



Microresistivity Log

Pioneer Energy Services

API No.

15-009-24,483-00-01

Company Edison Operating Company, LLC

Well Henry Zahorsky 'OWWO' No. 9

Field Chase-Silica

County

Barton

State

Kansas

Location

1,320' FSL & 1,320' FEL

Sec: 14

Twp: 20S

Rge: 11W

Elevation

Permanent Datum Ground Level Elevation 1751
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1756
D.F.
G.L. 1751

Date

11/10/2014

Run Number

Two

Depth Driller

3510

Depth Logger

3504

Bottom Logged Interval

3503

Top Log Interval

2400

Casing Driller

8.625 @ 736

Casing Logger

735

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

59000

Density / Viscosity

9.2 44

pH / Fluid Loss

9.0 N/C

Source of Sample

Flowline

Rm @ Meas. Temp

.08 @ 63

Rmf @ Meas. Temp

.06 @ 63

Rmc @ Meas. Temp

.11 @ 63

Source of Rmf / Rmc

Charts

Rm @ BHT

.05 @ 111

Operating Rig Time

4 Hours

Max Rec. Temp. F

111

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Kelly Brannum

<<< 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.

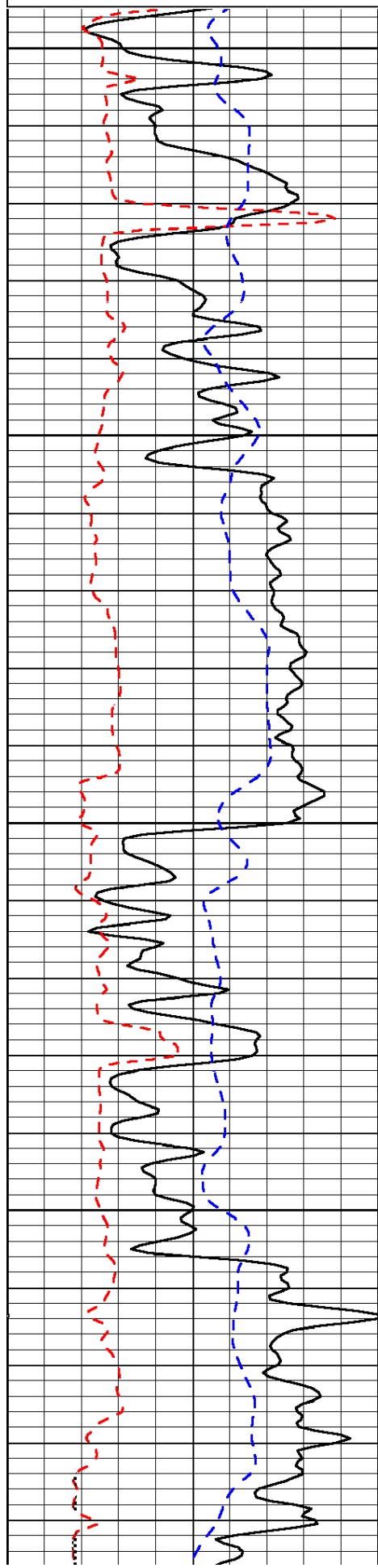
Comments

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

Ellinwood, South to 50 Road, 5 East, 1 1/4 North, West Into

Database File: edisonoperating_henryzahorsky_owwo_9hd.db
Dataset Pathname: dil/edstck
Presentation Format: micro20
Dataset Creation: Mon Nov 10 01:09:08 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



