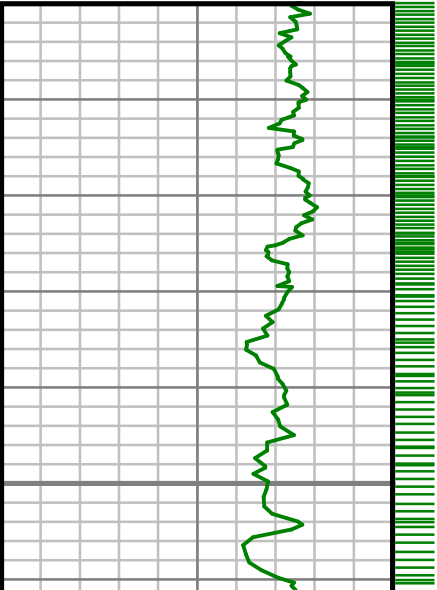
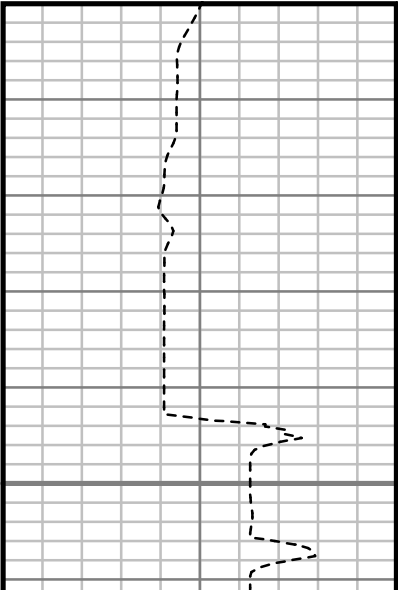
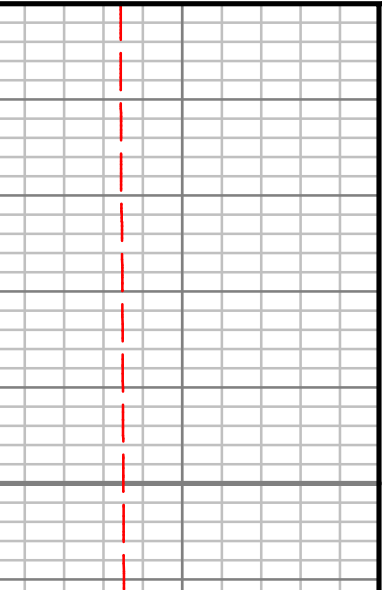
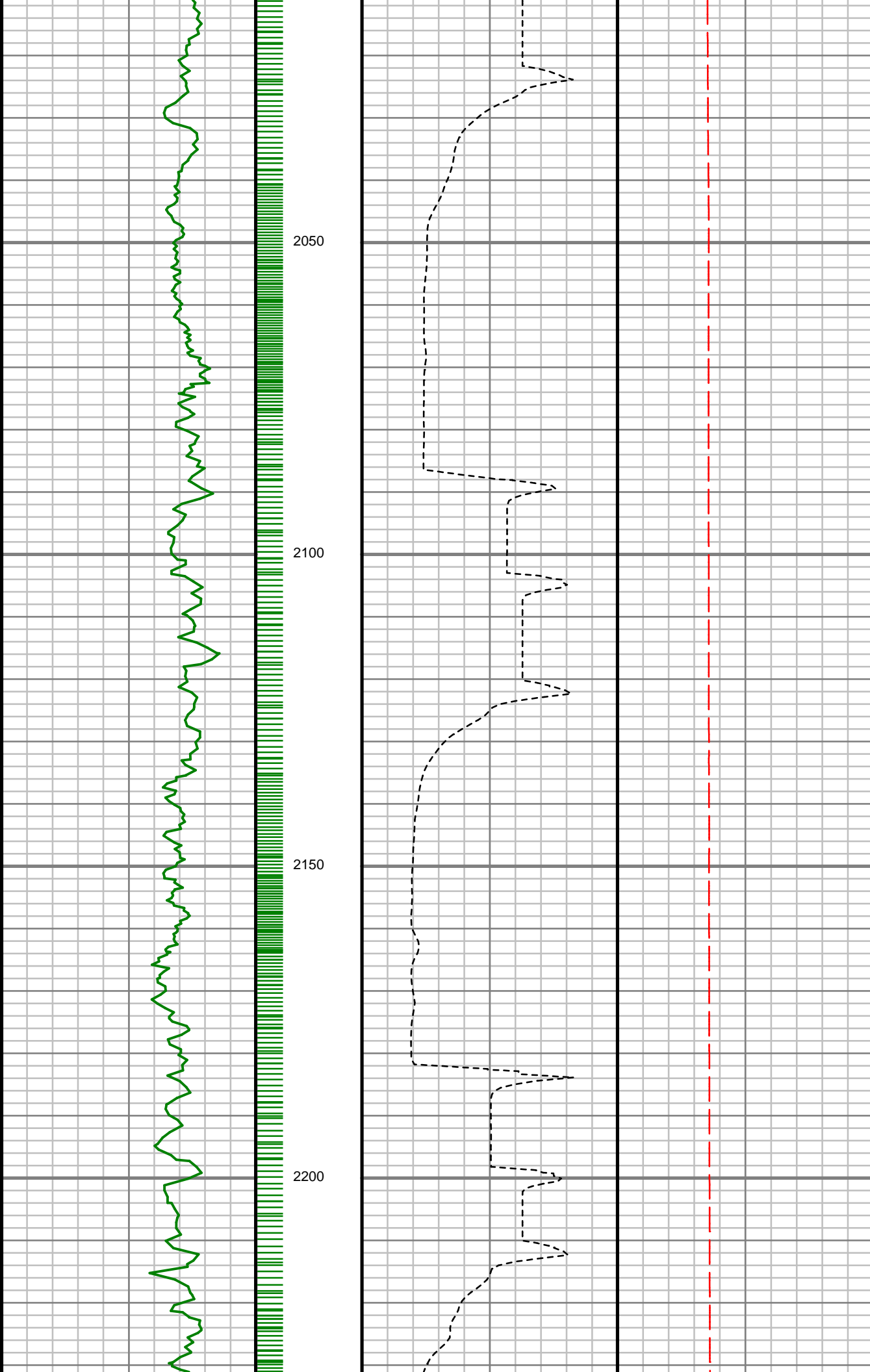


[illegible]

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.

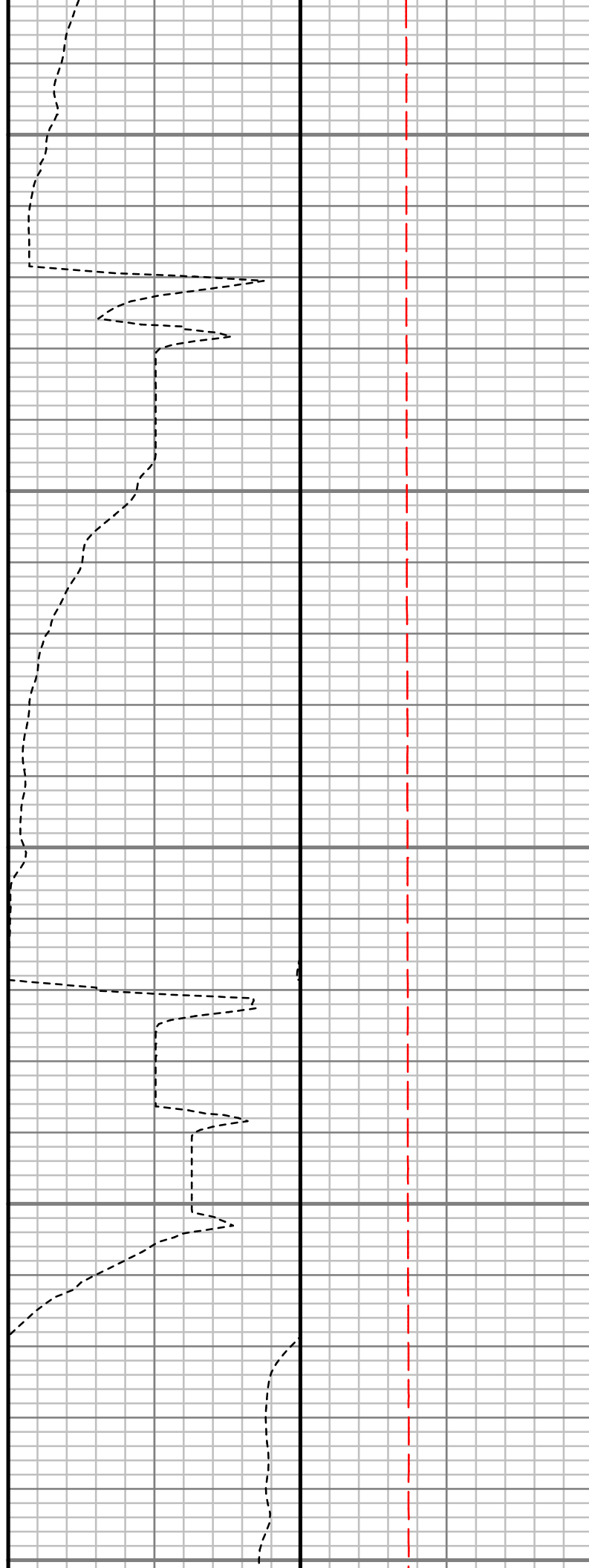
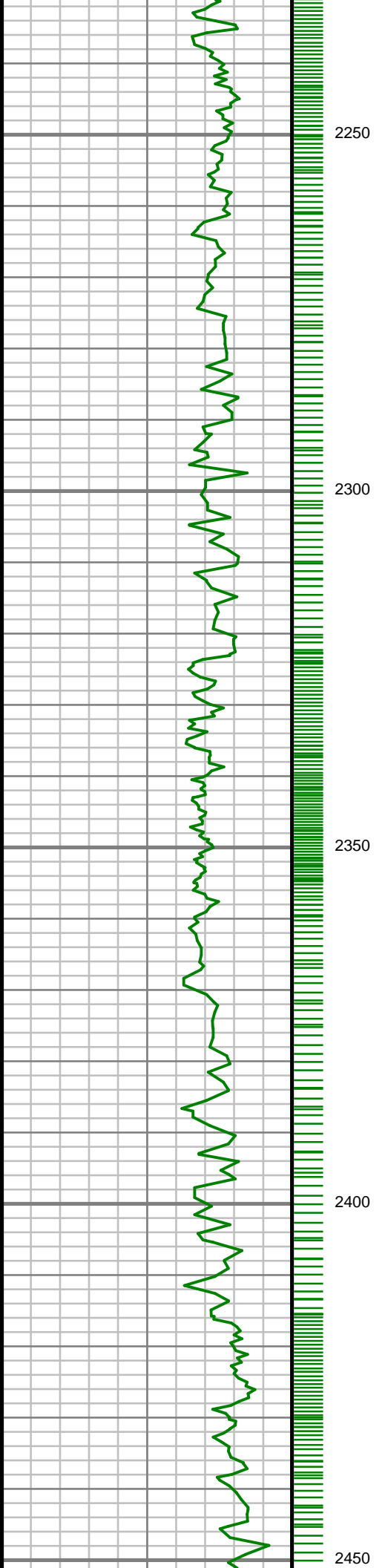
ANADARKO PETROLEUM CORPORATION FL GREENS 14N-8HZ WATTENBERG FIELD WELD COUNTY, COLORADO API # 05123422720000				
Gamma Ray (GR) 0 Unit = aapi 150	MEASURED DEPTH 1:240 (ft)	Rate of Penetration (ROP) 800 Unit = ft/hr 0	Tool Temperature (TEMP) 0 Unit = °F 300	Comments
				1914.18 ft



S: 21 MD: 2037.00 ft
Inc: 18.55 deg Az:
47.95 deg TVD:
2004.56 ft

S: 22 MD: 2131.00 ft
Inc: 20.66 deg Az:
46.40 deg TVD:
2093.10 ft

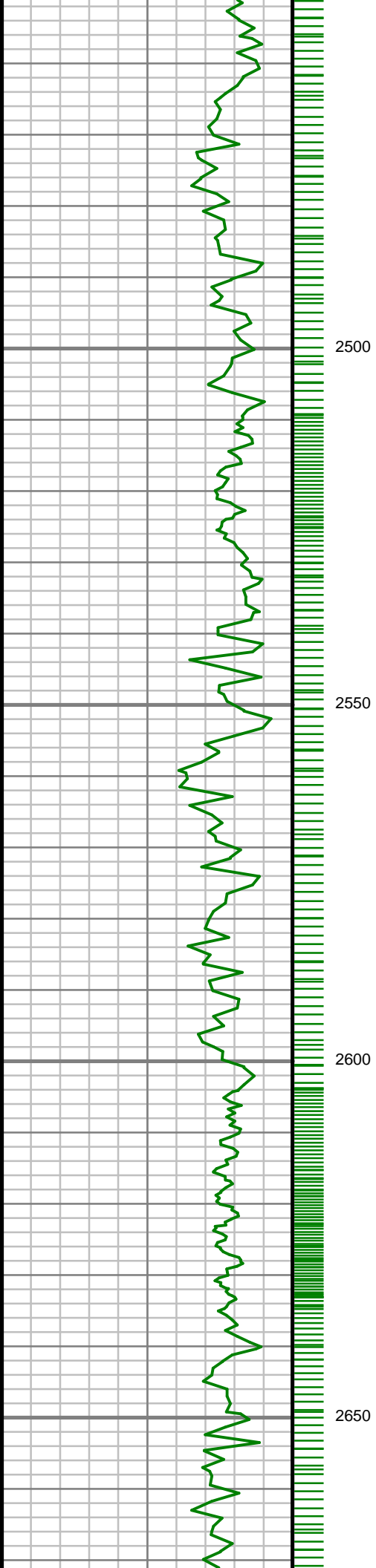
S: 23 MD: 2224.00 ft
Inc: 21.57 deg Az:
46.89 deg TVD:



2179.86 ft

S: 24 MD: 2318.00 ft
Inc: 20.86 deg Az:
45.23 deg TVD:
2267.49 ft

S: 25 MD: 2411.00 ft
Inc: 22.36 deg Az:
46.49 deg TVD:
2353.95 ft

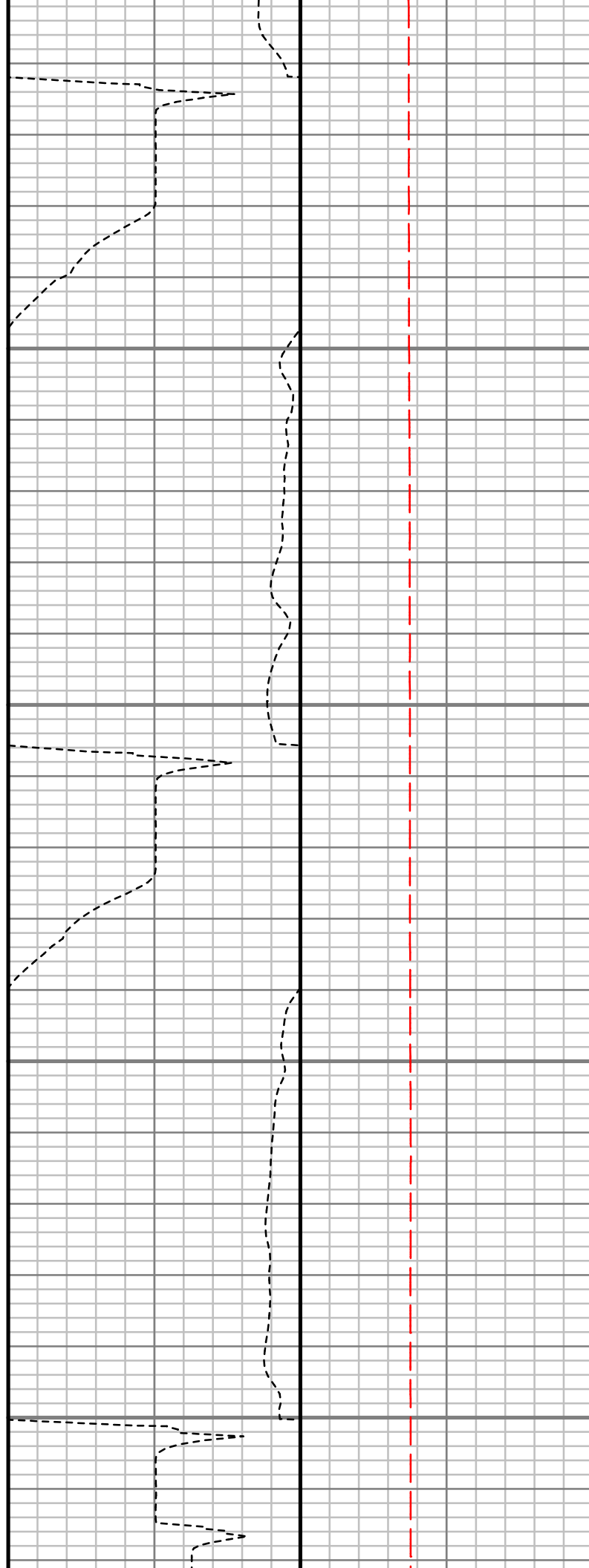


2500

2550

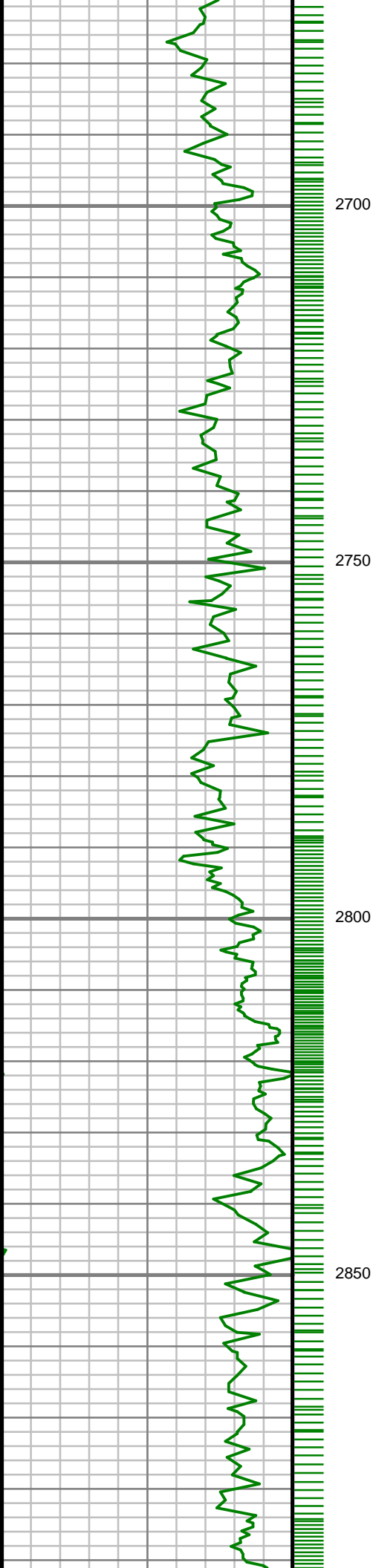
2600

2650



S: 26 MD: 2506.00 ft
Inc: 21.74 deg Az:
46.22 deg TVD:
2442.00 ft

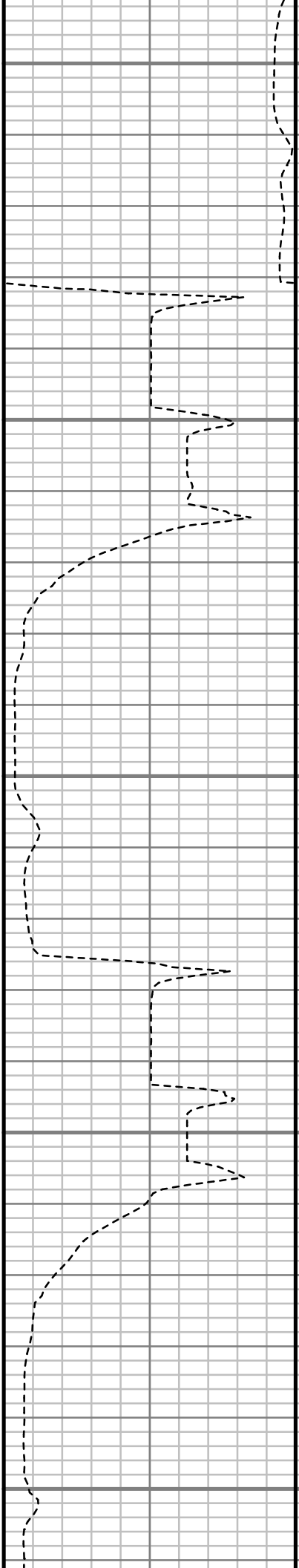
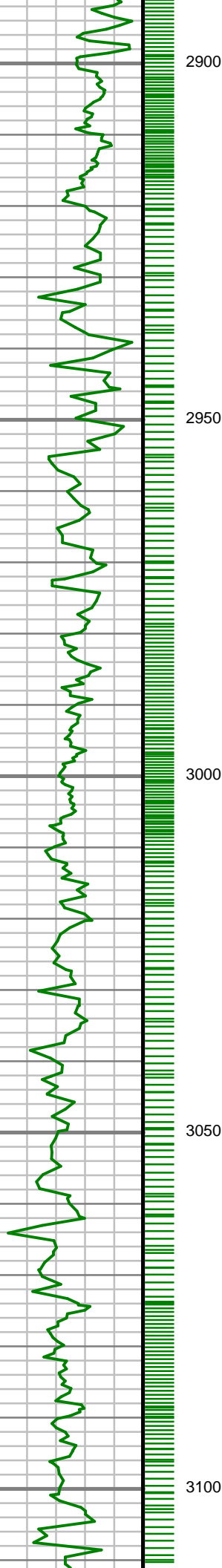
S: 27 MD: 2600.00 ft
Inc: 20.51 deg Az:
46.31 deg TVD:
2529.68 ft



S: 28 MD: 2692.00 ft
Inc: 21.57 deg Az:
44.90 deg TVD:
2615.55 ft

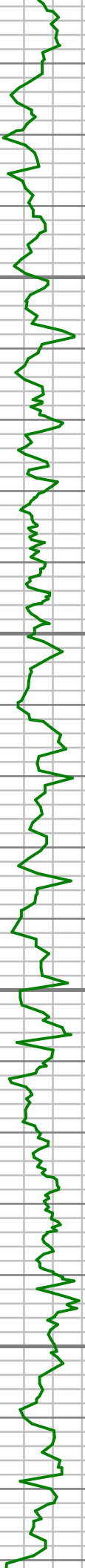
S: 29 MD: 2785.00 ft
Inc: 19.98 deg Az:
44.12 deg TVD:
2702.50 ft

S: 30 MD: 2880.00 ft
Inc: 20.06 deg Az:
46.47 deg TVD:
2791.76 ft



S: 31 MD: 2974.00 ft
Inc: 20.59 deg Az:
44.48 deg TVD:
2879.91 ft

S: 32 MD: 3069.00 ft
Inc: 21.04 deg Az:
45.60 deg TVD:
2968.71 ft

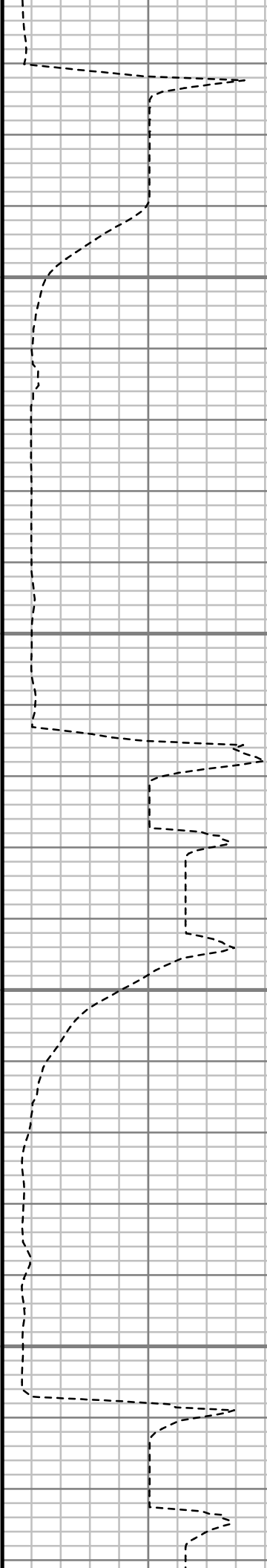


3150

3200

3250

3300



S: 33 MD: 3162.00 ft
Inc: 19.32 deg Az:
45.75 deg TVD:
3055.99 ft

S: 34 MD: 3257.00 ft
Inc: 19.77 deg Az:
46.36 deg TVD:
3145.52 ft



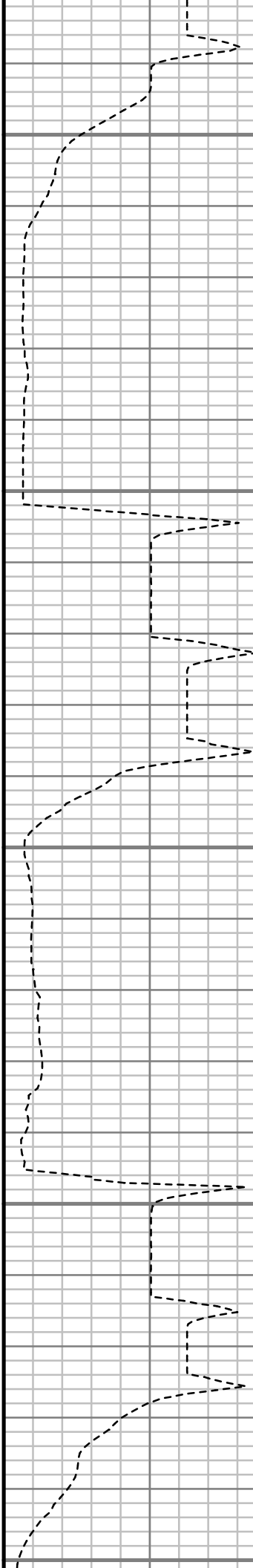
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3400

