



Microresistivity Log

Pioneer Energy Services

API No.

15-179-21,360-00-00

Company Culbreath Oil & Gas Company, Inc.

Well Coburn #6-8

Field

County Sheridan State

Kansas

Location

330' FNL & 1,650' FWL

Sec: 8

Twp: 10S

Rge: 26W

Elevation

Permanent Datum Ground Level

Log Measured From Kelly Bushing

Drilling Measured From Kelly Bushing

Elevation 2597

Log Measured From Kelly Bushing

7 Ft. Above Perm. Datum

K.B. 2604
D.F. 2597
G.L. 2597

Date

6/13/2014

Run Number

Two

Depth Driller

4270

Depth Logger

4274

Bottom Logged Interval

4273

Top Log Interval

3550

Casing Driller

8.625 @ 265

Casing Logger

260

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

3000

Density / Viscosity

9.4 50

pH / Fluid Loss

9.0 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

..70 @ 74

Rmf @ Meas. Temp

.53 @ 74

Rmc @ Meas. Temp

.95 @ 74

Source of Rmf / Rmc

Charts

Rm @ BHT

.44 @ 119

Operating Rig Time

5 Hours

Max Rec. Temp. F

119

Equipment Number

108

Location

Hays

Recorded By

J. Henrickson

Witnessed By

Kevin Howard

Anthony Luna

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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.

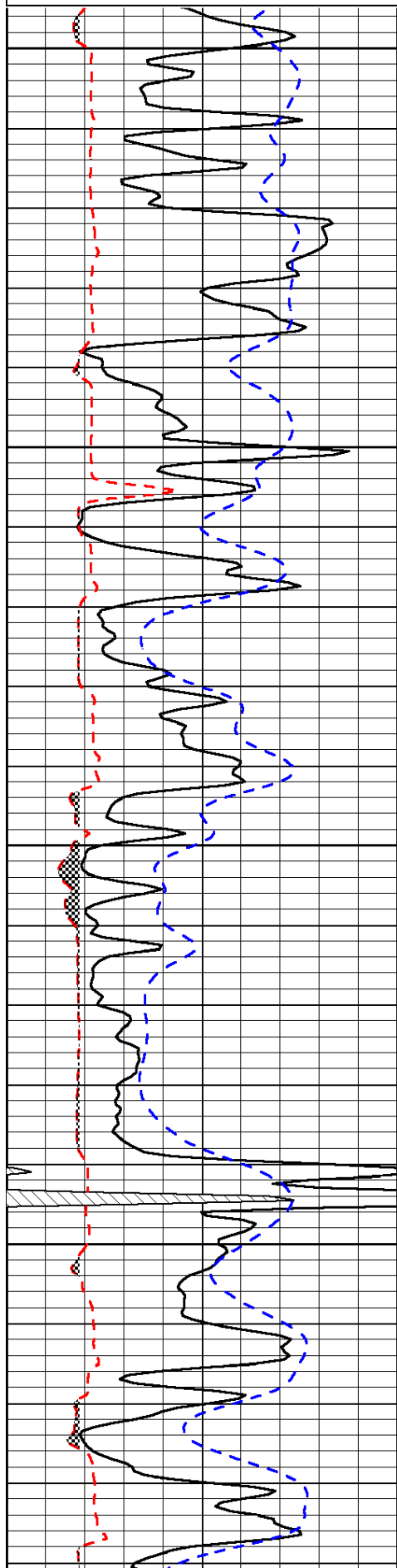
Comments

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

Quinter Ks.,
7 North to 130 Road, 1 West, 2 North, East Into.

