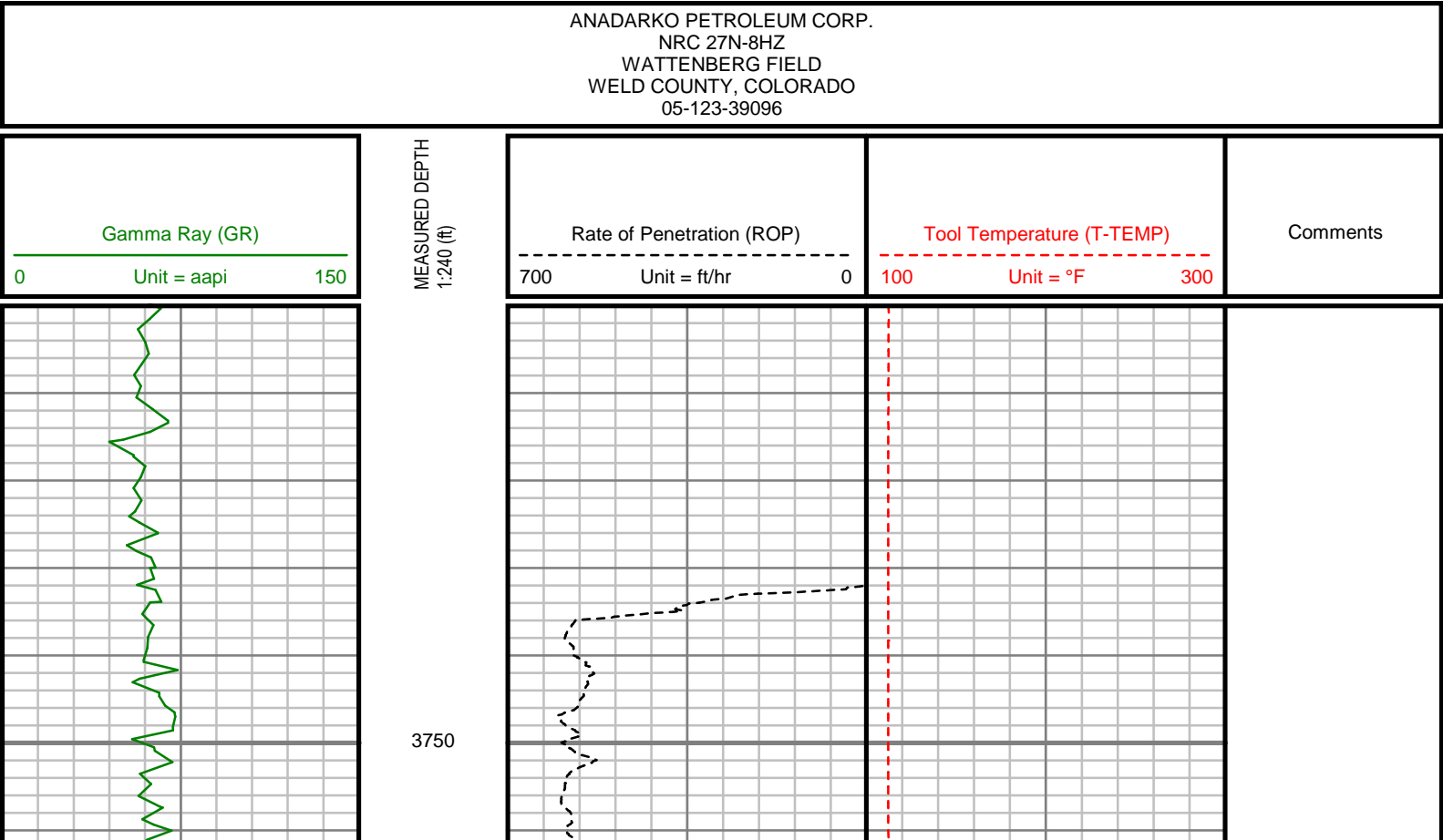
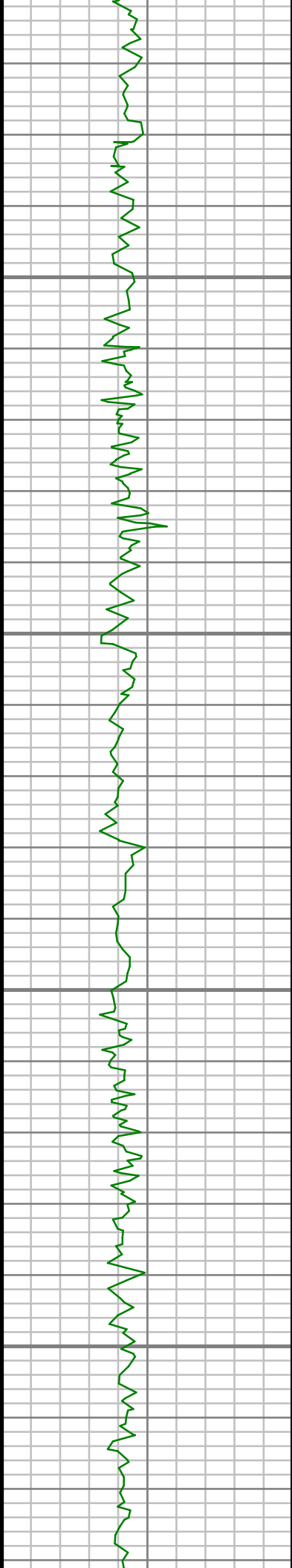


