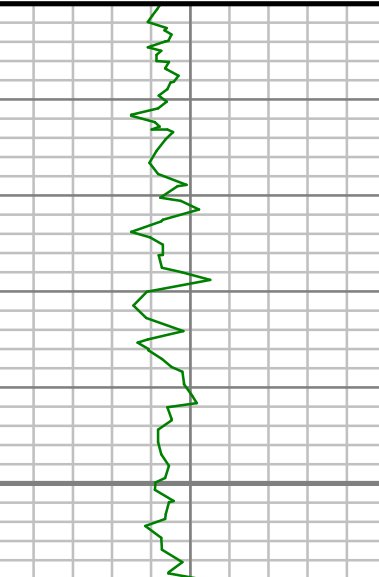
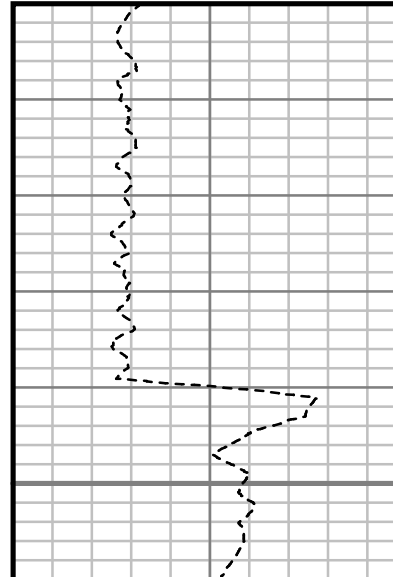
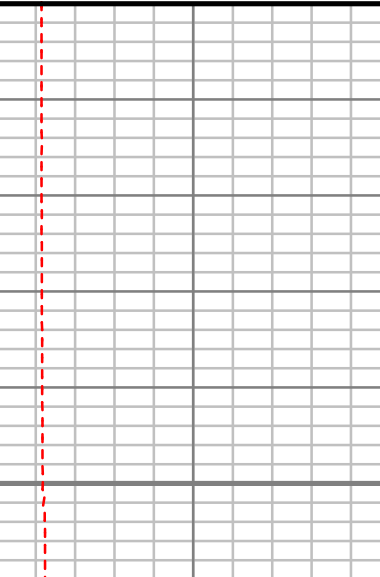
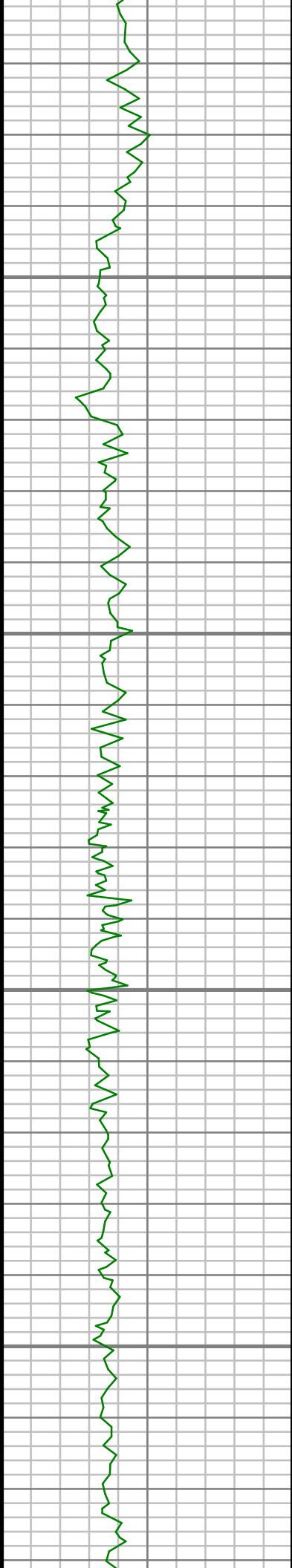


Remarks
ANADARKO PETROLEUM CORP. PRODUCTION AFE#
SCIENTIFIC DRILLING INTERNATIONAL JOB# 134262
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN # 1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-287 / CONT = 590 / MWD EYE =386 / GAMMA RAY =1031
BIT TO SENSOR OFFSETS: SURVEY = 62.77 FT. / GAMMA RAY = 53.52 FT.
RUN # 2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 078-070 / CONT = 819 / MWD EYE = 298 / GAMMA RAY =1101
BIT TO SENSOR OFFSETS: SURVEY = 57.91 FT. / GAMMA RAY = 48.66 FT.
SURVEY WELL NOTES:
SURVEYS FROM 0.0 FT. TO 1258 FT. WERE ACQUIRED BY MS GYRO MWD.
SURVEYS FROM 1258 FT. TO 12722 FT. WERE ACQUIRED BY SCIENTIFIC DRILLING INTERNATIONAL MWD.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION
T-TEMP = TOOL TEMPERATURE

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 28N-8HZ WATTENBERG FIELD WELD COUNTY, COLORADO 05-123-38947				
<div>Gamma Ray (GR)</div> <div>0Unit = aapi150</div> <div></div>	<div>MEASURED DEPTH 1:240 (ft)</div> <div>4250</div>	<div>Rate of Penetration (ROP)</div> <div>700Unit = ft/hr0</div> <div></div>	<div>Tool Temperature (T-TEMP)</div> <div>100Unit = °F300</div> <div></div>	<div>Comments</div> <div>S: 43 MD: 4247.00 ft Inc: 10.70 deg Az: 178.63 deg TVD: 4195.76 ft</div>

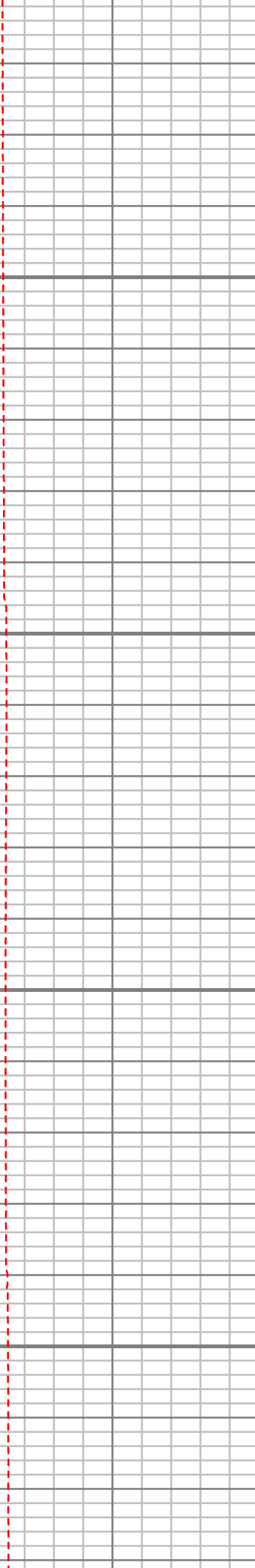
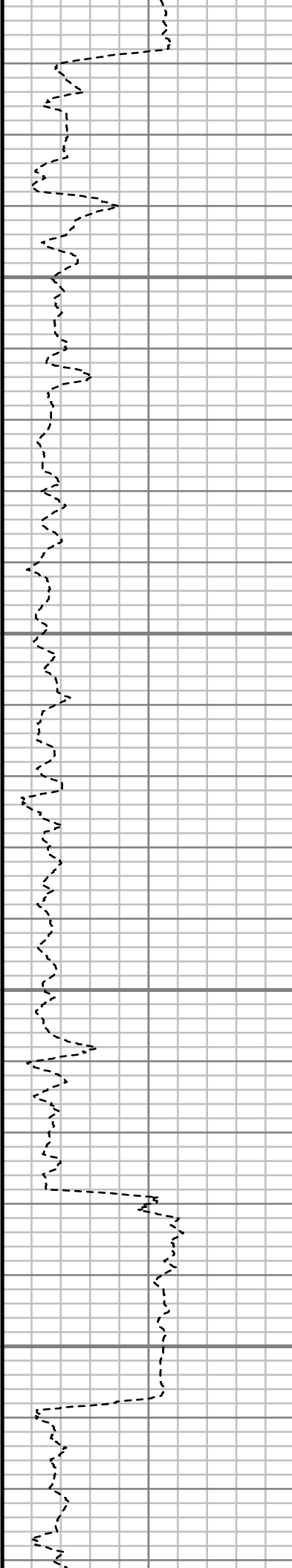


4300

4350

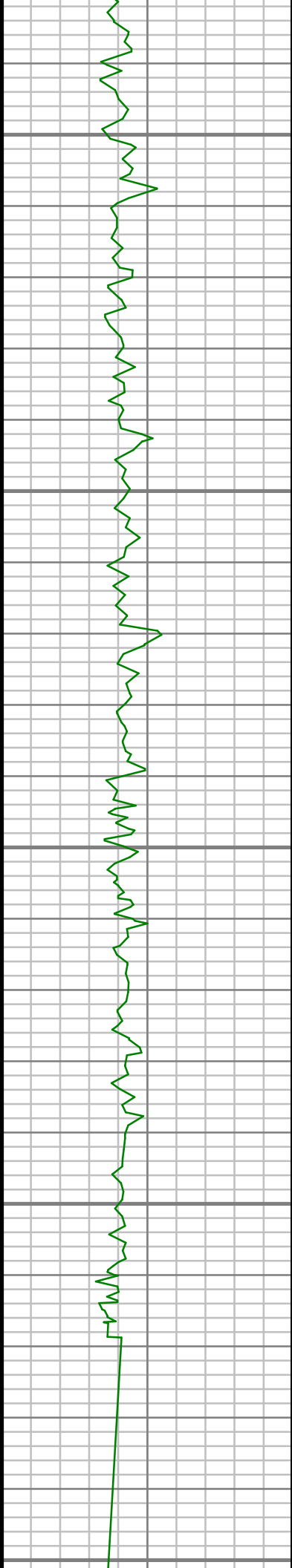
4400

4450



S: 44 MD: 4341.00 ft
Inc: 11.47 deg Az:
184.22 deg TVD:
4288.00 ft

S: 45 MD: 4436.00 ft
Inc: 11.75 deg Az:
187.14 deg TVD:
4381.06 ft



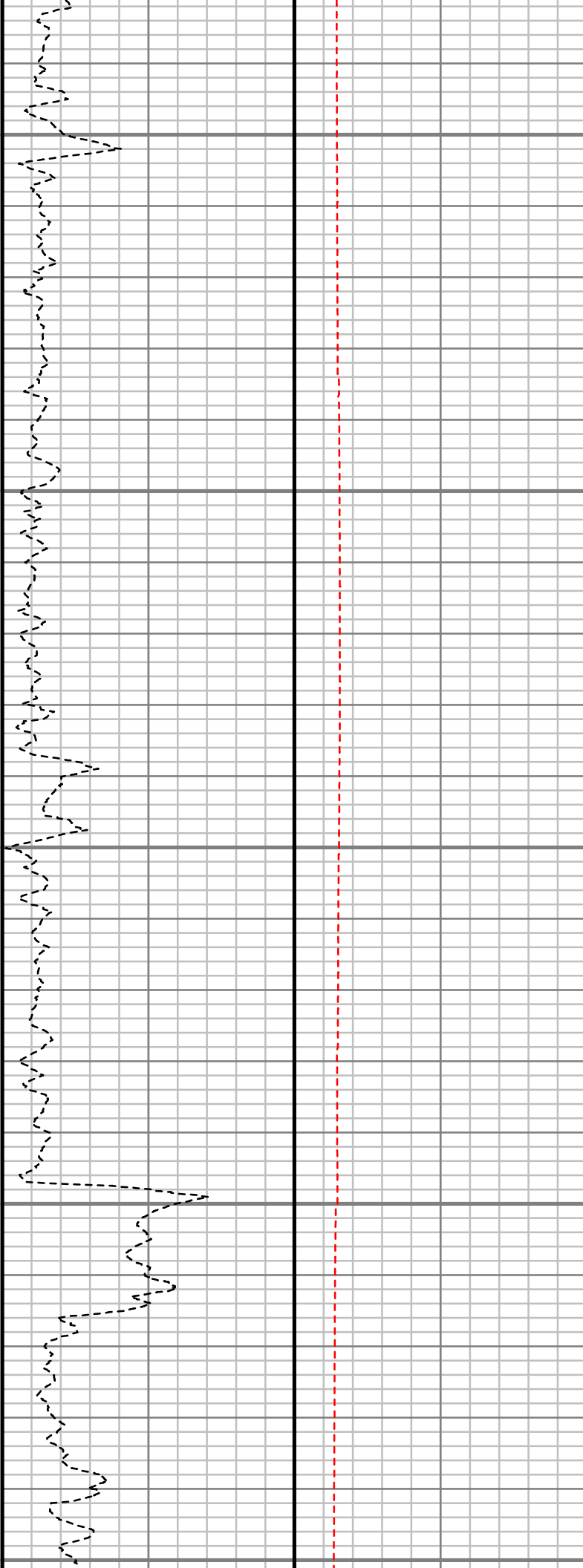
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4550

