



Pioneer Energy Services

Microresistivity Log

API No.

15-051-26676-00-00

Company TDI, Inc.

Well Stackhouse Ranch # 1

Field Unnamed

County Ellis State

Kansas

Location

1060' FNL & 360' FEL

Sec: 13

Twp: 12 S

Rge: 19 W

Permanent Datum

Ground Level

Elevation 2198

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

Other Services
CNL/CDL
DIL
Elevation
K.B. 2208
D.F. 2198
G.L. 2198

Date

05-22-2014

Run Number

Two

Depth Driller

3899

Depth Logger

3902

Bottom Logged Interval

3901

Top Log Interval

2500

Casing Driller

8.625 @ 223

Casing Logger

224

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2500

Density / Viscosity

9.2 54

pH / Fluid Loss

10.0 7.6

Source of Sample

Flowline

Rm @ Meas. Temp

0.68 @ 70

Rmf @ Meas. Temp

0.51 @ 70

Rmc @ Meas. Temp

0.92 @ 70

Source of Rmf / Rmc

Charts

Rm @ BHT

0.41 @ 115

Operating Rig Time

4 Hours

Max Rec. Temp. F

117

Equipment Number

17

Location

Hays

Recorded By

Y. Ruiz

Witnessed By

Herb Deines

Tom Denning

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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.