Remarks
ANADARKO PETROLEUM CORP. PRODUCTION AFE# 2085773
SCIENTIFIC DRILLING INTERNATIONAL JOB# 138065
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
RUN # 1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-070 / CONT = 590 / MWD EYE =386 / GAMMA RAY =1031
BIT TO SENSOR OFFSETS: SURVEY = 52.42 FT. / GAMMA RAY = 43.17 FT.
RUN # 2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 078-029 / CONT = 819 / MWD EYE = 826 / GAMMA RAY =1101
BIT TO SENSOR OFFSETS: SURVEY = 58.01 FT. / GAMMA RAY = 48.76 FT.
SURVEY WELL NOTES:
SURVEYS FROM 0.0 FT. TO 1248 FT. WERE ACQUIRED BY MS GYRO MWD.
SURVEYS FROM 1248 FT. TO 12720 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.



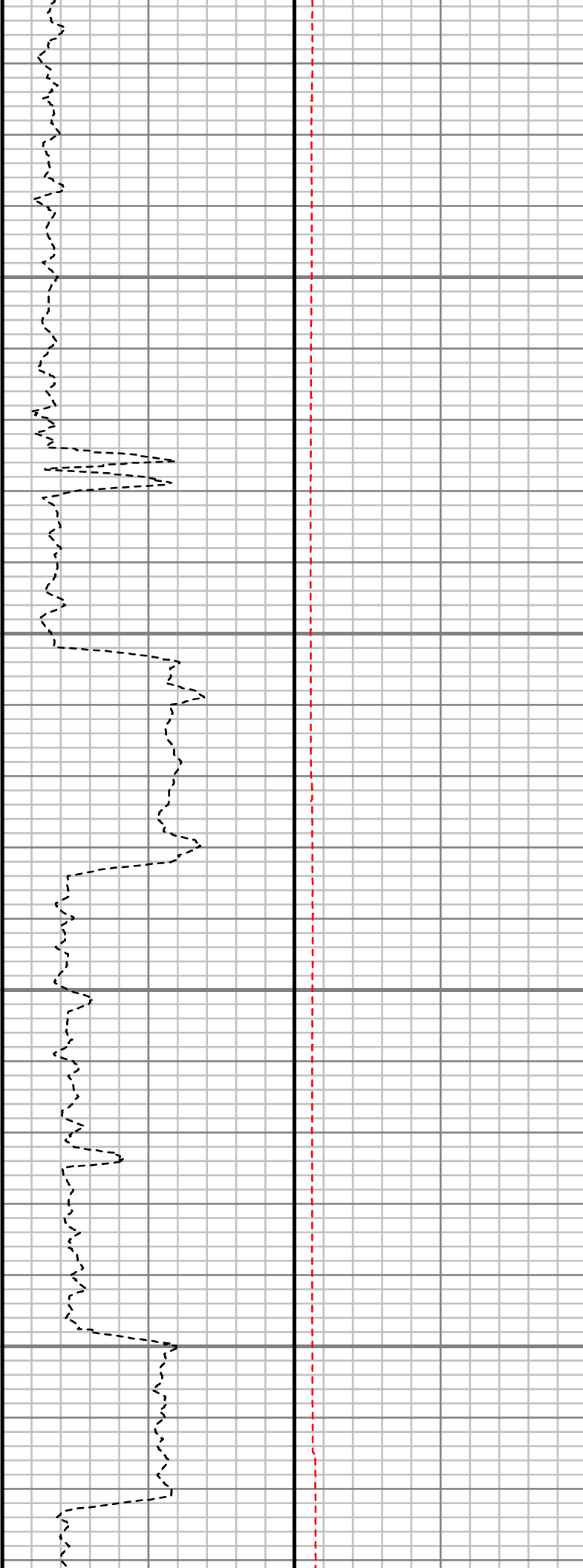


