



GAMMA RAY

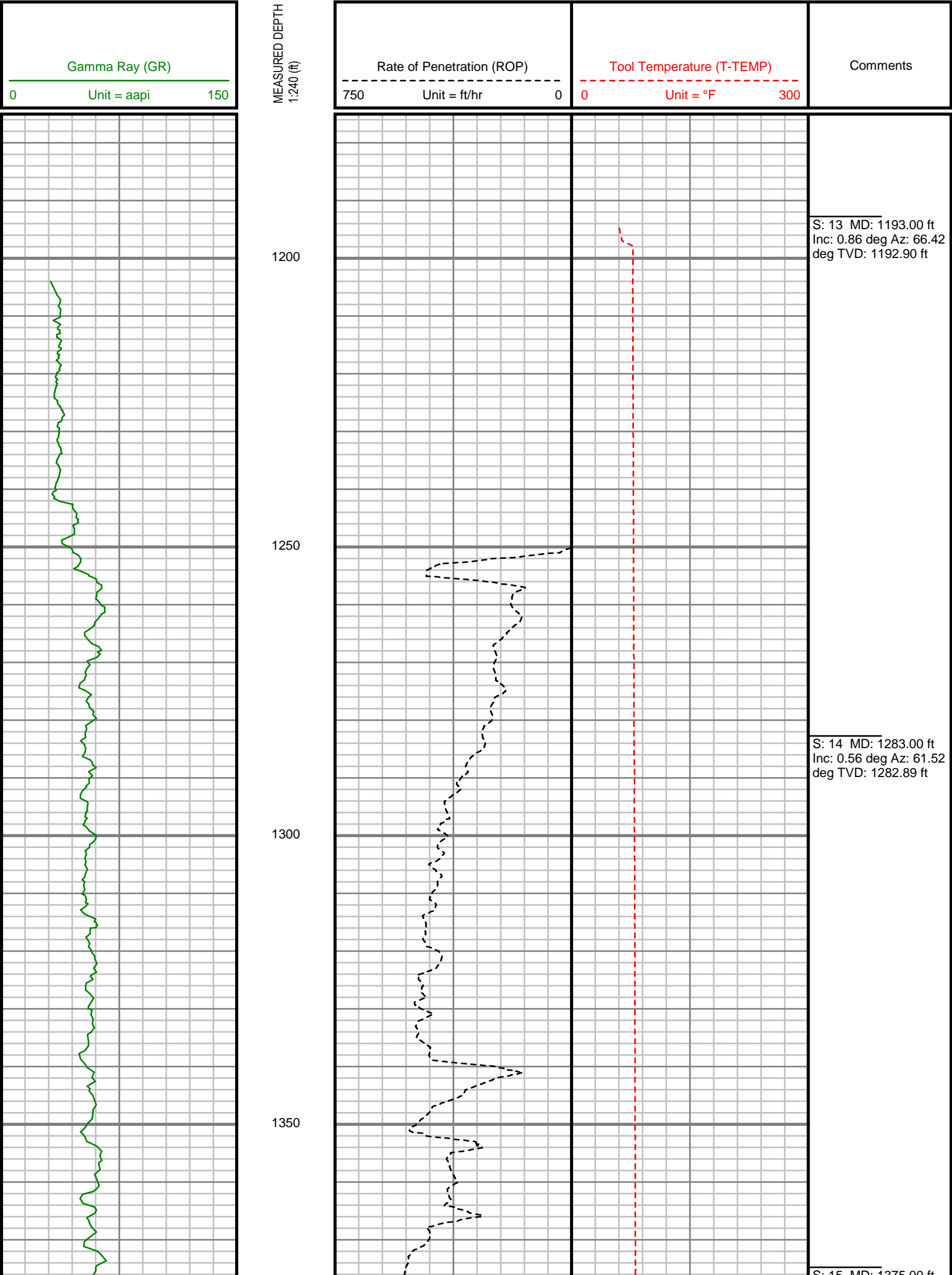
5" = 100' FEET MD

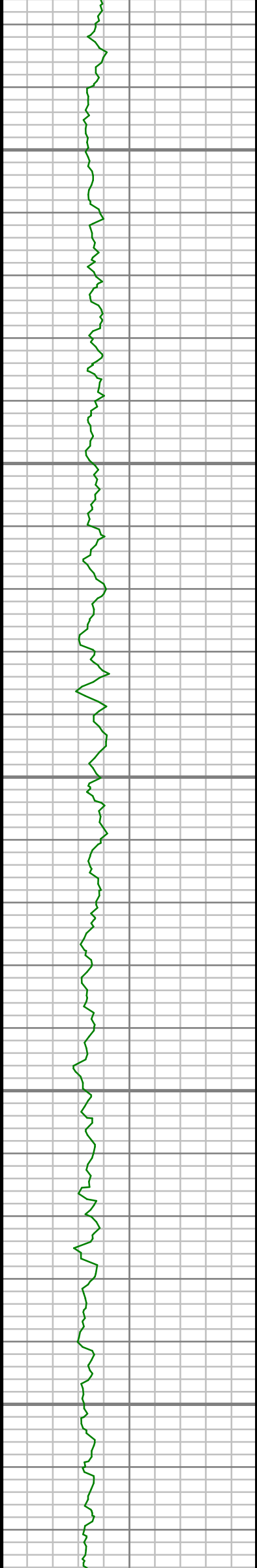
COMPANY : ANADARKO PETROLEUM CORP. WELL : NRC 2N-8HZ FIELD : WATTENBURG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-39095										COMPANY : ANADARKO PETROLEUM CORP. WELL : NRC 2N-8HZ FIELD : WATTENBURG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-39095																			
DEPTH REF. : RKB REF. HEIGHT : 25,000 ft GROUND LEVEL : 5063.000 ft										WELL LOCATION LAT:40°3'33.376"N LONG:104°54'41.231"W N:1264984.46 ft E:3164739.04 ft SEC:8 TWP:1N RANGE:67W										OTHER SERVICES DIRECTIONAL ROP									
G.L. to MEAN SEA LEVEL																													
BOREHOLE RECORD										DEVIATION RECORD																			
HOLE SIZE		in	FROM		ft	TO		ft	INCLINATION		deg	FROM		ft	TO		ft												
12.25			0			1251			0-10			0			6951														
8.75			1251			7978			10-90			6951			7978														
6.125			7978			12701			90-92			7978			12701														
CASING RECORD																													
CASING SIZE		in	FROM		ft	TO		ft																					
9.625			0			1251																							
7			0			7978																							
									</																				



All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.

ANADARKO PETROLEUM CORP.  
NRC 2N-8HZ  
WATTENBERG FIELD  
WELD COUNTY, COLORADO  
05-123-39095





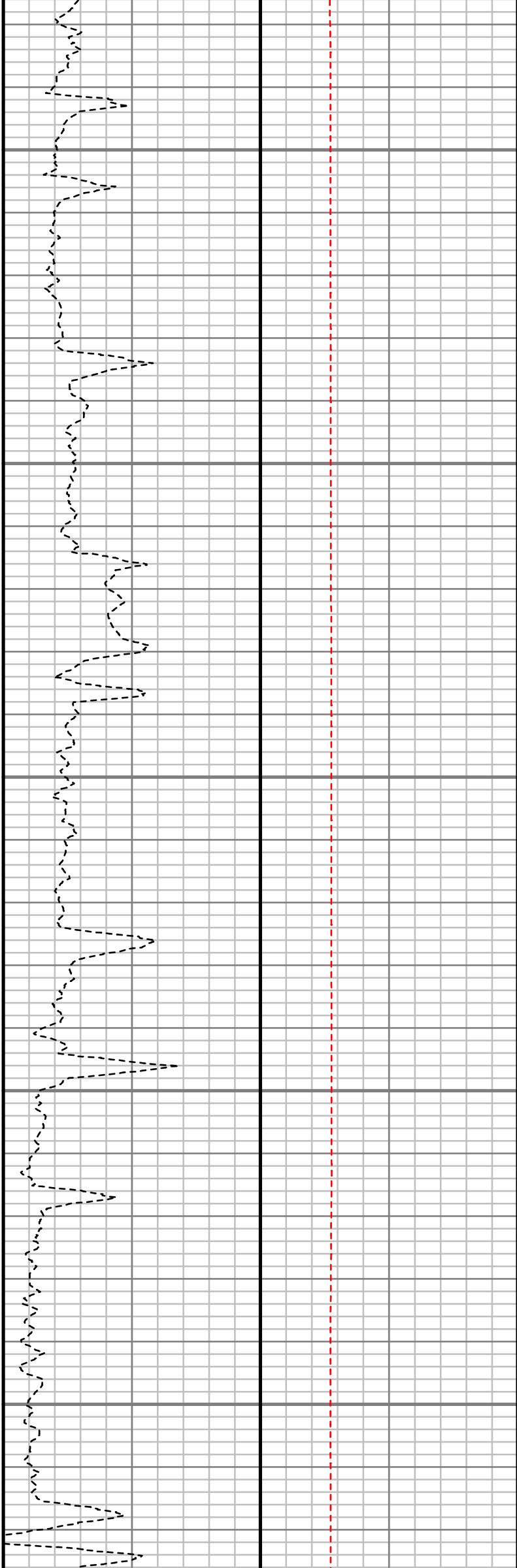
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1450

1500

1550

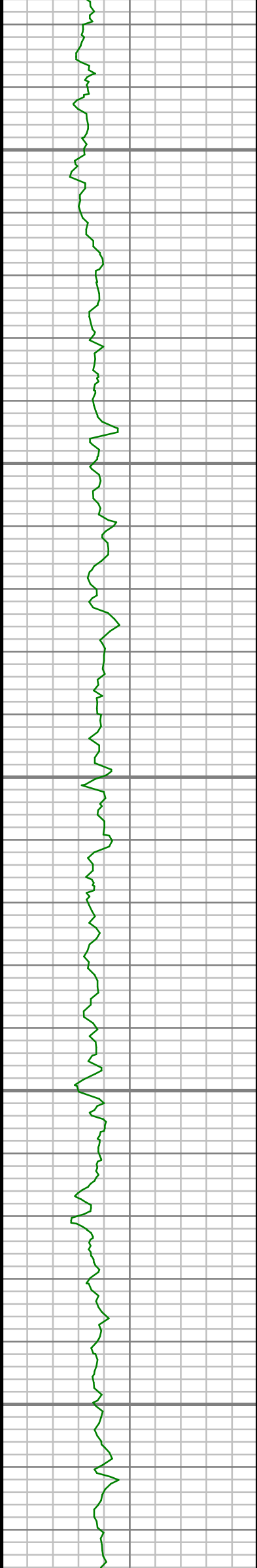
1600



S: 15 MD: 1373.00 ft  
Inc: 2.26 deg Az:  
216.20 deg TVD:  
1374.87 ft

S: 16 MD: 1467.00 ft  
Inc: 3.68 deg Az:  
208.76 deg TVD:  
1466.75 ft

S: 17 MD: 1573.00 ft  
Inc: 4.94 deg Az:  
203.74 deg TVD:  
1572.44 ft



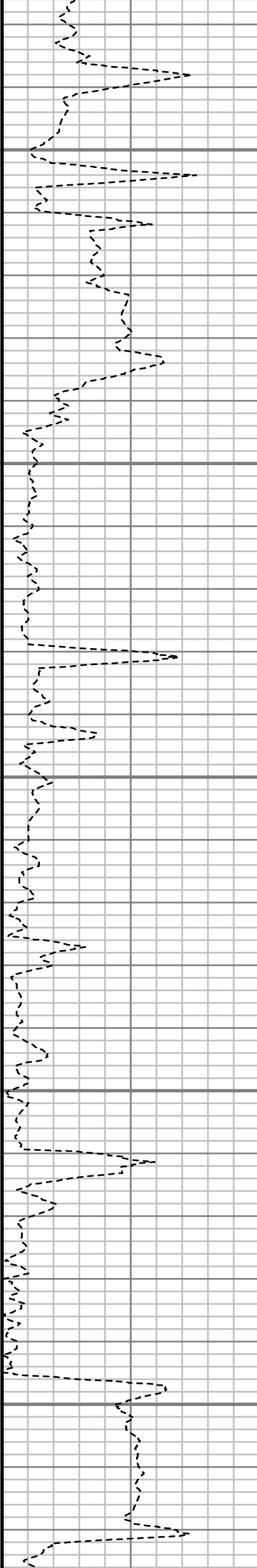
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1700

1750

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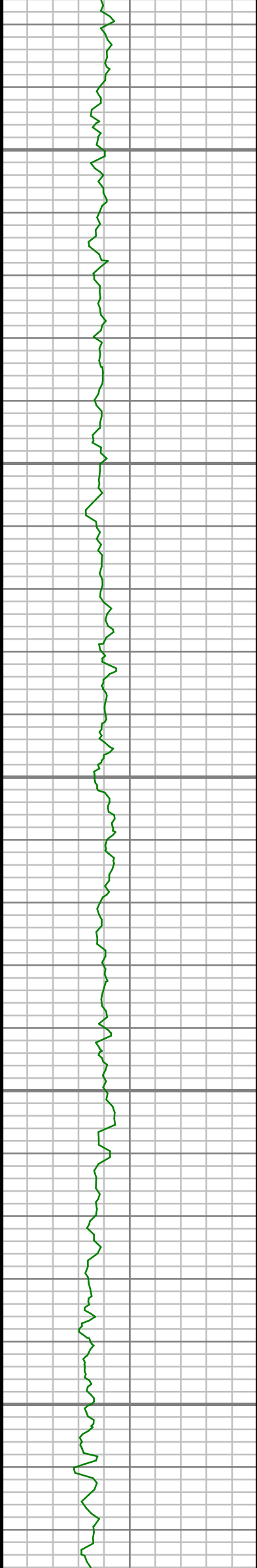
1850



S: 18 MD: 1665.00 ft  
Inc: 7.03 deg Az:  
191.26 deg TVD:  
1663.94 ft

S: 19 MD: 1757.00 ft  
Inc: 7.49 deg Az:  
184.63 deg TVD:  
1755.21 ft

S: 20 MD: 1848.00 ft  
Inc: 8.03 deg Az:  
177.37 deg TVD:  
1845.38 ft



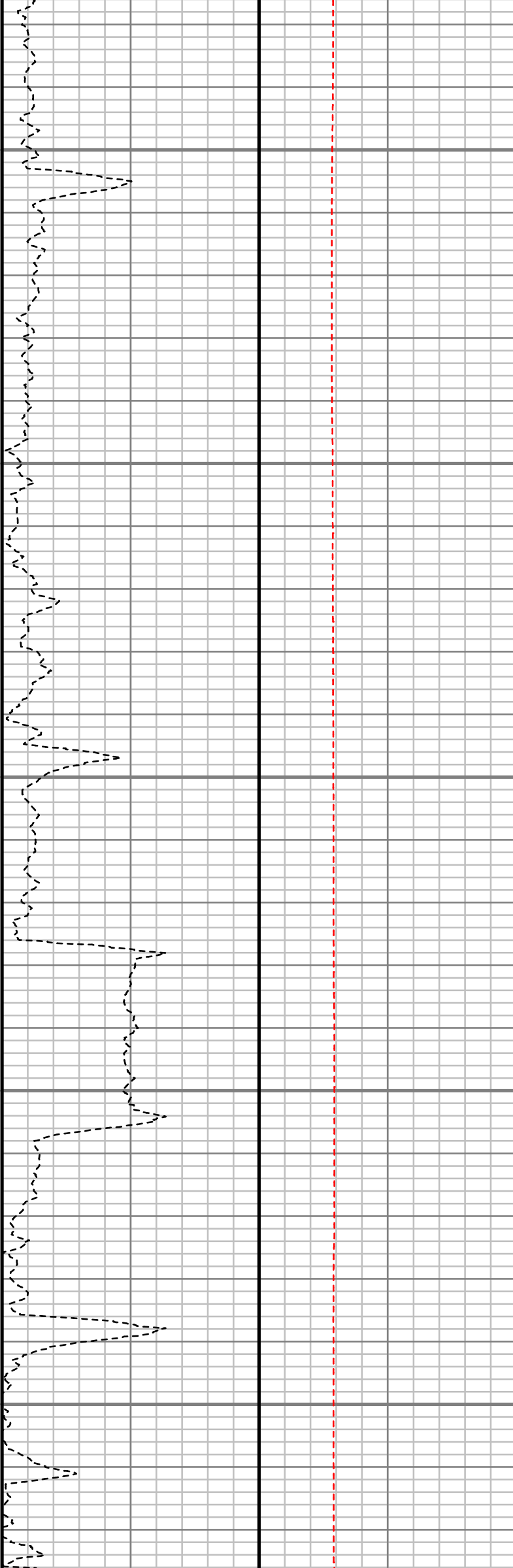
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1950

2000

2050

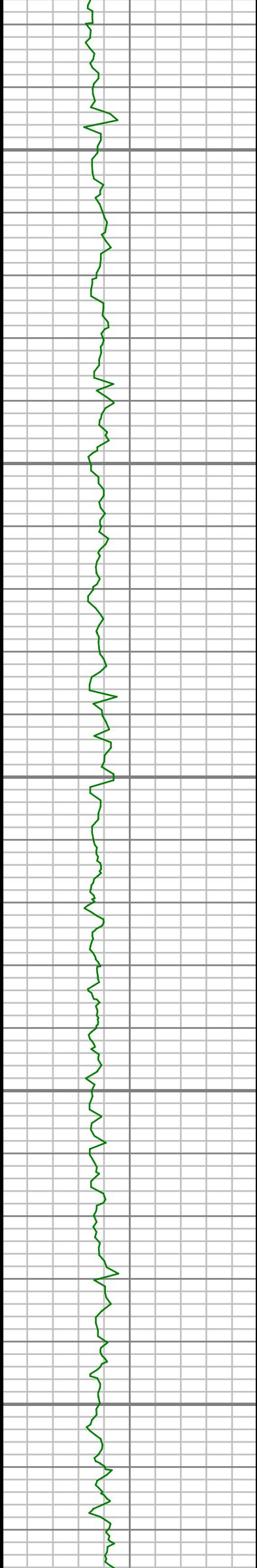
2100



S: 21 MD: 1940.00 ft  
Inc: 8.77 deg Az:  
171.79 deg TVD:  
1936.39 ft

S: 22 MD: 2032.00 ft  
Inc: 9.46 deg Az:  
171.56 deg TVD:  
2027.23 ft

S: 23 MD: 2124.00 ft



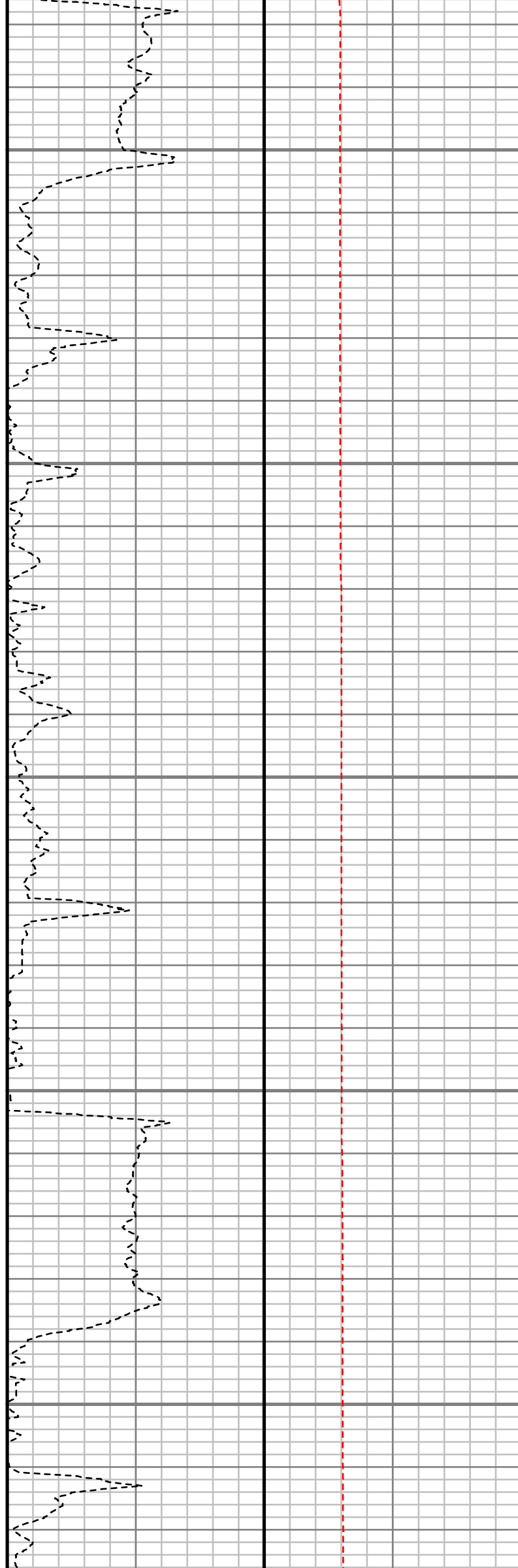
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2250

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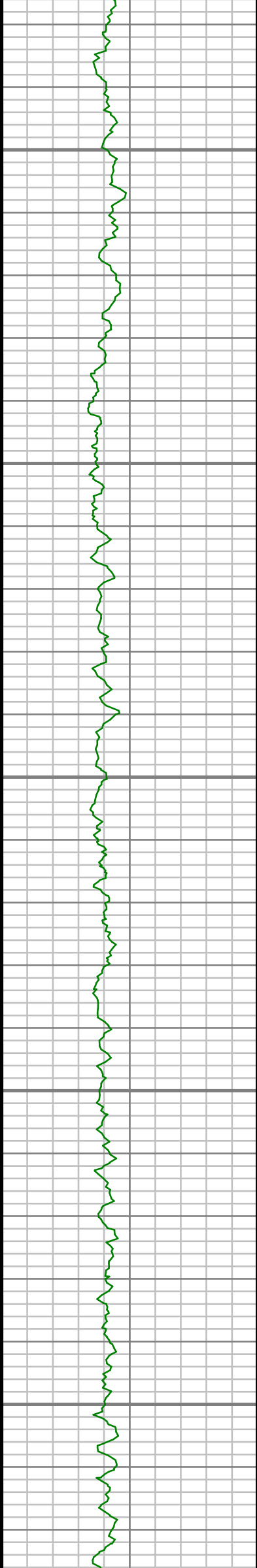
2350



Inc: 11.35 deg Az:  
178.92 deg TVD:  
2117.71 ft

S: 24 MD: 2215.00 ft  
Inc: 11.97 deg Az:  
185.74 deg TVD:  
2206.84 ft

S: 25 MD: 2307.00 ft  
Inc: 11.52 deg Az:  
178.68 deg TVD:  
2296.92 ft



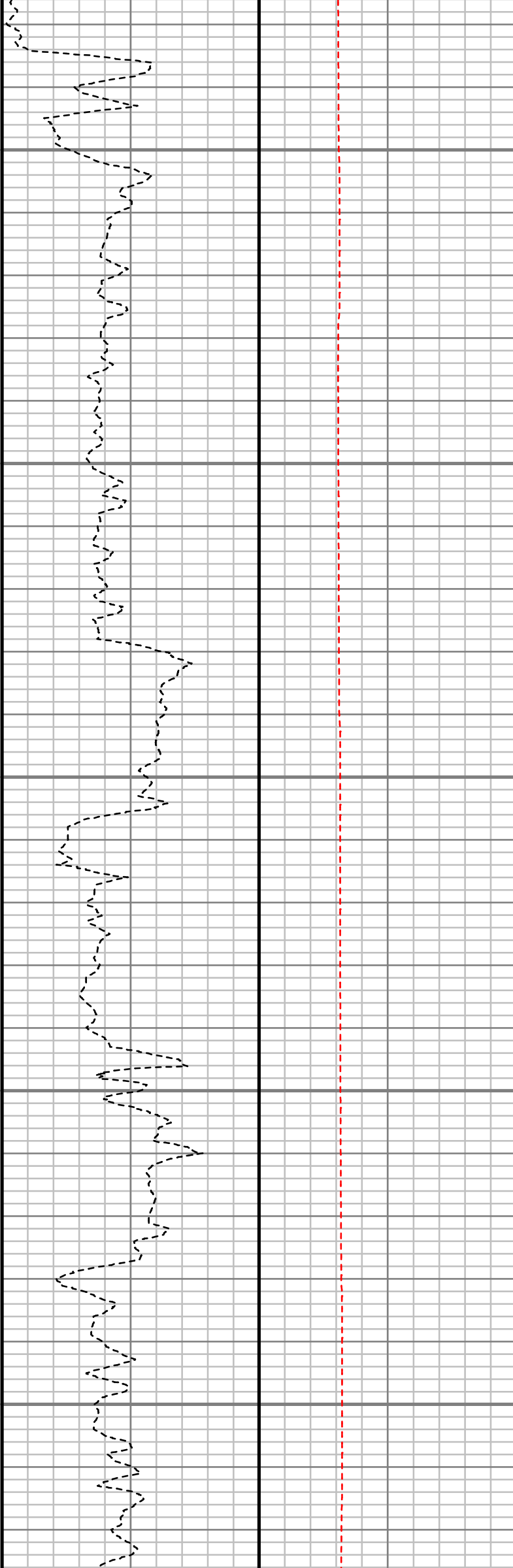
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2550

