

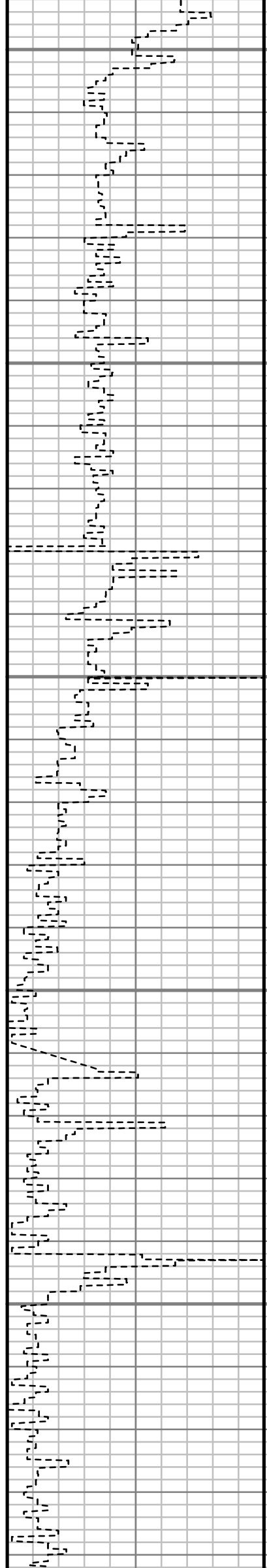
1350

1400

1450

1500

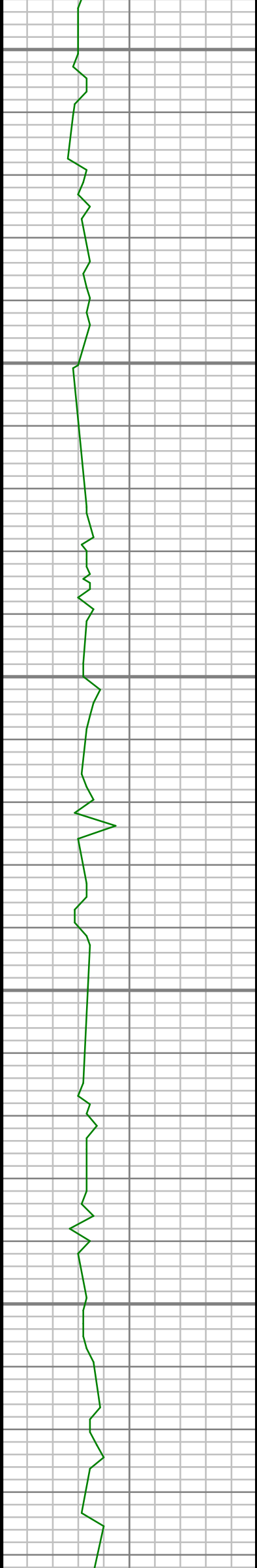
1550



S: 14 MD: 1363.00 ft
Inc: 1.31 deg Az:
259.00 deg TVD:
1362.97 ft

S: 15 MD: 1455.00 ft
Inc: 3.04 deg Az:
227.70 deg TVD:
1454.91 ft

S: 16 MD: 1547.00 ft
Inc: 4.05 deg Az:
224.71 deg TVD:
1546.73 ft



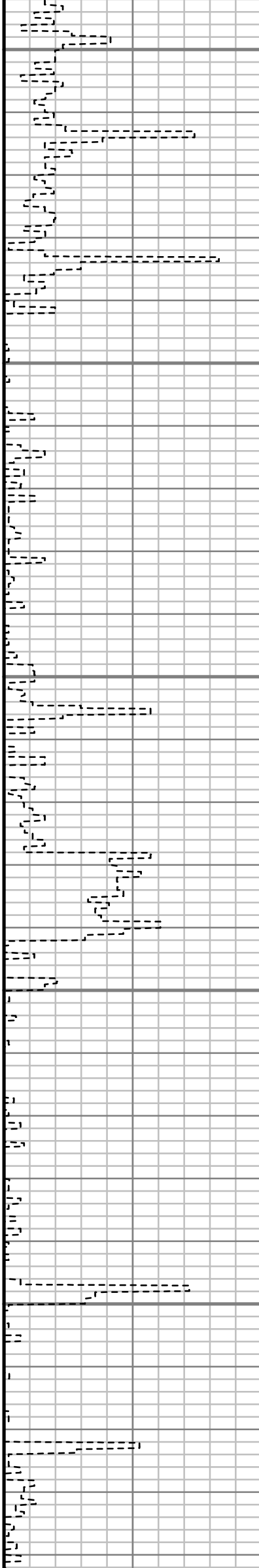
1600

1650

1700

1750

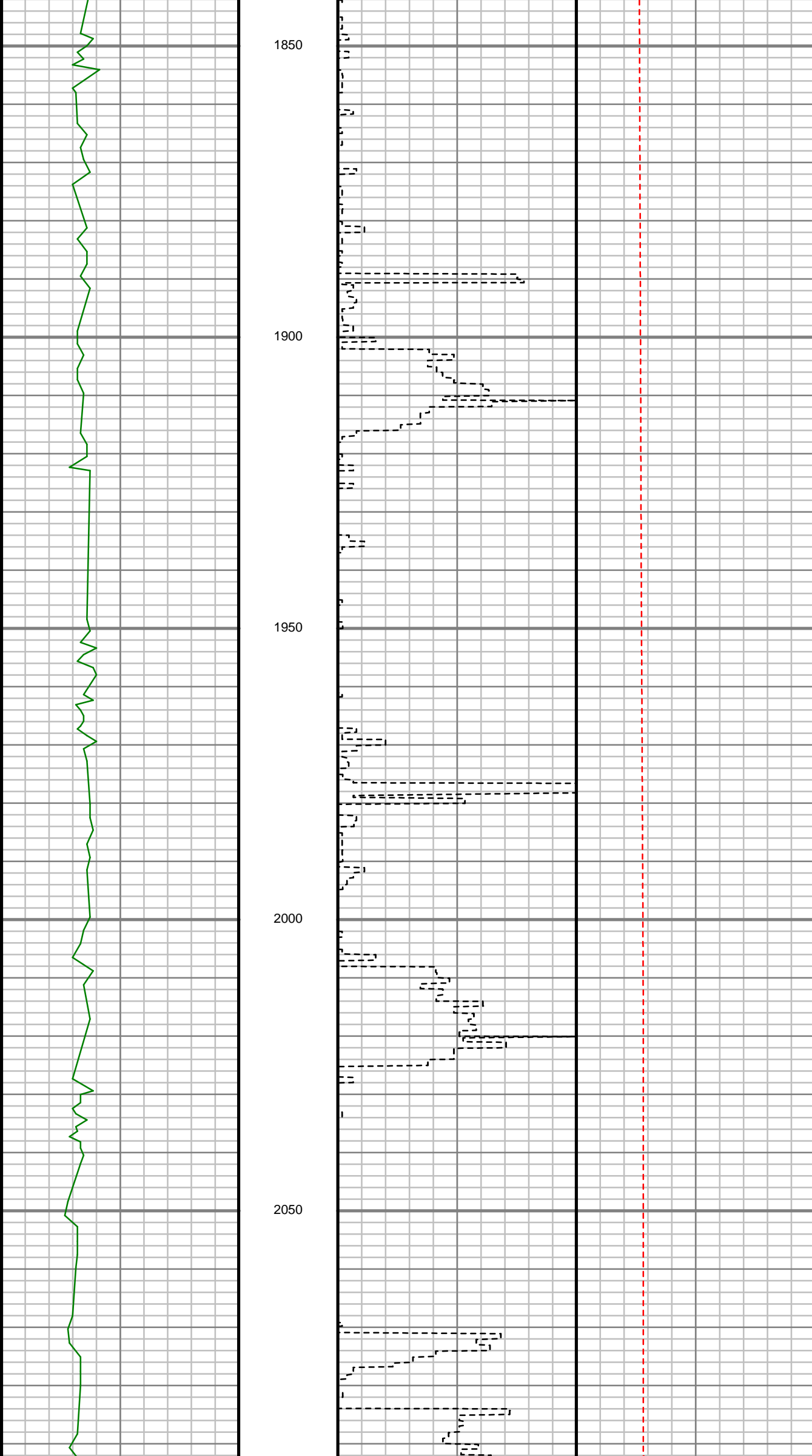
1800



S: 17 MD: 1638.00 ft
Inc: 4.06 deg Az:
225.74 deg TVD:
1637.50 ft

S: 18 MD: 1730.00 ft
Inc: 4.73 deg Az:
225.89 deg TVD:
1729.23 ft

S: 19 MD: 1821.00 ft
Inc: 6.05 deg Az:
227.01 deg TVD:
1819.82 ft



1850

1900

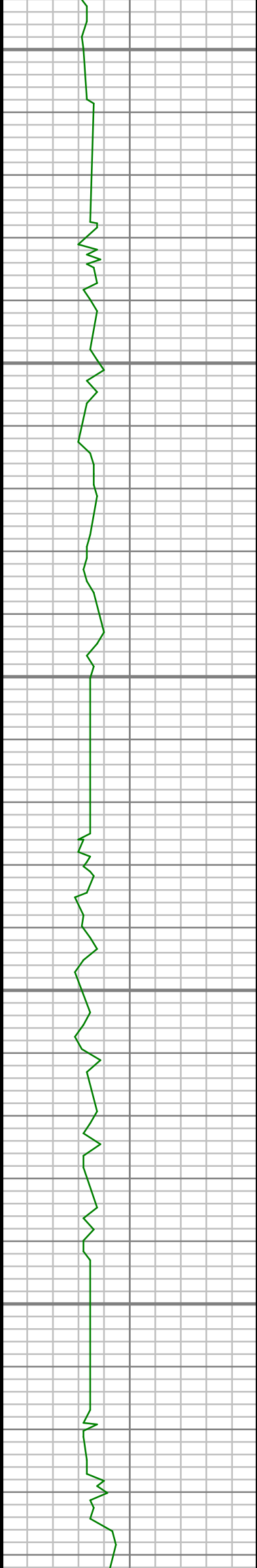
1950

2000

2050

S: 20 MD: 1913.00 ft
Inc: 7.00 deg Az:
224.25 deg TVD:
1911.23 ft

S: 21 MD: 2005.00 ft
Inc: 7.35 deg Az:
216.99 deg TVD:
2002.51 ft



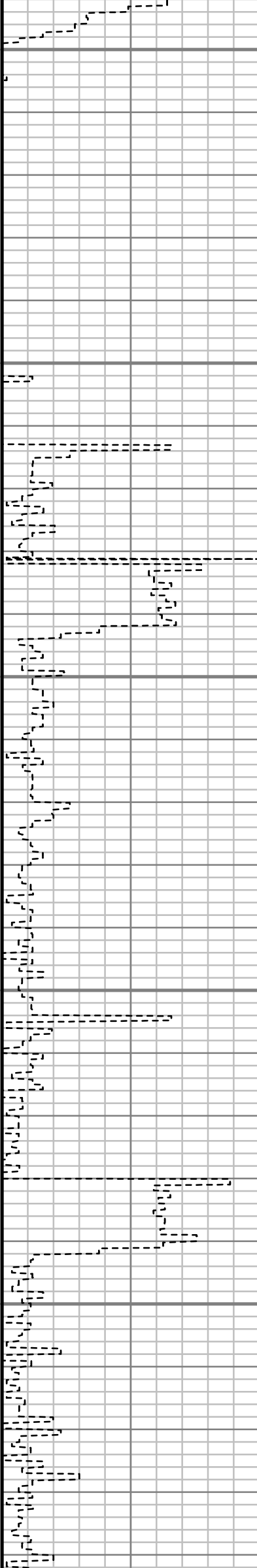
2100

2150

2200

2250

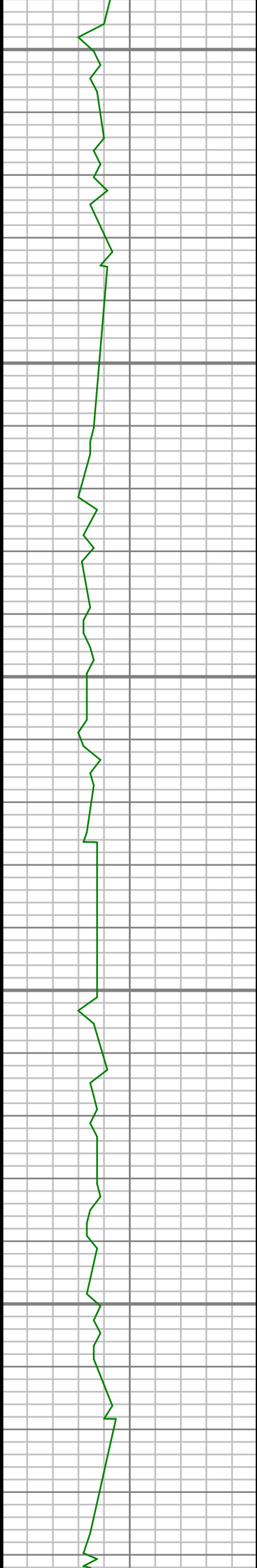
2300



S: 22 MD: 2096.00 ft
Inc: 10.02 deg Az:
218.32 deg TVD:
2092.46 ft

S: 23 MD: 2188.00 ft
Inc: 10.76 deg Az:
218.93 deg TVD:
2182.95 ft

S: 24 MD: 2280.00 ft
Inc: 10.86 deg Az:
218.58 deg TVD:
2273.32 ft



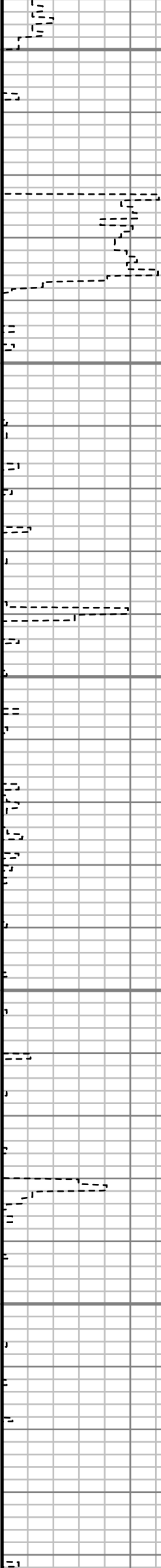
2350

2400

2450

2500

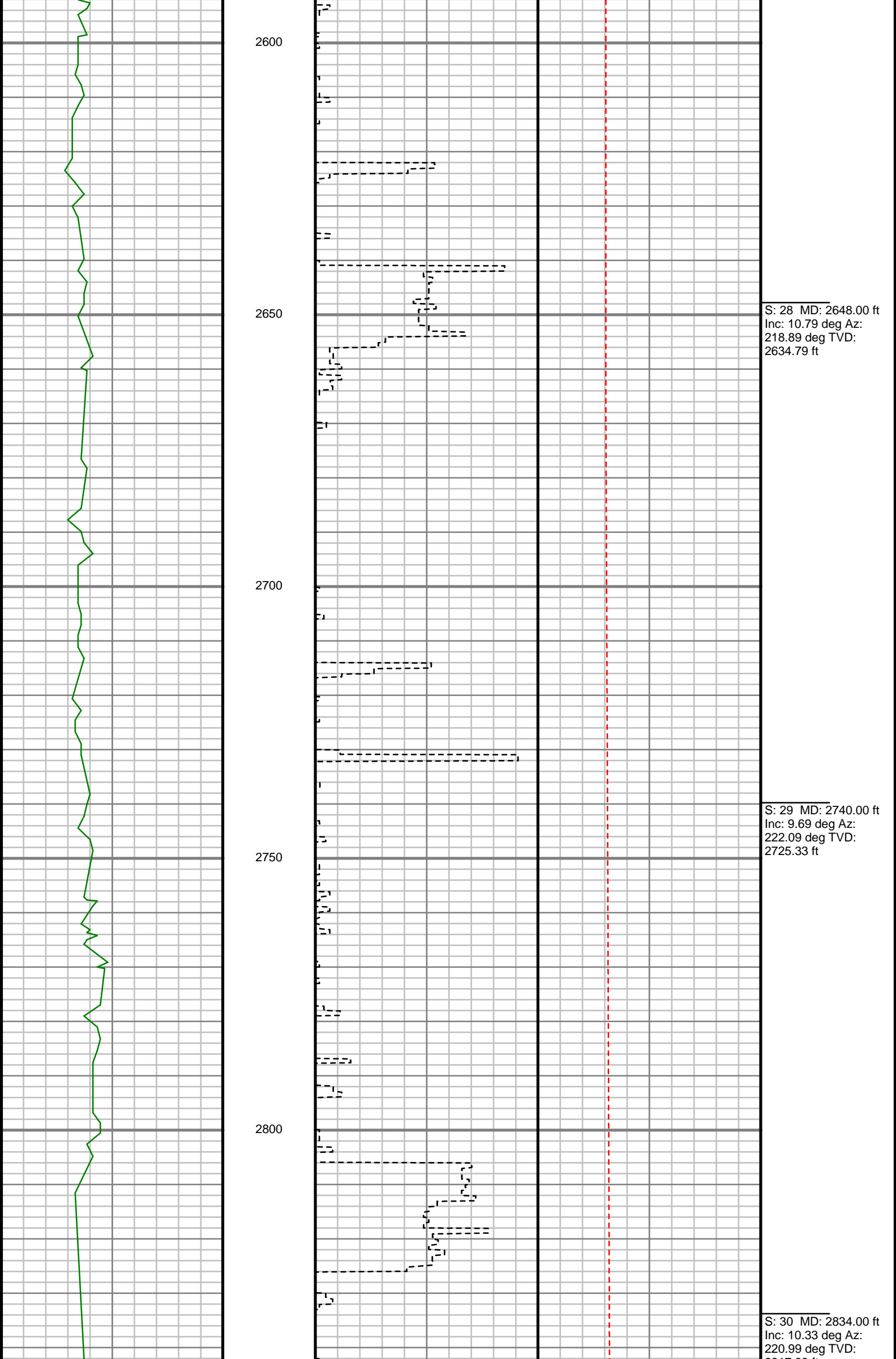
2550

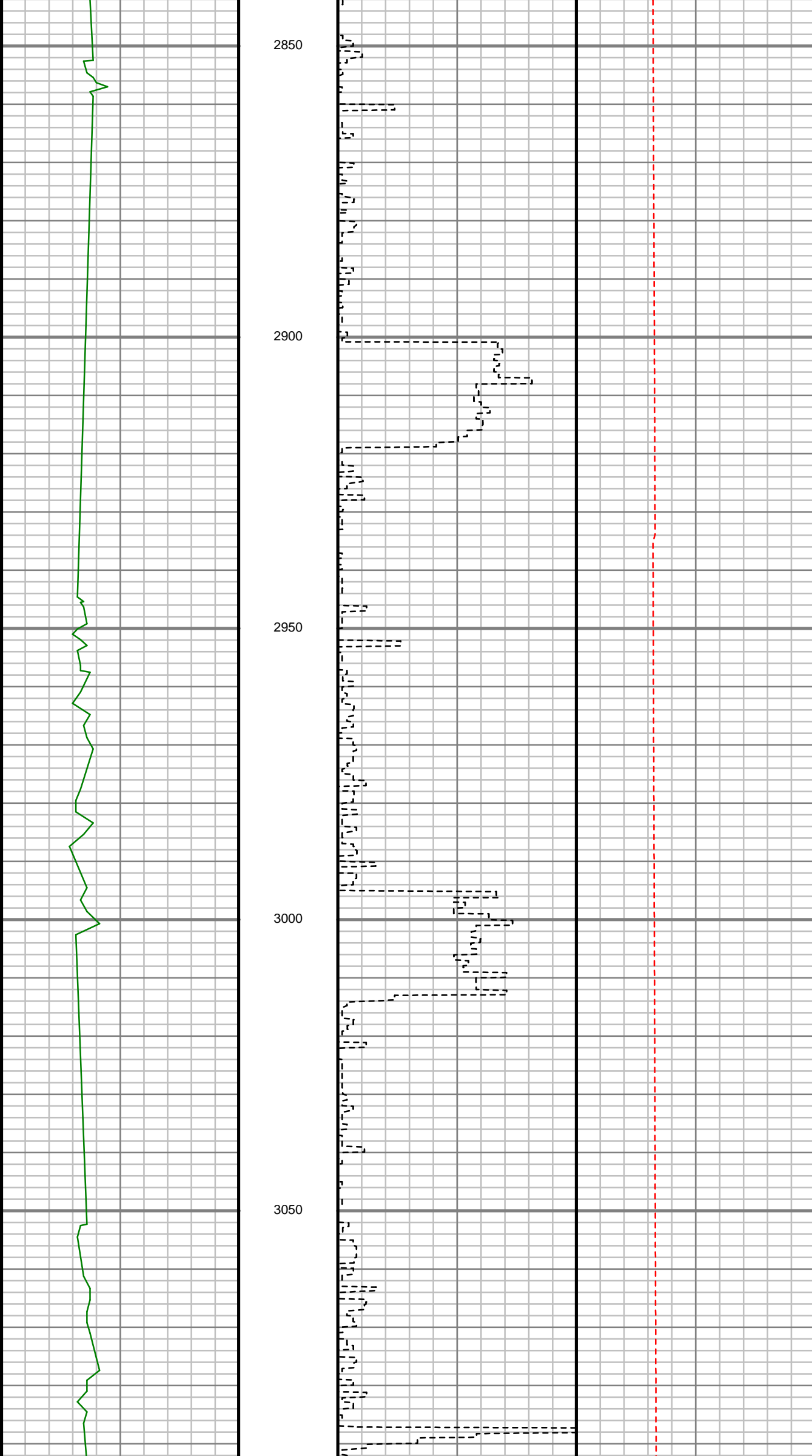


S: 25 MD: 2372.00 ft
Inc: 10.56 deg Az:
219.92 deg TVD:
2363.72 ft

S: 26 MD: 2464.00 ft
Inc: 11.42 deg Az:
220.04 deg TVD:
2454.03 ft

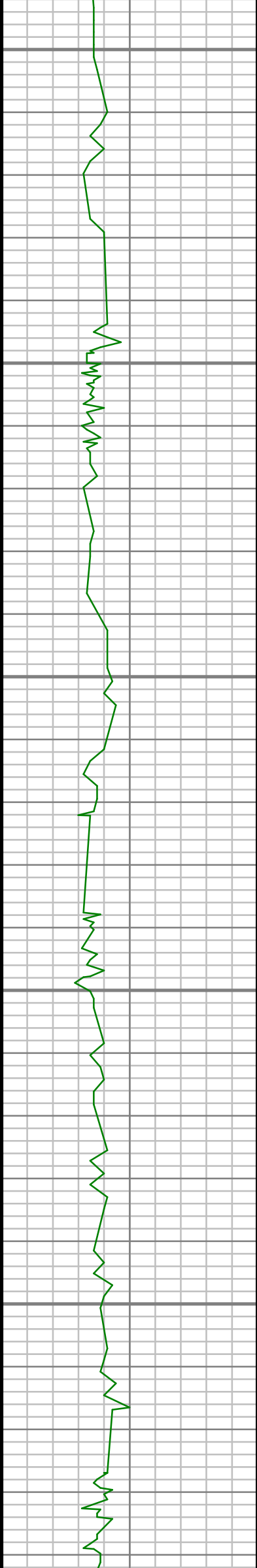
S: 27 MD: 2556.00 ft
Inc: 10.42 deg Az:
217.28 deg TVD:
2544.36 ft





S: 31 MD: 2928.00 ft
Inc: 10.06 deg Az:
222.38 deg TVD:
2910.41 ft

S: 32 MD: 3022.00 ft
Inc: 11.47 deg Az:
220.20 deg TVD:
3002.75 ft



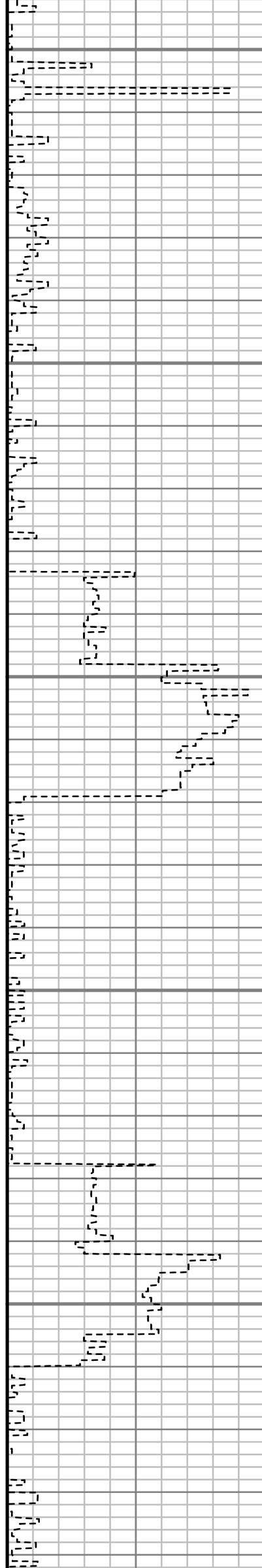
3100

3150

3200

3250

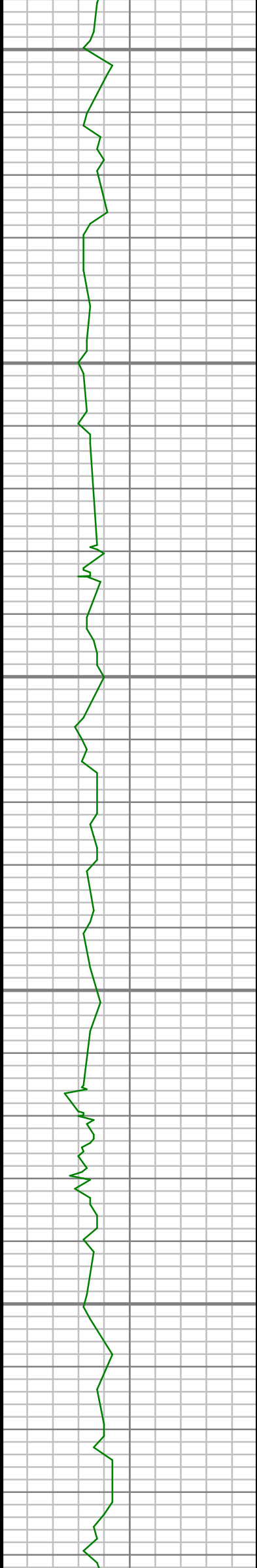
3300



S: 33 MD: 3117.00 ft
Inc: 10.27 deg Az:
220.60 deg TVD:
3096.05 ft

S: 34 MD: 3211.00 ft
Inc: 9.79 deg Az:
217.13 deg TVD:
3188.61 ft

S: 35 MD: 3306.00 ft
Inc: 10.50 deg Az:
223.53 deg TVD:
3282.13 ft



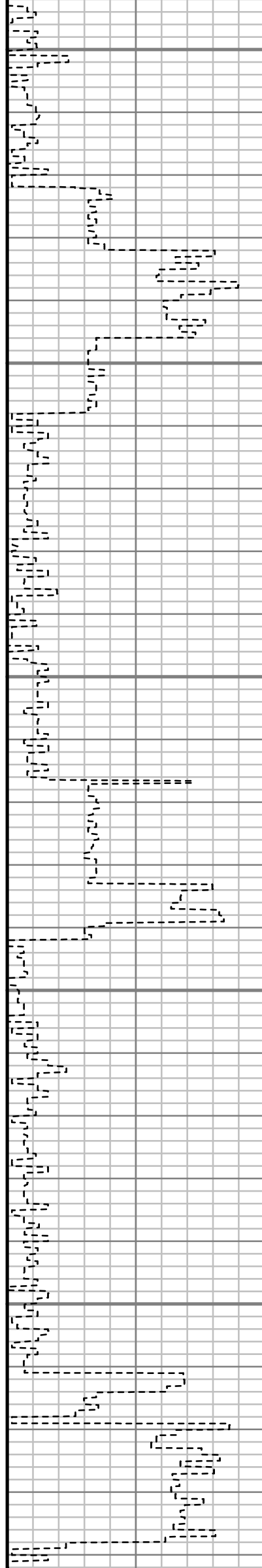
3350

3400

3450

3500

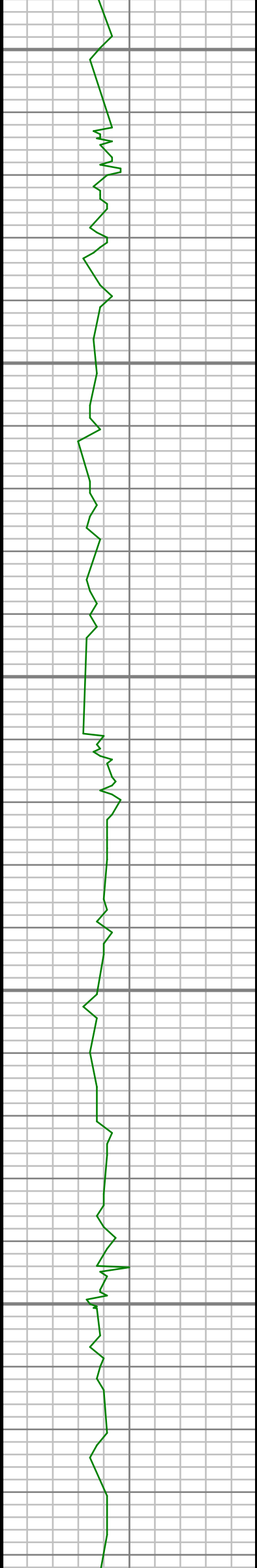
3550



S: 36 MD: 3400.00 ft
Inc: 10.75 deg Az:
221.87 deg TVD:
3374.52 ft

S: 37 MD: 3495.00 ft
Inc: 9.88 deg Az:
222.24 deg TVD:
3467.98 ft

S: 38 MD: 3589.00 ft



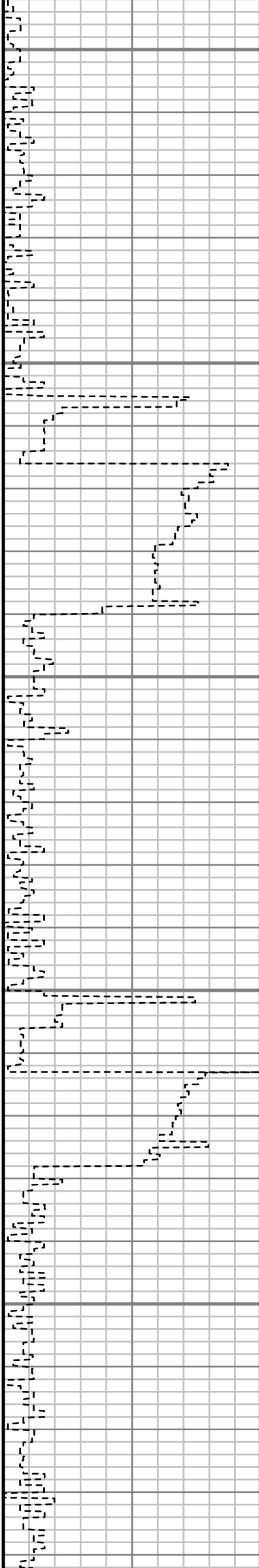
3600

3650

3700

3750

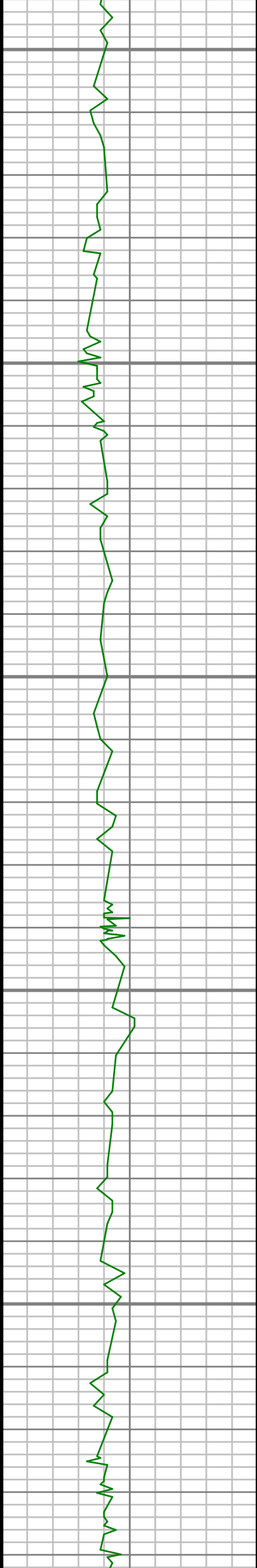
3800



Inc: 8.91 deg Az:
218.47 deg TVD:
3560.72 ft

S: 39 MD: 3684.00 ft
Inc: 10.69 deg Az:
224.09 deg TVD:
3654.33 ft

S: 40 MD: 3778.00 ft
Inc: 11.54 deg Az:
224.50 deg TVD:
3746.57 ft



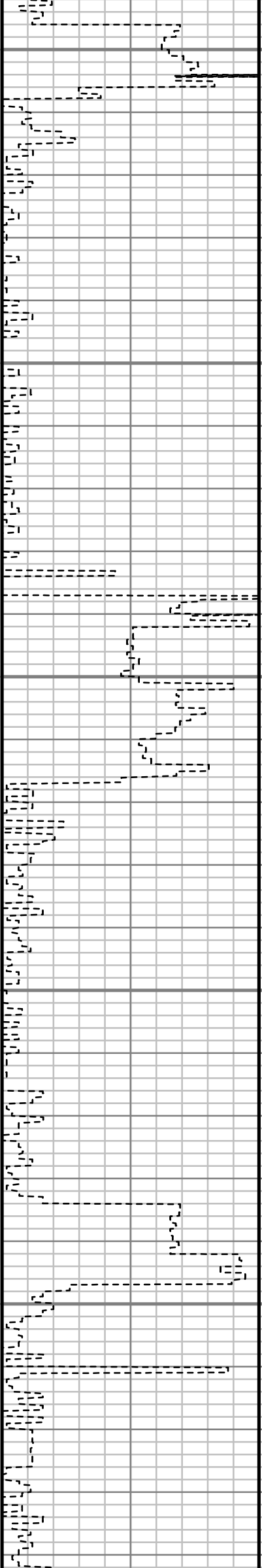
3850

3900

3950

4000

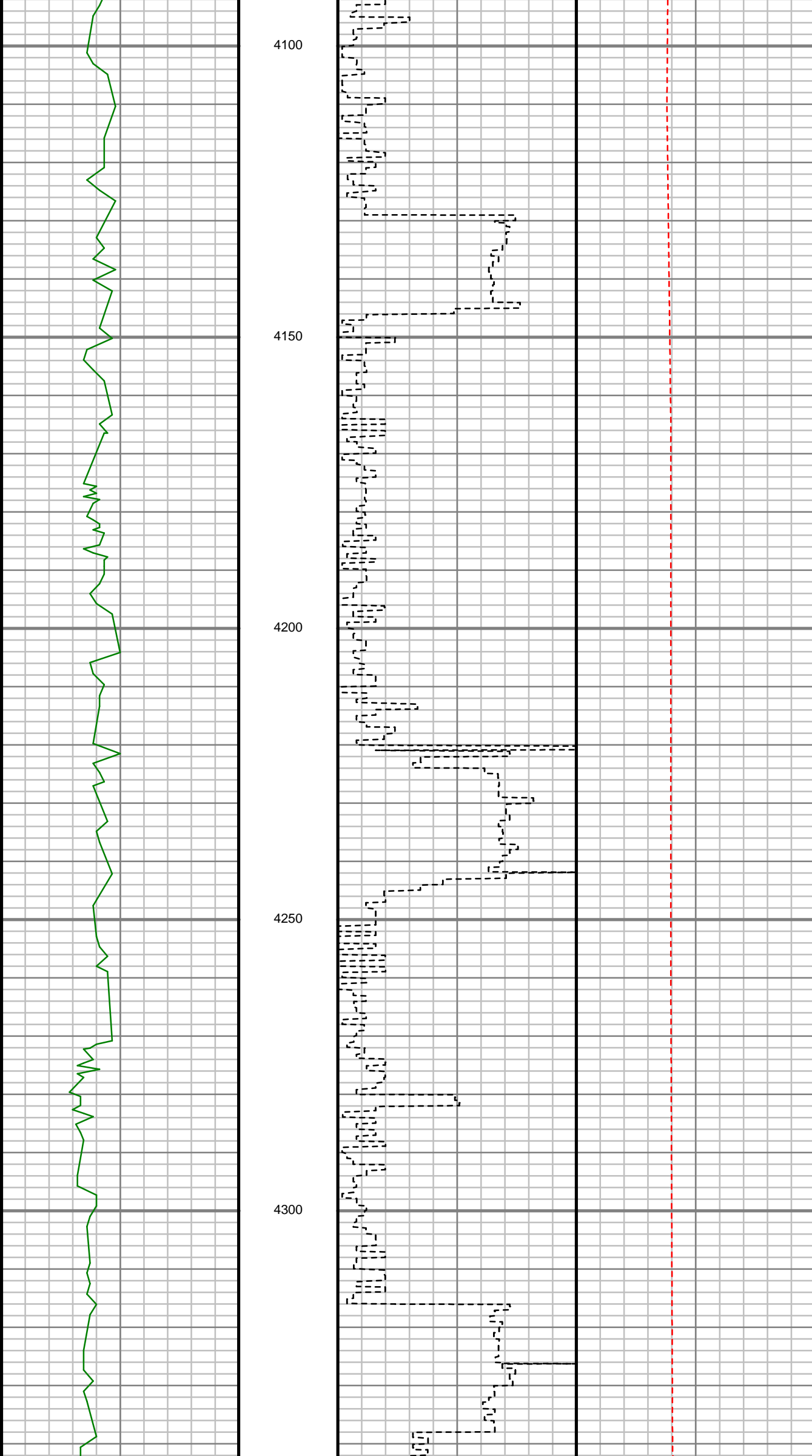
4050



S: 41 MD: 3872.00 ft
Inc: 12.07 deg Az:
224.48 deg TVD:
3838.58 ft

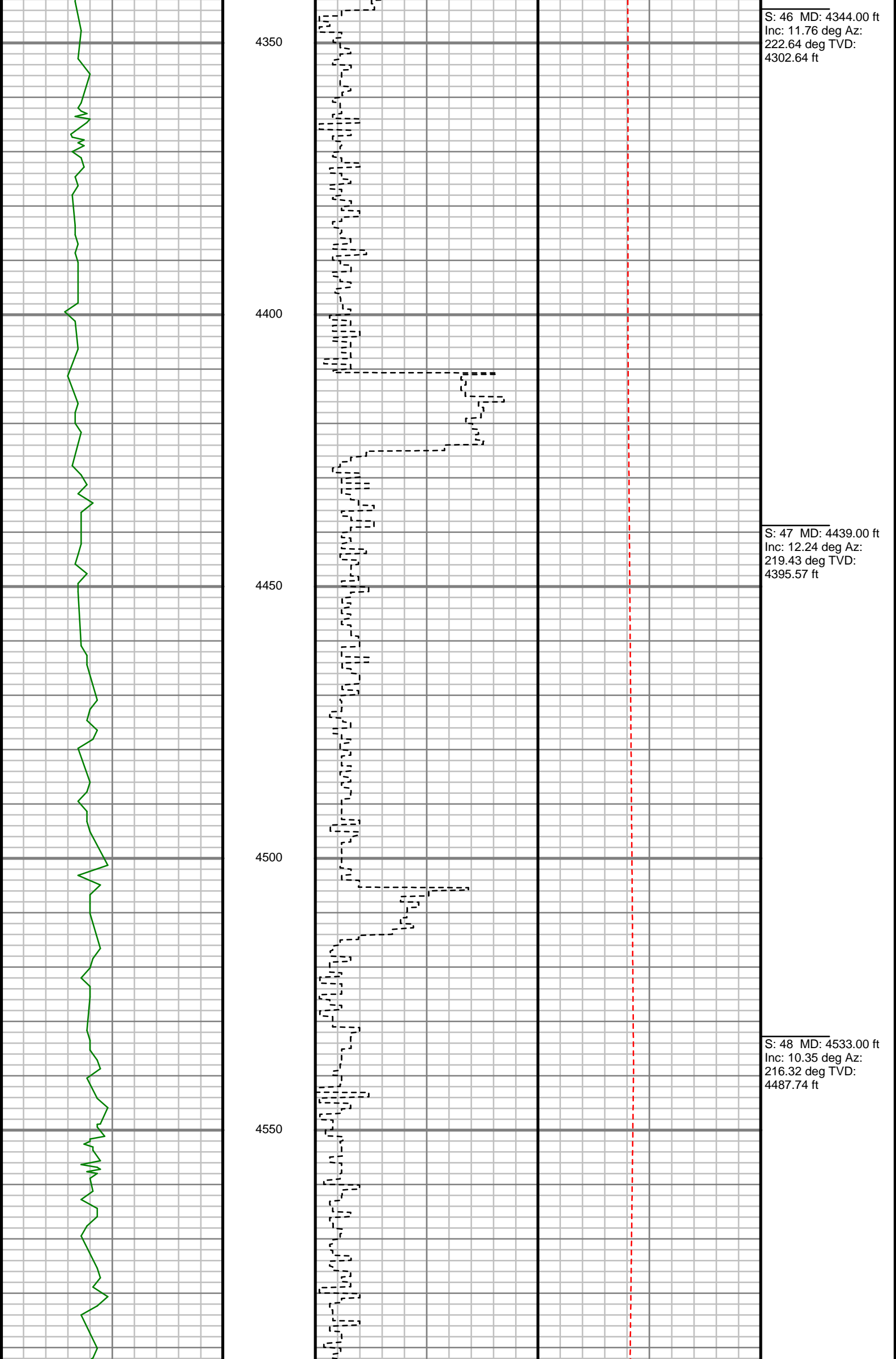
S: 42 MD: 3967.00 ft
Inc: 10.77 deg Az:
216.29 deg TVD:
3931.70 ft

