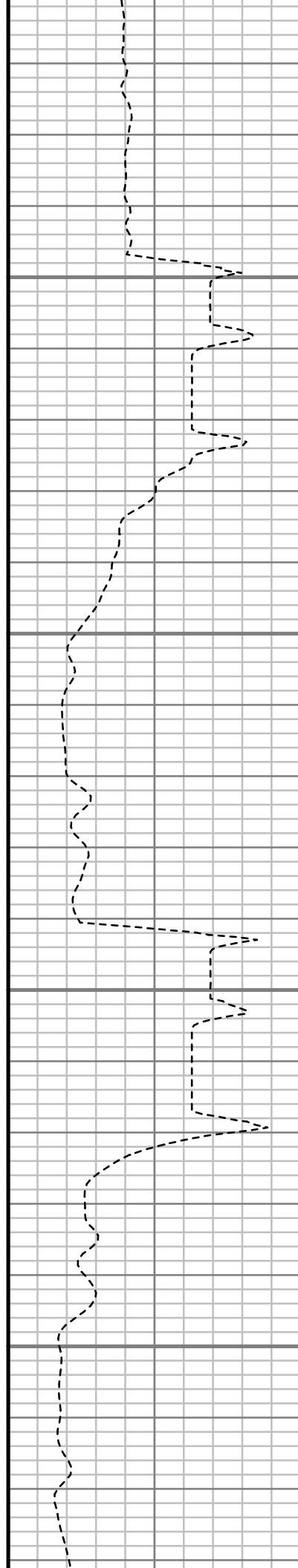


2100

2150

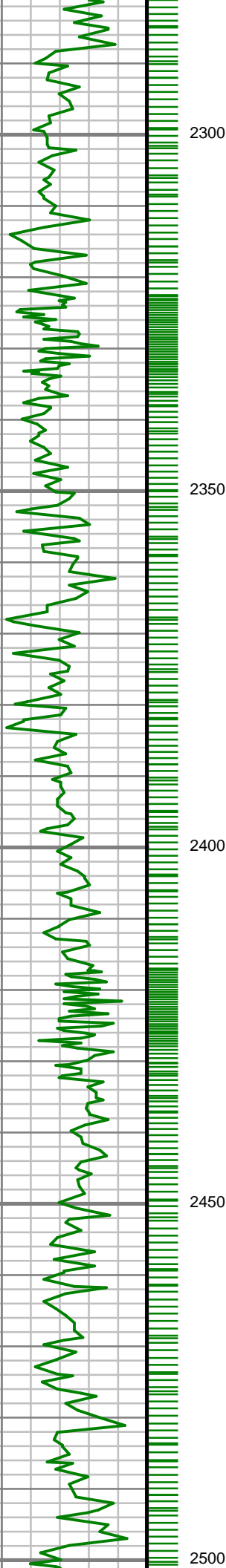
2200

2250



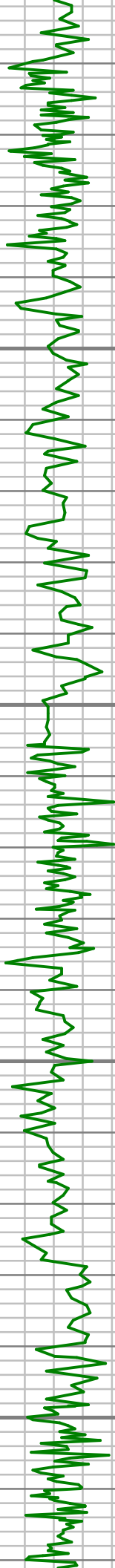
S: 22 MD: 2131.00 ft
Inc: 18.45 deg Az:
54.14 deg TVD:
2109.31 ft

S: 23 MD: 2225.00 ft
Inc: 19.76 deg Az:
55.85 deg TVD:
2198.13 ft



S: 24 MD: 2318.00 ft
Inc: 20.15 deg Az:
60.42 deg TVD:
2285.56 ft

S: 25 MD: 2412.00 ft
Inc: 19.24 deg Az:
59.54 deg TVD:
2374.06 ft

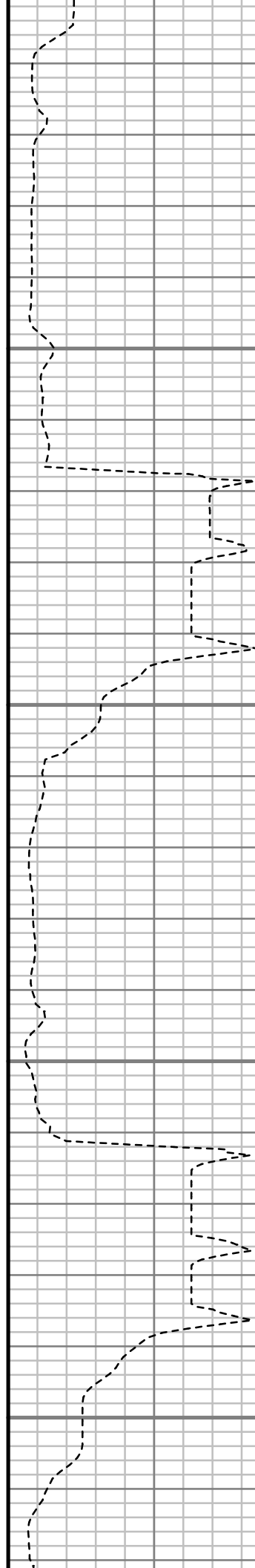


2550

2600

2650

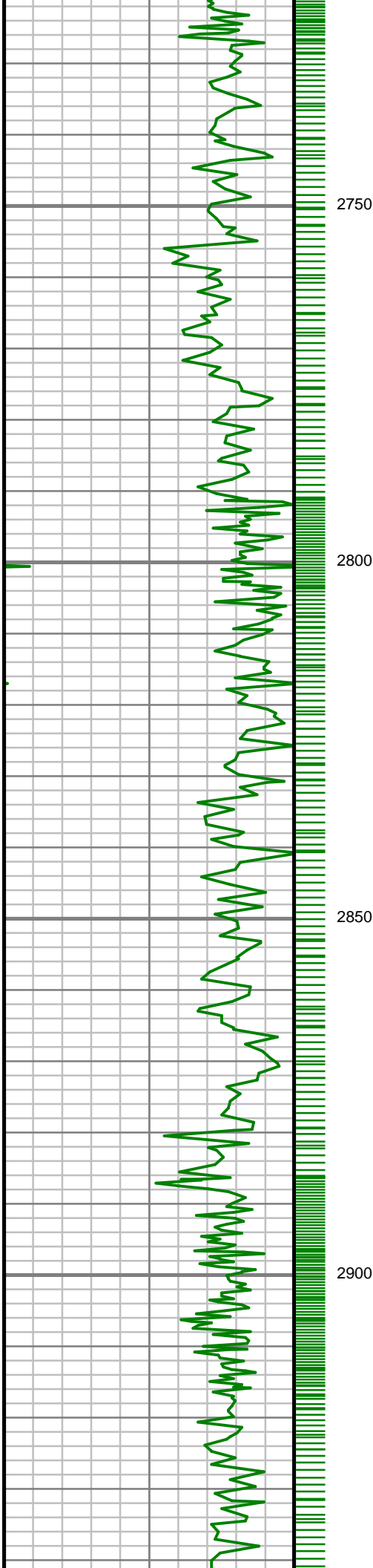
2700



S: 26 MD: 2506.00 ft
Inc: 18.23 deg Az:
59.19 deg TVD:
2463.08 ft

S: 27 MD: 2600.00 ft
Inc: 19.20 deg Az:
58.95 deg TVD:
2552.10 ft

S: 28 MD: 2693.00 ft
Inc: 18.99 deg Az:
57.67 deg TVD:
2639.99 ft

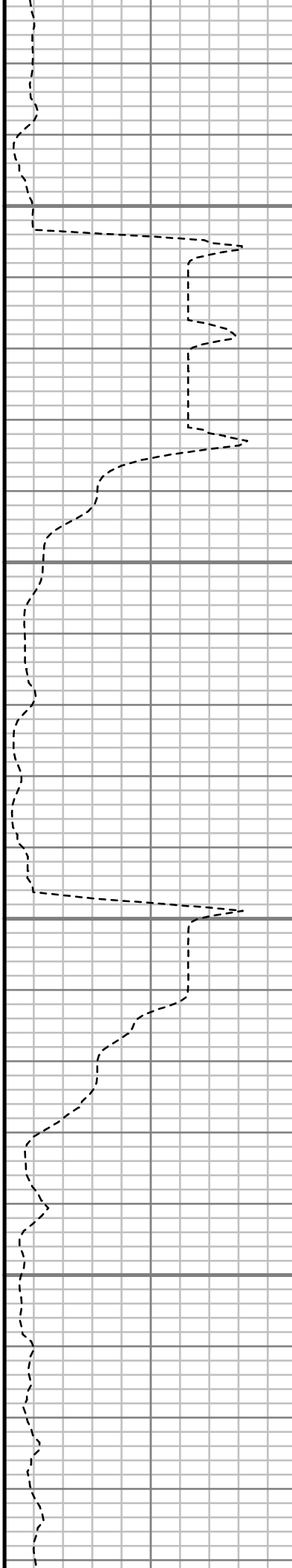


2750

2800

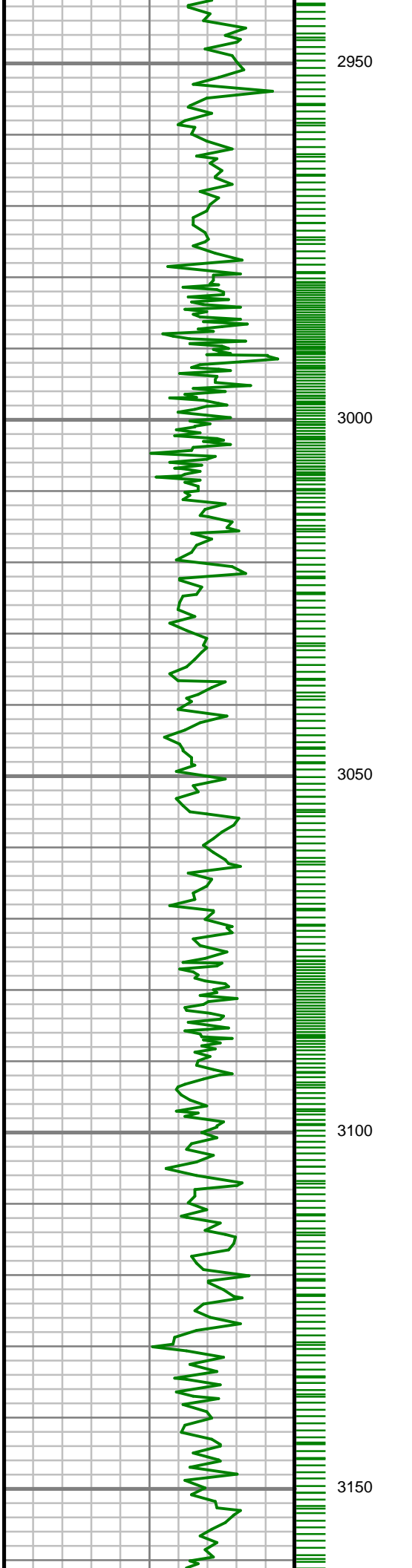
2850

2900



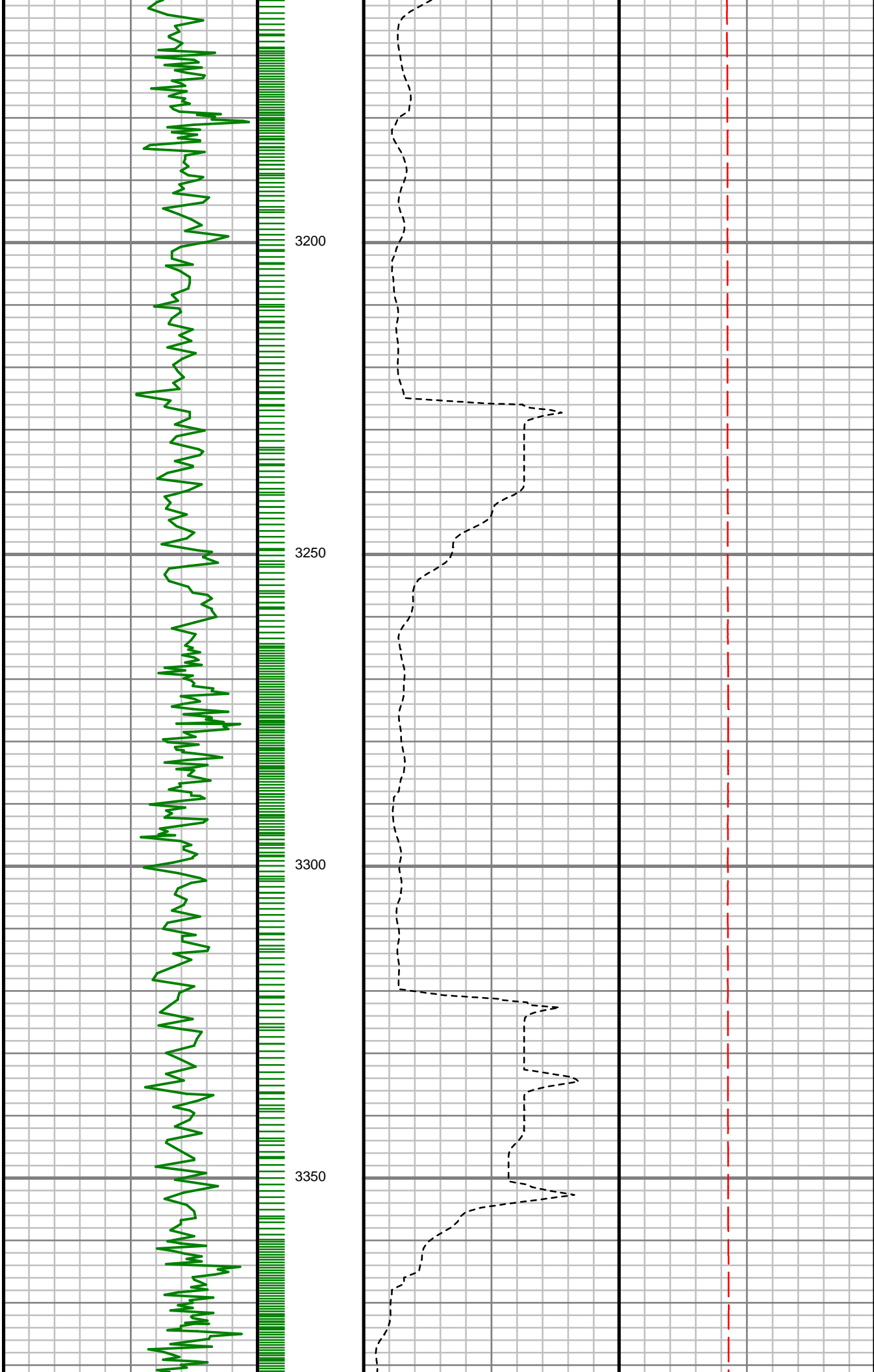
S: 29 MD: 2785.00 ft
Inc: 19.52 deg Az:
59.20 deg TVD:
2726.84 ft

S: 30 MD: 2880.00 ft
Inc: 17.89 deg Az:
58.73 deg TVD:
2816.82 ft



S: 31 MD: 2974.00 ft
Inc: 18.38 deg Az:
61.12 deg TVD:
2906.15 ft

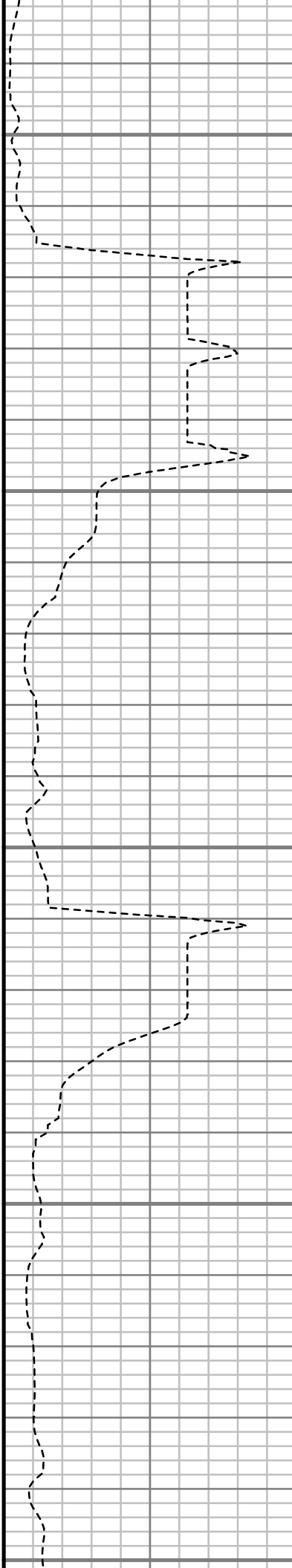
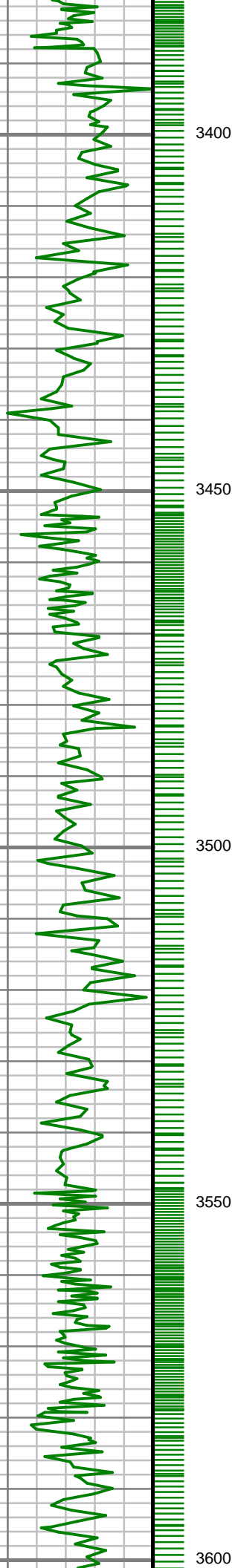
S: 32 MD: 3069.00 ft
Inc: 20.46 deg Az:
63.62 deg TVD:
2995.74 ft



S: 33 MD: 3162.00 ft
Inc: 19.39 deg Az:
63.05 deg TVD:
3083.17 ft

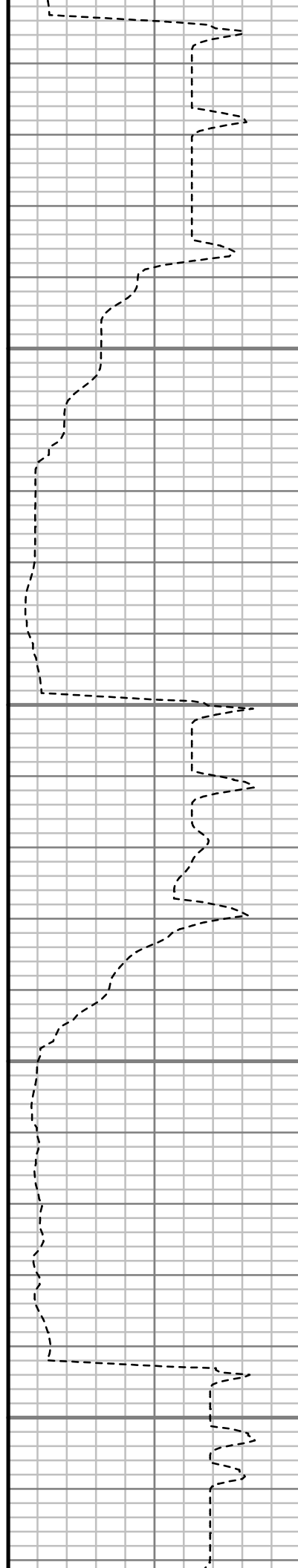
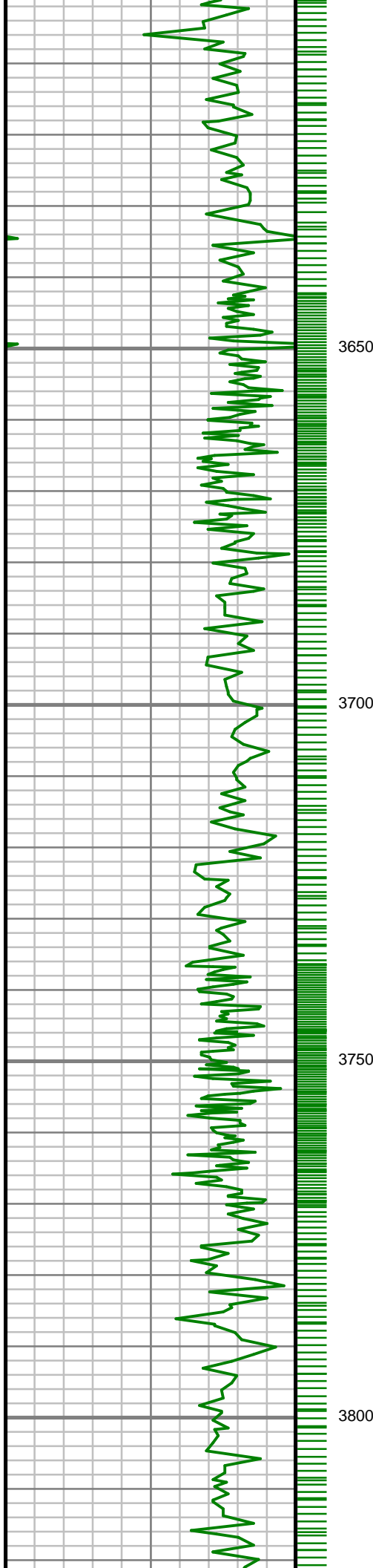
S: 34 MD: 3257.00 ft
Inc: 17.45 deg Az:
62.81 deg TVD:
3173.30 ft

