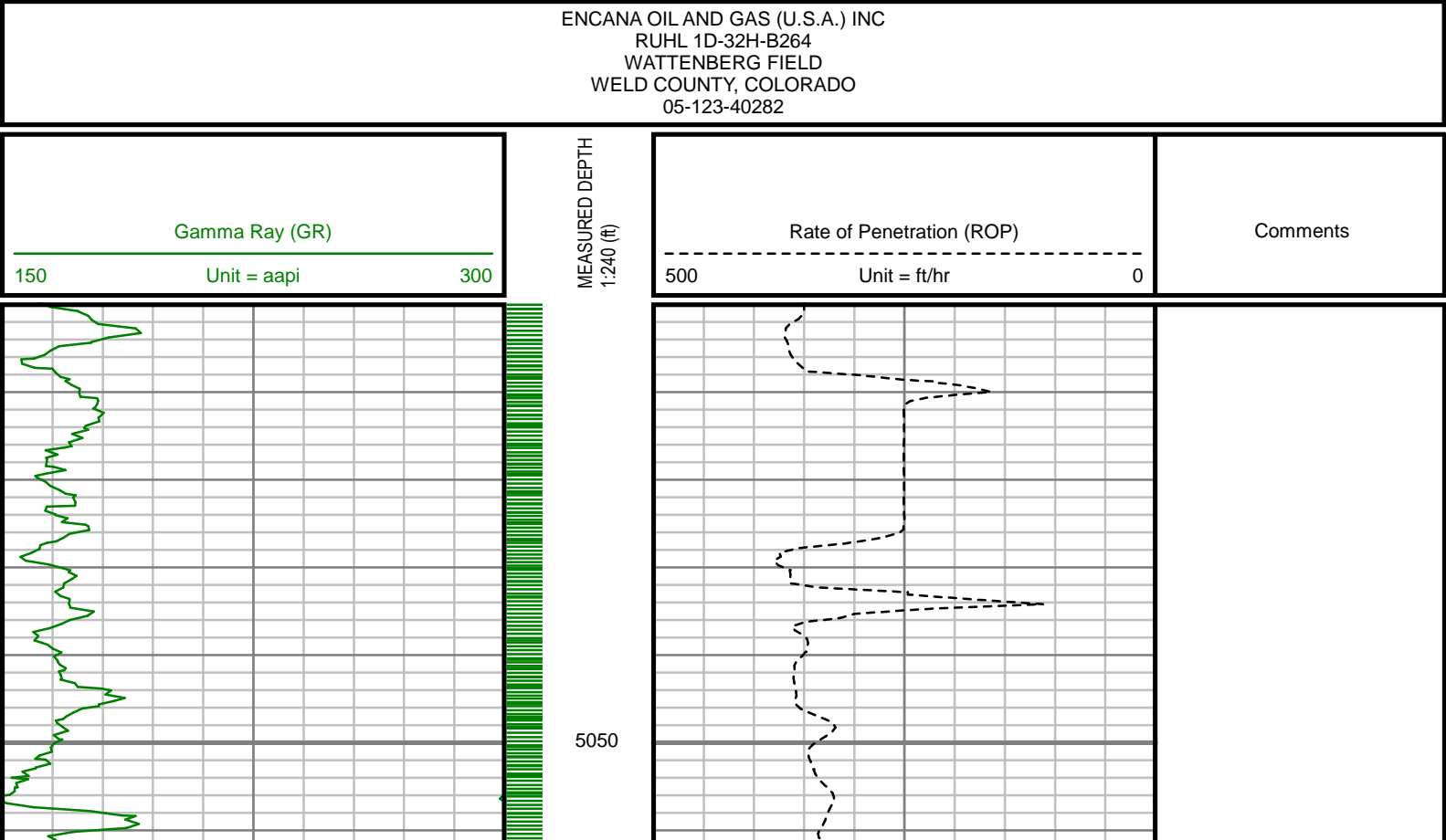
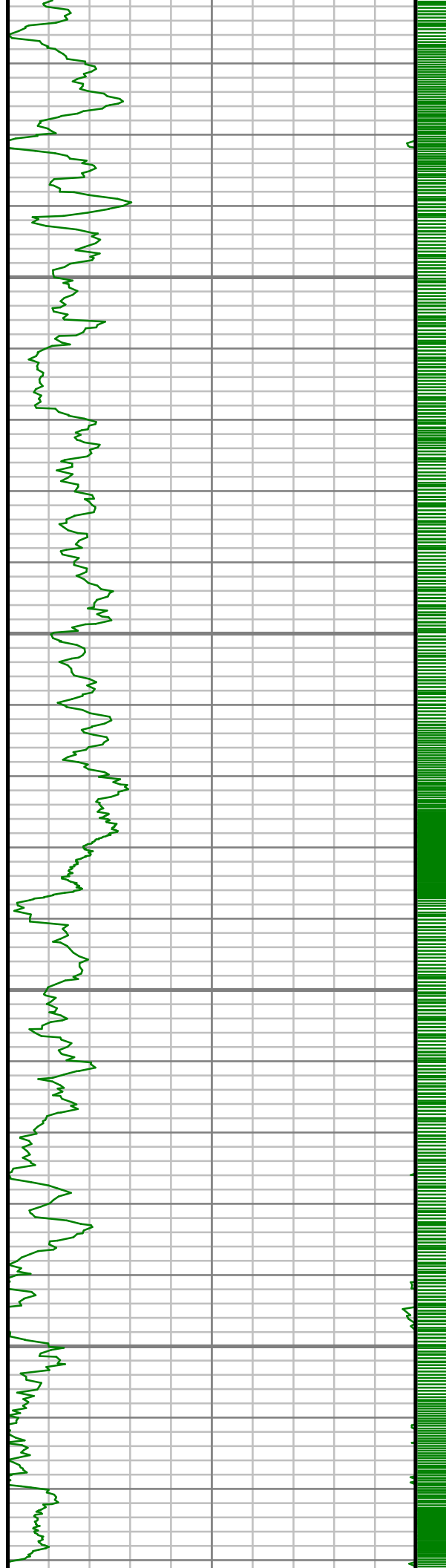


Remarks
ENCANA OIL AND GAS (U.S.A) INC PRODUCTION AFE# 13179003
SCIENTIFIC DRILLING INTERNATIONAL JOB# 232819, 241125
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN #1: MWD / DIRECTIONAL RUN
SENSORS S/N: EM5 = 1154 / MWD EYE = 0645
BIT TO SENSOR OFFSET: SURVEY = 60.90 FT.
RUN #2: MWD / GAMMA RAY / PROPAGATION RESISTIVITY LOGGING RUN
SENSORS S/N: PULSER = 128-333 / CONT = 126 / MWD EYE = 522 / PRT = 312 / GAMMA RAY = 1076
BIT TO SENSOR OFFSETS: SURVEY = 55.74 FT. / RESISTIVITY = 45.07 FT. / GAMMA RAY = 36.57 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-070 / CONT = 858 / MWD EYE = 0645 / GAMMA RAY = 1271
BIT TO SENSOR OFFSETS: SURVEY = 61.82 FT. / GAMMA RAY = 53.18 FT.
REMARK #1: GAMMA RAY FROM 7398 FT. - 7405 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.



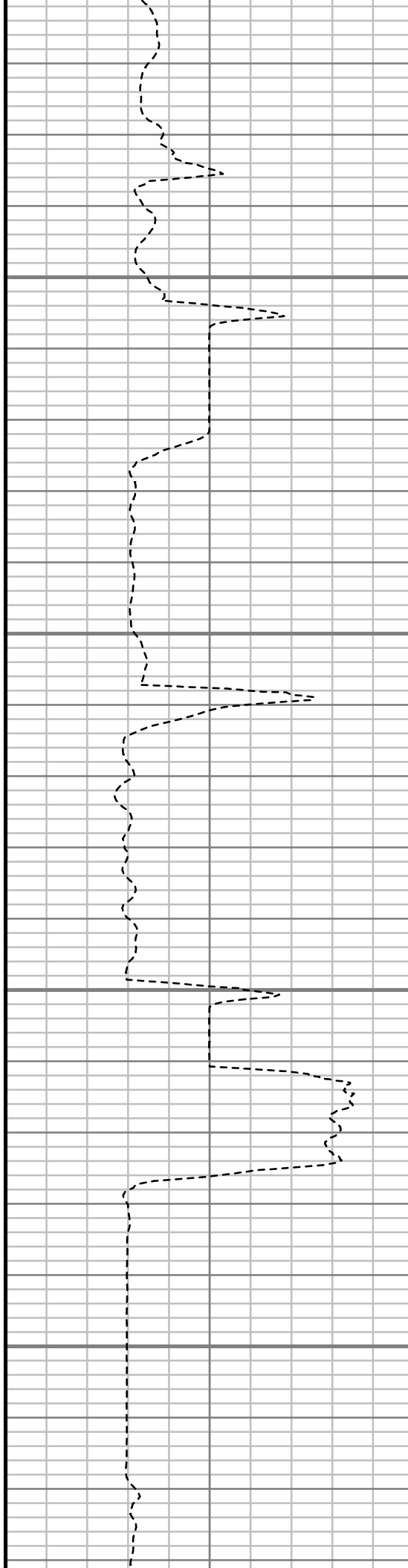


5100

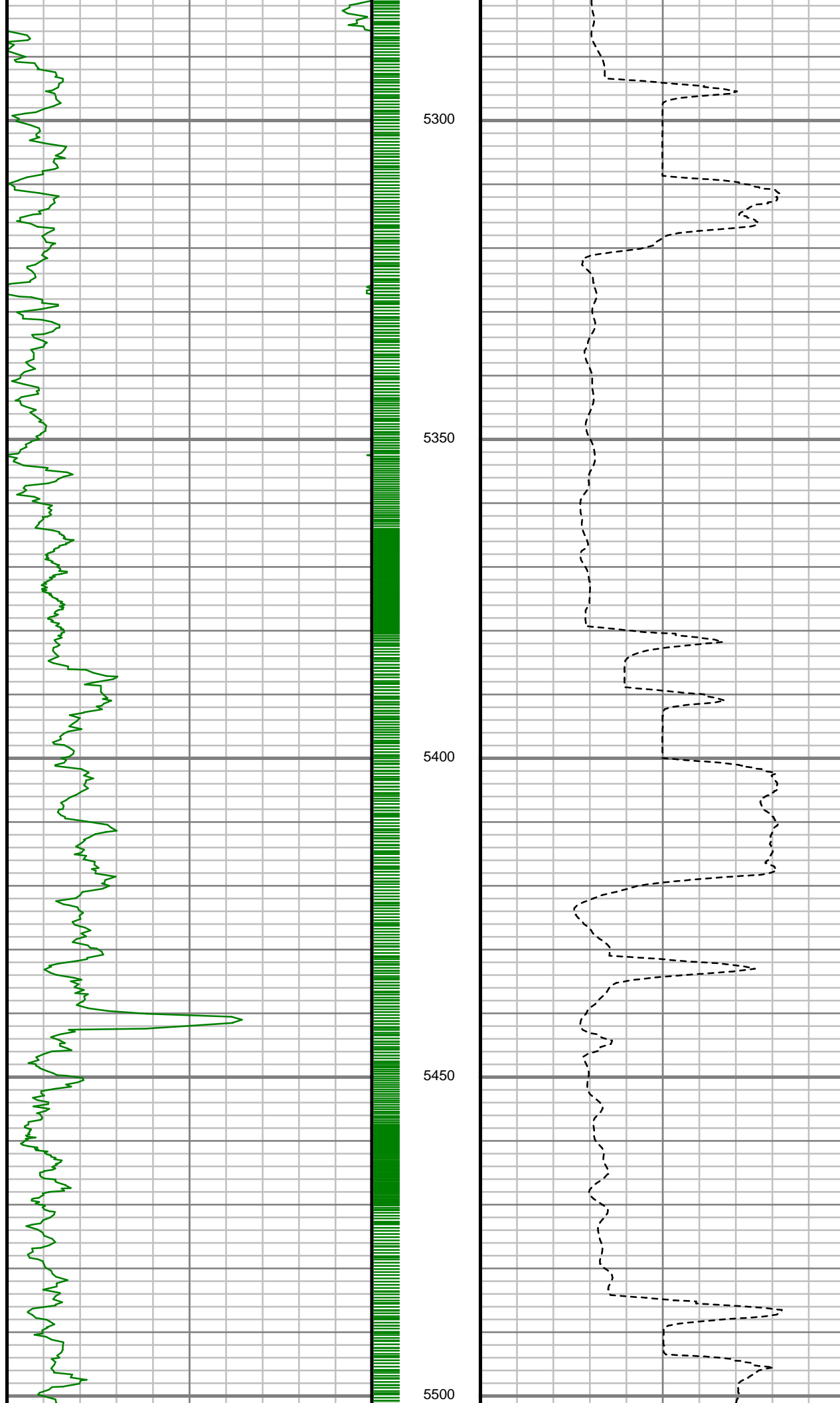
5150

5200

5250



S: 33 MD: 5141.00 ft Inc: 1.45
deg Az: 348.40 deg TVD:
5102.59 ft



5300

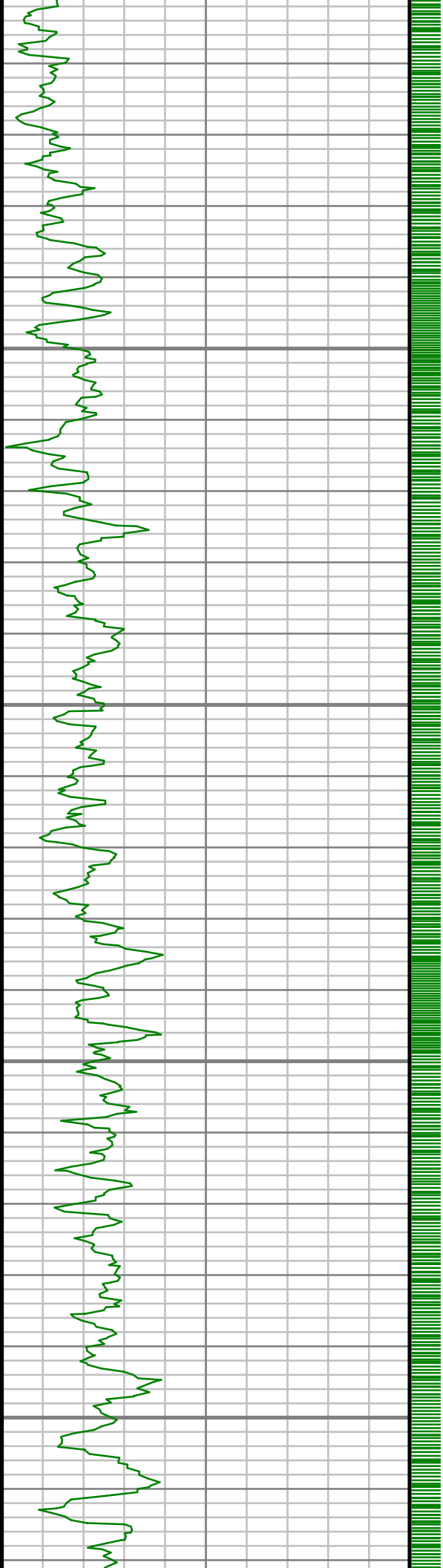
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5400