4600

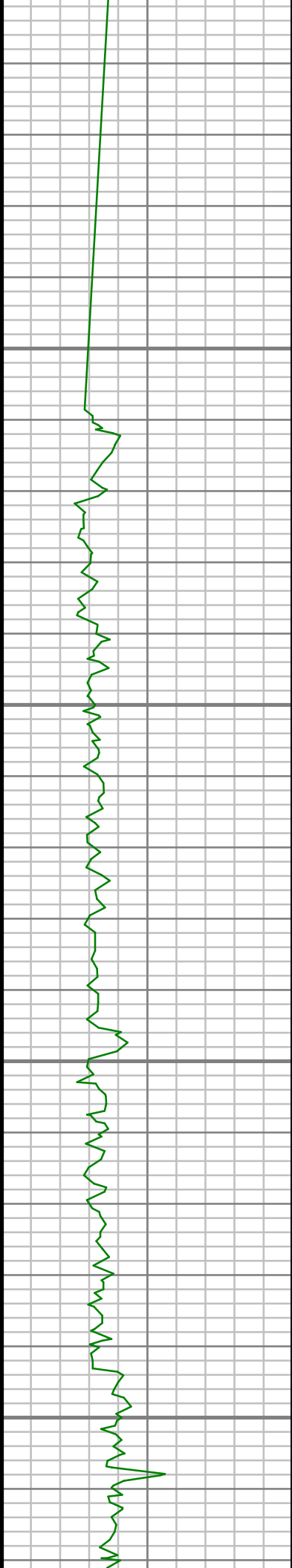
4650

4700



S: 46 MD: 4530.00 ft
Inc: 12.38 deg Az:
186.51 deg TVD:
4472.98 ft

S: 47 MD: 4624.00 ft
Inc: 9.28 deg Az:
185.12 deg TVD:
4565.30 ft

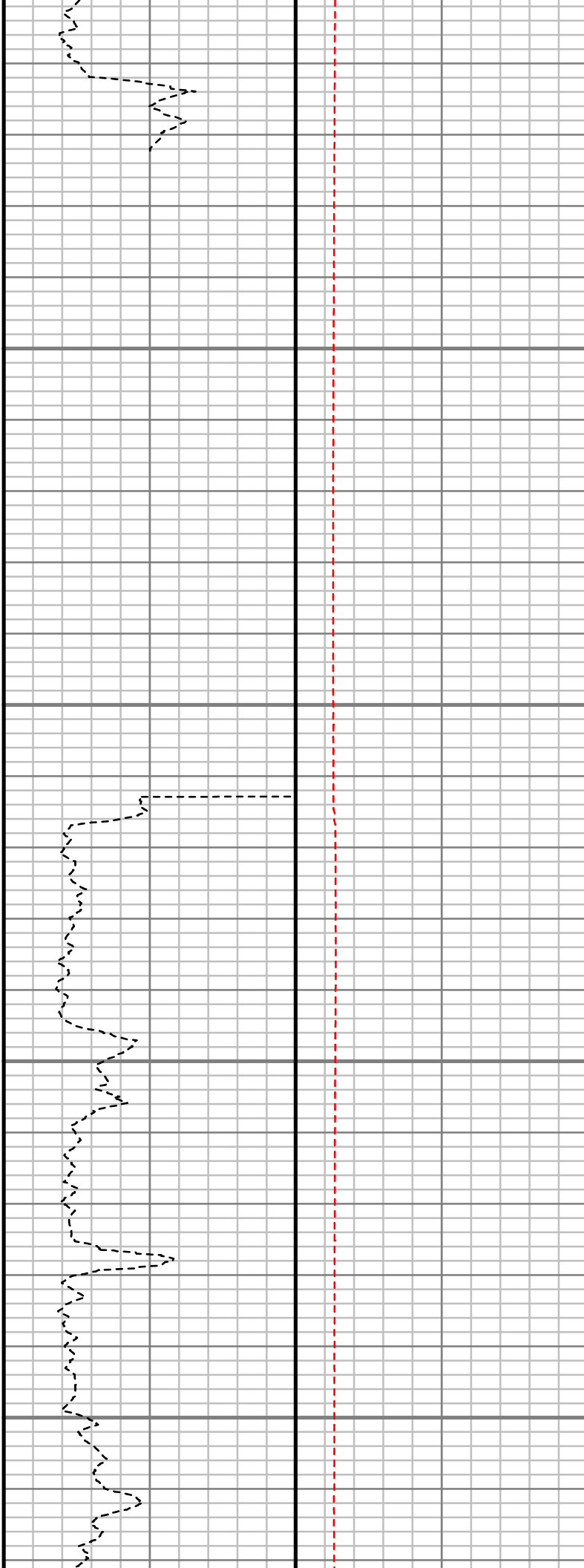


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4800

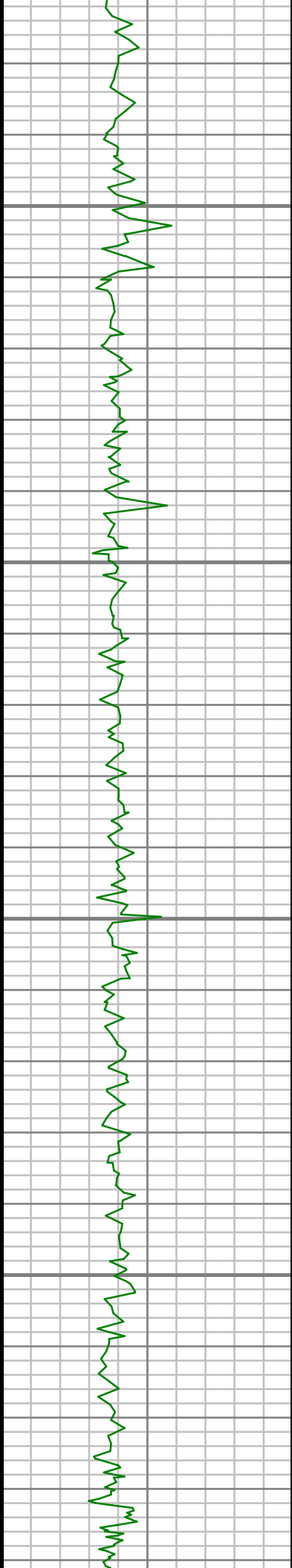
4850

4900



S: 48 MD: 4813.00 ft
Inc: 13.39 deg Az:
171.47 deg TVD:
4750.60 ft

S: 49 MD: 4907.00 ft
Inc: 13.91 deg Az:
168.75 deg TVD:
4841.95 ft

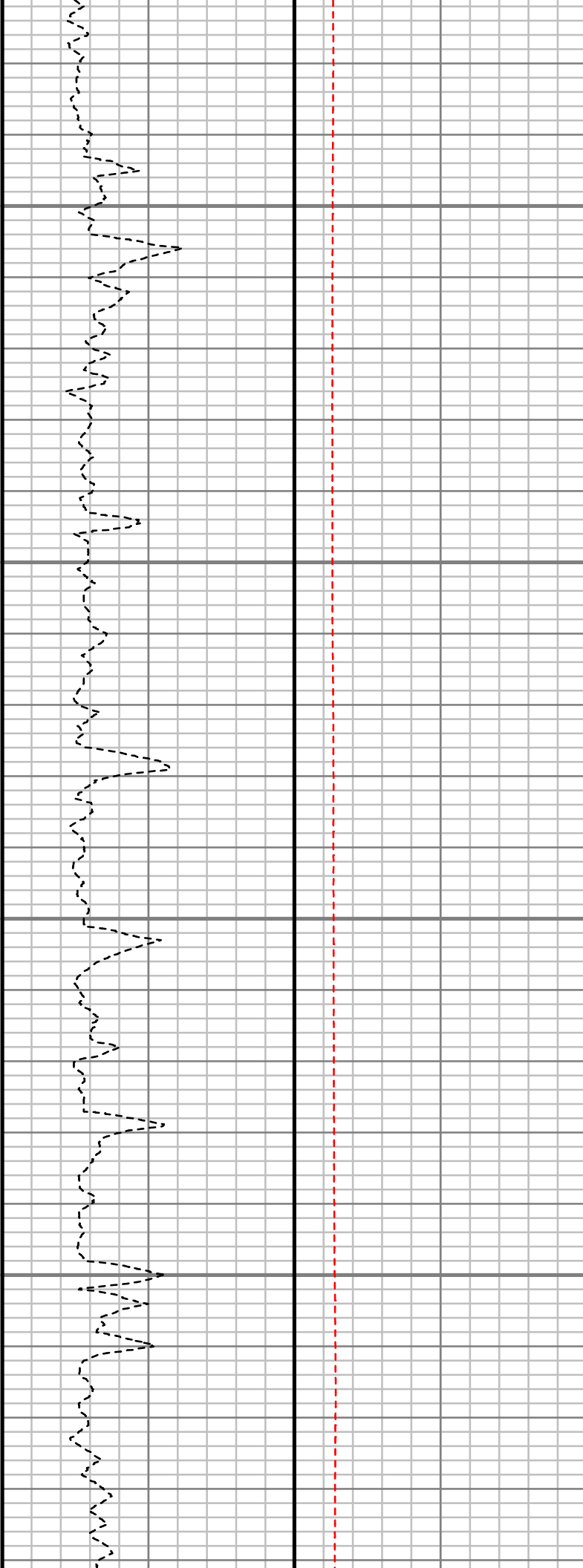


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5000

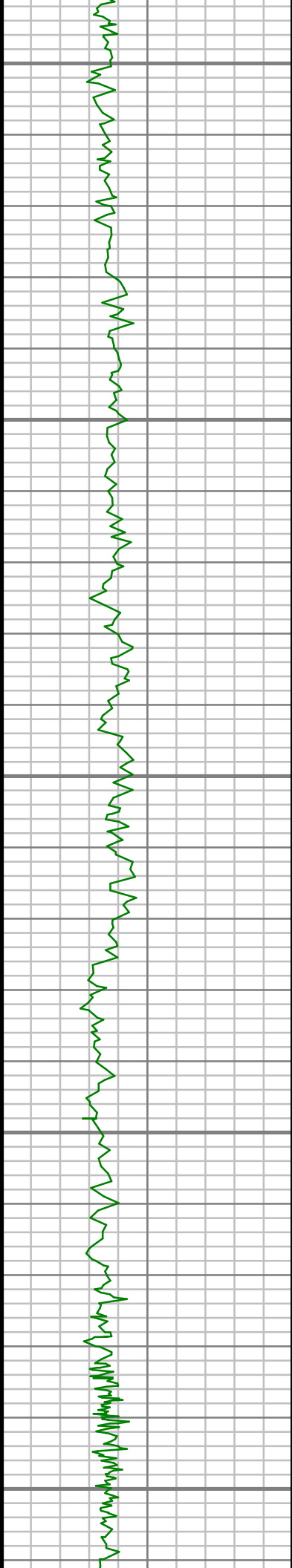
5050

5100



S: 50 MD: 5002.00 ft
Inc: 12.37 deg Az:
168.81 deg TVD:
4934.46 ft

S: 51 MD: 5096.00 ft
Inc: 10.72 deg Az:
167.14 deg TVD:
5026.55 ft



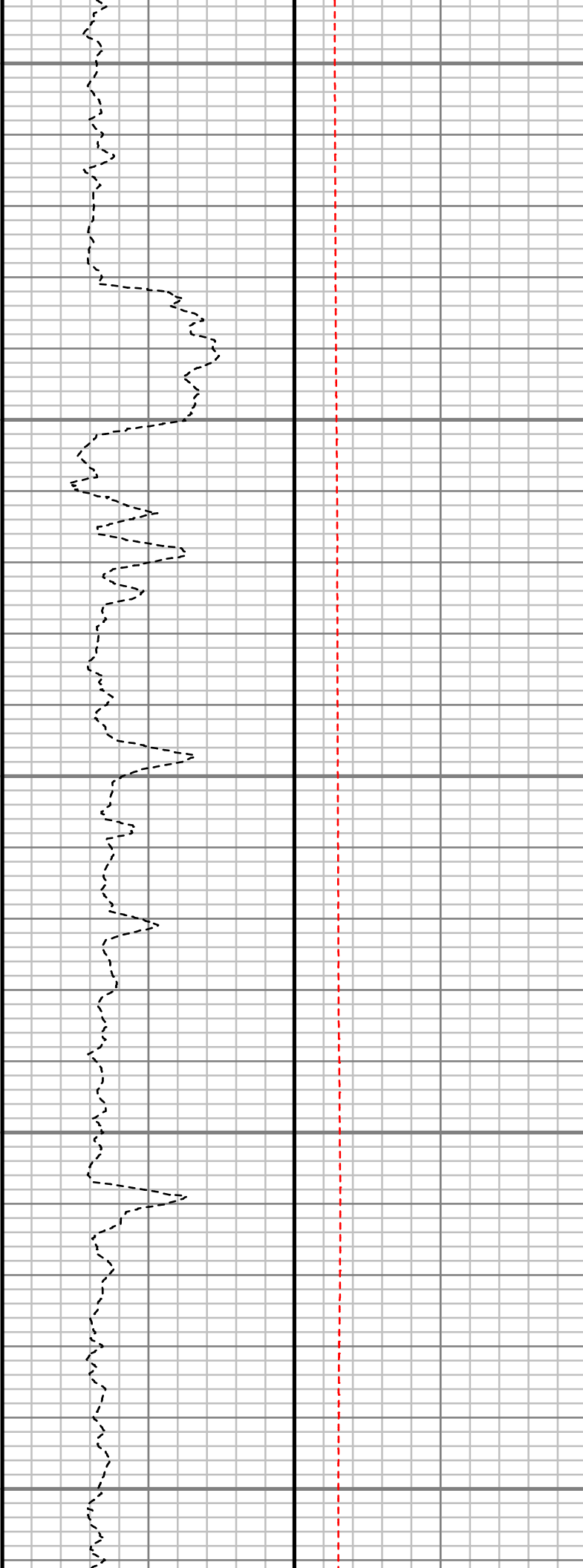
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5200

5250

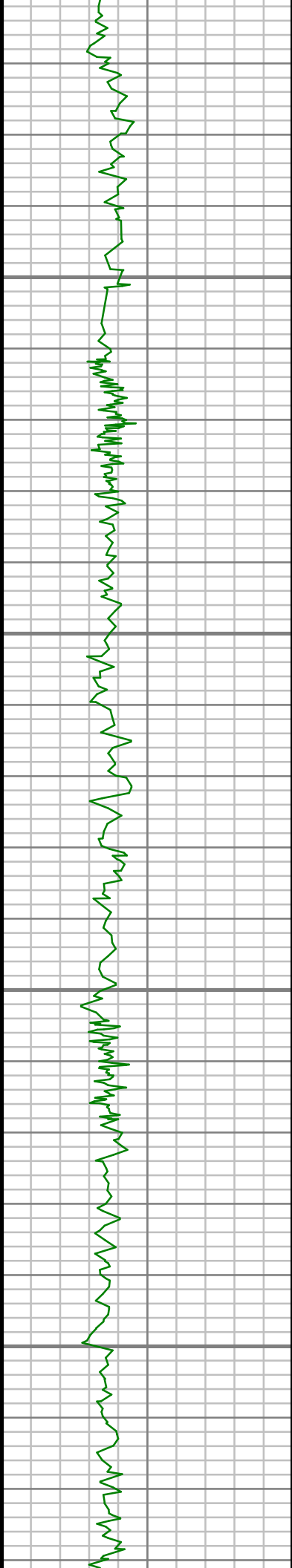
5300

5350



S: 52 MD: 5190.00 ft
Inc: 10.55 deg Az:
166.06 deg TVD:
5118.94 ft

S: 53 MD: 5285.00 ft
Inc: 9.87 deg Az:
168.91 deg TVD:
5212.44 ft

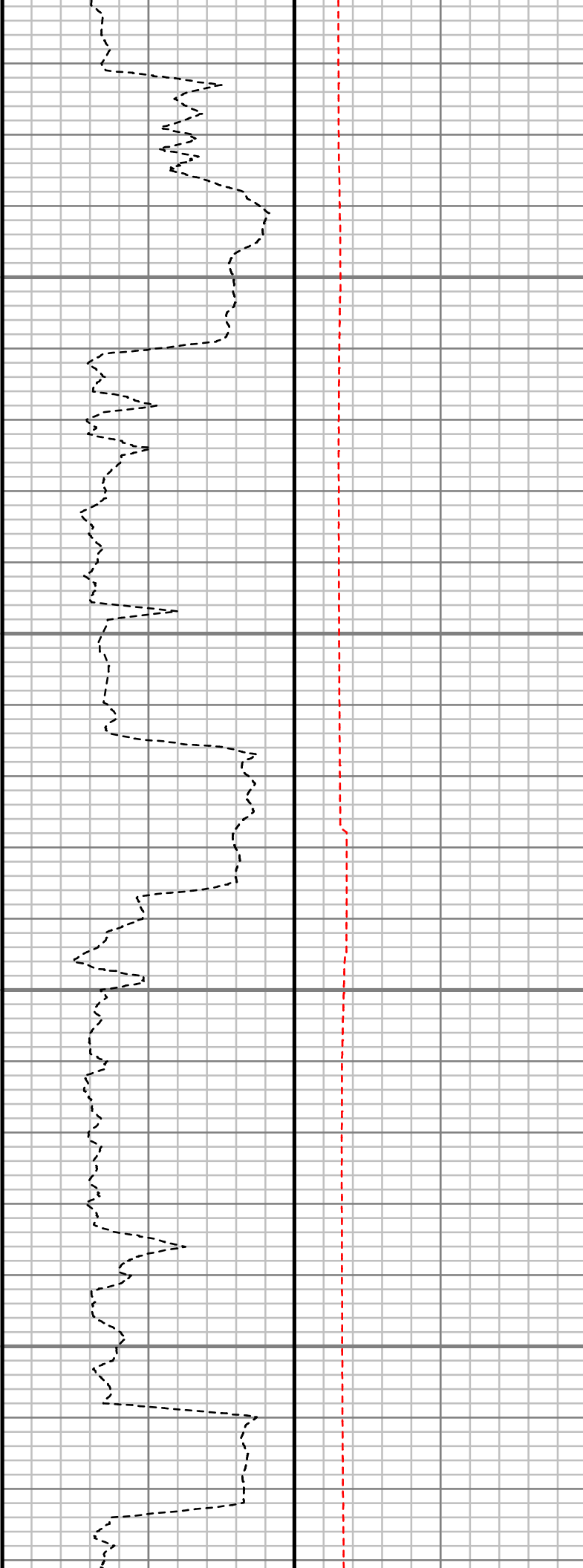


5400

5450

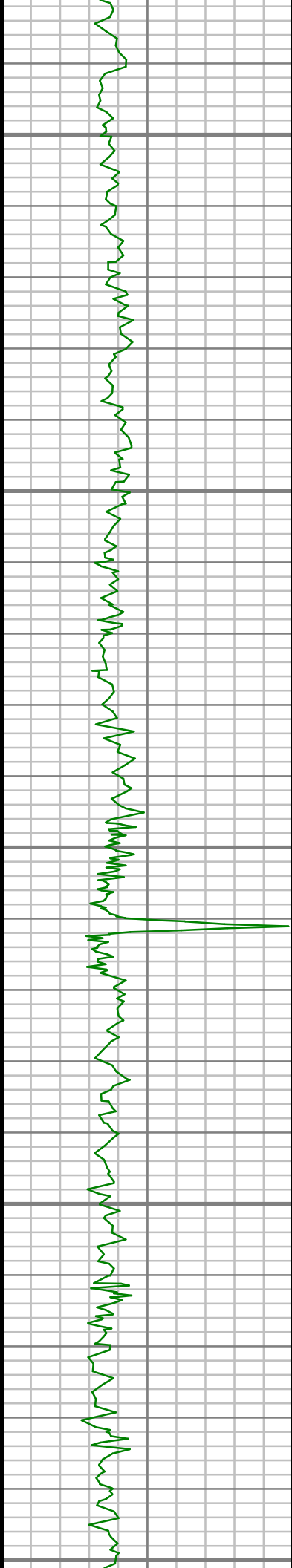
5500

5550



S: 54 MD: 5474.00 ft
Inc: 10.23 deg Az:
182.79 deg TVD:
5398.56 ft

S: 55 MD: 5568.00 ft
Inc: 11.51 deg Az:
179.36 deg TVD:
5490.87 ft



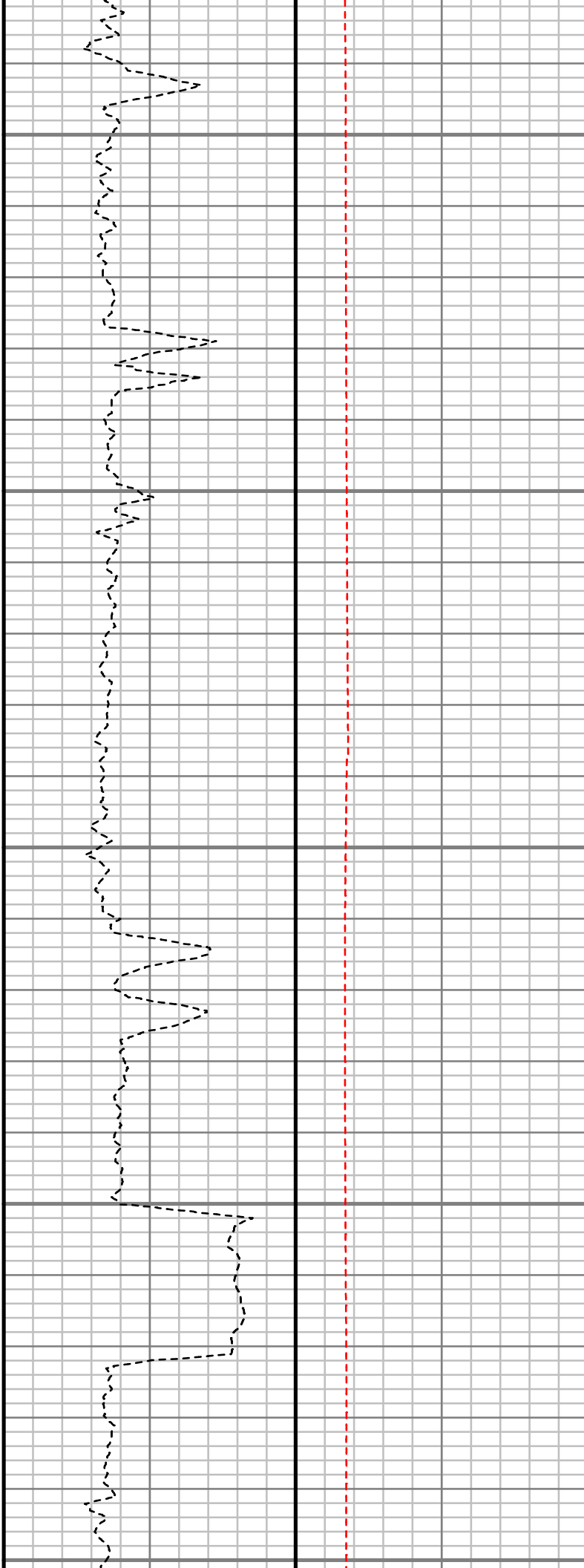
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5650