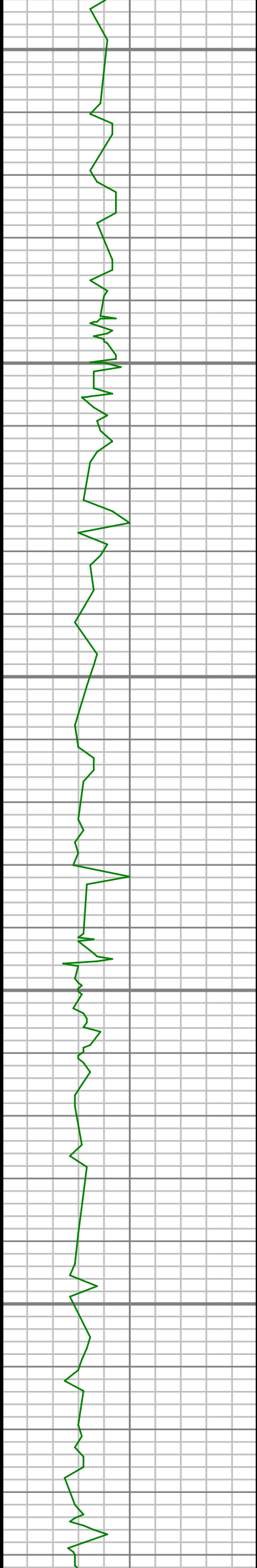
S: 43 MD: 4061.00 ft
Inc: 9.17 deg Az:
215.20 deg TVD:
4024.28 ft



