



Microresistivity Log

Pioneer Energy Services

API No.

15-055-22,276-00-00

Company Lebsack Oil Production, Inc.

Well Garden City No. 5-12

Field Tanker

County Finney State Kansas

Location 1320' FNL & 1320' FEL

Sec: 12 Twp: 22S Rge: 34W

Permanent Datum Ground Level Elevation 2906

Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing Elevation 2917
D.F. 2906
G.L.

Date 2/27/14

Run Number Two

Depth Driller 4860

Depth Logger 4866

Bottom Logged Interval 4865

Top Log Interval 3600

Casing Driller 8.625 @ 417

Casing Logger 412

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3,700

Density / Viscosity 9.4 54

pH / Fluid Loss 10.0 8.0

Source of Sample Flowline

Rm @ Meas. Temp .78 @ 58

Rmf @ Meas. Temp .59 @ 58

Rmc @ Meas. Temp 1.05 @ 58

Source of Rmf / Rmc Charts

Rm @ BHT .36 @ 125

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 125

Equipment Number 17

Location Hays

Recorded By J. Henrickson

Witnessed By Josh Austin

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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.

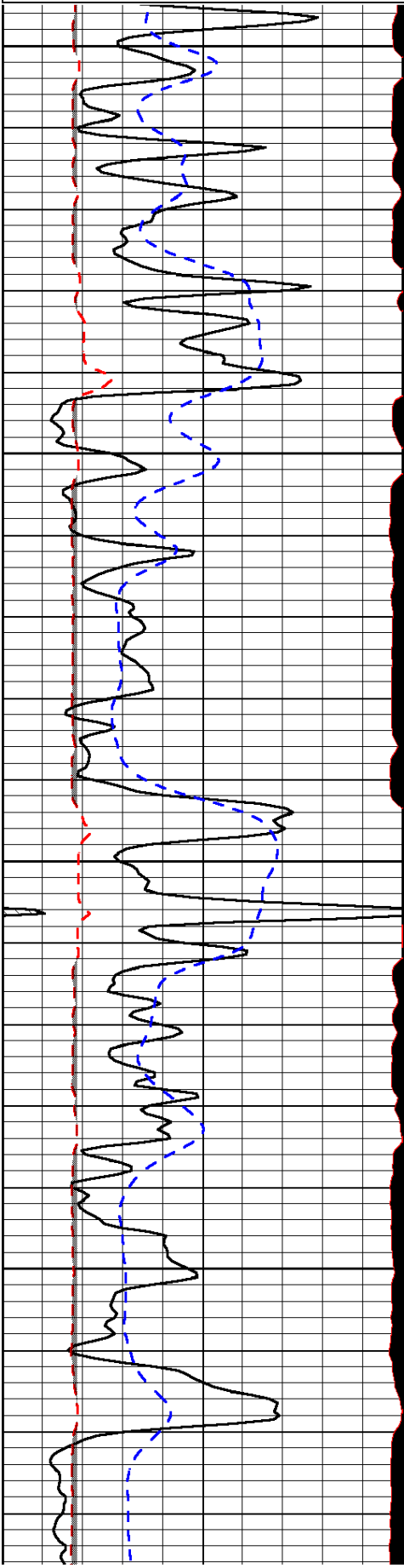
Comments

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

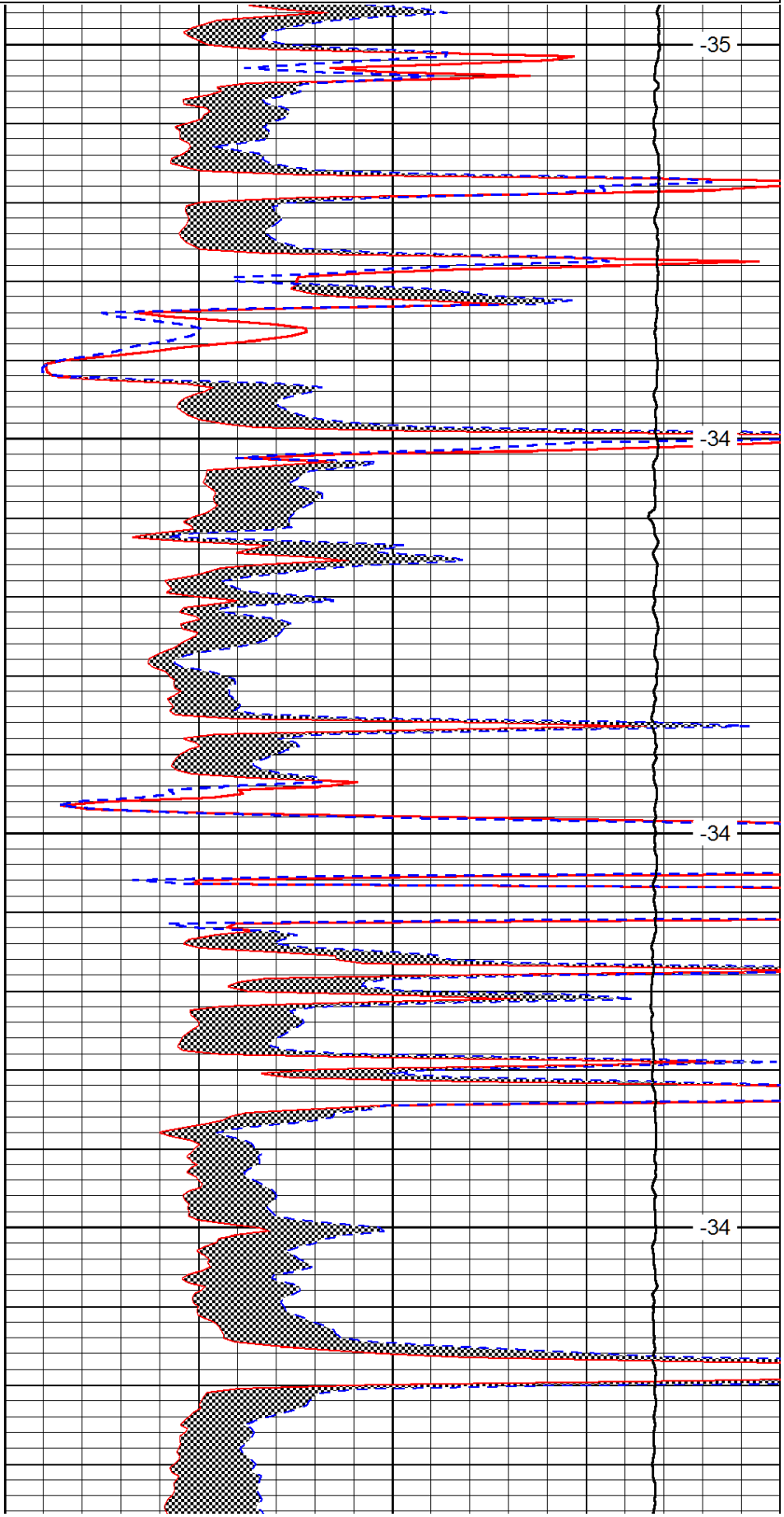
Scott City Kansas
South to Tennis Rd, 6 West, 1/2 South, West Into

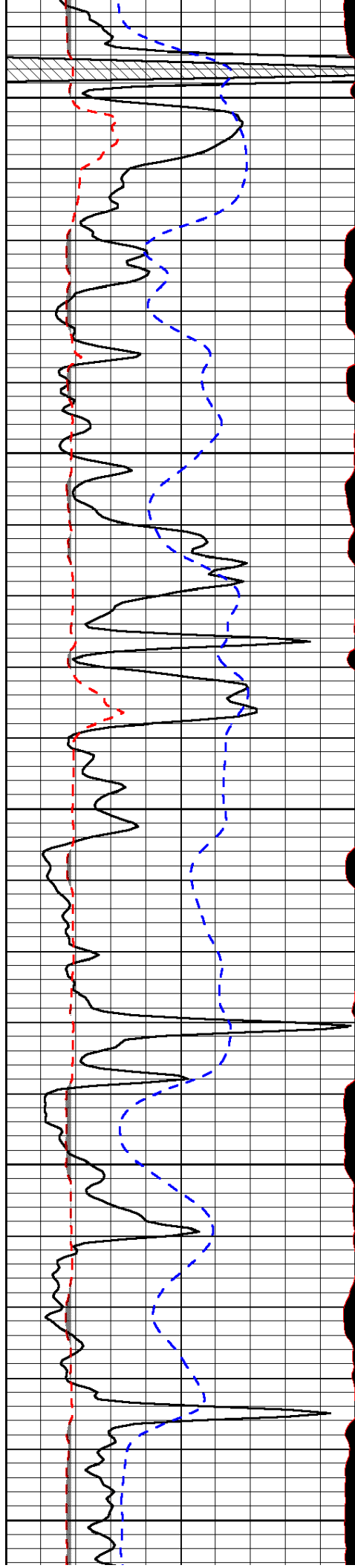
Database File: lebsack_garden_city_5_12hd.db
Dataset Pathname: DIL/lebstk
Presentation Format: micro
Dataset Creation: Thu Feb 27 19:22:52 2014
Charted by: Depth in Feet scaled 1:240

