



DDC
DDC
3222 North 6th Mile Road
Casper, WY 82604

RM-140865

5":100' - MD
9/1/2014 10:51:59 AM

Oper. Company: Noble Energy Inc
Country: USA
State / Province: Colorado
County / Parish: Weld
Started: 08/28/2014 10:30 PM

API/UWI: 05-123-38851
Field: Wattenberg
Well: Cutthroat LC28-77HNB
Rig: H&P 326
Ended: 09/01/2014 10:00 AM

Personnel

Day Hand: Bob Kubistek
Night Hand: Chris Abbt
Comp. Emp: Bob Kubistek

Location

Latitude: 40° 42' 53.964 N
Longitude: 103° 59' 13.560 W
Elev. GL: 4853
Elev. DF: 30
Elev. KB: 4883

Hole Data

Size	From	To
13 3/4"	0	640
8 3/4"	640	6485
6 1/8"	6485	10368

Casing Data

Size	From	To
9 5/8"	0	640
7"	0	6485
4 1/2"	6485	10368

Bit Sizes

Size	From	To
13 3/4"	0	640
8 3/4"	640	6485
6 1/8"	6485	10368

Mud Data

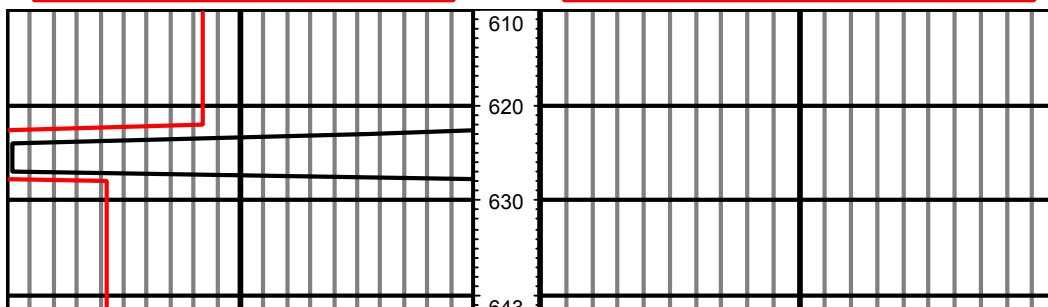
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LSND	10.5		38				0	10368

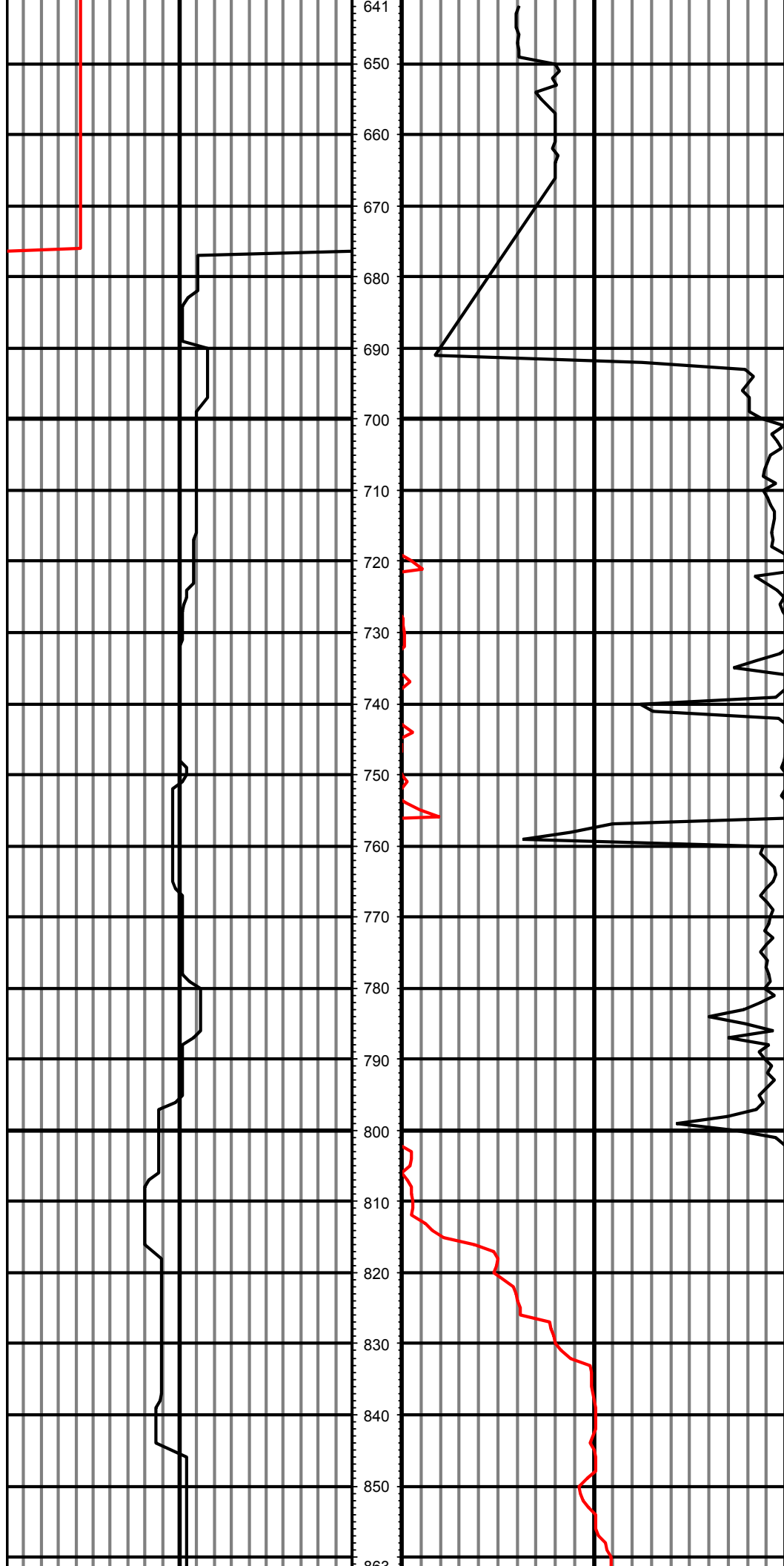
Tool Run Data

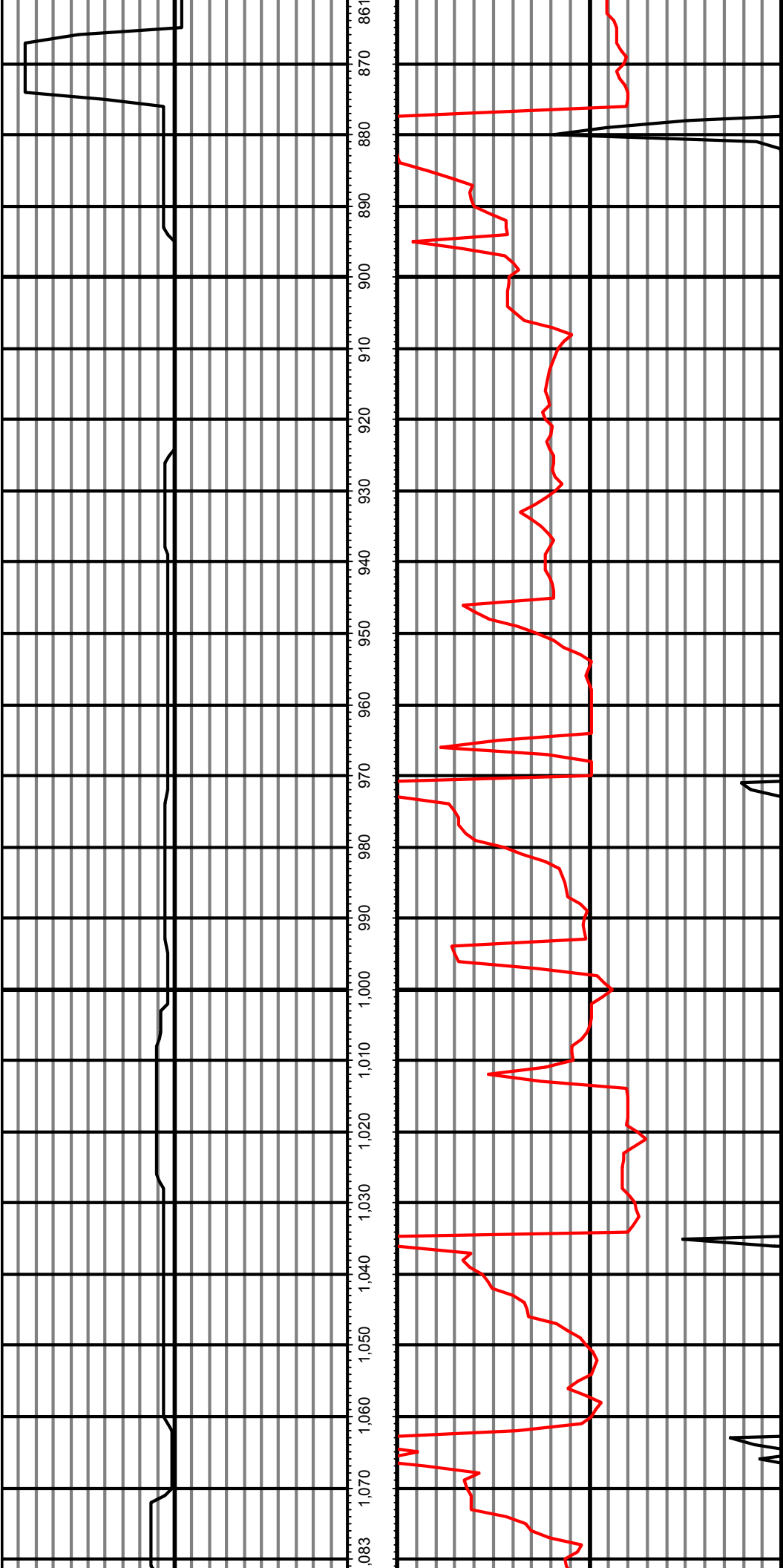
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424	51	0	8/31/2014 12:30:07 AM	6485	9/1/2014 10:00:07 AM	10368

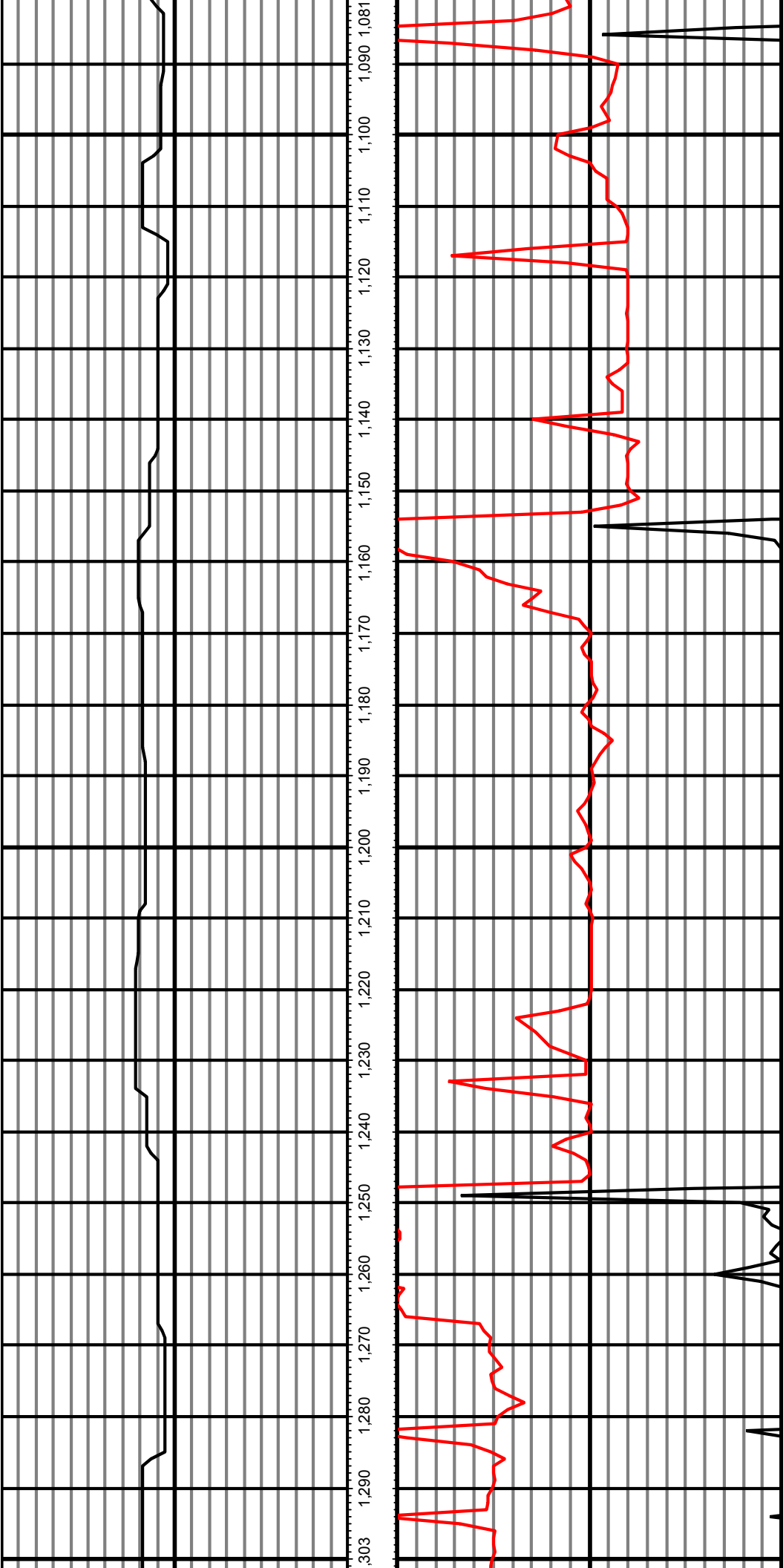
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

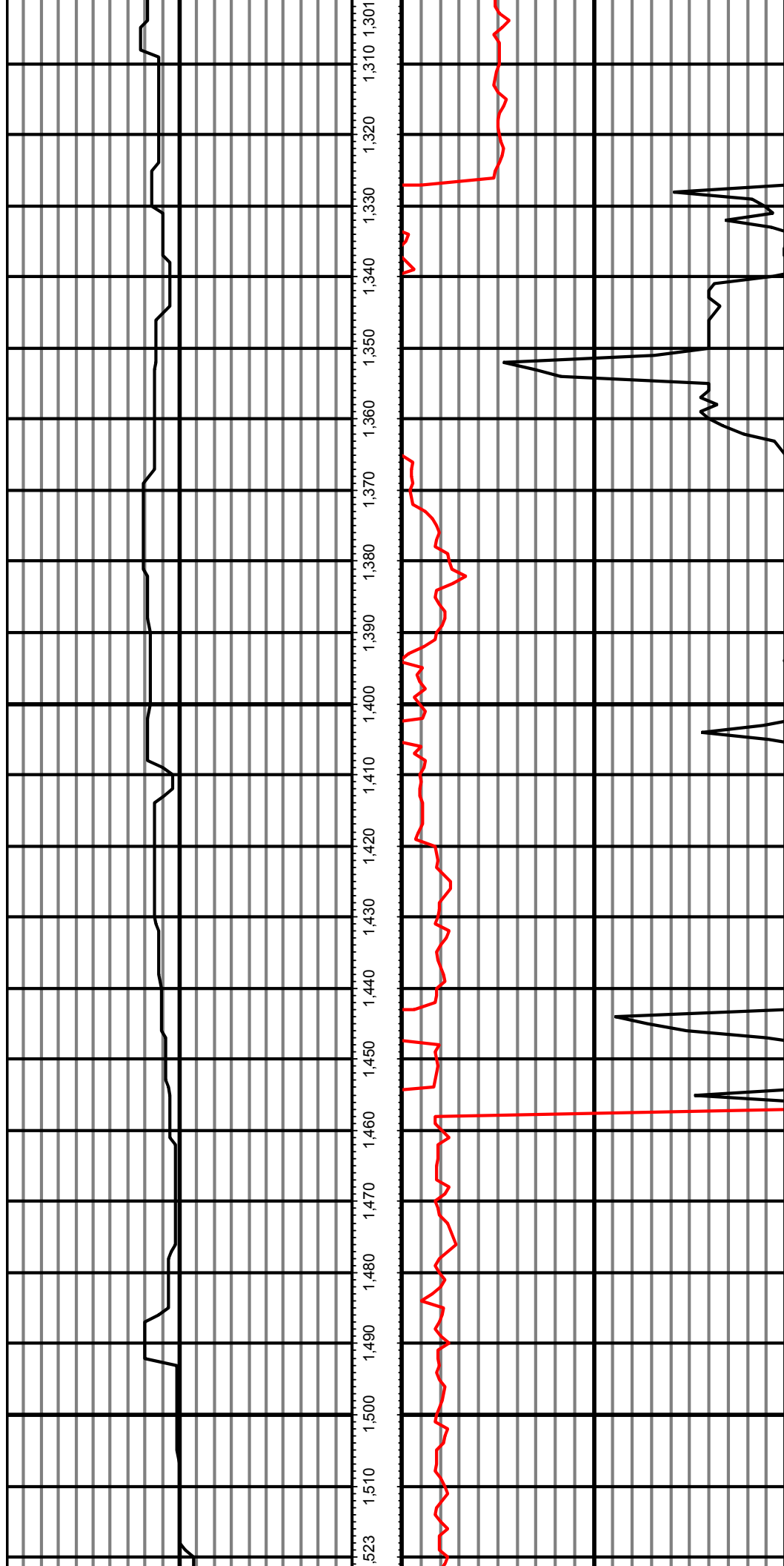
0.00 GR(API) 150.00 MD 0.00 ROP(FT/HR) 1,000.00
150.00 2 300.00 FT 1,000.00 2 2,000.00

