R & R Farms 29I-321

MD
5":100'

Company: PDC Energy
Well Name: R & R Farms 29I-321
API: 05-123-41856
County/Parish: Weld
State: Colorado
Country: USA
Job number: 2015-077-135
Field: DJ Basin
Rig Id: Ensign 135
Survey Company: Total Directional
Company Man Shane Paris
Company Man John Falton
Directional Driller 1 Tanner Shwartz
Directional Driller 2 Chris Lewis
Directional Driller 3 Fred Sell
MWD 1 Josh St Germain
MWD 2 Troy Channey
MWD 3 Greg Odom

Log measurements: Gamma
Depth measured from: Rig Floor ft
Maximum temperature: 120

	Depth	Date
Start:	0 ft	8-12-2015
End:	10962 ft	8-17-2015

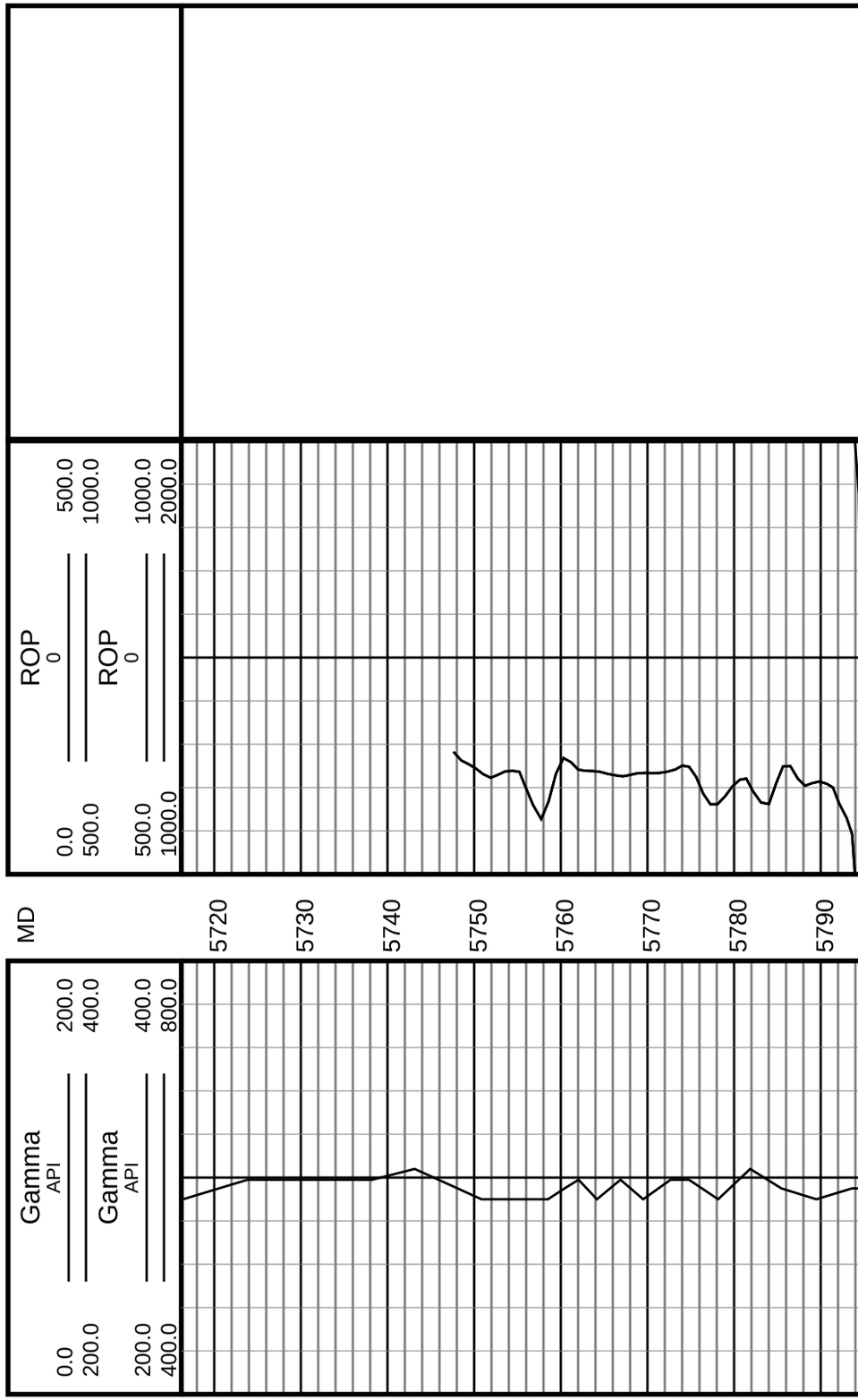
Casing	Depth	Size
Surface:	939 ft	9 5/8"
Intermediate:	6925 ft	7"

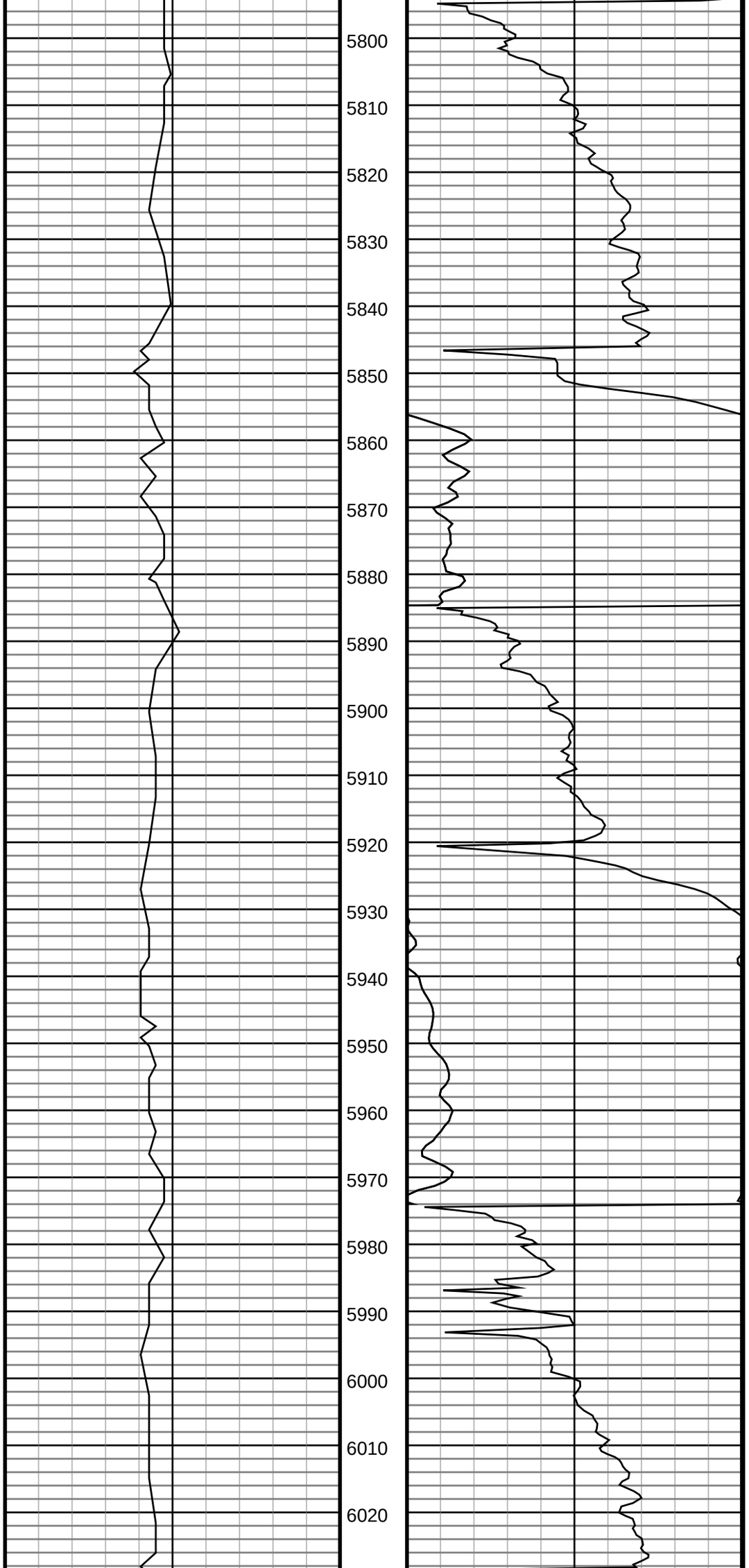
Mud Type: Water
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

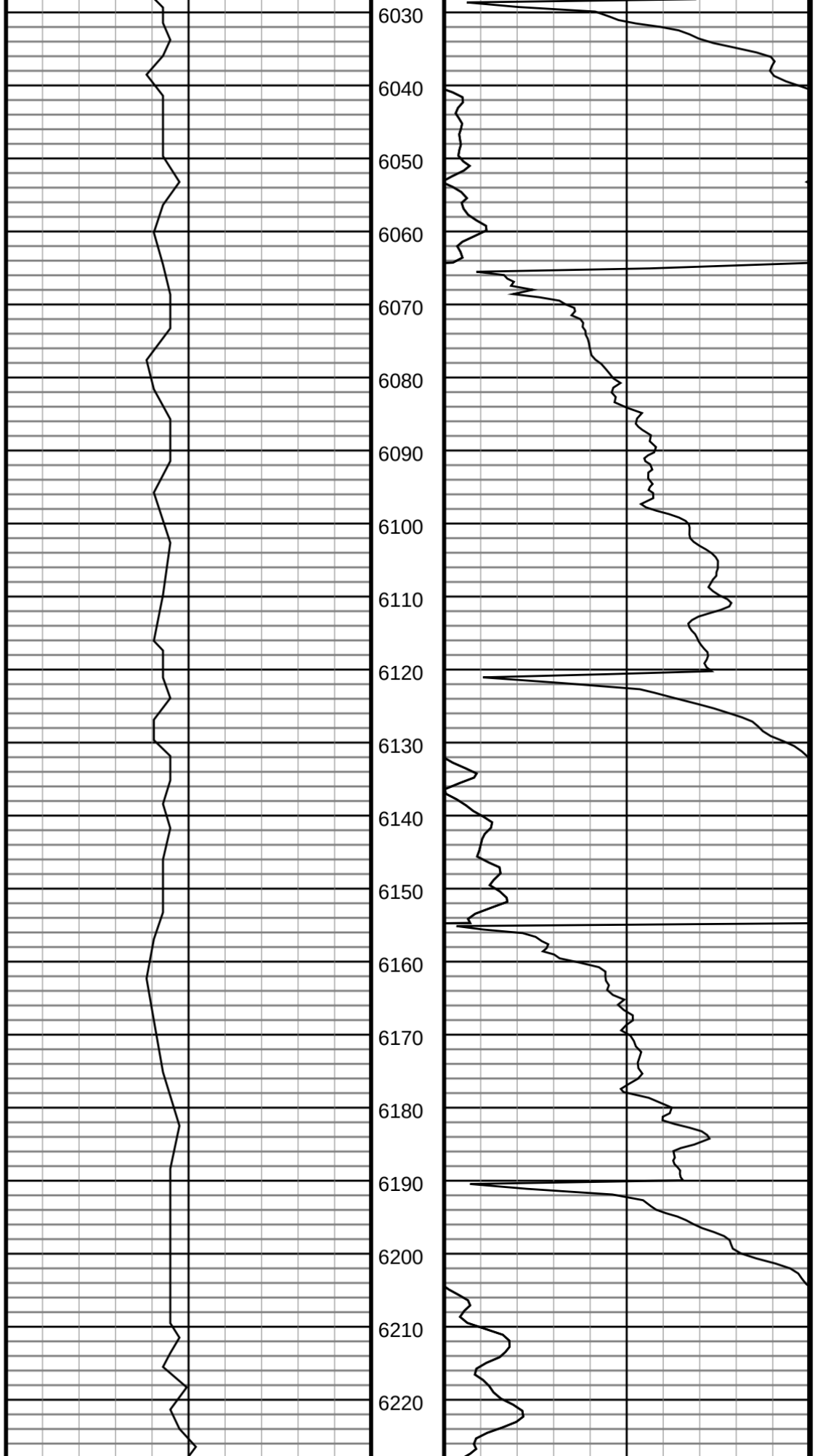
Elevations
KB: 4587 ft
GL: 4574 ft
DF: 13 ft

