



Microresistivity Log

Pioneer Energy Services

API No.

15-083-21,876-00-00

Company American Warrior, Inc.

Well Chipman No. 1-16

Field Unknown

County Hodgeman State

Kansas

Location

335' FSL & 2286' FWL

Sec: 16

Twp: 22 S

Rge: 21 W

Elevation

Permanent Datum Ground Level Kelly Bushing 11 Ft. Above Perm. Datum

Log Measured From Kelly Bushing

Other Services
CDL/CNL
DIL
K.B. 2171
D.F.
G.L. 2160

Date

1/28/2013

Run Number

Two

Depth Driller

4460

Depth Logger

4461

Bottom Logged Interval

4460

Top Log Interval

3700

Casing Driller

8.625 @ 1101

Casing Logger

1098

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

9300

Density / Viscosity

9.3 70

pH / Fluid Loss

10.0 12.8

Source of Sample

Flowline

Rm @ Meas. Temp

.50 @ 55

Rmf @ Meas. Temp

.38 @ 55

Rmc @ Meas. Temp

.68 @ 55

Source of Rmf / Rmc

Charts

Rm @ BHT

.23 @ 121

Operating Rig Time

4 1/2 Hours

Max Rec. Temp. F

121

Equipment Number

15

Location

Hays

Recorded By

D. Martin

Witnessed By

Kevin Timson

<<< Fold Here >>>

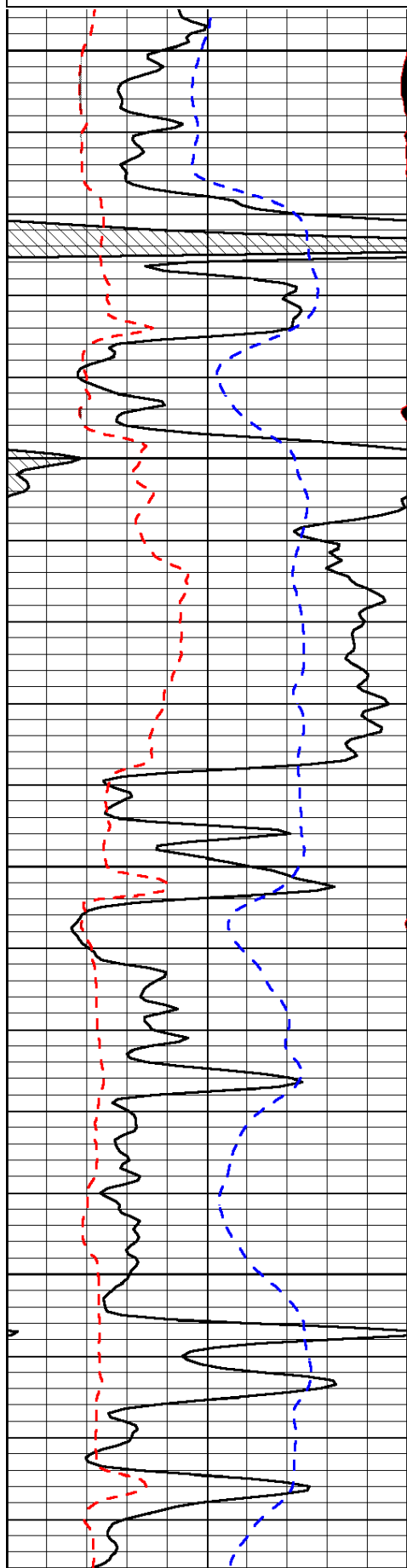
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Log-Tech, Inc.
(785) 625-3858

Burdett, KS
6 W to 233 Rd., 2 S to P Rd.,
3/4 W, N Into

Charted by: Depth in Feet scaled 1:210		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