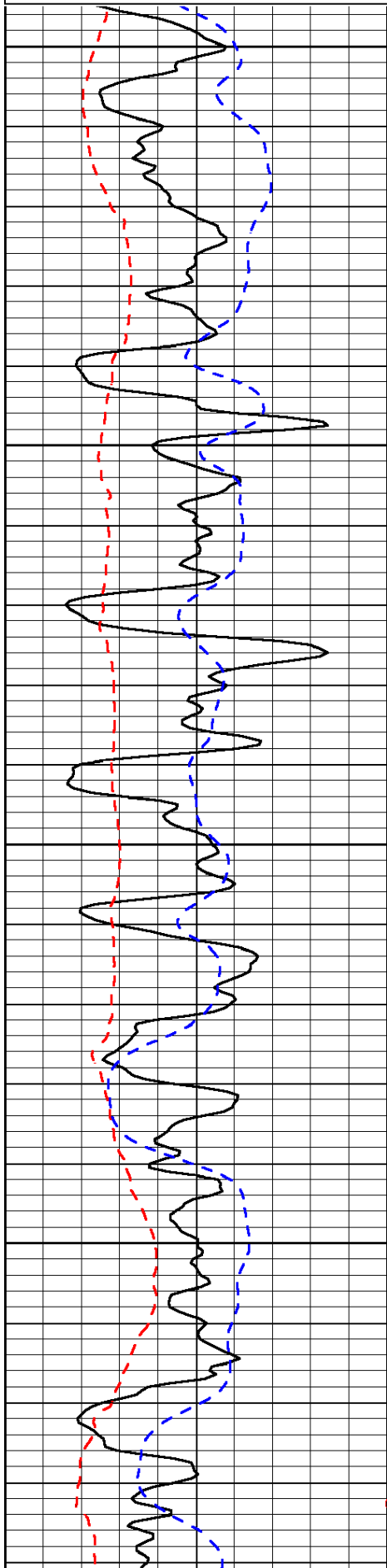
Comments

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

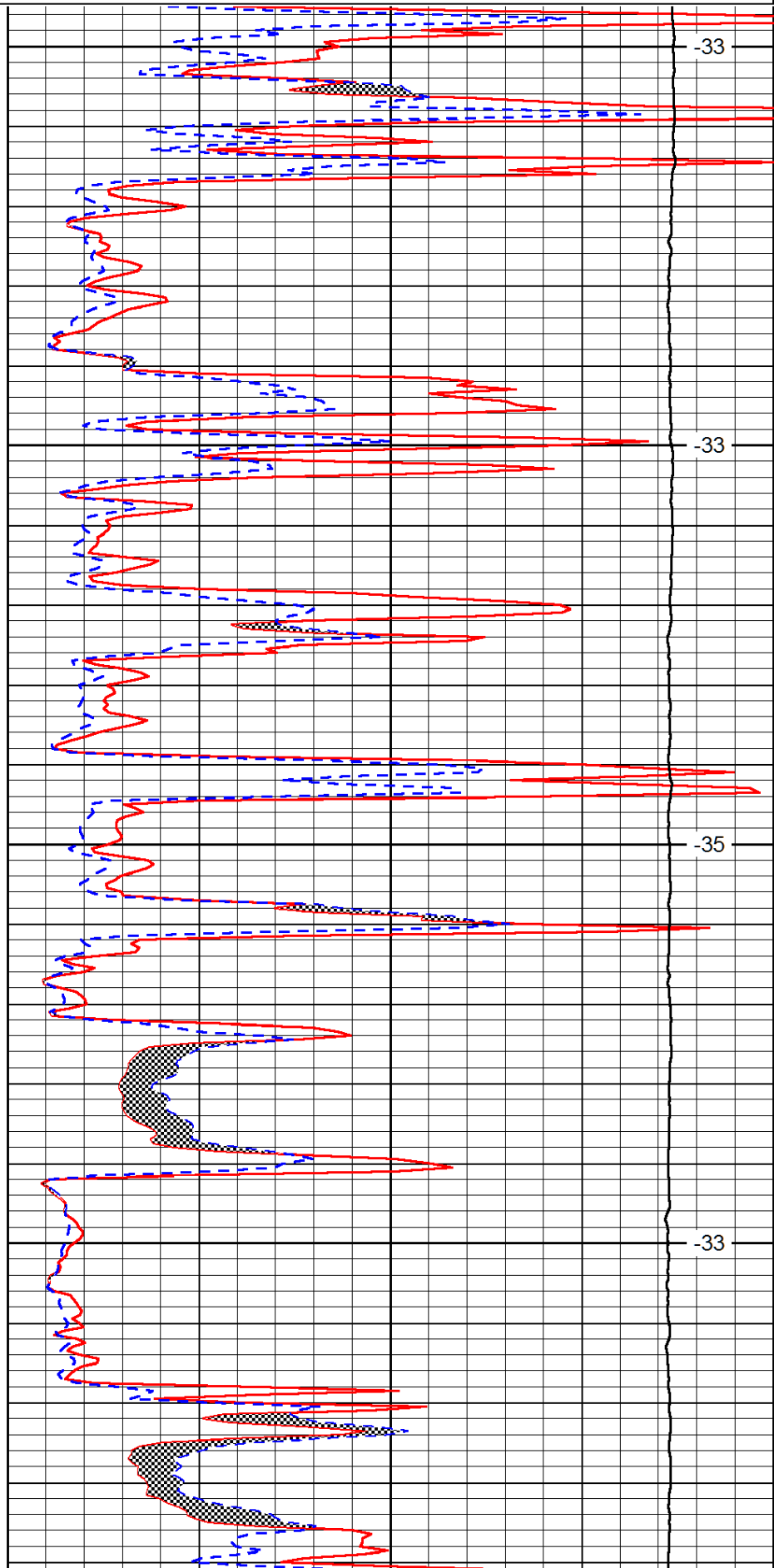
Hays,
North to Buckeye Rd, 3 1/4 West, 1/3 North,
East into

