



Microresistivity Log

Pioneer Energy Services

API No.

15-053-21,314-00-00

Company Bird Dog Oil, LLC

Well Stoltzenberg-Svoboda No. 2-17

Field Stoltzenberg

County Ellsworth State Kansas

Location 1,040' FNL & 900' FEL

Sec: 17 Twp: 16S Rge: 10W

Permanent Datum Ground Level Elevation 1901

Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL/BHCS

Elevation
K.B. 1909
D.F.
G.L. 1901

Date 9/10/2014

Run Number Two

Depth Driller 3460

Depth Logger 3460

Bottom Logged Interval 3459

Top Log Interval 2650

Casing Driller 8.625 @ 431

Casing Logger 429

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 11000

Density / Viscosity 9.3 50

pH / Fluid Loss 8.5 13.6

Source of Sample Flowline

Rm @ Meas. Temp .24 @ 75

Rmf @ Meas. Temp .18 @ 75

Rmc @ Meas. Temp .32 @ 75

Source of Rmf / Rmc Charts

Rm @ BHT .16 @ 111

Operating Rig Time 4 Hours

Max Rec. Temp. F 111

Equipment Number 108

Location Hays

Recorded By J. Long

Witnessed By Adam Nighswonger

<<< 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

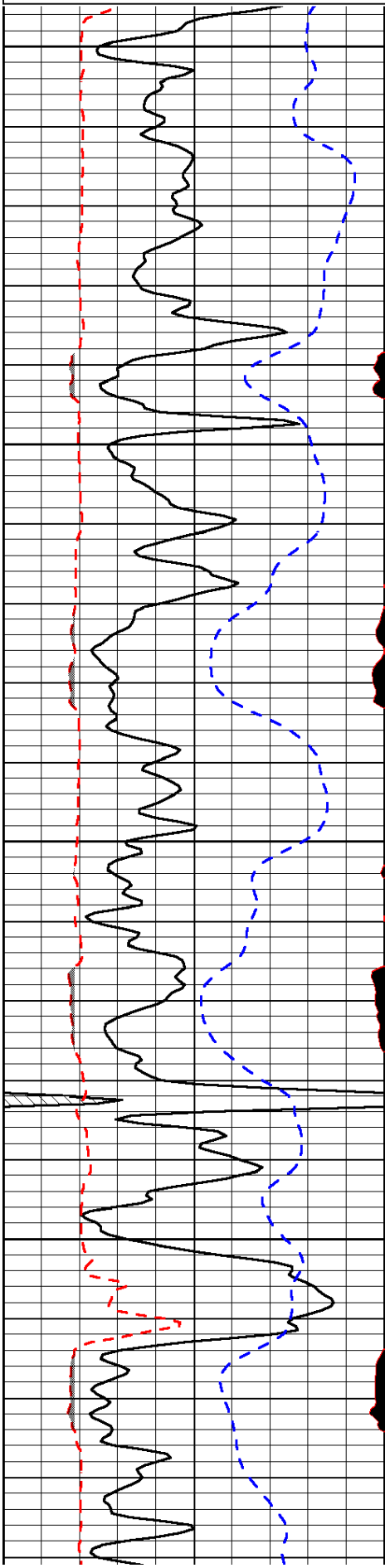
Thank you for using Log-Tech, Inc.
(785) 625-3858

Wilson, 12 South to Avenue P, 2 East to 3rd Road, 1/2 North, 1/4 West to Tank Batteries,
North Into

Database File: birddog_stoltenberg-svoboda_2-17hd.db
Dataset Pathname: dil/birdstck
Presentation Format: micro
Dataset Creation: Wed Sep 10 13:14:51 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD

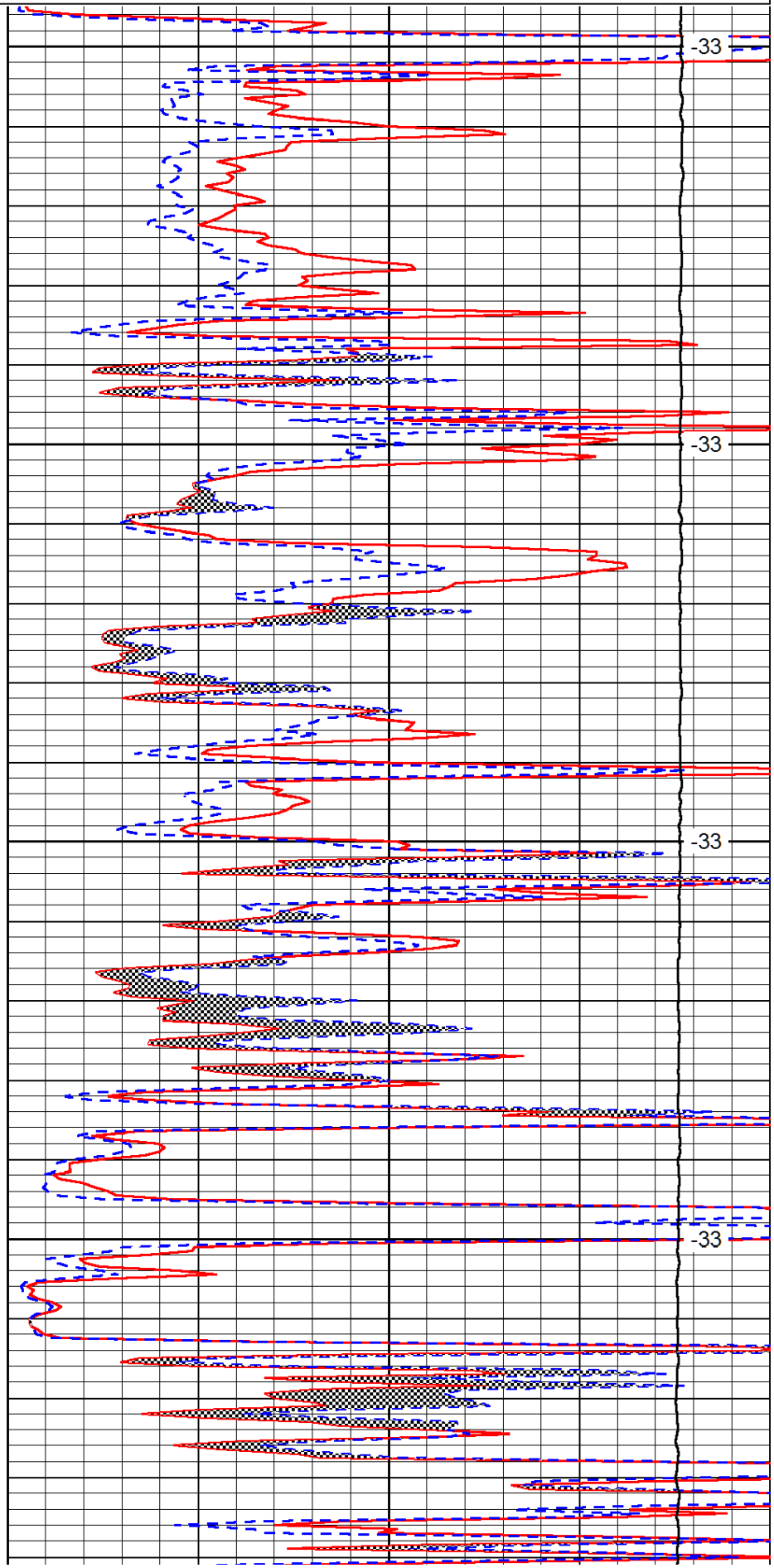


2650

2700

2750

2800

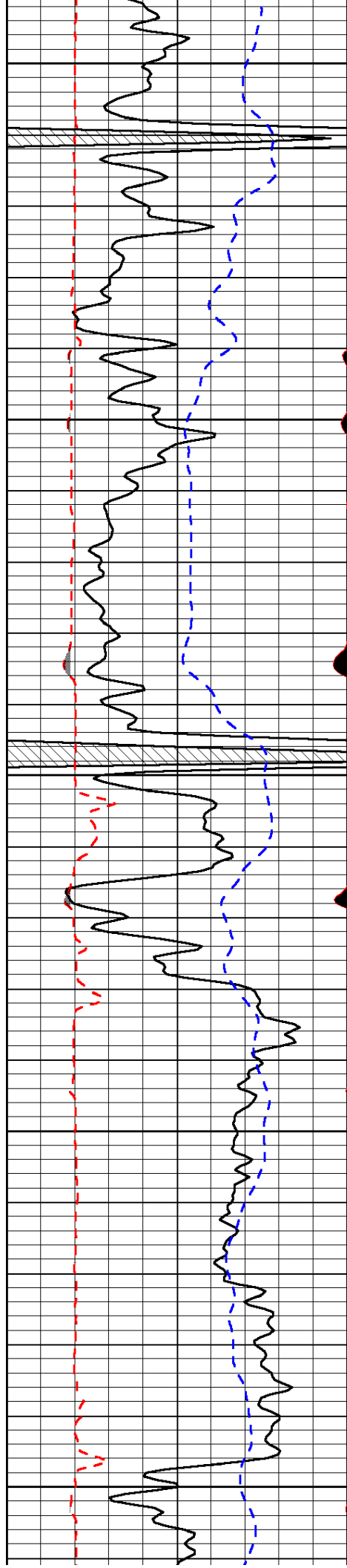