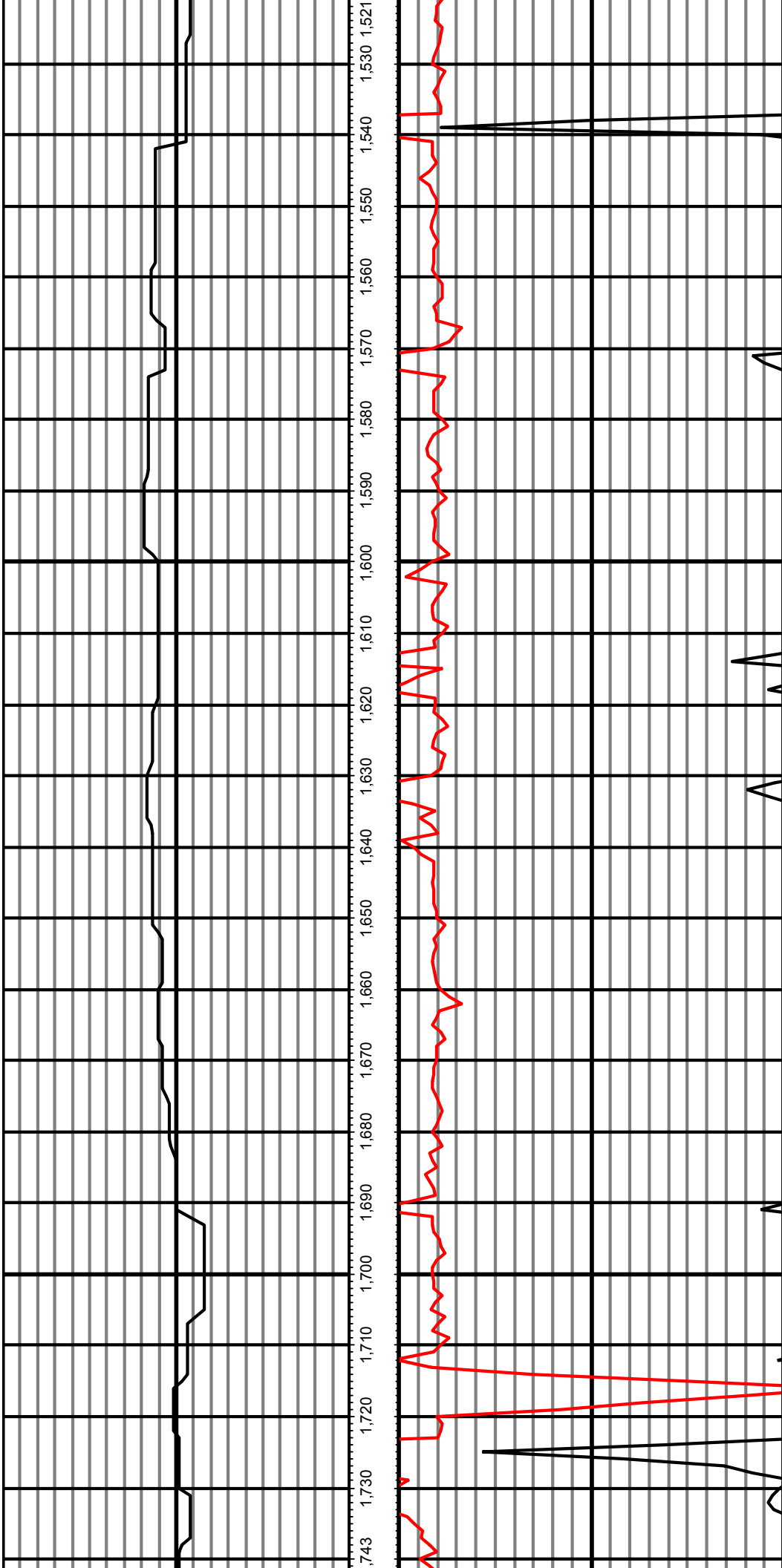


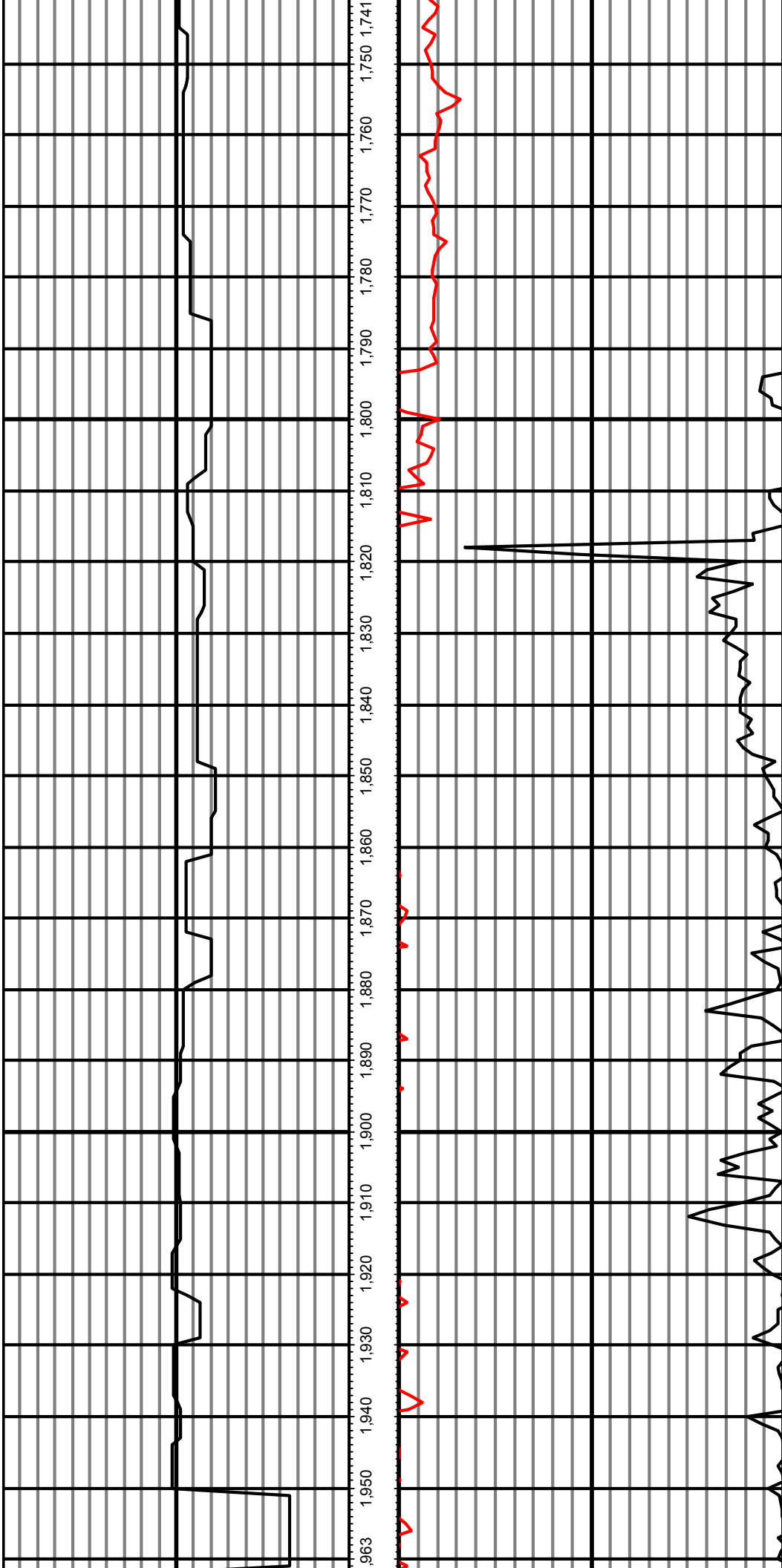


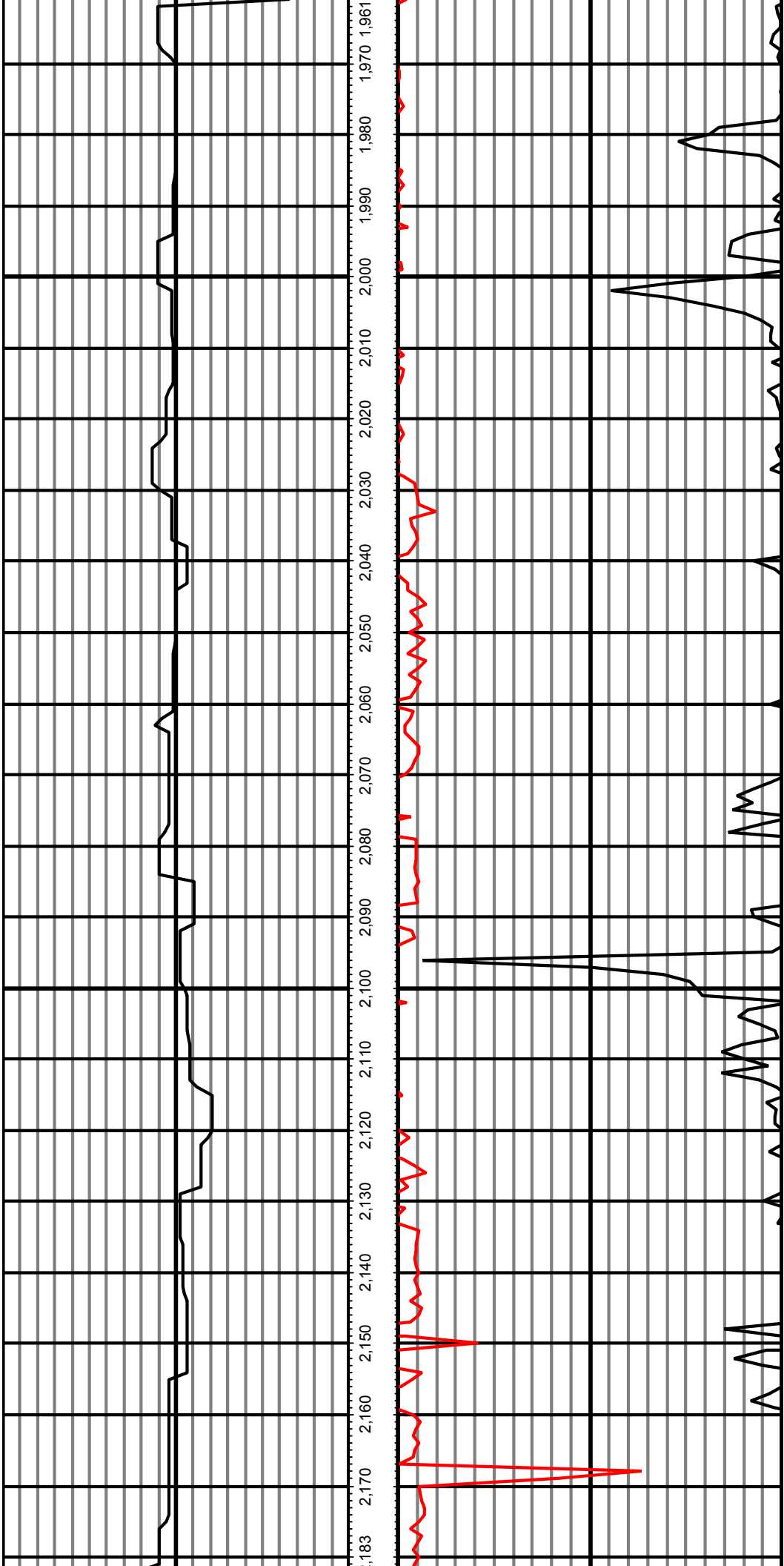


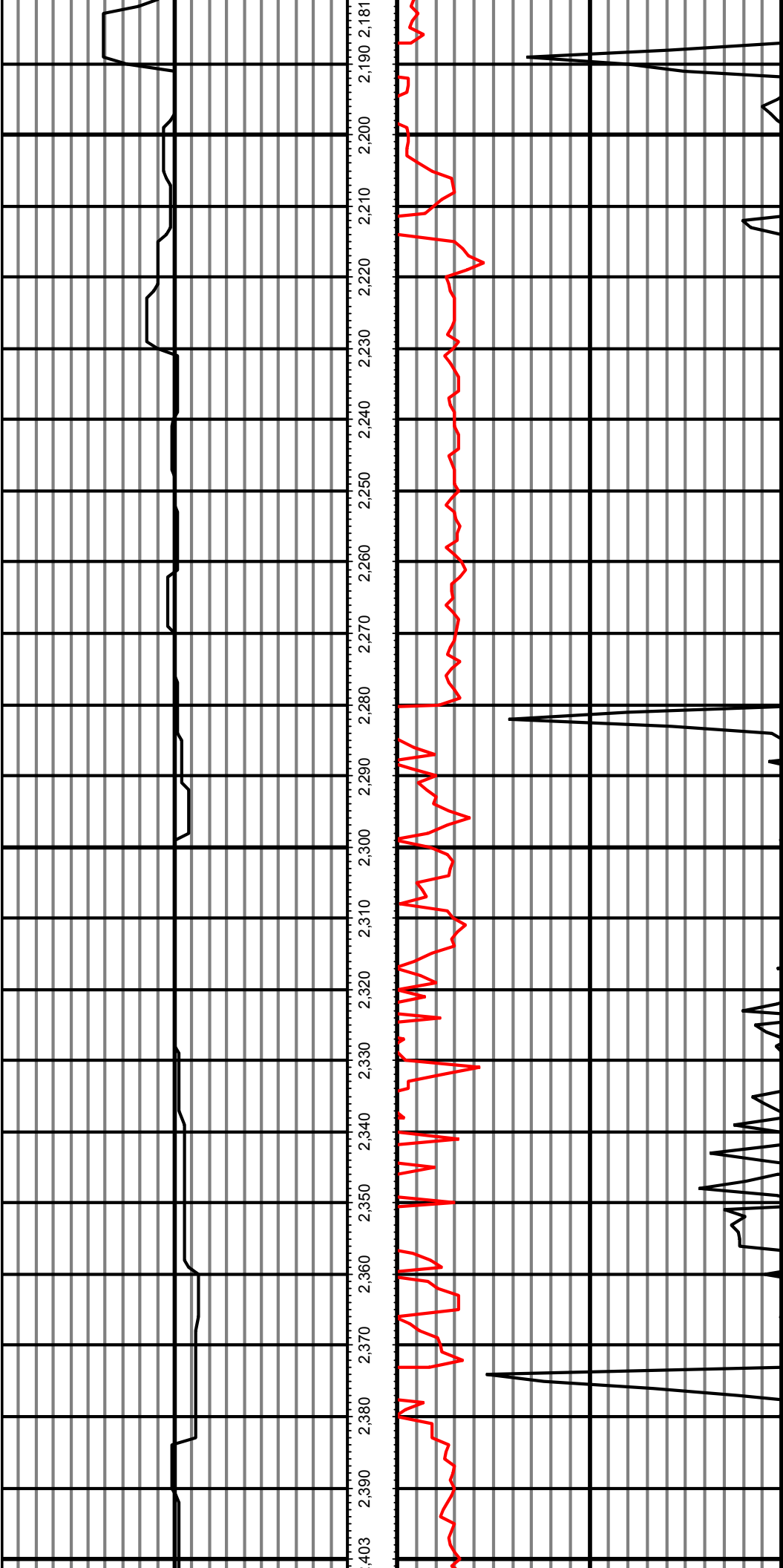


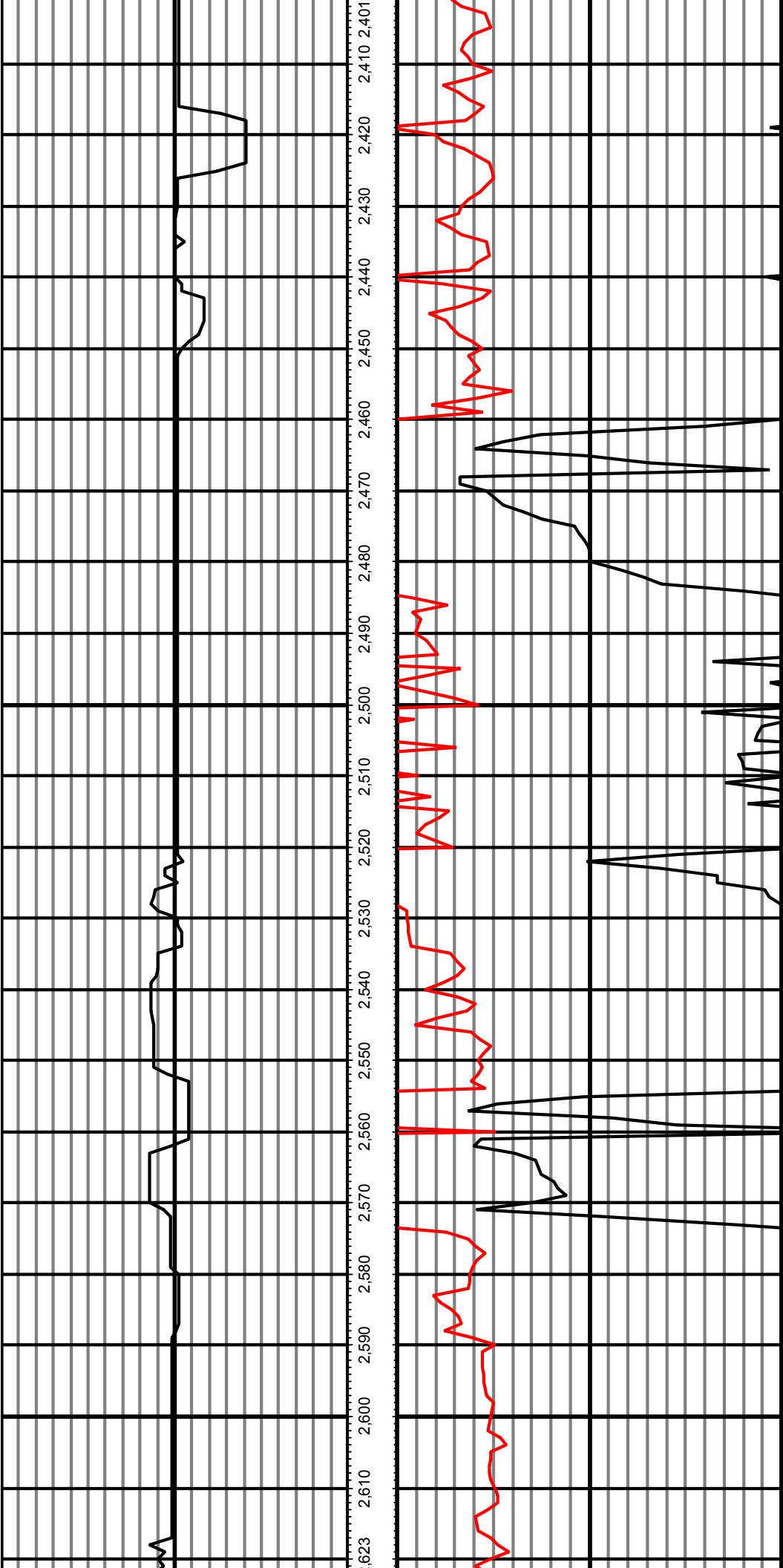


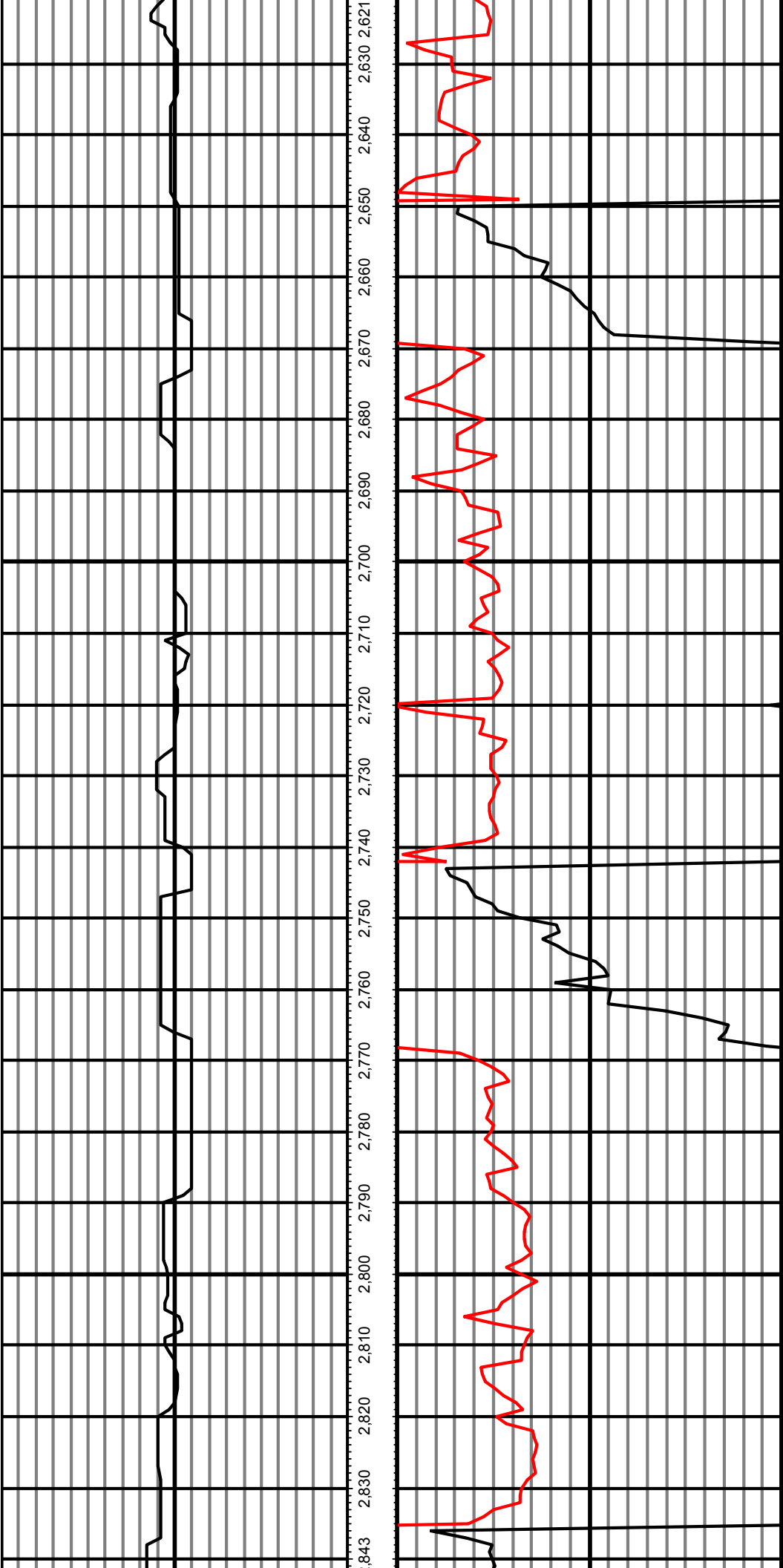


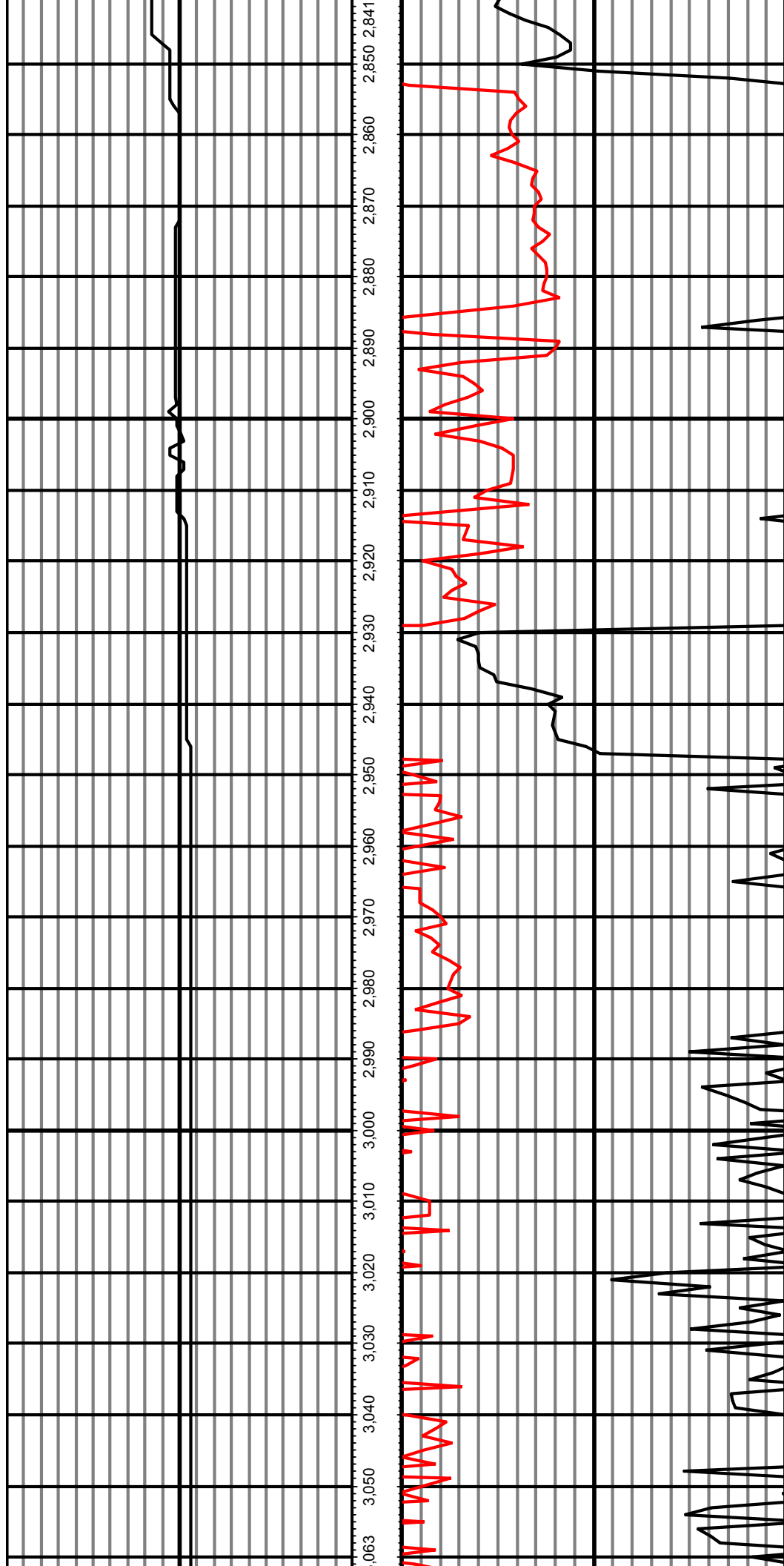