3450

3500

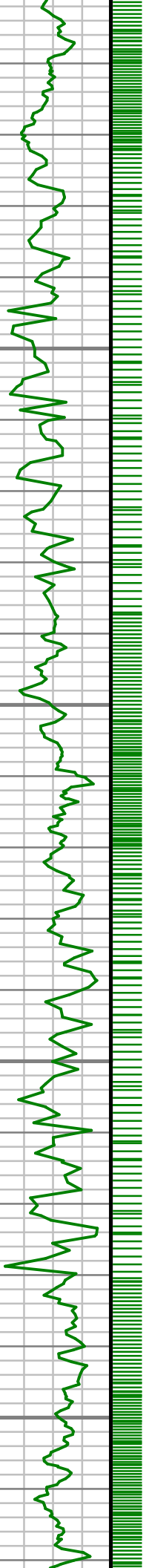
3550



S: 35 MD: 3352.00 ft
Inc: 19.87 deg Az:
46.63 deg TVD:
3234.89 ft

S: 36 MD: 3445.00 ft
Inc: 20.41 deg Az:
45.17 deg TVD:
3322.21 ft

S: 37 MD: 3539.00 ft
Inc: 19.95 deg Az:
45.31 deg TVD:
3410.44 ft

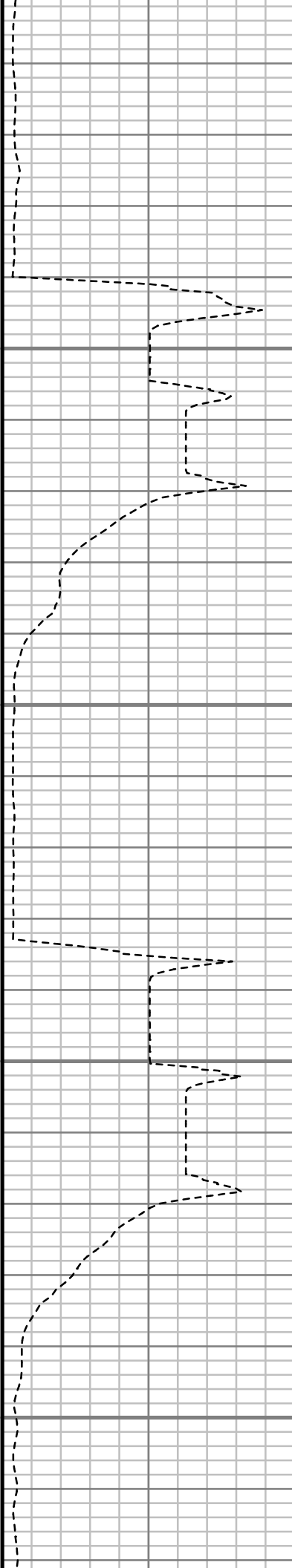


3600

3650

3700

3750



S: 38 MD: 3633.00 ft
Inc: 19.00 deg Az:
43.55 deg TVD:
3499.06 ft

S: 39 MD: 3727.00 ft
Inc: 18.74 deg Az:
44.63 deg TVD:
3588.01 ft



3800

3850

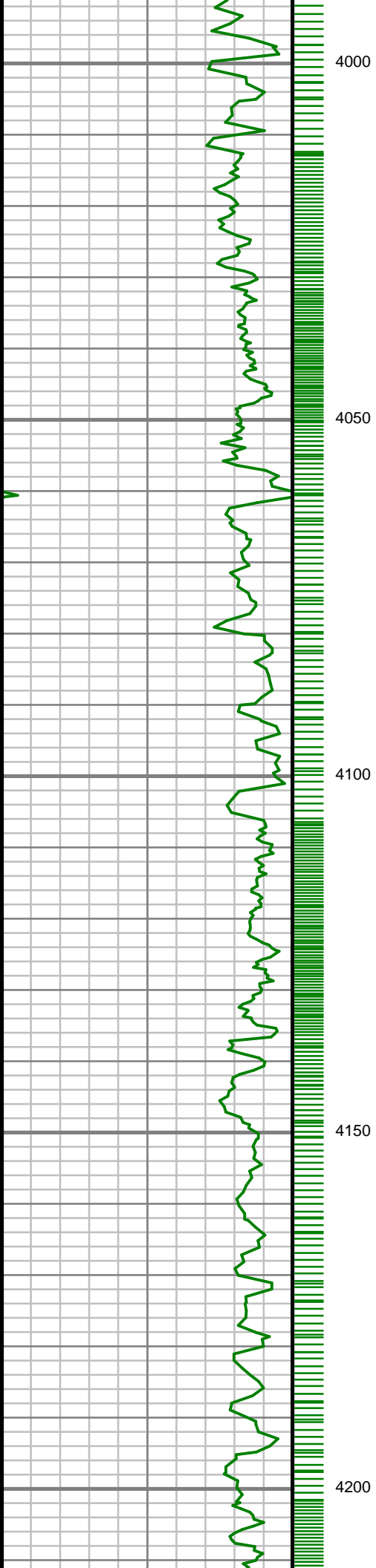
3900

3950



S: 40 MD: 3820.00 ft
Inc: 19.32 deg Az:
43.68 deg TVD:
3675.93 ft

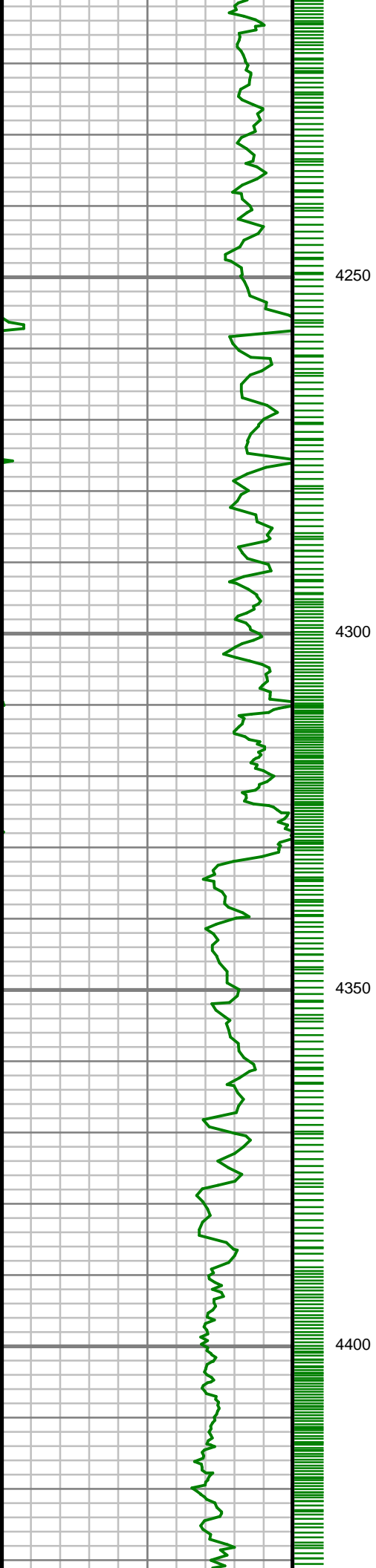
S: 41 MD: 3915.00 ft
Inc: 19.37 deg Az:
45.11 deg TVD:
3765.57 ft



S: 42 MD: 4009.00 ft
Inc: 19.93 deg Az:
44.60 deg TVD:
3854.09 ft

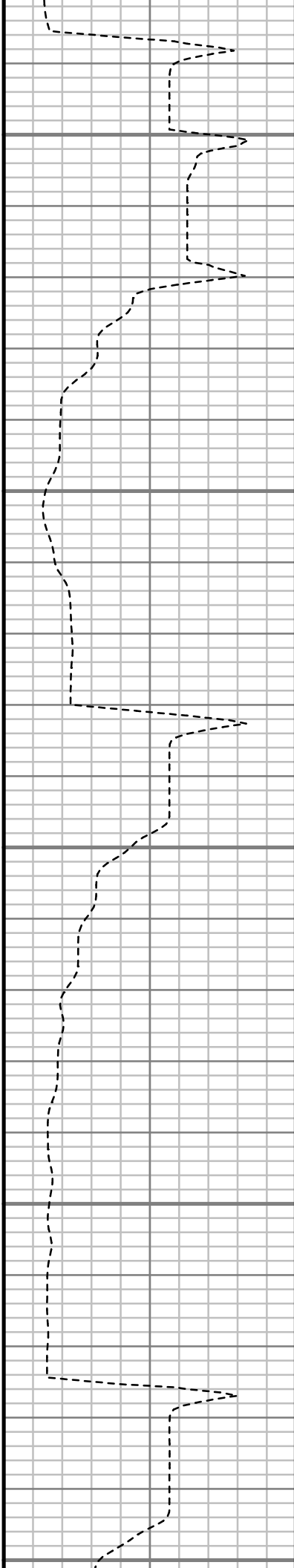
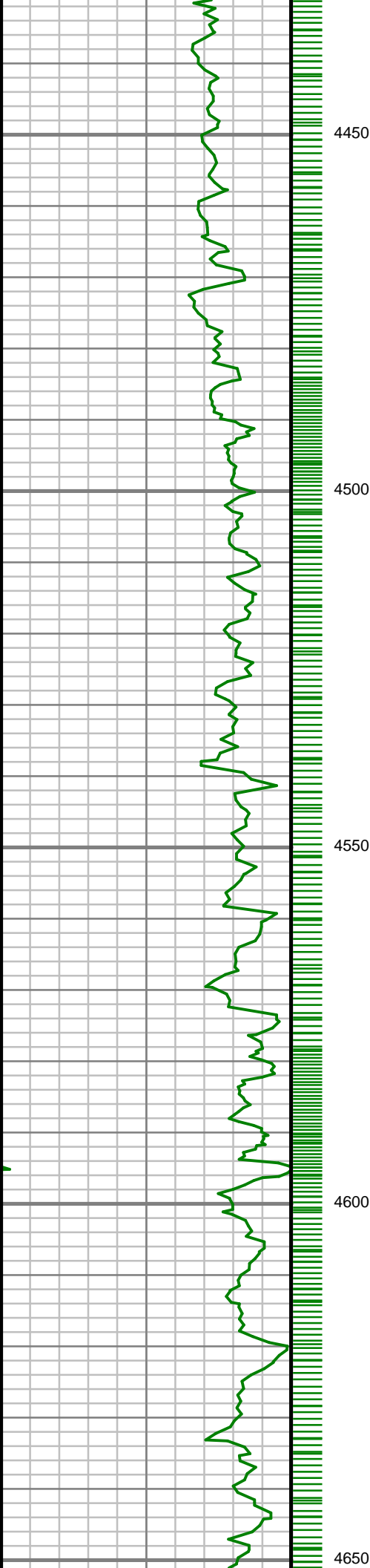
S: 43 MD: 4103.00 ft
Inc: 20.01 deg Az:
43.66 deg TVD:
3942.44 ft

S: 44 MD: 4197.00 ft
Inc: 20.16 deg Az:
44.30 deg TVD:
4030.72 ft



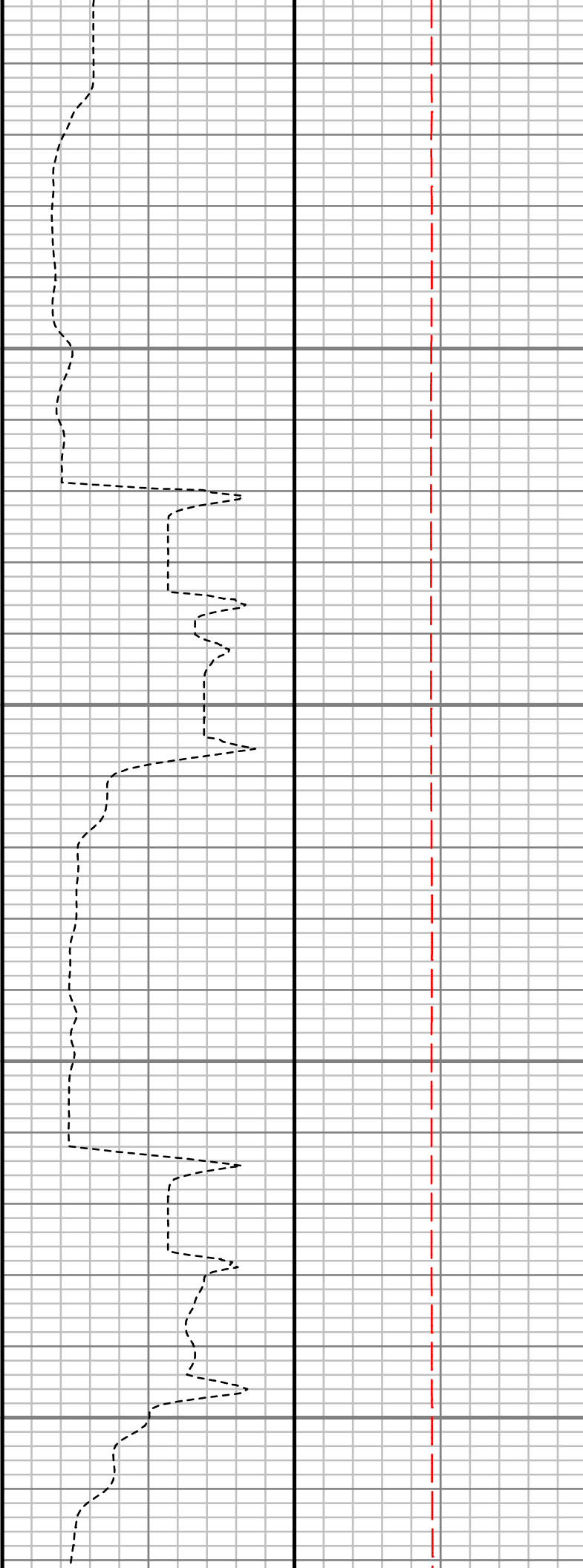
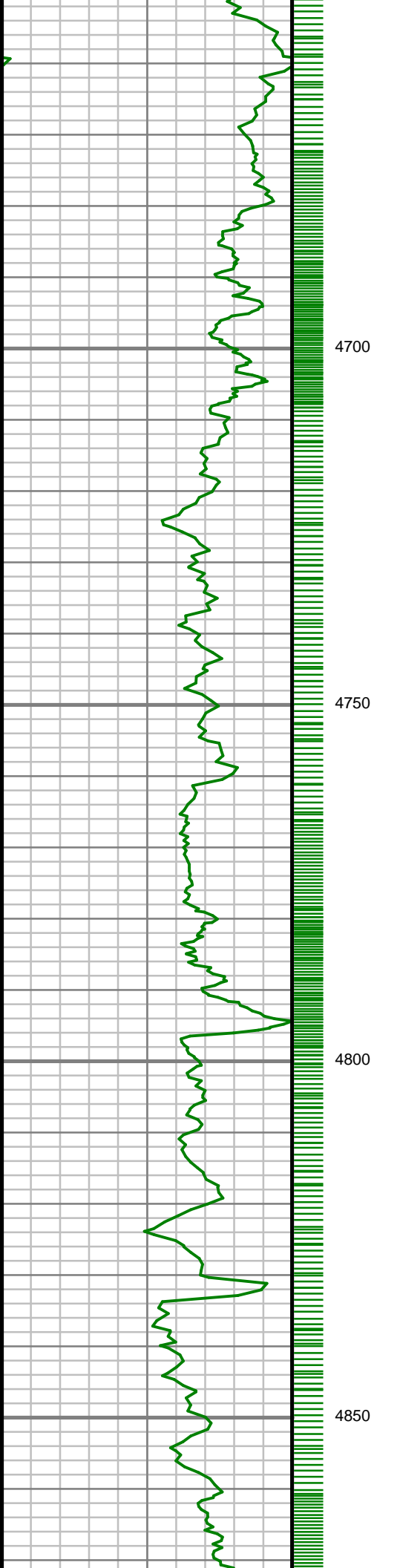
S: 45 MD: 4291.00 ft
Inc: 18.53 deg Az:
42.82 deg TVD:
4119.41 ft

S: 46 MD: 4384.00 ft
Inc: 18.99 deg Az:
44.57 deg TVD:
4207.47 ft



S: 47 MD: 4479.00 ft
Inc: 20.52 deg Az:
44.19 deg TVD:
4296.88 ft

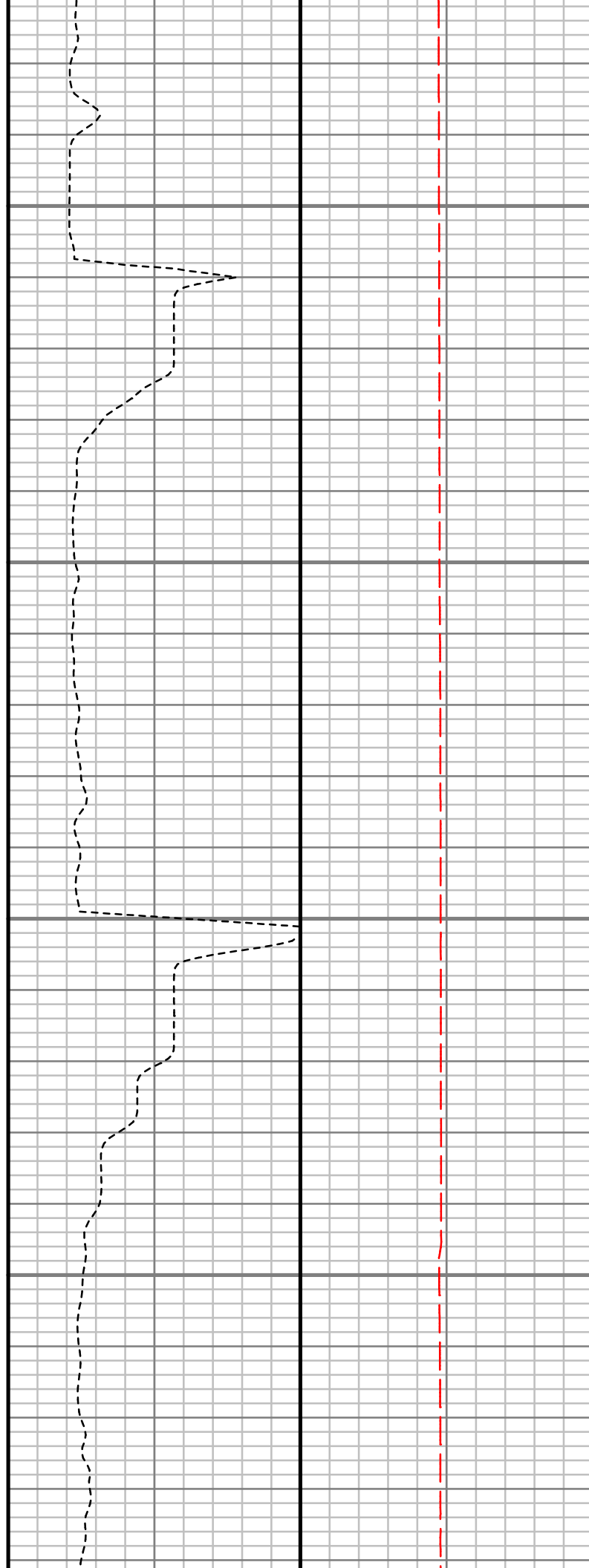
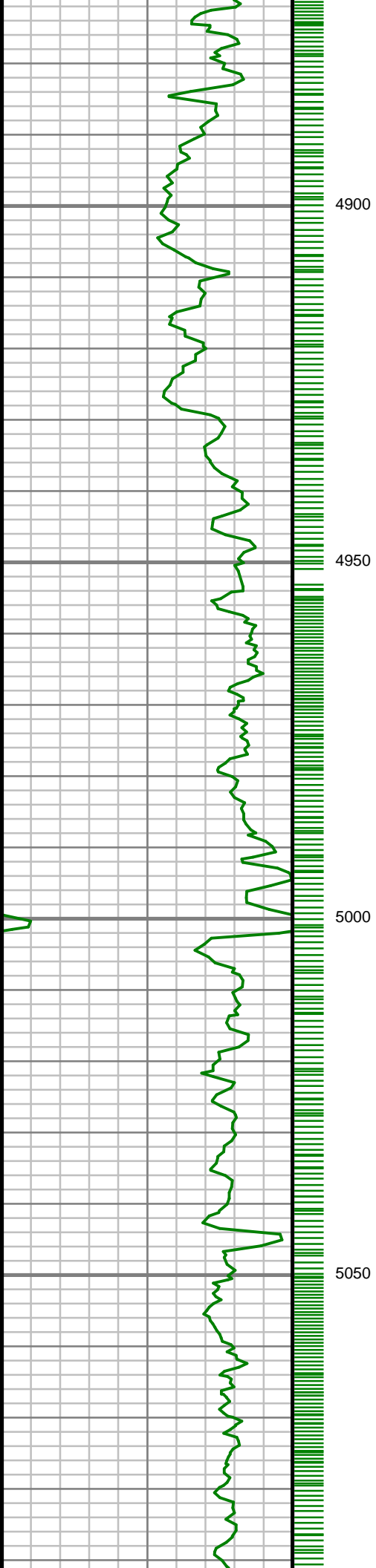
S: 48 MD: 4572.00 ft
Inc: 18.72 deg Az:
42.74 deg TVD:
4384.48 ft



S: 49 MD: 4666.00 ft
Inc: 16.93 deg Az:
40.89 deg TVD:
4473.96 ft

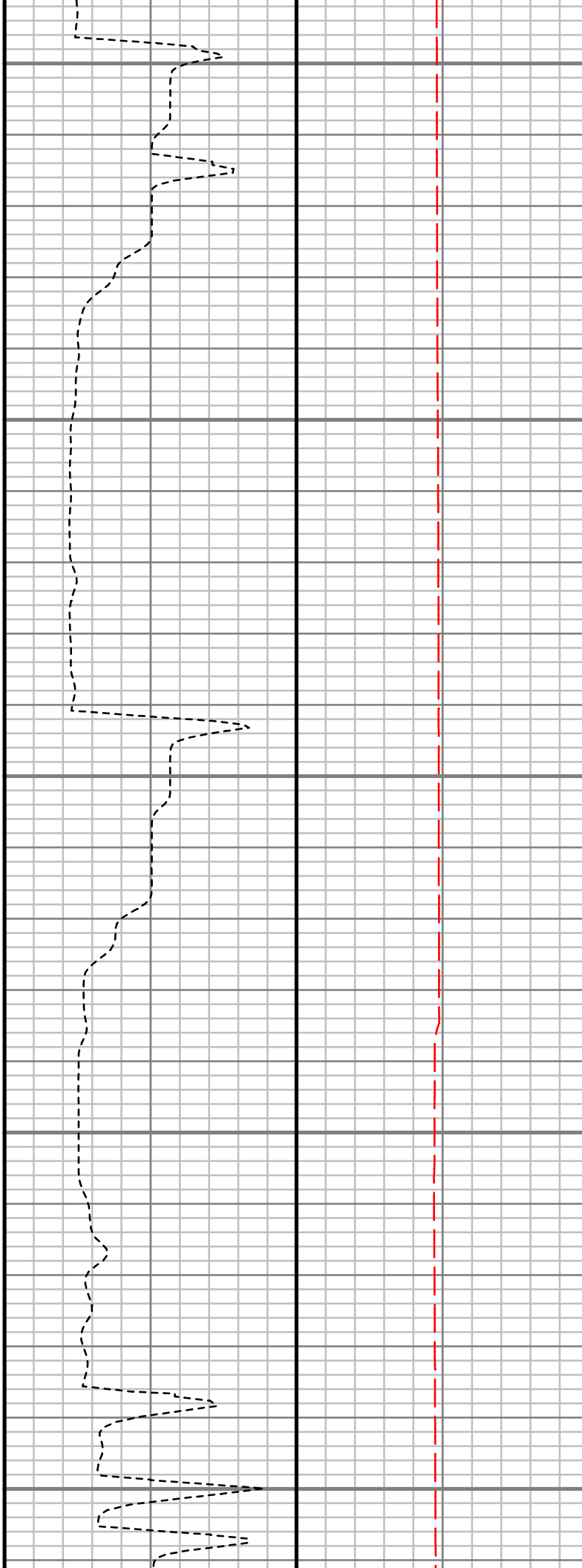
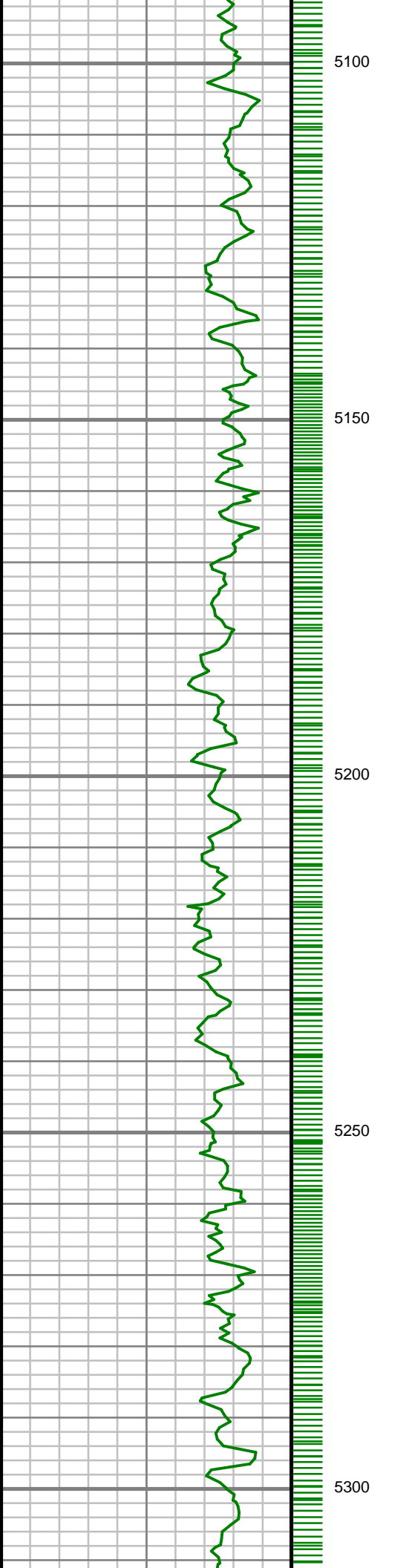
S: 50 MD: 4760.00 ft
Inc: 17.50 deg Az:
39.84 deg TVD:
4563.75 ft

S: 51 MD: 4854.00 ft
Inc: 18.61 deg Az:
38.86 deg TVD:
4653.12 ft



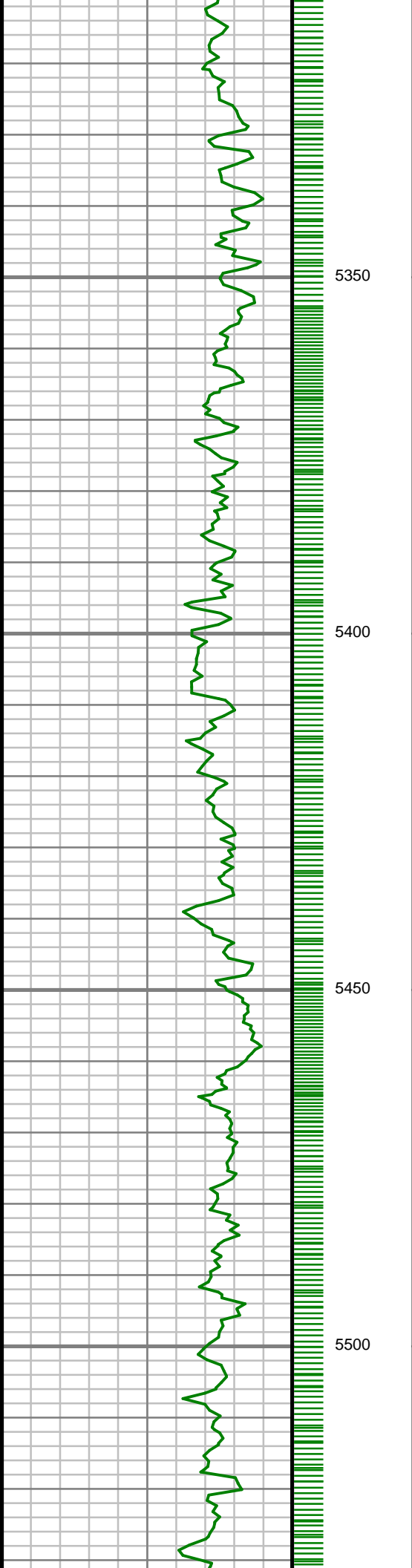
S: 52 MD: 4948.00 ft
Inc: 17.05 deg Az:
37.44 deg TVD:
4742.61 ft

