



Microresistivity Log

Pioneer Energy Services

API No.

15-009-25,774-00-00

Company **Carrie Exploration & Development**

Well **John Roth No. C3**

Field

County **Barton**

State

Kansas

Location

**S2 NW NW SW
2,230' FSL & 330' FWL**

Sec: **34**

Twp: **19S**

Rge: **11W**

Other Services
CNL/CDL
DIL

Permanent Datum **Ground Level**

Elevation 1774

Log Measured From **Kelly Bushing**

8 Ft. Above Perm. Datum

Elevation
**K.B. 1782
D.F. 1774
G.L. 1774**

Date

11/30/2012

Run Number

Two

Depth Driller

3430

Depth Logger

3430

Bottom Logged Interval

3429

Top Log Interval

2400

Casing Driller

8.625 @ 253

Casing Logger

252

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

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Density / Viscosity

9.0 49

pH / Fluid Loss

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Source of Sample

Flowline

Rm @ Meas. Temp

.45 @ 50

Rmf @ Meas. Temp

.34 @ 50

Rmc @ Meas. Temp

.61 @ 50

Source of Rmf / Rmc

Charts

Rm @ BHT

.20 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

108

Location

Hays

Recorded By

J. Long

Witnessed By

Herb Deines

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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.

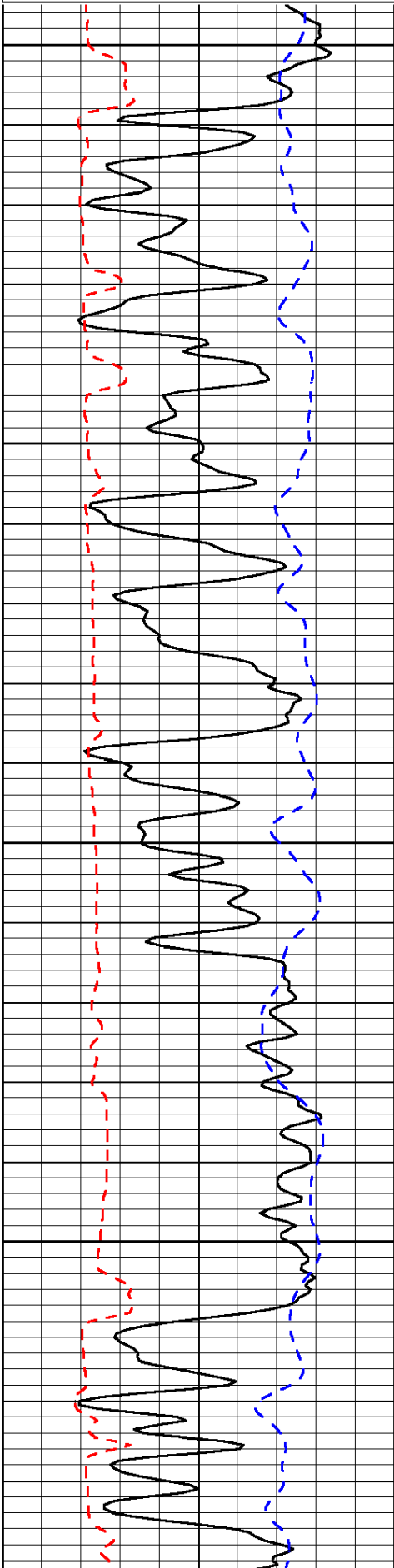
Comments

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

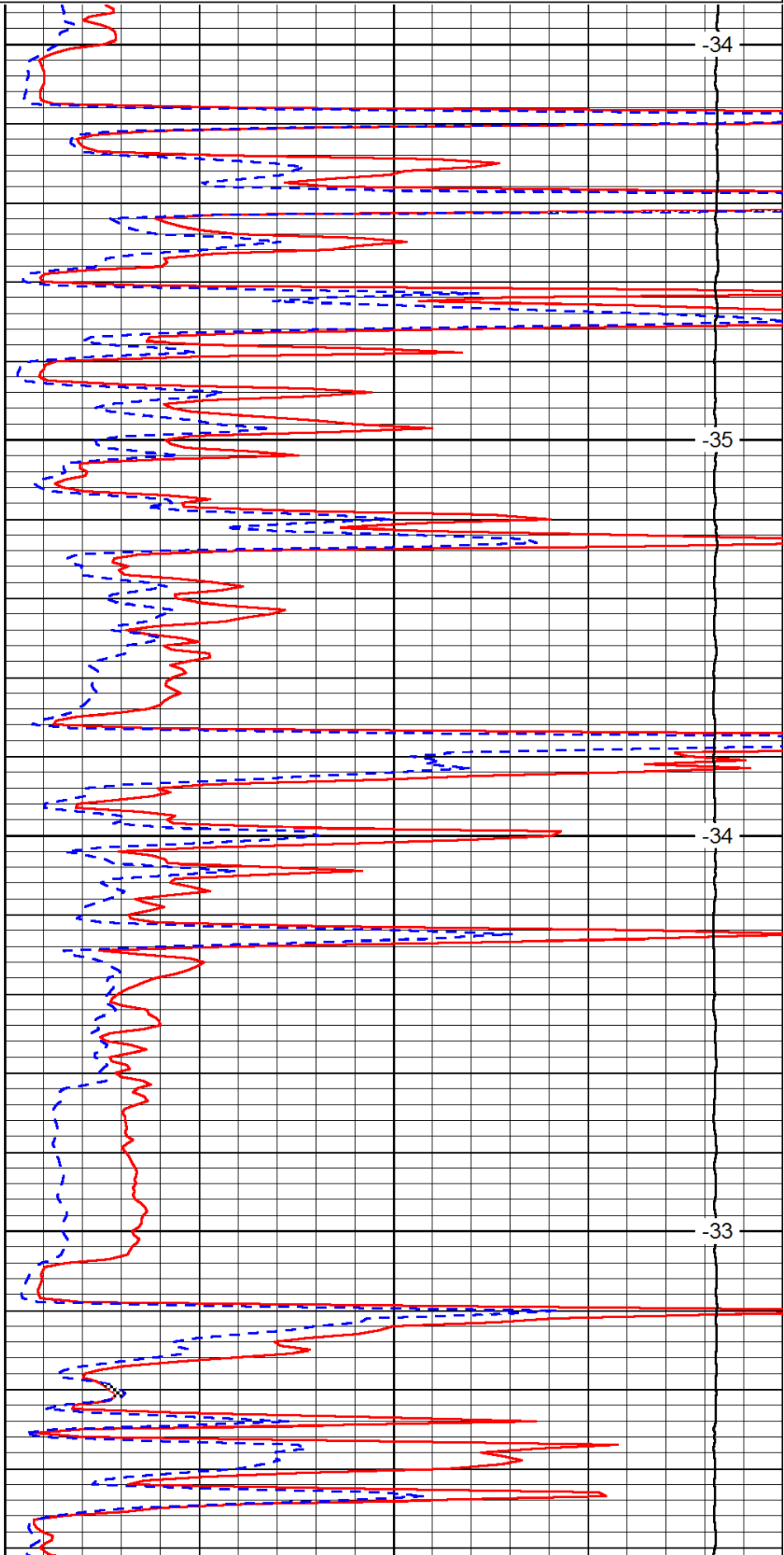
Ellinwood, East to SE 130th Avenue, North across tracks, East Into

Database File: c:\warrior\data\carrie_john roth #c3\carrie_johnroth_c3hd.db
Dataset Pathname: dil/carrstck
Presentation Format: micro
Dataset Creation: Fri Nov 30 09:41:38 2012
Charted by: Depth in Feet scaled 1:240