Database File: c:\warrior\data\culbreath_coburn #6-8\culbreath_coburn_6-8hd.db
Dataset Pathname: DIL\culstk
Presentation Format: micro
Dataset Creation: Fri Jun 13 06:33:00 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



3550

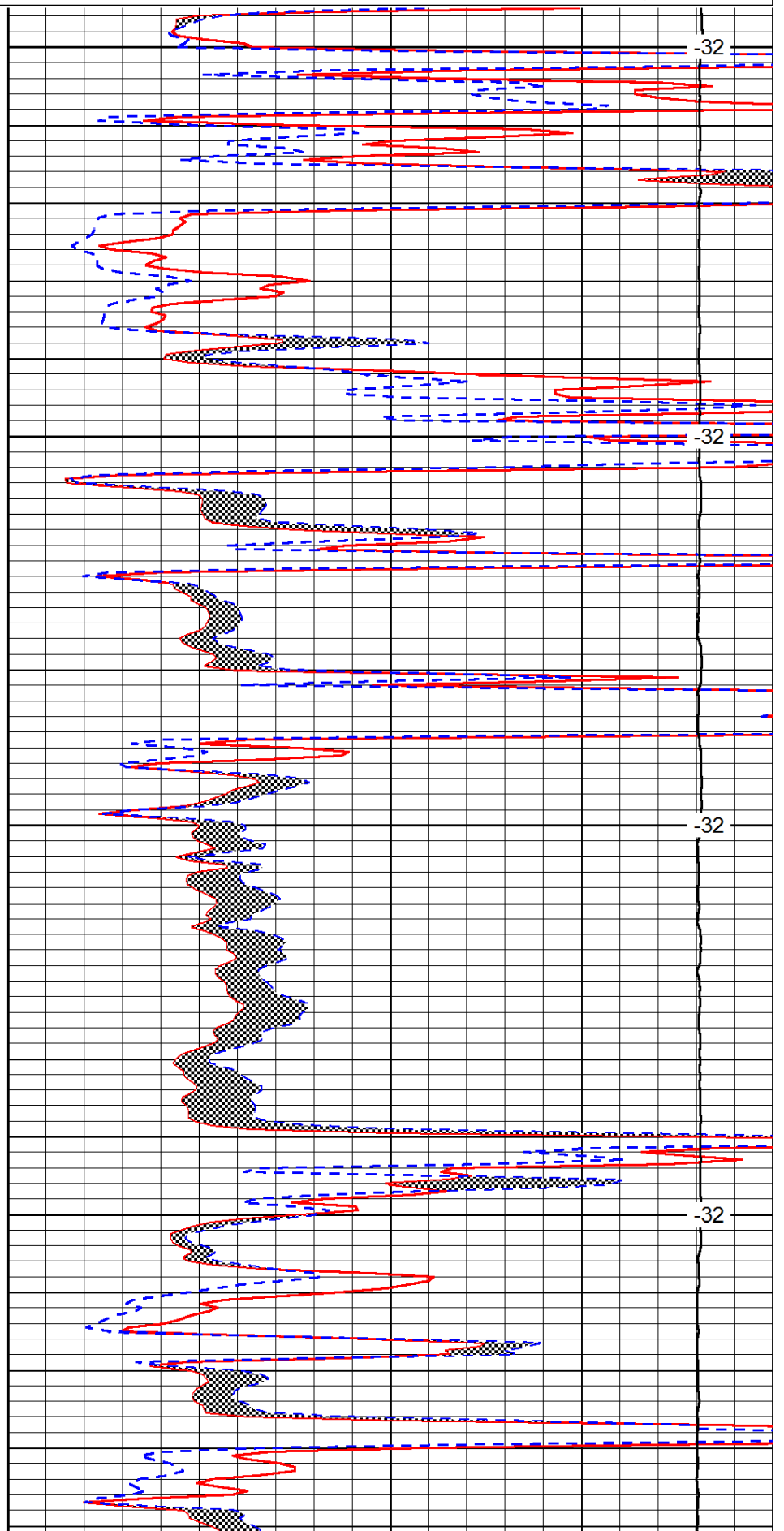