S: 53 MD: 5042.00 ft
Inc: 16.51 deg Az:
36.87 deg TVD:
4832.60 ft



S: 54 MD: 5137.00 ft
Inc: 15.01 deg Az:
36.09 deg TVD:
4924.03 ft

S: 55 MD: 5256.00 ft
Inc: 12.87 deg Az:
33.69 deg TVD:
5039.52 ft

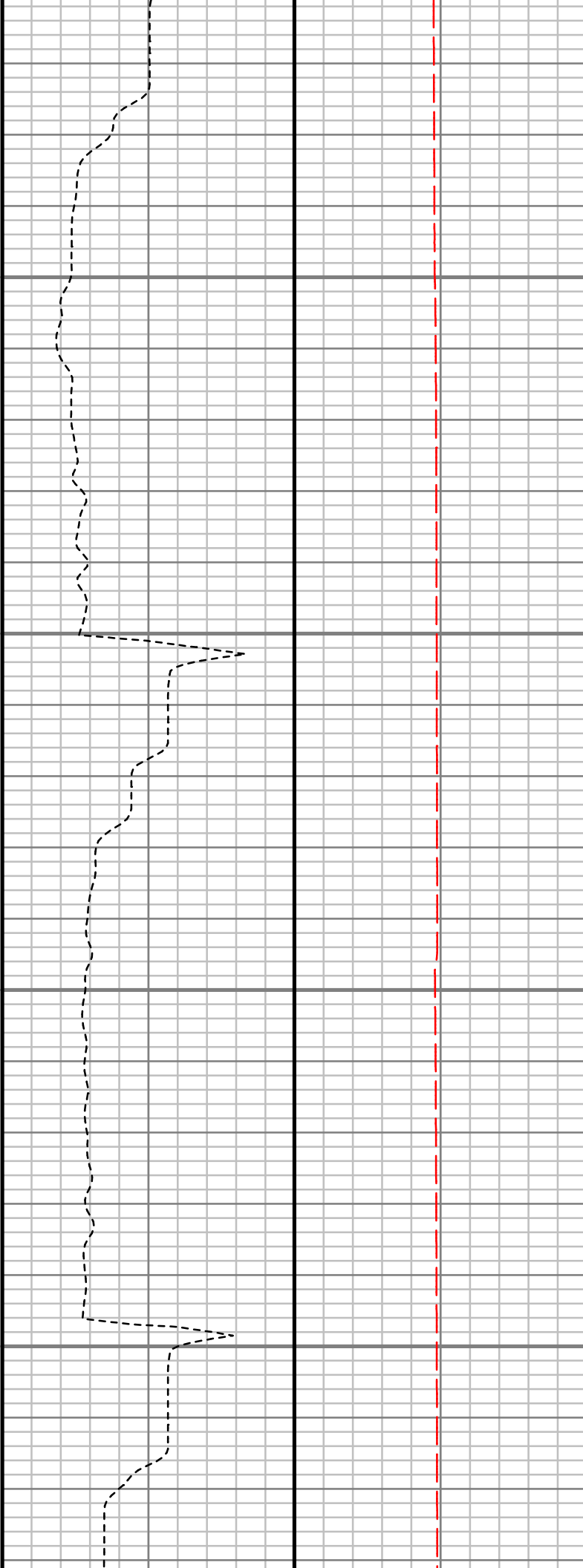


5350

5400

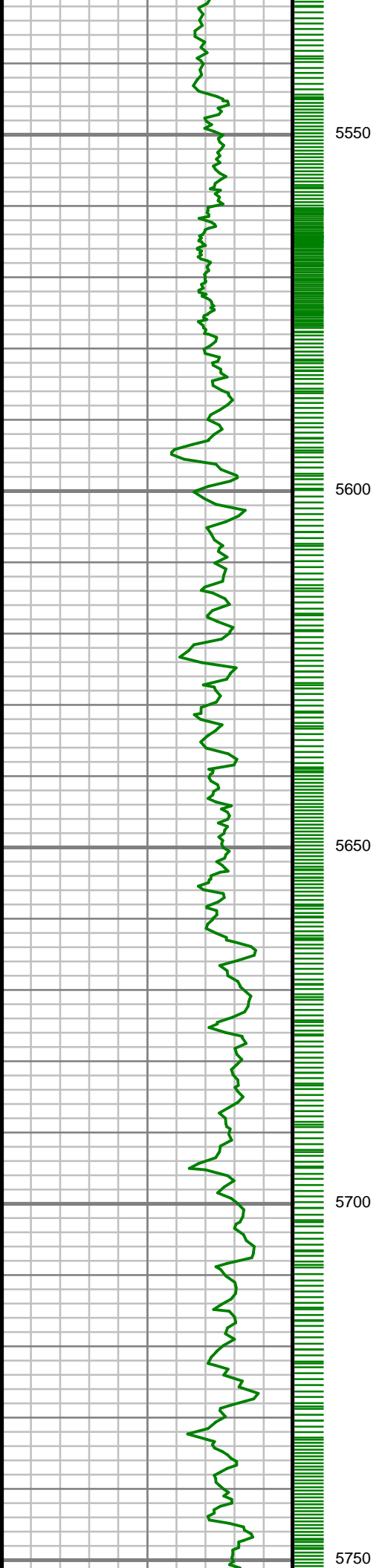
5450

5500



S: 56 MD: 5351.00 ft
Inc: 11.15 deg Az:
31.60 deg TVD:
5132.44 ft

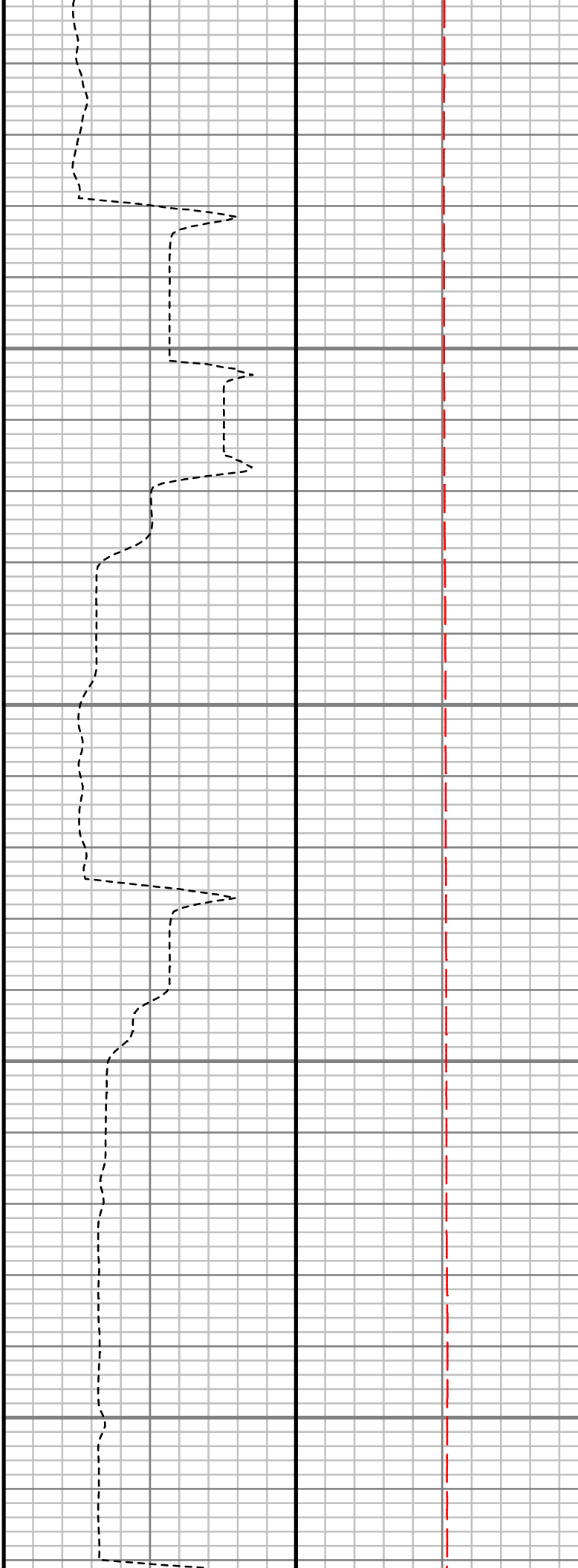
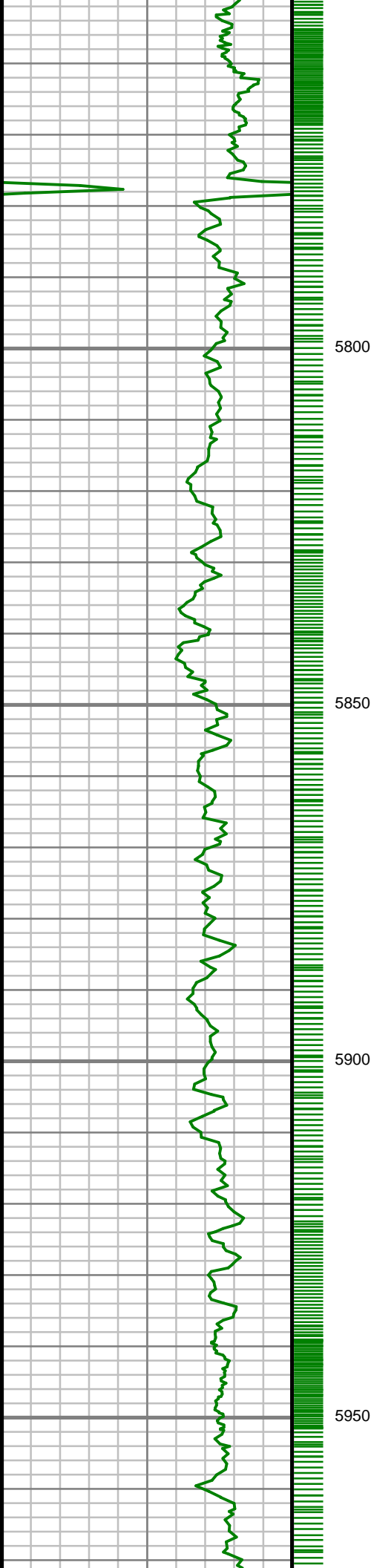
S: 57 MD: 5446.00 ft
Inc: 9.92 deg Az: 31.00
deg TVD: 5225.83 ft



S: 58 MD: 5541.00 ft
Inc: 8.79 deg Az: 26.16
deg TVD: 5319.57 ft

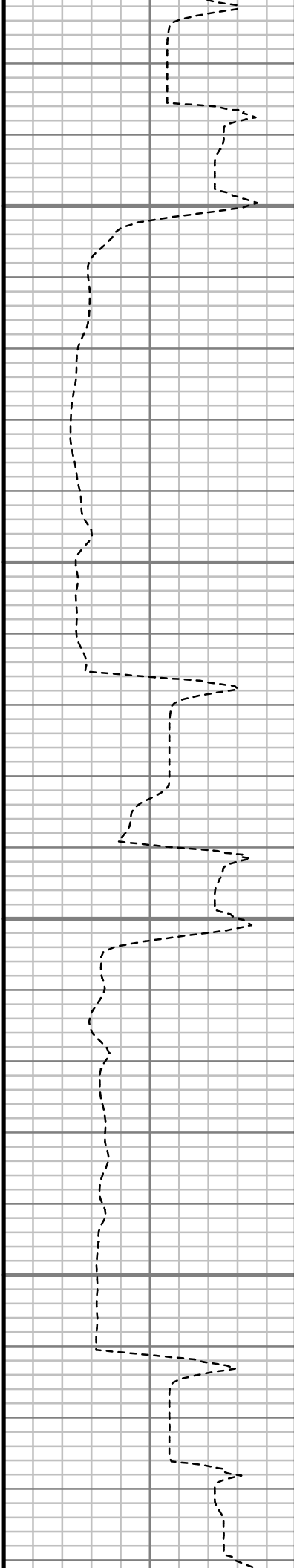
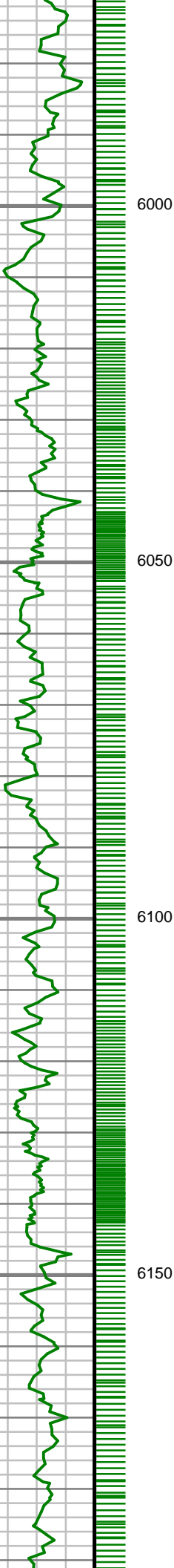
S: 59 MD: 5635.00 ft
Inc: 7.42 deg Az: 31.82
deg TVD: 5412.63 ft

S: 60 MD: 5728.00 ft
Inc: 6.76 deg Az: 23.83
deg TVD: 5504.92 ft



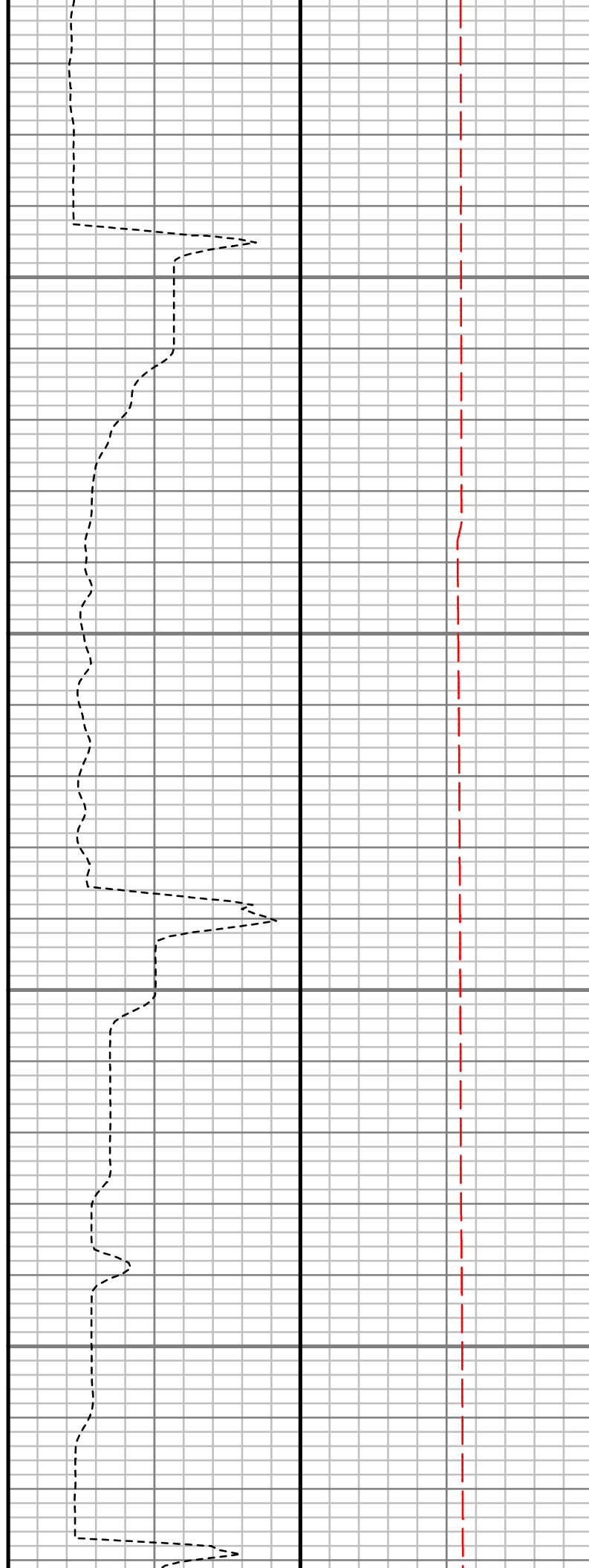
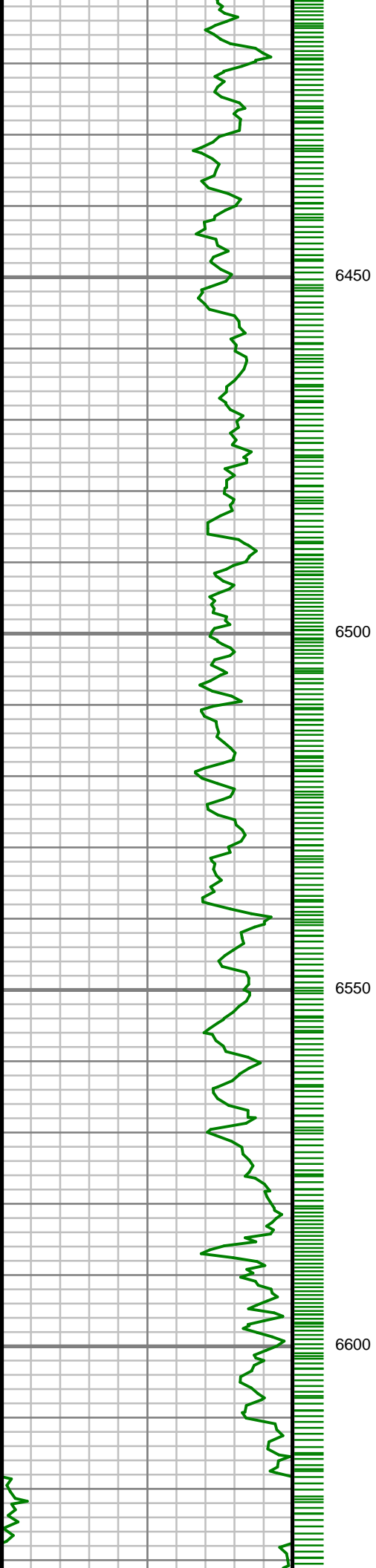
S: 61 MD: 5823.00 ft
Inc: 4.71 deg Az: 37.13
deg TVD: 5599.44 ft

S: 62 MD: 5918.00 ft
Inc: 4.64 deg Az: 27.00
deg TVD: 5694.13 ft



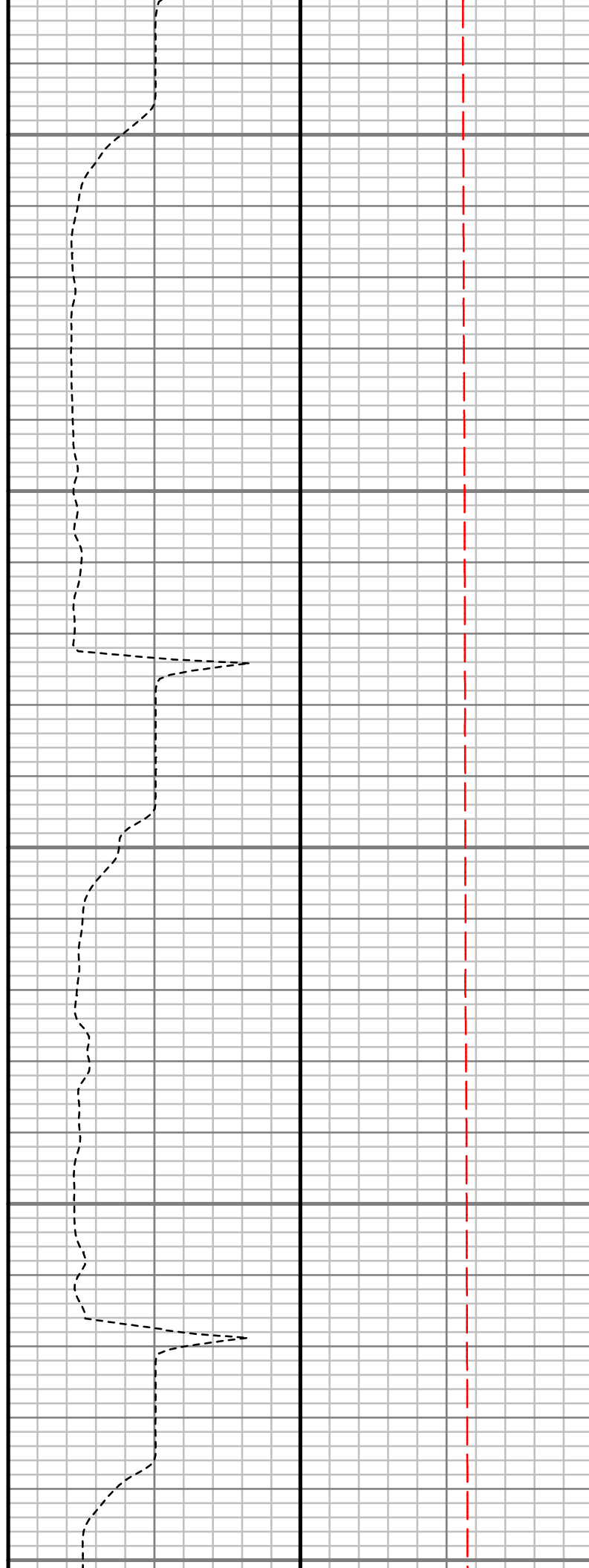
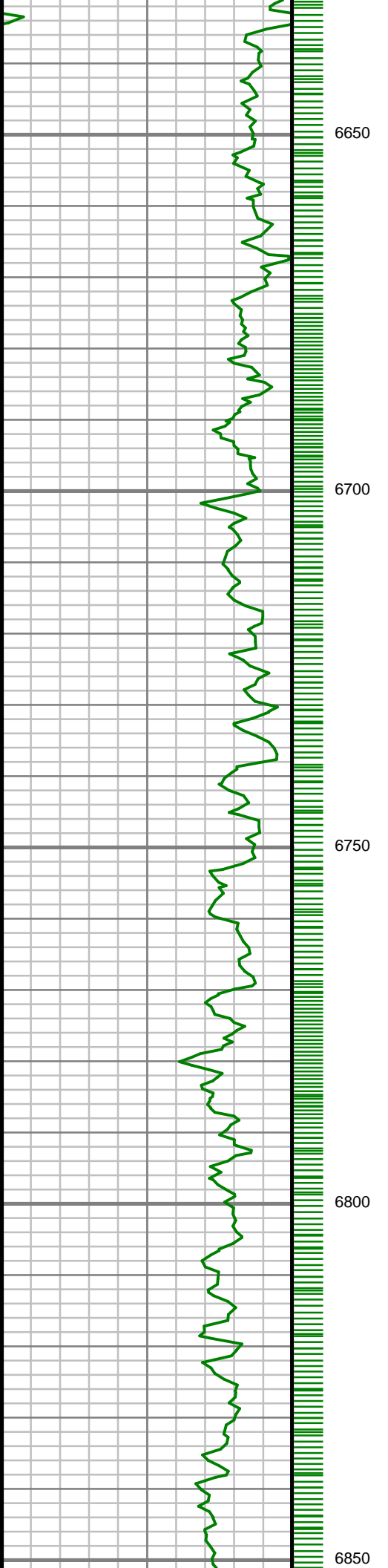
S: 63 MD: 6013.00 ft
Inc: 2.93 deg Az: 14.42
deg TVD: 5788.92 ft

S: 64 MD: 6108.00 ft
Inc: 1.57 deg Az:
354.18 deg TVD:
5883.85 ft



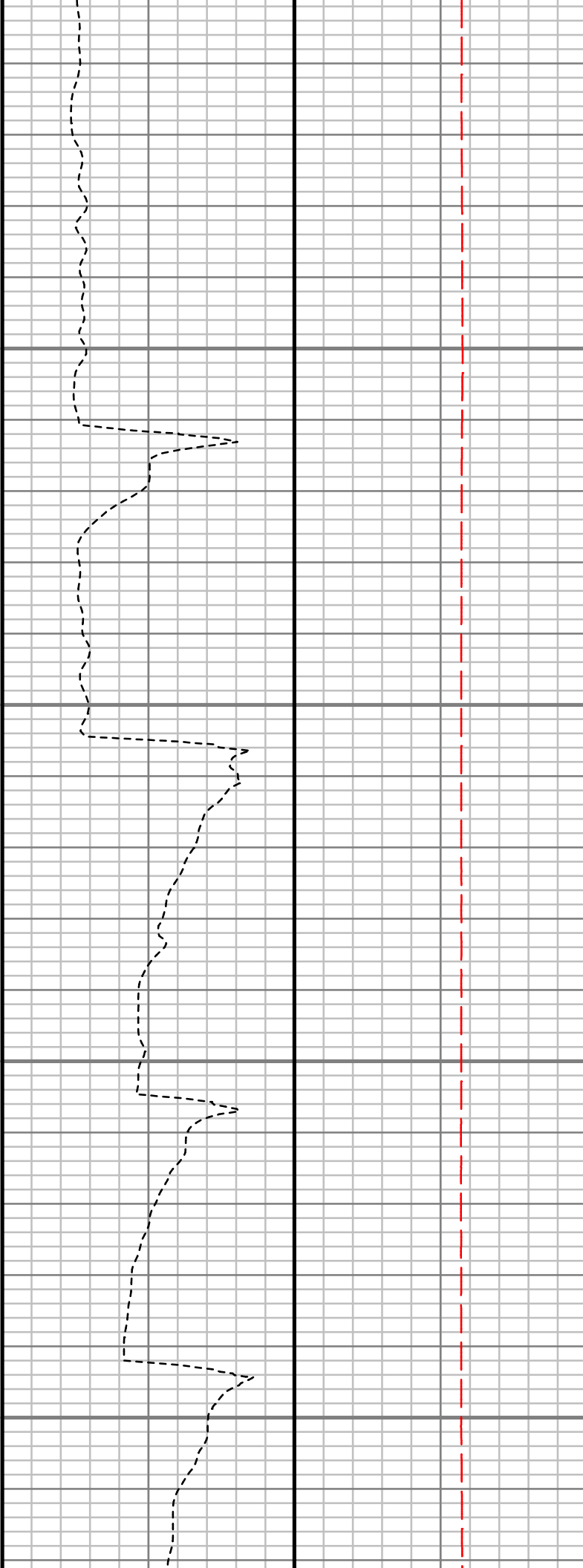
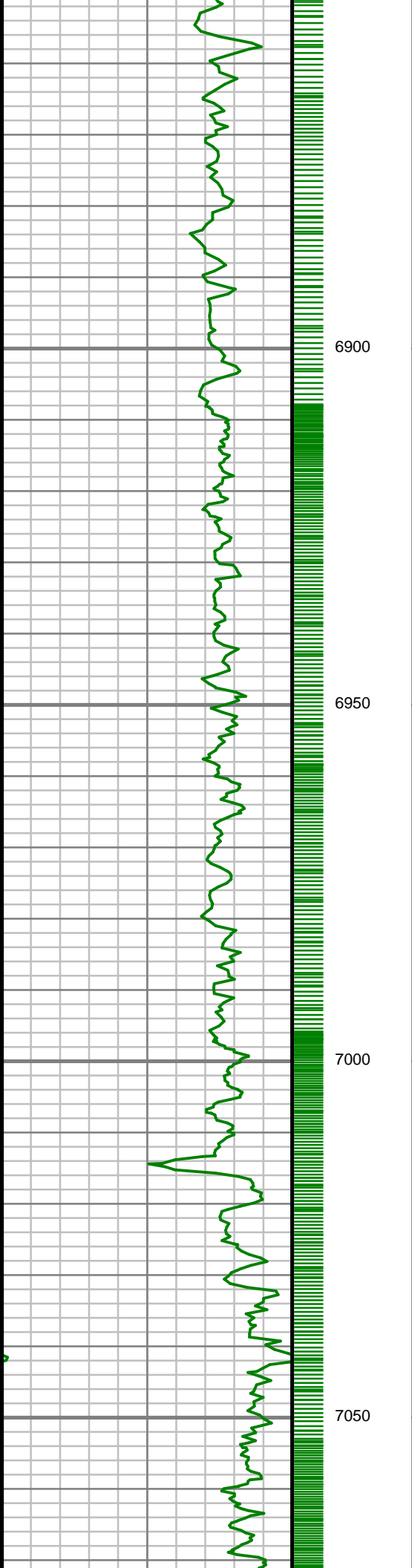
S: 68 MD: 6482.00 ft
Inc: 0.86 deg Az:
207.09 deg TVD:
6257.82 ft

