



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.

15-101-22,365-00-00

Company Larson Engineering, Inc.

Well L. York No. 1-13

Field Paris

County Lane State

Kansas

Location

2294' FSL & 704' FWL

Other Services
CNL/CDL
DIL

Sec: 13

Twp: 19 S

Rge: 29 W

Elevation

K.B. 2821

D.F. 2814

G.L. 2814

Elevation 2814

7 Ft. Above Perm. Datum

Log Measured From Kelly Bushing

Drilling Measured From Kelly Bushing

Date

4/30/2012

Run Number

Two

Depth Driller

4685

Depth Logger

4684

Bottom Logged Interval

4683

Top Log Interval

3600

Casing Driller

8.625 @ 260

Casing Logger

256

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2,500

Density / Viscosity

9.4 62

pH / Fluid Loss

9.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

.70 @ 58

Rmf @ Meas. Temp

.53 @ 58

Rmc @ Meas. Temp

.95 @ 58

Source of Rmf / Rmc

Charts

Rm @ BHT

.28 @ 125

Operating Rig Time

4 Hours

Max Rec. Temp. F

125

Equipment Number

91

Location

Hays

Recorded By

K. Bange

Witnessed By

Vern Schrag

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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.

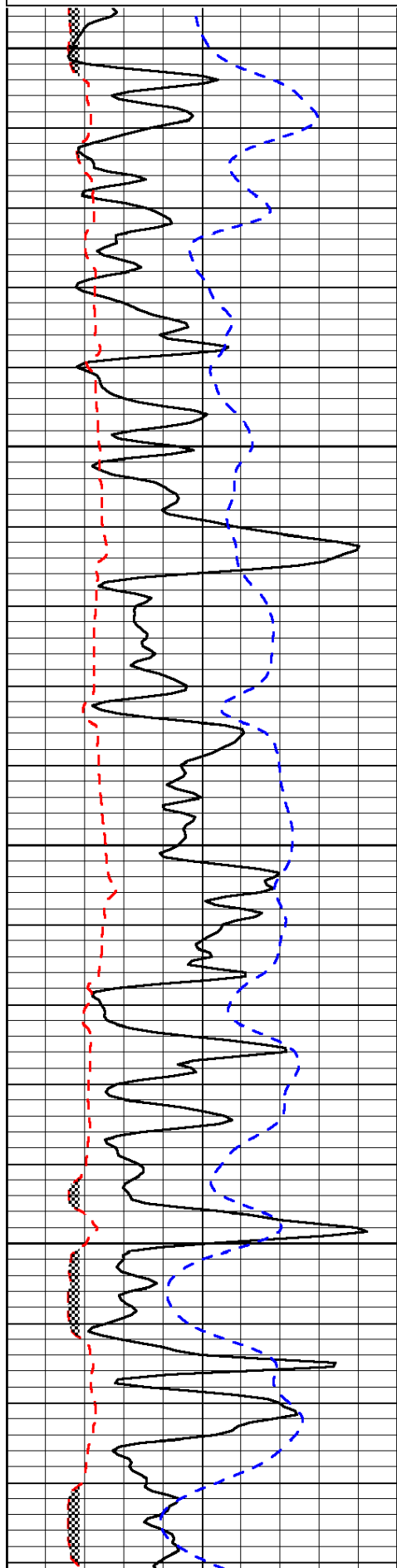
Comments

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

Dighton, 6 S to 90 rd,
1 W, 1/2 N, E into

Database File: c:\warrior\data\larson_l. york no. 1-13\larson043012hd.db
Dataset Pathname: dil/lrsnstk
Presentation Format: micro
Dataset Creation: Mon Apr 30 09:57:49 2012
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



