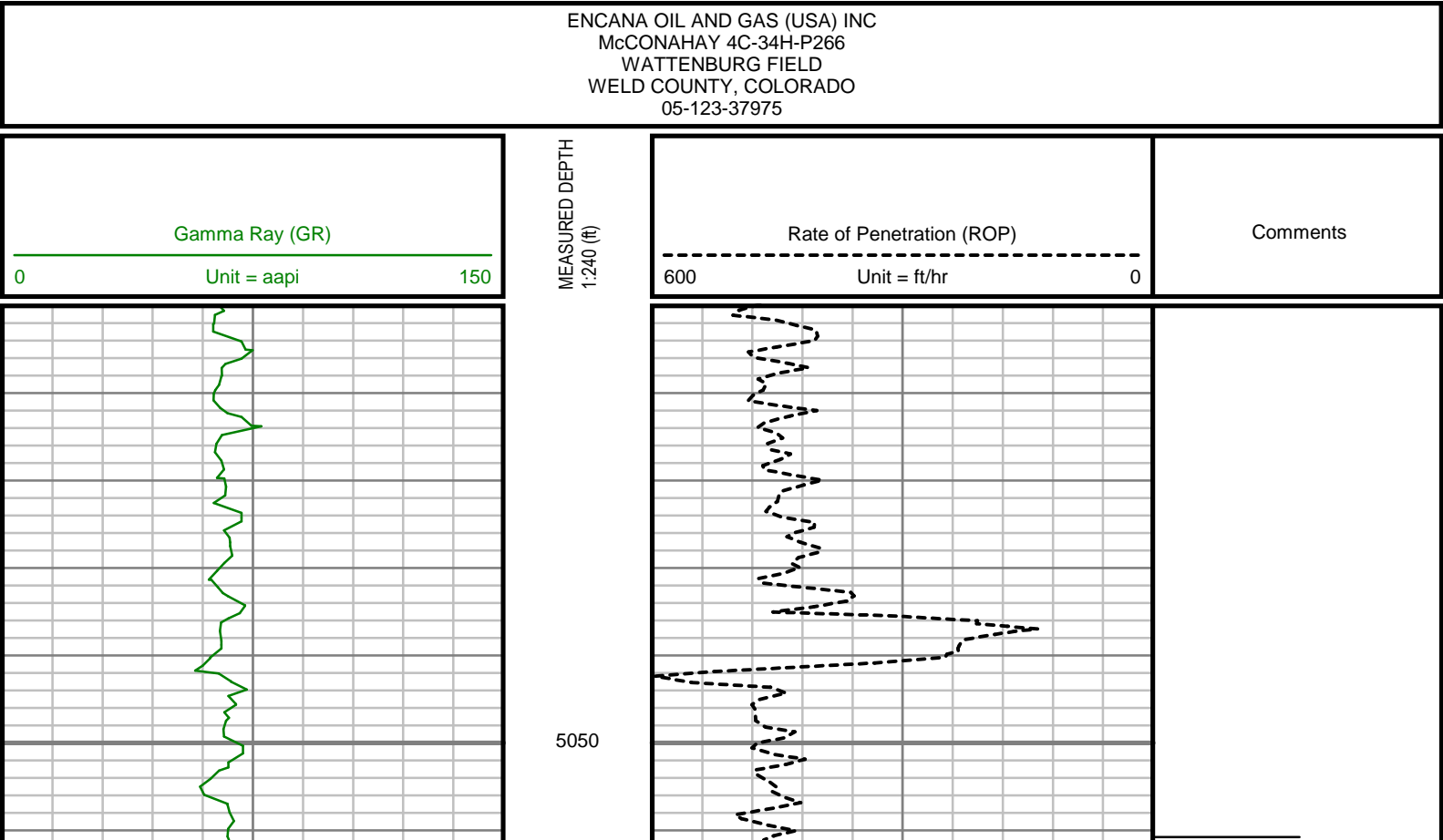
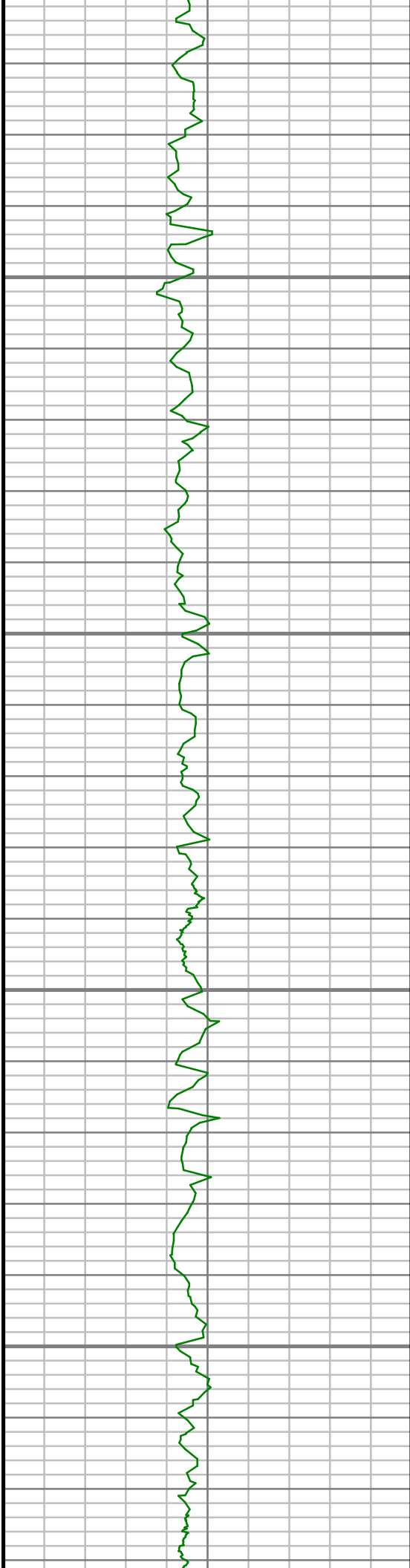


Remarks
ENCANA OIL AND GAS (USA) INC PRODUCTION AFE# 13178240
SCIENTIFIC DRILLING INTERNATIONAL JOB# 105064
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN #1: MWD / DIRECTIONAL RUN
SENSORS S/N: CONT = 814 / MWD EYE = 0380
BIT TO SENSOR OFFSET: SURVEY = 57.85 FT.
RUN #2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-062 / CONT = 786 / MWD EYE = 0120 / GAMMA RAY = 1021
BIT TO SENSOR OFFSETS: SURVEY = 67.12 FT. / GAMMA RAY = 53.87 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-149 / CONT = 786 / MWD EYE = 0380 / GAMMA RAY = 1057
BIT TO SENSOR OFFSETS: SURVEY = 75.90 FT. / GAMMA RAY = 62.65 FT.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION

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.