3600

3650

3700

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

LSPD

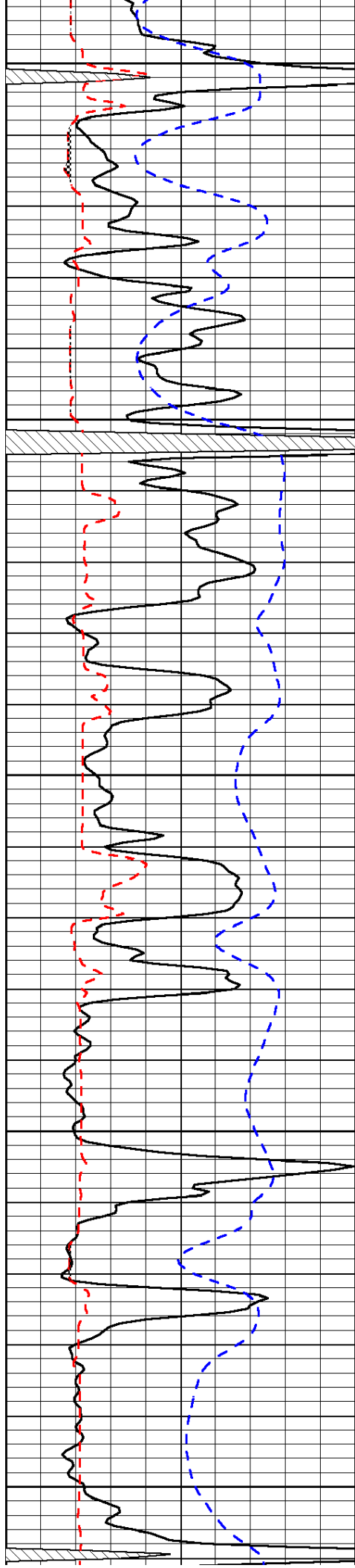


-32

-32

-32

-32



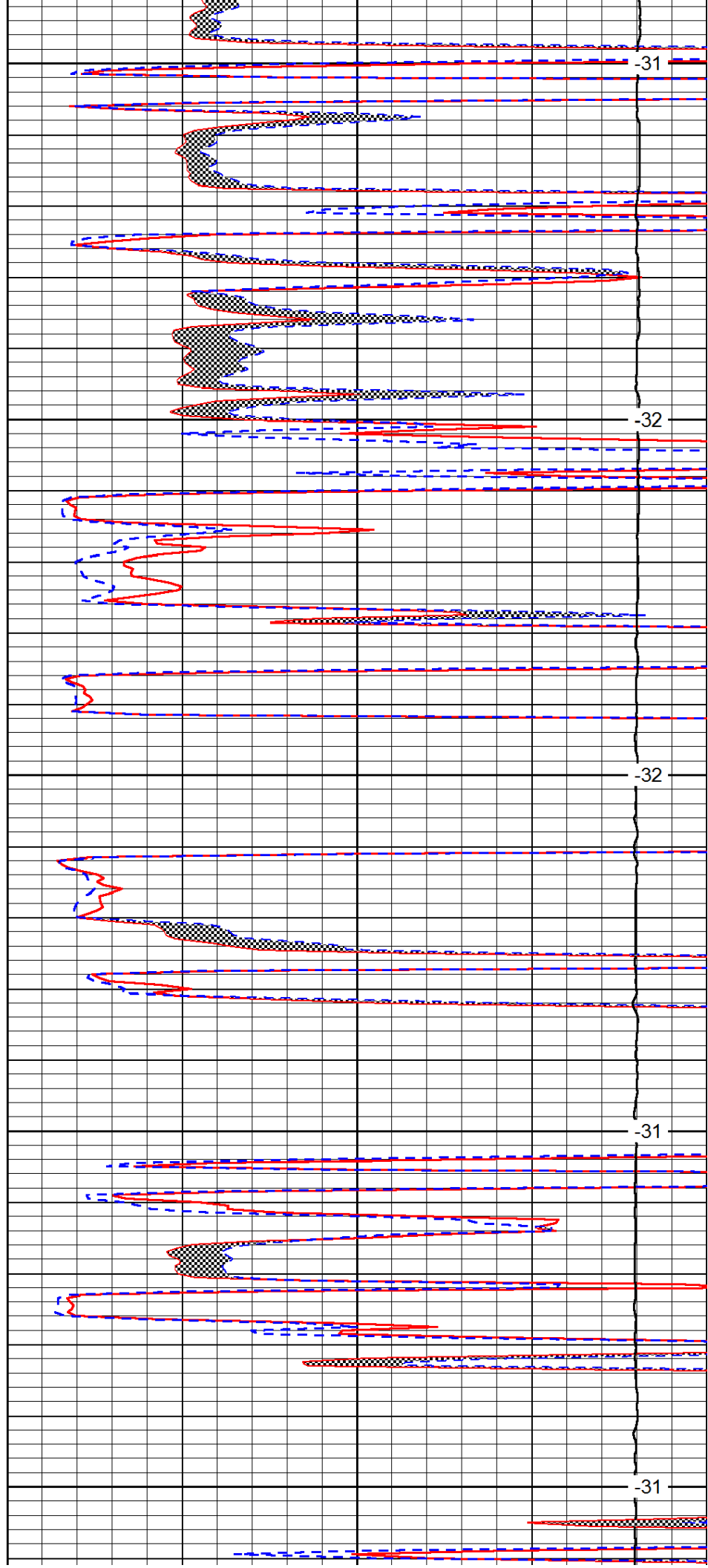
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3800