5700

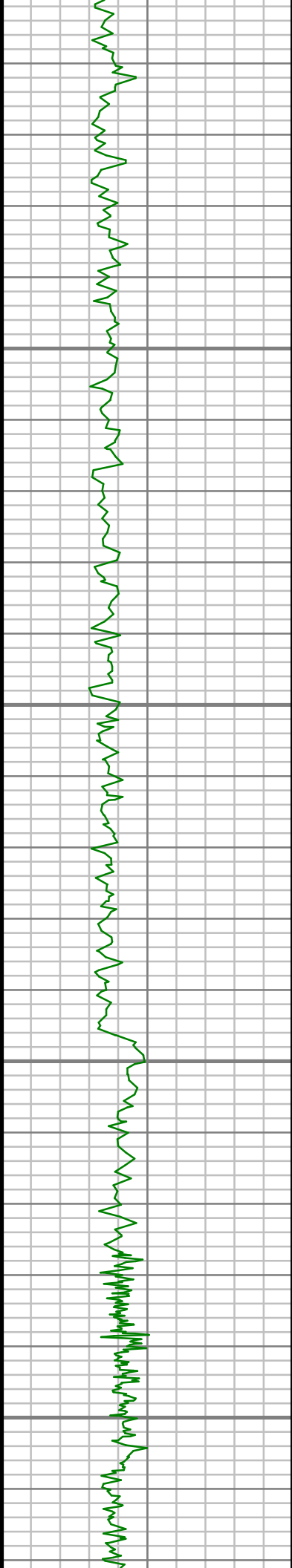
5750

5800



S: 56 MD: 5662.00 ft
Inc: 10.36 deg Az:
176.16 deg TVD:
5583.17 ft

S: 57 MD: 5757.00 ft
Inc: 10.45 deg Az:
179.08 deg TVD:
5676.61 ft

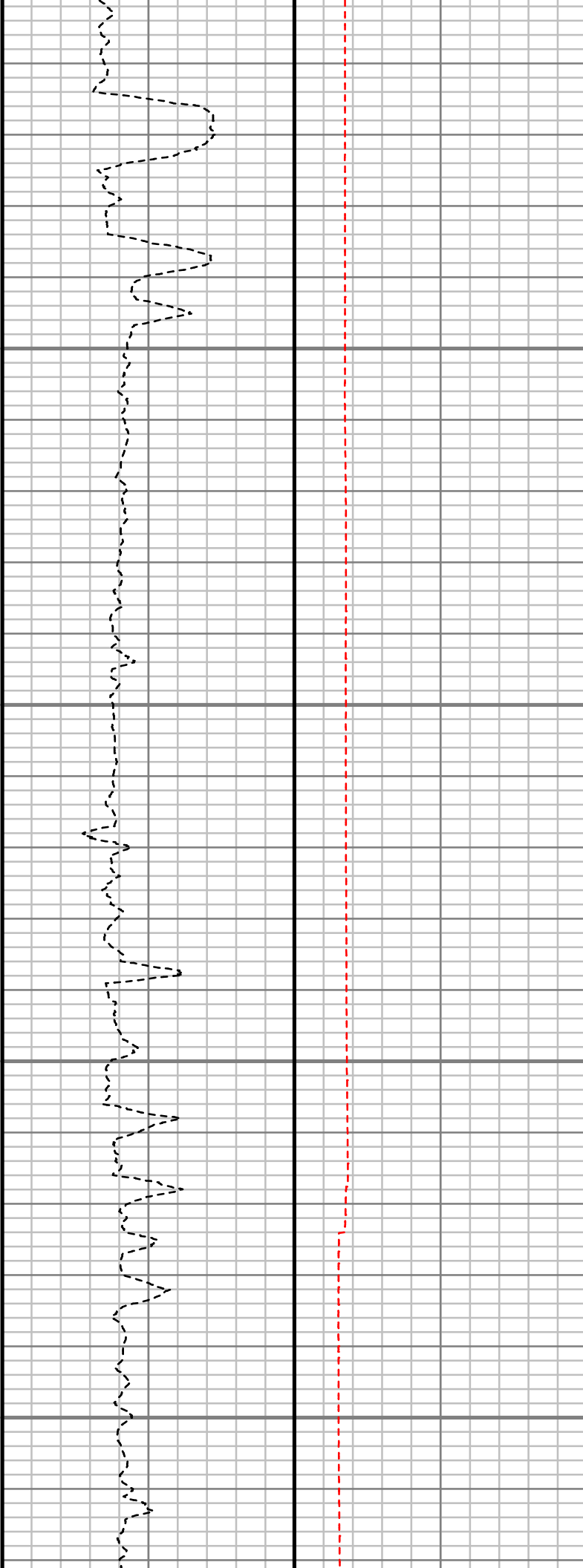


5850

5900

5950

6000



S: 58 MD: 5946.00 ft
Inc: 7.76 deg Az:
175.78 deg TVD:
5863.21 ft

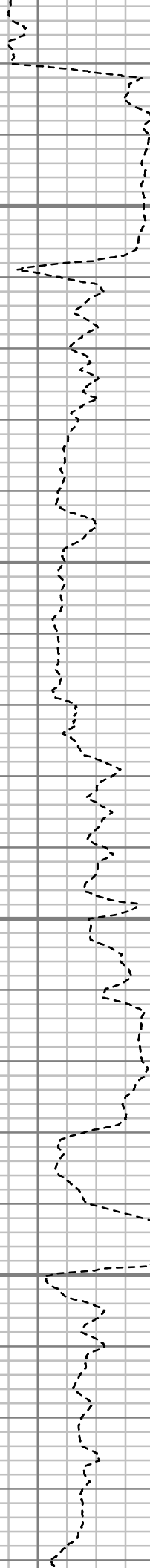


6050

6100

6150

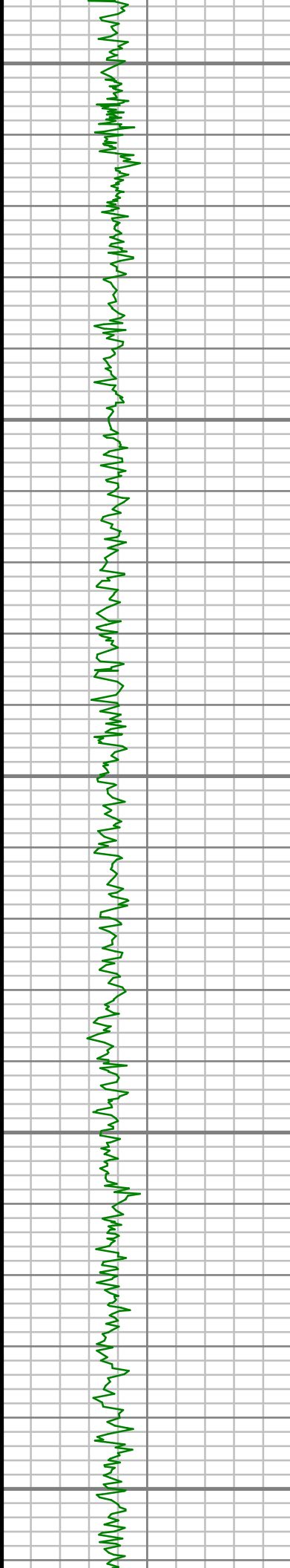
6200



S: 59 MD: 6040.00 ft
Inc: 8.53 deg Az:
172.45 deg TVD:
5956.26 ft

S: 60 MD: 6134.00 ft
Inc: 8.38 deg Az:
169.08 deg TVD:
6049.24 ft

S: 61 MD: 6228.00 ft
Inc: 9.15 deg Az:
161.44 deg TVD:
6142.14 ft



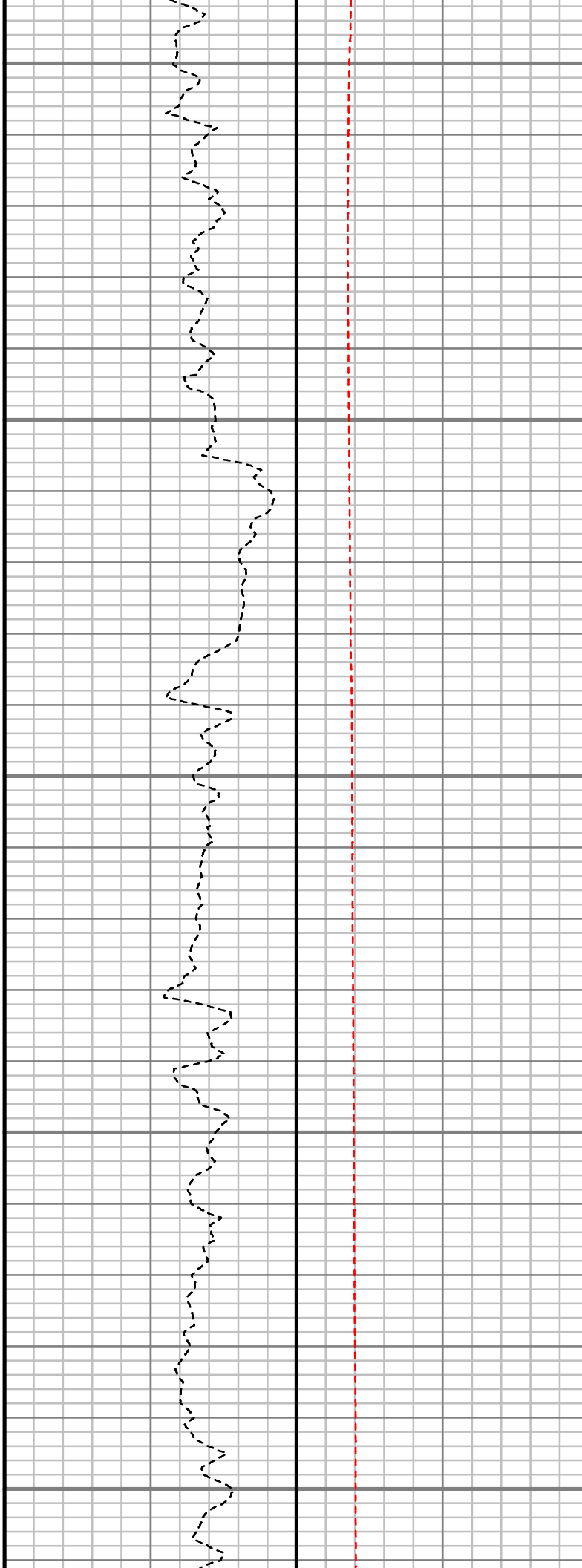
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6300

6350

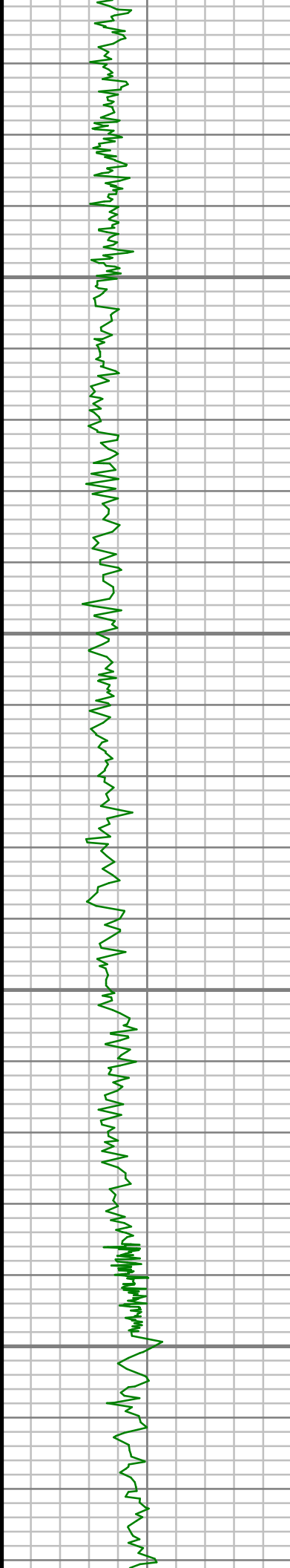
6400

6450



S: 62 MD: 6322.00 ft
Inc: 9.42 deg Az:
160.87 deg TVD:
6234.91 ft

S: 63 MD: 6417.00 ft
Inc: 7.80 deg Az:
157.51 deg TVD:
6328.84 ft

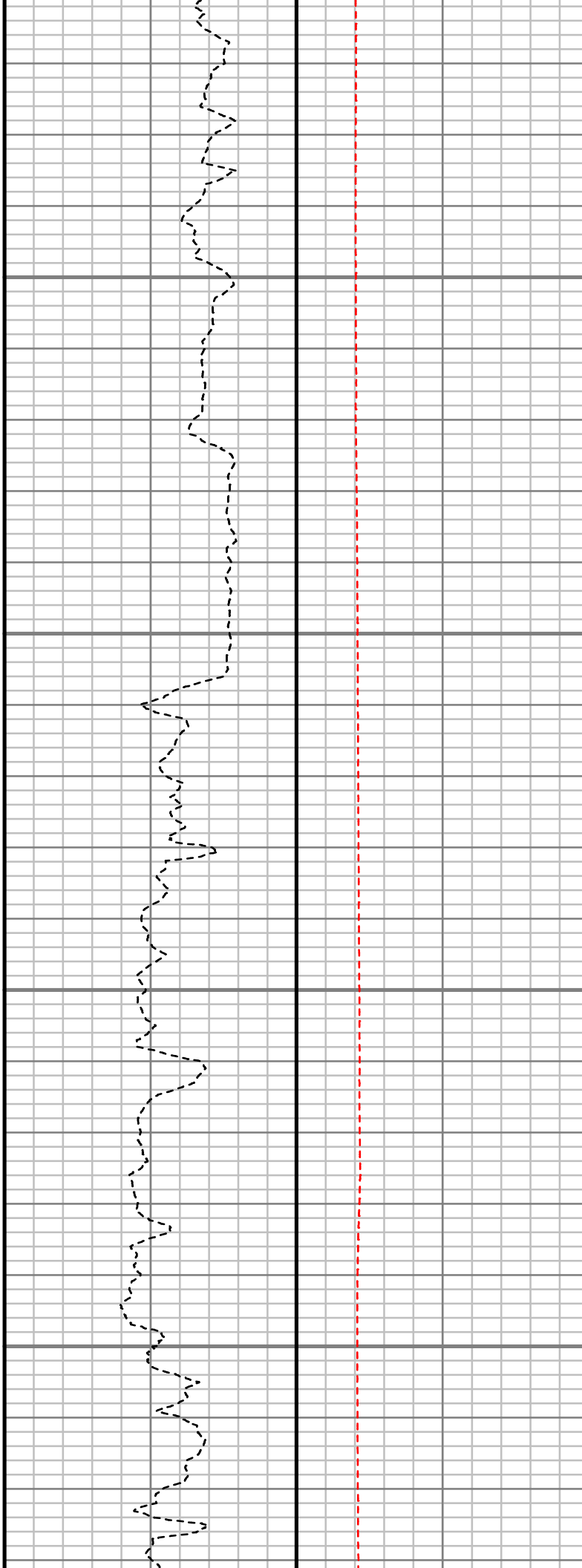


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6550

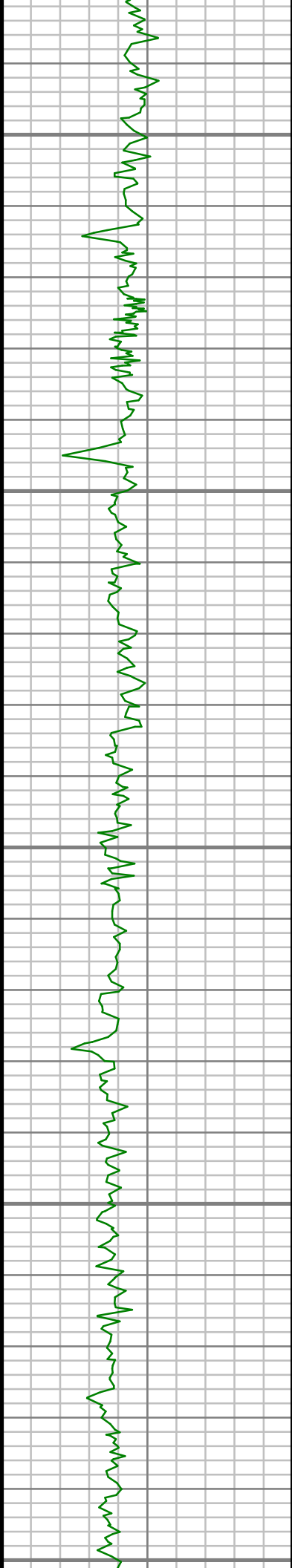
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6650



S: 64 MD: 6511.00 ft
Inc: 6.47 deg Az:
152.49 deg TVD:
6422.11 ft

S: 65 MD: 6606.00 ft
Inc: 5.00 deg Az:
153.17 deg TVD:
6516.63 ft



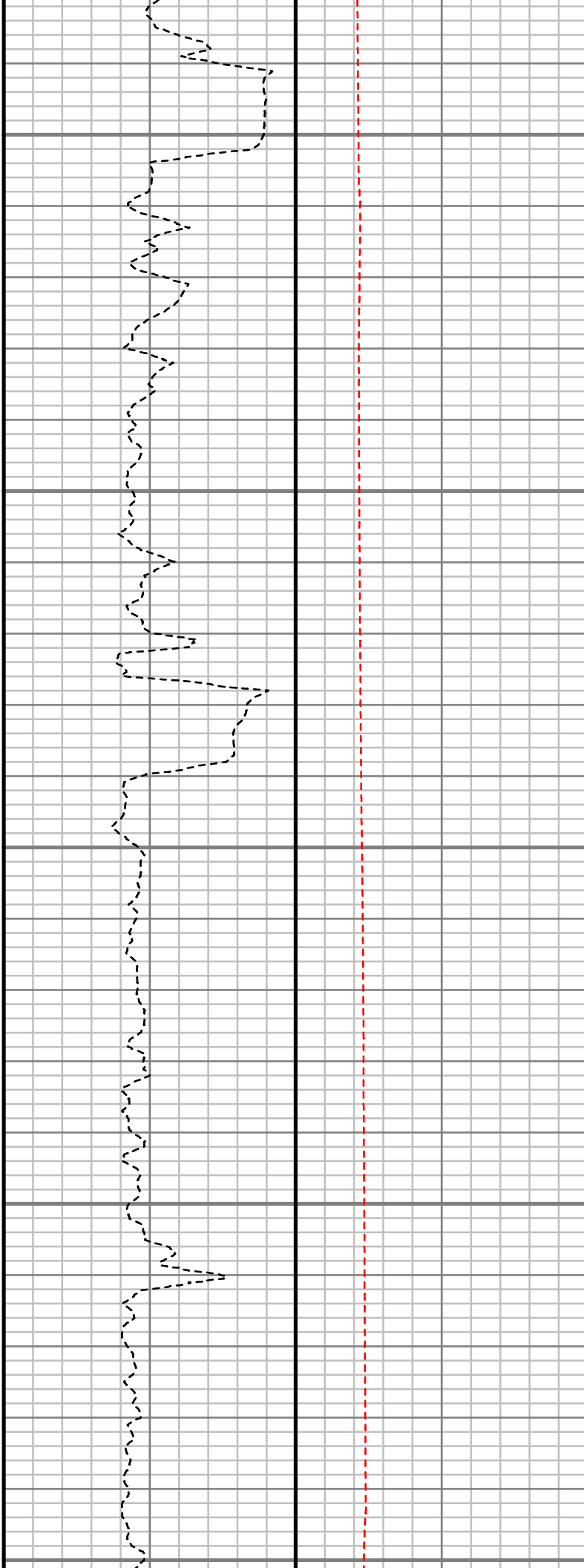
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6750

