



Microresistivity Log

Pioneer Energy Services

API No.

15-159-22,690-00-01

Company **Quest Energy, LLC**
Well **Sieker #31-1**
Field **Chase-Silica**
County **Rice** State **Kansas**

Location **NW-NW-SE-SE
1255' FSL & 1025' FEL**
Sec: **31** Twp: **19S** Rge: **10W**

Other Services
CNL/CDL
DIL

Elevation

Permanent Datum **Ground Level** Elevation **1790**
Log Measured From **Kelly Bushing** 6 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

K.B. 1796
D.F. 1790
G.L. 1790

Date **2/7/2013**

Run Number **Two**

Depth Driller **3460**

Depth Logger **3462**

Bottom Logged Interval **3461**

Top Log Interval **2600**

Casing Driller **8.625 @ 289**

Casing Logger **288**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **7.000**

Density / Viscosity **8.6 53**

pH / Fluid Loss **10.0 9.6**

Source of Sample **Flowline**

Rm @ Meas. Temp **.40 @ 60**

Rmf @ Meas. Temp **.30 @ 60**

Rmc @ Meas. Temp **.54 @ 60**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.22 @ 111**

Operating Rig Time **3 1/2 Hours**

Max Rec. Temp. F **111**

Equipment Number **15**

Location **Hays**

Recorded By **J. Henrickson**

Witnessed By **Tracy Hynes**

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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.

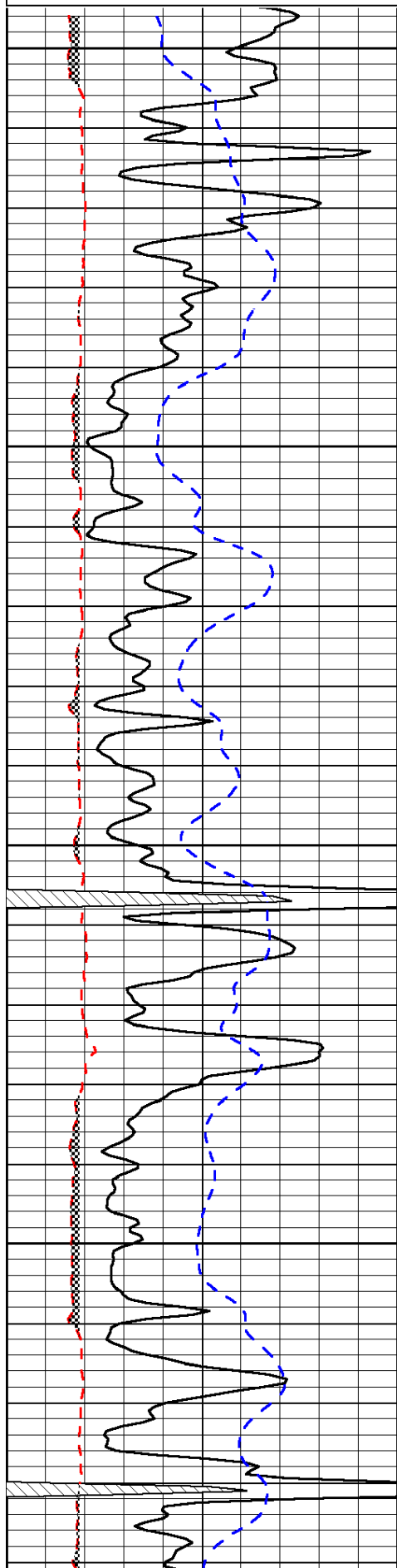
Comments

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

Ellinwood KS
5 East, 1/4 North, West Into

Database File: c:\warrior\data\quest energy_sieker #31-1\quest_sieker_31_1hd.db
Dataset Pathname: DIL\qtstk
Presentation Format: micro
Dataset Creation: Thu Feb 07 14:31:28 2013
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