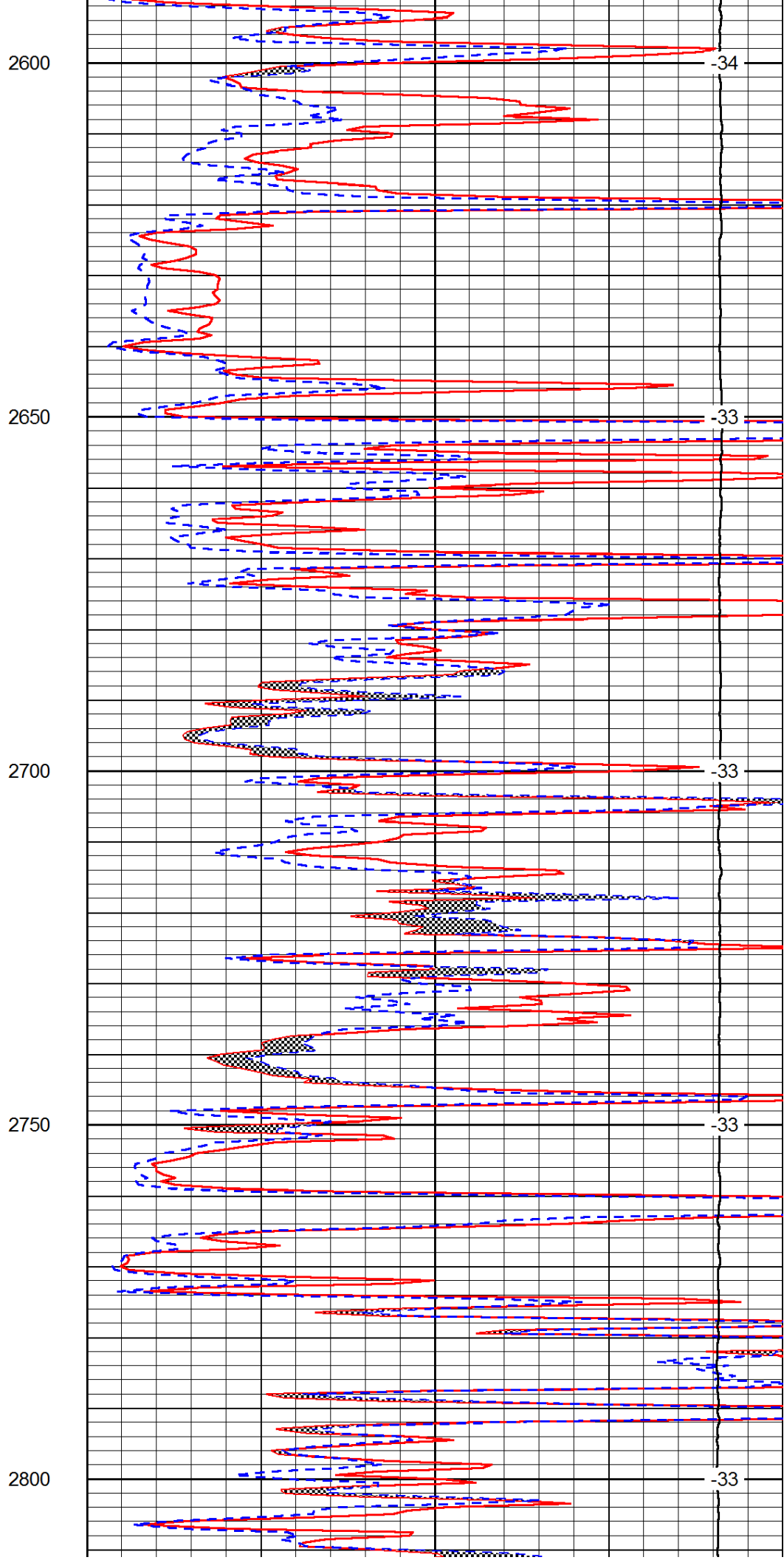
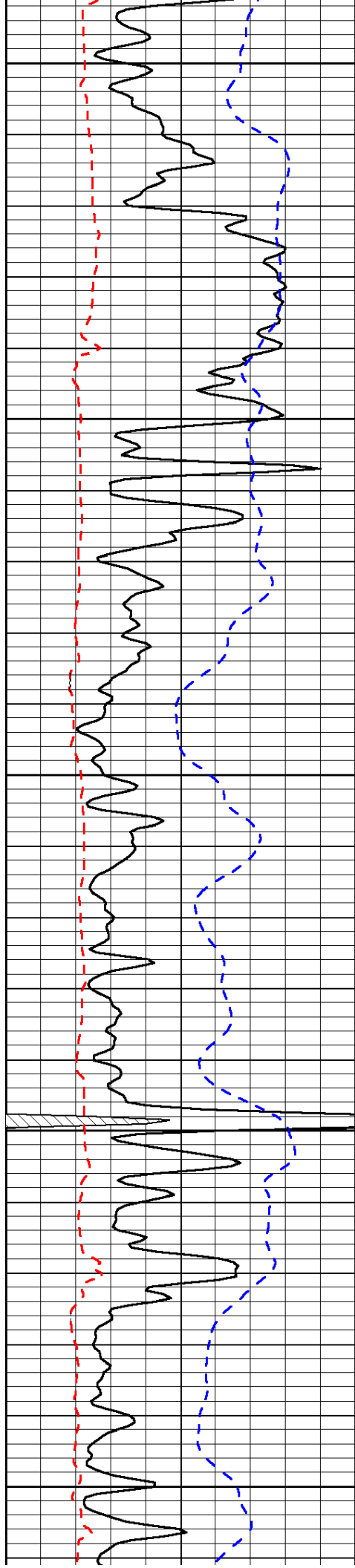
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

