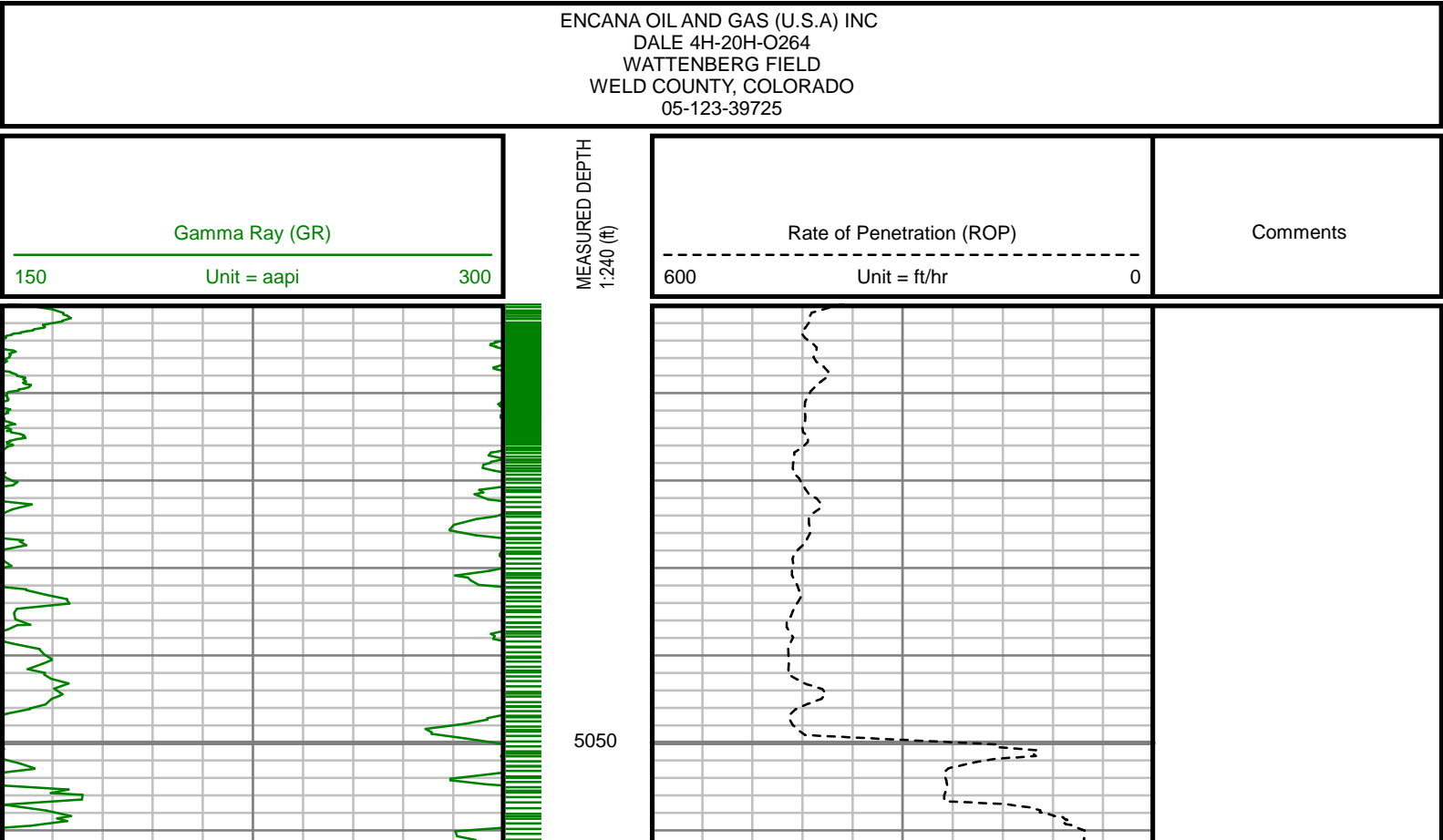


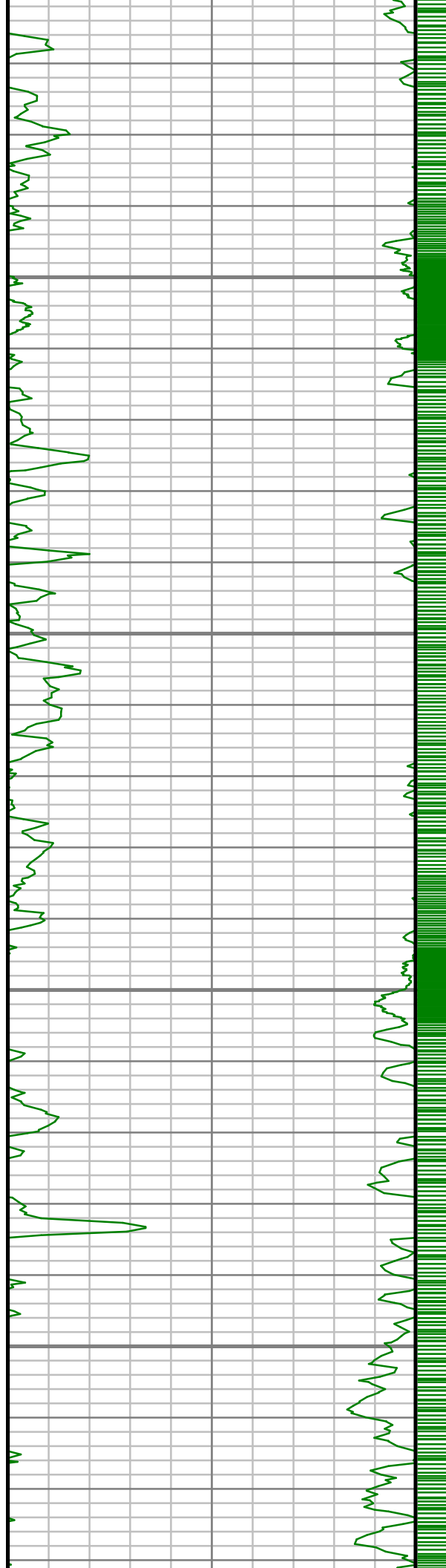
5" = 100' FEET MD

COMPANY : ENCANA OIL AND GAS (U.S.A.) INC WELL : DALE 4H-20H-0264 FIELD : WATTENBERG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-39725										COMPANY : ENCANA OIL AND GAS (U.S.A.) INC WELL : DALE 4H-20H-0264 FIELD : WATTENBERG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-39725									
DEPTH REF. : RKB REF. HEIGHT : 25.000 ft GROUND LEVEL : 4957.000 ft										RKB to Ground Level G.L. to MEAN SEA LEVEL									
BOREHOLE RECORD										DEVIATION RECORD									
HOLE SIZE in	FROM ft	TO ft	INCLINATION deg							FROM ft	TO ft								
12	0	1119	0 - 12							0	5271								
6.125	1119	7653	12 - 0							5271	6415								
4.75	7653	11733	0 - 83							6415	7497								
			83 - 92							7497	11733								
CASING RECORD																			
CASING SIZE in	FROM ft	TO ft																	
9.625	0	1110																	
7	0	7548																	
DRILLING CO.: H&P RIG: 278 LMD UNIT NO.: MWD-00046-DISTRICT: CASPER, CASPER SPUD DATE: 08/18/2014 LMD START DATE: 09/22/2014 LMD END DATE: 09/28/2014																			
DEPTH: 1119 ft DEPTH: 11733 ft TOTAL DEPTH: 11733 ft																			

Remarks
ENCANA OIL AND GAS (U.S.A.) INC PRODUCTION AFE# 14182131
SCIENTIFIC DRILLING INTERNATIONAL JOB# 186346, 201483
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN #1: GYRO DIRECTIONAL RUN
SENSORS S/N: EM5 PULSER = 890 / GYRO = 034
BIT TO SENSOR OFFSET: SURVEY = 44.64 FT.
RUN #2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-028 / CONT = 858 / MWD EYE = 0738 / GAMMA RAY = 1076 / GYRO = 034
BIT TO SENSOR OFFSETS: SURVEY = 44.64 FT. / GAMMA RAY = 55.26 FT. / GYRO = 43.78 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-281 / CONT = 126 / MWD EYE = 0213 / GAMMA RAY = 1271
BIT TO SENSOR OFFSETS: SURVEY = 61.48 FT. / GAMMA RAY = 52.83 FT.
REMARK #1: GAMMA RAY FROM 7507 FT. - 7548 FT. WAS LOGGED BEHIND CASING.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION

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.



