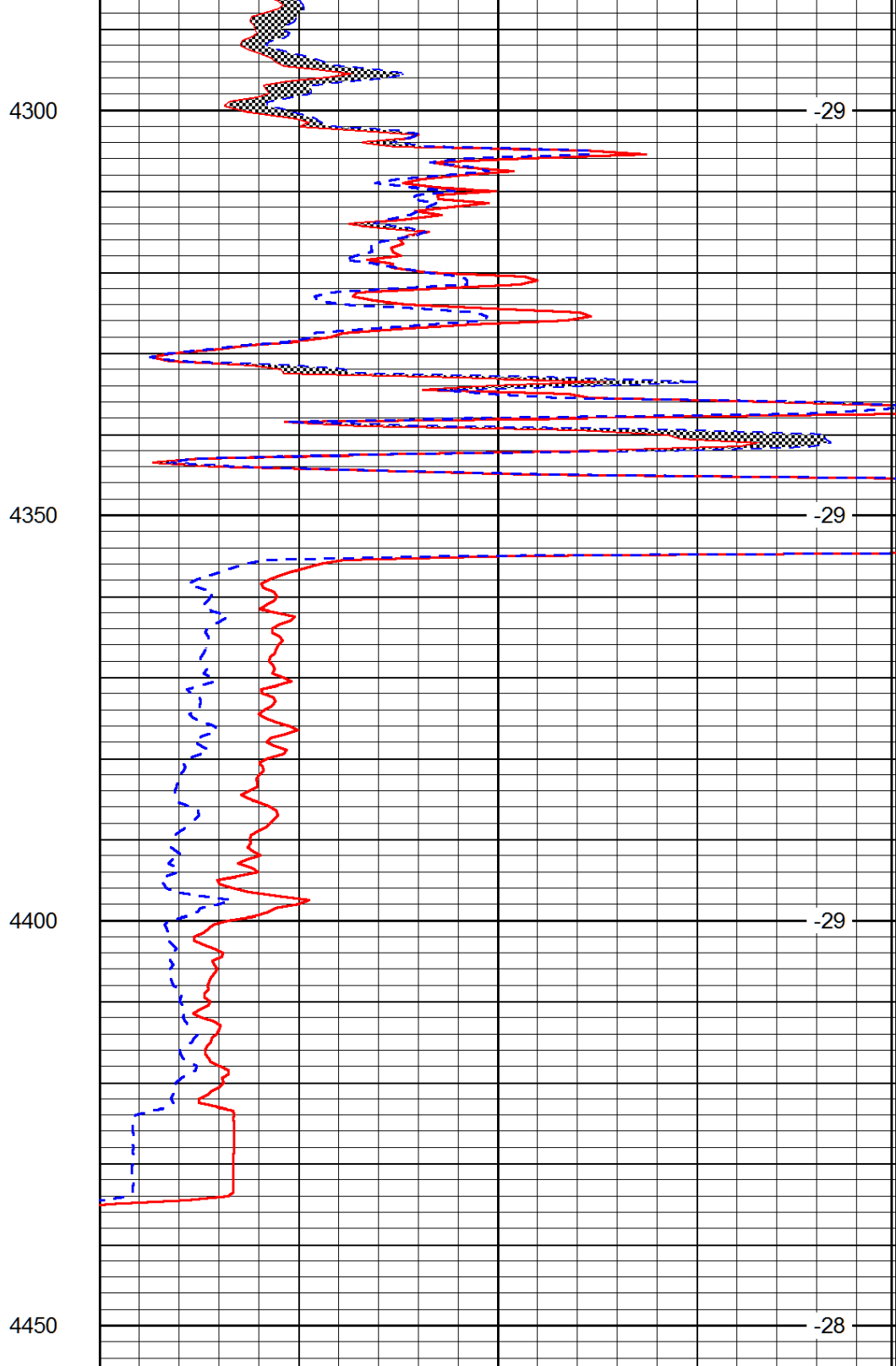
-33

-33

-29



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



0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD
(ft/min)