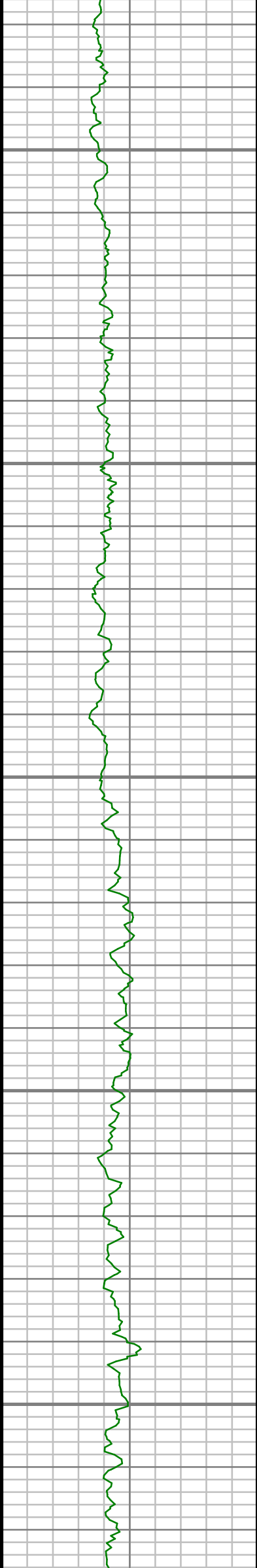
2600



S: 26 MD: 2397.00 ft  
Inc: 12.22 deg Az:  
174.43 deg TVD:  
2384.99 ft

S: 27 MD: 2488.00 ft  
Inc: 12.88 deg Az:  
178.39 deg TVD:  
2473.82 ft





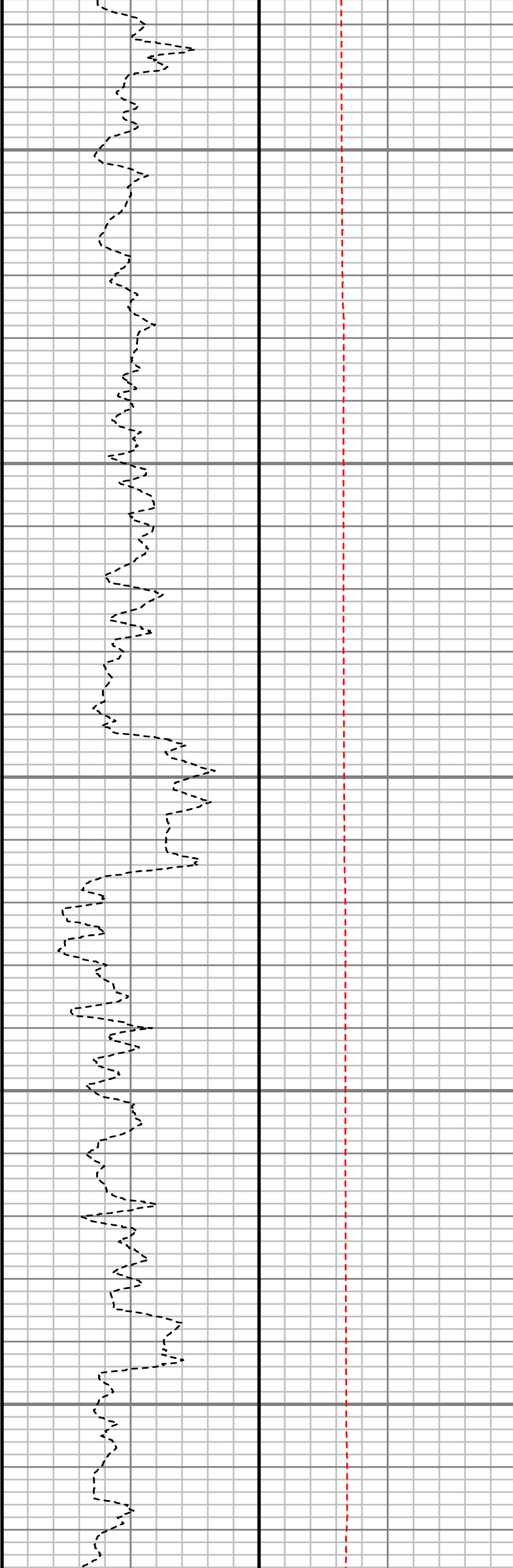
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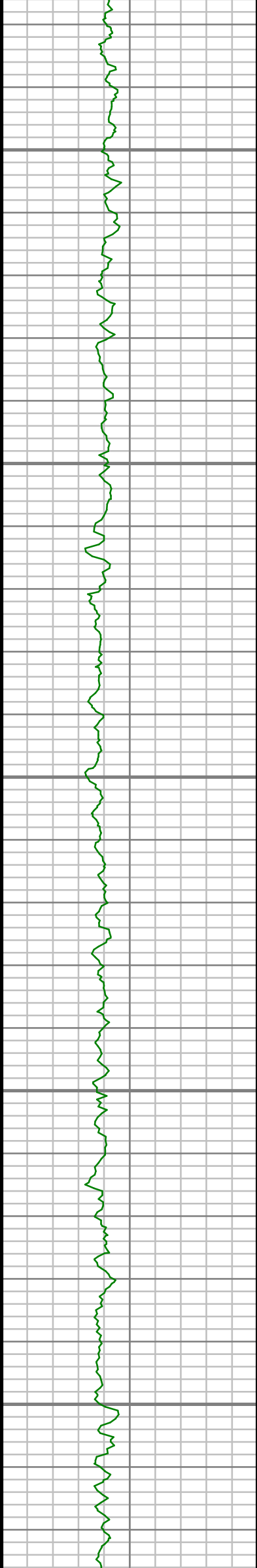
2800

2850



S: 28 MD: 2671.00 ft  
Inc: 12.86 deg Az:  
182.30 deg TVD:  
2652.22 ft

S: 29 MD: 2762.00 ft  
Inc: 13.06 deg Az:  
181.55 deg TVD:  
2740.91 ft



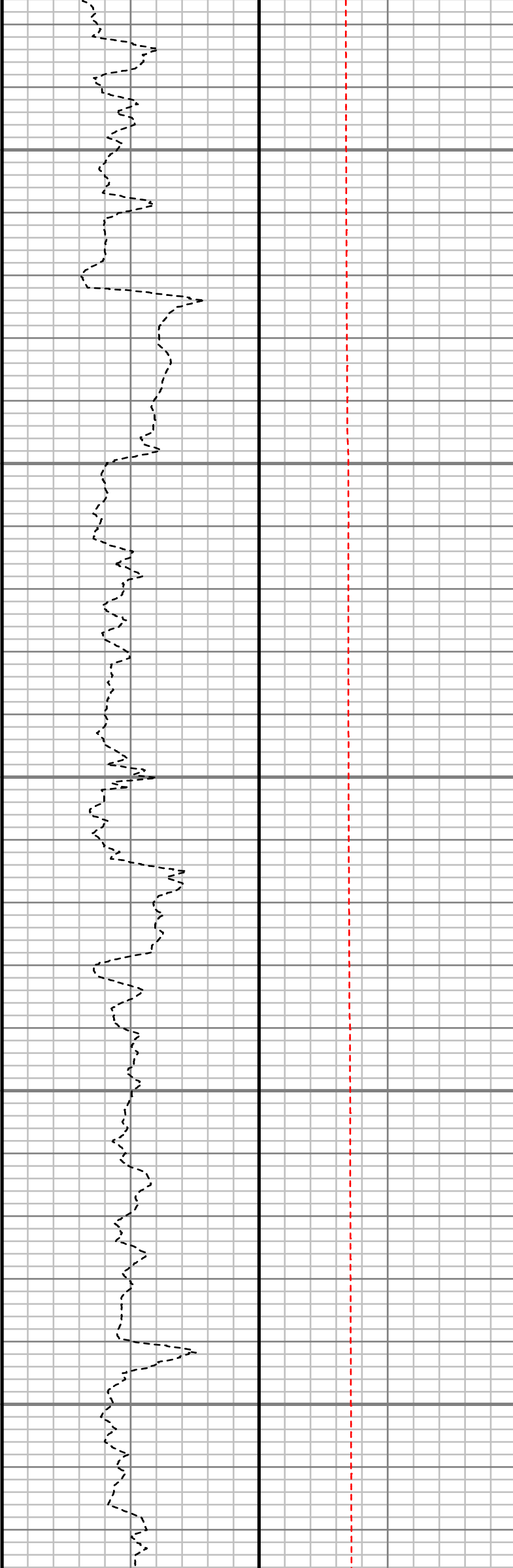
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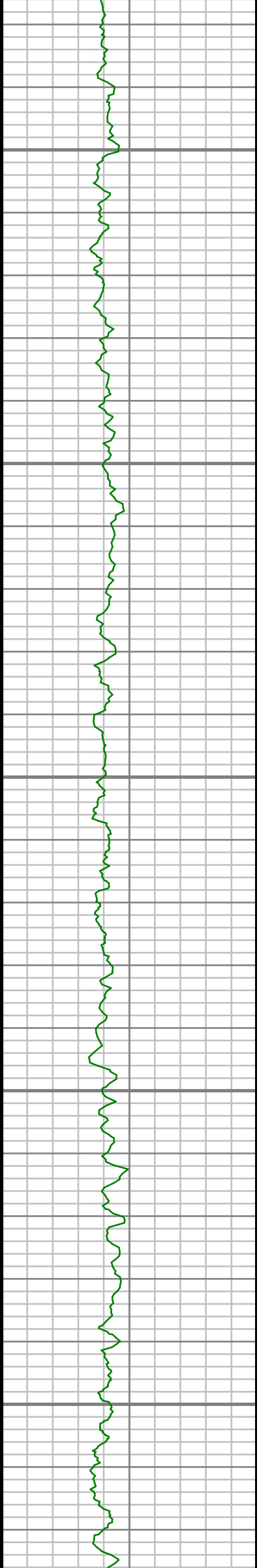
3050

3100



S: 30 MD: 2945.00 ft  
Inc: 11.90 deg Az:  
186.69 deg TVD:  
2919.59 ft

S: 31 MD: 3037.00 ft  
Inc: 13.13 deg Az:  
188.69 deg TVD:  
3009.40 ft



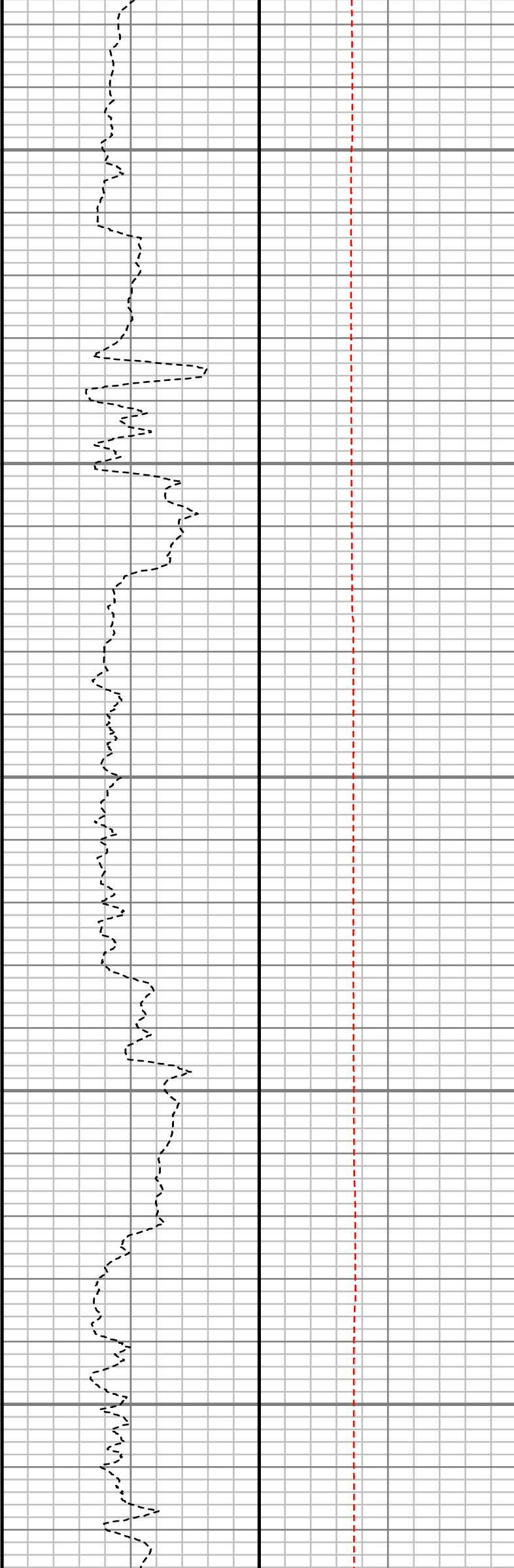
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3300

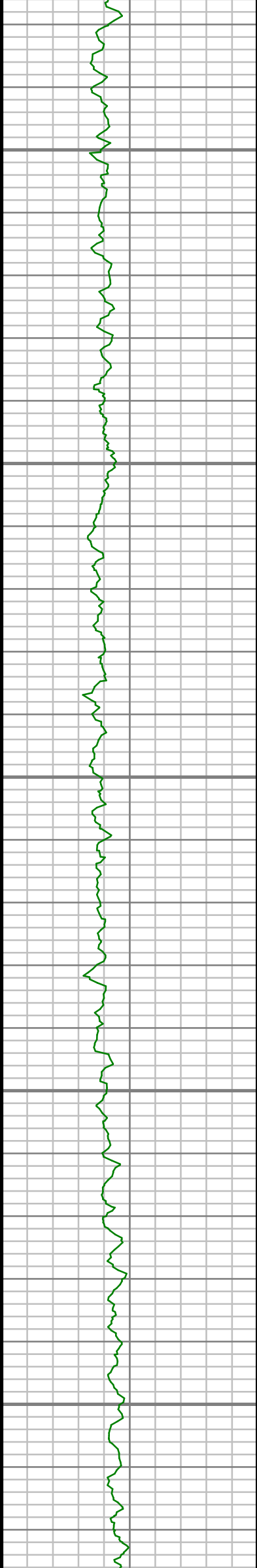
3350



S: 32 MD: 3128.00 ft  
Inc: 11.19 deg Az:  
186.05 deg TVD:  
3098.35 ft

S: 33 MD: 3220.00 ft  
Inc: 11.26 deg Az:  
189.99 deg TVD:  
3188.60 ft

S: 34 MD: 3312.00 ft  
Inc: 12.69 deg Az:  
187.01 deg TVD:  
3278.59 ft



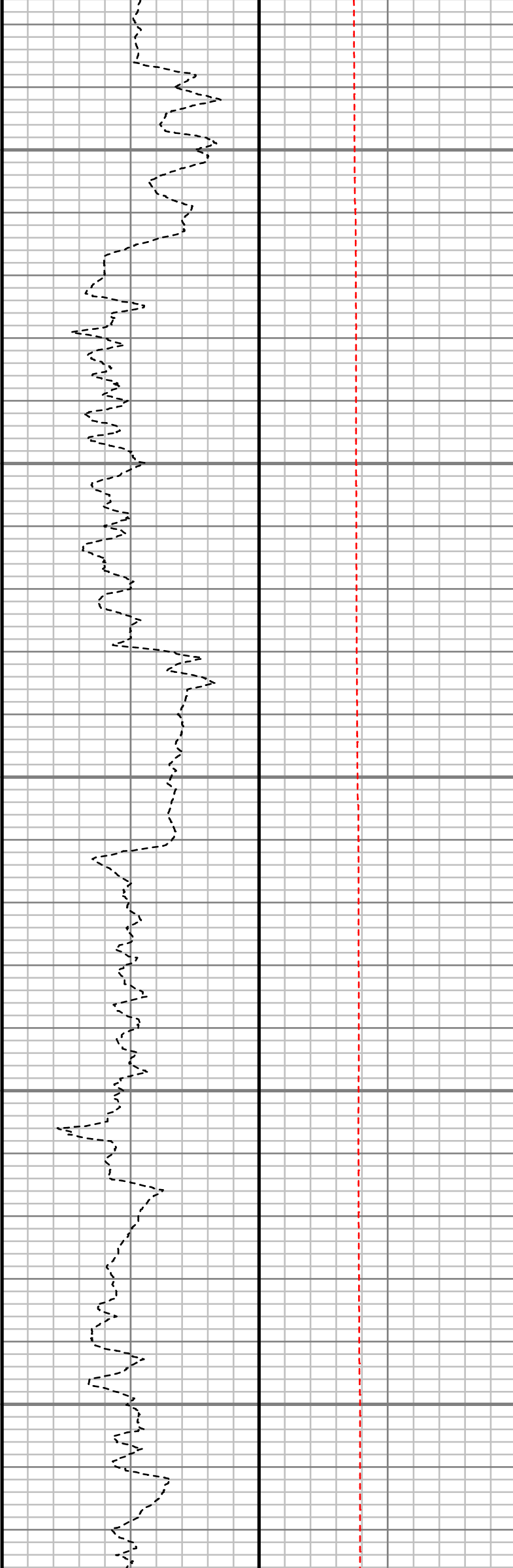
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3450

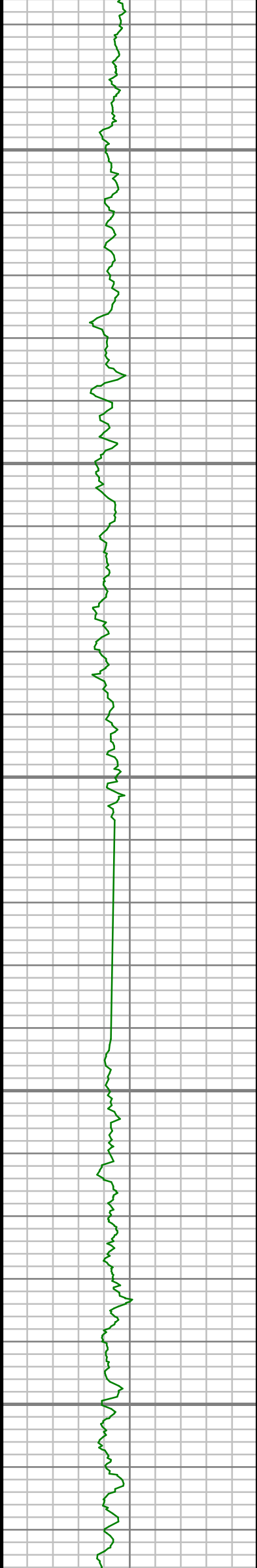
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3550

3600



S: 35 MD: 3406.00 ft  
Inc: 11.24 deg Az:  
188.32 deg TVD:  
3370.55 ft



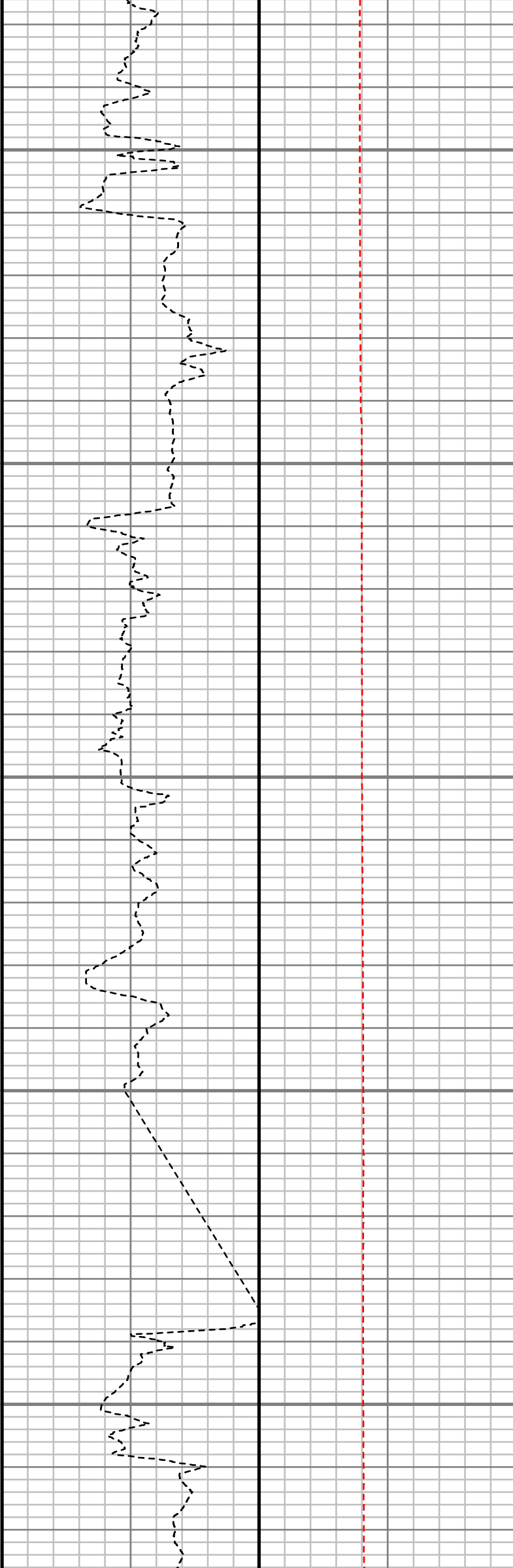
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3700

3750

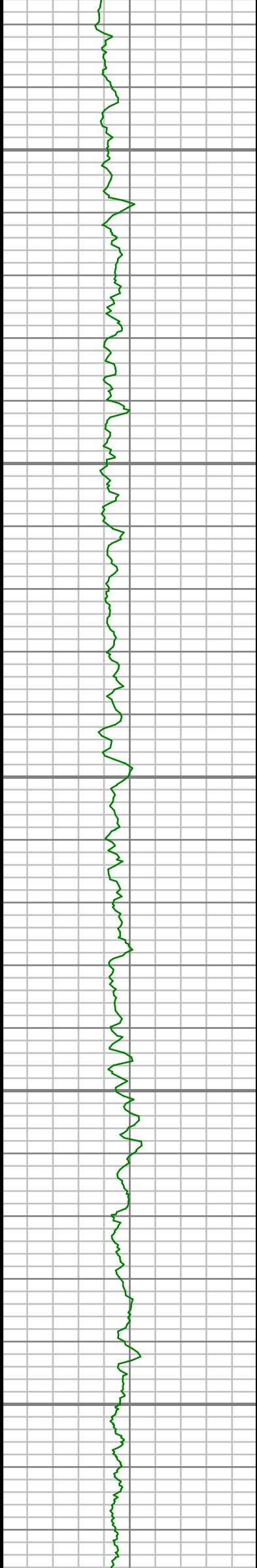
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3850



S: 36 MD: 3689.00 ft  
Inc: 12.29 deg Az:  
187.18 deg TVD:  
3647.60 ft

S: 37 MD: 3784.00 ft  
Inc: 11.51 deg Az:  
185.85 deg TVD:  
3740.56 ft



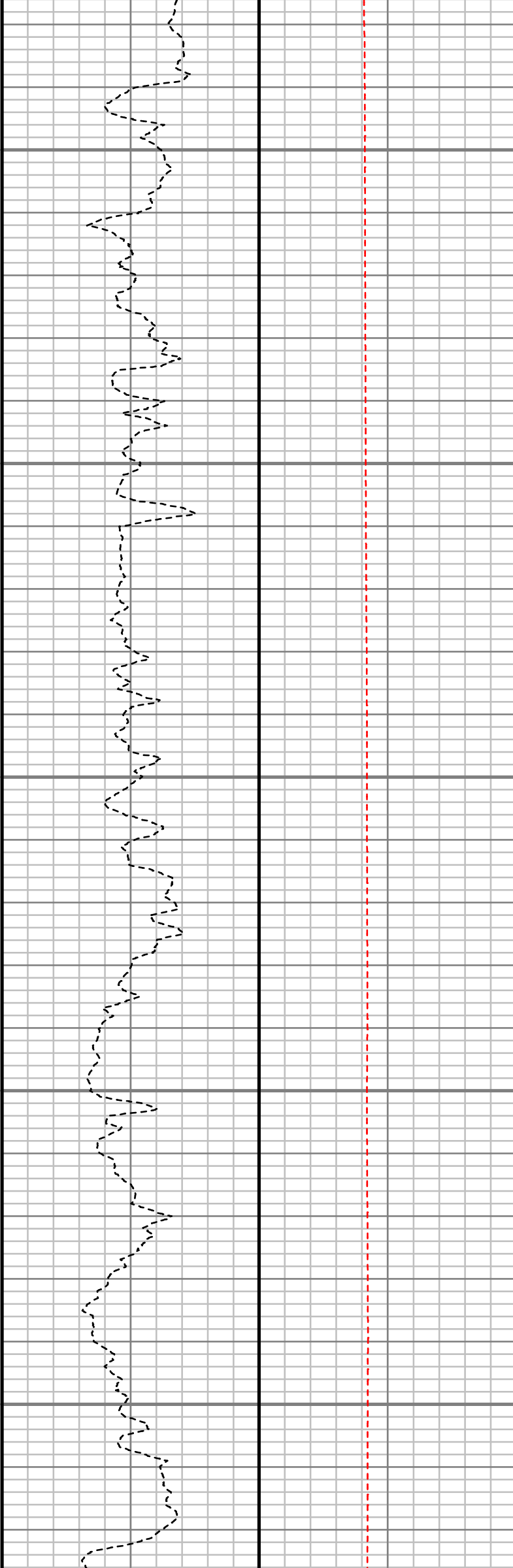
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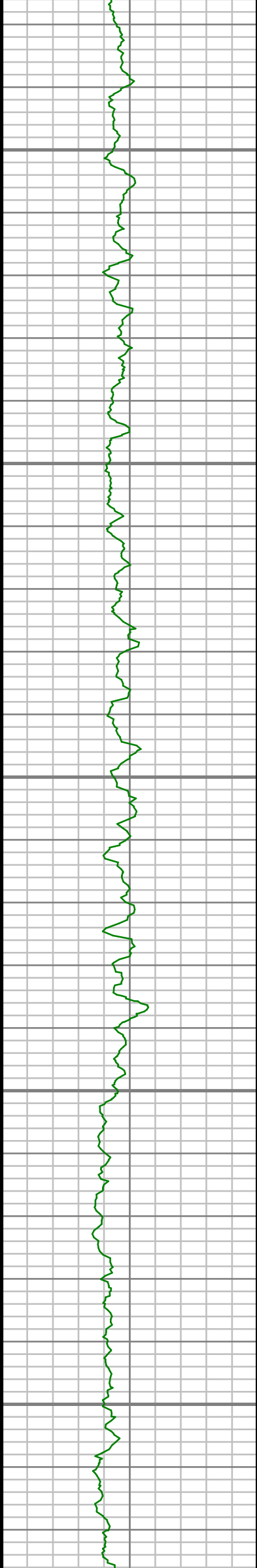
4050

