



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-101-22,161-00-00

Company Larson Engineering, Inc.

Well Whiting No. 2-31

Field Wildcat

County Lane State Kansas

Location 552' FSL & 629' FEL

Sec: 31 Twp: 18S Rge: 30W

Permanent Datum Ground Level Elevation 2897

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Dilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 2902
D.F. 2897
G.L. 2897

Date 03/27/2009

Run Number Two

Depth Driller 4640

Depth Logger 4642

Bottom Logged Interval 4641

Top Log Interval 3800

Casing Driller 8.625 @ 258

Casing Logger 252

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 1.300

Density / Viscosity 9.4 52

pH / Fluid Loss 9.0 6.8

Source of Sample Flowline

Rm @ Meas. Temp 2.0 @ 55

Rmf @ Meas. Temp 1.5 @ 55

Rmc @ Meas. Temp 2.7 @ 55

Source of Rmf / Rmc Charts

Rm @ BHT .88 @ 124

Operating Rig Time 4 Hours

Max Rec. Temp. F 124

Equipment Number 10

Location Hays

Recorded By Jason Wellbrock

Witnessed By Steve Davis

<<< 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.

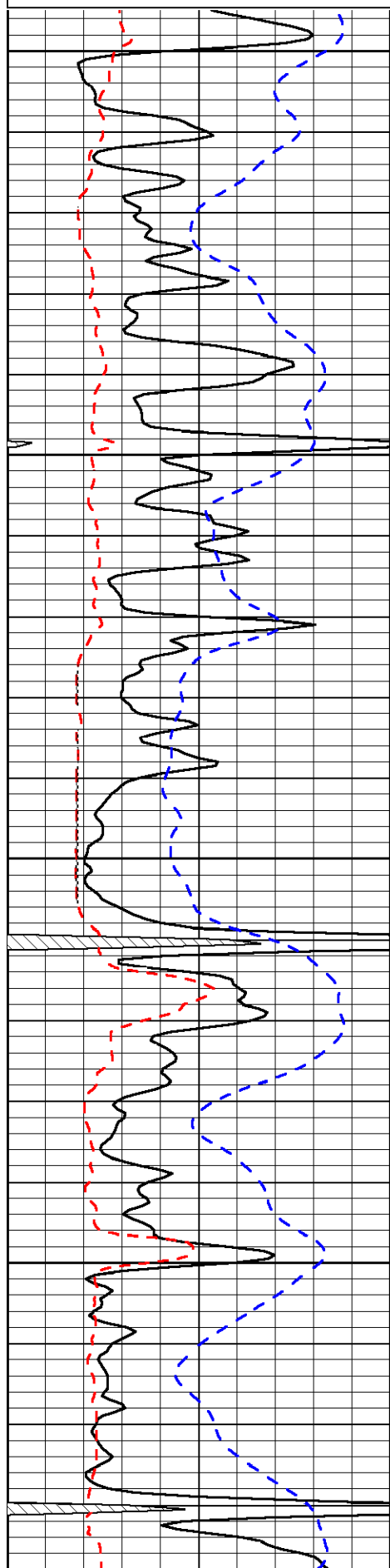
Comments

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

Dighton 10W, 3 S, 1 W, N 1/4, W Into

Database File: c:\warrior\data\larson_whiting no. 2-31\larshd.db
Dataset Pathname: dil\lar2in
Presentation Format: micro
Dataset Creation: Fri Mar 27 07:23:14 2009
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (in)	16
-200	SP (MV)	0