5450

5500

S: 34 MD: 5331.00 ft Inc: 1.61
deg Az: 344.58 deg TVD:
5292.52 ft

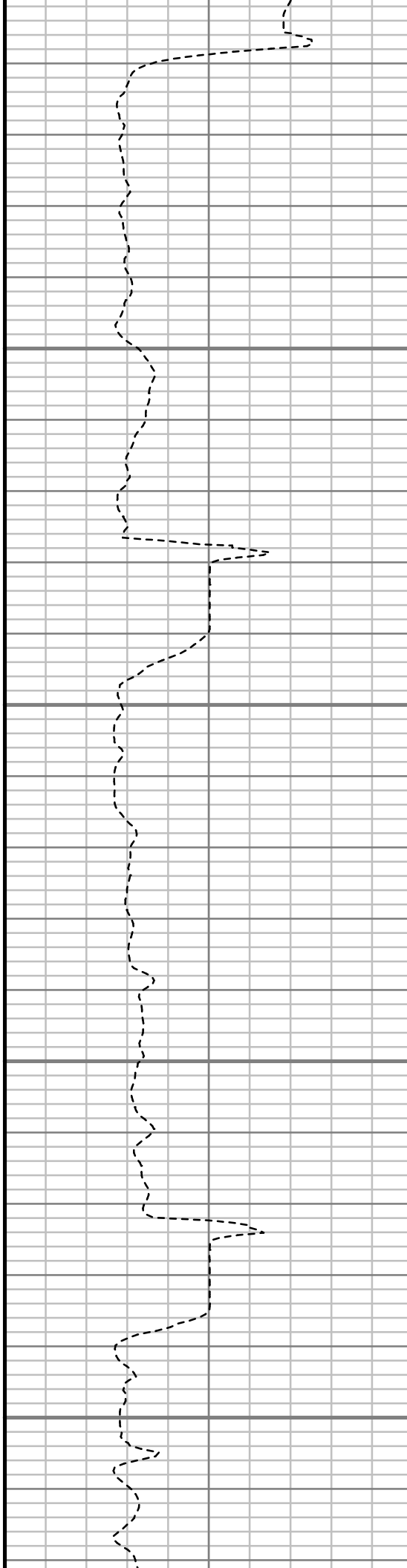


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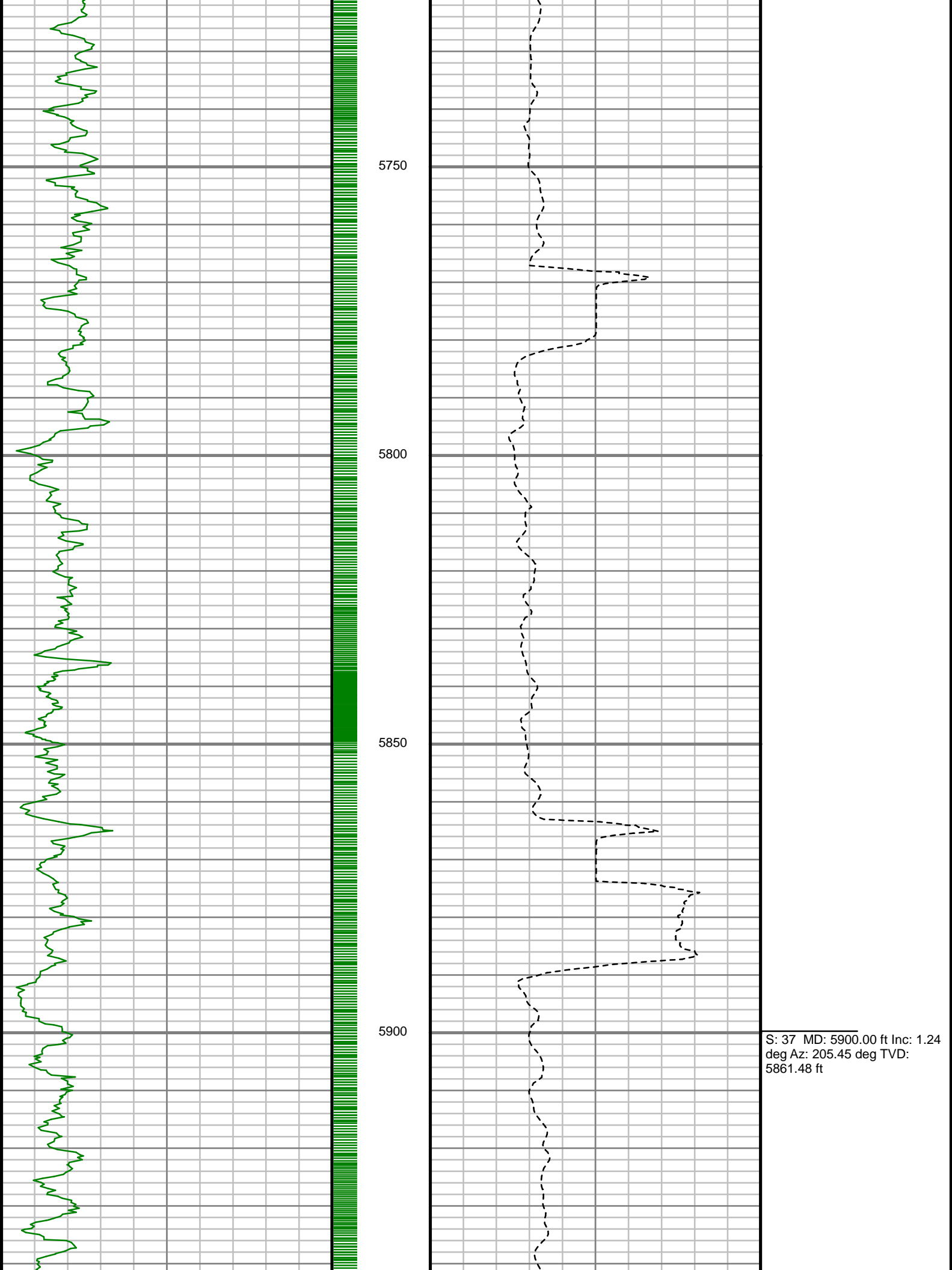
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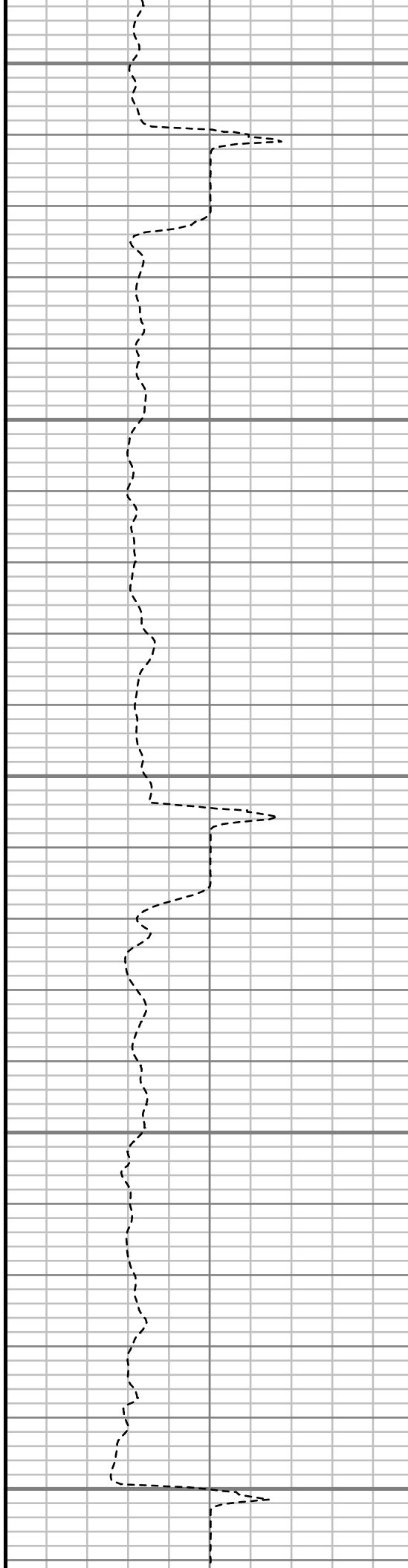
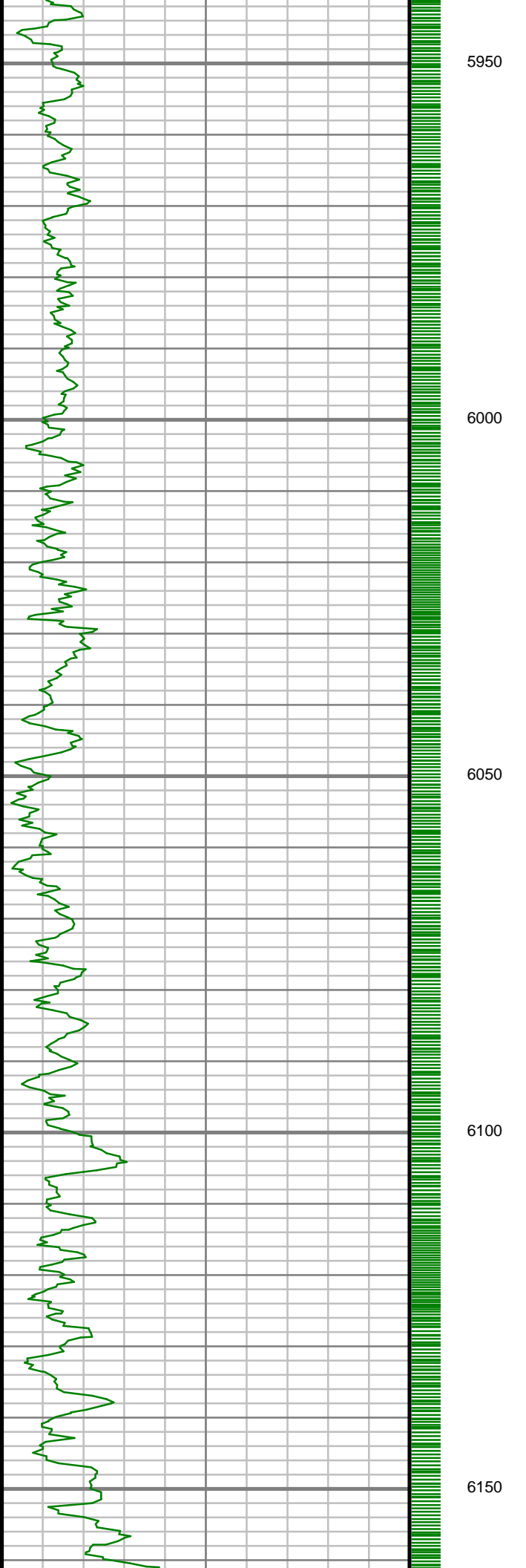
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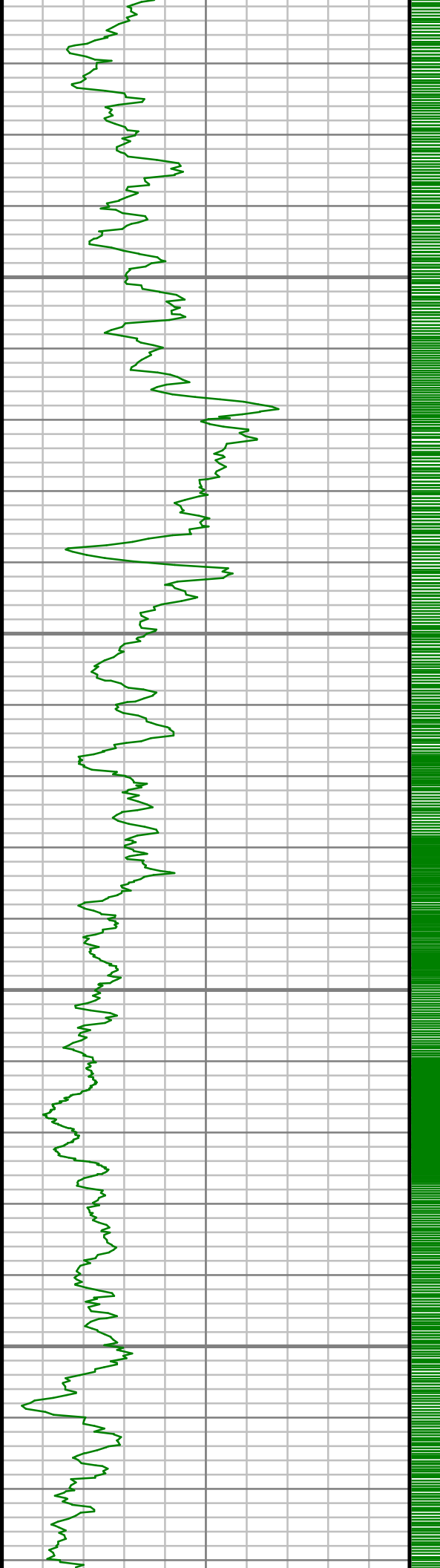
S: 35 MD: 5521.00 ft Inc: 0.86
deg Az: 171.58 deg TVD:
5482.51 ft

S: 36 MD: 5710.00 ft Inc: 0.59
deg Az: 68.00 deg TVD:
5671.50 ft





S: 38 MD: 6090.00 ft Inc: 0.20
deg Az: 98.62 deg TVD:
6051.47 ft

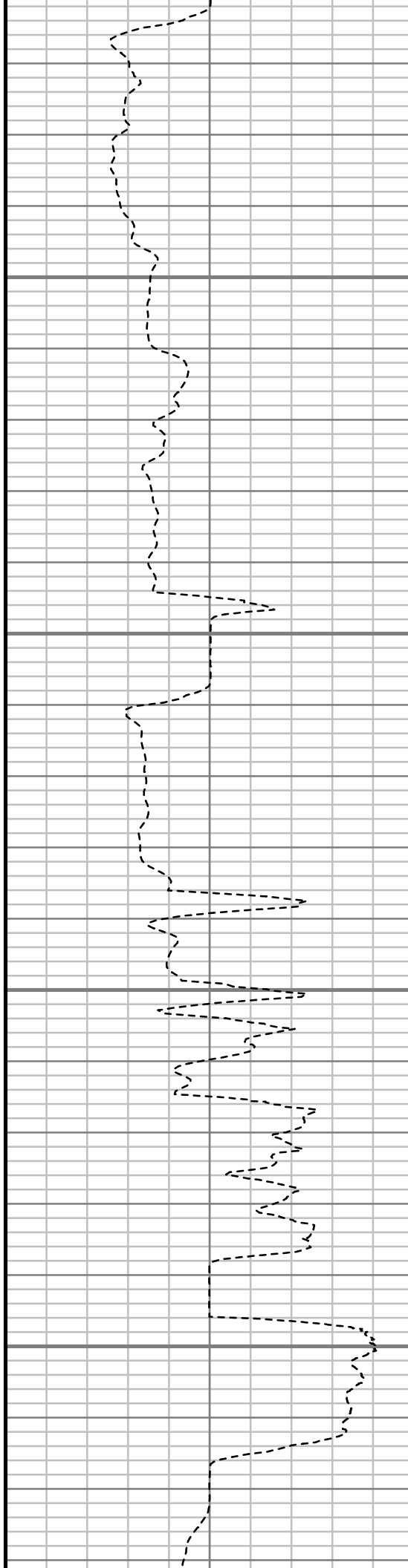


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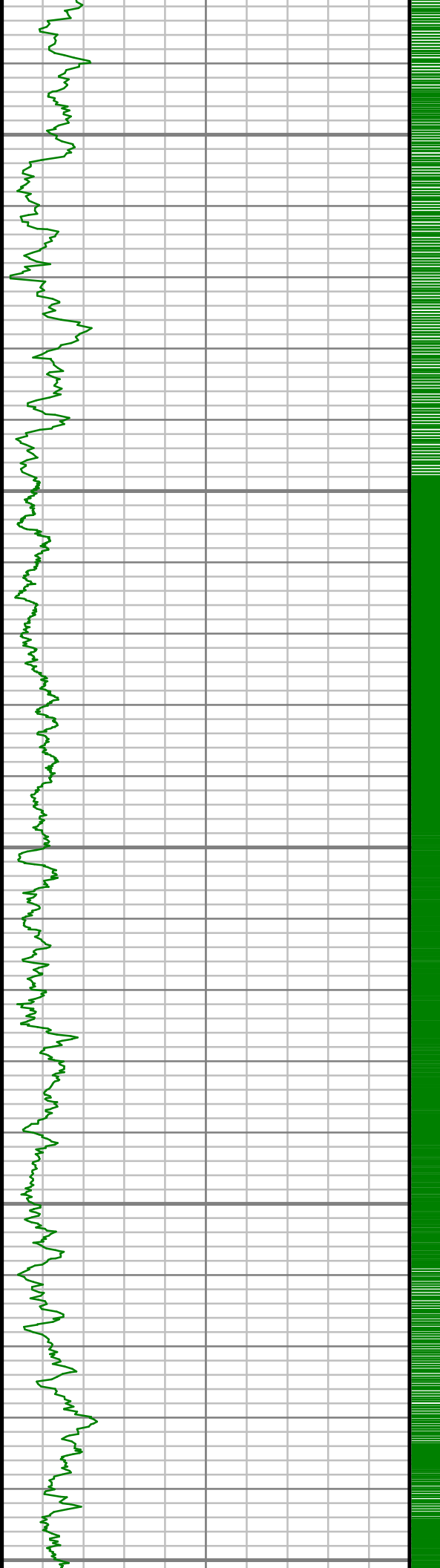
6250

6300

6350



S: 39 MD: 6279.00 ft Inc: 0.81
deg Az: 26.79 deg TVD:
6240.46 ft



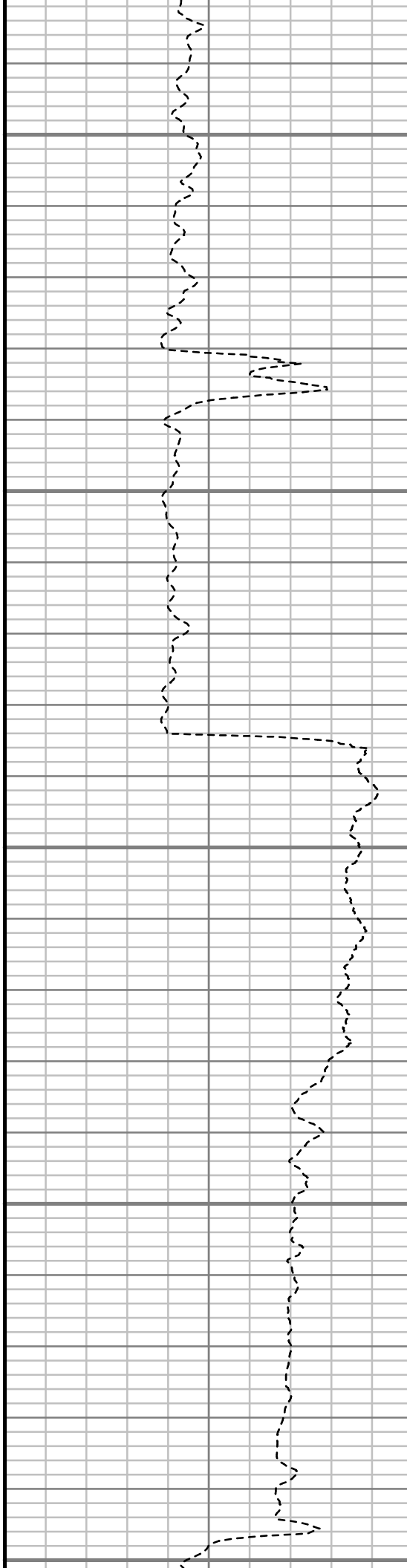
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6450

