





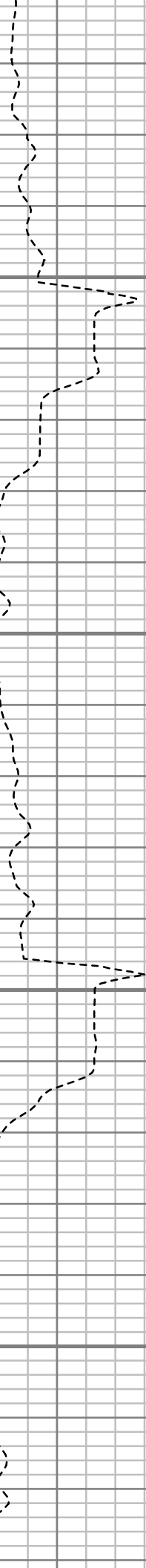


2000

2050

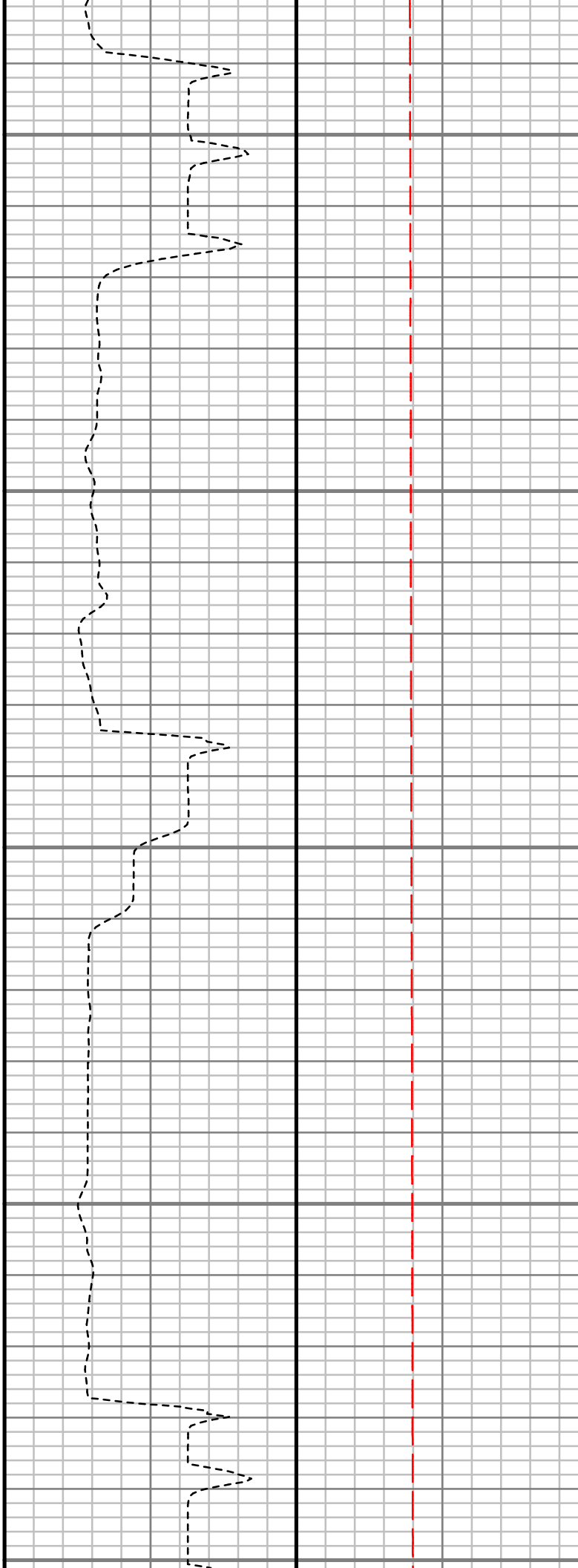
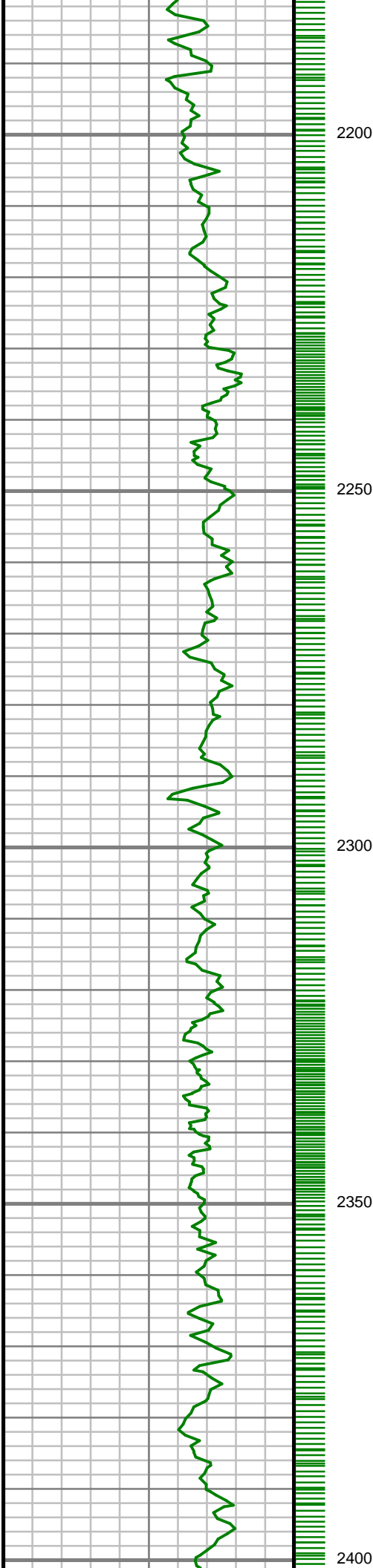
2100

2150



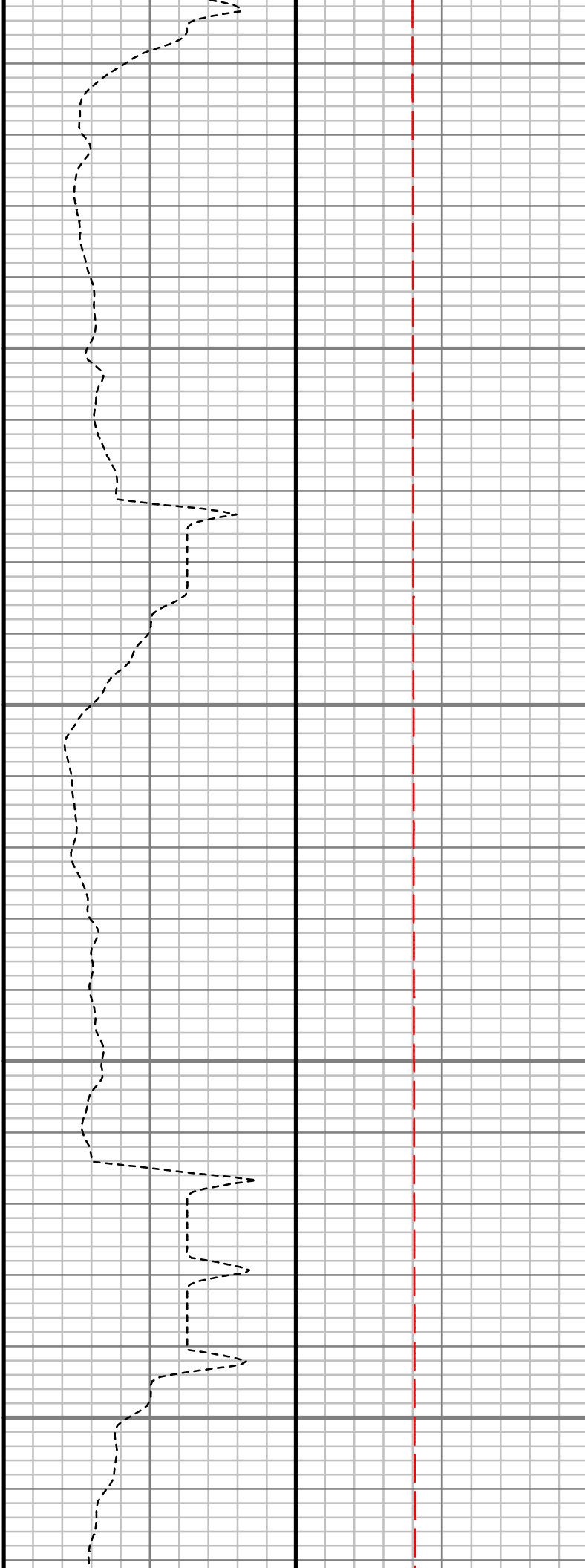
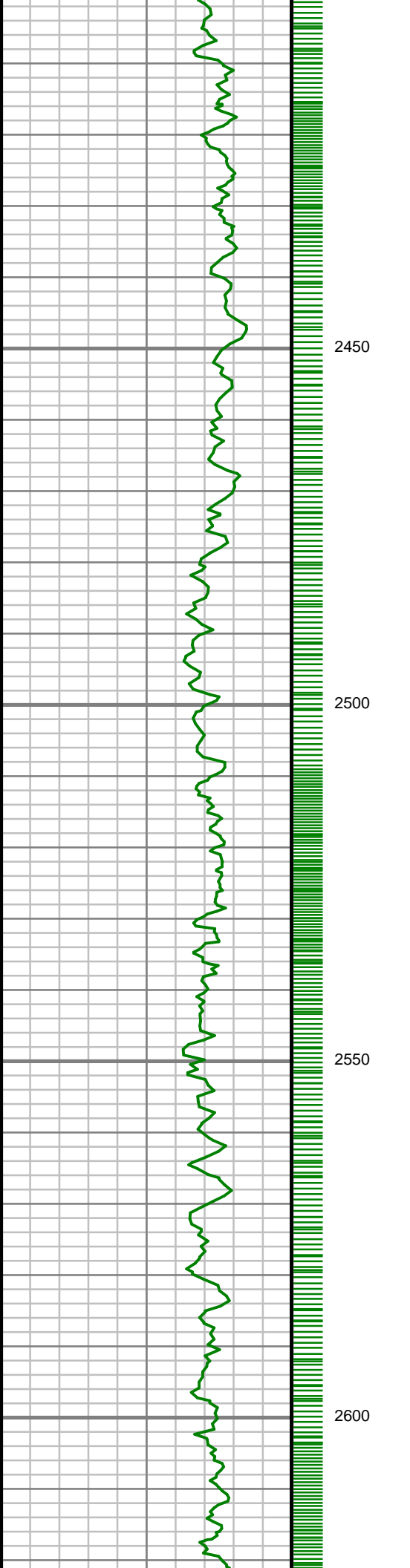
S: 21 MD: 2037.00 ft  
Inc: 14.50 deg Az:  
13.39 deg TVD:  
2008.04 ft

S: 22 MD: 2131.00 ft  
Inc: 13.78 deg Az:  
12.53 deg TVD:  
2099.19 ft



S: 23 MD: 2224.00 ft  
Inc: 14.63 deg Az:  
13.43 deg TVD:  
2189.34 ft

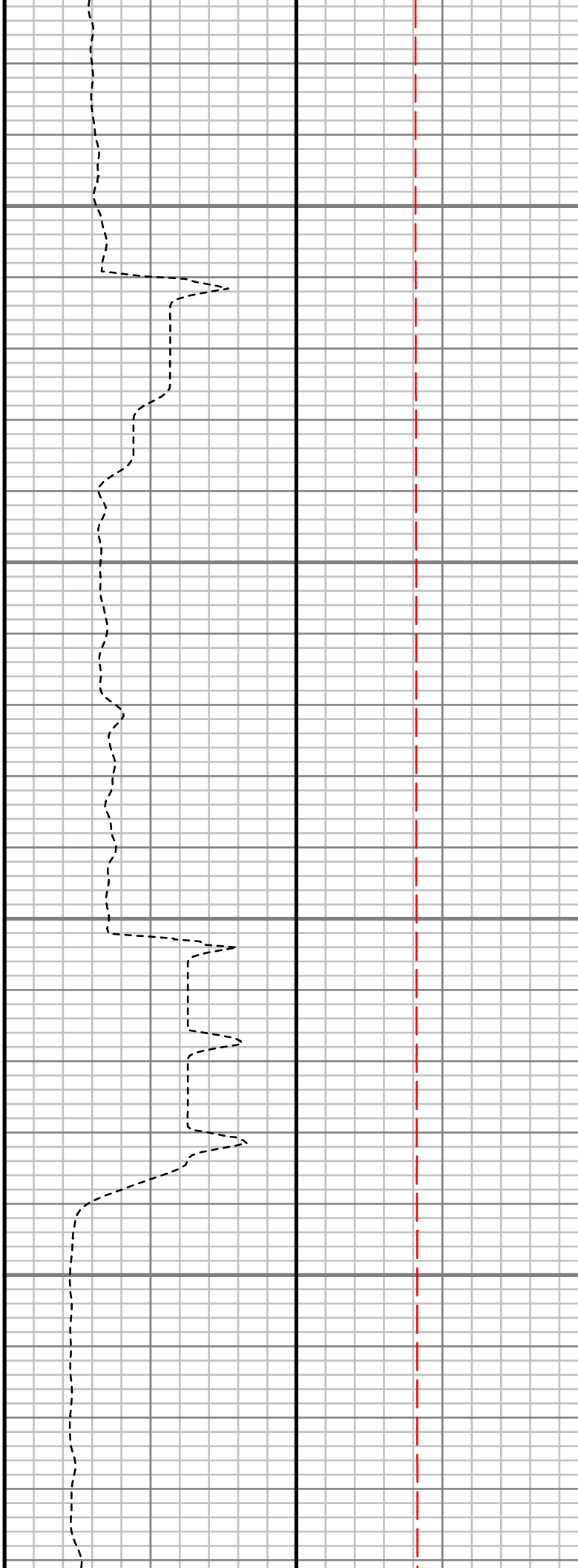
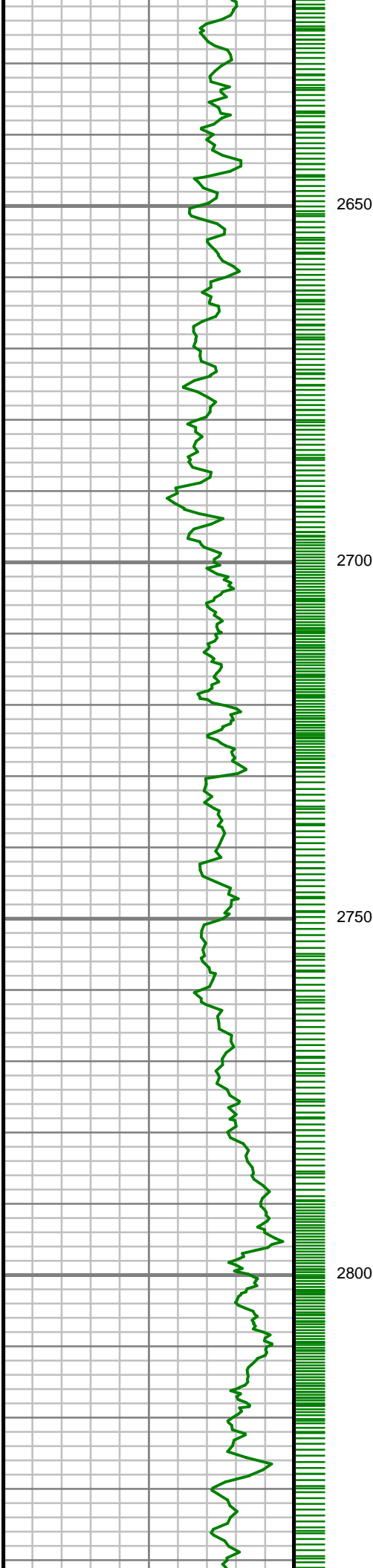
S: 24 MD: 2318.00 ft  
Inc: 13.65 deg Az:  
12.61 deg TVD:  
2280.49 ft



S: 25 MD: 2412.00 ft  
Inc: 14.55 deg Az:  
16.56 deg TVD:  
2371.66 ft

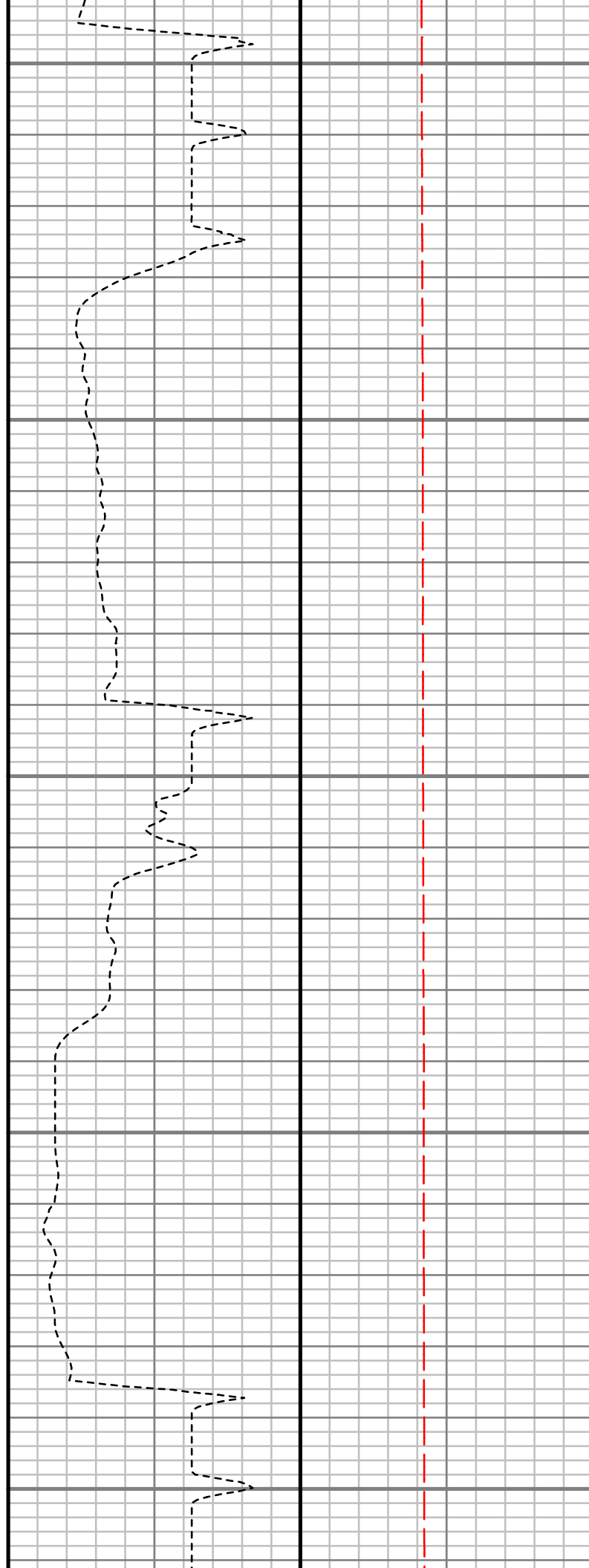
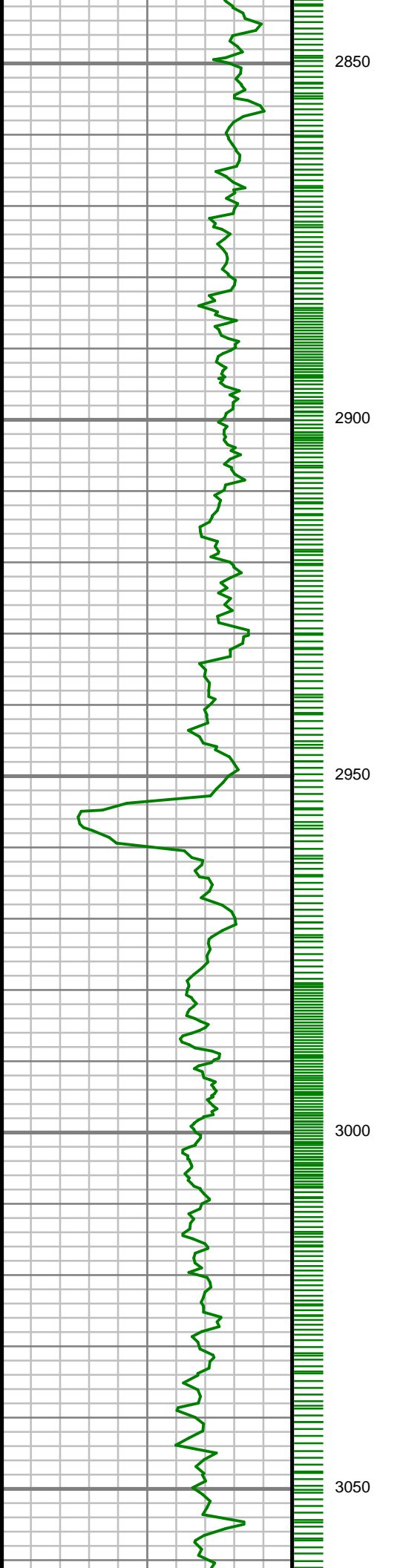
S: 26 MD: 2506.00 ft  
Inc: 14.07 deg Az:  
15.87 deg TVD:  
2462.75 ft

S: 27 MD: 2600.00 ft  
Inc: 14.66 deg Az:  
16.96 deg TVD:  
2553.81 ft



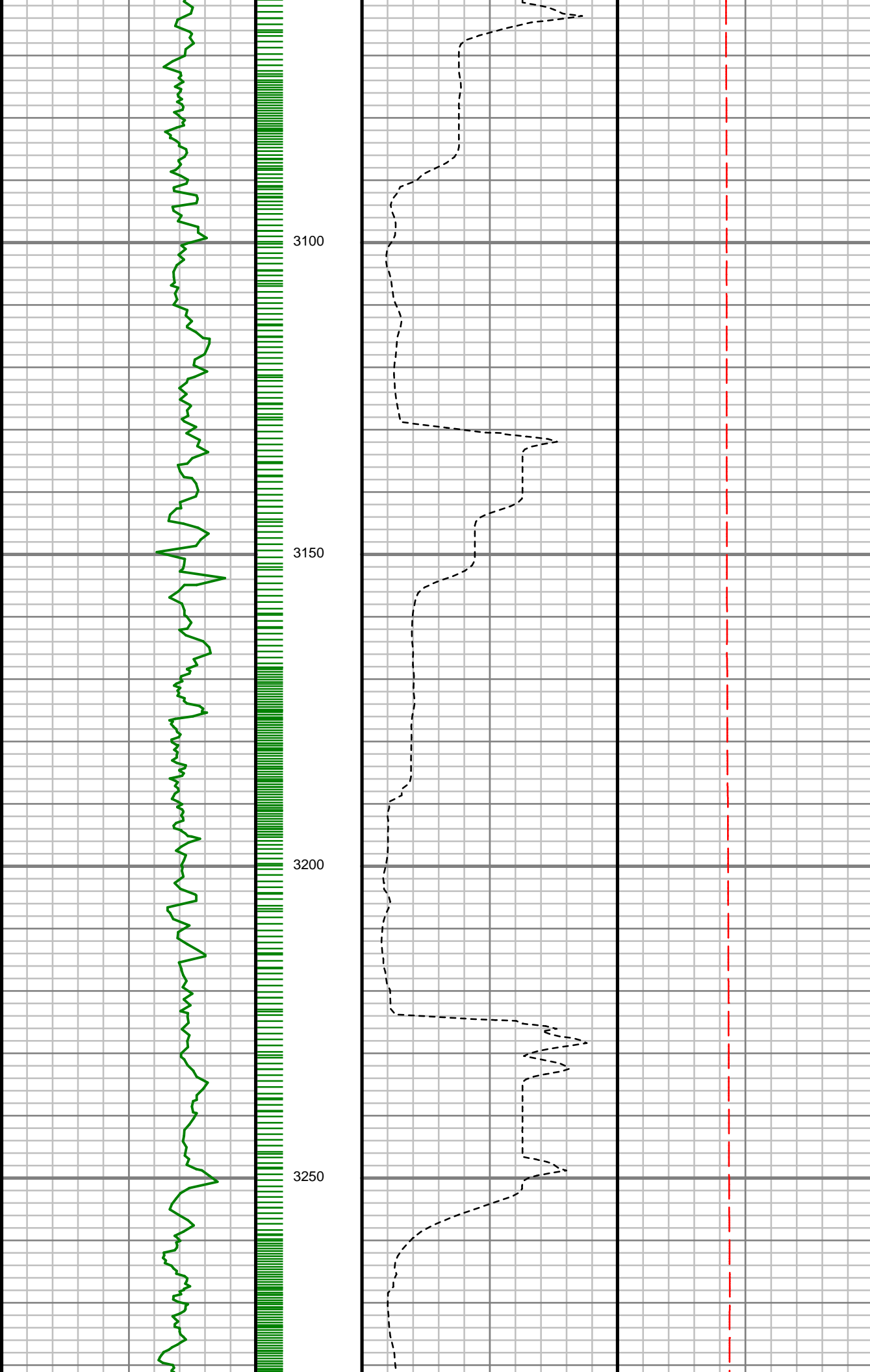
S: 28 MD: 2692.00 ft  
Inc: 14.07 deg Az:  
16.27 deg TVD:  
2642.93 ft

S: 29 MD: 2785.00 ft  
Inc: 14.34 deg Az:  
15.83 deg TVD:  
2733.09 ft



S: 30 MD: 2880.00 ft  
Inc: 15.21 deg Az:  
14.70 deg TVD:  
2824.95 ft

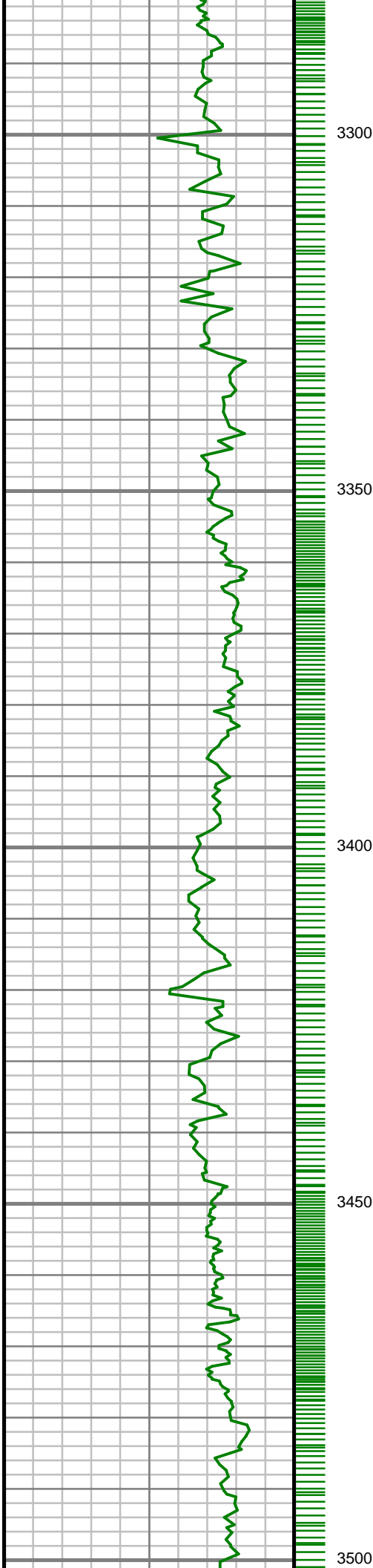
S: 31 MD: 2974.00 ft  
Inc: 14.65 deg Az:  
14.36 deg TVD:  
2915.77 ft