2400

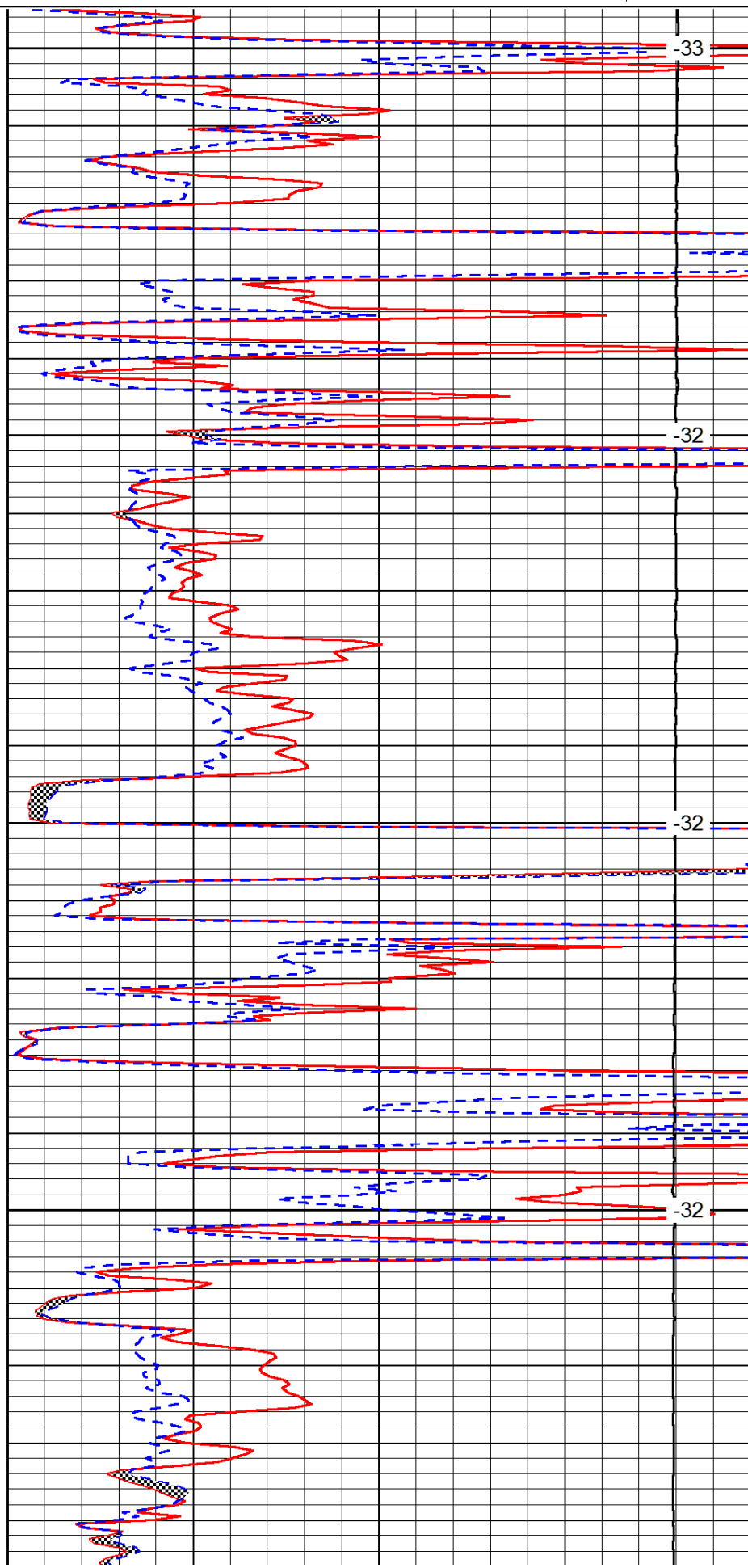
2450

2500

2550

0	Micro Inverse 1 X 1	20
0	Micro Normal 2"	20
10000	Line Weight	0

LSPD

