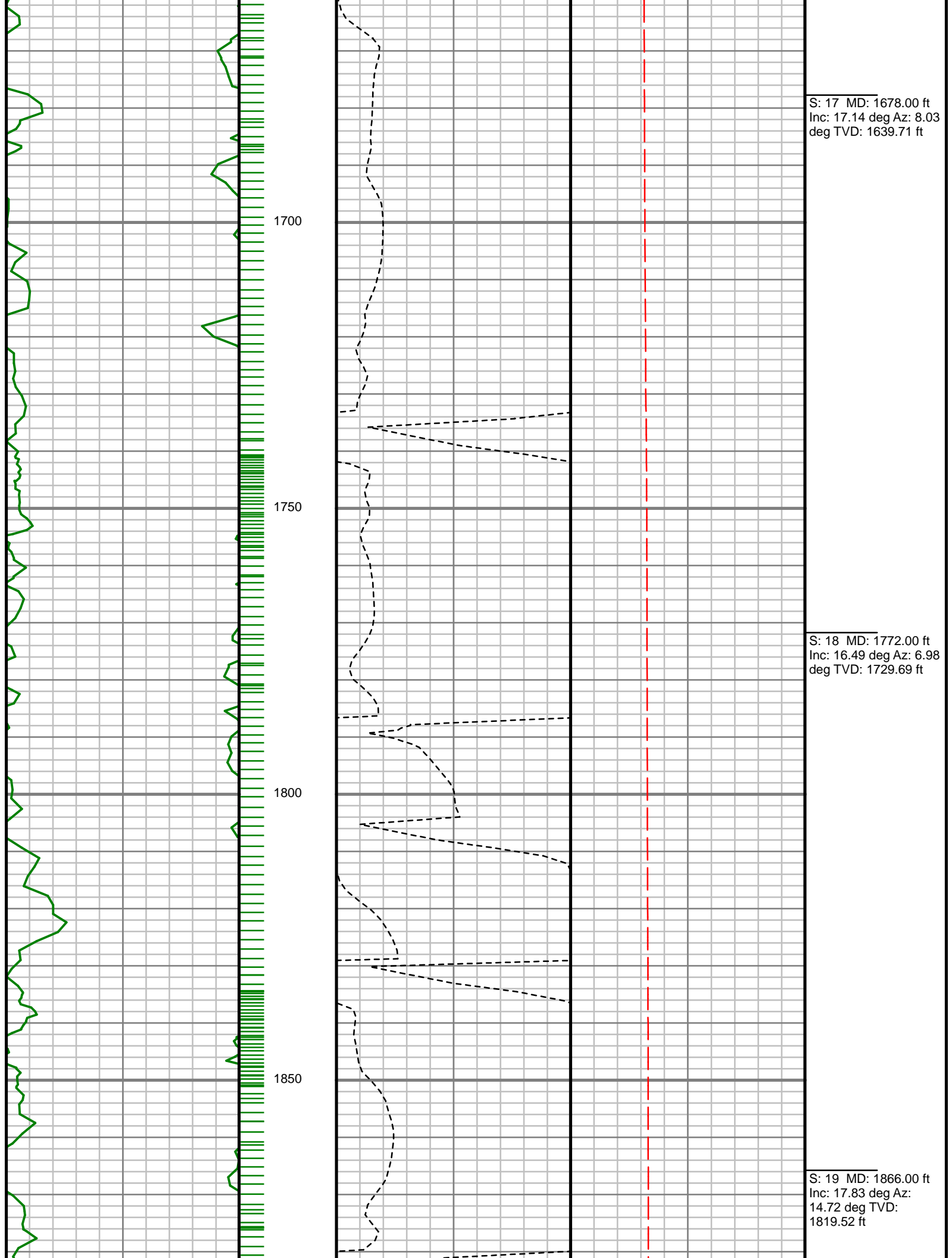


[illegible]

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.

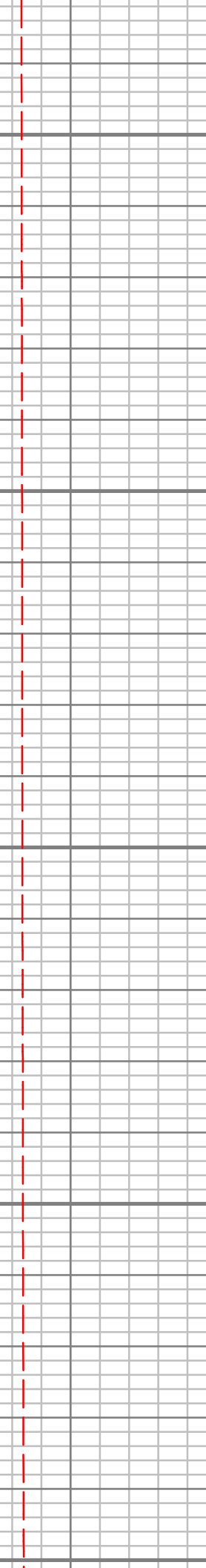
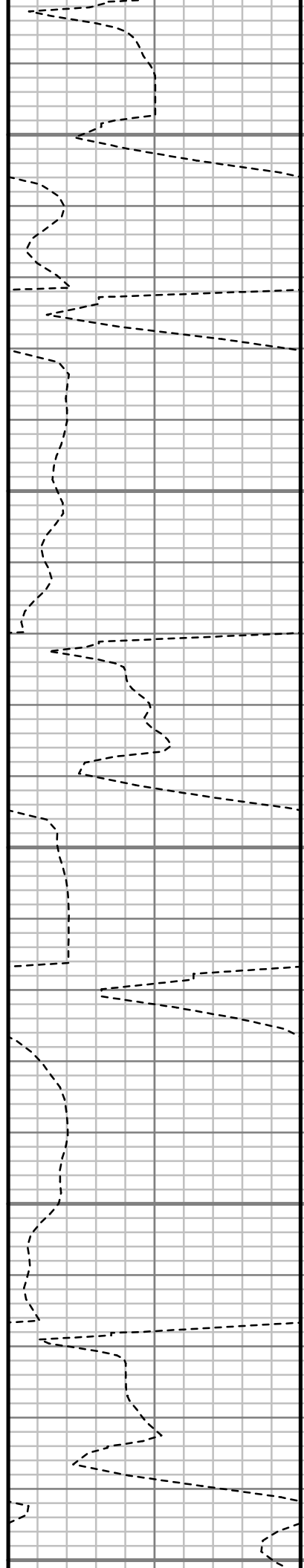
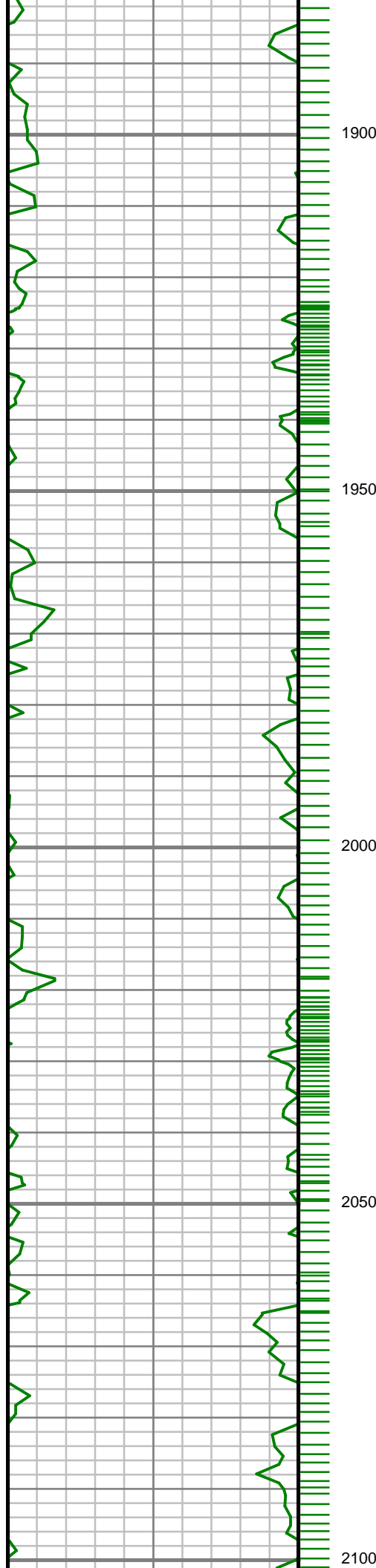
EXTRACTION OIL & GAS JANSSEN 2 PRODUCTION WATTENBERG FIELD WELD COUNTY, COLORADO API # 05-123-42359-00				
Gamma Ray (GR) 0 Unit = aapi 150	MEASURED DEPTH 1:240 (ft)	Rate of Penetration (ROP) 0 Unit = ft/hr 1000	Tool Temperature (T-TEMP) 0 Unit = °F 300	Comments



S: 17 MD: 1678.00 ft
Inc: 17.14 deg Az: 8.03
deg TVD: 1639.71 ft

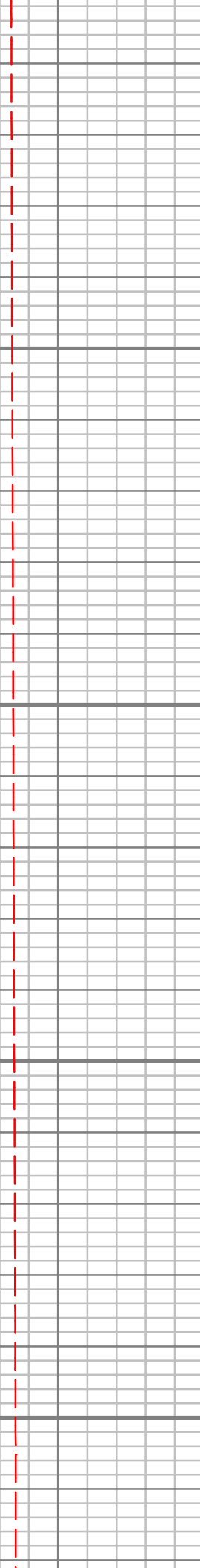
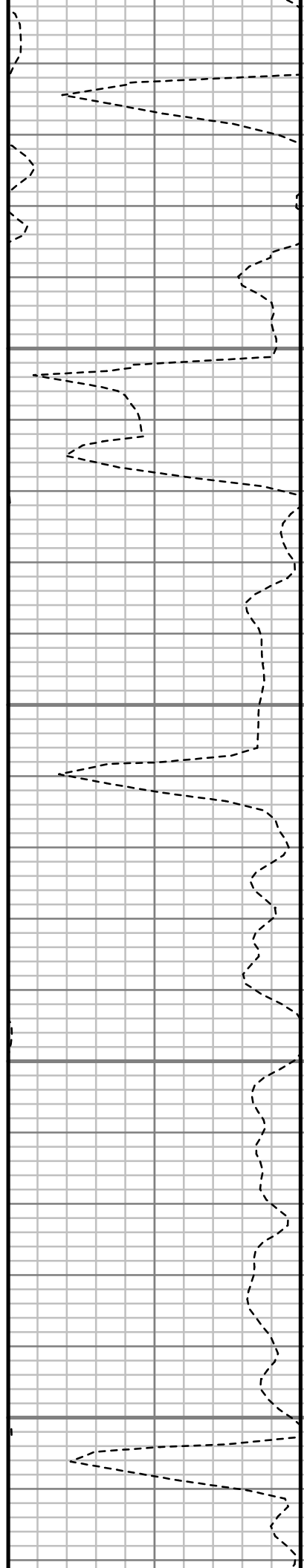
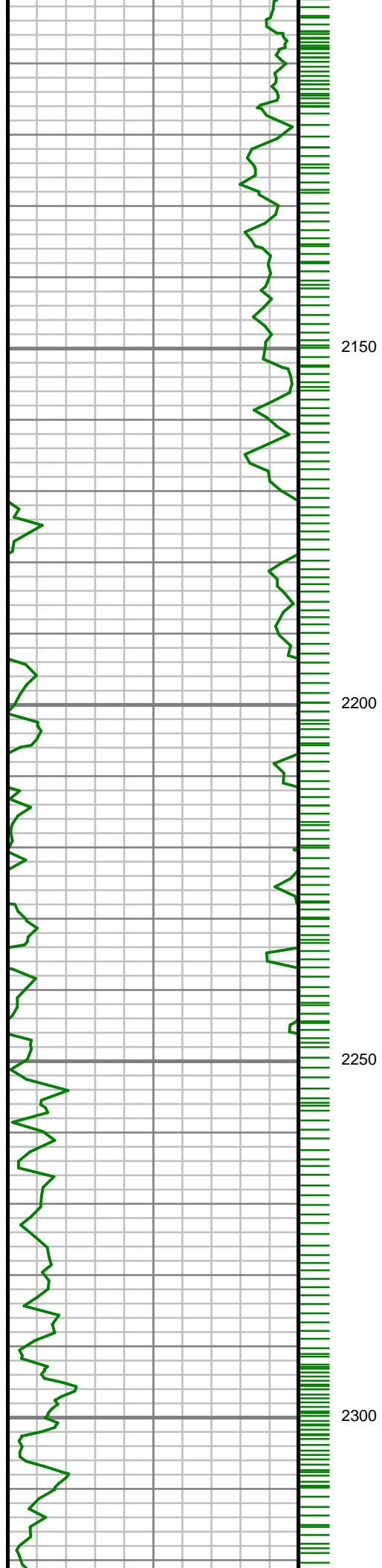
S: 18 MD: 1772.00 ft
Inc: 16.49 deg Az: 6.98
deg TVD: 1729.69 ft

S: 19 MD: 1866.00 ft
Inc: 17.83 deg Az:
14.72 deg TVD:
1819.52 ft



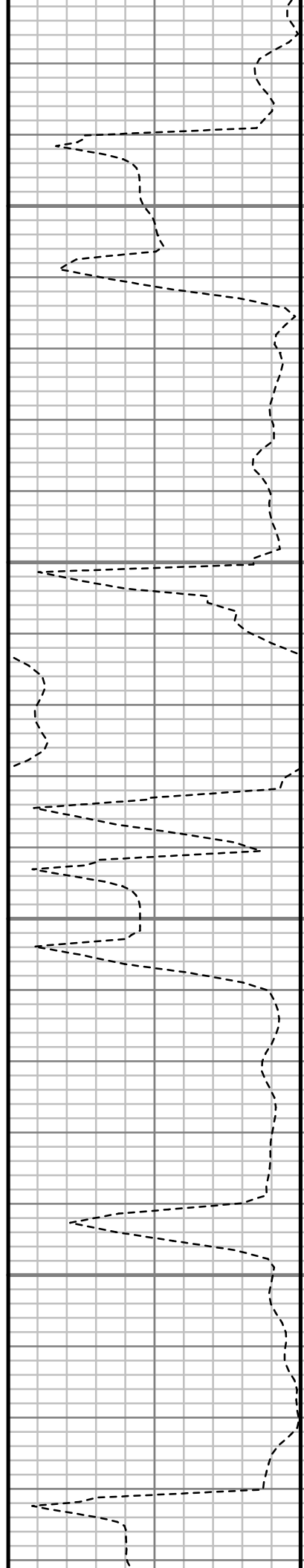
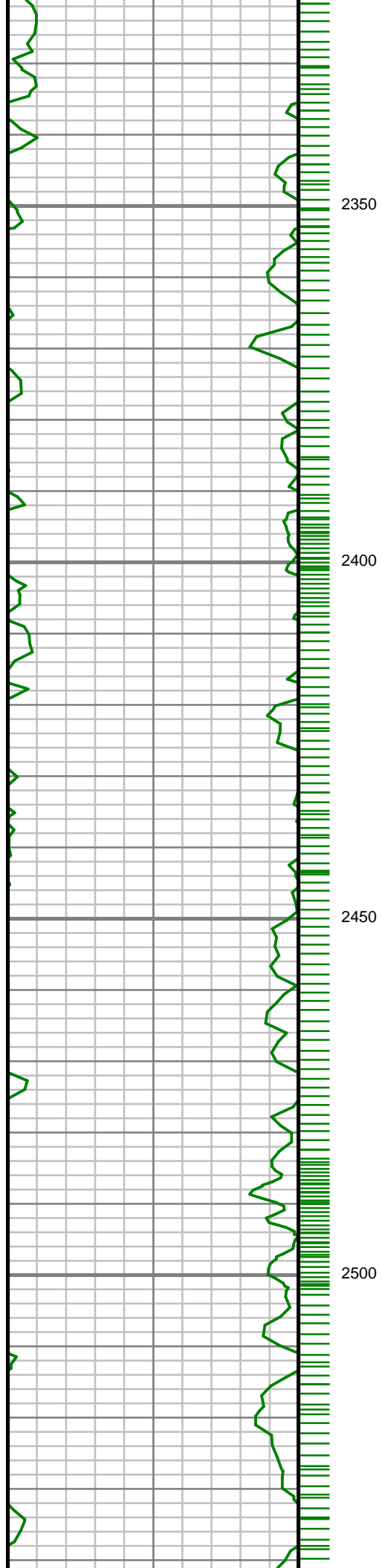
S: 20 MD: 1961.00 ft
Inc: 19.64 deg Az:
15.68 deg TVD:
1909.48 ft

S: 21 MD: 2056.00 ft
Inc: 22.37 deg Az:
13.72 deg TVD:
1998.17 ft



S: 22 MD: 2150.00 ft
Inc: 23.90 deg Az:
12.64 deg TVD:
2084.60 ft

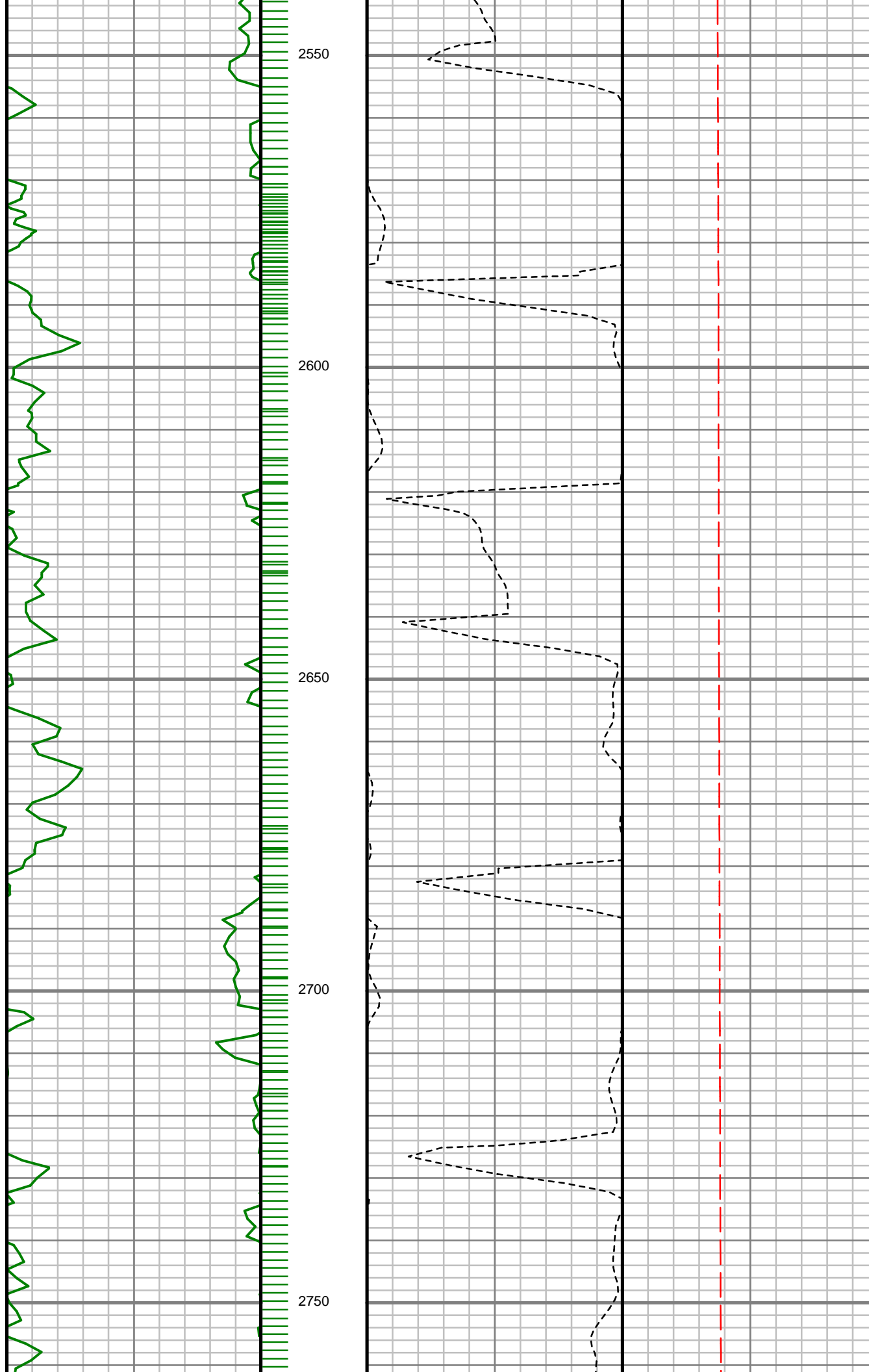
S: 23 MD: 2245.00 ft
Inc: 23.45 deg Az:
12.67 deg TVD:
2171.61 ft



S: 24 MD: 2340.00 ft
Inc: 23.03 deg Az:
11.23 deg TVD:
2258.90 ft

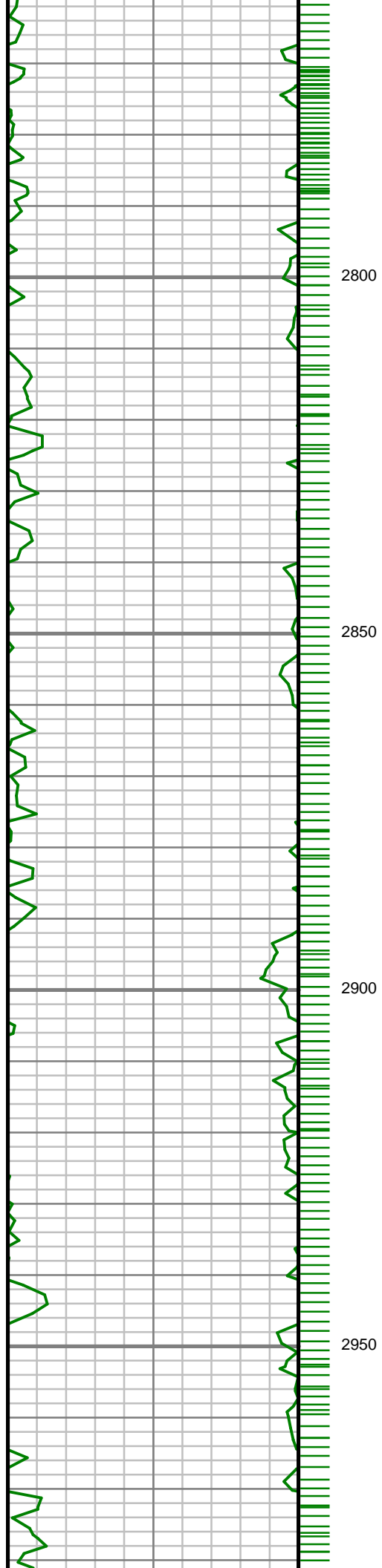
S: 25 MD: 2435.00 ft
Inc: 23.12 deg Az:
11.62 deg TVD:
2346.30 ft

S: 26 MD: 2530.00 ft
Inc: 22.98 deg Az:
10.58 deg TVD:
2433.72 ft



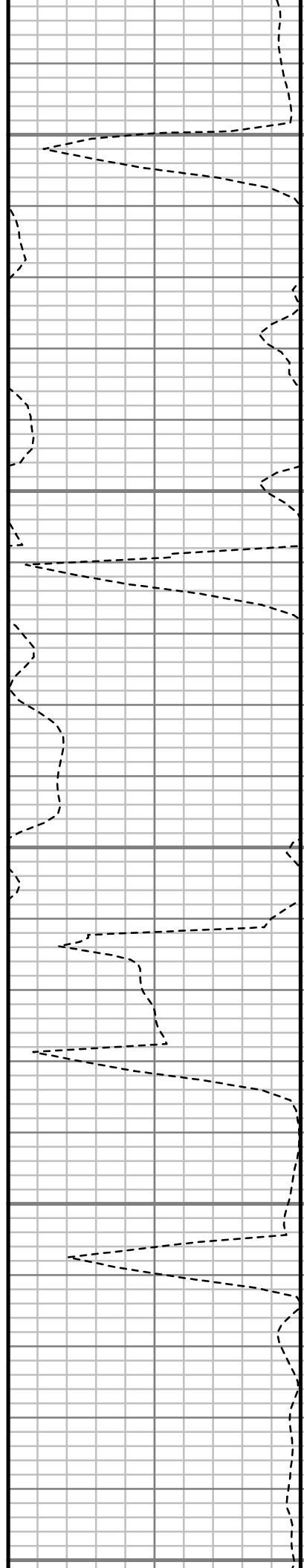
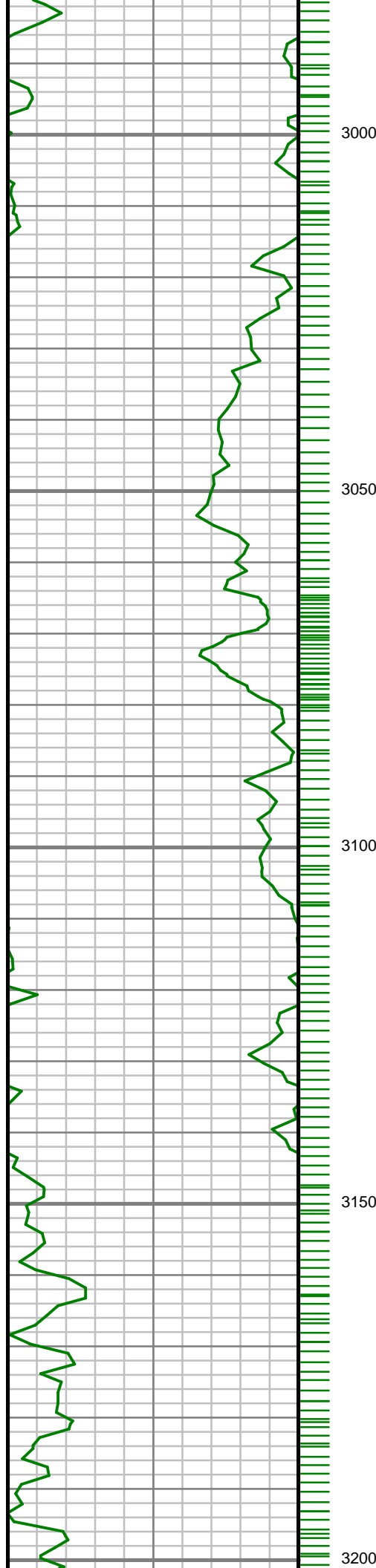
S: 27 MD: 2626.00 ft
Inc: 24.38 deg Az:
11.18 deg TVD:
2521.63 ft

