



Radiation Guard Log

DIGITAL LOG (785) 625-3858

API No.

15-135-24,965-00-00

Company Pickrell Drilling Co., Inc.

Well Mollenkamp A/B No. 1

Field Stutz East

County Ness State Kansas

Location 400' FSL & 840' FWL

Other Services
BHCS

Sec: 4 Twp: 17S Rge: 25W

Permanent Datum Ground Level Elevation 2519

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 2524
D.F. 2519
G.L. 2519

Date 10/18/2009

Run Number One

Depth Driller 4480

Depth Logger 4484

Bottom Logged Interval 4483

Top Log Interval 250

Casing Driller 8.625 @ 260

Casing Logger 260

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4.800

Density / Viscosity 9.3 56

pH / Fluid Loss 10.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp 1.6 @ 65

Rmf @ Meas. Temp 1.2 @ 65

Rmc @ Meas. Temp 2.16 @ 65

Source of Rmf / Rmc Charts

Rm @ BHT .85 @ 123

Operating Rig Time 3 Hours

Max Rec. Temp. F 123

Equipment Number 10

Location Hays

Recorded By Jason Wellbrock

Witnessed By Jerry A. Smith

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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.

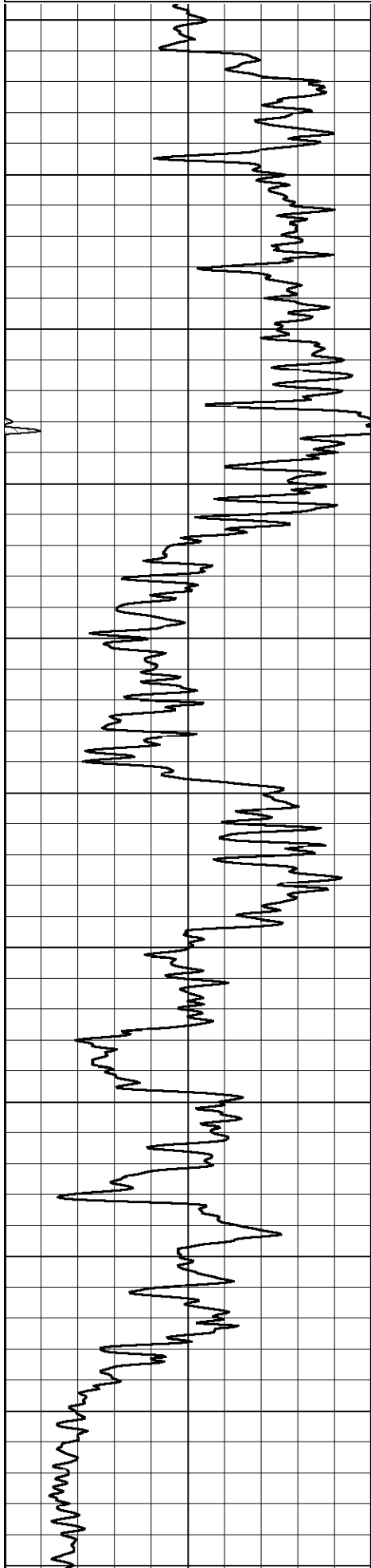
Comments

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

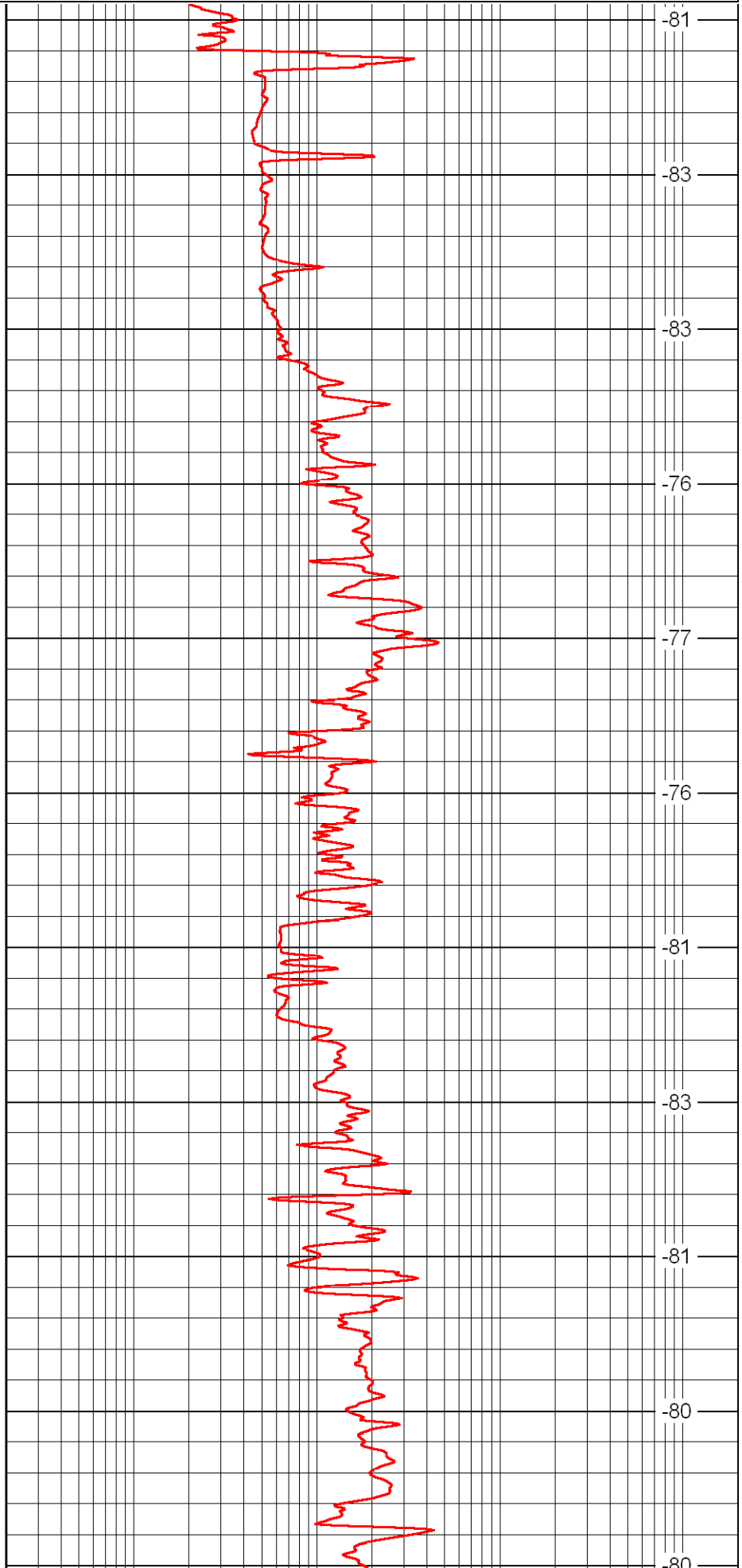
Arnold W 3, S 3, E Into

Database File: c:\warrior\data\pickrell_mollenkamp ab no. 1\pickrellhd.db
Dataset Pathname: rag/pick2in
Presentation Format: rag2in
Dataset Creation: Sun Oct 18 15:47:15 2009
Charted by: Depth in Feet scaled 1:600