S: 35 MD: 3352.00 ft
Inc: 18.12 deg Az:
60.16 deg TVD:
3263.76 ft



S: 36 MD: 3445.00 ft
Inc: 19.00 deg Az:
59.24 deg TVD:
3351.92 ft

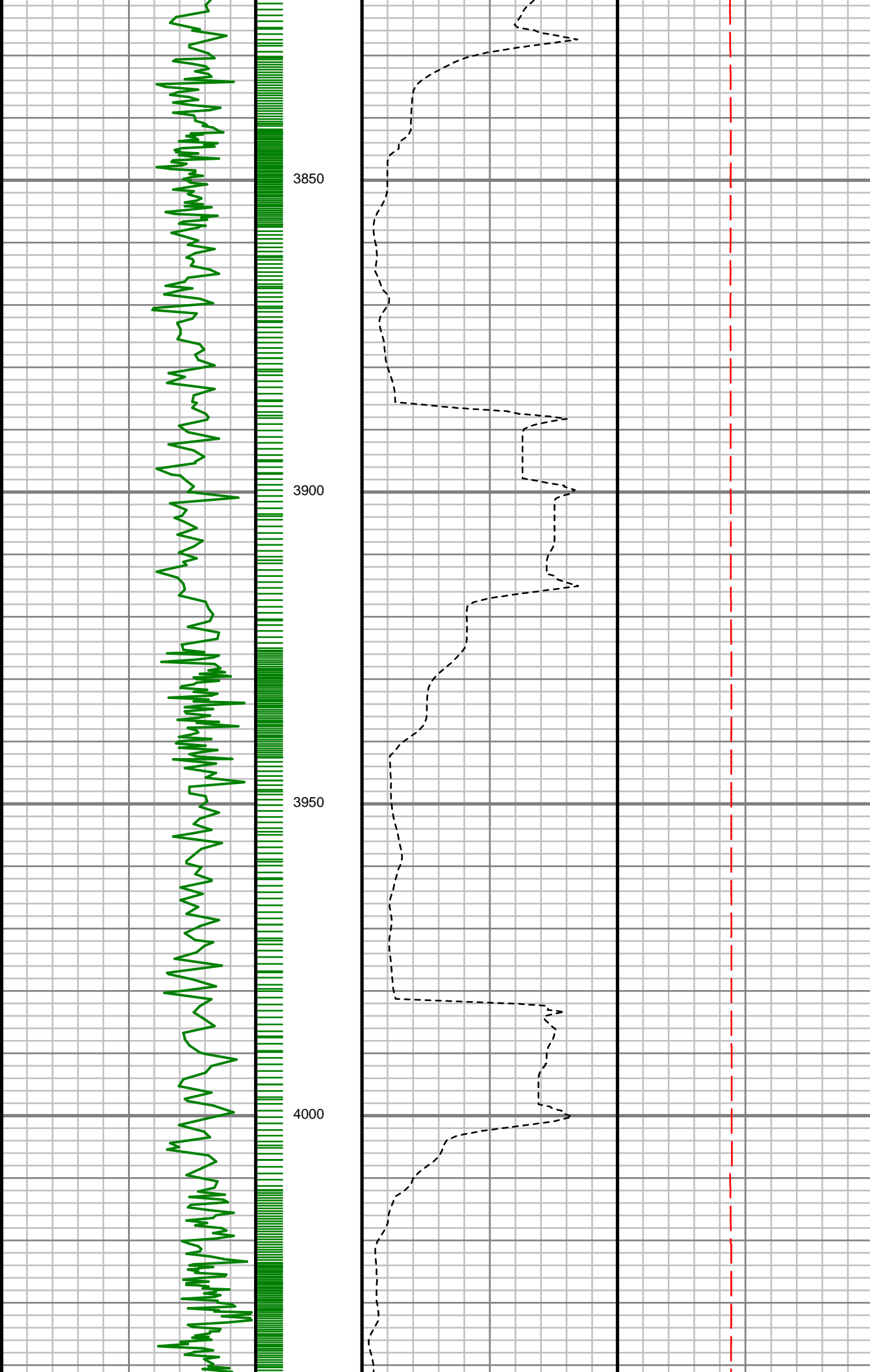
S: 37 MD: 3539.00 ft
Inc: 17.40 deg Az:
58.44 deg TVD:
3441.21 ft



S: 38 MD: 3634.00 ft
Inc: 17.35 deg Az:
61.44 deg TVD:
3531.88 ft

S: 39 MD: 3727.00 ft
Inc: 17.62 deg Az:
60.86 deg TVD:
3620.58 ft

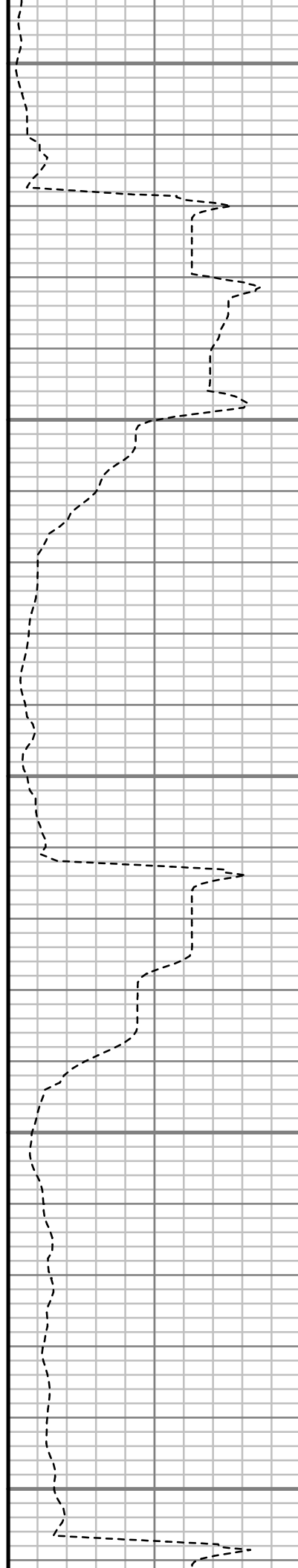
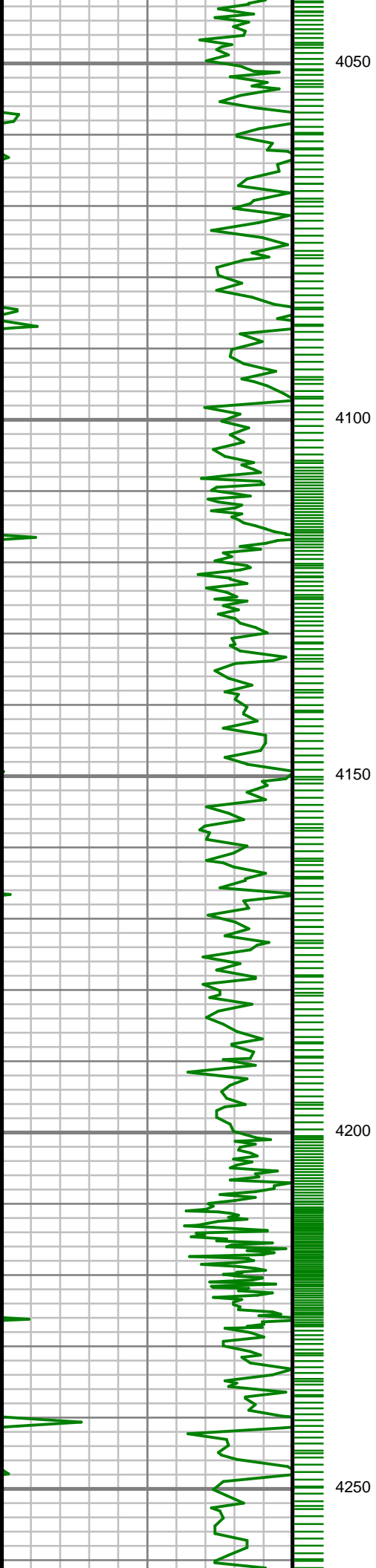
S: 40 MD: 3820.00 ft



S: 40 MD: 3820.00 ft
Inc: 18.13 deg Az:
60.22 deg TVD:
3709.09 ft

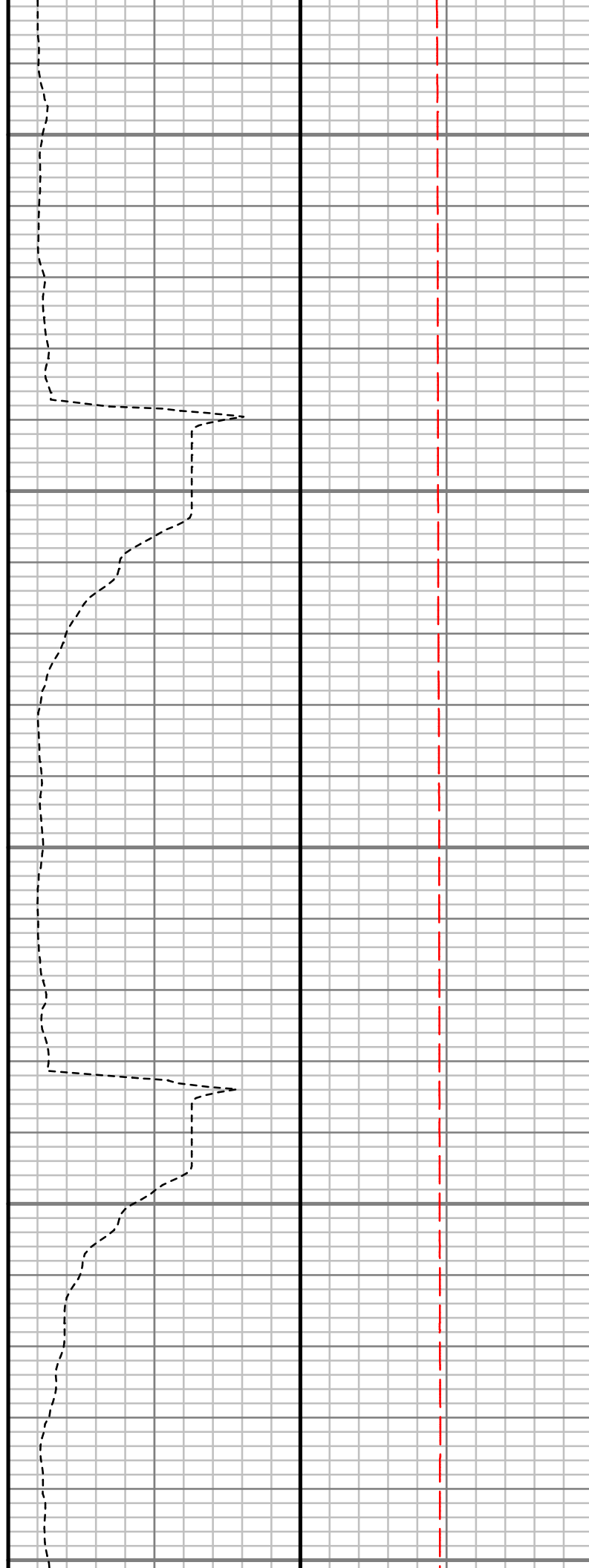
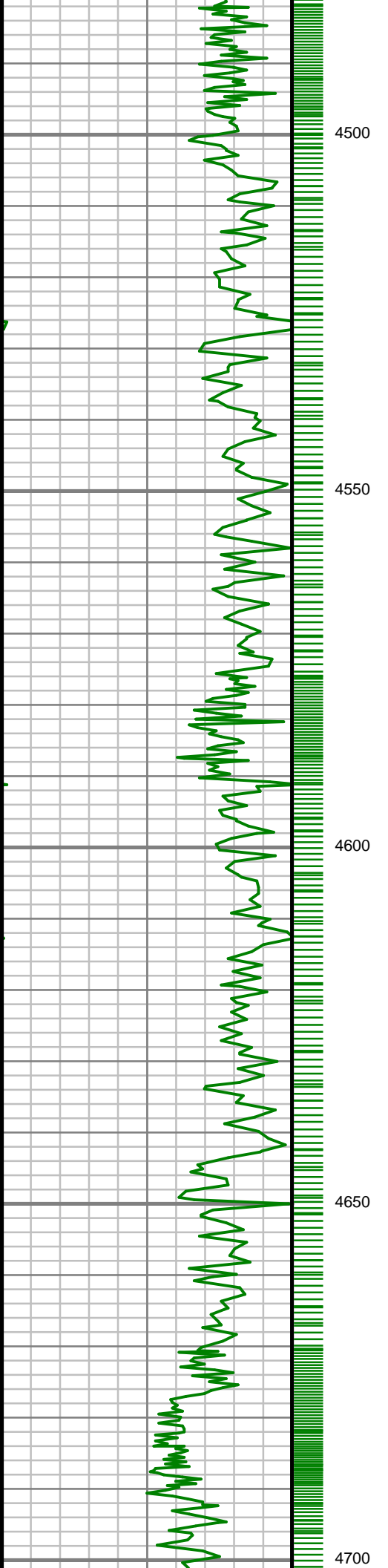
S: 41 MD: 3915.00 ft
Inc: 18.69 deg Az:
62.62 deg TVD:
3799.23 ft

S: 42 MD: 4009.00 ft
Inc: 18.81 deg Az:
61.92 deg TVD:
3888.24 ft



S: 43 MD: 4103.00 ft
Inc: 19.12 deg Az:
60.47 deg TVD:
3977.14 ft

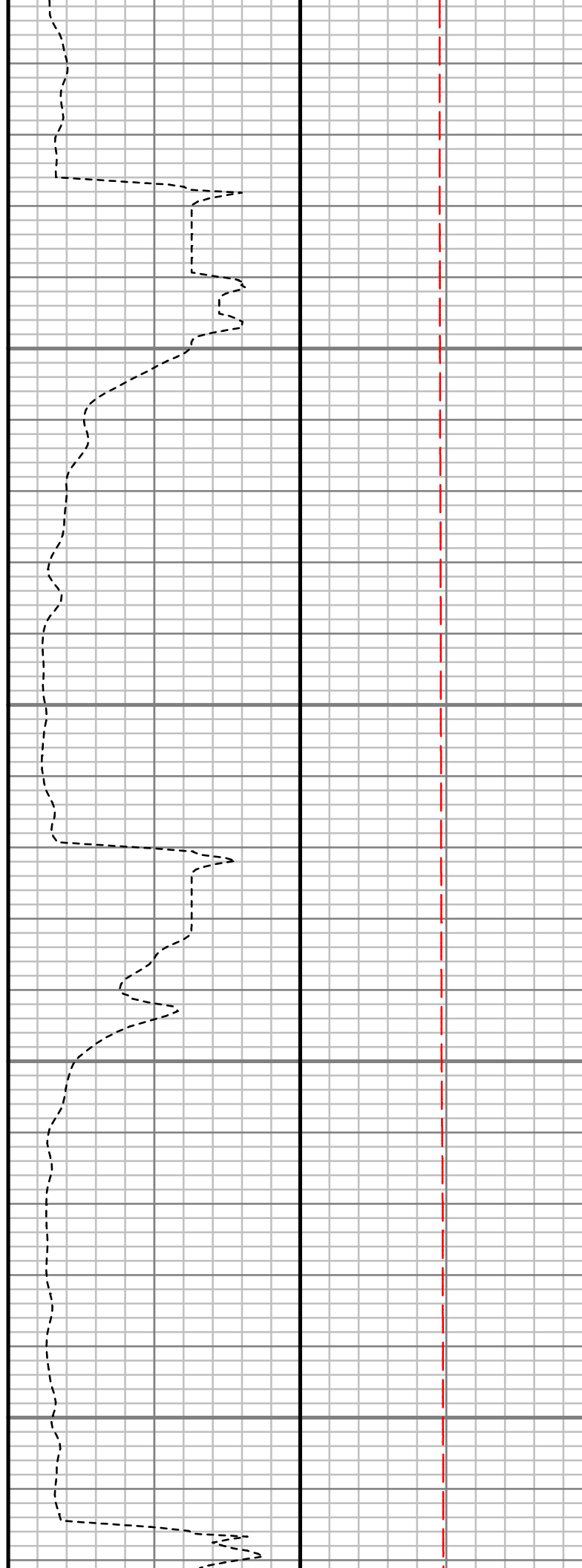
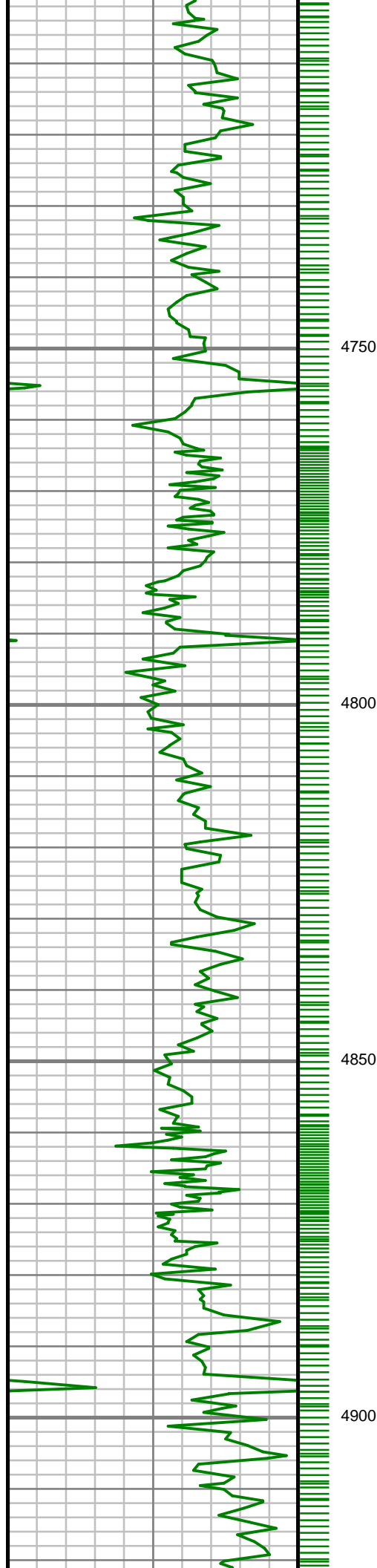
S: 44 MD: 4197.00 ft
Inc: 17.37 deg Az:
58.89 deg TVD:
4066.41 ft



Inc: 16.19 deg Az:
59.57 deg TVD:
4335.76 ft

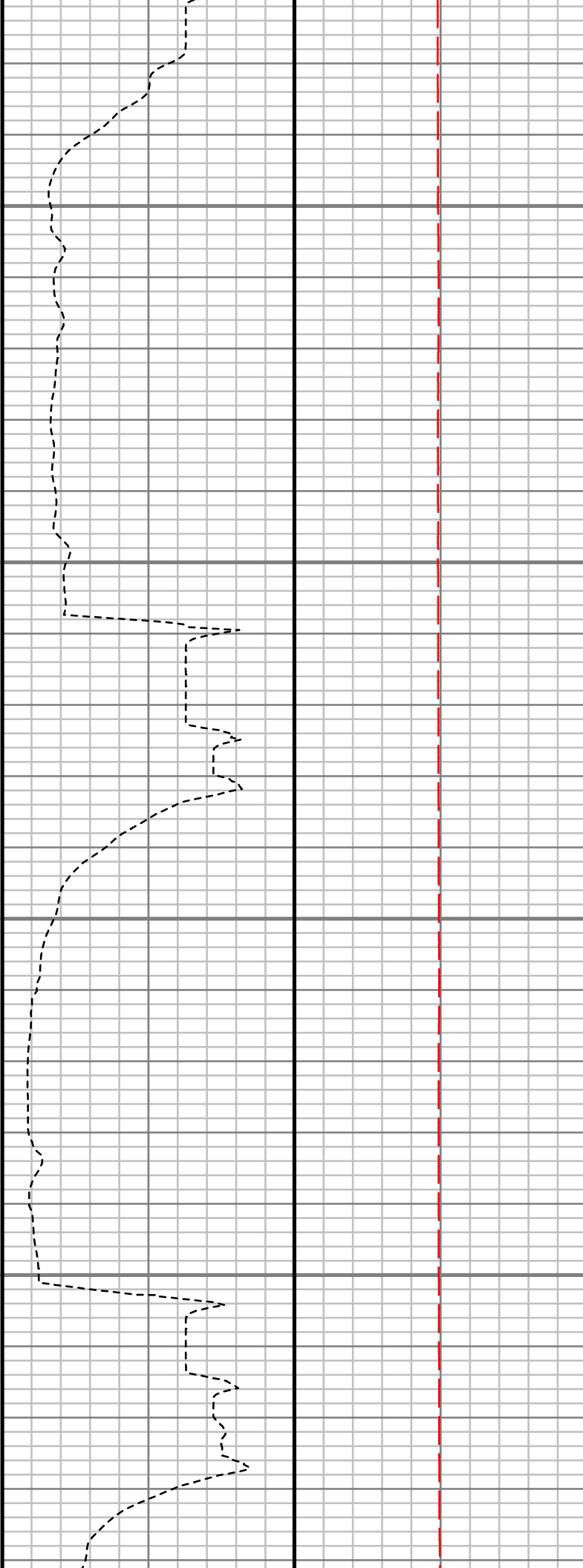
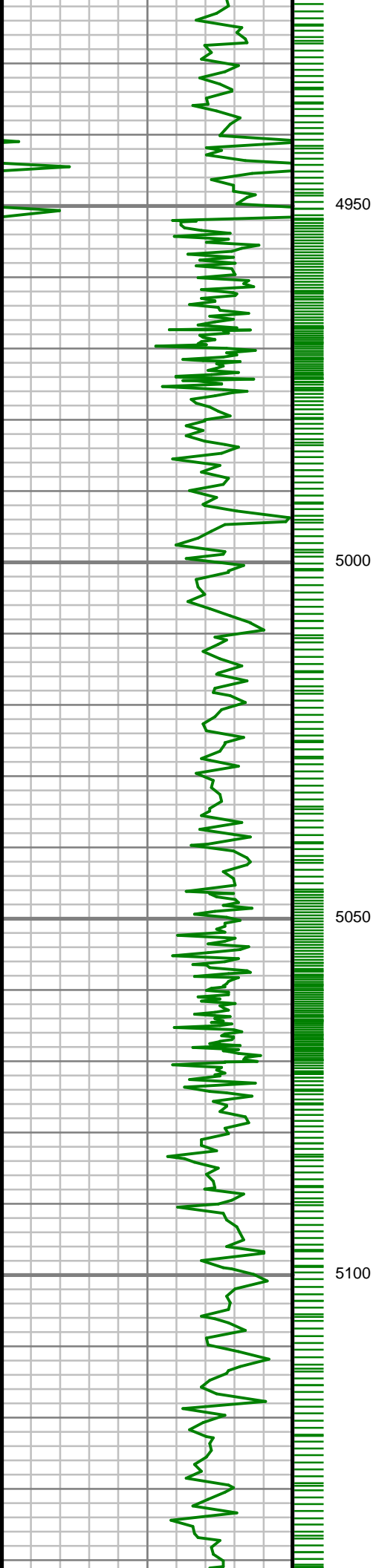
S: 48 MD: 4573.00 ft
Inc: 14.13 deg Az:
59.00 deg TVD:
4426.48 ft