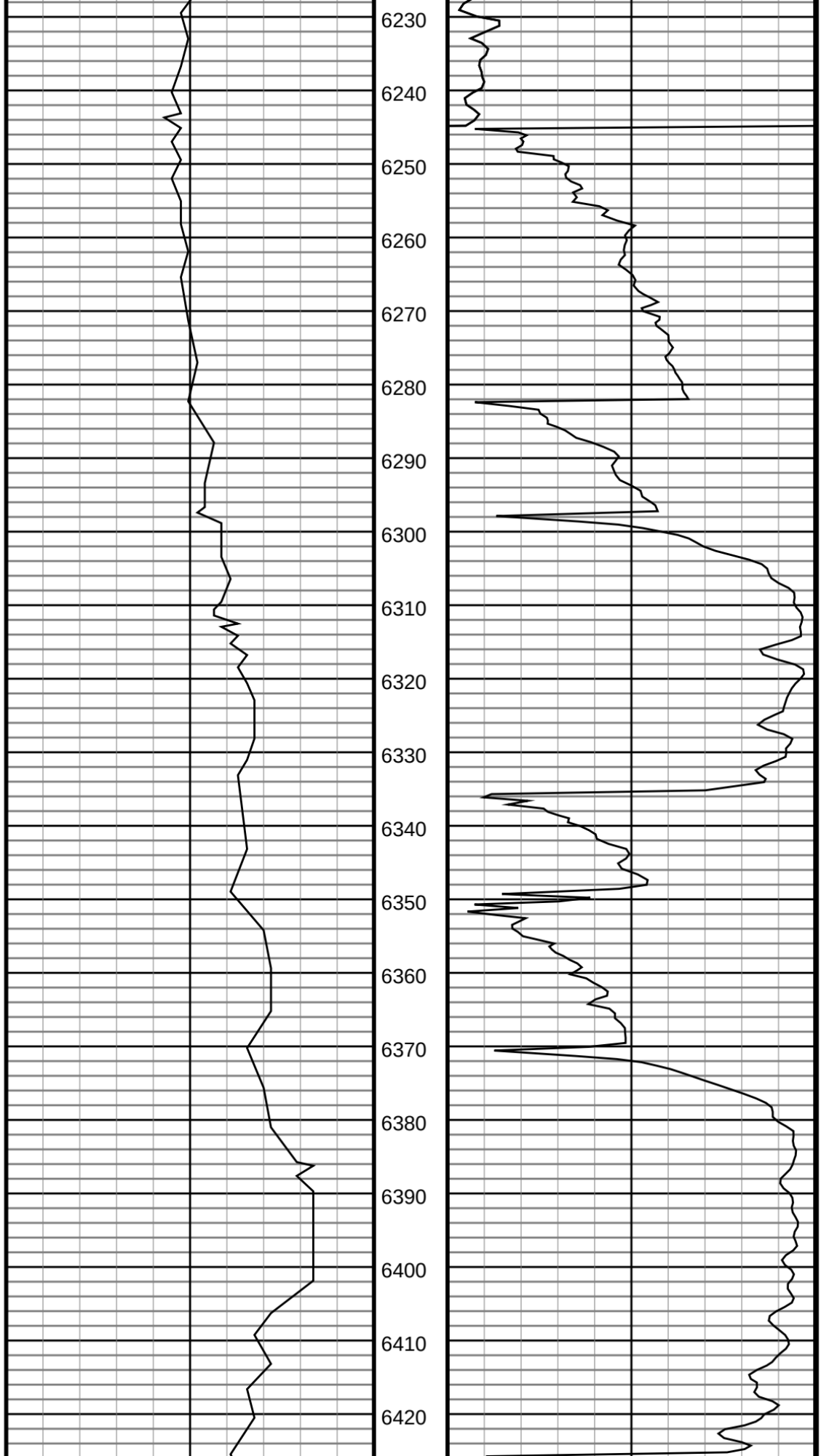
Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	13.25"		52.00 ft	0 ft	939 ft	8-12-2015	8-13-2015
2	8.75"	39.03 ft	43.77 ft	939 ft	6925 ft	8-13-2015	8-14-2015
3	6.125"	48.00 ft	55.00 ft	6925 ft	10,962 ft	8-15-2015	8-17-2015
4							
5							
6							
7							
8							
9							
10							

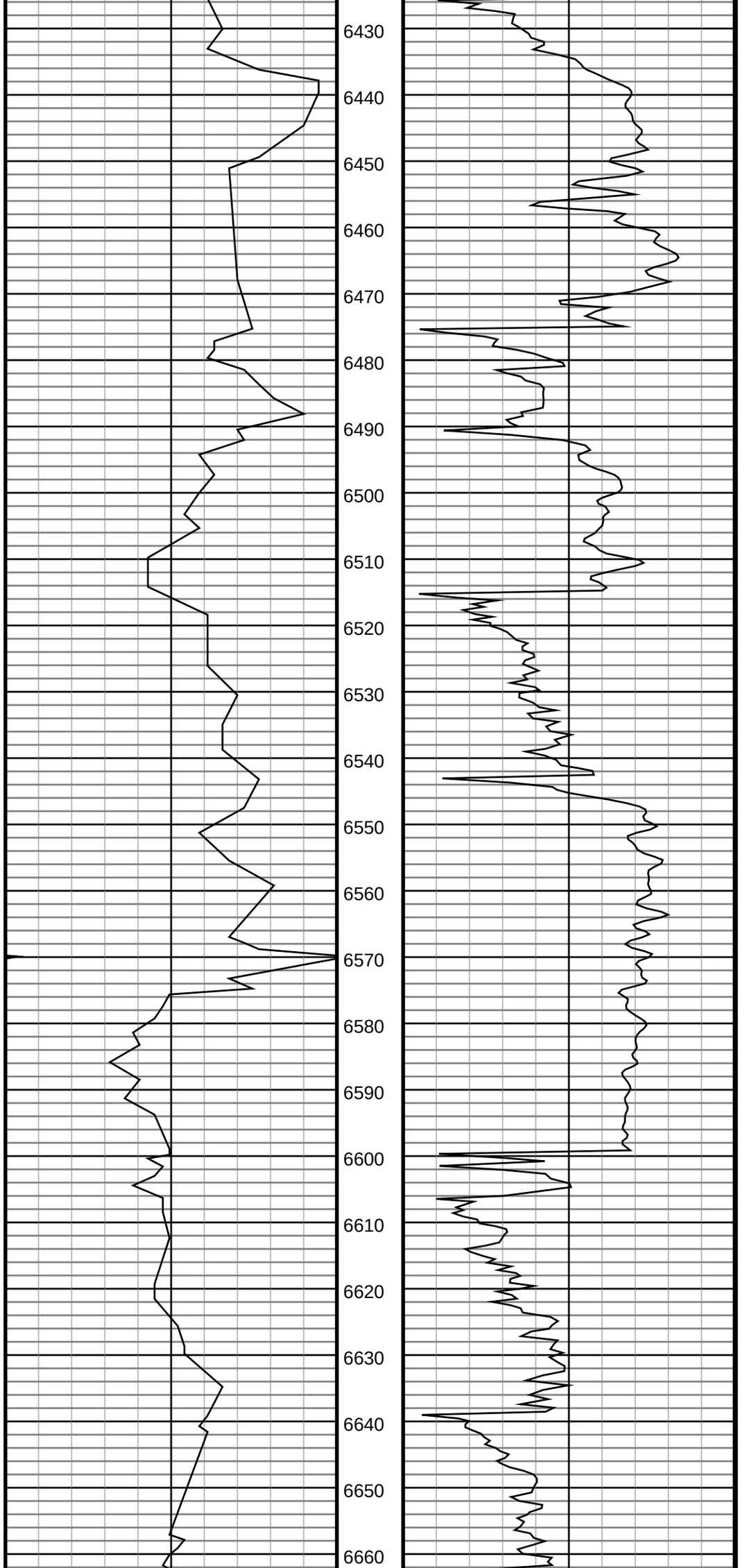
Total Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