3700

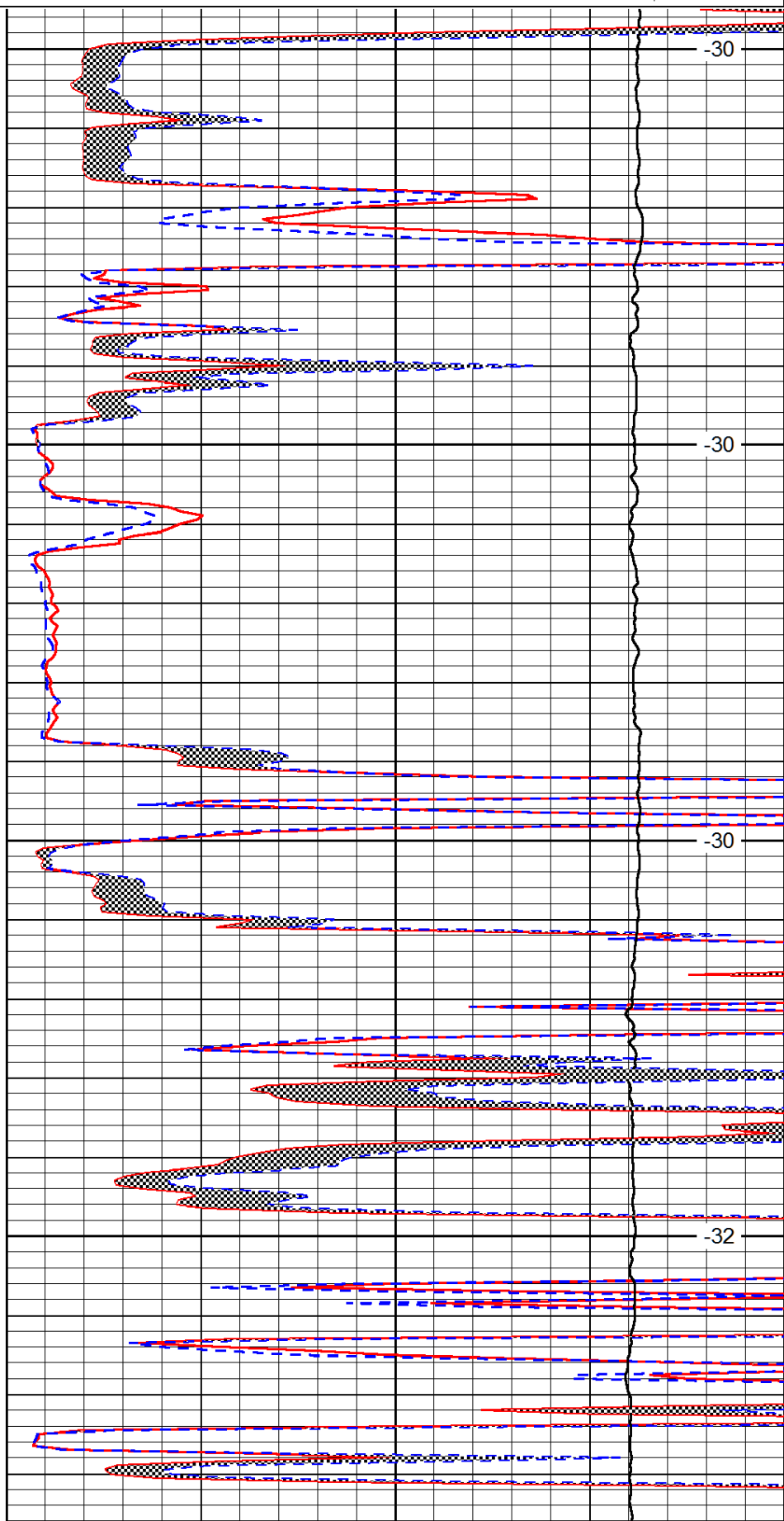
3750

3800

3850

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD
(ft/min)