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



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





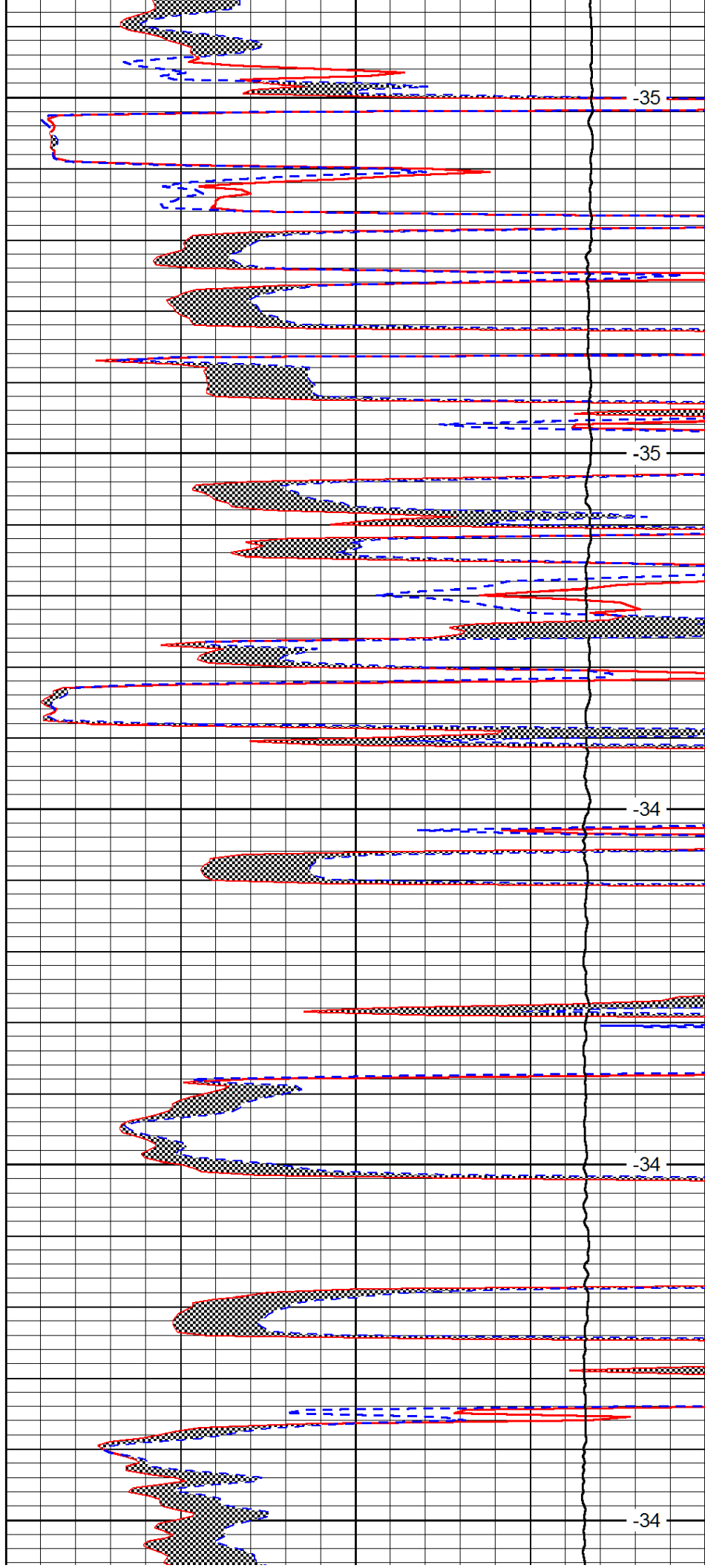
3800

3850

3900

3950

4000



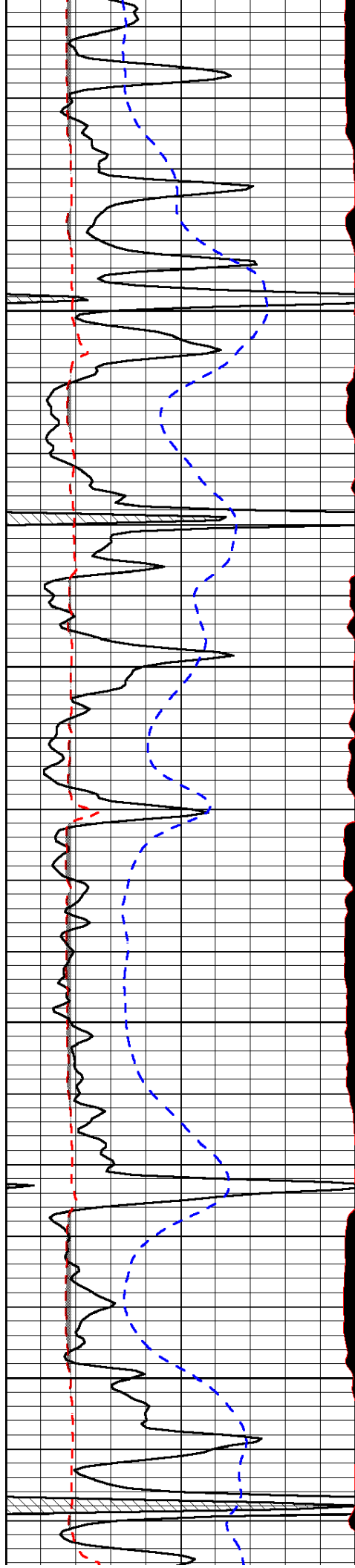
-35

-35

