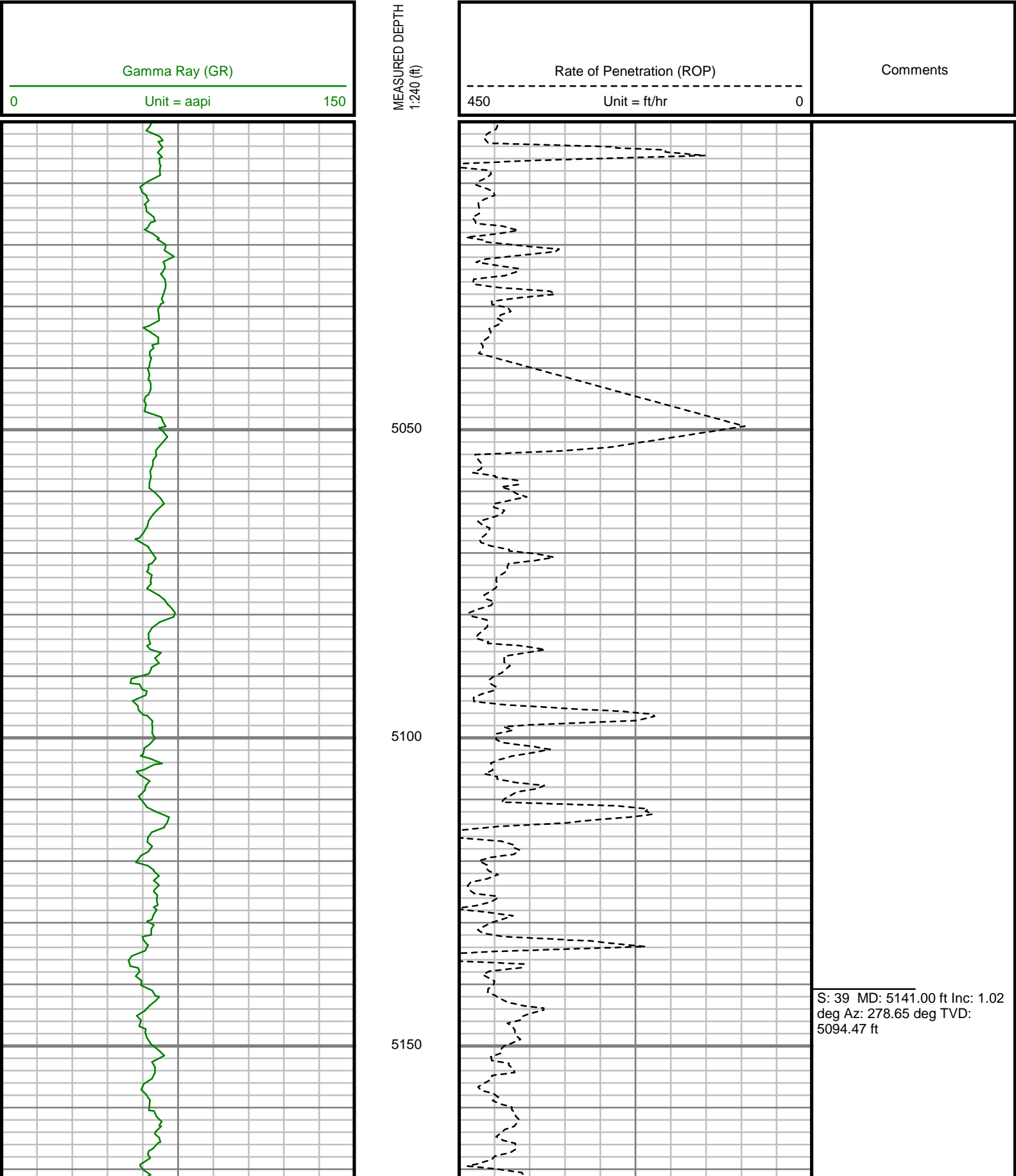


5" = 100' FEET MD

COMPANY : ENCANA OIL AND GAS (U.S.A.) INC WELL : RODMAN BRUNTZ 2D-26H FIELD : WATTENBURG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-37758										COMPANY : ENCANA OIL AND GAS (U.S.A.) INC WELL : RODMAN BRUNTZ 2D-26H FIELD : WATTENBURG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-37758									
WELL LOCATION LAT:40°6'53.640"N LONG:104°44'47.868"W N:1285597.18 ft E:3210701.18 ft SEC:26 TWP:2N RANGE:66W										OTHER SERVICES DIRECTIONAL ROP									
DEPTH REF. : R.K.B. REF. HEIGHT : 13.000 ft GROUND LEVEL : 5098.000 ft										R.K.B. to Ground Level G.L. to MEAN SEA LEVEL									
BOREHOLE RECORD						DEVIATION RECORD													
HOLE SIZE in	FROM ft	TO ft	INCLINATION deg			FROM ft	TO ft												
12.25	0	1241	0 - 12			0	7007												
8.75	1241	7739	12 - 82			7007	7739												
6.125	7739	14700	82 - 92			7739	14700												
CASING RECORD																			
CASING SIZE in	FROM ft	TO ft																	
9.625	0	1231																	
7	0	7929																	
						DRILLING CO.: ENSIGN RIG: 124													
						LMD UNIT NO.: C-70						DISTRICT: CASPER							
						SPUD DATE: 11/01/2013													
						LMD START DATE: 11/03/2013						DEPTH: 5000 ft							
						LMD END DATE: 11/13/2013						DEPTH: 14700 ft							
												TOTAL DEPTH: 14700 ft							

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 interpretations, 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 as set out in our current price schedule.

ENCANA OIL AND GAS (U.S.A.) INC
RODMAN BRUNTZ 2D-26H
WATTENBURG FIELD
WELD COUNTY, COLORADO
05-123-37758



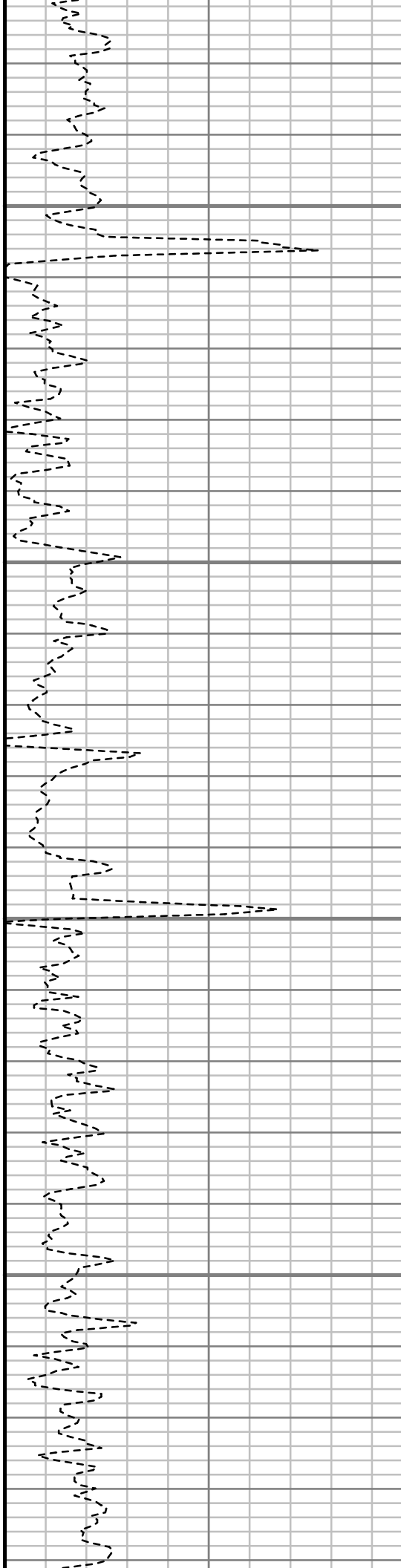


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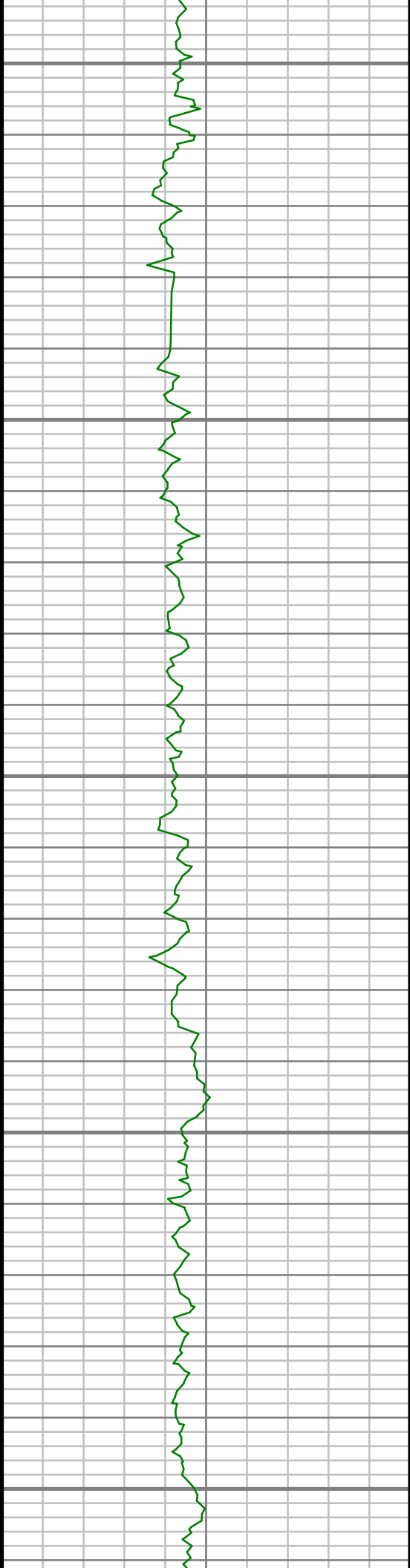
5250

5300

5350



S: 40 MD: 5331.00 ft Inc: 1.27
deg Az: 262.86 deg TVD:
5284.44 ft



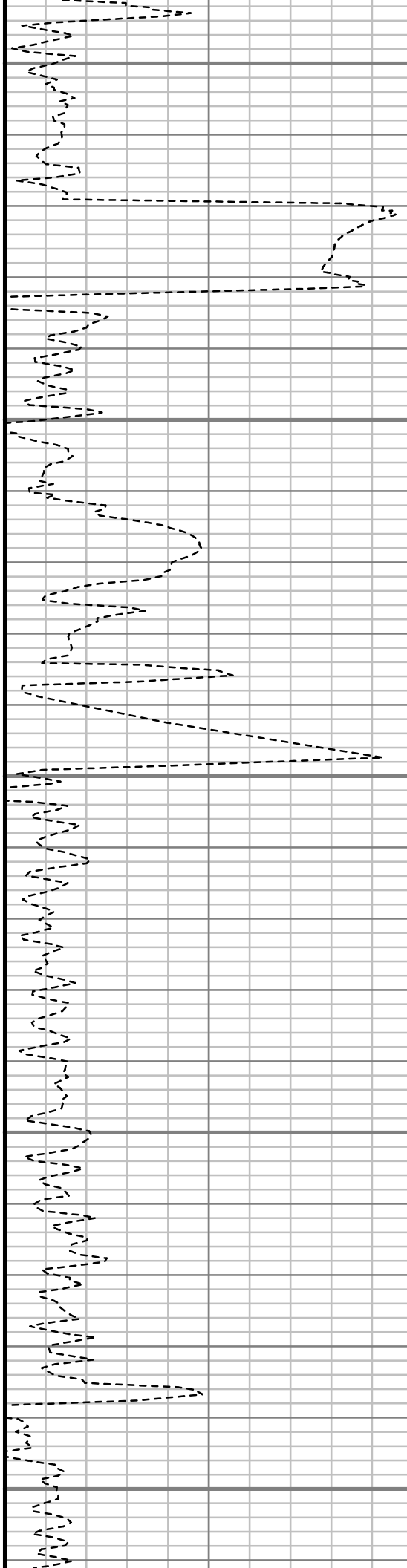
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5450

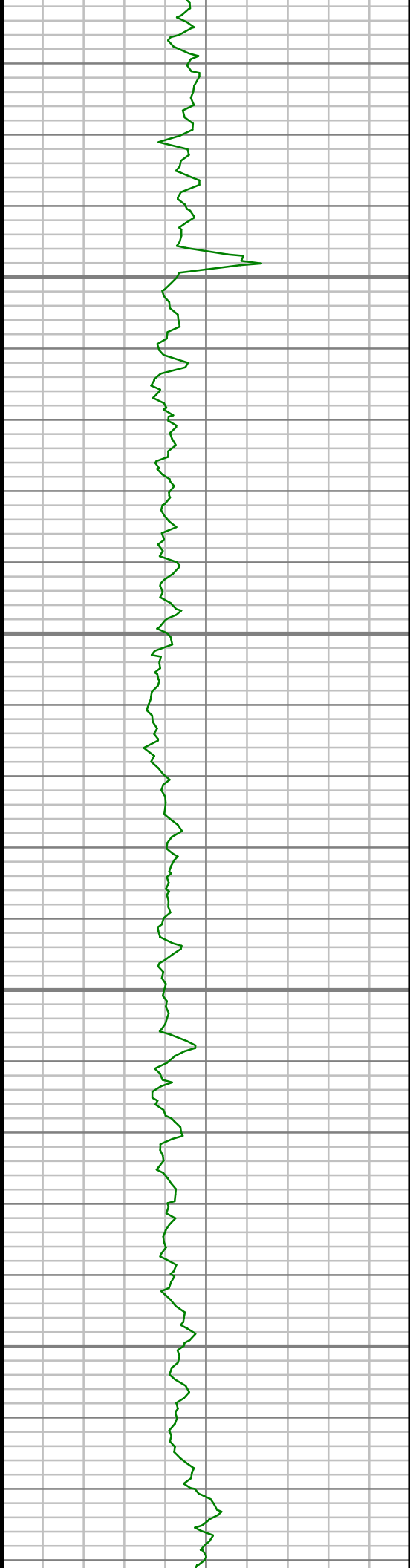
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5550

5600



S: 41 MD: 5521.00 ft Inc: 0.98
deg Az: 12.35 deg TVD:
5474.42 ft

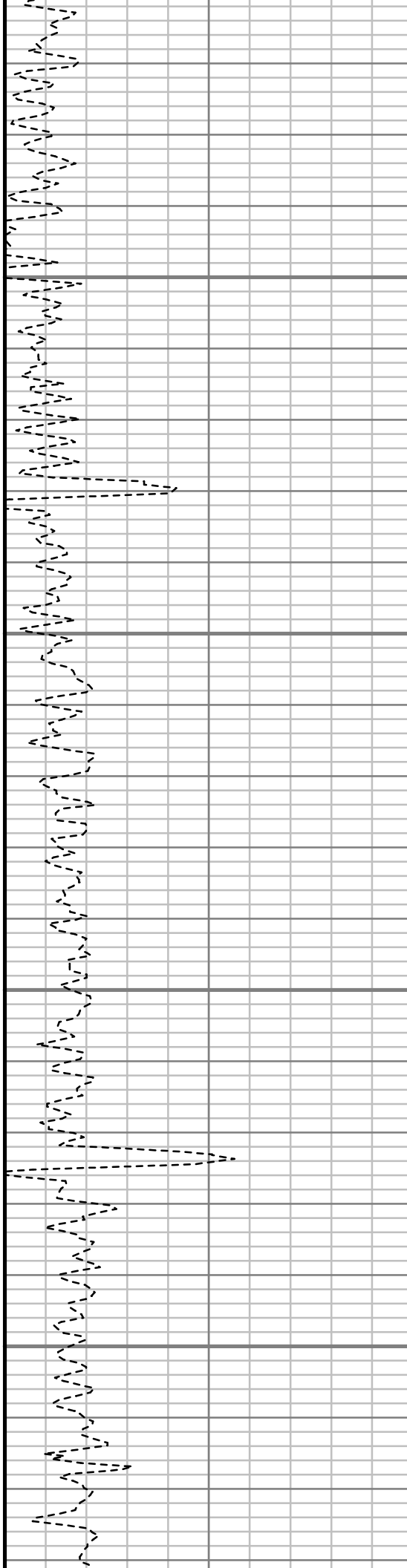


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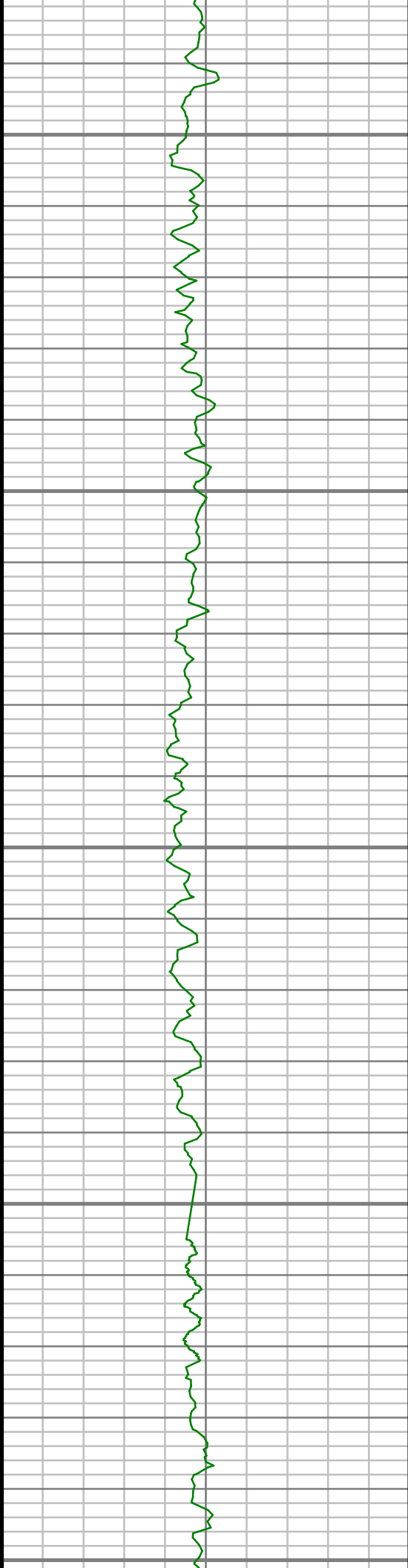
5700

5750

5800



S: 42 MD: 5710.00 ft Inc: 1.12
deg Az: 352.35 deg TVD:
5663.38 ft



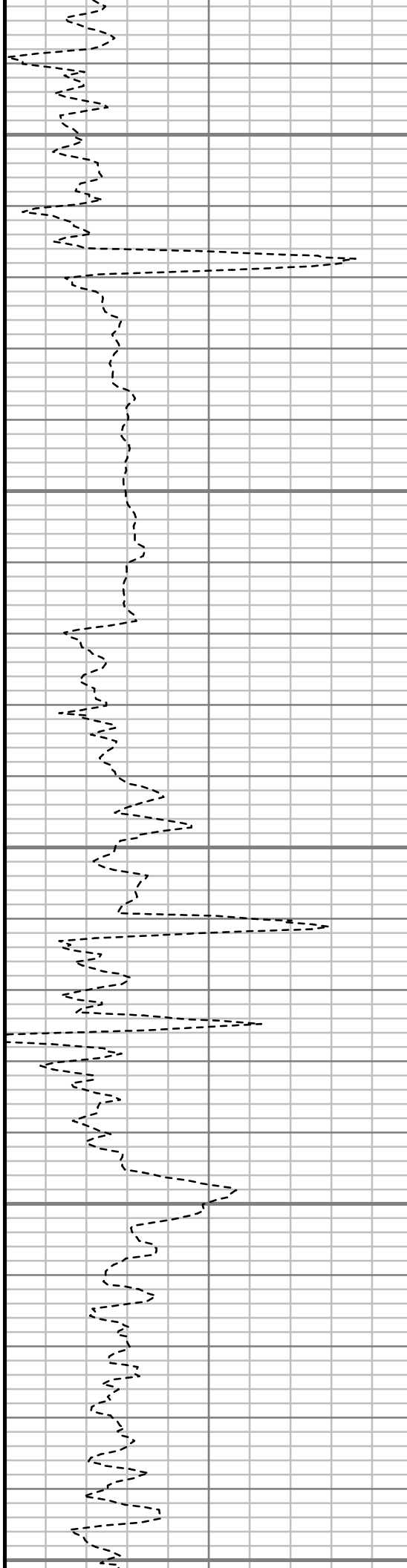
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5900

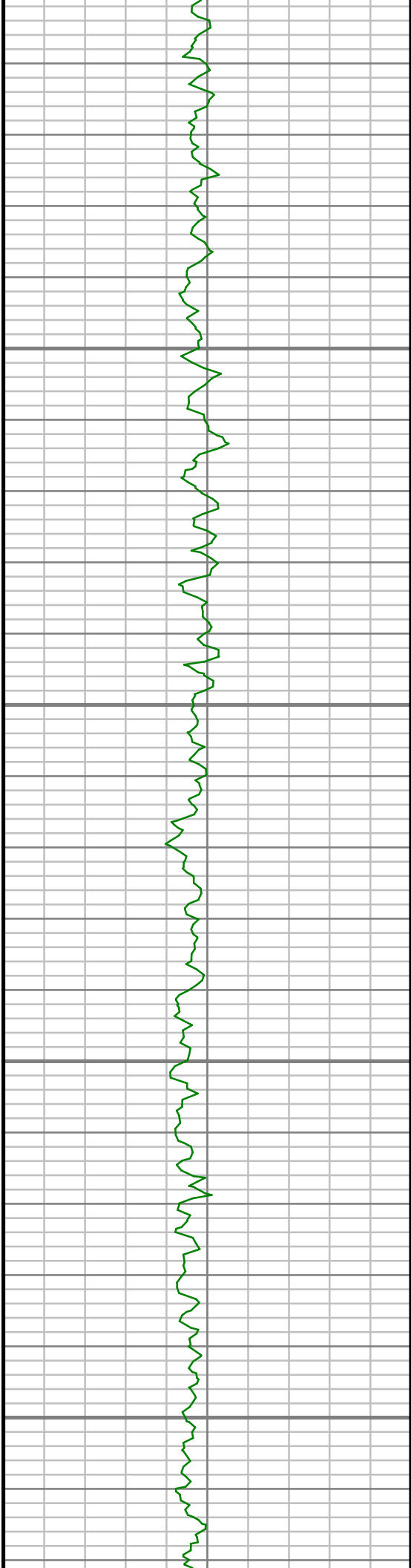
5950

6000

6050



S: 43 MD: 5900.00 ft Inc: 1.26
deg Az: 351.95 deg TVD:
5853.34 ft

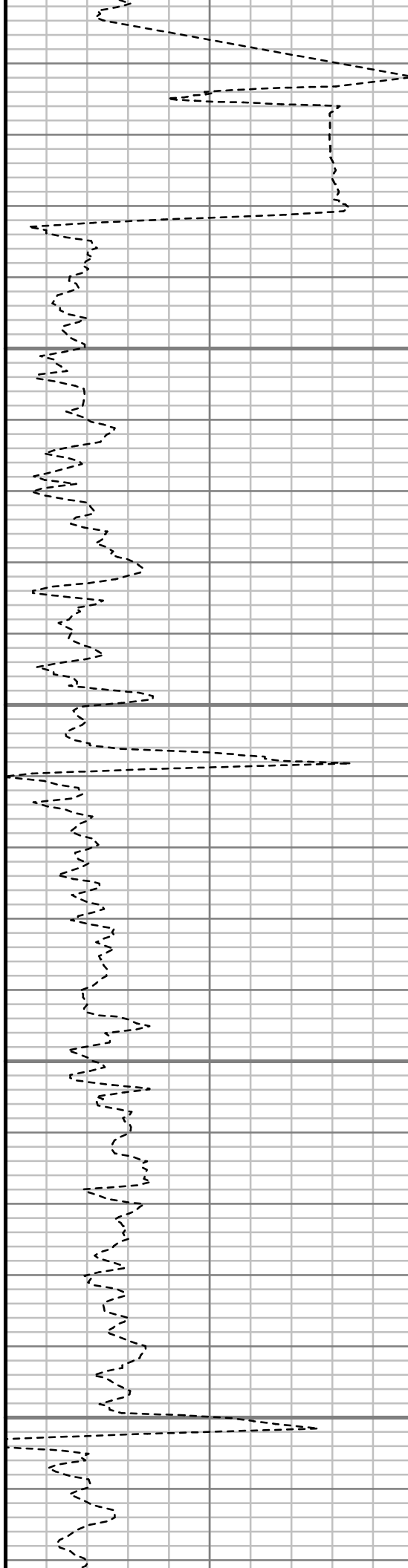


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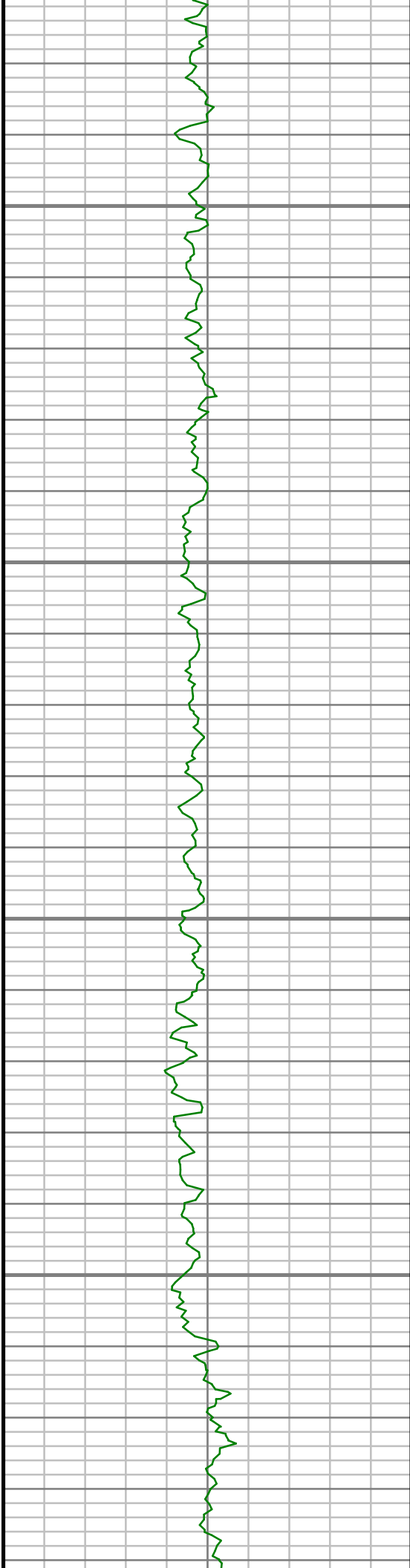
6150