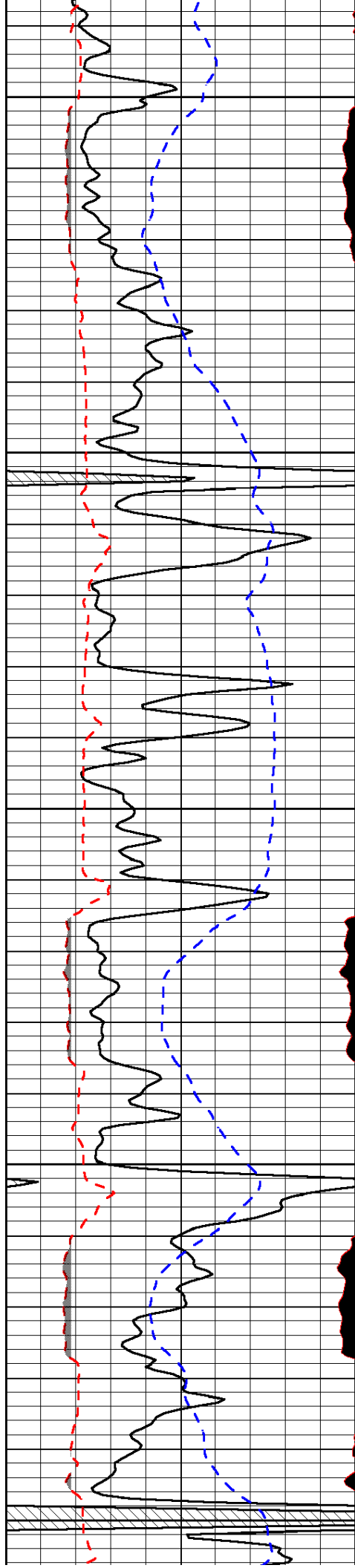


-30

-30

-30

-32



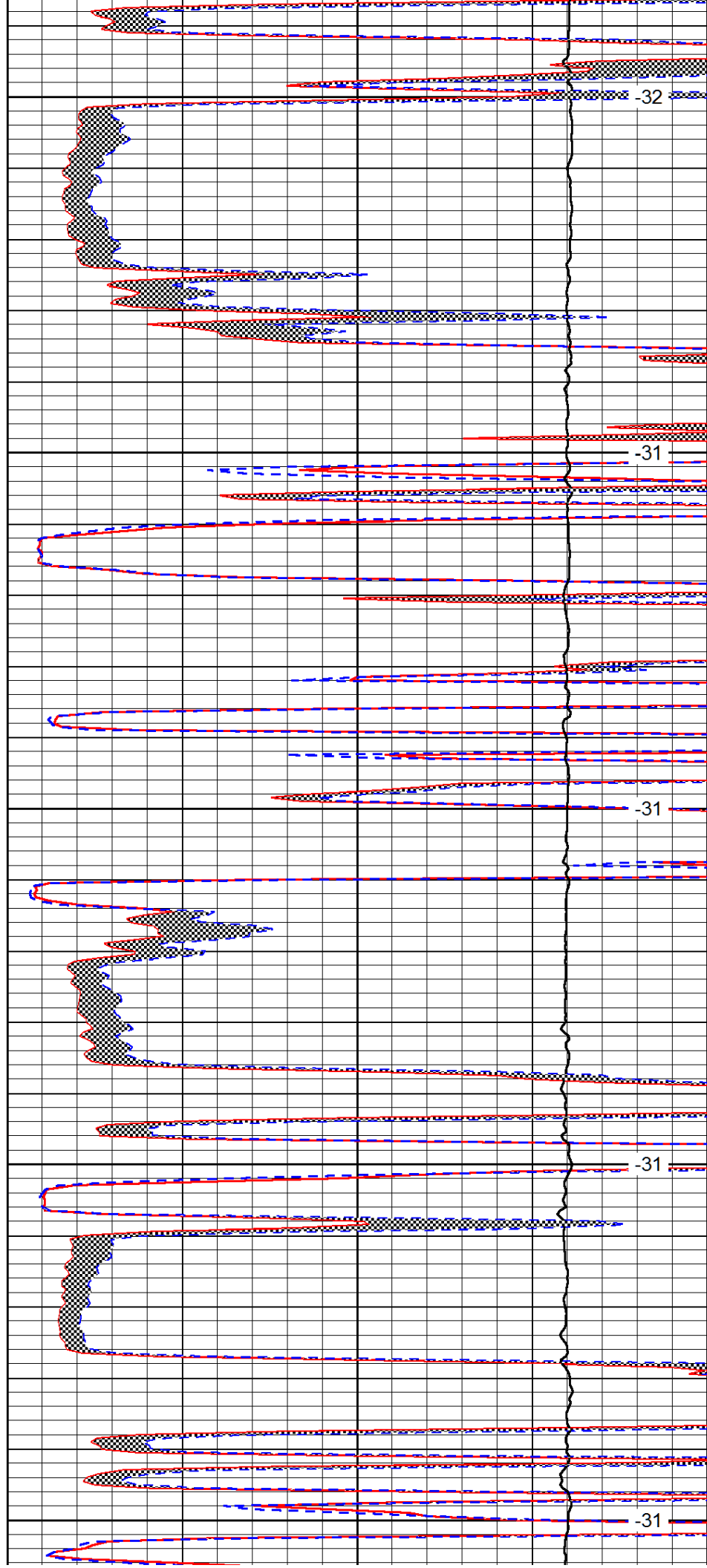