S: 49 MD: 4666.00 ft
Inc: 11.82 deg Az:
57.40 deg TVD:
4517.10 ft



S: 50 MD: 4760.00 ft
Inc: 10.88 deg Az:
54.75 deg TVD:
4609.26 ft

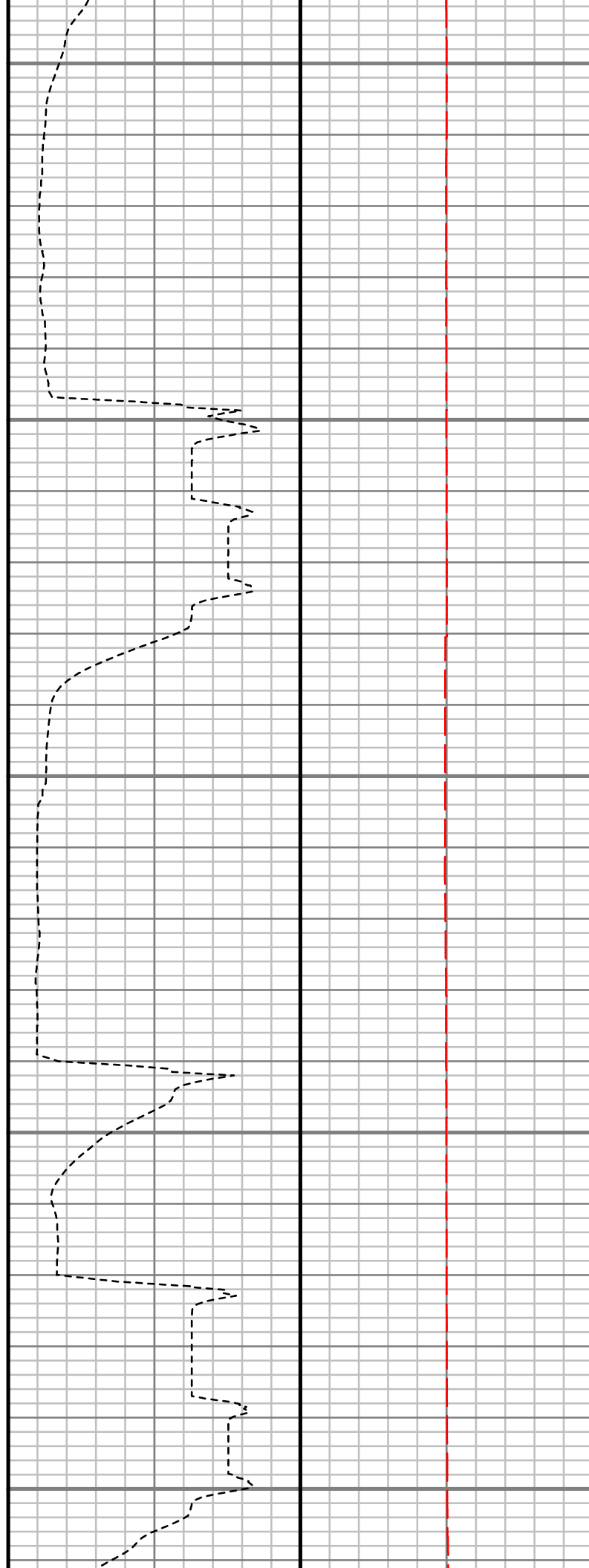
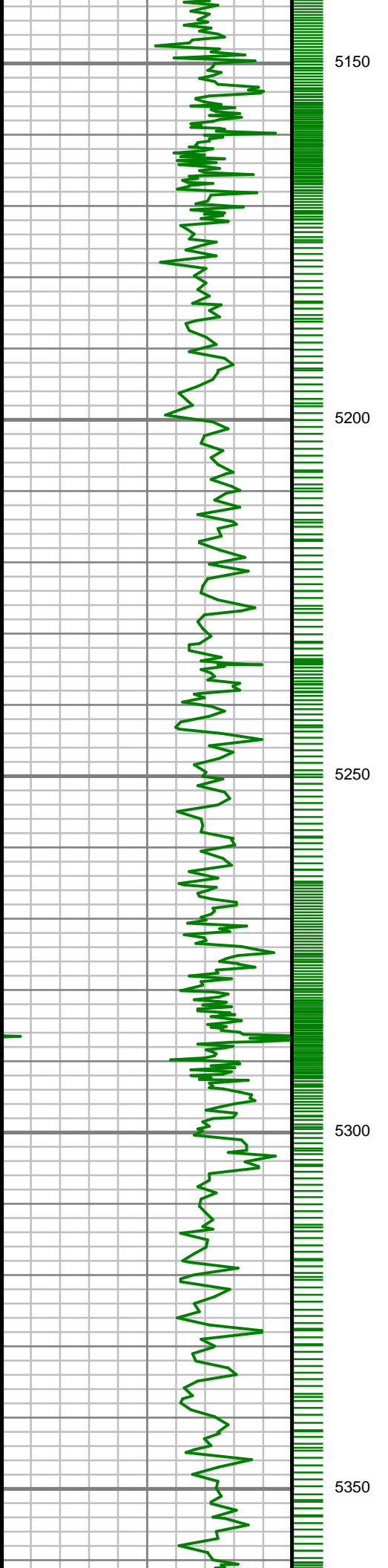
S: 51 MD: 4854.00 ft
Inc: 9.37 deg Az: 52.16
deg TVD: 4701.80 ft



S: 52 MD: 4949.00 ft
Inc: 8.50 deg Az: 50.13
deg TVD: 4795.64 ft

S: 53 MD: 5043.00 ft
Inc: 7.43 deg Az: 52.58
deg TVD: 4888.74 ft

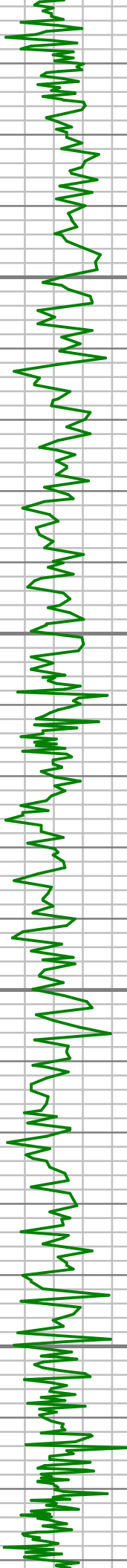
S: 54 MD: 5137.00 ft
Inc: 5.46 deg Az: 54.82
deg TVD: 4983.84 ft



deg TVD: 4982.14 ft

S: 55 MD: 5262.00 ft
Inc: 3.05 deg Az: 61.05
deg TVD: 5106.78 ft

S: 56 MD: 5357.00 ft
Inc: 1.41 deg Az: 51.69

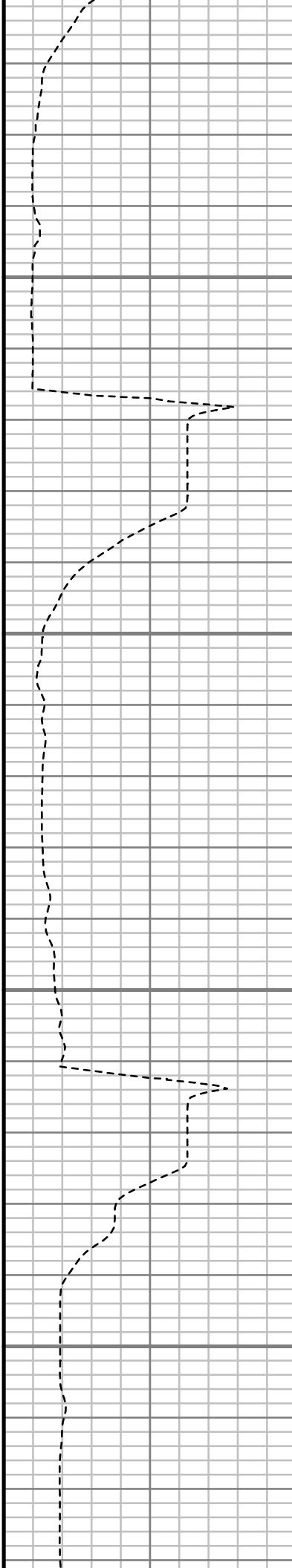


5400

5450

5500

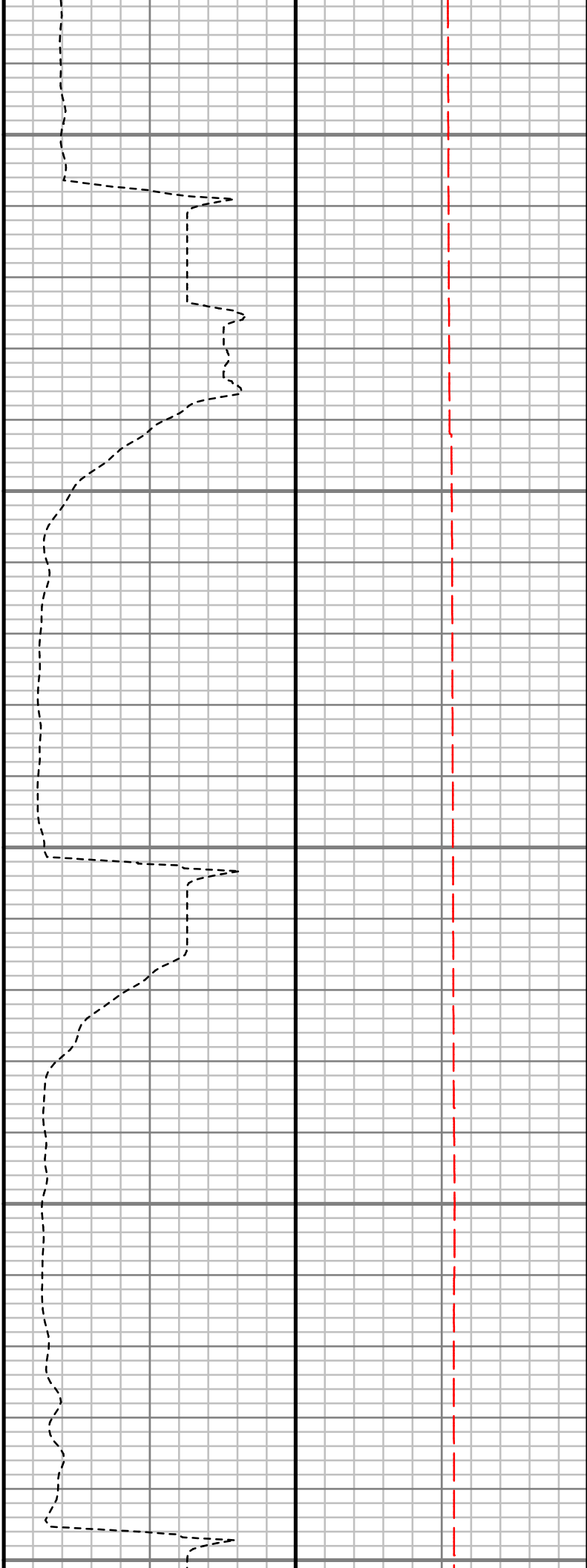
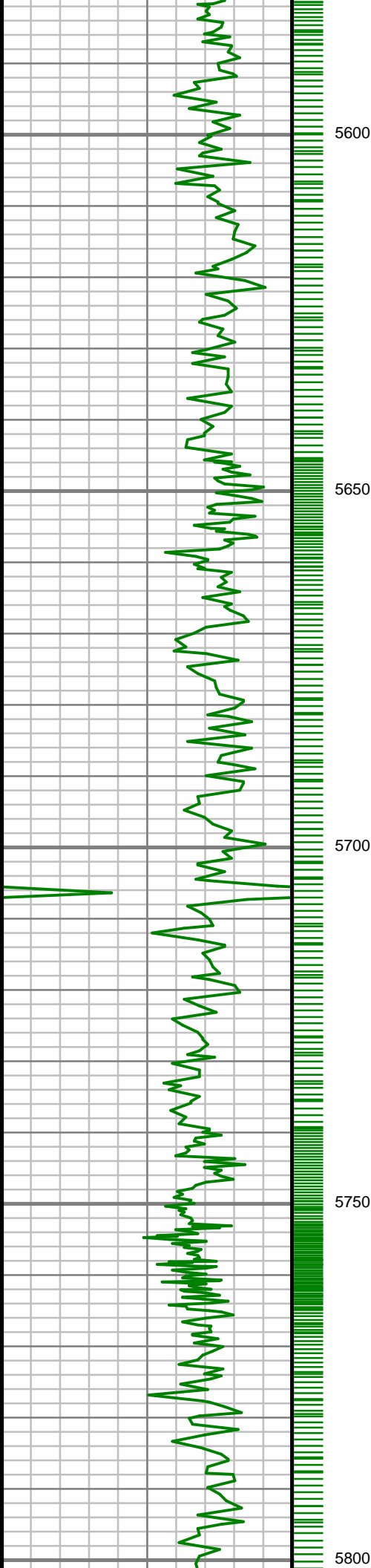
5550



Inc: 1.04 deg Az: 39.88
deg TVD: 5201.71 ft

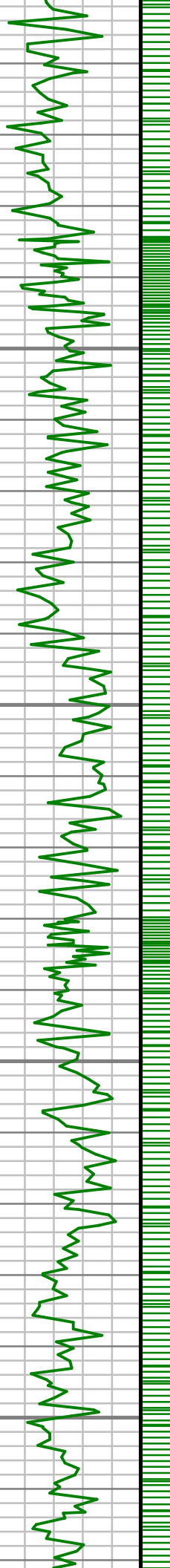
S: 57 MD: 5452.00 ft
Inc: 1.01 deg Az: 39.88
deg TVD: 5296.69 ft

S: 58 MD: 5547.00 ft
Inc: 1.04 deg Az: 15.06
deg TVD: 5391.67 ft



S: 59 MD: 5641.00 ft
Inc: 0.90 deg Az: 93.73
deg TVD: 5485.66 ft

S: 60 MD: 5735.00 ft
Inc: 0.90 deg Az: 70.00
deg TVD: 5579.65 ft

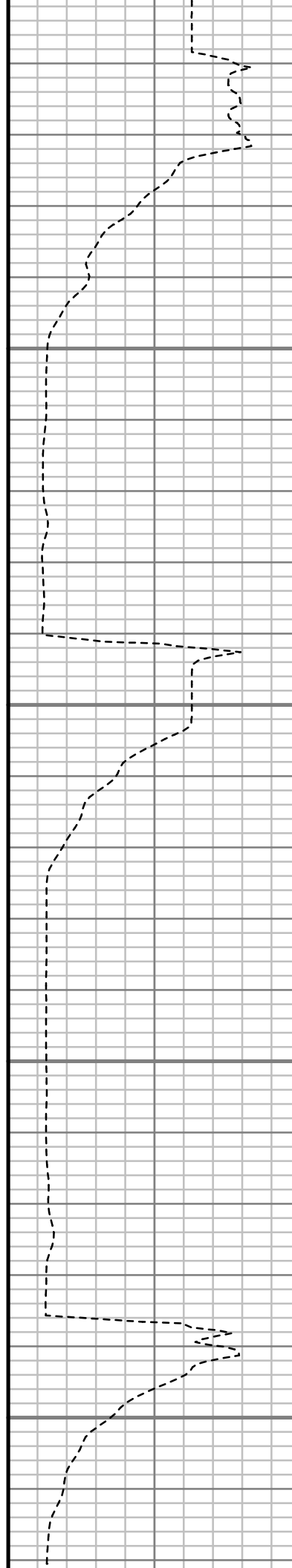


5850

5900

5950

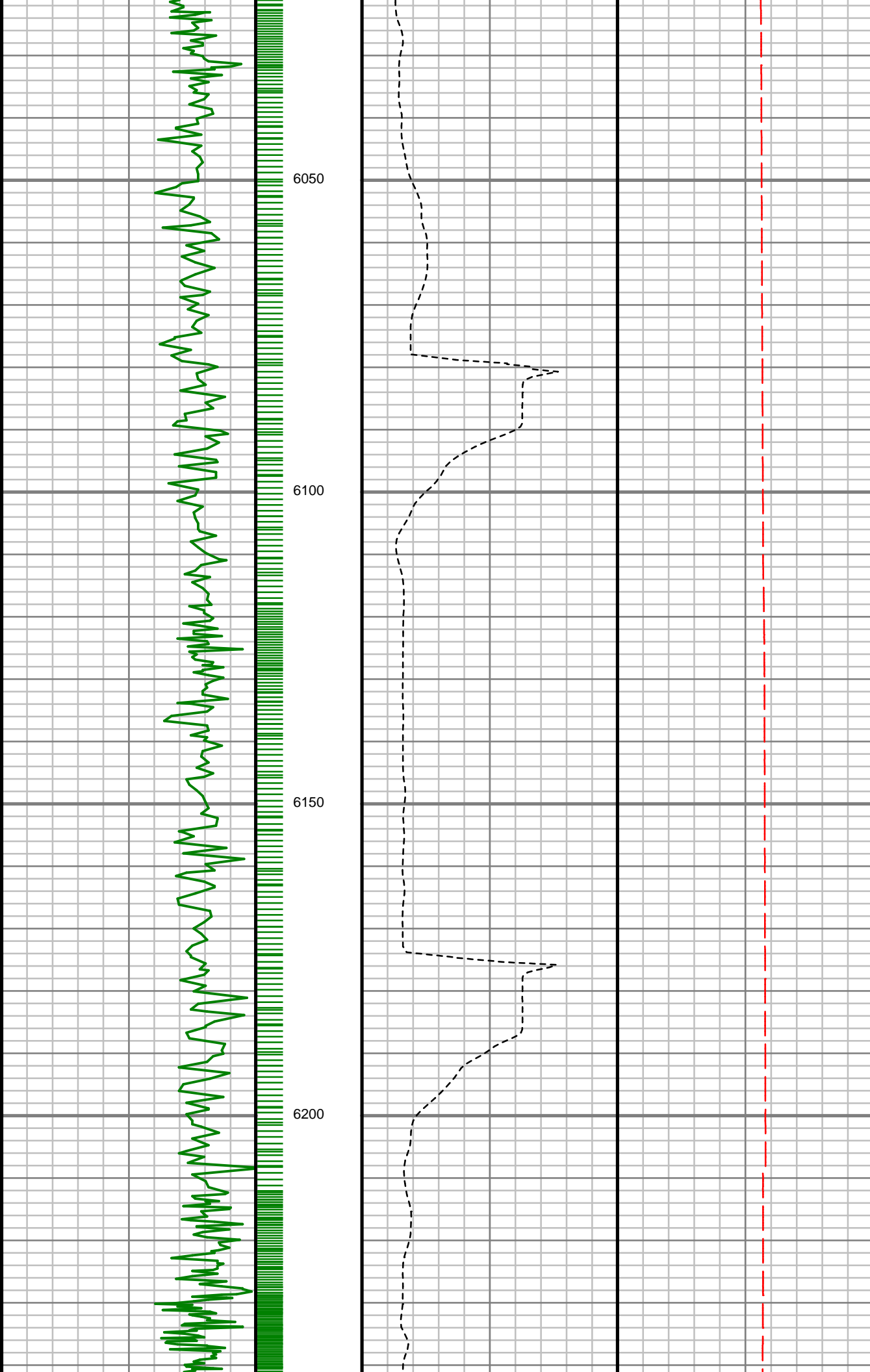
6000



S: 61 MD: 5830.00 ft
Inc: 0.62 deg Az:
210.03 deg TVD:
5674.65 ft

S: 62 MD: 5925.00 ft
Inc: 0.74 deg Az:
189.33 deg TVD:
5769.64 ft

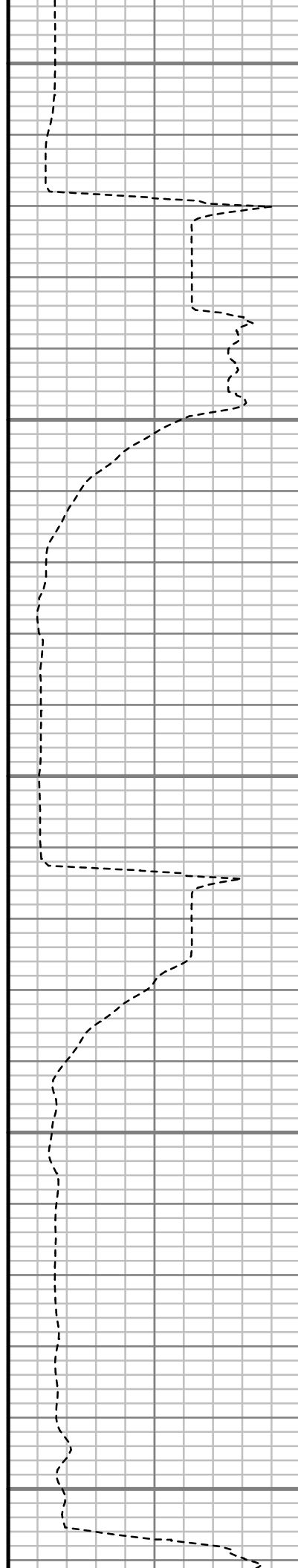
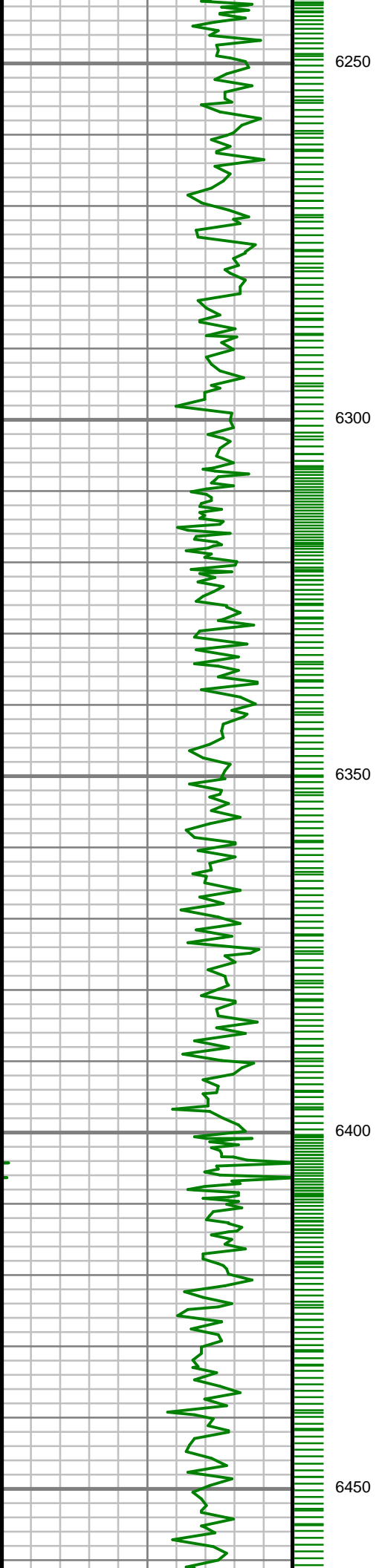
S: 63 MD: 6020.00 ft



S: 63 MD: 6020.00 ft
Inc: 0.84 deg Az:
188.63 deg TVD:
5864.63 ft

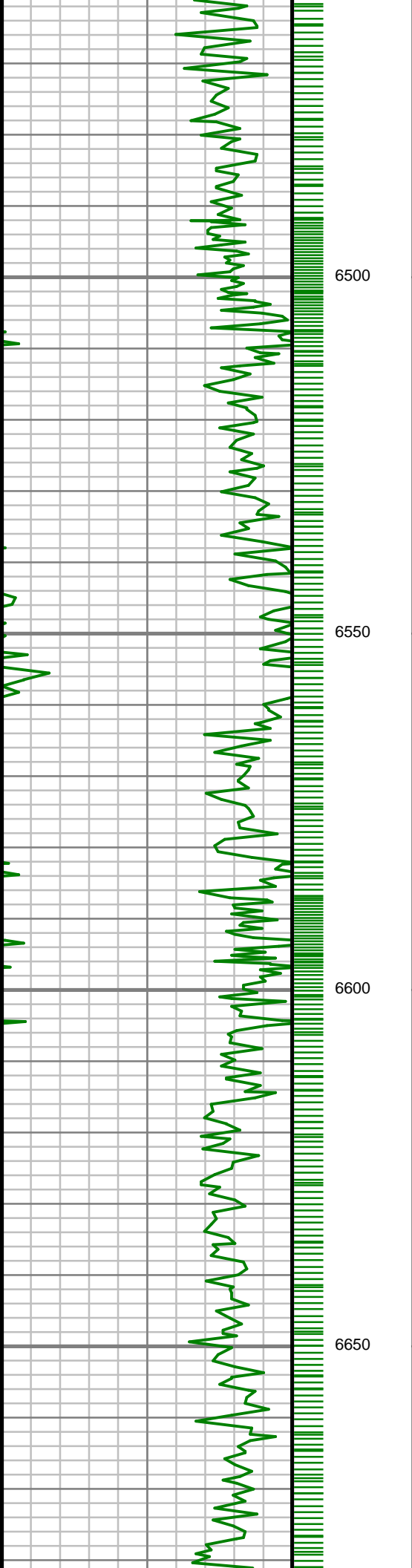
S: 64 MD: 6115.00 ft
Inc: 0.69 deg Az:
198.19 deg TVD:
5959.62 ft

