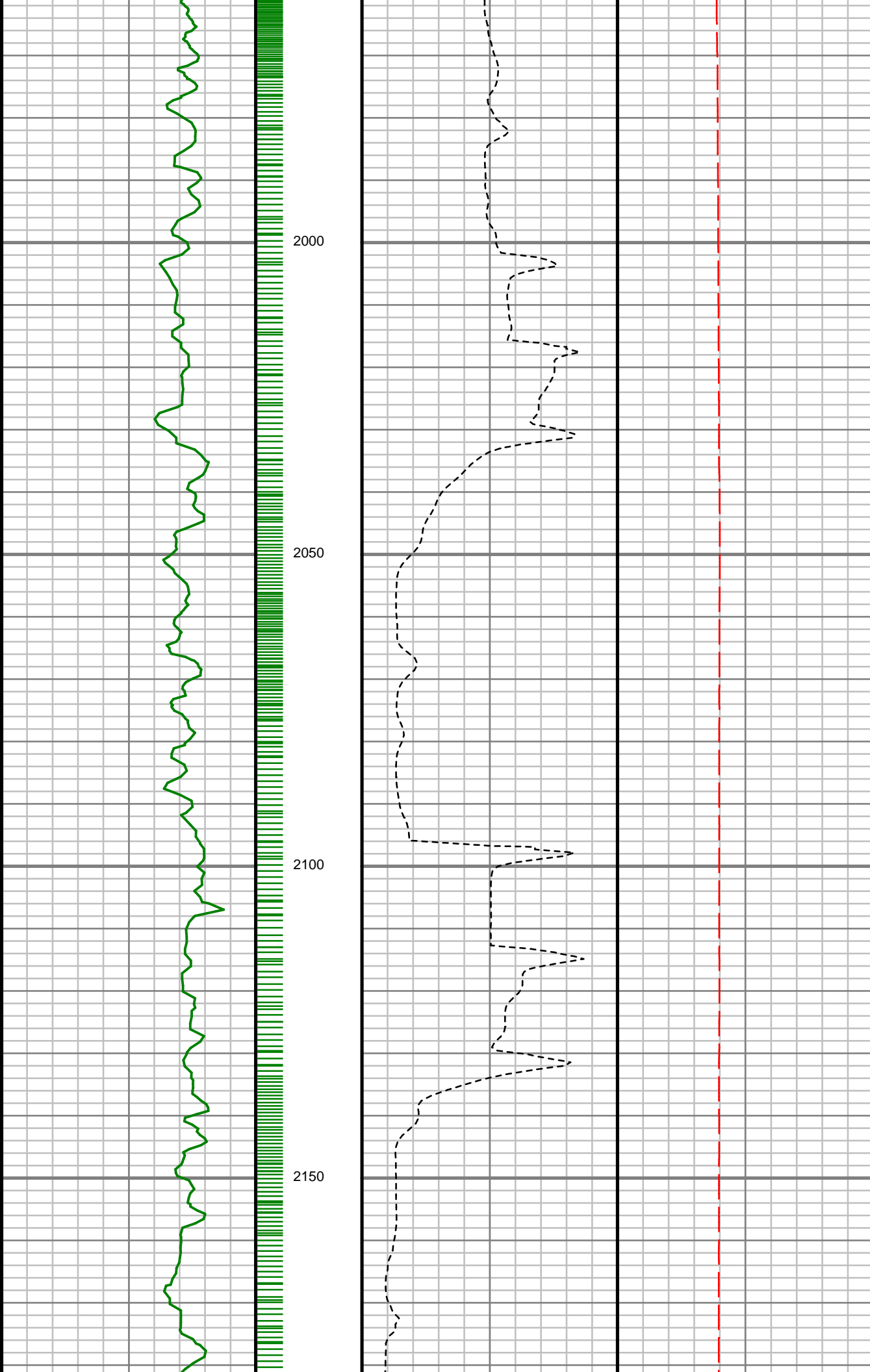


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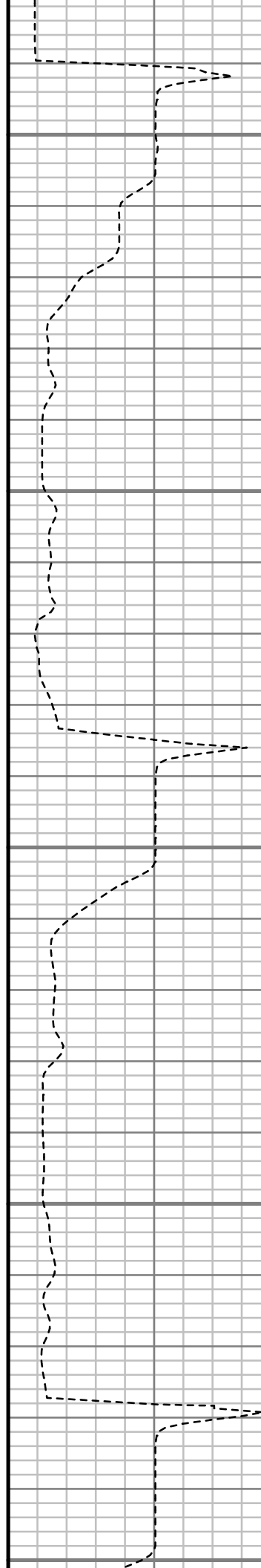
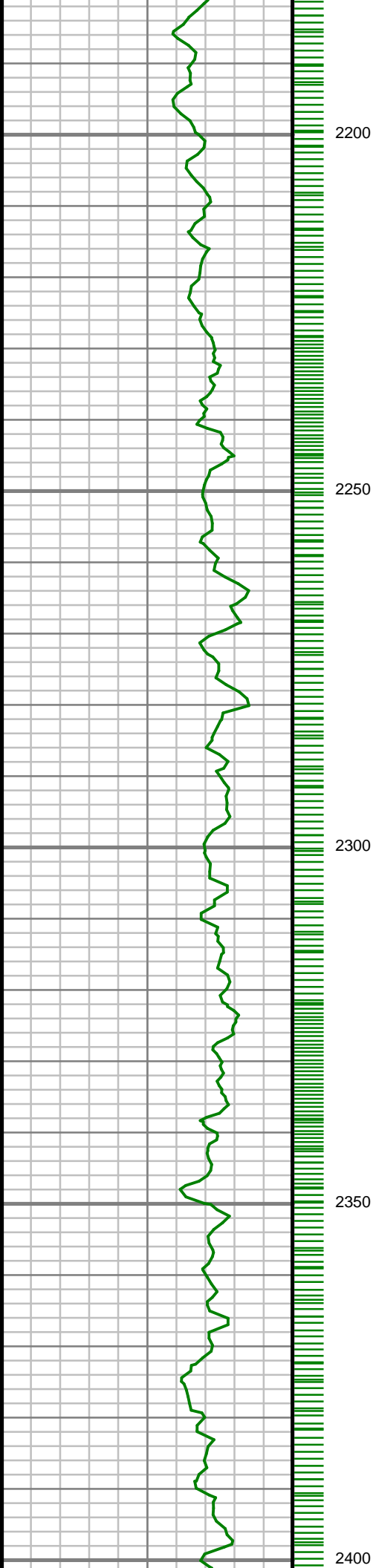
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

ANADARKO PETROLEUM CORPORATION FL GREENS 35C-8HZ WATTENBERG FIELD WELD COUNTY, COLORADO API # 05123422710000			
Gamma Ray (GR) 0 Unit = aapi 150	MEASURED DEPTH 1:240 (ft)	Rate of Penetration (ROP) 800 Unit = ft/hr 0	Tool Temperature (TEMP) 0 Unit = °F 300
			S: 21 MD: 1942.00 ft Inc: 18.87 deg Az: 22.76 deg TVD: 1890.44 ft



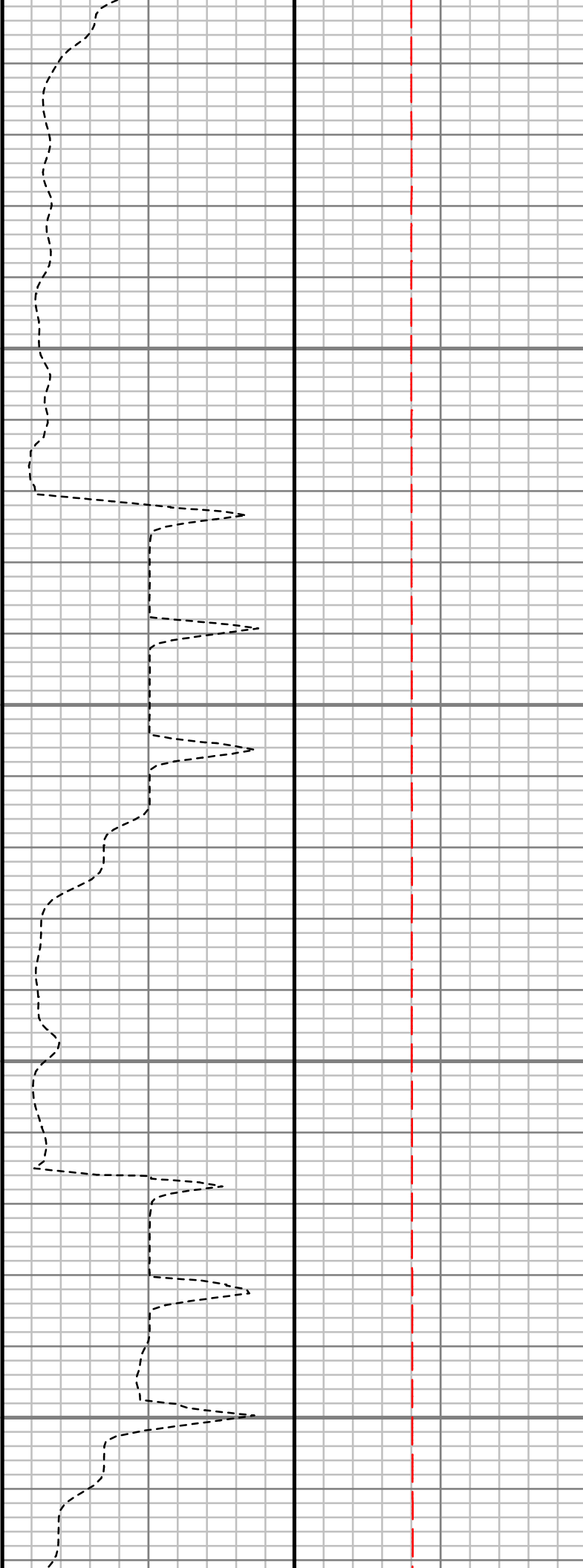
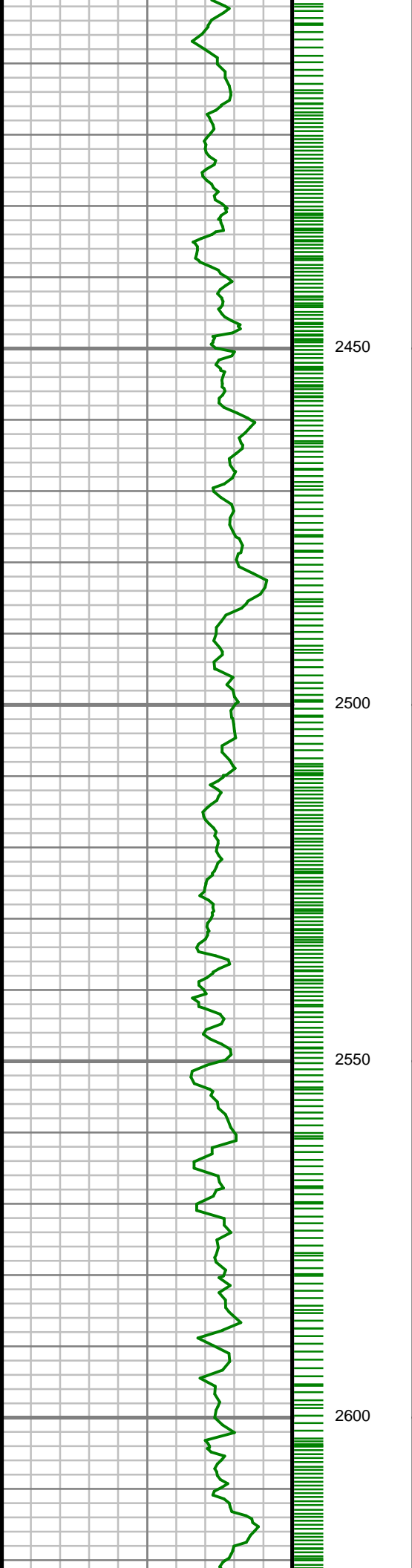
S: 22 MD: 2037.00 ft
Inc: 19.62 deg Az:
24.64 deg TVD:
1980.13 ft

S: 23 MD: 2131.00 ft
Inc: 20.43 deg Az:
30.28 deg TVD:
2068.46 ft



S: 24 MD: 2224.00 ft
Inc: 19.69 deg Az:
29.50 deg TVD:
2155.81 ft

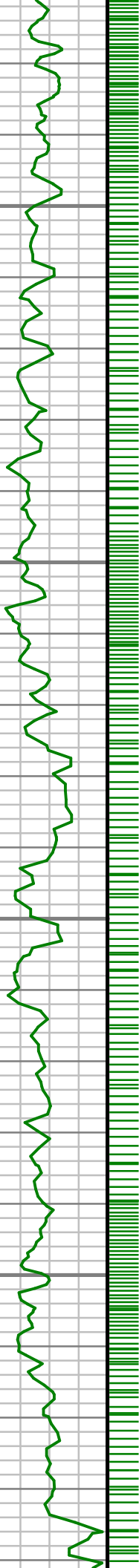
S: 25 MD: 2318.00 ft
Inc: 19.10 deg Az:
26.10 deg TVD:
2244.48 ft



S: 26 MD: 2412.00 ft
Inc: 18.20 deg Az:
23.93 deg TVD:
2333.54 ft

S: 27 MD: 2506.00 ft
Inc: 18.77 deg Az:
24.62 deg TVD:
2422.69 ft

S: 28 MD: 2600.00 ft
Inc: 19.39 deg Az:
28.37 deg TVD:
2511.53 ft

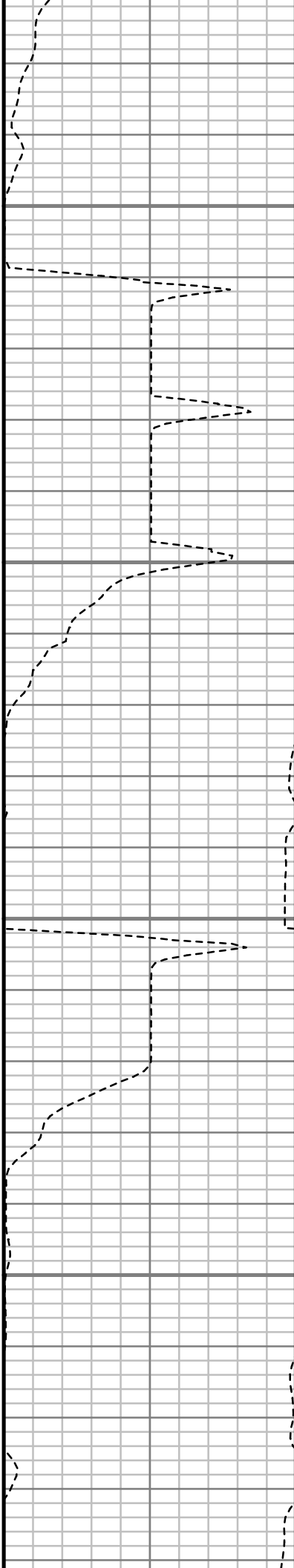


2650

2700

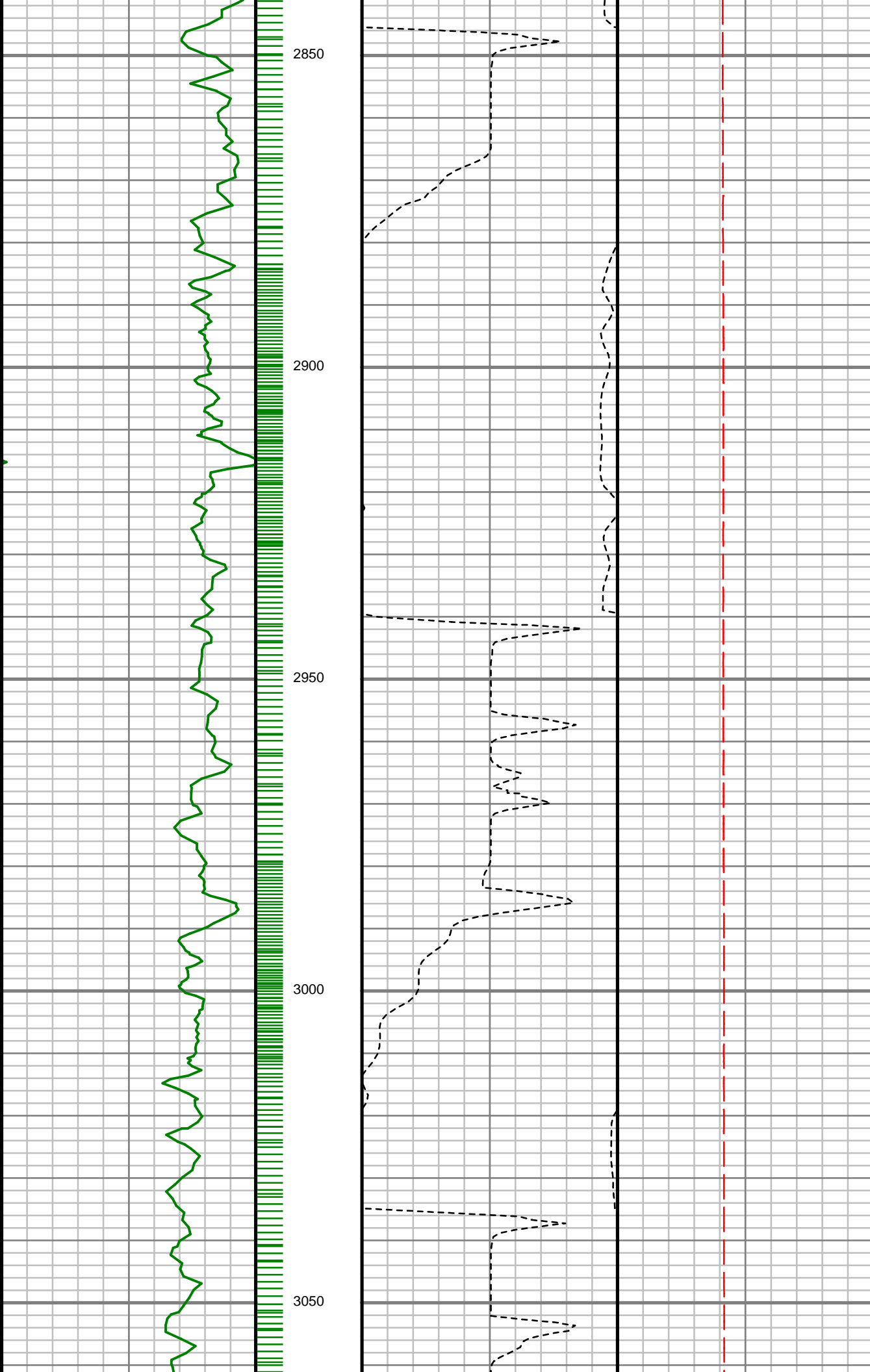
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2800



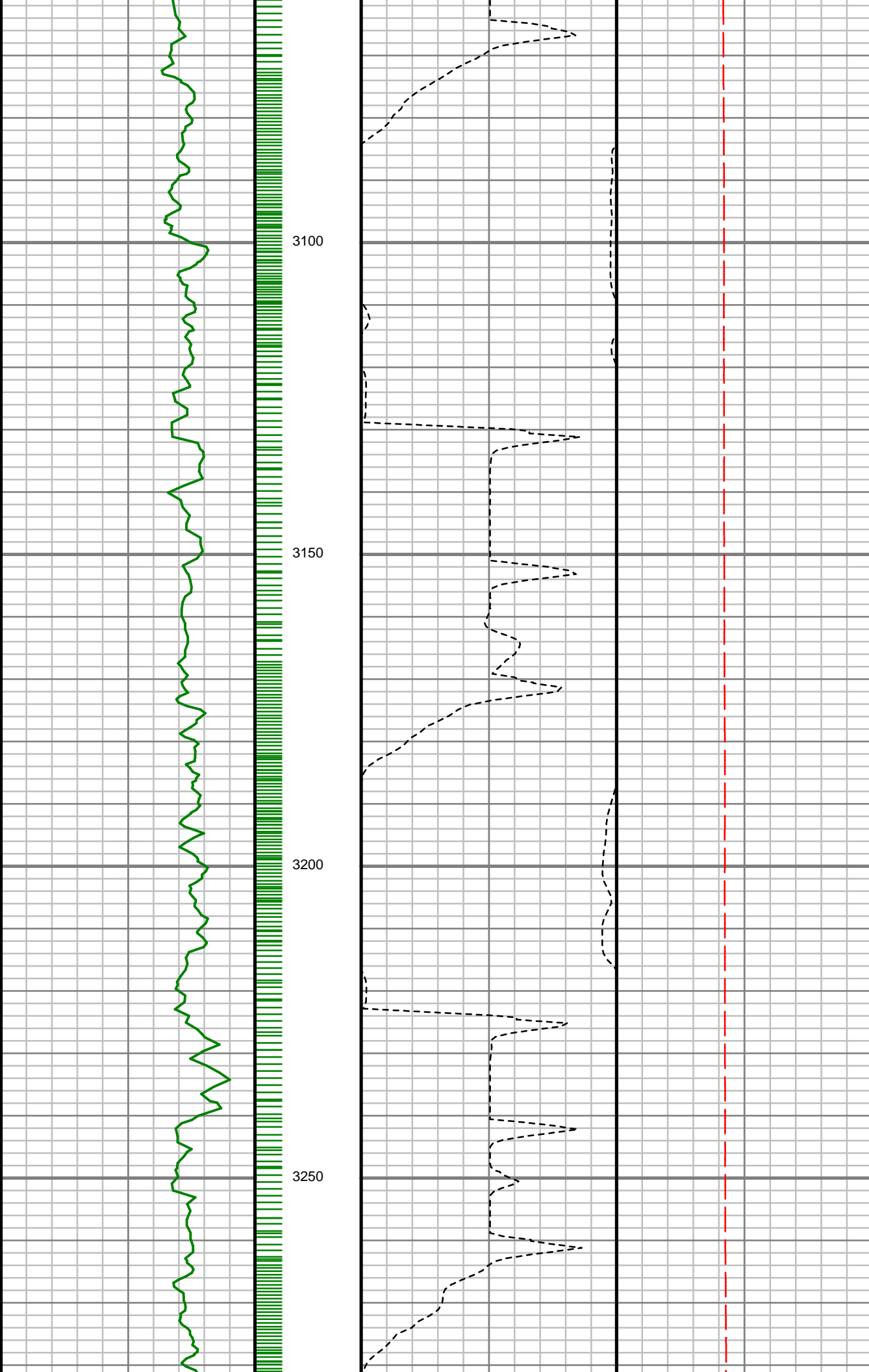
S: 29 MD: 2692.00 ft
Inc: 20.14 deg Az:
33.14 deg TVD:
2598.11 ft

S: 30 MD: 2785.00 ft
Inc: 19.17 deg Az:
34.44 deg TVD:
2685.69 ft



S: 31 MD: 2880.00 ft
Inc: 17.79 deg Az:
34.06 deg TVD:
2775.79 ft

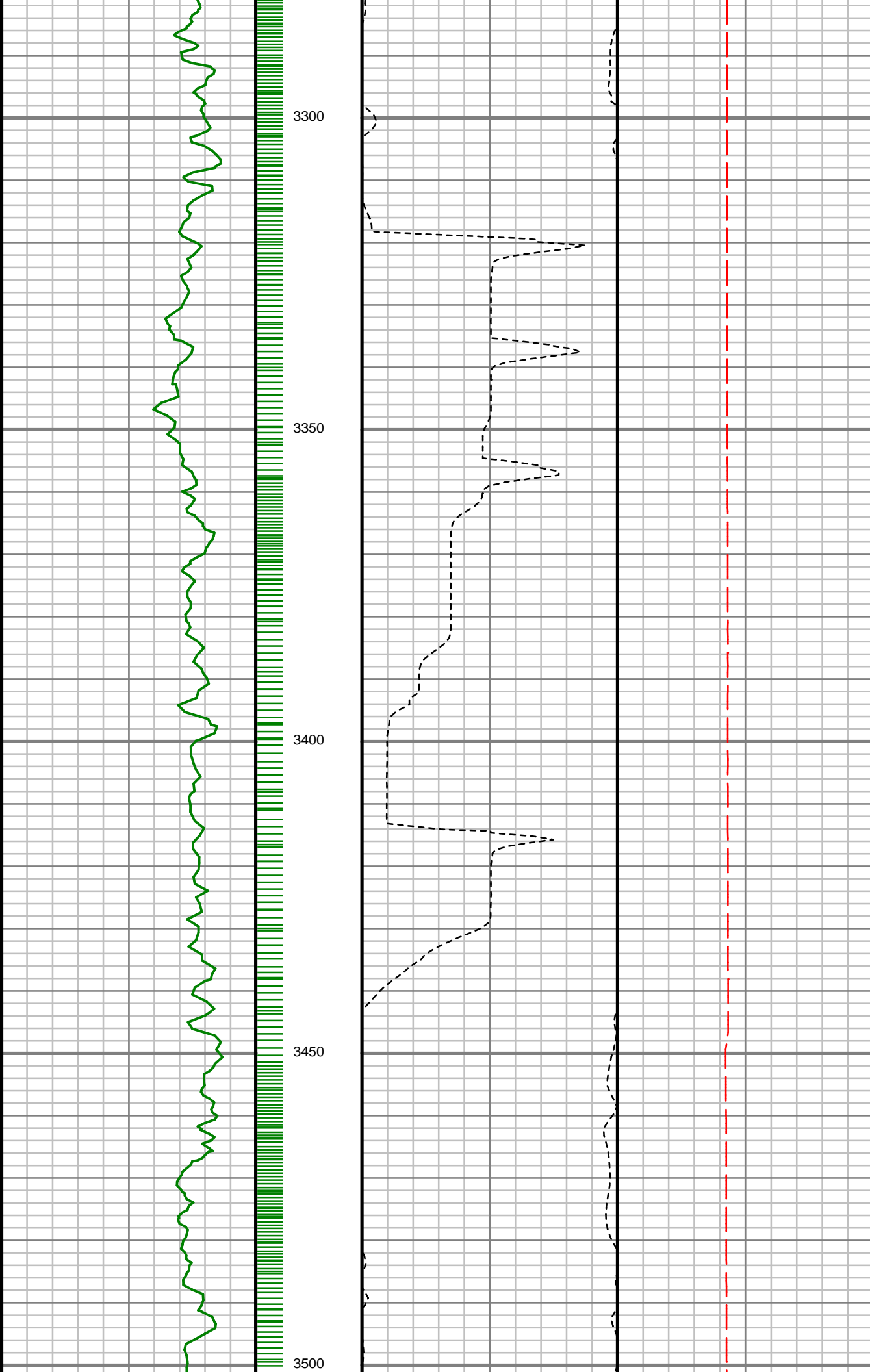
S: 32 MD: 2974.00 ft
Inc: 18.35 deg Az:
34.12 deg TVD:
2865.15 ft