S: 69 MD: 6577.00 ft
Inc: 1.25 deg Az:
204.18 deg TVD:
6352.80 ft



S: 70 MD: 6672.00 ft
Inc: 1.30 deg Az:
207.92 deg TVD:
6447.78 ft

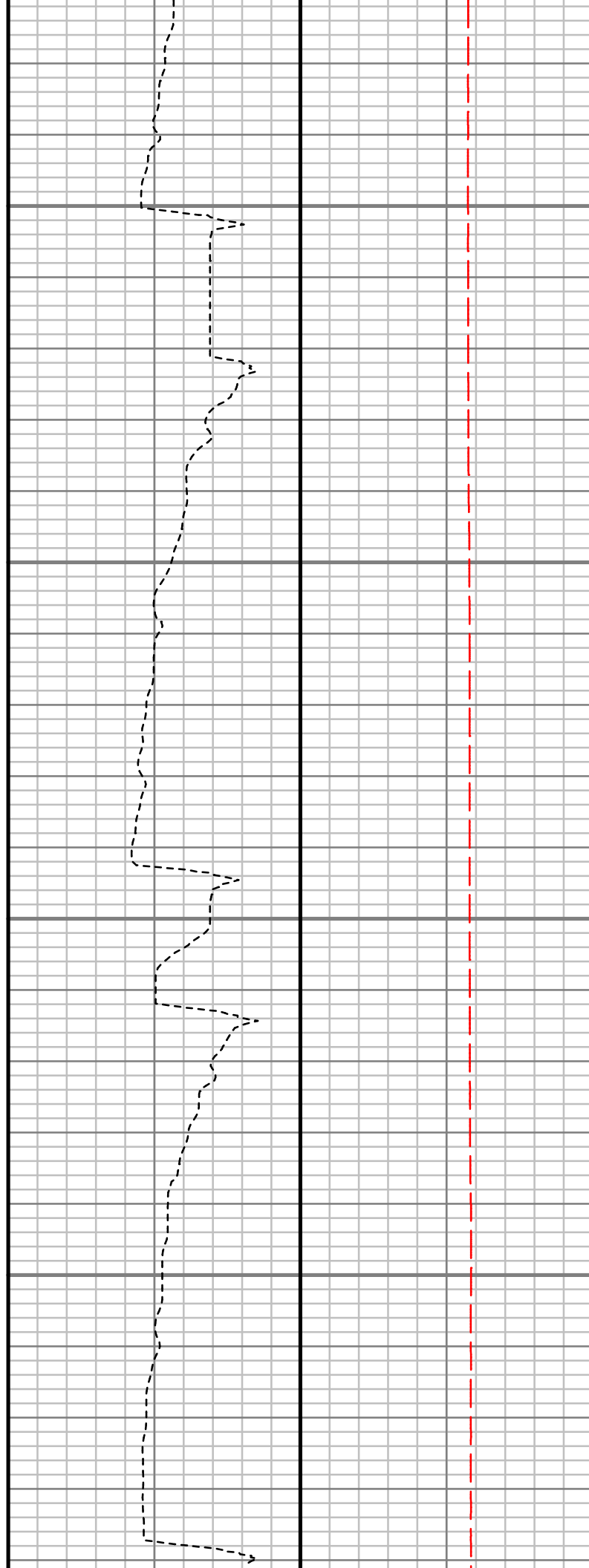
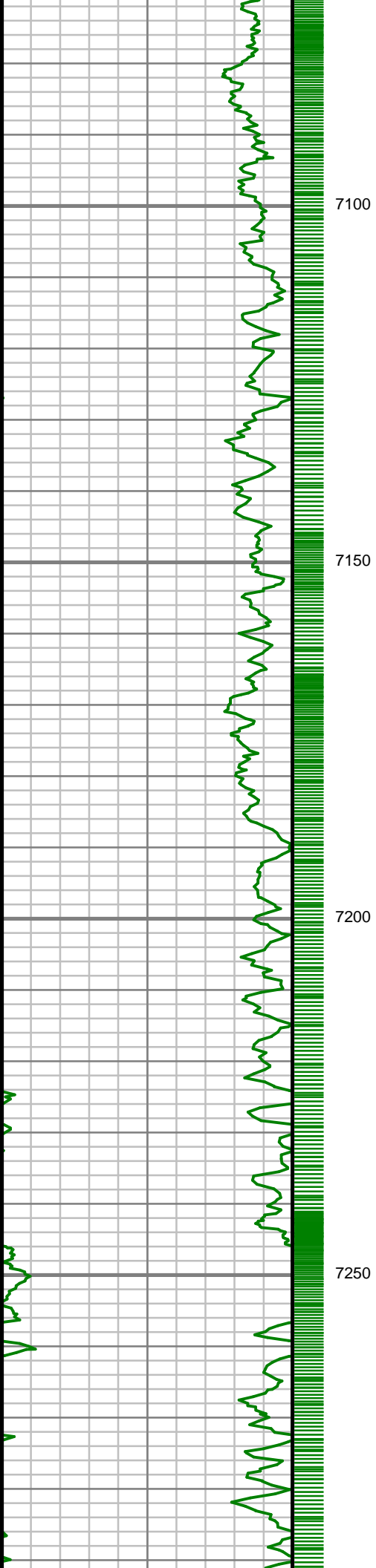
S: 71 MD: 6766.00 ft
Inc: 1.22 deg Az:
243.92 deg TVD:
6541.76 ft



S: 72 MD: 6860.00 ft
Inc: 1.32 deg Az:
246.91 deg TVD:
6635.73 ft

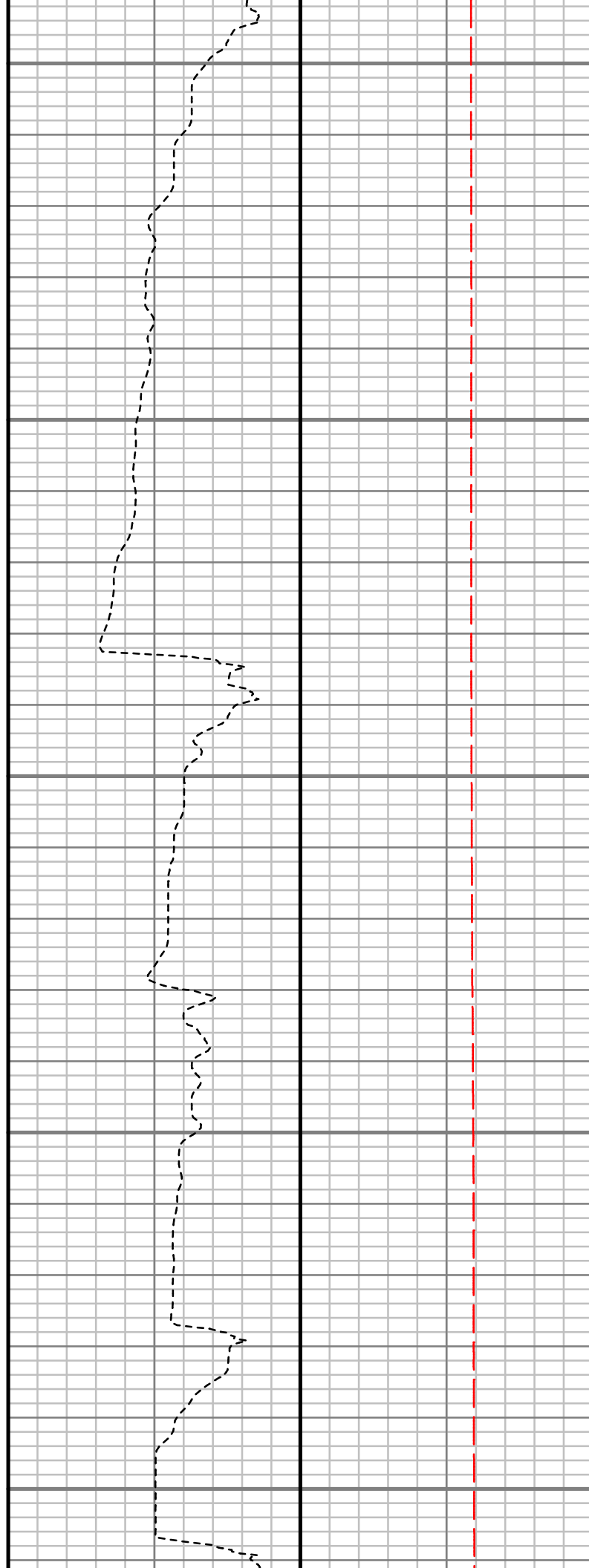
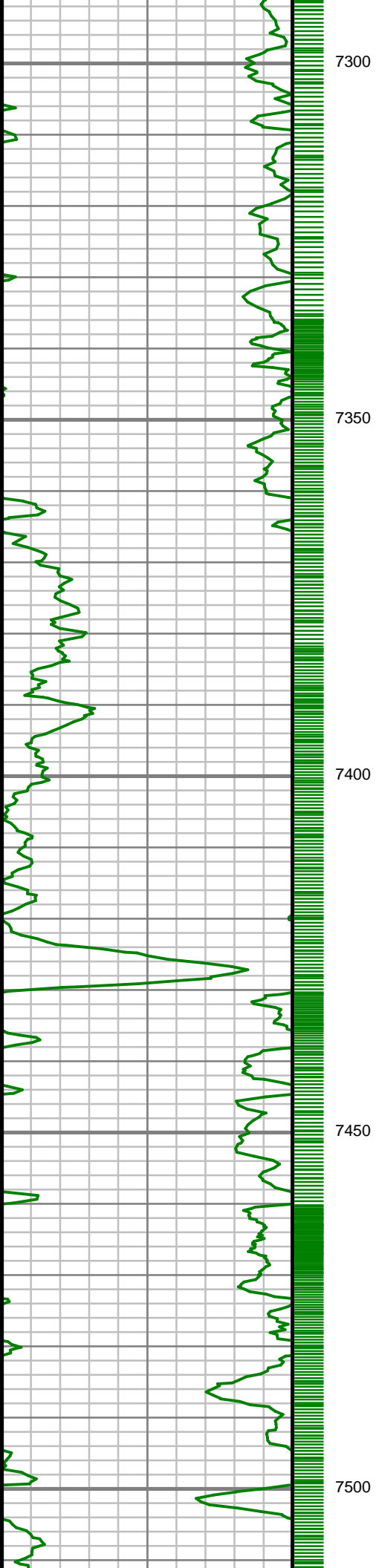
S: 73 MD: 6953.00 ft
Inc: 1.59 deg Az:
225.78 deg TVD:
6728.70 ft

S: 74 MD: 7048.00 ft
Inc: 7.90 deg Az:
176.08 deg TVD:
6823.35 ft



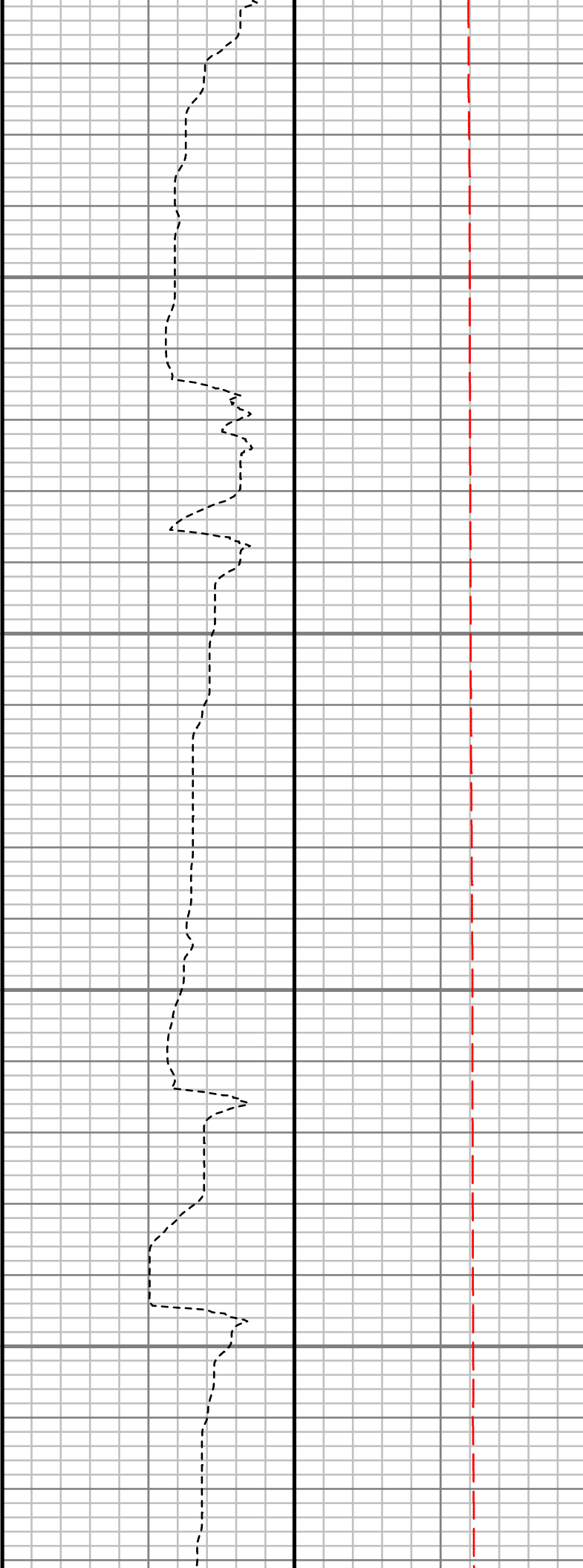
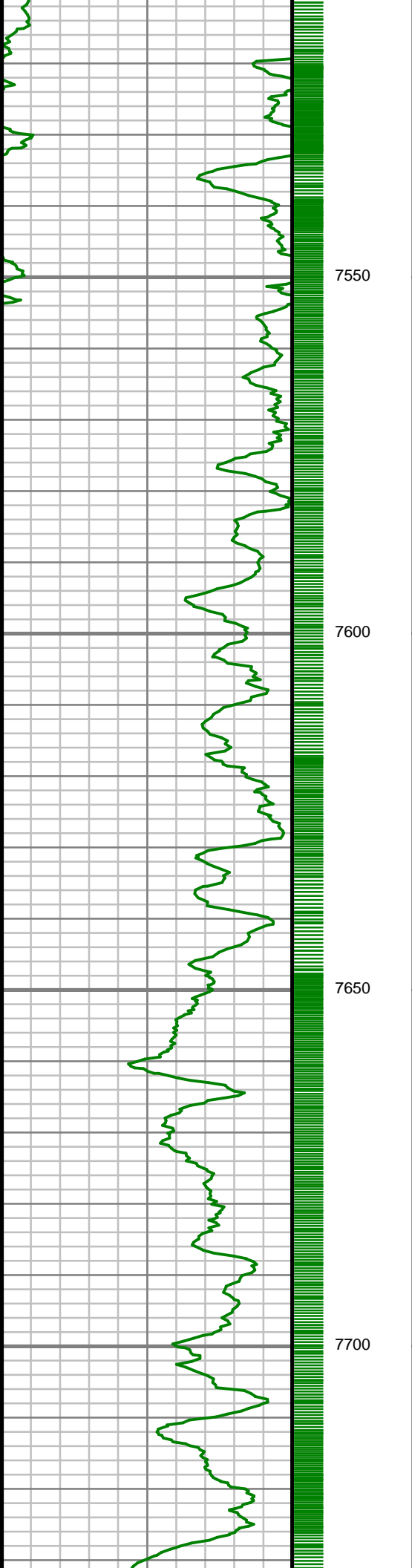
S: 75 MD: 7142.00 ft
Inc: 16.60 deg Az:
177.85 deg TVD:
6915.12 ft

S: 76 MD: 7237.00 ft
Inc: 24.41 deg Az:
172.70 deg TVD:
7004.04 ft



S: 77 MD: 7332.00 ft
Inc: 34.39 deg Az:
173.76 deg TVD:
7086.71 ft

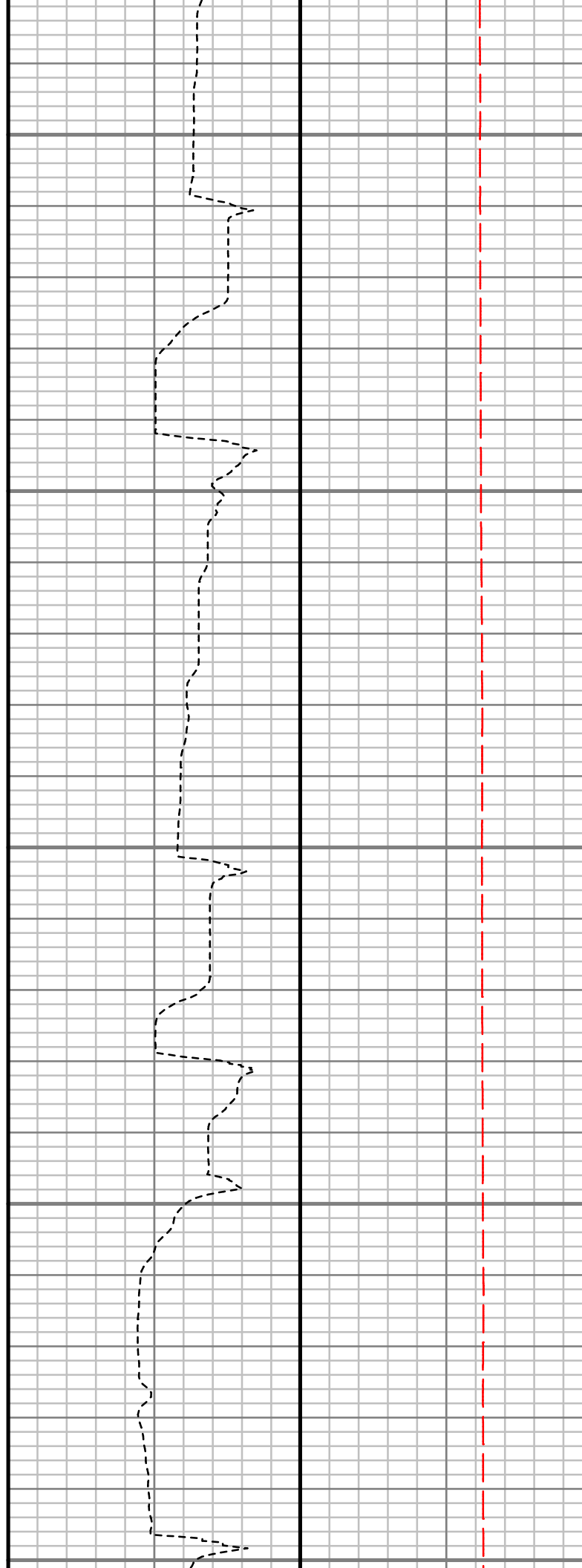
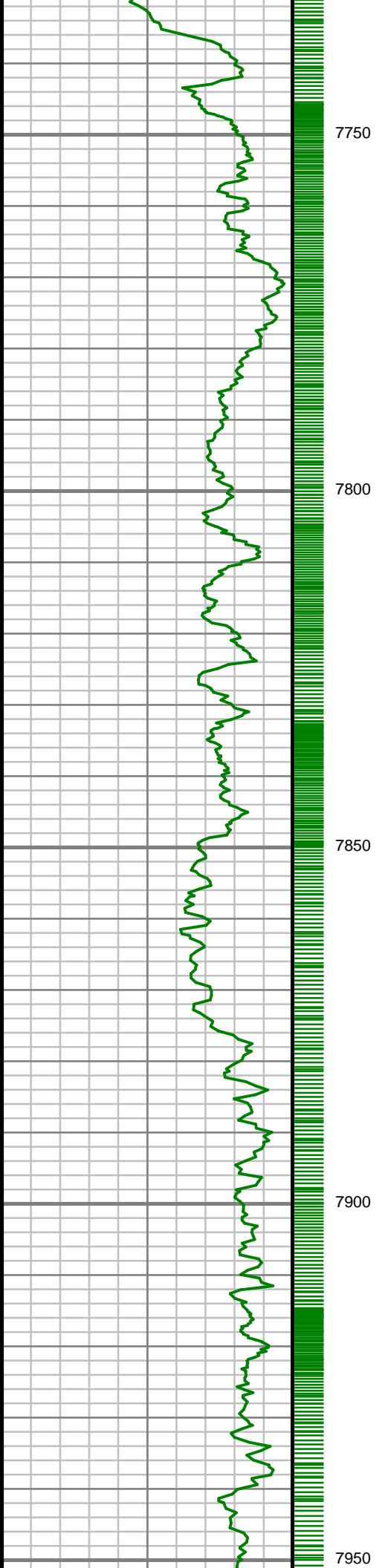
S: 78 MD: 7426.00 ft
Inc: 45.10 deg Az:
173.80 deg TVD:
7158.88 ft



S: 79 MD: 7520.00 ft
Inc: 51.87 deg Az:
175.08 deg TVD:
7221.14 ft

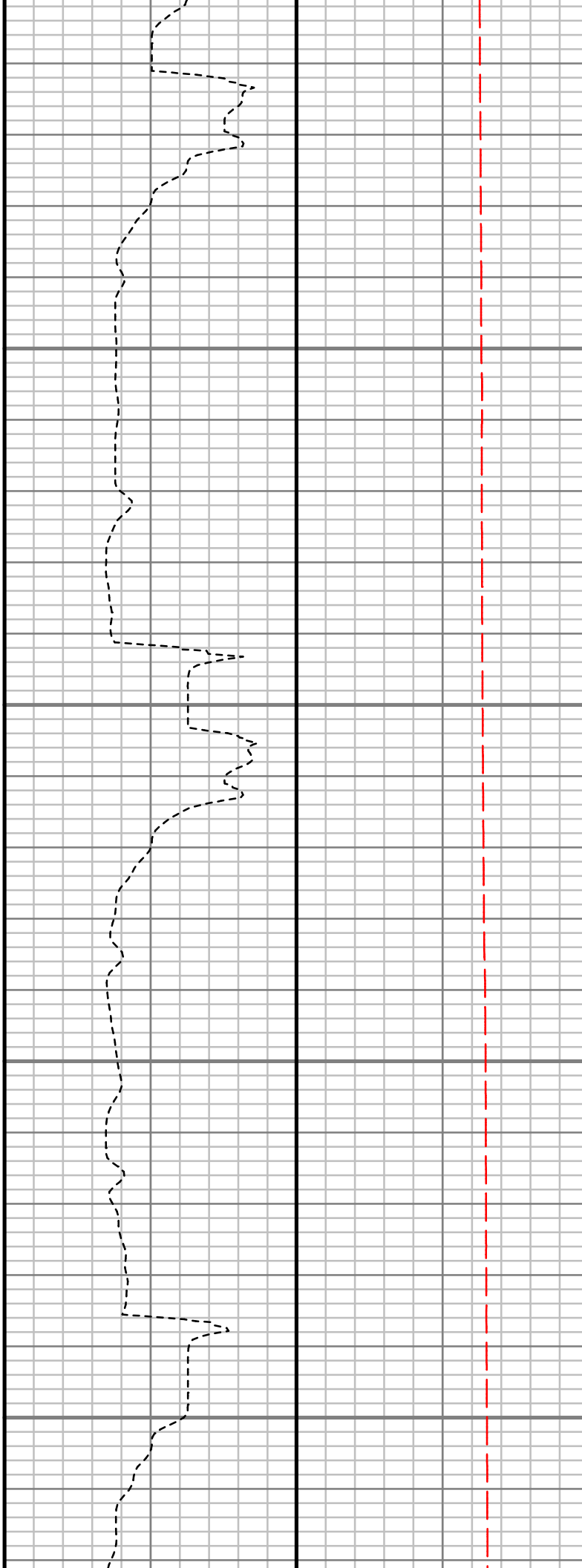
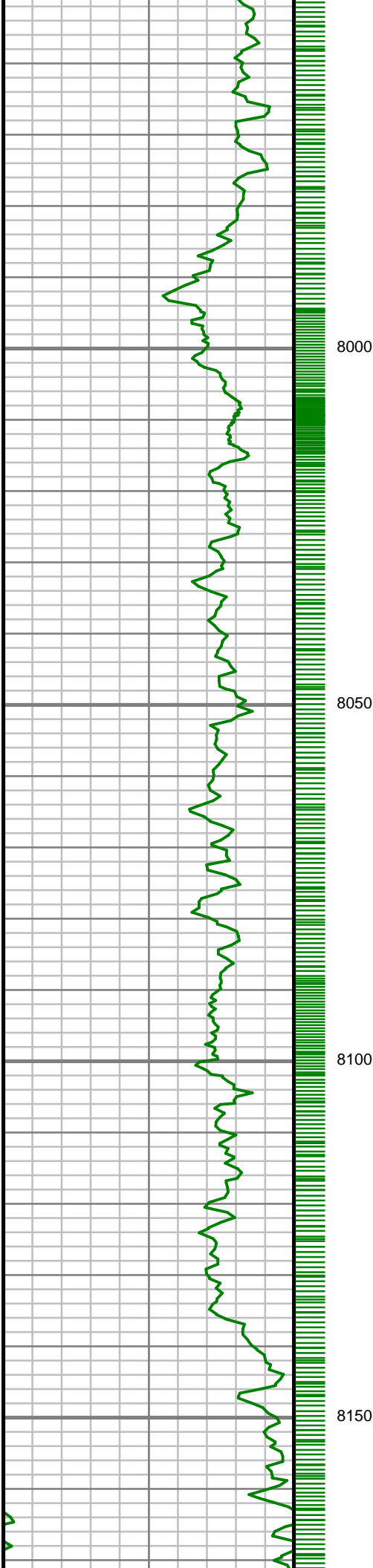
S: 80 MD: 7614.00 ft
Inc: 61.75 deg Az:
177.88 deg TVD:
7272.54 ft