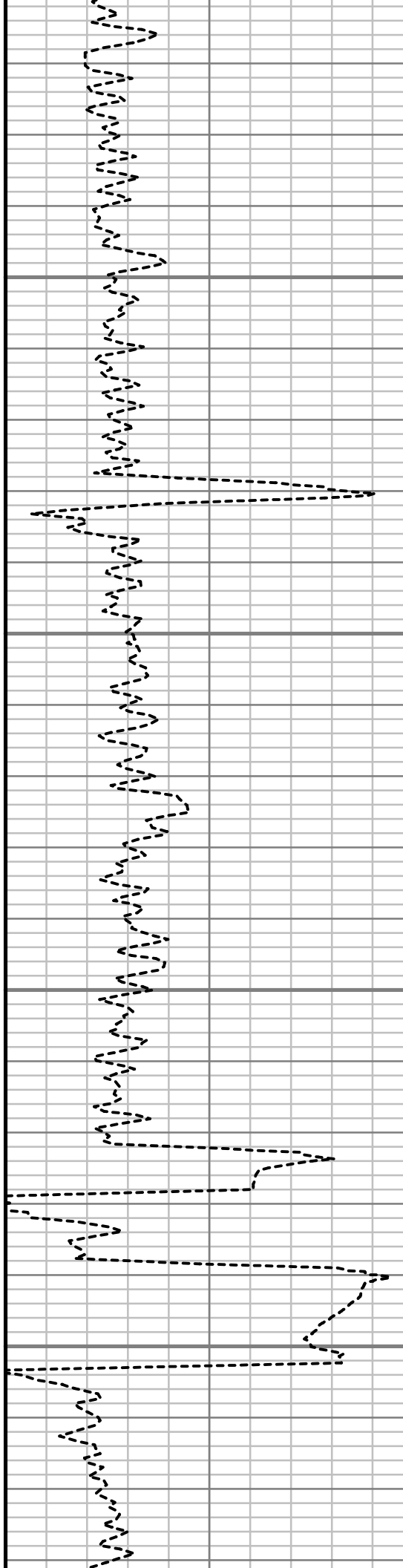


5100

5150

5200

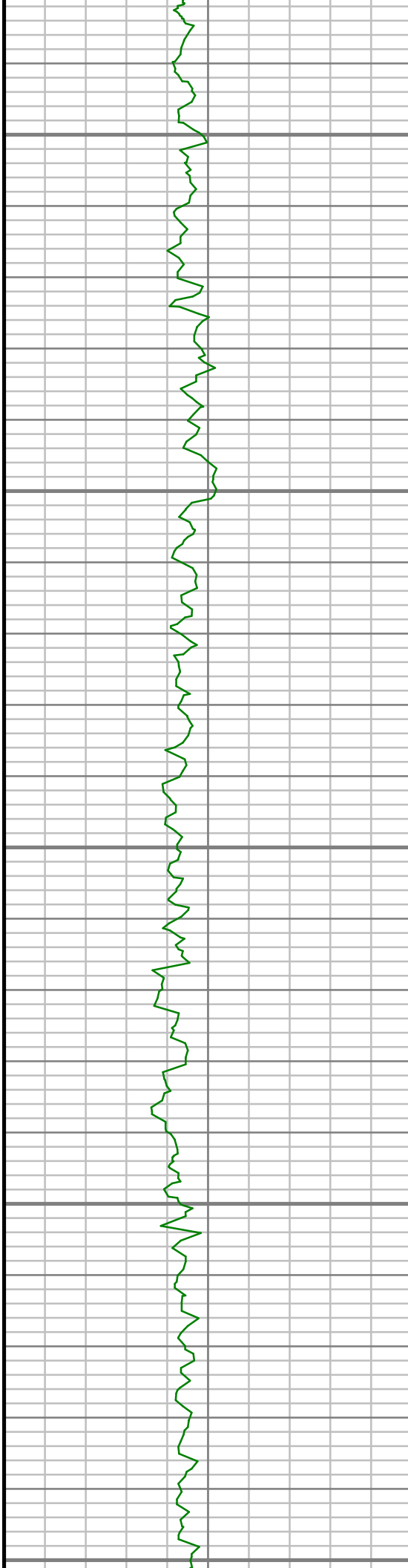
5250



S: 53 MD: 5061.00 ft Inc: 6.89
deg Az: 108.19 deg TVD:
5037.73 ft

S: 54 MD: 5157.00 ft Inc: 5.86
deg Az: 102.74 deg TVD:
5133.13 ft

S: 55 MD: 5251.00 ft Inc: 6.35
deg Az: 96.53 deg TVD:
5226.60 ft



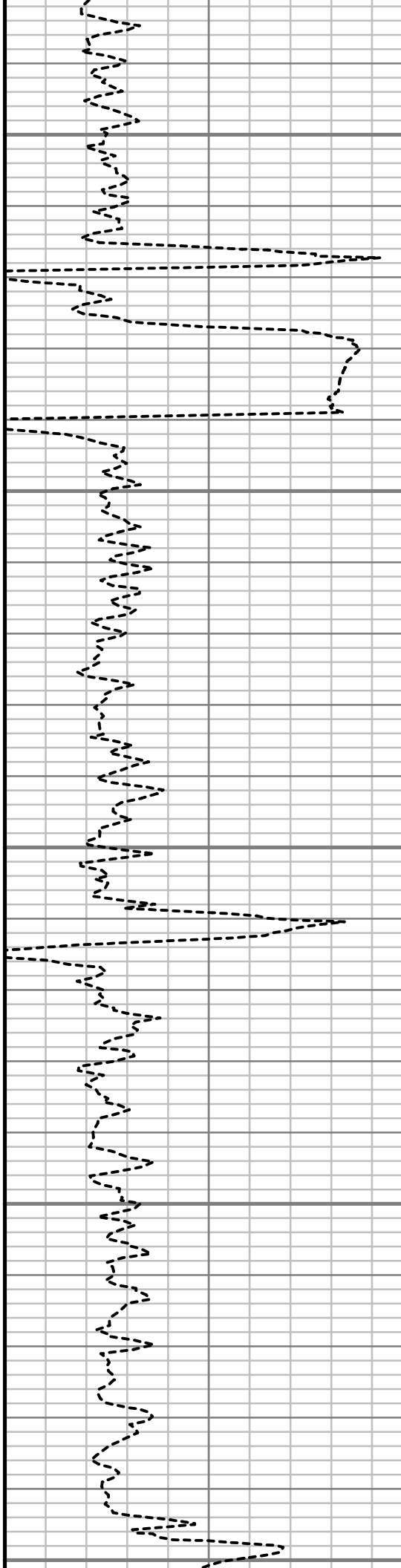
5300

5350

5400

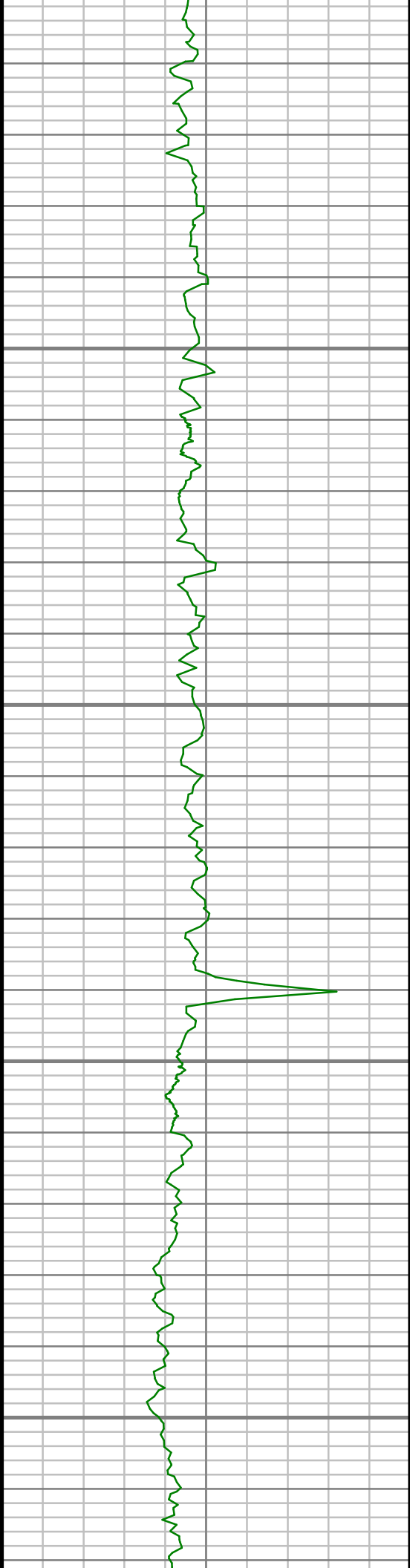
5450

5500



S: 56 MD: 5346.00 ft Inc: 7.08
deg Az: 106.70 deg TVD:
5320.95 ft

S: 57 MD: 5441.00 ft Inc: 6.96
deg Az: 106.49 deg TVD:
5415.24 ft

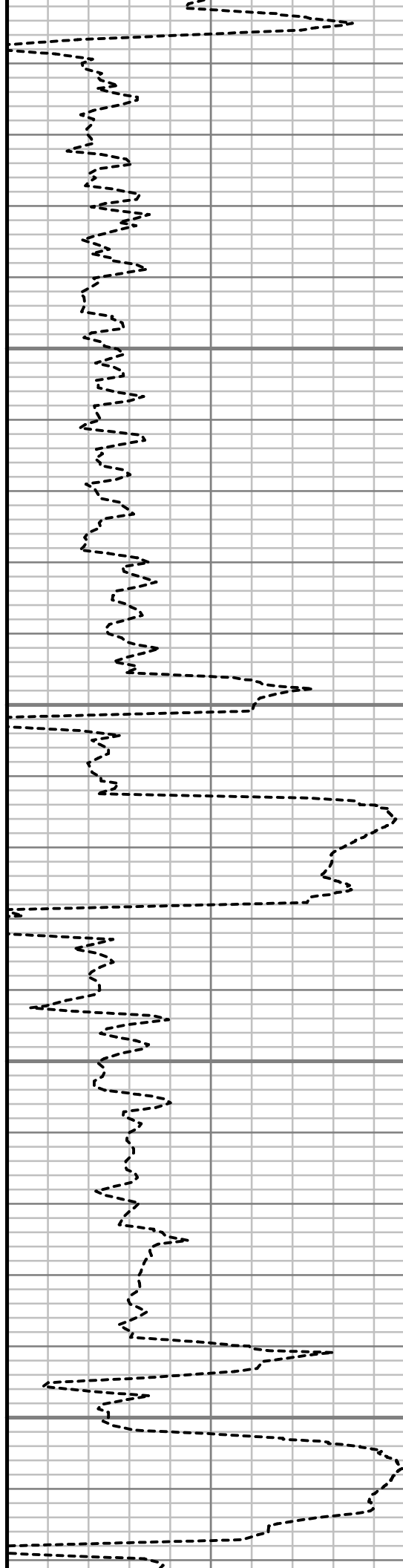


5550

5600

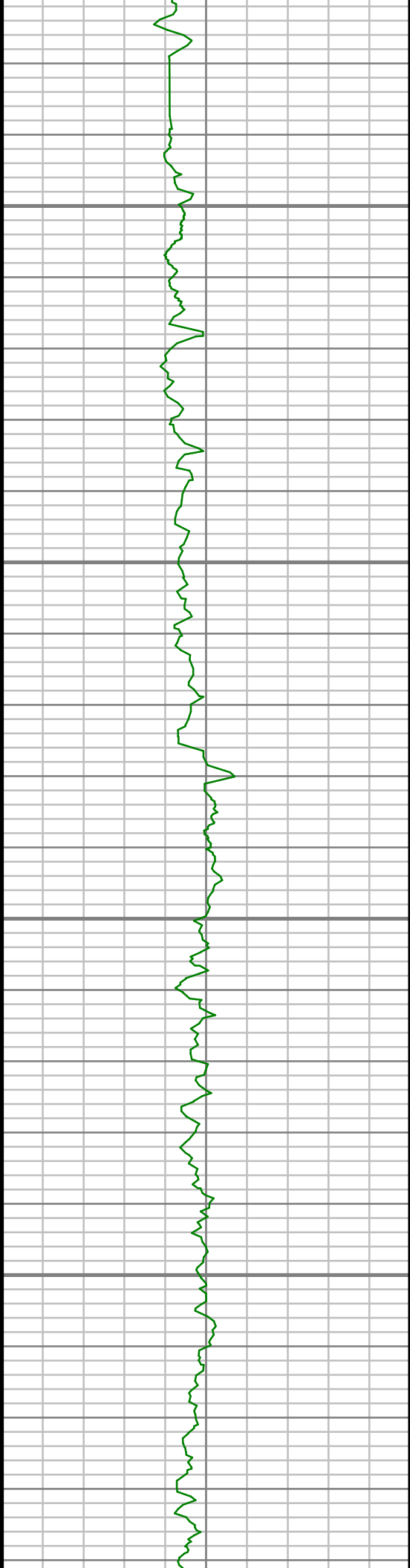
5650

5700



S: 58 MD: 5536.00 ft Inc: 5.99
deg Az: 103.12 deg TVD:
5509.64 ft

S: 59 MD: 5631.00 ft Inc: 5.30
deg Az: 106.26 deg TVD:
5604.17 ft

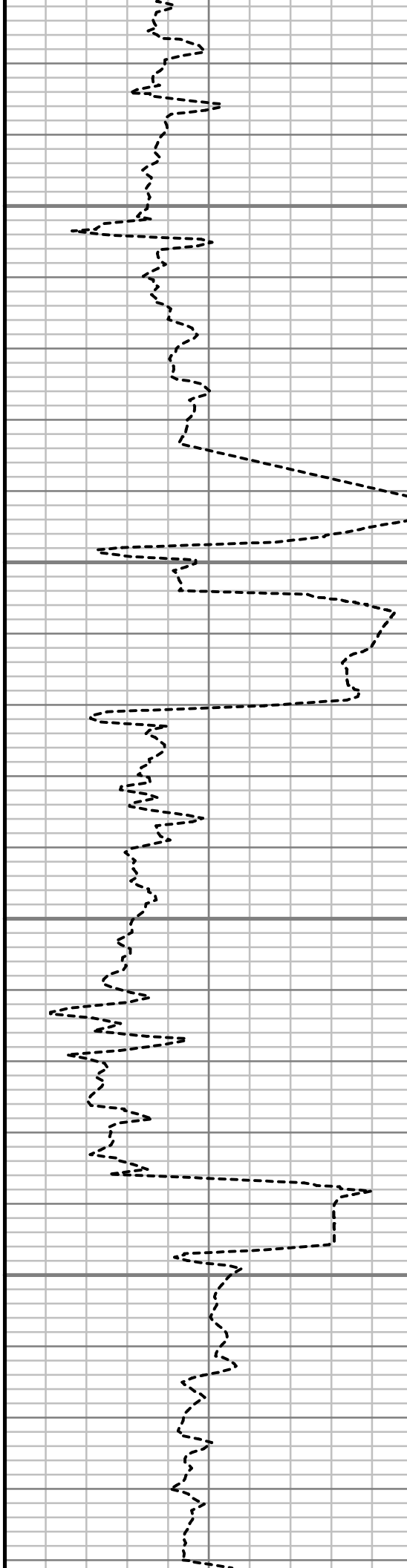


5750

5800

5850

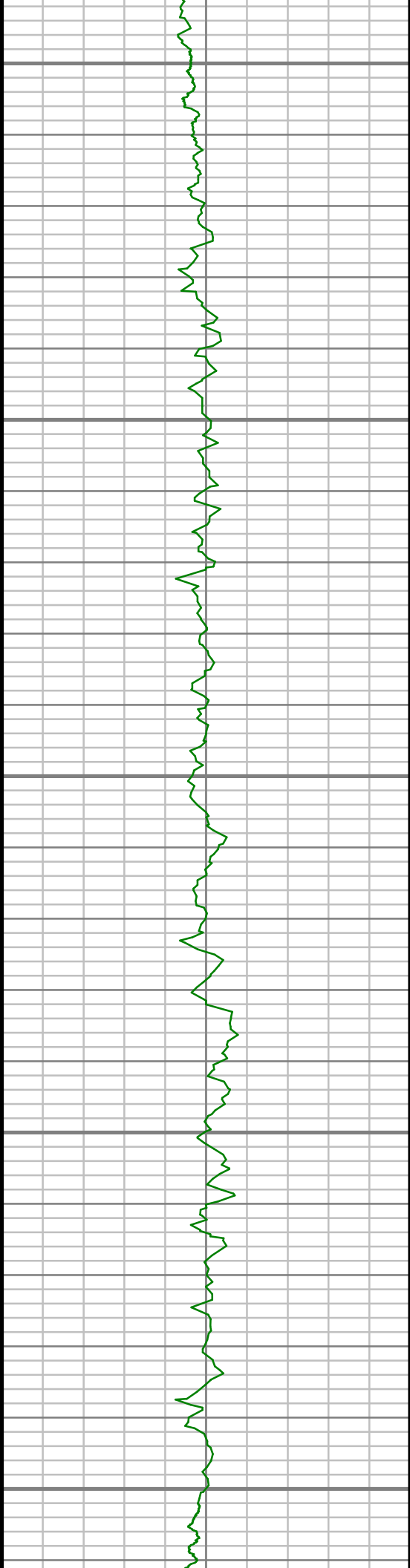
5900



S: 60 MD: 5726.00 ft Inc: 5.50
deg Az: 111.07 deg TVD:
5698.75 ft

S: 61 MD: 5821.00 ft Inc: 6.65
deg Az: 106.03 deg TVD:
5793.22 ft

S: 62 MD: 5916.00 ft Inc: 6.04
deg Az: 100.12 deg TVD:
5887.64 ft



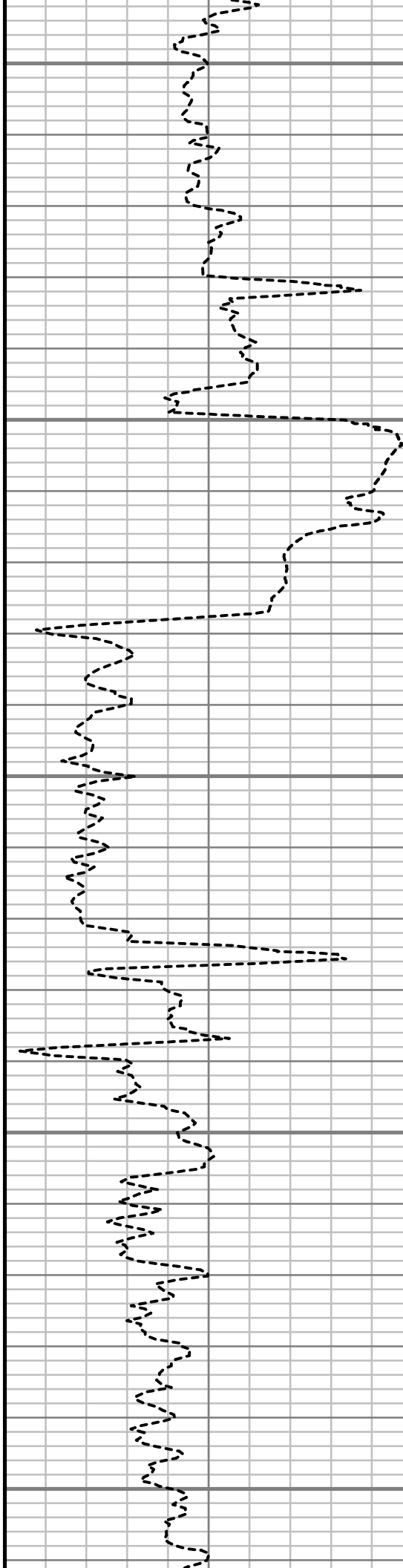
5950

6000

6050

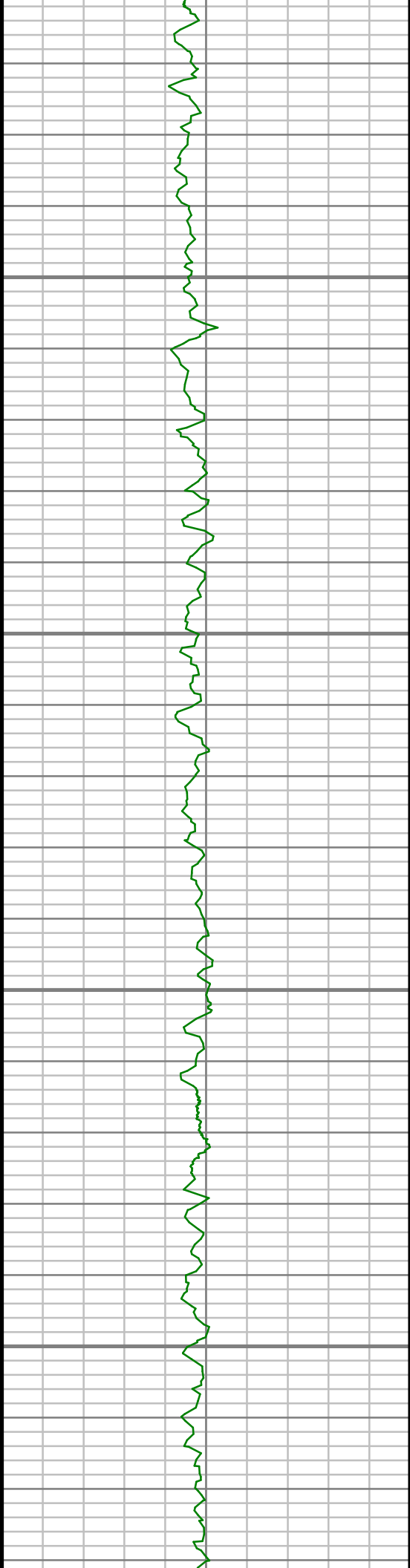
6100

6150



S: 63 MD: 6011.00 ft Inc: 5.93
deg Az: 106.68 deg TVD:
5982.12 ft

S: 64 MD: 6106.00 ft Inc: 5.10
deg Az: 113.93 deg TVD:
6076.68 ft

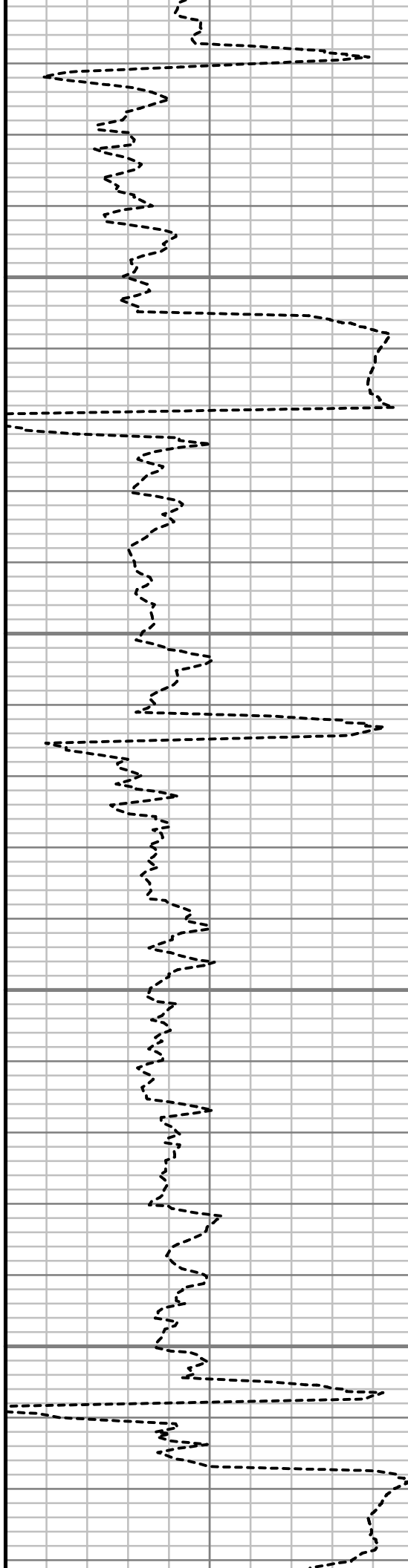


6200

6250

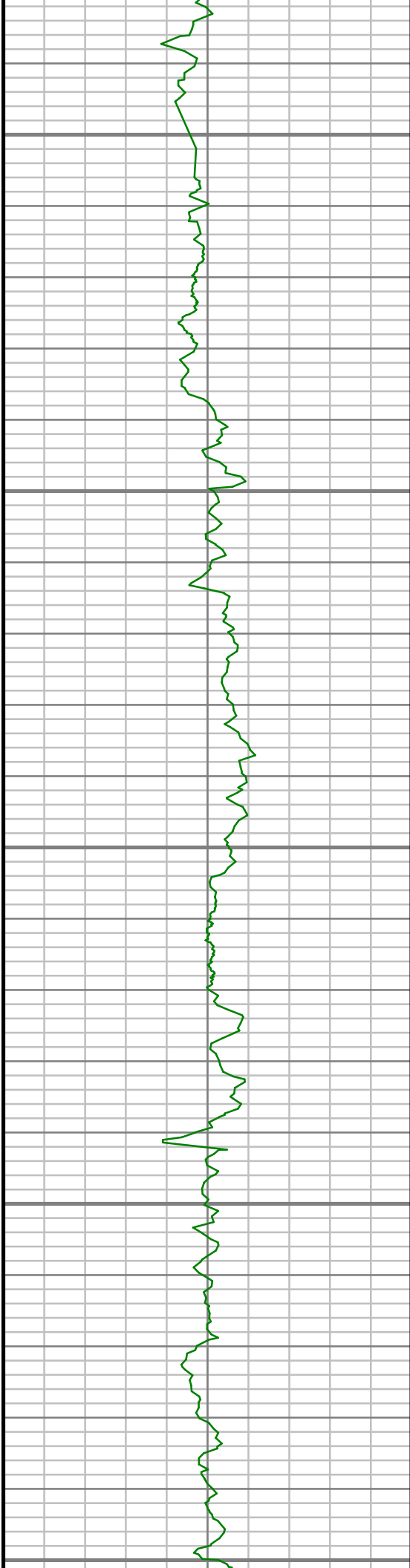
6300

6350



S: 65 MD: 6201.00 ft Inc: 5.05
deg Az: 110.82 deg TVD:
6171.31 ft

S: 66 MD: 6295.00 ft Inc: 5.27
deg Az: 107.40 deg TVD:
6264.93 ft



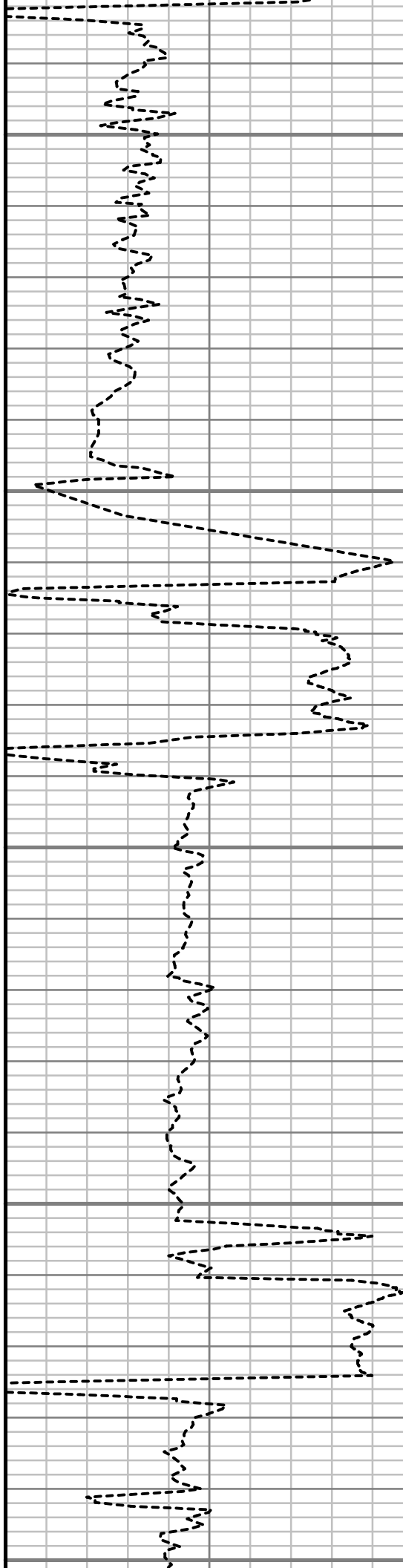
6400

6450

6500

6550

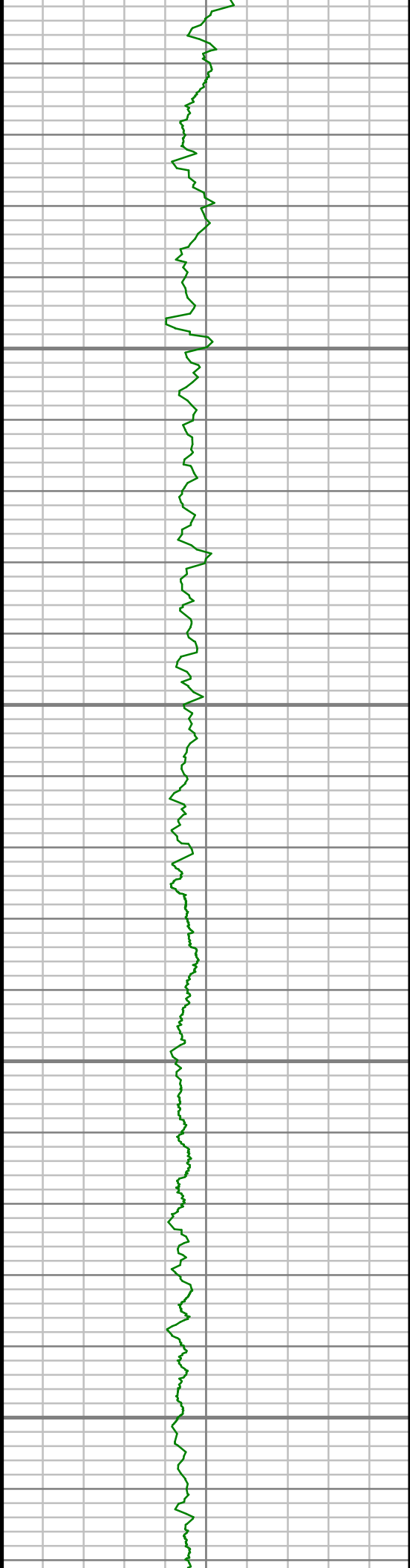
6600



S: 67 MD: 6390.00 ft Inc: 5.31
deg Az: 110.10 deg TVD:
6359.53 ft

S: 68 MD: 6485.00 ft Inc: 5.52
deg Az: 99.72 deg TVD:
6454.10 ft

S: 69 MD: 6580.00 ft Inc: 5.85
deg Az: 106.81 deg TVD:
6548.64 ft

