



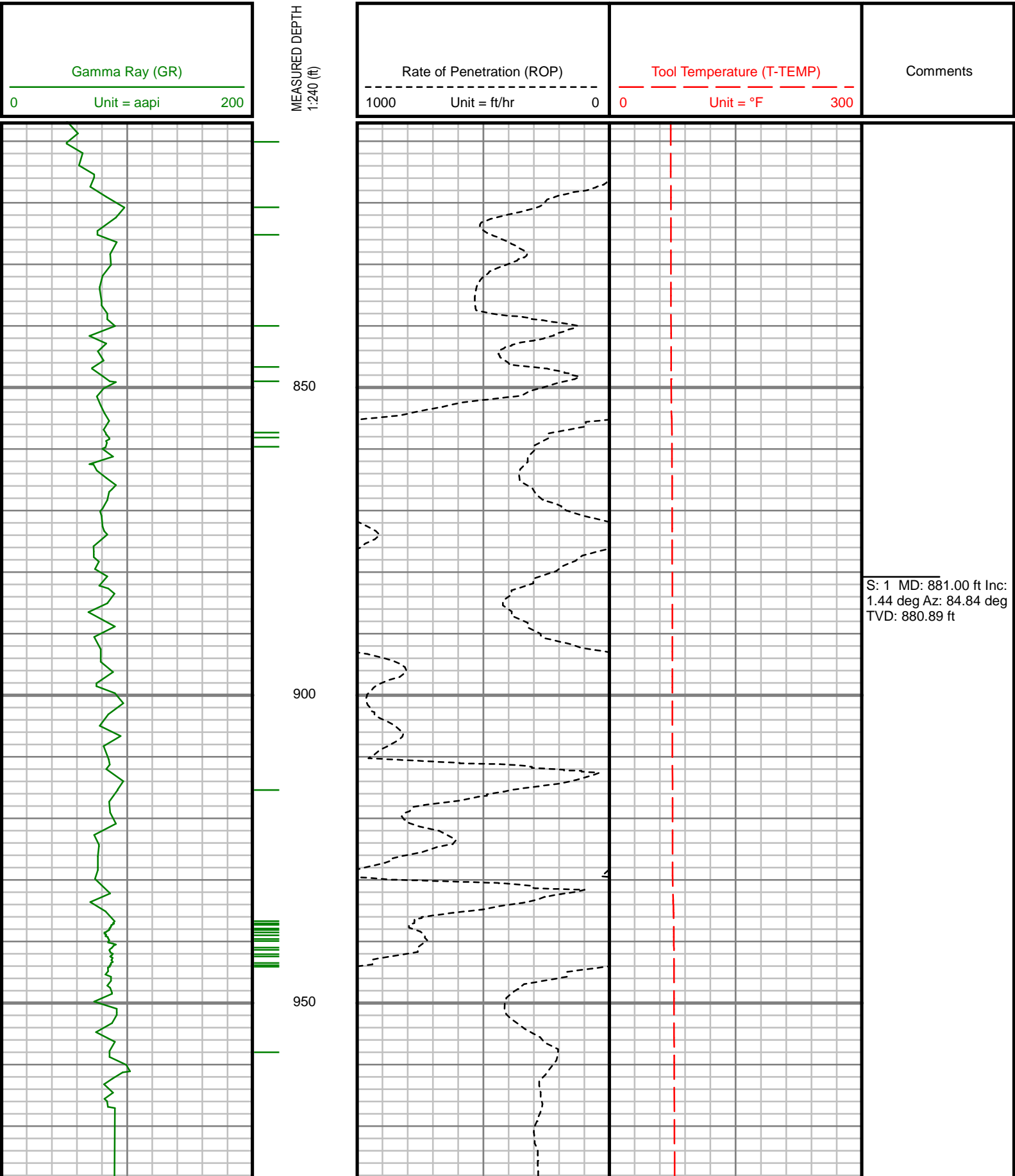
GAMMA RAY

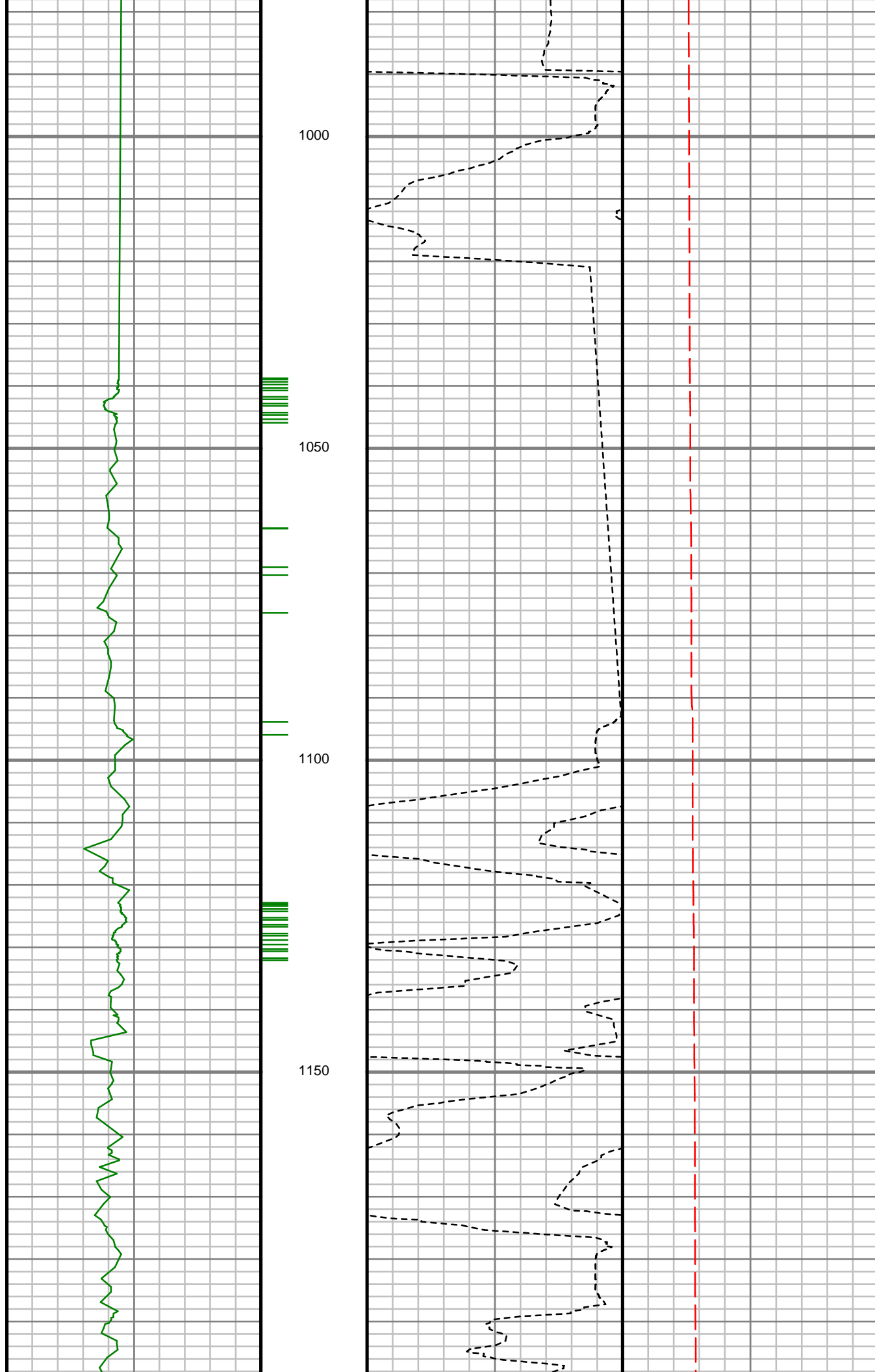
5" = 100' MD

COMPANY : HIGHPOINT RESOURCES CORPORATION WELL : ANSCHUTZ STATE 5-62-26-6457CN FIELD : WATTENBERG COUNTY : U.S.A. STATE : COLORADO COUNTRY : WELD UWI : 05-123-46082				COMPANY : HIGHPOINT RESOURCES CORPORATION WELL : ANSCHUTZ STATE 5-62-26-6457CN FIELD : WATTENBERG COUNTY : U.S.A. STATE : COLORADO COUNTRY : WELD UWI : 05-123-46082			
DEPTH REF. : KB REF. HEIGHT : 16.500 ft GROUND LEVEL : 4656.100 ft		KB to Ground Level G.L. to MEAN SEA LEVEL		WELL LOCATION LAT:40°22'2.078"N LONG:104°18'5.630"W N:1378884.04 ft E:3333927.95 ft SEC:27 TWP:5N RANGE:62W		OTHER SERVICES NAD83 DIRECTIONAL ROP	
BOREHOLE RECORD				DEVIATION RECORD			
HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft		
			0 - 1	0	881		
			1 - 25	881	2342		
			25 - 26	2342	3000		
			26 - 0	3000	4311		
			0 - 2	4311	5816		
			2 - 89	5816	6916		
CASING RECORD			89 - 91	6916	16664		
CASING SIZE in	FROM ft	TO ft					
9.625	0	817					
7.0	0	6793					
			DRILLING CO. : CADE RIG : 24 LMD UNIT NO. : KIT MDD PLDISTRICT : CASPER SPUD DATE : 02/26/2018 LMD START DATE : 04/30/2018 LMD END DATE : 05/07/2018 DEPTH : 817 ft DEPTH : 16664 ft TOTAL DEPTH : 16664 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.

HIGHPOINT RESOURCES CORPORATION
ANSCHUTZ STATE 5-62-26-6457CN
WATTENBERG FIELD
WELD COUNTY, COLORADO
API # 05-123-46082





1000

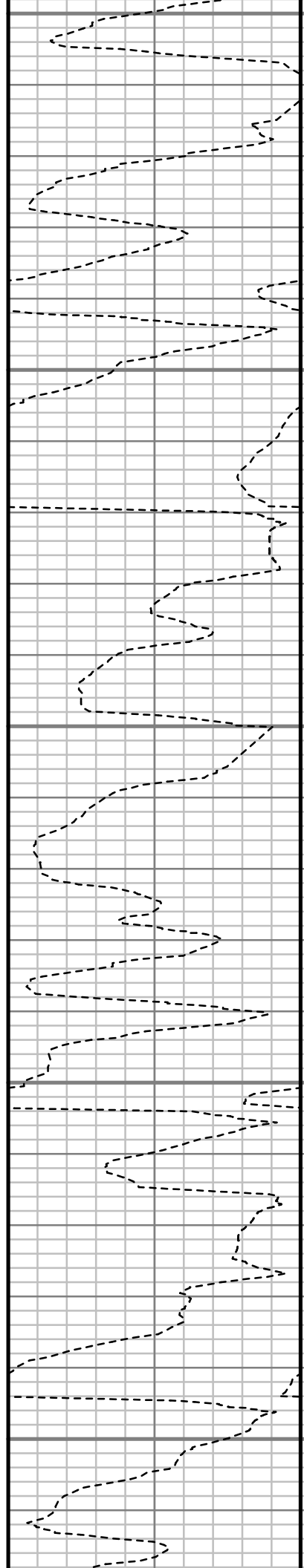
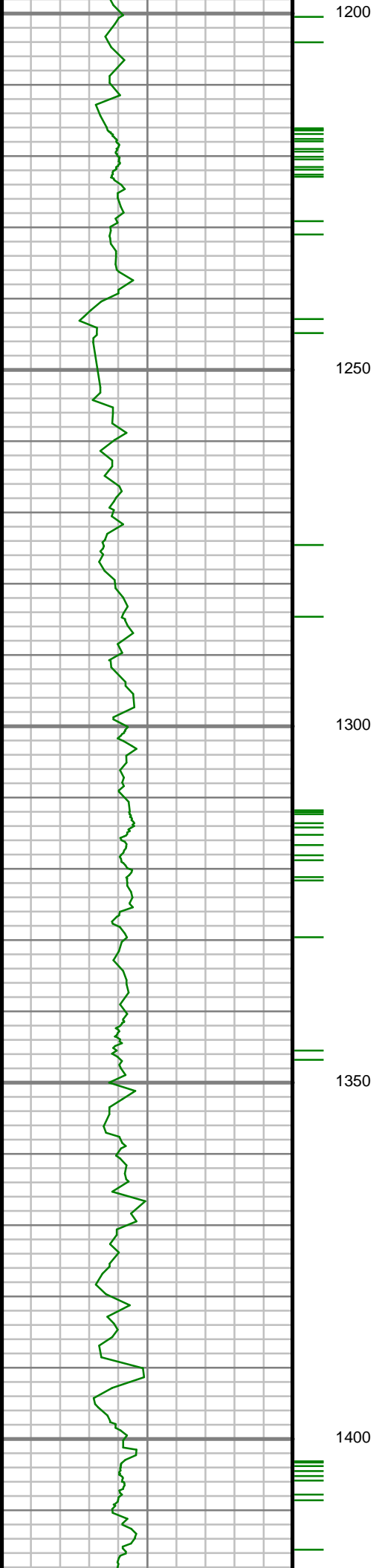
1050

1100

1150

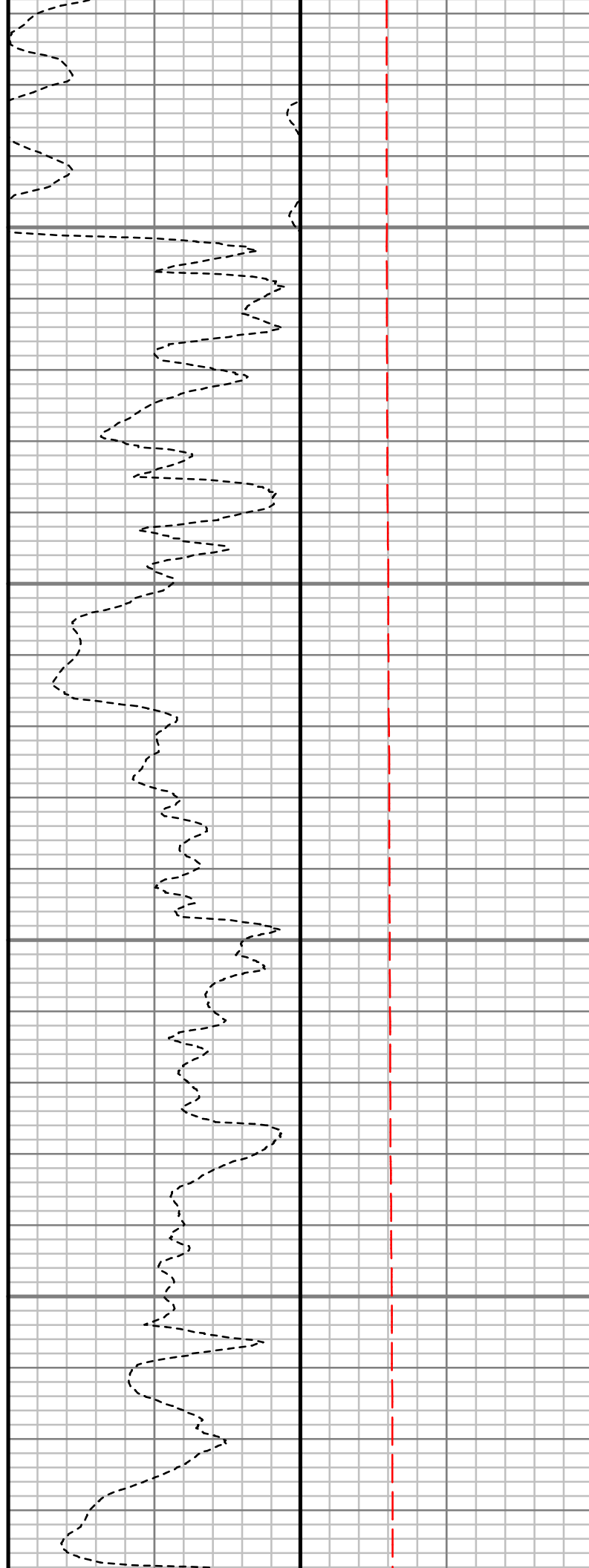
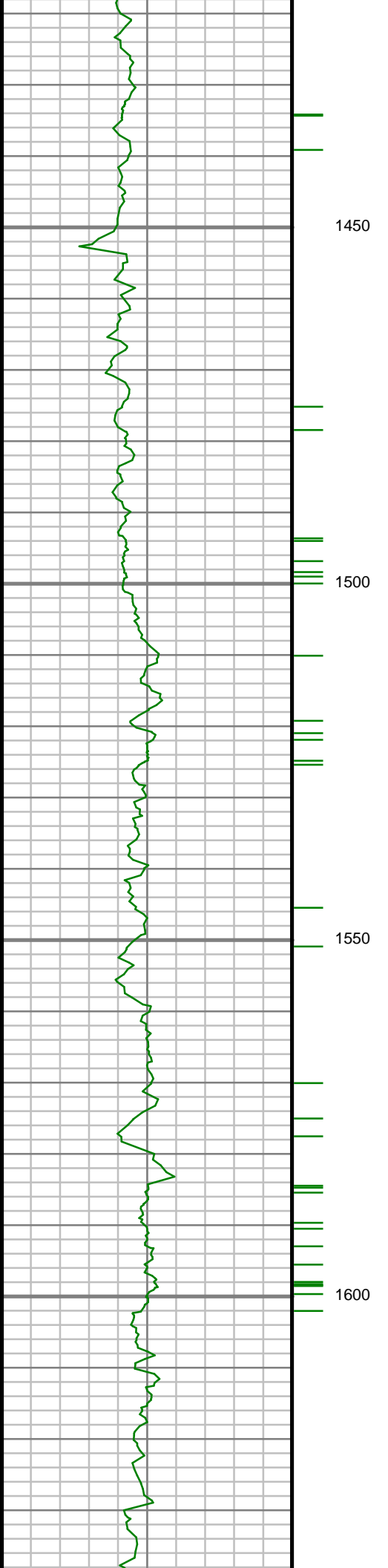
S: 2 MD: 1064.00 ft
Inc: 3.02 deg Az:
120.22 deg TVD:
1063.75 ft

S: 3 MD: 1155.00 ft
Inc: 4.64 deg Az:
139.43 deg TVD:
1154.55 ft



S: 4 MD: 1246.00 ft
Inc: 5.39 deg Az:
153.51 deg TVD:
1245.20 ft

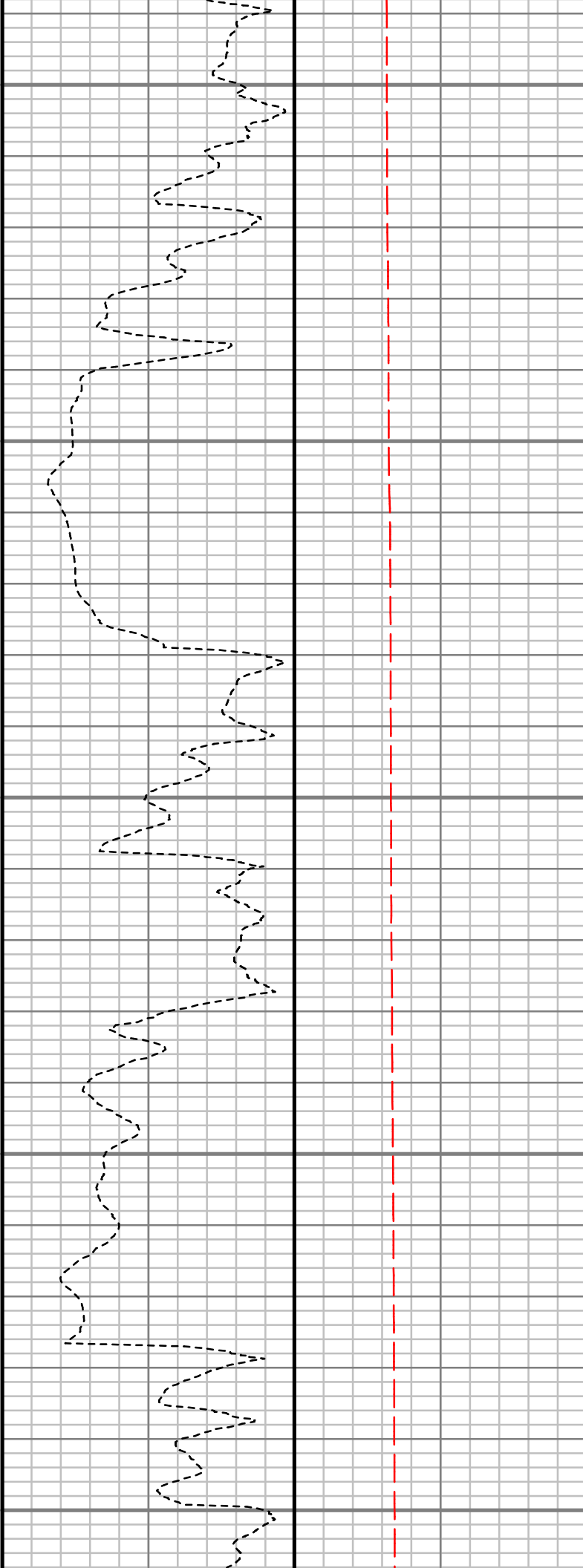
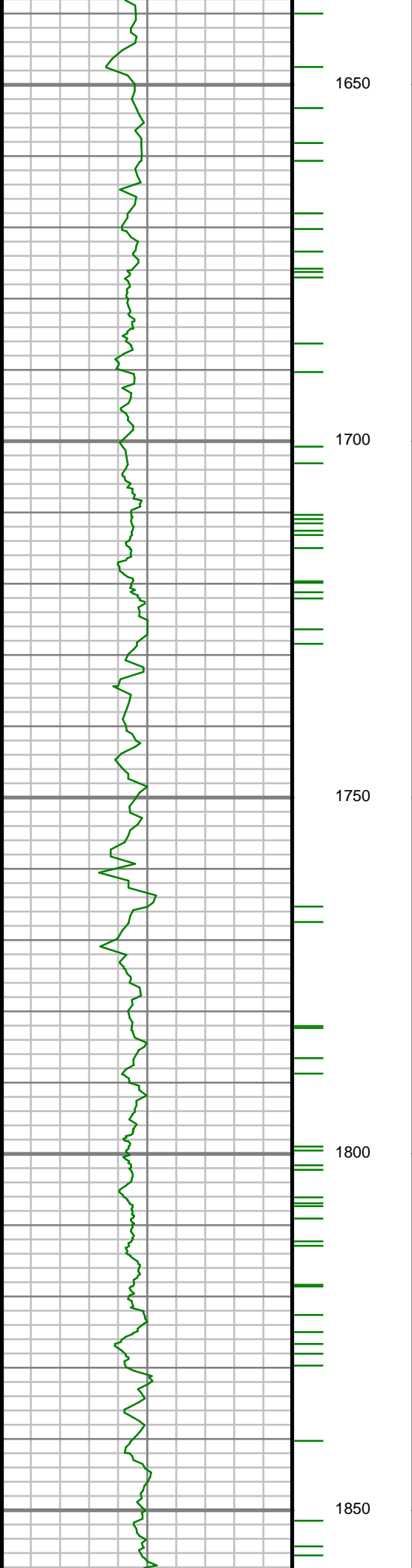
S: 5 MD: 1338.00 ft
Inc: 7.85 deg Az:
153.81 deg TVD:
1336.58 ft



S: 6 MD: 1429.00 ft
Inc: 9.69 deg Az:
152.29 deg TVD:
1426.52 ft

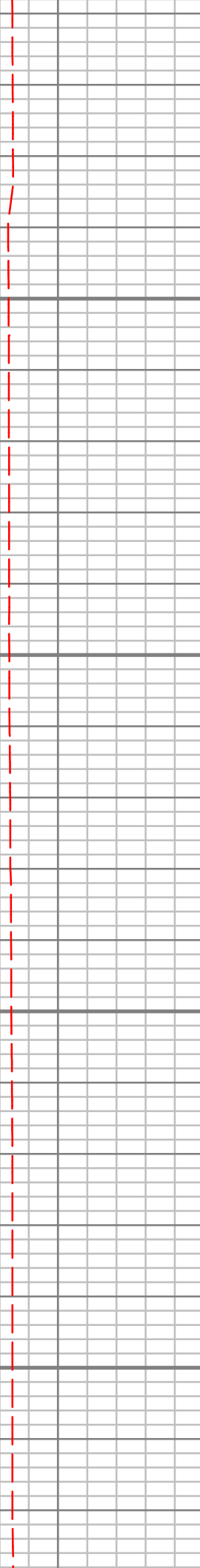
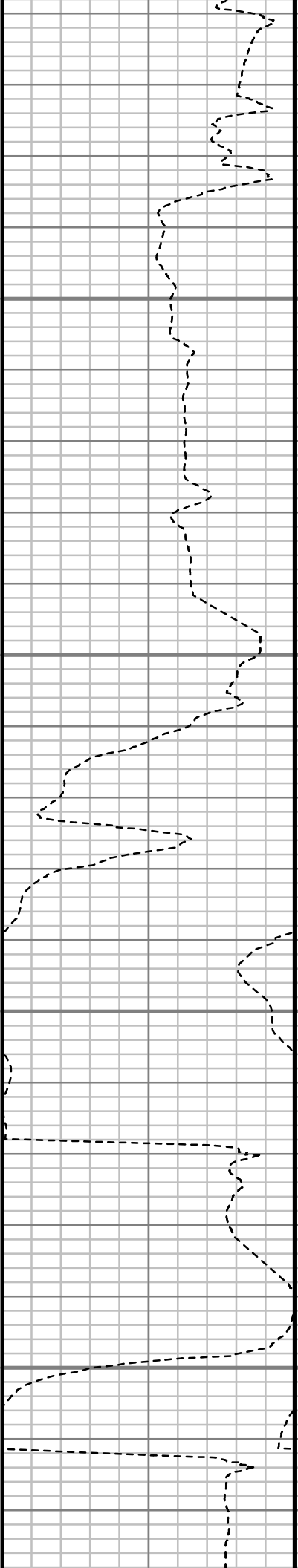
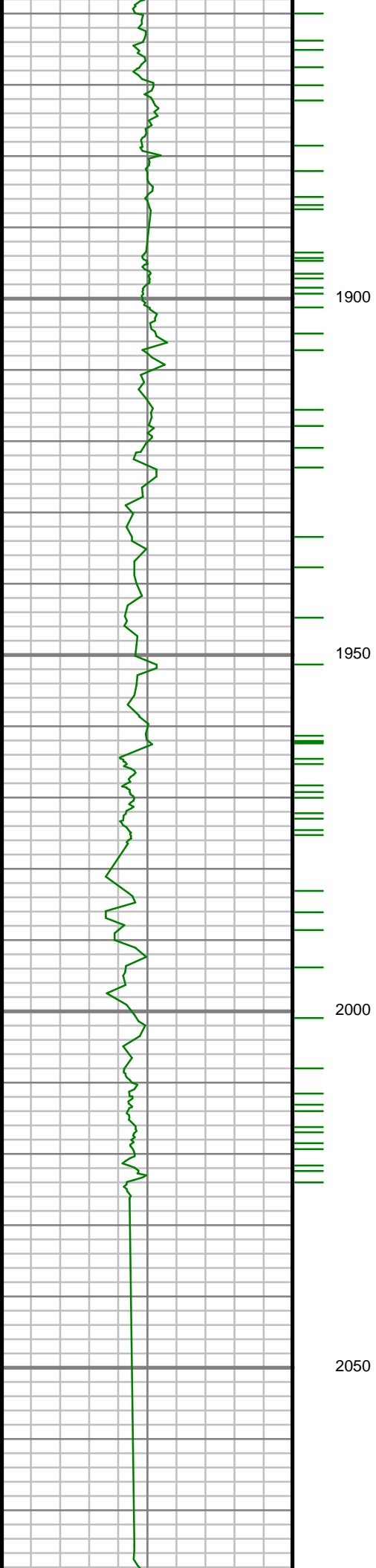
S: 7 MD: 1521.00 ft
Inc: 9.29 deg Az:
150.78 deg TVD:
1517.26 ft

S: 8 MD: 1612.00 ft
Inc: 10.32 deg Az:
152.74 deg TVD:
1606.93 ft



S: 9 MD: 1704.00 ft
Inc: 9.80 deg Az:
165.32 deg TVD:
1697.52 ft

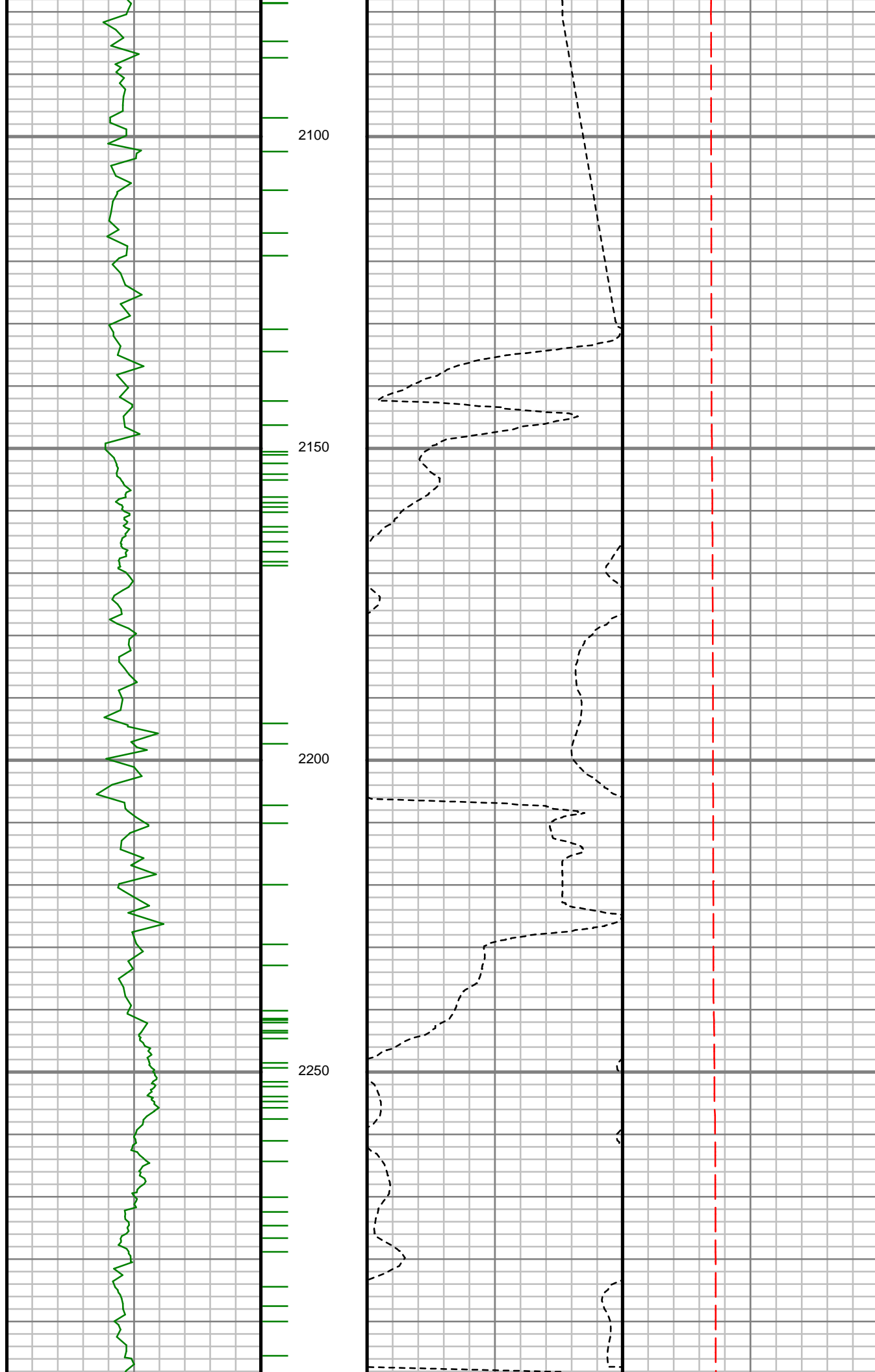
S: 10 MD: 1795.00 ft
Inc: 10.97 deg Az:
176.97 deg TVD:
1787.04 ft



S: 11 MD: 1886.00 ft
Inc: 12.68 deg Az:
173.30 deg TVD:
1876.10 ft

S: 12 MD: 1977.00 ft
Inc: 15.41 deg Az:
173.32 deg TVD:
1964.37 ft

S: 13 MD: 2069.00 ft
Inc: 16.88 deg Az:
170.44 deg TVD:
2052 74 ft



2100

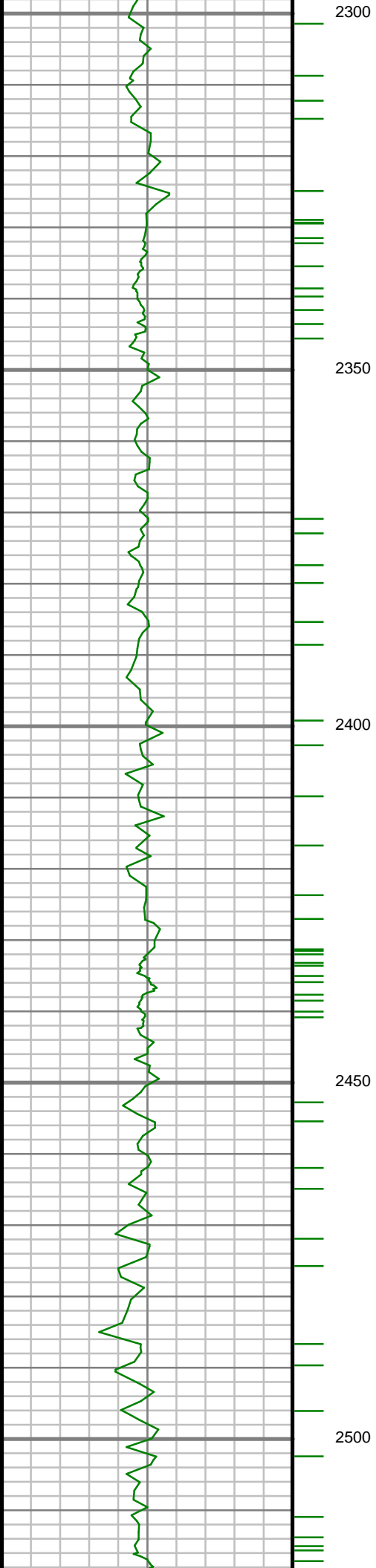
2150

2200

2250

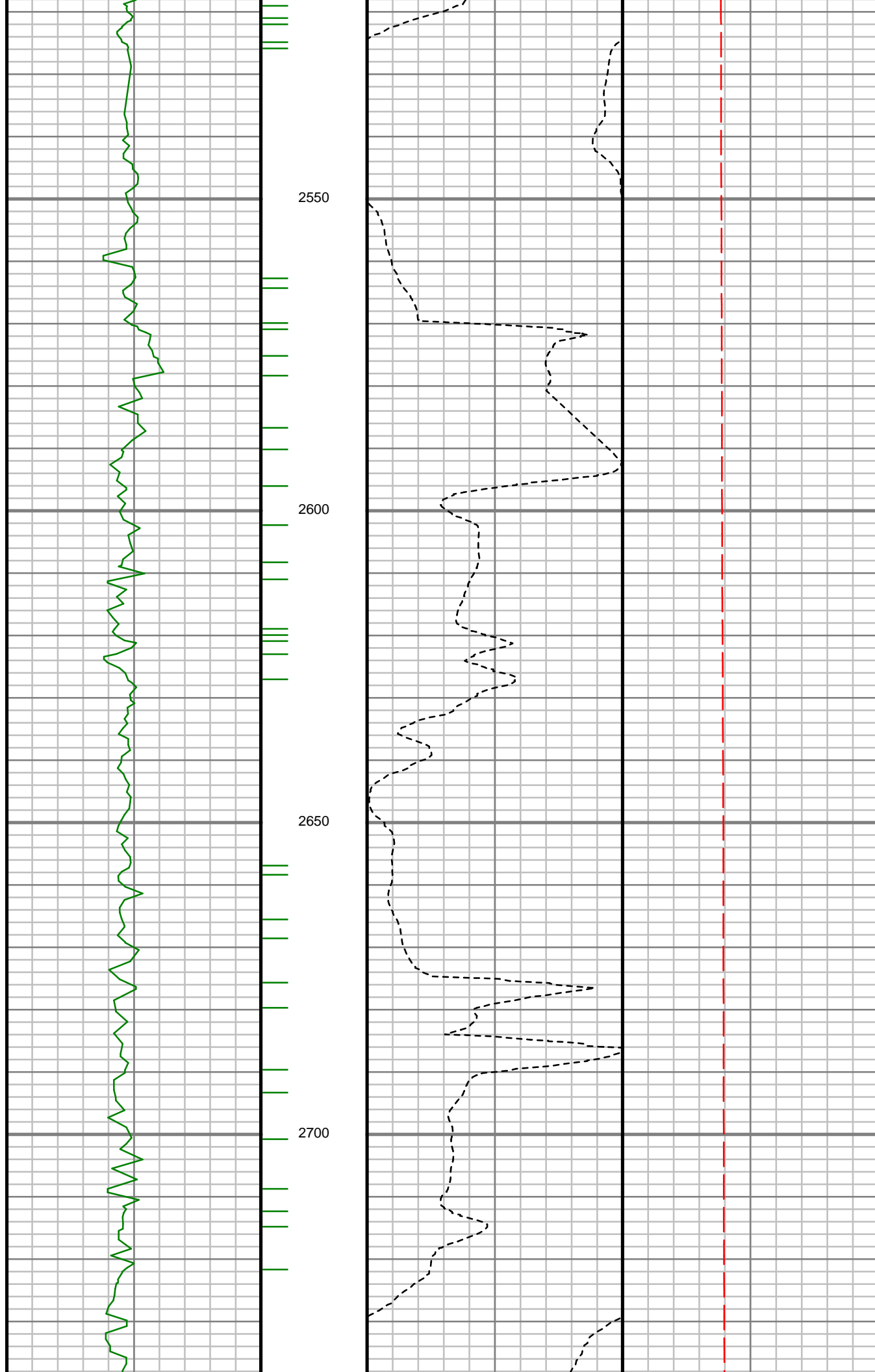
S: 14 MD: 2160.00 ft
Inc: 19.32 deg Az:
165.75 deg TVD:
2139.24 ft

S: 15 MD: 2251.00 ft
Inc: 20.60 deg Az:
163.12 deg TVD:
2224.78 ft



S: 16 MD: 2342.00 ft
Inc: 25.17 deg Az:
164.79 deg TVD:
2308.59 ft

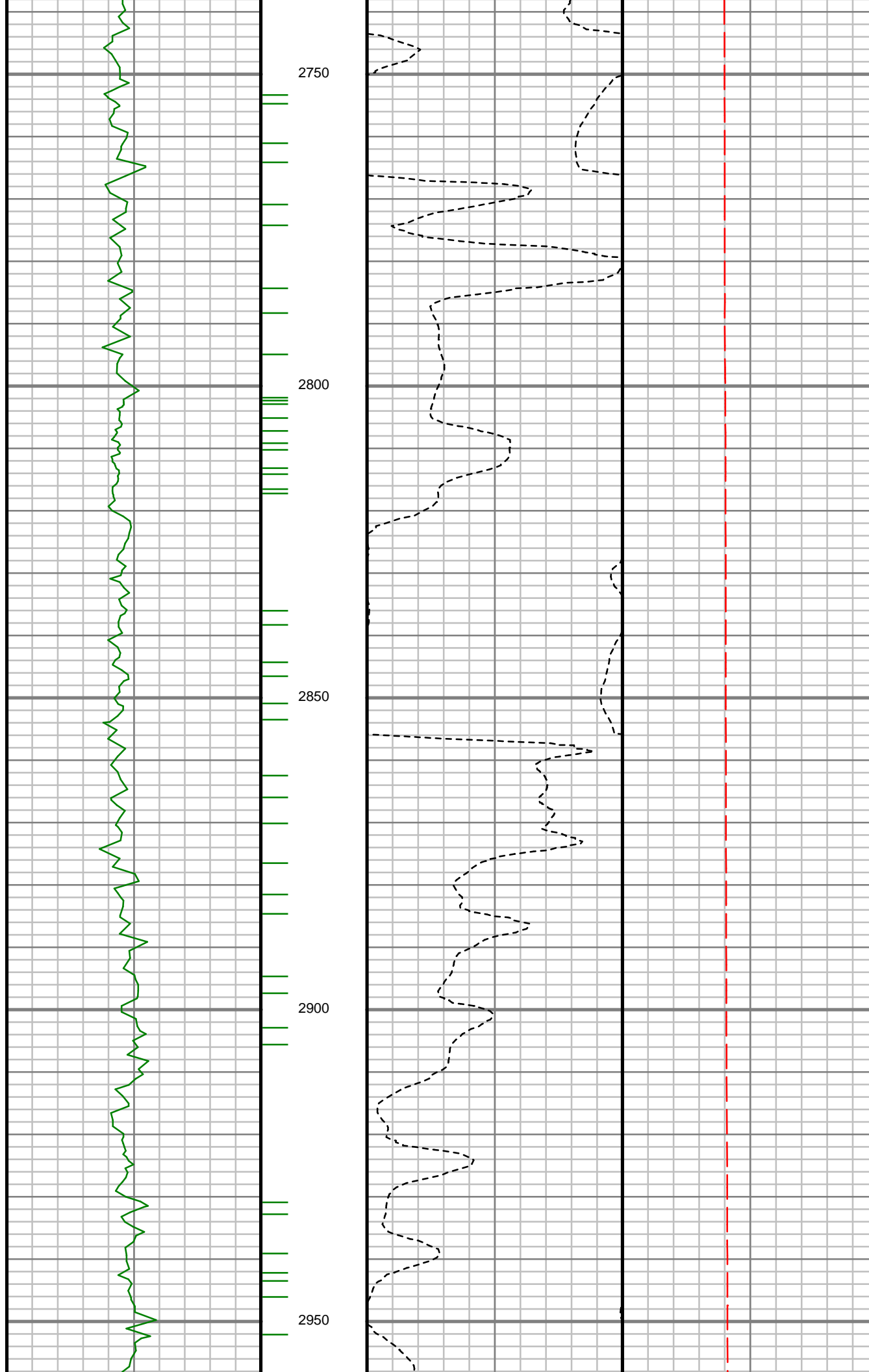
S: 17 MD: 2436.00 ft
Inc: 25.78 deg Az:
165.21 deg TVD:
2393.45 ft



S: 18 MD: 2530.00 ft
Inc: 26.04 deg Az:
164.18 deg TVD:
2478.00 ft

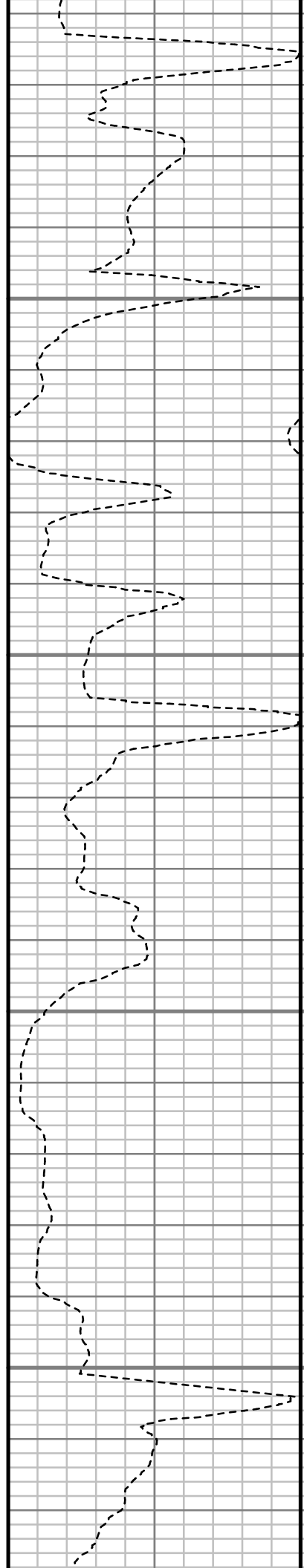
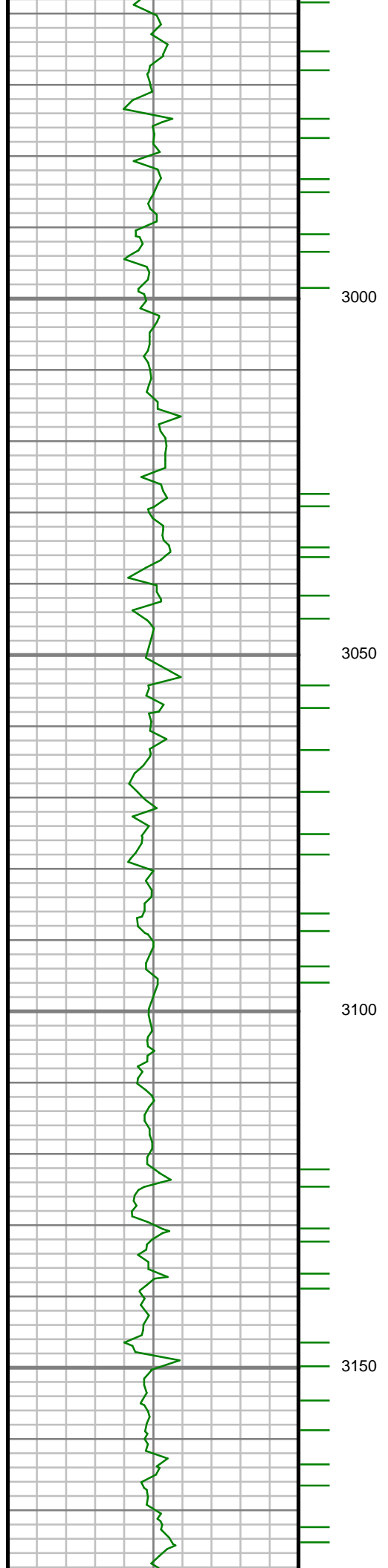
S: 19 MD: 2625.00 ft
Inc: 26.22 deg Az:
164.54 deg TVD:
2563.29 ft