-34

-34

-34

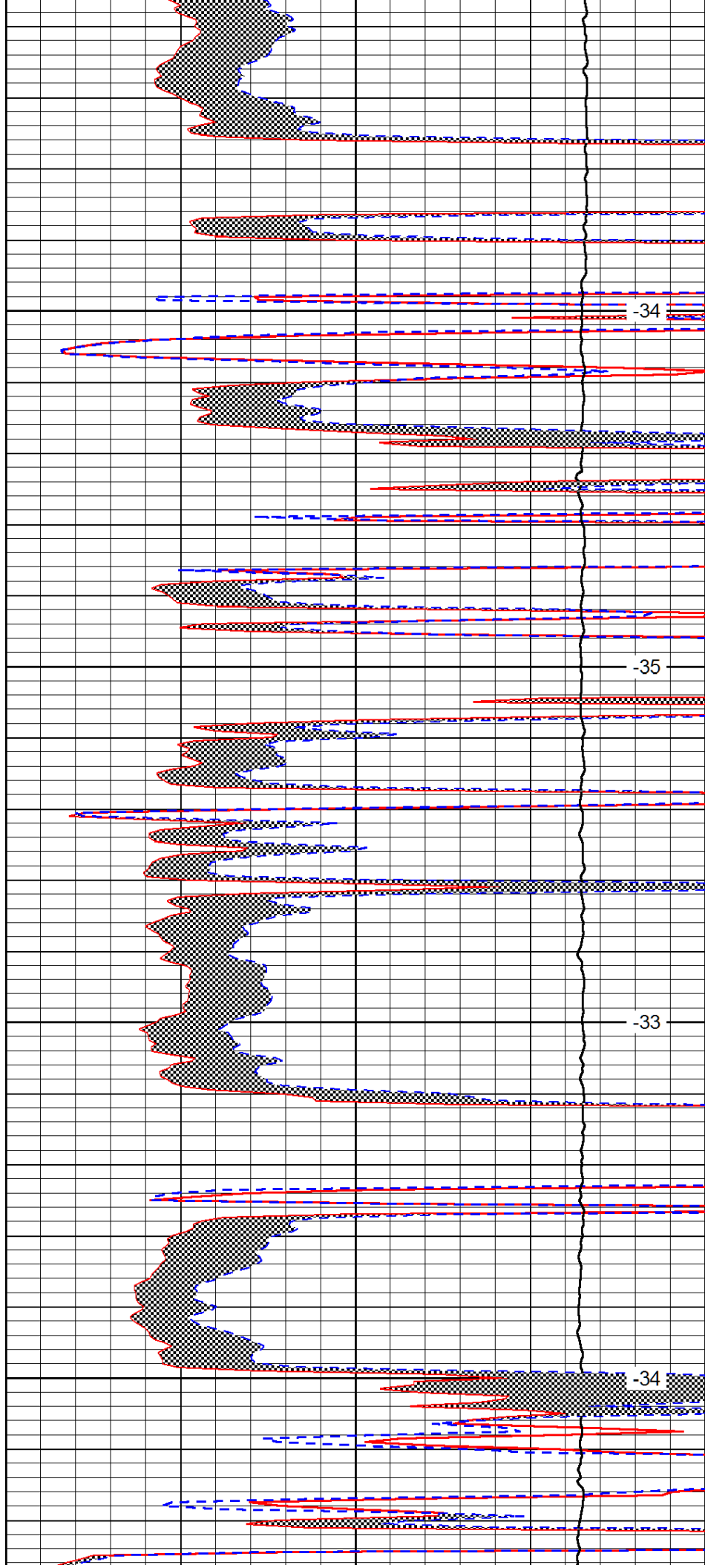


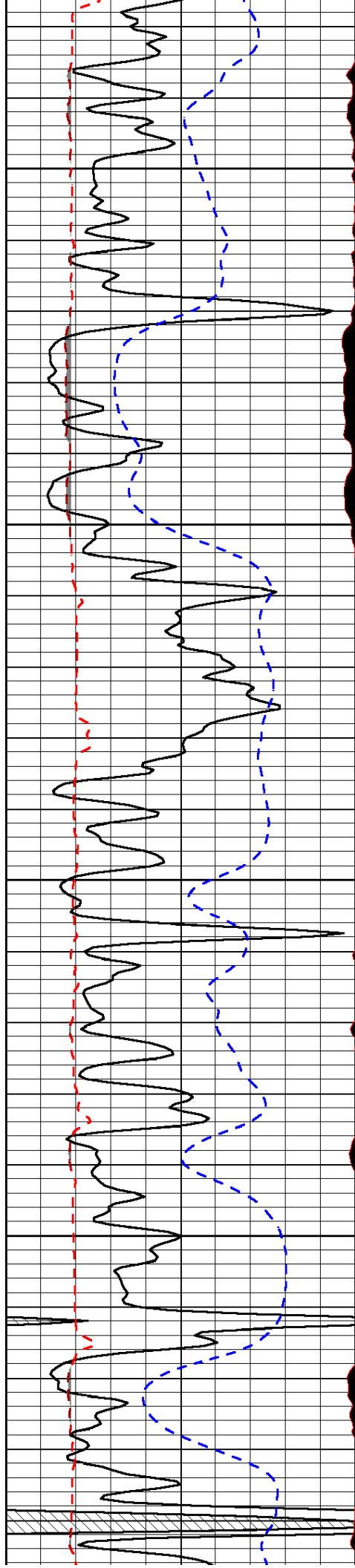
4050

4100

4150

