



Microresistivity Log

Pioneer Energy Services

API No.

15-195-22,842-00-00

Company Central Operating, Inc.

Well Sylvia No. 1

Field Revilo

County Trego State

Kansas

Location

NW NE SE NE
1530' FNL & 610' FEL

Sec: 7 Twp: 15 S Rge: 25 W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2340
11 Ft. Above Perm. Datum

Other Services
CNL/CDL
DIL/BHCS

Elevation
K.B. 2351
D.F. 2340
G.L. 2340

Date

12/31/2012

Run Number

Two

Depth Driller

4380

Depth Logger

4385

Bottom Logged Interval

4384

Top Log Interval

3500

Casing Driller

8.625 @ 223

Casing Logger

223

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1800

Density / Viscosity

8.7 50

pH / Fluid Loss

11.0 6.4

Source of Sample

Flowline

Rm @ Meas. Temp

.80 @ 46

Rmf @ Meas. Temp

.60 @ 46

Rmc @ Meas. Temp

1.08 @ 46

Source of Rmf / Rmc

Charts

Rm @ BHT

.31 @ 120

Operating Rig Time

6 Hours

Max Rec. Temp. F

120

Equipment Number

17

Location

Hays

Recorded By

D. Martin

Witnessed By

Sean Deenihan

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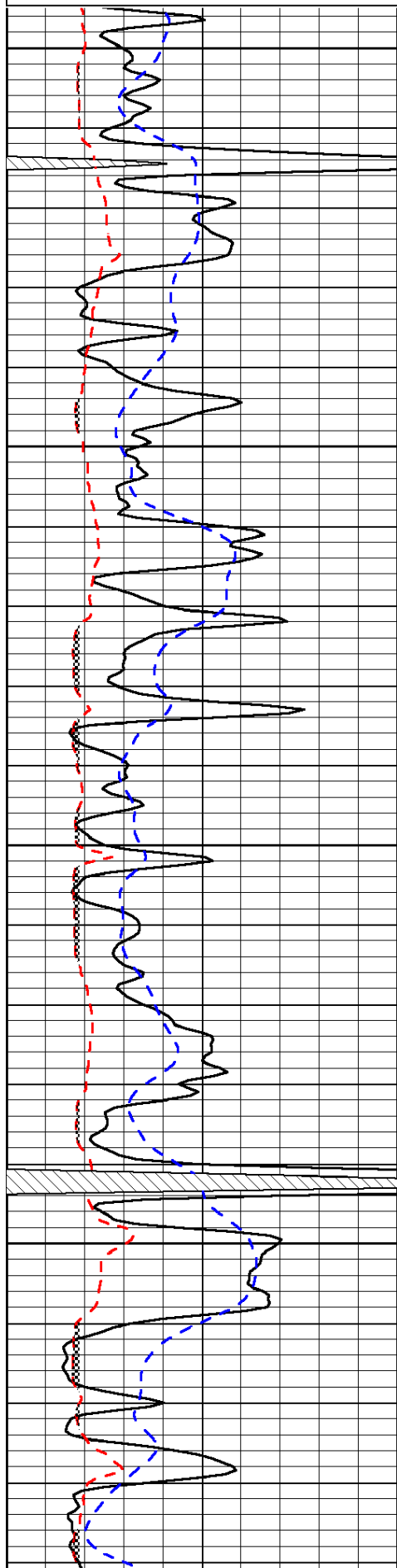
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
Utica, KS
1 E to E Rd., 9 N to Z Rd.,
1 E, S Into(West Entrance)

Database File: c:\warrior\data\central op_sylvia #1\cenhd.db
Dataset Pathname: DIL/censtk
Presentation Format: micro
Dataset Creation: Mon Dec 31 08:38:51 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