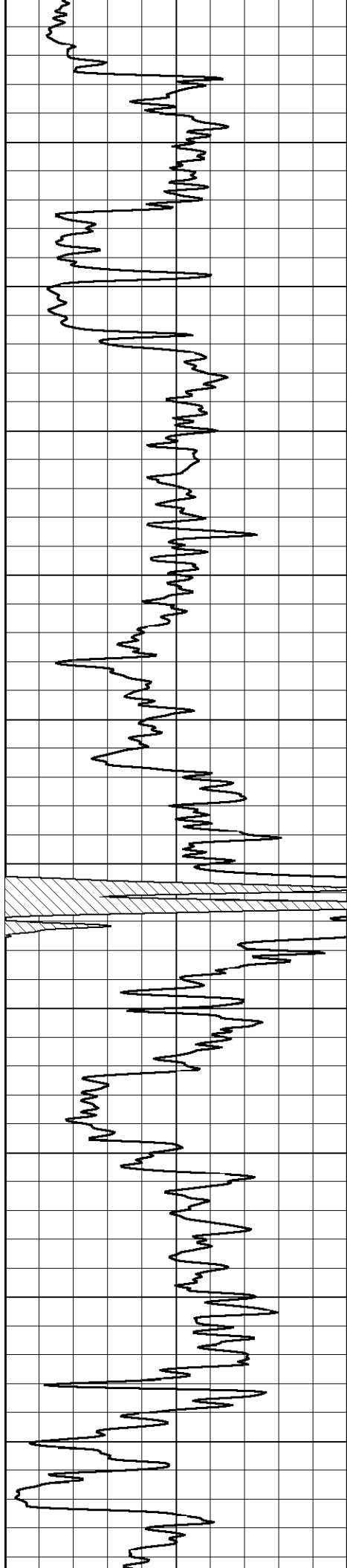
LSPD
(ft/min)



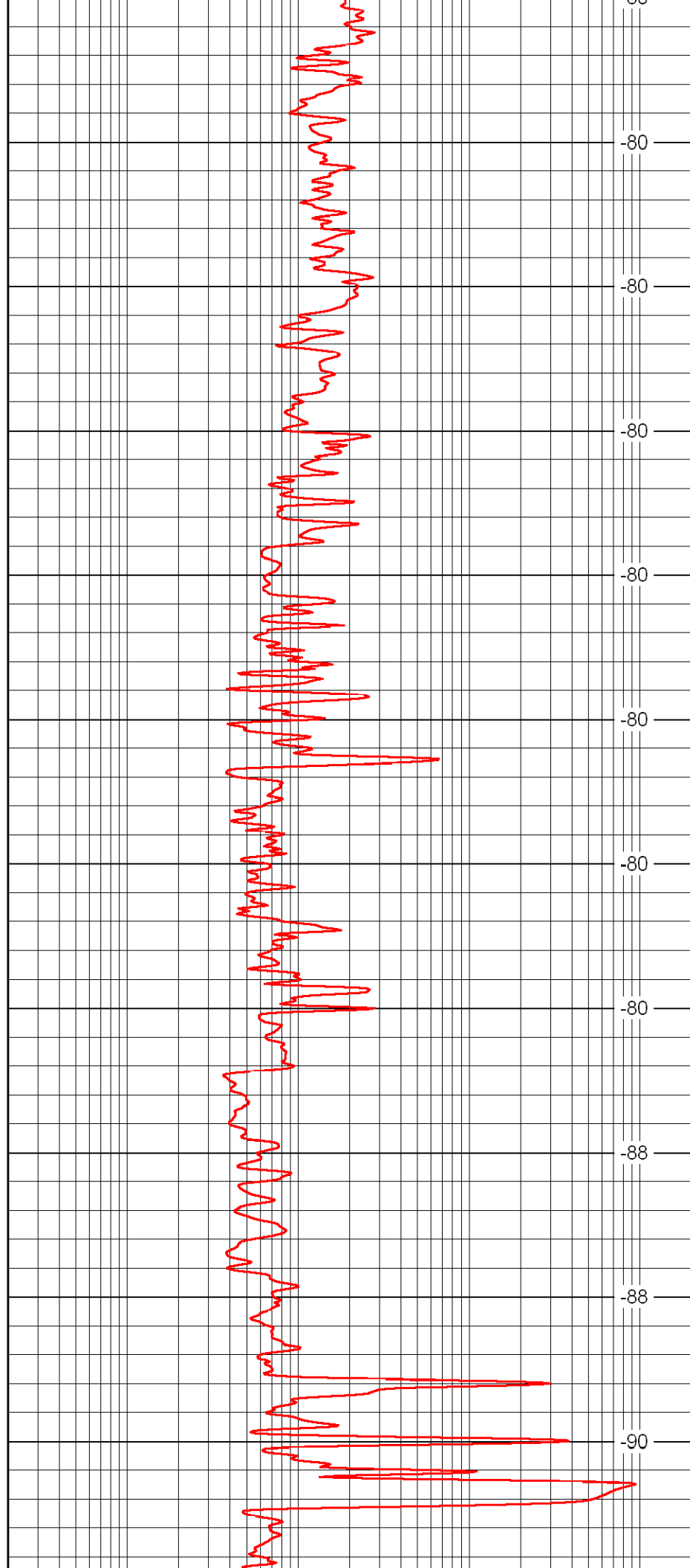
250
300
350
400
450
500
550
600
650
700
750