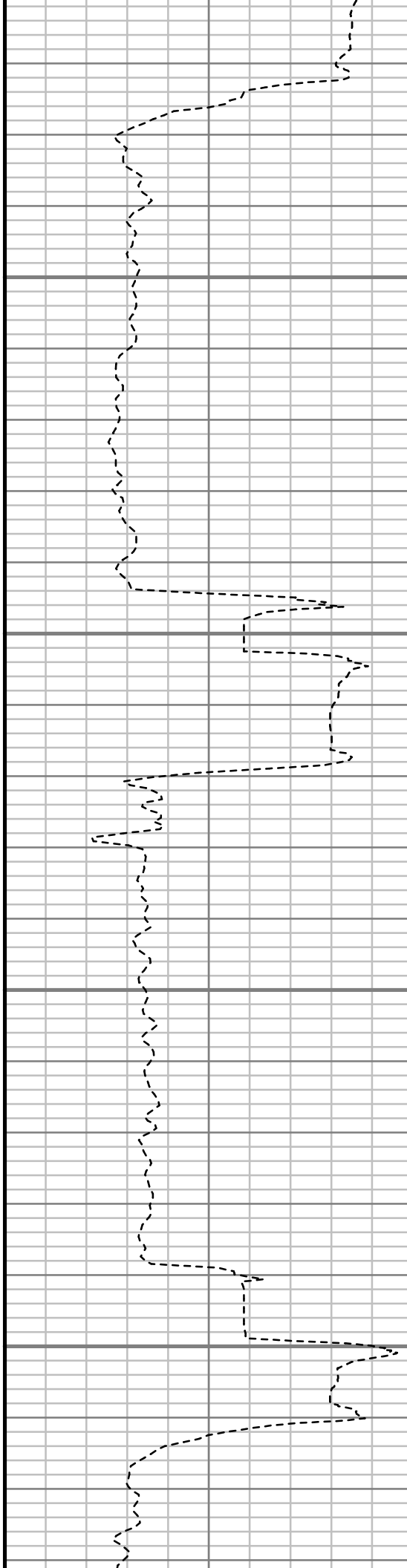


5100

5150

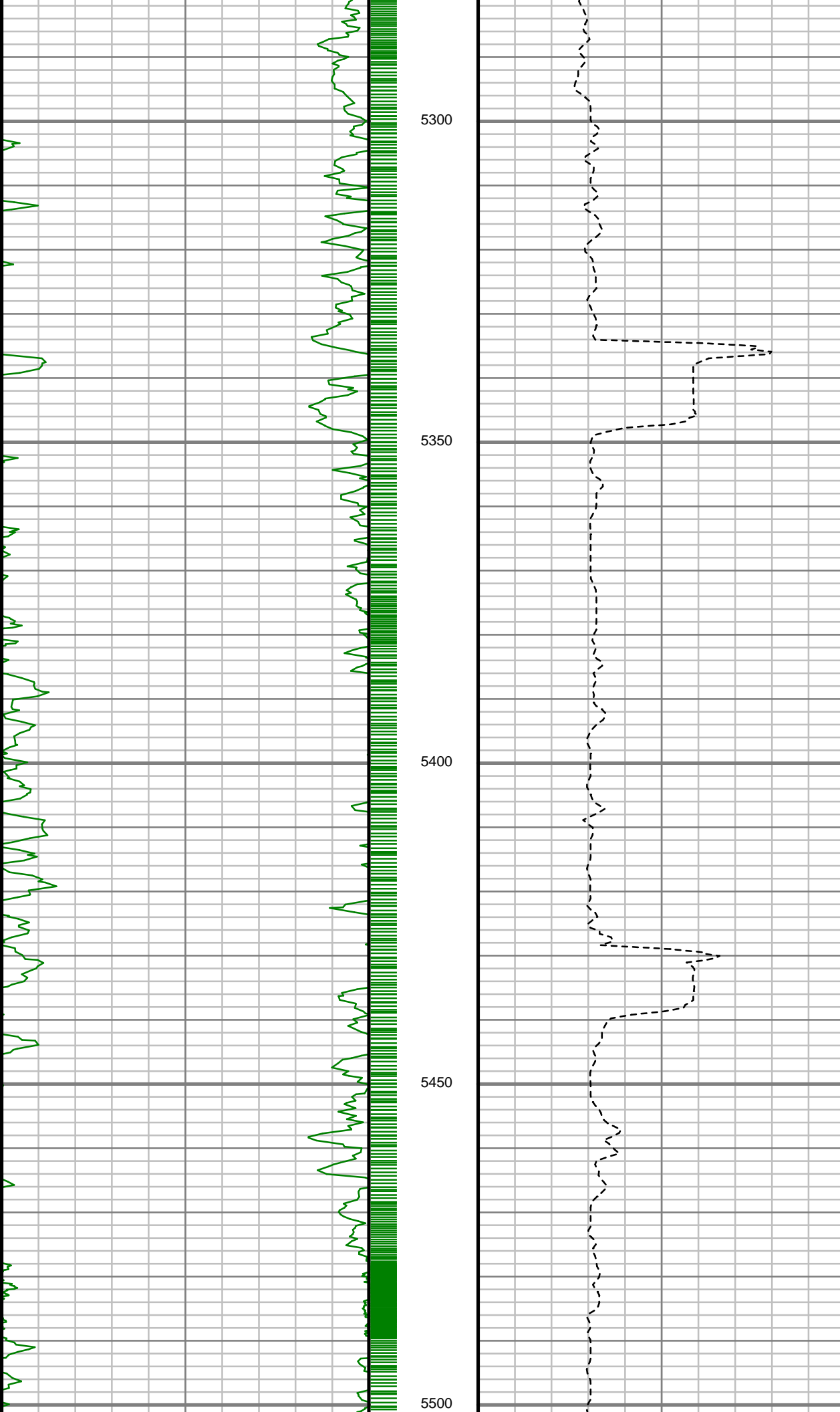
5200

5250

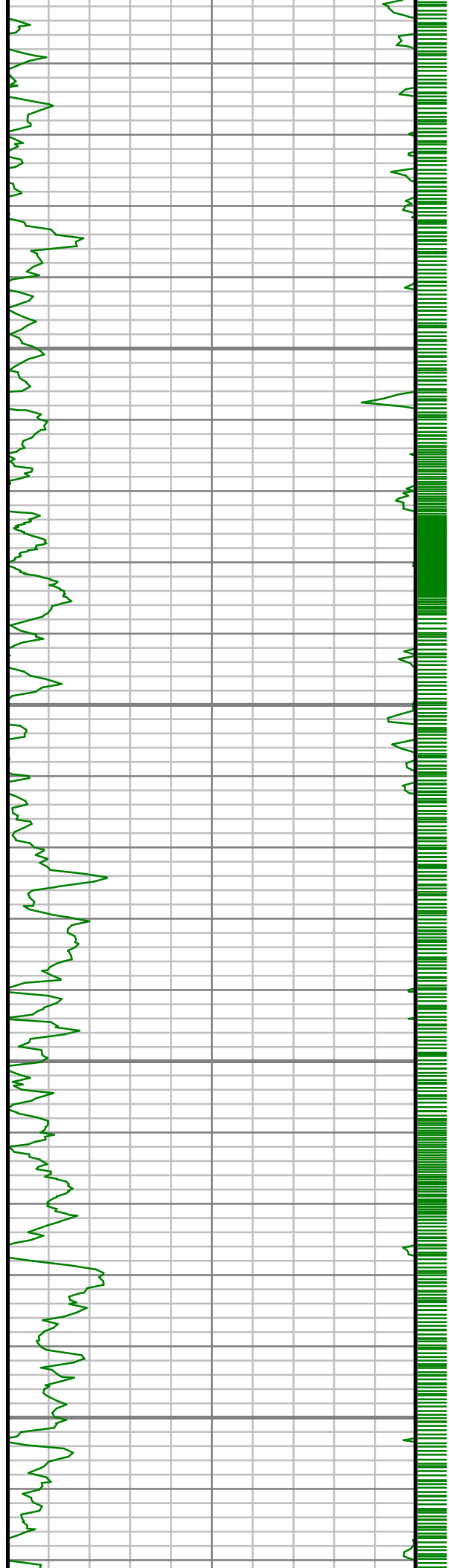


S: 37 MD: 5081.00 ft Inc: 8.36
deg Az: 110.15 deg TVD:
5018.14 ft

S: 38 MD: 5271.00 ft Inc: 10.65
deg Az: 110.53 deg TVD:
5205.52 ft



S: 39 MD: 5462.00 ft Inc: 9.05
deg Az: 107.48 deg TVD:
5393.70 ft

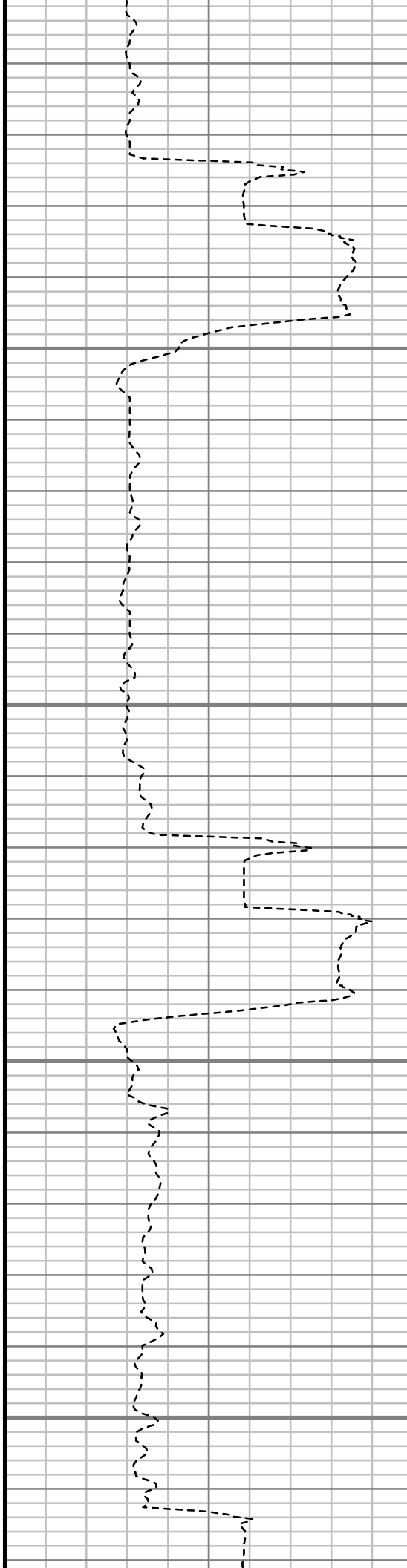


5550

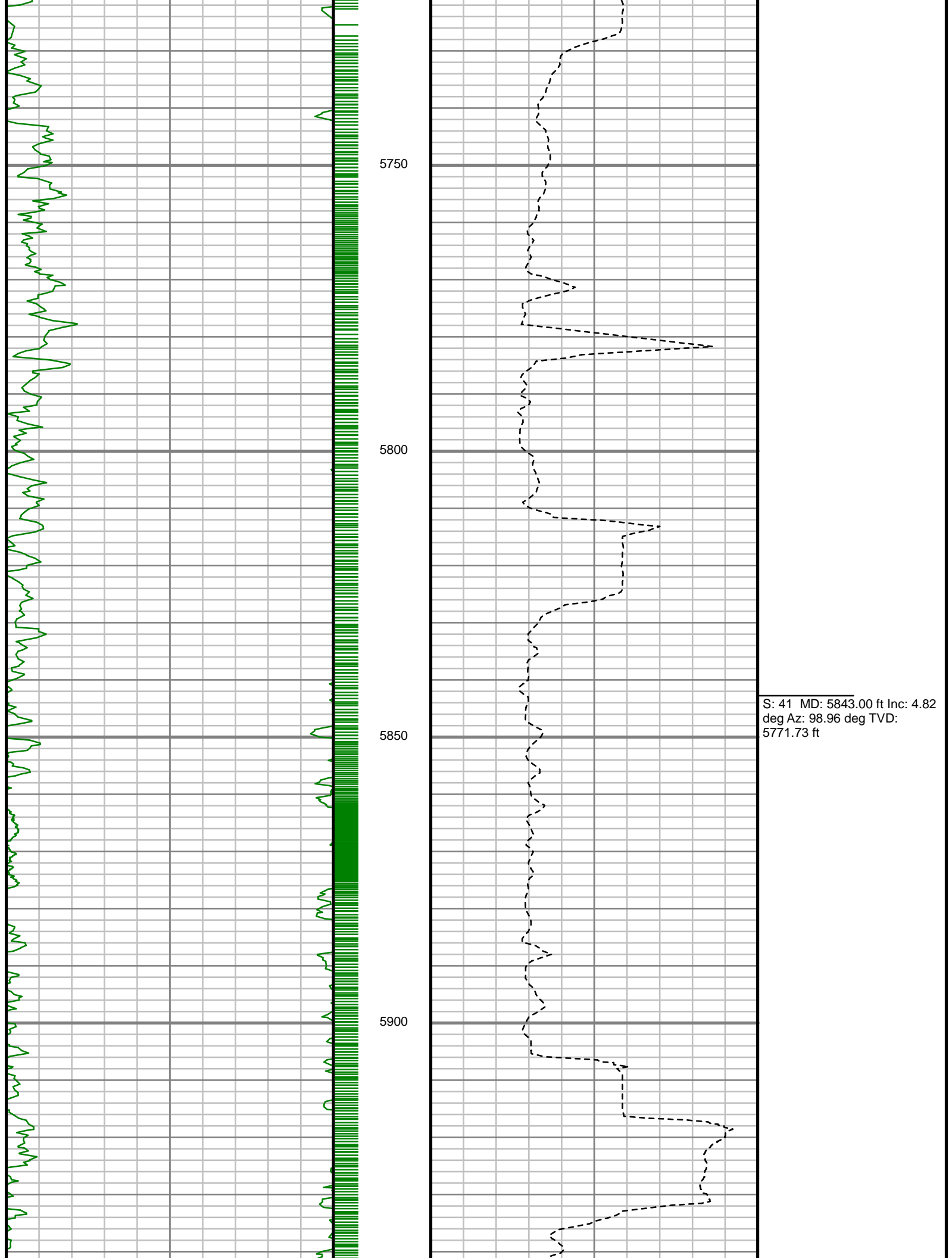
5600

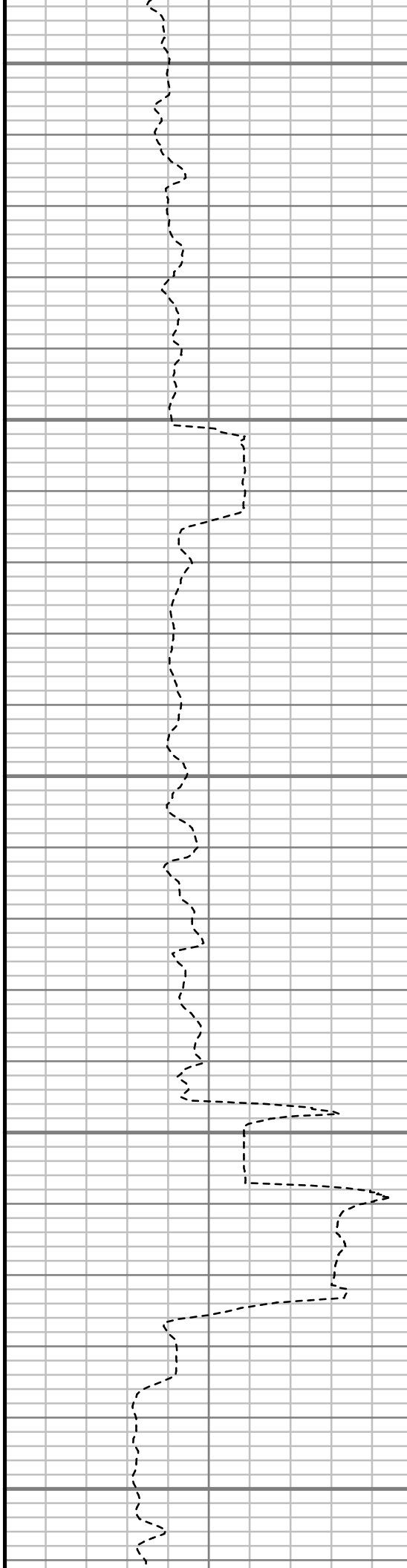
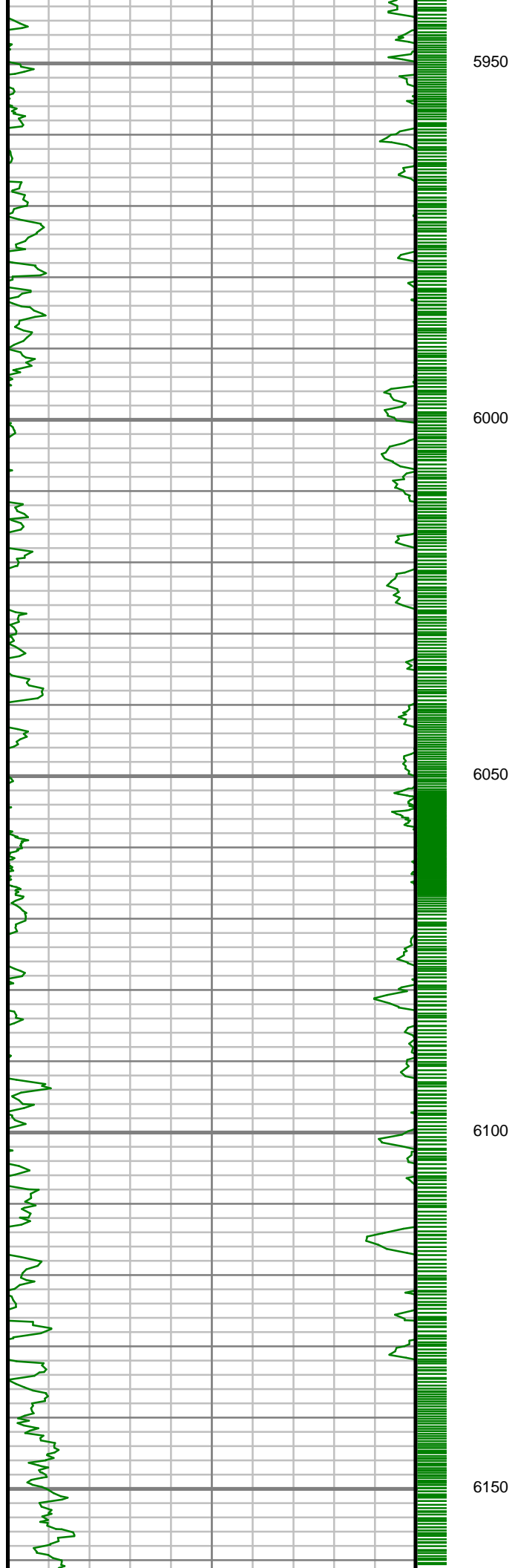
5650