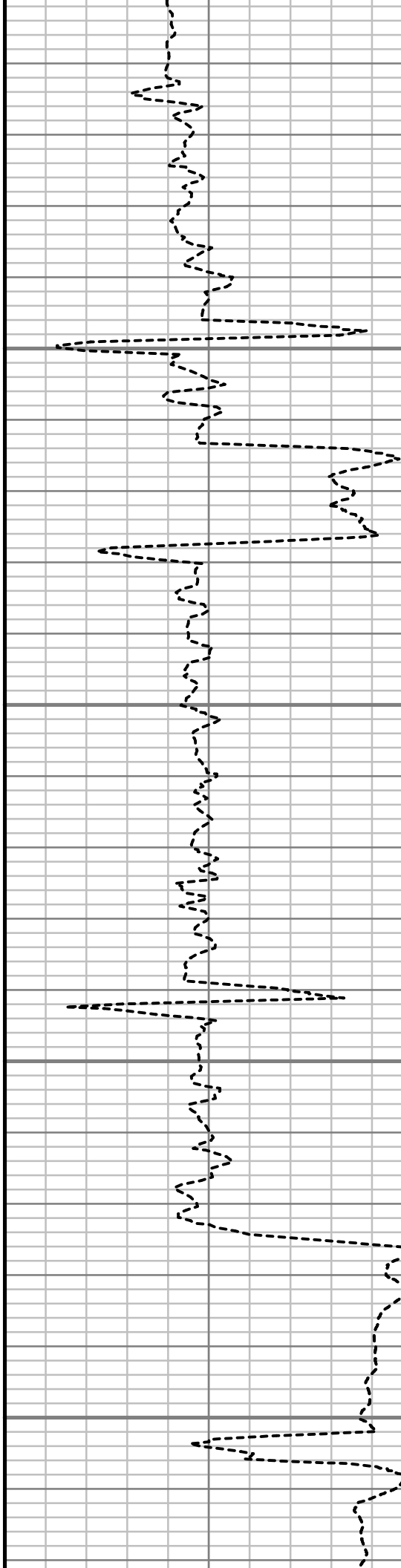


6650

6700

6750

6800



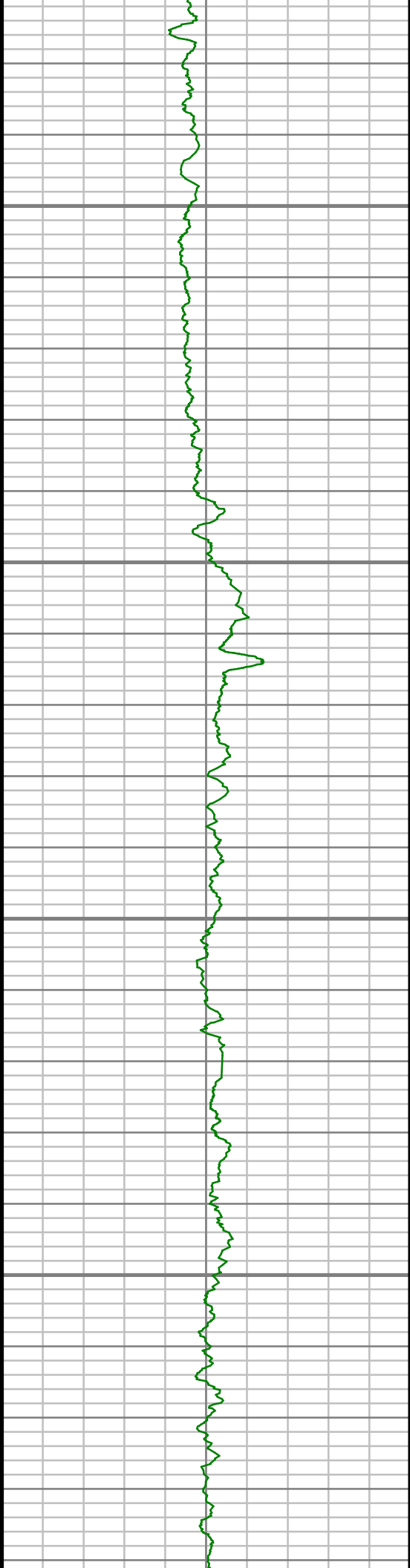
S: 70 MD: 6675.00 ft Inc: 5.19
deg Az: 110.70 deg TVD:
6643.20 ft

S: 71 MD: 6707.00 ft Inc: 4.83
deg Az: 116.72 deg TVD:
6675.08 ft

S: 72 MD: 6738.00 ft Inc: 4.58
deg Az: 115.41 deg TVD:
6705.97 ft

S: 73 MD: 6770.00 ft Inc: 4.31
deg Az: 126.68 deg TVD:
6737.88 ft

S: 74 MD: 6801.00 ft Inc: 4.58
deg Az: 160.38 deg TVD:
6768.79 ft

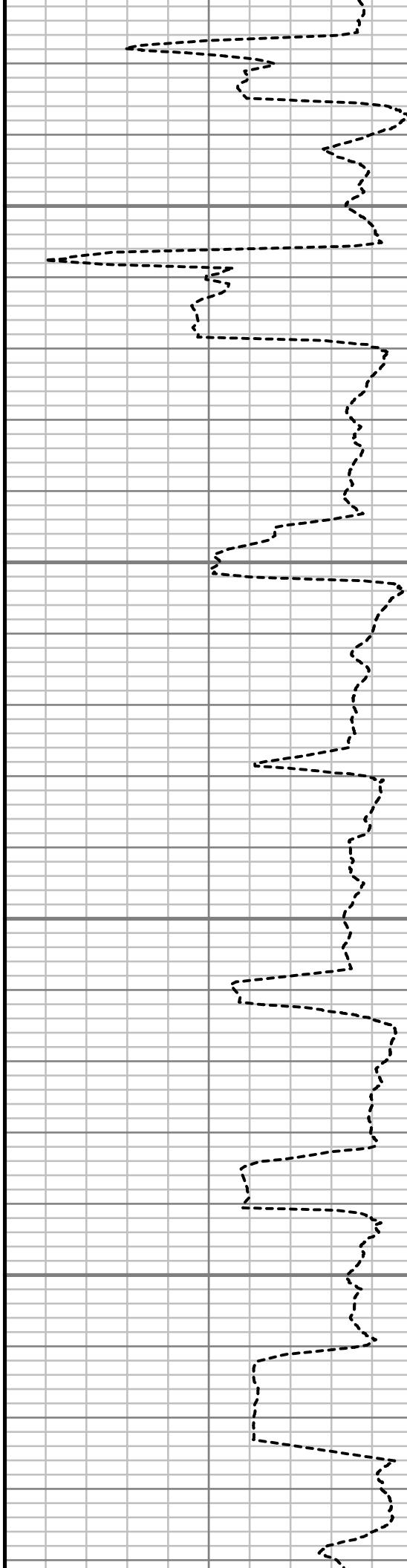


6850

6900

6950

7000



S: 75 MD: 6833.00 ft Inc: 6.19
deg Az: 180.80 deg TVD:
6800.65 ft

S: 76 MD: 6864.00 ft Inc: 7.99
deg Az: 195.32 deg TVD:
6831.41 ft

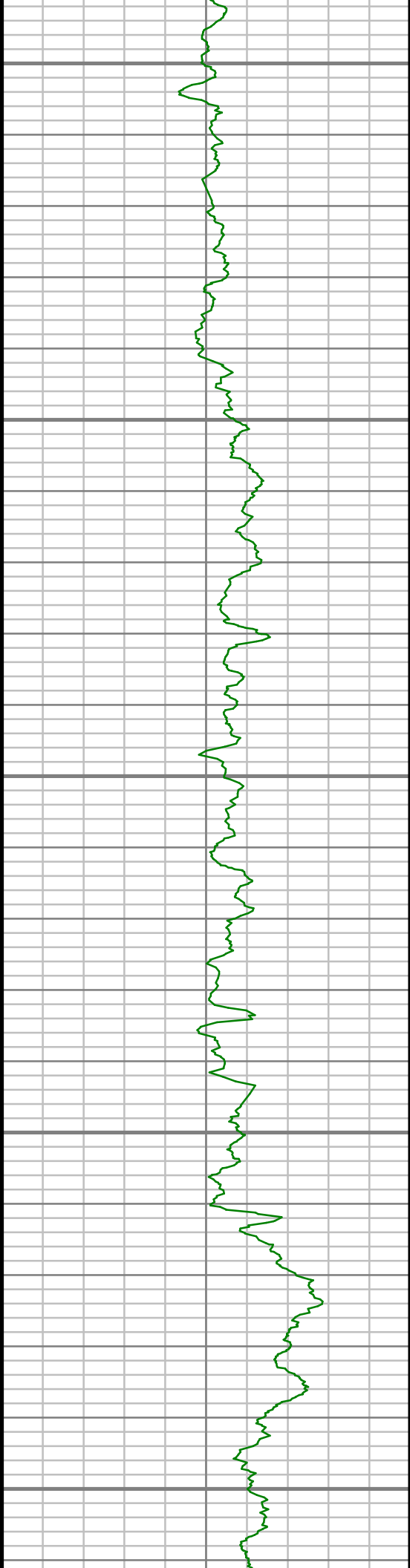
S: 77 MD: 6896.00 ft Inc: 9.12
deg Az: 214.32 deg TVD:
6863.06 ft

S: 78 MD: 6928.00 ft Inc: 10.61
deg Az: 237.03 deg TVD:
6894.60 ft

S: 79 MD: 6959.00 ft Inc: 12.35
deg Az: 252.89 deg TVD:
6924.99 ft

S: 80 MD: 6991.00 ft Inc: 13.97
deg Az: 257.19 deg TVD:
6956.15 ft

S: 81 MD: 7023.00 ft Inc: 15.32
deg Az: 256.46 deg TVD:
6987.11 ft



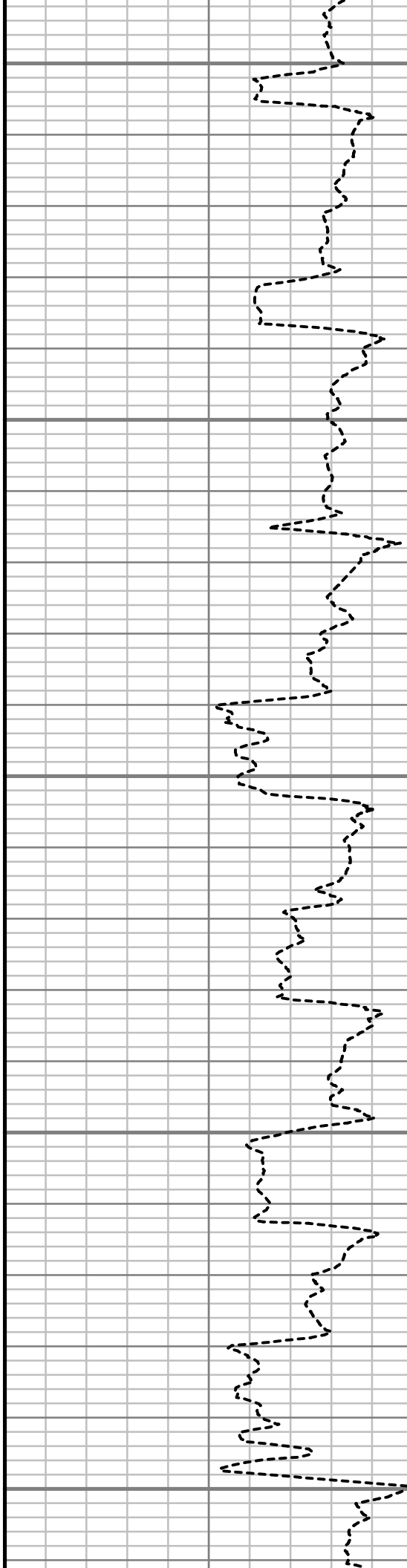
7050

7100

7150

7200

7250



S: 82 MD: 7054.00 ft Inc: 17.88
deg Az: 256.42 deg TVD:
7016.81 ft

S: 83 MD: 7085.00 ft Inc: 21.39
deg Az: 258.06 deg TVD:
7046.00 ft

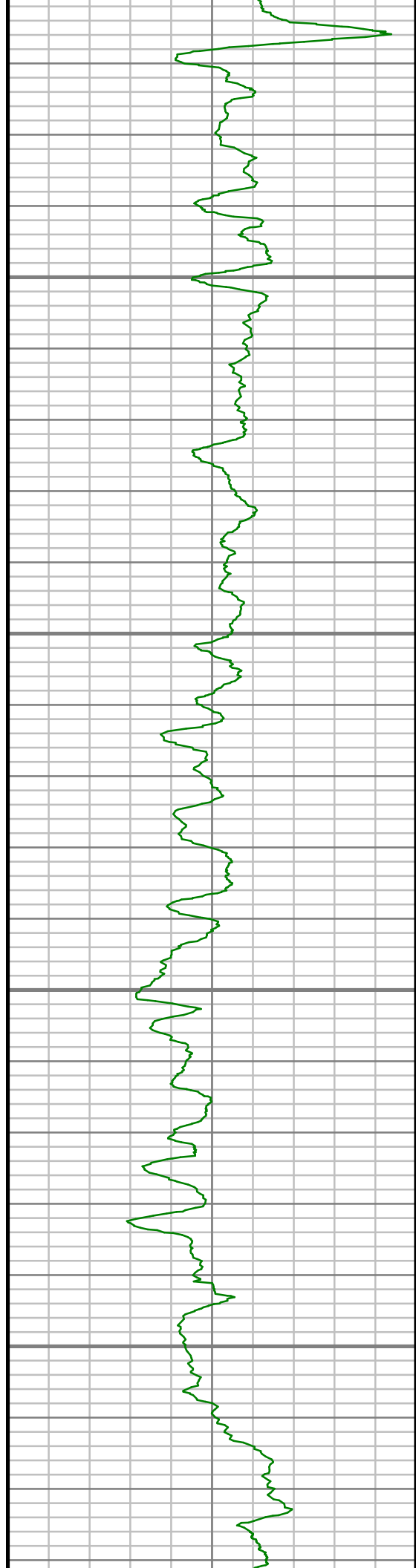
S: 84 MD: 7117.00 ft Inc: 25.18
deg Az: 257.35 deg TVD:
7075.39 ft

S: 85 MD: 7149.00 ft Inc: 28.15
deg Az: 257.95 deg TVD:
7103.99 ft

S: 86 MD: 7181.00 ft Inc: 30.43
deg Az: 259.91 deg TVD:
7131.89 ft

S: 87 MD: 7212.00 ft Inc: 32.38
deg Az: 263.00 deg TVD:
7158.35 ft

S: 88 MD: 7244.00 ft Inc: 34.17
deg Az: 265.66 deg TVD:
7185.11 ft

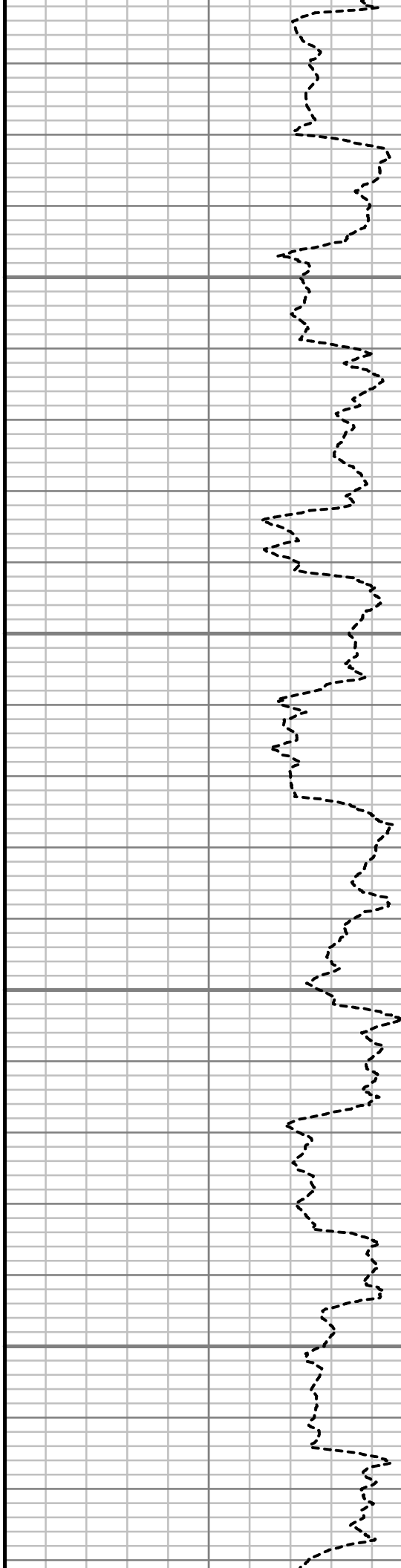


7300

7350

7400

7450



S: 89 MD: 7275.00 ft Inc: 36.00
deg Az: 266.27 deg TVD:
7210.47 ft

S: 90 MD: 7307.00 ft Inc: 37.99
deg Az: 266.80 deg TVD:
7236.03 ft

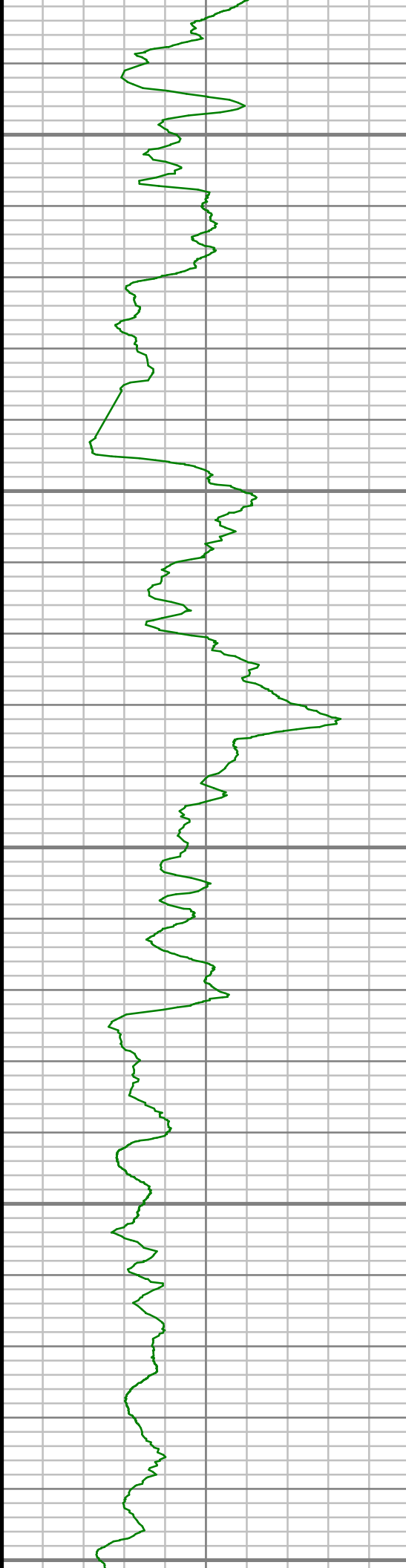
S: 91 MD: 7338.00 ft Inc: 41.09
deg Az: 266.77 deg TVD:
7259.93 ft