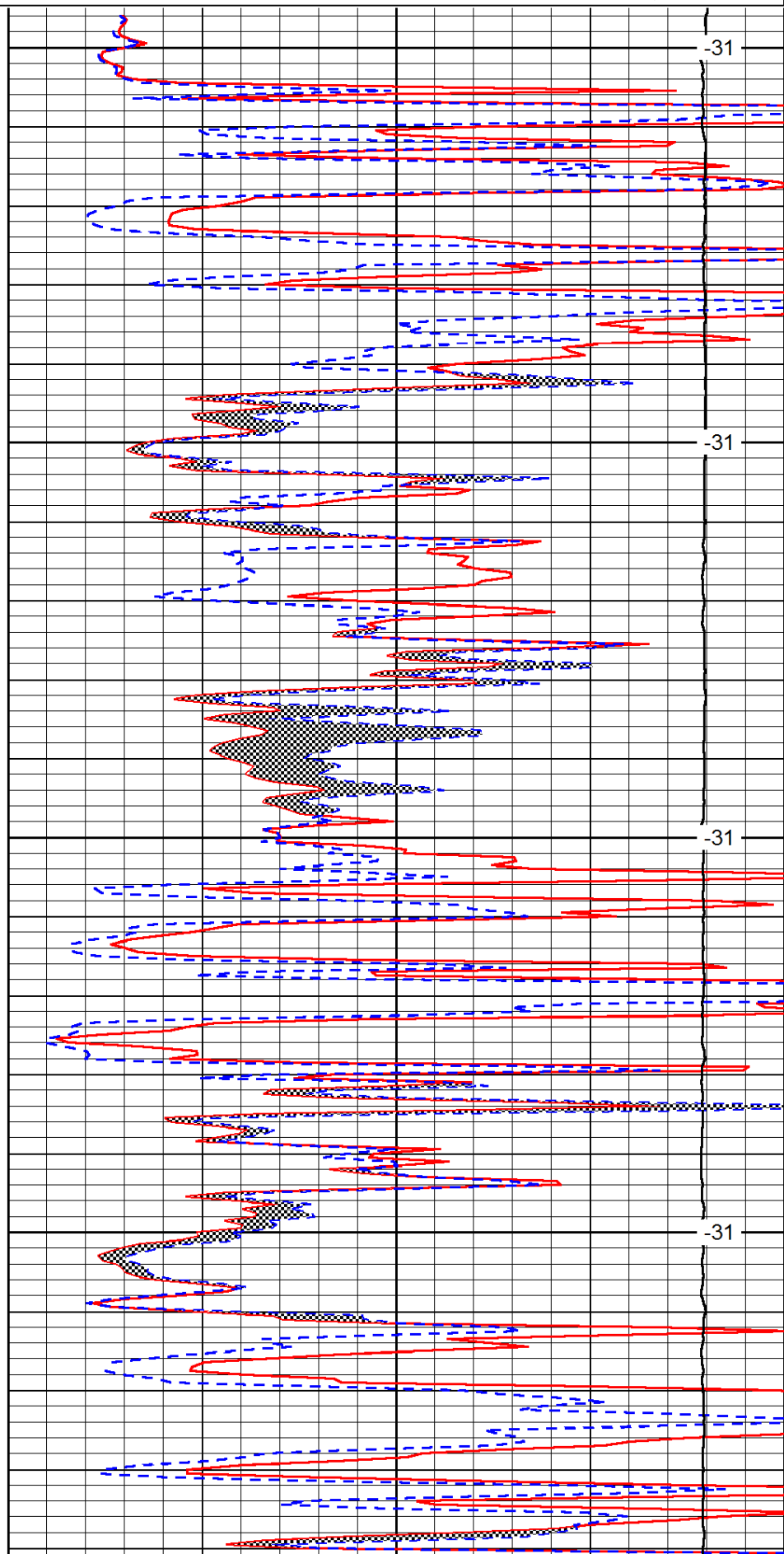


2600

2650

2700

2750



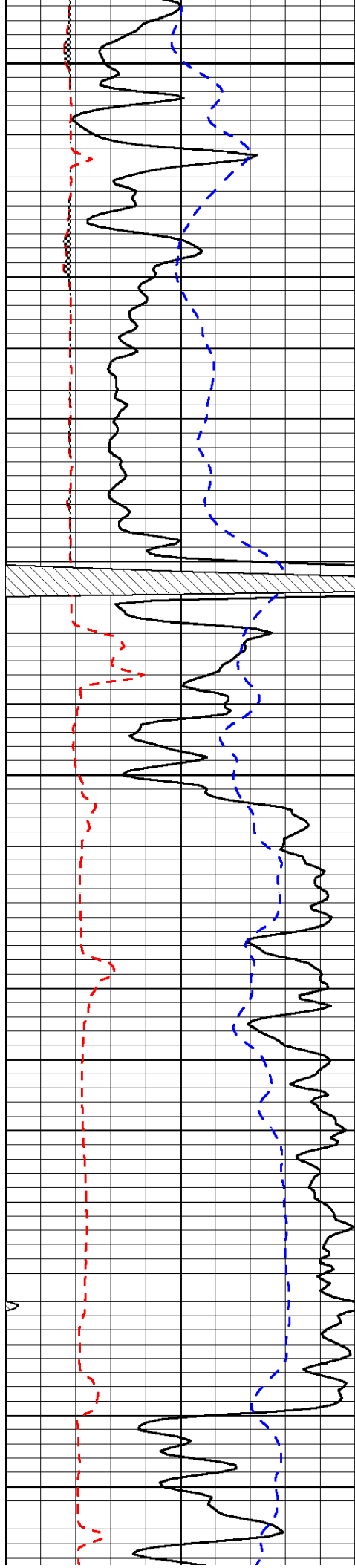
-31

-31

-31

-31

LSPD



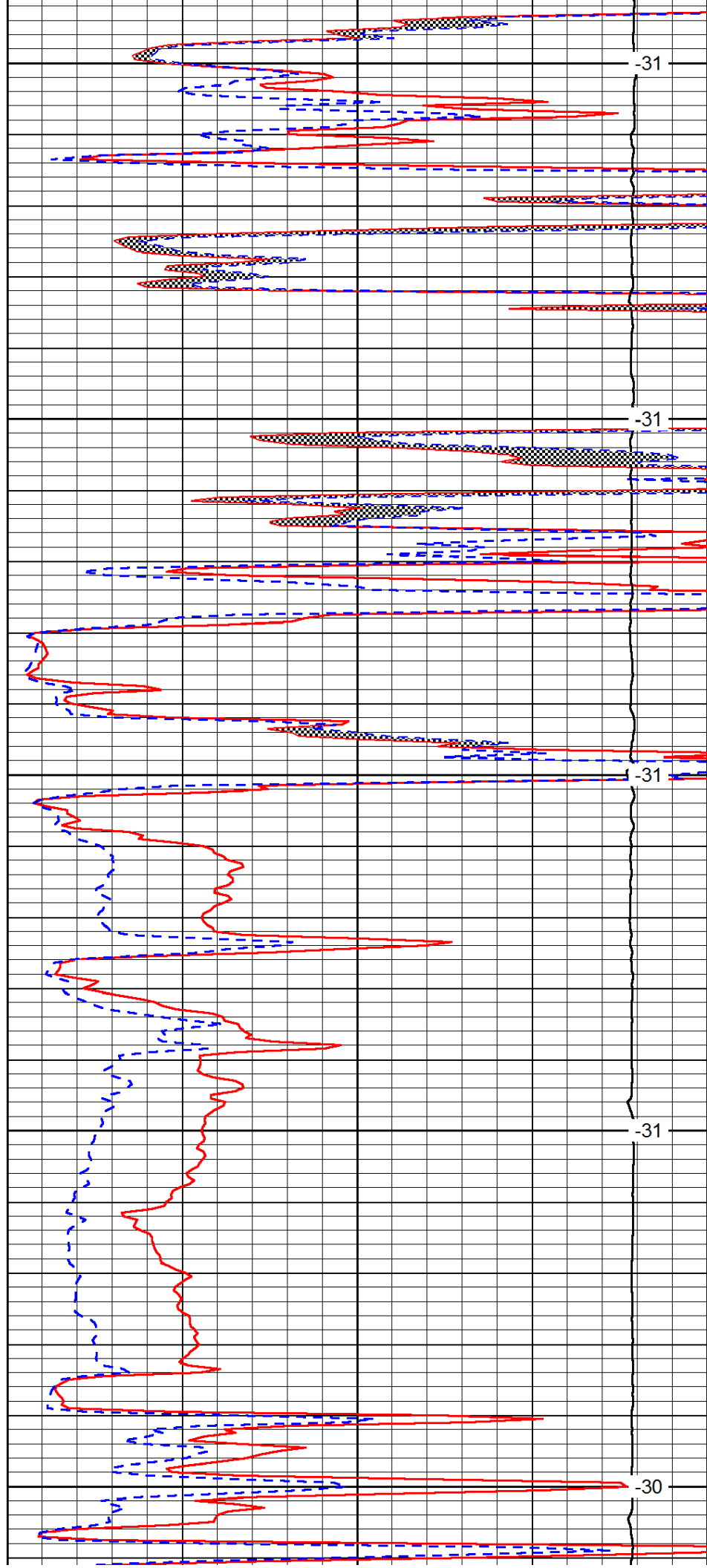
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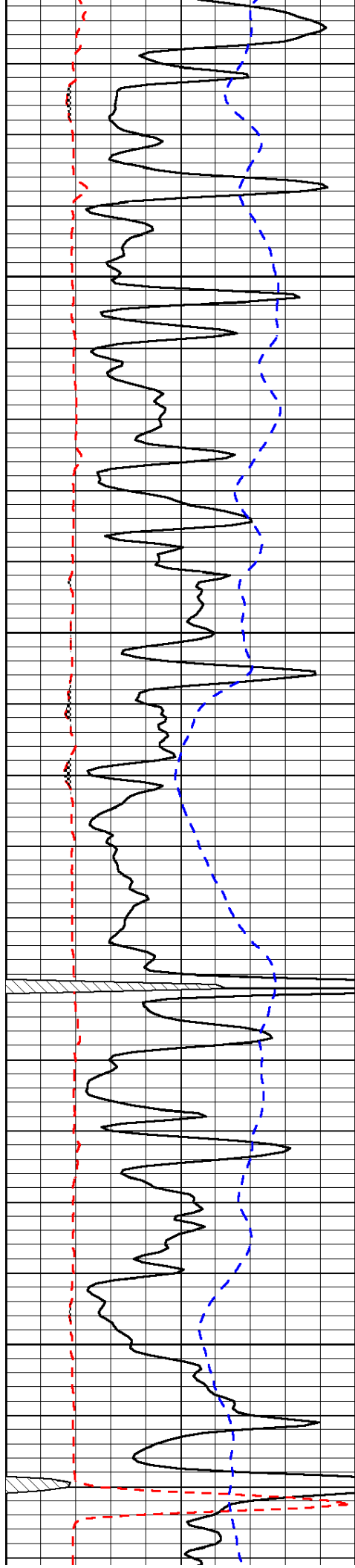
2850

2900

2950

3000



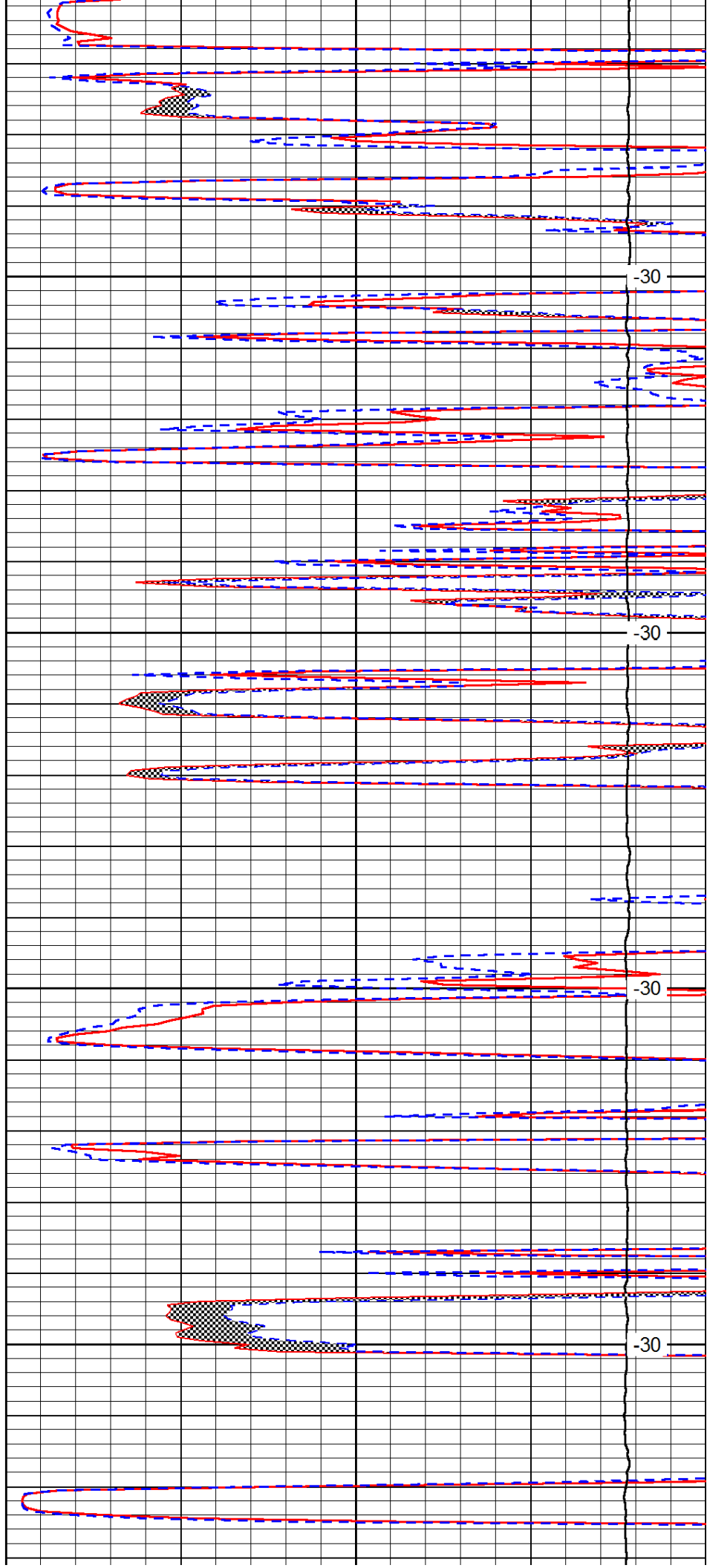


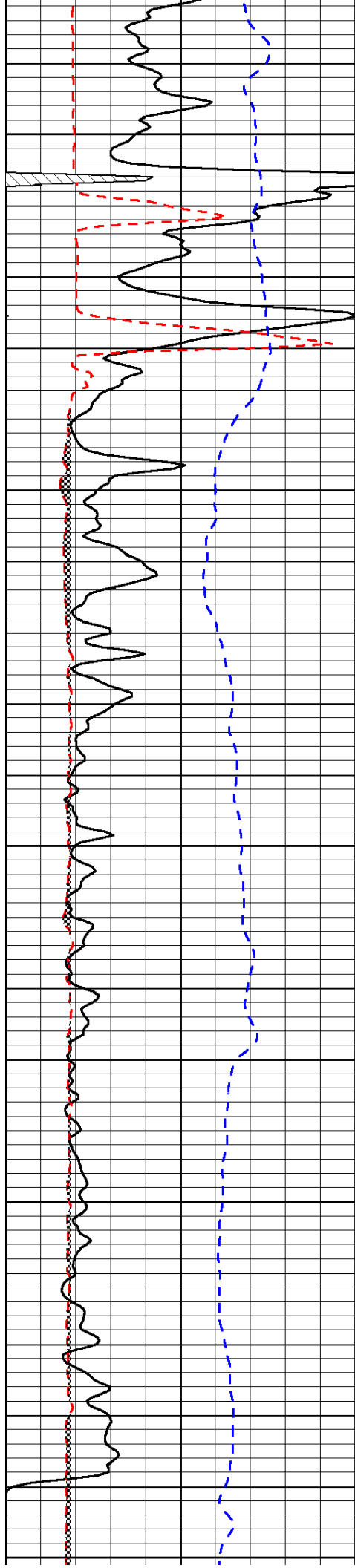
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3100