5700

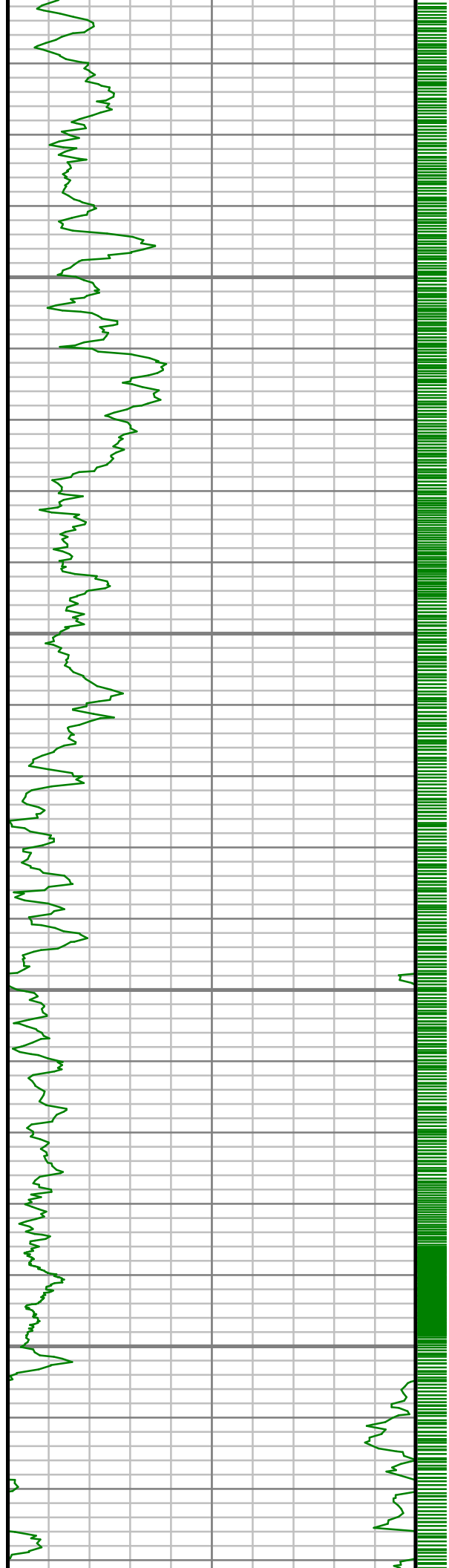


S: 40 MD: 5652.00 ft Inc: 7.22
deg Az: 114.08 deg TVD:
5581.79 ft





S: 42 MD: 6033.00 ft Inc: 3.52
deg Az: 119.82 deg TVD:
5961.23 ft



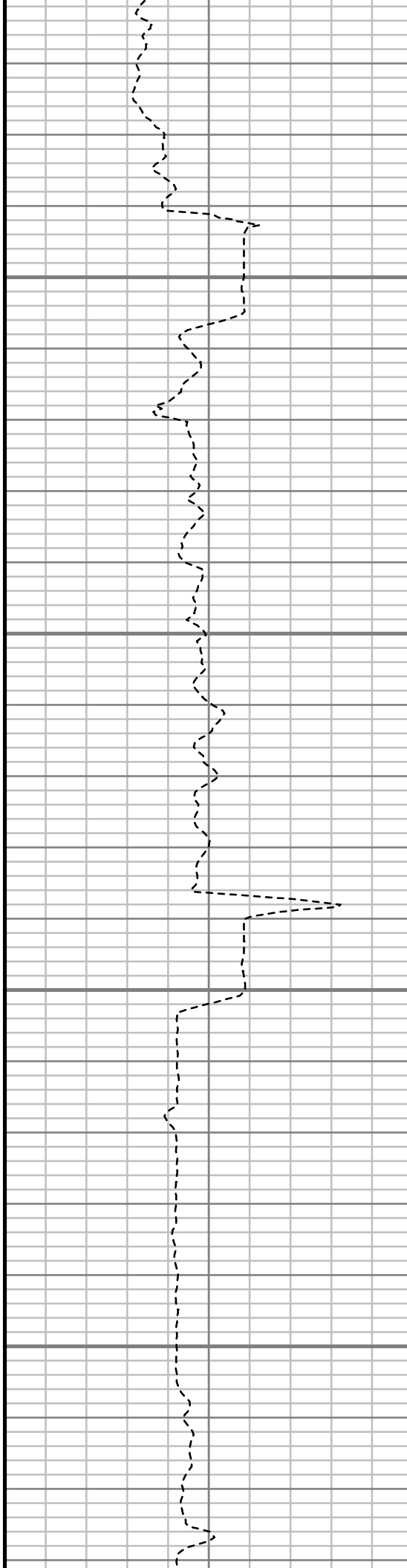
6200

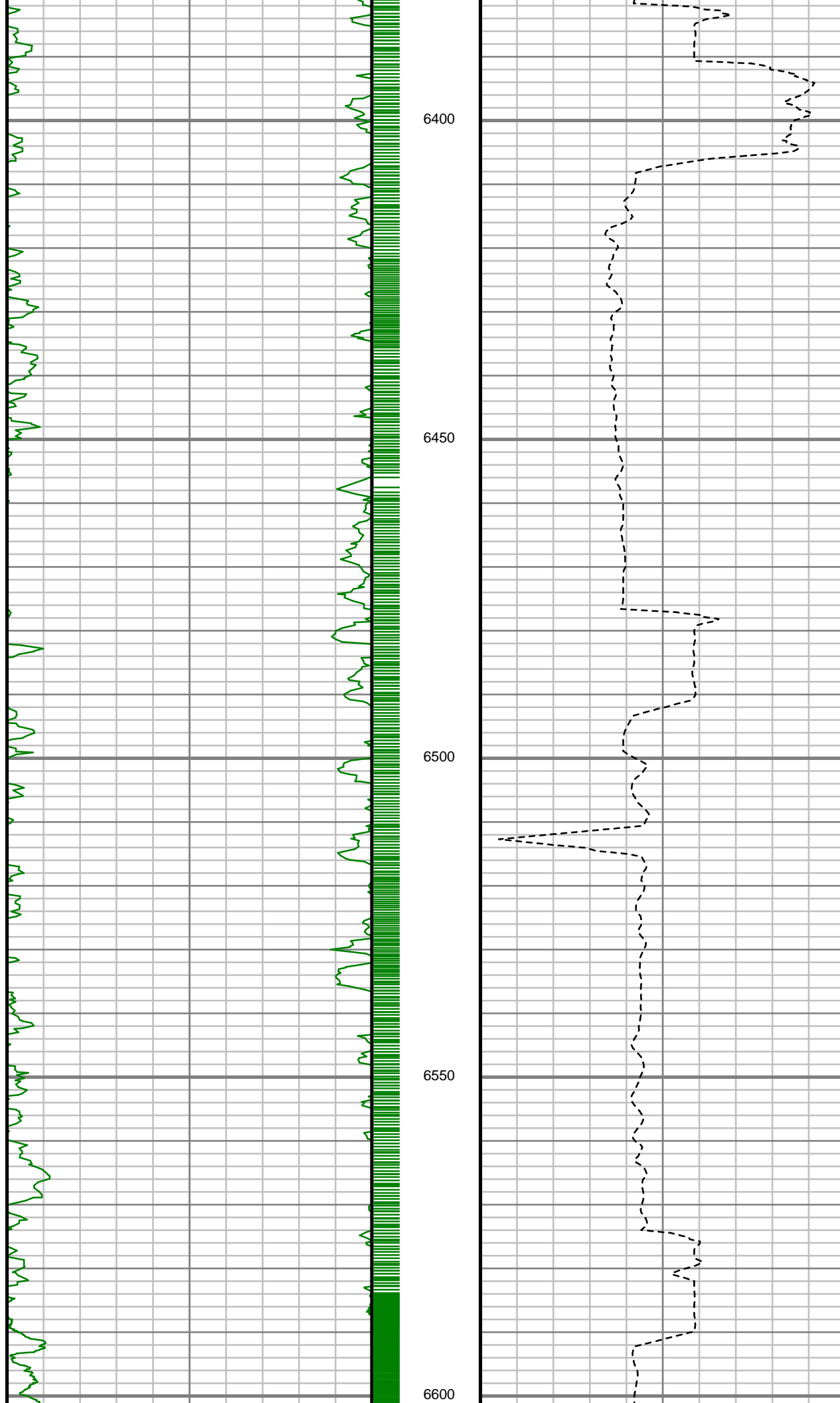
6250

6300

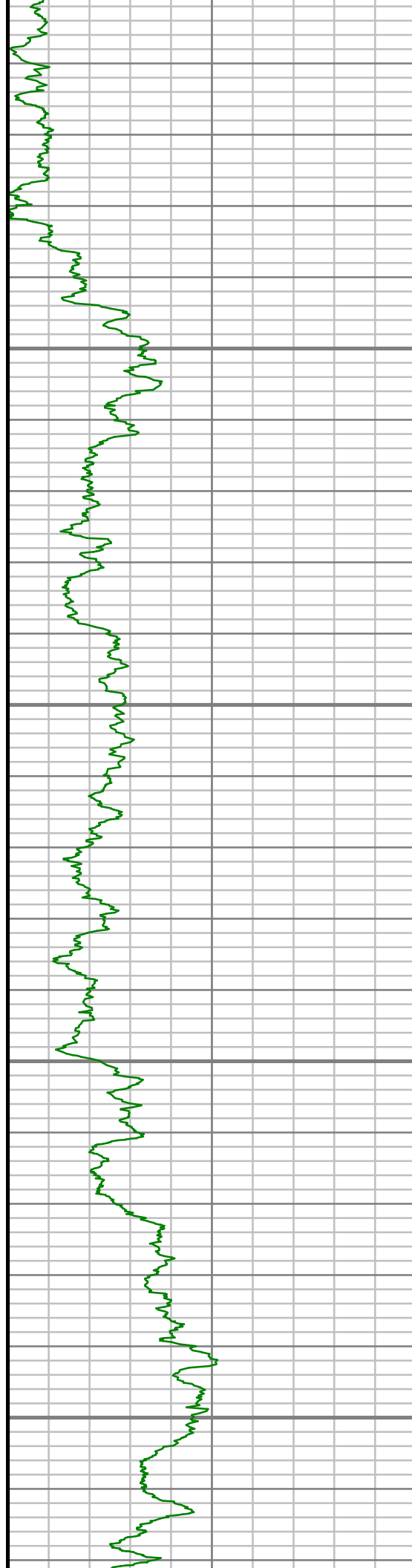
6350

S: 43 MD: 6224.00 ft Inc: 1.87
deg Az: 134.09 deg TVD:
6152.02 ft





S: 44 MD: 6415.00 ft Inc: 0.74
deg Az: 96.44 deg TVD:
6342.97 ft

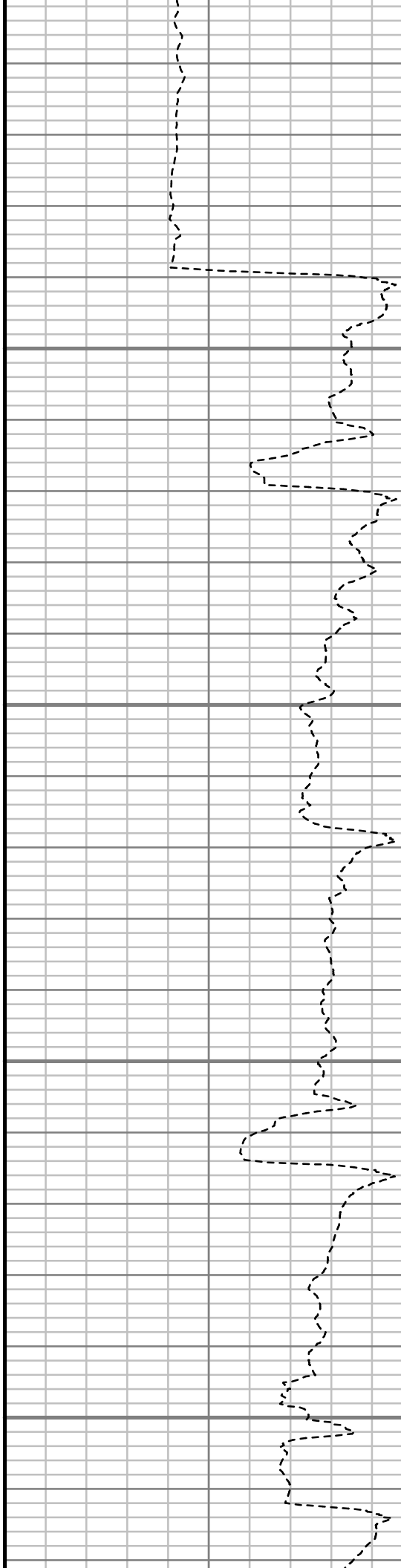


6650

6700

6750

6800



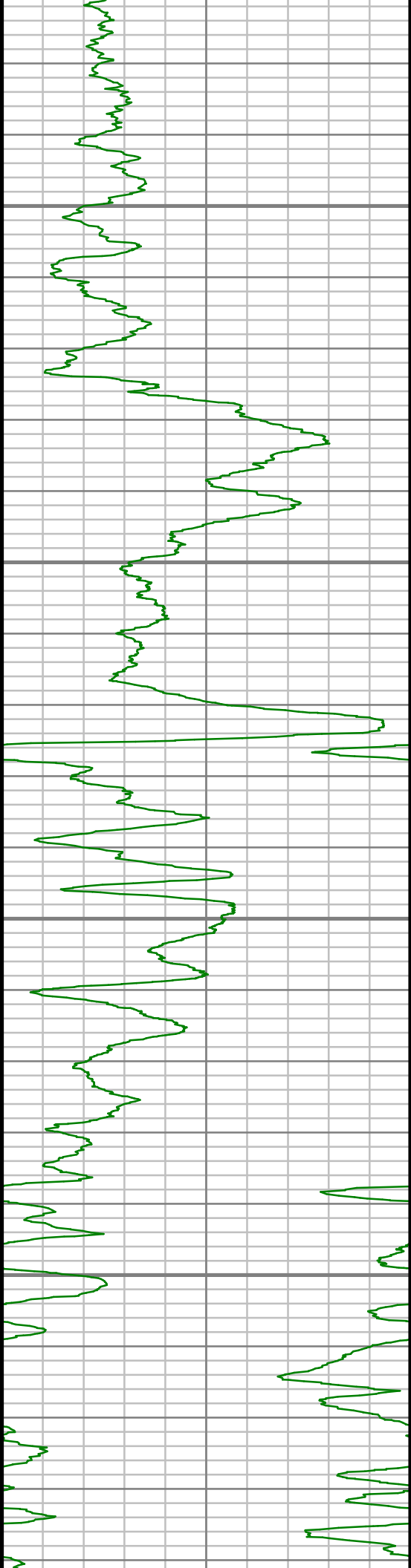
S: 45 MD: 6605.00 ft Inc: 1.21
deg Az: 39.59 deg TVD:
6532.94 ft

S: 46 MD: 6652.00 ft Inc: 2.25
deg Az: 2.48 deg TVD: 6579.92
ft

S: 47 MD: 6700.00 ft Inc: 6.23
deg Az: 358.40 deg TVD:
6627.78 ft

S: 48 MD: 6747.00 ft Inc: 13.15
deg Az: 359.64 deg TVD:
6674.08 ft

S: 49 MD: 6796.00 ft Inc: 17.21
deg Az: 3.94 deg TVD: 6721.37
ft

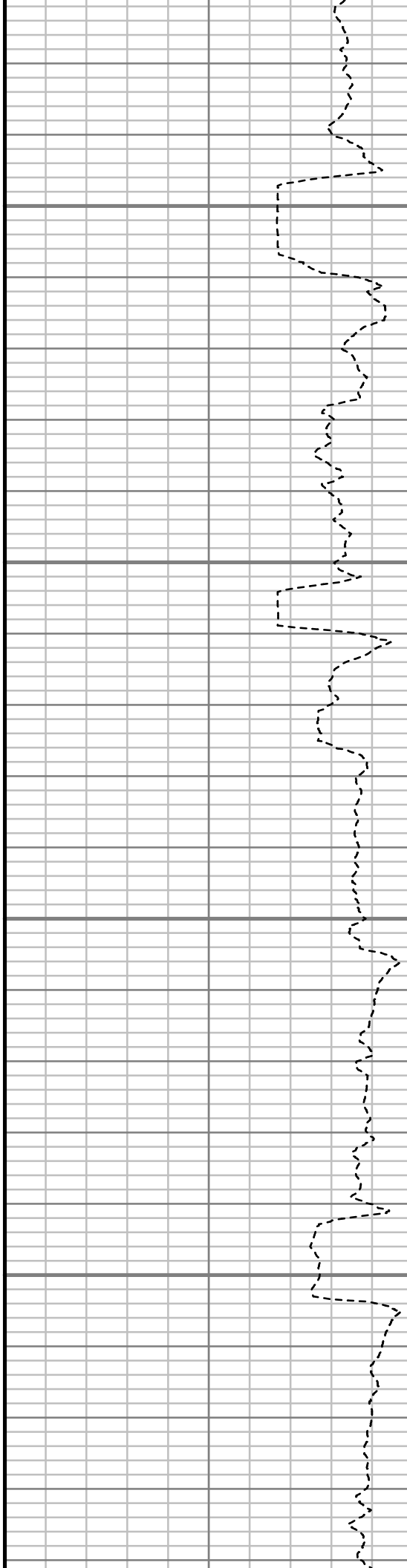


6850

6900

6950

7000



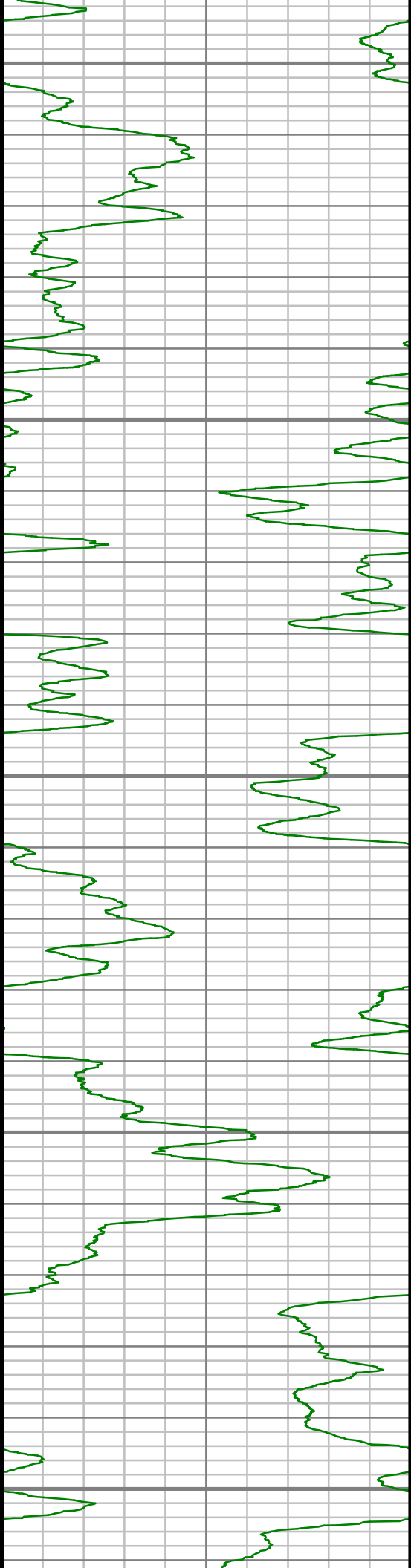
S: 50 MD: 6843.00 ft Inc: 20.34
deg Az: 2.94 deg TVD: 6765.86
ft

S: 51 MD: 6891.00 ft Inc: 23.88
deg Az: 359.33 deg TVD:
6810.33 ft

S: 52 MD: 6938.00 ft Inc: 29.53
deg Az: 356.38 deg TVD:
6852.30 ft

S: 53 MD: 6986.00 ft Inc: 35.39
deg Az: 354.57 deg TVD:
6892.78 ft

S: 54 MD: 7033.00 ft Inc: 40.44
deg Az: 355.74 deg TVD:
6929.85 ft



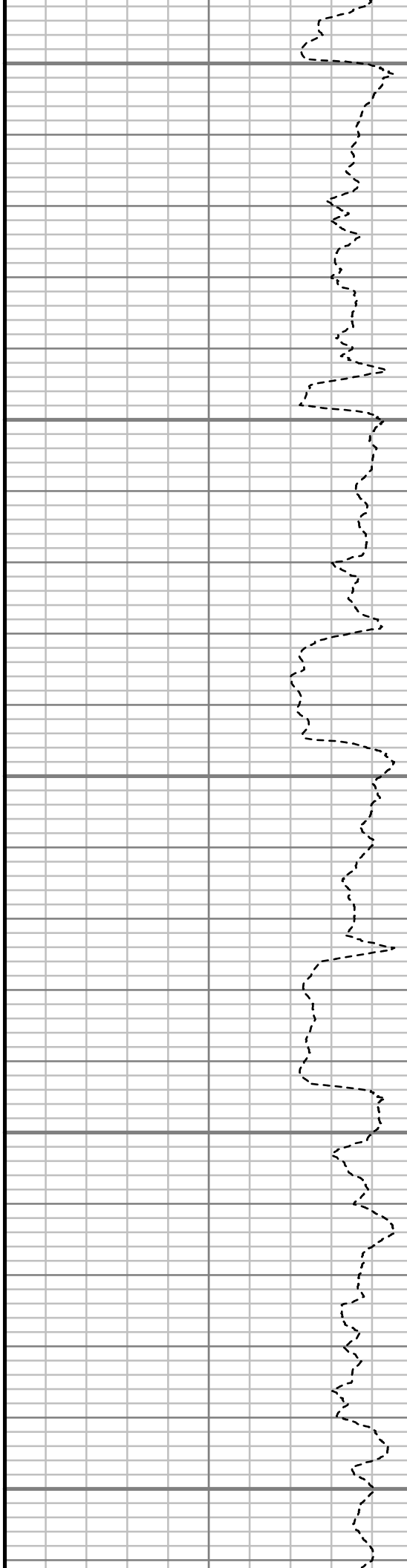
7050

7100

7150

7200

7250



S: 55 MD: 7081.00 ft Inc: 46.15
deg Az: 356.92 deg TVD:
6964.77 ft

S: 56 MD: 7128.00 ft Inc: 50.87
deg Az: 357.39 deg TVD:
6995.90 ft

S: 57 MD: 7176.00 ft Inc: 55.37
deg Az: 357.03 deg TVD:
7024.70 ft

S: 58 MD: 7223.00 ft Inc: 60.30
deg Az: 357.27 deg TVD:
7049.72 ft

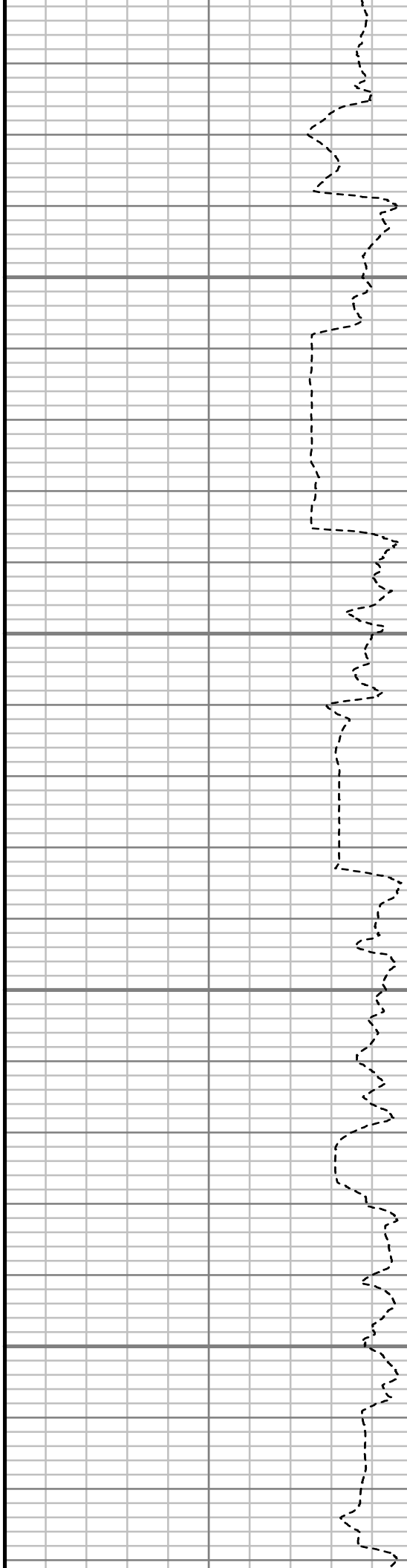


7300

7350

7400

7450



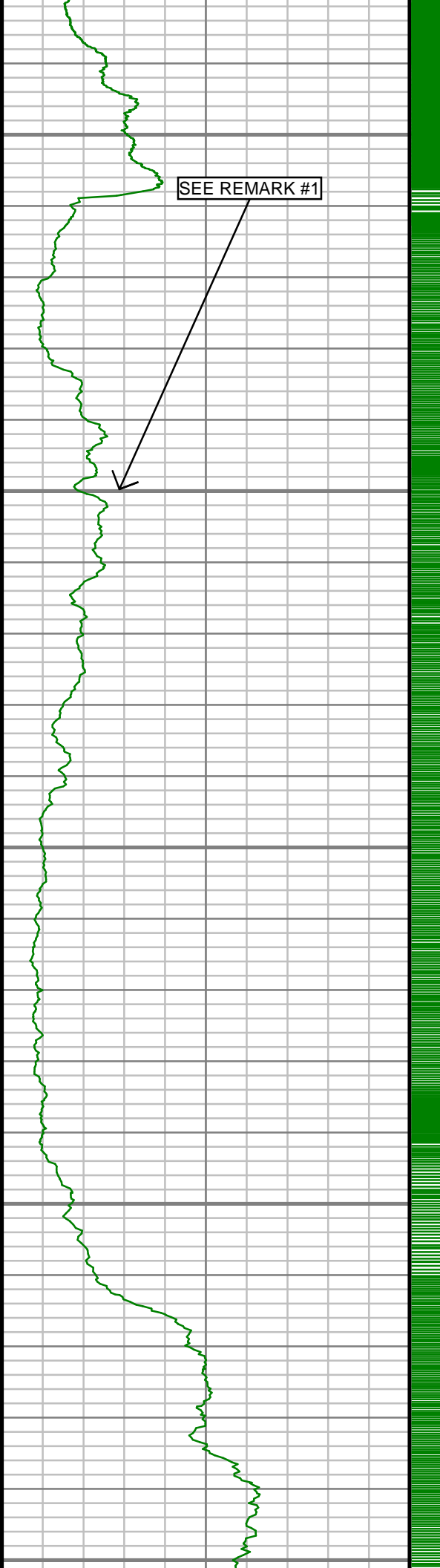
S: 59 MD: 7271.00 ft Inc: 67.32
deg Az: 358.60 deg TVD:
7070.89 ft