S: 28 MD: 2720.00 ft
Inc: 25.83 deg Az:
12.08 deg TVD:
2606.75 ft



S: 29 MD: 2814.00 ft
Inc: 24.84 deg Az:
12.30 deg TVD:
2691.71 ft

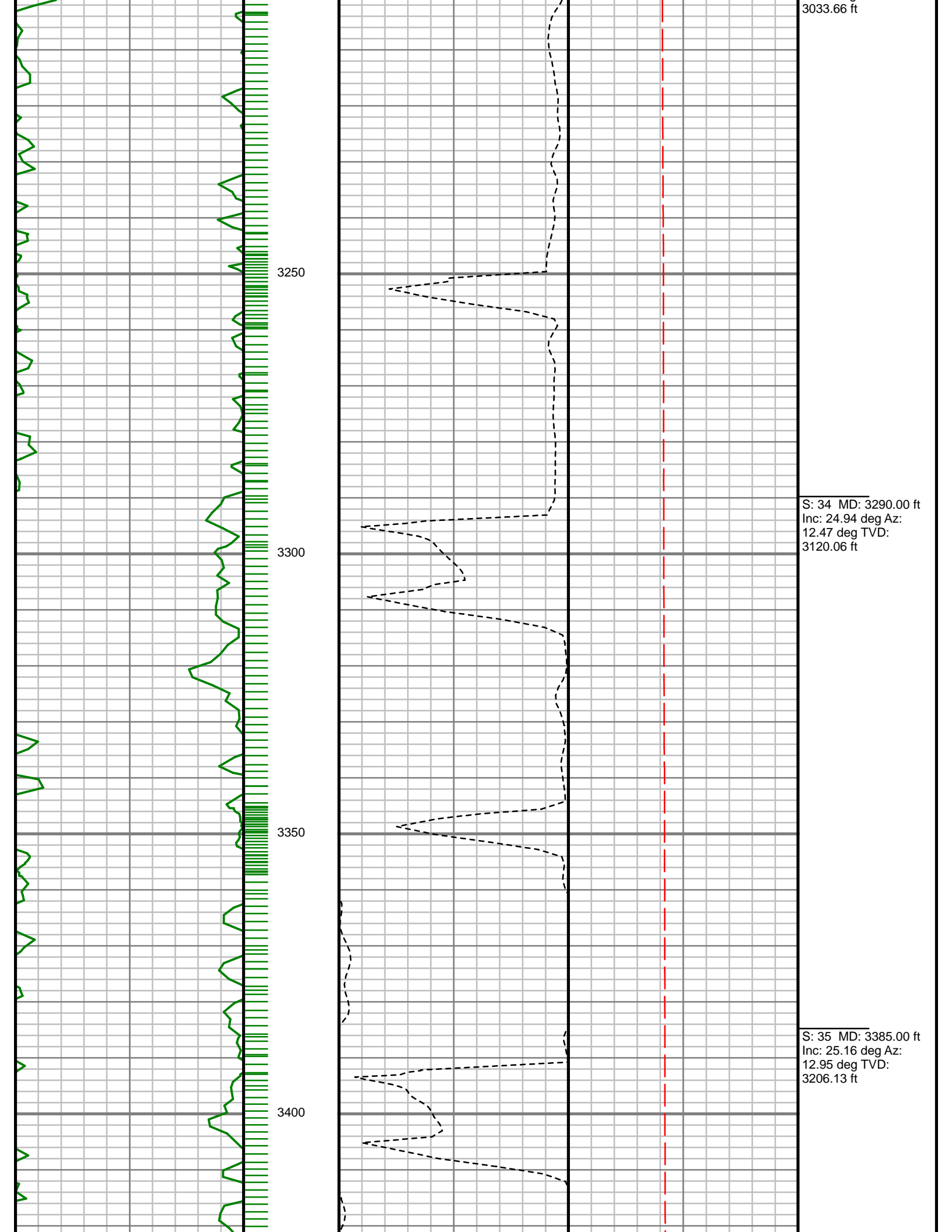
S: 30 MD: 2909.00 ft
Inc: 26.58 deg Az:
10.38 deg TVD:
2777.30 ft



S: 31 MD: 3004.00 ft
Inc: 25.46 deg Az:
10.79 deg TVD:
2862.67 ft

S: 32 MD: 3100.00 ft
Inc: 25.61 deg Az:
10.55 deg TVD:
2949.29 ft

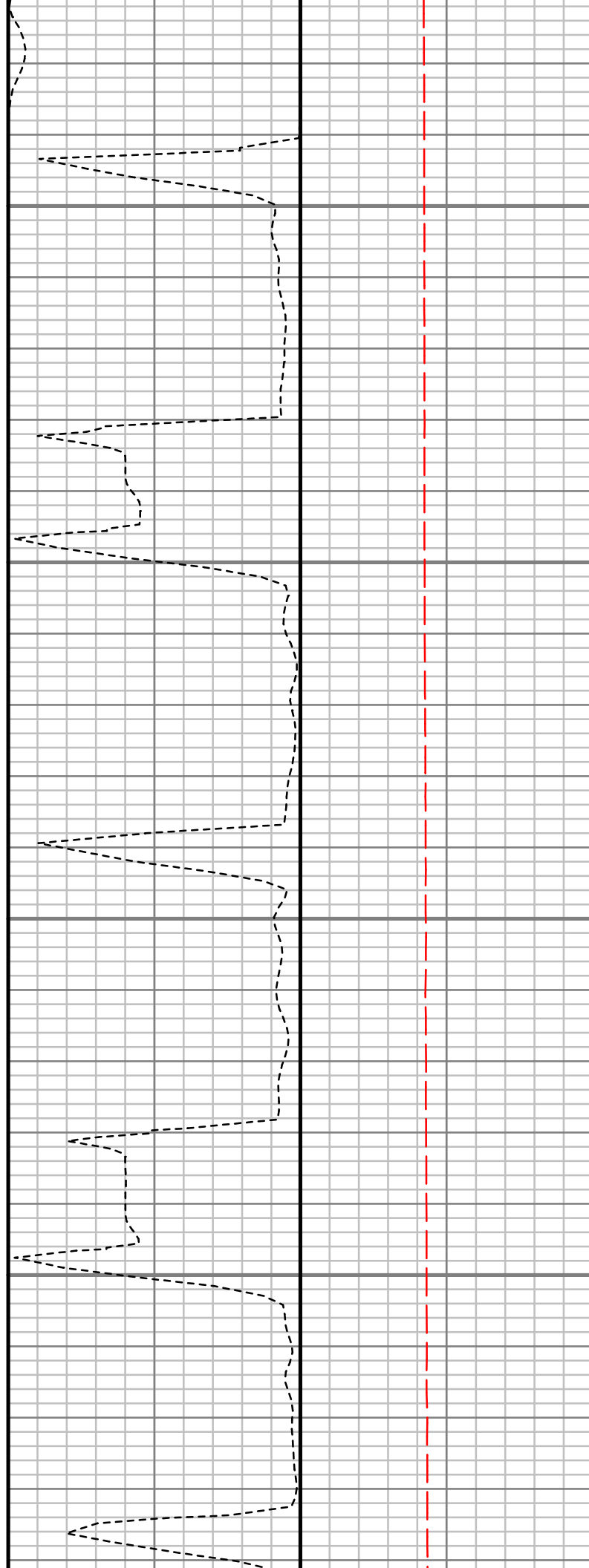
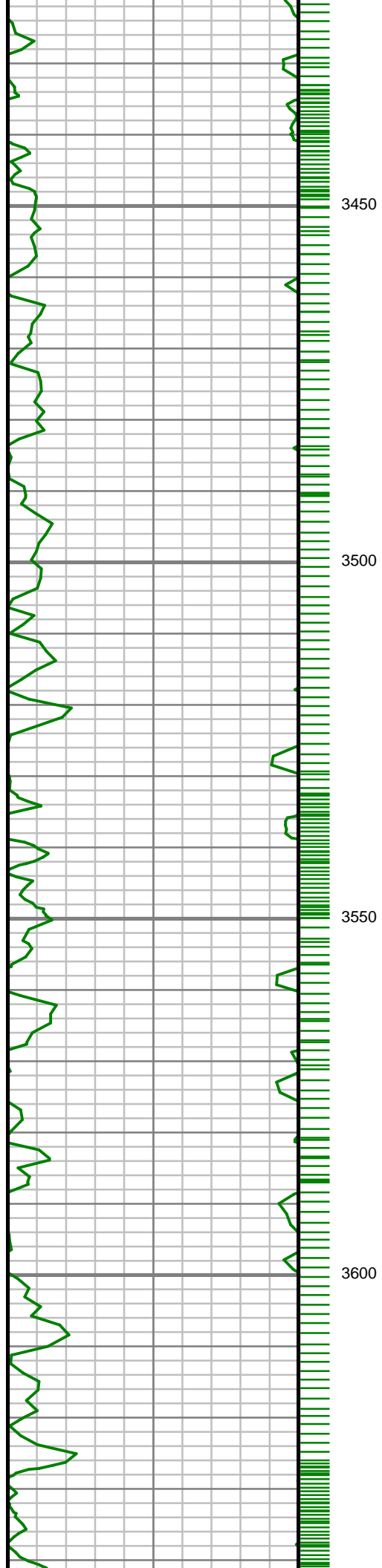
S: 33 MD: 3194.00 ft
Inc: 26.72 deg Az:
11.66 deg TVD:



3033.66 ft

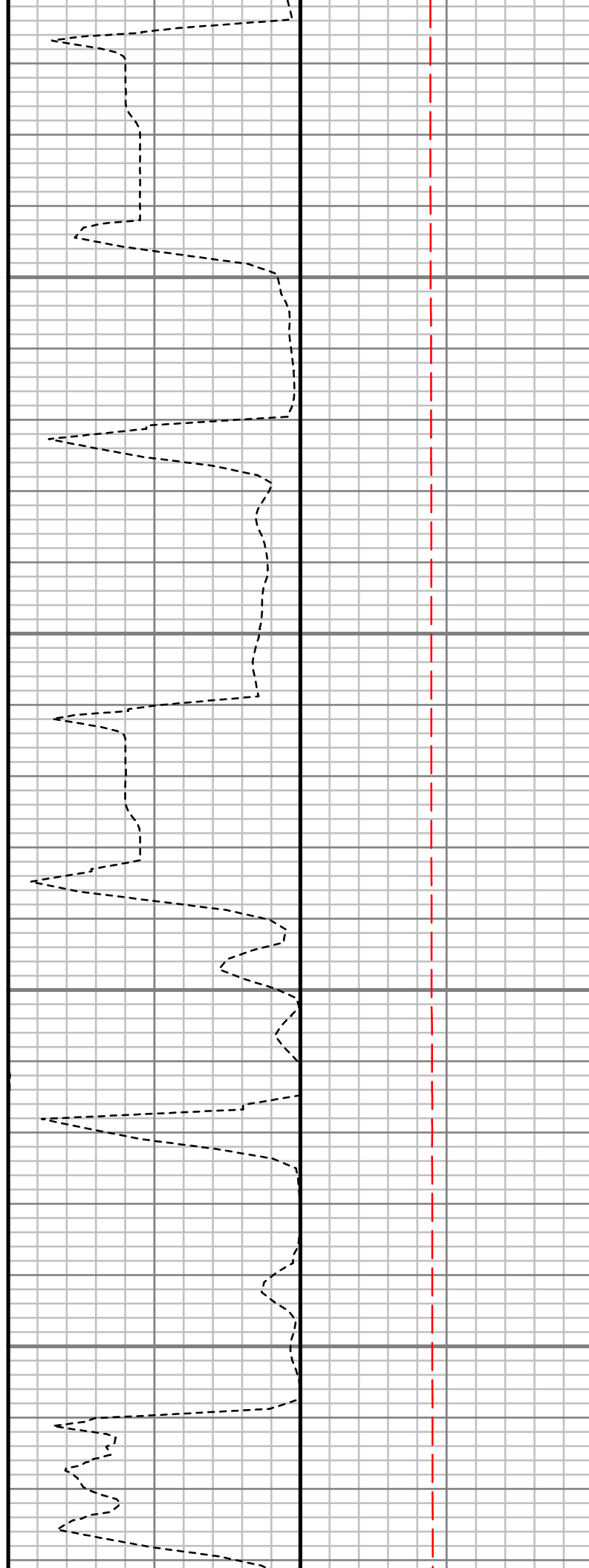
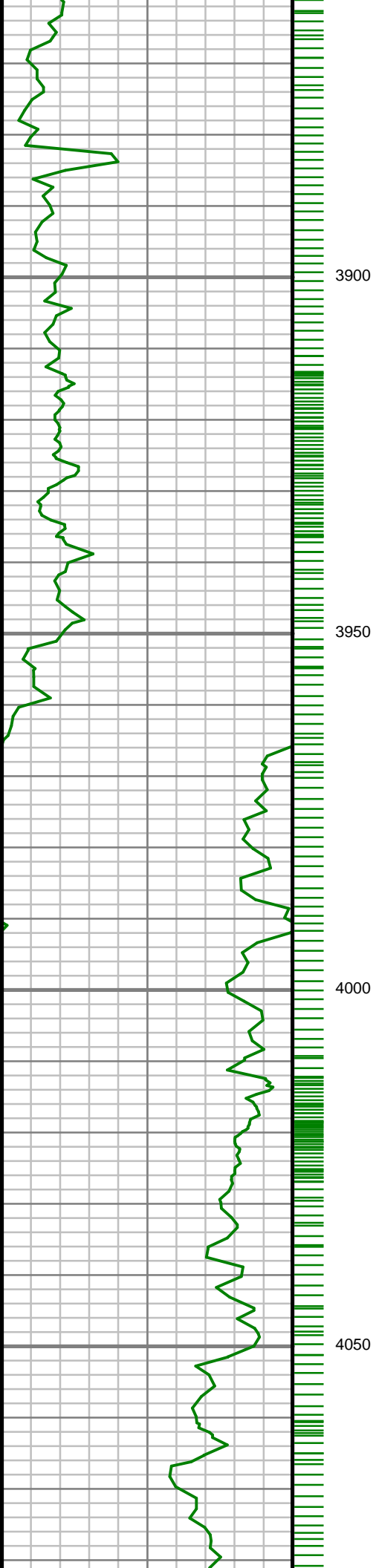
S: 34 MD: 3290.00 ft
Inc: 24.94 deg Az:
12.47 deg TVD:
3120.06 ft

S: 35 MD: 3385.00 ft
Inc: 25.16 deg Az:
12.95 deg TVD:
3206.13 ft



S: 36 MD: 3480.00 ft
Inc: 24.87 deg Az:
12.14 deg TVD:
3292.21 ft

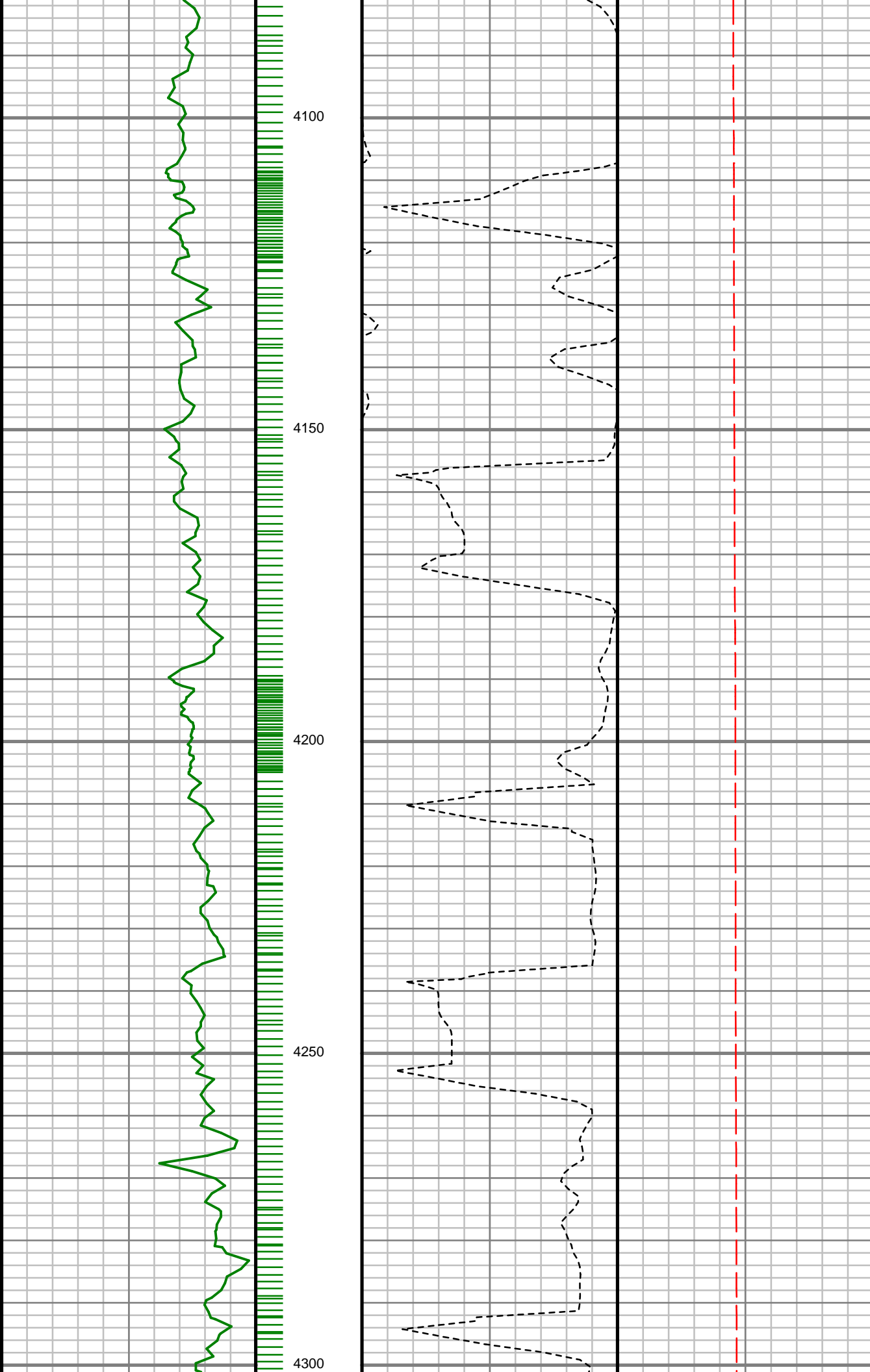
S: 37 MD: 3575.00 ft
Inc: 23.35 deg Az:
12.85 deg TVD:
3378.92 ft



S: 40 MD: 3861.00 ft
Inc: 21.39 deg Az:
10.75 deg TVD:
3644.54 ft

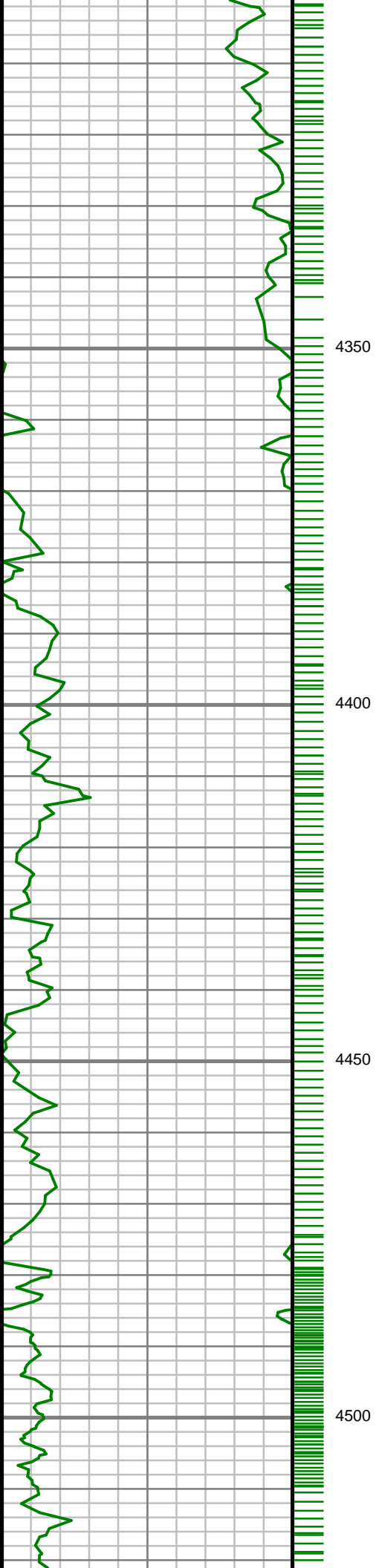
S: 41 MD: 3956.00 ft
Inc: 22.92 deg Az:
11.40 deg TVD:
3732.53 ft