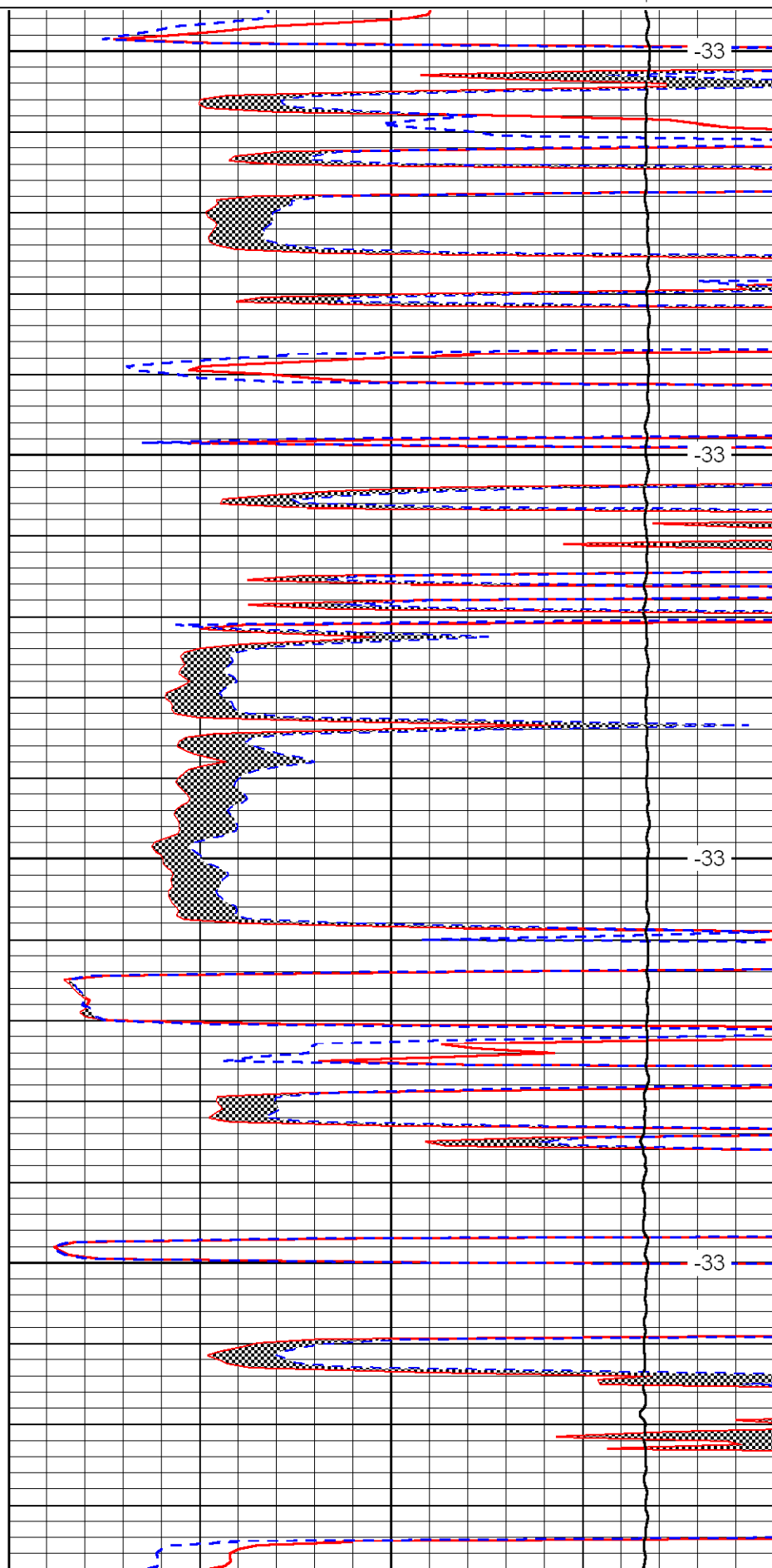
3800

3850

3900

3950

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



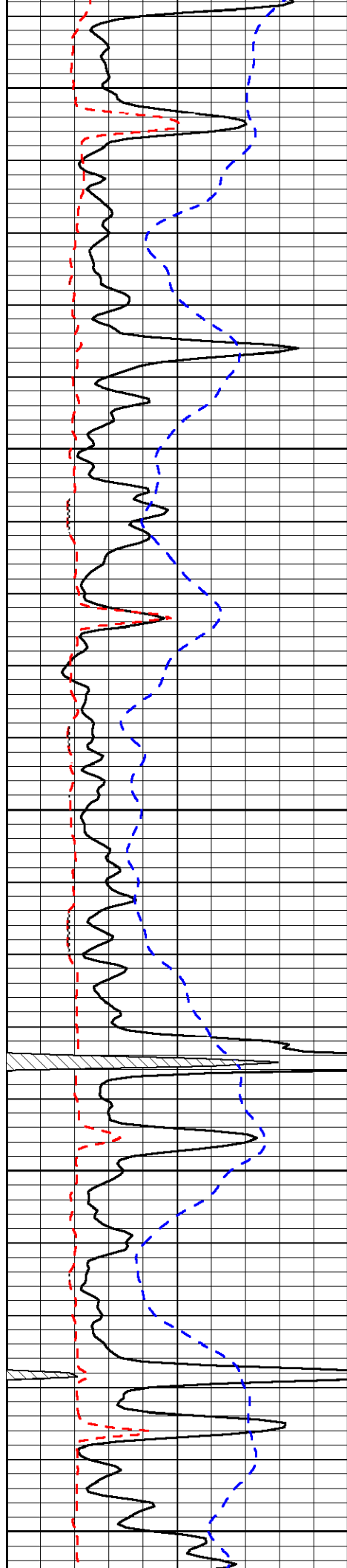
LSPD
(ft/min)