S: 32 MD: 3069.00 ft  
Inc: 15.42 deg Az:  
16.40 deg TVD:  
3007.52 ft

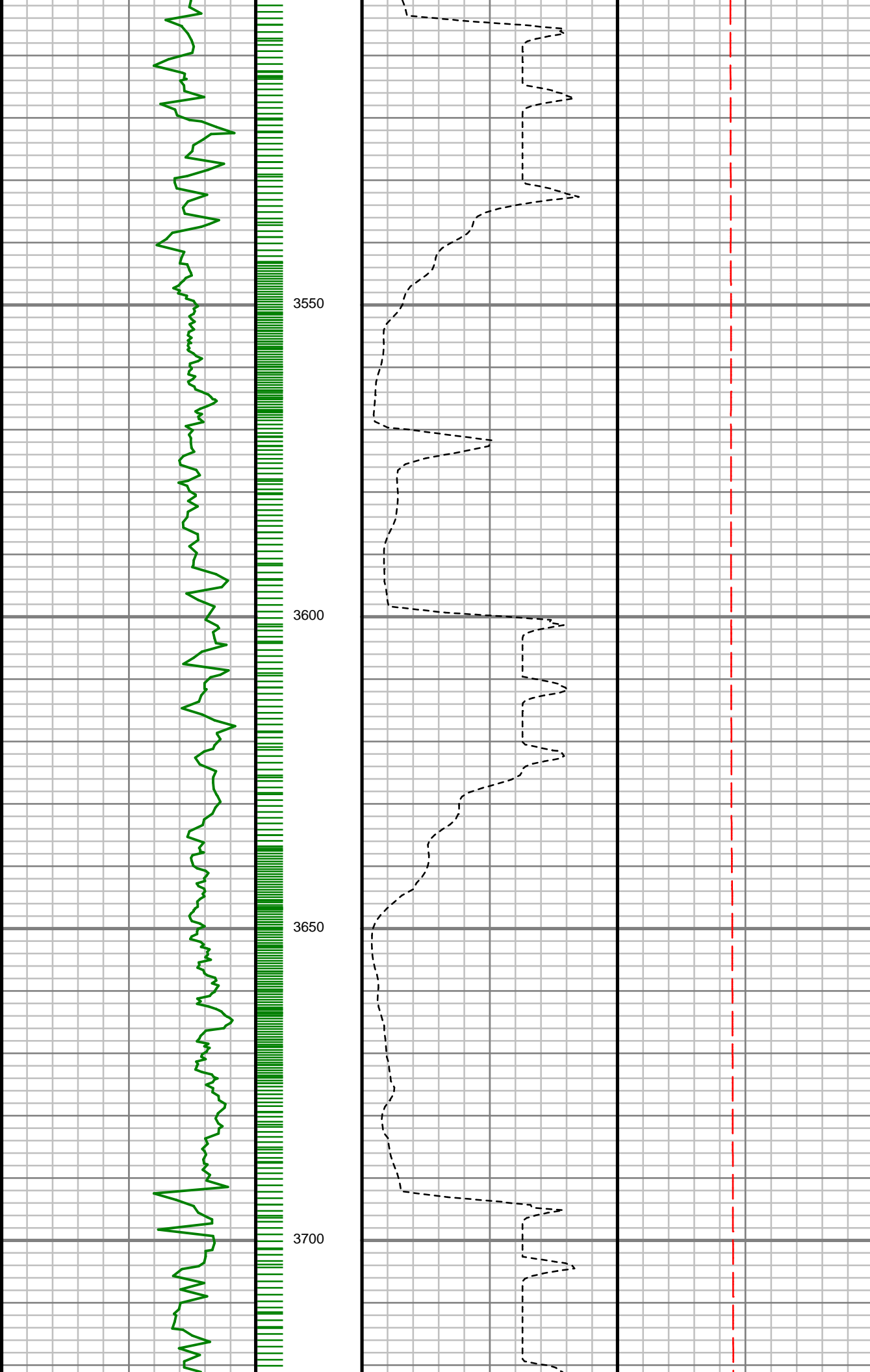
S: 33 MD: 3162.00 ft  
Inc: 13.85 deg Az:  
14.84 deg TVD:  
3097.50 ft

S: 34 MD: 3257.00 ft  
Inc: 14.30 deg Az:  
15.72 deg TVD:  
3189.65 ft



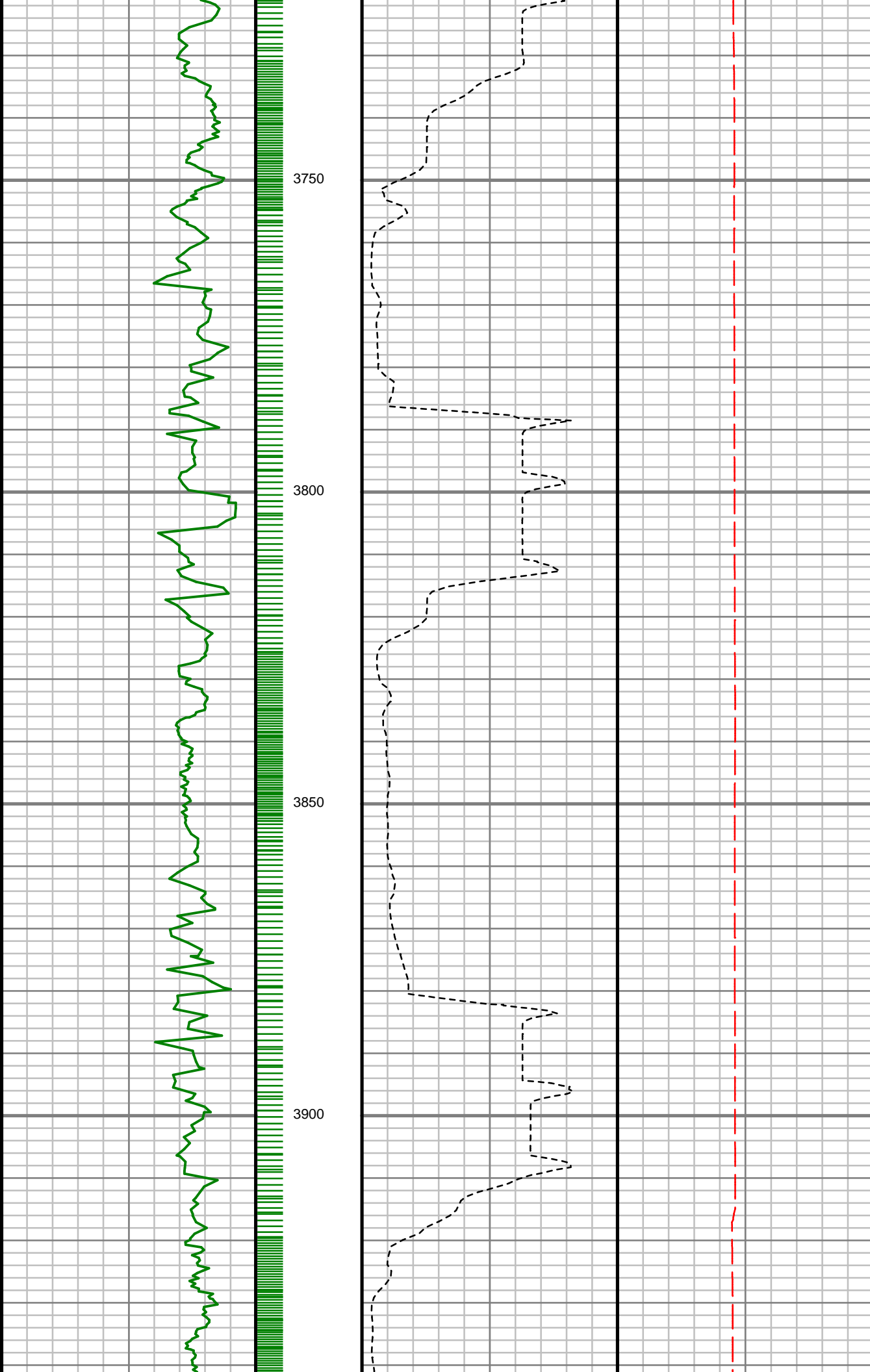
S: 35 MD: 3352.00 ft  
Inc: 15.63 deg Az:  
14.46 deg TVD:  
3281.42 ft

S: 36 MD: 3445.00 ft  
Inc: 14.27 deg Az:  
13.65 deg TVD:  
3371.27 ft



S: 37 MD: 3539.00 ft  
Inc: 14.65 deg Az:  
12.61 deg TVD:  
3462.30 ft

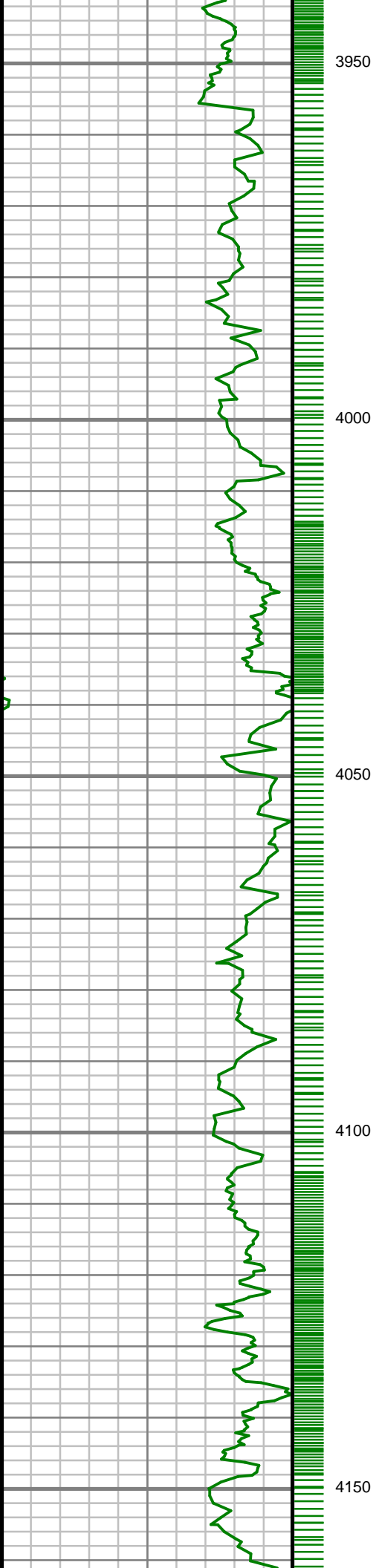
S: 38 MD: 3634.00 ft  
Inc: 13.62 deg Az:  
11.68 deg TVD:  
3554.42 ft



S: 39 MD: 3727.00 ft  
Inc: 14.21 deg Az:  
15.49 deg TVD:  
3644.70 ft

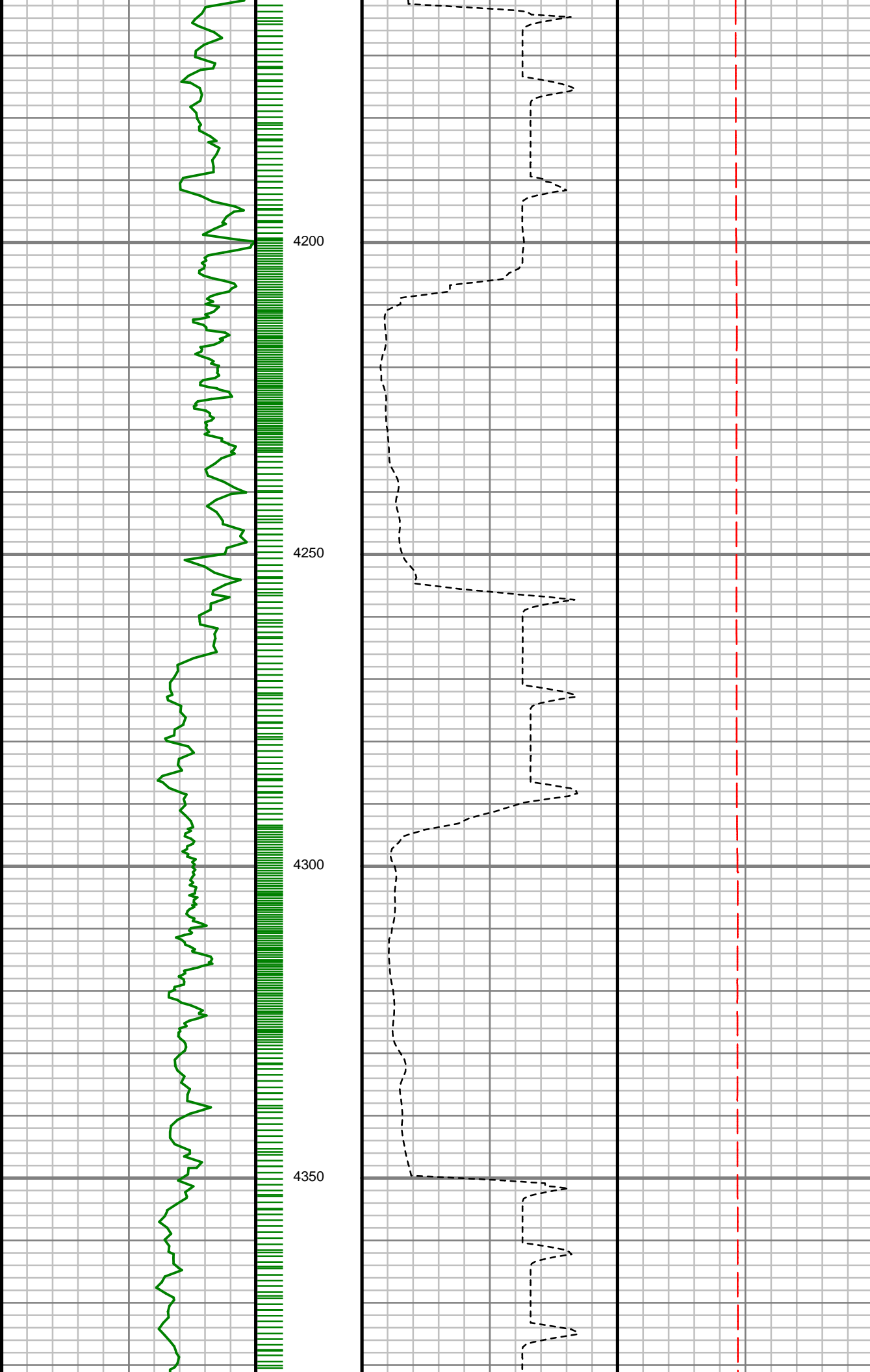
S: 40 MD: 3820.00 ft  
Inc: 14.86 deg Az:  
13.40 deg TVD:  
3734.72 ft

S: 41 MD: 3915.00 ft  
Inc: 14.66 deg Az:  
13.75 deg TVD:  
3826.59 ft



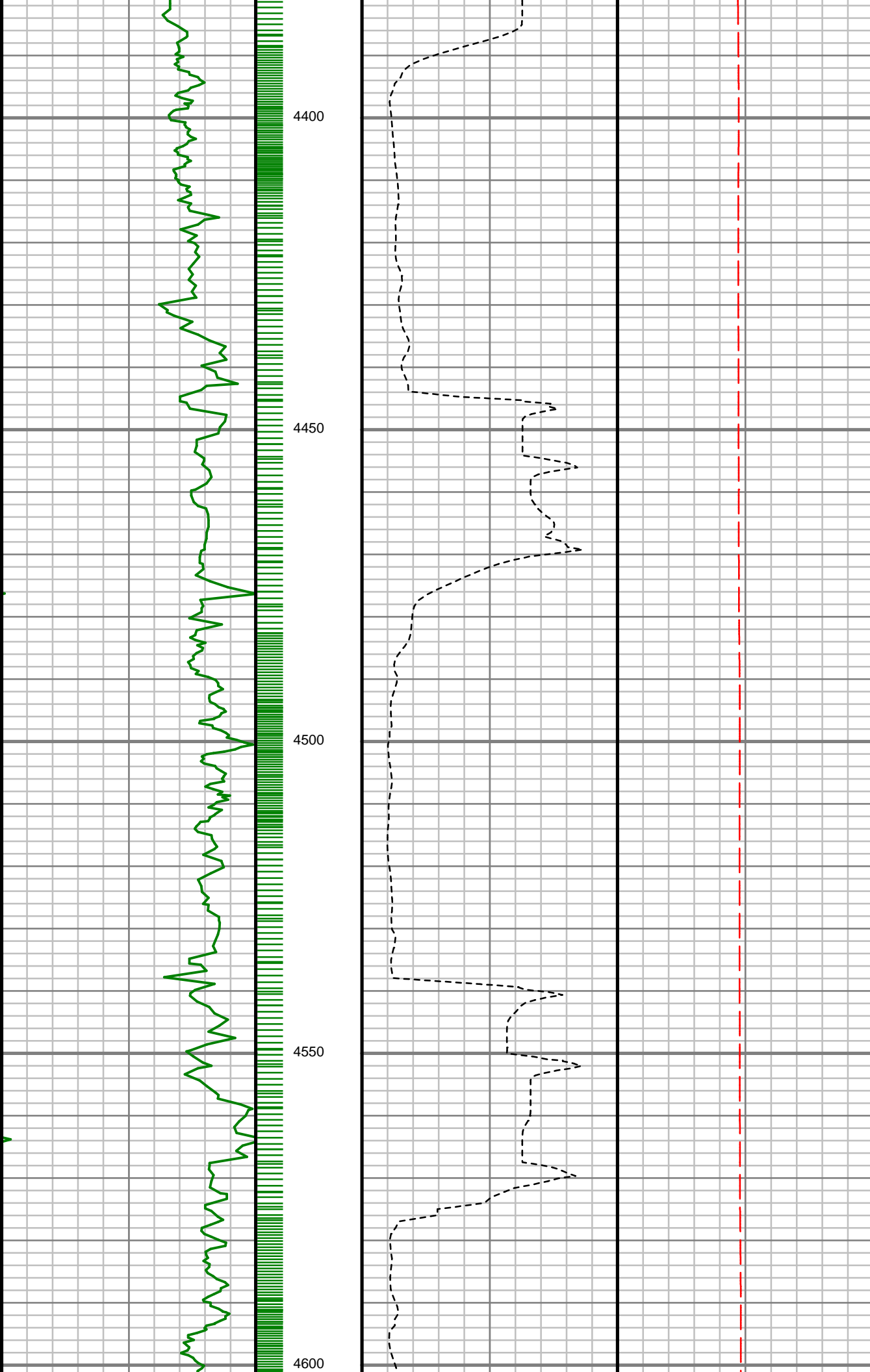
S: 42 MD: 4009.00 ft  
Inc: 13.97 deg Az:  
11.92 deg TVD:  
3917.67 ft

S: 43 MD: 4103.00 ft  
Inc: 14.39 deg Az:  
12.57 deg TVD:  
4008.80 ft



S: 44 MD: 4197.00 ft  
Inc: 14.43 deg Az:  
12.98 deg TVD:  
4099.84 ft

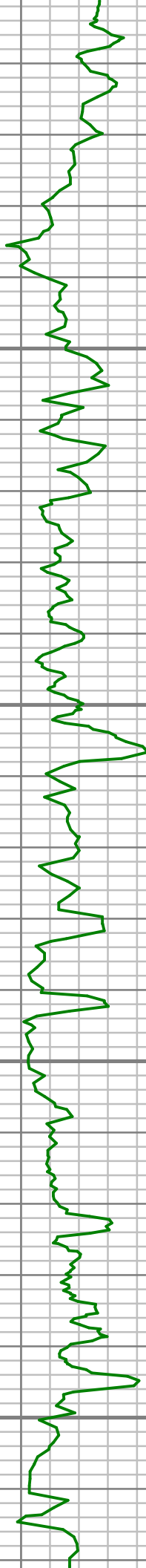
S: 45 MD: 4291.00 ft  
Inc: 14.57 deg Az:  
11.10 deg TVD:  
4190.85 ft



S: 46 MD: 4384.00 ft  
Inc: 14.65 deg Az: 9.78  
deg TVD: 4280.84 ft

S: 47 MD: 4479.00 ft  
Inc: 13.67 deg Az: 7.51  
deg TVD: 4372.96 ft

S: 48 MD: 4572.00 ft  
Inc: 13.25 deg Az:  
14.29 deg TVD:  
4463.41 ft

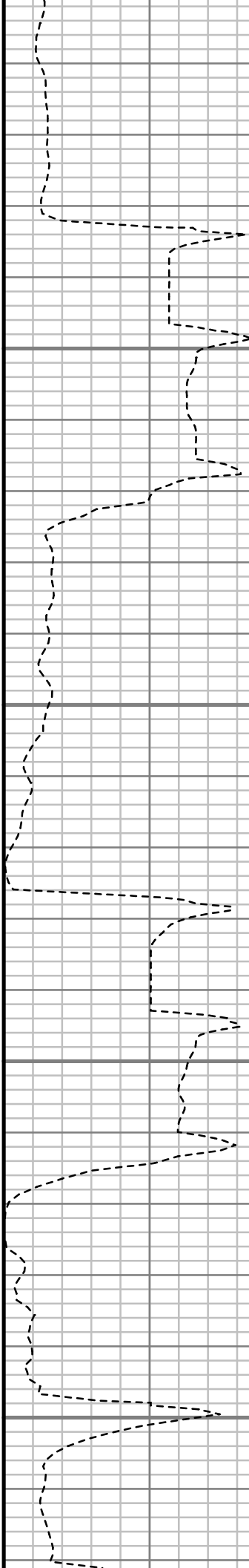


4650

4700

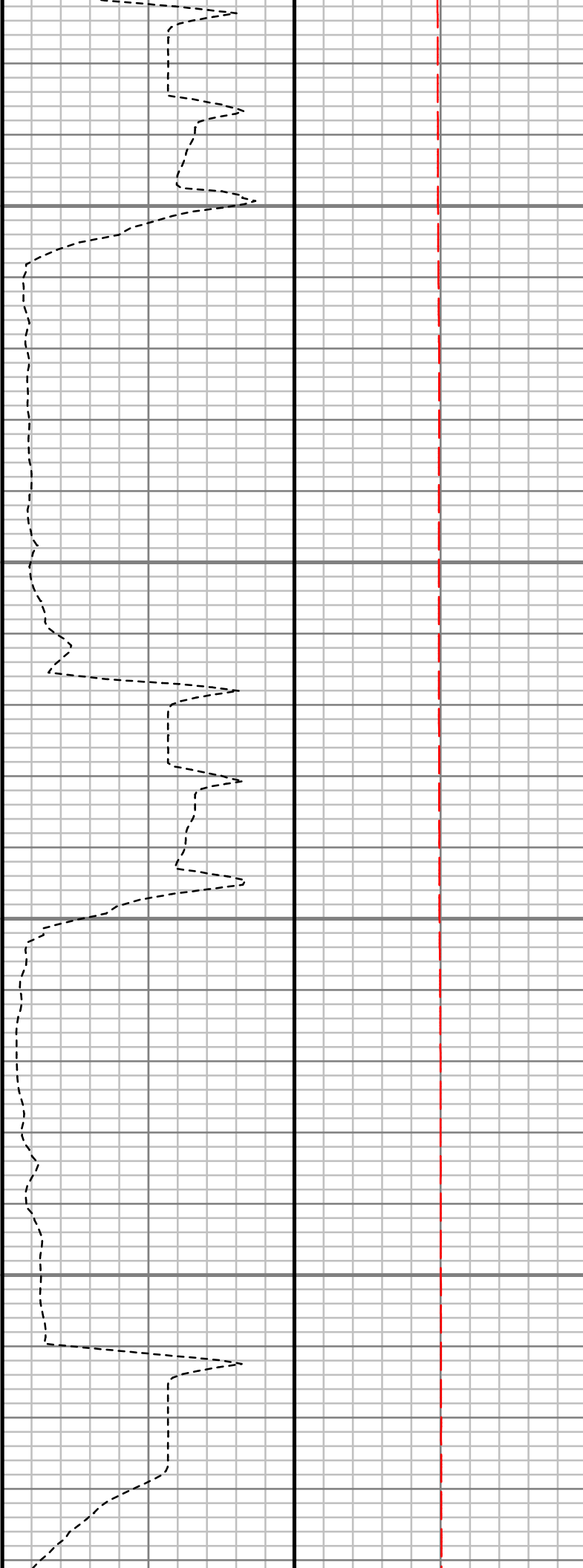
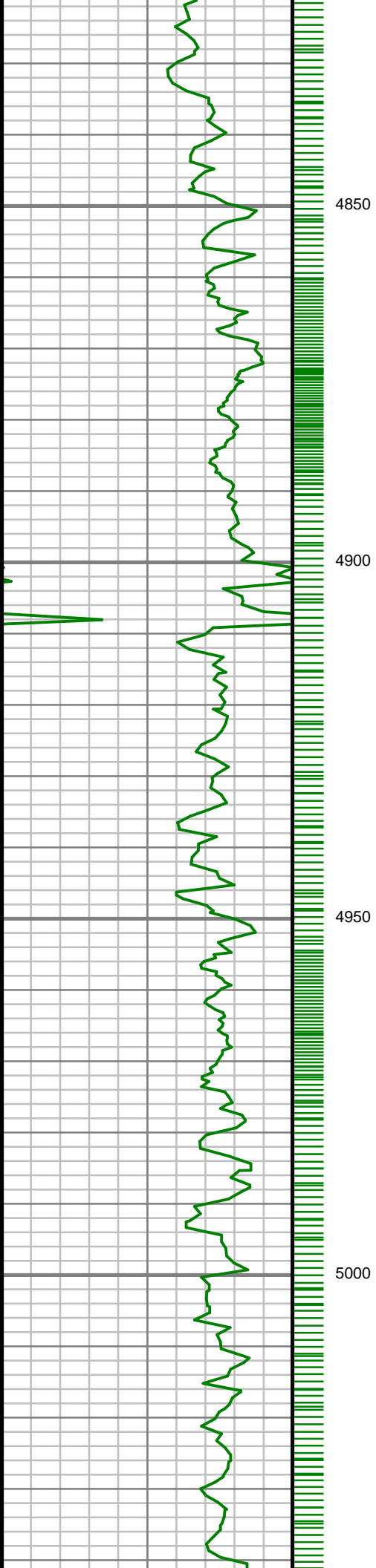
4750