3800

3850

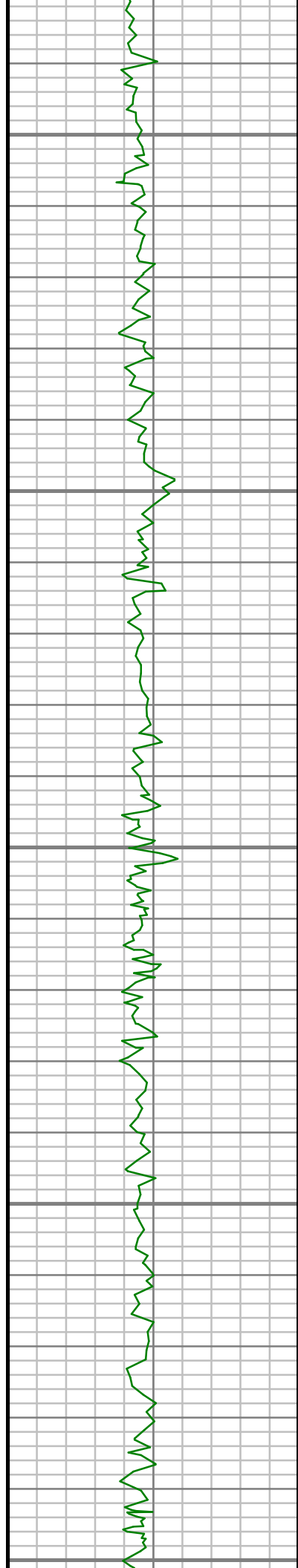
3900

3950



S: 38 MD: 3866.00 ft
Inc: 9.63 deg Az:
198.27 deg TVD:
3829.37 ft

S: 39 MD: 3960.00 ft
Inc: 11.56 deg Az:
189.11 deg TVD:
3921.77 ft



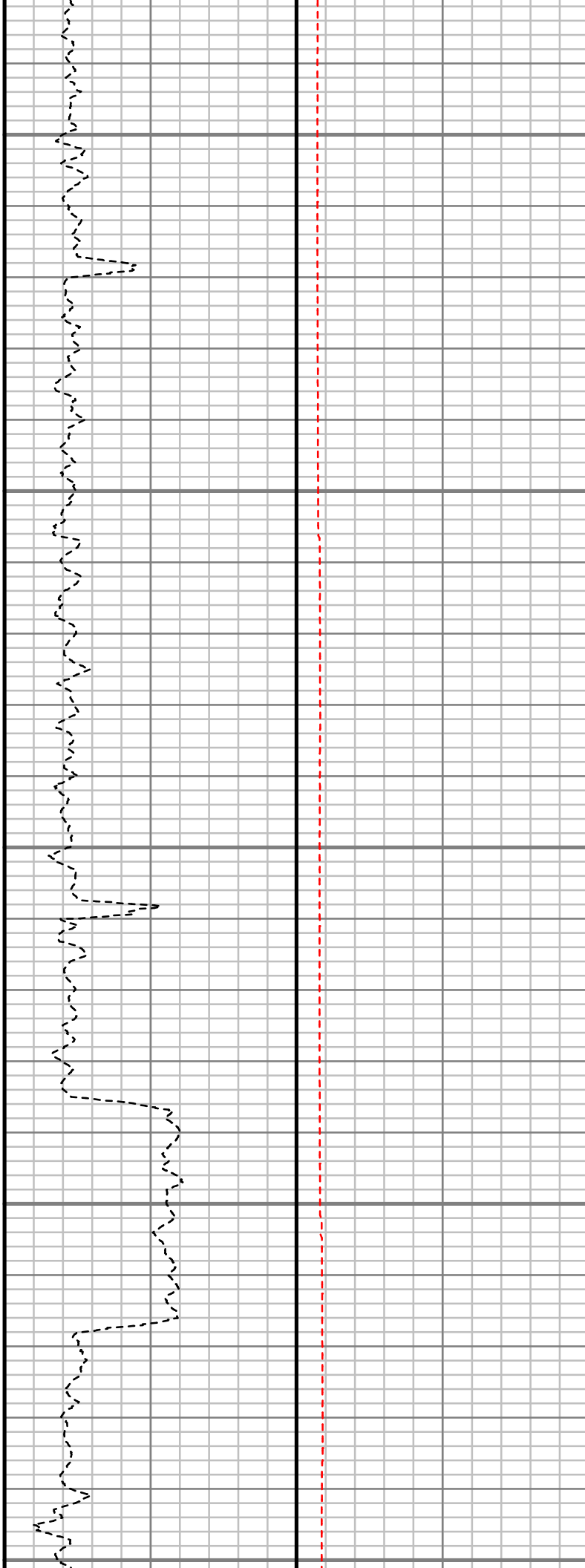
4000

4050

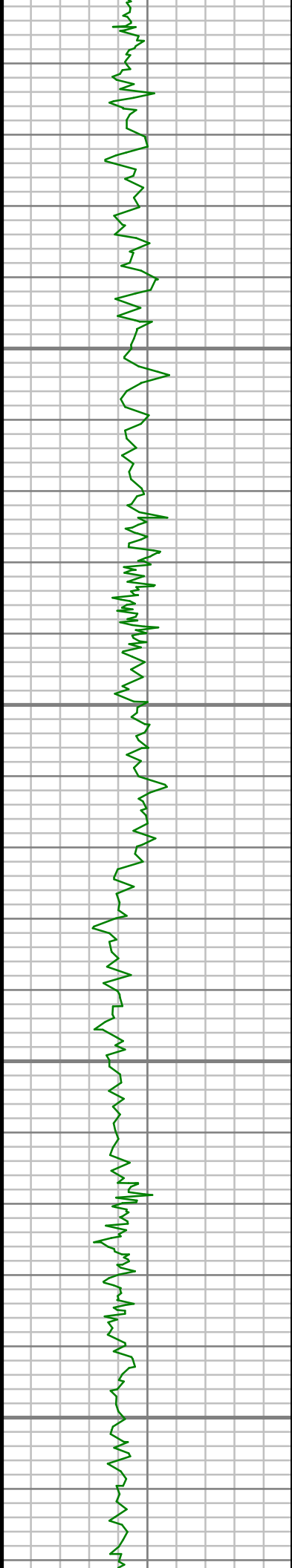
4100

4150

4200



S: 40 MD: 4055.00 ft
Inc: 9.21 deg Az:
188.54 deg TVD:
4015.21 ft

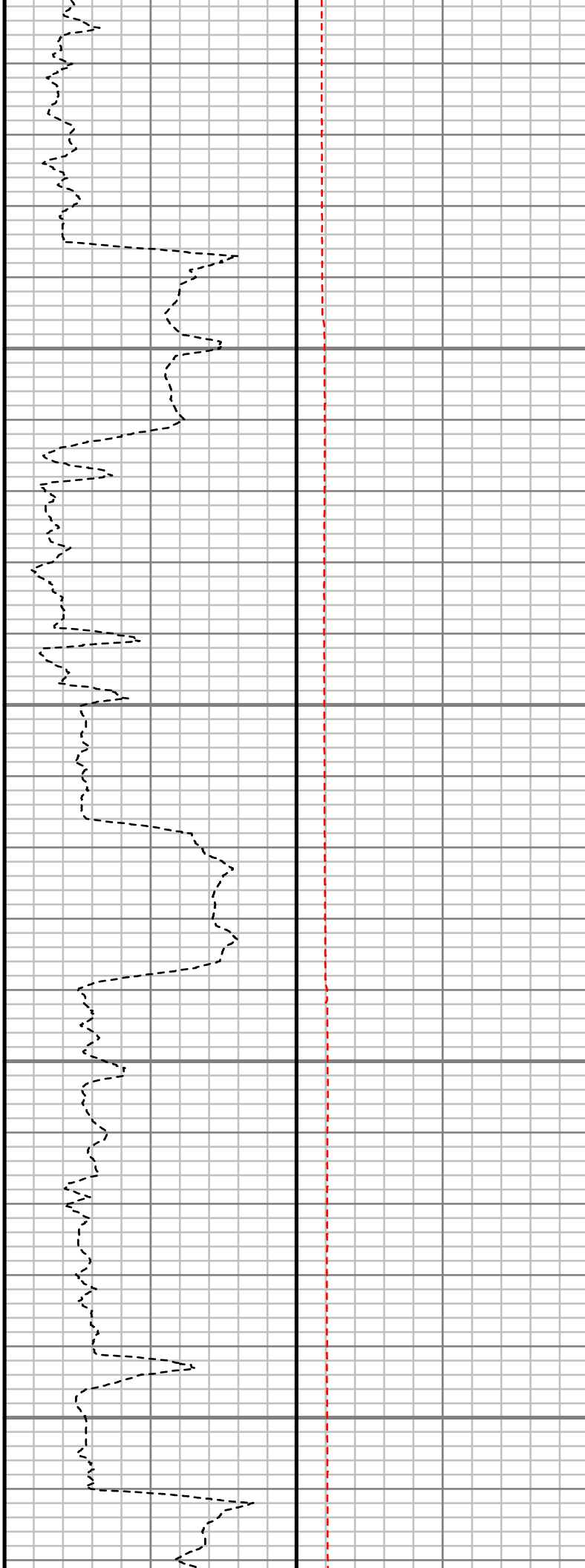


4250

4300

4350

4400

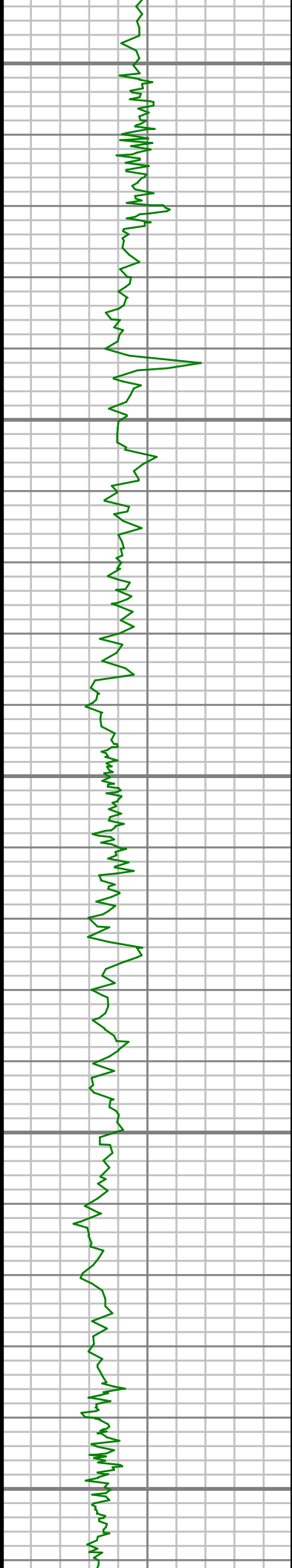


S: 41 MD: 4243.00 ft
Inc: 8.74 deg Az:
200.47 deg TVD:
4200.92 ft

S: 42 MD: 4337.00 ft
Inc: 10.01 deg Az:
197.67 deg TVD:
4293.66 ft

S: 43 MD: 4431.00 ft
Inc: 11.28 deg Az:
196.23 deg TVD:
4386.04 ft

S: 44 MD: 4526.00 ft