4100



S: 38 MD: 3972.00 ft  
Inc: 11.95 deg Az:  
184.26 deg TVD:  
3924.63 ft

S: 39 MD: 4067.00 ft  
Inc: 8.86 deg Az:  
179.18 deg TVD:  
4018.06 ft



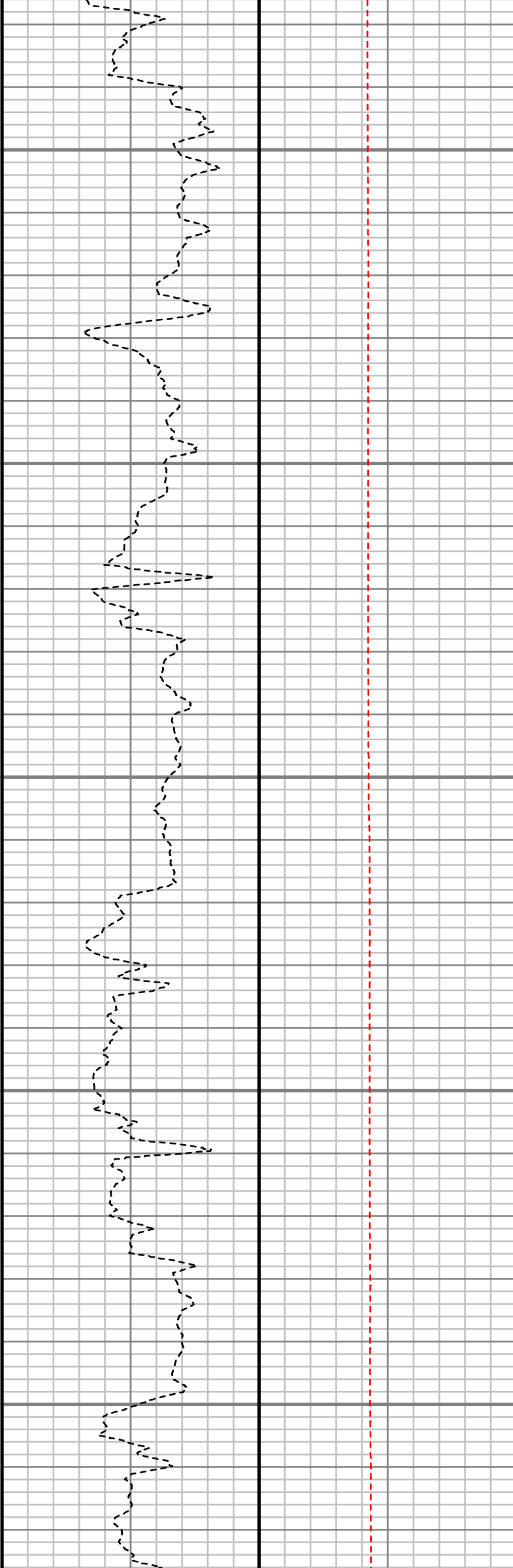
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4200

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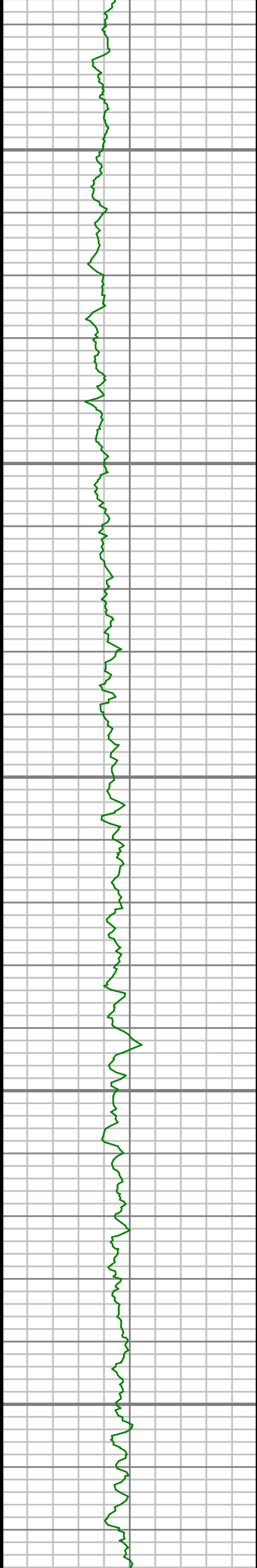
4300

4350



S: 40 MD: 4255.00 ft  
Inc: 10.37 deg Az:  
177.00 deg TVD:  
4203.41 ft

S: 41 MD: 4350.00 ft  
Inc: 11.71 deg Az:  
184.33 deg TVD:  
4296.66 ft



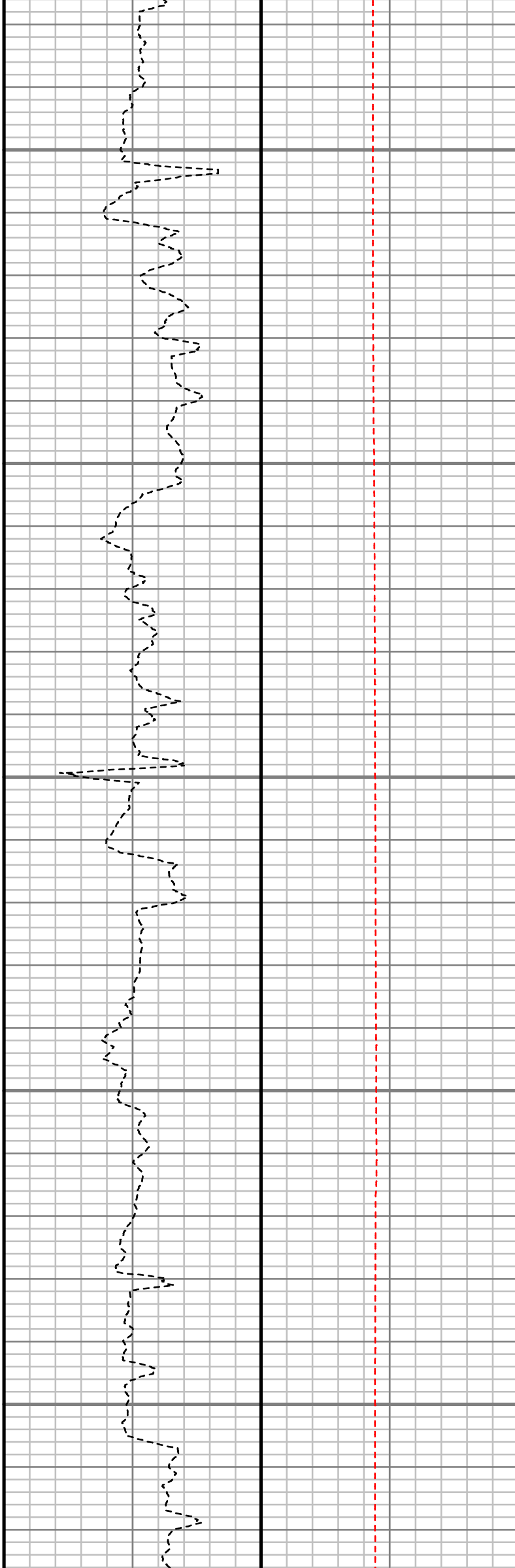
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4500

4550

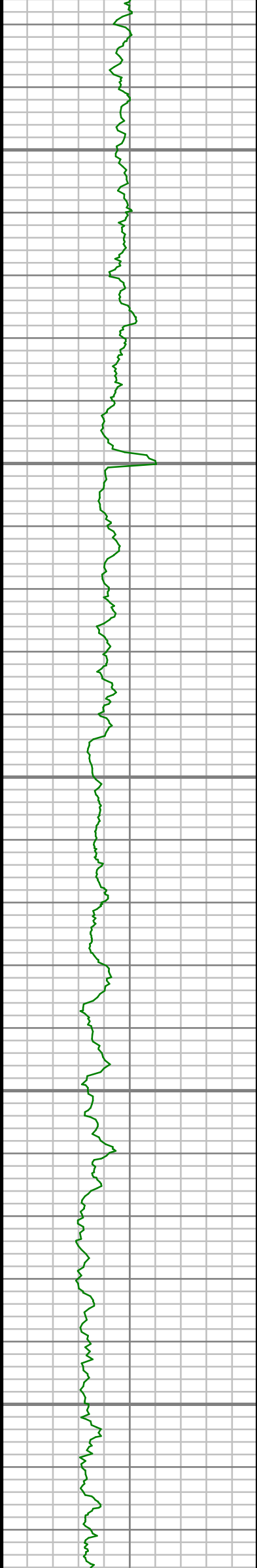
4600



S: 42 MD: 4444.00 ft  
Inc: 13.02 deg Az:  
183.03 deg TVD:  
4388.47 ft

S: 43 MD: 4539.00 ft  
Inc: 11.22 deg Az:  
185.72 deg TVD:  
4481.35 ft





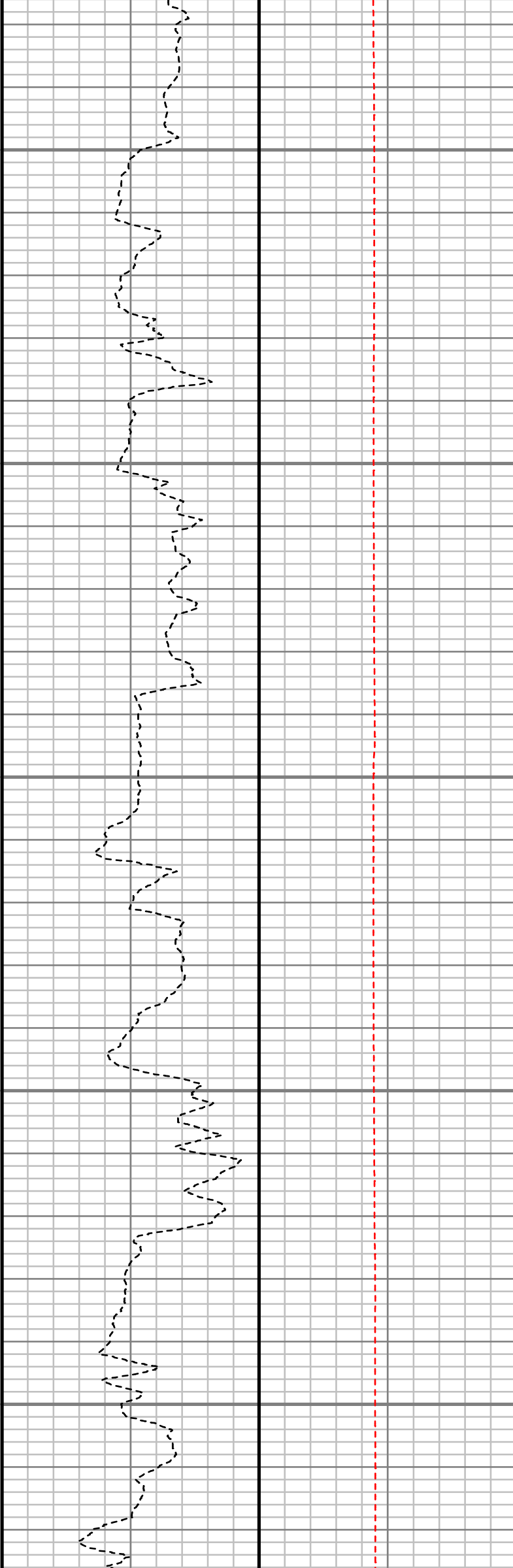
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4700

4750

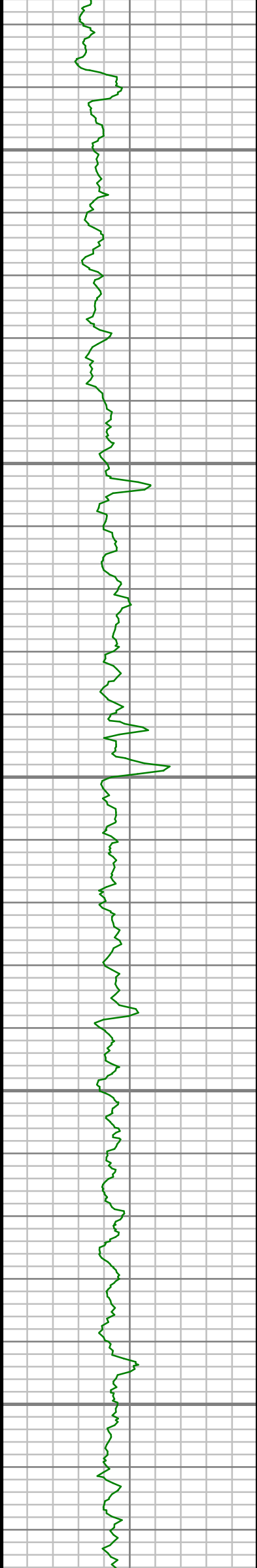
4800

4850



S: 44 MD: 4727.00 ft  
Inc: 11.72 deg Az:  
182.83 deg TVD:  
4665.60 ft

S: 45 MD: 4821.00 ft  
Inc: 9.97 deg Az:  
180.57 deg TVD:  
4757.92 ft



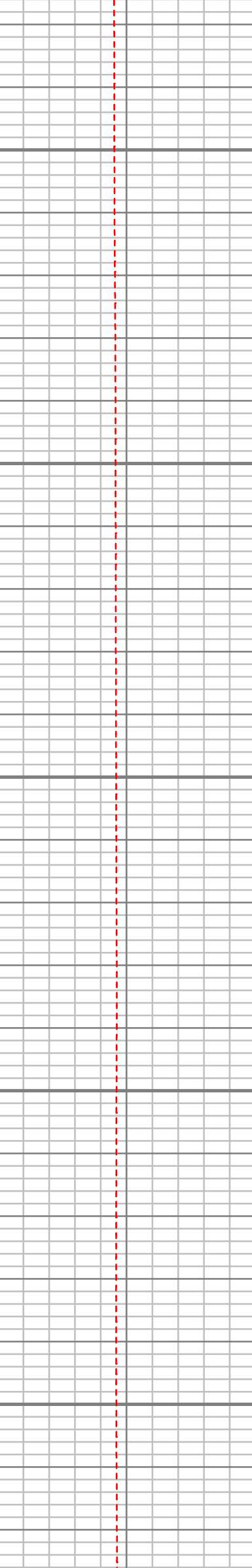
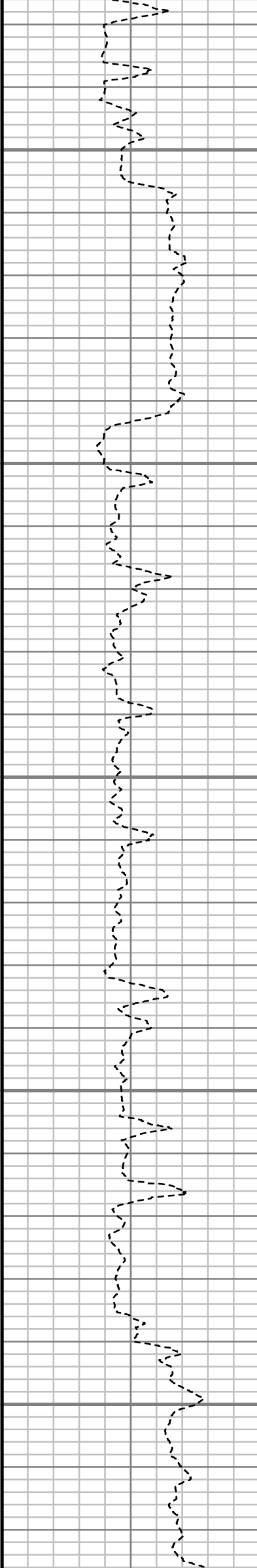
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4950

5000

5050

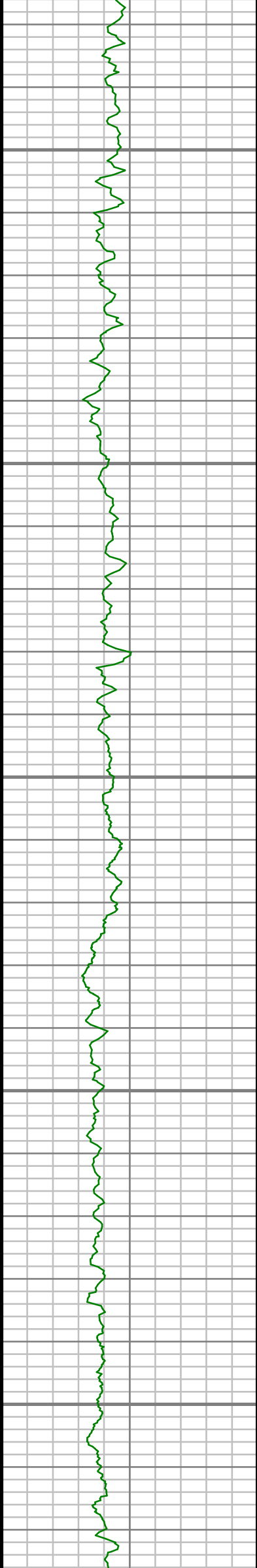
5100



S: 46 MD: 4916.00 ft  
Inc: 10.56 deg Az:  
181.80 deg TVD:  
4851.40 ft

S: 47 MD: 5010.00 ft  
Inc: 11.97 deg Az:  
176.51 deg TVD:  
4943.59 ft

S: 48 MD: 5105.00 ft  
Inc: 11.20 deg Az:  
179.00 deg TVD:  
5036.65 ft



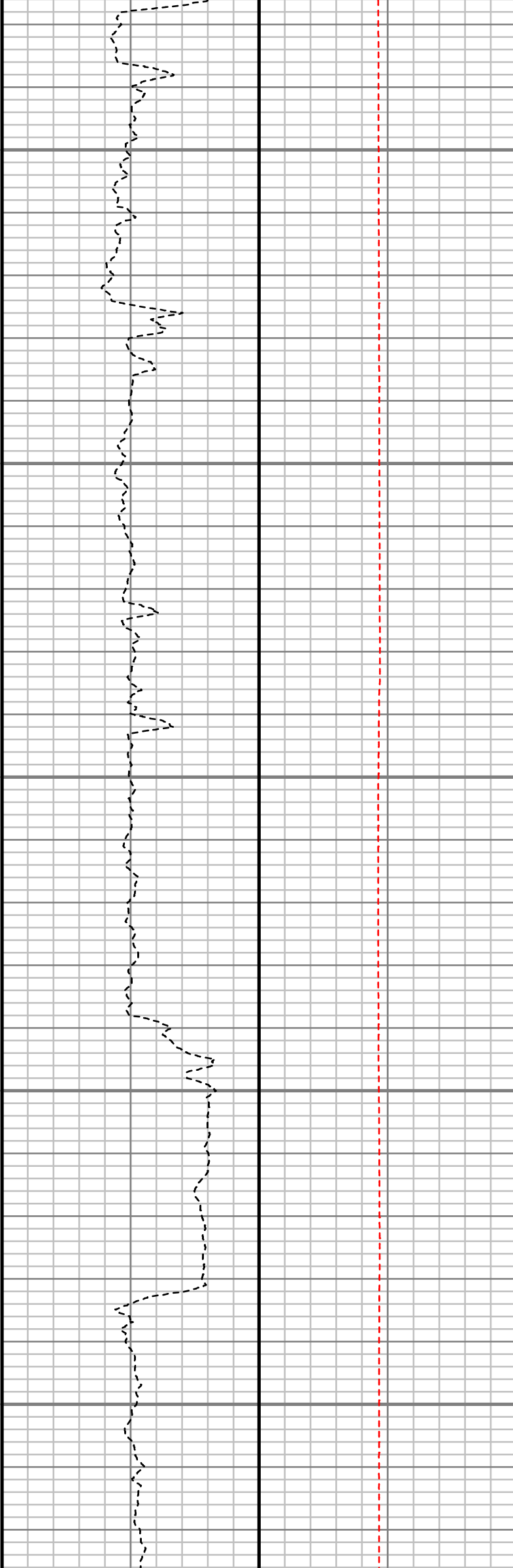
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5200

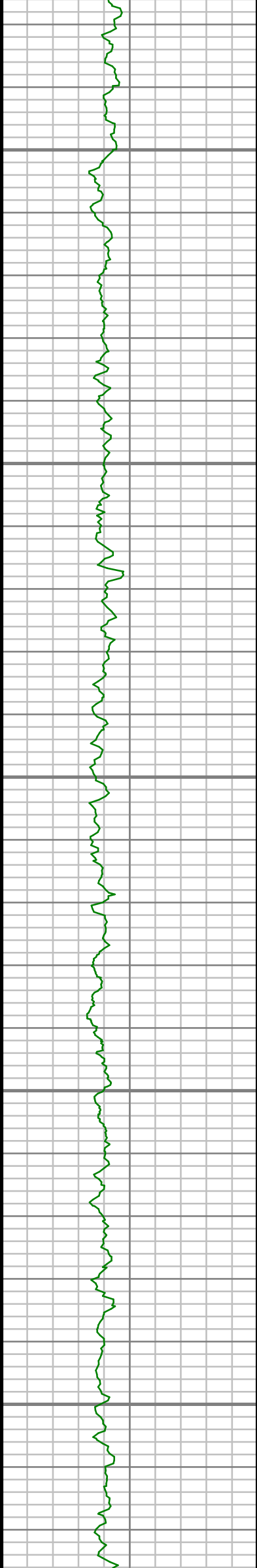
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5300

5350



S: 49 MD: 5199.00 ft  
Inc: 10.14 deg Az:  
175.40 deg TVD:  
5129.03 ft



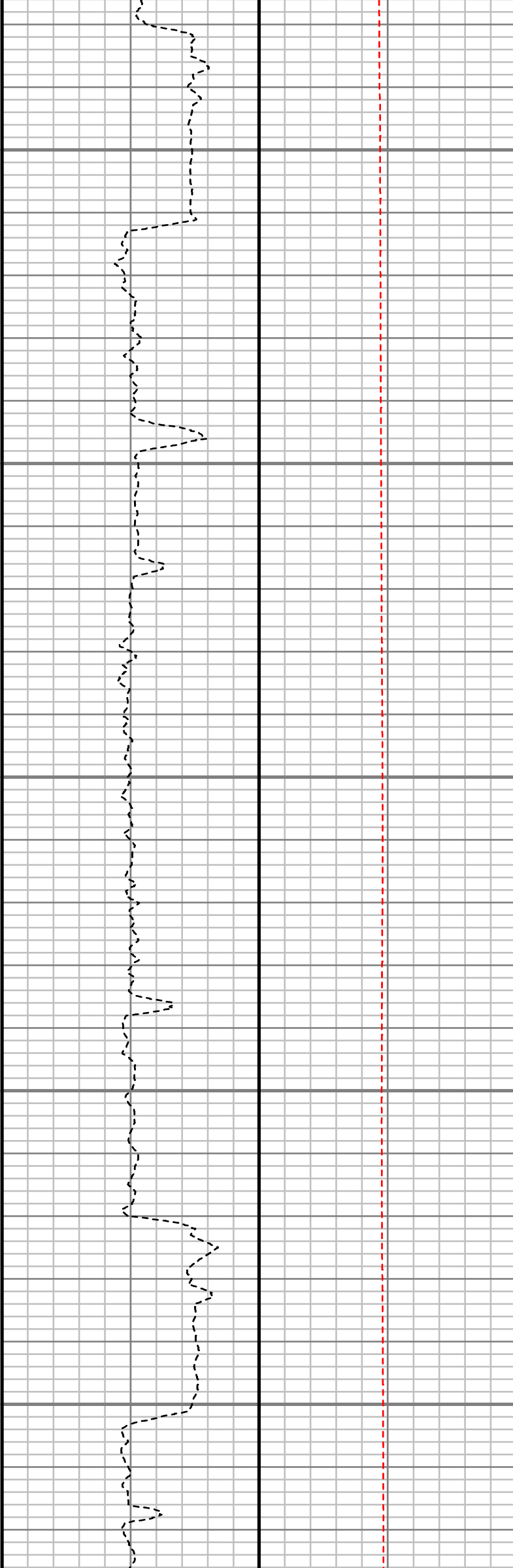
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5500