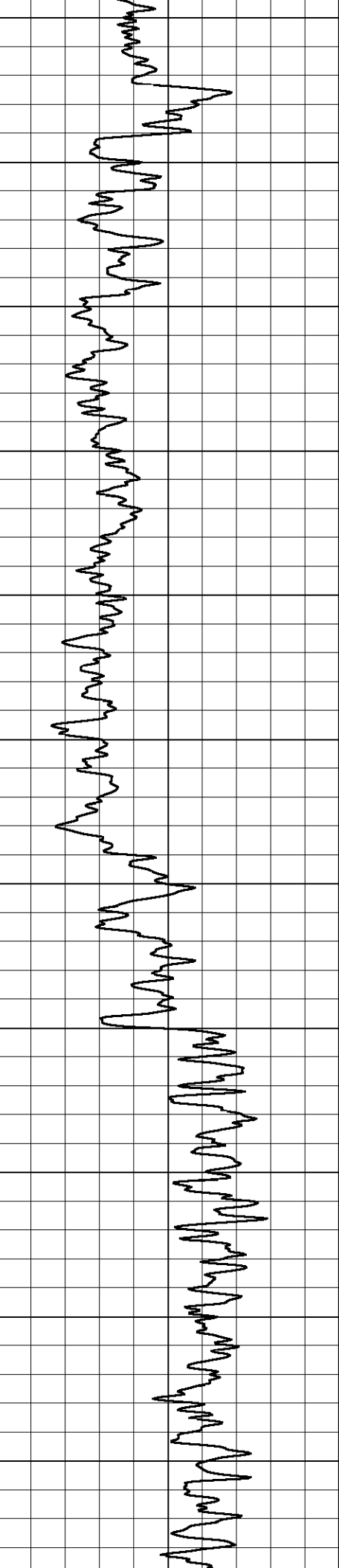


-81
-83
-83
-76
-77
-76
-81
-83
-81
-80
-80

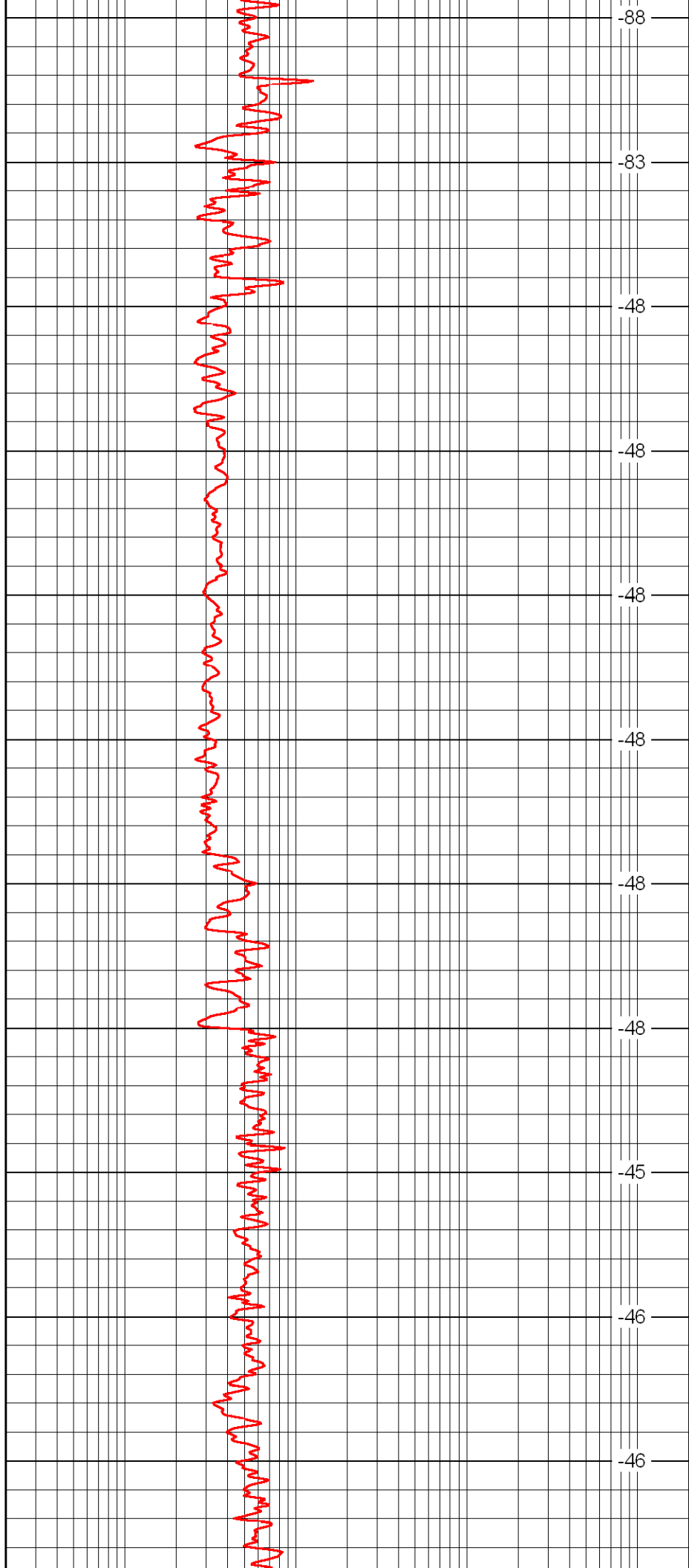


750
800
850
900
950
1000
1050
1100
1150
1200
1250

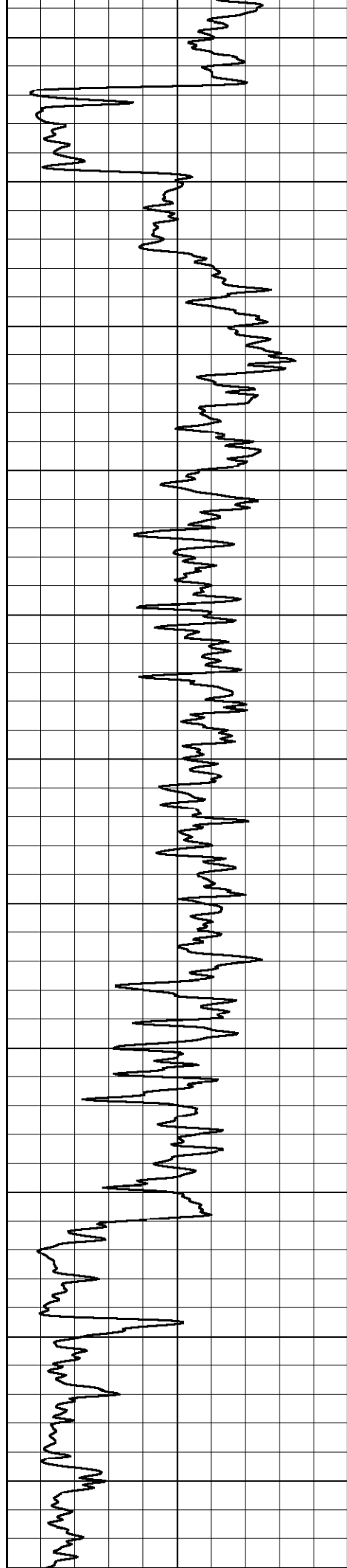




1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800