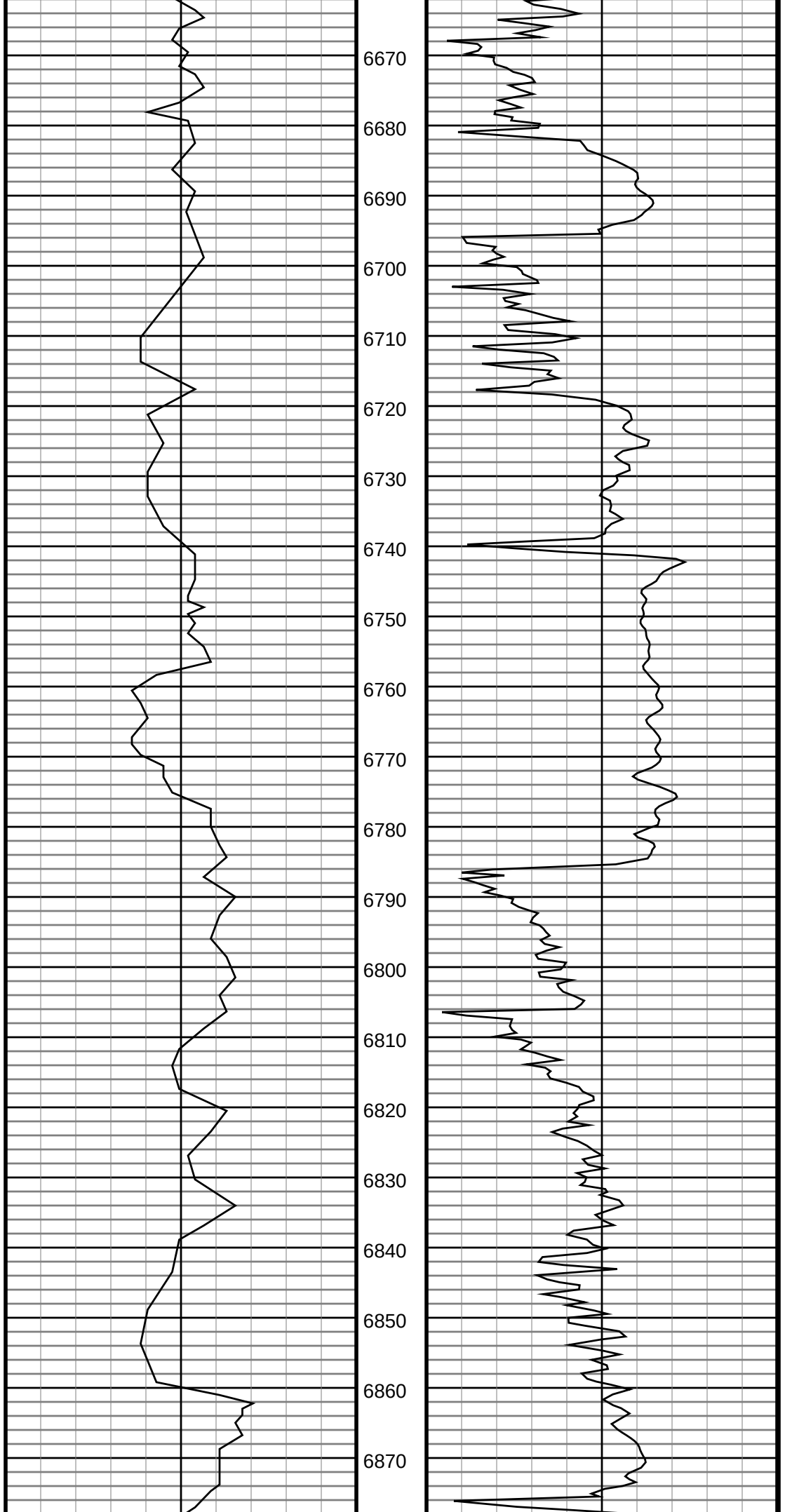


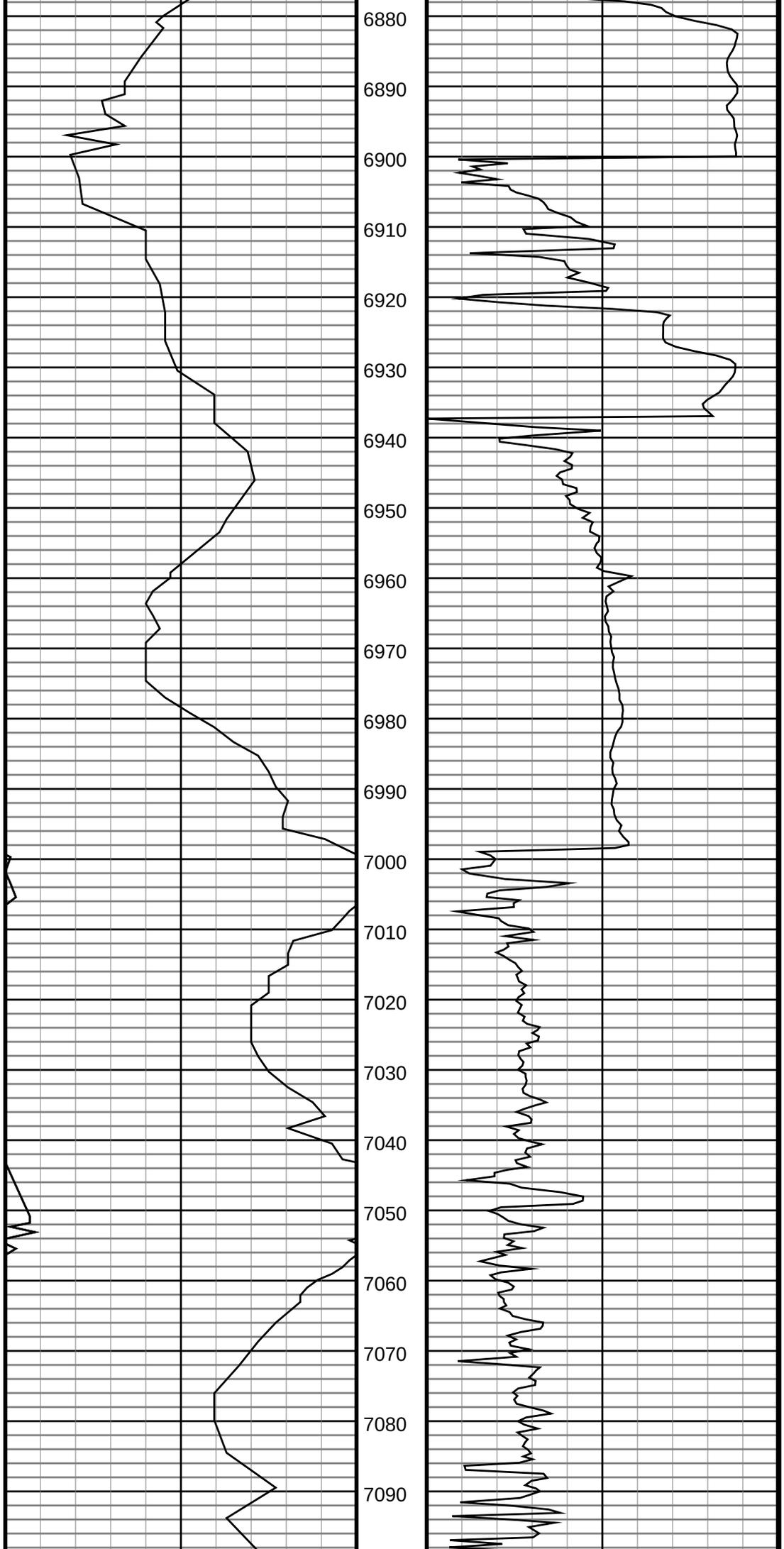

5800
5810
5820
5830
5840
5850
5860
5870
5880
5890
5900
5910
5920
5930
5940
5950
5960
5970
5980
5990
6000
6010
6020

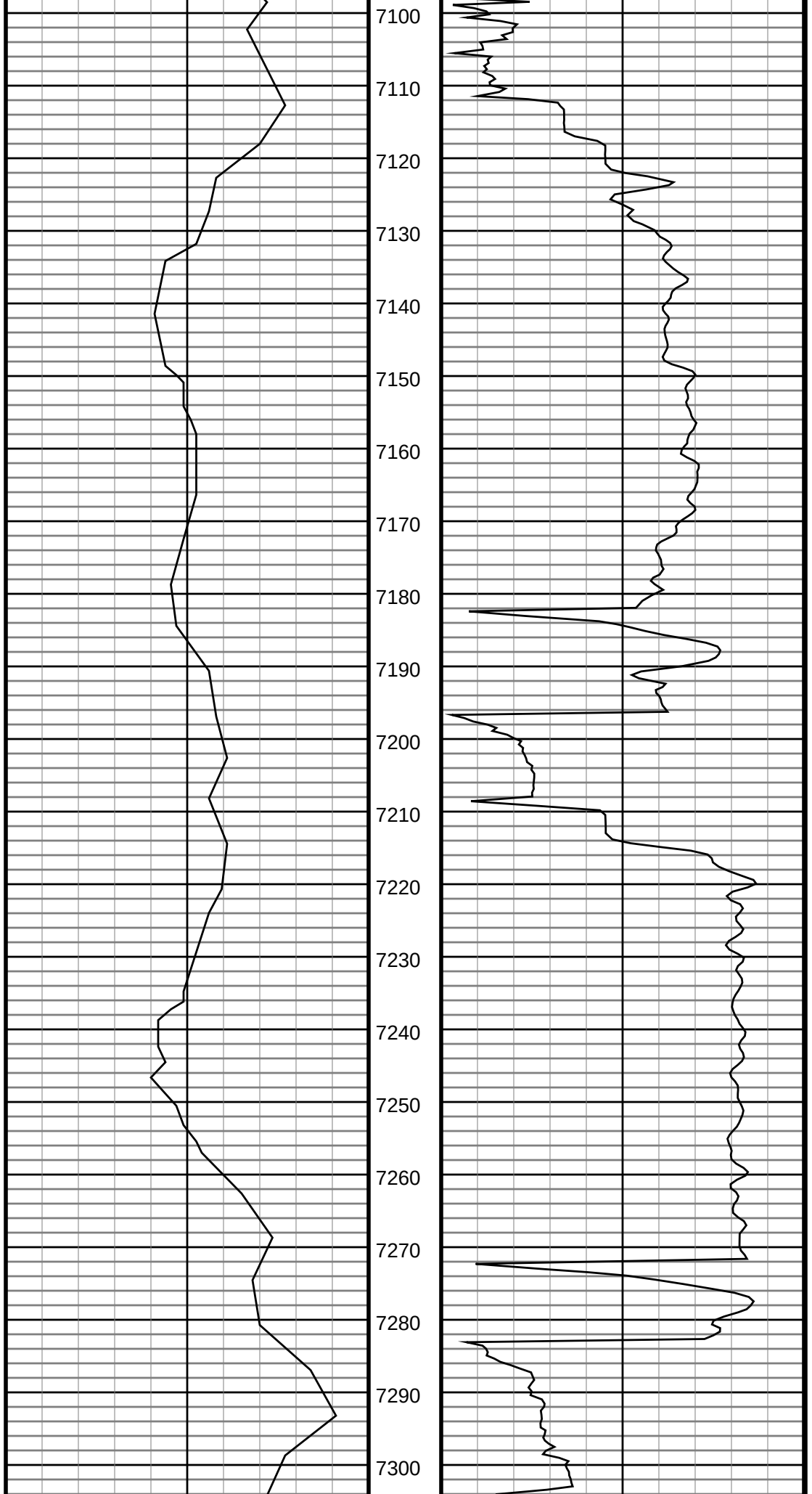

6030
6040
6050
6060
6070
6080
6090
6100
6110
6120
6130
6140
6150
6160
6170
6180
6190
6200
6210
6220

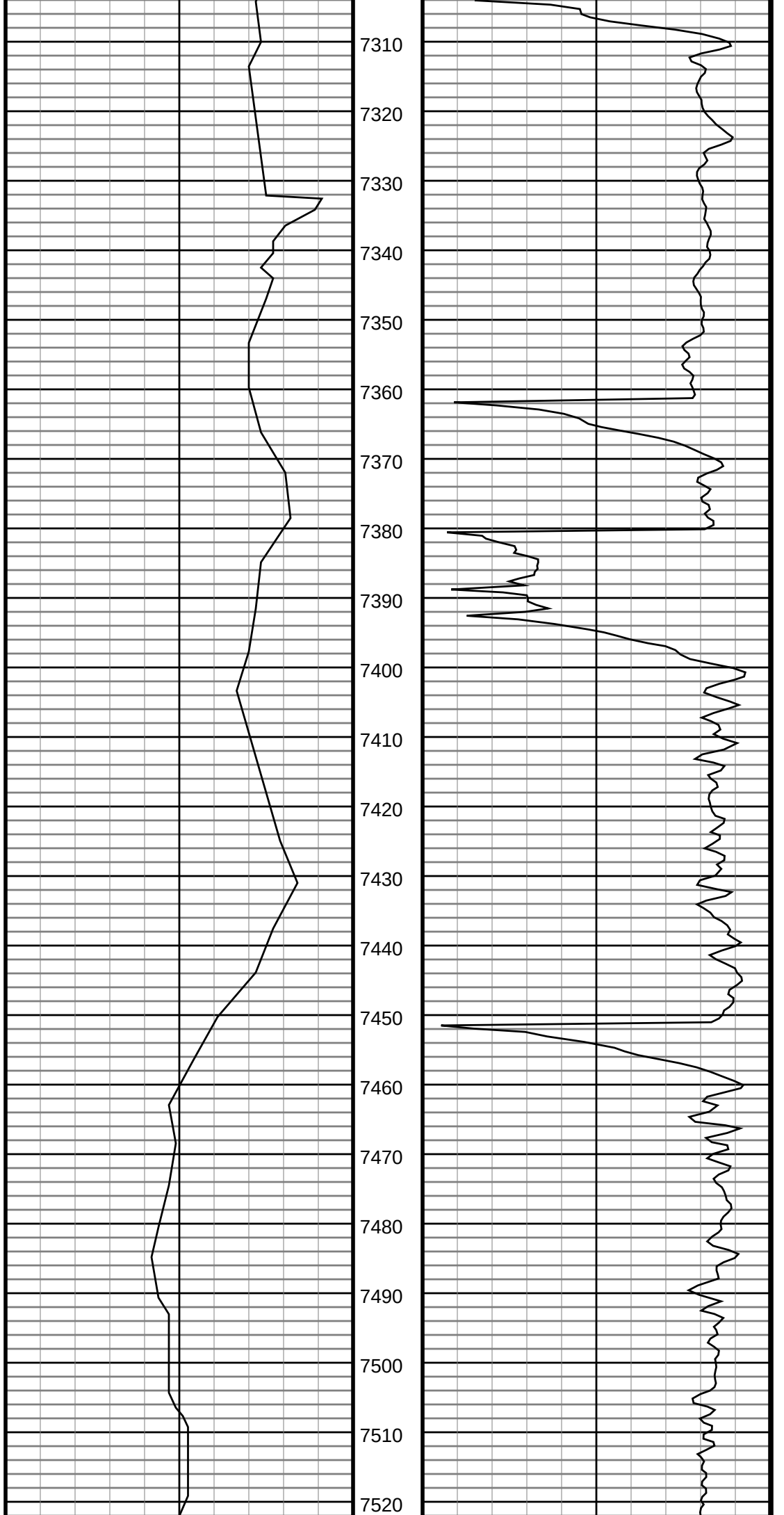

6230
6240
6250
6260
6270
6280
6290
6300
6310
6320
6330
6340
6350
6360
6370
6380
6390
6400
6410
6420