S: 42 MD: 4051.00 ft
Inc: 25.52 deg Az:
12.93 deg TVD:
3819.16 ft



S: 43 MD: 4147.00 ft
Inc: 26.65 deg Az:
13.11 deg TVD:
3905.38 ft

S: 44 MD: 4241.00 ft
Inc: 28.47 deg Az:
14.92 deg TVD:
3988.72 ft

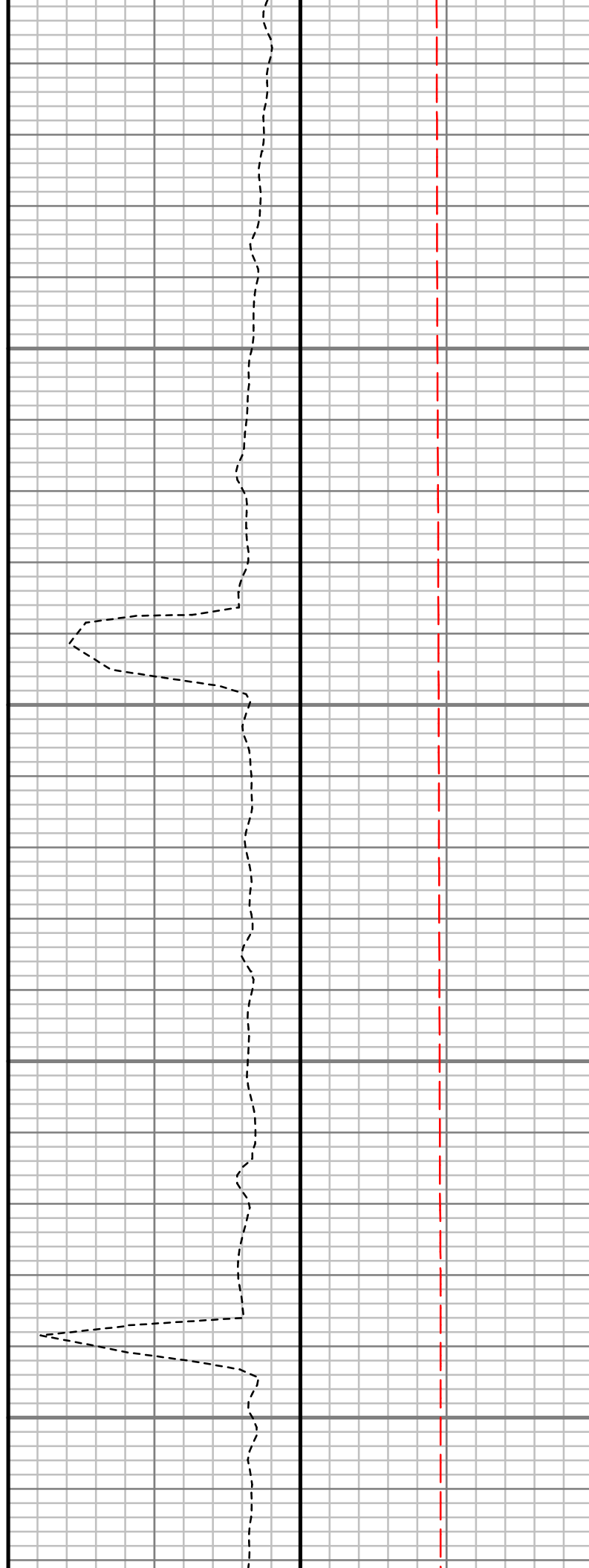


4350

4400

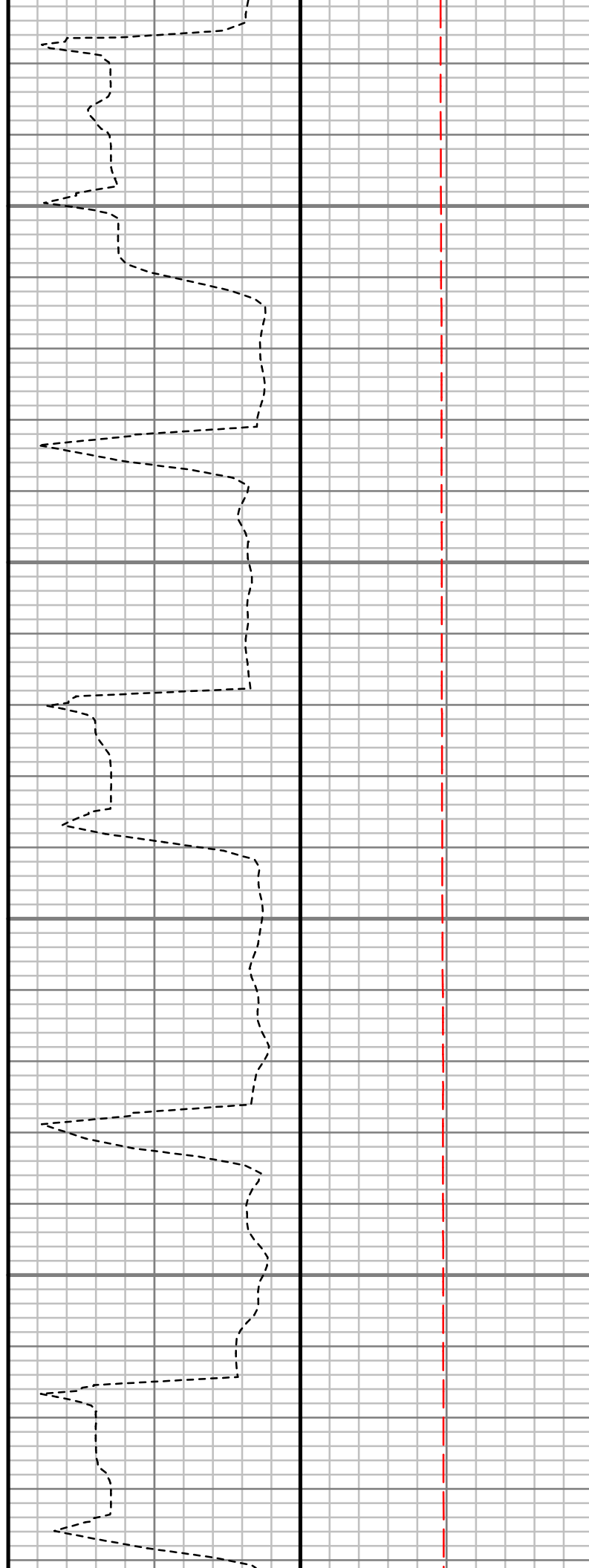
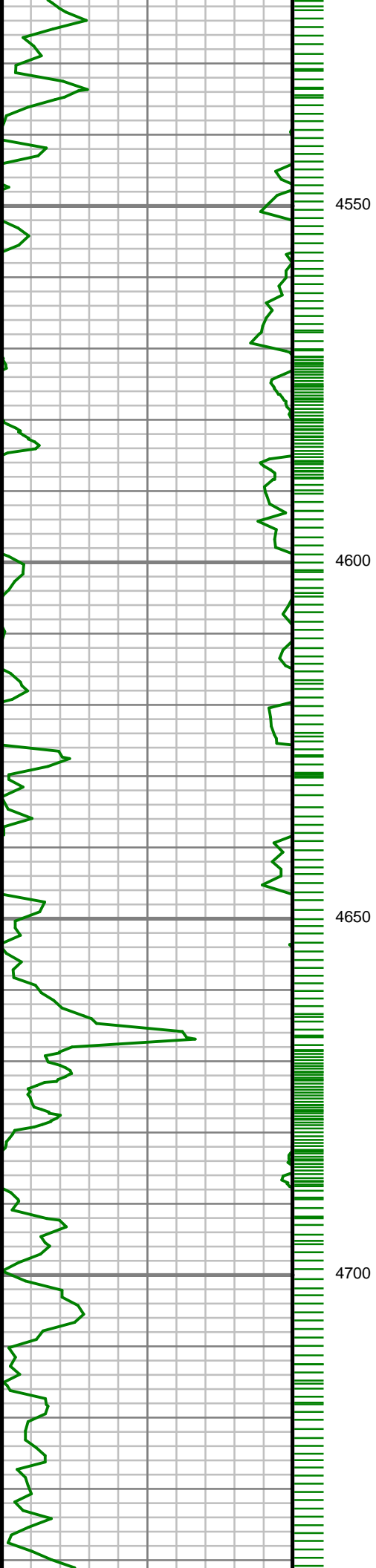
4450

4500



S: 45 MD: 4336.00 ft
Inc: 29.37 deg Az:
14.83 deg TVD:
4071.87 ft

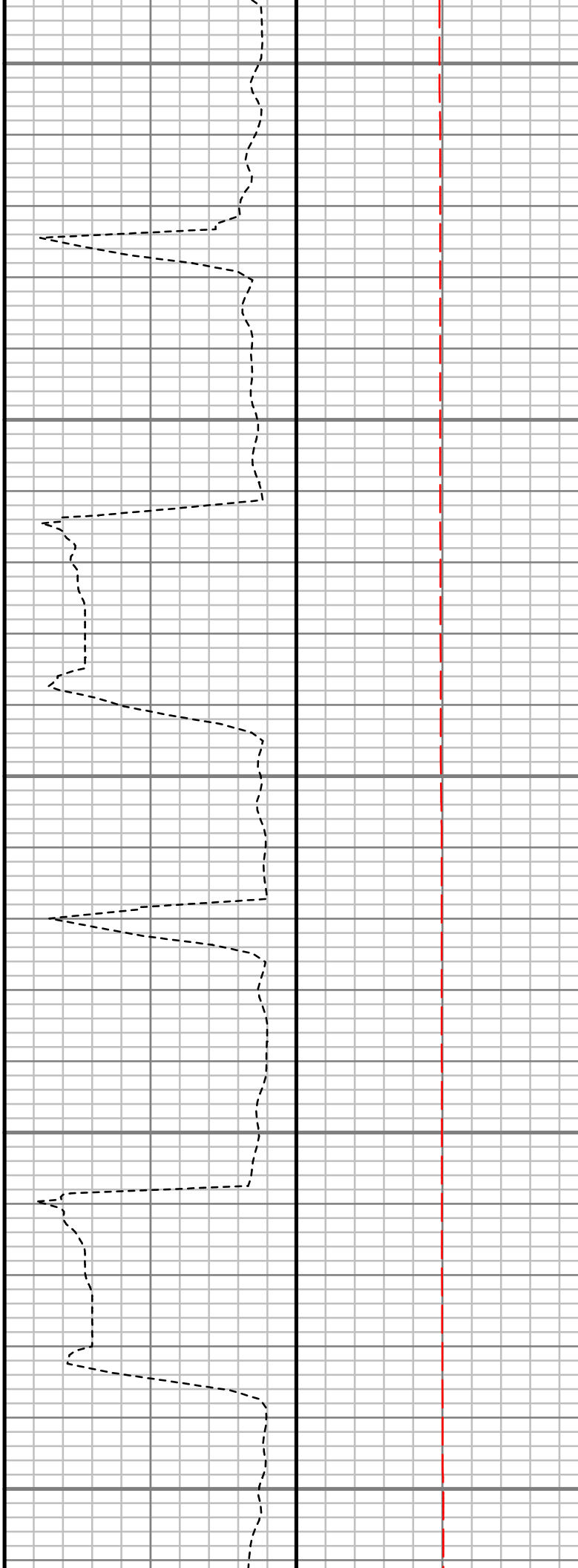
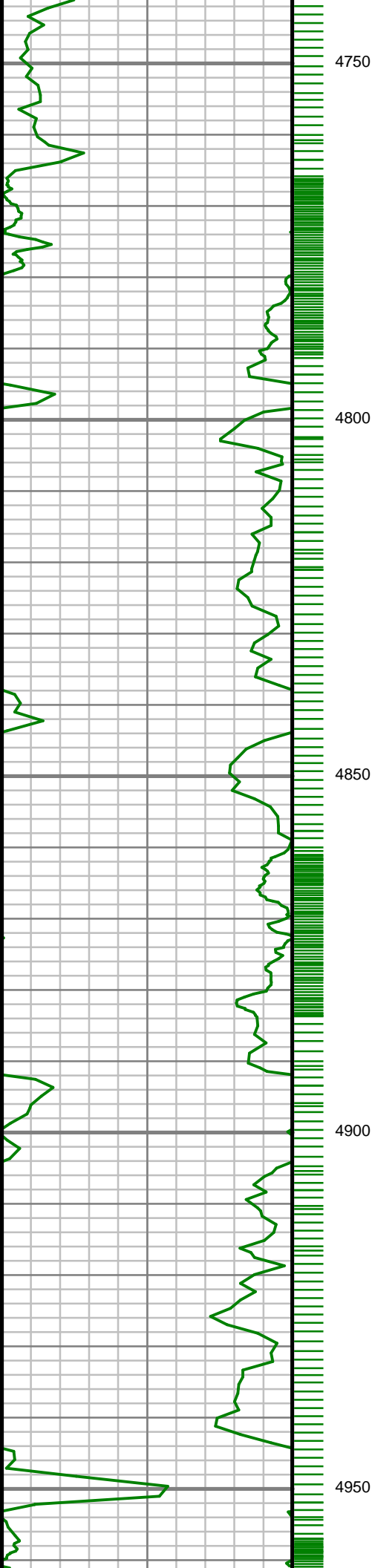
S: 46 MD: 4432.00 ft
Inc: 27.30 deg Az:
15.22 deg TVD:
4156.36 ft



S: 47 MD: 4528.00 ft
Inc: 24.86 deg Az:
15.85 deg TVD:
4242.58 ft

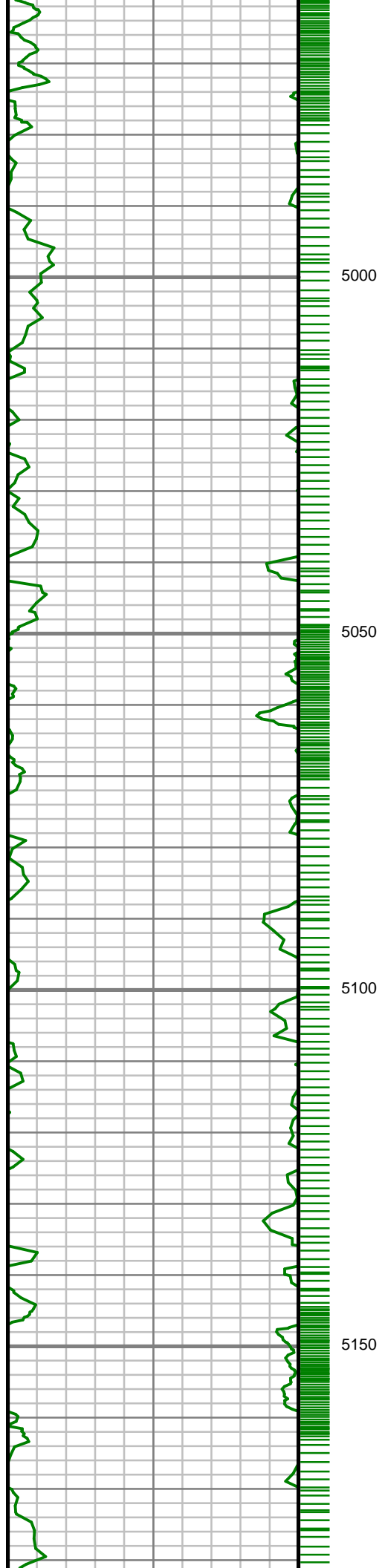
S: 48 MD: 4623.00 ft
Inc: 25.43 deg Az:
14.99 deg TVD:
4328.58 ft

S: 49 MD: 4717.00 ft
Inc: 24.17 deg Az:
15.28 deg TVD:
4413.91 ft



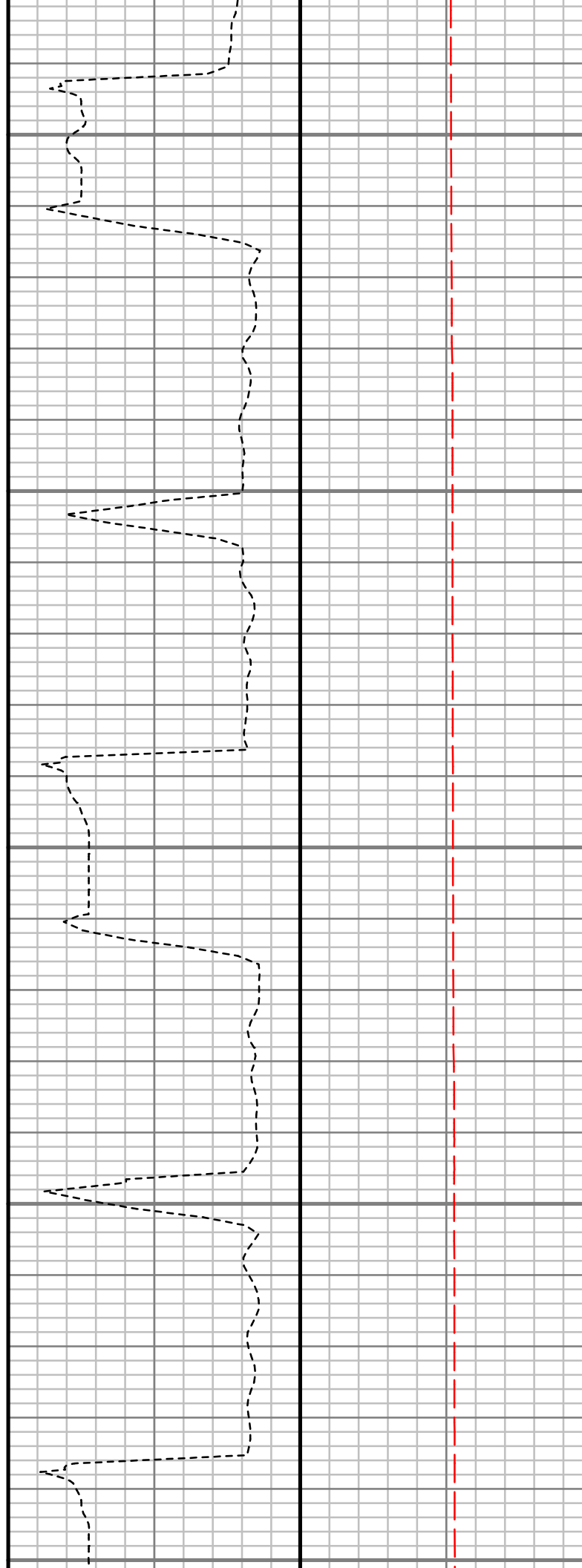
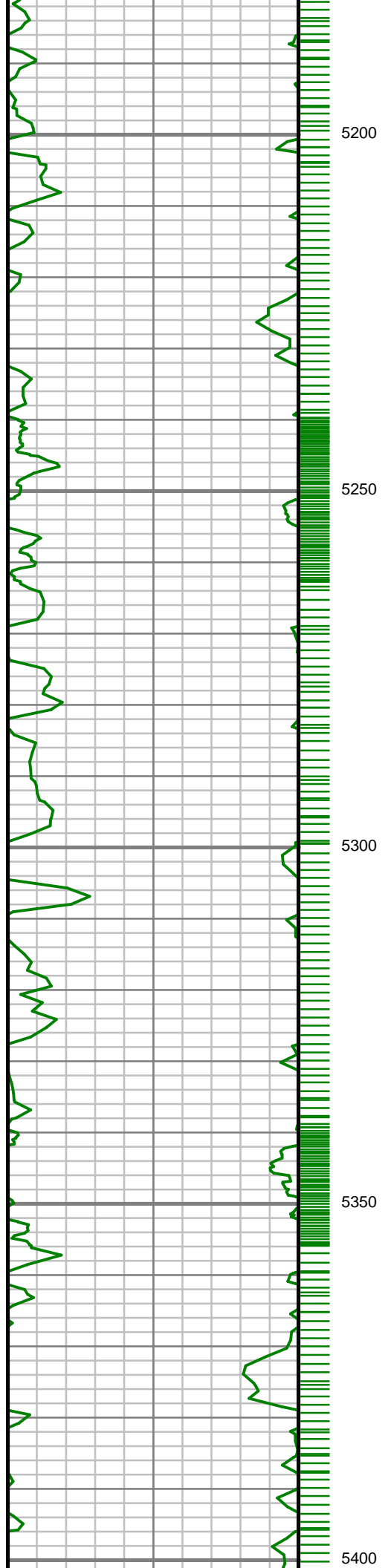
S: 50 MD: 4812.00 ft
Inc: 23.41 deg Az:
15.35 deg TVD:
4500.84 ft

S: 51 MD: 4907.00 ft
Inc: 24.37 deg Az:
12.42 deg TVD:
4587.70 ft



S: 52 MD: 5001.00 ft
Inc: 24.90 deg Az:
11.41 deg TVD:
4673.14 ft

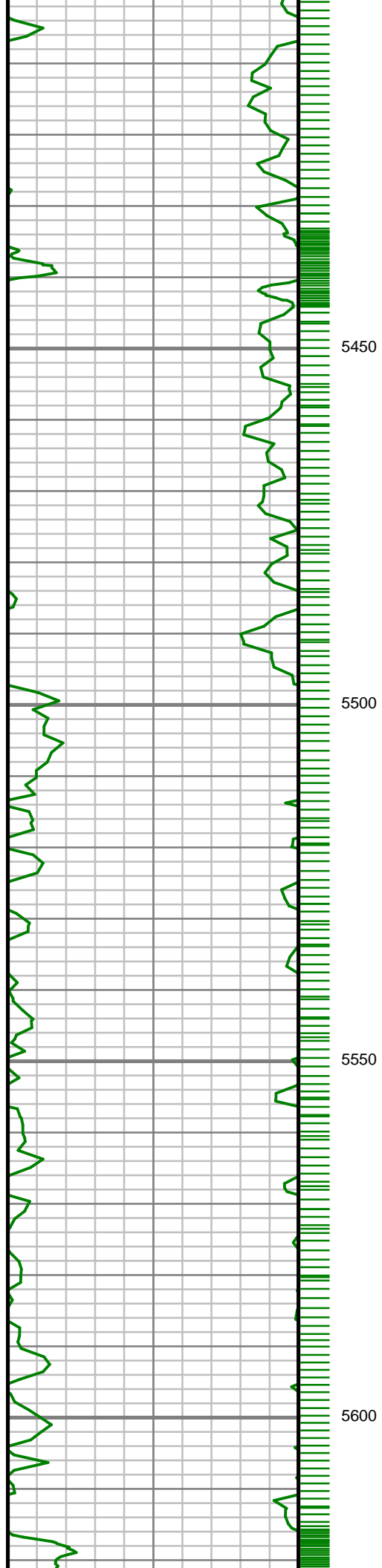
S: 53 MD: 5096.00 ft
Inc: 24.50 deg Az: 8.88
deg TVD: 4759.45 ft



S: 54 MD: 5191.00 ft
Inc: 22.58 deg Az: 8.05
deg TVD: 4846.54 ft

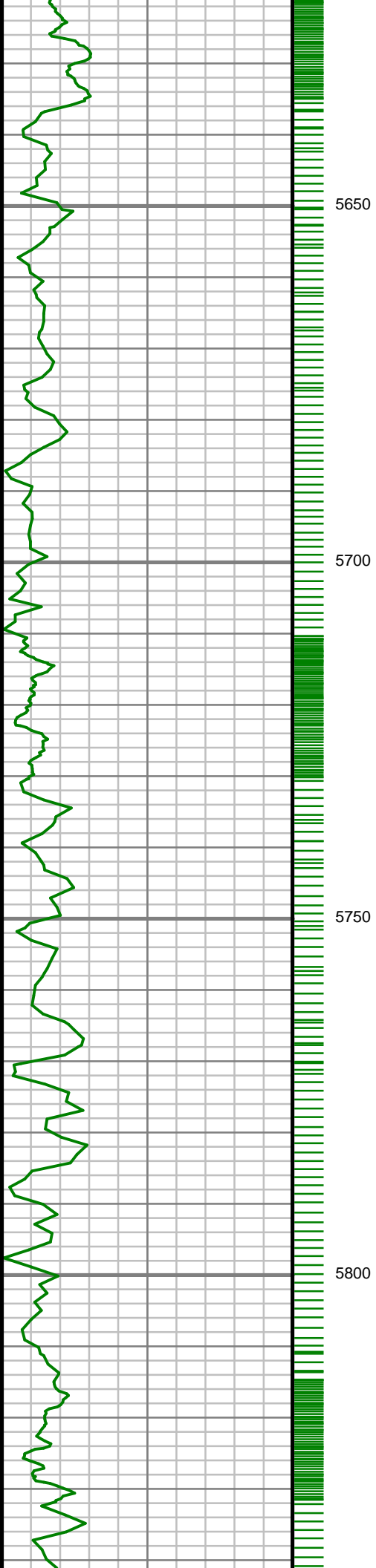
S: 55 MD: 5286.00 ft
Inc: 21.33 deg Az:
12.03 deg TVD:
4934.65 ft

S: 56 MD: 5381.00 ft
Inc: 21.01 deg Az:
11.76 deg TVD:
5023.24 ft



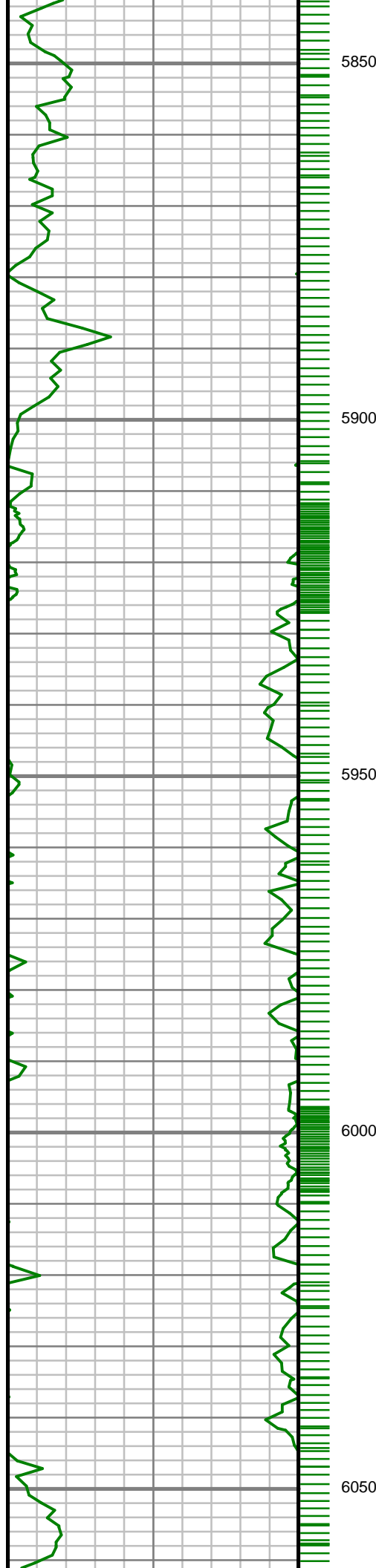
S: 57 MD: 5476.00 ft
Inc: 22.53 deg Az: 8.27
deg TVD: 5111.46 ft

