



Microresistivity Log

Pioneer Energy Services

API No.

15-167-23871-00-00

Company **RJM Company**

Well **Feist #1**

Field **Ney**

County **Russell**

State

Kansas

Location

**SW SW SE
330' FSL / 2310' FEL**

Other Services
CNL/CDL
DIL/BHCS

Sec: 31

Twp: 15S

Rge: 12W

Elevation

Permanent Datum Ground Level Elevation 1880
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date

4/14/2013

Run Number

Two

Depth Driller

3425

Depth Logger

3425

Bottom Logged Interval

3424

Top Log Interval

2800

Casing Driller

8.625 @ 432

Casing Logger

430

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8000

Density / Viscosity

9.3 50

pH / Fluid Loss

9.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.32 @ 62

Rmf @ Meas. Temp

0.24 @ 62

Rmc @ Meas. Temp

0.43 @ 62

Source of Rmf / Rmc

Charts

Rm @ BHT

0.18 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

15

Location

Hays

Recorded By

R. Barnhart

Witnessed By

Kurt Talbott

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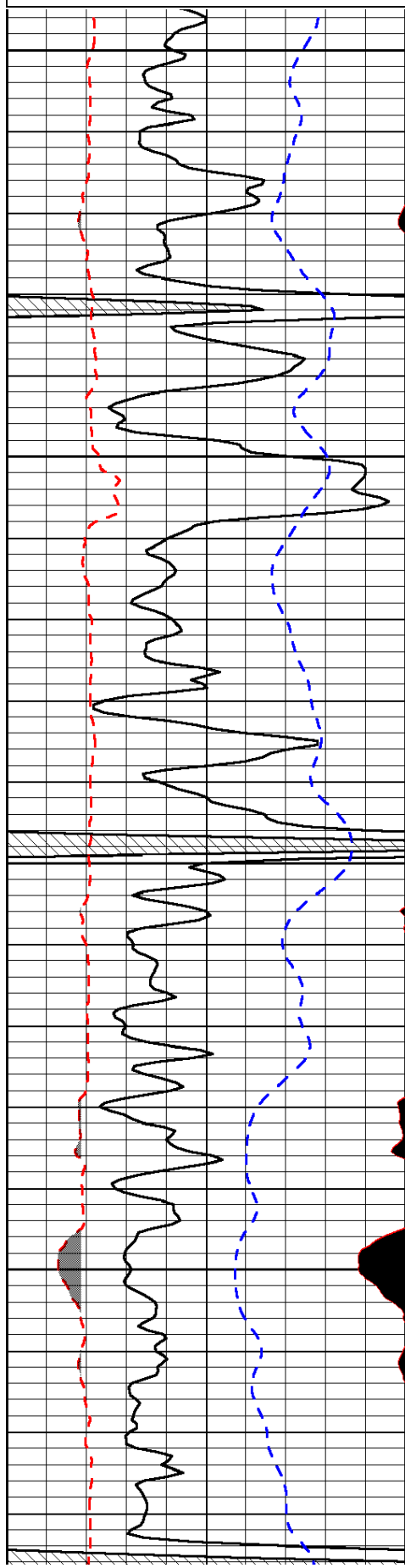
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Russell, KS:
S to Co. Line, 8E, N into