-33

-33

-33

-33



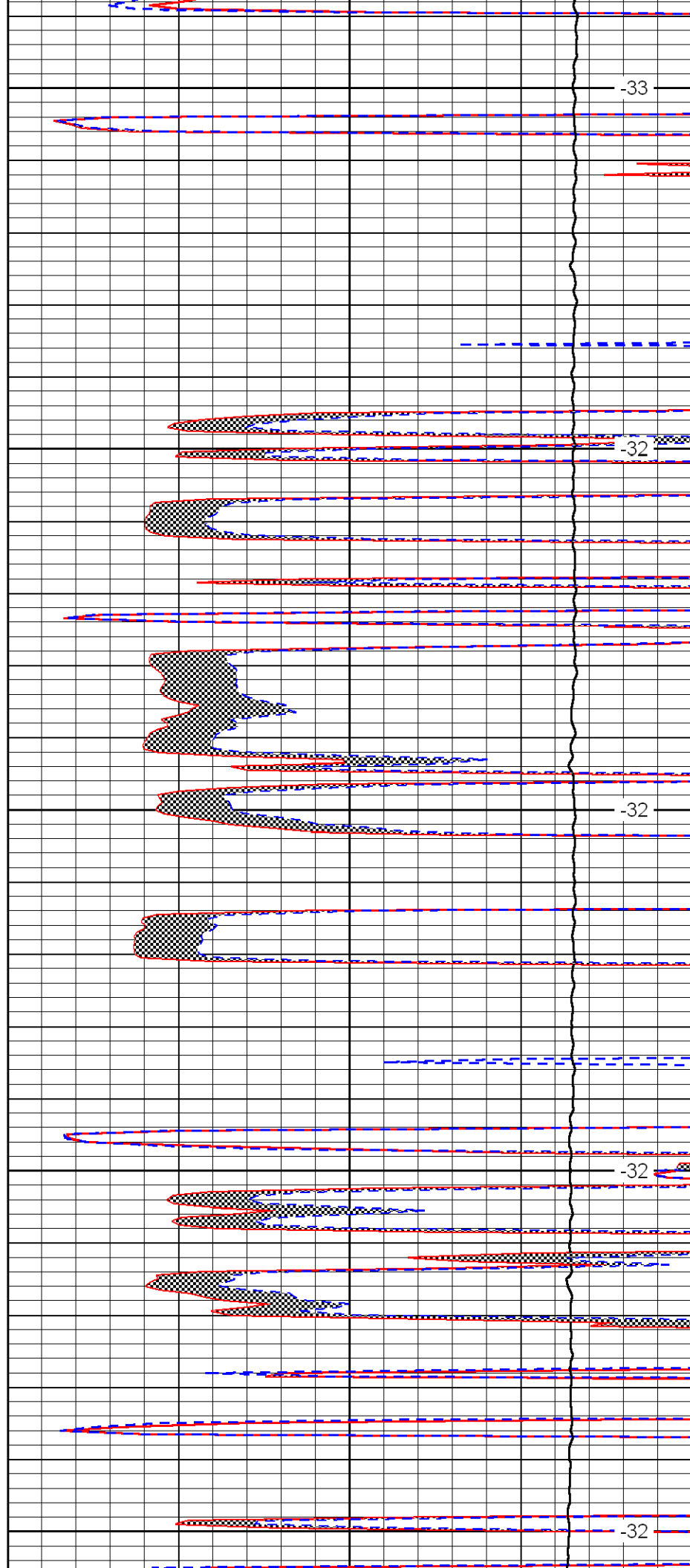
4000

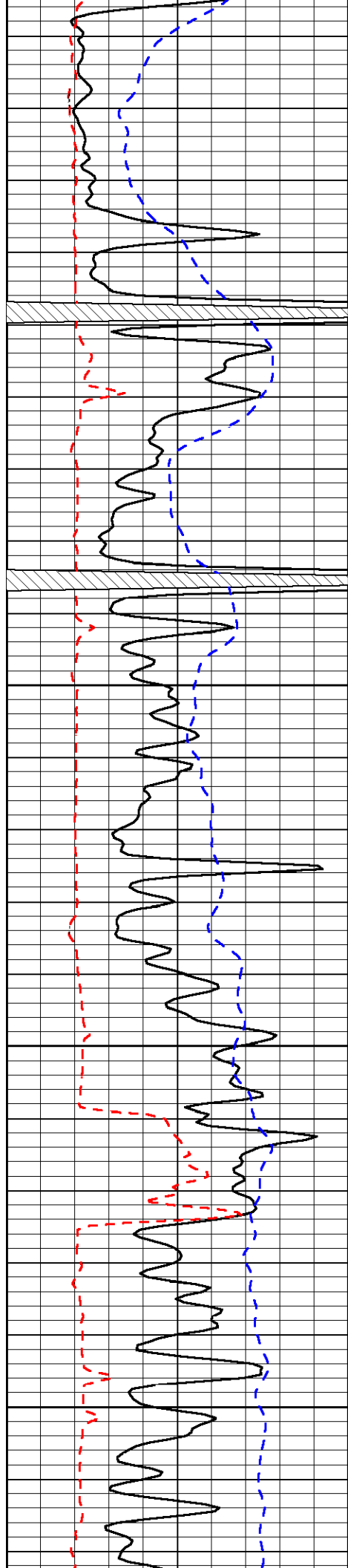