Inc: 12.15 deg Az:
188.96 deg TVD:
4479.07 ft



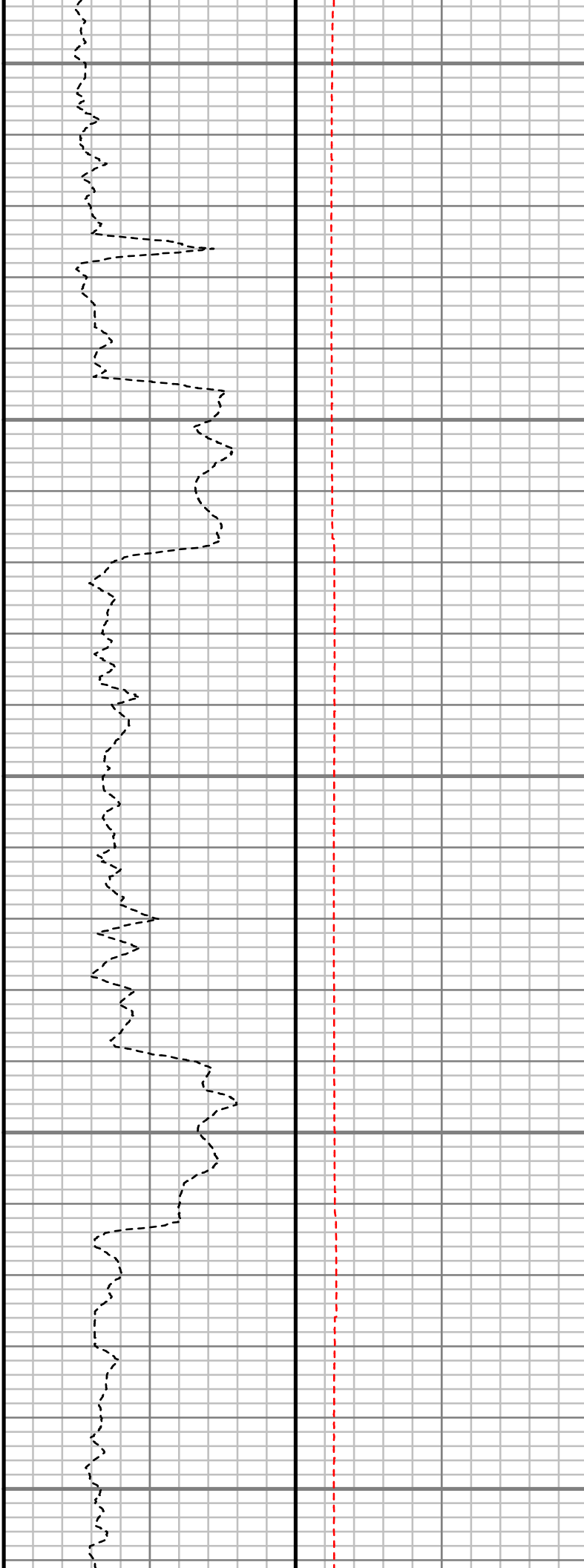
4650

4700

4750

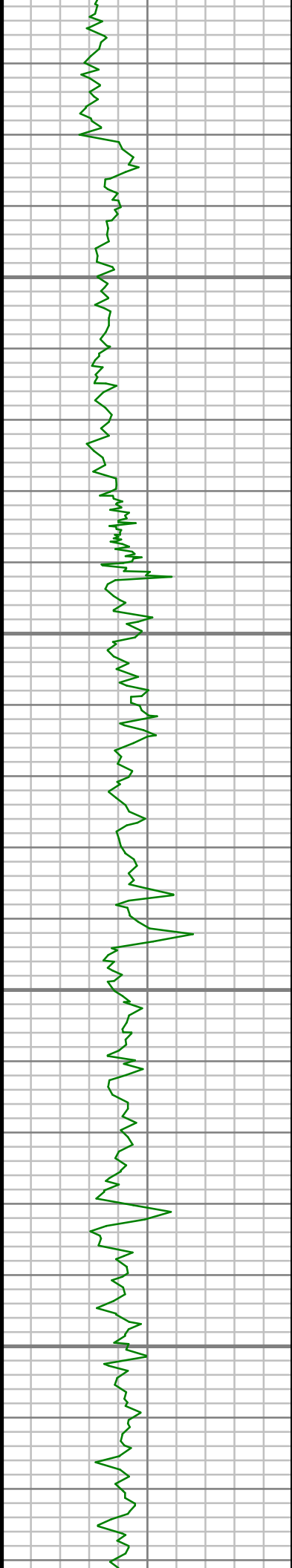
4800

4850



S: 45 MD: 4714.00 ft
Inc: 8.51 deg Az:
180.50 deg TVD:
4664.00 ft

S: 46 MD: 4809.00 ft
Inc: 10.45 deg Az:
181.96 deg TVD:
4757.70 ft

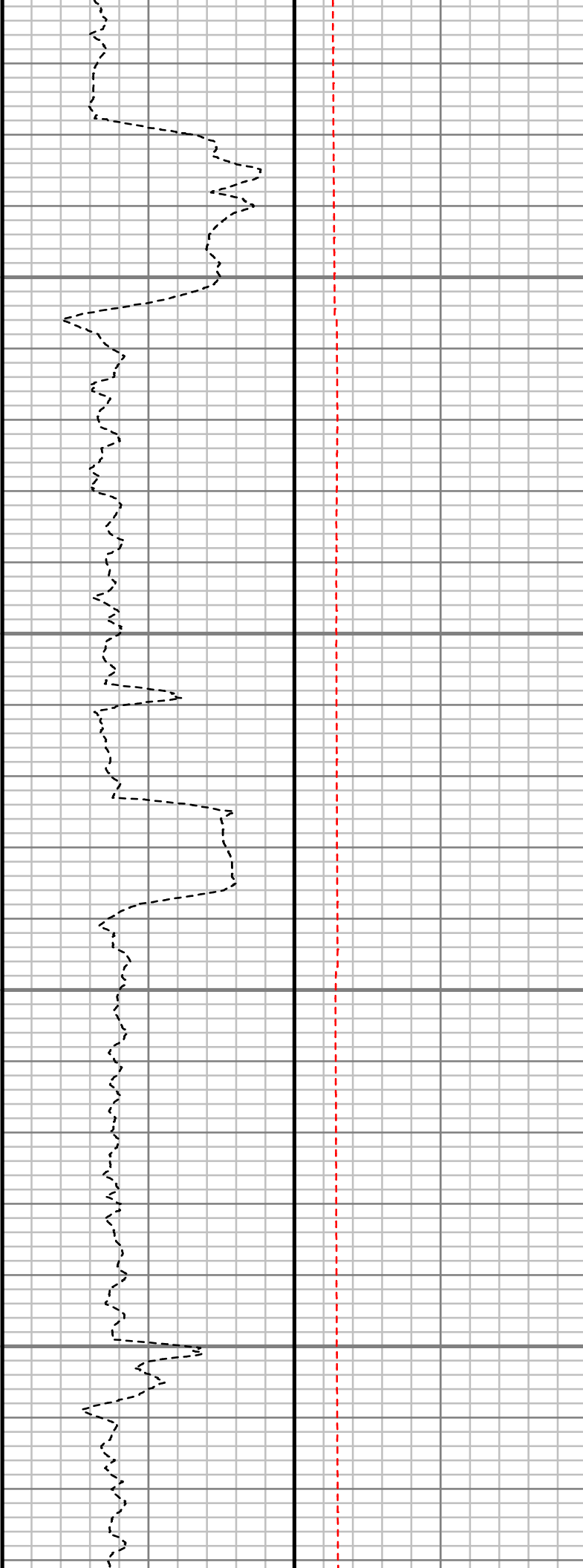


4900

4950

