



Pioneer Energy Services

Microresistivity Log

API No.

15-167-23,984-00-00

Company American Warrior, Inc.

Well Eulert #20-35

Field Eulert

County Russell

State

Kansas

Location

NW NE NW SW
2470' FSL & 720' FWL

Other Services
CNL/CDL
DIL

Sec: 35

Twp: 11S

Rge: 15W

Permanent Datum

Ground Level

Elevation 1812

Log Measured From

Kelly Bushing

8

Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

8

Ft. Above Perm. Datum

K.B. 1820
D.F. 1812
G.L. 1812

Date

7/17/2014

Run Number

Two

Depth Driller

3386

Depth Logger

3387

Bottom Logged Interval

3386

Top Log Interval

2500

Casing Driller

8.625 @ 883

Casing Logger

880

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2900

Density / Viscosity

9.2 51

pH / Fluid Loss

10.0 7.8

Source of Sample

Flowline

Rm @ Meas. Temp

1.10 @ 84

Rmf @ Meas. Temp

0.83 @ 84

Rmc @ Meas. Temp

1.49 @ 84

Source of Rmf / Rmc

Charts

Rm @ BHT

0.84 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

Witnessed By

Adam Folk

<<< 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

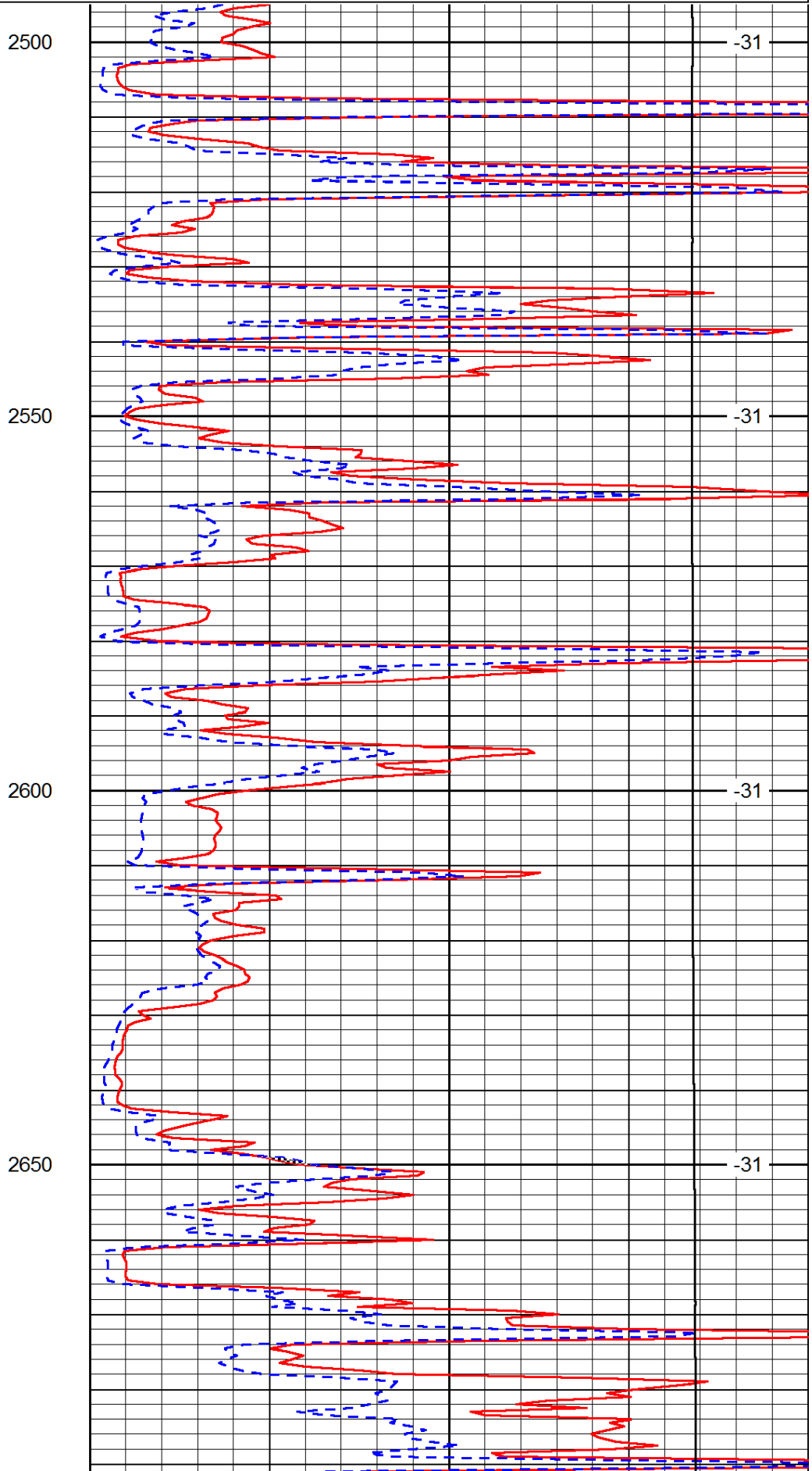
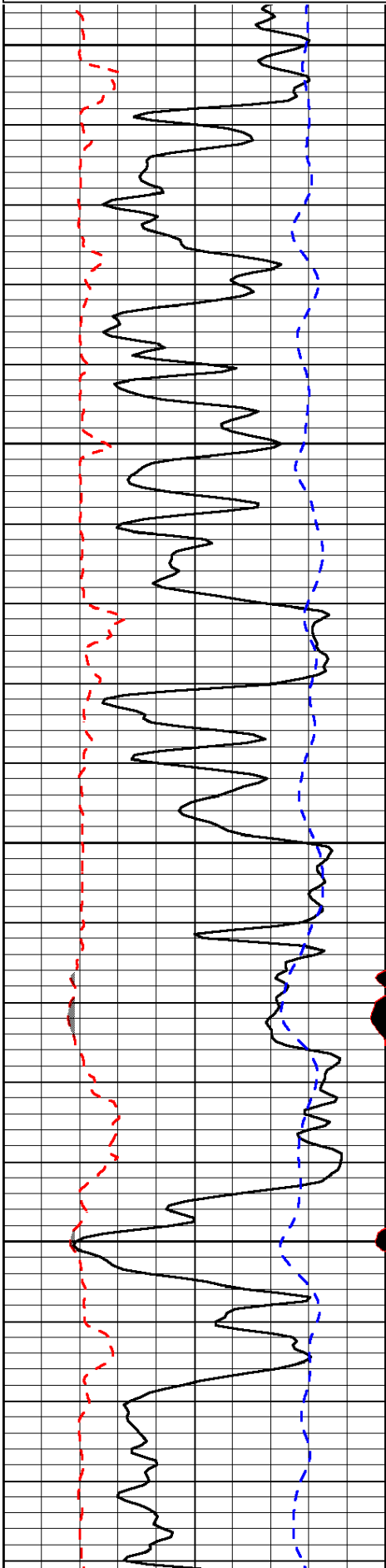
Thank you for using Log-Tech, Inc.
(785) 625-3858

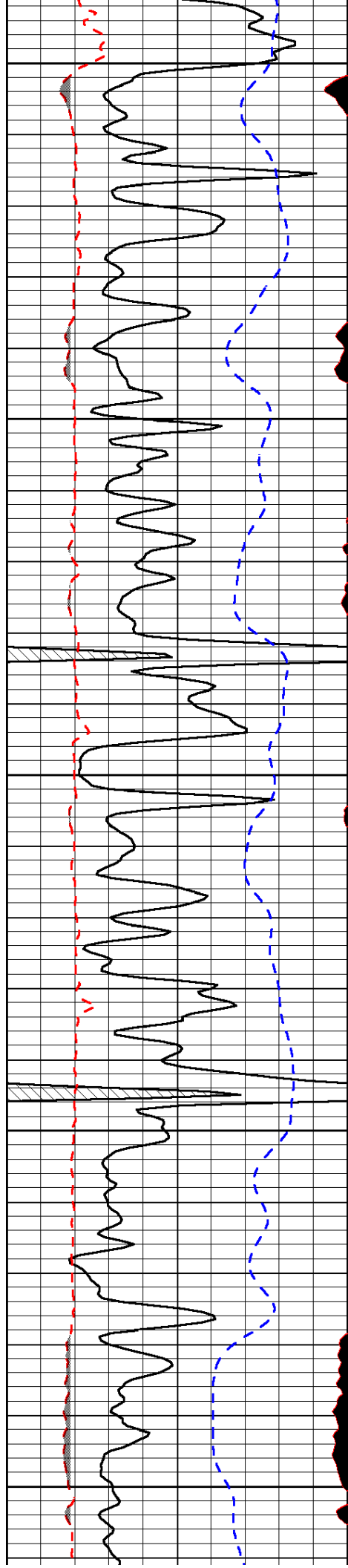
Paradise KS, South on Paradise RD to 180 ST,
2 1/4 South, 3/4 South and East Into