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

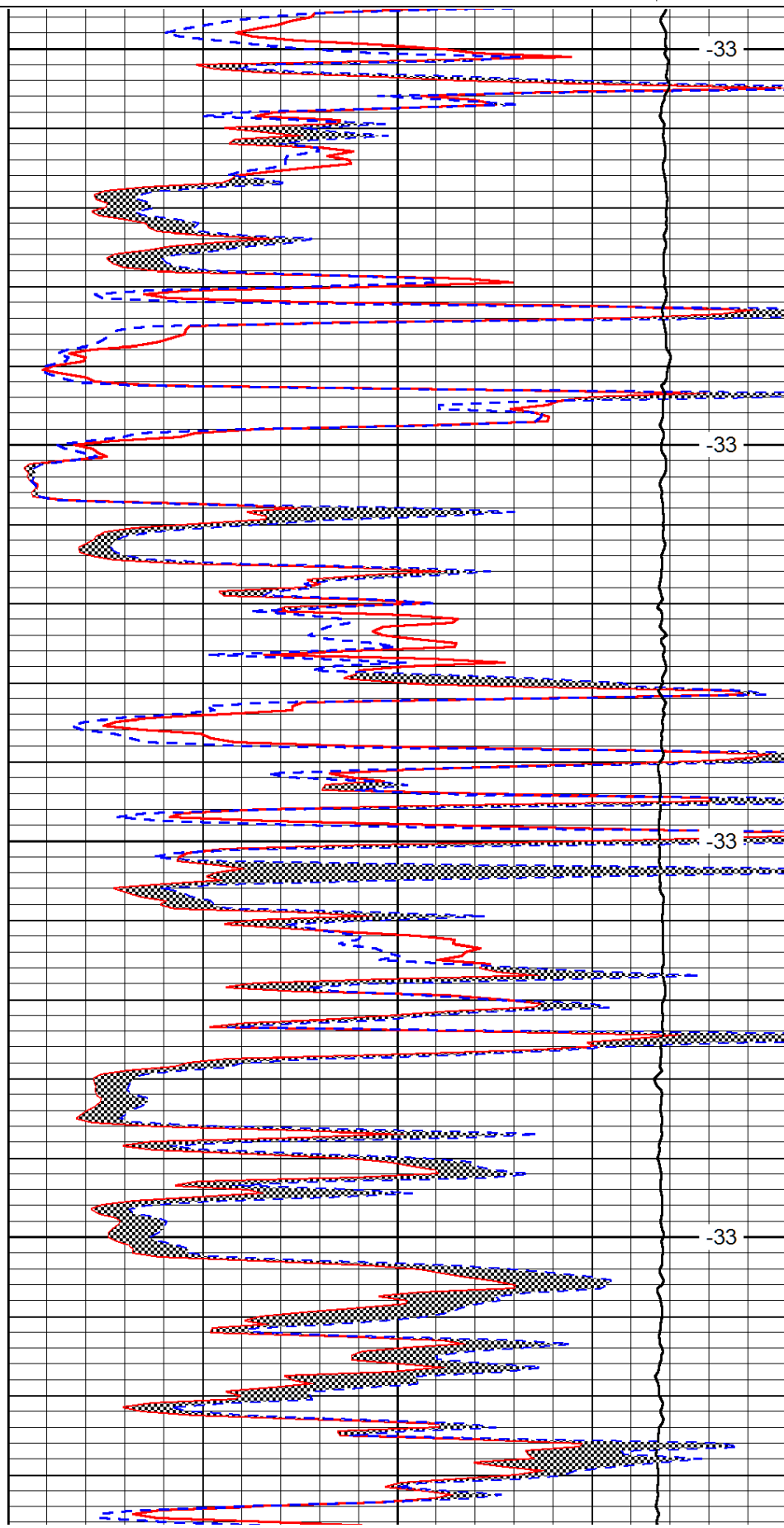