3850

3900

3950



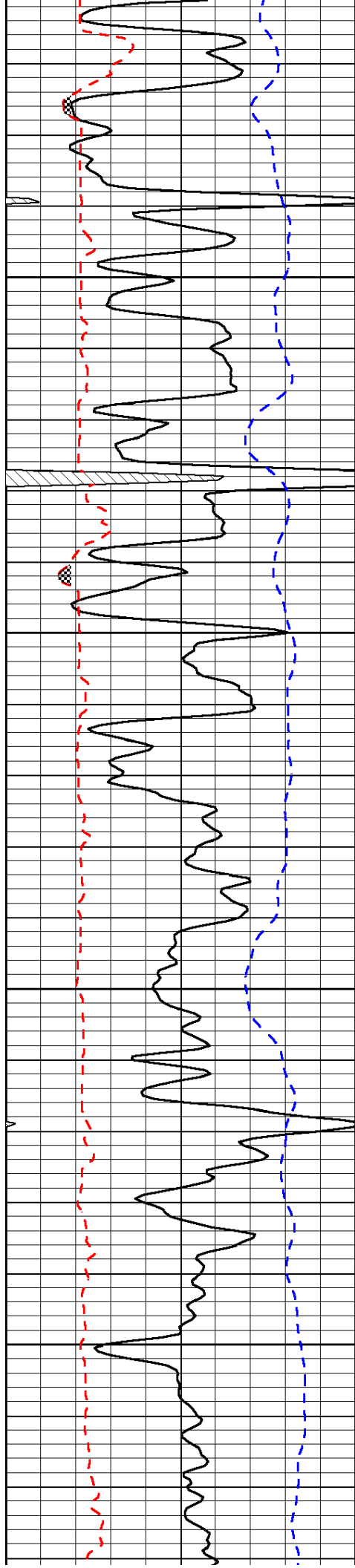
-31

-32

-32

-31

-31