6500

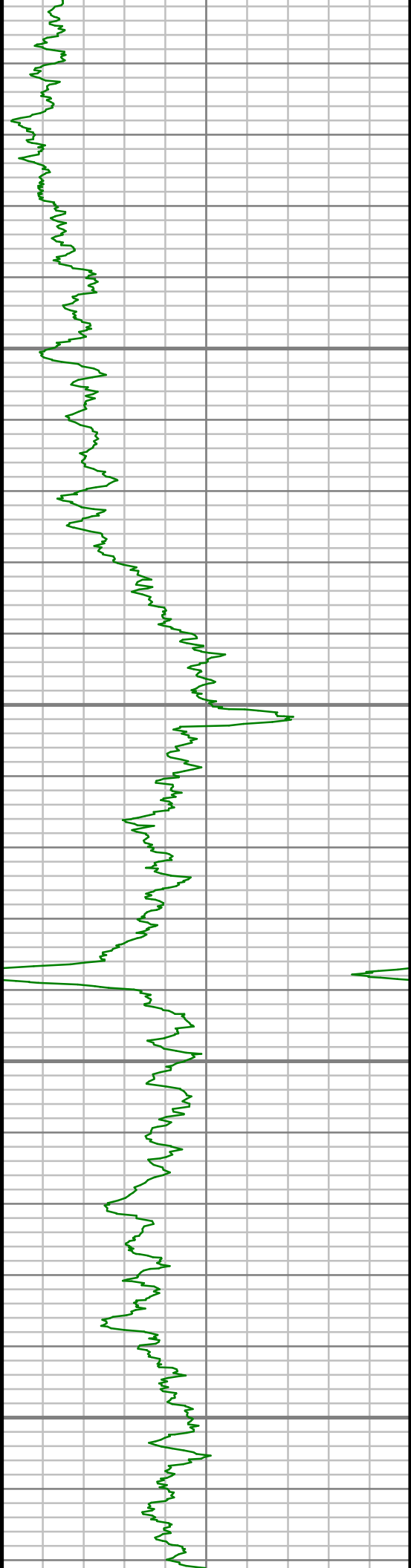
6550

6600



S: 40 MD: 6469.00 ft Inc: 0.46
deg Az: 120.18 deg TVD:
6430.45 ft

S: 41 MD: 6564.00 ft Inc: 12.37
deg Az: 167.44 deg TVD:
6524.70 ft

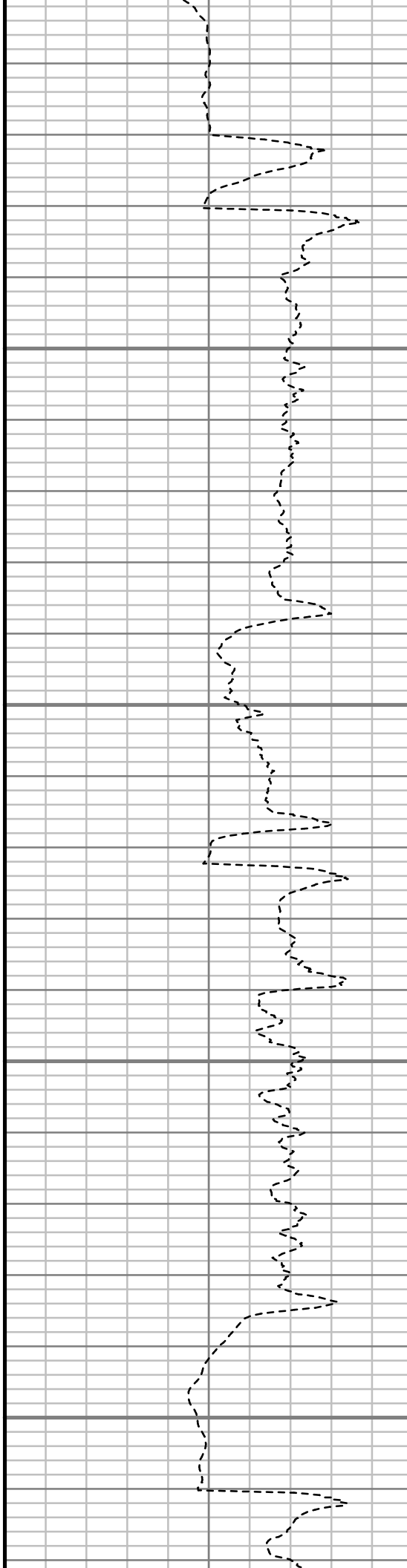


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6700

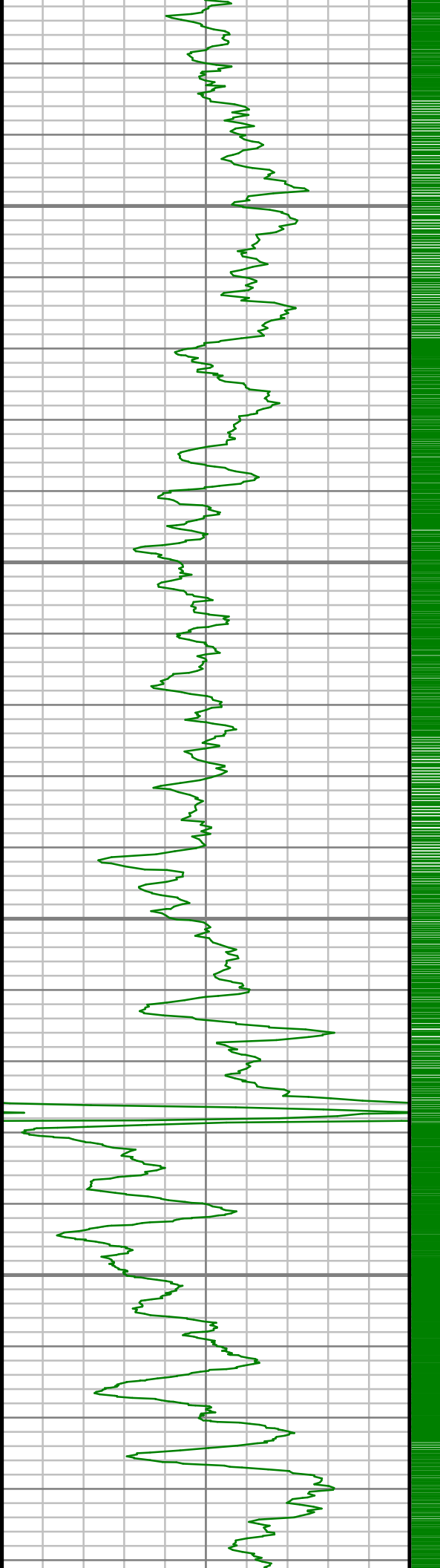
6750

6800



S: 42 MD: 6659.00 ft Inc: 20.78
deg Az: 176.56 deg TVD:
6615.68 ft

S: 43 MD: 6753.00 ft Inc: 28.64
deg Az: 177.47 deg TVD:
6701.01 ft

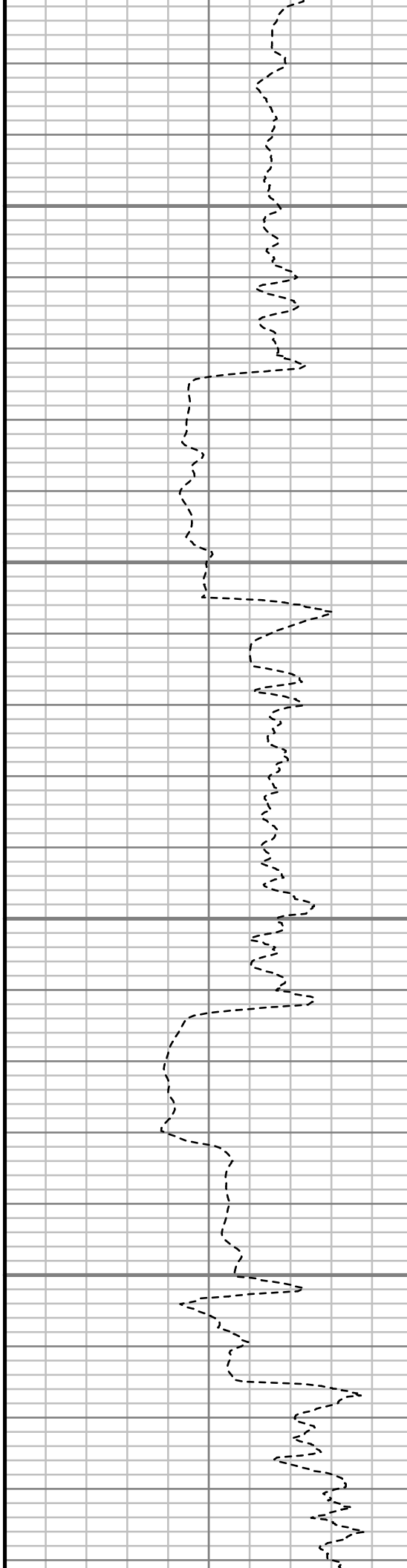


6850

6900

6950

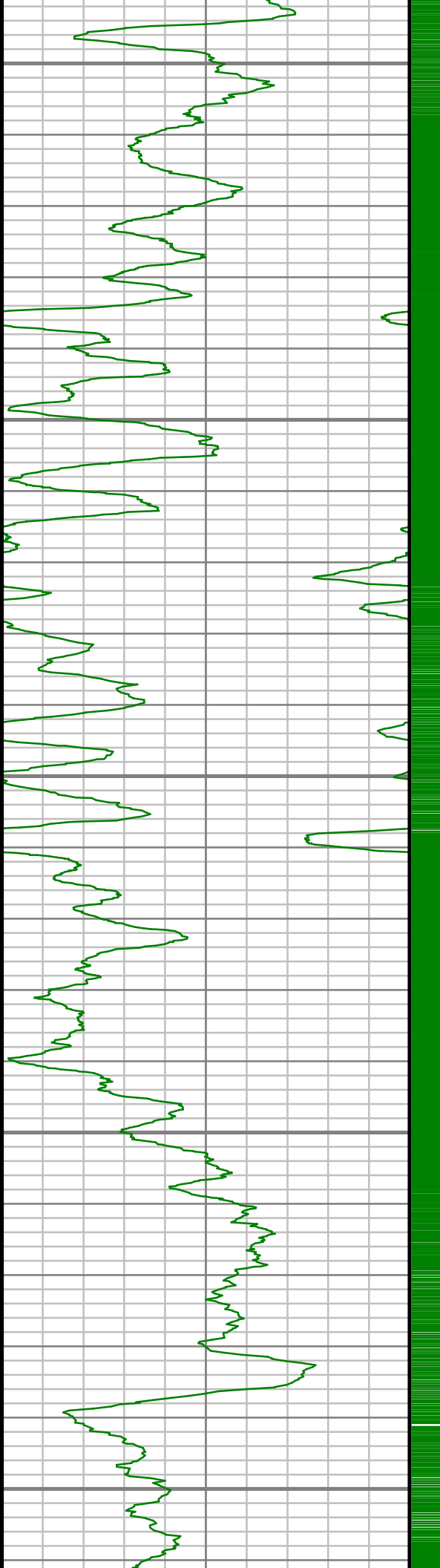
7000



S: 44 MD: 6848.00 ft Inc: 38.82
deg Az: 179.69 deg TVD:
6779.91 ft

S: 45 MD: 6943.00 ft Inc: 49.36
deg Az: 180.22 deg TVD:
6848.06 ft

S: 46 MD: 7037.00 ft Inc: 53.39
deg Az: 179.22 deg TVD:



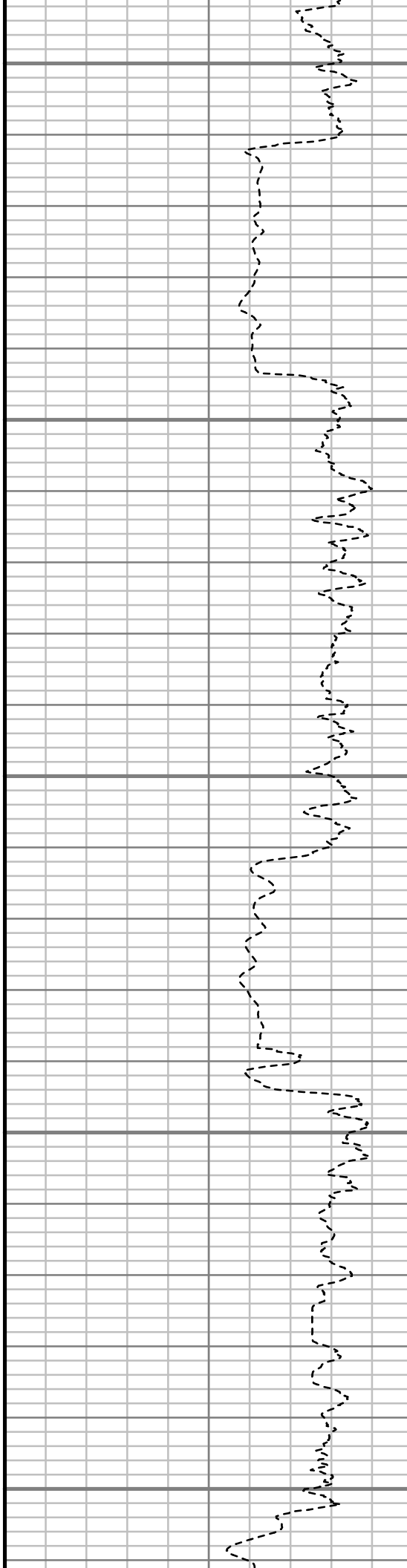
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7100

7150

7200

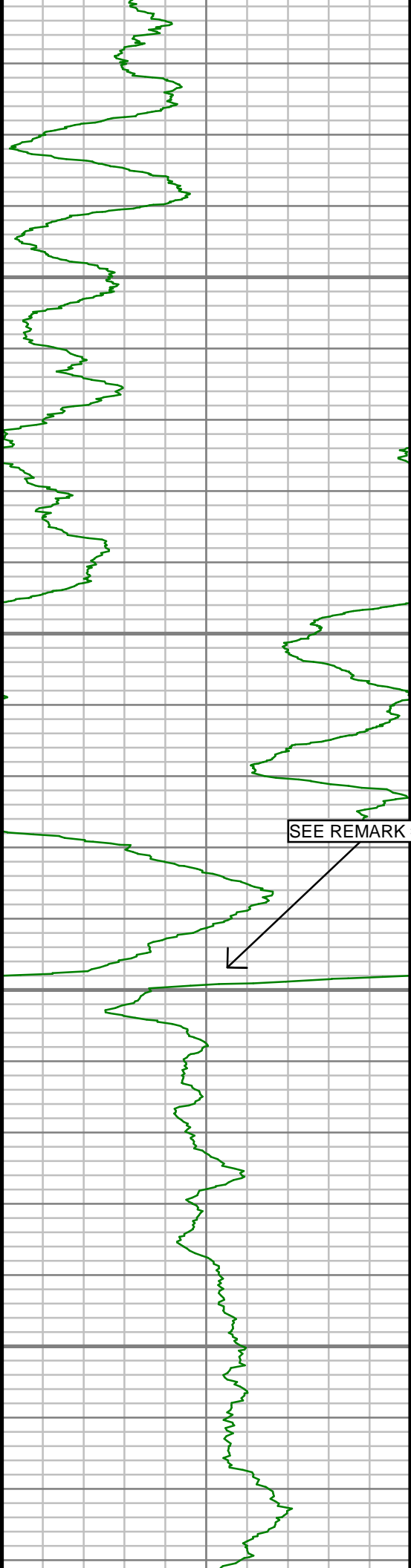
7250



deg Az: 176.22 deg TVD:
6906.73 ft

S: 47 MD: 7132.00 ft Inc: 62.30
deg Az: 179.80 deg TVD:
6957.23 ft

S: 48 MD: 7227.00 ft Inc: 72.31
deg Az: 182.22 deg TVD:
6993.84 ft



7300

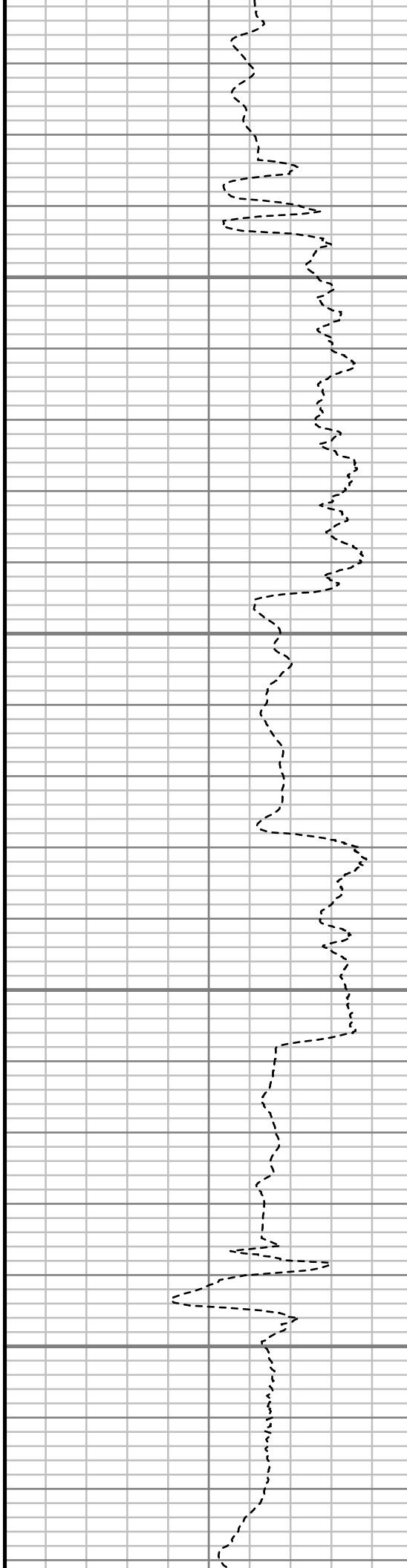
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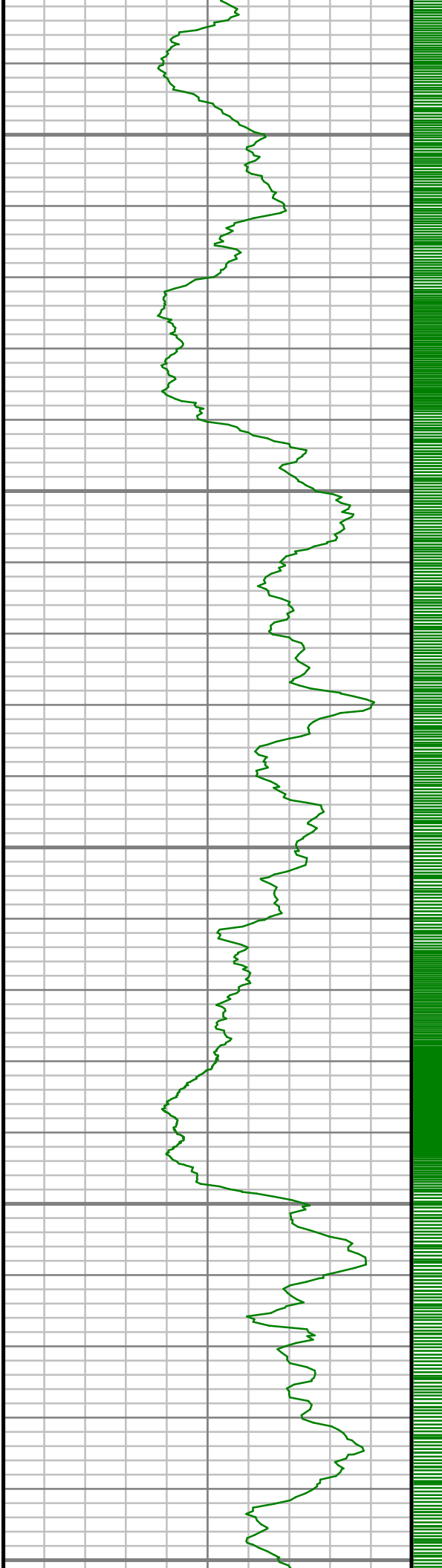
7400