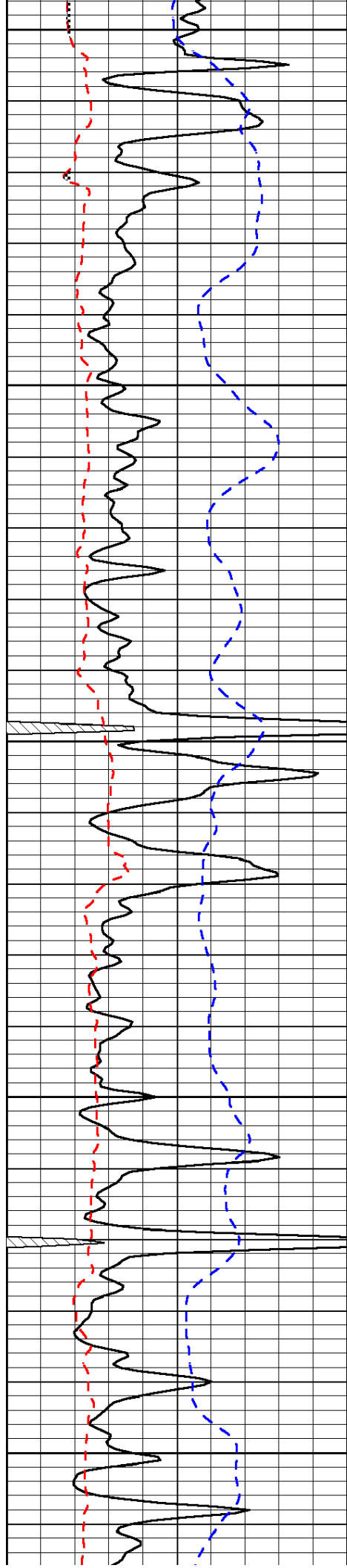


-33

-32

-32

-32



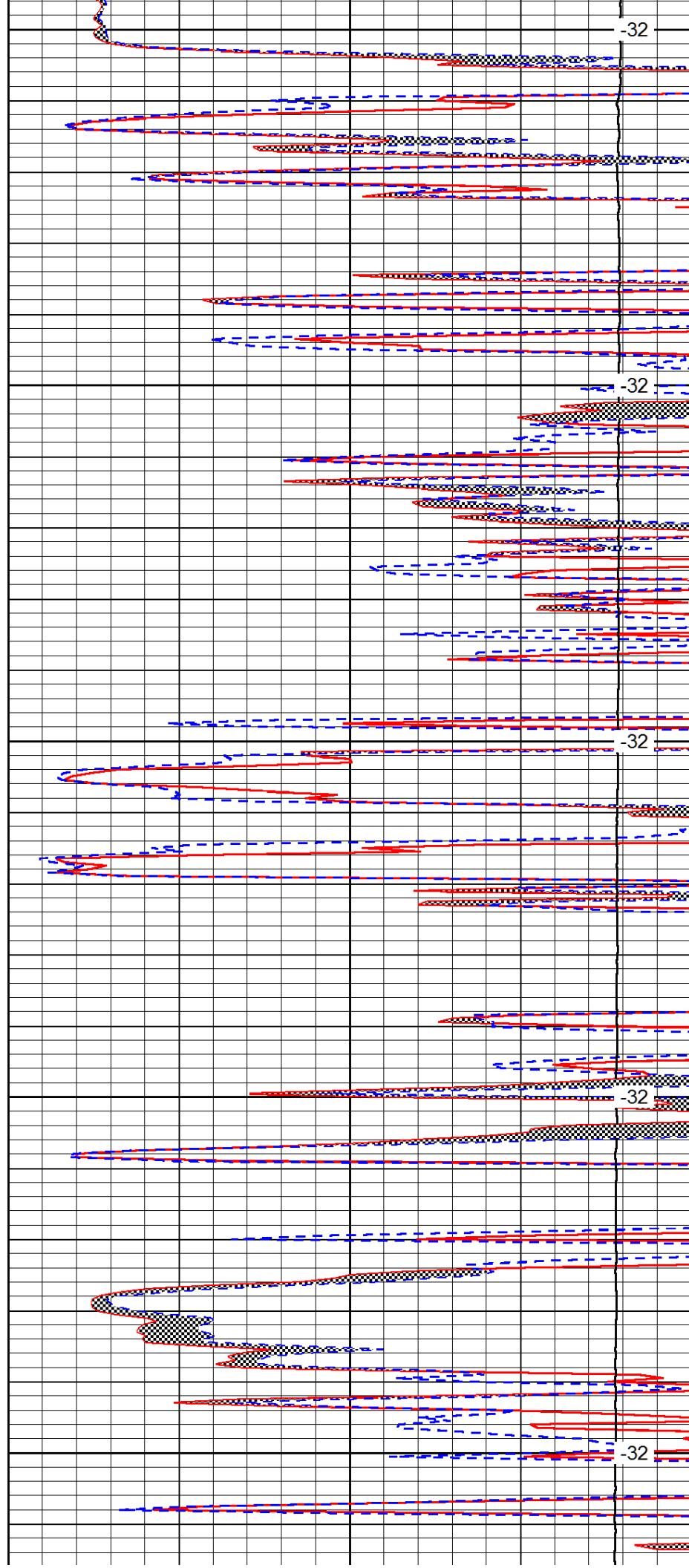
2600

2650

2700

2750

2800



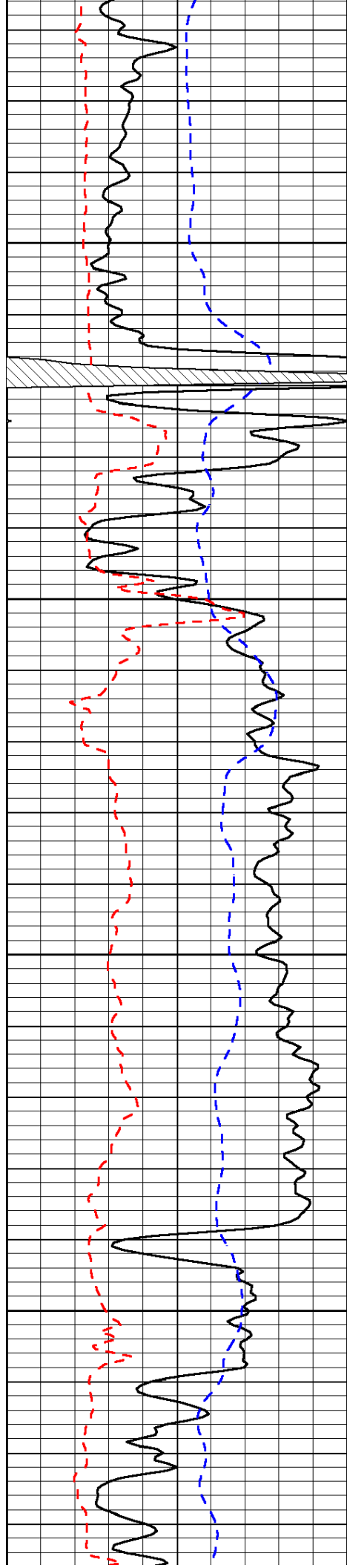