S: 33 MD: 3069.00 ft
Inc: 18.44 deg Az:
37.15 deg TVD:
2955.30 ft

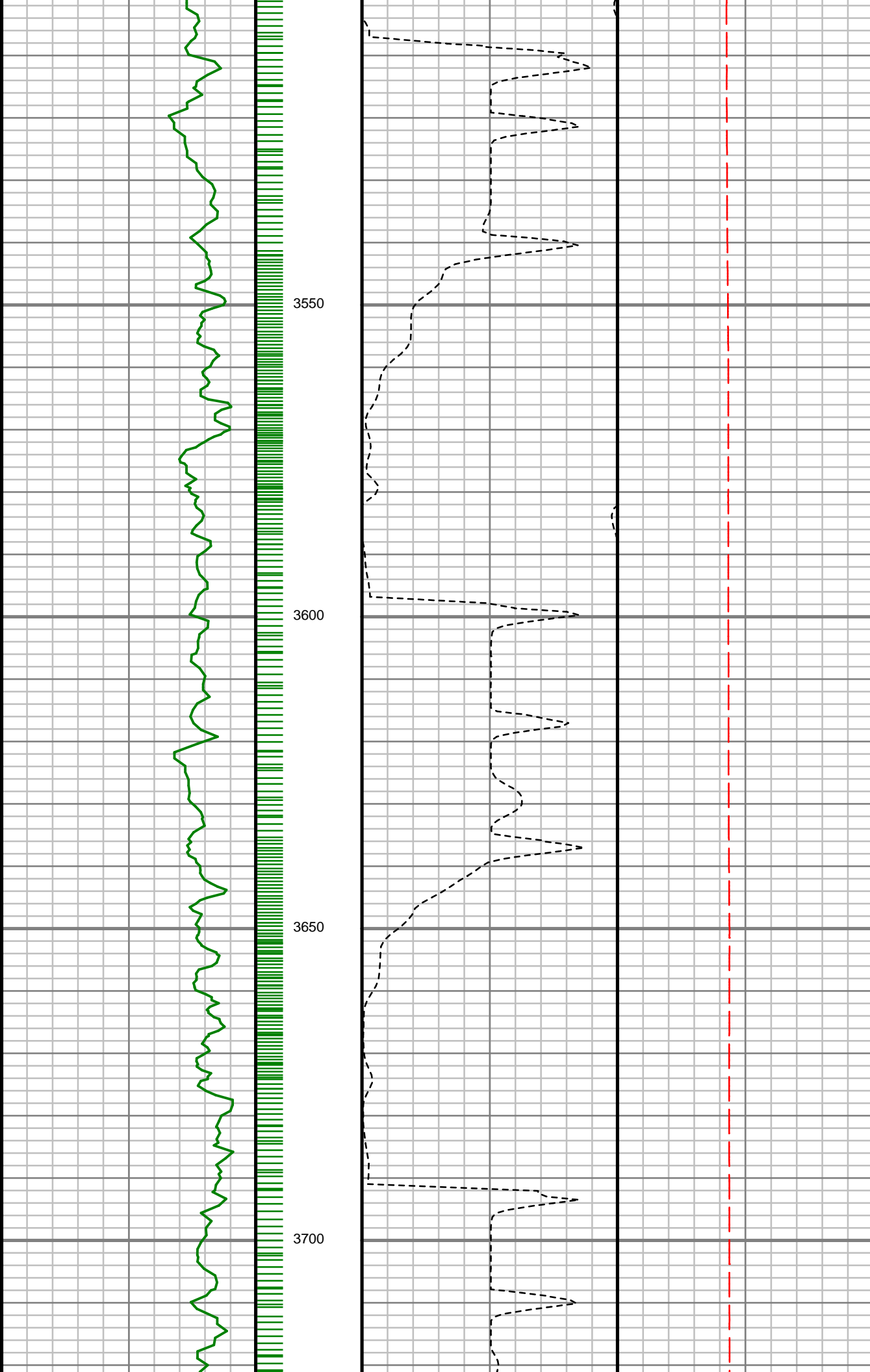
S: 34 MD: 3162.00 ft
Inc: 18.10 deg Az:
40.70 deg TVD:
3043.61 ft

S: 35 MD: 3257.00 ft
Inc: 18.88 deg Az:
37.76 deg TVD:
3133.71 ft



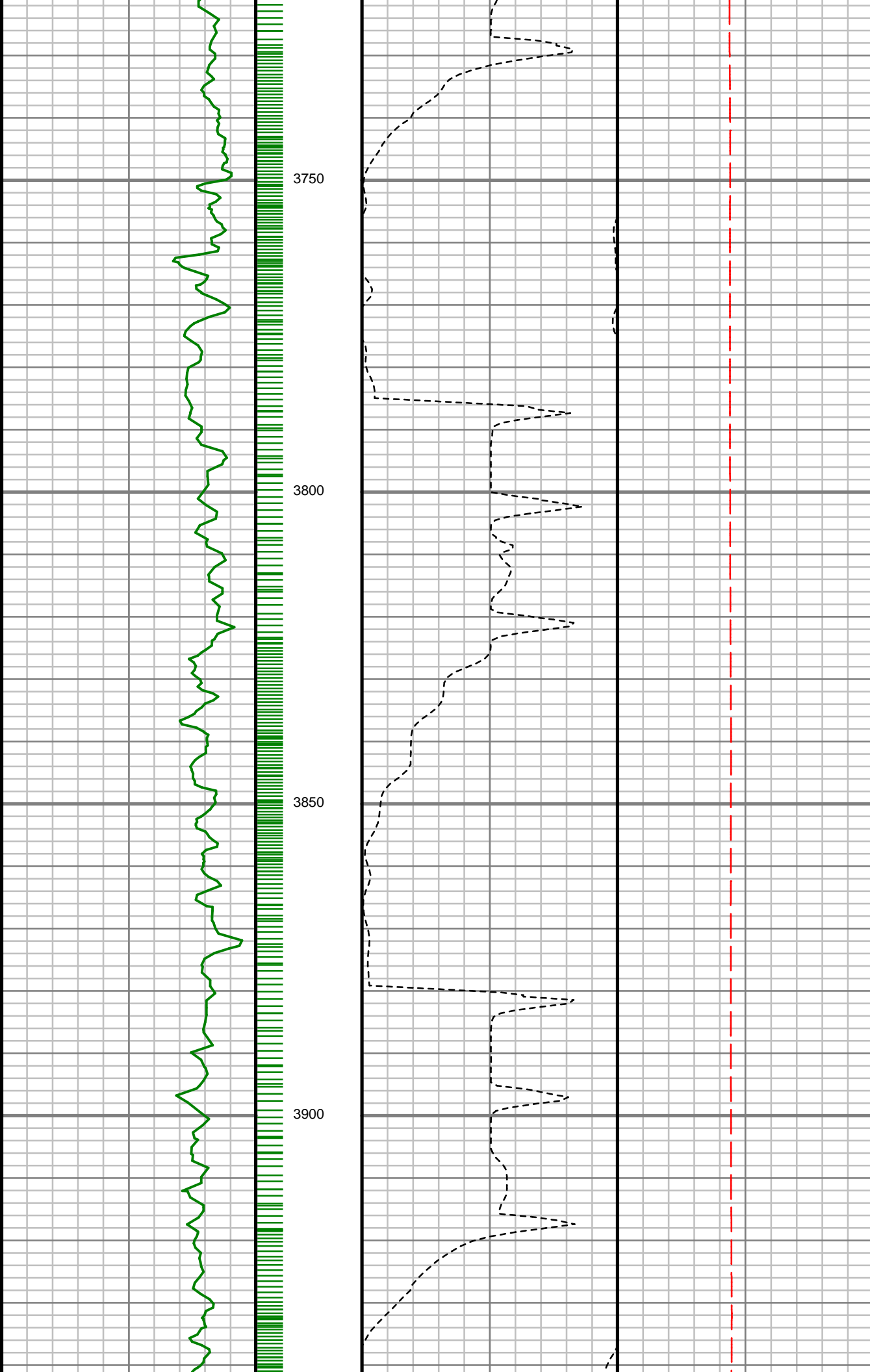
S: 36 MD: 3352.00 ft
Inc: 19.68 deg Az:
37.26 deg TVD:
3223.38 ft

S: 37 MD: 3445.00 ft
Inc: 18.72 deg Az:
36.69 deg TVD:
3311.20 ft



S: 38 MD: 3539.00 ft
Inc: 18.79 deg Az:
34.34 deg TVD:
3400.21 ft

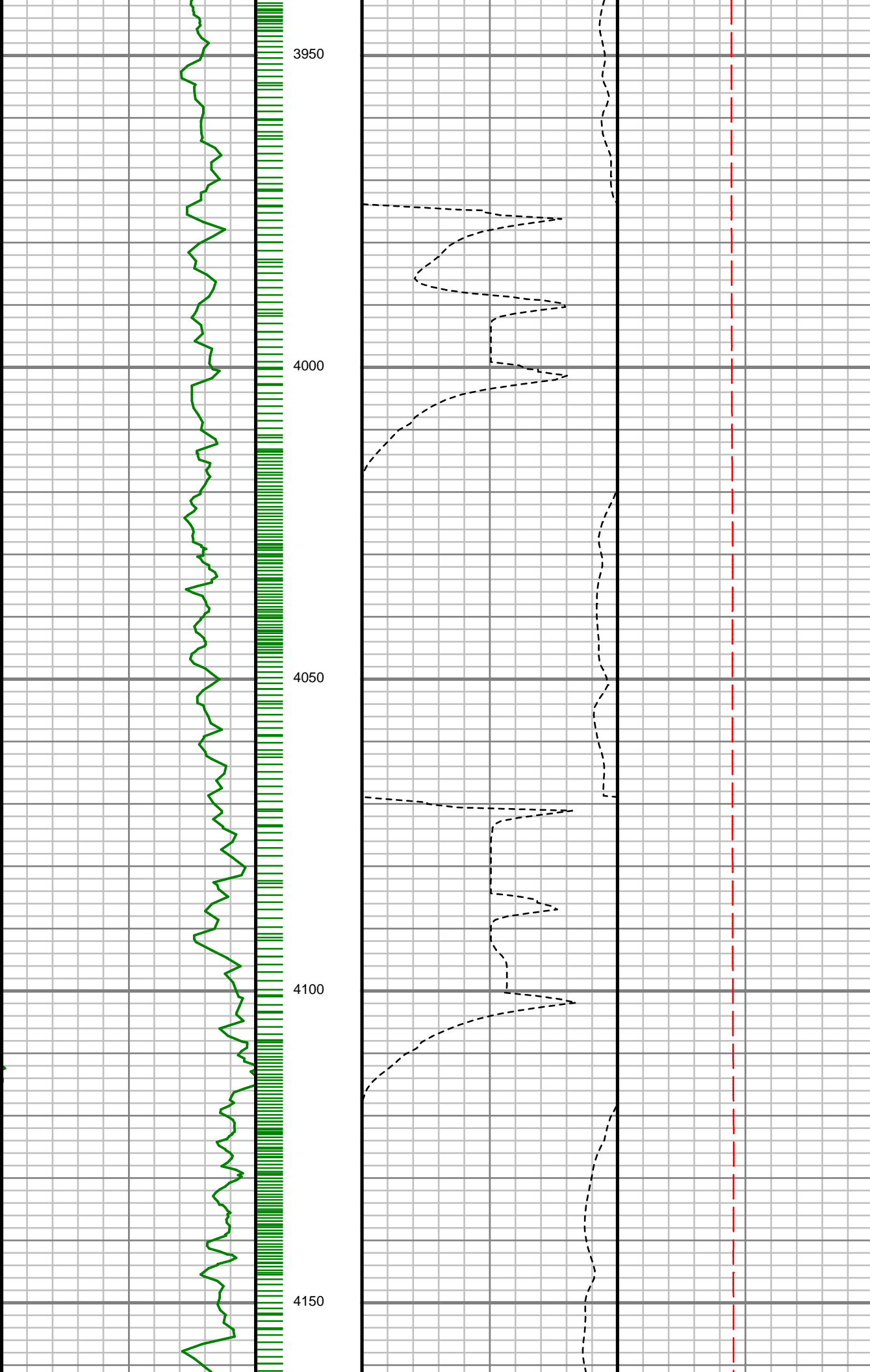
S: 39 MD: 3634.00 ft
Inc: 18.01 deg Az:
30.02 deg TVD:
3490.36 ft



S: 40 MD: 3727.00 ft
Inc: 18.01 deg Az:
28.72 deg TVD:
3578.80 ft

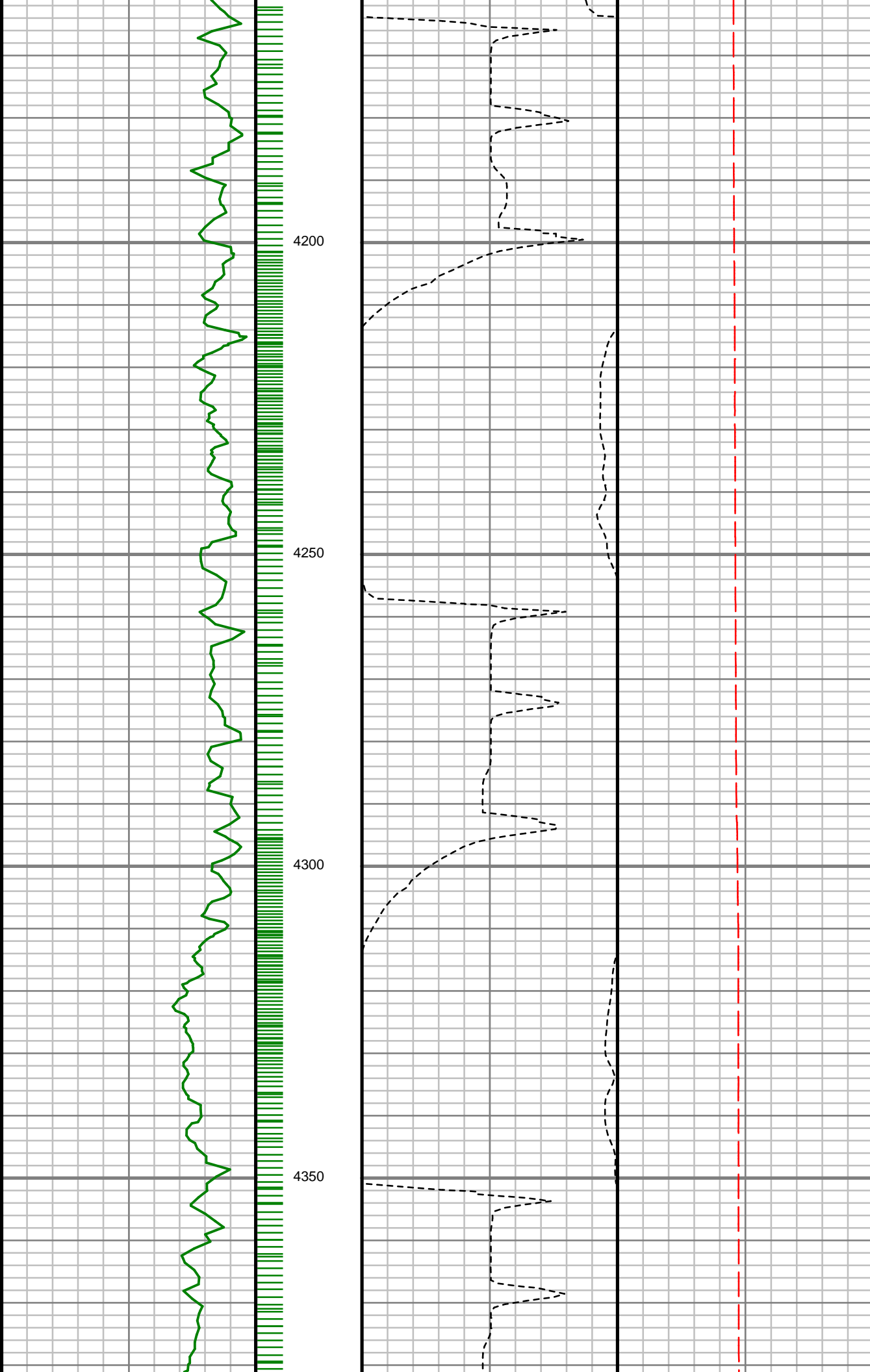
S: 41 MD: 3820.00 ft
Inc: 17.76 deg Az:
26.96 deg TVD:
3667.31 ft

S: 42 MD: 3915.00 ft
Inc: 18.38 deg Az:
27.40 deg TVD:
3757.63 ft



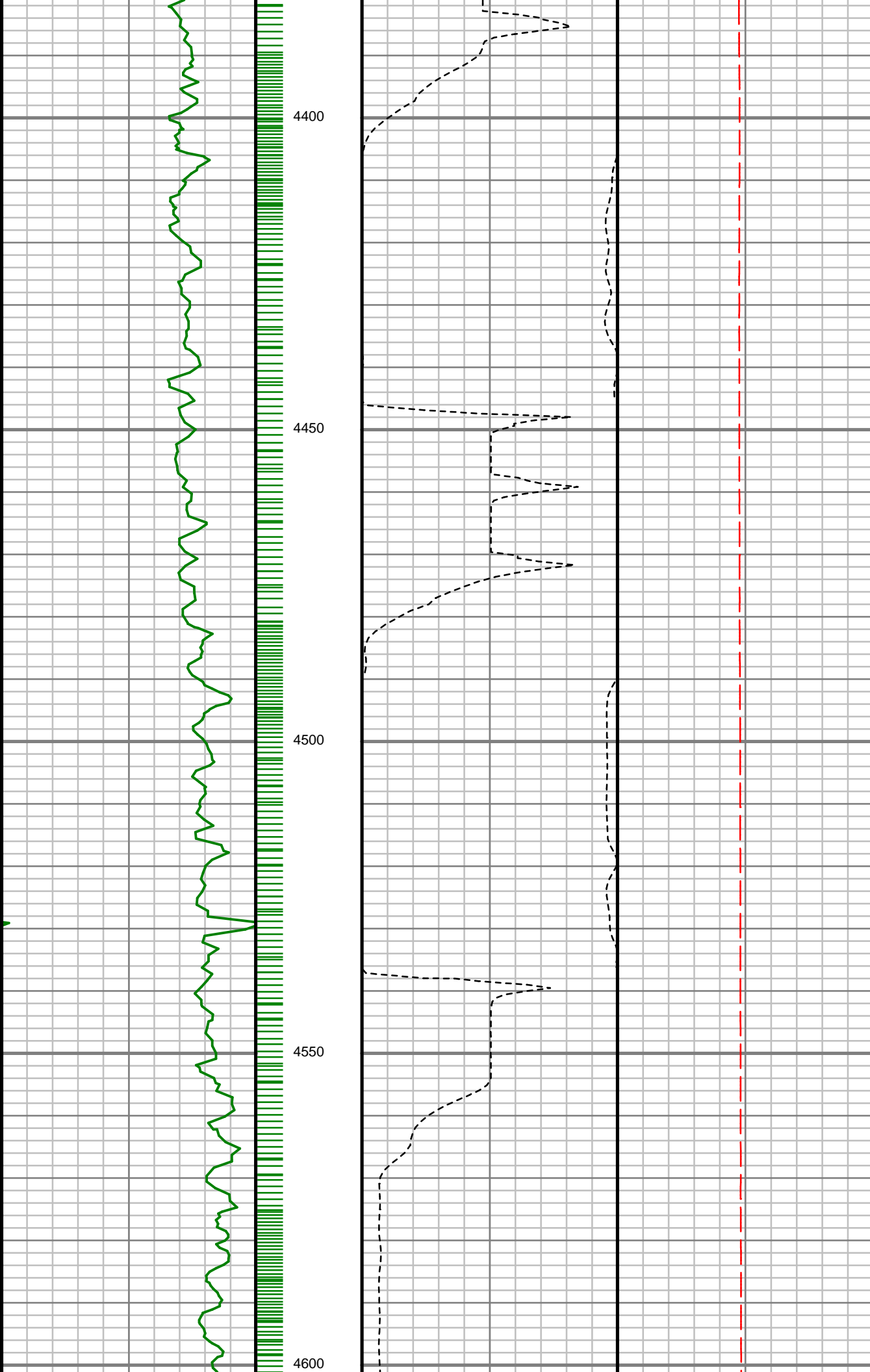
S: 43 MD: 4009.00 ft
Inc: 17.86 deg Az:
26.31 deg TVD:
3846.97 ft

S: 44 MD: 4103.00 ft
Inc: 17.44 deg Az:
25.00 deg TVD:
3936.54 ft



S: 45 MD: 4197.00 ft
Inc: 17.09 deg Az:
27.65 deg TVD:
4026.31 ft

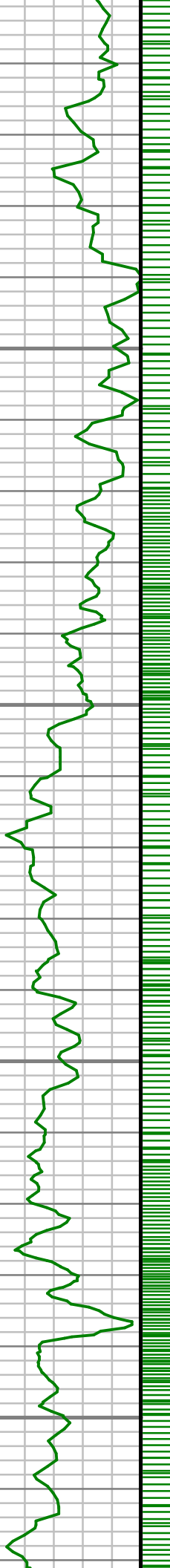
S: 46 MD: 4291.00 ft
Inc: 17.16 deg Az:
34.99 deg TVD:
4116.15 ft



S: 47 MD: 4384.00 ft
Inc: 17.09 deg Az:
37.15 deg TVD:
4205.03 ft

S: 48 MD: 4479.00 ft
Inc: 16.87 deg Az:
38.24 deg TVD:
4295.89 ft

S: 49 MD: 4572.00 ft
Inc: 14.96 deg Az:
36.54 deg TVD:
4385.32 ft

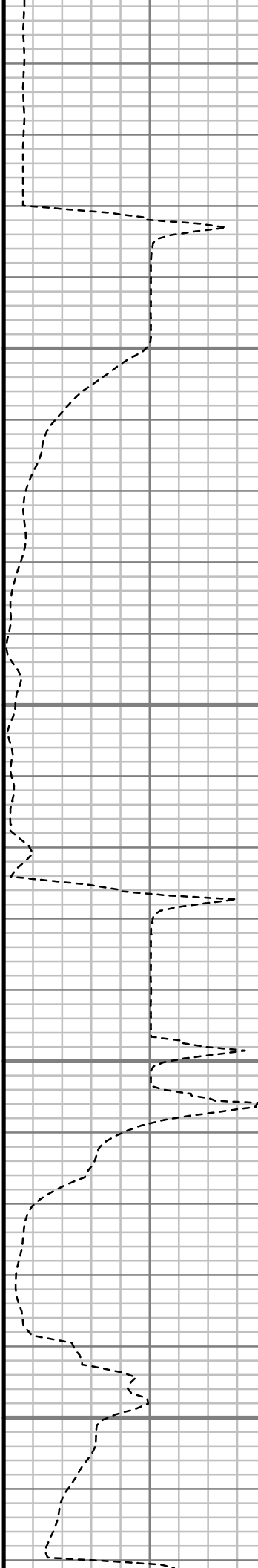


4650

4700

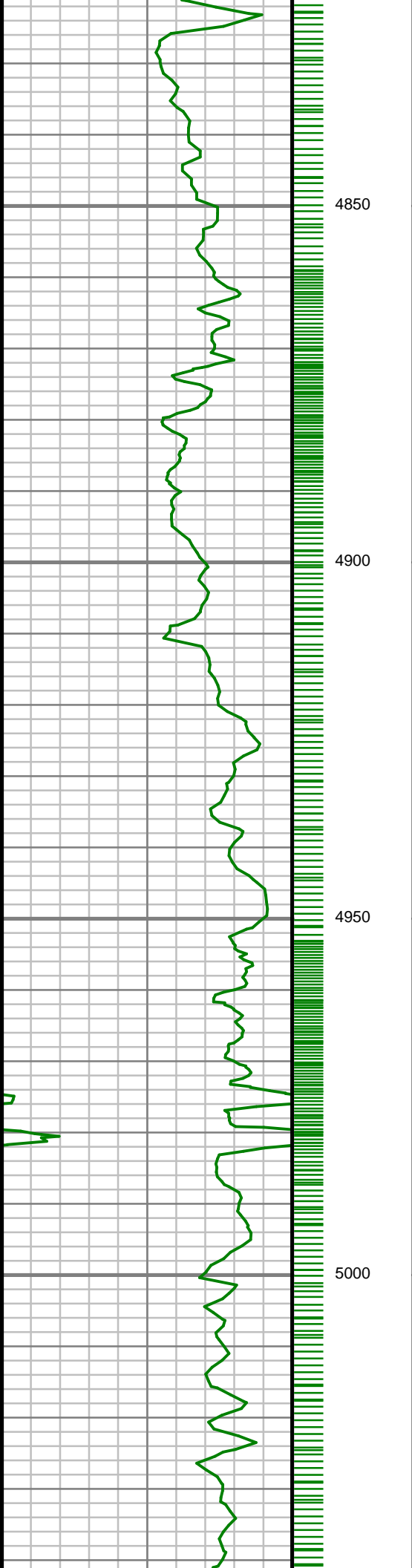
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4800



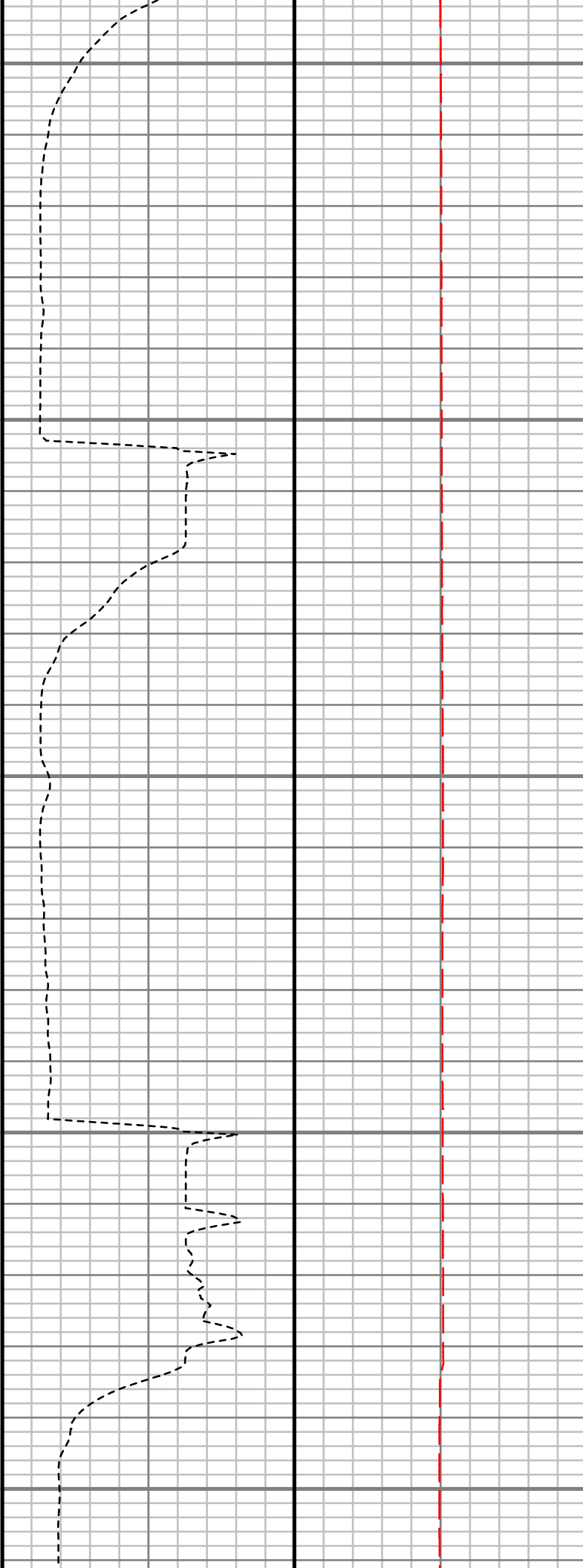
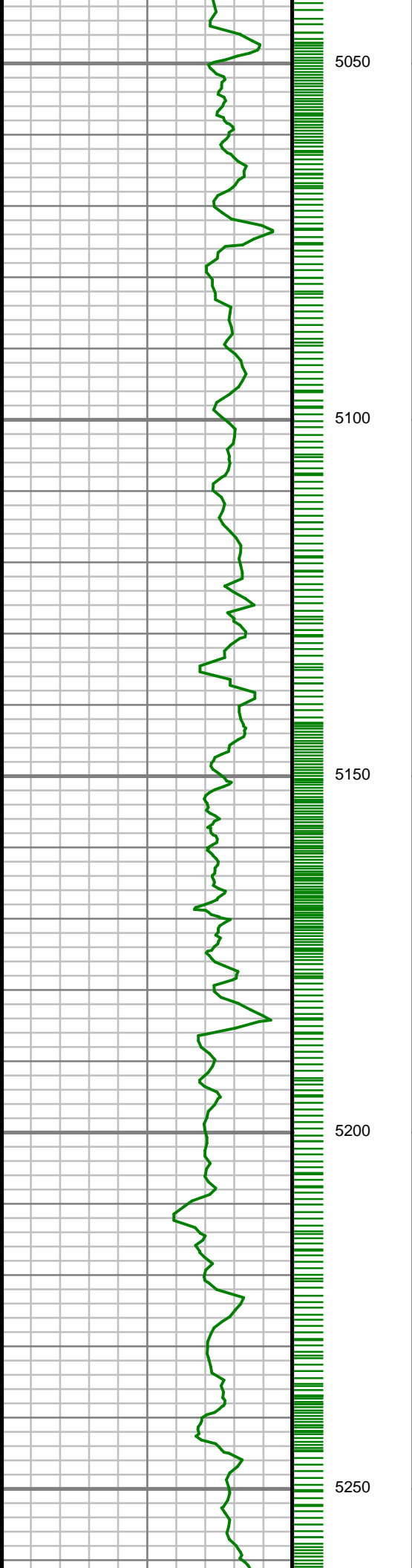
S: 50 MD: 4666.00 ft
Inc: 12.72 deg Az:
35.73 deg TVD:
4476.59 ft