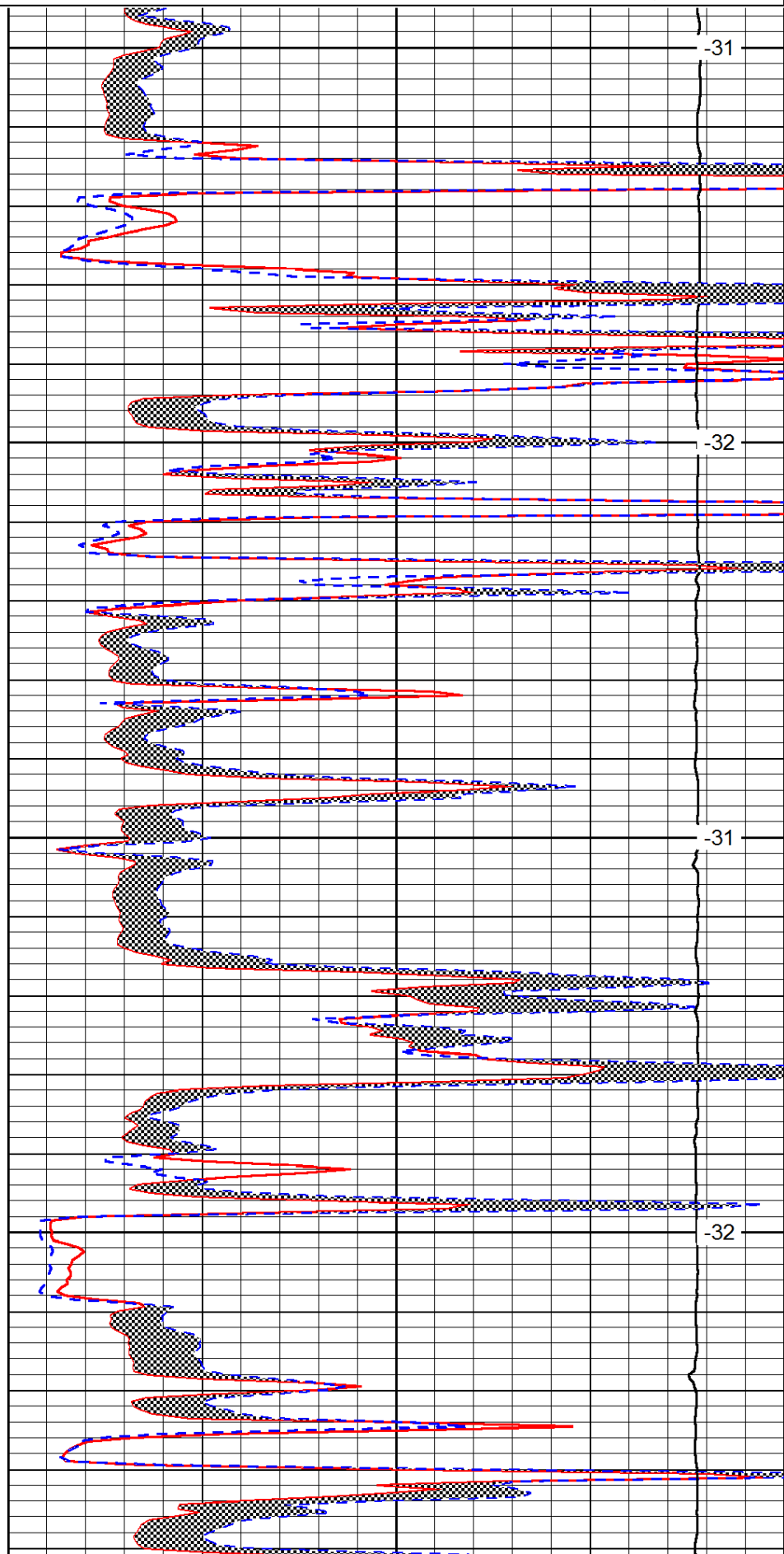


3500

3550

3600

3650



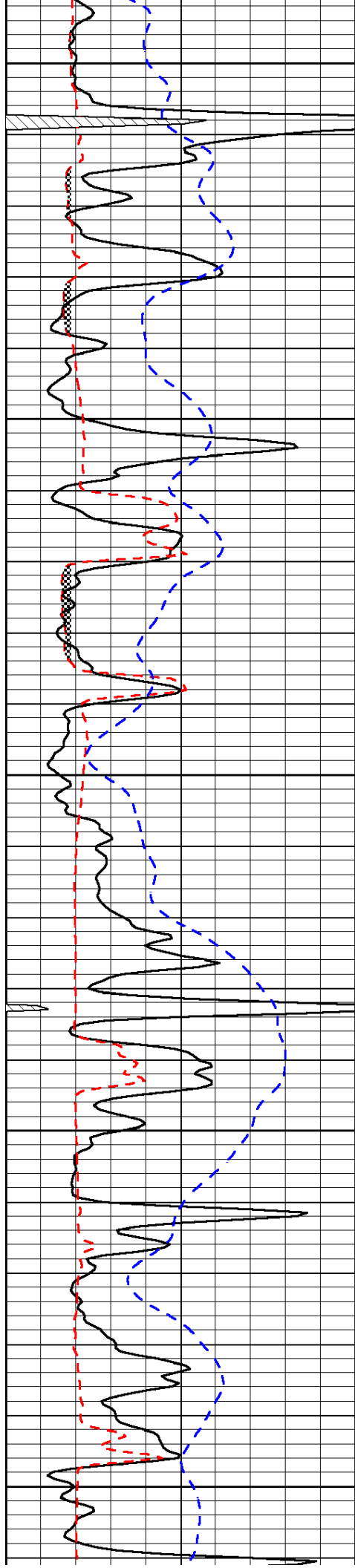