6200

6250



S: 44 MD: 6090.00 ft Inc: 2.03
deg Az: 105.29 deg TVD:
6043.30 ft

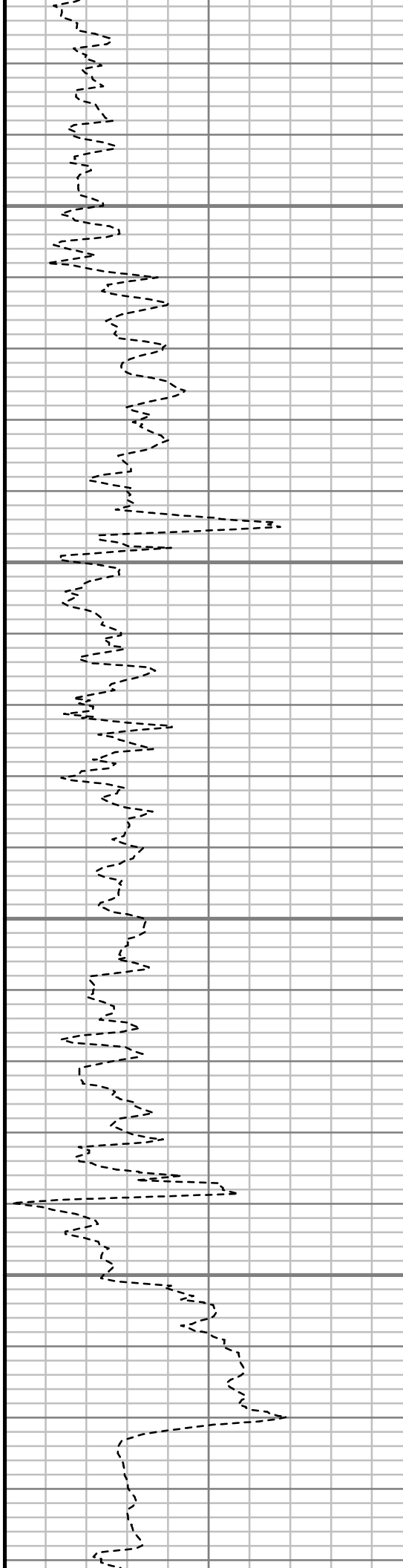


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6350

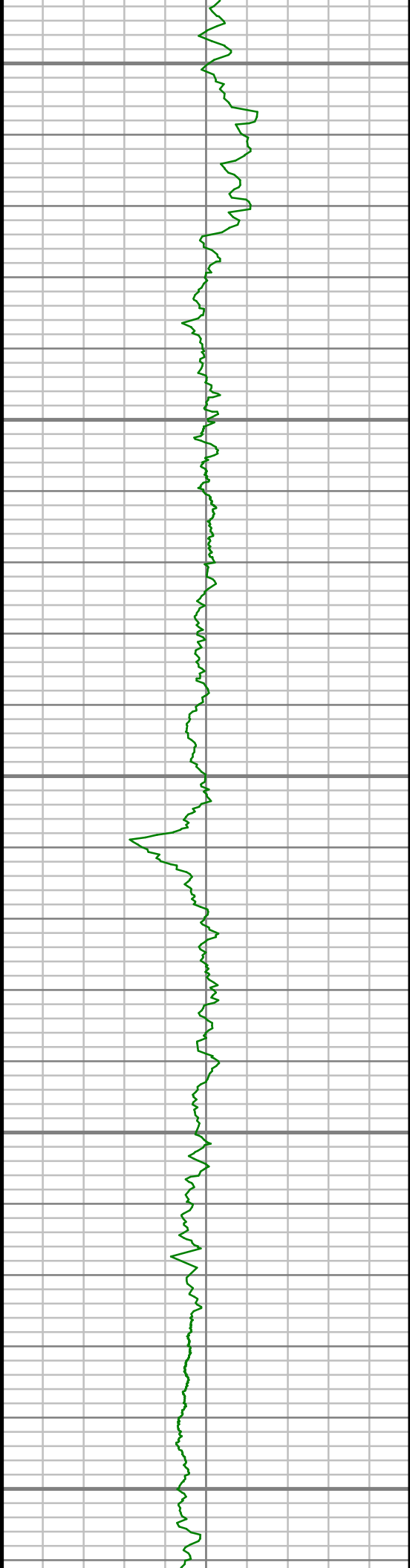
6400

6450



S: 45 MD: 6280.00 ft Inc: 0.40
deg Az: 12.96 deg TVD:
6233.26 ft

S: 46 MD: 6469.00 ft Inc: 1.10
deg Az: 343.41 deg TVD:
6422.24 ft



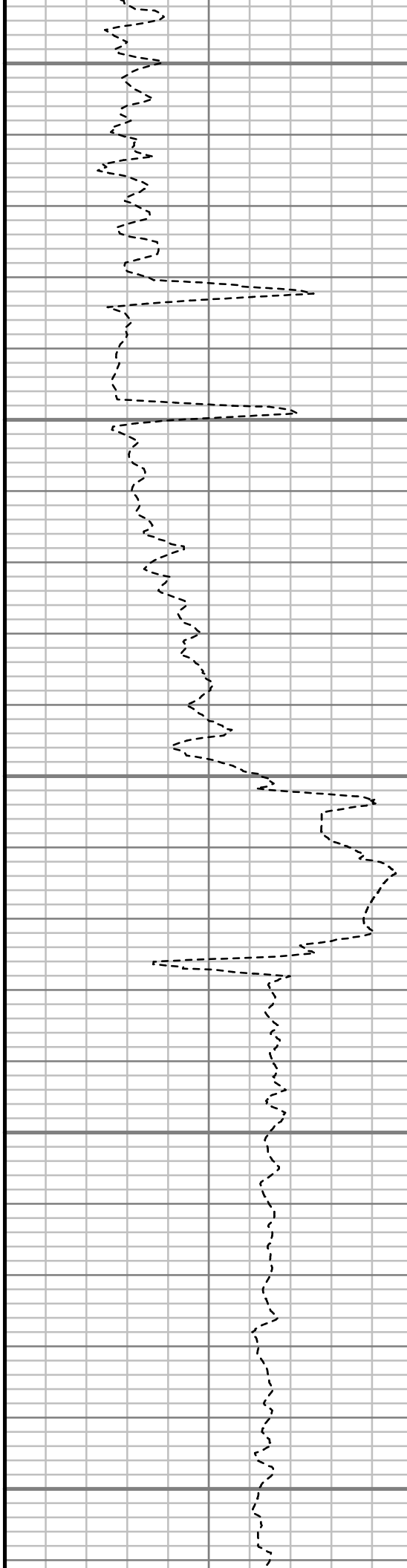
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6550

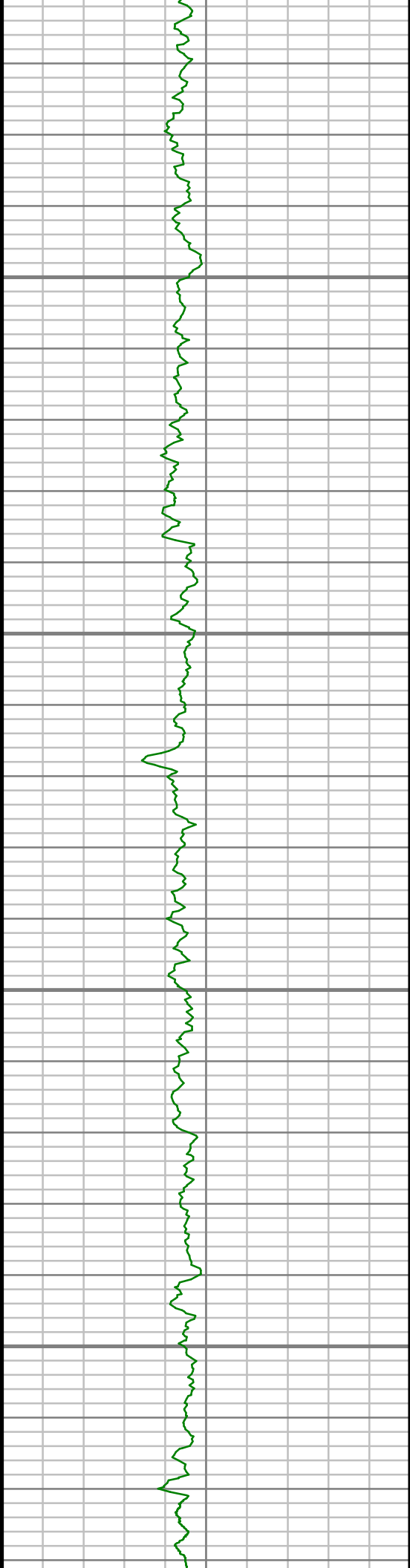
6600

6650

6700



S: 47 MD: 6659.00 ft Inc: 0.80
deg Az: 334.91 deg TVD:
6612.21 ft

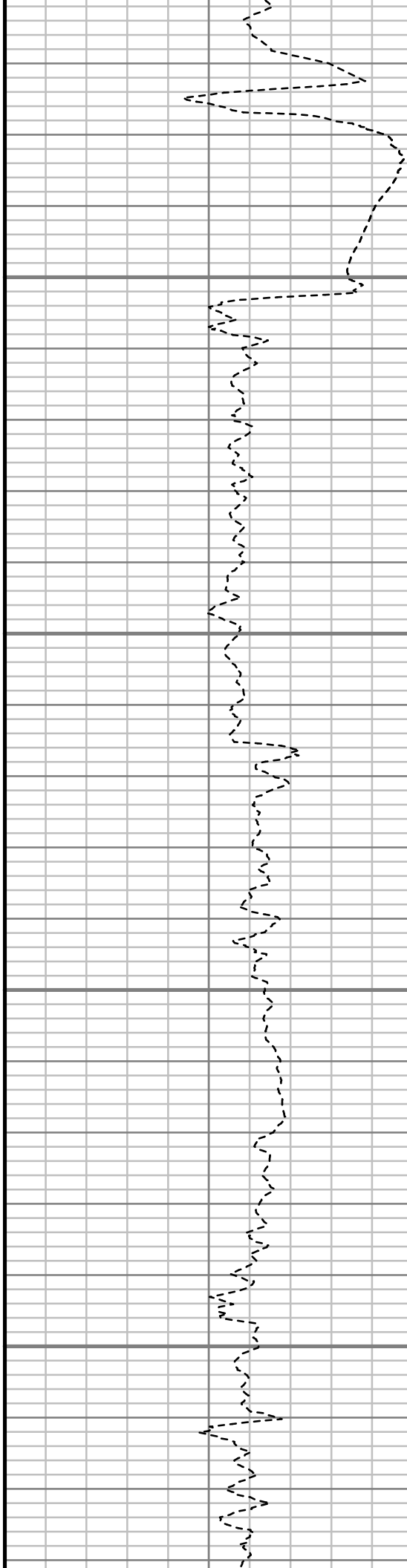


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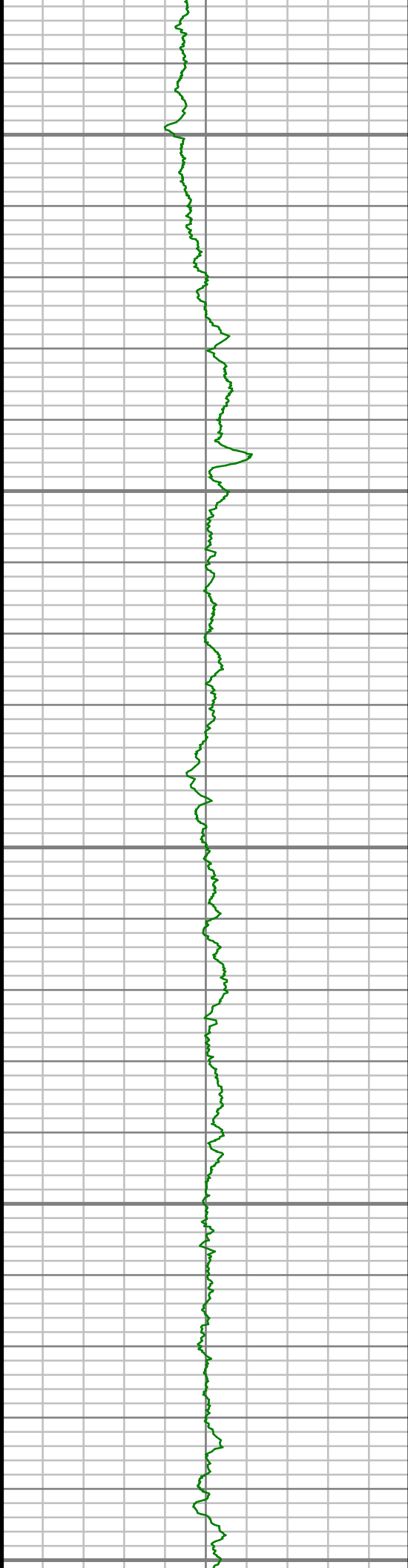
6800

6850

6900



S: 48 MD: 6849.00 ft Inc: 0.10
deg Az: 347.26 deg TVD:
6802.21 ft



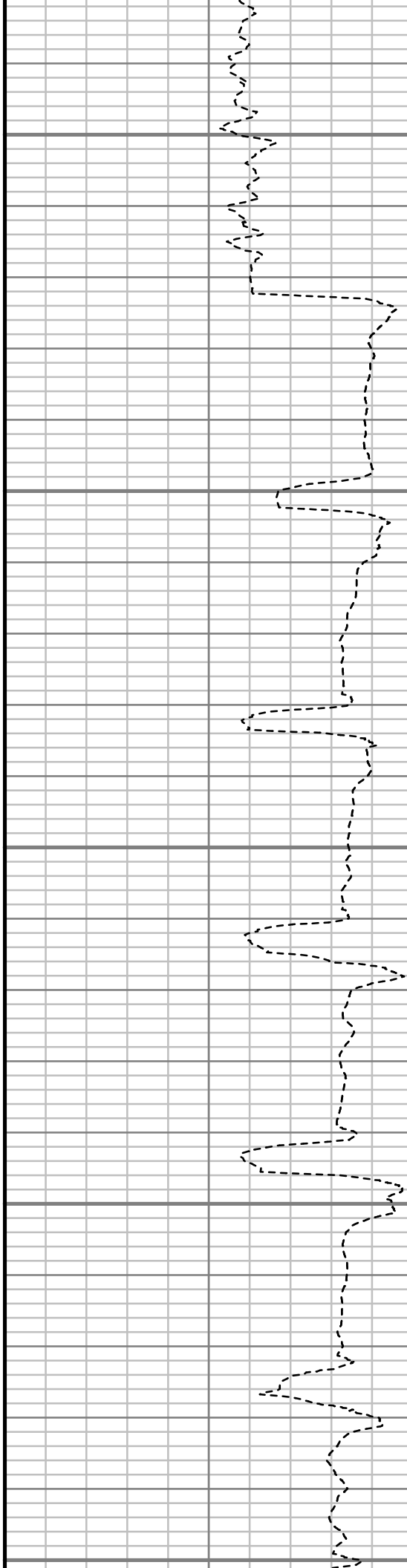
6950

7000

7050

7100

7150



S: 49 MD: 6944.00 ft Inc: 1.66
deg Az: 322.43 deg TVD:
6897.19 ft

S: 50 MD: 6975.00 ft Inc: 1.42
deg Az: 263.56 deg TVD:
6928.18 ft

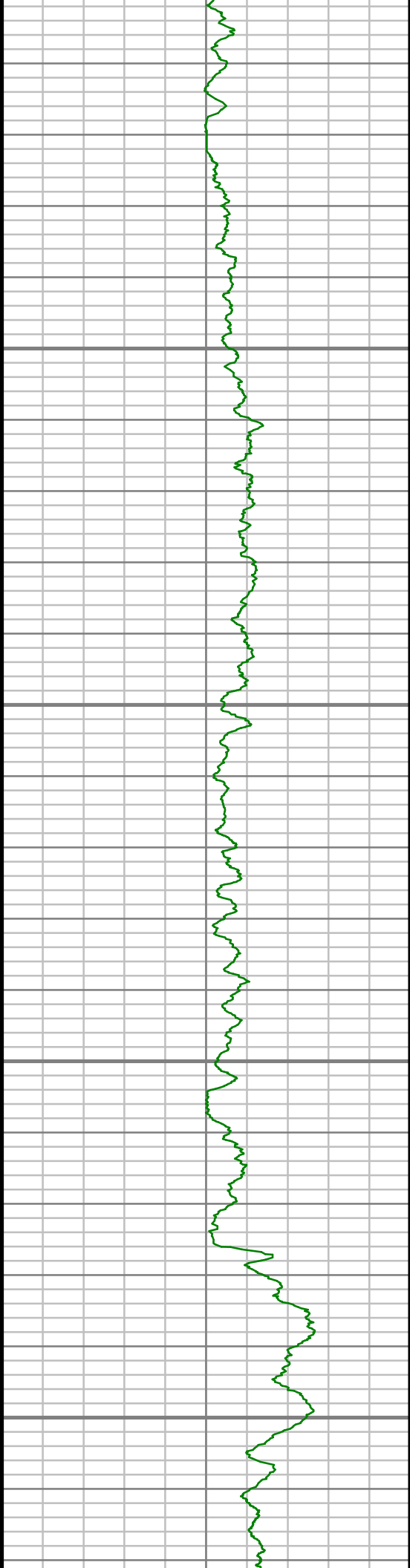
S: 51 MD: 7007.00 ft Inc: 2.09
deg Az: 208.36 deg TVD:
6960.17 ft

S: 52 MD: 7039.00 ft Inc: 4.54
deg Az: 188.52 deg TVD:
6992.12 ft

S: 53 MD: 7070.00 ft Inc: 7.28
deg Az: 183.35 deg TVD:
7022.95 ft

S: 54 MD: 7102.00 ft Inc: 10.00
deg Az: 179.83 deg TVD:
7054.58 ft

S: 55 MD: 7134.00 ft Inc: 12.63
deg Az: 177.28 deg TVD:
7085.96 ft

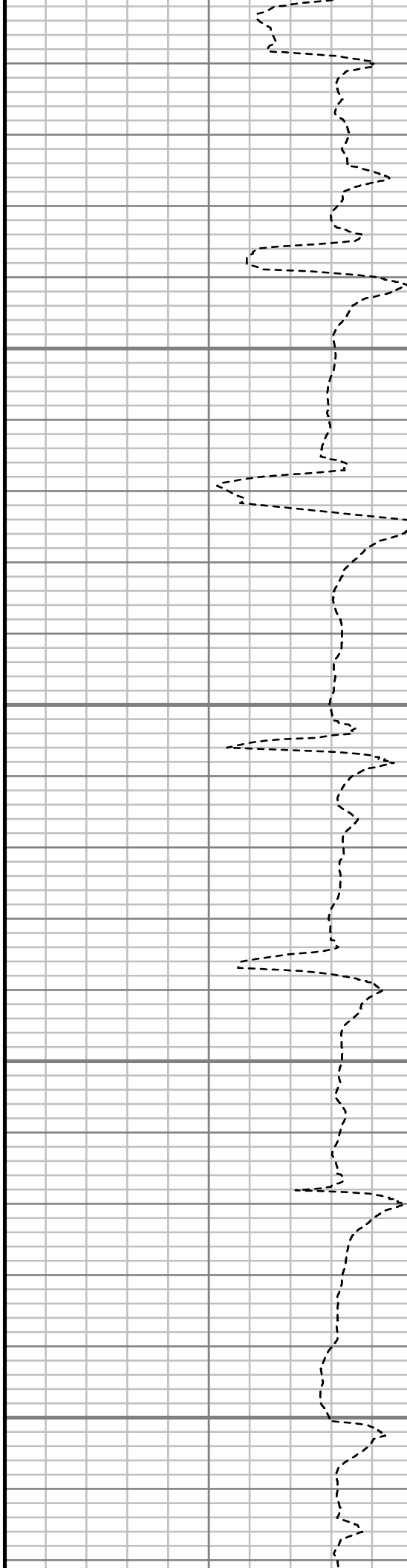


7200

7250

7300

7350



S: 56 MD: 7165.00 ft Inc: 14.43
deg Az: 174.86 deg TVD:
7116.10 ft

S: 57 MD: 7197.00 ft Inc: 17.38
deg Az: 176.34 deg TVD:
7146.87 ft

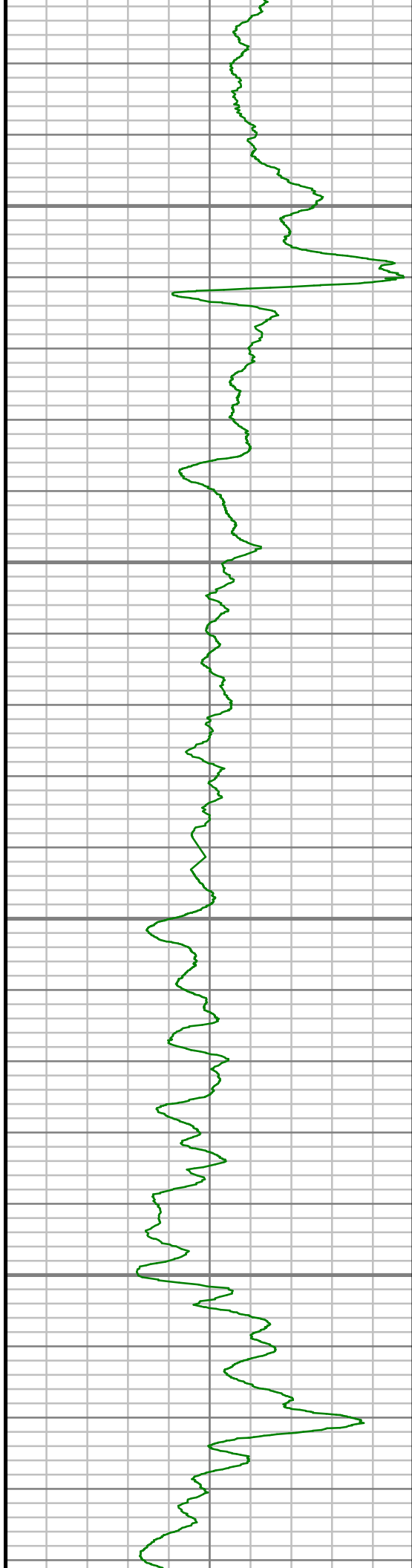
S: 58 MD: 7229.00 ft Inc: 20.06
deg Az: 176.10 deg TVD:
7177.17 ft