S: 51 MD: 4760.00 ft
Inc: 10.73 deg Az:
34.41 deg TVD:
4568.62 ft



S: 52 MD: 4854.00 ft
Inc: 9.35 deg Az: 36.72
deg TVD: 4661.18 ft

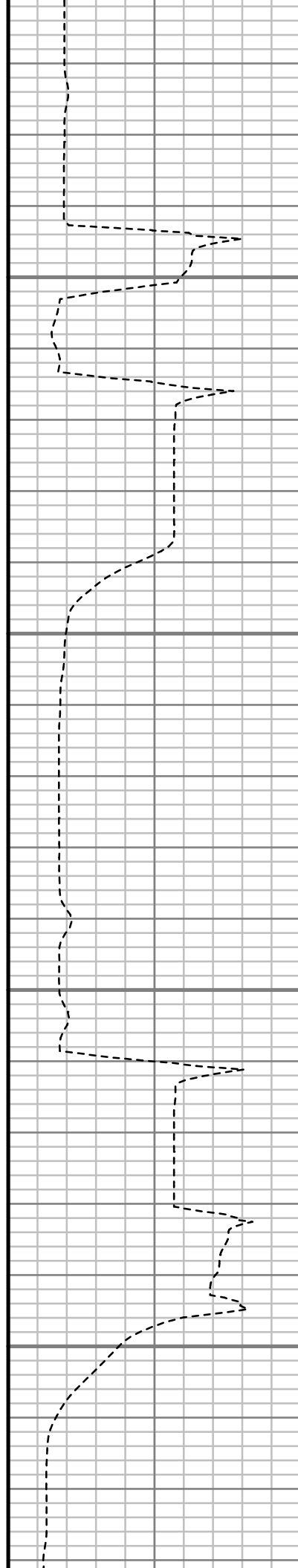
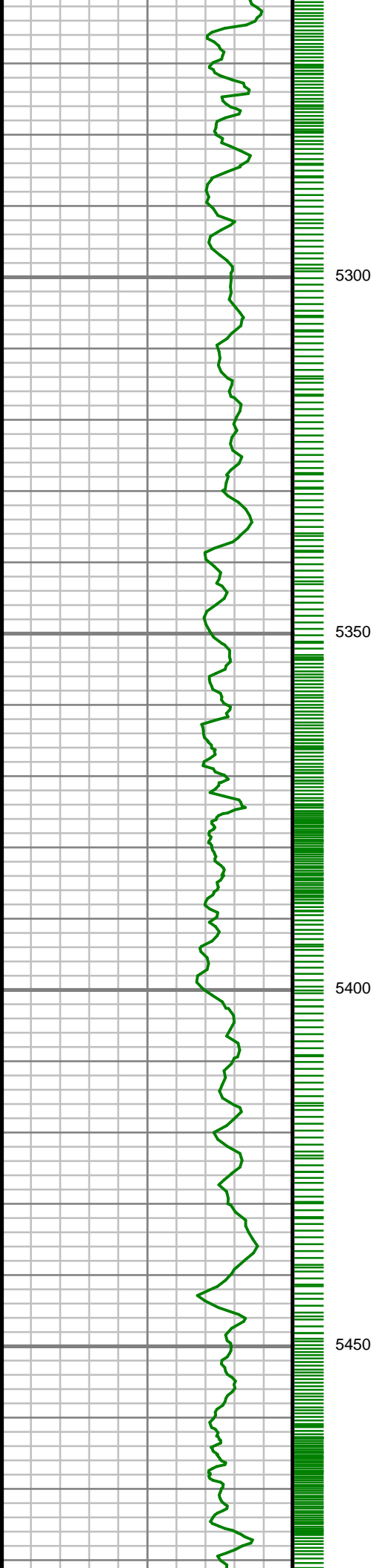
S: 53 MD: 4949.00 ft
Inc: 9.23 deg Az: 27.48
deg TVD: 4754.94 ft



S: 54 MD: 5043.00 ft
Inc: 9.92 deg Az: 30.14
deg TVD: 4847.63 ft

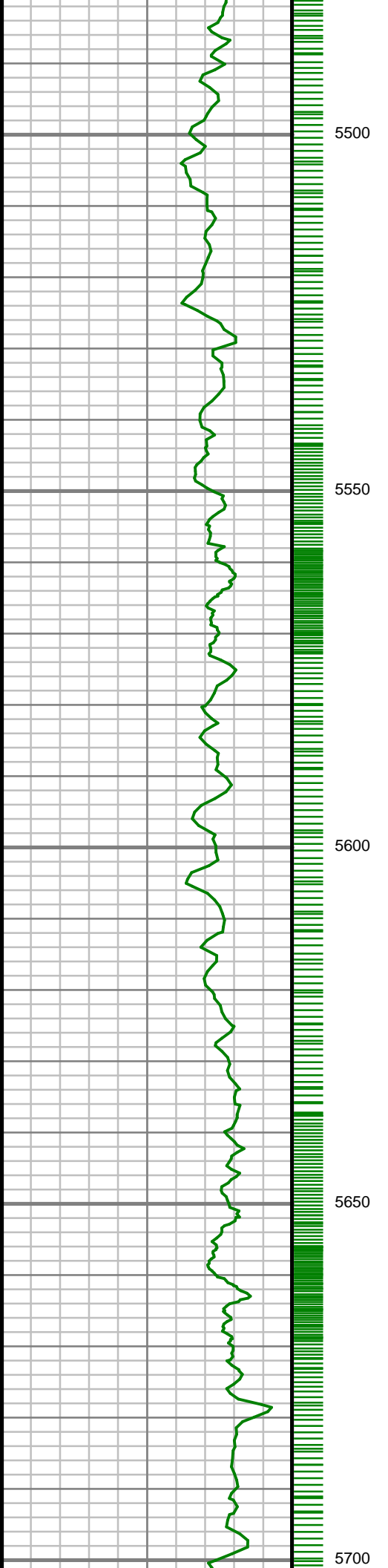
S: 55 MD: 5137.00 ft
Inc: 8.64 deg Az: 26.82
deg TVD: 4940.40 ft

S: 56 MD: 5254.00 ft
Inc: 7.24 deg Az: 15.16
deg TVD: 5056.28 ft



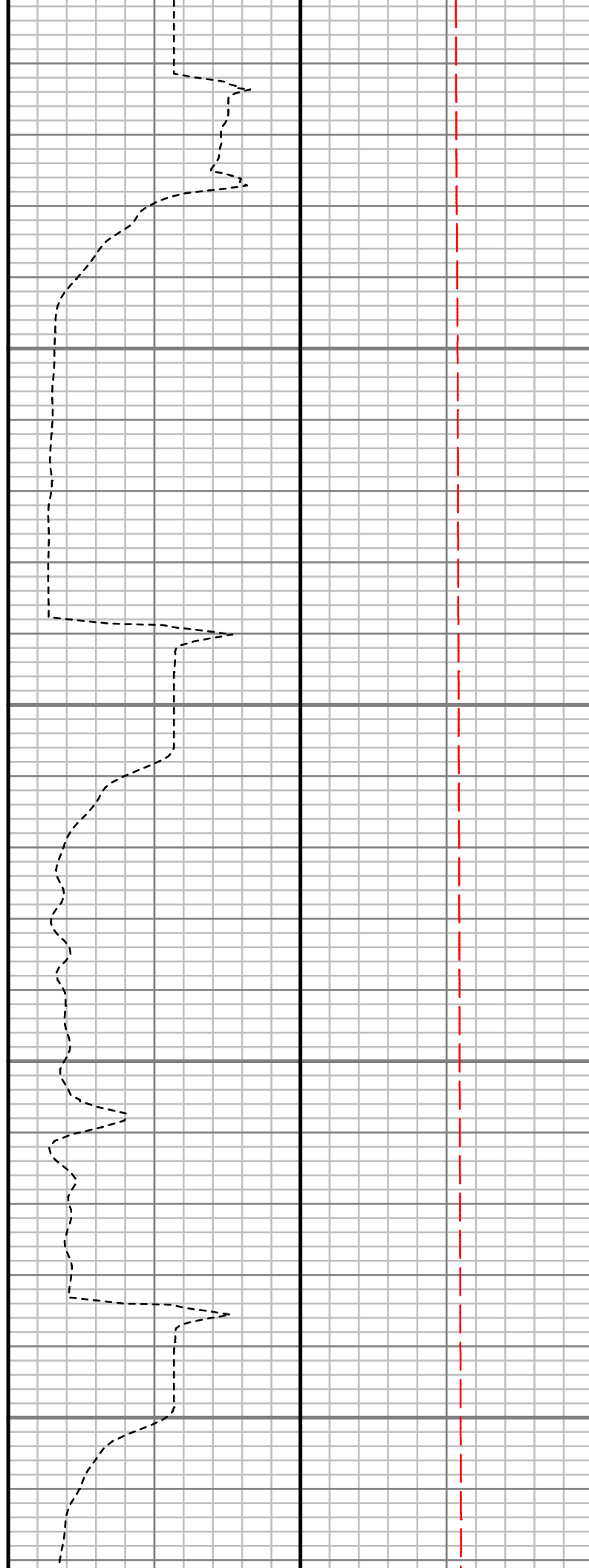
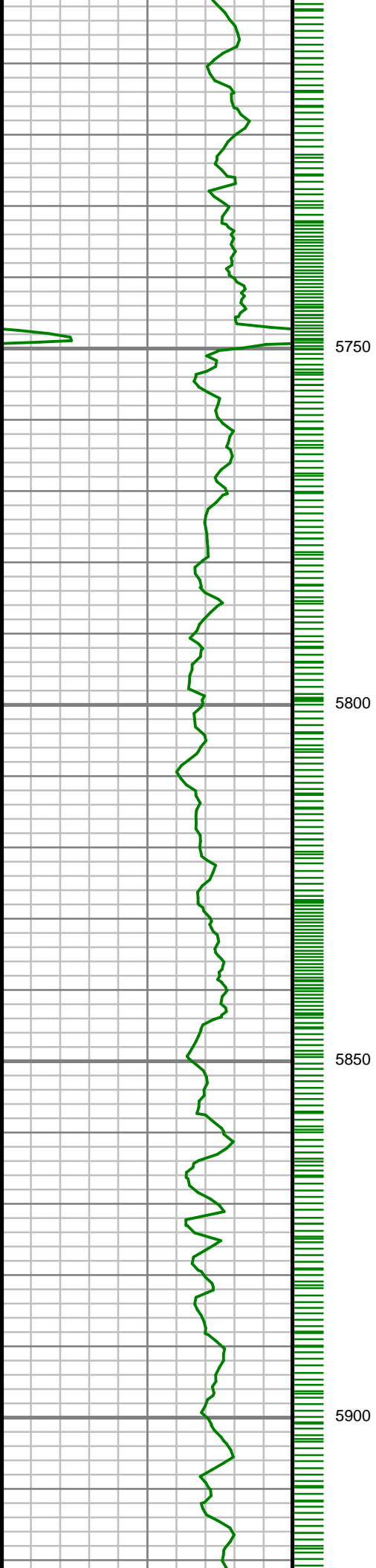
S: 57 MD: 5349.00 ft
Inc: 6.24 deg Az: 6.84
deg TVD: 5150.63 ft

S: 58 MD: 5444.00 ft
Inc: 5.55 deg Az: 16.97
deg TVD: 5245.13 ft



S: 59 MD: 5539.00 ft
Inc: 5.83 deg Az: 33.60
deg TVD: 5339.66 ft

S: 60 MD: 5633.00 ft
Inc: 4.21 deg Az: 51.54
deg TVD: 5433.31 ft

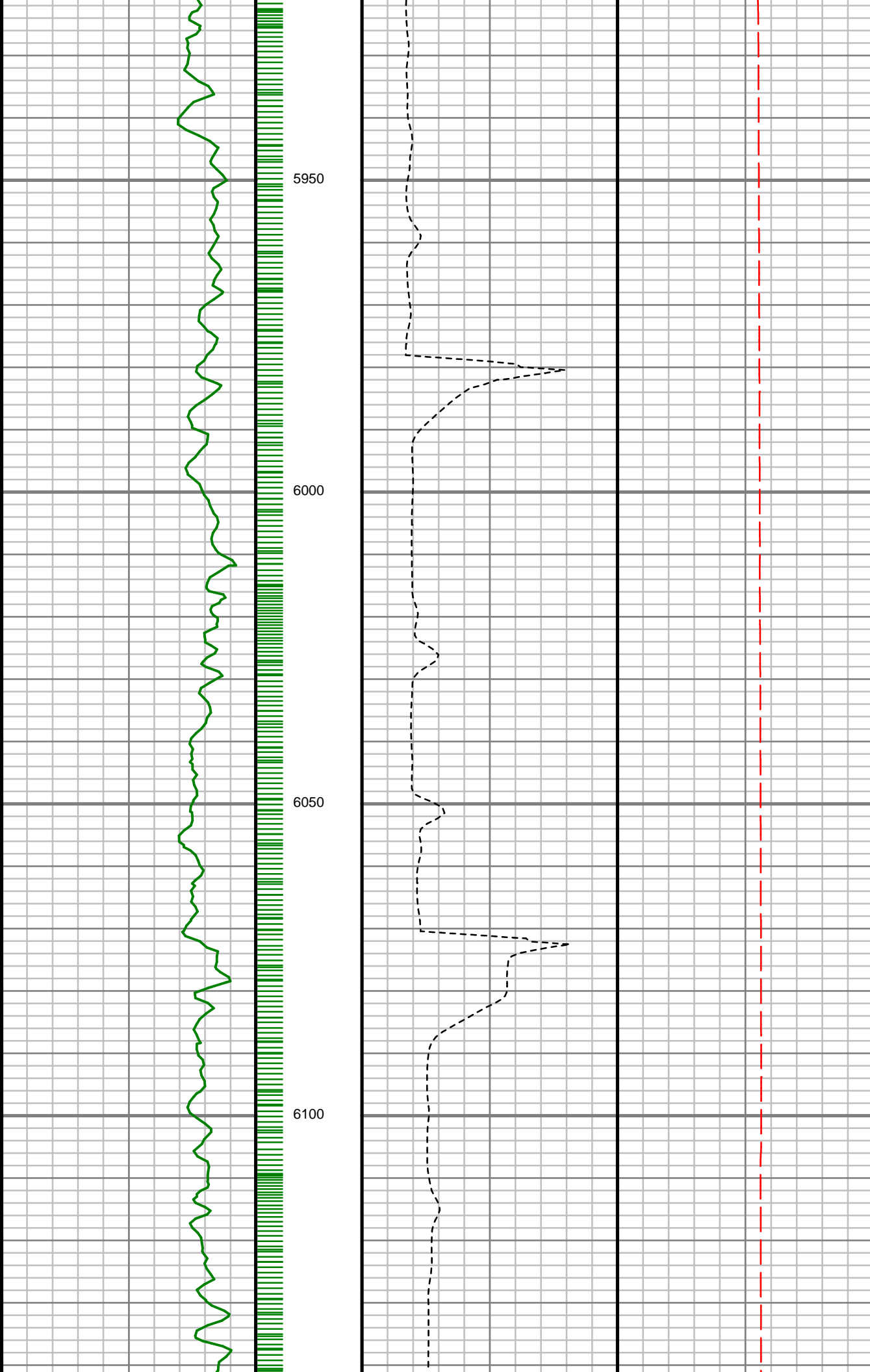


S: 61 MD: 5727.00 ft
Inc: 1.87 deg Az: 66.76
deg TVD: 5527.17 ft

S: 62 MD: 5822.00 ft
Inc: 1.14 deg Az: 54.71
deg TVD: 5622.14 ft

S: 63 MD: 5916.00 ft
Inc: 1.08 deg Az: 35.04

deg TVD: 5716.12 ft



5950

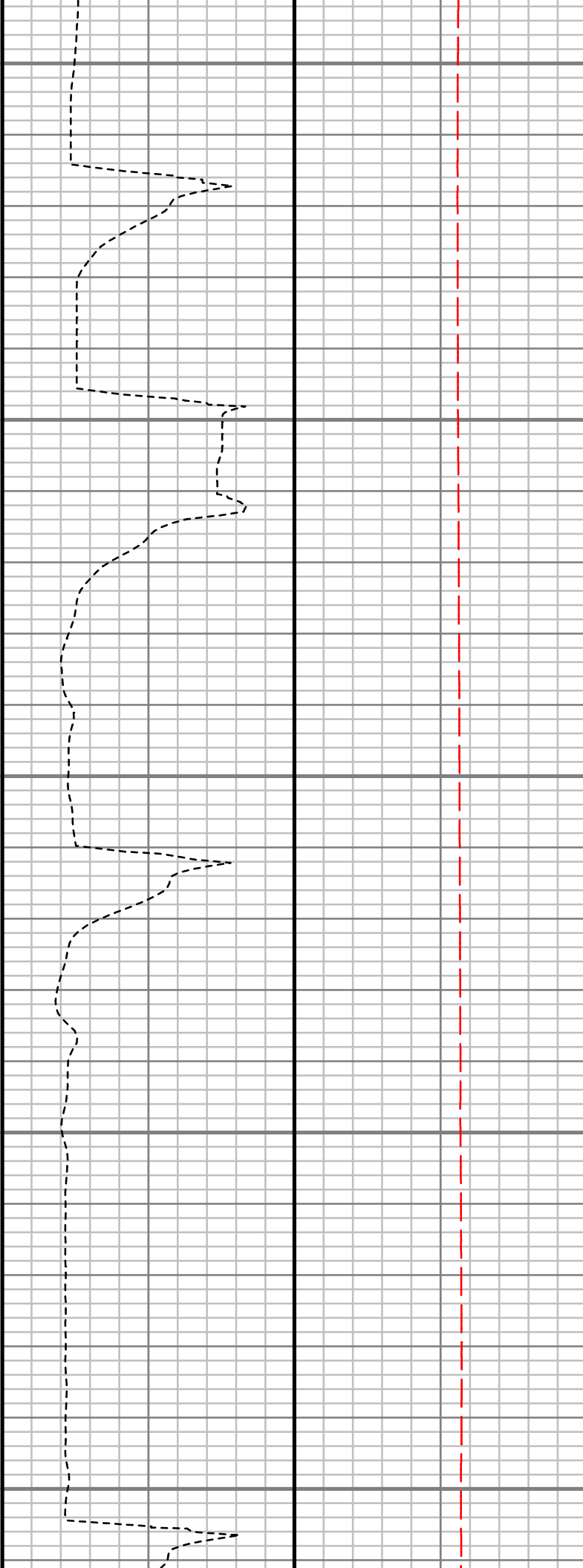
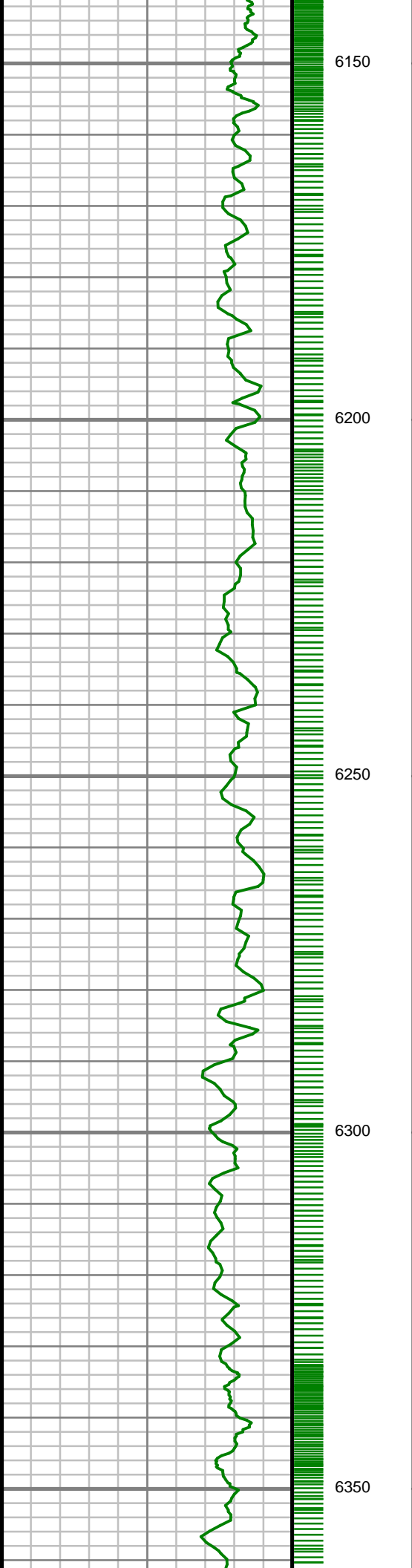
6000

6050

6100

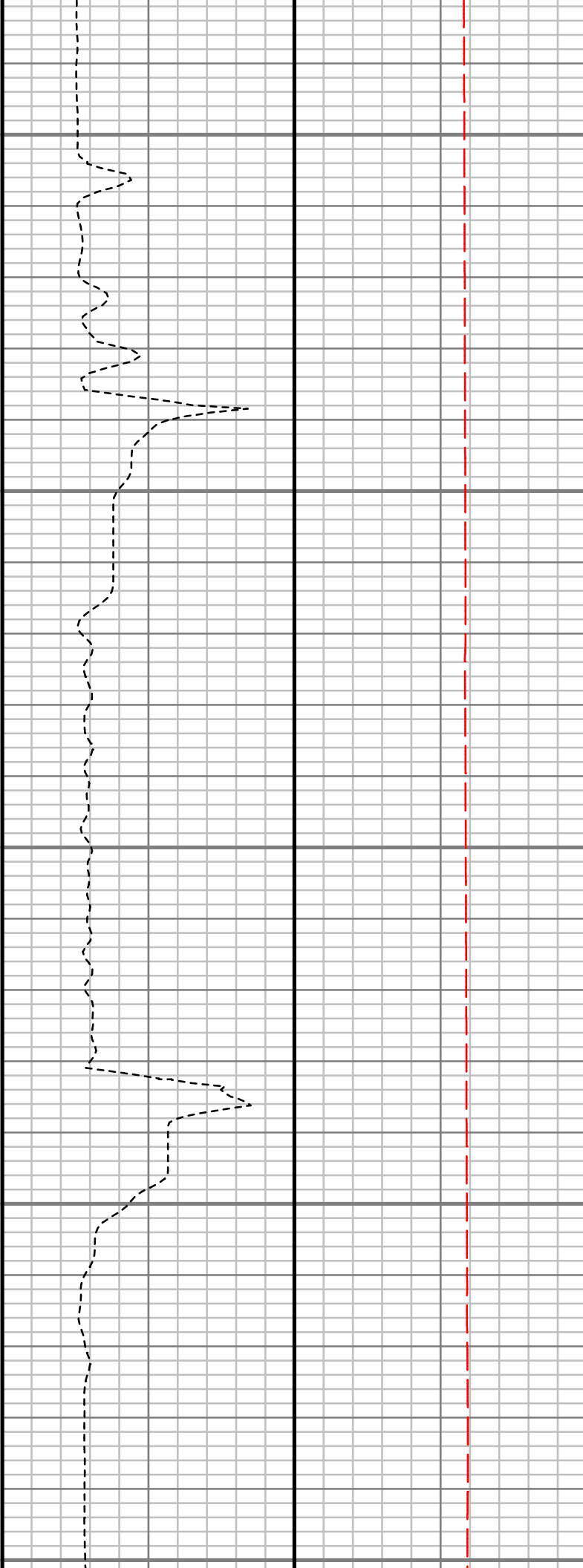
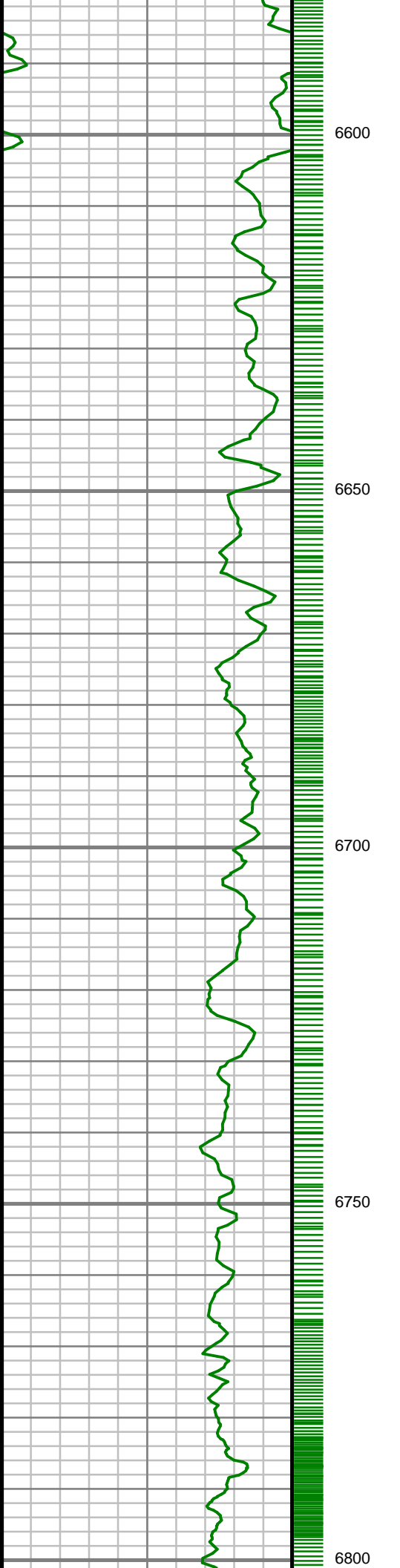
S: 64 MD: 6012.00 ft
Inc: 0.89 deg Az: 4.51
deg TVD: 5812.11 ft