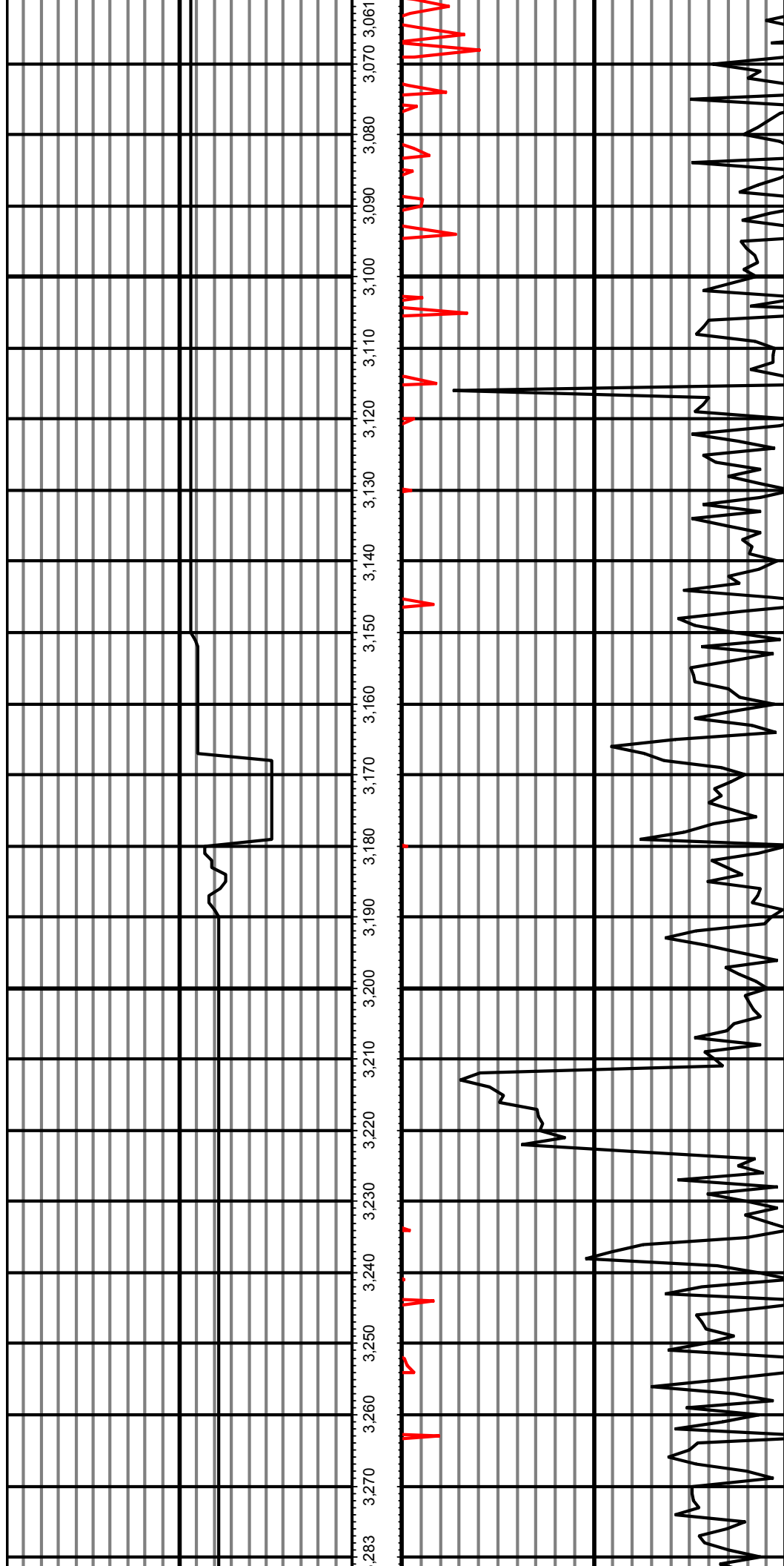


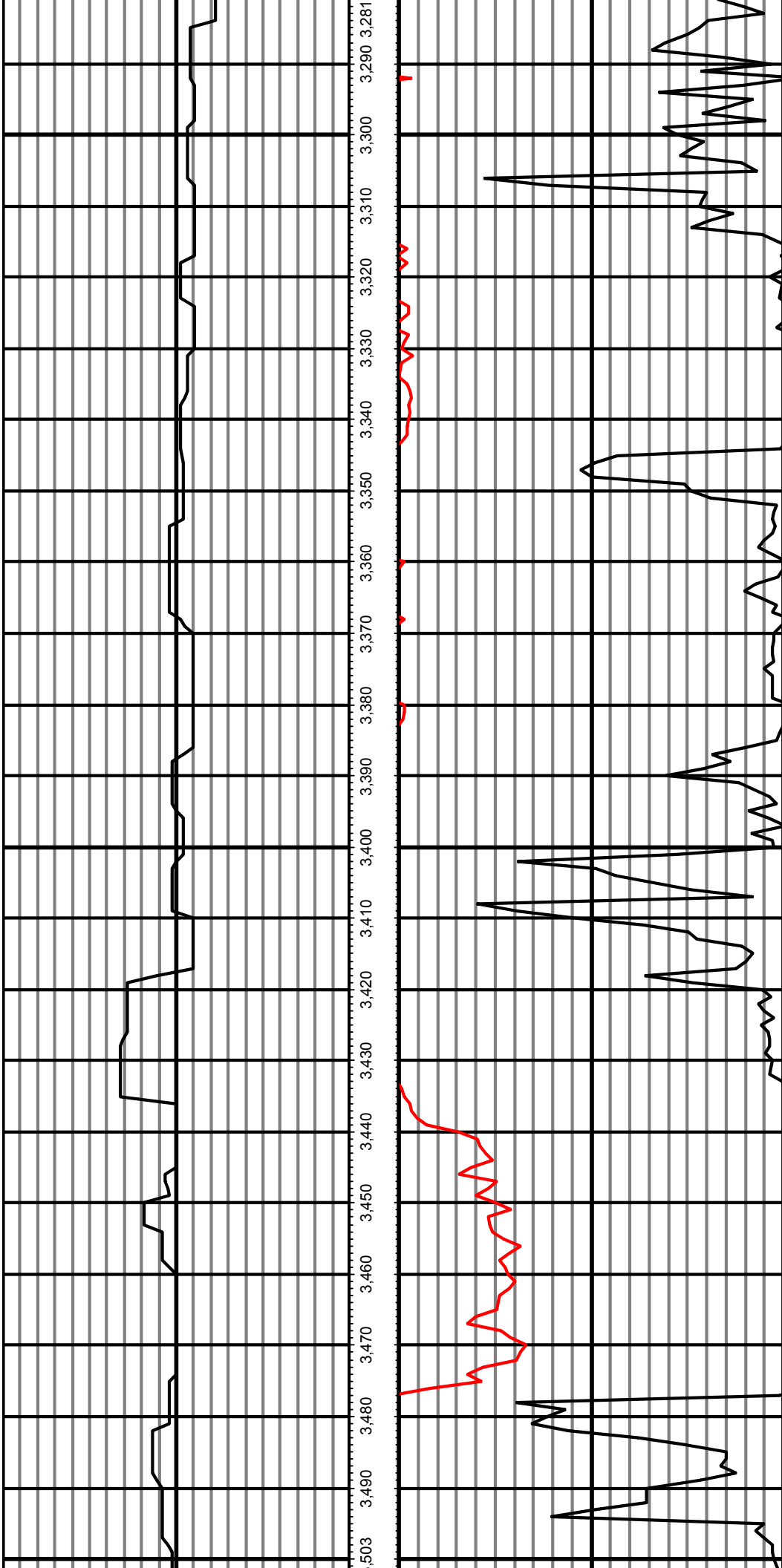


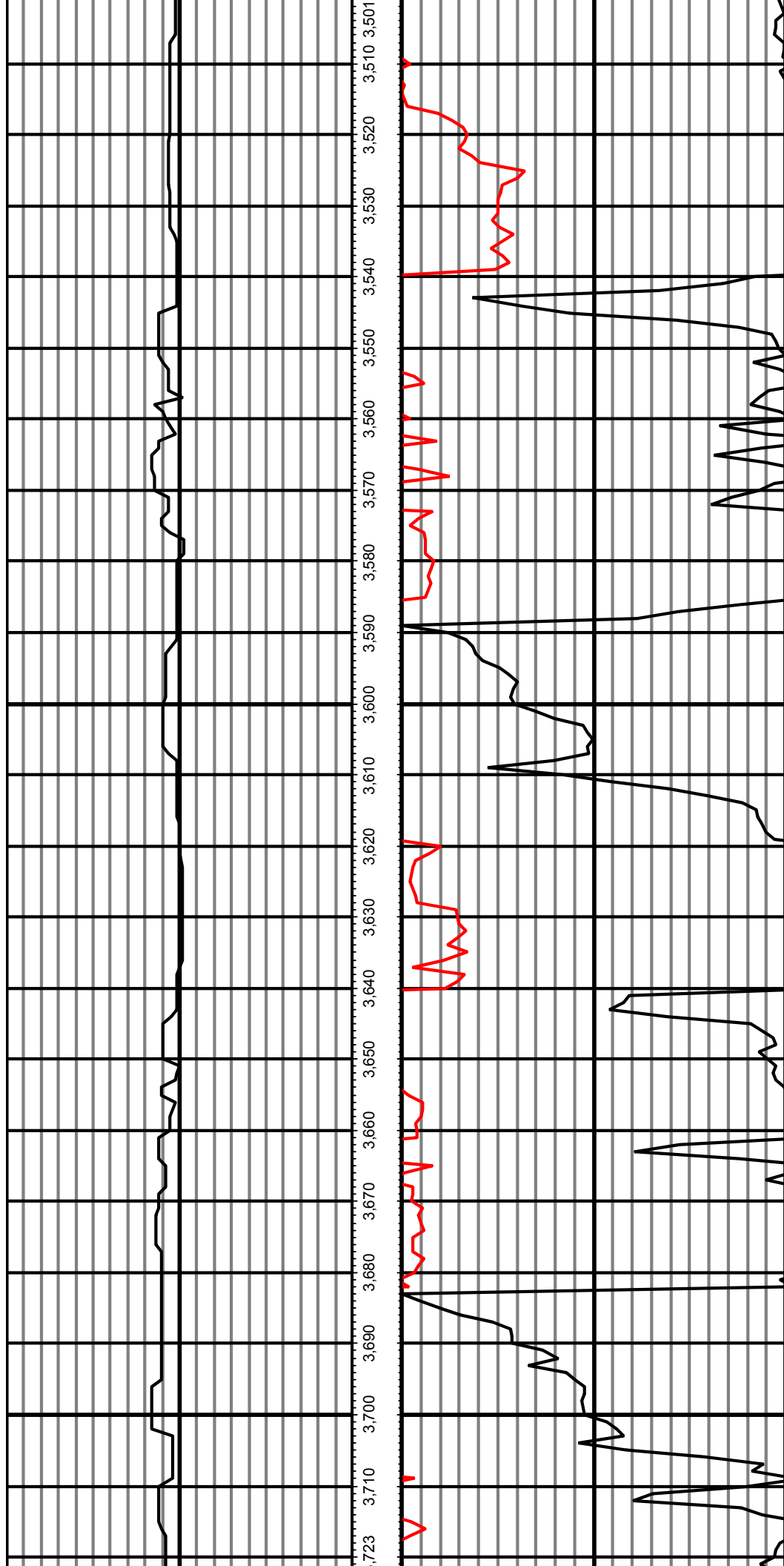


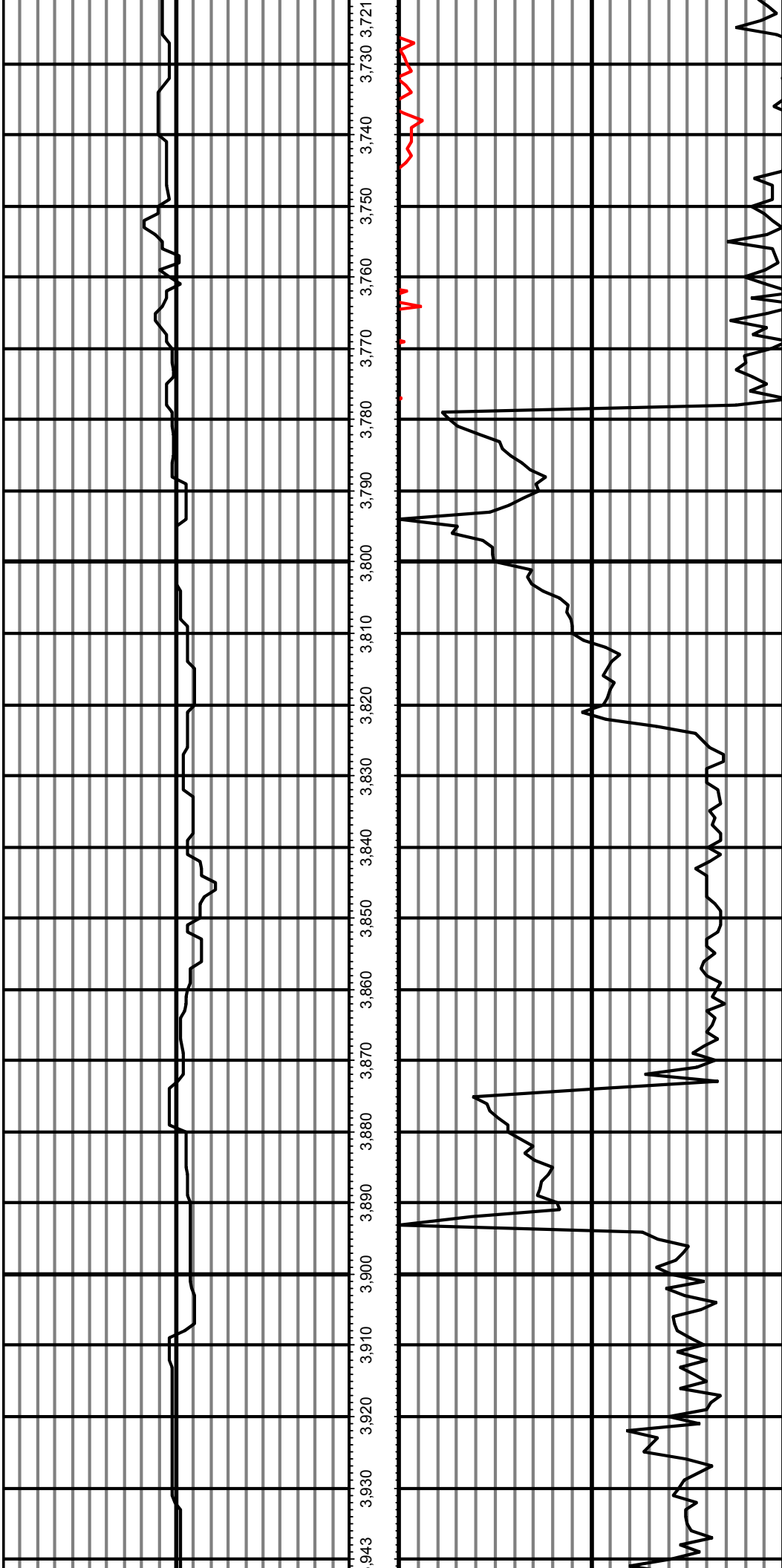


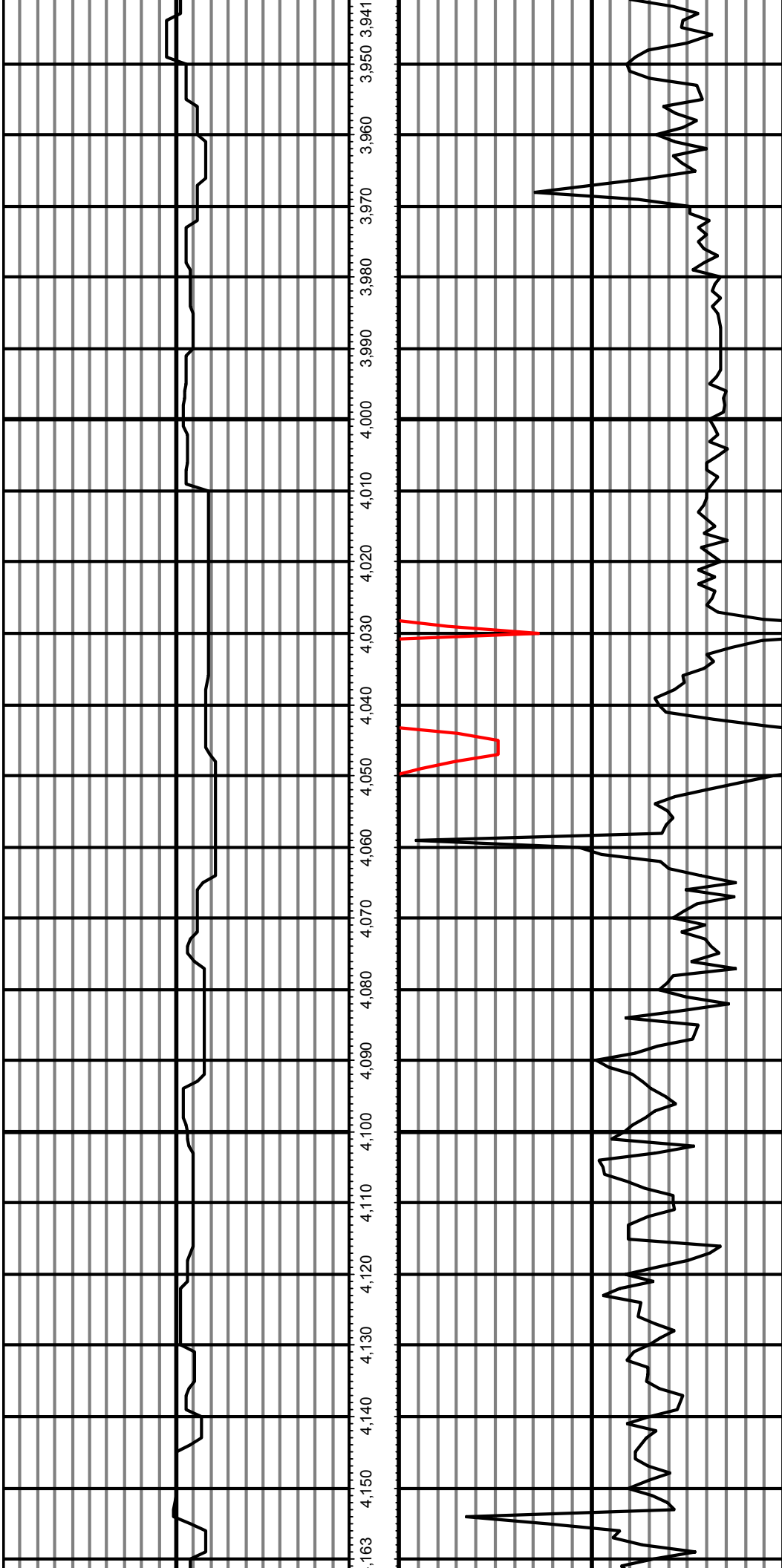


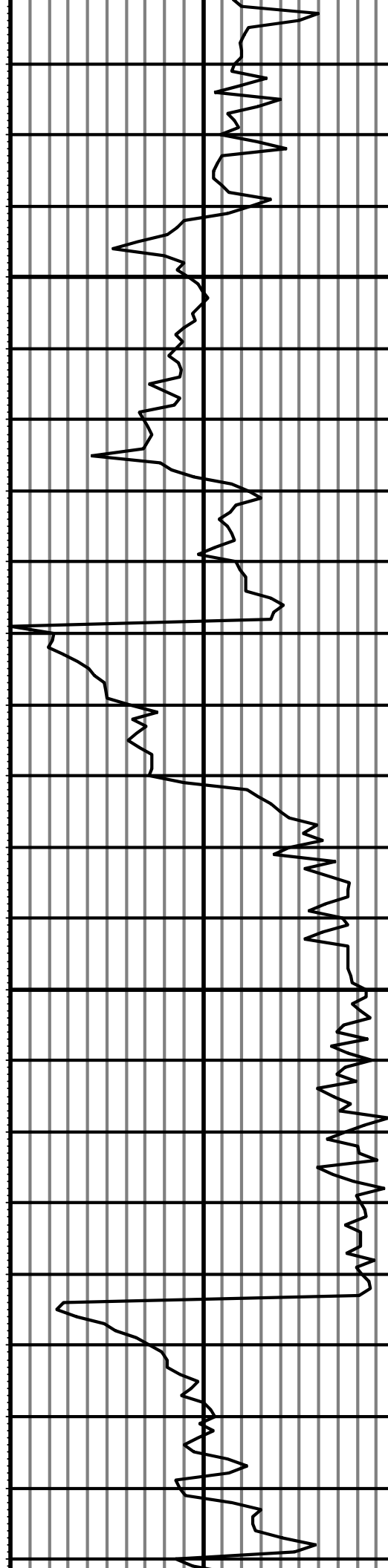