7450

S: 49 MD: 7322.00 ft Inc: 80.59
deg Az: 182.40 deg TVD:
7016.08 ft

S: 50 MD: 7377.00 ft Inc: 84.46
deg Az: 180.03 deg TVD:
7023.24 ft





7500

7550

7600

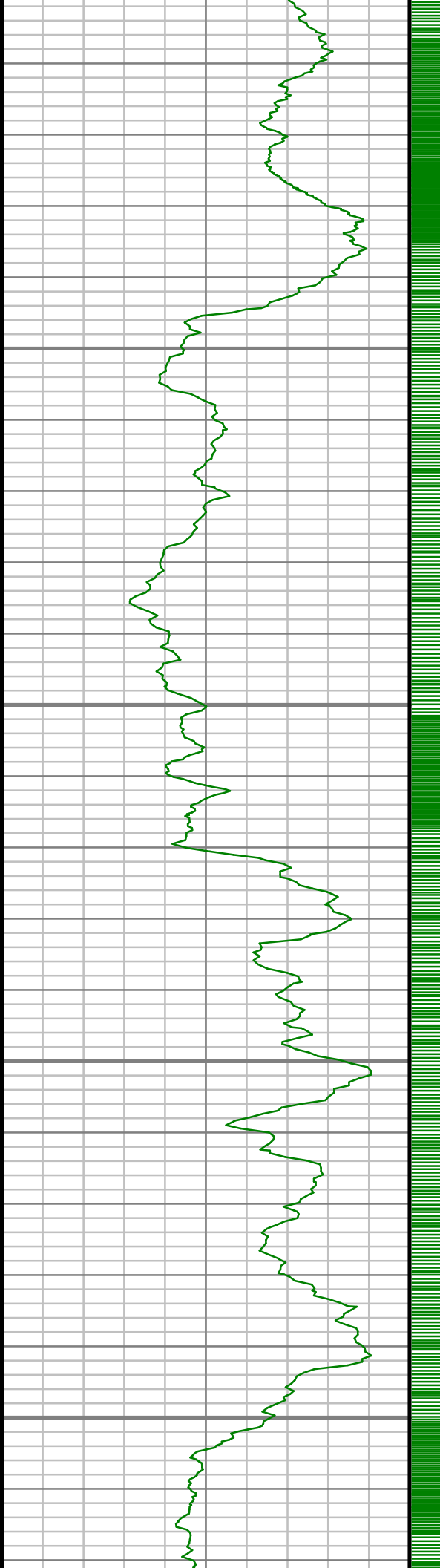
7650

7700

S: 51 MD: 7514.00 ft Inc: 89.13
deg Az: 178.89 deg TVD:
7030.90 ft

S: 52 MD: 7605.00 ft Inc: 88.32
deg Az: 179.30 deg TVD:
7032.93 ft

S: 53 MD: 7697.00 ft Inc: 89.70
deg Az: 179.50 deg TVD:

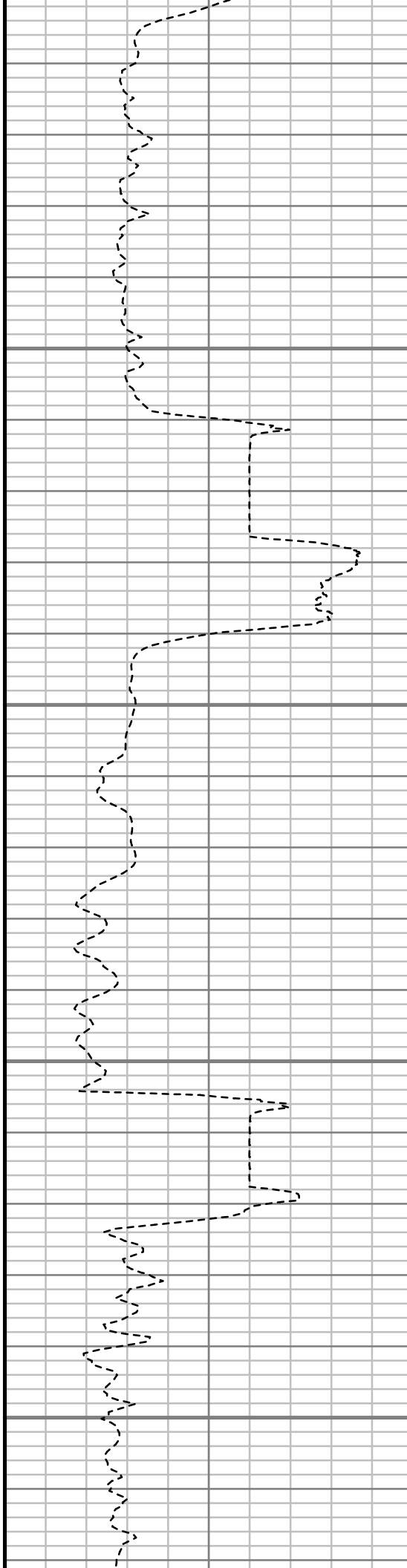


7750

7800

7850

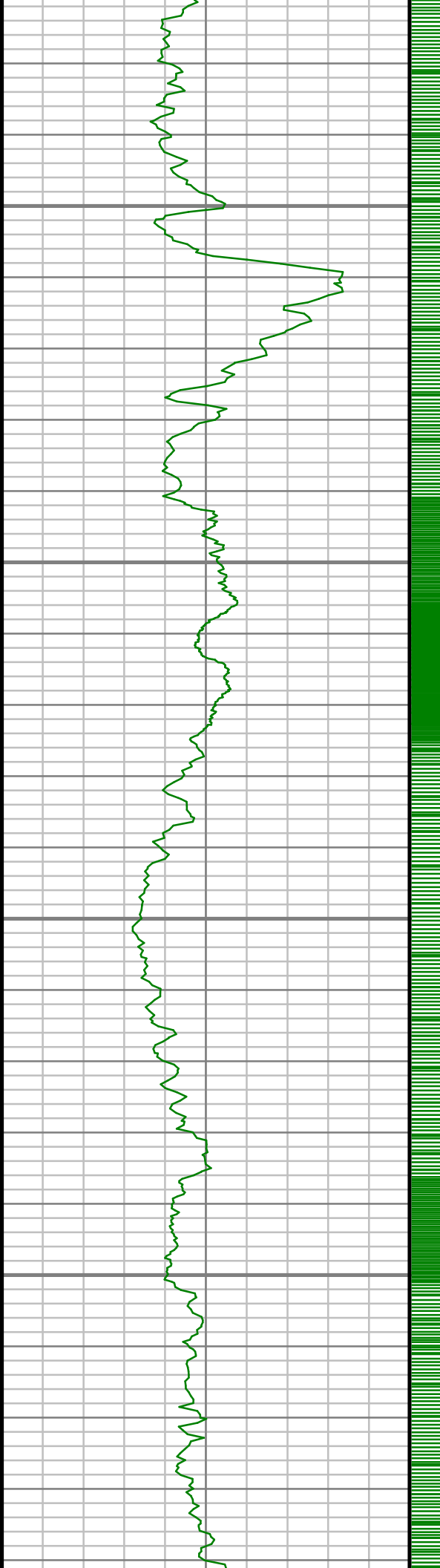
7900



deg Az: 176.00 deg TVD:
7034.52 ft

S: 54 MD: 7791.00 ft Inc: 90.10
deg Az: 180.08 deg TVD:
7034.68 ft

S: 55 MD: 7886.00 ft Inc: 89.26
deg Az: 180.31 deg TVD:
7035.21 ft

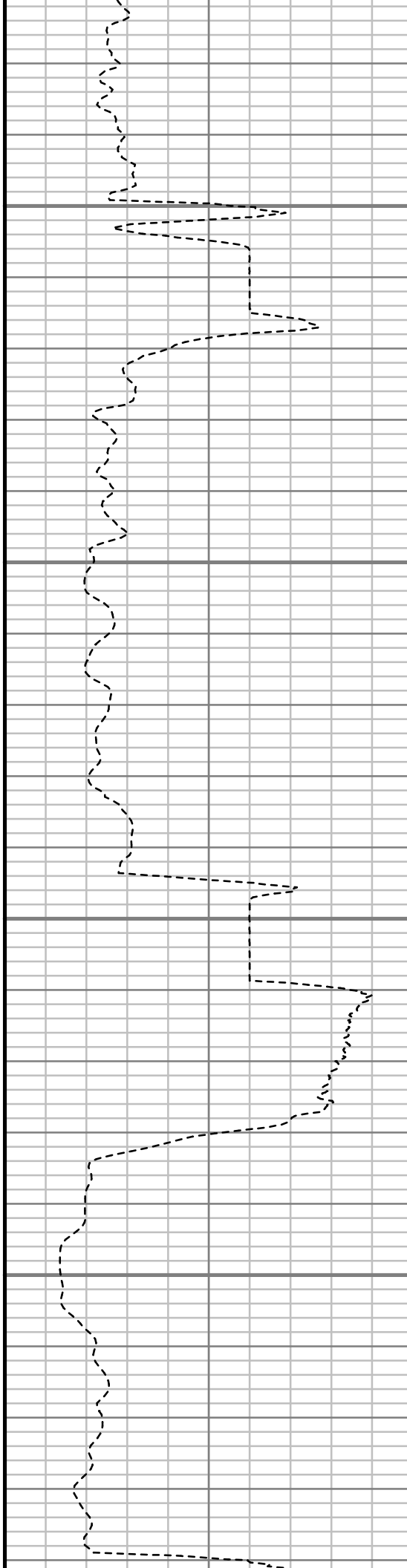


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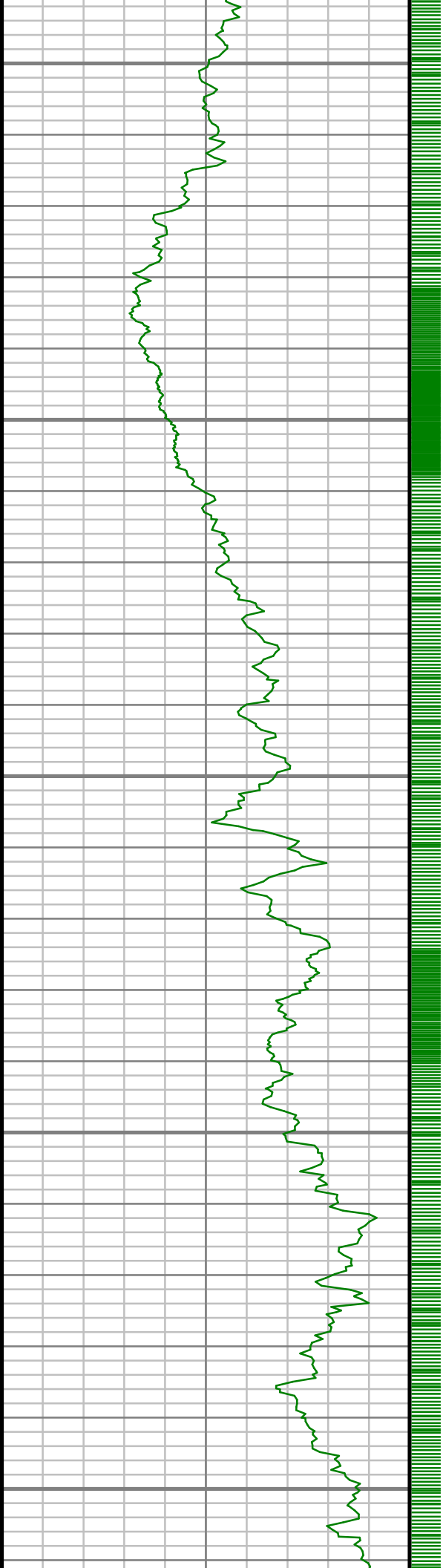
8050