S: 65 MD: 6107.00 ft
Inc: 1.24 deg Az:
352.13 deg TVD:
5907.09 ft



S: 66 MD: 6201.00 ft
Inc: 0.41 deg Az: 18.83
deg TVD: 6001.08 ft

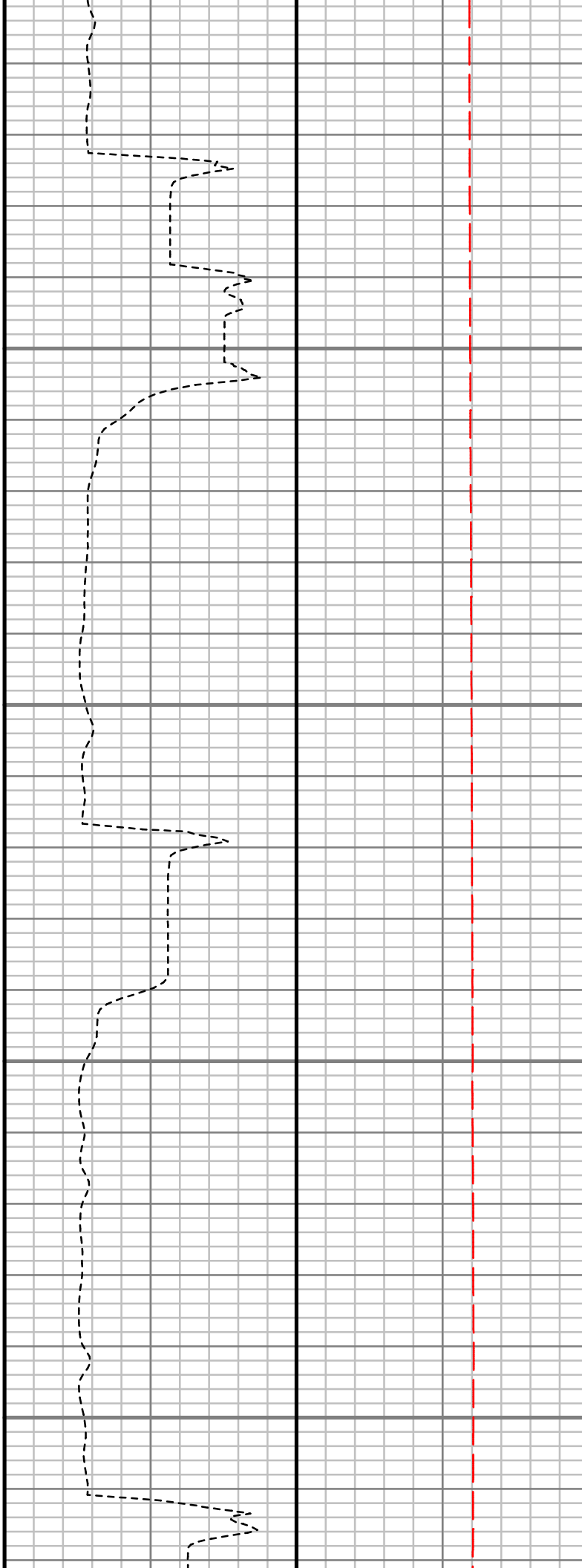
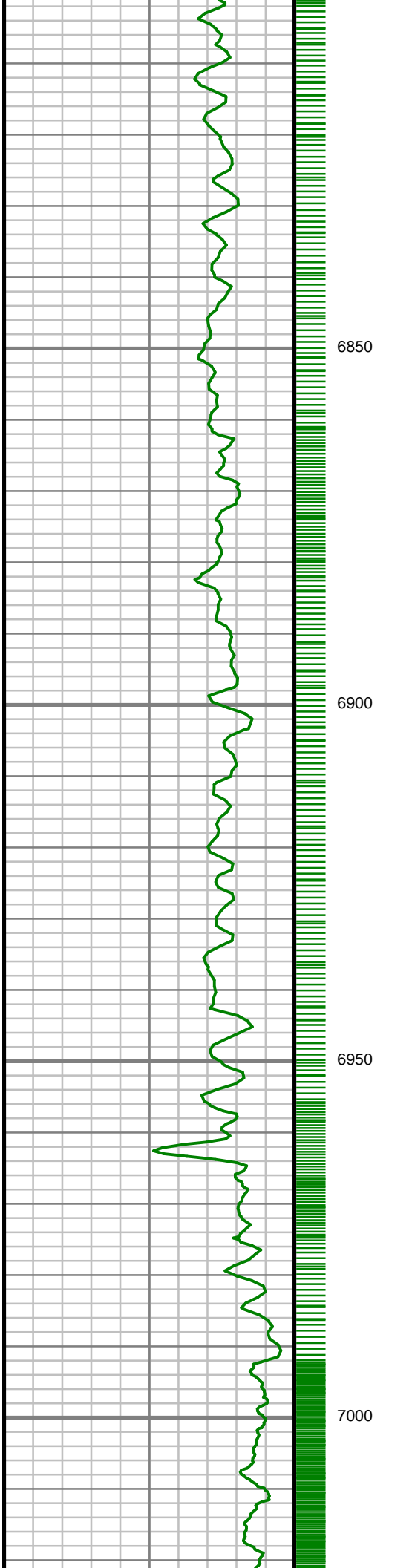
S: 67 MD: 6294.00 ft
Inc: 0.10 deg Az:
242.10 deg TVD:
6094.08 ft



178.83 deg TVD:
6375.02 ft

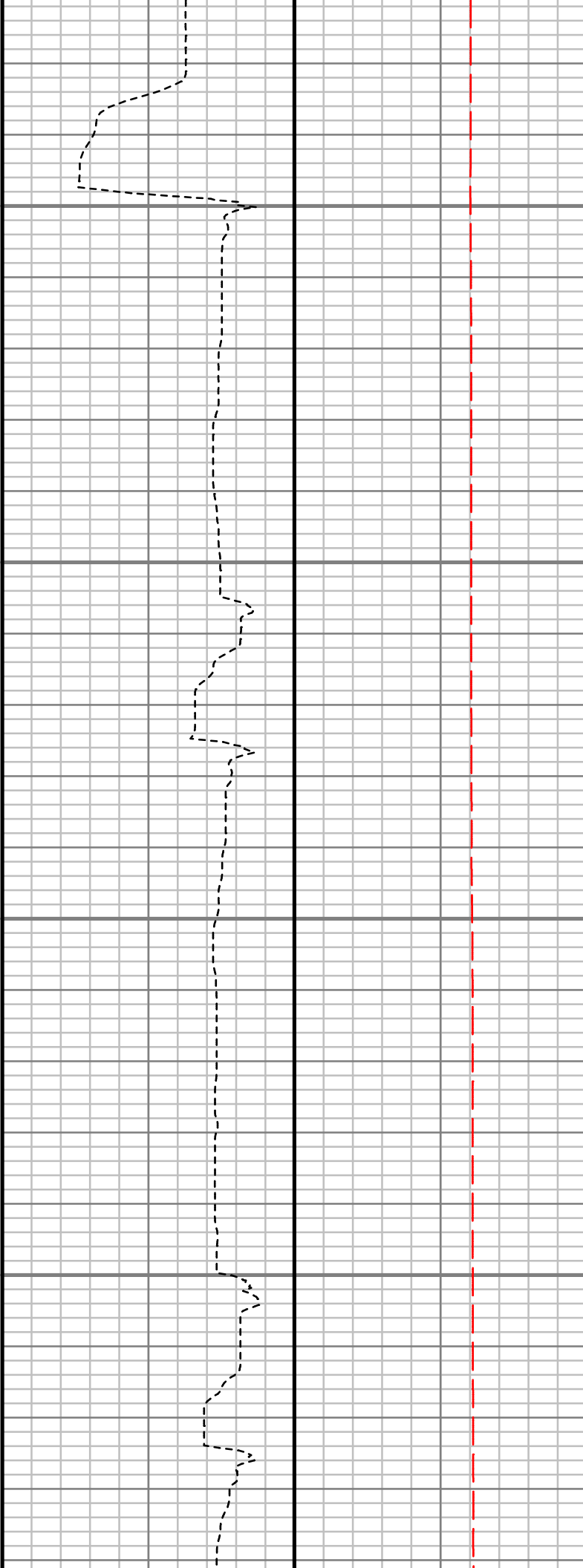
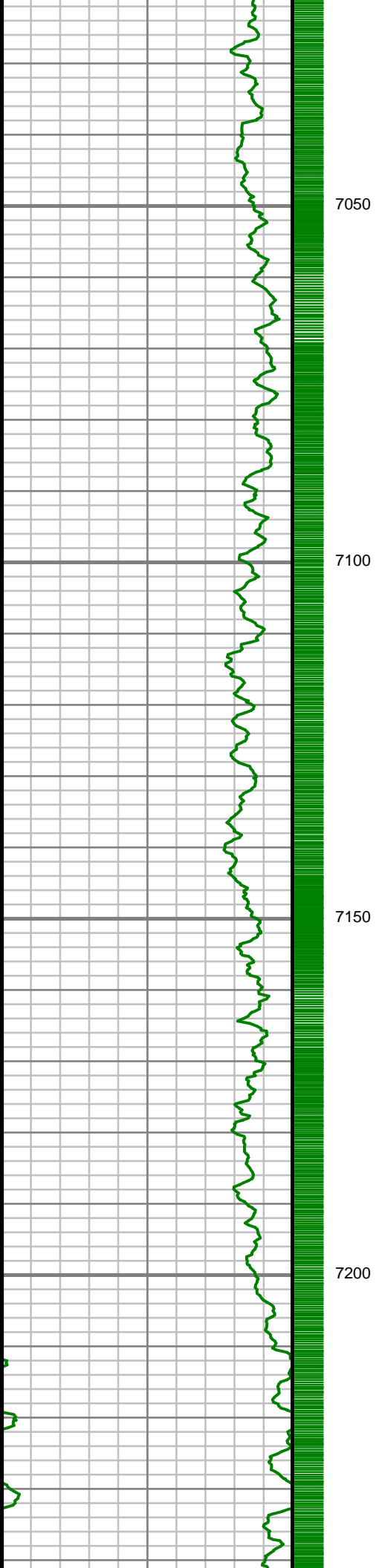
S: 71 MD: 6670.00 ft
Inc: 1.53 deg Az:
199.88 deg TVD:
6469.99 ft

S: 72 MD: 6764.00 ft
Inc: 1.43 deg Az:
230.60 deg TVD:
6563.96 ft



S: 73 MD: 6858.00 ft
Inc: 1.31 deg Az:
225.59 deg TVD:
6657.94 ft

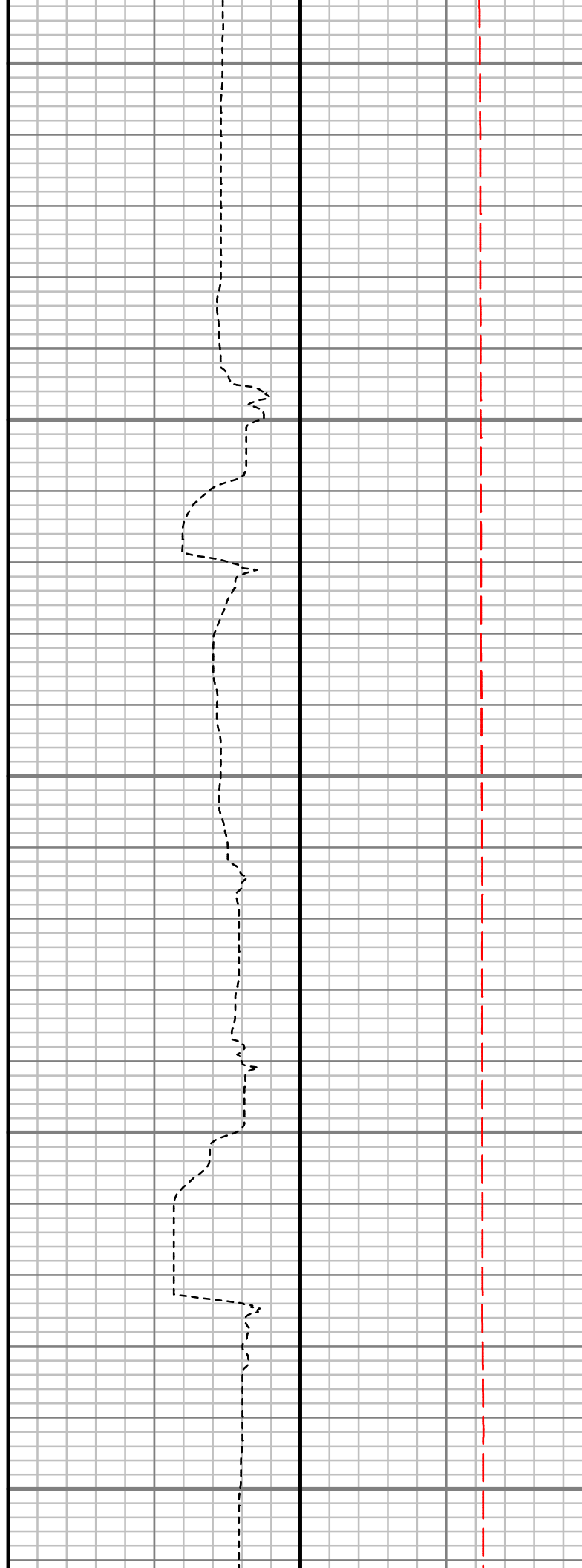
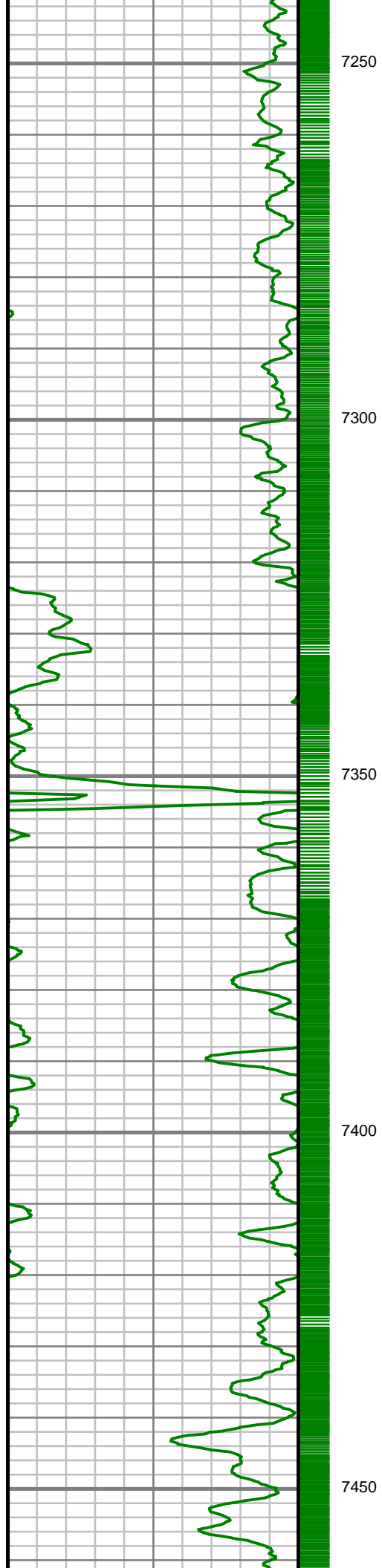
S: 74 MD: 6952.00 ft
Inc: 1.35 deg Az:
221.75 deg TVD:
6751.91 ft



S: 75 MD: 7047.00 ft
Inc: 1.50 deg Az:
215.04 deg TVD:
6846.88 ft

S: 76 MD: 7141.00 ft
Inc: 10.56 deg Az:
181.43 deg TVD:
6940.28 ft

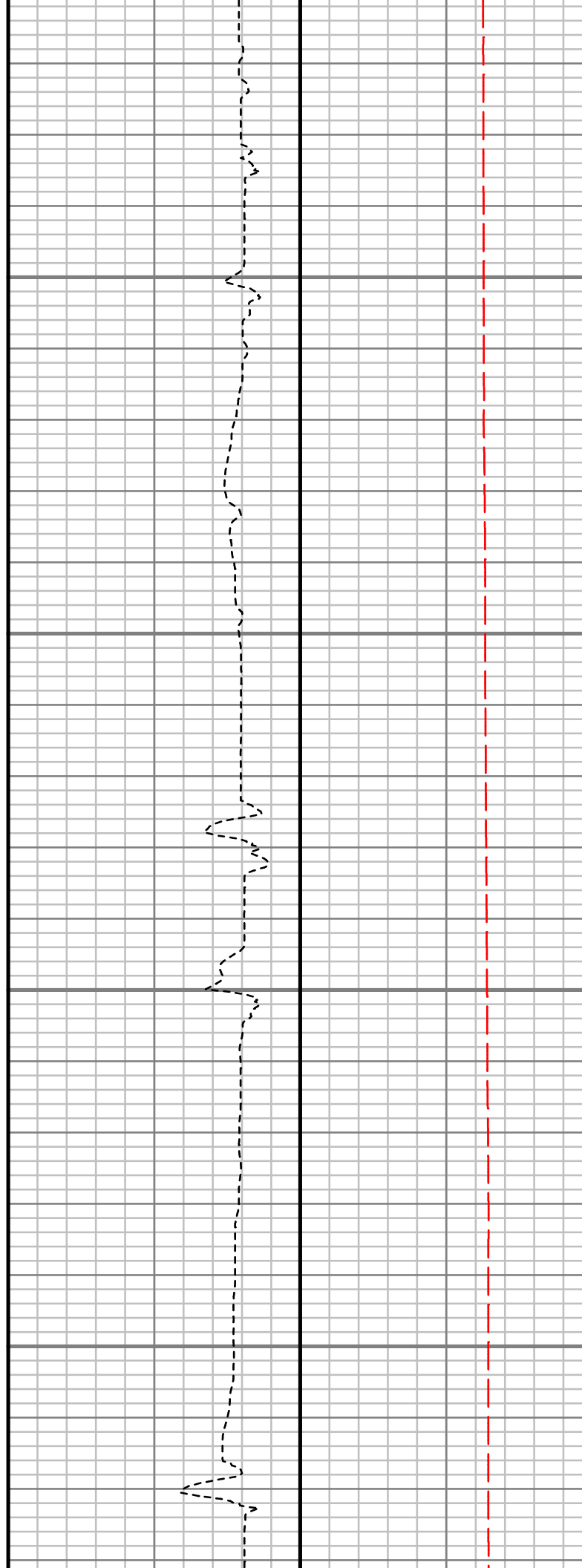
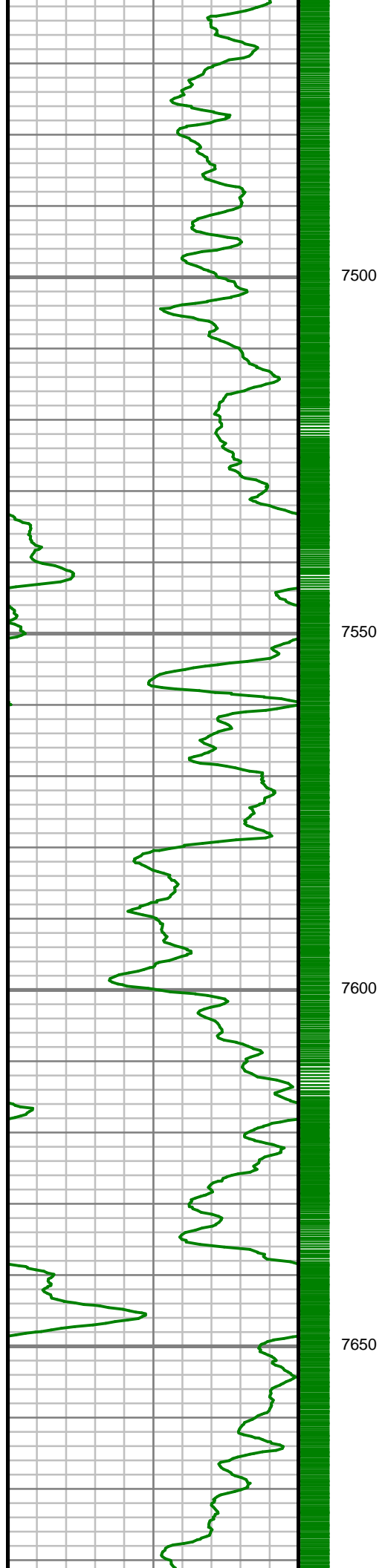
S: 77 MD: 7236.00 ft
Inc: 19.75 deg Az:



177.47 deg TVD:
7031.88 ft

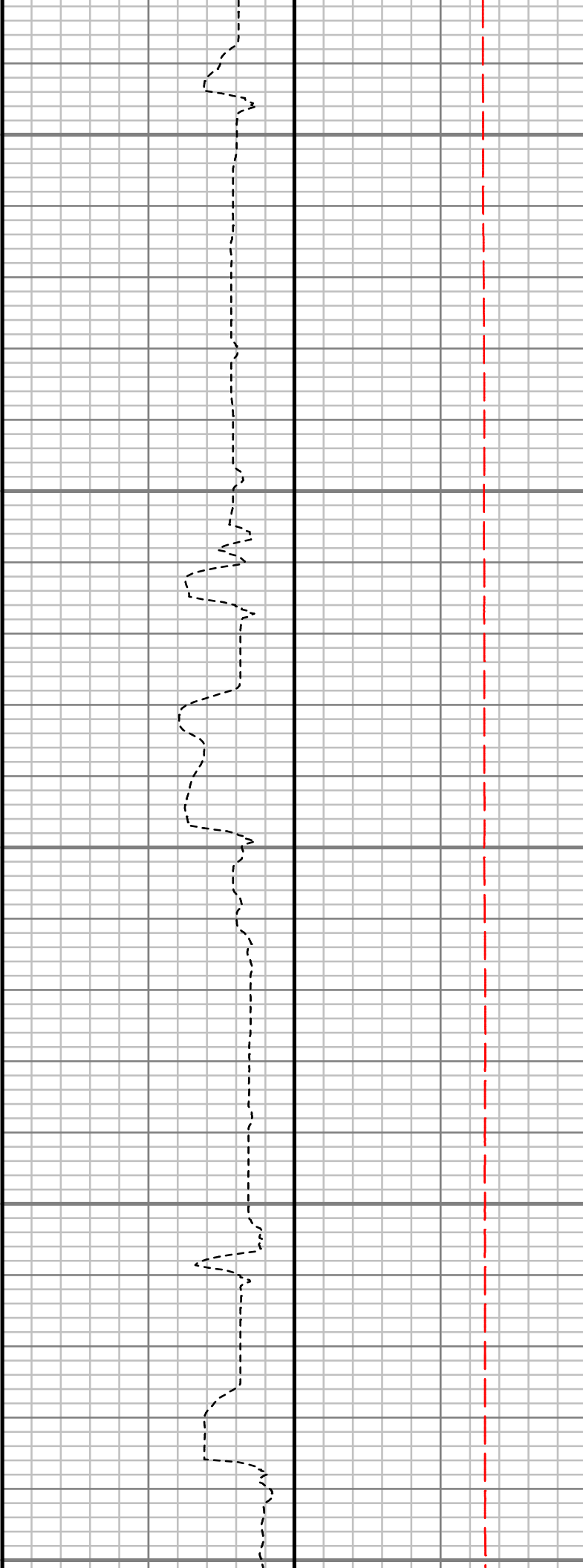
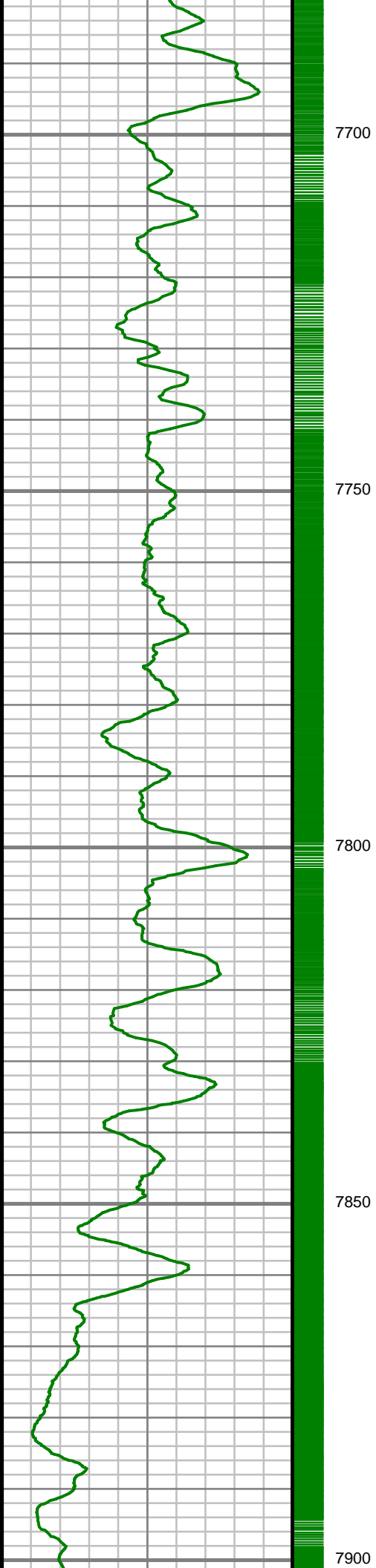
S: 78 MD: 7330.00 ft
Inc: 29.33 deg Az:
176.61 deg TVD:
7117.28 ft

S: 79 MD: 7424.00 ft
Inc: 35.46 deg Az:
177.03 deg TVD:
7196.62 ft



S: 80 MD: 7519.00 ft
Inc: 44.55 deg Az:
179.19 deg TVD:
7269.32 ft

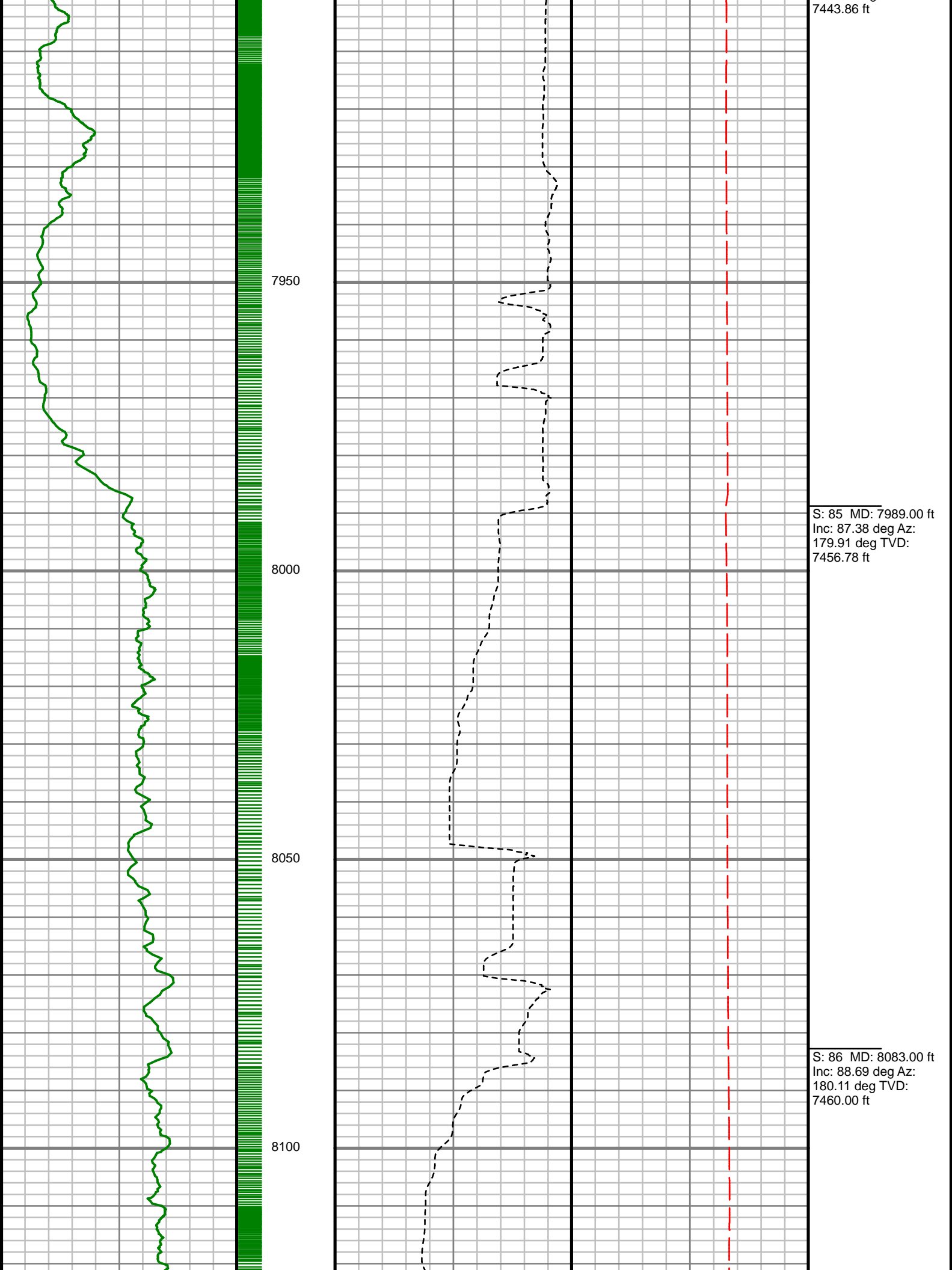
S: 81 MD: 7613.00 ft
Inc: 53.15 deg Az:
179.78 deg TVD:
7331.12 ft