S: 65 MD: 6209.00 ft
Inc: 1.32 deg Az:
205.06 deg TVD:
6053.61 ft



S: 66 MD: 6303.00 ft
Inc: 0.57 deg Az:
251.44 deg TVD:
6147.60 ft

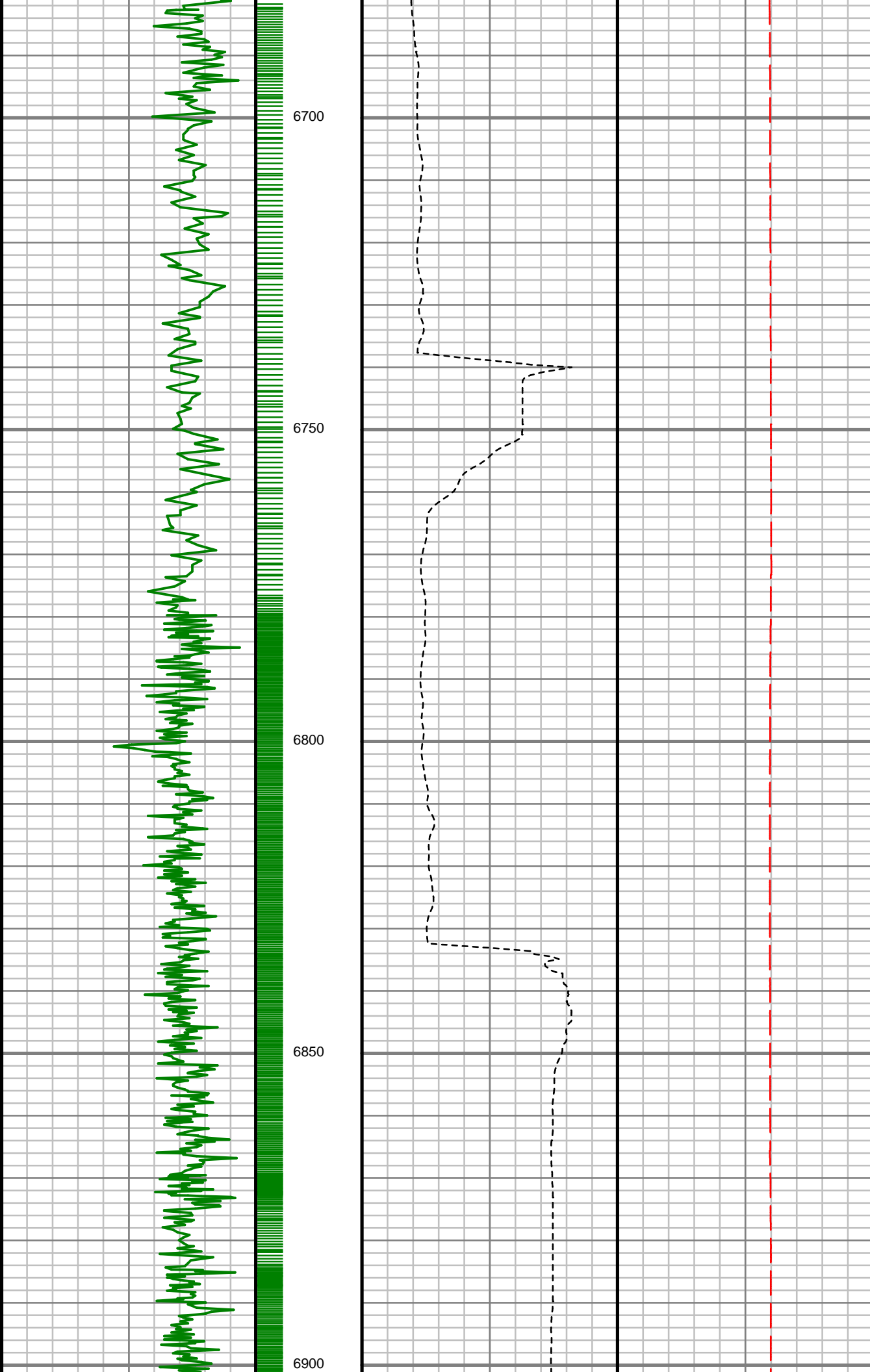
S: 67 MD: 6396.00 ft
Inc: 0.48 deg Az:
242.54 deg TVD:
6240.59 ft



S: 68 MD: 6488.00 ft
Inc: 0.61 deg Az:
230.89 deg TVD:
6332.59 ft

S: 69 MD: 6583.00 ft
Inc: 0.65 deg Az:
231.72 deg TVD:
6427.58 ft

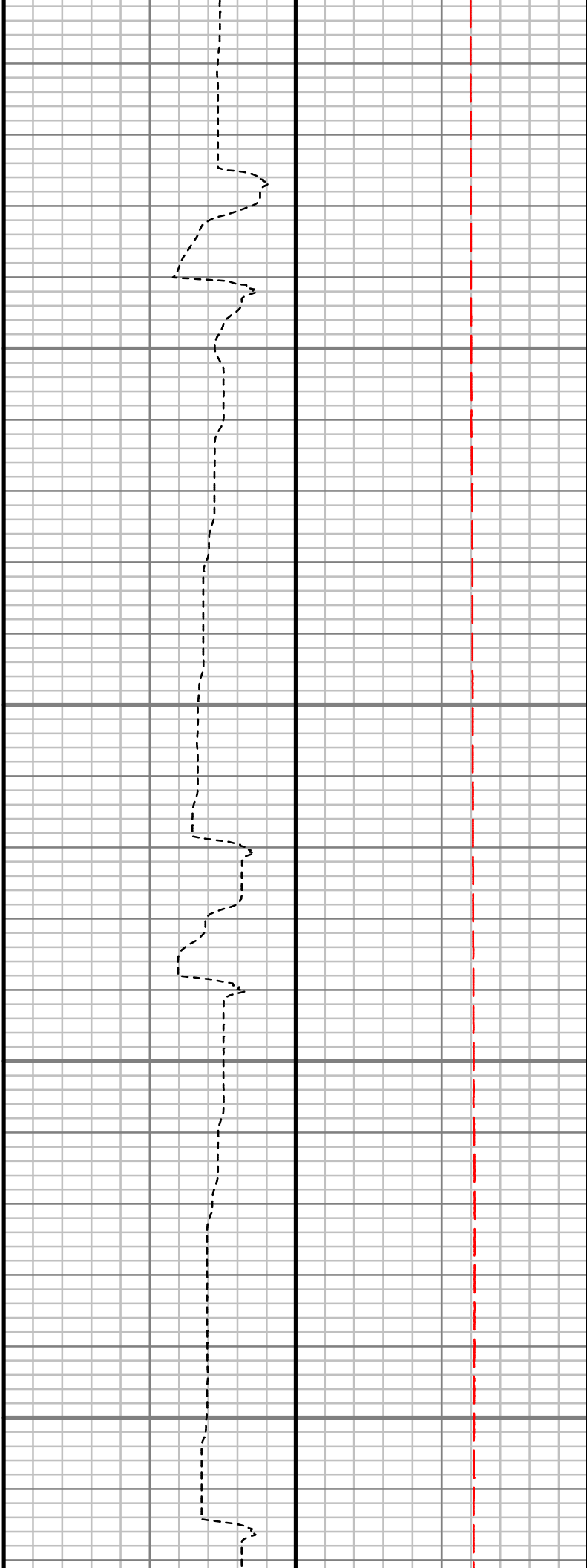
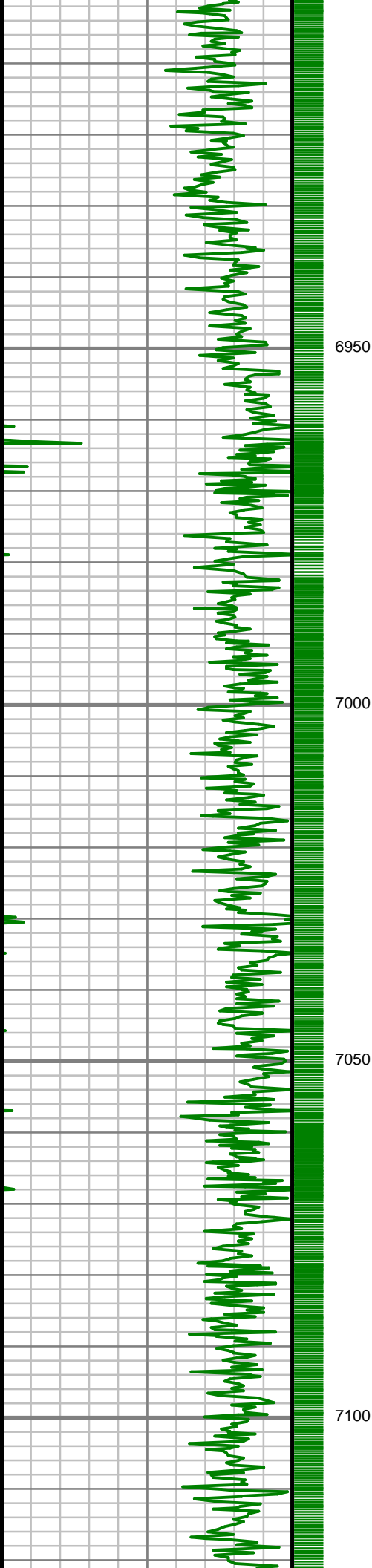
S: 70 MD: 6678.00 ft



Inc: 0.77 deg Az:
228.34 deg TVD:
6522.57 ft

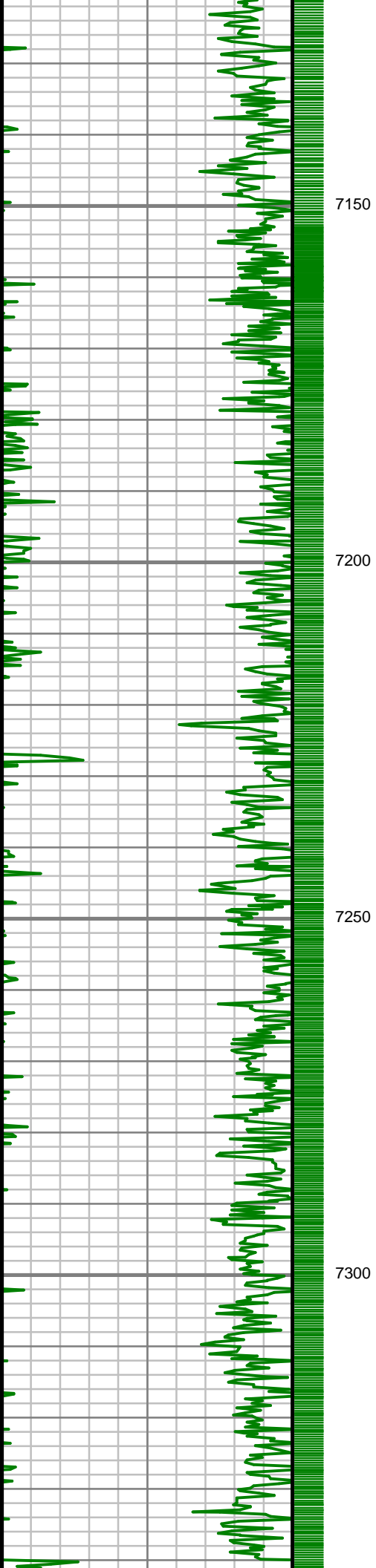
S: 71 MD: 6772.00 ft
Inc: 0.64 deg Az:
207.86 deg TVD:
6616.57 ft

S: 72 MD: 6866.00 ft
Inc: 3.95 deg Az:
353.35 deg TVD:
6710.50 ft



S: 73 MD: 6960.00 ft
Inc: 13.25 deg Az: 5.93
deg TVD: 6803.35 ft

S: 74 MD: 7055.00 ft
Inc: 22.20 deg Az:
11.21 deg TVD:
6893.75 ft



7150

7200

7250

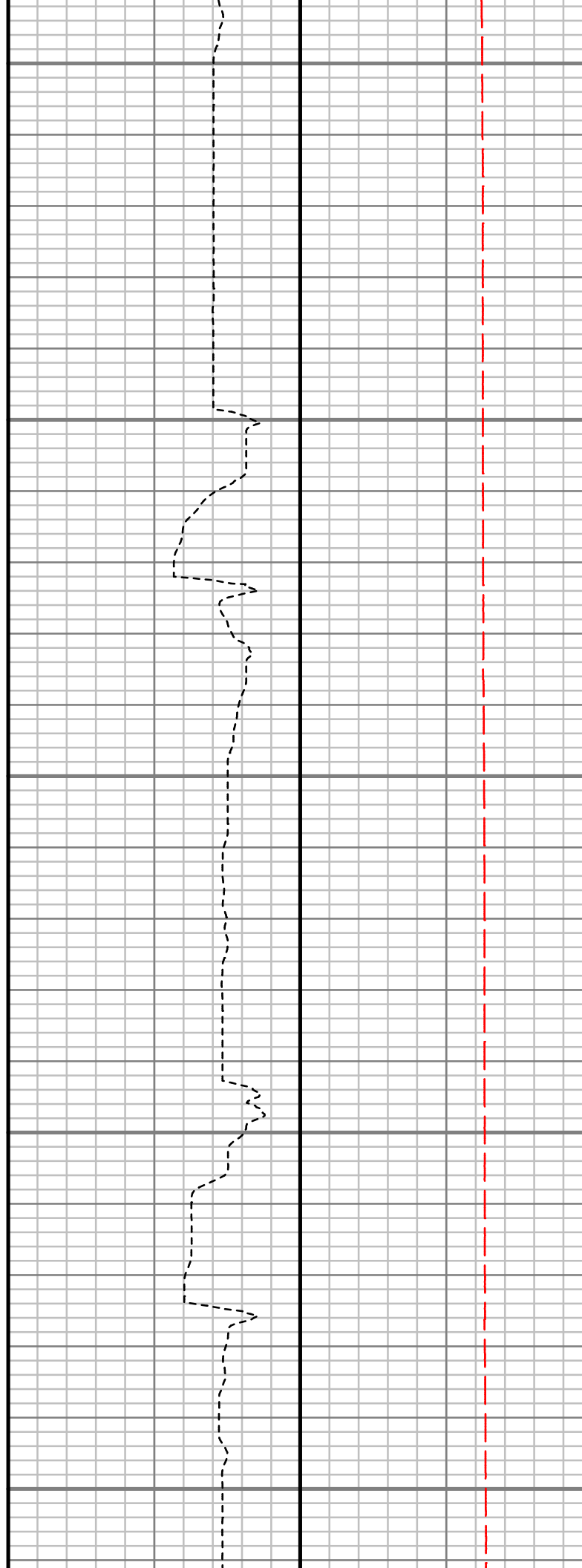
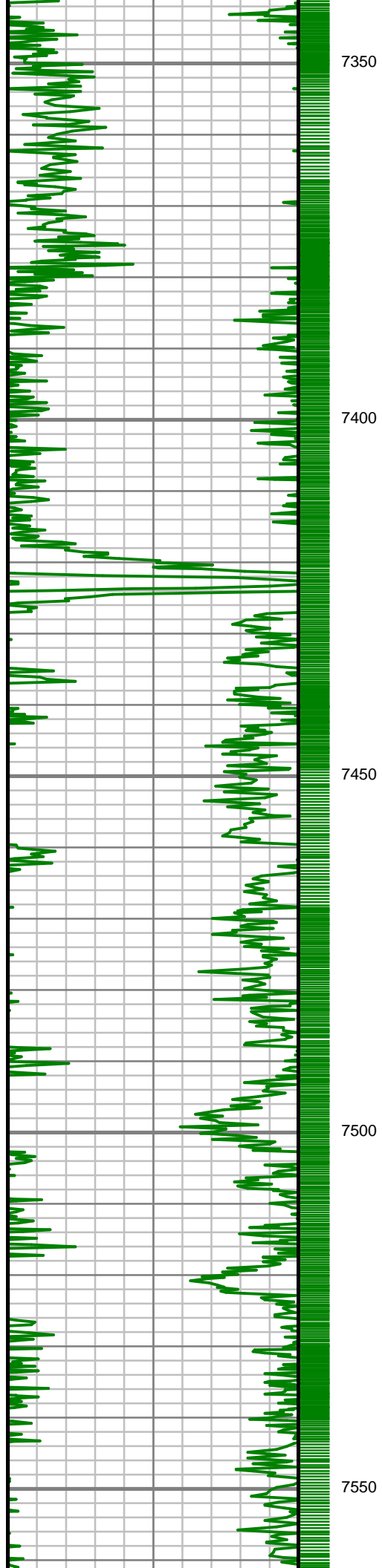
7300



S: 75 MD: 7149.00 ft
Inc: 29.63 deg Az: 3.74
deg TVD: 6978.26 ft

S: 76 MD: 7244.00 ft
Inc: 37.94 deg Az: 5.72
deg TVD: 7057.15 ft

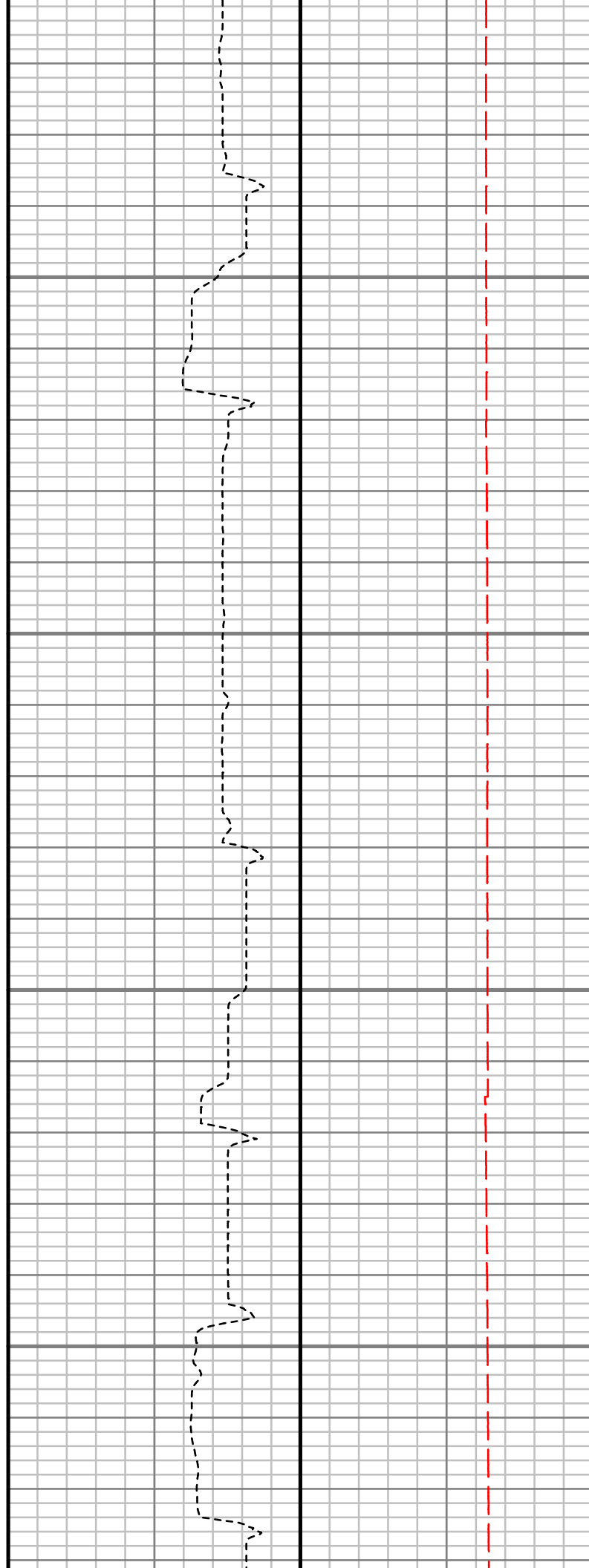
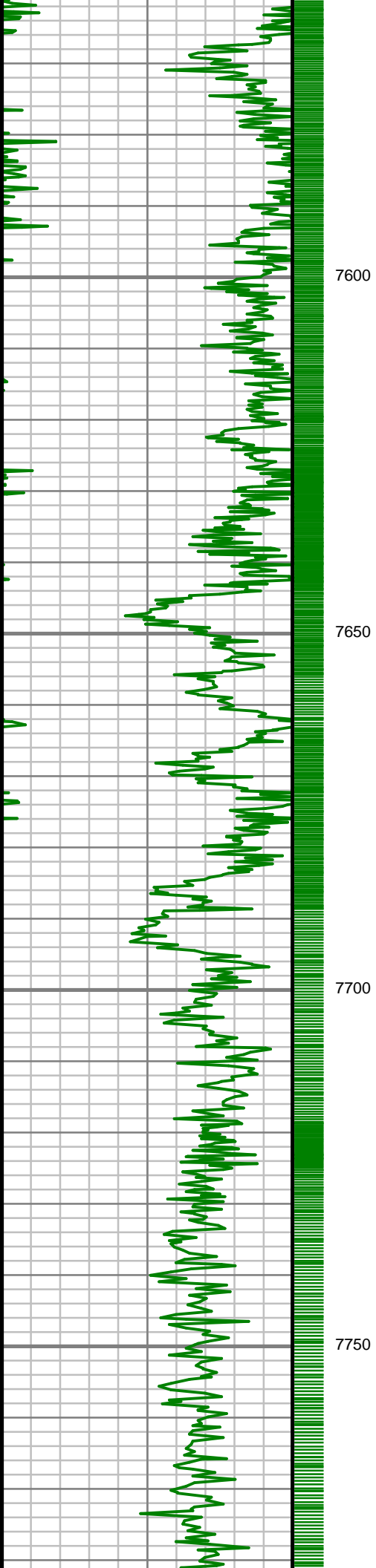
S: 77 MD: 7338.00 ft
Inc: 30.00 deg Az: 0.00
deg TVD: 7140.00 ft



Inc: 50.23 deg Az: 3.86
deg TVD: 7124.54 ft

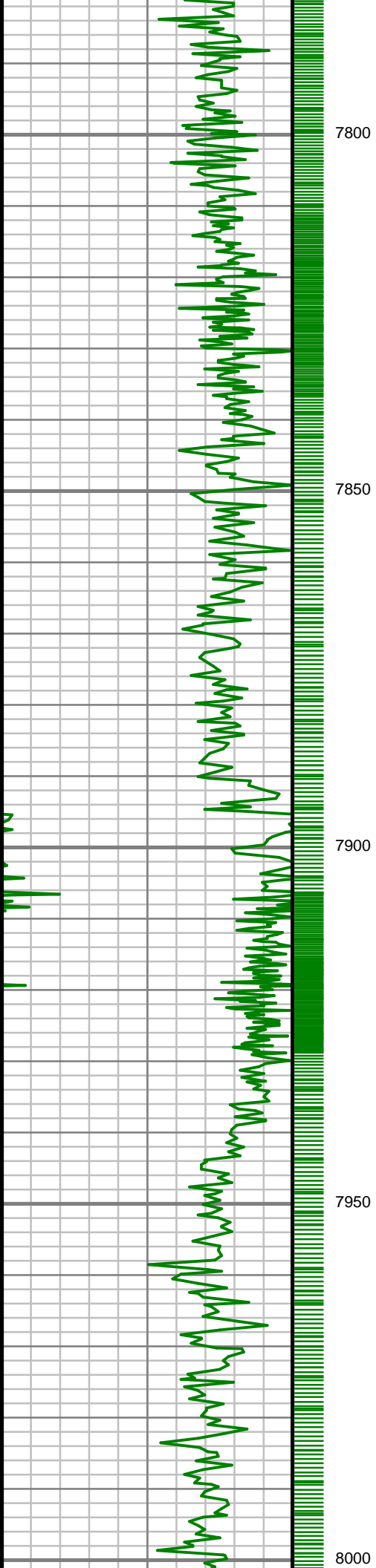
S: 78 MD: 7432.00 ft
Inc: 58.79 deg Az: 0.06
deg TVD: 7179.08 ft