6800

6850

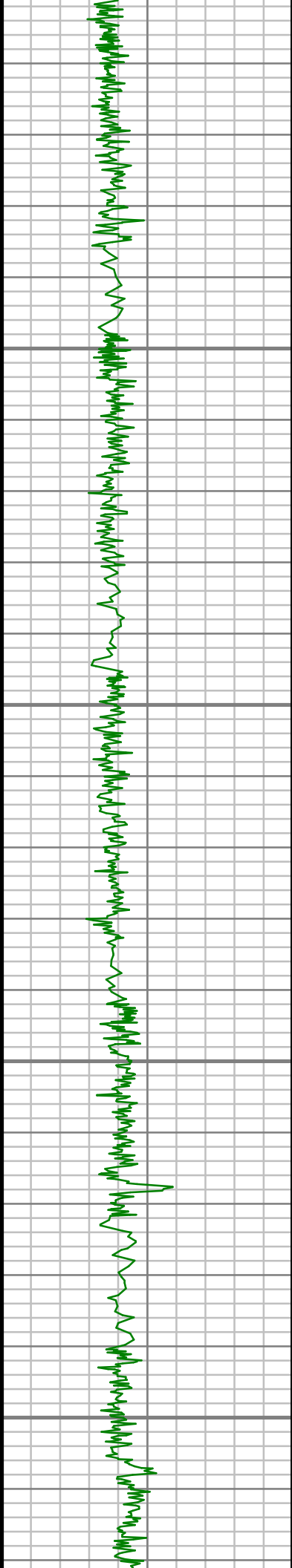
6900



S: 66 MD: 6700.00 ft
Inc: 2.71 deg Az:
164.56 deg TVD:
6610.42 ft

S: 67 MD: 6795.00 ft
Inc: 1.47 deg Az: 93.47
deg TVD: 6705.36 ft

S: 68 MD: 6889.00 ft
Inc: 1.02 deg Az:
103.94 deg TVD:
6799.34 ft

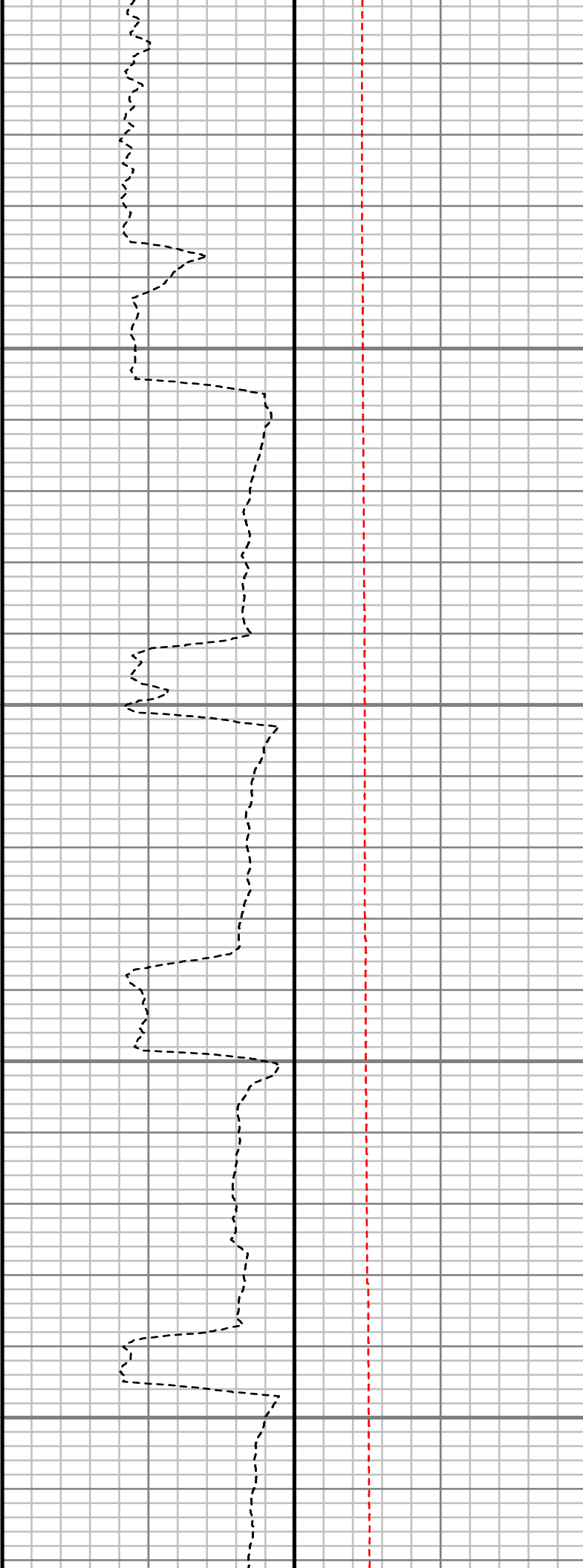


6950

7000

7050

7100

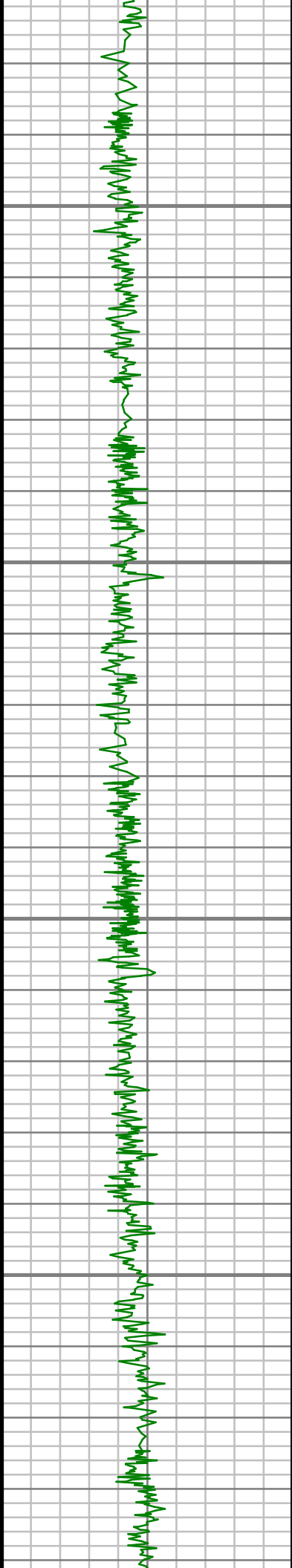


S: 69 MD: 6936.00 ft
Inc: 0.98 deg Az: 83.29
deg TVD: 6846.33 ft

S: 70 MD: 6983.00 ft
Inc: 4.00 deg Az: 9.62
deg TVD: 6893.29 ft

S: 71 MD: 7030.00 ft
Inc: 9.00 deg Az: 4.30
deg TVD: 6939.98 ft

S: 72 MD: 7078.00 ft
Inc: 12.61 deg Az: 6.68
deg TVD: 6987.12 ft

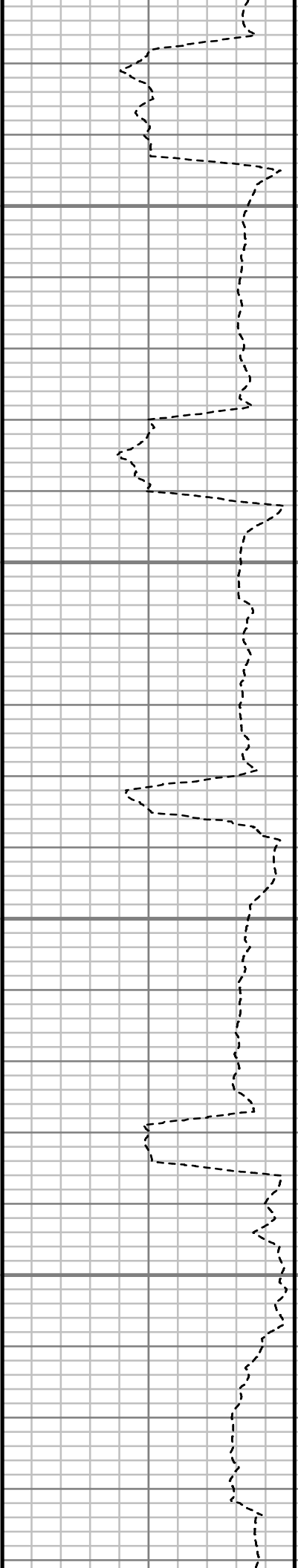


7150

7200

7250

7300



S: 73 MD: 7125.00 ft
Inc: 16.80 deg Az: 9.46
deg TVD: 7032.57 ft

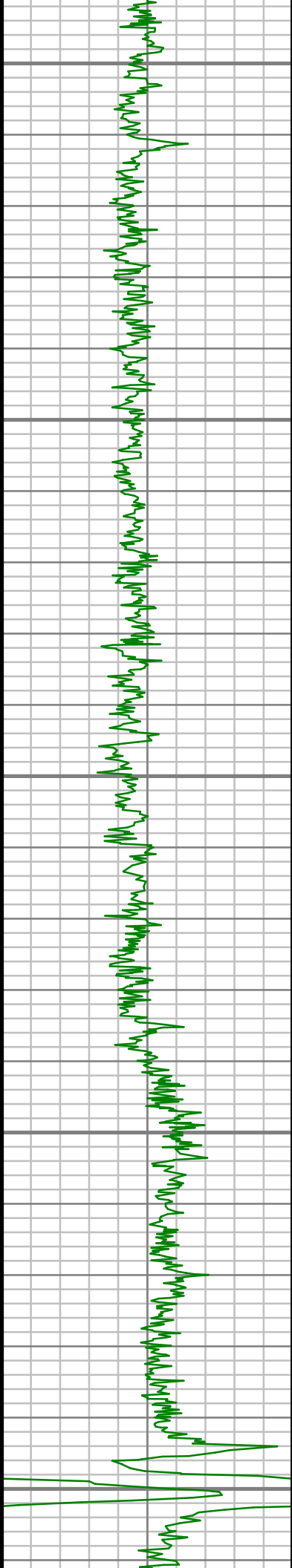
S: 74 MD: 7172.00 ft
Inc: 19.28 deg Az: 8.21
deg TVD: 7077.25 ft

S: 75 MD: 7219.00 ft
Inc: 21.11 deg Az: 3.89
deg TVD: 7121.36 ft

S: 76 MD: 7266.00 ft
Inc: 24.83 deg Az: 4.90
deg TVD: 7164.63 ft

S: 77 MD: 7313.00 ft
Inc: 26.77 deg Az: 4.60
deg TVD: 7206.94 ft





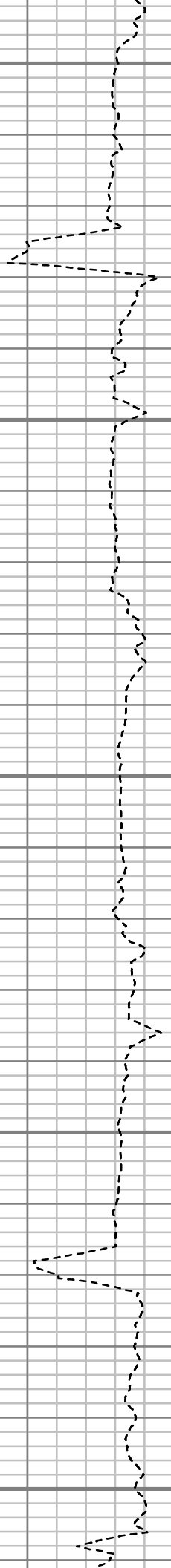
7350

7400

7450

7500

7550



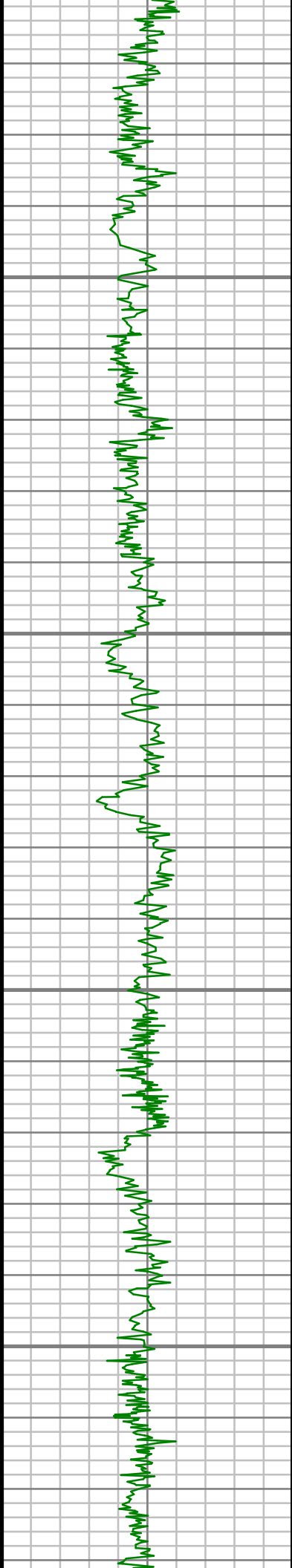
S: 78 MD: 7361.00 ft
Inc: 29.62 deg Az: 1.94
deg TVD: 7249.25 ft