-32

-32

-32

-32

-32

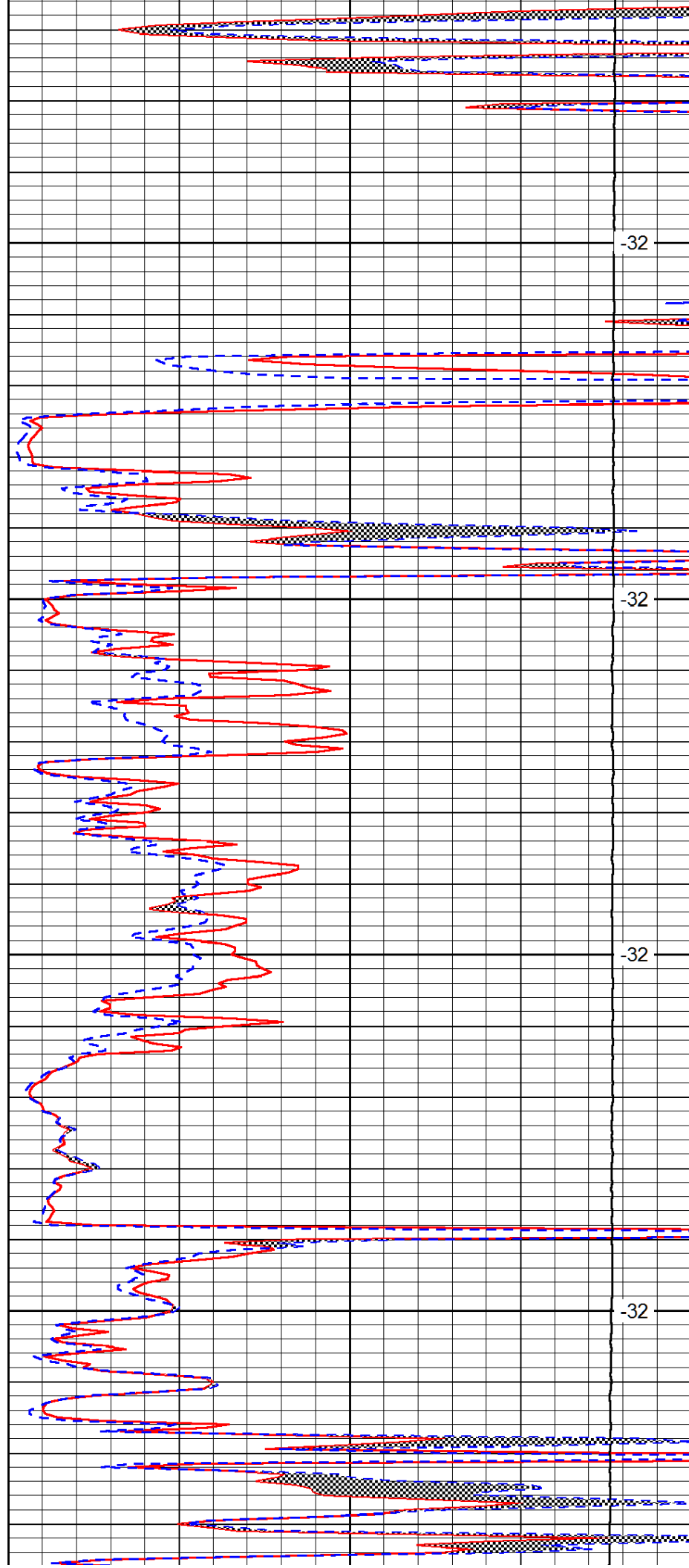


2850

2900

2950

3000

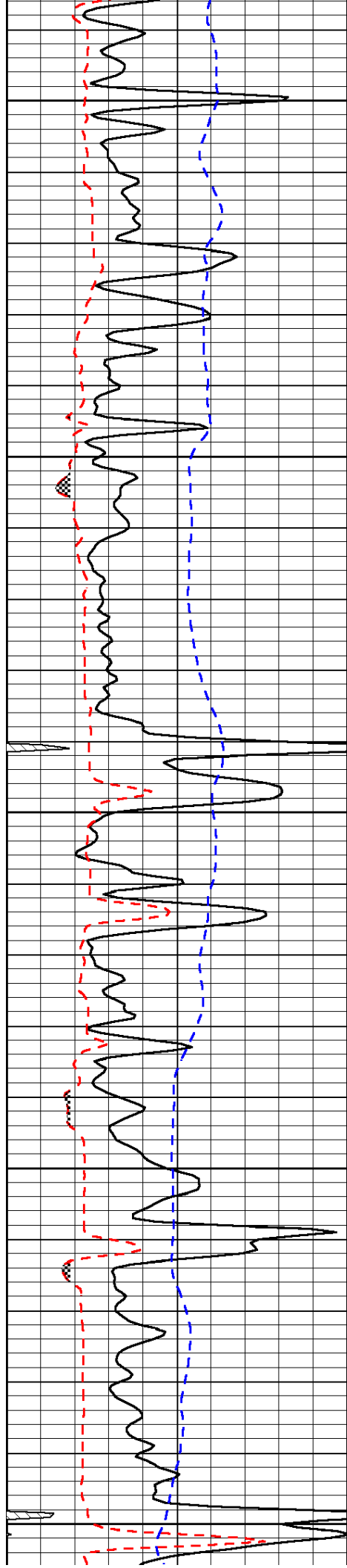