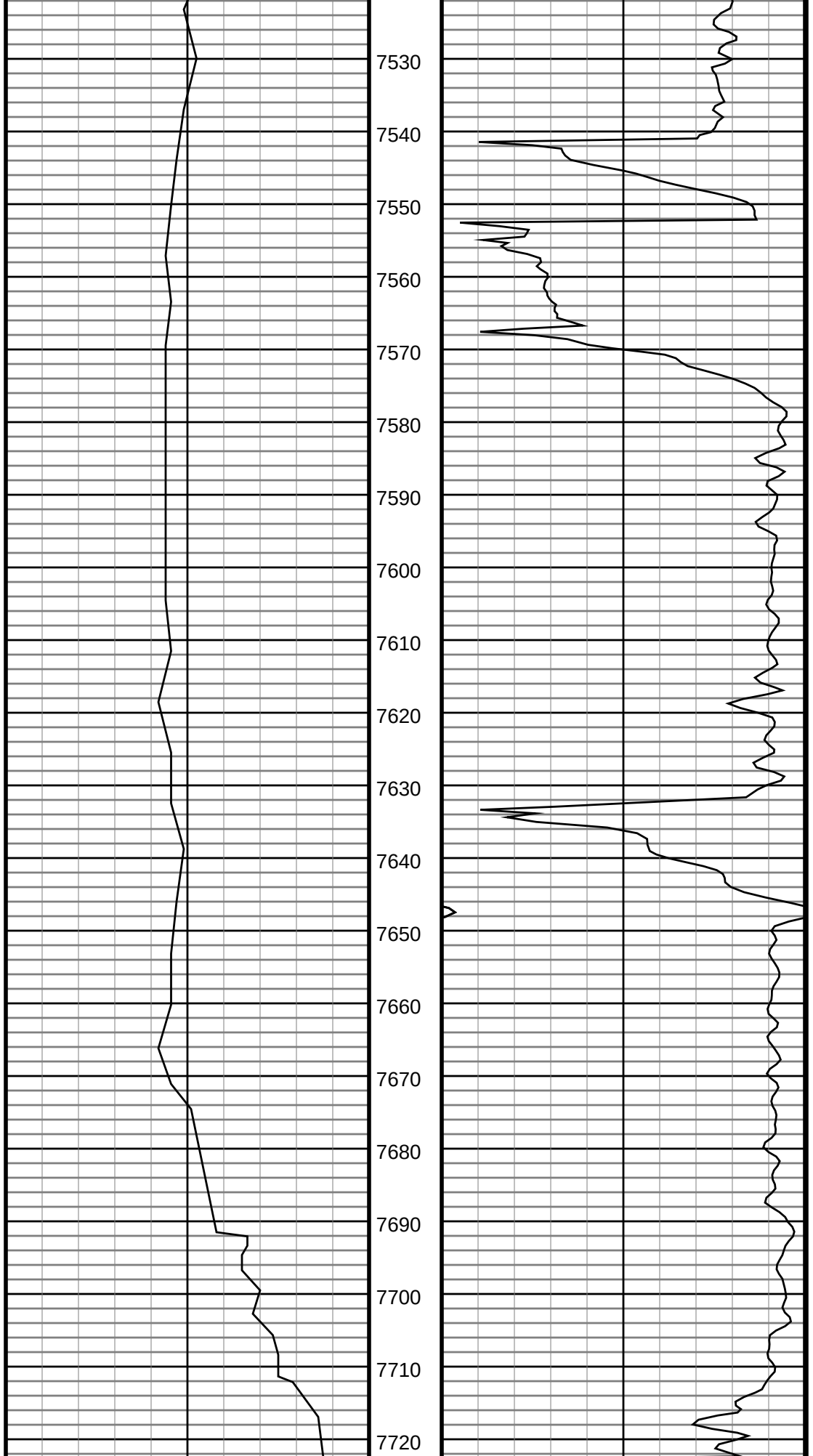

6430
6440
6450
6460
6470
6480
6490
6500
6510
6520
6530
6540
6550
6560
6570
6580
6590
6600
6610
6620
6630
6640
6650
6660

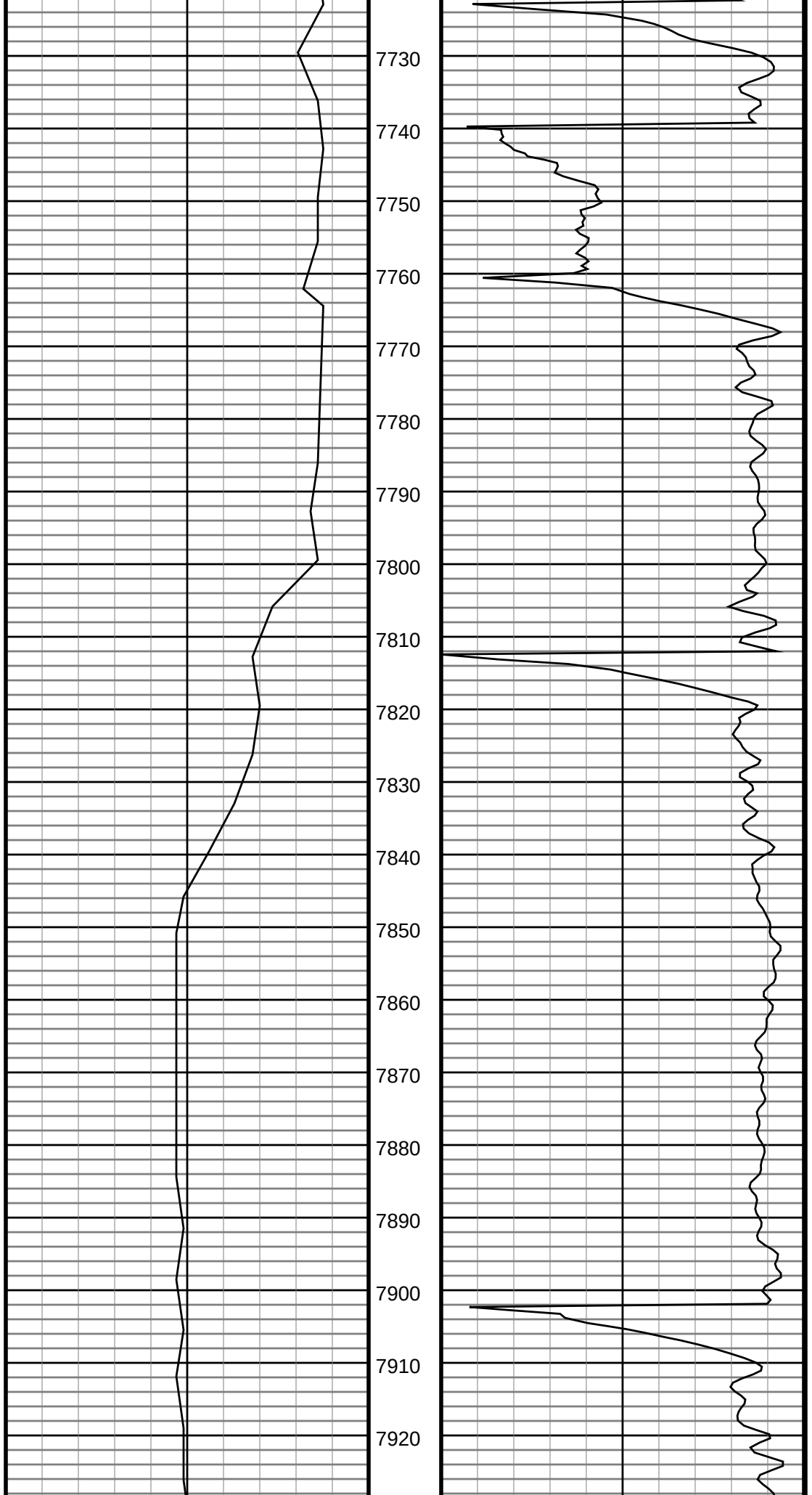

6670
6680
6690
6700
6710
6720
6730
6740
6750
6760
6770
6780
6790
6800
6810
6820
6830
6840
6850
6860
6870

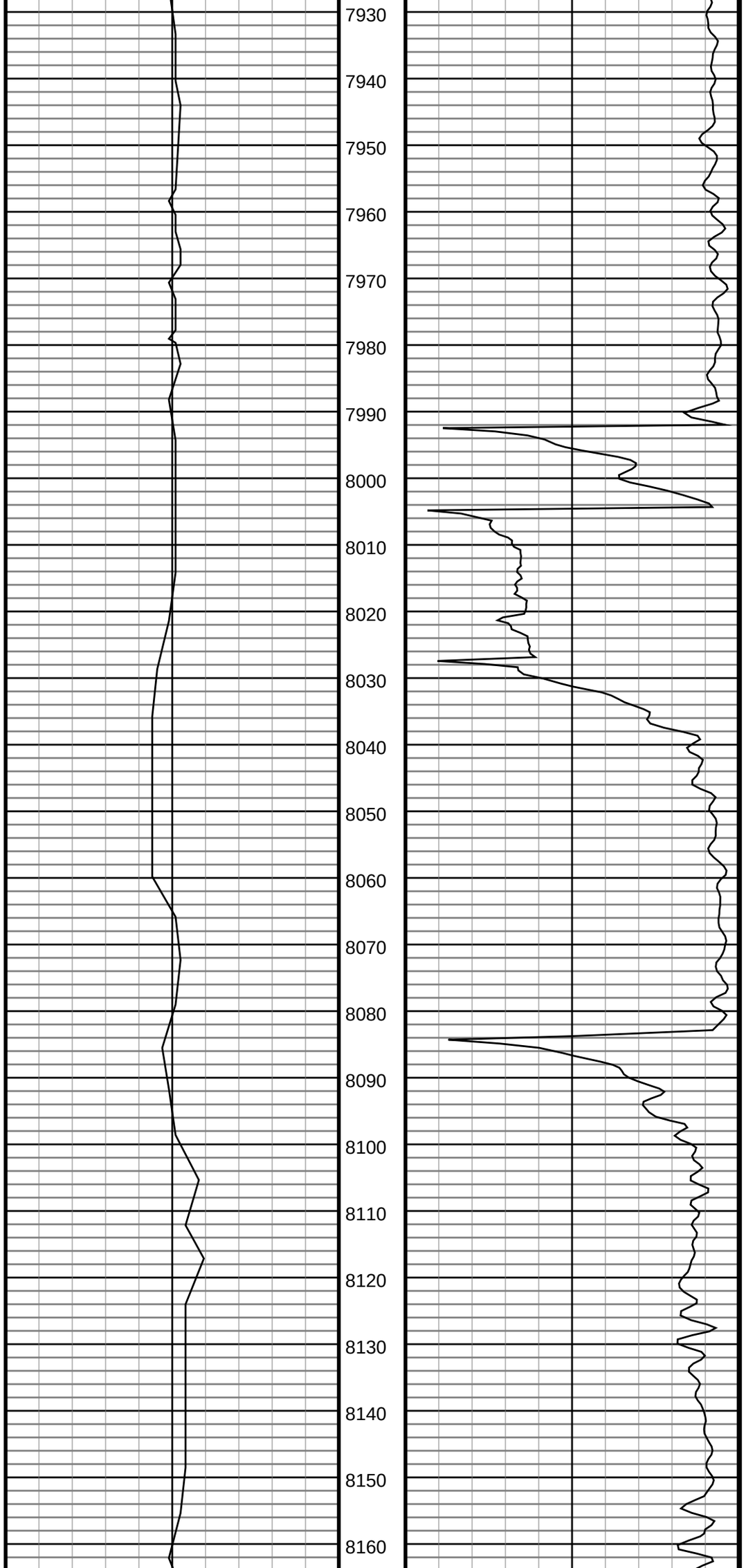

6880
6890
6900
6910
6920
6930
6940
6950
6960
6970
6980
6990
7000
7010
7020
7030
7040
7050
7060
7070
7080
7090

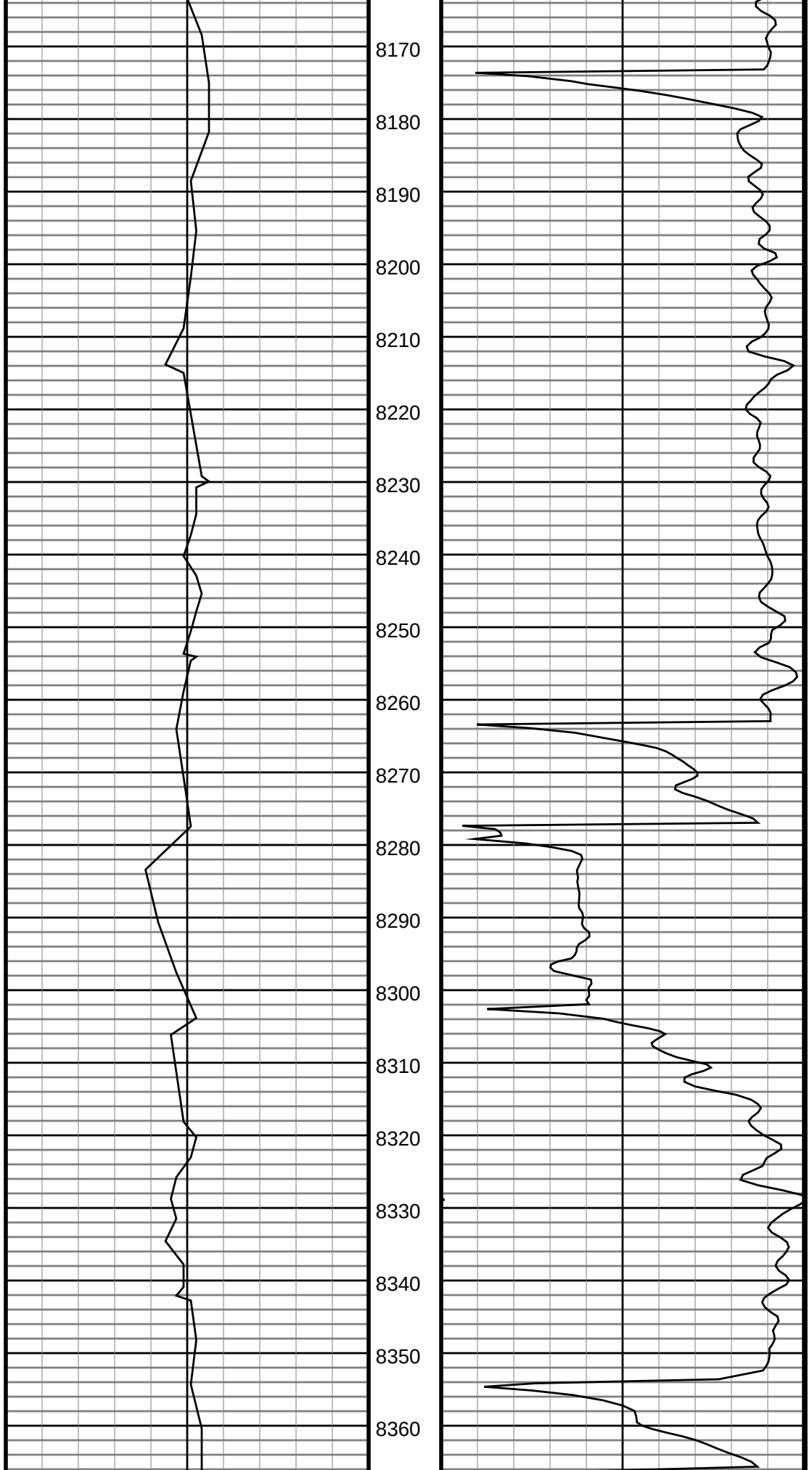

7100
7110
7120
7130
7140
7150
7160
7170
7180
7190
7200
7210
7220
7230
7240
7250
7260
7270
7280
7290
7300