LSPD

-31

-32

-31

-32



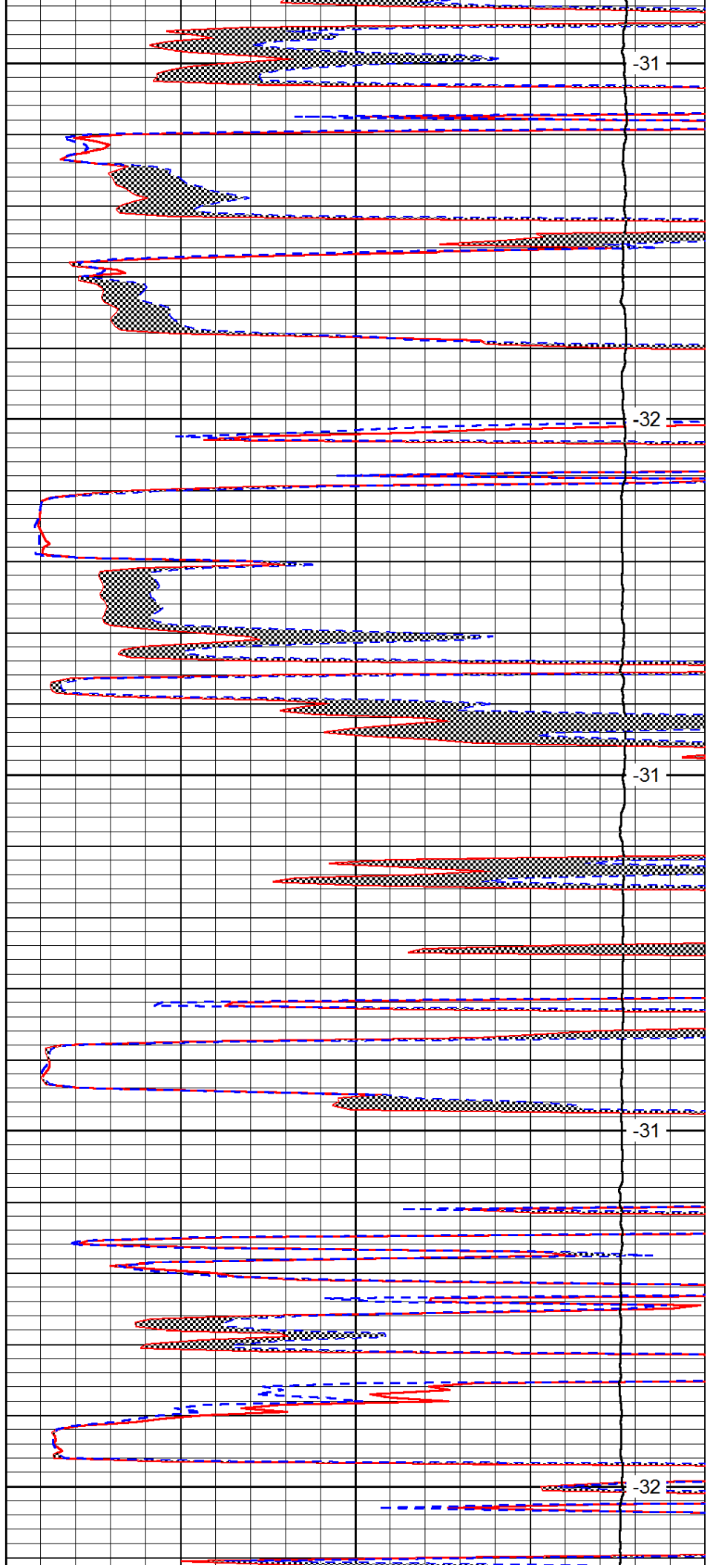
3700

3750

3800

3850