8100



S: 56 MD: 7981.00 ft Inc: 89.23
deg Az: 180.24 deg TVD:
7036.47 ft

S: 57 MD: 8075.00 ft Inc: 90.77
deg Az: 179.99 deg TVD:
7036.47 ft



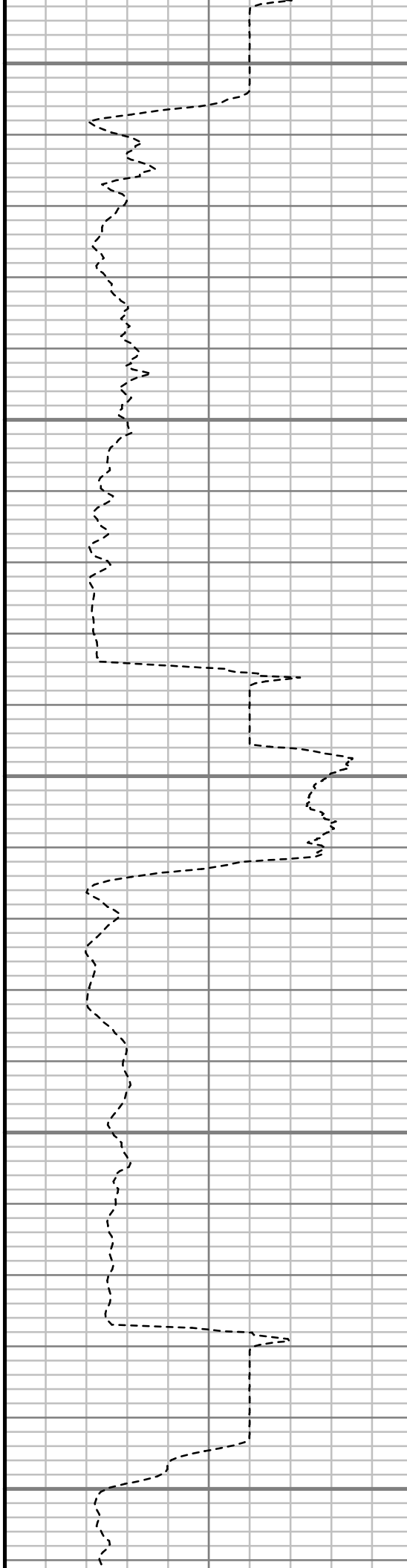
8150

8200

8250

8300

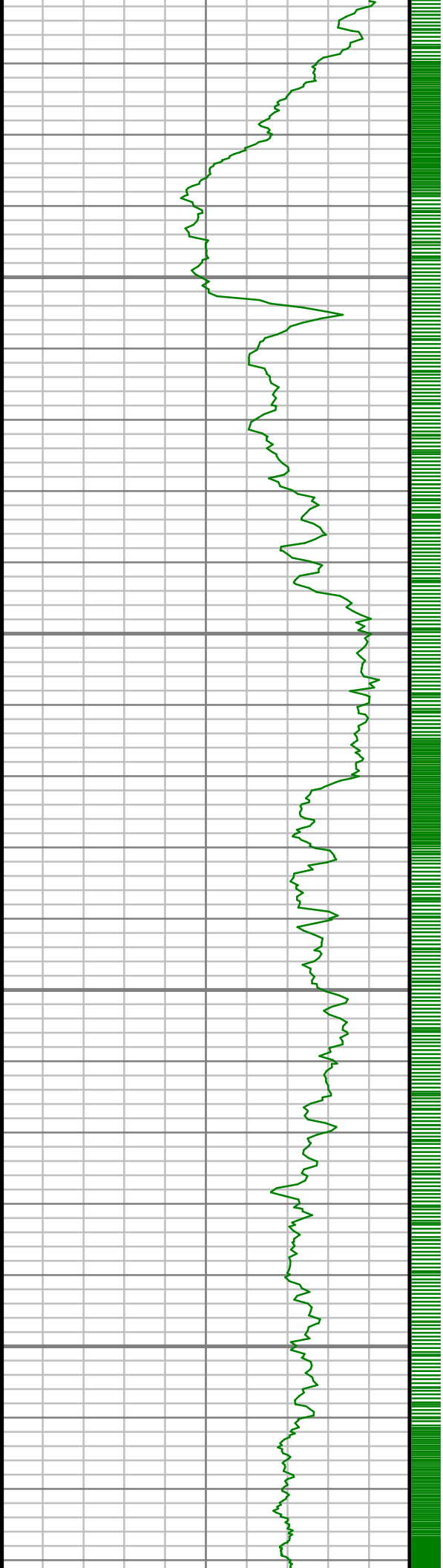
8350



S: 58 MD: 8170.00 ft Inc: 90.91
deg Az: 180.05 deg TVD:
7035.08 ft

S: 59 MD: 8265.00 ft Inc: 89.80
deg Az: 179.65 deg TVD:
7034.49 ft

S: 60 MD: 8260.00 ft Inc: 89.76

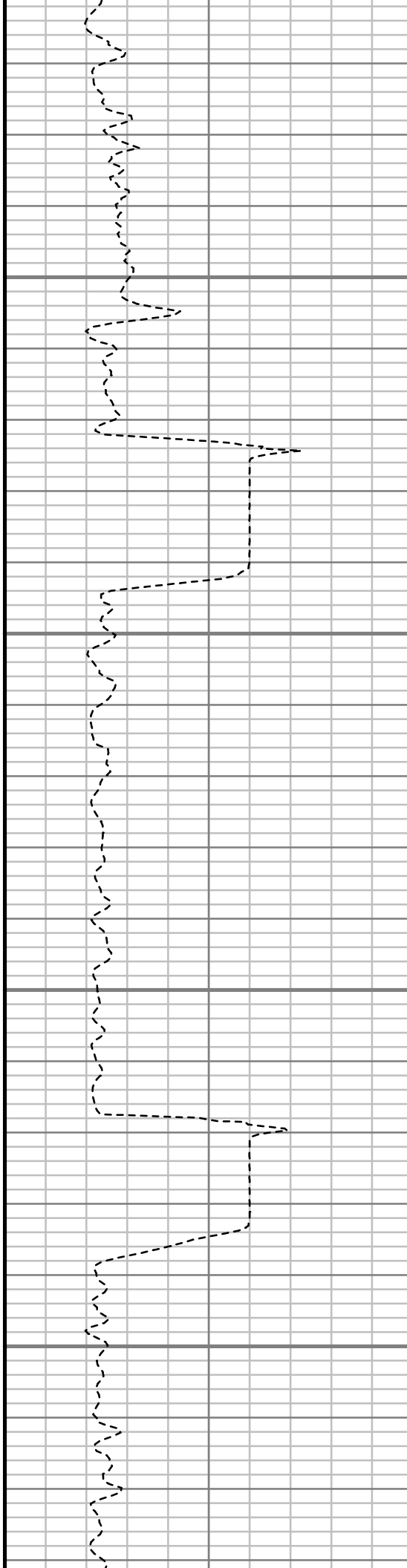


8400

8450

8500

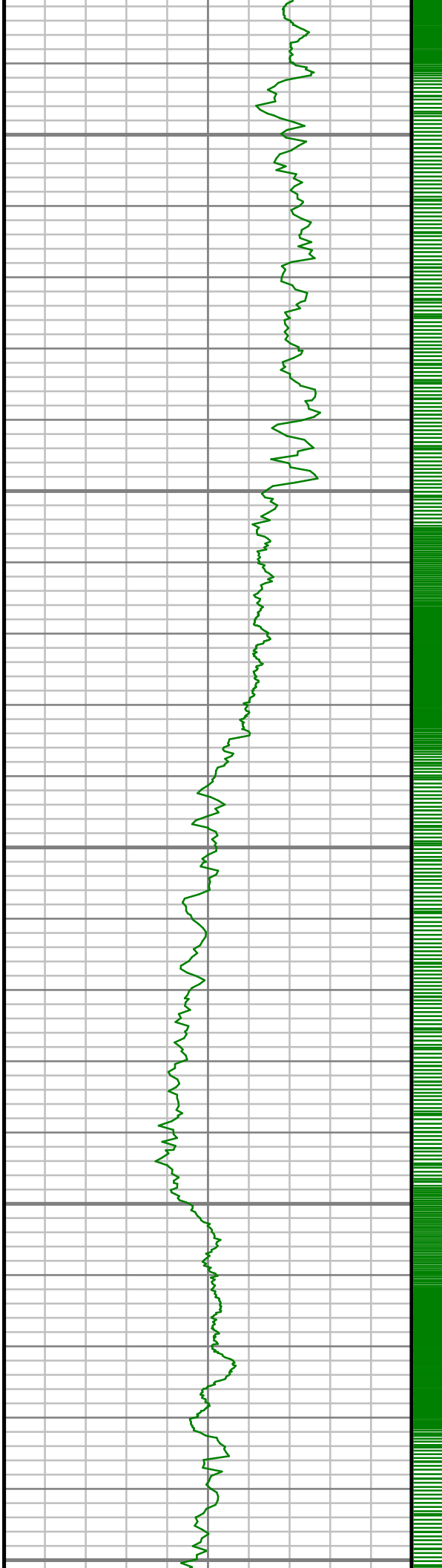
8550



S: 60 MD: 8360.00 ft Inc: 89.76
deg Az: 179.58 deg TVD:
7034.86 ft

S: 61 MD: 8454.00 ft Inc: 89.93
deg Az: 179.11 deg TVD:
7035.10 ft

S: 62 MD: 8549.00 ft Inc: 90.20
deg Az: 178.47 deg TVD:
7034.99 ft



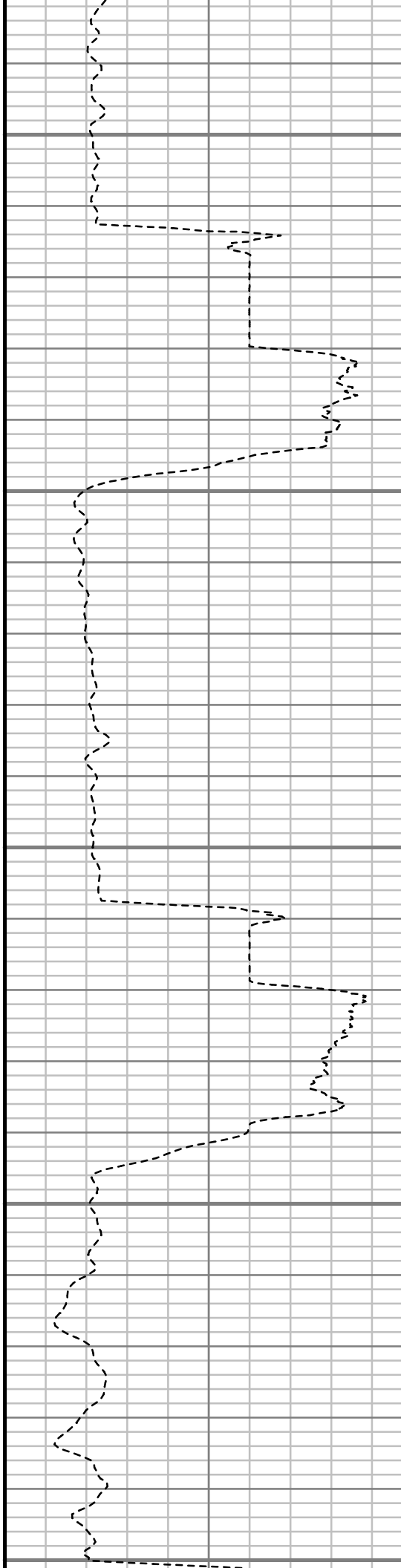
8600

8650

8700

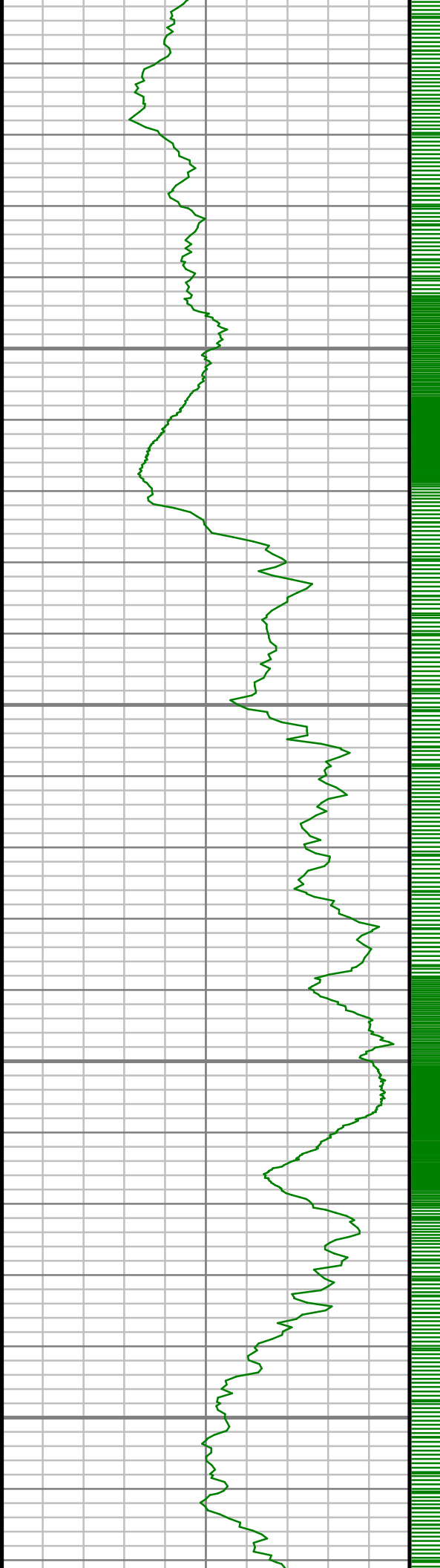
8750

8800



S: 63 MD: 8643.00 ft Inc: 90.87
deg Az: 179.42 deg TVD:
7034.11 ft

S: 64 MD: 8738.00 ft Inc: 90.17
deg Az: 179.70 deg TVD:
7033.25 ft

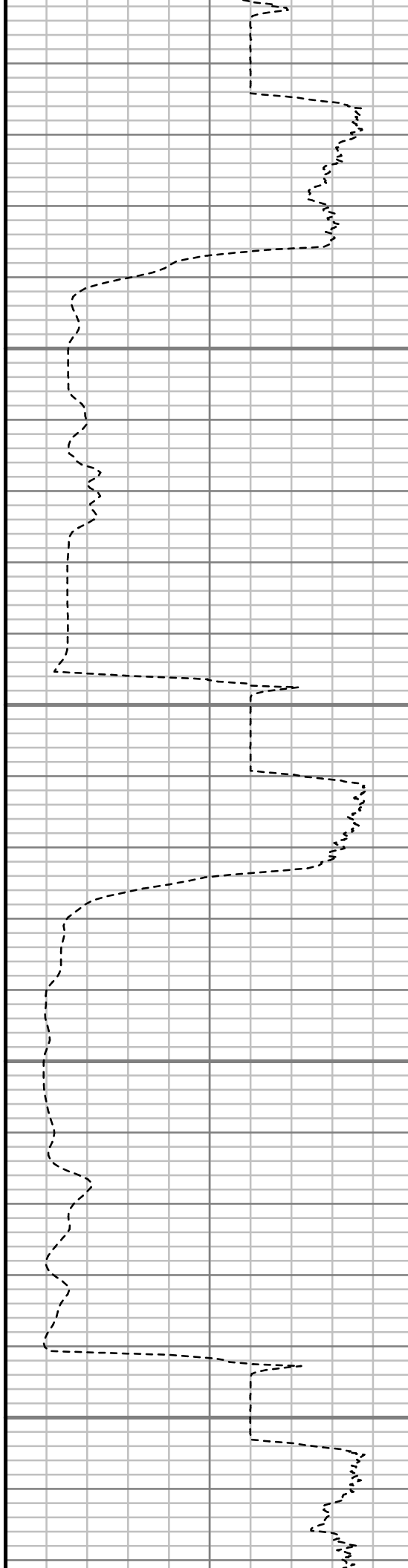


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8900

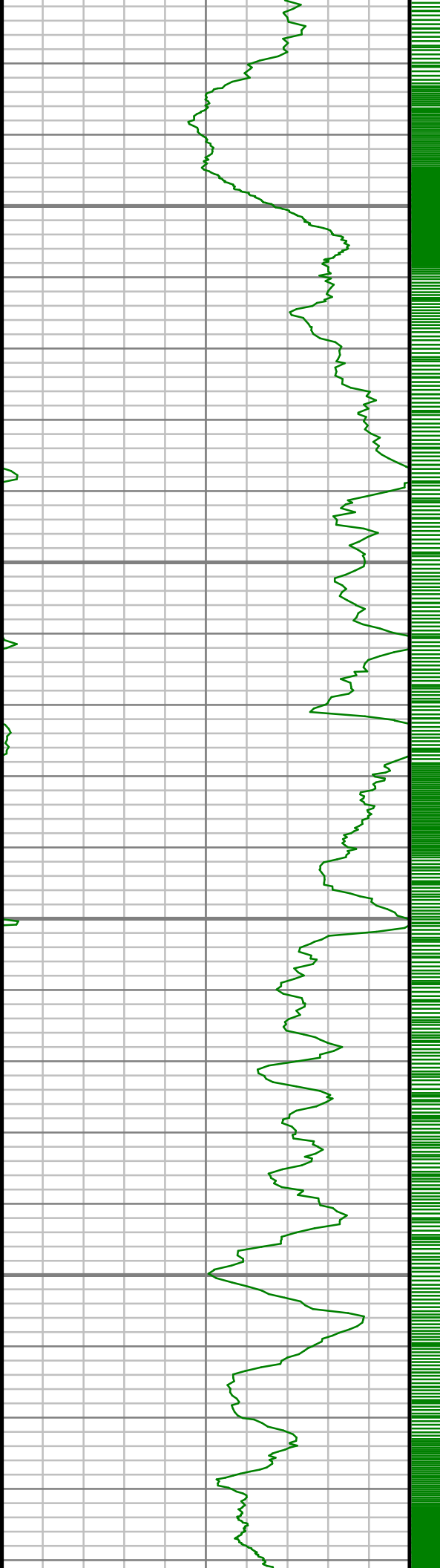
8950

9000



S: 65 MD: 8832.00 ft Inc: 88.05
deg Az: 180.48 deg TVD:
7034.71 ft

S: 66 MD: 8927.00 ft Inc: 87.28
deg Az: 182.19 deg TVD:
7038.58 ft

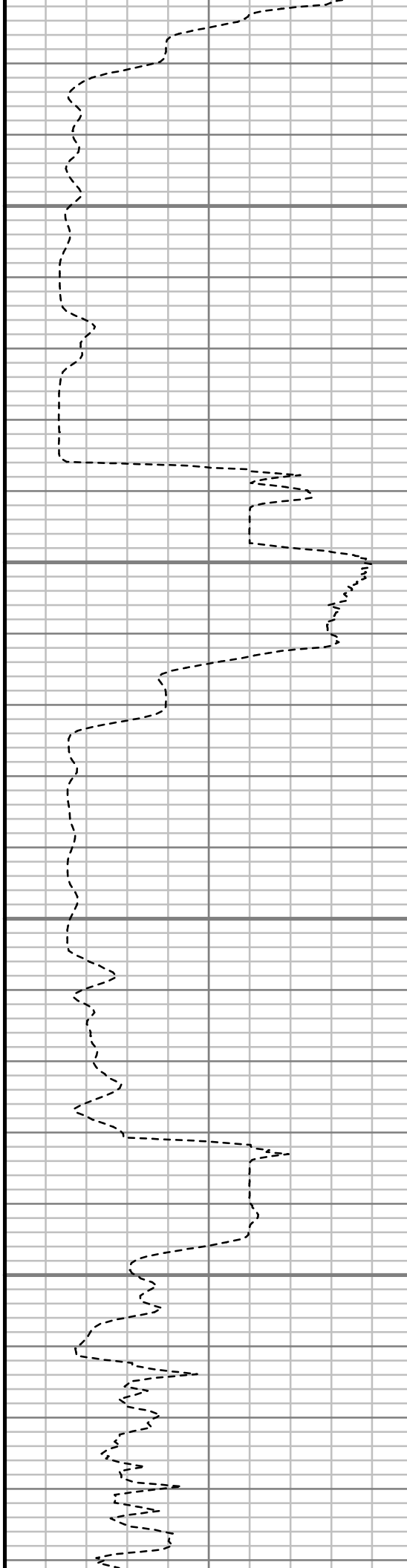


9050

9100

9150

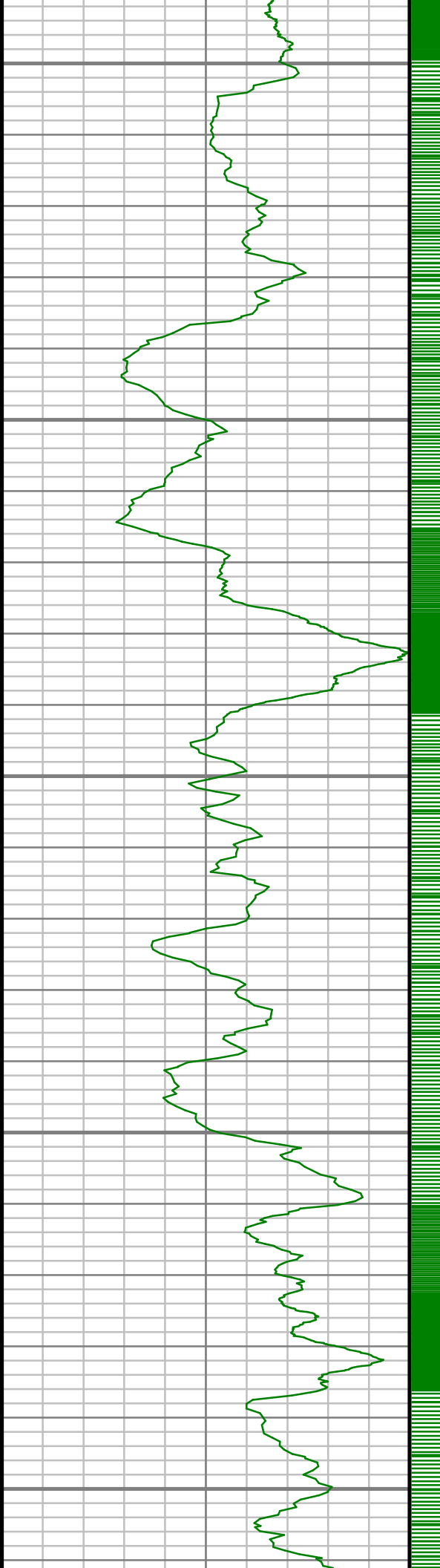
9200



S: 67 MD: 9022.00 ft Inc: 88.39
deg Az: 182.99 deg TVD:
7042.17 ft

S: 68 MD: 9116.00 ft Inc: 89.46
deg Az: 182.72 deg TVD:
7043.93 ft

S: 69 MD: 9211.00 ft Inc: 87.79
deg Az: 184.39 deg TVD:
7046.21 ft



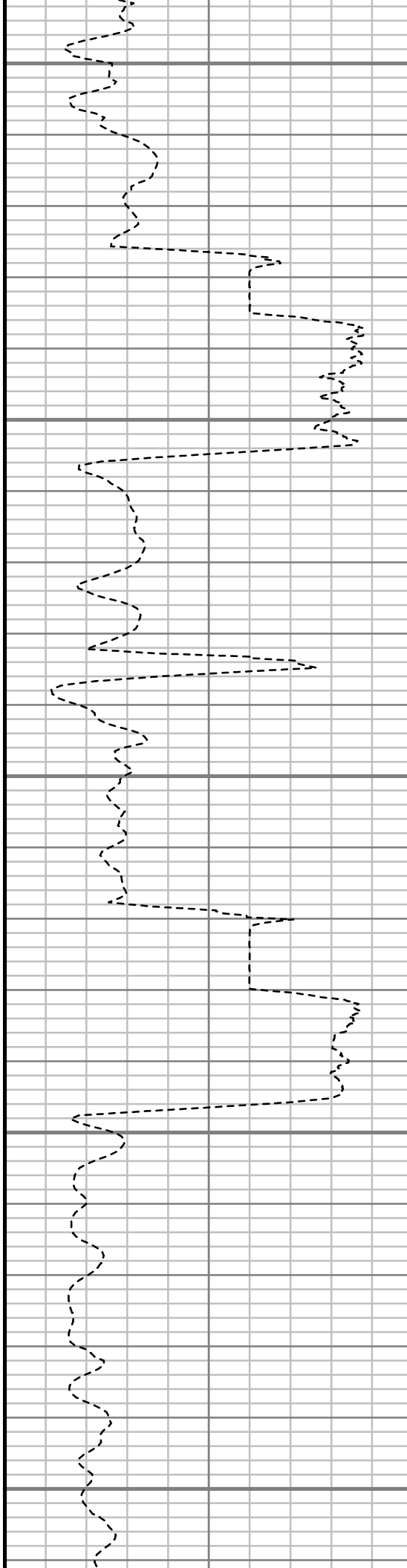
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9300