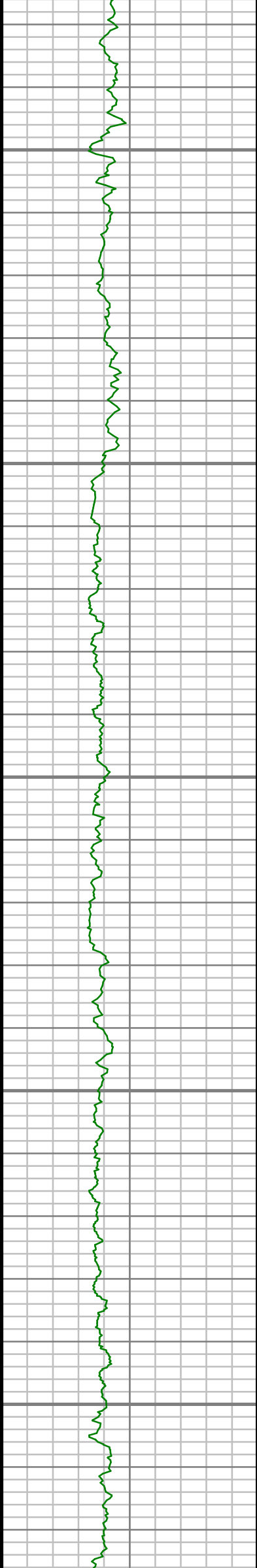
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5600



S: 50 MD: 5388.00 ft  
Inc: 12.50 deg Az:  
182.68 deg TVD:  
5314.34 ft

S: 51 MD: 5482.00 ft  
Inc: 12.13 deg Az:  
184.92 deg TVD:  
5406.18 ft



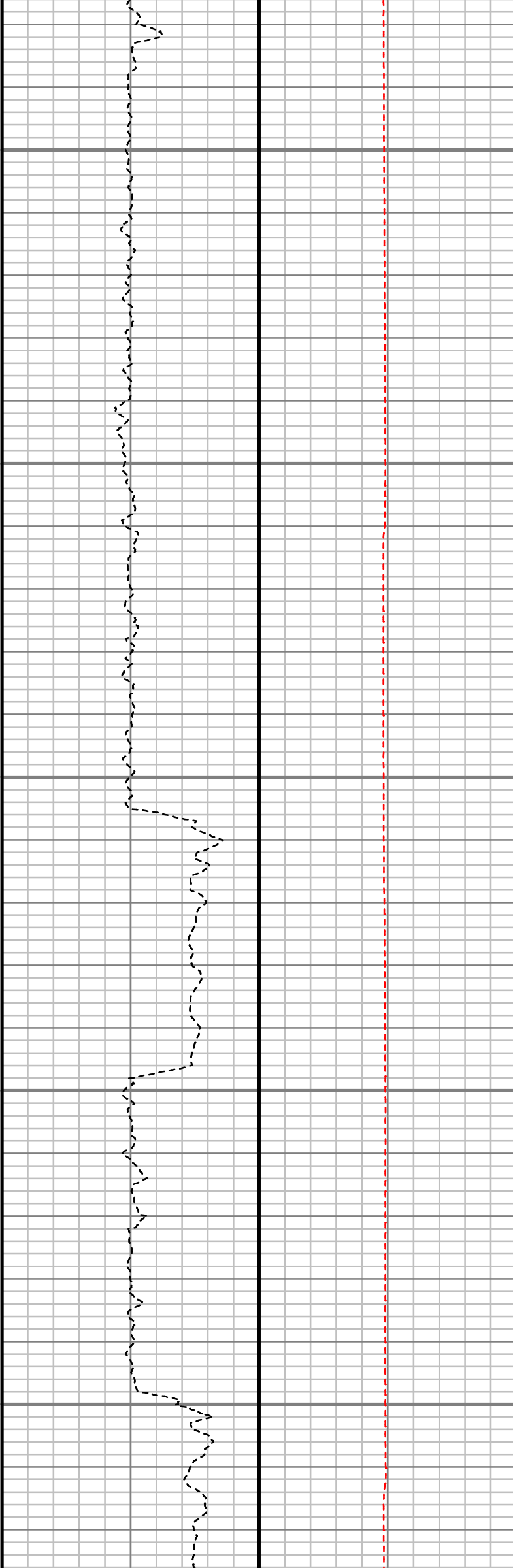
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5700

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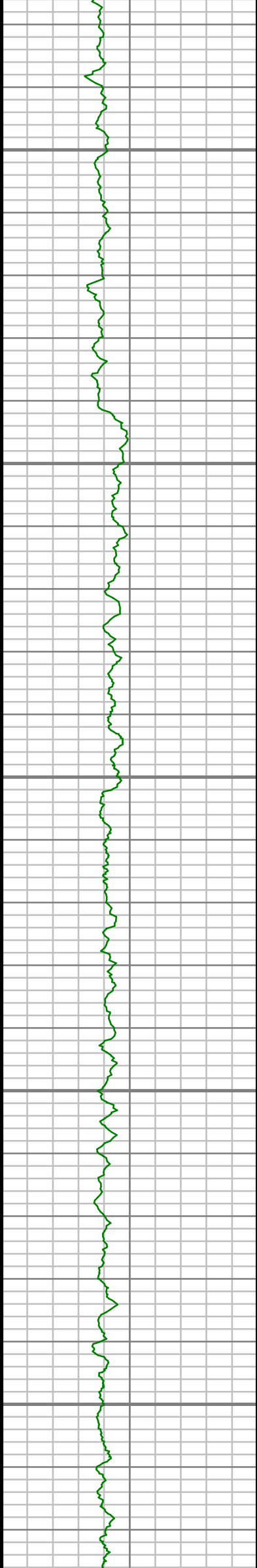
5800

5850



S: 52 MD: 5671.00 ft  
Inc: 9.62 deg Az:  
189.72 deg TVD:  
5591.78 ft

S: 53 MD: 5860.00 ft  
Inc: 9.35 deg Az:  
197.31 deg TVD:  
5778.20 ft



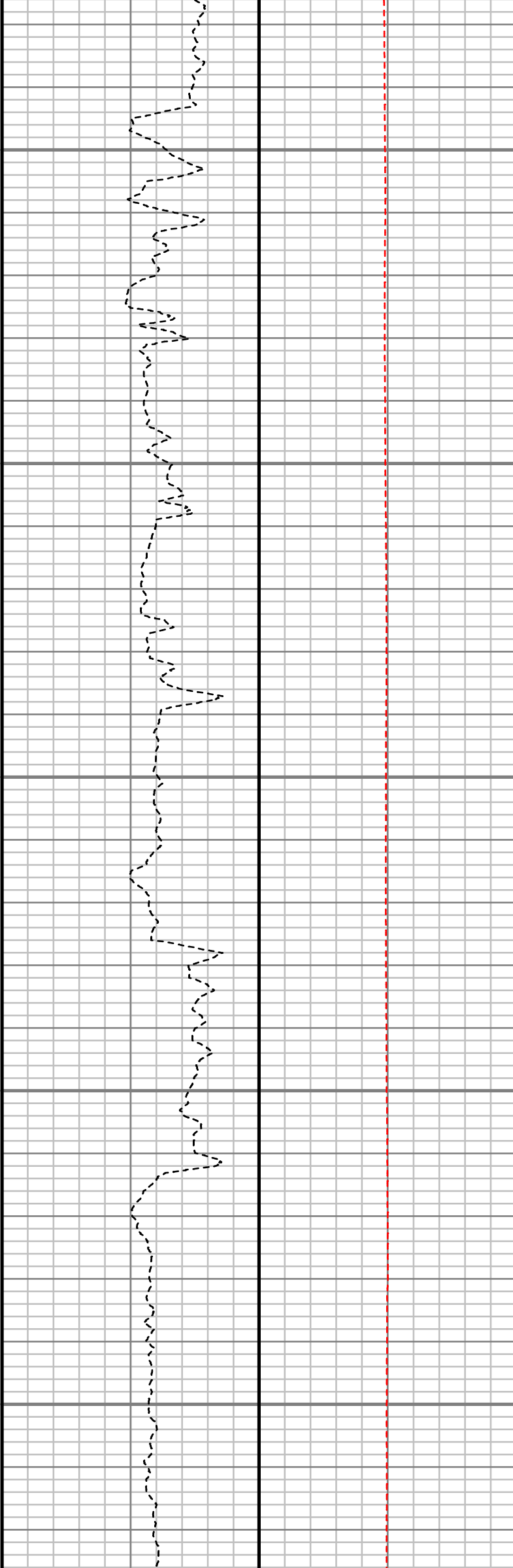
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5950

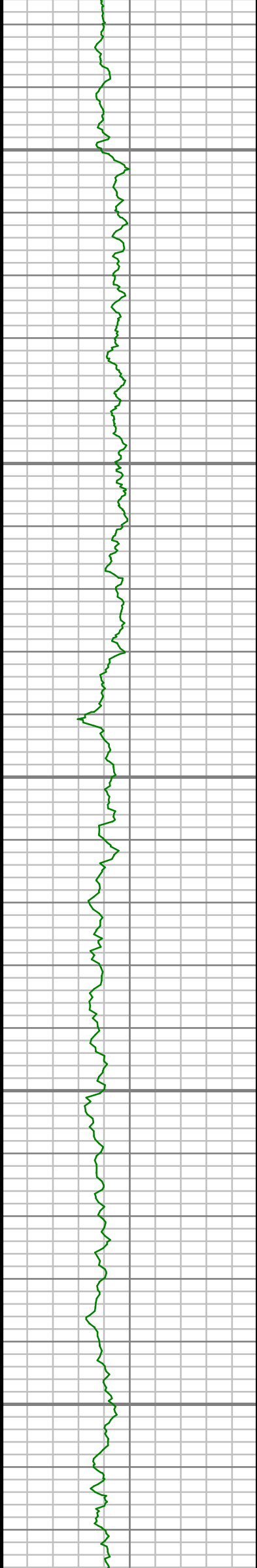
6000

6050

6100



S: 54 MD: 6049.00 ft  
Inc: 9.20 deg Az:  
191.91 deg TVD:  
5964.74 ft



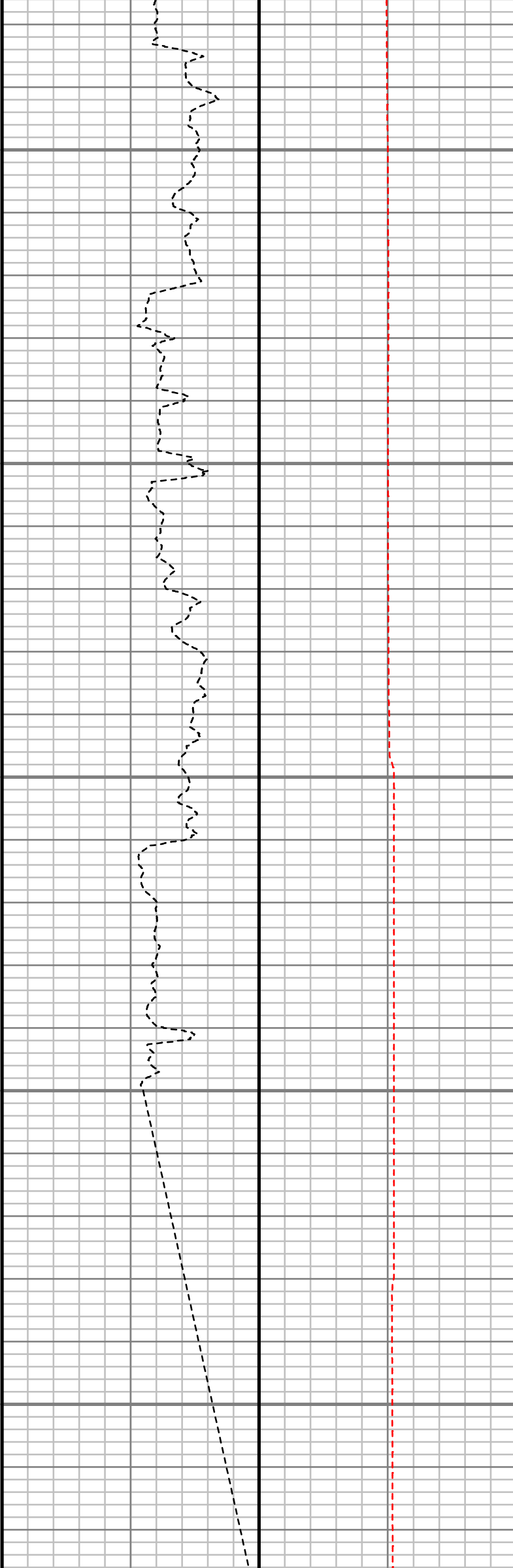
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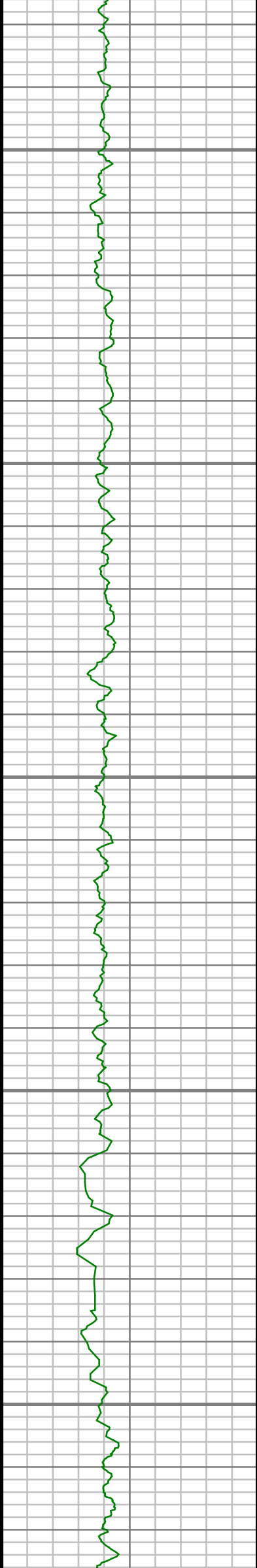
6300

6350



S: 55 MD: 6237.00 ft  
Inc: 10.59 deg Az:  
188.86 deg TVD:  
6149.94 ft

S: 56 MD: 6332.00 ft  
Inc: 9.35 deg Az:  
191.84 deg TVD:  
6243.50 ft



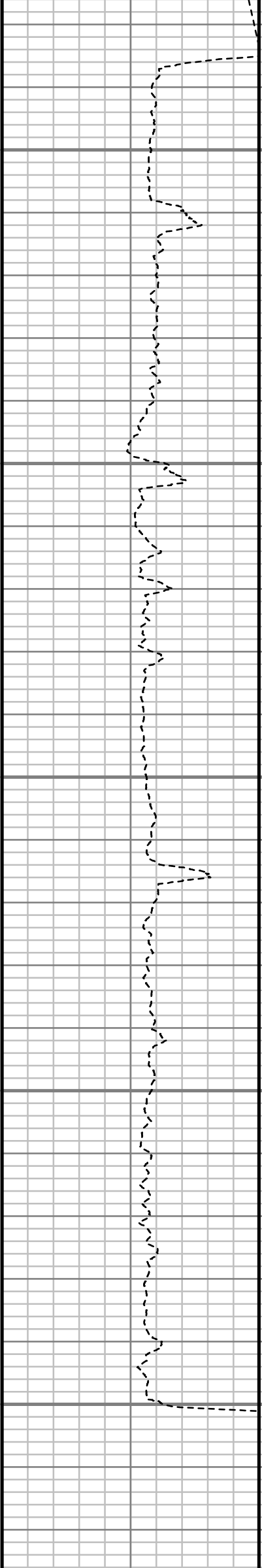
6400

6450

6500

6550

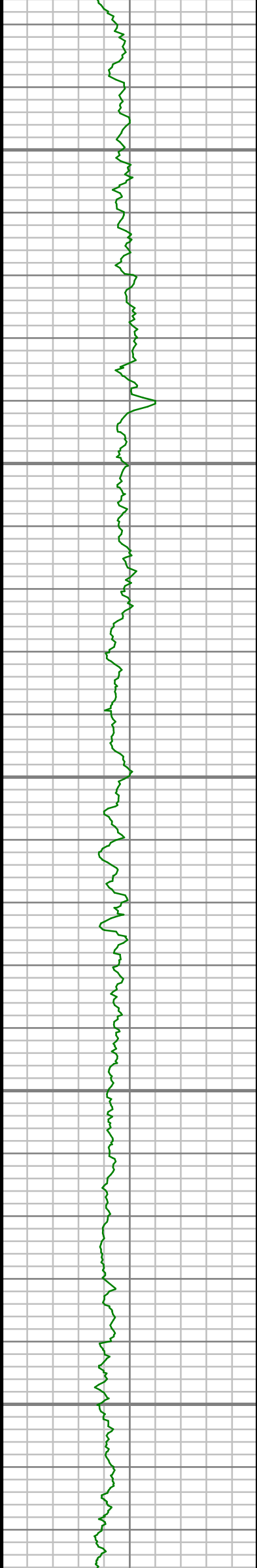
6600



S: 57 MD: 6520.00 ft  
Inc: 3.47 deg Az:  
188.54 deg TVD:  
6430.24 ft

S: 58 MD: 6614.00 ft  
Inc: 2.42 deg Az:  
183.96 deg TVD:  
6524.12 ft





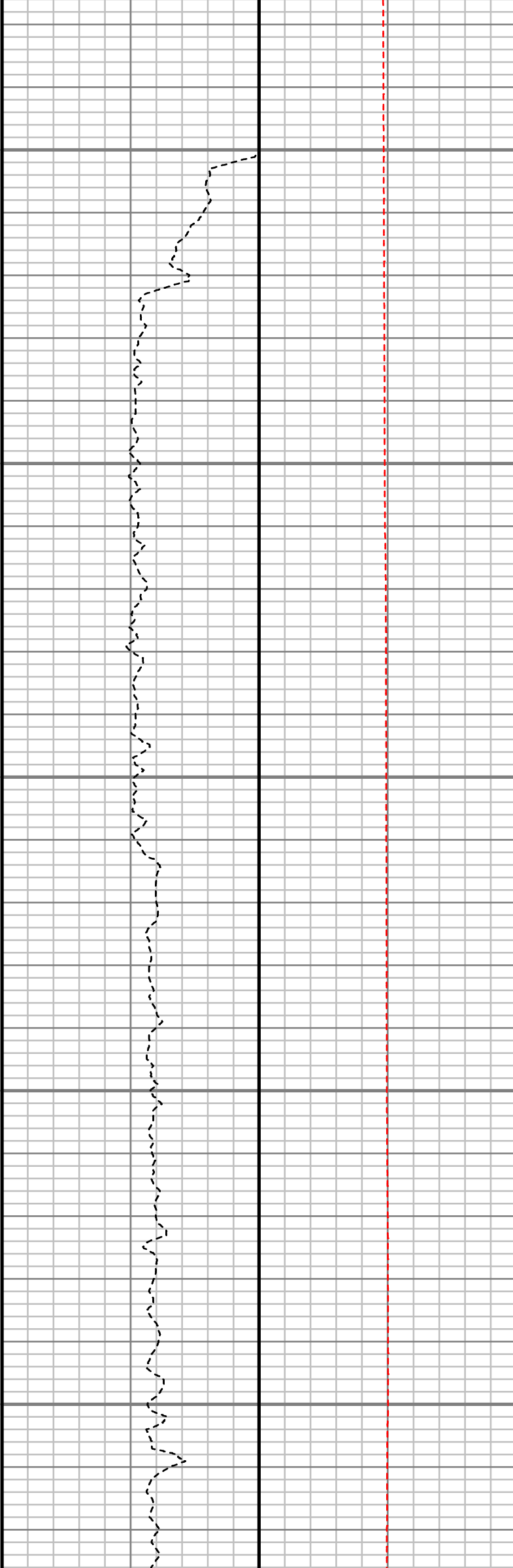
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6700

6750

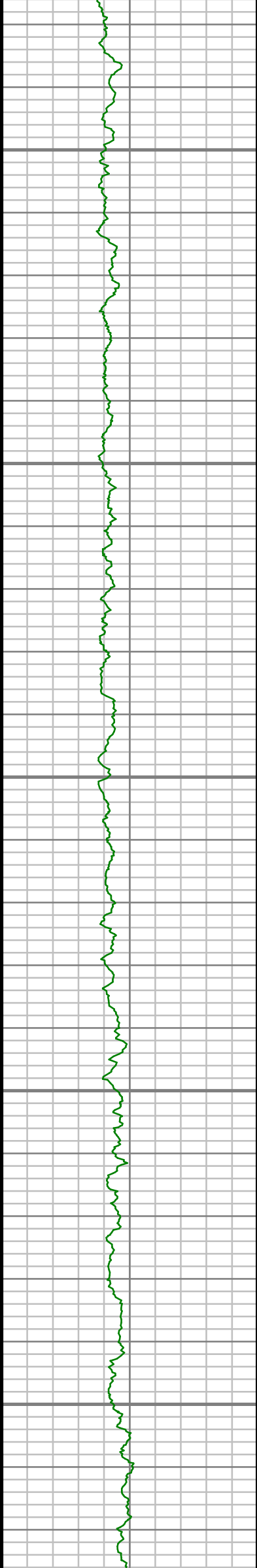
6800

6850



S: 59 MD: 6708.00 ft  
Inc: 1.59 deg Az:  
186.77 deg TVD:  
6618.06 ft

S: 60 MD: 6803.00 ft  
Inc: 0.64 deg Az:  
180.93 deg TVD:  
6713.04 ft



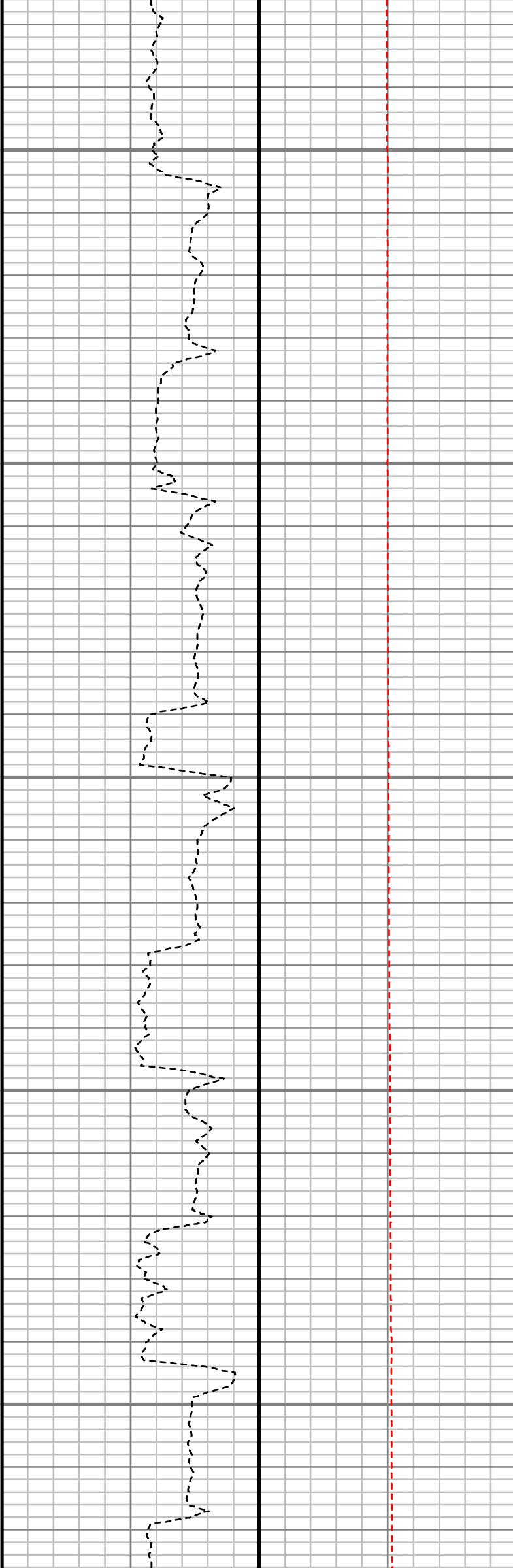
6900

6950

7000

7050

7100



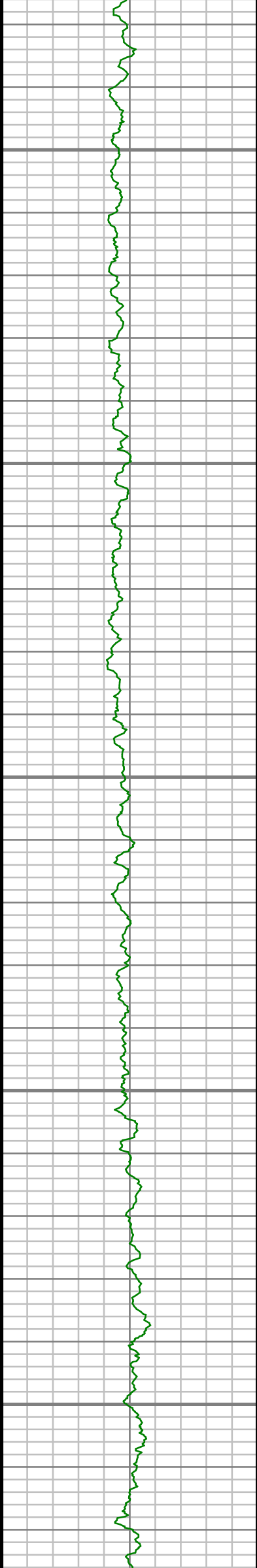
S: 61 MD: 6897.00 ft  
Inc: 0.47 deg Az: 102.42 deg TVD: 6807.04 ft