-88
-83
-48
-48
-48
-48
-48
-45
-46
-46



1850

1900

1950

2000

2050

2100

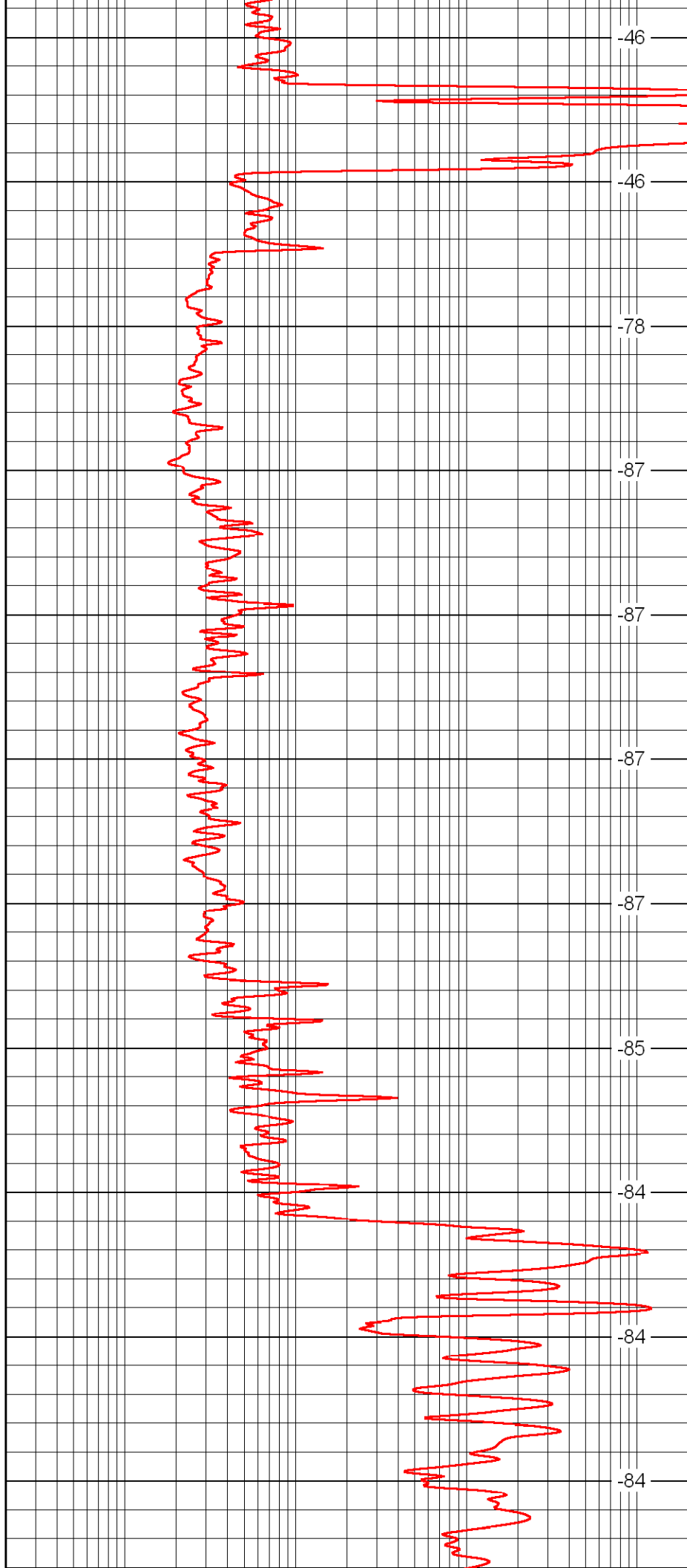
2150

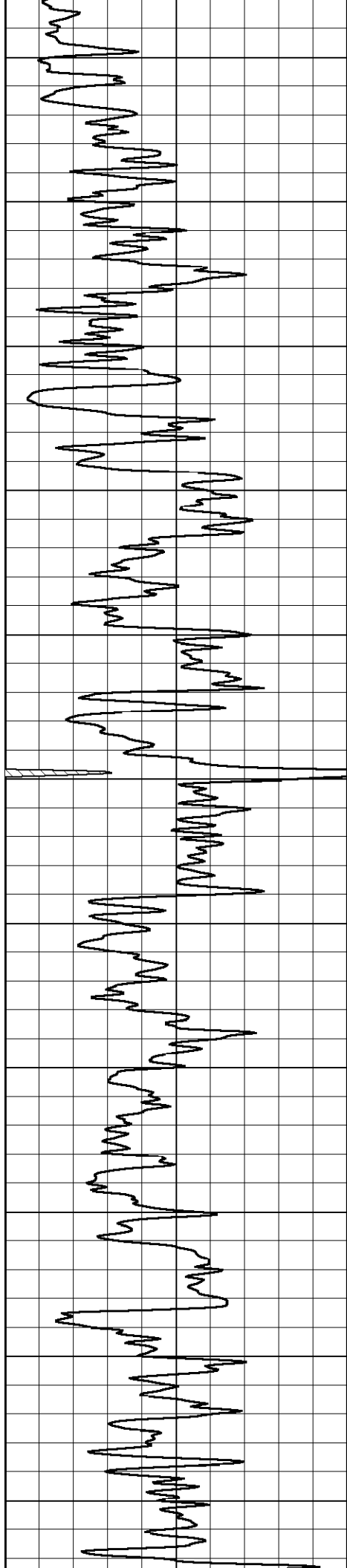
2200

2250

2300

2350





2400

2450

2500

2550

2600

2650

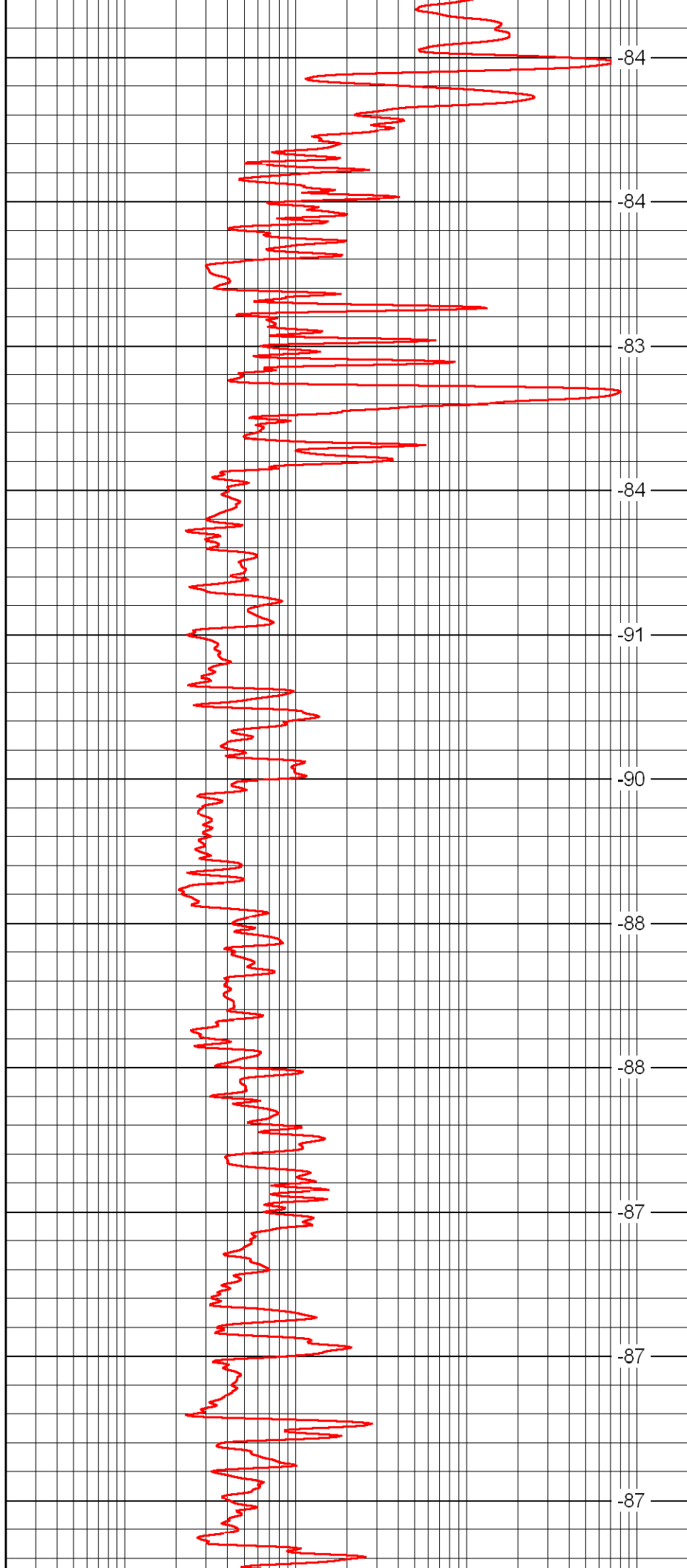