3900

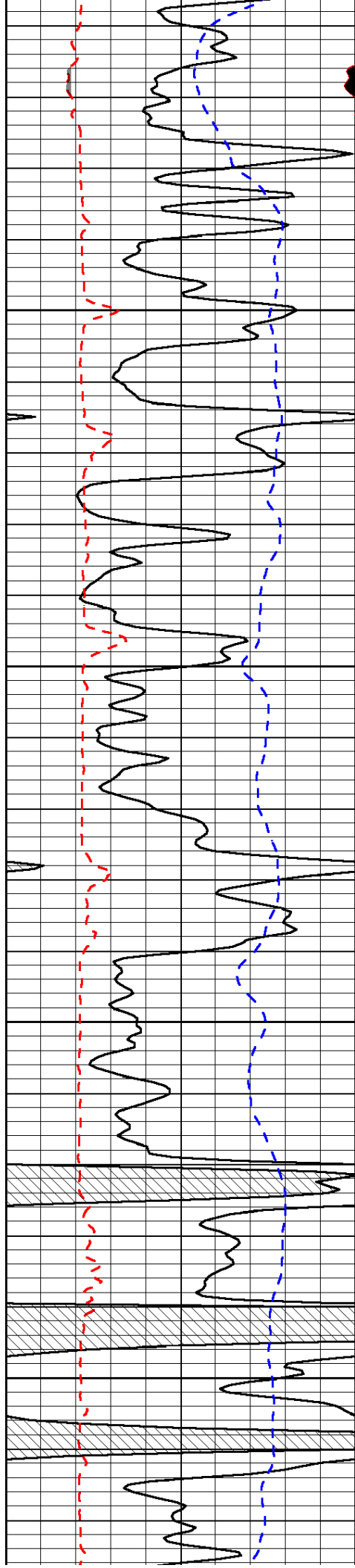
3950

4000

4050

4100