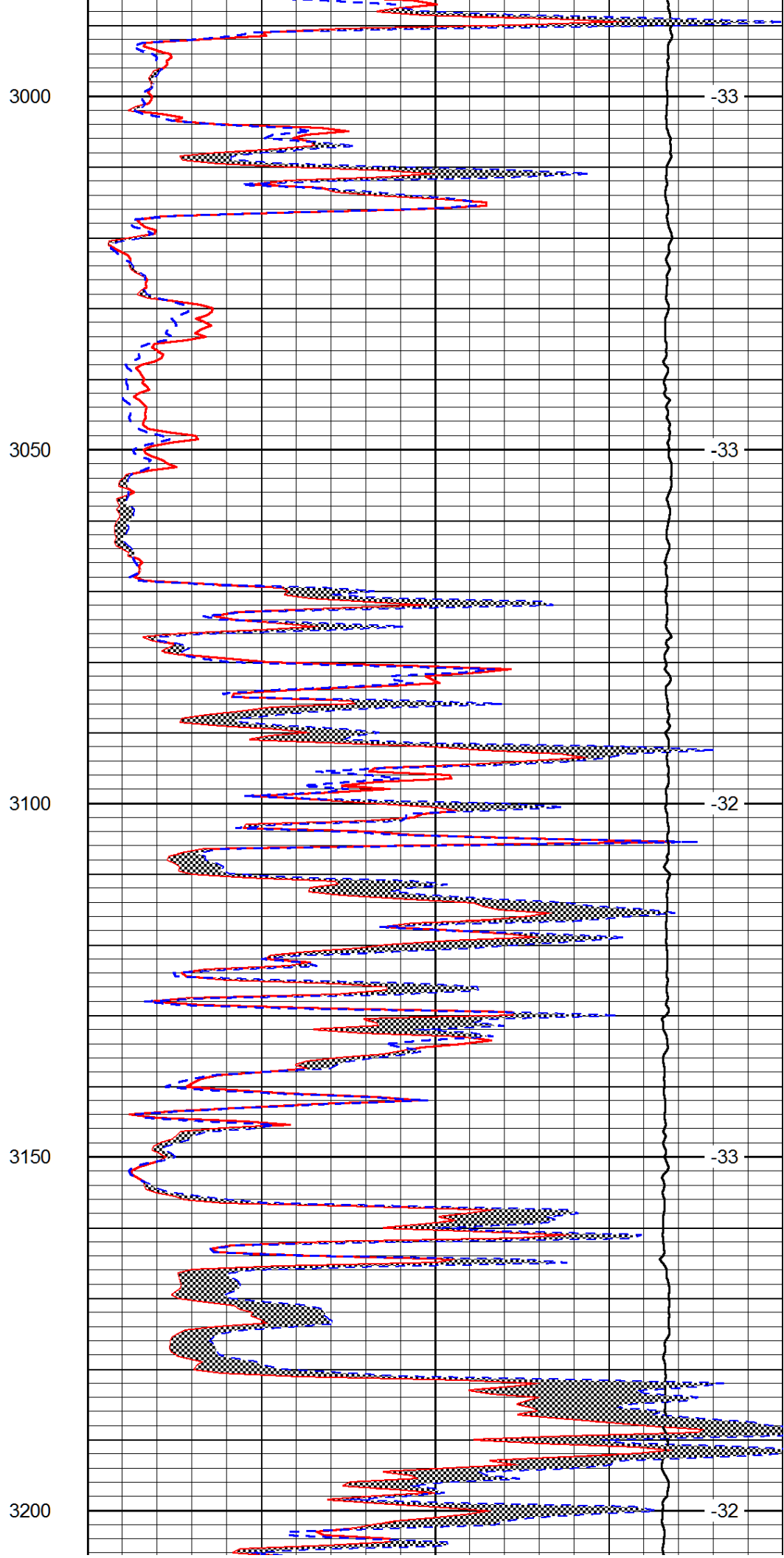
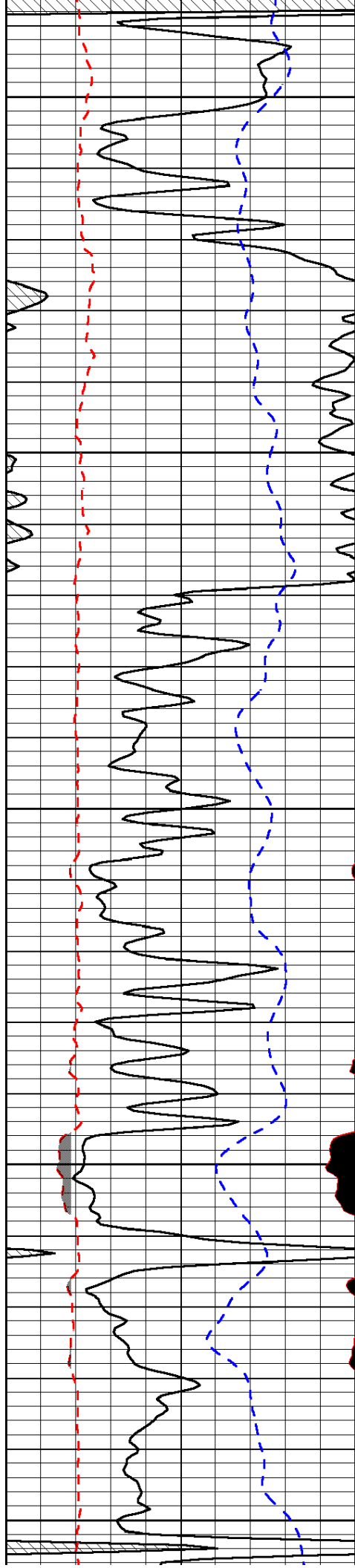
2800

