



Microresistivity Log

Pioneer Energy Services

API No.

15-009-26,010-00-00

Company American Warrior, Inc.

Well Tempero No.7-23

Field Sandford

County

Barton

State

Kansas

Location

SE SW NW SE
1630' FSL & 2263' FEL

Other Services
CNL/CDL
DIL

Sec: 23

Twp: 17S

Rge: 14W

Elevation

Permanent Datum Ground Level Elevation 1921
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1929
D.F.
G.L. 1921

Date 8/12/2014

Run Number Two

Depth Driller 3500

Depth Logger 3452

Bottom Logged Interval 3451

Top Log Interval 2800

Casing Driller 8.625 @ 845

Casing Logger 850

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 5.900

Density / Viscosity 9.4 64

pH / Fluid Loss 10.5 10.8

Source of Sample Flowline

Rm @ Meas. Temp .4 @ 75

Rmf @ Meas. Temp .3 @ 75

Rmc @ Meas. Temp .54 @ 75

Source of Rmf / Rmc Charts

Rm @ BHT .27 @ 111

Operating Rig Time 3 Hours

Max Rec. Temp. F 111

Equipment Number 10

Location Hays

Recorded By C. Desaire

Witnessed By Adam Folk

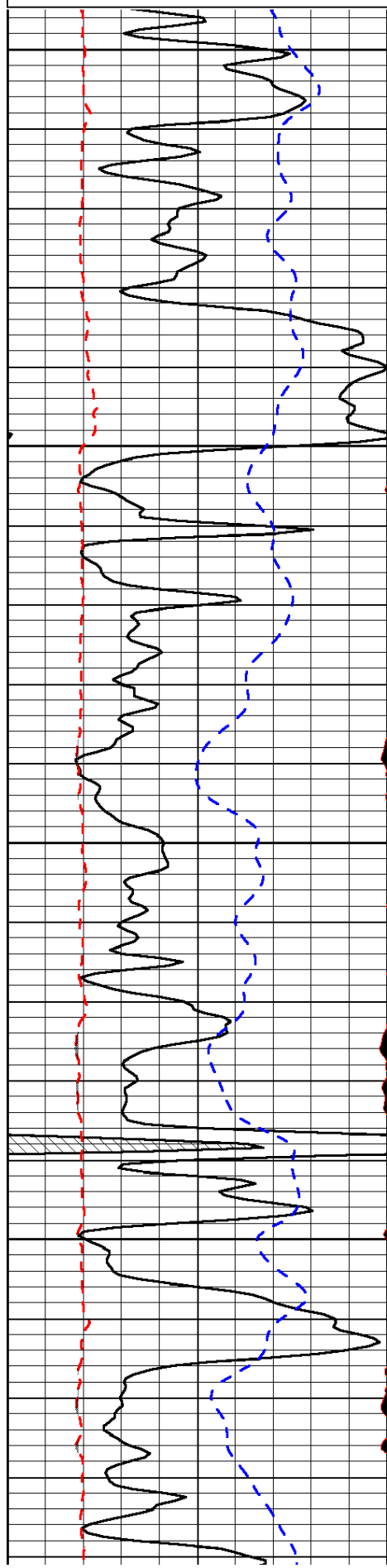
Comments

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

Hoisington KS, W to Hwy 281 & Hwy 4 junc,
1 N, 1/2 E, N Into

Database File: awhd.db
Dataset Pathname: dil/awstk
Presentation Format: micro
Dataset Creation: Tue Aug 12 18:00:14 2014
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 (mV)	0



2800

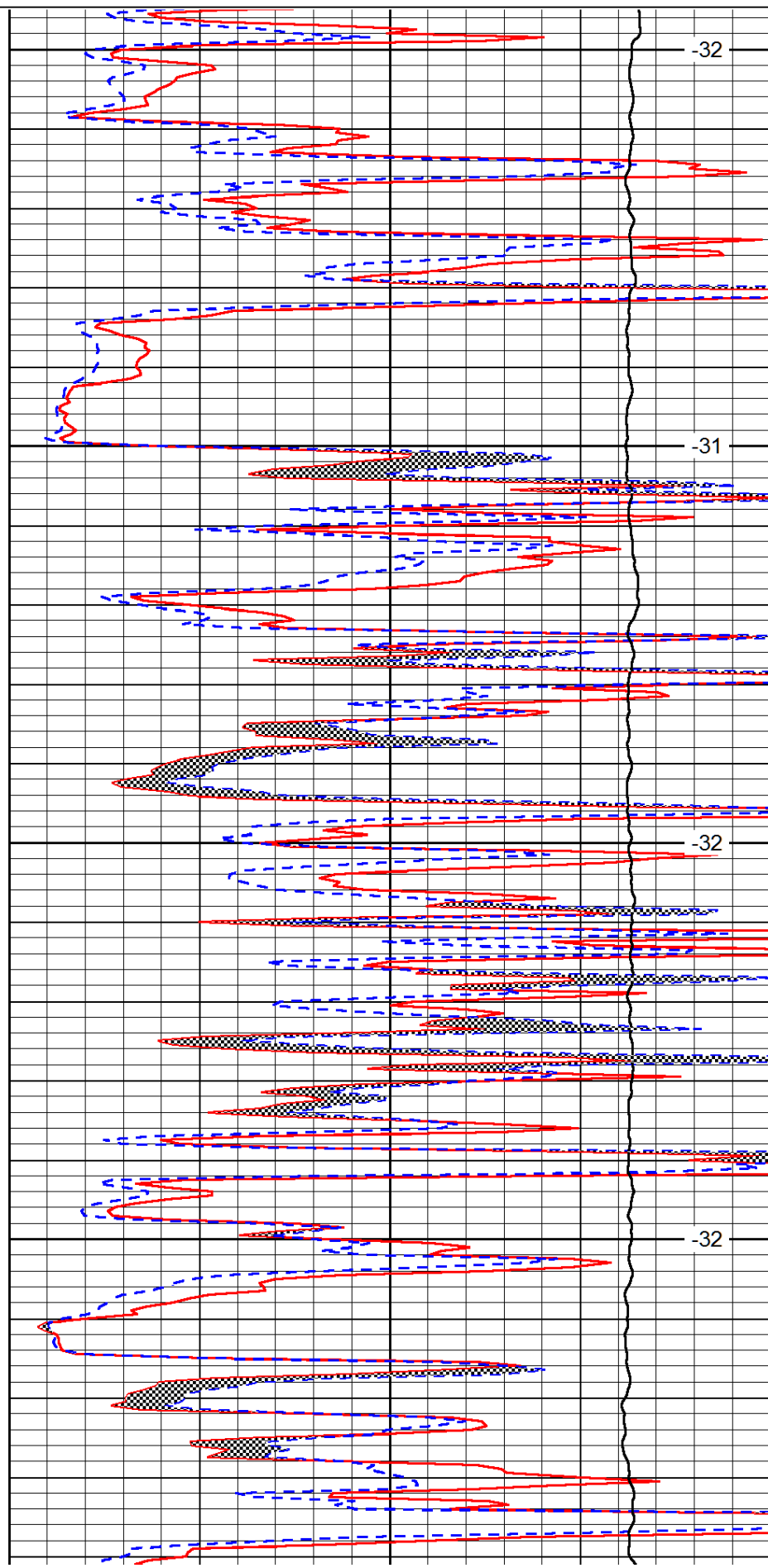
2850

2900

2950

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

LSPD

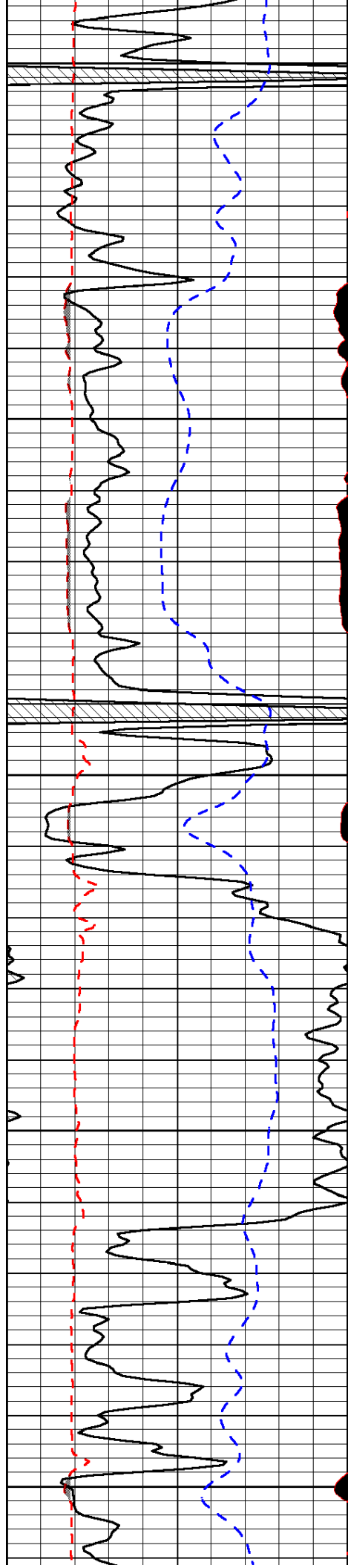


-32

-31

-32

-32



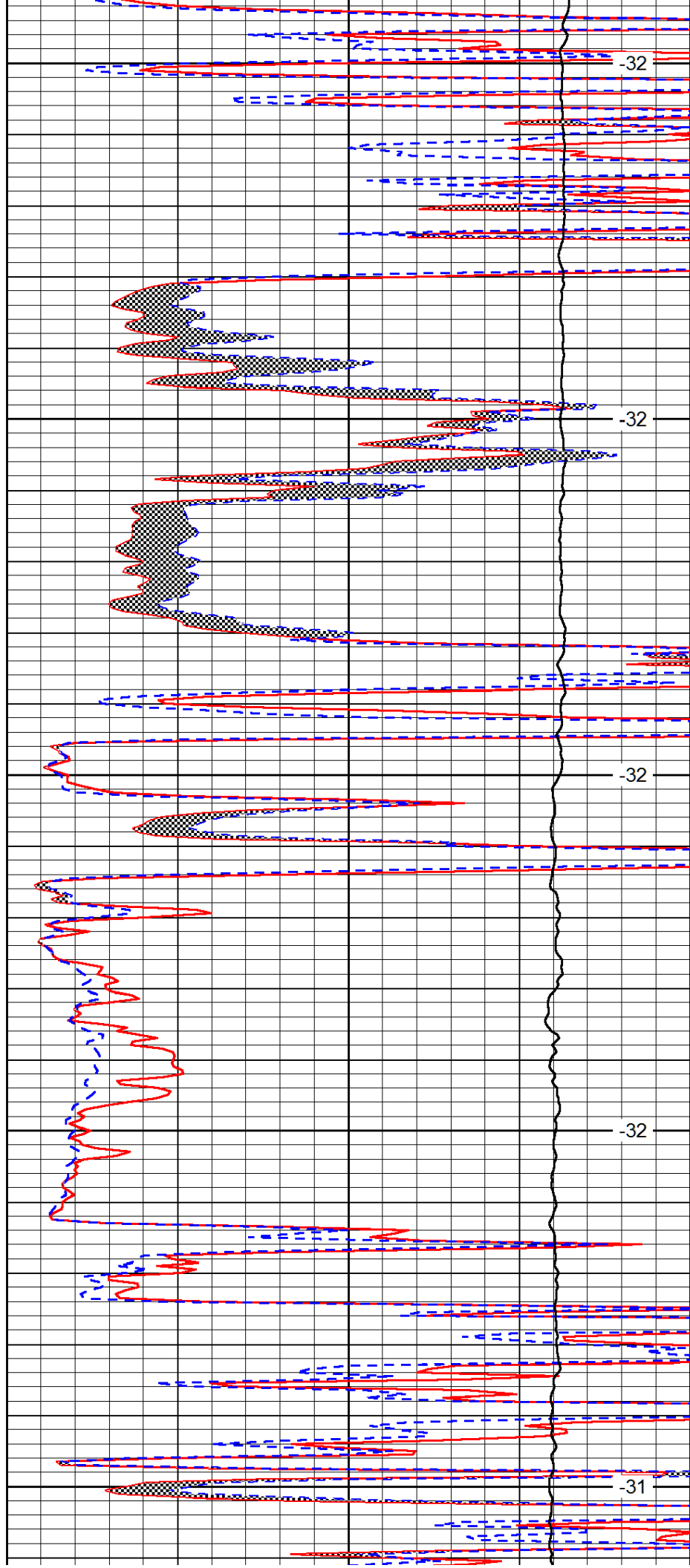
3000

3050

3100

3150

3200



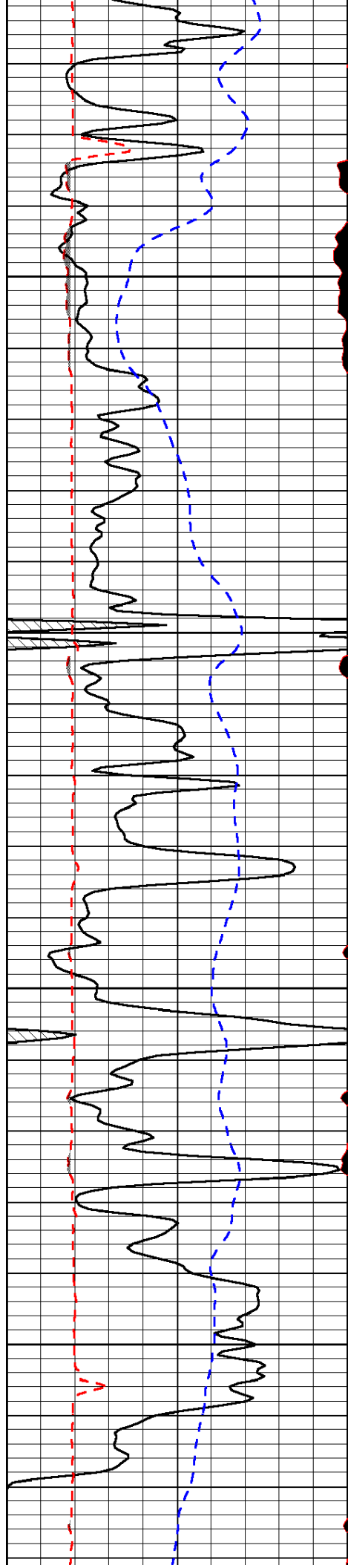