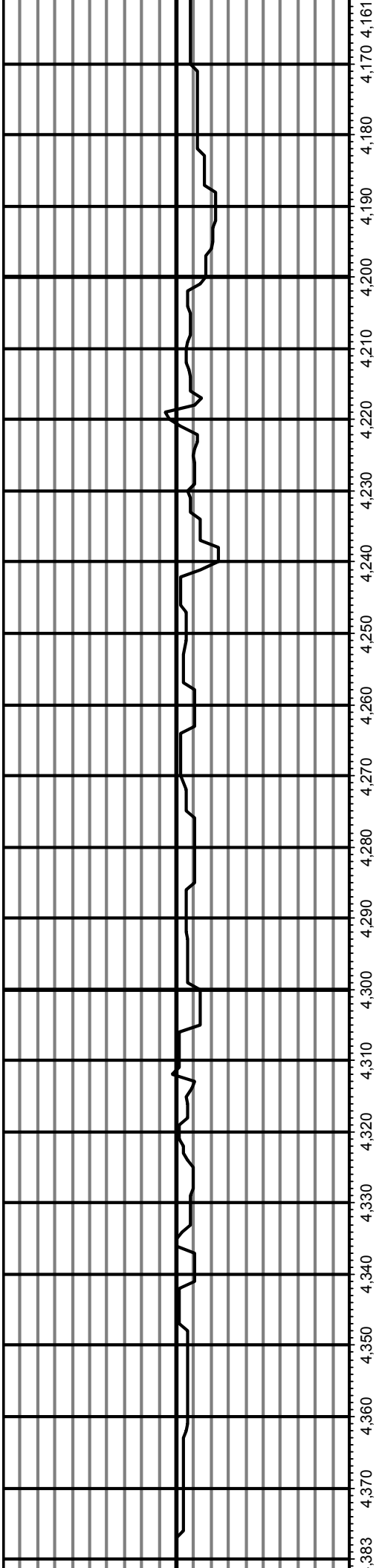


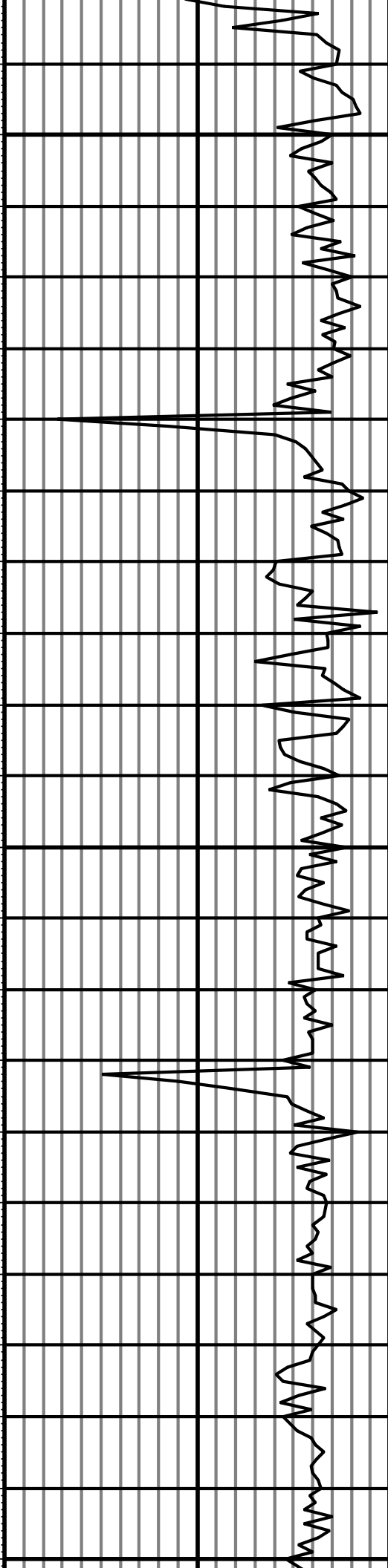
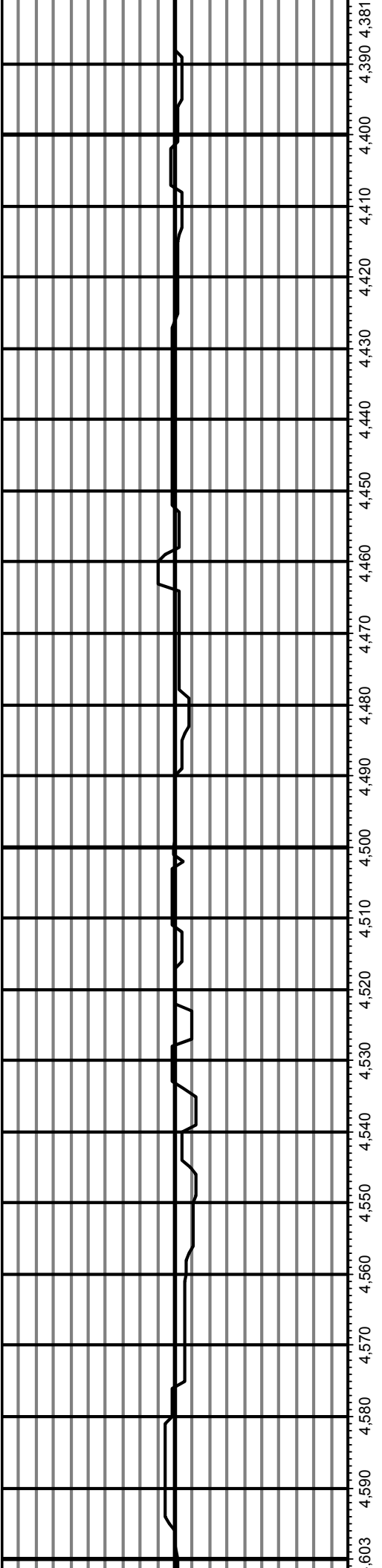


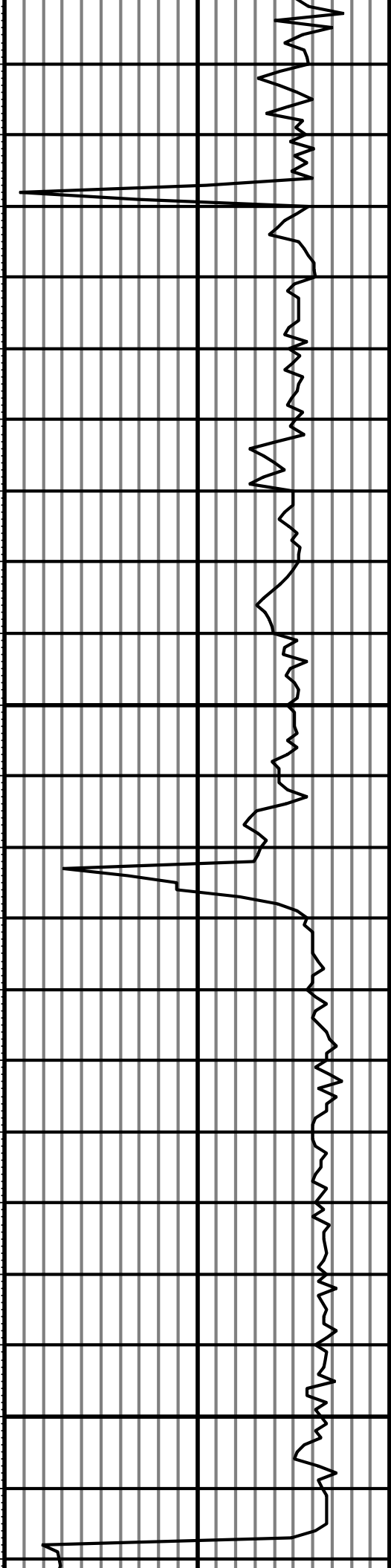
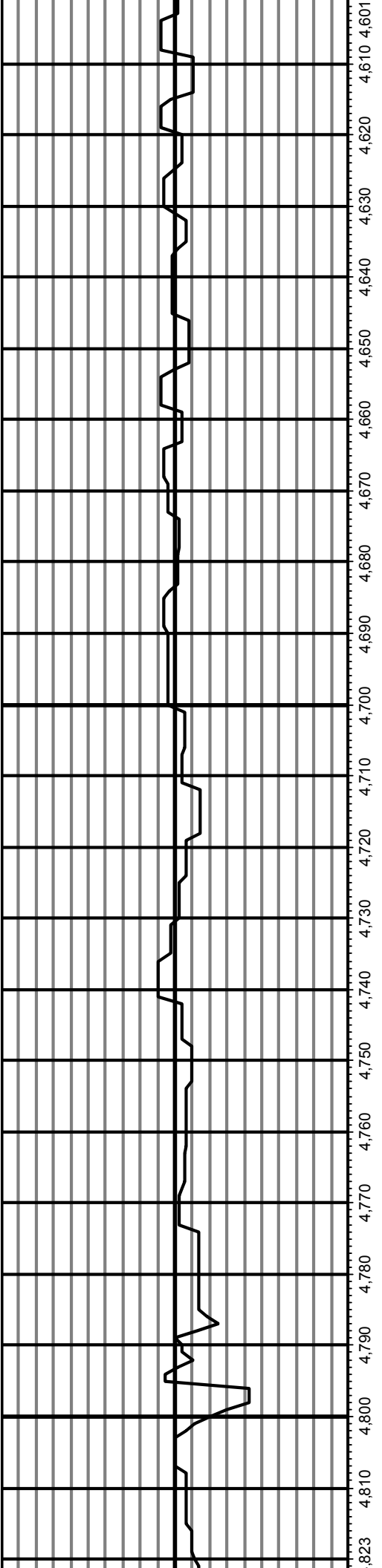


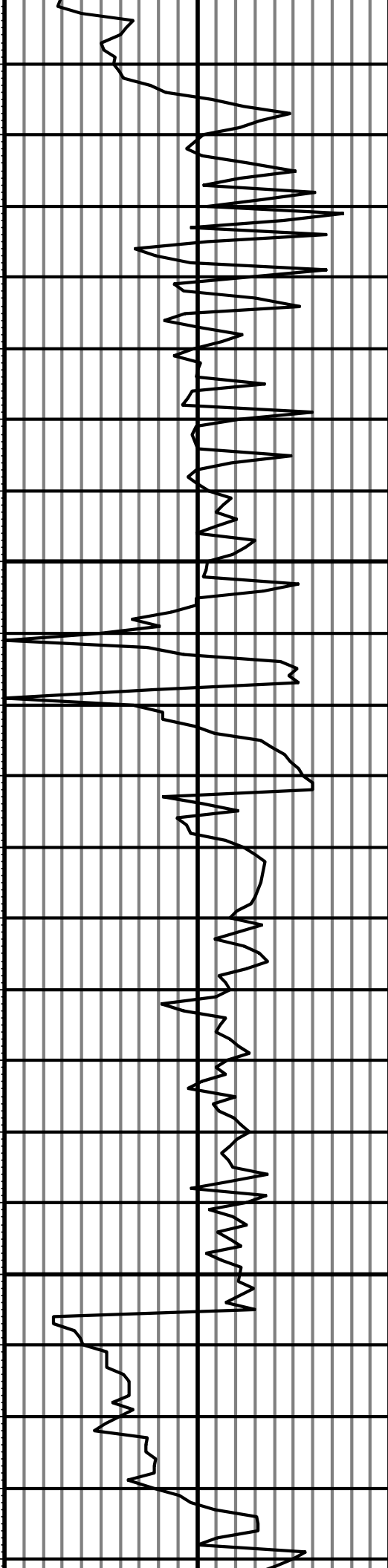
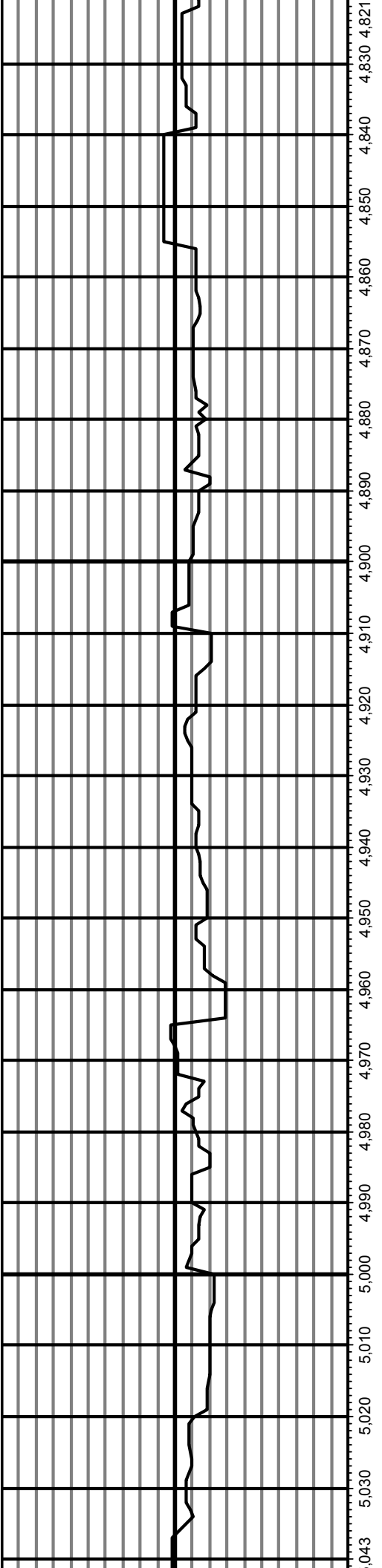