4050

4100

4150

4200



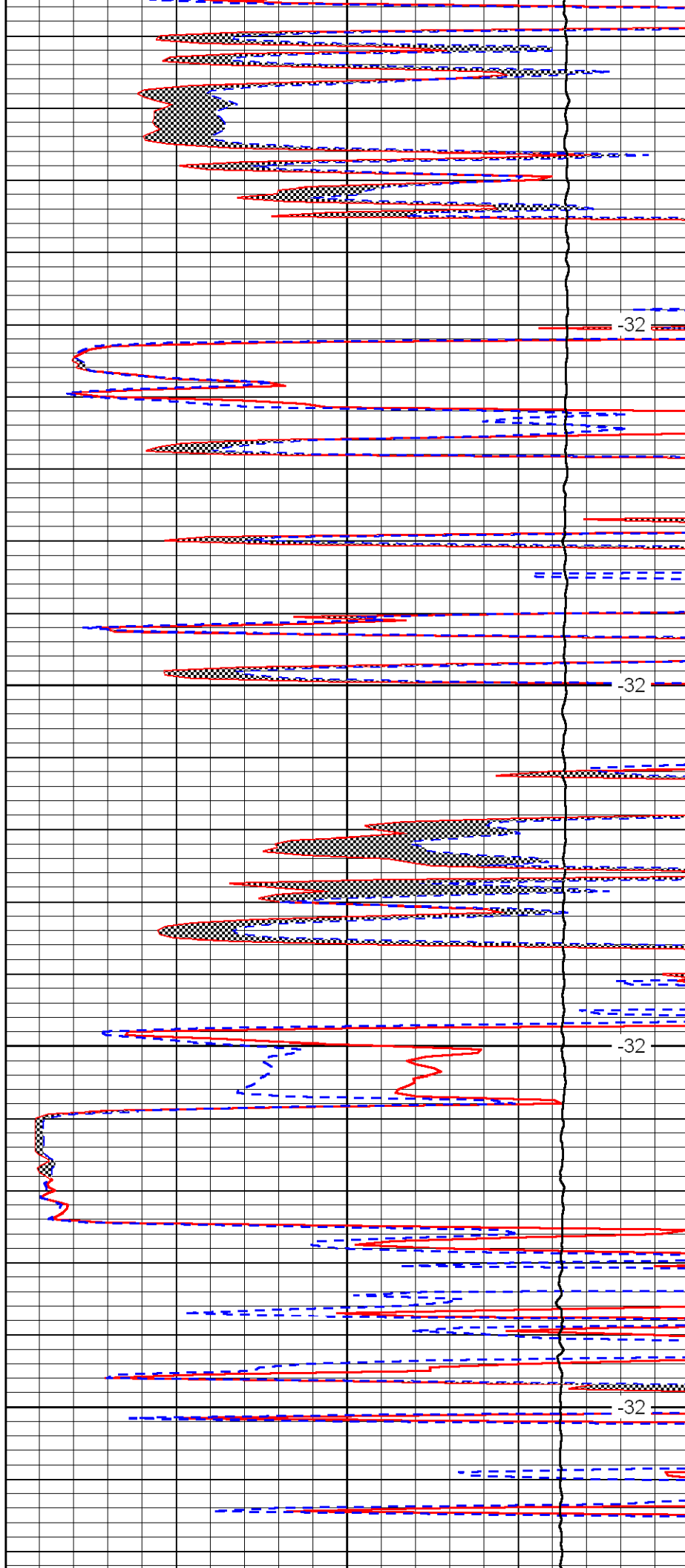


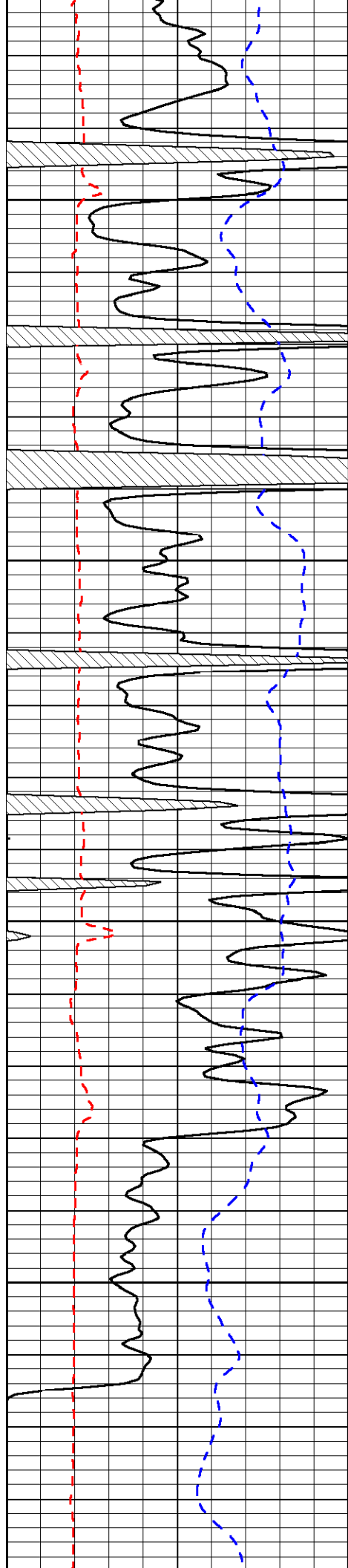
4250

4300

4350

4400



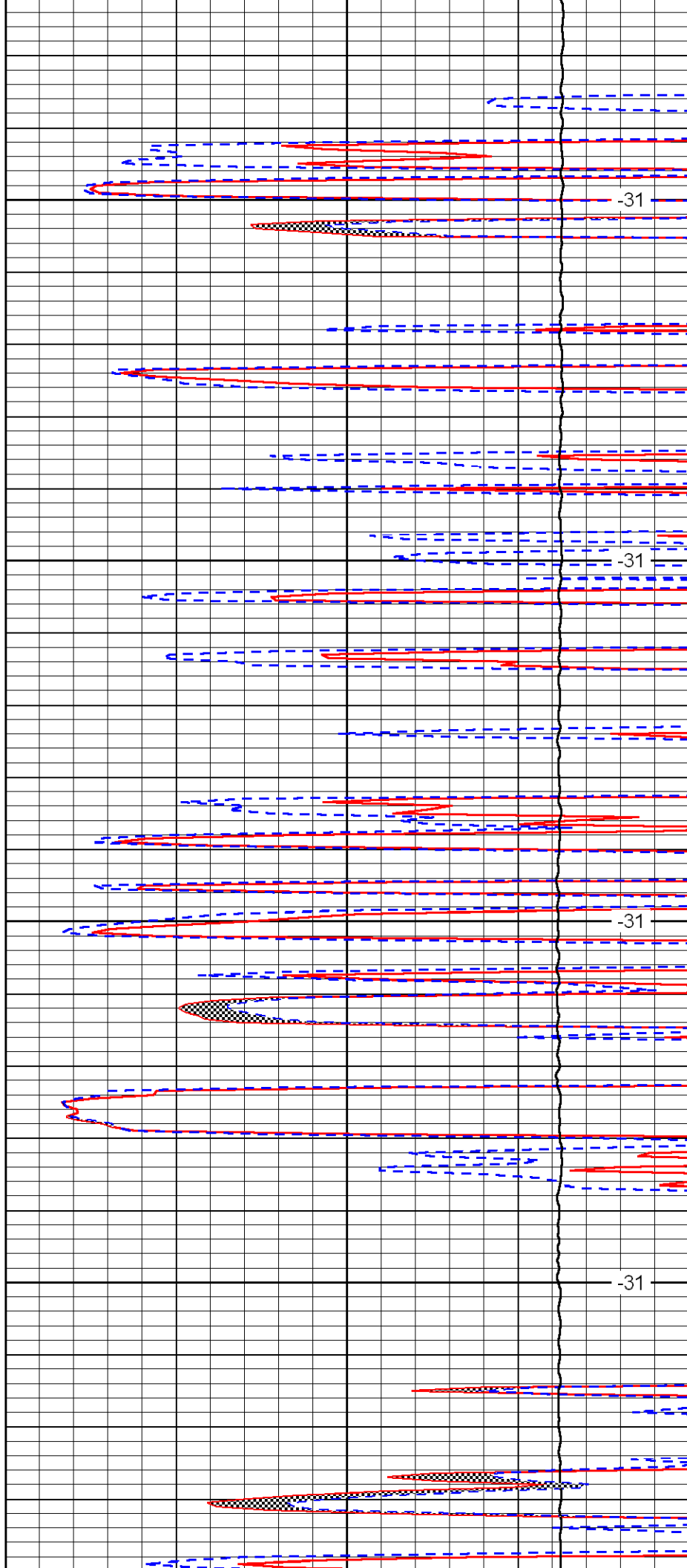


4450

4500

4550

4600