S: 92 MD: 7370.00 ft Inc: 43.48
deg Az: 267.85 deg TVD:
7283.61 ft

S: 93 MD: 7402.00 ft Inc: 45.53
deg Az: 268.48 deg TVD:
7306.43 ft

S: 94 MD: 7433.00 ft Inc: 47.07
deg Az: 269.81 deg TVD:
7327.84 ft

S: 95 MD: 7465.00 ft Inc: 48.68
deg Az: 271.77 deg TVD:
7349.31 ft



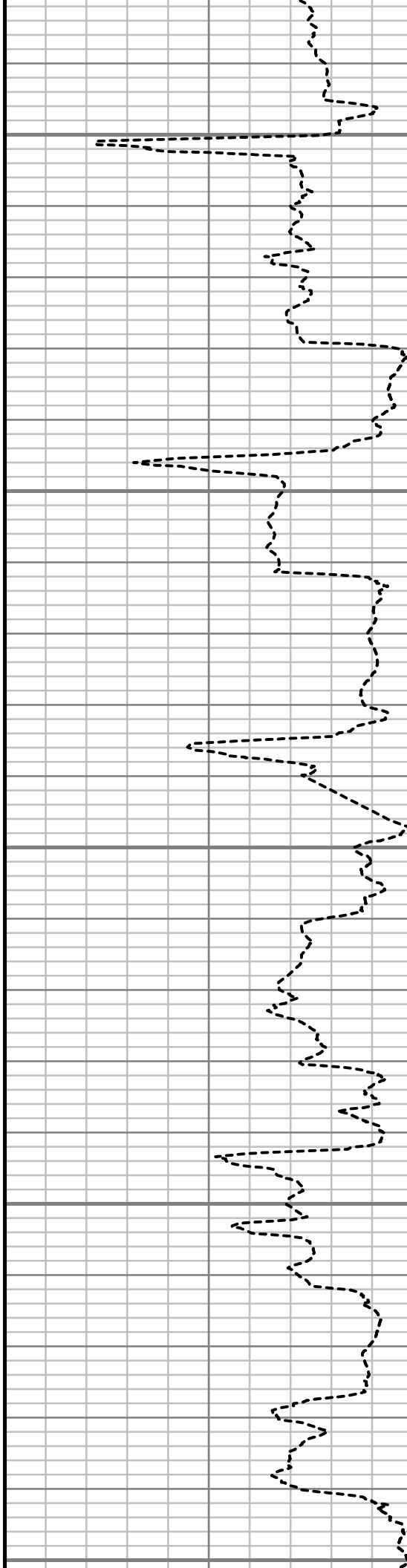
7500

7550

7600

7650

7700



S: 96 MD: 7497.00 ft Inc: 49.46
deg Az: 272.21 deg TVD:
7370.27 ft

S: 97 MD: 7528.00 ft Inc: 50.35
deg Az: 272.97 deg TVD:
7390.24 ft

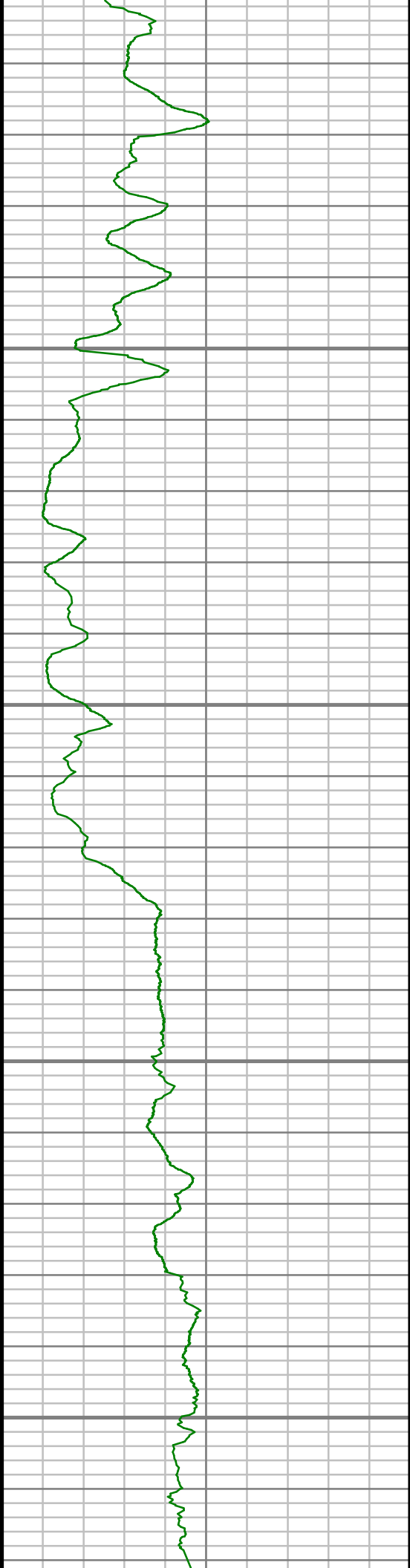
S: 98 MD: 7560.00 ft Inc: 52.90
deg Az: 273.05 deg TVD:
7410.10 ft

S: 99 MD: 7591.00 ft Inc: 56.51
deg Az: 272.04 deg TVD:
7428.01 ft

S: 100 MD: 7623.00 ft Inc:
58.61 deg Az: 271.57 deg TVD:
7445.18 ft

S: 101 MD: 7655.00 ft Inc:
60.89 deg Az: 271.20 deg TVD:
7461.30 ft

S: 102 MD: 7686.00 ft Inc:
63.84 deg Az: 270.44 deg TVD:
7475.67 ft

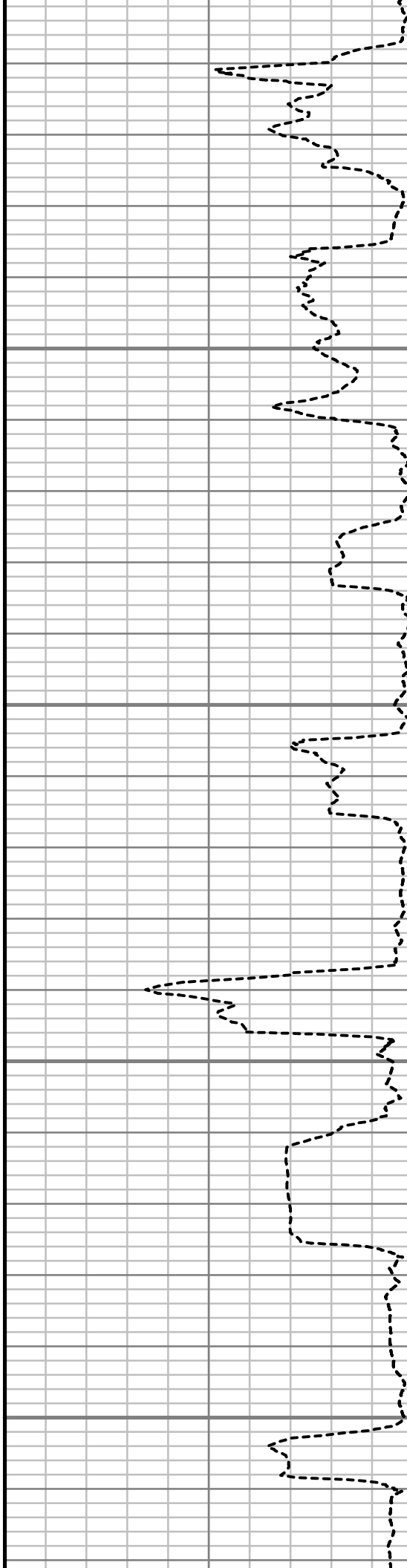


7750

7800

7850

7900



S: 103 MD: 7718.00 ft Inc:
65.96 deg Az: 270.02 deg TVD:
7489.25 ft

S: 104 MD: 7749.00 ft Inc:
67.68 deg Az: 268.62 deg TVD:
7501.45 ft

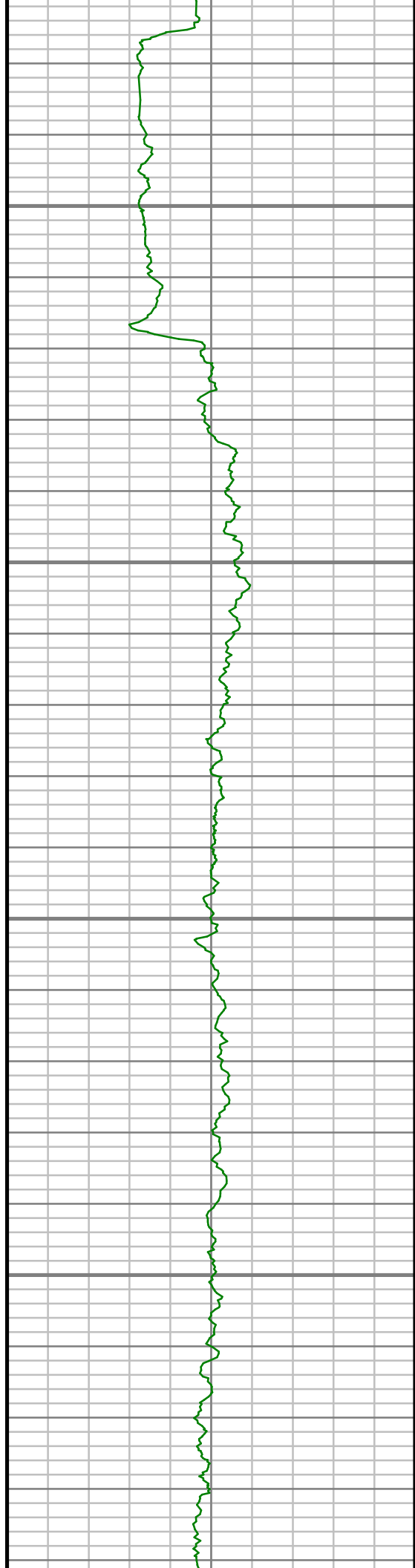
S: 105 MD: 7781.00 ft Inc:
70.37 deg Az: 273.21 deg TVD:
7512.91 ft