-32

-32

-32

-32



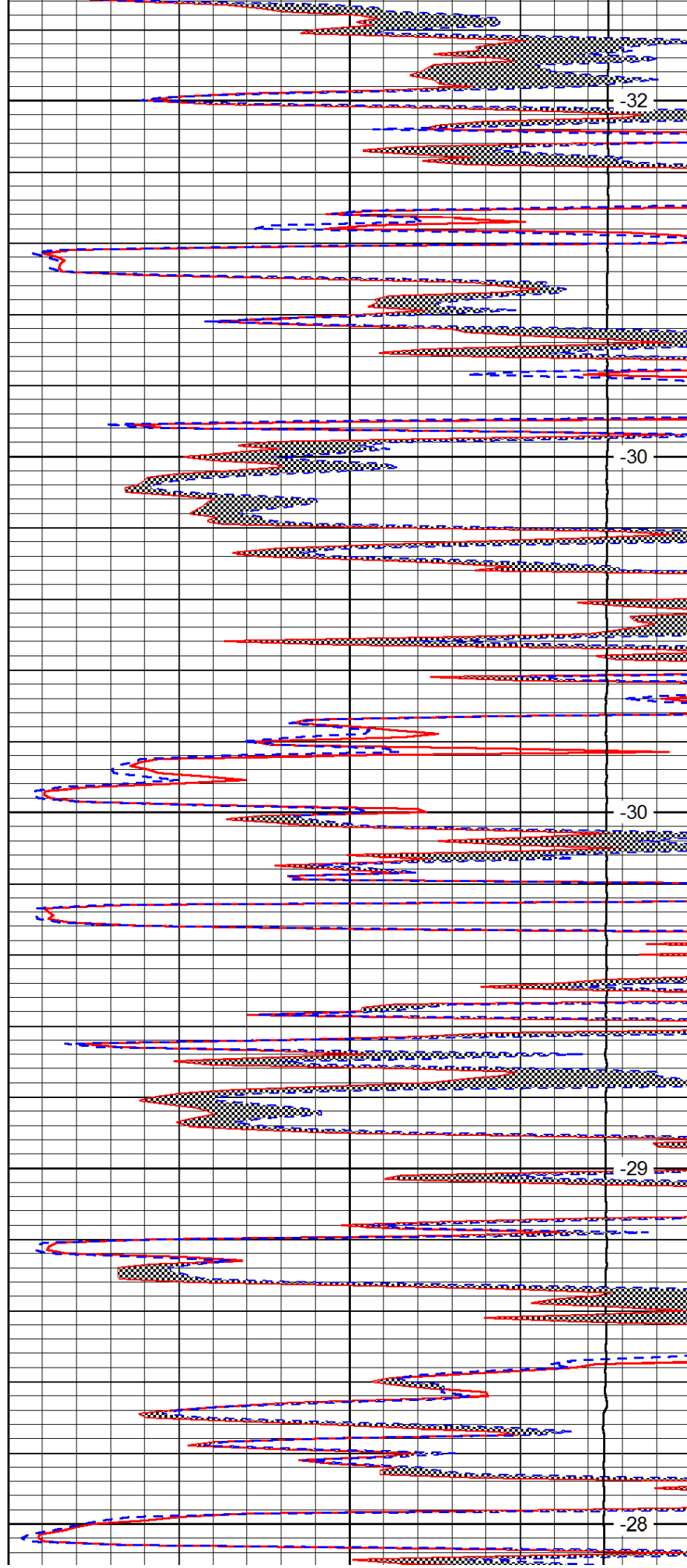
3050

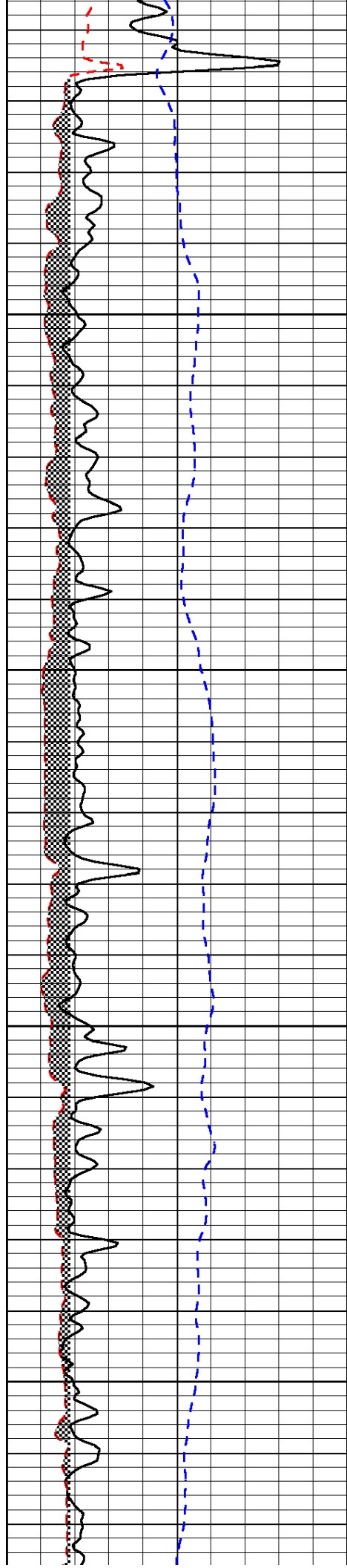
3100

3150

3200

3250