4200



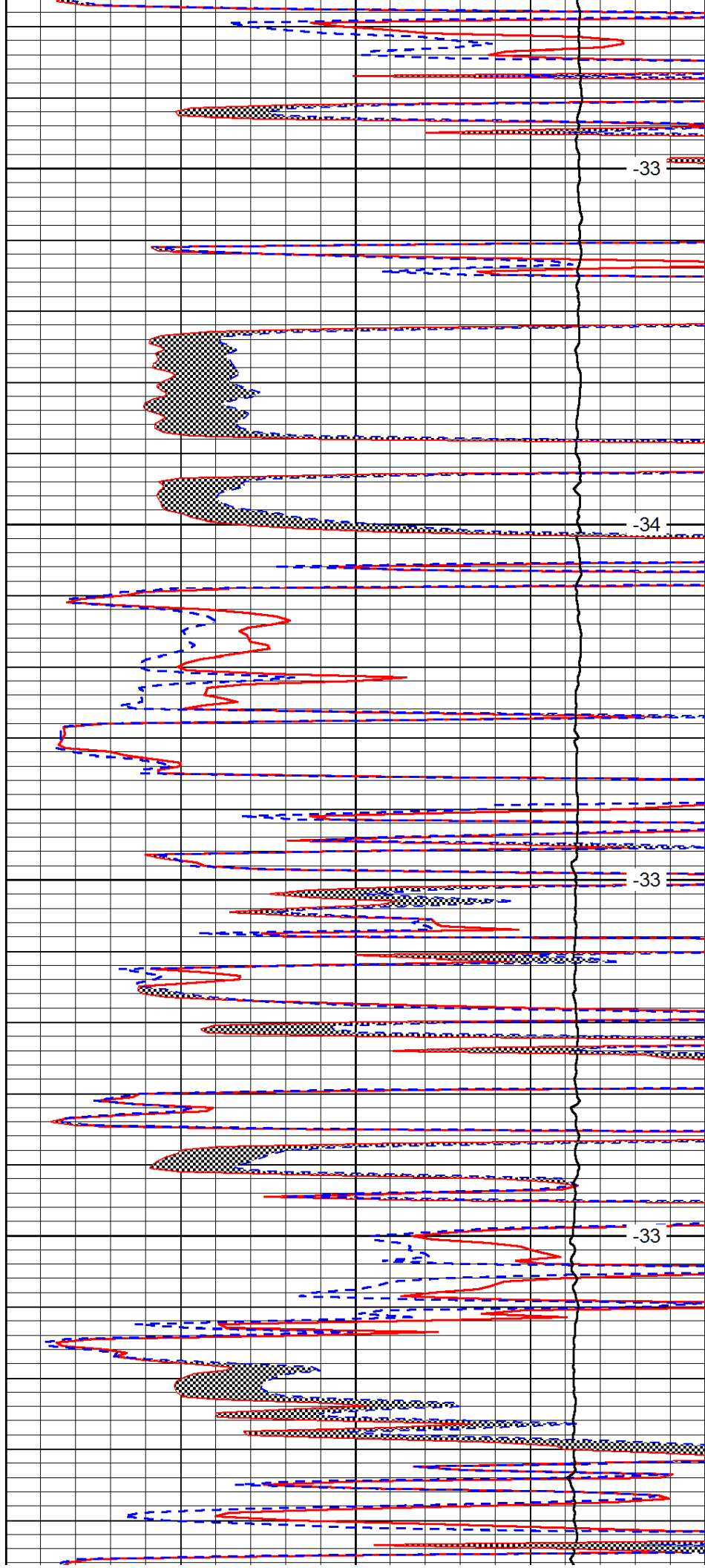


4250

4300

4350

4400

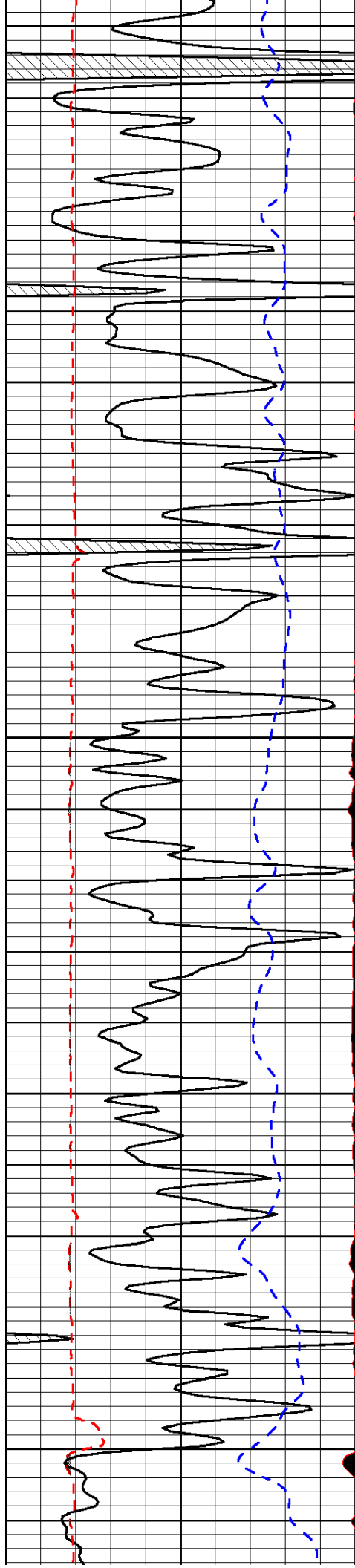


-33