S: 60 MD: 7318.00 ft Inc: 70.53
deg Az: 359.61 deg TVD:
7087.79 ft

S: 61 MD: 7366.00 ft Inc: 73.30
deg Az: 359.54 deg TVD:
7102.69 ft

S: 62 MD: 7413.00 ft Inc: 76.52
deg Az: 358.50 deg TVD:
7114.93 ft

S: 63 MD: 7462.00 ft Inc: 80.06
deg Az: 358.67 deg TVD:
7124.87 ft



7500

7550

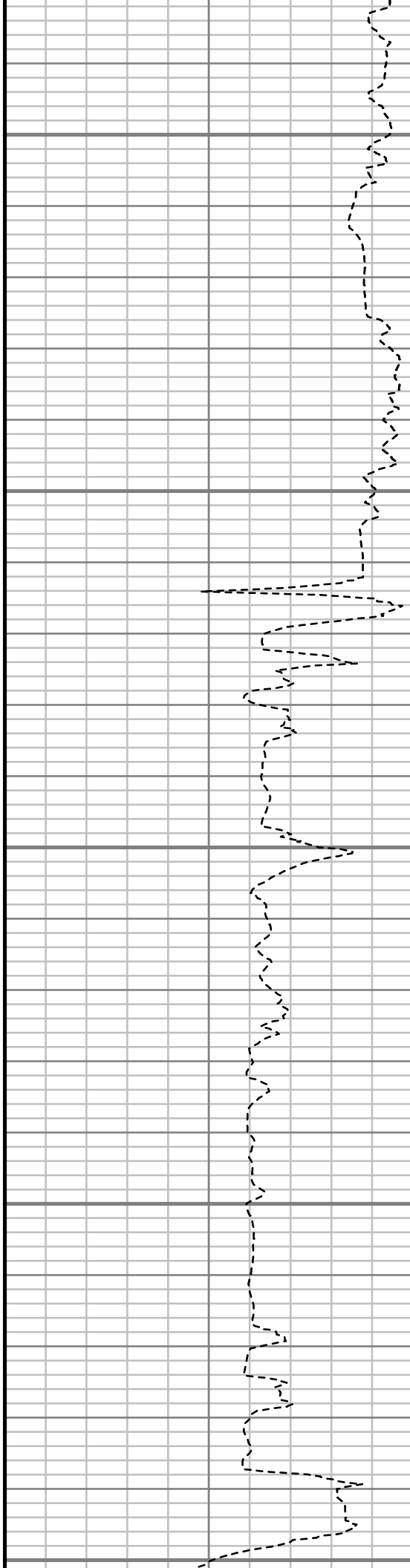
7600

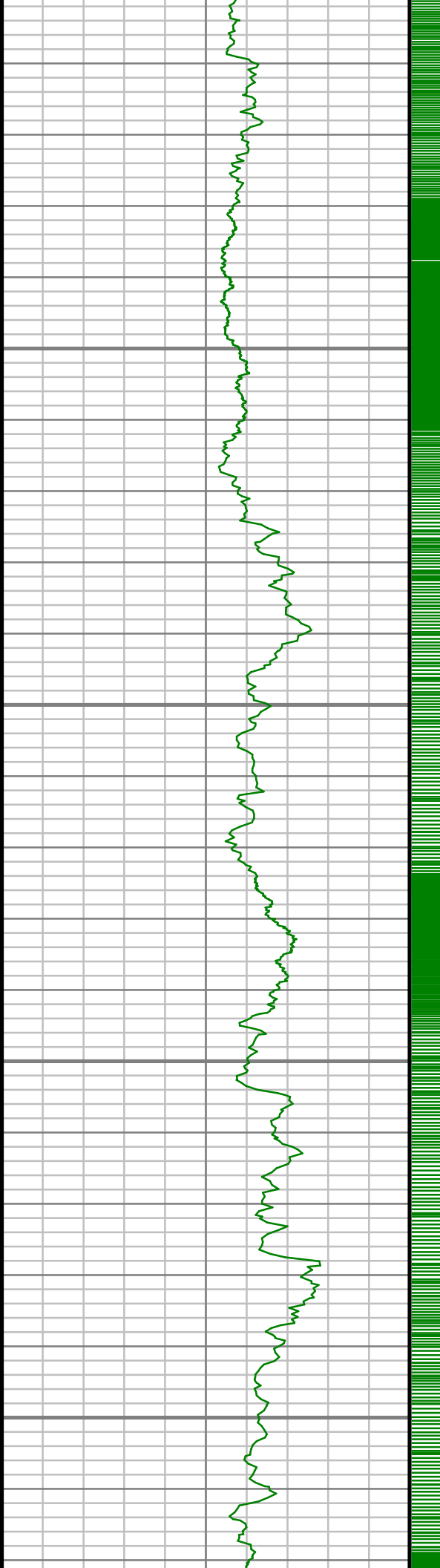
7650

7700

S: 64 MD: 7497.00 ft Inc: 83.15
deg Az: 359.26 deg TVD:
7129.98 ft

S: 65 MD: 7624.00 ft Inc: 87.08
deg Az: 359.30 deg TVD:
7140.80 ft





7750

7800

7850

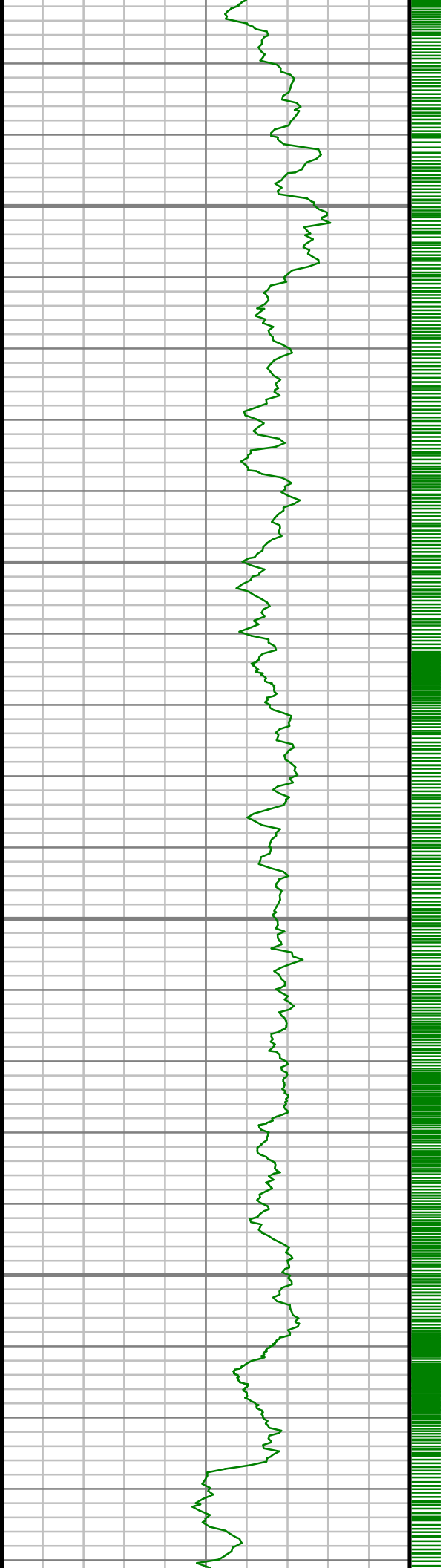
7900



S: 66 MD: 7719.00 ft Inc: 86.61
deg Az: 358.47 deg TVD:
7146.03 ft

S: 67 MD: 7814.00 ft Inc: 87.62
deg Az: 0.52 deg TVD: 7150.82
ft

S: 68 MD: 7909.00 ft Inc: 89.63
deg Az: 0.90 deg TVD: 7153.10
ft

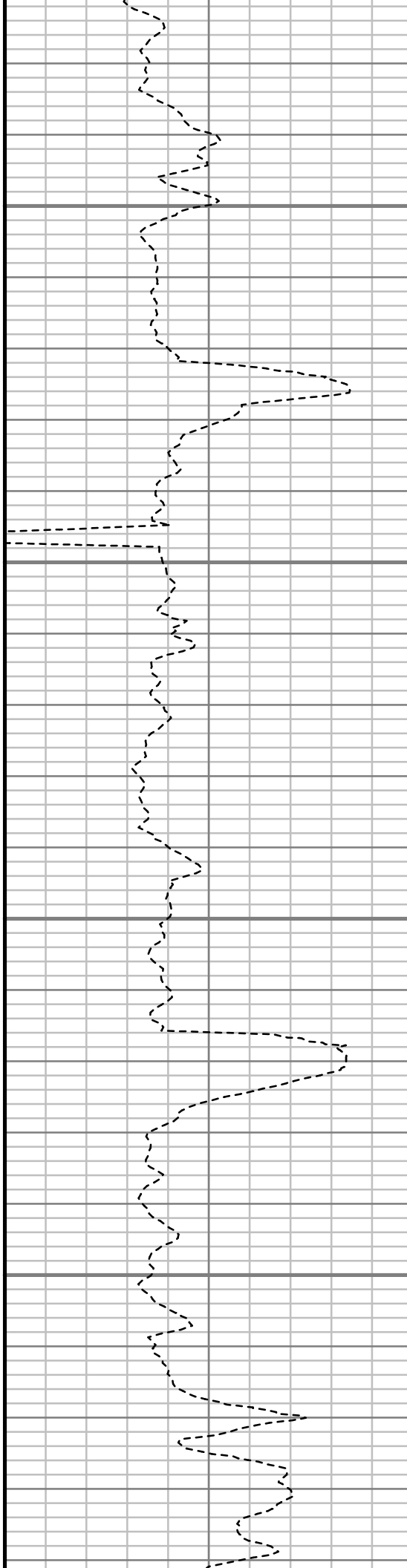


7950

8000

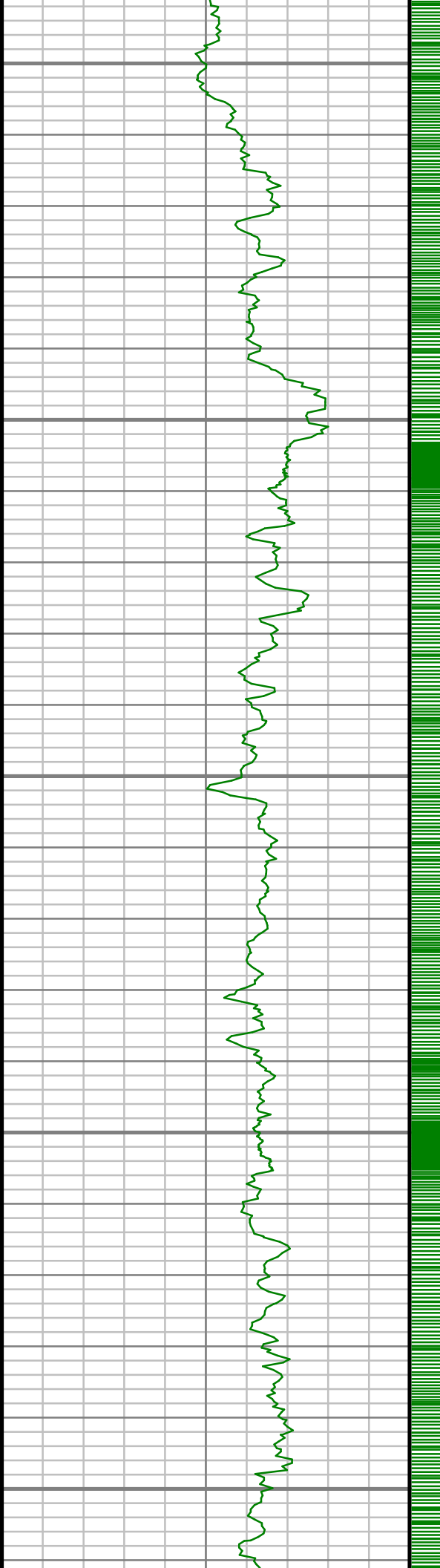
8050

8100



S: 69 MD: 8003.00 ft Inc: 90.07
deg Az: 0.68 deg TVD: 7153.35
ft

S: 70 MD: 8098.00 ft Inc: 90.03
deg Az: 0.84 deg TVD: 7153.27
ft



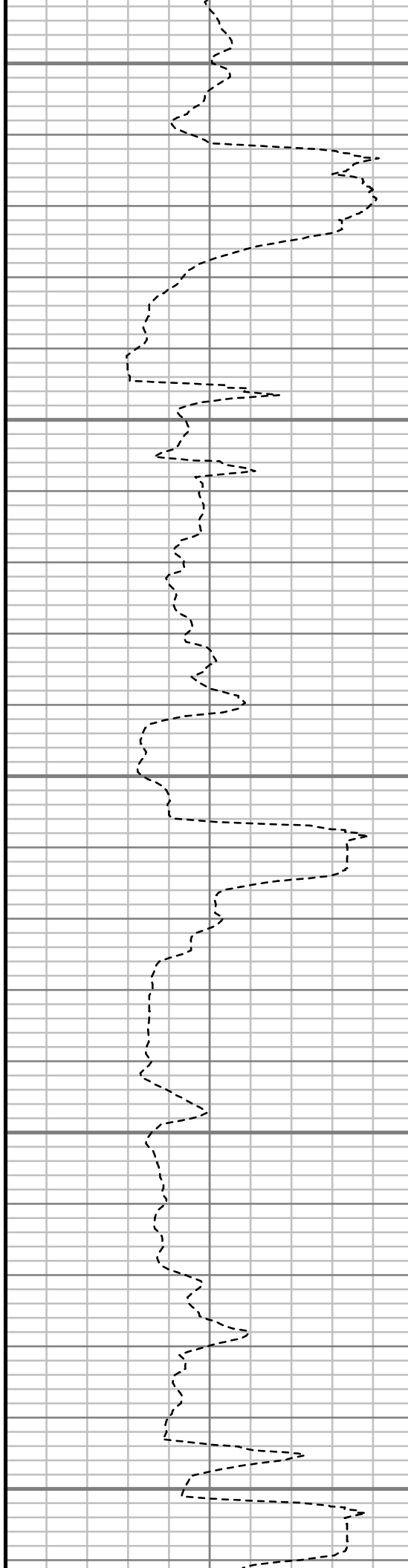
8150

8200

8250

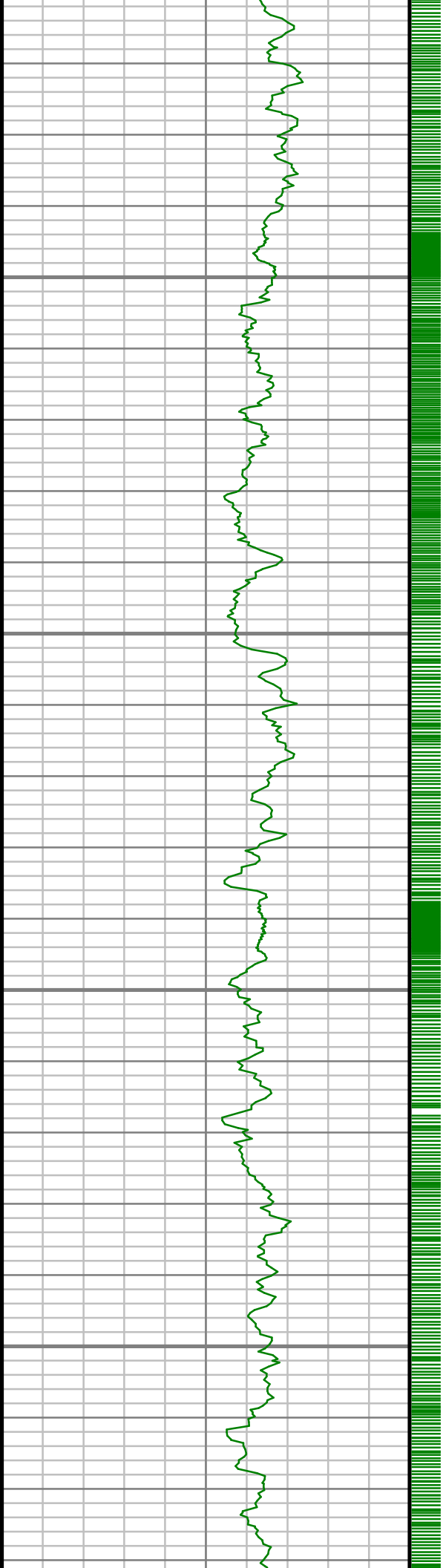
8300

8350



S: 71 MD: 8193.00 ft Inc: 90.97
deg Az: 0.88 deg TVD: 7152.43
ft

S: 72 MD: 8288.00 ft Inc: 91.04
deg Az: 1.19 deg TVD: 7150.76
ft

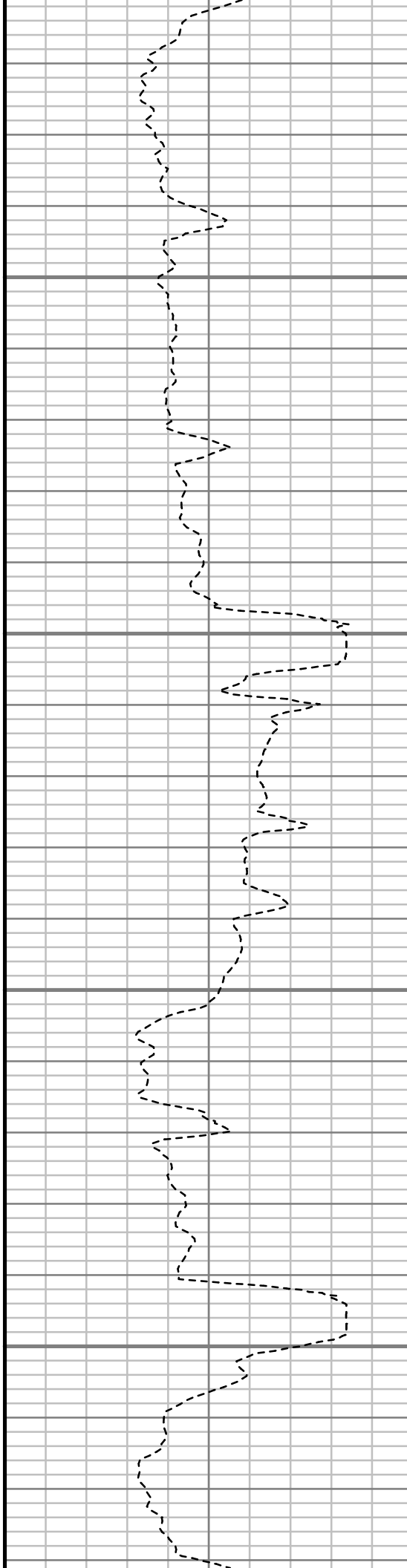


8400

8450

8500

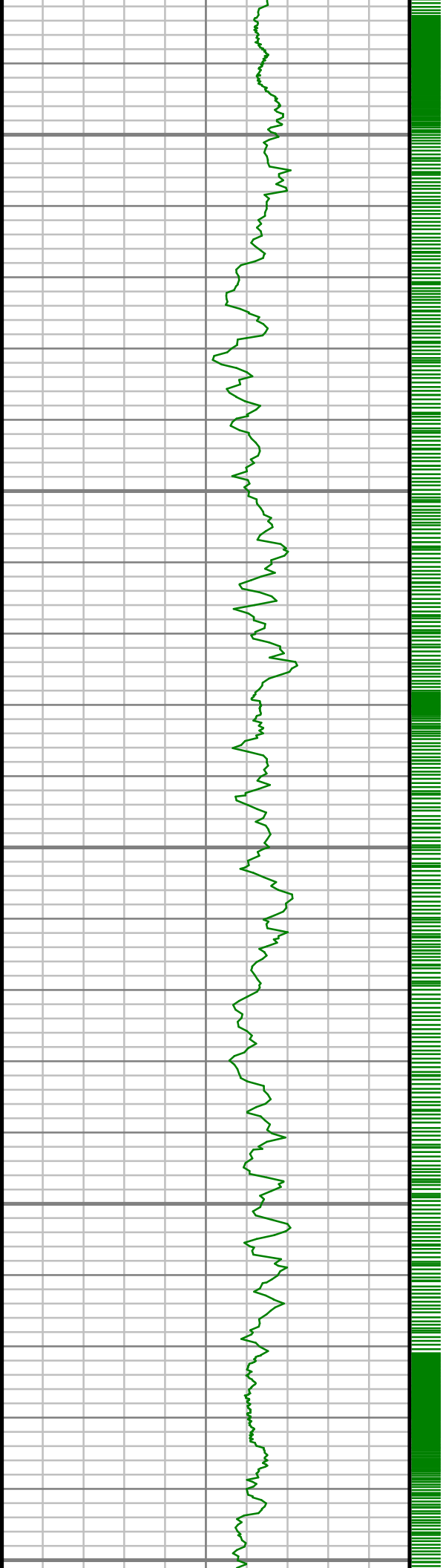
8550



S: 73 MD: 8383.00 ft Inc: 91.11
deg Az: 0.38 deg TVD: 7148.98
ft

S: 74 MD: 8477.00 ft Inc: 91.11
deg Az: 359.51 deg TVD:
7147.16 ft

S: 75 MD: 8573.00 ft Inc: 90.67
deg Az: 358.47 deg TVD:
7145.68 ft



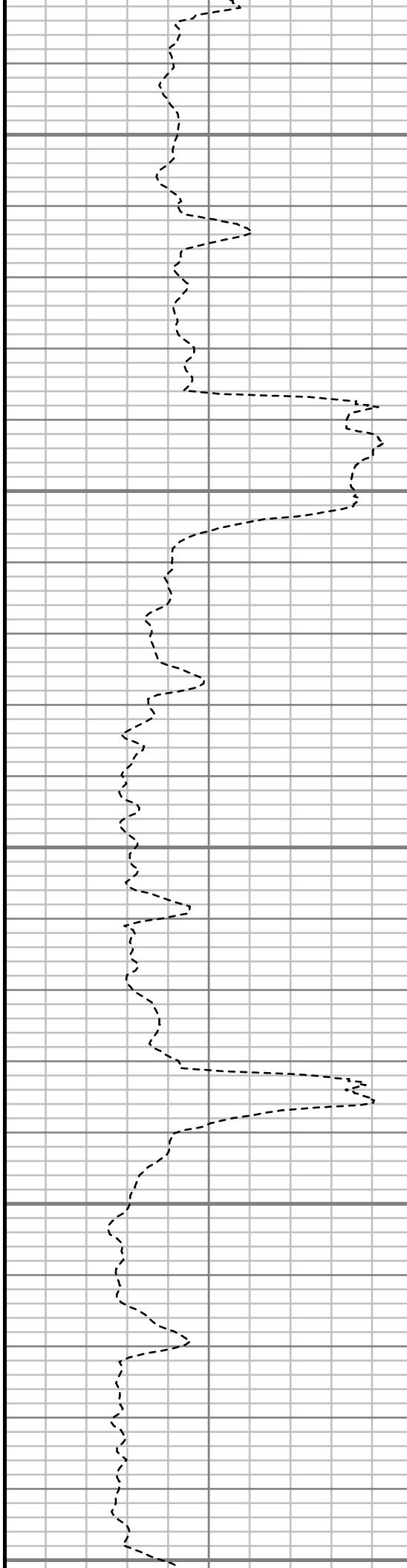
8600

8650

8700

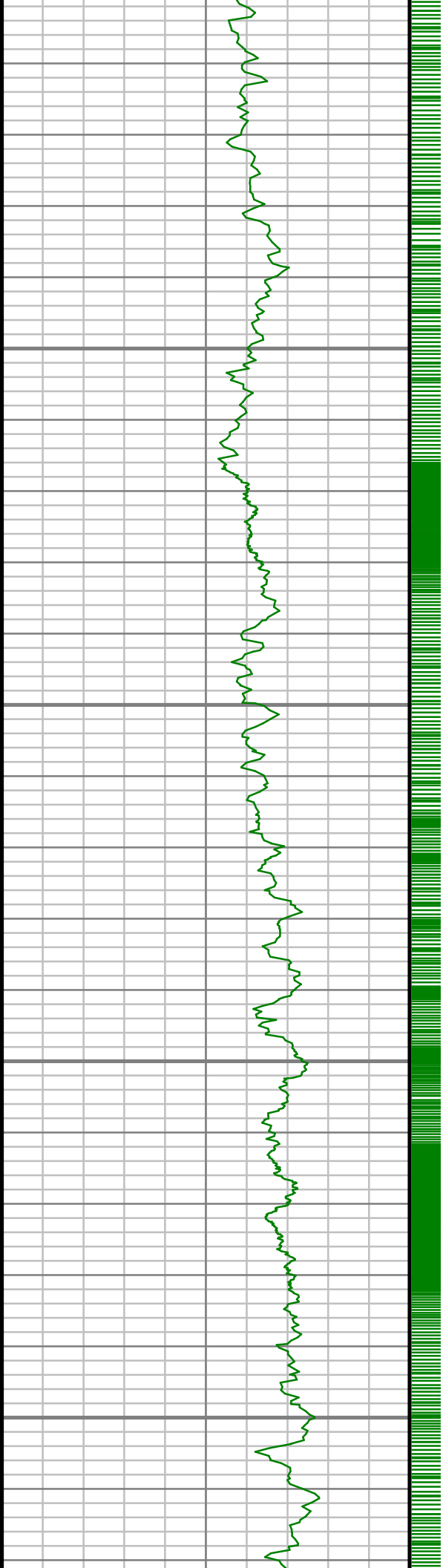
8750

8800



S: 76 MD: 8667.00 ft Inc: 90.60
deg Az: 359.12 deg TVD:
7144.63 ft

S: 77 MD: 8762.00 ft Inc: 91.21
deg Az: 358.72 deg TVD:
7143.13 ft

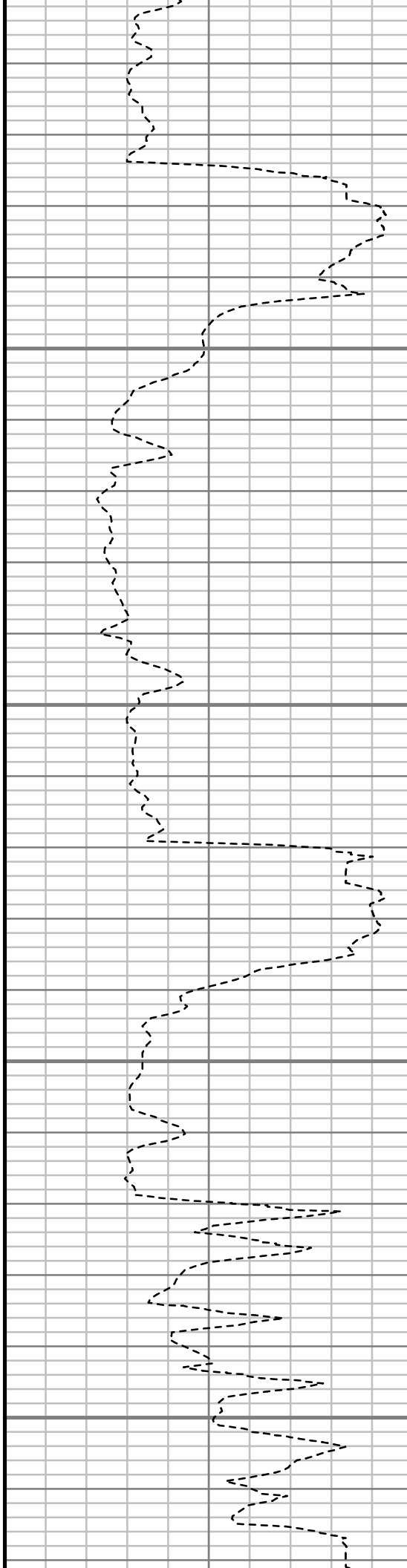


8850

8900

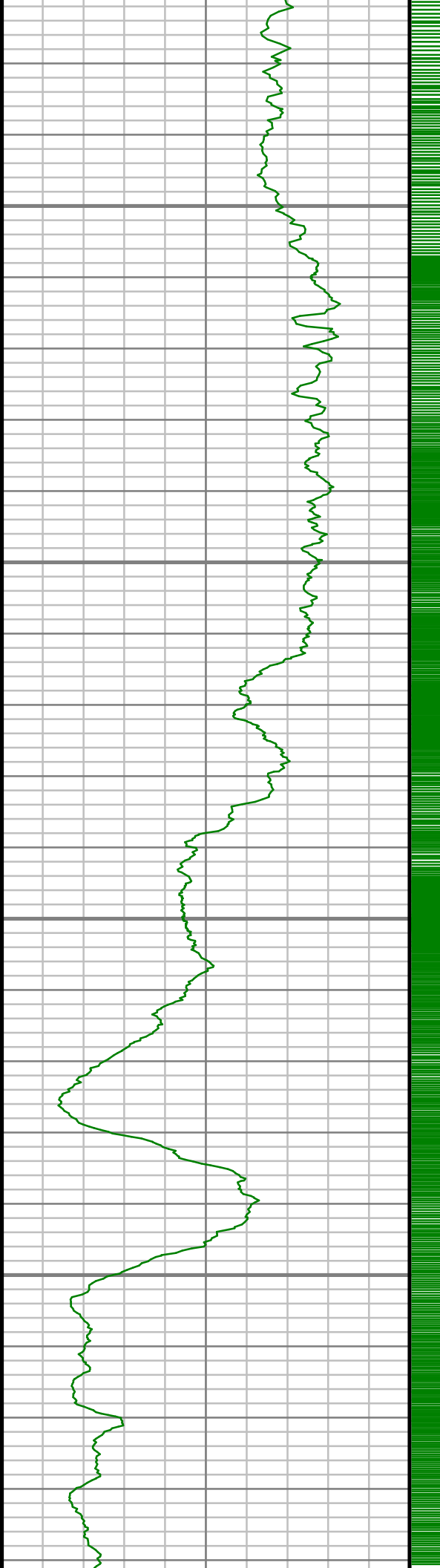
8950

9000



S: 78 MD: 8857.00 ft Inc: 90.30
deg Az: 359.61 deg TVD:
7141.88 ft

S: 79 MD: 8951.00 ft Inc: 90.20
deg Az: 359.83 deg TVD:
7141.47 ft

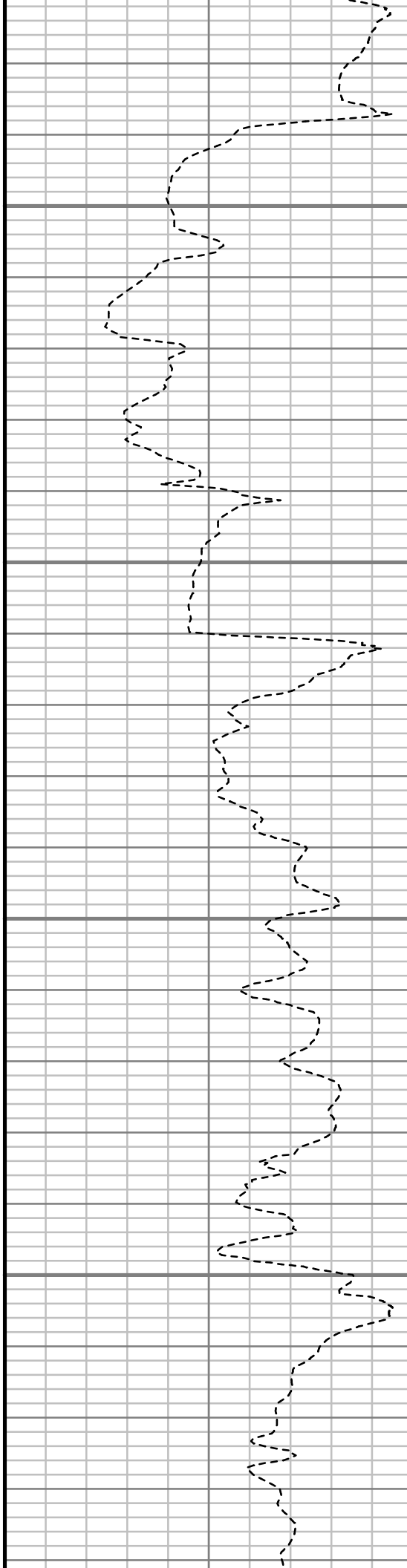


9050

9100

9150

9200



S: 80 MD: 9045.00 ft Inc: 89.80
deg Az: 1.28 deg TVD: 7141.47
ft

S: 81 MD: 9140.00 ft Inc: 90.50
deg Az: 0.32 deg TVD: 7141.22
ft

S: 82 MD: 9234.00 ft Inc: 90.77
deg Az: 0.05 deg TVD: 7140.17
ft



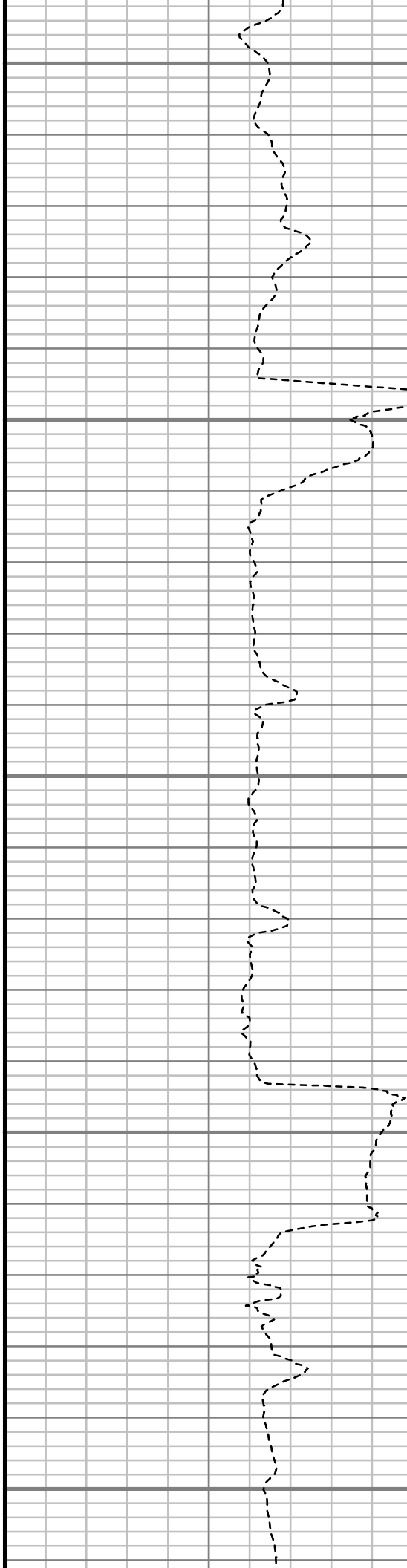
9250

9300

9350

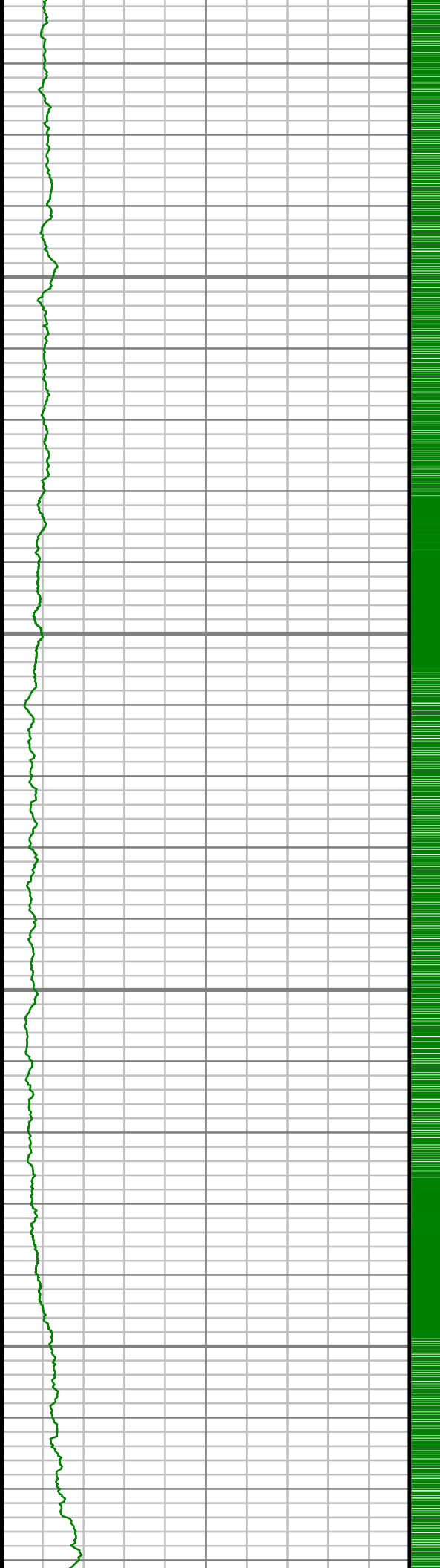
9400

9450



S: 83 MD: 9330.00 ft Inc: 91.65
deg Az: 0.17 deg TVD: 7138.14
ft

S: 84 MD: 9425.00 ft Inc: 90.40
deg Az: 0.58 deg TVD: 7136.44
ft



9500

9550

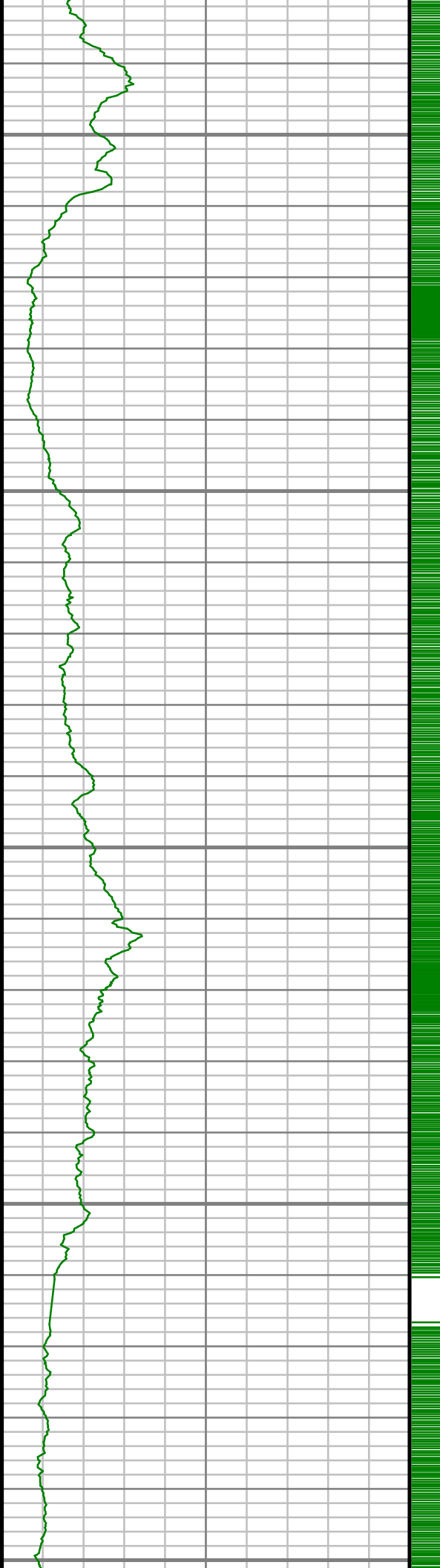
9600

9650



S: 85 MD: 9520.00 ft Inc: 89.90
deg Az: 1.92 deg TVD: 7136.19
ft