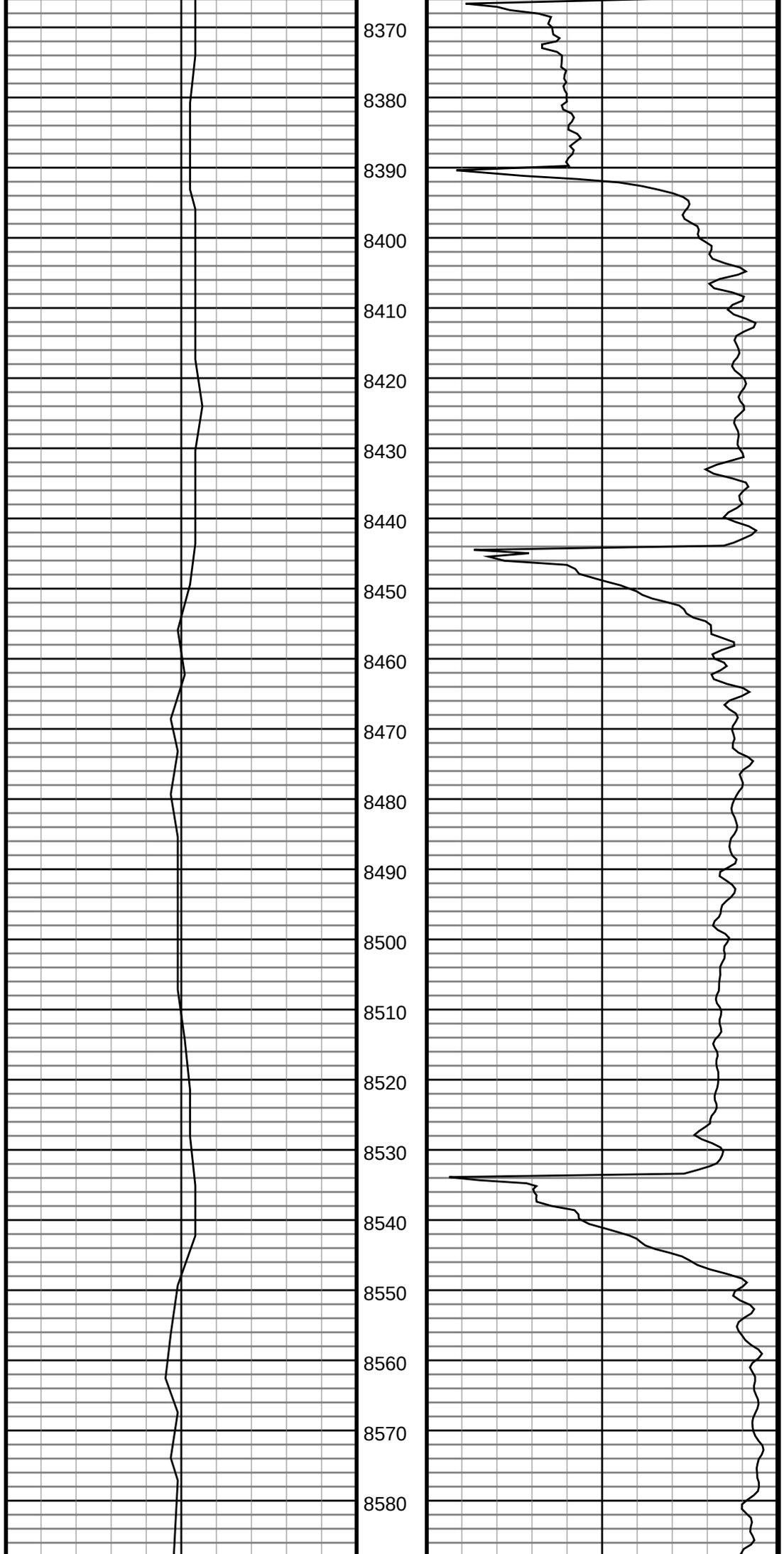

7310
7320
7330
7340
7350
7360
7370
7380
7390
7400
7410
7420
7430
7440
7450
7460
7470
7480
7490
7500
7510
7520

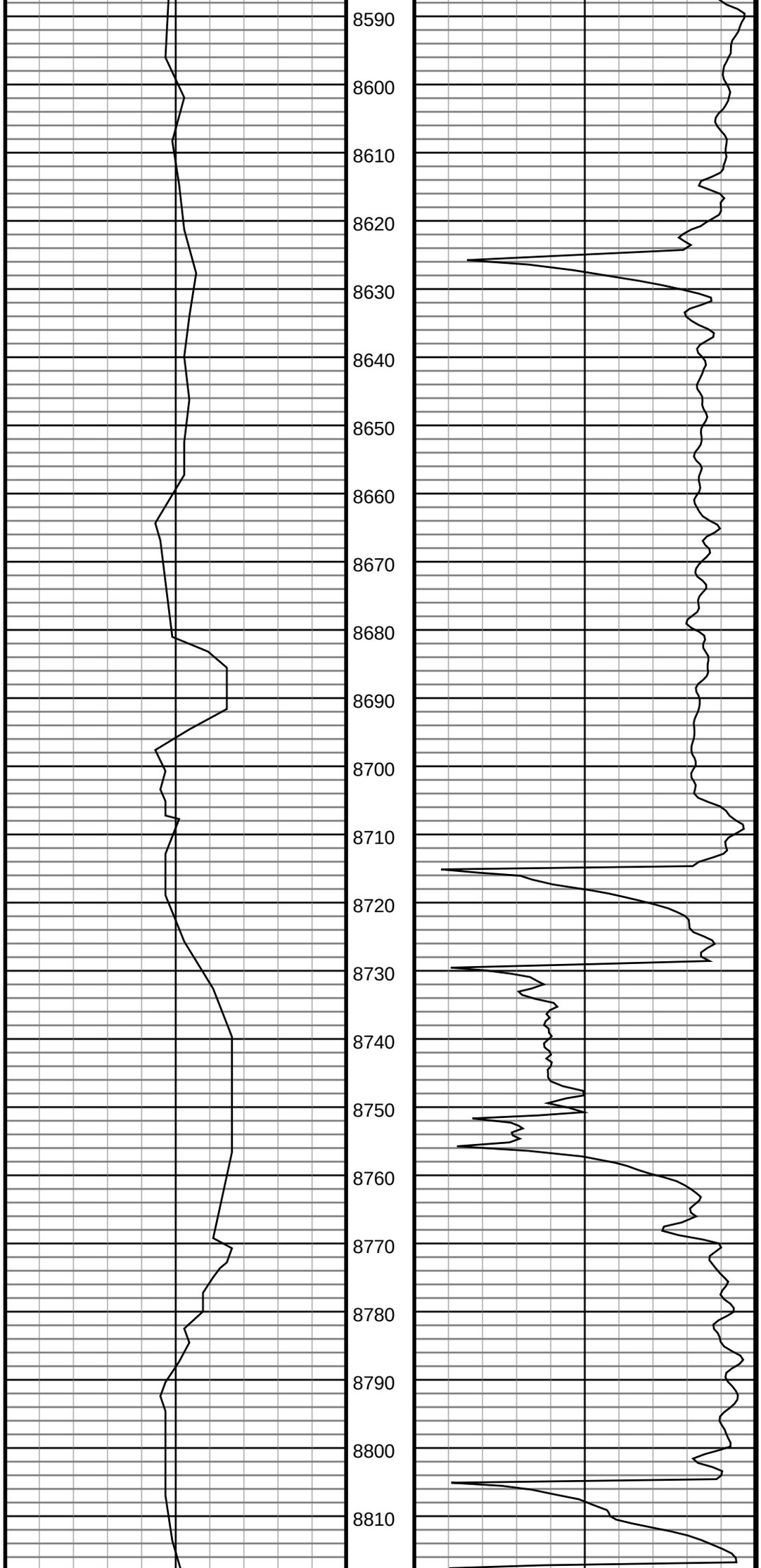

7530
7540
7550
7560
7570
7580
7590
7600
7610
7620
7630
7640
7650
7660
7670
7680
7690
7700
7710
7720

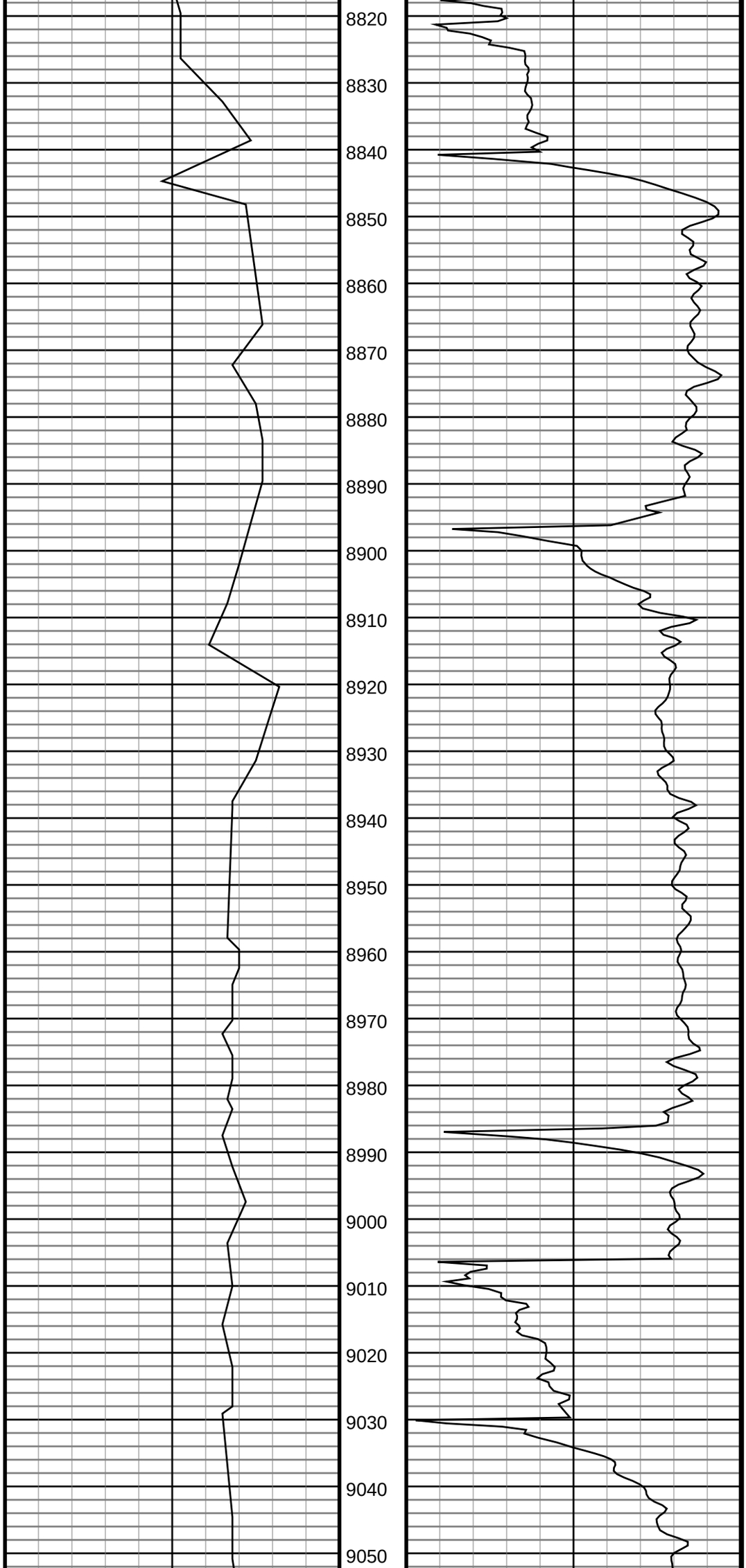

7730
7740
7750
7760
7770
7780
7790
7800
7810
7820
7830
7840
7850
7860
7870
7880
7890
7900
7910
7920