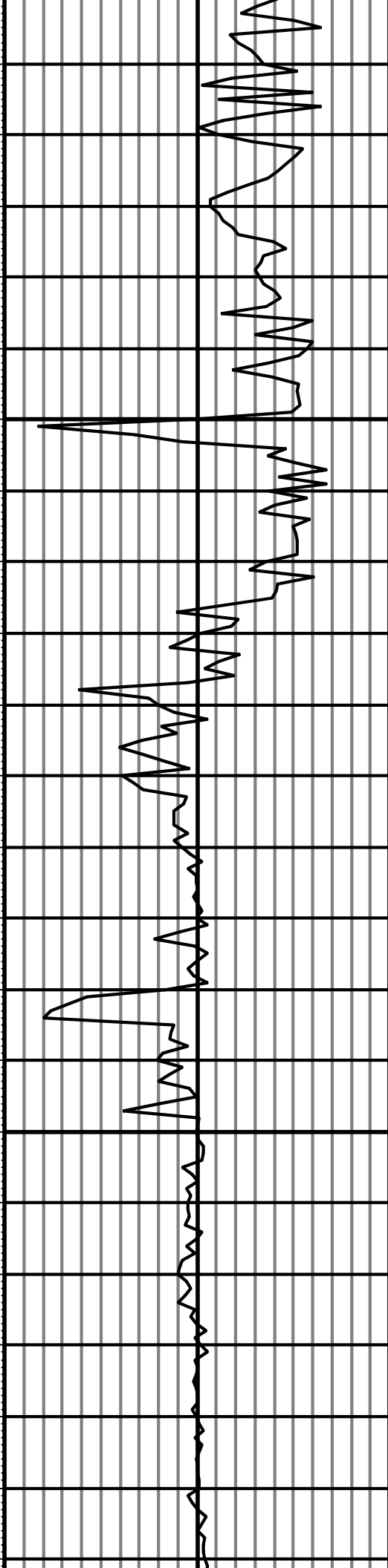
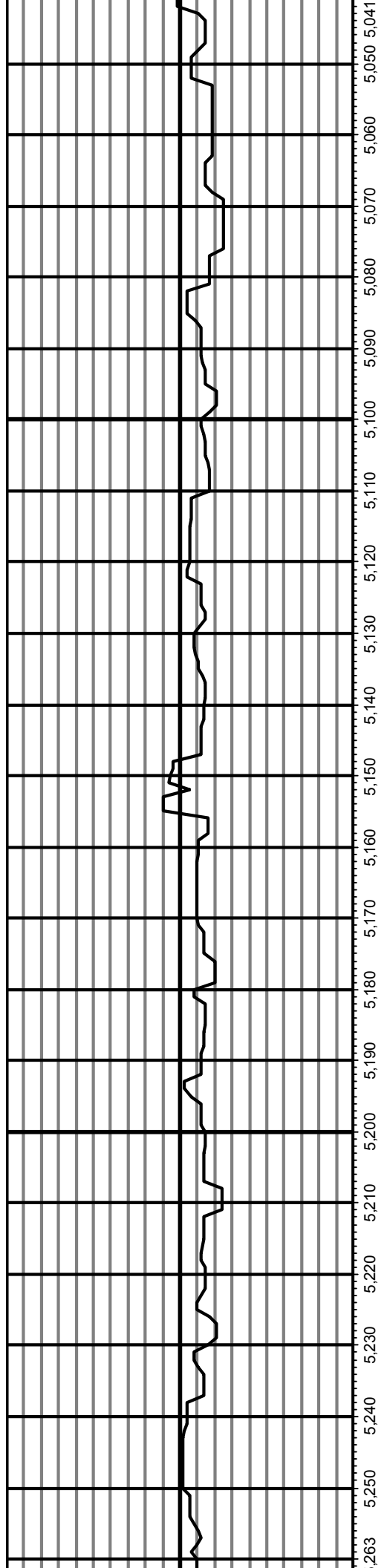


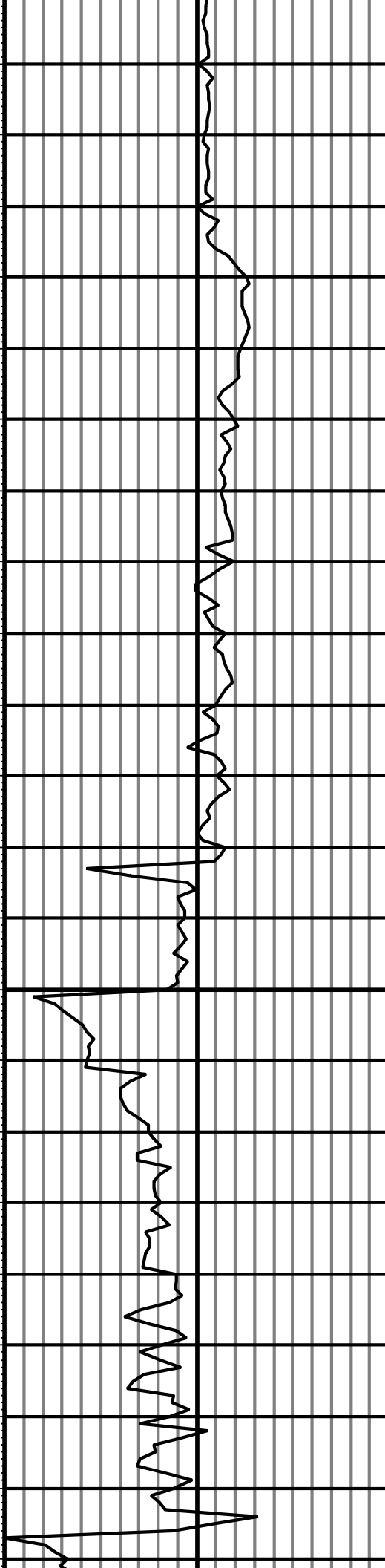
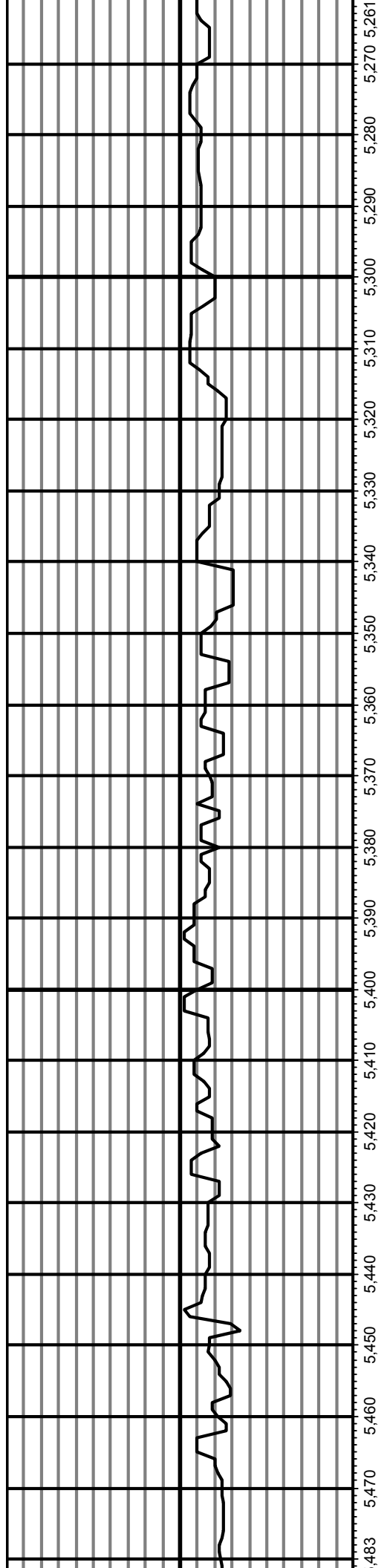


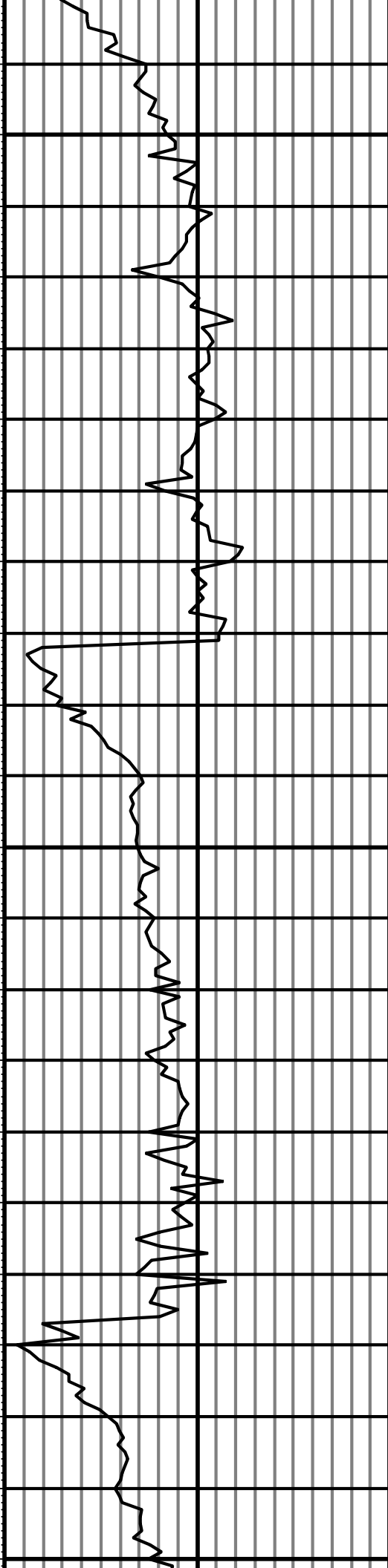
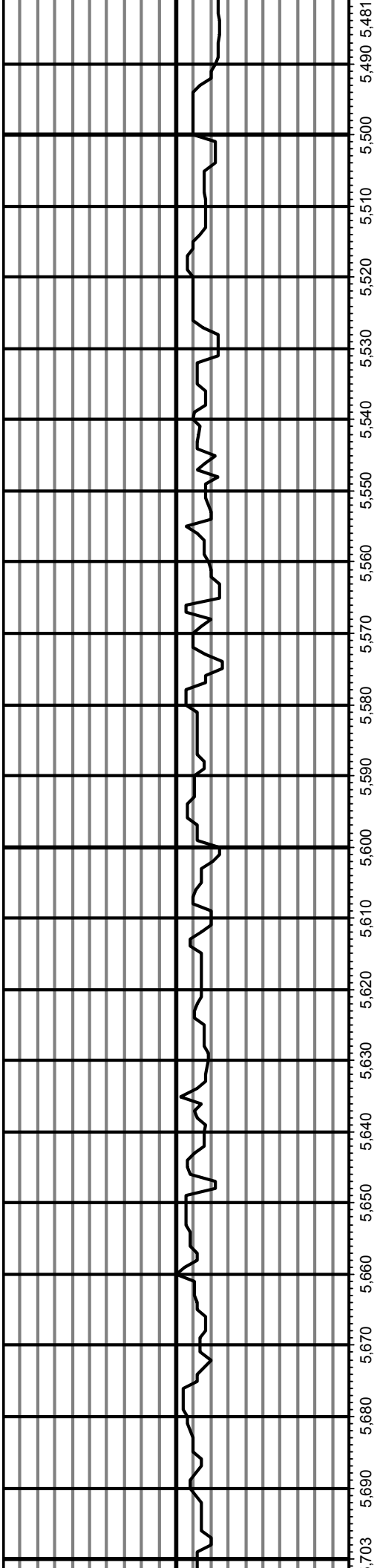


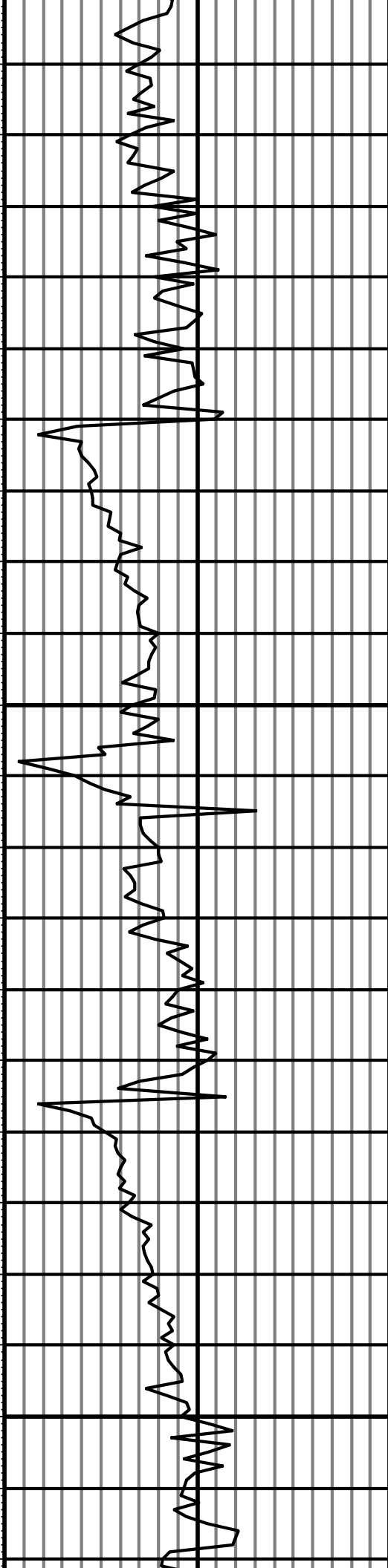
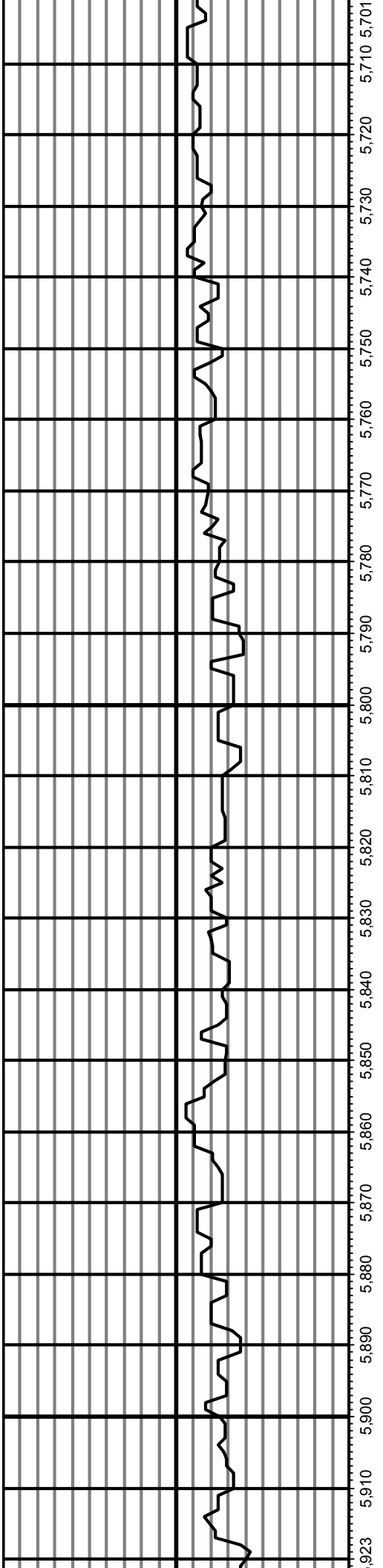


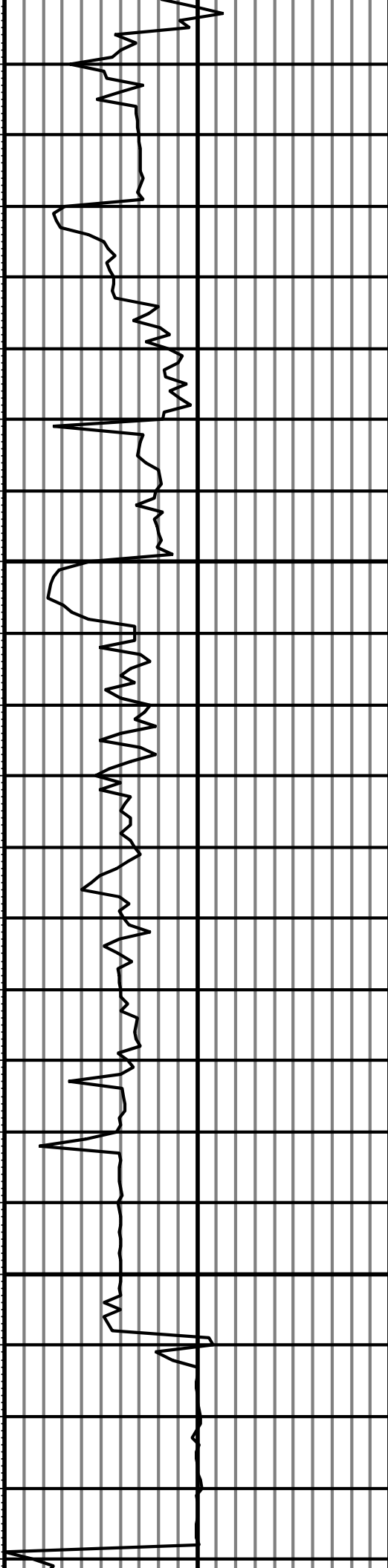
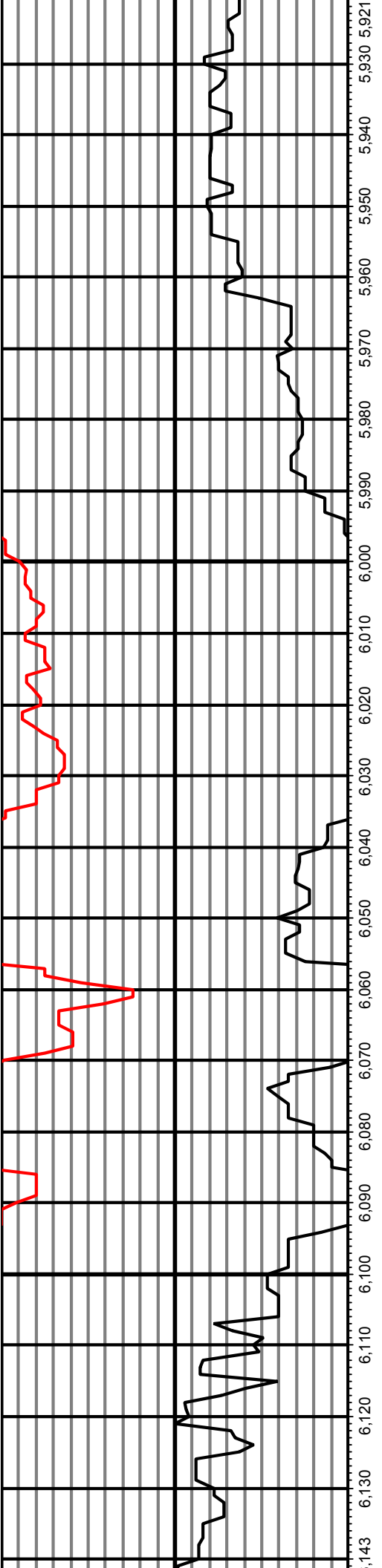