-32

-32

-32

-32

-31

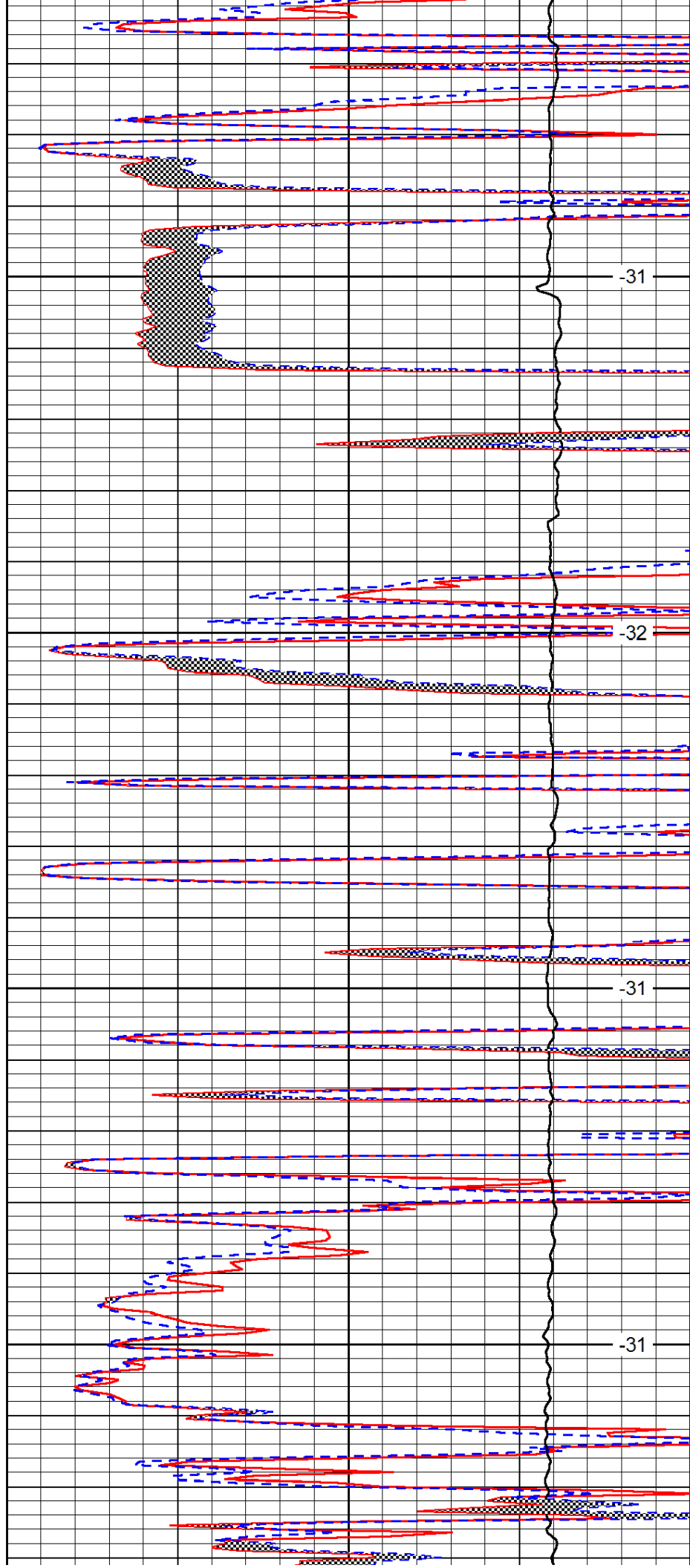


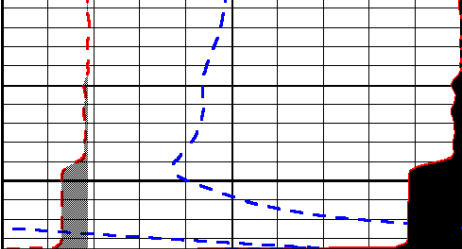
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3300

3350

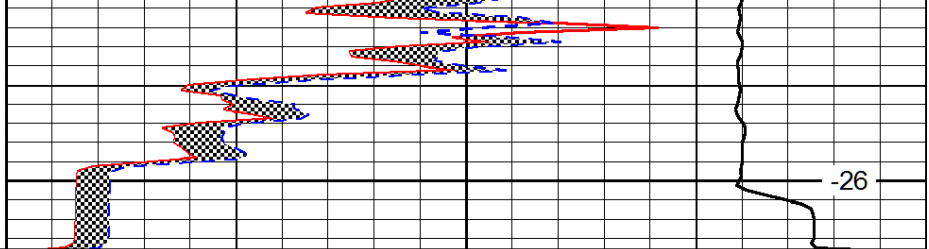
3400





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-26