4800



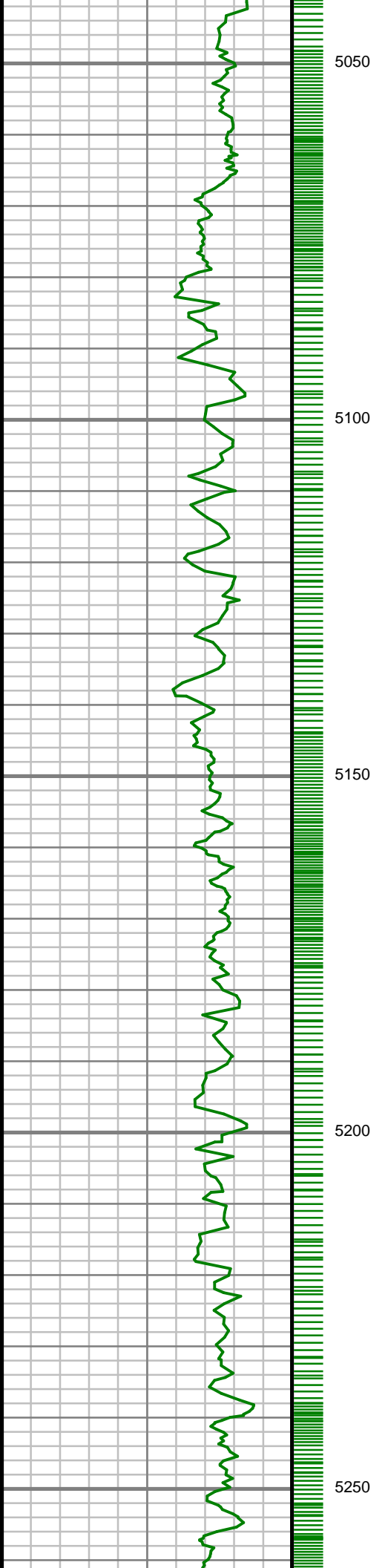
S: 49 MD: 4666.00 ft  
Inc: 13.78 deg Az:  
11.27 deg TVD:  
4554.81 ft

S: 50 MD: 4760.00 ft  
Inc: 14.61 deg Az:  
15.55 deg TVD:  
4645.94 ft



S: 51 MD: 4854.00 ft  
Inc: 14.42 deg Az:  
17.85 deg TVD:  
4736.94 ft

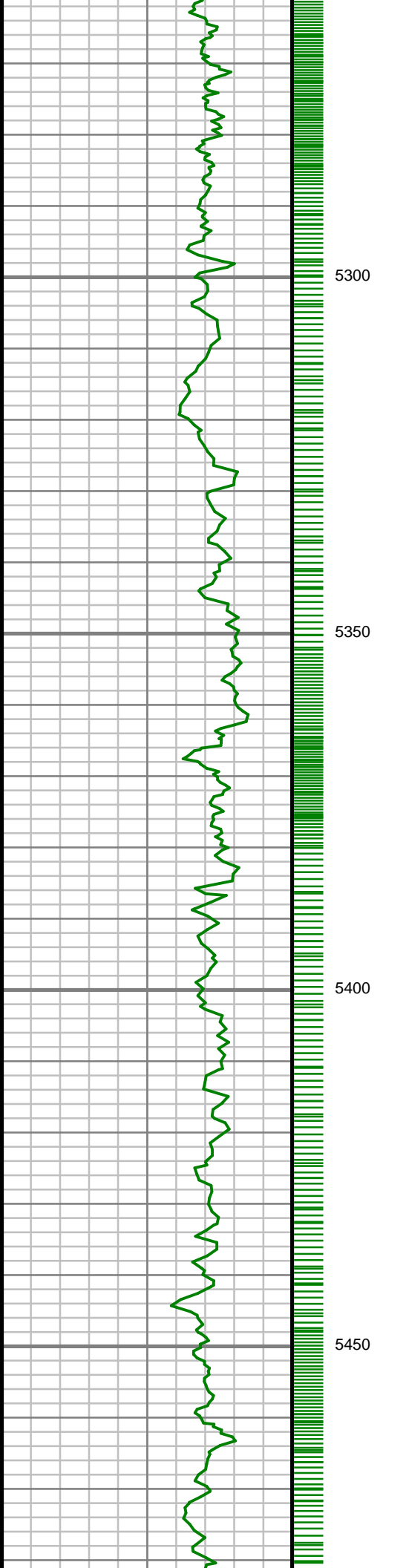
S: 52 MD: 4949.00 ft  
Inc: 15.82 deg Az:  
20.31 deg TVD:  
4828.64 ft



S: 53 MD: 5043.00 ft  
Inc: 14.06 deg Az:  
17.73 deg TVD:  
4919.46 ft

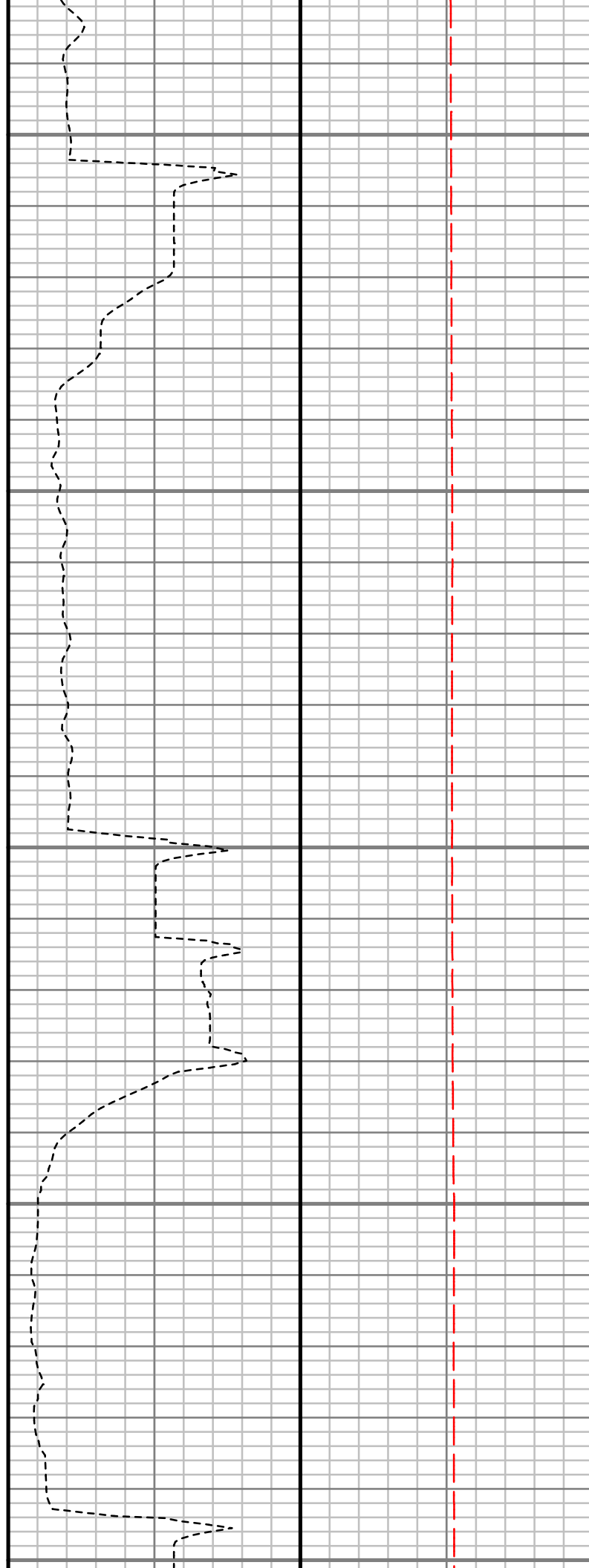
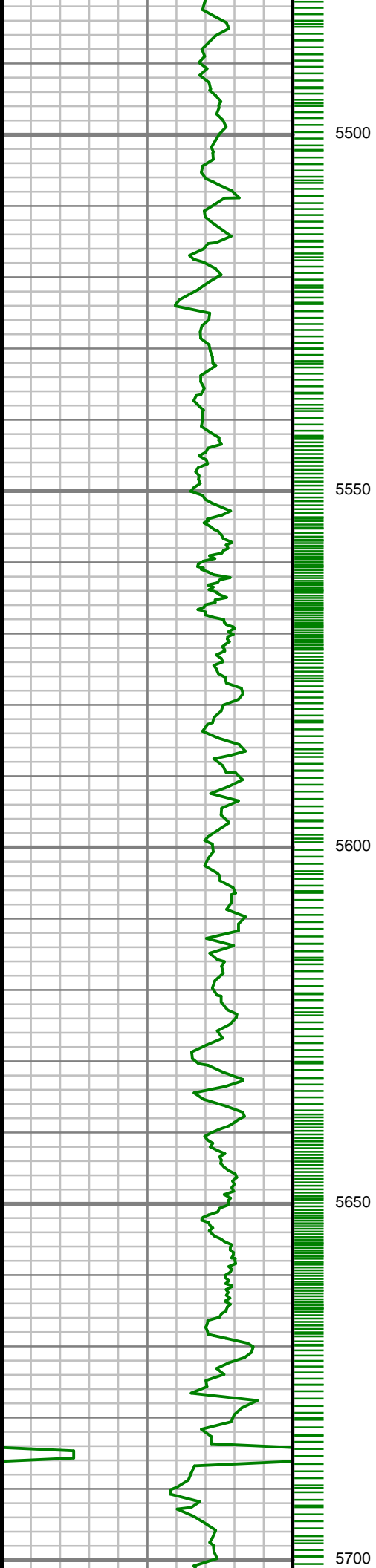
S: 54 MD: 5137.00 ft  
Inc: 14.98 deg Az:  
14.29 deg TVD:  
5010.46 ft

S: 55 MD: 5254.00 ft  
Inc: 13.72 deg Az: 7.17  
deg TVD: 5123.82 ft



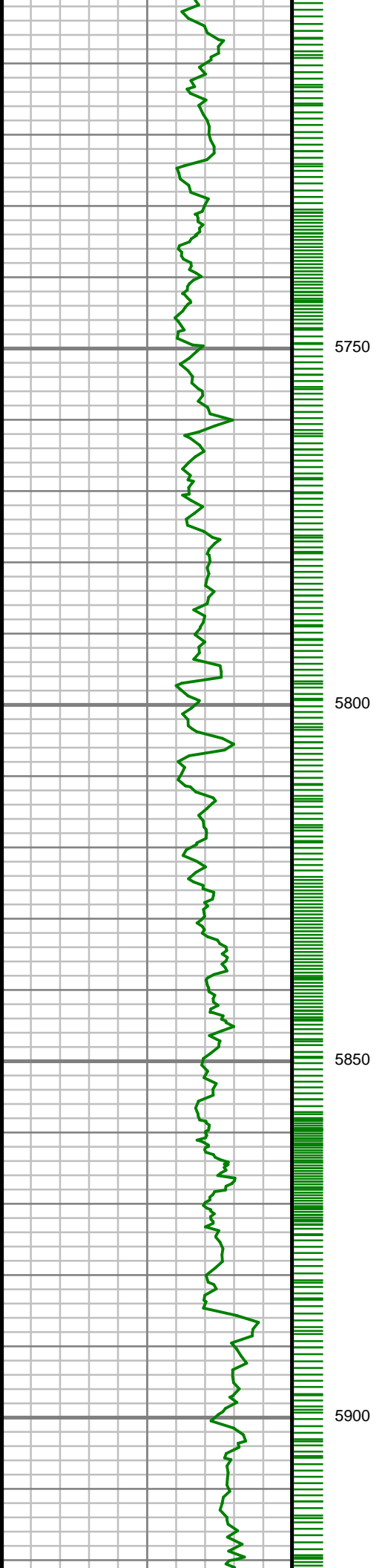
S: 56 MD: 5349.00 ft  
Inc: 13.88 deg Az: 6.56  
deg TVD: 5216.08 ft

S: 57 MD: 5444.00 ft  
Inc: 13.70 deg Az:  
11.17 deg TVD:  
5308.34 ft



S: 58 MD: 5539.00 ft  
Inc: 11.79 deg Az: 9.26  
deg TVD: 5401.00 ft

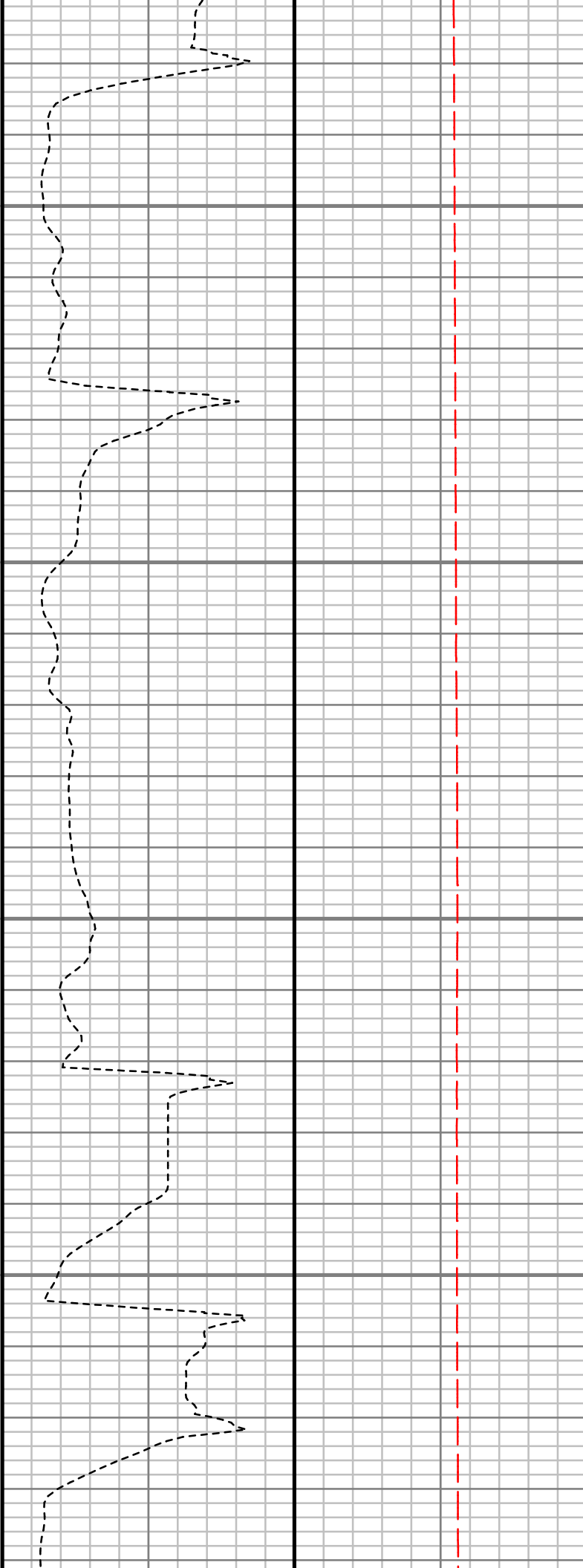
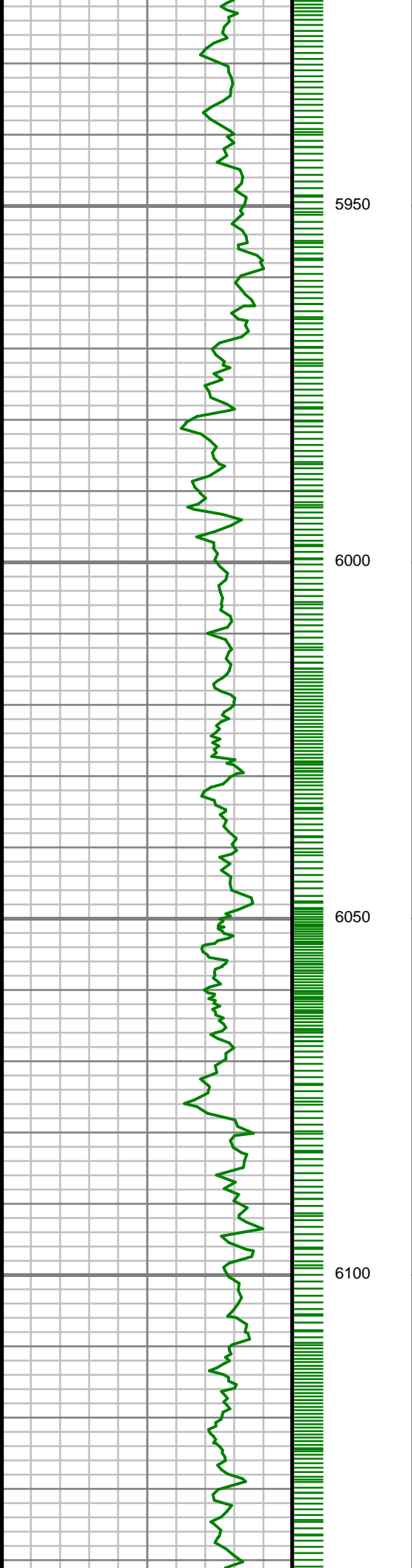
S: 59 MD: 5633.00 ft  
Inc: 10.76 deg Az:  
13.76 deg TVD:  
5493.18 ft



S: 60 MD: 5727.00 ft  
Inc: 8.12 deg Az: 22.21  
deg TVD: 5585.91 ft

S: 61 MD: 5822.00 ft  
Inc: 6.94 deg Az: 18.53  
deg TVD: 5680.08 ft

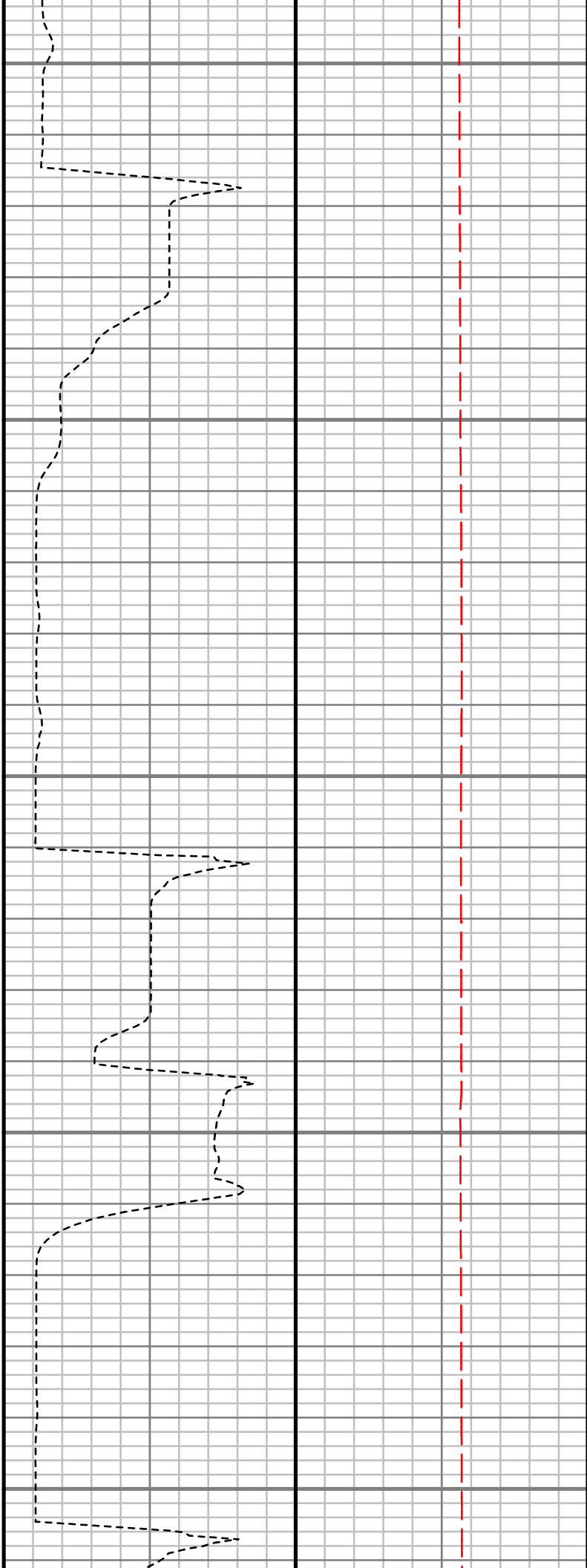
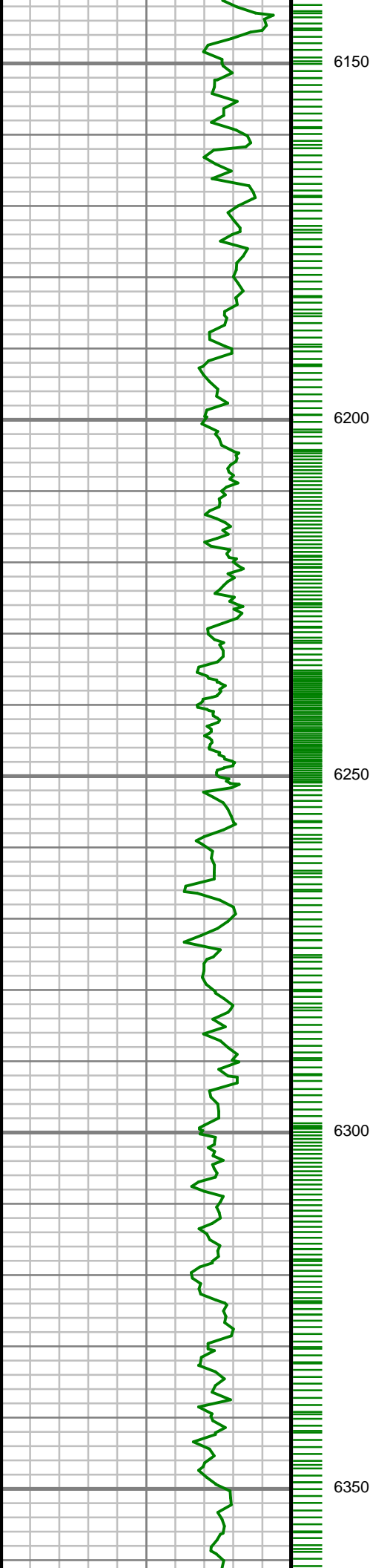
S: 62 MD: 5917.00 ft  
Inc: 5.17 deg Az: 15.34



Inc: 3.74 deg Az: 19.81  
deg TVD: 5774.55 ft

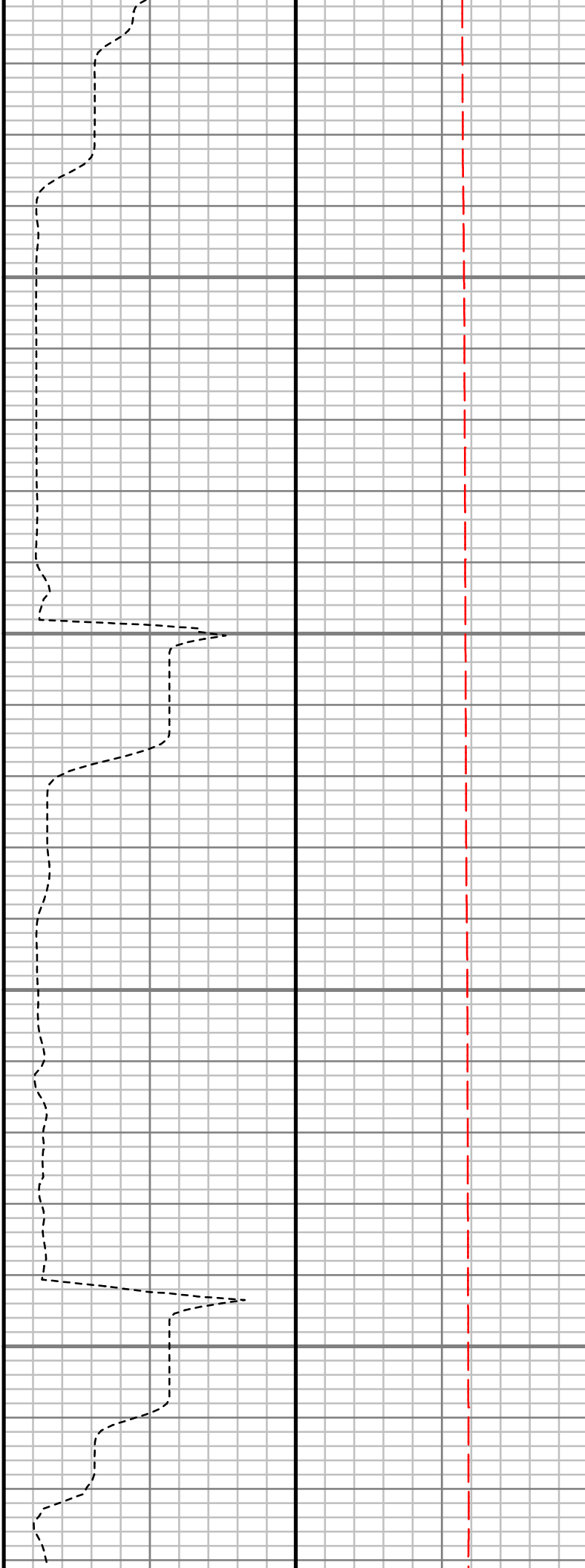
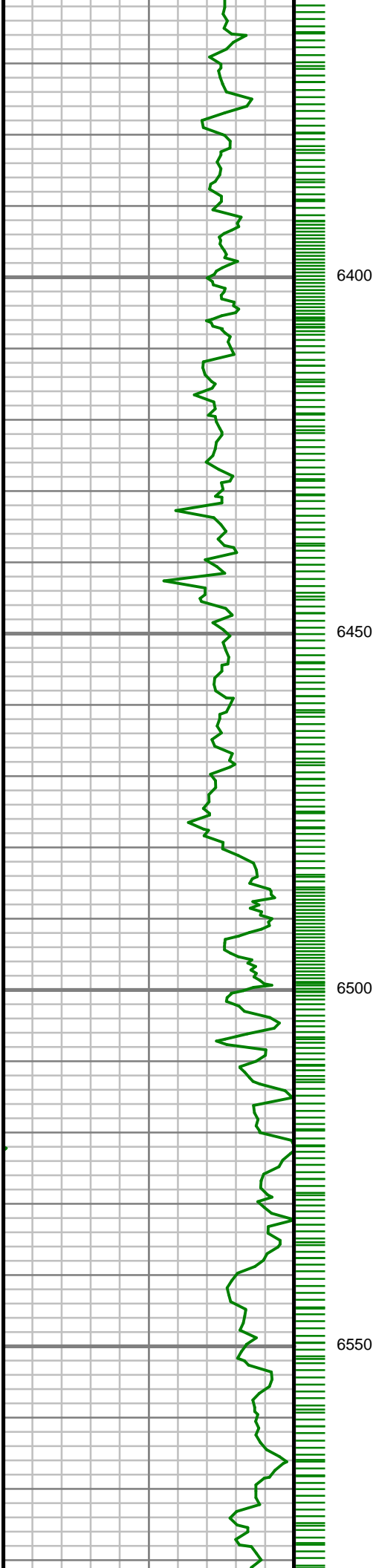
S: 63 MD: 6012.00 ft  
Inc: 4.28 deg Az: 20.76  
deg TVD: 5869.23 ft