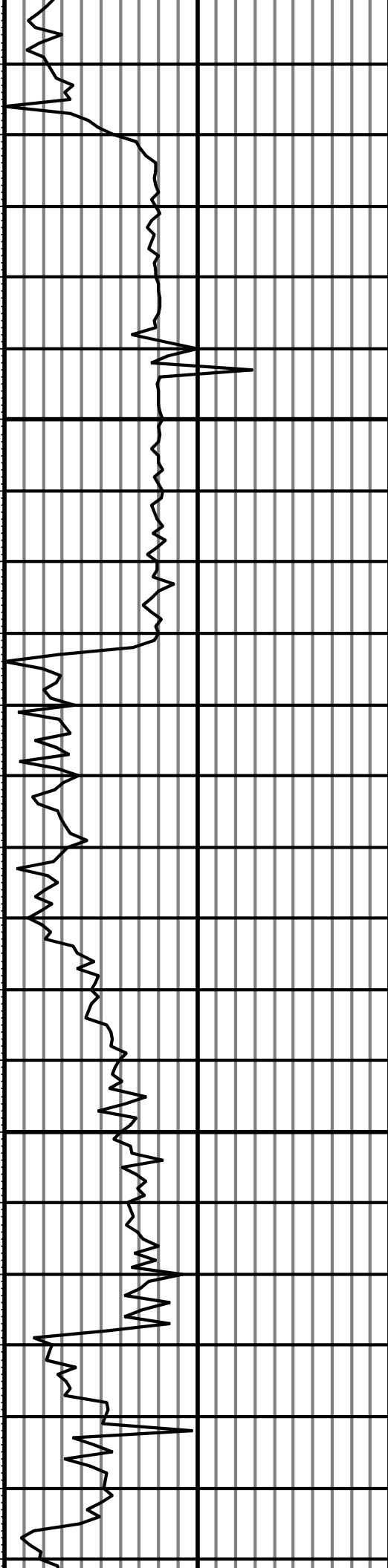
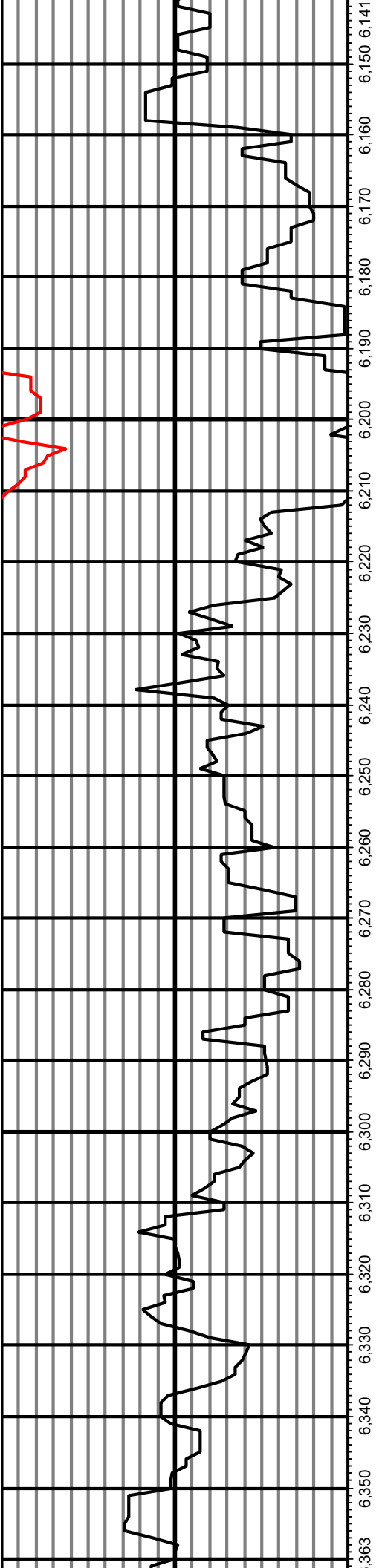


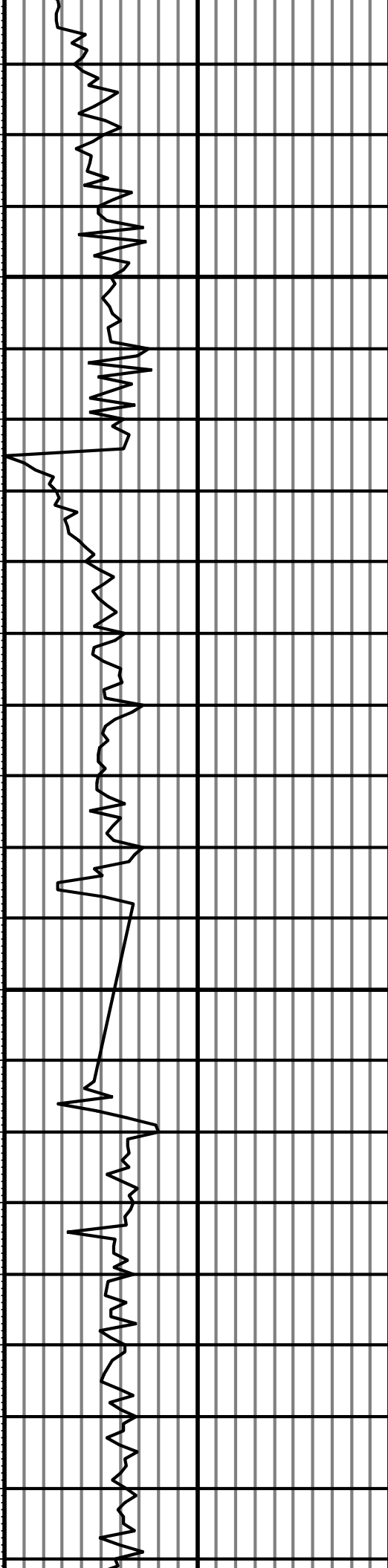
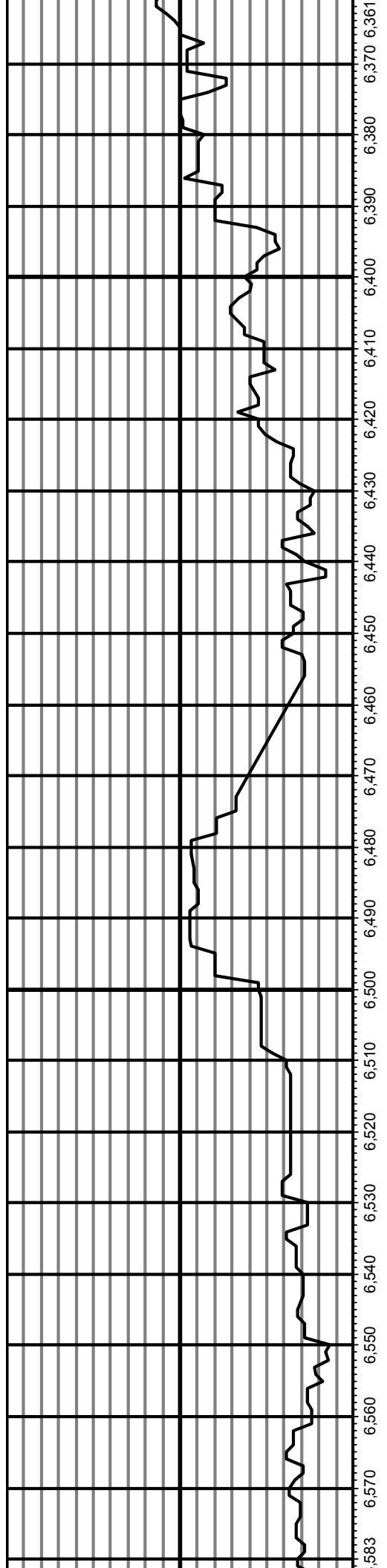






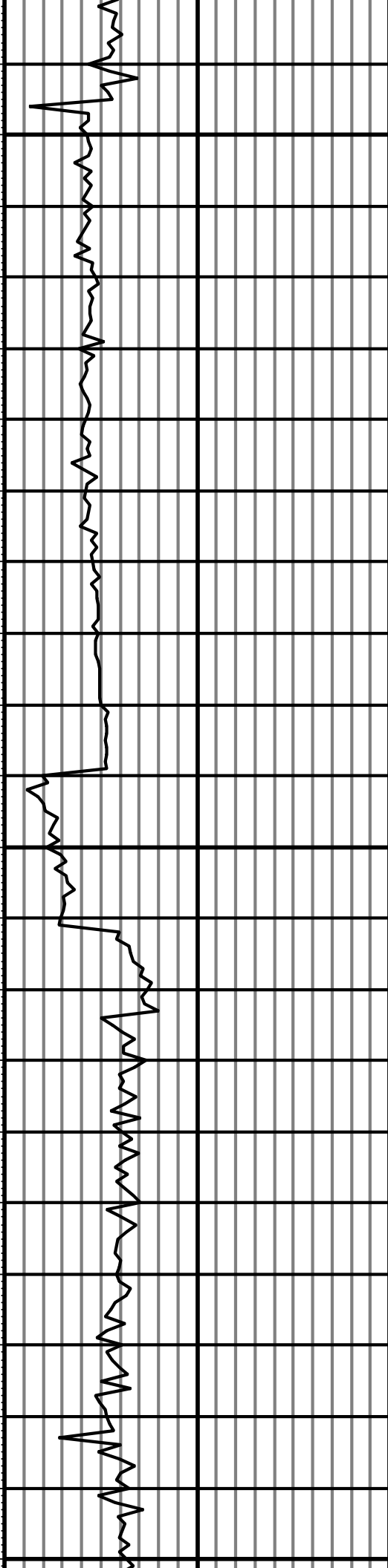


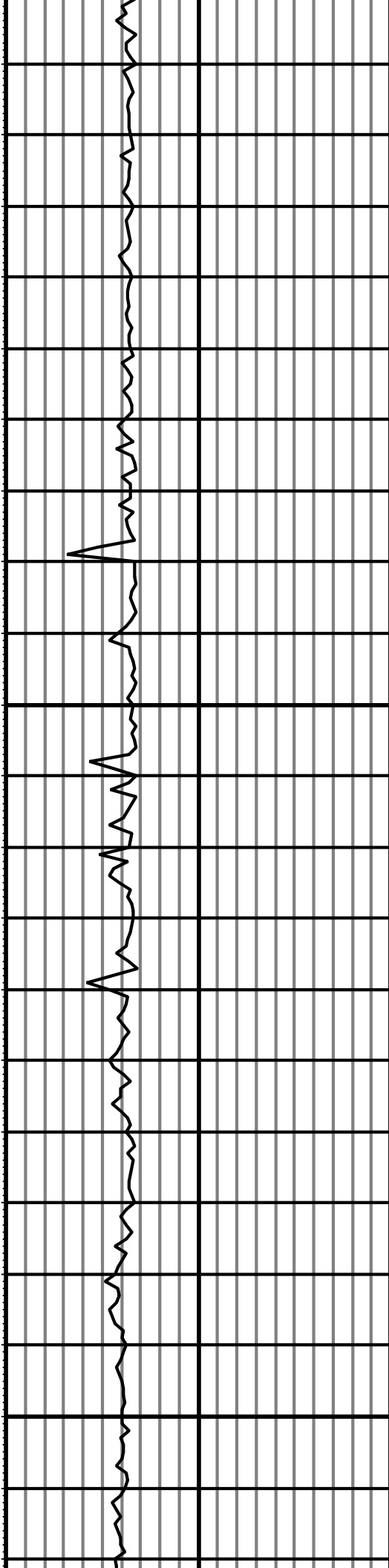
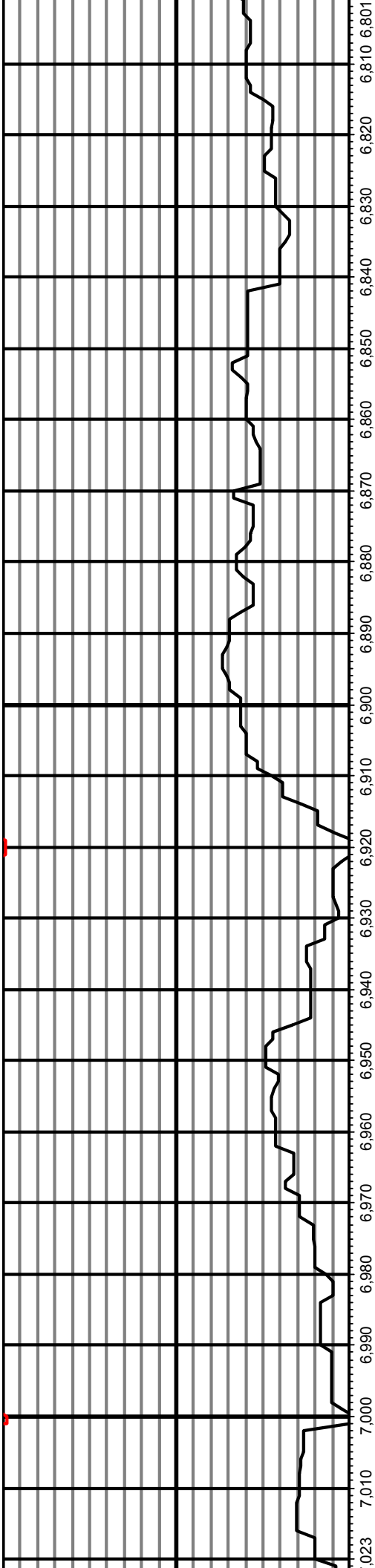


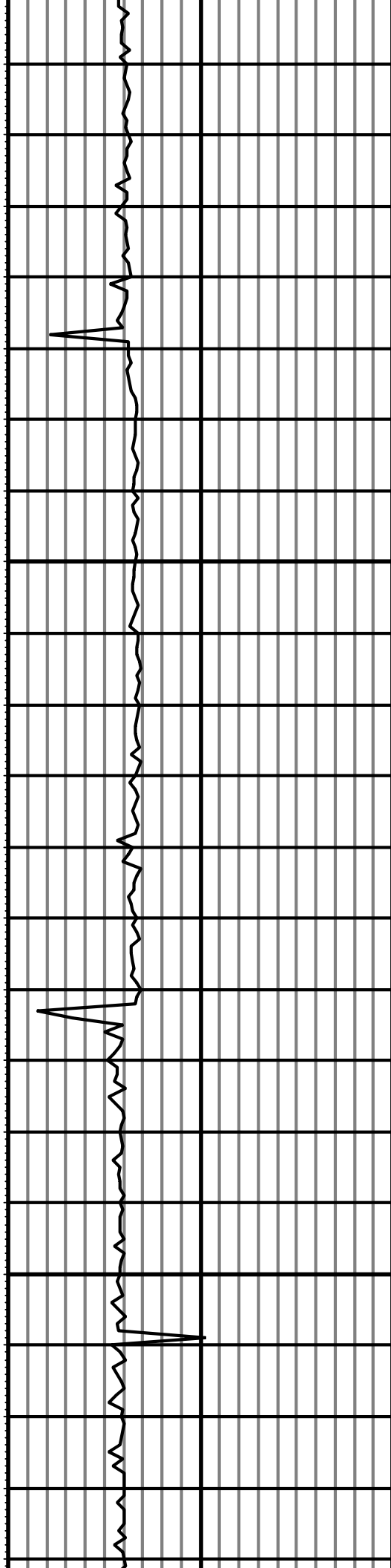
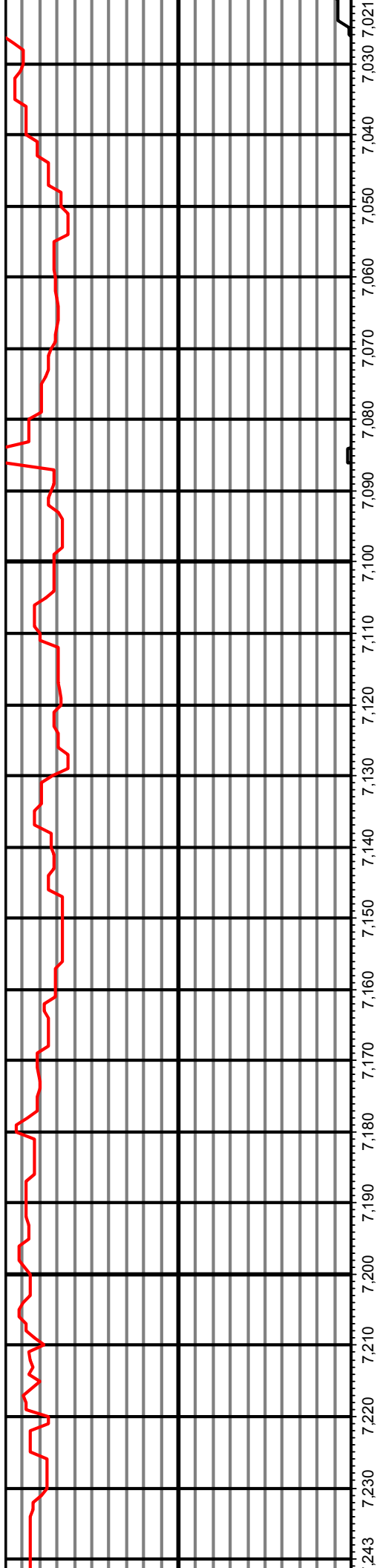