-34

-33

-33



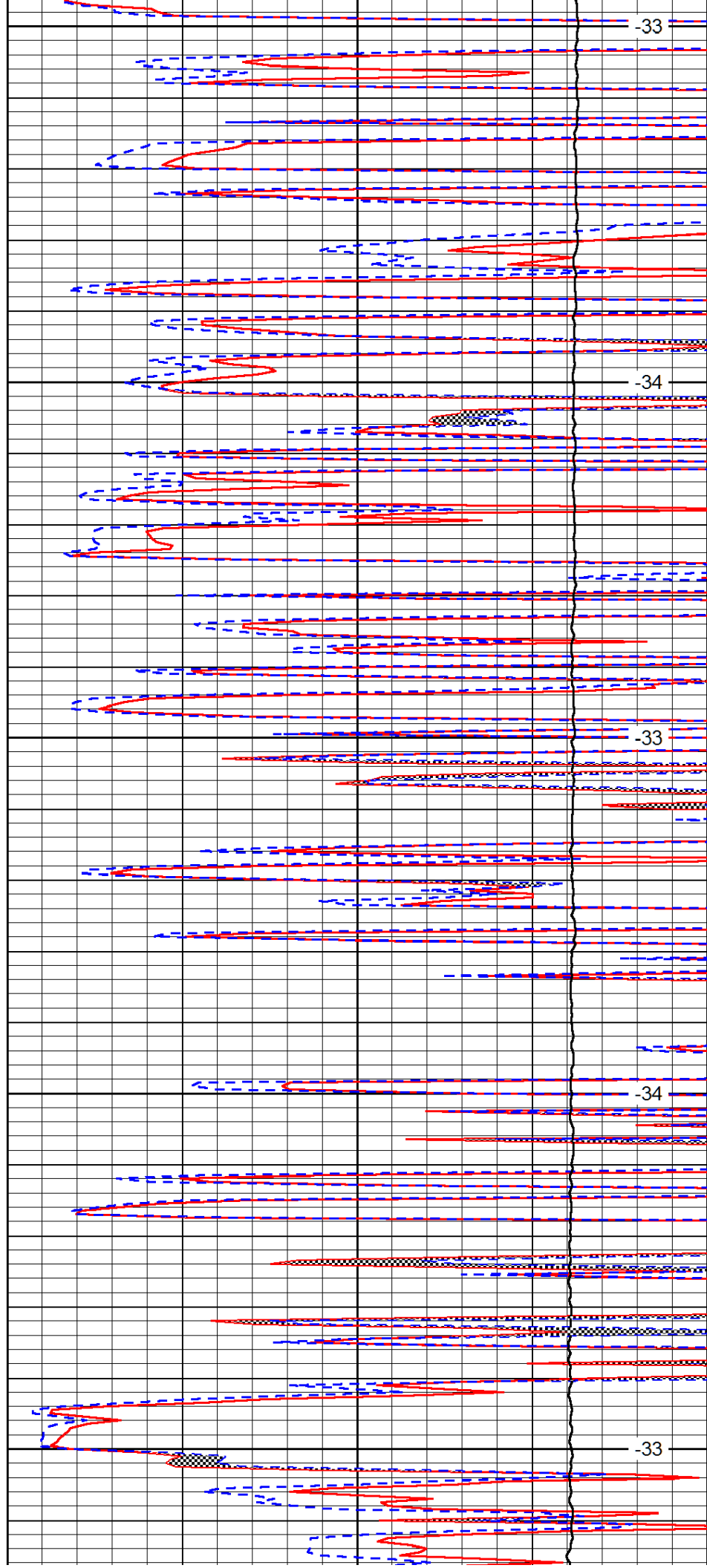
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4500