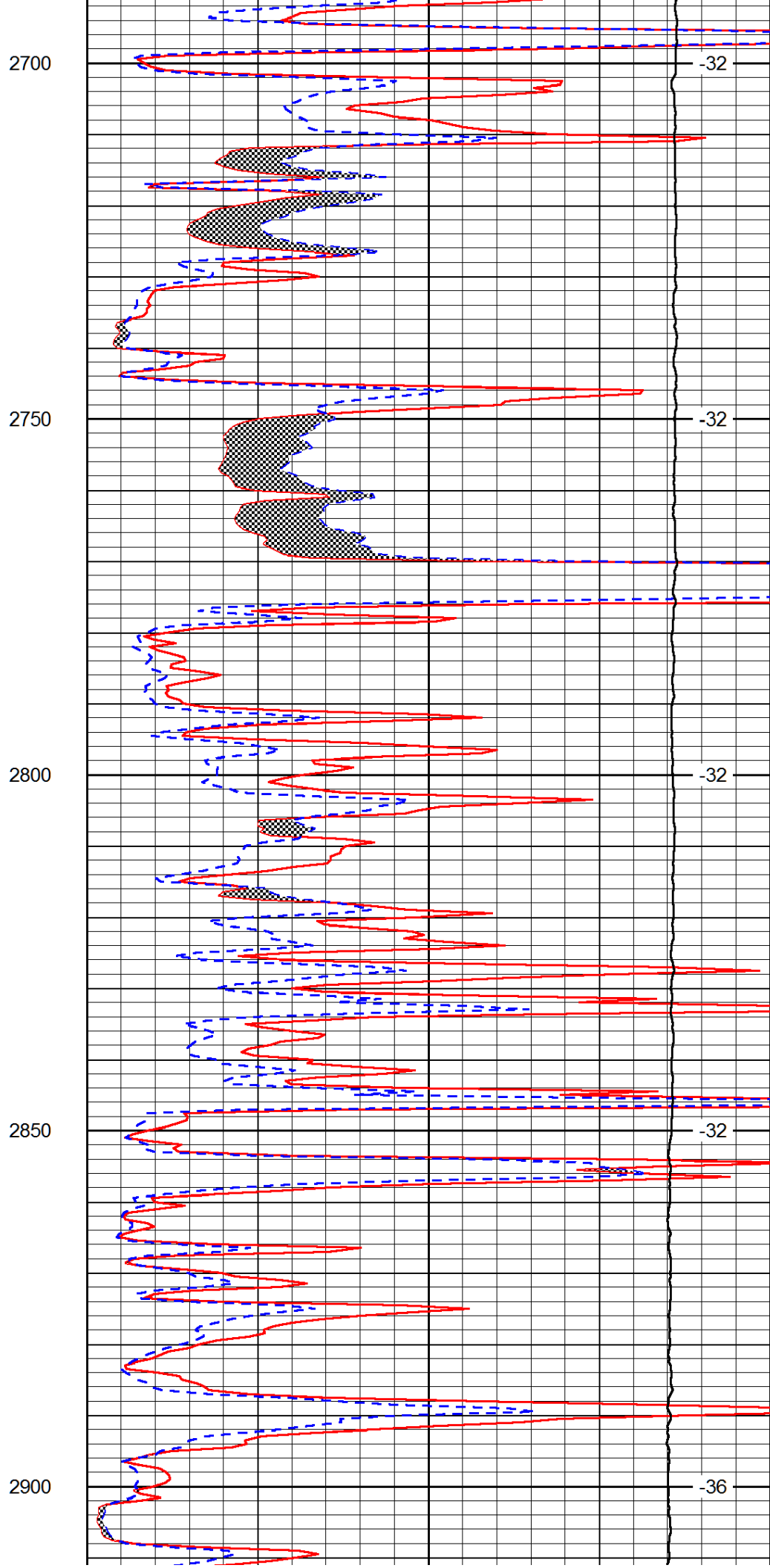
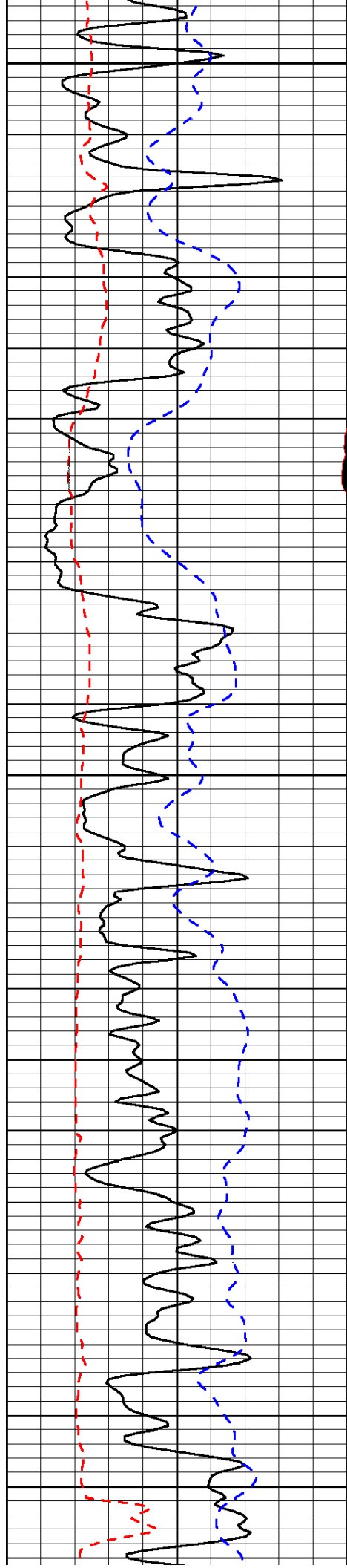
Database File: tdihd.db
Dataset Pathname: DIL/tdistl
Presentation Format: micro
Dataset Creation: Thu May 22 14:25:36 2014
Charted by: Depth in Feet scaled 1:240