S: 79 MD: 7408.00 ft
Inc: 35.06 deg Az:
359.04 deg TVD:
7288.94 ft

S: 80 MD: 7455.00 ft
Inc: 40.34 deg Az:
353.41 deg TVD:
7326.13 ft

S: 81 MD: 7502.00 ft
Inc: 47.85 deg Az:
353.61 deg TVD:
7359.86 ft

S: 82 MD: 7549.00 ft
Inc: 55.08 deg Az:
354.65 deg TVD:
7389.12 ft

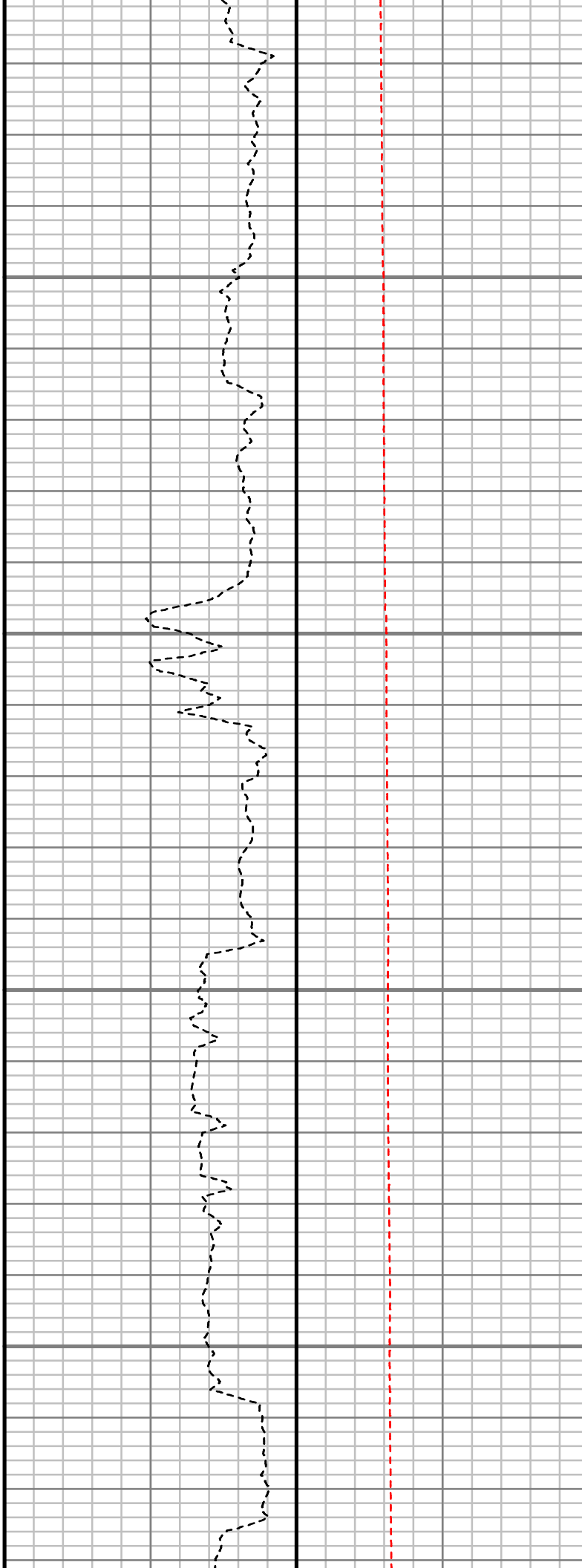


7600

7650

7700

7750

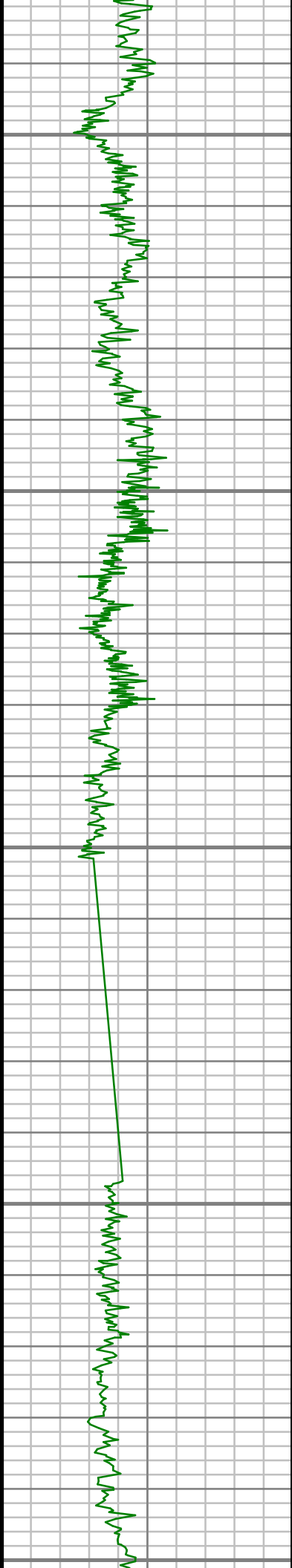


S: 83 MD: 7596.00 ft
Inc: 60.04 deg Az:
355.03 deg TVD:
7414.32 ft

S: 84 MD: 7644.00 ft
Inc: 63.53 deg Az:
359.30 deg TVD:
7437.02 ft

S: 85 MD: 7691.00 ft
Inc: 68.33 deg Az:
359.19 deg TVD:
7456.19 ft

S: 86 MD: 7738.00 ft
Inc: 70.01 deg Az: 0.18
deg TVD: 7472.90 ft



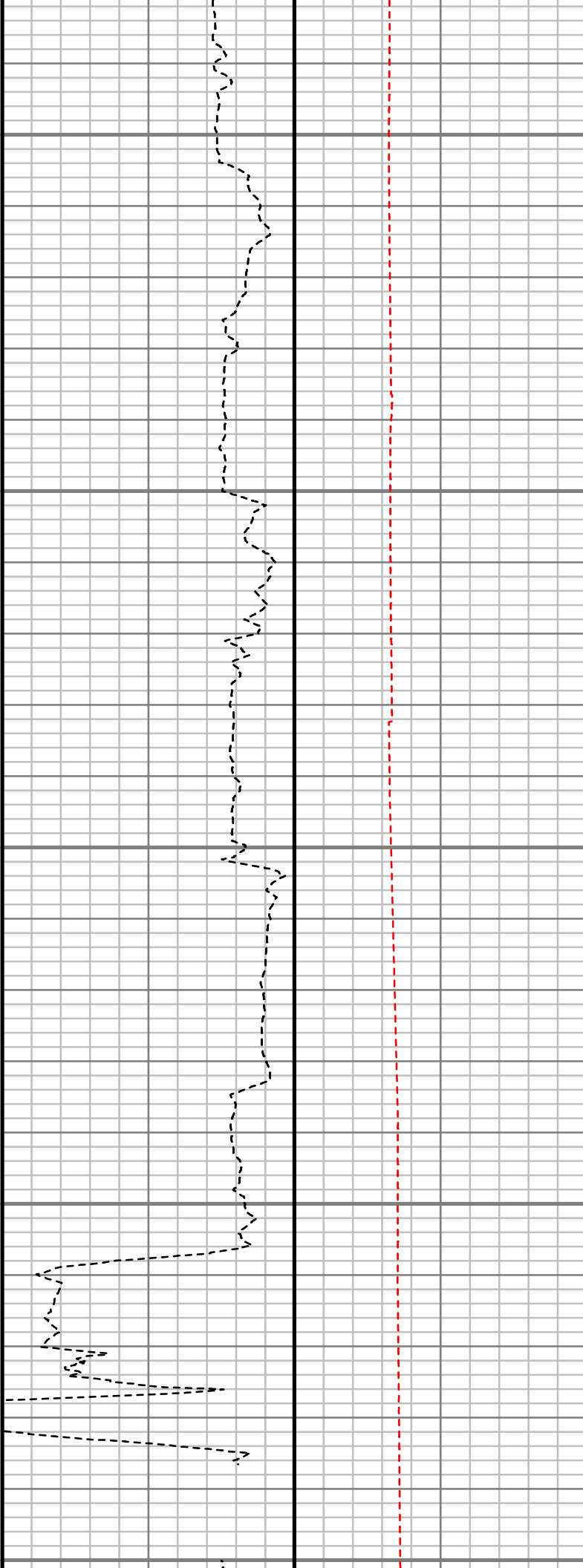
7800

7850

7900

7950

8000



S: 87 MD: 7785.00 ft
Inc: 73.65 deg Az: 0.91
deg TVD: 7487.56 ft

S: 88 MD: 7833.00 ft
Inc: 77.50 deg Az: 2.00
deg TVD: 7499.51 ft

S: 89 MD: 7880.00 ft
Inc: 80.21 deg Az: 0.51
deg TVD: 7508.60 ft





8050

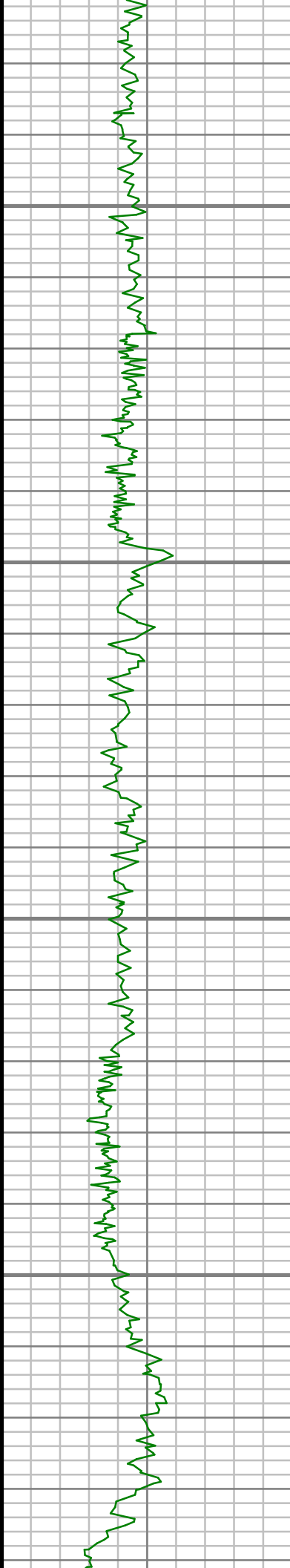
8100

8150

8200



S: 90 MD: 8052.00 ft
Inc: 88.66 deg Az:
357.04 deg TVD:
7525.27 ft

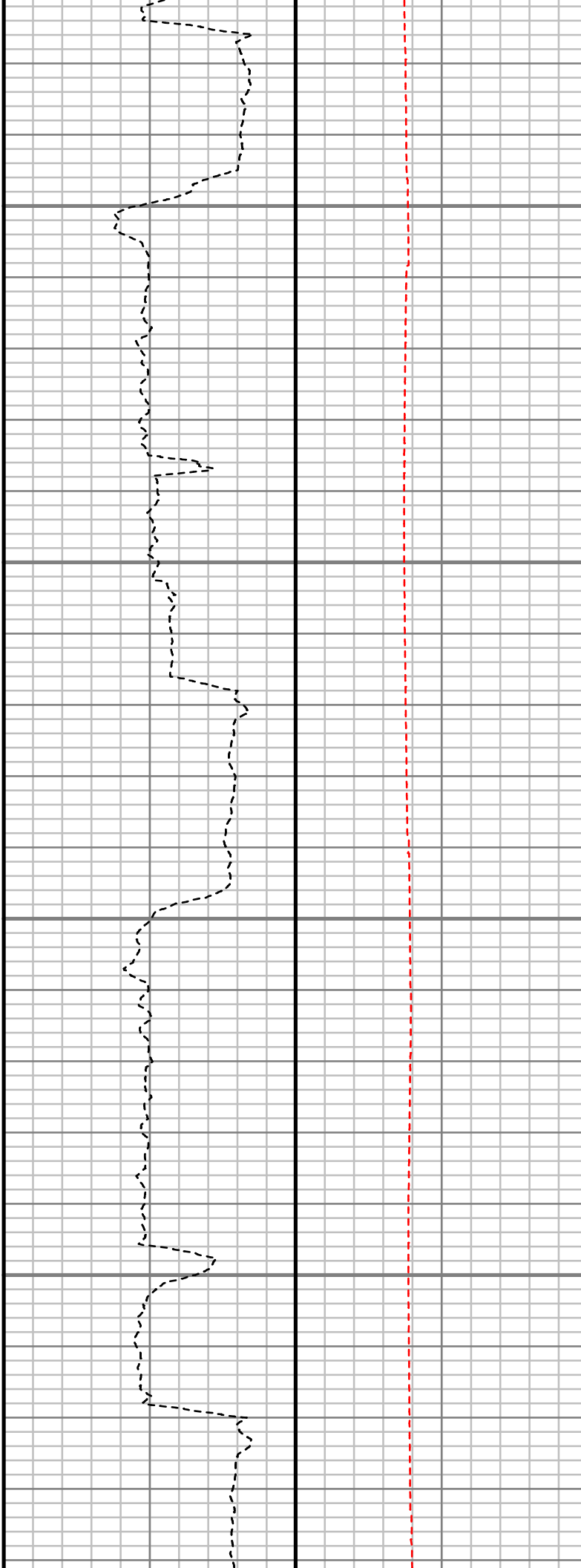


8250

8300

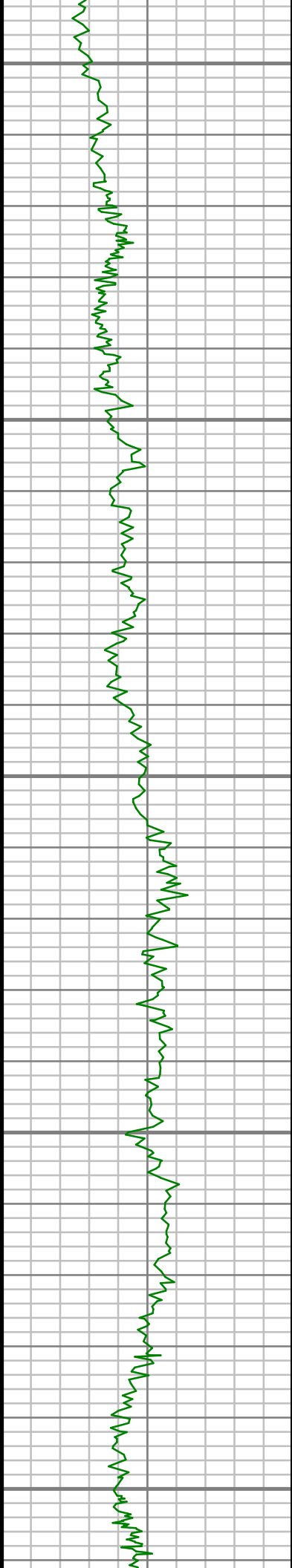
8350

8400



S: 91 MD: 8241.00 ft
Inc: 90.47 deg Az:
359.19 deg TVD:
7526.71 ft

S: 92 MD: 8430.00 ft
Inc: 91.68 deg Az: 2.76
deg TVD: 7523.17 ft



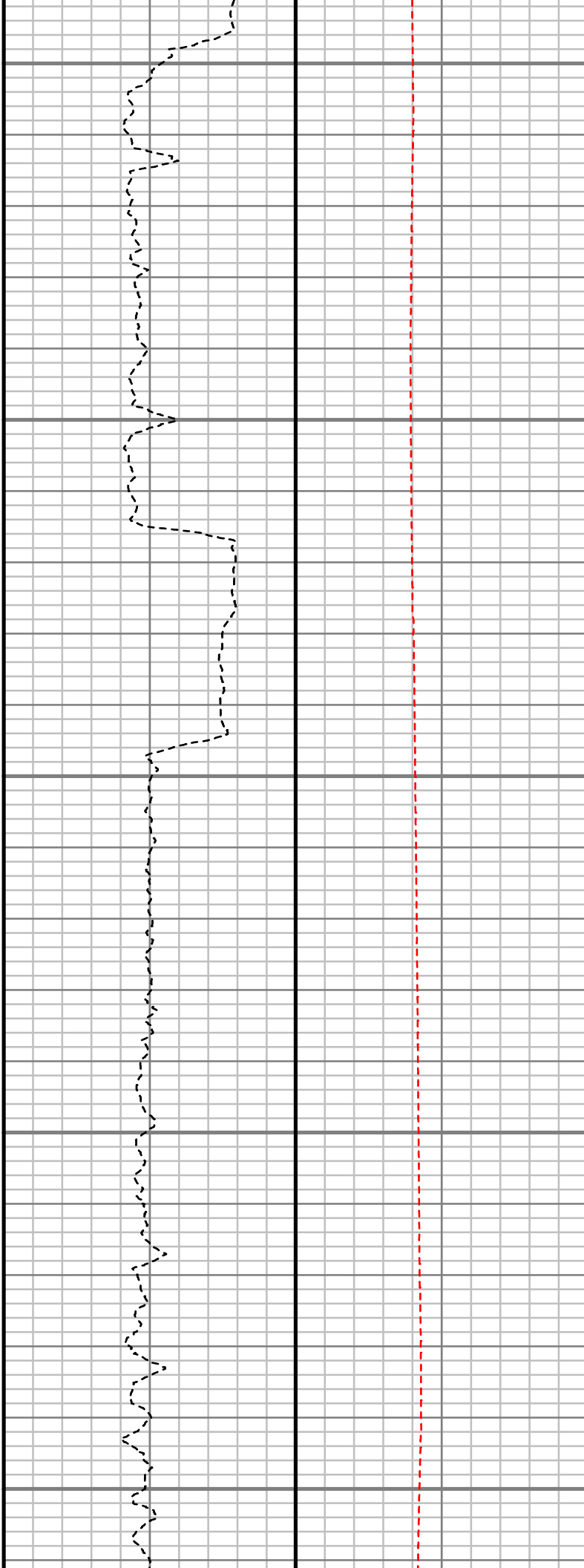
8450

8500

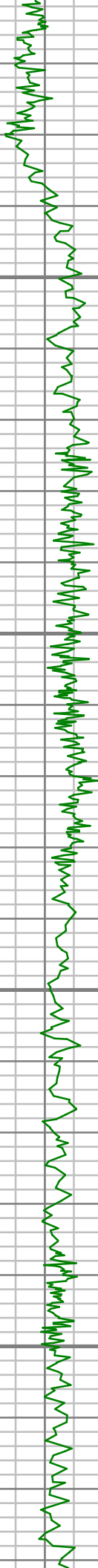
8550

8600

8650



S: 93 MD: 8619.00 ft
Inc: 91.95 deg Az: 4.39
deg TVD: 7517.18 ft

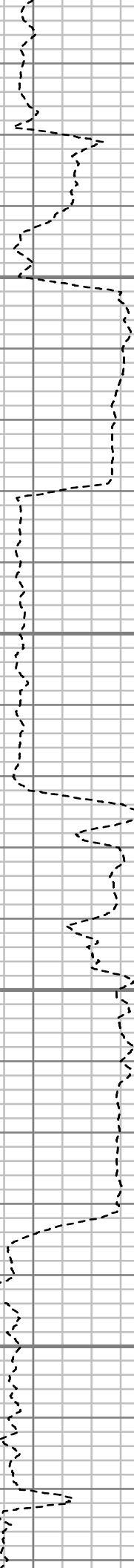


8700

8750

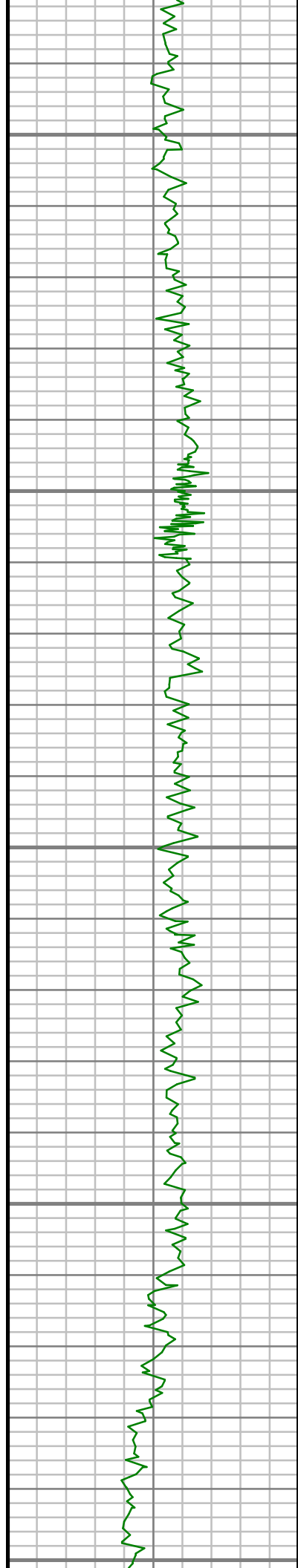
8800

8850



S: 94 MD: 8713.00 ft
Inc: 91.75 deg Az: 2.79
deg TVD: 7514.15 ft

S: 95 MD: 8808.00 ft
Inc: 90.40 deg Az: 2.14
deg TVD: 7512.37 ft



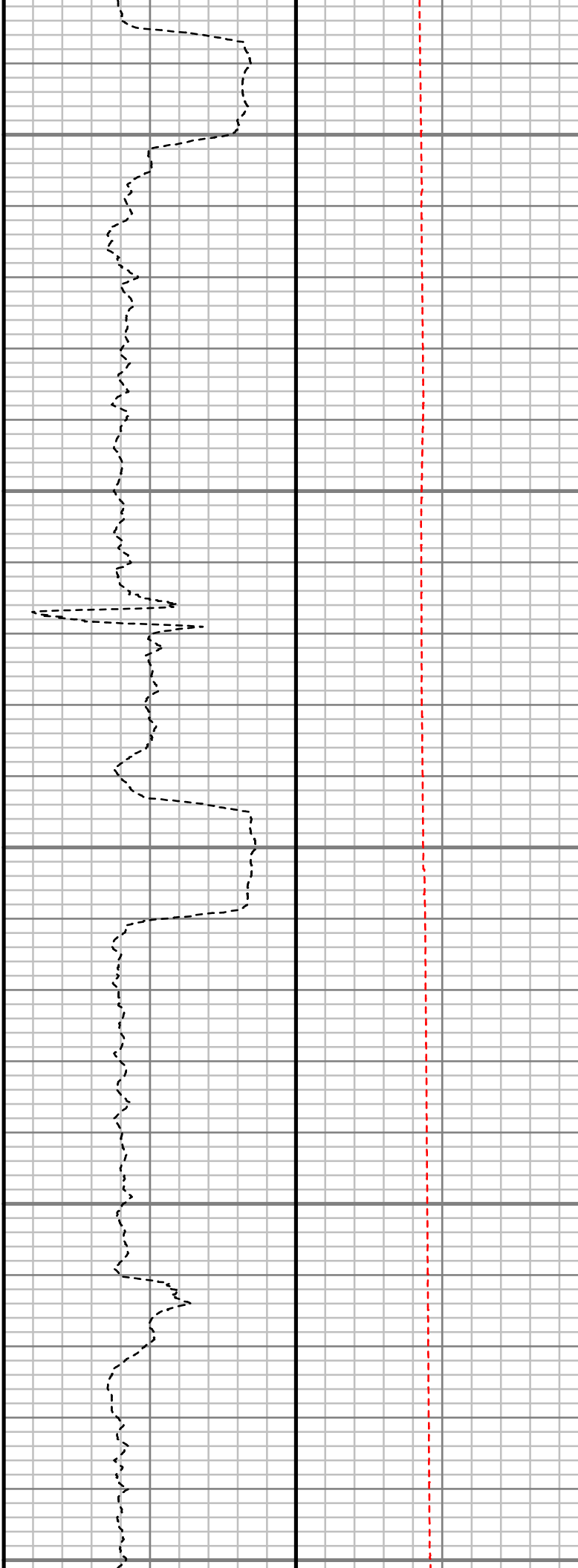
8900

8950

9000

9050

9100



S: 96 MD: 8902.00 ft
Inc: 88.99 deg Az: 2.14
deg TVD: 7512.86 ft

S: 97 MD: 9090.00 ft
Inc: 90.03 deg Az: 1.75
deg TVD: 7514.46 ft

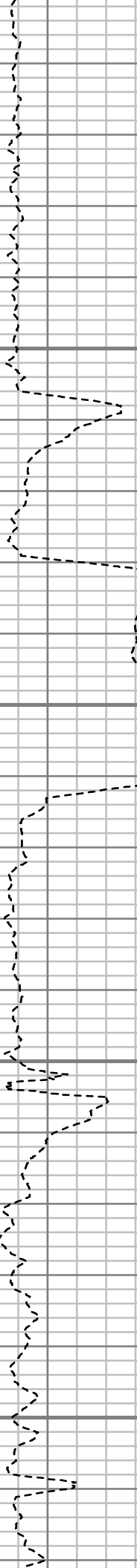


9150

9200

9250

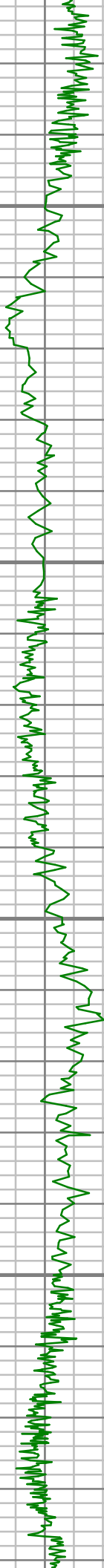
9300



S: 98 MD: 9185.00 ft
Inc: 91.01 deg Az: 0.60
deg TVD: 7513.59 ft

S: 99 MD: 9279.00 ft
Inc: 92.02 deg Az: 0.13
deg TVD: 7511.12 ft



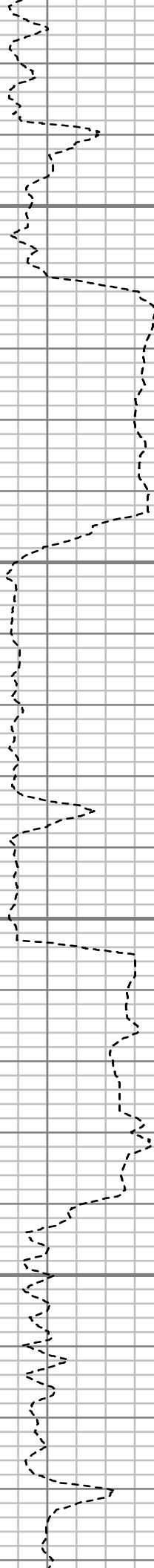


9350

9400

9450

9500



S: 100 MD: 9468.00 ft
Inc: 91.24 deg Az:
358.52 deg TVD:
7505.74 ft



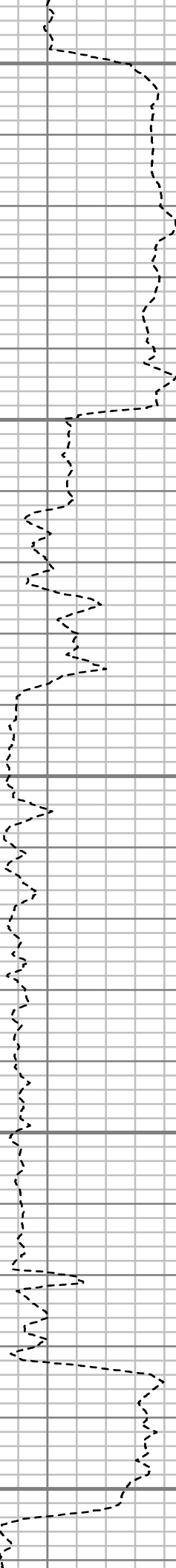
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9600

