



Microresistivity Log

Pioneer Energy Services

API No.

15-109-21,286-00-00

Company **Blake Exploration, LLC**

Well **Audrey # 2**

Field **Smoky Valley East**

County **Logan** State

Kansas

Location **875' FSL & 1,750' FWL**

Other Services
CNL/CDL
DIL

Sec: 31 Twp: 13S Rge: 32W

Permanent Datum **Ground Level** Elevation **2906**

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

Drilling Measured From **Kelly Bushing**

Elevation

K.B. 2916
D.F. 2906
G.L. 2906

Date

6/15/2014

Run Number

Two

Depth Driller

4585

Depth Logger

4586

Bottom Logged Interval

4585

Top Log Interval

3600

Casing Driller

8.625 @ 223

Casing Logger

219

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

13400

Density / Viscosity

9.3 56

pH / Fluid Loss

10.0 11.6

Source of Sample

Flowline

Rm @ Meas. Temp

.33 @ 80

Rmf @ Meas. Temp

.25 @ 80

Rmc @ Meas. Temp

.45 @ 80

Source of Rmf / Rmc

Charts

Rm @ BHT

.22 @ 122

Operating Rig Time

4 Hours

Max Rec. Temp. F

122

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Mike Davignon

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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.

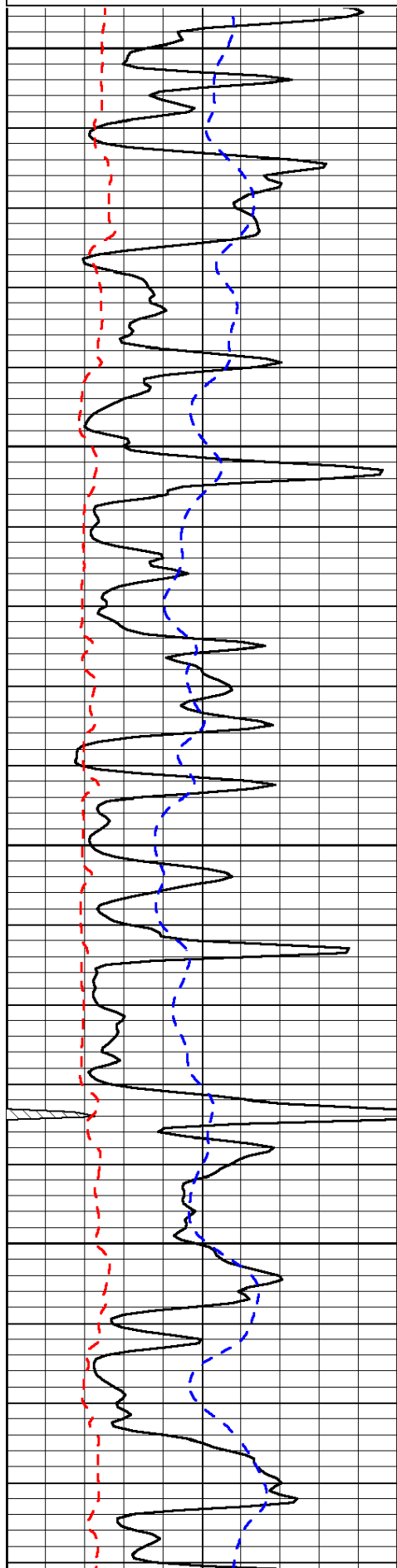
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Oakley, 17 South to Mustang Road, 3 1/2 West, North Into

Database File: c:\warrior\data\blake exploration_audrey # 2\blakeexploration_audrey_2hd.db
Dataset Pathname: dil\blakstck
Presentation Format: micro
Dataset Creation: Sun Jun 15 19:50:20 2014
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