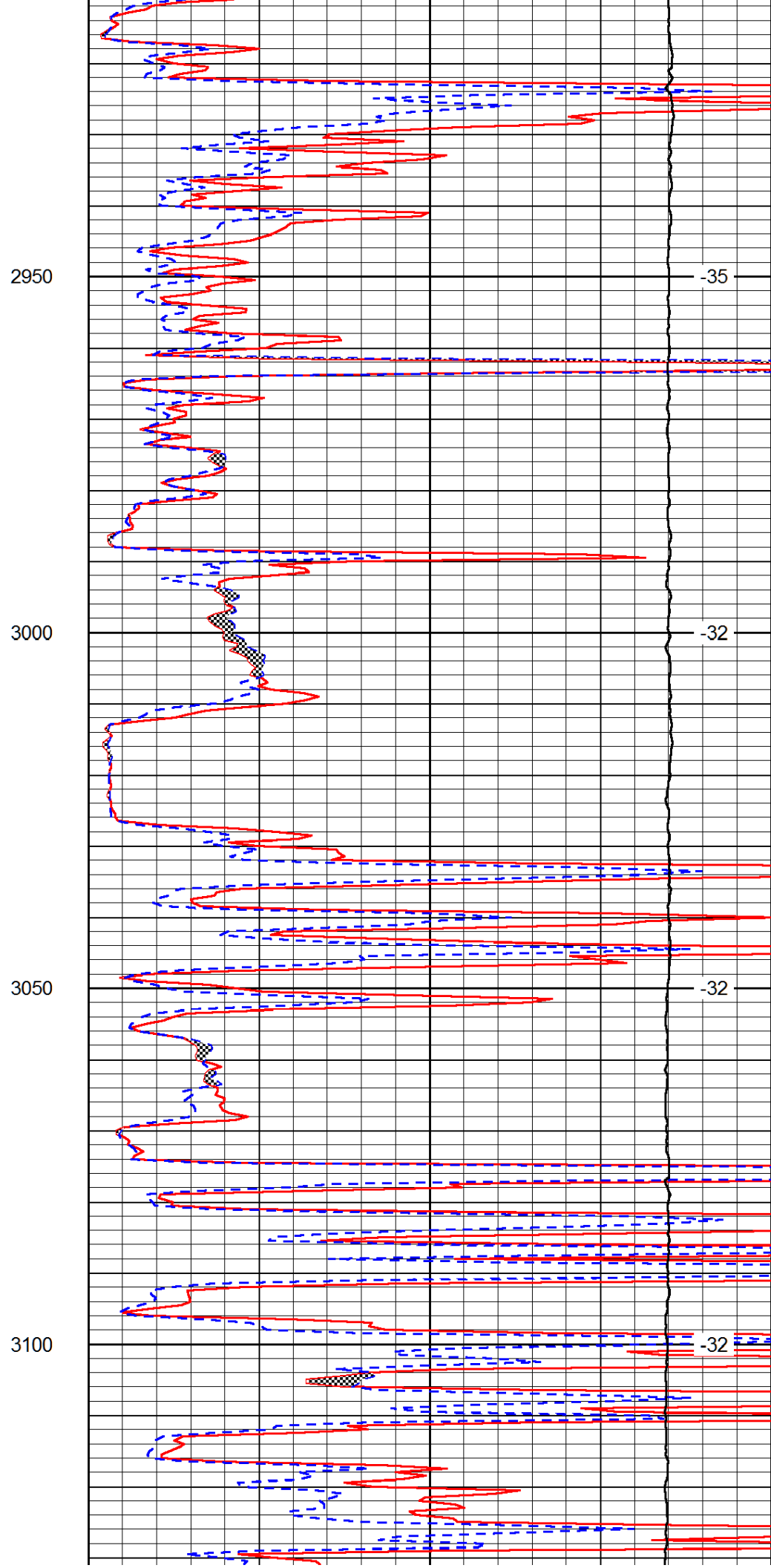
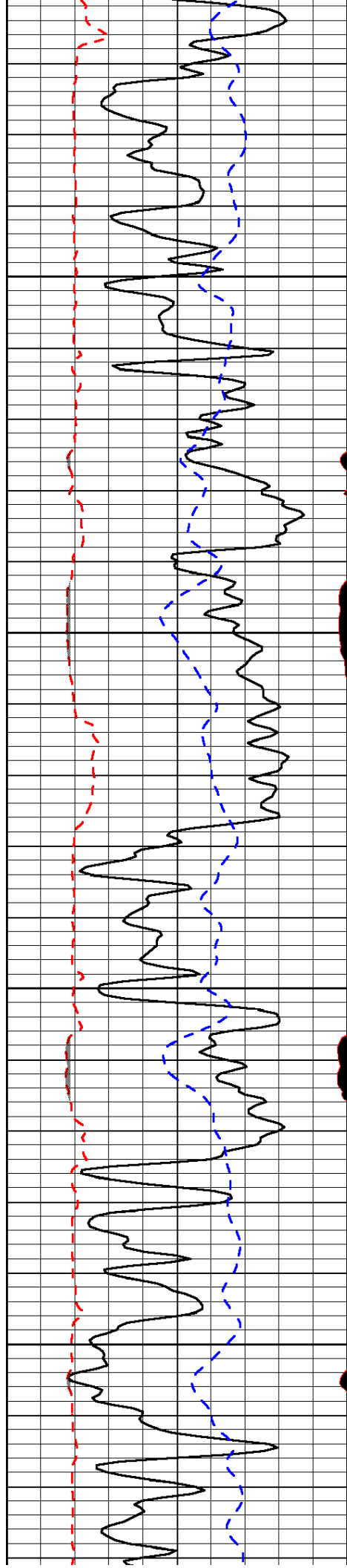
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