S: 79 MD: 7527.00 ft
Inc: 66.95 deg Az: 0.22
deg TVD: 7222.36 ft



S: 80 MD: 7621.00 ft
Inc: 75.68 deg Az:
359.77 deg TVD:
7252.45 ft

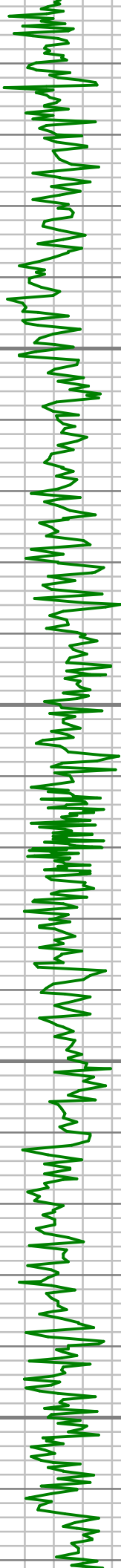
S: 81 MD: 7715.00 ft
Inc: 85.33 deg Az:
359.05 deg TVD:
7267.94 ft



S: 82 MD: 7807.00 ft
Inc: 88.55 deg Az:
356.81 deg TVD:
7272.85 ft

S: 83 MD: 7902.00 ft
Inc: 88.32 deg Az:
357.33 deg TVD:
7275.44 ft

S: 84 MD: 7997.00 ft
Inc: 89.19 deg Az:

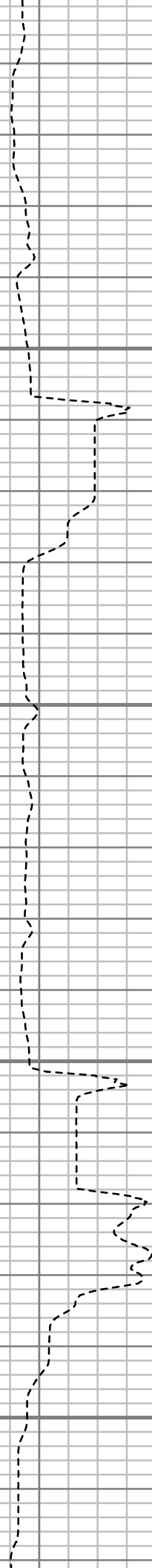


8050

8100

8150

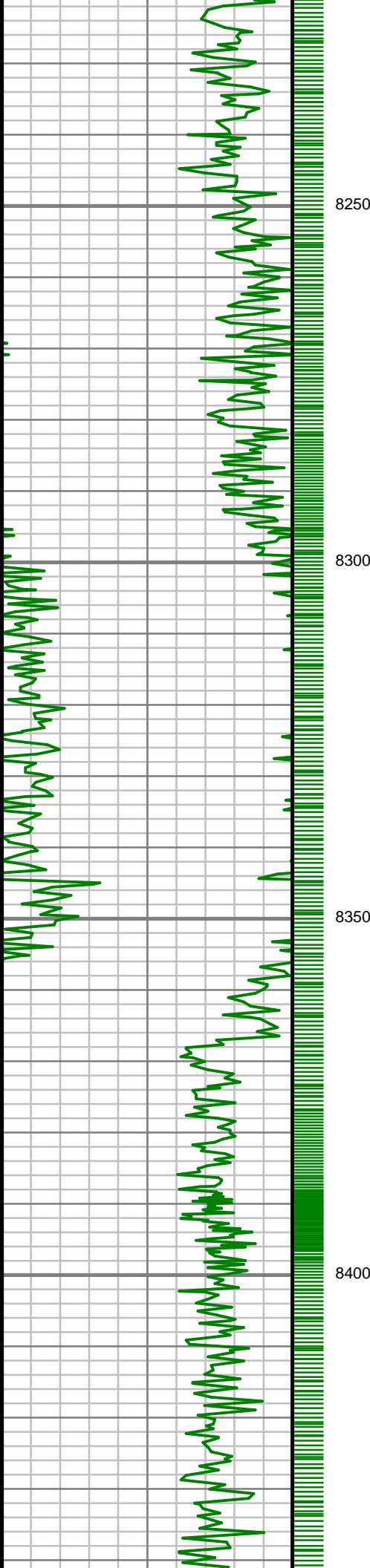
8200



Inc: 89.70 deg Az:
359.24 deg TVD:
7277.51 ft

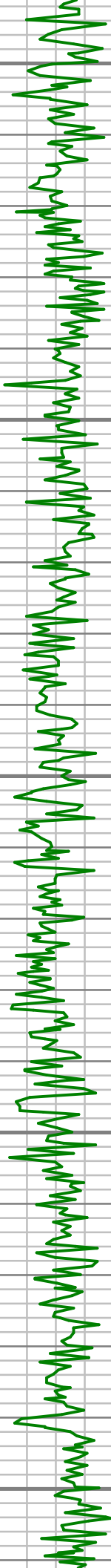
S: 85 MD: 8091.00 ft
Inc: 89.70 deg Az:
358.64 deg TVD:
7278.42 ft

S: 86 MD: 8185.00 ft
Inc: 89.60 deg Az: 0.59
deg TVD: 7279.00 ft



S: 87 MD: 8278.00 ft
Inc: 89.19 deg Az: 0.93
deg TVD: 7279.98 ft

S: 88 MD: 8372.00 ft
Inc: 88.89 deg Az: 1.26
deg TVD: 7281.55 ft



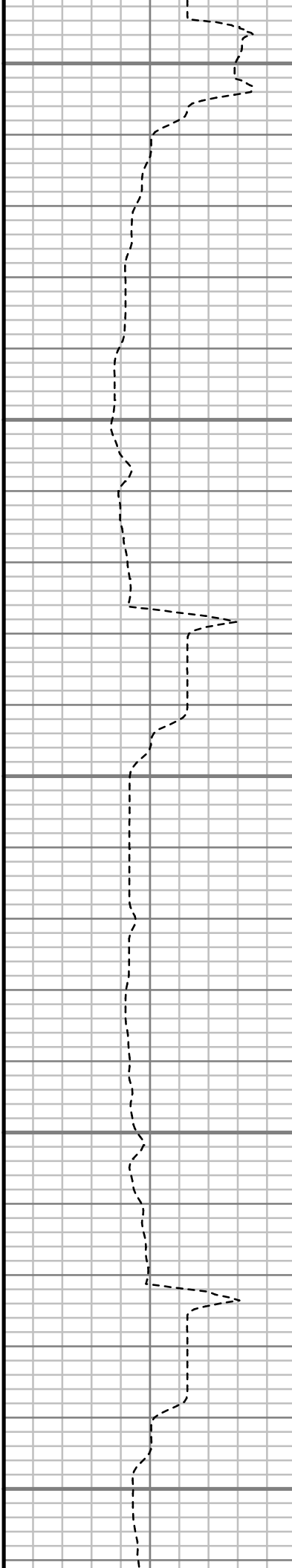
8450

8500

8550

8600

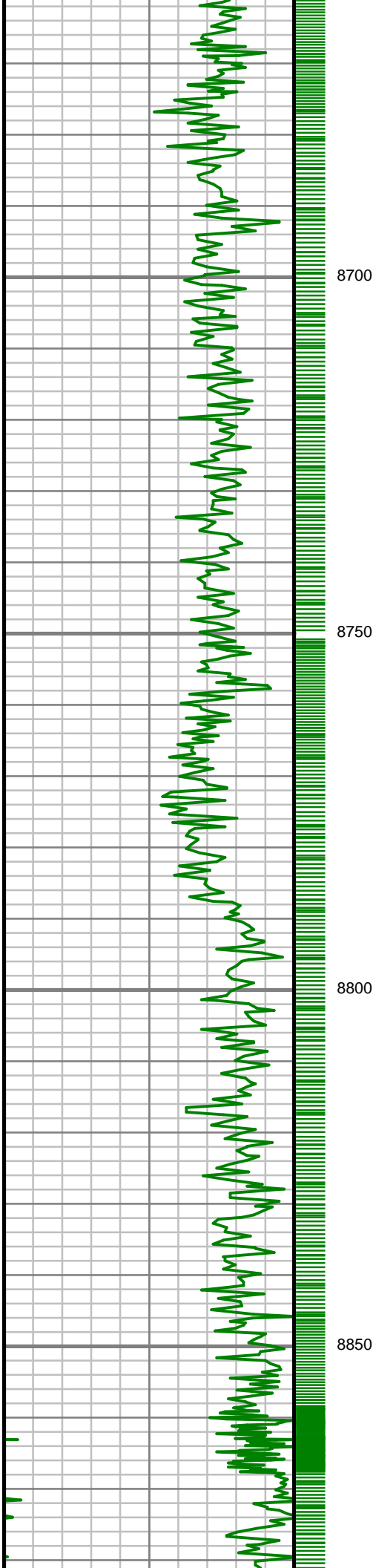
8650



S: 89 MD: 8465.00 ft
Inc: 90.74 deg Az: 1.26
deg TVD: 7281.85 ft

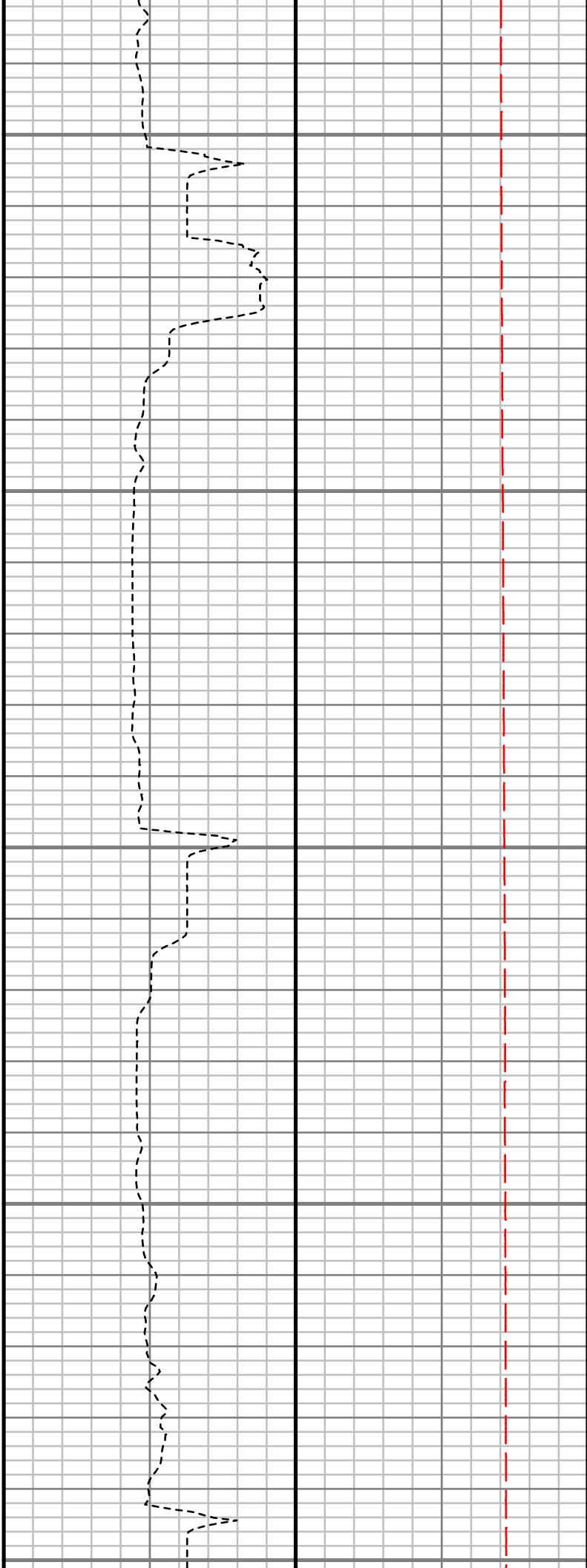
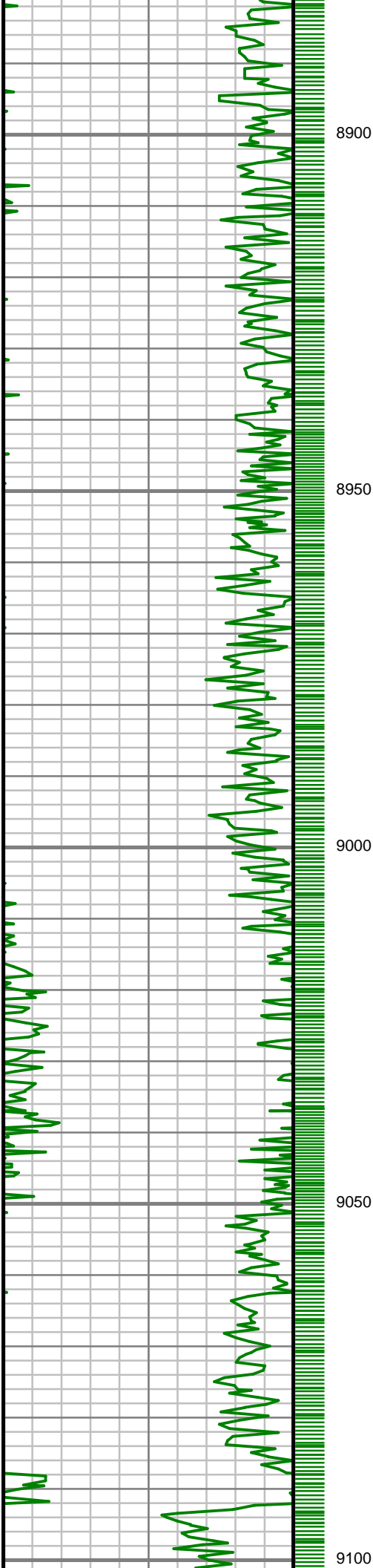
S: 90 MD: 8560.00 ft
Inc: 90.54 deg Az: 0.48
deg TVD: 7280.79 ft

S: 91 MD: 8653.00 ft
Inc: 90.34 deg Az: 0.62
deg TVD: 7280.08 ft



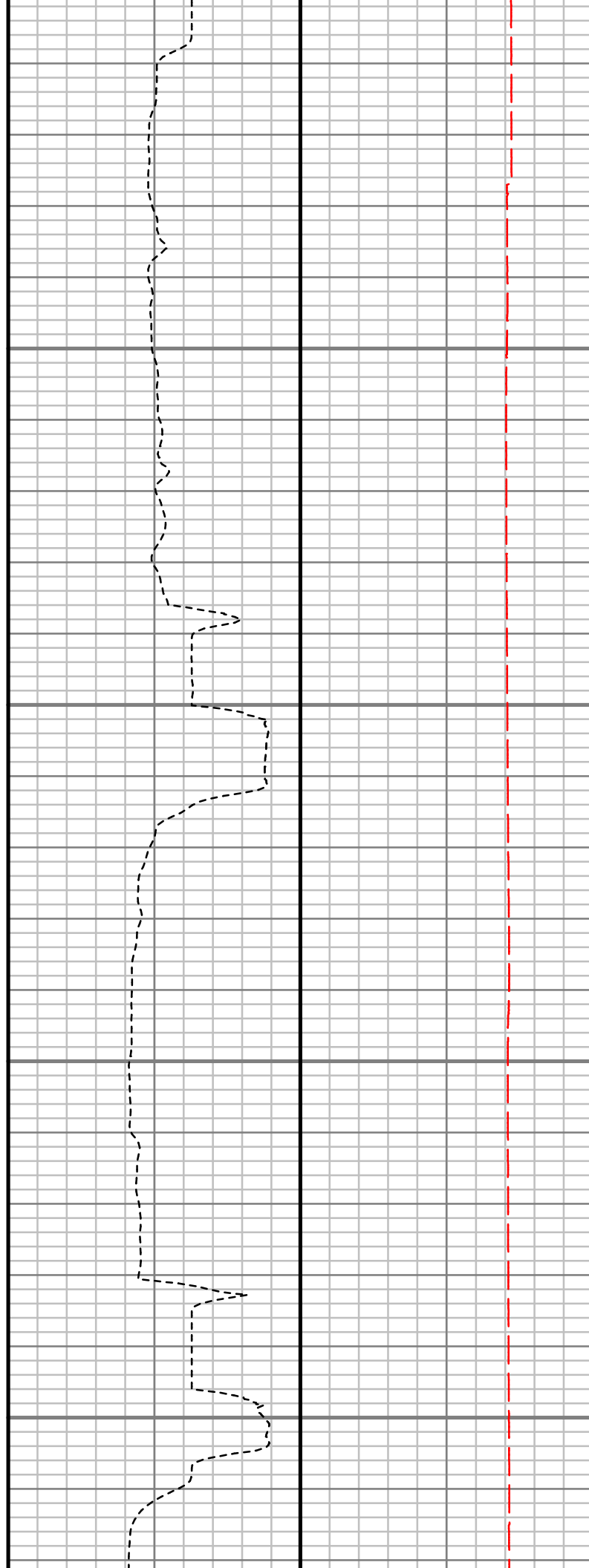
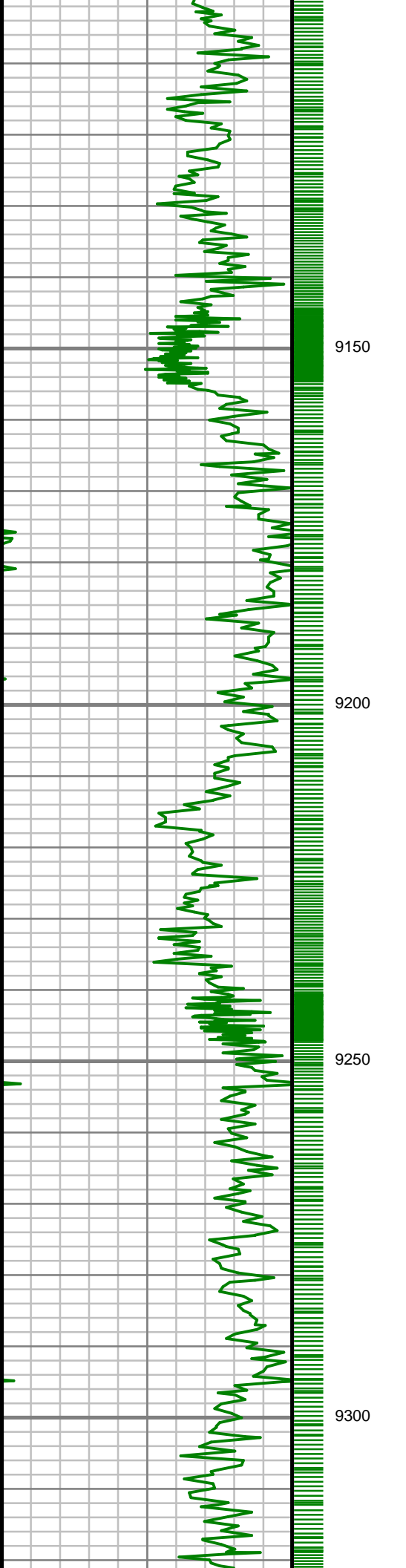
S: 92 MD: 8746.00 ft
Inc: 90.54 deg Az: 0.42
deg TVD: 7279.37 ft

S: 93 MD: 8840.00 ft
Inc: 90.74 deg Az: 0.19
deg TVD: 7278.32 ft



S: 94 MD: 8935.00 ft
Inc: 89.53 deg Az: 0.02
deg TVD: 7278.10 ft

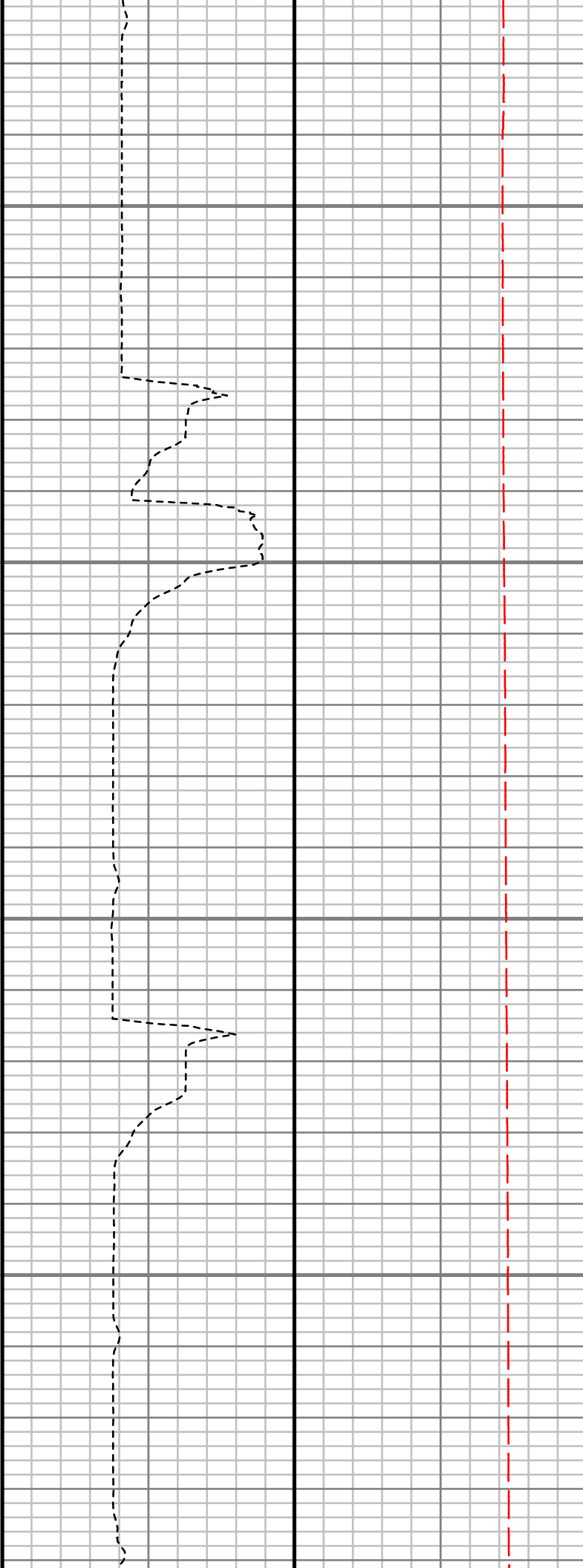
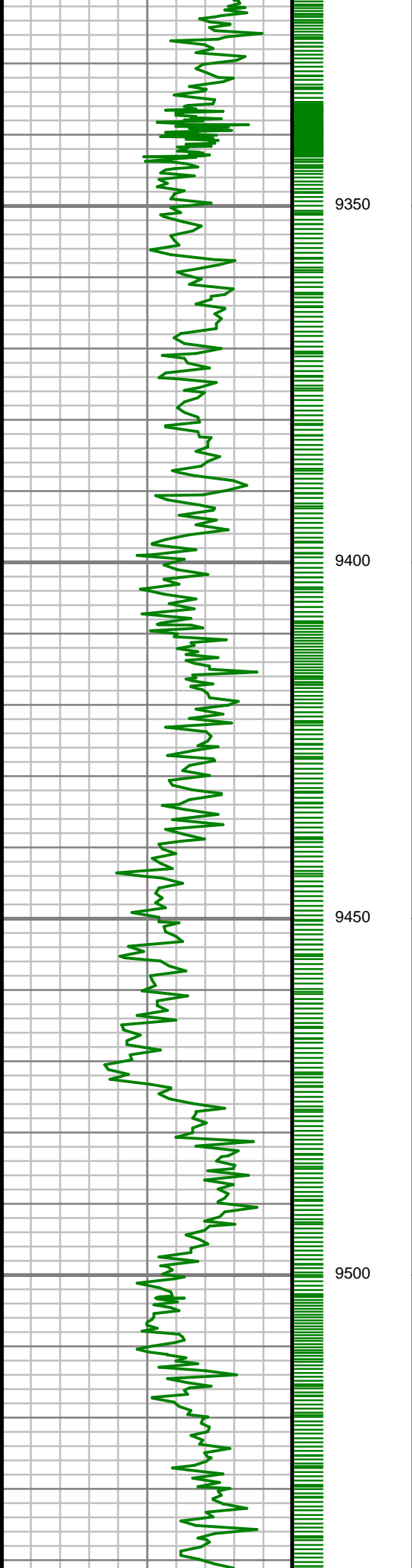
S: 95 MD: 9029.00 ft
Inc: 89.53 deg Az:
359.87 deg TVD:
7278.87 ft