-33

-33

-33

-33



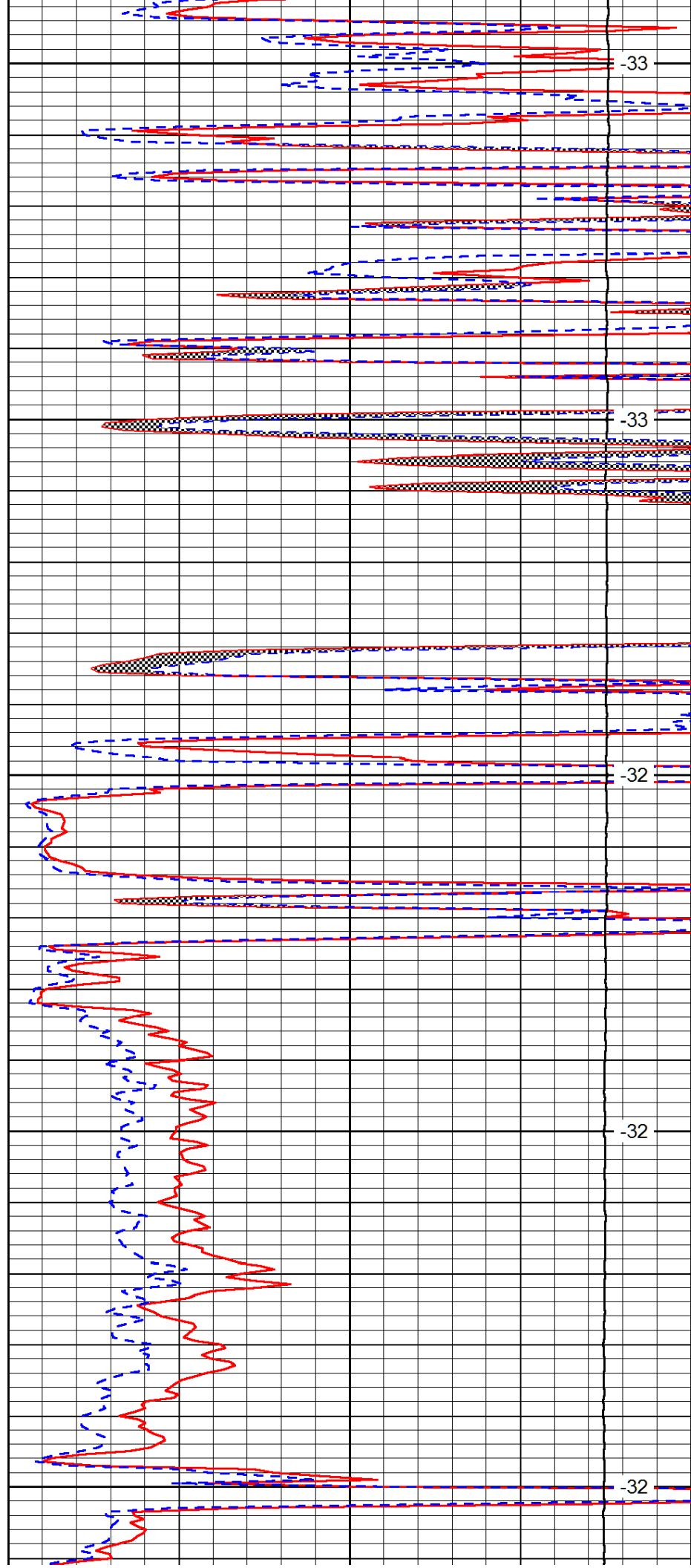
2850

2900

2950

3000

3050