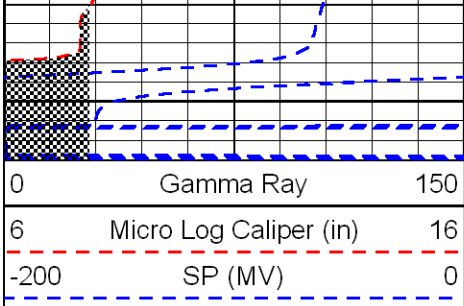


-31

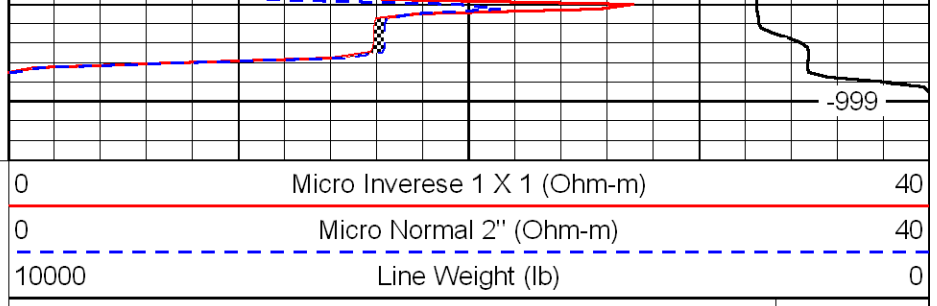
-31

-31

-31



4650



LSPD
(ft/min)