2700

2750

2800

2850

2900



-84

-84

-83

-84

-91

-90

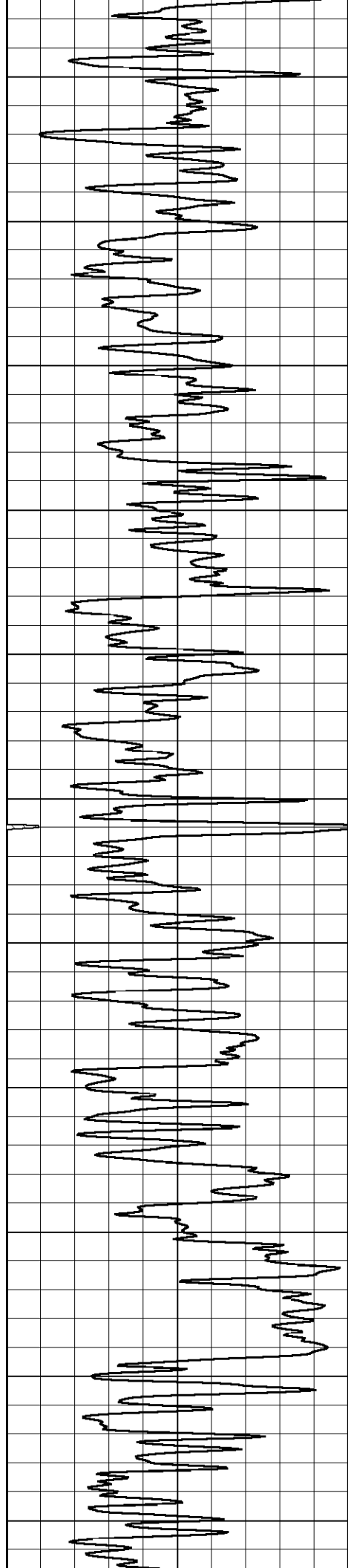
-88

-88

-87

-87

-87



2950

3000

3050

3100

3150

3200

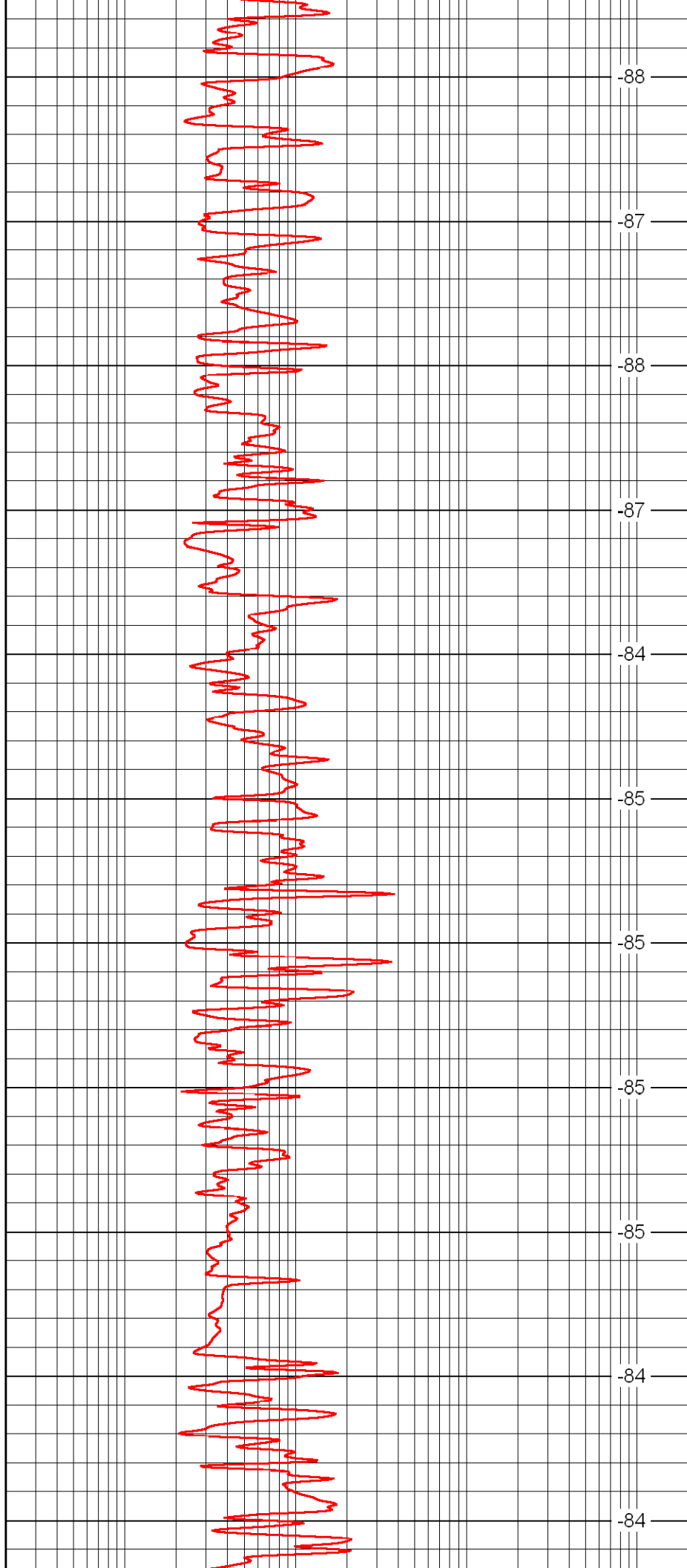
3250

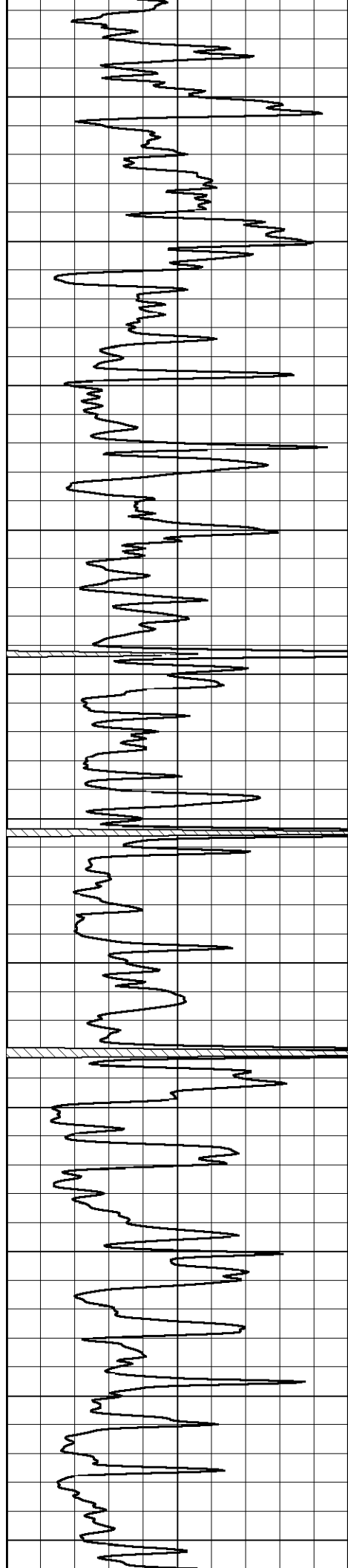