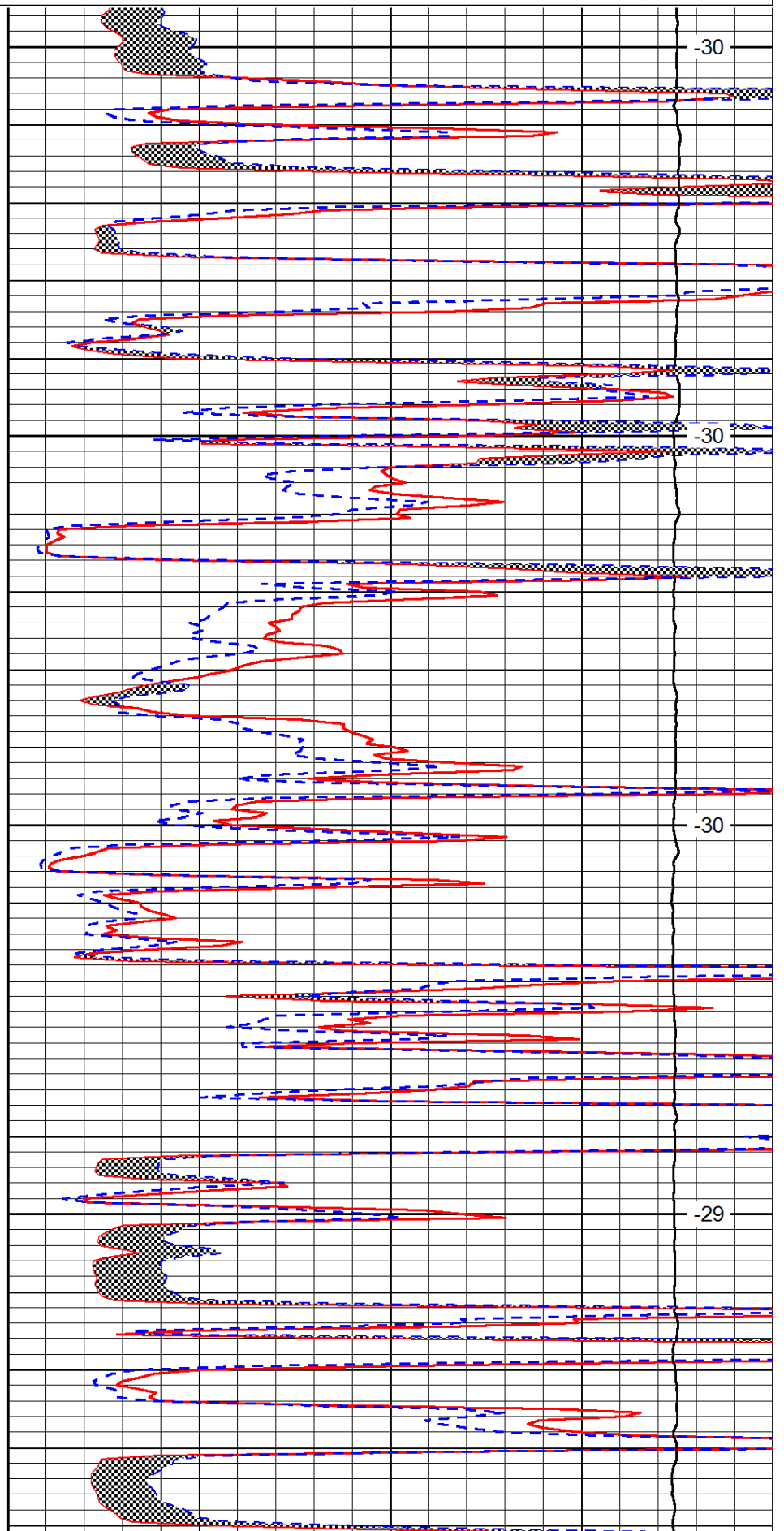
3600

3650

3700

3750

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