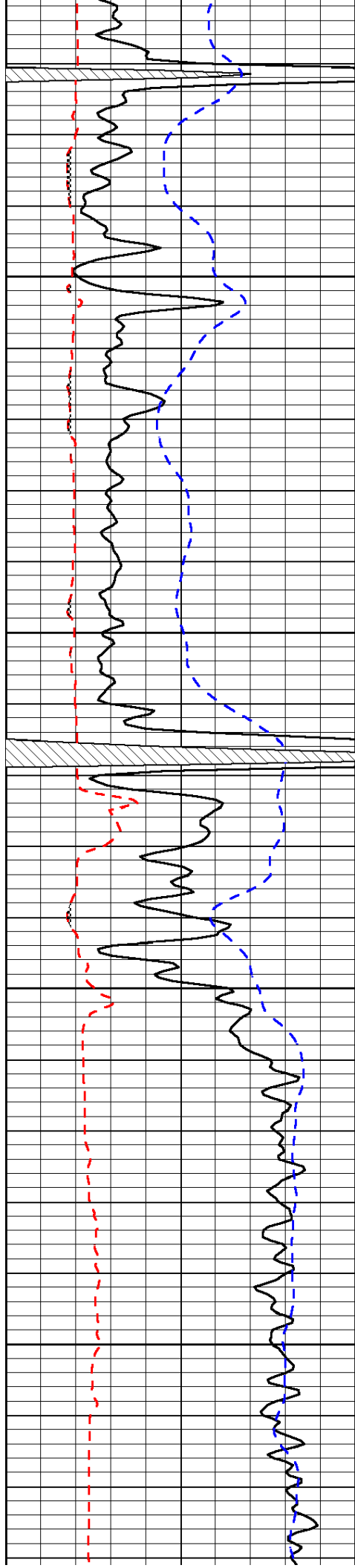


0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0