S: 86 MD: 9615.00 ft Inc: 89.33
deg Az: 1.50 deg TVD: 7136.83
ft



9700

9750

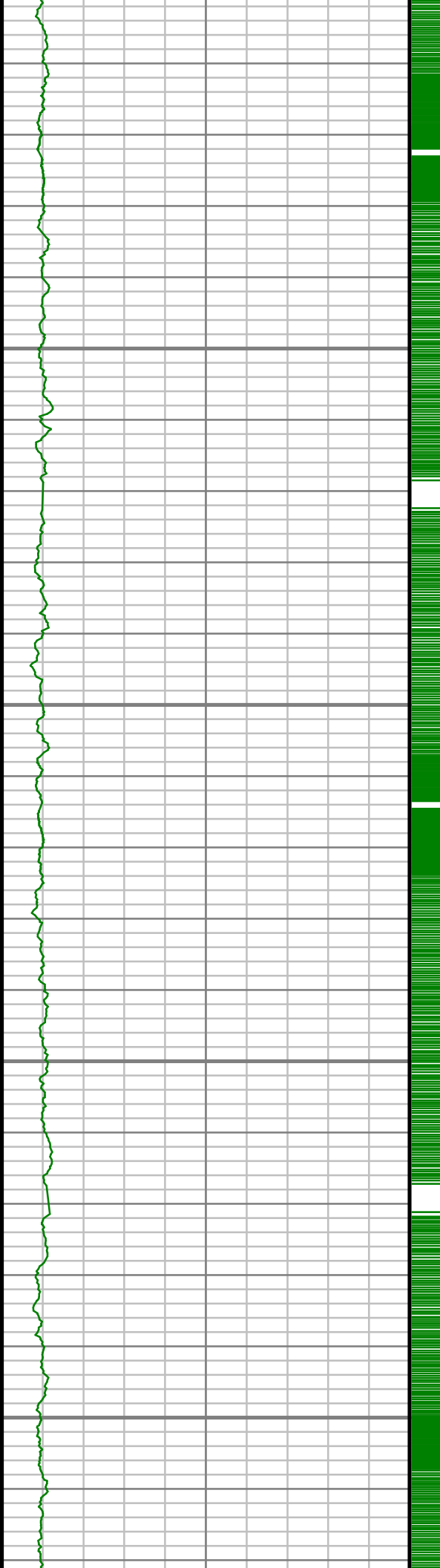
9800

9850

9900

S: 87 MD: 9710.00 ft Inc: 88.32
deg Az: 0.88 deg TVD: 7138.78
ft

S: 88 MD: 9805.00 ft Inc: 88.96
deg Az: 0.89 deg TVD: 7141.03
ft

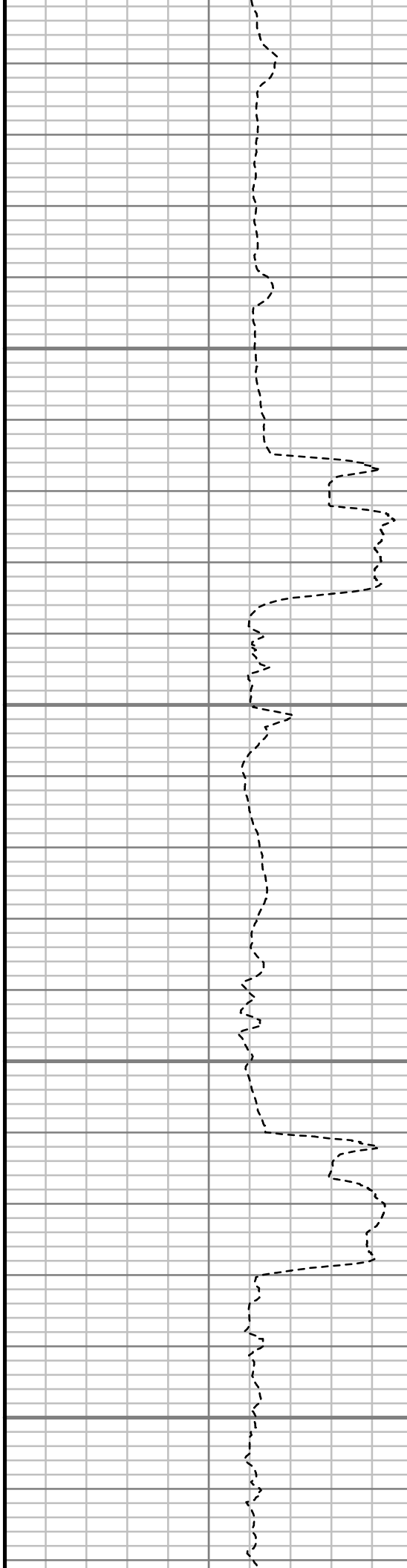


9950

10000

10050

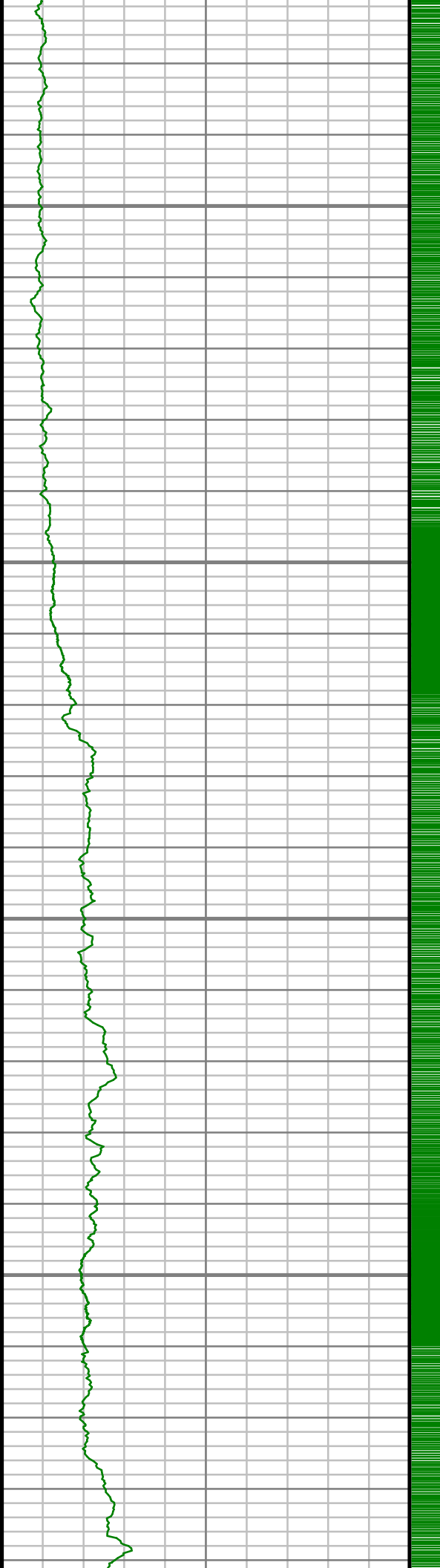
10100



S: 89 MD: 9901.00 ft Inc: 89.93
deg Az: 0.47 deg TVD: 7141.96
ft

S: 90 MD: 9996.00 ft Inc: 89.66
deg Az: 0.93 deg TVD: 7142.30
ft

S: 91 MD: 10091.00 ft Inc:
89.16 deg Az: 1.12 deg TVD:
7143.27 ft

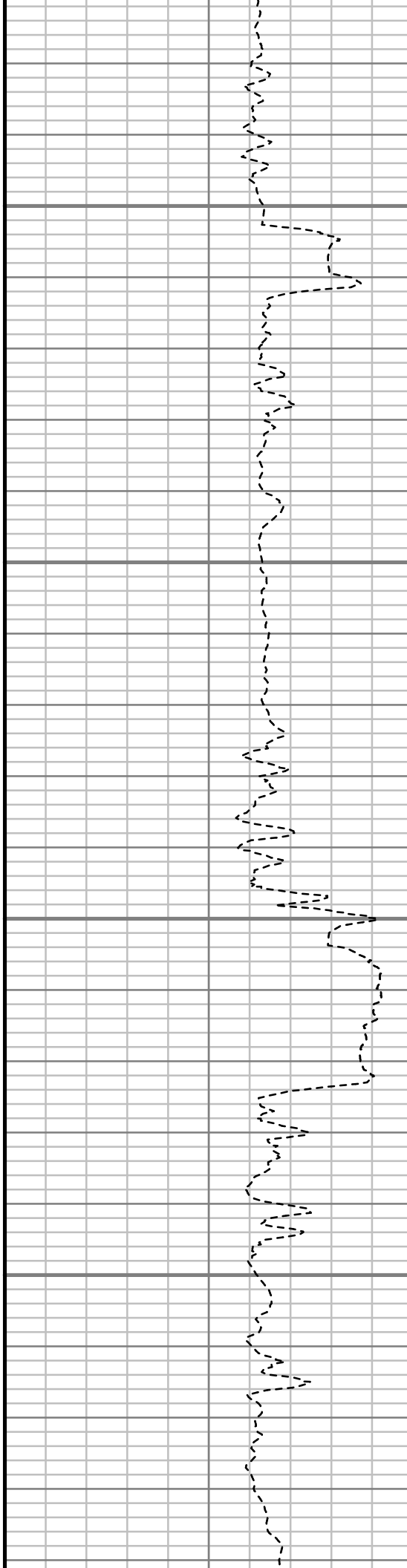


10150

10200

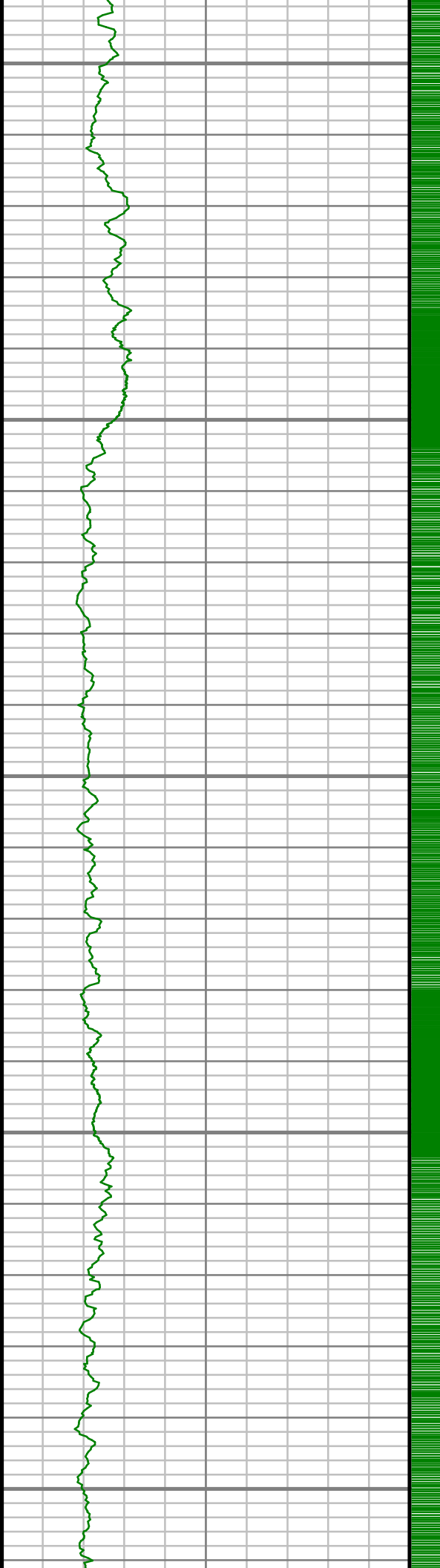
10250

10300



S: 92 MD: 10186.00 ft Inc:
90.71 deg Az: 0.78 deg TVD:
7143.38 ft

S: 93 MD: 10281.00 ft Inc:
89.97 deg Az: 0.91 deg TVD:
7142.83 ft



10350

10400

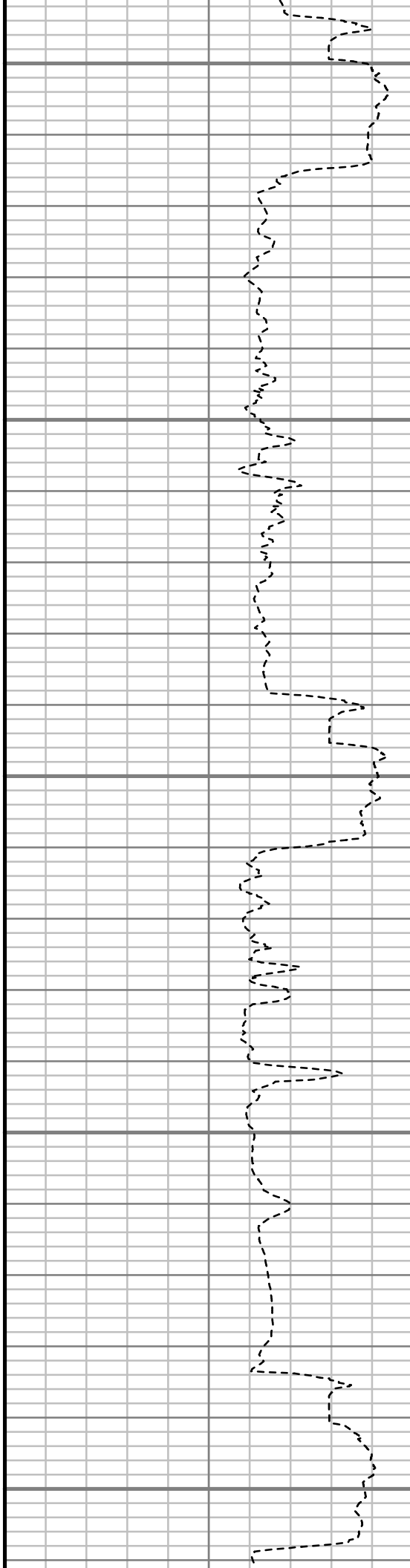
10450

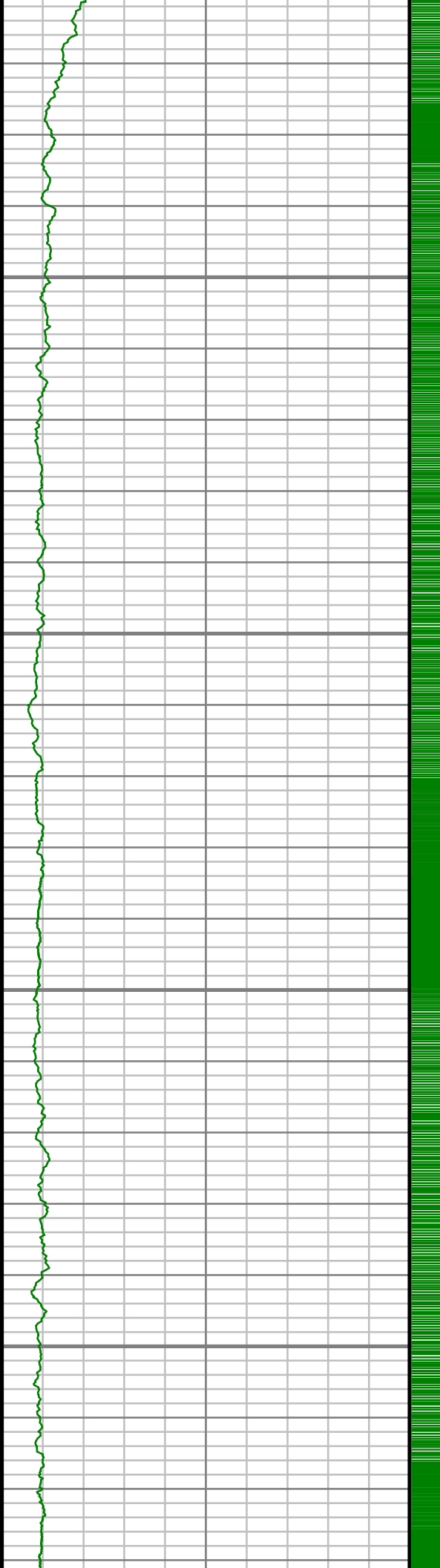
10500

10550

S: 94 MD: 10376.00 ft Inc:
89.06 deg Az: 0.64 deg TVD:
7143.63 ft

S: 95 MD: 10472.00 ft Inc:
89.60 deg Az: 0.66 deg TVD:
7144.76 ft





10600

10650

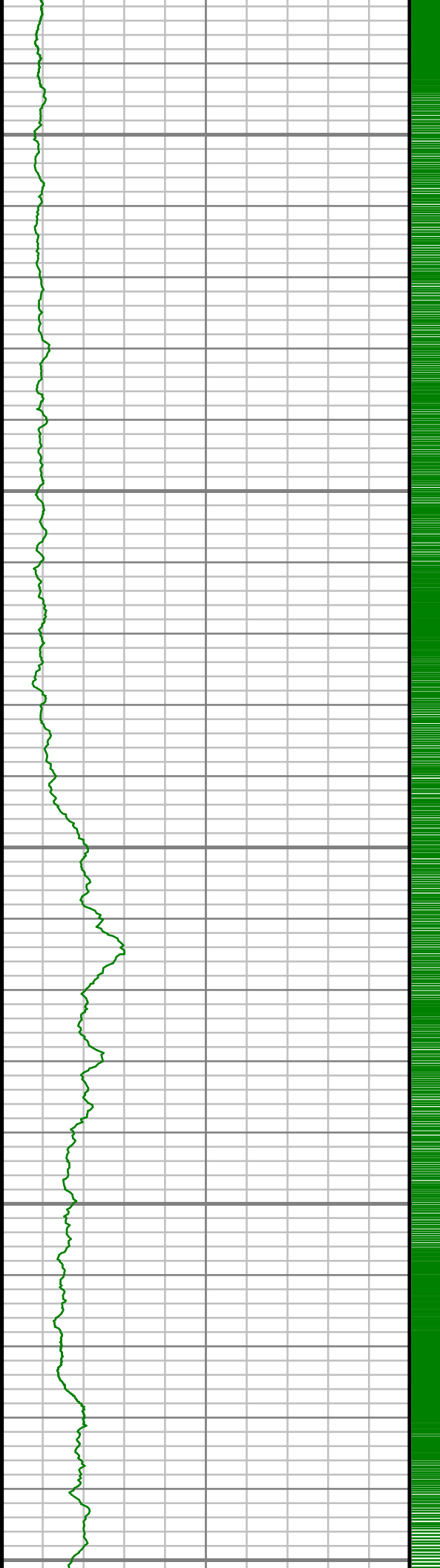
10700

10750

S: 96 MD: 10567.00 ft Inc:
88.39 deg Az: 359.06 deg TVD:
7146.43 ft

S: 97 MD: 10662.00 ft Inc:
89.26 deg Az: 358.87 deg TVD:
7148.38 ft

S: 98 MD: 10757.00 ft Inc:
89.09 deg Az: 358.89 deg TVD:
7149.74 ft



10800

10850

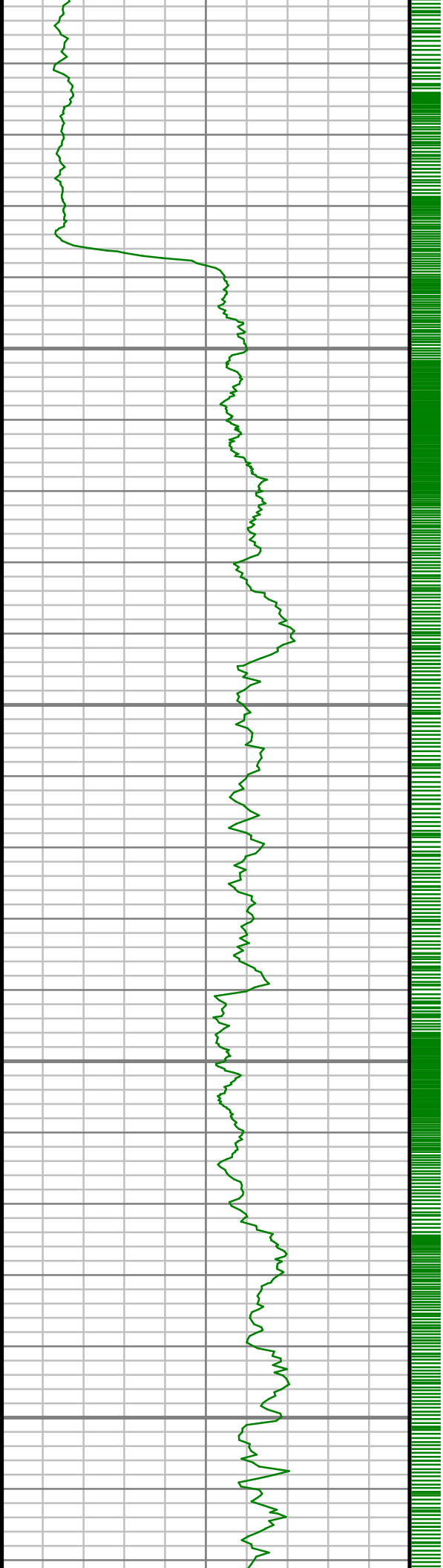
10900

10950

11000

S: 99 MD: 10853.00 ft Inc:
88.08 deg Az: 359.75 deg TVD:
7152.11 ft

S: 100 MD: 10948.00 ft Inc:
88.89 deg Az: 359.43 deg TVD:
7154.61 ft

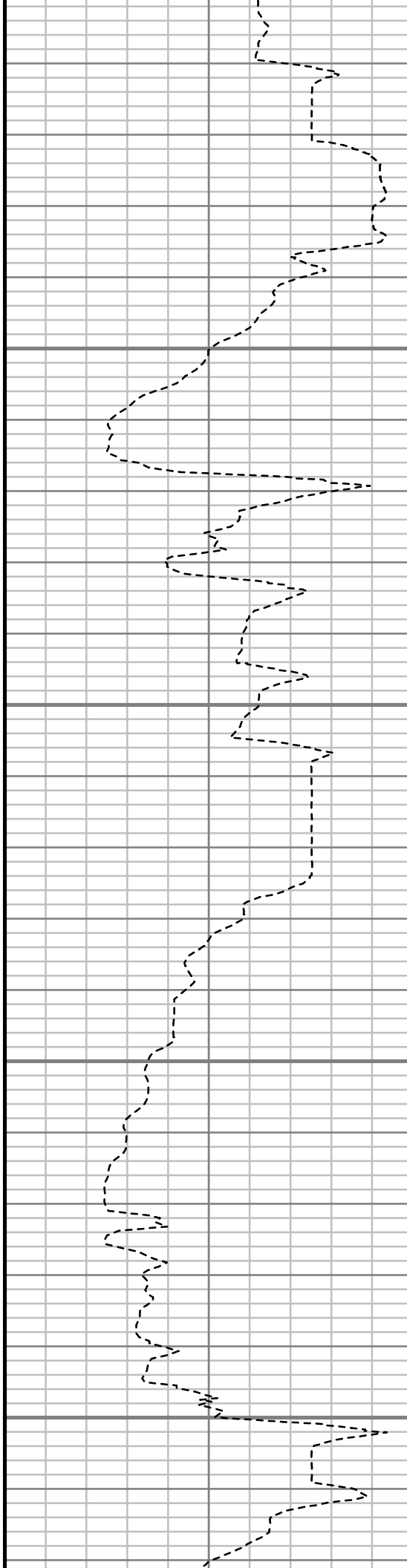


11050

11100

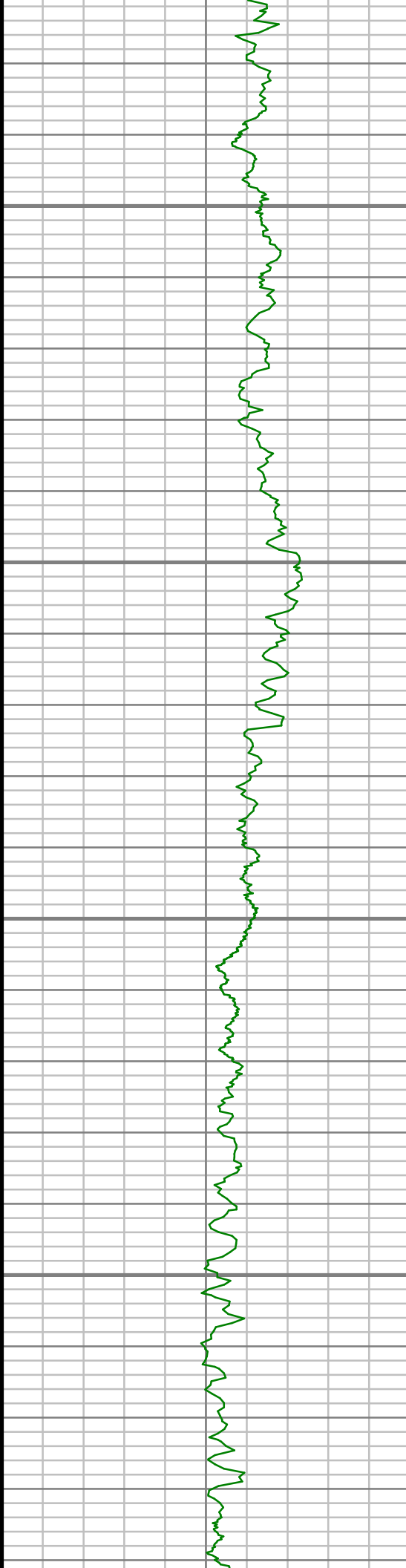
11150

11200



S: 101 MD: 11043.00 ft Inc:
89.09 deg Az: 359.56 deg TVD:
7156.29 ft

S: 102 MD: 11139.00 ft Inc:
89.53 deg Az: 358.98 deg TVD:
7157.44 ft

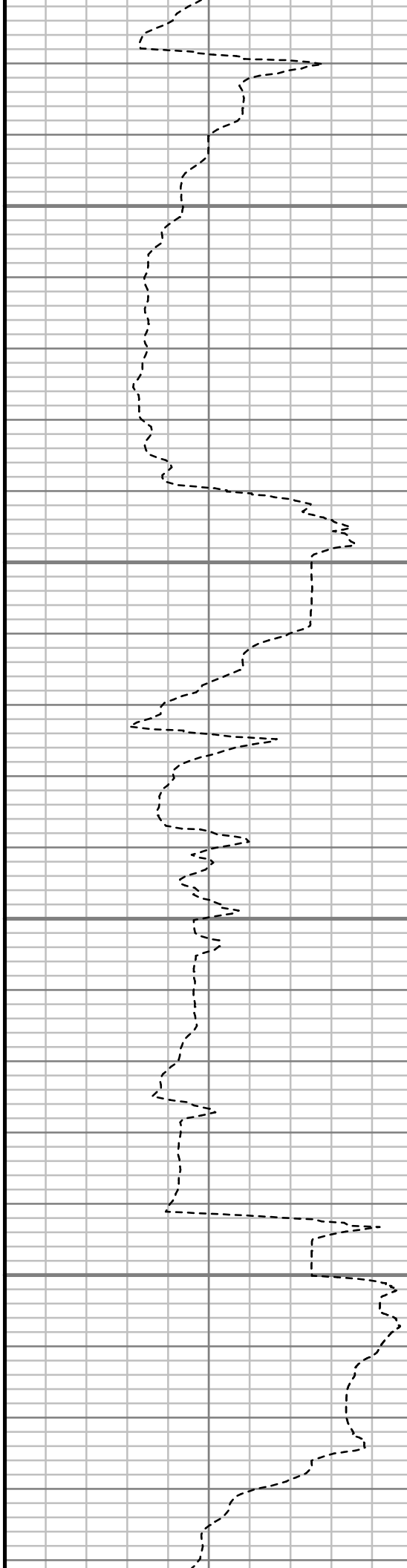


11250

11300

11350

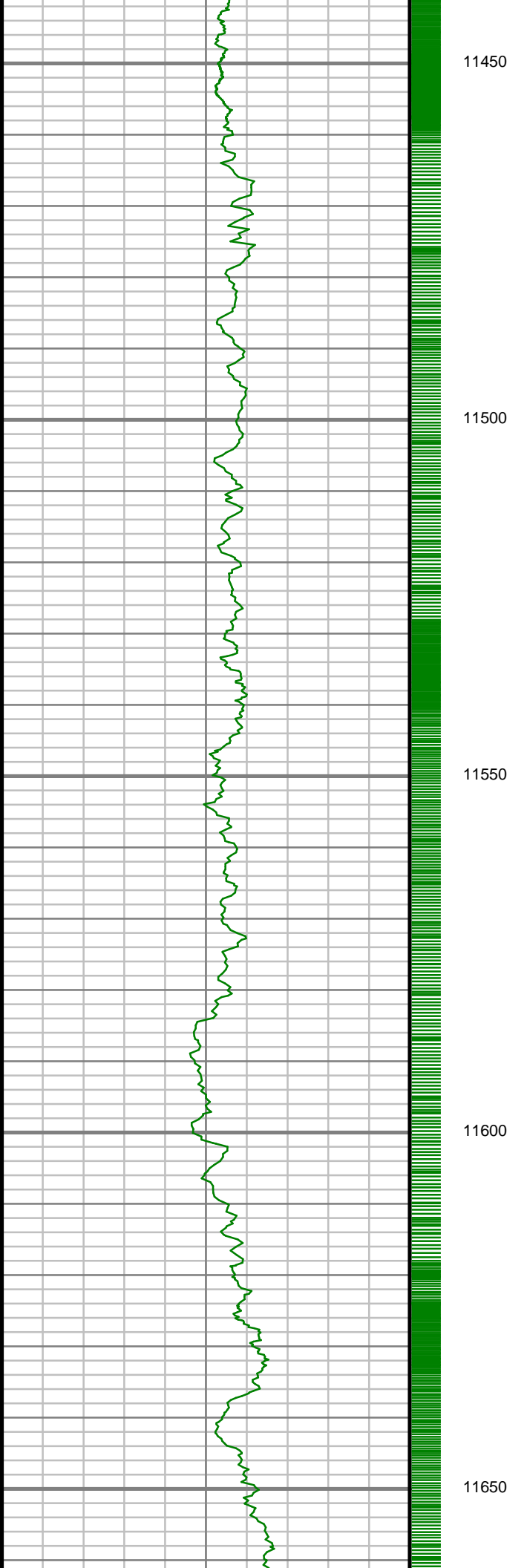
11400



S: 103 MD: 11234.00 ft Inc:
89.83 deg Az: 358.25 deg TVD:
7157.97 ft

S: 104 MD: 11329.00 ft Inc:
89.87 deg Az: 358.22 deg TVD:
7158.22 ft

S: 105 MD: 11425.00 ft Inc:
88.69 deg Az: 359.47 deg TVD:
7159.43 ft



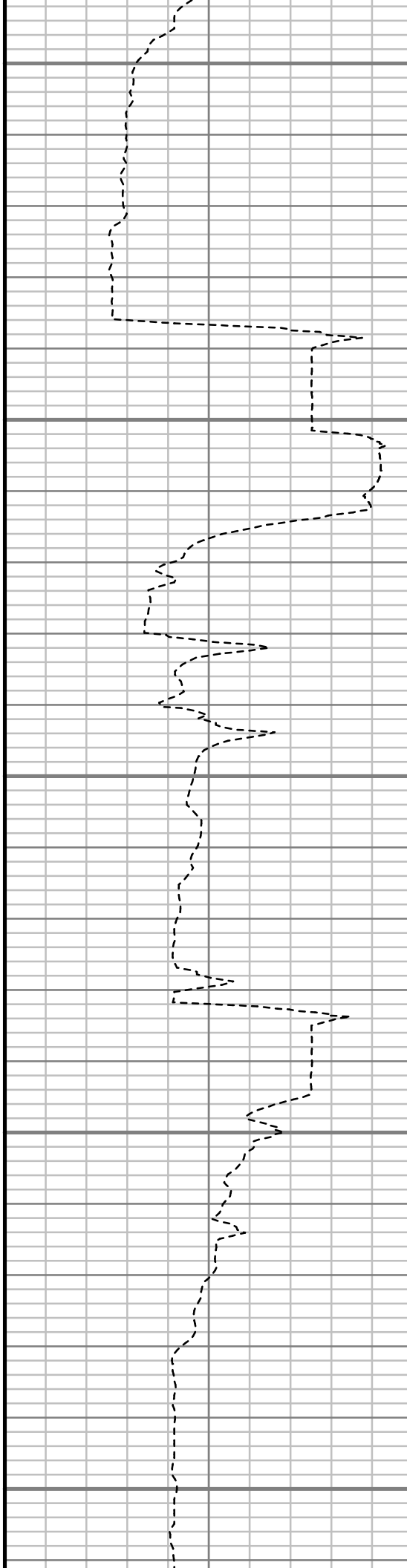
11450

11500

11550

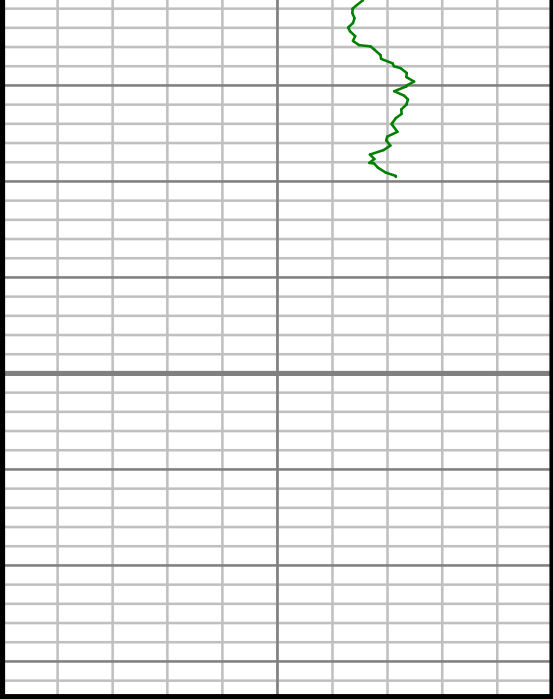
11600

11650



S: 106 MD: 11520.00 ft Inc:
88.72 deg Az: 0.09 deg TVD:
7161.57 ft

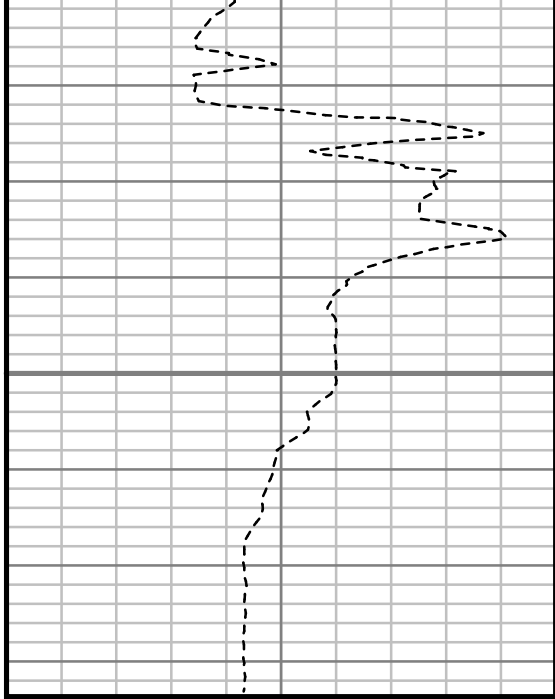
S: 107 MD: 11615.00 ft Inc:
87.81 deg Az: 358.35 deg TVD:
7164.44 ft



Gamma Ray (GR)		
0	Unit = aapi	150

11700

MEASURED DEPTH
1:240 (ft)



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

S: 108 MD: 11669.00 ft Inc:
88.08 deg Az: 358.36 deg TVD:
7166.38 ft

Comments



MWD Survey Report

Well Location	DALE PAD
Well Name	DALE 4H-20H-O264