S: 81 MD: 7709.00 ft
Inc: 71.22 deg Az:
180.44 deg TVD:
7310.41 ft



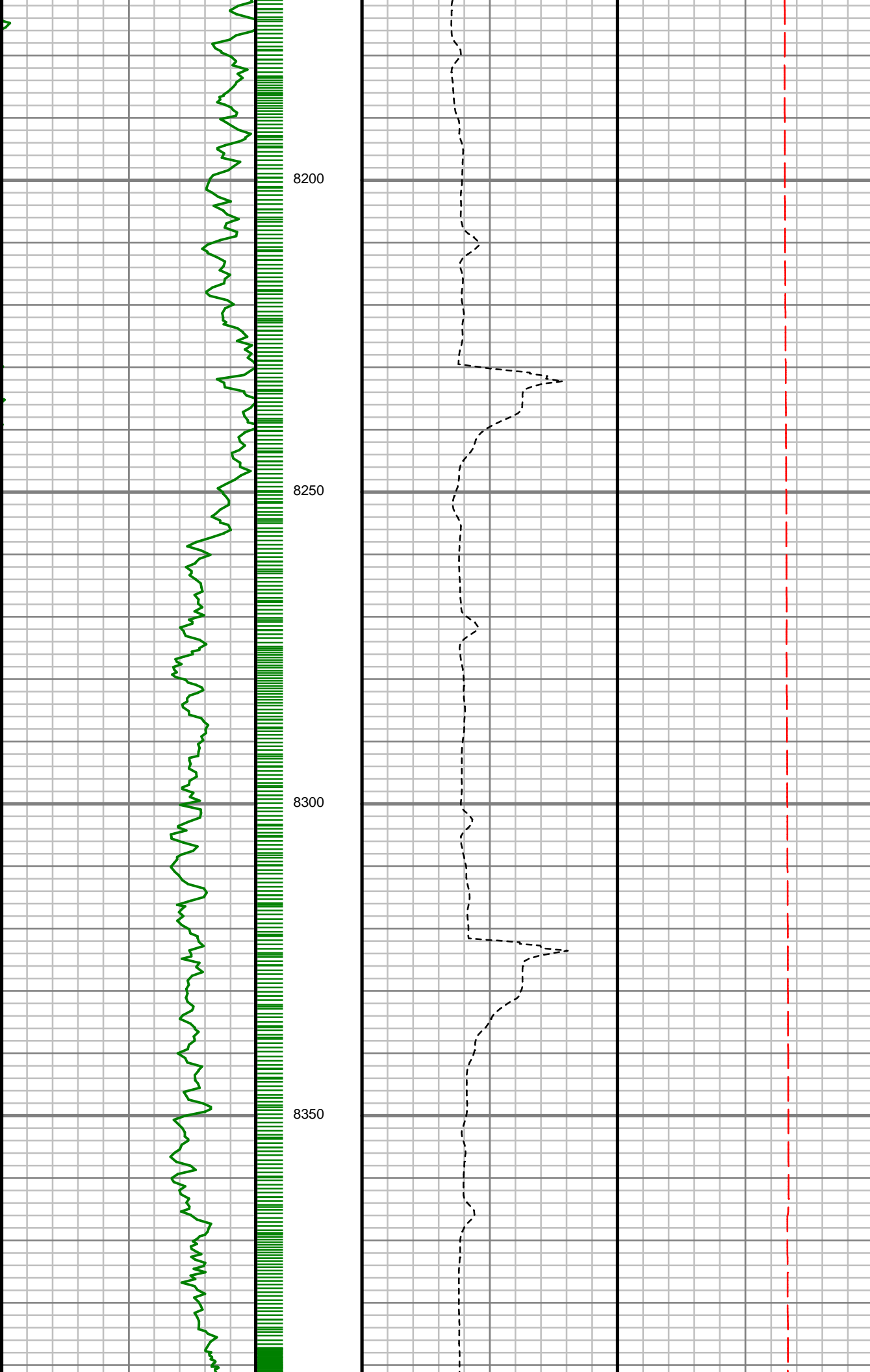
S: 82 MD: 7801.00 ft
Inc: 80.16 deg Az:
179.95 deg TVD:
7333.13 ft

S: 83 MD: 7896.00 ft
Inc: 89.73 deg Az:
177.72 deg TVD:
7341.49 ft



S: 84 MD: 7990.00 ft
Inc: 91.95 deg Az:
178.42 deg TVD:
7340.11 ft

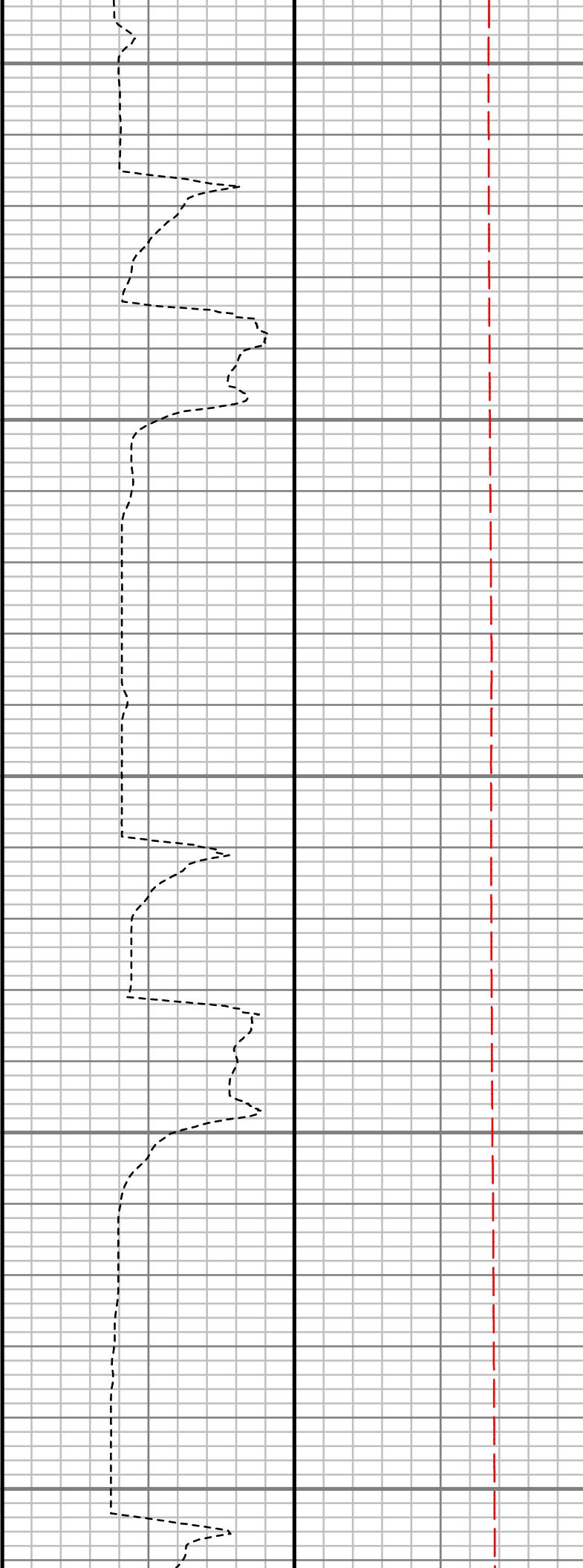
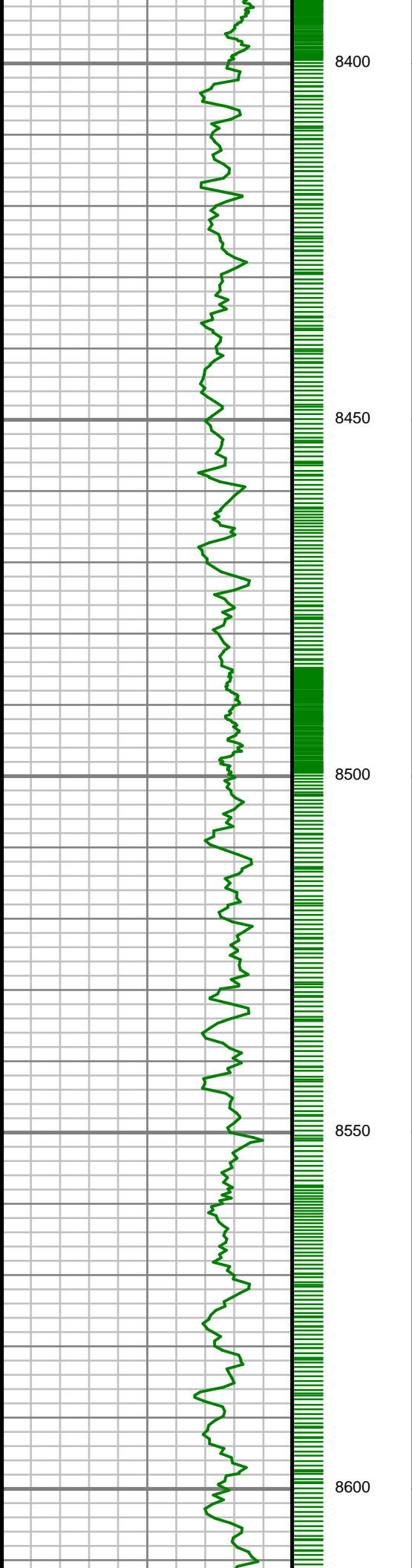
S: 85 MD: 8085.00 ft
Inc: 91.75 deg Az:
179.54 deg TVD:
7337.05 ft



S: 86 MD: 8179.00 ft
Inc: 91.75 deg Az:
178.79 deg TVD:
7334.18 ft

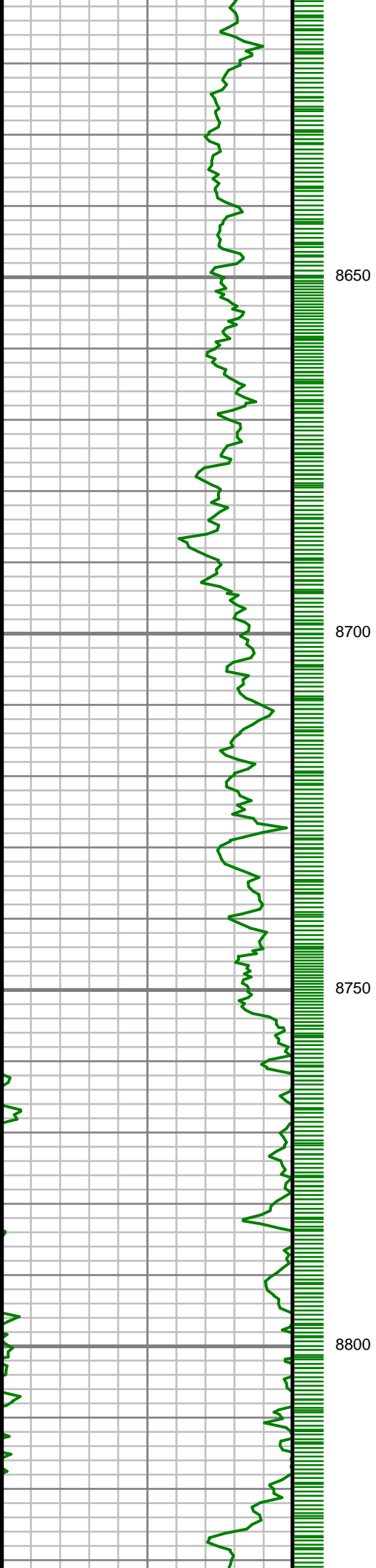
S: 87 MD: 8272.00 ft
Inc: 91.45 deg Az:
178.63 deg TVD:
7331.59 ft

S: 88 MD: 8365.00 ft
Inc: 91.31 deg Az:
178.04 deg TVD:
7329.35 ft



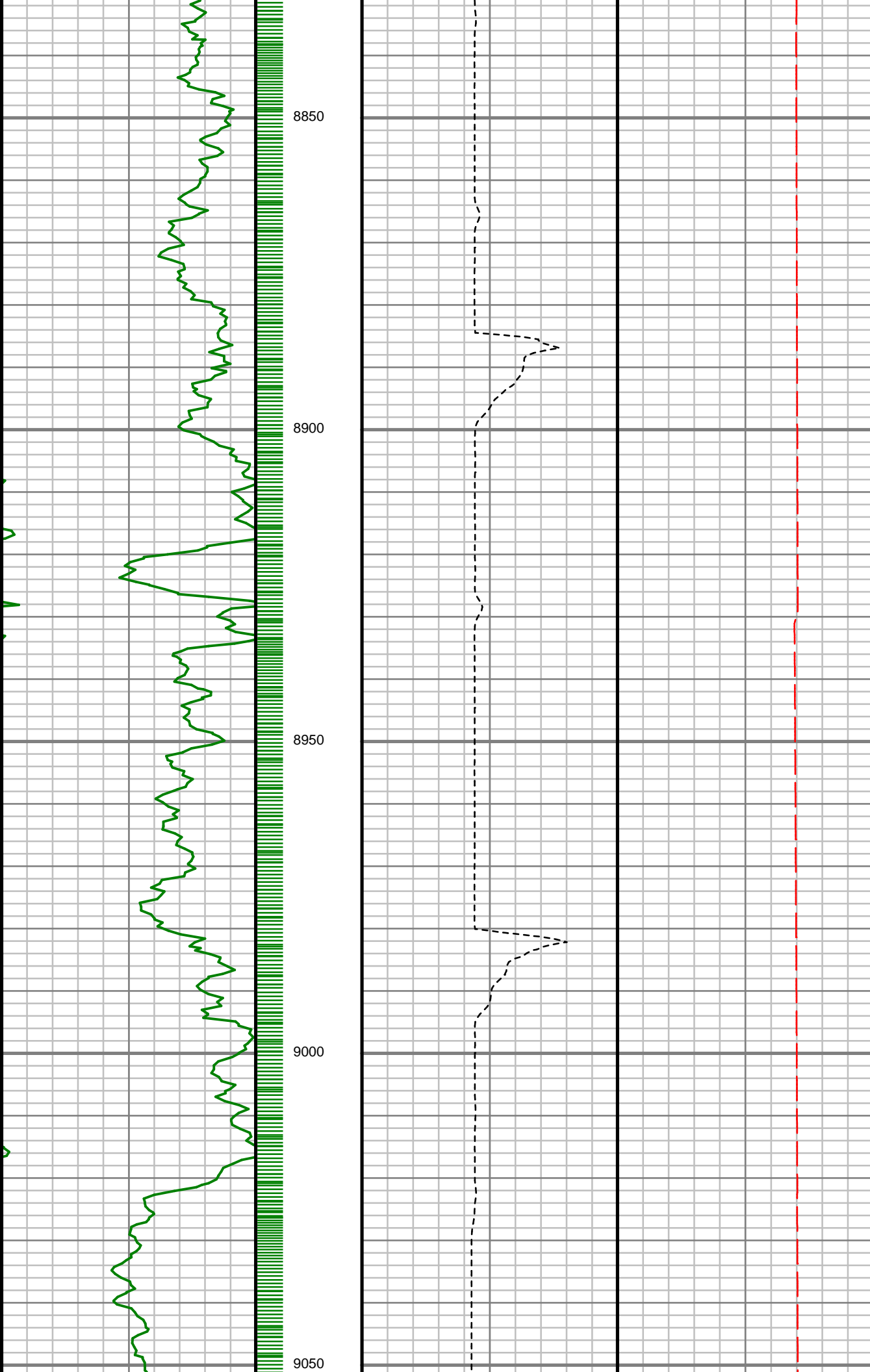
S: 89 MD: 8458.00 ft
Inc: 91.95 deg Az:
178.92 deg TVD:
7326.71 ft

S: 90 MD: 8553.00 ft
Inc: 91.61 deg Az:
180.83 deg TVD:
7323.76 ft



S: 91 MD: 8646.00 ft
Inc: 91.65 deg Az:
181.01 deg TVD:
7321.12 ft

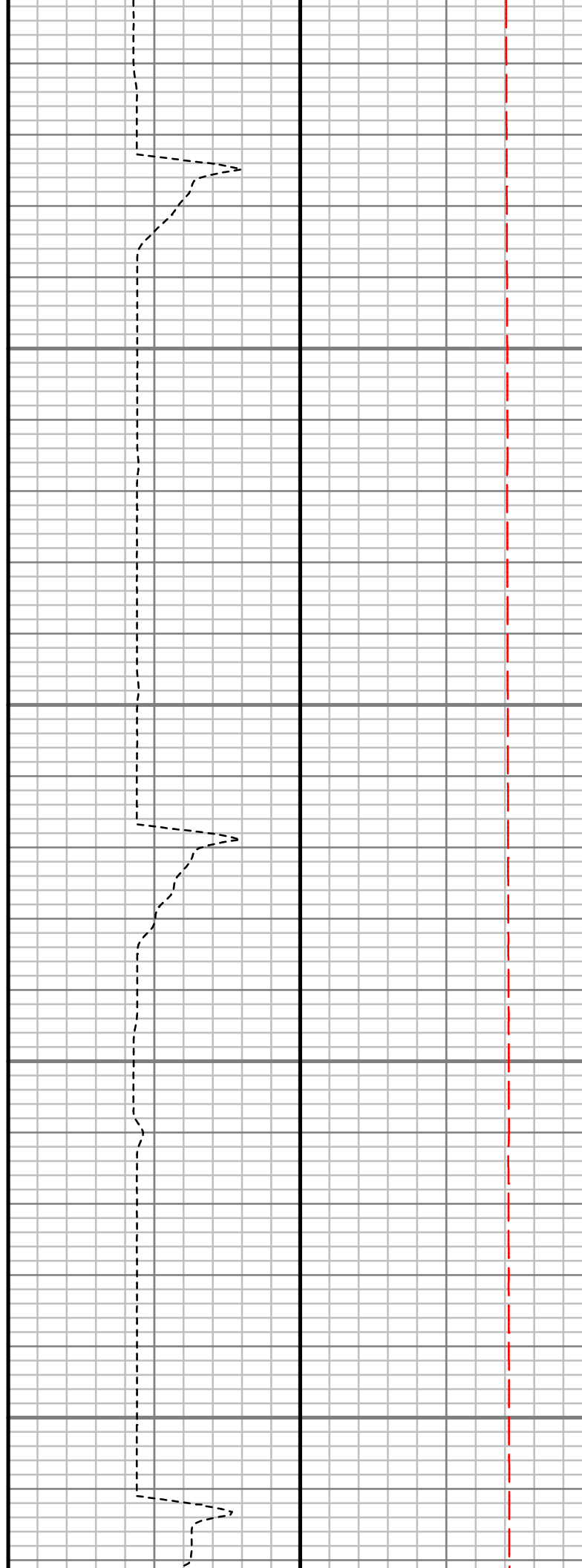
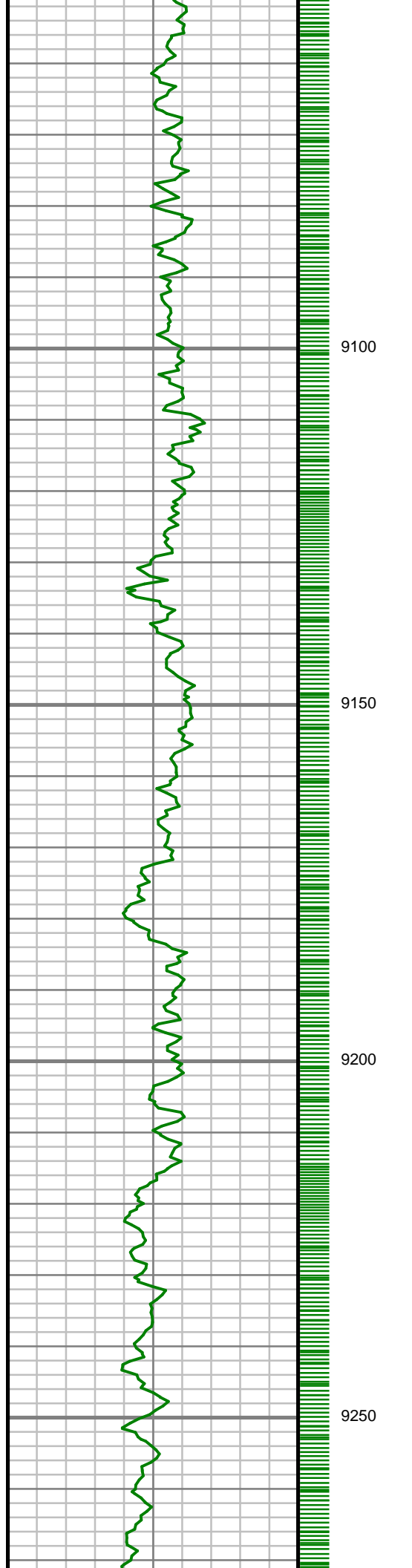
S: 92 MD: 8739.00 ft
Inc: 91.38 deg Az:
180.61 deg TVD:
7318.67 ft



S: 93 MD: 8833.00 ft
Inc: 91.68 deg Az:
180.75 deg TVD:
7316.16 ft

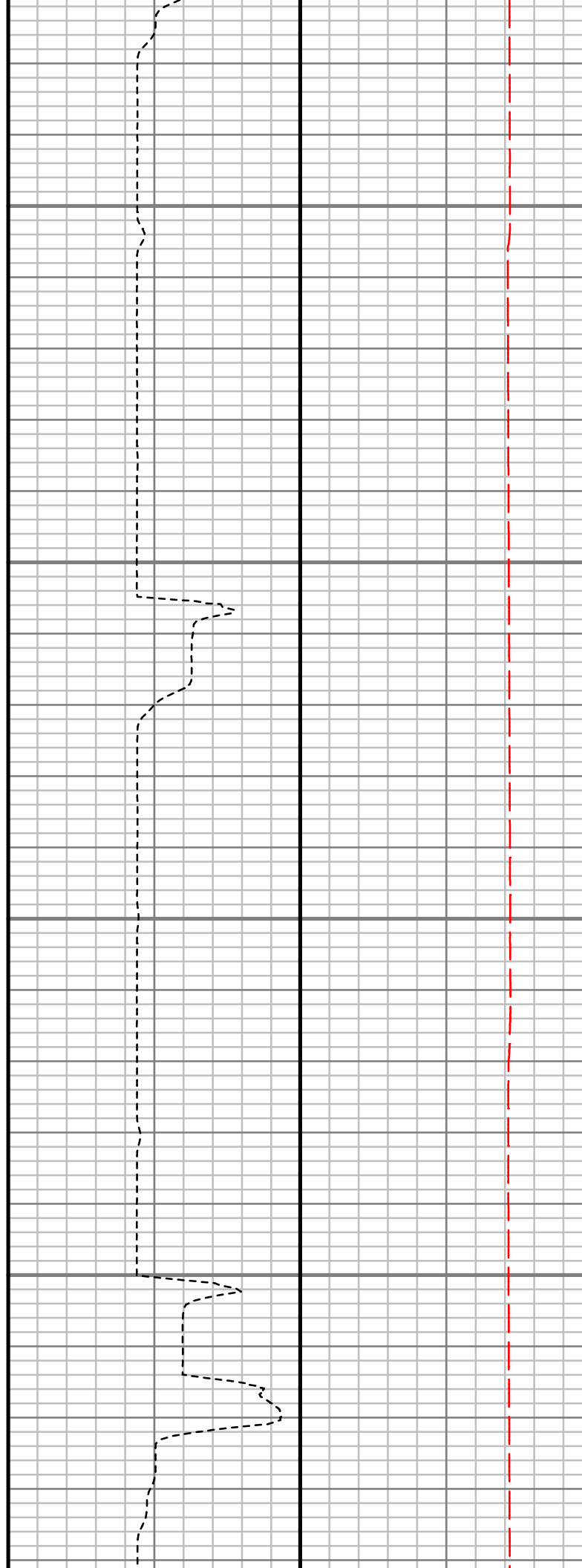
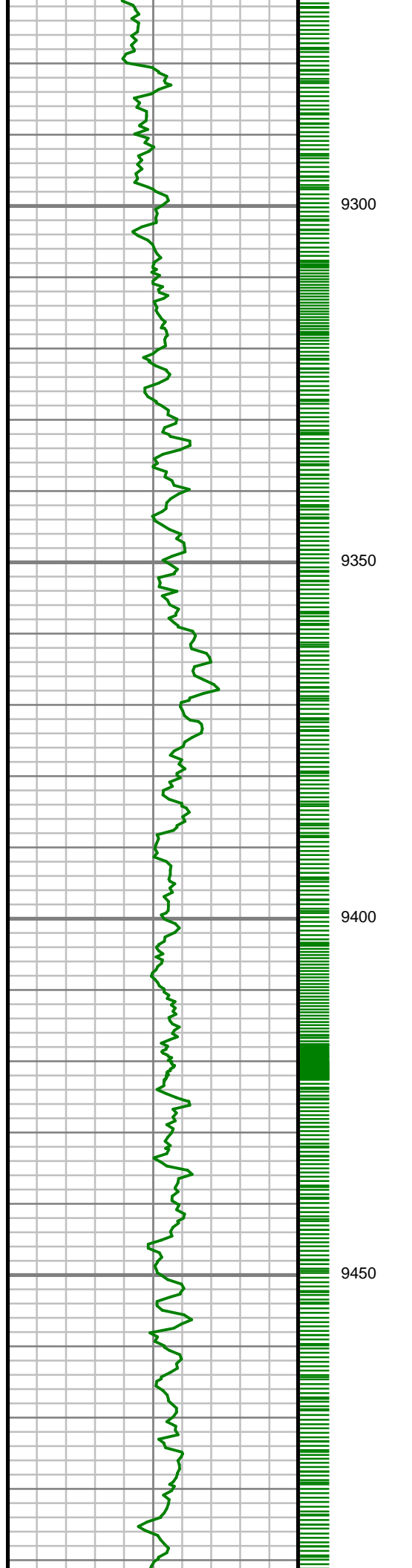
S: 94 MD: 8928.00 ft
Inc: 91.07 deg Az:
180.34 deg TVD:
7313.88 ft