S: 20 MD: 2718.00 ft
Inc: 25.23 deg Az:
163.26 deg TVD:
2647.07 ft



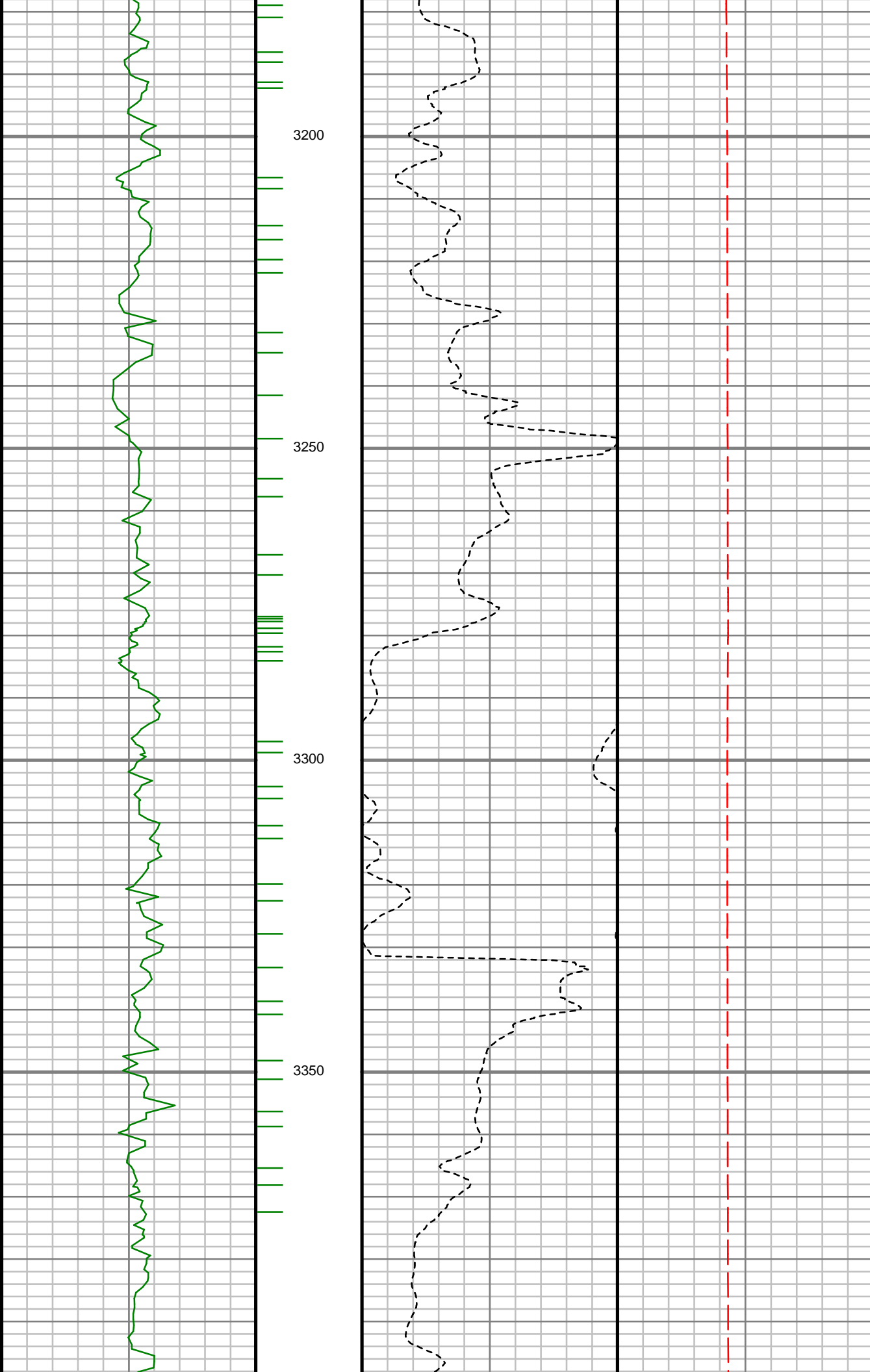
S: 21 MD: 2812.00 ft
Inc: 24.61 deg Az:
163.69 deg TVD:
2732.32 ft

S: 22 MD: 2906.00 ft
Inc: 26.18 deg Az:
164.00 deg TVD:
2817.23 ft



S: 23 MD: 3000.00 ft
Inc: 24.02 deg Az:
161.81 deg TVD:
2902.35 ft

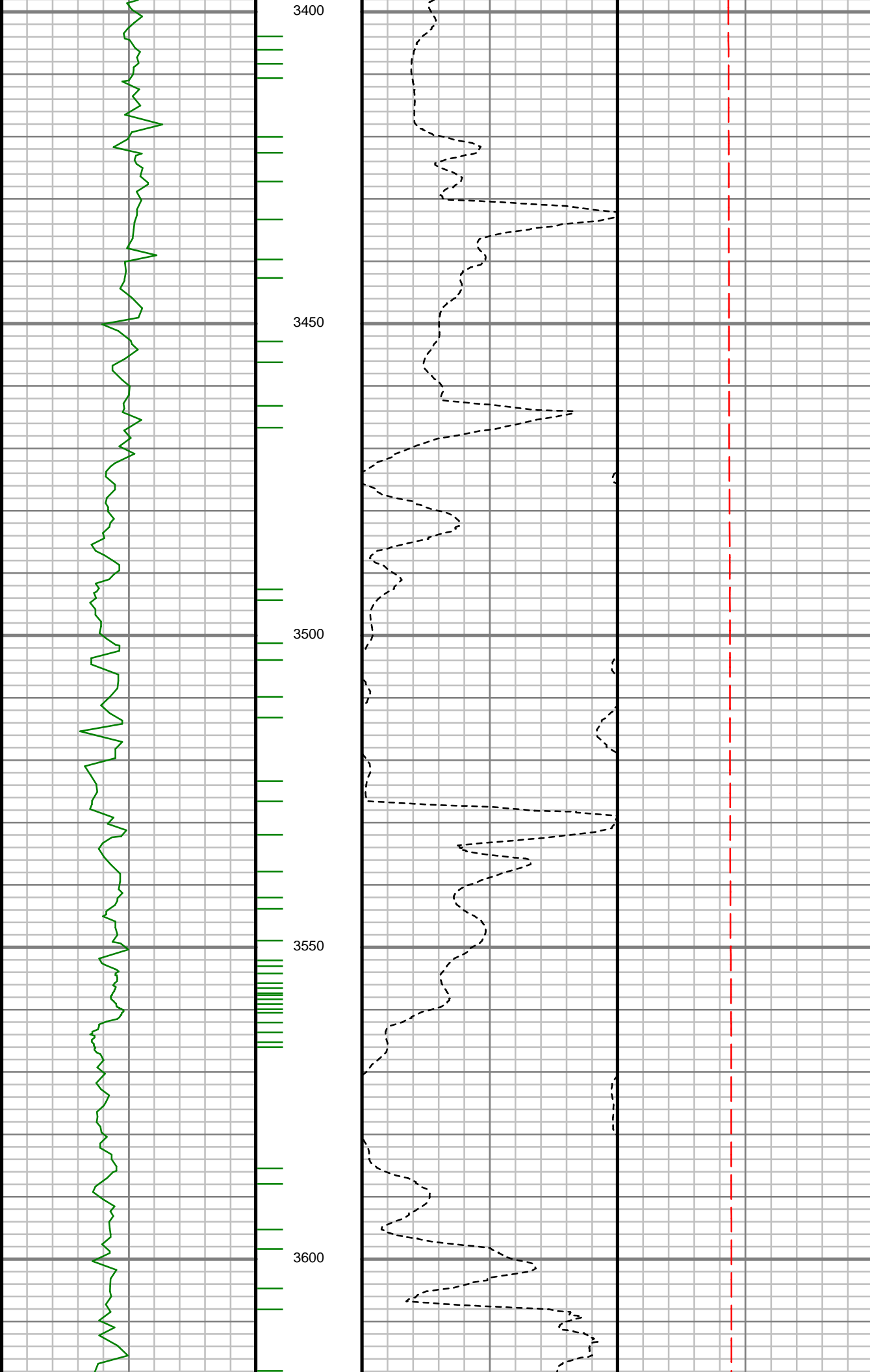
S: 24 MD: 3094.00 ft
Inc: 22.31 deg Az:
161.54 deg TVD:
2988.77 ft



S: 25 MD: 3188.00 ft
Inc: 20.78 deg Az:
157.48 deg TVD:
3076.20 ft

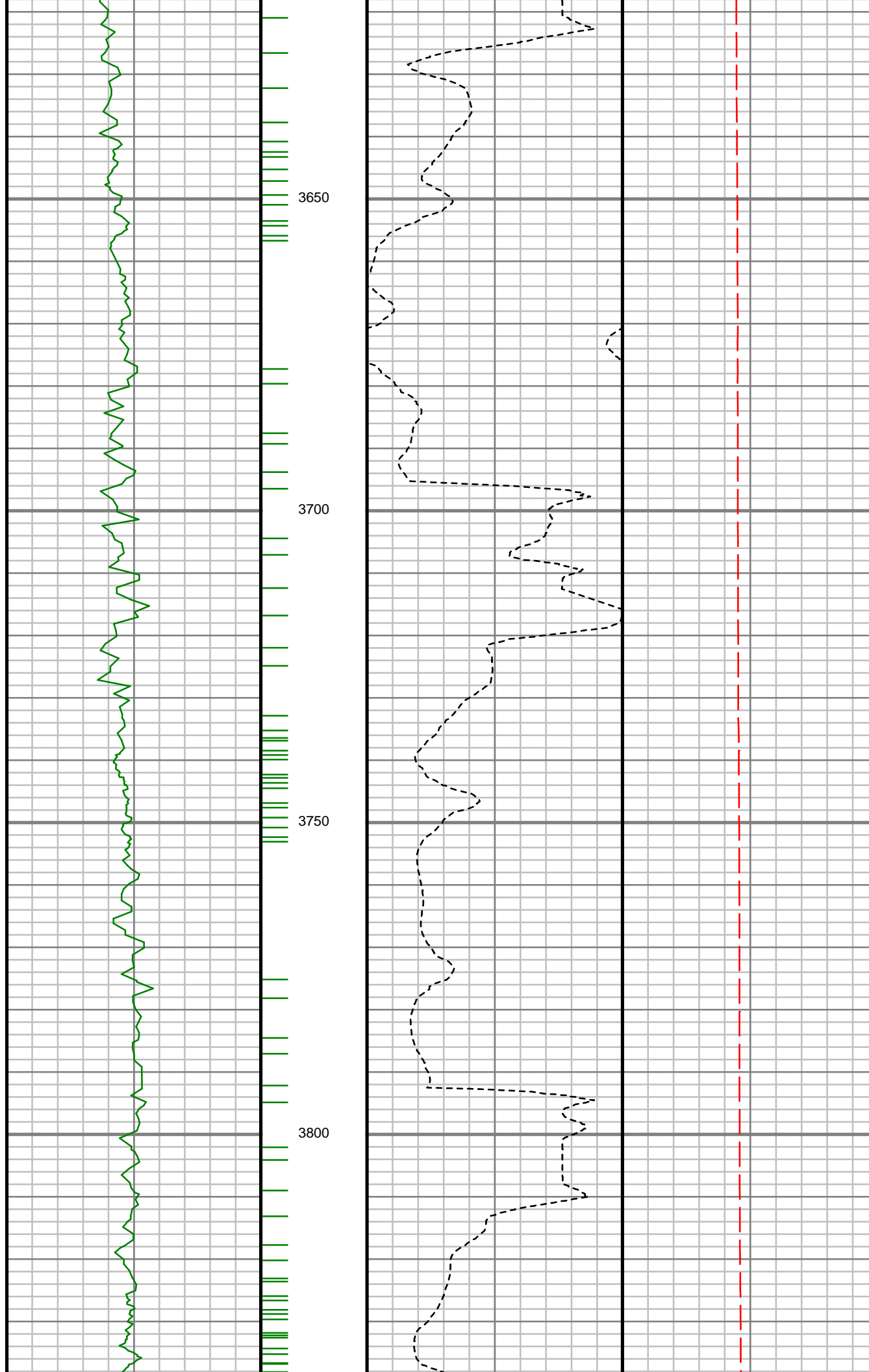
S: 26 MD: 3281.00 ft
Inc: 18.70 deg Az:
156.09 deg TVD:
3163.73 ft

S: 27 MD: 3375.00 ft
Inc: 16.06 deg Az:
153.32 deg TVD:
3253.43 ft



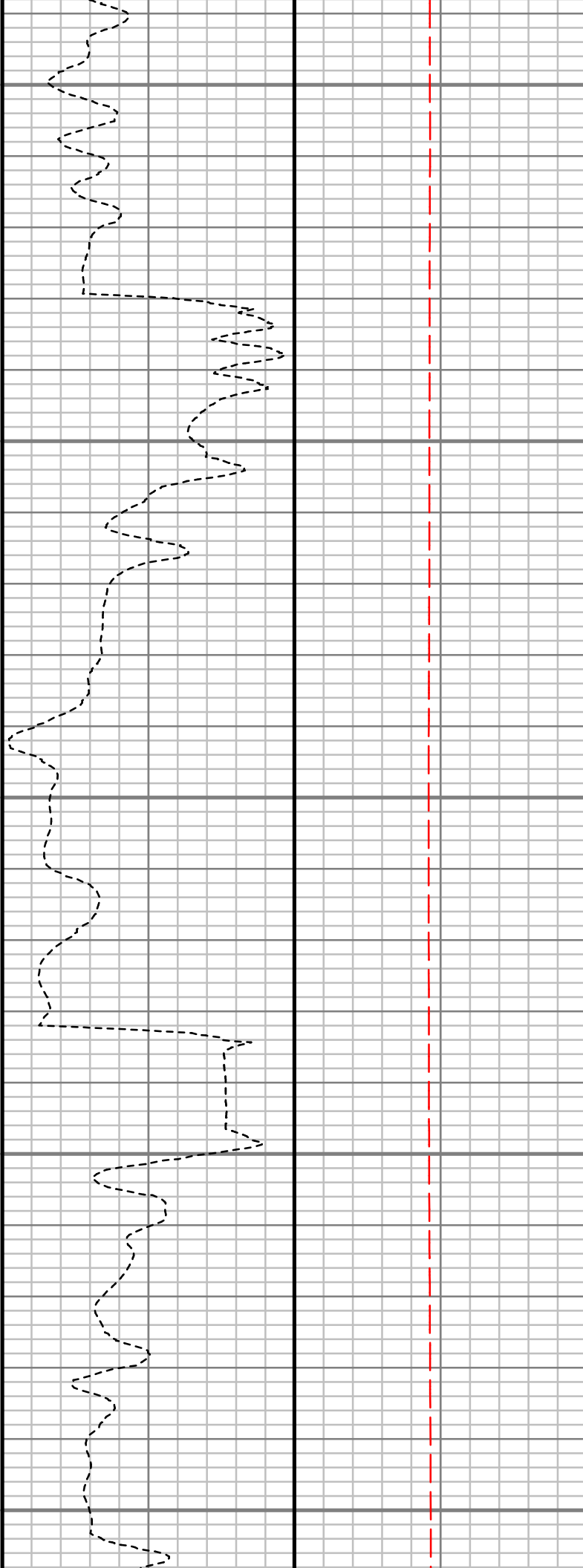
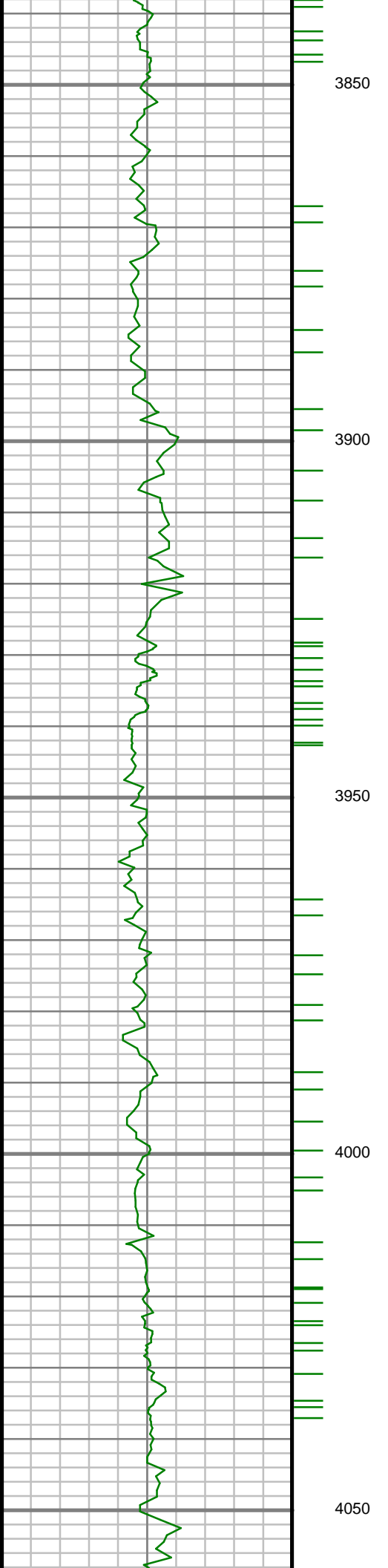
S: 28 MD: 3468.00 ft
Inc: 16.19 deg Az:
152.13 deg TVD:
3342.77 ft

S: 29 MD: 3562.00 ft
Inc: 16.83 deg Az:
150.19 deg TVD:
3432.90 ft



S: 30 MD: 3655.00 ft
Inc: 15.43 deg Az:
147.11 deg TVD:
3522.24 ft

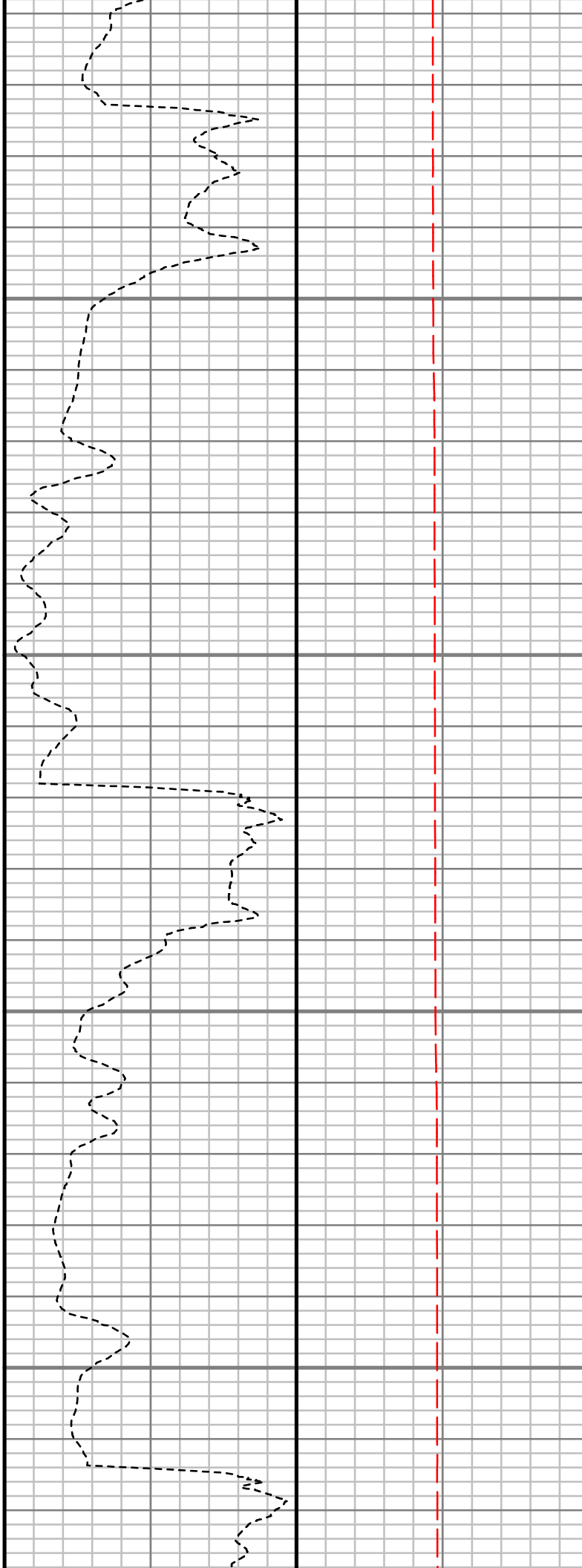
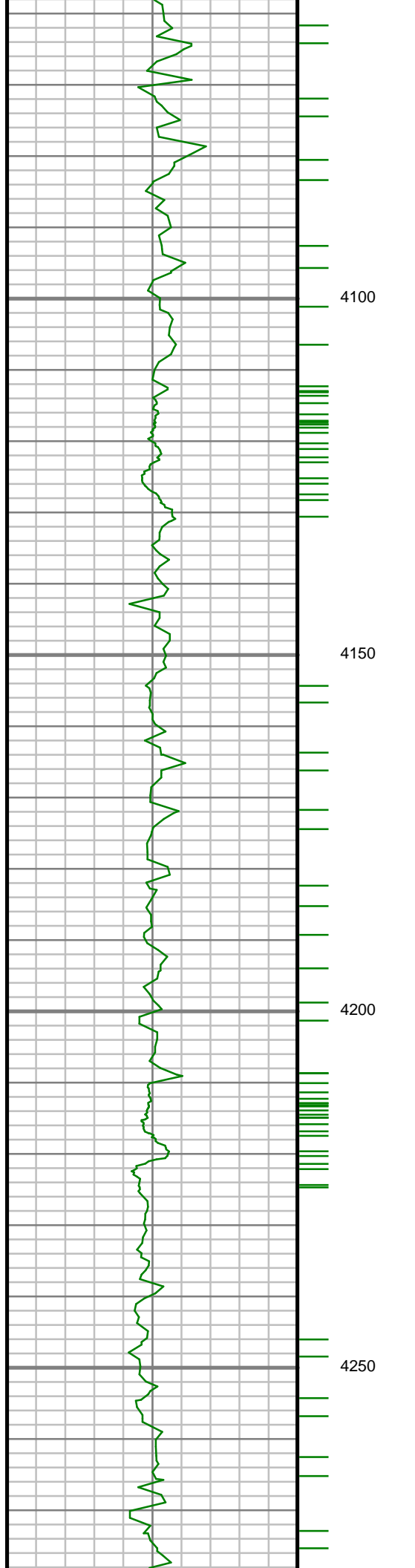
S: 31 MD: 3749.00 ft
Inc: 13.65 deg Az:
144.58 deg TVD:
3613.22 ft



S: 32 MD: 3843.00 ft
Inc: 11.21 deg Az:
142.37 deg TVD:
3705.01 ft

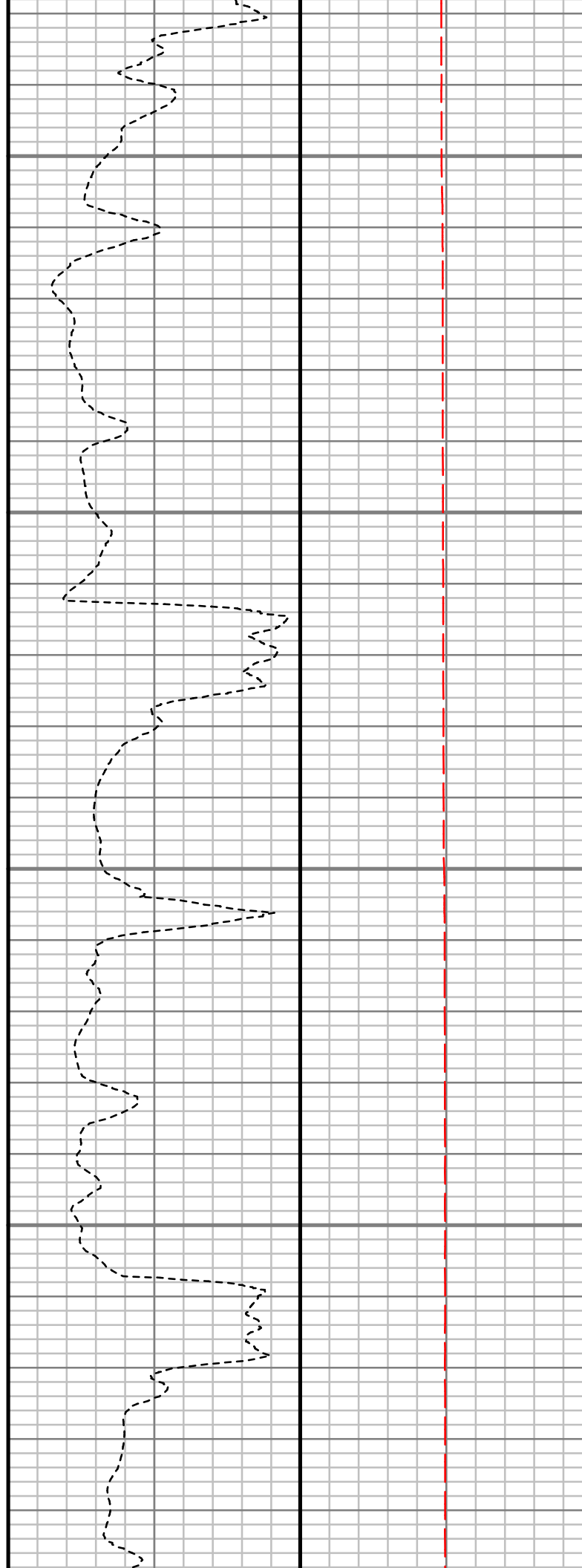
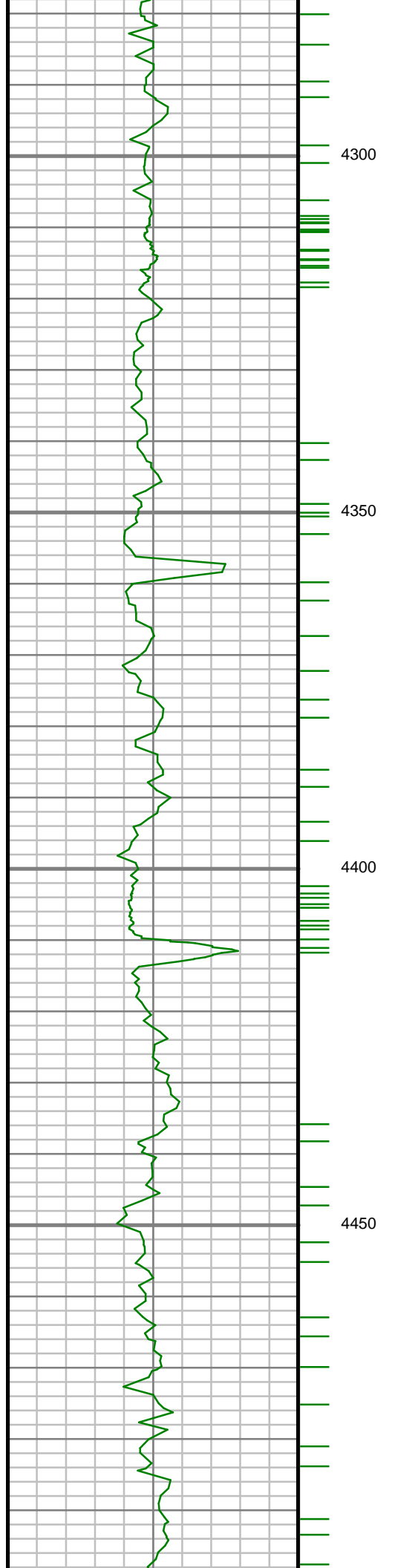
S: 33 MD: 3937.00 ft
Inc: 8.74 deg Az:
149.57 deg TVD:
3797.59 ft

S: 34 MD: 4030.00 ft
Inc: 7.00 deg Az:
137.02 deg TVD:
3889.72 ft



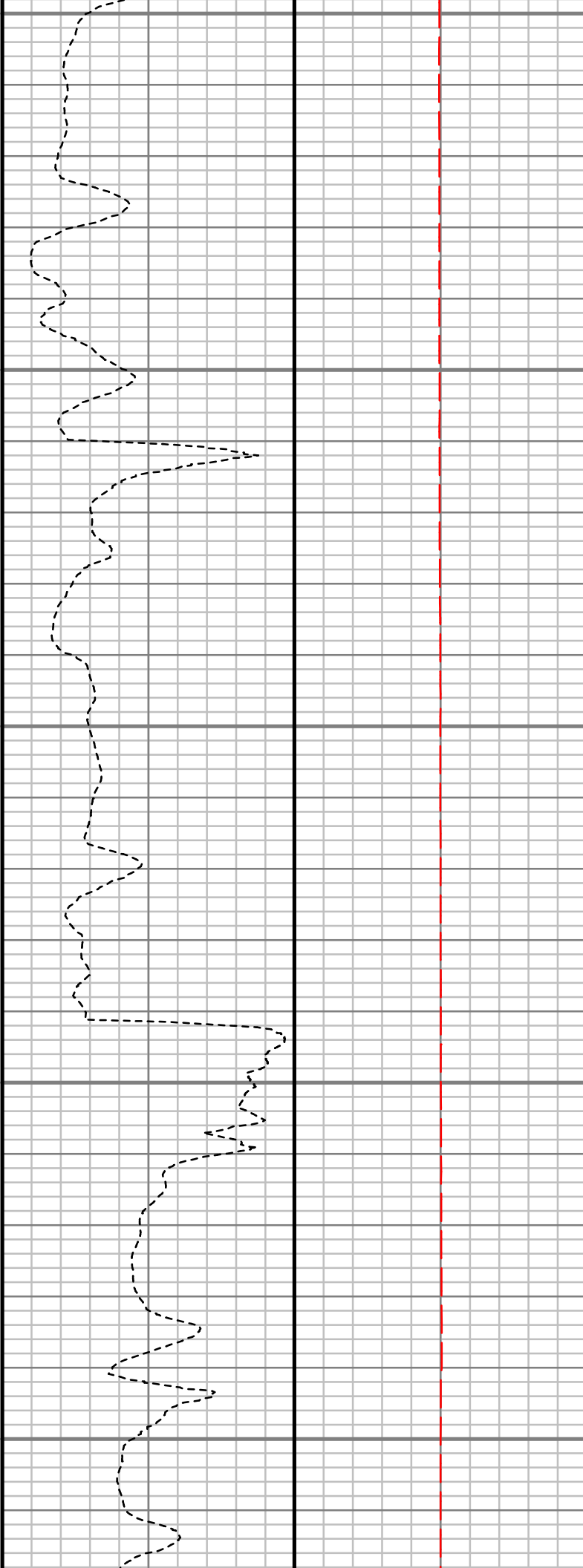
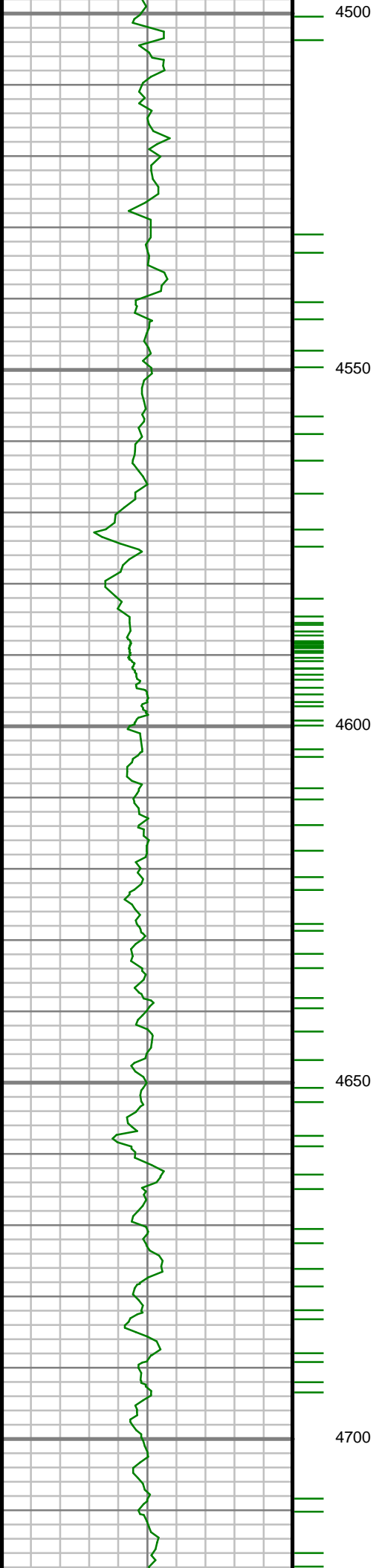
S: 35 MD: 4124.00 ft
Inc: 4.69 deg Az:
132.49 deg TVD:
3983.22 ft

S: 36 MD: 4218.00 ft
Inc: 2.24 deg Az:
110.28 deg TVD:
4077.05 ft



S: 37 MD: 4311.00 ft
Inc: 0.80 deg Az:
162.33 deg TVD:
4170.02 ft

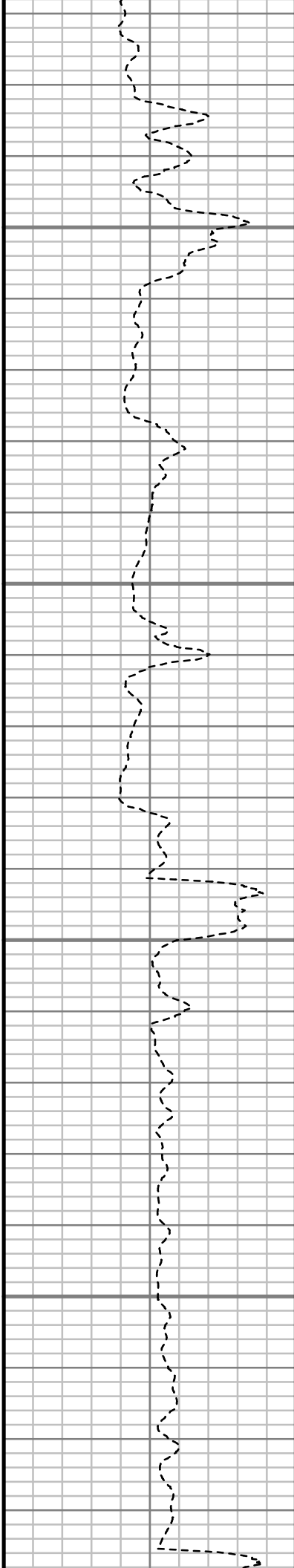
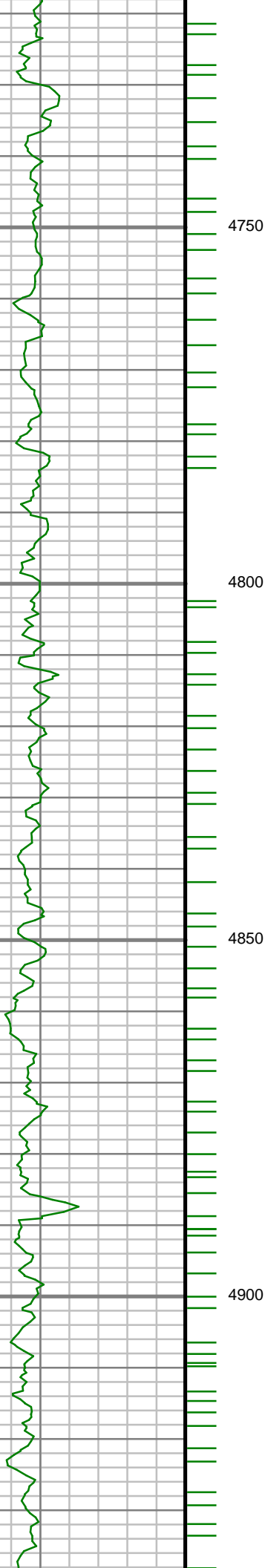
S: 38 MD: 4405.00 ft
Inc: 1.55 deg Az:
235.45 deg TVD:
4264.00 ft



S: 39 MD: 4499.00 ft
Inc: 2.57 deg Az:
274.28 deg TVD:
4357.94 ft

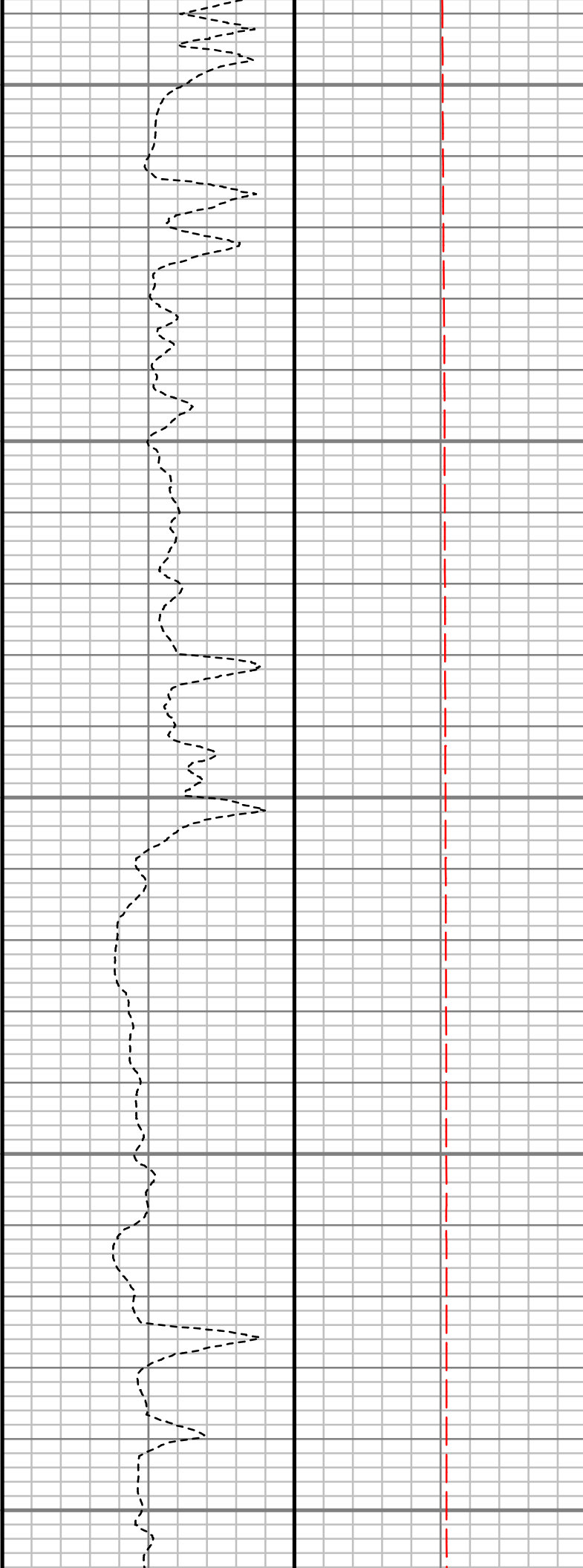
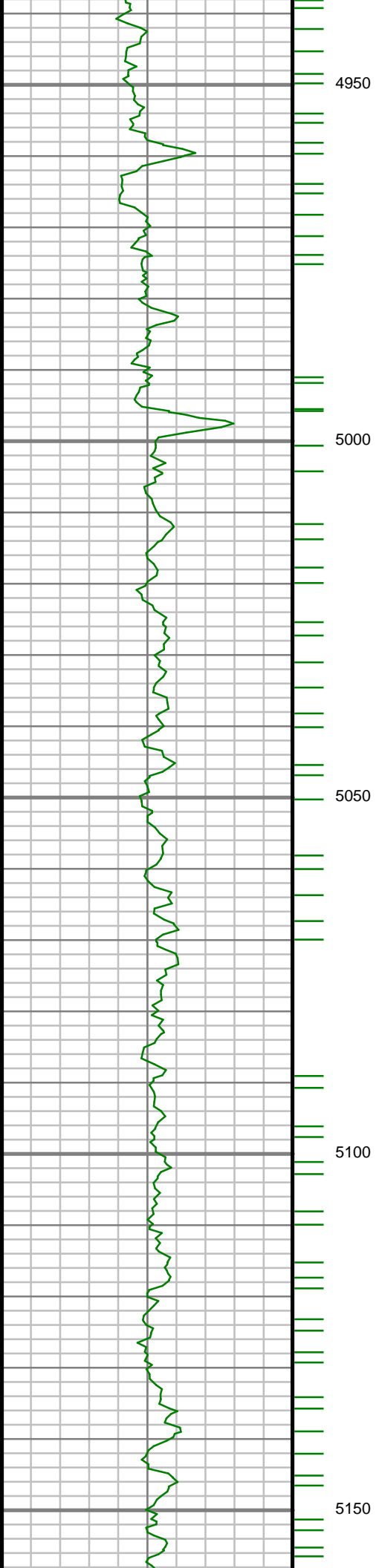
S: 40 MD: 4593.00 ft
Inc: 1.94 deg Az:
274.94 deg TVD:
4451.87 ft