Survey Date	8/18/2014
Latitude	40°7'3.508"N
Longitude	104°34'18.599"W
Btotal	52550 nT
Dip	66.73, 66.74 deg
Magnetic Declination	8.39 deg
North Reference	True North
Grid Correction	None
Depth Reference	RKB (25.00 ft)
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 10.31Azim (deg)
Operator(s)	C. WILSON, S. WAXLER, T. LE

Well Notes

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	"/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
140.00	1.41	4.39	139.99	1.71	1.71	0.13	1.72	4.39	1.01
201.00	0.35	146.87	200.98	2.32	2.30	0.29	2.32	7.21	2.79
263.00	0.26	196.00	262.98	2.04	2.01	0.36	2.04	10.06	0.43
323.00	0.88	141.06	322.98	1.60	1.52	0.61	1.63	21.83	1.27
384.00	1.14	106.17	383.97	1.23	0.98	1.49	1.78	56.52	1.08
445.00	2.38	121.46	444.94	0.71	0.15	3.15	3.15	87.21	2.14
506.00	2.29	107.93	505.89	0.10	-0.88	5.39	5.46	99.29	0.91
598.00	3.52	115.14	597.77	-0.87	-2.65	9.69	10.04	105.27	1.39
689.00	3.17	114.08	688.61	-2.18	-4.86	14.51	15.30	108.51	0.39
781.00	4.84	120.85	780.39	-4.15	-7.88	20.16	21.65	111.36	1.88
873.00	5.45	116.28	872.02	-6.71	-11.81	27.42	29.85	113.31	0.80
964.00	6.25	111.53	962.54	-8.87	-15.54	35.90	39.12	113.41	1.02
1056.00	5.72	107.31	1054.04	-10.40	-18.74	44.93	48.68	112.64	0.75
1086.00	5.63	109.69	1083.89	-10.82	-19.68	47.74	51.64	112.41	0.84
1178.00	7.13	108.72	1175.32	-12.39	-23.04	57.40	61.85	111.87	1.63
1269.00	8.71	110.57	1265.45	-14.44	-27.27	69.20	74.37	111.51	1.76
1341.00	9.91	109.47	1336.50	-16.40	-31.25	80.14	86.02	111.30	1.68
1525.00	10.16	108.78	1517.69	-21.31	-41.75	110.42	118.05	110.71	0.15

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	°/100ft
1707.00	11.43	108.26	1696.47	-26.16	-52.56	142.73	152.10	110.22	0.70
1890.00	10.27	112.71	1876.20	-32.17	-64.54	175.00	186.52	110.24	0.78
2073.00	10.78	112.18	2056.12	-39.20	-77.29	205.89	219.92	110.58	0.28
2255.00	9.48	113.02	2235.28	-46.00	-89.58	235.45	251.92	110.83	0.72
2439.00	9.03	109.70	2416.88	-51.69	-100.38	262.99	281.50	110.89	0.38
2622.00	10.30	110.85	2597.28	-57.02	-111.04	291.80	312.22	110.83	0.71
2805.00	10.02	114.10	2777.41	-63.81	-123.37	321.64	344.48	110.98	0.35
2995.00	11.13	109.86	2964.18	-70.79	-136.35	353.97	379.33	111.07	0.71
3184.00	11.80	109.64	3149.41	-76.95	-149.04	389.32	416.88	110.95	0.36
3374.00	10.86	108.43	3335.71	-82.63	-161.22	424.61	454.18	110.79	0.51
3563.00	9.39	118.59	3521.77	-89.98	-174.23	455.04	487.25	110.95	1.22
3753.00	10.21	112.92	3709.01	-98.52	-188.21	484.16	519.45	111.24	0.67
3943.00	10.60	110.68	3895.88	-105.34	-200.94	516.02	553.76	111.28	0.29
4131.00	11.34	109.64	4080.44	-111.45	-213.26	549.60	589.53	111.21	0.41
4320.00	9.39	109.99	4266.35	-117.05	-224.77	581.59	623.51	111.13	1.03
4510.00	9.84	106.96	4453.68	-121.54	-234.81	611.68	655.20	111.00	0.36