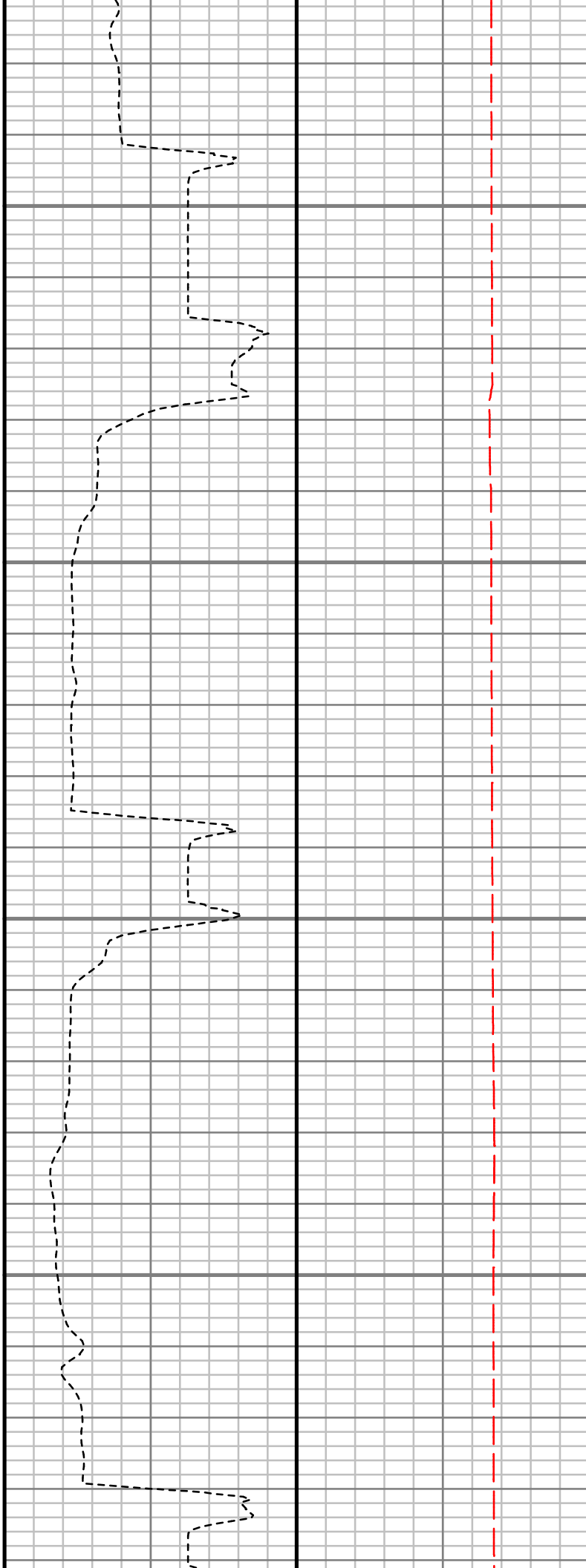
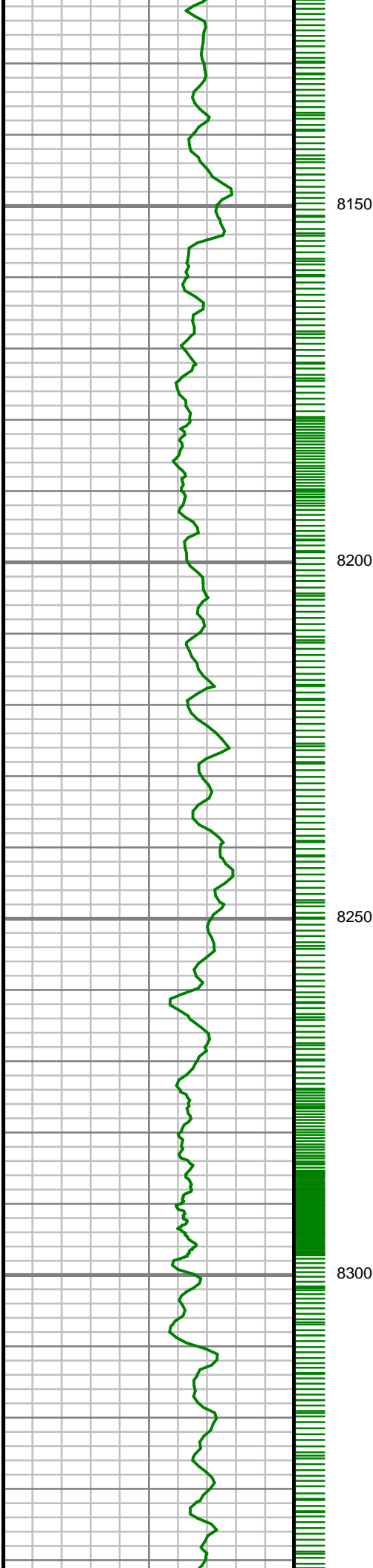


S: 82 MD: 7707.00 ft
Inc: 62.77 deg Az:
183.08 deg TVD:
7380.94 ft

S: 83 MD: 7799.00 ft
Inc: 70.59 deg Az:
182.24 deg TVD:
7417.34 ft

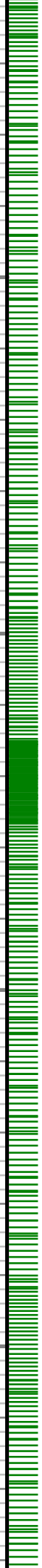
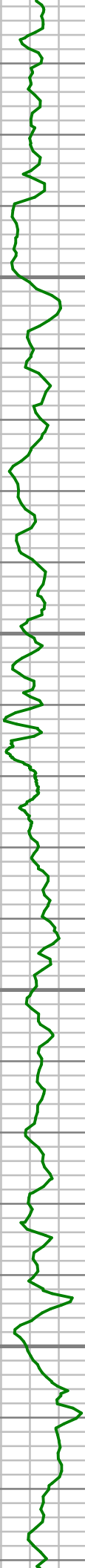
S: 84 MD: 7894.00 ft
Inc: 76.97 deg Az:
184.10 deg TVD:





S: 87 MD: 8177.00 ft
Inc: 89.90 deg Az:
180.74 deg TVD:
7461.16 ft

S: 88 MD: 8270.00 ft
Inc: 91.61 deg Az:
181.96 deg TVD:
7459.94 ft

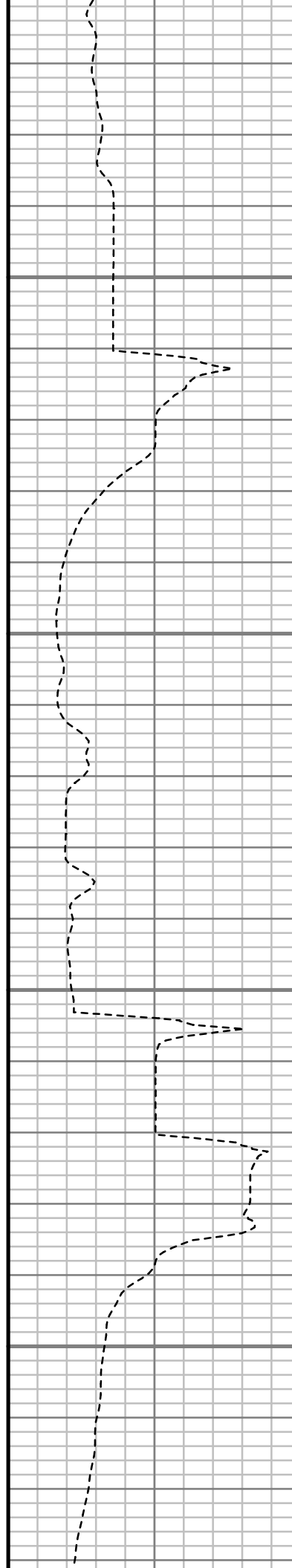


8600

8650

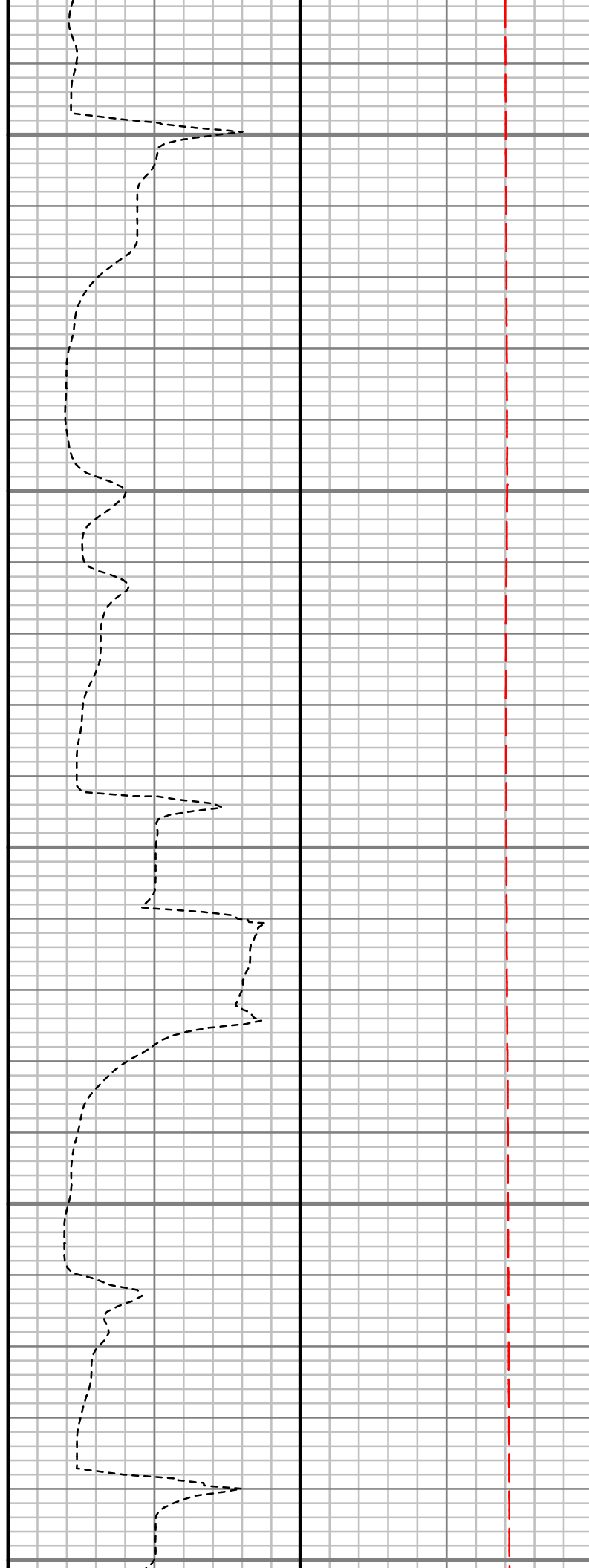
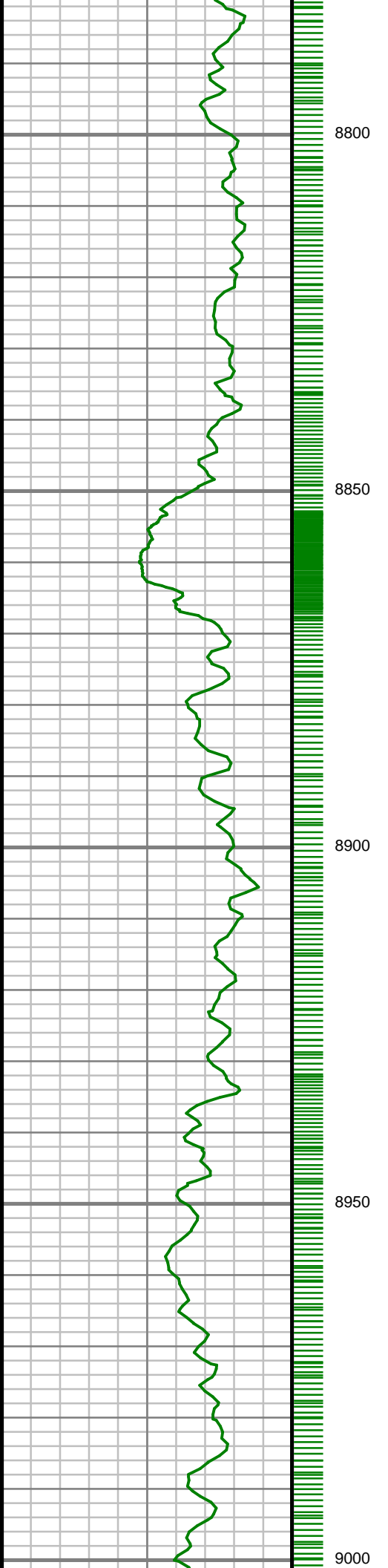
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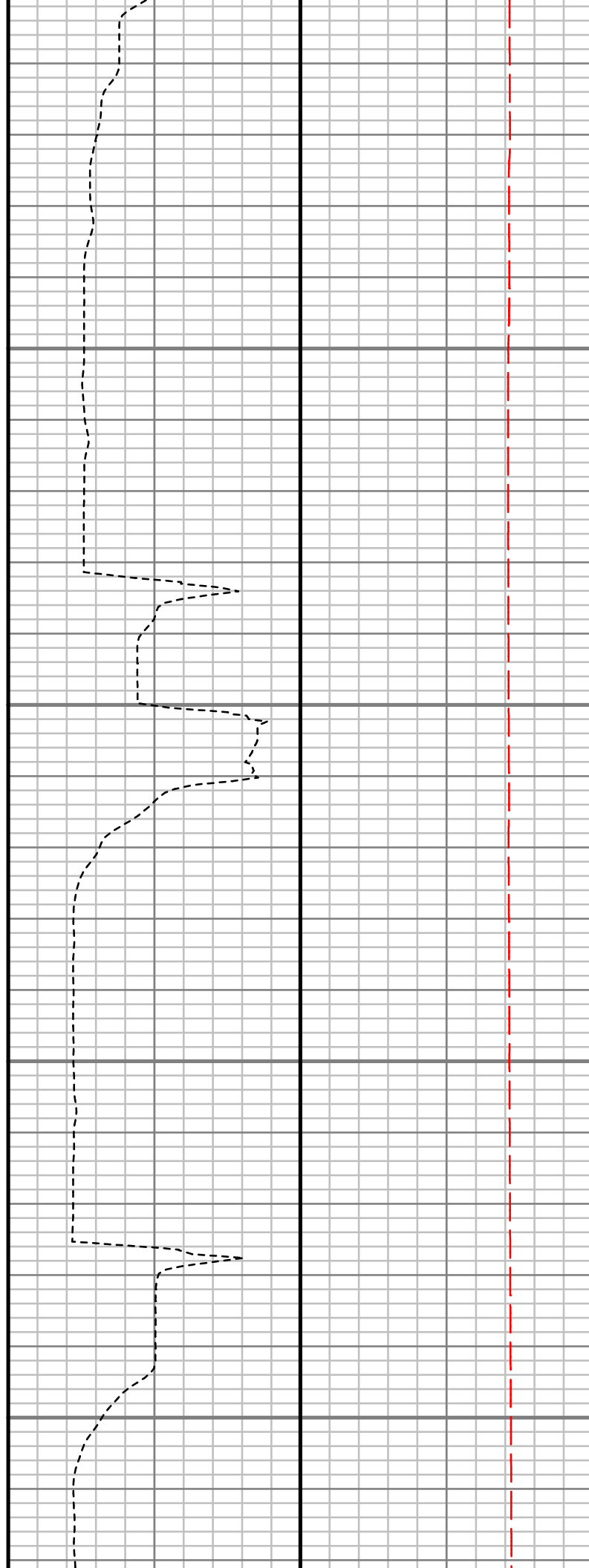
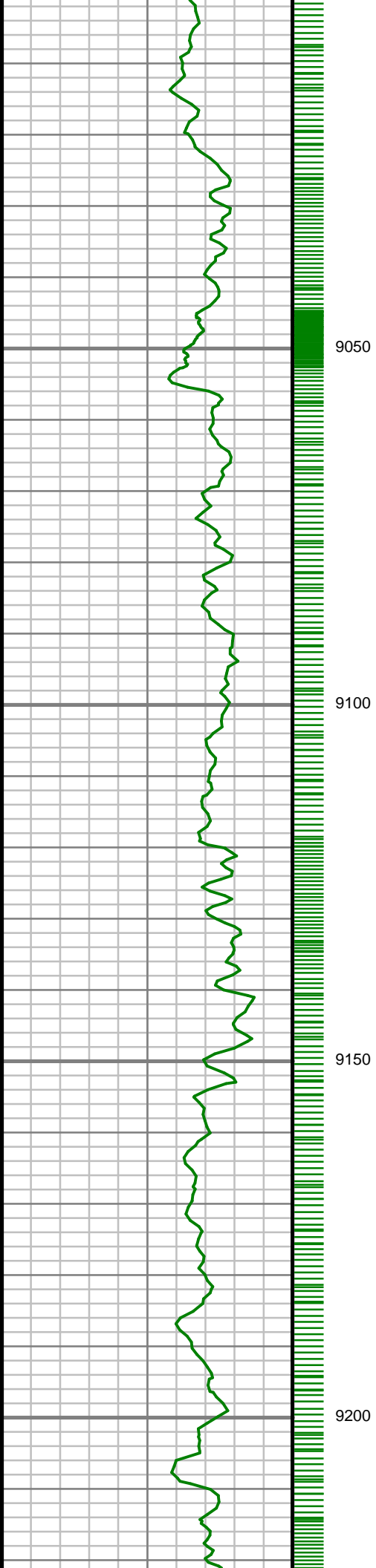
S: 92 MD: 8644.00 ft
Inc: 89.93 deg Az:
179.04 deg TVD:
7460.69 ft

S: 93 MD: 8738.00 ft
Inc: 89.56 deg Az:
180.25 deg TVD:
7461.11 ft



S: 94 MD: 8832.00 ft
Inc: 89.26 deg Az:
179.38 deg TVD:
7462.07 ft

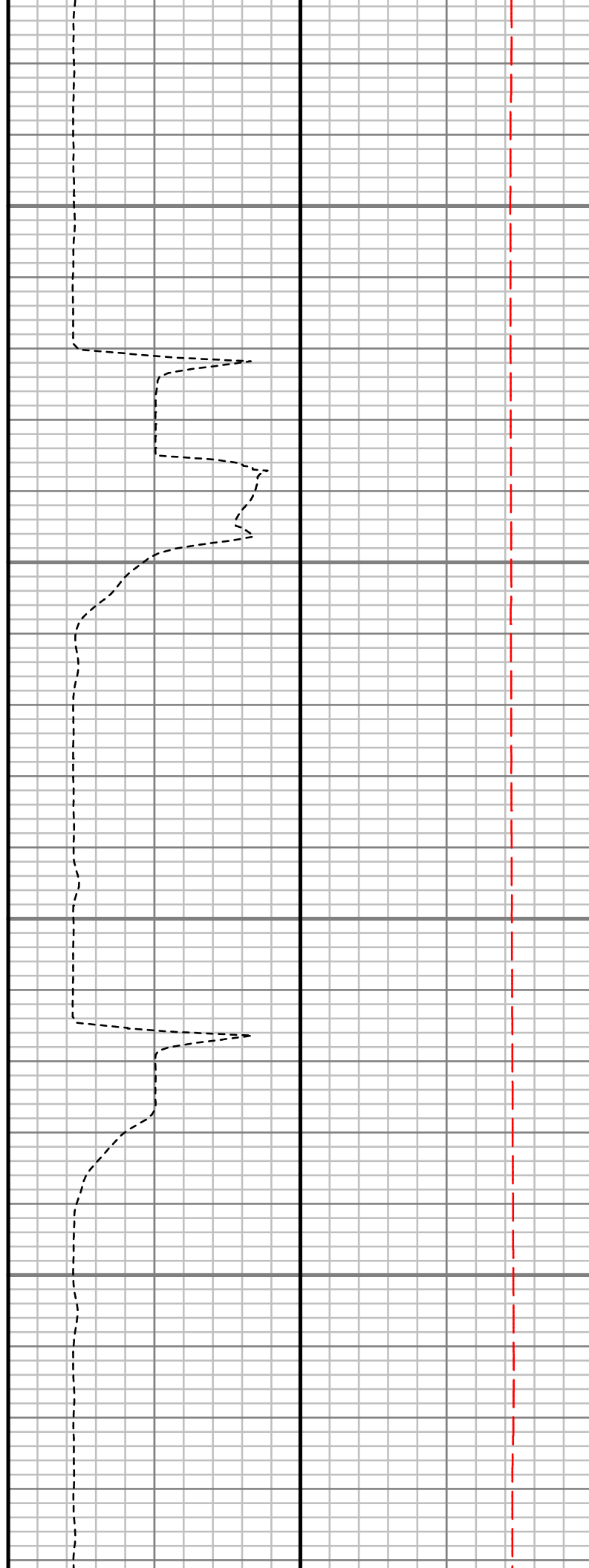
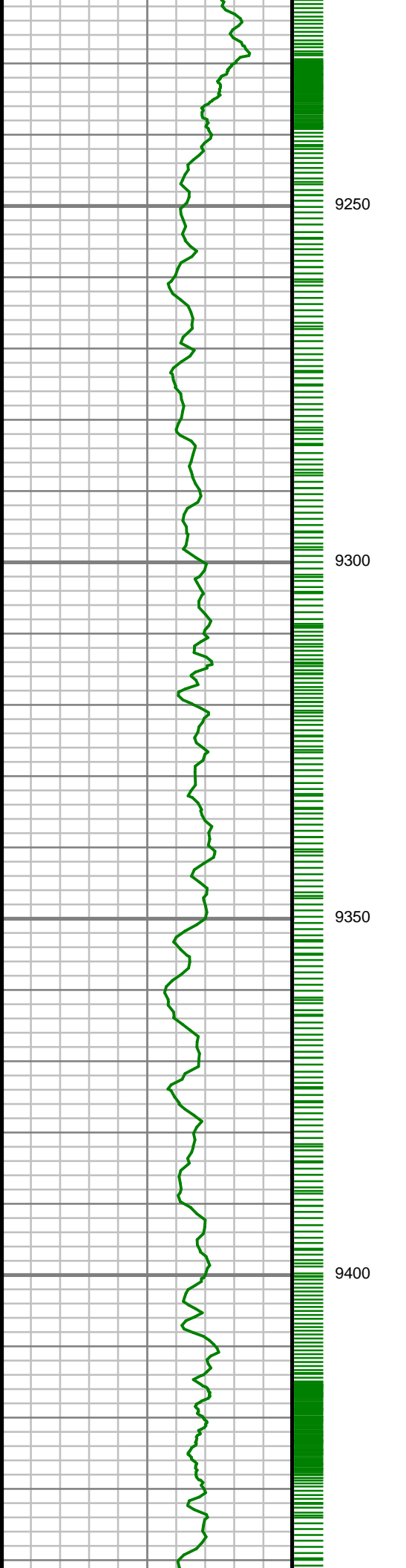
S: 95 MD: 8927.00 ft
Inc: 90.20 deg Az:
181.44 deg TVD:
7462.52 ft



S: 96 MD: 9021.00 ft
Inc: 90.87 deg Az:
181.69 deg TVD:
7461.63 ft

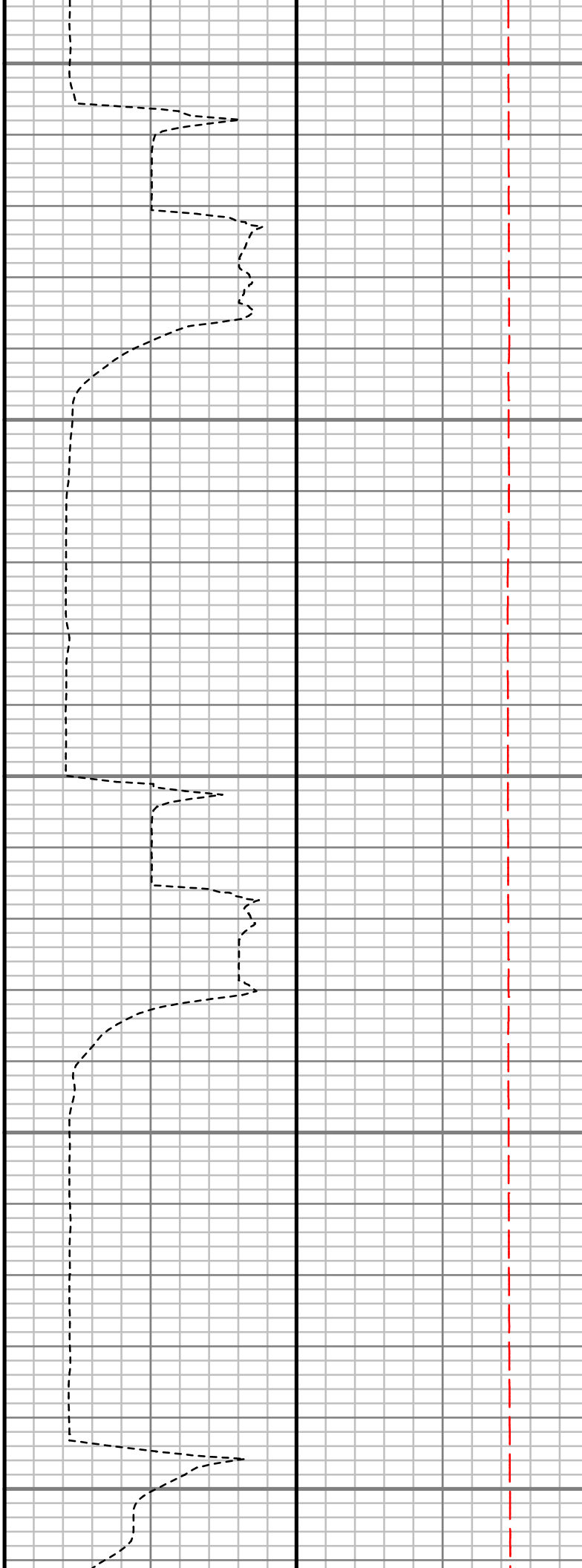
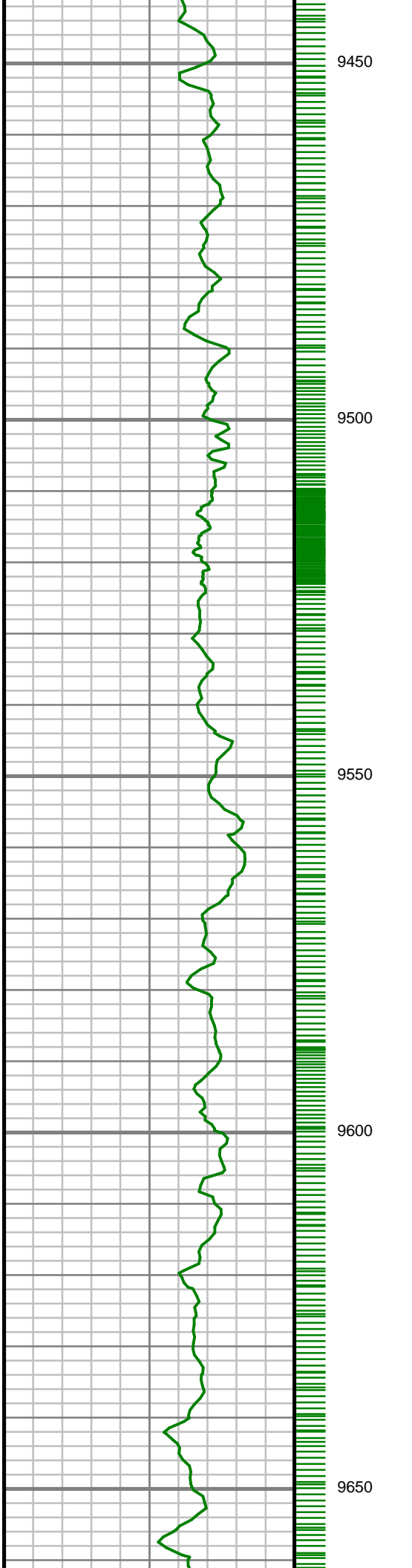
S: 97 MD: 9115.00 ft
Inc: 89.60 deg Az:
180.93 deg TVD:
7461.25 ft