S: 41 MD: 4686.00 ft
Inc: 1.98 deg Az:
321.23 deg TVD:
4544.82 ft



S: 42 MD: 4780.00 ft
Inc: 1.62 deg Az:
313.64 deg TVD:
4638.77 ft

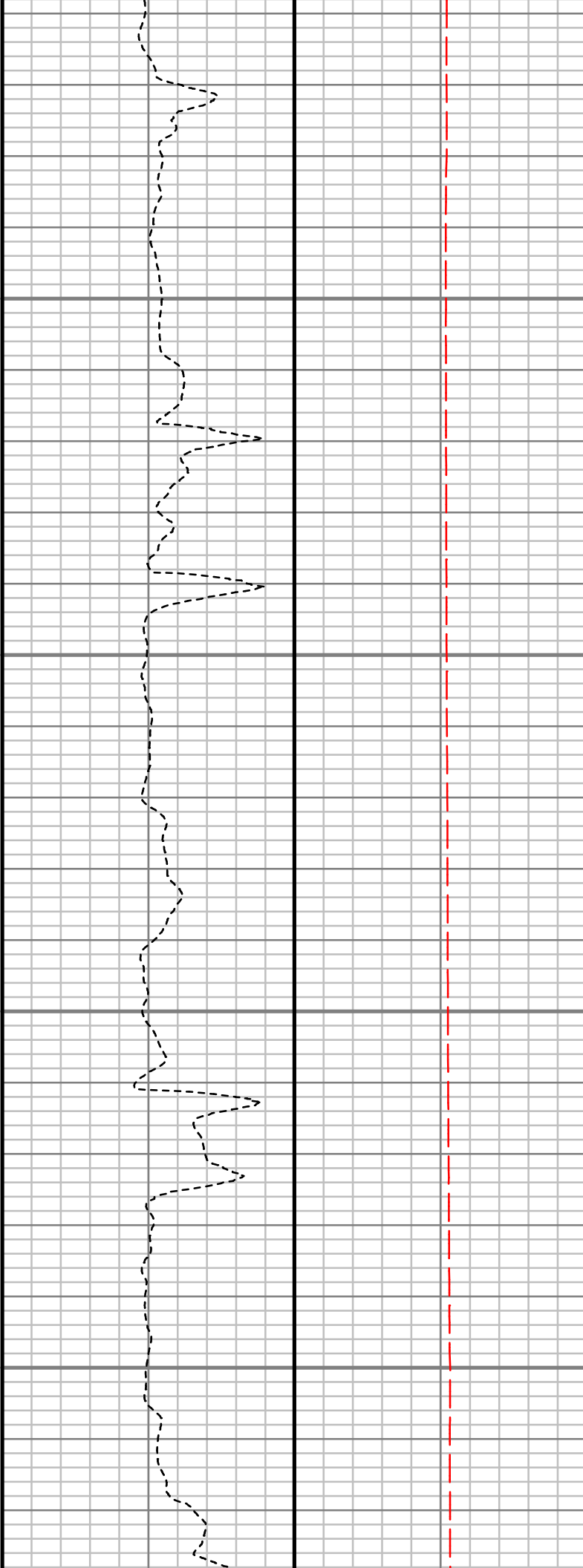
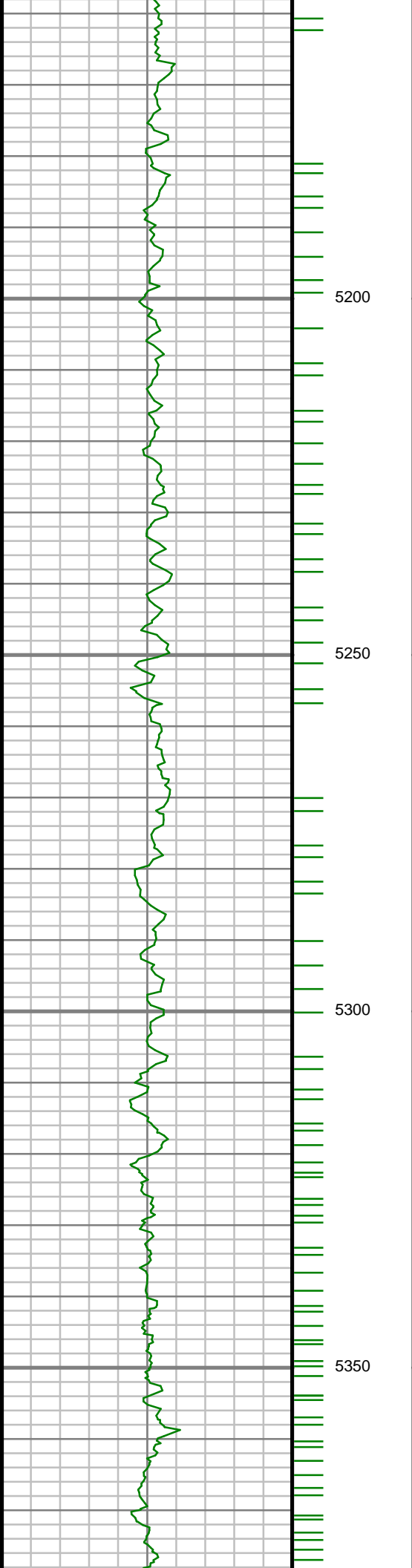
S: 43 MD: 4874.00 ft
Inc: 1.48 deg Az:
316.52 deg TVD:
4732.74 ft



S: 44 MD: 4969.00 ft
Inc: 1.40 deg Az:
321.72 deg TVD:
4827.71 ft

S: 45 MD: 5063.00 ft
Inc: 1.11 deg Az:
306.98 deg TVD:
4921.69 ft

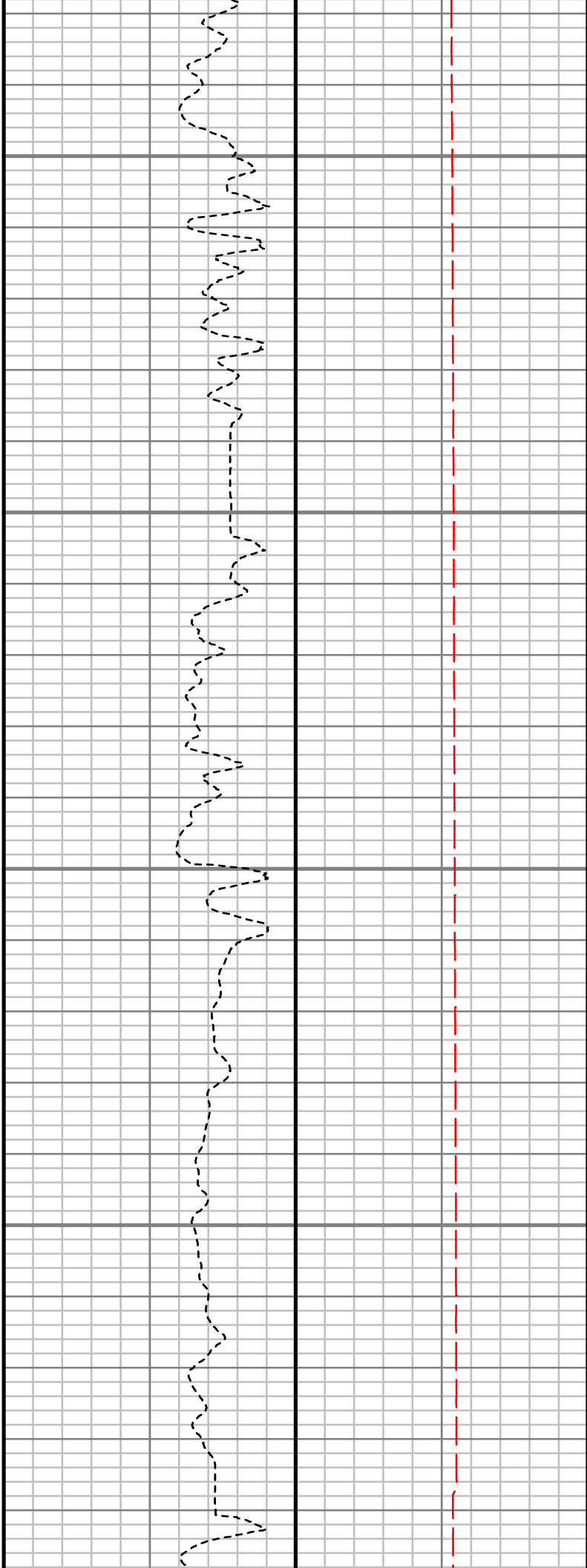
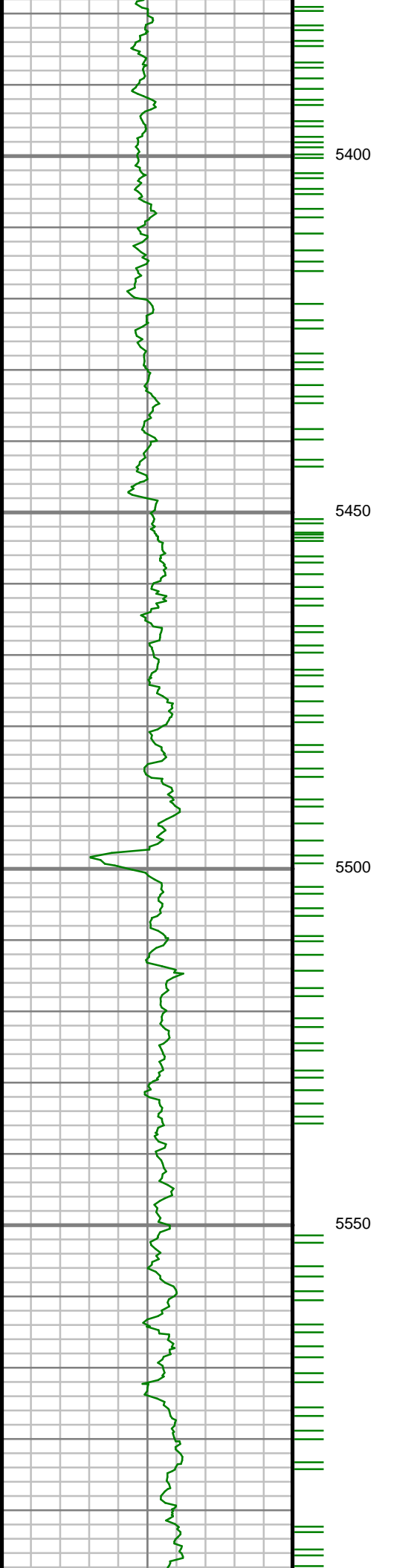
S: 46 MD: 5157.00 ft



S: 46 MD: 5157.00 ft
Inc: 0.95 deg Az:
301.94 deg TVD:
5015.67 ft

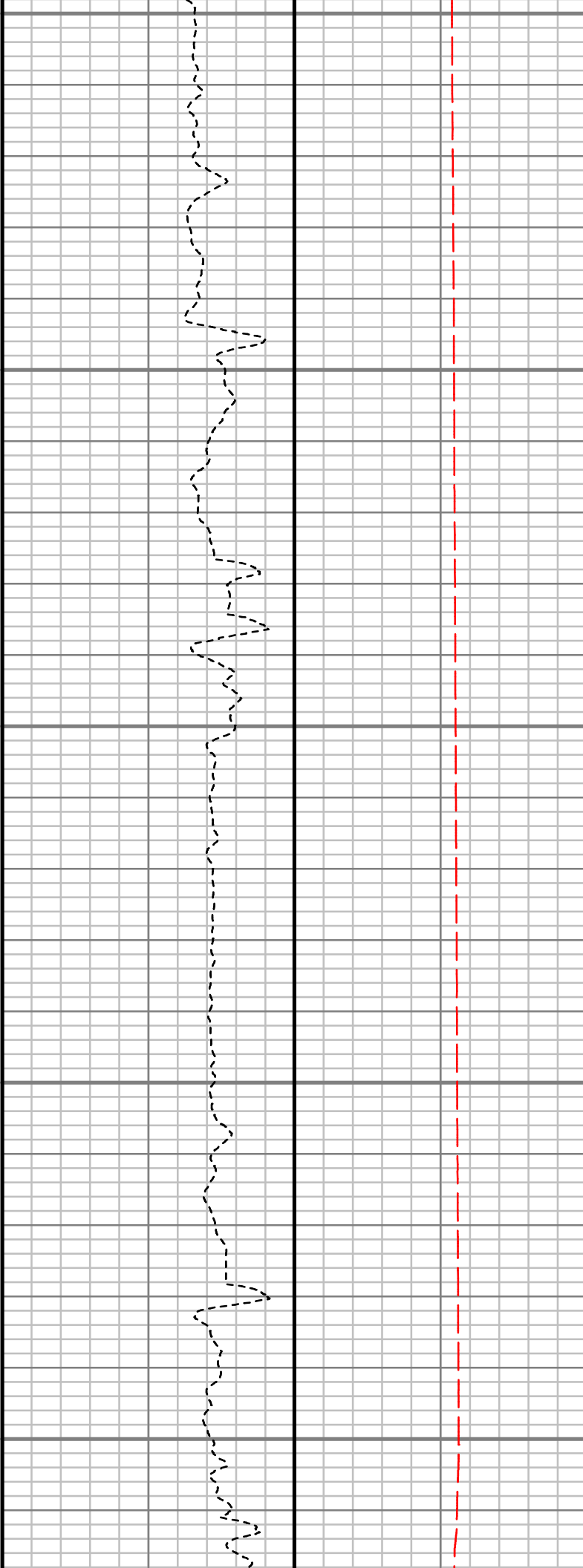
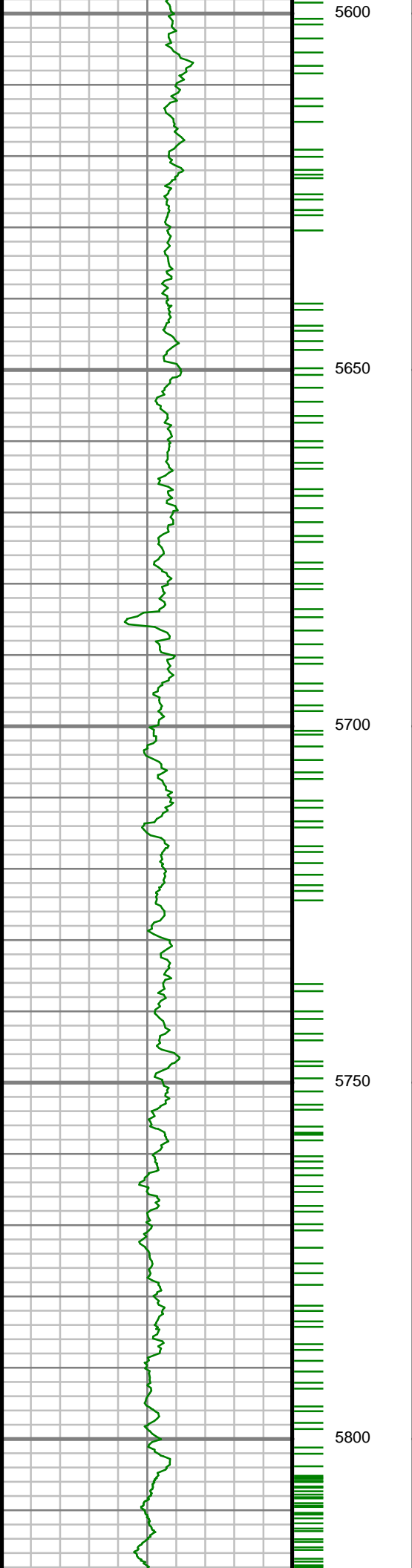
S: 47 MD: 5250.00 ft
Inc: 0.85 deg Az:
300.15 deg TVD:
5108.66 ft

S: 48 MD: 5344.00 ft
Inc: 0.72 deg Az:
296.61 deg TVD:
5202.65 ft



S: 49 MD: 5438.00 ft
Inc: 0.78 deg Az:
311.33 deg TVD:
5296.64 ft

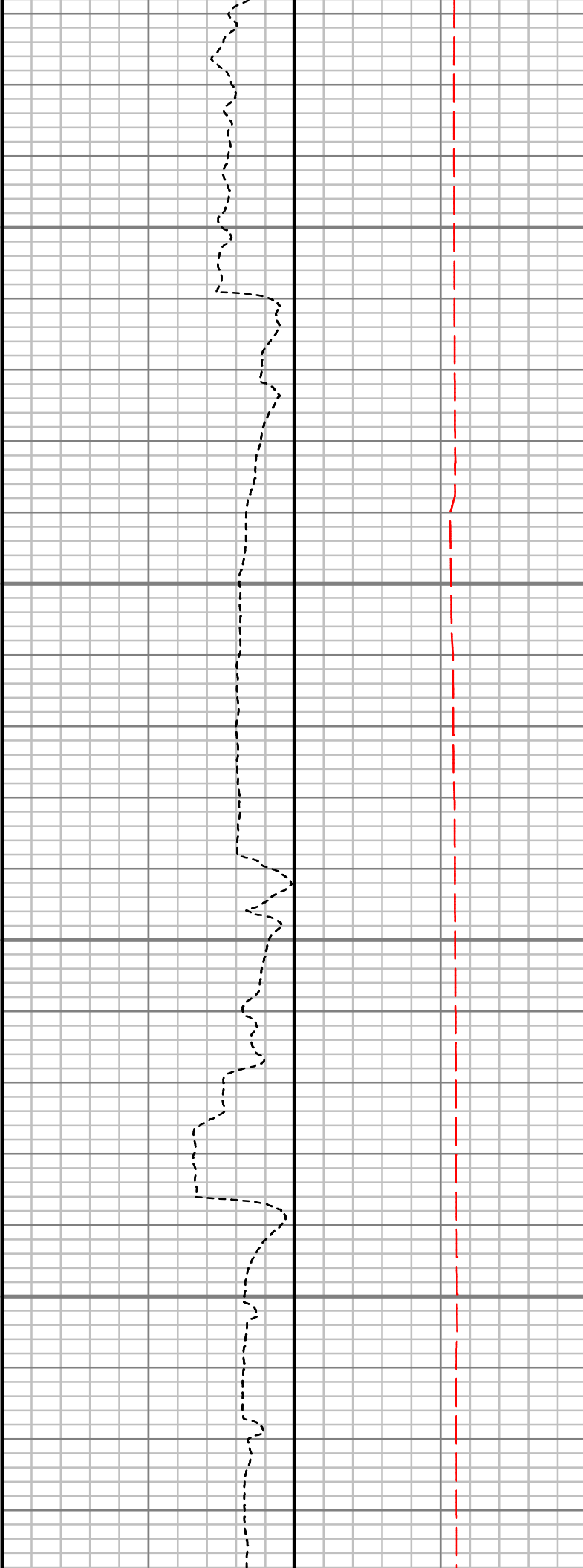
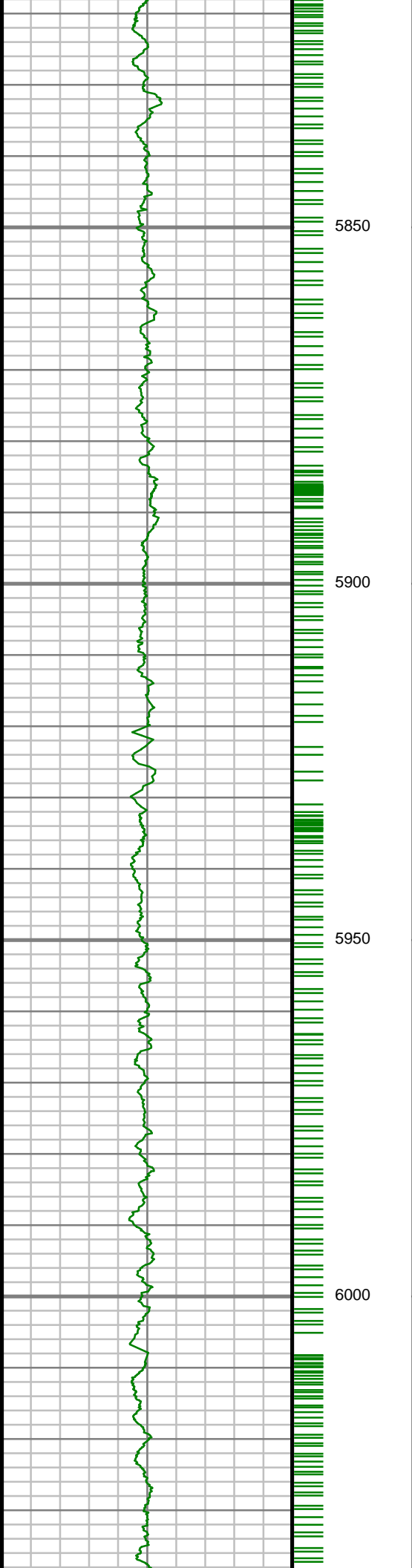
S: 50 MD: 5533.00 ft
Inc: 0.69 deg Az:
316.84 deg TVD:
5391.64 ft



S: 51 MD: 5627.00 ft
Inc: 1.38 deg Az:
313.34 deg TVD:
5485.62 ft

S: 52 MD: 5721.00 ft
Inc: 1.36 deg Az:
319.93 deg TVD:
5579.59 ft

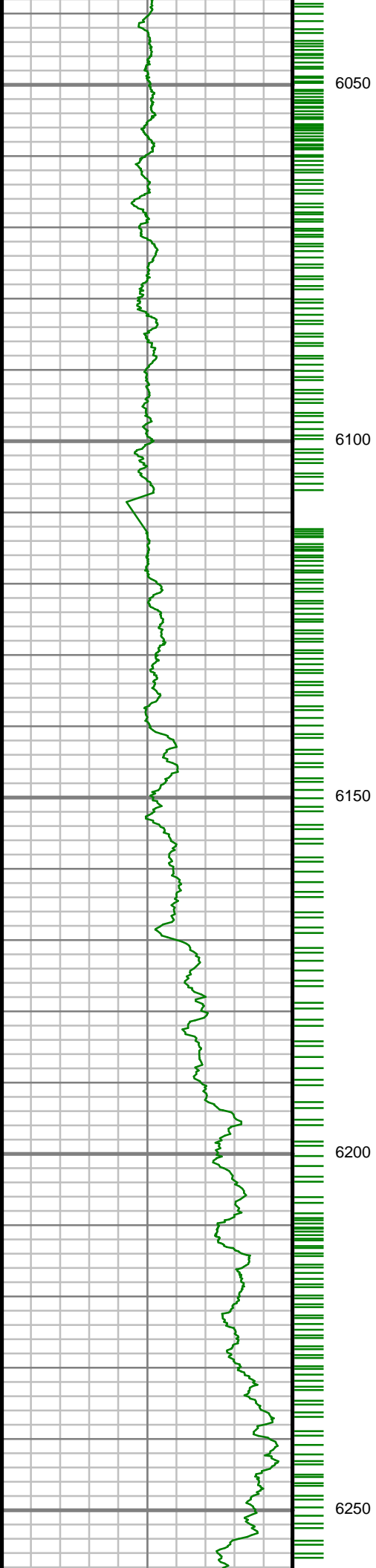
S: 53 MD: 5816.00 ft



Inc: 1.15 deg Az:
323.33 deg TVD:
5674.57 ft

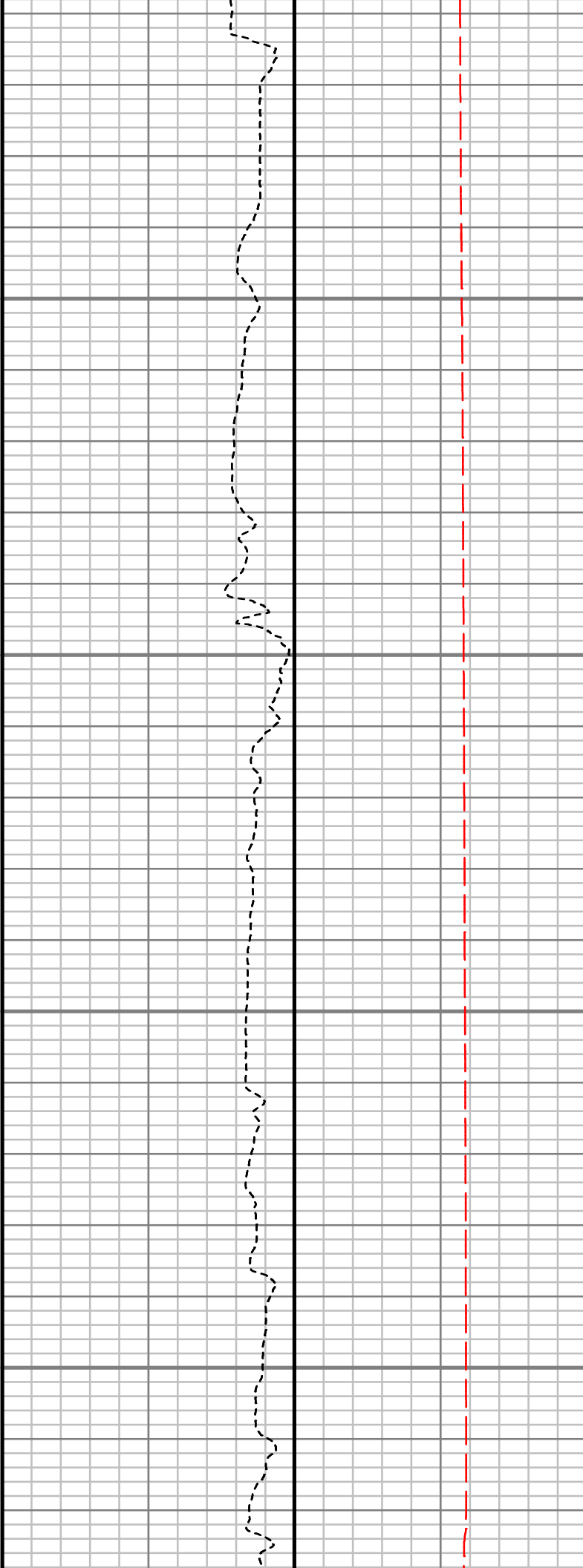
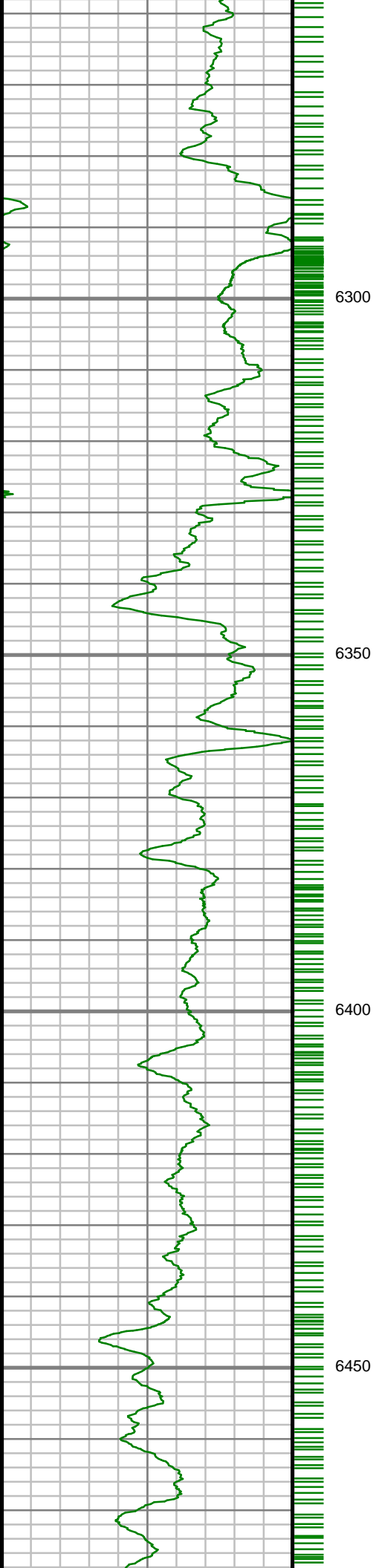
S: 54 MD: 5908.00 ft
Inc: 5.94 deg Az: 93.04
deg TVD: 5766.42 ft

S: 55 MD: 6002.00 ft
Inc: 12.77 deg Az:
96.52 deg TVD:
5859.12 ft



S: 56 MD: 6096.00 ft
Inc: 22.34 deg Az:
101.29 deg TVD:
5948.64 ft

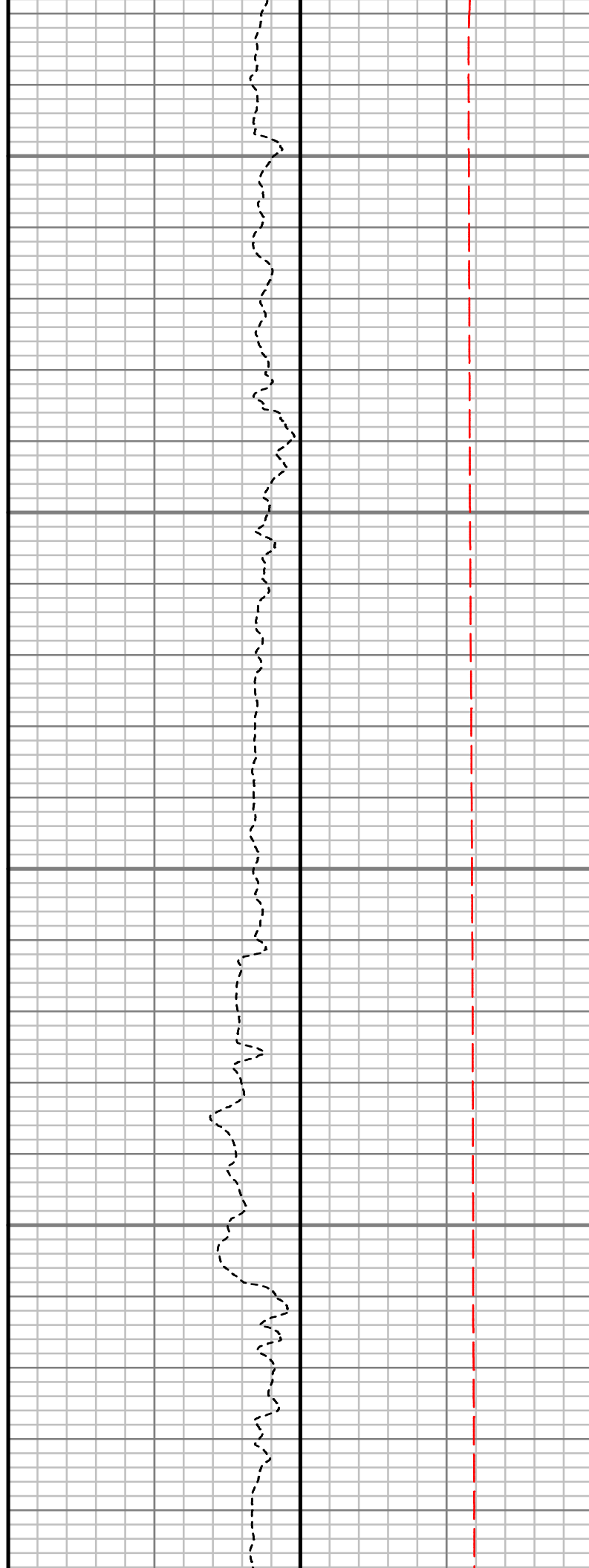
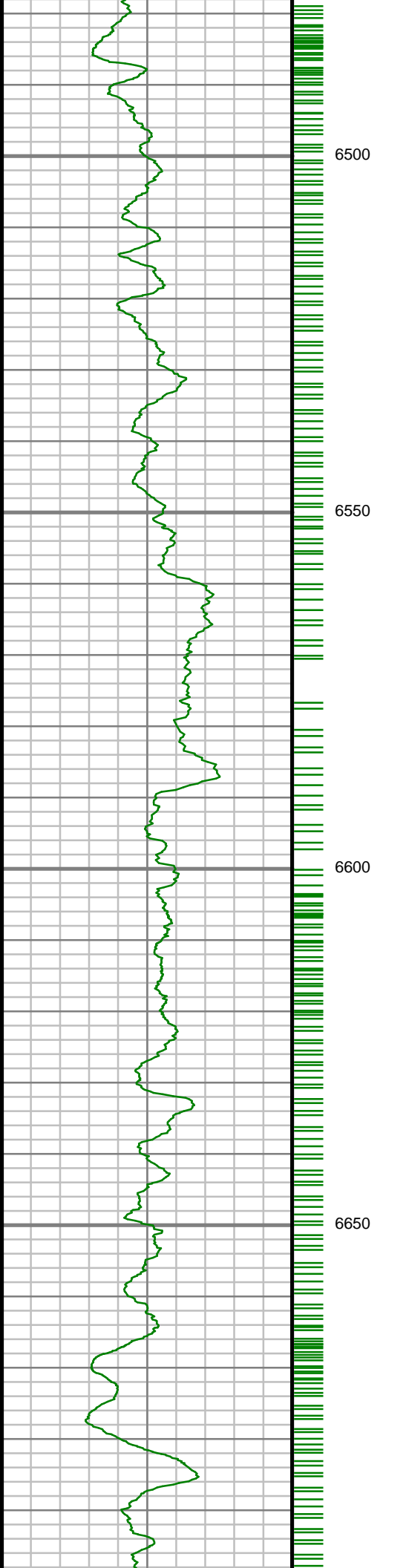
S: 57 MD: 6190.00 ft
Inc: 32.05 deg Az:
103.48 deg TVD:
6032.15 ft



S: 58 MD: 6284.00 ft
Inc: 42.42 deg Az:
102.79 deg TVD:
6106.88 ft

S: 59 MD: 6378.00 ft
Inc: 51.54 deg Az:
98.16 deg TVD:
6170.96 ft

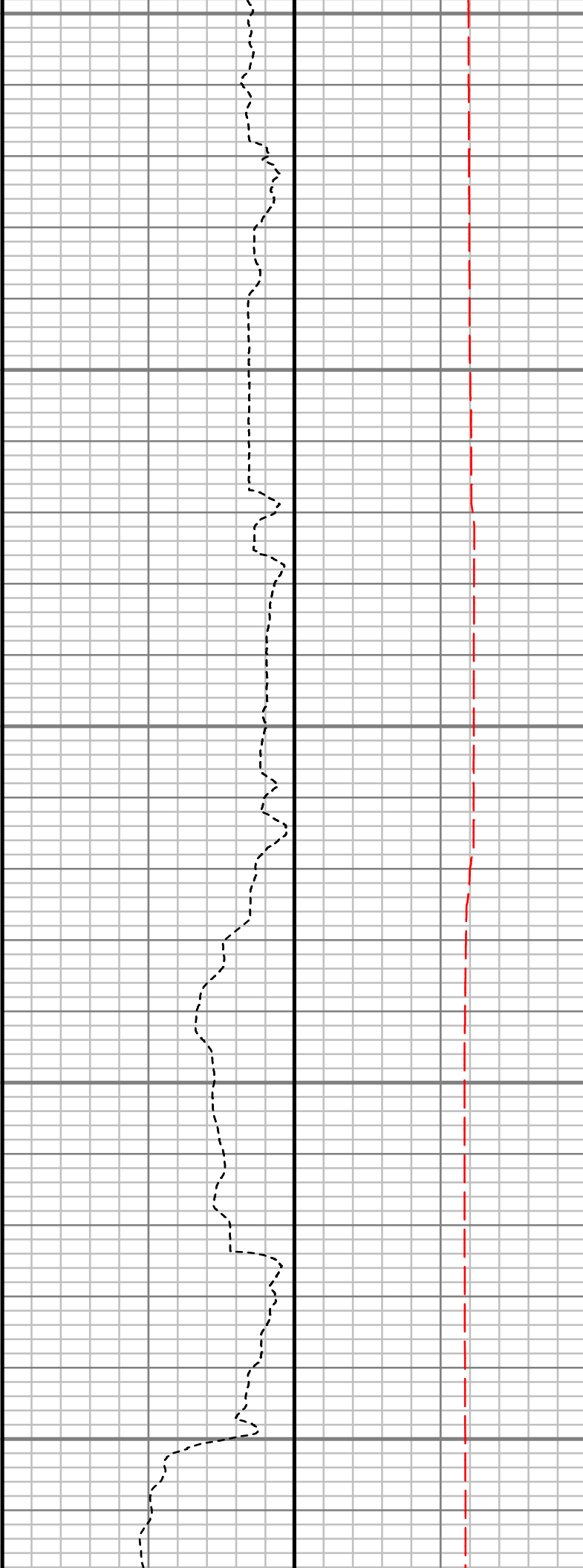
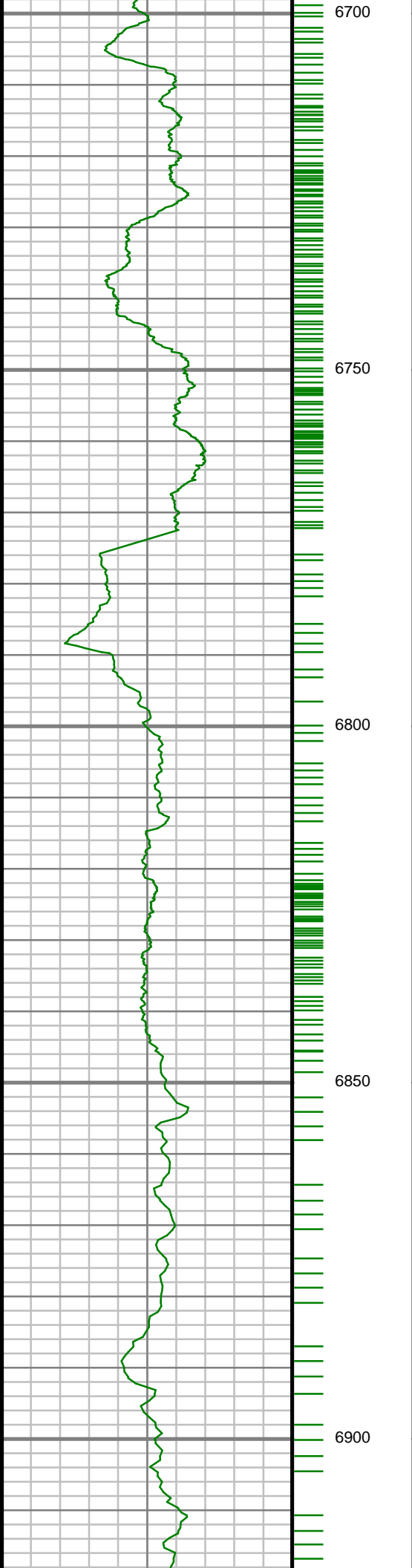
S: 60 MD: 6472.00 ft
Inc: 61.72 deg Az:
94.22 deg TVD:



94.32 deg TVD:
6222.61 ft

S: 61 MD: 6565.00 ft
Inc: 72.35 deg Az:
93.62 deg TVD:
6258.85 ft

S: 62 MD: 6659.00 ft
Inc: 74.97 deg Az:
91.03 deg TVD:
6285.30 ft

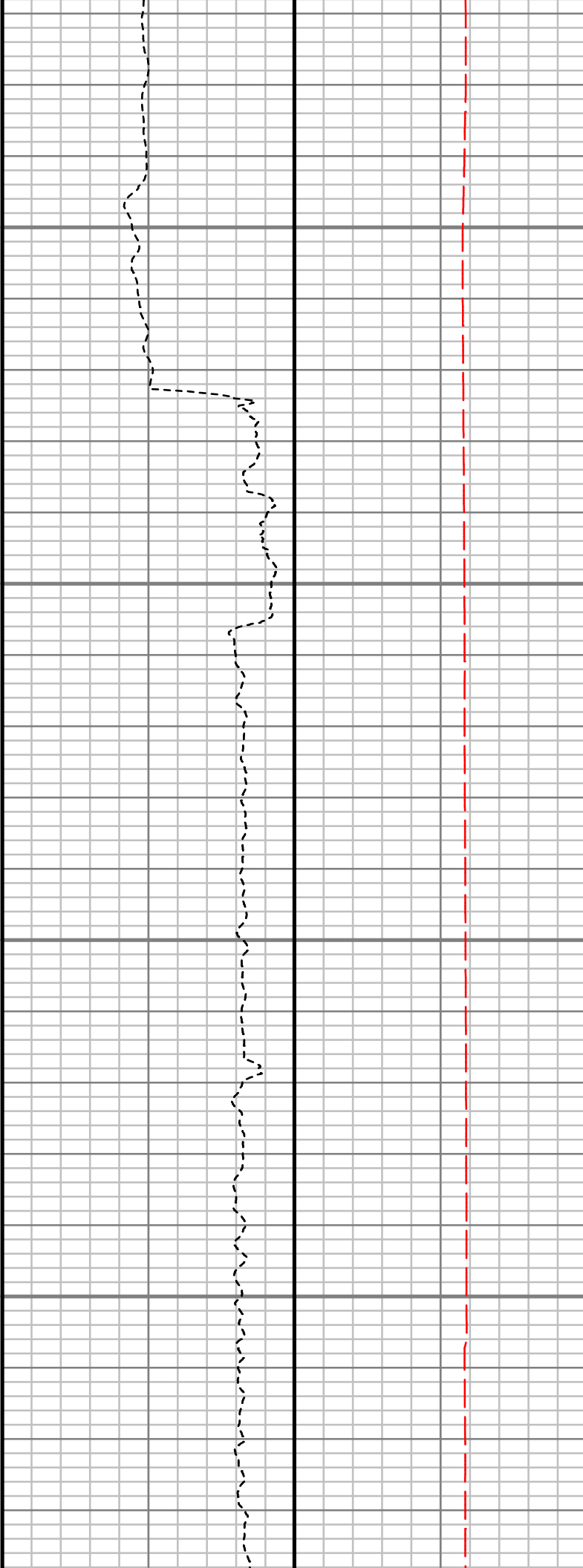
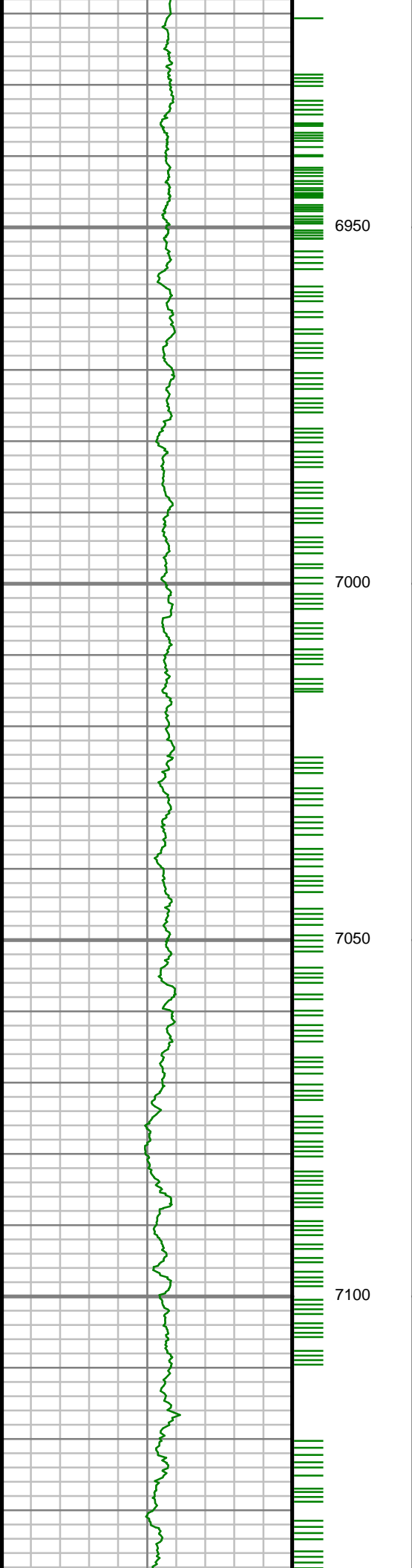


S: 63 MD: 6753.00 ft
Inc: 78.13 deg Az:
84.42 deg TVD:
6307.18 ft

S: 64 MD: 6767.00 ft
Inc: 79.72 deg Az:
85.92 deg TVD:
6309.87 ft

S: 65 MD: 6822.00 ft
Inc: 87.52 deg Az:
90.06 deg TVD:
6315.98 ft

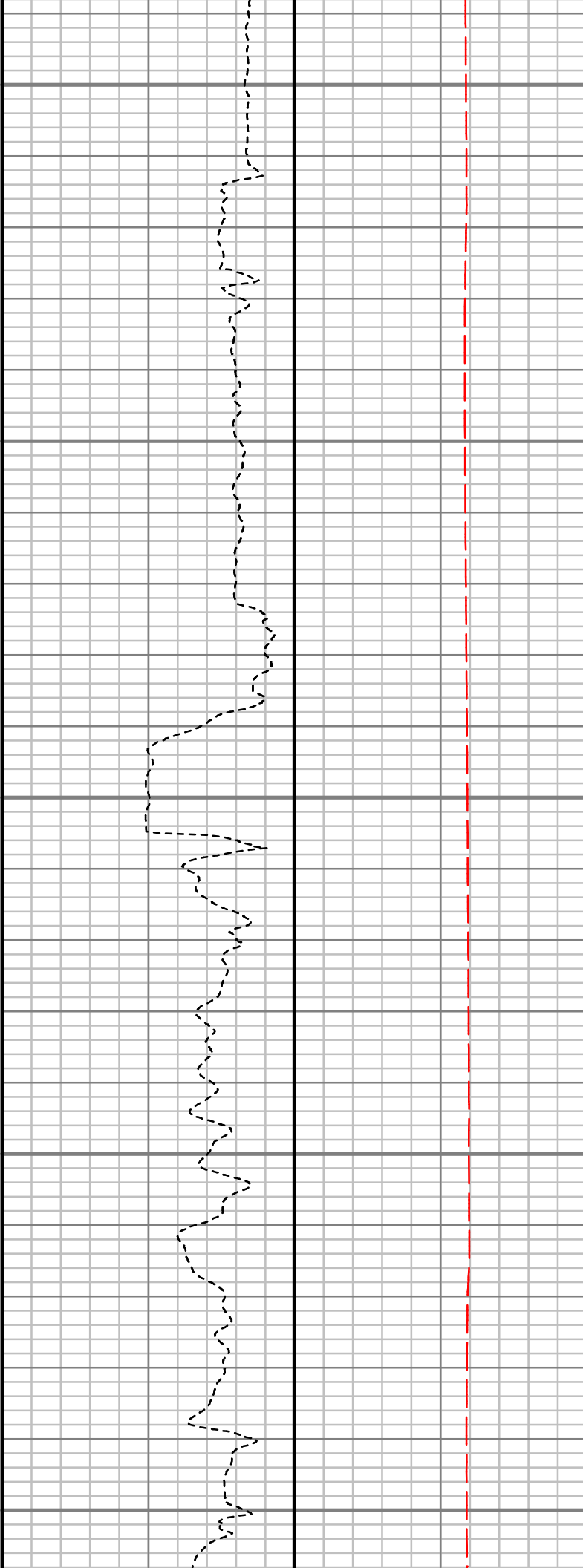
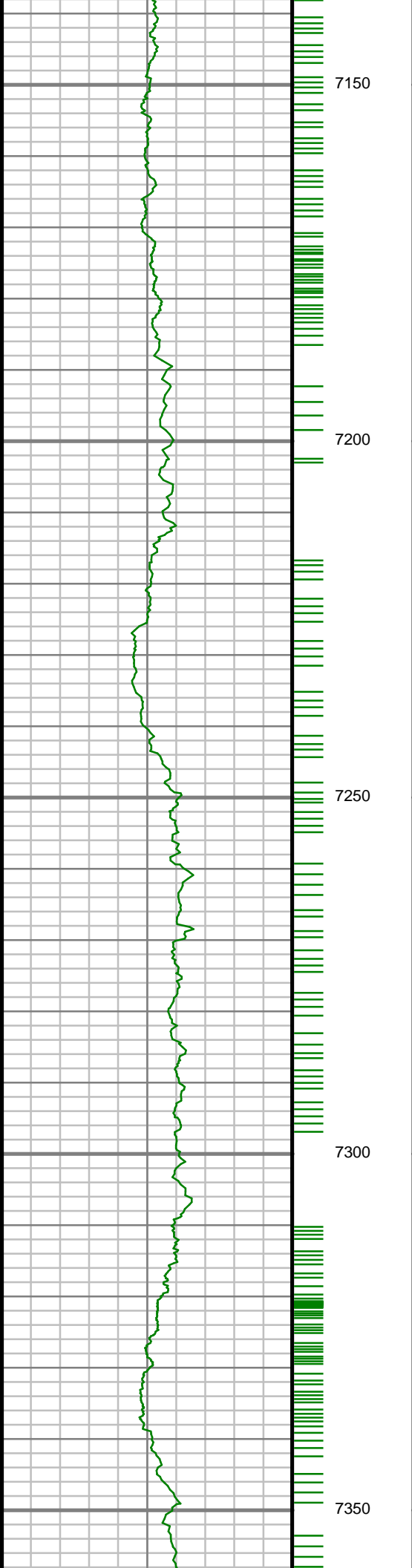
S: 66 MD: 6916.00 ft