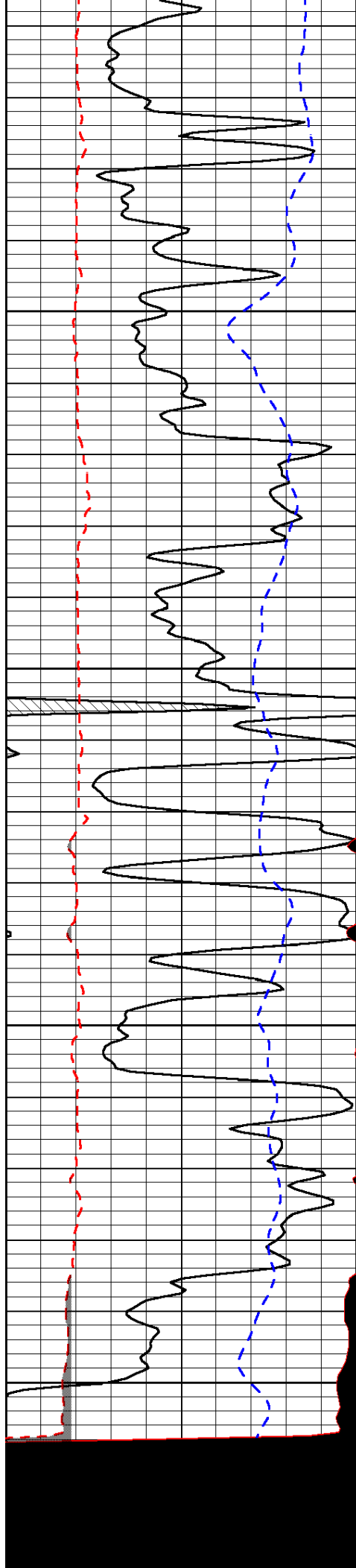
2850

2900

2950





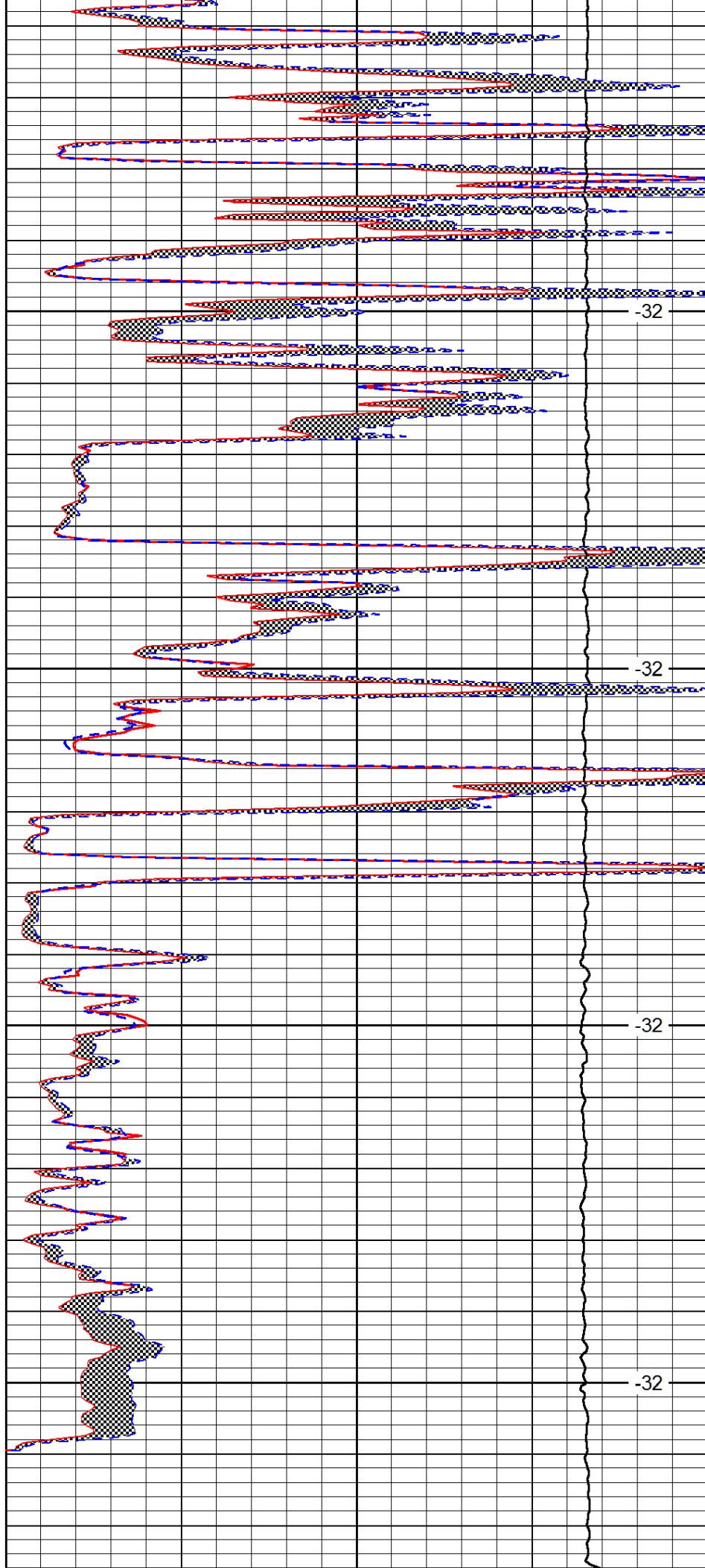


3250

3300

3350

3400



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

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)