0



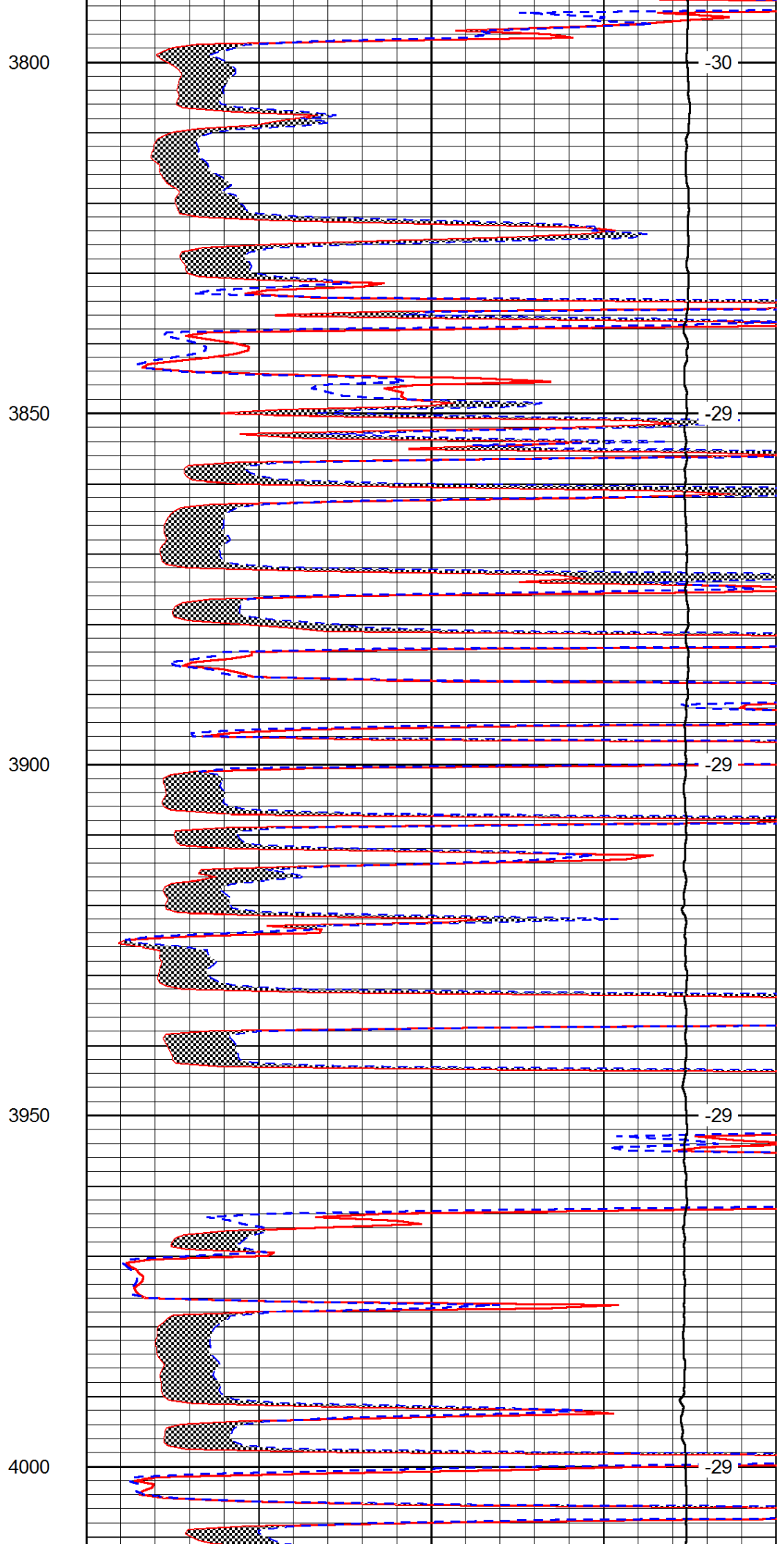
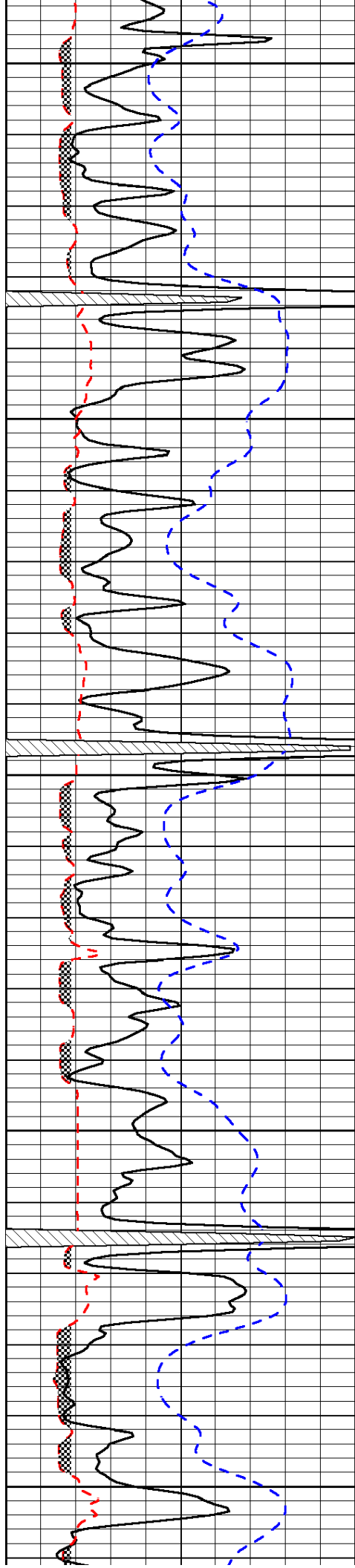