Inc: 89.63 deg Az:
87.72 deg TVD:
6318.32 ft

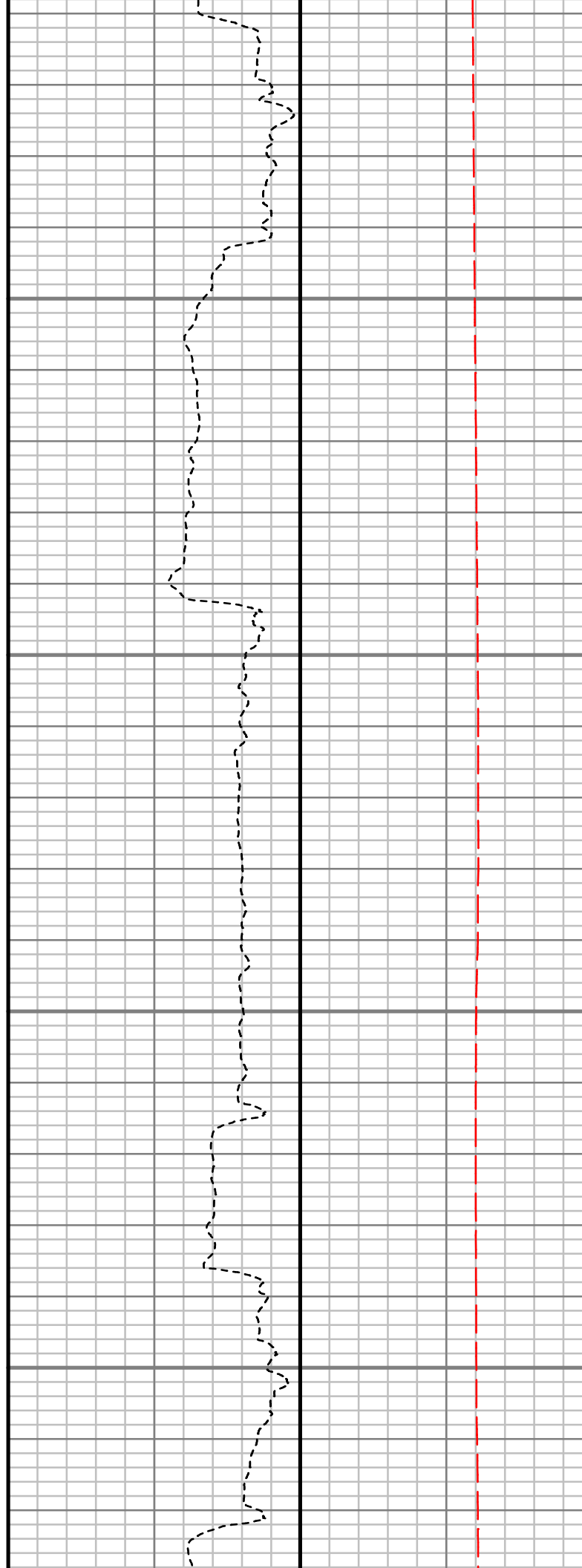
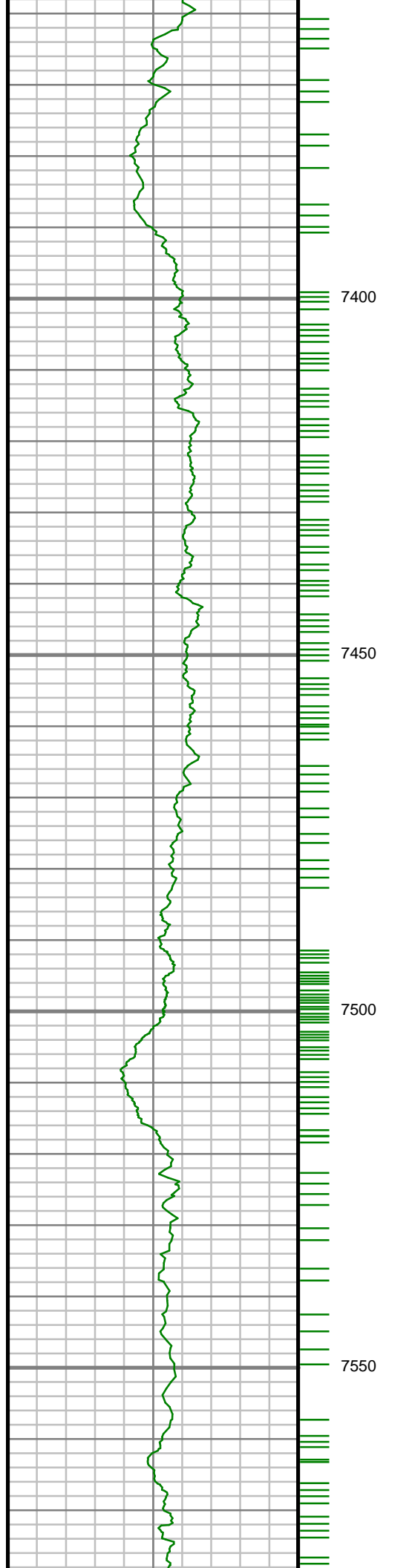
S: 67 MD: 7010.00 ft
Inc: 91.11 deg Az:
86.27 deg TVD:
6317.71 ft

S: 68 MD: 7104.00 ft
Inc: 91.58 deg Az:
86.08 deg TVD:
6315.51 ft



S: 69 MD: 7198.00 ft
Inc: 92.95 deg Az:
85.73 deg TVD:
6311.80 ft

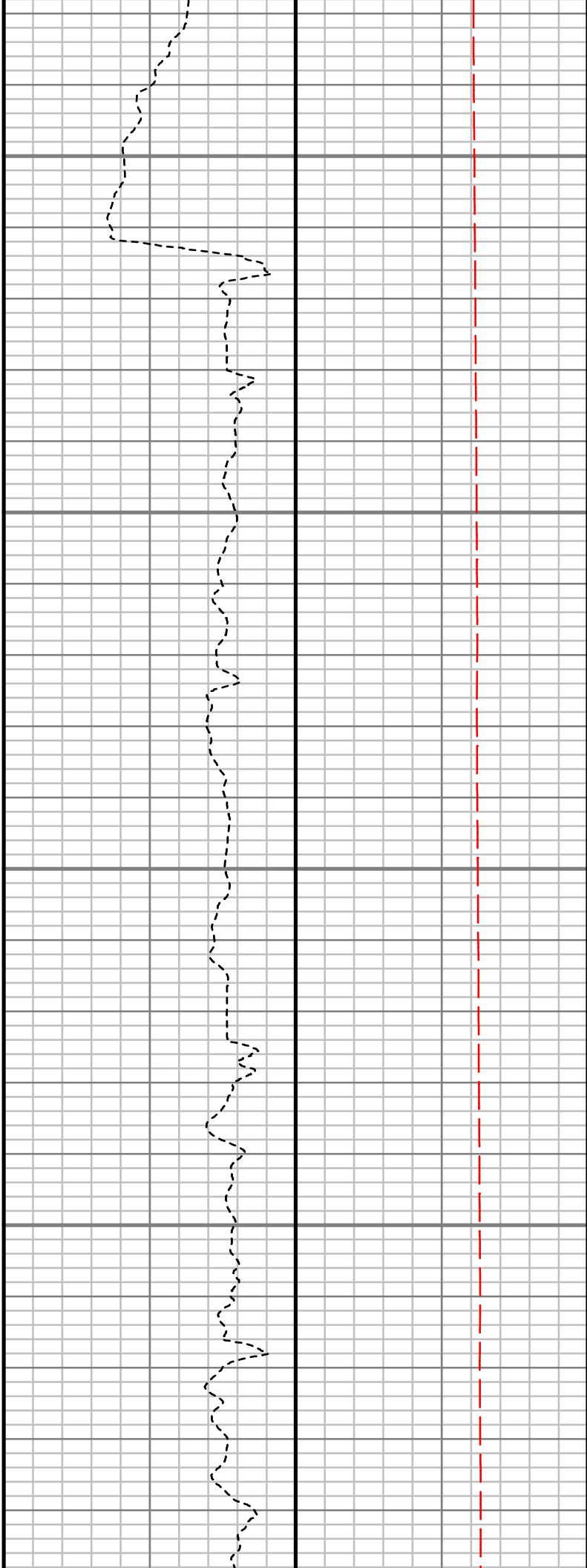
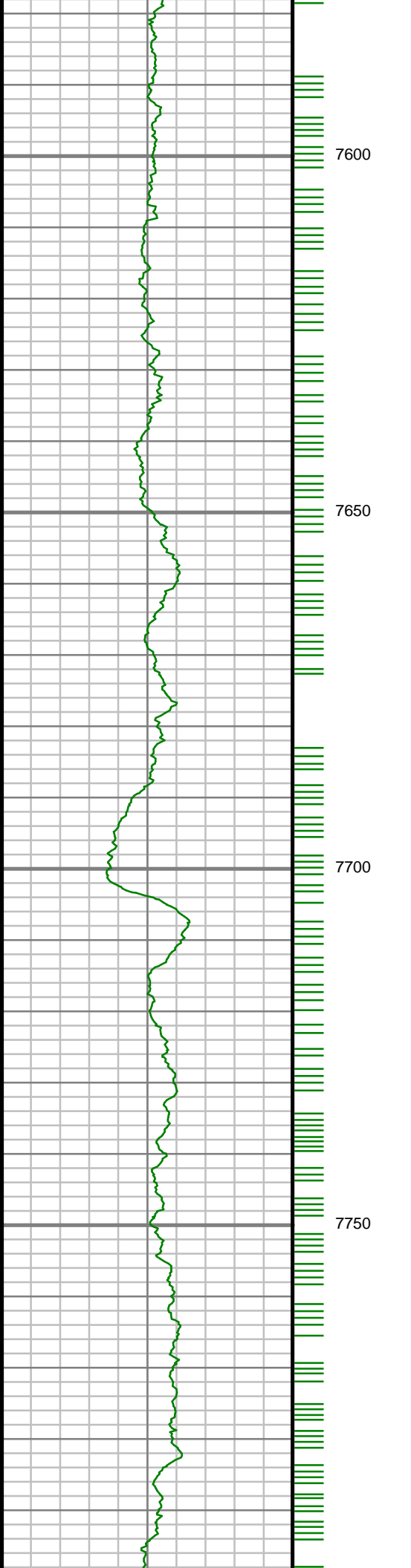
S: 70 MD: 7292.00 ft
Inc: 90.94 deg Az:
84.39 deg TVD:
6308.60 ft



S: 71 MD: 7385.00 ft
Inc: 91.34 deg Az:
85.97 deg TVD:
6306.75 ft

S: 72 MD: 7479.00 ft
Inc: 91.28 deg Az:
85.59 deg TVD:
6304.60 ft

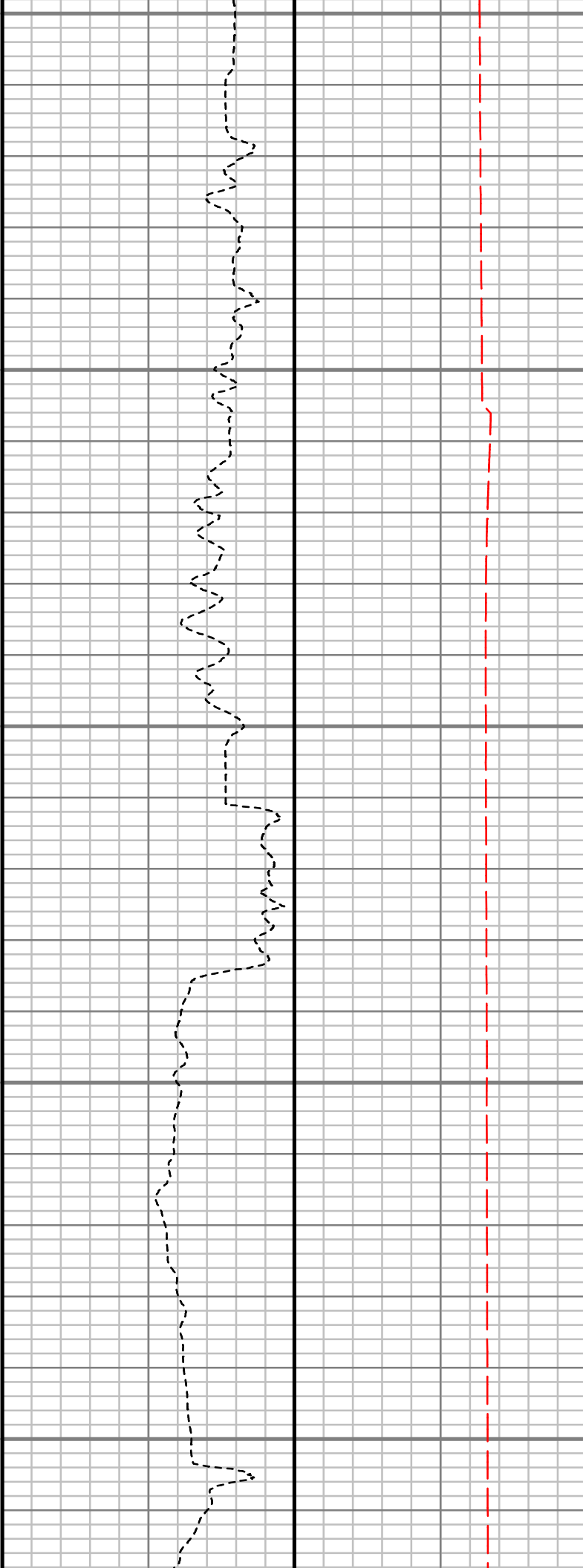
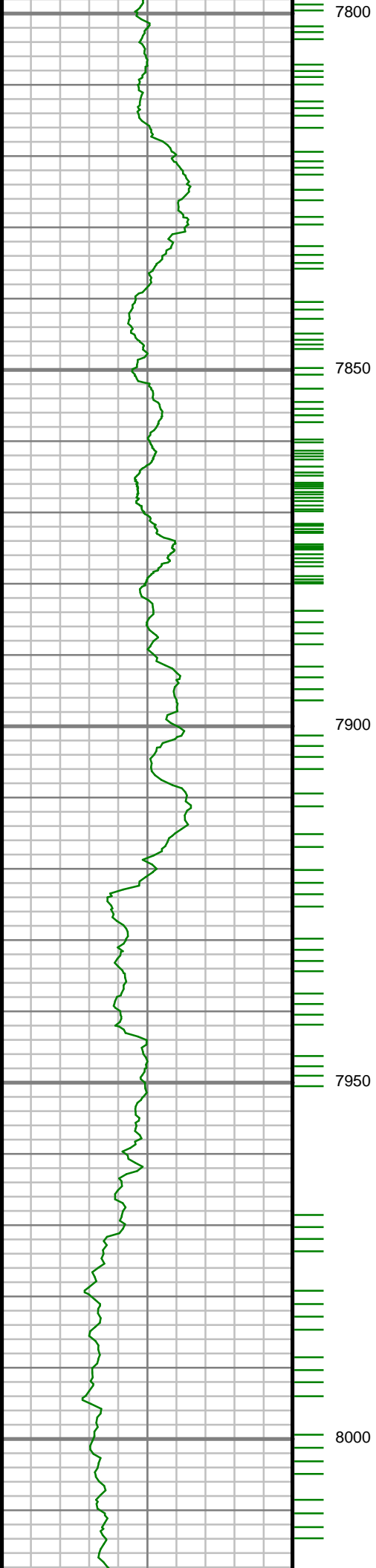
S: 73 MD: 7573.00 ft
Inc: 91.85 deg Az:



88.76 deg TVD:
6302.04 ft

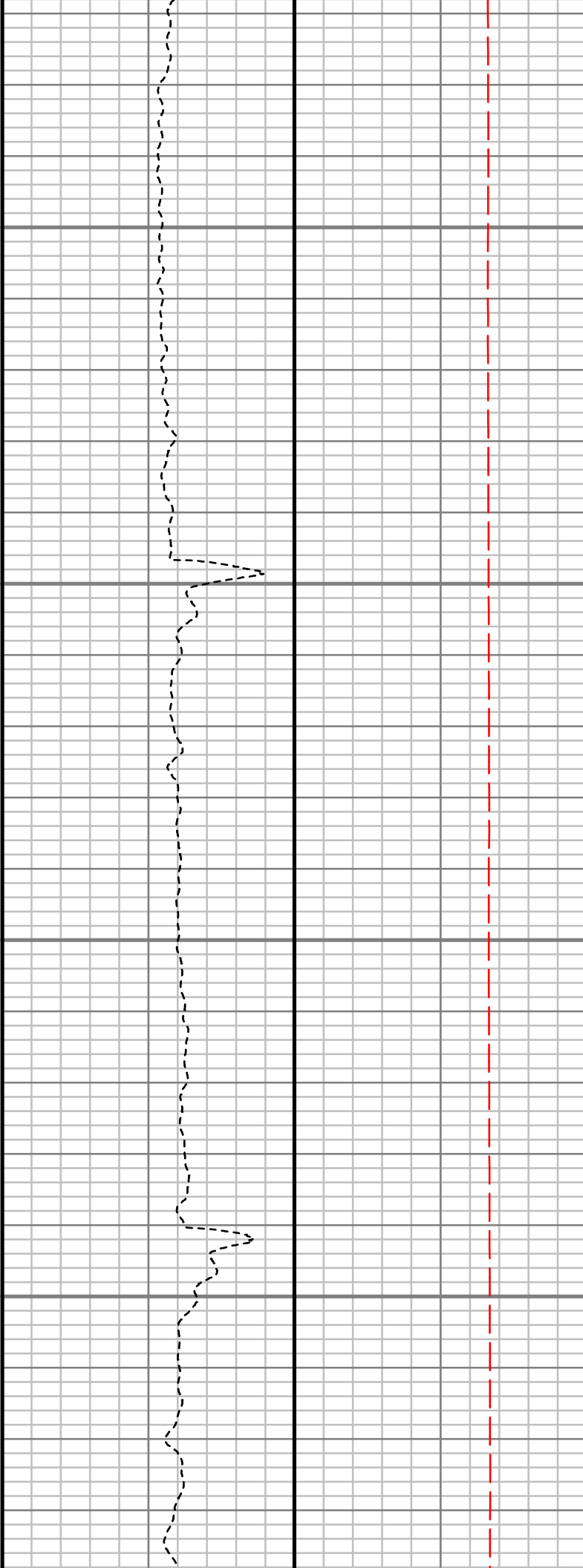
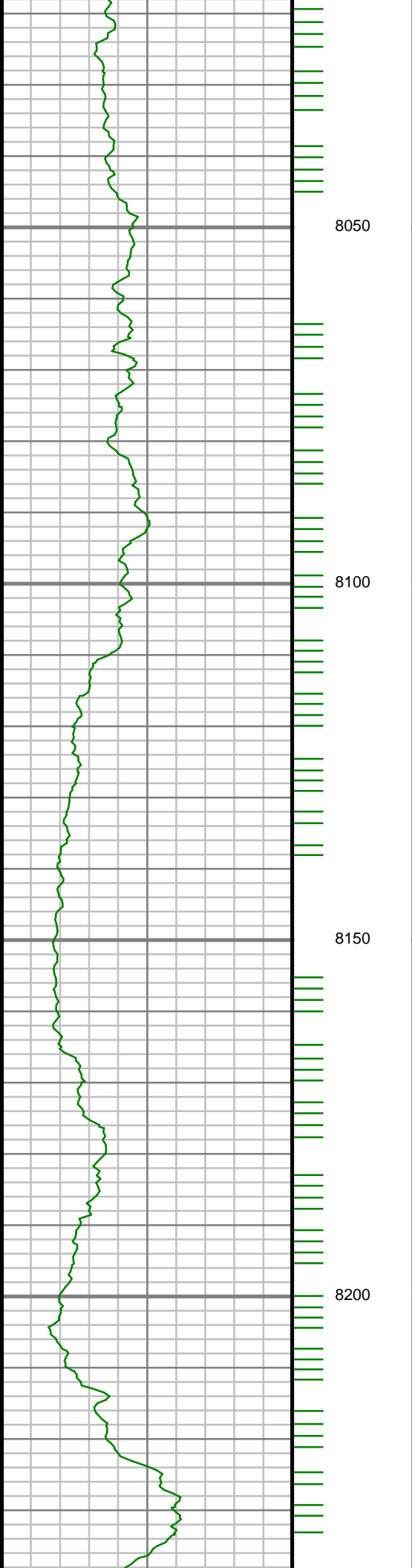
S: 74 MD: 7666.00 ft
Inc: 91.27 deg Az:
88.64 deg TVD:
6299.51 ft

S: 75 MD: 7760.00 ft
Inc: 91.08 deg Az:
87.32 deg TVD:
6297.58 ft



S: 76 MD: 7854.00 ft
Inc: 91.11 deg Az:
86.36 deg TVD:
6295.79 ft

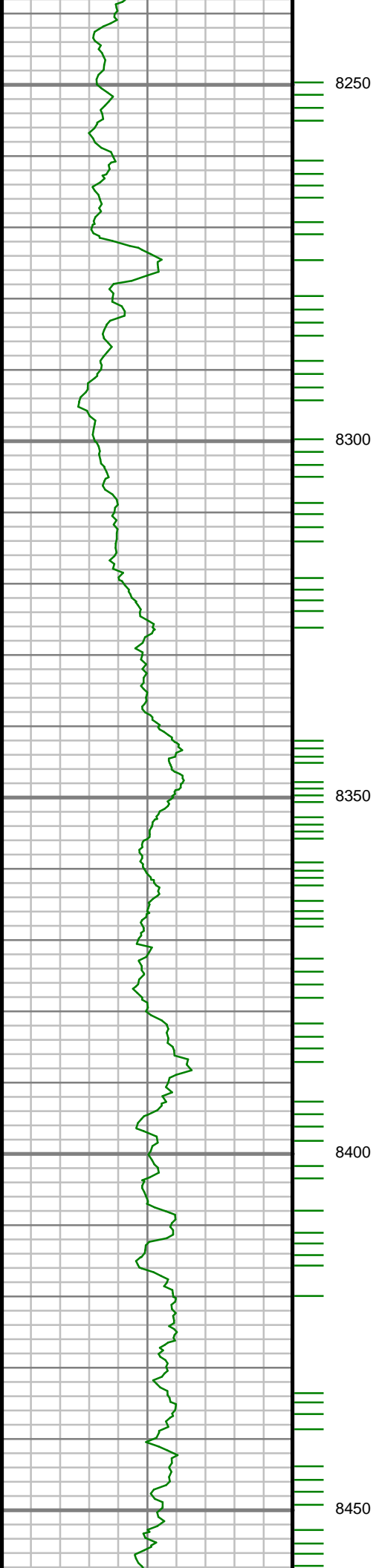
S: 77 MD: 7947.00 ft
Inc: 90.97 deg Az:
88.95 deg TVD:
6294.10 ft



S: 78 MD: 8041.00 ft
Inc: 91.21 deg Az:
87.65 deg TVD:
6292.31 ft

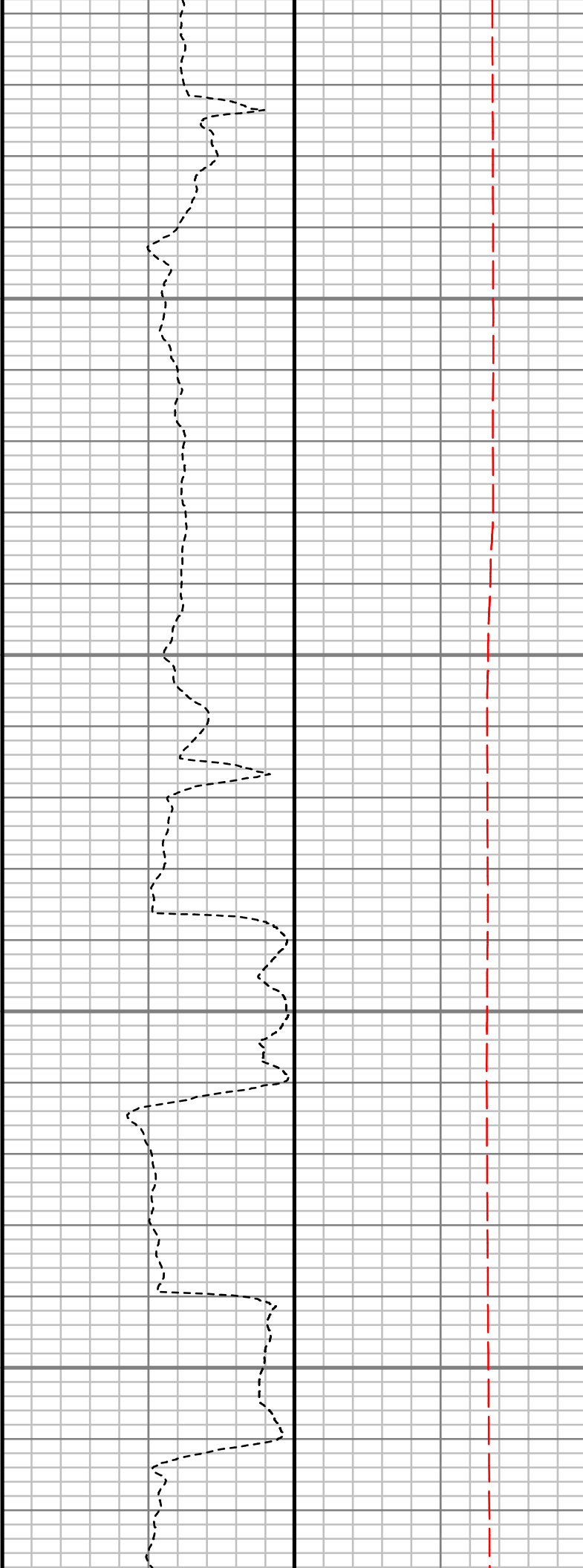
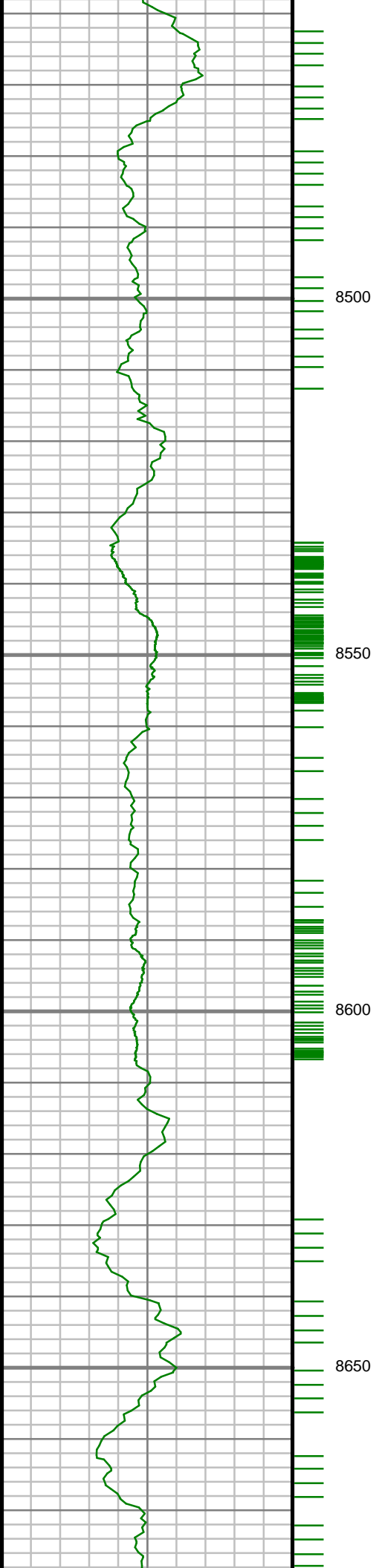
S: 79 MD: 8135.00 ft
Inc: 91.44 deg Az:
87.94 deg TVD:
6290.13 ft

S: 80 MD: 8229.00 ft
Inc: 91.71 deg Az:
86.83 deg TVD:
6287.54 ft



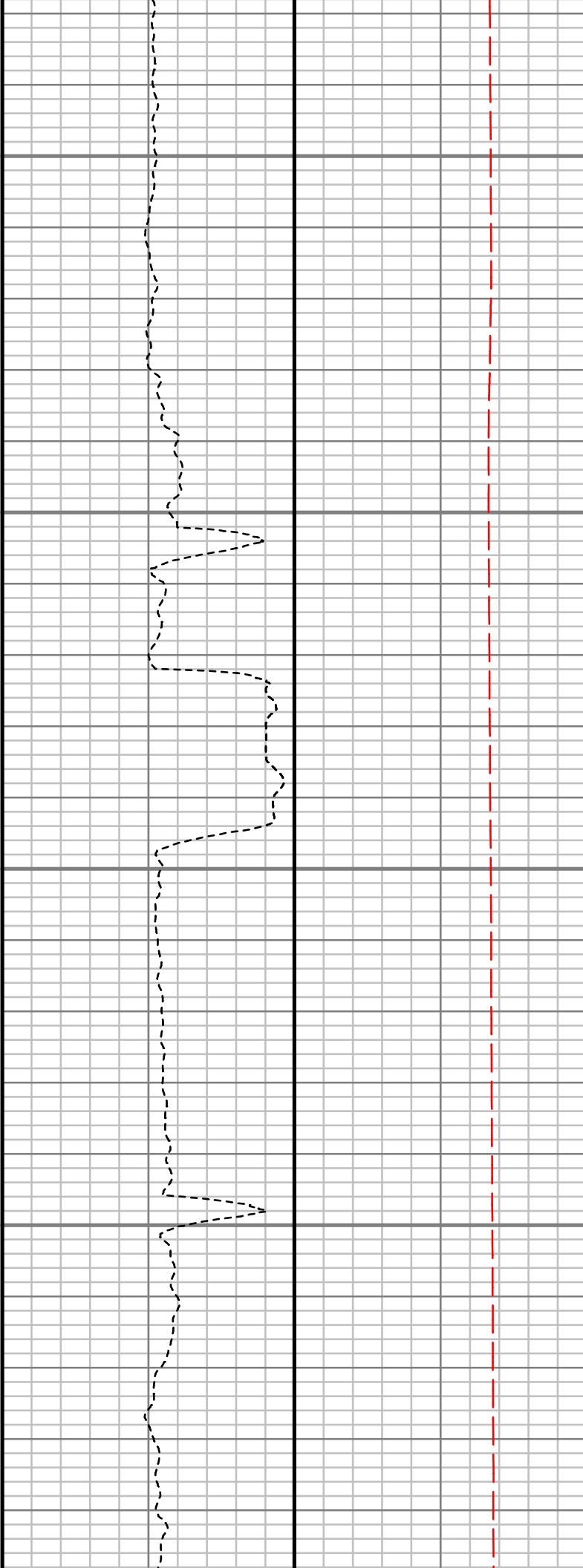
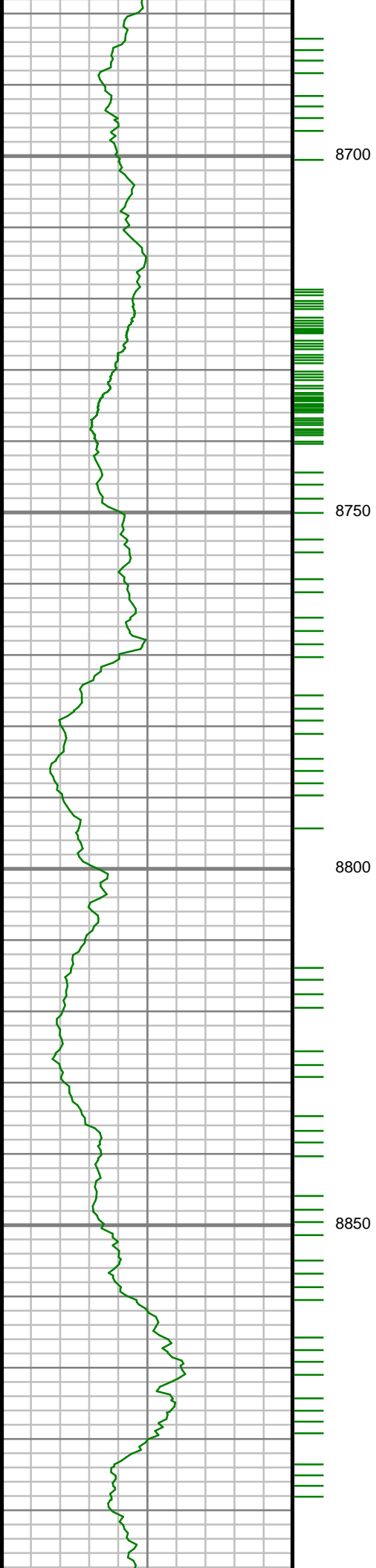
S: 81 MD: 8323.00 ft
Inc: 91.31 deg Az:
86.53 deg TVD:
6285.07 ft

S: 82 MD: 8416.00 ft
Inc: 90.94 deg Az:
85.39 deg TVD:
6283.24 ft



S: 83 MD: 8509.00 ft
Inc: 90.07 deg Az:
83.84 deg TVD:
6282.42 ft

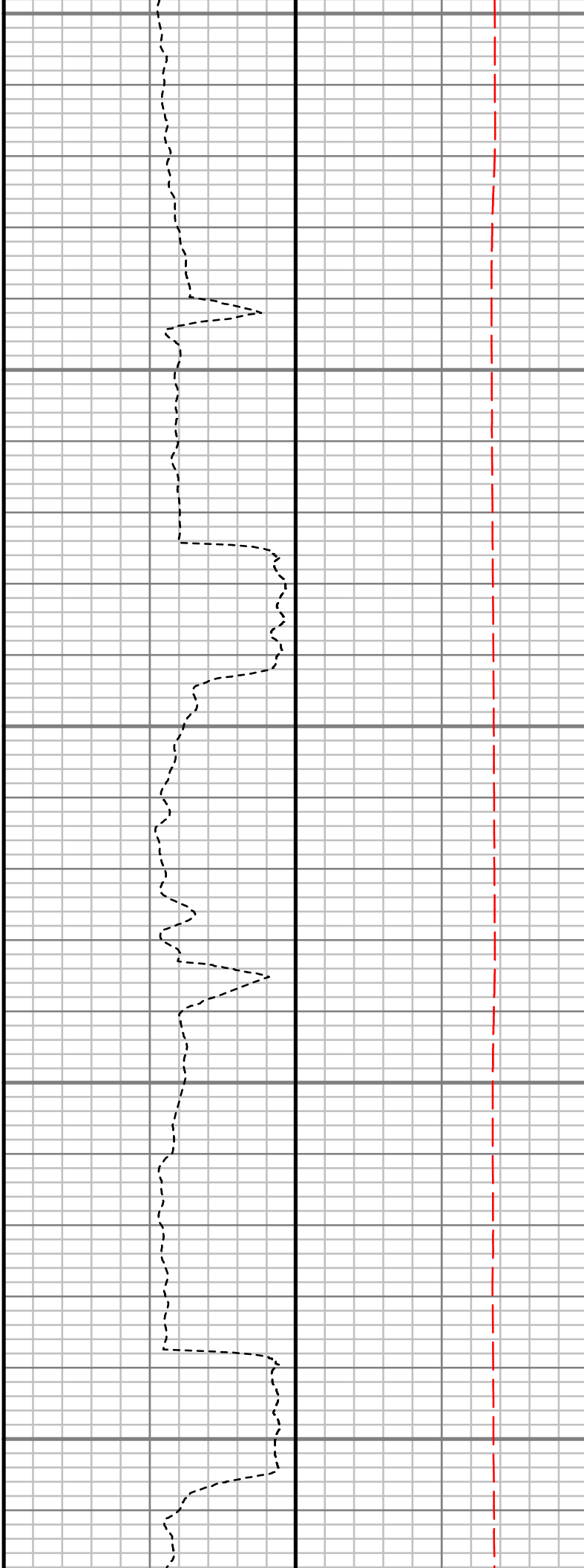
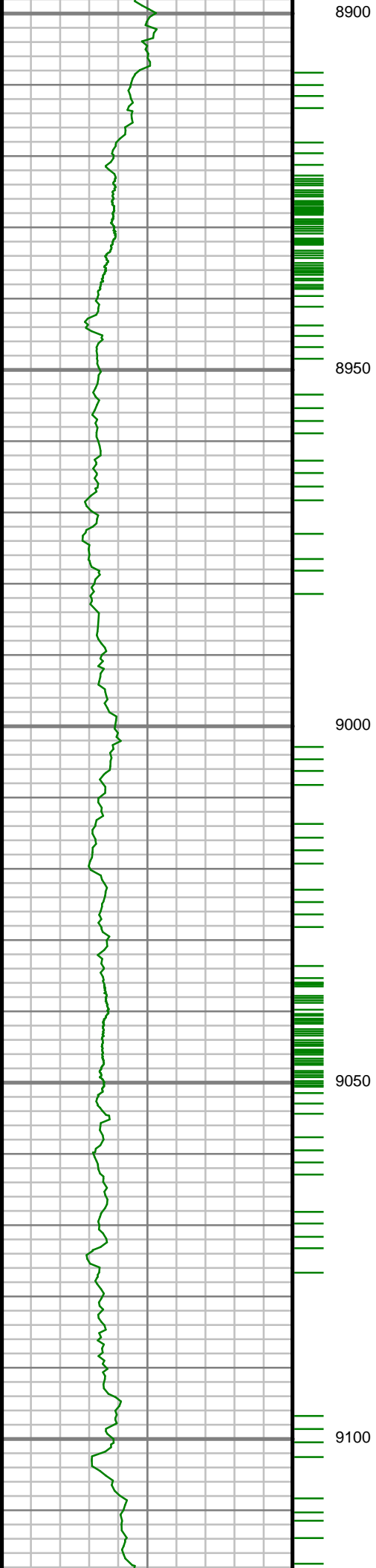
S: 84 MD: 8603.00 ft
Inc: 89.56 deg Az:
85.14 deg TVD:
6282.73 ft



S: 85 MD: 8697.00 ft
Inc: 90.03 deg Az:
88.10 deg TVD:
6283.06 ft

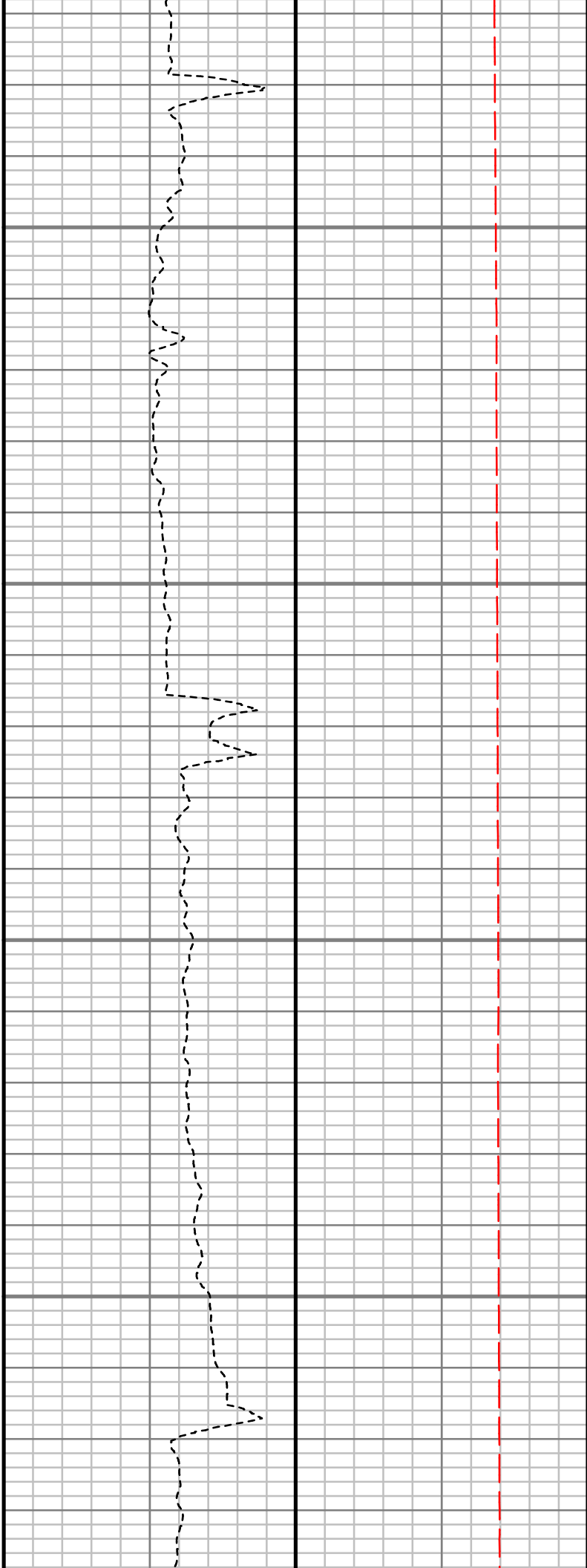
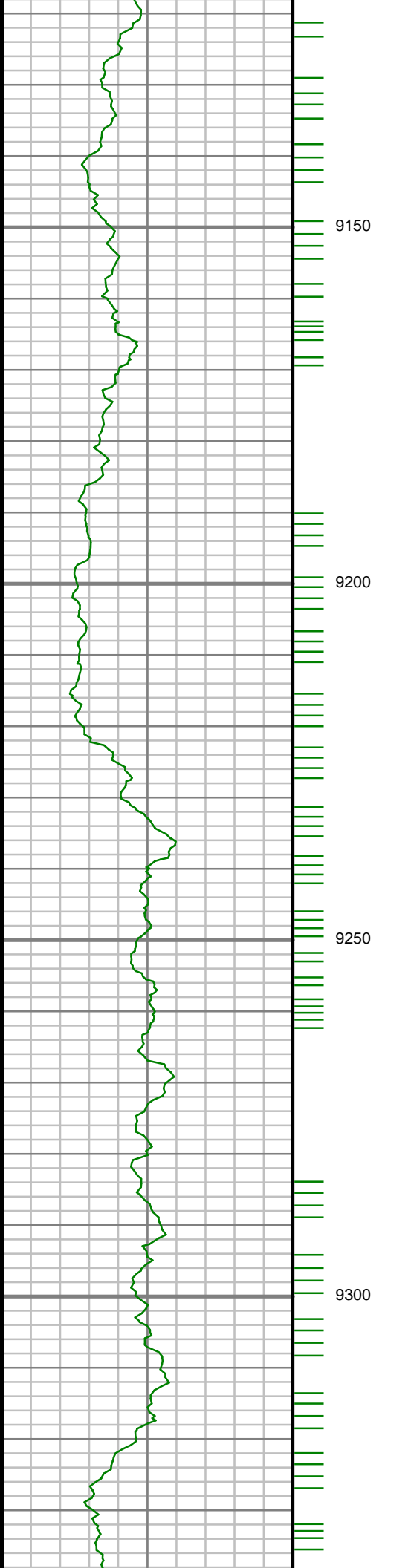
S: 86 MD: 8791.00 ft
Inc: 91.61 deg Az:
88.82 deg TVD:
6281.71 ft