9650

9700

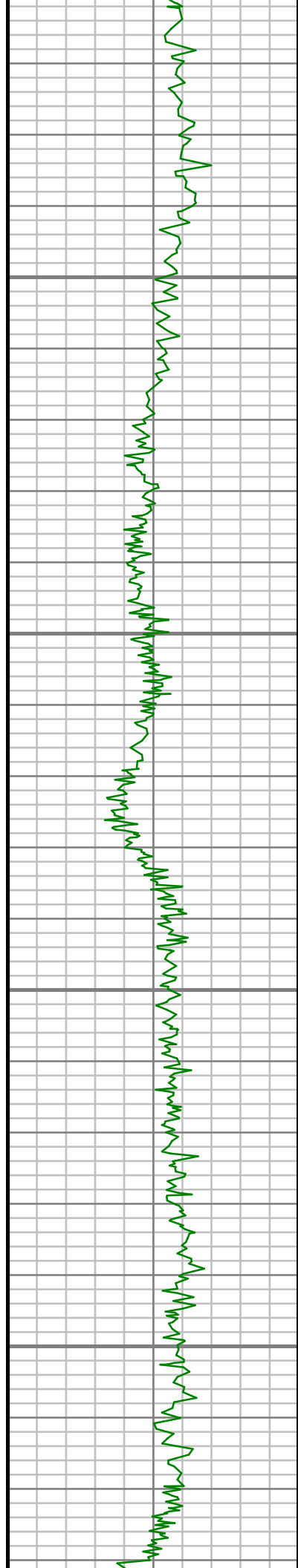
9750



S: 101 MD: 9563.00 ft
Inc: 90.30 deg Az:
358.21 deg TVD:
7504.46 ft

S: 102 MD: 9657.00 ft
Inc: 88.52 deg Az:
358.49 deg TVD:
7505.43 ft

S: 103 MD: 9751.00 ft
Inc: 87.92 deg Az:
358.16 deg TVD:
7508.35 ft

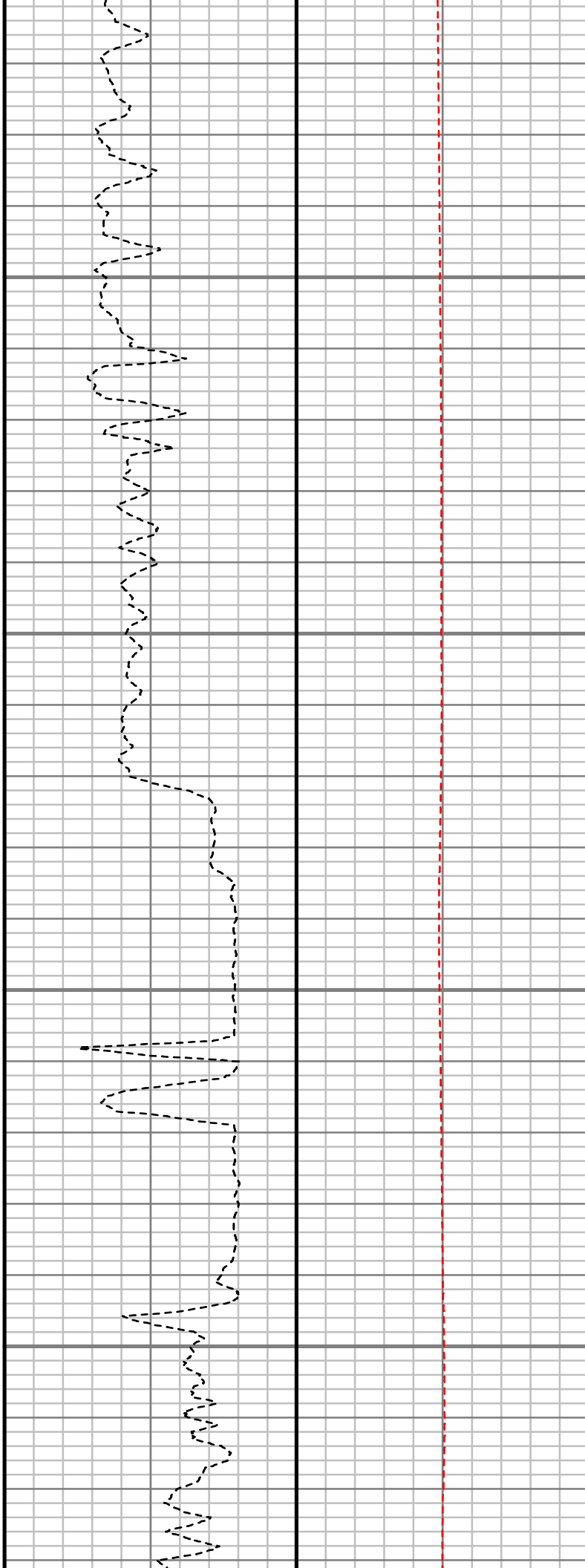


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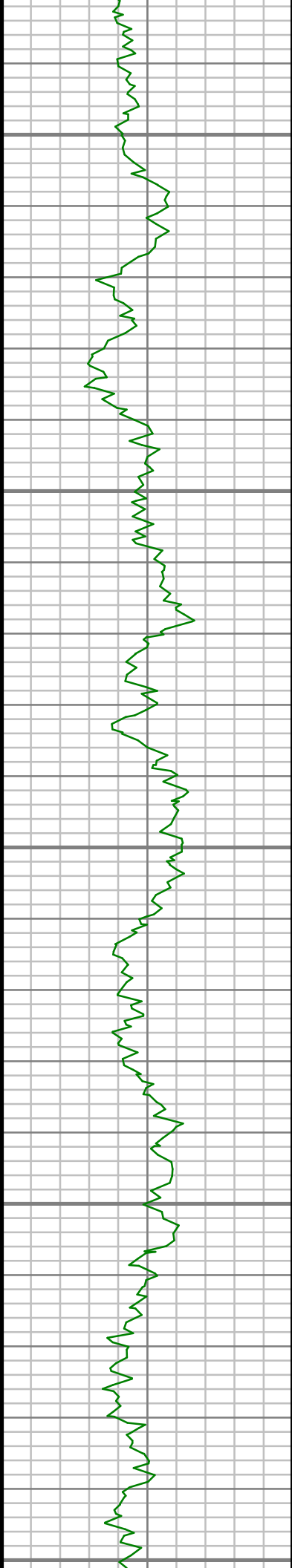
9850

9900

9950



S: 104 MD: 9846.00 ft
Inc: 89.02 deg Az:
358.31 deg TVD:
7510.88 ft



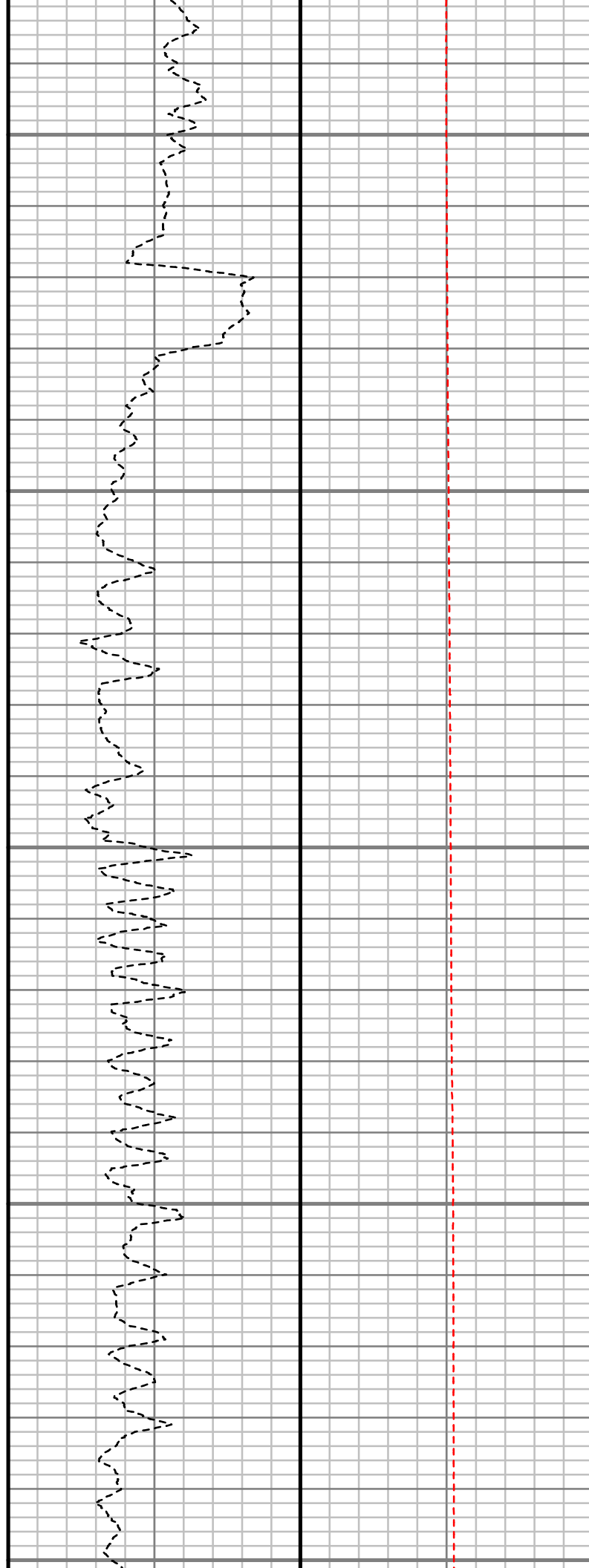
10000

10050

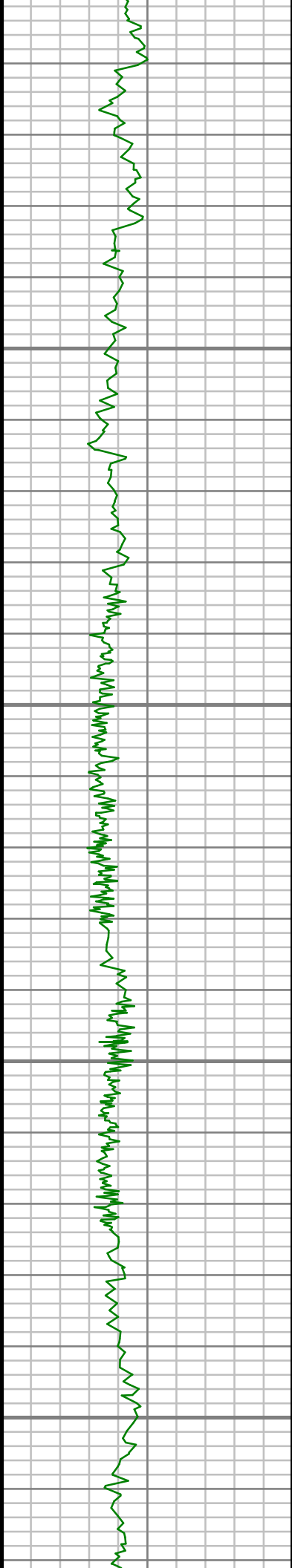
10100

10150

10200



S: 105 MD: 10129.00 ft
Inc: 87.55 deg Az:
358.10 deg TVD:
7519.35 ft

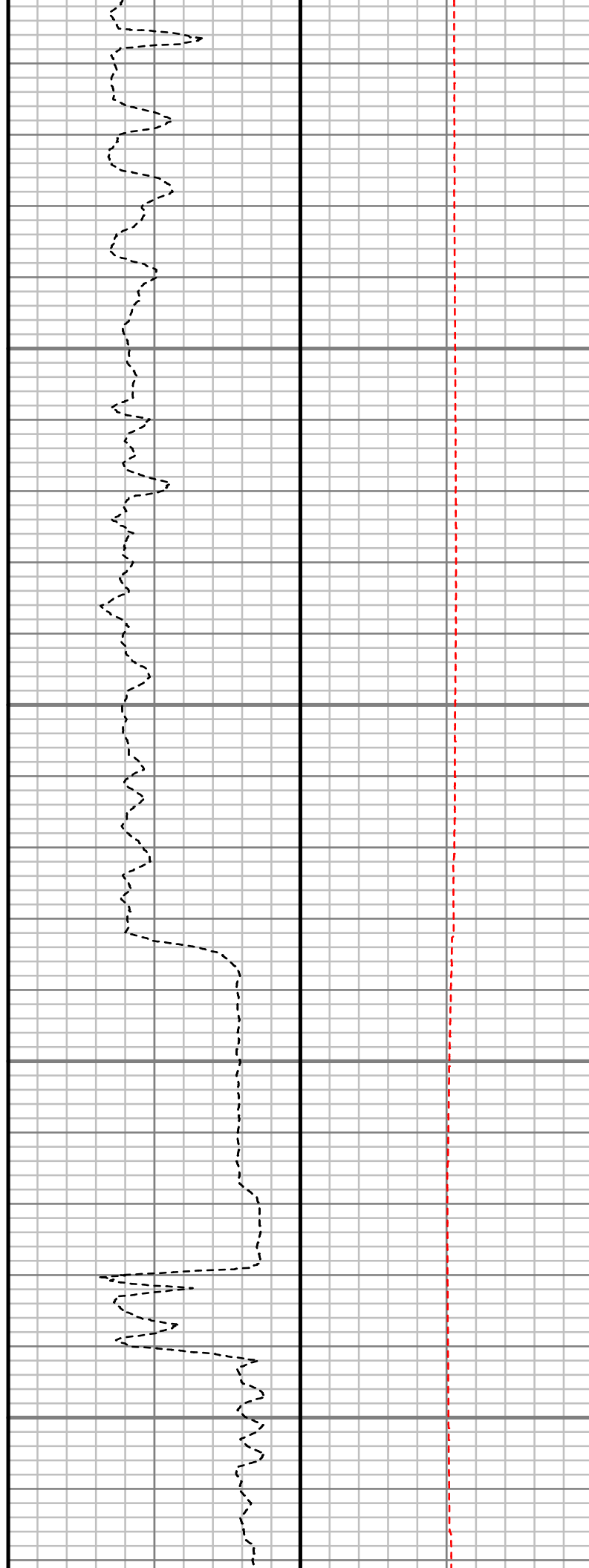


10250

10300

10350

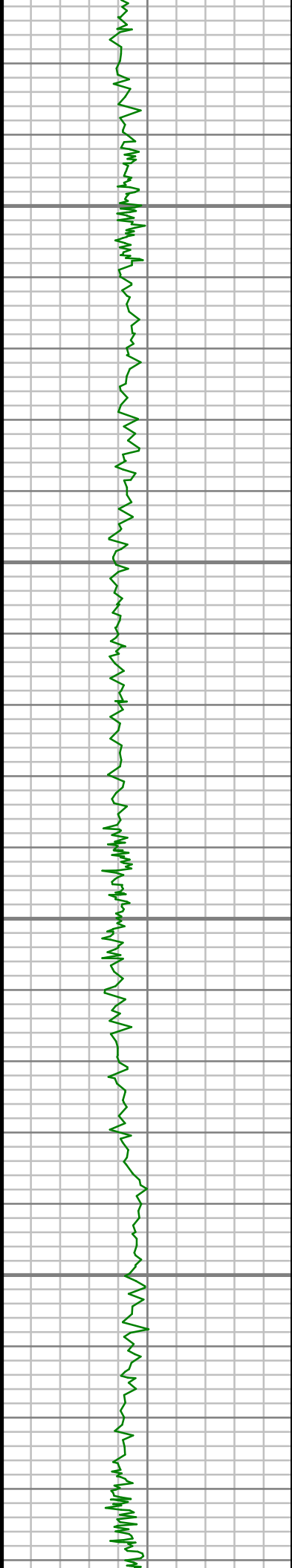
10400



S: 106 MD: 10224.00 ft
Inc: 89.13 deg Az:
357.64 deg TVD:
7522.11 ft

S: 107 MD: 10318.00 ft
Inc: 91.18 deg Az:
356.84 deg TVD:
7521.86 ft

S: 108 MD: 10413.00 ft
Inc: 91.14 deg Az:
357.90 deg TVD:

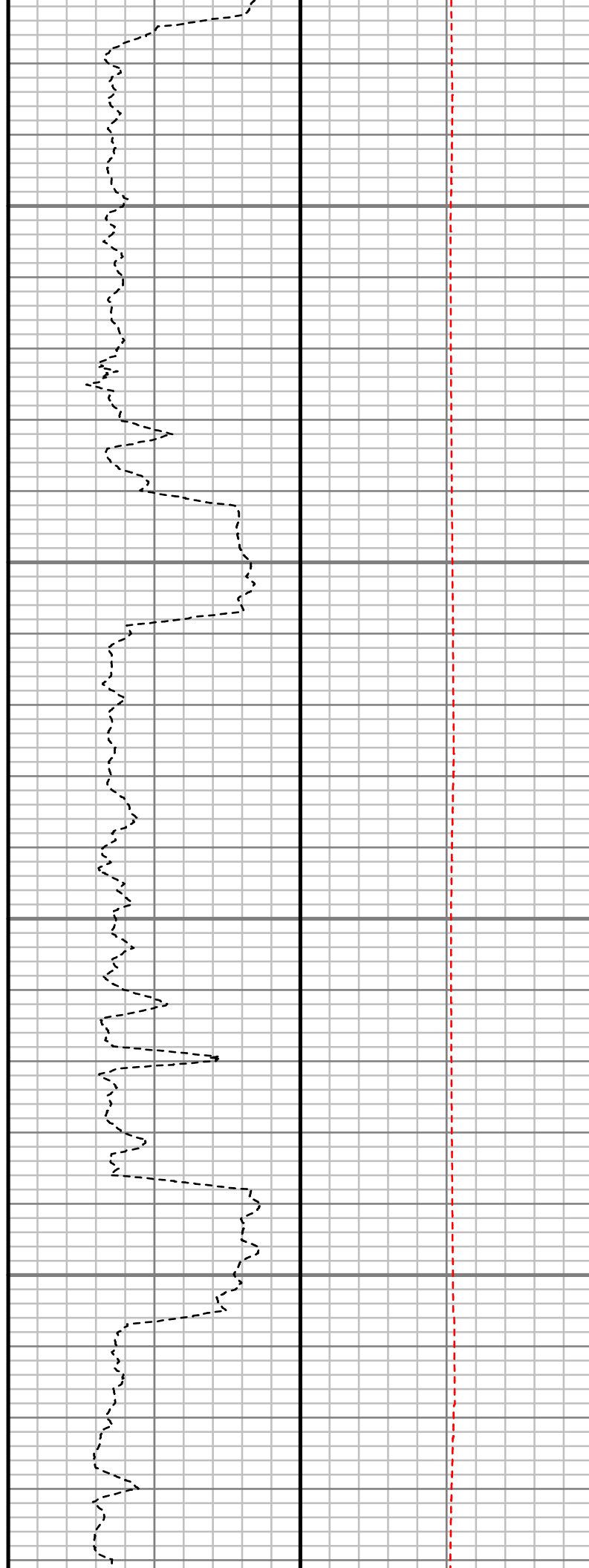


10450

10500

10550

10600



S: 109 MD: 10507.00 ft
Inc: 89.87 deg Az:
358.04 deg TVD:
7519.11 ft



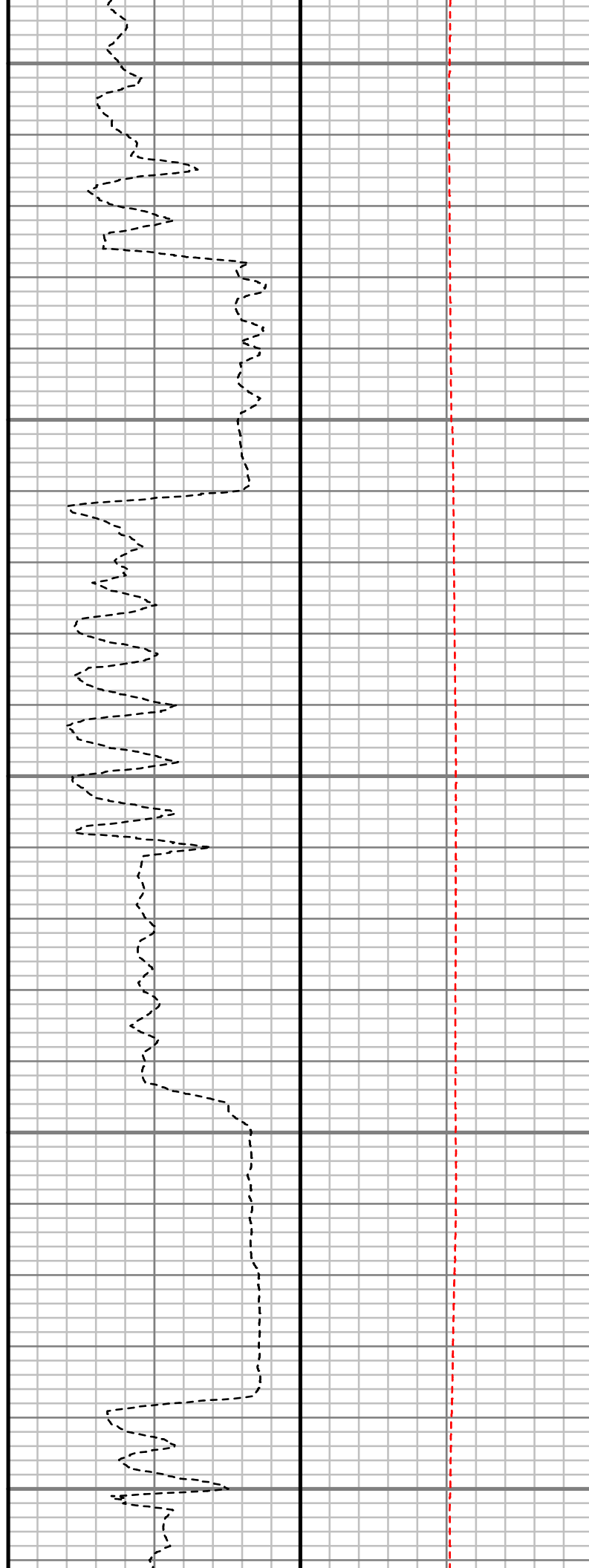
10650

10700

10750

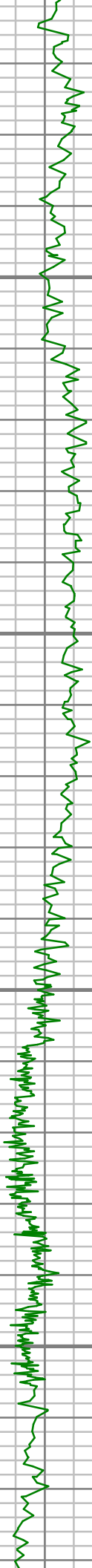
10800

10850



S: 110 MD: 10696.00 ft
Inc: 90.27 deg Az:
359.54 deg TVD:
7518.89 ft

S: 111 MD: 10790.00 ft
Inc: 91.41 deg Az:
359.46 deg TVD:
7517.51 ft

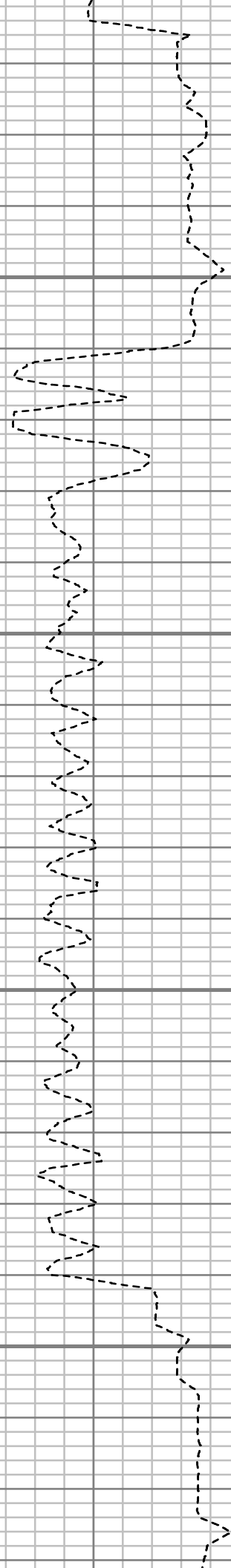


10900

10950

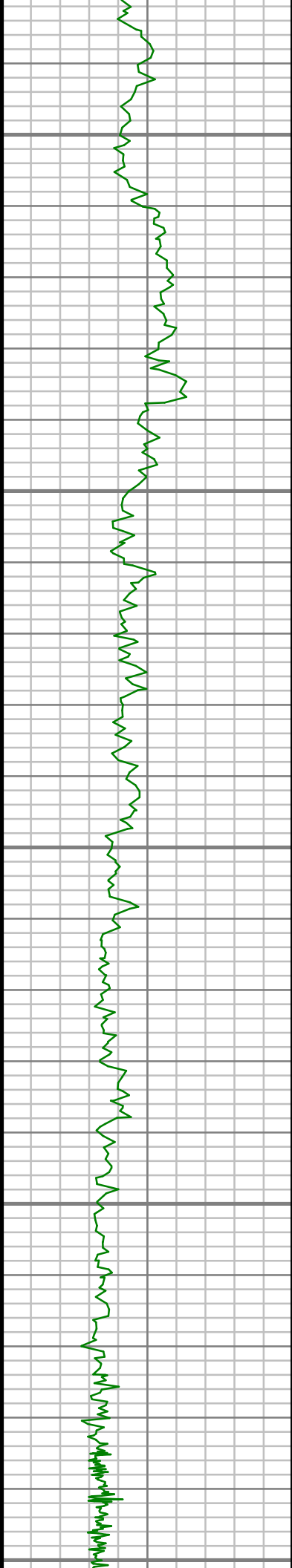
11000

11050



S: 112 MD: 10884.00 ft
Inc: 90.91 deg Az:
359.84 deg TVD:
7515.61 ft

S: 113 MD: 11073.00 ft
Inc: 89.36 deg Az:
359.62 deg TVD:



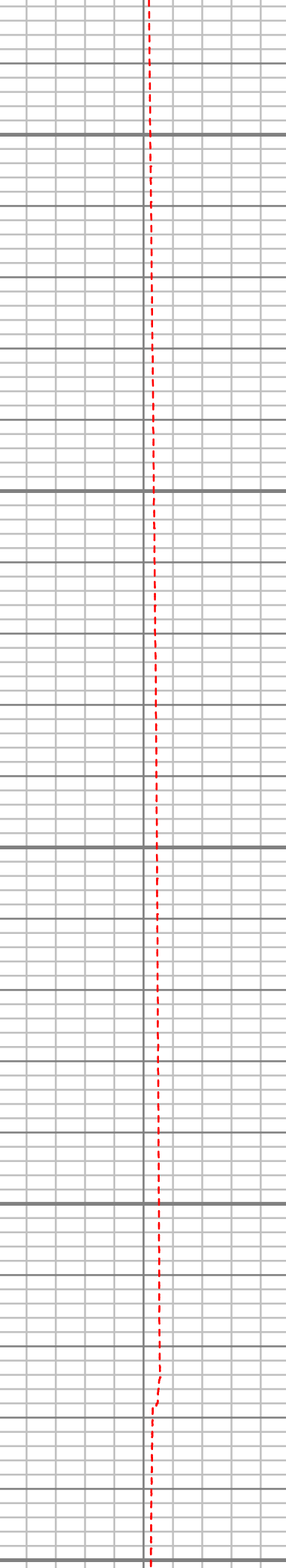
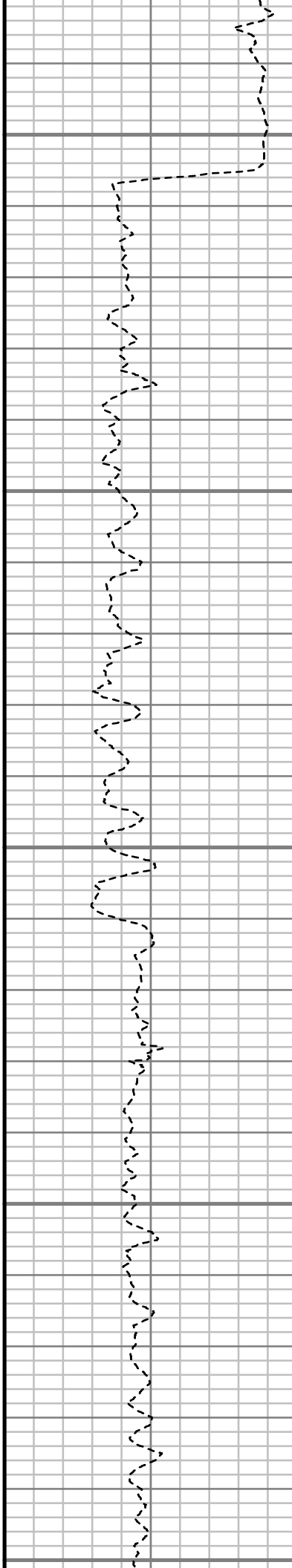
11100