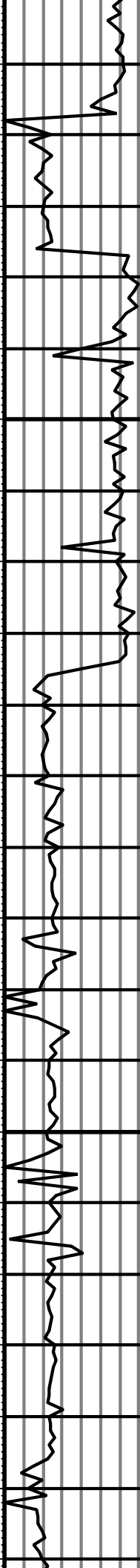
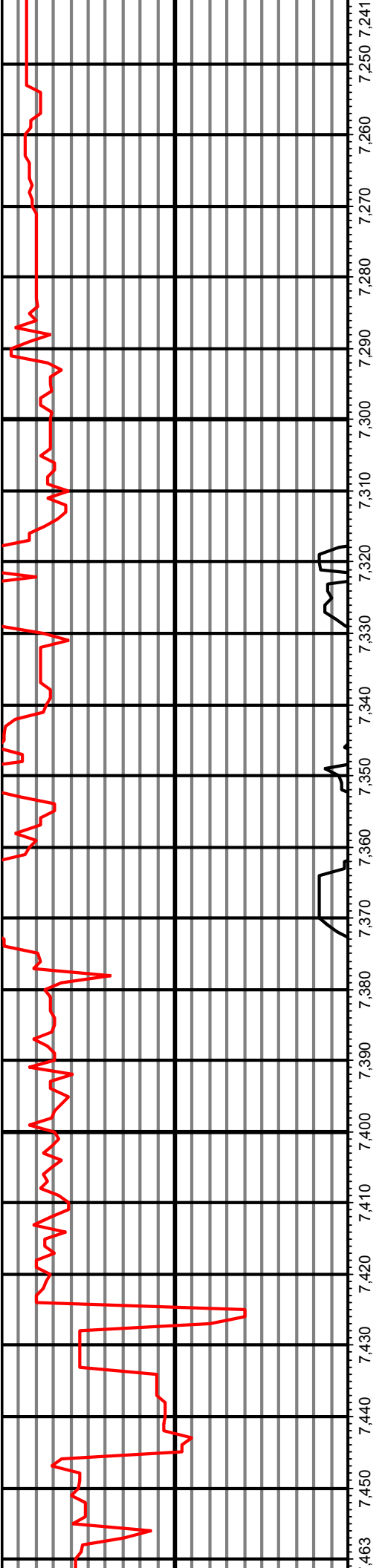


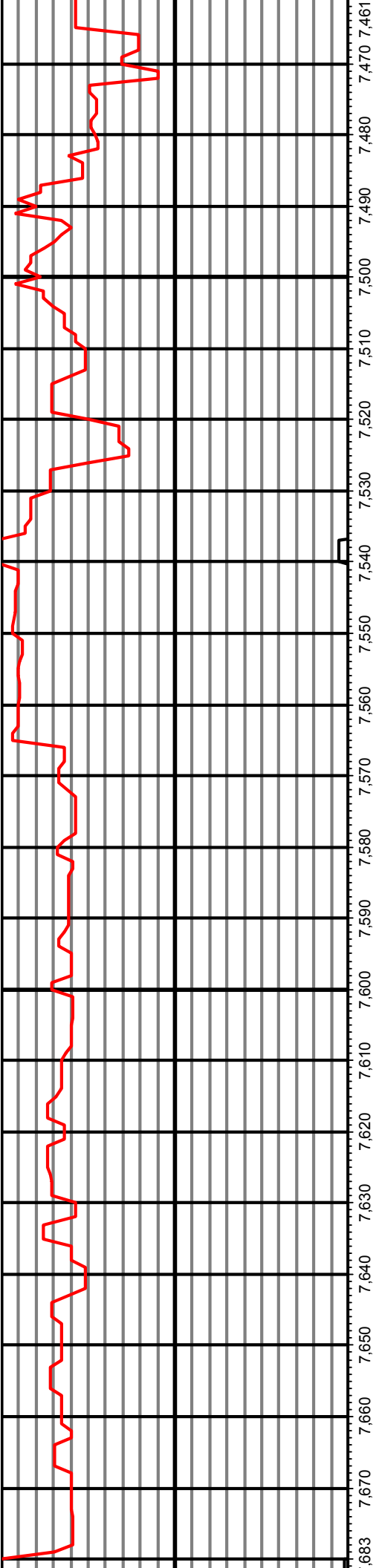
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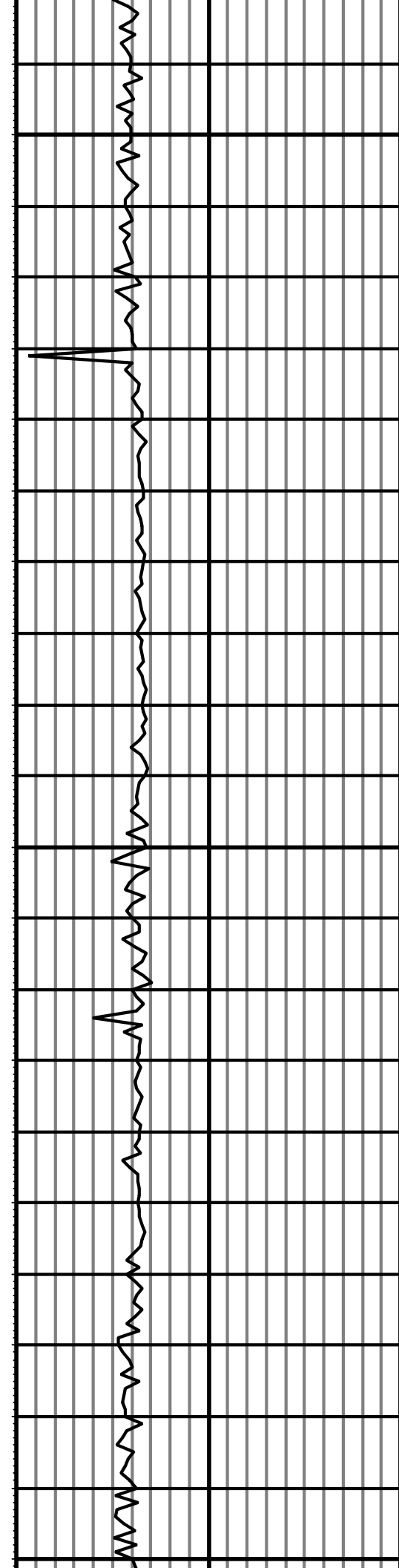
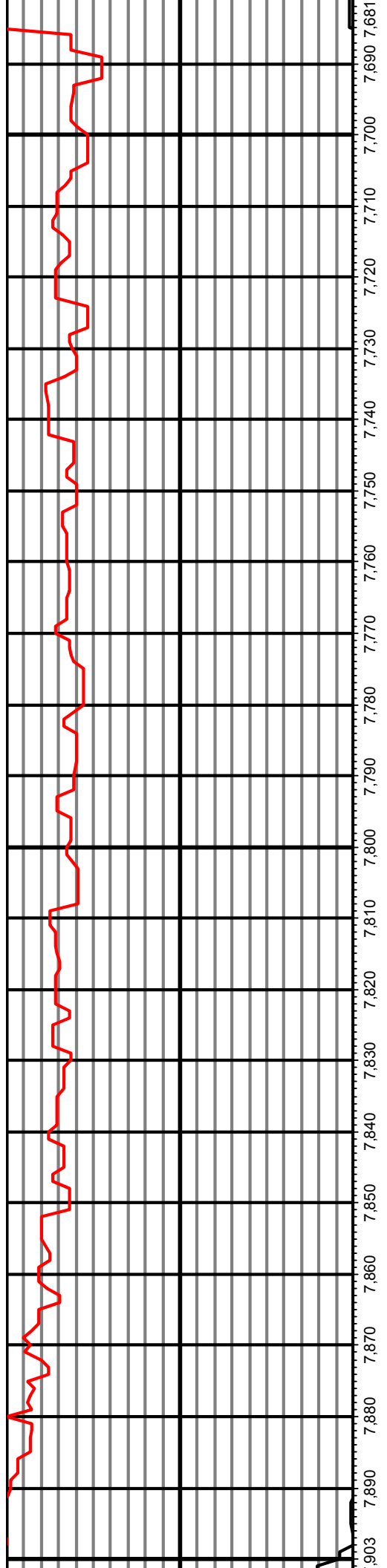


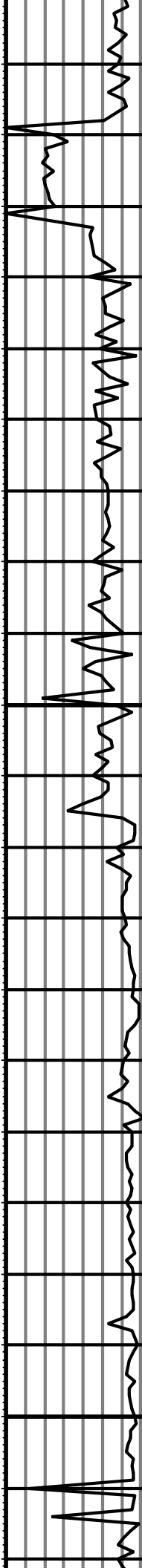
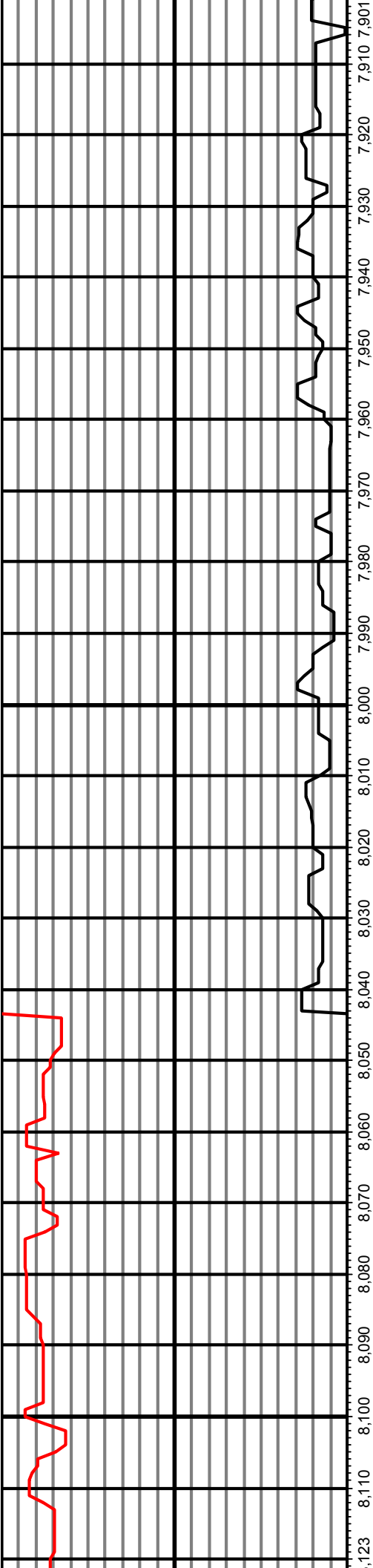


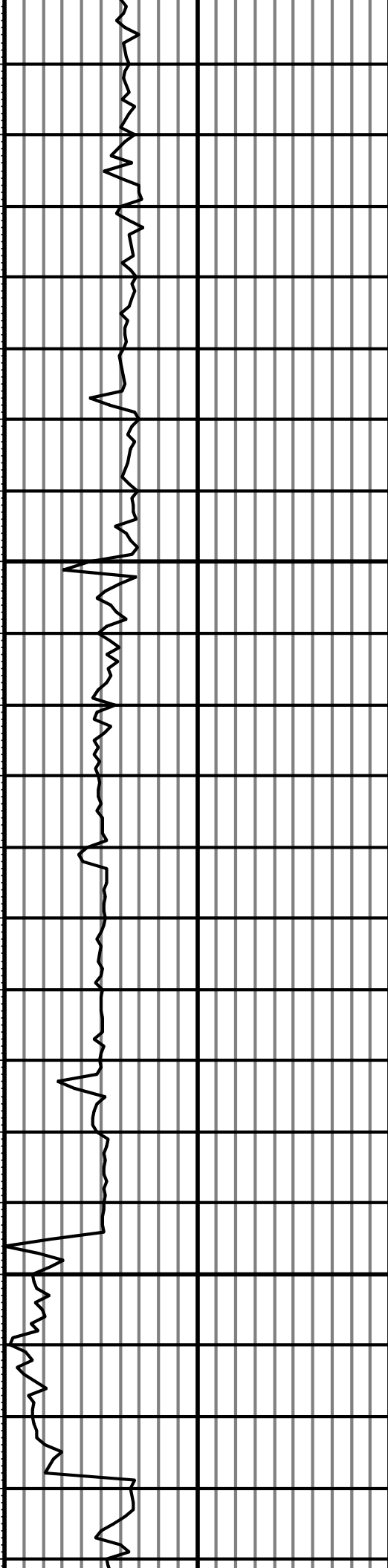
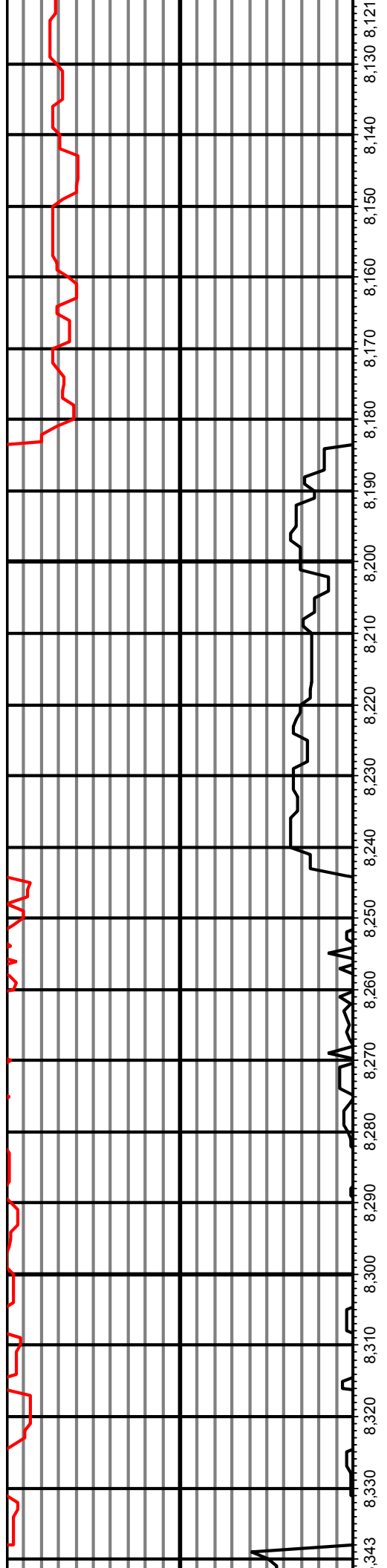