3150

3200





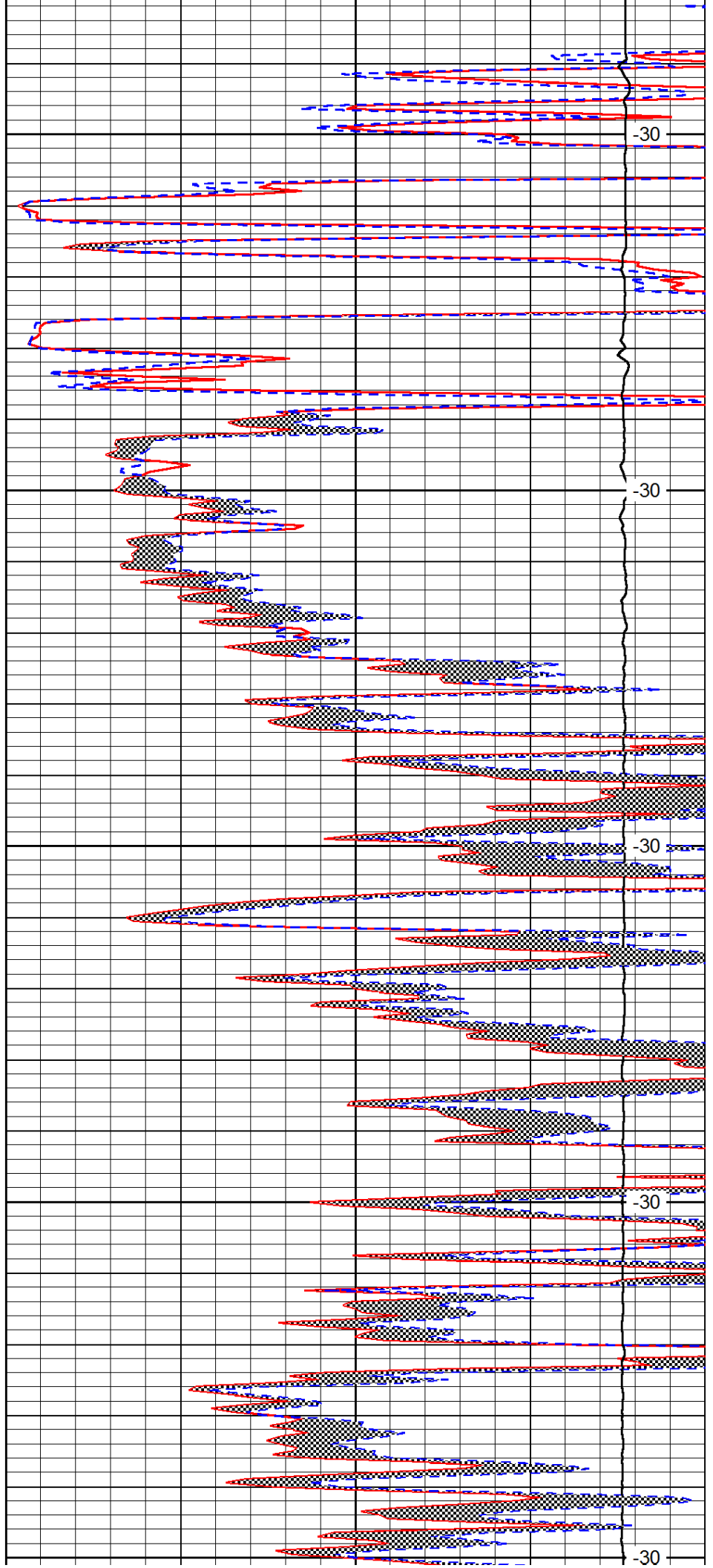
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3300

3350

3400

3450



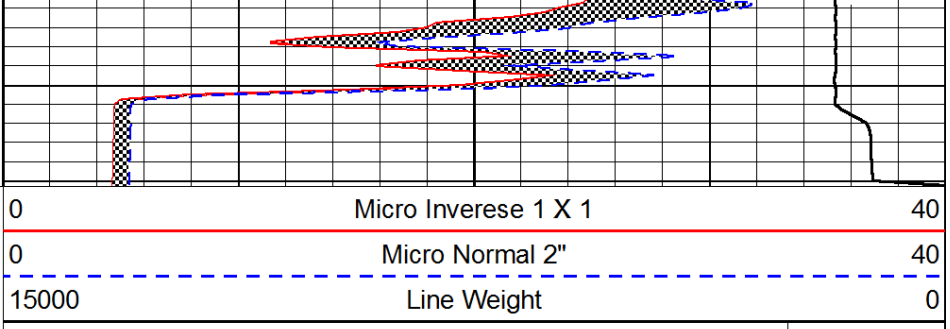
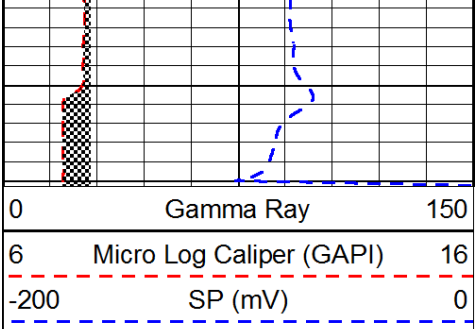
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LSPD