S: 44 MD: 4155.00 ft
Inc: 9.67 deg Az:
230.79 deg TVD:
4117.03 ft

S: 45 MD: 4250.00 ft
Inc: 10.98 deg Az:
224.63 deg TVD:
4210.49 ft





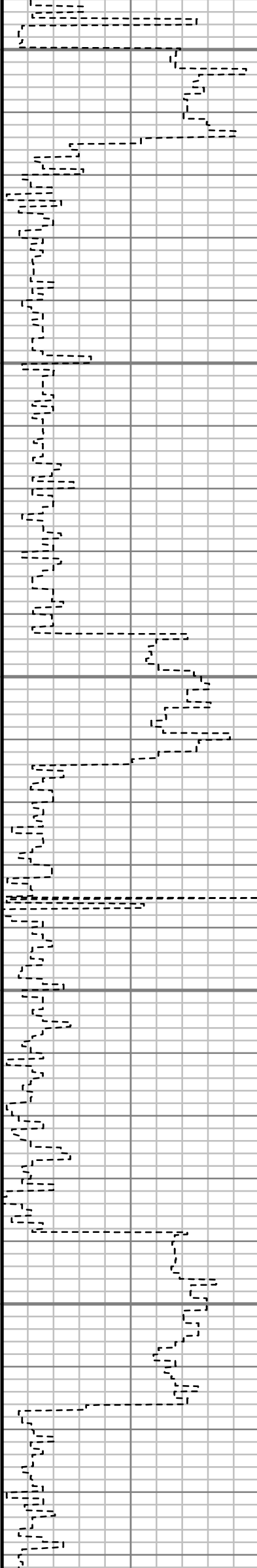
4600

4650

4700

4750

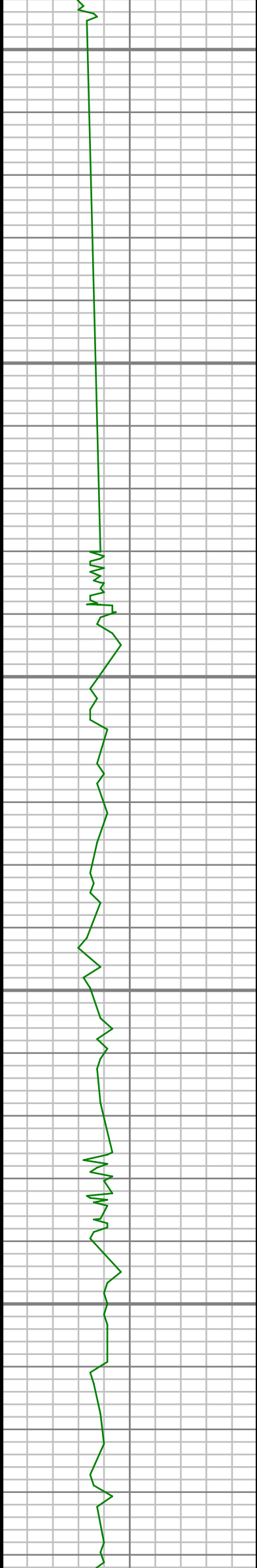
4800



S: 49 MD: 4627.00 ft
Inc: 10.17 deg Az:
220.43 deg TVD:
4580.24 ft

S: 50 MD: 4722.00 ft
Inc: 9.01 deg Az:
216.80 deg TVD:
4673.91 ft

S: 51 MD: 4816.00 ft
Inc: 10.17 deg Az:
212.55 deg TVD:
4766.60 ft



4850

4900

4950

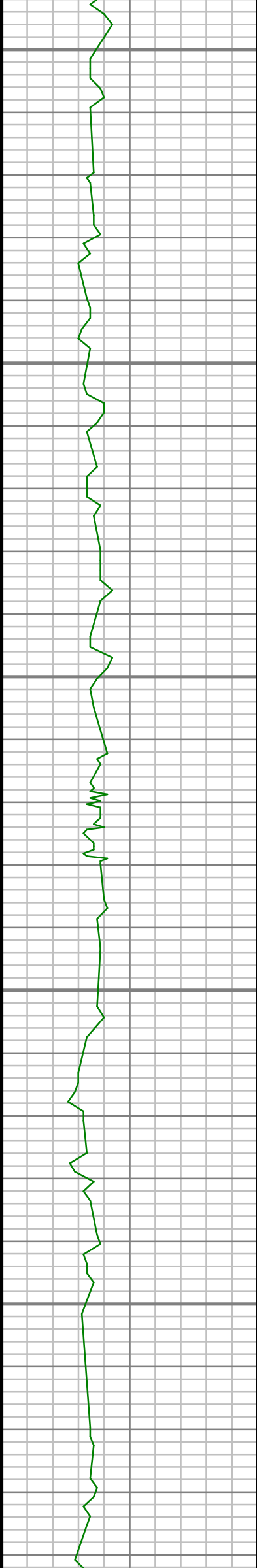
5000

5050



S: 52 MD: 4911.00 ft
Inc: 12.33 deg Az:
214.03 deg TVD:
4859.77 ft

S: 53 MD: 5005.00 ft
Inc: 11.68 deg Az:
212.54 deg TVD:
4951.71 ft



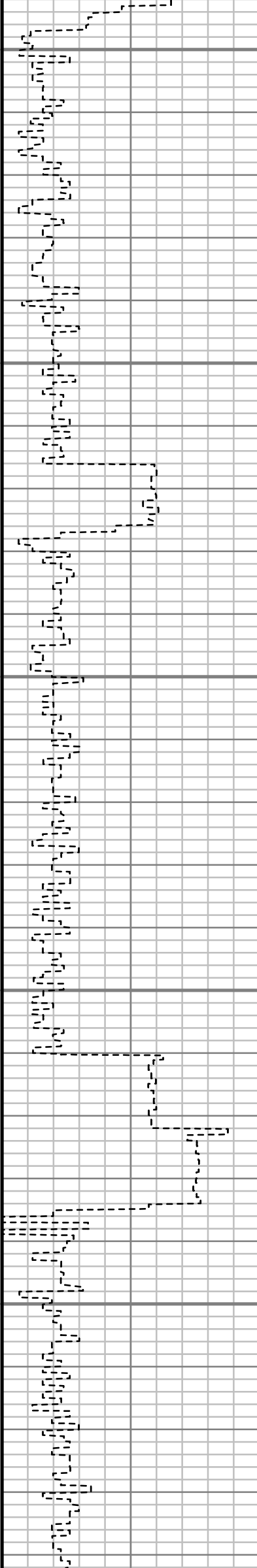
5100

5150

5200

5250

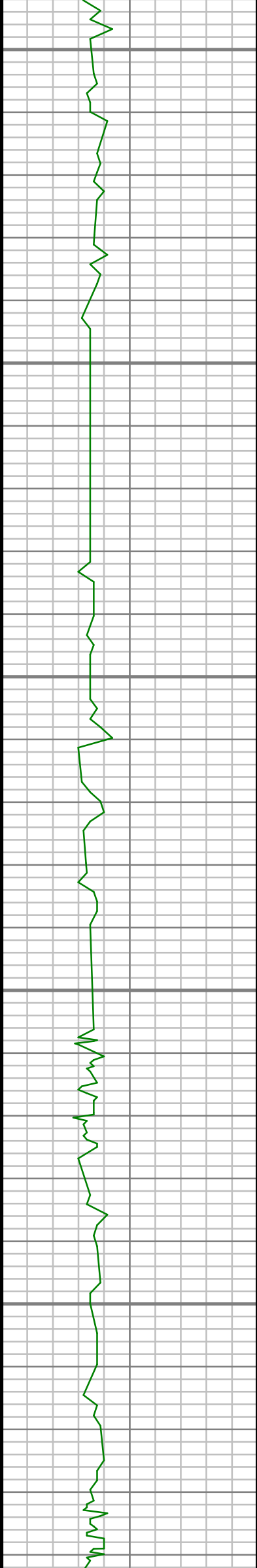
5300



S: 54 MD: 5100.00 ft
Inc: 10.93 deg Az:
219.81 deg TVD:
5044.87 ft

S: 55 MD: 5194.00 ft
Inc: 10.27 deg Az:
223.93 deg TVD:
5137.27 ft

S: 56 MD: 5289.00 ft
Inc: 10.61 deg Az:
223.27 deg TVD:
5230.70 ft



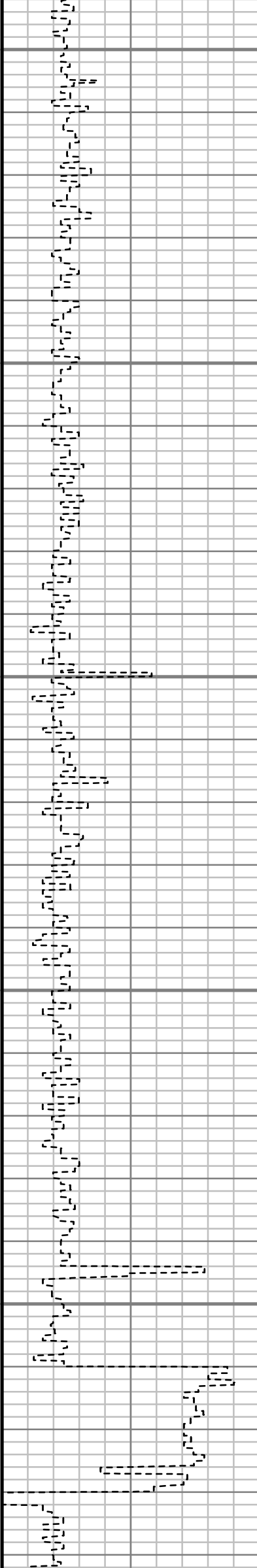
5350

5400

5450

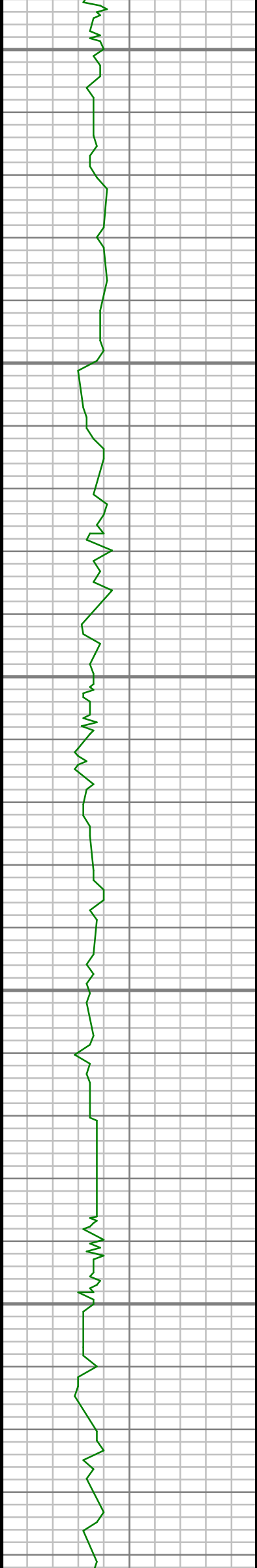
5500

5550



S: 57 MD: 5477.00 ft
Inc: 8.84 deg Az:
222.12 deg TVD:
5415.99 ft

S: 58 MD: 5572.00 ft
Inc: 9.16 deg Az:
218.85 deg TVD:
5509.82 ft



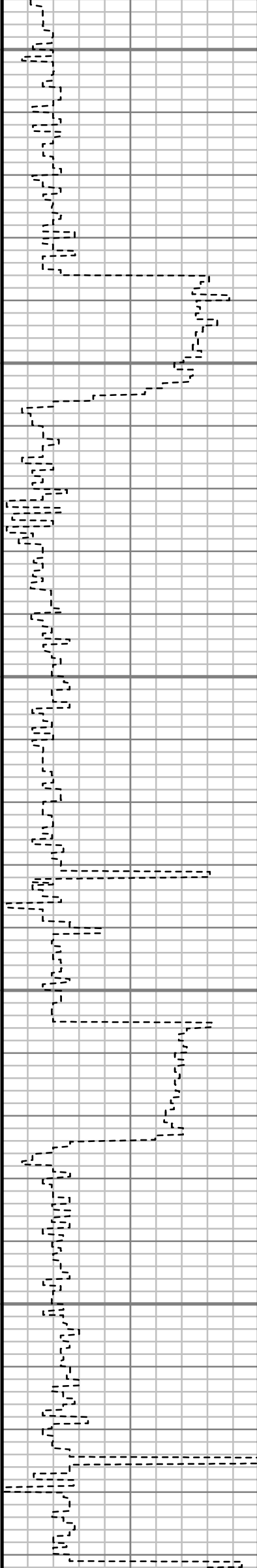
5600

5650

5700

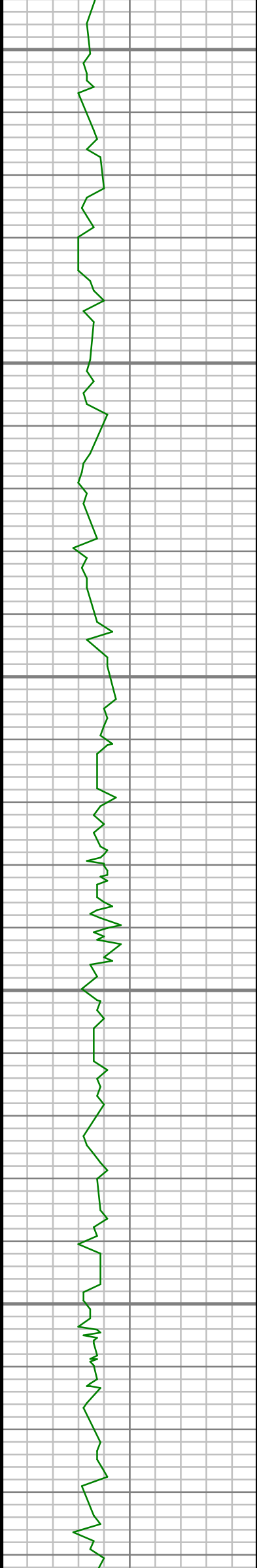
5750

5800



S: 59 MD: 5666.00 ft
Inc: 10.56 deg Az:
221.26 deg TVD:
5602.43 ft

S: 60 MD: 5760.00 ft
Inc: 10.39 deg Az:
221.17 deg TVD:
5694.86 ft



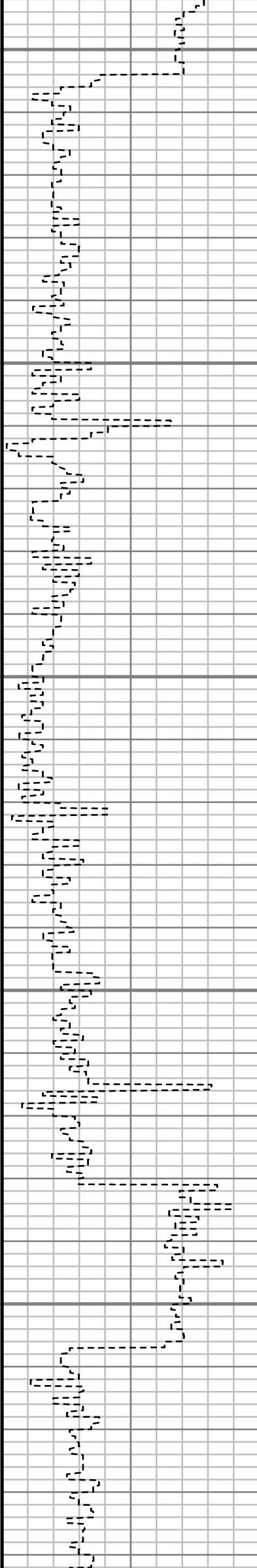
5850

5900

5950

6000

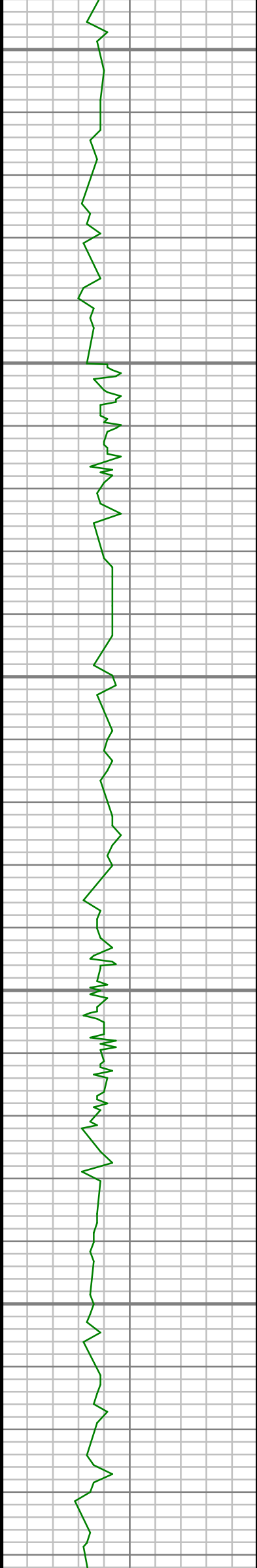
6050



S: 61 MD: 5854.00 ft
Inc: 11.72 deg Az:
214.43 deg TVD:
5787.12 ft

S: 62 MD: 5949.00 ft
Inc: 10.43 deg Az:
210.12 deg TVD:
5880.35 ft

S: 63 MD: 6043.00 ft
Inc: 9.28 deg Az:
212.73 deg TVD:
5972.96 ft



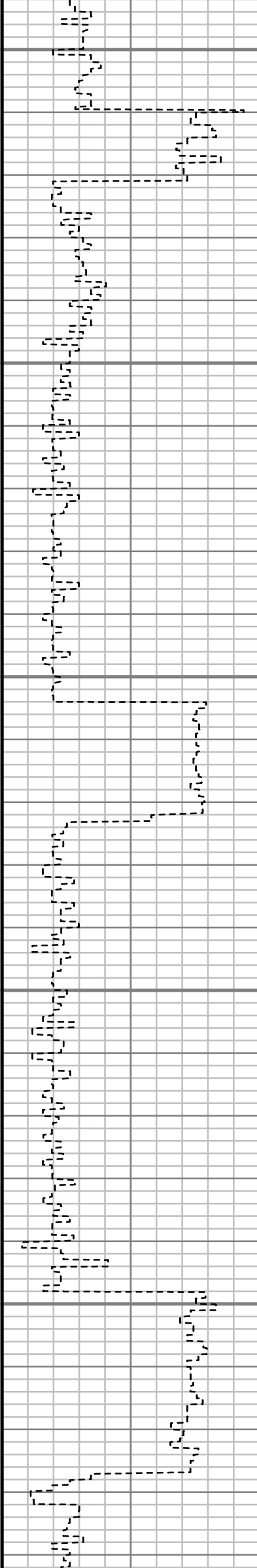
6100

6150

6200

6250

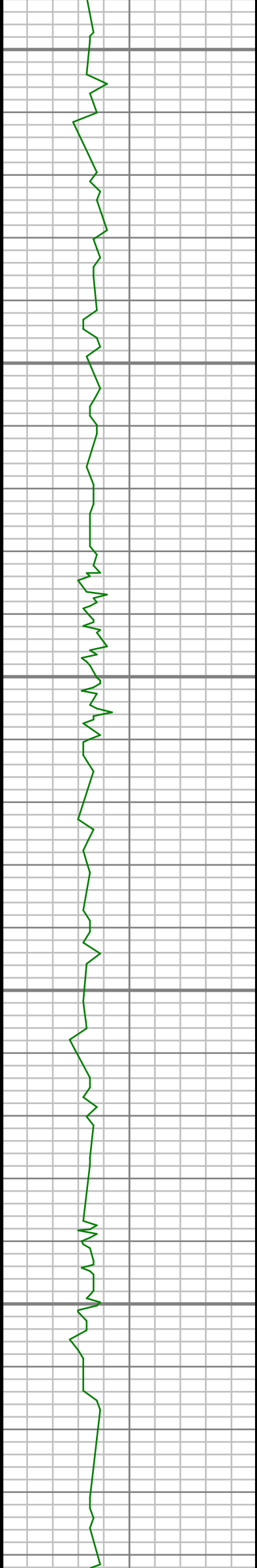
6300



S: 64 MD: 6138.00 ft
Inc: 9.60 deg Az:
213.08 deg TVD:
6066.67 ft

S: 65 MD: 6232.00 ft
Inc: 9.02 deg Az:
216.91 deg TVD:
6159.43 ft

S: 66 MD: 6326.00 ft
Inc: 10.24 deg Az:
231.42 deg TVD:
6252.12 ft



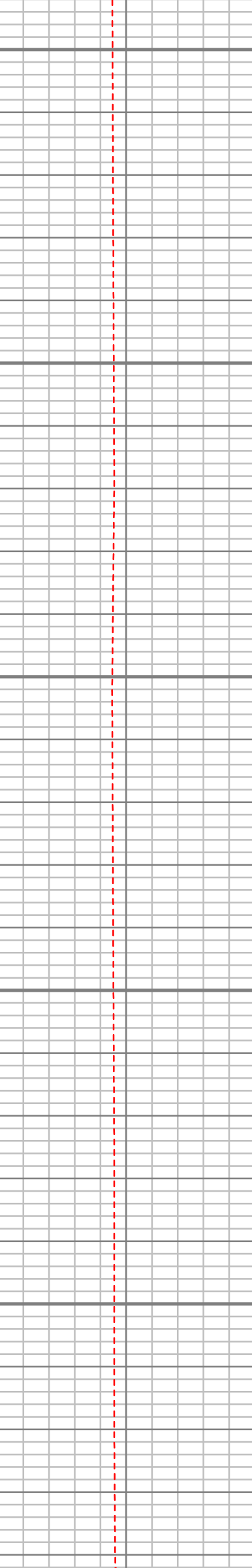
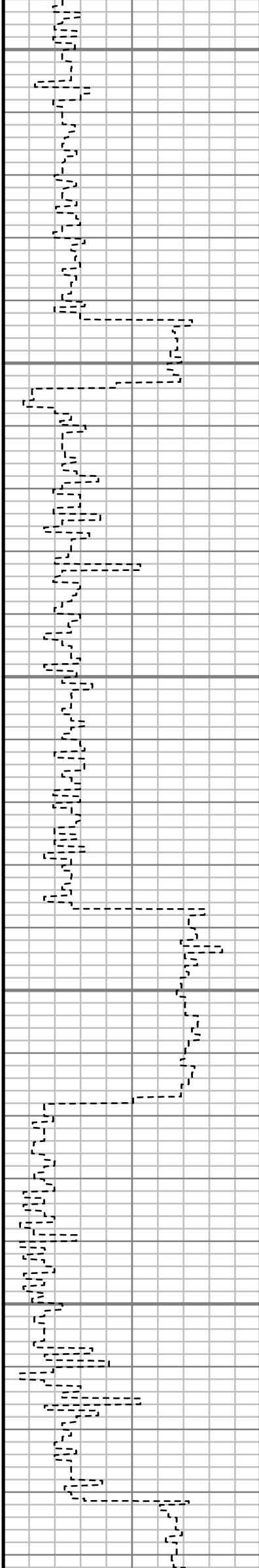
6350

6400

6450

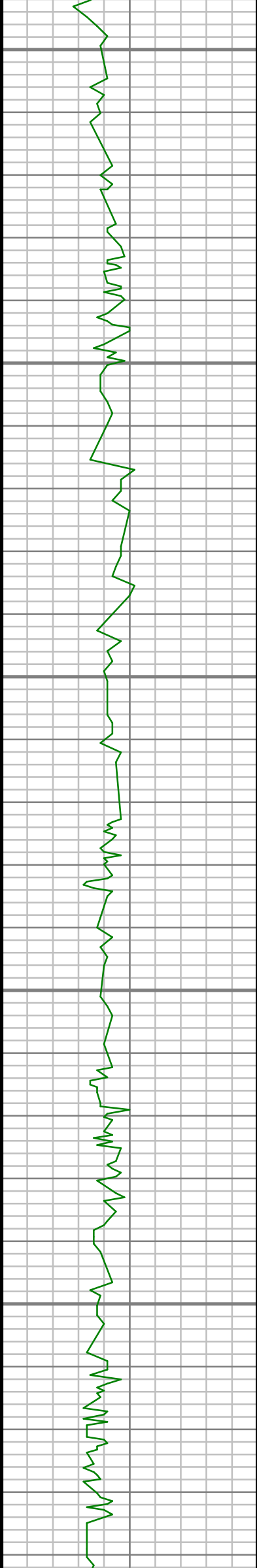
6500

6550



S: 67 MD: 6421.00 ft
Inc: 8.02 deg Az:
232.98 deg TVD:
6345.91 ft

S: 68 MD: 6515.00 ft
Inc: 10.37 deg Az:
215.27 deg TVD:
6438.71 ft



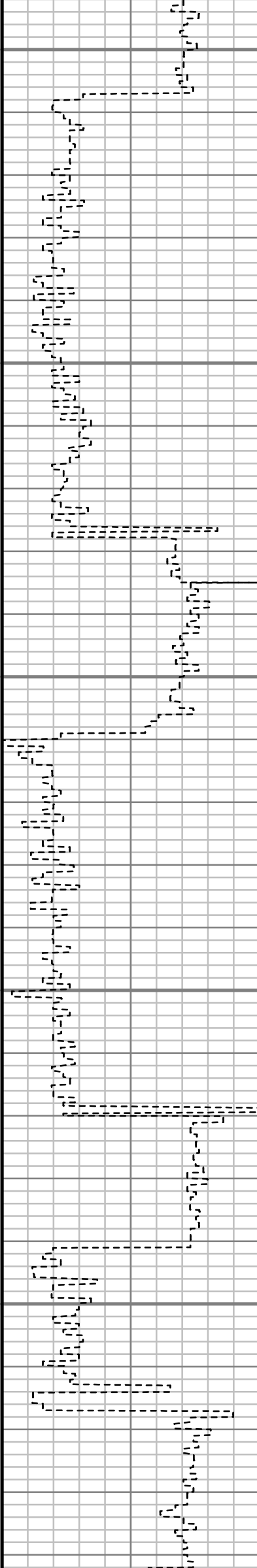
6600

6650

6700

6750

6800

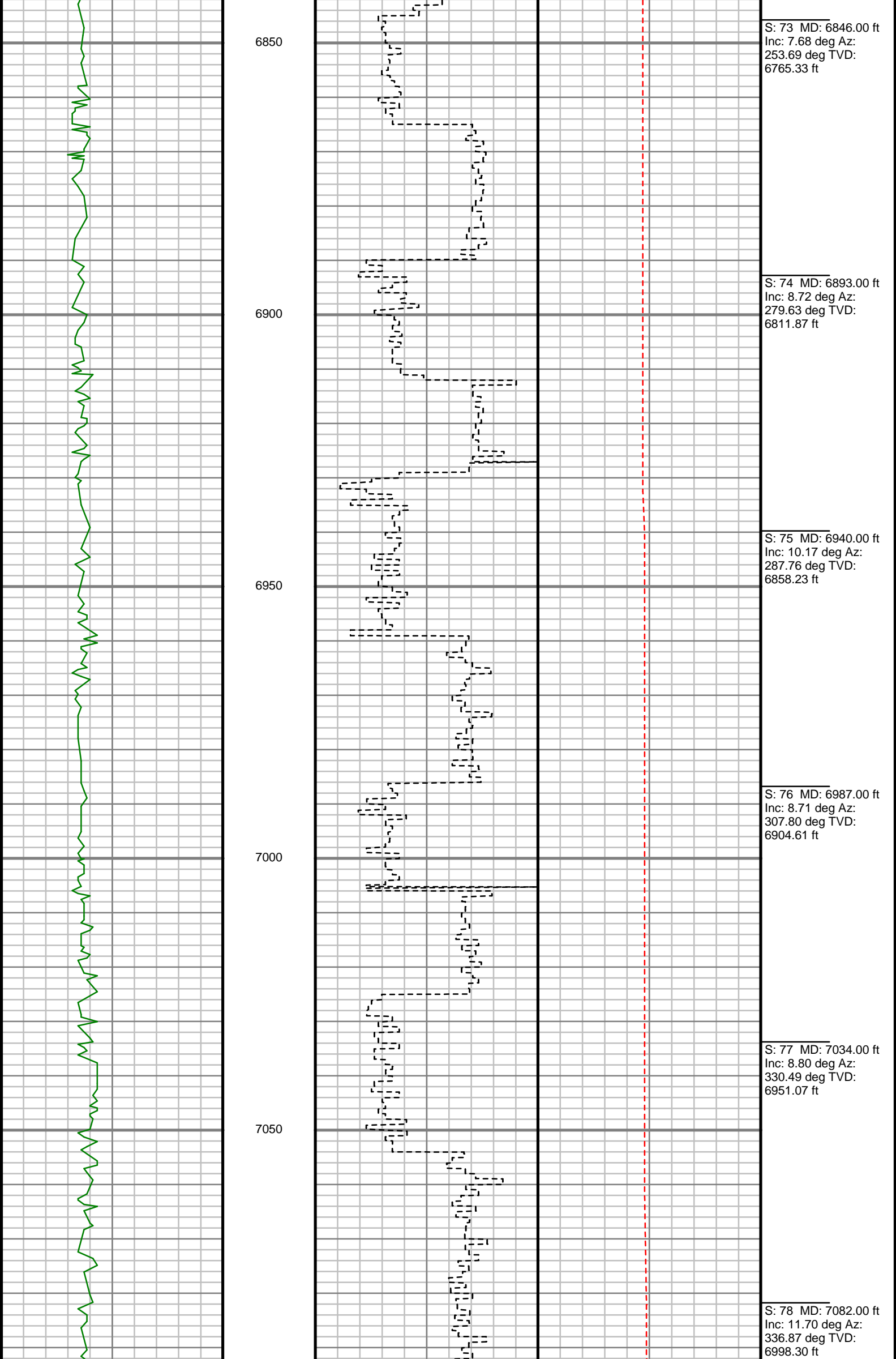


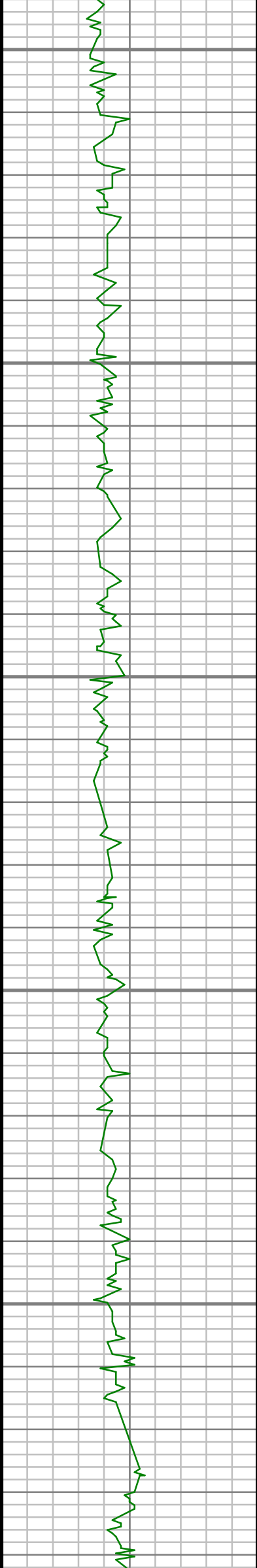
S: 69 MD: 6610.00 ft
Inc: 10.00 deg Az:
216.62 deg TVD:
6532.22 ft

S: 70 MD: 6704.00 ft
Inc: 9.77 deg Az:
221.02 deg TVD:
6624.82 ft

S: 71 MD: 6751.00 ft
Inc: 8.53 deg Az:
214.50 deg TVD:
6671.23 ft

S: 72 MD: 6799.00 ft
Inc: 7.78 deg Az:
228.08 deg TVD:
6718.74 ft





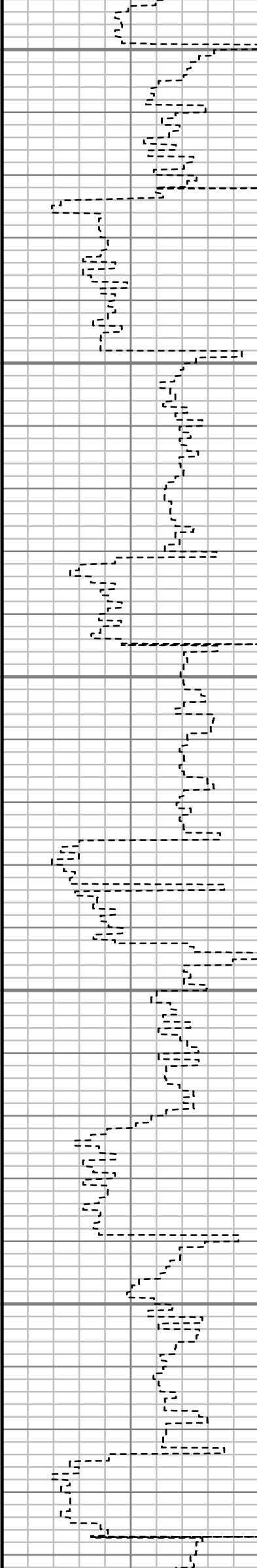
7100

7150

7200

7250

7300



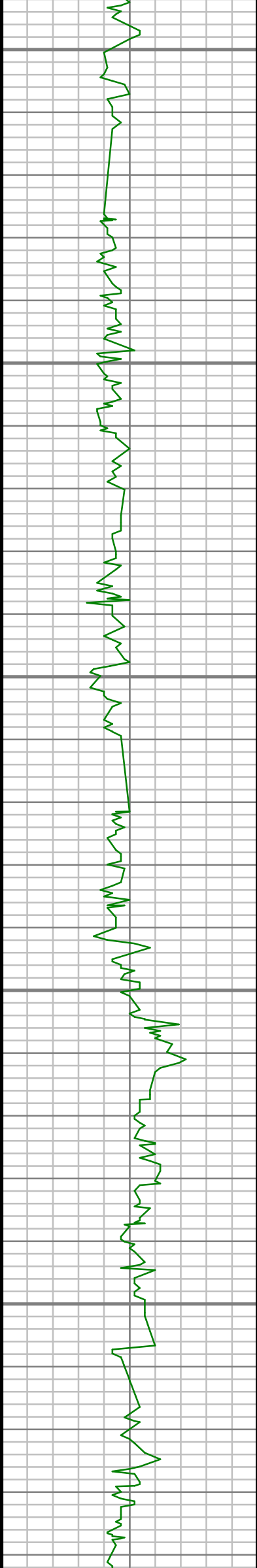
S: 79 MD: 7129.00 ft
Inc: 15.78 deg Az:
333.94 deg TVD:
7043.95 ft