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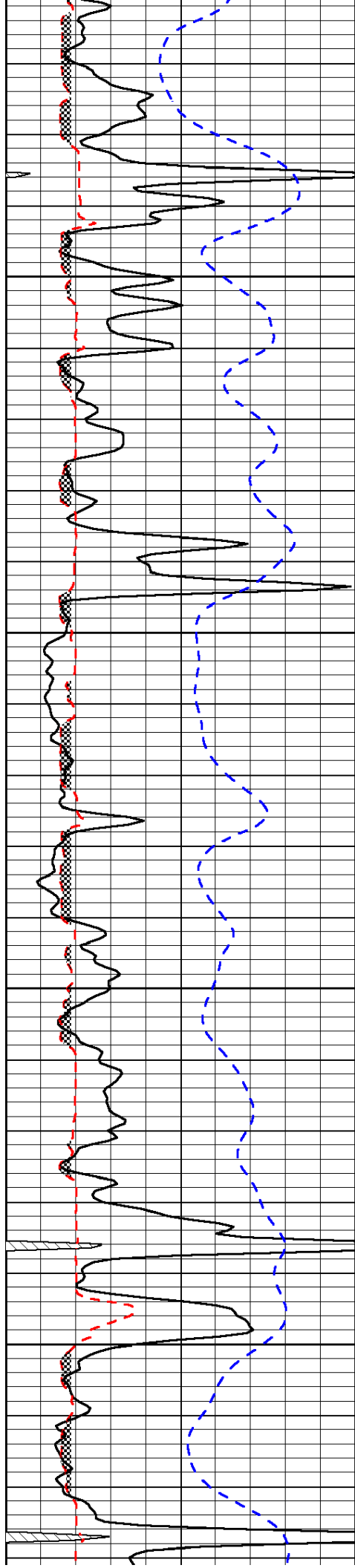
-30