Database File: americanwarrior_eulert_20_35hd.db
Dataset Pathname: DIL/awstk
Presentation Format: micro
Dataset Creation: Thu Jul 17 15:18:02 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

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





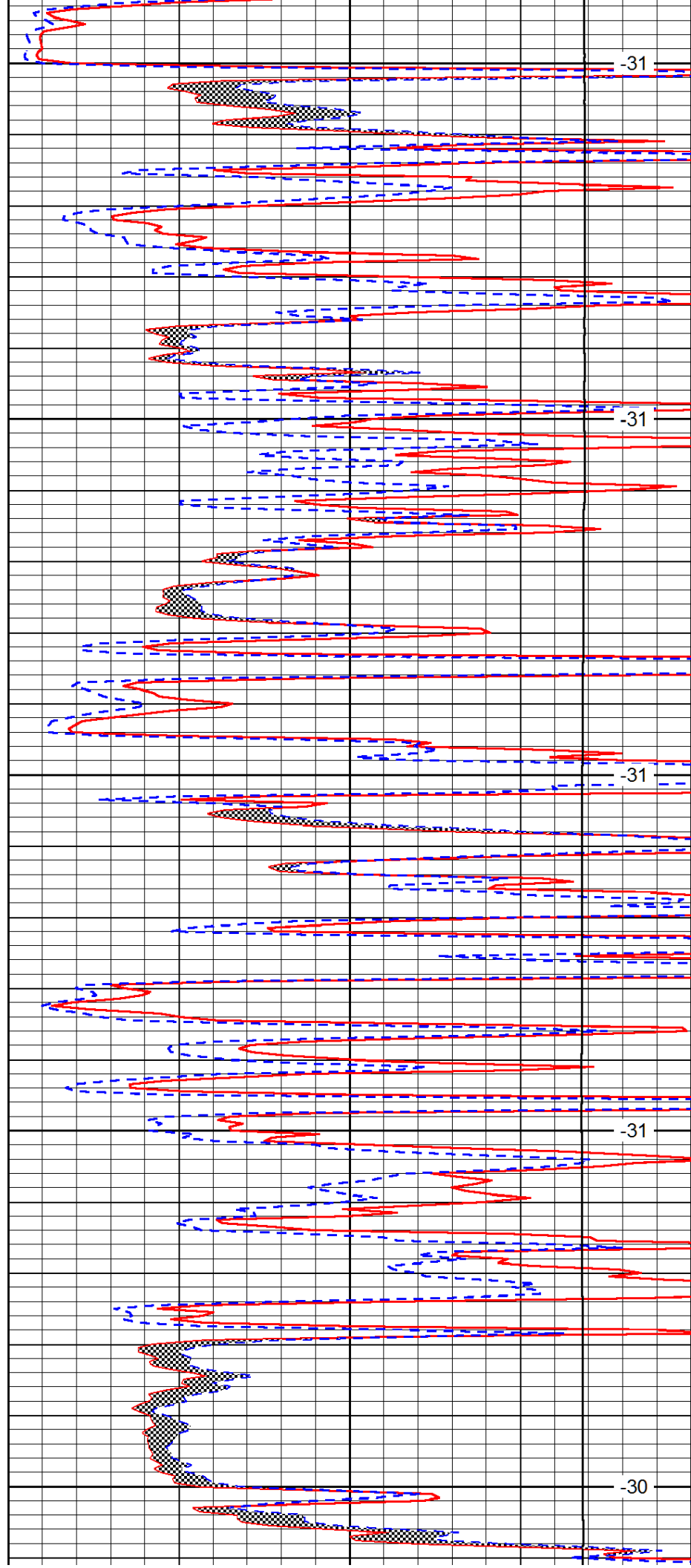
2700

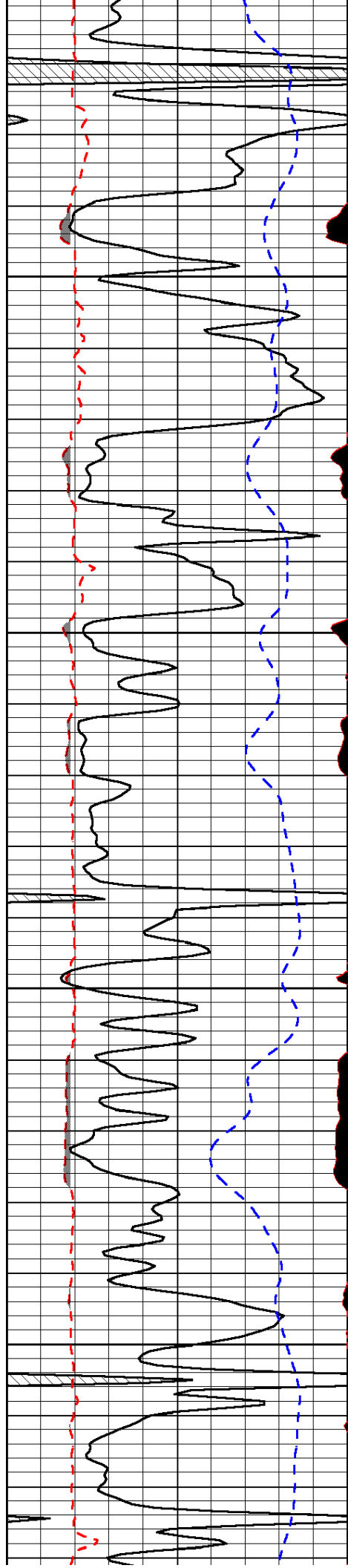
2750

2800

2850

2900