S: 98 MD: 9209.00 ft
Inc: 90.94 deg Az:
181.32 deg TVD:
7460.80 ft



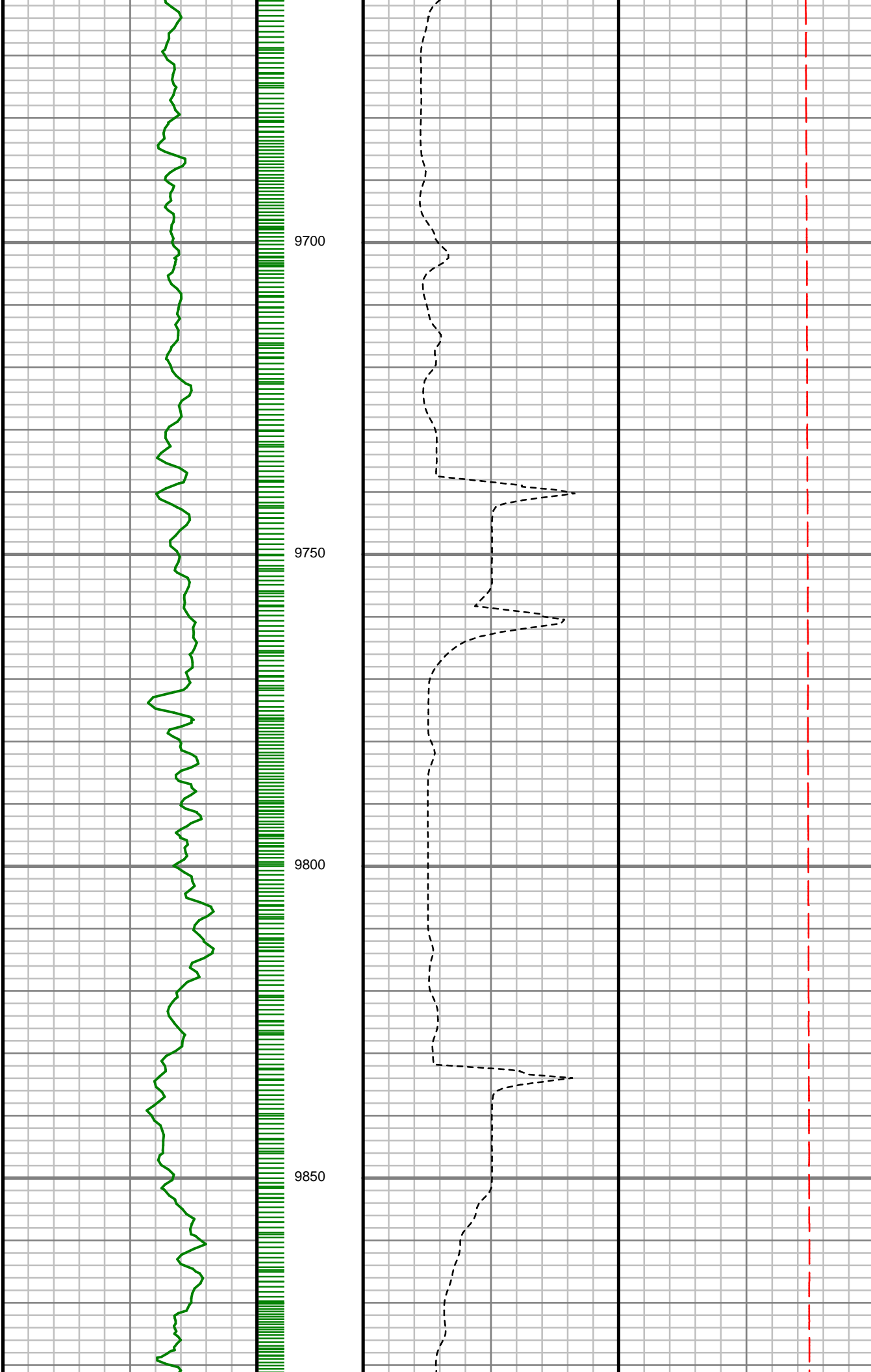
S: 99 MD: 9302.00 ft
Inc: 89.76 deg Az:
180.44 deg TVD:
7460.23 ft

S: 100 MD: 9397.00 ft
Inc: 88.96 deg Az:
178.25 deg TVD:
7461.29 ft



S: 101 MD: 9491.00 ft
Inc: 88.46 deg Az:
179.05 deg TVD:
7463.41 ft

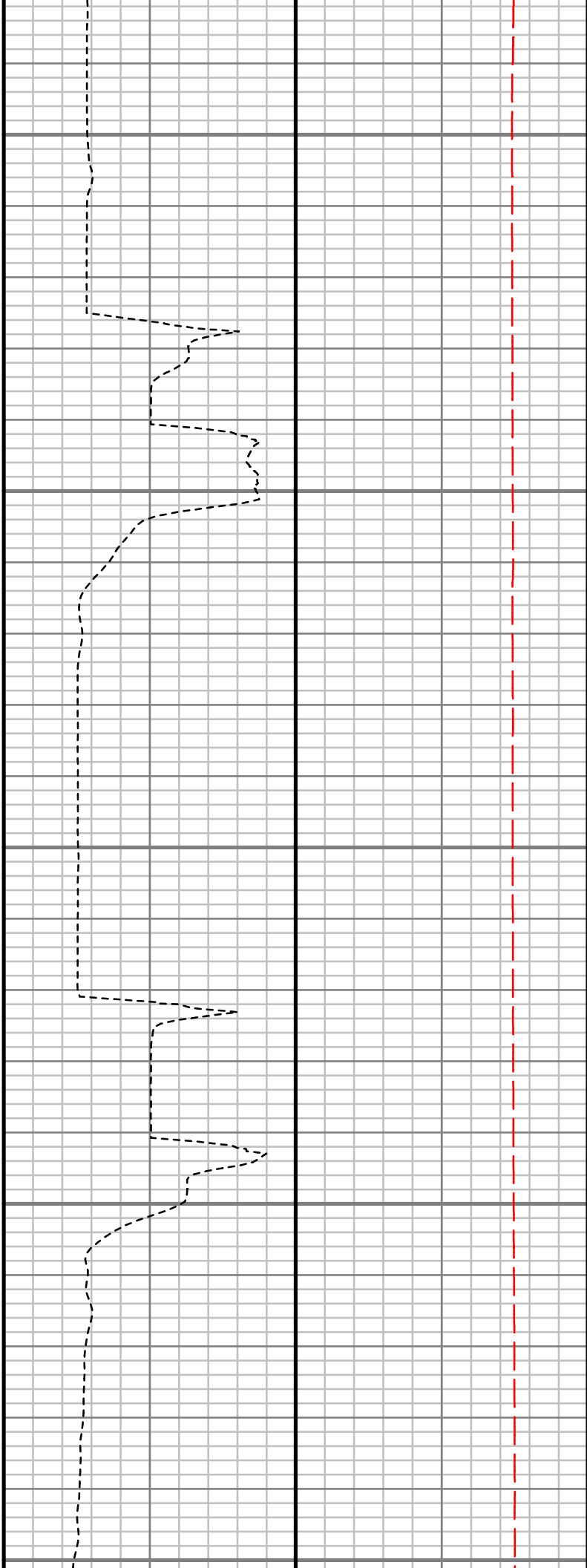
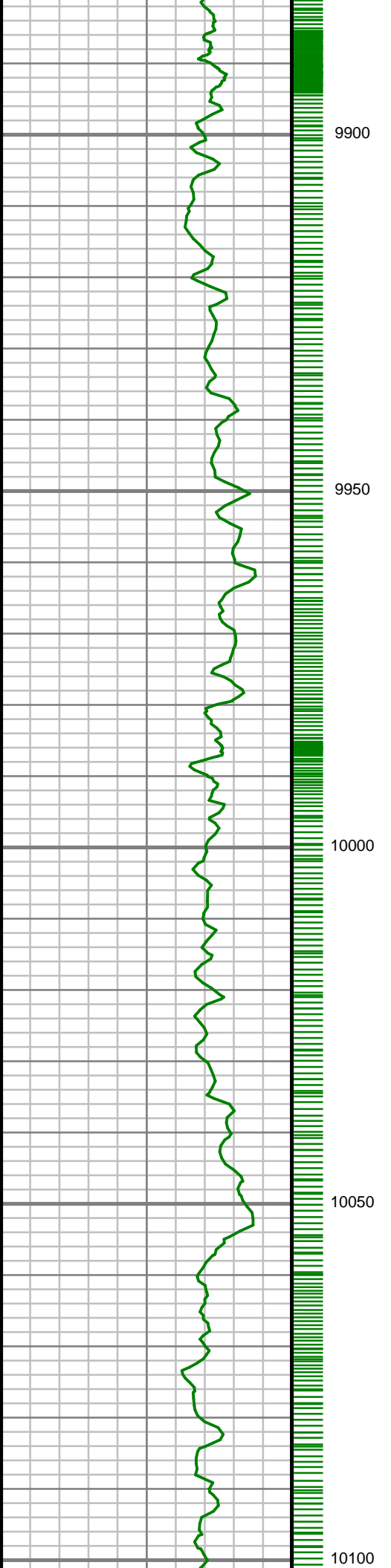
S: 102 MD: 9586.00 ft
Inc: 89.09 deg Az:
181.49 deg TVD:
7465.44 ft



S: 103 MD: 9679.00 ft
Inc: 89.66 deg Az:
181.47 deg TVD:
7466.45 ft

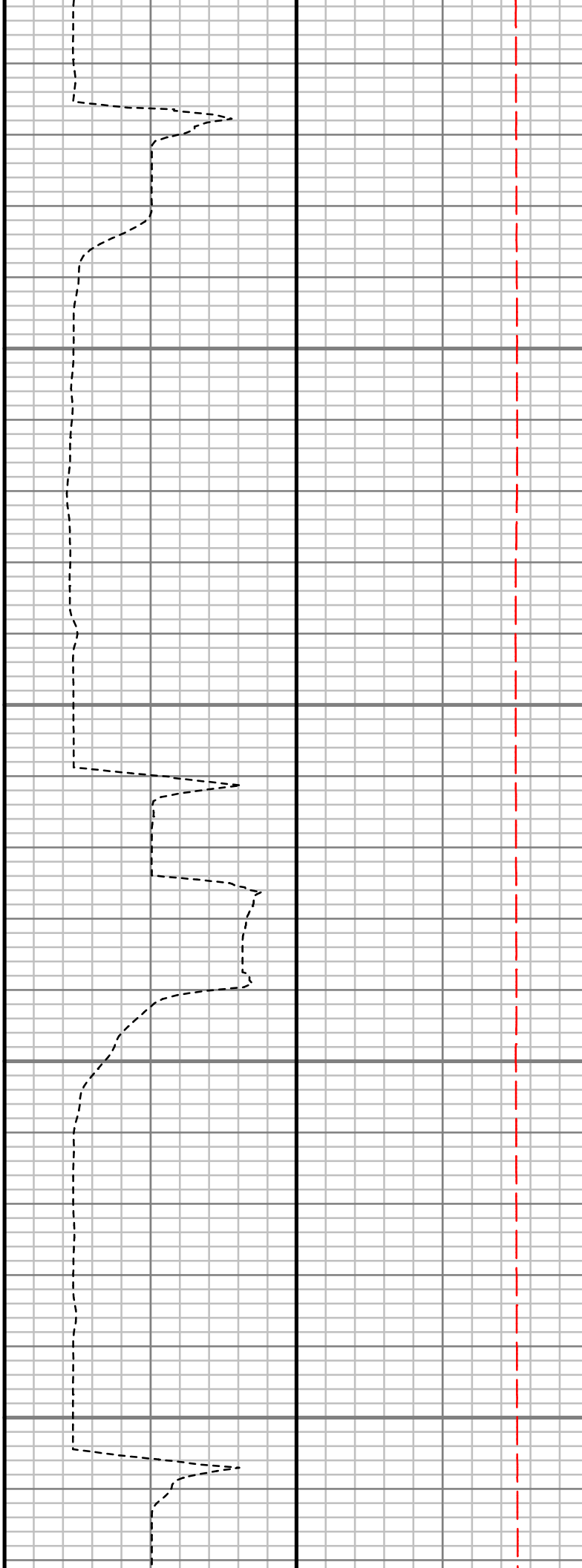
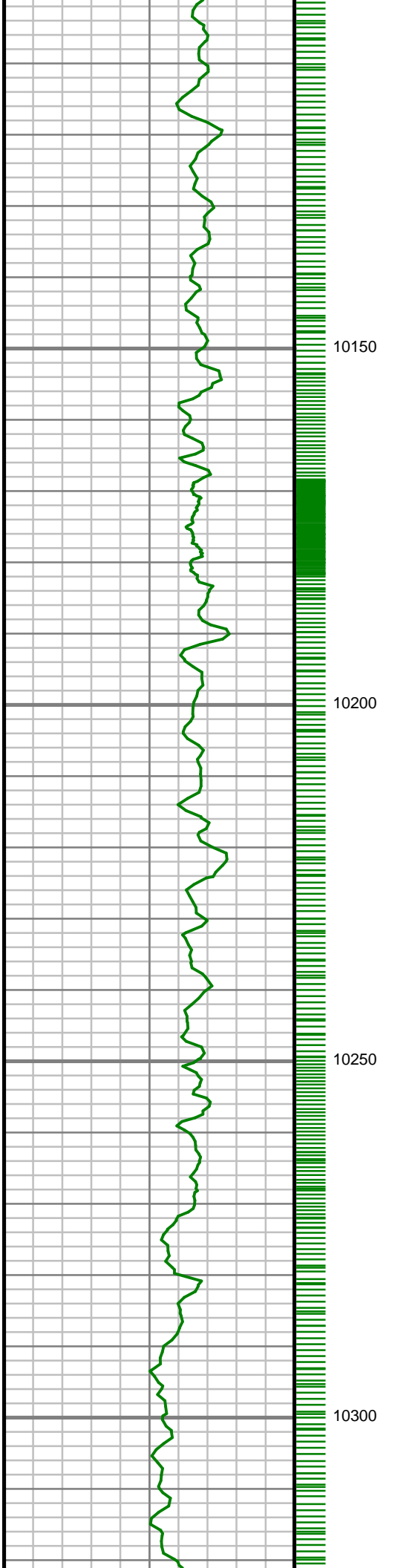
S: 104 MD: 9773.00 ft
Inc: 89.73 deg Az:
180.27 deg TVD:
7466.94 ft

S: 105 MD: 9865.00 ft
Inc: 91.28 deg Az:
181.00 deg TVD:
7466.13 ft



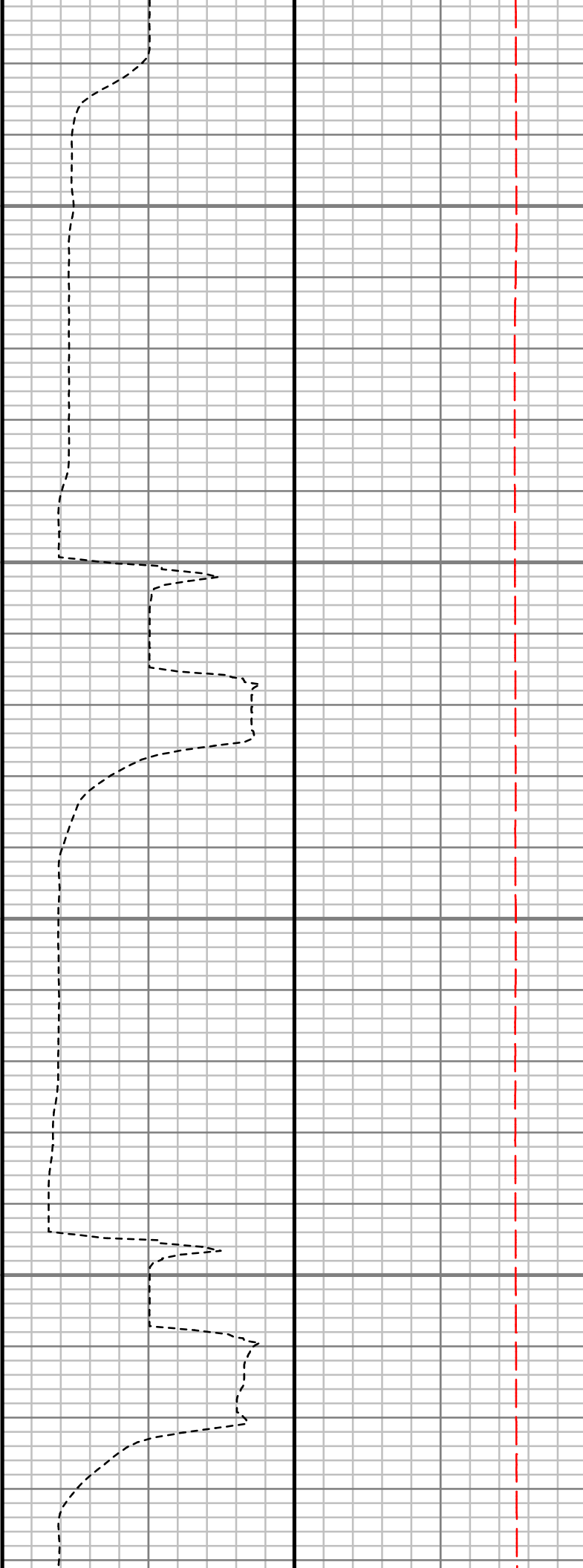
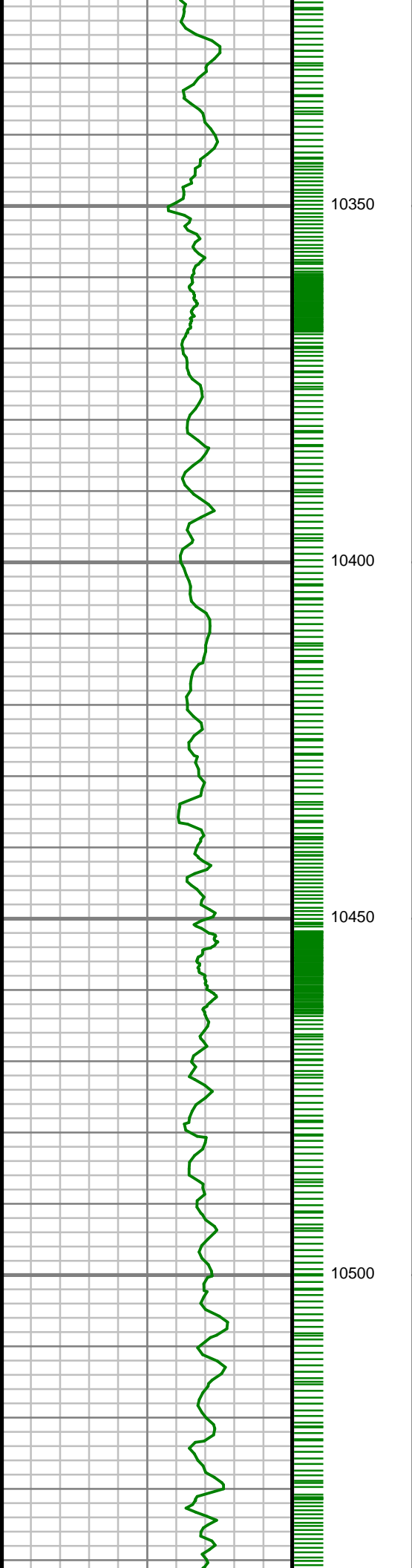
S: 106 MD: 9961.00 ft
Inc: 90.37 deg Az:
181.54 deg TVD:
7464.75 ft

S: 107 MD: 10055.00 ft
Inc: 90.67 deg Az:
181.31 deg TVD:
7463.90 ft



S: 108 MD: 10150.00 ft
Inc: 91.21 deg Az:
181.12 deg TVD:
7462.34 ft

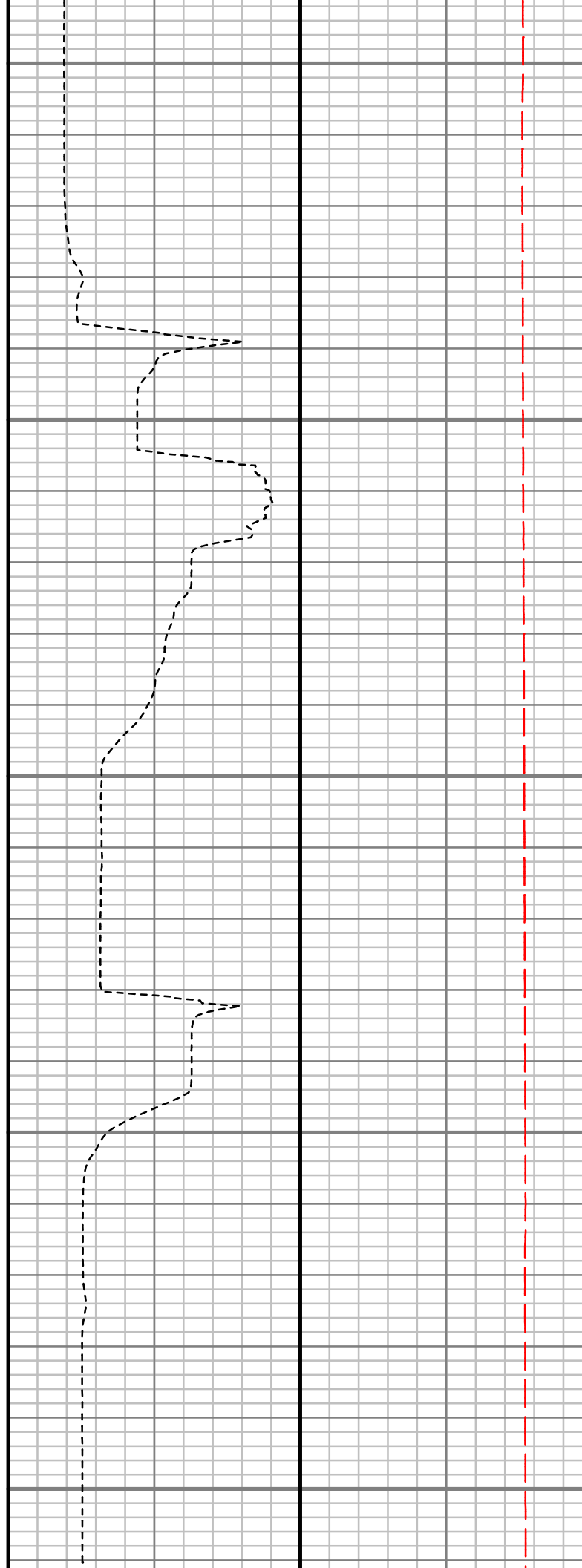
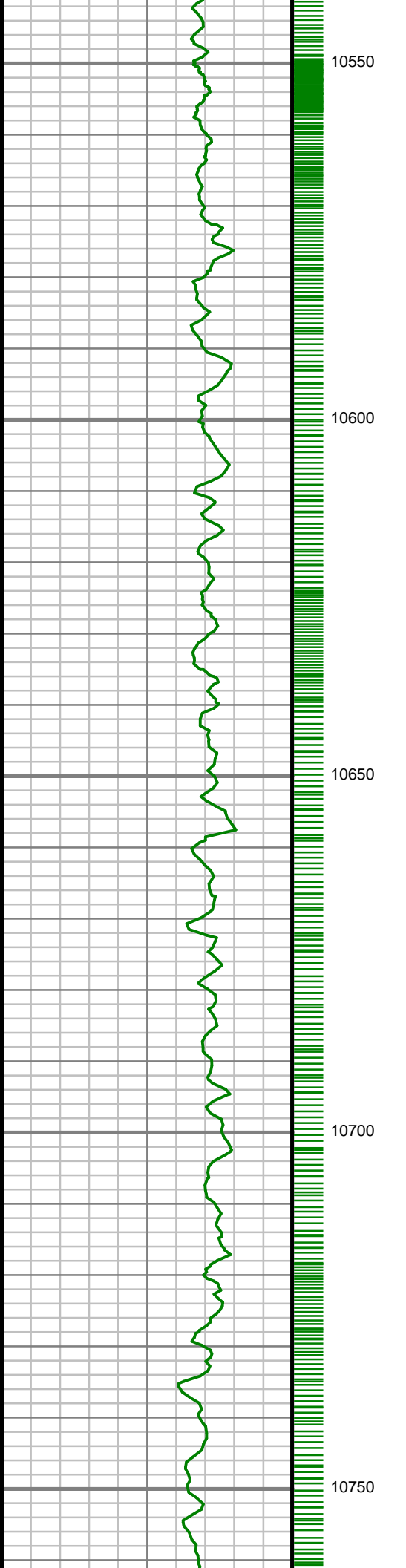
S: 109 MD: 10245.00 ft
Inc: 90.37 deg Az:
178.43 deg TVD:
7461.03 ft