3300

3350

3400

3450





3500

3550

3600

3650

3700

3750

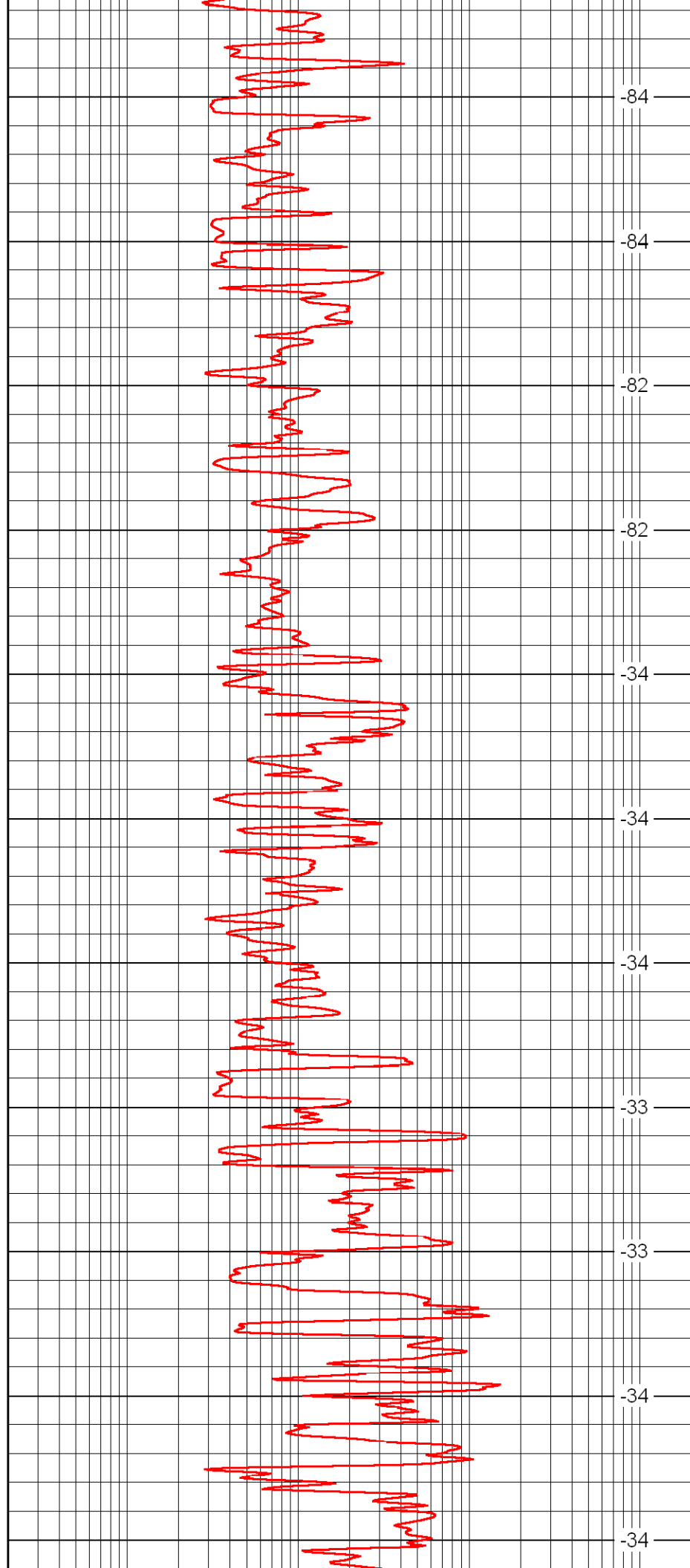
3800

3850

3900

3950

4000



-84

-84

-82

-82

-34

-34

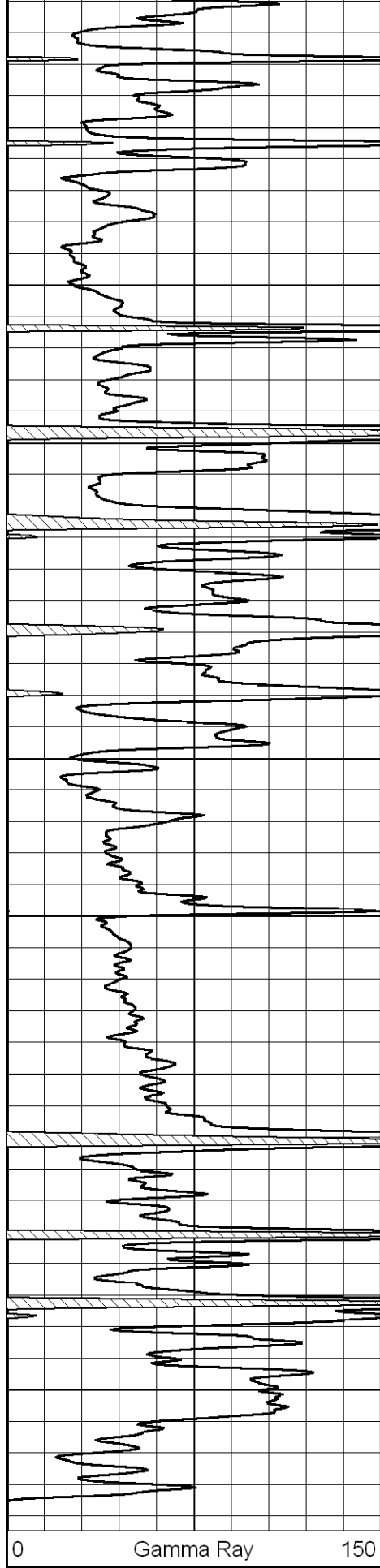
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-33