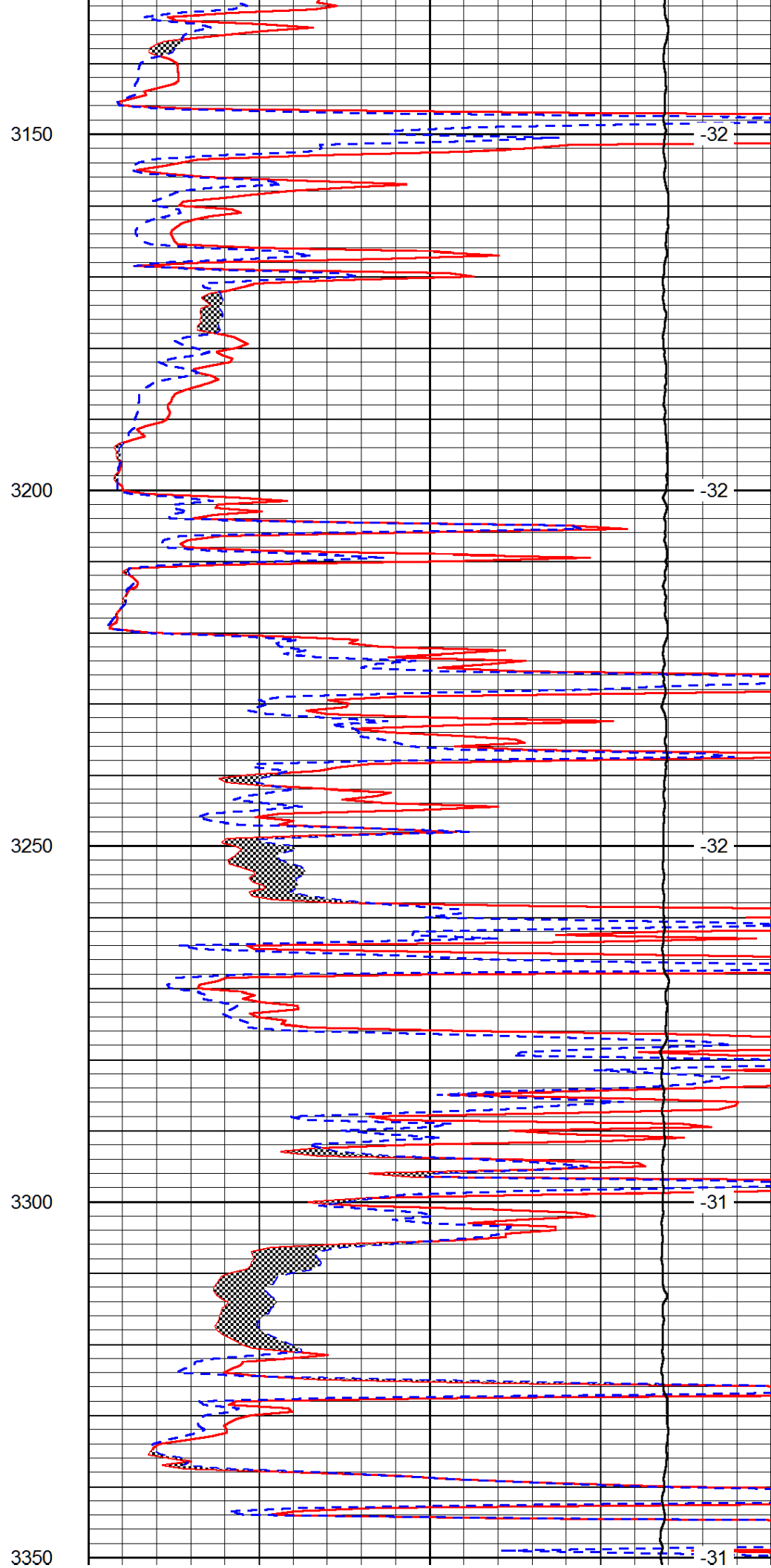
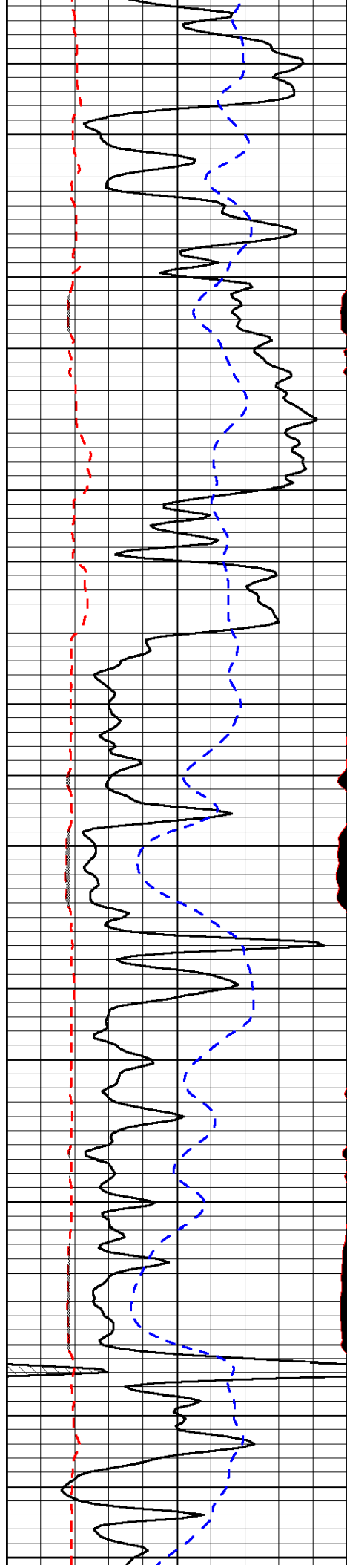