LSPD



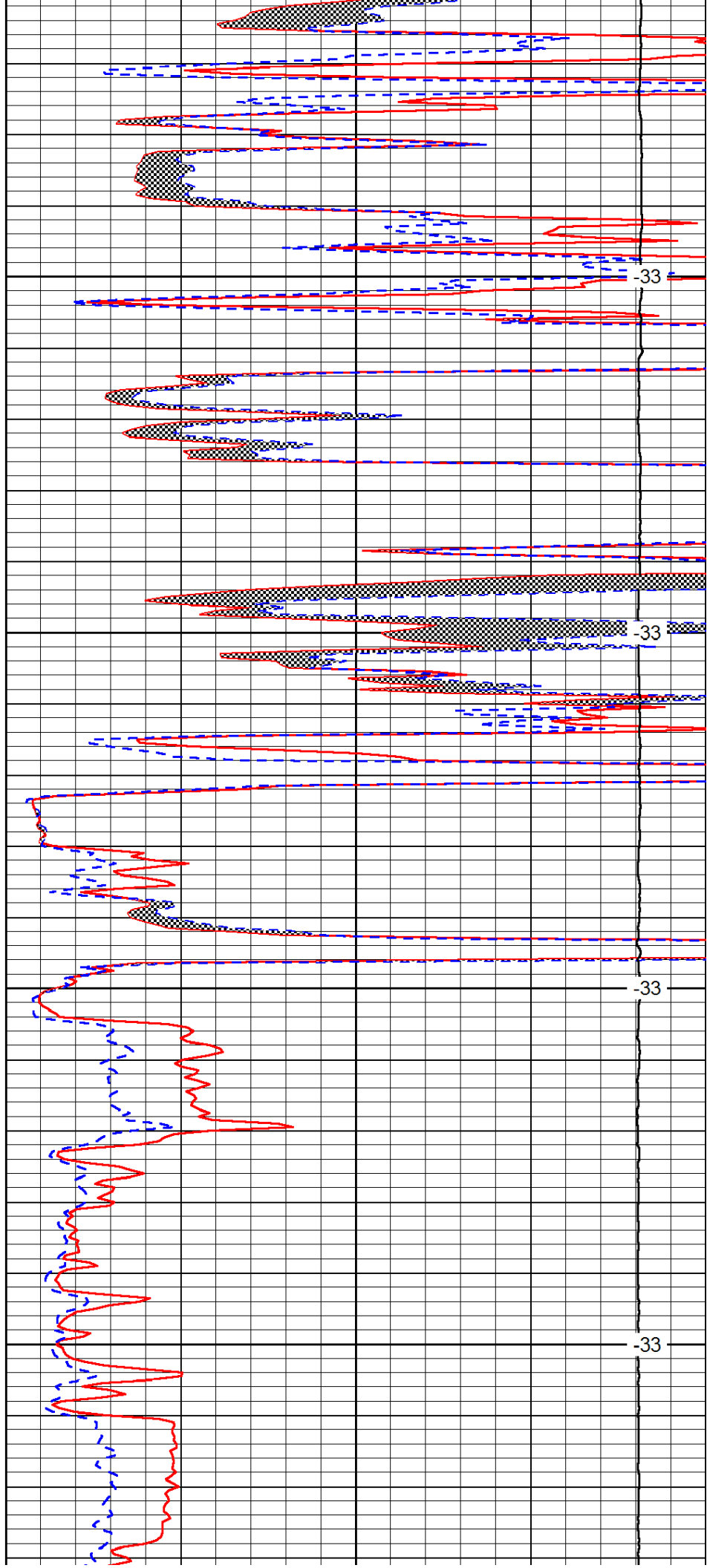


2850

2900

2950

3000

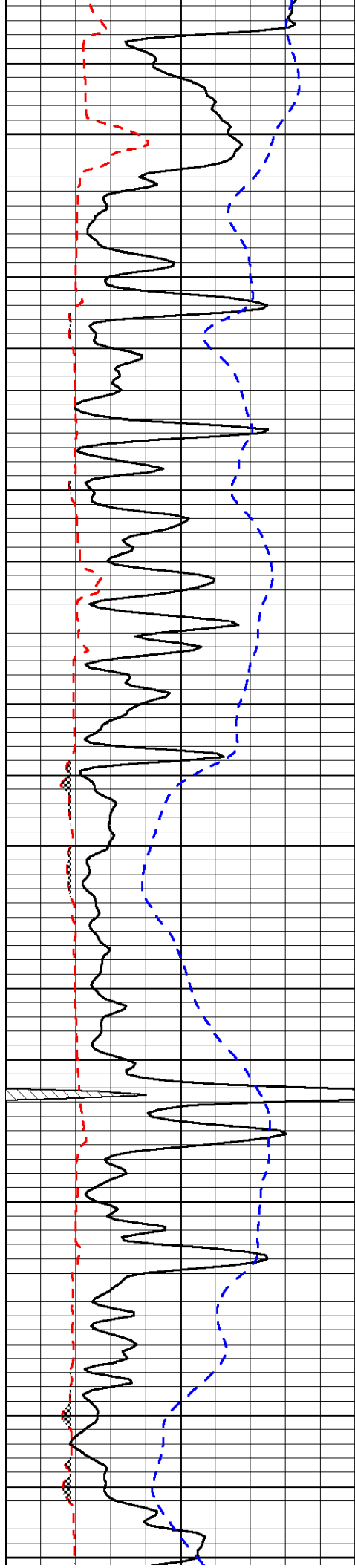