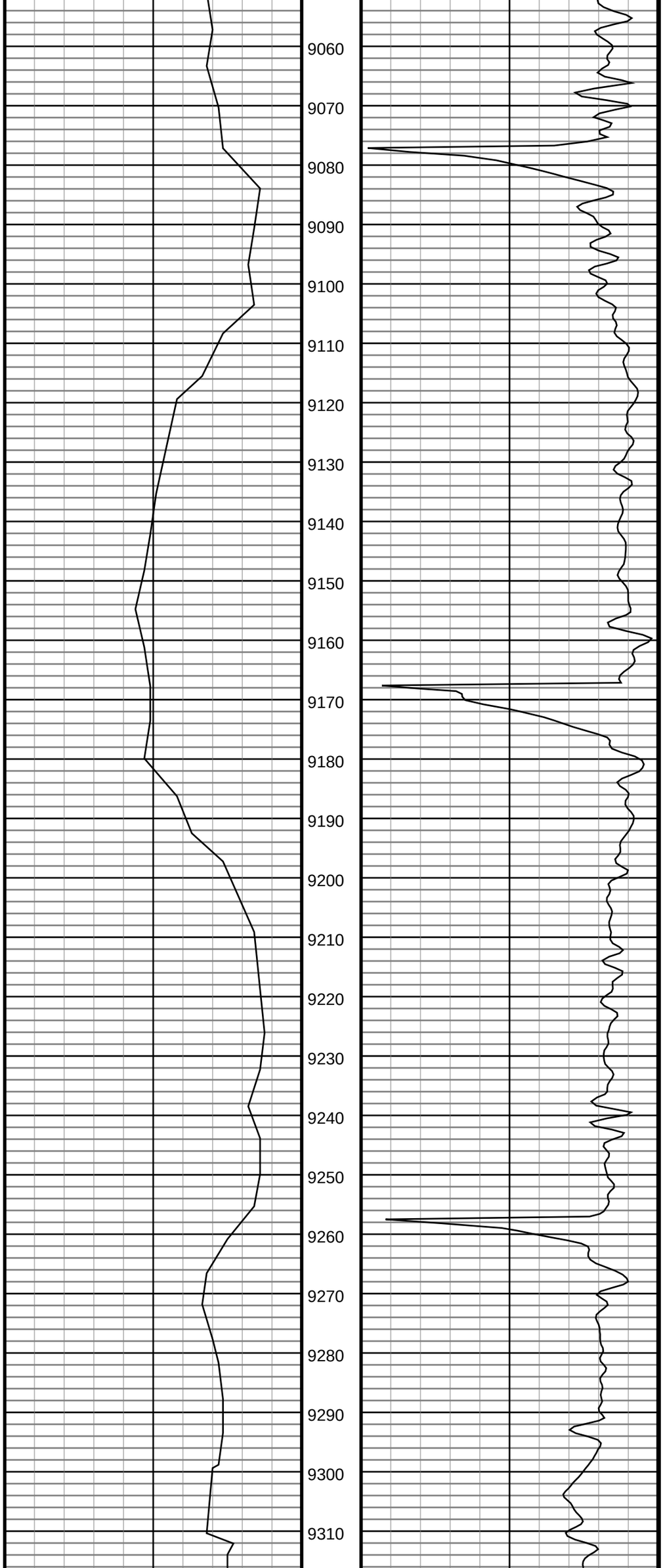

7930
7940
7950
7960
7970
7980
7990
8000
8010
8020
8030
8040
8050
8060
8070
8080
8090
8100
8110
8120
8130
8140
8150
8160

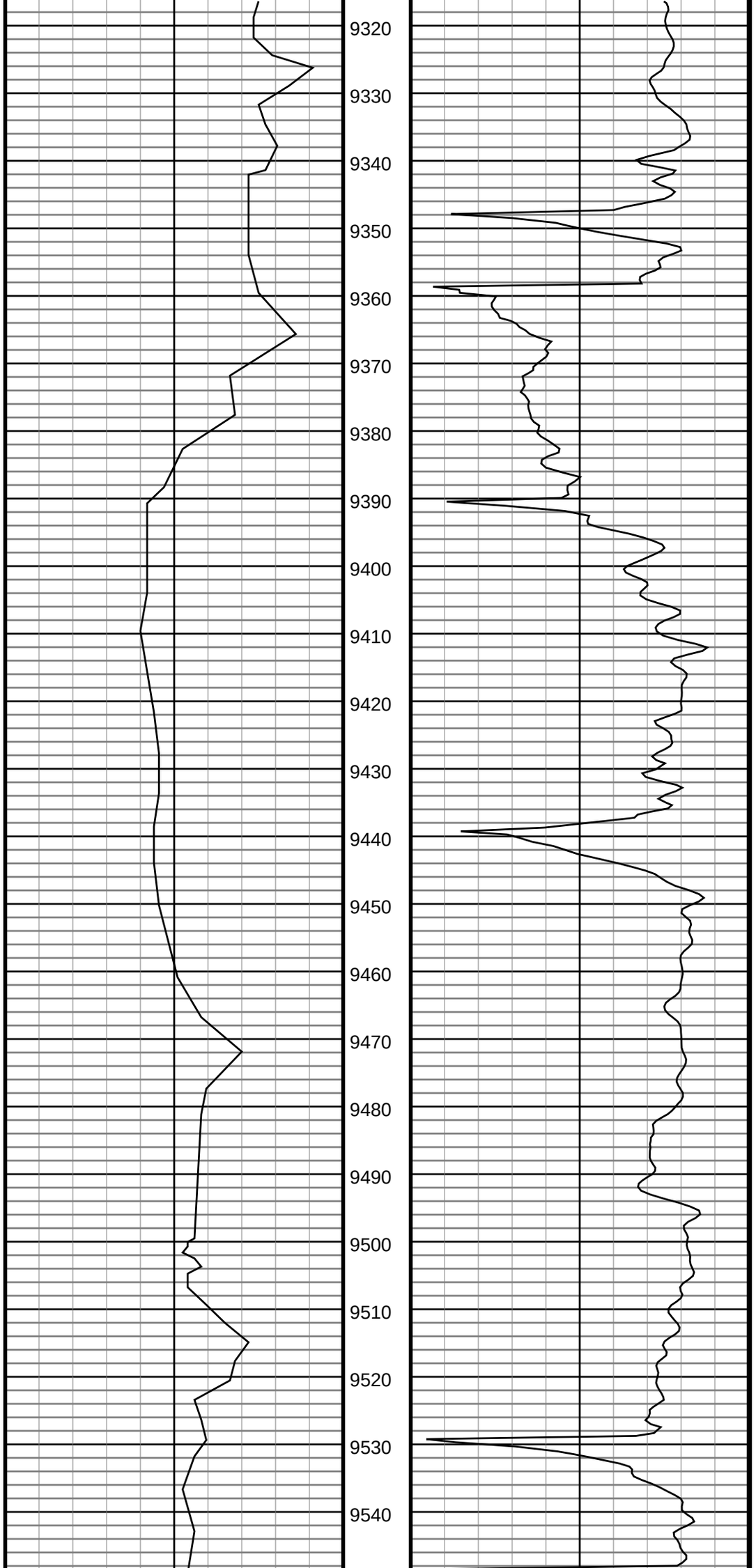

8170
8180
8190
8200
8210
8220
8230
8240
8250
8260
8270
8280
8290
8300
8310
8320
8330
8340
8350
8360

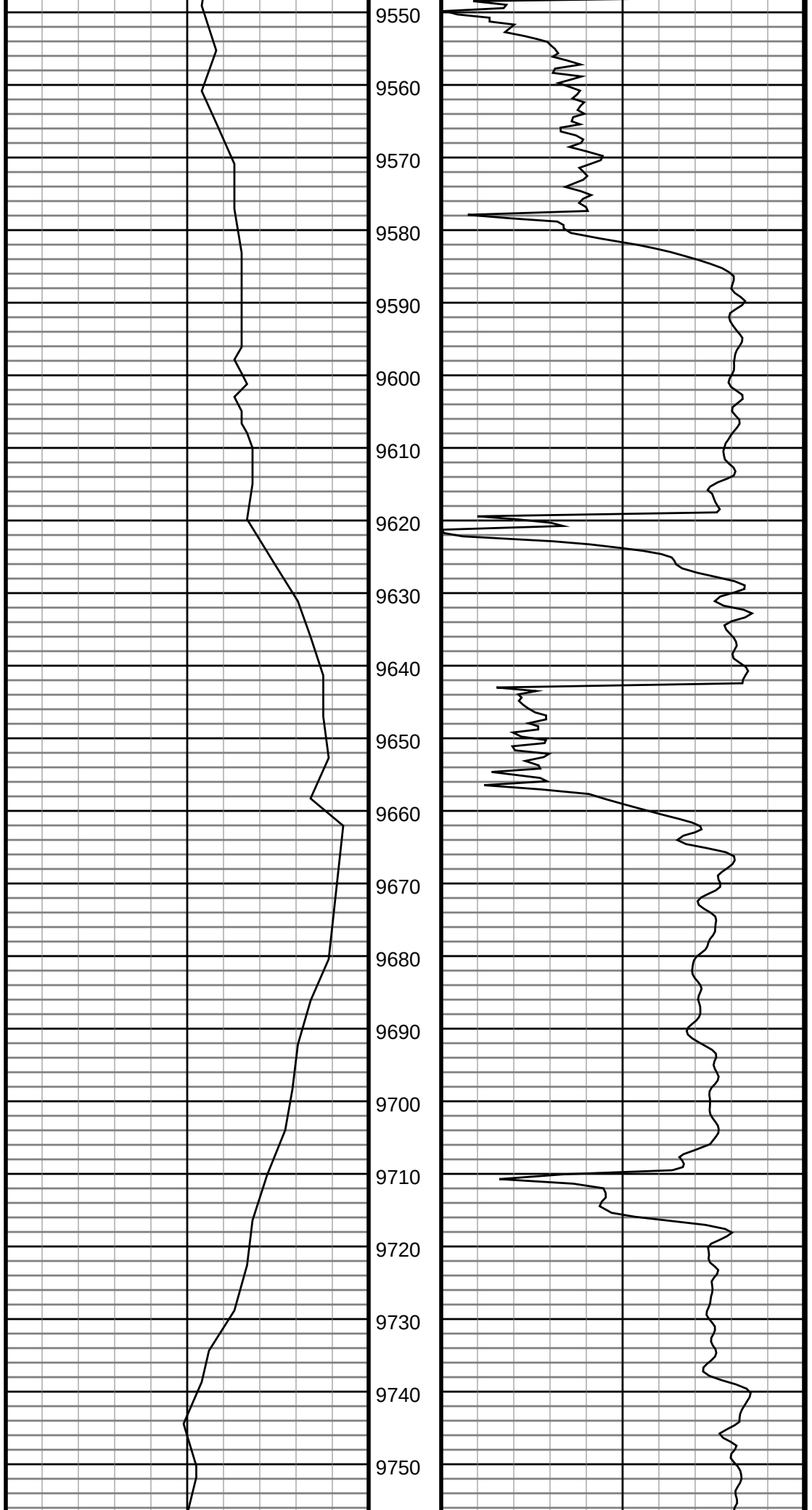

8370
8380
8390
8400
8410
8420
8430
8440
8450
8460
8470
8480
8490
8500
8510
8520
8530
8540
8550
8560
8570
8580