S: 59 MD: 7260.00 ft Inc: 22.63
deg Az: 175.50 deg TVD:
7206.04 ft

S: 60 MD: 7292.00 ft Inc: 26.49
deg Az: 173.69 deg TVD:
7235.14 ft

S: 61 MD: 7323.00 ft Inc: 30.38
deg Az: 174.56 deg TVD:
7262.40 ft

S: 62 MD: 7355.00 ft Inc: 34.97
deg Az: 175.06 deg TVD:
7289.33 ft

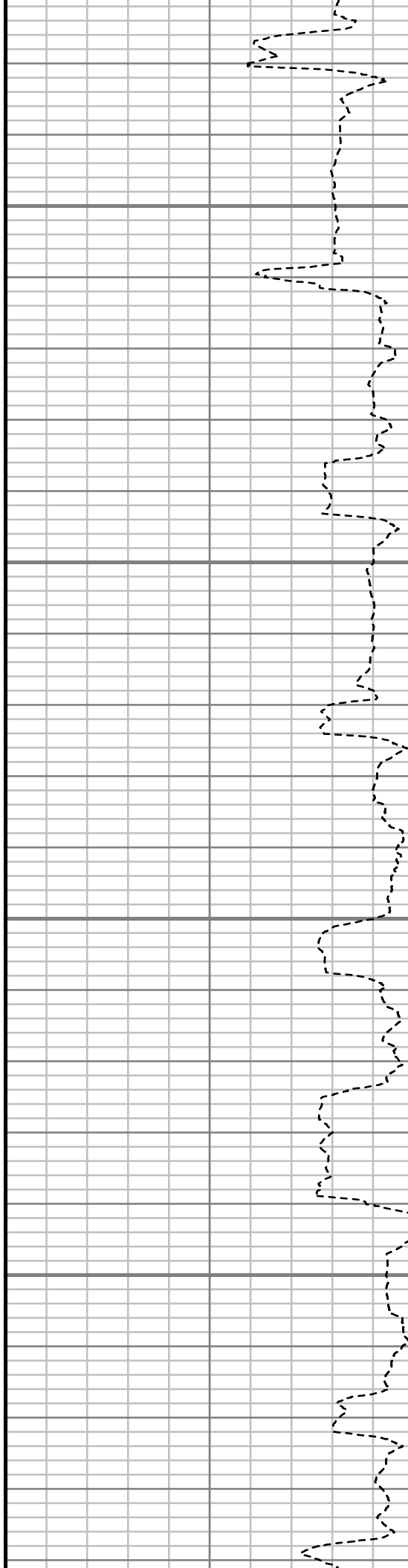


7400

7450

7500

7550



S: 63 MD: 7387.00 ft Inc: 38.30
deg Az: 174.98 deg TVD:
7315.00 ft

S: 64 MD: 7418.00 ft Inc: 41.92
deg Az: 175.65 deg TVD:
7338.71 ft

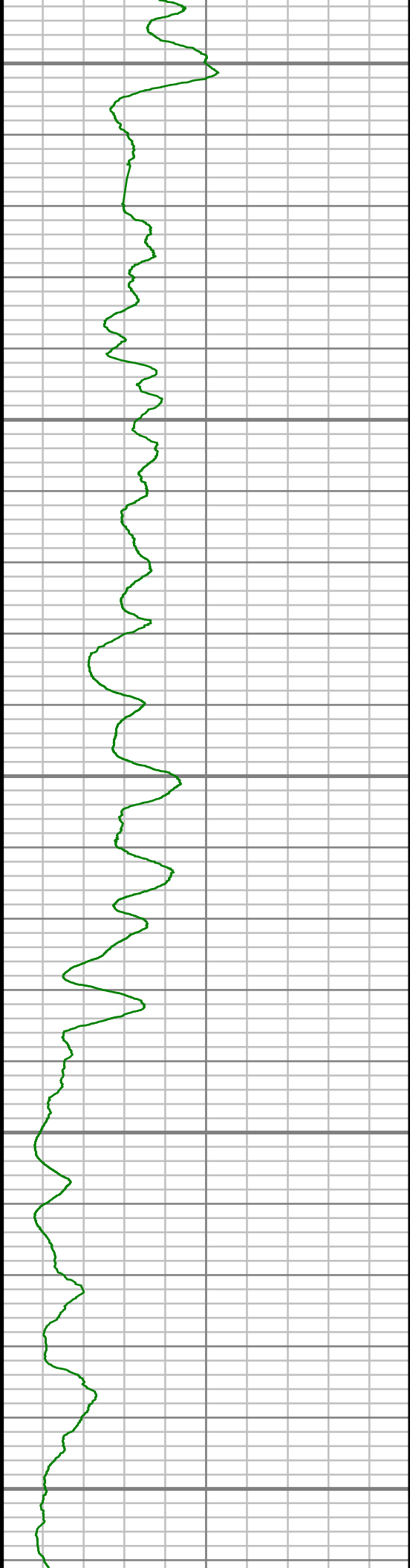
S: 65 MD: 7450.00 ft Inc: 44.92
deg Az: 176.97 deg TVD:
7361.95 ft

S: 66 MD: 7482.00 ft Inc: 46.83
deg Az: 179.02 deg TVD:
7384.23 ft

S: 67 MD: 7513.00 ft Inc: 49.65
deg Az: 181.14 deg TVD:
7404.87 ft

S: 68 MD: 7545.00 ft Inc: 50.99
deg Az: 181.48 deg TVD:
7425.30 ft

S: 69 MD: 7576.00 ft Inc: 53.55
deg Az: 179.46 deg TVD:
7444.27 ft



7600

7650

7700

7750

7800



S: 70 MD: 7608.00 ft Inc: 55.76
deg Az: 178.60 deg TVD:
7462.78 ft

S: 71 MD: 7640.00 ft Inc: 59.33
deg Az: 178.07 deg TVD:
7479.95 ft

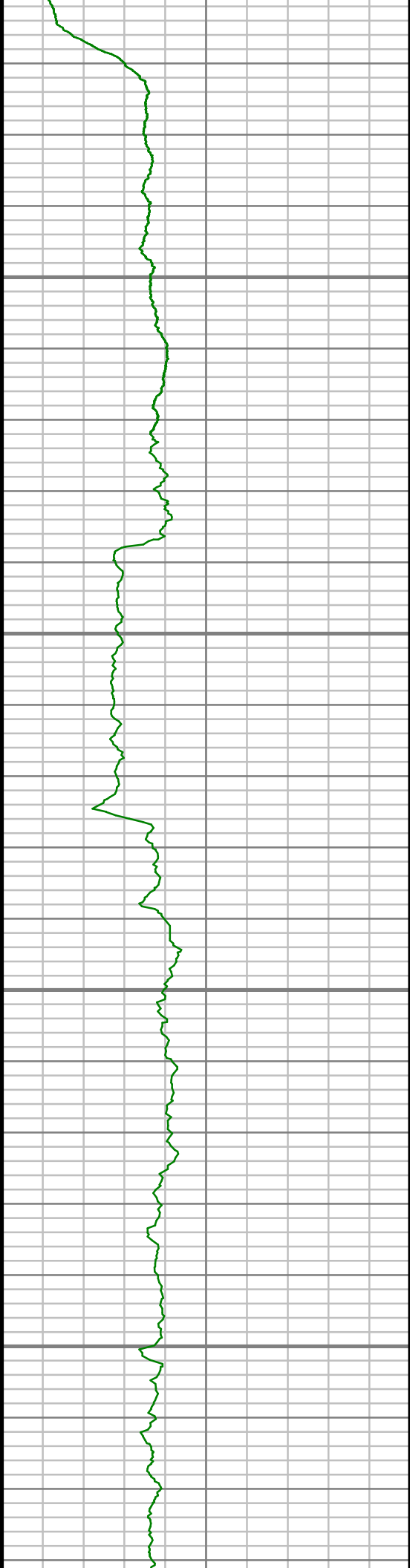
S: 72 MD: 7671.00 ft Inc: 63.72
deg Az: 178.75 deg TVD:
7494.73 ft

S: 73 MD: 7703.00 ft Inc: 66.36
deg Az: 179.83 deg TVD:
7508.23 ft

S: 74 MD: 7735.00 ft Inc: 70.17
deg Az: 180.31 deg TVD:
7520.08 ft

S: 75 MD: 7766.00 ft Inc: 73.22
deg Az: 179.86 deg TVD:
7529.82 ft

S: 76 MD: 7798.00 ft Inc: 76.24
deg Az: 179.42 deg TVD:
7538.24 ft



7850

7900

7950

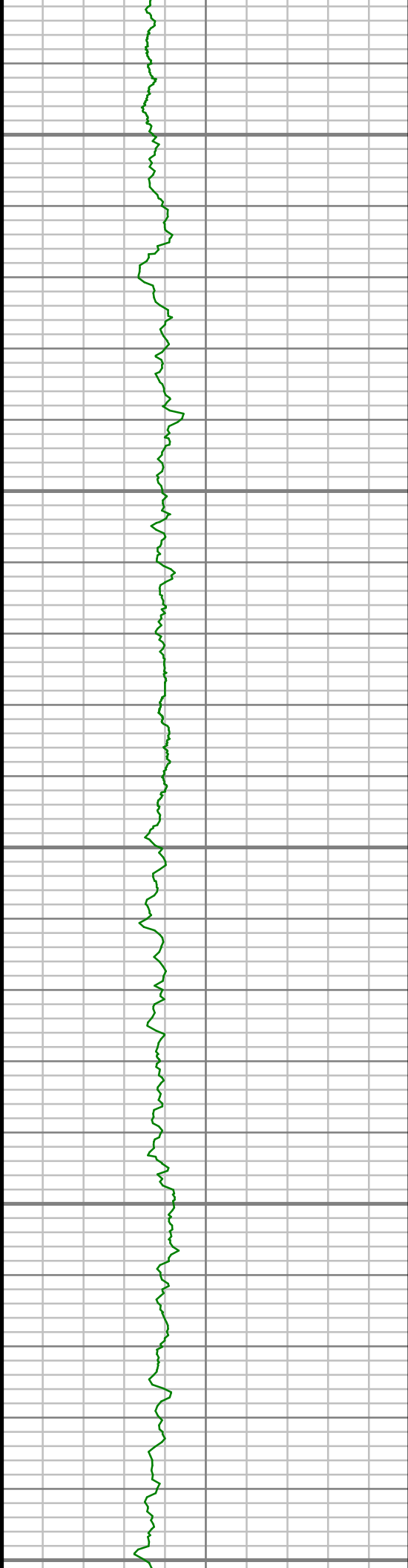
8000



S: 77 MD: 7829.00 ft Inc: 78.96
deg Az: 179.02 deg TVD:
7544.90 ft

S: 78 MD: 7861.00 ft Inc: 82.54
deg Az: 179.05 deg TVD:
7550.04 ft

S: 79 MD: 8025.00 ft Inc: 90.13
deg Az: 178.68 deg TVD:
7560.52 ft



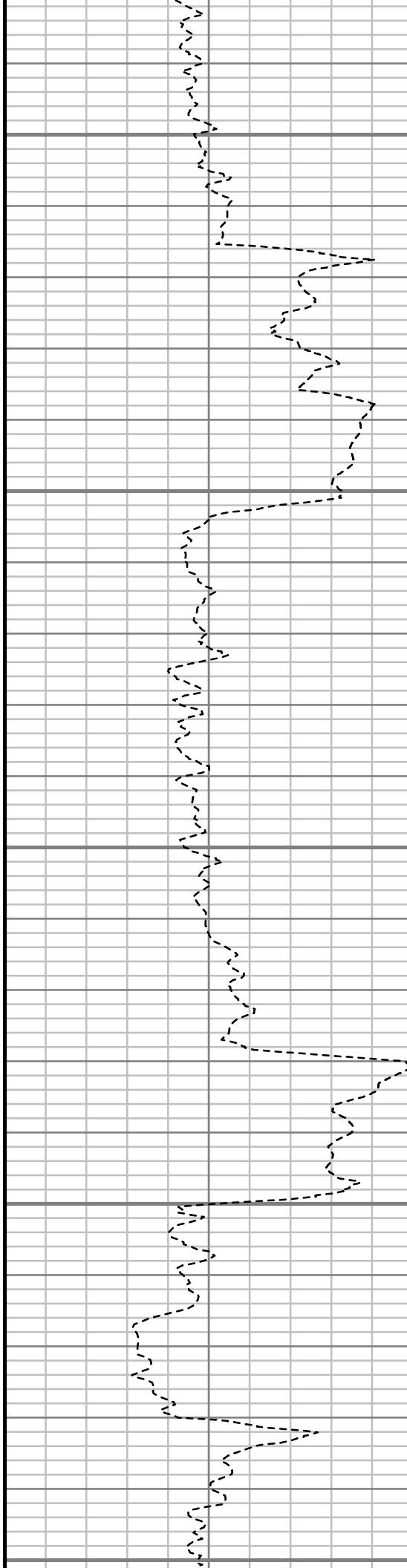
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8100

8150

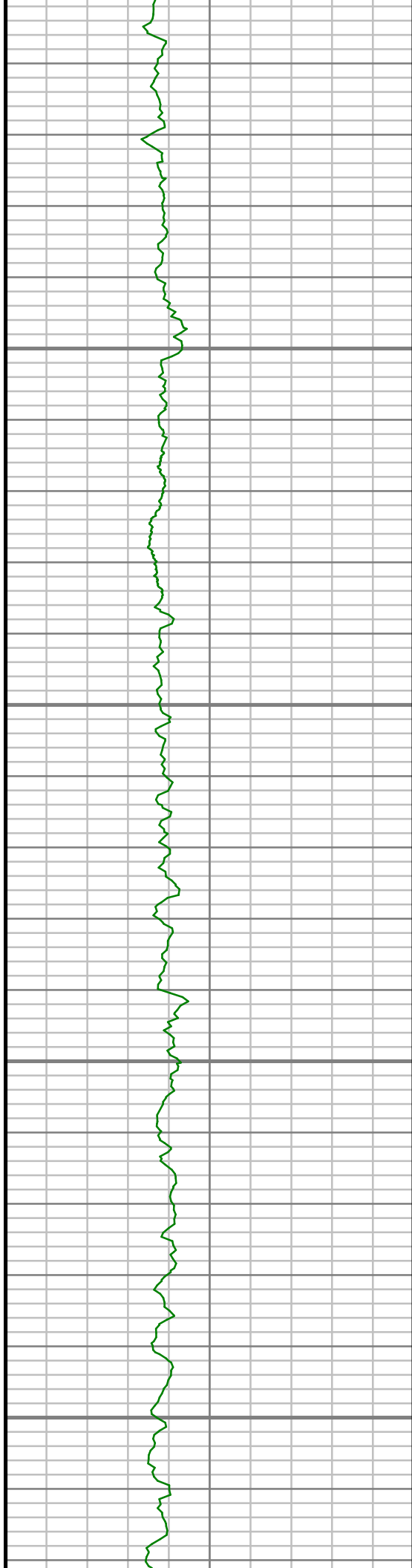
8200

8250



S: 80 MD: 8118.00 ft Inc: 89.87
deg Az: 179.35 deg TVD:
7560.52 ft

S: 81 MD: 8211.00 ft Inc: 91.04
deg Az: 181.40 deg TVD:
7559.78 ft

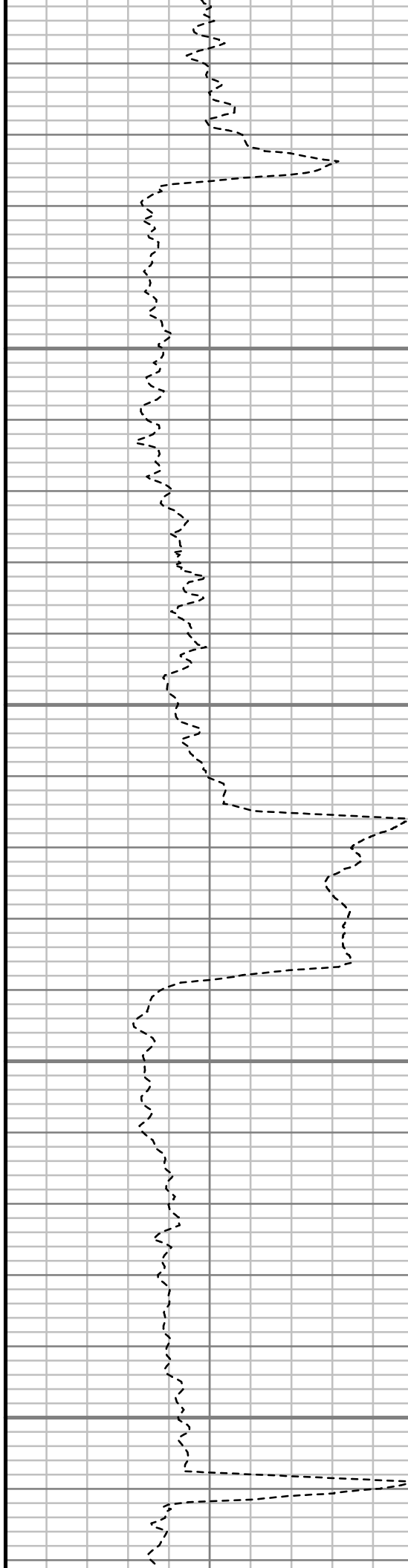


8300

8350

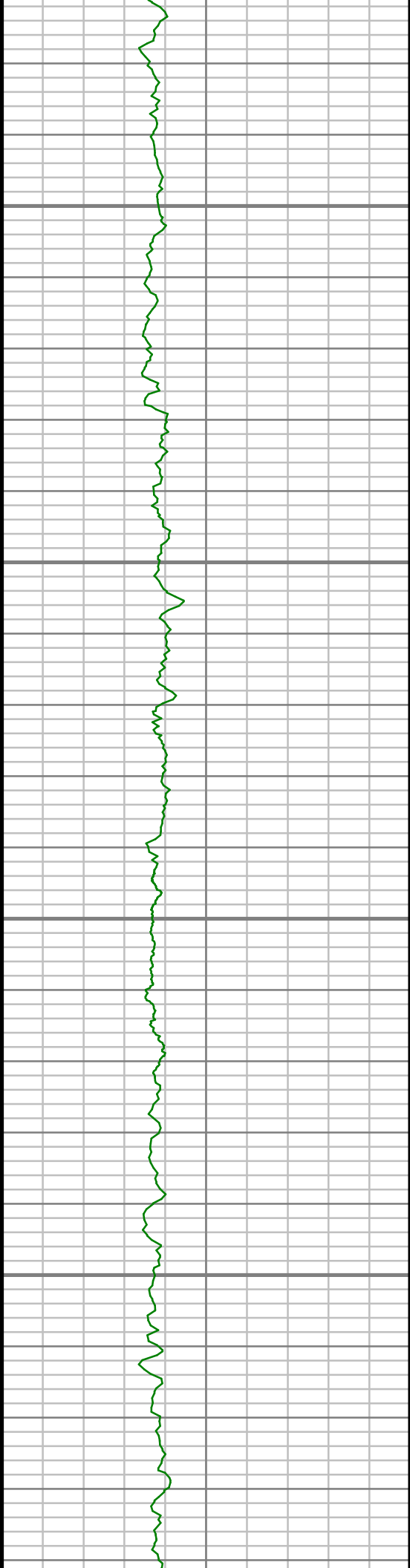
8400

8450



S: 82 MD: 8303.00 ft Inc: 90.60
deg Az: 179.23 deg TVD:
7558.46 ft

S: 83 MD: 8396.00 ft Inc: 90.03
deg Az: 180.93 deg TVD:
7557.95 ft

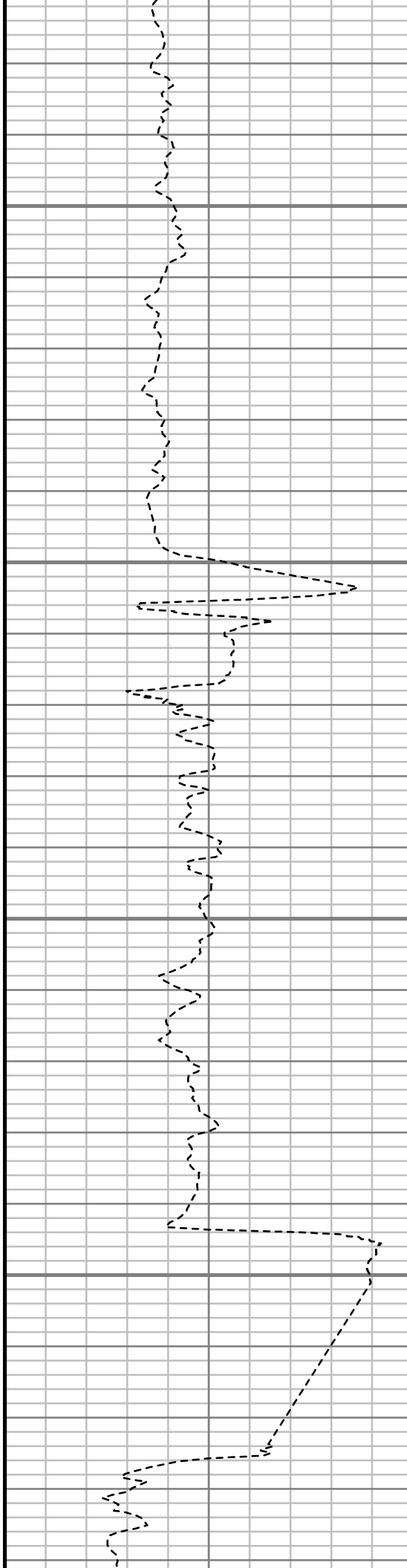


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8550

8600

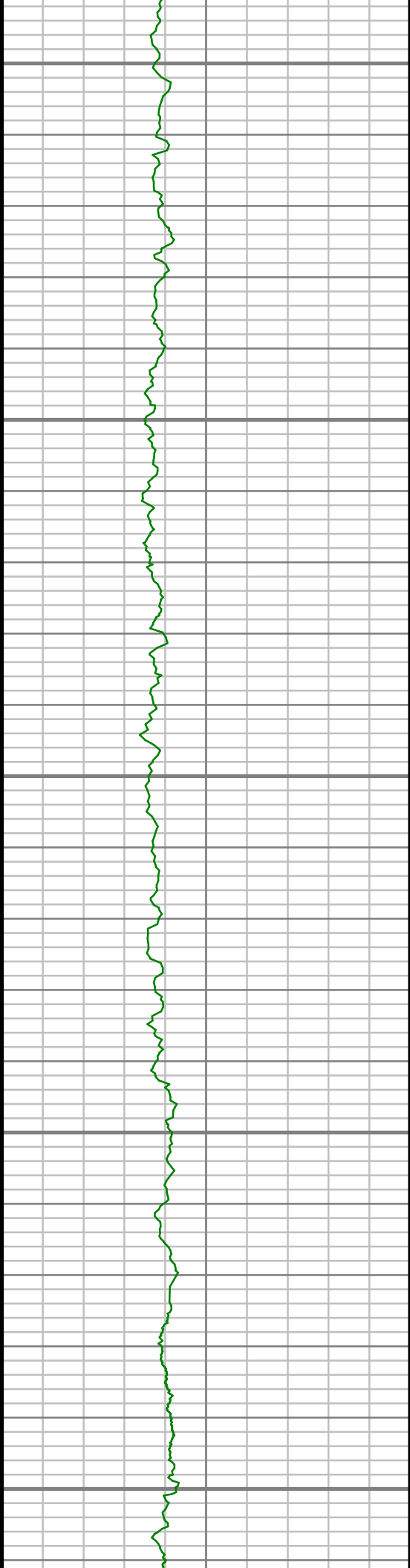
8650



S: 84 MD: 8489.00 ft Inc: 90.54
deg Az: 180.83 deg TVD:
7557.48 ft

S: 85 MD: 8582.00 ft Inc: 91.07
deg Az: 180.82 deg TVD:
7556.18 ft

S: 86 MD: 8675.00 ft Inc: 89.09
deg Az: 182.40 deg TVD:
7556.04 ft



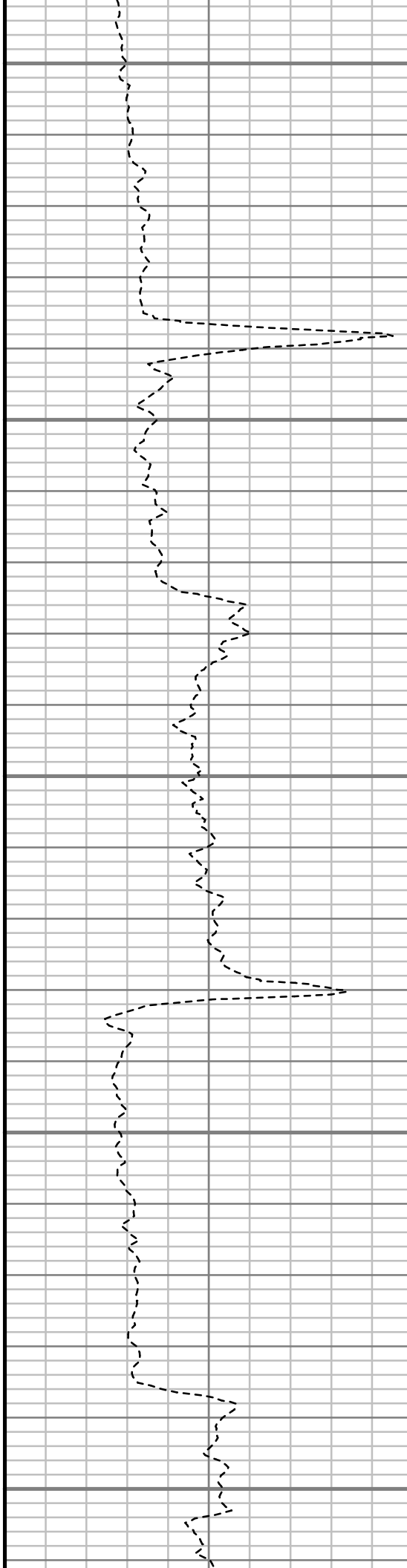
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8750

8800

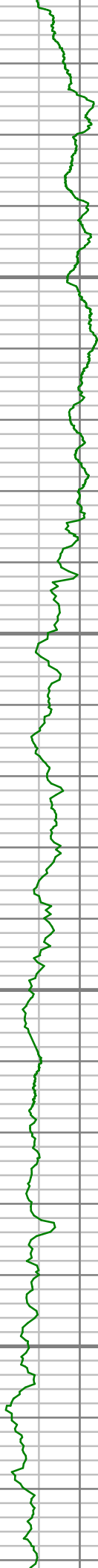
8850

8900



S: 87 MD: 8768.00 ft Inc: 89.26
deg Az: 181.30 deg TVD:
7557.37 ft

S: 88 MD: 8861.00 ft Inc: 89.20
deg Az: 181.06 deg TVD:
7558.63 ft

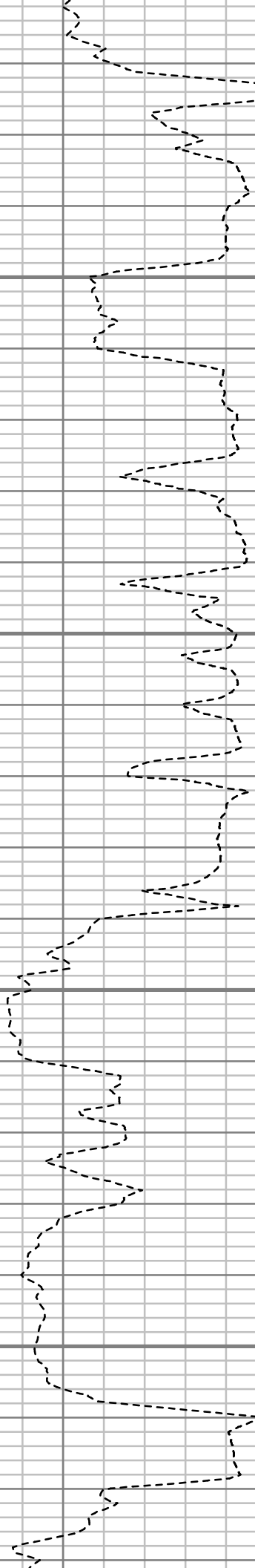


8950

9000

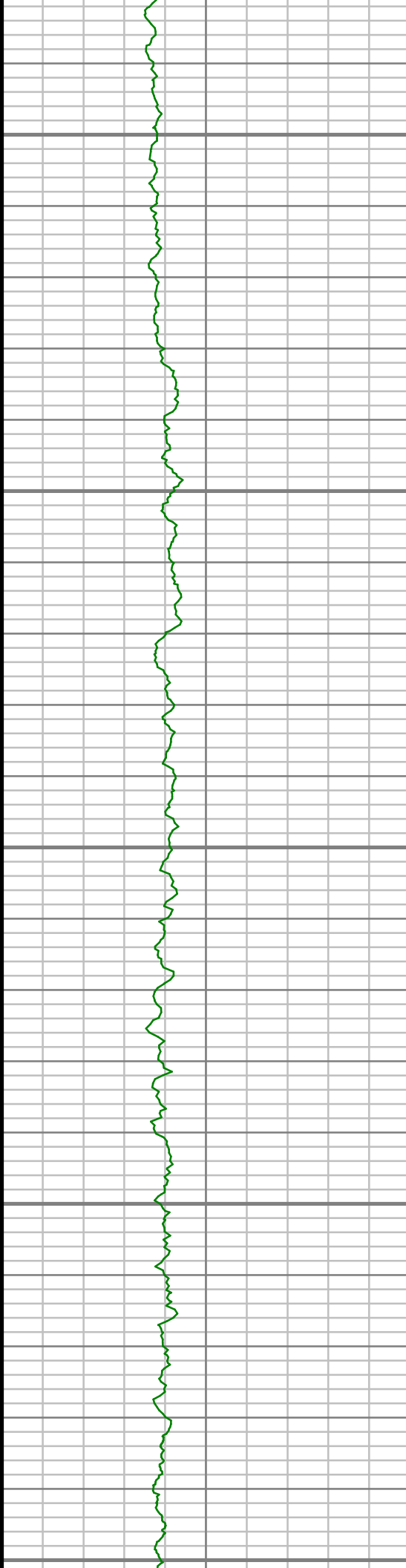
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9100



S: 89 MD: 8954.00 ft Inc: 90.54
deg Az: 181.35 deg TVD:
7558.84 ft

S: 90 MD: 9047.00 ft Inc: 92.08
deg Az: 180.82 deg TVD:
7556.72 ft



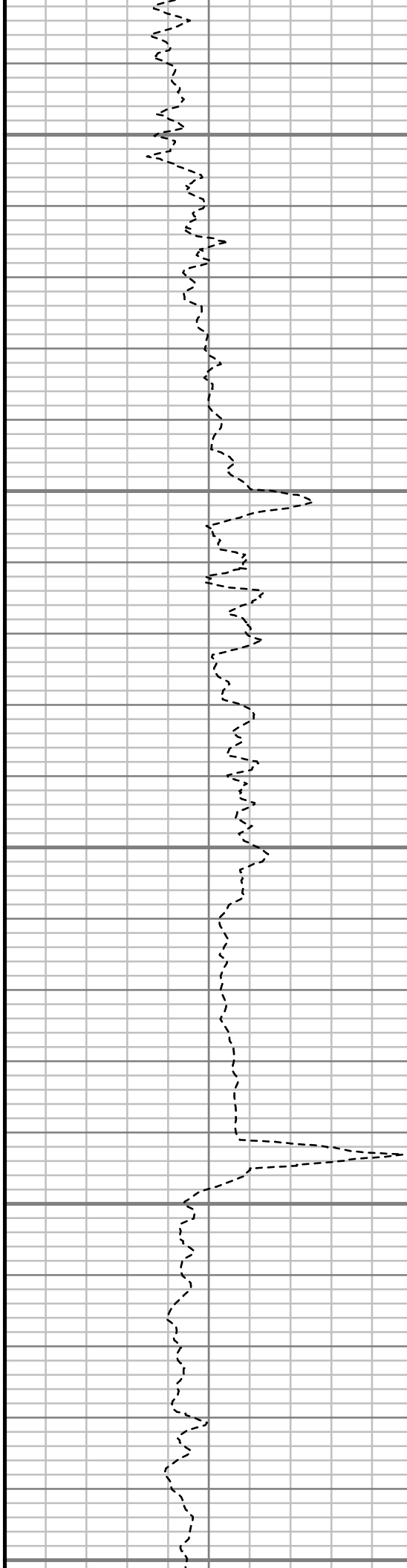
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9200

9250

9300

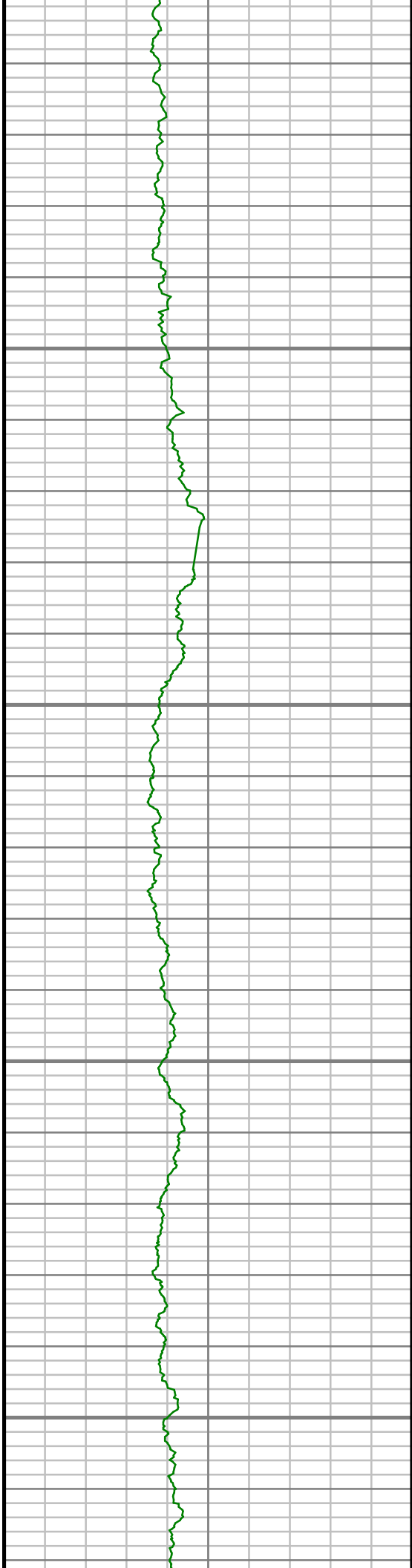
9350



S: 91 MD: 9140.00 ft Inc: 90.47
deg Az: 180.22 deg TVD:
7554.65 ft

S: 92 MD: 9233.00 ft Inc: 90.30
deg Az: 179.08 deg TVD:
7554.02 ft

S: 93 MD: 9326.00 ft Inc: 90.00
deg Az: 177.38 deg TVD:
7553.78 ft

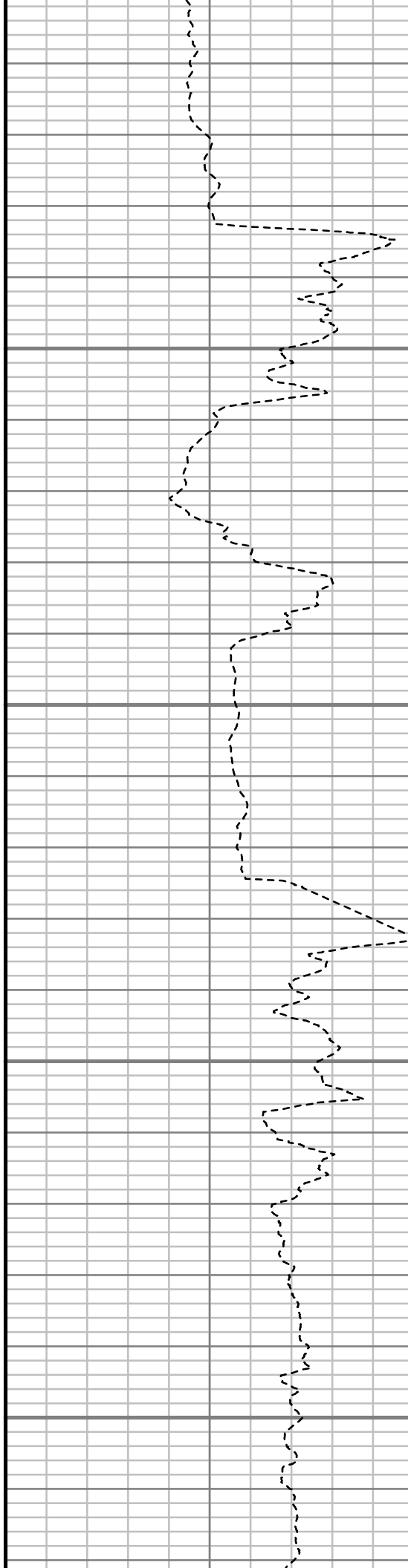


9400

9450

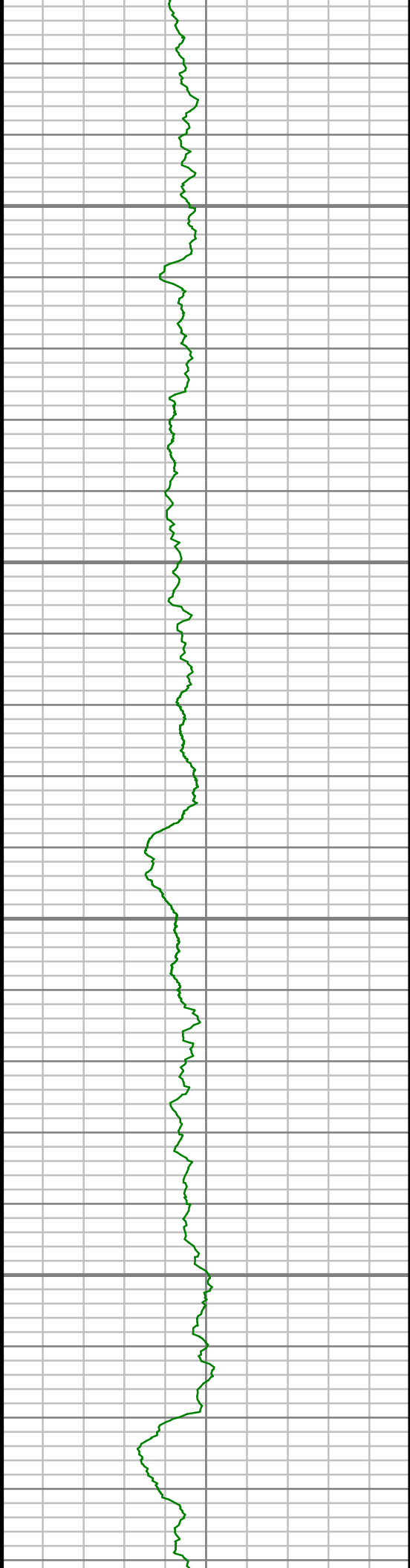
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9550



S: 94 MD: 9419.00 ft Inc: 88.69
deg Az: 178.14 deg TVD:
7554.84 ft

S: 95 MD: 9514.00 ft Inc: 88.69
deg Az: 180.70 deg TVD:
7557.01 ft

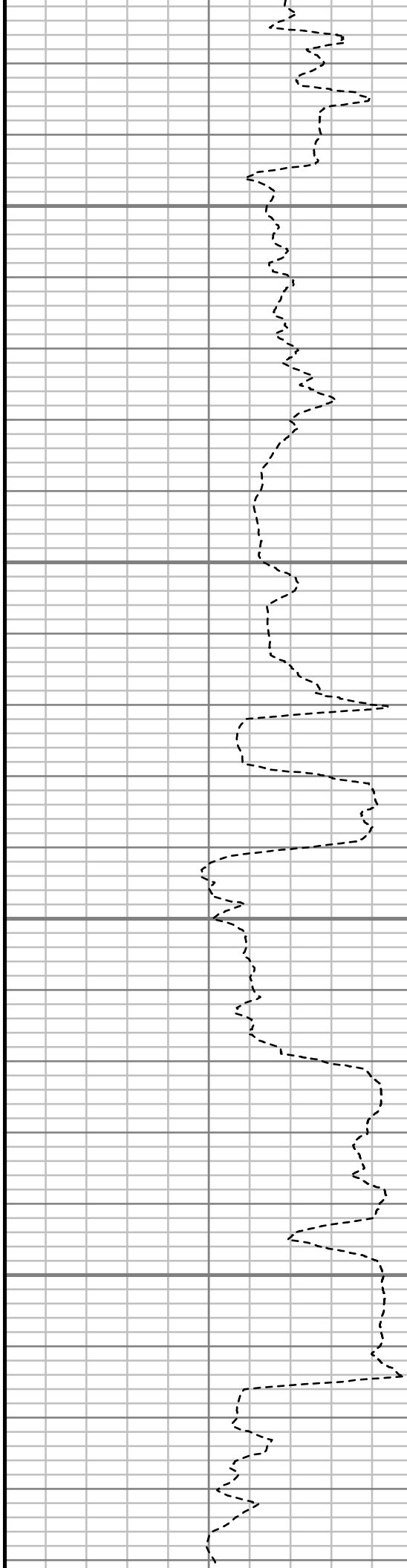


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9650

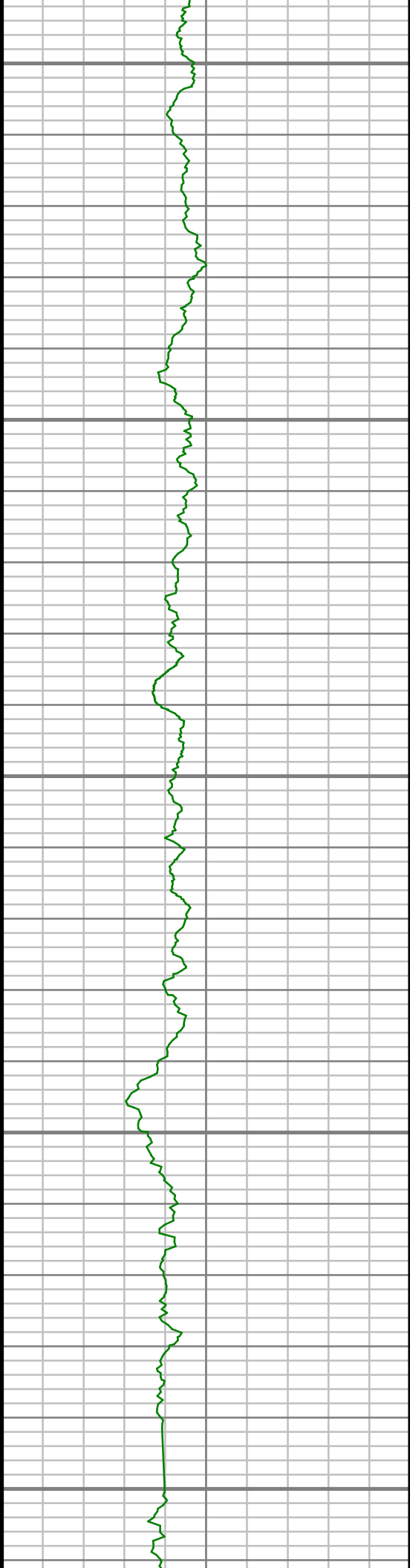
9700

9750



S: 96 MD: 9608.00 ft Inc: 89.66
deg Az: 182.41 deg TVD:
7558.36 ft

S: 97 MD: 9703.00 ft Inc: 89.87
deg Az: 181.67 deg TVD:
7558.75 ft



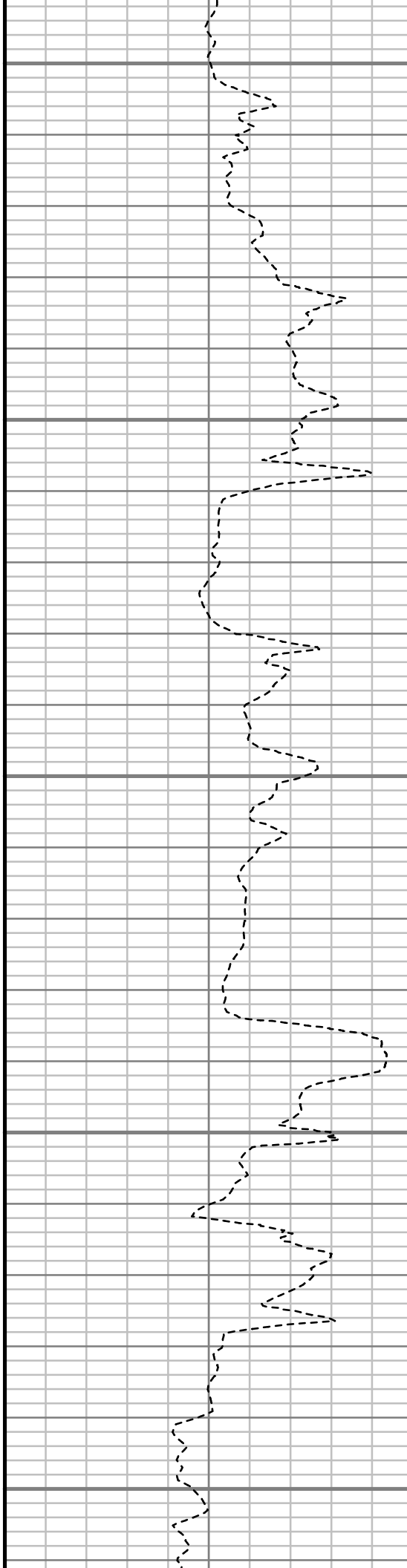
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9850

9900

9950

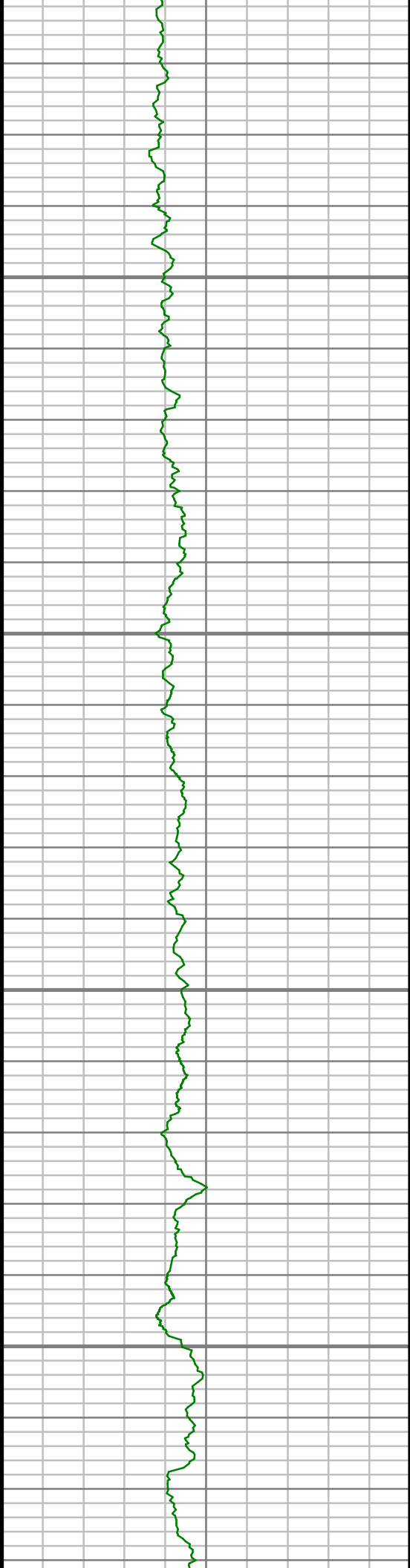
10000



S: 98 MD: 9798.00 ft Inc: 90.30
deg Az: 180.78 deg TVD:
7558.61 ft

S: 99 MD: 9893.00 ft Inc: 90.44
deg Az: 179.97 deg TVD:
7558.00 ft

S: 100 MD: 9988.00 ft Inc:
89.33 deg Az: 180.08 deg TVD:
7558.20 ft

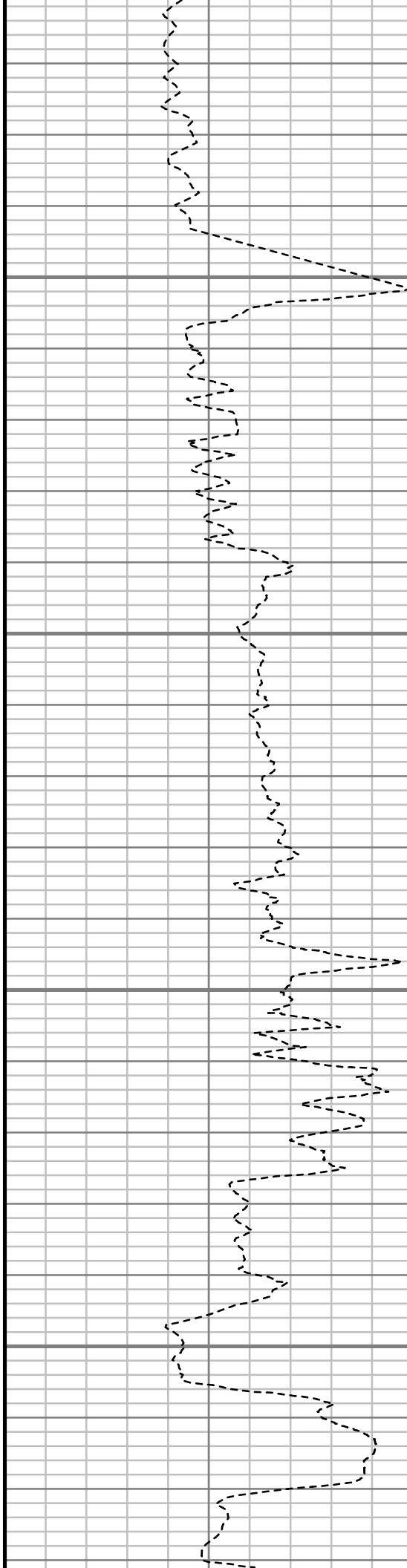


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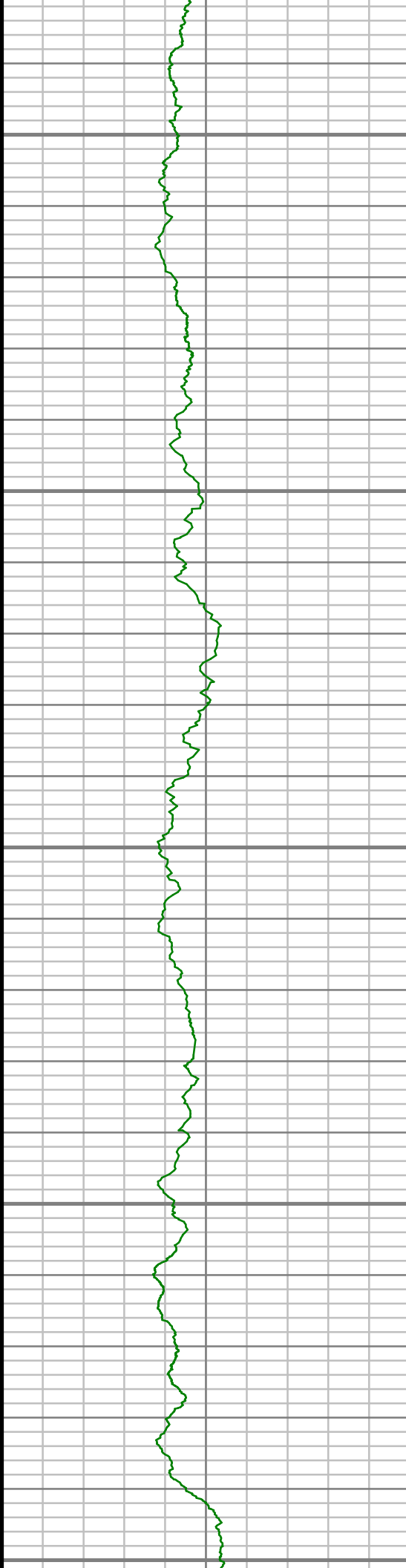
10150

10200



S: 101 MD: 10083.00 ft Inc:
89.87 deg Az: 180.60 deg TVD:
7558.86 ft

S: 102 MD: 10178.00 ft Inc:
89.23 deg Az: 180.34 deg TVD:
7559.61 ft



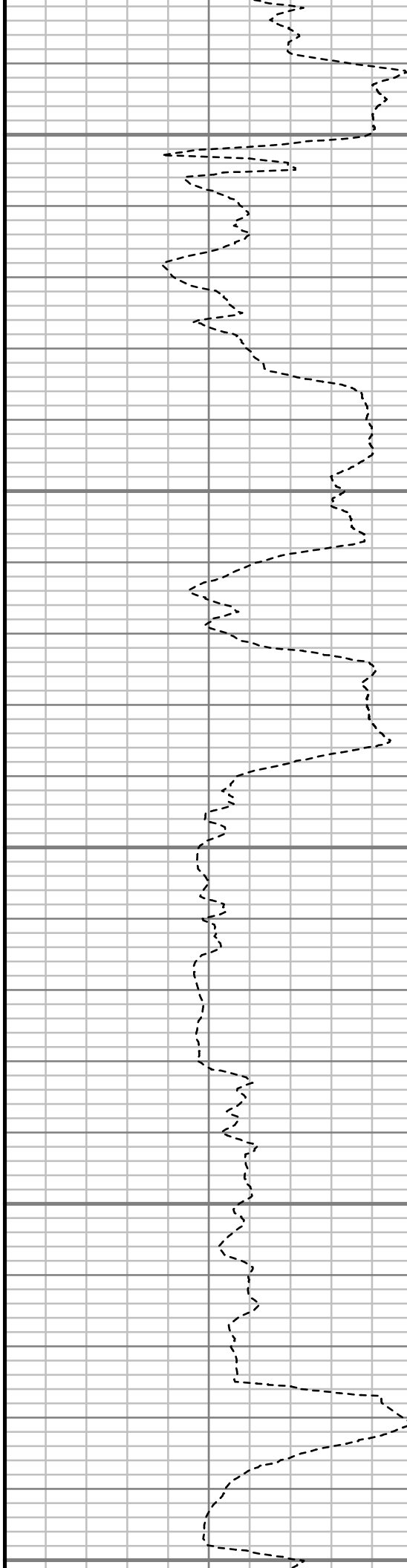
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10300

10350

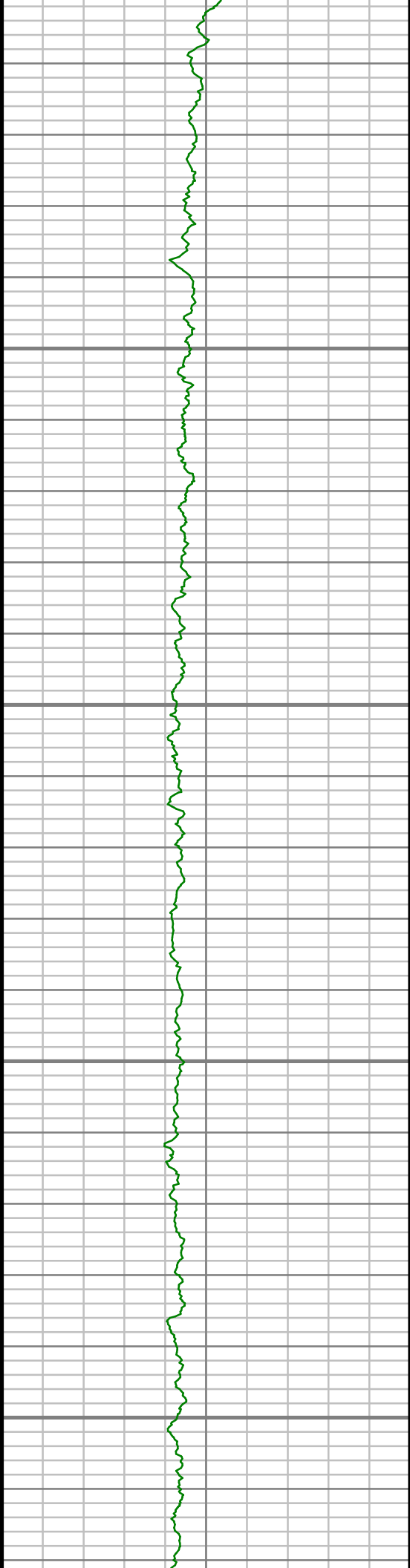
10400

10450



S: 103 MD: 10273.00 ft Inc:
87.75 deg Az: 179.98 deg TVD:
7562.12 ft

S: 104 MD: 10368.00 ft Inc:
88.56 deg Az: 180.00 deg TVD:
7565.18 ft

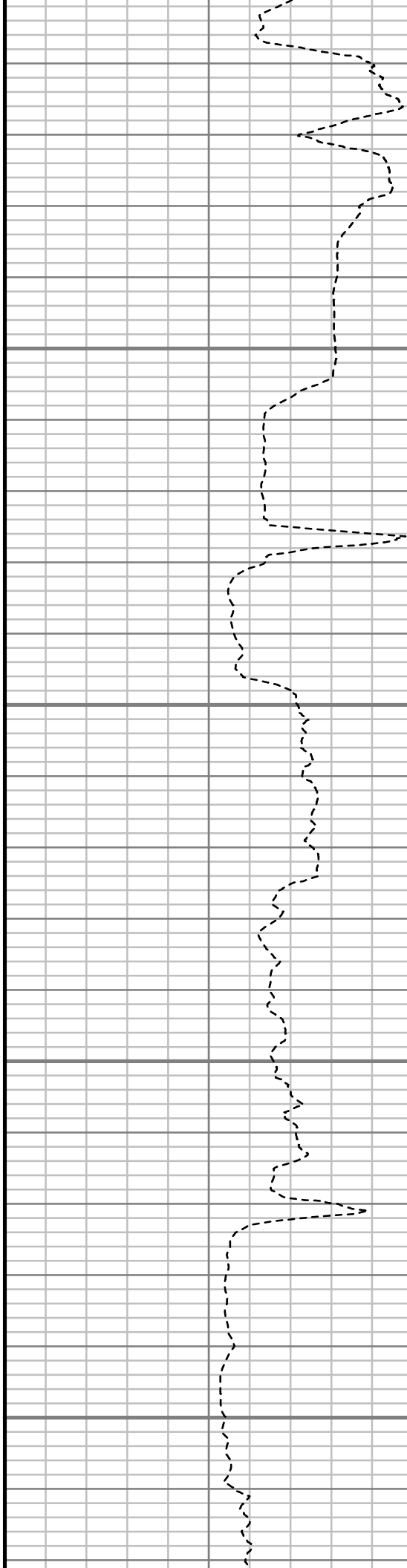


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10550

10600

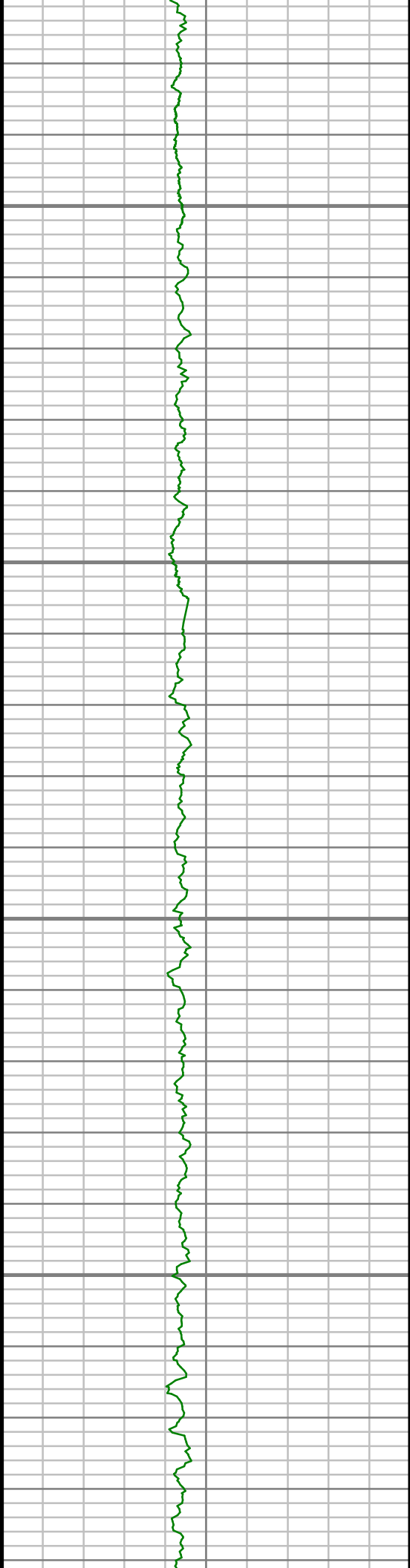
10650



S: 105 MD: 10463.00 ft Inc:
88.86 deg Az: 179.57 deg TVD:
7567.32 ft

S: 106 MD: 10558.00 ft Inc:
89.33 deg Az: 178.61 deg TVD:
7568.82 ft

S: 107 MD: 10653.00 ft Inc:
89.53 deg Az: 177.95 deg TVD:
7569.76 ft

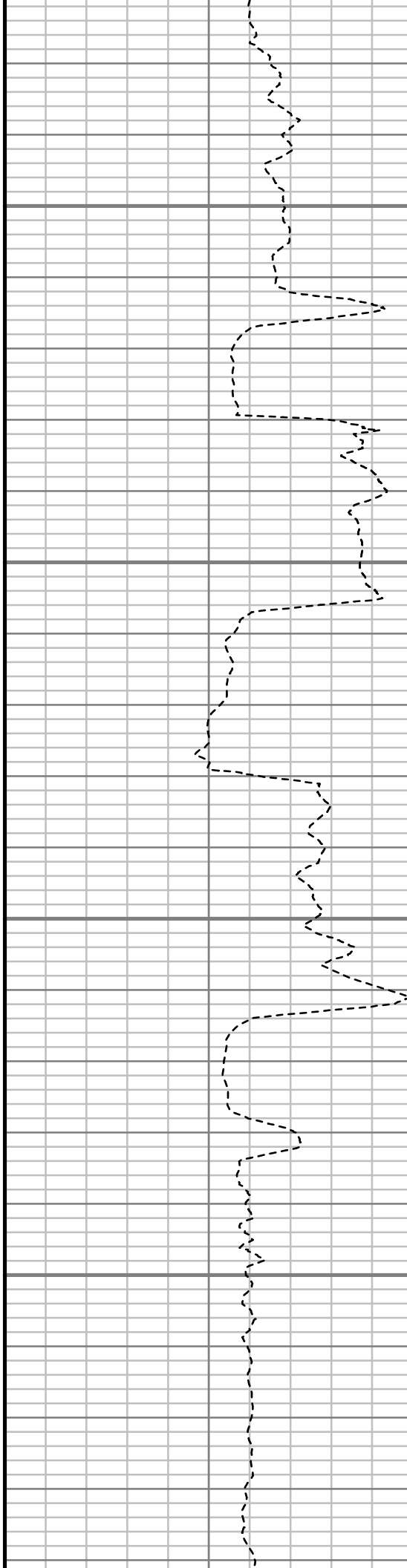


10700

10750

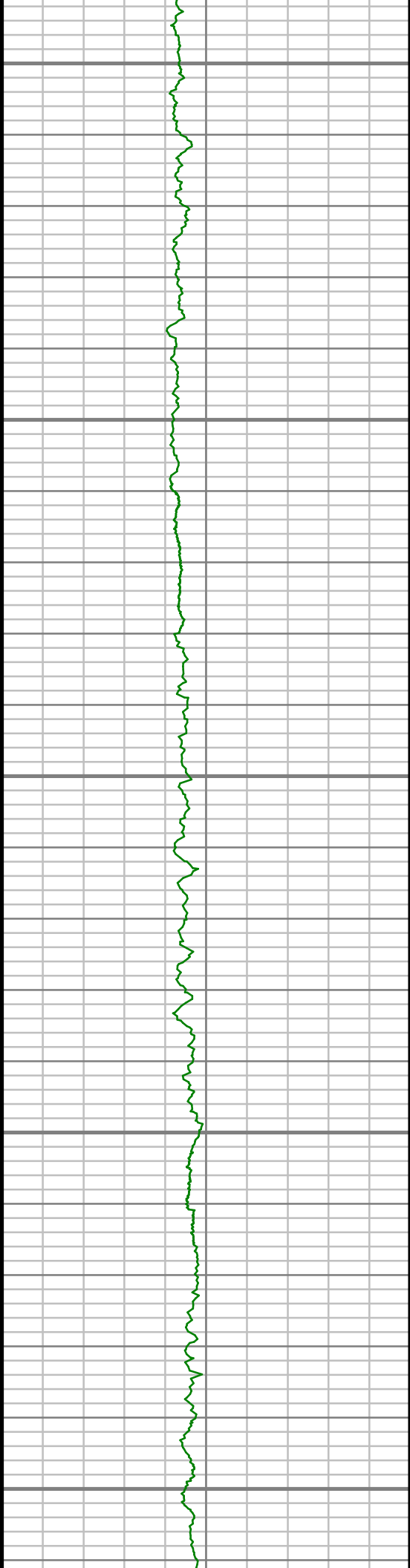
10800

10850



S: 108 MD: 10747.00 ft Inc:
89.23 deg Az: 179.76 deg TVD:
7570.78 ft

S: 109 MD: 10842.00 ft Inc:
89.77 deg Az: 179.77 deg TVD:
7571.62 ft



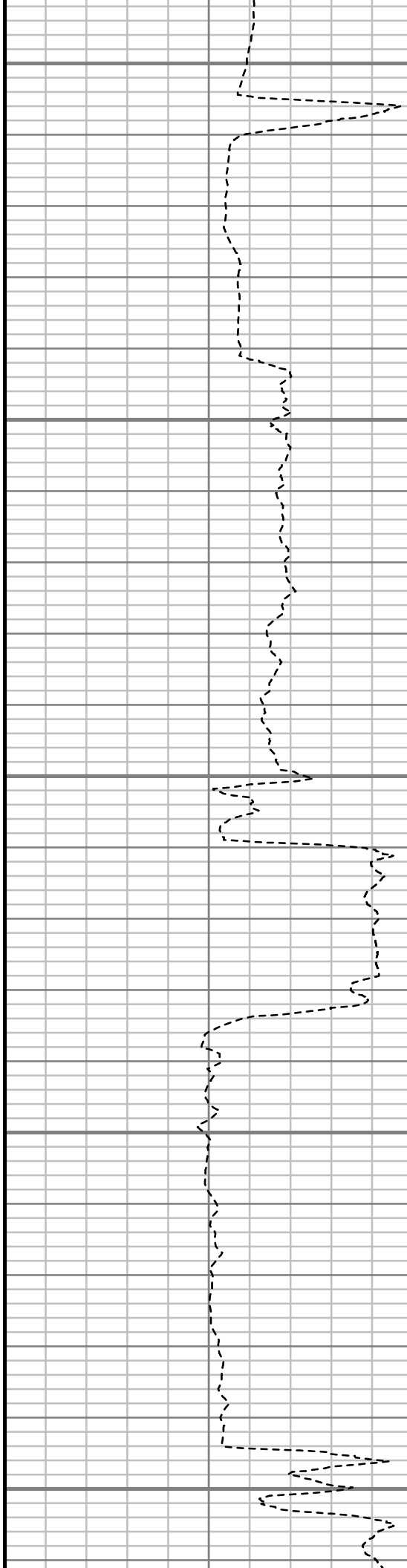
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11000

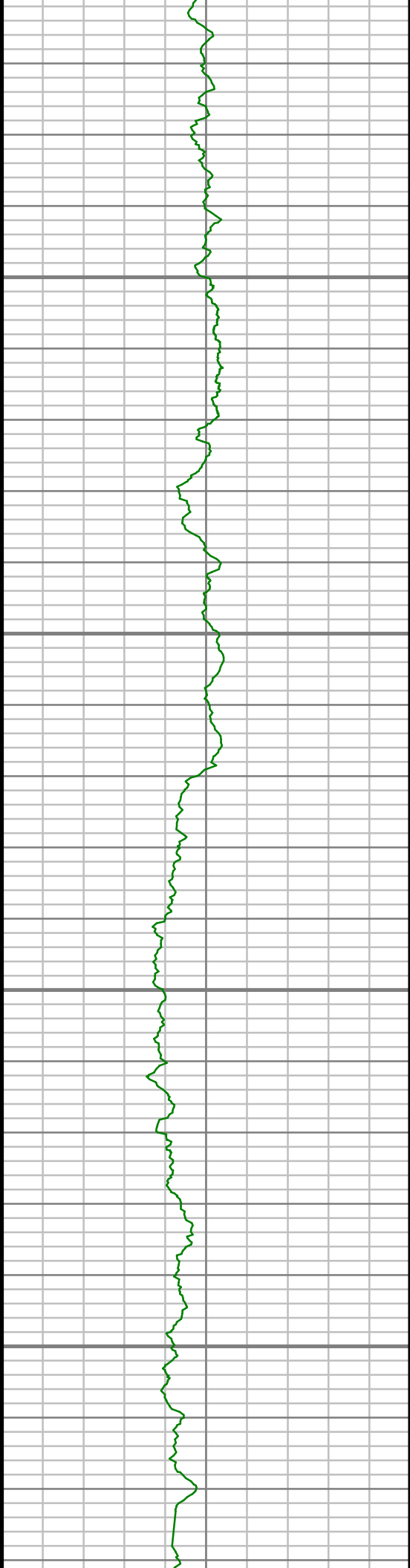
11050

11100



S: 110 MD: 10937.00 ft Inc:
90.10 deg Az: 178.79 deg TVD:
7571.73 ft

S: 111 MD: 11032.00 ft Inc:
89.26 deg Az: 180.80 deg TVD:
7572.26 ft

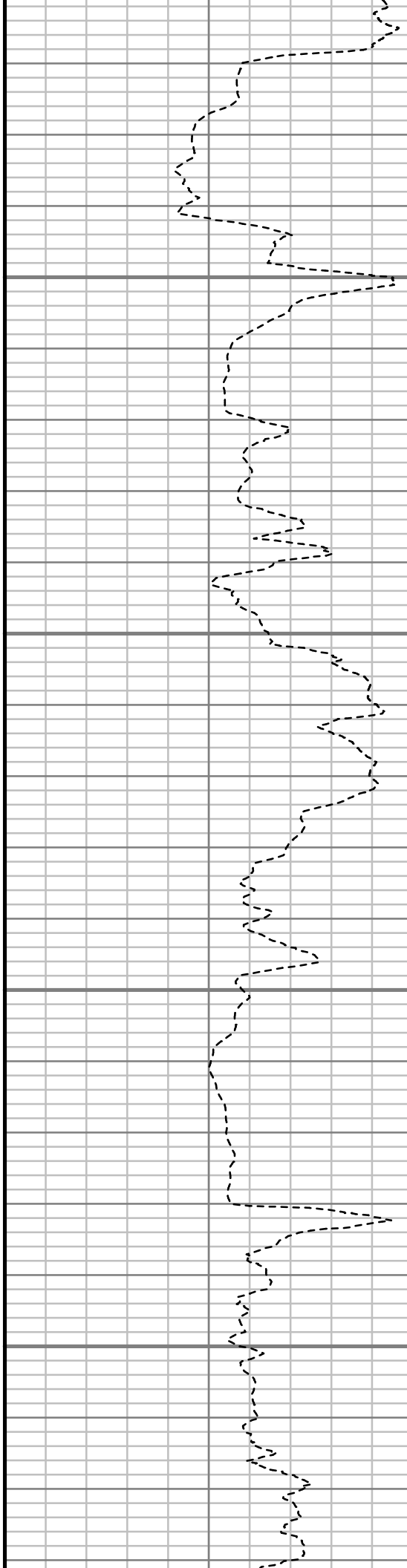


11150

11200

11250

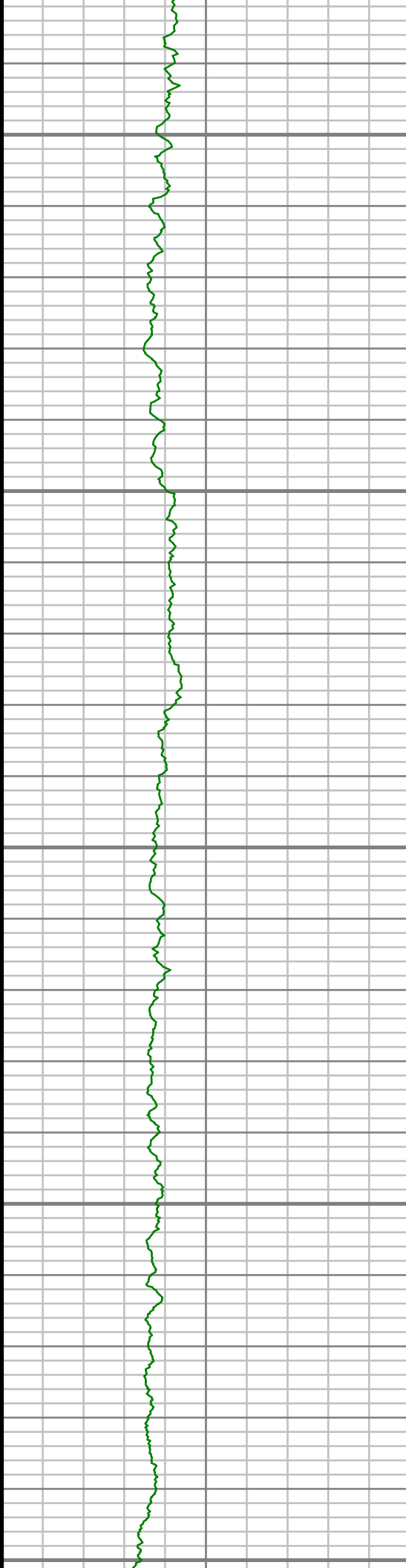
11300



S: 112 MD: 11127.00 ft Inc:
90.03 deg Az: 181.29 deg TVD:
7572.84 ft

S: 113 MD: 11222.00 ft Inc:
90.84 deg Az: 181.65 deg TVD:
7572.12 ft

S: 114 MD: 11317.00 ft Inc:
91.11 deg Az: 181.29 deg TVD:
7570.50 ft



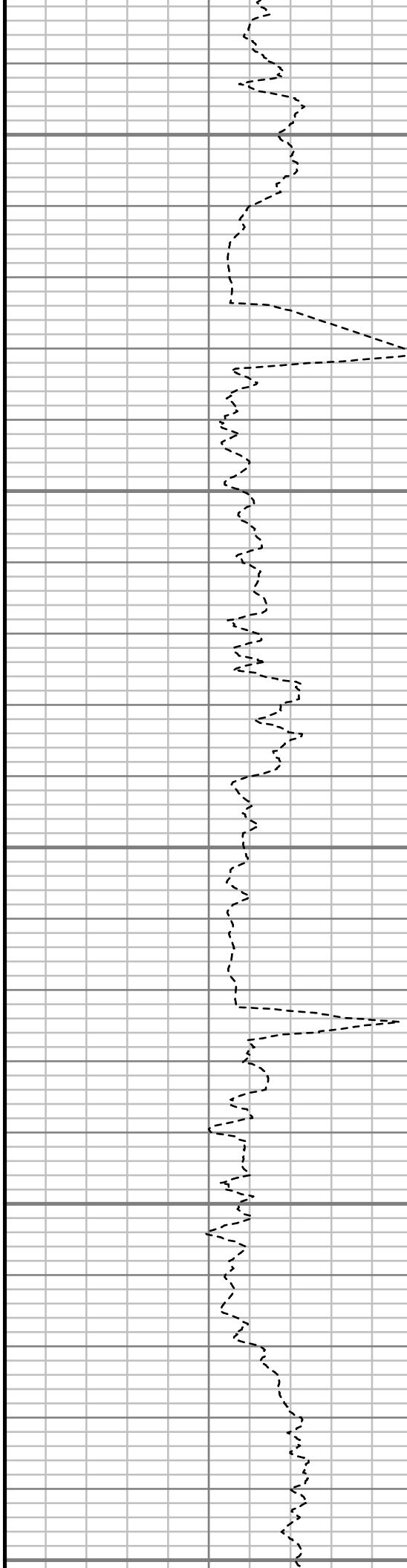
11350

11400

11450

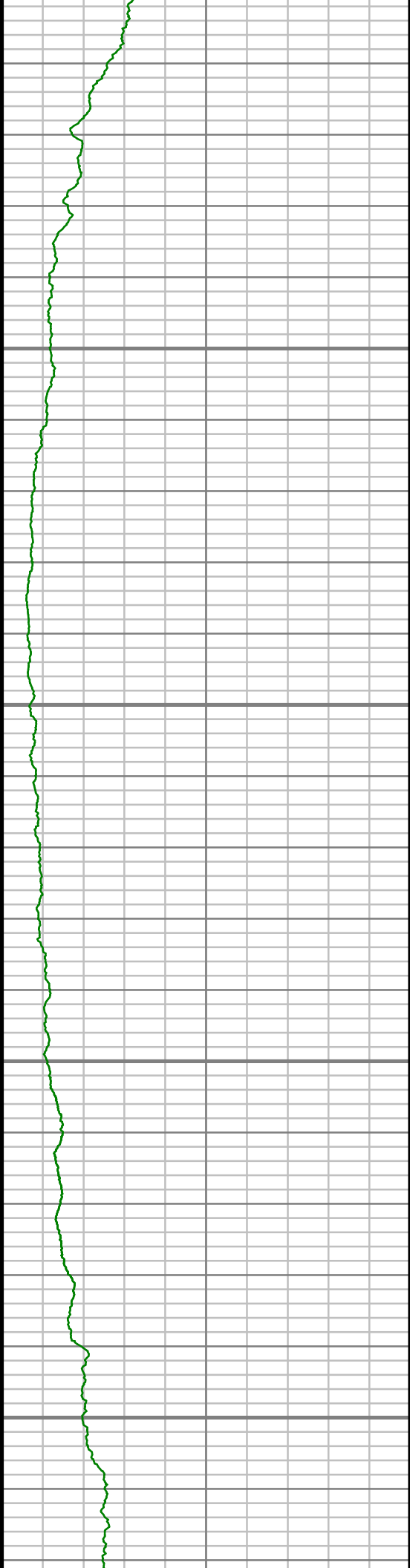
11500

11550



S: 115 MD: 11412.00 ft Inc:
91.41 deg Az: 180.40 deg TVD:
7568.42 ft

S: 116 MD: 11506.00 ft Inc:
91.85 deg Az: 180.24 deg TVD:
7565.75 ft

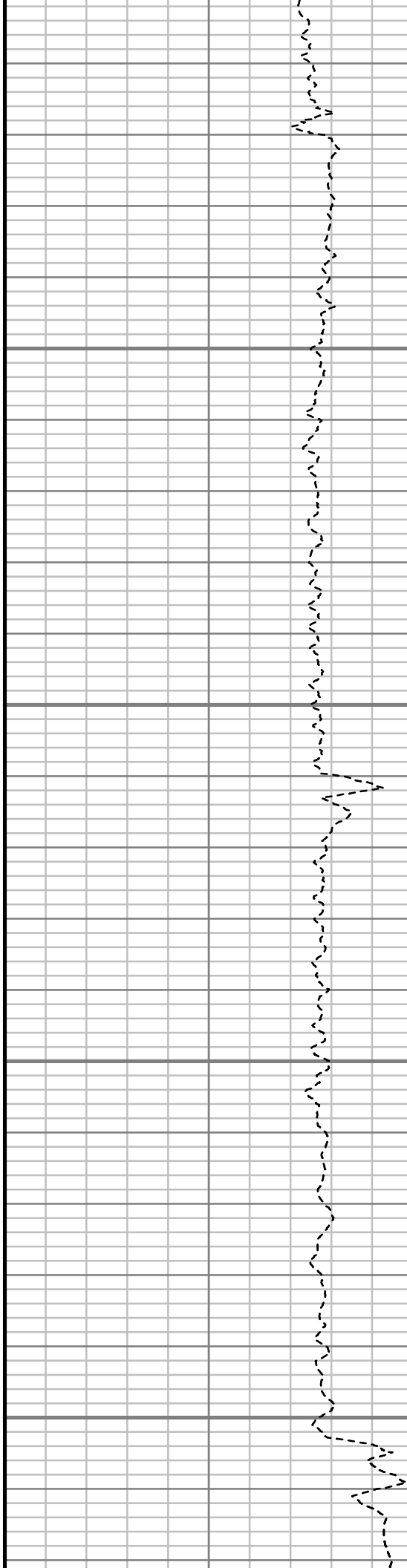


11600

11650

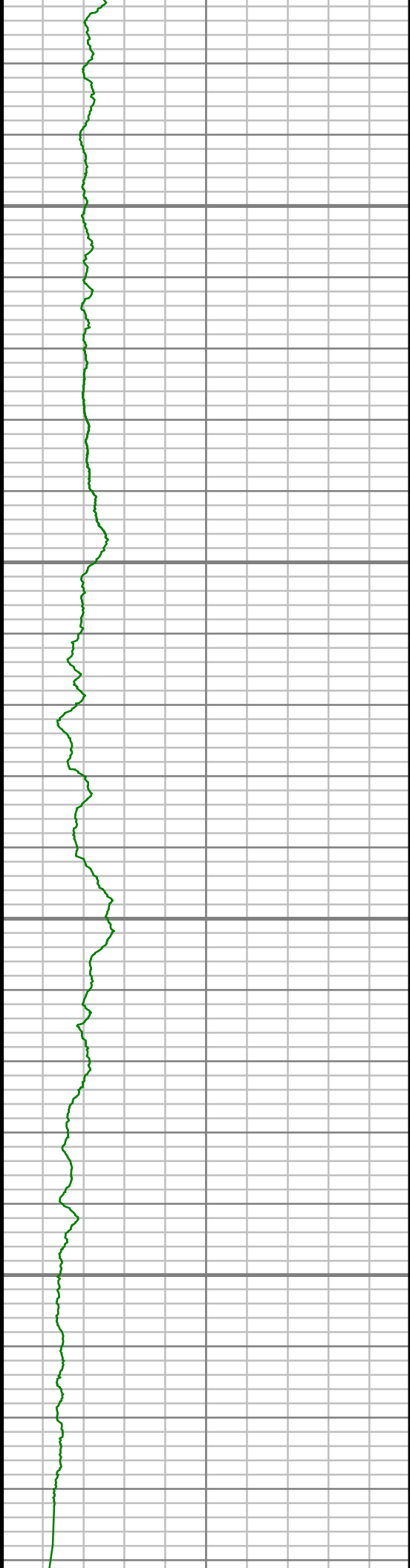
11700

11750



S: 117 MD: 11601.00 ft Inc:
91.14 deg Az: 178.58 deg TVD:
7563.27 ft

S: 118 MD: 11696.00 ft Inc:
92.42 deg Az: 178.39 deg TVD:
7560.32 ft

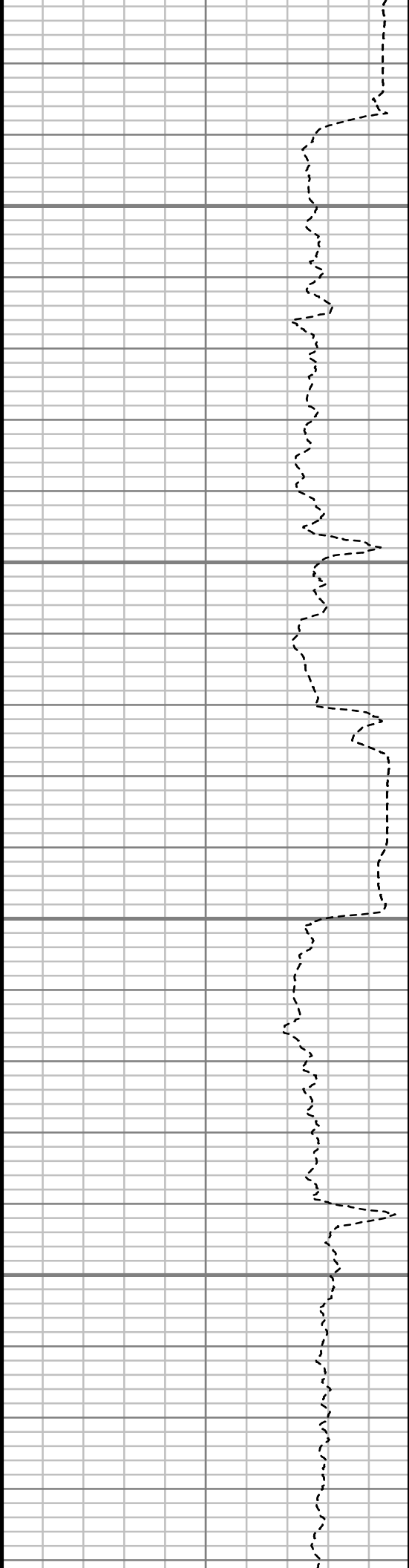


11800

11850

11900

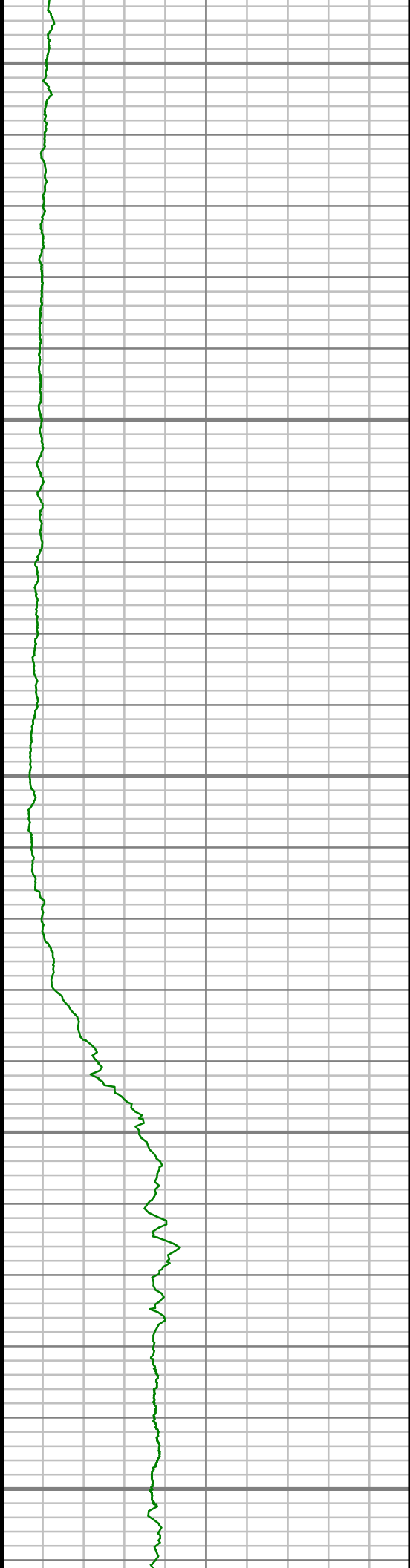
11950



S: 119 MD: 11791.00 ft Inc:
89.33 deg Az: 179.10 deg TVD:
7558.88 ft

S: 120 MD: 11886.00 ft Inc:
89.43 deg Az: 180.63 deg TVD:
7559.91 ft

S: 121 MD: 11981.00 ft Inc:
89.29 deg Az: 181.21 deg TVD:
7560.96 ft



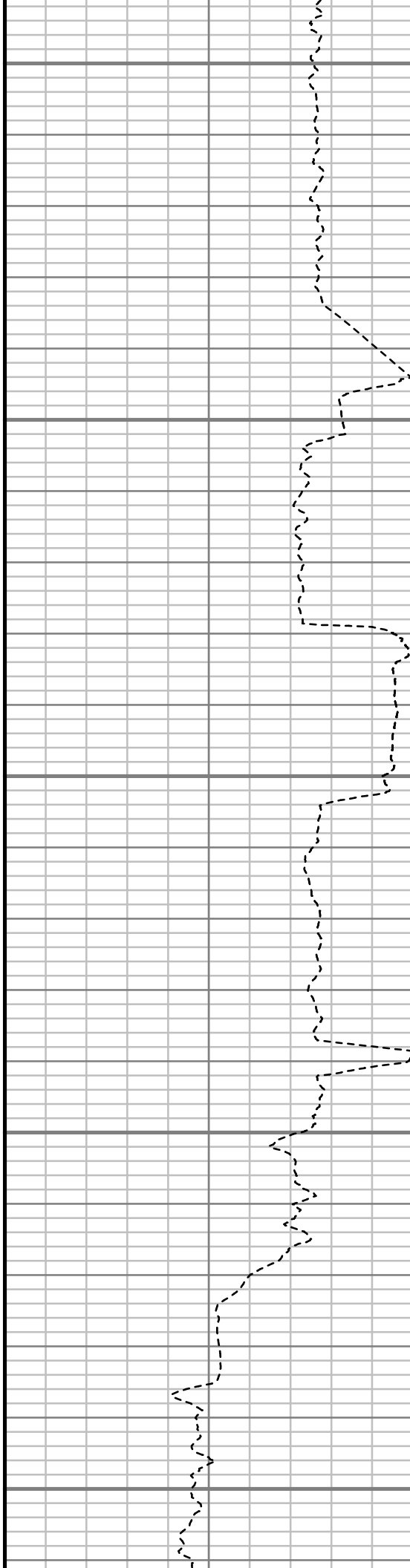
12000

12050

12100

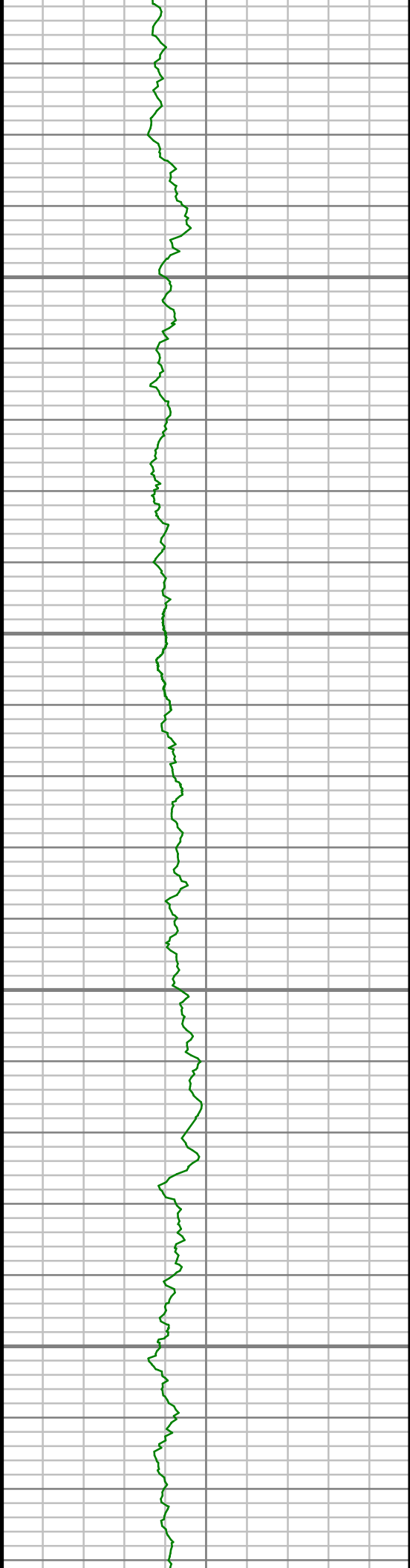
12150

12200



S: 122 MD: 12076.00 ft Inc:
89.16 deg Az: 180.52 deg TVD:
7562.24 ft

S: 123 MD: 12170.00 ft Inc:
86.27 deg Az: 180.38 deg TVD:
7565.99 ft

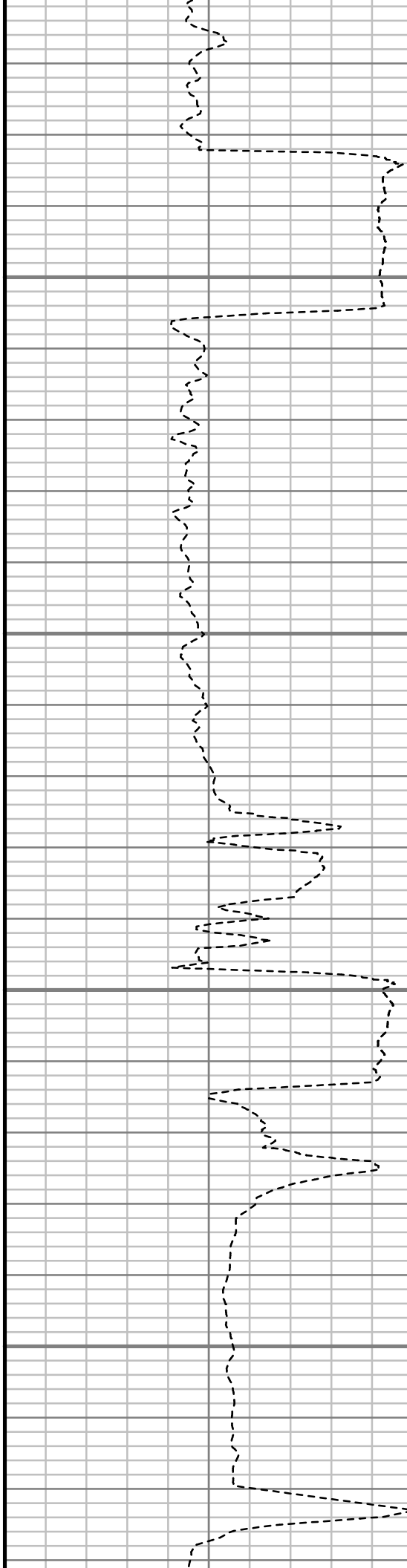


12250

12300

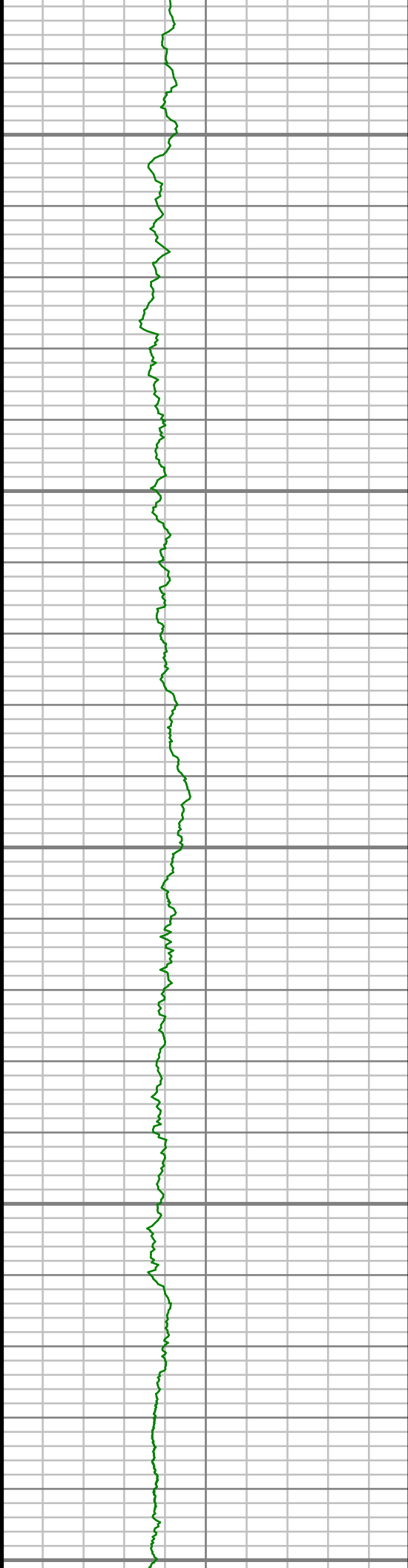
12350

12400



S: 124 MD: 12265.00 ft Inc:
88.76 deg Az: 180.73 deg TVD:
7570.12 ft

S: 125 MD: 12360.00 ft Inc:
90.20 deg Az: 182.61 deg TVD:
7570.98 ft



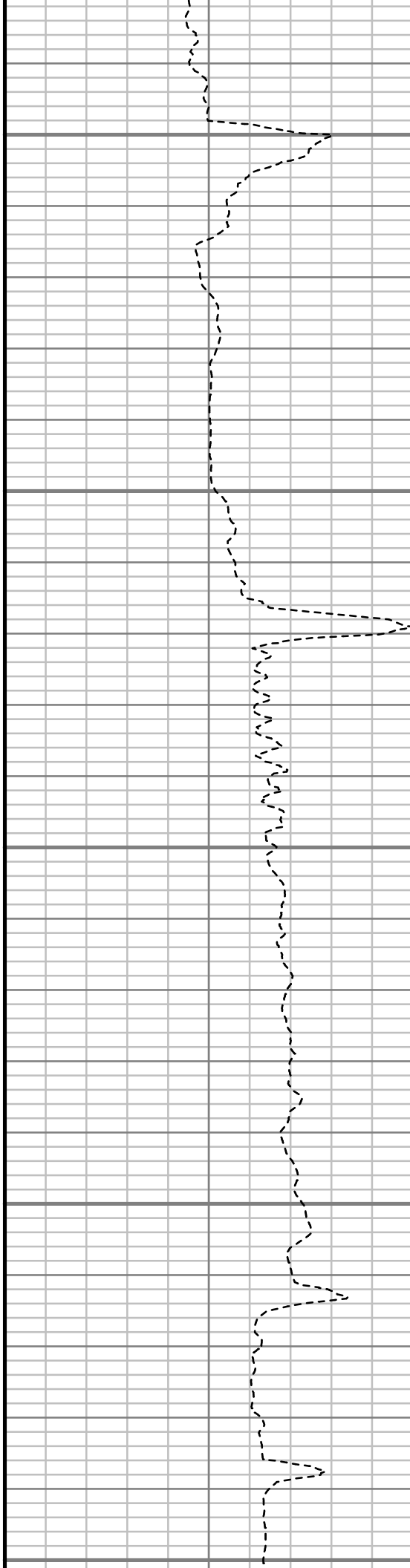
12450

12500

12550

12600

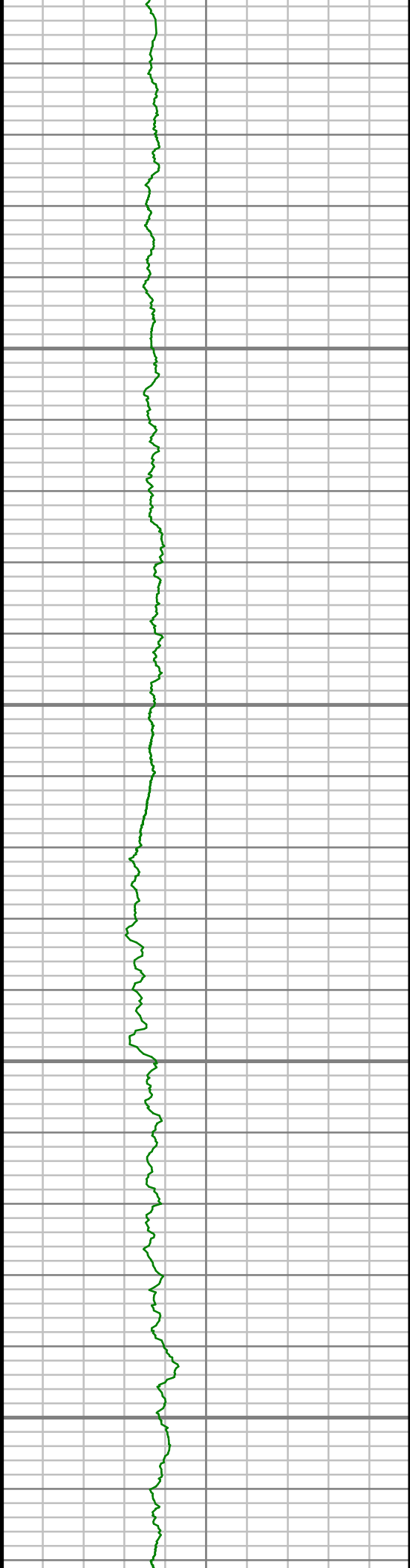
12650



S: 126 MD: 12455.00 ft Inc:
91.21 deg Az: 182.97 deg TVD:
7569.81 ft

S: 127 MD: 12550.00 ft Inc:
91.68 deg Az: 181.73 deg TVD:
7567.42 ft

S: 128 MD: 12645.00 ft Inc:
92.59 deg Az: 181.77 deg TVD:
7562.80 ft

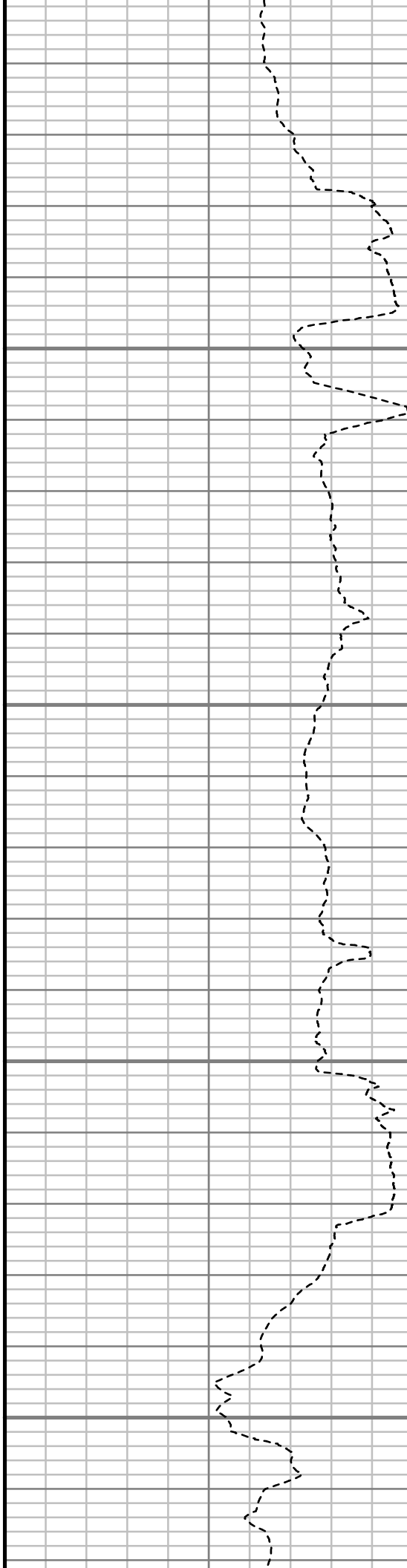


12700

12750

12800

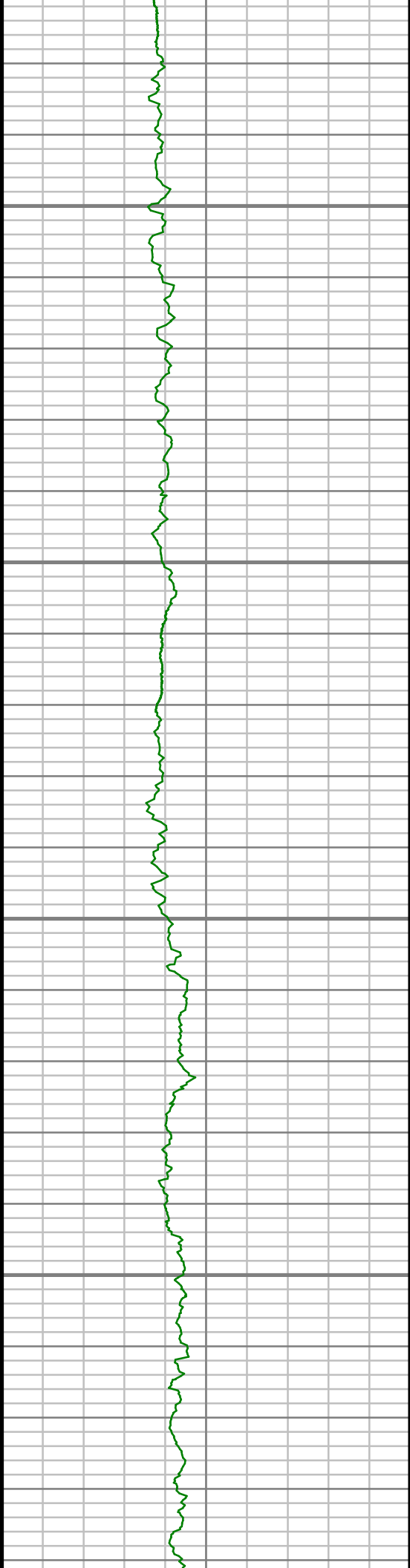
12850



7563.89 ft

S: 129 MD: 12740.00 ft Inc:
90.77 deg Az: 179.90 deg TVD:
7561.10 ft

S: 130 MD: 12834.00 ft Inc:
87.34 deg Az: 179.29 deg TVD:
7562.65 ft

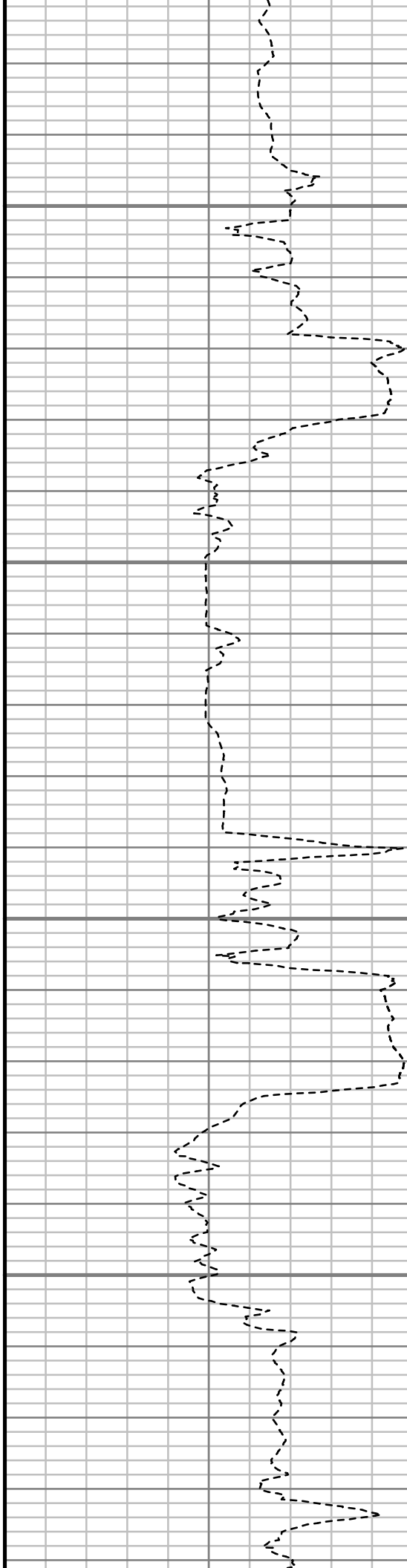


12900

12950

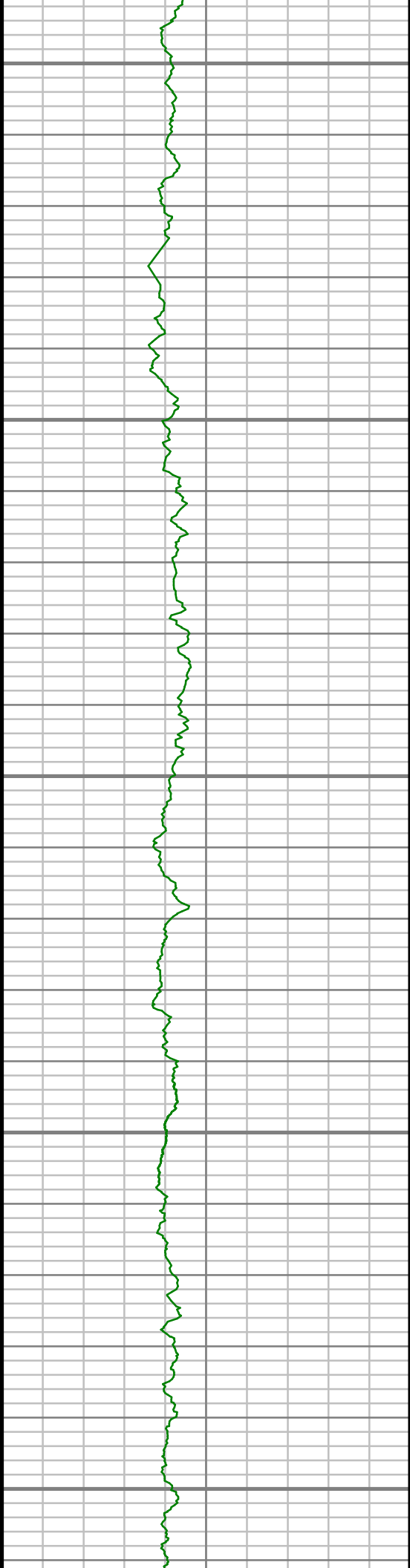
13000

13050



S: 131 MD: 12929.00 ft Inc:
88.06 deg Az: 179.03 deg TVD:
7566.46 ft

S: 132 MD: 13024.00 ft Inc:
89.26 deg Az: 180.84 deg TVD:
7568.68 ft



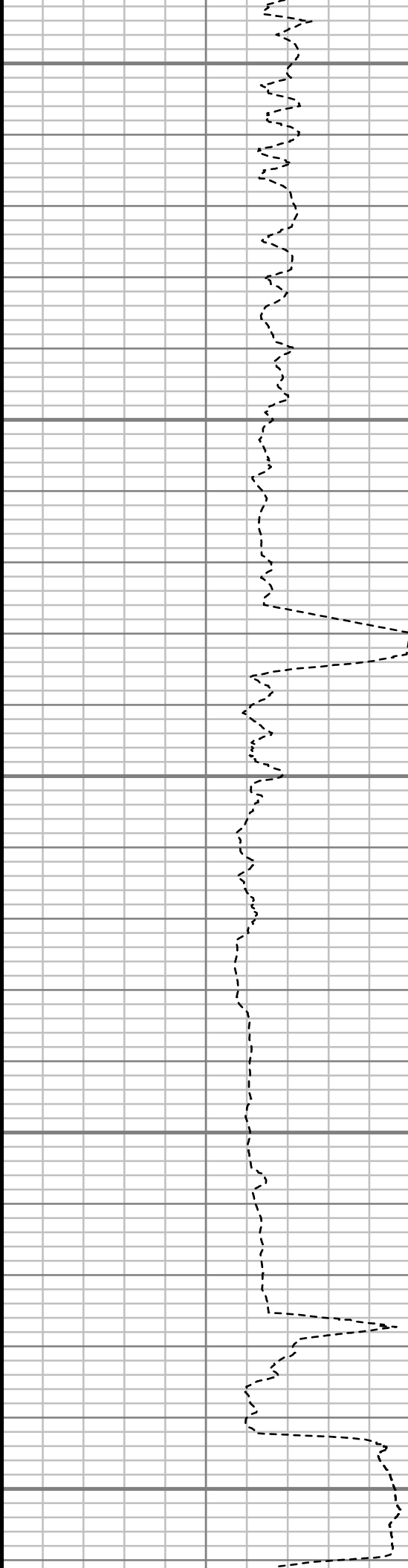
13100

13150

13200

13250

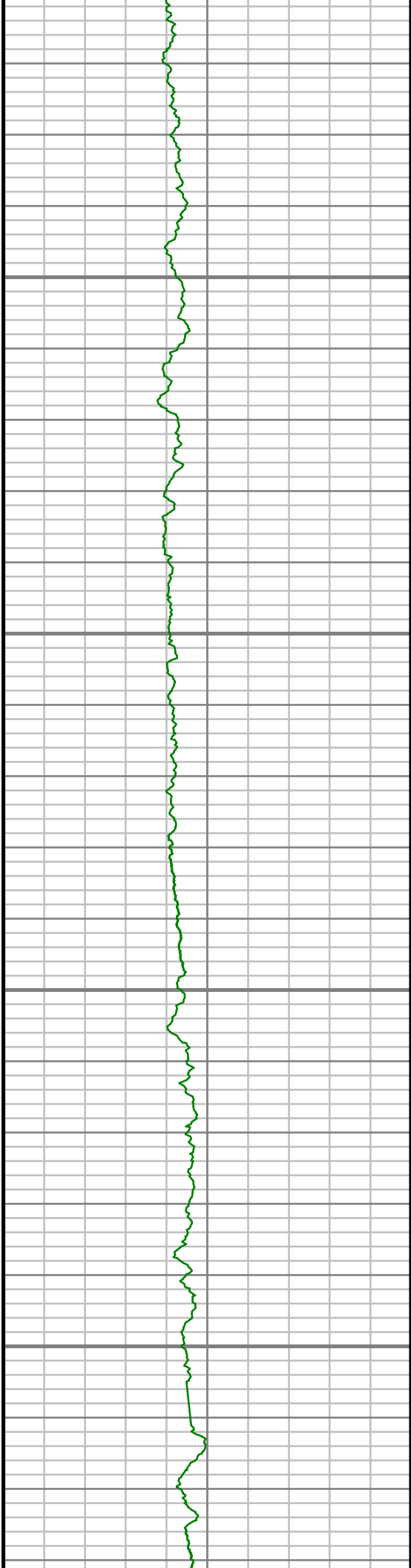
13300



S: 133 MD: 13119.00 ft Inc:
89.33 deg Az: 180.63 deg TVD:
7569.85 ft

S: 134 MD: 13214.00 ft Inc:
89.87 deg Az: 180.17 deg TVD:
7570.52 ft

S: 135 MD: 13309.00 ft Inc:

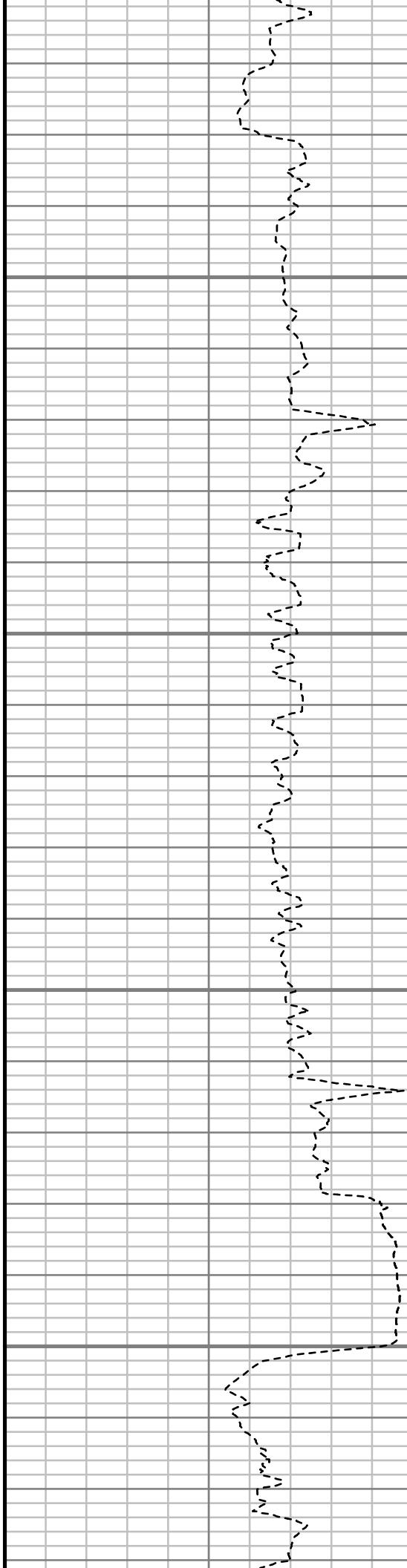


13350

13400

13450

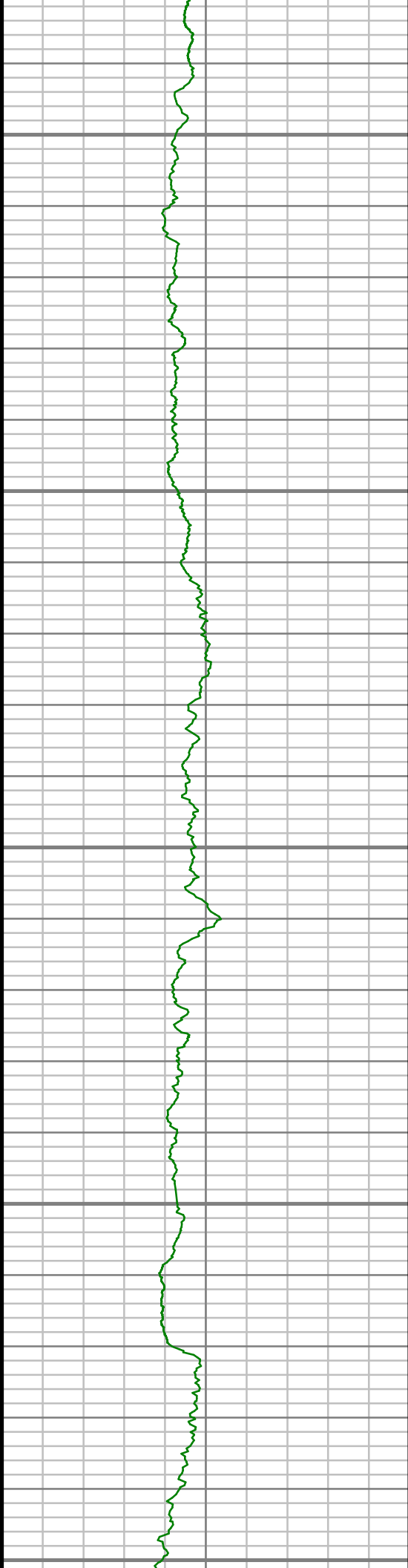
13500



90.27 deg Az: 181.46 deg TVD:
7570.41 ft

S: 136 MD: 13404.00 ft Inc:
90.67 deg Az: 180.80 deg TVD:
7569.63 ft

S: 137 MD: 13498.00 ft Inc:
89.66 deg Az: 182.19 deg TVD:
7569.36 ft



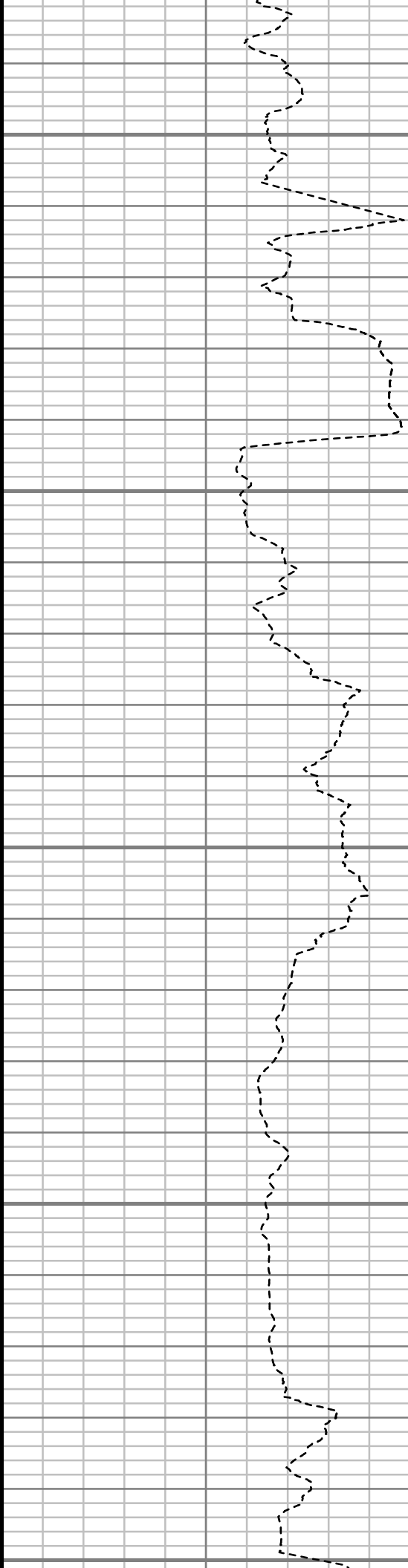
13550

13600

13650

13700

13750



S: 138 MD: 13593.00 ft Inc:
90.97 deg Az: 183.84 deg TVD:
7568.83 ft

S: 139 MD: 13688.00 ft Inc:
91.54 deg Az: 184.20 deg TVD:
7566.74 ft

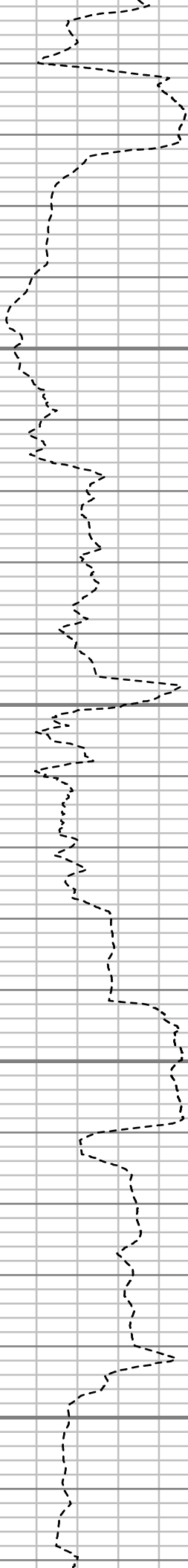


13800

13850

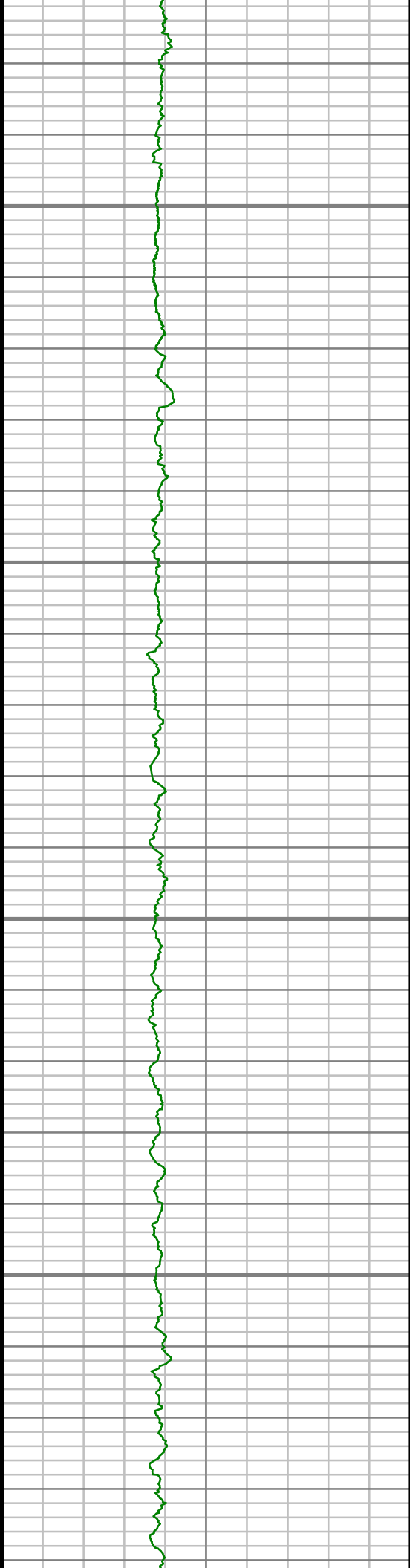
13900

13950



S: 140 MD: 13783.00 ft Inc:
90.91 deg Az: 183.89 deg TVD:
7564.71 ft

S: 141 MD: 13878.00 ft Inc:
91.31 deg Az: 183.65 deg TVD:
7562.88 ft

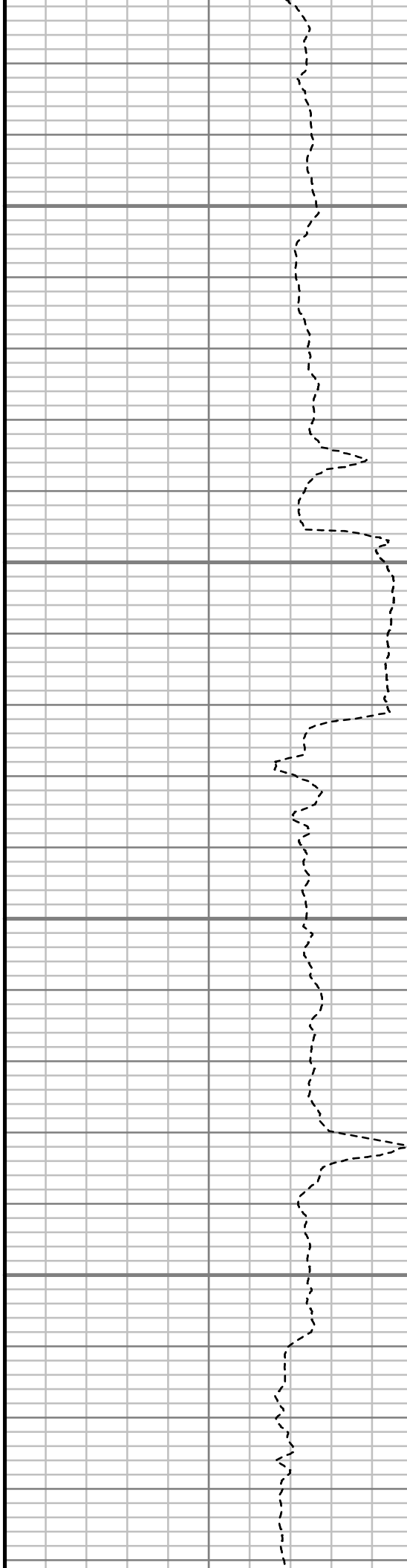


14000

14050

14100

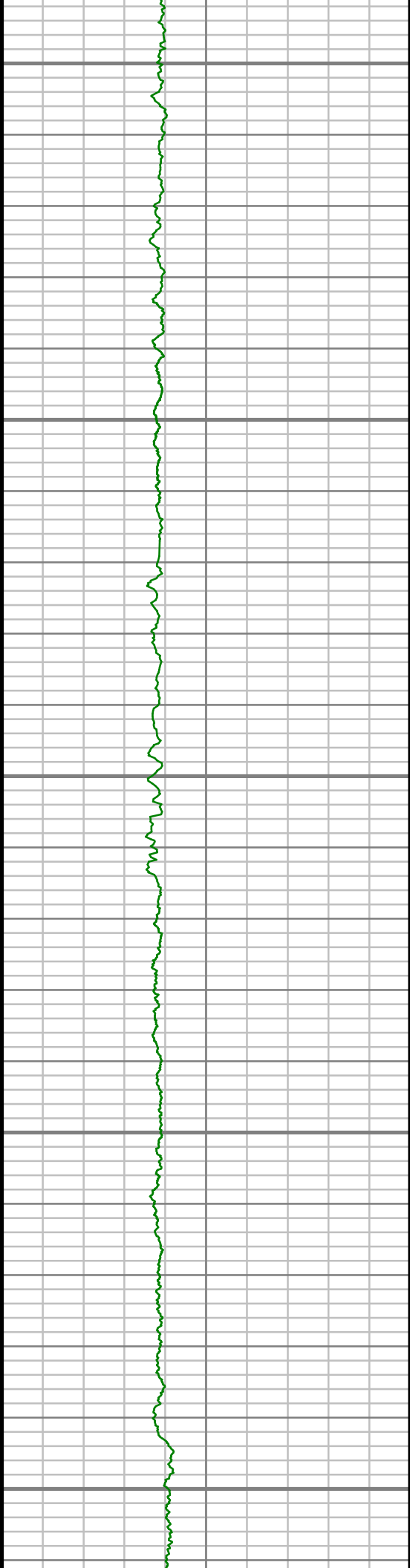
14150



S: 142 MD: 13973.00 ft Inc:
90.60 deg Az: 182.58 deg TVD:
7561.29 ft

S: 143 MD: 14068.00 ft Inc:
89.30 deg Az: 183.73 deg TVD:
7561.38 ft

S: 144 MD: 14163.00 ft Inc:
89.90 deg Az: 182.99 deg TVD:
7562.04 ft



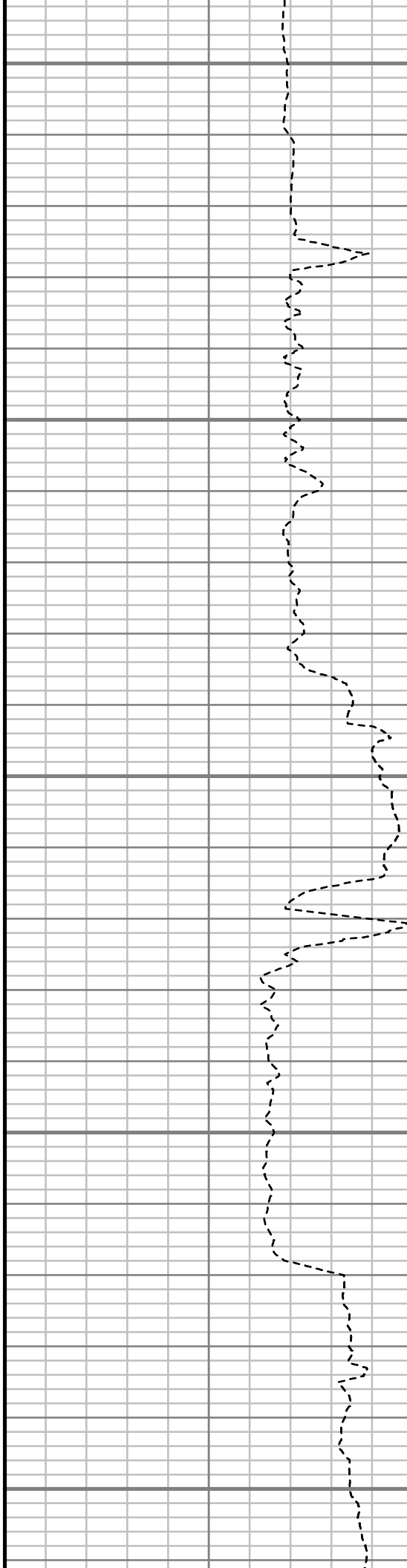
14200

14250

14300

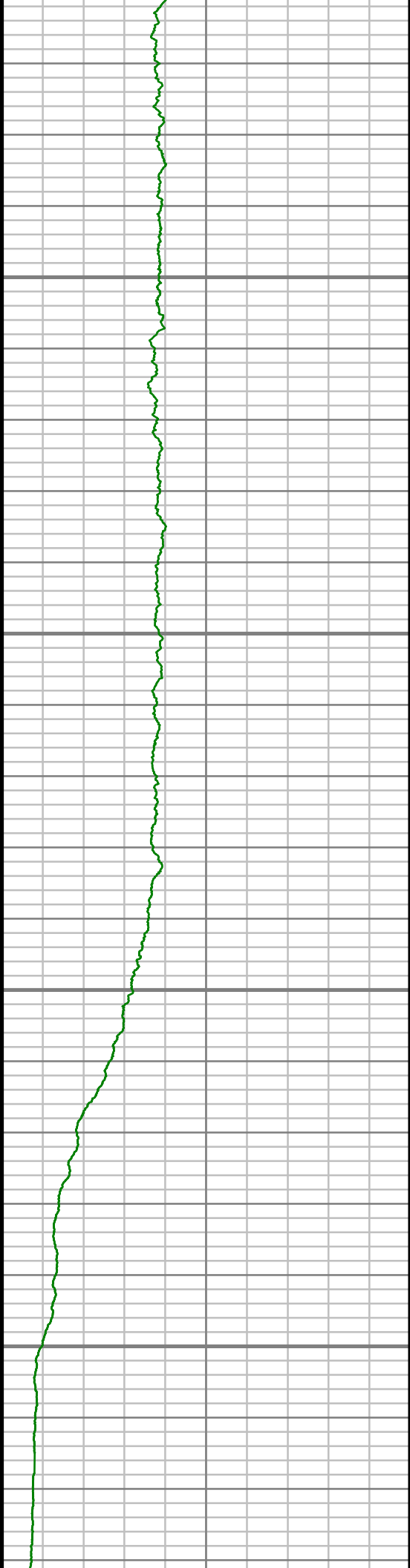
14350

14400



S: 145 MD: 14258.00 ft Inc:
90.84 deg Az: 182.51 deg TVD:
7561.43 ft

S: 146 MD: 14353.00 ft Inc:
89.70 deg Az: 183.64 deg TVD:
7560.98 ft

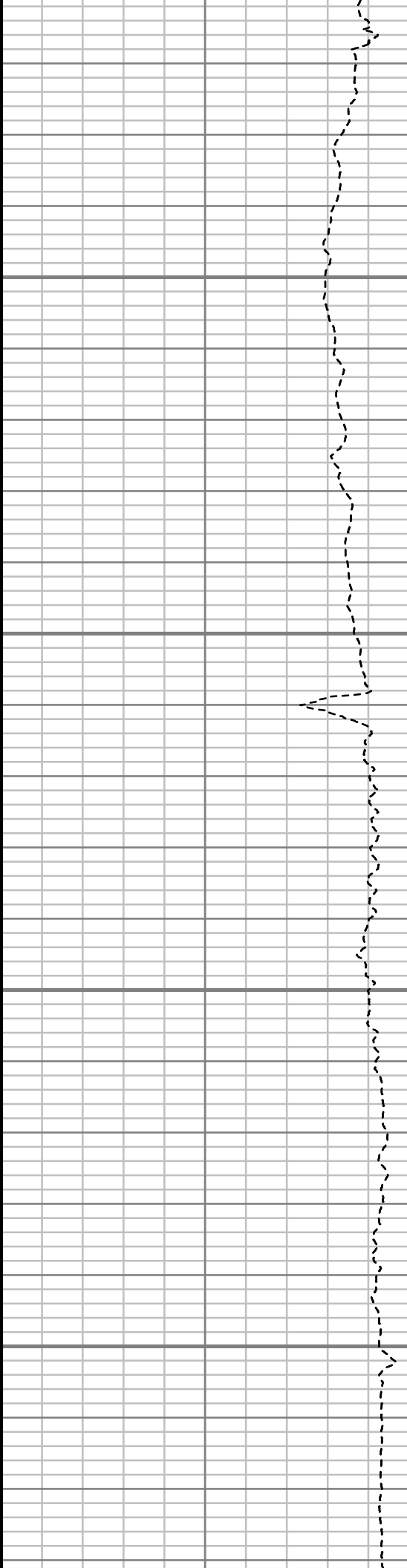


14450

14500

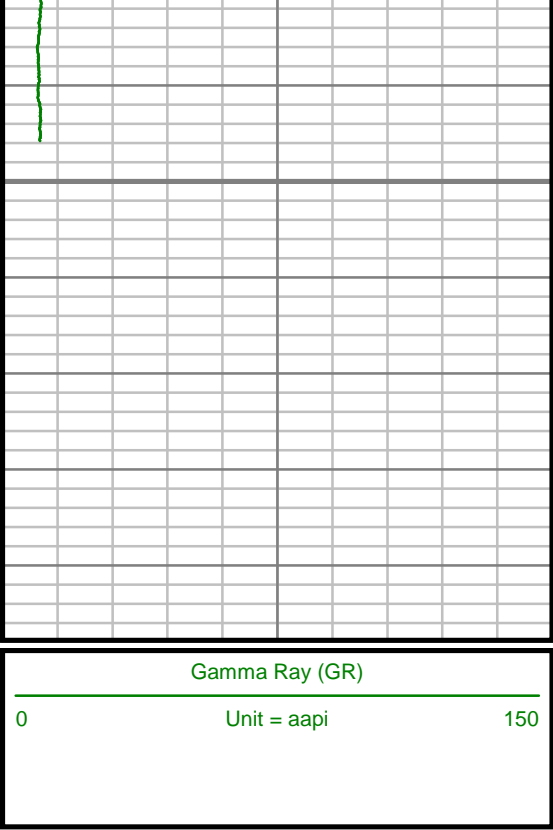
14550

14600



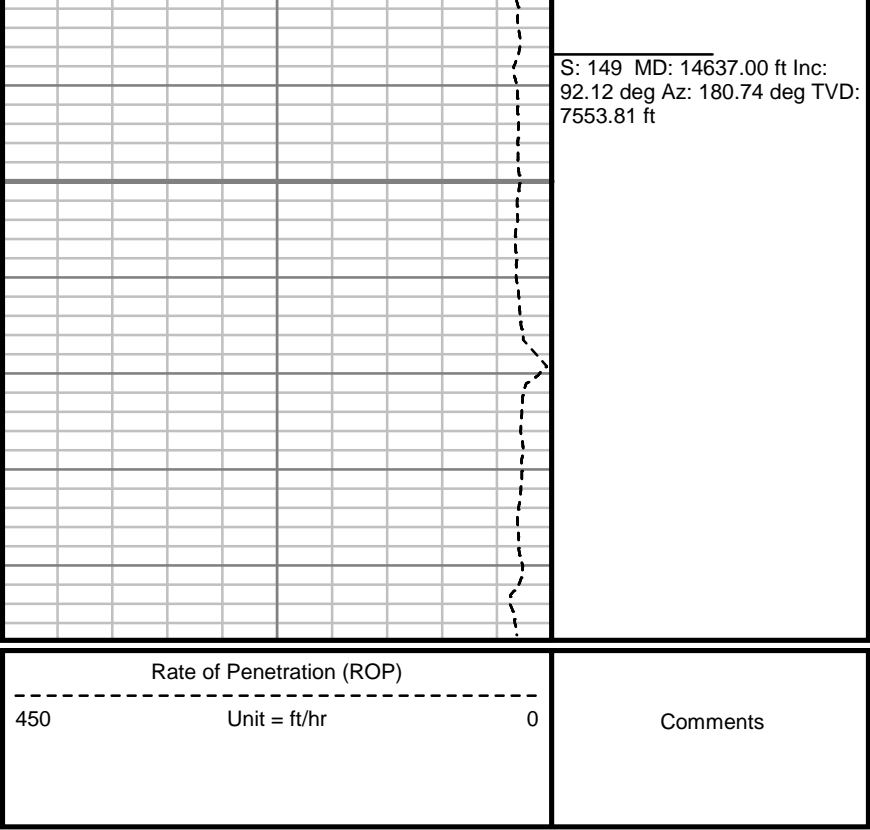
S: 147 MD: 14447.00 ft Inc:
91.21 deg Az: 183.12 deg TVD:
7560.24 ft

S: 148 MD: 14542.00 ft Inc:
92.22 deg Az: 181.68 deg TVD:
7557.40 ft



14650

MEASURED DEPTH
1-240 (ft)



Survey Report

Customer Name:	ENCANA OIL AND GAS (U.S.A.) INC						
Site Name:	RODMAN BRUNTZ						
Well Name:	RODMAN BRUNTZ 2D-26H						
Survey:	RODMAN BRUNTZ 2D-26H						
Survey Date:	10/31/2013						
Magnetic Declination:	8.54 deg						
North Reference:	True North						
Calculation Method:	Minimum Curvature						
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 180.00Azim (deg)						
MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
341.00	0.87	354.85	340.99	-2.59	2.59	-0.23	0.26
496.00	2.51	354.62	495.91	-7.15	7.15	-0.66	1.06
682.00	4.41	349.83	681.57	-18.25	18.25	-2.30	1.03
713.00	5.04	358.96	712.46	-20.79	20.79	-2.54	3.14
806.00	5.80	1.51	805.04	-29.57	29.57	-2.49	0.87
899.00	6.51	355.92	897.51	-39.53	39.53	-2.74	0.99
992.00	8.18	358.67	989.74	-51.41	51.41	-3.27	1.84
1085.00	8.75	3.17	1081.73	-65.08	65.08	-3.03	0.94

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
1178.00	8.96	358.68	1173.62	-79.39	79.39	-2.81	0.78
1264.00	8.62	359.59	1258.61	-92.53	92.53	-3.01	0.42
1357.00	9.26	9.38	1350.49	-106.89	106.89	-1.84	1.77
1450.00	9.80	11.33	1442.20	-122.02	122.02	0.93	0.68
1543.00	11.57	17.31	1533.59	-138.69	138.69	5.26	2.24
1636.00	12.23	9.88	1624.60	-157.29	157.29	9.73	1.79
1729.00	12.36	6.52	1715.47	-176.89	176.89	12.55	0.78
1822.00	12.43	3.19	1806.30	-196.77	196.77	14.24	0.77
1915.00	11.67	0.65	1897.25	-216.17	216.17	14.90	0.99
2010.00	11.60	4.89	1990.30	-235.29	235.29	15.82	0.90
2105.00	11.92	3.96	2083.31	-254.59	254.59	17.32	0.39
2200.00	11.55	1.13	2176.32	-273.88	273.88	18.18	0.72
2295.00	11.75	6.93	2269.37	-292.99	292.99	19.53	1.25
2390.00	11.04	5.73	2362.50	-311.65	311.65	21.61	0.79
2484.00	10.45	4.28	2454.85	-329.11	329.11	23.14	0.69
2580.00	9.87	1.00	2549.34	-346.02	346.02	23.94	0.86
2674.00	9.29	0.44	2642.03	-361.66	361.66	24.14	0.63
2769.00	9.19	1.37	2735.80	-376.91	376.91	24.38	0.19
2864.00	8.84	2.15	2829.62	-391.79	391.79	24.83	0.40
3054.00	11.15	16.43	3016.76	-424.00	424.00	30.57	1.77

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
3243.00	10.15	13.46	3202.50	-457.72	457.72	39.61	0.60
3433.00	9.07	357.54	3389.87	-488.96	488.96	42.87	1.50
3623.00	6.75	4.15	3578.05	-515.06	515.06	43.03	1.31
3813.00	5.10	354.51	3767.04	-534.60	534.60	43.03	1.01
4003.00	2.75	30.75	3956.60	-546.93	546.93	44.56	1.74
4193.00	0.55	83.08	4146.52	-550.96	550.96	47.80	1.29
4383.00	0.56	88.60	4336.51	-551.09	551.09	49.63	0.03
4572.00	0.43	327.56	4525.51	-551.71	551.71	50.17	0.45
4762.00	0.47	305.87	4715.50	-552.76	552.76	49.15	0.09
4951.00	0.56	283.85	4904.49	-553.44	553.44	47.62	0.12
5141.00	1.02	278.65	5094.47	-553.92	553.92	45.04	0.24
5331.00	1.27	262.86	5284.44	-553.91	553.91	41.28	0.21
5521.00	0.98	12.35	5474.42	-555.24	555.24	39.55	0.97
5710.00	1.12	352.35	5663.38	-558.64	558.64	39.65	0.21
5900.00	1.26	351.95	5853.34	-562.54	562.54	39.11	0.08
6090.00	2.03	105.29	6043.30	-563.72	563.72	42.06	1.46
6280.00	0.40	12.96	6233.26	-563.49	563.49	45.46	1.10
6469.00	1.10	343.41	6422.24	-565.87	565.87	45.09	0.41
6659.00	0.80	334.91	6612.21	-568.82	568.82	44.01	0.17

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
6849.00	0.10	347.26	6802.21	-570.17	570.17	43.41	0.37
6944.00	1.66	322.43	6897.19	-571.34	571.34	42.56	1.66
6975.00	1.42	263.56	6928.18	-571.65	571.65	41.90	4.93
7007.00	2.09	208.36	6960.17	-571.09	571.09	41.23	5.41
7039.00	4.54	188.52	6992.12	-569.33	569.33	40.77	8.34
7070.00	7.28	183.35	7022.95	-566.15	566.15	40.47	9.00
7102.00	10.00	179.83	7054.58	-561.35	561.35	40.36	8.65
7134.00	12.63	177.28	7085.96	-555.07	555.07	40.53	8.35
7165.00	14.43	174.86	7116.10	-547.84	547.84	41.04	6.10
7197.00	17.38	176.34	7146.87	-539.10	539.10	41.70	9.29
7229.00	20.06	176.10	7177.17	-528.85	528.85	42.38	8.40
7260.00	22.63	175.50	7206.04	-517.60	517.60	43.21	8.29
7292.00	26.49	173.69	7235.14	-504.36	504.36	44.48	12.30
7323.00	30.38	174.56	7262.40	-489.68	489.68	45.99	12.61
7355.00	34.97	175.06	7289.33	-472.48	472.48	47.54	14.38
7387.00	38.30	174.98	7315.00	-453.46	453.46	49.20	10.39
7418.00	41.92	175.65	7338.71	-433.56	433.56	50.83	11.79
7450.00	44.92	176.97	7361.95	-411.61	411.61	52.24	9.79
7482.00	46.83	179.02	7384.23	-388.66	388.66	53.04	7.54
7513.00	49.65	181.14	7404.87	-365.54	365.54	52.99	10.42

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
7545.00	50.99	181.48	7425.30	-340.92	340.92	52.43	4.28
7576.00	53.55	179.46	7444.27	-316.40	316.40	52.24	9.73
7608.00	55.76	178.60	7462.78	-290.31	290.31	52.68	7.23
7640.00	59.33	178.07	7479.95	-263.32	263.32	53.47	11.23
7671.00	63.72	178.75	7494.73	-236.09	236.09	54.22	14.30
7703.00	66.36	179.83	7508.23	-207.08	207.08	54.58	8.80
7735.00	70.17	180.31	7520.08	-177.36	177.36	54.54	11.98
7766.00	73.22	179.86	7529.82	-147.94	147.94	54.50	9.94
7798.00	76.24	179.42	7538.24	-117.07	117.07	54.69	9.53
7829.00	78.96	179.02	7544.90	-86.80	86.80	55.10	8.86
7861.00	82.54	179.05	7550.04	-55.23	55.23	55.64	11.19
8025.00	90.13	178.68	7560.52	108.29	-108.29	58.88	4.64
8118.00	89.87	179.35	7560.52	201.27	-201.27	60.48	0.77
8211.00	91.04	181.40	7559.78	294.26	-294.26	59.87	2.54
8303.00	90.60	179.23	7558.46	386.24	-386.24	59.37	2.40
8396.00	90.03	180.93	7557.95	479.24	-479.24	59.24	1.92
8489.00	90.54	180.83	7557.48	572.23	-572.23	57.82	0.55
8582.00	91.07	180.82	7556.18	665.21	-665.21	56.48	0.58
8675.00	89.09	182.40	7556.04	758.16	-758.16	53.86	2.72

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
8768.00	89.26	181.30	7557.37	851.10	-851.10	50.86	1.19
8861.00	89.20	181.06	7558.63	944.08	-944.08	48.94	0.28
8954.00	90.54	181.35	7558.84	1037.05	-1037.05	46.99	1.48
9047.00	92.08	180.82	7556.72	1130.01	-1130.01	45.23	1.76
9140.00	90.47	180.22	7554.65	1222.98	-1222.98	44.39	1.85
9233.00	90.30	179.08	7554.02	1315.97	-1315.97	44.96	1.24
9326.00	90.00	177.38	7553.78	1408.92	-1408.92	47.83	1.85
9419.00	88.69	178.14	7554.84	1501.84	-1501.84	51.47	1.63
9514.00	88.69	180.70	7557.01	1596.81	-1596.81	52.43	2.70
9608.00	89.66	182.41	7558.36	1690.76	-1690.76	49.88	2.10
9703.00	89.87	181.67	7558.75	1785.70	-1785.70	46.49	0.81
9798.00	90.30	180.78	7558.61	1880.67	-1880.67	44.46	1.04
9893.00	90.44	179.97	7558.00	1975.67	-1975.67	43.83	0.86
9988.00	89.33	180.08	7558.20	2070.67	-2070.67	43.79	1.17
10083.00	89.87	180.60	7558.86	2165.66	-2165.66	43.24	0.79
10178.00	89.23	180.34	7559.61	2260.66	-2260.66	42.47	0.72
10273.00	87.75	179.98	7562.12	2355.62	-2355.62	42.20	1.60
10368.00	88.56	180.00	7565.18	2450.57	-2450.57	42.22	0.85
10463.00	88.86	179.57	7567.32	2545.54	-2545.54	42.58	0.56
10558.00	89.33	178.61	7568.82	2640.52	-2640.52	44.09	1.12

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
10653.00	89.53	177.95	7569.76	2735.47	-2735.47	46.94	0.72
10747.00	89.23	179.76	7570.78	2829.44	-2829.44	48.81	1.94
10842.00	89.77	179.77	7571.62	2924.44	-2924.44	49.20	0.57
10937.00	90.10	178.79	7571.73	3019.43	-3019.43	50.39	1.09
11032.00	89.26	180.80	7572.26	3114.42	-3114.42	50.73	2.29
11127.00	90.03	181.29	7572.84	3209.40	-3209.40	49.00	0.96
11222.00	90.84	181.65	7572.12	3304.37	-3304.37	46.56	0.93
11317.00	91.11	181.29	7570.50	3399.32	-3399.32	44.12	0.48
11412.00	91.41	180.40	7568.42	3494.29	-3494.29	42.72	0.99
11506.00	91.85	180.24	7565.75	3588.25	-3588.25	42.20	0.49
11601.00	91.14	178.58	7563.27	3683.21	-3683.21	43.18	1.90
11696.00	92.42	178.39	7560.32	3778.13	-3778.13	45.69	1.36
11791.00	89.33	179.10	7558.88	3873.08	-3873.08	47.76	3.34
11886.00	89.43	180.63	7559.91	3968.07	-3968.07	47.99	1.61
11981.00	89.29	181.21	7560.96	4063.05	-4063.05	46.47	0.63
12076.00	89.16	180.52	7562.24	4158.03	-4158.03	45.04	0.74
12170.00	86.27	180.38	7565.99	4251.95	-4251.95	44.30	3.08
12265.00	88.76	180.73	7570.12	4346.84	-4346.84	43.38	2.65
12360.00	90.20	182.61	7570.98	4441.79	-4441.79	40.61	2.49

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
12455.00	91.21	182.97	7569.81	4536.67	-4536.67	35.98	1.13
12550.00	91.68	181.73	7567.42	4631.56	-4631.56	32.09	1.40
12645.00	92.59	181.77	7563.89	4726.45	-4726.45	29.19	0.96
12740.00	90.77	179.90	7561.10	4821.39	-4821.39	27.81	2.75
12834.00	87.34	179.29	7562.65	4915.36	-4915.36	28.48	3.70
12929.00	88.06	179.03	7566.46	5010.27	-5010.27	29.88	0.80
13024.00	89.26	180.84	7568.68	5105.24	-5105.24	29.98	2.29
13119.00	89.33	180.63	7569.85	5200.23	-5200.23	28.76	0.24
13214.00	89.87	180.17	7570.52	5295.22	-5295.22	28.10	0.74
13309.00	90.27	181.46	7570.41	5390.21	-5390.21	26.74	1.42
13404.00	90.67	180.80	7569.63	5485.19	-5485.19	24.87	0.82
13498.00	89.66	182.19	7569.36	5579.15	-5579.15	22.42	1.82
13593.00	90.97	183.84	7568.83	5674.01	-5674.01	17.43	2.22
13688.00	91.54	184.20	7566.74	5768.75	-5768.75	10.77	0.71
13783.00	90.91	183.89	7564.71	5863.50	-5863.50	4.07	0.75
13878.00	91.31	183.65	7562.88	5958.27	-5958.27	-2.18	0.49
13973.00	90.60	182.58	7561.29	6053.12	-6053.12	-7.34	1.35
14068.00	89.30	183.73	7561.38	6147.97	-6147.97	-12.57	1.83
14163.00	89.90	182.99	7562.04	6242.80	-6242.80	-18.13	1.01
14258.00	90.84	182.51	7561.43	6337.69	-6337.69	-22.68	1.11

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
14353.00	89.70	183.64	7560.98	6432.55	-6432.55	-27.78	1.69
14447.00	91.21	183.12	7560.24	6526.38	-6526.38	-33.31	1.70
14542.00	92.22	181.68	7557.40	6621.25	-6621.25	-37.29	1.84
14637.00	92.12	180.74	7553.81	6716.16	-6716.16	-39.30	1.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft

5" = 100' FEET MD