11150

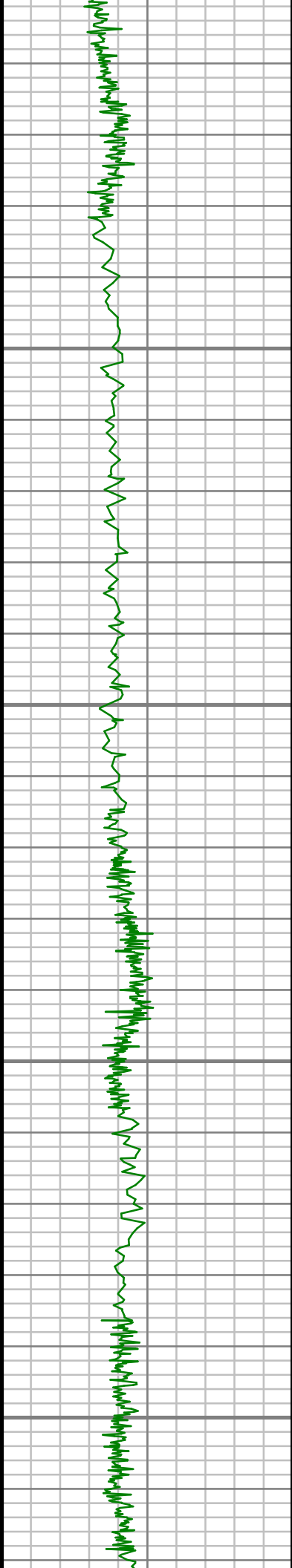
11200

11250

11300



S: 114 MD: 11167.00 ft
Inc: 88.19 deg Az:
359.14 deg TVD:
7517.18 ft

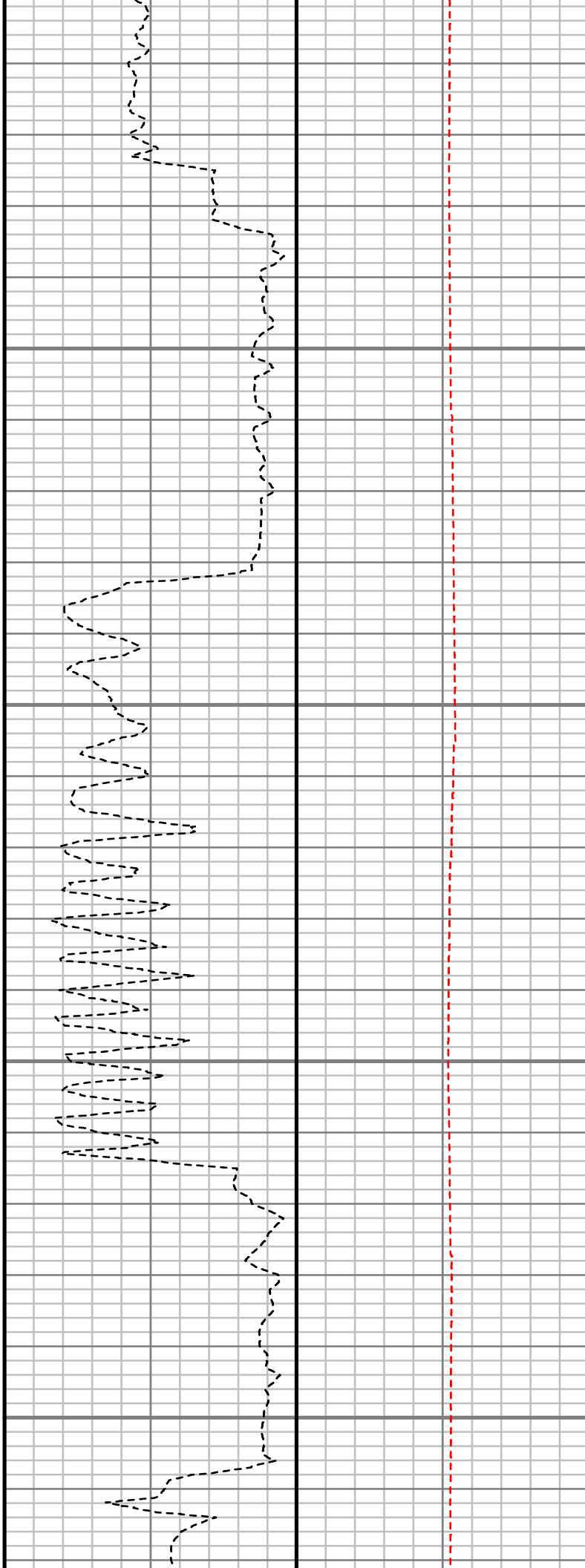


11350

11400

11450

11500



S: 115 MD: 11356.00 ft
Inc: 90.97 deg Az:
359.31 deg TVD:
7518.56 ft

S: 116 MD: 11450.00 ft
Inc: 91.68 deg Az:
359.17 deg TVD:
7516.38 ft

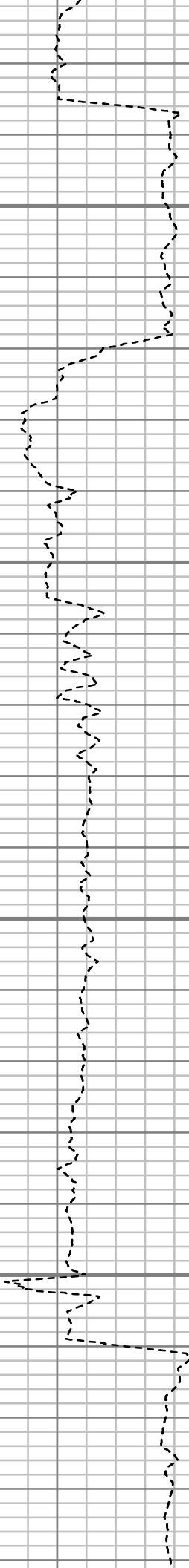


11550

11600

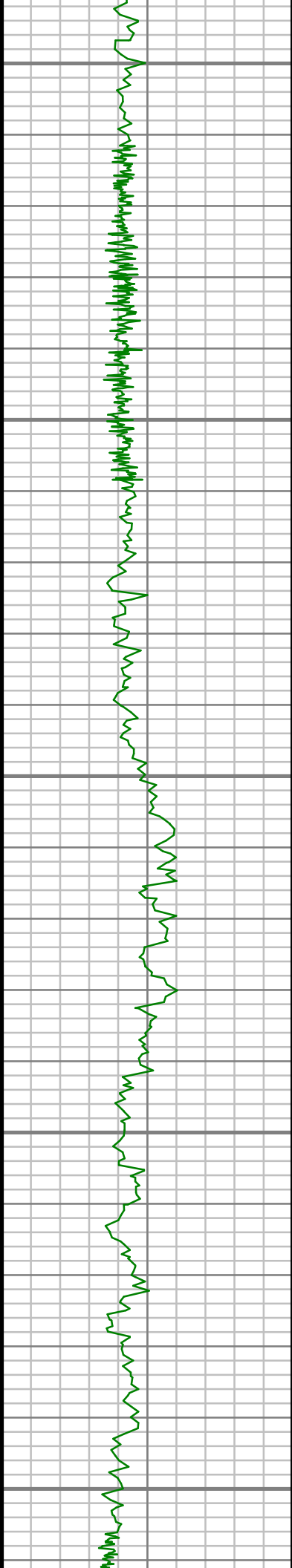
11650

11700



S: 117 MD: 11545.00 ft
Inc: 89.87 deg Az:
359.89 deg TVD:
7515.10 ft

S: 118 MD: 11734.00 ft
Inc: 90.57 deg Az: 0.74
deg TVD: 7514.38 ft



11750

11800

11850

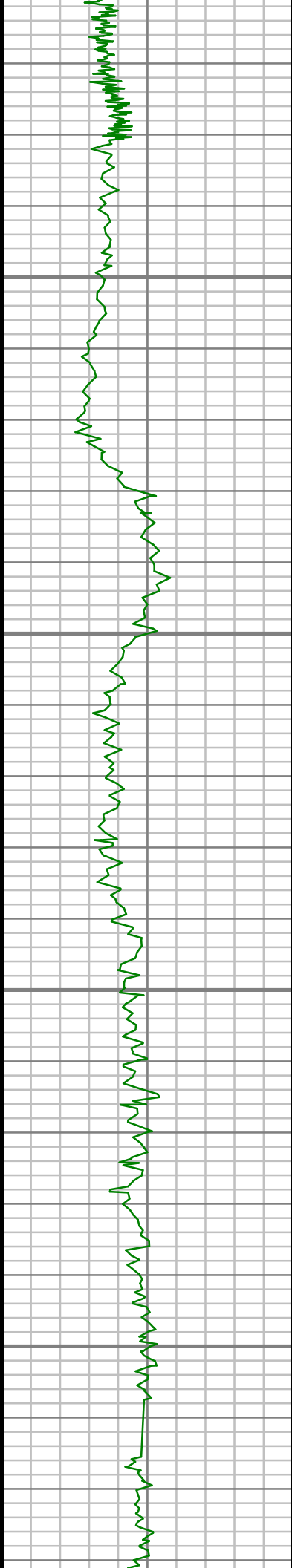
11900

11950



S: 119 MD: 11828.00 ft
Inc: 88.59 deg Az: 1.62
deg TVD: 7515.07 ft

S: 120 MD: 11922.00 ft
Inc: 87.41 deg Az: 2.73
deg TVD: 7518.35 ft

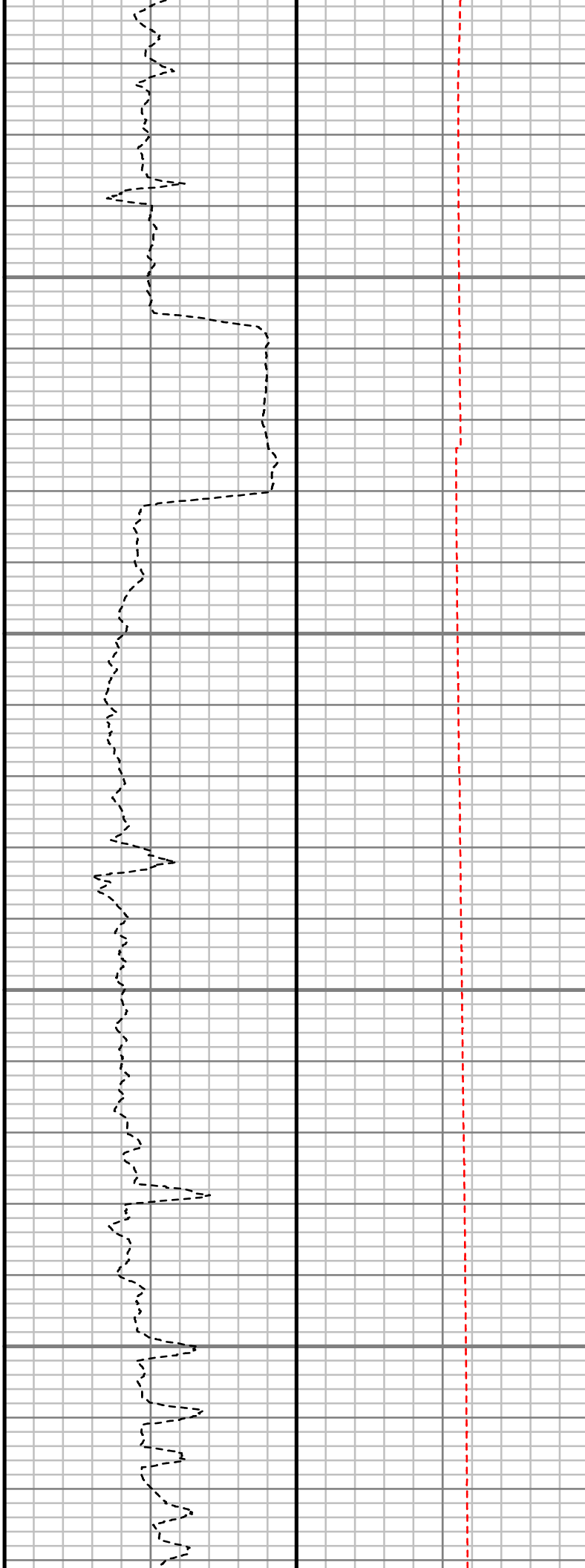


12000

12050

12100

12150



S: 121 MD: 12111.00 ft
Inc: 87.98 deg Az: 1.09
deg TVD: 7525.95 ft



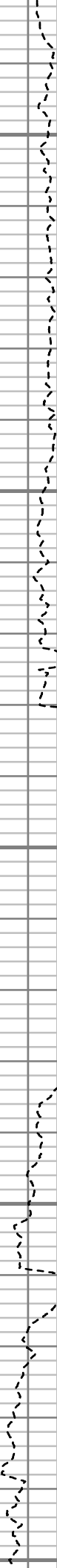
12200

12250

12300

12350

12400



S: 122 MD: 12206.00 ft
Inc: 90.37 deg Az: 0.45
deg TVD: 7527.31 ft

S: 123 MD: 12300.00 ft
Inc: 90.07 deg Az:
359.79 deg TVD:
7526.95 ft



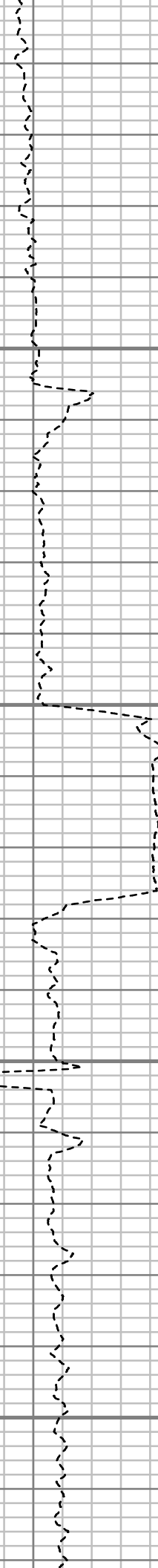


12450

12500

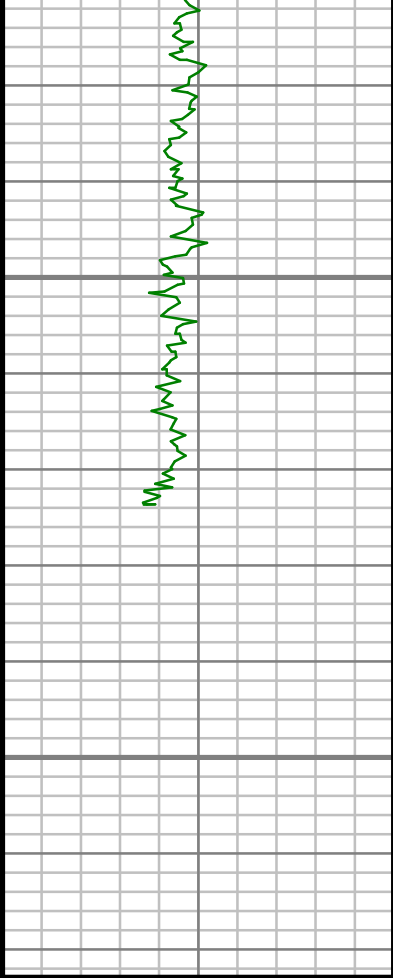
12550

12600



S: 124 MD: 12488.00 ft
Inc: 91.11 deg Az:
359.60 deg TVD:
7525.02 ft

S: 125 MD: 12583.00 ft
Inc: 91.08 deg Az:
358.93 deg TVD:
7523.21 ft

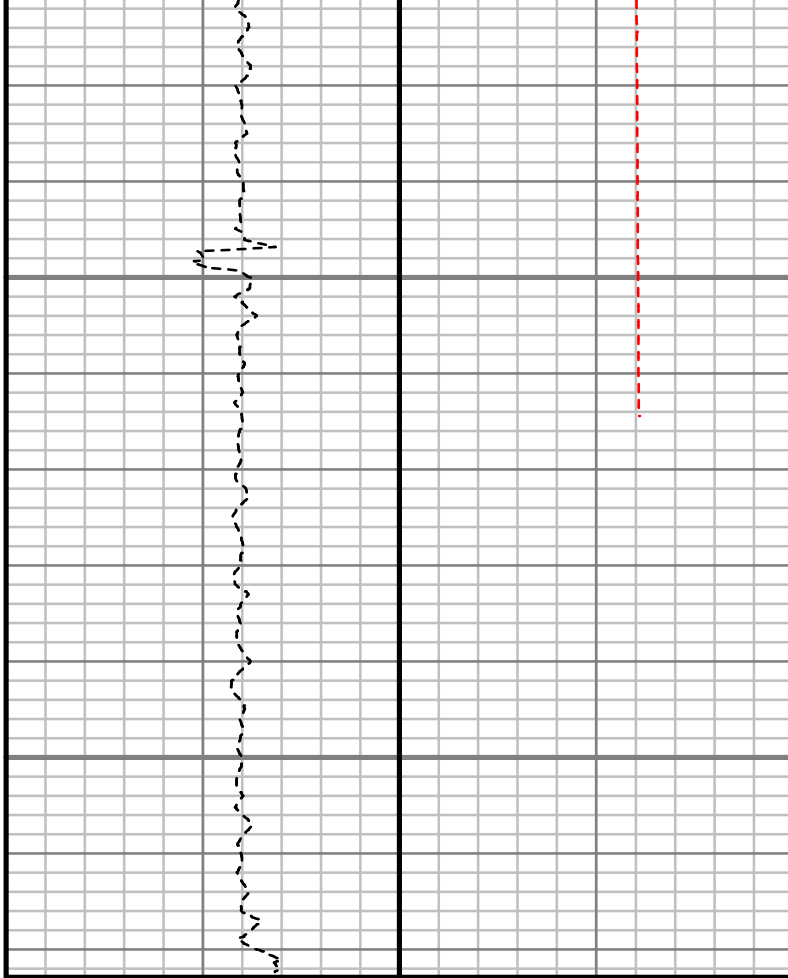


Gamma Ray (GR)		
0	Unit = aapi	150

12650

12700

MEASURED DEPTH
1:240 (ft)



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

Tool Temperature (T-TEMP)		
100	Unit = °F	300

Comments

Survey Report

Customer Name:	ANADARKO PETROLEUM CORP.						
Site Name:	NRC 14-8HZ PAD						
Well Name:	NRC 28N-8HZ						
Survey:	NRC 28N-8HZ						
Survey Date:	4/2/2014						
Magnetic Declination:	8.53 deg						
North Reference:	True North						
Calculation Method:	Minimum Curvature						
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 0.00Azim (deg)						
MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
100.00	0.31	171.35	100.00	-0.27	-0.27	0.04	0.31
200.00	0.56	35.26	200.00	-0.14	-0.14	0.36	0.81
300.00	0.20	221.67	300.00	0.13	0.13	0.53	0.76
400.00	0.50	49.54	400.00	0.29	0.29	0.75	0.70
500.00	0.44	189.59	499.99	0.19	0.19	1.01	0.88
600.00	0.39	349.65	599.99	0.15	0.15	0.89	0.82
700.00	0.56	153.93	699.99	0.04	0.04	1.04	0.94
800.00	0.35	2.79	799.99	-0.09	-0.09	1.27	0.88

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
900.00	0.40	190.56	899.99	-0.13	-0.13	1.22	0.75
1000.00	0.50	43.00	999.99	-0.15	-0.15	1.46	0.86
1100.00	0.47	306.74	1099.99	0.41	0.41	1.43	0.72
1125.00	0.52	350.64	1124.99	0.58	0.58	1.32	1.49
1277.00	0.37	284.96	1276.98	1.39	1.39	0.73	0.33
1369.00	2.31	171.79	1368.96	-0.36	-0.36	0.71	2.69
1564.00	8.67	158.33	1562.97	-17.93	-17.93	6.70	3.31
1656.00	10.37	163.97	1653.70	-32.34	-32.34	11.55	2.10
1747.00	10.43	168.56	1743.21	-48.28	-48.28	15.45	0.91
1839.00	10.68	170.80	1833.65	-64.86	-64.86	18.46	0.53
1930.00	9.36	167.87	1923.26	-80.42	-80.42	21.37	1.56
2023.00	7.91	165.99	2015.21	-94.02	-94.02	24.50	1.59
2114.00	8.00	176.73	2105.33	-106.41	-106.41	26.38	1.63
2206.00	9.71	180.69	2196.24	-120.56	-120.56	26.65	1.97
2298.00	11.29	188.83	2286.70	-137.22	-137.22	25.18	2.35
2389.00	11.30	184.86	2375.94	-154.91	-154.91	23.06	0.85
2480.00	12.63	181.15	2464.96	-173.74	-173.74	22.10	1.69
2572.00	12.38	176.30	2554.78	-193.65	-193.65	22.54	1.18
2664.00	11.61	174.80	2644.77	-212.71	-212.71	24.01	0.90
2756.00	10.64	171.22	2735.04	-230.33	-230.33	26.15	1.30

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
2848.00	11.55	175.97	2825.32	-247.92	-247.92	28.09	1.40
2940.00	10.83	176.04	2915.57	-265.73	-265.73	29.34	0.79
3032.00	12.03	171.26	3005.74	-283.83	-283.83	31.39	1.66
3124.00	12.56	164.74	3095.64	-302.96	-302.96	35.48	1.61
3215.00	12.55	162.19	3184.46	-321.92	-321.92	41.11	0.61
3307.00	12.20	163.55	3274.32	-340.76	-340.76	46.92	0.49
3399.00	12.18	163.45	3364.25	-359.39	-359.39	52.44	0.04
3493.00	12.74	171.86	3456.04	-379.15	-379.15	56.73	2.02
3587.00	12.92	170.56	3547.70	-399.77	-399.77	59.92	0.36
3681.00	12.40	170.24	3639.41	-420.09	-420.09	63.36	0.55
3870.00	10.89	170.89	3824.51	-457.72	-457.72	69.62	0.80
3964.00	9.74	169.49	3916.99	-474.30	-474.30	72.48	1.26
4058.00	10.32	171.62	4009.56	-490.45	-490.45	75.16	0.73
4153.00	9.25	171.62	4103.18	-506.42	-506.42	77.51	1.12
4247.00	10.70	178.63	4195.76	-522.62	-522.62	78.82	2.01
4341.00	11.47	184.22	4288.00	-540.67	-540.67	78.34	1.41
4436.00	11.75	187.14	4381.06	-559.69	-559.69	76.44	0.68
4530.00	12.38	186.51	4472.98	-579.19	-579.19	74.11	0.68
4624.00	9.28	185.12	4565.30	-596.76	-596.76	72.29	3.30

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
4813.00	13.39	171.47	4750.60	-633.61	-633.61	74.17	2.58
4907.00	13.91	168.75	4841.95	-655.46	-655.46	77.99	0.88
5002.00	12.37	168.81	4934.46	-676.64	-676.64	82.20	1.62
5096.00	10.72	167.14	5026.55	-695.04	-695.04	86.10	1.79
5190.00	10.55	166.06	5118.94	-711.91	-711.91	90.12	0.27
5285.00	9.87	168.91	5212.44	-728.35	-728.35	93.78	0.90
5474.00	10.23	182.79	5398.56	-761.01	-761.01	96.07	1.29
5568.00	11.51	179.36	5490.87	-778.73	-778.73	95.77	1.53
5662.00	10.36	176.16	5583.17	-796.54	-796.54	96.44	1.38
5757.00	10.45	179.08	5676.61	-813.68	-813.68	97.15	0.56
5946.00	7.76	175.78	5863.21	-843.54	-843.54	98.37	1.45
6040.00	8.53	172.45	5956.26	-856.77	-856.77	99.75	0.96
6134.00	8.38	169.08	6049.24	-870.41	-870.41	101.96	0.55
6228.00	9.15	161.44	6142.14	-884.22	-884.22	105.64	1.48
6322.00	9.42	160.87	6234.91	-898.58	-898.58	110.54	0.31
6417.00	7.80	157.51	6328.84	-911.88	-911.88	115.55	1.79
6511.00	6.47	152.49	6422.11	-922.47	-922.47	120.44	1.56
6606.00	5.00	153.17	6516.63	-930.91	-930.91	124.78	1.55
6700.00	2.71	164.56	6610.42	-936.70	-936.70	127.21	2.55
6795.00	1.47	93.47	6705.36	-938.94	-938.94	129.03	2.77

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
6889.00	1.02	103.94	6799.34	-939.22	-939.22	131.05	0.54
6936.00	0.98	83.29	6846.33	-939.27	-939.27	131.86	0.77
6983.00	4.00	9.62	6893.29	-937.61	-937.61	132.53	8.16
7030.00	9.00	4.30	6939.98	-932.33	-932.33	133.08	10.72
7078.00	12.61	6.68	6987.12	-923.38	-923.38	133.97	7.57
7125.00	16.80	9.46	7032.57	-911.57	-911.57	135.68	9.04
7172.00	19.28	8.21	7077.25	-897.19	-897.19	137.91	5.34
7219.00	21.11	3.89	7121.36	-881.06	-881.06	139.59	5.02
7266.00	24.83	4.90	7164.63	-862.78	-862.78	141.01	7.95
7313.00	26.77	4.60	7206.94	-842.40	-842.40	142.70	4.14
7361.00	29.62	1.94	7249.25	-819.76	-819.76	143.97	6.49
7408.00	35.06	359.04	7288.94	-794.64	-794.64	144.14	12.03
7455.00	40.34	353.41	7326.13	-766.00	-766.00	142.16	13.41
7502.00	47.85	353.61	7359.86	-733.52	-733.52	138.47	15.97
7549.00	55.08	354.65	7389.12	-696.97	-696.97	134.73	15.49
7596.00	60.04	355.03	7414.32	-657.48	-657.48	131.17	10.56
7644.00	63.53	359.30	7437.02	-615.26	-615.26	129.11	10.70
7691.00	68.33	359.19	7456.19	-572.36	-572.36	128.54	10.22
7738.00	70.01	0.18	7472.90	-528.44	-528.44	128.30	4.07

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7785.00	73.65	0.91	7487.56	-483.79	-483.79	128.73	7.89
7833.00	77.50	2.00	7499.51	-437.33	-437.33	129.91	8.31
7880.00	80.21	0.51	7508.60	-391.23	-391.23	130.92	6.55
8052.00	88.66	357.04	7525.27	-220.26	-220.26	127.23	5.31
8241.00	90.47	359.19	7526.71	-31.39	-31.39	121.01	1.49
8430.00	91.68	2.76	7523.17	157.51	157.51	124.23	1.99
8619.00	91.95	4.39	7517.18	346.05	346.05	136.01	0.87
8713.00	91.75	2.79	7514.15	439.81	439.81	141.89	1.71
8808.00	90.40	2.14	7512.37	534.70	534.70	145.97	1.57
8902.00	88.99	2.14	7512.86	628.63	628.63	149.49	1.50
9090.00	90.03	1.75	7514.46	816.52	816.52	155.87	0.59
9185.00	91.01	0.60	7513.59	911.49	911.49	157.81	1.59
9279.00	92.02	0.13	7511.12	1005.45	1005.45	158.40	1.18
9468.00	91.24	358.52	7505.74	1194.36	1194.36	156.19	0.94
9563.00	90.30	358.21	7504.46	1289.31	1289.31	153.48	1.04
9657.00	88.52	358.49	7505.43	1383.26	1383.26	150.78	1.92
9751.00	87.92	358.16	7508.35	1477.17	1477.17	148.03	0.73
9846.00	89.02	358.31	7510.88	1572.09	1572.09	145.11	1.18
10129.00	87.55	358.10	7519.35	1854.82	1854.82	136.23	0.53
10224.00	89.13	357.64	7522.11	1949.71	1949.71	132.69	1.73

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	%/100ft
10318.00	91.18	356.84	7521.86	2043.59	2043.59	128.16	2.34
10413.00	91.14	357.90	7519.94	2138.47	2138.47	123.81	1.12
10507.00	89.87	358.04	7519.11	2232.41	2232.41	120.48	1.37
10696.00	90.27	359.54	7518.89	2421.36	2421.36	116.50	0.82
10790.00	91.41	359.46	7517.51	2515.35	2515.35	115.69	1.22
10884.00	90.91	359.84	7515.61	2609.32	2609.32	115.11	0.67
11073.00	89.36	359.62	7515.16	2798.32	2798.32	114.23	0.83
11167.00	88.19	359.14	7517.18	2892.29	2892.29	113.22	1.35
11356.00	90.97	359.31	7518.56	3081.25	3081.25	110.67	1.48
11450.00	91.68	359.17	7516.38	3175.21	3175.21	109.43	0.76
11545.00	89.87	359.89	7515.10	3270.20	3270.20	108.65	2.05
11734.00	90.57	0.74	7514.38	3459.19	3459.19	109.70	0.59
11828.00	88.59	1.62	7515.07	3553.16	3553.16	111.64	2.31
11922.00	87.41	2.73	7518.35	3647.03	3647.03	115.21	1.72
12111.00	87.98	1.09	7525.95	3835.77	3835.77	121.50	0.92
12206.00	90.37	0.45	7527.31	3930.74	3930.74	122.77	2.60
12300.00	90.07	359.79	7526.95	4024.74	4024.74	122.97	0.77
12488.00	91.11	359.60	7525.02	4212.73	4212.73	121.98	0.56
12583.00	91.08	358.93	7523.21	4307.70	4307.70	120.76	0.71

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

5" = 100' FEET MD