S: 106 MD: 7813.00 ft Inc:
73.57 deg Az: 273.14 deg TVD:
7522.81 ft

S: 107 MD: 7844.00 ft Inc:
76.15 deg Az: 272.30 deg TVD:
7530.90 ft

S: 108 MD: 7876.00 ft Inc:
78.40 deg Az: 272.50 deg TVD:
7537.95 ft

S: 109 MD: 7911.00 ft Inc:
82.62 deg Az: 273.03 deg TVD:
7543.72 ft

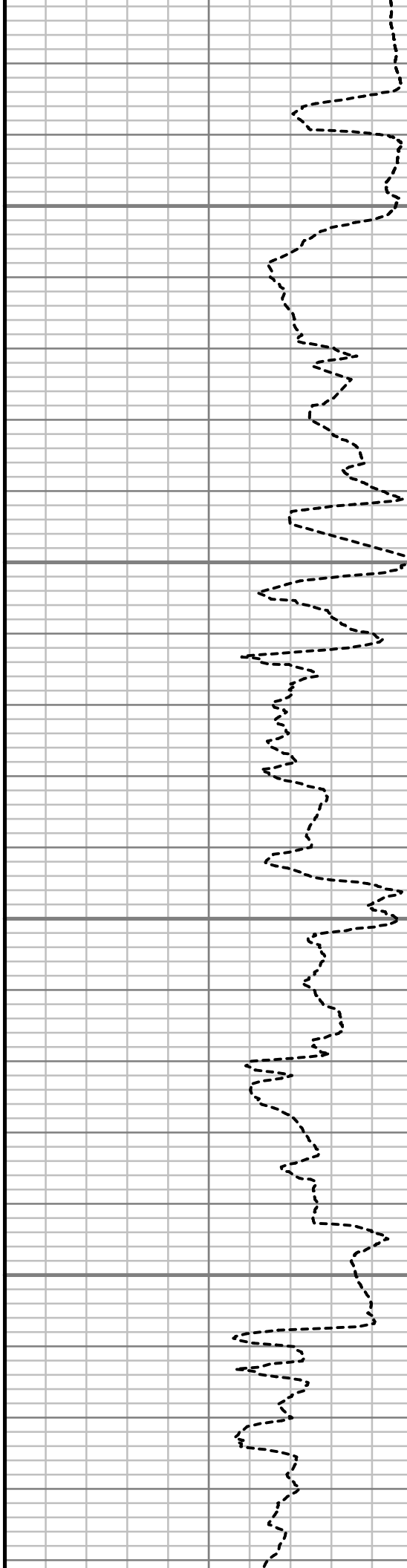


7950

8000

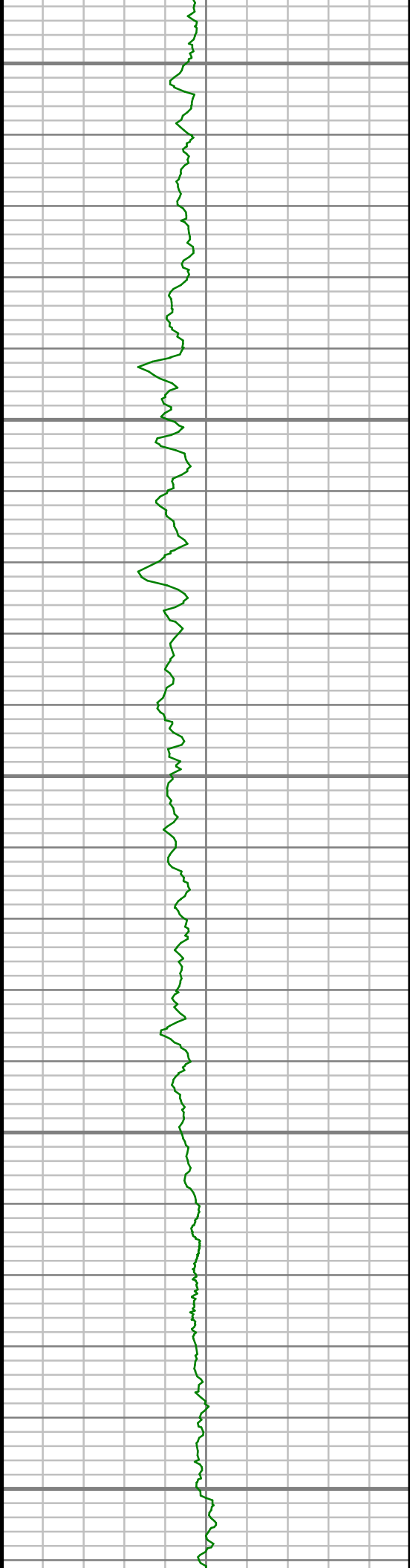
8050

8100



S: 110 MD: 8017.00 ft Inc:
87.58 deg Az: 271.07 deg TVD:
7552.77 ft

S: 111 MD: 8111.00 ft Inc:
89.26 deg Az: 272.38 deg TVD:
7555.36 ft



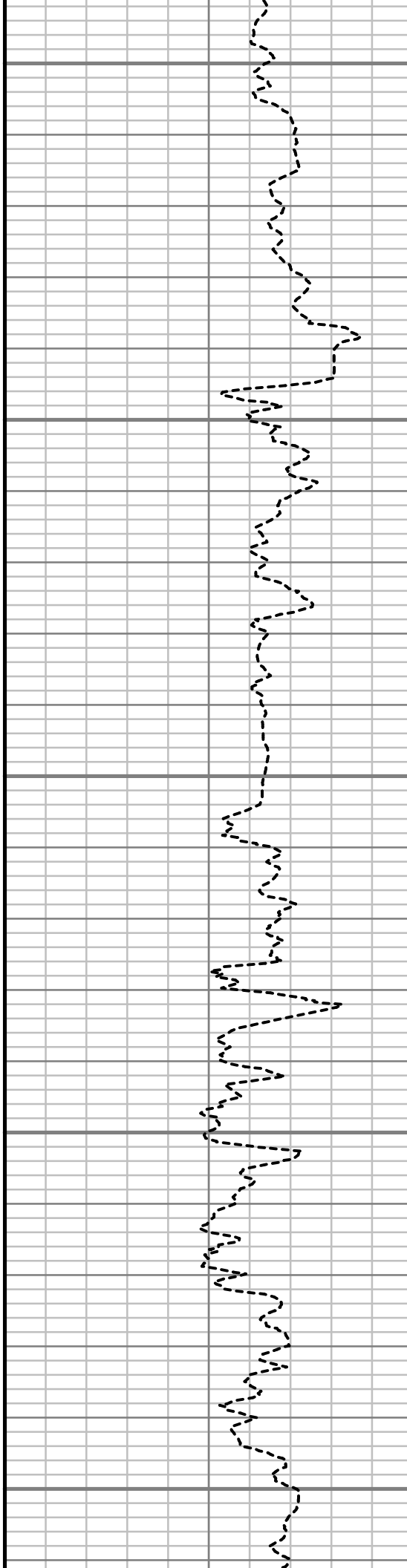
8150

8200

8250

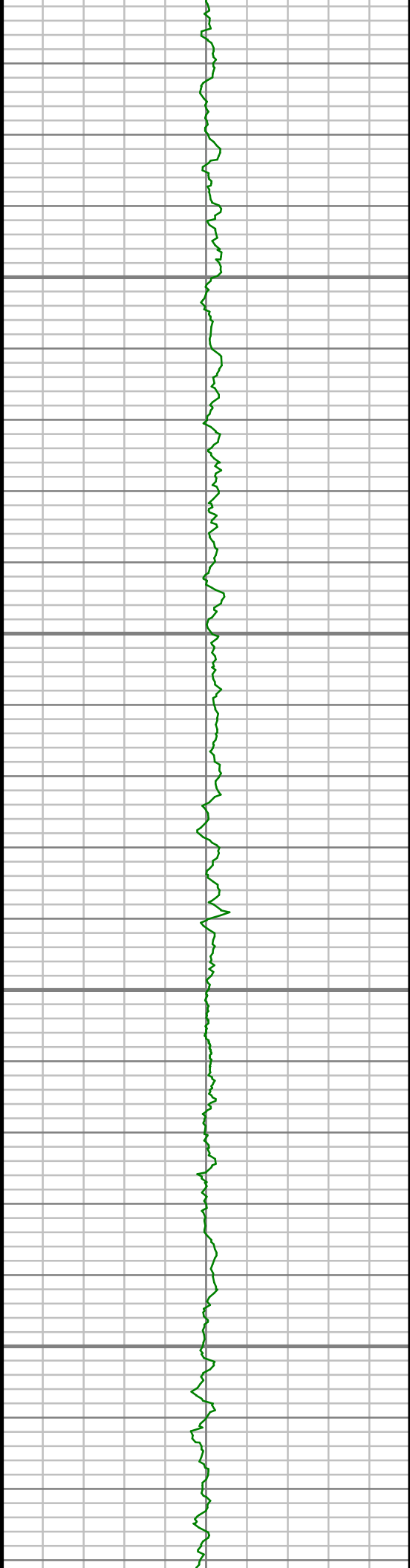
8300

8350



S: 112 MD: 8206.00 ft Inc:
89.63 deg Az: 273.15 deg TVD:
7556.28 ft

S: 113 MD: 8301.00 ft Inc:
90.30 deg Az: 273.87 deg TVD:
7556.33 ft

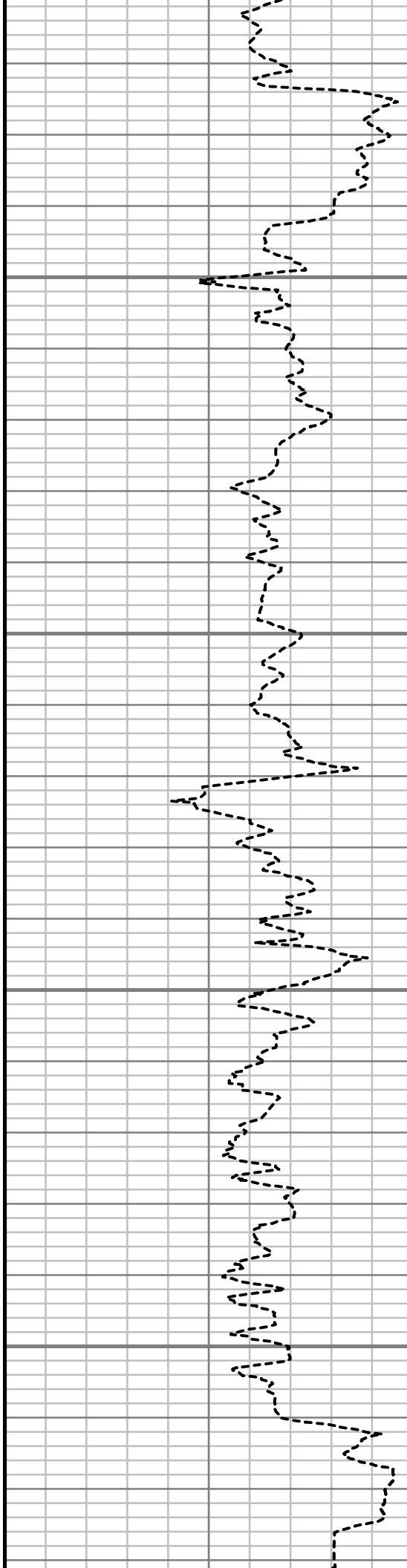


8400

8450

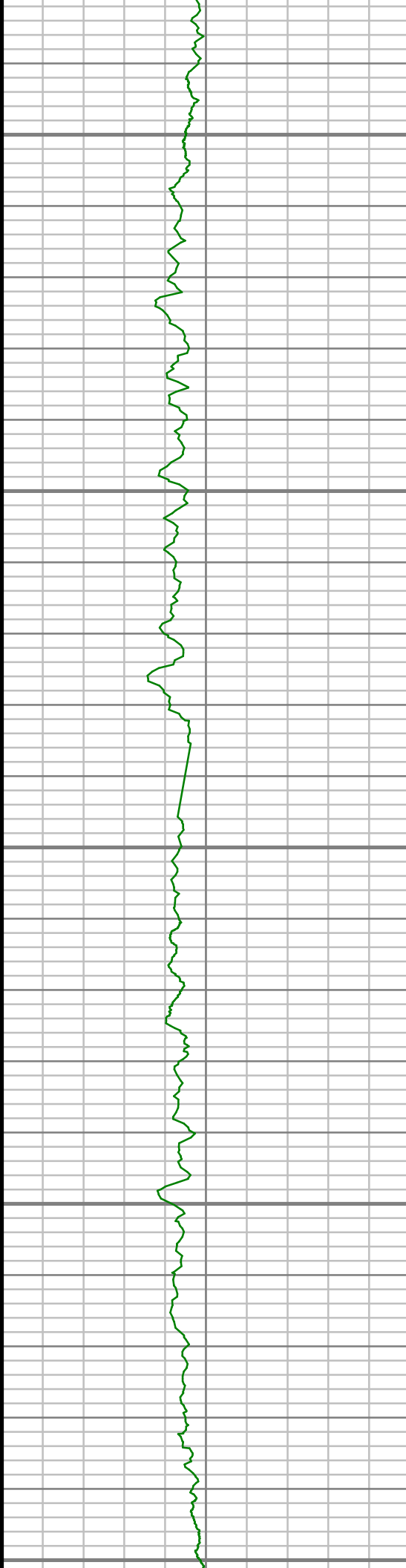
8500

8550



S: 114 MD: 8396.00 ft Inc:
89.63 deg Az: 272.45 deg TVD:
7556.39 ft

S: 115 MD: 8491.00 ft Inc:
89.26 deg Az: 272.95 deg TVD:
7557.31 ft



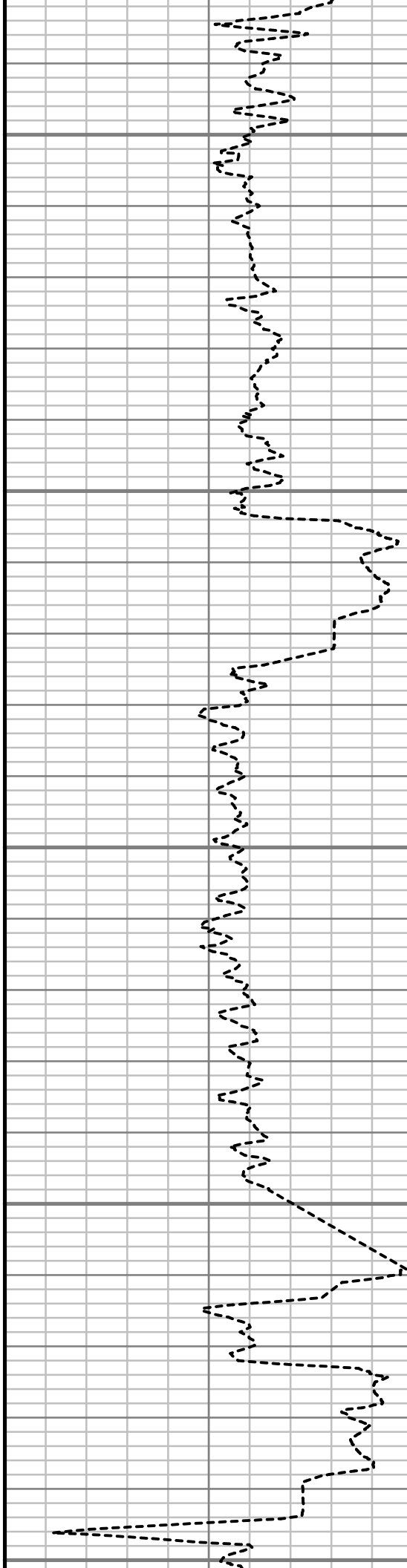
8600

8650

8700

8750

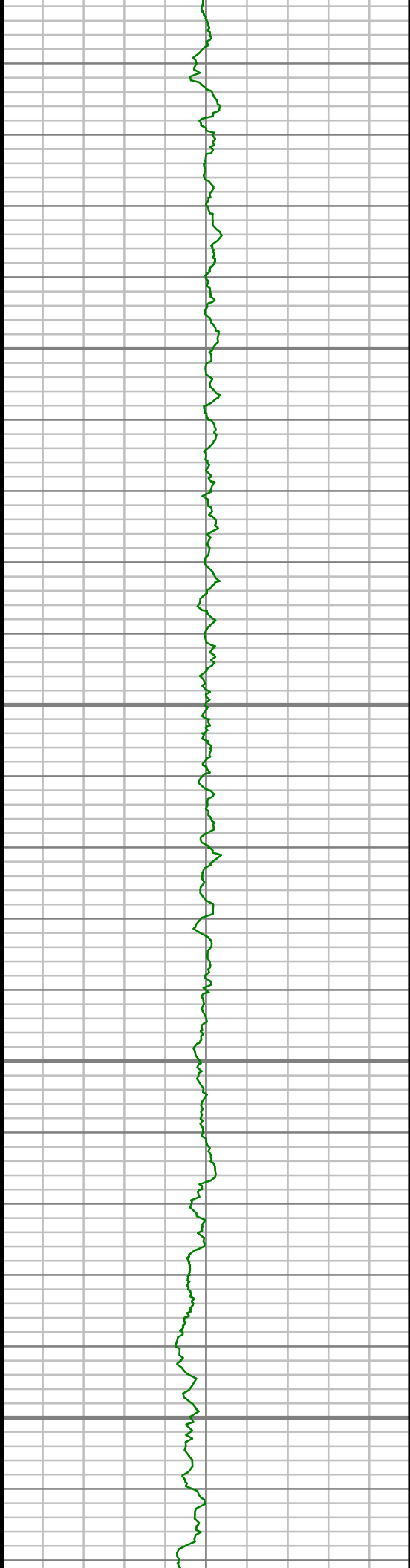
8800



S: 116 MD: 8586.00 ft Inc:
88.59 deg Az: 271.76 deg TVD:
7559.09 ft

S: 117 MD: 8681.00 ft Inc:
89.33 deg Az: 272.00 deg TVD:
7560.82 ft

S: 118 MD: 8776.00 ft Inc:
90.37 deg Az: 273.55 deg TVD:
7561.07 ft

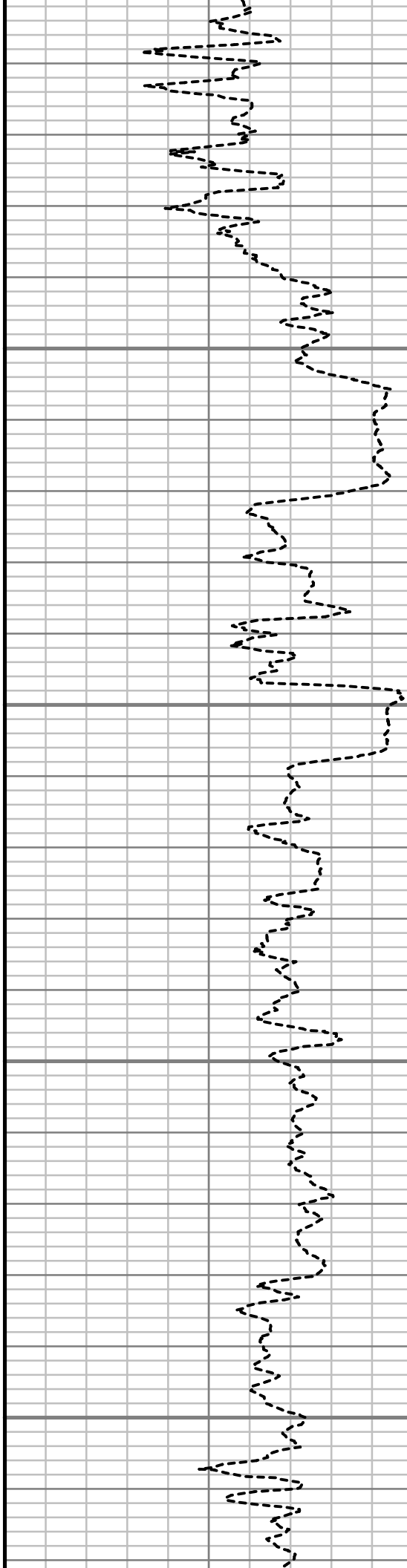


8850

8900

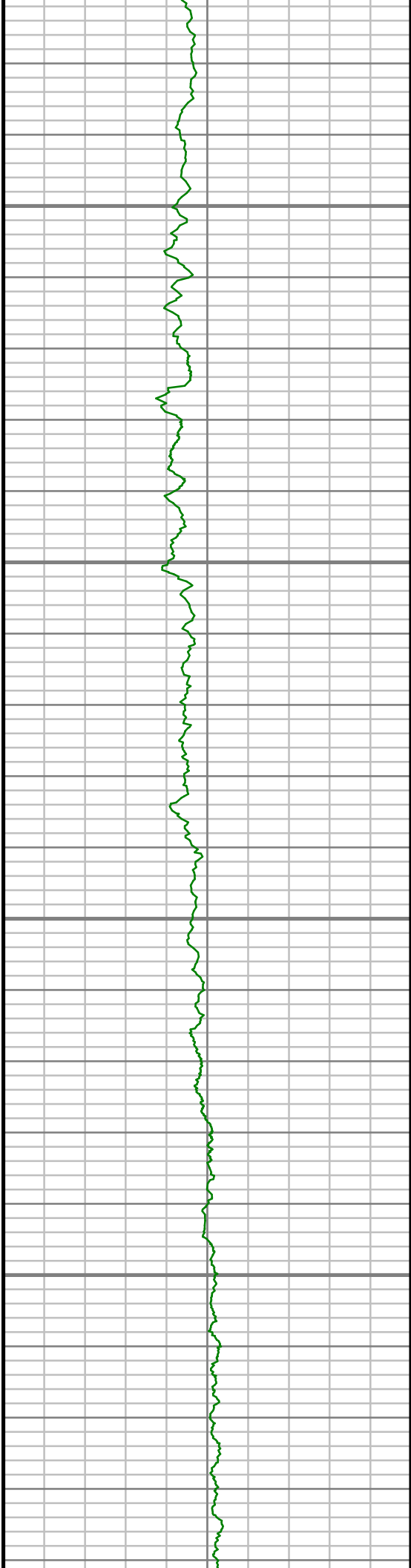
8950

9000



S: 119 MD: 8871.00 ft Inc:
89.46 deg Az: 270.67 deg TVD:
7561.21 ft

S: 120 MD: 8965.00 ft Inc:
89.26 deg Az: 270.10 deg TVD:
7562.26 ft

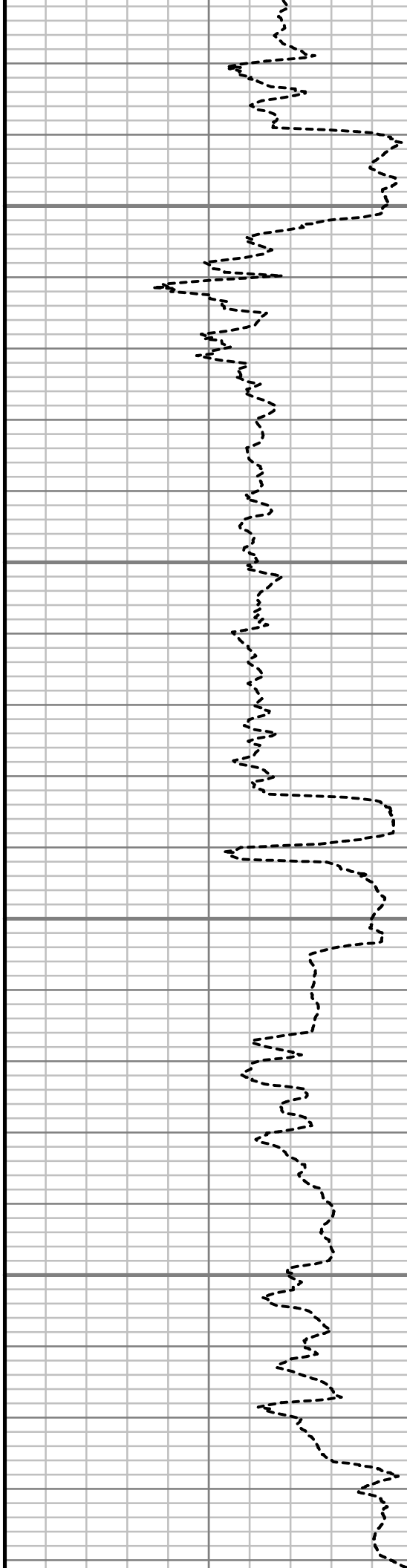


9050

9100

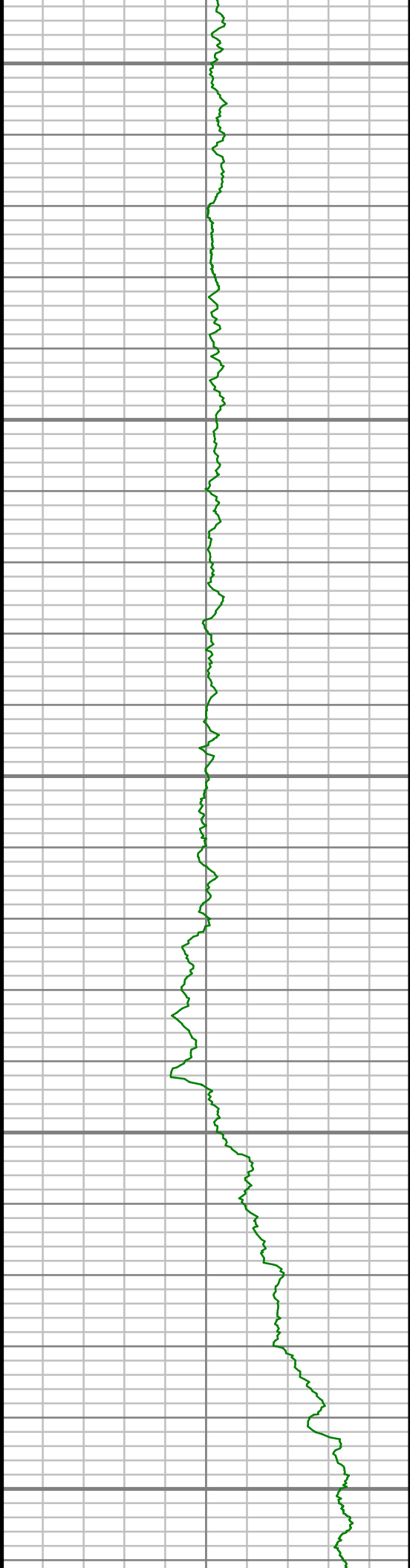
9150

9200



S: 121 MD: 9061.00 ft Inc:
89.43 deg Az: 269.67 deg TVD:
7563.35 ft

S: 122 MD: 9156.00 ft Inc:
90.64 deg Az: 270.63 deg TVD:
7563.30 ft



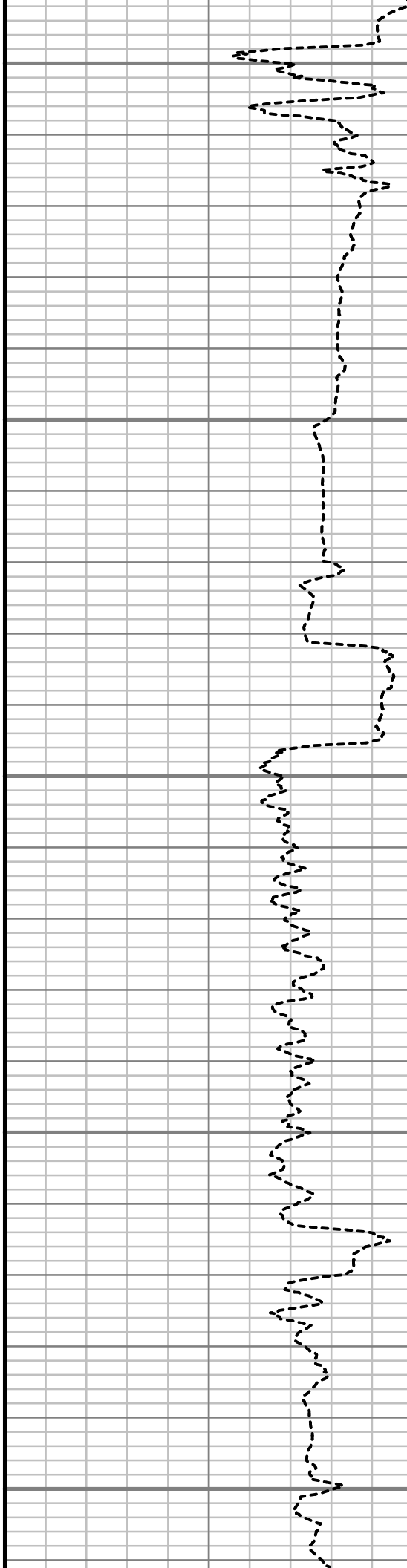
9250

9300

9350

9400

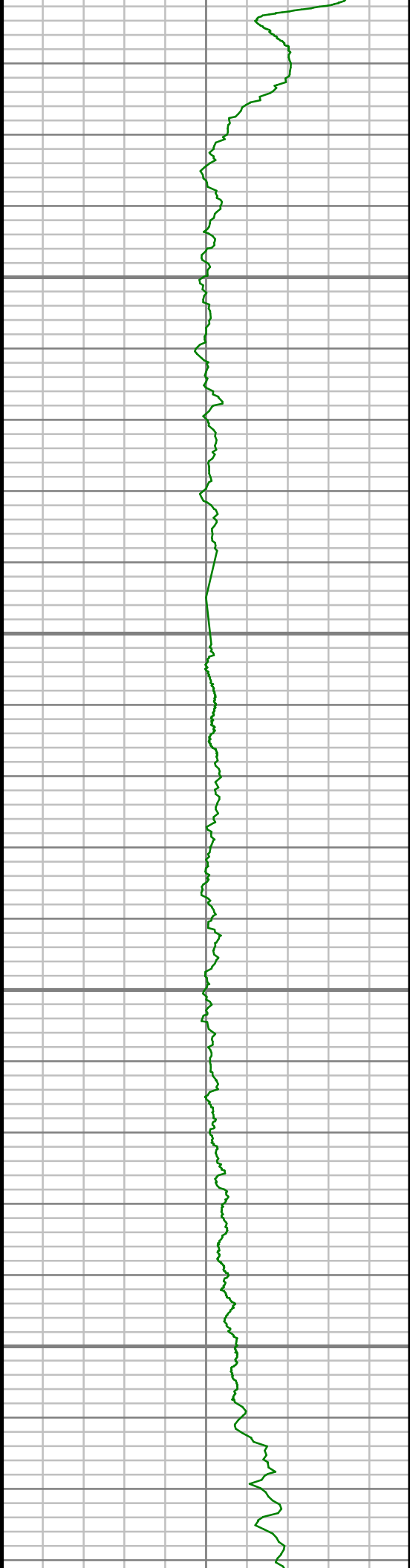
9450



S: 123 MD: 9251.00 ft Inc:
89.56 deg Az: 269.25 deg TVD:
7563.13 ft

S: 124 MD: 9346.00 ft Inc:
88.69 deg Az: 267.94 deg TVD:
7564.58 ft

S: 125 MD: 9440.00 ft Inc:
88.42 deg Az: 267.11 deg TVD:
7566.95 ft

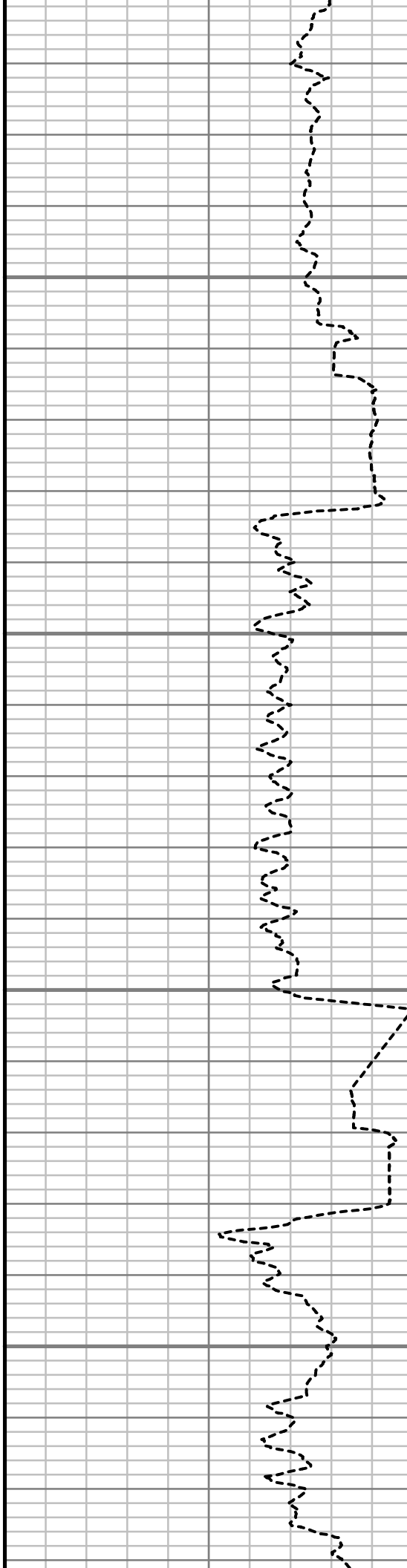


9500

9550

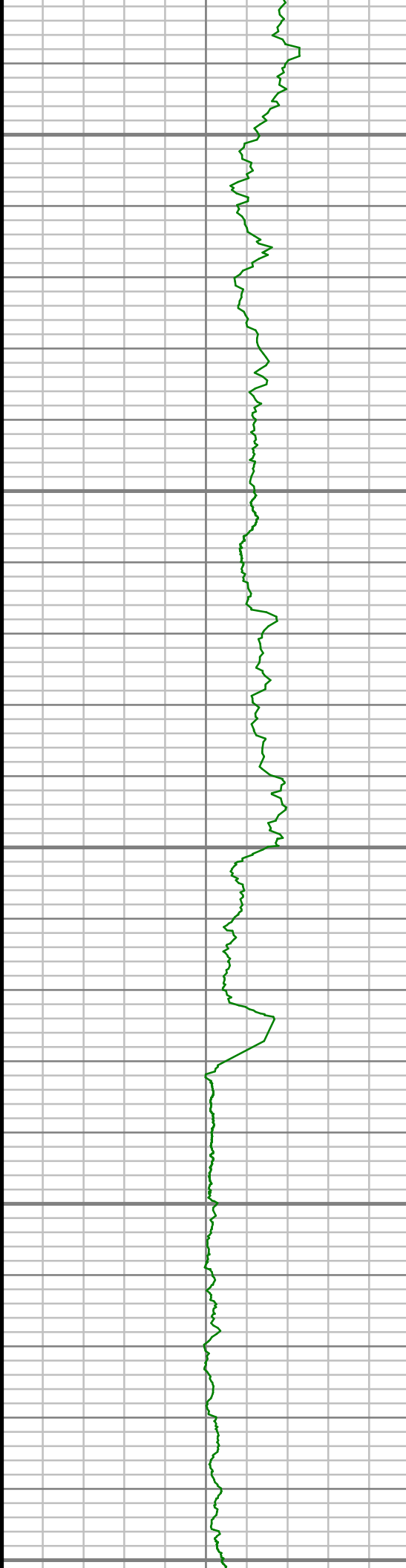
9600

9650



S: 126 MD: 9535.00 ft Inc:
88.99 deg Az: 269.06 deg TVD:
7569.09 ft

S: 127 MD: 9630.00 ft Inc:
89.16 deg Az: 268.91 deg TVD:
7570.63 ft



9700

9750

9800

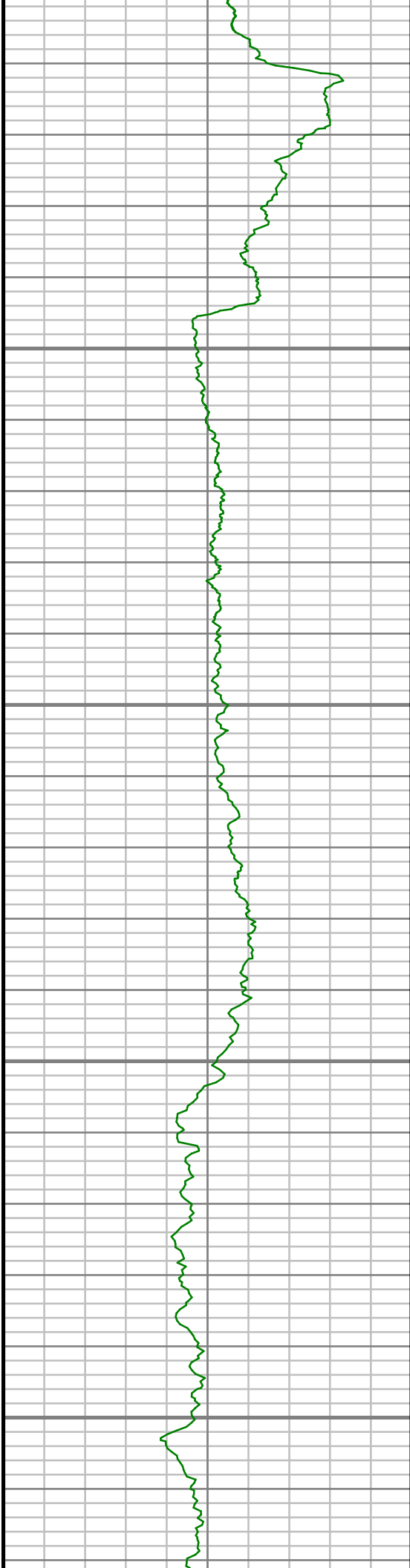
9850

9900



S: 128 MD: 9725.00 ft Inc:
90.44 deg Az: 267.66 deg TVD:
7570.96 ft

S: 129 MD: 9820.00 ft Inc:
91.55 deg Az: 267.22 deg TVD:
7569.32 ft

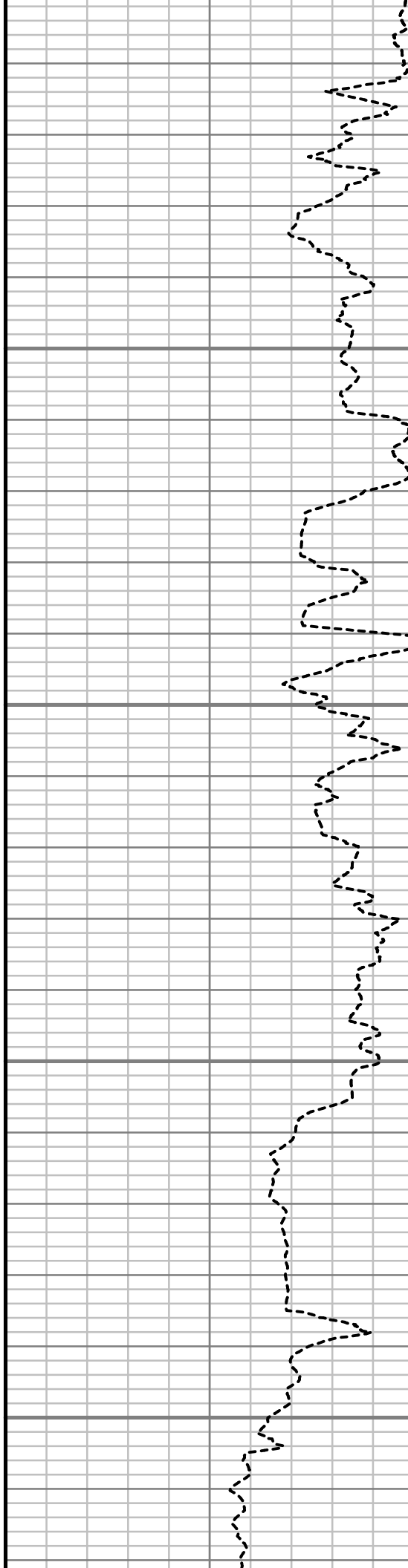


9950

10000

10050

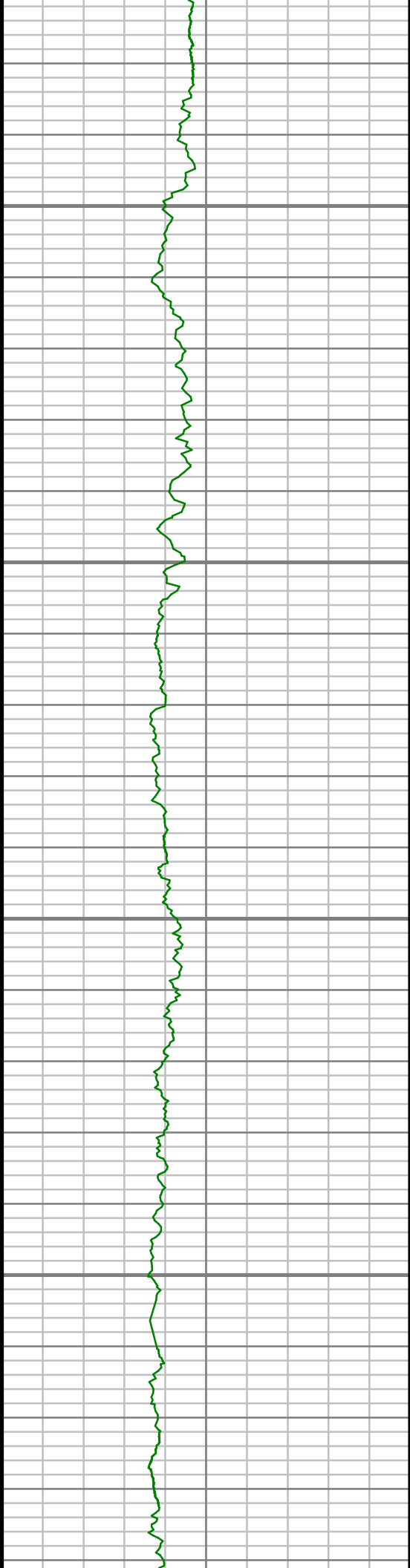
10100



S: 130 MD: 9915.00 ft Inc:
91.88 deg Az: 268.77 deg TVD:
7566.48 ft

S: 131 MD: 10010.00 ft Inc:
91.88 deg Az: 269.73 deg TVD:
7563.36 ft

S: 132 MD: 10105.00 ft Inc:
92.05 deg Az: 269.73 deg TVD:
7560.11 ft

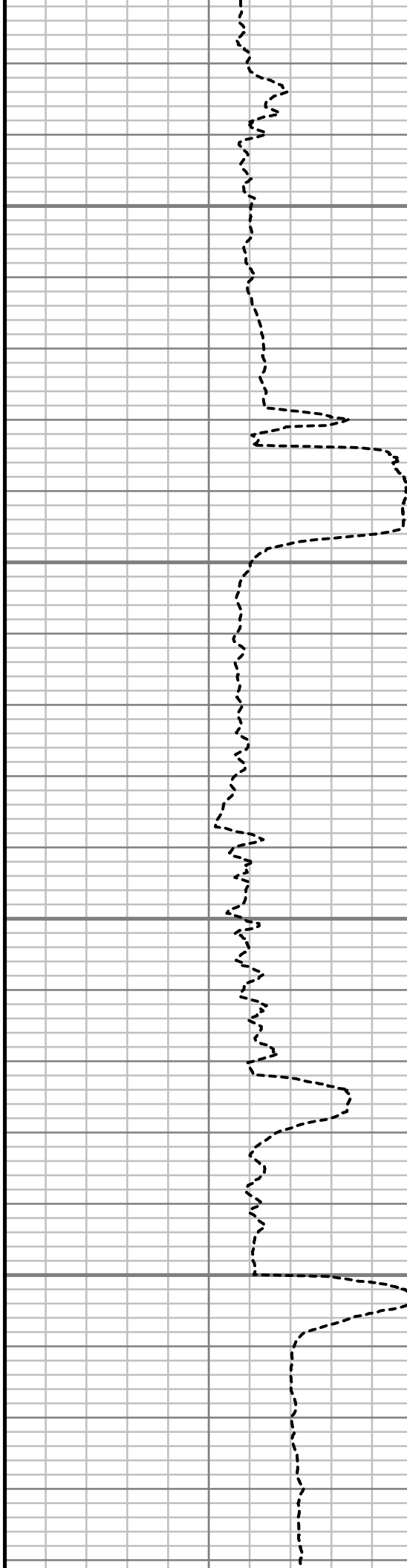


10150

10200

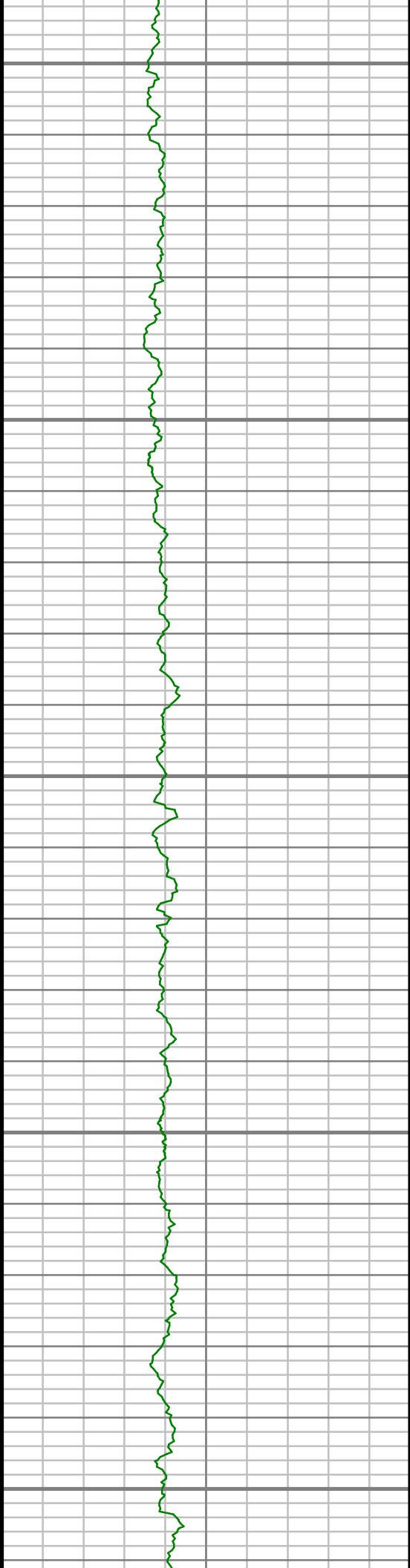
10250

10300



S: 133 MD: 10200.00 ft Inc:
90.98 deg Az: 270.84 deg TVD:
7557.60 ft

S: 134 MD: 10294.00 ft Inc:
90.97 deg Az: 271.08 deg TVD:
7556.00 ft



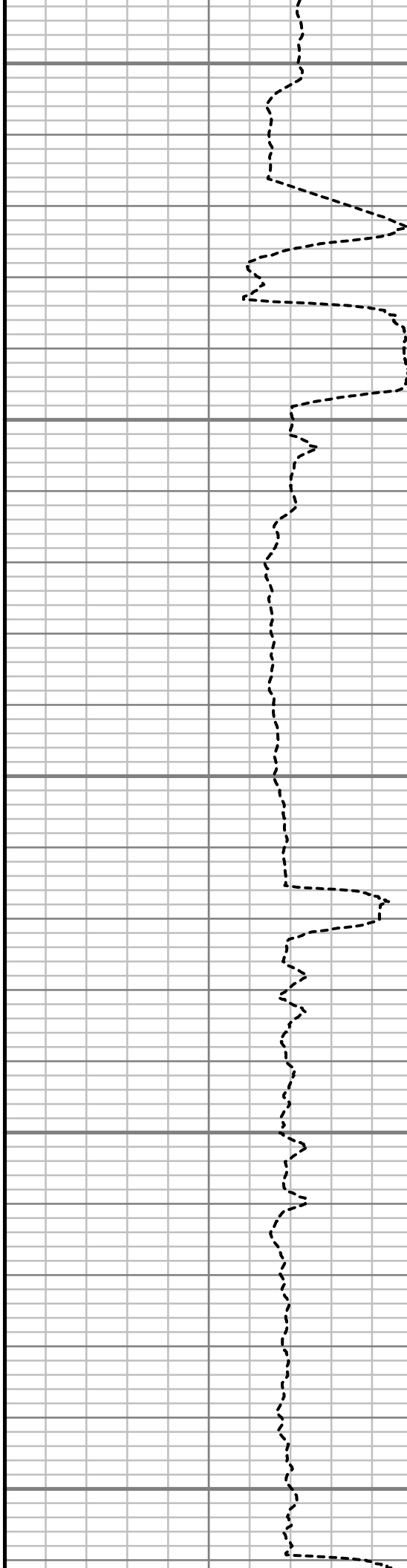
10350

10400

10450

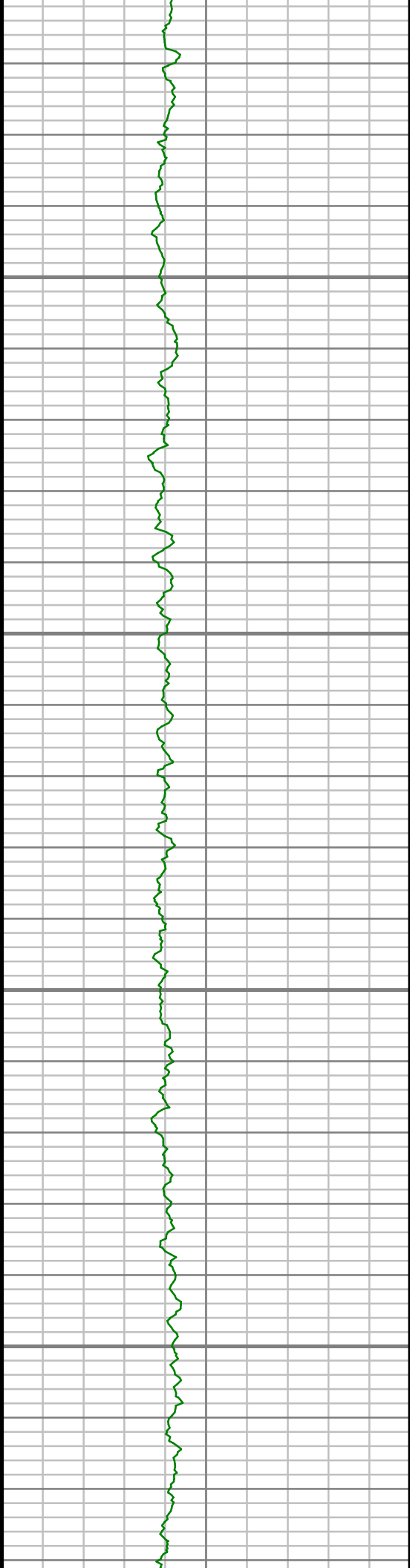
10500

10550



S: 135 MD: 10389.00 ft Inc:
89.87 deg Az: 270.77 deg TVD:
7555.30 ft

S: 136 MD: 10484.00 ft Inc:
89.73 deg Az: 270.78 deg TVD:
7555.64 ft

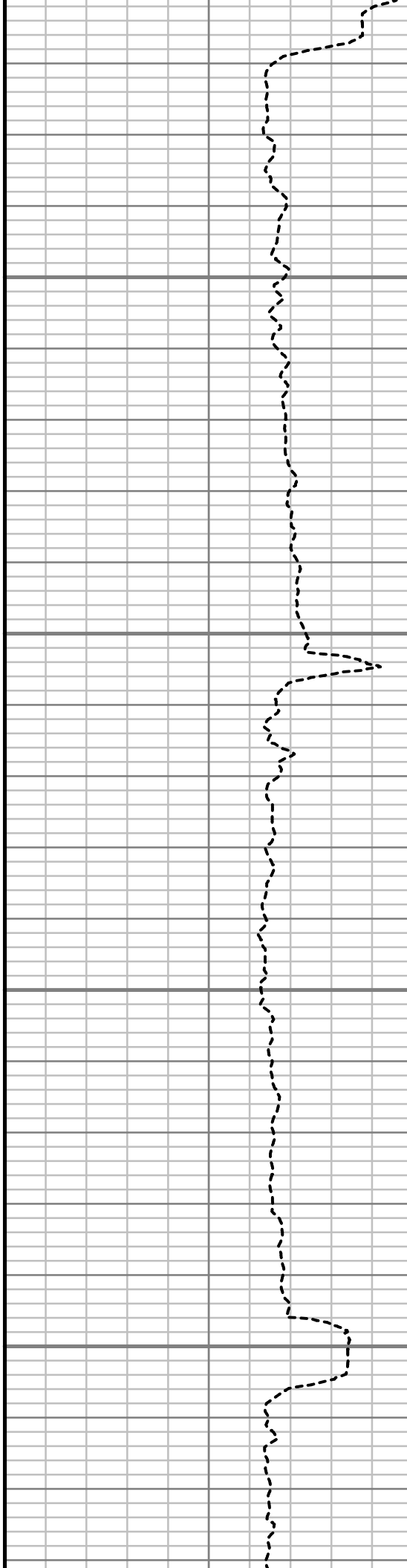


10600

10650

10700

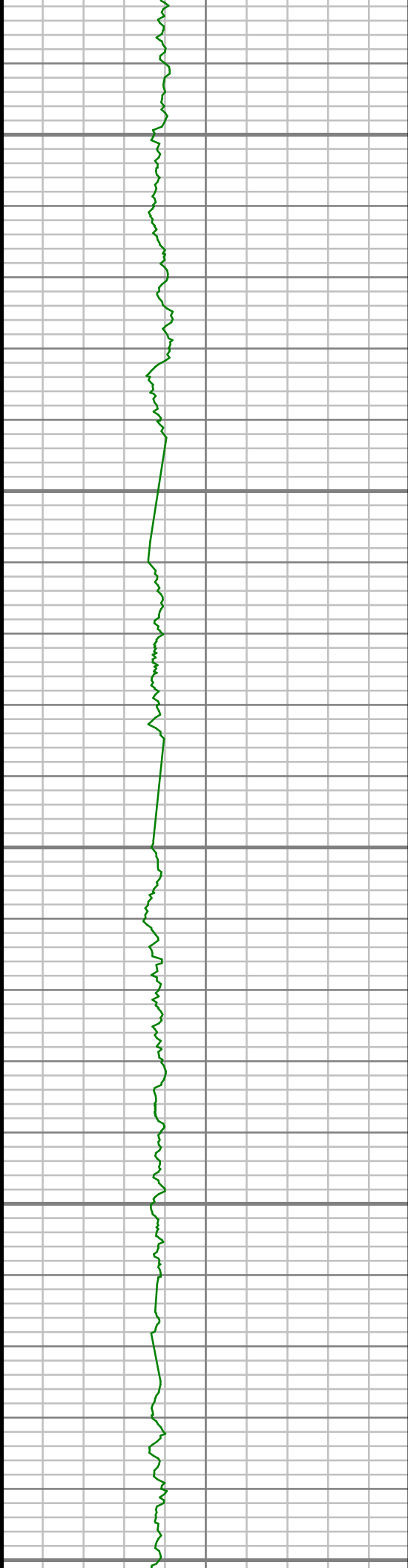
10750



S: 137 MD: 10579.00 ft Inc:
89.83 deg Az: 270.65 deg TVD:
7556.00 ft

S: 138 MD: 10674.00 ft Inc:
89.80 deg Az: 270.45 deg TVD:
7556.31 ft

S: 139 MD: 10769.00 ft Inc:
89.87 deg Az: 270.98 deg TVD:
7556.59 ft



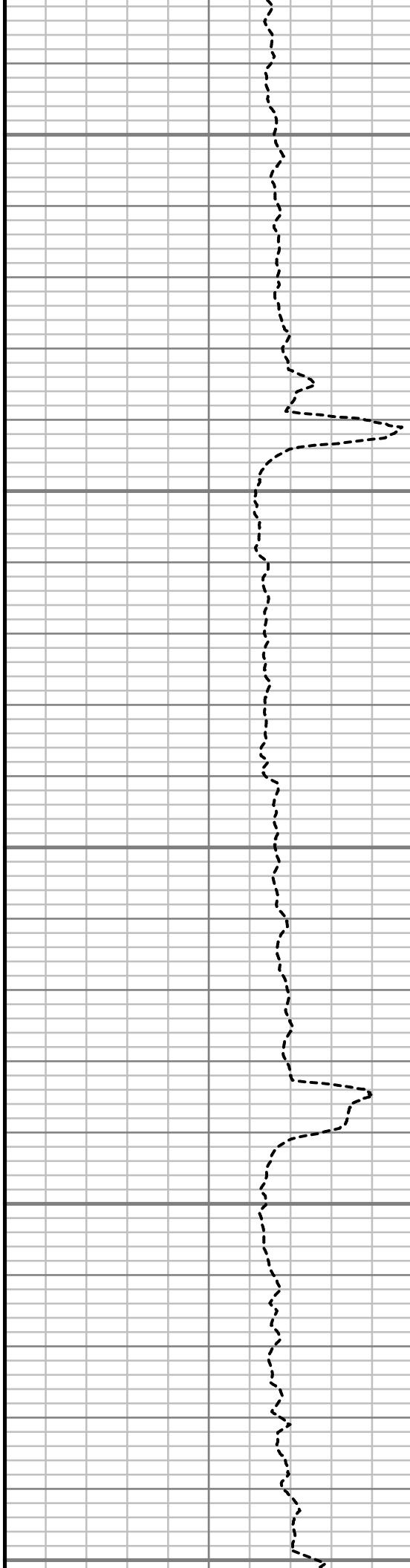
10800

10850

10900

10950

11000



S: 140 MD: 10864.00 ft Inc:
90.00 deg Az: 271.22 deg TVD:
7556.70 ft

S: 141 MD: 10959.00 ft Inc:
90.10 deg Az: 271.07 deg TVD:
7556.61 ft

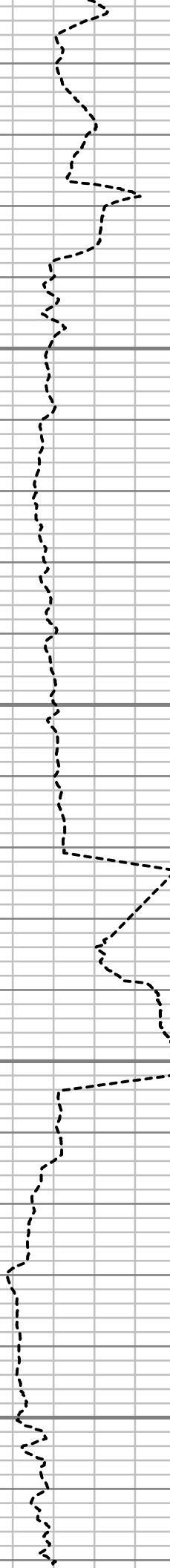


11050

11100

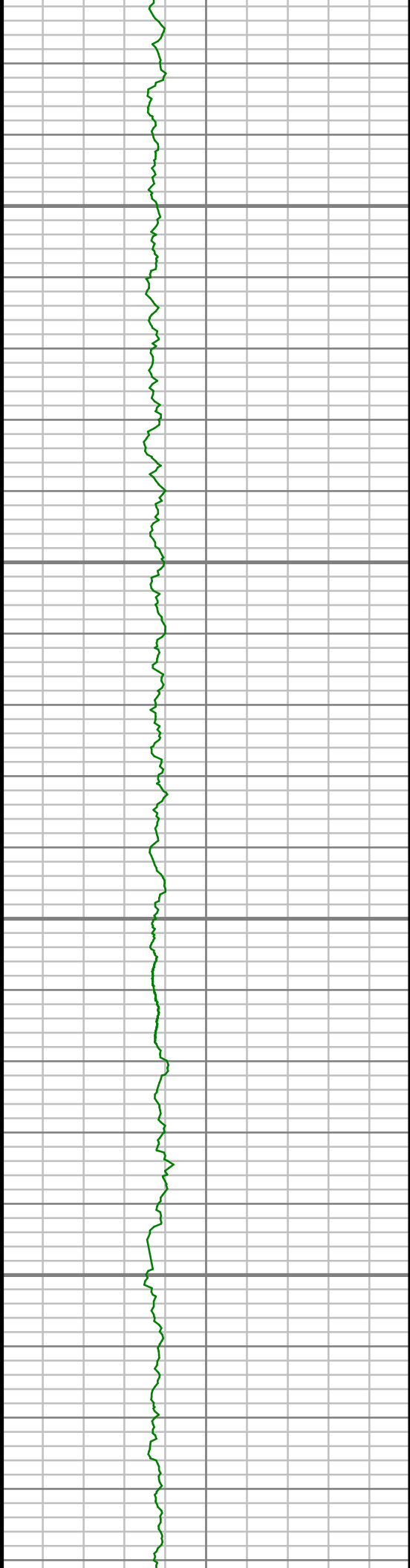
11150

11200



S: 142 MD: 11054.00 ft Inc:
89.26 deg Az: 269.45 deg TVD:
7557.14 ft

S: 143 MD: 11149.00 ft Inc:
89.90 deg Az: 268.98 deg TVD:
7557.84 ft

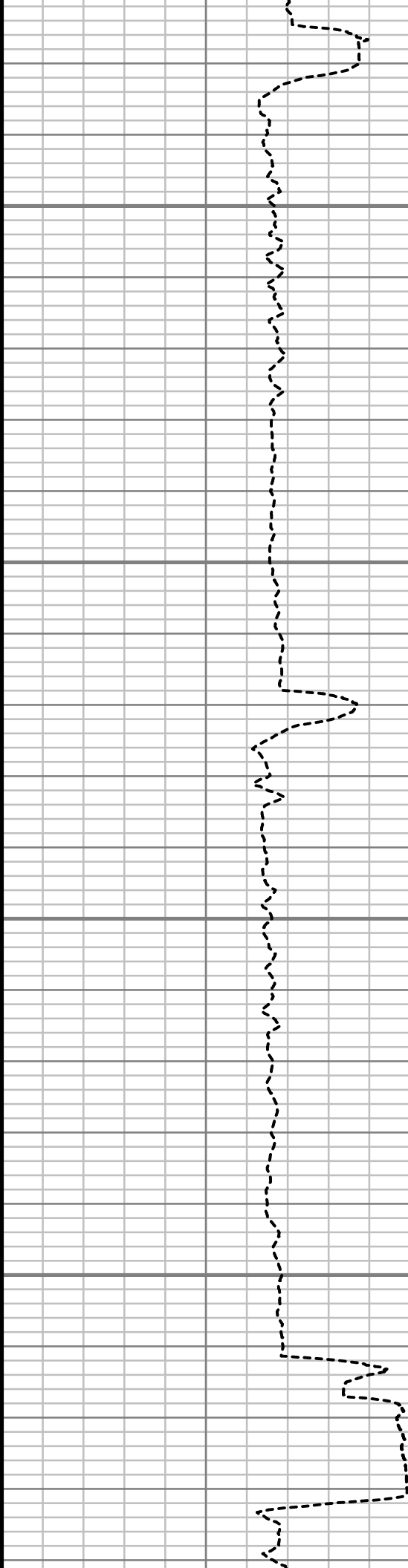


11250

11300

11350

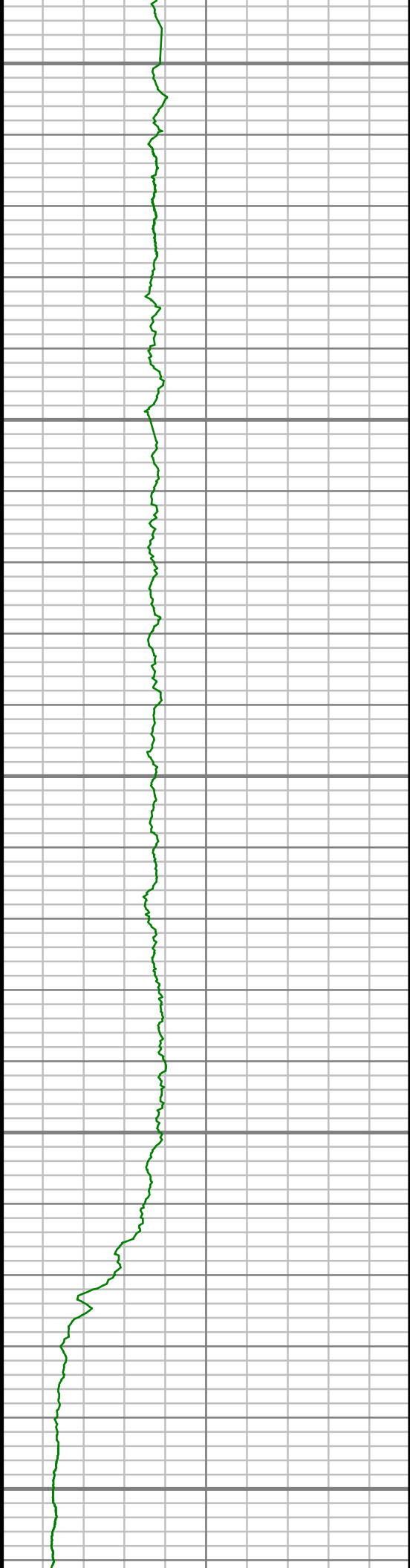
11400



S: 144 MD: 11244.00 ft Inc:
89.66 deg Az: 268.62 deg TVD:
7558.20 ft

S: 145 MD: 11338.00 ft Inc:
89.43 deg Az: 268.22 deg TVD:
7558.94 ft

S: 146 MD: 11433.00 ft Inc:
89.87 deg Az: 268.28 deg TVD:
7559.53 ft



11450

11500

11550

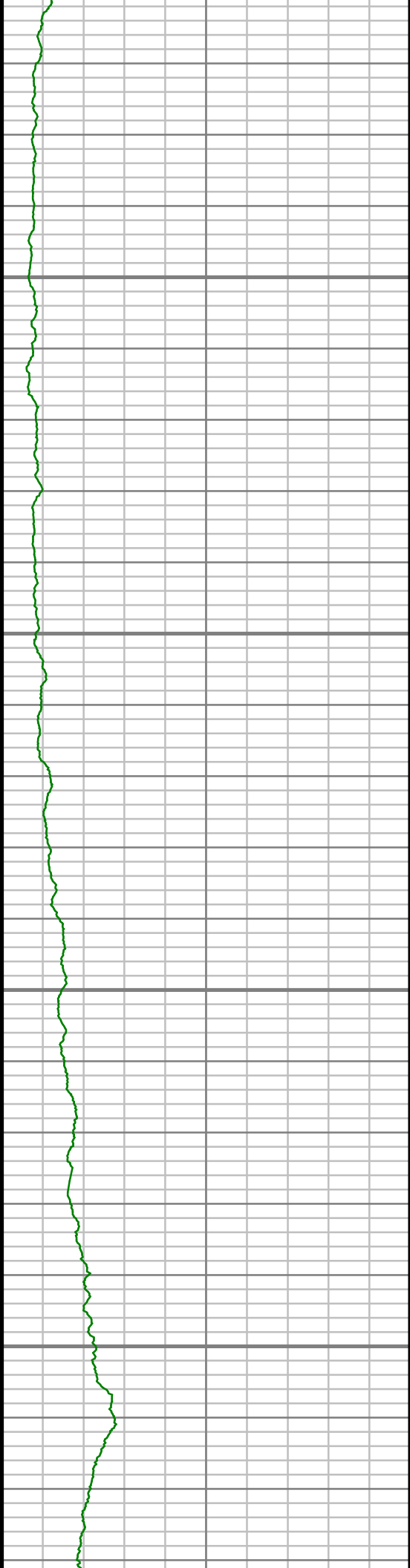
11600

11650



S: 147 MD: 11529.00 ft Inc:
90.74 deg Az: 269.29 deg TVD:
7559.02 ft

S: 148 MD: 11623.00 ft Inc:
90.84 deg Az: 268.48 deg TVD:
7557.73 ft

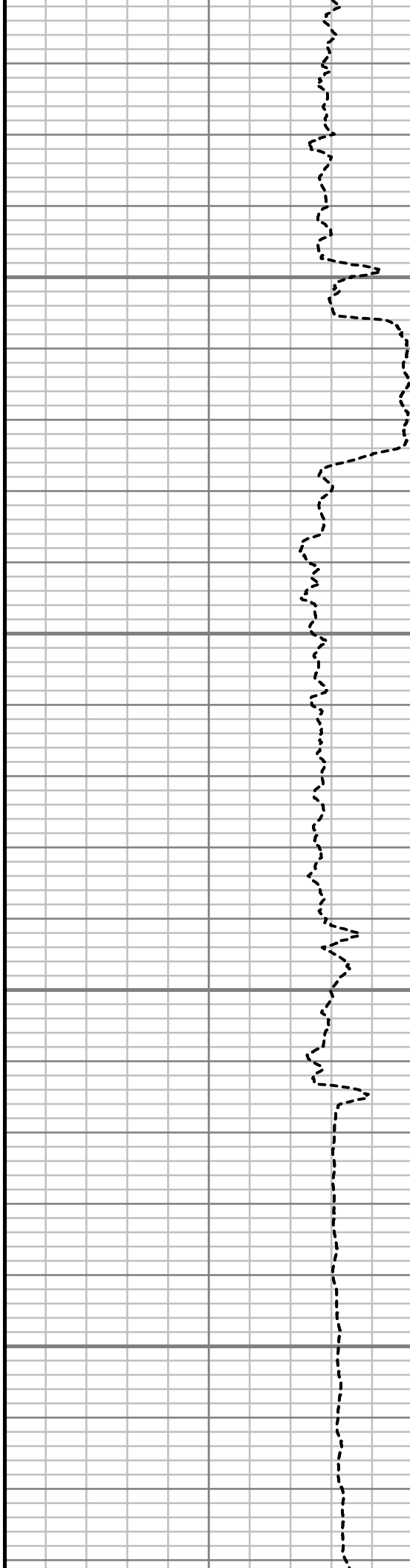


11700

11750

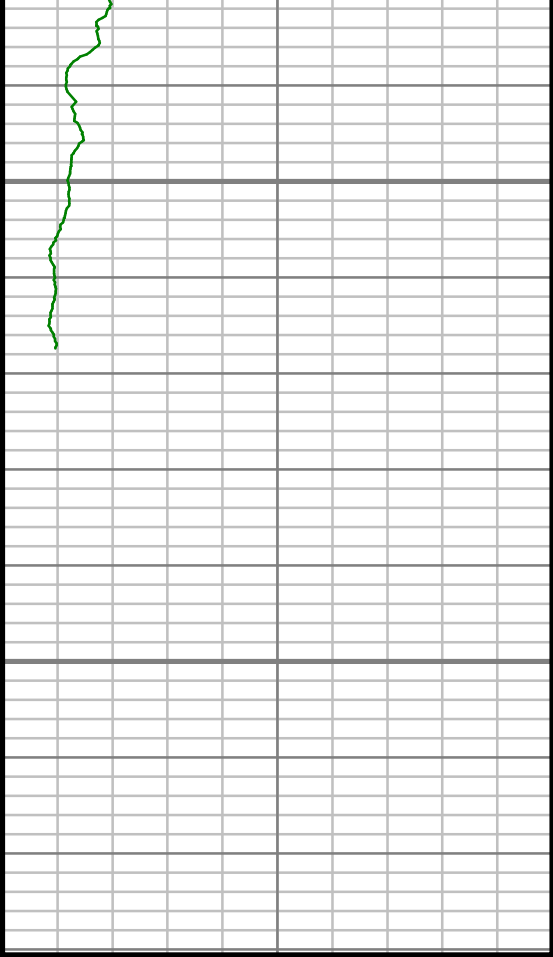
11800

11850



S: 149 MD: 11718.00 ft Inc:
90.74 deg Az: 270.10 deg TVD:
7556.42 ft

S: 150 MD: 11813.00 ft Inc:
91.07 deg Az: 270.23 deg TVD:
7554.92 ft

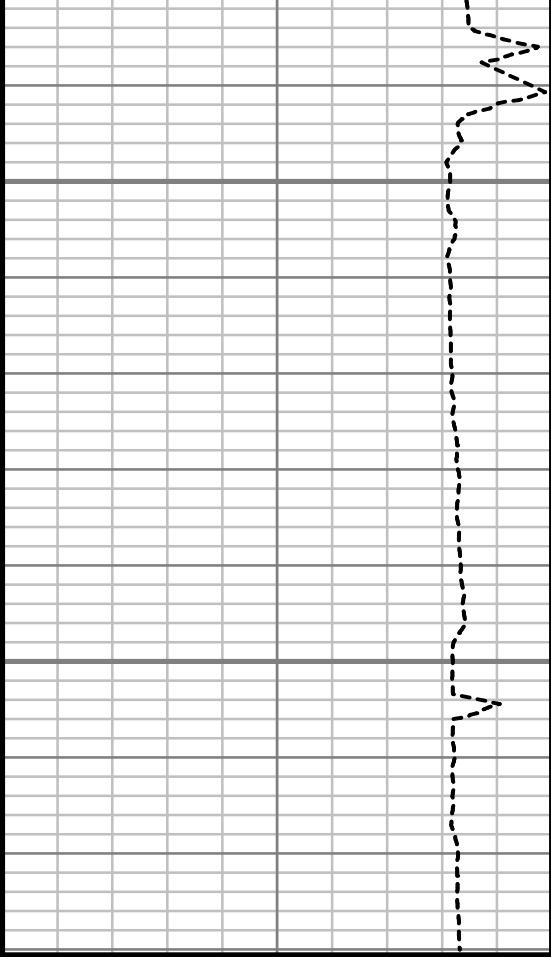


Gamma Ray (GR)		
0	Unit = aapi	150

11900

11950

MEASURED DEPTH
1:240 (ft)



Rate of Penetration (ROP)		
600	Unit = ft/hr	0

S: 151 MD: 11902.00 ft Inc:
91.21 deg Az: 270.54 deg TVD:
7553.15 ft

Comments

Survey Report

Customer Name:	ENCANA OIL AND GAS (USA) INC						
Site Name:	MCCONAHAY						
Well Name:	MCCONAHAY 4C-34H-P266						
Survey:	McCONAHAY 4C-34H-P266						
Survey Date:	1/26/2014						
Magnetic Declination:	8.48 deg						
North Reference:	True North						
Calculation Method:	Minimum Curvature						
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 270.00Azim (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
153.00	0.33	214.14	153.00	0.25	-0.37	-0.25	0.22
246.00	0.88	175.83	245.99	0.35	-1.30	-0.35	0.70
339.00	1.31	128.14	338.98	-0.54	-2.66	0.54	1.04
432.00	2.40	111.84	431.93	-3.18	-4.04	3.18	1.30
525.00	3.63	112.16	524.80	-7.71	-5.88	7.71	1.32
618.00	3.11	102.62	617.64	-12.90	-7.54	12.90	0.82
711.00	3.26	103.42	710.49	-17.93	-8.70	17.93	0.16
803.00	4.42	101.77	802.29	-23.95	-10.03	23.95	1.28

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
896.00	4.58	103.24	895.00	-31.07	-11.61	31.07	0.21
989.00	4.92	104.32	987.68	-38.56	-13.45	38.56	0.38
1082.00	4.84	98.08	1080.34	-46.30	-14.99	46.30	0.58
1175.00	5.22	102.11	1172.99	-54.32	-16.43	54.32	0.56
1311.00	5.16	94.43	1308.43	-66.47	-18.20	66.47	0.51
1373.00	5.85	107.74	1370.15	-72.26	-19.38	72.26	2.33
1466.00	5.65	110.39	1462.68	-81.07	-22.42	81.07	0.35
1559.00	5.61	112.32	1555.23	-89.56	-25.74	89.56	0.21
1652.00	5.55	111.77	1647.79	-97.94	-29.13	97.94	0.08
1745.00	5.47	111.52	1740.36	-106.25	-32.43	106.25	0.09
1838.00	6.17	108.47	1832.88	-115.11	-35.64	115.11	0.82
1931.00	6.41	106.68	1925.32	-124.82	-38.71	124.82	0.34
2026.00	6.19	105.10	2019.75	-134.85	-41.56	134.85	0.30
2121.00	5.78	100.69	2114.23	-144.49	-43.79	144.49	0.64
2215.00	5.37	101.07	2207.78	-153.46	-45.51	153.46	0.45
2310.00	5.18	105.91	2302.38	-161.94	-47.54	161.94	0.51
2405.00	5.21	112.28	2396.99	-170.06	-50.35	170.06	0.61
2500.00	5.56	108.98	2491.57	-178.41	-53.48	178.41	0.50
2594.00	7.15	120.48	2585.00	-187.76	-57.93	187.76	2.16
2689.00	6.46	121.03	2679.33	-197.43	-63.69	197.43	0.73

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
2784.00	4.65	118.82	2773.88	-205.39	-68.30	205.39	1.91