-33

-33

-33

-33



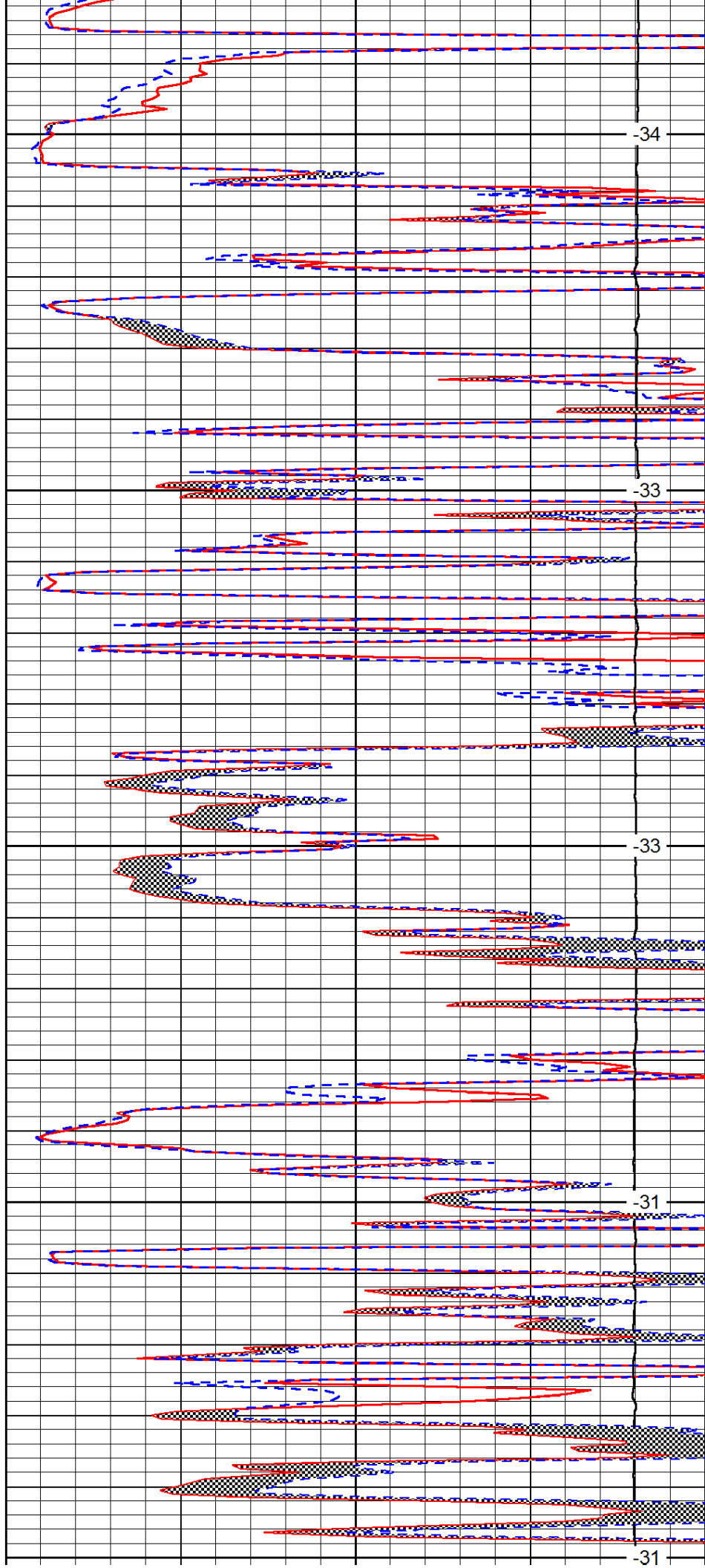
3050