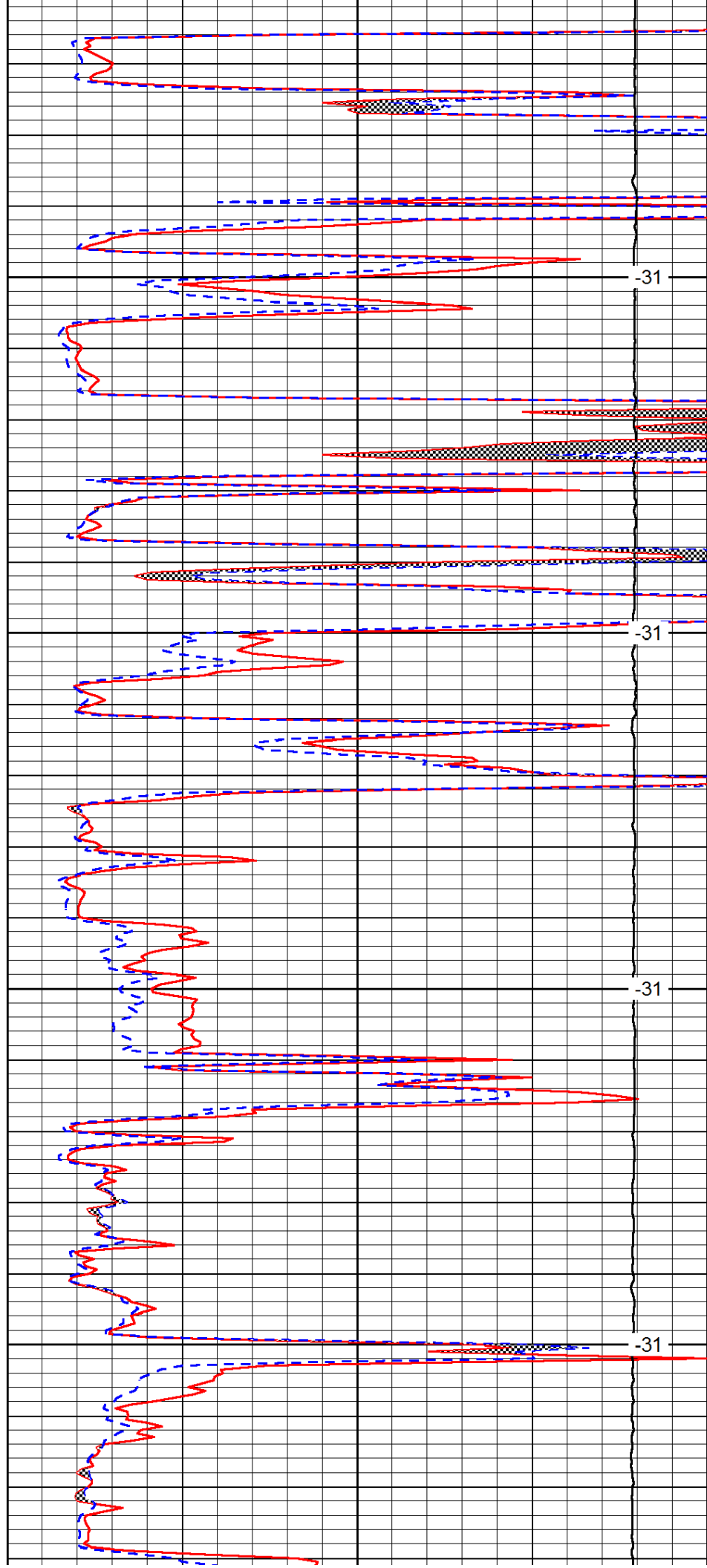


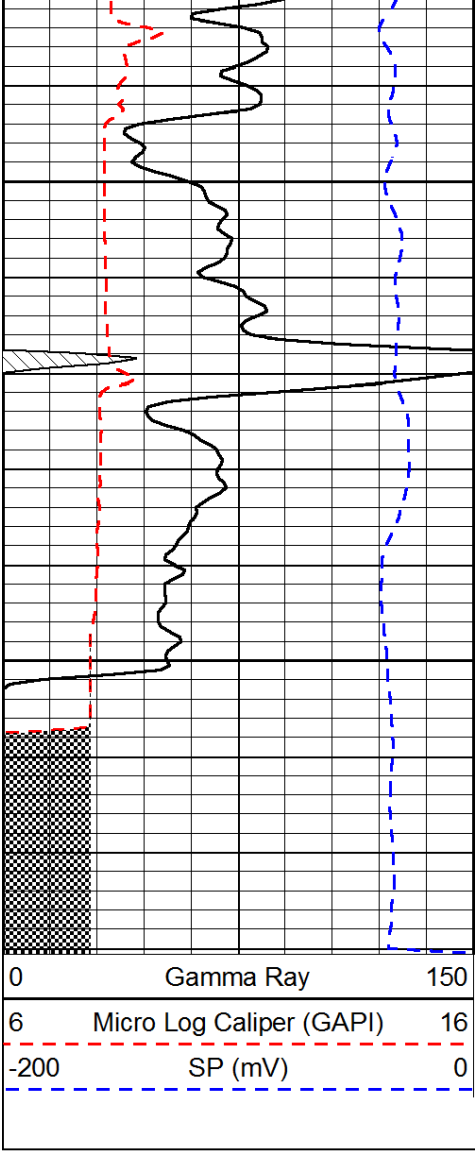
4000

4050

4100

4150





4200

4250