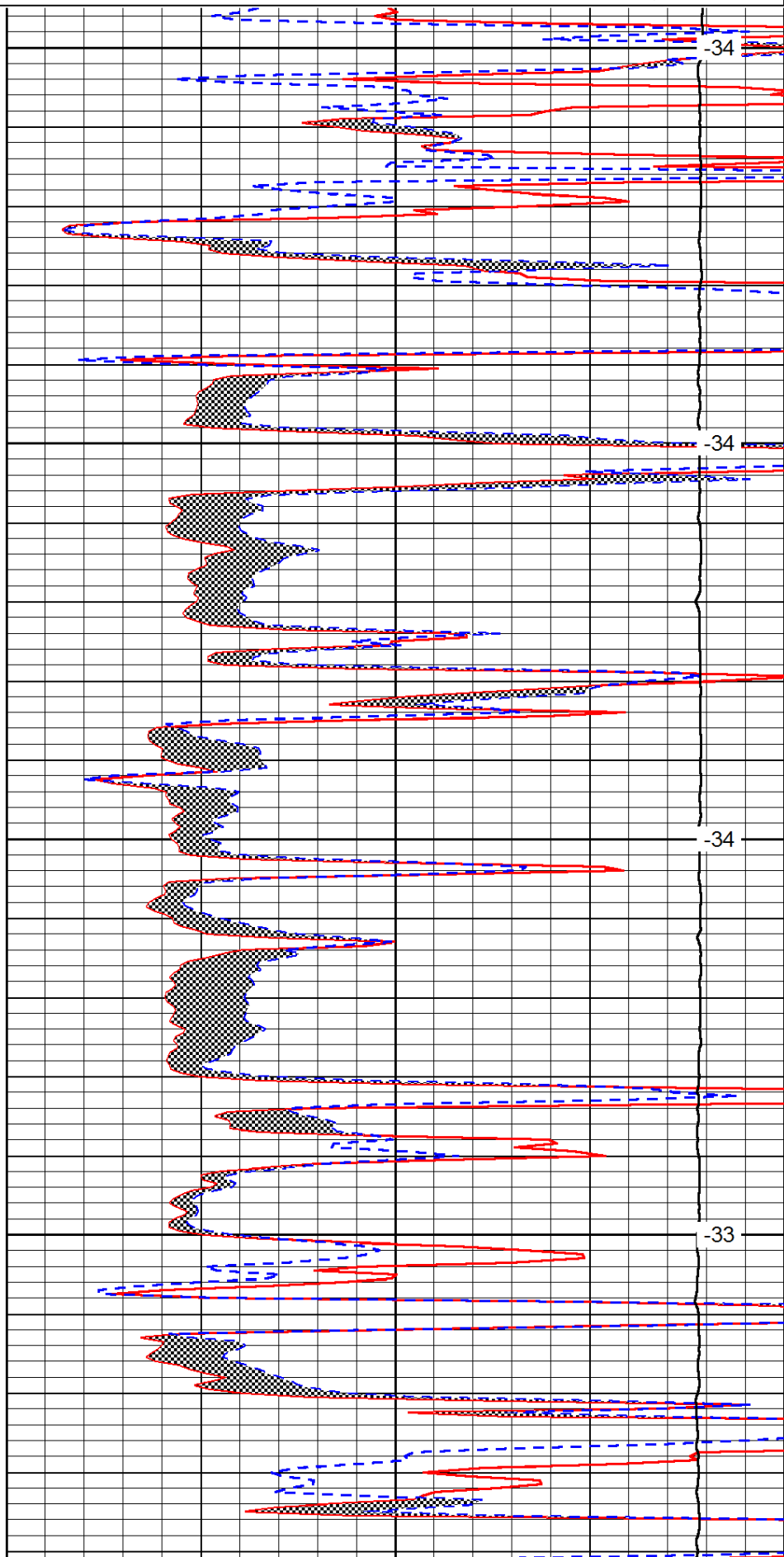
3650

3700

3750

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

LSPD