S: 80 MD: 7176.00 ft
Inc: 20.40 deg Az:
333.48 deg TVD:
7088.61 ft

S: 81 MD: 7223.00 ft
Inc: 24.77 deg Az:
333.30 deg TVD:
7132.00 ft

S: 82 MD: 7270.00 ft
Inc: 28.76 deg Az:
335.46 deg TVD:
7173.95 ft

S: 83 MD: 7317.00 ft
Inc: 32.17 deg Az:
339.31 deg TVD:
7214.46 ft



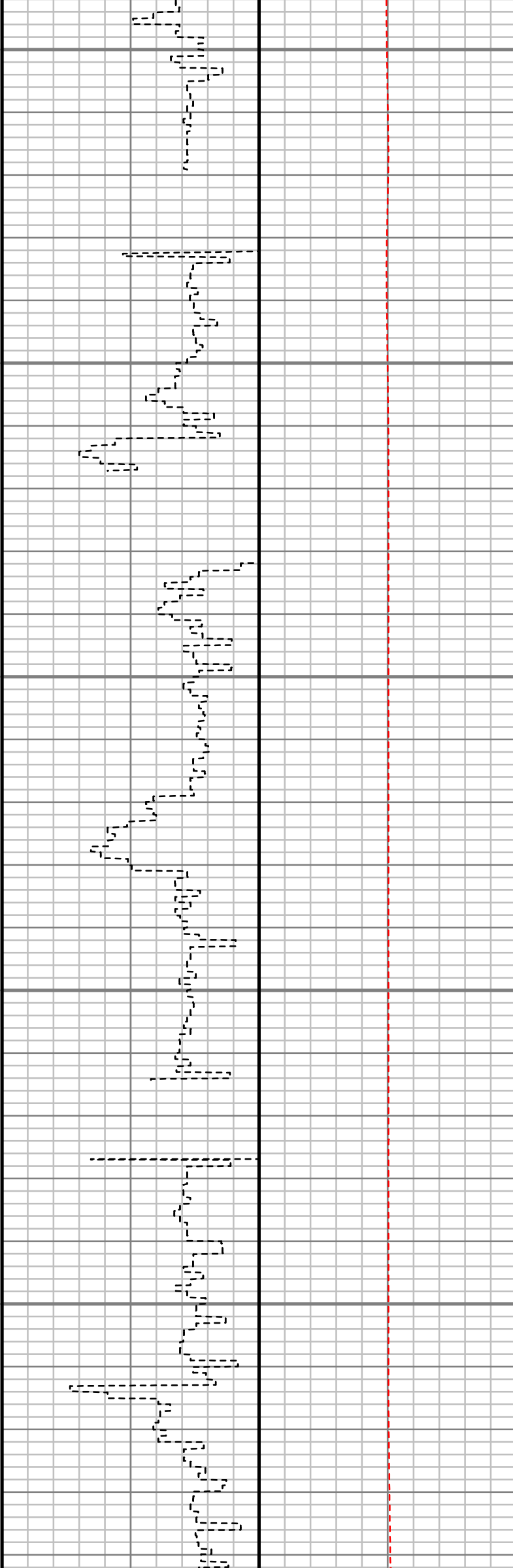
7350

7400

7450

7500

7550



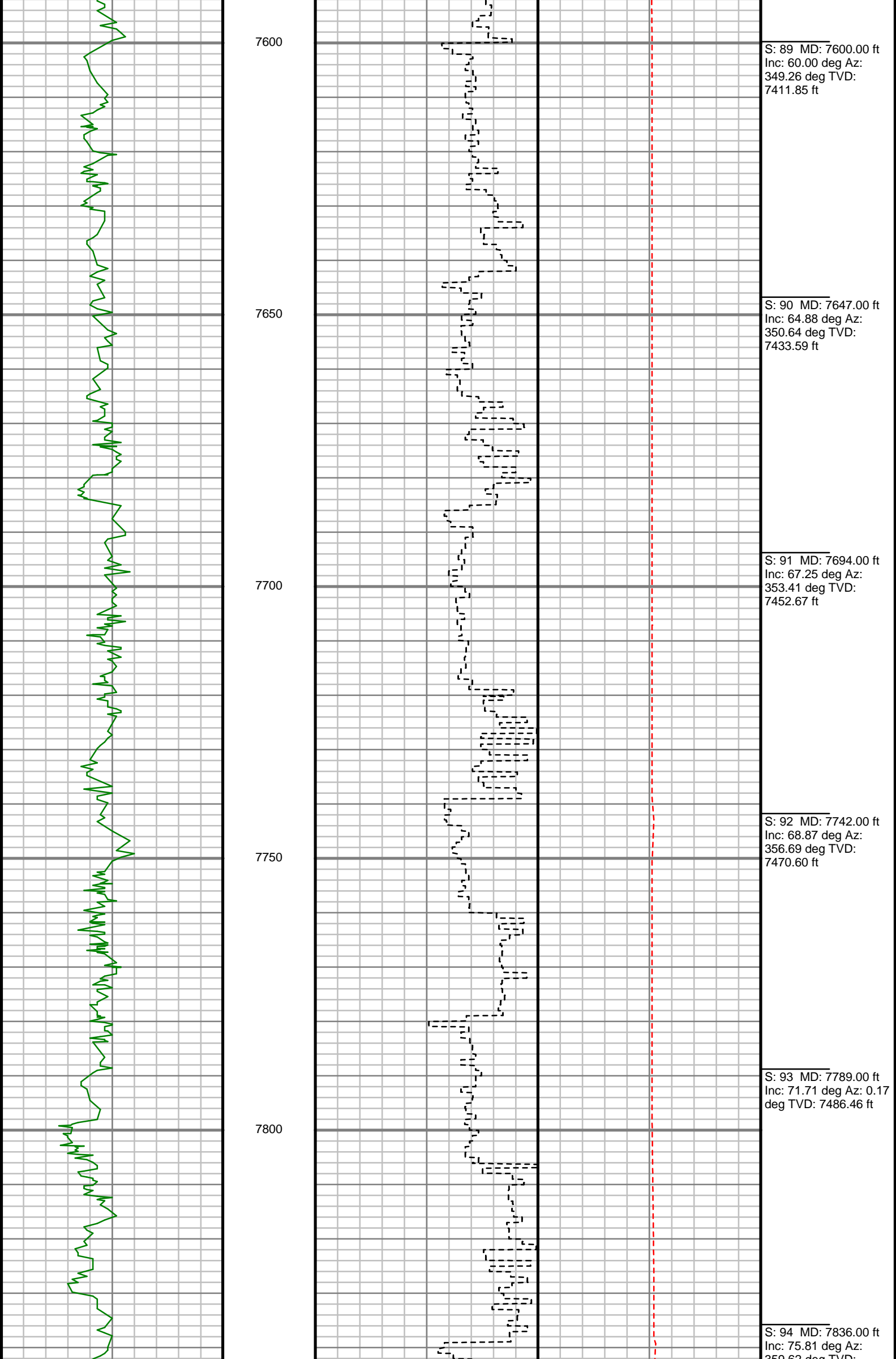
S: 84 MD: 7365.00 ft
Inc: 36.12 deg Az:
338.60 deg TVD:
7254.18 ft

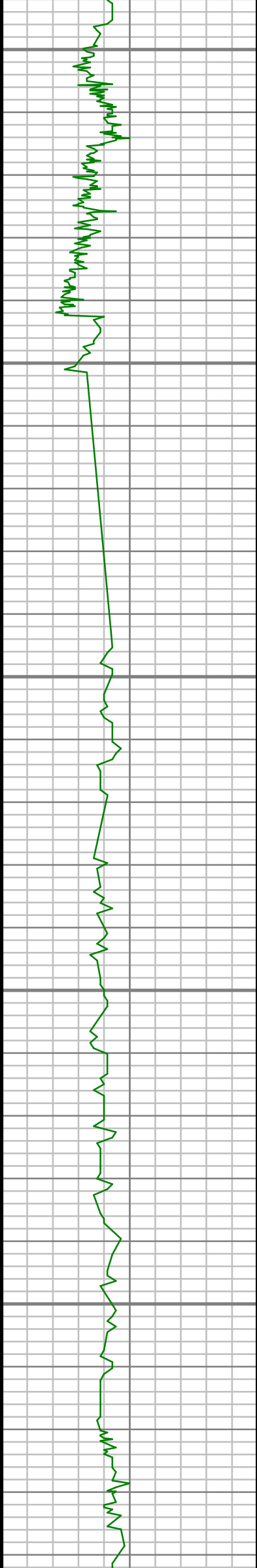
S: 85 MD: 7412.00 ft
Inc: 40.81 deg Az:
338.66 deg TVD:
7290.97 ft

S: 86 MD: 7459.00 ft
Inc: 44.40 deg Az:
340.63 deg TVD:
7325.56 ft

S: 87 MD: 7506.00 ft
Inc: 48.88 deg Az:
344.09 deg TVD:
7357.83 ft

S: 88 MD: 7553.00 ft
Inc: 55.28 deg Az:
347.03 deg TVD:
7386.70 ft





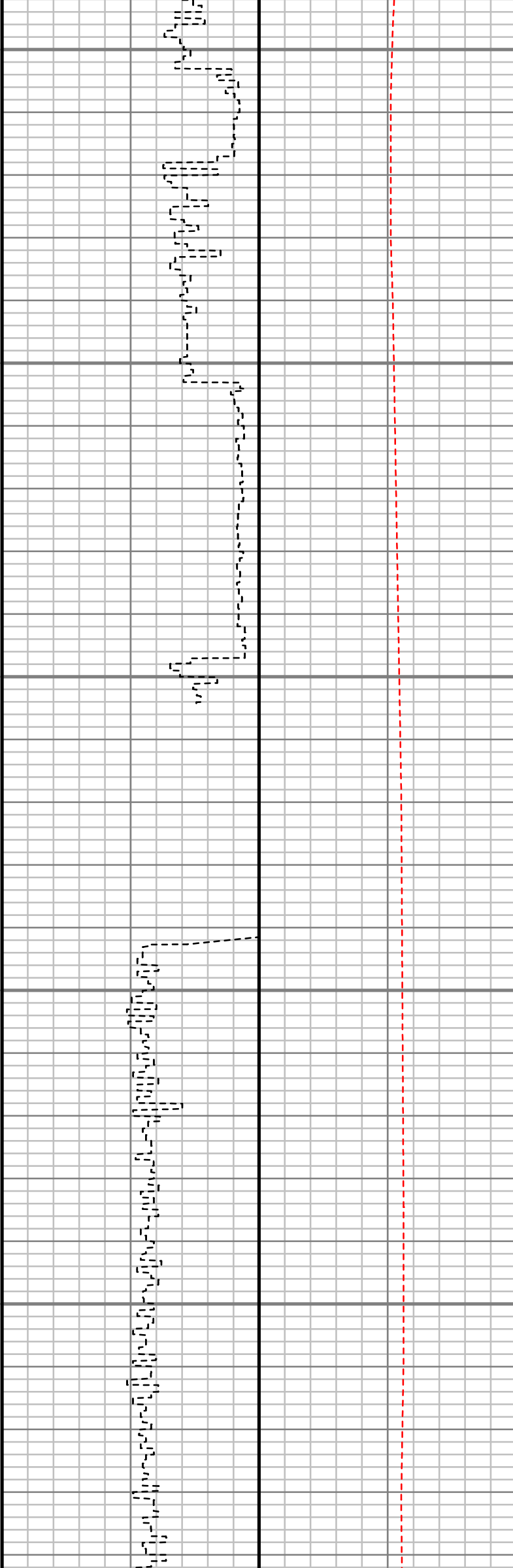
7850

7900

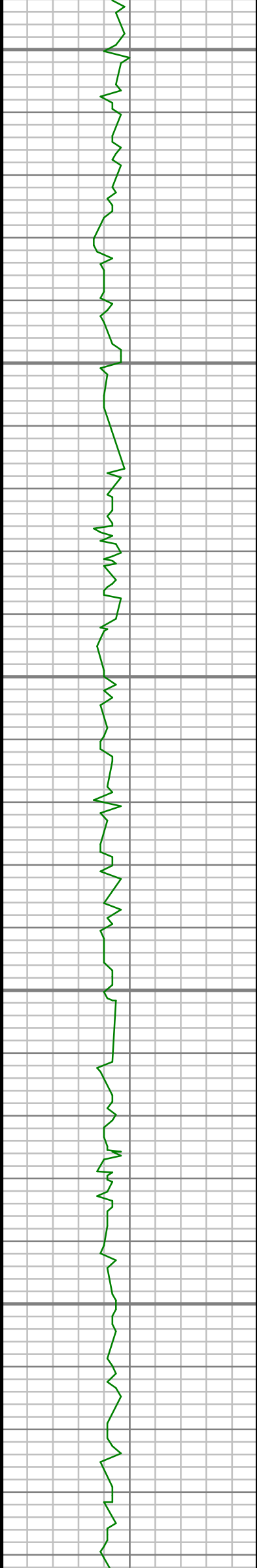
7950

8000

8050



339.62 deg TVD: 7499.60 ft
S: 95 MD: 7883.00 ft Inc: 79.95 deg Az: 358.81 deg TVD: 7509.46 ft
S: 96 MD: 7957.00 ft Inc: 88.59 deg Az: 359.04 deg TVD: 7516.84 ft
S: 97 MD: 8051.00 ft Inc: 90.71 deg Az: 357.95 deg TVD: 7517.42 ft