S: 62 MD: 6944.00 ft  
Inc: 4.07 deg Az: 30.90 deg TVD: 6854.00 ft

S: 63 MD: 6992.00 ft  
Inc: 8.25 deg Az: 11.15 deg TVD: 6901.71 ft

S: 64 MD: 7039.00 ft  
Inc: 12.05 deg Az: 1.65 deg TVD: 6947.97 ft

S: 65 MD: 7086.00 ft  
Inc: 15.32 deg Az: 359.21 deg TVD: 6993.63 ft



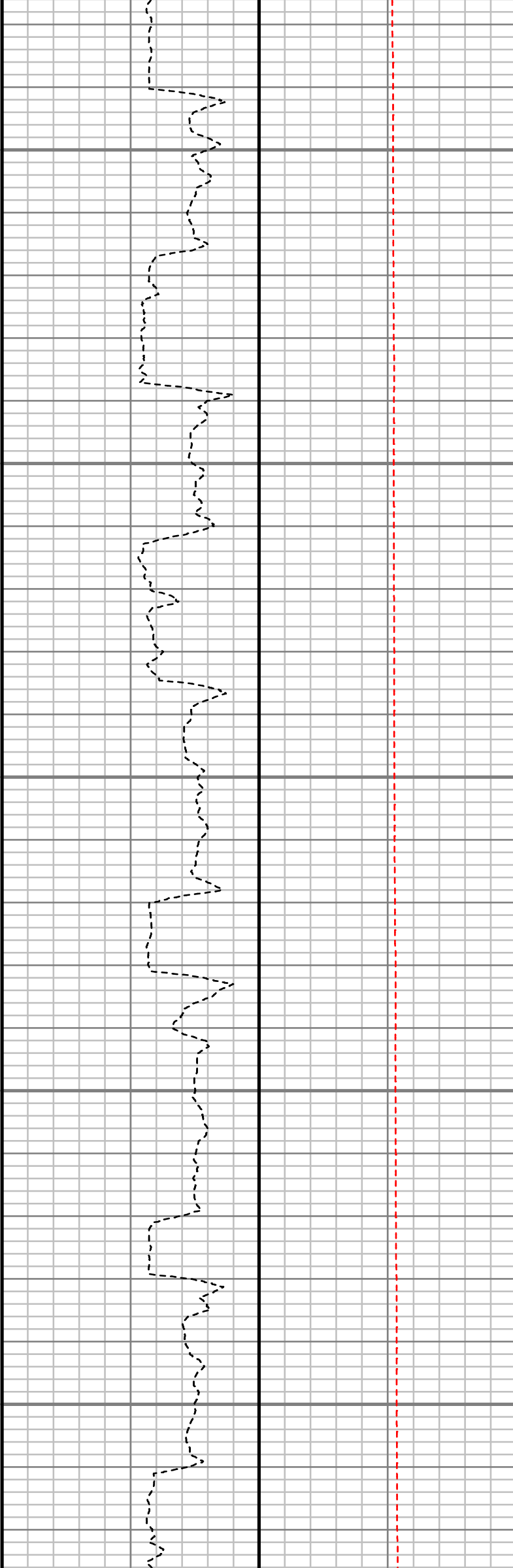
7150

7200

7250

7300

7350



S: 66 MD: 7133.00 ft  
Inc: 18.38 deg Az: 1.43  
deg TVD: 7038.61 ft

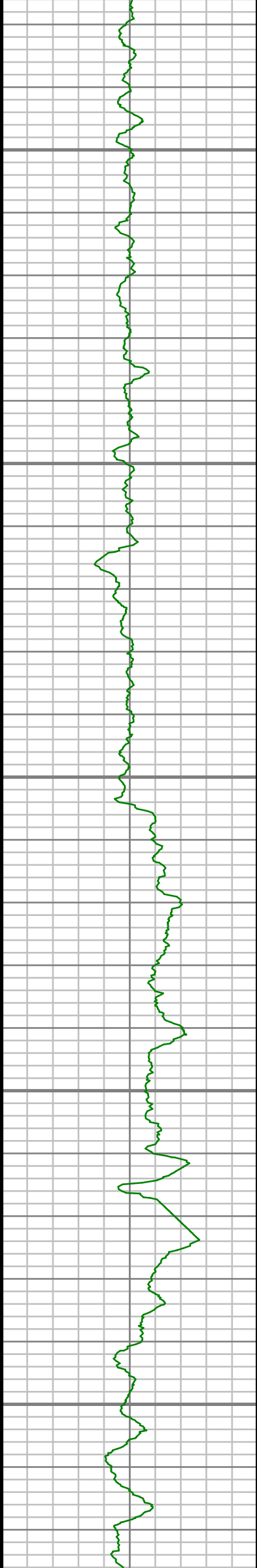
S: 67 MD: 7180.00 ft  
Inc: 21.41 deg Az: 2.40  
deg TVD: 7082.80 ft

S: 68 MD: 7227.00 ft  
Inc: 23.50 deg Az: 0.43  
deg TVD: 7126.24 ft

S: 69 MD: 7275.00 ft  
Inc: 27.72 deg Az: 2.66  
deg TVD: 7169.51 ft

S: 70 MD: 7322.00 ft  
Inc: 32.92 deg Az: 1.34  
deg TVD: 7210.07 ft

S: 71 MD: 7369.00 ft  
Inc: 37.82 deg Az: 1.09  
deg TVD: 7248.38 ft



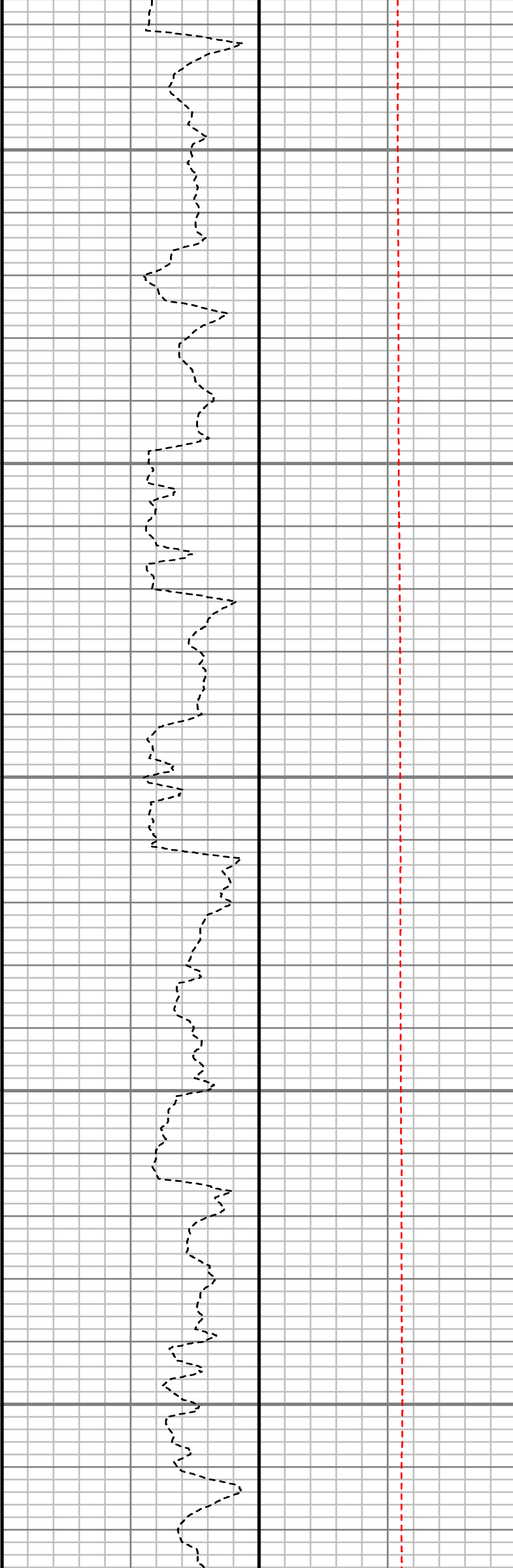
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7450

7500

7550

7600



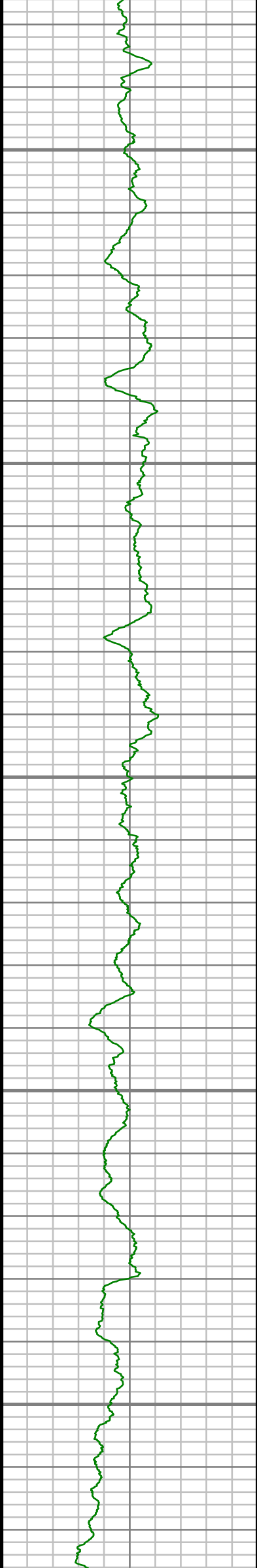
S: 72 MD: 7416.00 ft  
Inc: 42.10 deg Az: 0.55  
deg TVD: 7284.40 ft

S: 73 MD: 7463.00 ft  
Inc: 46.18 deg Az:  
359.00 deg TVD:  
7318.12 ft

S: 74 MD: 7510.00 ft  
Inc: 49.09 deg Az:  
357.60 deg TVD:  
7349.79 ft

S: 75 MD: 7558.00 ft  
Inc: 53.36 deg Az:  
358.87 deg TVD:  
7379.84 ft

S: 76 MD: 7605.00 ft  
Inc: 58.01 deg Az: 0.03  
deg TVD: 7406.33 ft



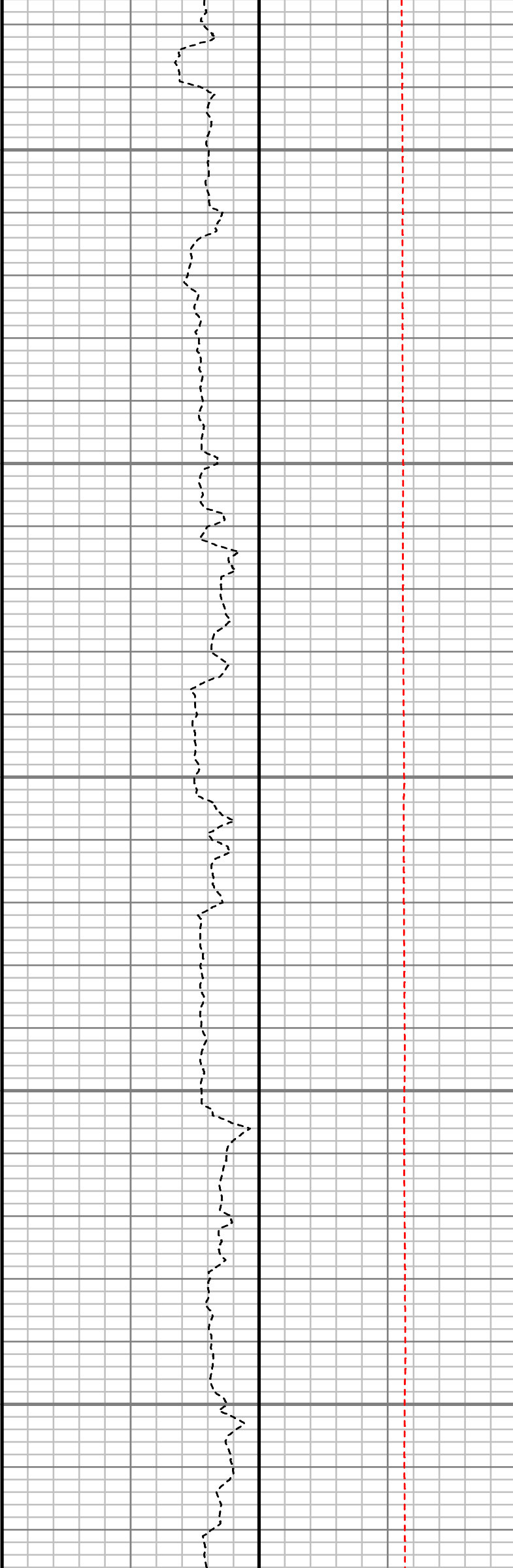
7650

7700

7750

7800

7850



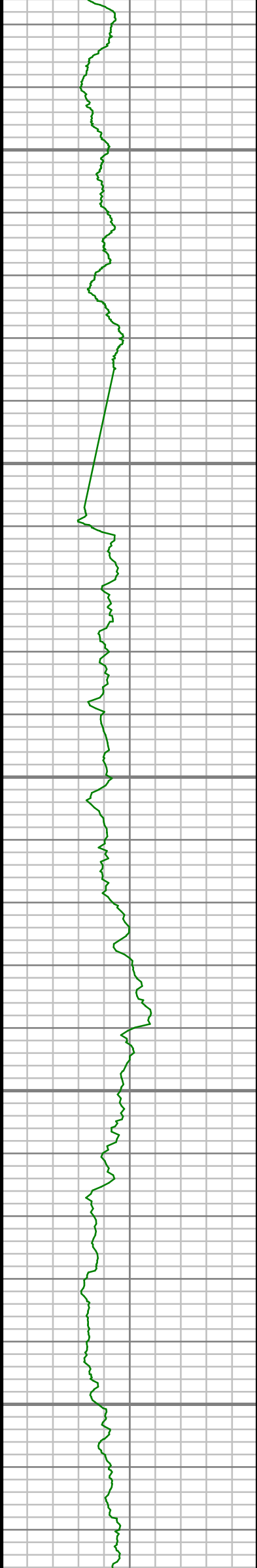
S: 77 MD: 7652.00 ft  
Inc: 60.27 deg Az: 2.06  
deg TVD: 7430.44 ft