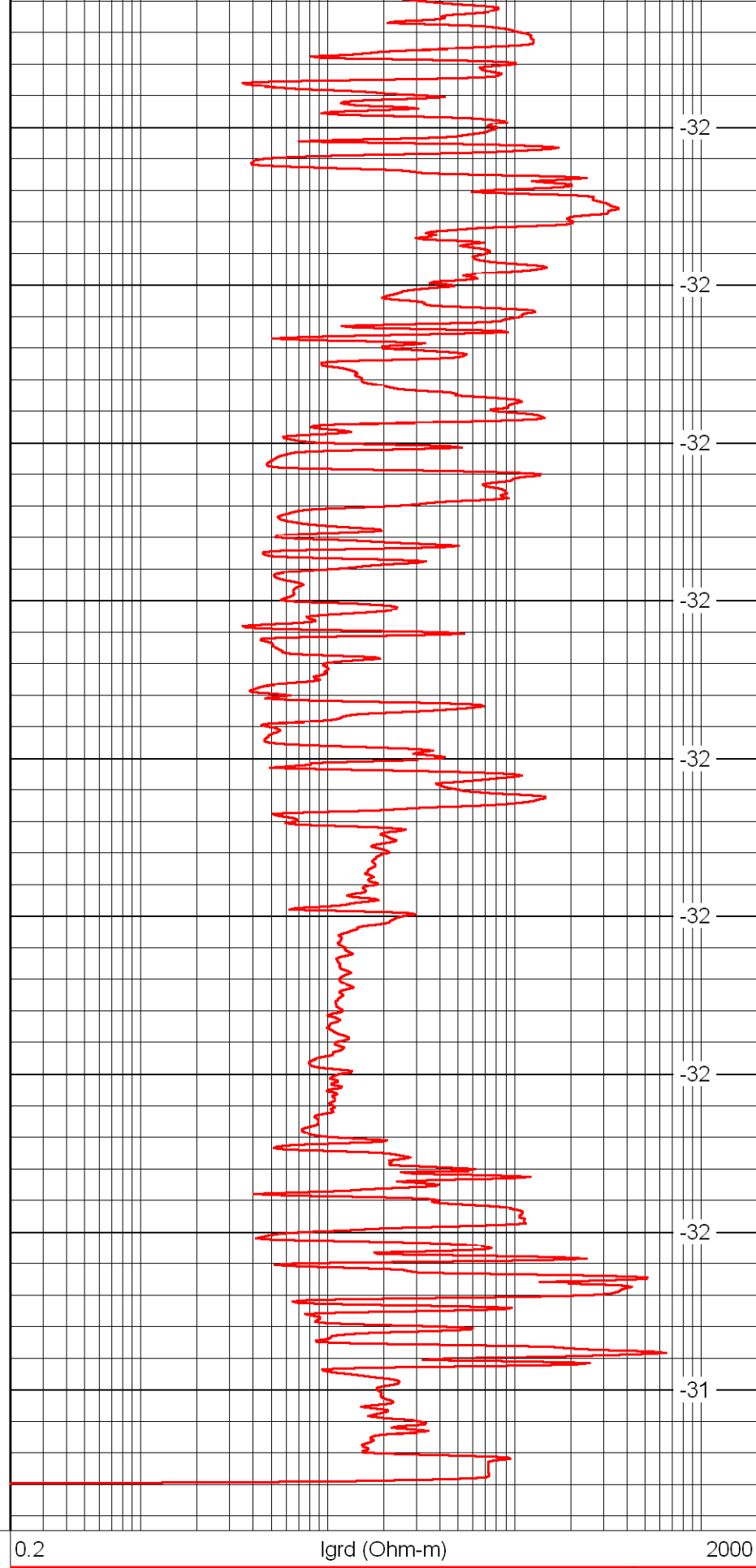
-33

-34

-34



4050
4100
4150
4200
4250
4300
4350
4400
4450



-32
-32
-32
-32
-32
-32
-32
-32
-31

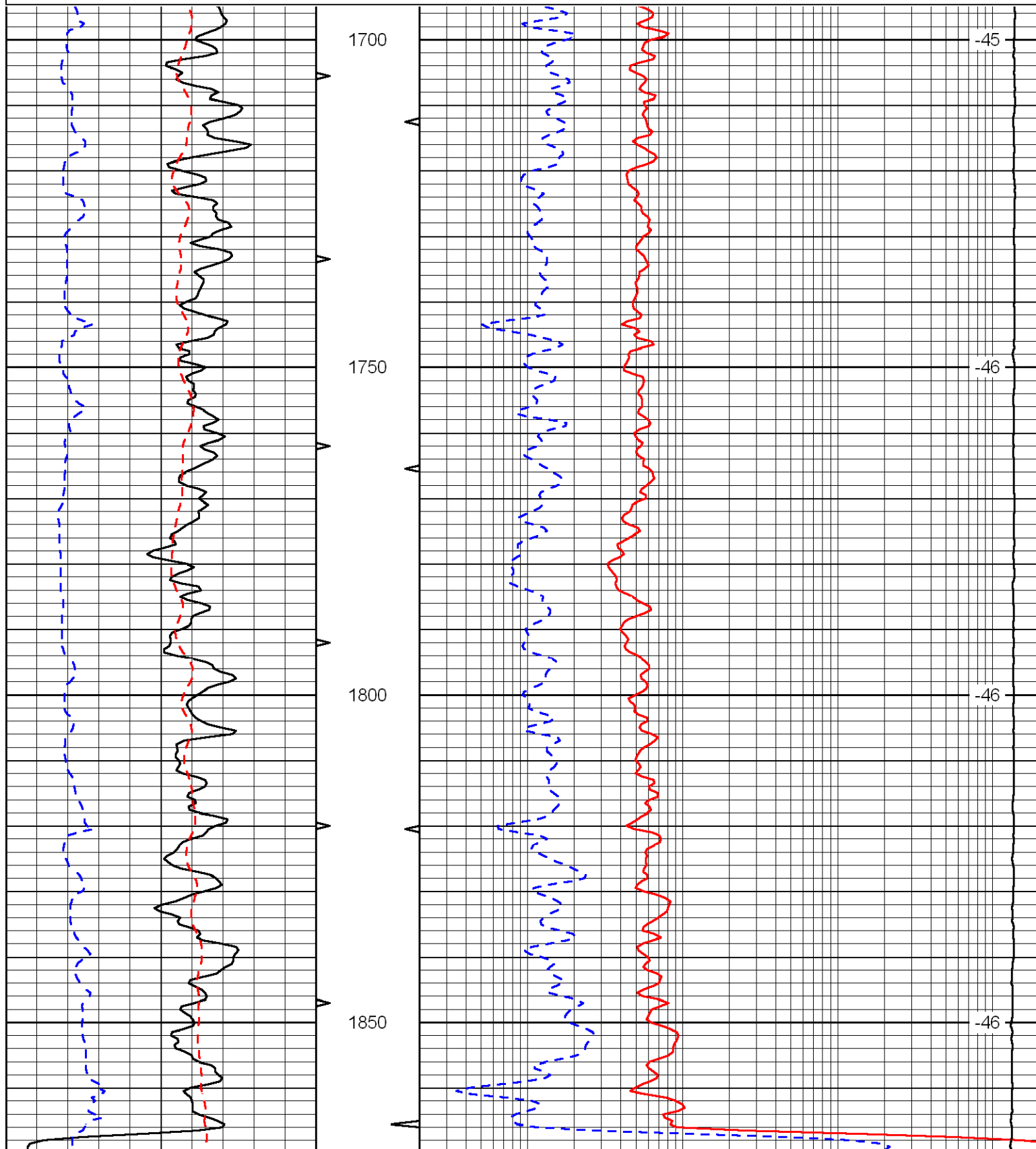
0 Gamma Ray 150

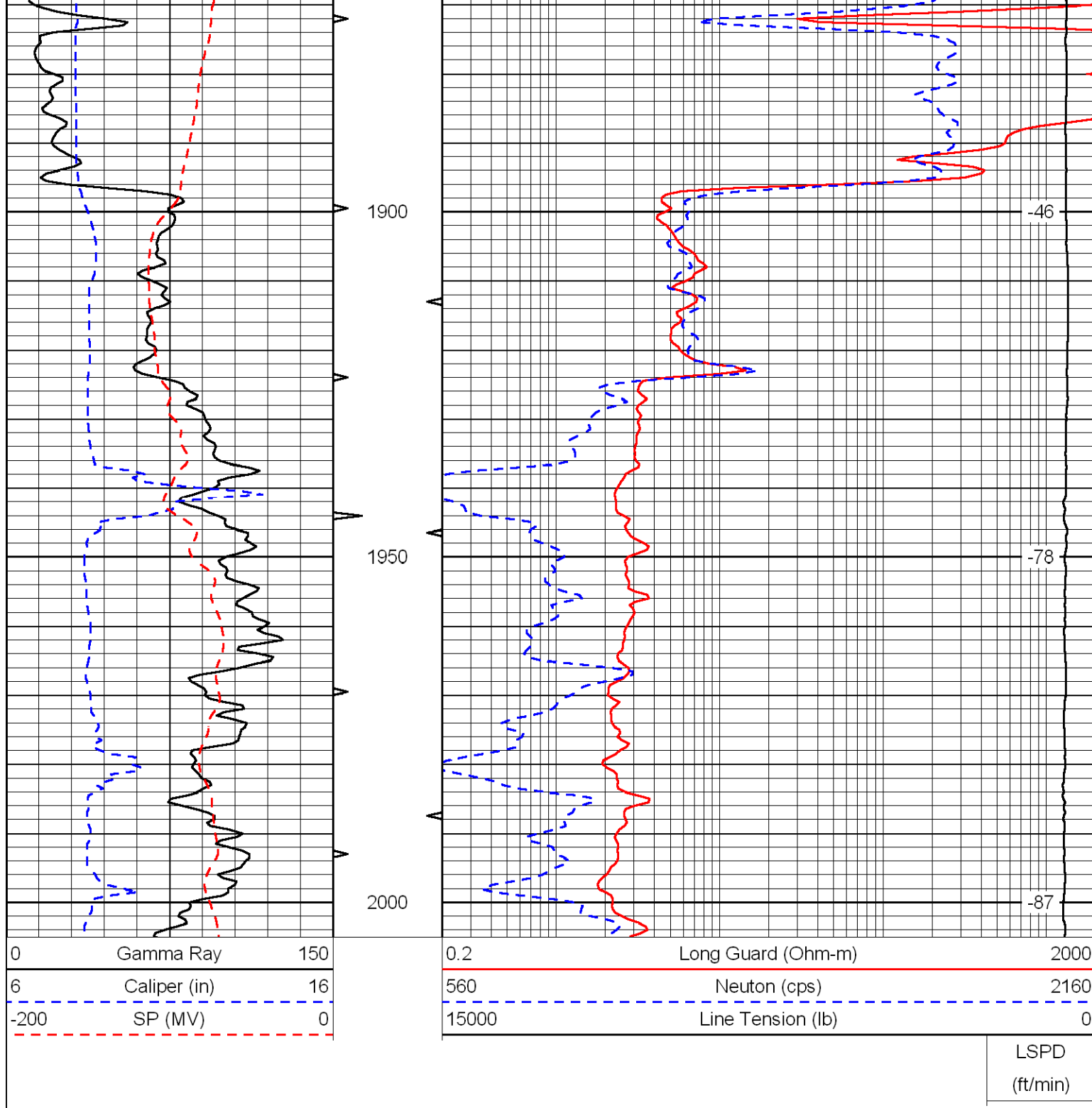
0.2 lgrd (Ohm-m) 2000

LSPD
(ft/min)