8100

8150

8200

8250

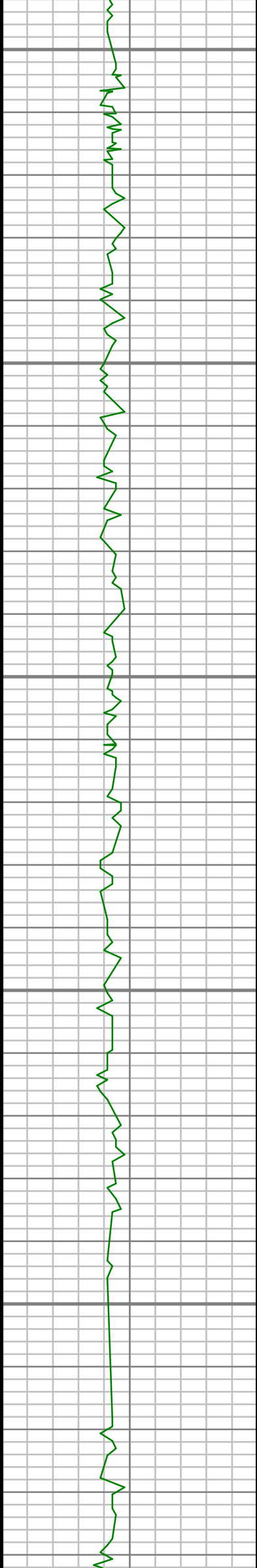
8300



S: 98 MD: 8145.00 ft
Inc: 89.87 deg Az:
358.01 deg TVD:
7516.95 ft

S: 99 MD: 8240.00 ft
Inc: 89.73 deg Az:
358.85 deg TVD:
7517.29 ft

S: 100 MD: 8334.00 ft
Inc: 88.59 deg Az:
359.72 deg TVD:
7518.67 ft



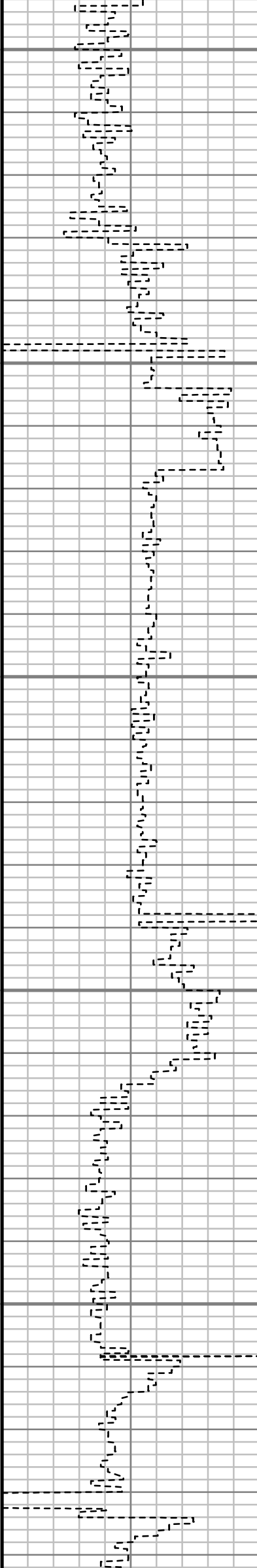
8350

8400

8450

8500

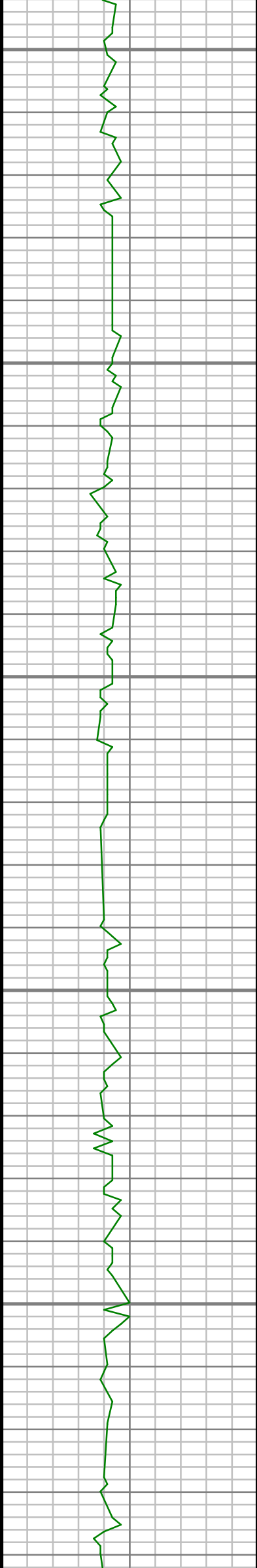
8550



S: 101 MD: 8429.00 ft
Inc: 90.23 deg Az: 0.71
deg TVD: 7519.64 ft

S: 102 MD: 8523.00 ft
Inc: 89.19 deg Az: 1.05
deg TVD: 7520.11 ft





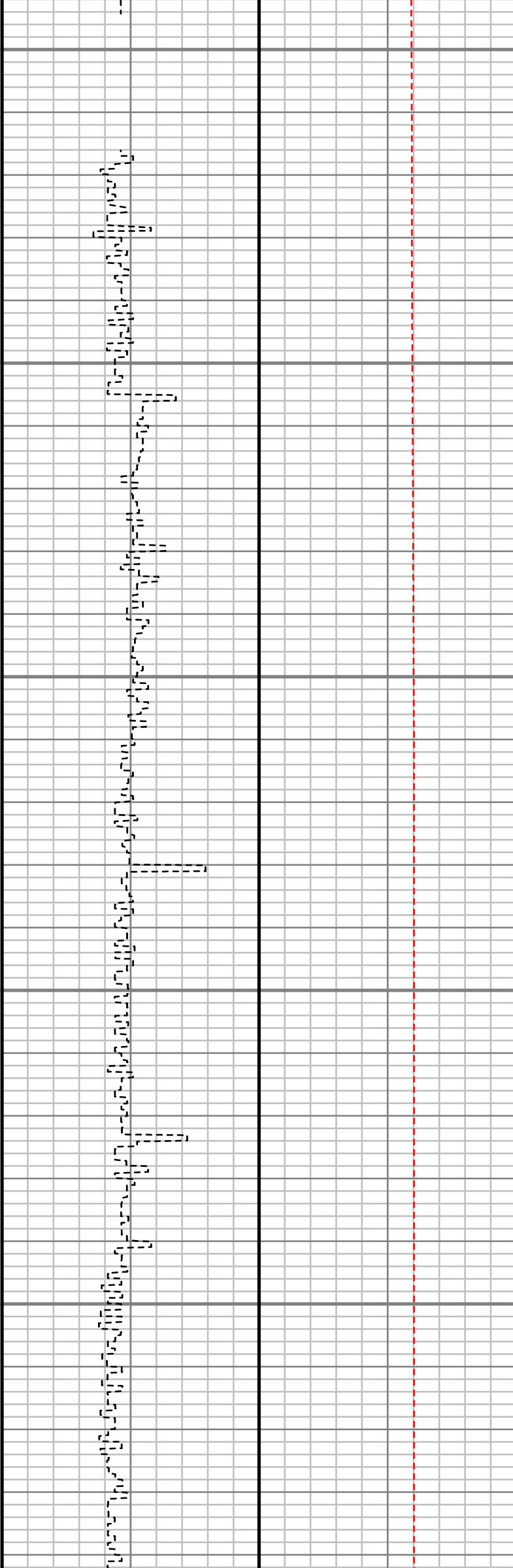
8600

8650

8700

8750

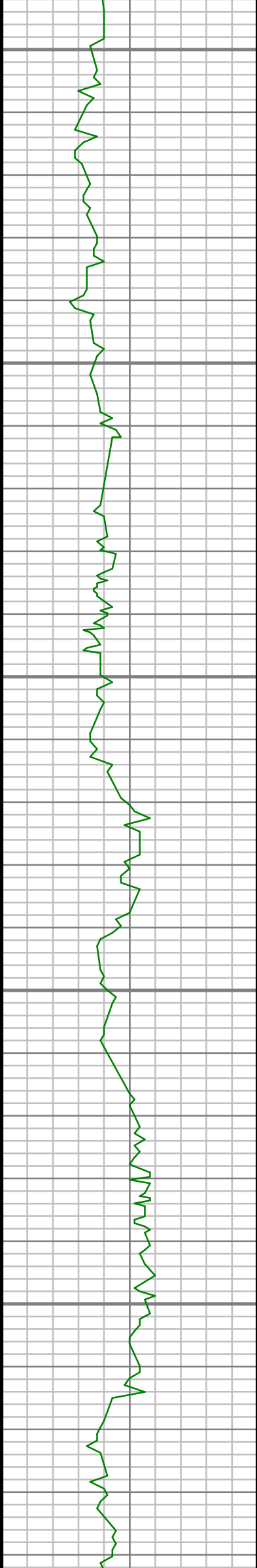
8800



S: 103 MD: 8617.00 ft
Inc: 90.17 deg Az: 1.08
deg TVD: 7520.63 ft

S: 104 MD: 8712.00 ft
Inc: 90.44 deg Az: 0.65
deg TVD: 7520.13 ft

S: 105 MD: 8806.00 ft
Inc: 90.24 deg Az: 0.87
deg TVD: 7519.58 ft



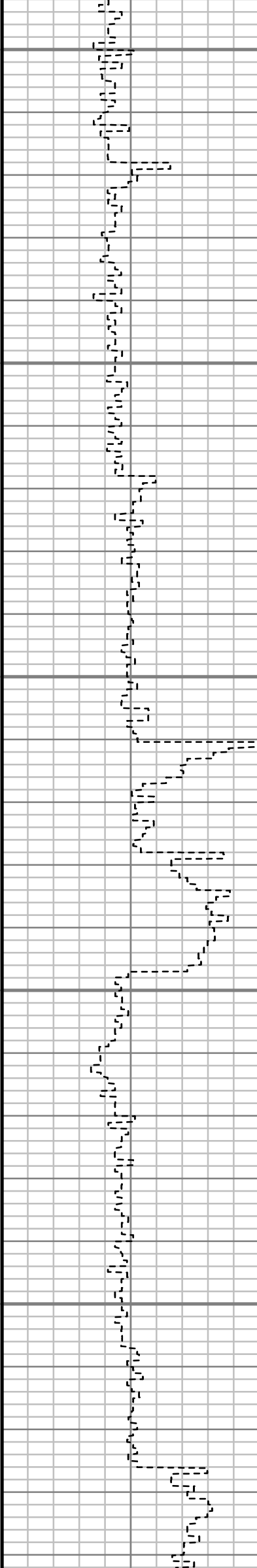
8850

8900

8950

9000

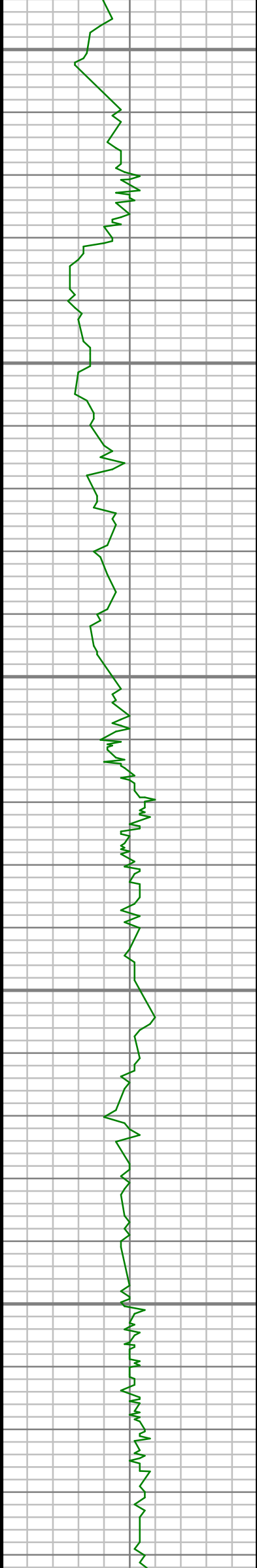
9050



S: 106 MD: 8901.00 ft
Inc: 91.91 deg Az: 0.66
deg TVD: 7517.80 ft

S: 107 MD: 8995.00 ft
Inc: 92.22 deg Az: 0.22
deg TVD: 7514.41 ft

S: 108 MD: 9089.00 ft
Inc: 92.22 deg Az: 0.22
deg TVD: 7514.41 ft



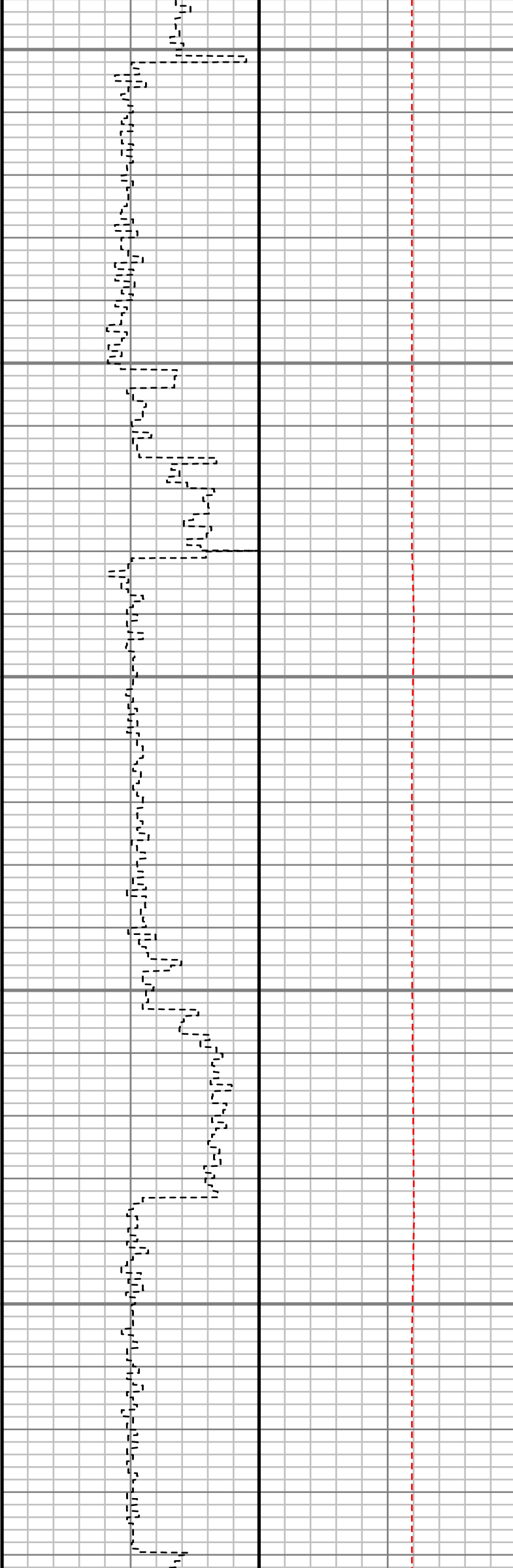
9100

9150

9200

9250

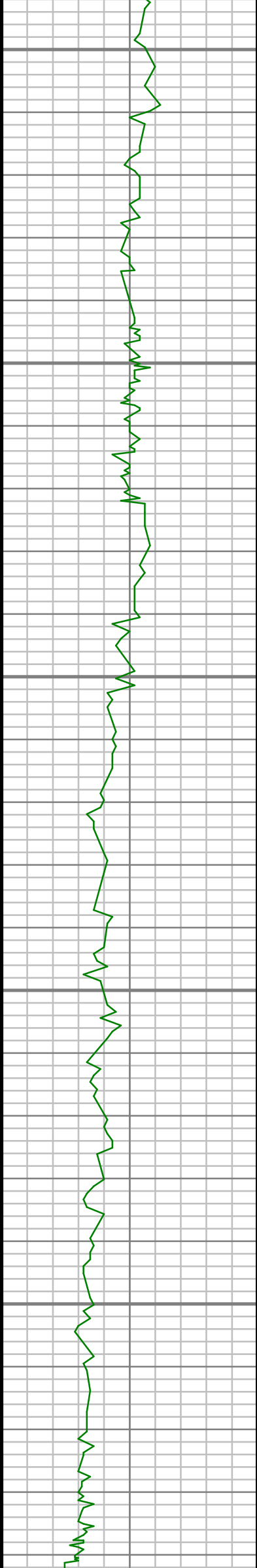
9300



Inc: 91.18 deg Az:
358.86 deg TVD:
7511.63 ft

S: 109 MD: 9184.00 ft
Inc: 90.81 deg Az:
358.01 deg TVD:
7509.99 ft

S: 110 MD: 9278.00 ft
Inc: 89.46 deg Az:
356.95 deg TVD:
7509.77 ft



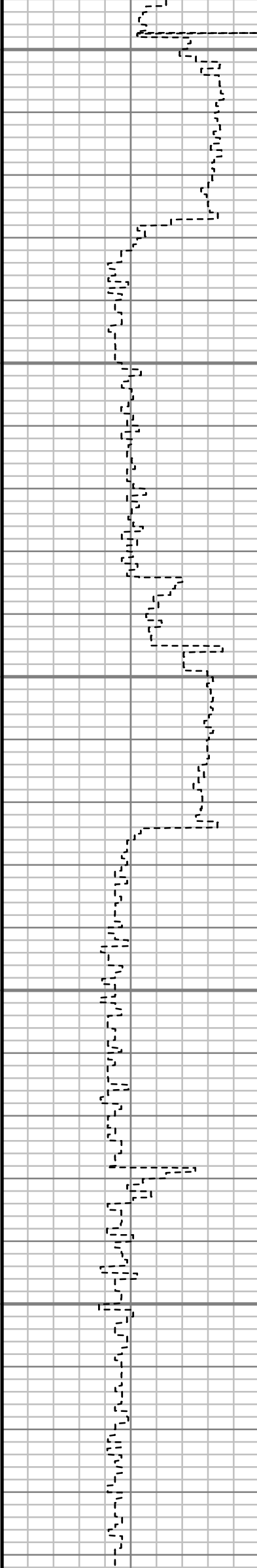
9350

9400

9450

9500

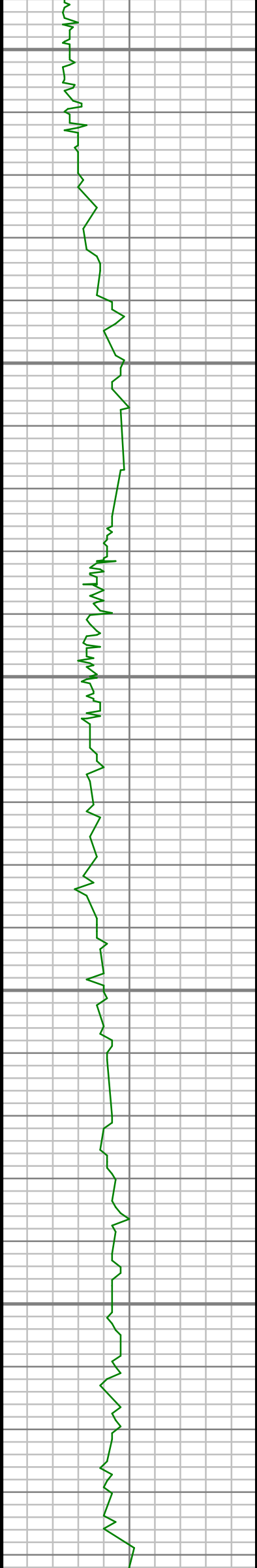
9550



S: 111 MD: 9373.00 ft
Inc: 88.72 deg Az:
358.52 deg TVD:
7511.27 ft

S: 112 MD: 9467.00 ft
Inc: 87.95 deg Az:
359.14 deg TVD:
7514.00 ft

S: 113 MD: 9561.00 ft
Inc: 88.18 deg Az:
358.27 deg TVD:
7517.17 ft



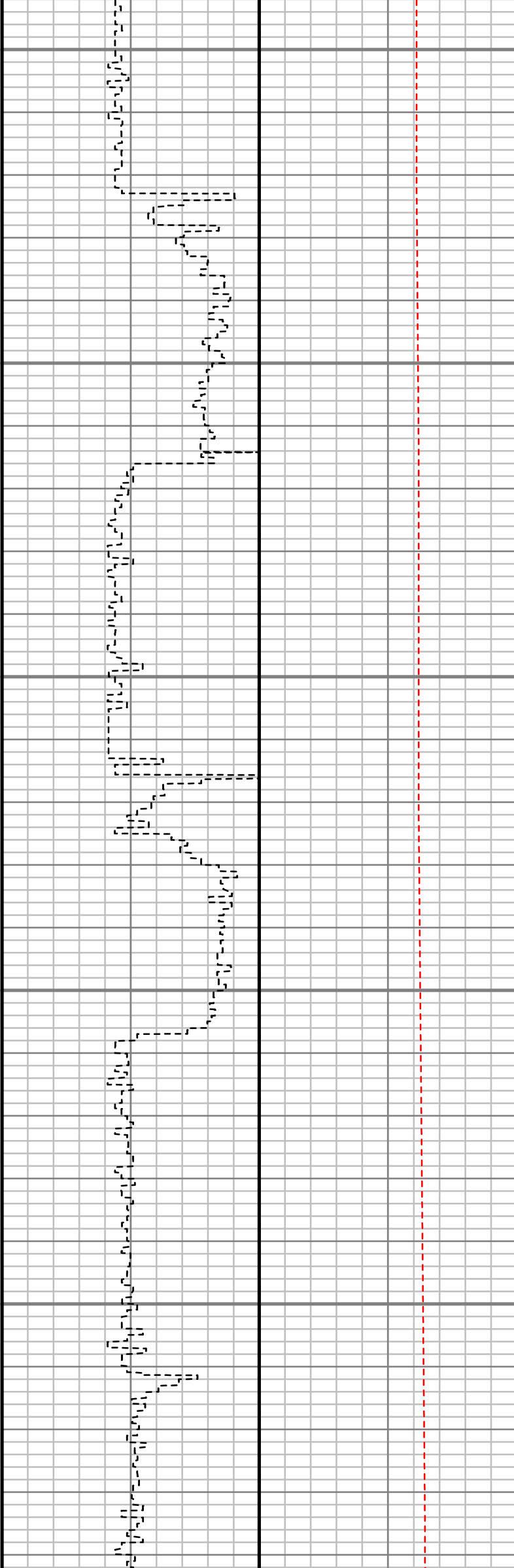
9600

9650

9700

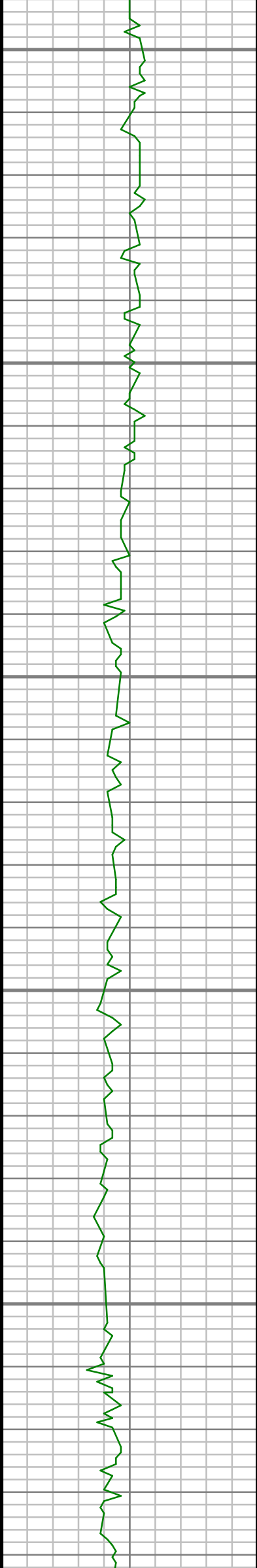
9750

9800



S: 114 MD: 9656.00 ft
Inc: 88.42 deg Az:
359.50 deg TVD:
7519.98 ft

S: 115 MD: 9750.00 ft
Inc: 87.58 deg Az: 0.81
deg TVD: 7523.26 ft



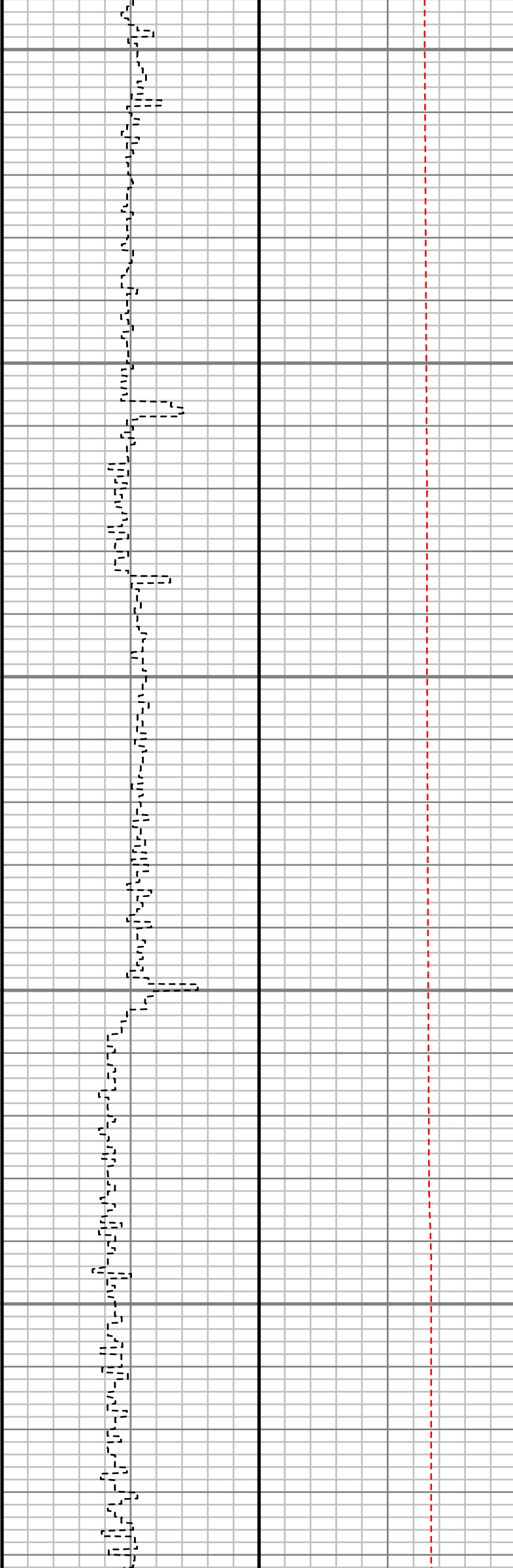
9850

9900

9950

10000

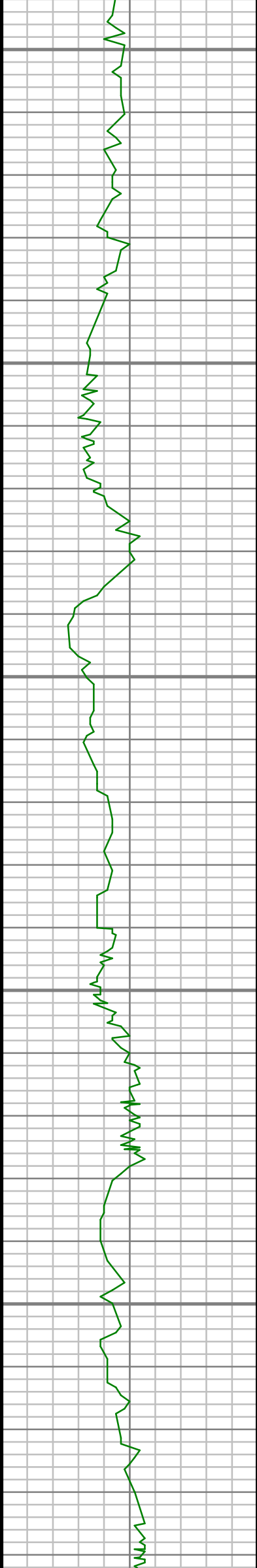
10050



S: 116 MD: 9845.00 ft
Inc: 88.39 deg Az: 0.93
deg TVD: 7526.61 ft

S: 117 MD: 9939.00 ft
Inc: 89.60 deg Az: 1.16
deg TVD: 7528.26 ft

S: 118 MD: 10034.00 ft
Inc: 90.13 deg Az: 1.04
deg TVD: 7528.48 ft



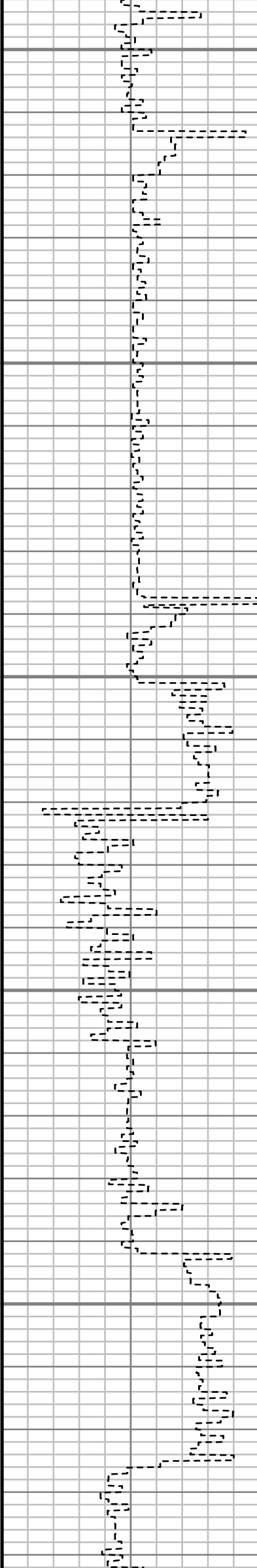
10100

10150

10200

10250

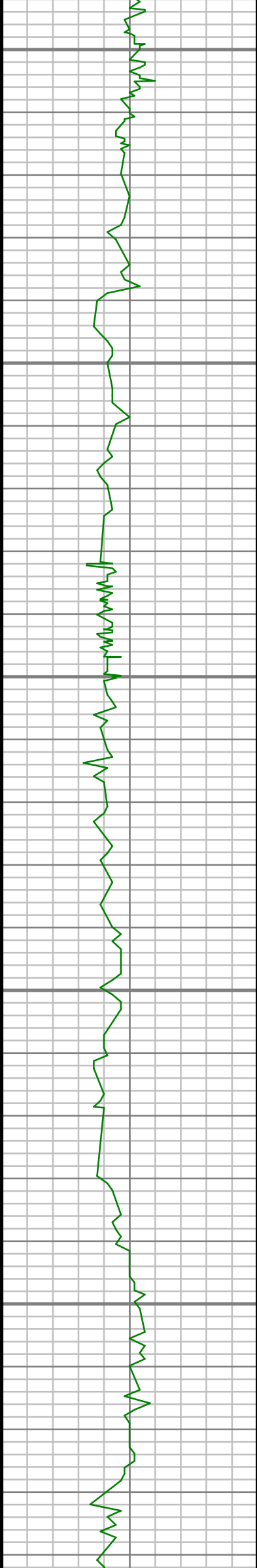
10300



S: 119 MD: 10128.00 ft
Inc: 92.28 deg Az: 0.34
deg TVD: 7526.50 ft

S: 120 MD: 10223.00 ft
Inc: 93.13 deg Az:
359.29 deg TVD:
7522.01 ft

S: 121 MD: 10317.00 ft
Inc: 91.92 deg Az:
358.02 deg TVD:
7517.87 ft



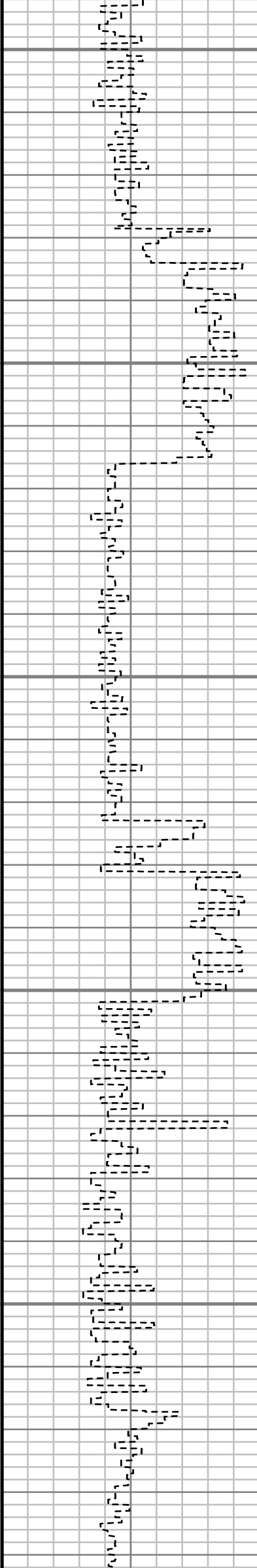
10350

10400

10450

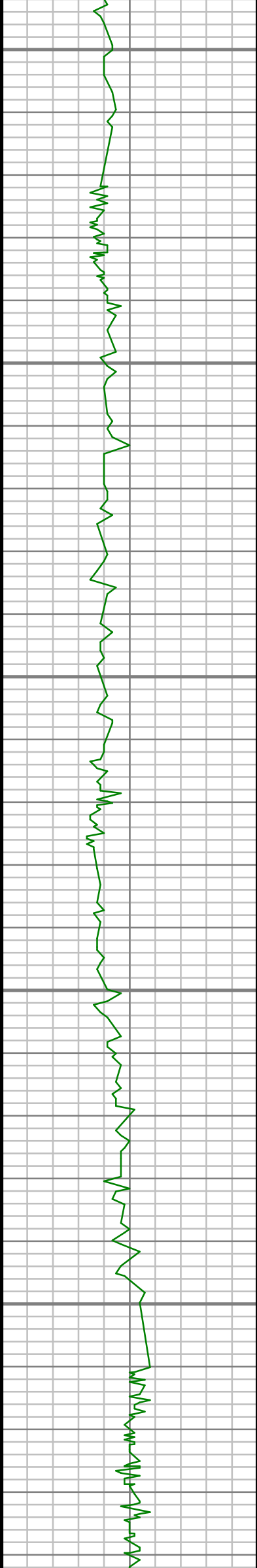
10500

10550



S: 122 MD: 10411.00 ft
Inc: 90.17 deg Az:
356.98 deg TVD:
7516.15 ft

S: 123 MD: 10506.00 ft
Inc: 88.02 deg Az:
357.57 deg TVD:
7517.66 ft



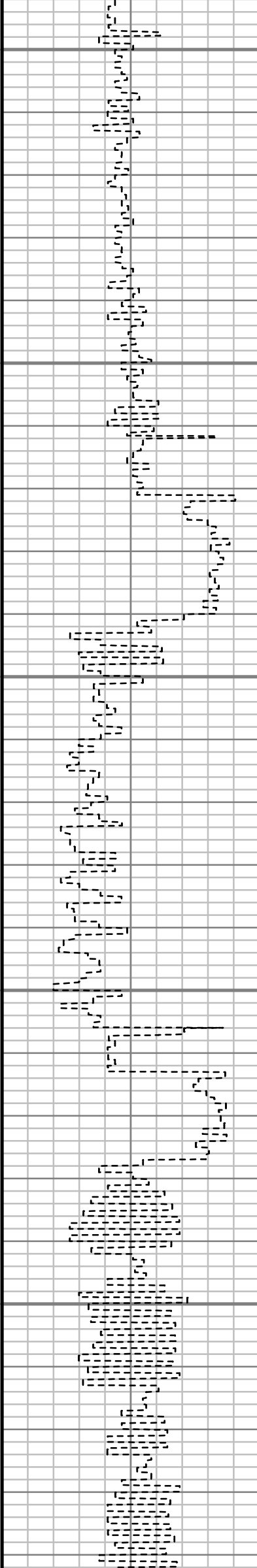
10600

10650

10700

10750

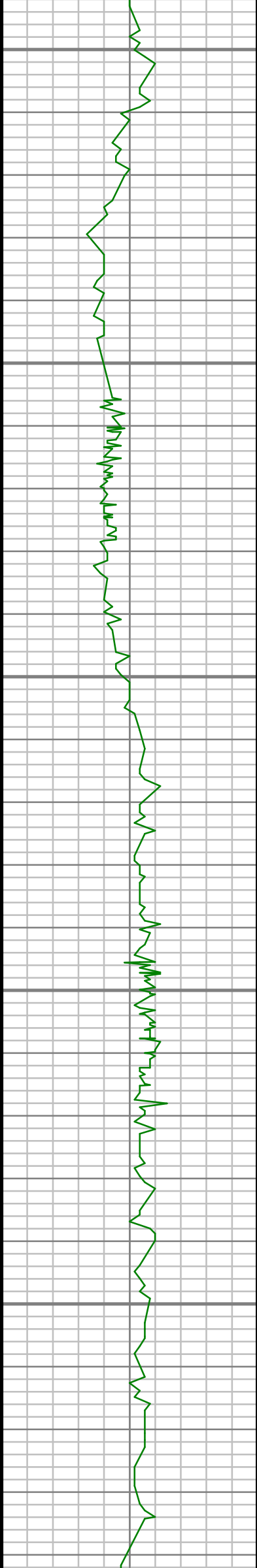
10800



S: 124 MD: 10600.00 ft
Inc: 89.70 deg Az:
356.86 deg TVD:
7519.53 ft

S: 125 MD: 10694.00 ft
Inc: 89.76 deg Az:
354.94 deg TVD:
7519.97 ft

S: 126 MD: 10789.00 ft
Inc: 90.61 deg Az:
353.58 deg TVD:
7519.67 ft



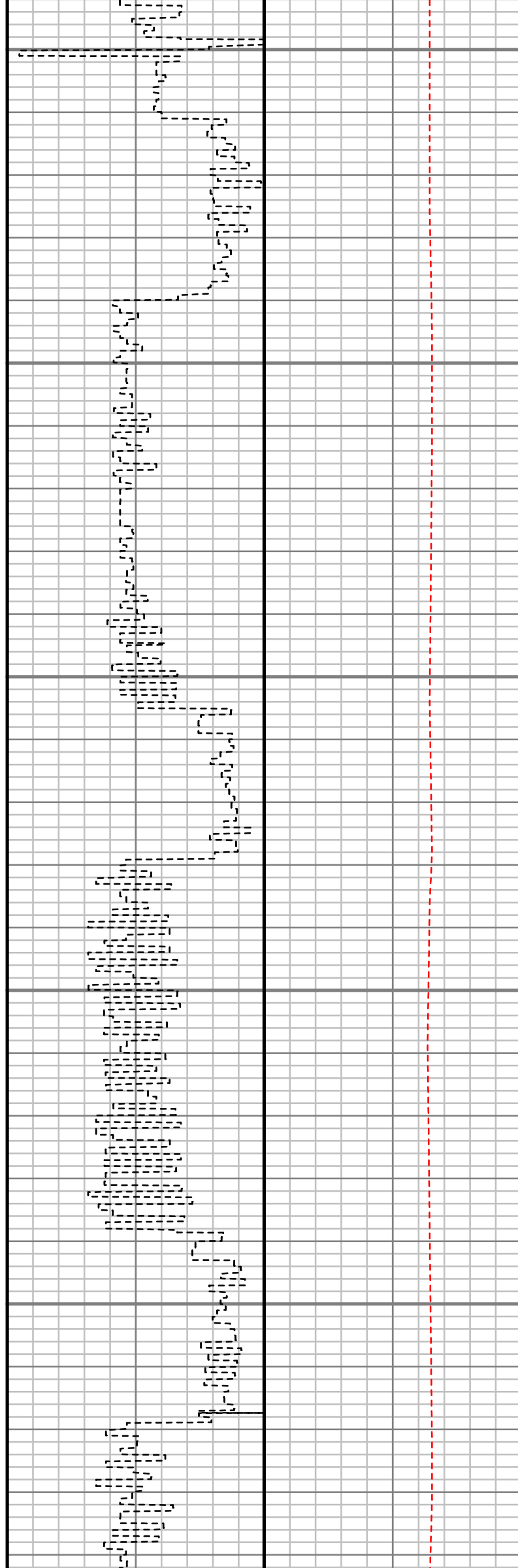
10850

10900

10950

11000

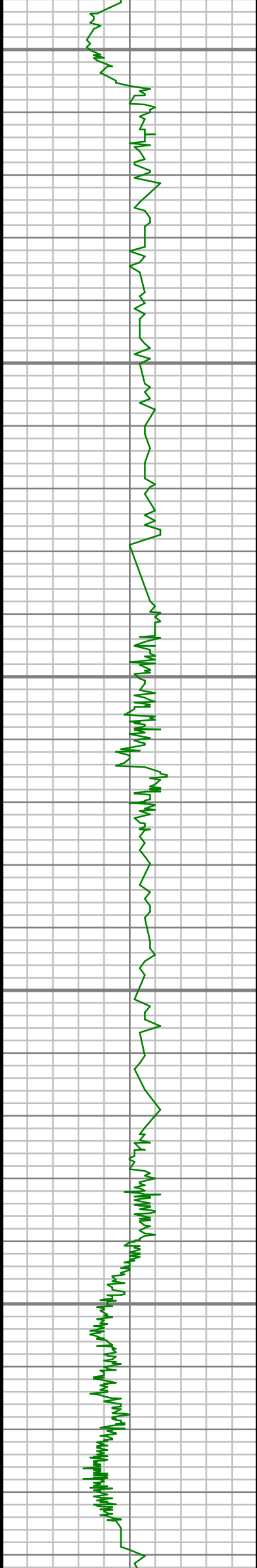
11050



S: 127 MD: 10883.00 ft
Inc: 90.87 deg Az:
352.01 deg TVD:
7518.45 ft

S: 128 MD: 10977.00 ft
Inc: 91.01 deg Az:
350.60 deg TVD:
7516.91 ft

S: 129 MD: 11072.00 ft
Inc: 89.36 deg Az:
349.31 deg TVD:
7516.60 ft



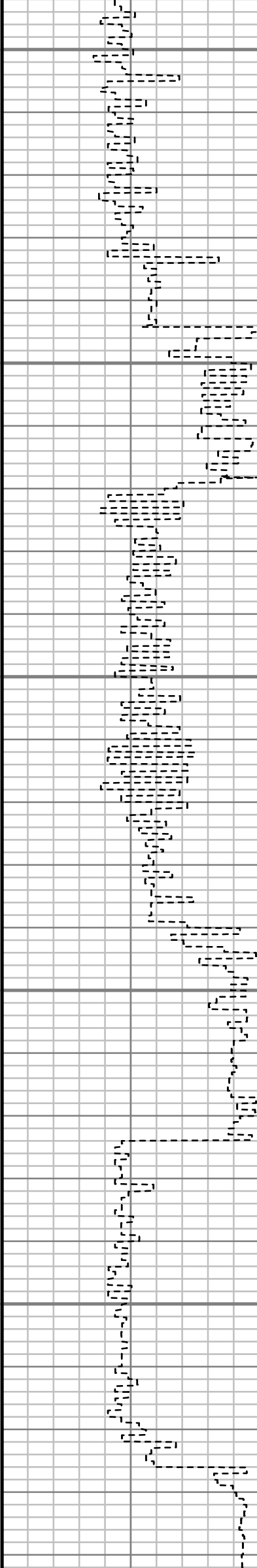
11100

11150

11200

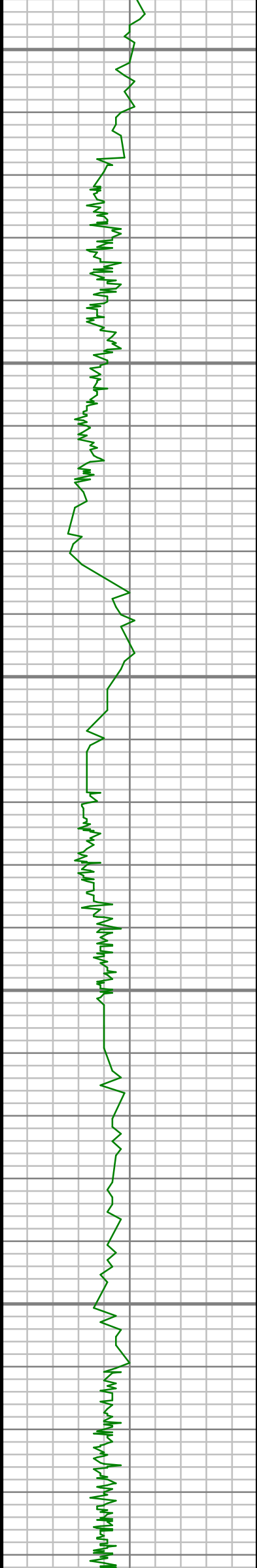
11250

11300



S: 130 MD: 11166.00 ft
Inc: 89.23 deg Az:
349.29 deg TVD:
7517.76 ft

S: 131 MD: 11260.00 ft
Inc: 87.41 deg Az:
349.91 deg TVD:
7520.52 ft



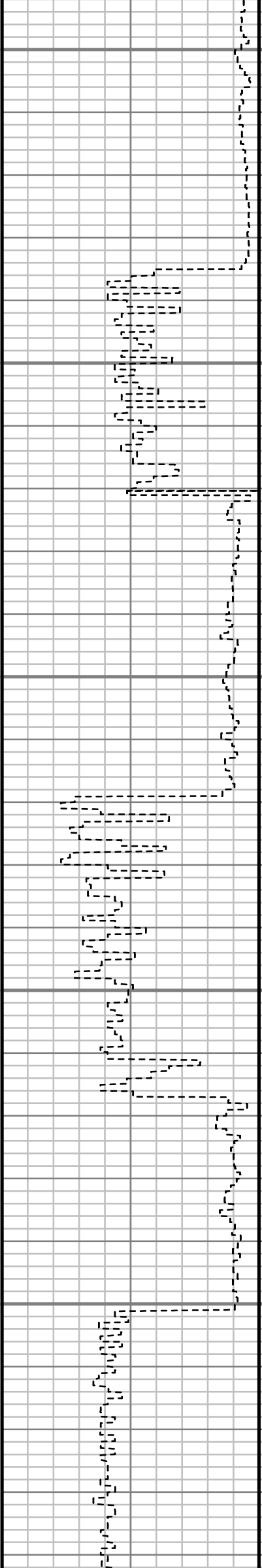
11350

11400

11450

11500

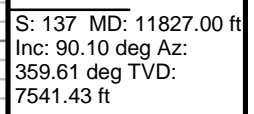
11550



S: 132 MD: 11355.00 ft
Inc: 85.86 deg Az:
351.89 deg TVD:
7526.09 ft

S: 133 MD: 11449.00 ft
Inc: 86.30 deg Az:
355.13 deg TVD:
7532.52 ft

S: 134 MD: 11544.00 ft
Inc: 87.48 deg Az:
356.54 deg TVD:
7537.67 ft





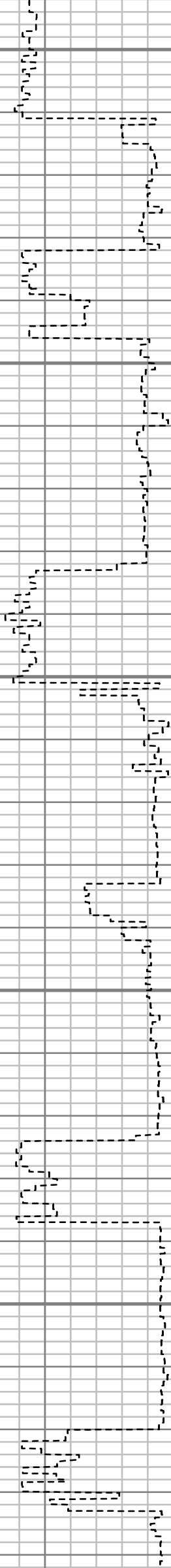
11850

11900

11950

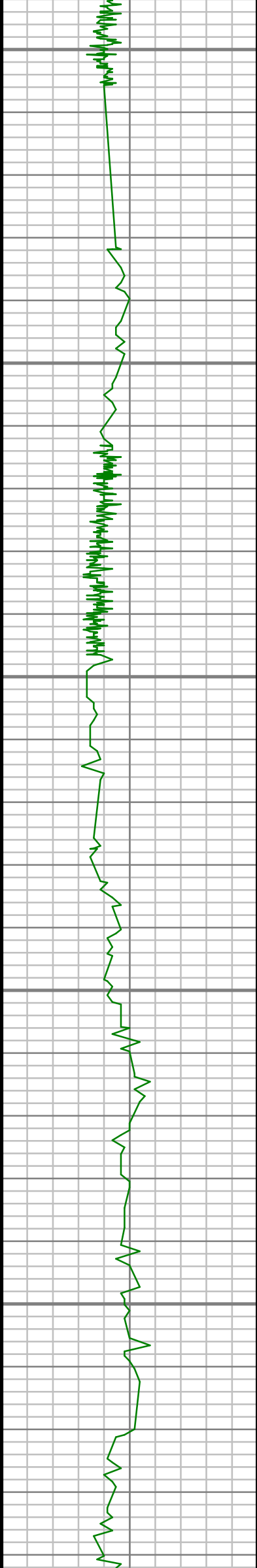
12000

12050



S: 138 MD: 11921.00 ft
Inc: 89.80 deg Az: 1.85
deg TVD: 7541.52 ft

S: 139 MD: 12016.00 ft
Inc: 89.13 deg Az: 5.08
deg TVD: 7542.41 ft



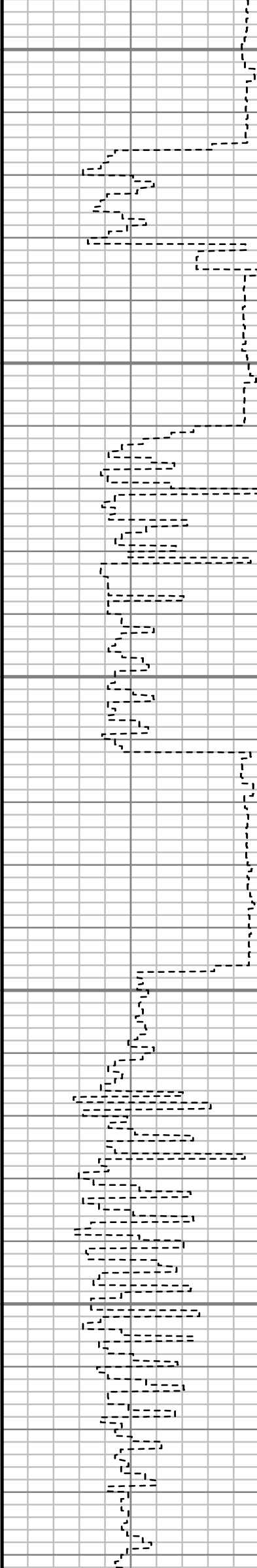
12100

12150

12200

12250

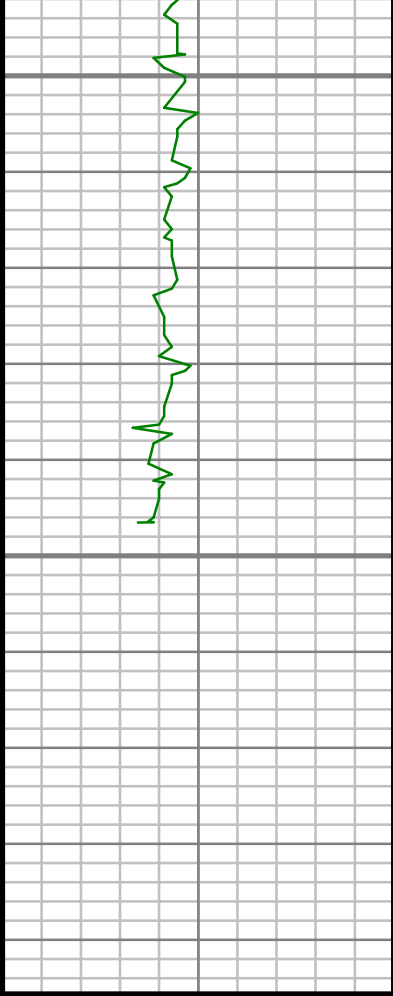
12300



S: 140 MD: 12110.00 ft
Inc: 90.91 deg Az: 7.83