S: 96 MD: 9123.00 ft
Inc: 89.12 deg Az:
359.00 deg TVD:
7279.97 ft

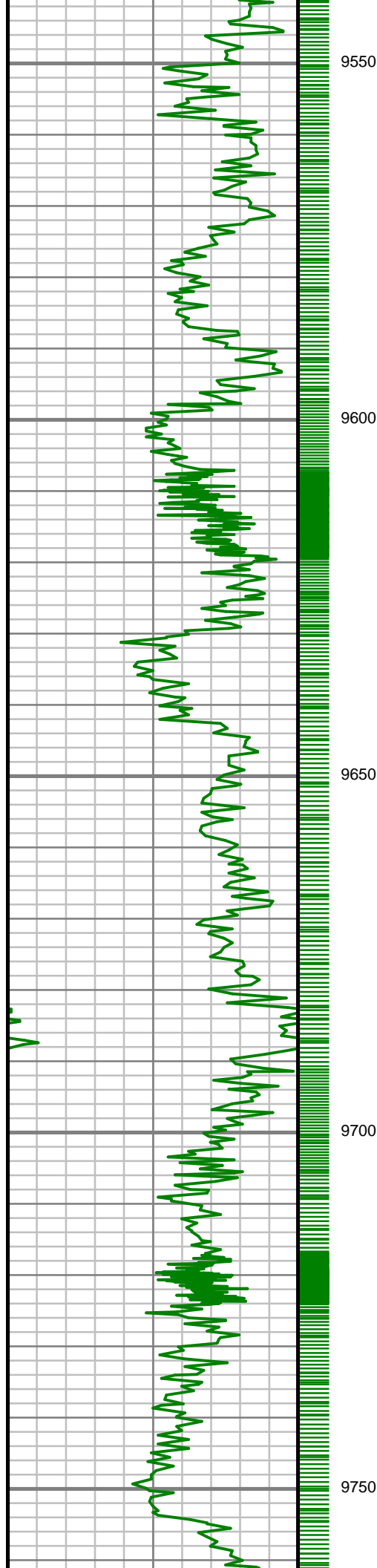
S: 97 MD: 9217.00 ft
Inc: 89.56 deg Az:
359.94 deg TVD:
7281.05 ft

S: 98 MD: 9310.00 ft
Inc: 89.93 deg Az: 0.55
deg TVD: 7281.46 ft



S: 99 MD: 9405.00 ft
Inc: 90.57 deg Az: 1.22
deg TVD: 7281.04 ft

S: 100 MD: 9499.00 ft
Inc: 90.54 deg Az: 1.08
deg TVD: 7280.13 ft



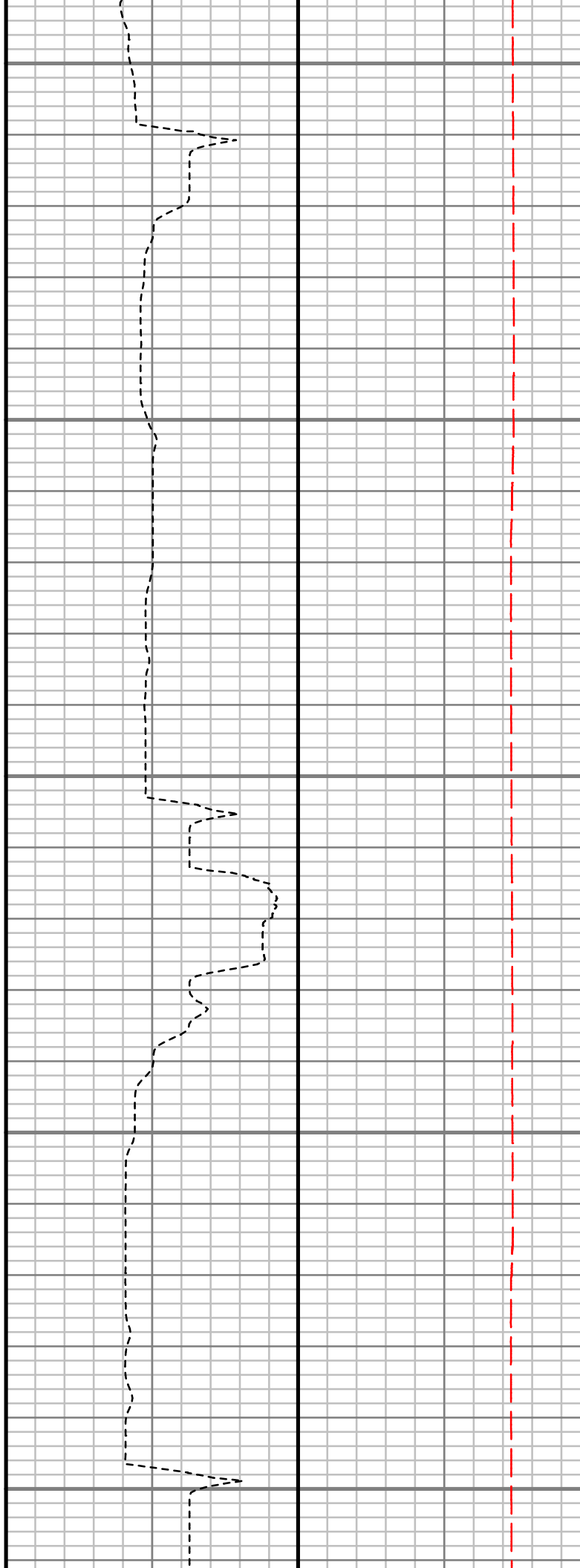
9550

9600

9650

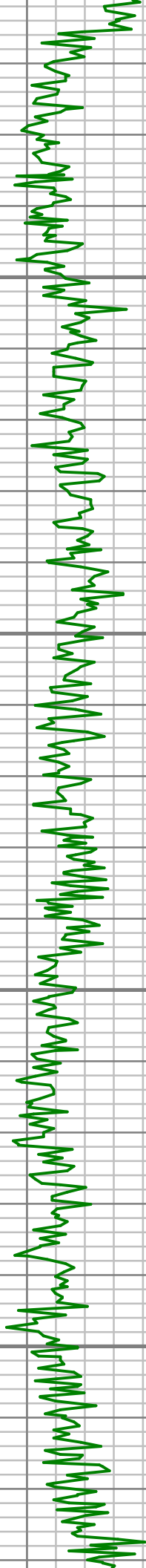
9700

9750



S: 101 MD: 9594.00 ft
Inc: 89.02 deg Az: 0.84
deg TVD: 7280.50 ft

S: 102 MD: 9687.00 ft
Inc: 90.44 deg Az: 0.68
deg TVD: 7280.93 ft

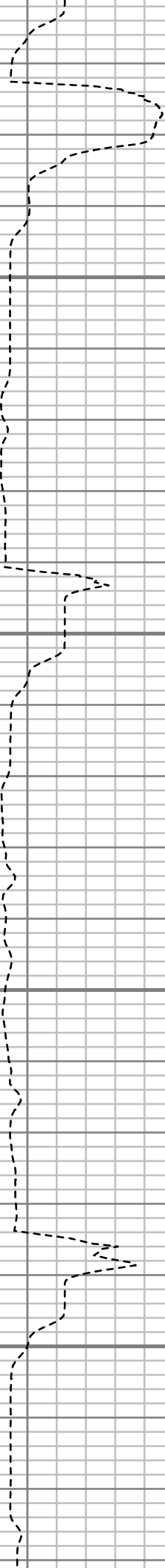


9800

9850

9900

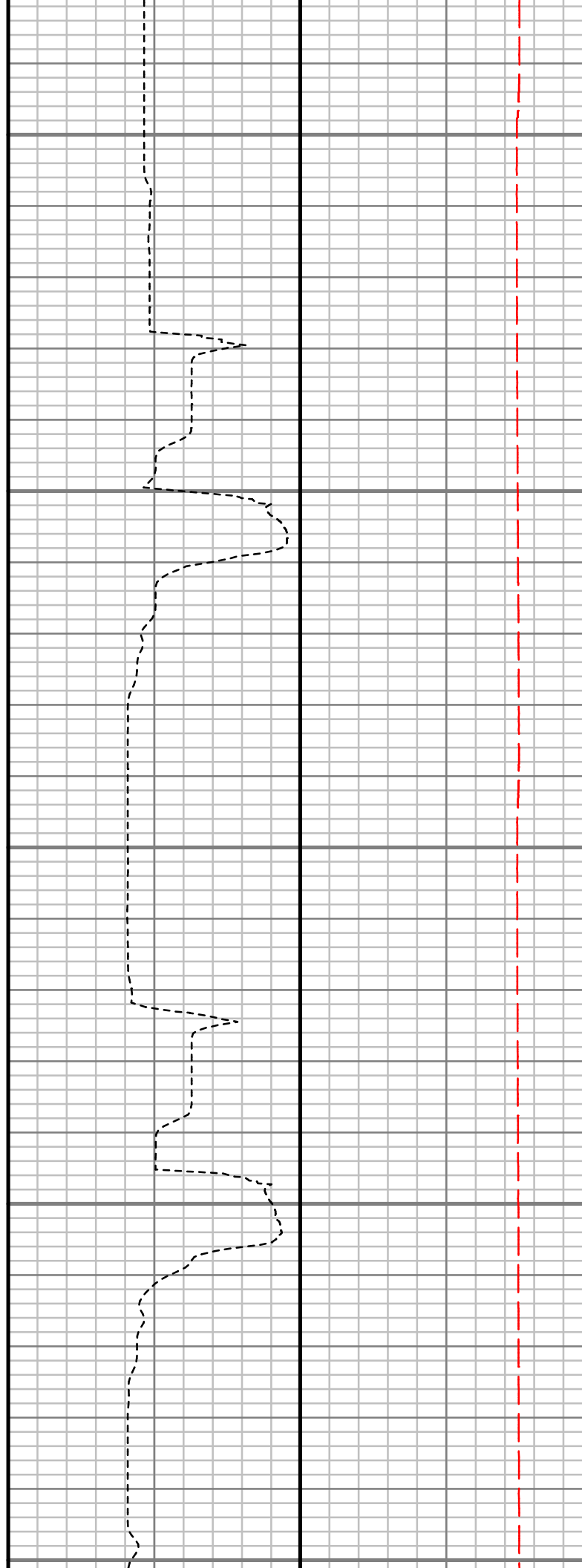
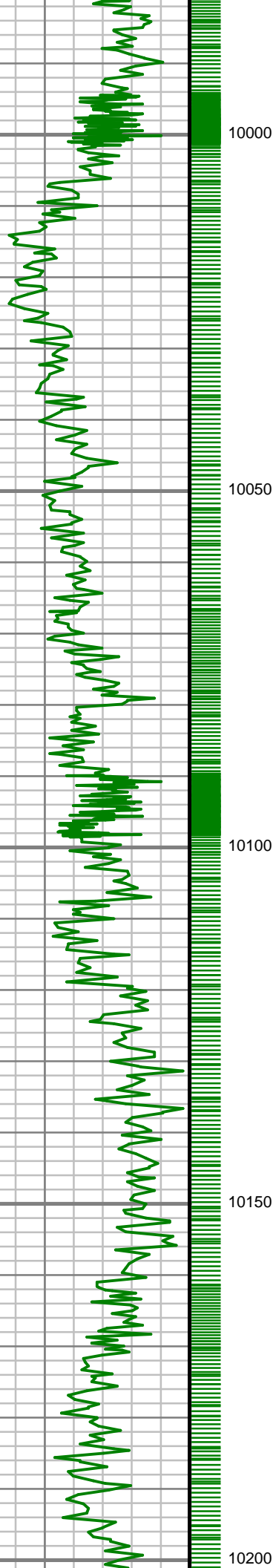
9950



S: 103 MD: 9781.00 ft
Inc: 90.60 deg Az: 0.47
deg TVD: 7280.08 ft

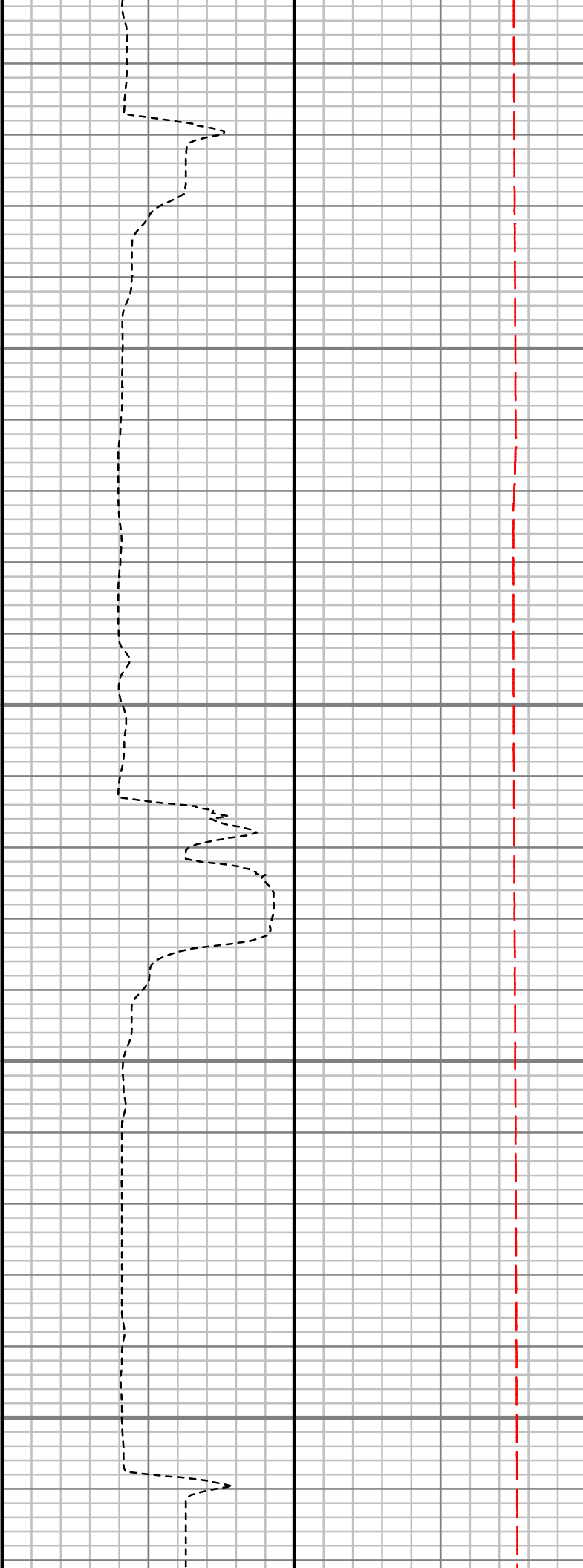
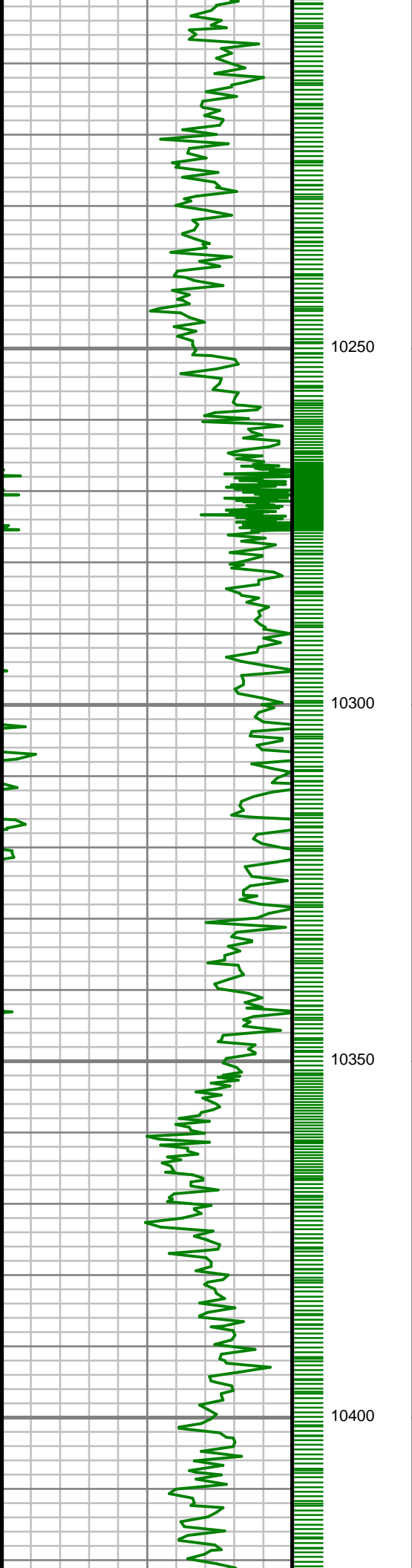
S: 104 MD: 9874.00 ft
Inc: 91.31 deg Az: 0.10
deg TVD: 7278.53 ft

S: 105 MD: 9969.00 ft
Inc: 91.61 deg Az:
359.87 deg TVD:
7276.10 ft



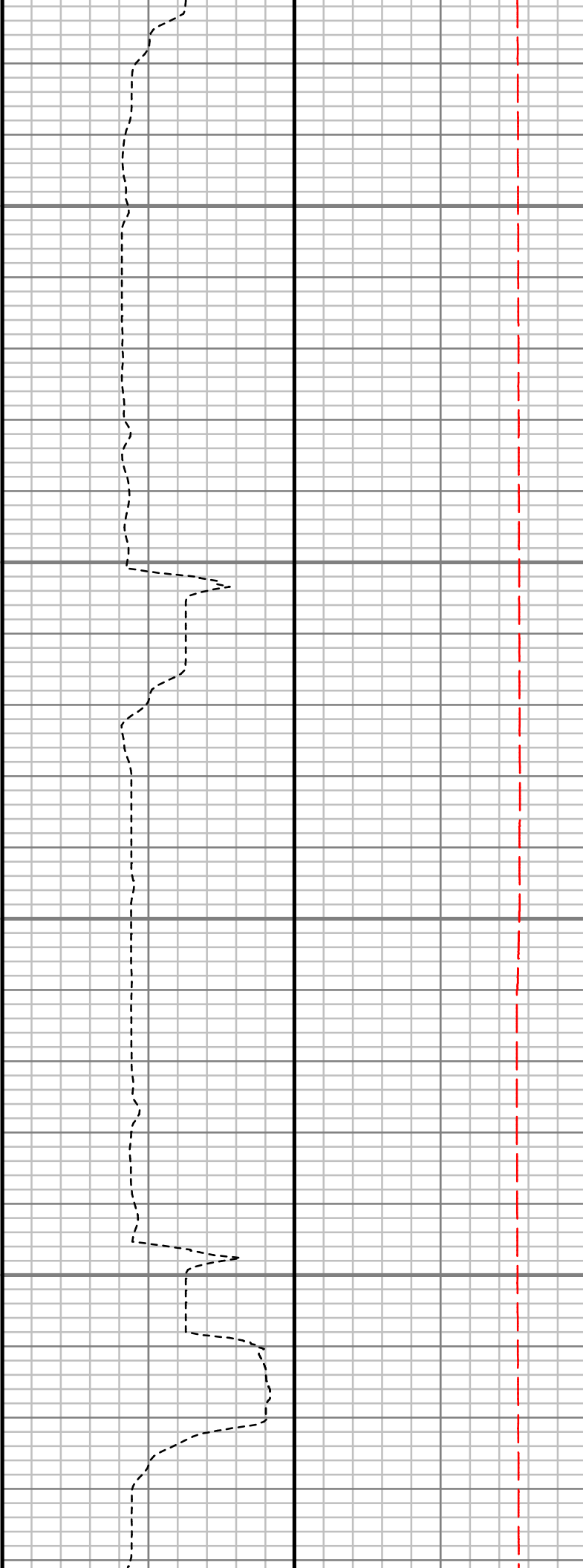
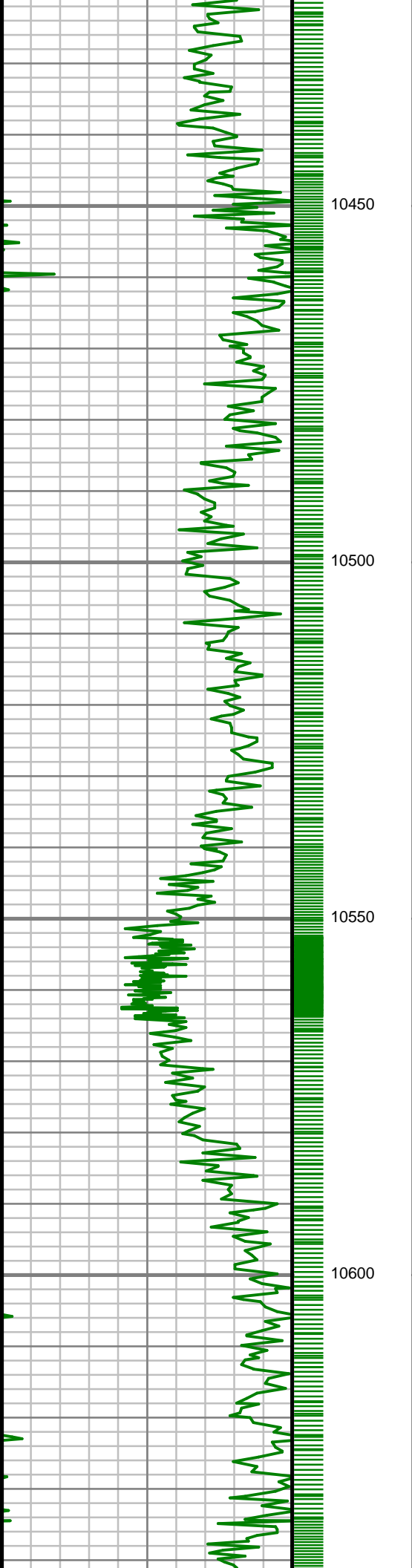
S: 106 MD: 10063.00 ft
Inc: 91.75 deg Az: 0.24
deg TVD: 7273.35 ft