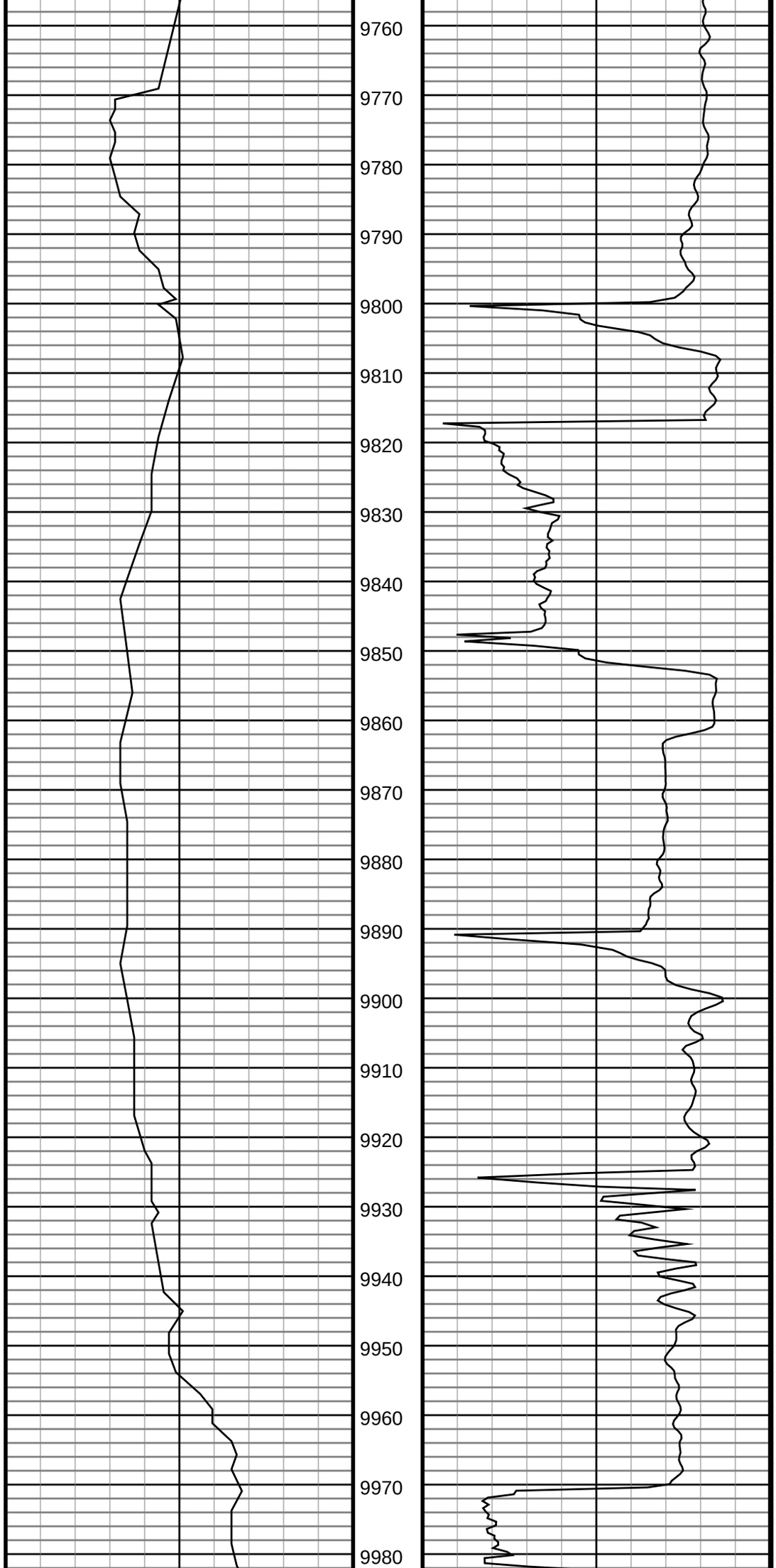

8590
8600
8610
8620
8630
8640
8650
8660
8670
8680
8690
8700
8710
8720
8730
8740
8750
8760
8770
8780
8790
8800
8810

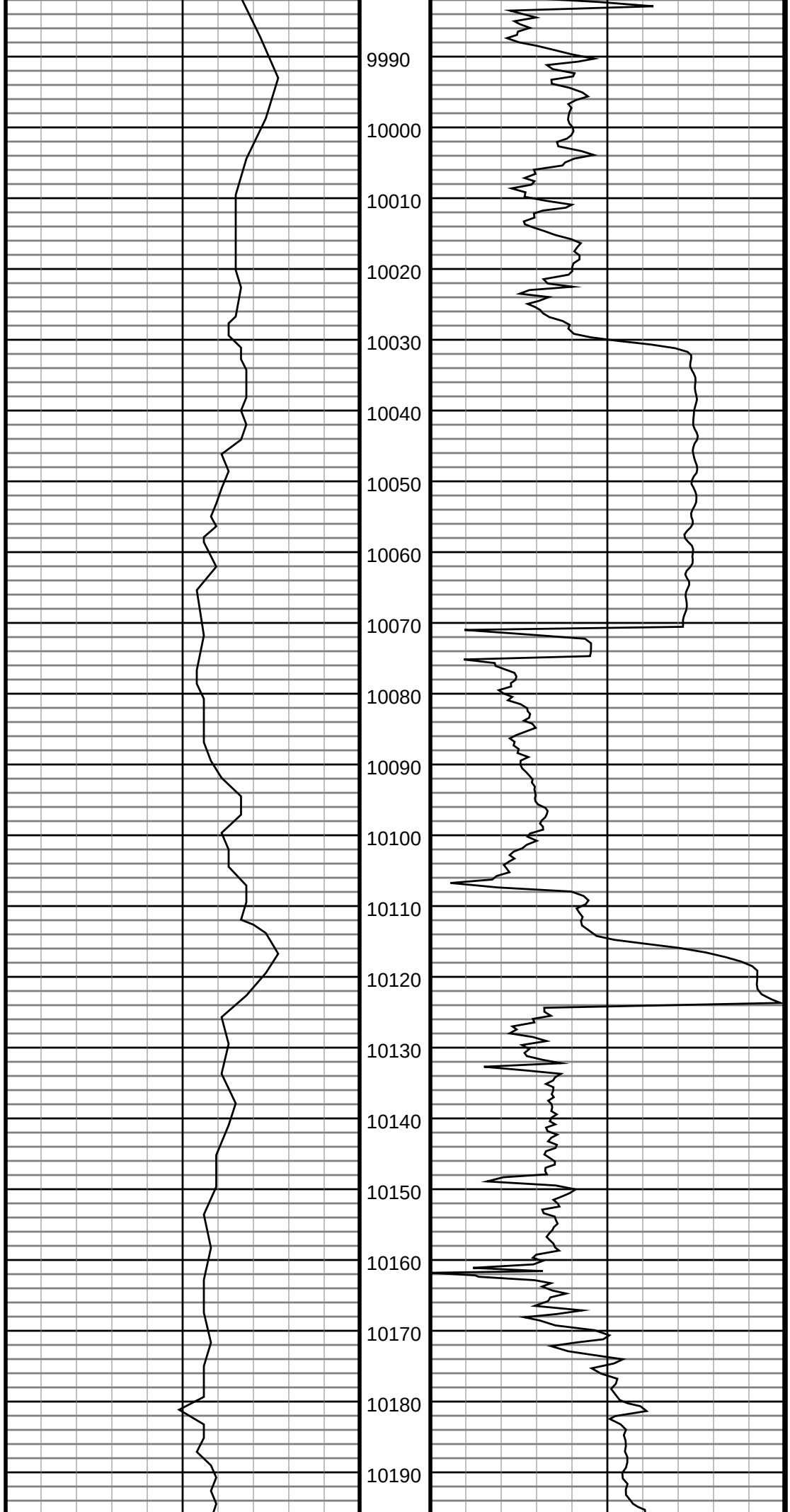

8820
8830
8840
8850
8860
8870
8880
8890
8900
8910
8920
8930
8940
8950
8960
8970
8980
8990
9000
9010
9020
9030
9040
9050

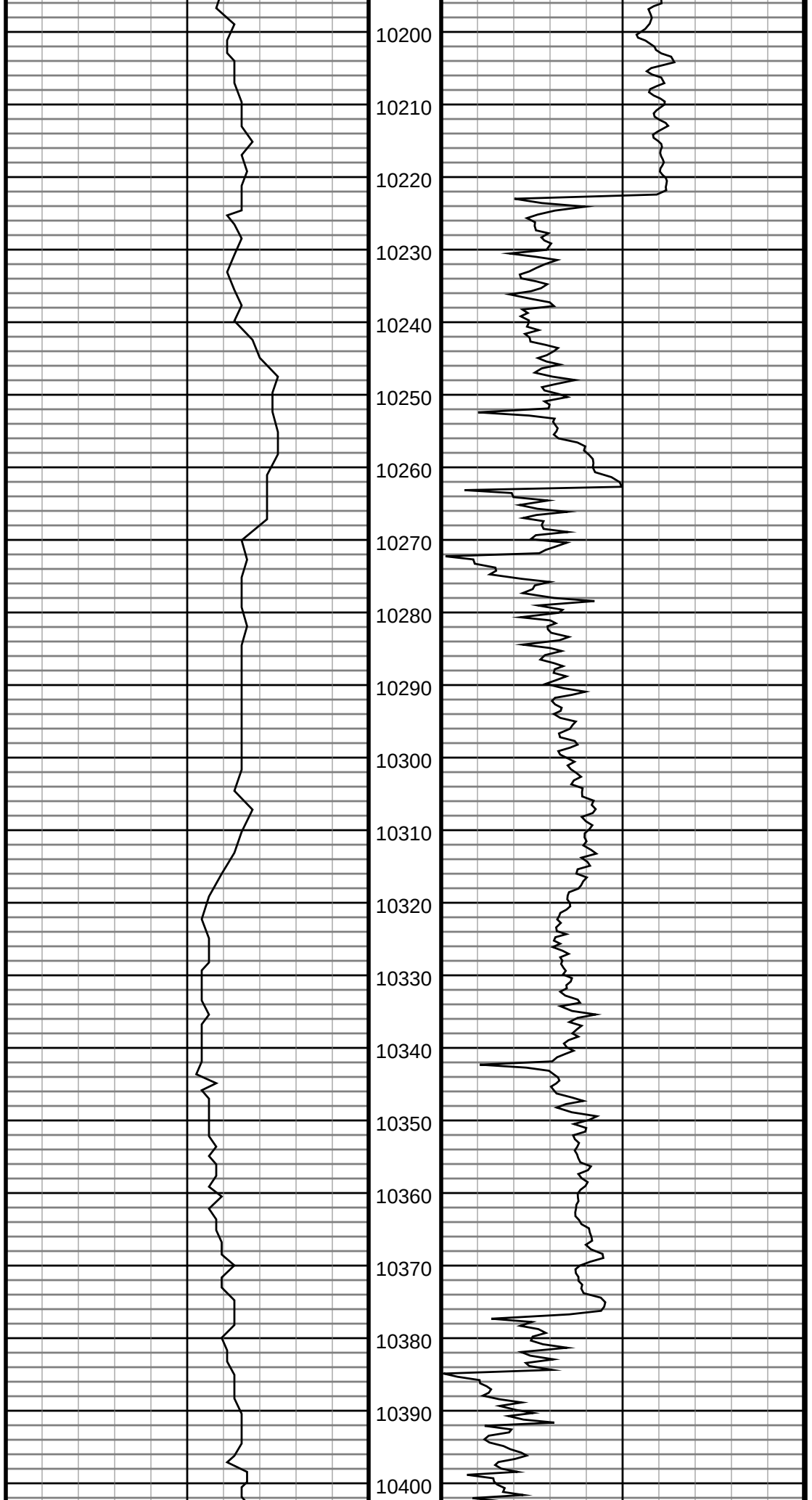

9060
9070
9080
9090
9100
9110
9120
9130
9140
9150
9160
9170
9180
9190
9200
9210
9220
9230
9240
9250
9260
9270
9280
9290
9300
9310