S: 87 MD: 8885.00 ft
Inc: 91.61 deg Az:
87.40 deg TVD:
6279.07 ft



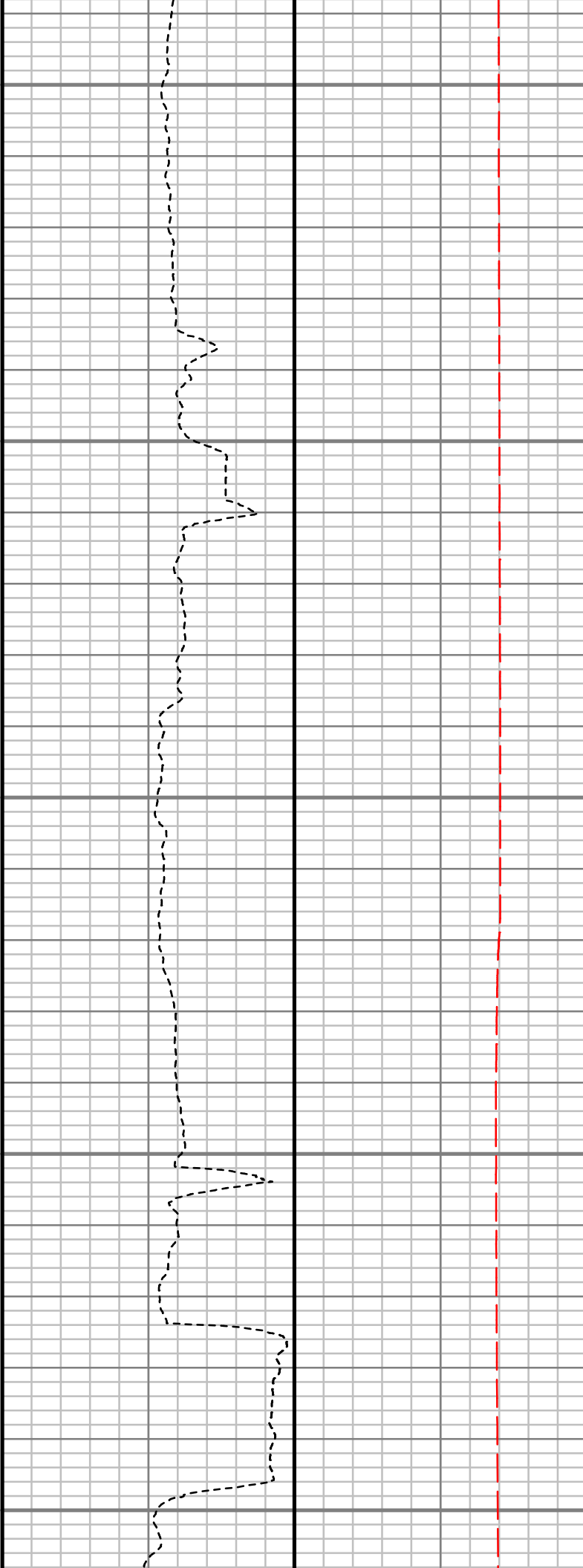
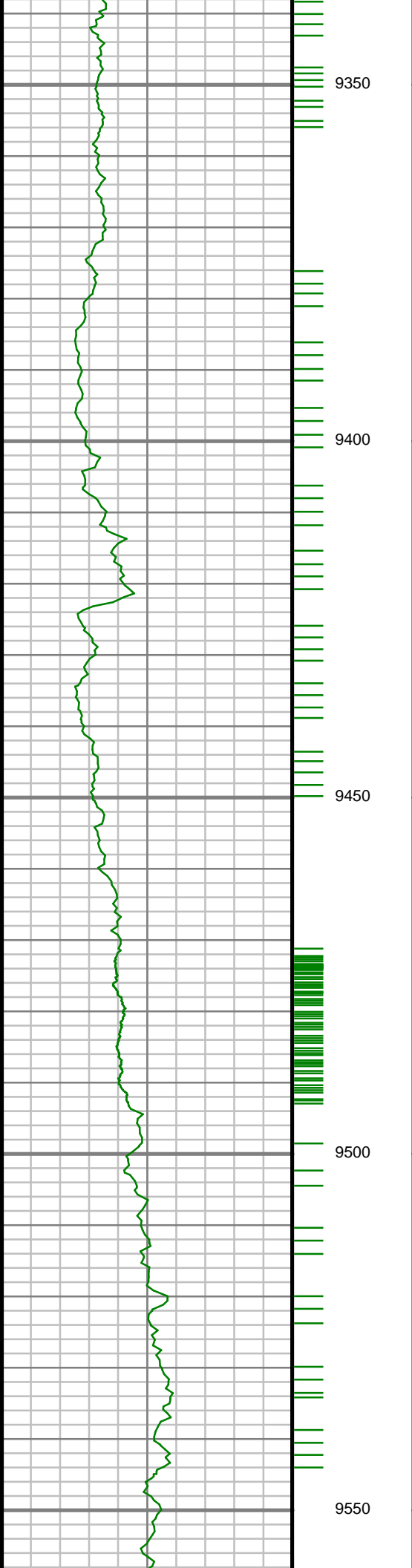
S: 88 MD: 8979.00 ft
Inc: 92.72 deg Az:
88.23 deg TVD:
6275.52 ft

S: 89 MD: 9073.00 ft
Inc: 92.21 deg Az:
88.76 deg TVD:
6271.47 ft



S: 90 MD: 9167.00 ft
Inc: 89.43 deg Az:
89.69 deg TVD:
6270.12 ft

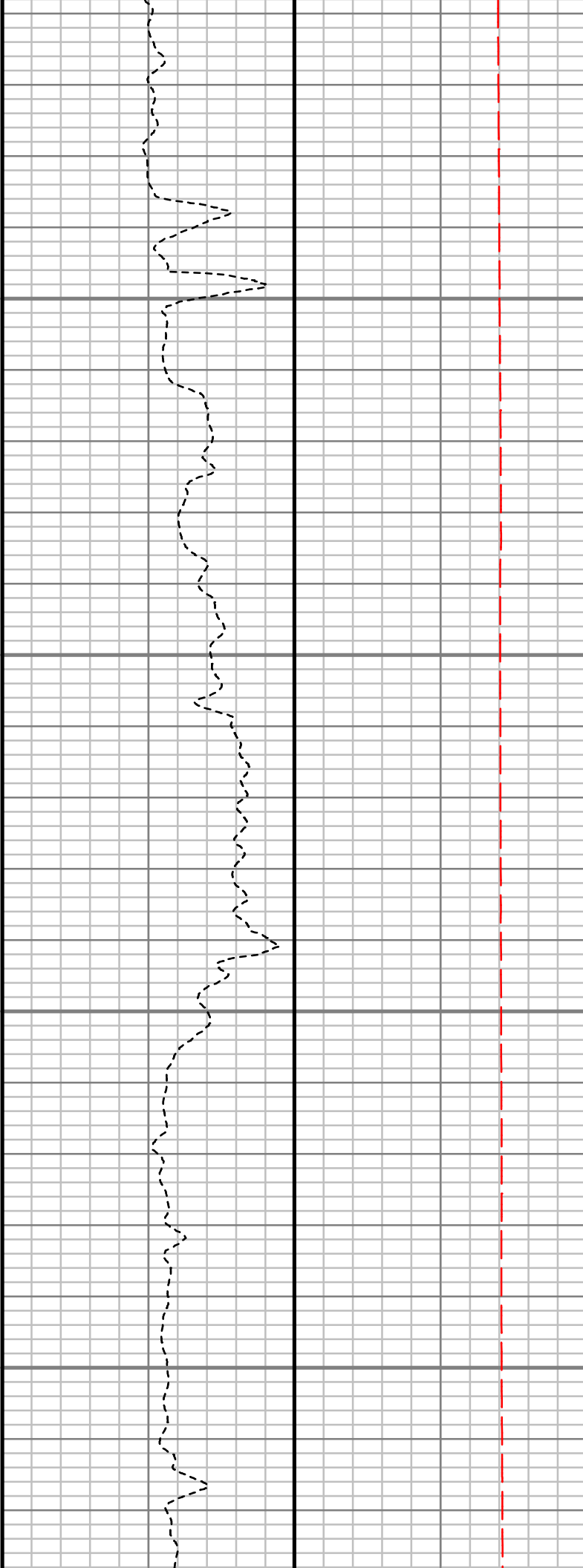
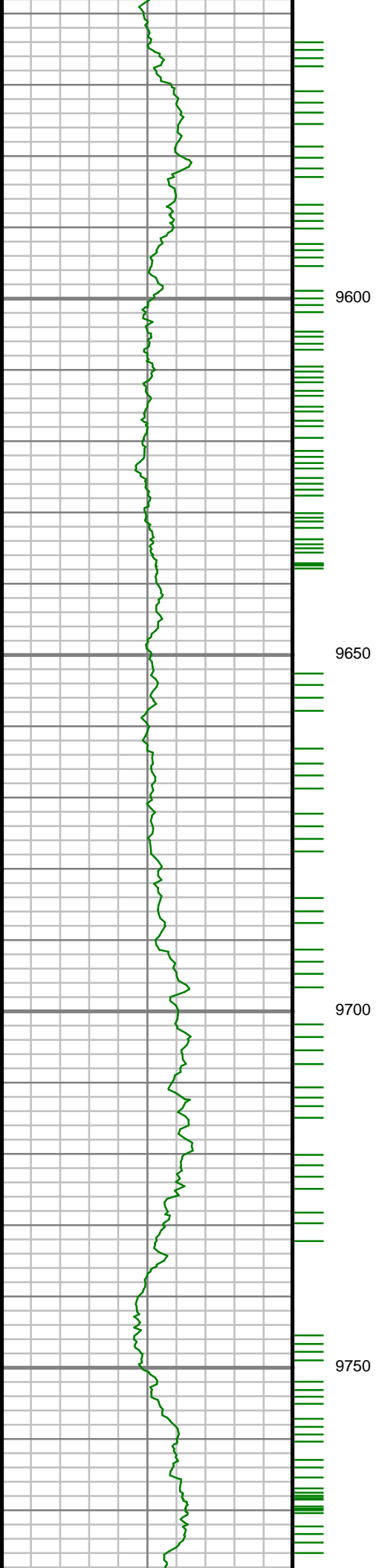
S: 91 MD: 9260.00 ft
Inc: 89.33 deg Az:
88.37 deg TVD:
6271.13 ft



S: 92 MD: 9354.00 ft
Inc: 89.30 deg Az:
87.34 deg TVD:
6272.26 ft

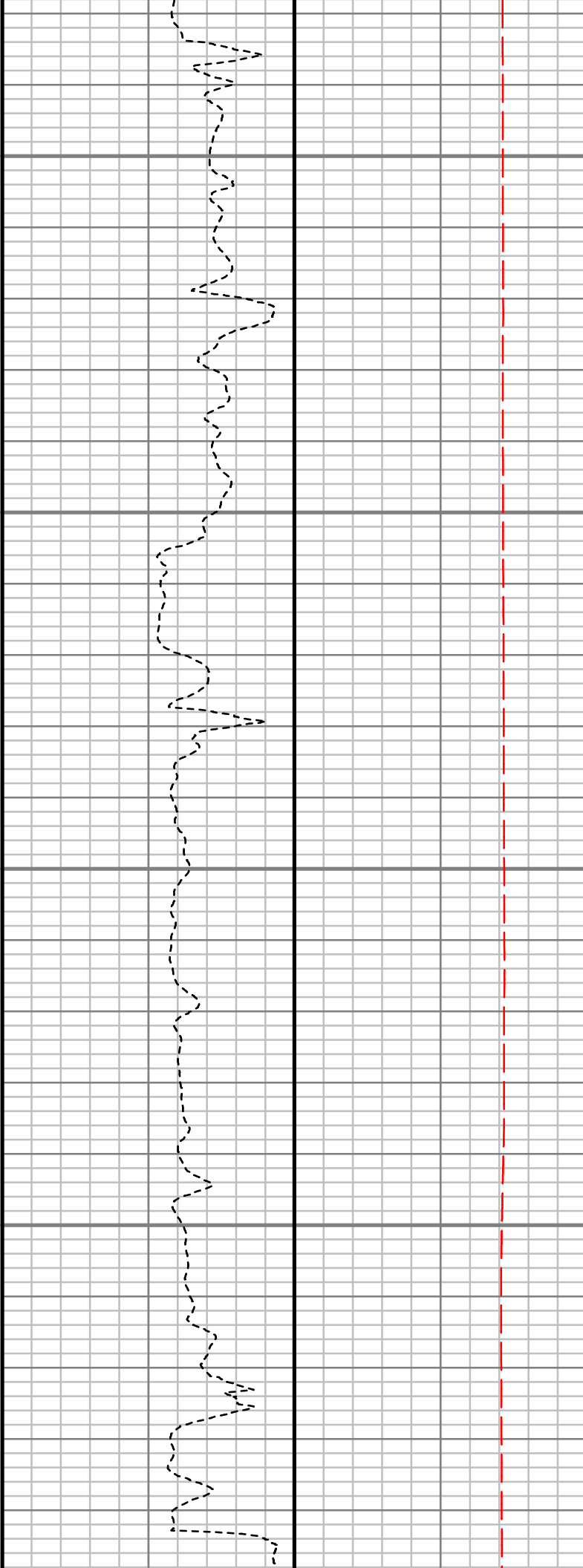
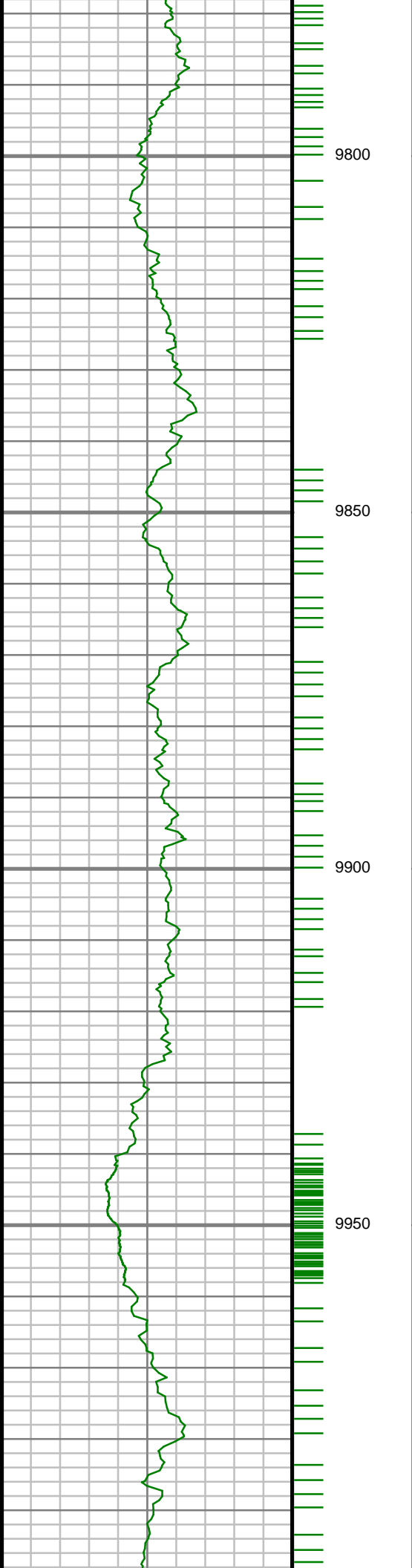
S: 93 MD: 9447.00 ft
Inc: 89.63 deg Az:
86.43 deg TVD:
6273.13 ft

S: 94 MD: 9540.00 ft
Inc: 89.40 deg Az:
89.29 deg TVD:
6273.92 ft



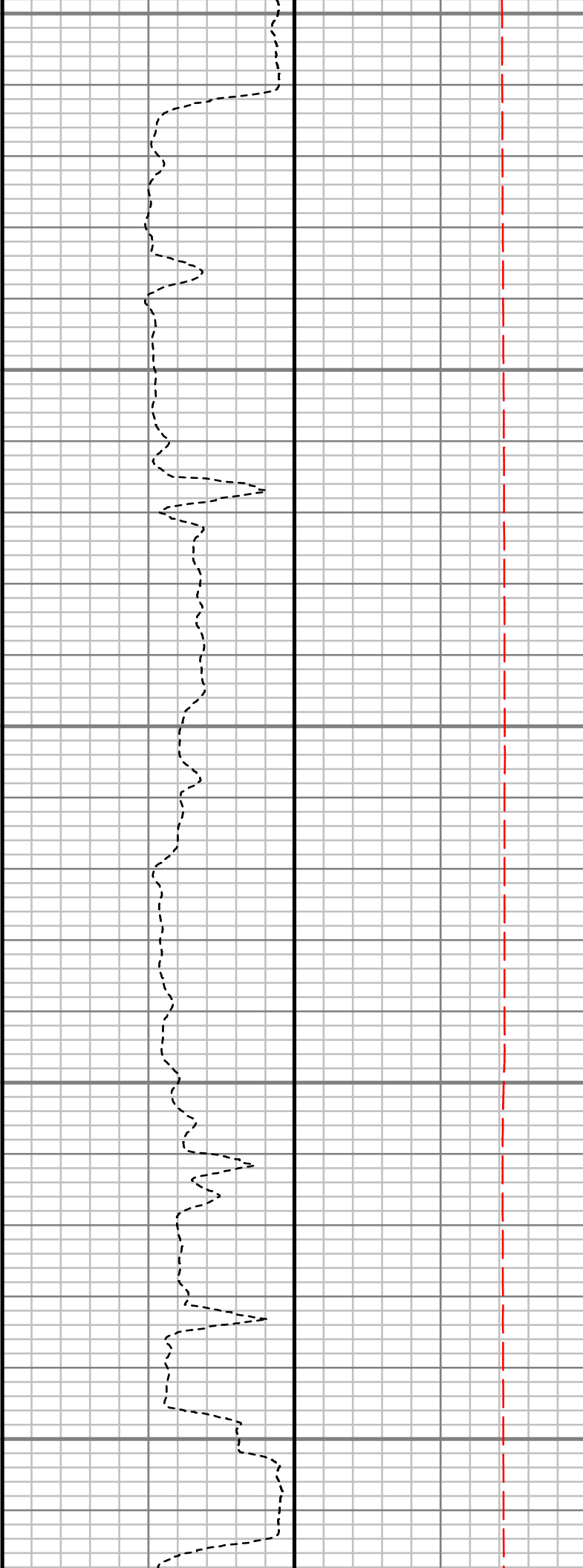
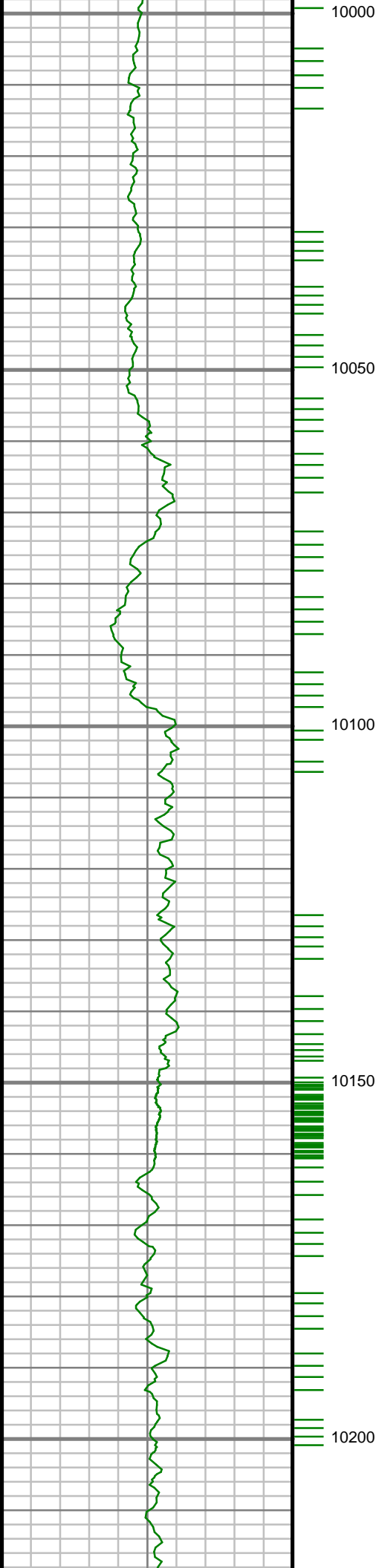
S: 95 MD: 9635.00 ft
Inc: 89.76 deg Az:
88.91 deg TVD:
6274.61 ft

S: 96 MD: 9728.00 ft
Inc: 89.56 deg Az:
89.47 deg TVD:
6275.16 ft



S: 97 MD: 9822.00 ft
Inc: 89.33 deg Az:
89.17 deg TVD:
6276.07 ft

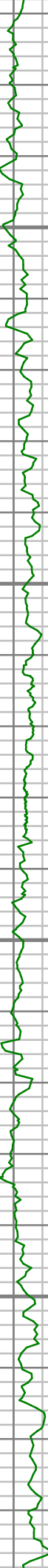
S: 98 MD: 9916.00 ft
Inc: 88.89 deg Az:
88.69 deg TVD:
6277.53 ft



S: 99 MD: 10010.00 ft
Inc: 90.70 deg Az:
89.18 deg TVD:
6277.86 ft

S: 100 MD: 10104.00 ft
Inc: 91.31 deg Az:
89.12 deg TVD:
6276.21 ft

S: 101 MD: 10199.00 ft
Inc: 91.04 deg Az:
89.36 deg TVD:
6274.26 ft

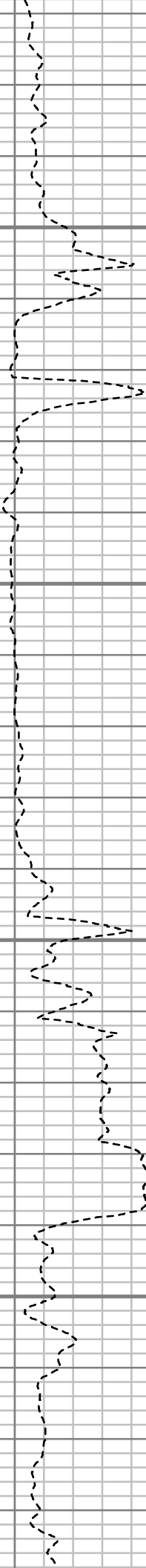


10250

10300

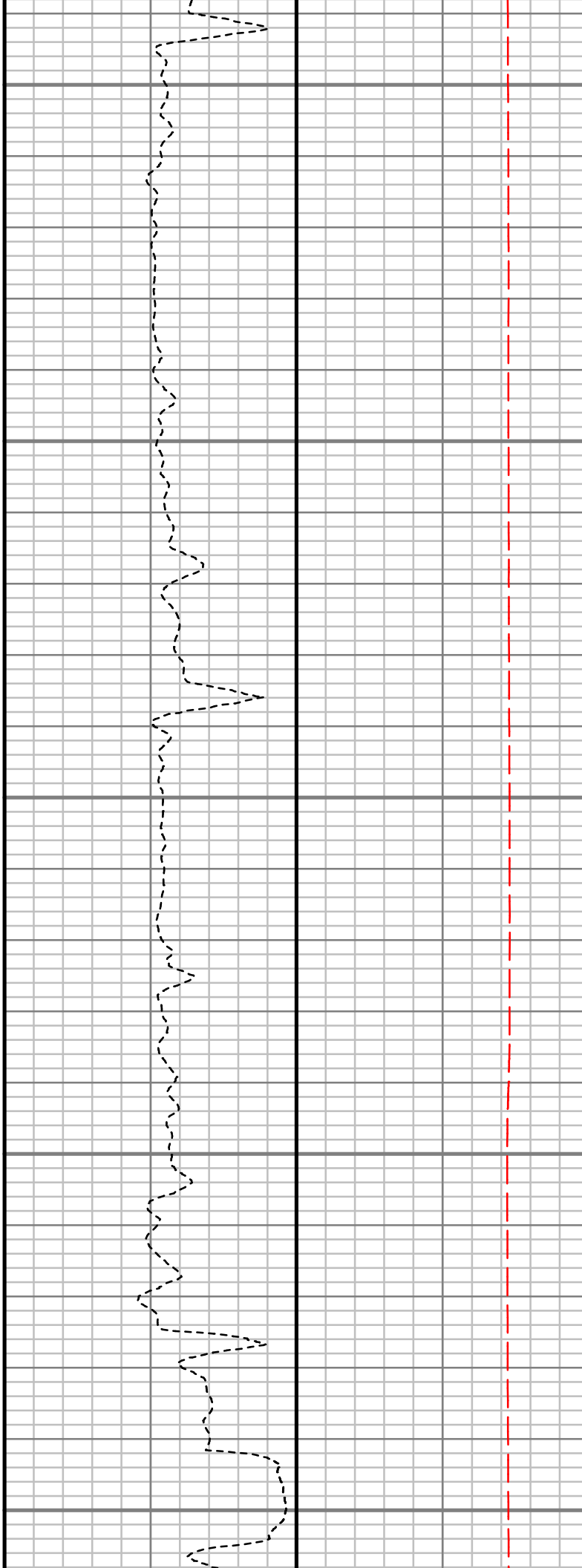
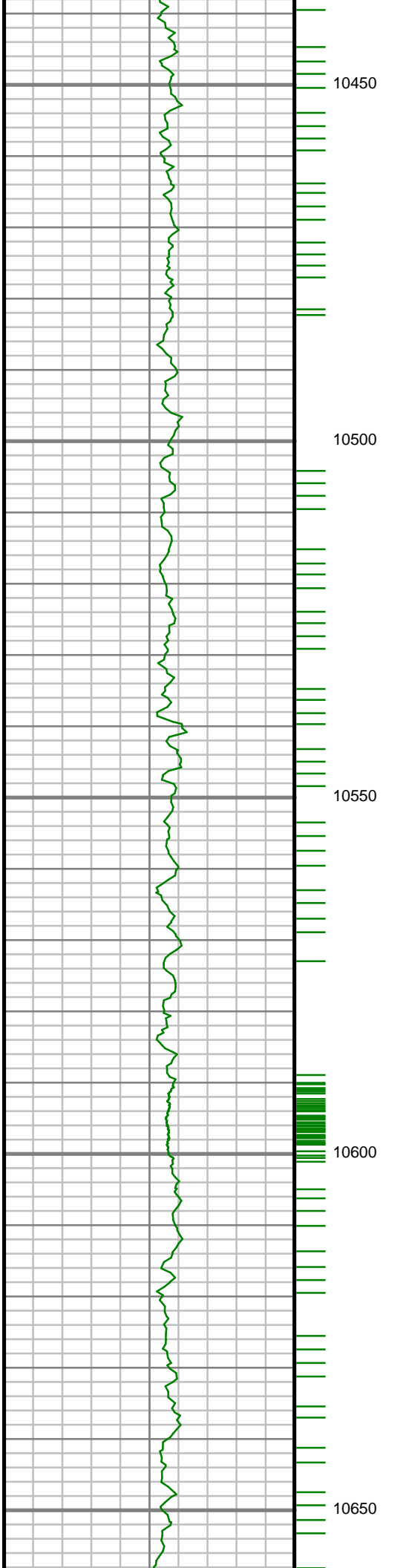
10350

10400



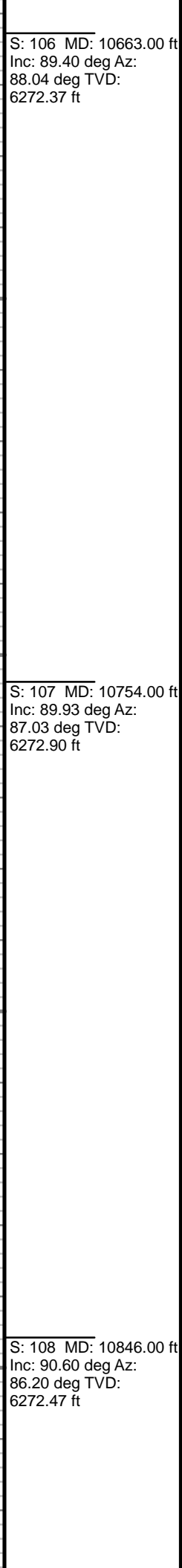
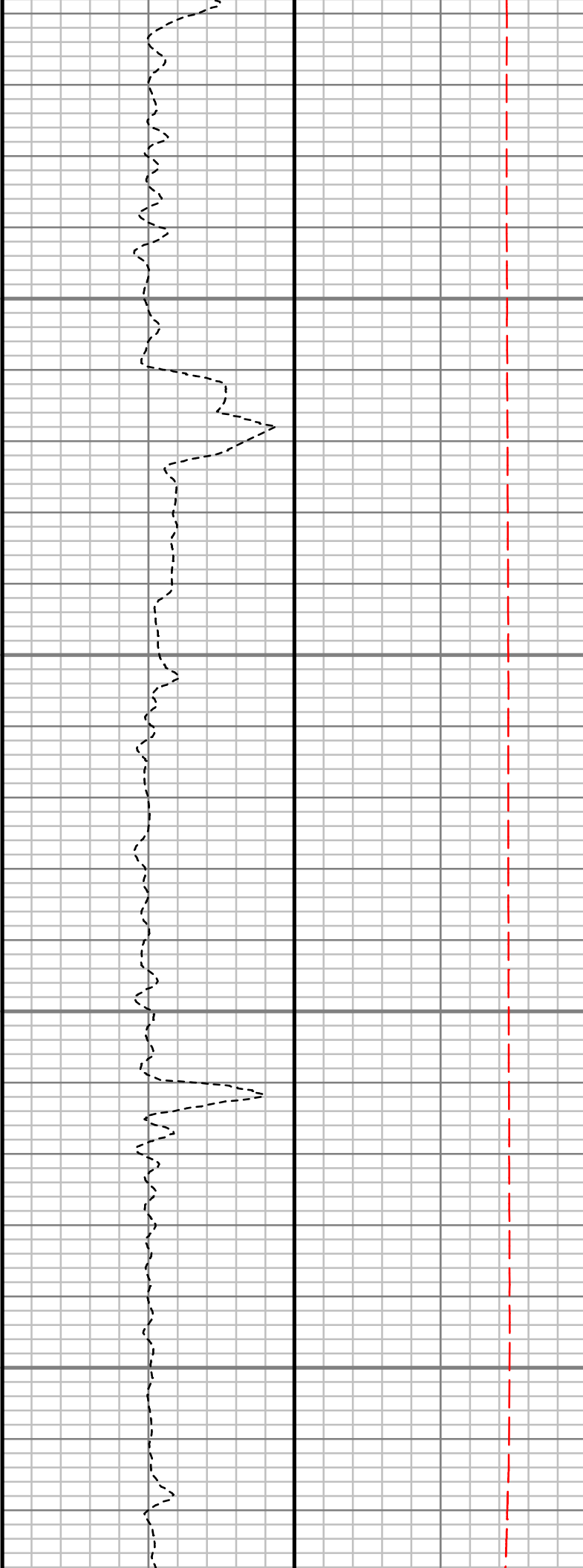
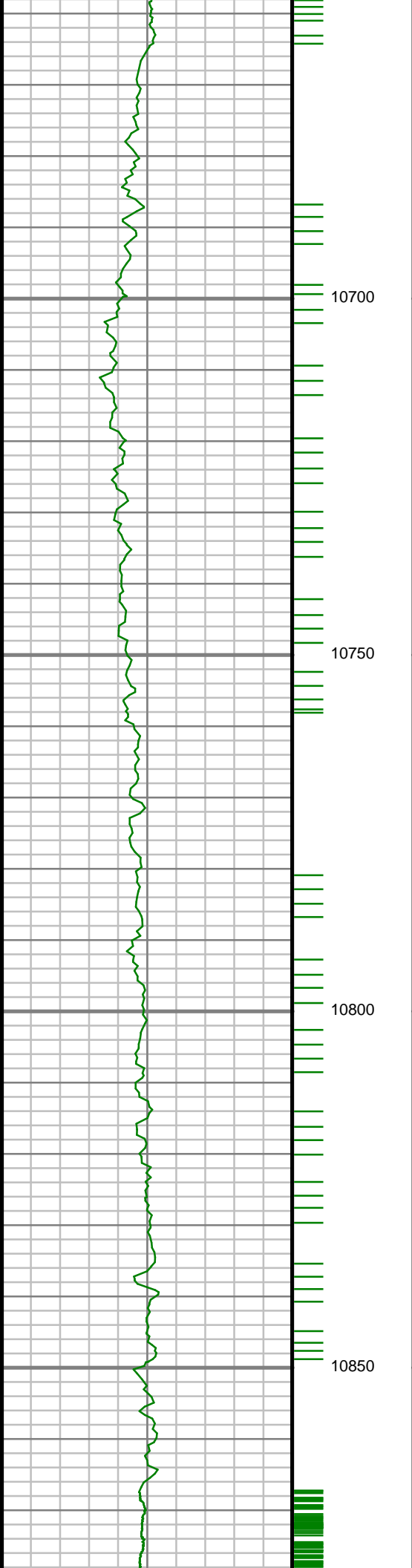
S: 102 MD: 10293.00 ft
Inc: 90.67 deg Az:
88.46 deg TVD:
6272.86 ft

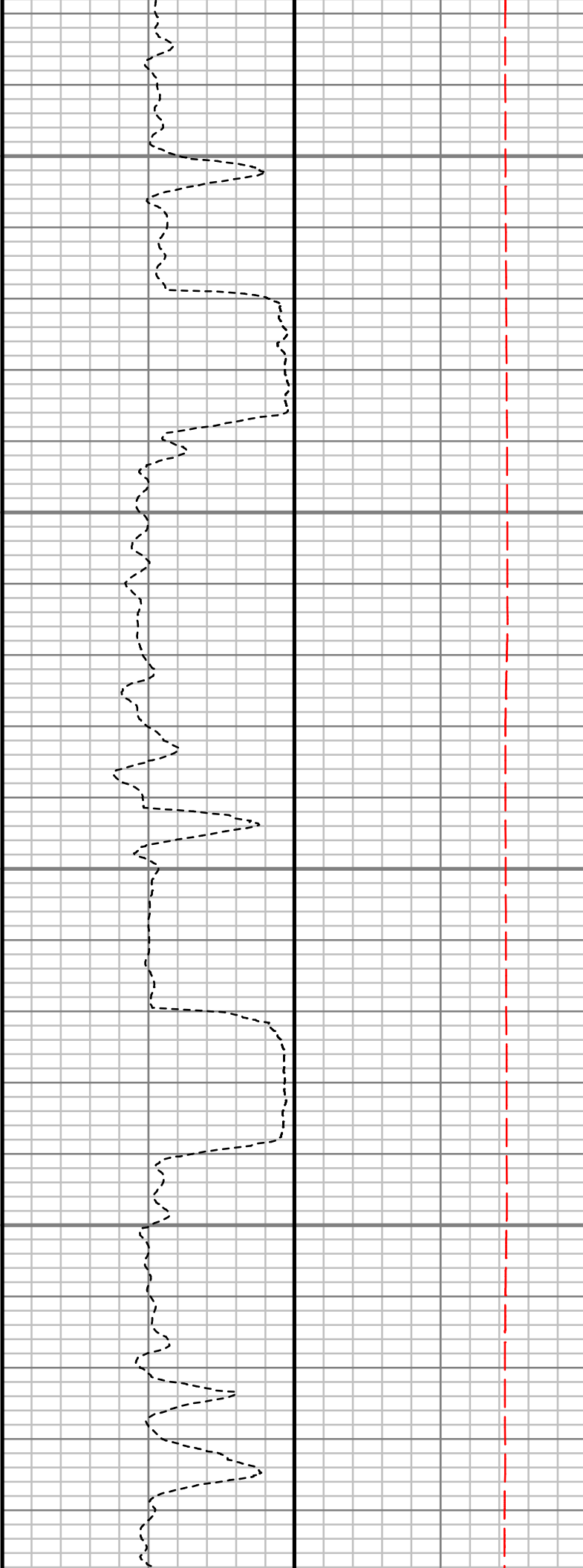
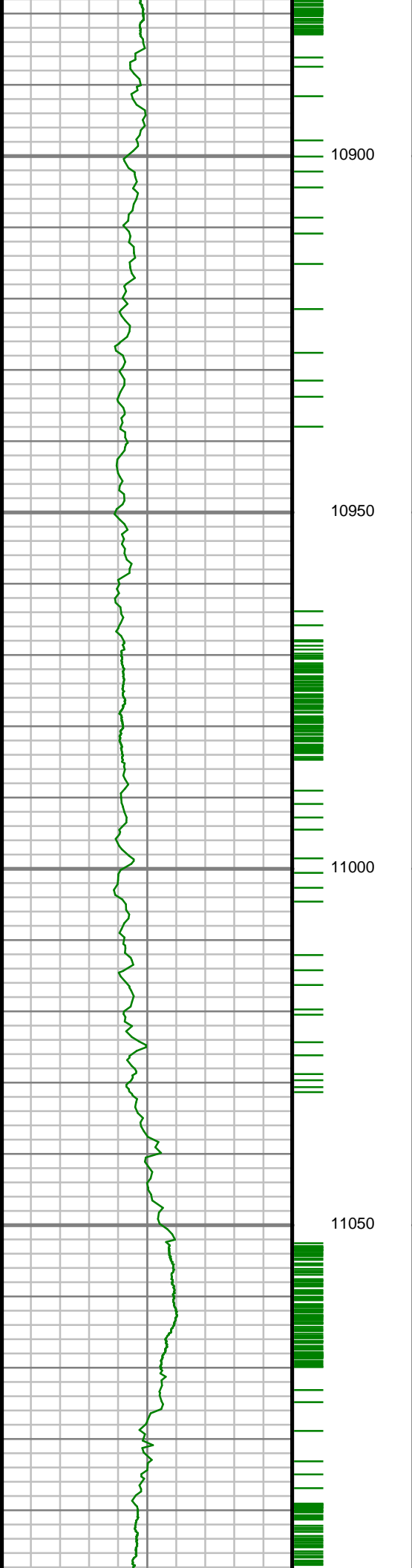
S: 103 MD: 10387.00 ft
Inc: 89.87 deg Az:
89.18 deg TVD:
6272.42 ft



S: 104 MD: 10480.00 ft
Inc: 89.93 deg Az:
88.31 deg TVD:
6272.58 ft

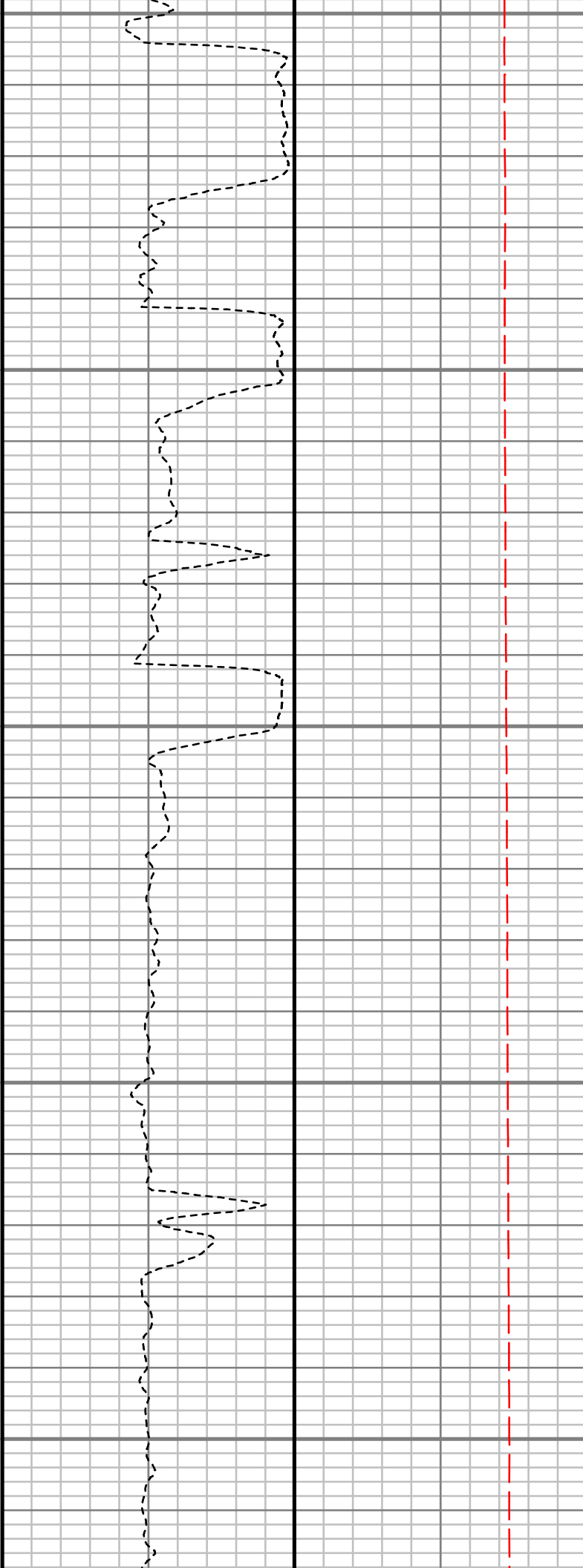
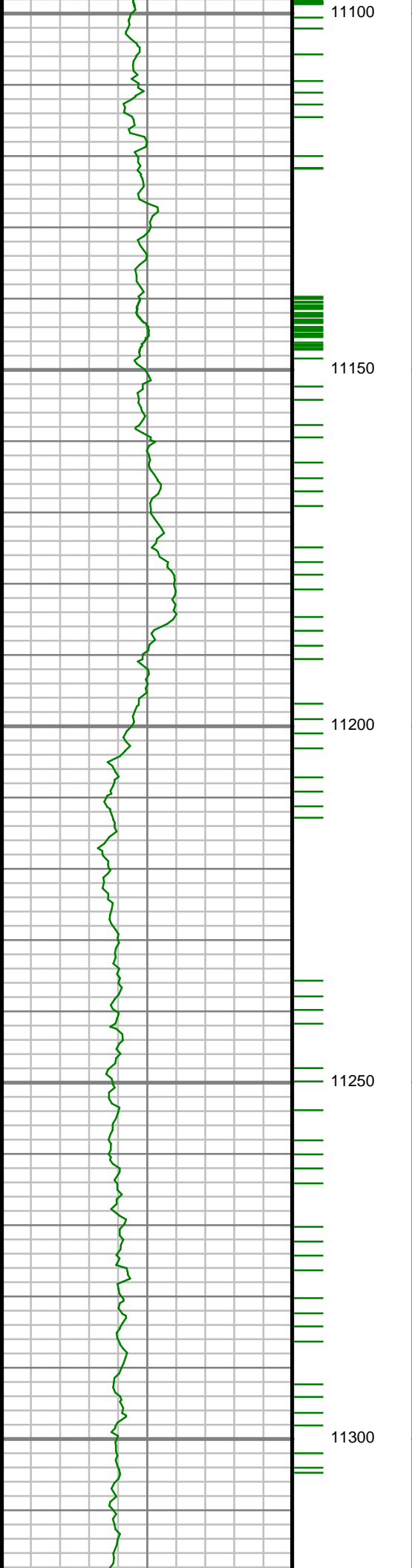
S: 105 MD: 10571.00 ft
Inc: 90.47 deg Az:
88.47 deg TVD:
6272.26 ft