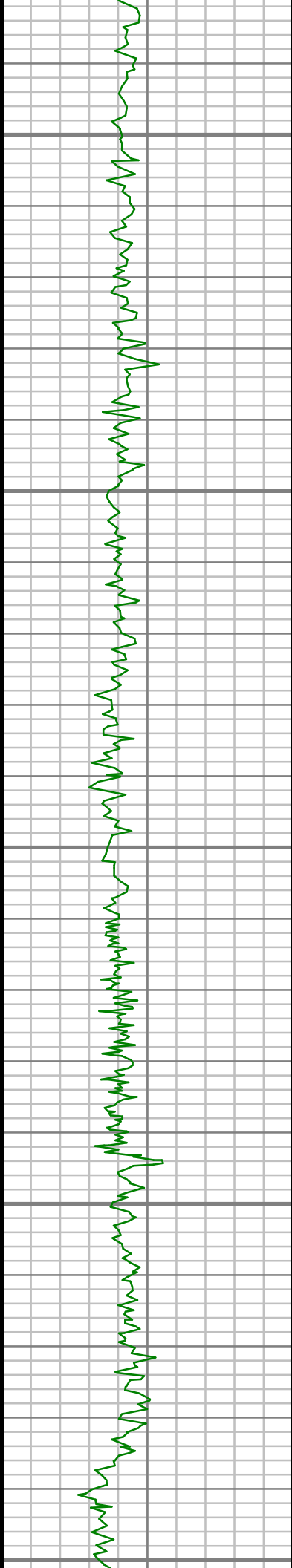
5000

5050



S: 47 MD: 4903.00 ft
Inc: 12.58 deg Az:
185.83 deg TVD:
4849.80 ft

S: 48 MD: 4998.00 ft
Inc: 14.00 deg Az:
185.84 deg TVD:
4942.26 ft



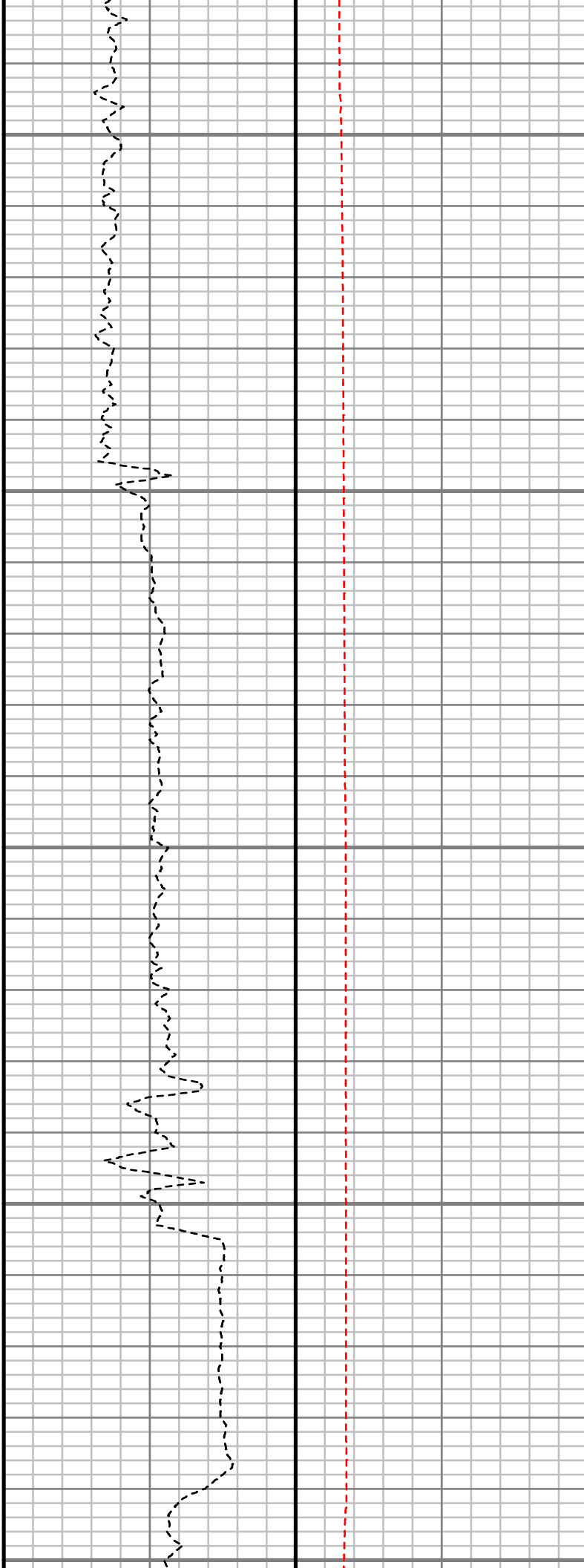
5100

5150

5200

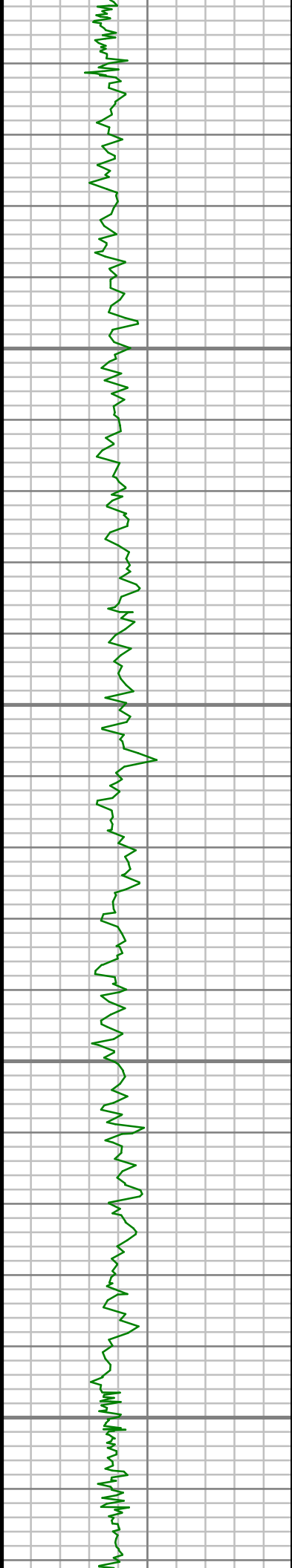
5250

5300



S: 49 MD: 5092.00 ft
Inc: 12.92 deg Az:
185.97 deg TVD:
5033.67 ft