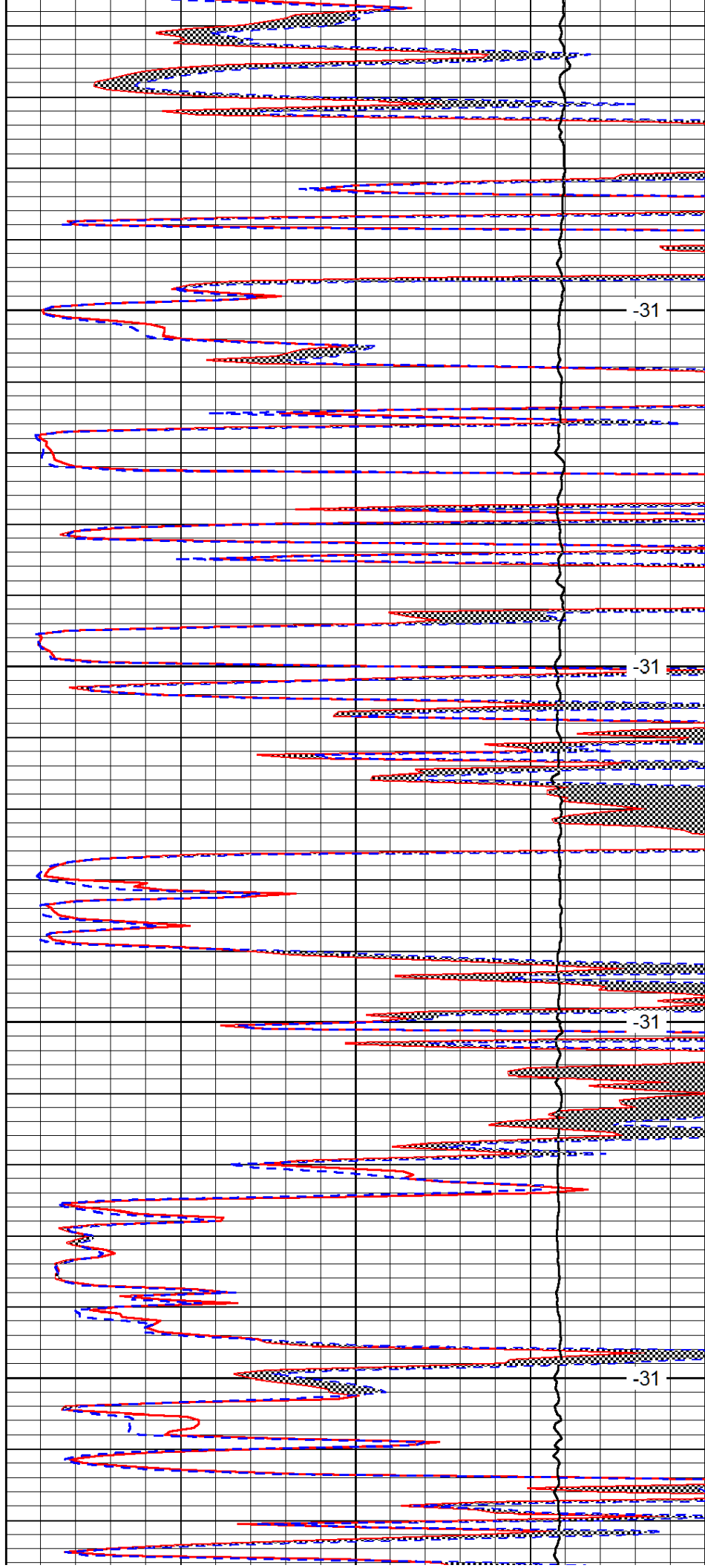


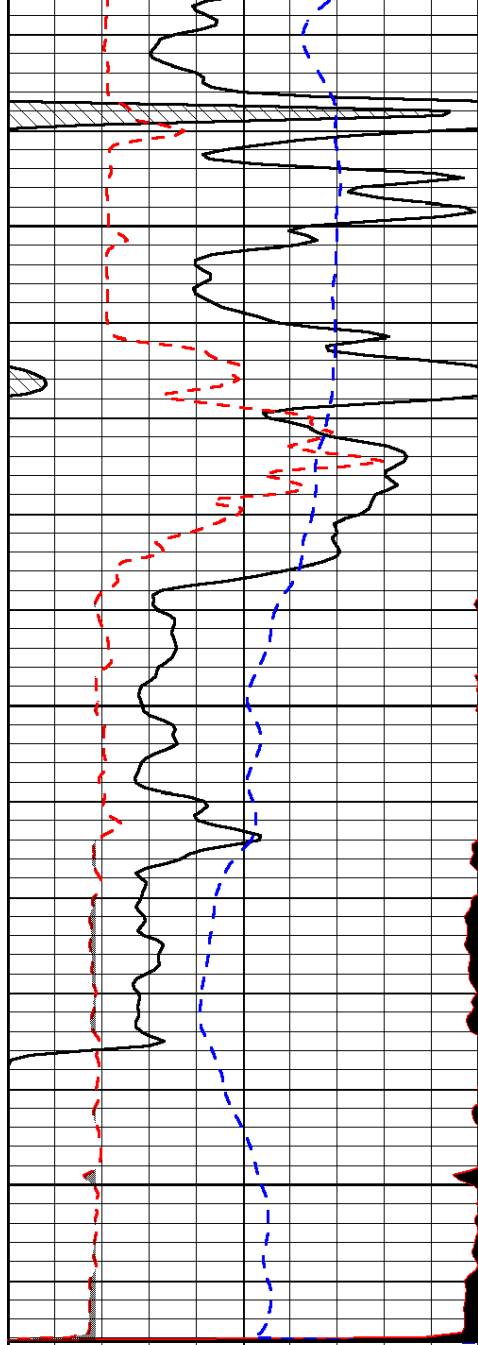
4150

4200

4250

4300