S: 95 MD: 9023.00 ft
Inc: 90.24 deg Az:
179.87 deg TVD:
7312.80 ft



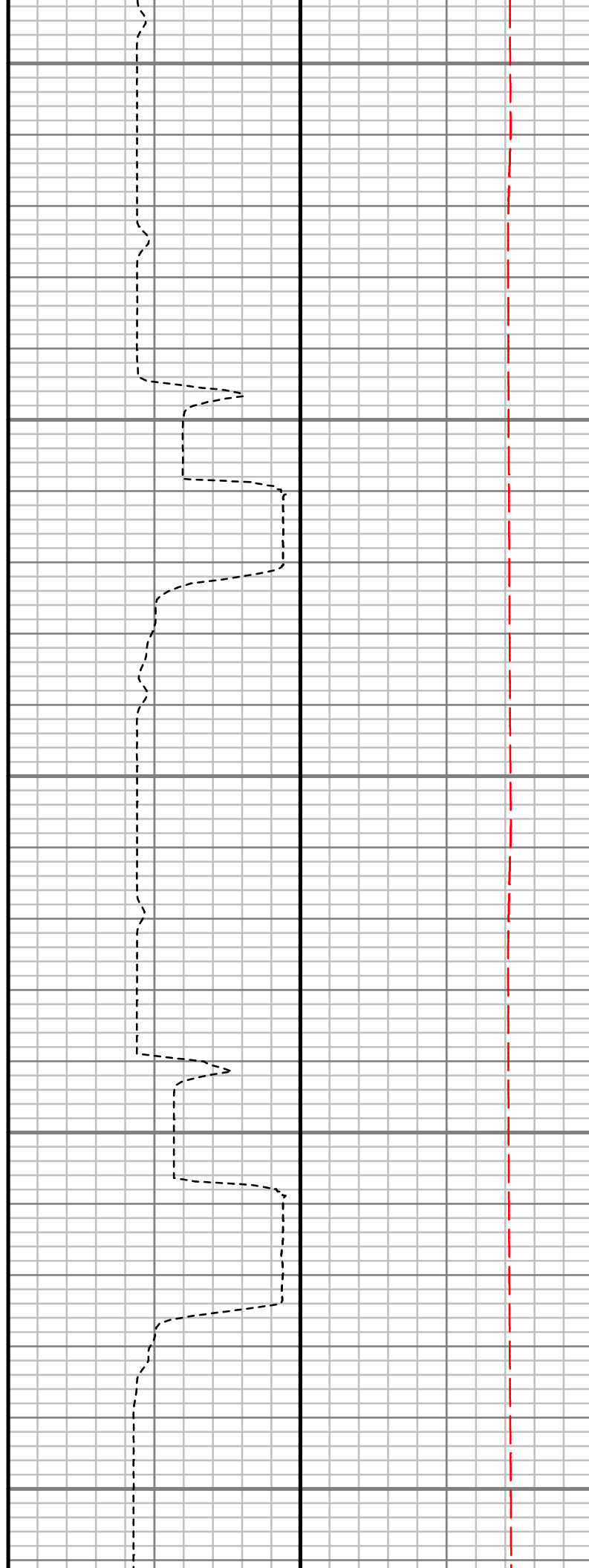
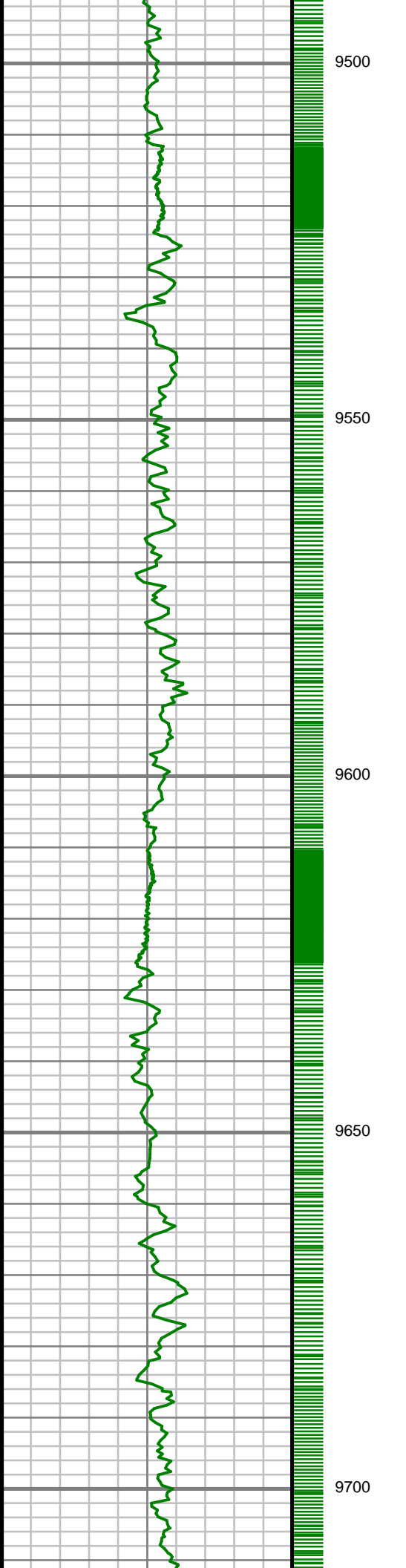
S: 96 MD: 9116.00 ft
Inc: 89.83 deg Az:
179.96 deg TVD:
7312.74 ft

S: 97 MD: 9211.00 ft
Inc: 90.20 deg Az:
179.87 deg TVD:
7312.71 ft



S: 98 MD: 9304.00 ft
Inc: 90.17 deg Az:
178.92 deg TVD:
7312.41 ft

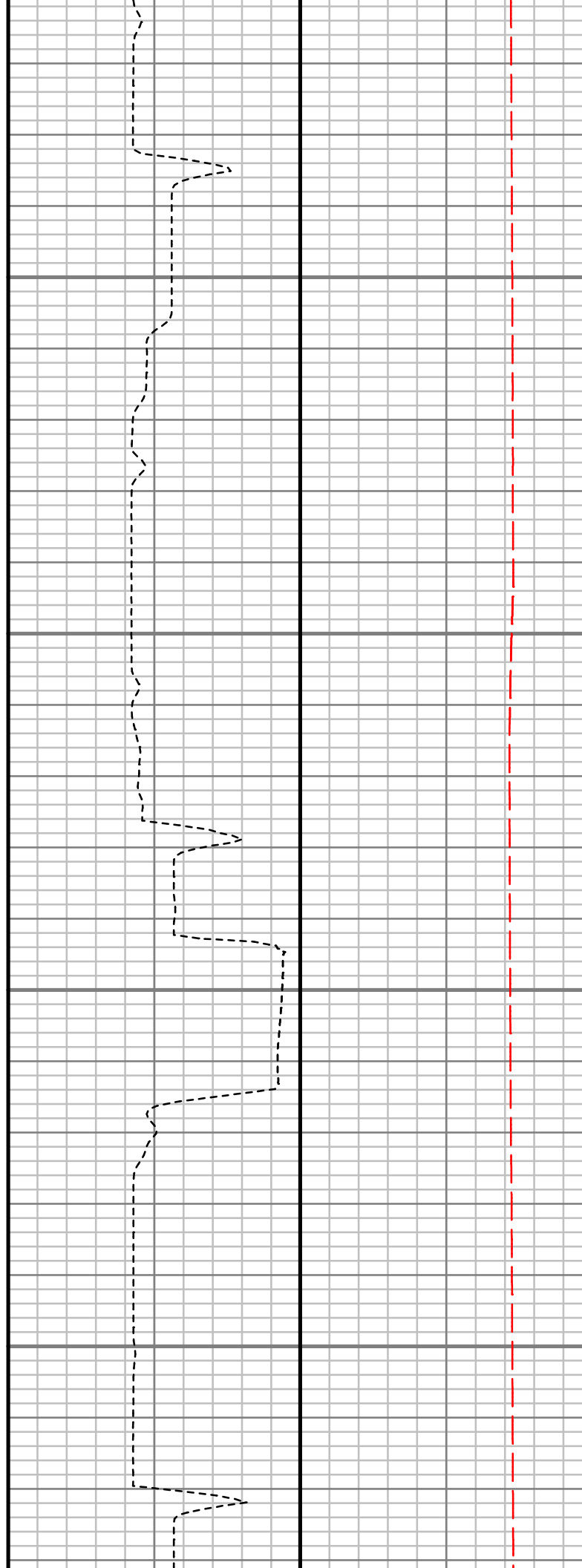
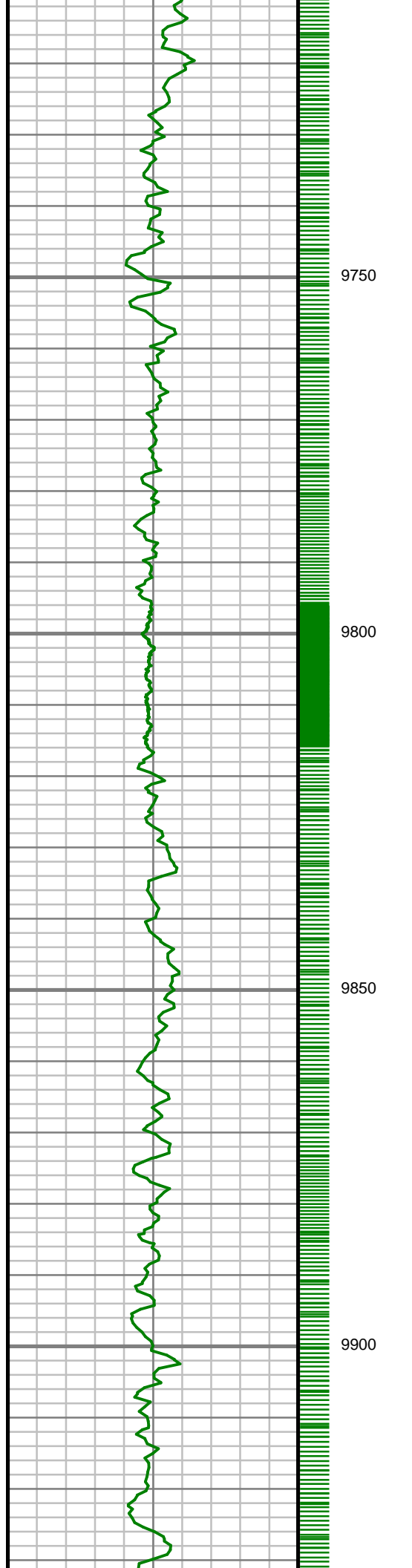
S: 99 MD: 9399.00 ft
Inc: 90.44 deg Az:
177.94 deg TVD:
7311.91 ft



S: 100 MD: 9493.00 ft
Inc: 90.44 deg Az:
177.87 deg TVD:
7311.20 ft

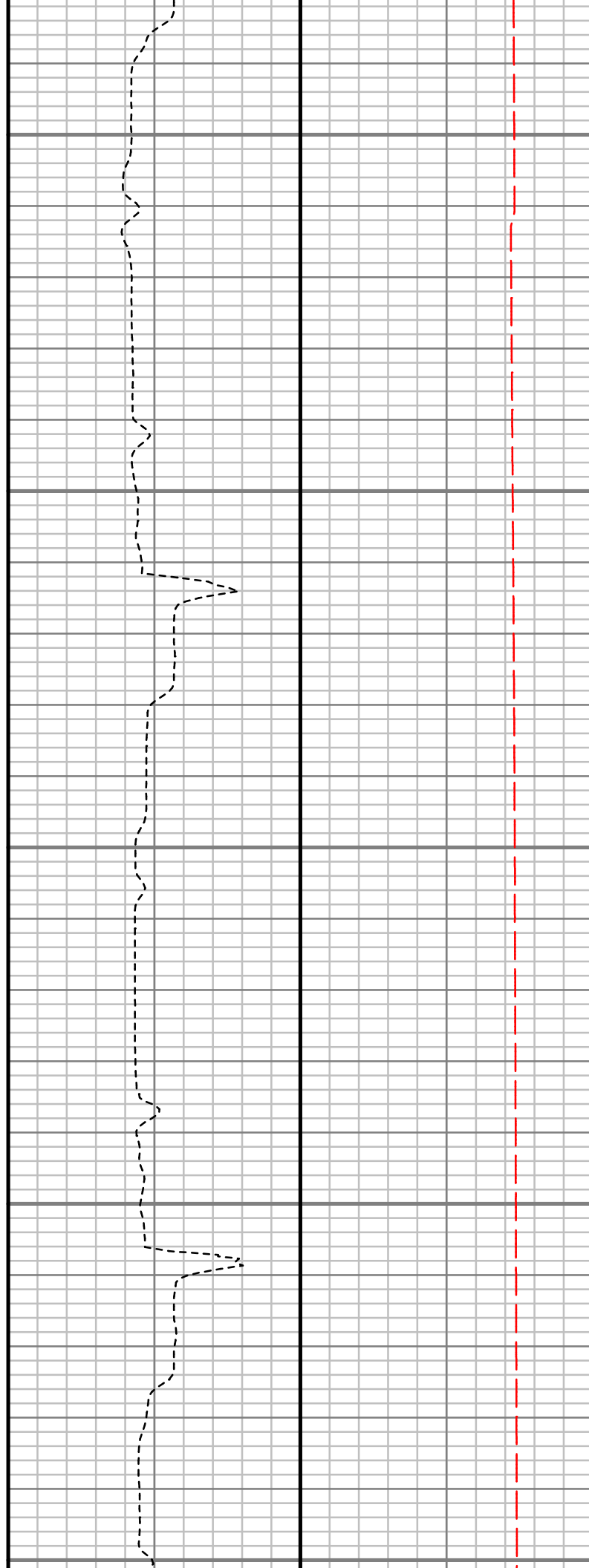
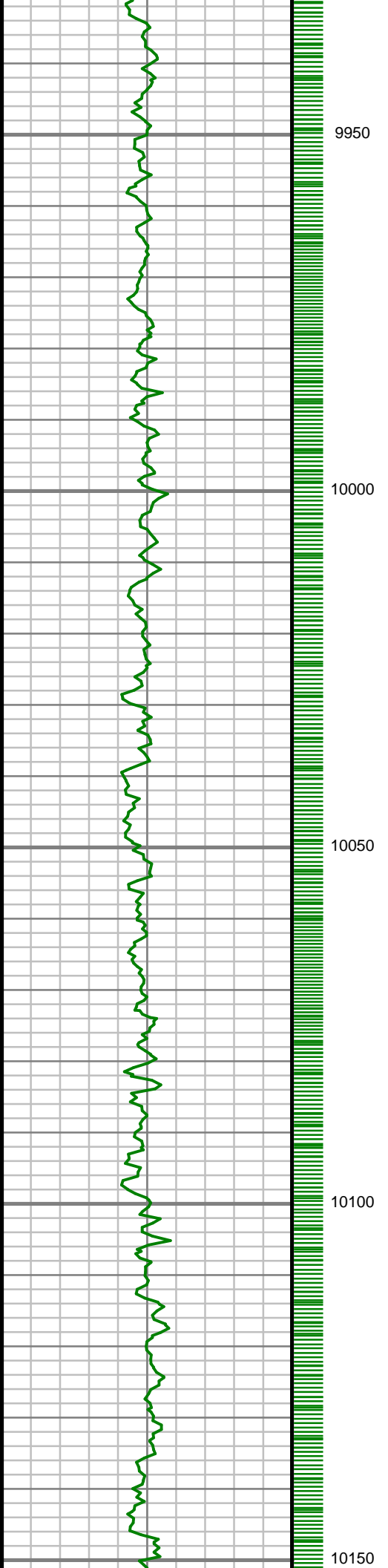
S: 101 MD: 9587.00 ft
Inc: 89.19 deg Az:
178.30 deg TVD:
7311.50 ft

S: 102 MD: 9680.00 ft
Inc: 89.53 deg Az:
179.17 deg TVD:
7312.54 ft



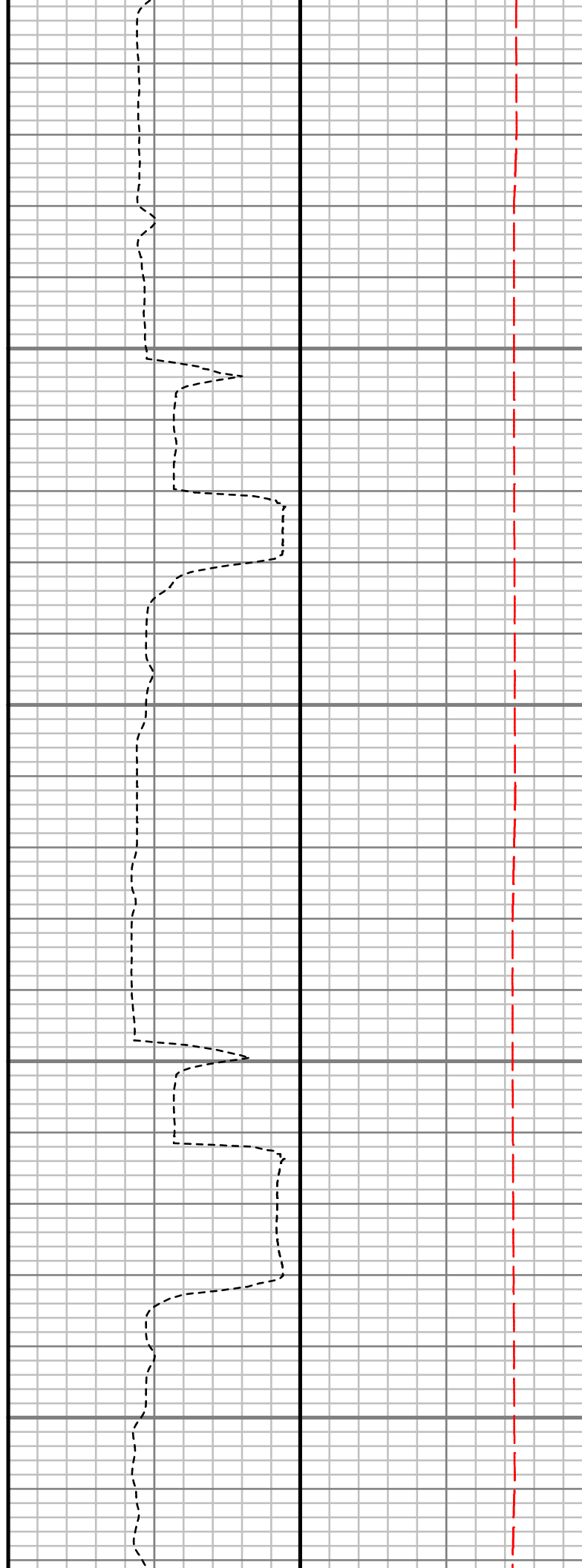
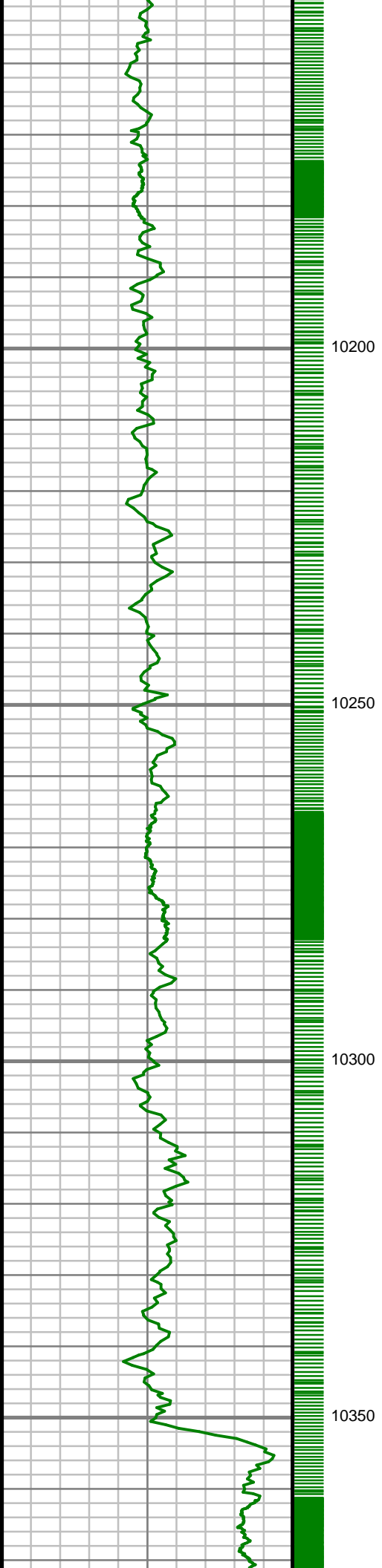
S: 103 MD: 9774.00 ft
Inc: 90.23 deg Az:
178.72 deg TVD:
7312.73 ft

S: 104 MD: 9867.00 ft
Inc: 90.90 deg Az:
181.15 deg TVD:
7311.80 ft



S: 105 MD: 9962.00 ft
Inc: 90.17 deg Az:
180.77 deg TVD:
7310.91 ft

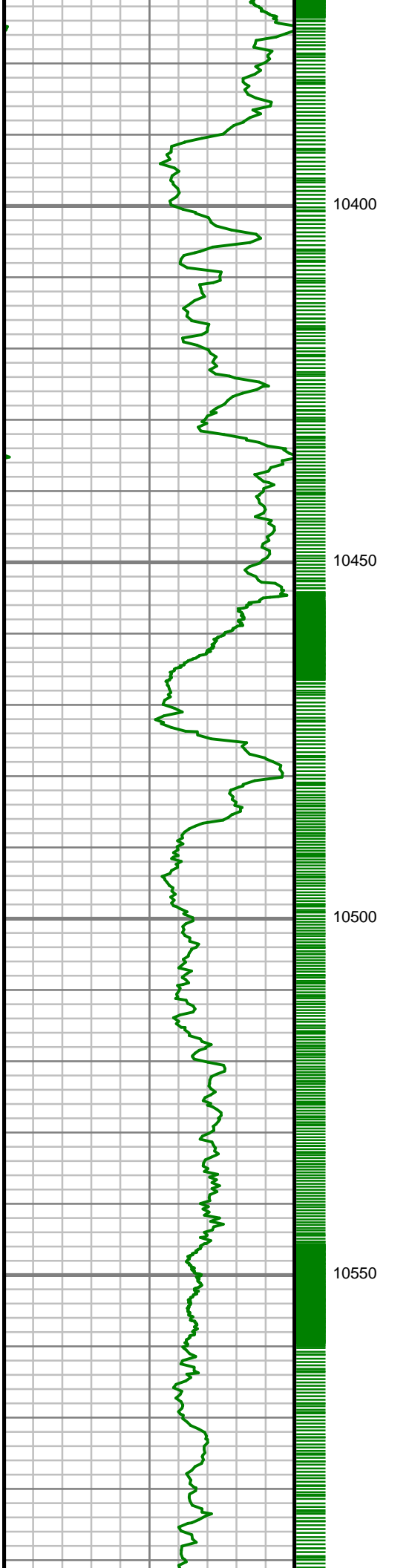
S: 106 MD: 10057.00 ft
Inc: 90.74 deg Az:
181.53 deg TVD:
7310.16 ft



S: 107 MD: 10151.00 ft
Inc: 91.51 deg Az:
182.14 deg TVD:
7308.32 ft

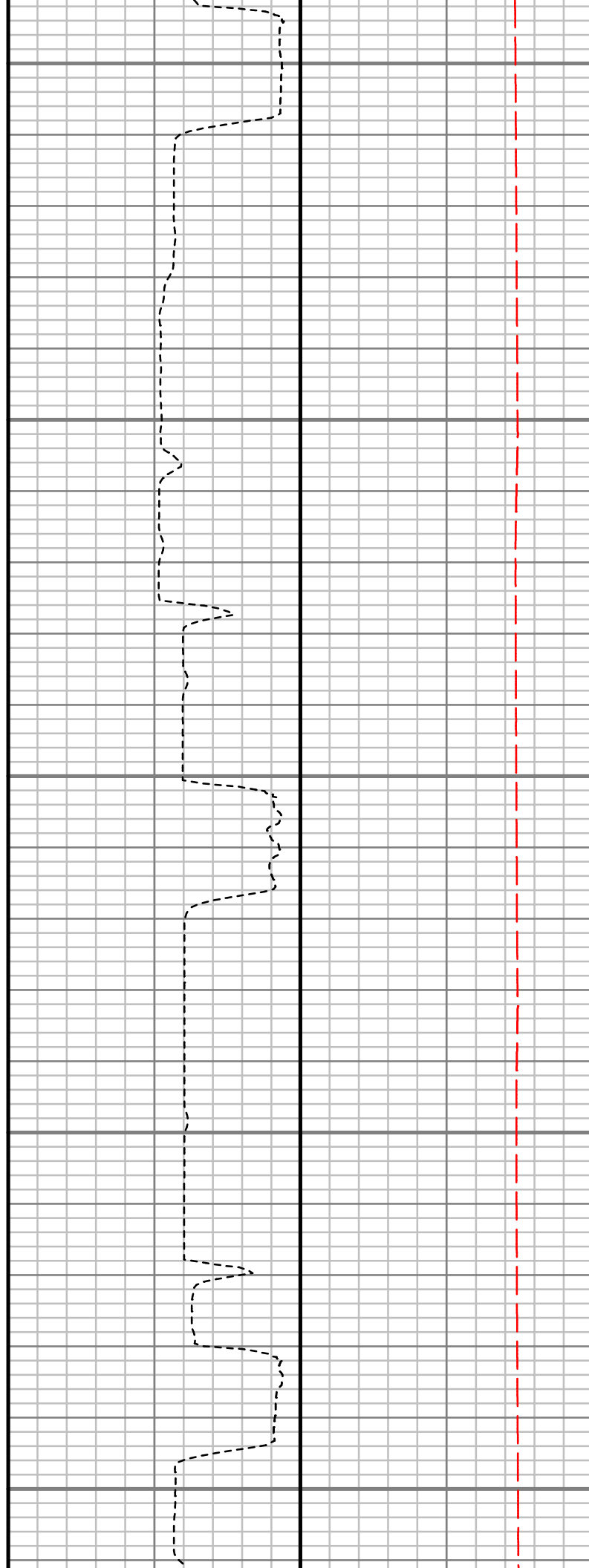
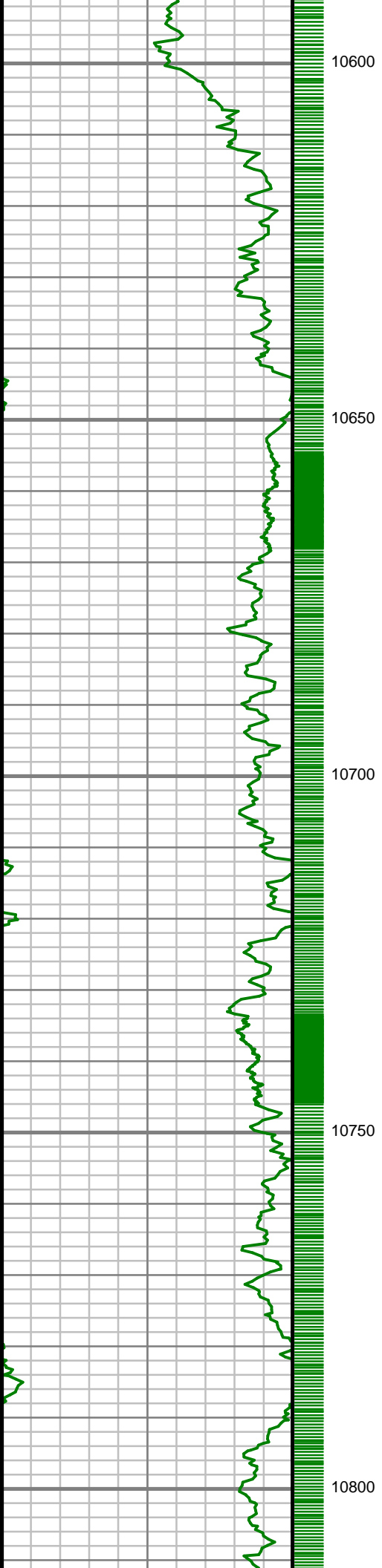
S: 108 MD: 10247.00 ft
Inc: 91.31 deg Az:
183.58 deg TVD:
7305.95 ft