4701.00	8.89	111.47	4642.14	-126.29	-244.97	641.04	686.25	110.91	0.63
4891.00	8.00	111.15	4830.07	-131.62	-255.12	667.04	714.16	110.93	0.47

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	°/100ft
5081.00	8.36	110.15	5018.14	-136.46	-264.65	692.33	741.19	110.92	0.21
5271.00	10.65	110.53	5205.52	-141.94	-275.56	721.75	772.56	110.90	1.21
5462.00	9.05	107.48	5393.70	-146.94	-286.26	752.60	805.21	110.82	0.88
5652.00	7.22	114.08	5581.79	-151.65	-295.62	777.76	832.05	110.81	1.08
5843.00	4.82	98.96	5771.73	-154.32	-301.77	796.64	851.88	110.75	1.50
6033.00	3.52	119.82	5961.23	-156.08	-305.91	809.58	865.45	110.70	1.04
6224.00	1.87	134.09	6152.02	-159.77	-311.00	816.91	874.11	110.84	0.92
6415.00	0.74	96.44	6342.97	-161.43	-313.31	820.38	878.17	110.90	0.71
6605.00	1.21	39.59	6532.94	-159.60	-311.91	822.88	880.01	110.76	0.53
6652.00	2.25	2.48	6579.92	-158.25	-310.60	823.23	879.88	110.67	3.14
6700.00	6.23	358.40	6627.78	-154.77	-307.06	823.20	878.60	110.46	8.32
6747.00	13.15	359.64	6674.08	-147.01	-299.15	823.09	875.77	109.97	14.72
6796.00	17.21	3.94	6721.37	-134.33	-286.35	823.56	871.92	109.17	8.59
6843.00	20.34	2.94	6765.86	-119.31	-271.25	824.46	867.93	108.21	6.70
6891.00	23.88	359.33	6810.33	-101.50	-253.20	824.77	862.76	107.07	7.90
6938.00	29.53	356.38	6852.30	-80.90	-232.11	823.93	856.00	105.73	12.34
6986.00	35.39	354.57	6892.78	-56.02	-206.45	821.86	847.40	104.10	12.38
7033.00	40.44	355.74	6929.85	-28.15	-177.68	819.44	838.48	102.23	10.85

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	°/100ft
7081.00	46.15	356.92	6964.77	3.78	-144.84	817.35	830.09	100.05	12.01
7128.00	50.87	357.39	6995.90	38.06	-109.69	815.61	822.95	97.66	10.08
7176.00	55.37	357.03	7024.70	75.44	-71.35	813.74	816.86	95.01	9.38
7223.00	60.30	357.27	7049.72	114.17	-31.62	811.76	812.38	92.23	10.51
7271.00	67.32	358.60	7070.89	156.22	11.39	810.23	810.31	89.19	14.83
7318.00	70.53	359.61	7087.79	199.23	55.24	809.54	811.43	86.10	7.13
7366.00	73.30	359.54	7102.69	244.06	100.86	809.20	815.47	82.90	5.76
7413.00	76.52	358.50	7114.93	288.55	146.22	808.43	821.54	79.75	7.18
7462.00	80.06	358.67	7124.87	335.52	194.18	807.24	830.27	76.47	7.24
7497.00	83.15	359.26	7129.98	369.47	228.80	806.62	838.44	74.16	8.97
7624.00	87.08	359.30	7140.80	493.64	355.30	805.03	879.95	66.19	3.10
7719.00	86.61	358.47	7146.03	586.62	450.14	803.19	920.72	60.73	1.00
7814.00	87.62	0.52	7150.82	679.81	545.01	802.35	969.95	55.81	2.40
7909.00	89.63	0.90	7153.10	773.44	639.97	803.53	1027.24	51.46	2.16
8003.00	90.07	0.68	7153.35	866.15	733.96	804.83	1089.24	47.64	0.52
8098.00	90.03	0.84	7153.27	959.83	828.95	806.09	1156.26	44.20	0.17
8193.00	90.97	0.88	7152.43	1053.54	923.93	807.51	1227.08	41.15	0.99
8288.00	91.04	1.19	7150.76	1147.28	1018.90	809.22	1301.16	38.46	0.34