S: 78 MD: 7699.00 ft  
Inc: 63.11 deg Az: 2.22  
deg TVD: 7452.73 ft

S: 79 MD: 7747.00 ft  
Inc: 68.12 deg Az: 0.19  
deg TVD: 7472.54 ft

S: 80 MD: 7794.00 ft  
Inc: 71.59 deg Az:  
359.48 deg TVD:  
7488.72 ft

S: 81 MD: 7841.00 ft  
Inc: 76.50 deg Az:  
359.38 deg TVD:  
7501.64 ft



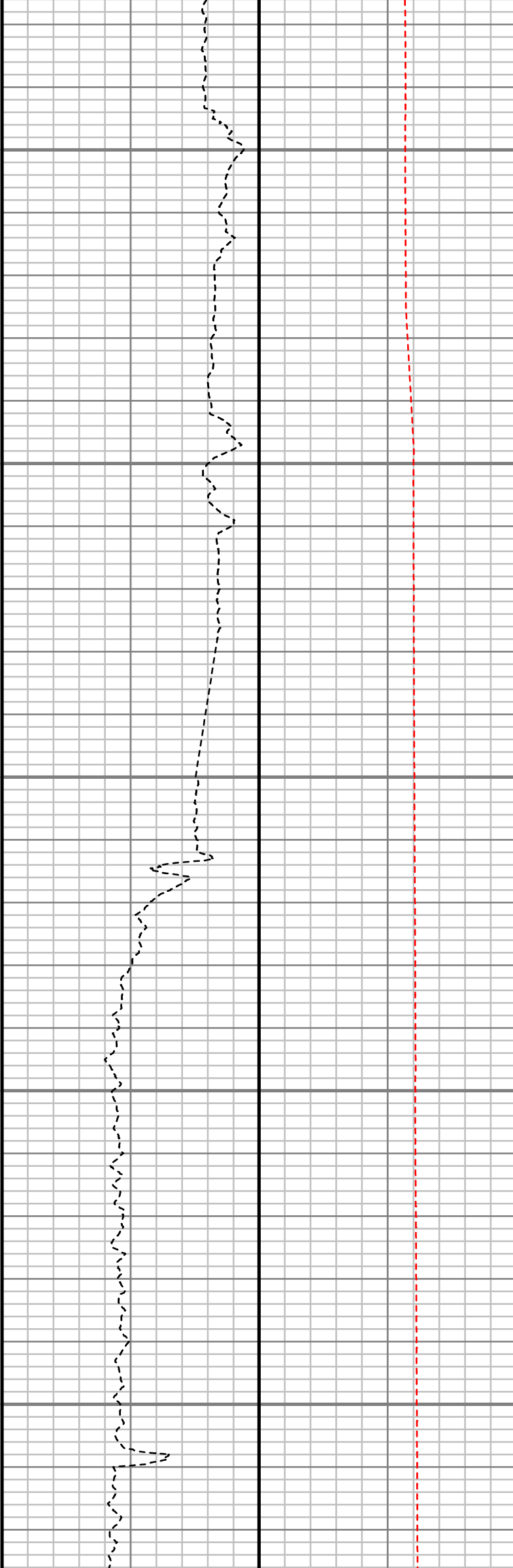
7900

7950

8000

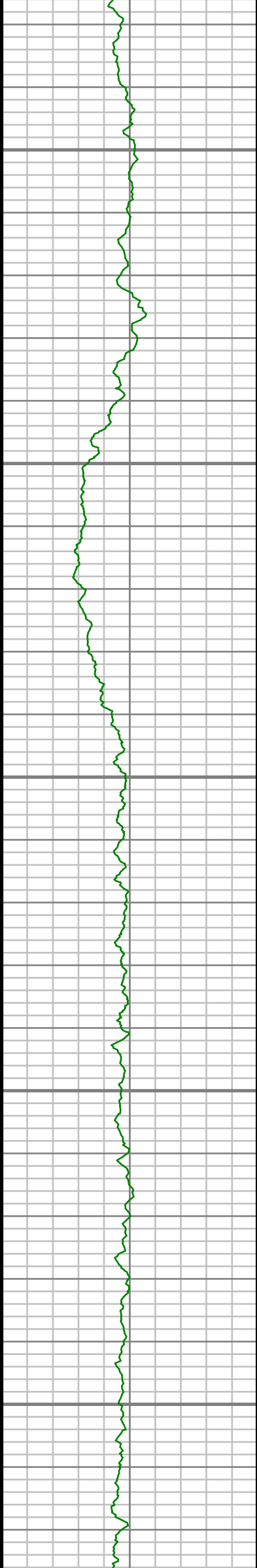
8050

8100



S: 82 MD: 7888.00 ft  
Inc: 80.77 deg Az: 0.55  
deg TVD: 7510.90 ft

S: 83 MD: 8044.00 ft  
Inc: 87.59 deg Az:  
359.24 deg TVD:  
7526.72 ft



8150

8200

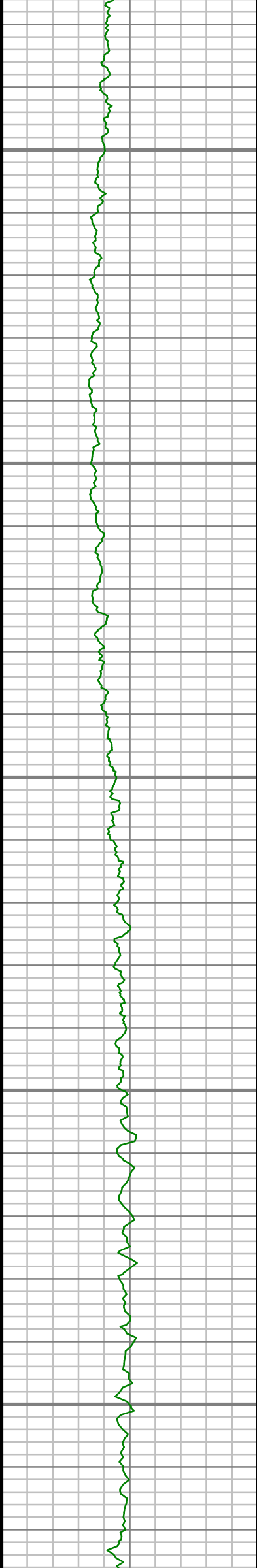
8250

8300

8350



S: 84 MD: 8327.00 ft  
Inc: 90.50 deg Az: 3.56  
deg TVD: 7531.45 ft



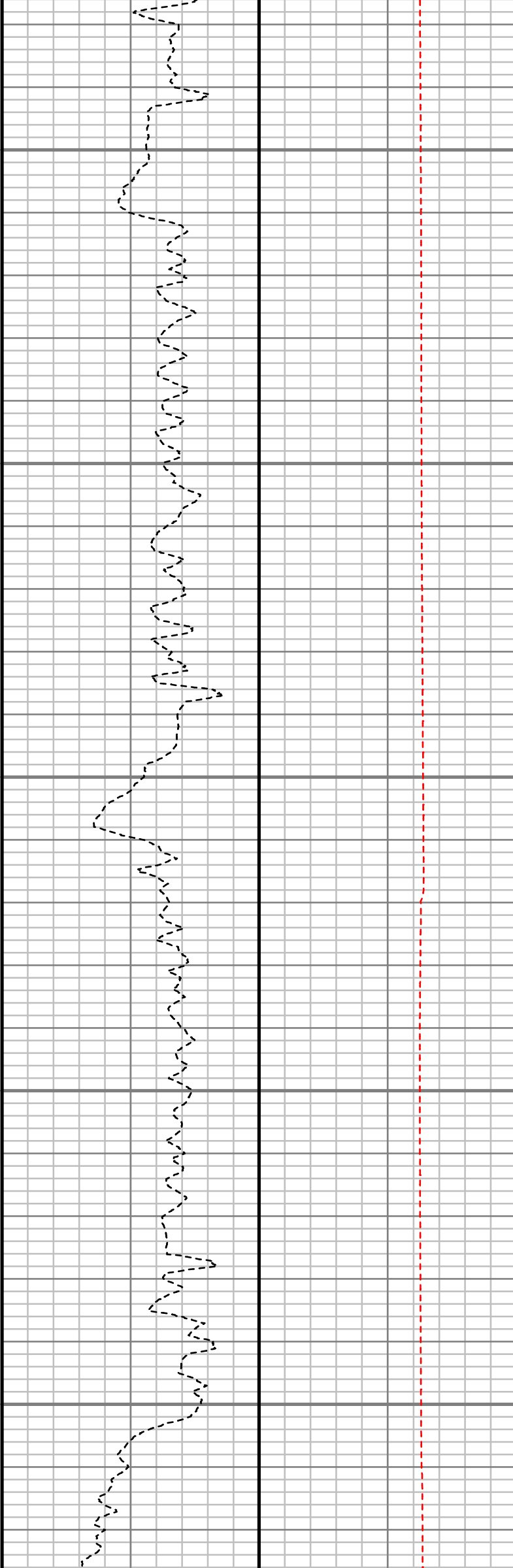
8400

8450

8500

8550

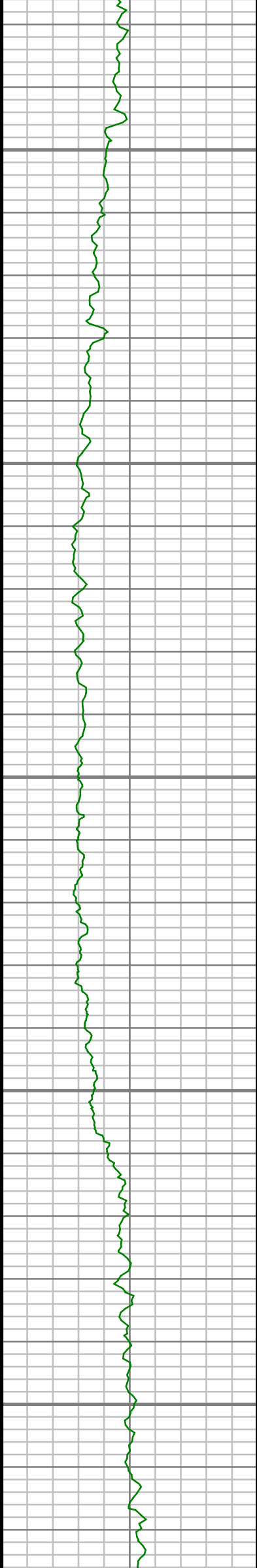
8600



S: 85 MD: 8421.00 ft  
Inc: 89.90 deg Az: 3.16  
deg TVD: 7531.12 ft

S: 86 MD: 8609.00 ft  
Inc: 90.94 deg Az: 2.48  
deg TVD: 7529.74 ft





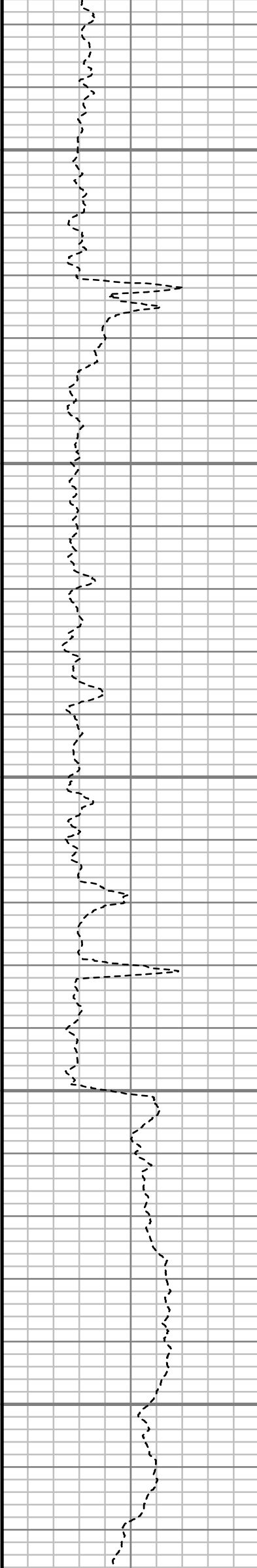
8650

8700

8750

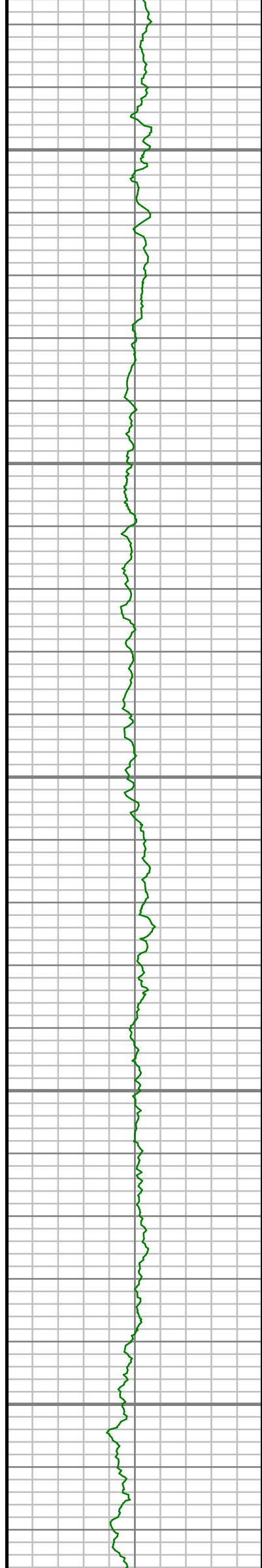
8800

8850



S: 87 MD: 8703.00 ft  
Inc: 90.13 deg Az: 0.88  
deg TVD: 7528.87 ft

S: 88 MD: 8798.00 ft  
Inc: 90.57 deg Az: 1.61  
deg TVD: 7528.28 ft



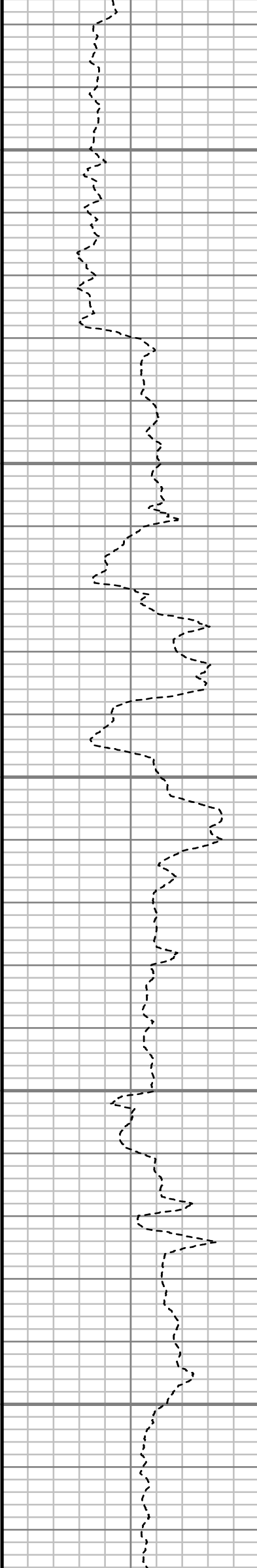
8900

8950

9000

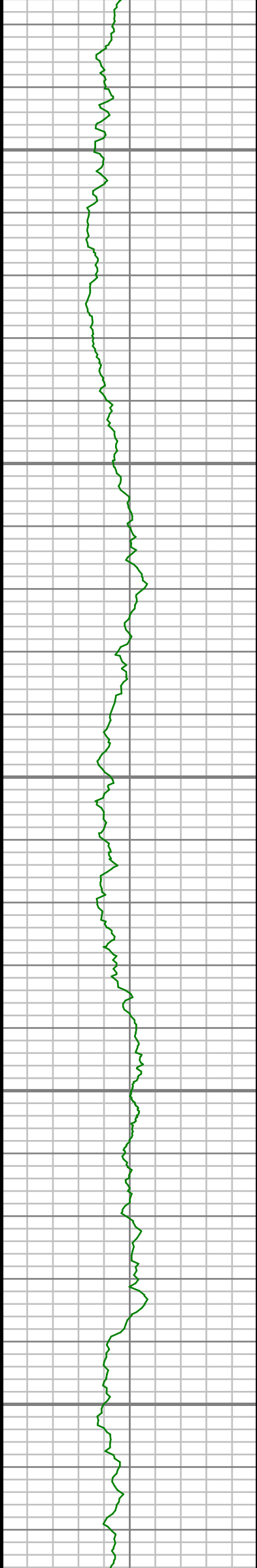
9050

9100



S: 89 MD: 8986.00 ft  
Inc: 89.93 deg Az: 0.74  
deg TVD: 7527.46 ft

S: 90 MD: 9081.00 ft  
Inc: 90.37 deg Az: 0.05  
deg TVD: 7527.20 ft



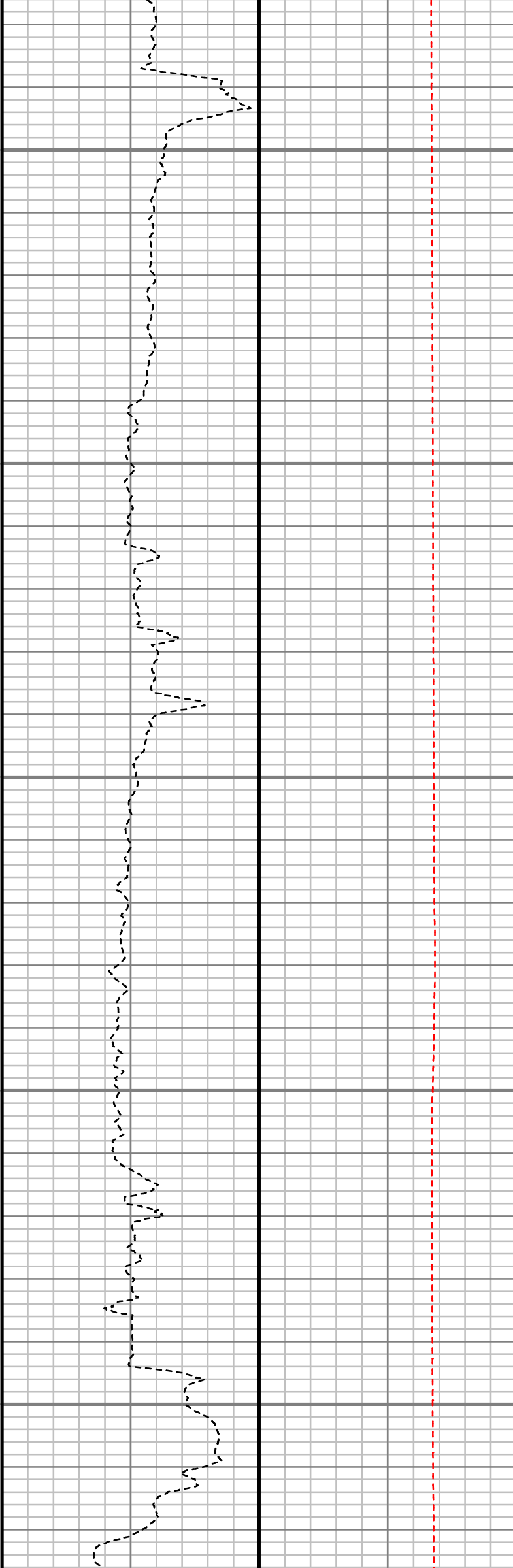
9150

9200

9250

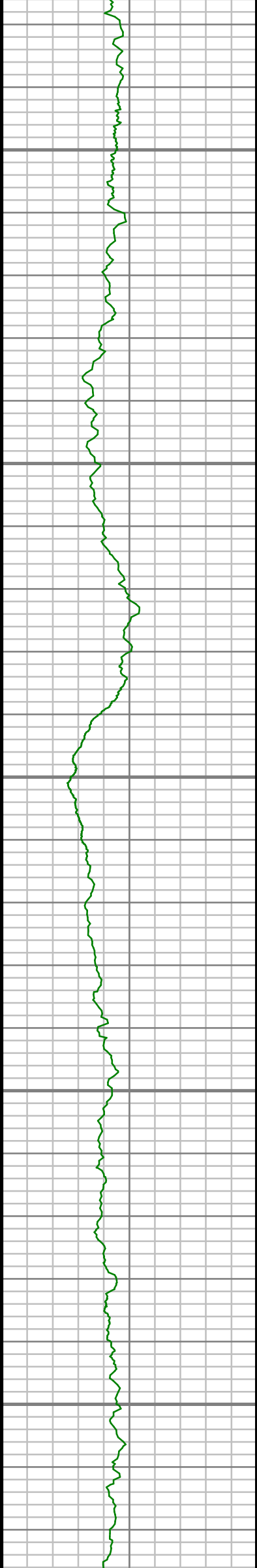
9300

9350



S: 91 MD: 9175.00 ft  
Inc: 90.80 deg Az: 0.30  
deg TVD: 7526.24 ft

S: 92 MD: 9363.00 ft  
Inc: 91.74 deg Az:  
358.77 deg TVD:  
7522.07 ft



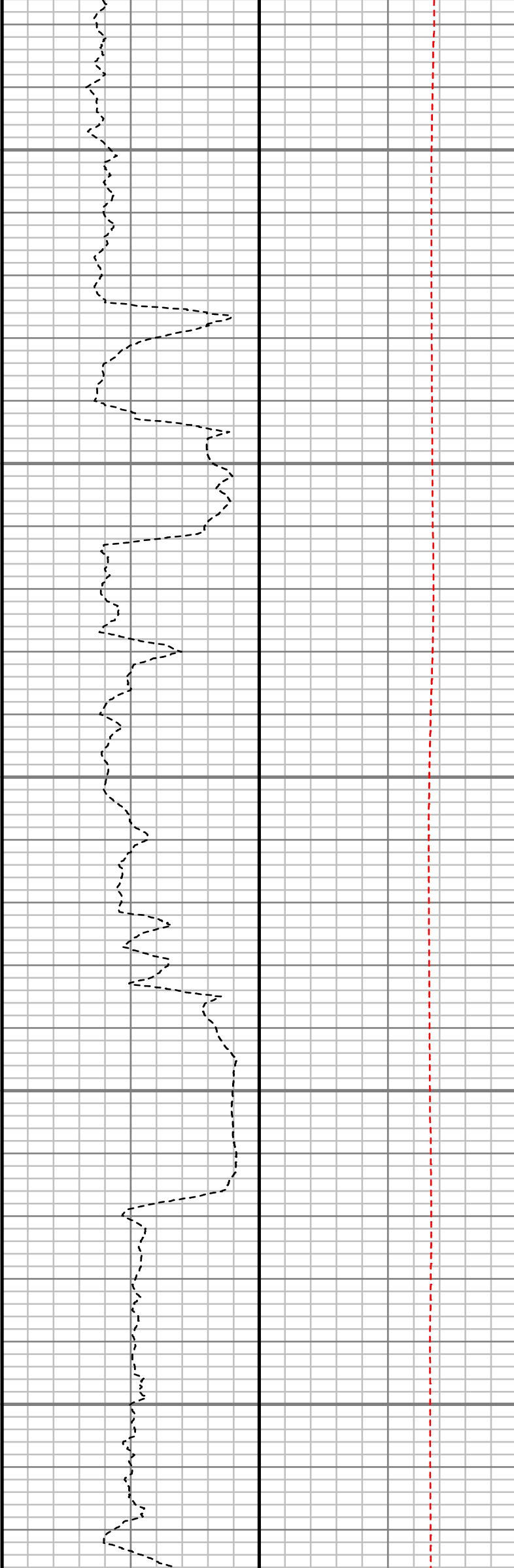
9400

9450

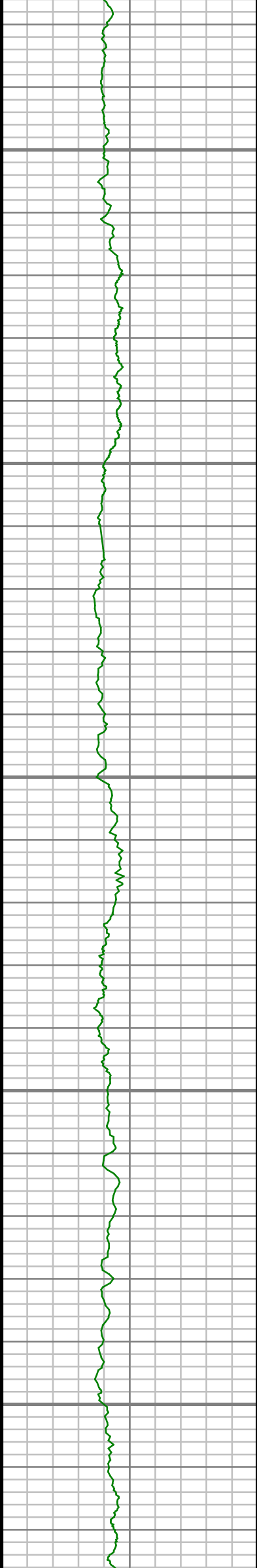
9500

9550

9600



S: 93 MD: 9552.00 ft  
Inc: 90.57 deg Az:  
358.20 deg TVD:  
7518.26 ft



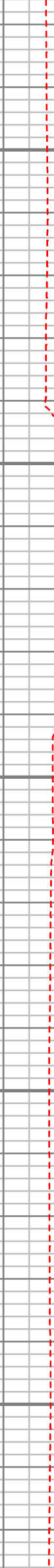
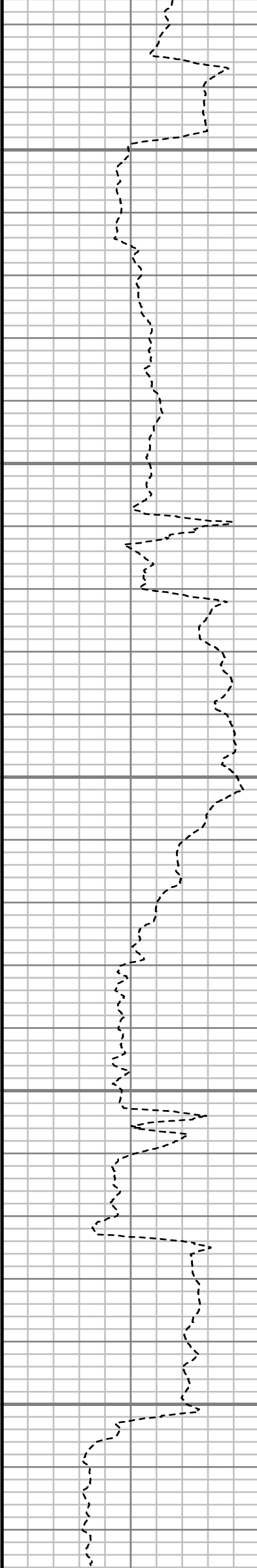
9650