S: 58 MD: 5572.00 ft
Inc: 19.15 deg Az: 2.65
deg TVD: 5201.18 ft



S: 59 MD: 5667.00 ft
Inc: 15.48 deg Az:
354.82 deg TVD:
5291.87 ft

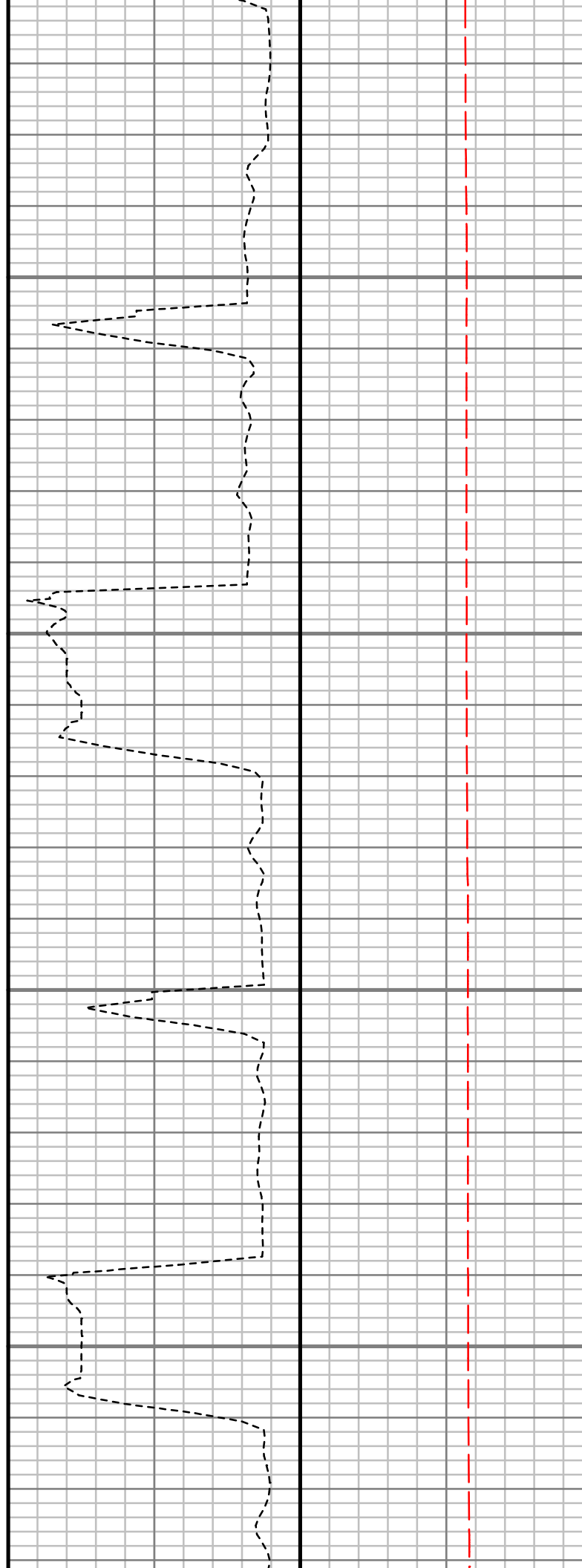
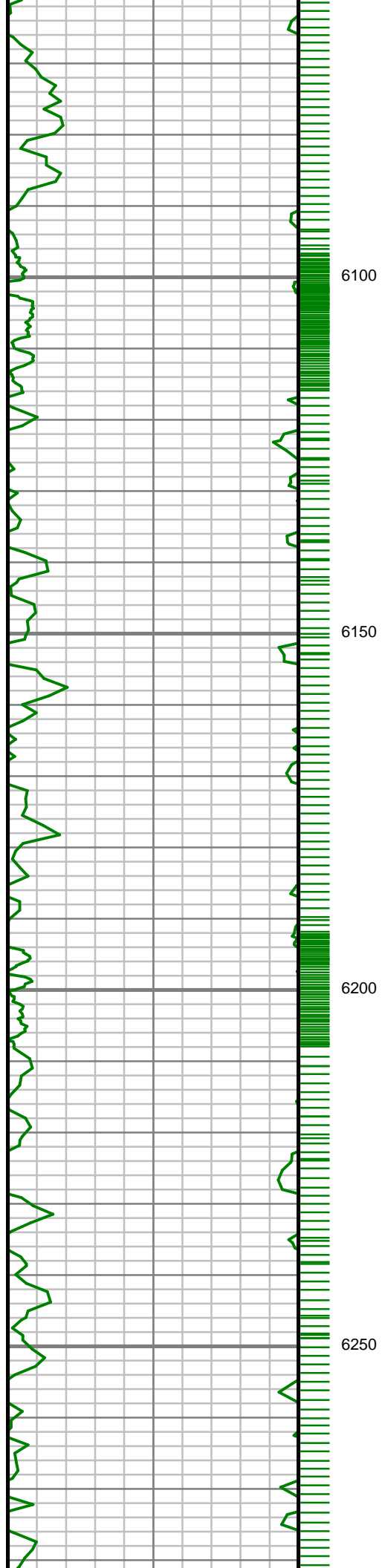
S: 60 MD: 5763.00 ft
Inc: 14.17 deg Az:
353.19 deg TVD:
5384.67 ft



S: 61 MD: 5858.00 ft
Inc: 11.93 deg Az:
359.82 deg TVD:
5477.22 ft

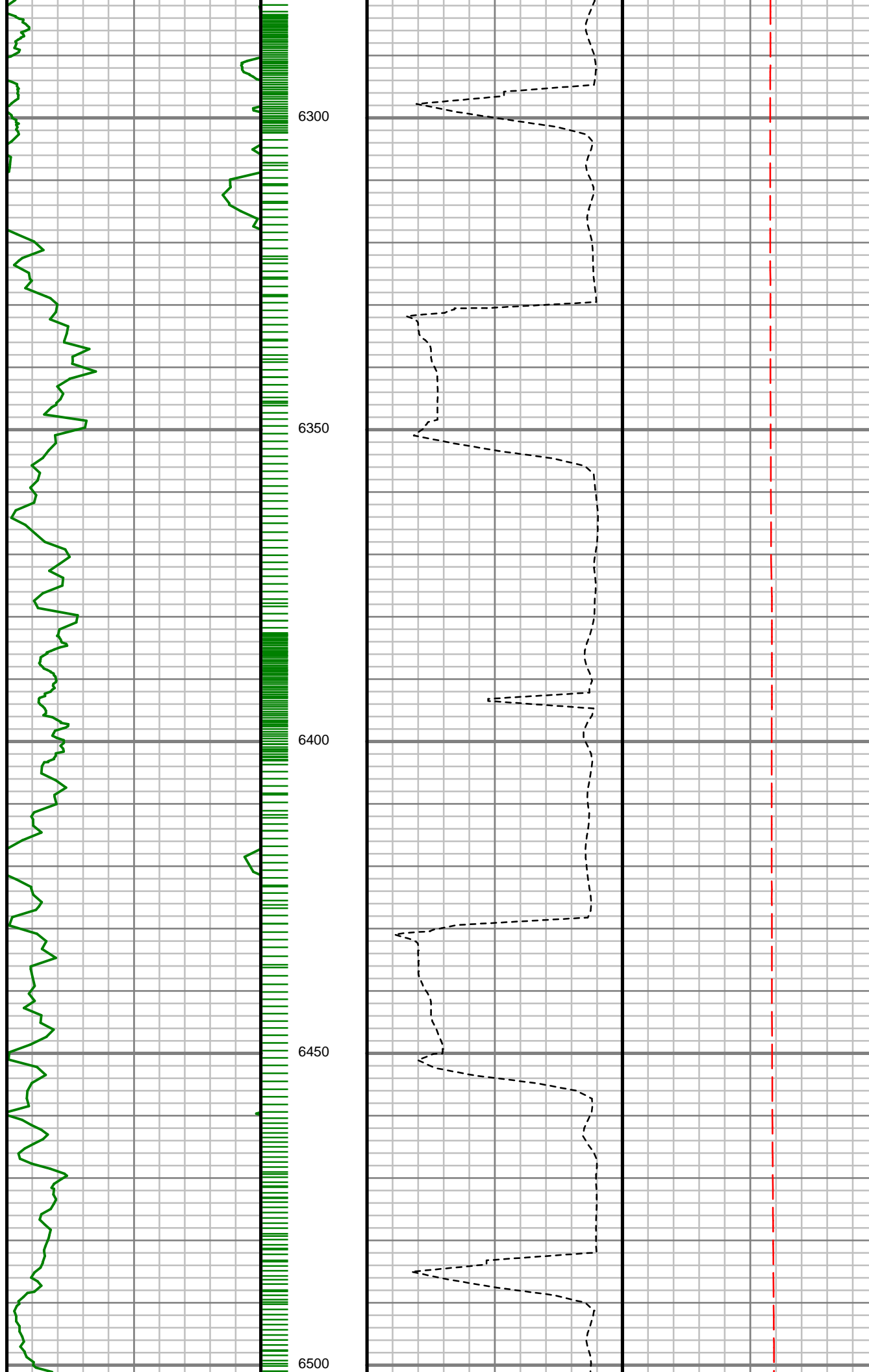
S: 62 MD: 5953.00 ft
Inc: 11.01 deg Az: 6.26
deg TVD: 5570.32 ft

S: 63 MD: 6048.00 ft
Inc: 11.20 deg Az:
13.75 deg TVD:
5663.55 ft



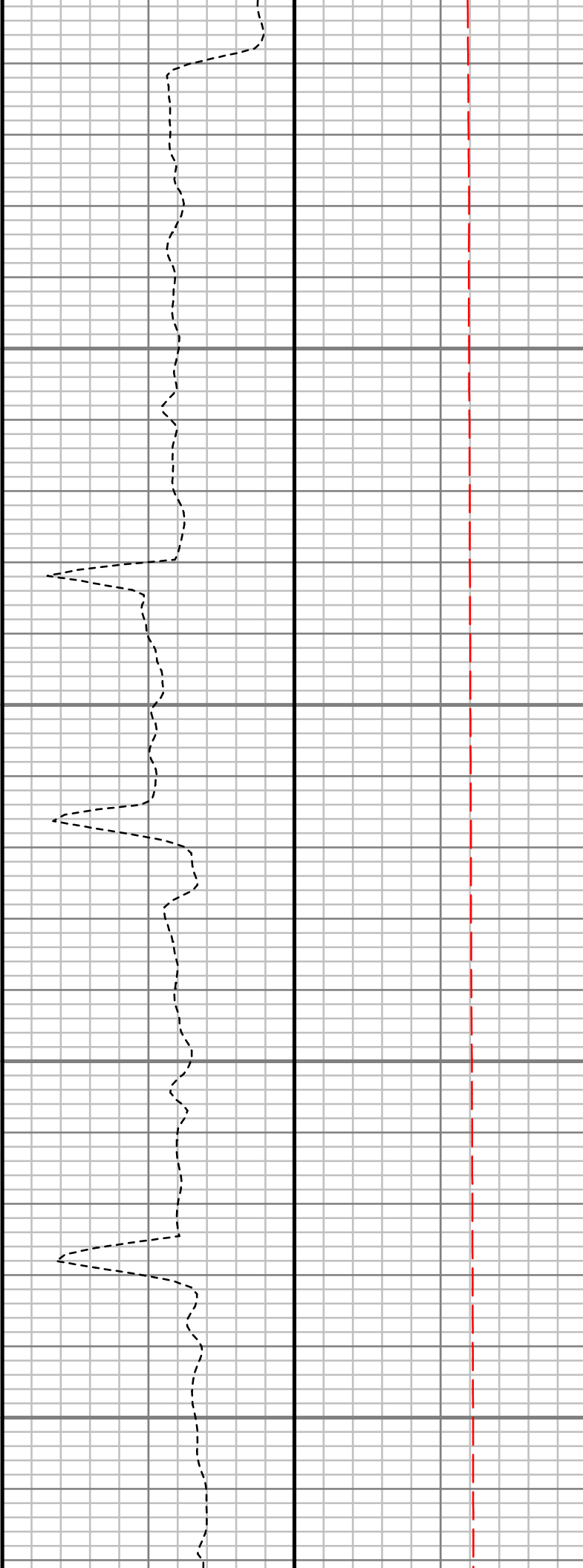
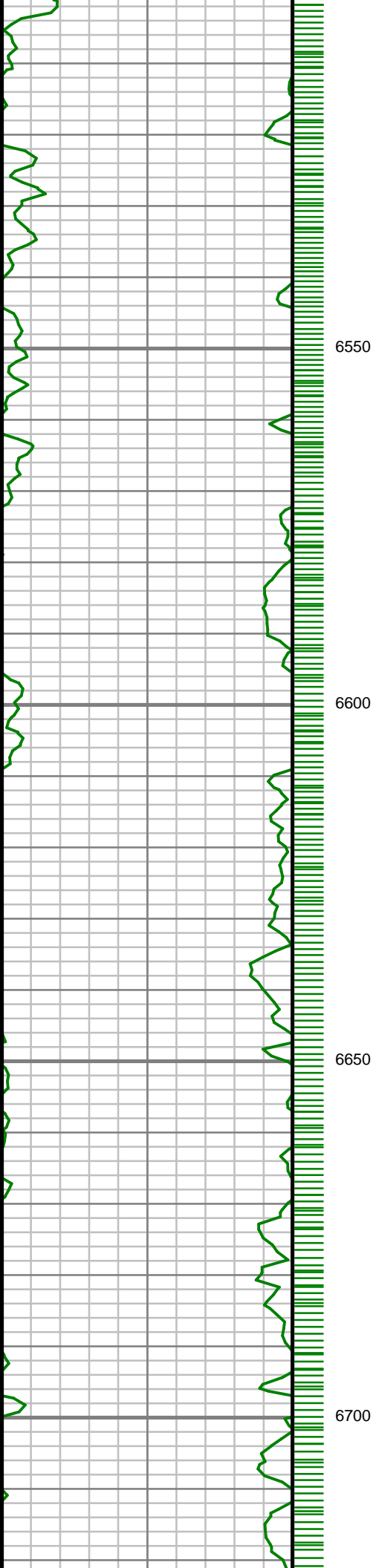
S: 64 MD: 6142.00 ft
Inc: 9.21 deg Az: 19.48
deg TVD: 5756.06 ft

S: 65 MD: 6237.00 ft
Inc: 6.00 deg Az: 27.73
deg TVD: 5850.21 ft



S: 66 MD: 6332.00 ft
Inc: 4.02 deg Az: 33.97
deg TVD: 5944.84 ft

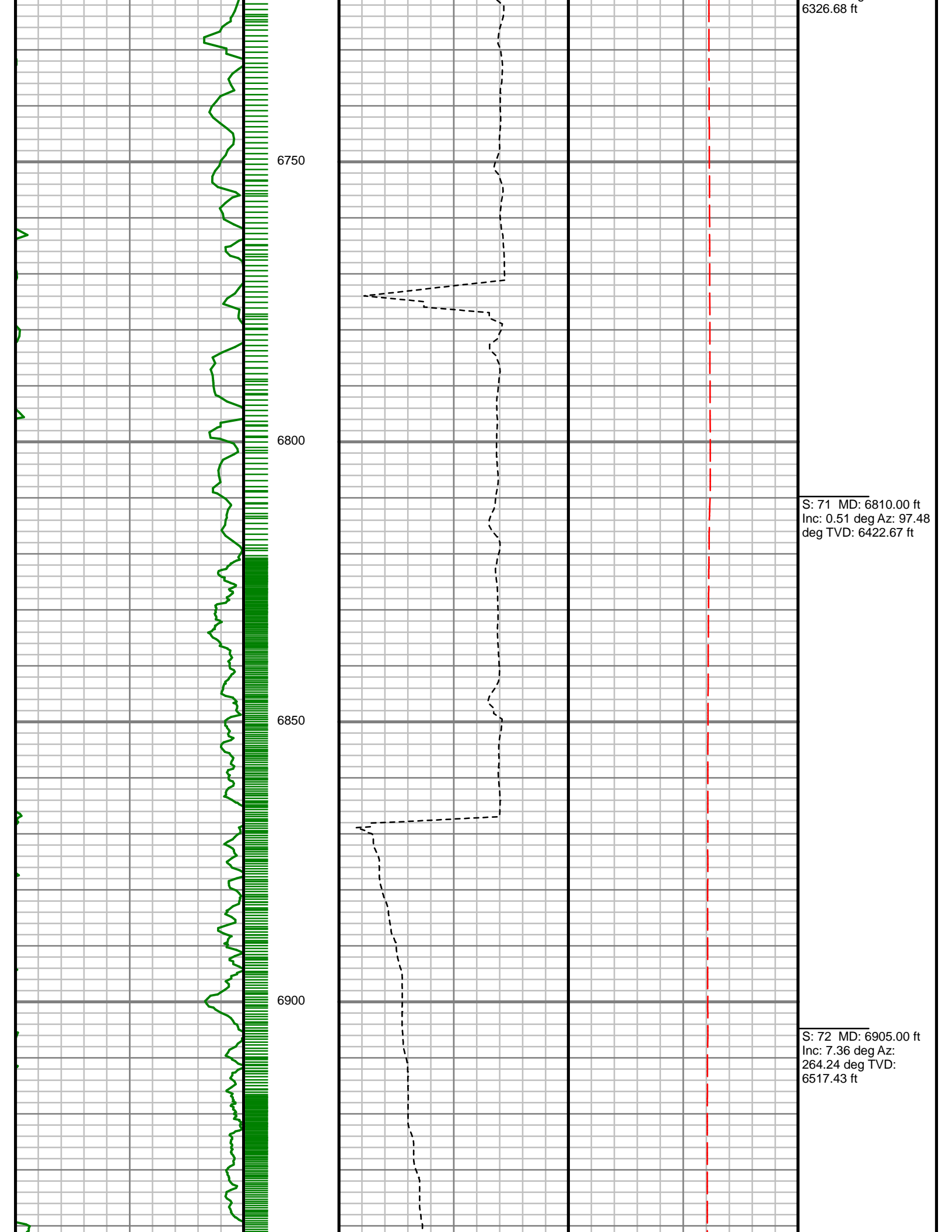
S: 67 MD: 6428.00 ft
Inc: 1.81 deg Az: 40.22
deg TVD: 6040.71 ft



S: 68 MD: 6523.00 ft
Inc: 0.72 deg Az:
107.14 deg TVD:
6135.69 ft

S: 69 MD: 6619.00 ft
Inc: 0.94 deg Az:
112.29 deg TVD:
6231.68 ft

S: 70 MD: 6714.00 ft
Inc: 0.53 deg Az:
126.58 deg TVD:



6326.68 ft

6750

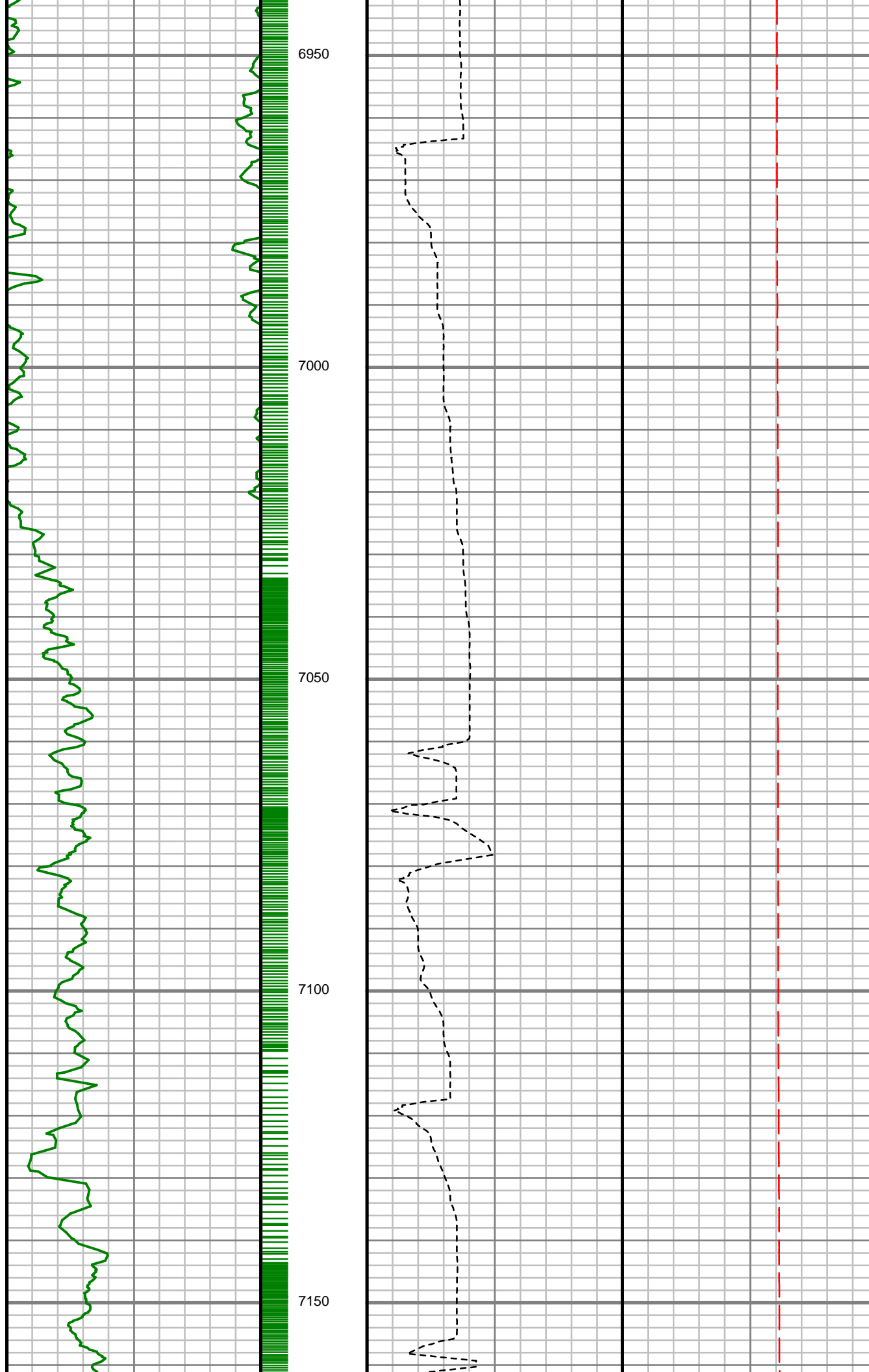
6800

6850

6900

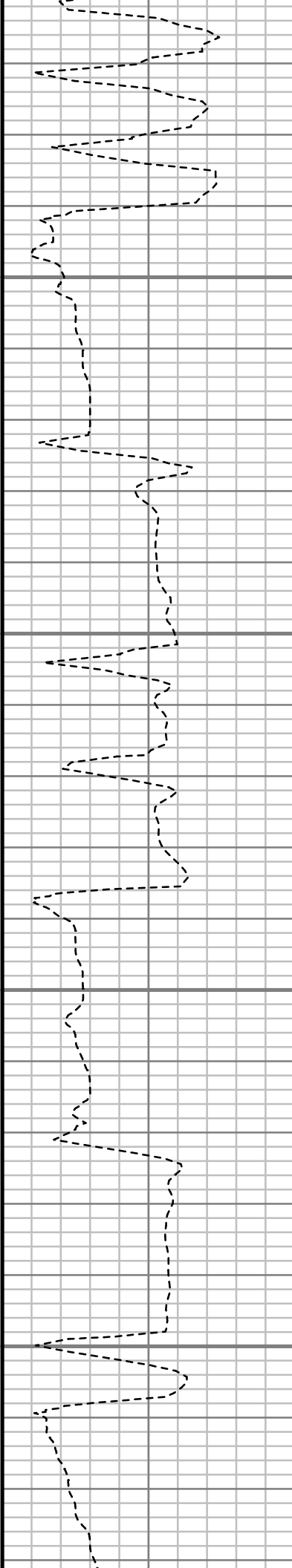
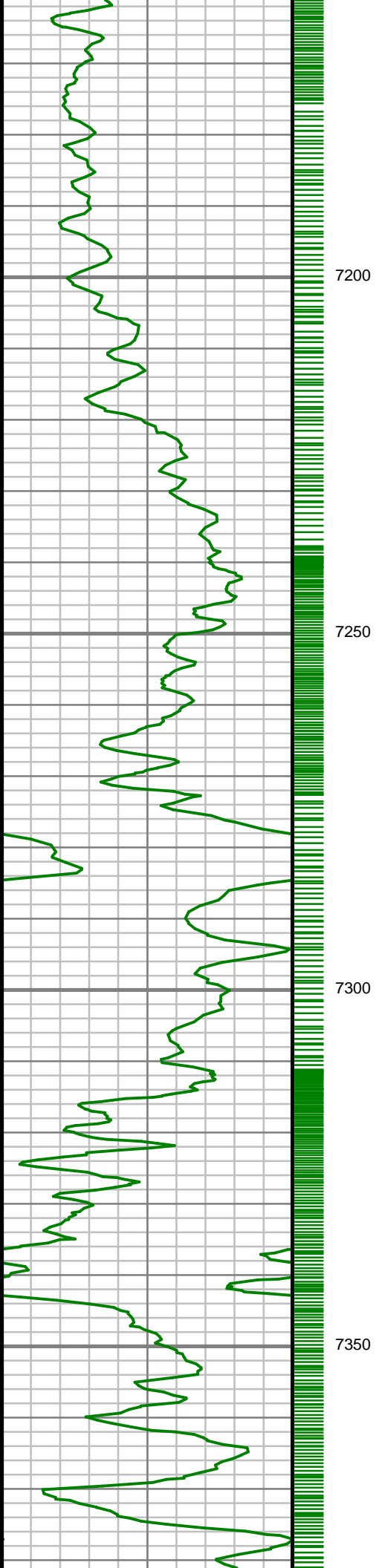
S: 71 MD: 6810.00 ft
Inc: 0.51 deg Az: 97.48
deg TVD: 6422.67 ft

S: 72 MD: 6905.00 ft
Inc: 7.36 deg Az: 264.24
deg TVD: 6517.43 ft



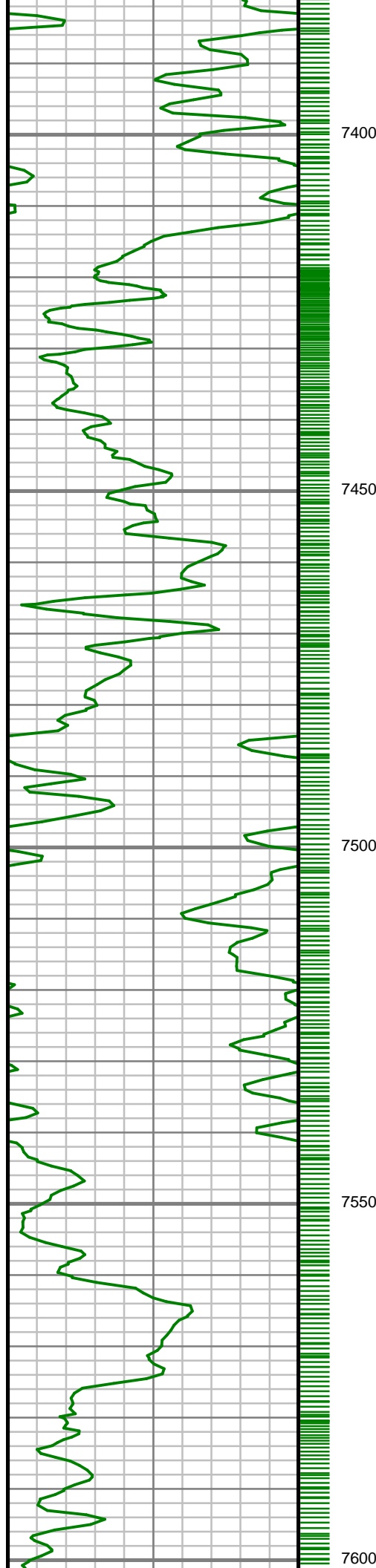
S: 73 MD: 7001.00 ft
Inc: 17.67 deg Az:
276.97 deg TVD:
6611.03 ft