2879.00	5.20	111.20	2868.53	-212.78	-71.71	212.78	0.90
2974.00	6.47	112.04	2963.03	-221.76	-75.28	221.76	1.34
3068.00	7.69	105.19	3056.31	-232.74	-78.92	232.74	1.58
3163.00	7.55	99.74	3150.48	-245.03	-81.64	245.03	0.77
3258.00	6.51	97.12	3244.76	-256.53	-83.36	256.53	1.15
3353.00	5.32	94.17	3339.25	-266.26	-84.35	266.26	1.29
3448.00	5.60	100.69	3433.82	-275.21	-85.53	275.21	0.72
3542.00	5.63	115.07	3527.38	-283.89	-88.34	283.89	1.49
3638.00	5.98	108.82	3622.88	-292.89	-91.94	292.89	0.76
3733.00	5.49	98.20	3717.41	-302.08	-94.19	302.08	1.23
3828.00	6.24	103.58	3811.91	-311.60	-96.05	311.60	0.97
3922.00	5.27	104.94	3905.44	-320.73	-98.36	320.73	1.04
4017.00	5.38	98.30	4000.03	-329.35	-100.13	329.35	0.66
4112.00	6.43	103.83	4094.53	-338.92	-102.04	338.92	1.25
4207.00	6.00	102.49	4188.97	-348.93	-104.39	348.93	0.47
4302.00	4.88	100.83	4283.54	-357.75	-106.22	357.75	1.19
4397.00	5.86	95.27	4378.12	-366.55	-107.43	366.55	1.16
4492.00	6.65	101.72	4472.56	-376.77	-108.99	376.77	1.11

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
4587.00	5.32	99.67	4567.04	-386.49	-110.85	386.49	1.42
4682.00	5.45	99.35	4661.62	-395.28	-112.32	395.28	0.14
4777.00	6.49	103.11	4756.10	-404.96	-114.27	404.96	1.17
4872.00	7.65	107.60	4850.38	-416.21	-117.40	416.21	1.35
4967.00	7.87	110.00	4944.51	-428.35	-121.54	428.35	0.41
5061.00	6.89	108.19	5037.73	-439.76	-125.50	439.76	1.07
5157.00	5.86	102.74	5133.13	-450.02	-128.38	450.02	1.25
5251.00	6.35	96.53	5226.60	-459.85	-130.03	459.85	0.87
5346.00	7.08	106.70	5320.95	-470.67	-132.31	470.67	1.46
5441.00	6.96	106.49	5415.24	-481.80	-135.62	481.80	0.13
5536.00	5.99	103.12	5509.64	-492.14	-138.38	492.14	1.09
5631.00	5.30	106.26	5604.17	-501.18	-140.73	501.18	0.80
5726.00	5.50	111.07	5698.75	-509.65	-143.60	509.65	0.52
5821.00	6.65	106.03	5793.22	-519.18	-146.76	519.18	1.34
5916.00	6.04	100.12	5887.64	-529.39	-149.15	529.39	0.95
6011.00	5.93	106.68	5982.12	-539.01	-151.44	539.01	0.73
6106.00	5.10	113.93	6076.68	-547.56	-154.56	547.56	1.14
6201.00	5.05	110.82	6171.31	-555.33	-157.76	555.33	0.30
6295.00	5.27	107.40	6264.93	-563.31	-160.52	563.31	0.40
6390.00	5.31	110.10	6359.53	-571.60	-163.33	571.60	0.26

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
6485.00	5.52	99.72	6454.10	-580.22	-165.61	580.22	1.05
6580.00	5.85	106.81	6548.64	-589.36	-167.78	589.36	0.82
6675.00	5.19	110.70	6643.20	-598.01	-170.70	598.01	0.80
6707.00	4.83	116.72	6675.08	-600.57	-171.82	600.57	1.98
6738.00	4.58	115.41	6705.97	-602.85	-172.94	602.85	0.89
6770.00	4.31	126.68	6737.88	-604.97	-174.21	604.97	2.85
6801.00	4.58	160.38	6768.79	-606.33	-176.07	606.33	8.35
6833.00	6.19	180.80	6800.65	-606.73	-179.00	606.73	7.76
6864.00	7.99	195.32	6831.41	-606.14	-182.75	606.14	8.14
6896.00	9.12	214.32	6863.06	-604.12	-186.99	604.12	9.46
6928.00	10.61	237.03	6894.60	-600.22	-190.69	600.22	12.91
6959.00	12.35	252.89	6924.99	-594.65	-193.21	594.65	11.58
6991.00	13.97	257.19	6956.15	-587.62	-195.08	587.62	5.91
7023.00	15.32	256.46	6987.11	-579.74	-196.92	579.74	4.26
7054.00	17.88	256.42	7016.81	-571.13	-199.00	571.13	8.26
7085.00	21.39	258.06	7046.00	-560.97	-201.29	560.97	11.46
7117.00	25.18	257.35	7075.39	-548.62	-203.99	548.62	11.88
7149.00	28.15	257.95	7103.99	-534.59	-207.05	534.59	9.32
7181.00	30.43	259.91	7131.89	-519.23	-210.05	519.23	7.73

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
7212.00	32.38	263.00	7158.35	-503.25	-212.44	503.25	8.16
7244.00	34.17	265.66	7185.11	-485.79	-214.16	485.79	7.22
7275.00	36.00	266.27	7210.47	-468.01	-215.41	468.01	6.01
7307.00	37.99	265.80	7236.03	-448.80	-216.75	448.80	6.28
7338.00	41.09	266.77	7259.93	-429.11	-218.02	429.11	10.20
7370.00	43.48	267.85	7283.61	-407.61	-219.03	407.61	7.81