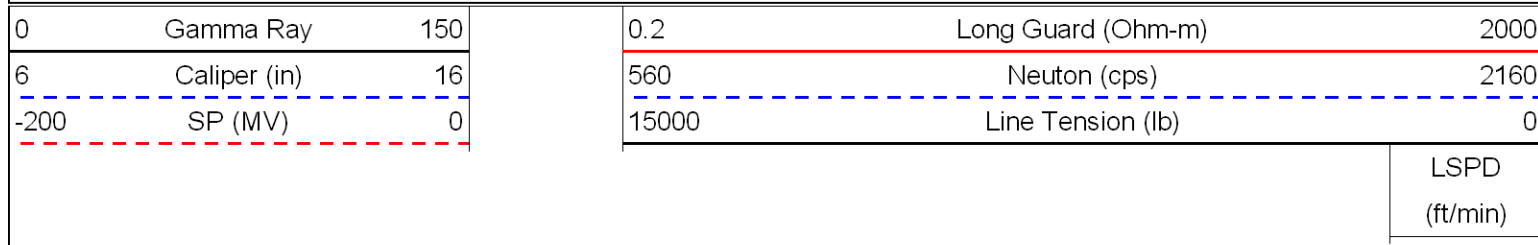
Database File: c:\warrior\data\pickrell_mollenkamp ab no. 1\pickrellhd.db
Dataset Pathname: rag/pick2in
Presentation Format: rag
Dataset Creation: Sun Oct 18 15:47:15 2009
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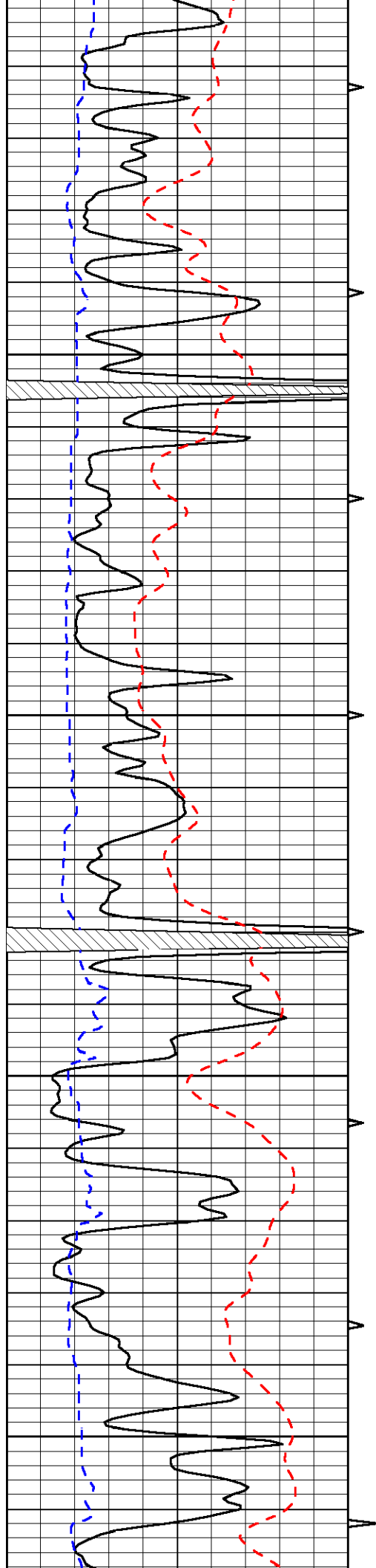
0	Gamma Ray	150	0.2	Long Guard (Ohm-m)	2000
6	Caliper (in)	16	560	Neutron (cps)	2160
-200	SP (MV)	0	15000	Line Tension (lb)	0
					LSPD (ft/min)





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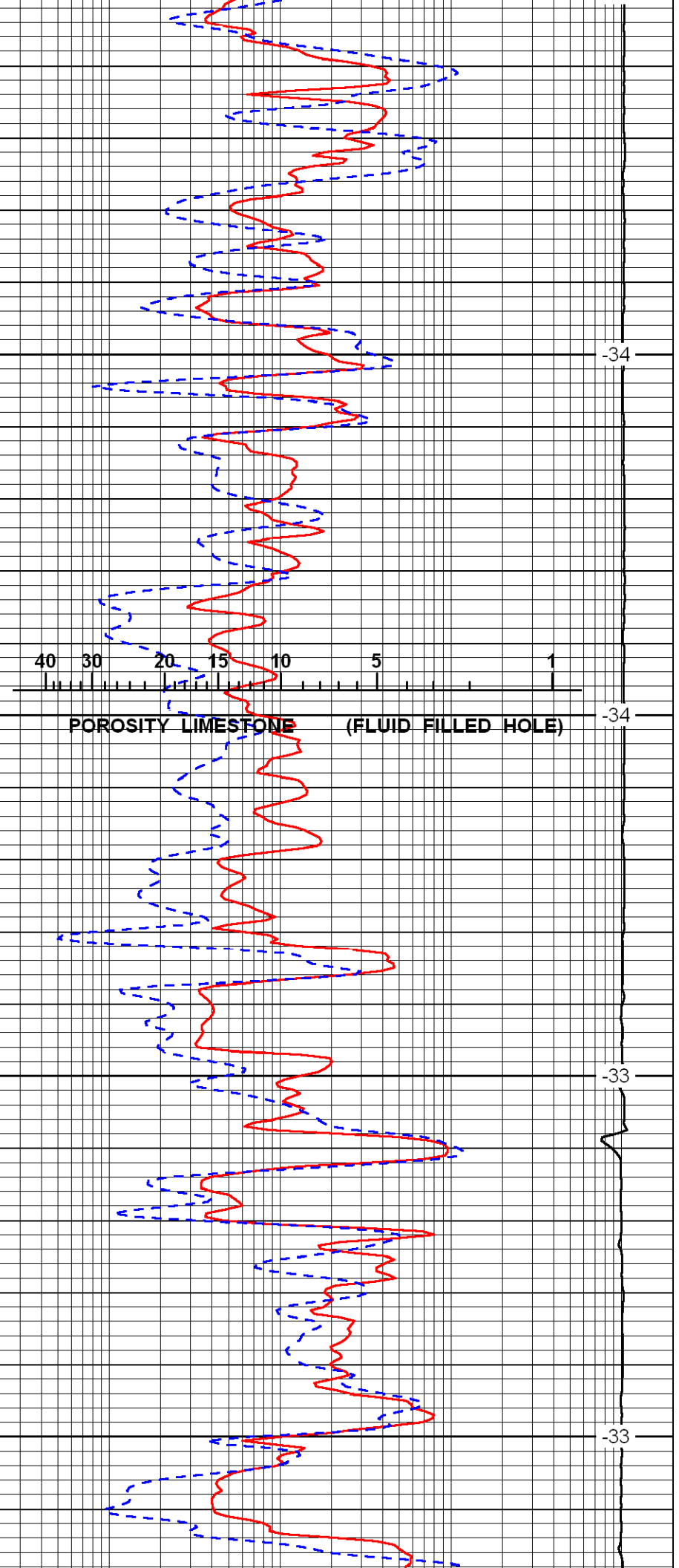


3750

3800

3850

3900



-34

-34

-33

-33

40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)