S: 64 MD: 6107.00 ft  
Inc: 3.55 deg Az: 27.71  
deg TVD: 5964.01 ft



S: 65 MD: 6201.00 ft  
Inc: 2.95 deg Az: 37.62  
deg TVD: 6057.85 ft

S: 66 MD: 6295.00 ft  
Inc: 2.48 deg Az: 60.59  
deg TVD: 6151.75 ft

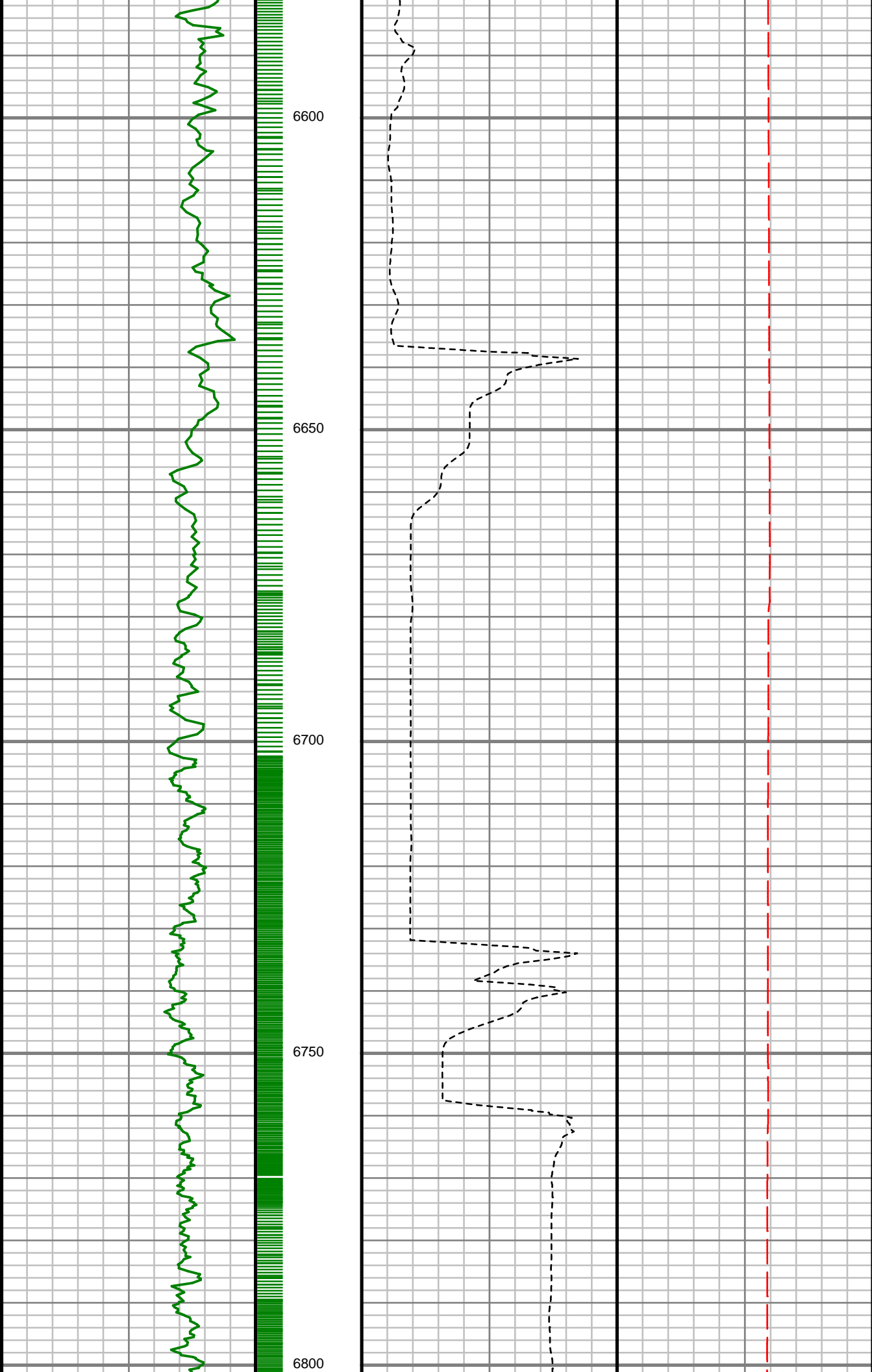


S: 67 MD: 6388.00 ft  
Inc: 2.00 deg Az: 80.02  
deg TVD: 6244.68 ft

S: 68 MD: 6480.00 ft  
Inc: 1.35 deg Az: 78.41  
deg TVD: 6336.64 ft

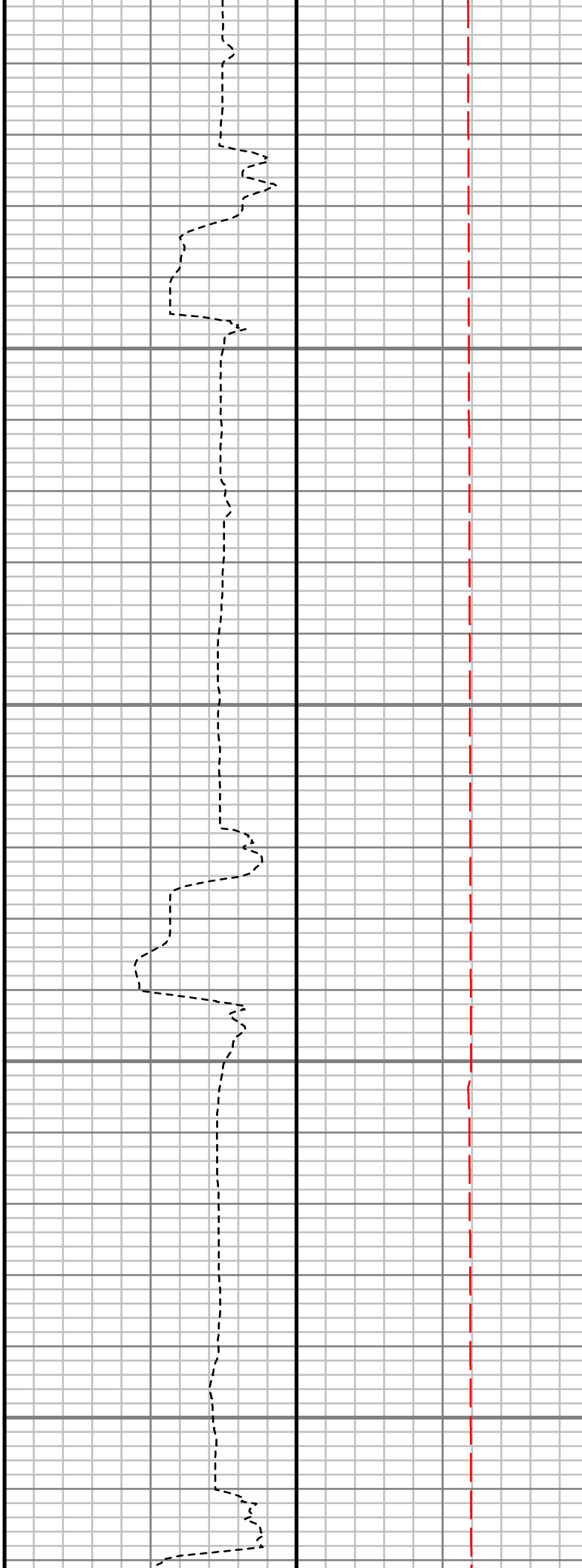
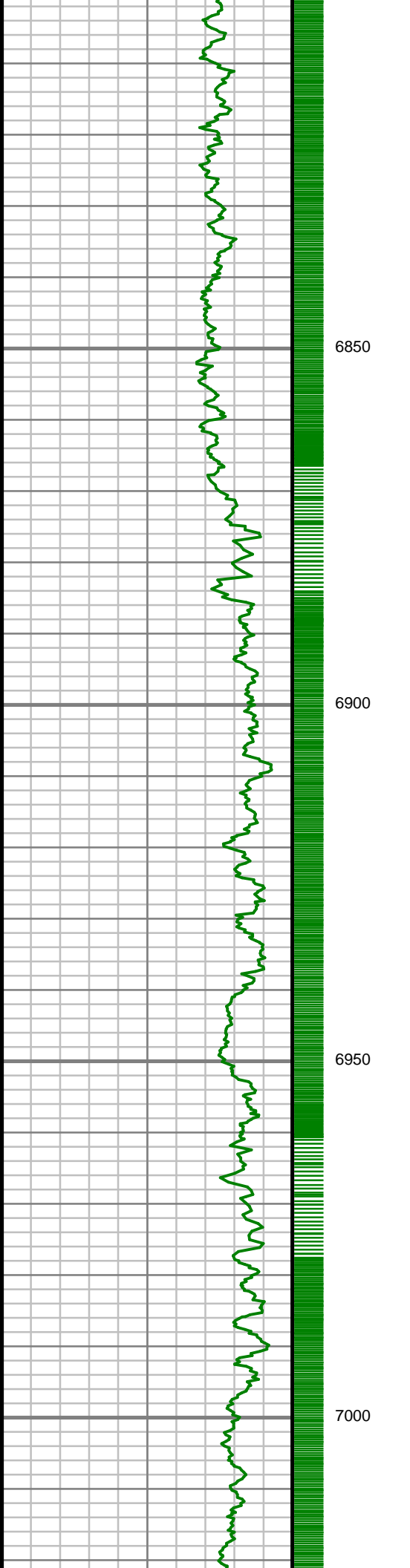
S: 69 MD: 6575.00 ft  
Inc: 1.28 deg Az: 76.42  
deg TVD: 6421.62 ft

deg TVD: 6431.62 ft



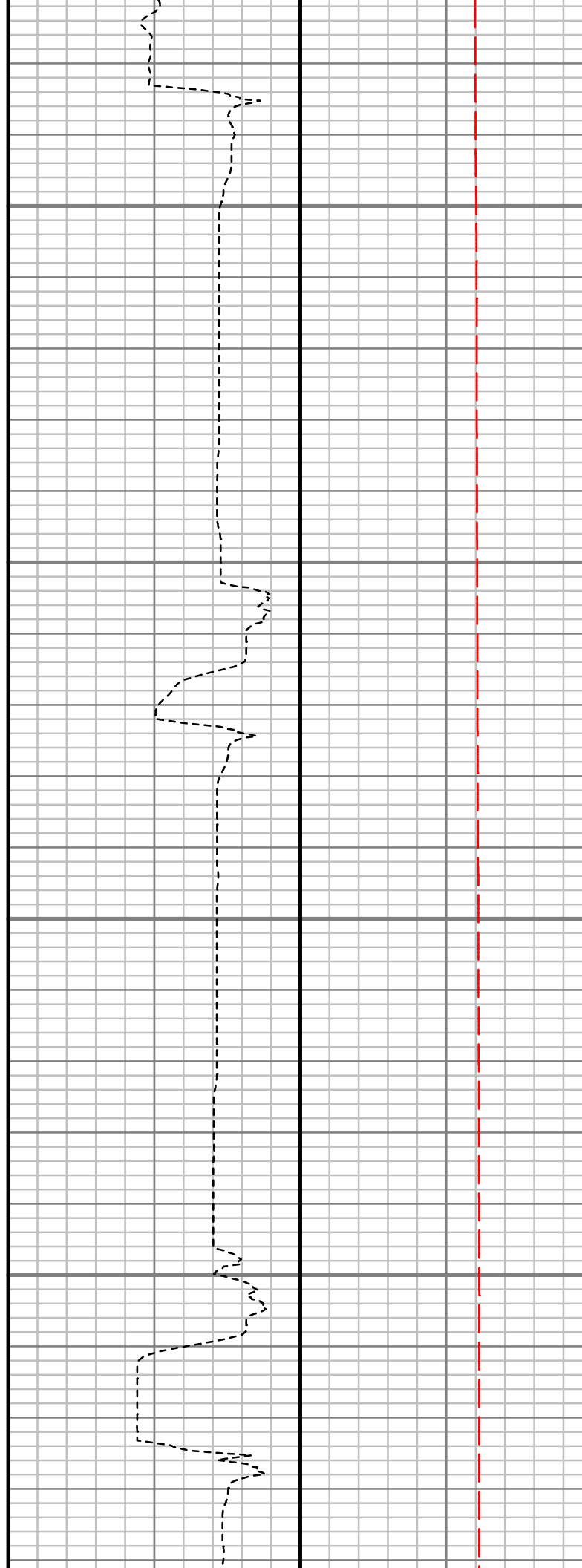
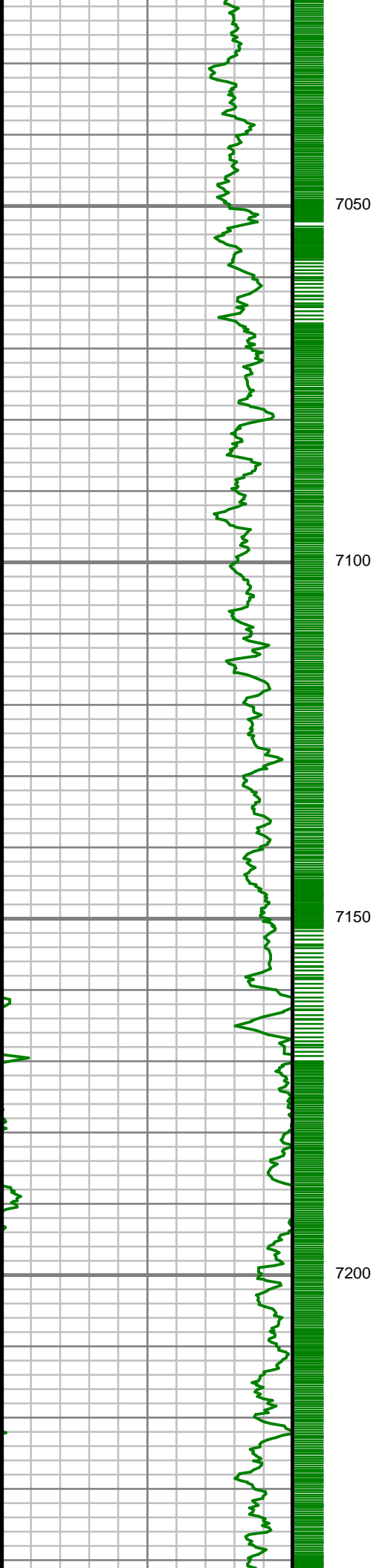
S: 70 MD: 6670.00 ft  
Inc: 0.91 deg Az: 45.97  
deg TVD: 6526.60 ft

S: 71 MD: 6764.00 ft  
Inc: 0.18 deg Az: 72.18  
deg TVD: 6620.60 ft



S: 72 MD: 6858.00 ft  
Inc: 10.40 deg Az:  
185.62 deg TVD:  
6714.08 ft

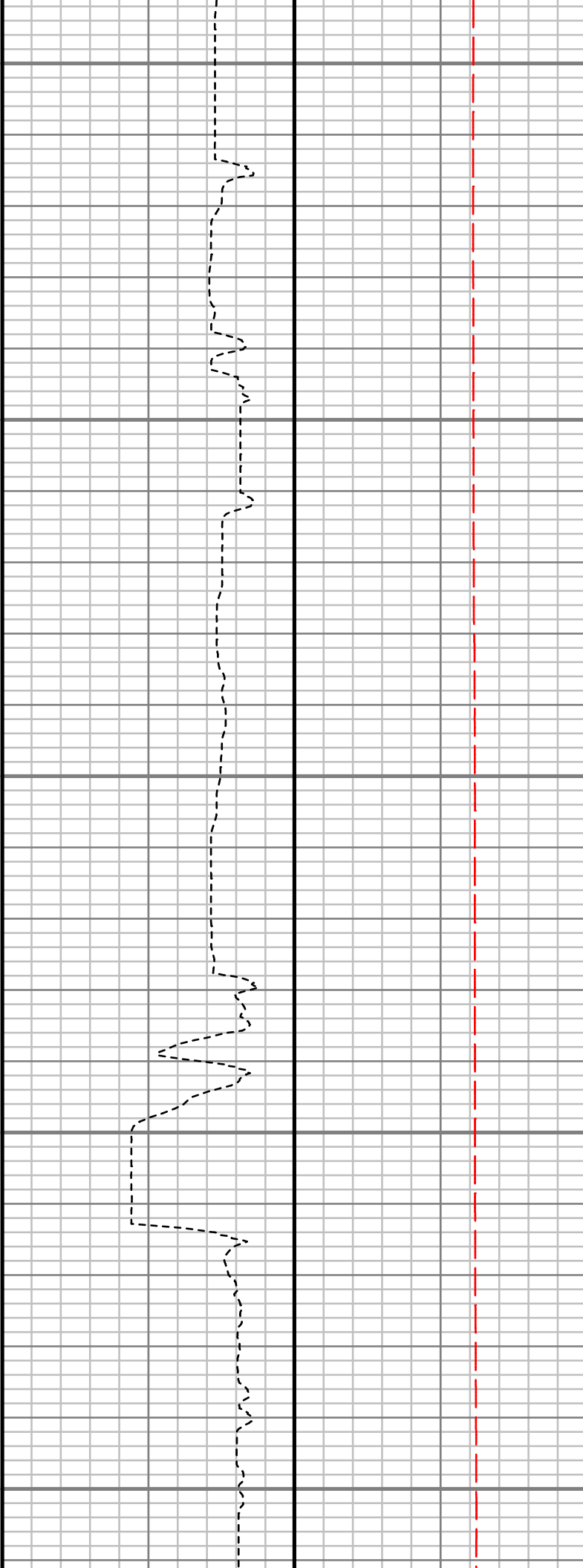
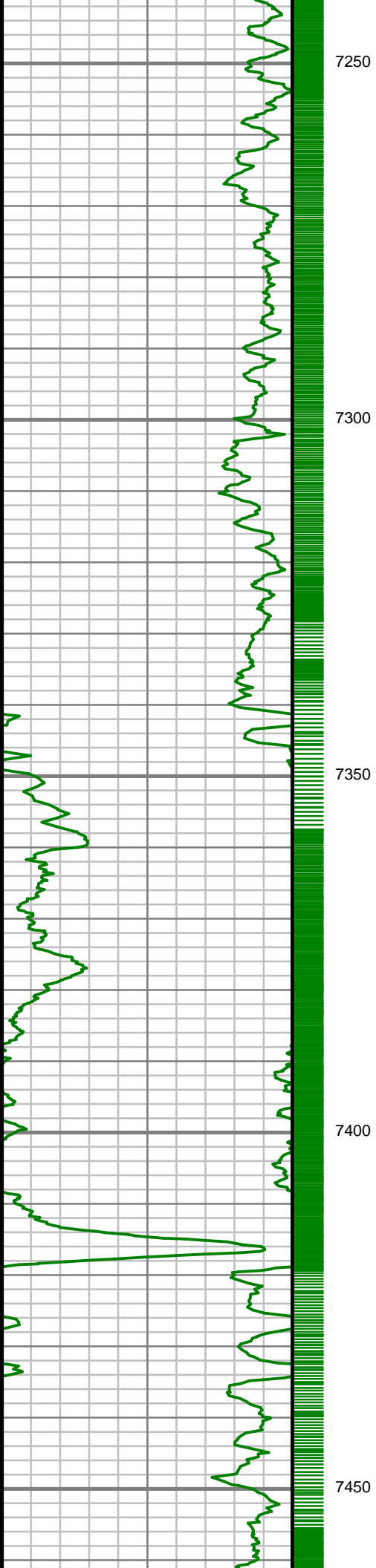
S: 73 MD: 6952.00 ft  
Inc: 19.18 deg Az:  
179.39 deg TVD:  
6804.88 ft



S: 74 MD: 7047.00 ft  
Inc: 27.66 deg Az:  
180.77 deg TVD:  
6891.97 ft

S: 75 MD: 7141.00 ft  
Inc: 38.04 deg Az:  
181.31 deg TVD:  
6970.83 ft

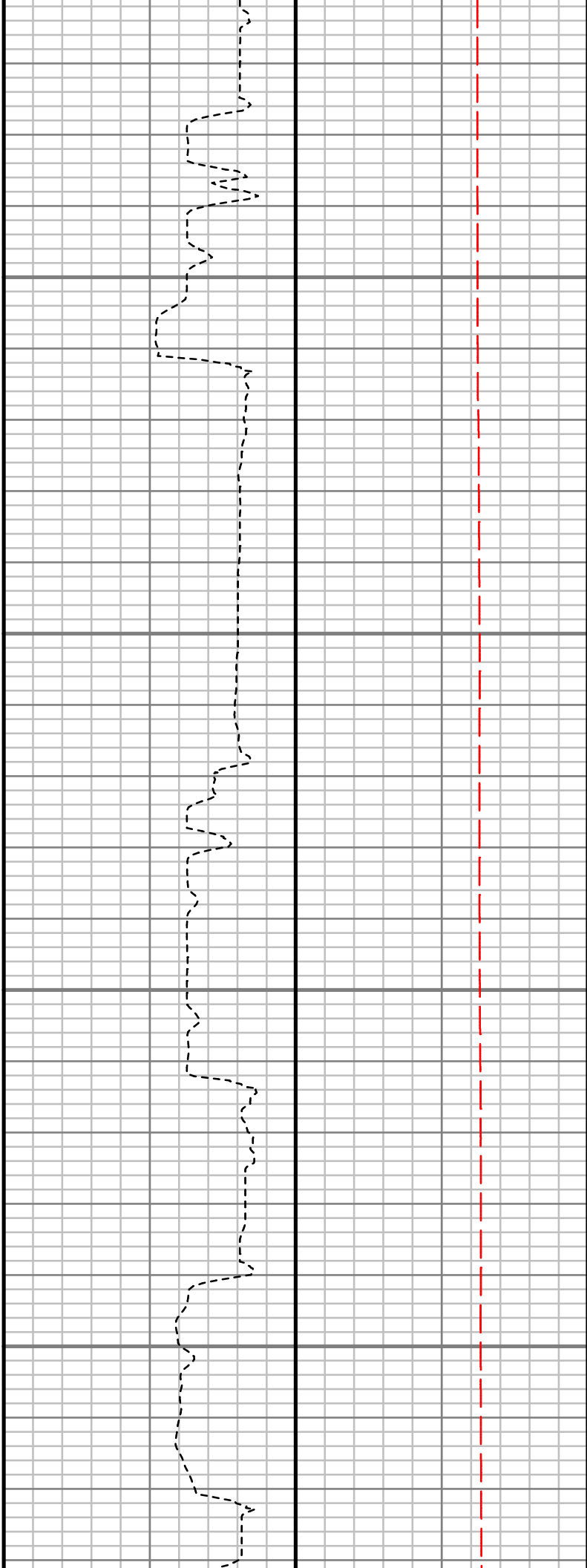
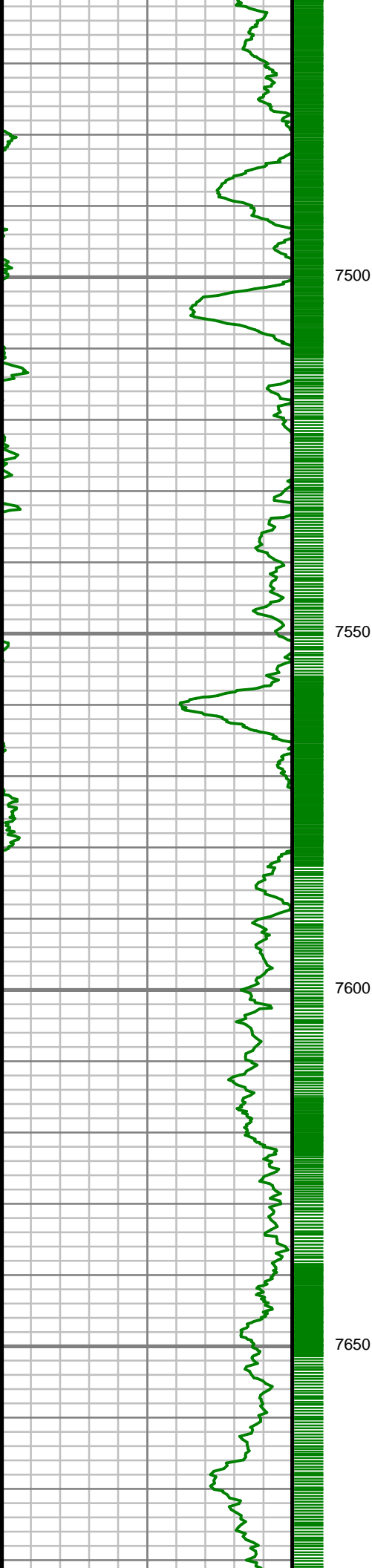
S: 76 MD: 7236.00 ft  
Inc: 45.86 deg Az:



183.51 deg TVD:  
7041.43 ft

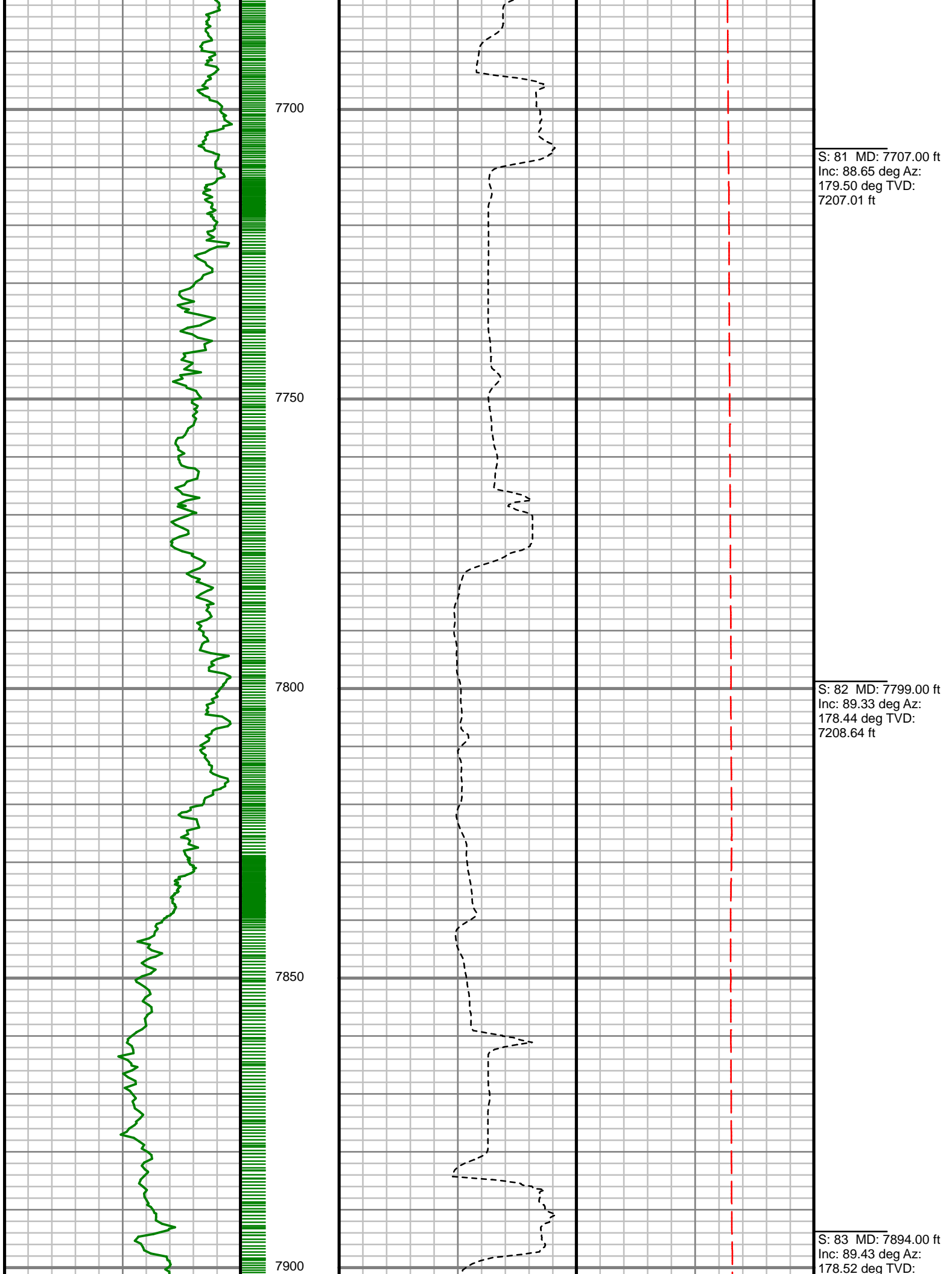
S: 77 MD: 7330.00 ft  
Inc: 55.58 deg Az:  
182.08 deg TVD:  
7100.87 ft

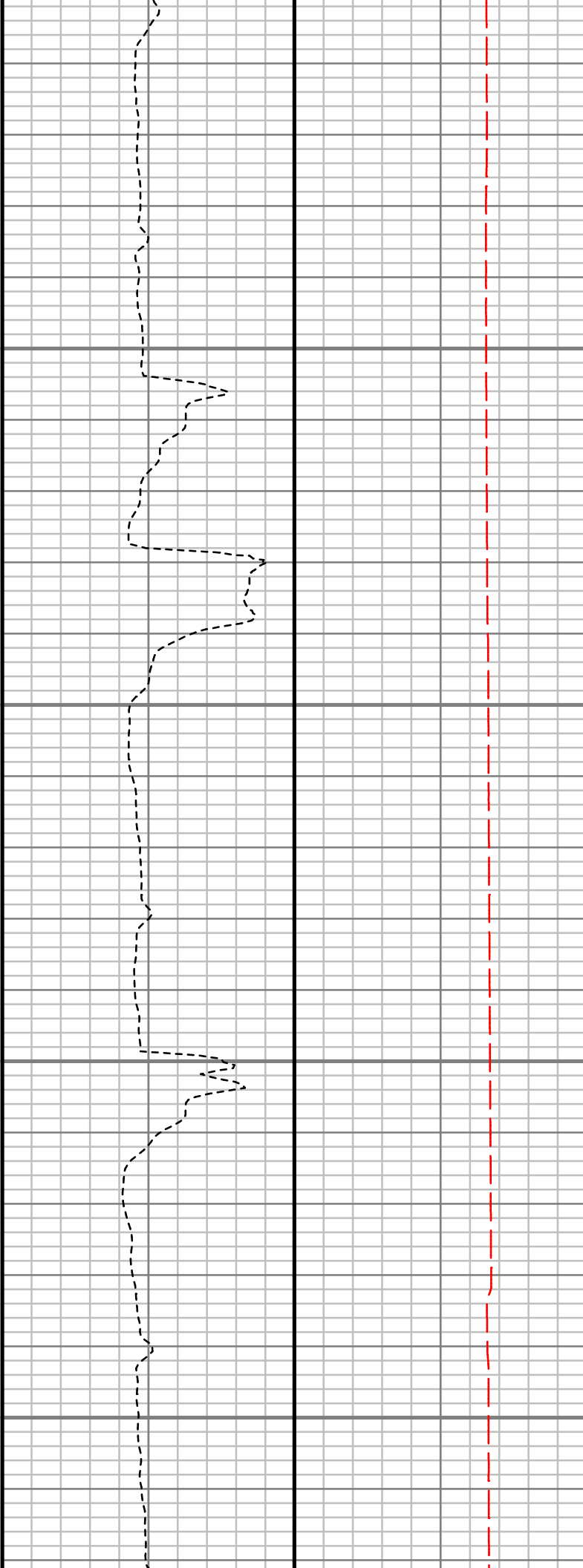
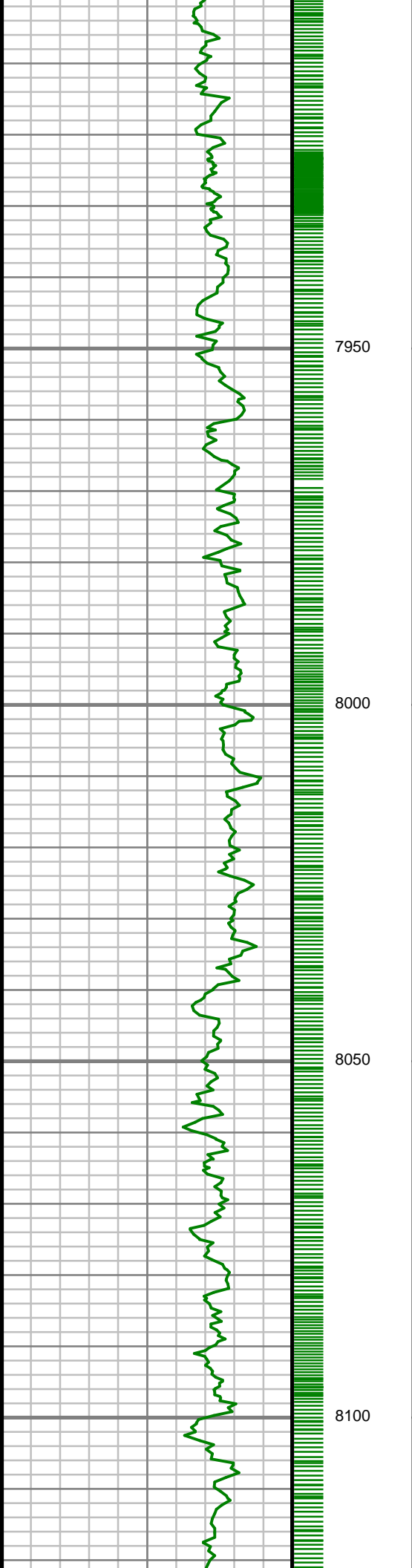
S: 78 MD: 7424.00 ft  
Inc: 64.60 deg Az:  
180.28 deg TVD:  
7147.69 ft



S: 79 MD: 7519.00 ft  
Inc: 74.22 deg Az:  
178.49 deg TVD:  
7181.07 ft

S: 80 MD: 7613.00 ft  
Inc: 82.65 deg Az:  
179.78 deg TVD:  
7199.89 ft





7209.67 ft

S: 84 MD: 7989.00 ft  
Inc: 89.46 deg Az:  
180.57 deg TVD:  
7210.59 ft

S: 85 MD: 8083.00 ft  
Inc: 89.63 deg Az:  
180.79 deg TVD:  
7211.34 ft

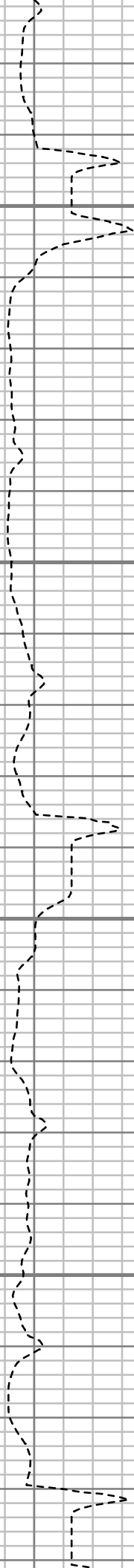


8150

8200

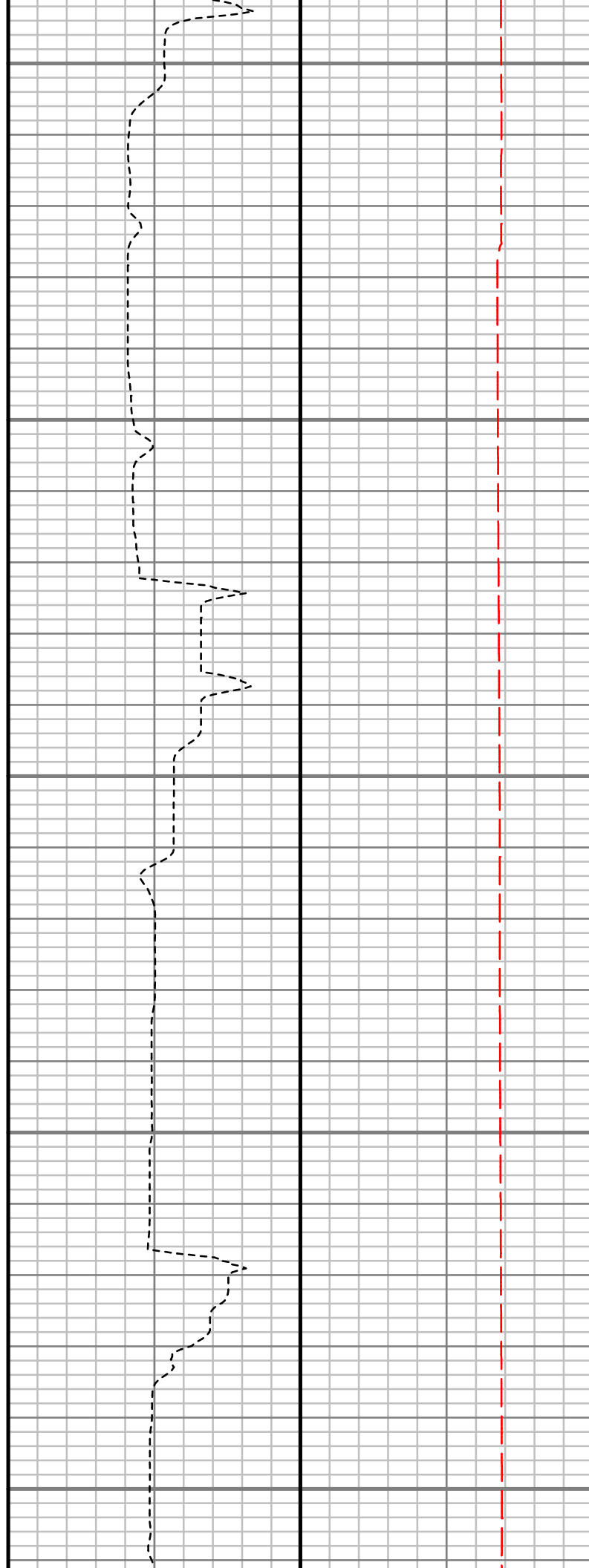
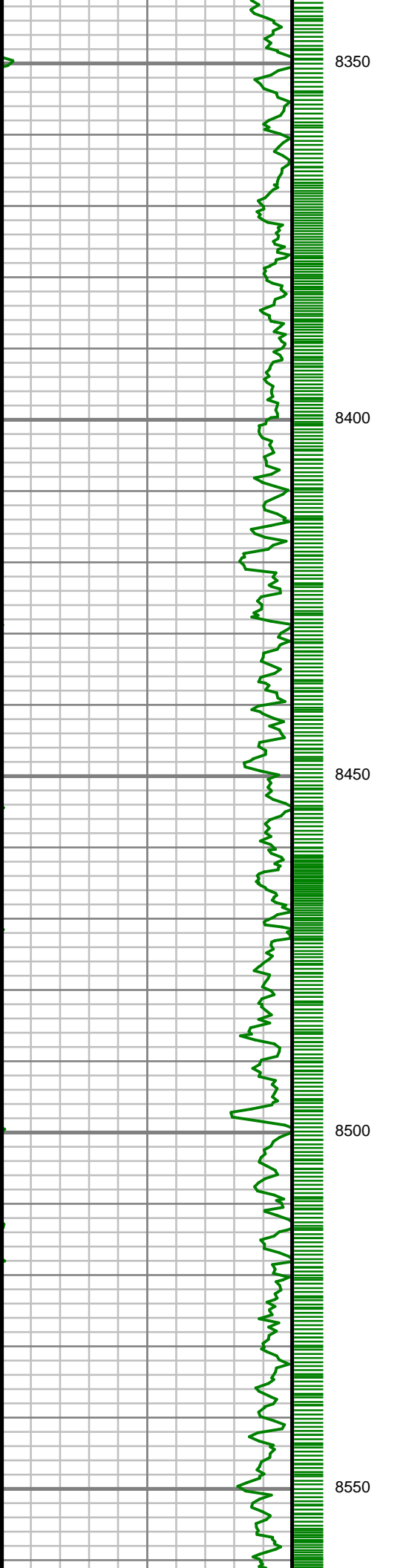
8250

8300



S: 86 MD: 8177.00 ft  
Inc: 89.76 deg Az:  
180.81 deg TVD:  
7211.83 ft

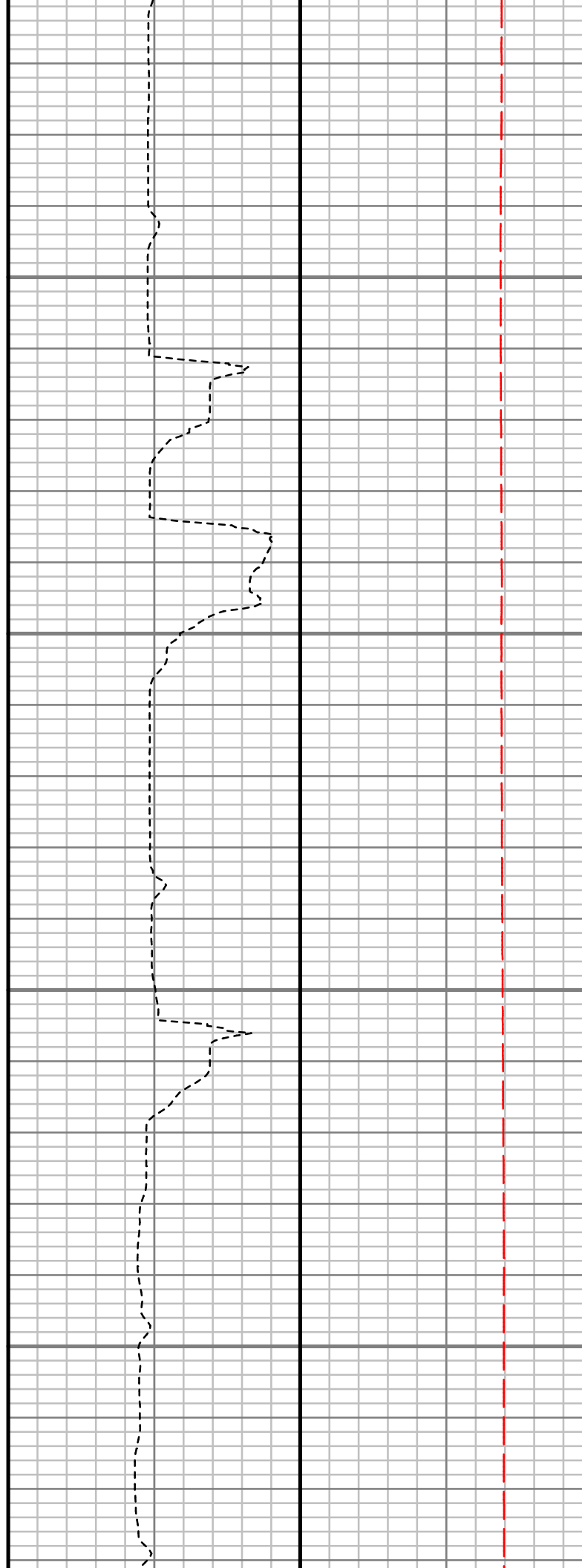
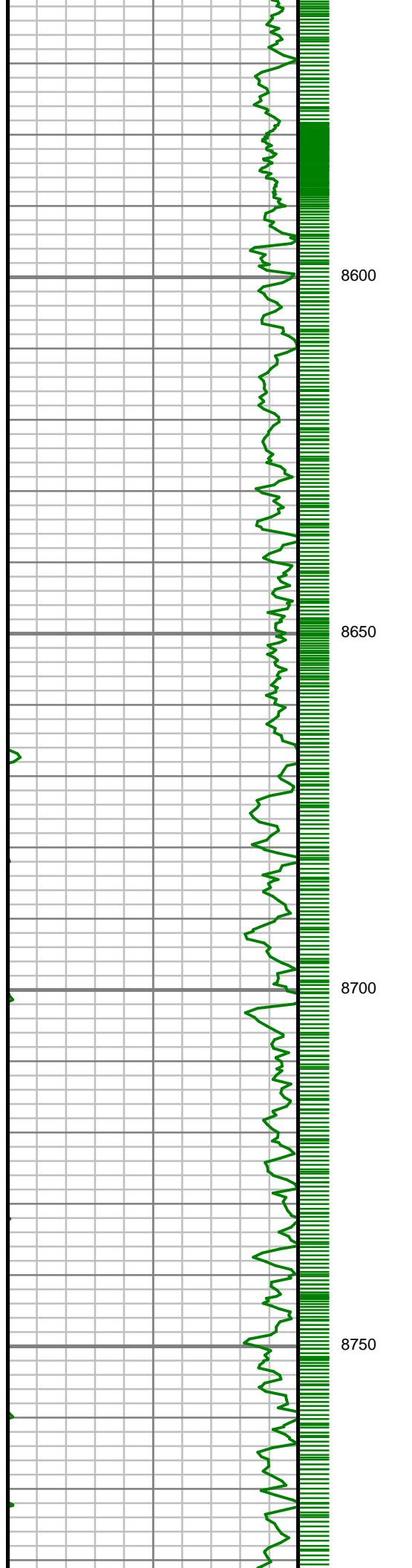
S: 87 MD: 8270.00 ft  
Inc: 89.76 deg Az:  
180.60 deg TVD:  
7212.22 ft



S: 88 MD: 8364.00 ft  
Inc: 89.63 deg Az:  
180.71 deg TVD:  
7212.71 ft

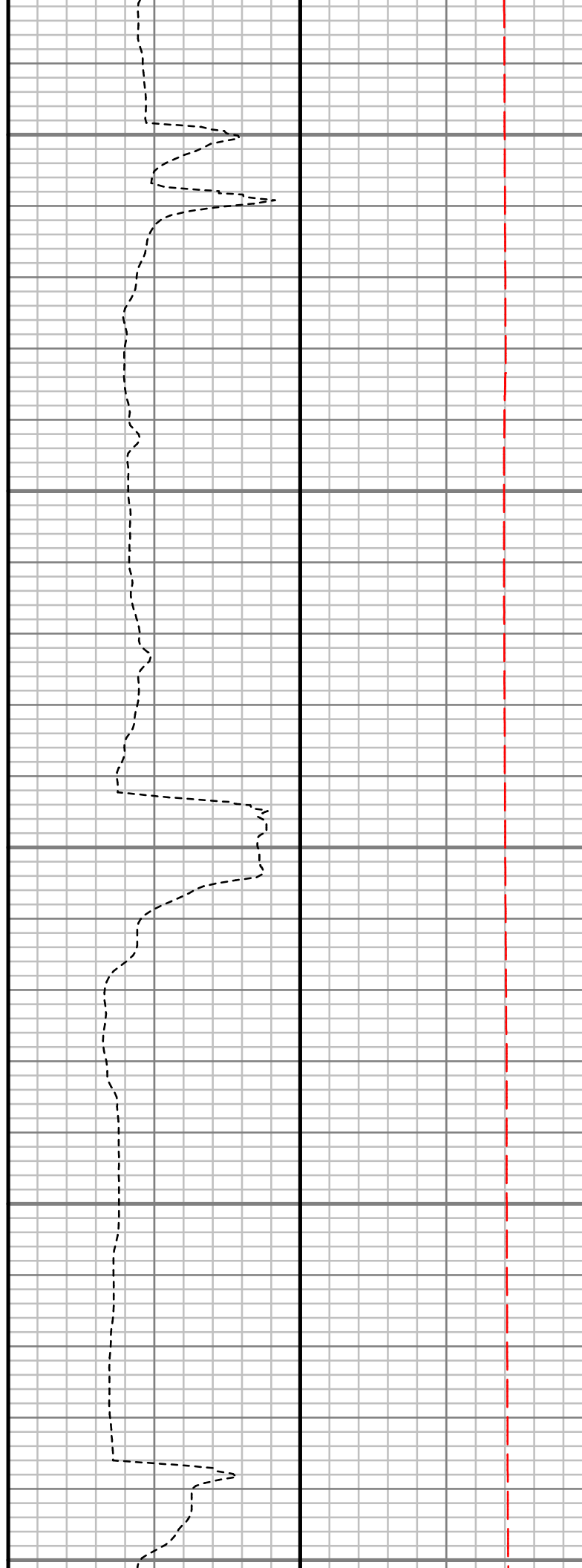
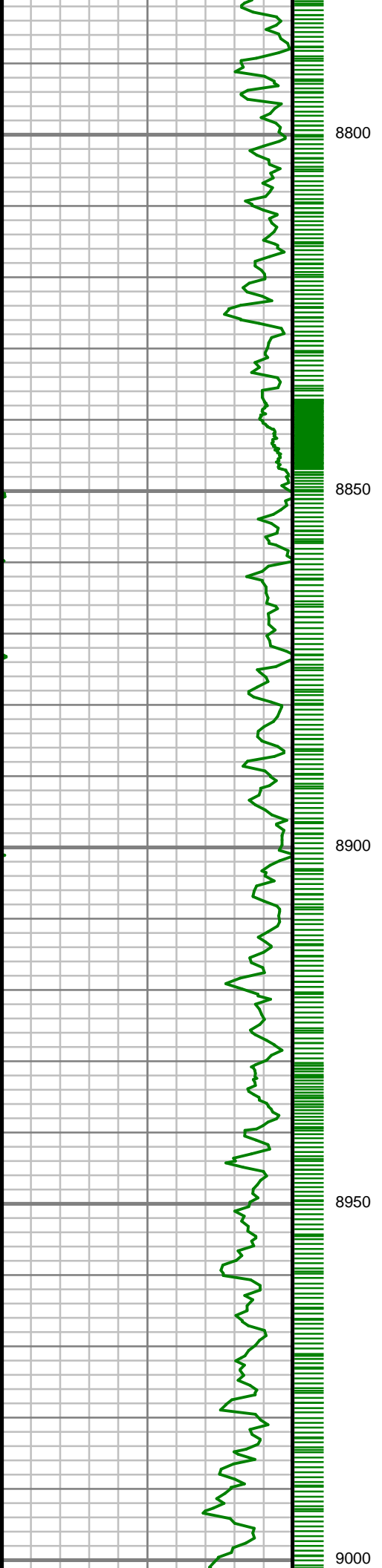
S: 89 MD: 8457.00 ft  
Inc: 89.83 deg Az:  
180.95 deg TVD:  
7213.15 ft