S: 110 MD: 10340.00 ft
Inc: 90.71 deg Az:
177.54 deg TVD:
7460.13 ft

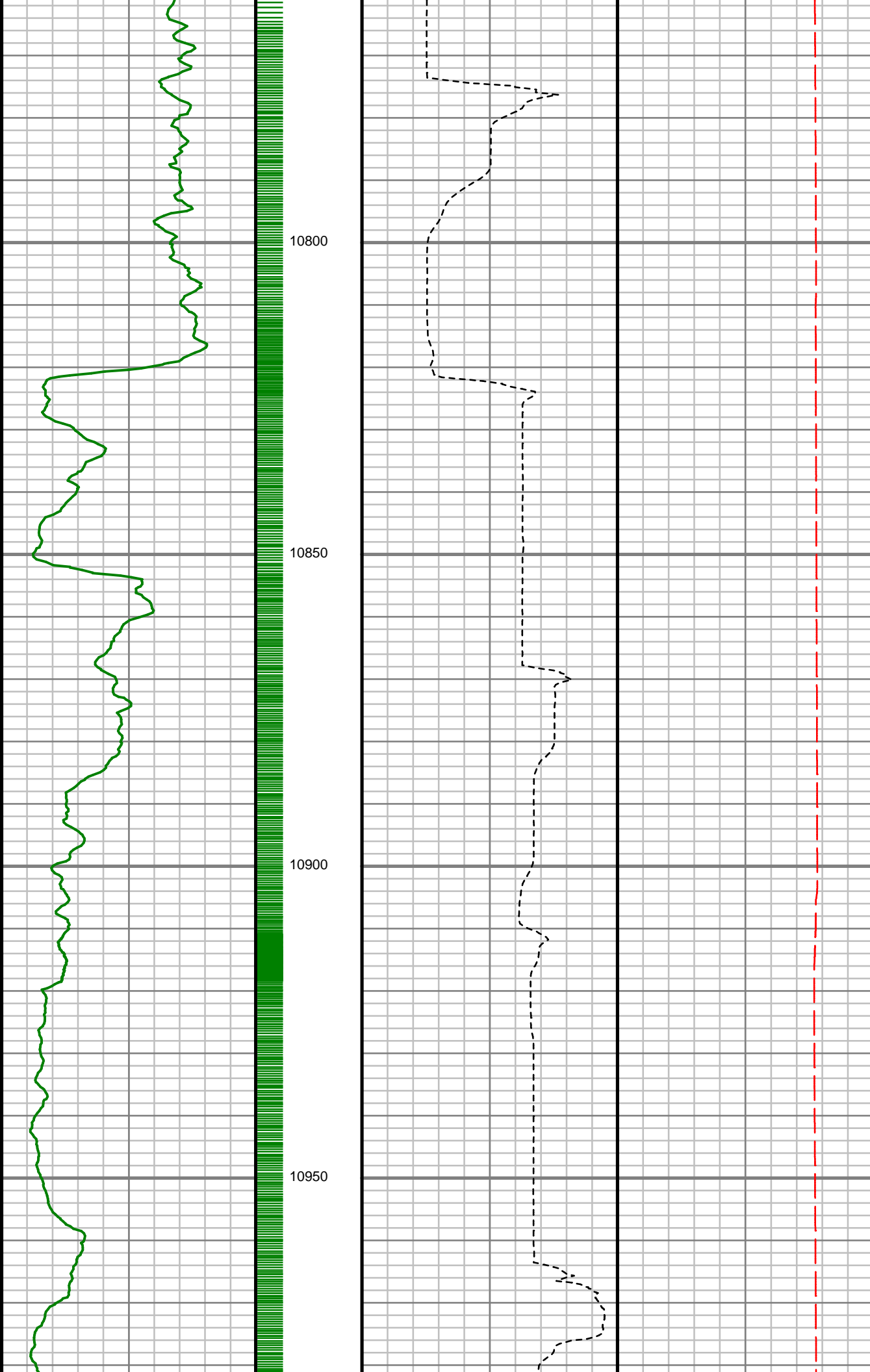
S: 111 MD: 10434.00 ft
Inc: 89.97 deg Az:
178.08 deg TVD:
7459.58 ft

S: 112 MD: 10528.00 ft
Inc: 90.34 deg Az:
180.27 deg TVD:
7459.33 ft



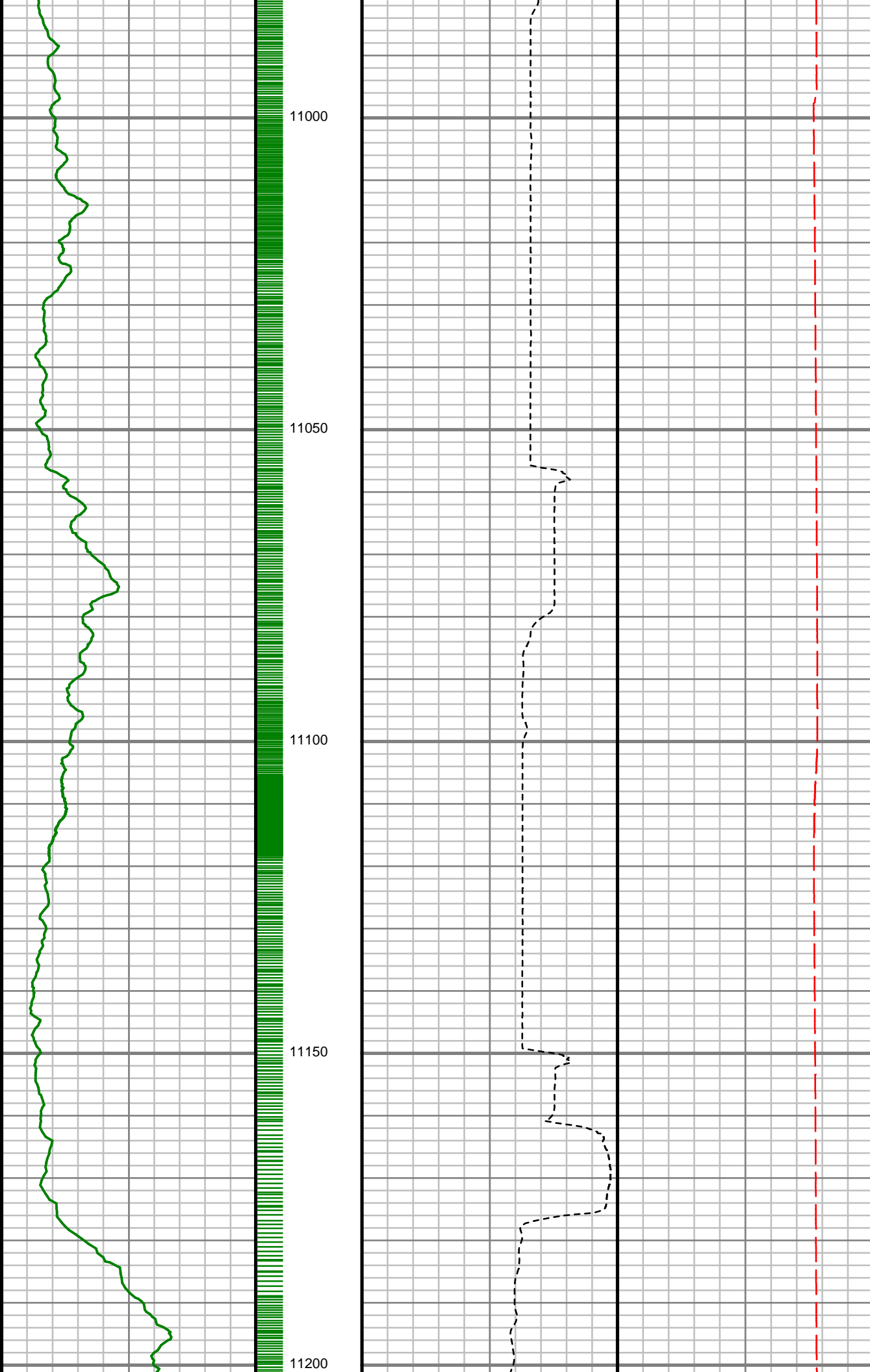
S: 113 MD: 10622.00 ft
Inc: 88.96 deg Az:
180.36 deg TVD:
7459.91 ft

S: 114 MD: 10714.00 ft
Inc: 89.03 deg Az:
180.19 deg TVD:
7461.53 ft



S: 115 MD: 10809.00 ft
Inc: 88.92 deg Az:
179.85 deg TVD:
7463.23 ft

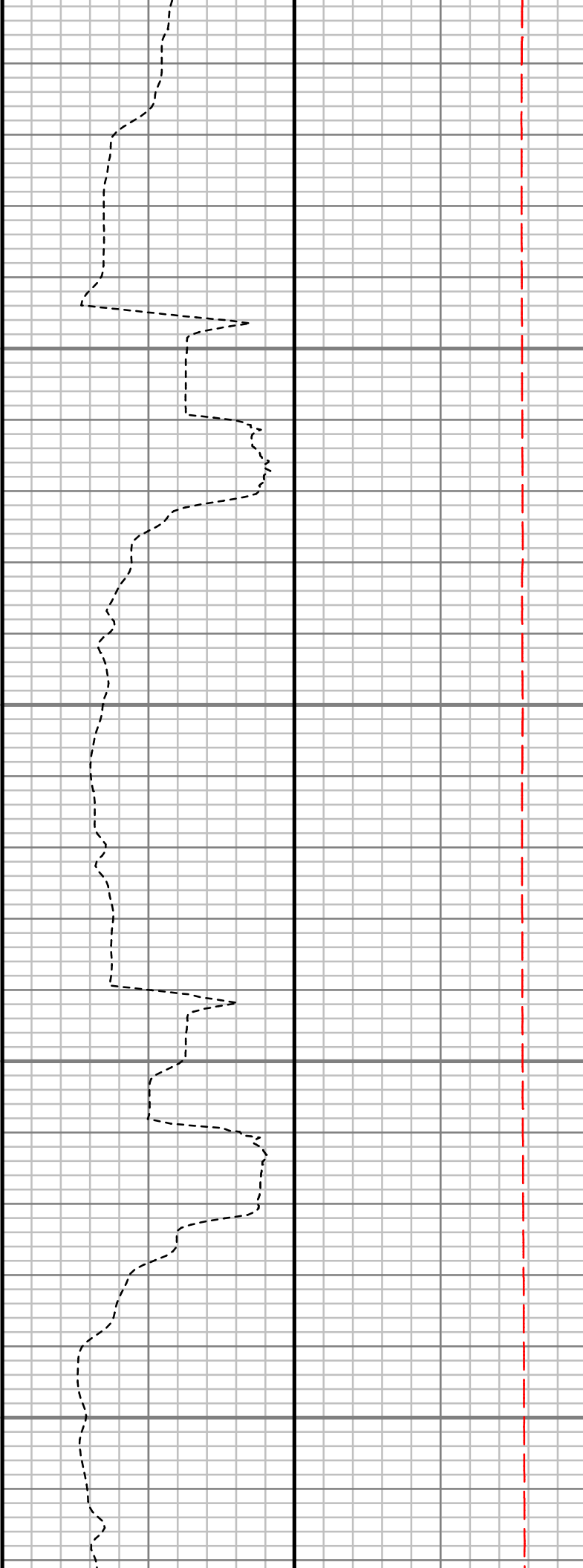
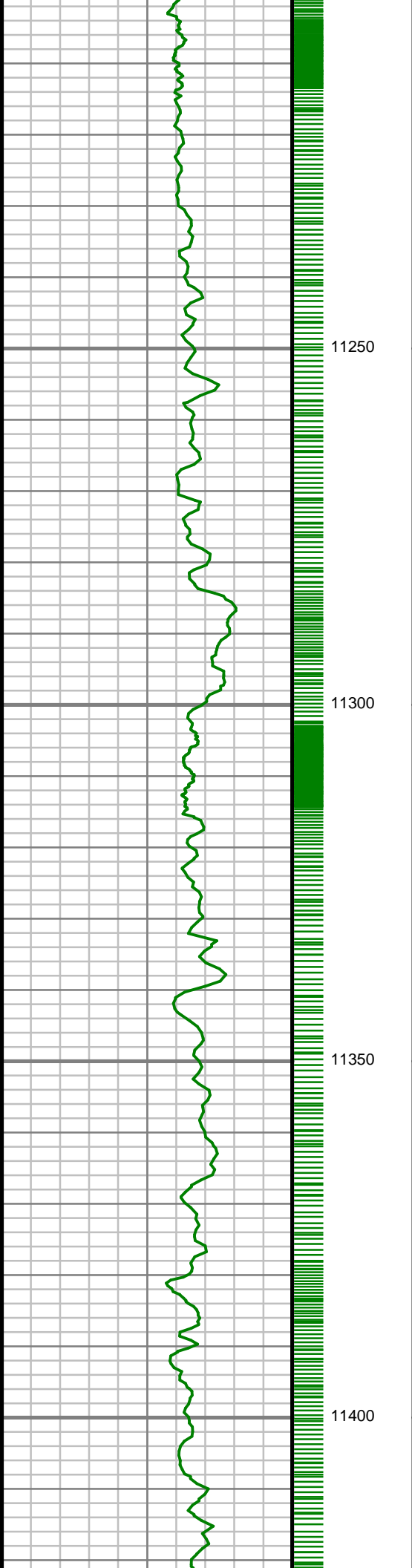
S: 116 MD: 10902.00 ft
Inc: 89.09 deg Az:
178.96 deg TVD:
7464.84 ft



S: 117 MD: 10997.00 ft
Inc: 88.22 deg Az:
178.30 deg TVD:
7467.07 ft

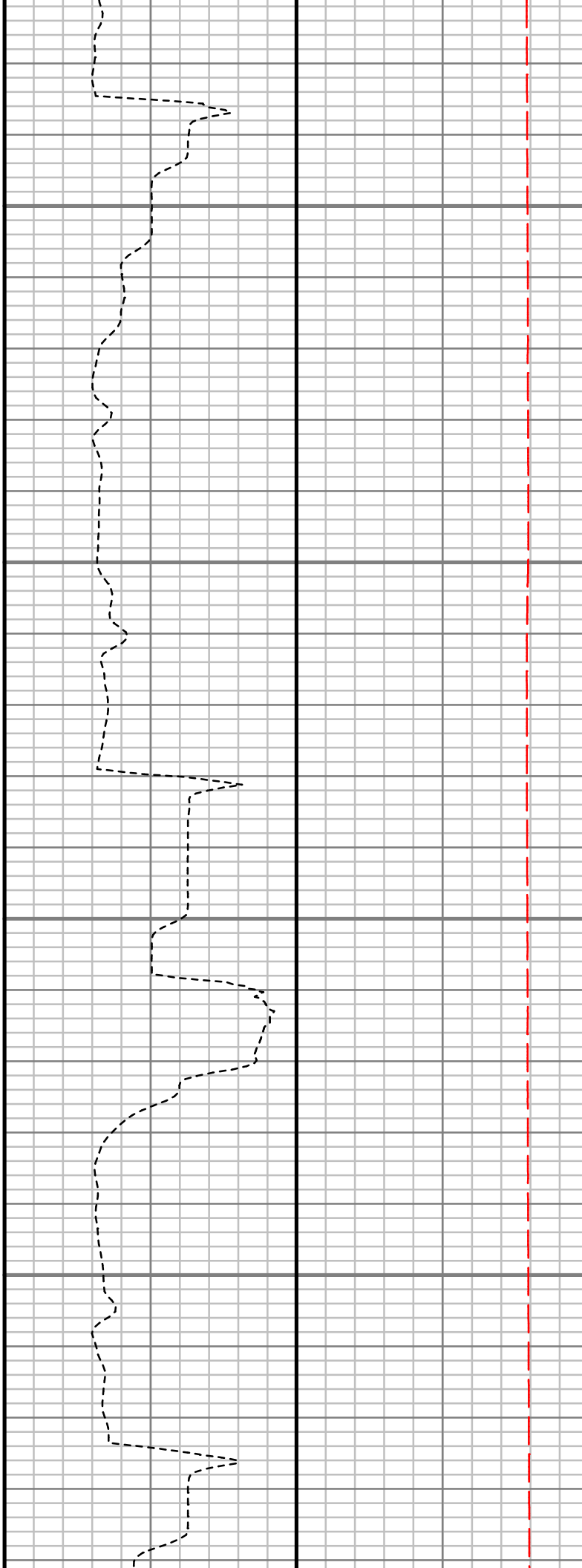
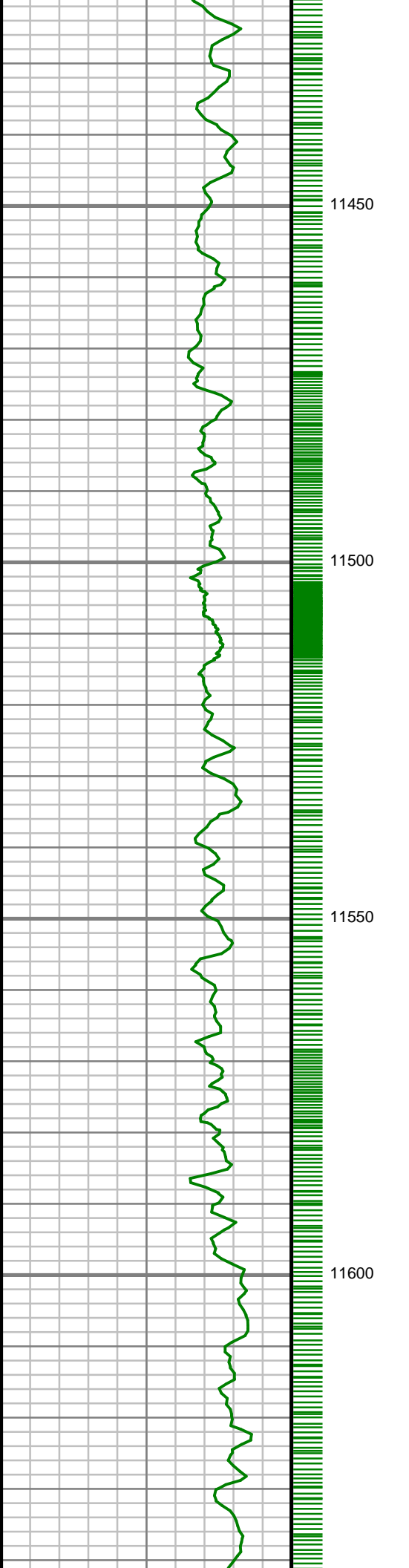
S: 118 MD: 11091.00 ft
Inc: 88.02 deg Az:
177.66 deg TVD:
7470.15 ft

S: 119 MD: 11185.00 ft
Inc: 87.59 deg Az:
179.53 deg TVD:
7473.75 ft



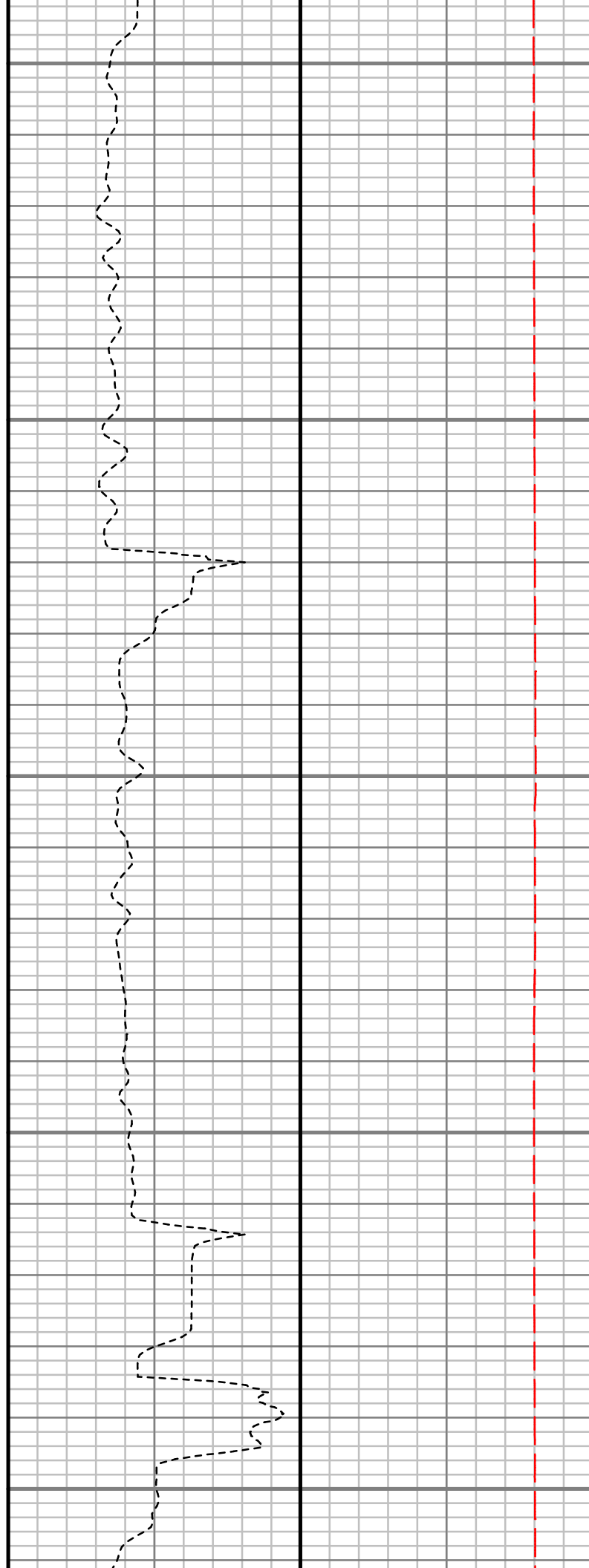
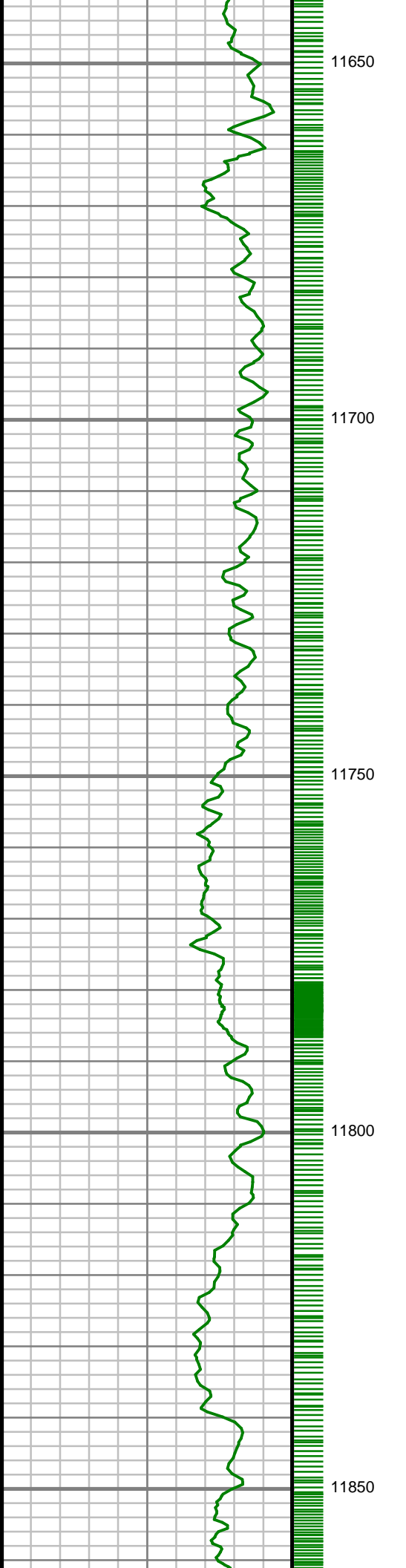
S: 120 MD: 11280.00 ft
Inc: 88.22 deg Az:
179.32 deg TVD:
7477.23 ft

S: 121 MD: 11375.00 ft
Inc: 89.83 deg Az:
178.93 deg TVD:
7478.85 ft



S: 122 MD: 11470.00 ft
Inc: 90.17 deg Az:
178.47 deg TVD:
7478.85 ft

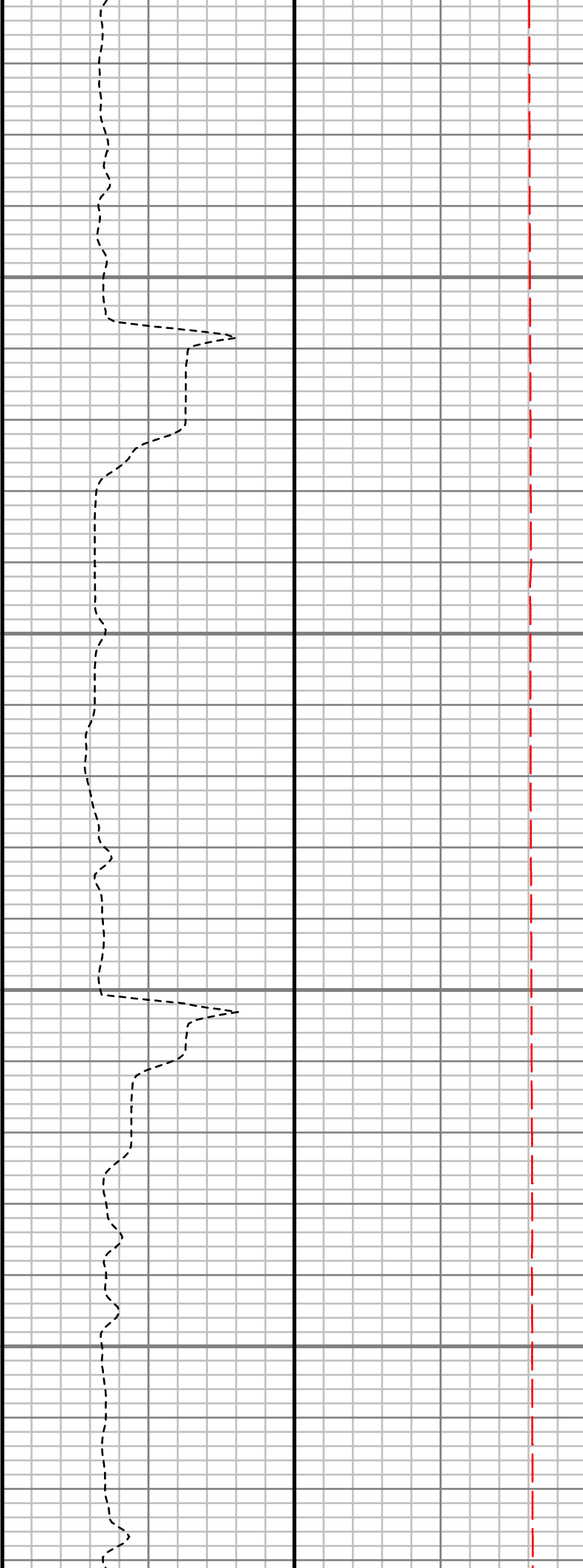
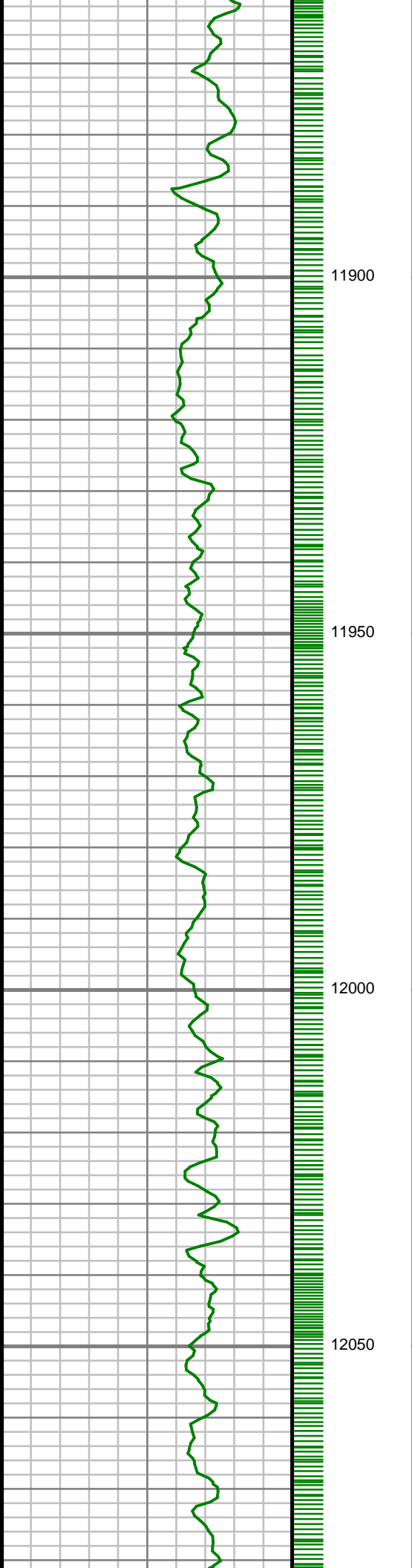
S: 123 MD: 11565.00 ft
Inc: 90.40 deg Az:
179.53 deg TVD:
7478.37 ft