9350

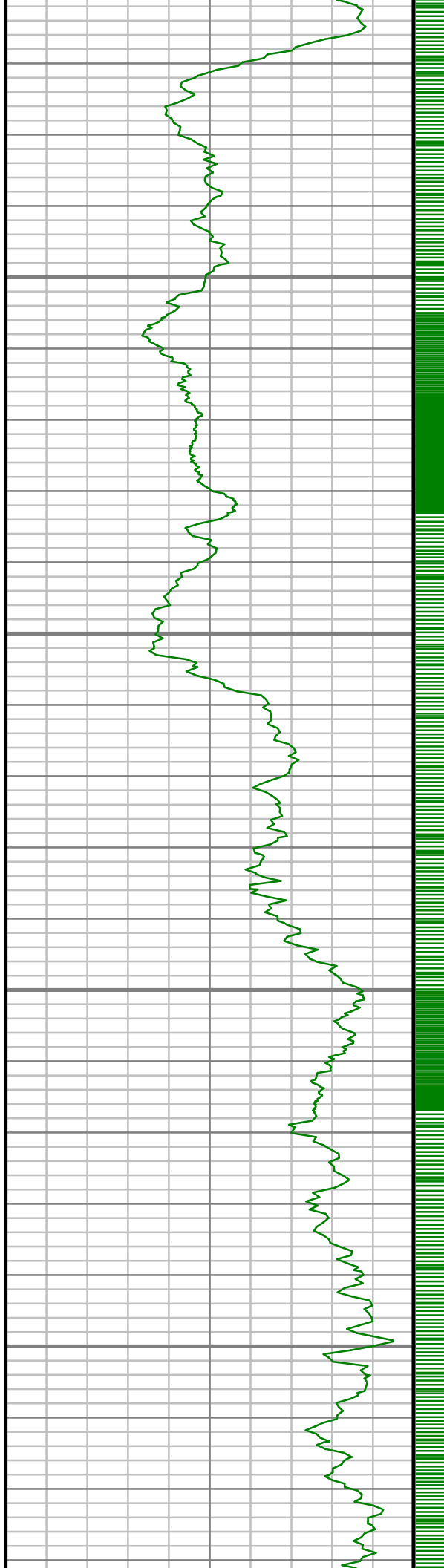
9400

9450



S: 70 MD: 9306.00 ft Inc: 88.06
deg Az: 183.57 deg TVD:
7049.66 ft

S: 71 MD: 9401.00 ft Inc: 88.32
deg Az: 182.19 deg TVD:
7052.66 ft

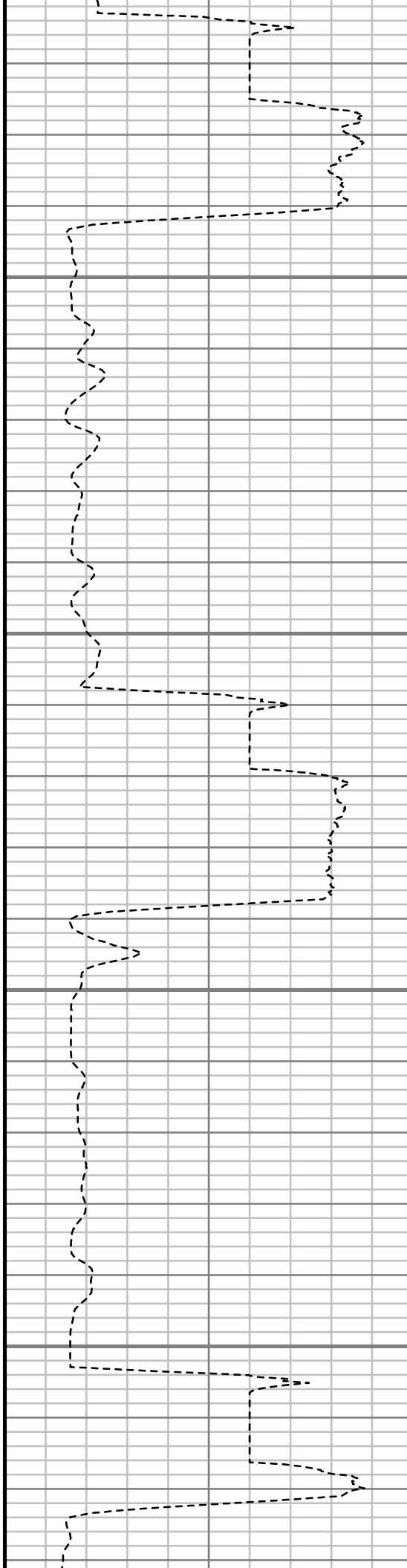


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9550

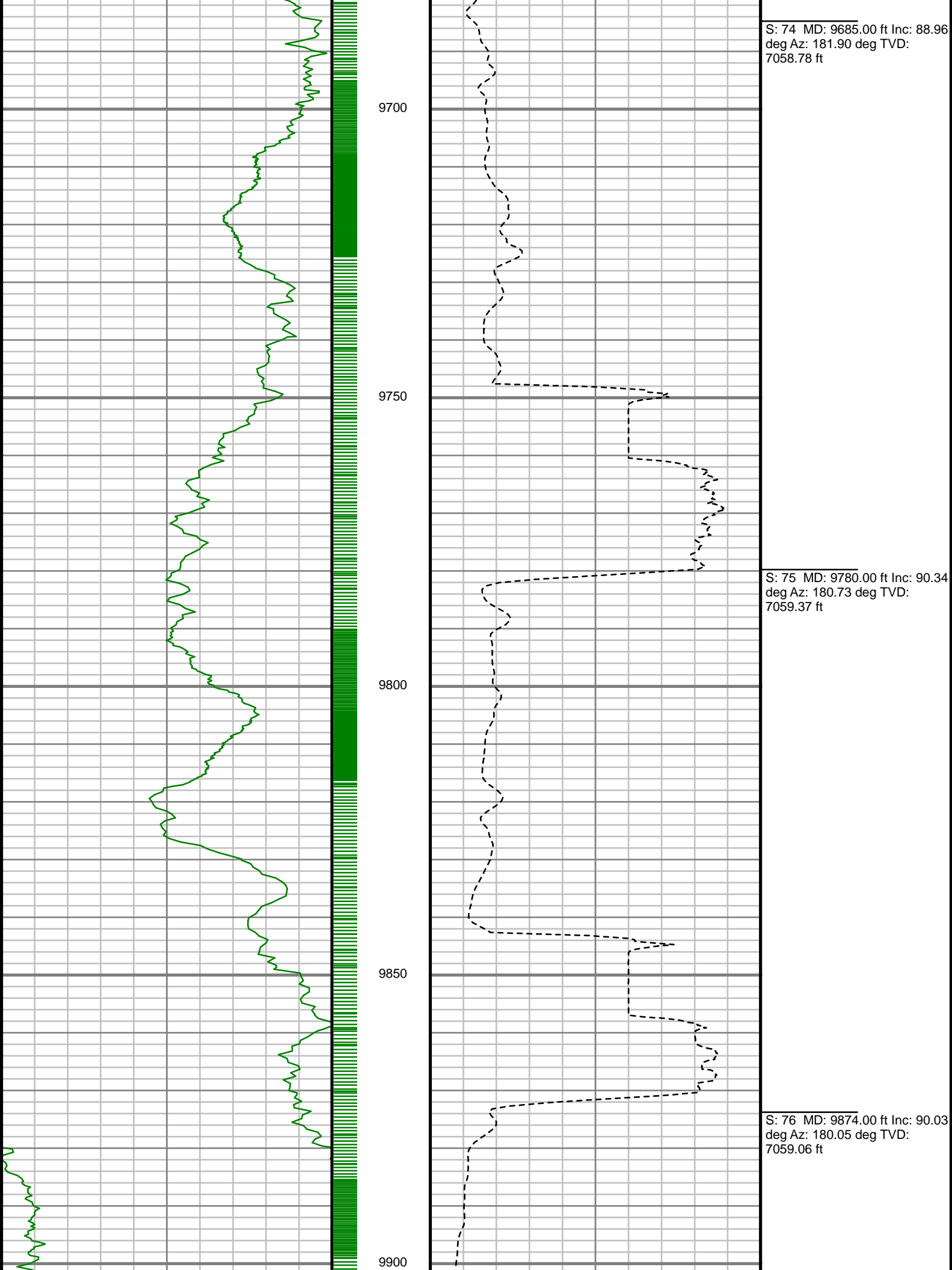
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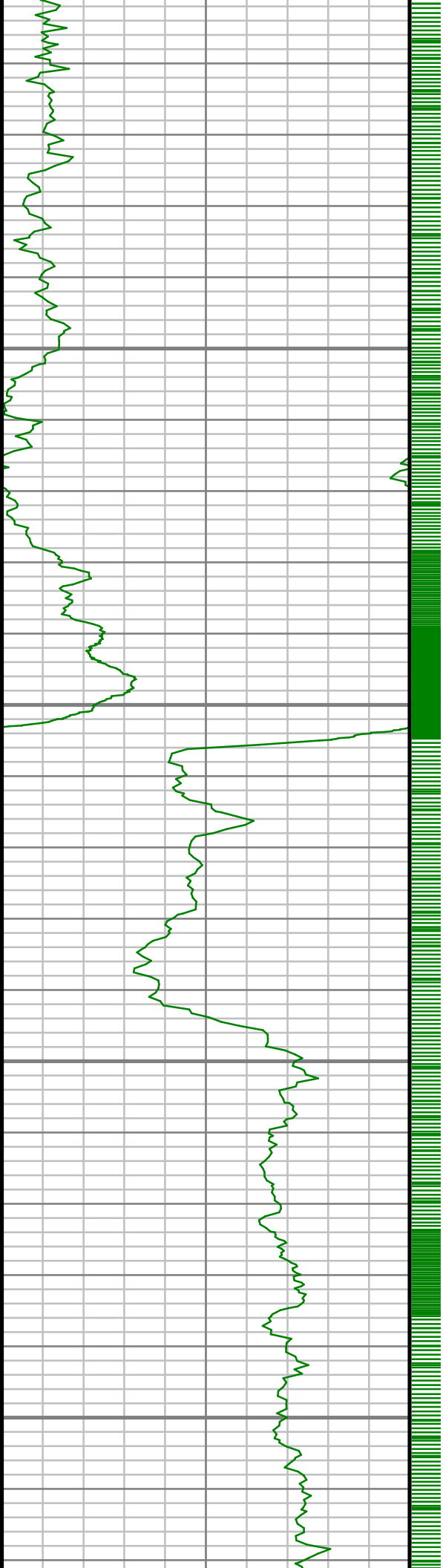
9650



S: 72 MD: 9495.00 ft Inc: 88.15
deg Az: 181.62 deg TVD:
7055.55 ft

S: 73 MD: 9590.00 ft Inc: 89.50
deg Az: 180.91 deg TVD:
7057.50 ft



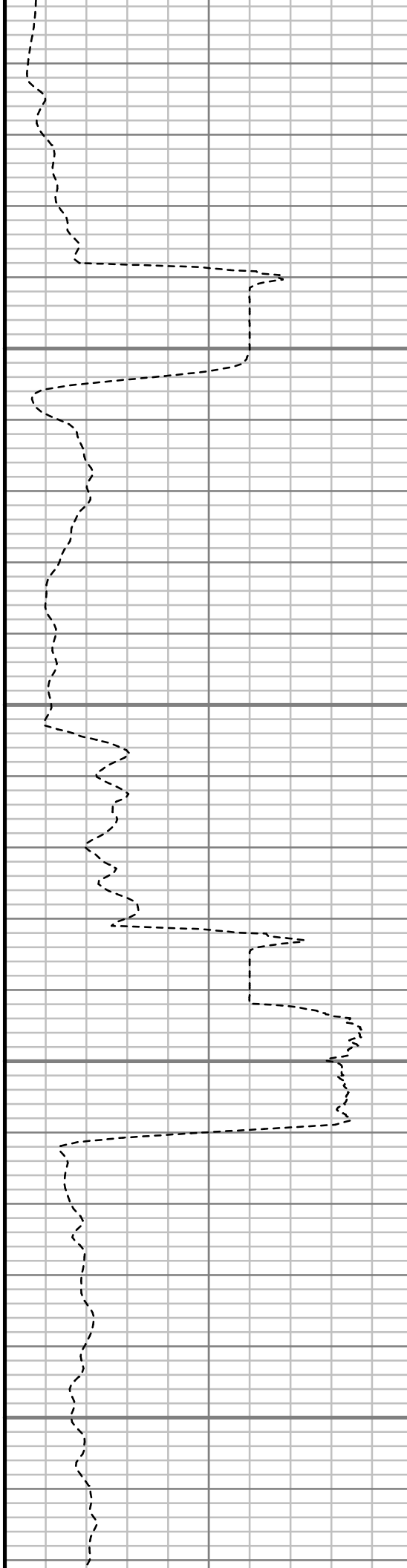


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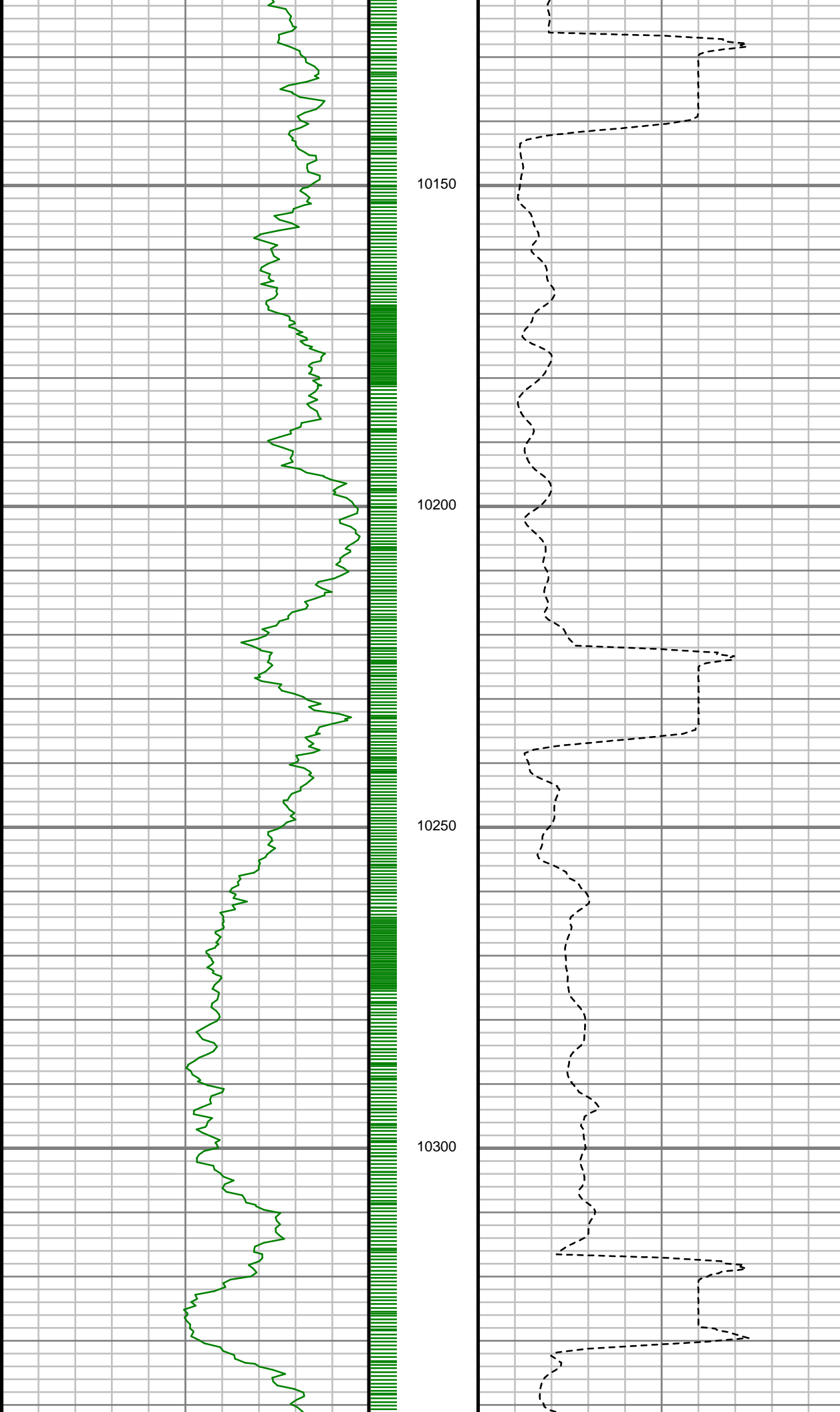
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10100