S: 90 MD: 8552.00 ft  
Inc: 90.37 deg Az:  
181.65 deg TVD:  
7212.98 ft



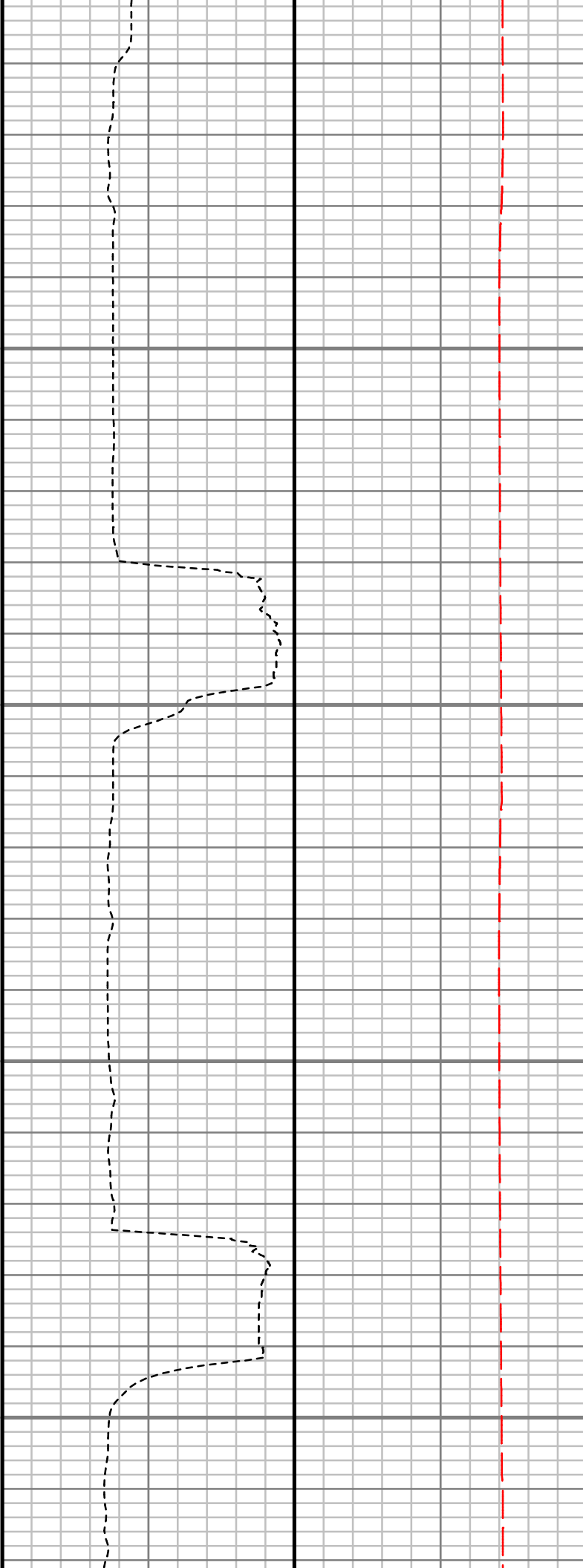
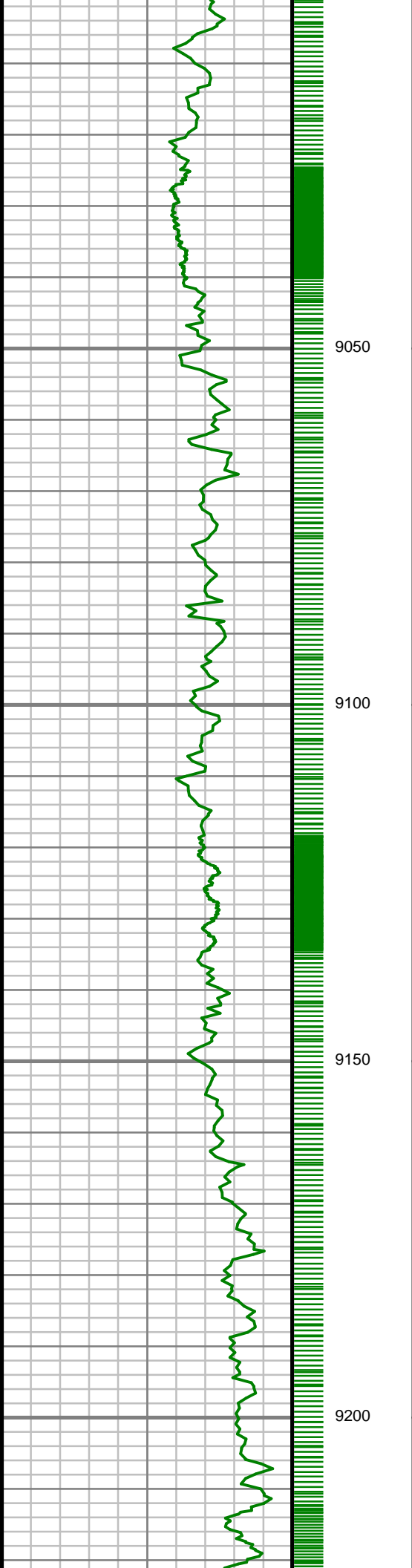
S: 91 MD: 8644.00 ft  
Inc: 89.80 deg Az:  
178.96 deg TVD:  
7212.85 ft

S: 92 MD: 8738.00 ft  
Inc: 90.17 deg Az:  
179.02 deg TVD:  
7212.88 ft



S: 93 MD: 8832.00 ft  
Inc: 89.53 deg Az:  
178.13 deg TVD:  
7213.12 ft

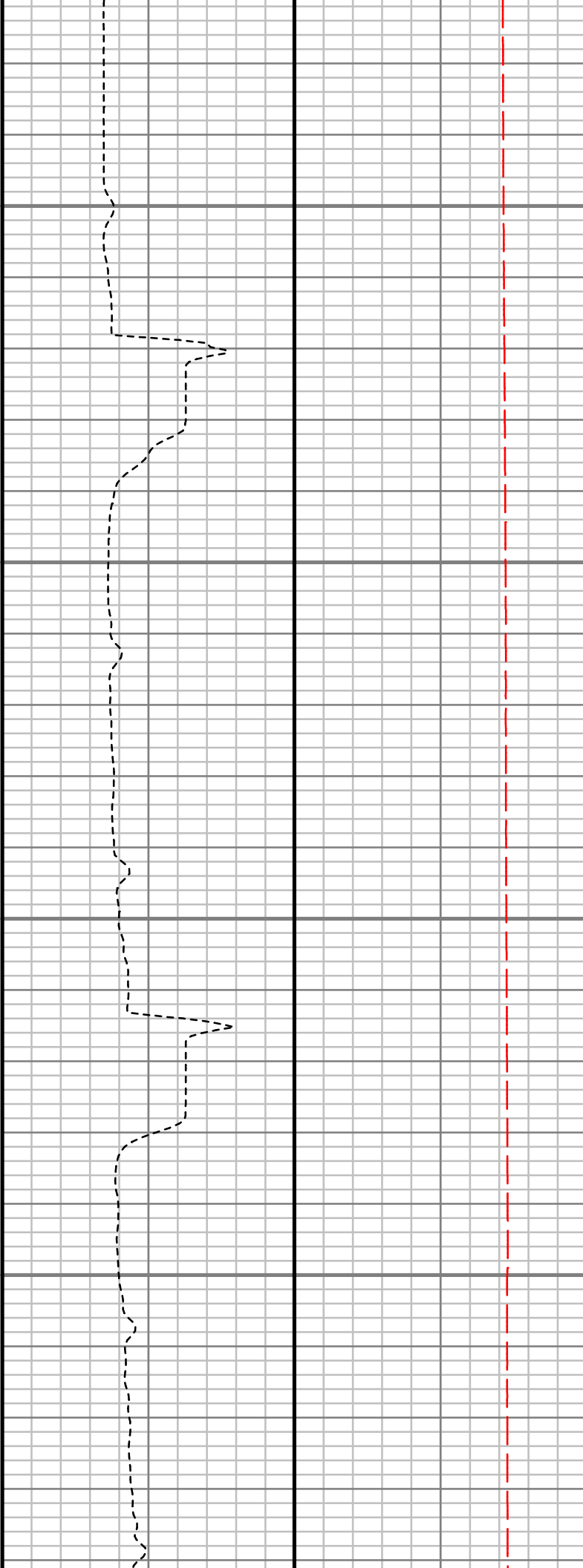
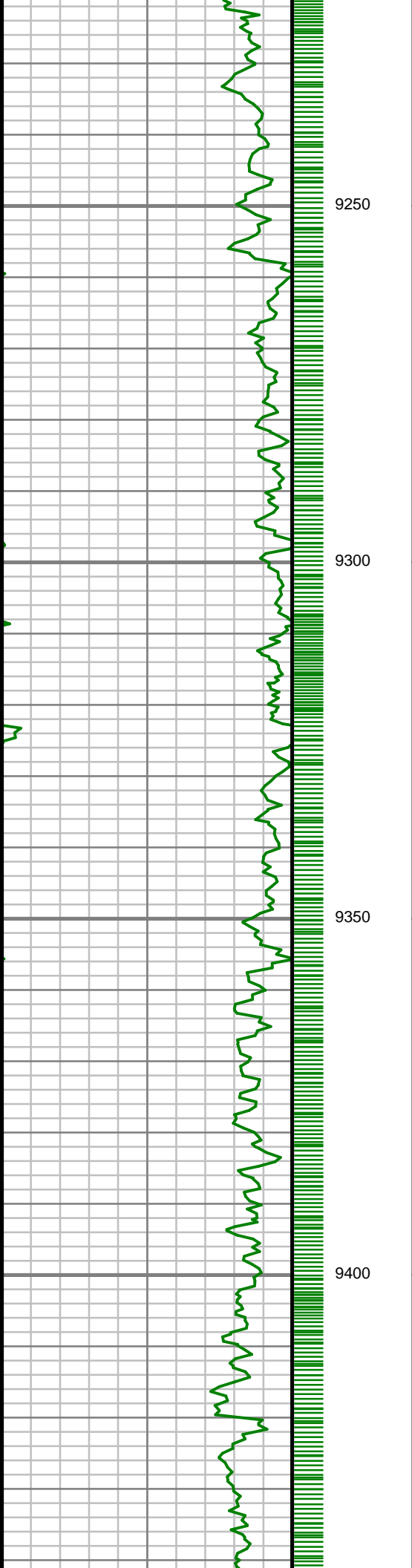
S: 94 MD: 8927.00 ft  
Inc: 90.27 deg Az:  
178.63 deg TVD:  
7213.29 ft



S: 95 MD: 9021.00 ft  
Inc: 90.47 deg Az:  
177.70 deg TVD:  
7212.68 ft

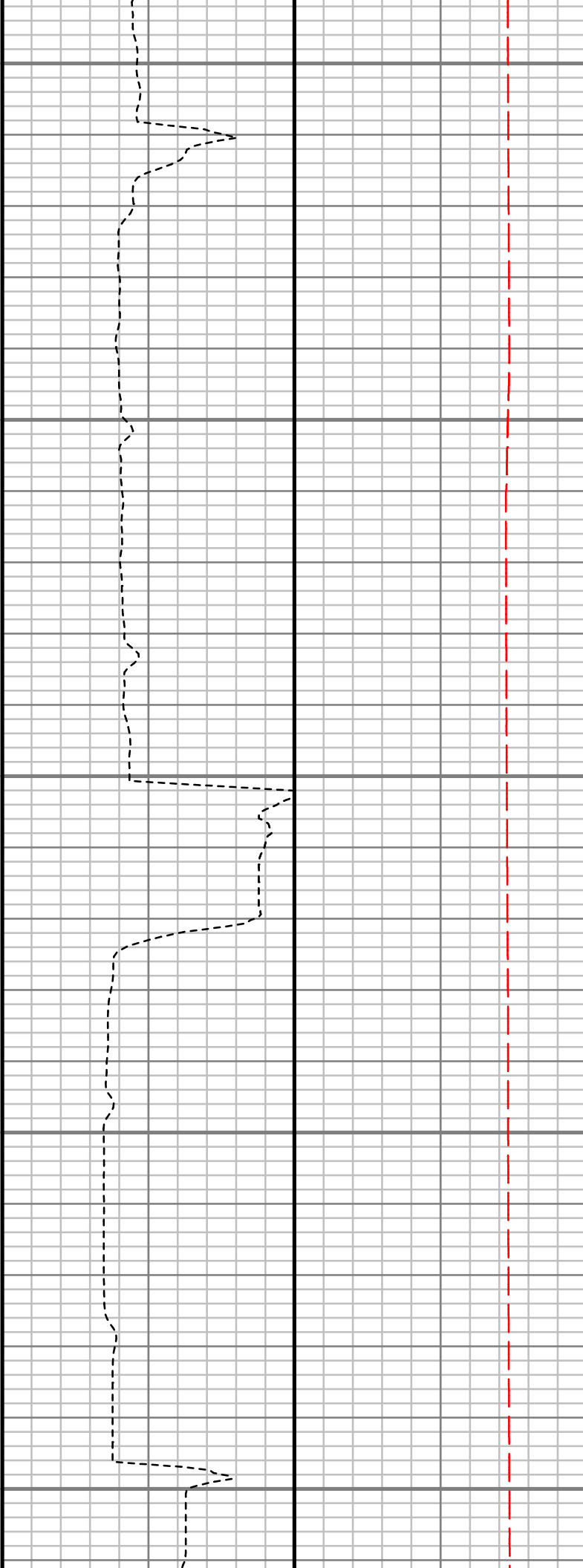
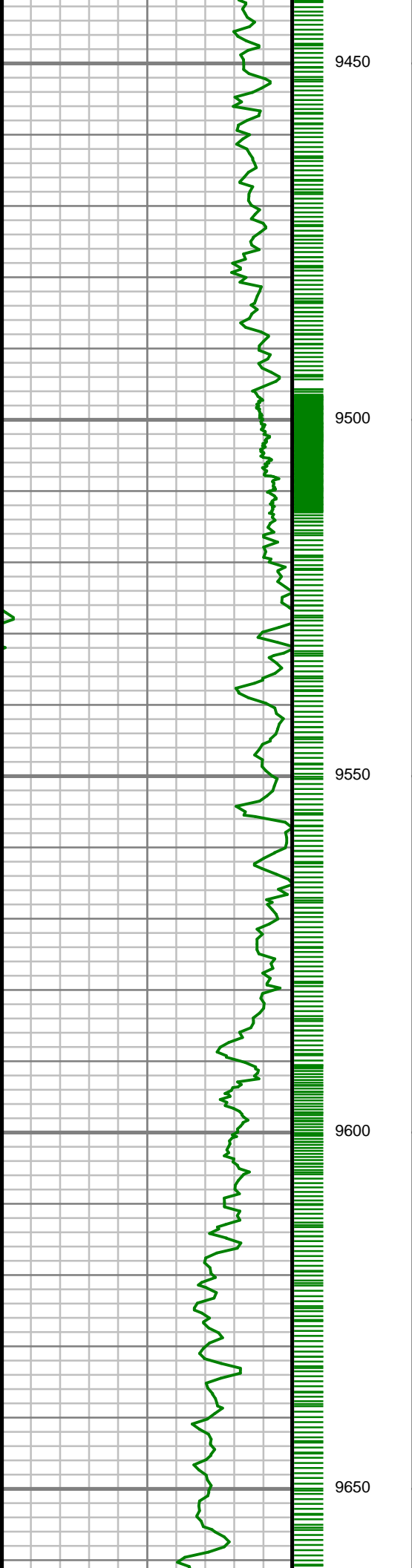
S: 96 MD: 9115.00 ft  
Inc: 90.34 deg Az:  
178.79 deg TVD:  
7212.02 ft

S: 97 MD: 9209.00 ft  
Inc: 89.46 deg Az:  
180.35 deg TVD:  
7212.19 ft



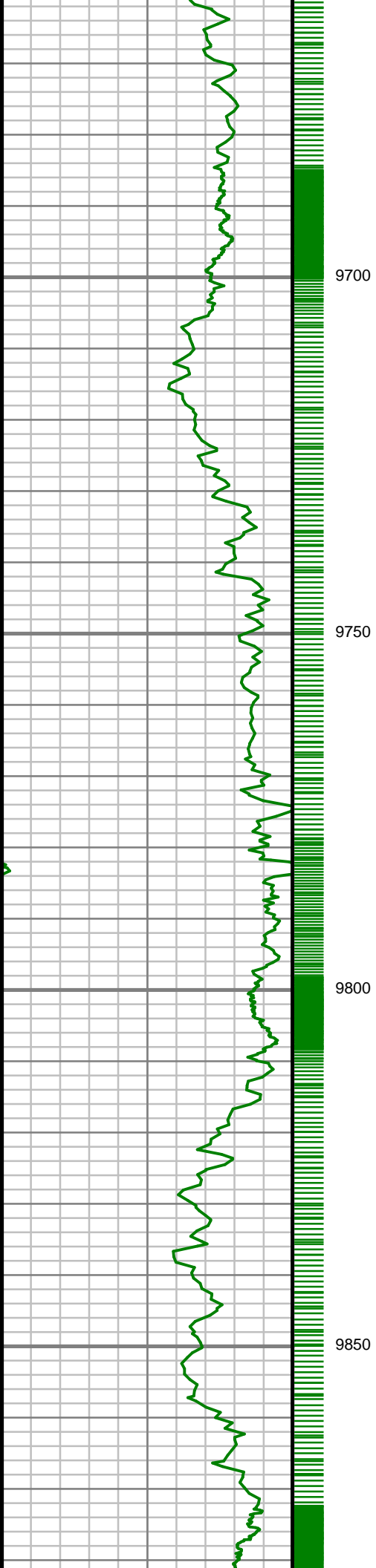
S: 98 MD: 9302.00 ft  
Inc: 89.23 deg Az:  
179.21 deg TVD:  
7213.25 ft

S: 99 MD: 9397.00 ft  
Inc: 89.33 deg Az:  
179.32 deg TVD:  
7214.45 ft



S: 100 MD: 9491.00 ft  
Inc: 89.80 deg Az:  
179.11 deg TVD:  
7215.16 ft

S: 101 MD: 9586.00 ft  
Inc: 87.95 deg Az:  
179.98 deg TVD:  
7217.03 ft

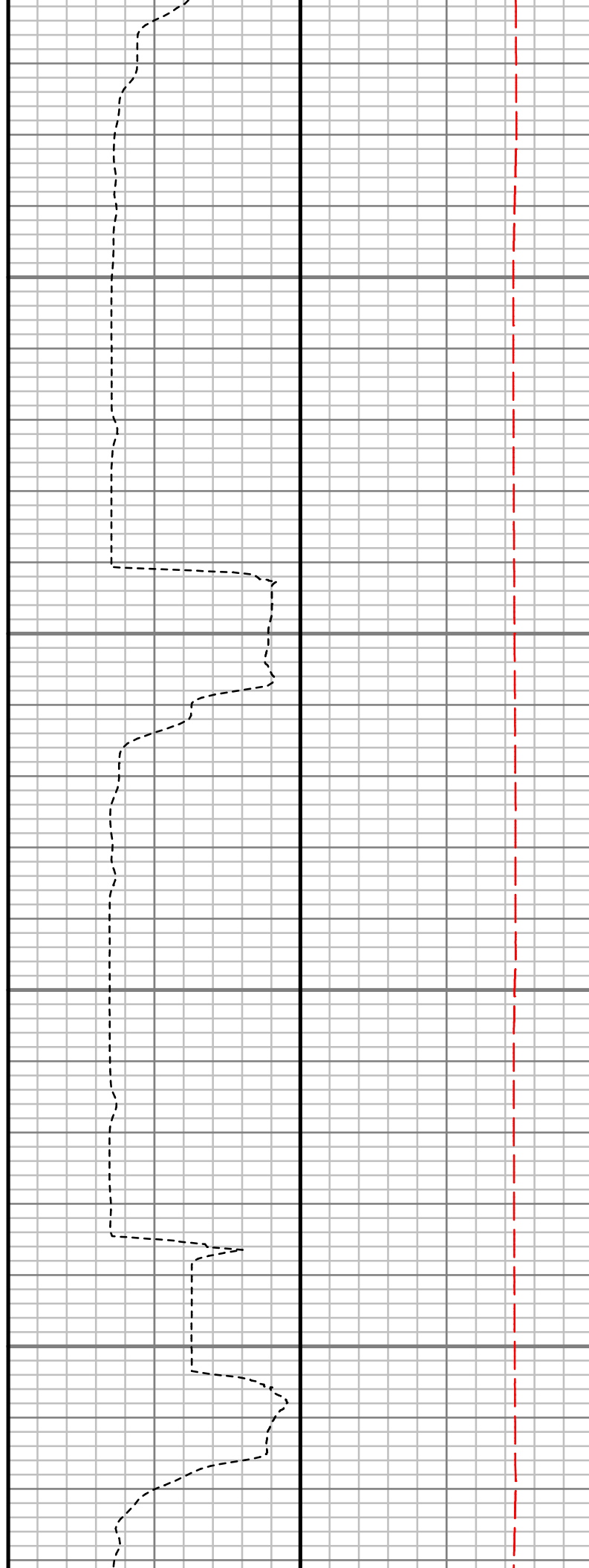


9700

9750

9800

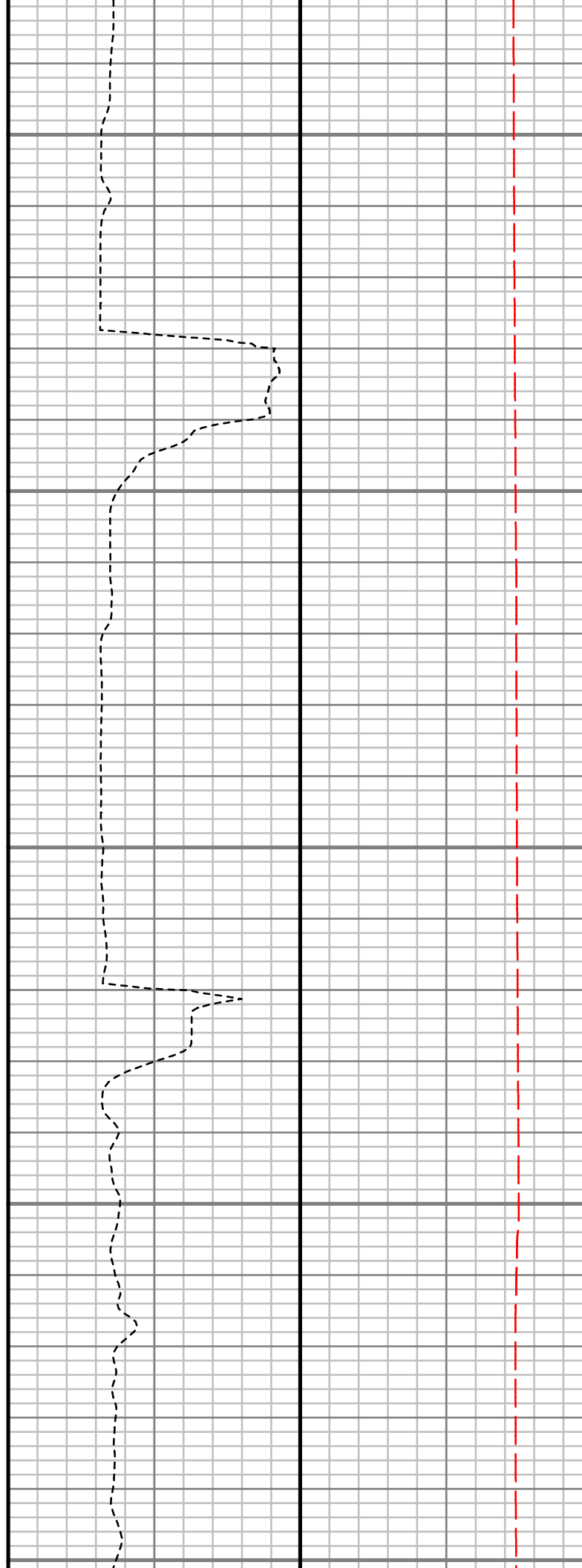
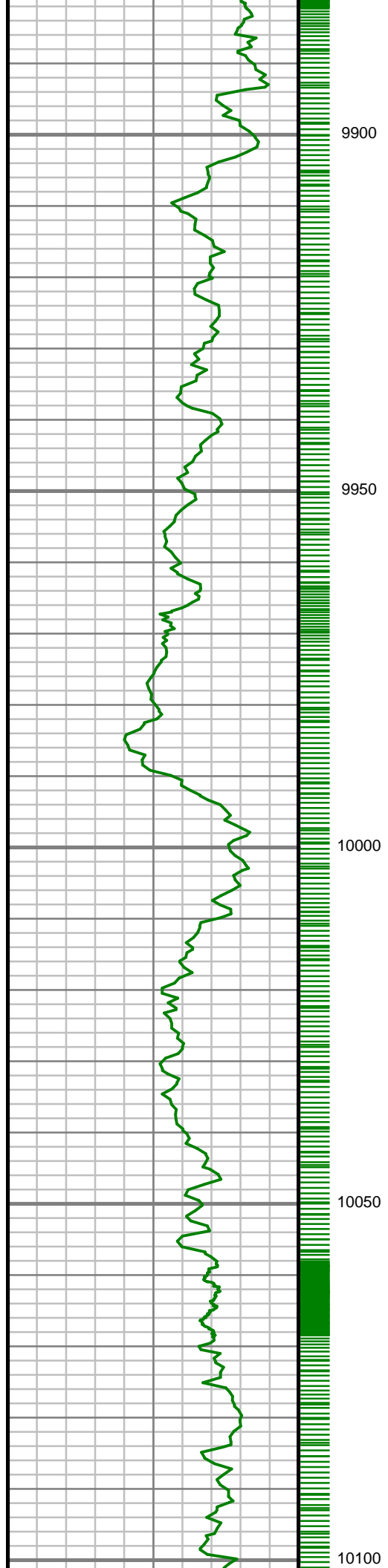
9850