S: 124 MD: 11658.00 ft
Inc: 90.07 deg Az:
180.37 deg TVD:
7477.99 ft

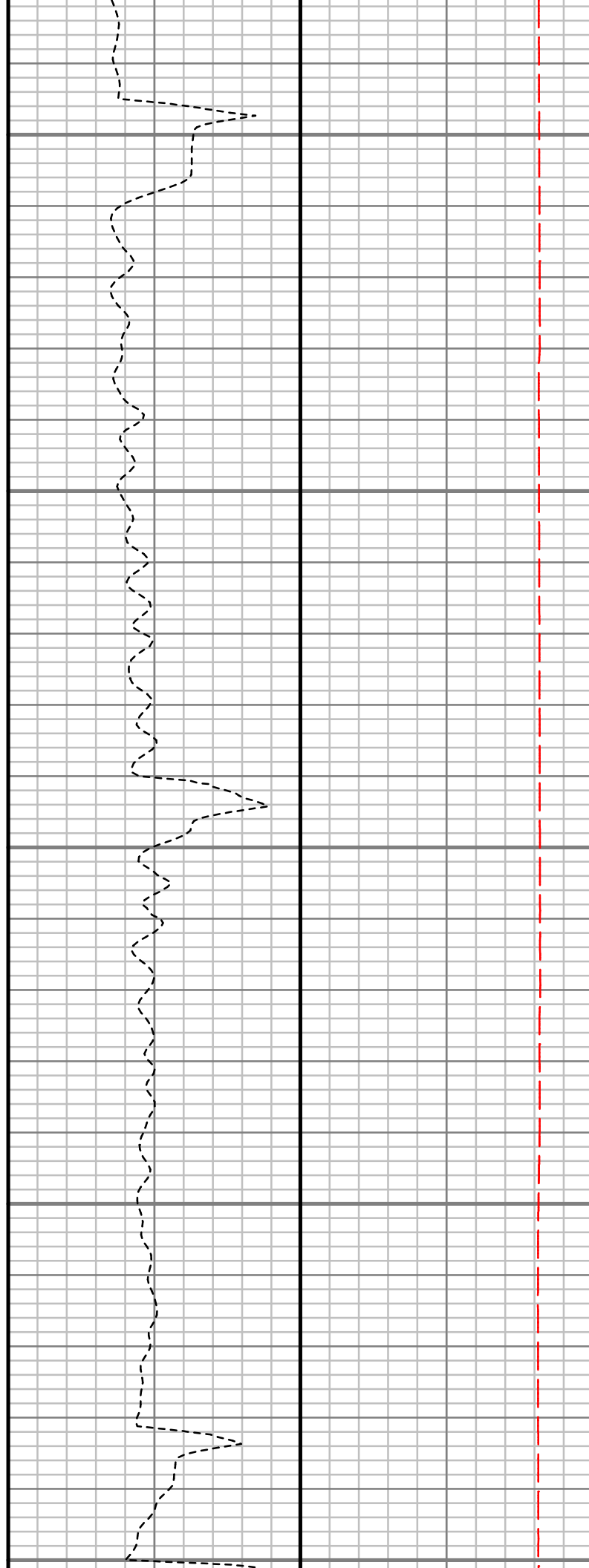
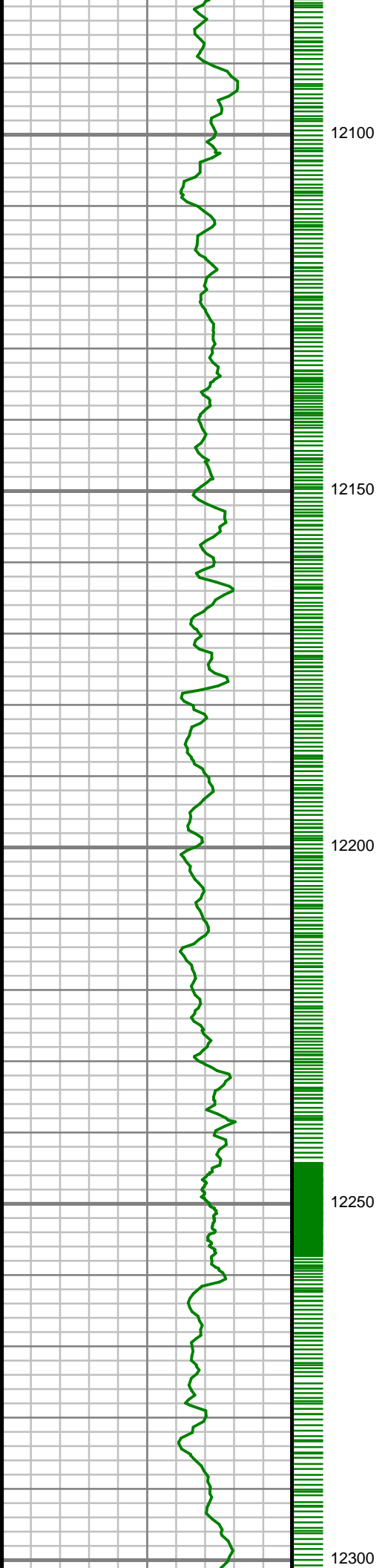
S: 125 MD: 11752.00 ft
Inc: 90.40 deg Az:
180.33 deg TVD:
7477.61 ft

S: 126 MD: 11846.00 ft
Inc: 89.40 deg Az:
180.36 deg TVD:
7477.77 ft



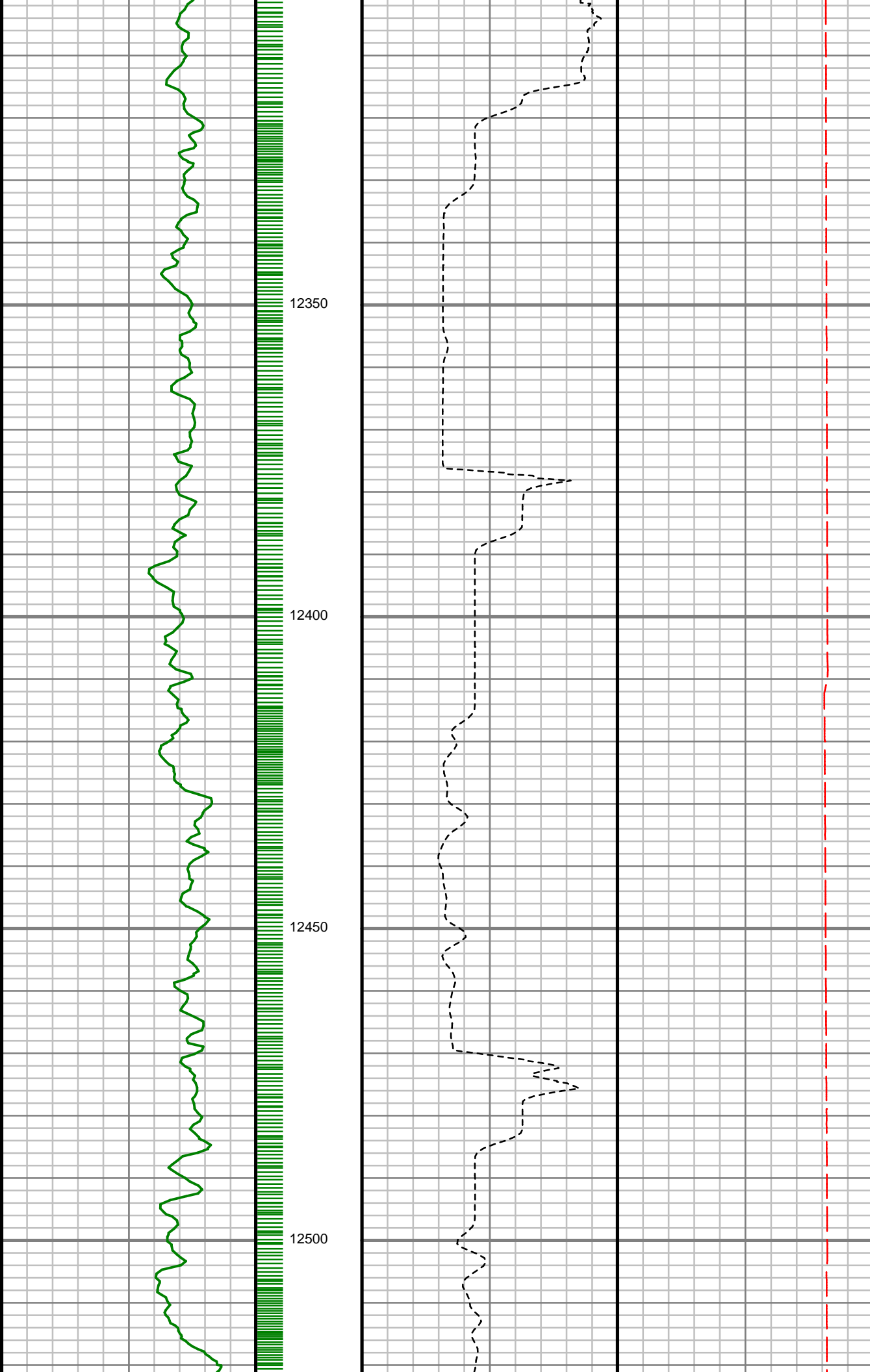
S: 127 MD: 11940.00 ft
Inc: 89.73 deg Az:
179.92 deg TVD:
7478.49 ft

S: 128 MD: 12036.00 ft
Inc: 89.33 deg Az:
179.13 deg TVD:
7479.27 ft



S: 129 MD: 12130.00 ft
Inc: 89.56 deg Az:
178.84 deg TVD:
7480.18 ft

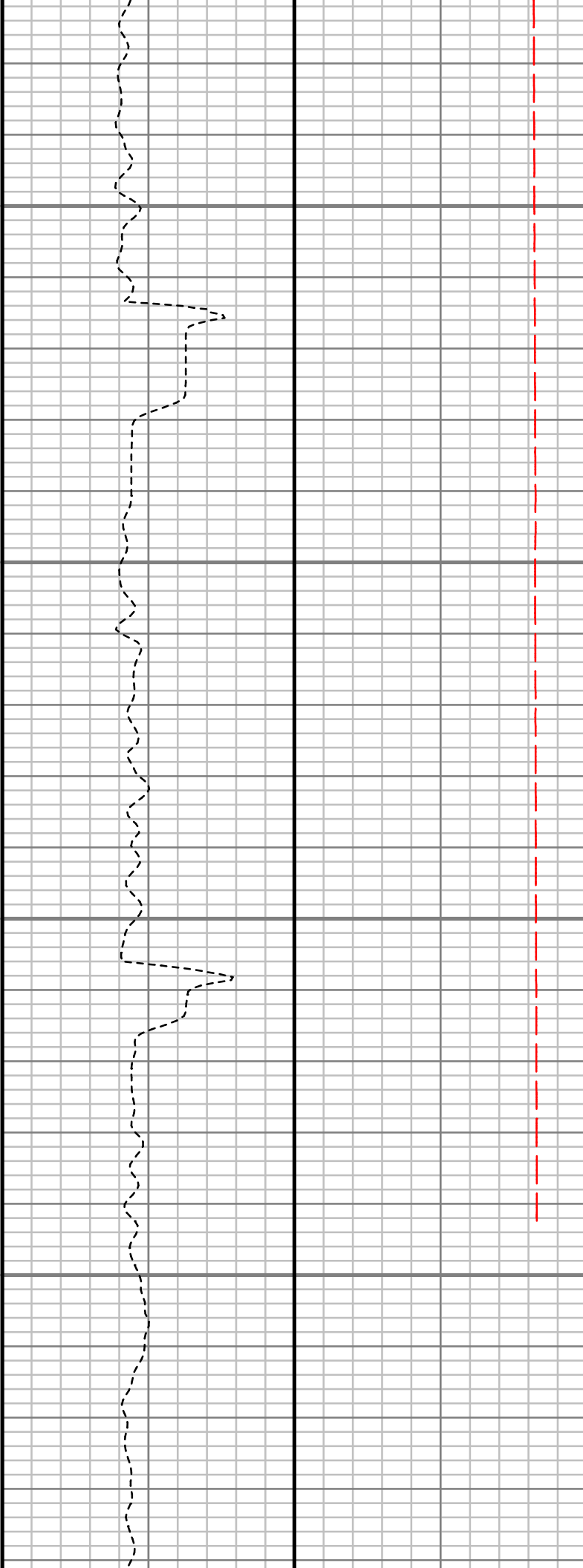
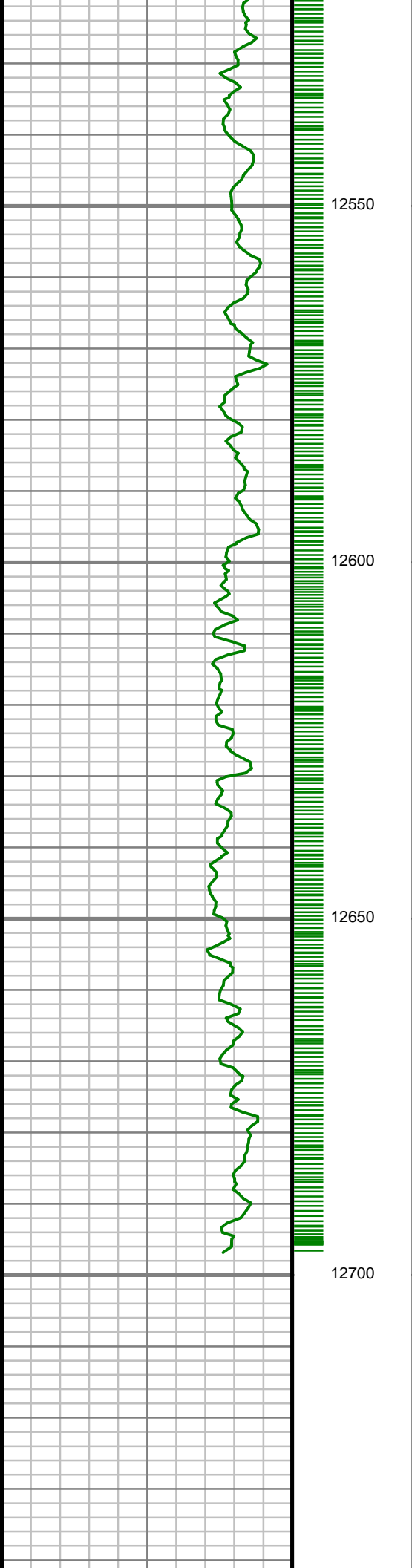
S: 130 MD: 12222.00 ft
Inc: 89.60 deg Az:
178.08 deg TVD:
7480.85 ft



S: 131 MD: 12317.00 ft
Inc: 89.36 deg Az:
178.75 deg TVD:
7481.71 ft

S: 132 MD: 12411.00 ft
Inc: 89.16 deg Az:
178.44 deg TVD:
7482.92 ft

S: 133 MD: 12504.00 ft
Inc: 89.90 deg Az:
178.39 deg TVD:
7483.69 ft

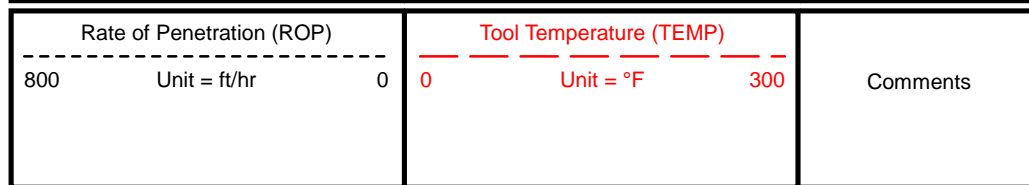


S: 134 MD: 12596.00 ft
Inc: 90.40 deg Az:
178.14 deg TVD:
7483.45 ft

S: 135 MD: 12691.00 ft
Inc: 90.64 deg Az:
178.05 deg TVD:
7482.58 ft

Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1:240 (ft)



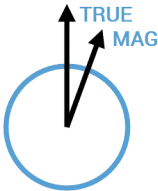
CUSTOMER	ANADARKO PETROLEUM CORPORATION	WELL INFORMATION	
PROJECT	US ROCKIES WATTENBER PLANNING UTM83	Lat/Long	40.070124° N, 104.80585° W
FIELD	WATTENBERG	Northing	14,552,327.85 ft
		Easting	1,694,732.92 ft
		UWI	05123422710000

MAP INFORMATION

North Reference	True North
Grid Correction	
System	Universal Transverse Mercator (US Survey Feet)
Datum	North American Datum 1983 (GRS 1980)
Map Zone	Zone 13N (108 W to 102 W)

VERTICAL SECTION REFERENCE

+N/-S	0 ft
+E/-W	0 ft
Proposal Direction	179.29°
Calculation Method	Minimum Curvature



GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: 999.041 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-9679 ft	ANADARKO MAGVAR	29 Jun 2017	8.19°	add 8.19°
9679-12691 ft	ANADARKO MAGVAR	29 Jun 2017	8.17°	add 8.17°

WELL NOTES

OPERATORS

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
190.00	0.45	59.13	190.00	-0.37	0.38	0.64	0.24
279.00	1.40	29.12	278.99	-1.49	1.51	1.47	1.16
366.00	3.01	26.15	365.92	-4.45	4.49	2.99	1.85
452.00	3.50	20.32	451.78	-8.92	8.98	4.90	0.69
541.00	5.00	26.38	540.53	-14.91	15.00	7.57	1.76
628.00	6.50	30.18	627.09	-22.51	22.66	11.73	1.78
716.00	7.86	36.14	714.40	-31.60	31.82	17.78	1.76
805.00	9.77	32.17	802.35	-42.81	43.13	25.39	2.25
894.00	10.51	29.82	889.96	-56.15	56.56	33.45	0.95
982.00	11.56	28.29	976.33	-70.77	71.29	41.62	1.24
1071.00	12.68	27.39	1063.34	-87.19	87.82	50.34	1.28
1160.00	13.93	24.92	1149.95	-105.46	106.21	59.35	1.54
1249.00	15.49	27.42	1236.04	-125.60	126.47	69.33	1.89
1336.00	16.86	27.01	1319.59	-147.02	148.03	80.41	1.58
1424.00	18.37	26.79	1403.46	-170.62	171.78	92.46	1.72
1513.00	19.52	27.91	1487.64	-196.11	197.44	105.74	1.36
1599.00	20.25	26.39	1568.51	-221.97	223.46	119.08	1.04
1687.00	21.06	26.40	1650.85	-249.60	251.27	132.88	0.92
1773.00	20.54	25.10	1731.25	-276.94	278.77	146.15	0.81

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1825.00	19.84	23.98	1780.05	-293.17	295.10	153.61	1.54
1942.00	18.87	22.76	1890.44	-328.57	330.69	169.00	0.90
2037.00	19.62	24.64	1980.13	-357.07	359.35	181.59	1.03
2131.00	20.43	30.28	2068.46	-385.40	387.87	196.45	2.22
2224.00	19.69	29.50	2155.81	-412.85	415.52	212.34	0.84
2318.00	19.10	26.10	2244.48	-440.27	443.11	226.91	1.35
2412.00	18.20	23.93	2333.54	-467.34	470.35	239.63	1.21
2506.00	18.77	24.62	2422.69	-494.36	497.52	251.89	0.65
2600.00	19.39	28.37	2511.53	-521.67	525.00	265.60	1.46
2692.00	20.14	33.14	2598.11	-548.18	551.71	281.52	1.93
2785.00	19.17	34.44	2685.69	-573.96	577.71	298.91	1.15
2880.00	17.79	34.06	2775.79	-598.64	602.60	315.87	1.46
2974.00	18.35	34.12	2865.15	-622.59	626.75	332.21	0.60
3069.00	18.44	37.15	2955.30	-646.73	651.11	349.68	1.01
3162.00	18.10	40.70	3043.61	-669.18	673.79	367.98	1.25
3257.00	18.88	37.76	3133.71	-692.28	697.13	387.02	1.28
3352.00	19.68	37.26	3223.38	-716.93	722.02	406.12	0.86
3445.00	18.72	36.69	3311.20	-741.14	746.46	424.52	1.06
3539.00	18.79	34.34	3400.21	-765.52	771.06	442.07	0.81
3634.00	18.01	30.02	3490.36	-790.67	796.41	458.06	1.66

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3727.00	18.01	28.72	3578.80	-815.54	821.46	472.16	0.43
3820.00	17.76	26.96	3667.31	-840.63	846.71	485.50	0.64
3915.00	18.38	27.40	3757.63	-866.67	872.92	498.96	0.66
4009.00	17.86	26.31	3846.97	-892.58	898.99	512.17	0.66
4103.00	17.44	25.00	3936.54	-918.11	924.68	524.51	0.61
4197.00	17.09	27.65	4026.31	-942.96	949.68	536.87	0.91
4291.00	17.16	34.99	4116.15	-966.37	973.28	551.23	2.30
4384.00	17.09	37.15	4205.03	-988.30	995.41	567.35	0.69
4479.00	16.87	38.24	4295.89	-1010.04	1017.35	584.31	0.41
4572.00	14.96	36.54	4385.32	-1030.09	1037.60	599.81	2.11
4666.00	12.72	35.73	4476.59	-1048.08	1055.75	613.08	2.39
4760.00	10.73	34.41	4568.62	-1063.56	1071.38	624.07	2.14
4854.00	9.35	36.72	4661.18	-1076.78	1084.71	633.58	1.53
4949.00	9.23	27.48	4754.94	-1089.62	1097.66	641.70	1.57
5043.00	9.92	30.14	4847.63	-1103.21	1111.34	649.25	0.88
5137.00	8.64	26.82	4940.40	-1116.43	1124.65	656.50	1.47
5254.00	7.24	15.16	5056.28	-1131.32	1139.61	662.40	1.82
5349.00	6.24	6.84	5150.63	-1142.19	1150.52	664.58	1.47
5444.00	5.55	16.97	5245.13	-1151.68	1160.03	666.53	1.31
5539.00	5.83	33.60	5339.66	-1160.04	1168.44	670.54	1.75

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
5633.00	4.21	51.54	5433.31	-1166.10	1174.56	675.88	2.38
5727.00	1.87	66.76	5527.17	-1168.79	1177.31	679.99	2.61
5822.00	1.14	54.71	5622.14	-1169.92	1178.47	682.18	0.83
5916.00	1.08	35.04	5716.12	-1171.17	1179.73	683.45	0.41
6012.00	0.89	4.51	5812.11	-1172.64	1181.21	684.03	0.57
6107.00	1.24	352.13	5907.09	-1174.40	1182.96	683.95	0.44
6201.00	0.41	18.83	6001.08	-1175.72	1184.28	683.92	0.95
6294.00	0.10	242.10	6094.08	-1175.99	1184.56	683.95	0.52
6388.00	0.85	162.94	6188.07	-1175.29	1183.86	684.08	0.89
6480.00	1.47	167.18	6280.06	-1173.48	1182.05	684.54	0.69
6575.00	1.45	178.83	6375.02	-1171.08	1179.66	684.84	0.31
6670.00	1.53	199.88	6469.99	-1168.69	1177.26	684.43	0.58
6764.00	1.43	230.60	6563.96	-1166.78	1175.34	683.10	0.84
6858.00	1.31	225.59	6657.94	-1165.31	1173.84	681.43	0.18
6952.00	1.35	221.75	6751.91	-1163.75	1172.26	679.93	0.11
7047.00	1.50	215.04	6846.88	-1161.91	1170.41	678.47	0.23
7141.00	10.56	181.43	6940.28	-1152.29	1160.77	677.54	9.95
7236.00	19.75	177.47	7031.88	-1127.49	1135.97	678.04	9.73
7330.00	29.33	176.61	7117.28	-1088.52	1097.03	680.10	10.20
7424.00	35.46	177.03	7196.62	-1038.23	1046.77	682.88	6.52

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
7519.00	44.55	179.19	7269.32	-977.24	985.80	684.78	9.68
7613.00	53.15	179.78	7331.12	-906.53	915.10	685.39	9.16
7707.00	62.77	183.08	7380.94	-827.02	835.55	683.28	10.66
7799.00	70.59	182.24	7417.34	-742.75	751.23	679.38	8.54
7894.00	76.97	184.10	7443.86	-651.80	660.20	674.32	6.98
7989.00	87.38	179.91	7456.78	-557.93	566.29	671.08	11.80
8083.00	88.69	180.11	7460.00	-464.00	472.35	671.07	1.40
8177.00	89.90	180.74	7461.16	-370.03	378.36	670.37	1.45
8270.00	91.61	181.96	7459.94	-277.10	285.40	668.17	2.26
8364.00	89.06	179.49	7459.38	-183.15	191.43	666.98	3.78
8457.00	89.63	179.61	7460.44	-90.15	98.44	667.71	0.63
8552.00	90.07	179.82	7460.69	4.84	3.44	668.19	0.51
8644.00	89.93	179.04	7460.69	96.84	-88.56	669.10	0.87
8738.00	89.56	180.25	7461.11	190.84	-182.55	669.68	1.35
8832.00	89.26	179.38	7462.07	284.83	-276.55	669.98	0.99
8927.00	90.20	181.44	7462.52	379.80	-371.54	669.31	2.39
9021.00	90.87	181.69	7461.63	473.72	-465.50	666.74	0.76
9115.00	89.60	180.93	7461.25	567.66	-559.47	664.60	1.58
9209.00	90.94	181.32	7460.80	661.61	-653.45	662.76	1.49
9302.00	89.76	180.44	7460.23	754.57	-746.43	661.33	1.57

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9397.00	88.96	178.25	7461.29	849.56	-841.41	662.42	2.47
9491.00	88.46	179.05	7463.41	943.53	-935.36	664.63	1.01
9586.00	89.09	181.49	7465.44	1038.48	-1030.33	664.18	2.65
9679.00	89.66	181.47	7466.45	1131.41	-1123.29	661.77	0.61
9773.00	89.73	180.27	7466.94	1225.37	-1217.28	660.35	1.28
9865.00	91.28	181.00	7466.13	1317.34	-1309.27	659.34	1.86
9961.00	90.37	181.54	7464.75	1413.27	-1405.23	657.21	1.10
10055.00	90.67	181.31	7463.90	1507.20	-1499.20	654.86	0.41
10150.00	91.21	181.12	7462.34	1602.13	-1594.17	652.85	0.60
10245.00	90.37	178.43	7461.03	1697.11	-1689.15	653.22	2.97
10340.00	90.71	177.54	7460.13	1792.08	-1784.08	656.56	1.00
10434.00	89.97	178.08	7459.58	1886.05	-1878.01	660.15	0.97
10528.00	90.34	180.27	7459.33	1980.04	-1971.99	661.50	2.37
10622.00	88.96	180.36	7459.91	2074.02	-2065.99	660.98	1.47
10714.00	89.03	180.19	7461.53	2165.99	-2157.97	660.53	0.21
10809.00	88.92	179.85	7463.23	2260.97	-2252.96	660.50	0.37
10902.00	89.09	178.96	7464.84	2353.96	-2345.94	661.46	0.98
10997.00	88.22	178.30	7467.07	2448.92	-2440.88	663.73	1.15
11091.00	88.02	177.66	7470.15	2542.85	-2534.77	667.04	0.72
11185.00	87.59	179.53	7473.75	2636.77	-2628.67	669.35	2.04

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11280.00	88.22	179.32	7477.23	2731.70	-2723.60	670.31	0.70
11375.00	89.83	178.93	7478.85	2826.68	-2818.58	671.77	1.75
11470.00	90.17	178.47	7478.85	2921.68	-2913.55	673.93	0.60
11565.00	90.40	179.53	7478.37	3016.67	-3008.53	675.59	1.15
11658.00	90.07	180.37	7477.99	3109.67	-3101.53	675.67	0.97
11752.00	90.40	180.33	7477.61	3203.65	-3195.53	675.09	0.36
11846.00	89.40	180.36	7477.77	3297.63	-3289.53	674.52	1.07
11940.00	89.73	179.92	7478.49	3391.62	-3383.52	674.29	0.60
12036.00	89.33	179.13	7479.27	3487.61	-3479.52	675.09	0.92
12130.00	89.56	178.84	7480.18	3581.61	-3573.50	676.75	0.40
12222.00	89.60	178.08	7480.85	3673.59	-3665.46	679.23	0.82
12317.00	89.36	178.75	7481.71	3768.58	-3760.42	681.86	0.75
12411.00	89.16	178.44	7482.92	3862.56	-3854.38	684.16	0.39
12504.00	89.90	178.39	7483.69	3955.55	-3947.34	686.73	0.80
12596.00	90.40	178.14	7483.45	4047.53	-4039.30	689.51	0.61
12691.00	90.64	178.05	7482.58	4142.51	-4134.24	692.67	0.27

5" = 100' MD