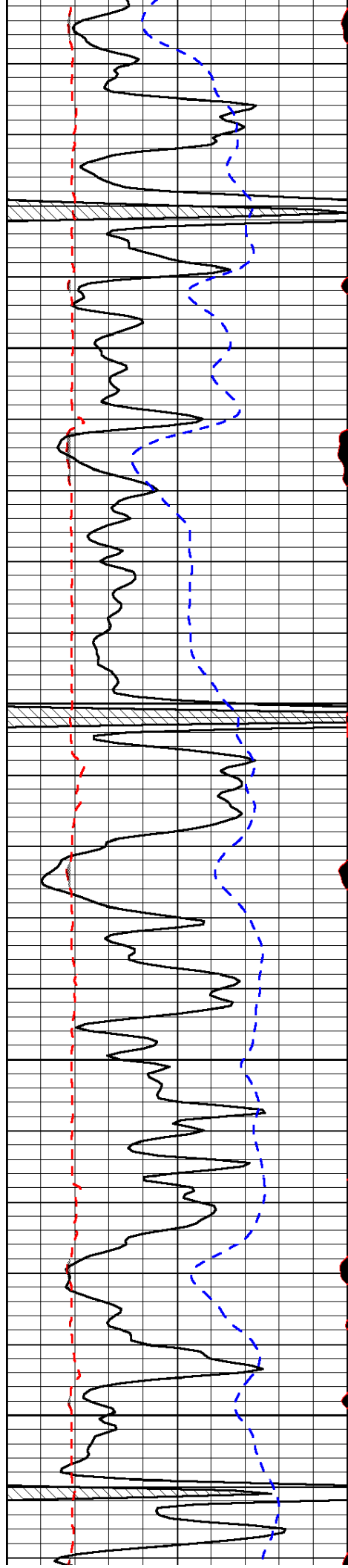
0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0