S: 74 MD: 7096.00 ft
Inc: 27.11 deg Az:
281.19 deg TVD:
6698.78 ft



S: 75 MD: 7191.00 ft
Inc: 35.91 deg Az:
274.45 deg TVD:
6779.72 ft

S: 76 MD: 7286.00 ft
Inc: 39.72 deg Az:
271.17 deg TVD:
6854.76 ft



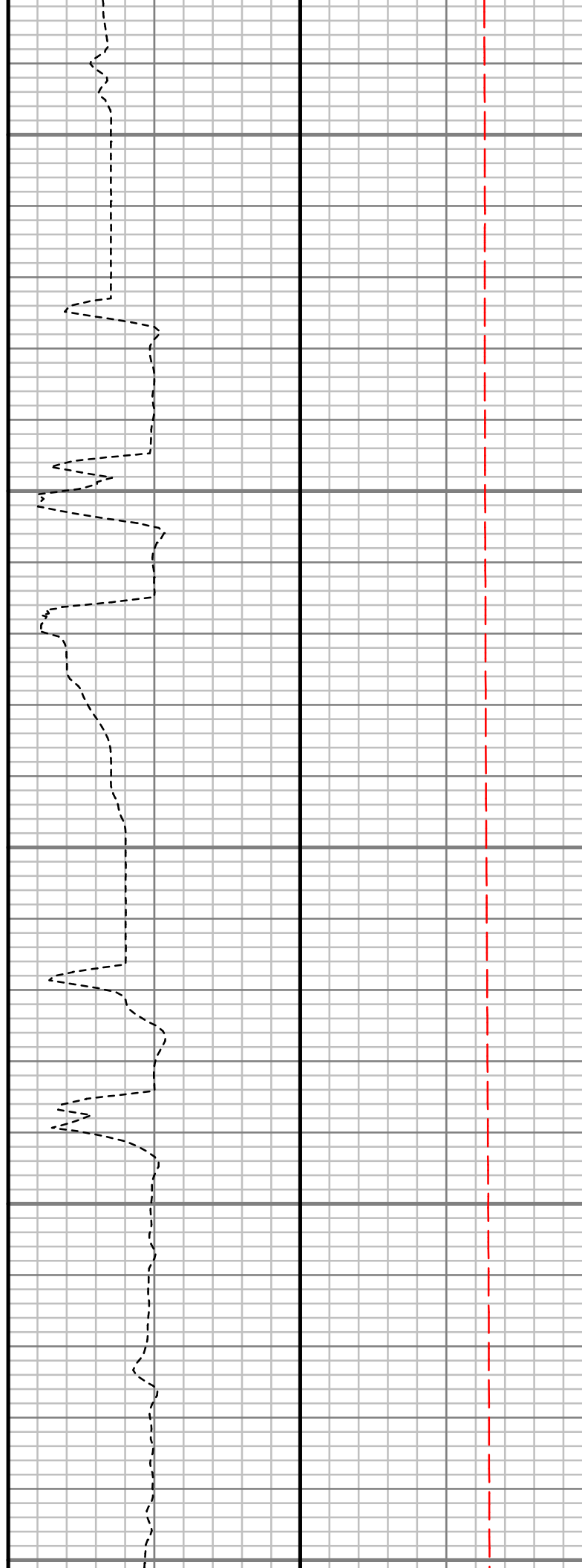
7400

7450

7500

7550

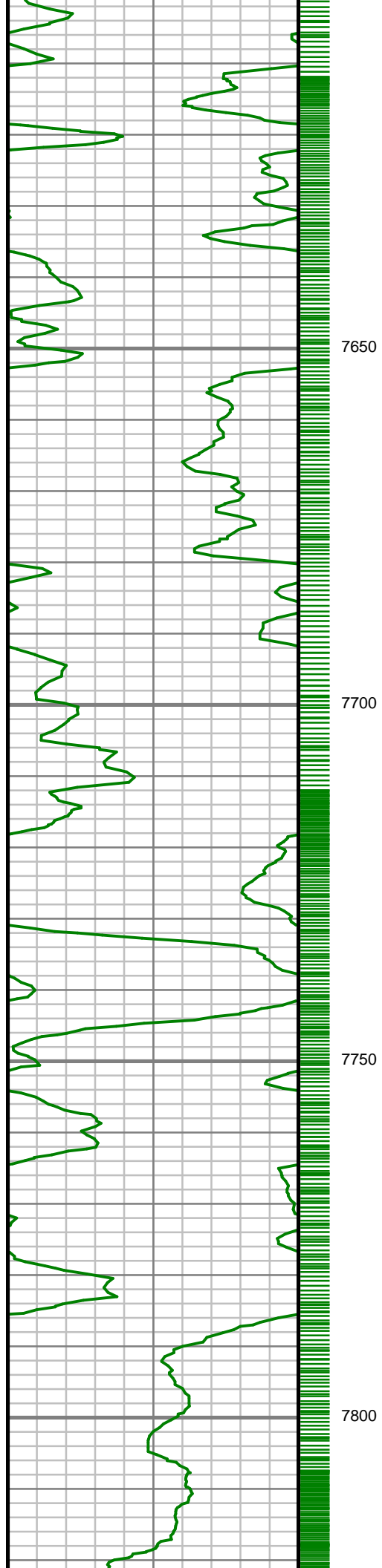
7600



S: 77 MD: 7382.00 ft
Inc: 45.47 deg Az:
268.71 deg TVD:
6925.41 ft

S: 78 MD: 7477.00 ft
Inc: 53.17 deg Az:
269.35 deg TVD:
6987.29 ft

S: 79 MD: 7572.00 ft
Inc: 59.13 deg Az:
269.20 deg TVD:
7040.19 ft

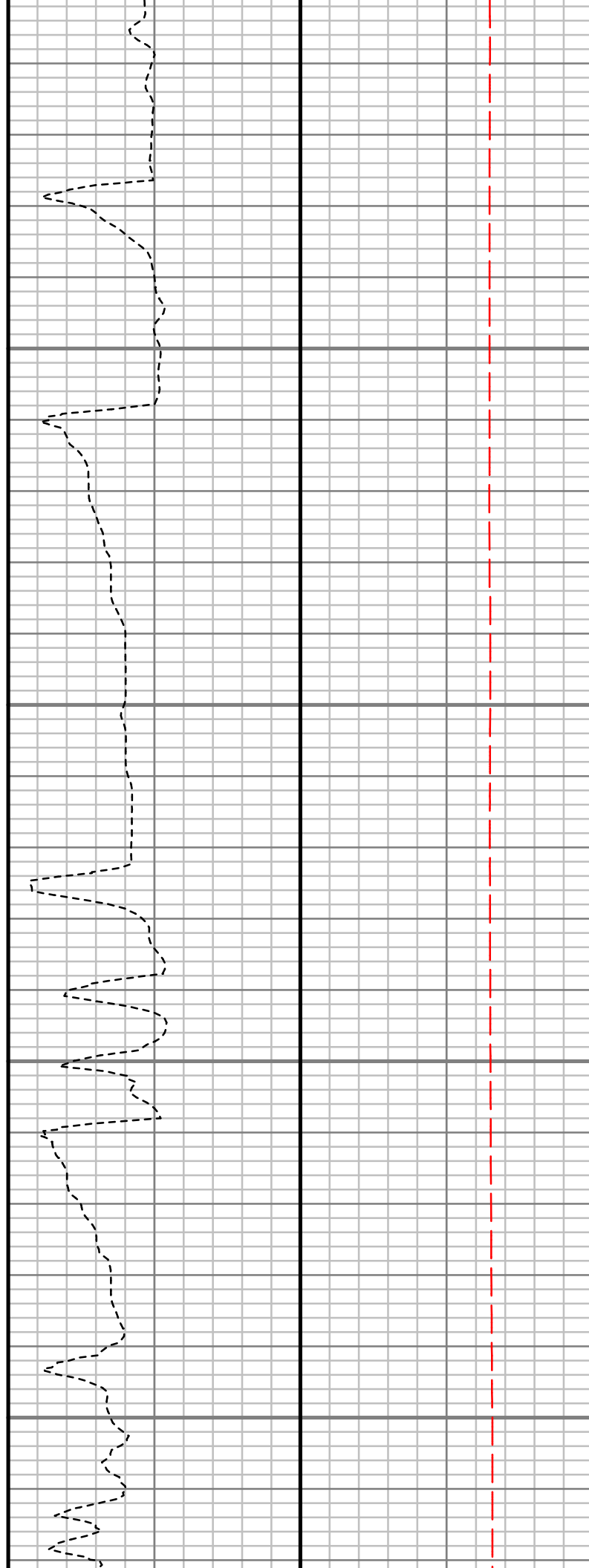


7650

7700

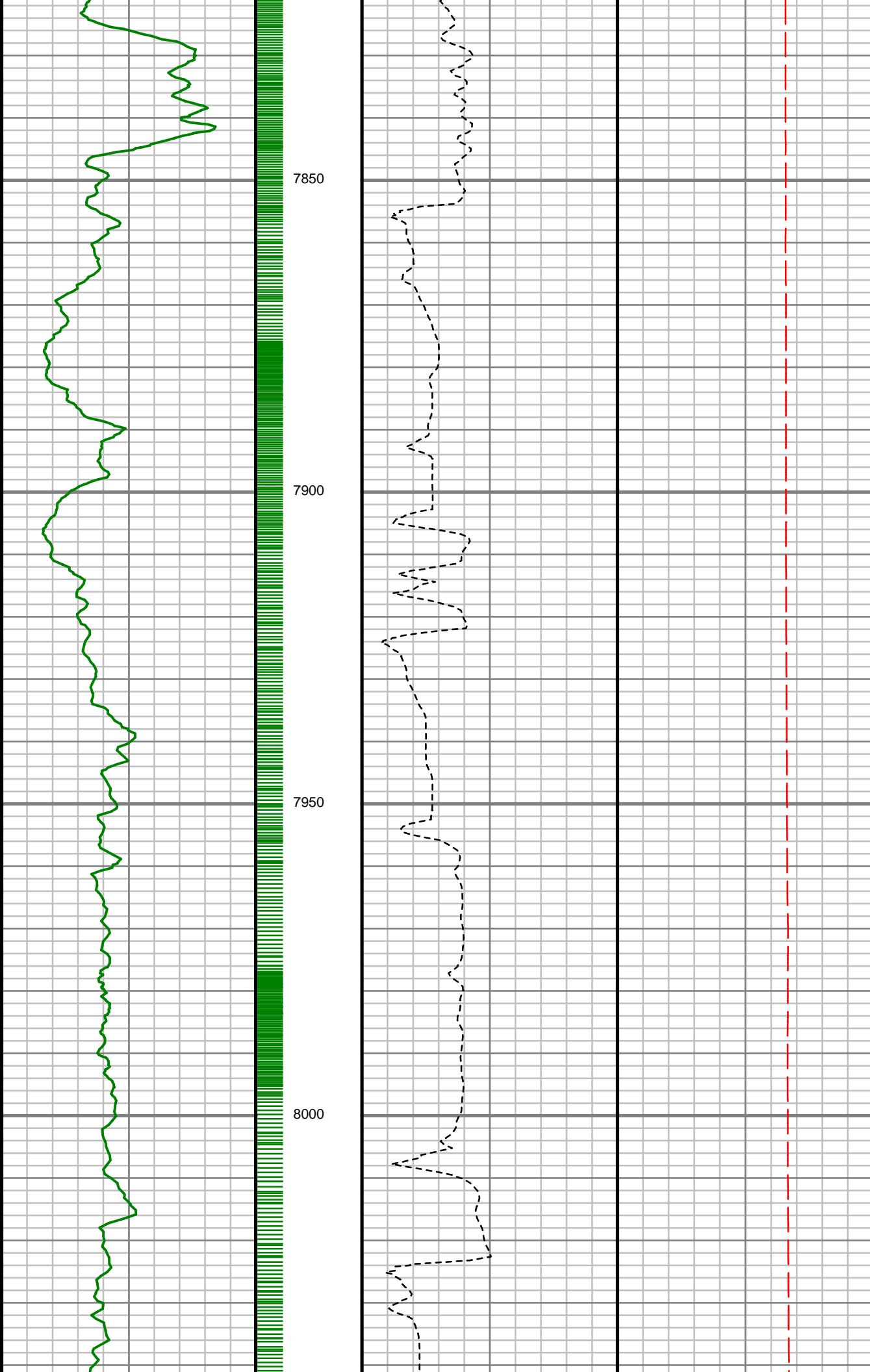
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7800



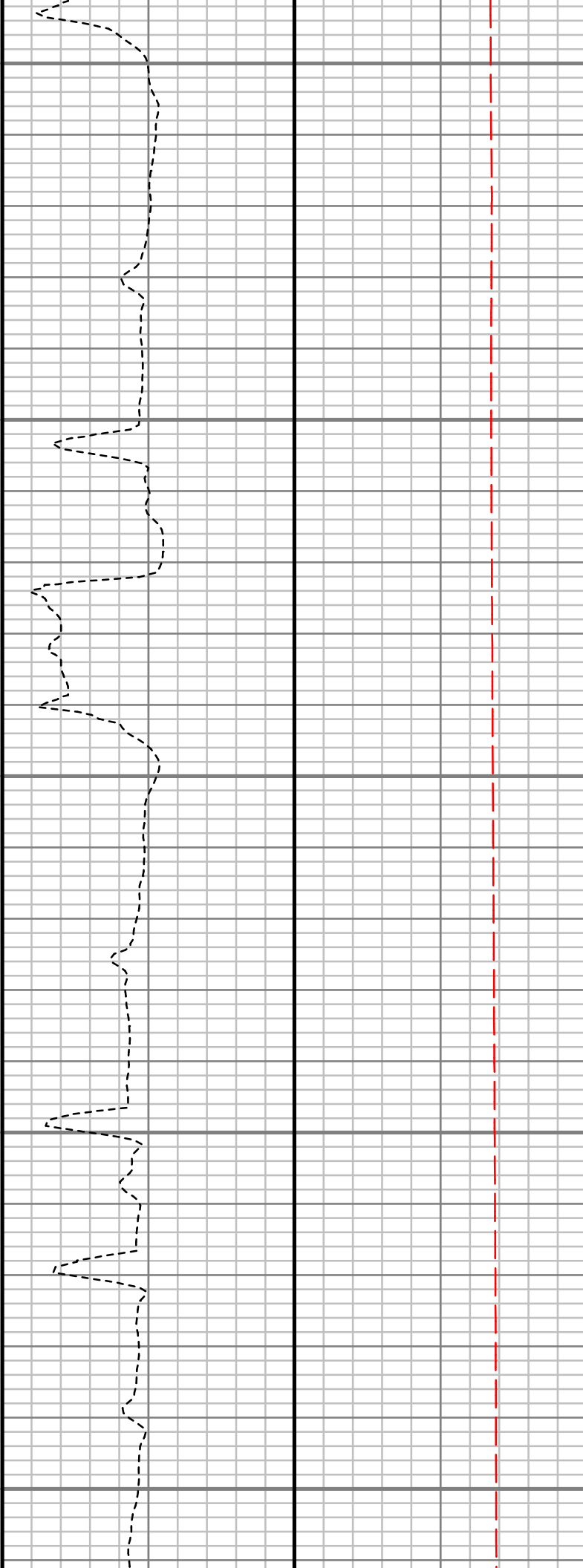
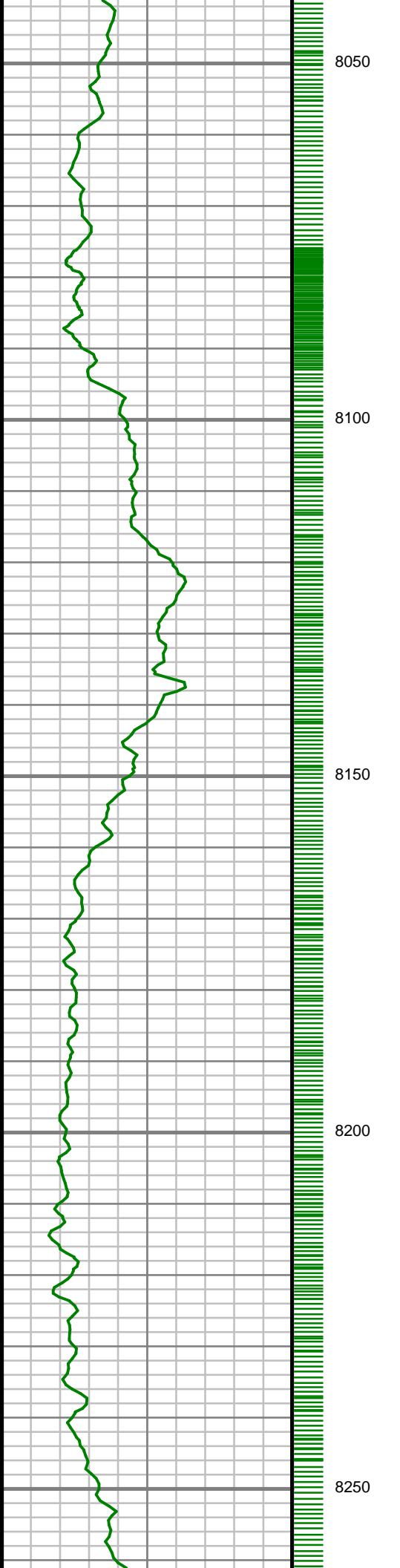
S: 80 MD: 7667.00 ft
Inc: 59.74 deg Az:
269.93 deg TVD:
7088.50 ft

S: 81 MD: 7761.00 ft
Inc: 71.23 deg Az:
270.63 deg TVD:
7127.44 ft



S: 82 MD: 7856.00 ft
Inc: 77.07 deg Az:
271.96 deg TVD:
7153.38 ft

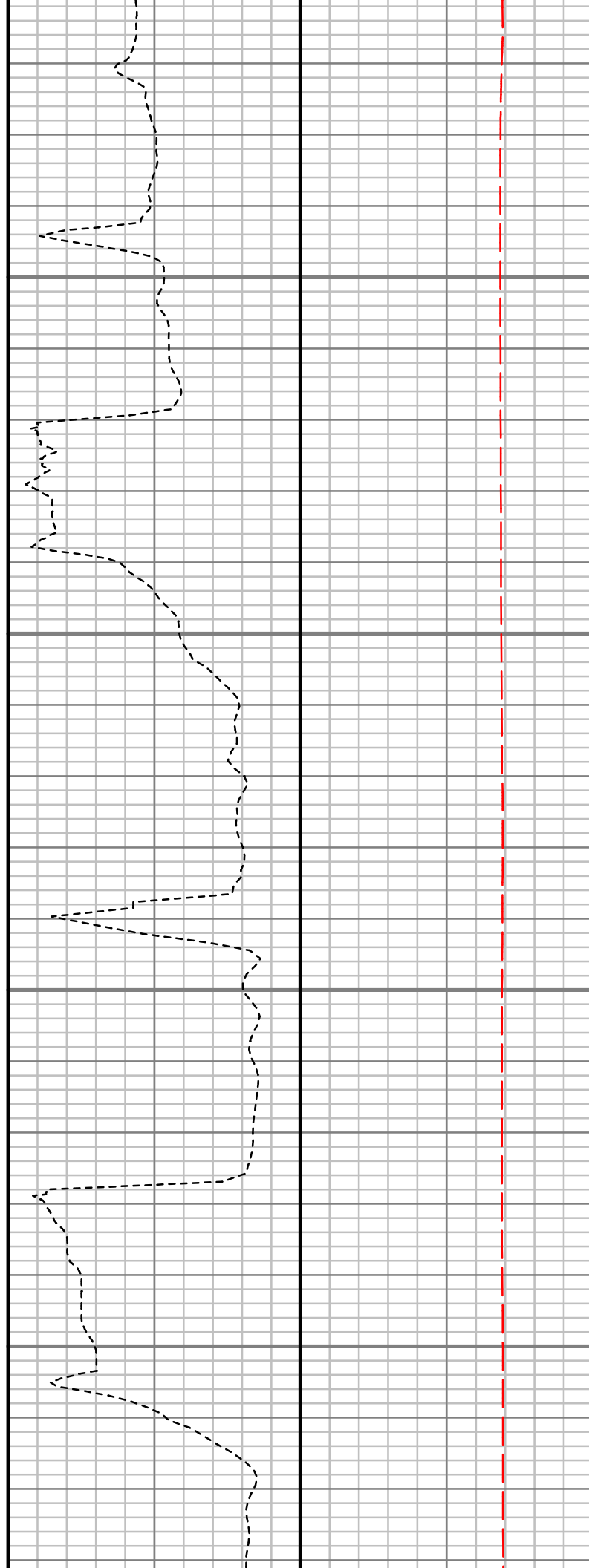
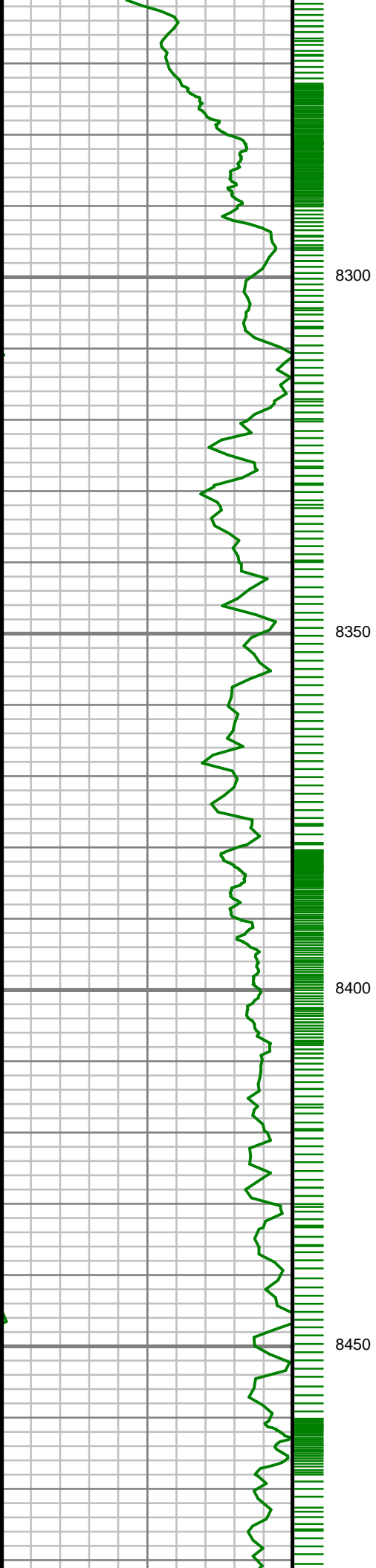
S: 83 MD: 7952.00 ft
Inc: 88.96 deg Az:
270.34 deg TVD:
7165.04 ft



S: 84 MD: 8046.00 ft
Inc: 87.75 deg Az:
269.74 deg TVD:
7167.74 ft

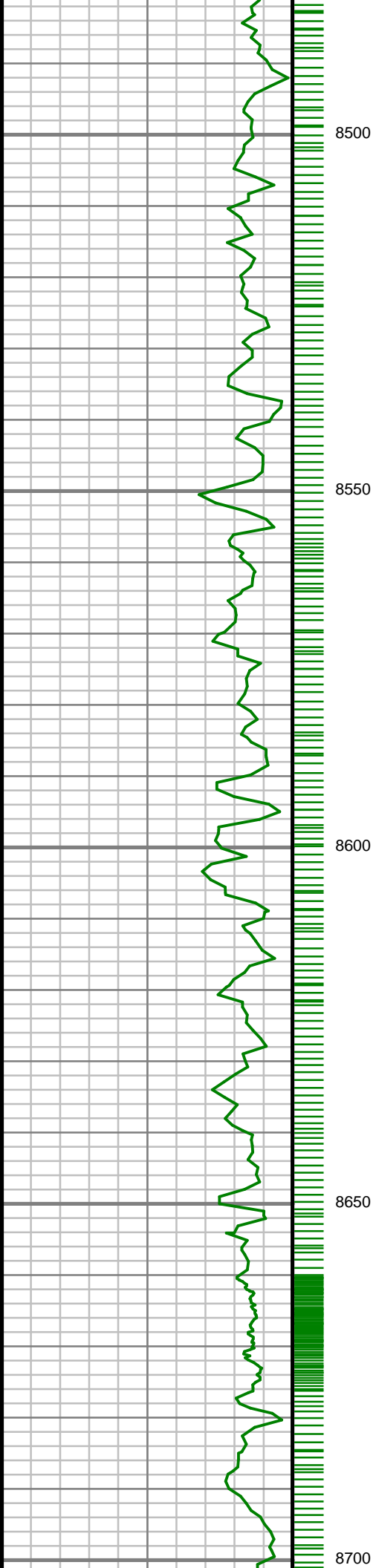
S: 85 MD: 8141.00 ft
Inc: 87.31 deg Az:
271.80 deg TVD:
7171.84 ft