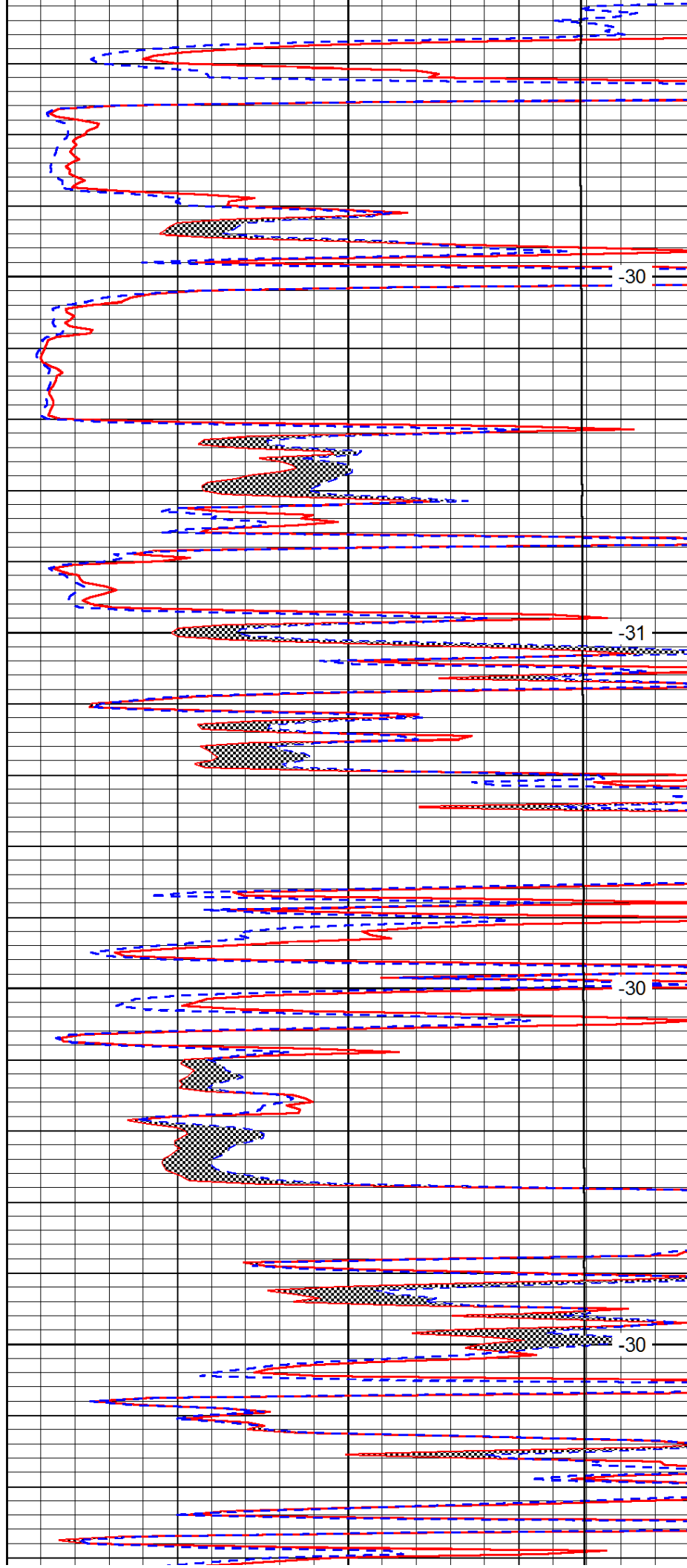


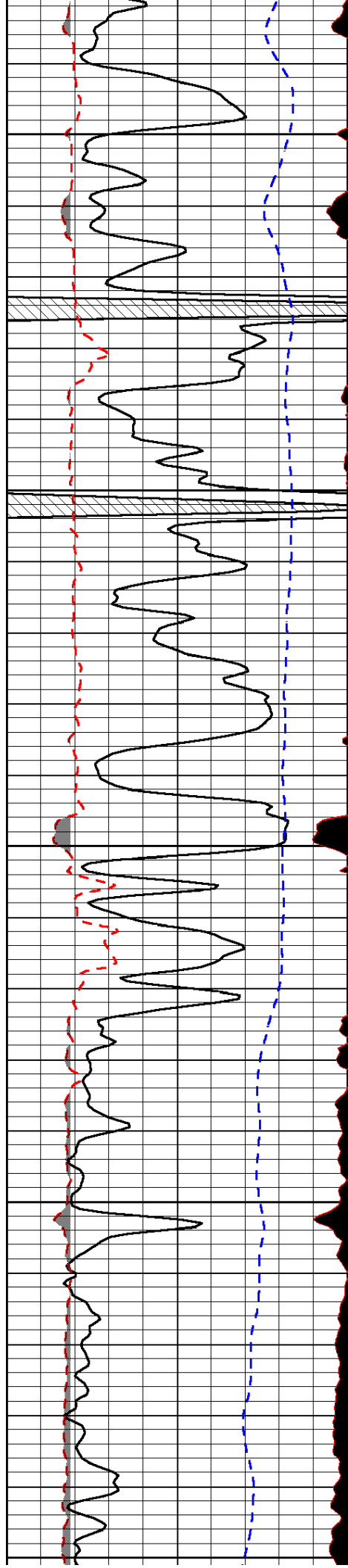
2950

3000

3050

3100





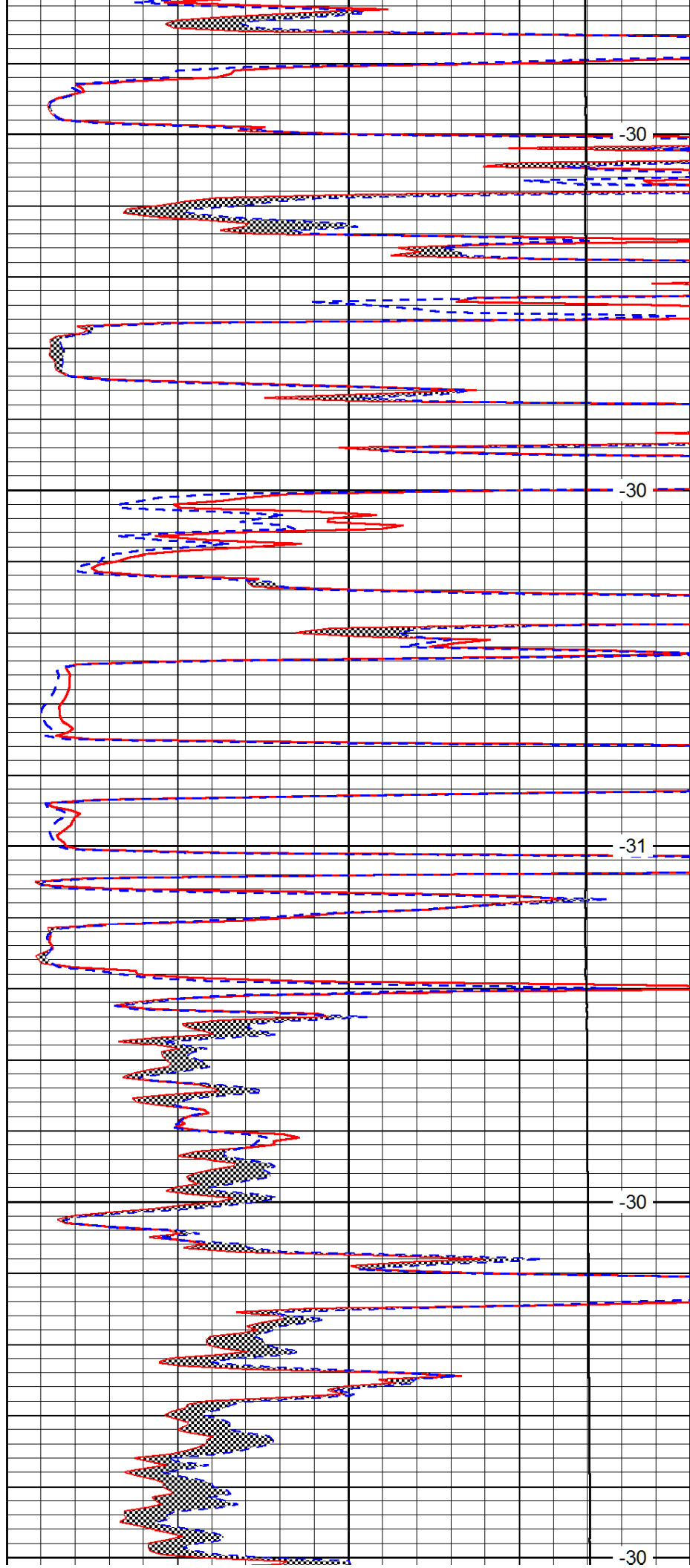
3150

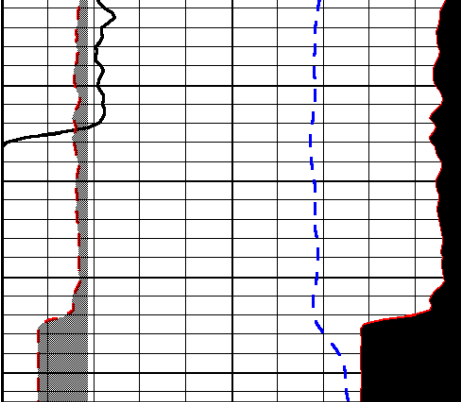