4550

4600

4650



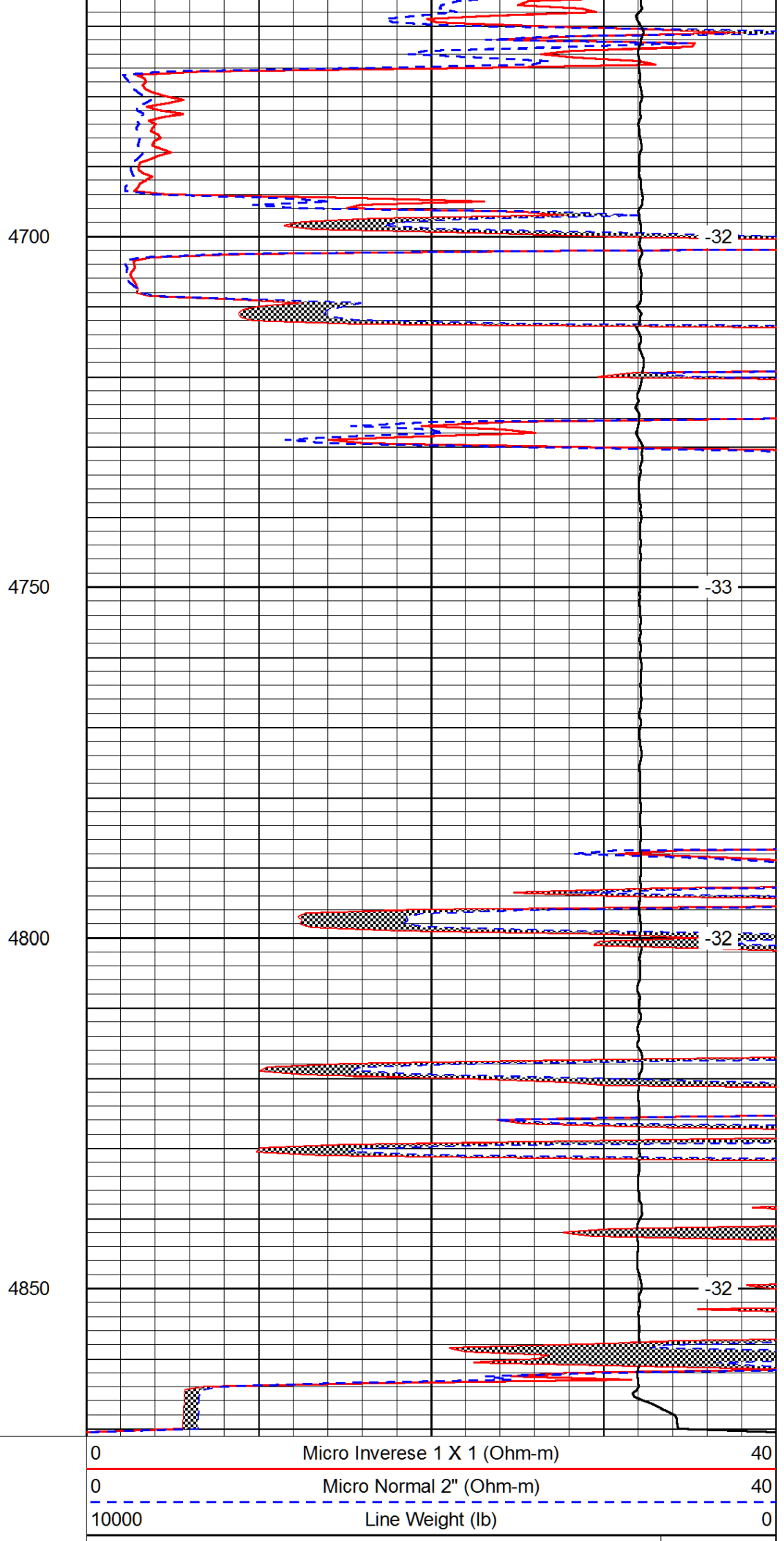
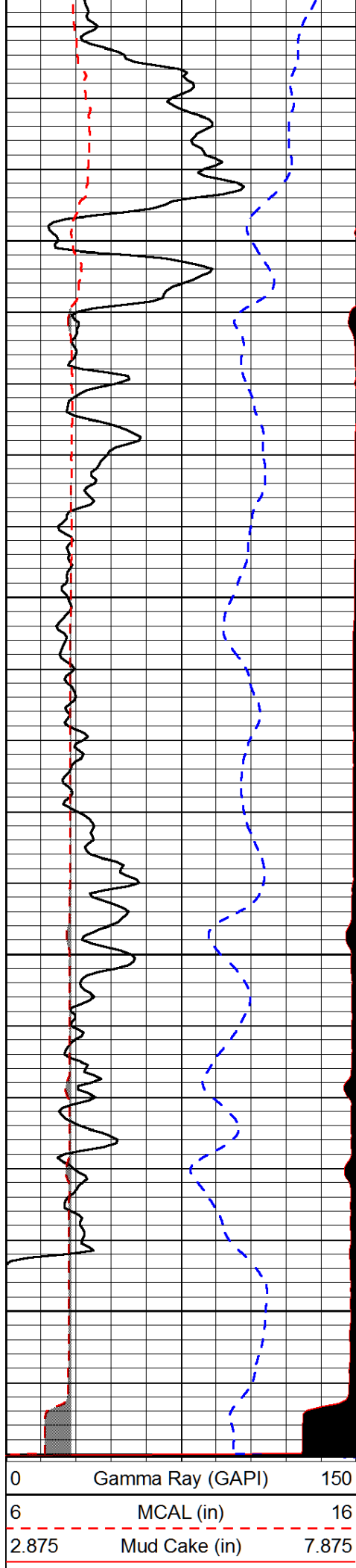
-33

-34

-33

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-200 SP (mV) 0

LSPD
(ft/min)