3900



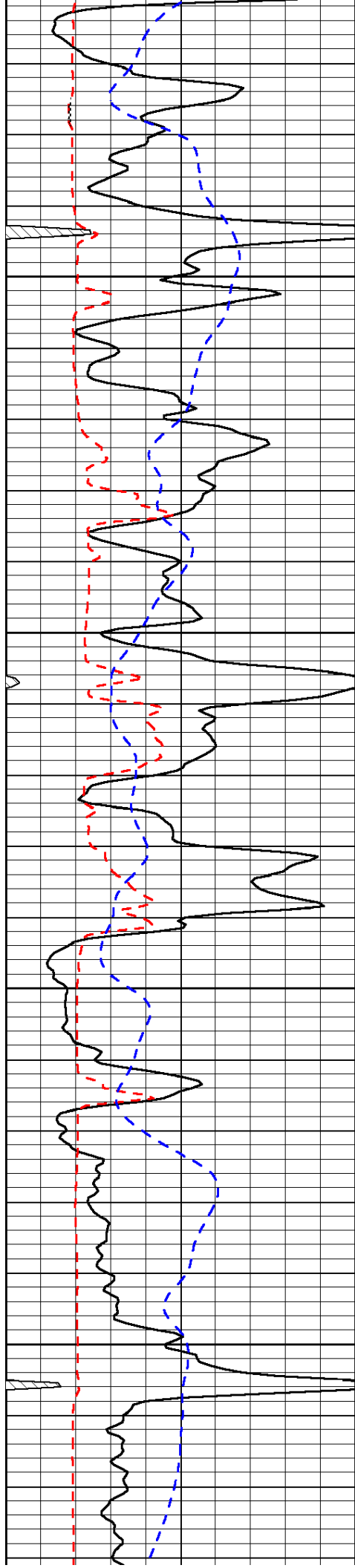
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-32