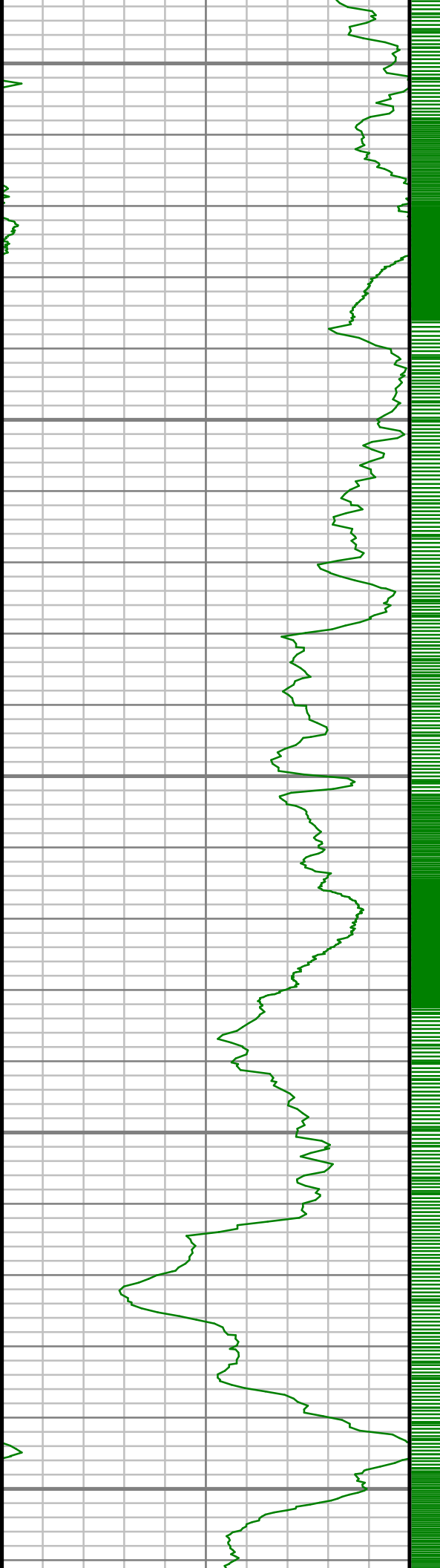
S: 77 MD: 9969.00 ft Inc: 88.93
deg Az: 178.15 deg TVD:
7059.93 ft

S: 78 MD: 10064.00 ft Inc:
89.77 deg Az: 178.92 deg TVD:
7061.01 ft



S: 79 MD: 10159.00 ft Inc:
90.03 deg Az: 179.01 deg TVD:
7061.18 ft

S: 80 MD: 10254.00 ft Inc:
89.46 deg Az: 178.60 deg TVD:
7061.59 ft



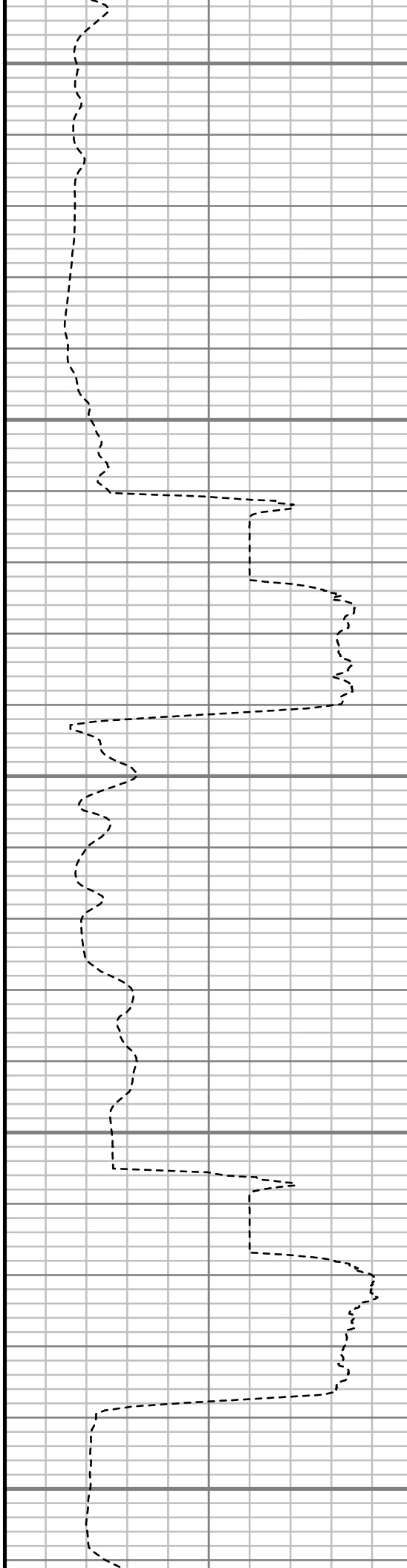
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10400

10450

10500

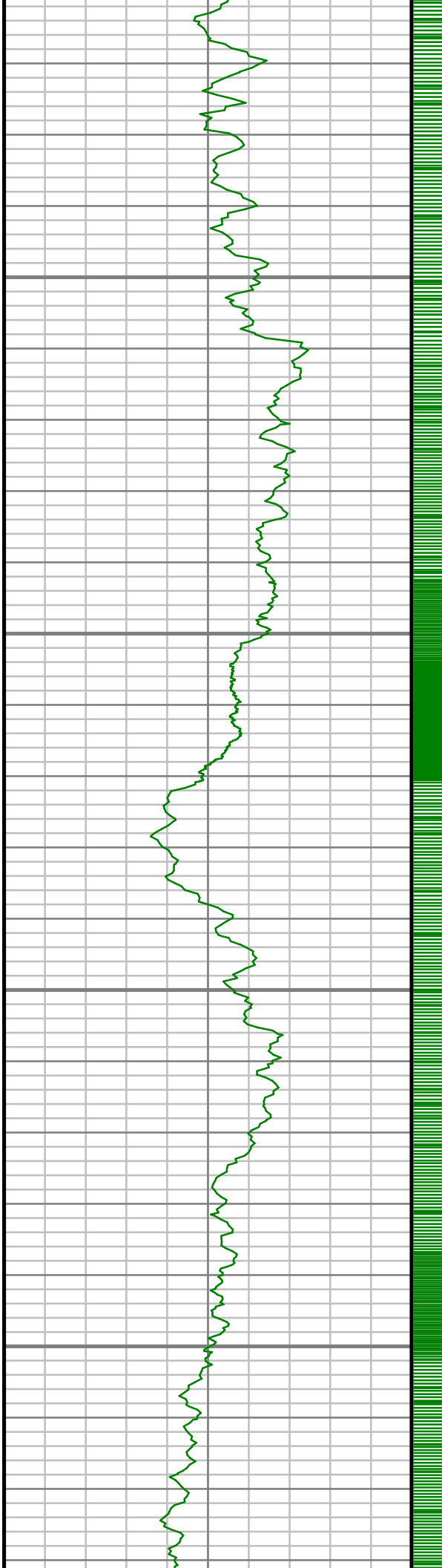
10550



S: 81 MD: 10348.00 ft Inc:
88.52 deg Az: 178.65 deg TVD:
7063.25 ft

S: 82 MD: 10443.00 ft Inc:
89.03 deg Az: 179.60 deg TVD:
7065.28 ft

S: 83 MD: 10538.00 ft Inc:
90.54 deg Az: 179.45 deg TVD:
7065.65 ft



10600

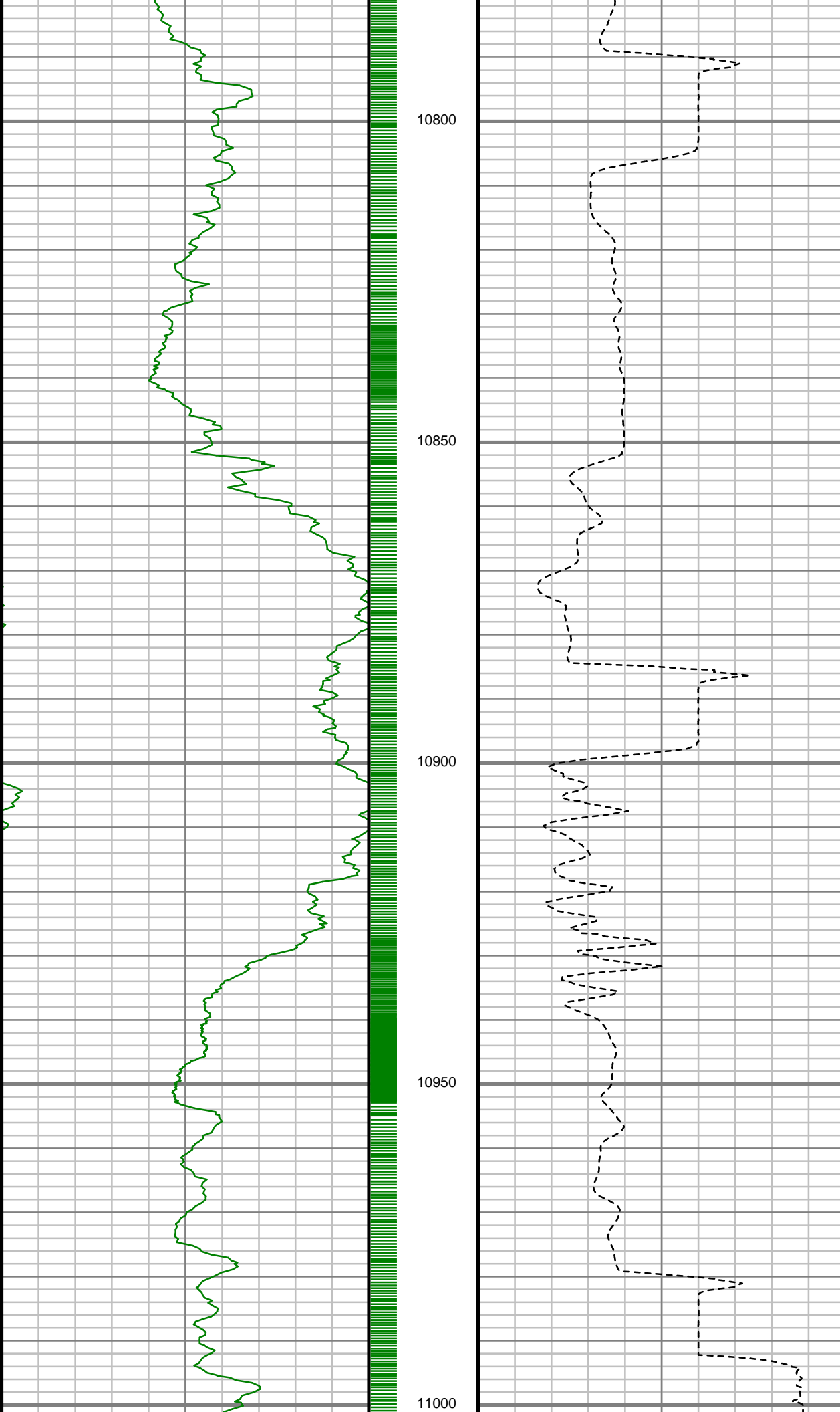
10650

10700

10750

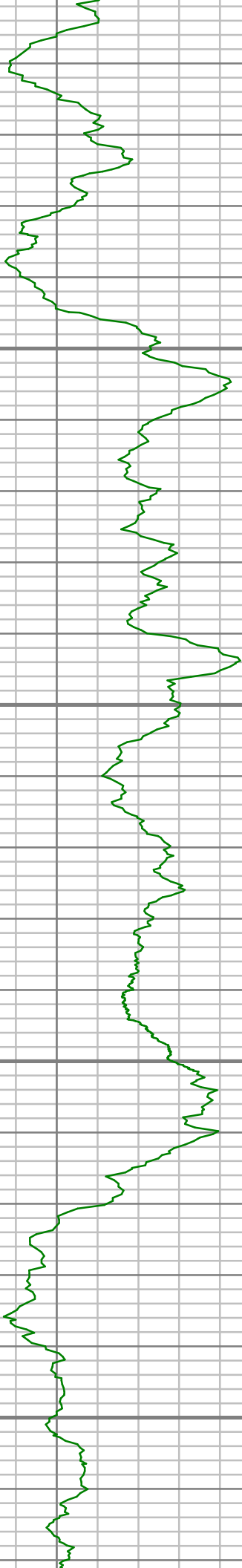
S: 84 MD: 10632.00 ft Inc:
88.92 deg Az: 178.18 deg TVD:
7066.09 ft