deg TVD: 7542.38 ft

S: 141 MD: 12205.00 ft
Inc: 90.13 deg Az: 9.33
deg TVD: 7541.52 ft

S: 142 MD: 12299.00 ft
Inc: 91.55 deg Az: 9.69
deg TVD: 7540.14 ft

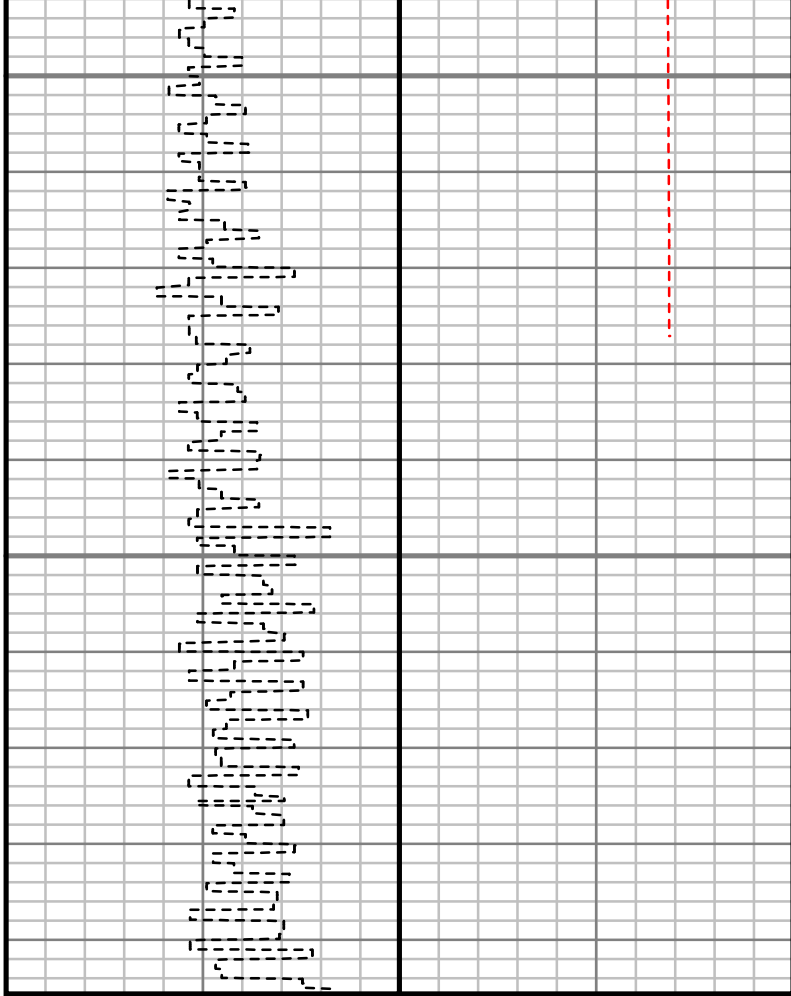


Gamma Ray (GR)		
0	Unit = aapi	150

12350

12400

MEASURED DEPTH
1:240 (ft)



S: 143 MD: 12393.00 ft
Inc: 92.76 deg Az: 8.39
deg TVD: 7536.61 ft

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

Tool Temperature (T-TEMP)		
0	Unit = °F	300

Comments

Customer Name:	ANADARKO PETROLEUM CORP.
Site Name:	NRC 29N-8HZ
Well Name:	NRC 29N-8HZ
Survey:	NRC 29N-8HZ
Survey Date:	3/16/2014
Magnetic Declination:	8.51 deg
North Reference:	True North
Calculation Method:	Minimum Curvature
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 0.00Azim (deg)

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
100.00	0.32	261.30	100.00	-0.04	-0.04	-0.28	0.32
200.00	0.50	122.06	200.00	-0.32	-0.32	-0.18	0.77
300.00	0.59	31.69	300.00	-0.11	-0.11	0.46	0.78
400.00	0.48	273.26	399.99	0.35	0.35	0.31	0.92
500.00	0.37	139.57	499.99	0.13	0.13	0.10	0.78
600.00	0.35	346.43	599.99	0.18	0.18	0.24	0.70
700.00	0.57	213.40	699.99	0.06	0.06	-0.11	0.85
800.00	0.33	64.16	799.99	-0.23	-0.23	-0.12	0.87

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
900.00	0.39	278.15	899.99	-0.05	-0.05	-0.20	0.69
1000.00	0.54	184.79	999.99	-0.47	-0.47	-0.57	0.68
1100.00	0.39	24.32	1099.98	-0.63	-0.63	-0.47	0.92
1122.00	0.40	67.22	1121.98	-0.54	-0.54	-0.37	1.31
1271.00	0.23	3.52	1270.98	-0.03	-0.03	0.13	0.24
1363.00	1.31	259.00	1362.97	-0.04	-0.04	-0.89	1.51
1455.00	3.04	227.70	1454.91	-1.89	-1.89	-3.73	2.22
1547.00	4.05	224.71	1546.73	-5.84	-5.84	-7.83	1.12
1638.00	4.06	225.74	1637.50	-10.38	-10.38	-12.40	0.08
1730.00	4.73	225.89	1729.23	-15.30	-15.30	-17.46	0.73
1821.00	6.05	227.01	1819.82	-21.18	-21.18	-23.66	1.45
1913.00	7.00	224.25	1911.23	-28.50	-28.50	-31.12	1.09
2005.00	7.35	216.99	2002.51	-37.22	-37.22	-38.57	1.06
2096.00	10.02	218.32	2092.46	-48.08	-48.08	-46.98	2.94
2188.00	10.76	218.93	2182.95	-61.04	-61.04	-57.34	0.81
2280.00	10.86	218.58	2273.32	-74.49	-74.49	-68.14	0.13
2372.00	10.56	219.92	2363.72	-87.73	-87.73	-78.95	0.42
2464.00	11.42	220.04	2454.03	-101.17	-101.17	-90.22	0.93
2556.00	10.42	217.28	2544.36	-114.76	-114.76	-101.12	1.22
2648.00	10.79	218.89	2634.79	-128.08	-128.08	-111.56	0.51

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
2740.00	9.69	222.09	2725.33	-140.53	-140.53	-122.15	1.34
2834.00	10.33	220.99	2817.89	-152.76	-152.76	-132.99	0.72
2928.00	10.06	222.38	2910.41	-165.19	-165.19	-144.05	0.39
3022.00	11.47	220.20	3002.75	-178.39	-178.39	-155.62	1.56
3117.00	10.27	220.60	3096.05	-192.03	-192.03	-167.22	1.26
3211.00	9.79	217.13	3188.61	-204.77	-204.77	-177.50	0.82
3306.00	10.50	223.53	3282.13	-217.48	-217.48	-188.34	1.40
3400.00	10.75	221.87	3374.52	-230.22	-230.22	-200.09	0.42
3495.00	9.88	222.24	3467.98	-242.85	-242.85	-211.48	0.92
3589.00	8.91	218.47	3560.72	-254.52	-254.52	-221.43	1.22
3684.00	10.69	224.09	3654.33	-266.62	-266.62	-232.15	2.12
3778.00	11.54	224.50	3746.57	-279.59	-279.59	-244.80	0.90
3872.00	12.07	224.48	3838.58	-293.30	-293.30	-258.28	0.57
3967.00	10.77	216.29	3931.70	-307.55	-307.55	-270.49	2.18
4061.00	9.17	215.20	4024.28	-320.75	-320.75	-280.01	1.71
4155.00	9.67	230.79	4117.03	-331.87	-331.87	-290.45	2.76
4250.00	10.98	224.63	4210.49	-343.35	-343.35	-302.99	1.80
4344.00	11.76	222.64	4302.64	-356.77	-356.77	-315.77	0.93
4439.00	12.24	219.43	4395.57	-371.67	-371.67	-328.72	0.86

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
4533.00	10.35	216.32	4487.74	-386.17	-386.17	-340.05	2.11
4627.00	10.17	220.43	4580.24	-399.29	-399.29	-350.44	0.80
4722.00	9.01	216.80	4673.91	-411.63	-411.63	-360.33	1.38
4816.00	10.17	212.55	4766.60	-424.52	-424.52	-369.20	1.45
4911.00	12.33	214.03	4859.77	-440.00	-440.00	-379.39	2.29
5005.00	11.68	212.54	4951.71	-456.34	-456.34	-390.13	0.76
5100.00	10.93	219.81	5044.87	-471.37	-471.37	-401.07	1.70
5194.00	10.27	223.93	5137.27	-484.25	-484.25	-412.59	1.07
5289.00	10.61	223.27	5230.70	-496.71	-496.71	-424.46	0.38
5477.00	8.84	222.12	5415.99	-520.04	-520.04	-446.02	0.95
5572.00	9.16	218.85	5509.82	-531.34	-531.34	-455.66	0.64
5666.00	10.56	221.26	5602.43	-543.65	-543.65	-466.04	1.55
5760.00	10.39	221.17	5694.86	-556.51	-556.51	-477.31	0.19
5854.00	11.72	214.43	5787.12	-570.77	-570.77	-488.28	1.97
5949.00	10.43	210.12	5880.35	-586.16	-586.16	-498.06	1.61
6043.00	9.28	212.73	5972.96	-599.90	-599.90	-506.42	1.31
6138.00	9.60	213.08	6066.67	-612.98	-612.98	-514.89	0.35
6232.00	9.02	216.91	6159.43	-625.44	-625.44	-523.59	0.91
6326.00	10.24	231.42	6252.12	-636.54	-636.54	-534.55	2.88
6421.00	8.02	232.98	6345.91	-645.80	-645.80	-546.45	2.35