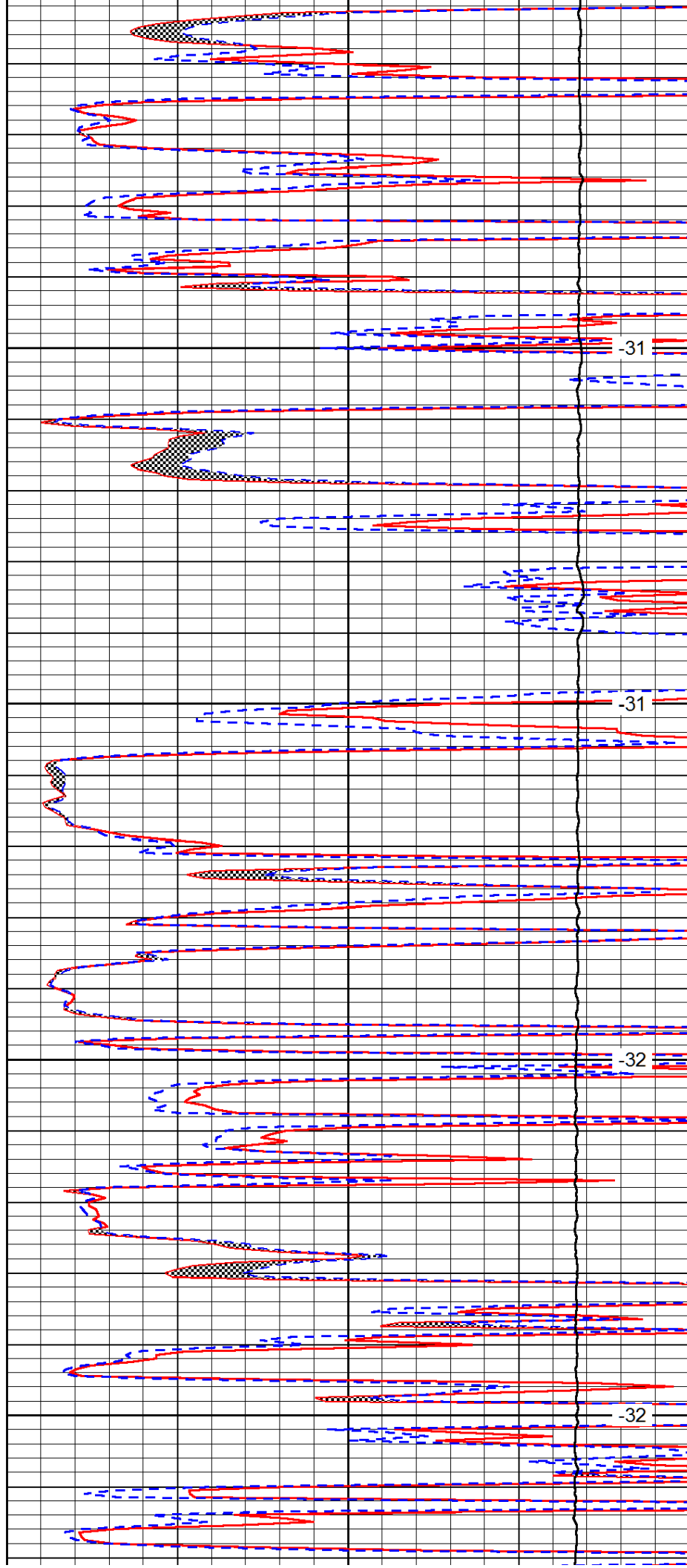


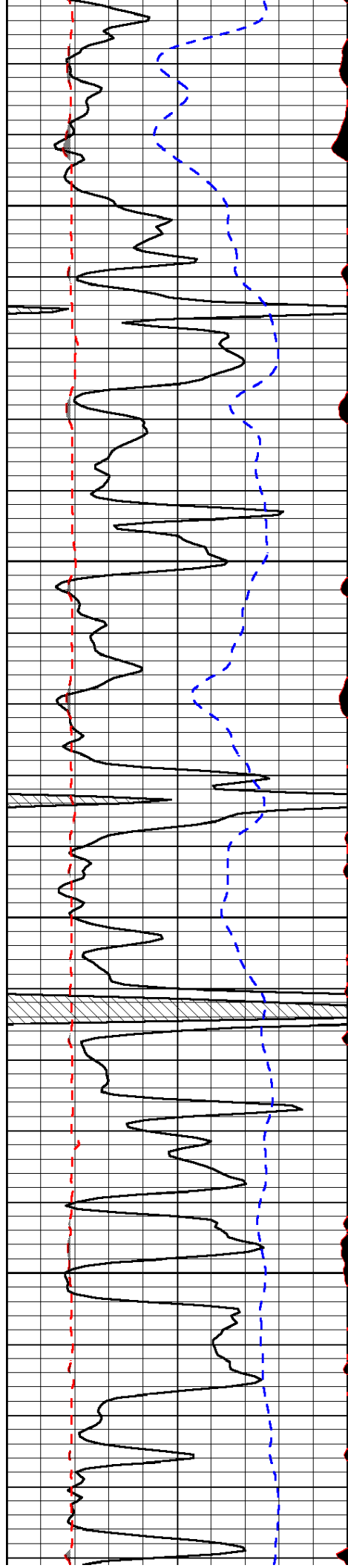
3400

3450

3500

3550



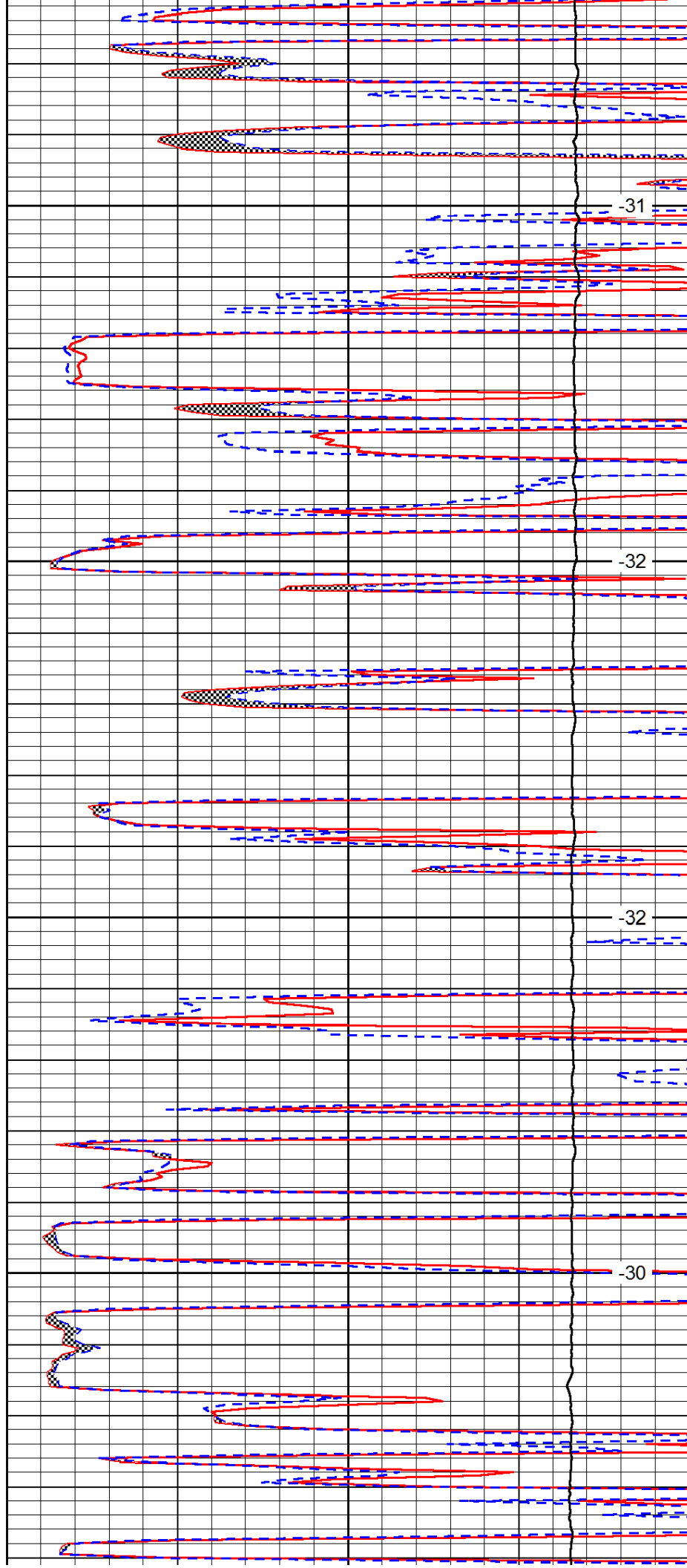