S: 86 MD: 8236.00 ft
Inc: 87.21 deg Az:
271.81 deg TVD:
7176.38 ft



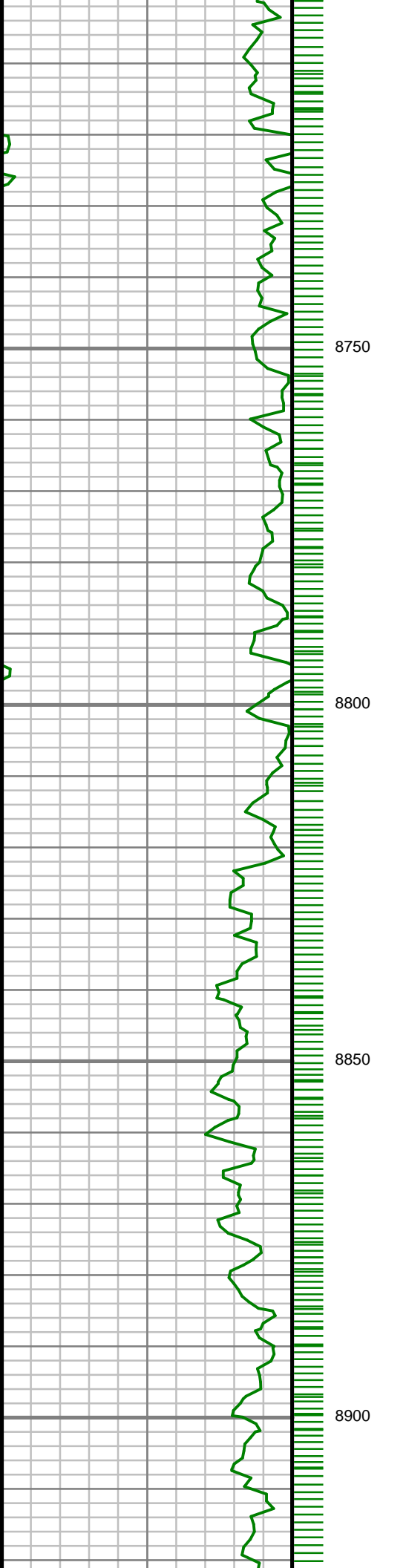
S: 87 MD: 8331.00 ft
Inc: 86.44 deg Az:
271.96 deg TVD:
7181.64 ft

S: 88 MD: 8425.00 ft
Inc: 87.58 deg Az:
273.00 deg TVD:
7186.54 ft



S: 89 MD: 8520.00 ft
Inc: 89.93 deg Az:
272.73 deg TVD:
7188.59 ft

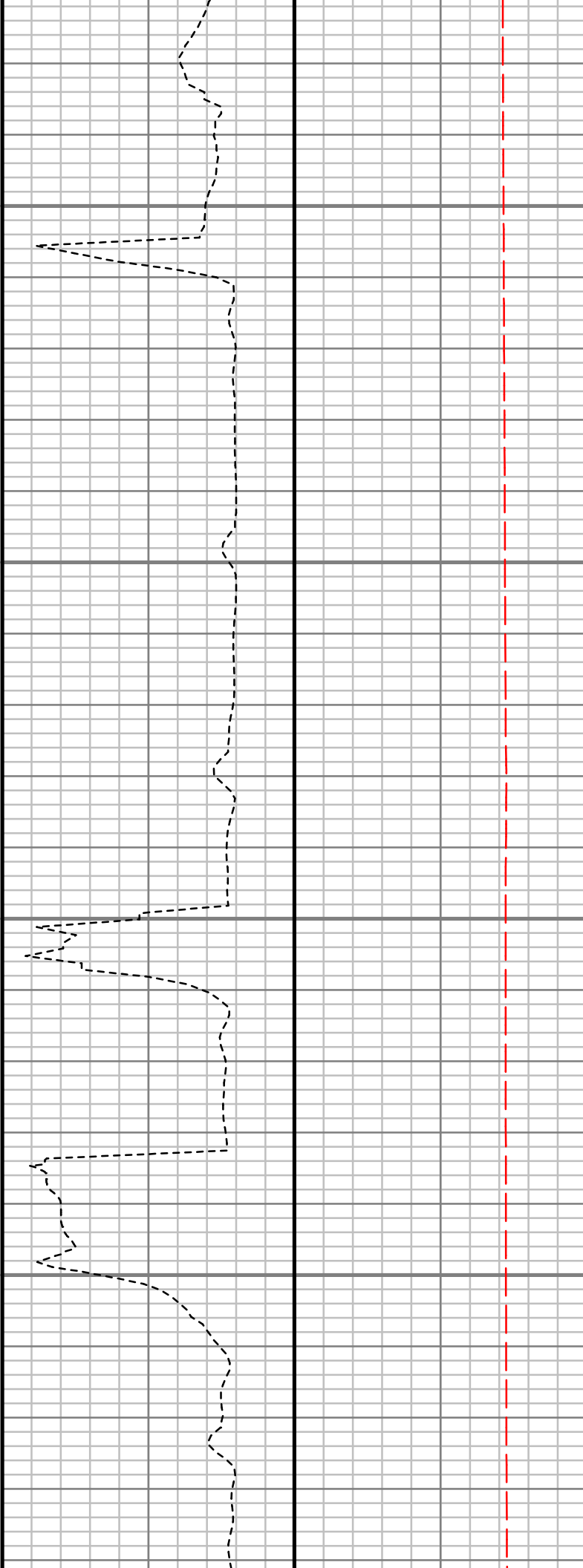
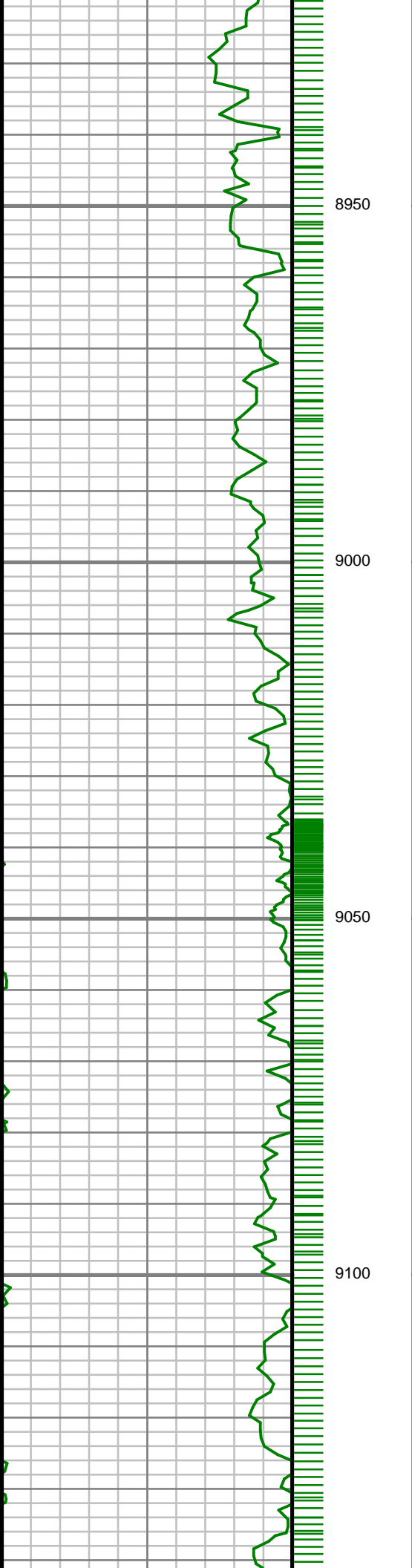
S: 90 MD: 8614.00 ft
Inc: 89.09 deg Az:
272.31 deg TVD:
7189.39 ft



S: 91 MD: 8708.00 ft
Inc: 88.89 deg Az:
272.70 deg TVD:
7191.04 ft

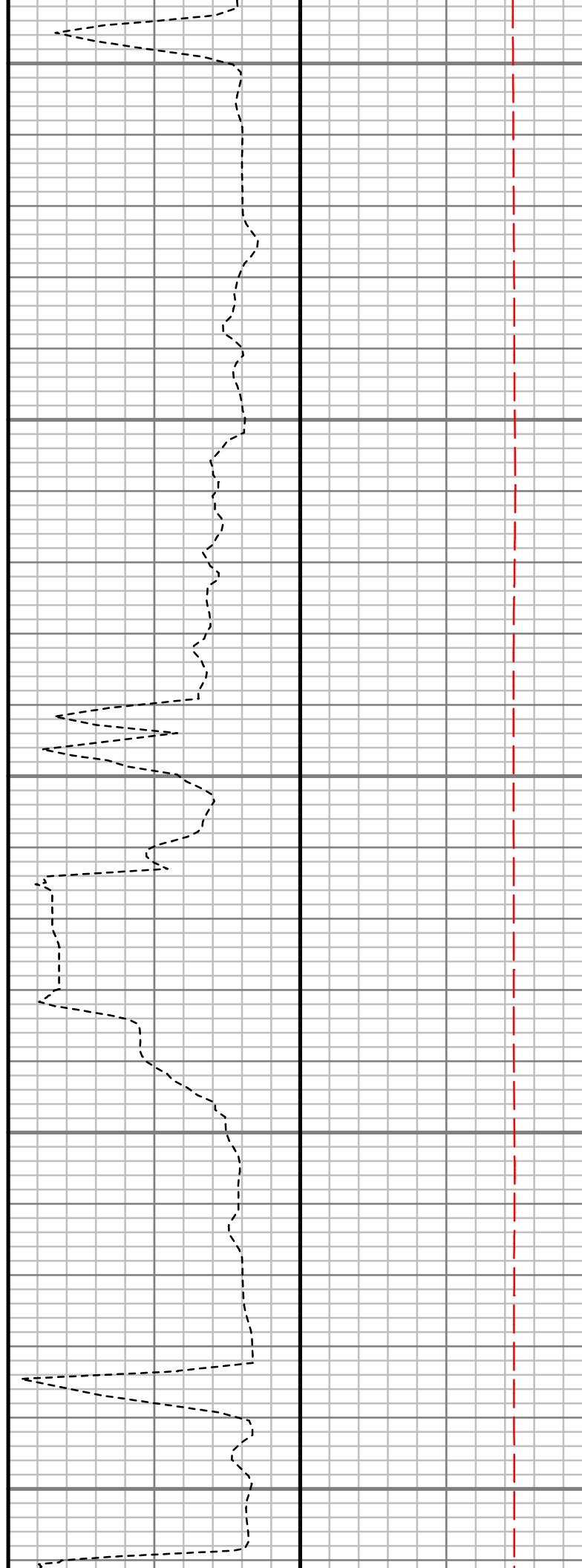
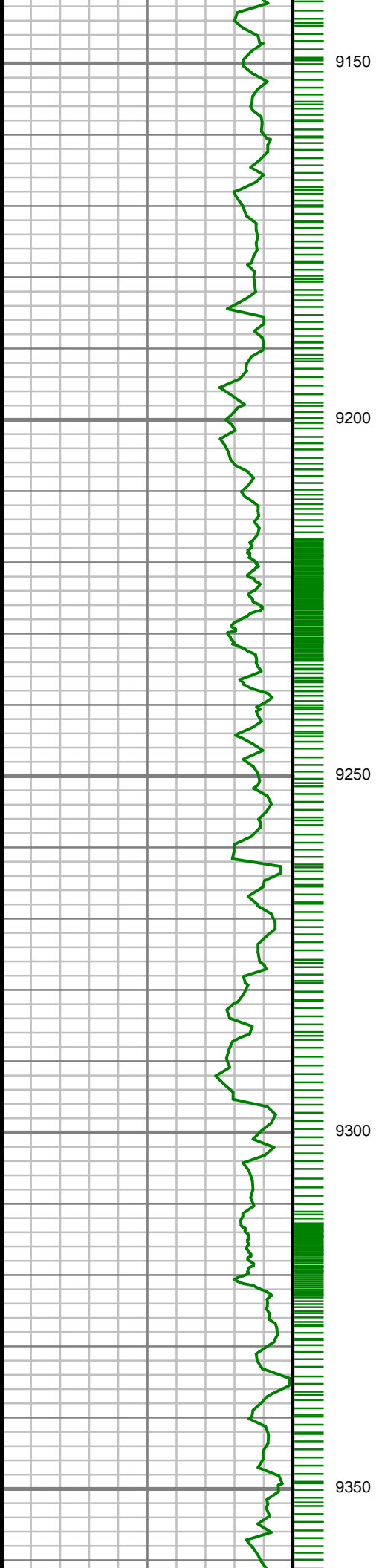
S: 92 MD: 8803.00 ft
Inc: 90.77 deg Az:
274.60 deg TVD:
7191.32 ft

S: 93 MD: 8898.00 ft
Inc: 89.83 deg Az:
273.79 deg TVD:
7190.82 ft



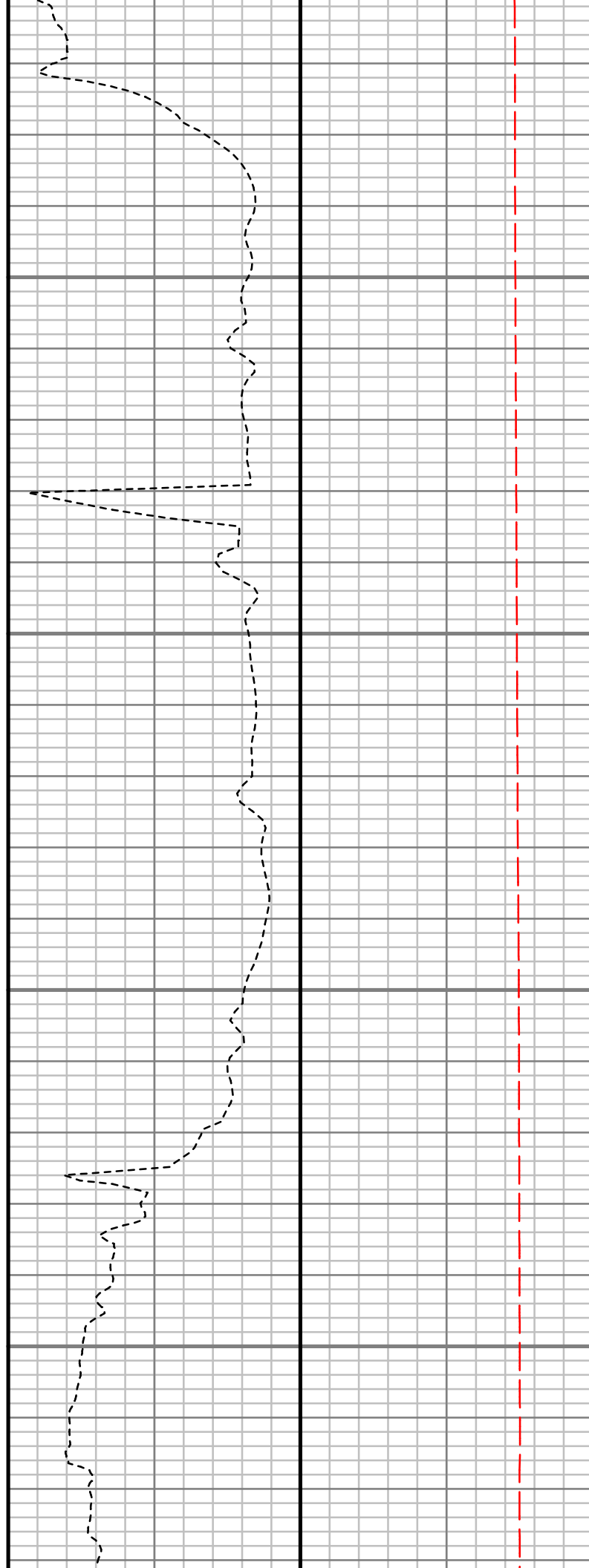
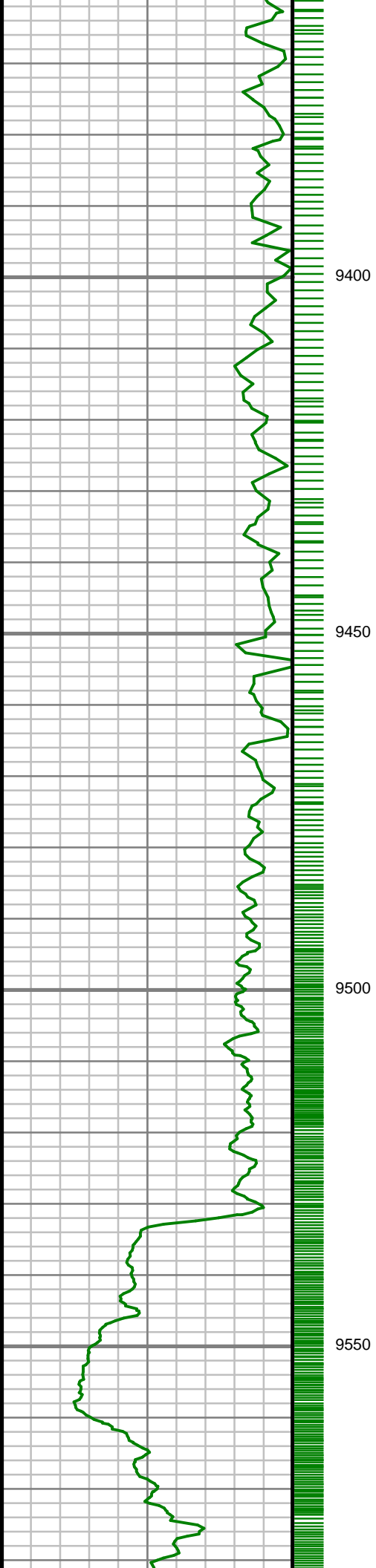
S: 94 MD: 8993.00 ft
Inc: 89.16 deg Az:
273.20 deg TVD:
7191.65 ft

S: 95 MD: 9088.00 ft
Inc: 91.28 deg Az:
274.43 deg TVD:
7191.29 ft



S: 96 MD: 9182.00 ft
Inc: 92.76 deg Az:
275.89 deg TVD:
7187.98 ft

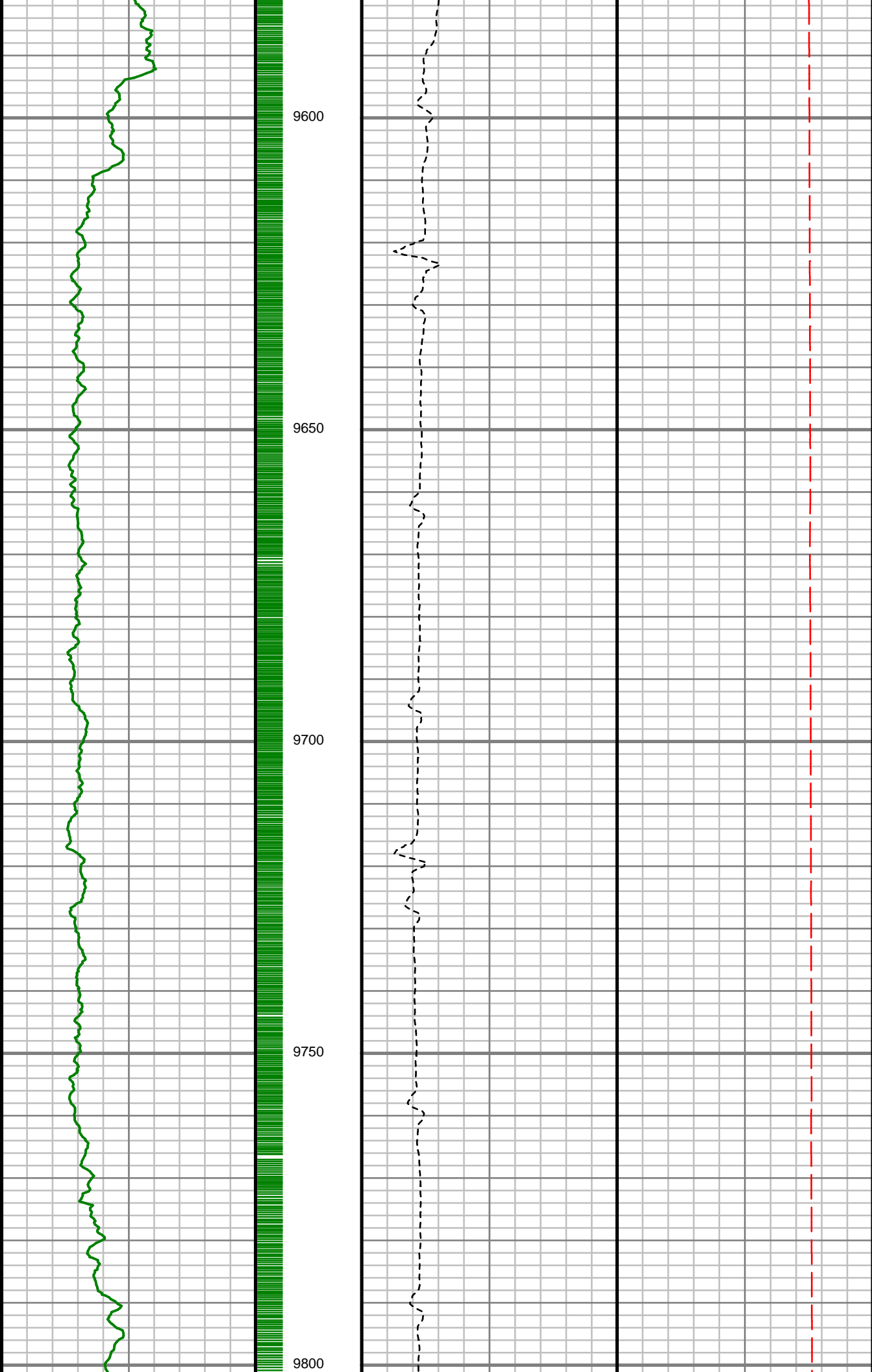
S: 97 MD: 9278.00 ft
Inc: 88.72 deg Az:
273.91 deg TVD:
7186.74 ft



S: 98 MD: 9372.00 ft
Inc: 89.50 deg Az:
274.42 deg TVD:
7188.20 ft

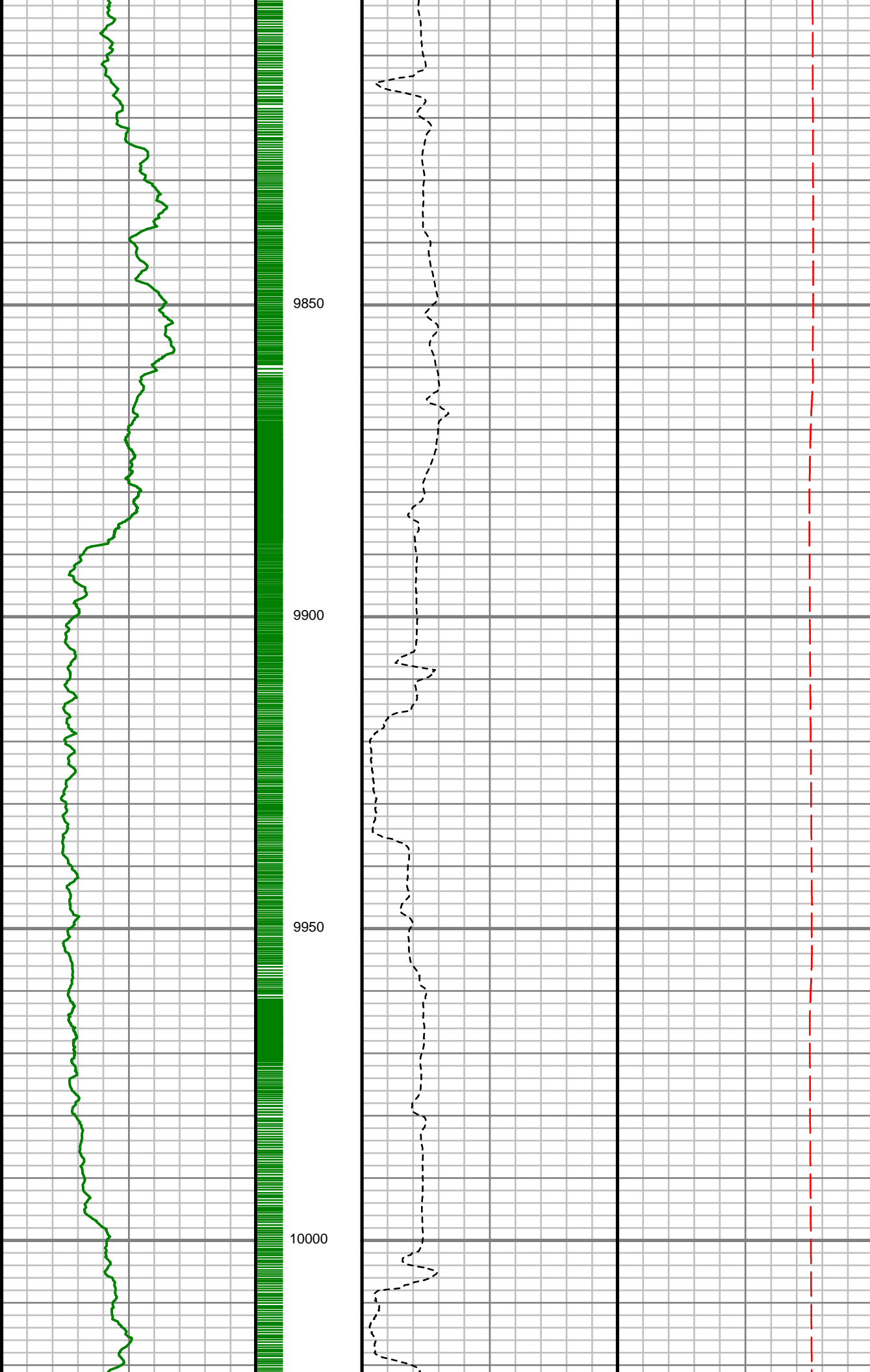
S: 99 MD: 9468.00 ft
Inc: 89.87 deg Az:
274.11 deg TVD:
7188.73 ft