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	°/100ft
8383.00	91.11	0.38	7148.98	1240.95	1113.88	810.52	1377.56	36.04	0.86
8477.00	91.11	359.51	7147.16	1333.40	1207.86	810.43	1454.55	33.86	0.93
8573.00	90.67	358.47	7145.68	1427.52	1303.83	808.73	1534.28	31.81	1.17
8667.00	90.60	359.12	7144.63	1519.62	1397.80	806.76	1613.91	29.99	0.69
8762.00	91.21	358.72	7143.13	1612.74	1492.77	804.97	1695.98	28.34	0.76
8857.00	90.30	359.61	7141.88	1705.94	1587.75	803.59	1779.53	26.84	1.34
8951.00	90.20	359.83	7141.47	1798.34	1681.75	803.13	1863.68	25.53	0.25
9045.00	89.80	1.28	7141.47	1890.97	1775.74	804.04	1949.29	24.36	1.60
9140.00	90.50	0.32	7141.22	1984.67	1870.73	805.36	2036.72	23.29	1.25
9234.00	90.77	0.05	7140.17	2077.20	1964.73	805.66	2123.50	22.30	0.41
9330.00	91.65	0.17	7138.14	2171.66	2060.70	805.84	2212.66	21.36	0.92
9425.00	90.40	0.58	7136.44	2265.21	2155.68	806.47	2301.60	20.51	1.38
9520.00	89.90	1.92	7136.19	2359.03	2250.66	808.54	2391.48	19.76	1.50
9615.00	89.33	1.50	7136.83	2452.95	2345.61	811.37	2481.98	19.08	0.74
9710.00	88.32	0.88	7138.78	2546.73	2440.57	813.34	2572.53	18.43	1.24
9805.00	88.96	0.89	7141.03	2640.42	2535.53	814.81	2663.24	17.82	0.67
9901.00	89.93	0.47	7141.96	2735.06	2631.52	815.95	2755.12	17.23	1.10
9996.00	89.66	0.93	7142.30	2828.73	2726.51	817.11	2846.32	16.68	0.56

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	"/100ft
10091.00	89.16	1.12	7143.27	2922.48	2821.49	818.81	2937.90	16.18	0.57
10186.00	90.71	0.78	7143.38	3016.21	2916.48	820.38	3029.66	15.71	1.67
10281.00	89.97	0.91	7142.83	3109.92	3011.46	821.77	3121.57	15.26	0.79
10376.00	89.06	0.64	7143.63	3203.60	3106.45	823.05	3213.64	14.84	1.00
10472.00	89.60	0.66	7144.76	3298.23	3202.44	824.15	3306.78	14.43	0.56
10567.00	88.39	359.06	7146.43	3391.64	3297.42	823.92	3398.79	14.03	2.12
10662.00	89.26	358.87	7148.38	3484.76	3392.38	822.20	3490.60	13.62	0.94
10757.00	89.09	358.89	7149.74	3577.86	3487.35	820.33	3582.54	13.24	0.18
10853.00	88.08	359.75	7152.11	3672.07	3583.31	819.19	3675.76	12.88	1.39
10948.00	88.89	359.43	7154.61	3765.38	3678.28	818.51	3768.25	12.55	0.92
11043.00	89.09	359.56	7156.29	3858.68	3773.26	817.67	3860.84	12.23	0.25
11139.00	89.53	358.98	7157.44	3952.89	3869.24	816.44	3954.44	11.92	0.75
11234.00	89.83	358.25	7157.97	4045.92	3964.21	814.15	4046.95	11.61	0.83
11329.00	89.87	358.22	7158.22	4138.82	4059.17	811.22	4139.44	11.30	0.04
11425.00	88.69	359.47	7159.43	4232.89	4155.14	809.29	4233.22	11.02	1.79
11520.00	88.72	0.09	7161.57	4326.27	4250.11	808.93	4326.41	10.78	0.65
11615.00	87.81	358.35	7164.44	4419.45	4345.06	807.63	4419.48	10.53	2.06
11669.00	88.08	358.36	7166.38	4472.24	4399.00	806.09	4472.24	10.38	0.50

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	°/100ft

5" = 100' FEET MD