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
6515.00	10.37	215.27	6438.71	-656.67	-656.67	-556.57	3.88
6610.00	10.00	216.62	6532.22	-670.27	-670.27	-566.43	0.46
6704.00	9.77	221.02	6624.82	-682.84	-682.84	-576.54	0.84
6751.00	8.53	214.50	6671.23	-688.72	-688.72	-581.13	3.44
6799.00	7.78	228.08	6718.74	-693.82	-693.82	-585.56	4.29
6846.00	7.68	253.69	6765.33	-696.83	-696.83	-590.94	7.27
6893.00	8.72	279.63	6811.87	-697.11	-697.11	-597.47	8.09
6940.00	10.17	287.76	6858.23	-695.25	-695.25	-604.93	4.19
6987.00	8.71	307.80	6904.61	-691.81	-691.81	-611.70	7.60
7034.00	8.80	330.49	6951.07	-686.49	-686.49	-616.28	7.30
7082.00	11.70	336.87	6998.30	-678.82	-678.82	-620.00	6.47
7129.00	15.78	333.94	7043.95	-668.69	-668.69	-624.69	8.81
7176.00	20.40	333.48	7088.61	-655.61	-655.61	-631.16	9.83
7223.00	24.77	333.30	7132.00	-639.48	-639.48	-639.24	9.30
7270.00	28.76	335.46	7173.95	-620.39	-620.39	-648.36	8.73
7317.00	32.17	339.31	7214.46	-598.39	-598.39	-657.48	8.37
7365.00	36.12	338.60	7254.18	-573.25	-573.25	-667.16	8.25
7412.00	40.81	338.66	7290.97	-546.03	-546.03	-677.81	9.98
7459.00	44.40	340.63	7325.56	-516.21	-516.21	-688.86	8.15

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
7506.00	48.88	344.09	7357.83	-483.65	-483.65	-699.17	10.94
7553.00	55.28	347.03	7386.70	-447.76	-447.76	-708.37	14.48
7600.00	60.00	349.26	7411.85	-408.91	-408.91	-716.50	10.82
7647.00	64.88	350.64	7433.59	-367.90	-367.90	-723.76	10.69
7694.00	67.25	353.41	7452.67	-325.36	-325.36	-729.71	7.38
7742.00	68.87	356.69	7470.60	-281.02	-281.02	-733.55	7.19
7789.00	71.71	0.17	7486.46	-236.80	-236.80	-734.75	9.22
7836.00	75.81	359.62	7499.60	-191.68	-191.68	-734.83	8.80
7883.00	79.95	358.81	7509.46	-145.75	-145.75	-735.46	8.97
7957.00	88.59	359.04	7516.84	-72.20	-72.20	-736.84	11.68
8051.00	90.71	357.95	7517.42	21.76	21.76	-739.31	2.53
8145.00	89.87	358.01	7516.95	115.70	115.70	-742.62	0.90
8240.00	89.73	358.85	7517.29	210.66	210.66	-745.23	0.89
8334.00	88.59	359.72	7518.67	304.64	304.64	-746.40	1.53
8429.00	90.23	0.71	7519.64	399.63	399.63	-746.05	2.02
8523.00	89.19	1.05	7520.11	493.62	493.62	-744.61	1.17
8617.00	90.17	1.08	7520.63	587.60	587.60	-742.86	1.04
8712.00	90.44	0.65	7520.13	682.59	682.59	-741.43	0.54
8806.00	90.24	0.87	7519.58	776.58	776.58	-740.19	0.32
8901.00	91.91	0.66	7517.80	871.55	871.55	-738.91	1.78

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
8995.00	92.22	0.22	7514.41	965.49	965.49	-738.19	0.57
9089.00	91.18	358.86	7511.63	1059.44	1059.44	-738.94	1.82
9184.00	90.81	358.01	7509.99	1154.39	1154.39	-741.53	0.98
9278.00	89.46	356.95	7509.77	1248.29	1248.29	-745.66	1.82
9373.00	88.72	358.52	7511.27	1343.20	1343.20	-749.42	1.83
9467.00	87.95	359.14	7514.00	1437.14	1437.14	-751.34	1.06
9561.00	88.18	358.27	7517.17	1531.06	1531.06	-753.47	0.96
9656.00	88.42	359.50	7519.98	1626.00	1626.00	-755.32	1.32
9750.00	87.58	0.81	7523.26	1719.94	1719.94	-755.07	1.66
9845.00	88.39	0.93	7526.61	1814.87	1814.87	-753.63	0.86
9939.00	89.60	1.16	7528.26	1908.84	1908.84	-751.91	1.31
10034.00	90.13	1.04	7528.48	2003.82	2003.82	-750.09	0.58
10128.00	92.28	0.34	7526.50	2097.79	2097.79	-748.96	2.41
10223.00	93.13	359.29	7522.01	2192.68	2192.68	-749.27	1.42
10317.00	91.92	358.02	7517.87	2286.56	2286.56	-751.48	1.87
10411.00	90.17	356.98	7516.15	2380.45	2380.45	-755.58	2.17
10506.00	88.02	357.57	7517.66	2475.32	2475.32	-760.09	2.35
10600.00	89.70	356.86	7519.53	2569.19	2569.19	-764.66	1.94
10694.00	89.76	354.94	7519.97	2662.94	2662.94	-771.38	2.05

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
10789.00	90.61	353.58	7519.67	2757.46	2757.46	-780.88	1.68
10883.00	90.87	352.01	7518.45	2850.71	2850.71	-792.67	1.70
10977.00	91.01	350.60	7516.91	2943.61	2943.61	-806.88	1.51
11072.00	89.36	349.31	7516.60	3037.15	3037.15	-823.46	2.20
11166.00	89.23	349.29	7517.76	3129.51	3129.51	-840.91	0.14
11260.00	87.41	349.91	7520.52	3221.92	3221.92	-857.87	2.04
11355.00	85.86	351.89	7526.09	3315.56	3315.56	-872.86	2.64
11449.00	86.30	355.13	7532.52	3408.72	3408.72	-883.47	3.47
11544.00	87.48	356.54	7537.67	3503.33	3503.33	-890.35	1.94
11638.00	88.89	357.75	7540.65	3597.16	3597.16	-895.03	1.98
11733.00	90.03	358.66	7541.54	3692.11	3692.11	-898.01	1.54
11827.00	90.10	359.61	7541.43	3786.10	3786.10	-899.42	1.01
11921.00	89.80	1.85	7541.52	3880.08	3880.08	-898.22	2.41
12016.00	89.13	5.08	7542.41	3974.89	3974.89	-892.48	3.47
12110.00	90.91	7.83	7542.38	4068.28	4068.28	-881.91	3.48
12205.00	90.13	9.33	7541.52	4162.21	4162.21	-867.74	1.77
12299.00	91.55	9.69	7540.14	4254.91	4254.91	-852.21	1.55
12393.00	92.76	8.39	7536.61	4347.67	4347.67	-837.46	1.89

5" = 100' FEET MD