-30

-29

LSPD



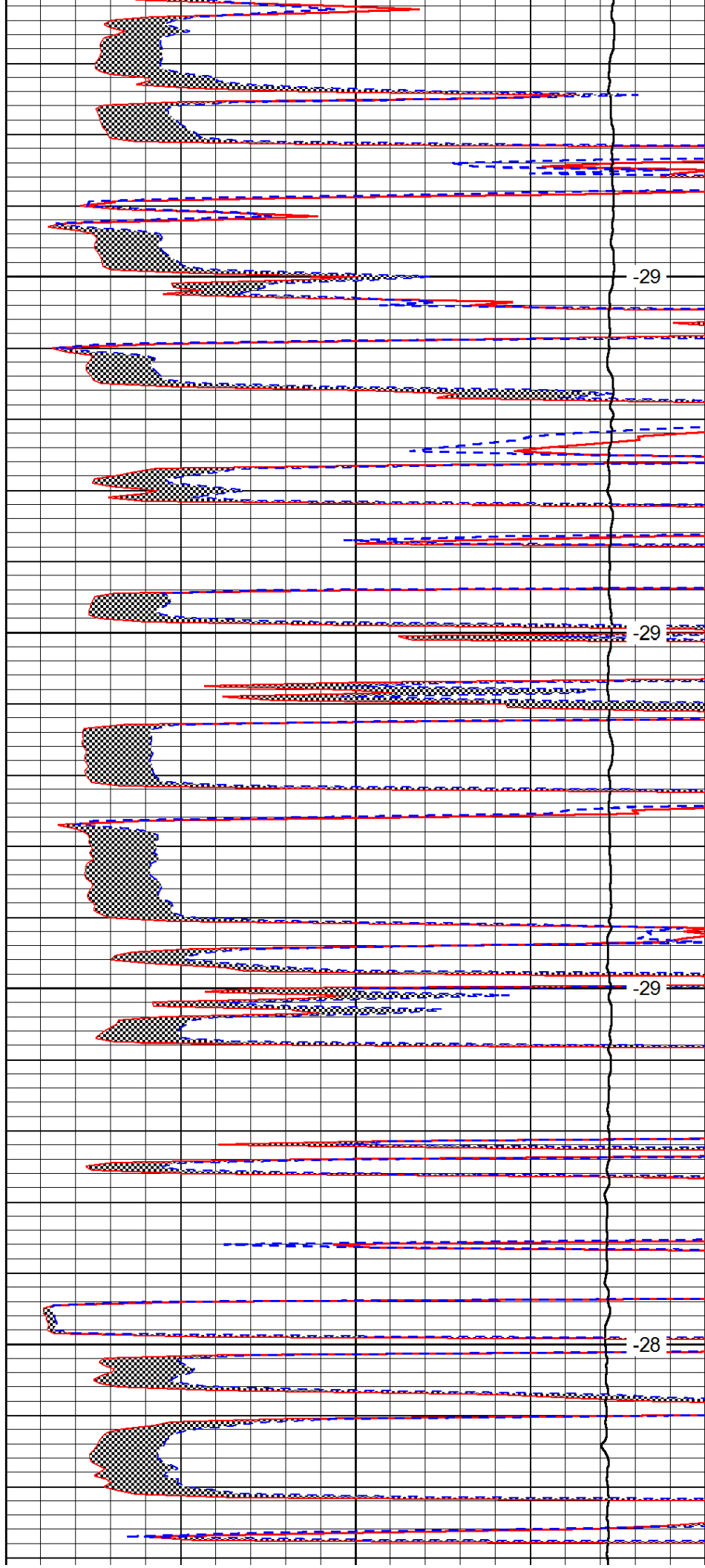


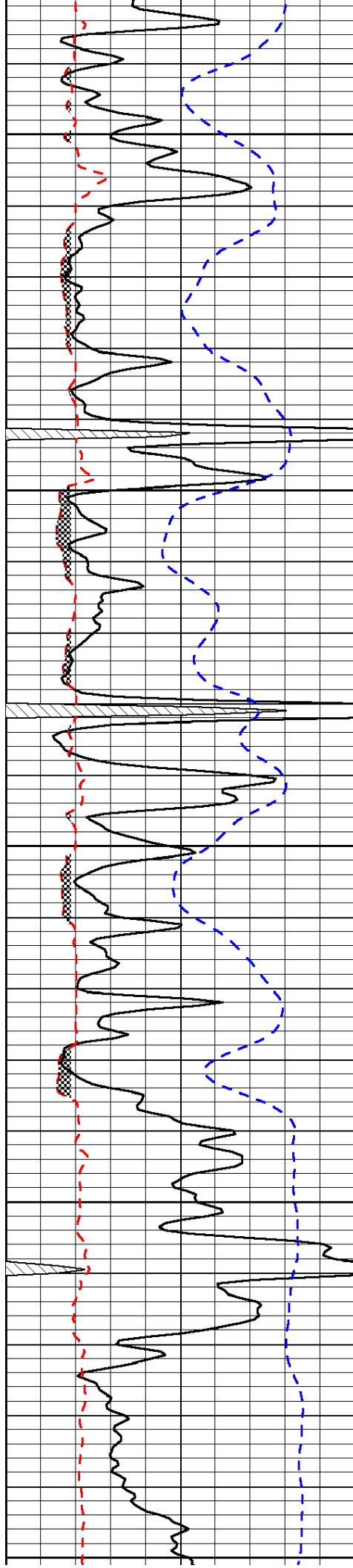
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