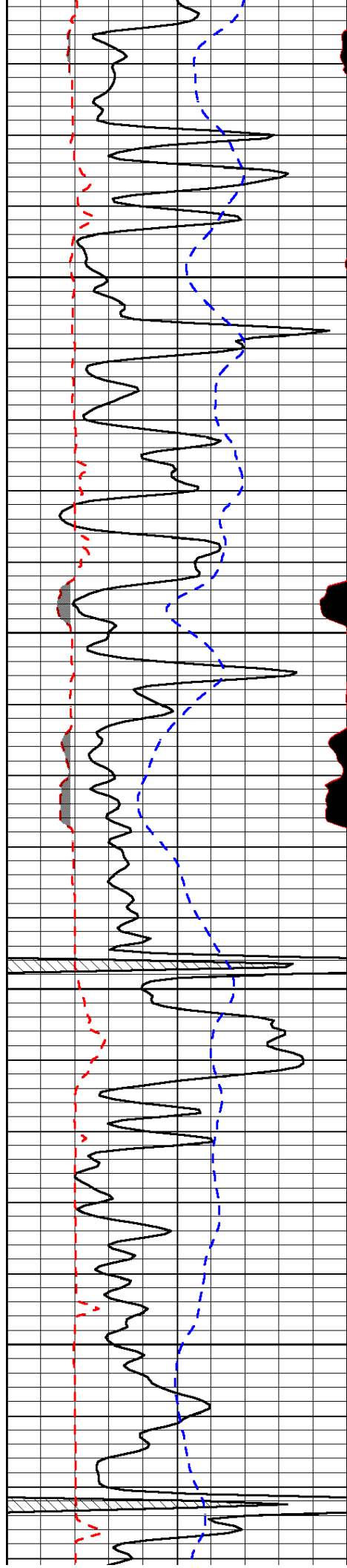
-33

-33

-32

-32

-32

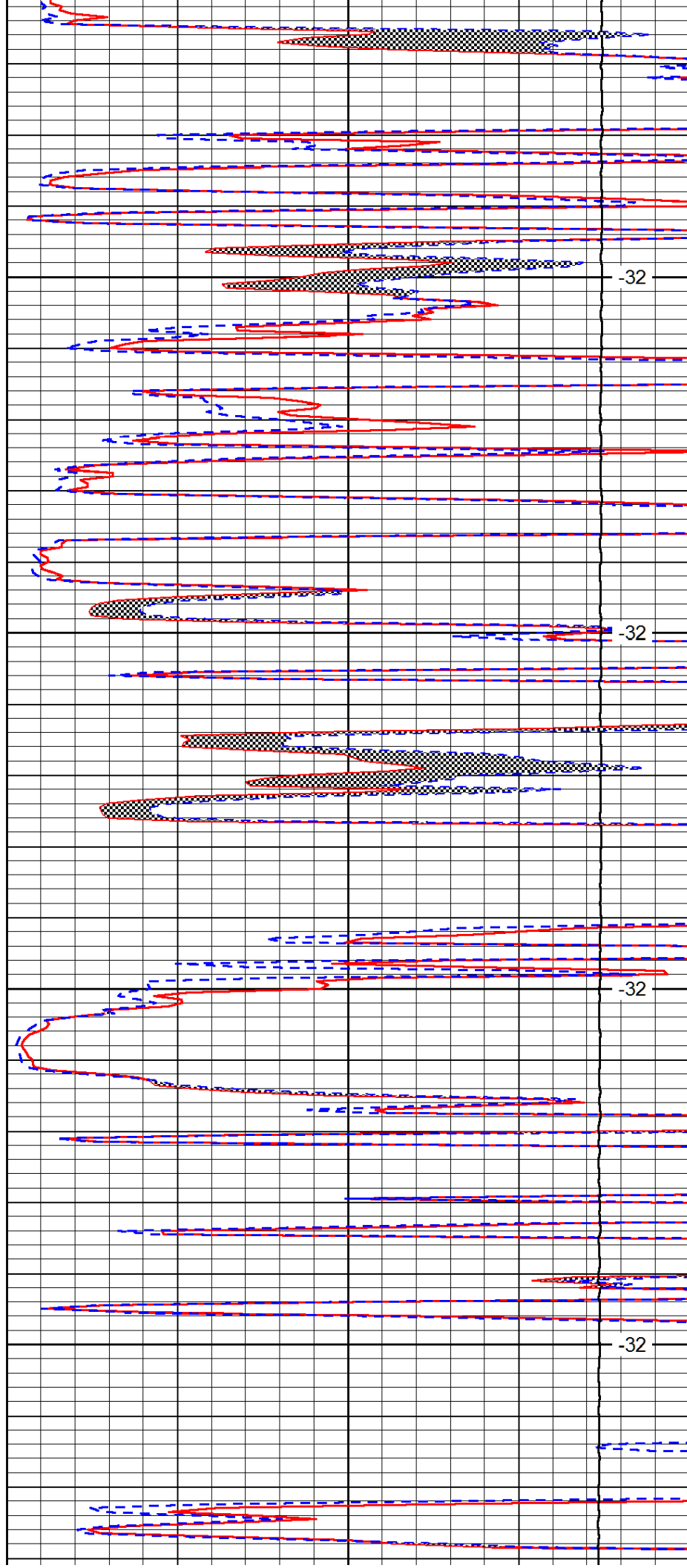


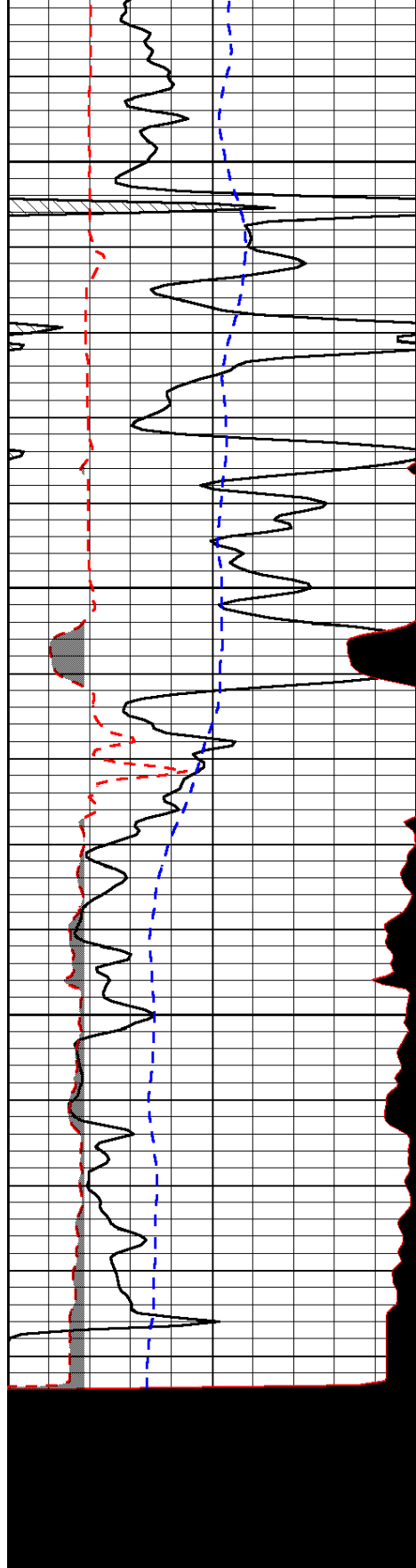