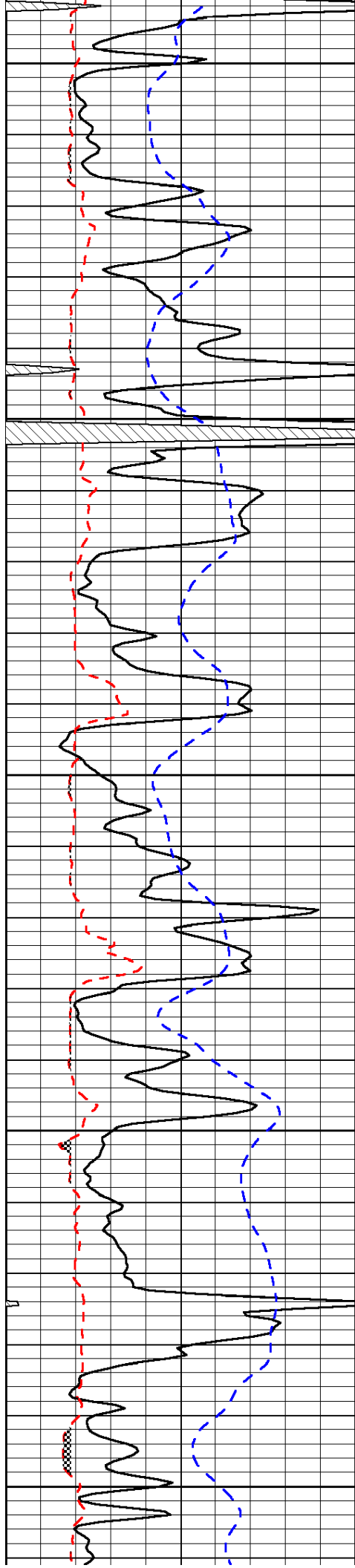


-34

-34

-34

-33



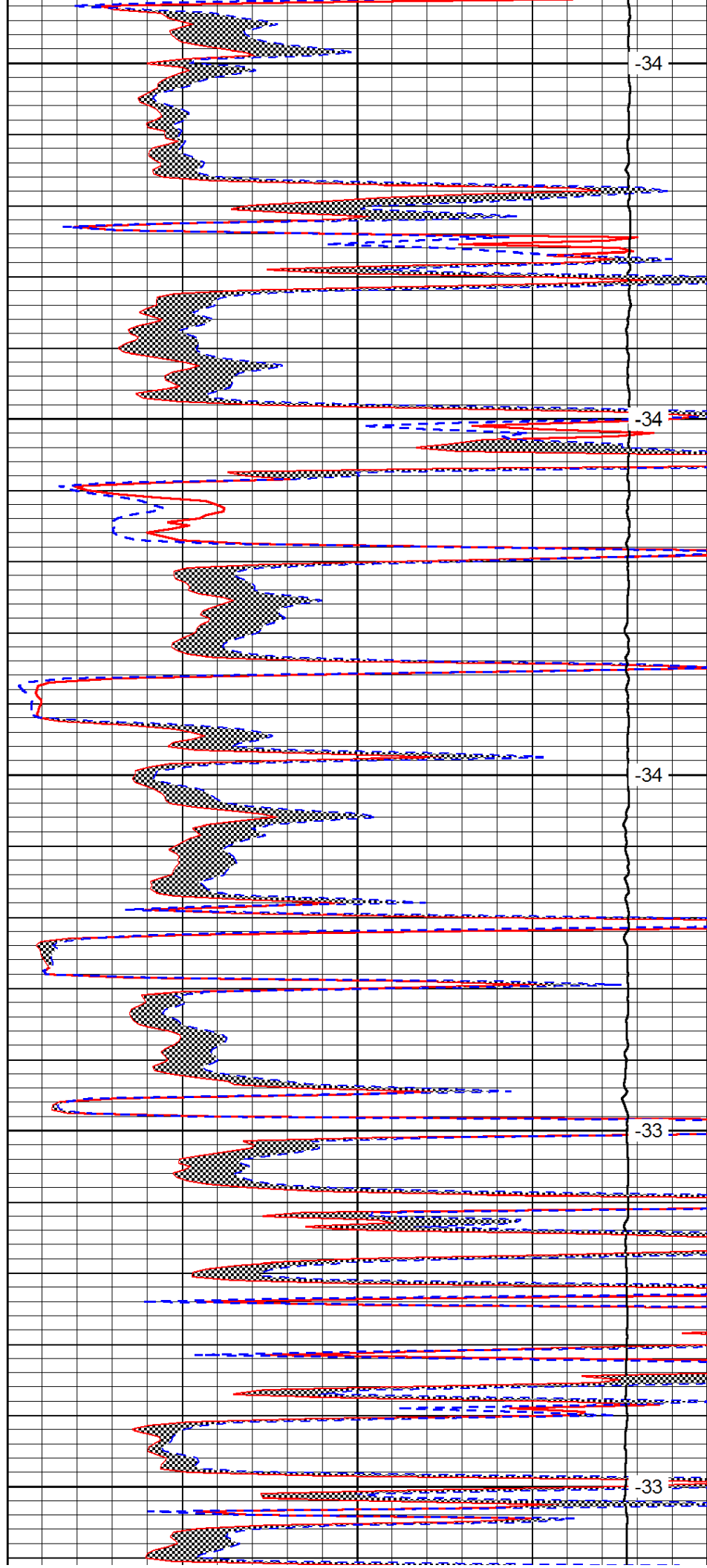
3800

3850

3900

3950

4000



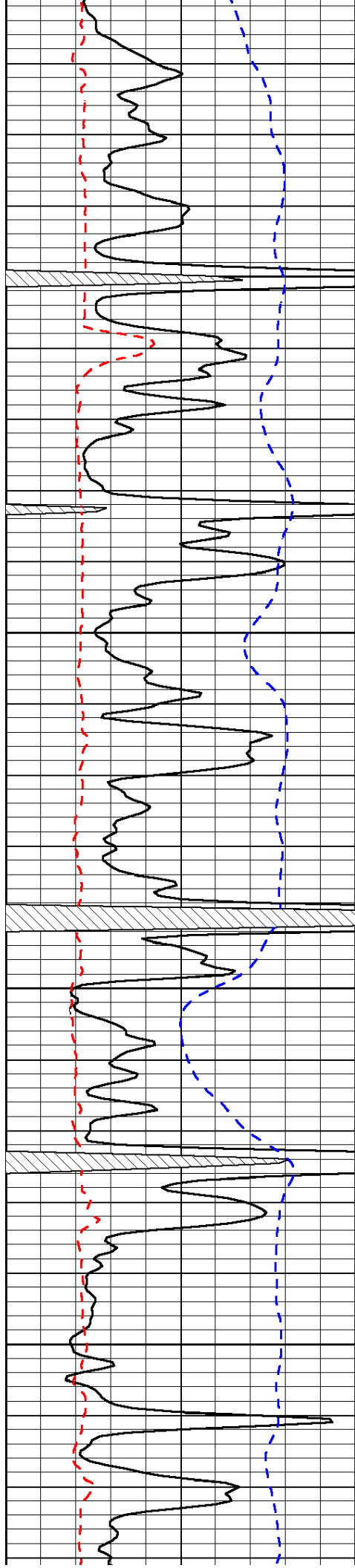
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-34

-34

-33

-33

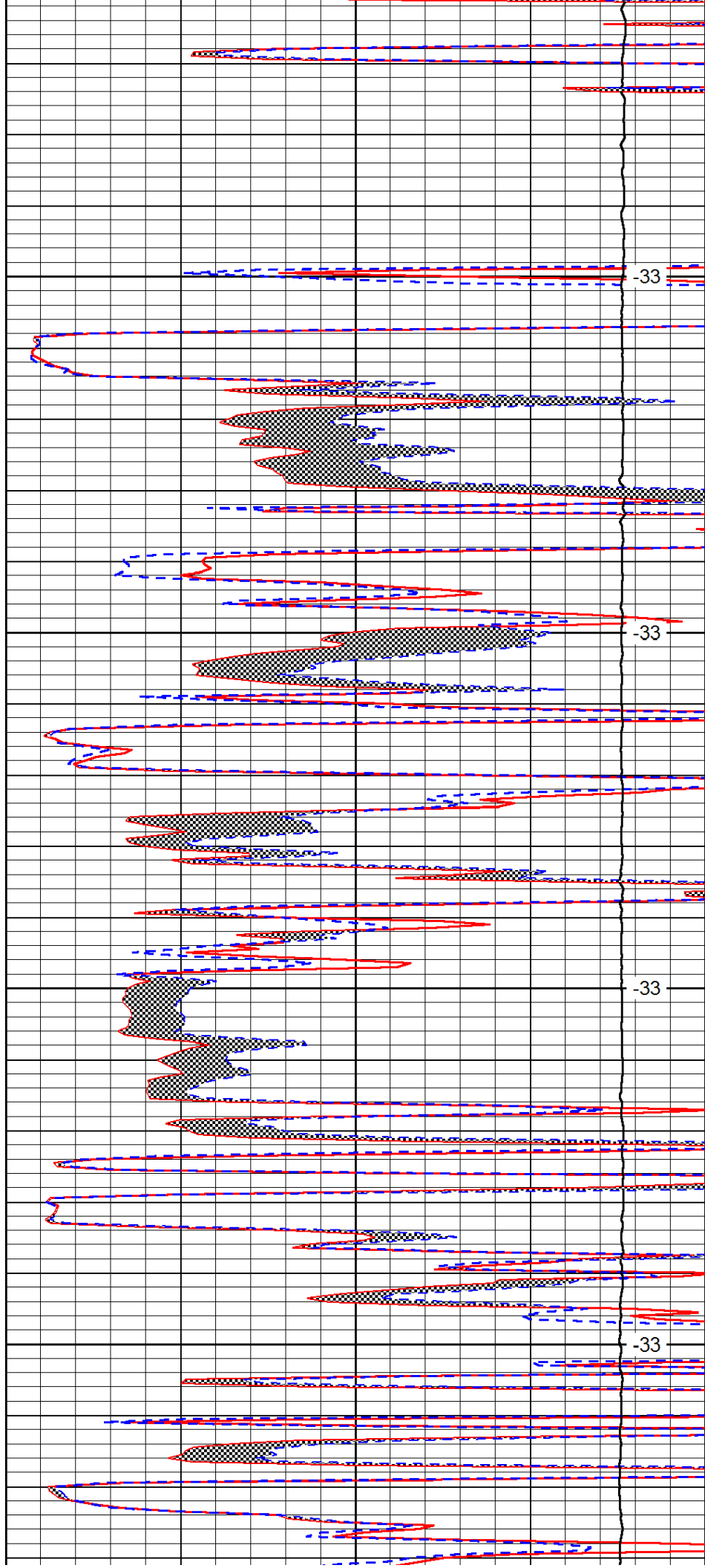


4050

4100

4150

4200

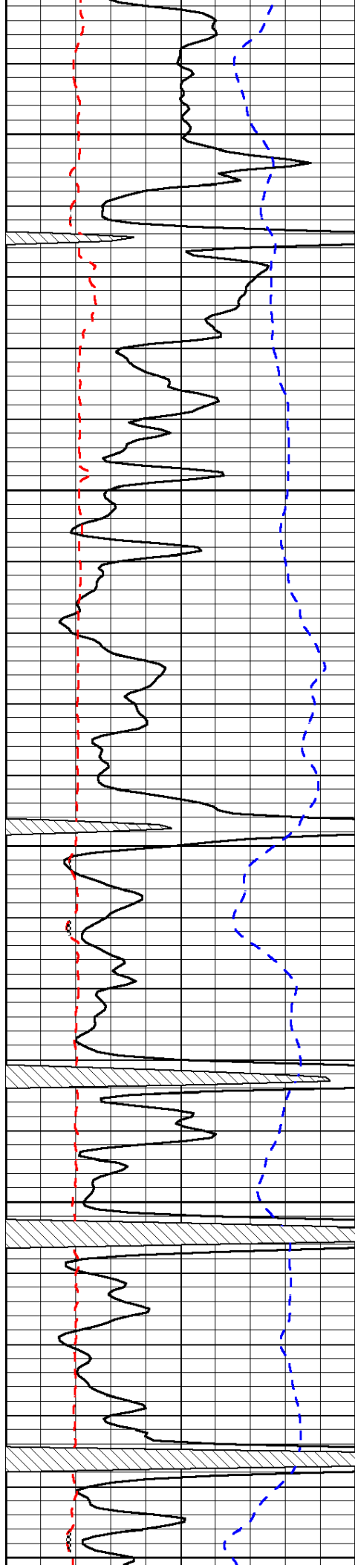


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