4100

4150

4200





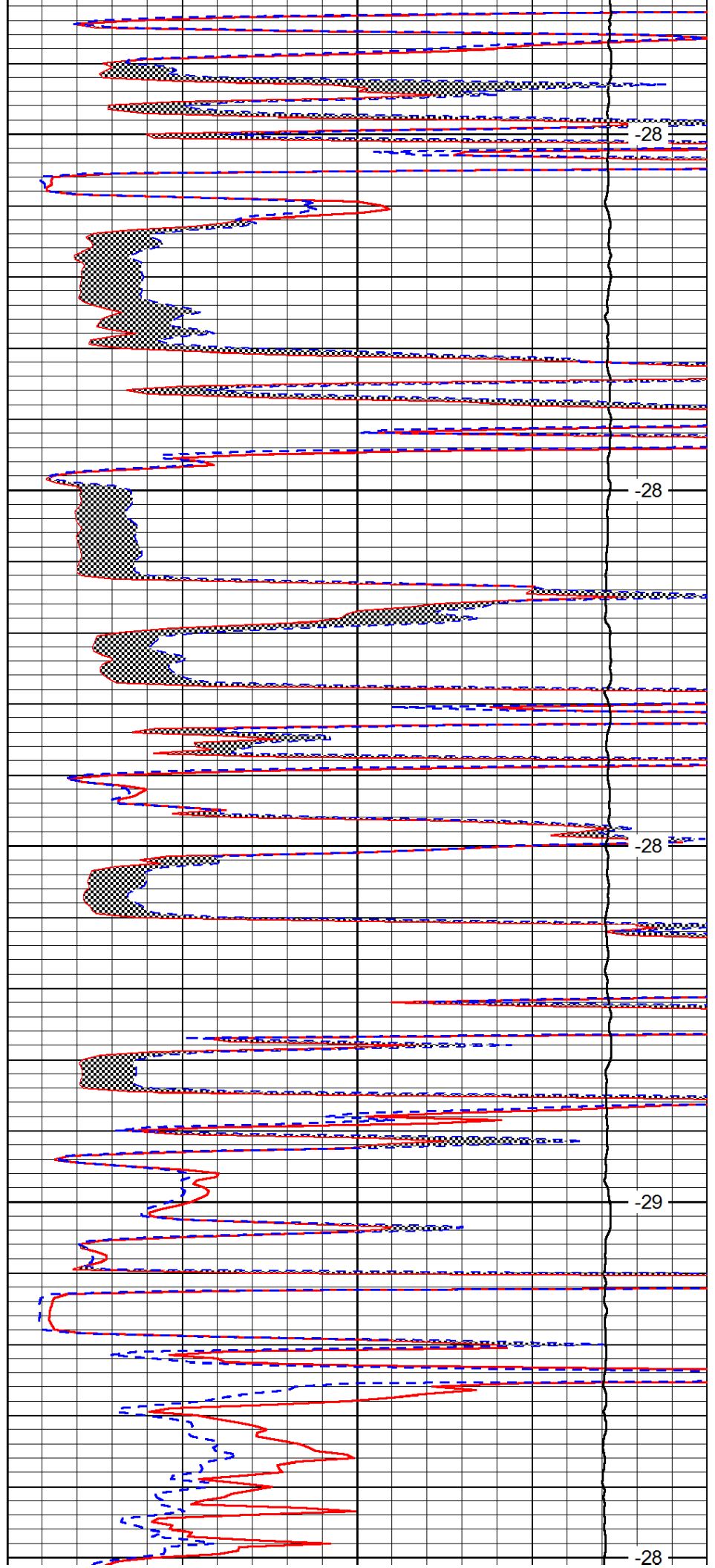
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4300