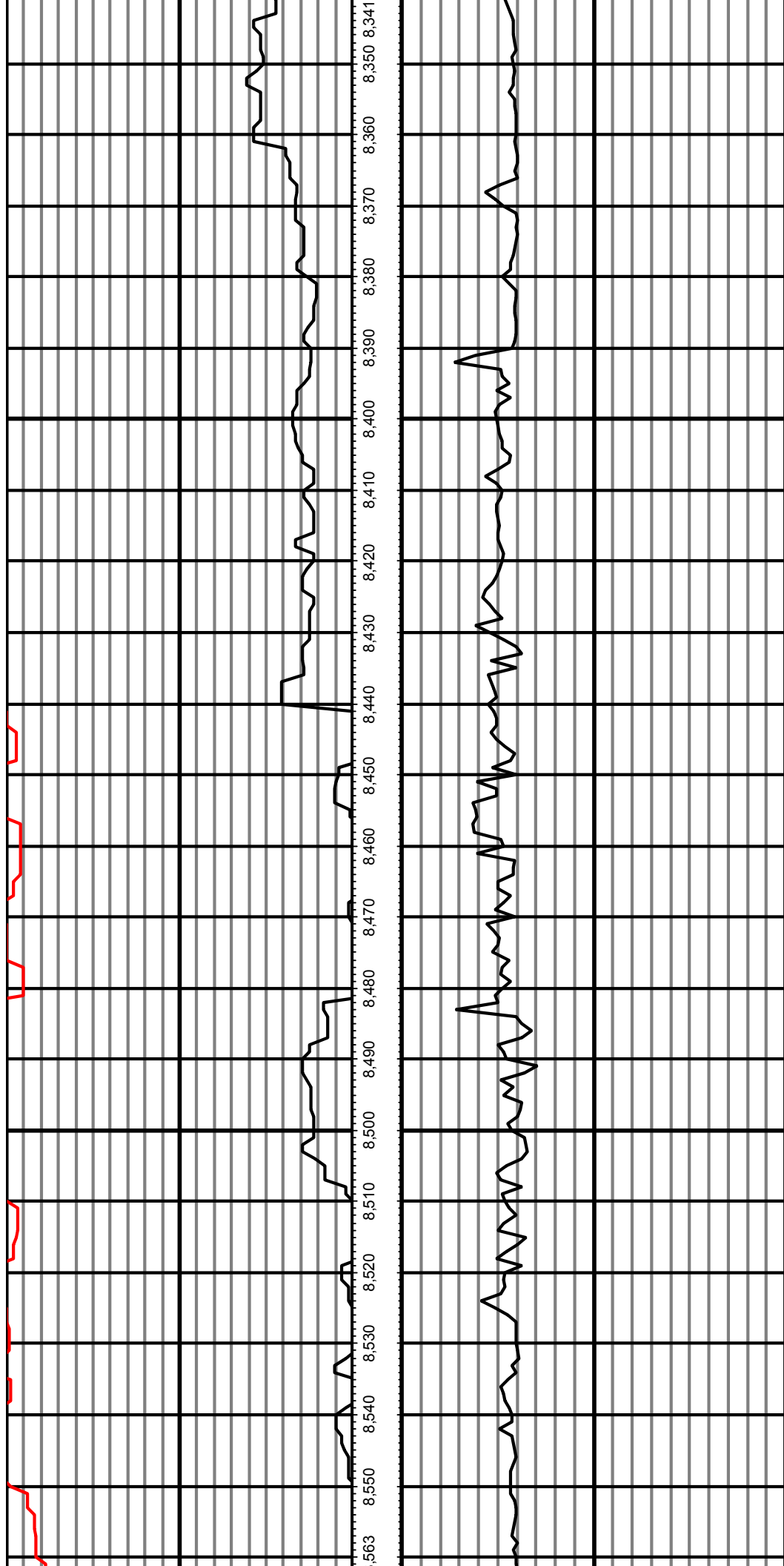


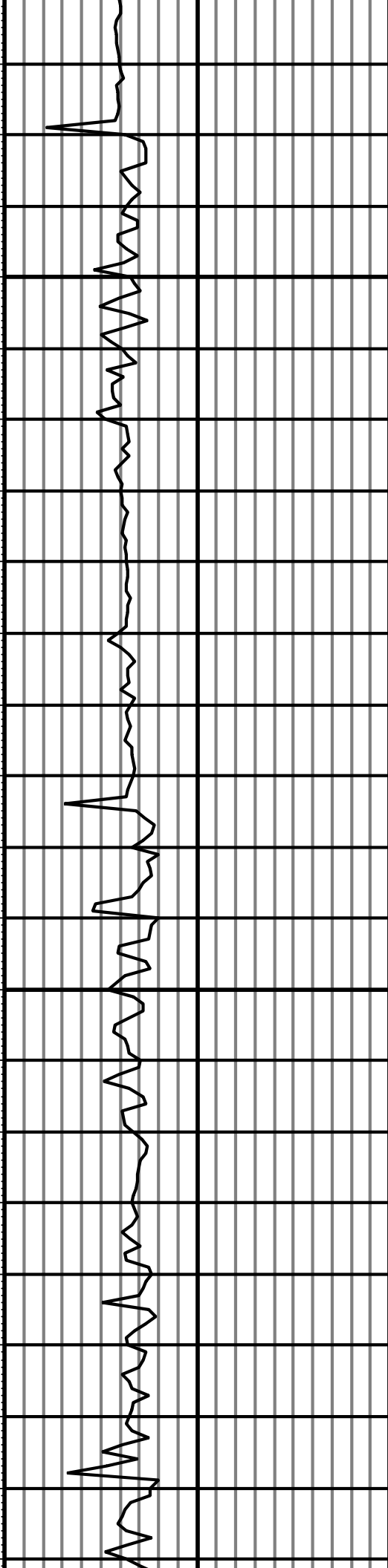
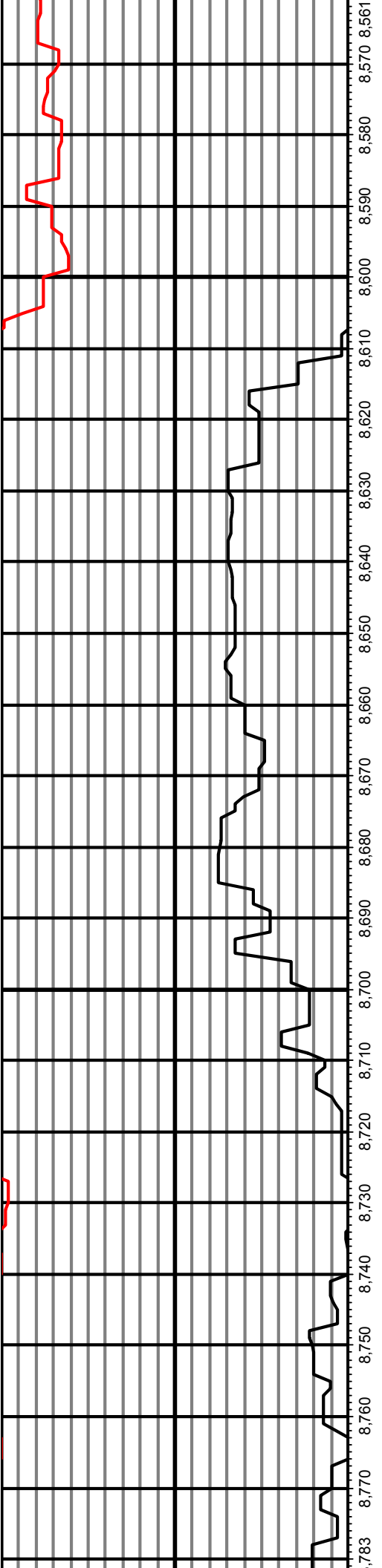


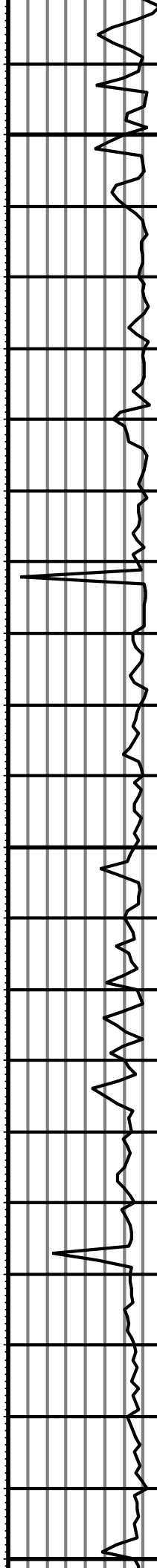
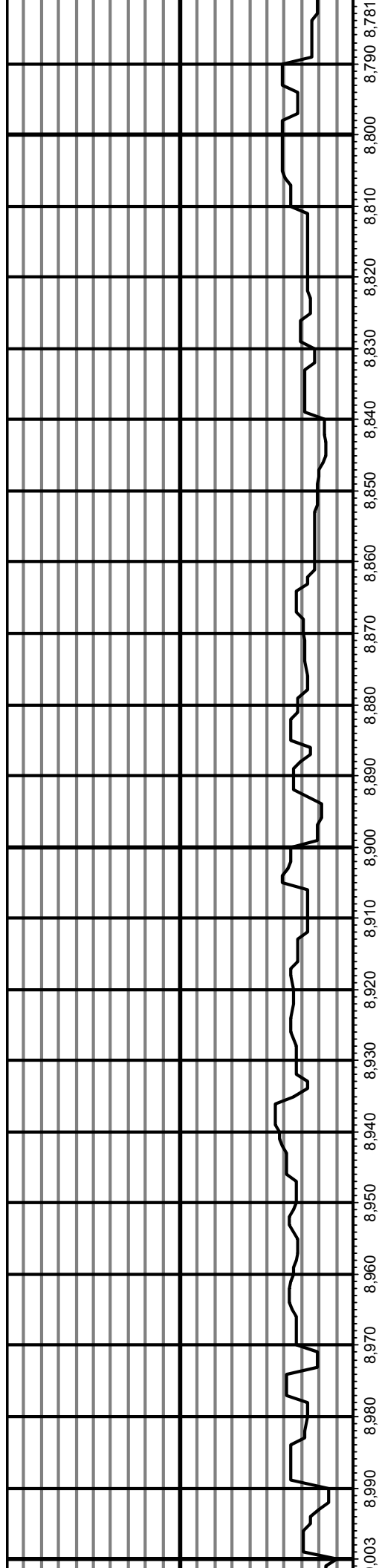


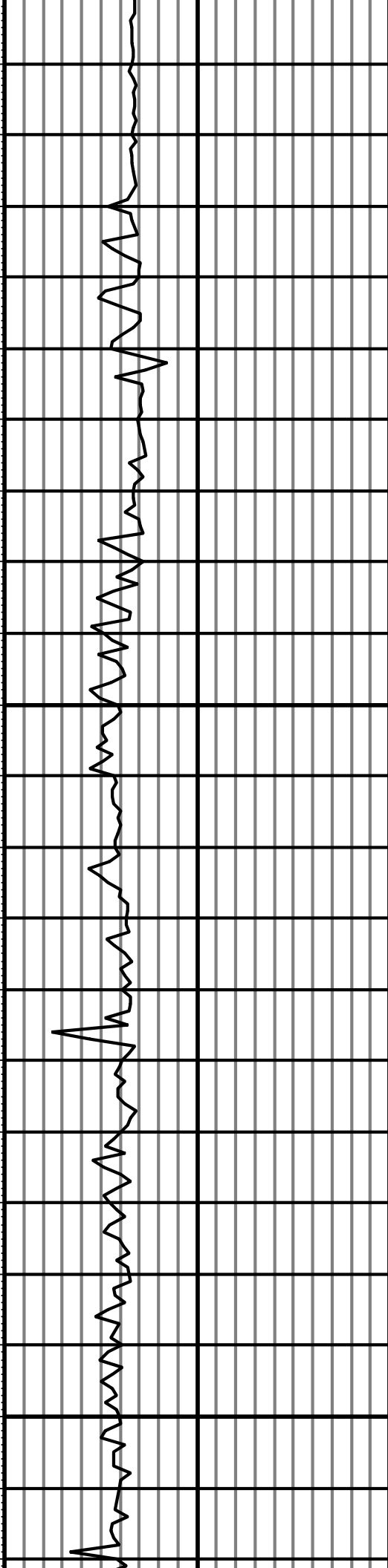
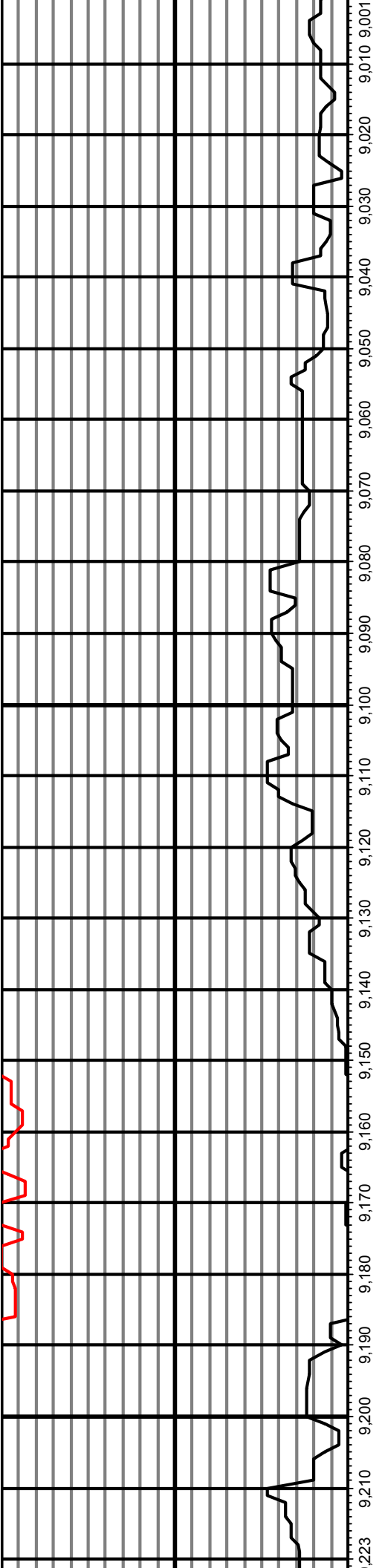


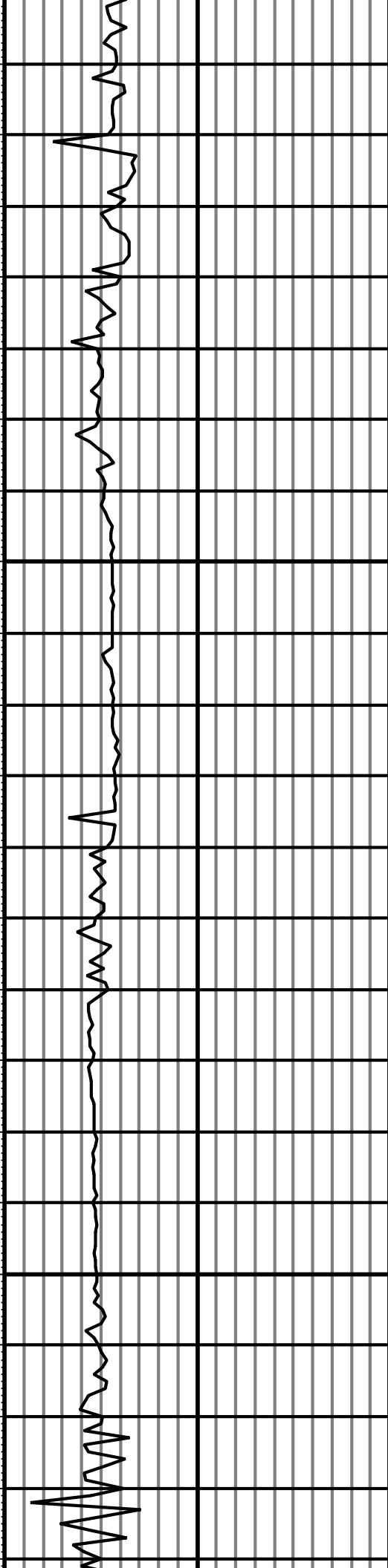
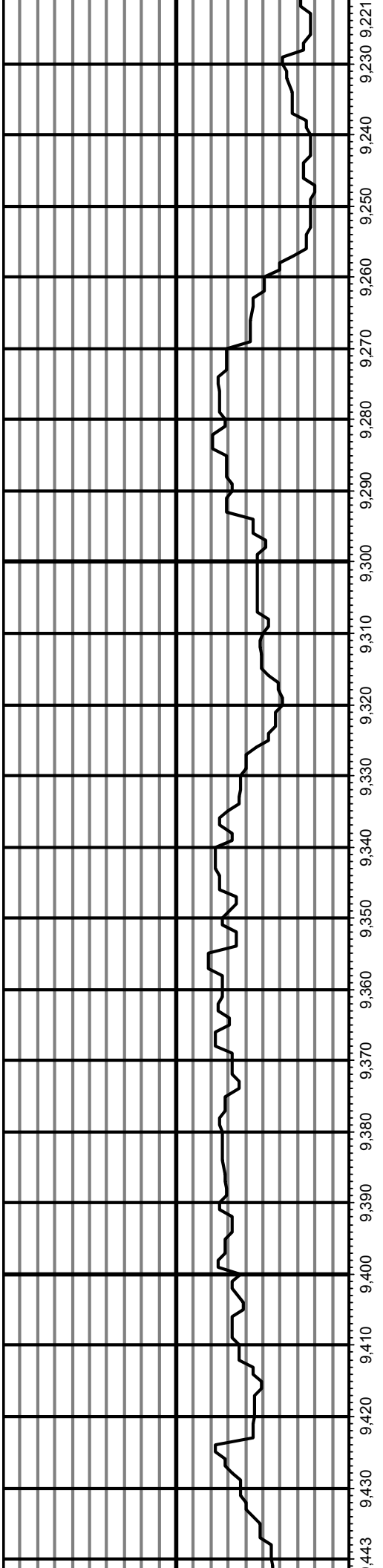


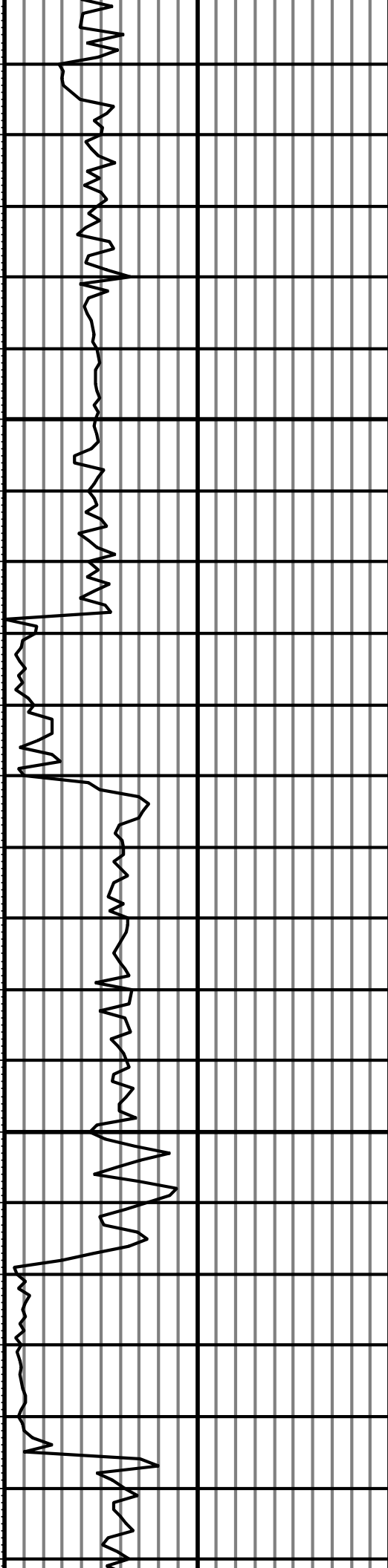
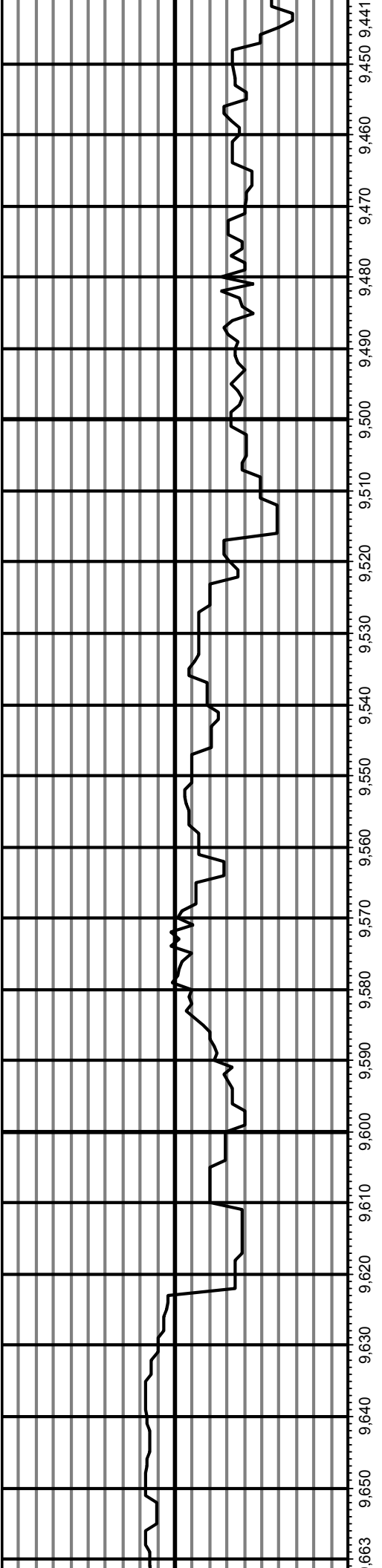


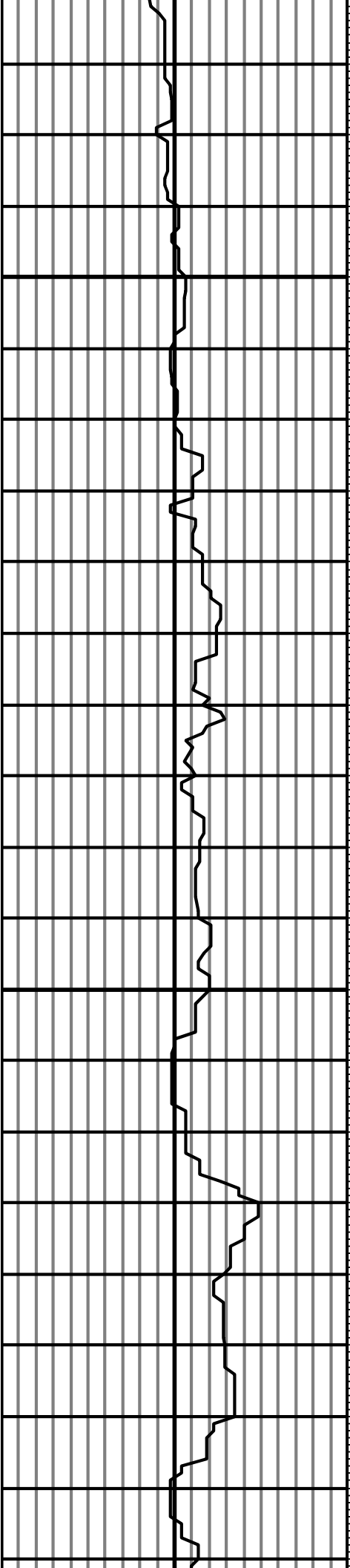












9,883 9,870 9,860 9,850 9,840 9,830 9,820 9,810 9,800 9,790 9,780 9,770 9,760 9,750 9,740 9,730 9,720 9,710 9,700 9,690 9,680 9,670 9,661