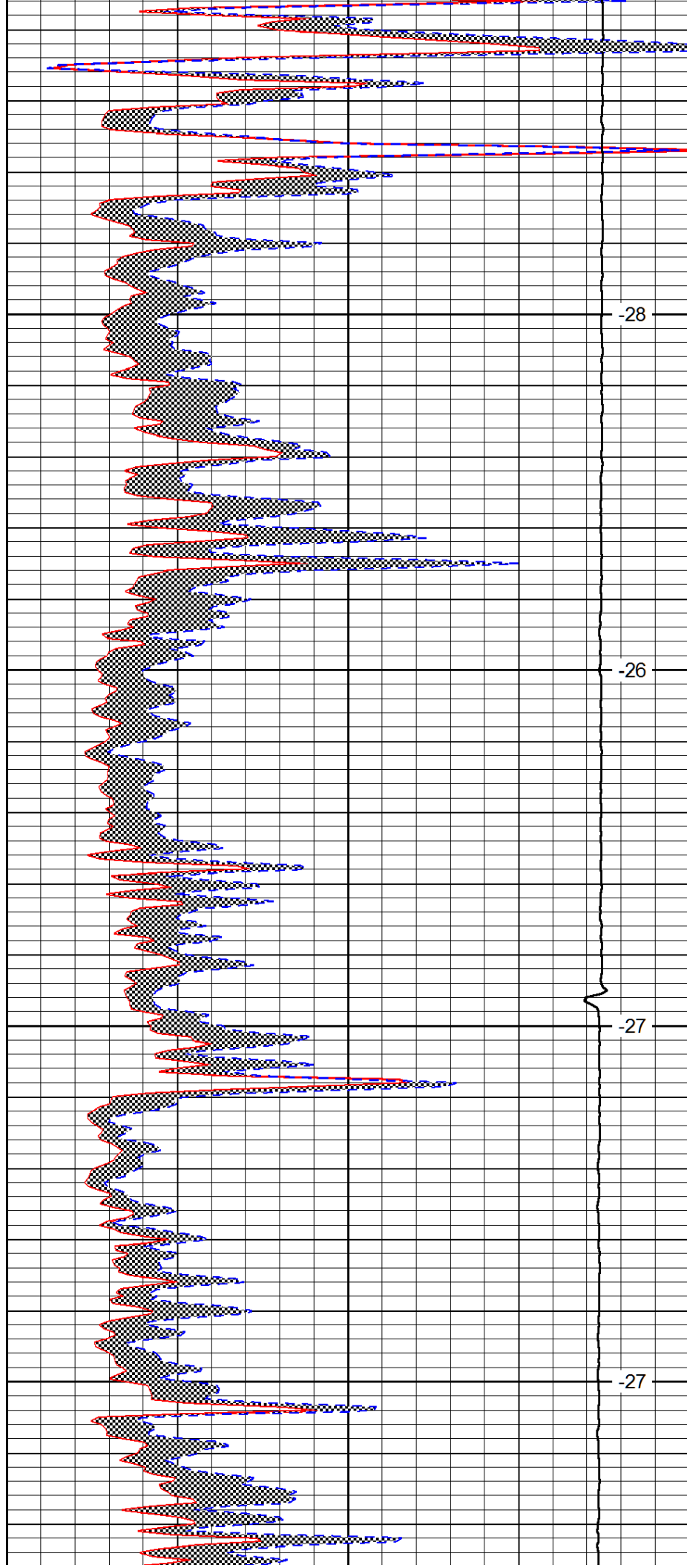


3300

3350

3400

3450

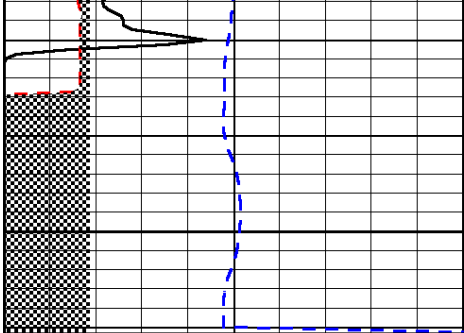


-28

-26

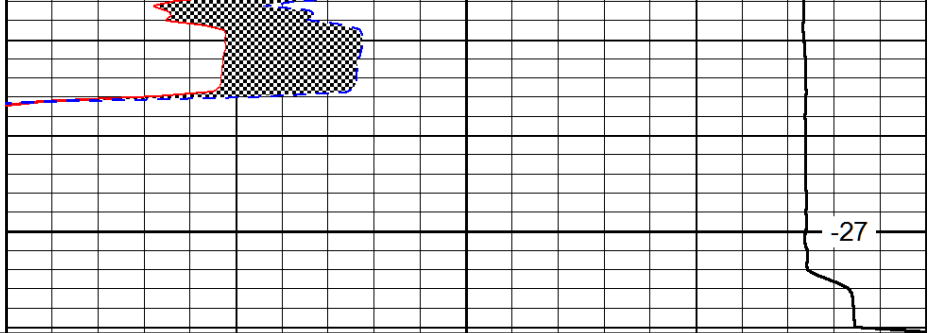
-27

-27



0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

3500



0	Micro Inverse 1 X 1	20
0	Micro Normal 2"	20
10000	Line Weight	0

-27

LSPD