S: 109 MD: 10342.00 ft
Inc: 92.35 deg Az:
180.52 deg TVD:
7302.92 ft



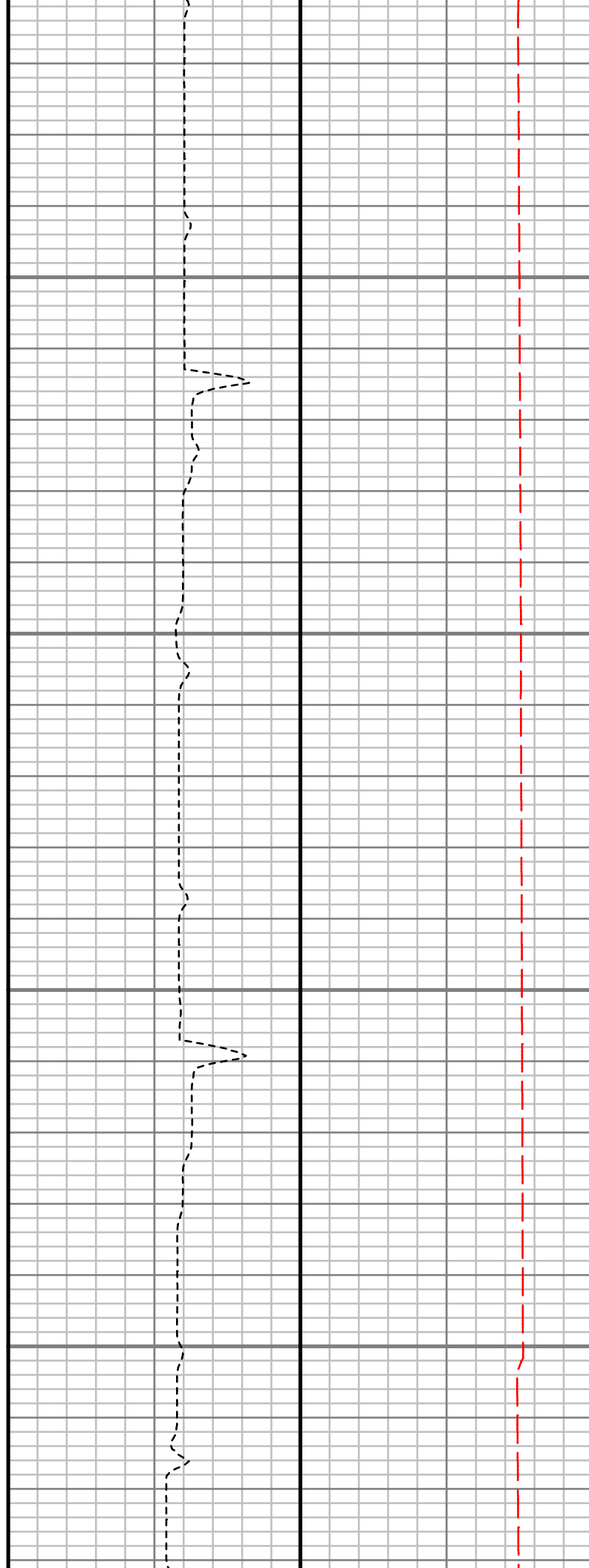
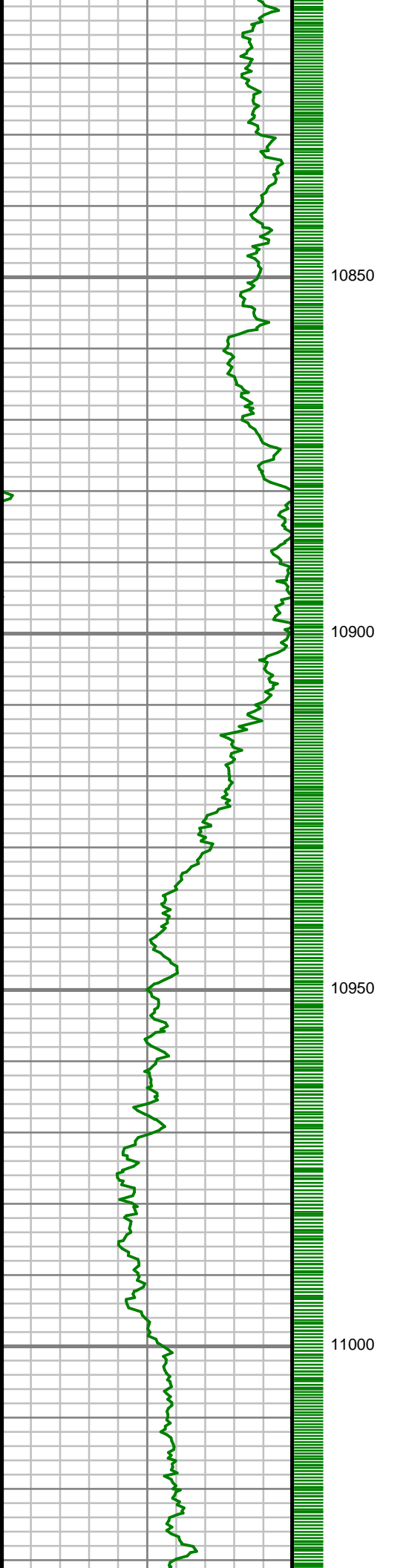
S: 110 MD: 10435.00 ft
Inc: 91.38 deg Az:
179.90 deg TVD:
7299.89 ft

S: 111 MD: 10529.00 ft
Inc: 90.50 deg Az:
179.90 deg TVD:
7298.35 ft



S: 112 MD: 10623.00 ft
Inc: 89.02 deg Az:
180.08 deg TVD:
7298.73 ft

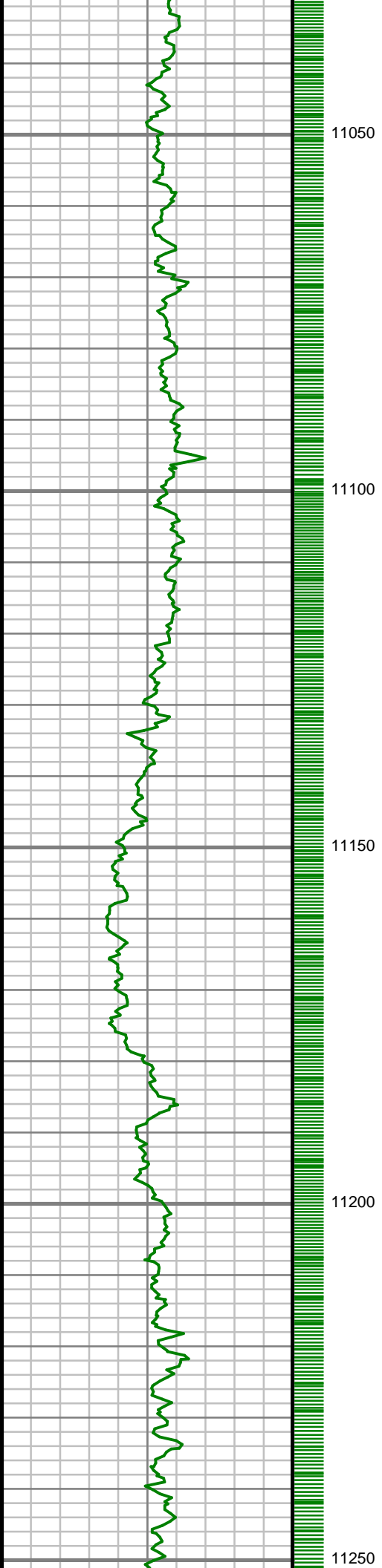
S: 113 MD: 10716.00 ft
Inc: 89.36 deg Az:
180.27 deg TVD:
7300.04 ft



S: 114 MD: 10811.00 ft
Inc: 88.08 deg Az:
179.57 deg TVD:
7302.16 ft

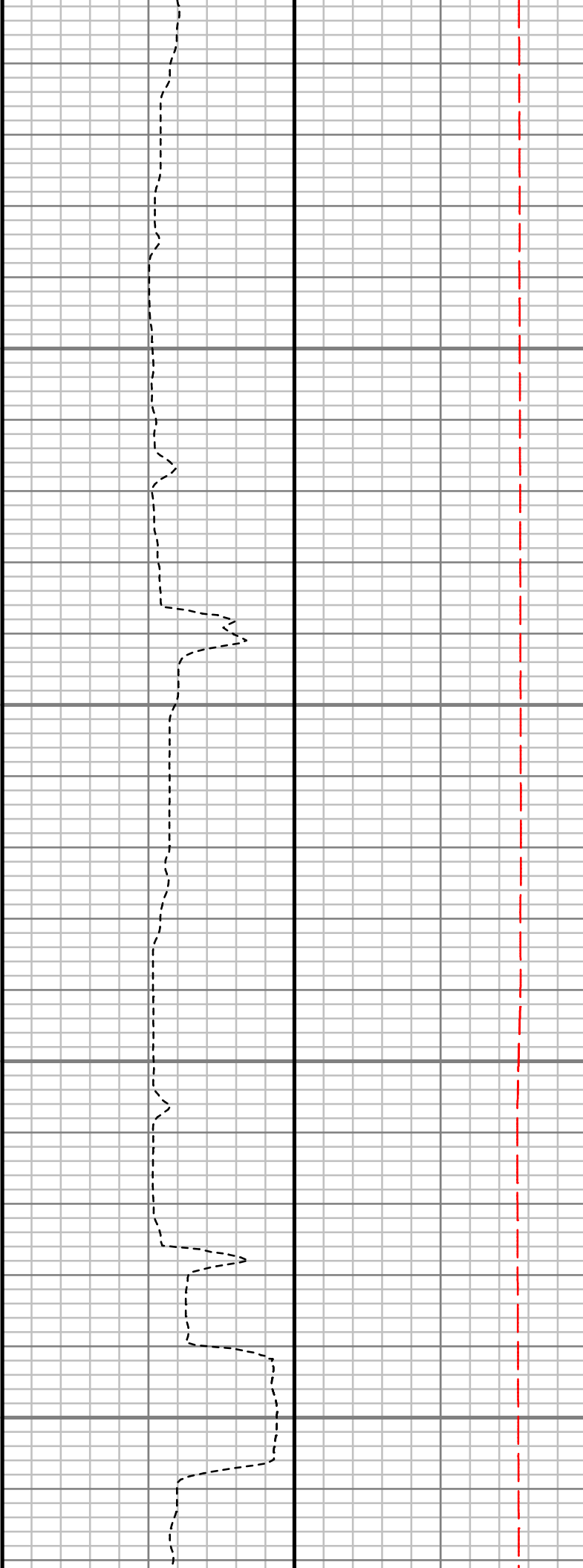
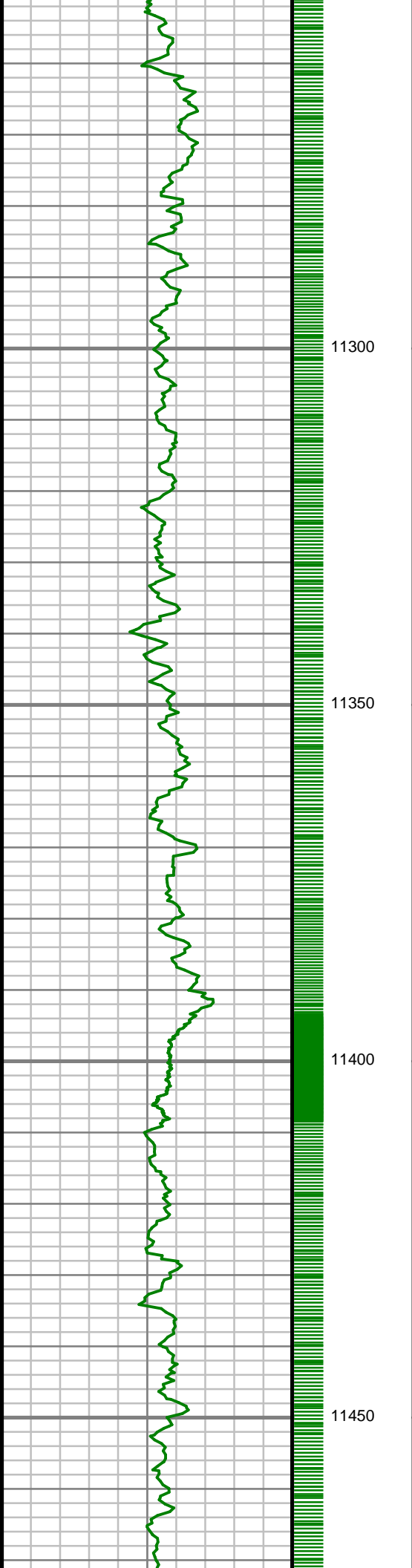
S: 115 MD: 10904.00 ft
Inc: 88.35 deg Az:
179.27 deg TVD:
7305.05 ft

S: 116 MD: 10999.00 ft
Inc: 88.93 deg Az:
179.52 deg TVD:
7307.30 ft



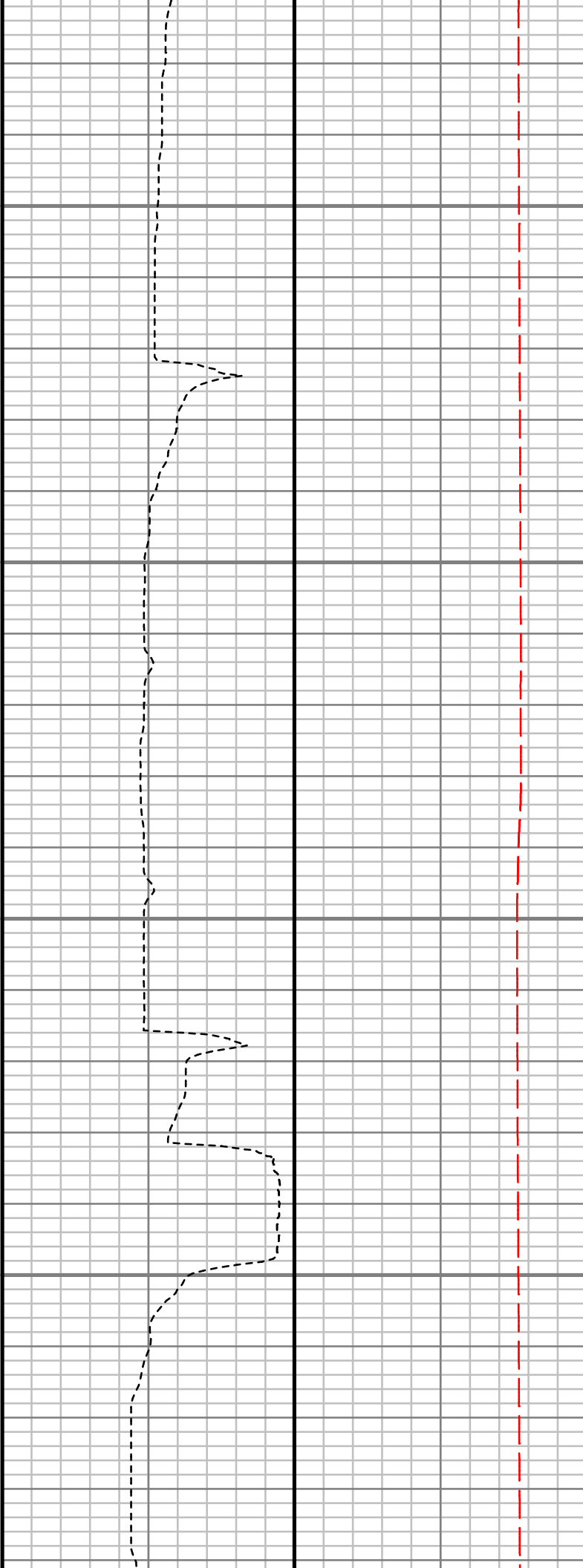
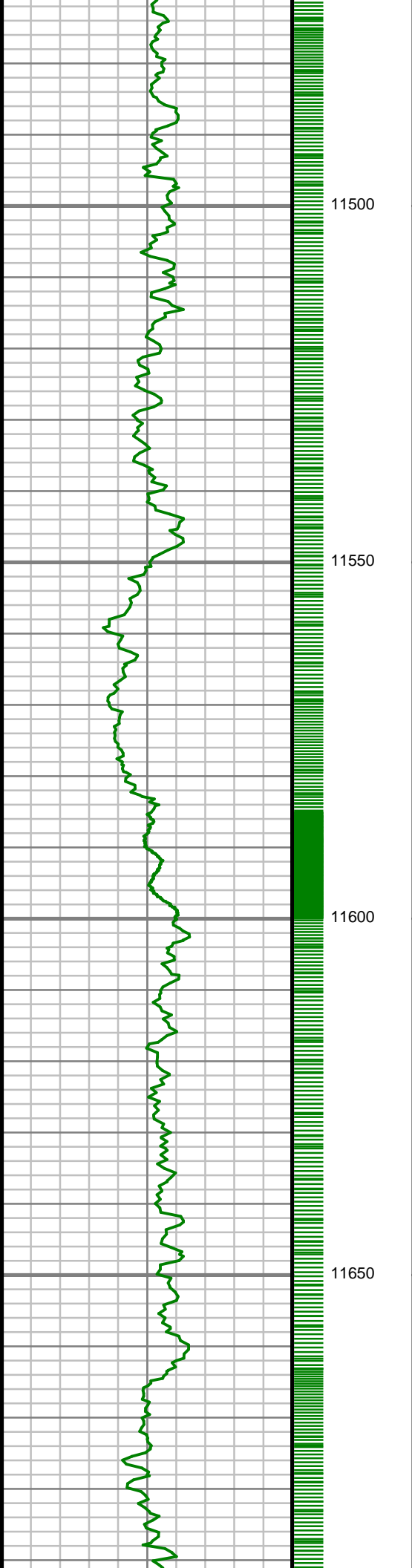
S: 117 MD: 11093.00 ft
Inc: 88.92 deg Az:
178.53 deg TVD:
7309.07 ft

S: 118 MD: 11187.00 ft
Inc: 89.56 deg Az:
178.48 deg TVD:
7310.31 ft



S: 119 MD: 11282.00 ft
Inc: 89.87 deg Az:
178.22 deg TVD:
7310.78 ft

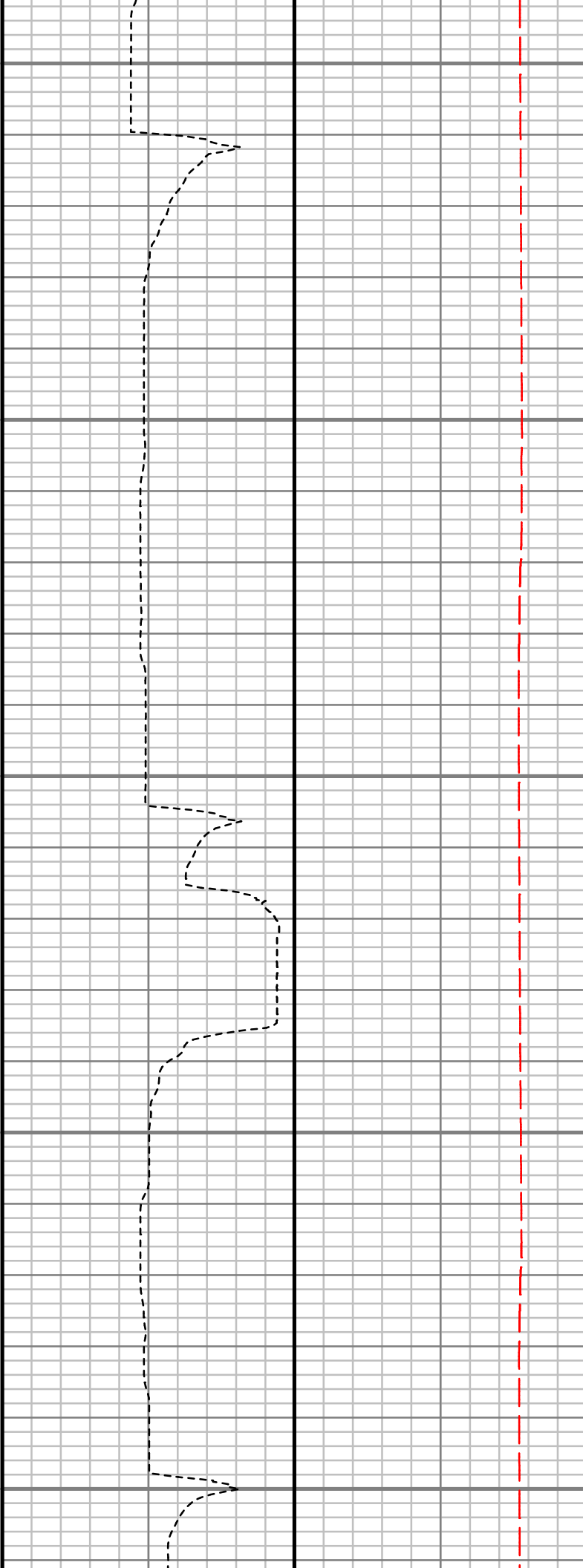
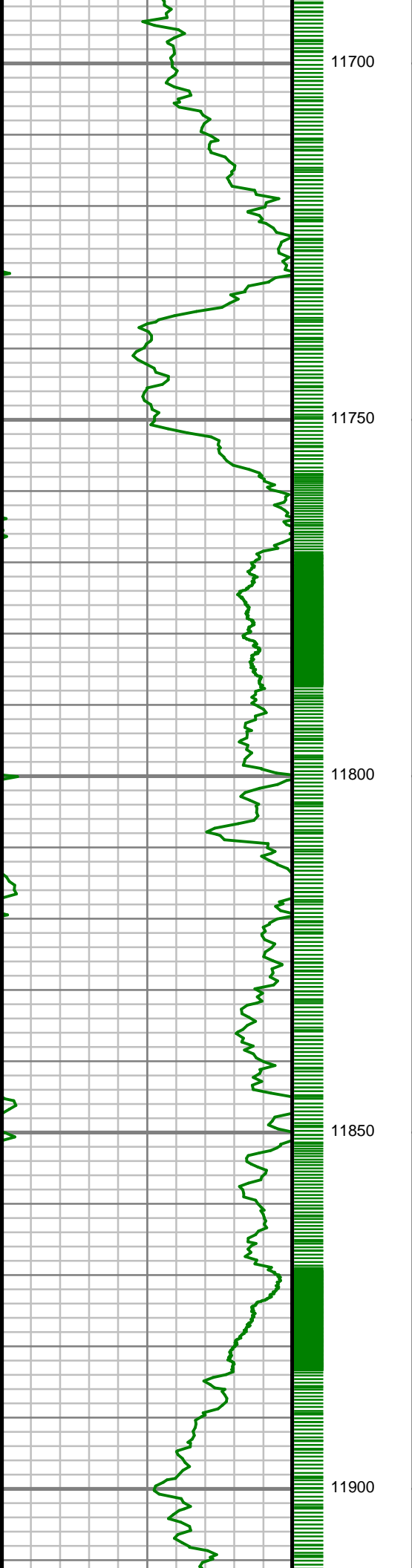
S: 120 MD: 11376.00 ft
Inc: 91.61 deg Az:
178.24 deg TVD:
7309.57 ft