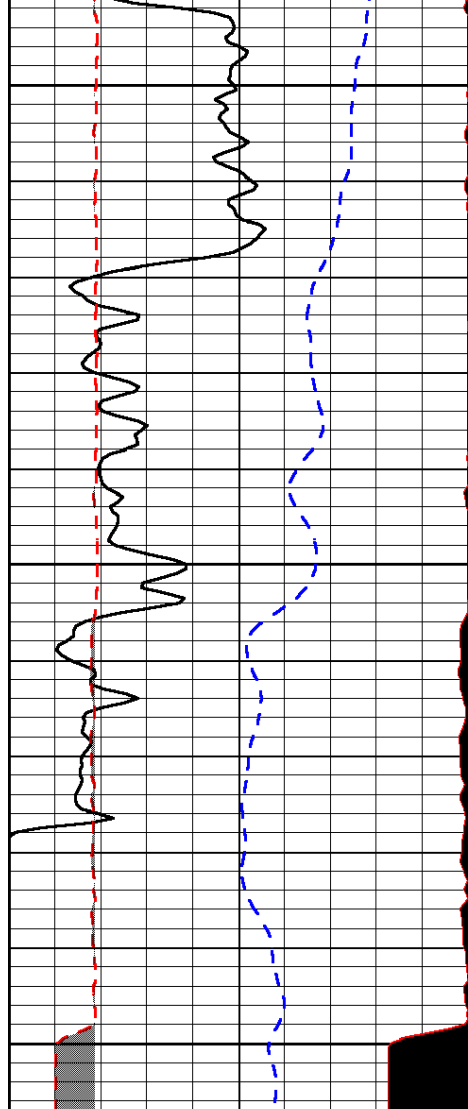
3600

3650

3700

3750



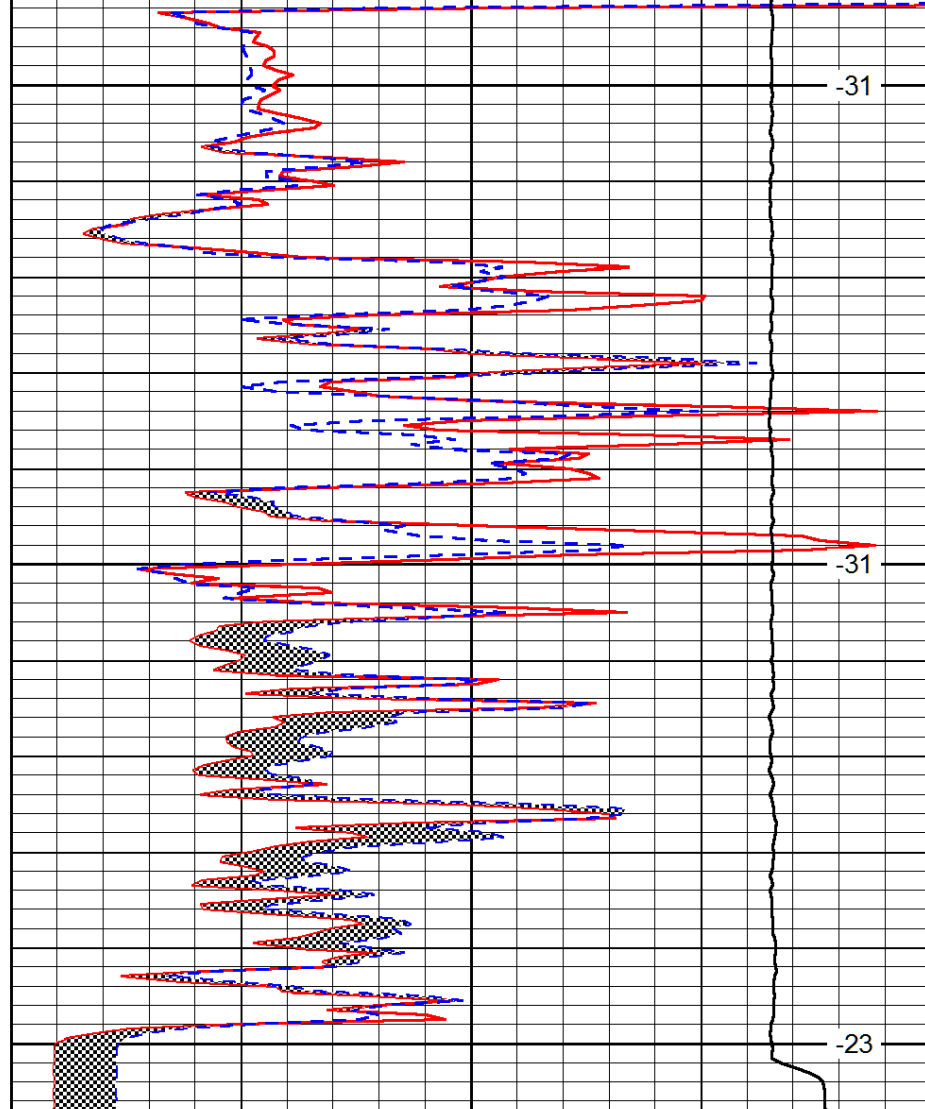


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LSPD