S: 107 MD: 10158.00 ft
Inc: 90.87 deg Az: 0.08
deg TVD: 7271.17 ft



S: 108 MD: 10253.00 ft
Inc: 91.38 deg Az:
359.66 deg TVD:
7269.31 ft

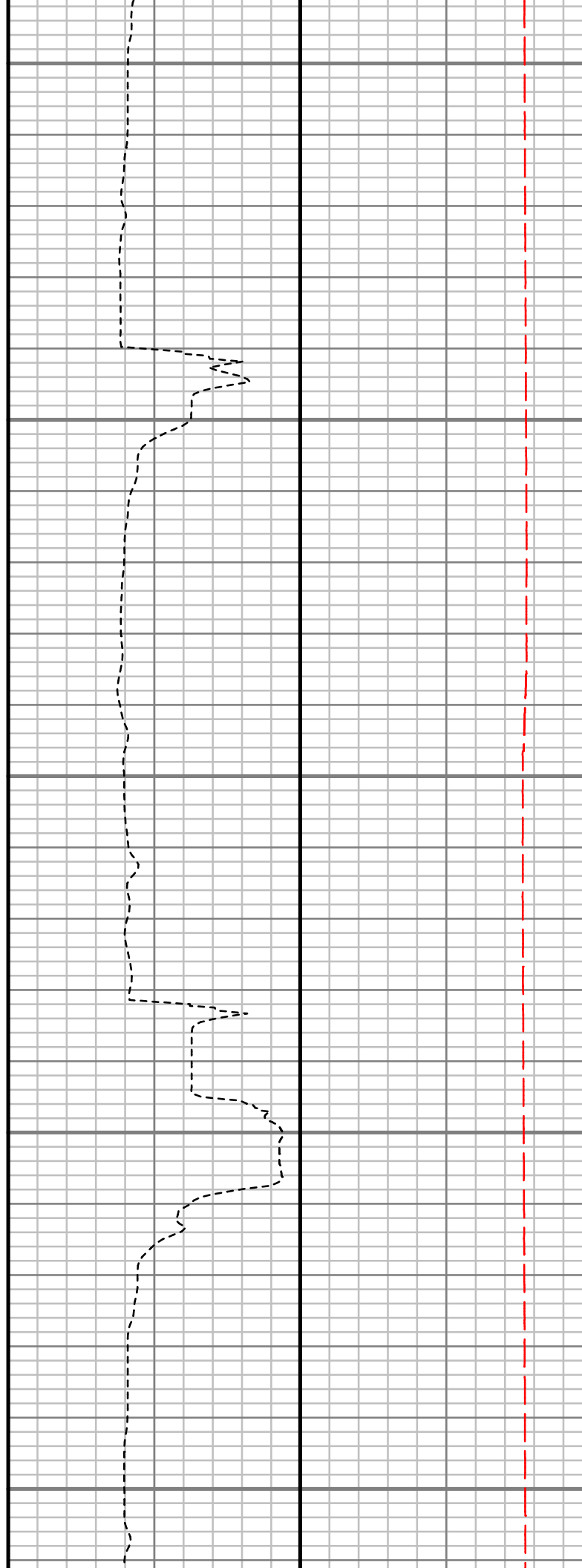
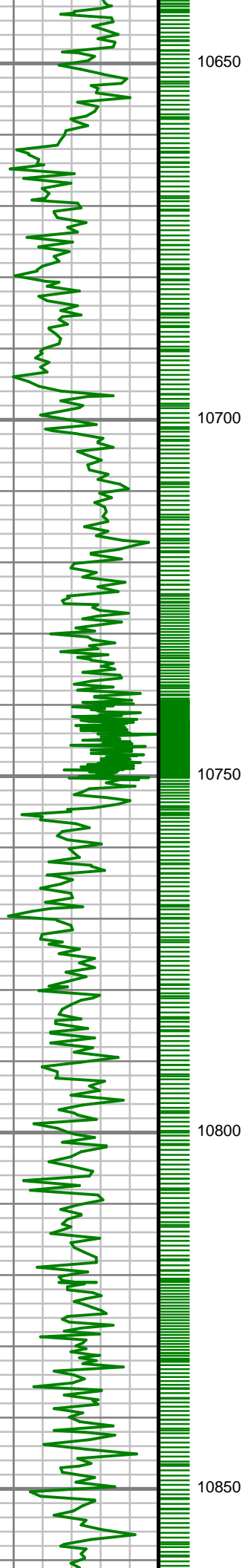
S: 109 MD: 10349.00 ft
Inc: 90.67 deg Az:
360.00 deg TVD:
7267.59 ft



S: 110 MD: 10442.00 ft
Inc: 90.91 deg Az:
359.72 deg TVD:
7266.31 ft

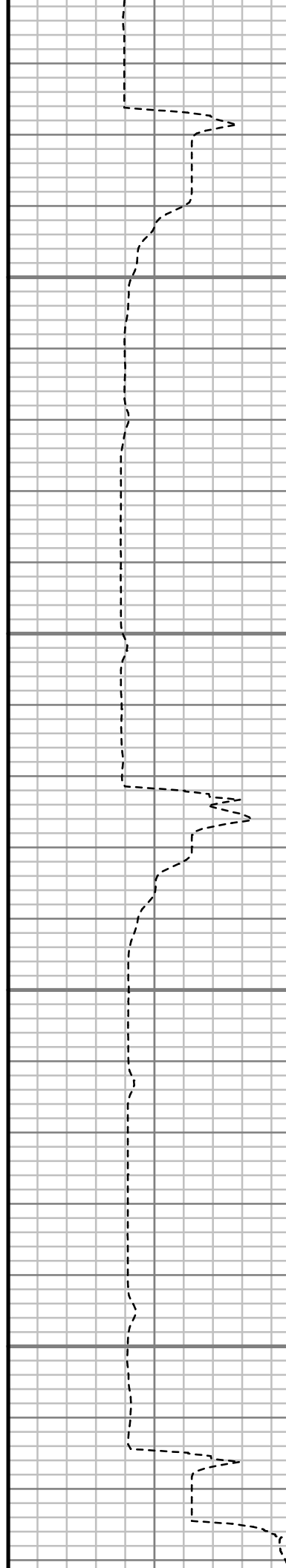
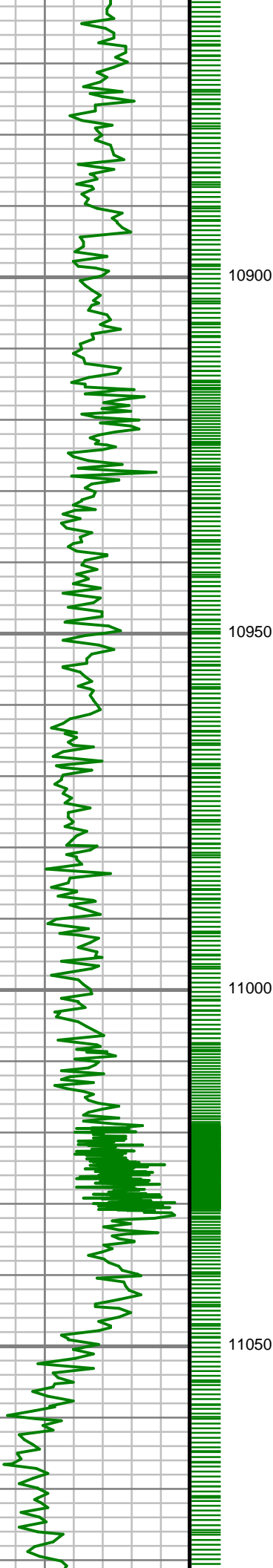
S: 111 MD: 10536.00 ft
Inc: 91.34 deg Az:
359.31 deg TVD:
7264.46 ft

S: 112 MD: 10630.00 ft
Inc: 90.13 deg Az:
359.63 deg TVD:
7263.25 ft



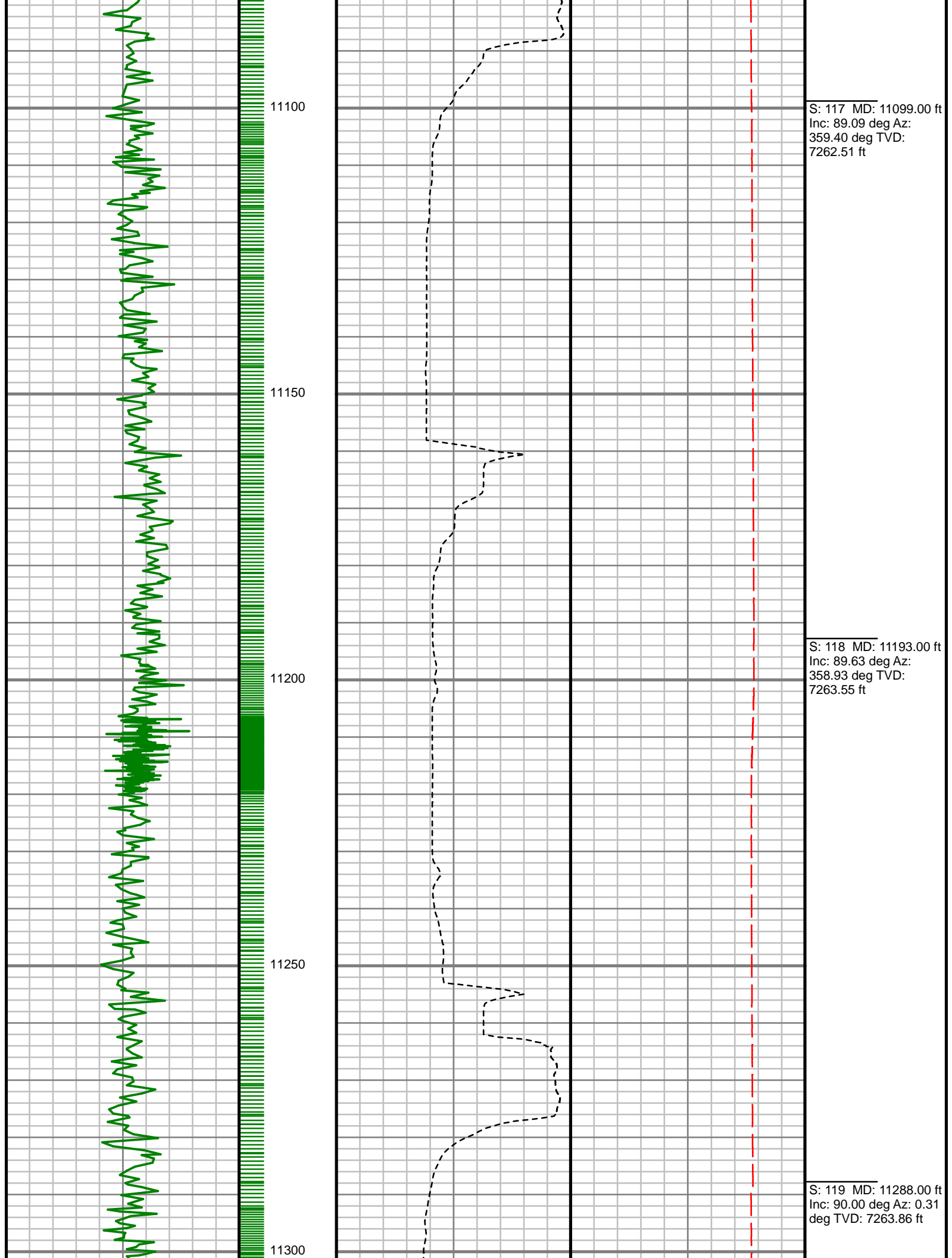
S: 113 MD: 10722.00 ft
Inc: 90.30 deg Az: 359.07 deg TVD: 7262.90 ft

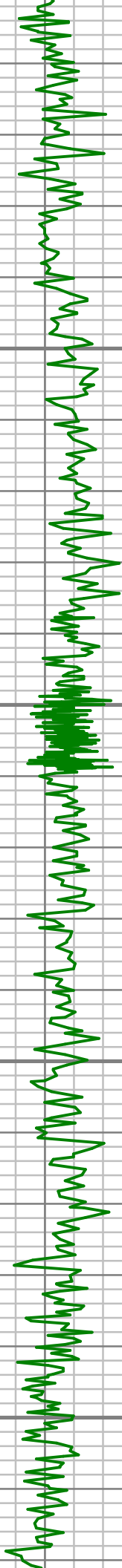
S: 114 MD: 10817.00 ft
Inc: 89.87 deg Az: 0.25 deg TVD: 7262.76 ft



S: 115 MD: 10910.00 ft
Inc: 90.00 deg Az:
359.94 deg TVD:
7262.87 ft

S: 116 MD: 11005.00 ft
Inc: 90.67 deg Az:
359.59 deg TVD:
7262.31 ft



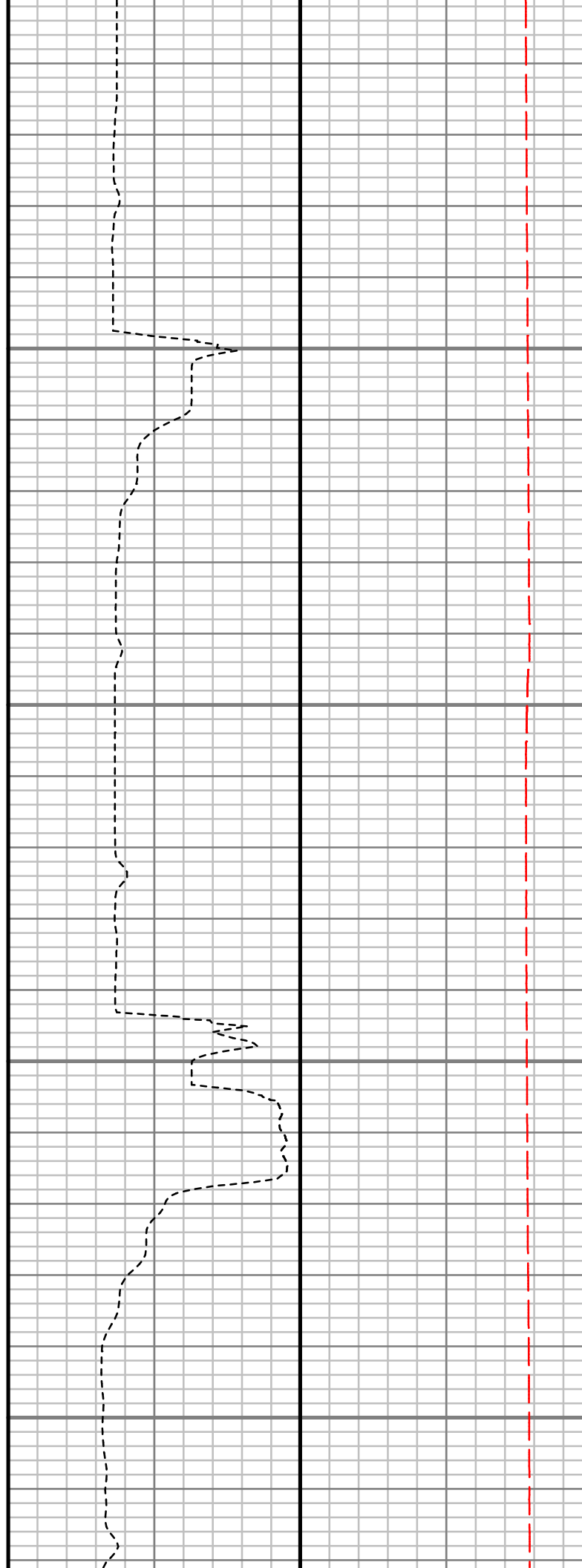


11350

11400

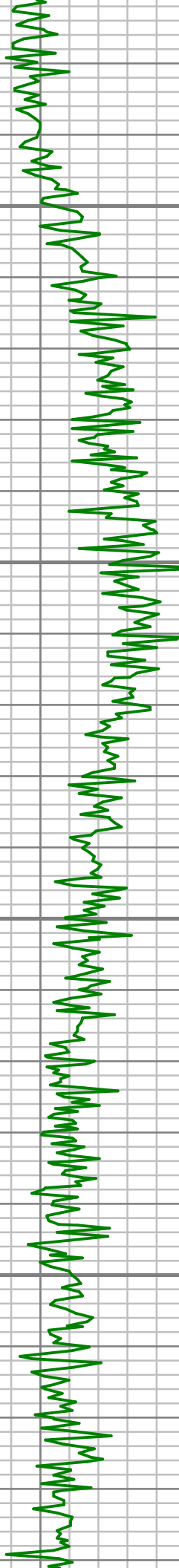
11450

11500

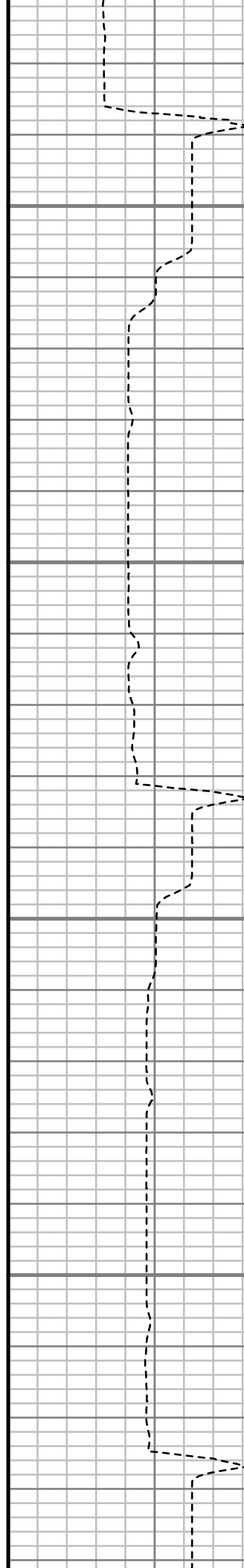


S: 120 MD: 11383.00 ft
Inc: 90.77 deg Az: 359.95 deg TVD: 7263.22 ft

S: 121 MD: 11478.00 ft
Inc: 88.86 deg Az: 0.26 deg TVD: 7263.53 ft

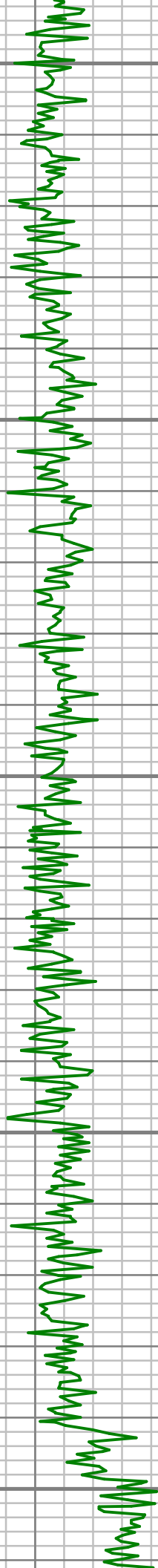


11550
11600
11650
11700



S: 122 MD: 11573.00 ft
Inc: 89.16 deg Az:
359.83 deg TVD:
7265.17 ft

S: 123 MD: 11666.00 ft
Inc: 89.53 deg Az:
359.92 deg TVD:
7266.24 ft



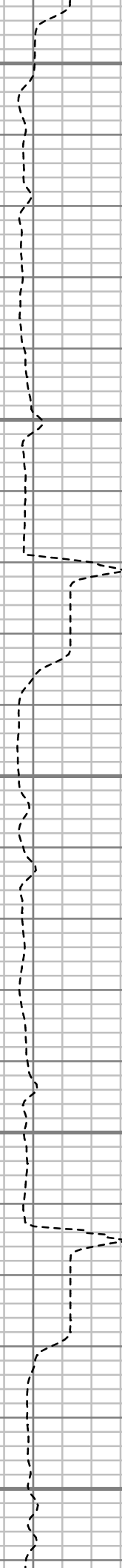
11750

11800

11850

11900

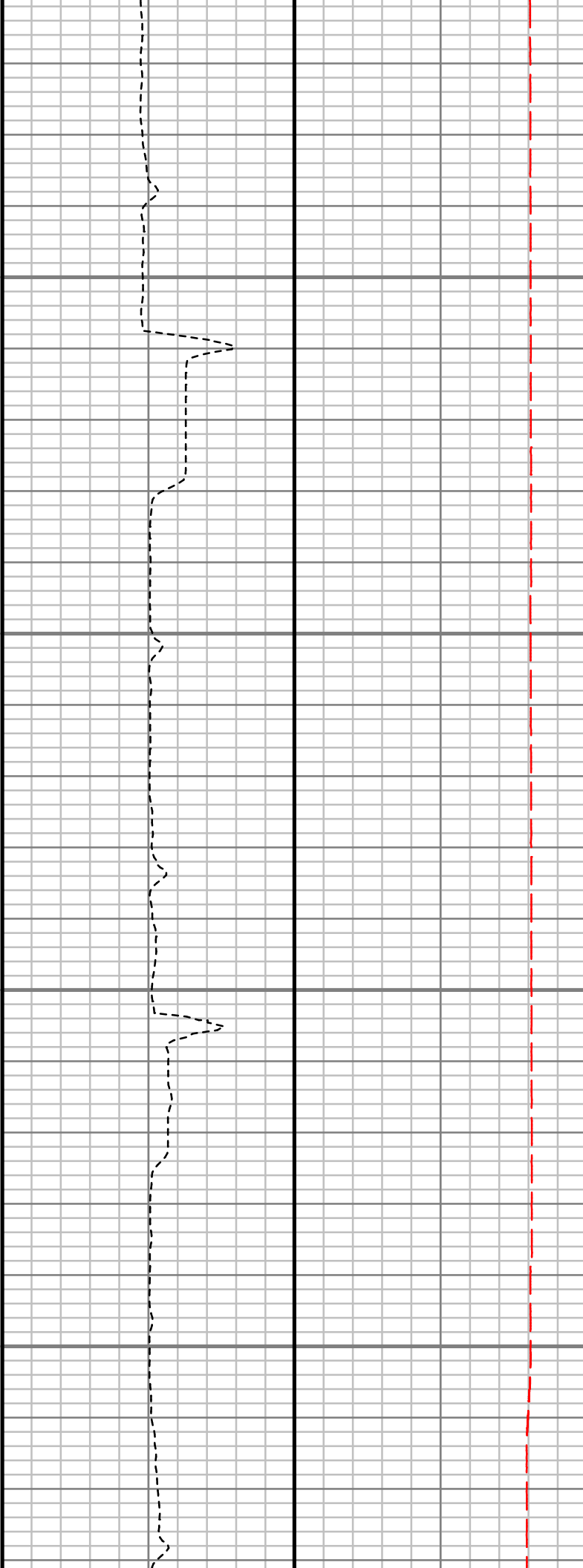
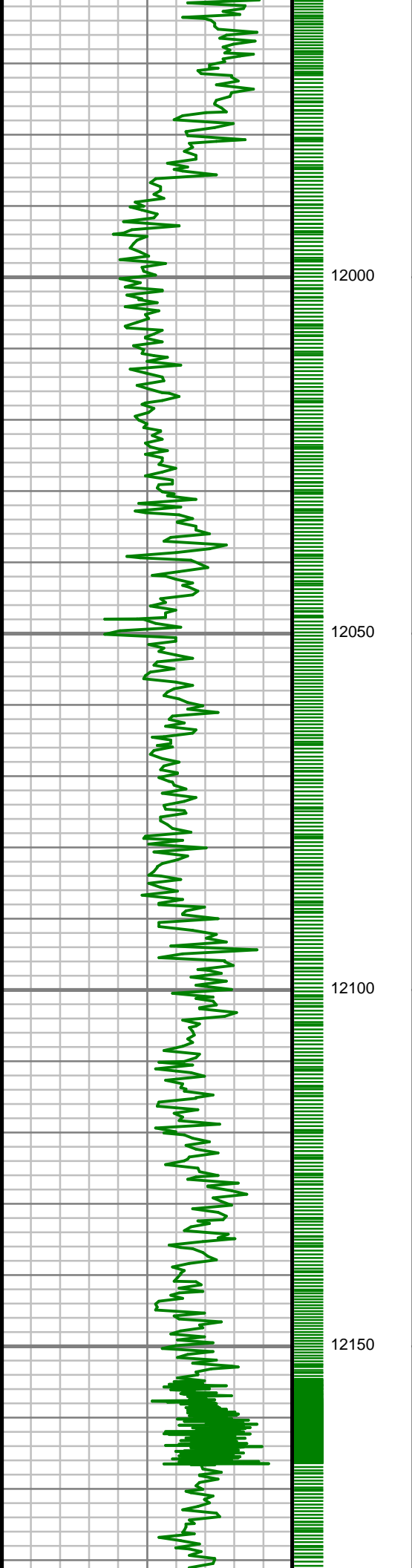
11950