S: 102 MD: 9679.00 ft  
Inc: 87.48 deg Az:  
179.02 deg TVD:  
7220.74 ft

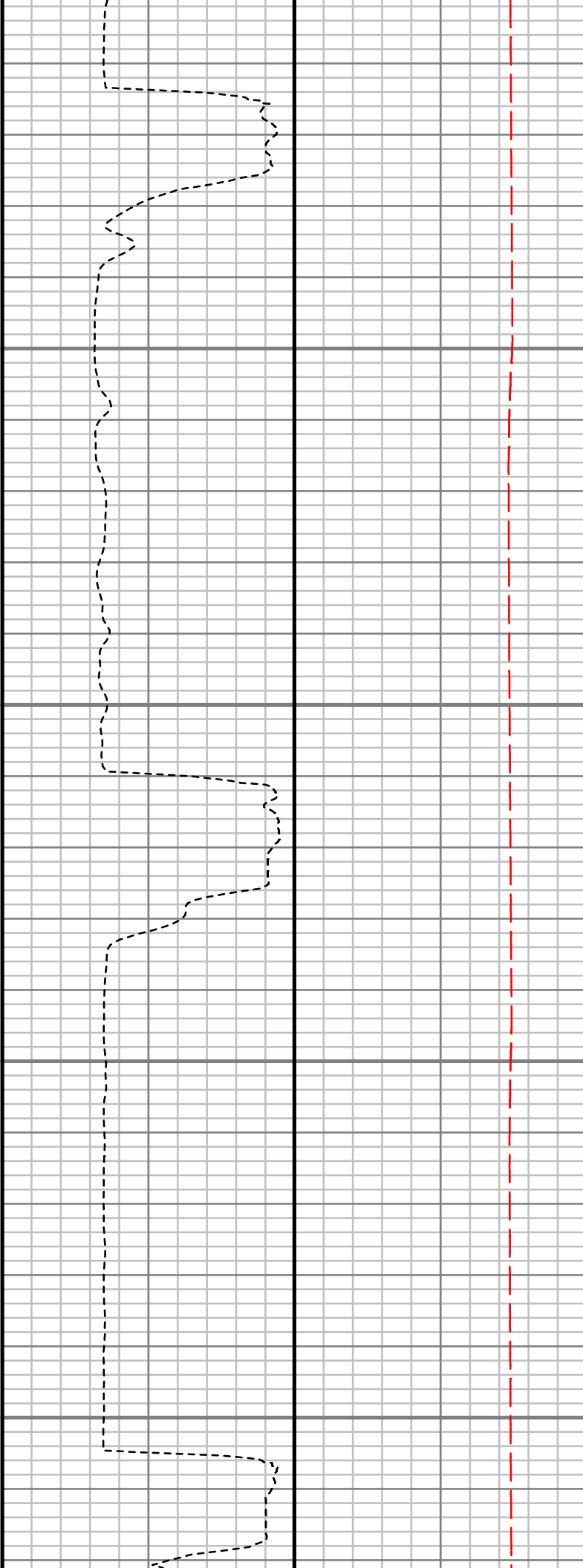
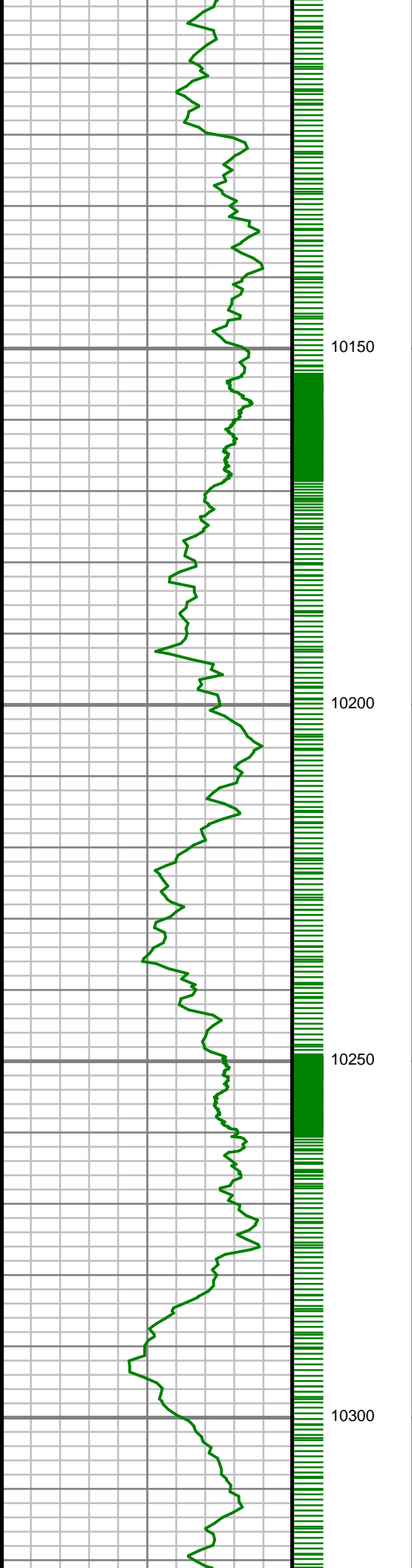
S: 103 MD: 9773.00 ft  
Inc: 86.94 deg Az:  
180.81 deg TVD:  
7225.32 ft

S: 104 MD: 9865.00 ft  
Inc: 87.24 deg Az:  
180.72 deg TVD:  
7229.98 ft



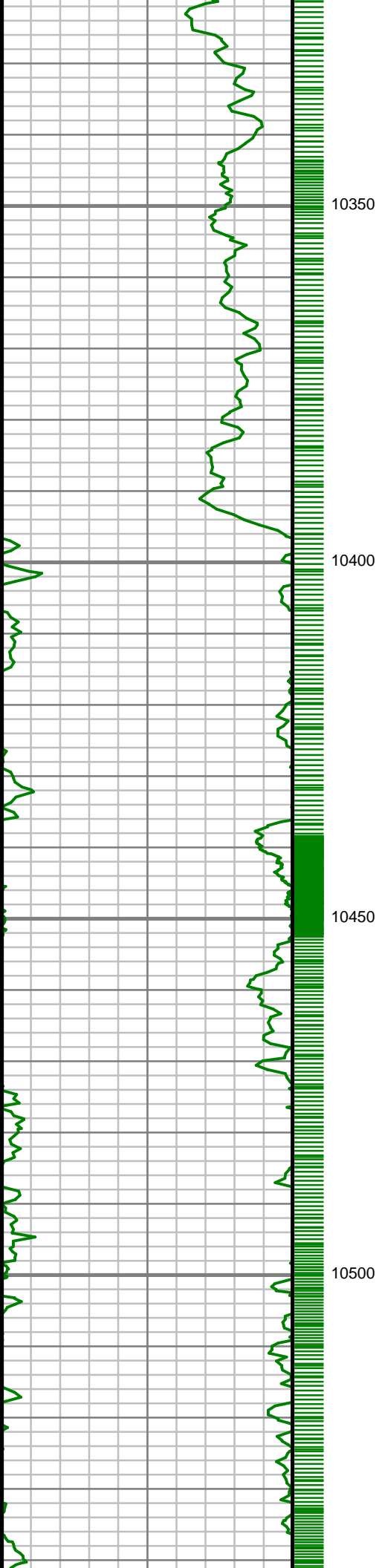
S: 105 MD: 9961.00 ft  
Inc: 88.39 deg Az:  
180.67 deg TVD:  
7233.65 ft

S: 106 MD: 10055.00 ft  
Inc: 88.05 deg Az:  
179.34 deg TVD:  
7236.57 ft



S: 107 MD: 10150.00 ft  
Inc: 88.02 deg Az:  
180.17 deg TVD:  
7239.83 ft

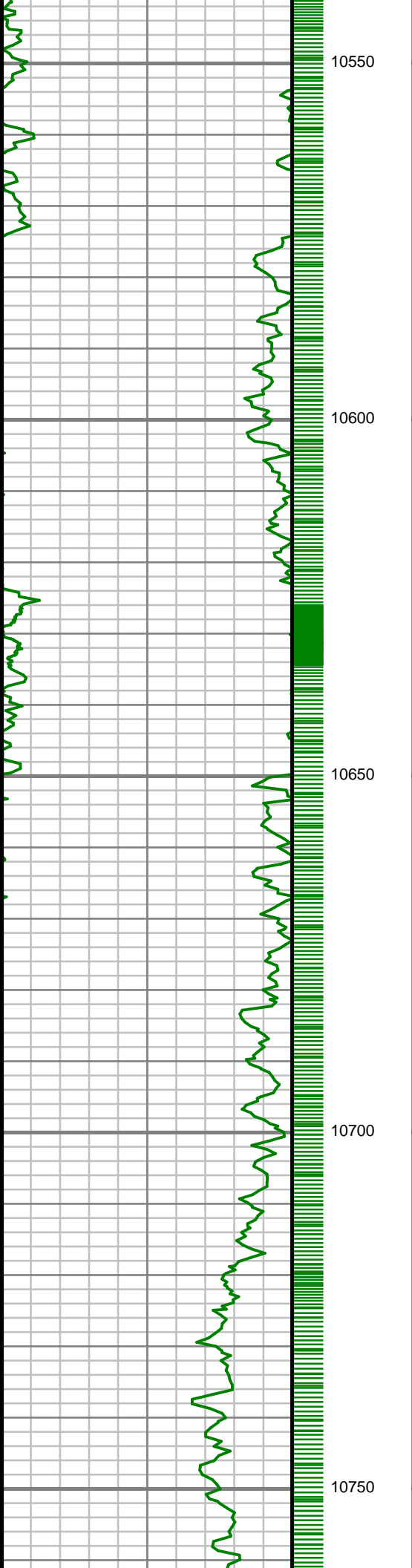
S: 108 MD: 10245.00 ft  
Inc: 89.02 deg Az:  
179.87 deg TVD:  
7242.28 ft



S: 109 MD: 10340.00 ft  
Inc: 90.24 deg Az:  
179.58 deg TVD:  
7242.89 ft

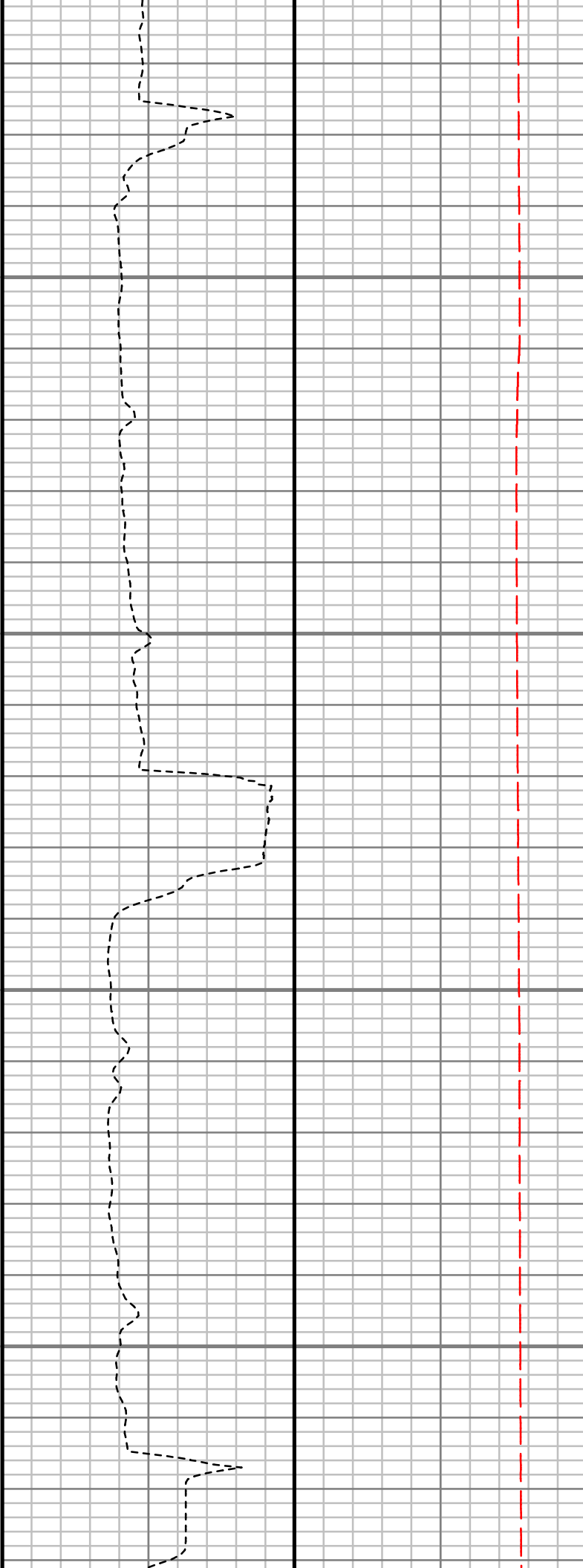
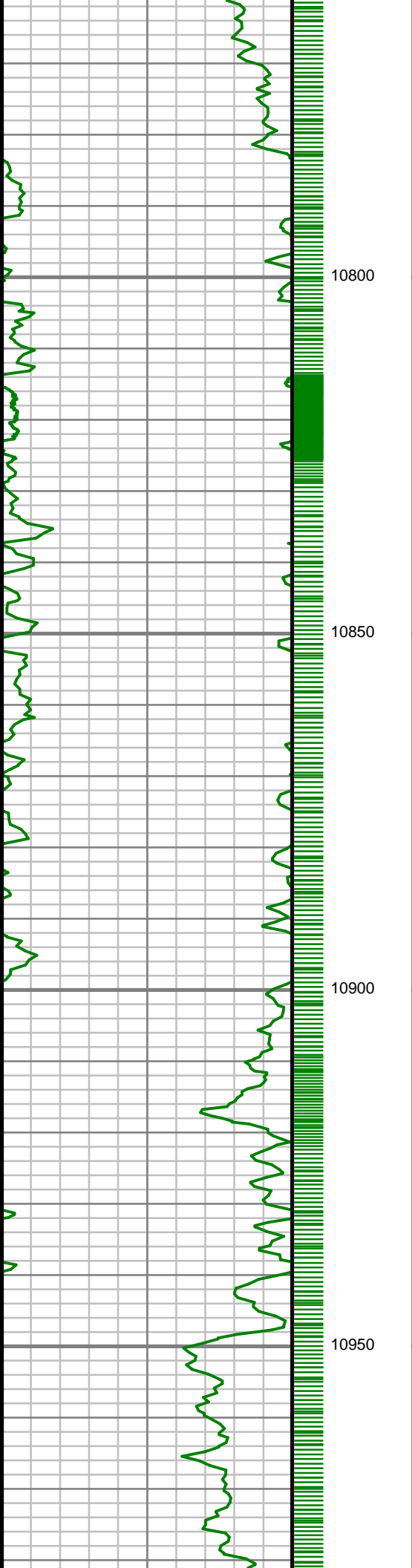
S: 110 MD: 10434.00 ft  
Inc: 89.93 deg Az:  
178.48 deg TVD:  
7242.75 ft

S: 111 MD: 10528.00 ft  
Inc: 90.17 deg Az:  
180.57 deg TVD:  
7242.67 ft



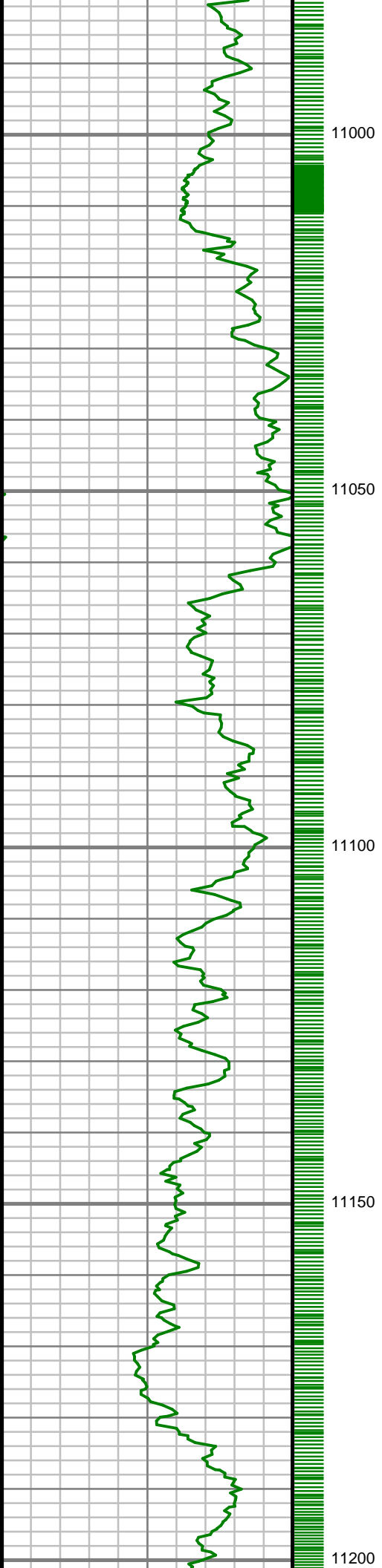
S: 112 MD: 10622.00 ft  
Inc: 90.30 deg Az:  
179.60 deg TVD:  
7242.28 ft

S: 113 MD: 10714.00 ft  
Inc: 89.66 deg Az:  
179.82 deg TVD:  
7242.31 ft



S: 114 MD: 10809.00 ft  
Inc: 90.13 deg Az:  
179.35 deg TVD:  
7242.48 ft

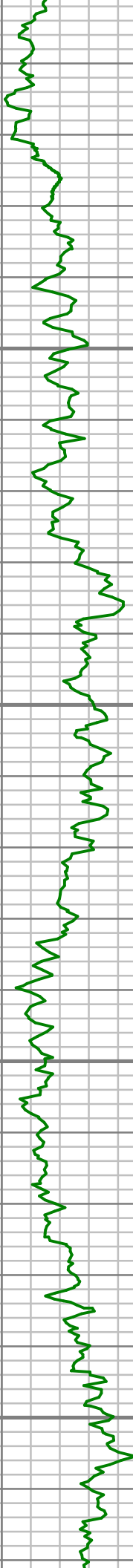
S: 115 MD: 10902.00 ft  
Inc: 88.79 deg Az:  
180.18 deg TVD:  
7243.35 ft



S: 116 MD: 10997.00 ft  
Inc: 89.46 deg Az:  
180.71 deg TVD:  
7244.80 ft

S: 117 MD: 11091.00 ft  
Inc: 88.32 deg Az:  
180.57 deg TVD:  
7246.62 ft

S: 118 MD: 11185.00 ft  
Inc: 88.02 deg Az:  
180.35 deg TVD:  
7249.62 ft

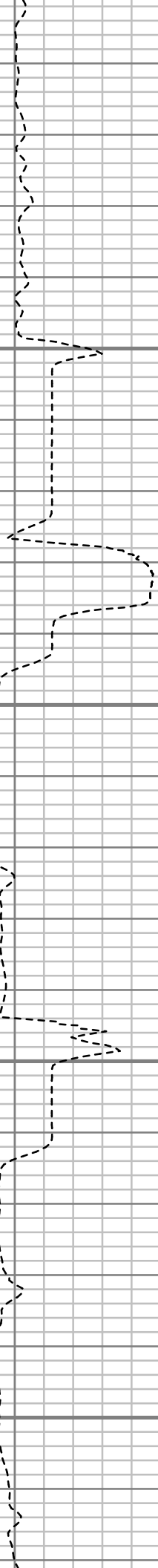


11250

11300

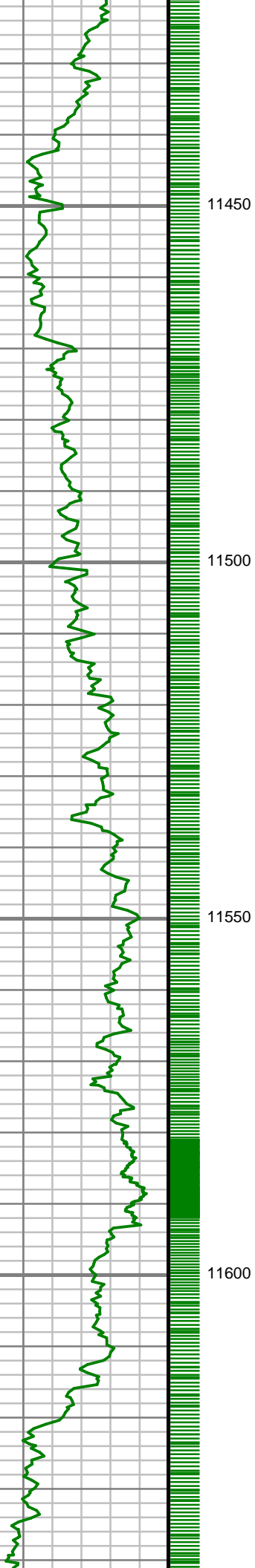
11350

11400



S: 119 MD: 11280.00 ft  
Inc: 88.12 deg Az:  
180.34 deg TVD:  
7252.83 ft

S: 120 MD: 11375.00 ft  
Inc: 88.28 deg Az:  
180.33 deg TVD:  
7255.81 ft



11450

11500

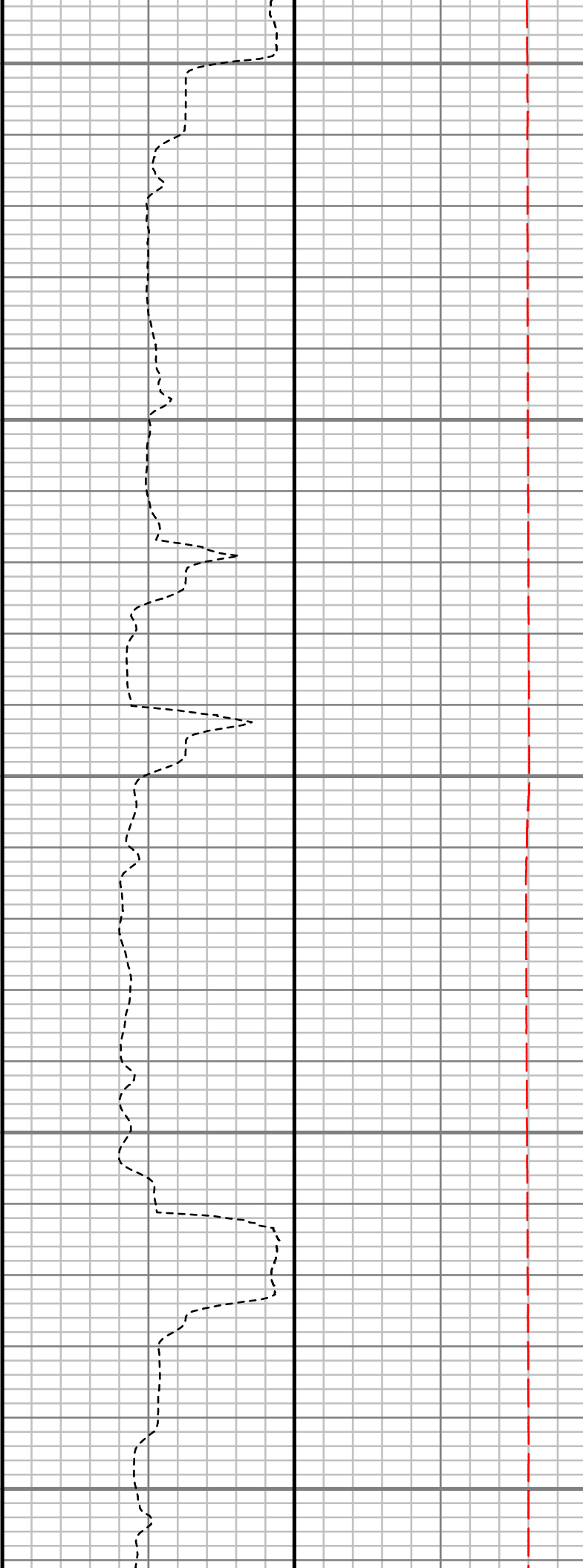
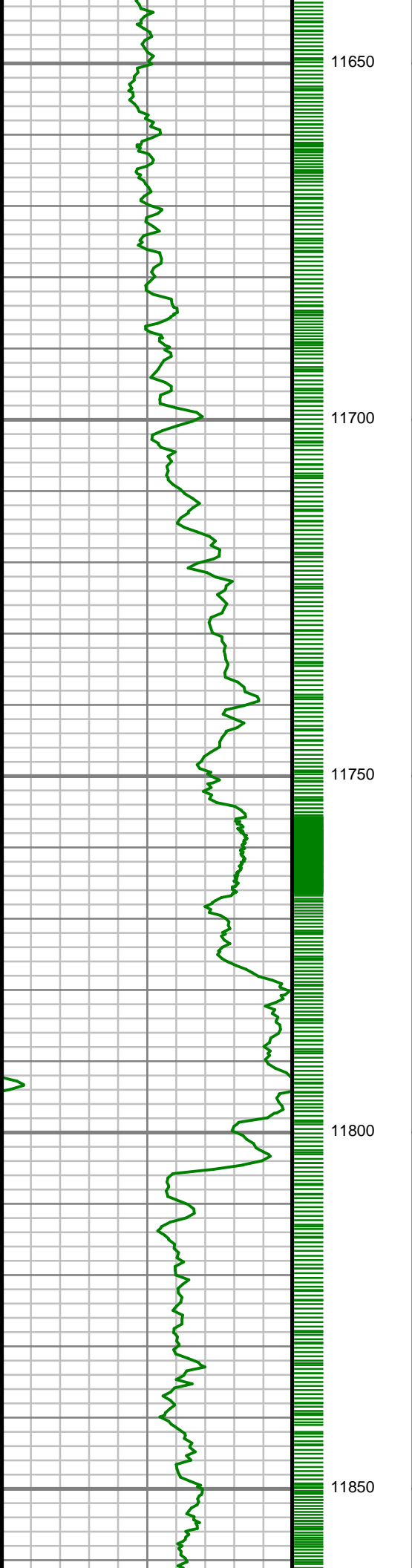
11550

11600



S: 121 MD: 11470.00 ft  
Inc: 88.22 deg Az:  
179.92 deg TVD:  
7258.72 ft

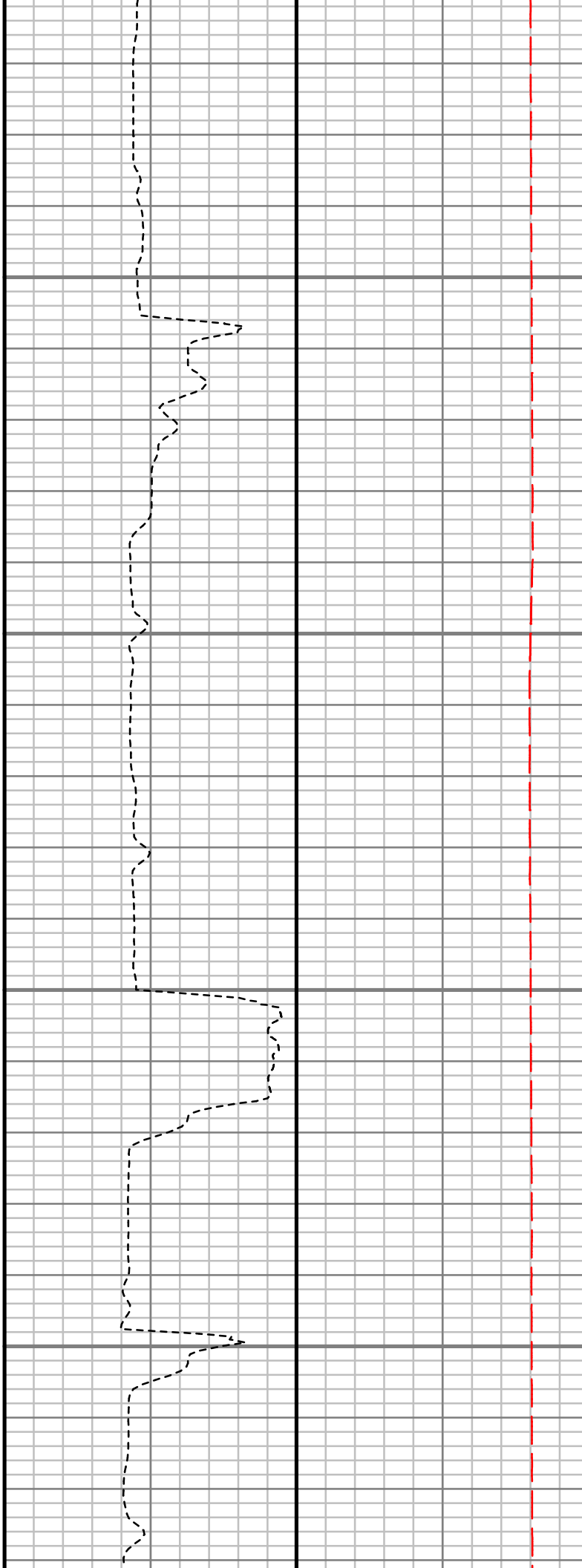
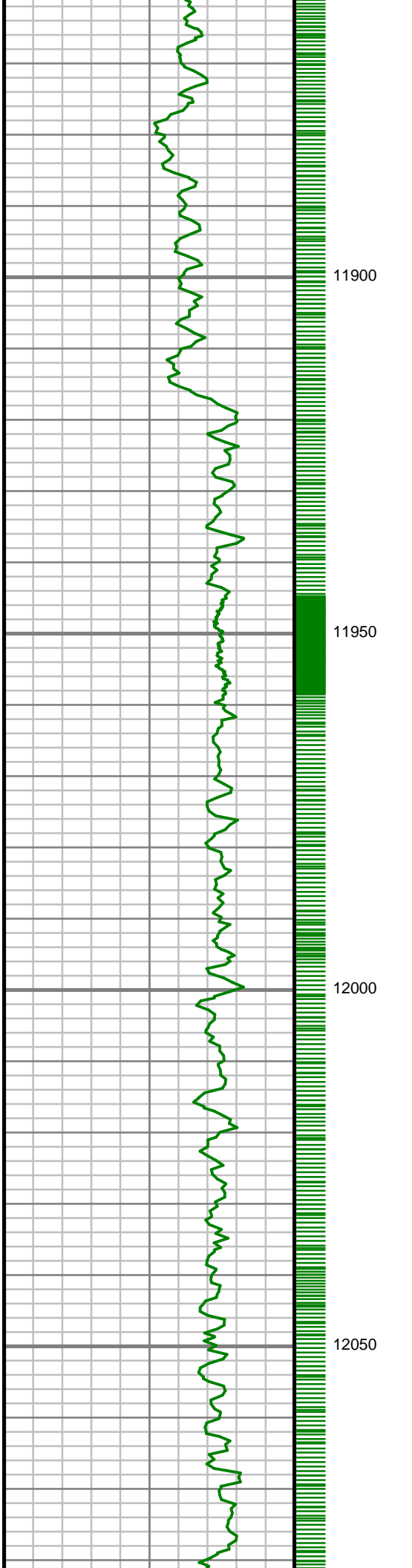
S: 122 MD: 11565.00 ft  
Inc: 88.12 deg Az:  
179.69 deg TVD:  
7261.75 ft