S: 85 MD: 10728.00 ft Inc:
90.37 deg Az: 178.65 deg TVD:
7066.68 ft



S: 86 MD: 10822.00 ft Inc:
91.14 deg Az: 179.43 deg TVD:
7065.44 ft

S: 87 MD: 10917.00 ft Inc:
91.61 deg Az: 179.15 deg TVD:
7063.16 ft

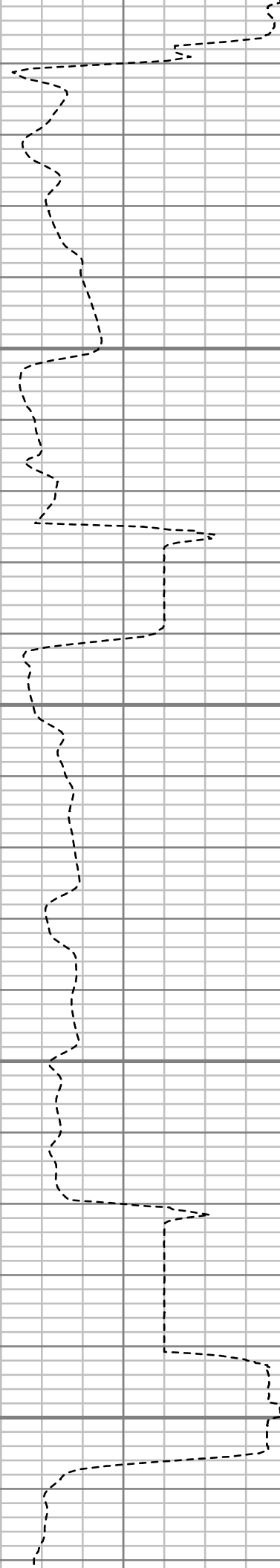


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11100

11150

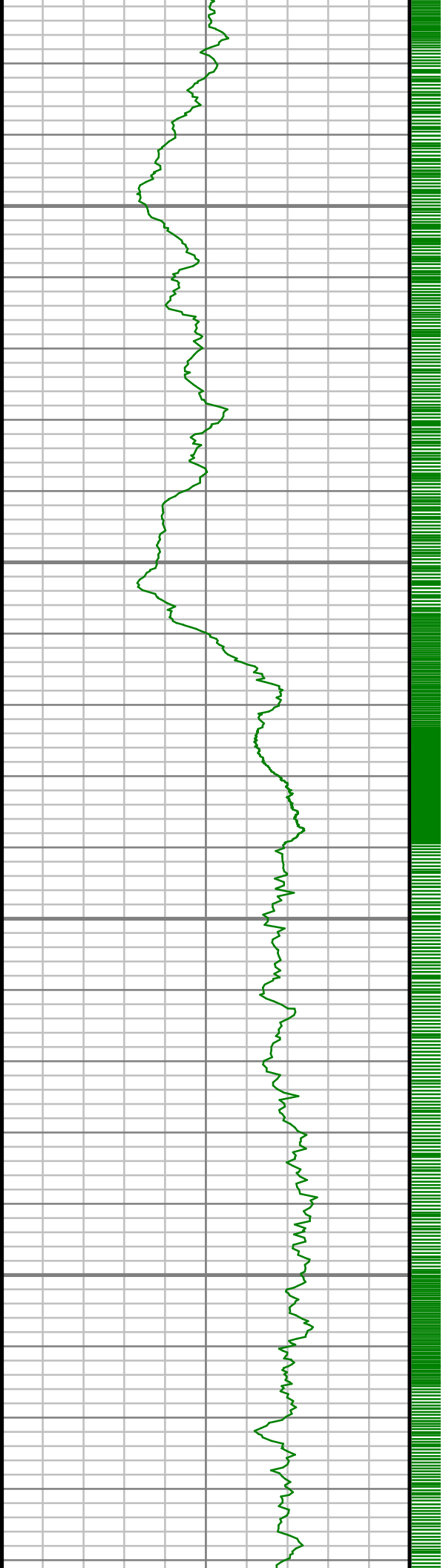
11200



S: 88 MD: 11012.00 ft Inc:
90.10 deg Az: 179.61 deg TVD:
7061.74 ft

S: 89 MD: 11107.00 ft Inc:
89.40 deg Az: 179.27 deg TVD:
7062.15 ft

S: 90 MD: 11201.00 ft Inc:
90.00 deg Az: 179.51 deg TVD:
7062.65 ft

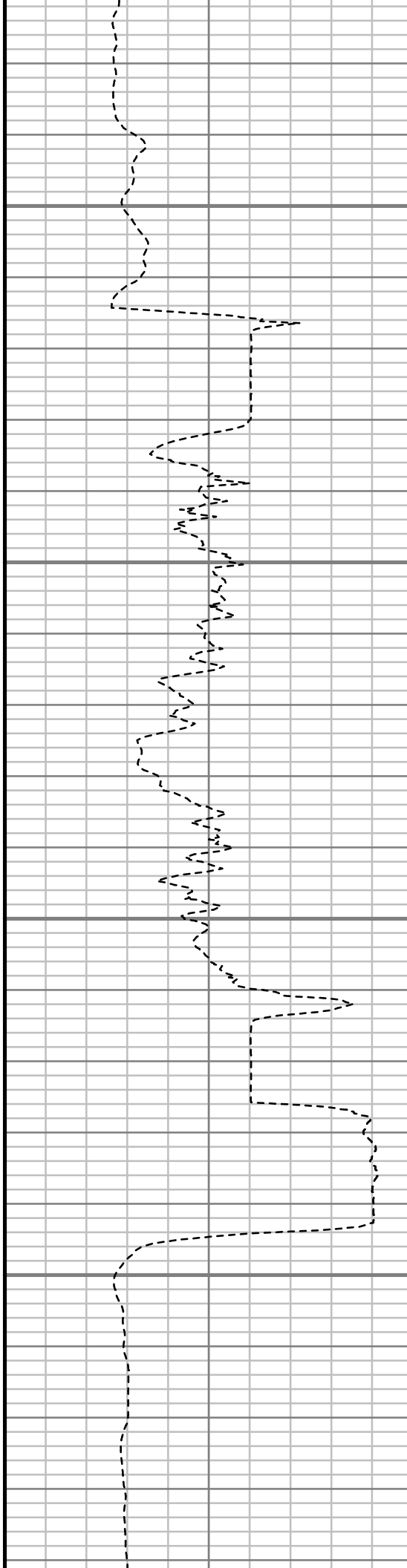


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11300

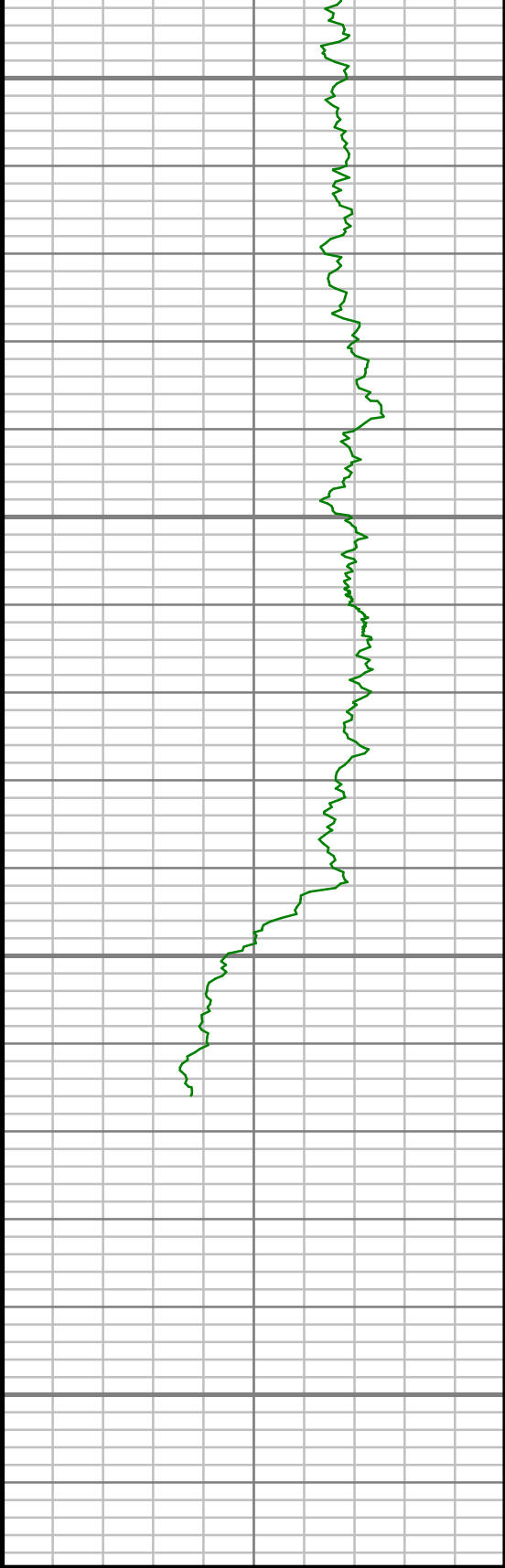
11350

11400



S: 91 MD: 11296.00 ft Inc:
89.60 deg Az: 179.89 deg TVD:
7062.98 ft

S: 92 MD: 11391.00 ft Inc:
91.27 deg Az: 181.01 deg TVD:
7062.26 ft



11450

11500

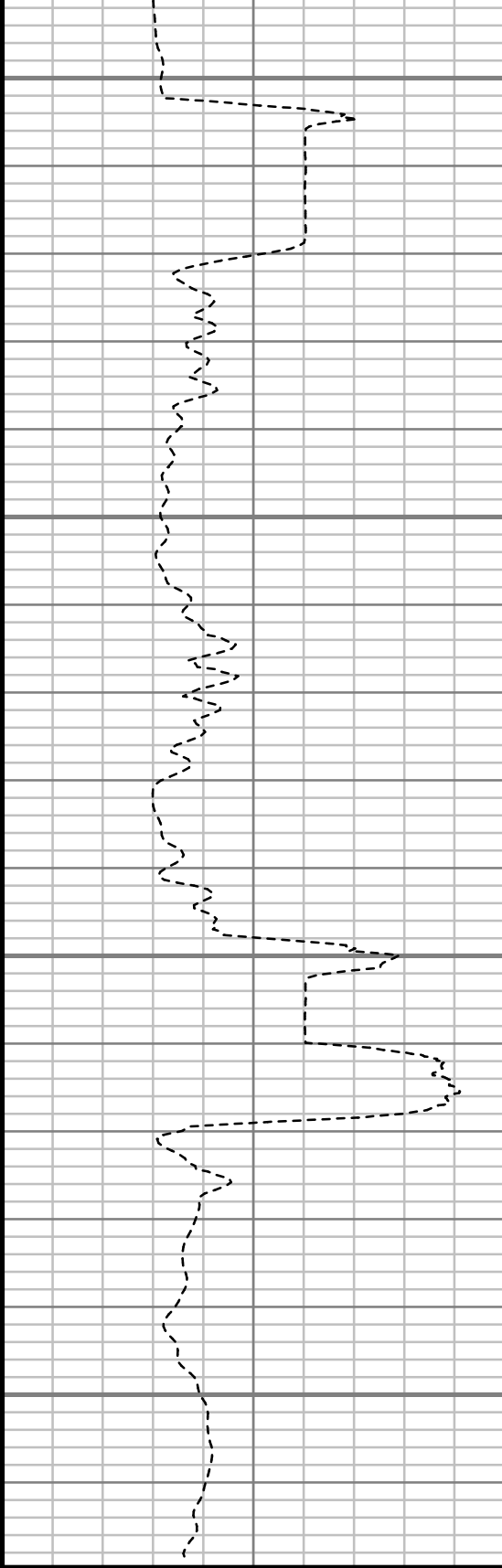
11550

11600

Gamma Ray (GR)

0 Unit = aapi 150

MEASURED DEPTH
1-240 (ft)



S: 93 MD: 11485.00 ft Inc:
92.12 deg Az: 180.44 deg TVD:
7059.48 ft

S: 94 MD: 11555.00 ft Inc:
91.71 deg Az: 180.17 deg TVD:
7057.14 ft

Rate of Penetration (ROP)

500 Unit = ft/hr 0

Comments

MWD Survey Report

Well Location	RUHL
Well Name	RUHL 1D-32H-B264
Survey Date	12/11/2014
Latitude	40°6'5.180"N
Longitude	104°34'25.079"W
Btotal	52503, 52514 nT
Dip	66.71 deg
Magnetic Declination	8.36, 8.37 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), 180.00Azim (deg)
Operator(s)	C. WILSON, D. PADULA, S. WAXLER, T. LE

Well Notes

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	Invalid
245.00	2.35	62.54	244.93	-2.32	2.32	4.46	5.03	62.54	245.00	0.96
336.00	3.34	57.09	335.82	-4.62	4.62	8.34	9.53	61.03	91.00	1.12
427.00	2.52	49.47	426.70	-7.36	7.36	12.08	14.15	58.67	91.00	0.99
519.00	2.14	46.49	518.62	-9.85	9.85	14.87	17.83	56.47	92.00	0.44
608.00	1.81	42.83	607.57	-12.03	12.03	17.03	20.85	54.76	89.00	0.39
698.00	1.65	62.20	697.53	-13.68	13.68	19.14	23.53	54.45	90.00	0.67
789.00	2.91	63.43	788.46	-15.32	15.32	22.37	27.11	55.59	91.00	1.39
879.00	4.03	50.76	878.29	-18.35	18.35	26.86	32.53	55.67	90.00	1.50
970.00	3.96	57.15	969.07	-22.07	22.07	31.98	38.86	55.39	91.00	0.49
1060.00	4.83	53.04	1058.80	-26.04	26.04	37.62	45.75	55.31	90.00	1.03
1152.00	6.24	53.08	1150.37	-31.37	31.37	44.71	54.62	54.95	92.00	1.52
1267.00	6.23	53.54	1264.69	-38.83	38.83	54.72	67.09	54.64	115.00	0.04
1450.00	10.93	61.07	1445.60	-53.13	53.13	77.90	94.29	55.71	183.00	2.64
1631.00	11.28	58.38	1623.21	-70.70	70.70	107.99	129.07	56.79	181.00	0.34
1812.00	11.00	56.34	1800.81	-89.55	89.55	137.42	164.03	56.91	181.00	0.27
1993.00	9.40	48.68	1978.95	-108.88	108.88	162.90	195.94	56.24	181.00	1.15
2173.00	9.83	58.22	2156.43	-126.69	126.69	187.01	225.88	55.88	180.00	0.92
2357.00	10.31	54.95	2337.60	-144.42	144.42	213.84	258.04	55.97	184.00	0.41

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
2540.00	9.51	53.12	2517.86	-162.90	162.90	239.34	289.52	55.76	183.00	0.47
2721.00	8.81	51.60	2696.55	-180.48	180.48	262.17	318.29	55.46	181.00	0.41
2902.00	9.21	59.10	2875.33	-196.53	196.53	285.46	346.57	55.45	181.00	0.69
3083.00	10.68	61.69	3053.60	-211.93	211.93	312.66	377.72	55.87	181.00	0.85
3266.00	9.69	61.98	3233.71	-227.21	227.21	341.20	409.93	56.34	183.00	0.54
3448.00	8.07	62.95	3413.53	-240.22	240.22	366.10	437.88	56.73	182.00	0.90
3628.00	7.62	60.25	3591.84	-251.88	251.88	387.71	462.35	56.99	180.00	0.32
3814.00	6.15	55.80	3776.50	-263.61	263.61	406.66	484.63	57.05	186.00	0.84
4003.00	3.06	55.96	3964.86	-272.13	272.13	419.23	499.80	57.01	189.00	1.64
4193.00	1.38	29.93	4154.72	-276.96	276.96	424.57	506.92	56.88	190.00	1.01
4382.00	0.72	44.63	4343.68	-279.79	279.79	426.55	510.13	56.74	189.00	0.37
4571.00	0.59	28.65	4532.67	-281.48	281.48	427.86	512.15	56.66	189.00	0.12
4761.00	1.48	81.69	4722.64	-282.69	282.69	430.76	515.24	56.72	190.00	0.64
4952.00	0.46	94.62	4913.61	-282.99	282.99	433.97	518.08	56.89	191.00	0.55
5141.00	1.45	348.40	5102.59	-285.27	285.27	434.24	519.56	56.70	189.00	0.86
5331.00	1.61	344.58	5292.52	-290.19	290.19	433.04	521.29	56.17	190.00	0.10
5521.00	0.86	171.58	5482.51	-291.37	291.37	432.54	521.52	56.04	190.00	1.30
5710.00	0.59	68.00	5671.50	-290.33	290.33	433.65	521.86	56.20	189.00	0.61

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
5900.00	1.24	205.45	5861.48	-288.83	288.83	433.66	521.05	56.34	190.00	0.91
6090.00	0.20	98.62	6051.47	-286.92	286.92	433.11	519.53	56.48	190.00	0.69
6279.00	0.81	26.79	6240.46	-288.06	288.06	434.05	520.94	56.43	189.00	0.41
6469.00	0.46	120.18	6430.45	-288.88	288.88	435.30	522.44	56.43	190.00	0.50
6564.00	12.37	167.44	6524.70	-278.72	278.72	437.85	519.04	57.52	95.00	12.70
6659.00	20.78	176.56	6615.68	-251.91	251.91	441.08	507.95	60.27	95.00	9.25
6753.00	28.64	177.47	6701.01	-212.70	212.70	443.08	491.49	64.36	94.00	8.37
6848.00	38.82	179.69	6779.91	-160.03	160.03	444.25	472.19	70.19	95.00	10.79
6943.00	49.36	180.22	6848.06	-94.03	94.03	444.27	454.11	78.05	95.00	11.10
7037.00	53.39	179.22	6906.73	-20.61	20.61	444.65	445.13	87.35	94.00	4.37
7132.00	62.30	179.80	6957.23	59.73	-59.73	445.31	449.30	97.64	95.00	9.40
7227.00	72.31	182.22	6993.84	147.24	-147.24	443.70	467.50	108.36	95.00	10.79
7322.00	80.59	182.40	7016.08	239.44	-239.44	439.99	500.92	118.56	95.00	8.71
7377.00	84.46	180.03	7023.24	293.95	-293.95	438.84	528.19	123.82	55.00	8.22
7514.00	89.13	178.89	7030.90	430.69	-430.69	440.13	615.79	134.38	137.00	3.51
7605.00	88.32	179.30	7032.93	521.65	-521.65	441.56	683.45	139.75	91.00	0.99
7697.00	89.70	179.50	7034.52	613.63	-613.63	442.52	756.55	144.20	92.00	1.51
7791.00	90.10	180.08	7034.68	707.63	-707.63	442.87	834.79	147.96	94.00	0.75

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
7886.00	89.26	180.31	7035.21	802.63	-802.63	442.55	916.55	151.13	95.00	0.92
7981.00	89.23	180.24	7036.47	897.62	-897.62	442.10	1000.58	153.78	95.00	0.08
8075.00	90.77	179.99	7036.47	991.61	-991.61	441.91	1085.63	155.98	94.00	1.66
8170.00	90.91	180.05	7035.08	1086.60	-1086.60	441.88	1173.02	157.87	95.00	0.16
8265.00	89.80	179.65	7034.49	1181.60	-1181.60	442.13	1261.61	159.49	95.00	1.24
8360.00	89.76	179.58	7034.86	1276.60	-1276.60	442.77	1351.20	160.87	95.00	0.08
8454.00	89.93	179.11	7035.10	1370.59	-1370.59	443.85	1440.67	162.06	94.00	0.54
8549.00	90.20	178.47	7034.99	1465.57	-1465.57	445.86	1531.89	163.08	95.00	0.73
8643.00	90.87	179.42	7034.11	1559.55	-1559.55	447.60	1622.51	163.99	94.00	1.24
8738.00	90.17	179.70	7033.25	1654.54	-1654.54	448.33	1714.21	164.84	95.00	0.80
8832.00	88.05	180.48	7034.71	1748.52	-1748.52	448.19	1805.05	165.62	94.00	2.40
8927.00	87.28	182.19	7038.58	1843.41	-1843.41	445.98	1896.59	166.40	95.00	1.97
9022.00	88.39	182.99	7042.17	1938.25	-1938.25	441.69	1987.94	167.16	95.00	1.44
9116.00	89.46	182.72	7043.93	2032.11	-2032.11	437.01	2078.57	167.86	94.00	1.18
9211.00	87.79	184.39	7046.21	2126.90	-2126.90	431.13	2170.15	168.54	95.00	2.49
9306.00	88.06	183.57	7049.66	2221.60	-2221.60	424.54	2261.80	169.18	95.00	0.90
9401.00	88.32	182.19	7052.66	2316.43	-2316.43	419.77	2354.16	169.73	95.00	1.48
9495.00	88.15	181.62	7055.55	2410.34	-2410.34	416.65	2446.08	170.19	94.00	0.63

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
9590.00	89.50	180.91	7057.50	2505.29	-2505.29	414.55	2539.36	170.60	95.00	1.60
9685.00	88.96	181.90	7058.78	2600.25	-2600.25	412.23	2632.72	170.99	95.00	1.18
9780.00	90.34	180.73	7059.37	2695.22	-2695.22	410.05	2726.24	171.35	95.00	1.90
9874.00	90.03	180.05	7059.06	2789.22	-2789.22	409.42	2819.11	171.65	94.00	0.79
9969.00	88.93	178.15	7059.93	2884.20	-2884.20	410.91	2913.32	171.89	95.00	2.31
10064.00	89.77	178.92	7061.01	2979.16	-2979.16	413.34	3007.70	172.10	95.00	1.19
10159.00	90.03	179.01	7061.18	3074.14	-3074.14	415.06	3102.04	172.31	95.00	0.30
10254.00	89.46	178.60	7061.59	3169.12	-3169.12	417.04	3196.44	172.50	95.00	0.74
10348.00	88.52	178.65	7063.25	3263.08	-3263.08	419.30	3289.91	172.68	94.00	1.01
10443.00	89.03	179.60	7065.28	3358.04	-3358.04	420.75	3384.30	172.86	95.00	1.13
10538.00	90.54	179.45	7065.65	3453.04	-3453.04	421.54	3478.67	173.04	95.00	1.60
10632.00	88.92	178.18	7066.09	3547.01	-3547.01	423.48	3572.20	173.19	94.00	2.18
10728.00	90.37	178.65	7066.68	3642.97	-3642.97	426.14	3667.81	173.33	96.00	1.58
10822.00	91.14	179.43	7065.44	3736.95	-3736.95	427.71	3761.34	173.47	94.00	1.17
10917.00	91.61	179.15	7063.16	3831.91	-3831.91	428.88	3855.84	173.61	95.00	0.58
11012.00	90.10	179.61	7061.74	3926.89	-3926.89	429.91	3950.35	173.75	95.00	1.66
11107.00	89.40	179.27	7062.15	4021.89	-4021.89	430.84	4044.90	173.89	95.00	0.82
11201.00	90.00	179.51	7062.65	4115.88	-4115.88	431.84	4138.47	174.01	94.00	0.69

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	Closure Distance	Closure Direction	Course Length	DLS
ft	deg	deg	ft	ft	ft	ft	ft	deg	ft	°/100ft
11296.00	89.60	179.89	7062.98	4210.88	-4210.88	432.33	4233.01	174.14	95.00	0.59
11391.00	91.27	181.01	7062.26	4305.87	-4305.87	431.59	4327.44	174.28	95.00	2.12
11485.00	92.12	180.44	7059.48	4399.82	-4399.82	430.40	4420.82	174.41	94.00	1.08
11555.00	91.71	180.17	7057.14	4469.78	-4469.78	430.02	4490.41	174.50	70.00	0.69

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

5" = 100' FEET MD