-33



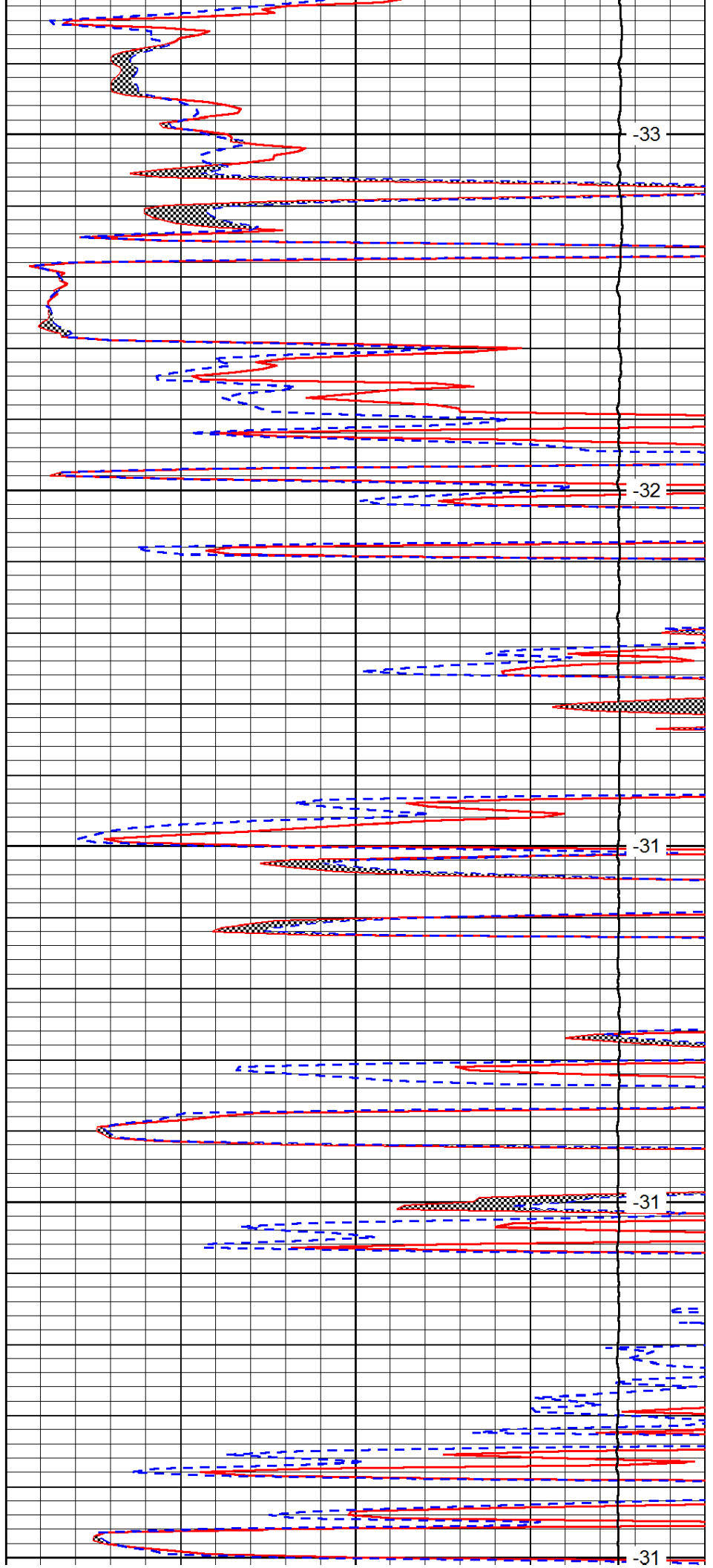
4250

4300

4350

4400

4450



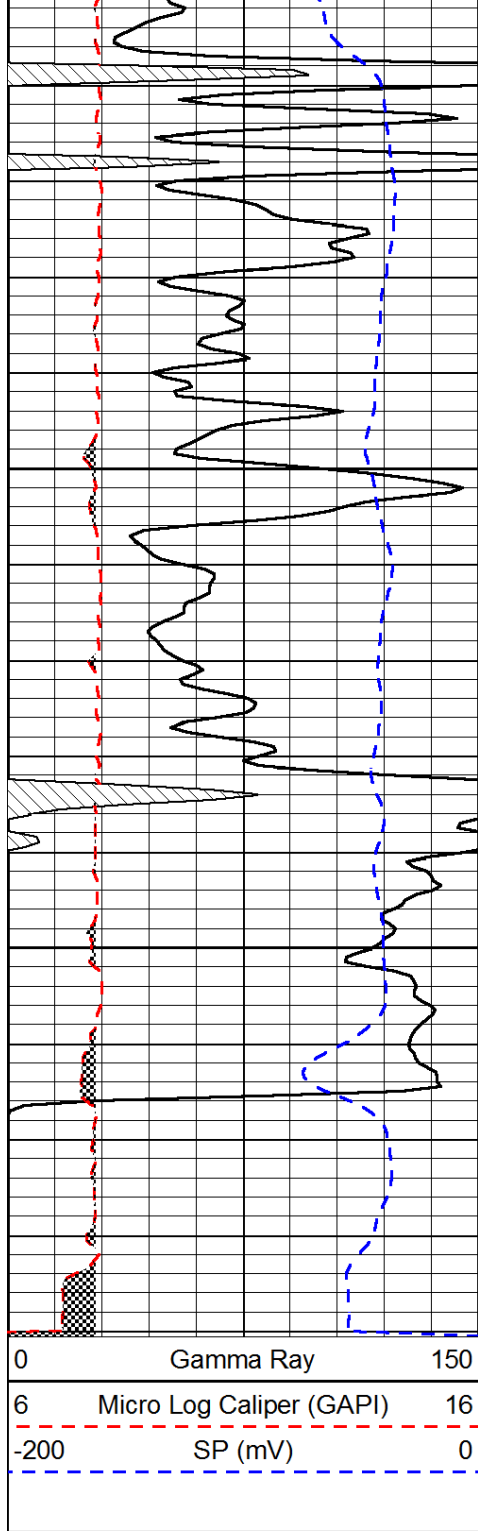