S: 123 MD: 11658.00 ft  
Inc: 89.23 deg Az:  
179.53 deg TVD:  
7263.91 ft

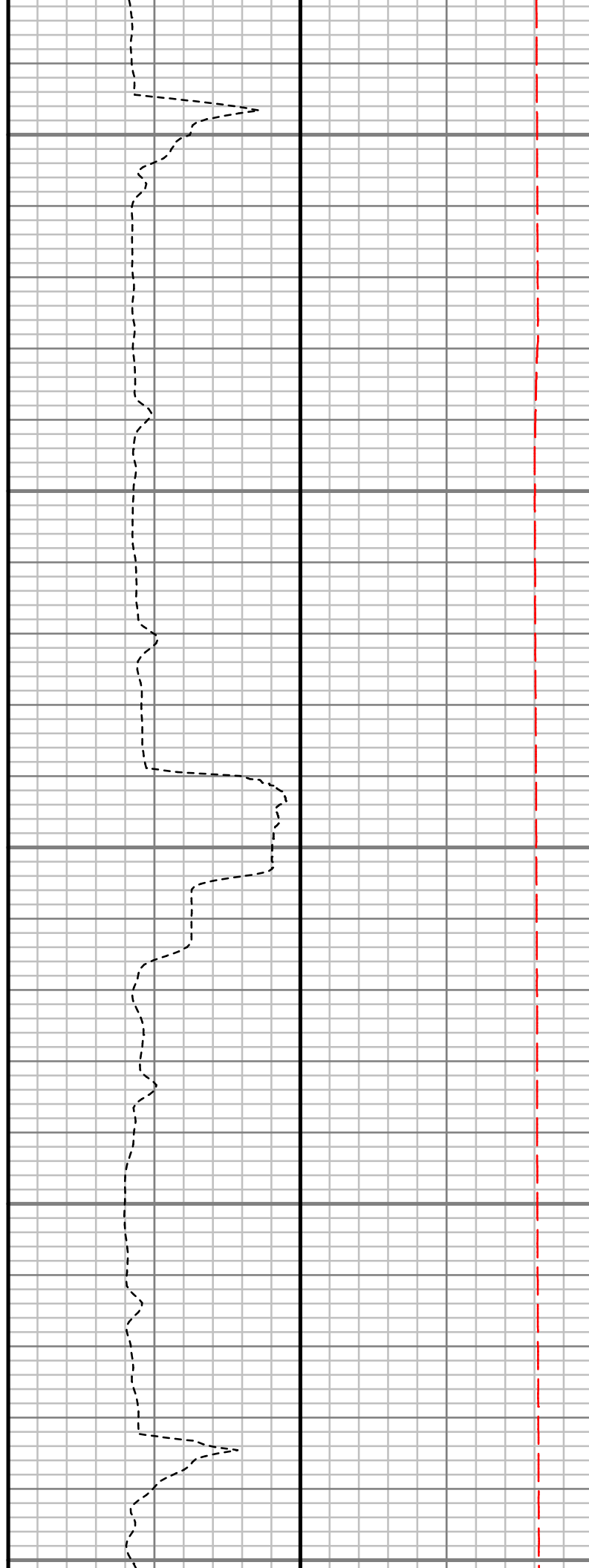
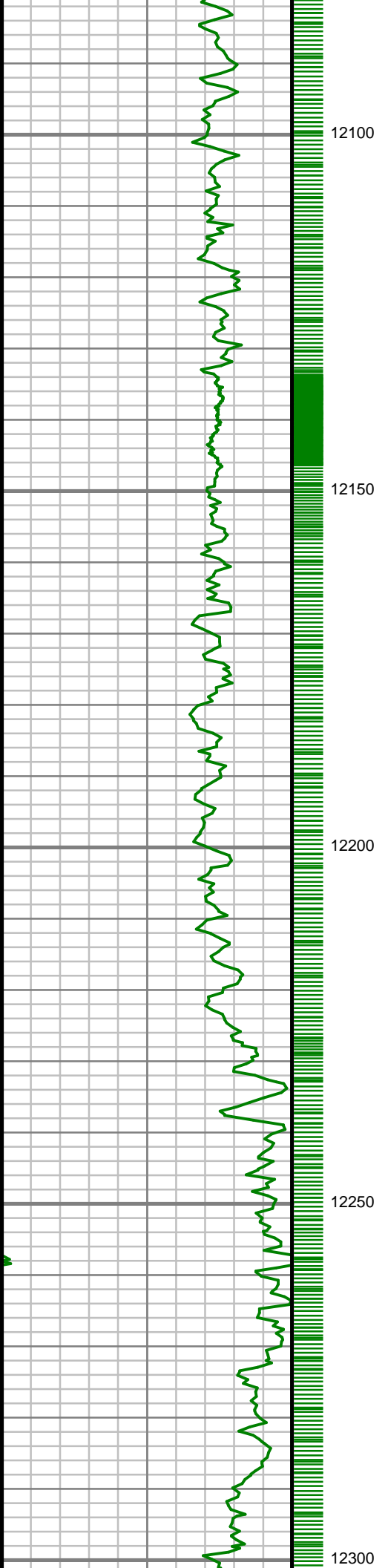
S: 124 MD: 11752.00 ft  
Inc: 88.55 deg Az:  
178.92 deg TVD:  
7265.73 ft

S: 125 MD: 11846.00 ft  
Inc: 89.36 deg Az:  
179.17 deg TVD:  
7267.44 ft



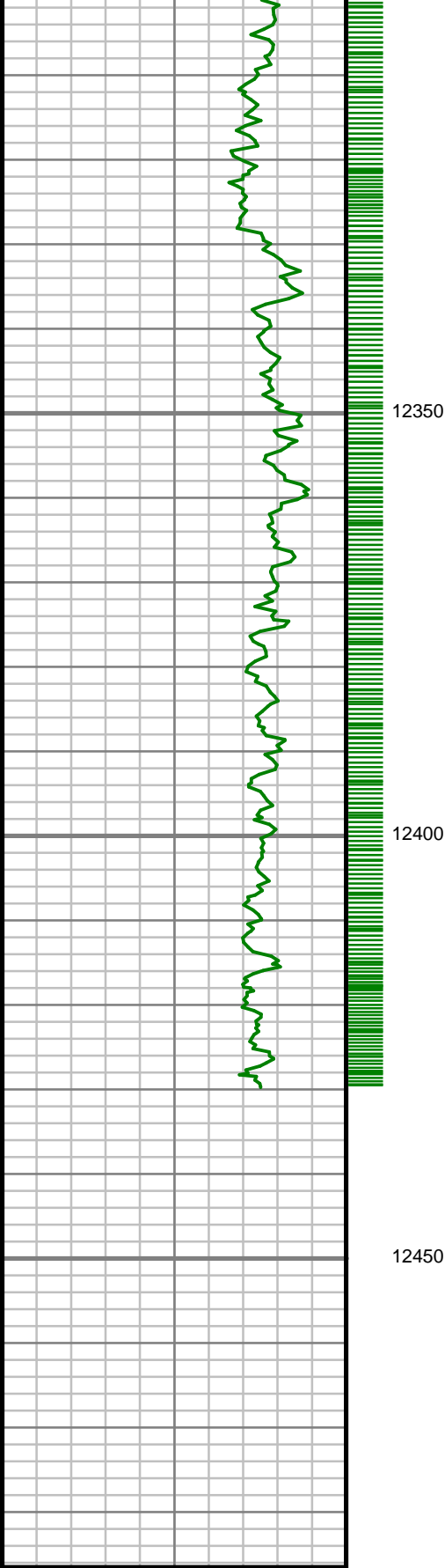
S: 126 MD: 11940.00 ft  
Inc: 89.23 deg Az:  
178.68 deg TVD:  
7268.60 ft

S: 127 MD: 12036.00 ft  
Inc: 89.43 deg Az:  
179.73 deg TVD:  
7269.72 ft



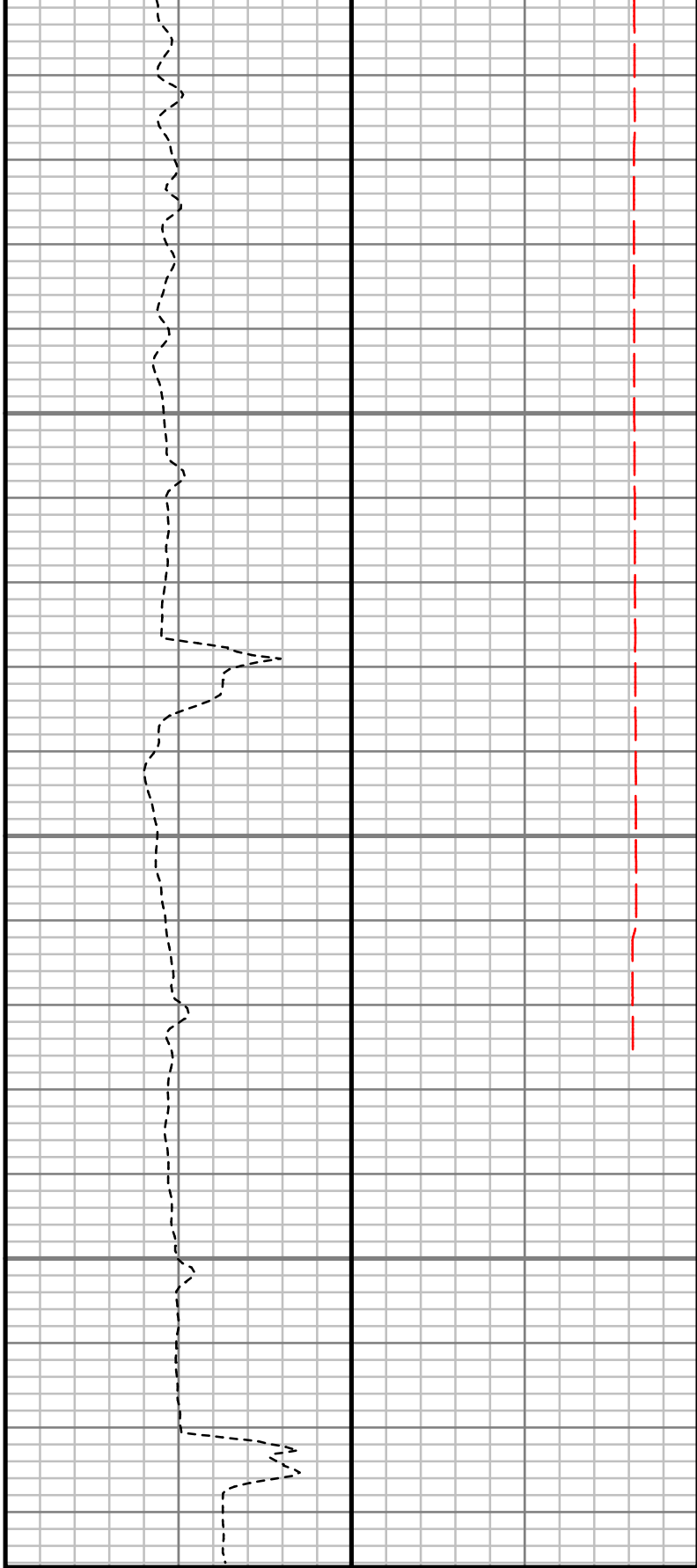
S: 128 MD: 12130.00 ft  
Inc: 89.43 deg Az:  
179.03 deg TVD:  
7270.66 ft

S: 129 MD: 12222.00 ft  
Inc: 89.50 deg Az:  
180.75 deg TVD:  
7271.53 ft



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: 130 MD: 12317.00 ft  
Inc: 89.09 deg Az:  
180.00 deg TVD:  
7272.70 ft

S: 131 MD: 12411.00 ft  
Inc: 88.76 deg Az:  
179.33 deg TVD:  
7274.46 ft

Comments
----------

## SURVEY REPORT

FL GREENS FEDERAL 35N-8HZ

COMPUTED SURVEYS

CUSTOMER ANADARKO PETROLEUM CORPORATION  
PROJECT US ROCKIES WATTENBERG PLANNING  
UTM83  
FIELD WATTENBERG

## WELL INFORMATION

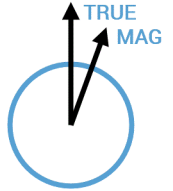
Lat/Long 40.070124° N, 104.805904° W  
Northing 14,552,327.82 ft  
Easting 1,694,717.81 ft  
UWI 05123422750000

## 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 179.97°  
Calculation Method Minimum Curvature



## GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: 999.041 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-1900 ft	ANADARKO MAGVAR	05 Jul 2017	8.19°	add 8.19°
1900-9491 ft	ANADARKO MAGVAR	05 Jul 2017	8.19°	add 8.19°
9491-12411 ft	ANADARKO MAGVAR	05 Jul 2017	8.17°	add 8.17°

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	0.11	357.30	190.00	-0.18	0.18	-0.01	0.06
279.00	0.11	292.83	279.00	-0.30	0.30	-0.09	0.13
366.00	0.08	79.41	366.00	-0.34	0.34	-0.11	0.21
497.00	0.03	40.10	497.00	-0.39	0.39	0.00	0.05
586.00	0.99	23.04	586.00	-1.11	1.11	0.32	1.08
672.00	2.26	31.31	671.96	-3.24	3.25	1.49	1.50
761.00	3.50	9.51	760.85	-7.42	7.42	2.85	1.84
850.00	4.94	18.00	849.60	-13.75	13.75	4.49	1.76
938.00	6.00	14.97	937.20	-21.79	21.80	6.84	1.25
1027.00	7.35	14.43	1025.60	-31.80	31.80	9.46	1.52
1115.00	8.66	13.62	1112.74	-43.69	43.69	12.43	1.49
1204.00	10.07	13.74	1200.55	-57.76	57.76	15.85	1.58
1293.00	11.55	14.13	1287.97	-73.95	73.96	19.88	1.66
1380.00	12.42	12.84	1373.07	-91.52	91.53	24.08	1.05
1468.00	13.39	14.80	1458.85	-110.60	110.61	28.79	1.21
1555.00	15.06	12.27	1543.18	-131.38	131.40	33.76	2.05
1644.00	15.96	11.58	1628.94	-154.66	154.68	38.68	1.03
1729.00	16.01	11.04	1710.65	-177.61	177.63	43.27	0.18
1793.00	15.21	9.82	1772.29	-194.55	194.57	46.39	1.35

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1943.00	14.96	15.55	1917.13	-232.59	232.61	54.94	1.01
2037.00	14.50	13.39	2008.04	-255.72	255.75	60.92	0.76
2131.00	13.78	12.53	2099.19	-278.10	278.13	66.07	0.80
2224.00	14.63	13.43	2189.34	-300.33	300.37	71.20	0.95
2318.00	13.65	12.61	2280.49	-322.71	322.75	76.38	1.06
2412.00	14.55	16.56	2371.66	-344.85	344.89	82.17	1.40
2506.00	14.07	15.87	2462.75	-367.15	367.20	88.66	0.54
2600.00	14.66	16.96	2553.81	-389.52	389.57	95.25	0.69
2692.00	14.07	16.27	2642.93	-411.38	411.44	101.78	0.66
2785.00	14.34	15.83	2733.09	-433.31	433.37	108.09	0.31
2880.00	15.21	14.70	2824.95	-456.68	456.74	114.46	0.97
2974.00	14.65	14.36	2915.77	-480.12	480.18	120.54	0.60
3069.00	15.42	16.40	3007.52	-503.87	503.94	127.09	0.98
3162.00	13.85	14.84	3097.50	-526.49	526.56	133.43	1.73
3257.00	14.30	15.72	3189.65	-548.77	548.85	139.52	0.52
3352.00	15.63	14.46	3281.42	-572.46	572.53	145.89	1.44
3445.00	14.27	13.65	3371.27	-595.72	595.80	151.73	1.49
3539.00	14.65	12.61	3462.30	-618.57	618.65	157.06	0.49
3634.00	13.62	11.68	3554.42	-641.24	641.32	161.94	1.11
3727.00	14.21	15.49	3644.70	-662.95	663.04	167.21	1.17

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3820.00	14.86	13.40	3734.72	-685.55	685.64	173.02	0.90
3915.00	14.66	13.75	3826.59	-709.06	709.16	178.70	0.23
4009.00	13.97	11.92	3917.67	-731.72	731.81	183.87	0.87
4103.00	14.39	12.57	4008.80	-754.22	754.32	188.76	0.48
4197.00	14.43	12.98	4099.84	-777.04	777.14	193.93	0.12
4291.00	14.57	11.10	4190.85	-800.05	800.15	198.84	0.52
4384.00	14.65	9.78	4280.84	-823.12	823.22	203.09	0.37
4479.00	13.67	7.51	4372.96	-846.09	846.20	206.60	1.18
4572.00	13.25	14.29	4463.41	-867.31	867.42	210.66	1.76
4666.00	13.78	11.27	4554.81	-888.73	888.84	215.51	0.94
4760.00	14.61	15.55	4645.94	-911.13	911.25	220.88	1.42
4854.00	14.42	17.85	4736.94	-933.69	933.81	227.64	0.65
4949.00	15.82	20.31	4828.64	-957.09	957.22	235.77	1.62
5043.00	14.06	17.73	4919.46	-979.99	980.11	243.69	2.00
5137.00	14.98	14.29	5010.46	-1002.63	1002.76	250.17	1.34
5254.00	13.72	7.17	5123.82	-1031.05	1031.18	255.63	1.85
5349.00	13.88	6.56	5216.08	-1053.54	1053.68	258.34	0.23
5444.00	13.70	11.17	5308.34	-1075.90	1076.04	261.82	1.17
5539.00	11.79	9.26	5401.00	-1096.52	1096.66	265.57	2.06
5633.00	10.76	13.76	5493.18	-1114.52	1114.66	269.20	1.44

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5727.00	8.12	22.21	5585.91	-1129.19	1129.34	273.80	3.17
5822.00	6.94	18.53	5680.08	-1140.85	1140.99	278.16	1.34
5917.00	5.17	15.34	5774.55	-1150.42	1150.57	281.11	1.89
6012.00	4.28	20.76	5869.23	-1157.86	1158.01	283.50	1.05
6107.00	3.55	27.71	5964.01	-1163.78	1163.93	286.13	0.92
6201.00	2.95	37.62	6057.85	-1168.27	1168.42	288.96	0.87
6295.00	2.48	60.59	6151.75	-1171.19	1171.34	292.21	1.25
6388.00	2.00	80.02	6244.68	-1172.46	1172.61	295.56	0.96
6480.00	1.35	78.41	6336.64	-1172.95	1173.11	298.20	0.70
6575.00	1.28	76.42	6431.62	-1173.42	1173.58	300.33	0.09
6670.00	0.91	45.97	6526.60	-1174.19	1174.35	301.90	0.71
6764.00	0.18	72.18	6620.60	-1174.76	1174.91	302.58	0.80
6858.00	10.40	185.62	6714.08	-1166.33	1166.49	301.89	11.15
6952.00	19.18	179.39	6804.88	-1142.39	1142.55	301.22	9.48
7047.00	27.66	180.77	6891.97	-1104.66	1104.82	301.08	8.94
7141.00	38.04	181.31	6970.83	-1053.75	1053.90	300.13	11.05
7236.00	45.86	183.51	7041.43	-990.35	990.51	297.36	8.37
7330.00	55.58	182.08	7100.87	-917.76	917.92	293.88	10.41
7424.00	64.60	180.28	7147.69	-836.39	836.54	292.27	9.73
7519.00	74.22	178.49	7181.07	-747.57	747.73	293.27	10.29

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7613.00	82.65	179.78	7199.89	-655.57	655.73	294.65	9.07
7707.00	88.65	179.50	7207.01	-561.89	562.04	295.23	6.39
7799.00	89.33	178.44	7208.64	-469.92	470.08	296.89	1.37
7894.00	89.43	178.52	7209.67	-374.96	375.11	299.41	0.14
7989.00	89.46	180.57	7210.59	-279.97	280.13	300.16	2.15
8083.00	89.63	180.79	7211.34	-185.98	186.14	299.05	0.30
8177.00	89.76	180.81	7211.83	-91.99	92.15	297.74	0.14
8270.00	89.76	180.60	7212.22	1.00	-0.85	296.59	0.22
8364.00	89.63	180.71	7212.71	94.99	-94.84	295.51	0.18
8457.00	89.83	180.95	7213.15	187.98	-187.83	294.16	0.34
8552.00	90.37	181.65	7212.98	282.95	-282.80	292.01	0.93
8644.00	89.80	178.96	7212.85	374.94	-374.79	291.51	2.99
8738.00	90.17	179.02	7212.88	468.93	-468.78	293.17	0.40
8832.00	89.53	178.13	7213.12	562.90	-562.75	295.51	1.16
8927.00	90.27	178.63	7213.29	657.86	-657.71	298.19	0.94
9021.00	90.47	177.70	7212.68	751.81	-751.66	301.20	1.02
9115.00	90.34	178.79	7212.02	845.77	-845.61	304.07	1.17
9209.00	89.46	180.35	7212.19	939.76	-939.60	304.78	1.90
9302.00	89.23	179.21	7213.25	1032.75	-1032.59	305.13	1.25
9397.00	89.33	179.32	7214.45	1127.74	-1127.58	306.35	0.15

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9491.00	89.80	179.11	7215.16	1221.73	-1221.57	307.64	0.54
9586.00	87.95	179.98	7217.03	1316.70	-1316.54	308.39	2.15
9679.00	87.48	179.02	7220.74	1409.62	-1409.46	309.20	1.15
9773.00	86.94	180.81	7225.32	1503.51	-1503.34	309.34	1.98
9865.00	87.24	180.72	7229.98	1595.38	-1595.22	308.12	0.34
9961.00	88.39	180.67	7233.65	1691.30	-1691.14	306.96	1.19
10055.00	88.05	179.34	7236.57	1785.25	-1785.09	306.95	1.45
10150.00	88.02	180.17	7239.83	1880.19	-1880.03	307.35	0.87
10245.00	89.02	179.87	7242.28	1975.16	-1975.00	307.32	1.11
10340.00	90.24	179.58	7242.89	2070.16	-2070.00	307.79	1.31
10434.00	89.93	178.48	7242.75	2164.14	-2163.98	309.38	1.21
10528.00	90.17	180.57	7242.67	2258.13	-2257.97	310.17	2.24
10622.00	90.30	179.60	7242.28	2352.13	-2351.97	310.02	1.04
10714.00	89.66	179.82	7242.31	2444.13	-2443.97	310.49	0.73
10809.00	90.13	179.35	7242.48	2539.13	-2538.97	311.19	0.70
10902.00	88.79	180.18	7243.35	2632.12	-2631.96	311.57	1.70
10997.00	89.46	180.71	7244.80	2727.10	-2726.94	310.84	0.90
11091.00	88.32	180.57	7246.62	2821.08	-2820.92	309.79	1.22
11185.00	88.02	180.35	7249.62	2915.03	-2914.87	309.04	0.40
11280.00	88.12	180.34	7252.83	3009.97	-3009.81	308.46	0.10

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11375.00	88.28	180.33	7255.81	3104.92	-3104.76	307.90	0.18
11470.00	88.22	179.92	7258.72	3199.88	-3199.72	307.70	0.44
11565.00	88.12	179.69	7261.75	3294.83	-3294.67	308.03	0.26
11658.00	89.23	179.53	7263.91	3387.80	-3387.64	308.66	1.20
11752.00	88.55	178.92	7265.73	3481.77	-3481.61	309.92	0.97
11846.00	89.36	179.17	7267.44	3575.75	-3575.58	311.49	0.90
11940.00	89.23	178.68	7268.60	3669.72	-3669.56	313.25	0.54
12036.00	89.43	179.73	7269.72	3765.71	-3765.54	314.58	1.11
12130.00	89.43	179.03	7270.66	3859.70	-3859.53	315.61	0.75
12222.00	89.50	180.75	7271.53	3951.69	-3951.52	315.79	1.87
12317.00	89.09	180.00	7272.70	4046.68	-4046.51	315.17	0.89
12411.00	88.76	179.33	7274.46	4140.66	-4140.49	315.72	0.80

5" = 100' MD