3100

3150

3200

3250





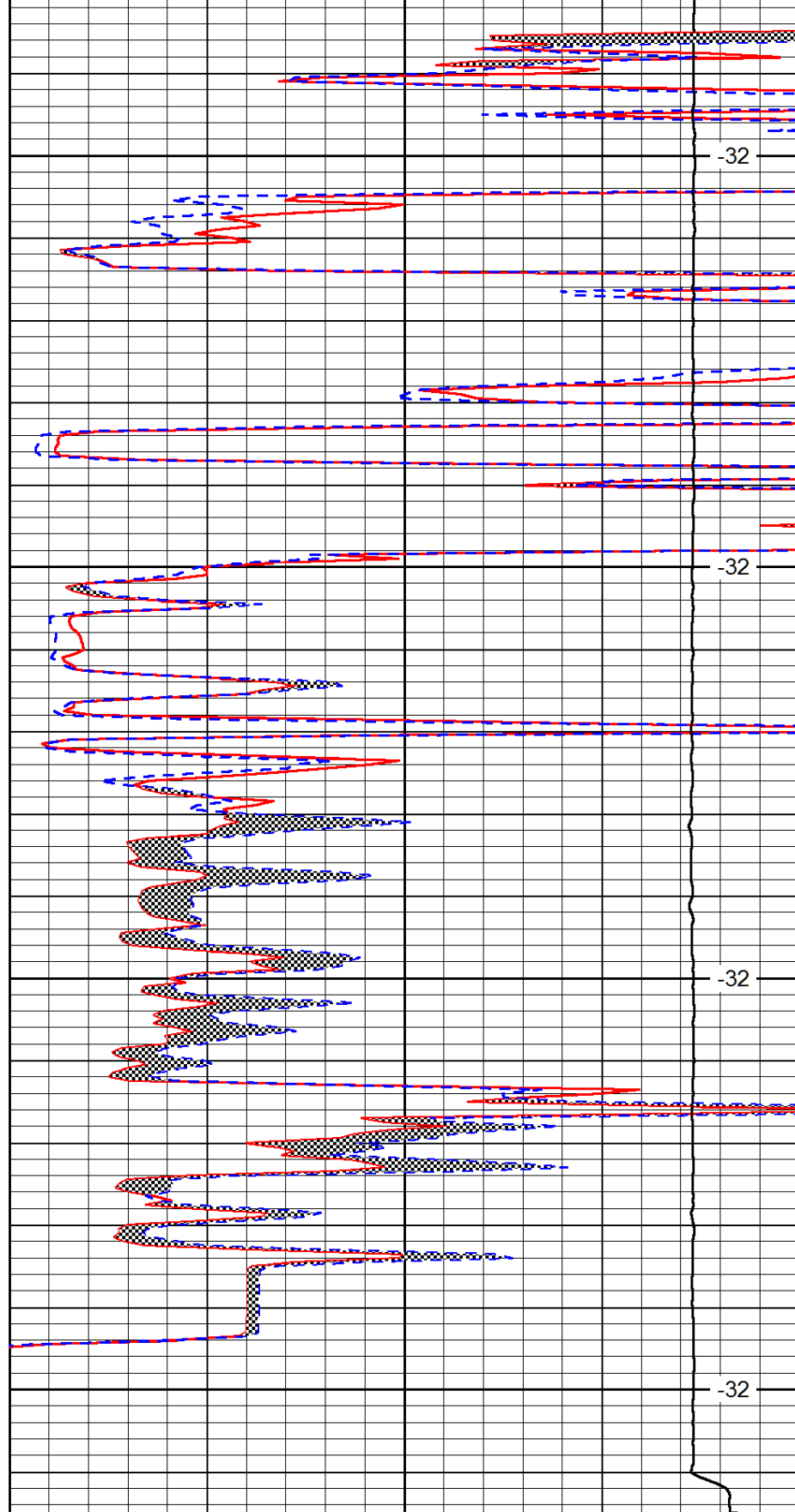
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

3300

3350

3400

3450



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD