

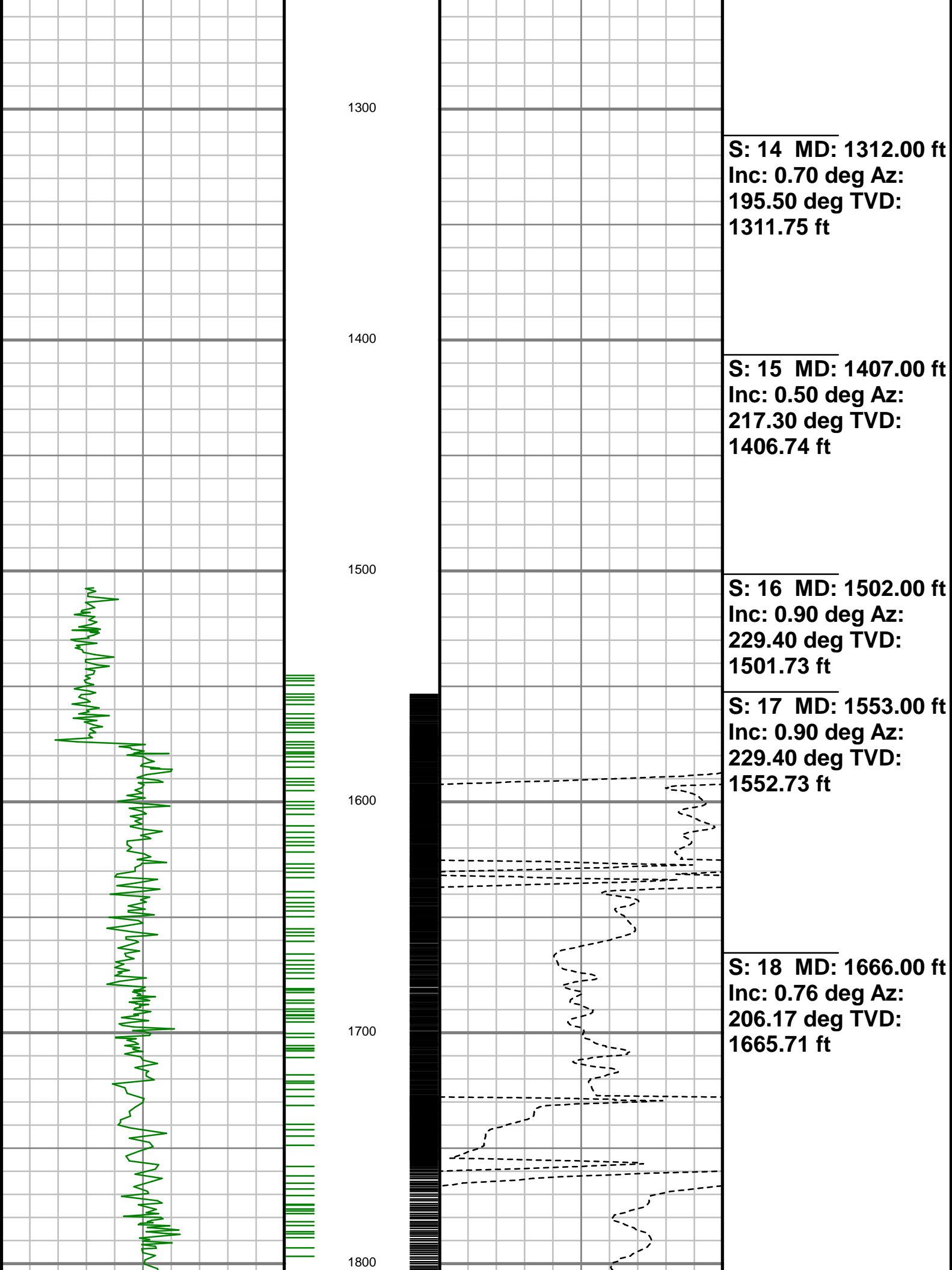
[illegible]

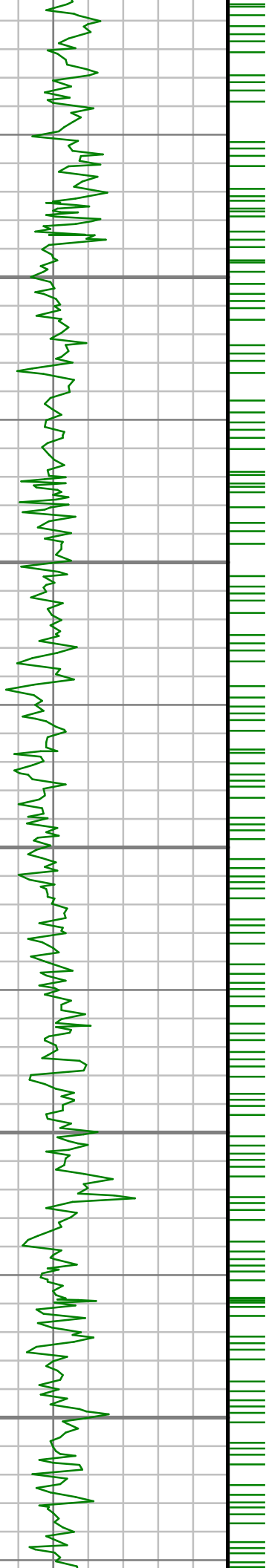
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

EXTRACTIO OIL & GAS					
BRENIMAN 2 WATTENBERG FEILD 05-123-40424					
Gamma Ray (GR)		MEASURED DEPTH 1:600 (ft)	Rate of Penetration (ROP)		Comments
0	Unit = aapi		200		
		0			T MD: 0.00 ft Inc: 0.00 deg Az: 0.00 deg TVD: 0.00 ft
		100			S: 1 MD: 77.00 ft Inc: 1.40 deg Az: 54.00 deg TVD: 76.99 ft

S: 1 MD: 127.00 ft Inc: 1.50 deg Az: 39.20 deg TVD: 171.96 ft	
200	S: 2 MD: 172.00 ft Inc: 1.50 deg Az: 39.20 deg TVD: 171.96 ft
300	S: 3 MD: 267.00 ft Inc: 1.60 deg Az: 32.80 deg TVD: 266.93 ft
400	S: 4 MD: 362.00 ft Inc: 1.20 deg Az: 351.40 deg TVD: 361.90 ft
500	S: 5 MD: 457.00 ft Inc: 1.50 deg Az: 334.70 deg TVD: 456.88 ft
600	S: 6 MD: 552.00 ft Inc: 1.40 deg Az: 323.50 deg TVD: 551.84 ft
700	S: 7 MD: 647.00 ft Inc: 0.70 deg Az: 269.20 deg TVD: 646.83 ft

MD	Inc	Az	TVD	MD	Inc	Az	TVD
742.00	1.10	152.20	741.82	837.00	0.90	149.10	836.81
932.00	1.00	167.40	931.80	1027.00	1.00	164.40	1026.78
1122.00	1.10	166.30	1121.77	1217.00	0.80	183.70	1216.75





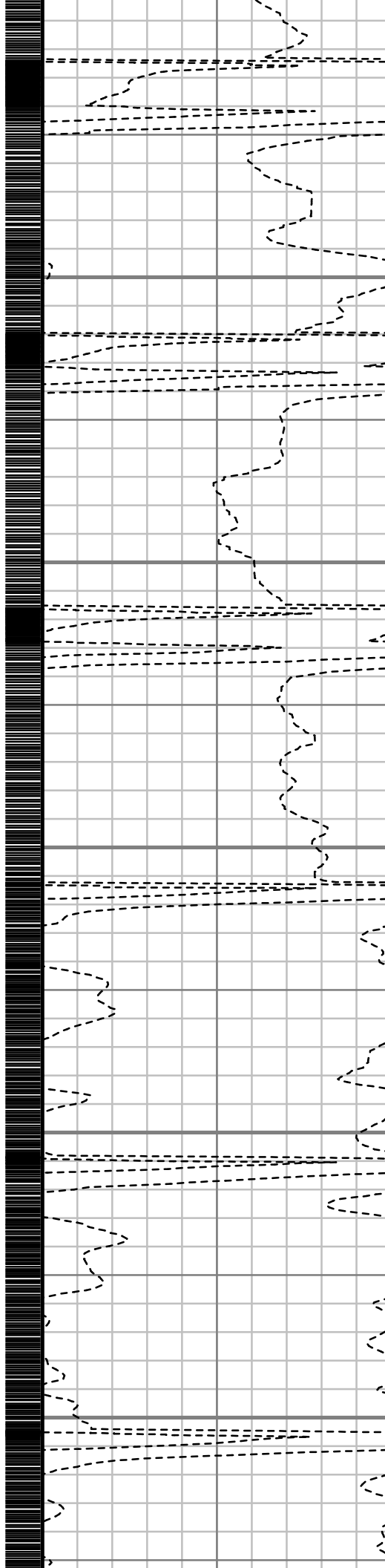
1900

2000

2100

2200

2300



S: 19 MD: 1856.00 ft
Inc: 8.30 deg Az:
247.97 deg TVD:
1855.00 ft

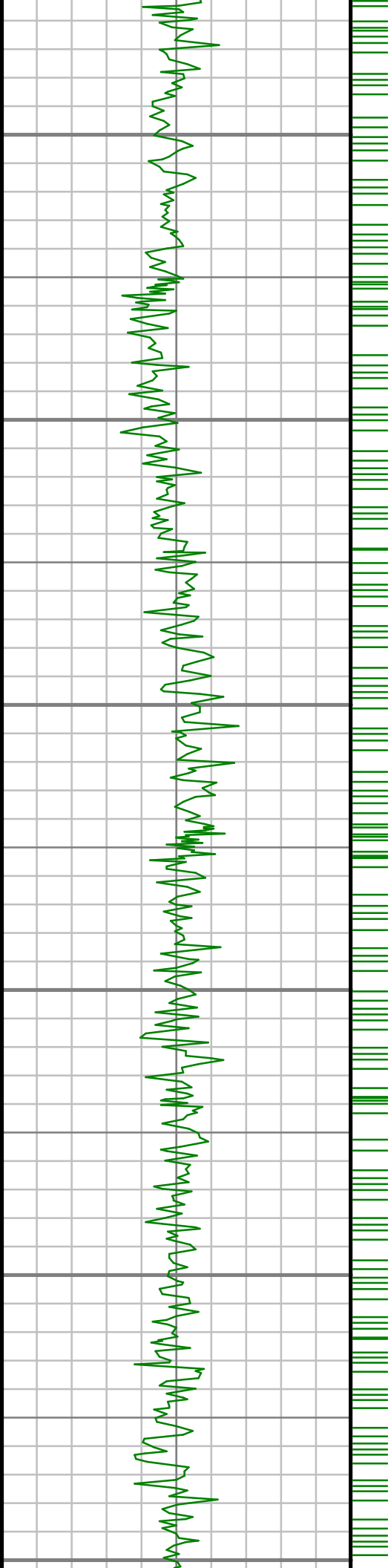
S: 20 MD: 1951.00 ft
Inc: 10.45 deg Az:
243.83 deg TVD:
1948.73 ft

S: 21 MD: 2046.00 ft
Inc: 12.22 deg Az:
242.82 deg TVD:
2041.87 ft

S: 22 MD: 2142.00 ft
Inc: 11.30 deg Az:
241.80 deg TVD:
2135.85 ft

S: 23 MD: 2238.00 ft
Inc: 10.51 deg Az:
242.03 deg TVD:
2230.12 ft

S: 24 MD: 2333.00 ft
Inc: 9.61 deg Az:



2400

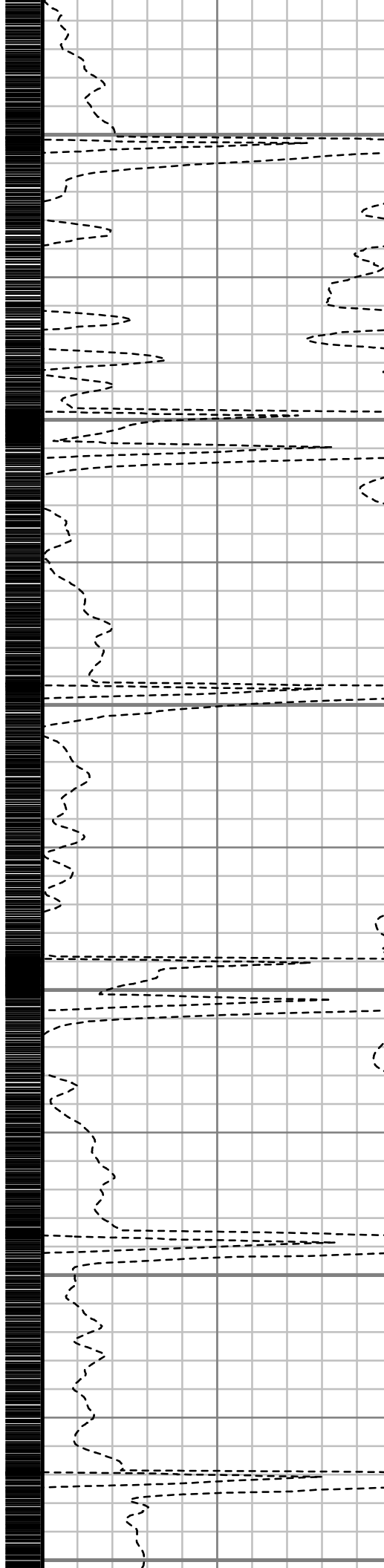
2500

2600

2700

2800

2900



242.59 deg TVD:
2323.66 ft

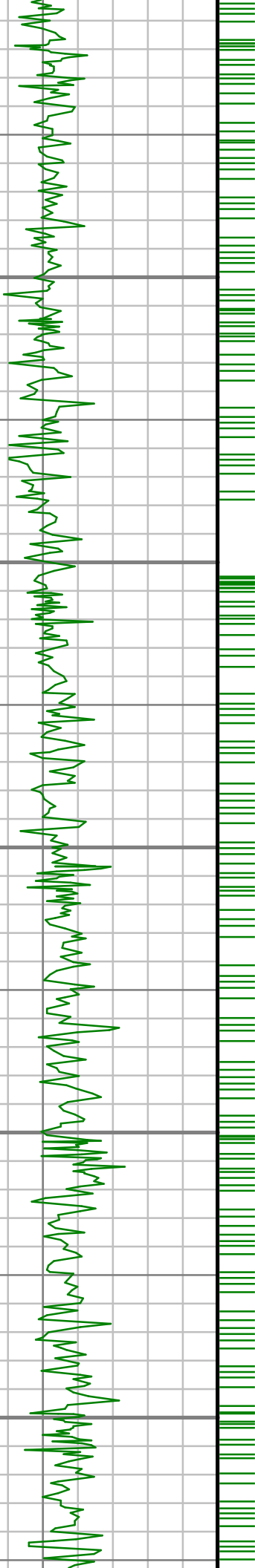
S: 25 MD: 2428.00 ft
Inc: 8.89 deg Az:
240.16 deg TVD:
2417.42 ft

S: 26 MD: 2523.00 ft
Inc: 11.09 deg Az:
244.96 deg TVD:
2510.98 ft

S: 27 MD: 2618.00 ft
Inc: 9.91 deg Az:
243.57 deg TVD:
2604.39 ft

S: 28 MD: 2713.00 ft
Inc: 10.94 deg Az:
239.40 deg TVD:
2697.82 ft

S: 29 MD: 2808.00 ft
Inc: 12.68 deg Az:
242.11 deg TVD:
2790.80 ft



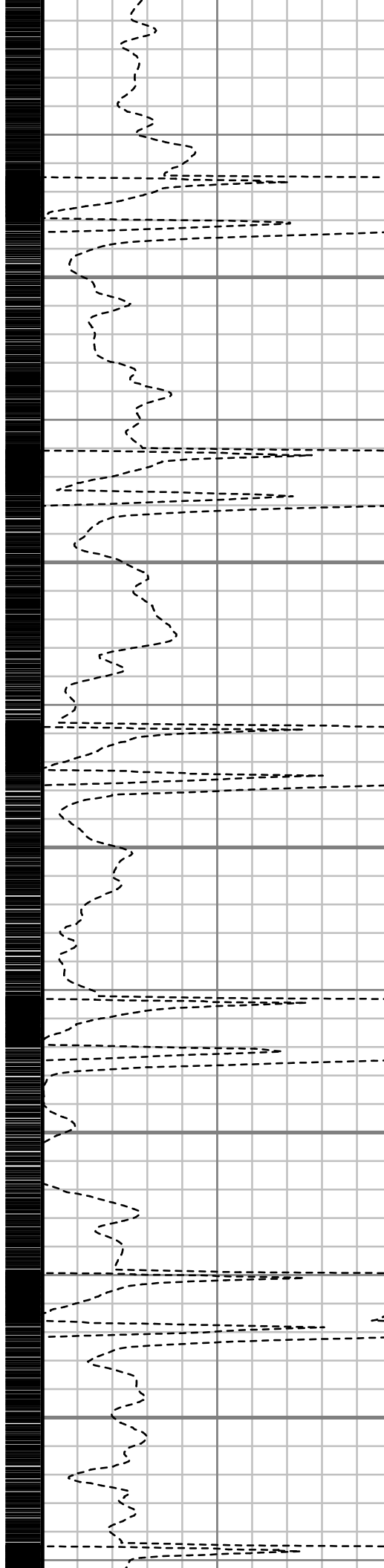
3000

3100

3200

3300

3400



S: 30 MD: 2904.00 ft
Inc: 11.92 deg Az:
240.22 deg TVD:
2884.60 ft

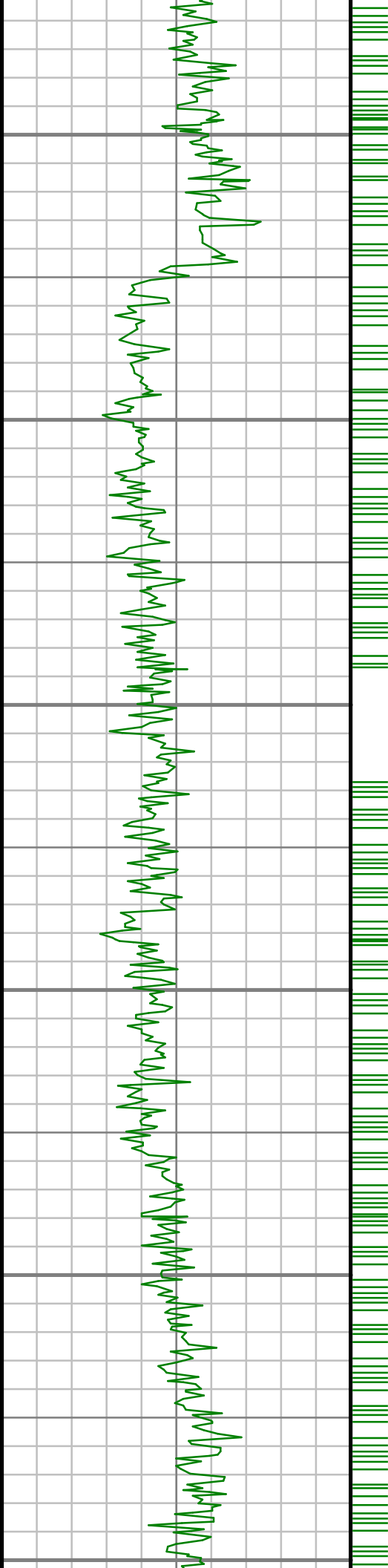
S: 31 MD: 2999.00 ft
Inc: 12.87 deg Az:
240.18 deg TVD:
2977.39 ft

S: 32 MD: 3095.00 ft
Inc: 13.92 deg Az:
241.39 deg TVD:
3070.78 ft

S: 33 MD: 3190.00 ft
Inc: 14.55 deg Az:
240.44 deg TVD:
3162.86 ft

S: 34 MD: 3286.00 ft
Inc: 15.66 deg Az:
239.12 deg TVD:
3255.54 ft

S: 35 MD: 3380.00 ft
Inc: 16.87 deg Az:
238.39 deg TVD:
3345.78 ft



3500

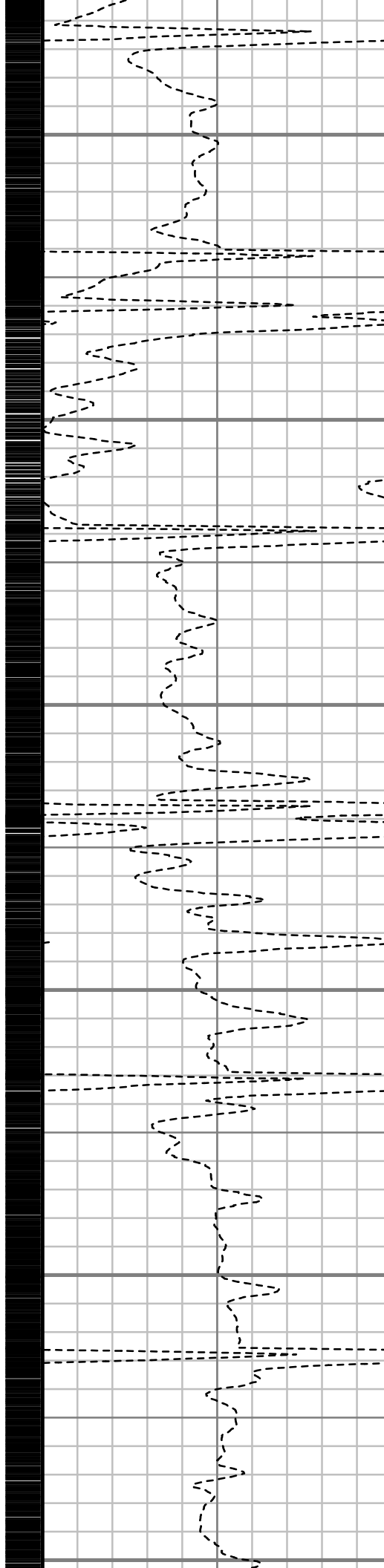
3600

3700

3800

3900

4000



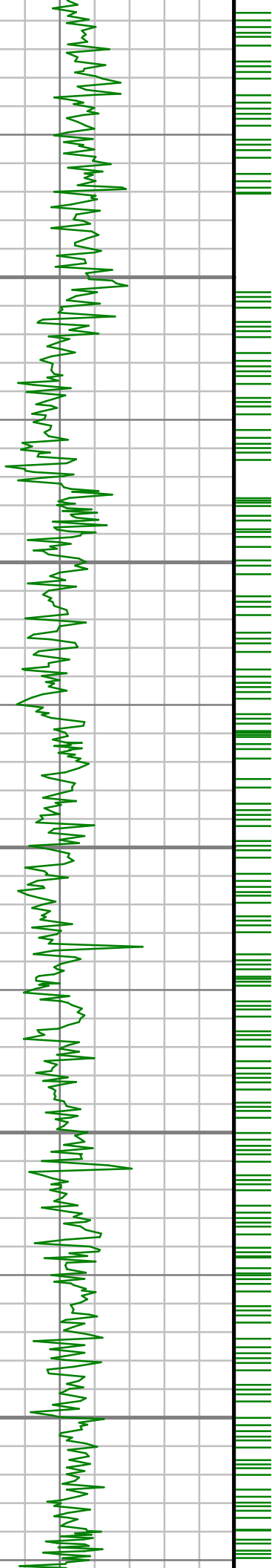
S: 36 MD: 3475.00 ft
Inc: 17.20 deg Az:
237.17 deg TVD:
3436.61 ft

S: 37 MD: 3571.00 ft
Inc: 19.15 deg Az:
239.77 deg TVD:
3527.82 ft

S: 38 MD: 3761.00 ft
Inc: 20.08 deg Az:
238.74 deg TVD:
3706.79 ft

S: 39 MD: 3856.00 ft
Inc: 20.23 deg Az:
238.96 deg TVD:
3795.97 ft

S: 40 MD: 3951.00 ft
Inc: 19.01 deg Az:
238.68 deg TVD:
3885.45 ft



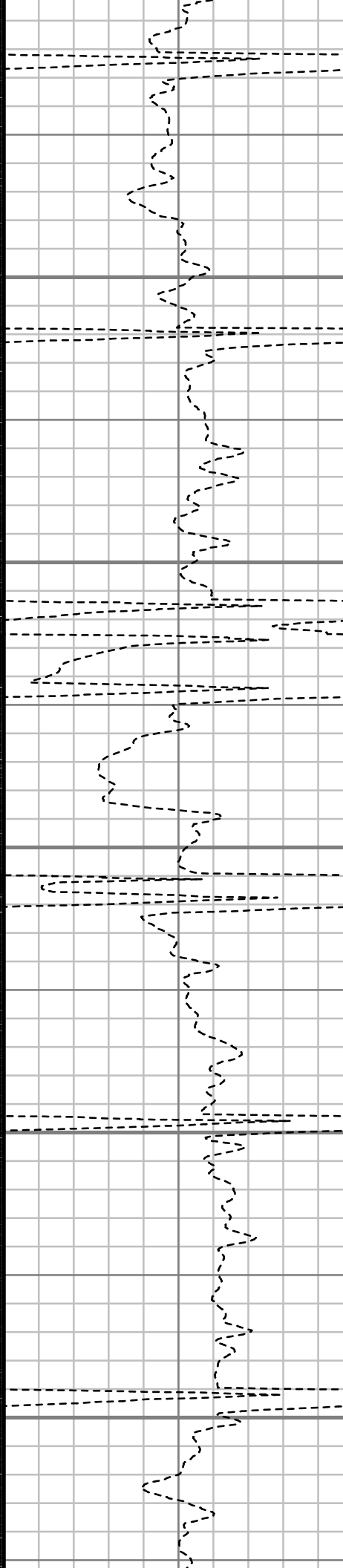
4100

4200

4300

4400

4500



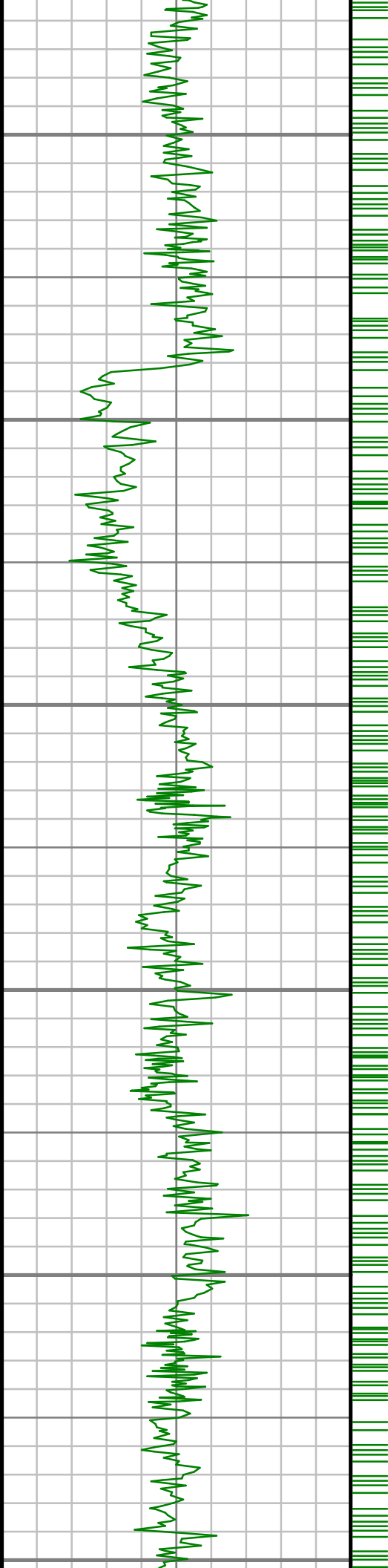
S: 41 MD: 4142.00 ft
Inc: 14.71 deg Az:
240.17 deg TVD:
4068.20 ft

S: 42 MD: 4237.00 ft
Inc: 16.31 deg Az:
241.82 deg TVD:
4159.74 ft

S: 43 MD: 4333.00 ft
Inc: 18.54 deg Az:
242.38 deg TVD:
4251.33 ft

S: 44 MD: 4428.00 ft
Inc: 17.64 deg Az:
241.45 deg TVD:
4341.63 ft

S: 45 MD: 4523.00 ft
Inc: 15.94 deg Az:
241.06 deg TVD:



4600

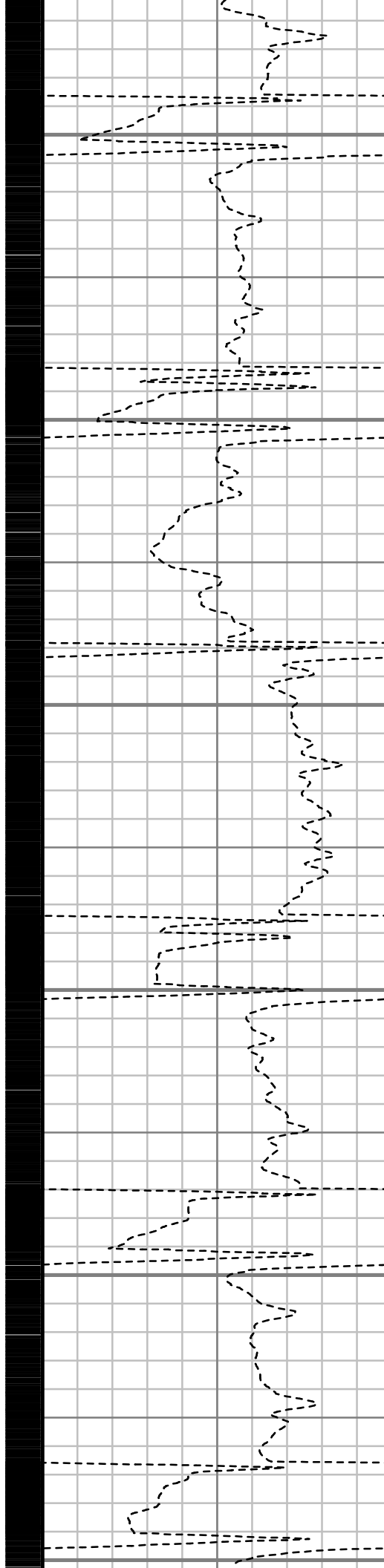
4700

4800

4900

5000

5100



S: 46 MD: 4618.00 ft
Inc: 17.38 deg Az:
240.07 deg TVD:
4523.59 ft

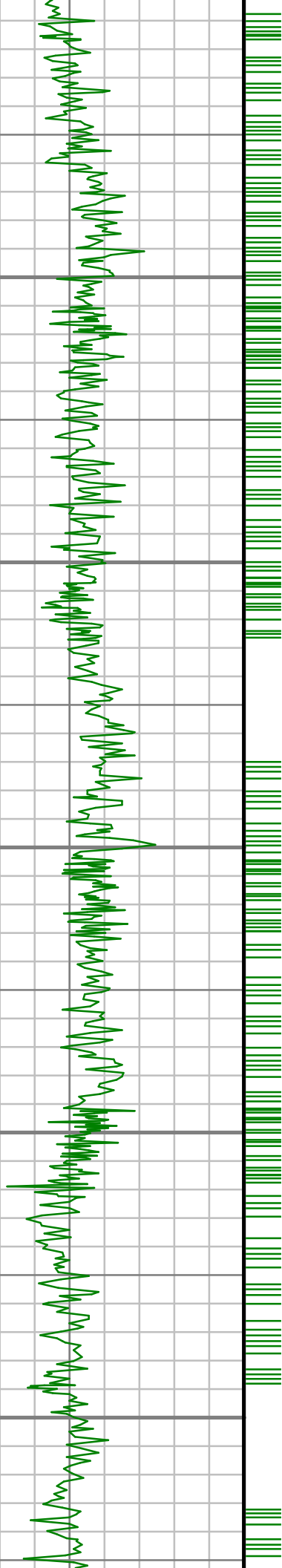
S: 47 MD: 4714.00 ft
Inc: 18.27 deg Az:
236.48 deg TVD:
4614.98 ft

S: 48 MD: 4809.00 ft
Inc: 17.18 deg Az:
235.41 deg TVD:
4705.48 ft

S: 49 MD: 4904.00 ft
Inc: 16.91 deg Az:
241.11 deg TVD:
4796.31 ft

S: 50 MD: 4999.00 ft
Inc: 16.60 deg Az:
240.99 deg TVD:
4887.28 ft

S: 51 MD: 5095.00 ft



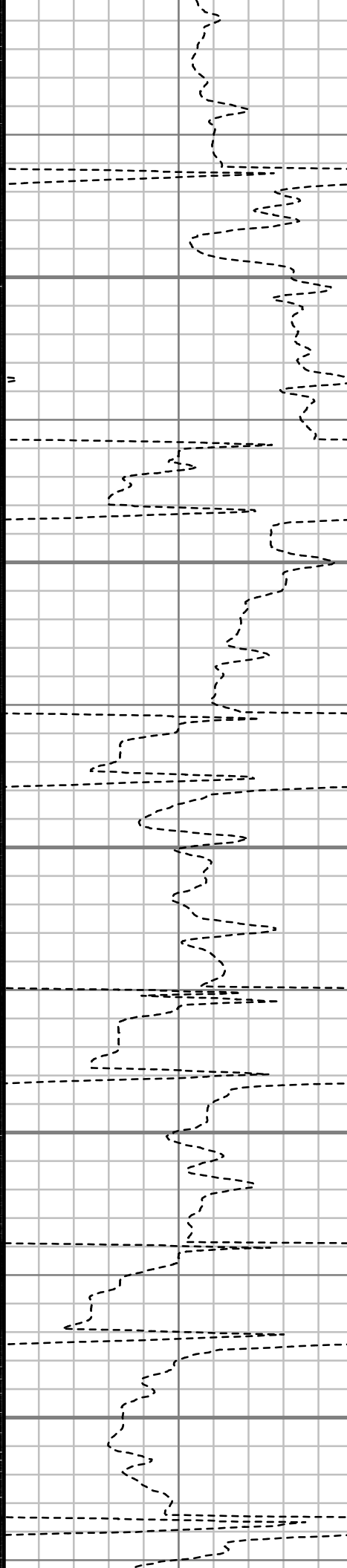
5200

5300

5400

5500

5600



Inc: 16.00 deg Az:
241.38 deg TVD:
4979.42 ft

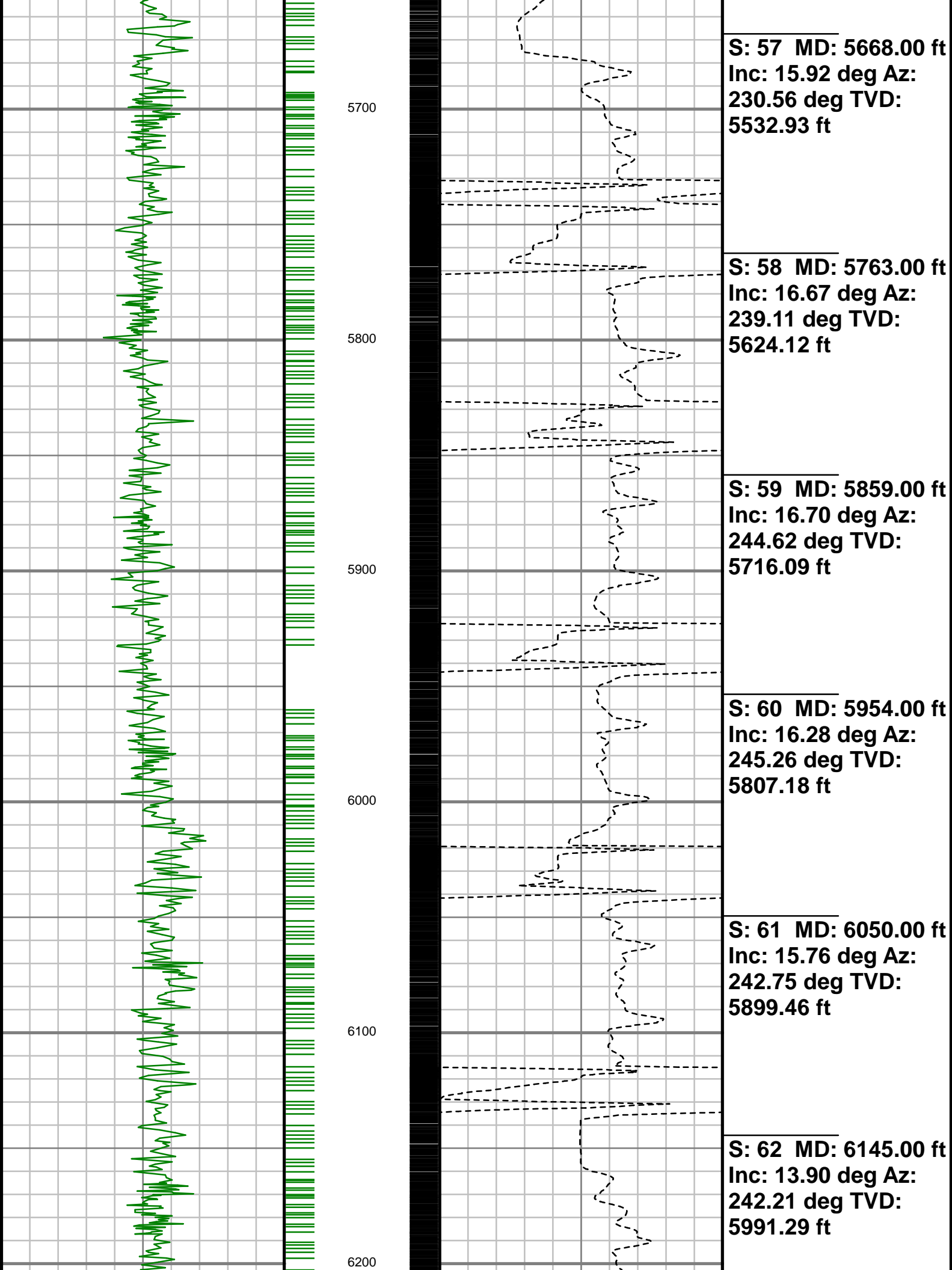
S: 52 MD: 5190.00 ft
Inc: 12.88 deg Az:
236.87 deg TVD:
5071.41 ft

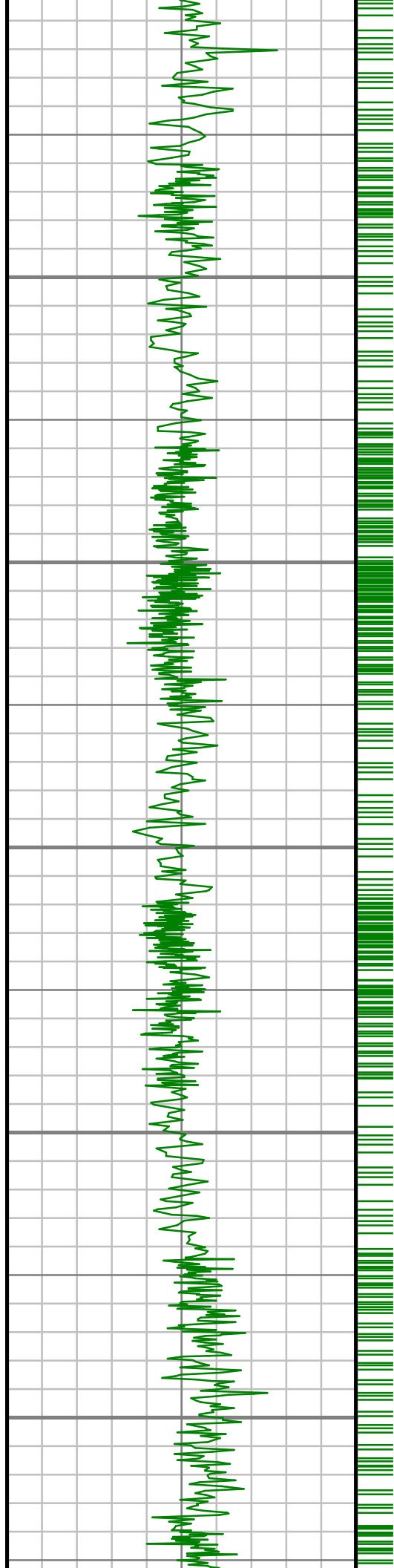
S: 53 MD: 5286.00 ft
Inc: 13.95 deg Az:
228.78 deg TVD:
5164.79 ft

S: 54 MD: 5381.00 ft
Inc: 13.93 deg Az:
232.98 deg TVD:
5257.00 ft

S: 55 MD: 5477.00 ft
Inc: 15.02 deg Az:
236.36 deg TVD:
5349.95 ft

S: 56 MD: 5572.00 ft
Inc: 17.85 deg Az:
236.53 deg TVD:
5441.06 ft





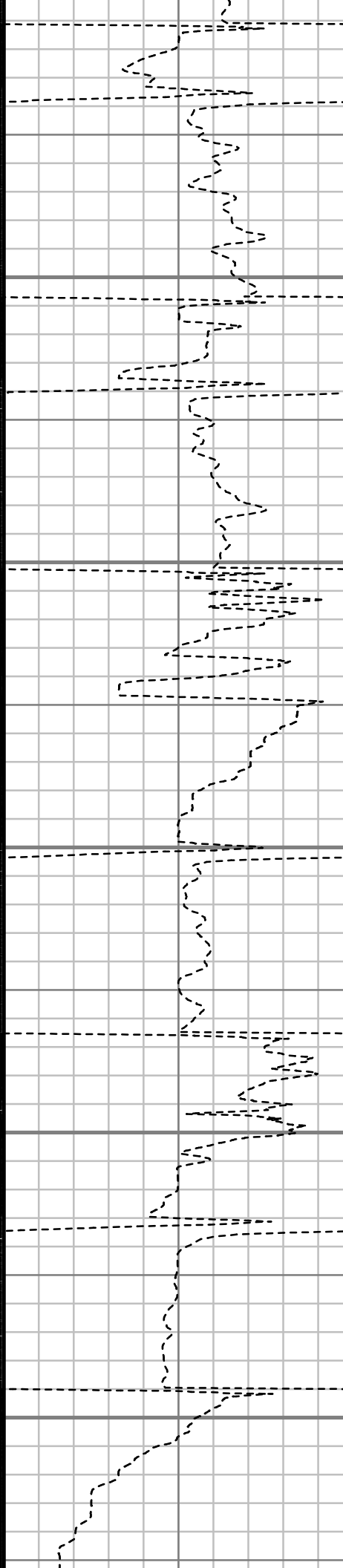
6300

6400

6500

6600

6700



S: 63 MD: 6240.00 ft
Inc: 13.88 deg Az:
244.53 deg TVD:
6083.51 ft

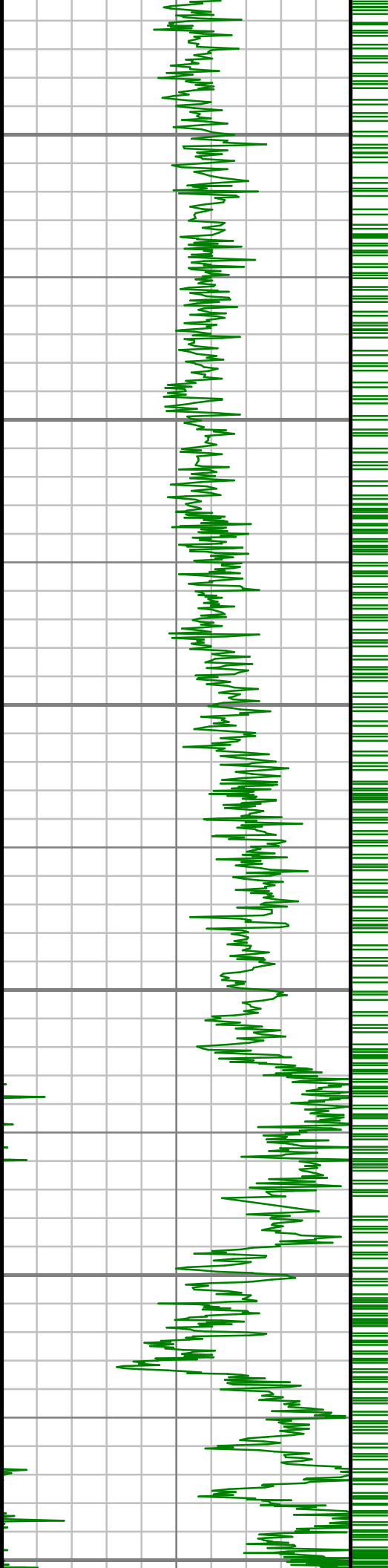
S: 64 MD: 6335.00 ft
Inc: 13.33 deg Az:
236.05 deg TVD:
6175.85 ft

S: 65 MD: 6430.00 ft
Inc: 8.20 deg Az:
245.44 deg TVD:
6269.16 ft

S: 66 MD: 6526.00 ft
Inc: 13.03 deg Az:
258.48 deg TVD:
6363.50 ft

S: 67 MD: 6621.00 ft
Inc: 10.63 deg Az:
254.24 deg TVD:
6456.48 ft

S: 68 MD: 6716.00 ft
Inc: 13.59 deg Az:
243.93 deg TVD:
6549.33 ft



6800

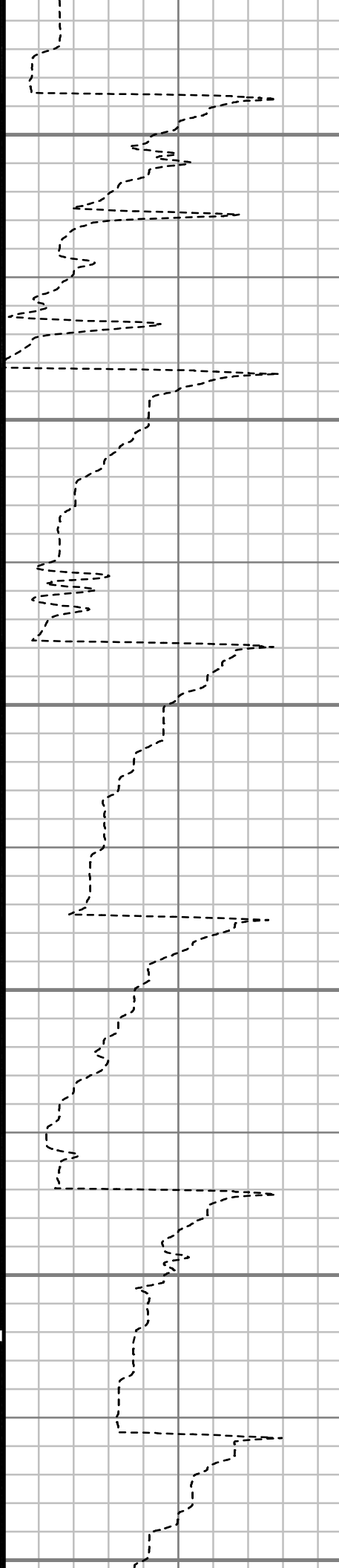
6900

7000

7100

7200

7300



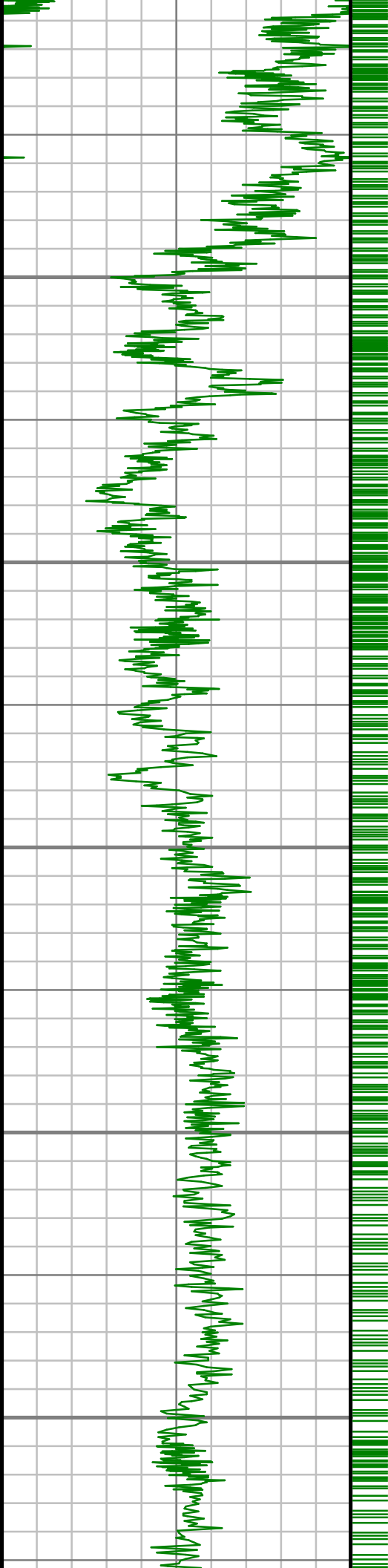
S: 69 MD: 6811.00 ft
Inc: 18.94 deg Az:
245.32 deg TVD:
6640.53 ft

S: 70 MD: 6907.00 ft
Inc: 27.46 deg Az:
248.89 deg TVD:
6728.69 ft

S: 71 MD: 7002.00 ft
Inc: 36.82 deg Az:
247.02 deg TVD:
6809.05 ft

S: 72 MD: 7097.00 ft
Inc: 47.92 deg Az:
250.09 deg TVD:
6879.13 ft

S: 73 MD: 7193.00 ft
Inc: 58.91 deg Az:
256.00 deg TVD:
6936.29 ft



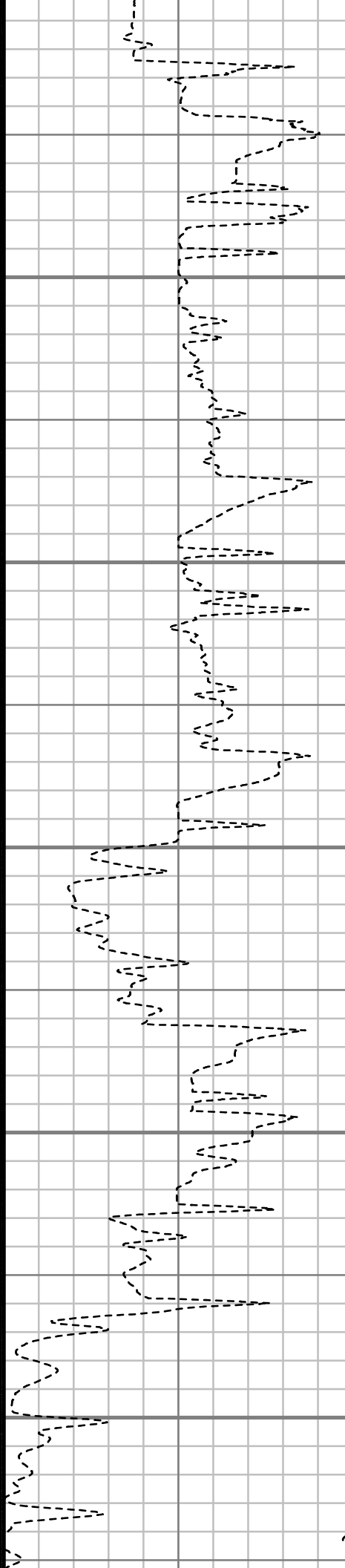
7400

7500

7600

7700

7800



S: 74 MD: 7313.00 ft
Inc: 73.87 deg Az:
266.30 deg TVD:
6984.32 ft

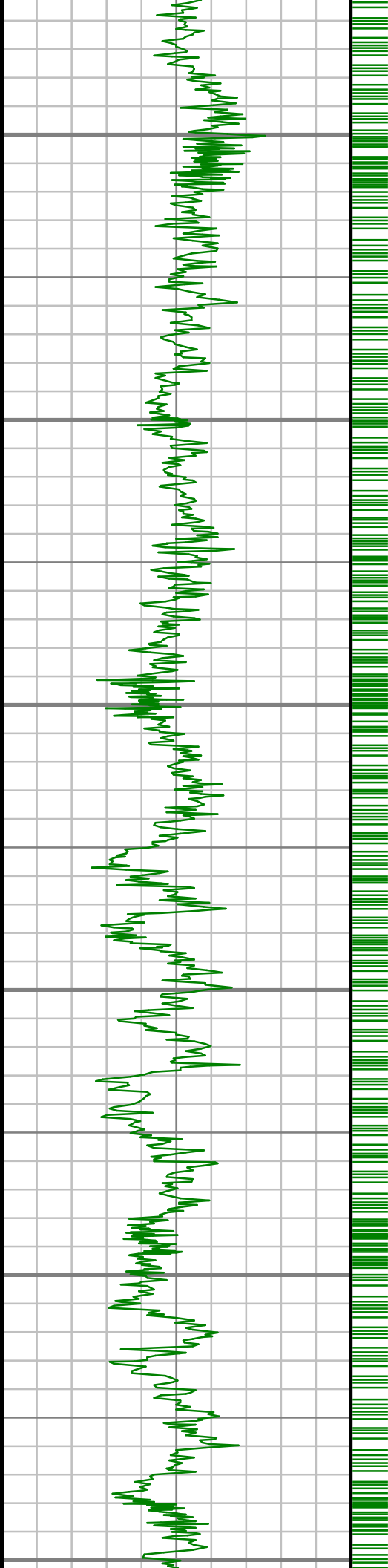
S: 75 MD: 7408.00 ft
Inc: 76.84 deg Az:
267.39 deg TVD:
7008.33 ft

S: 76 MD: 7503.00 ft
Inc: 80.02 deg Az:
268.39 deg TVD:
7027.37 ft

S: 77 MD: 7599.00 ft
Inc: 82.37 deg Az:
269.95 deg TVD:
7042.07 ft

S: 78 MD: 7694.00 ft
Inc: 86.20 deg Az:
273.68 deg TVD:
7051.53 ft

S: 79 MD: 7789.00 ft
Inc: 91.18 deg Az:
274.28 deg TVD:
7053.70 ft



7900

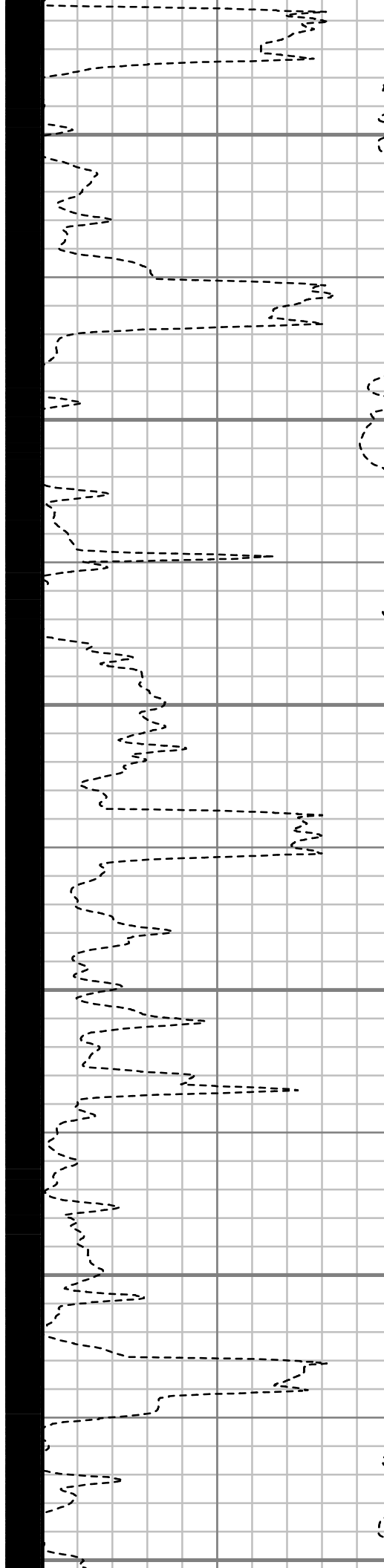
8000

8100

8200

8300

8400



S: 80 MD: 7885.00 ft
Inc: 91.04 deg Az:
273.04 deg TVD:
7051.85 ft

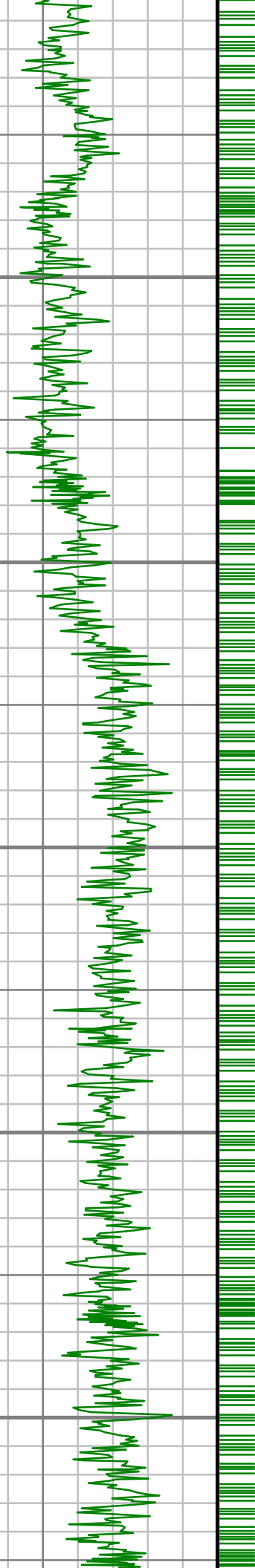
S: 81 MD: 7980.00 ft
Inc: 90.94 deg Az:
270.42 deg TVD:
7050.21 ft

S: 82 MD: 8076.00 ft
Inc: 92.05 deg Az:
269.91 deg TVD:
7047.70 ft

S: 83 MD: 8171.00 ft
Inc: 89.53 deg Az:
268.05 deg TVD:
7046.39 ft

S: 84 MD: 8266.00 ft
Inc: 87.95 deg Az:
268.47 deg TVD:
7048.48 ft

S: 85 MD: 8362.00 ft
Inc: 88.89 deg Az:
269.74 deg TVD:
7051.12 ft



8500

8600

8700

8800

8900

S: 86 MD: 8457.00 ft
Inc: 90.27 deg Az:
270.17 deg TVD:
7051.81 ft

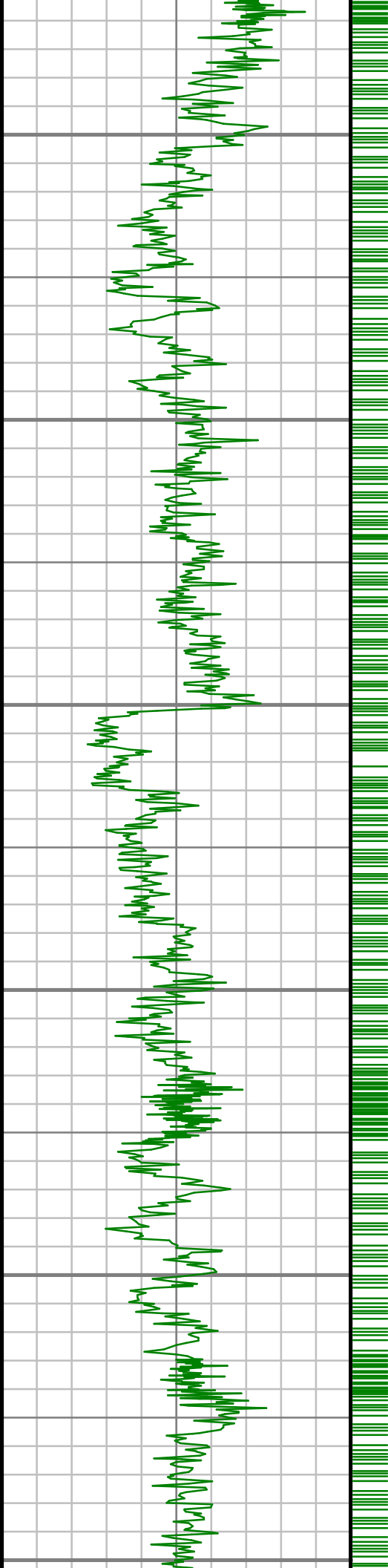
S: 87 MD: 8553.00 ft
Inc: 89.83 deg Az:
270.74 deg TVD:
7051.73 ft

S: 88 MD: 8648.00 ft
Inc: 91.11 deg Az:
271.32 deg TVD:
7050.95 ft

S: 89 MD: 8743.00 ft
Inc: 90.60 deg Az:
271.79 deg TVD:
7049.53 ft

S: 90 MD: 8839.00 ft
Inc: 90.50 deg Az:
273.22 deg TVD:
7048.61 ft

S: 91 MD: 8934.00 ft
Inc: 92.38 deg Az:



9000

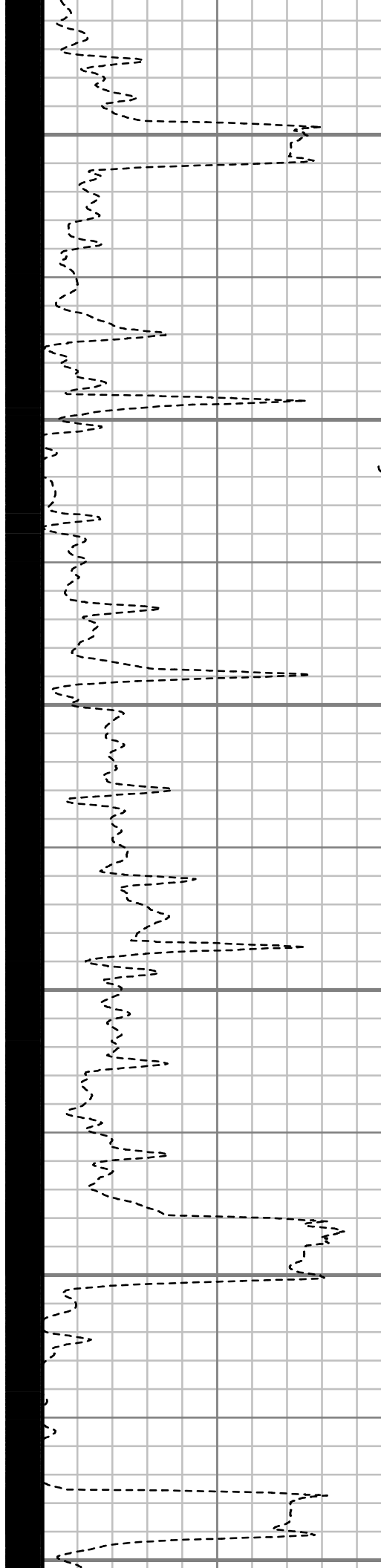
9100

9200

9300

9400

9500



Inc: 92.05 deg Az:
272.05 deg TVD:
7046.21 ft

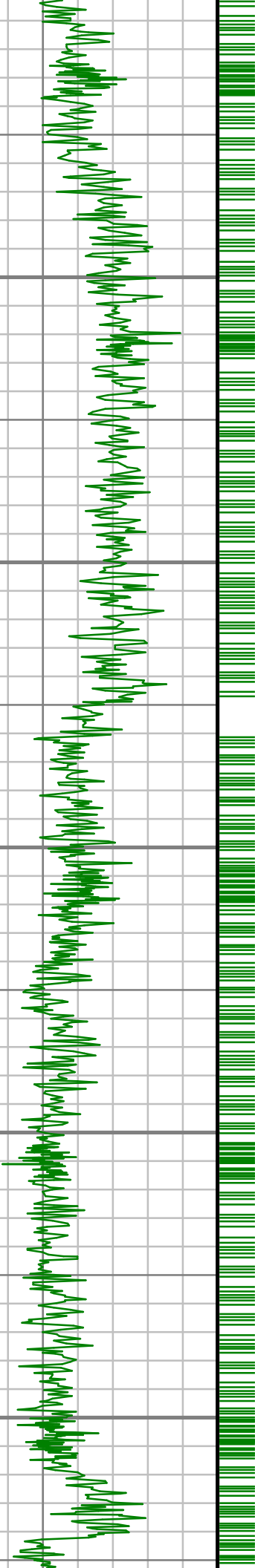
S: 92 MD: 9029.00 ft
Inc: 91.61 deg Az:
270.37 deg TVD:
7042.90 ft

S: 93 MD: 9125.00 ft
Inc: 90.17 deg Az:
270.69 deg TVD:
7041.41 ft

S: 94 MD: 9220.00 ft
Inc: 89.33 deg Az:
271.24 deg TVD:
7041.83 ft

S: 95 MD: 9315.00 ft
Inc: 88.96 deg Az:
271.78 deg TVD:
7043.25 ft

S: 96 MD: 9411.00 ft
Inc: 88.63 deg Az:
270.45 deg TVD:
7045.27 ft



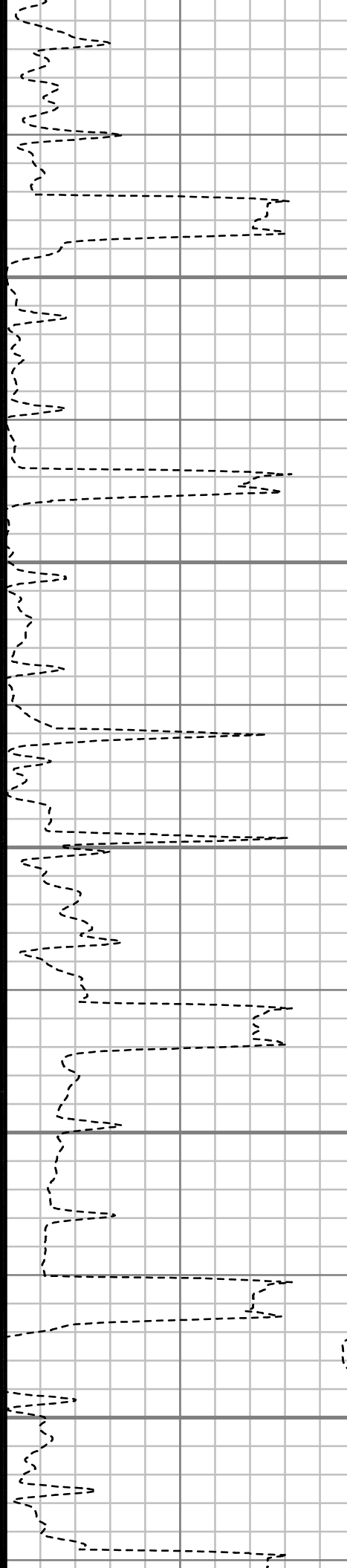
9600

9700

9800

9900

10000



S: 97 MD: 9506.00 ft
Inc: 89.50 deg Az:
268.99 deg TVD:
7046.83 ft

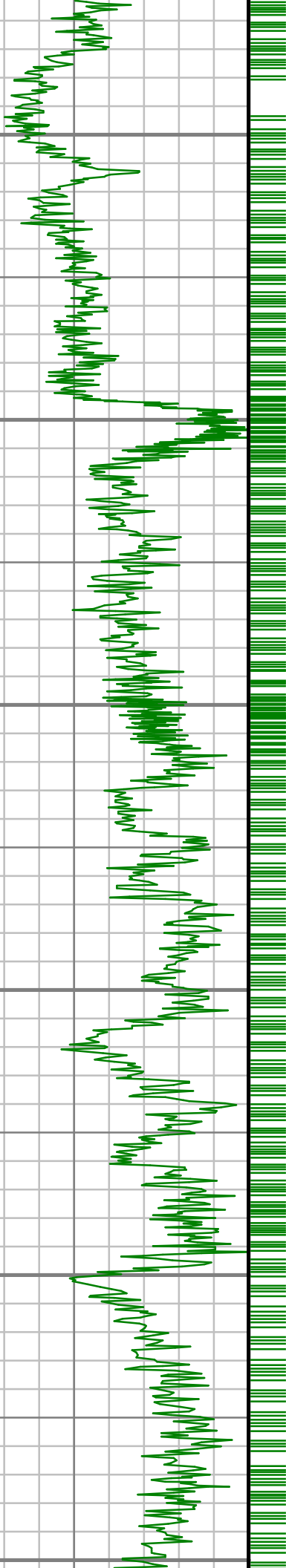
S: 98 MD: 9602.00 ft
Inc: 90.91 deg Az:
267.32 deg TVD:
7046.49 ft

S: 99 MD: 9697.00 ft
Inc: 92.58 deg Az:
268.50 deg TVD:
7043.59 ft

S: 100 MD: 9793.00
ft Inc: 93.22 deg Az:
268.35 deg TVD:
7038.74 ft

S: 101 MD: 9888.00
ft Inc: 92.28 deg Az:
268.29 deg TVD:
7034.18 ft

S: 102 MD: 9983.00
ft Inc: 91.54 deg Az:
267.55 deg TVD:
7031.01 ft



10100

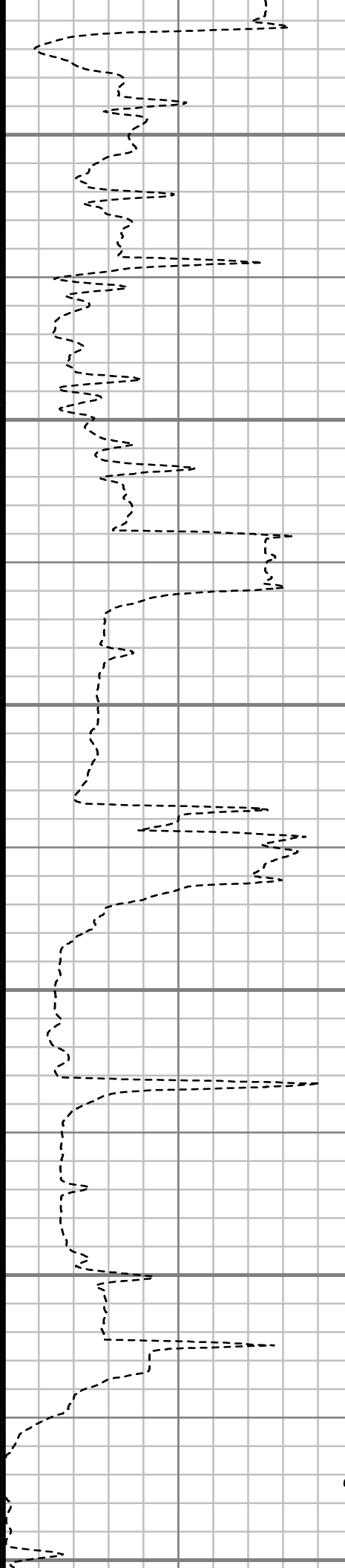
10200

10300

10400

10500

10600



S: 103 MD:
10079.00 ft Inc:
91.01 deg Az: 268.71
deg TVD: 7028.88 ft

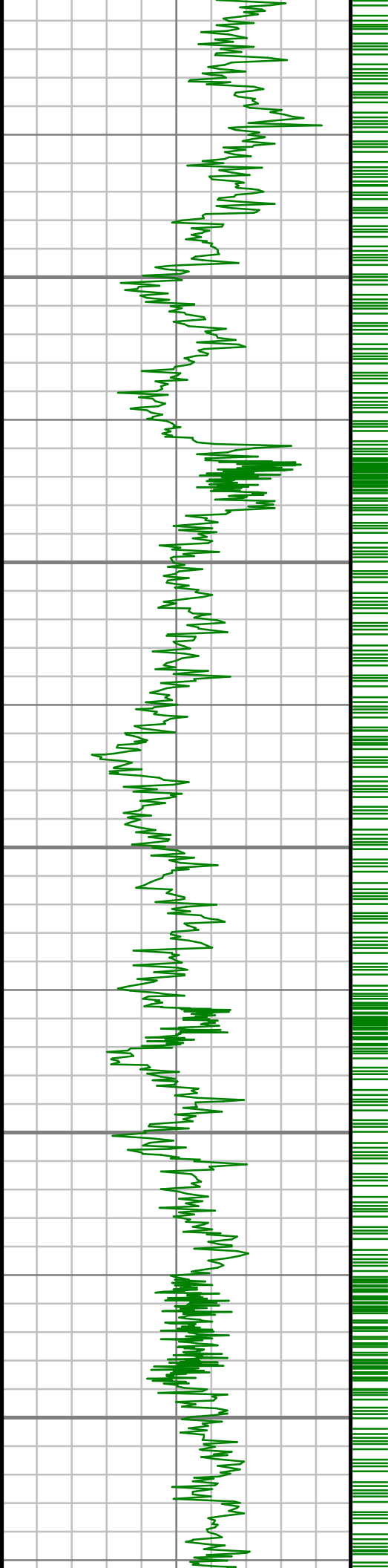
S: 104 MD:
10175.00 ft Inc:
93.32 deg Az: 268.11
deg TVD: 7025.25 ft

S: 105 MD:
10270.00 ft Inc:
91.71 deg Az: 269.93
deg TVD: 7021.08 ft

S: 106 MD:
10365.00 ft Inc:
89.46 deg Az: 270.47
deg TVD: 7020.10 ft

S: 107 MD:
10461.00 ft Inc:
89.83 deg Az: 270.96
deg TVD: 7020.69 ft

S: 108 MD:
10556.00 ft Inc:
90.07 deg Az: 271.77
deg TVD: 7020.78 ft



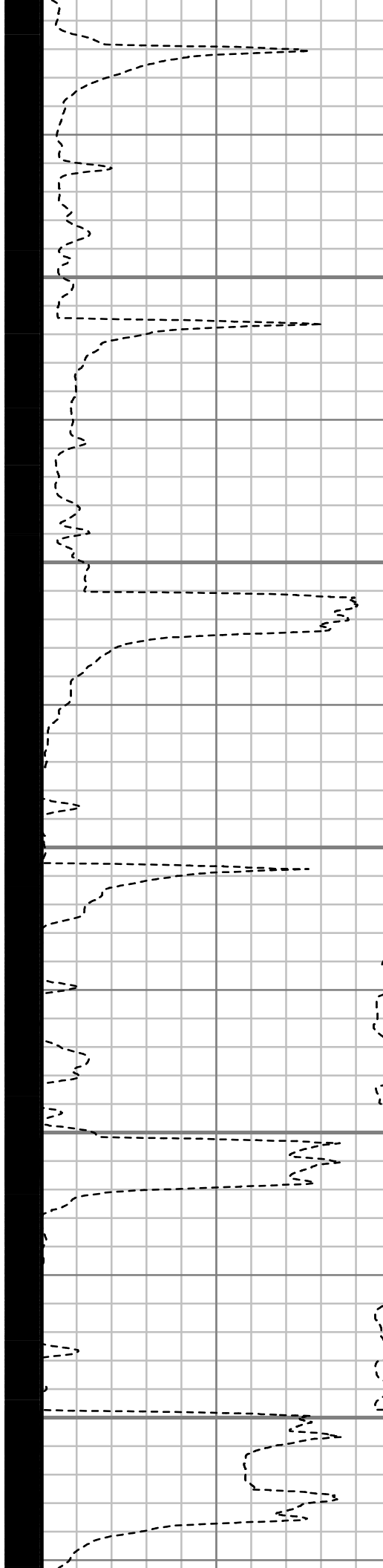
10700

10800

10900

11000

11100



S: 109 MD:
10651.00 ft Inc:
90.10 deg Az: 271.98
deg TVD: 7020.64 ft

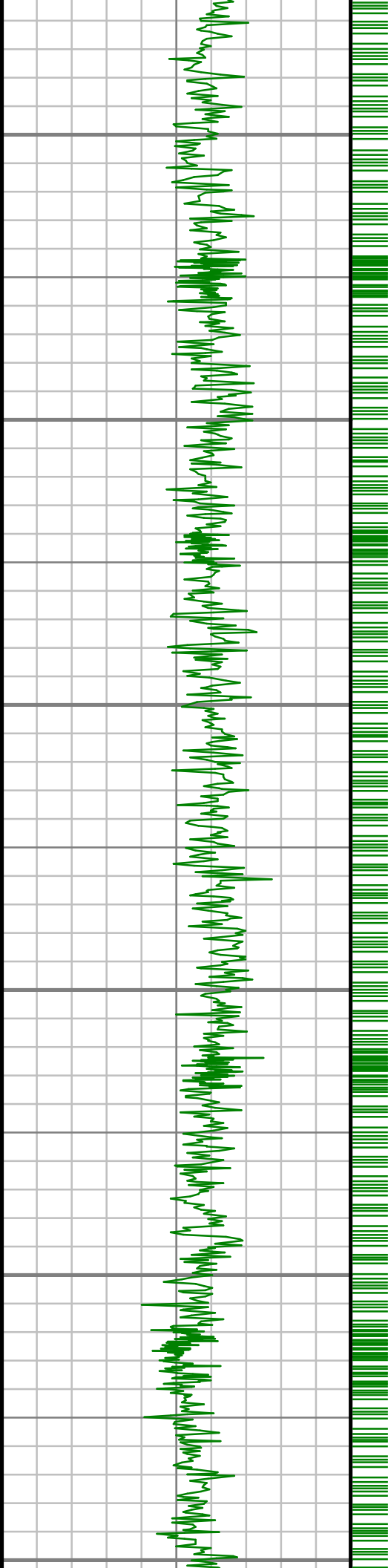
S: 110 MD:
10747.00 ft Inc:
89.16 deg Az: 272.85
deg TVD: 7021.26 ft

S: 111 MD: 10842.00
ft Inc: 88.89 deg Az:
271.69 deg TVD:
7022.87 ft

S: 112 MD:
10938.00 ft Inc:
87.68 deg Az: 271.72
deg TVD: 7025.74 ft

S: 113 MD: 11033.00
ft Inc: 87.85 deg Az:
271.01 deg TVD:
7029.44 ft

S: 114 MD: 11128.00
ft Inc: 91.98 deg Az:



11200

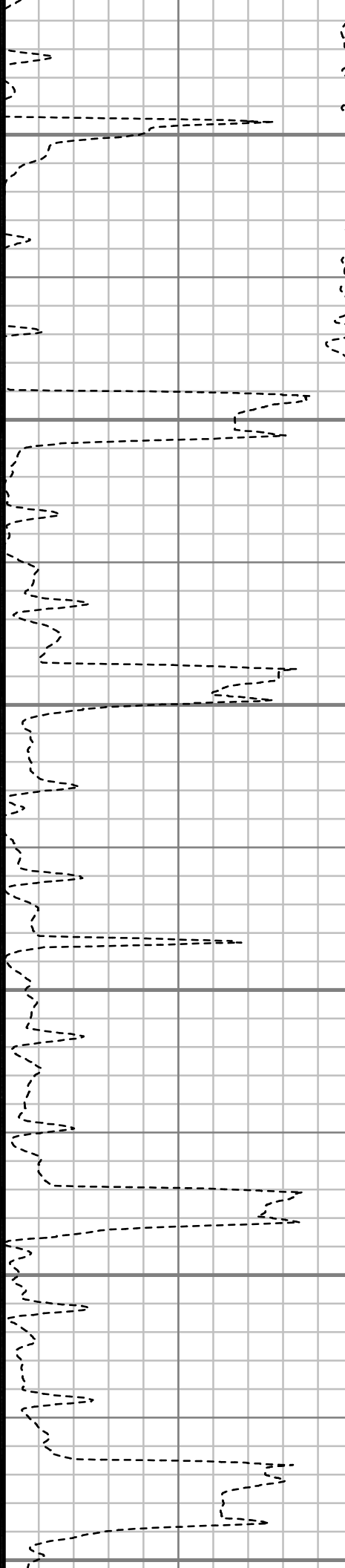
11300

11400

11500

11600

11700



S: 115 MD: 11224.00
ft Inc: 91.74 deg Az:
270.52 deg TVD:
7026.46 ft

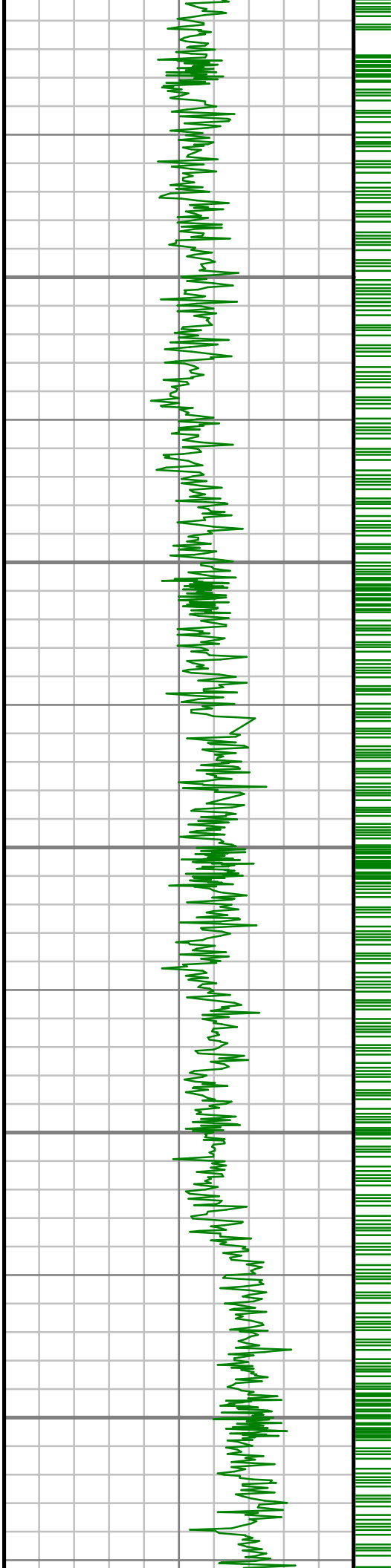
S: 116 MD: 11319.00
ft Inc: 93.79 deg Az:
269.40 deg TVD:
7021.87 ft

S: 117 MD: 11415.00
ft Inc: 92.86 deg Az:
269.16 deg TVD:
7016.30 ft

S: 118 MD: 11510.00
ft Inc: 92.48 deg Az:
269.17 deg TVD:
7011.88 ft

S: 119 MD: 11605.00
ft Inc: 94.64 deg Az:
268.34 deg TVD:
7005.98 ft

S: 120 MD:



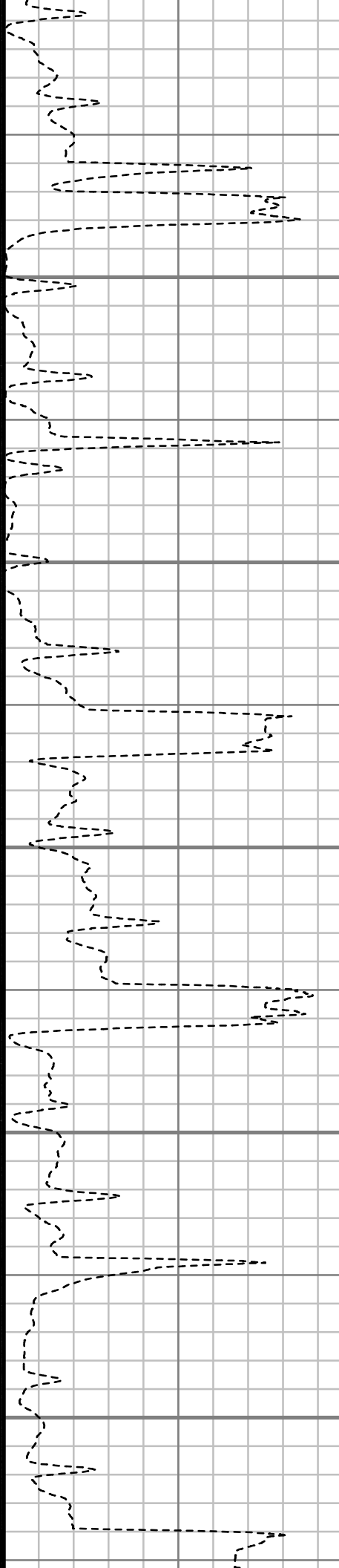
11800

11900

12000

12100

12200



S: 120 MD:
11700.00 ft Inc:
91.68 deg Az: 269.13
deg TVD: 7000.75 ft

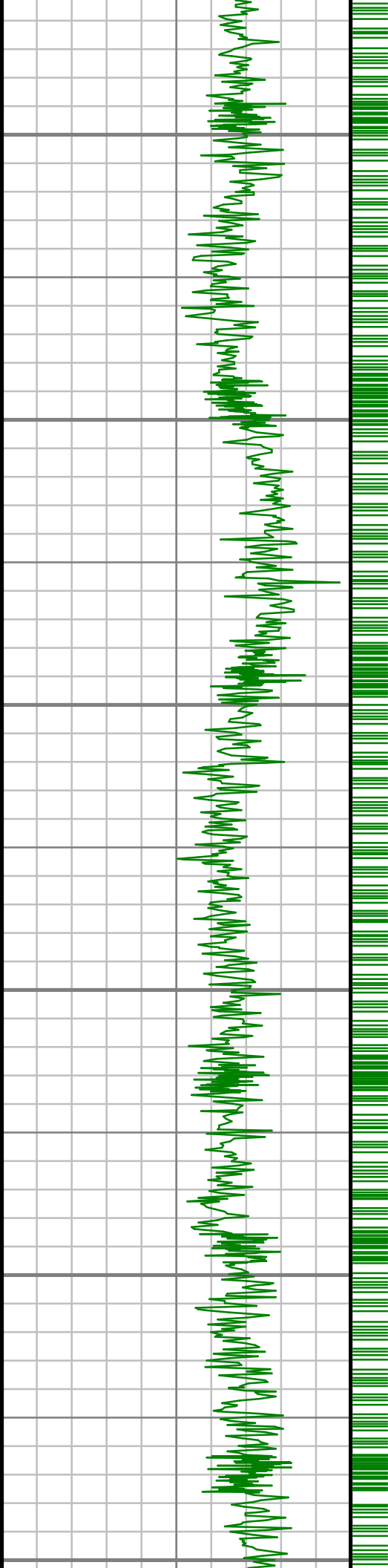
S: 121 MD:
11795.00 ft Inc:
92.59 deg Az: 269.52
deg TVD: 6997.21 ft

S: 122 MD:
11891.00 ft Inc:
91.95 deg Az: 269.86
deg TVD: 6993.41 ft

S: 123 MD:
11986.00 ft Inc:
93.76 deg Az: 271.62
deg TVD: 6988.69 ft

S: 124 MD:
12081.00 ft Inc:
91.58 deg Az: 270.11
deg TVD: 6984.26 ft

S: 125 MD:
12176.00 ft Inc:
91.58 deg Az: 270.12
deg TVD: 6981.64 ft



12300

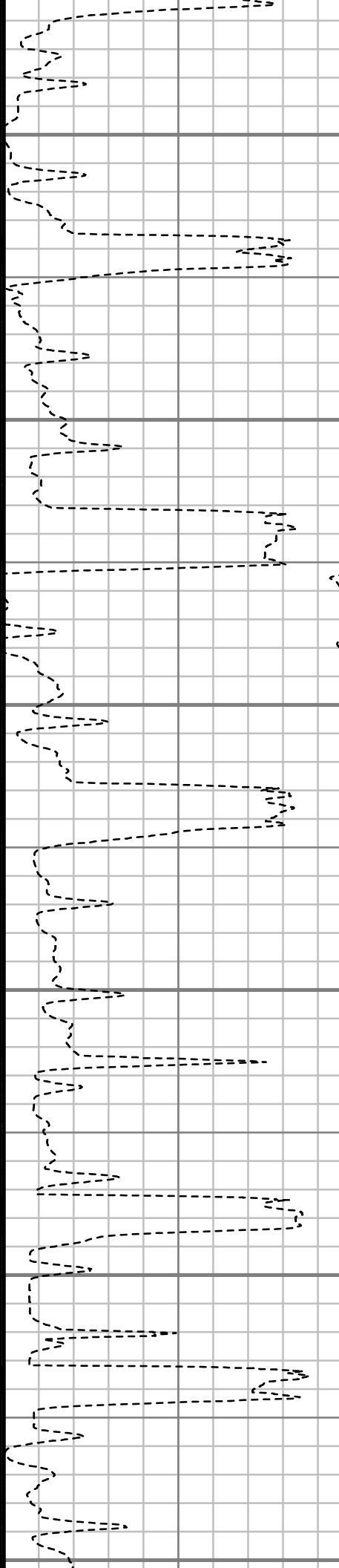
12400

12500

12600

12700

12800



S: 126 MD:
12272.00 ft Inc:
92.72 deg Az: 270.30
deg TVD: 6978.04 ft

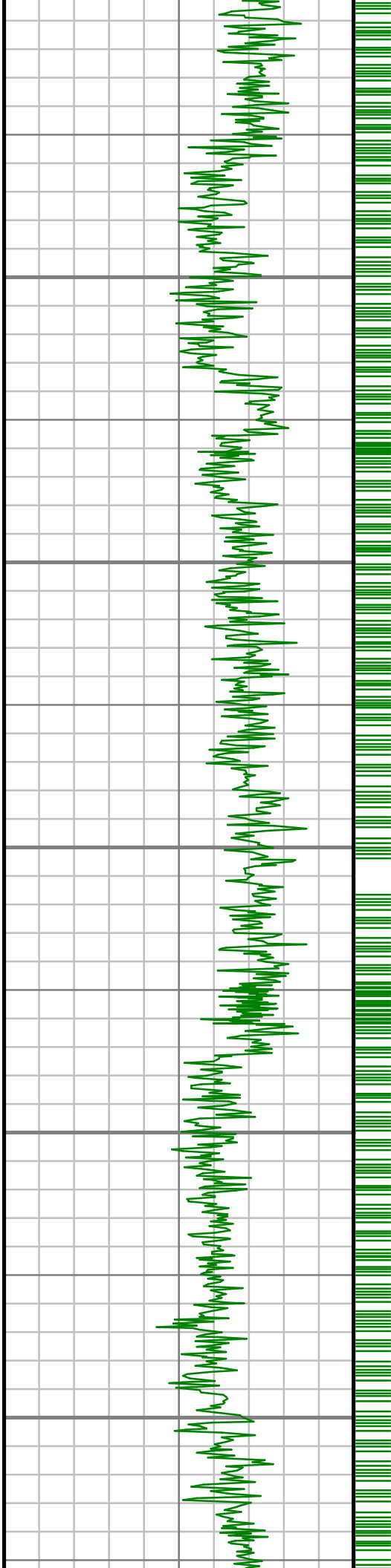
S: 127 MD:
12367.00 ft Inc:
92.96 deg Az: 270.07
deg TVD: 6973.34 ft

S: 128 MD:
12462.00 ft Inc:
94.26 deg Az: 271.69
deg TVD: 6967.36 ft

S: 129 MD:
12557.00 ft Inc:
93.40 deg Az: 269.23
deg TVD: 6961.01 ft

S: 130 MD:
12652.00 ft Inc:
92.15 deg Az: 271.21
deg TVD: 6956.42 ft

S: 131 MD:
12747.00 ft Inc:
94.91 deg Az: 270.27
deg TVD: 6950.57 ft



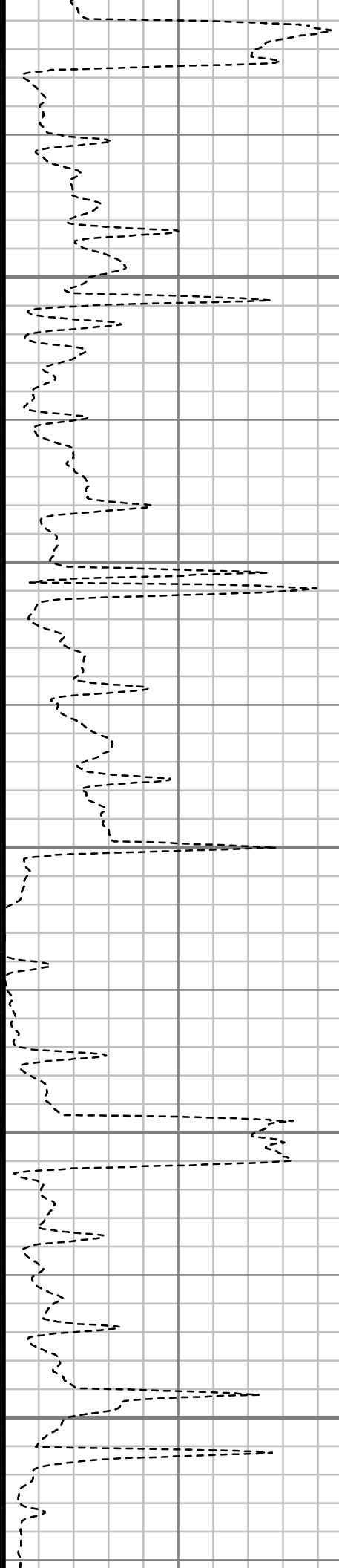
12900

13000

13100

13200

13300



S: 132 MD:
12843.00 ft Inc:
93.60 deg Az: 268.70
deg TVD: 6943.45 ft

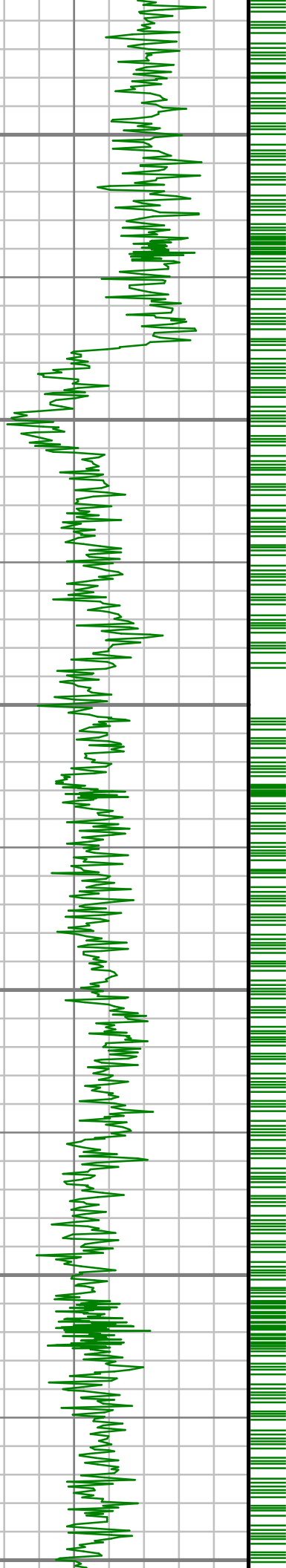
S: 133 MD:
12938.00 ft Inc:
94.40 deg Az: 269.00
deg TVD: 6936.82 ft

S: 134 MD:
13033.00 ft Inc:
94.85 deg Az: 268.88
deg TVD: 6929.16 ft

S: 135 MD:
13128.00 ft Inc:
94.84 deg Az: 269.22
deg TVD: 6921.14 ft

S: 136 MD:
13223.00 ft Inc:
92.72 deg Az: 267.44
deg TVD: 6914.87 ft

S: 137 MD:
13318.00 ft Inc:
92.21 deg Az: 267.10



13400

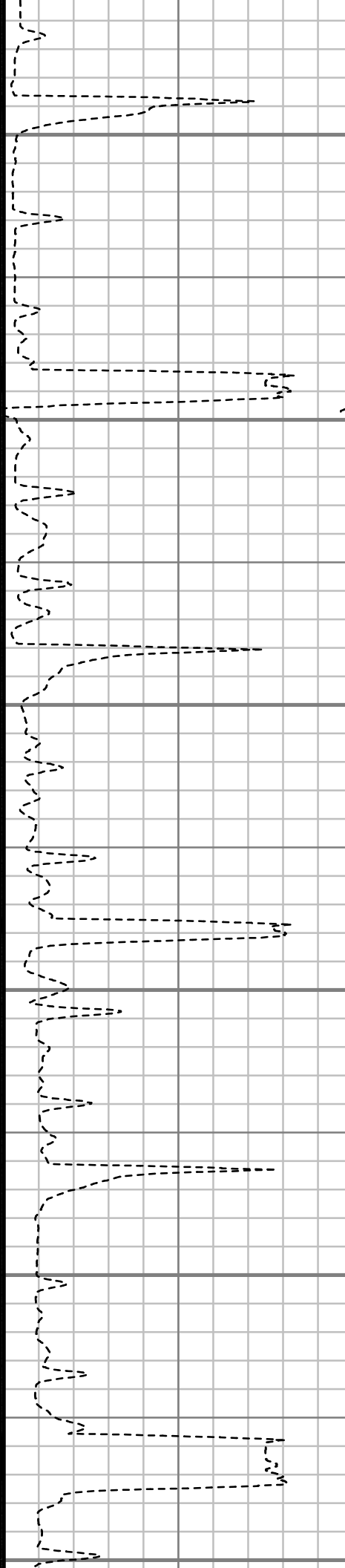
13500

13600

13700

13800

13900



S: 138 MD:
13413.00 ft Inc:
92.42 deg Az: 267.15
deg TVD: 6906.95 ft

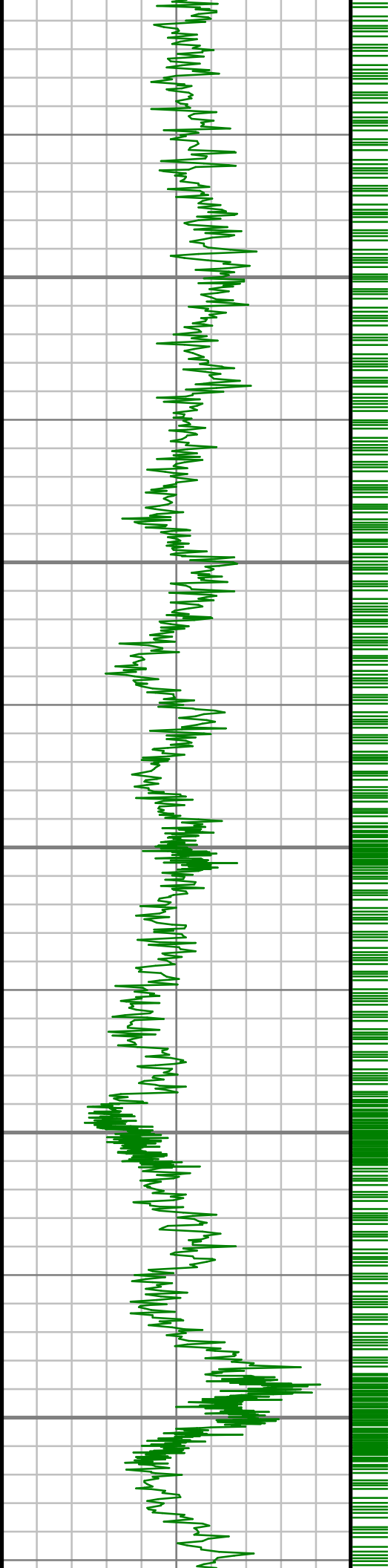
S: 139 MD:
13508.00 ft Inc:
92.65 deg Az: 268.20
deg TVD: 6902.75 ft

S: 140 MD:
13604.00 ft Inc:
92.08 deg Az: 269.22
deg TVD: 6898.79 ft

S: 141 MD:
13698.00 ft Inc:
93.50 deg Az: 269.01
deg TVD: 6894.22 ft

S: 142 MD:
13794.00 ft Inc:
93.19 deg Az: 269.81
deg TVD: 6888.63 ft

S: 143 MD:
13889.00 ft Inc:
92.82 deg Az: 269.15
deg TVD: 6883.15 ft



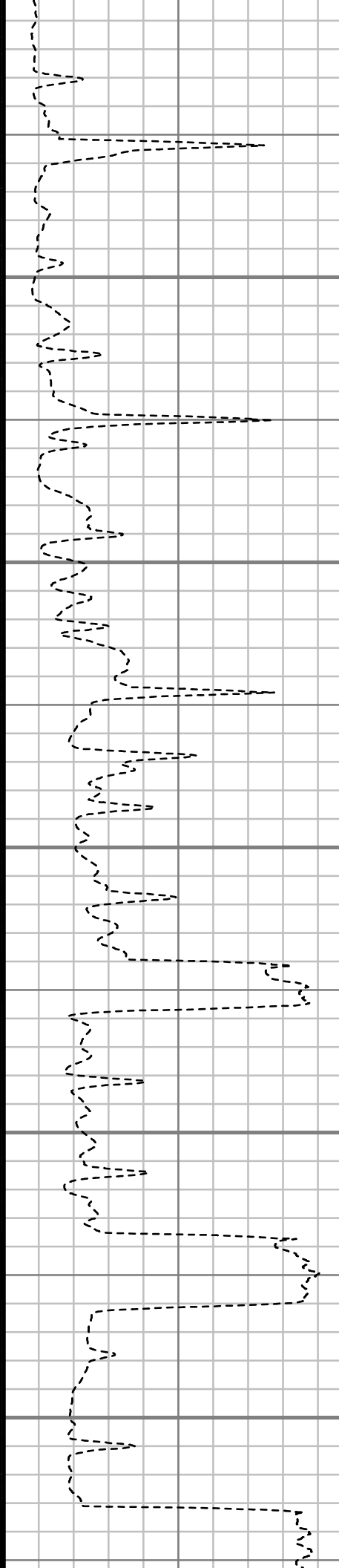
14000

14100

14200

14300

14400



13889.00 ft Inc:
94.71 deg Az: 269.98
deg TVD: 6882.09 ft

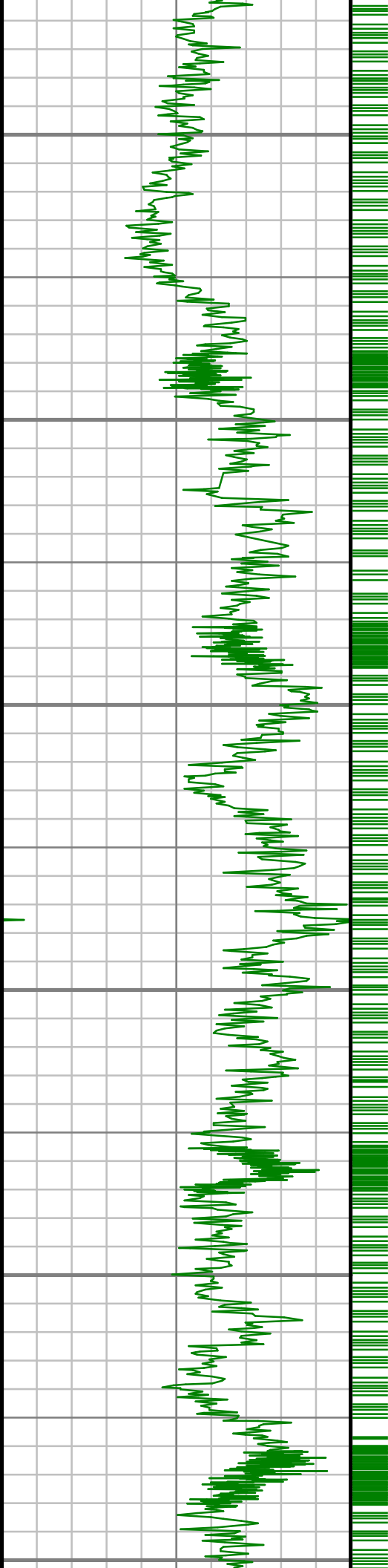
S: 144 MD:
13984.00 ft Inc:
94.64 deg Az: 270.01
deg TVD: 6874.35 ft

S: 145 MD:
14079.00 ft Inc:
94.87 deg Az: 270.09
deg TVD: 6866.47 ft

S: 146 MD:
14174.00 ft Inc:
95.44 deg Az: 269.98
deg TVD: 6857.94 ft

S: 147 MD:
14269.00 ft Inc:
95.14 deg Az: 270.85
deg TVD: 6849.18 ft

S: 148 MD:
14364.00 ft Inc:
94.00 deg Az: 272.35
deg TVD: 6841.61 ft



14500

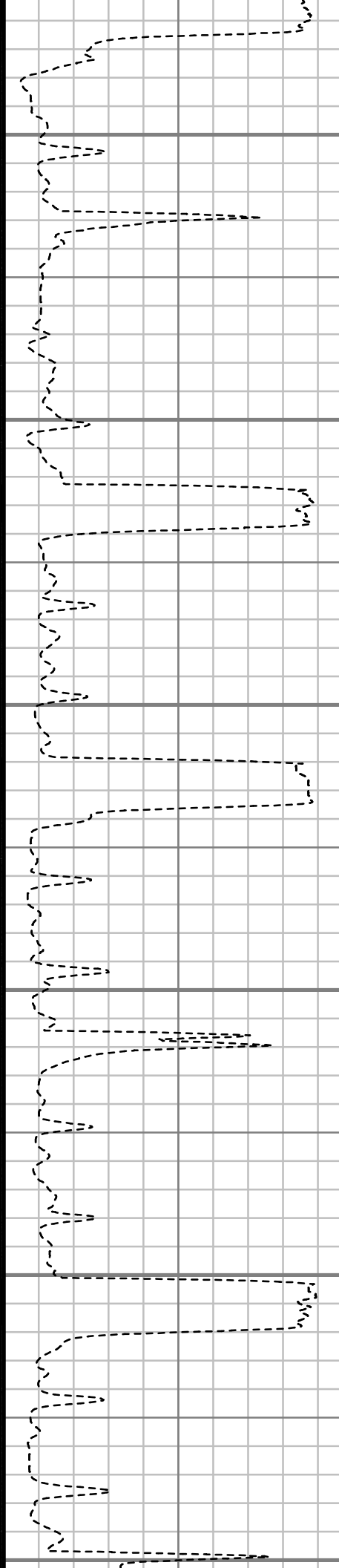
14600

14700

14800

14900

15000



S: 149 MD:
14459.00 ft Inc:
90.94 deg Az: 271.68
deg TVD: 6837.52 ft

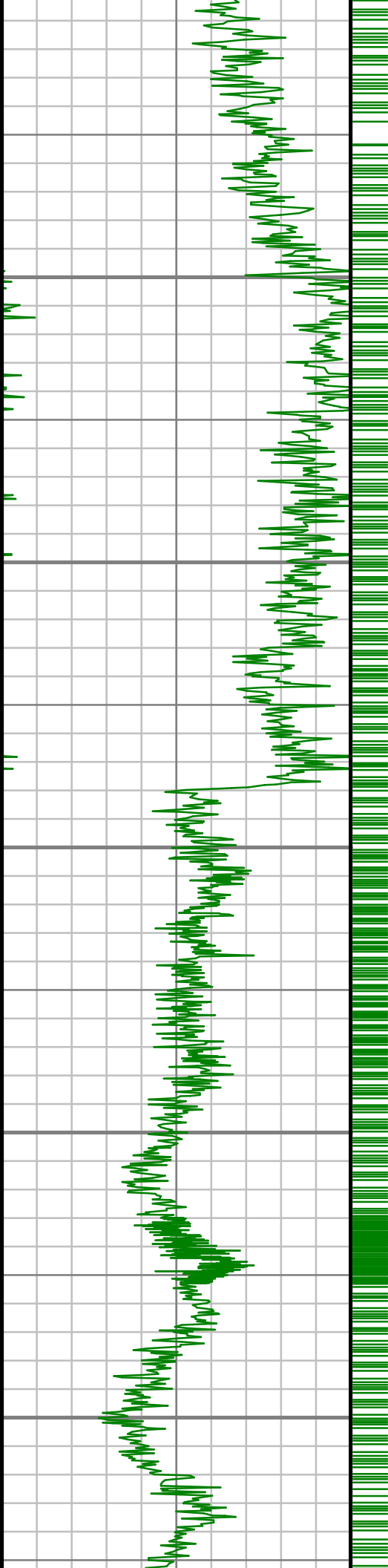
S: 150 MD:
14554.00 ft Inc:
91.38 deg Az: 271.79
deg TVD: 6835.60 ft

S: 151 MD:
14649.00 ft Inc:
90.97 deg Az: 271.14
deg TVD: 6833.65 ft

S: 152 MD:
14744.00 ft Inc:
90.57 deg Az: 270.50
deg TVD: 6832.37 ft

S: 153 MD:
14839.00 ft Inc:
91.58 deg Az: 270.25
deg TVD: 6830.59 ft

S: 154 MD:
14935.00 ft Inc:
92.18 deg Az: 271.29
deg TVD: 6827.44 ft



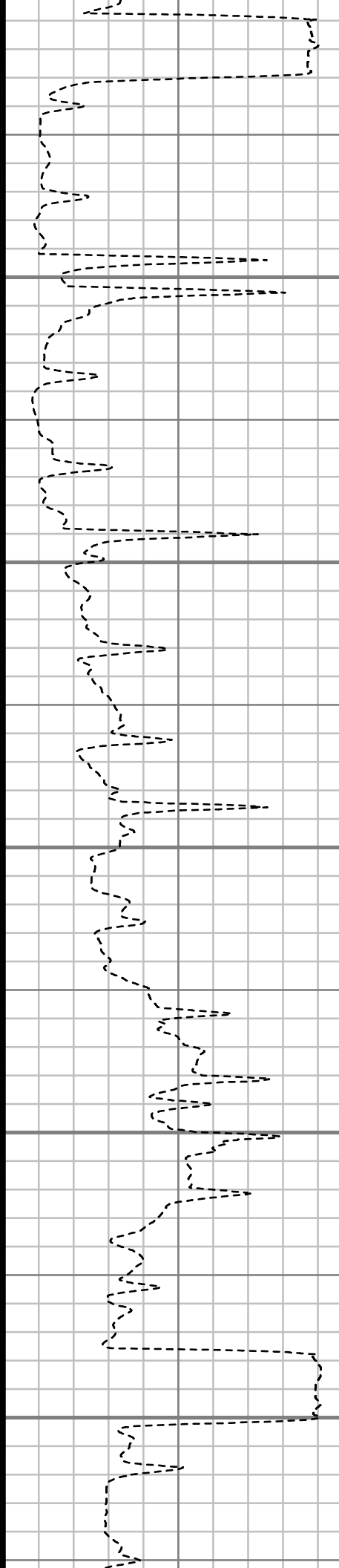
15100

15200

15300

15400

15500



S: 155 MD:
15030.00 ft Inc:
89.90 deg Az: 270.15
deg TVD: 6825.72 ft

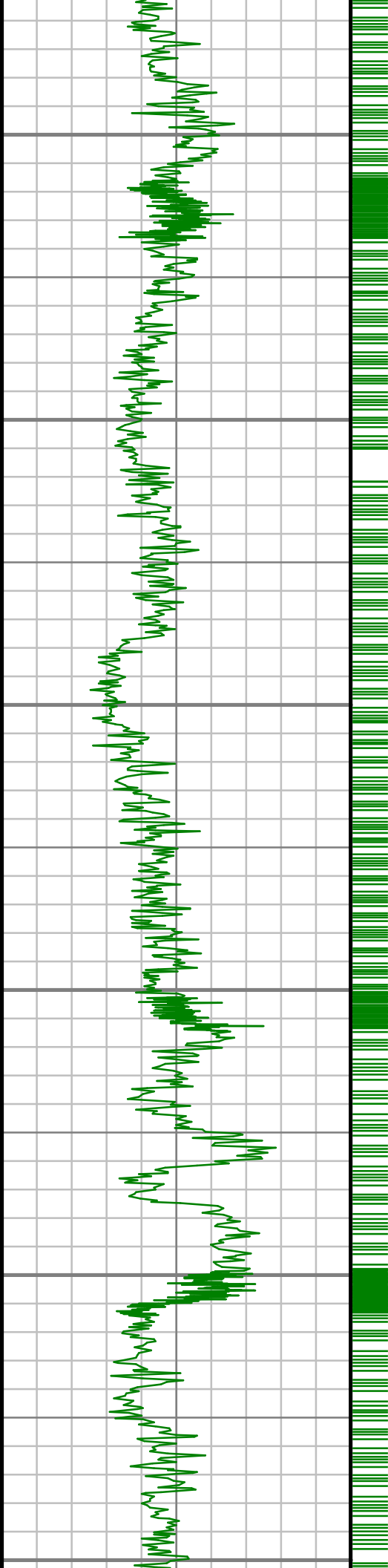
S: 156 MD:
15125.00 ft Inc:
90.47 deg Az: 270.79
deg TVD: 6825.41 ft

S: 157 MD:
15221.00 ft Inc:
91.01 deg Az: 270.75
deg TVD: 6824.18 ft

S: 158 MD:
15316.00 ft Inc:
91.75 deg Az: 271.03
deg TVD: 6821.90 ft

S: 159 MD:
15412.00 ft Inc:
92.65 deg Az: 270.90
deg TVD: 6818.21 ft

S: 160 MD:
15507.00 ft Inc:
90.67 deg Az: 270.41
deg TVD: 6815.46 ft



15600

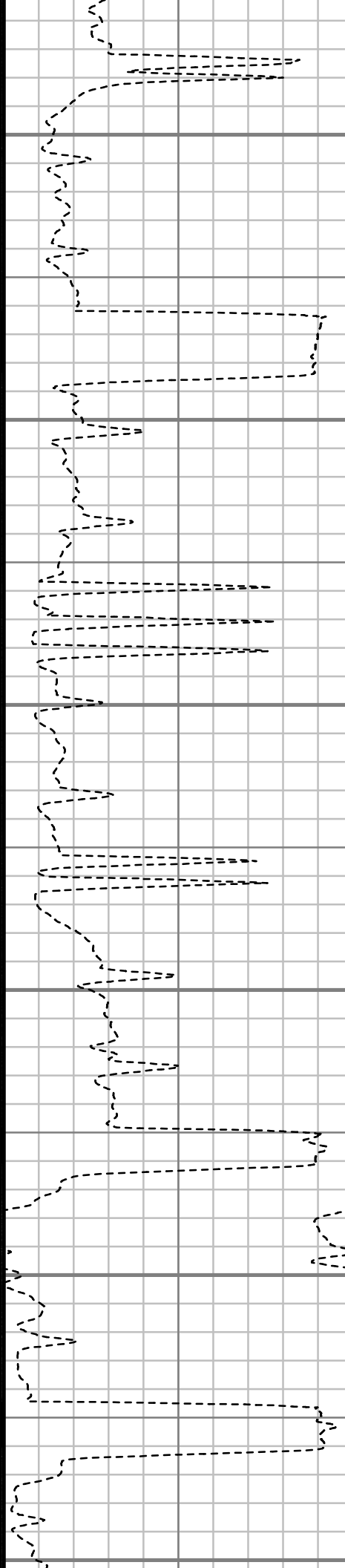
15700

15800

15900

16000

16100



S: 161 MD:
15602.00 ft Inc:
91.54 deg Az: 270.59
deg TVD: 6813.62 ft

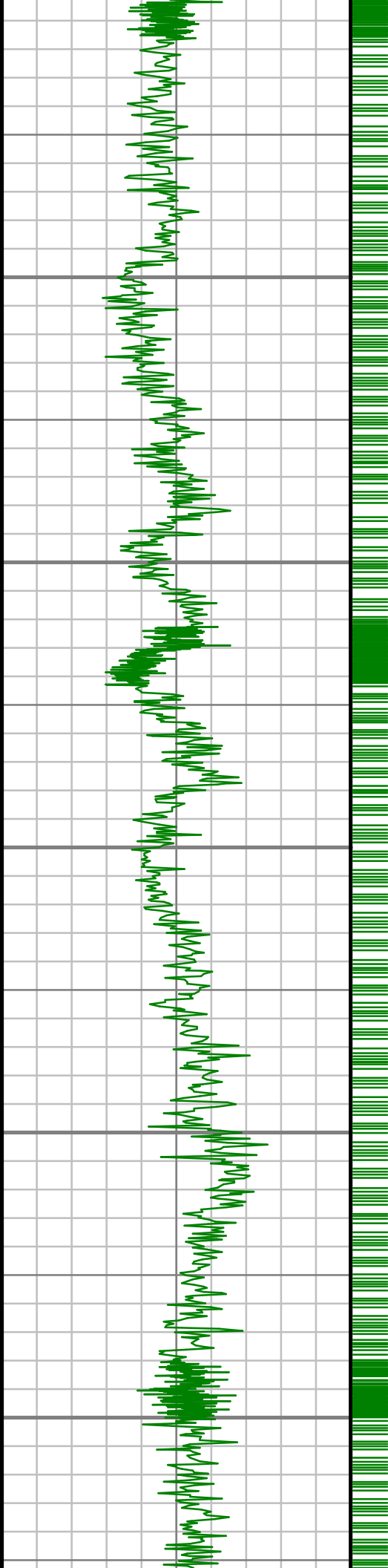
S: 162 MD:
15698.00 ft Inc:
89.23 deg Az: 270.76
deg TVD: 6812.98 ft

S: 163 MD:
15793.00 ft Inc:
90.20 deg Az: 271.80
deg TVD: 6813.45 ft

S: 164 MD:
15889.00 ft Inc:
91.01 deg Az: 272.85
deg TVD: 6812.44 ft

S: 165 MD:
15984.00 ft Inc:
91.41 deg Az: 272.09
deg TVD: 6810.44 ft

S: 166 MD:
16079.00 ft Inc:



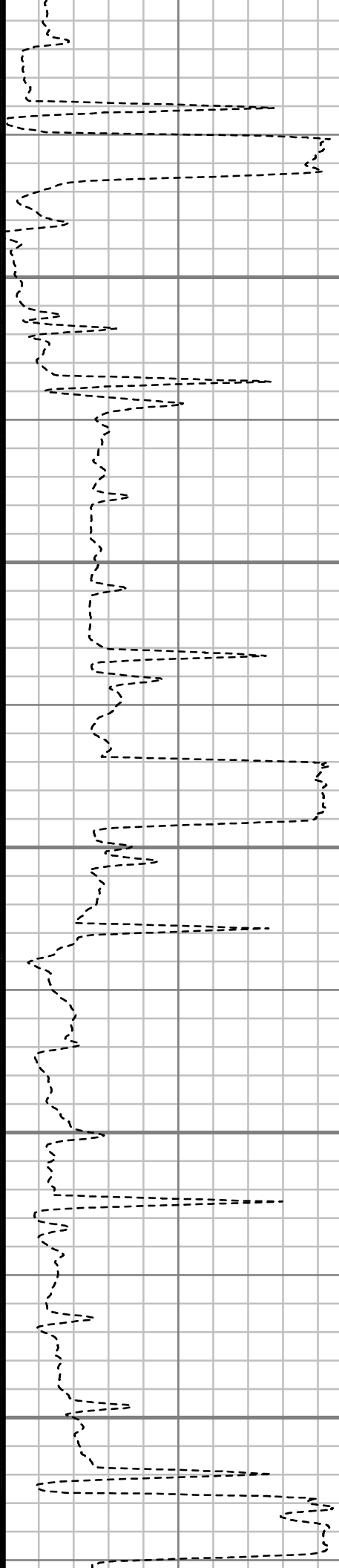
16200

16300

16400

16500

16600



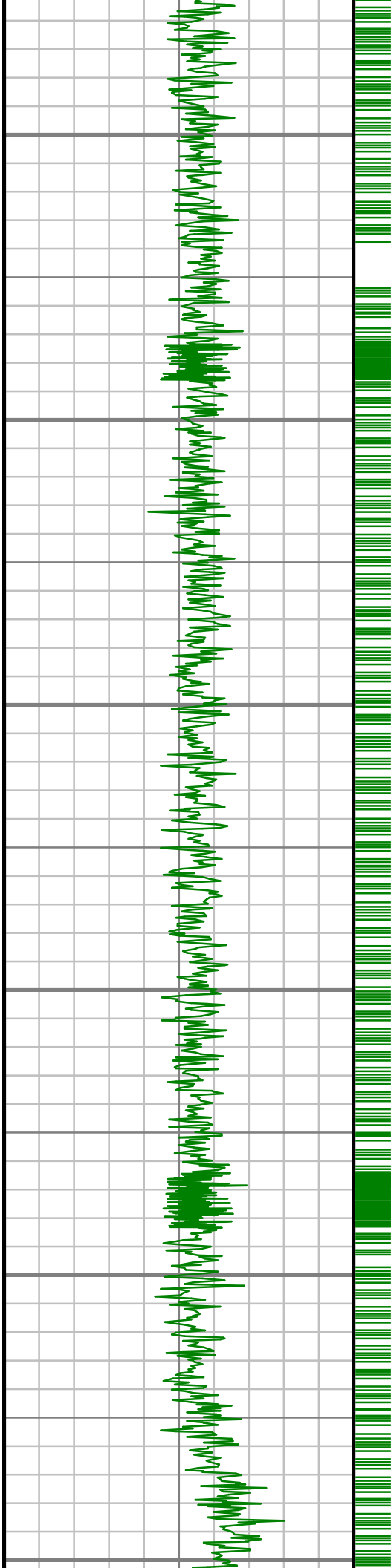
S: 167 MD:
16175.00 ft Inc:
88.49 deg Az: 267.62
deg TVD: 6808.64 ft

S: 168 MD:
16270.00 ft Inc:
87.95 deg Az: 268.71
deg TVD: 6811.59 ft

S: 169 MD:
16365.00 ft Inc:
87.49 deg Az: 269.23
deg TVD: 6815.36 ft

S: 170 MD:
16460.00 ft Inc:
89.09 deg Az: 268.18
deg TVD: 6818.20 ft

S: 171 MD:
16556.00 ft Inc:
88.83 deg Az: 268.06
deg TVD: 6819.94 ft



16700

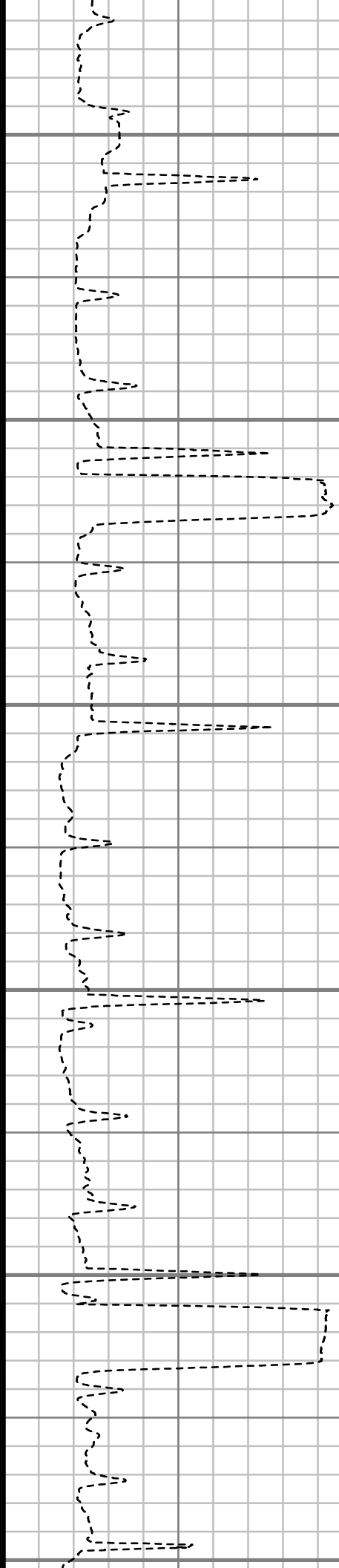
16800

16900

17000

17100

17200



S: 172 MD:
16651.00 ft Inc:
90.67 deg Az: 268.92
deg TVD: 6820.36 ft

S: 173 MD:
16745.00 ft Inc:
90.24 deg Az: 268.86
deg TVD: 6819.62 ft

S: 174 MD:
16840.00 ft Inc:
91.07 deg Az: 269.38
deg TVD: 6818.53 ft

S: 175 MD:
16936.00 ft Inc:
91.21 deg Az: 269.54
deg TVD: 6816.62 ft

S: 176 MD:
17031.00 ft Inc:
90.97 deg Az: 270.04
deg TVD: 6814.81 ft

S: 177 MD:
17126.00 ft Inc:
91.68 deg Az: 267.22
deg TVD: 6812.61 ft