7402.00	45.53	268.48	7306.43	-385.19	-219.74	385.19	6.55
7433.00	47.07	269.81	7327.84	-362.78	-220.07	362.78	5.86
7465.00	48.68	271.77	7349.31	-339.05	-219.74	339.05	6.78
7497.00	49.46	272.21	7370.27	-314.89	-218.90	314.89	2.65
7528.00	50.35	272.97	7390.24	-291.20	-217.83	291.20	3.43
7560.00	52.90	273.05	7410.10	-266.15	-216.51	266.15	7.97
7591.00	56.51	272.04	7428.01	-240.88	-215.39	240.88	11.94
7623.00	58.61	271.57	7445.18	-213.89	-214.54	213.89	6.68
7655.00	60.89	271.20	7461.30	-186.26	-213.88	186.26	7.19
7686.00	63.84	270.44	7475.67	-158.80	-213.49	158.80	9.76
7718.00	65.96	270.02	7489.25	-129.82	-213.37	129.82	6.73
7749.00	67.68	268.62	7501.45	-101.33	-213.71	101.33	6.93
7781.00	70.37	273.21	7512.91	-71.47	-213.22	71.47	15.82
7813.00	73.57	273.14	7522.81	-41.09	-211.54	41.09	10.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
7844.00	76.15	272.30	7530.90	-11.20	-210.12	11.20	8.73
7876.00	78.40	272.50	7537.95	19.98	-208.81	-19.98	7.04
7911.00	82.62	273.03	7543.72	54.46	-207.14	-54.46	12.16
8017.00	87.58	271.07	7552.77	159.96	-203.37	-159.96	5.03
8111.00	89.26	272.38	7555.36	253.88	-200.53	-253.88	2.26
8206.00	89.63	273.15	7556.28	348.76	-195.95	-348.76	0.89
8301.00	90.30	273.87	7556.33	443.59	-190.14	-443.59	1.04
8396.00	89.63	272.45	7556.39	538.44	-184.90	-538.44	1.65
8491.00	89.26	272.95	7557.31	633.33	-180.42	-633.33	0.66
8586.00	88.59	271.76	7559.09	728.23	-176.52	-728.23	1.44
8681.00	89.33	272.00	7560.82	823.16	-173.40	-823.16	0.82
8776.00	90.37	273.55	7561.07	918.04	-168.80	-918.04	1.96
8871.00	89.46	270.67	7561.21	1012.97	-165.31	-1012.97	3.18
8965.00	89.26	270.10	7562.26	1106.96	-164.68	-1106.96	0.65
9061.00	89.43	269.67	7563.35	1202.95	-164.87	-1202.95	0.48
9156.00	90.64	270.63	7563.30	1297.95	-164.62	-1297.95	1.62
9251.00	89.56	269.25	7563.13	1392.95	-164.72	-1392.95	1.84
9346.00	88.69	267.94	7564.58	1487.90	-167.05	-1487.90	1.66
9440.00	88.42	267.11	7566.95	1581.79	-171.10	-1581.79	0.93

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS 7100ft
9535.00	88.99	269.06	7569.09	1676.70	-174.27	-1676.70	2.14
9630.00	89.16	268.91	7570.63	1771.68	-175.95	-1771.68	0.24
9725.00	90.44	267.66	7570.96	1866.63	-178.79	-1866.63	1.88
9820.00	91.55	267.22	7569.32	1961.52	-183.03	-1961.52	1.25
9915.00	91.88	268.77	7566.48	2056.42	-186.35	-2056.42	1.66
10010.00	91.88	269.73	7563.36	2151.36	-187.59	-2151.36	1.01
10105.00	92.05	269.73	7560.11	2246.30	-188.04	-2246.30	0.18
10200.00	90.98	270.84	7557.60	2341.26	-187.57	-2341.26	1.62
10294.00	90.97	271.08	7556.00	2435.23	-185.99	-2435.23	0.26
10389.00	89.87	270.77	7555.30	2530.22	-184.46	-2530.22	1.21
10484.00	89.73	270.78	7555.64	2625.21	-183.17	-2625.21	0.14
10579.00	89.83	270.65	7556.00	2720.20	-181.99	-2720.20	0.17
10674.00	89.80	270.45	7556.31	2815.20	-181.08	-2815.20	0.22
10769.00	89.87	270.98	7556.59	2910.19	-179.89	-2910.19	0.56
10864.00	90.00	271.22	7556.70	3005.17	-178.07	-3005.17	0.29
10959.00	90.10	271.07	7556.61	3100.15	-176.18	-3100.15	0.19
11054.00	89.26	269.45	7557.14	3195.14	-175.74	-3195.14	1.92
11149.00	89.90	268.98	7557.84	3290.13	-177.04	-3290.13	0.84
11244.00	89.66	268.62	7558.20	3385.11	-179.03	-3385.11	0.46
11338.00	89.43	268.22	7558.94	3479.07	-181.63	-3479.07	0.49

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	7100ft
11433.00	89.87	268.28	7559.53	3574.02	-184.53	-3574.02	0.46
11529.00	90.74	269.29	7559.02	3670.00	-186.57	-3670.00	1.39
11623.00	90.84	268.48	7557.73	3763.97	-188.40	-3763.97	0.87
11718.00	90.74	270.10	7556.42	3858.95	-189.58	-3858.95	1.71
11813.00	91.07	270.23	7554.92	3953.94	-189.31	-3953.94	0.38
11902.00	91.21	270.54	7553.15	4042.92	-188.71	-4042.92	0.38

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

5" = 100' FEET MD