9700

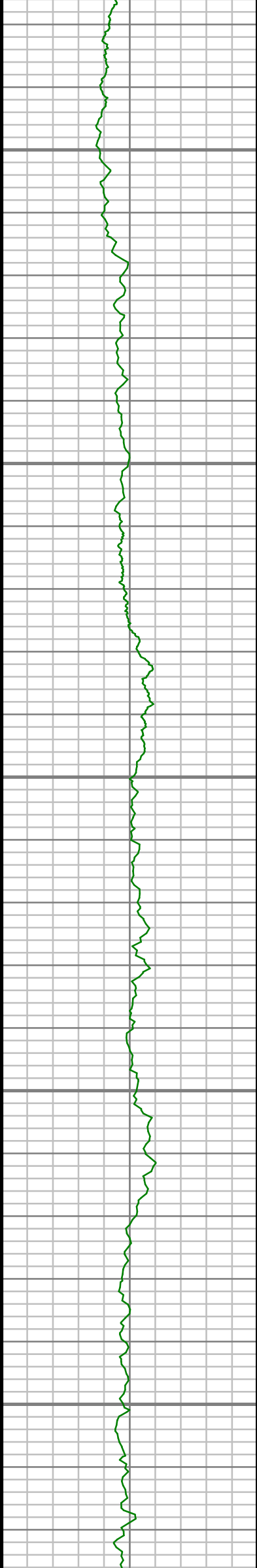
9750

9800

9850



S: 94 MD: 9690.00 ft  
Inc: 90.23 deg Az:  
357.42 deg TVD:  
7517.29 ft



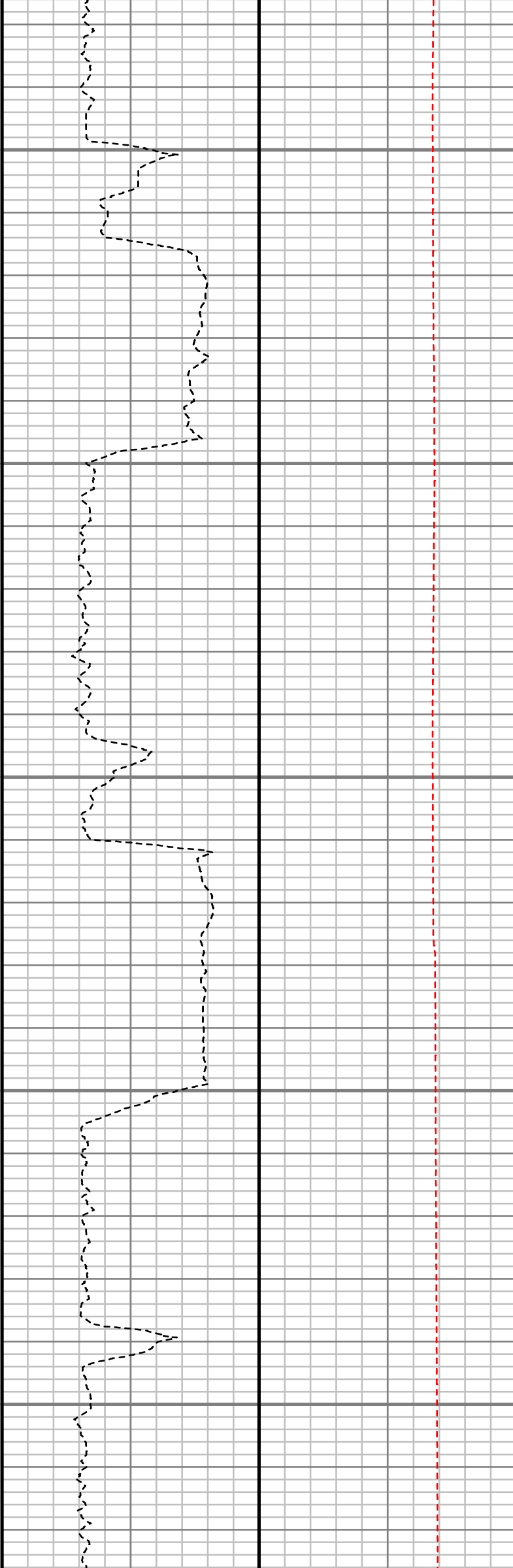
9900

9950

10000

10050

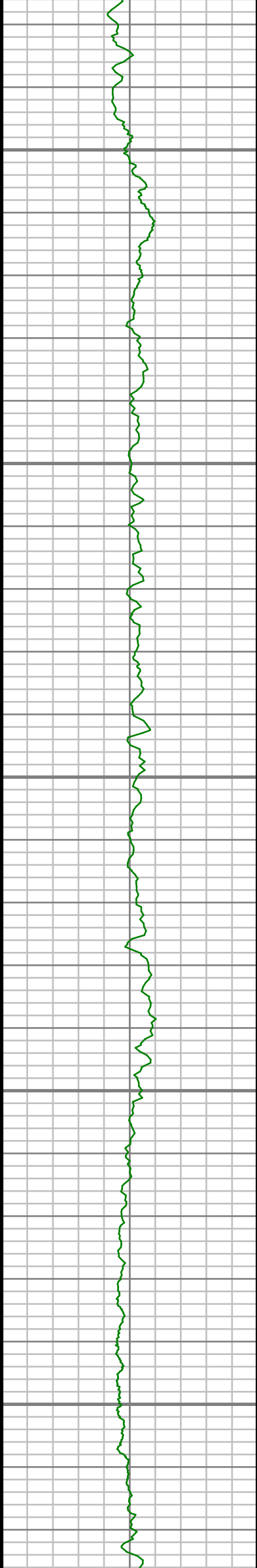
10100



S: 95 MD: 9929.00 ft  
Inc: 90.10 deg Az:  
358.15 deg TVD:  
7516.59 ft

S: 96 MD: 10024.00 ft  
Inc: 89.63 deg Az: 0.09  
deg TVD: 7516.81 ft

S: 97 MD: 10117.00 ft  
Inc: 90.37 deg Az: 1.69  
deg TVD: 7516.81 ft



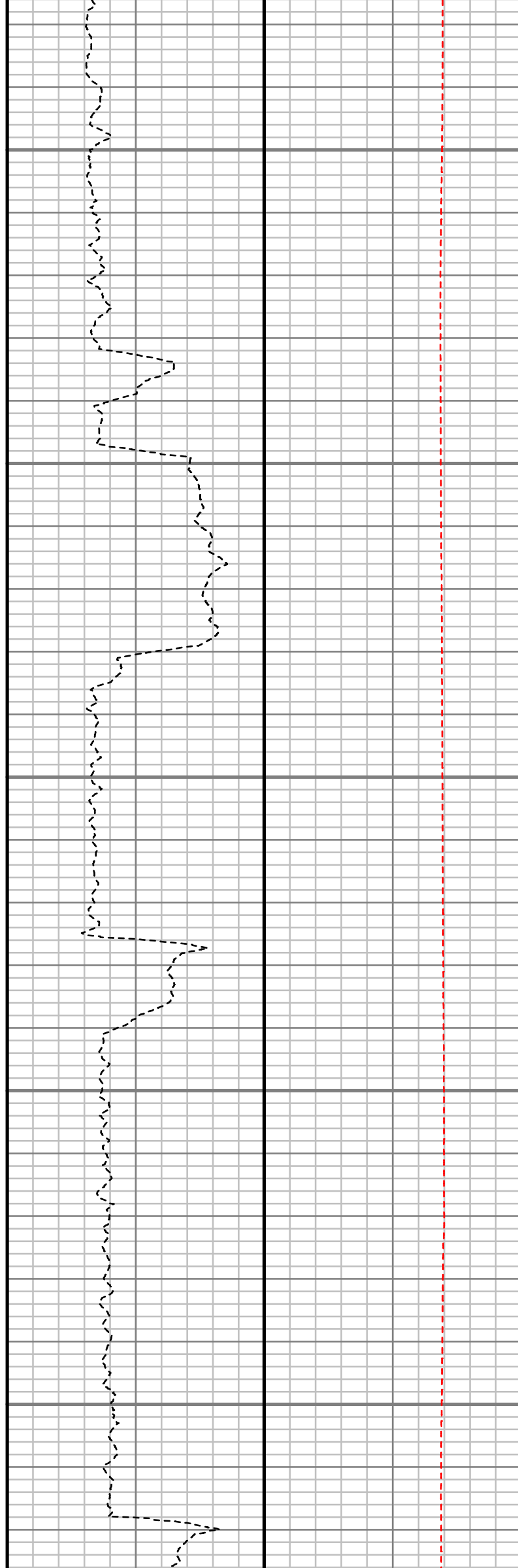
10150

10200

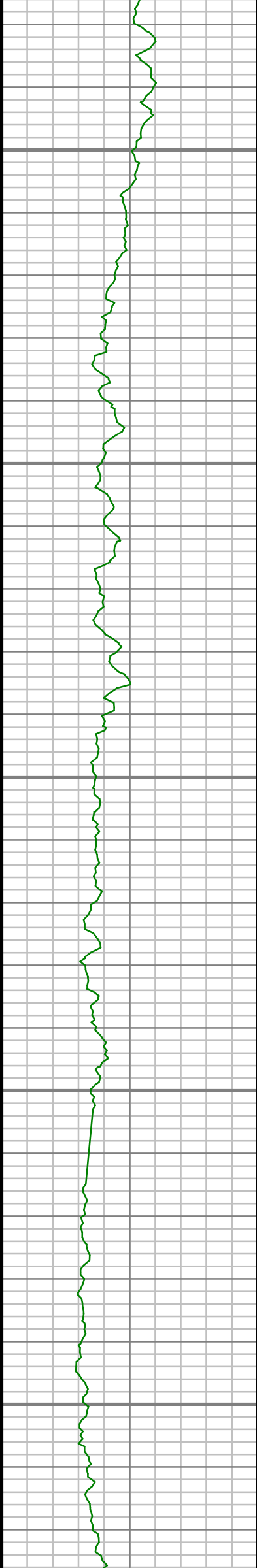
10250

10300

10350



S: 98 MD: 10212.00 ft  
Inc: 89.80 deg Az: 1.82  
deg TVD: 7516.67 ft



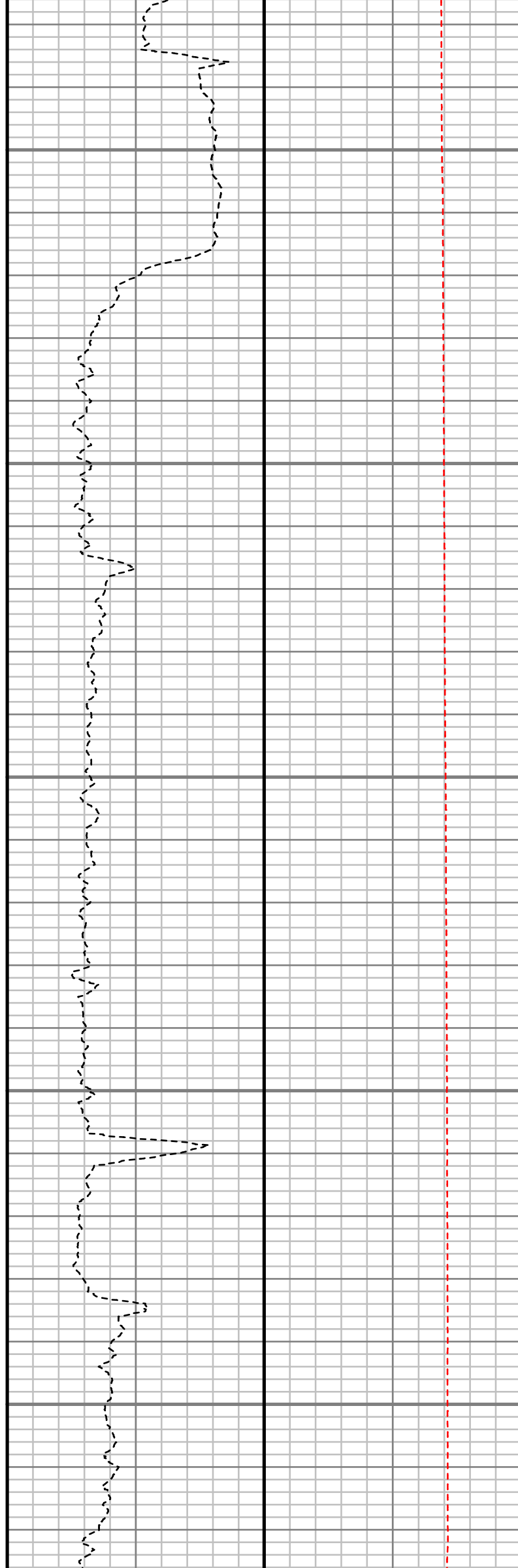
10400

10450

10500

10550

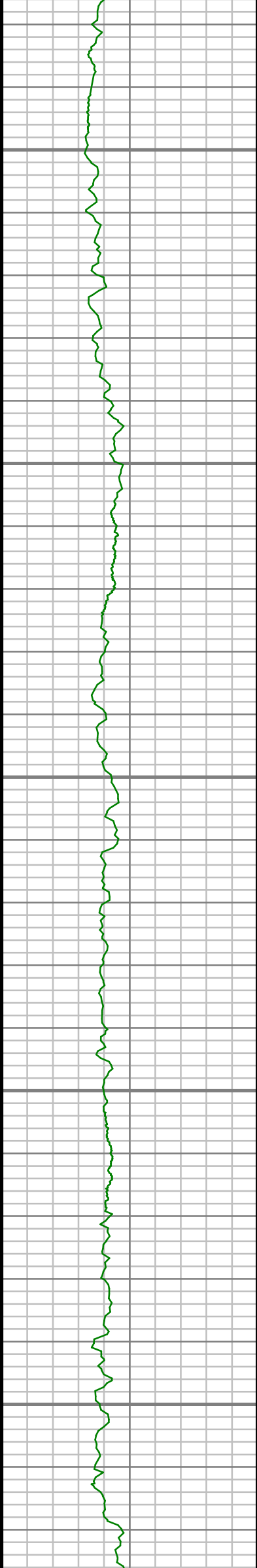
10600



S: 99 MD: 10400.00 ft  
Inc: 88.50 deg Az: 2.82  
deg TVD: 7519.47 ft

S: 100 MD: 10495.00 ft  
Inc: 88.42 deg Az: 1.72  
deg TVD: 7522.02 ft





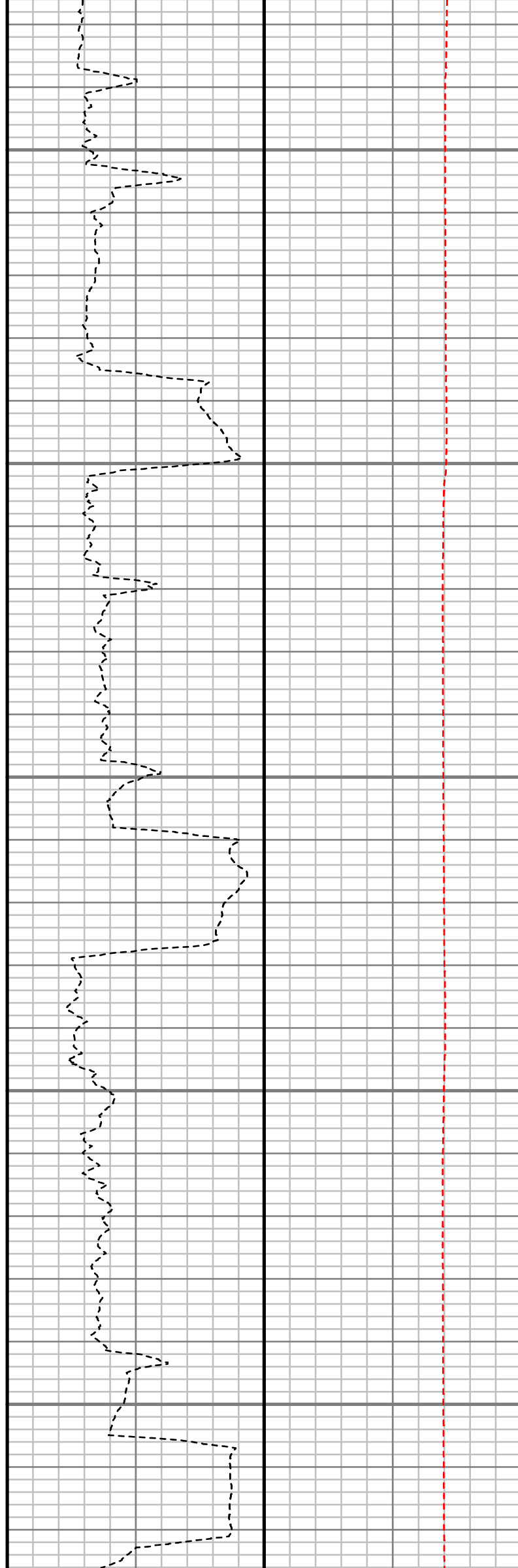
10650

10700

10750

10800

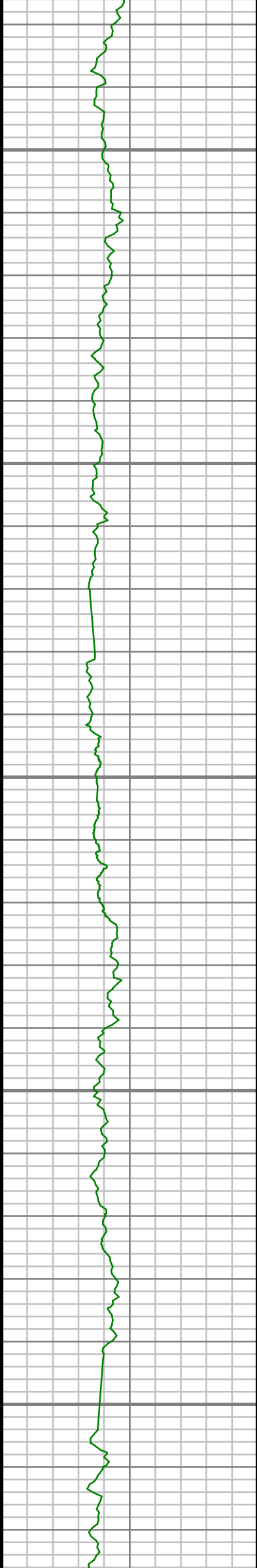
10850



S: 101 MD: 10684.00 ft  
Inc: 90.67 deg Az: 1.17  
deg TVD: 7523.52 ft

S: 102 MD: 10778.00 ft  
Inc: 90.37 deg Az: 2.15  
deg TVD: 7522.66 ft

S: 103 MD: 10872.00 ft  
Inc: 88.79 deg Az: 0.89



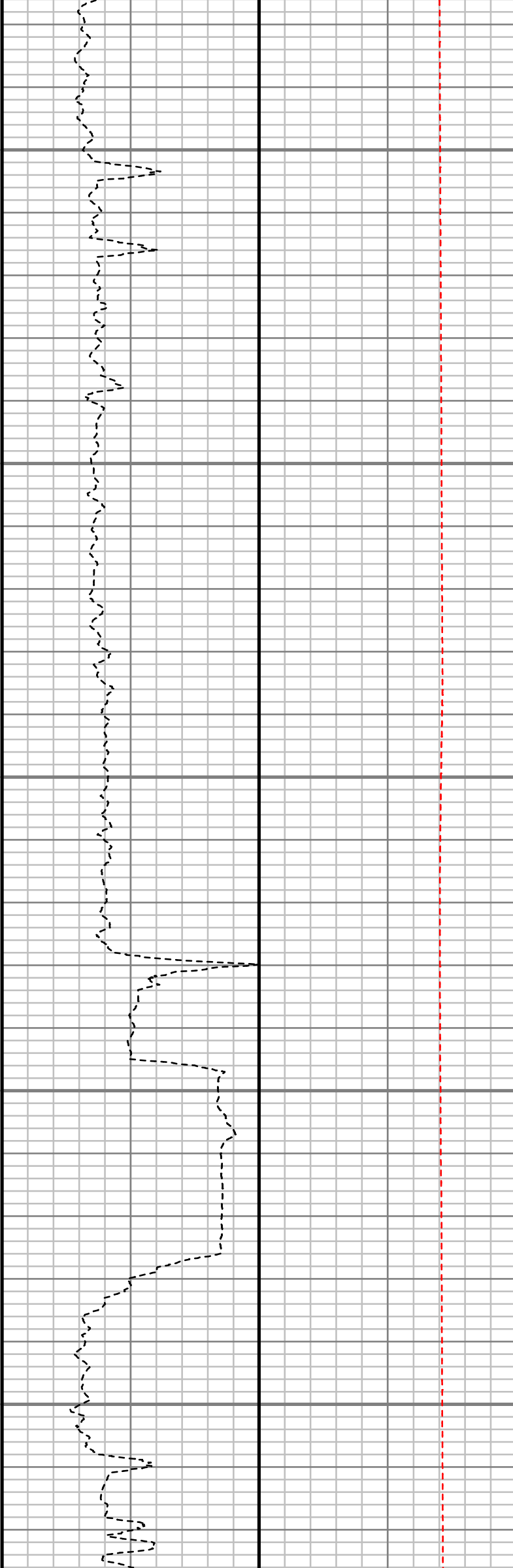
10900

10950

11000

11050

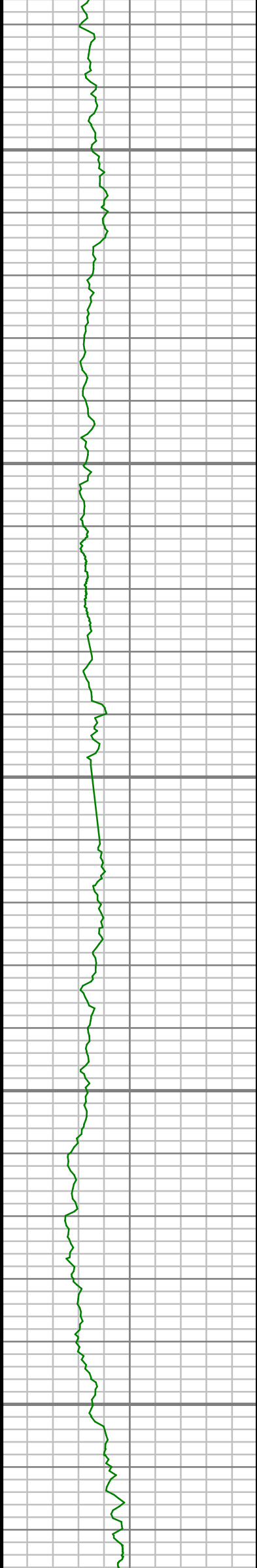
11100



Inc: 89.70 deg Az: 0.63  
deg TVD: 7523.35 ft

S: 104 MD: 10967.00 ft  
Inc: 90.07 deg Az: 0.63  
deg TVD: 7524.30 ft

S: 105 MD: 11061.00 ft  
Inc: 89.70 deg Az: 0.67  
deg TVD: 7524.49 ft



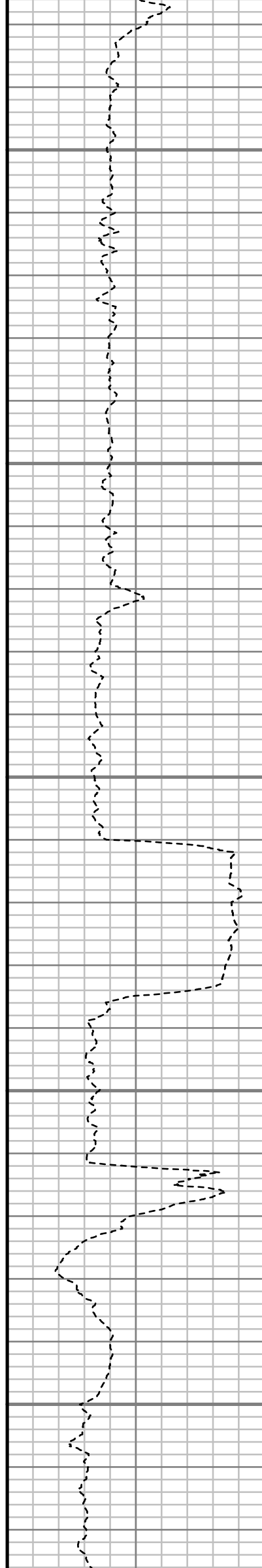
11150

11200

11250

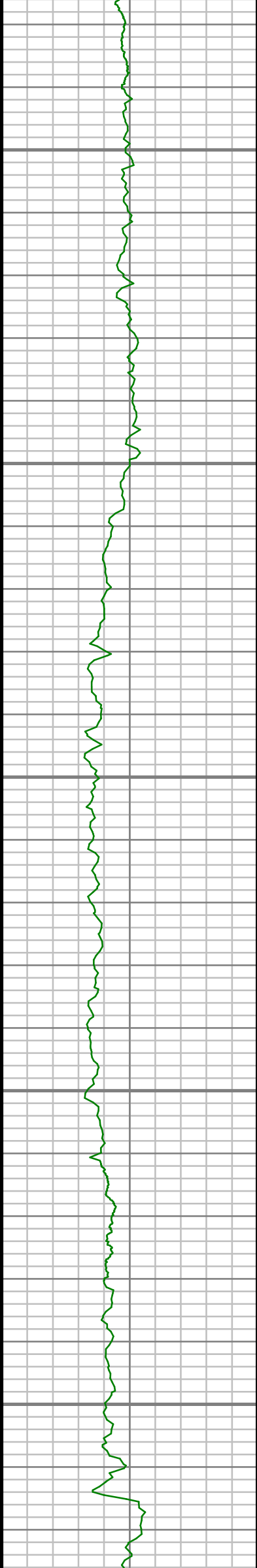
11300

11350



S: 106 MD: 11156.00 ft  
Inc: 89.56 deg Az: 0.82  
deg TVD: 7525.10 ft

S: 107 MD: 11345.00 ft  
Inc: 89.97 deg Az: 1.69  
deg TVD: 7525.88 ft



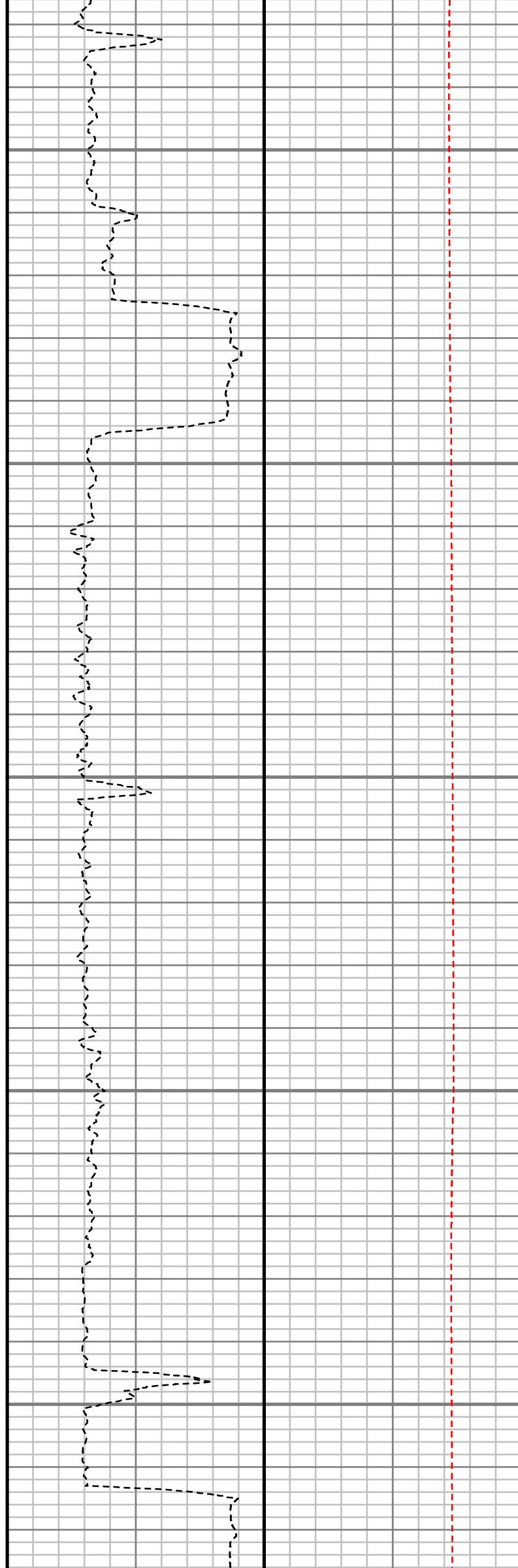
11400

11450

11500

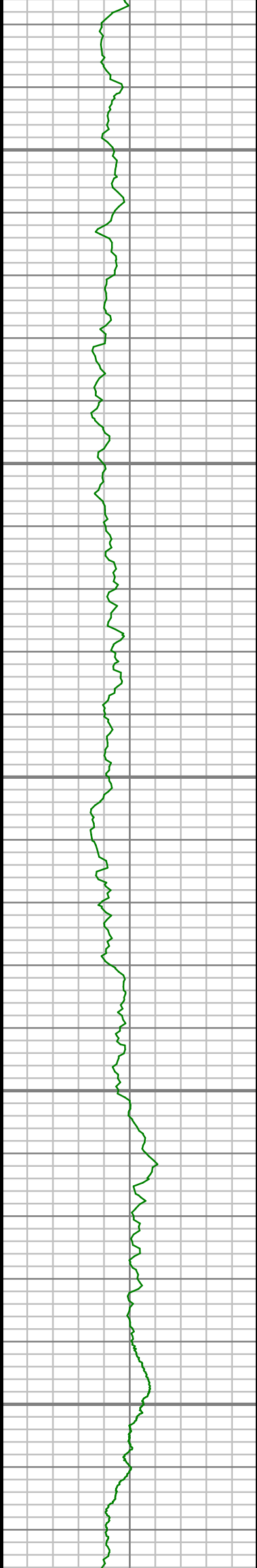
11550

11600



S: 108 MD: 11439.00 ft  
Inc: 89.10 deg Az: 1.14  
deg TVD: 7526.65 ft

S: 109 MD: 11533.00 ft  
Inc: 89.97 deg Az: 0.89  
deg TVD: 7527.42 ft



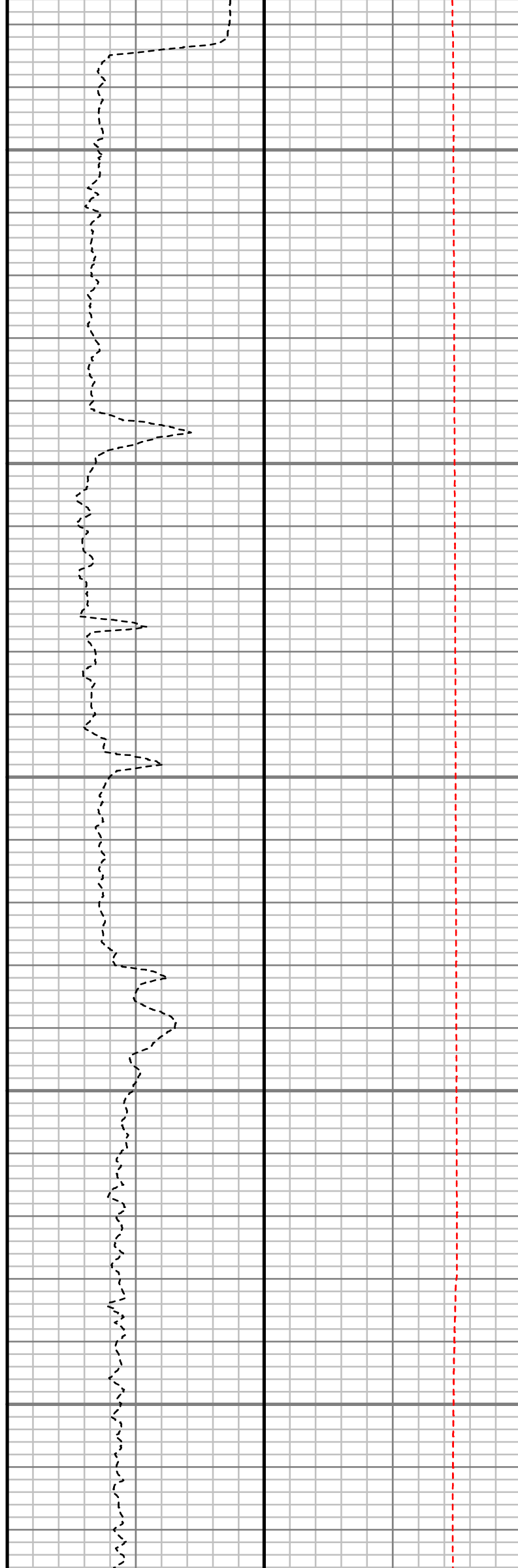
11650

11700

11750

11800

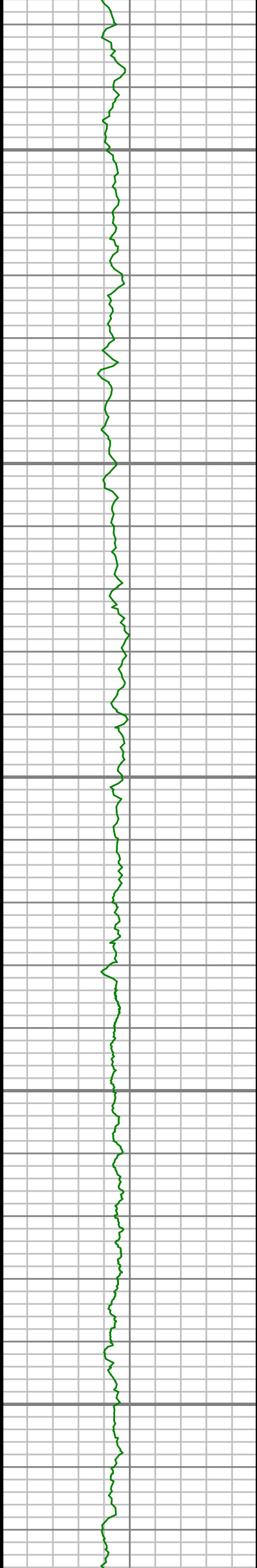
11850



S: 110 MD: 11628.00 ft  
Inc: 89.30 deg Az:  
359.90 deg TVD:  
7528.02 ft

S: 111 MD: 11722.00 ft  
Inc: 90.03 deg Az:  
359.23 deg TVD:  
7528.57 ft

S: 112 MD: 11816.00 ft  
Inc: 91.40 deg Az:  
359.46 deg TVD:  
7527.39 ft



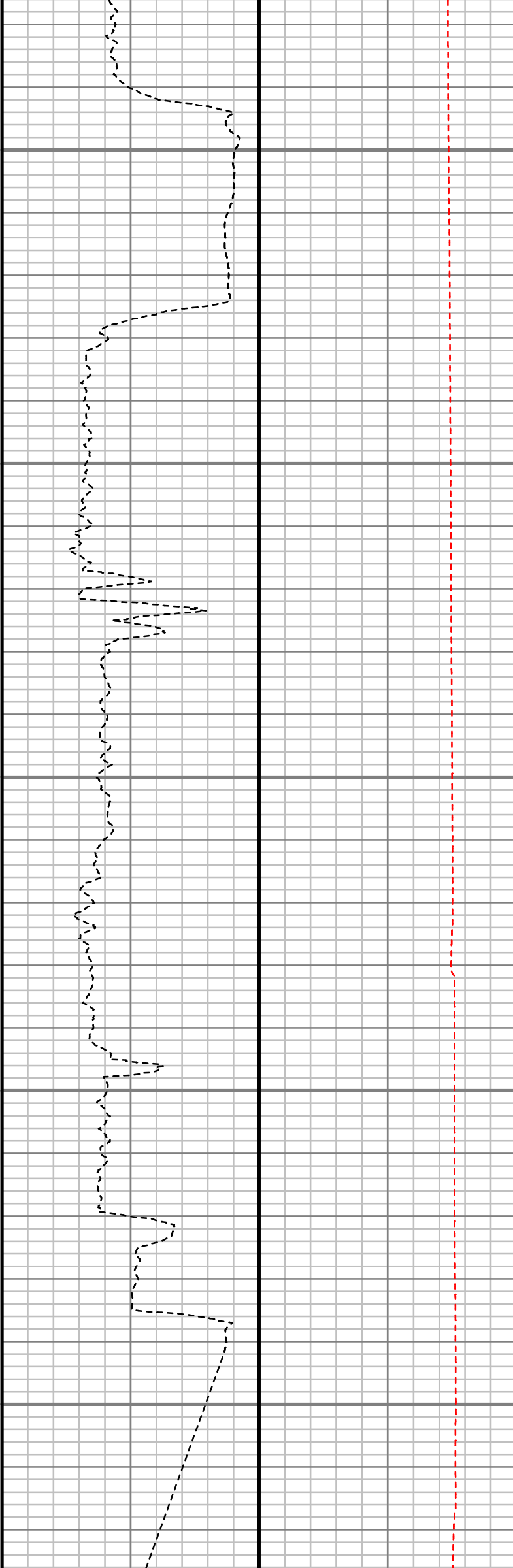
11900

11950

12000

12050

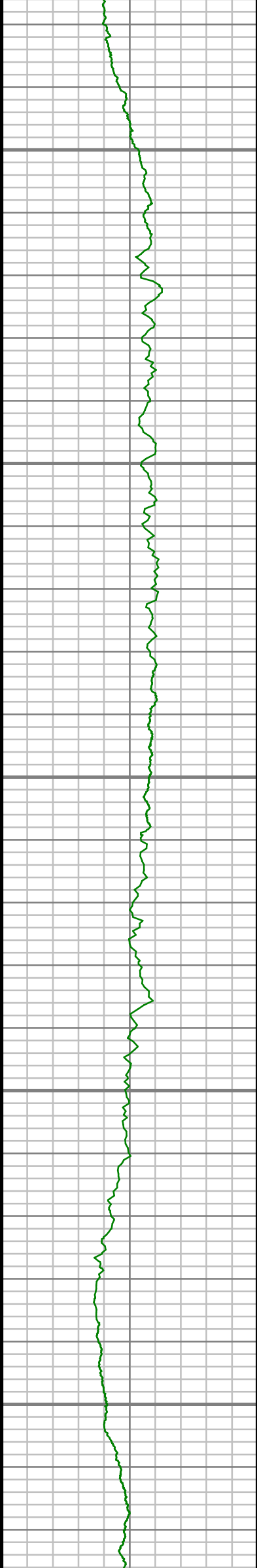
12100



S: 113 MD: 11910.00 ft  
Inc: 90.07 deg Az:  
359.29 deg TVD:  
7526.19 ft

S: 114 MD: 12005.00 ft  
Inc: 89.73 deg Az:  
359.36 deg TVD:  
7526.36 ft

S: 115 MD: 12098.00 ft  
Inc: 90.97 deg Az:  
358.18 deg TVD:  
7525.79 ft



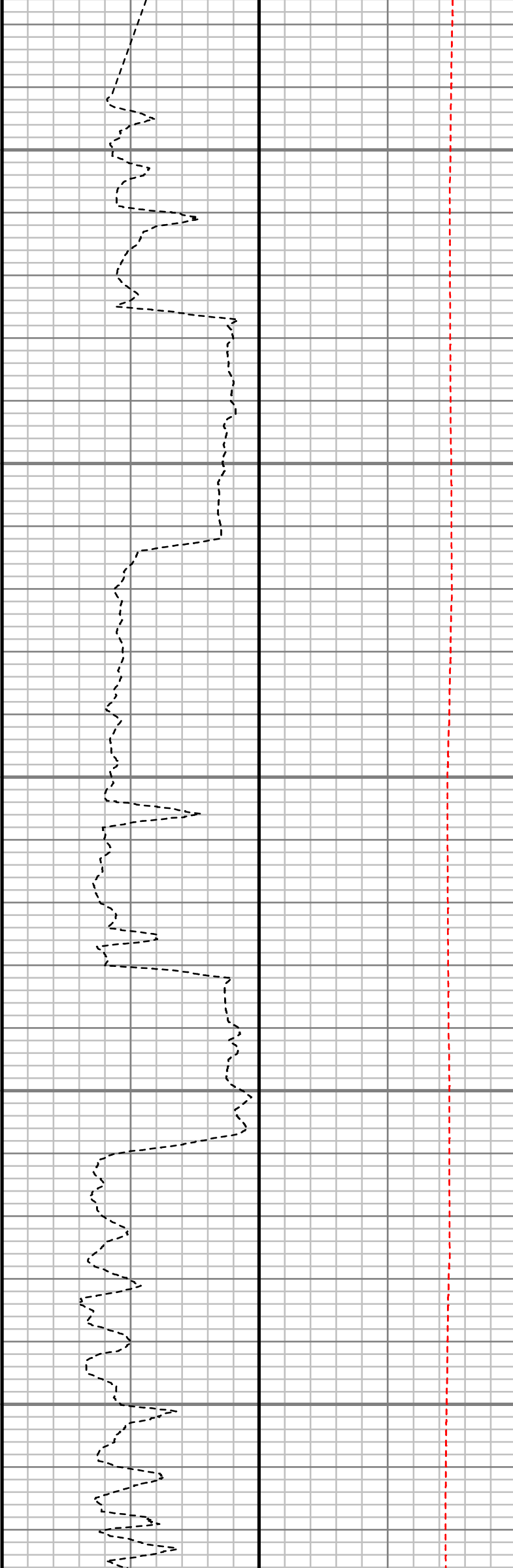
12150

12200

12250

12300

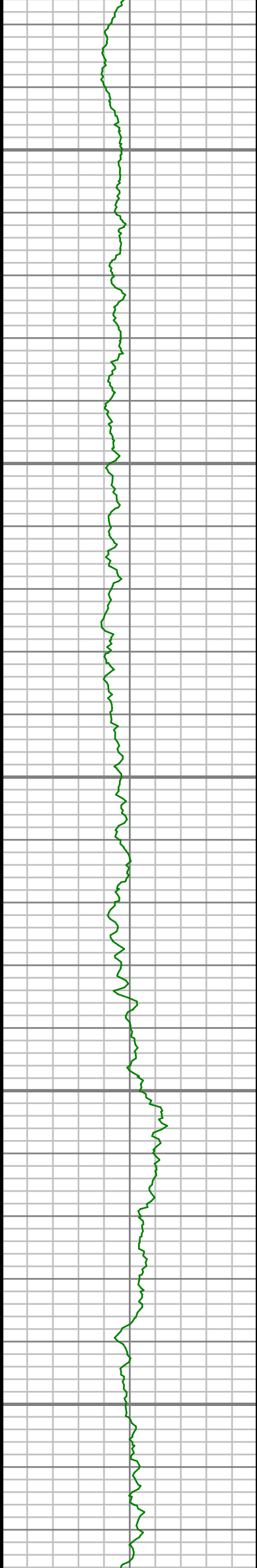
12350



S: 116 MD: 12195.00 ft  
Inc: 91.01 deg Az:  
357.04 deg TVD:  
7524.11 ft

S: 117 MD: 12289.00 ft  
Inc: 91.01 deg Az:  
357.19 deg TVD:  
7522.46 ft





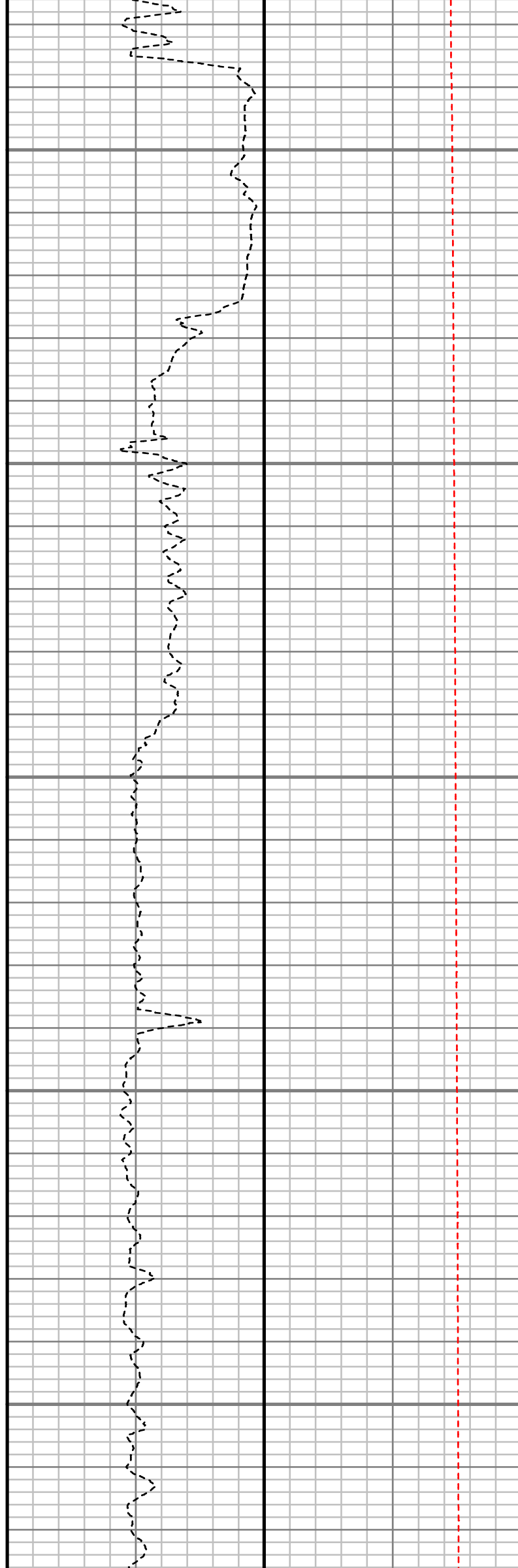
12400

12450

12500

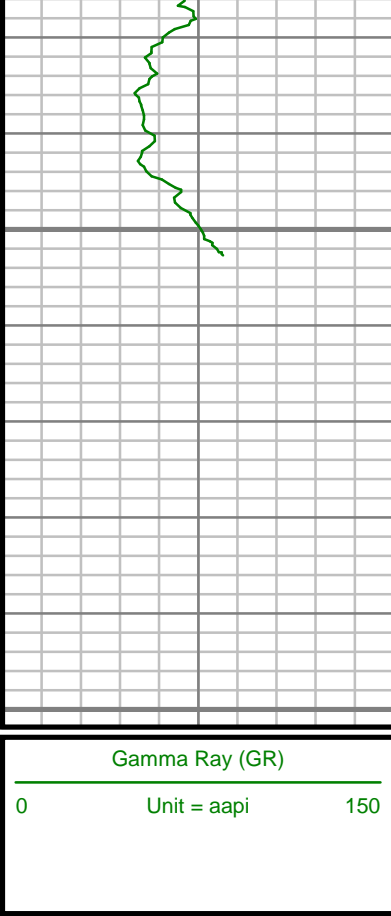
12550

12600



S: 118 MD: 12478.00 ft  
Inc: 90.20 deg Az:  
356.66 deg TVD:  
7520.46 ft

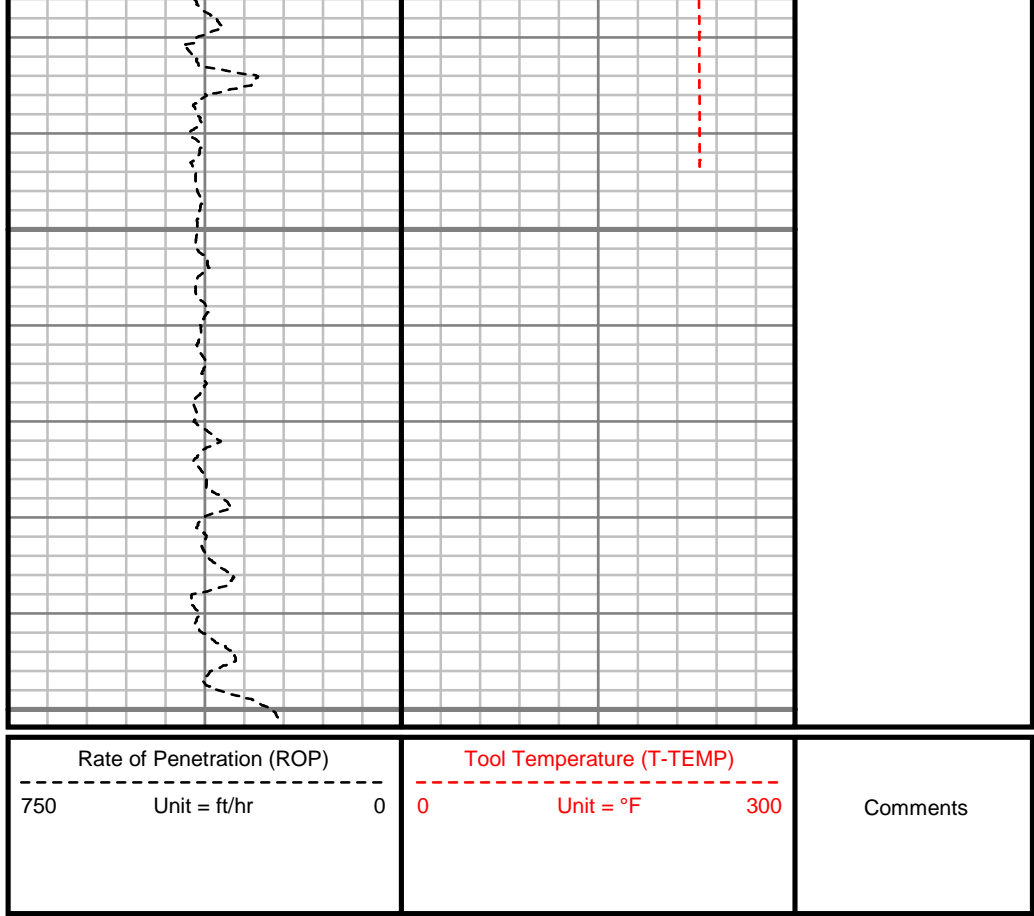




12650

12700

MEASURED DEPTH  
1:240 (ft)



Customer Name:	ANADARKO PETROLEUM CORP.
Site Name:	NRC 15-8HZ PAD
Well Name:	NRC 2N-8HZ
Survey:	NRC 2N-8HZ
Survey Date:	05/17/14
Magnetic Declination:	8.50 deg
North Reference:	True North
Calculation Method:	Minimum Curvature
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 0.00Azim (deg)

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
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
125.00	0.30	174.10	125.00	-0.26	-0.26	0.03	0.30
225.00	0.30	169.06	225.00	-0.78	-0.78	0.10	0.03
325.00	0.18	246.13	325.00	-1.10	-1.10	0.01	0.31
425.00	0.48	121.65	425.00	-1.38	-1.38	0.22	0.60
525.00	0.40	163.17	524.99	-1.94	-1.94	0.68	0.32
625.00	0.54	96.14	624.99	-2.32	-2.32	1.25	0.53
725.00	1.05	113.04	724.98	-2.73	-2.73	2.56	0.56

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
825.00	1.28	83.68	824.96	-2.96	-2.96	4.51	0.63
925.00	1.16	88.05	924.94	-2.81	-2.81	6.64	0.15
1025.00	1.17	92.58	1024.92	-2.82	-2.82	8.67	0.09
1125.00	0.69	98.08	1124.90	-2.95	-2.95	10.28	0.49
1193.00	0.86	66.42	1192.90	-2.80	-2.80	11.16	0.67
1283.00	0.56	61.52	1282.89	-2.32	-2.32	12.16	0.34
1375.00	2.26	216.20	1374.87	-3.57	-3.57	11.49	3.01
1467.00	3.68	208.76	1466.75	-7.62	-7.62	8.99	1.60
1573.00	4.94	203.74	1572.44	-14.78	-14.78	5.52	1.24
1665.00	7.03	191.26	1663.94	-23.93	-23.93	2.83	2.66
1757.00	7.49	184.63	1755.21	-35.42	-35.42	1.25	1.04
1848.00	8.03	177.37	1845.38	-47.68	-47.68	1.06	1.23
1940.00	8.77	171.79	1936.39	-61.04	-61.04	2.35	1.19
2032.00	9.46	171.56	2027.23	-75.46	-75.46	4.47	0.76
2124.00	11.35	178.92	2117.71	-91.99	-91.99	5.75	2.51