S: 109 MD: 10937.00 ft
Inc: 90.94 deg Az:
85.76 deg TVD:
6271.24 ft

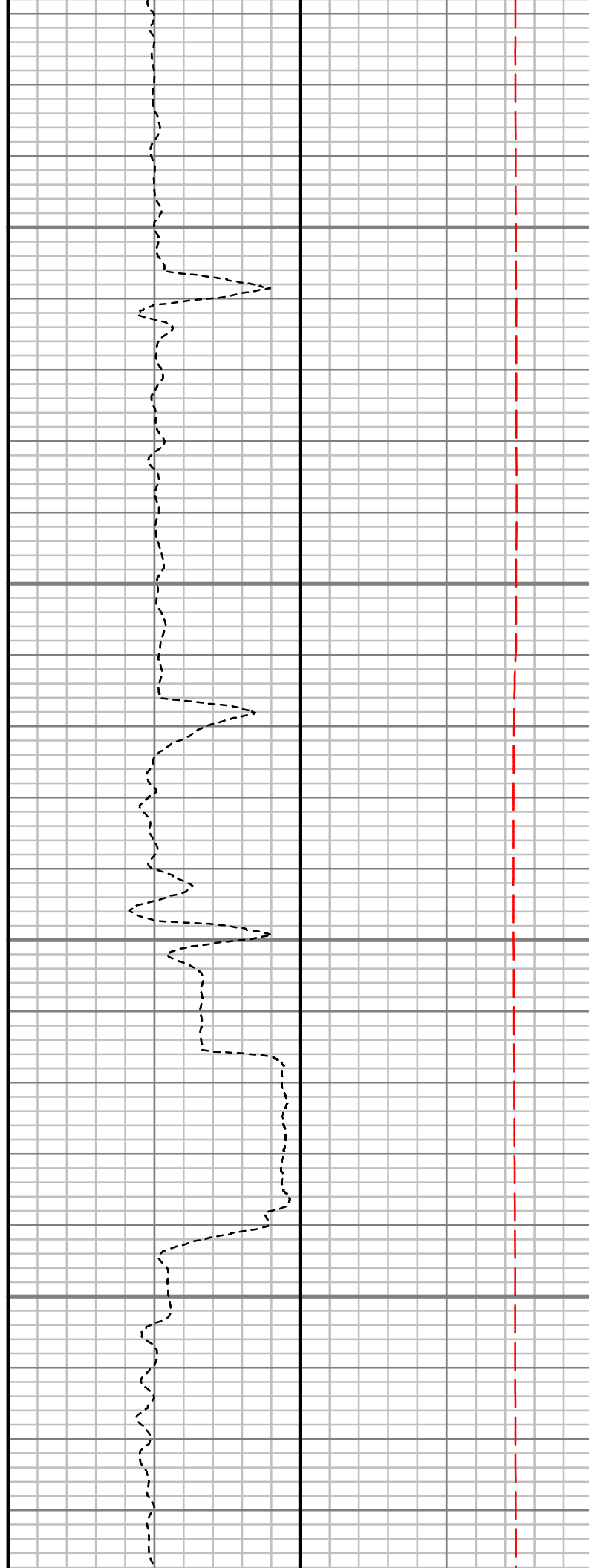
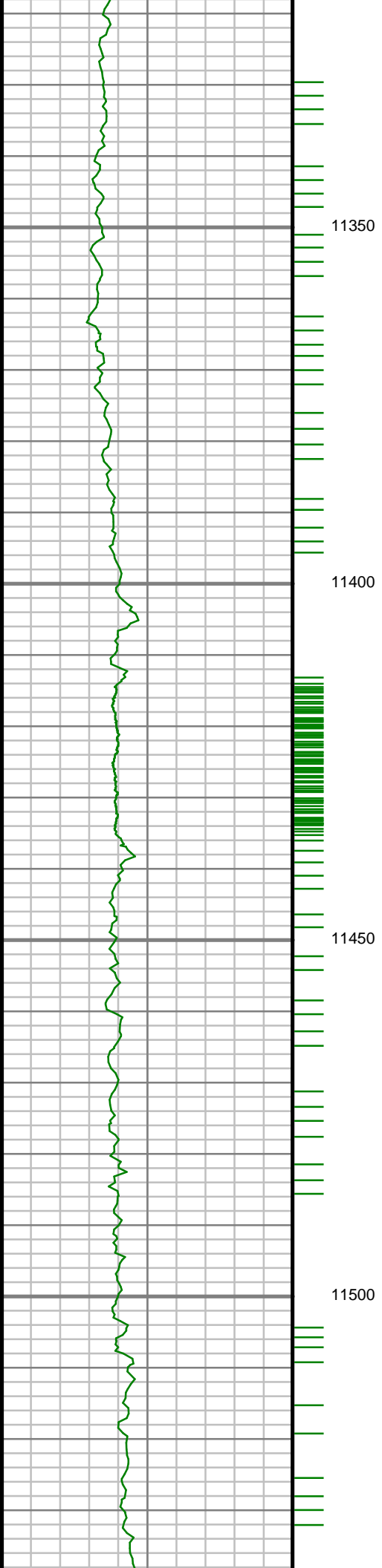
S: 110 MD: 11028.00 ft
Inc: 88.89 deg Az:
85.38 deg TVD:
6271.38 ft



S: 111 MD: 11119.00 ft
Inc: 89.70 deg Az:
88.74 deg TVD:
6272.50 ft

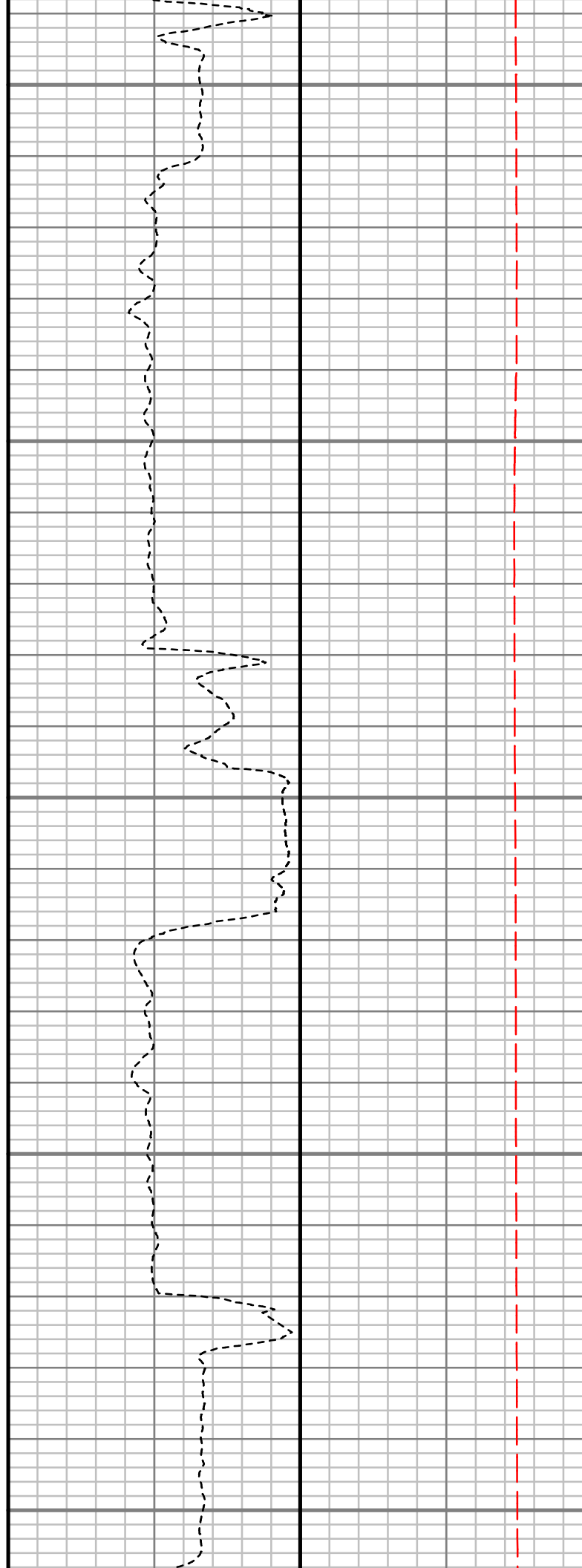
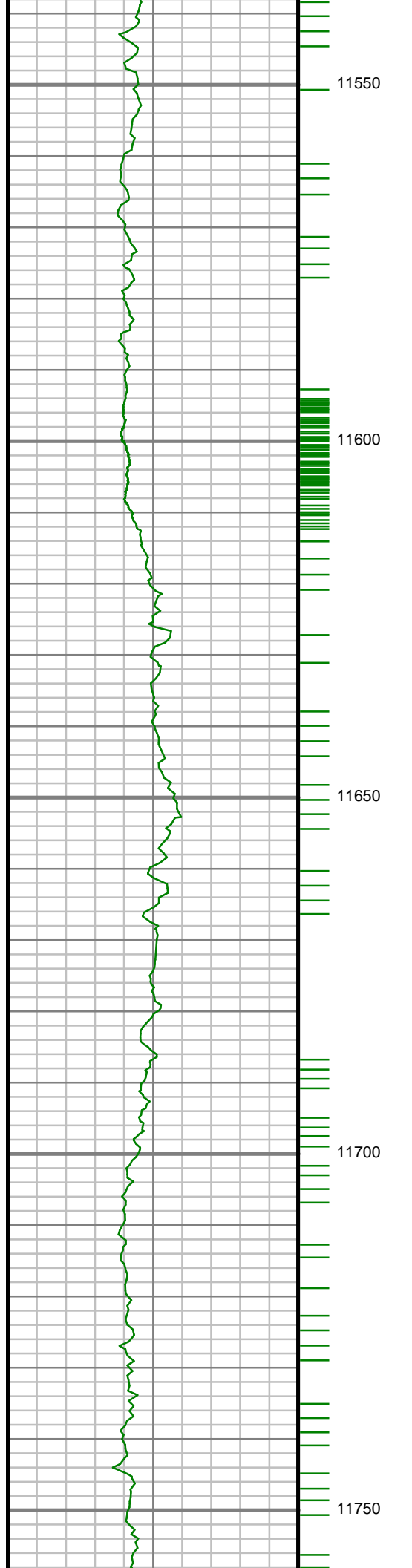
S: 112 MD: 11210.00 ft
Inc: 89.30 deg Az:
91.33 deg TVD:
6273.30 ft

S: 113 MD: 11301.00 ft
Inc: 89.83 deg Az:
90.35 deg TVD:
6273.99 ft



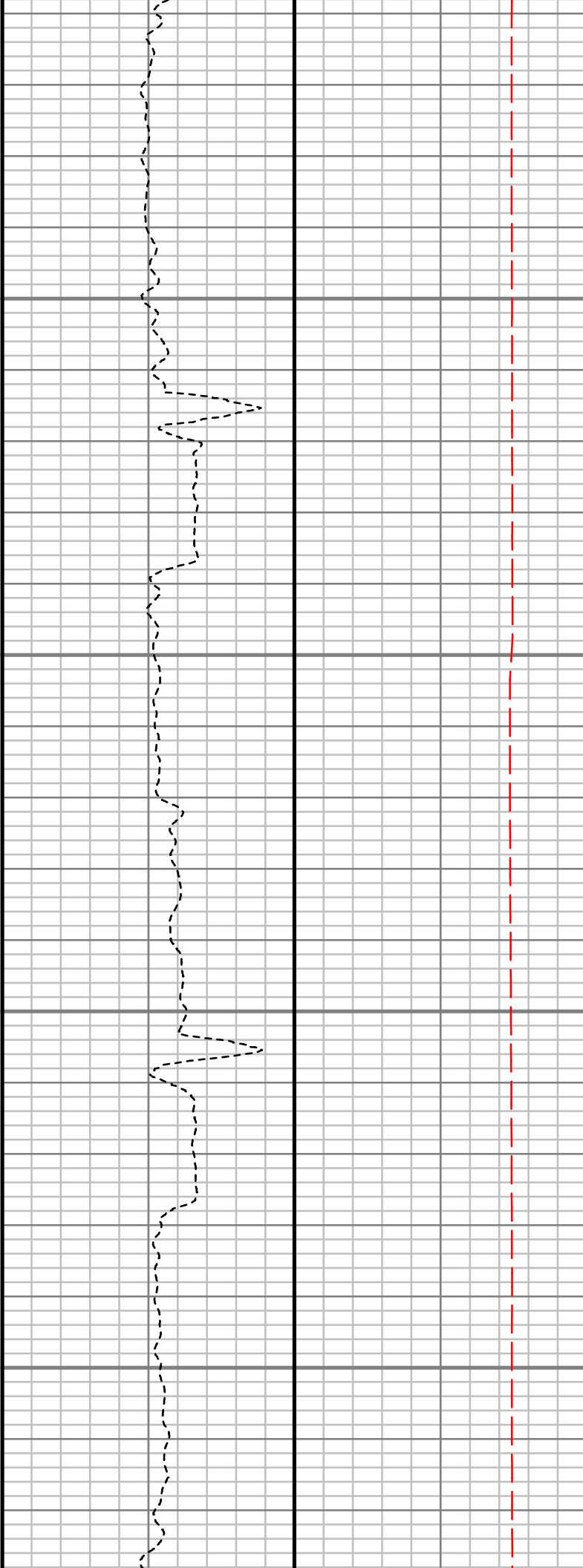
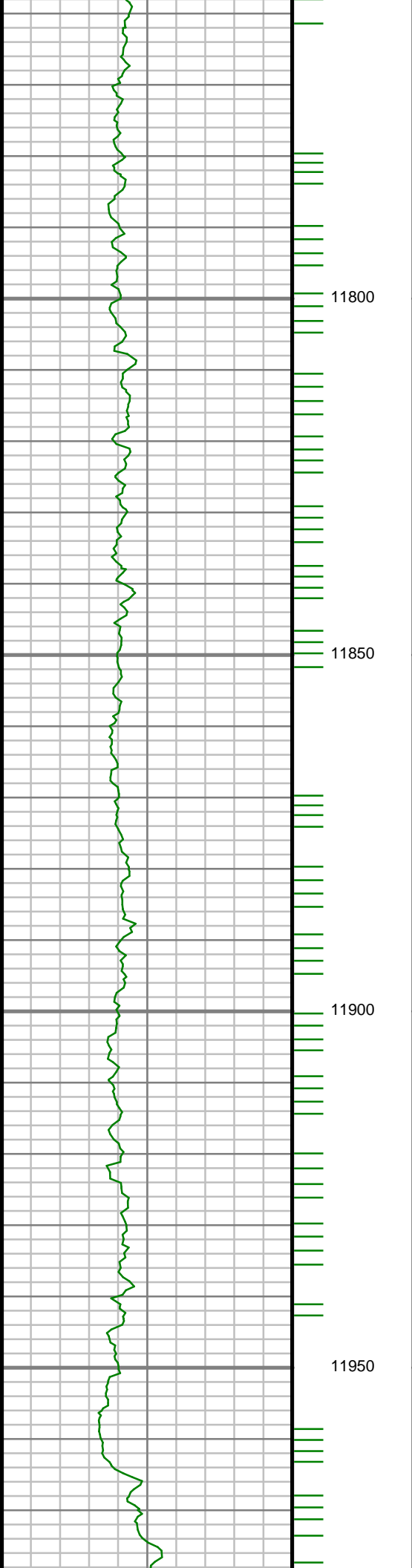
S: 114 MD: 11393.00 ft
Inc: 90.60 deg Az:
88.82 deg TVD:
6273.64 ft

S: 115 MD: 11484.00 ft
Inc: 91.21 deg Az:
90.06 deg TVD:
6272.20 ft



S: 116 MD: 11575.00 ft
Inc: 91.34 deg Az:
89.31 deg TVD:
6270.17 ft

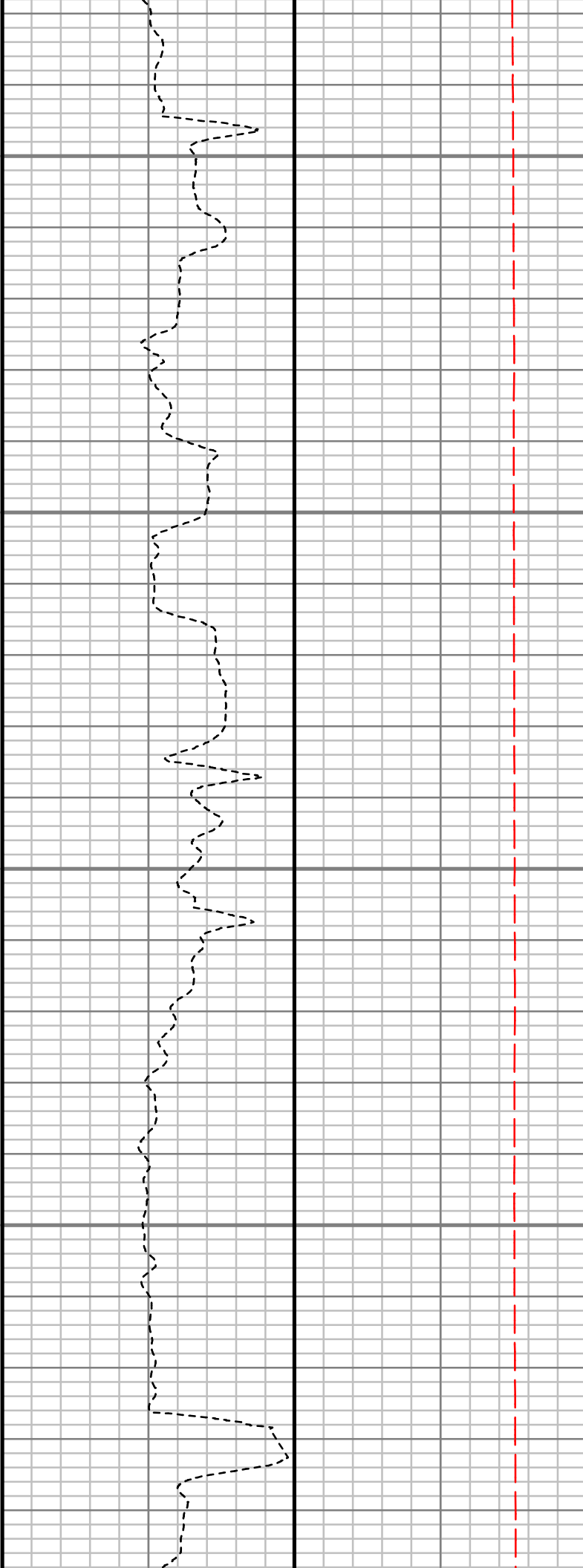
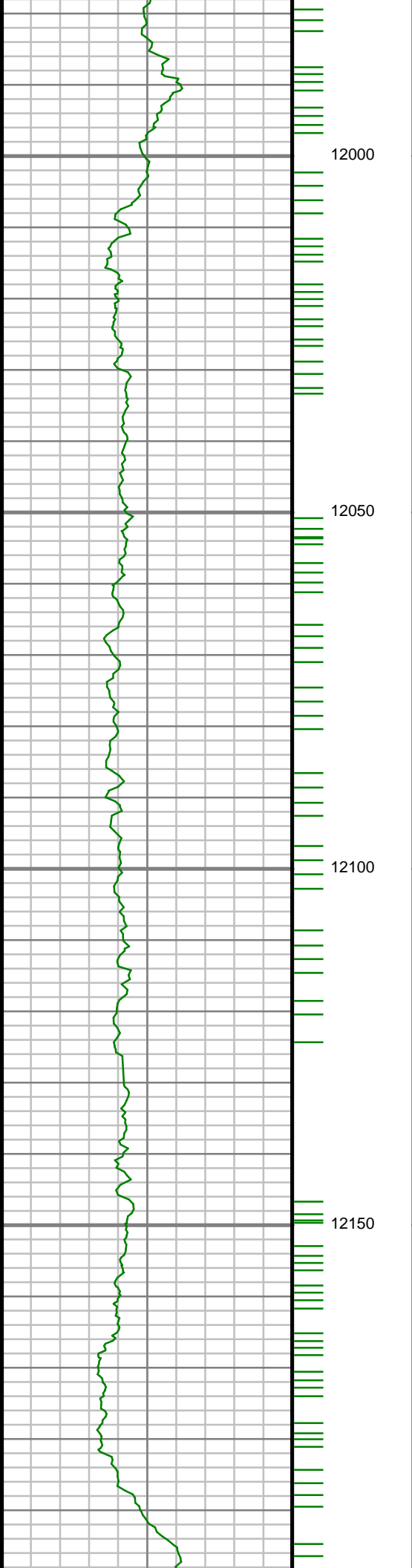
S: 117 MD: 11666.00 ft
Inc: 89.90 deg Az:
91.15 deg TVD:
6269.19 ft



S: 118 MD: 11758.00 ft
Inc: 89.73 deg Az:
92.17 deg TVD:
6269.48 ft

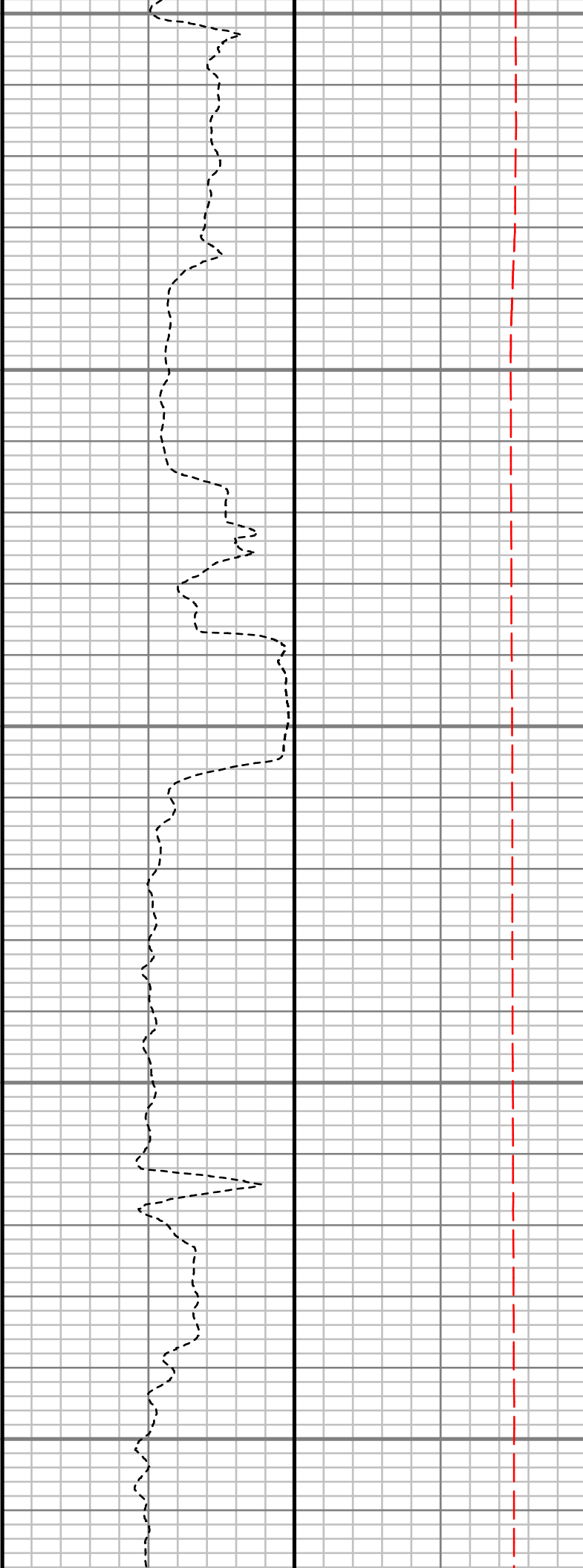
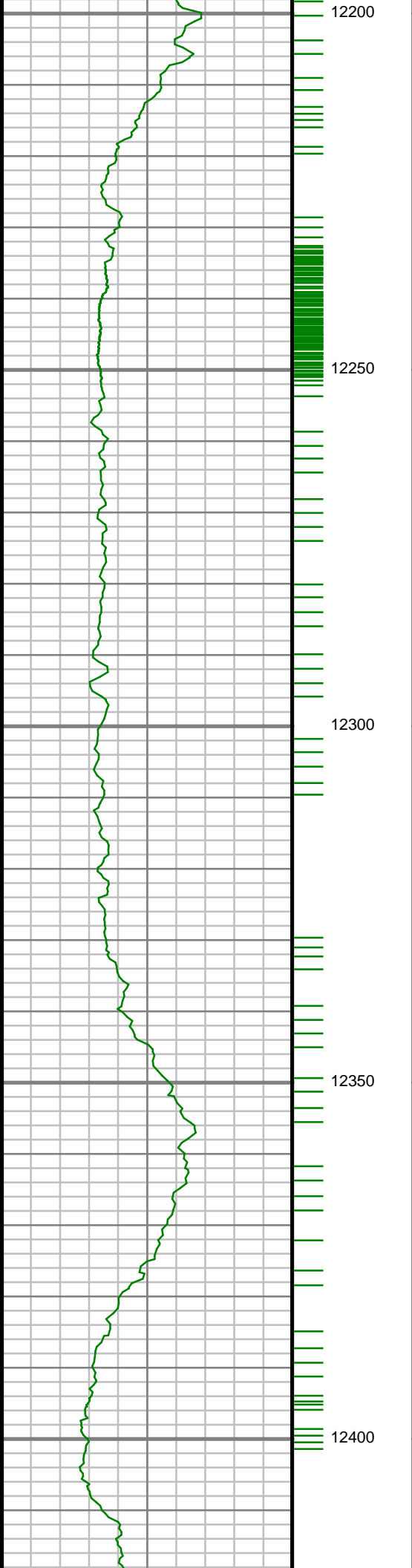
S: 119 MD: 11850.00 ft
Inc: 89.93 deg Az:
90.66 deg TVD:
6269.75 ft

S: 120 MD: 11941.00 ft
Inc: 90.30 deg Az:
89.34 deg TVD:
6269.56 ft



S: 121 MD: 12032.00 ft
Inc: 90.20 deg Az:
90.26 deg TVD:
6269.16 ft

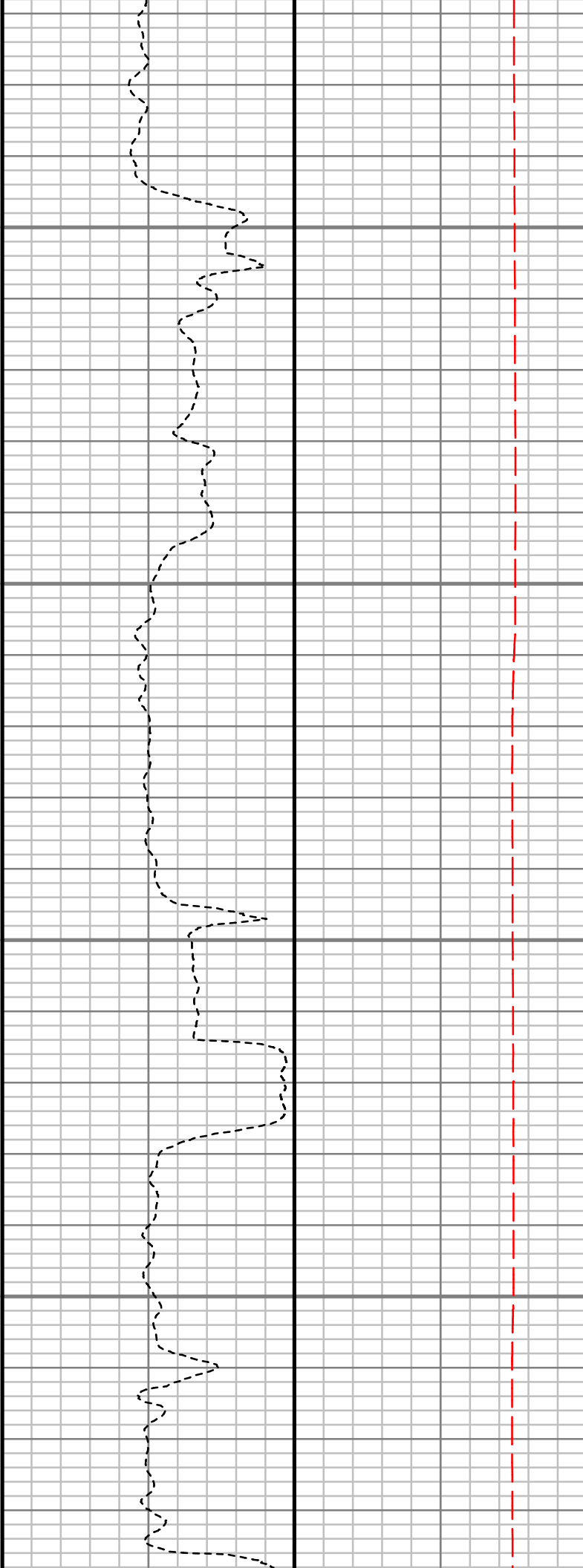
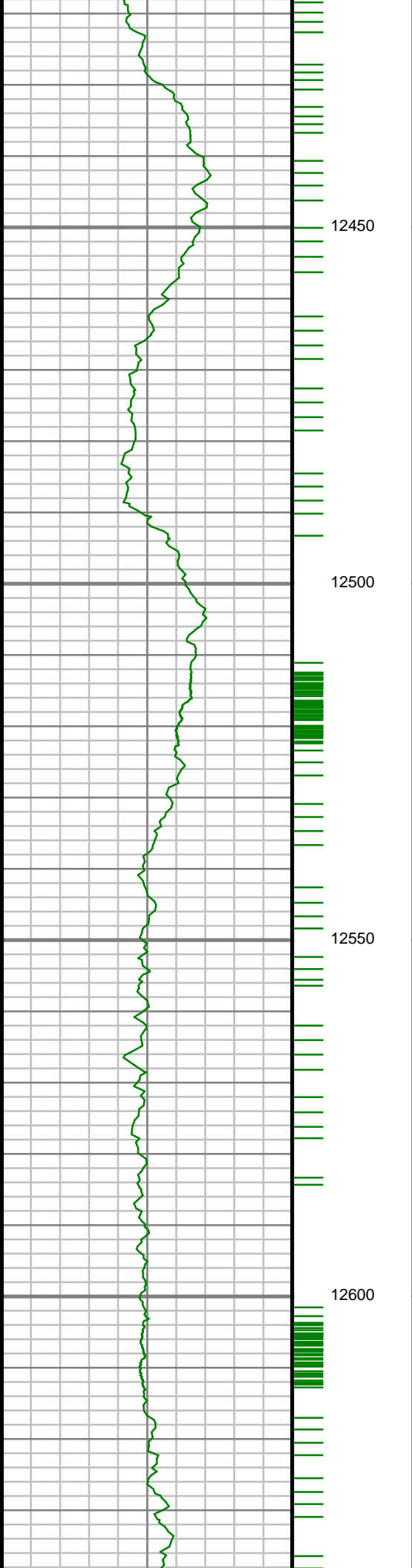
S: 122 MD: 12124.00 ft
Inc: 90.40 deg Az:
89.99 deg TVD:
6268.68 ft



S: 123 MD: 12215.00 ft
Inc: 91.04 deg Az:
87.99 deg TVD:
6267.53 ft

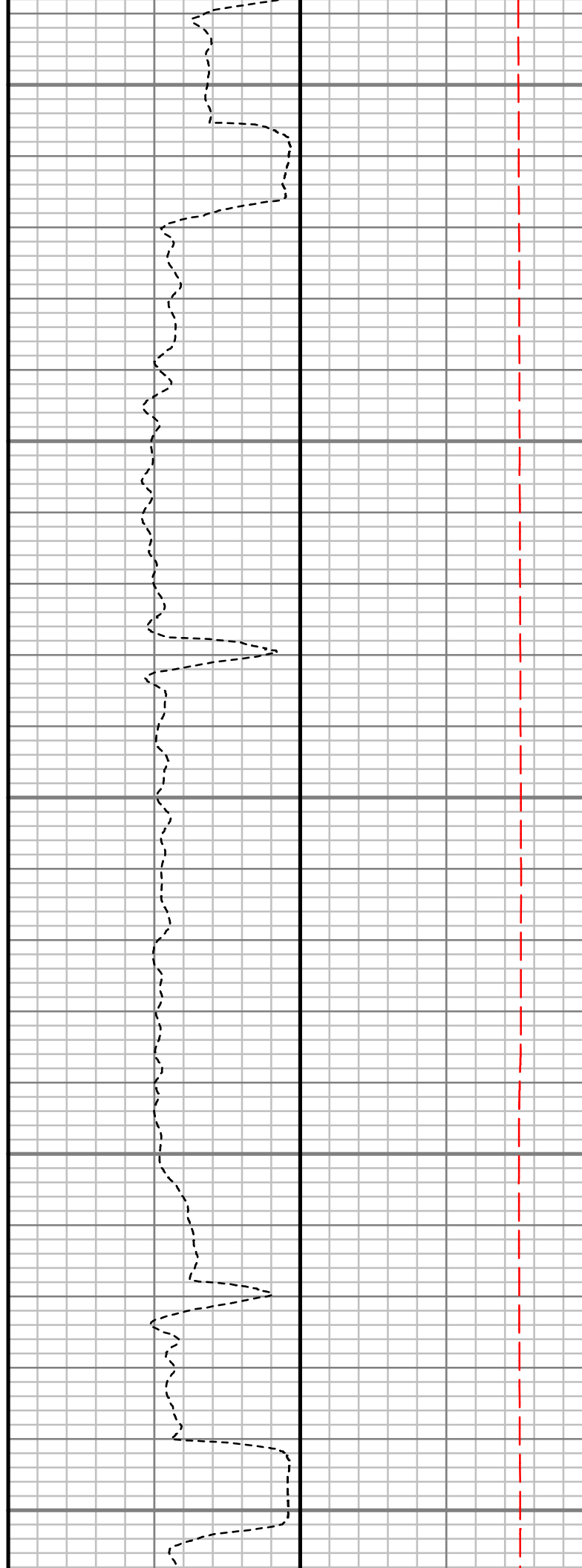
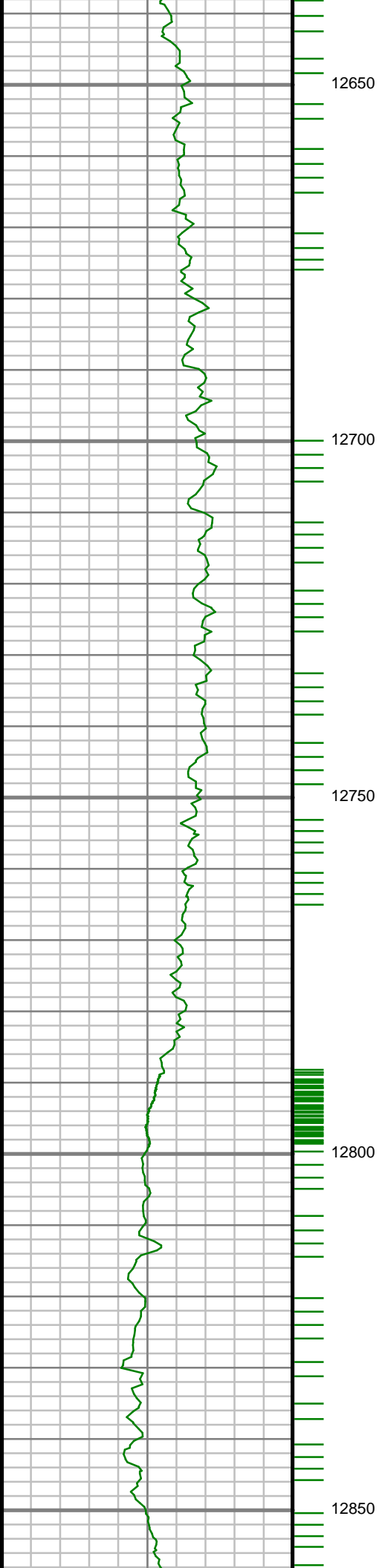
S: 124 MD: 12307.00 ft
Inc: 88.79 deg Az:
89.99 deg TVD:
6267.67 ft

S: 125 MD: 12398.00 ft
Inc: 88.76 deg Az:
90.11 deg TVD:
6269.61 ft



S: 126 MD: 12490.00 ft
Inc: 88.59 deg Az:
88.55 deg TVD:
6271.74 ft

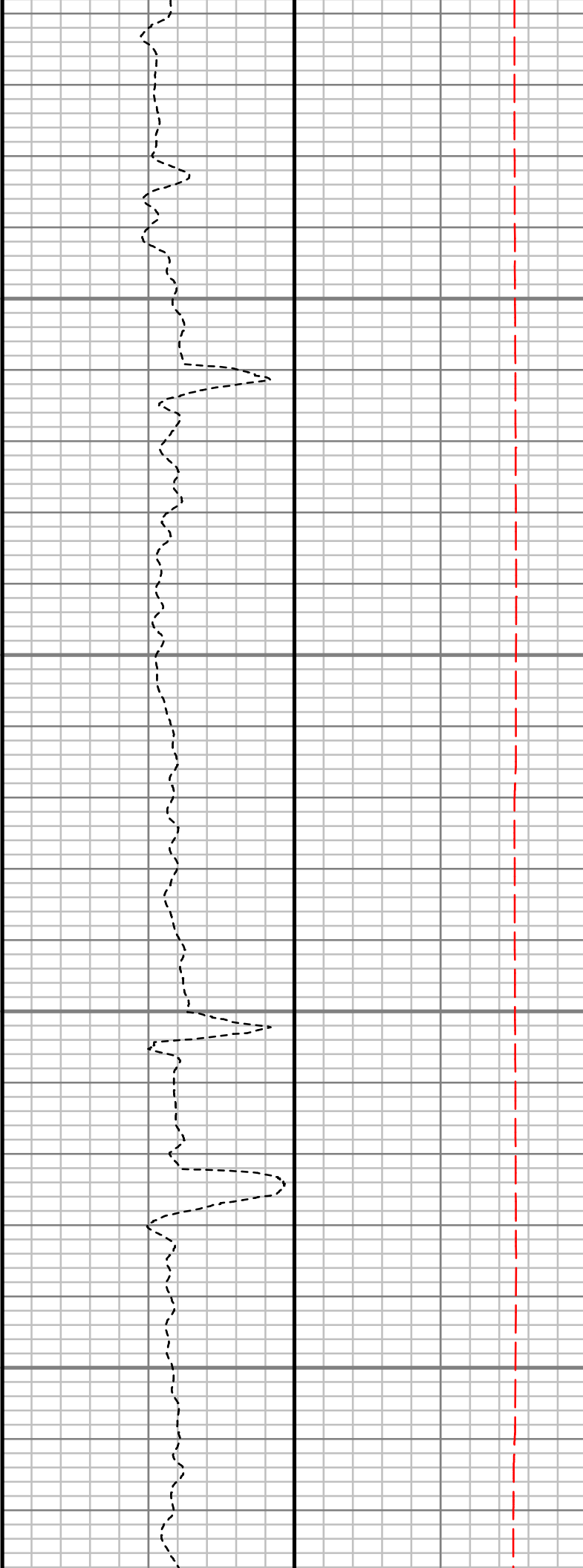
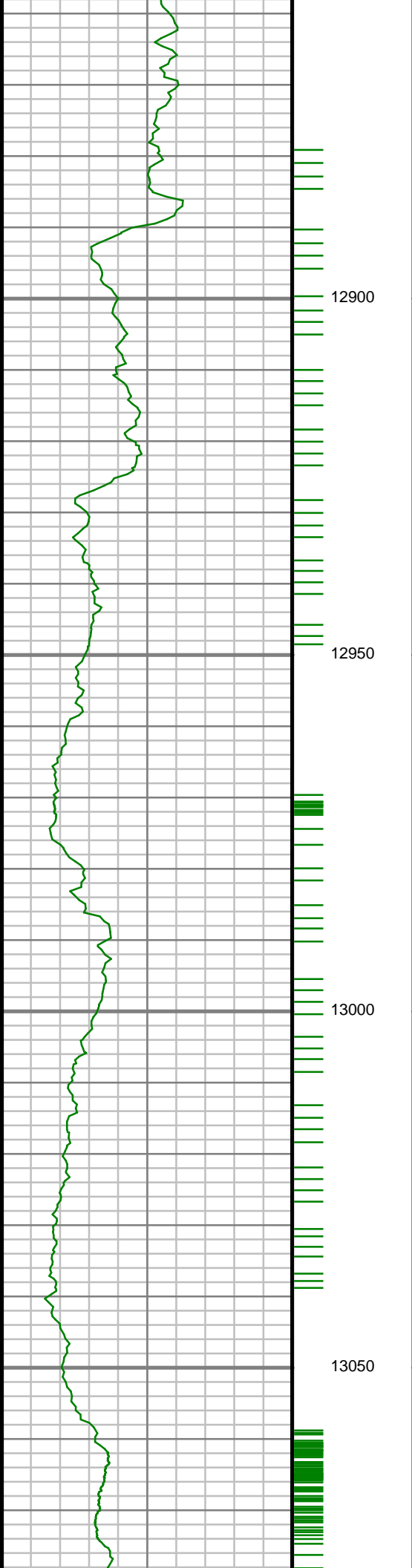
S: 127 MD: 12581.00 ft
Inc: 89.16 deg Az:
88.02 deg TVD:
6273.52 ft



S: 128 MD: 12672.00 ft
Inc: 90.70 deg Az:
87.75 deg TVD:
6273.63 ft

S: 129 MD: 12763.00 ft
Inc: 91.34 deg Az:
87.40 deg TVD:
6272.00 ft

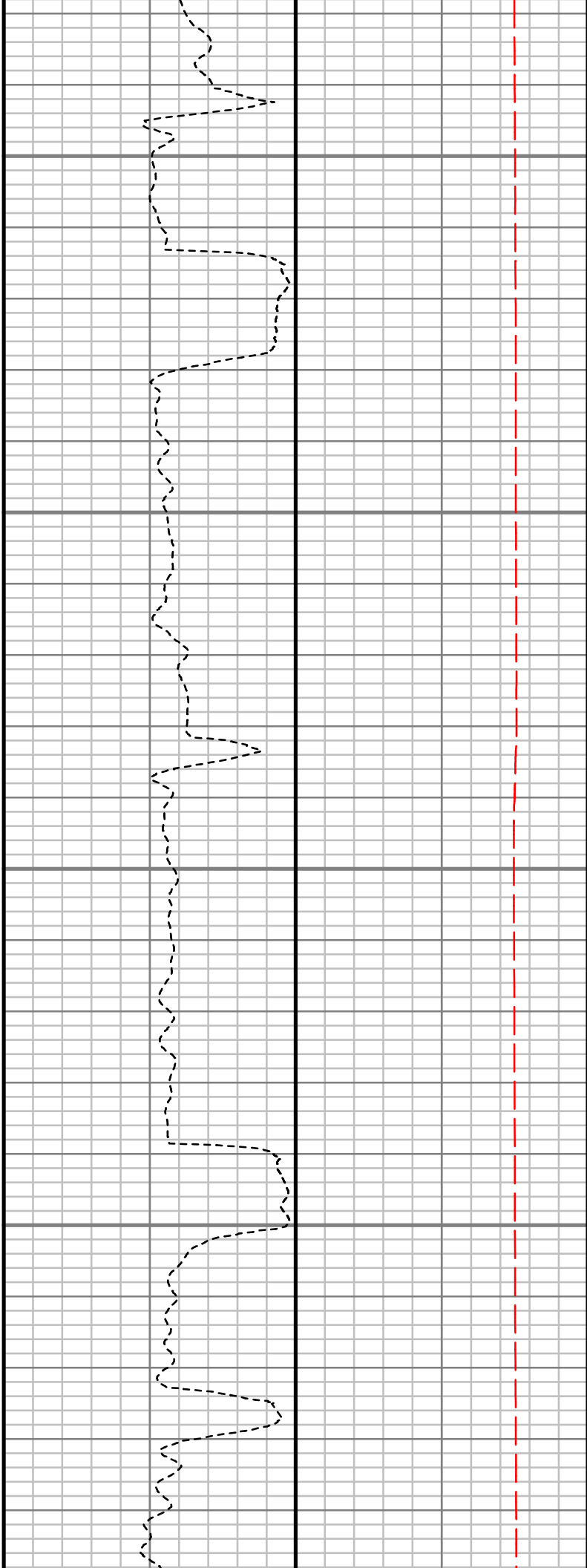
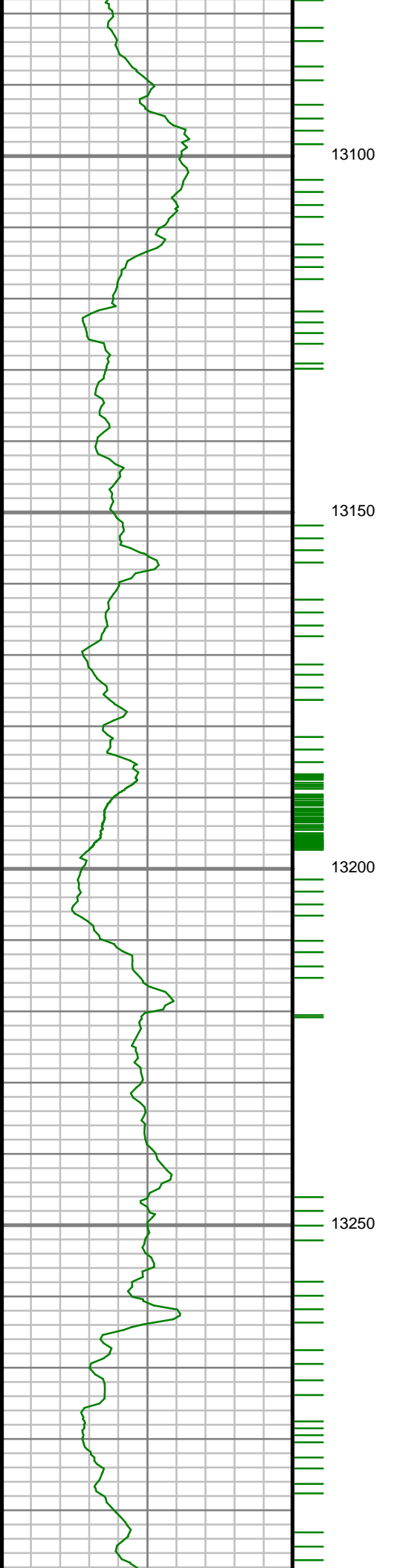
S: 130 MD: 12854.00 ft
Inc: 90.40 deg Az:



88.64 deg TVD:
6270.62 ft

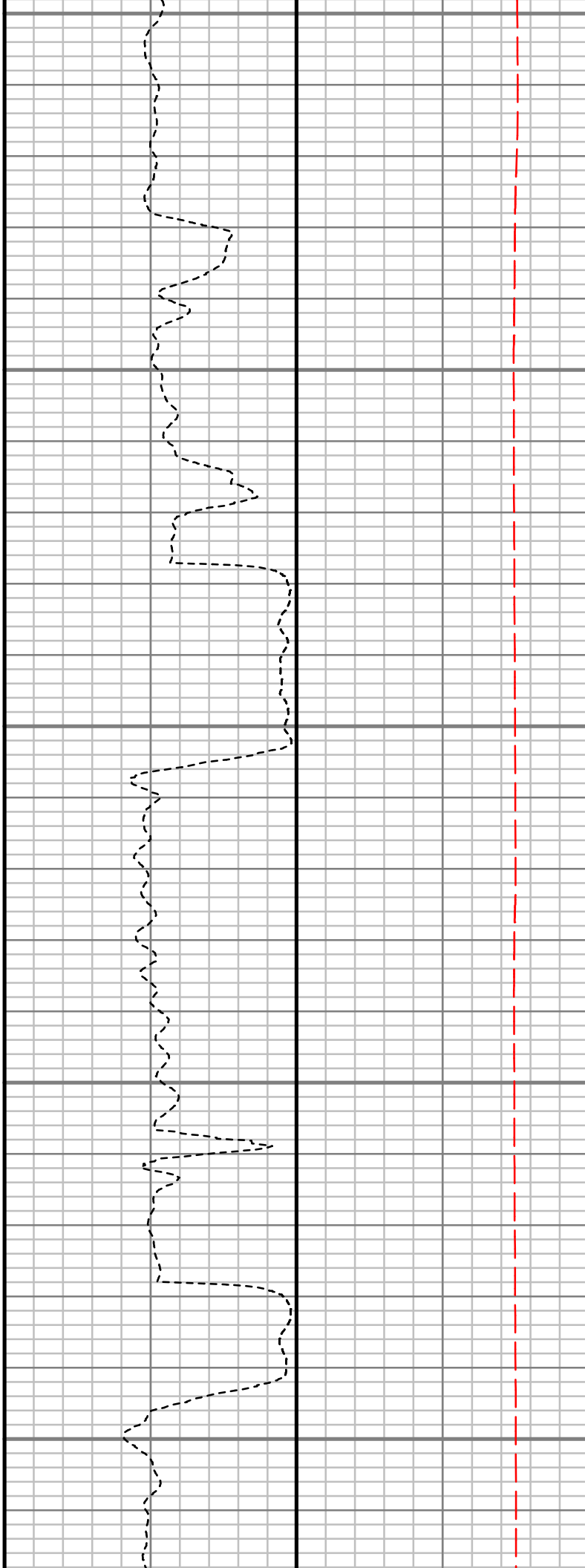
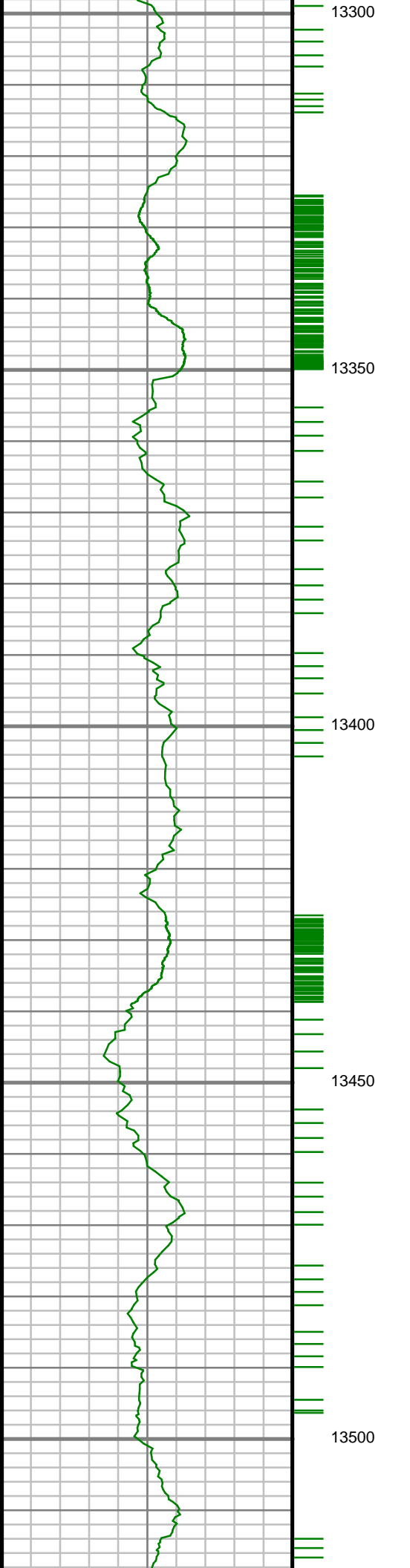
S: 131 MD: 12945.00 ft
Inc: 90.64 deg Az:
90.19 deg TVD:
6269.79 ft

S: 132 MD: 13036.00 ft
Inc: 90.74 deg Az:
91.04 deg TVD:
6268.70 ft



S: 133 MD: 13127.00 ft
Inc: 88.62 deg Az:
88.64 deg TVD:
6269.21 ft

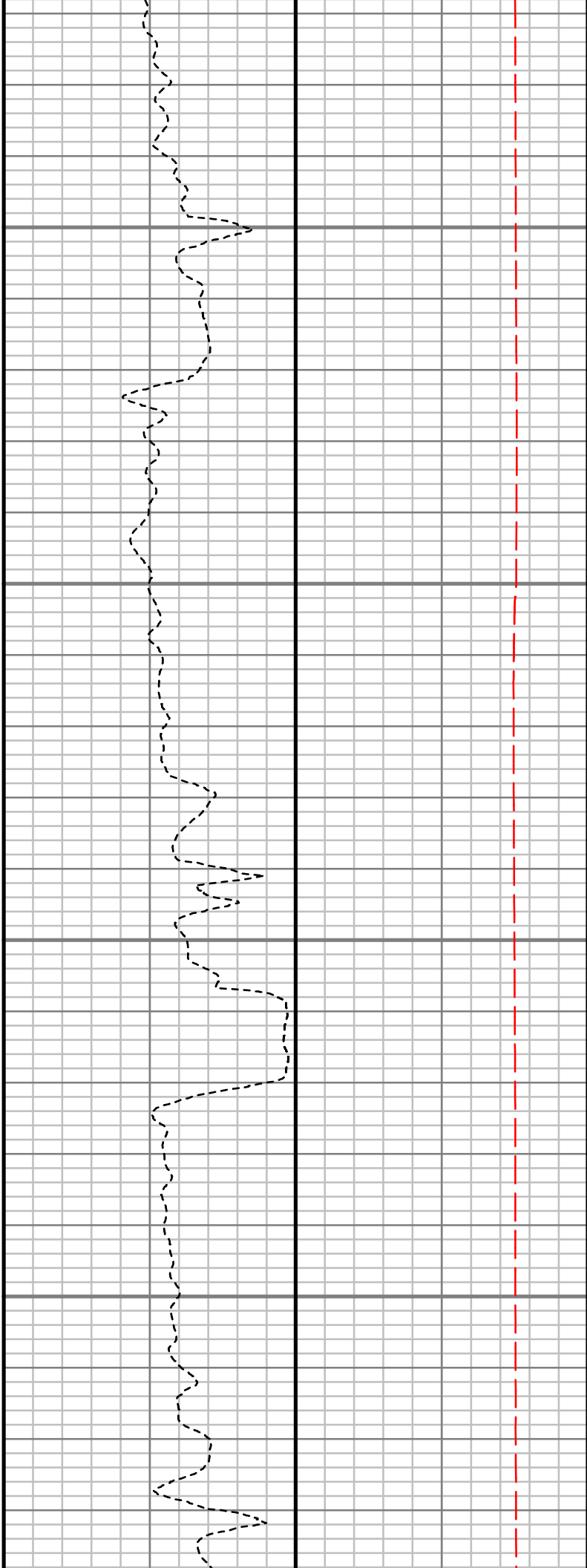
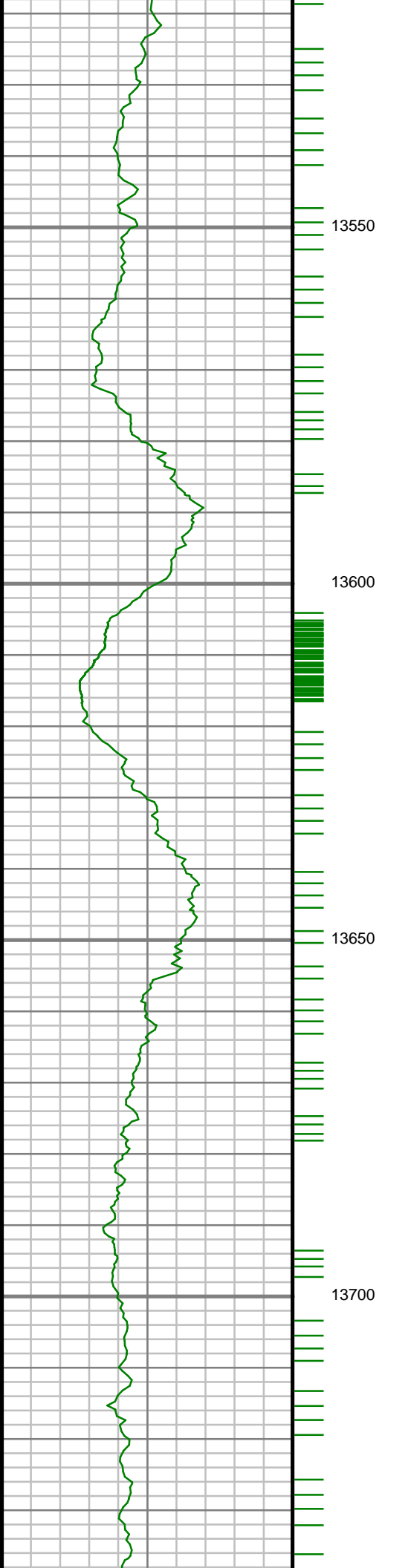
S: 134 MD: 13219.00 ft
Inc: 87.72 deg Az:
88.92 deg TVD:
6272.14 ft



S: 135 MD: 13310.00 ft
Inc: 87.32 deg Az:
87.26 deg TVD:
6276.08 ft

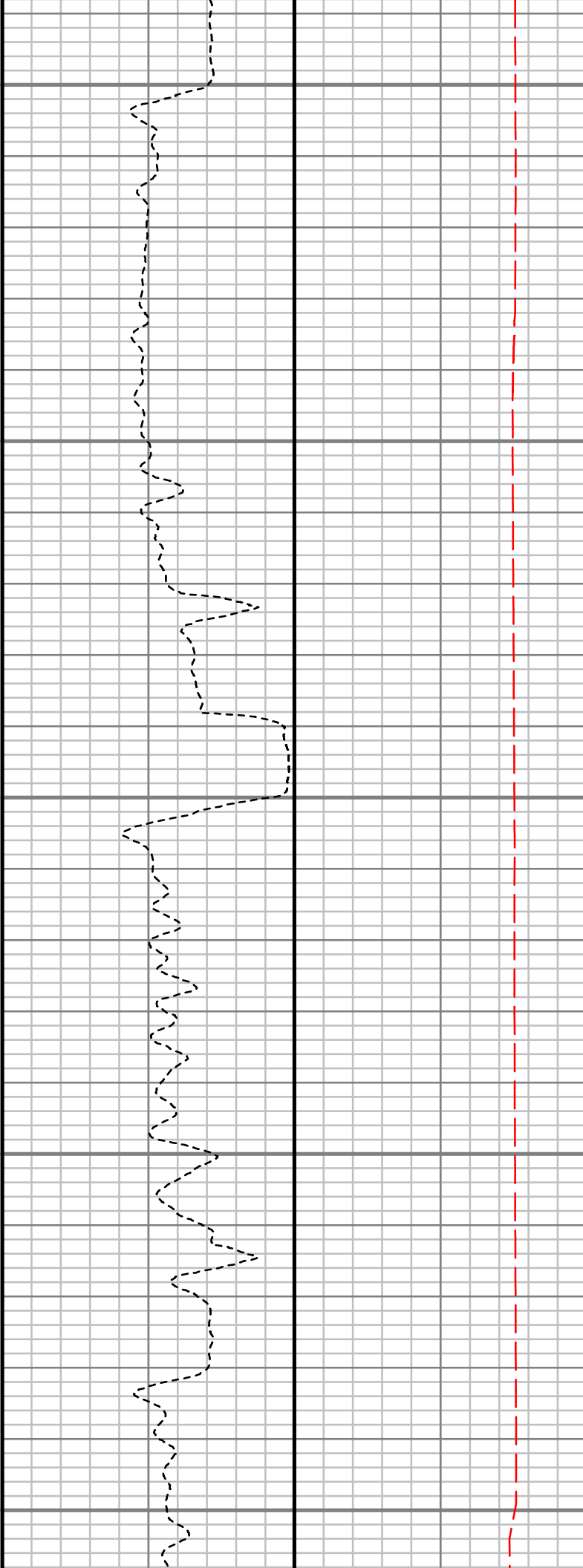
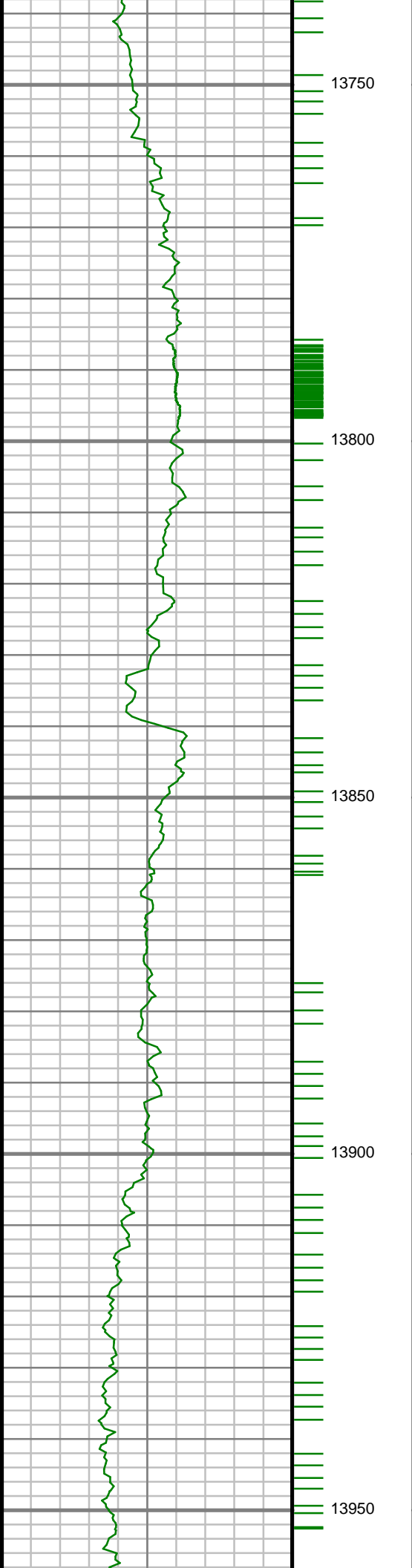
S: 136 MD: 13401.00 ft
Inc: 89.60 deg Az:
87.94 deg TVD:
6278.53 ft

S: 137 MD: 13492.00 ft
Inc: 90.34 deg Az:
89.47 deg TVD:
6278.59 ft



S: 138 MD: 13583.00 ft
Inc: 90.10 deg Az:
89.32 deg TVD:
6278.24 ft

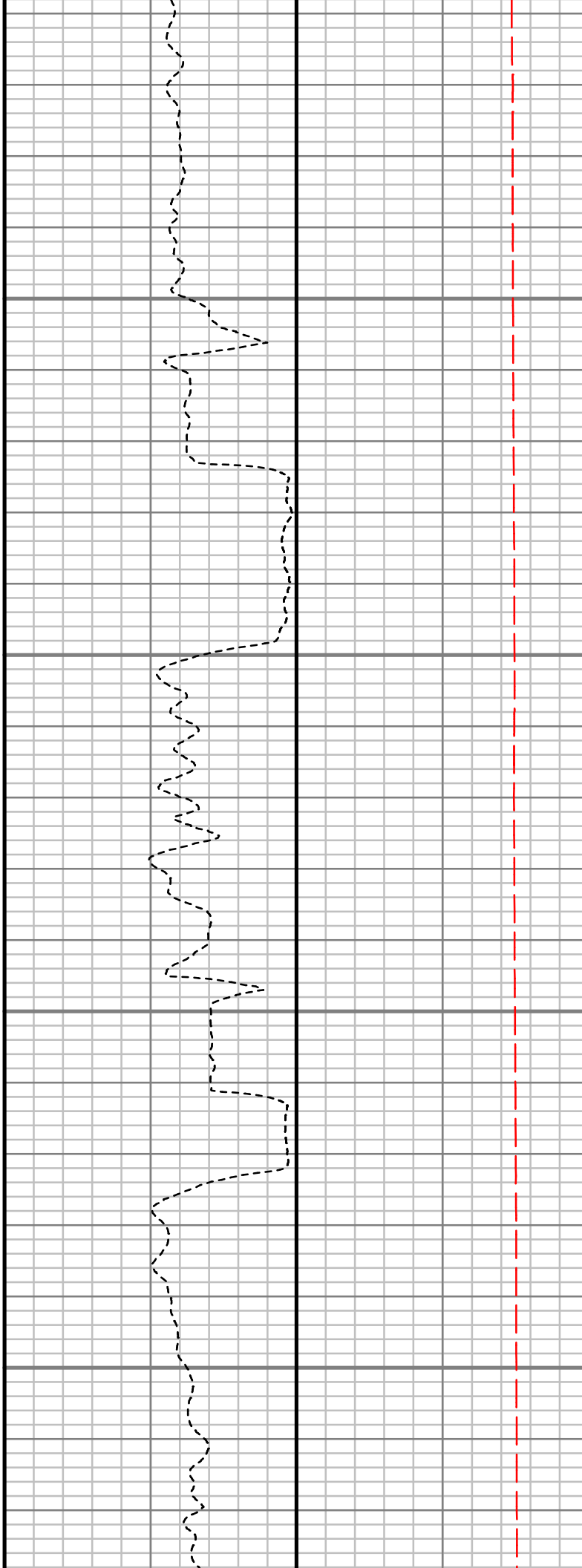
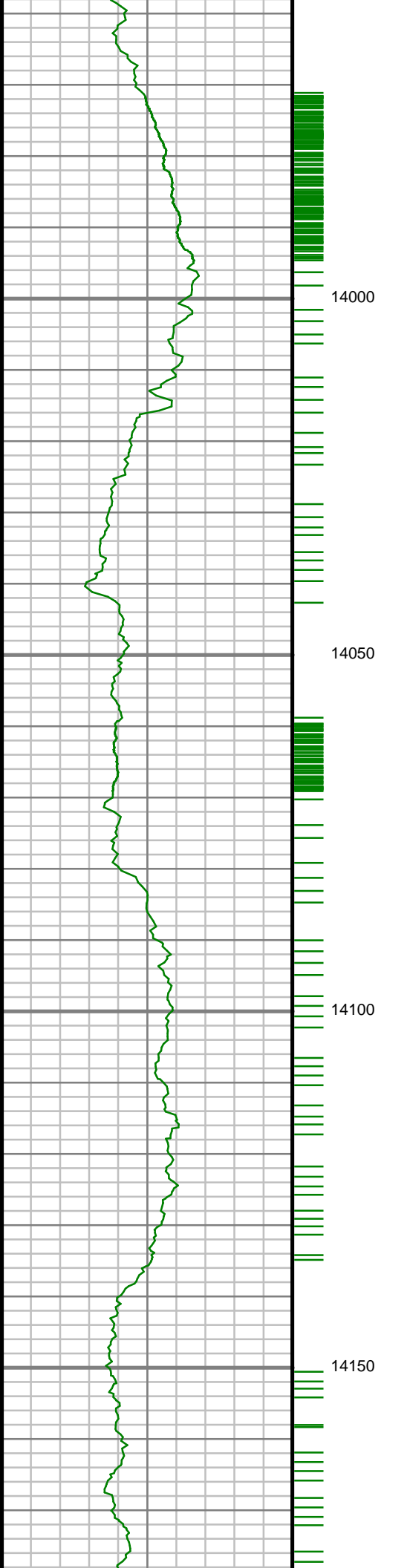
S: 139 MD: 13675.00 ft
Inc: 91.34 deg Az:
88.66 deg TVD:
6277.08 ft



S: 140 MD: 13766.00 ft
Inc: 92.25 deg Az:
87.34 deg TVD:
6274.24 ft

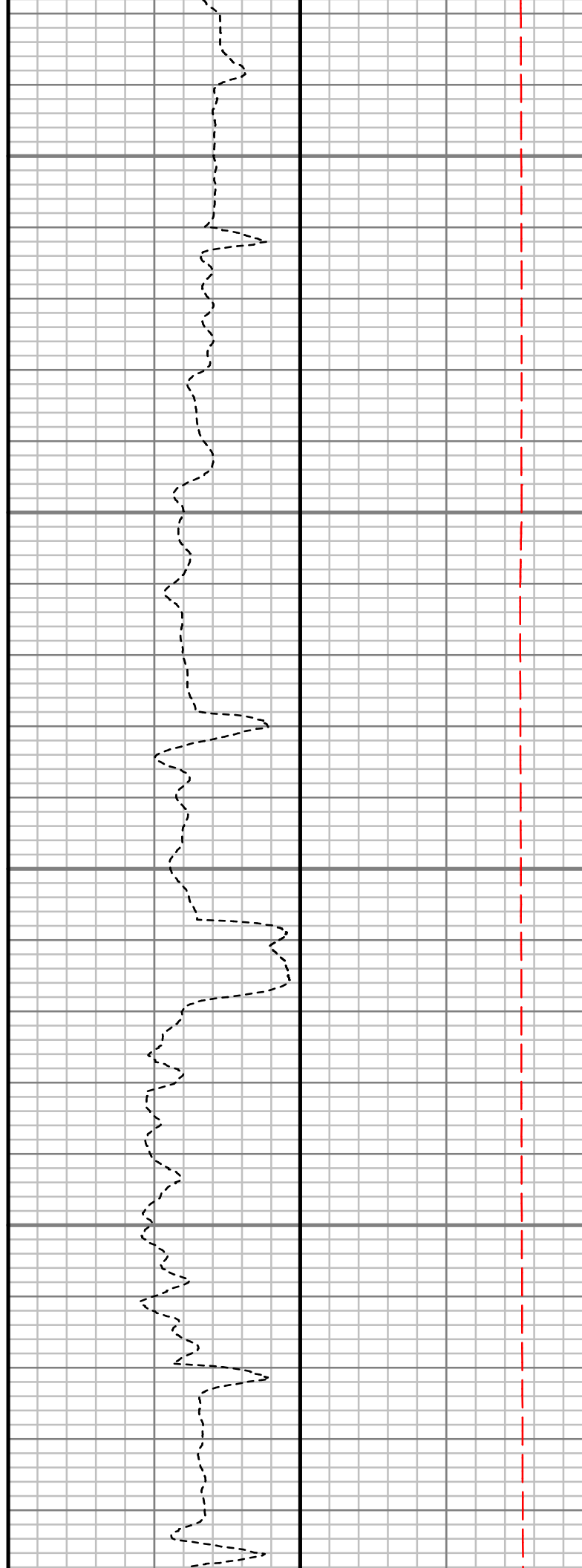
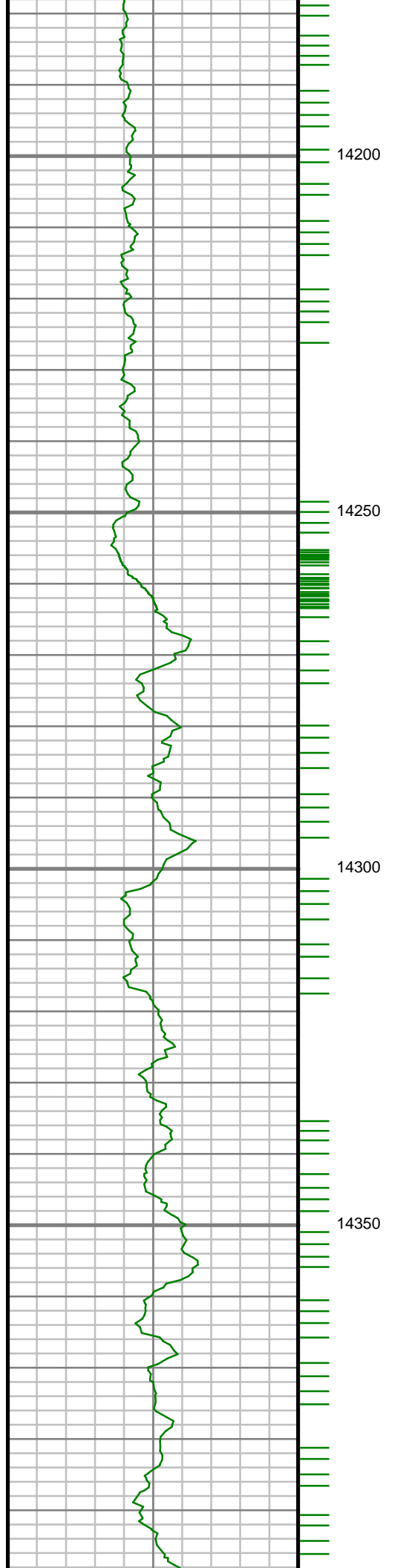
S: 141 MD: 13857.00 ft
Inc: 91.24 deg Az:
86.12 deg TVD:
6271.47 ft

S: 142 MD: 13948.00 ft
Inc: 91.54 deg Az:
85.56 deg TVD:
6269.26 ft



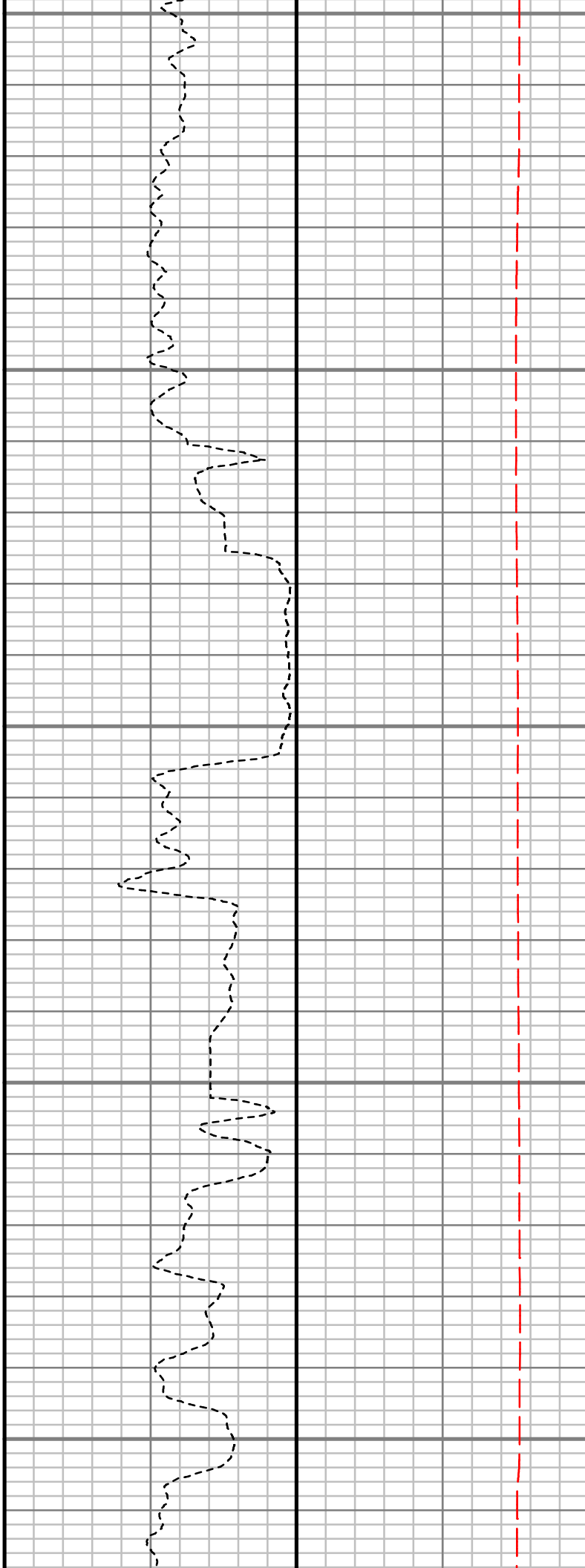
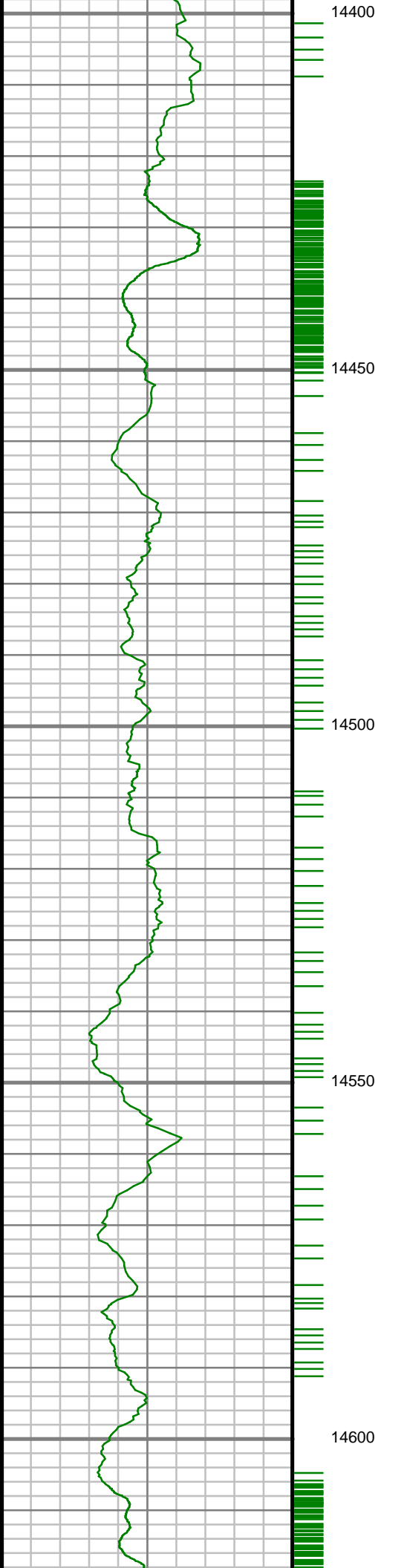
S: 143 MD: 14039.00 ft
Inc: 91.71 deg Az:
88.66 deg TVD:
6266.67 ft

S: 144 MD: 14130.00 ft
Inc: 89.63 deg Az:
88.50 deg TVD:
6265.60 ft



S: 145 MD: 14220.00 ft
Inc: 89.63 deg Az:
88.33 deg TVD:
6266.18 ft

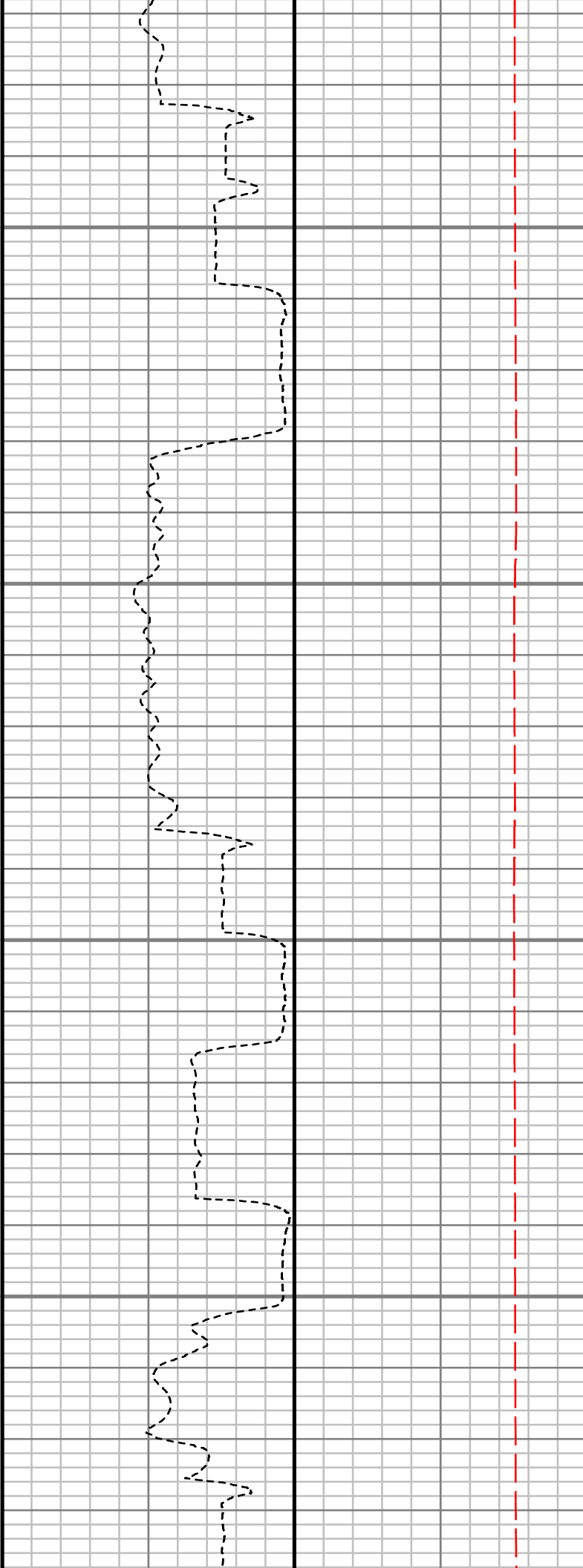
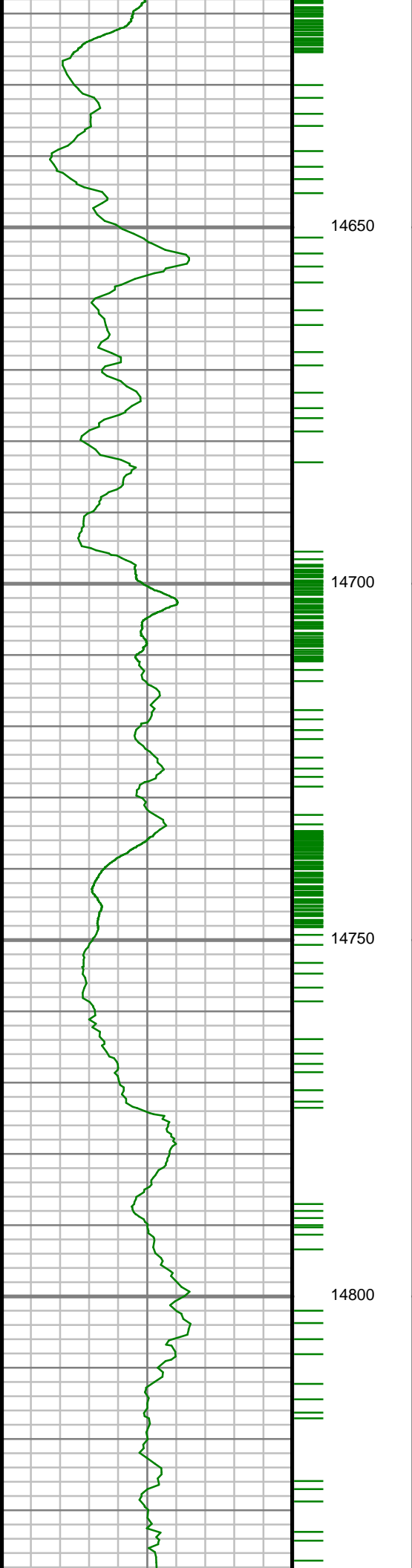
S: 146 MD: 14311.00 ft
Inc: 90.37 deg Az:
87.08 deg TVD:
6266.18 ft



S: 147 MD: 14402.00 ft
Inc: 89.36 deg Az:
86.07 deg TVD:
6266.40 ft

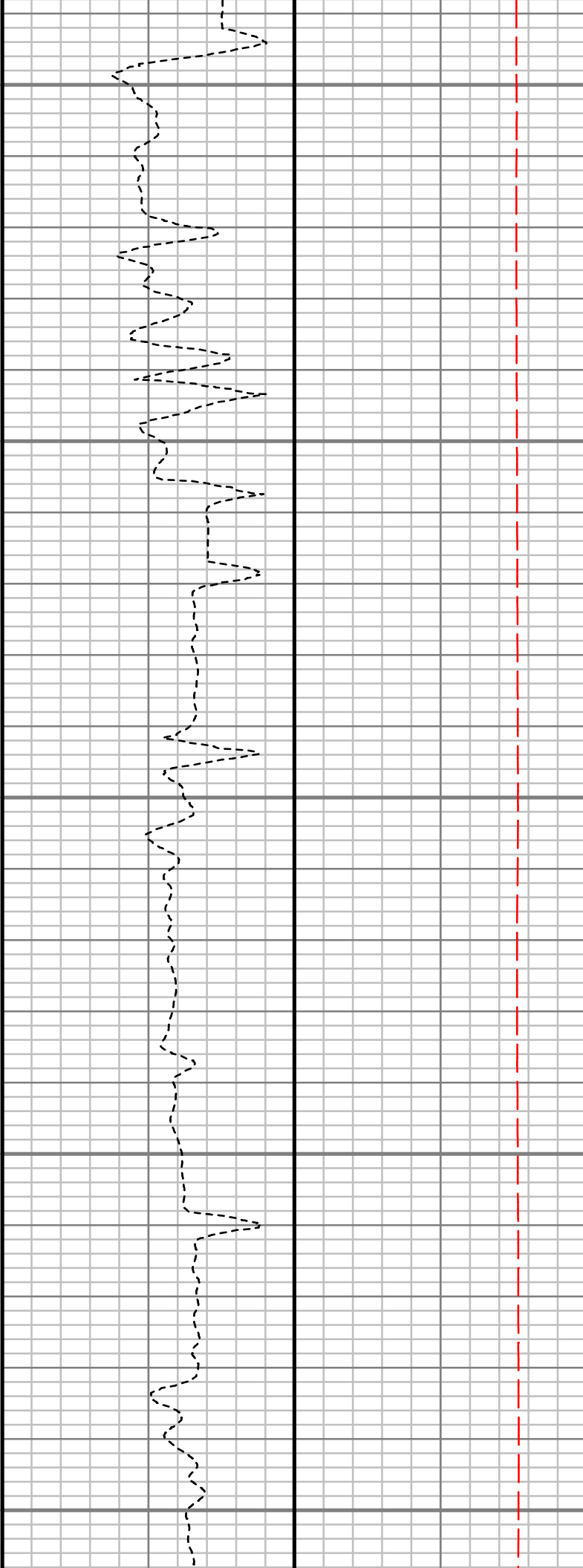
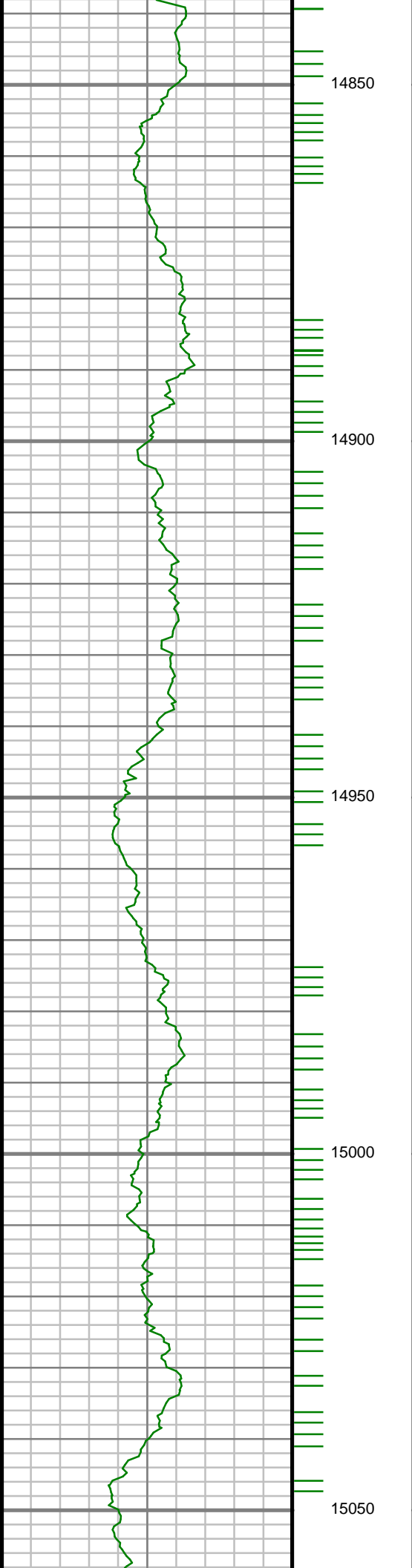
S: 148 MD: 14493.00 ft
Inc: 89.87 deg Az:
88.79 deg TVD:
6267.01 ft

S: 149 MD: 14584.00 ft
Inc: 89.20 deg Az:
88.74 deg TVD:
6267.75 ft



S: 150 MD: 14676.00 ft
Inc: 90.27 deg Az:
88.20 deg TVD:
6268.19 ft

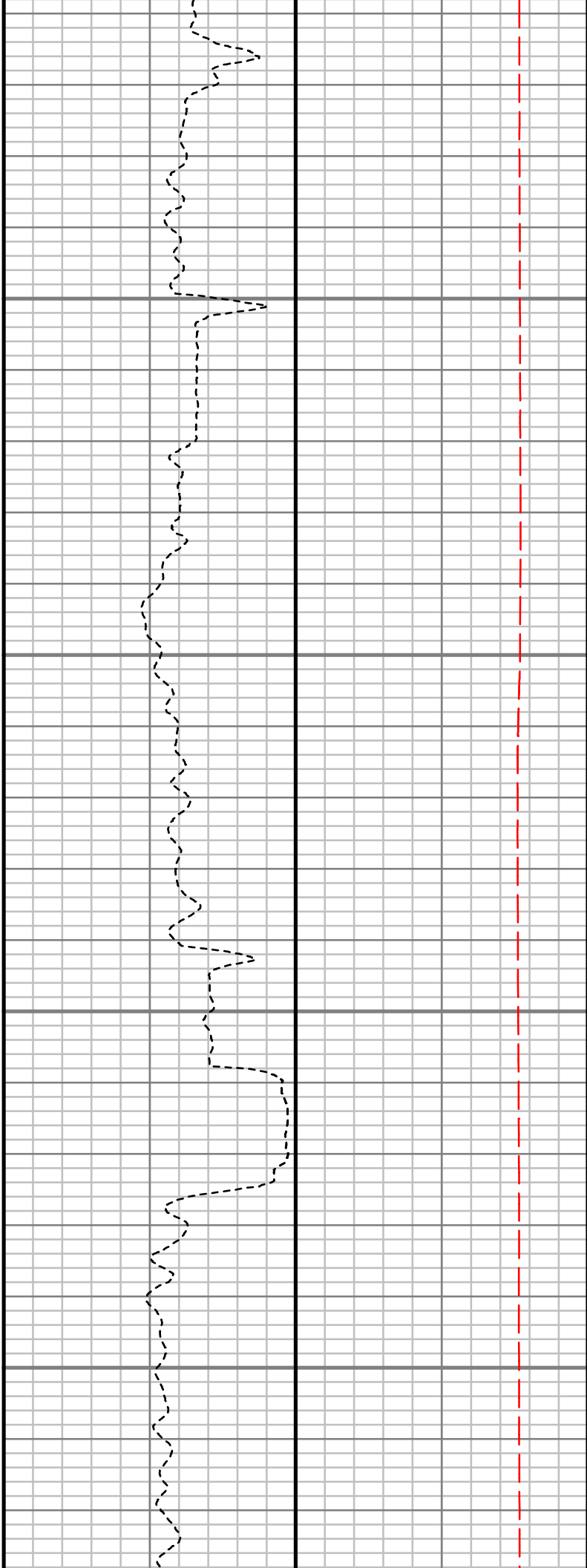
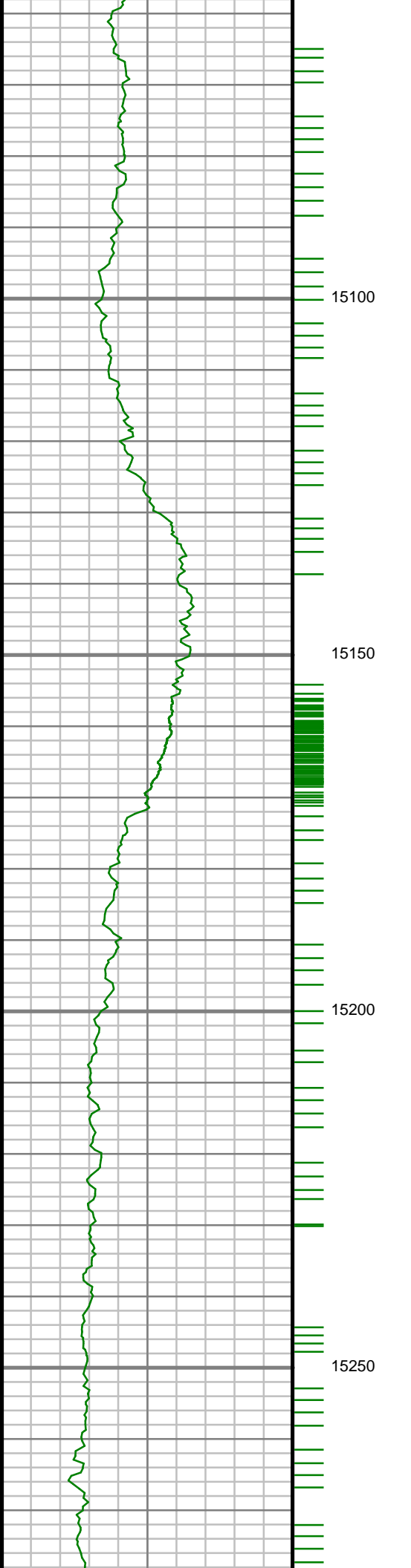
S: 151 MD: 14767.00 ft
Inc: 90.47 deg Az:
89.09 deg TVD:
6267.60 ft