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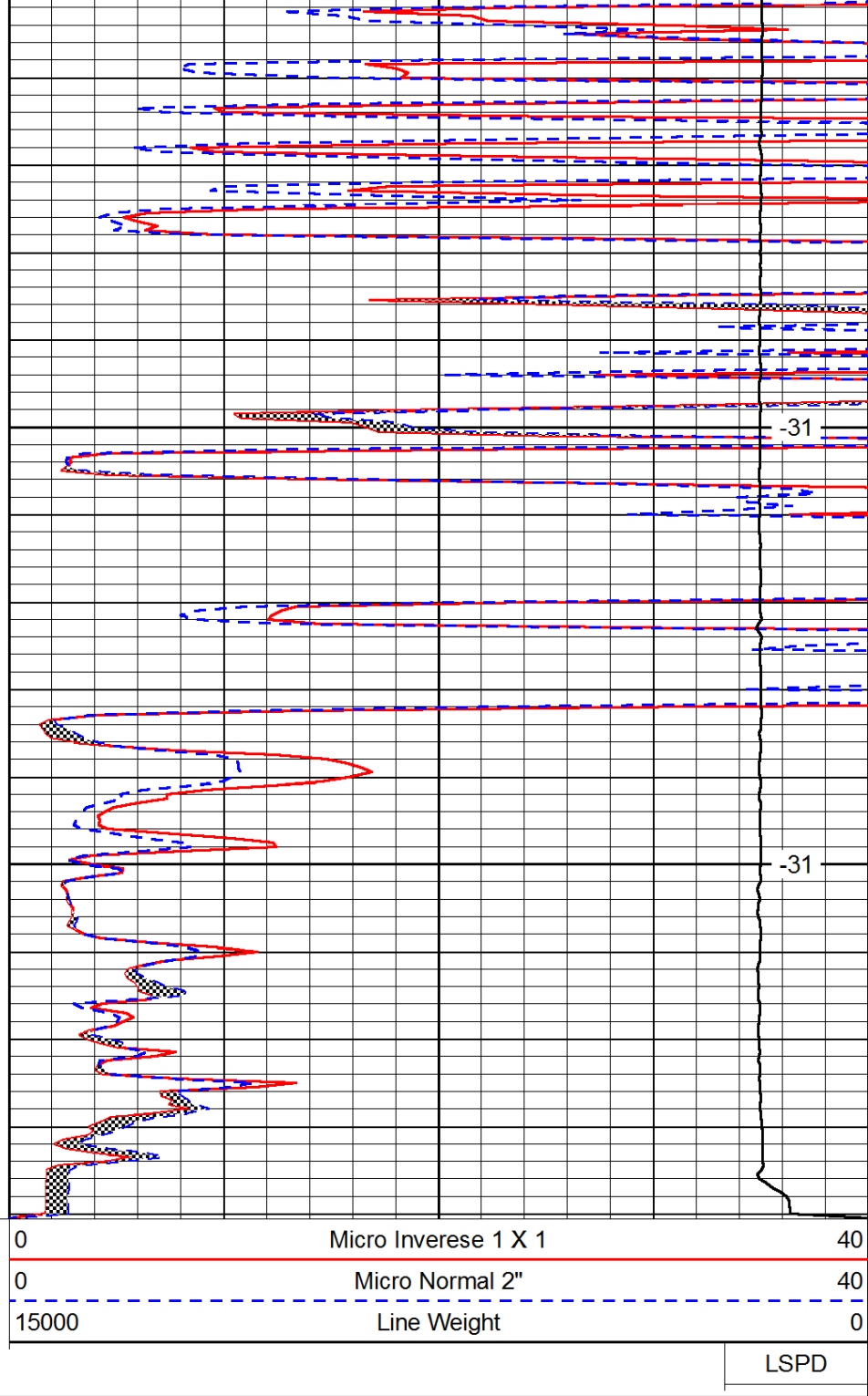
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-31



4500

4550



LSPD