4350

4400

4450



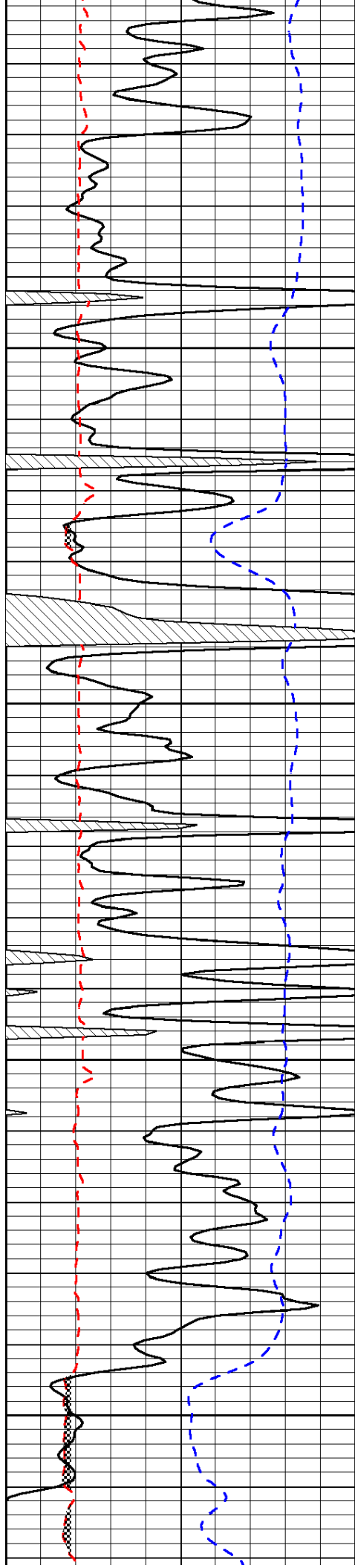
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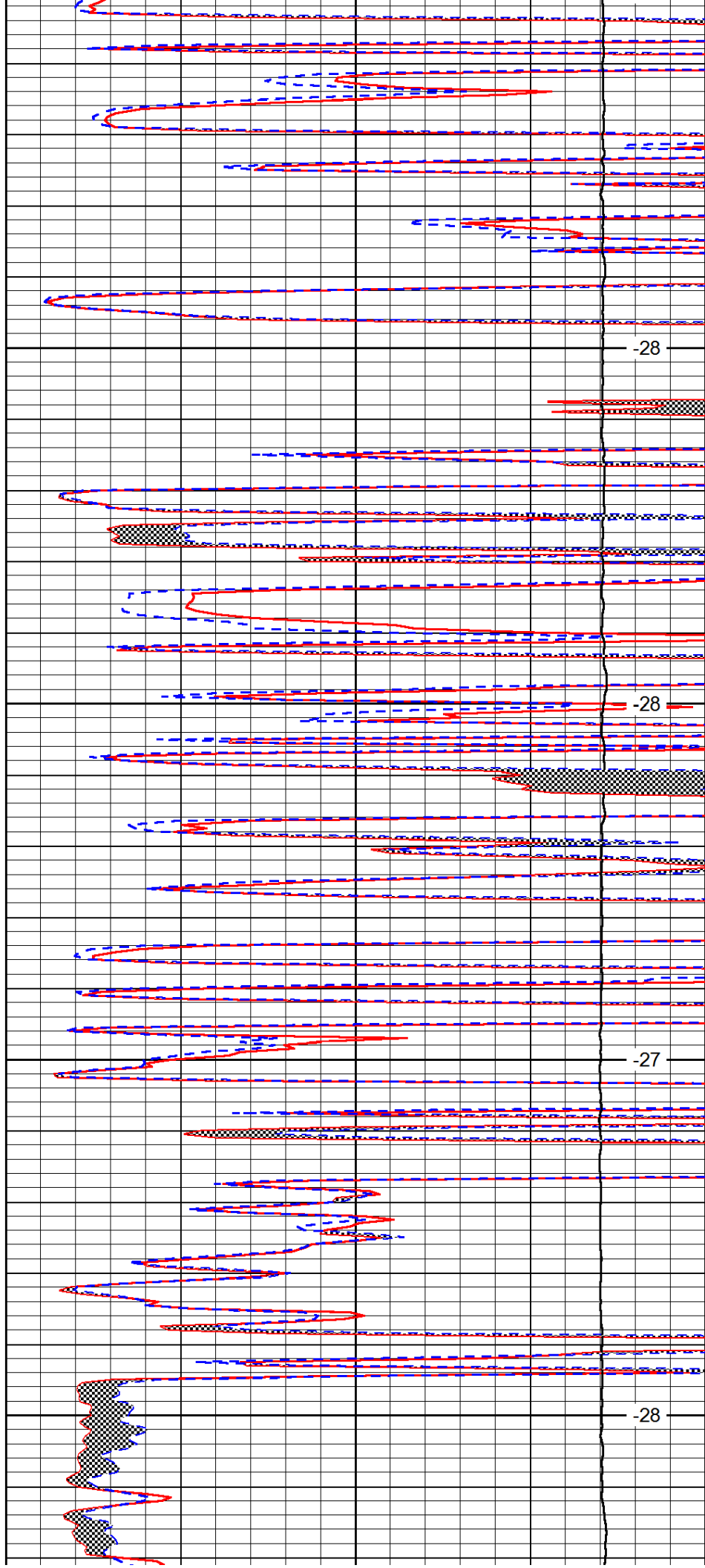