S: 100 MD: 9564.00 ft
Inc: 89.53 deg Az:
273.34 deg TVD:
7189.24 ft



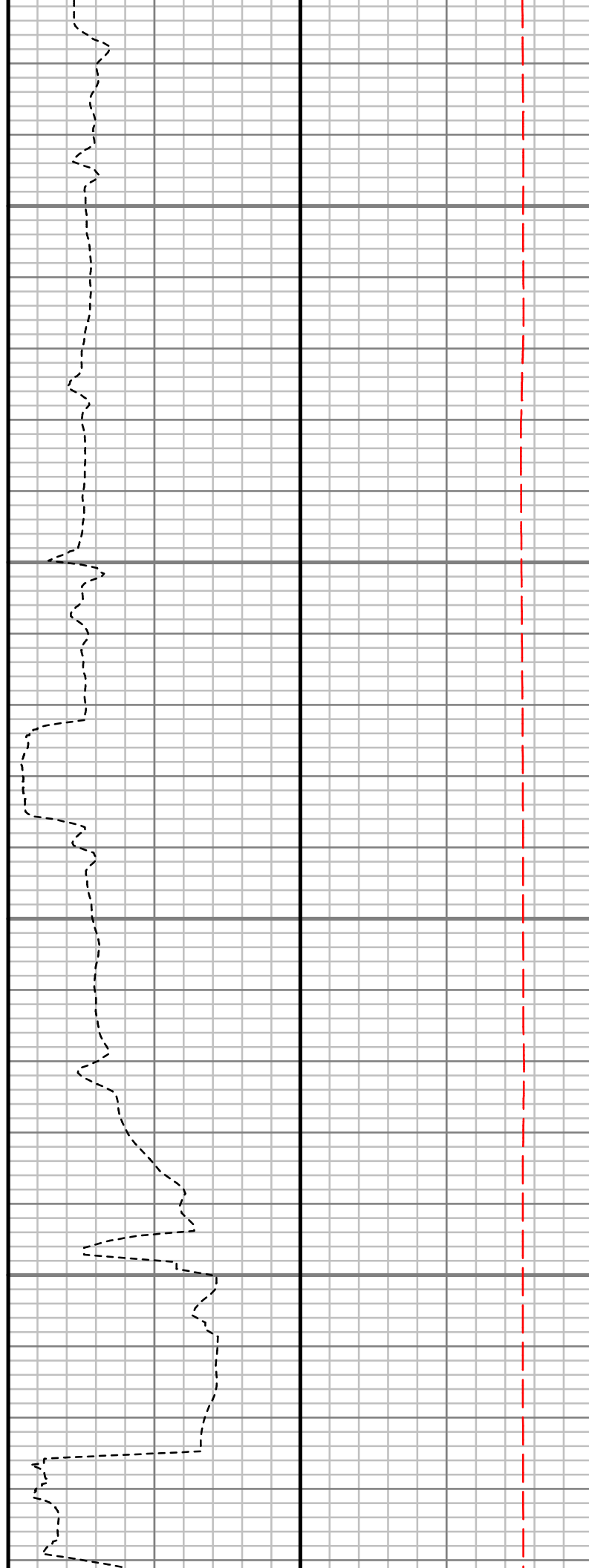
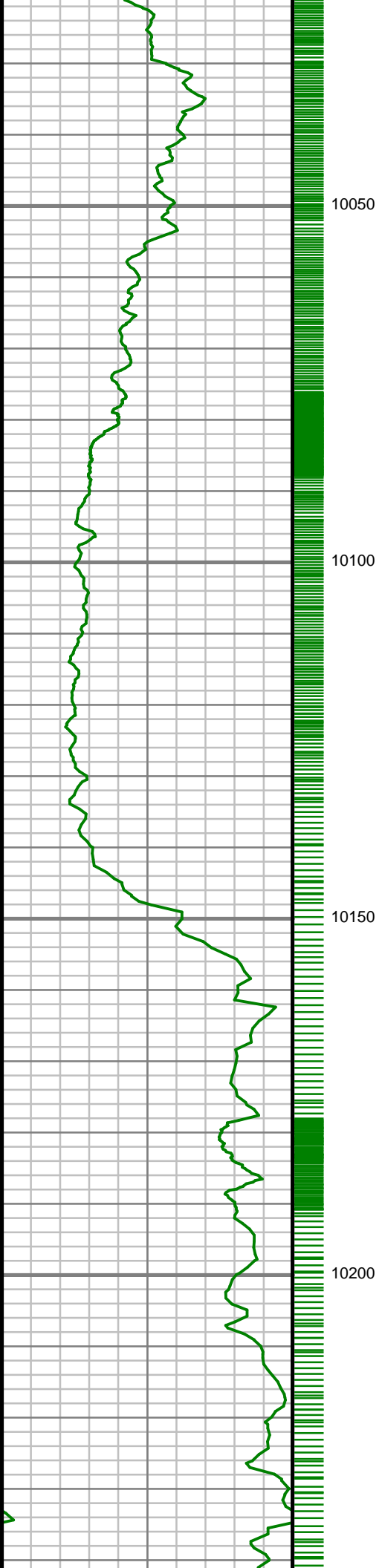
S: 101 MD: 9659.00 ft
Inc: 90.64 deg Az:
273.21 deg TVD:
7189.10 ft

S: 102 MD: 9755.00 ft
Inc: 90.97 deg Az:
272.88 deg TVD:
7187.75 ft



S: 103 MD: 9850.00 ft
Inc: 91.95 deg Az:
273.02 deg TVD:
7185.33 ft

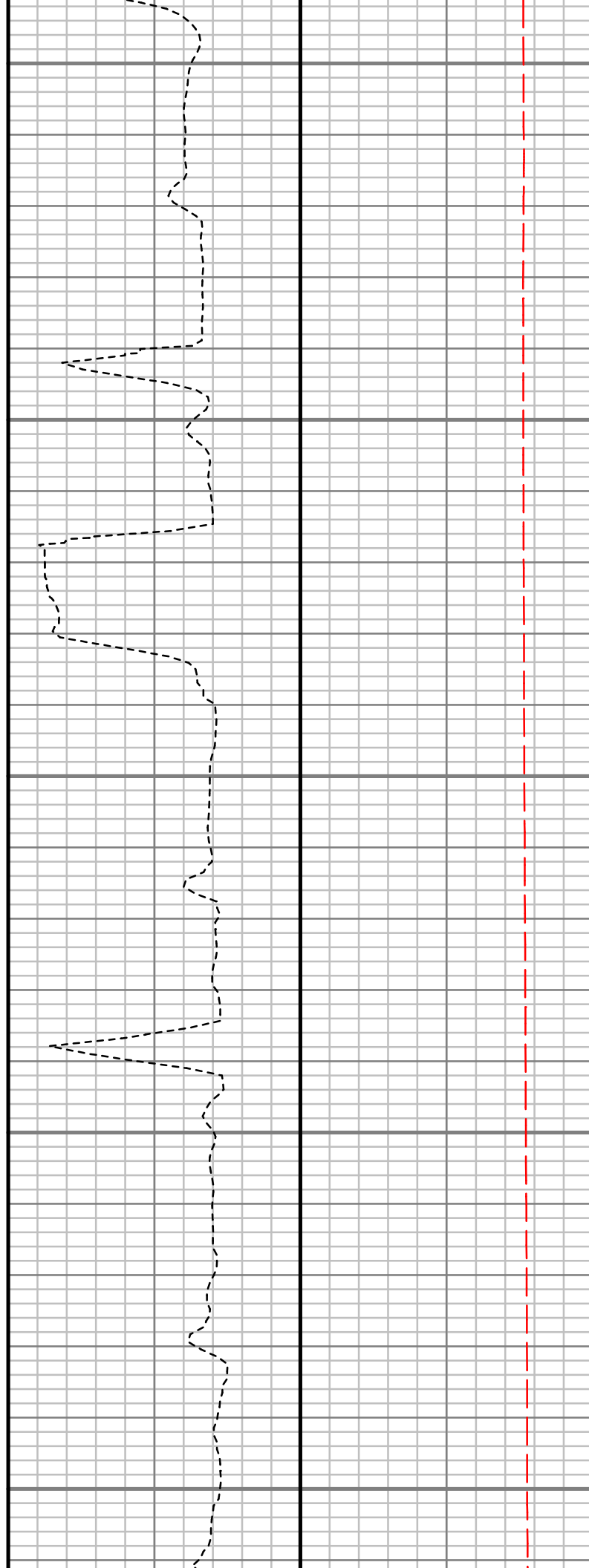
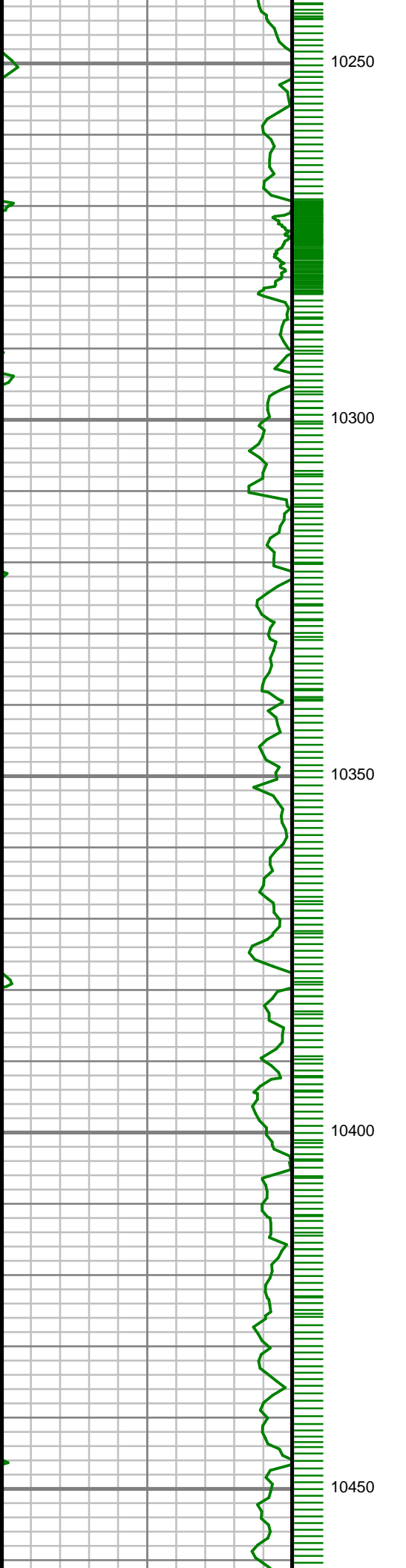
S: 104 MD: 9945.00 ft
Inc: 89.19 deg Az:
273.53 deg TVD:
7184.39 ft



S: 105 MD: 10040.00 ft
Inc: 88.19 deg Az:
274.03 deg TVD:
7186.56 ft

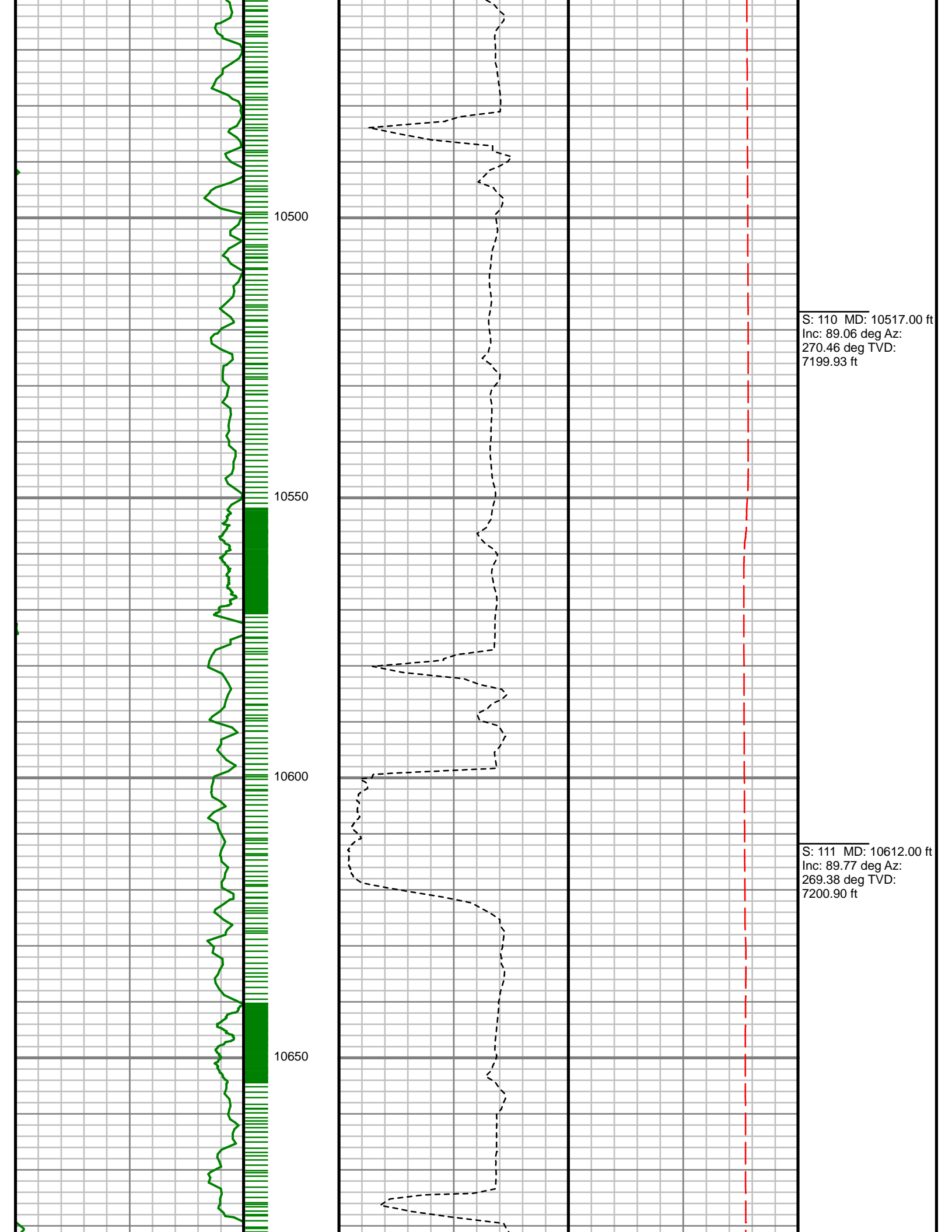
S: 106 MD: 10136.00 ft
Inc: 86.37 deg Az:
274.64 deg TVD:
7191.11 ft

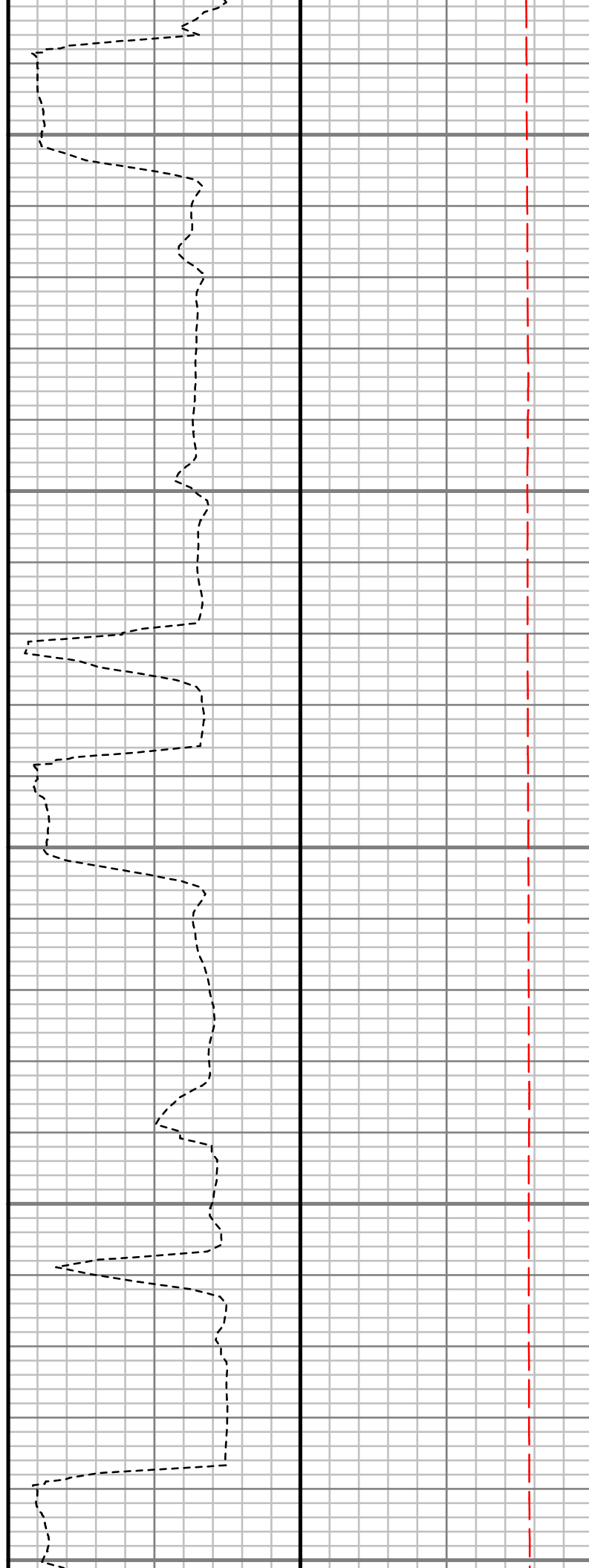
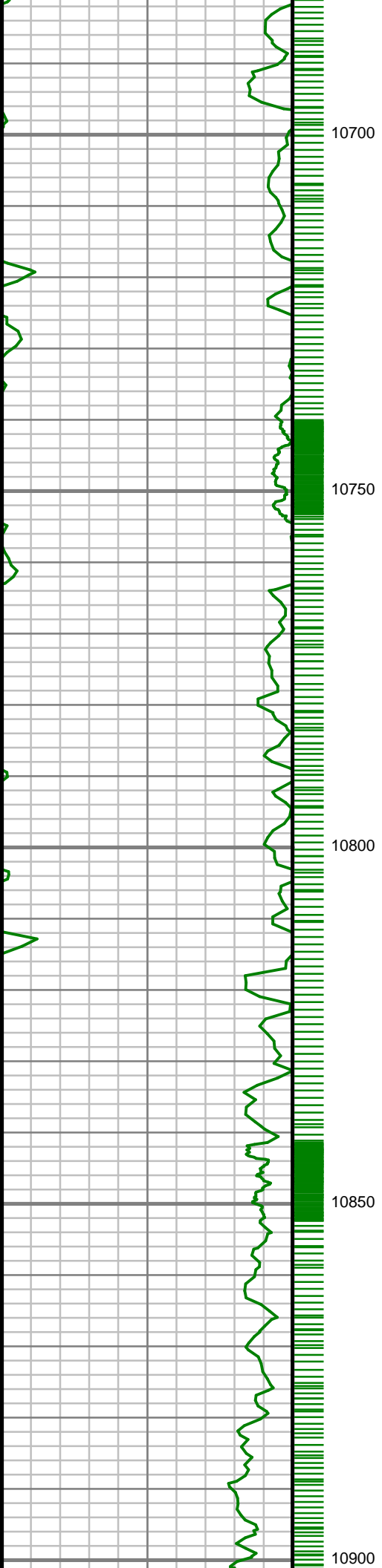
S: 107 MD: 10231.00 ft
Inc: 87.58 deg Az:
273.77 deg TVD:
7196.12 ft



S: 108 MD: 10327.00 ft
Inc: 89.36 deg Az:
272.56 deg TVD:
7198.68 ft

S: 109 MD: 10422.00 ft
Inc: 90.03 deg Az:
271.91 deg TVD:
7199.18 ft

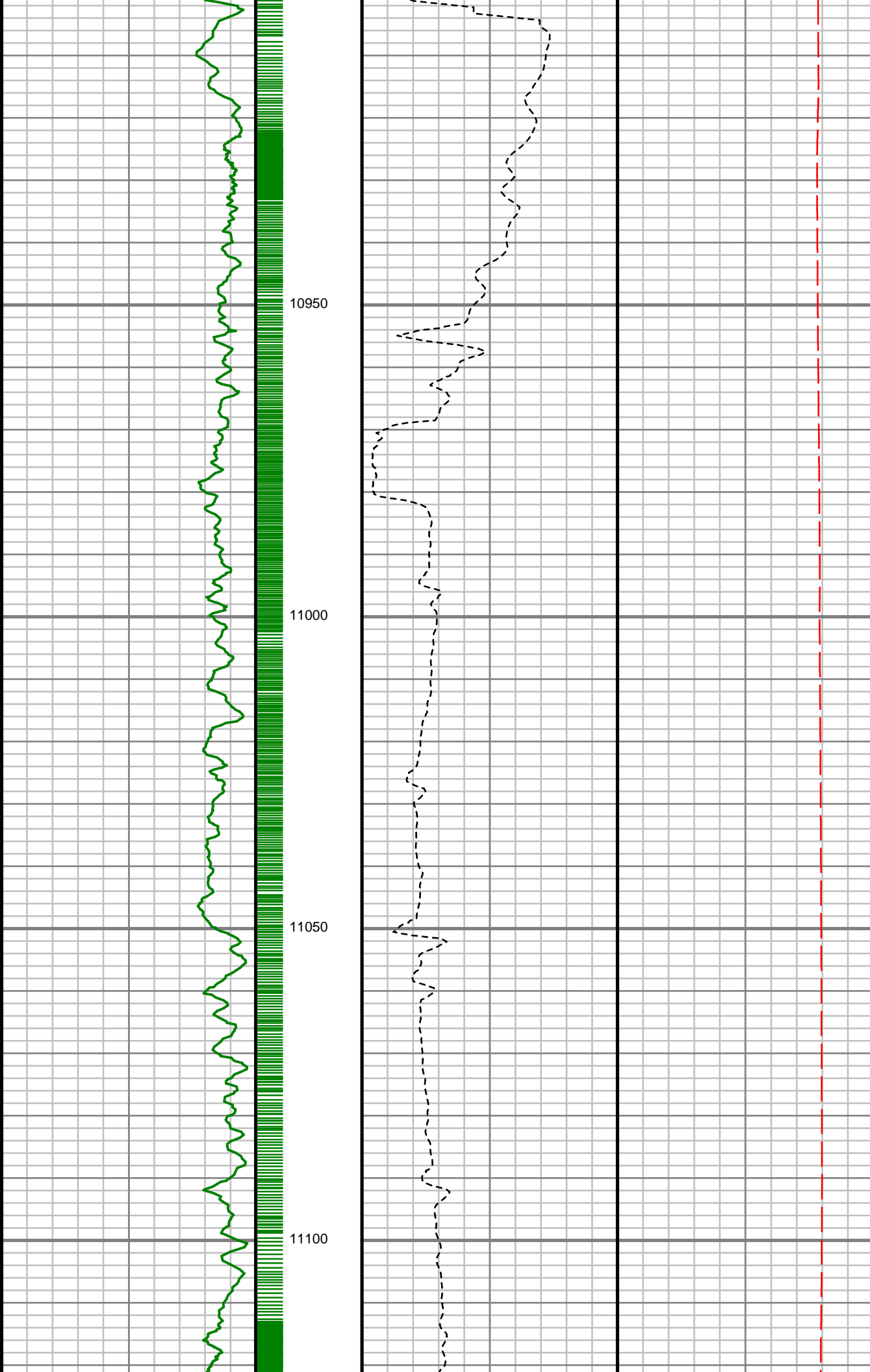




S: 112 MD: 10707.00 ft
Inc: 90.27 deg Az:
270.34 deg TVD:
7200.87 ft

S: 113 MD: 10802.00 ft
Inc: 90.07 deg Az:
271.12 deg TVD:
7200.60 ft

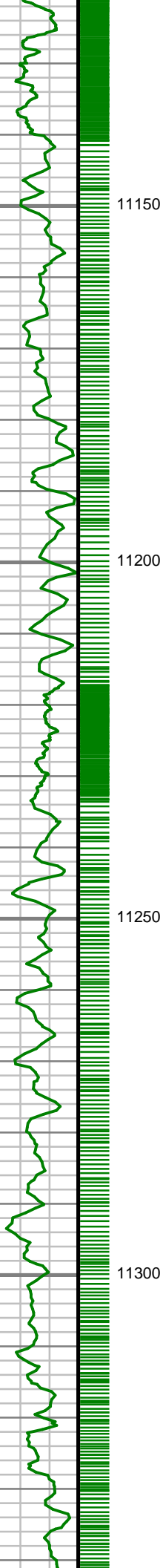
S: 114 MD: 10897.00 ft
Inc: 91.64 deg Az:



271.94 deg TVD:
7199.18 ft

S: 115 MD: 10992.00 ft
Inc: 88.59 deg Az:
270.79 deg TVD:
7198.99 ft

S: 116 MD: 11088.00 ft
Inc: 86.53 deg Az:
270.29 deg TVD:
7203.07 ft

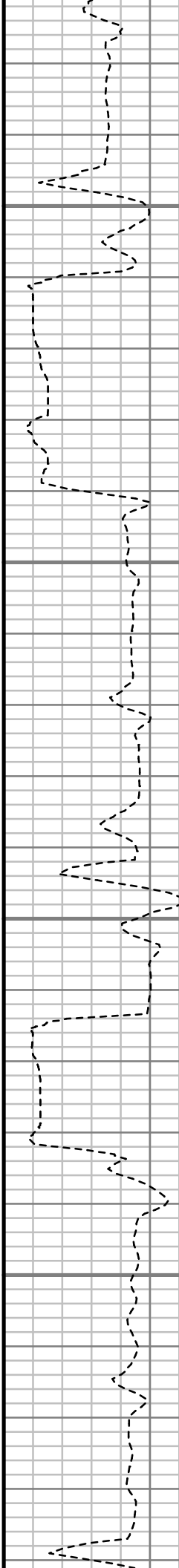


11150

11200

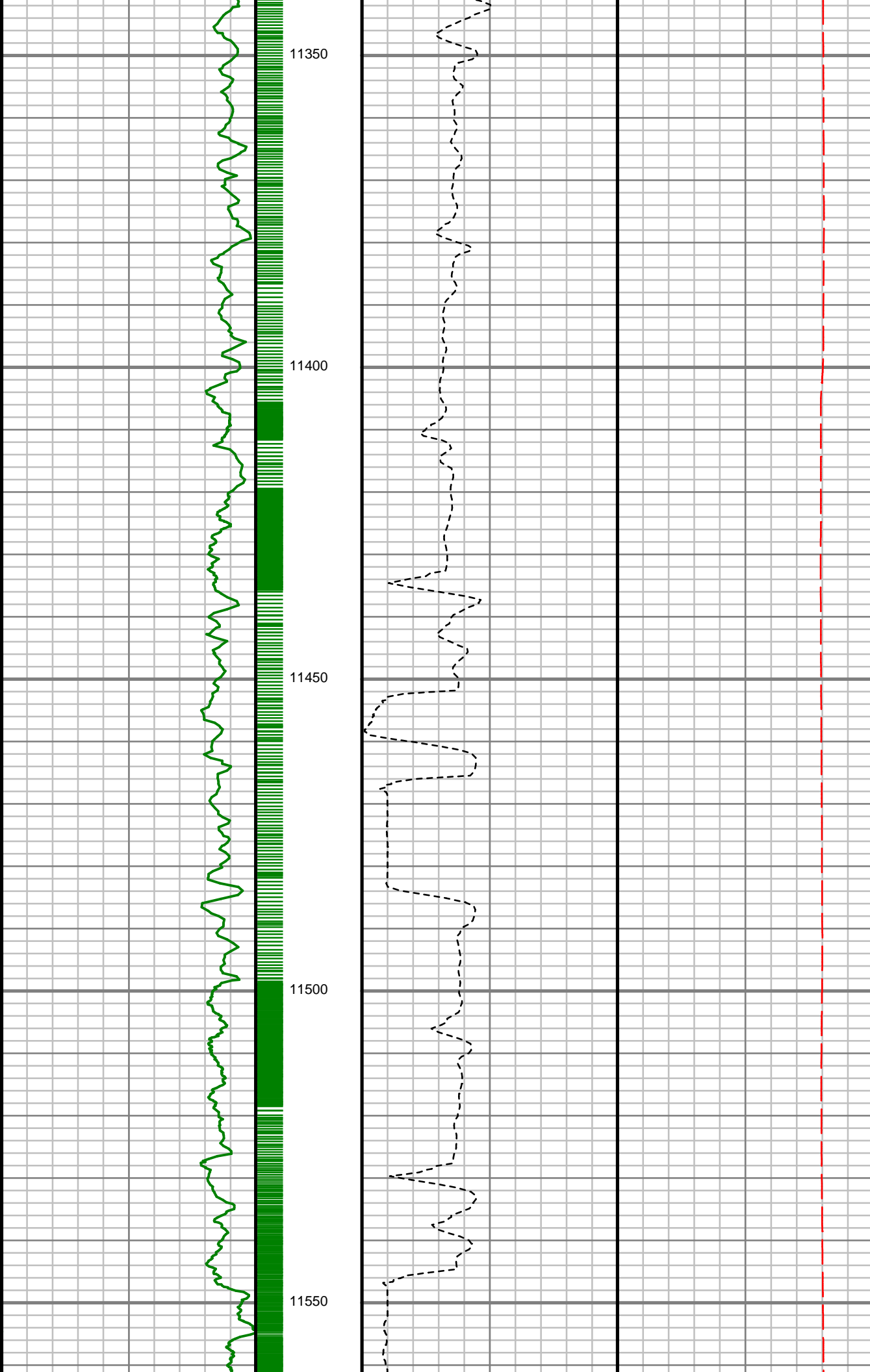
11250

11300



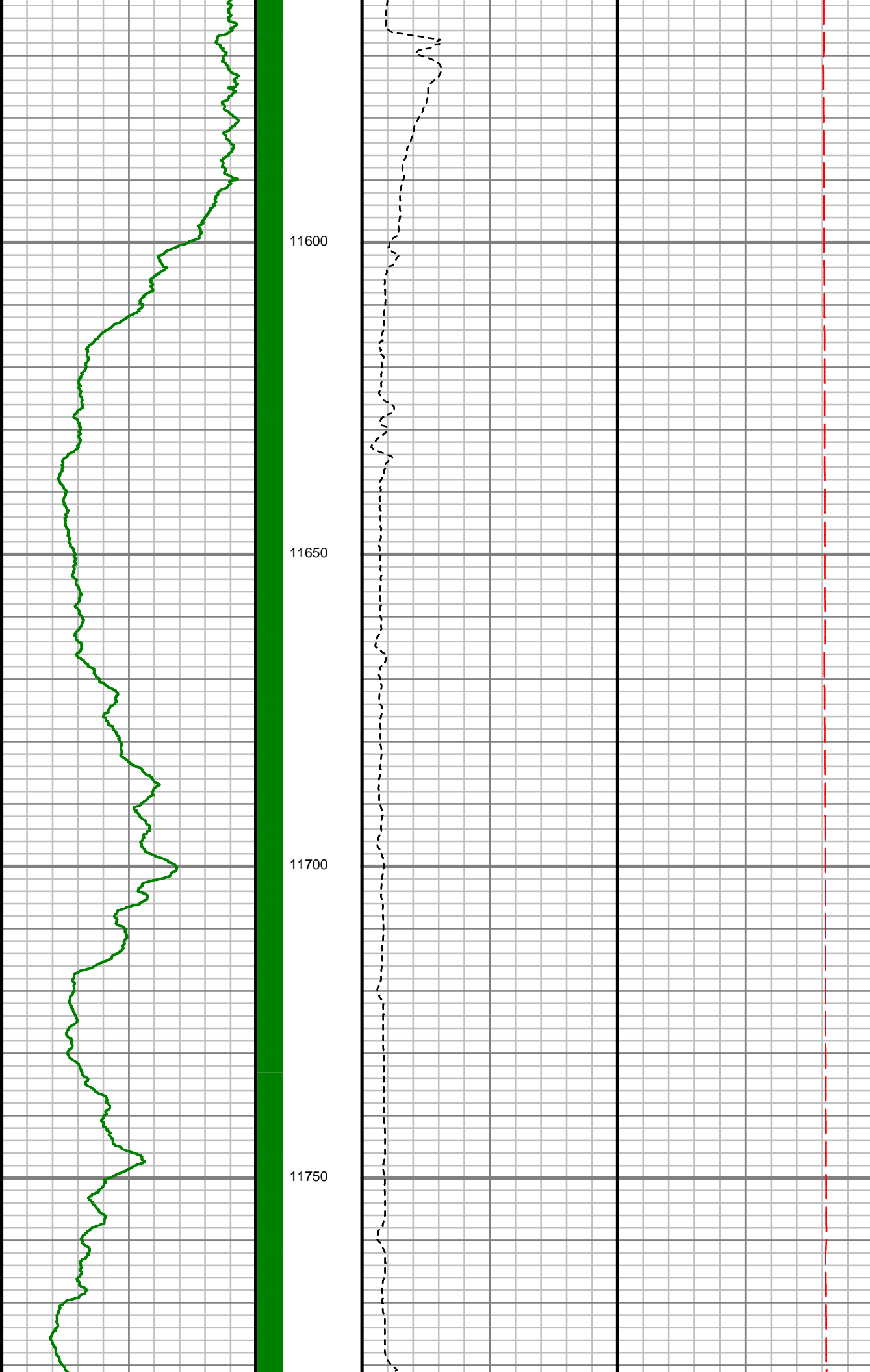
S: 117 MD: 11183.00 ft
Inc: 87.21 deg Az:
272.42 deg TVD:
7208.25 ft

S: 118 MD: 11279.00 ft
Inc: 89.93 deg Az:
274.30 deg TVD:
7210.65 ft



S: 119 MD: 11374.00 ft
Inc: 87.62 deg Az:
274.12 deg TVD:
7212.68 ft

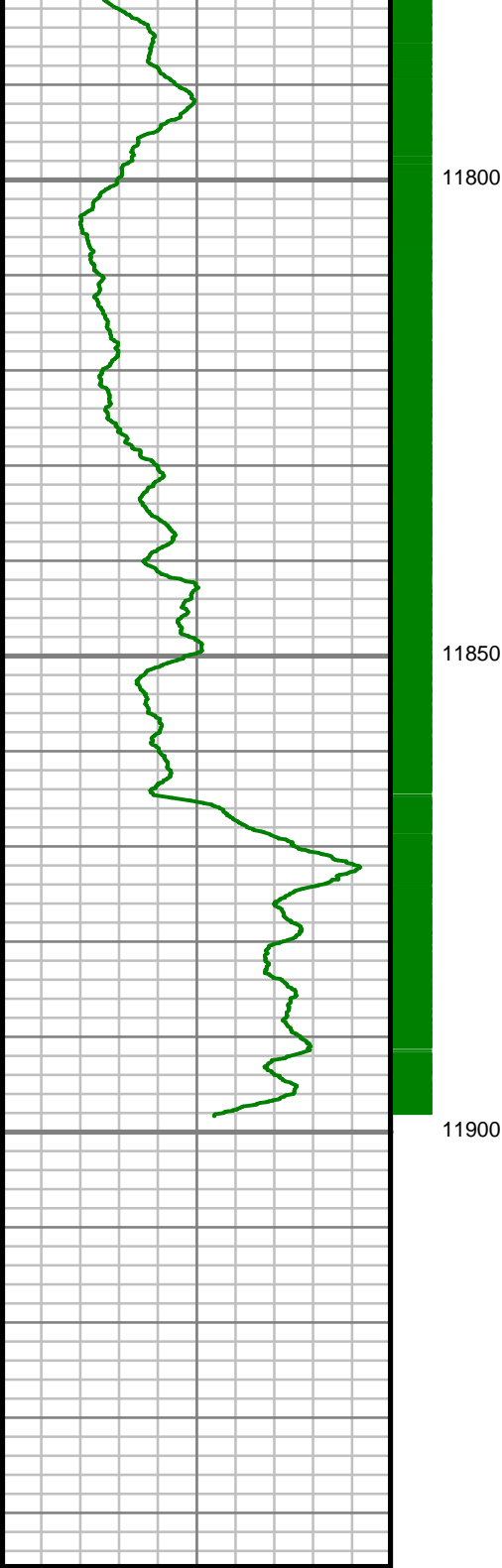
S: 120 MD: 11469.00 ft
Inc: 86.71 deg Az:
273.31 deg TVD:
7217.38 ft



S: 121 MD: 11564.00 ft
Inc: 89.93 deg Az:
273.63 deg TVD:
7220.16 ft

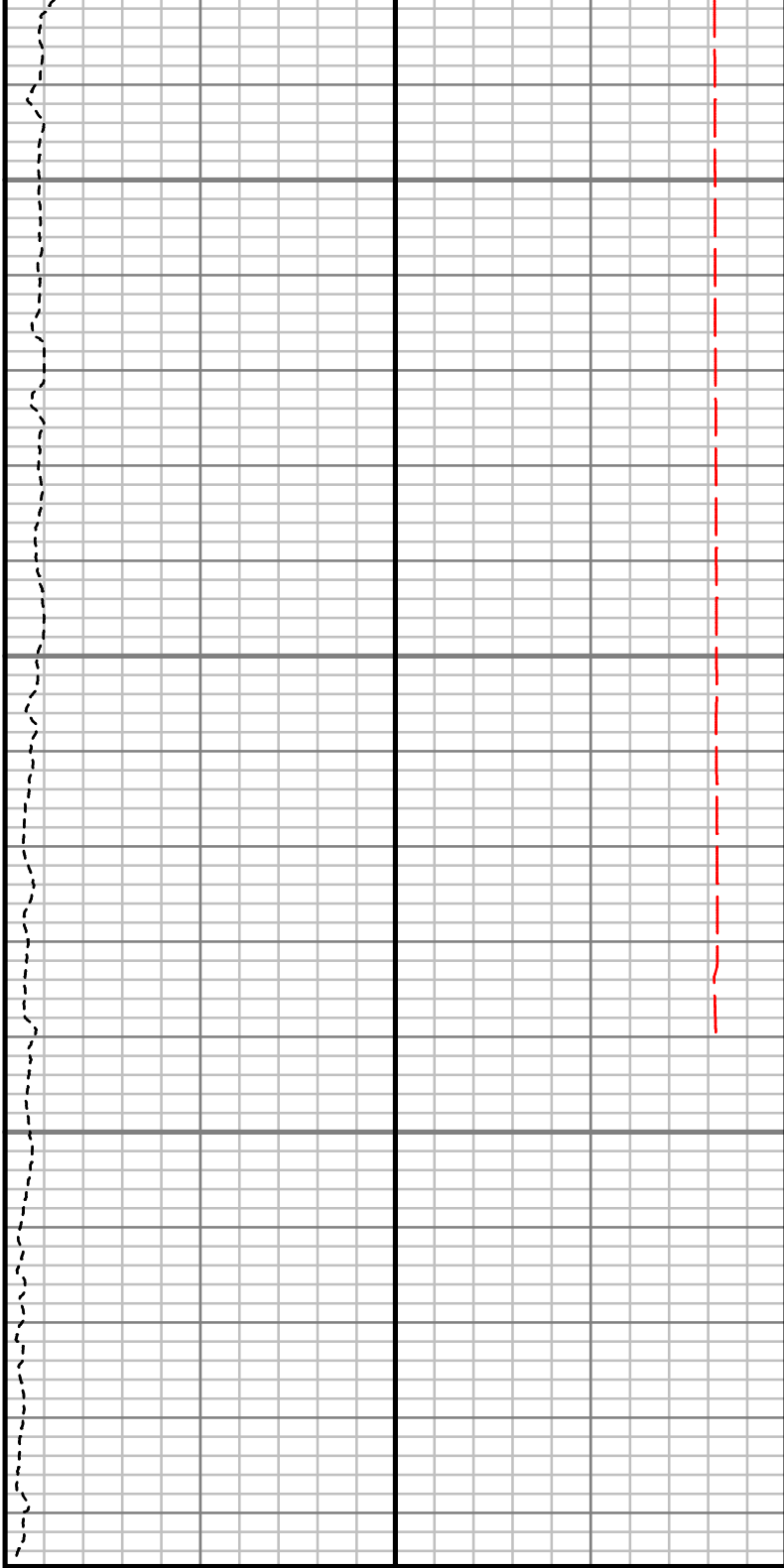
S: 122 MD: 11659.00 ft
Inc: 89.06 deg Az:
273.15 deg TVD:
7220.99 ft

S: 123 MD: 11754.00 ft
Inc: 91.04 deg Az:
272.33 deg TVD:
7220.91 ft



Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1240 (ft)



Rate of Penetration (ROP)		
0	Unit = ft/hr	1000

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

Comments

S: 124 MD: 11849.00 ft
Inc: 92.95 deg Az:
271.89 deg TVD:
7217.60 ft

MWD Survey Report

Well Location	JANSSEN
Well Name	JANSSEN 2 PRODUCTION
Survey Date	12/13/2015
Latitude	40°30'11.948"N
Longitude	104°41'17.768"W
Btotal	52633 nT
Dip	67.05 deg
Magnetic Declination	8.48 deg
North Reference	True North
Grid Correction	None
Depth Reference	RKB (24.50 ft)
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 273.03Azim (deg)
Operator(s)	J. GREGORY, M. SMITH, S. NEJAD

Well Notes

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
203.00	0.64	338.84	203.00	0.46	1.06	-0.41	0.32
295.00	1.37	0.65	294.98	0.72	2.64	-0.58	0.88
387.00	2.28	358.72	386.93	0.90	5.57	-0.61	0.99
479.00	4.65	10.30	478.76	0.57	11.07	0.02	2.67
573.00	6.70	9.35	572.29	-0.52	20.23	1.59	2.18
668.00	8.51	8.00	666.45	-1.74	32.66	3.47	1.91
762.00	9.63	11.32	759.28	-3.47	47.25	5.98	1.31
856.00	11.68	12.51	851.65	-6.17	64.25	9.58	2.19
950.00	13.64	13.30	943.36	-9.72	84.33	14.19	2.09
1045.00	15.62	12.01	1035.28	-13.71	107.74	19.43	2.11
1139.00	17.05	10.30	1125.48	-17.43	133.68	24.53	1.60
1234.00	17.75	11.27	1216.14	-21.27	161.59	29.85	0.80
1329.00	17.46	8.38	1306.69	-24.67	189.89	34.76	0.97
1424.00	17.32	9.08	1397.35	-27.49	217.95	39.07	0.26
1519.00	17.54	8.41	1487.98	-30.32	246.08	43.39	0.31
1539.00	17.59	8.83	1507.05	-30.91	252.05	44.30	0.68
1678.00	17.14	8.03	1639.71	-34.82	293.09	50.38	0.36
1772.00	16.49	6.98	1729.69	-36.94	320.04	53.94	0.77
1866.00	17.83	14.72	1819.52	-40.78	347.21	59.22	2.81

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1961.00	19.64	15.68	1909.48	-47.22	376.64	67.23	1.93
2056.00	22.37	13.72	1998.17	-54.07	409.58	75.83	2.97
2150.00	23.90	12.64	2084.60	-60.57	445.54	84.24	1.70
2245.00	23.45	12.67	2171.61	-66.95	482.76	92.59	0.48
2340.00	23.03	11.23	2258.90	-72.76	519.43	100.36	0.74
2435.00	23.12	11.62	2346.30	-78.20	555.92	107.73	0.19
2530.00	22.98	10.58	2433.72	-83.42	592.42	114.89	0.46
2626.00	24.38	11.18	2521.63	-88.69	630.28	122.18	1.48
2720.00	25.83	12.08	2606.75	-94.66	669.34	130.23	1.60
2814.00	24.84	12.30	2691.71	-101.06	708.66	138.72	1.07
2909.00	26.58	10.38	2777.30	-107.00	749.07	146.80	2.04
3004.00	25.46	10.79	2862.67	-112.47	790.03	154.45	1.19
3100.00	25.61	10.55	2949.29	-117.97	830.70	162.10	0.19
3194.00	26.72	11.66	3033.66	-123.80	871.37	170.09	1.29
3290.00	24.94	12.47	3120.06	-130.36	912.28	178.83	1.89
3385.00	25.16	12.95	3206.13	-137.12	951.52	187.68	0.32
3480.00	24.87	12.14	3292.21	-143.77	990.74	196.41	0.47
3575.00	23.35	12.85	3378.92	-150.14	1028.62	204.80	1.64
3670.00	22.06	14.91	3466.56	-157.02	1064.22	213.58	1.59
3765.00	20.83	15.88	3554.98	-164.45	1097.71	222.79	1.34

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3861.00	21.39	10.75	3644.54	-170.60	1131.33	230.73	2.01
3956.00	22.92	11.40	3732.53	-175.62	1166.48	237.62	1.63
4051.00	25.52	12.93	3819.16	-181.84	1204.57	245.85	2.82
4147.00	26.65	13.11	3905.38	-189.16	1245.69	255.36	1.18
4241.00	28.47	14.92	3988.72	-197.47	1287.87	265.91	2.13
4336.00	29.37	14.83	4071.87	-206.89	1332.27	277.70	0.96
4432.00	27.30	15.22	4156.36	-216.36	1376.28	289.51	2.17
4528.00	24.86	15.85	4242.58	-225.48	1416.94	300.80	2.56
4623.00	25.43	14.99	4328.58	-234.14	1455.85	311.53	0.72
4717.00	24.17	15.28	4413.91	-242.41	1493.91	321.83	1.35
4812.00	23.41	15.35	4500.84	-250.56	1530.87	331.95	0.79
4907.00	24.37	12.42	4587.70	-257.79	1568.22	341.16	1.61
5001.00	24.90	11.41	4673.14	-263.84	1606.56	349.25	0.72
5096.00	24.50	8.88	4759.45	-268.77	1645.63	356.25	1.19
5191.00	22.58	8.05	4846.54	-272.37	1683.15	361.85	2.05
5286.00	21.33	12.03	4934.65	-276.67	1718.11	368.00	2.04
5381.00	21.01	11.76	5023.24	-281.96	1751.69	375.07	0.35
5476.00	22.53	8.27	5111.46	-286.20	1786.38	381.16	2.10
5572.00	19.15	2.65	5201.18	-287.78	1820.33	384.54	4.09
5667.00	15.48	354.82	5291.87	-285.86	1848.54	384.11	4.57

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5763.00	14.17	353.19	5384.67	-282.02	1872.97	381.56	1.43
5858.00	11.93	359.82	5477.22	-279.48	1894.34	380.15	2.83
5953.00	11.01	6.26	5570.32	-279.45	1913.18	381.11	1.66
6048.00	11.20	13.75	5663.55	-281.67	1931.15	384.29	1.53
6142.00	9.21	19.48	5756.06	-285.50	1947.12	388.97	2.37
6237.00	6.00	27.73	5850.21	-289.73	1958.69	393.82	3.56
6332.00	4.02	33.97	5944.84	-293.52	1965.85	397.99	2.16
6428.00	1.81	40.22	6040.71	-296.17	1969.80	400.85	2.32
6523.00	0.72	107.14	6135.69	-297.66	1970.77	402.40	1.75
6619.00	0.94	112.29	6231.68	-299.00	1970.29	403.71	0.24
6714.00	0.53	126.58	6326.68	-300.10	1969.73	404.79	0.47
6810.00	0.51	97.48	6422.67	-300.90	1969.41	405.57	0.27
6905.00	7.36	264.24	6517.43	-295.30	1968.74	399.93	8.27
7001.00	17.67	276.97	6611.03	-274.63	1969.90	379.29	11.06
7096.00	27.11	281.19	6698.78	-238.74	1975.86	343.66	10.07
7191.00	35.91	274.45	6779.72	-189.35	1982.23	294.54	9.96
7286.00	39.72	271.17	6854.76	-131.14	1985.02	236.39	4.54
7382.00	45.47	268.71	6925.41	-66.30	1984.87	171.46	6.23
7477.00	53.17	269.35	6987.29	5.51	1983.68	99.48	8.13
7572.00	59.13	269.20	7040.19	84.20	1982.68	20.63	6.27

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7667.00	59.74	269.93	7088.50	165.85	1982.06	-61.17	0.92
7761.00	71.23	270.63	7127.44	251.13	1982.50	-146.55	12.24
7856.00	77.07	271.96	7153.38	342.44	1984.58	-237.87	6.30
7952.00	88.96	270.34	7165.04	437.50	1986.46	-332.96	12.50
8046.00	87.75	269.74	7167.74	531.33	1986.52	-426.92	1.44
8141.00	87.31	271.80	7171.84	626.16	1987.80	-521.82	2.22
8236.00	87.21	271.81	7176.38	721.03	1990.79	-616.66	0.11
8331.00	86.44	271.96	7181.64	815.87	1993.91	-711.46	0.82
8425.00	87.58	273.00	7186.54	909.73	1997.97	-805.25	1.64
8520.00	89.93	272.73	7188.59	1004.70	2002.72	-900.10	2.49
8614.00	89.09	272.31	7189.39	1098.69	2006.86	-994.00	1.00
8708.00	88.89	272.70	7191.04	1192.67	2010.97	-1087.90	0.46
8803.00	90.77	274.60	7191.32	1287.66	2017.02	-1182.70	2.81
8898.00	89.83	273.79	7190.82	1382.64	2023.97	-1277.44	1.31
8993.00	89.16	273.20	7191.65	1477.63	2029.76	-1372.26	0.94
9088.00	91.28	274.43	7191.29	1572.61	2036.08	-1467.04	2.57
9182.00	92.76	275.89	7187.98	1666.48	2044.52	-1560.59	2.21
9278.00	88.72	273.91	7186.74	1762.40	2052.71	-1656.21	4.68
9372.00	89.50	274.42	7188.20	1856.37	2059.54	-1749.95	0.99
9468.00	89.87	274.11	7188.73	1952.35	2066.68	-1845.68	0.51

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
9564.00	89.53	273.34	7189.24	2048.34	2072.91	-1941.48	0.87
9659.00	90.64	273.21	7189.10	2143.33	2078.34	-2036.32	1.17
9755.00	90.97	272.88	7187.75	2239.32	2083.43	-2132.18	0.49
9850.00	91.95	273.02	7185.33	2334.29	2088.32	-2227.02	1.04
9945.00	89.19	273.53	7184.39	2429.28	2093.75	-2321.85	2.95
10040.00	88.19	274.03	7186.56	2524.24	2100.01	-2416.62	1.18
10136.00	86.37	274.64	7191.11	2620.11	2107.26	-2512.23	1.99
10231.00	87.58	273.77	7196.12	2714.95	2114.22	-2606.84	1.57
10327.00	89.36	272.56	7198.68	2810.91	2119.51	-2702.65	2.24
10422.00	90.03	271.91	7199.18	2905.90	2123.21	-2797.58	0.98
10517.00	89.06	270.46	7199.93	3000.84	2125.17	-2892.55	1.84
10612.00	89.77	269.38	7200.90	3095.70	2125.04	-2987.55	1.36
10707.00	90.27	270.34	7200.87	3190.55	2124.80	-3082.54	1.14
10802.00	90.07	271.12	7200.60	3285.47	2126.01	-3177.53	0.85
10897.00	91.64	271.94	7199.18	3380.42	2128.55	-3272.49	1.87
10992.00	88.59	270.79	7198.99	3475.37	2130.82	-3367.45	3.44
11088.00	86.53	270.29	7203.07	3571.19	2131.73	-3463.35	2.20
11183.00	87.21	272.42	7208.25	3666.00	2133.97	-3558.18	2.36
11279.00	89.93	274.30	7210.65	3761.96	2139.60	-3653.97	3.44
11374.00	87.62	274.12	7212.68	3856.91	2146.57	-3748.68	2.45

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11469.00	86.71	273.31	7217.38	3951.78	2152.71	-3843.37	1.28
11564.00	89.93	273.63	7220.16	4046.73	2158.46	-3938.14	3.41
11659.00	89.06	273.15	7220.99	4141.72	2164.08	-4032.97	1.05
11754.00	91.04	272.33	7220.91	4236.71	2168.61	-4127.85	2.26
11849.00	92.95	271.89	7217.60	4331.64	2172.11	-4222.73	2.07

5" = 100' FEET MD