S: 121 MD: 11471.00 ft
Inc: 90.17 deg Az:
178.16 deg TVD:
7308.09 ft

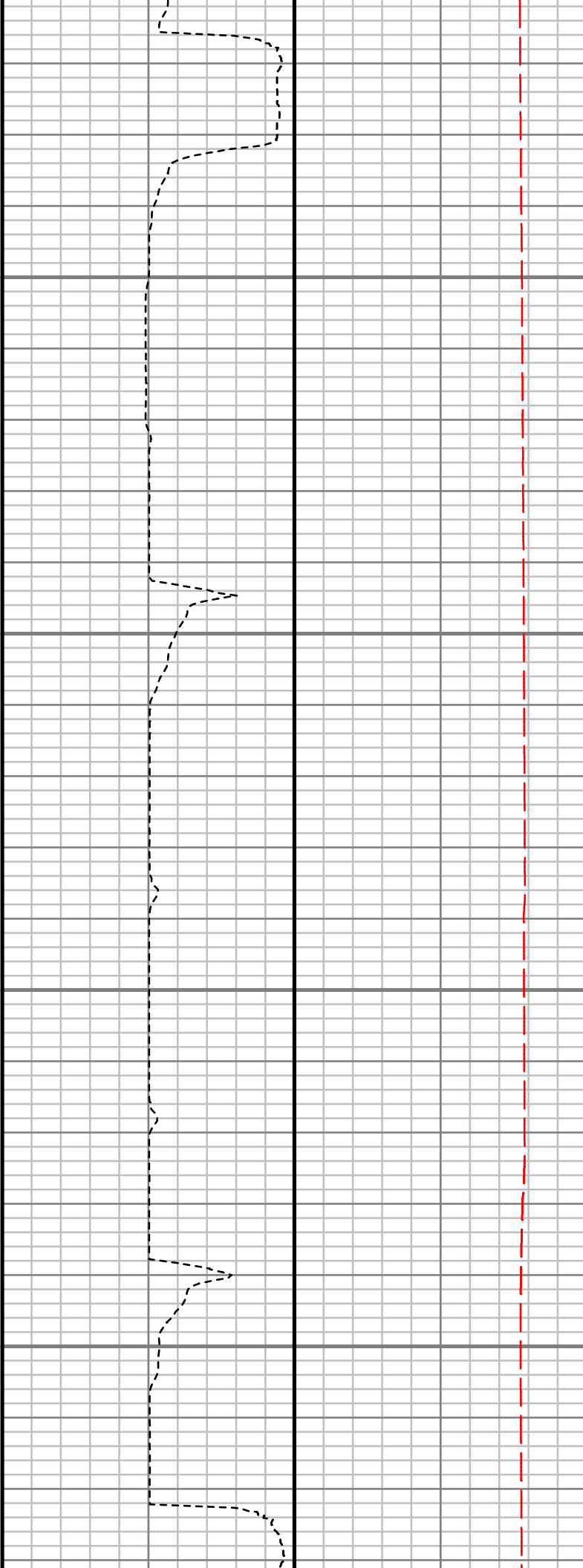
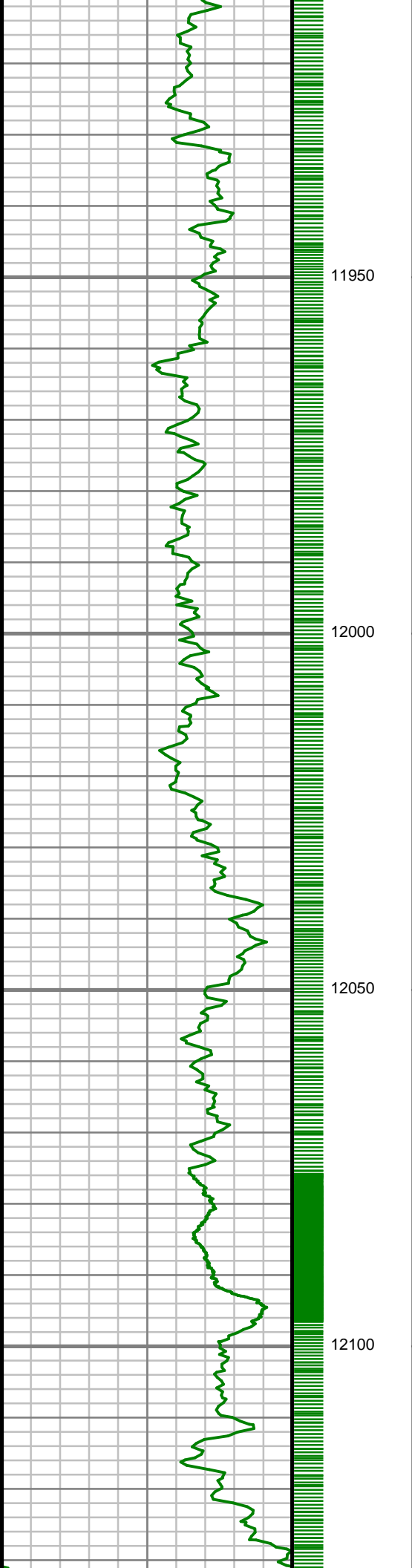
S: 122 MD: 11566.00 ft
Inc: 90.77 deg Az:
178.03 deg TVD:
7307.31 ft

S: 123 MD: 11660.00 ft
Inc: 89.97 deg Az:
179.10 deg TVD:
7306.71 ft



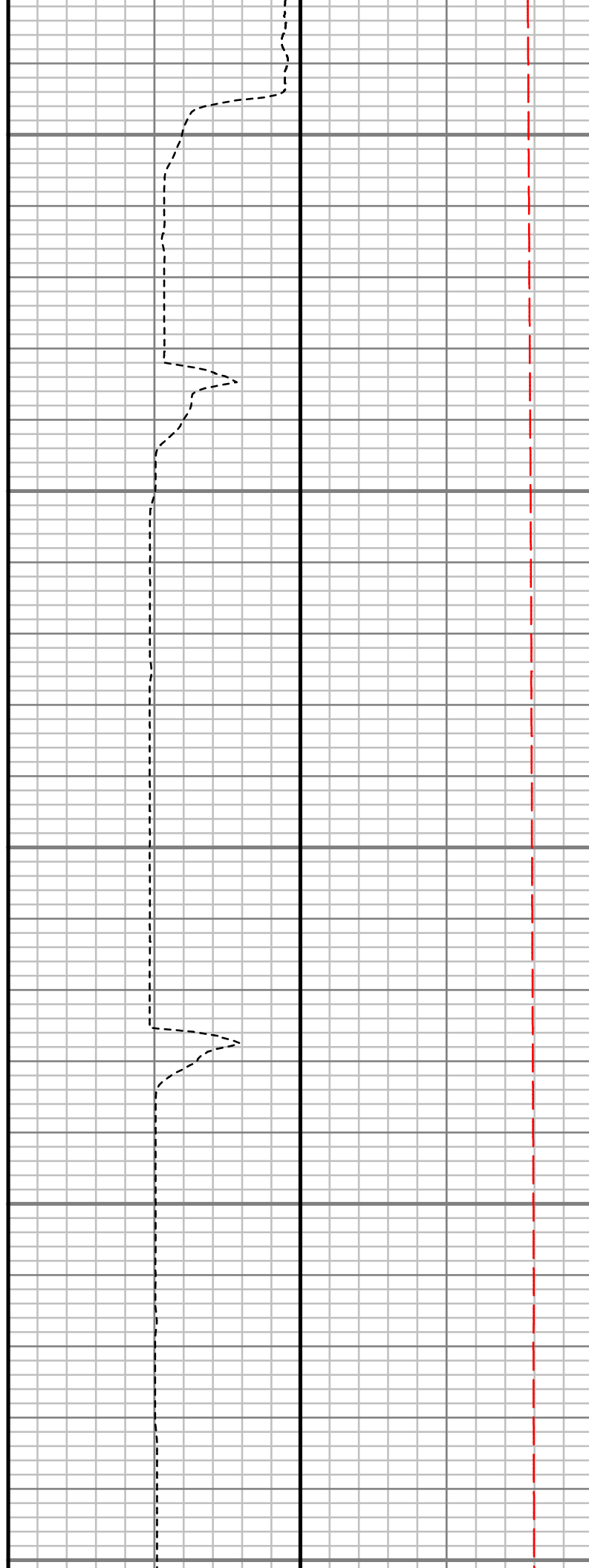
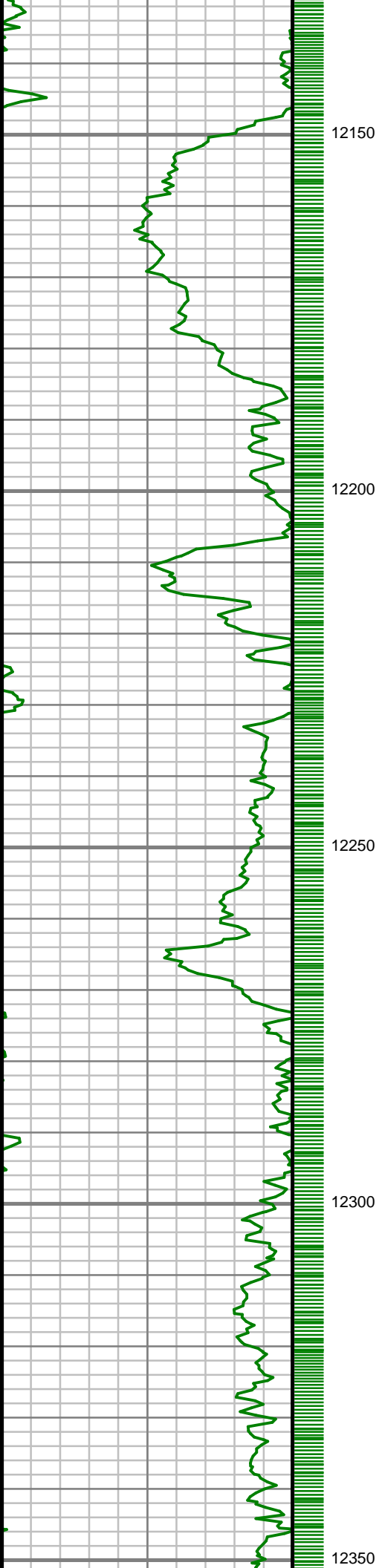
S: 124 MD: 11754.00 ft
Inc: 91.17 deg Az:
178.60 deg TVD:
7305.77 ft

S: 125 MD: 11847.00 ft
Inc: 90.57 deg Az:
180.32 deg TVD:
7304.35 ft



S: 126 MD: 11942.00 ft
Inc: 89.43 deg Az:
181.04 deg TVD:
7304.35 ft

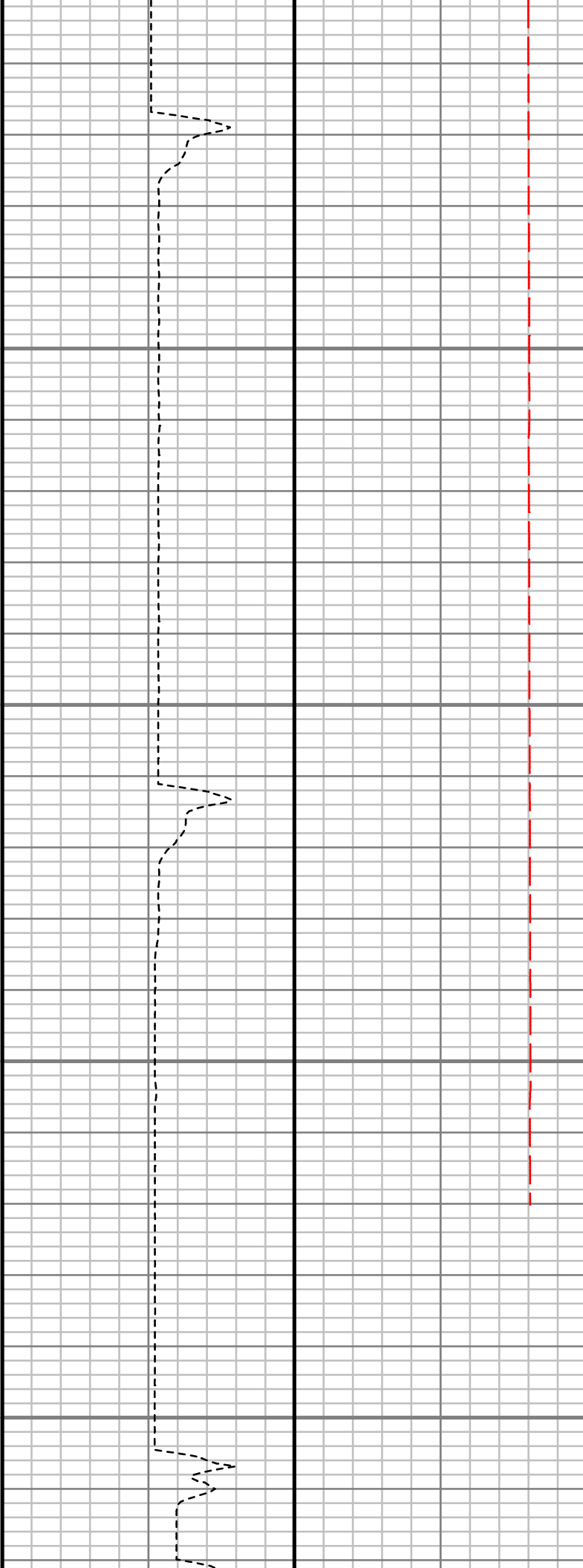
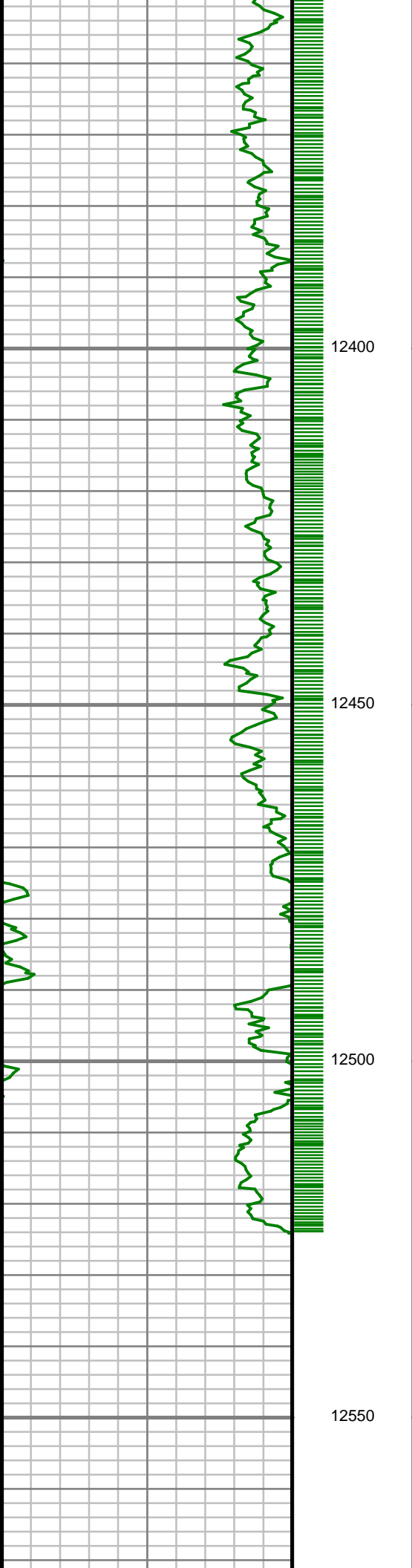
S: 127 MD: 12037.00 ft
Inc: 90.50 deg Az:
181.52 deg TVD:
7304.41 ft



S: 128 MD: 12131.00 ft
Inc: 89.76 deg Az:
181.17 deg TVD:
7304.19 ft

S: 129 MD: 12224.00 ft
Inc: 88.66 deg Az:
180.69 deg TVD:
7305.47 ft

S: 130 MD: 12318.00 ft
Inc: 88.83 deg Az:
180.22 deg TVD:
7307.53 ft



S: 131 MD: 12412.00 ft
Inc: 89.90 deg Az:
179.99 deg TVD:
7308.58 ft

S: 132 MD: 12505.00 ft
Inc: 91.14 deg Az:
179.86 deg TVD:
7307.73 ft

Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1:240 (ft)

<div> <div>Rate of Penetration (ROP)</div> <div> <div>800</div> <div>Unit = ft/hr</div> <div>0</div> </div> </div>			<div> <div>Tool Temperature (TEMP)</div> <div> <div>0</div> <div>Unit = °F</div> <div>300</div> </div> </div>			<div>Comments</div>

SURVEY REPORT

FL GREENS 14N-8HZ FL GREENS 14N-8HZ

CUSTOMER ANADARKO PETROLEUM CORPORATION
PROJECT FL GREENS
FIELD WATTENBERG

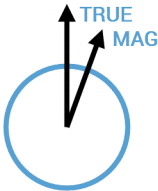
WELL INFORMATION
Lat/Long 40.070124° N, 104.805743° W
Northing 14,552,327.92 ft
Easting 1,694,762.85 ft
UWI 05123422720000

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 180.00°
Calculation Method Minimum Curvature



GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: 999.041 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-8646 ft	ANADARKO MAGVAR	23 Jun 2017	8.19°	add 8.19°
8646-12505 ft	ANADARKO MAGVAR	23 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
215.00	0.46	59.90	215.00	-0.43	0.43	0.75	0.21
307.00	1.57	68.20	306.98	-1.09	1.09	2.24	1.21
400.00	2.41	59.07	399.93	-2.56	2.56	5.10	0.96
493.00	3.70	46.72	492.79	-5.63	5.63	8.96	1.55
587.00	4.46	52.33	586.55	-9.94	9.94	14.06	0.91
679.00	5.37	45.89	678.21	-15.12	15.12	19.98	1.16
772.00	6.75	46.83	770.69	-21.89	21.89	27.09	1.49
867.00	7.67	49.29	864.94	-29.85	29.85	35.97	1.02
961.00	8.36	48.81	958.02	-38.44	38.44	45.87	0.74
1056.00	9.22	42.19	1051.91	-48.62	48.62	56.18	1.40
1150.00	10.01	44.86	1144.59	-60.00	60.00	67.00	0.96
1245.00	11.18	45.99	1237.97	-72.25	72.25	79.45	1.25
1339.00	11.81	47.70	1330.08	-85.05	85.05	93.12	0.76
1433.00	12.42	46.43	1421.99	-98.49	98.49	107.55	0.71
1527.00	14.06	45.80	1513.49	-113.42	113.42	123.07	1.75
1622.00	14.61	47.65	1605.53	-129.54	129.54	140.19	0.75
1716.00	15.09	46.46	1696.39	-145.95	145.95	157.82	0.60
1809.00	14.87	46.53	1786.23	-162.50	162.50	175.26	0.24
1839.00	14.88	46.36	1815.22	-167.81	167.81	180.84	0.15

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1942.00	17.32	46.09	1914.18	-187.57	187.57	201.46	2.37
2037.00	18.55	47.95	2004.56	-207.50	207.50	222.87	1.43
2131.00	20.66	46.40	2093.10	-228.95	228.95	245.98	2.31
2224.00	21.57	46.89	2179.86	-251.95	251.95	270.35	1.00
2318.00	20.86	45.23	2267.49	-275.55	275.55	294.84	0.99
2411.00	22.36	46.49	2353.95	-299.39	299.39	319.43	1.69
2506.00	21.74	46.22	2442.00	-324.00	324.00	345.24	0.67
2600.00	20.51	46.31	2529.68	-347.42	347.42	369.72	1.30
2692.00	21.57	44.90	2615.55	-370.53	370.53	393.31	1.27
2785.00	19.98	44.12	2702.50	-394.05	394.05	416.44	1.74
2880.00	20.06	46.47	2791.76	-416.92	416.92	439.55	0.85
2974.00	20.59	44.48	2879.91	-439.82	439.82	462.83	0.92
3069.00	21.04	45.60	2968.71	-463.67	463.67	486.71	0.63
3162.00	19.32	45.75	3055.99	-486.08	486.08	509.66	1.84
3257.00	19.77	46.36	3145.52	-508.14	508.14	532.55	0.52
3352.00	19.87	46.63	3234.89	-530.31	530.31	555.91	0.14
3445.00	20.41	45.17	3322.21	-552.60	552.60	578.89	0.80
3539.00	19.95	45.31	3410.44	-575.43	575.43	601.92	0.49
3633.00	19.00	43.55	3499.06	-597.80	597.80	623.86	1.19
3727.00	18.74	44.63	3588.01	-619.63	619.63	645.01	0.46

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3820.00	19.32	43.68	3675.93	-641.39	641.39	666.13	0.71
3915.00	19.37	45.11	3765.57	-663.87	663.87	688.14	0.50
4009.00	19.93	44.60	3854.09	-686.28	686.28	710.43	0.63
4103.00	20.01	43.66	3942.44	-709.32	709.32	732.78	0.35
4197.00	20.16	44.30	4030.72	-732.55	732.55	755.20	0.29
4291.00	18.53	42.82	4119.41	-755.10	755.10	776.67	1.81
4384.00	18.99	44.57	4207.47	-776.72	776.72	797.34	0.78
4479.00	20.52	44.19	4296.88	-799.67	799.67	819.79	1.62
4572.00	18.72	42.74	4384.48	-822.32	822.32	841.29	2.01
4666.00	16.93	40.89	4473.96	-843.75	843.75	860.48	2.00
4760.00	17.50	39.84	4563.75	-864.94	864.94	878.49	0.69
4854.00	18.61	38.86	4653.12	-887.47	887.47	896.95	1.23
4948.00	17.05	37.44	4742.61	-910.09	910.09	914.74	1.73
5042.00	16.51	36.87	4832.60	-931.72	931.72	931.13	0.60
5137.00	15.01	36.09	4924.03	-952.46	952.46	946.48	1.59
5256.00	12.87	33.69	5039.52	-975.94	975.94	962.91	1.86
5351.00	11.15	31.60	5132.44	-992.57	992.57	973.59	1.87
5446.00	9.92	31.00	5225.83	-1007.41	1007.41	982.62	1.30
5541.00	8.79	26.16	5319.57	-1020.94	1020.94	990.03	1.44
5635.00	7.42	31.82	5412.63	-1032.55	1032.55	996.40	1.69

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5728.00	6.76	23.83	5504.92	-1042.66	1042.66	1001.78	1.27
5823.00	4.71	37.13	5599.44	-1050.89	1050.89	1006.39	2.56
5918.00	4.64	27.00	5694.13	-1057.42	1057.42	1010.49	0.87
6013.00	2.93	14.42	5788.92	-1063.20	1063.20	1012.84	2.00
6108.00	1.57	354.18	5883.85	-1066.84	1066.84	1013.31	1.63
6202.00	0.21	114.49	5977.84	-1068.05	1068.05	1013.34	1.80
6296.00	0.39	162.80	6071.83	-1067.67	1067.67	1013.60	0.32
6389.00	0.96	193.94	6164.83	-1066.62	1066.62	1013.50	0.70
6482.00	0.86	207.09	6257.82	-1065.24	1065.24	1013.00	0.25
6577.00	1.25	204.18	6352.80	-1063.67	1063.67	1012.25	0.42
6672.00	1.30	207.92	6447.78	-1061.77	1061.77	1011.32	0.10
6766.00	1.22	243.92	6541.76	-1060.39	1060.39	1009.92	0.83
6860.00	1.32	246.91	6635.73	-1059.52	1059.52	1008.02	0.13
6953.00	1.59	225.78	6728.70	-1058.20	1058.20	1006.11	0.64
7048.00	7.90	176.08	6823.35	-1050.75	1050.75	1005.61	7.35
7142.00	16.60	177.85	6915.12	-1030.85	1030.85	1006.56	9.26
7237.00	24.41	172.70	7004.04	-997.77	997.77	1009.56	8.42
7332.00	34.39	173.76	7086.71	-951.51	951.51	1014.99	10.52
7426.00	45.10	173.80	7158.88	-891.85	891.85	1021.49	11.40
7520.00	51.87	175.08	7221.14	-821.84	821.84	1028.27	7.27

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7614.00	61.75	177.88	7272.54	-743.42	743.42	1032.98	10.80
7709.00	71.22	180.44	7310.41	-656.43	656.43	1034.19	10.27
7801.00	80.16	179.95	7333.13	-567.37	567.37	1033.89	9.73
7896.00	89.73	177.72	7341.49	-472.88	472.88	1035.83	10.34
7990.00	91.95	178.42	7340.11	-378.95	378.95	1039.00	2.48
8085.00	91.75	179.54	7337.05	-284.01	284.01	1040.69	1.19
8179.00	91.75	178.79	7334.18	-190.07	190.07	1042.06	0.79
8272.00	91.45	178.63	7331.59	-97.13	97.13	1044.16	0.37
8365.00	91.31	178.04	7329.35	-4.20	4.20	1046.86	0.66
8458.00	91.95	178.92	7326.71	88.73	-88.73	1049.33	1.17
8553.00	91.61	180.83	7323.76	183.68	-183.68	1049.53	2.04
8646.00	91.65	181.01	7321.12	276.63	-276.63	1048.04	0.19
8739.00	91.38	180.61	7318.67	369.59	-369.59	1046.73	0.52
8833.00	91.68	180.75	7316.16	463.55	-463.55	1045.62	0.35
8928.00	91.07	180.34	7313.88	558.52	-558.52	1044.72	0.77
9023.00	90.24	179.87	7312.80	653.51	-653.51	1044.54	1.01
9116.00	89.83	179.96	7312.74	746.51	-746.51	1044.67	0.44
9211.00	90.20	179.87	7312.71	841.51	-841.51	1044.82	0.40
9304.00	90.17	178.92	7312.41	934.50	-934.50	1045.80	1.01
9399.00	90.44	177.94	7311.91	1029.47	-1029.47	1048.40	1.07

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9493.00	90.44	177.87	7311.20	1123.40	-1123.40	1051.83	0.08
9587.00	89.19	178.30	7311.50	1217.34	-1217.34	1054.98	1.40
9680.00	89.53	179.17	7312.54	1310.31	-1310.31	1057.03	1.00
9774.00	90.23	178.72	7312.73	1404.30	-1404.30	1058.77	0.89
9867.00	90.90	181.15	7311.80	1497.29	-1497.29	1058.87	2.71
9962.00	90.17	180.77	7310.91	1592.27	-1592.27	1057.28	0.87
10057.00	90.74	181.53	7310.16	1687.24	-1687.24	1055.37	1.00
10151.00	91.51	182.14	7308.32	1781.18	-1781.18	1052.37	1.05
10247.00	91.31	183.58	7305.95	1877.03	-1877.03	1047.59	1.51
10342.00	92.35	180.52	7302.92	1971.90	-1971.90	1044.19	3.40
10435.00	91.38	179.90	7299.89	2064.85	-2064.85	1043.85	1.24
10529.00	90.50	179.90	7298.35	2158.84	-2158.84	1044.01	0.93
10623.00	89.02	180.08	7298.73	2252.84	-2252.84	1044.03	1.58
10716.00	89.36	180.27	7300.04	2345.83	-2345.83	1043.75	0.42
10811.00	88.08	179.57	7302.16	2440.80	-2440.80	1043.88	1.53
10904.00	88.35	179.27	7305.05	2533.75	-2533.75	1044.83	0.43
10999.00	88.93	179.52	7307.30	2628.72	-2628.72	1045.84	0.66
11093.00	88.92	178.53	7309.07	2722.69	-2722.69	1047.44	1.05
11187.00	89.56	178.48	7310.31	2816.64	-2816.64	1049.90	0.68
11282.00	89.87	178.22	7310.78	2911.60	-2911.60	1052.63	0.42

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11376.00	91.61	178.24	7309.57	3005.55	-3005.55	1055.54	1.86
11471.00	90.17	178.16	7308.09	3100.49	-3100.49	1058.52	1.52
11566.00	90.77	178.03	7307.31	3195.43	-3195.43	1061.68	0.65
11660.00	89.97	179.10	7306.71	3289.40	-3289.40	1064.03	1.43
11754.00	91.17	178.60	7305.77	3383.37	-3383.37	1065.91	1.39
11847.00	90.57	180.32	7304.35	3476.35	-3476.35	1066.79	1.96
11942.00	89.43	181.04	7304.35	3571.34	-3571.34	1065.66	1.42
12037.00	90.50	181.52	7304.41	3666.32	-3666.32	1063.53	1.24
12131.00	89.76	181.17	7304.19	3760.29	-3760.29	1061.33	0.87
12224.00	88.66	180.69	7305.47	3853.27	-3853.27	1059.82	1.30
12318.00	88.83	180.22	7307.53	3947.24	-3947.24	1059.07	0.53
12412.00	89.90	179.99	7308.58	4041.24	-4041.24	1058.89	1.17
12505.00	91.14	179.86	7307.73	4134.23	-4134.23	1059.01	1.34

5" = 100' MD