3200

3250

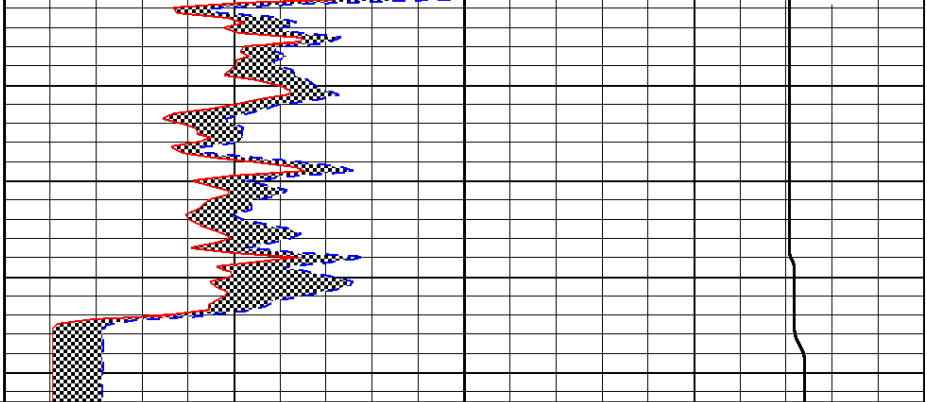
3300

3350





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



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

LSPD