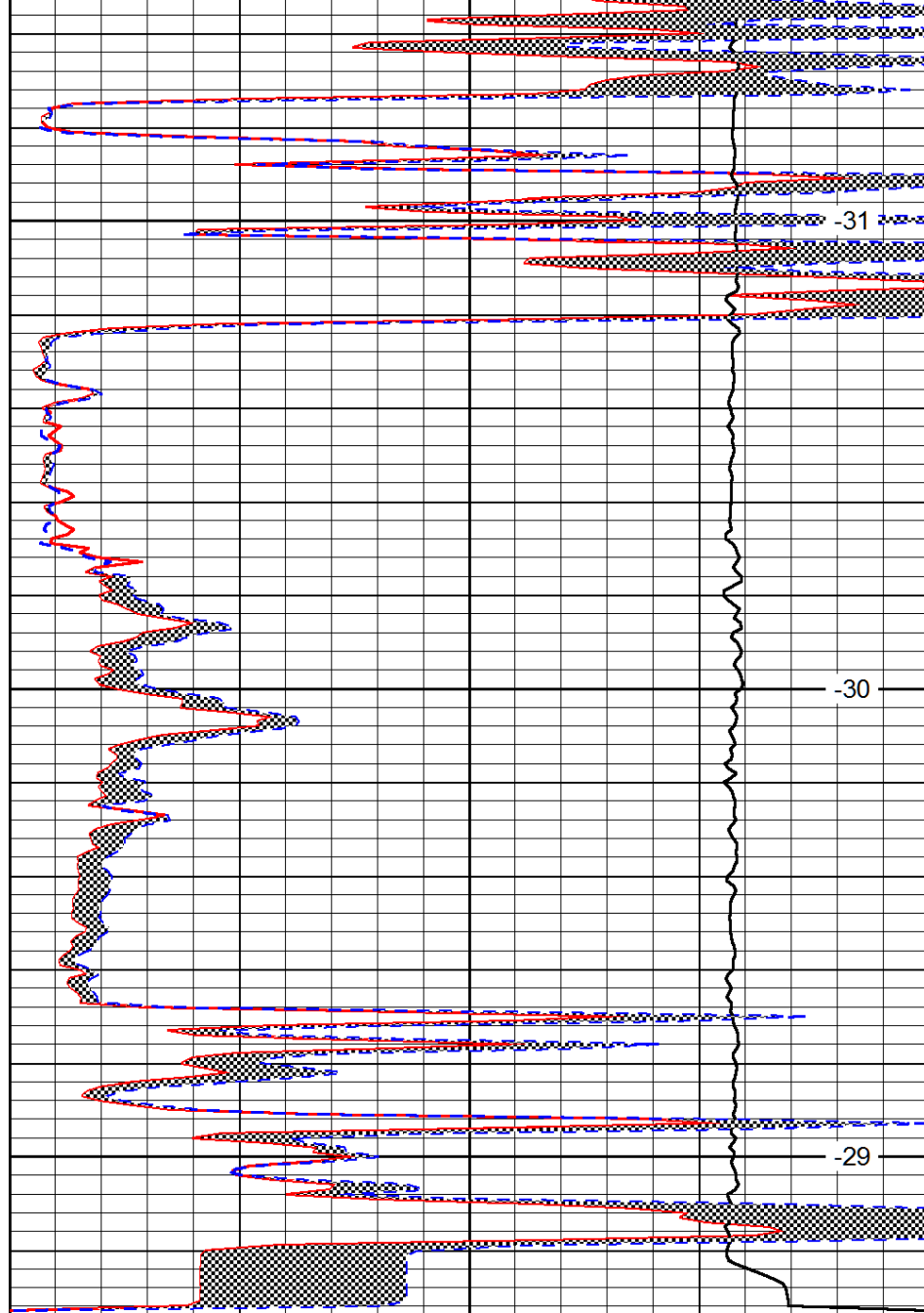


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