S: 124 MD: 11760.00 ft
Inc: 89.23 deg Az: 0.11
deg TVD: 7267.26 ft

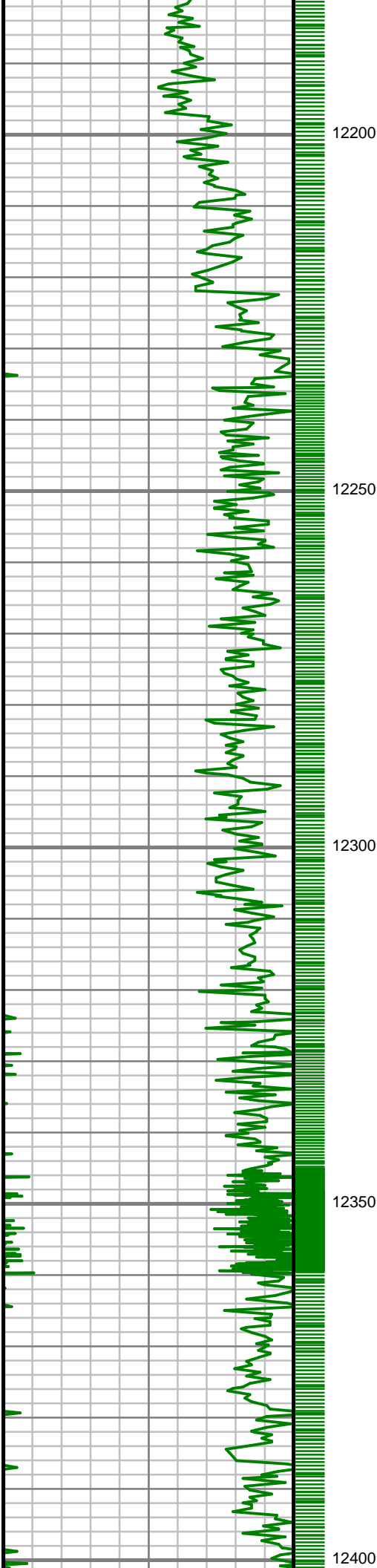
S: 125 MD: 11854.00 ft
Inc: 90.13 deg Az:
359.50 deg TVD:
7267.78 ft

S: 126 MD: 11949.00 ft
Inc: 89.93 deg Az:
359.24 deg TVD:
7267.73 ft



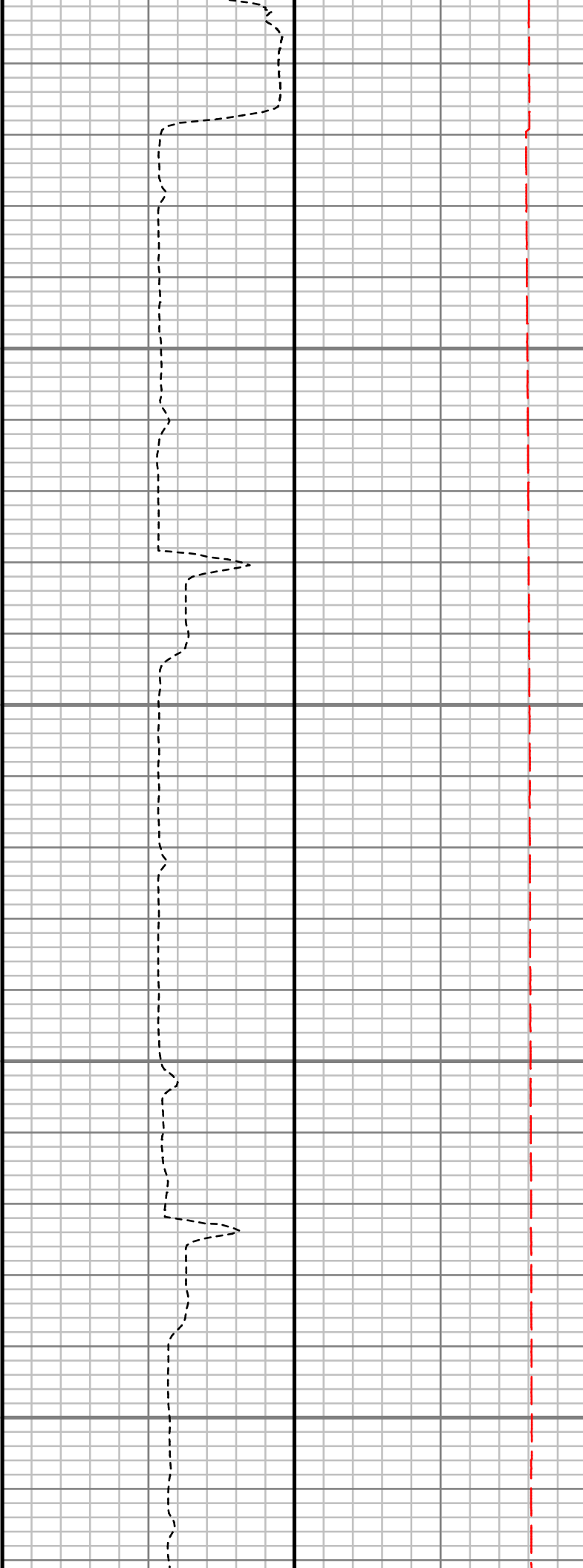
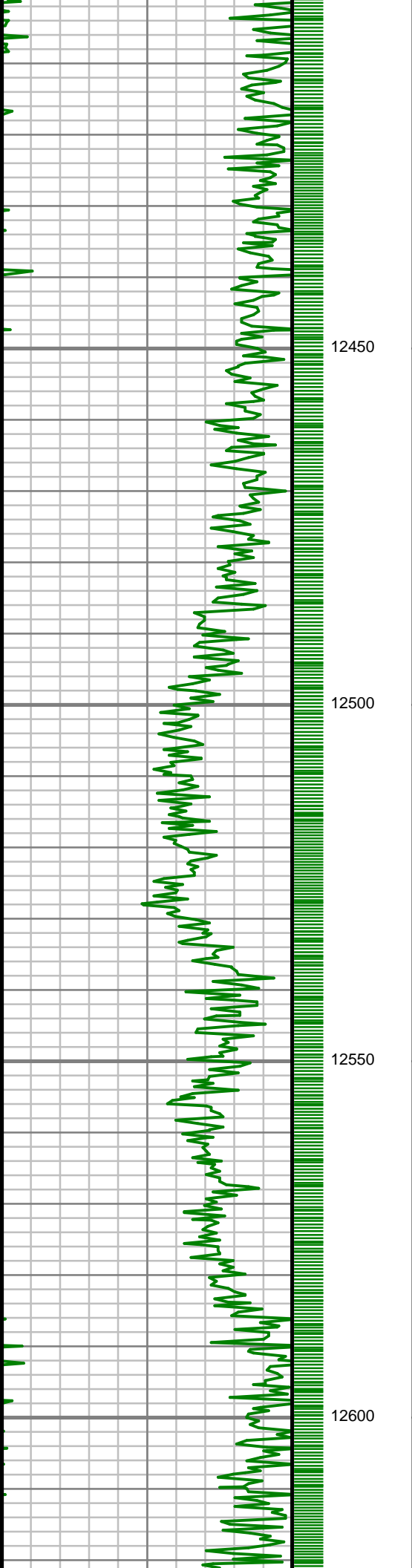
S: 127 MD: 12044.00 ft
Inc: 90.47 deg Az:
359.07 deg TVD:
7267.39 ft

S: 128 MD: 12138.00 ft
Inc: 90.97 deg Az:
358.86 deg TVD:
7266.21 ft



S: 129 MD: 12231.00 ft
Inc: 91.58 deg Az:
359.75 deg TVD:
7264.14 ft

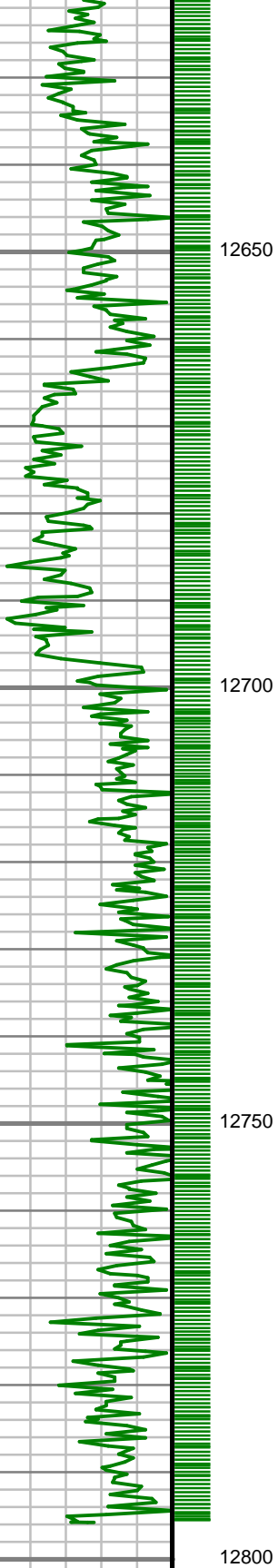
S: 130 MD: 12325.00 ft
Inc: 91.01 deg Az:
359.52 deg TVD:
7262.02 ft



S: 131 MD: 12419.00 ft
Inc: 90.20 deg Az: 1.15
deg TVD: 7261.03 ft

S: 132 MD: 12512.00 ft
Inc: 90.40 deg Az: 1.15
deg TVD: 7260.53 ft

S: 133 MD: 12604.00 ft
Inc: 90.87 deg Az: 0.60
deg TVD: 7259.51 ft



S: 134 MD: 12698.00 ft
Inc: 91.21 deg Az:
359.95 deg TVD:
7257.80 ft

S: 135 MD: 12790.00 ft
Inc: 91.28 deg Az:
359.82 deg TVD:
7255.80 ft

Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1:240 (ft)

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

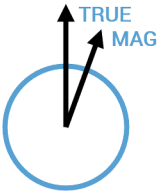
FL GREENS 3N-5HZ FL GREENS 3-5HZ

CUSTOMER ANADARKO PETROLEUM CORPORATION
PROJECT FL GREENS
FIELD WATTENBERG

WELL INFORMATION
Lat/Long 40.070124° N, 104.80569° W
Northing 14,552,327.95 ft
Easting 1,694,777.68 ft
UWI 05123422800000

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 0.31°
Calculation Method Minimum Curvature



GEOMAGNETIC REFERENCE INFORMATION Local Gravity: 999.041 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-4103 ft	ANADARKO MAGVAR	20 Jun 2017	8.18°	add 8.18°
4103-6115 ft	ANADARKO MAGVAR	20 Jun 2017	8.19°	add 8.19°
6115-8746 ft	ANADARKO MAGVAR	20 Jun 2017	8.20°	add 8.2°
8746-10700 ft	ANADARKO	20 Jun 2017	8.20°	add 8.2°

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	0.41	167.55	215.00	-0.75	-0.75	0.17	0.19
307.00	0.55	166.69	306.99	-1.50	-1.50	0.34	0.15
400.00	0.81	155.05	399.99	-2.53	-2.53	0.72	0.32
494.00	1.09	158.50	493.98	-3.96	-3.97	1.33	0.30
587.00	1.53	156.34	586.95	-5.92	-5.93	2.15	0.48
680.00	0.64	124.01	679.93	-7.34	-7.35	3.08	1.13
773.00	1.11	38.44	772.93	-6.92	-6.94	4.07	1.33
867.00	1.71	24.79	866.90	-4.93	-4.95	5.22	0.73
961.00	2.81	16.34	960.82	-1.43	-1.47	6.46	1.22
1056.00	3.73	28.57	1055.67	3.53	3.48	8.59	1.21
1151.00	4.69	27.78	1150.41	9.69	9.63	11.88	1.01
1246.00	5.44	34.02	1245.04	16.89	16.80	16.21	0.98
1339.00	6.54	42.22	1337.53	24.49	24.37	22.24	1.50
1434.00	7.30	48.94	1431.84	32.51	32.35	30.42	1.17
1528.00	9.00	50.49	1524.89	41.17	40.95	40.60	1.82
1622.00	11.24	47.19	1617.42	52.14	51.85	52.99	2.46
1717.00	12.60	49.49	1710.37	65.24	64.88	67.66	1.52
1810.00	13.62	47.08	1800.95	79.37	78.92	83.40	1.24
1833.00	13.61	47.85	1823.30	83.05	82.58	87.38	0.79

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1943.00	15.88	52.41	1929.67	101.04	100.45	108.91	2.32
2037.00	17.11	53.31	2019.80	117.26	116.56	130.19	1.34
2131.00	18.45	54.14	2109.31	134.36	133.53	153.33	1.44
2225.00	19.76	55.85	2198.13	152.13	151.17	178.54	1.52
2318.00	20.15	60.42	2285.56	169.01	167.90	205.48	1.73
2412.00	19.24	59.54	2374.06	185.00	183.75	232.91	1.03
2506.00	18.23	59.19	2463.08	200.53	199.13	258.89	1.07
2600.00	19.20	58.95	2552.10	216.17	214.64	284.76	1.03
2693.00	18.99	57.67	2639.99	232.29	230.62	310.65	0.50
2785.00	19.52	59.20	2726.84	248.31	246.49	336.50	0.80
2880.00	17.89	58.73	2816.82	264.16	262.20	362.61	1.73
2974.00	18.38	61.12	2906.15	278.95	276.85	387.93	0.95
3069.00	20.46	63.62	2995.74	293.71	291.46	415.93	2.36
3162.00	19.39	63.05	3083.17	308.08	305.68	444.25	1.17
3257.00	17.45	62.81	3173.30	321.88	319.34	470.98	2.04
3352.00	18.12	60.16	3263.76	335.88	333.20	496.47	1.11
3445.00	19.00	59.24	3351.92	350.96	348.14	522.03	1.00
3539.00	17.40	58.44	3441.21	366.28	363.33	547.16	1.73
3634.00	17.35	61.44	3531.88	380.62	377.54	571.70	0.95
3727.00	17.62	60.86	3620.58	394.24	391.02	596.18	0.34

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3820.00	18.13	60.22	3709.09	408.42	405.06	621.03	0.59
3915.00	18.69	62.62	3799.23	422.90	419.40	647.38	0.99
4009.00	18.81	61.92	3888.24	437.11	433.47	674.12	0.27
4103.00	19.12	60.47	3977.14	451.98	448.19	700.89	0.60
4197.00	17.37	58.89	4066.41	466.95	463.03	726.30	1.94
4291.00	17.48	59.98	4156.10	481.39	477.34	750.54	0.37
4384.00	17.42	59.74	4244.82	495.53	491.34	774.65	0.10
4479.00	16.19	59.57	4335.76	509.53	505.22	798.36	1.29
4573.00	14.13	59.00	4426.48	522.19	517.77	819.50	2.20
4666.00	11.82	57.40	4517.10	533.27	528.74	837.26	2.52
4760.00	10.88	54.75	4609.26	543.65	539.05	852.61	1.14
4854.00	9.37	52.16	4701.80	553.54	548.86	865.90	1.67
4949.00	8.50	50.13	4795.64	562.85	558.11	877.39	0.98
5043.00	7.43	52.58	4888.74	571.05	566.25	887.55	1.20
5137.00	5.46	54.82	4982.14	577.36	572.52	896.03	2.11
5262.00	3.05	61.05	5106.78	582.44	577.56	903.81	1.96
5357.00	1.41	51.69	5201.71	584.41	579.51	906.94	1.76
5452.00	1.01	39.88	5296.69	585.78	580.88	908.40	0.50
5547.00	1.04	15.06	5391.67	587.26	582.35	909.15	0.46
5641.00	0.90	93.73	5485.66	588.04	583.12	910.12	1.31

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5735.00	0.90	70.00	5579.65	588.25	583.32	911.55	0.39
5830.00	0.62	210.03	5674.65	588.06	583.14	911.99	1.50
5925.00	0.74	189.33	5769.64	587.01	582.08	911.63	0.29
6020.00	0.84	188.63	5864.63	585.71	580.79	911.43	0.10
6115.00	0.69	198.19	5959.62	584.48	579.56	911.14	0.20
6209.00	1.32	205.06	6053.61	582.95	578.04	910.51	0.68
6303.00	0.57	251.44	6147.60	581.82	576.91	909.60	1.08
6396.00	0.48	242.54	6240.59	581.48	576.58	908.81	0.13
6488.00	0.61	230.89	6332.59	580.99	576.09	908.09	0.18
6583.00	0.65	231.72	6427.58	580.34	575.44	907.28	0.04
6678.00	0.77	228.34	6522.57	579.58	574.68	906.38	0.14
6772.00	0.64	207.86	6616.57	578.69	573.80	905.66	0.30
6866.00	3.95	353.35	6710.50	581.43	576.54	905.04	4.77
6960.00	13.25	5.93	6803.35	595.40	590.51	905.78	10.05
7055.00	22.20	11.21	6893.75	623.92	619.00	910.41	9.56
7149.00	29.63	3.74	6978.26	664.62	659.68	915.38	8.62
7244.00	37.94	5.72	7057.15	717.23	712.27	919.84	8.83
7338.00	50.23	3.86	7124.54	782.31	777.32	925.17	13.14
7432.00	58.79	0.06	7179.08	858.73	853.72	927.65	9.69
7527.00	66.95	0.22	7222.36	943.20	938.20	927.86	8.58

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7621.00	75.68	359.77	7252.45	1032.16	1027.16	927.83	9.30
7715.00	85.33	359.05	7267.94	1124.75	1119.75	926.87	10.29
7807.00	88.55	356.81	7272.85	1216.52	1211.54	923.55	4.27
7902.00	88.32	357.33	7275.44	1311.33	1306.38	918.69	0.60
7997.00	89.19	359.24	7277.51	1406.25	1401.31	915.85	2.21
8091.00	89.70	358.64	7278.42	1500.22	1495.29	914.11	0.83
8185.00	89.60	0.59	7279.00	1594.20	1589.28	913.48	2.08
8278.00	89.19	0.93	7279.98	1687.19	1682.27	914.72	0.57
8372.00	88.89	1.26	7281.55	1781.17	1776.24	916.51	0.47
8465.00	90.74	1.26	7281.85	1874.15	1869.21	918.55	1.99
8560.00	90.54	0.48	7280.79	1969.14	1964.19	919.99	0.85
8653.00	90.34	0.62	7280.08	2062.14	2057.19	920.88	0.26
8746.00	90.54	0.42	7279.37	2155.14	2150.18	921.72	0.30
8840.00	90.74	0.19	7278.32	2249.13	2244.17	922.22	0.33
8935.00	89.53	0.02	7278.10	2344.13	2339.17	922.40	1.29
9029.00	89.53	359.87	7278.87	2438.12	2433.17	922.31	0.16
9123.00	89.12	359.00	7279.97	2532.10	2527.16	921.39	1.03
9217.00	89.56	359.94	7281.05	2626.09	2621.14	920.52	1.10
9310.00	89.93	0.55	7281.46	2719.09	2714.14	920.91	0.76
9405.00	90.57	1.22	7281.04	2814.08	2809.13	922.37	0.98

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9499.00	90.54	1.08	7280.13	2908.06	2903.11	924.25	0.16
9594.00	89.02	0.84	7280.50	3003.05	2998.09	925.84	1.61
9687.00	90.44	0.68	7280.93	3096.05	3091.08	927.07	1.53
9781.00	90.60	0.47	7280.08	3190.04	3185.07	928.01	0.28
9874.00	91.31	0.10	7278.53	3283.03	3278.05	928.47	0.86
9969.00	91.61	359.87	7276.10	3378.00	3373.02	928.44	0.40
10063.00	91.75	0.24	7273.35	3471.96	3466.98	928.53	0.43
10158.00	90.87	0.08	7271.17	3566.93	3561.96	928.80	0.94
10253.00	91.38	359.66	7269.31	3661.91	3656.94	928.58	0.69
10349.00	90.67	0.00	7267.59	3757.89	3752.92	928.29	0.82
10442.00	90.91	359.72	7266.31	3850.88	3845.91	928.06	0.39
10536.00	91.34	359.31	7264.46	3944.85	3939.89	927.26	0.64
10630.00	90.13	359.63	7263.25	4038.83	4033.88	926.39	1.33
10722.00	90.30	359.07	7262.90	4130.81	4125.87	925.35	0.63
10817.00	89.87	0.25	7262.76	4225.81	4220.86	924.79	1.32
10910.00	90.00	359.94	7262.87	4318.81	4313.86	924.95	0.37
11005.00	90.67	359.59	7262.31	4413.80	4408.86	924.56	0.79
11099.00	89.09	359.40	7262.51	4507.79	4502.85	923.73	1.69
11193.00	89.63	358.93	7263.55	4601.76	4596.84	922.36	0.76
11288.00	90.00	0.31	7263.86	4696.75	4691.83	921.73	1.50

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11383.00	90.77	359.95	7263.22	4791.75	4786.83	921.95	0.90
11478.00	88.86	0.26	7263.53	4886.74	4881.82	922.13	2.05
11573.00	89.16	359.83	7265.17	4981.73	4976.81	922.21	0.56
11666.00	89.53	359.92	7266.24	5074.72	5069.80	922.00	0.41
11760.00	89.23	0.11	7267.26	5168.71	5163.80	922.03	0.38
11854.00	90.13	359.50	7267.78	5262.70	5257.79	921.70	1.16
11949.00	89.93	359.24	7267.73	5357.69	5352.79	920.65	0.35
12044.00	90.47	359.07	7267.39	5452.67	5447.78	919.26	0.59
12138.00	90.97	358.86	7266.21	5546.64	5541.75	917.56	0.58
12231.00	91.58	359.75	7264.14	5639.60	5634.72	916.43	1.16
12325.00	91.01	359.52	7262.02	5733.57	5728.70	915.83	0.65
12419.00	90.20	1.15	7261.03	5827.56	5822.69	916.37	1.93
12512.00	90.40	1.15	7260.53	5920.55	5915.67	918.24	0.22
12604.00	90.87	0.60	7259.51	6012.54	6007.65	919.65	0.78
12698.00	91.21	359.95	7257.80	6106.52	6101.63	920.10	0.78
12790.00	91.28	359.82	7255.80	6198.50	6193.61	919.91	0.16

5" = 100' MD