-31

-31

-32

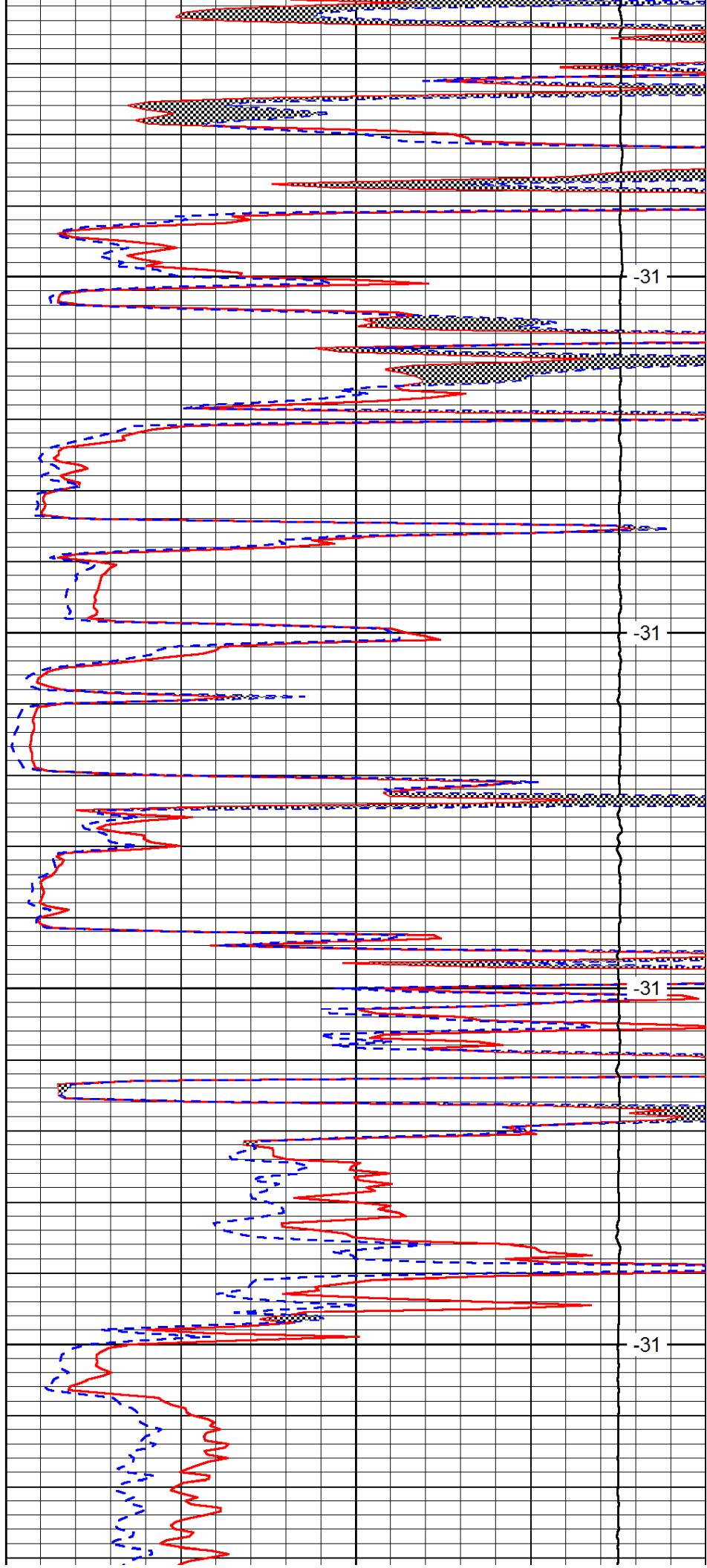


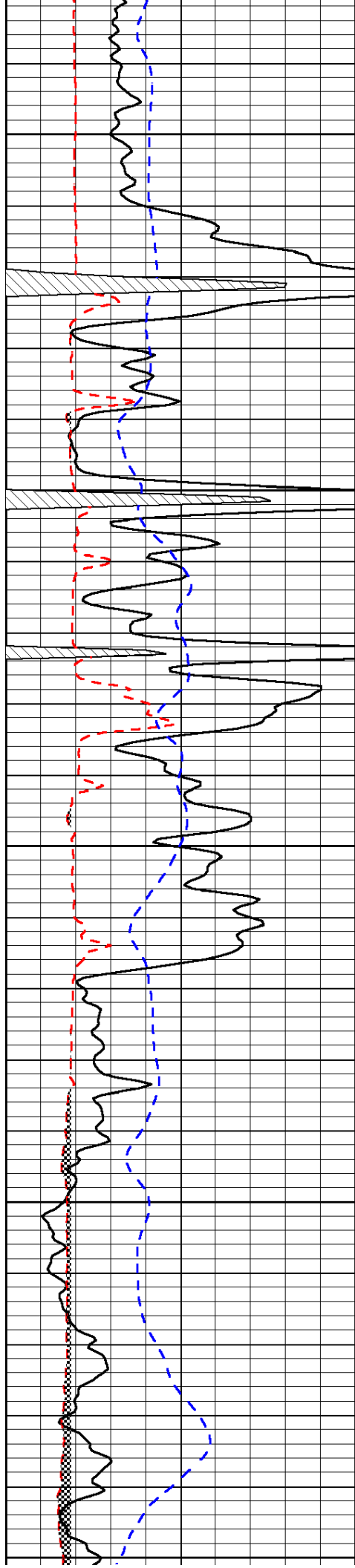
3950

4000

4050

4100





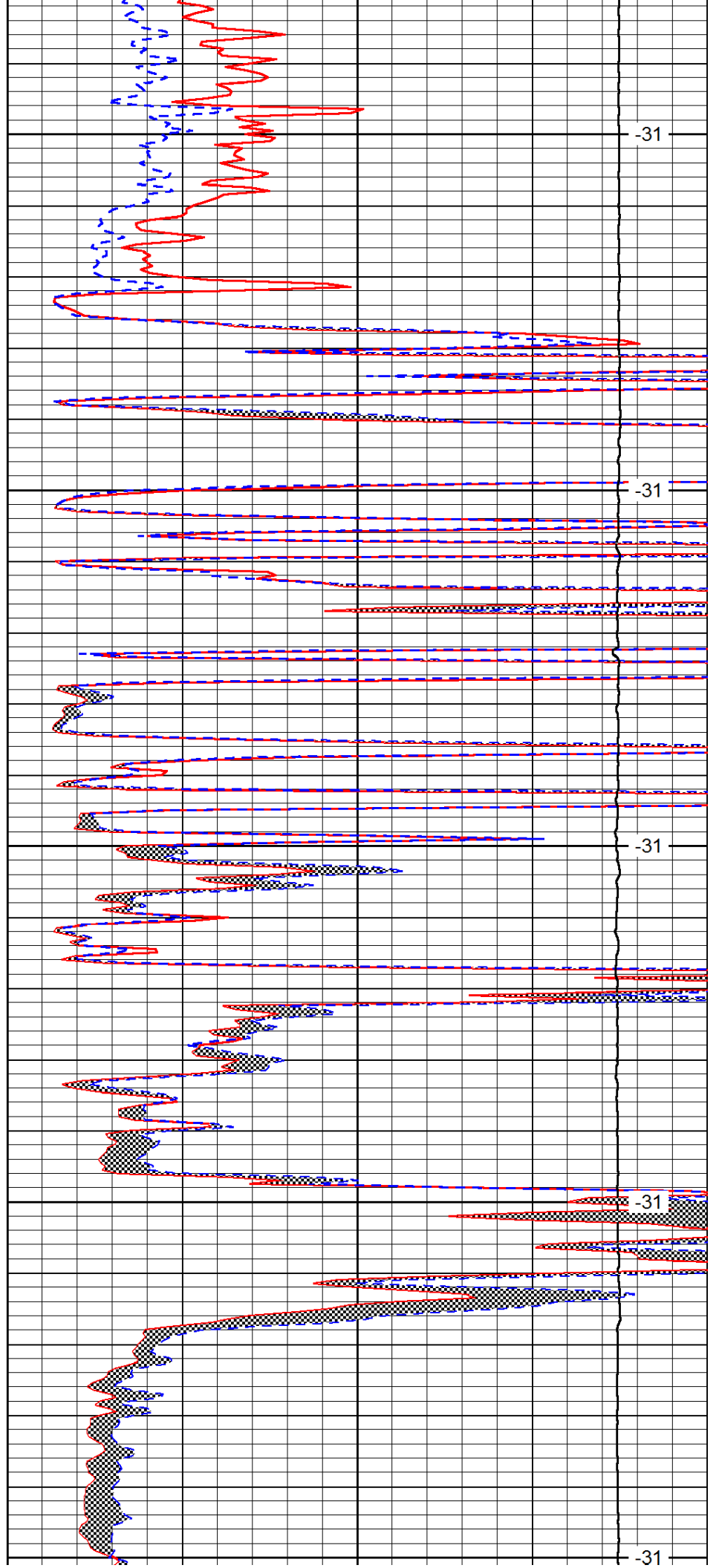
4150

4200

4250

4300

4350



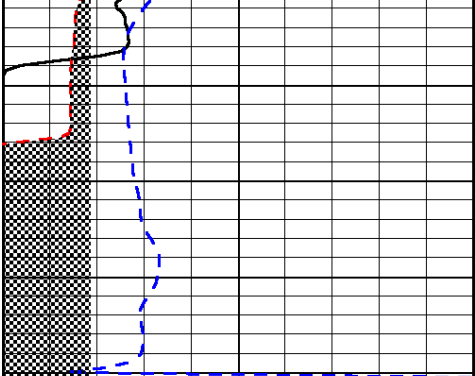
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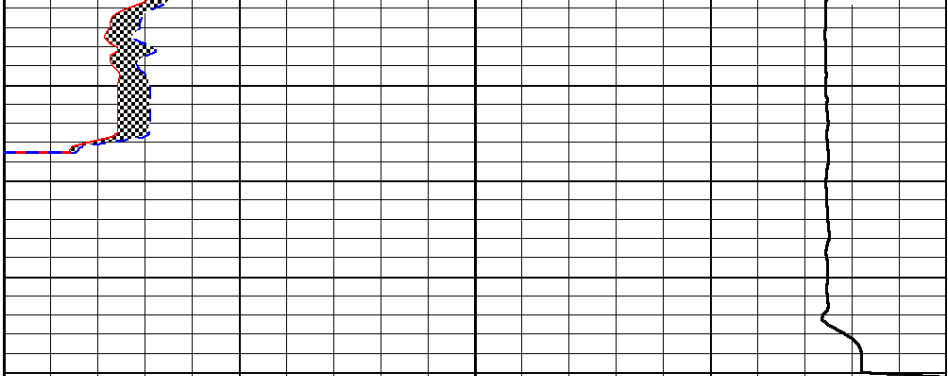
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-31

-31



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