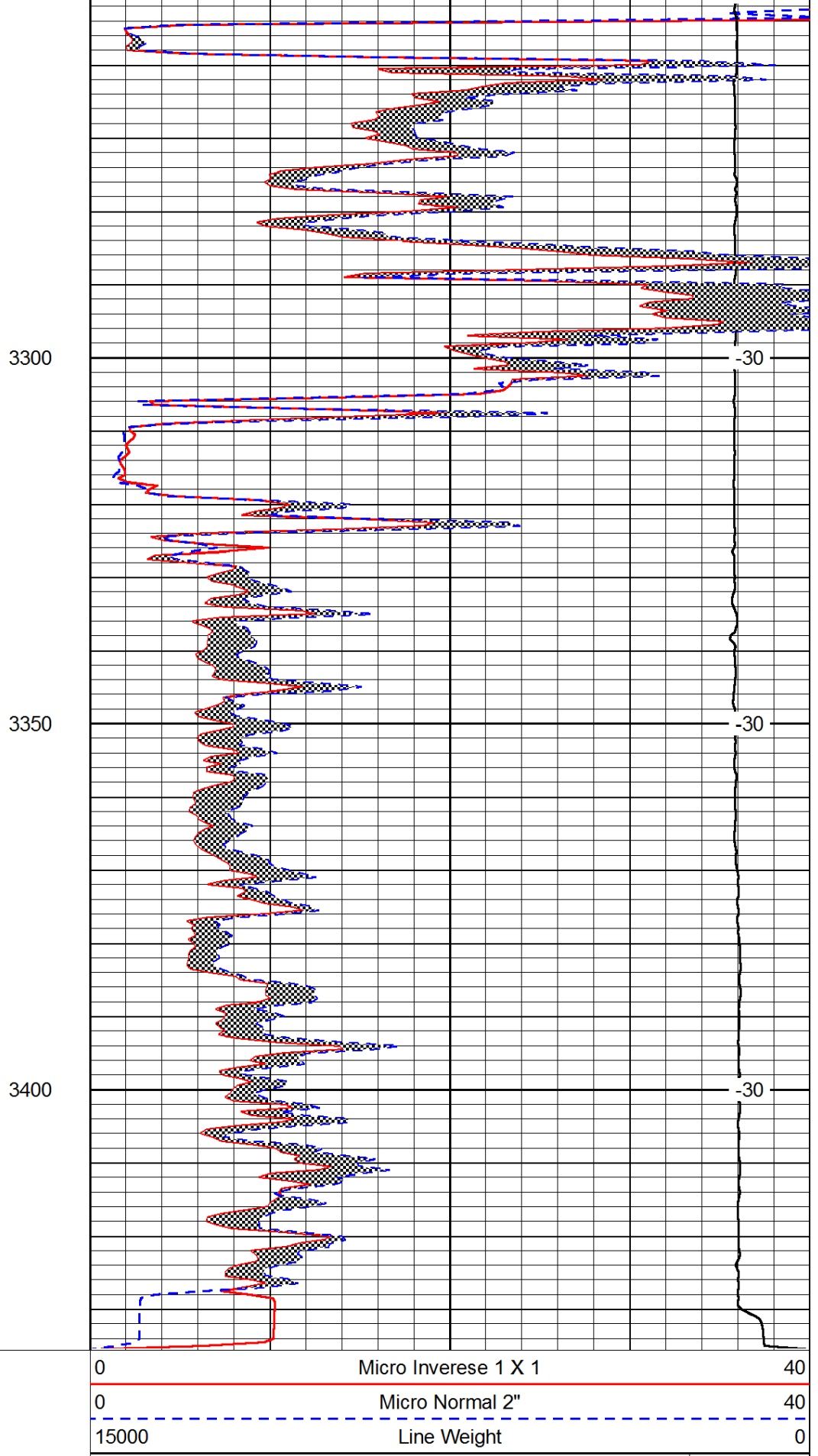
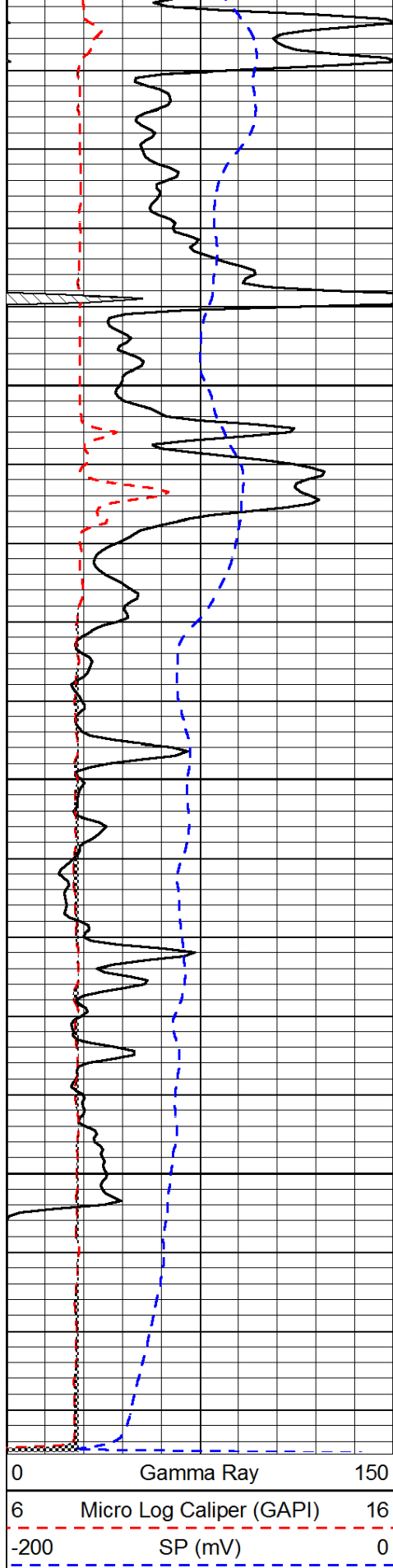
3100

3150

3200

3250





LSPD