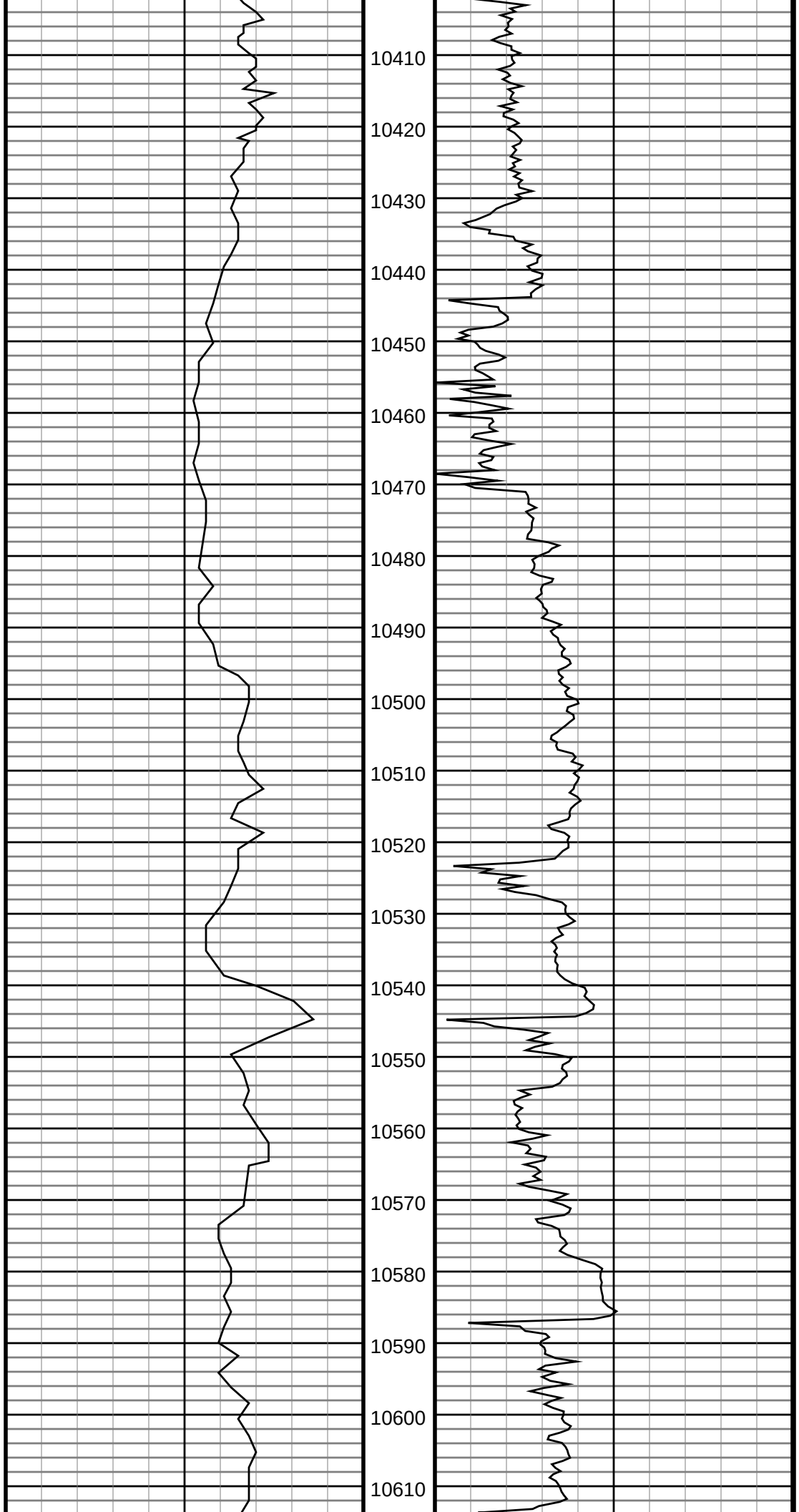

9320
9330
9340
9350
9360
9370
9380
9390
9400
9410
9420
9430
9440
9450
9460
9470
9480
9490
9500
9510
9520
9530
9540

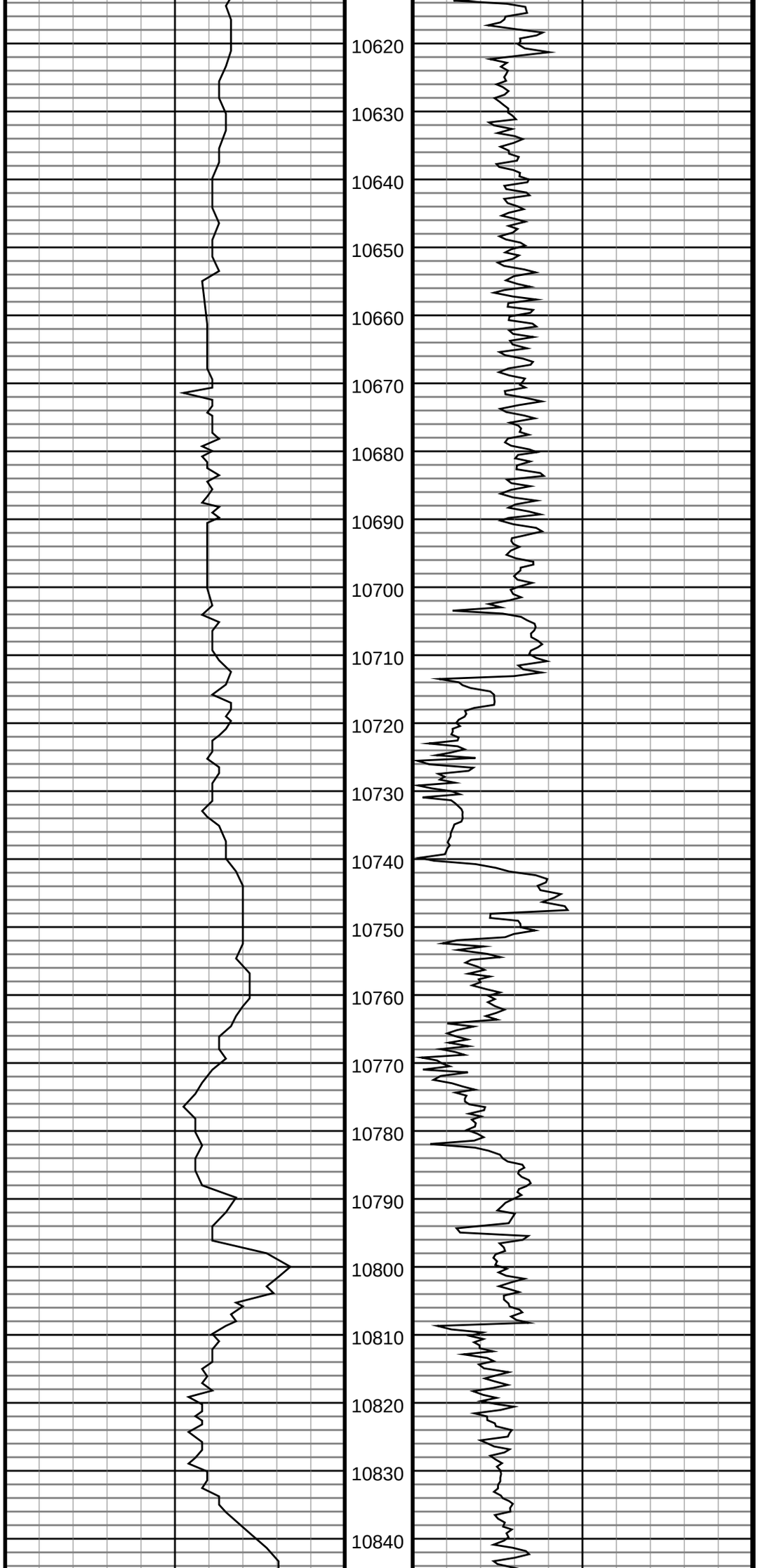

9550
9560
9570
9580
9590
9600
9610
9620
9630
9640
9650
9660
9670
9680
9690
9700
9710
9720
9730
9740
9750

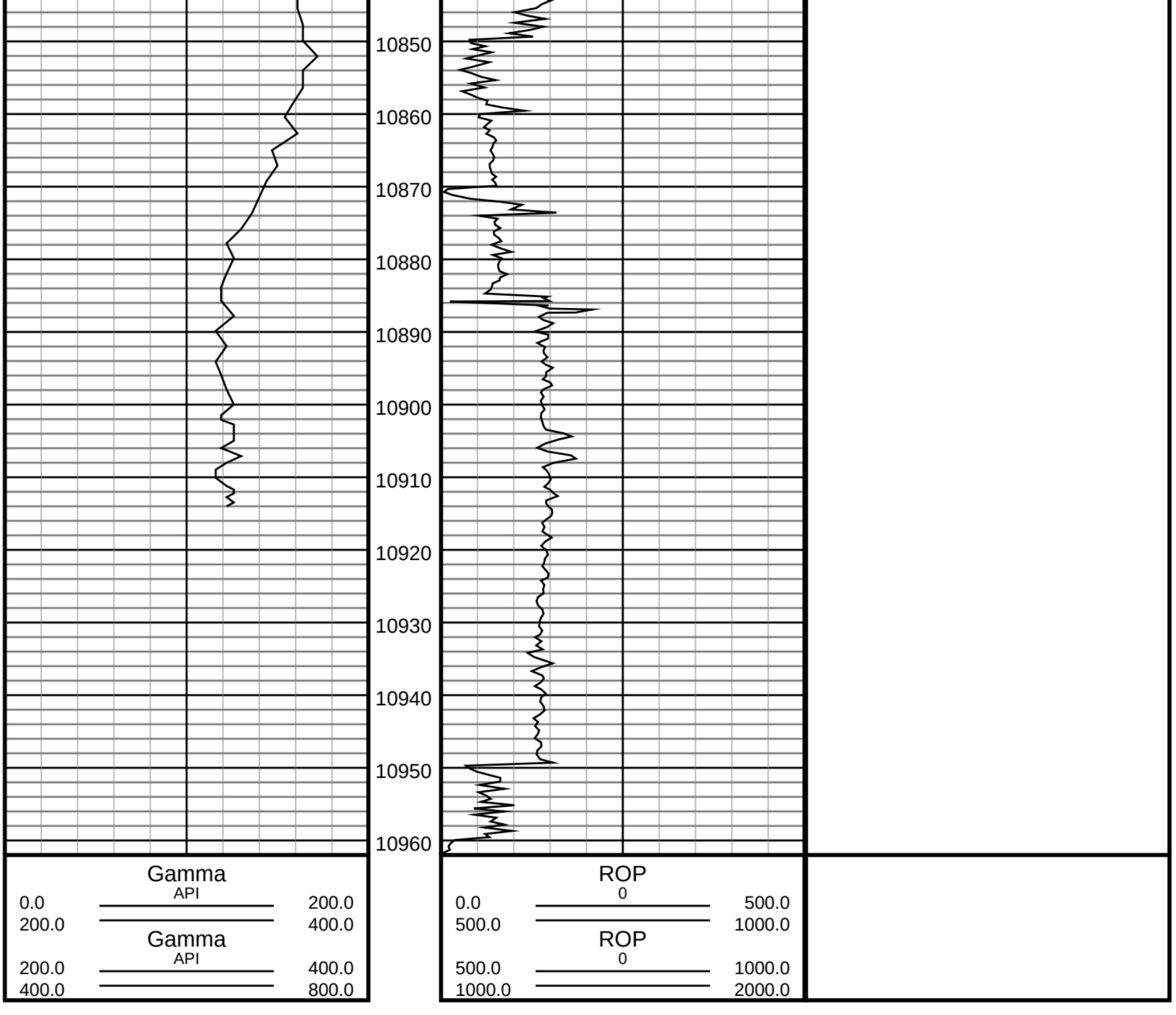

9760
9770
9780
9790
9800
9810
9820
9830
9840
9850
9860
9870
9880
9890
9900
9910
9920
9930
9940
9950
9960
9970
9980


9990
10000
10010
10020
10030
10040
10050
10060
10070
10080
10090
10100
10110
10120
10130
10140
10150
10160
10170
10180
10190


10200
10210
10220
10230
10240
10250
10260
10270
10280
10290
10300
10310
10320
10330
10340
10350
10360
10370
10380
10390
10400


10410
10420
10430
10440
10450
10460
10470
10480
10490
10500
10510
10520
10530
10540
10550
10560
10570
10580
10590
10600
10610


10620
10630
10640
10650
10660
10670
10680
10690
10700
10710
10720
10730
10740
10750
10760
10770
10780
10790
10800
10810
10820
10830
10840


10850
10860
10870
10880
10890
10900
10910
10920
10930
10940
10950
10960
Gamma
API
0.0
200.0
200.0
400.0
Gamma
API
200.0
400.0
400.0
800.0
ROP
0
0.0
500.0
500.0
1000.0
ROP
0
500.0
1000.0
1000.0
2000.0