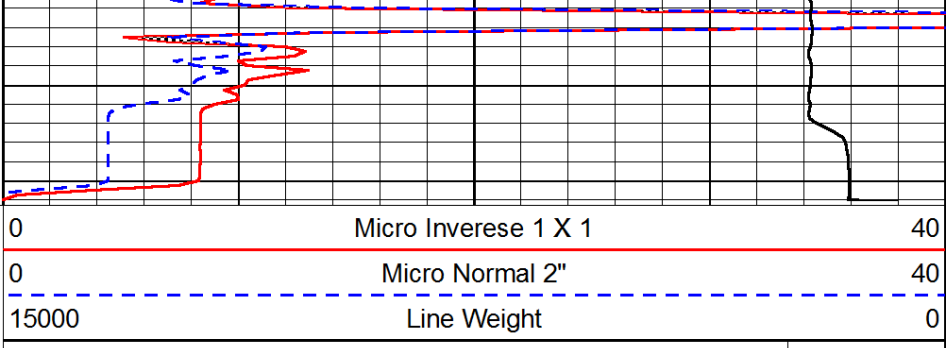
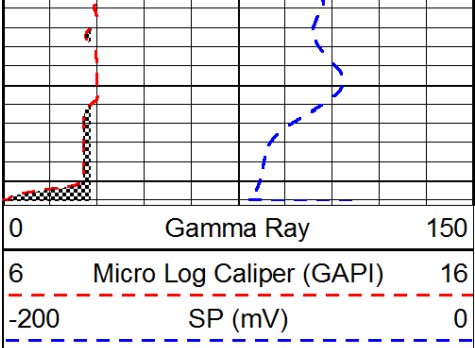
4500

4550

4600

4650





LSPD