S: 152 MD: 14857.00 ft
Inc: 91.61 deg Az:
90.68 deg TVD:
6265.96 ft

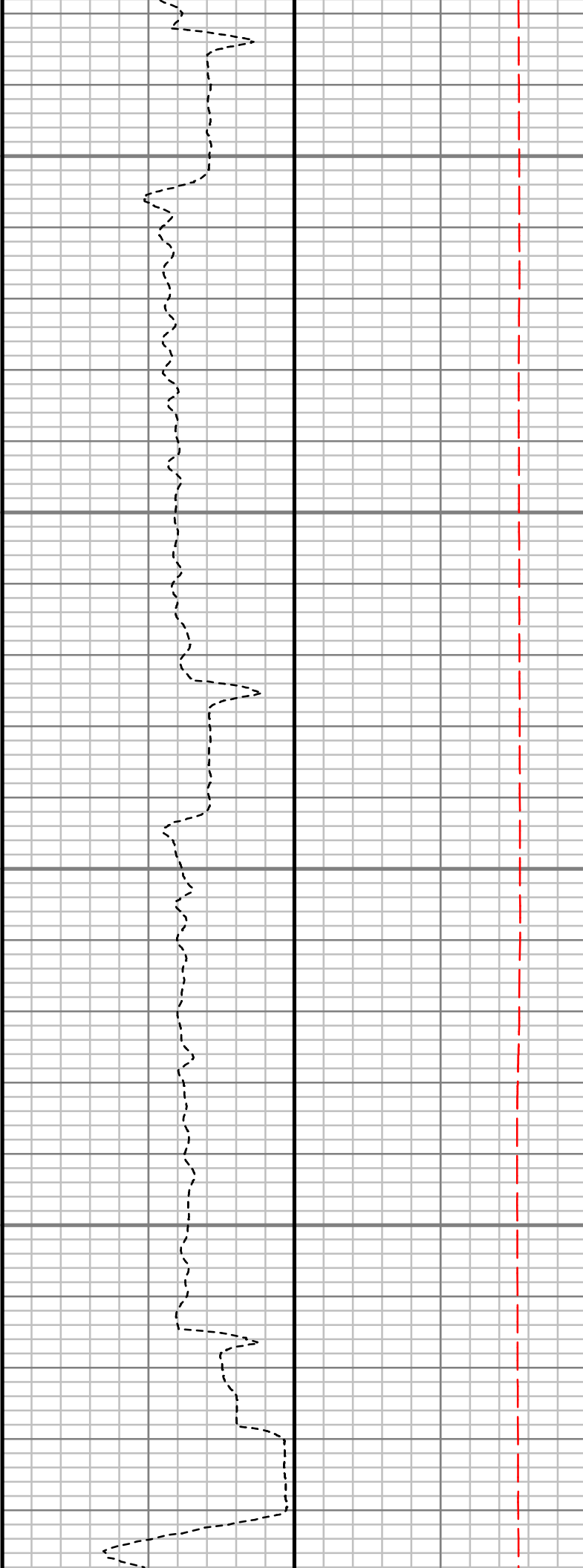
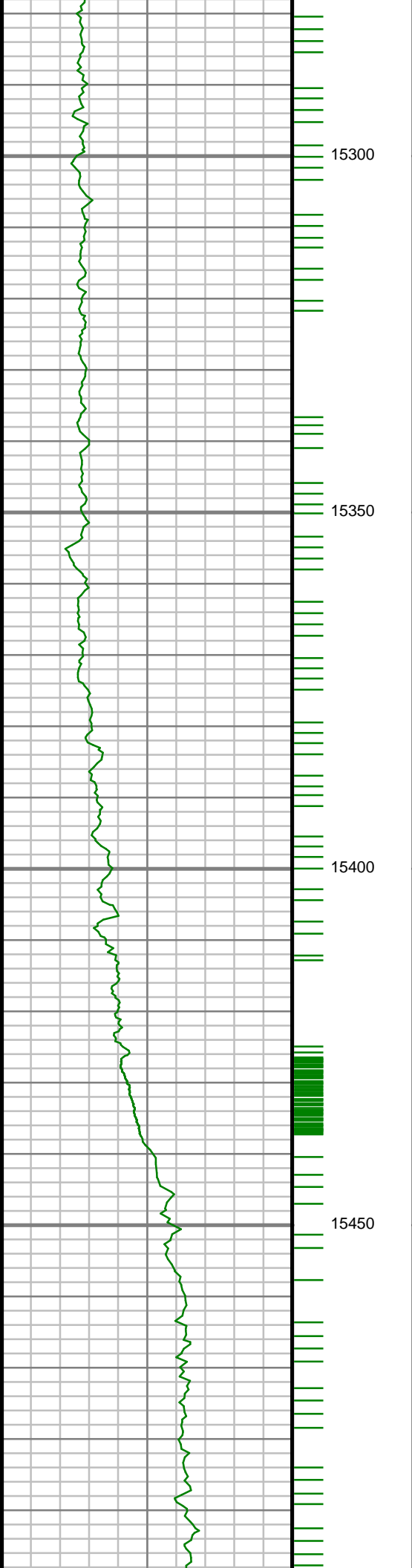
S: 153 MD: 14949.00 ft
Inc: 91.34 deg Az:
90.76 deg TVD:
6263.60 ft

S: 154 MD: 15040.00 ft
Inc: 91.07 deg Az:
90.10 deg TVD:
6261.68 ft



S: 155 MD: 15132.00 ft
Inc: 90.91 deg Az:
88.04 deg TVD:
6260.09 ft

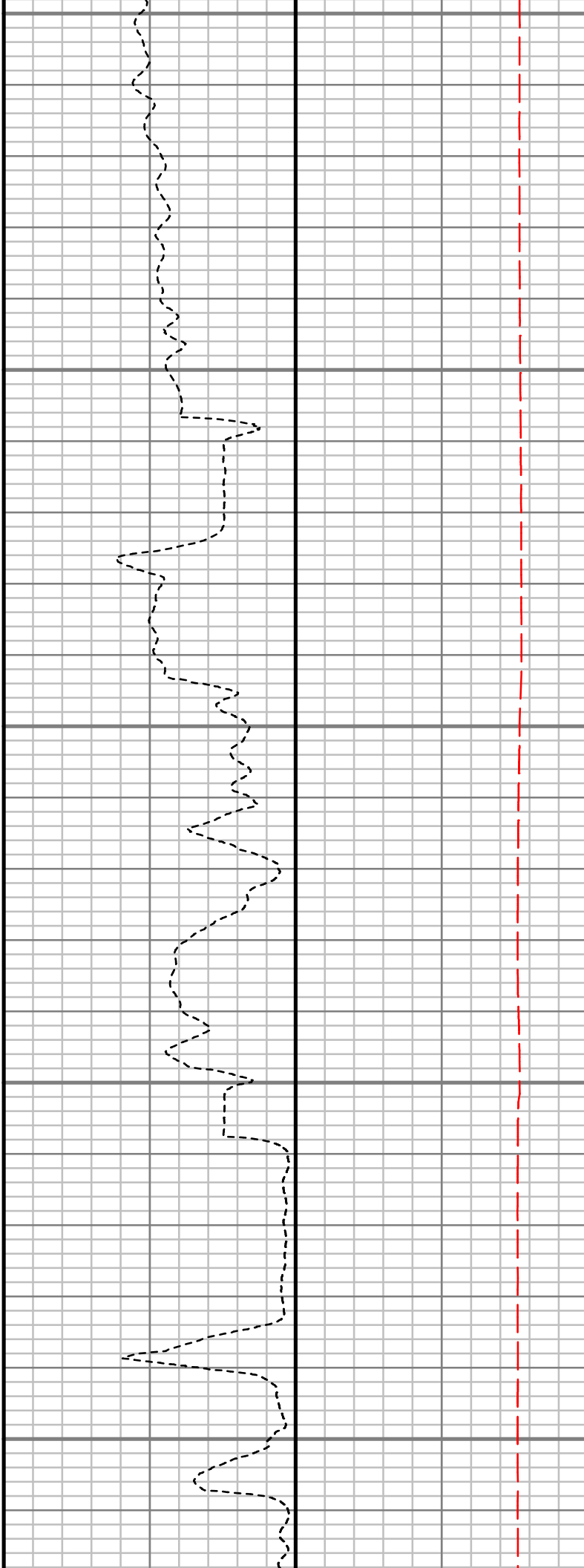
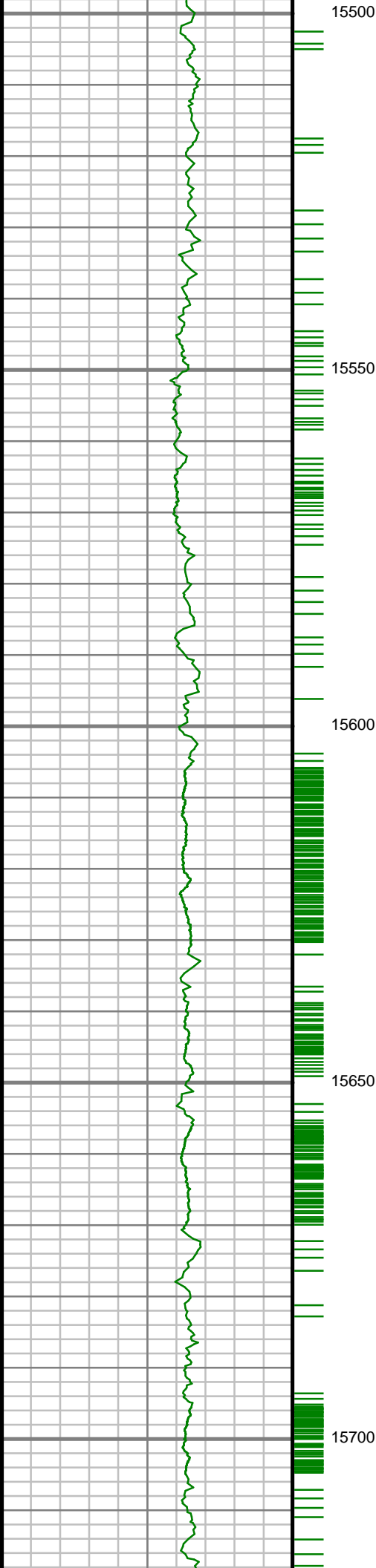
S: 156 MD: 15222.00 ft
Inc: 92.08 deg Az:
90.80 deg TVD:
6257.75 ft



S: 157 MD: 15313.00 ft
Inc: 91.61 deg Az:
90.26 deg TVD:
6254.82 ft

S: 158 MD: 15404.00 ft
Inc: 92.08 deg Az:
90.05 deg TVD:
6251.89 ft

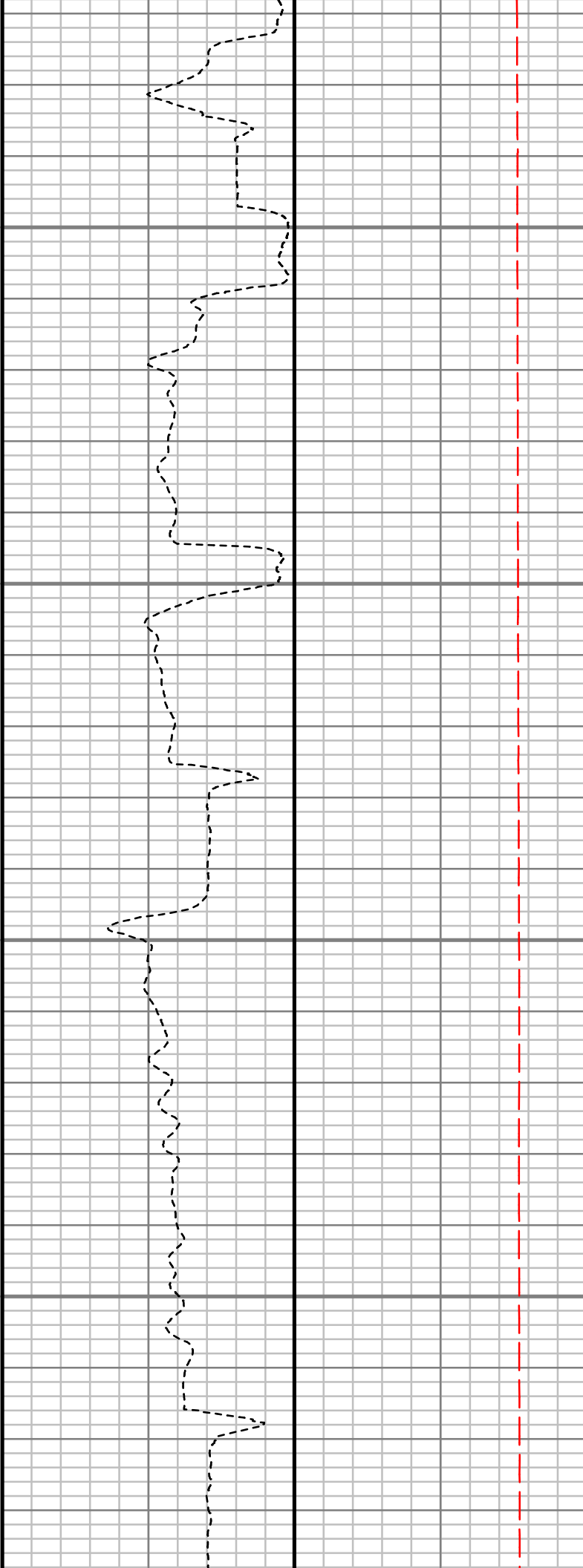
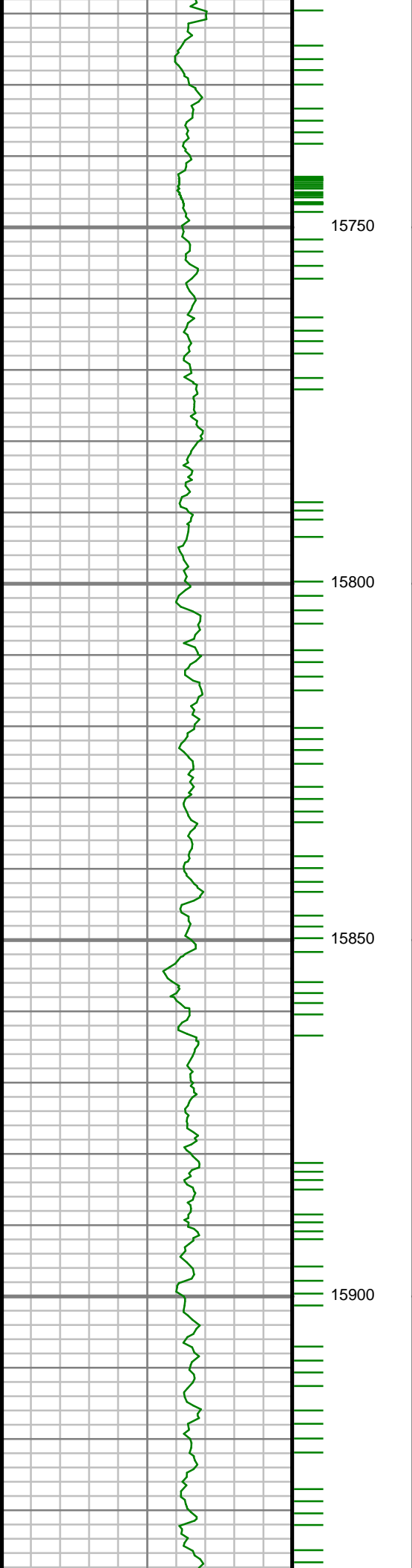
S: 159 MD: 15496.00 ft



Inc: 90.34 deg Az:
91.76 deg TVD:
6249.95 ft

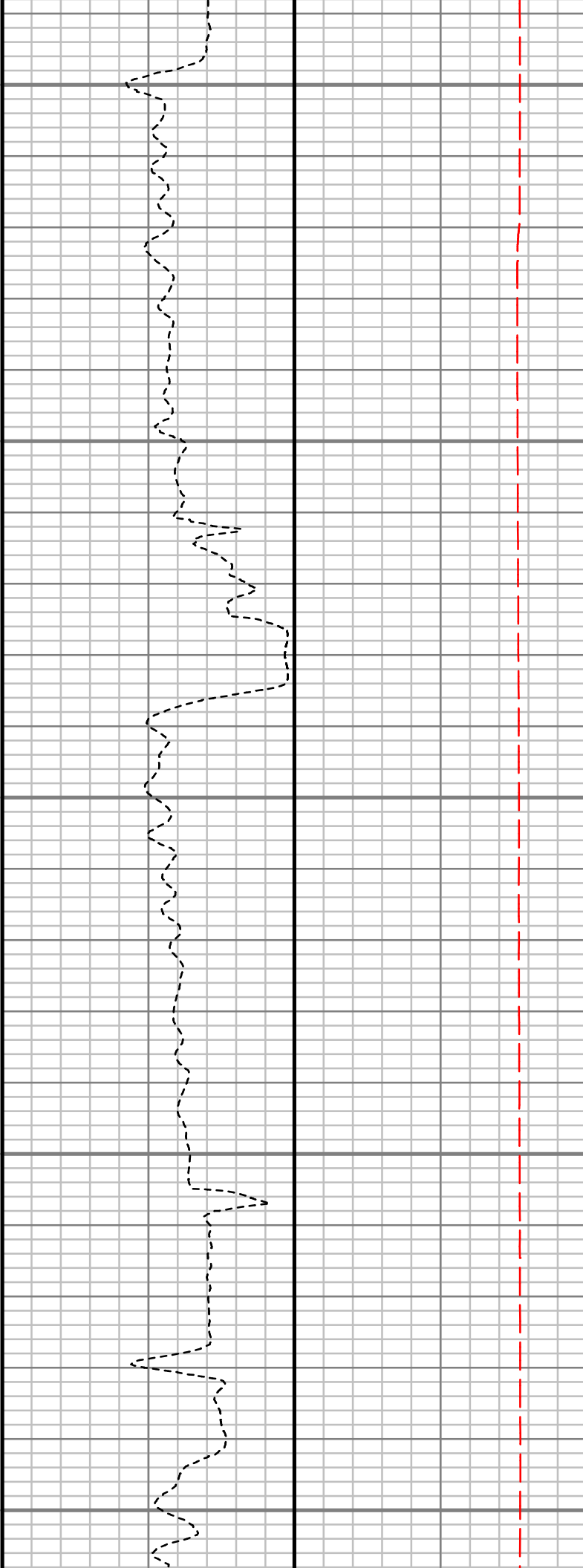
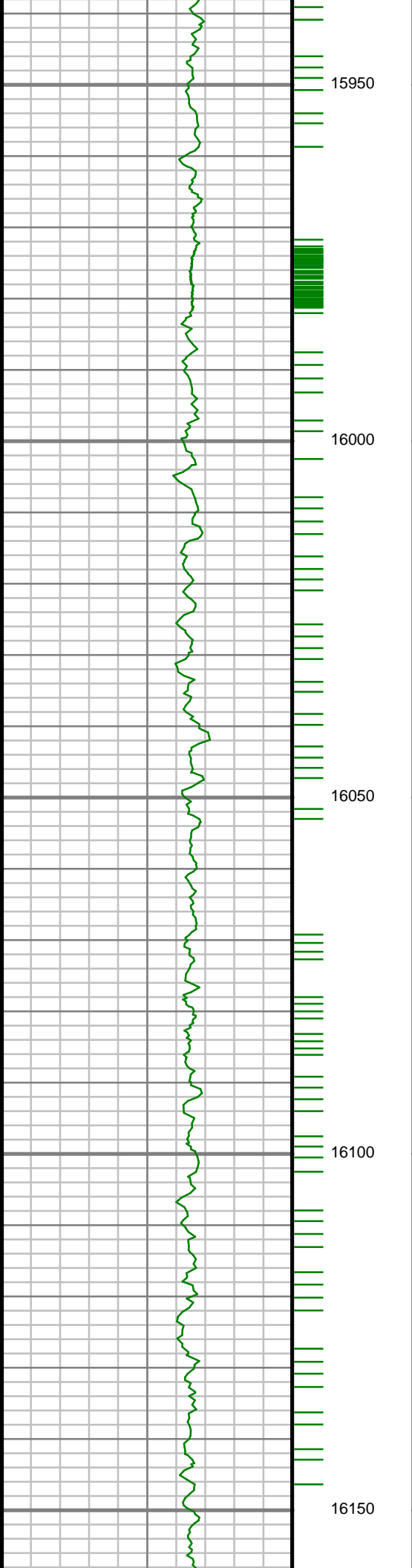
S: 160 MD: 15587.00 ft
Inc: 90.80 deg Az:
95.58 deg TVD:
6249.05 ft

S: 161 MD: 15679.00 ft
Inc: 90.40 deg Az:
92.69 deg TVD:
6248.08 ft



S: 162 MD: 15770.00 ft
Inc: 90.91 deg Az:
90.21 deg TVD:
6247.04 ft

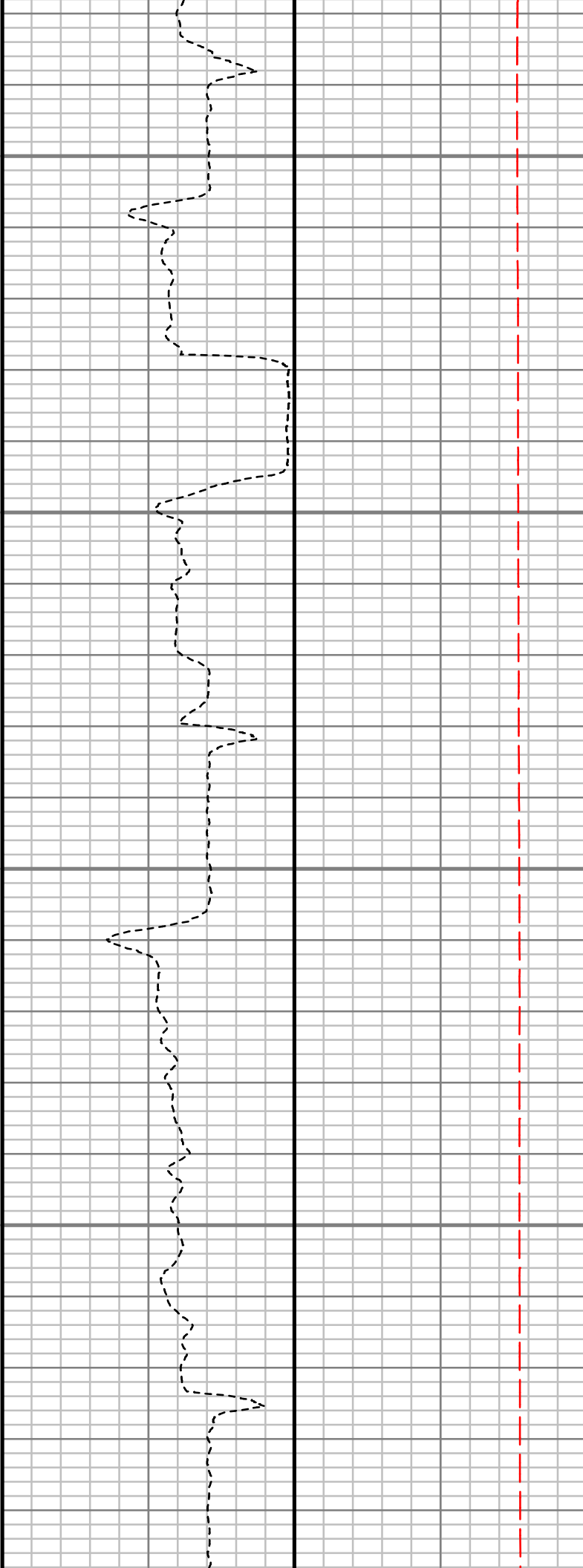
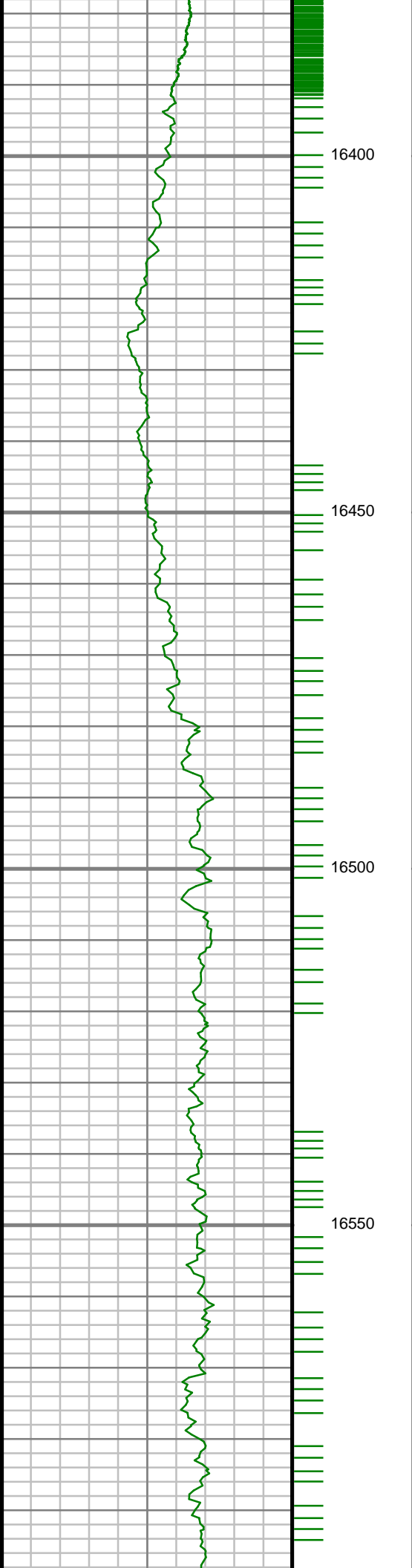
S: 163 MD: 15861.00 ft
Inc: 90.23 deg Az:
89.04 deg TVD:
6246.13 ft



S: 164 MD: 15955.00 ft
Inc: 90.47 deg Az:
89.45 deg TVD:
6245.56 ft

S: 165 MD: 16048.00 ft
Inc: 89.93 deg Az:
89.23 deg TVD:
6245.23 ft

S: 166 MD: 16142.00 ft
Inc: 90.30 deg Az:
91.95 deg TVD:
6245.04 ft



S: 169 MD: 16424.00 ft
Inc: 89.80 deg Az:
87.36 deg TVD:
6249.35 ft

S: 170 MD: 16518.00 ft
Inc: 91.38 deg Az:
85.74 deg TVD:
6248.39 ft

SURVEY REPORT

ANSCHUTZ STATE 5-62-26-6457CN

ANSCHUTZ STATE 5-62-26-6457CN

CUSTOMER HIGHPOINT RESOURCES CORPORATION
PROJECT Anschutz State 5-62-26-6457CN
FIELD WATTENBERG

WELL INFORMATION

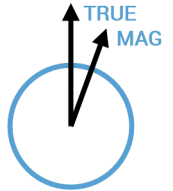
Lat/Long 40° 22' 2.078" N, 104° 18' 5.63" W
Northing 1,378,884.04 ft
Easting 3,333,927.95 ft
UWI 05-123-46082

MAP INFORMATION

North Reference True North
Grid Correction
System US State Plane 1983
Datum North American Datum 1983 (GRS 1980)
Map Zone Colorado North: 0501

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 88.78°
Calculation Method Minimum Curvature



GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: 999.094 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
748-16606 ft	HDGM2018	29 Apr 2018	8.17°	add 8.17°

WELL NOTES

OPERATORS

J.MEYERS, M.POTTER

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
747.50	1.02	76.26	747.42	6.19	7.44	6.03	Invalid
881.00	1.44	84.84	880.89	9.02	7.87	8.86	0.34
1064.00	3.02	120.22	1063.75	15.44	5.65	15.32	1.11
1155.00	4.64	139.43	1154.55	19.82	1.65	19.79	2.24
1246.00	5.39	153.51	1245.20	23.97	-4.97	24.09	1.58
1338.00	7.85	153.81	1336.58	28.47	-14.48	28.79	2.68
1429.00	9.69	152.29	1426.52	34.51	-26.83	35.09	2.03
1521.00	9.29	150.78	1517.26	41.45	-40.17	42.32	0.50
1612.00	10.32	152.74	1606.93	48.48	-53.83	49.64	1.19
1704.00	9.80	165.32	1697.52	53.93	-68.74	55.40	2.45
1795.00	10.97	176.97	1787.04	56.00	-84.89	57.82	2.64
1886.00	12.68	173.30	1876.10	57.23	-103.46	59.44	2.05
1977.00	15.41	173.32	1964.37	59.34	-125.39	62.02	2.99
2069.00	16.88	170.44	2052.74	62.44	-150.71	65.66	1.82
2160.00	19.32	165.75	2139.24	67.75	-178.33	71.56	3.12
2251.00	20.60	163.12	2224.78	75.47	-208.24	79.91	1.72
2342.00	25.17	164.79	2308.59	84.48	-242.24	89.64	5.07
2436.00	25.78	165.21	2393.45	94.11	-281.30	100.10	0.69
2530.00	26.04	164.18	2478.00	104.11	-320.92	110.95	0.55
2625.00	26.22	164.54	2563.29	114.53	-361.21	122.23	0.26

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
2718.00	25.23	163.26	2647.07	124.89	-399.99	133.41	1.23
2812.00	24.61	163.69	2732.32	135.35	-437.96	144.68	0.69
2906.00	26.18	164.00	2817.23	145.73	-476.69	155.89	1.68
3000.00	24.02	161.81	2902.35	156.61	-514.80	167.58	2.51
3094.00	22.31	161.54	2988.77	167.49	-549.91	179.21	1.82
3188.00	20.78	157.48	3076.20	178.84	-582.25	191.25	2.27
3281.00	18.70	156.09	3163.73	190.59	-611.12	203.61	2.29
3375.00	16.06	153.32	3253.43	201.99	-636.53	215.56	2.95
3468.00	16.19	152.13	3342.77	213.34	-659.48	227.40	0.38
3562.00	16.83	150.19	3432.90	225.73	-682.87	240.29	0.90
3655.00	15.43	147.11	3522.24	238.67	-704.94	253.70	1.76
3749.00	13.65	144.58	3613.22	251.47	-724.48	266.92	2.01
3843.00	11.21	142.37	3705.01	263.13	-740.76	278.93	2.65
3937.00	8.74	149.57	3797.59	272.04	-754.15	288.12	2.94
4030.00	7.00	137.02	3889.72	279.26	-764.39	295.57	2.62
4124.00	4.69	132.49	3983.22	285.85	-771.17	302.30	2.50
4218.00	2.24	110.28	4077.05	290.34	-774.40	306.85	2.92
4311.00	0.80	162.33	4170.02	292.21	-775.65	308.75	2.00
4405.00	1.55	235.45	4264.00	291.34	-776.99	307.91	1.62
4499.00	2.57	274.28	4357.94	288.18	-777.55	304.76	1.78

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
4593.00	1.94	274.94	4451.87	284.50	-777.26	301.07	0.68
4686.00	1.98	321.23	4544.82	281.96	-775.87	298.50	1.66
4780.00	1.62	313.64	4638.77	280.02	-773.68	296.52	0.46
4874.00	1.48	316.52	4732.74	278.26	-771.88	294.72	0.18
4969.00	1.40	321.72	4827.71	276.74	-770.08	293.16	0.16
5063.00	1.11	306.98	4921.69	275.33	-768.64	291.72	0.46
5157.00	0.95	301.94	5015.67	273.96	-767.68	290.33	0.20
5250.00	0.85	300.15	5108.66	272.73	-766.92	289.08	0.11
5344.00	0.72	296.61	5202.65	271.61	-766.31	287.95	0.15
5438.00	0.78	311.33	5296.64	270.62	-765.62	286.95	0.22
5533.00	0.69	316.84	5391.64	269.76	-764.77	286.07	0.12
5627.00	1.38	313.34	5485.62	268.58	-763.59	284.86	0.73
5721.00	1.36	319.93	5579.59	267.07	-761.96	283.32	0.17
5816.00	1.15	323.33	5674.57	265.81	-760.33	282.03	0.23
5908.00	5.94	93.04	5766.42	270.03	-759.84	286.23	7.32
6002.00	12.77	96.52	5859.12	285.19	-761.28	301.43	7.29
6096.00	22.34	101.29	5948.64	313.00	-765.97	329.34	10.29
6190.00	32.05	103.48	6032.15	354.67	-775.31	371.22	10.38
6284.00	42.42	102.79	6106.88	409.70	-788.18	426.54	11.05
6378.00	51.54	98.16	6170.96	476.94	-800.45	494.05	10.35

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
6472.00	61.72	94.32	6222.61	554.68	-808.81	571.98	11.34
6565.00	72.35	93.62	6258.85	639.83	-814.70	657.28	11.45
6659.00	74.97	91.03	6285.30	729.85	-818.34	747.40	3.84
6753.00	78.13	84.42	6307.18	821.19	-814.68	838.68	7.62
6767.00	79.72	85.92	6309.87	834.90	-813.52	852.37	15.44
6822.00	87.52	90.06	6315.98	889.50	-811.63	906.94	16.03
6916.00	89.63	87.72	6318.32	983.46	-809.80	1000.88	3.36
7010.00	91.11	86.27	6317.71	1077.40	-804.88	1094.75	2.20
7104.00	91.58	86.08	6315.51	1171.28	-798.61	1188.51	0.54
7198.00	92.95	85.73	6311.80	1265.09	-791.91	1282.19	1.52
7292.00	90.94	84.39	6308.60	1358.83	-783.82	1375.78	2.57
7385.00	91.34	85.97	6306.75	1451.62	-776.01	1468.43	1.75
7479.00	91.28	85.59	6304.60	1545.47	-769.10	1562.16	0.42
7573.00	91.85	88.76	6302.04	1639.38	-764.46	1655.99	3.43
7666.00	91.27	88.64	6299.51	1732.35	-762.36	1748.93	0.63
7760.00	91.08	87.32	6297.58	1826.32	-759.04	1842.85	1.43
7854.00	91.11	86.36	6295.79	1920.25	-753.85	1936.69	1.02
7947.00	90.97	88.95	6294.10	2013.20	-750.05	2029.59	2.79
8041.00	91.21	87.65	6292.31	2107.18	-747.26	2123.53	1.41
8135.00	91.44	87.94	6290.13	2201.14	-743.64	2217.44	0.39

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
8229.00	91.71	86.83	6287.54	2295.08	-739.35	2311.30	1.21
8323.00	91.31	86.53	6285.07	2388.98	-733.91	2405.11	0.53
8416.00	90.94	85.39	6283.24	2481.85	-727.36	2497.86	1.30
8509.00	90.07	83.84	6282.42	2574.59	-718.63	2590.44	1.91
8603.00	89.56	85.14	6282.73	2668.33	-709.61	2684.00	1.48
8697.00	90.03	88.10	6283.06	2762.25	-704.06	2777.83	3.19
8791.00	91.61	88.82	6281.71	2856.23	-701.53	2871.78	1.84
8885.00	91.61	87.40	6279.07	2950.19	-698.43	2965.69	1.50
8979.00	92.72	88.23	6275.52	3044.11	-694.85	3059.55	1.47
9073.00	92.21	88.76	6271.47	3138.02	-692.38	3153.43	0.78
9167.00	89.43	89.69	6270.12	3231.99	-691.11	3247.41	3.12
9260.00	89.33	88.37	6271.13	3324.99	-689.54	3340.38	1.42
9354.00	89.30	87.34	6272.26	3418.97	-686.02	3434.31	1.10
9447.00	89.63	86.43	6273.13	3511.91	-680.97	3527.17	1.04
9540.00	89.40	89.29	6273.92	3604.88	-677.50	3620.09	3.08
9635.00	89.76	88.91	6274.61	3699.88	-676.01	3715.08	0.56
9728.00	89.56	89.47	6275.16	3792.88	-674.70	3808.06	0.64
9822.00	89.33	89.17	6276.07	3886.87	-673.59	3902.05	0.41
9916.00	88.89	88.69	6277.53	3980.85	-671.83	3996.03	0.69
10010.00	90.70	89.18	6277.86	4074.85	-670.08	4090.00	2.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
10104.00	91.31	89.12	6276.21	4168.83	-668.69	4183.98	0.65
10199.00	91.04	89.36	6274.26	4263.81	-667.43	4278.95	0.38
10293.00	90.67	88.46	6272.86	4357.80	-665.64	4372.92	1.03
10387.00	89.87	89.18	6272.42	4451.80	-663.70	4466.90	1.15
10480.00	89.93	88.31	6272.58	4544.79	-661.67	4559.88	0.94
10571.00	90.47	88.47	6272.26	4635.79	-659.11	4650.84	0.62
10663.00	89.40	88.04	6272.37	4727.79	-656.31	4742.80	1.26
10754.00	89.93	87.03	6272.90	4818.76	-652.39	4833.71	1.25
10846.00	90.60	86.20	6272.47	4910.69	-646.96	4925.55	1.16
10937.00	90.94	85.76	6271.24	5001.58	-640.59	5016.31	0.61
11028.00	88.89	85.38	6271.38	5092.43	-633.57	5107.04	2.29
11119.00	89.70	88.74	6272.50	5183.37	-628.90	5197.90	3.79
11210.00	89.30	91.33	6273.30	5274.33	-628.95	5288.88	2.88
11301.00	89.83	90.35	6273.99	5365.27	-630.28	5379.87	1.23
11393.00	90.60	88.82	6273.64	5457.26	-629.61	5471.86	1.86
11484.00	91.21	90.06	6272.20	5548.24	-628.72	5562.85	1.52
11575.00	91.34	89.31	6270.17	5639.20	-628.22	5653.82	0.85
11666.00	89.90	91.15	6269.19	5730.16	-628.59	5744.81	2.58
11758.00	89.73	92.17	6269.48	5822.04	-631.26	5836.77	1.12
11850.00	89.93	90.66	6269.75	5913.94	-633.53	5928.74	1.66

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11941.00	90.30	89.34	6269.56	6004.92	-633.52	6019.74	1.50
12032.00	90.20	90.26	6269.16	6095.91	-633.20	6110.73	1.02
12124.00	90.40	89.99	6268.68	6187.88	-633.40	6202.73	0.36
12215.00	91.04	87.99	6267.53	6278.87	-631.80	6293.70	2.31
12307.00	88.79	89.99	6267.67	6370.85	-630.18	6385.68	3.27
12398.00	88.76	90.11	6269.61	6461.81	-630.26	6476.66	0.14
12490.00	88.59	88.55	6271.74	6553.78	-629.20	6568.63	1.71
12581.00	89.16	88.02	6273.52	6644.76	-626.47	6659.57	0.86
12672.00	90.70	87.75	6273.63	6735.74	-623.11	6750.50	1.72
12763.00	91.34	87.40	6272.00	6826.71	-619.25	6841.40	0.80
12854.00	90.40	88.64	6270.62	6917.69	-616.11	6932.34	1.71
12945.00	90.64	90.19	6269.79	7008.68	-615.17	7023.33	1.73
13036.00	90.74	91.04	6268.70	7099.62	-616.15	7114.31	0.94
13127.00	88.62	88.64	6269.21	7190.59	-615.90	7205.30	3.51
13219.00	87.72	88.92	6272.14	7282.54	-613.95	7297.23	1.03
13310.00	87.32	87.26	6276.08	7373.45	-610.92	7388.09	1.88
13401.00	89.60	87.94	6278.53	7464.39	-607.11	7478.97	2.61
13492.00	90.34	89.47	6278.59	7555.39	-605.05	7569.94	1.87
13583.00	90.10	89.32	6278.24	7646.38	-604.08	7660.94	0.31
13675.00	91.34	88.66	6277.08	7738.37	-602.46	7752.91	1.52

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
13766.00	92.25	87.34	6274.24	7829.31	-599.29	7843.81	1.76
13857.00	91.24	86.12	6271.47	7920.21	-594.10	7934.62	1.74
13948.00	91.54	85.56	6269.26	8011.06	-587.49	8025.35	0.70
14039.00	91.71	88.66	6266.67	8101.98	-582.91	8116.19	3.41
14130.00	89.63	88.50	6265.60	8192.96	-580.65	8207.15	2.29
14220.00	89.63	88.33	6266.18	8282.96	-578.16	8297.11	0.19
14311.00	90.37	87.08	6266.18	8373.94	-574.52	8388.04	1.60
14402.00	89.36	86.07	6266.40	8464.87	-569.08	8478.87	1.56
14493.00	89.87	88.79	6267.01	8555.84	-565.01	8569.77	3.04
14584.00	89.20	88.74	6267.75	8646.83	-563.04	8660.74	0.74
14676.00	90.27	88.20	6268.19	8738.83	-560.58	8752.71	1.30
14767.00	90.47	89.09	6267.60	8829.83	-558.42	8843.68	1.00
14857.00	91.61	90.68	6265.96	8919.79	-558.24	8933.66	2.18
14949.00	91.34	90.76	6263.60	9011.71	-559.40	9025.62	0.30
15040.00	91.07	90.10	6261.68	9102.65	-560.08	9116.60	0.78
15132.00	90.91	88.04	6260.09	9194.63	-558.59	9208.57	2.25
15222.00	92.08	90.80	6257.75	9284.58	-557.68	9298.52	3.33
15313.00	91.61	90.26	6254.82	9375.49	-558.52	9389.47	0.78
15404.00	92.08	90.05	6251.89	9466.42	-558.77	9480.42	0.56
15496.00	90.34	91.76	6249.95	9558.33	-560.22	9572.39	2.65

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
15587.00	90.80	95.58	6249.05	9648.98	-566.04	9663.18	4.23
15679.00	90.40	92.69	6248.08	9740.56	-572.68	9754.92	3.17
15770.00	90.91	90.21	6247.04	9831.45	-574.98	9845.88	2.79
15861.00	90.23	89.04	6246.13	9922.43	-574.39	9936.87	1.47
15955.00	90.47	89.45	6245.56	10016.43	-573.15	10030.86	0.50
16048.00	89.93	89.23	6245.23	10109.42	-572.08	10123.85	0.62
16142.00	90.30	91.95	6245.04	10203.36	-573.05	10217.84	2.91
16236.00	88.36	90.83	6246.14	10297.25	-575.33	10311.80	2.39
16330.00	88.96	88.64	6248.34	10391.21	-574.89	10405.77	2.42
16424.00	89.80	87.36	6249.35	10485.19	-571.60	10499.70	1.63
16518.00	91.38	85.74	6248.39	10579.11	-565.94	10593.52	2.41
16606.00	91.68	86.89	6246.04	10667.00	-560.29	10681.31	1.36

5" = 100' MD