2215.00	11.97	185.74	2206.84	-110.34	-110.34	4.97	1.66
2307.00	11.52	178.68	2296.92	-129.02	-129.02	4.23	1.64
2397.00	12.22	174.43	2384.99	-147.49	-147.49	5.36	1.25
2488.00	12.88	178.39	2473.82	-167.22	-167.22	6.58	1.19
2671.00	12.86	182.30	2652.22	-207.96	-207.96	6.34	0.48

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
2762.00	13.06	181.55	2740.91	-228.36	-228.36	5.65	0.28
2945.00	11.90	186.69	2919.59	-267.76	-267.76	2.89	0.88
3037.00	13.13	188.69	3009.40	-287.51	-287.51	0.21	1.42
3128.00	11.19	186.05	3098.35	-306.51	-306.51	-2.28	2.22
3220.00	11.26	189.99	3188.60	-324.23	-324.23	-4.78	0.84
3312.00	12.69	187.01	3278.59	-343.10	-343.10	-7.57	1.70
3406.00	11.24	188.32	3370.55	-362.41	-362.41	-10.16	1.57
3689.00	12.29	187.18	3647.60	-419.58	-419.58	-17.92	0.38
3784.00	11.51	185.85	3740.56	-439.04	-439.04	-20.15	0.87
3972.00	11.95	184.26	3924.63	-477.12	-477.12	-23.51	0.29
4067.00	8.86	179.18	4018.06	-494.25	-494.25	-24.13	3.39
4255.00	10.37	177.00	4203.41	-525.63	-525.63	-23.04	0.83
4350.00	11.71	184.33	4296.66	-543.79	-543.79	-23.32	2.04
4444.00	13.02	183.03	4388.47	-563.88	-563.88	-24.60	1.43
4539.00	11.22	185.72	4481.35	-583.77	-583.77	-26.08	1.99
4727.00	11.72	182.83	4665.60	-621.04	-621.04	-28.85	0.41
4821.00	9.97	180.57	4757.92	-638.71	-638.71	-29.40	1.92
4916.00	10.56	181.80	4851.40	-655.63	-655.63	-29.76	0.66
5010.00	11.97	176.51	4943.59	-673.97	-673.97	-29.43	1.86

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
5105.00	11.20	179.00	5036.65	-693.02	-693.02	-28.67	0.97
5199.00	10.14	175.40	5129.03	-710.40	-710.40	-27.85	1.33
5388.00	12.50	182.68	5314.34	-747.43	-747.43	-27.47	1.45
5482.00	12.13	184.92	5406.18	-767.42	-767.42	-28.80	0.64
5671.00	9.62	189.72	5591.78	-802.78	-802.78	-33.17	1.41
5860.00	9.35	197.31	5778.20	-833.00	-833.00	-40.40	0.68
6049.00	9.20	191.91	5964.74	-862.43	-862.43	-48.08	0.47
6237.00	10.59	188.86	6149.94	-894.20	-894.20	-53.85	0.79
6332.00	9.35	191.84	6243.50	-910.38	-910.38	-56.78	1.41
6520.00	3.47	188.54	6430.24	-930.98	-930.98	-60.76	3.14
6614.00	2.42	183.96	6524.12	-935.77	-935.77	-61.32	1.14
6708.00	1.59	186.77	6618.06	-939.04	-939.04	-61.61	0.89
6803.00	0.64	180.93	6713.04	-940.88	-940.88	-61.77	1.00
6897.00	0.47	102.42	6807.04	-941.49	-941.49	-61.41	0.76
6944.00	4.07	30.90	6854.00	-940.10	-940.10	-60.36	8.41
6992.00	8.25	11.15	6901.71	-935.25	-935.25	-58.82	9.63
7039.00	12.05	1.65	6947.97	-927.04	-927.04	-58.03	8.81
7086.00	15.32	359.21	6993.63	-915.92	-915.92	-57.97	7.07
7133.00	18.38	1.43	7038.61	-902.30	-902.30	-57.87	6.64
7180.00	21.41	2.40	7082.80	-886.32	-886.32	-57.33	6.48

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
7227.00	23.50	0.43	7126.24	-868.38	-868.38	-56.90	4.73
7275.00	27.72	2.66	7169.51	-847.65	-847.65	-56.31	9.03
7322.00	32.92	1.34	7210.07	-823.94	-823.94	-55.50	11.16
7369.00	37.82	1.09	7248.38	-796.75	-796.75	-54.93	10.42
7416.00	42.10	0.55	7284.40	-766.57	-766.57	-54.50	9.13
7463.00	46.18	359.00	7318.12	-733.85	-733.85	-54.65	8.98
7510.00	49.09	357.60	7349.79	-699.14	-699.14	-55.69	6.57
7558.00	53.36	358.87	7379.84	-661.75	-661.75	-56.83	9.13
7605.00	58.01	0.03	7406.33	-622.94	-622.94	-57.19	10.11
7652.00	60.27	2.06	7430.44	-582.61	-582.61	-56.45	6.07
7699.00	63.11	2.22	7452.73	-541.26	-541.26	-54.90	6.06
7747.00	68.12	0.19	7472.54	-497.57	-497.57	-54.00	11.13
7794.00	71.59	359.48	7488.72	-453.45	-453.45	-54.13	7.52
7841.00	76.50	359.38	7501.64	-408.28	-408.28	-54.58	10.44
7888.00	80.77	0.55	7510.90	-362.21	-362.21	-54.60	9.40
8044.00	87.59	359.24	7526.72	-207.12	-207.12	-54.90	4.45
8327.00	90.50	3.56	7531.45	75.66	75.66	-48.00	1.84
8421.00	89.90	3.16	7531.12	169.50	169.50	-42.49	0.77
8609.00	90.94	2.48	7529.74	357.27	357.27	-33.25	0.66

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
8703.00	90.13	0.88	7528.87	451.22	451.22	-30.50	1.90
8798.00	90.57	1.61	7528.28	546.19	546.19	-28.44	0.89
8986.00	89.93	0.74	7527.46	734.15	734.15	-24.59	0.57
9081.00	90.37	0.05	7527.20	829.14	829.14	-23.93	0.85
9175.00	90.80	0.30	7526.24	923.14	923.14	-23.64	0.53
9363.00	91.74	358.77	7522.07	1111.08	1111.08	-25.18	0.96
9552.00	90.57	358.20	7518.26	1299.97	1299.97	-30.18	0.69
9690.00	90.23	357.42	7517.29	1437.86	1437.86	-35.45	0.61
9929.00	90.10	358.15	7516.59	1676.68	1676.68	-44.67	0.31
10024.00	89.63	0.09	7516.81	1771.67	1771.67	-46.13	2.10
10117.00	90.37	1.69	7516.81	1864.65	1864.65	-44.68	1.90
10212.00	89.80	1.82	7516.67	1959.61	1959.61	-41.77	0.62
10400.00	88.50	2.82	7519.47	2147.43	2147.43	-34.17	0.87
10495.00	88.42	1.72	7522.02	2242.32	2242.32	-30.41	1.16
10684.00	90.67	1.17	7523.52	2431.24	2431.24	-25.65	1.22
10778.00	90.37	2.15	7522.66	2525.19	2525.19	-22.93	1.09
10872.00	88.79	0.89	7523.35	2619.15	2619.15	-20.43	2.15
10967.00	90.07	0.63	7524.30	2714.14	2714.14	-19.18	1.37
11061.00	89.70	0.67	7524.49	2808.13	2808.13	-18.11	0.40
11156.00	89.56	0.82	7525.10	2903.12	2903.12	-16.87	0.21





GAMMA RAY

5" = 100' FEET MD