S: 50 MD: 5281.00 ft
Inc: 10.04 deg Az:
181.24 deg TVD:
5218.87 ft

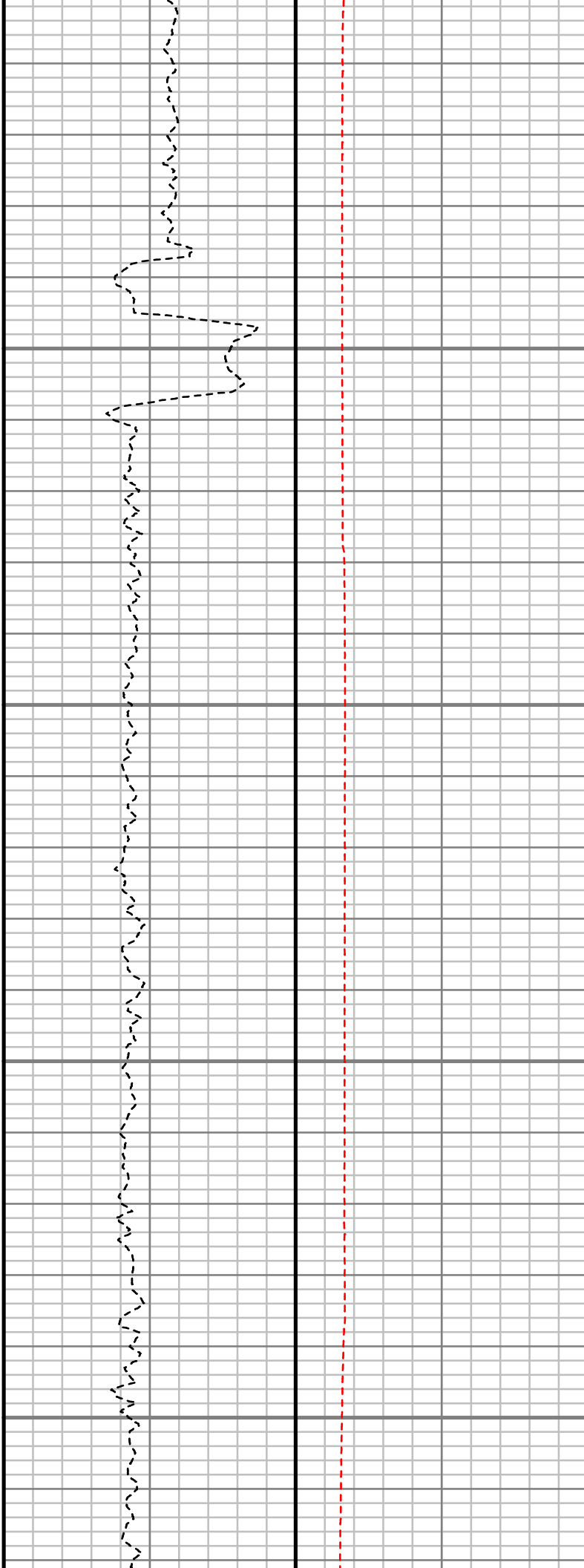


5350

5400

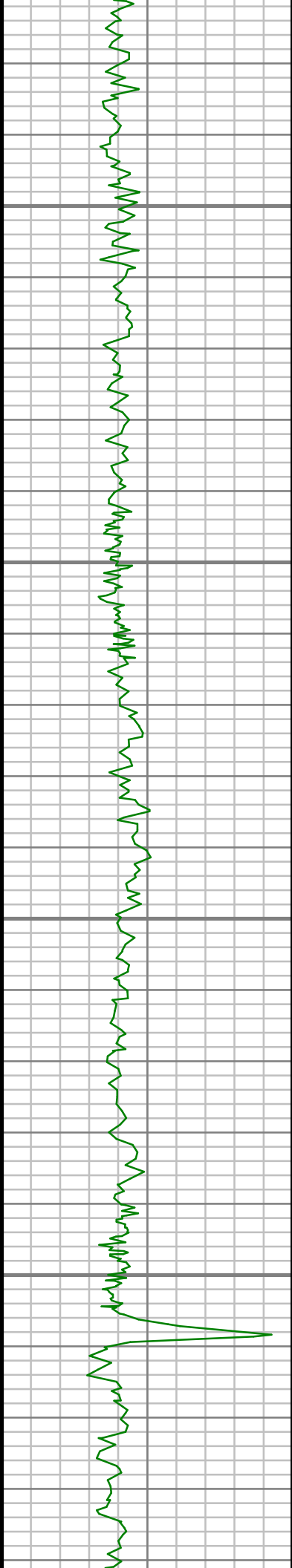
5450

5500



S: 51 MD: 5375.00 ft
Inc: 10.70 deg Az:
187.84 deg TVD:
5311.34 ft

S: 52 MD: 5469.00 ft
Inc: 8.57 deg Az:
187.26 deg TVD:
5404.01 ft

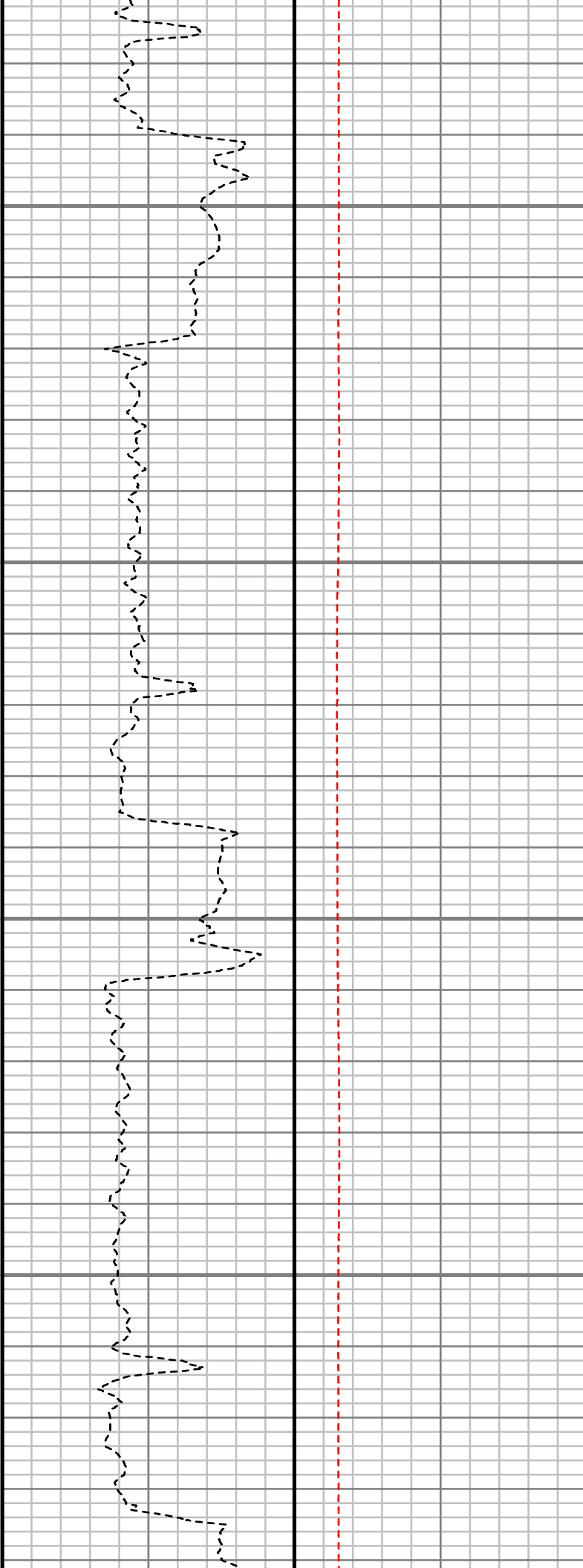


5550

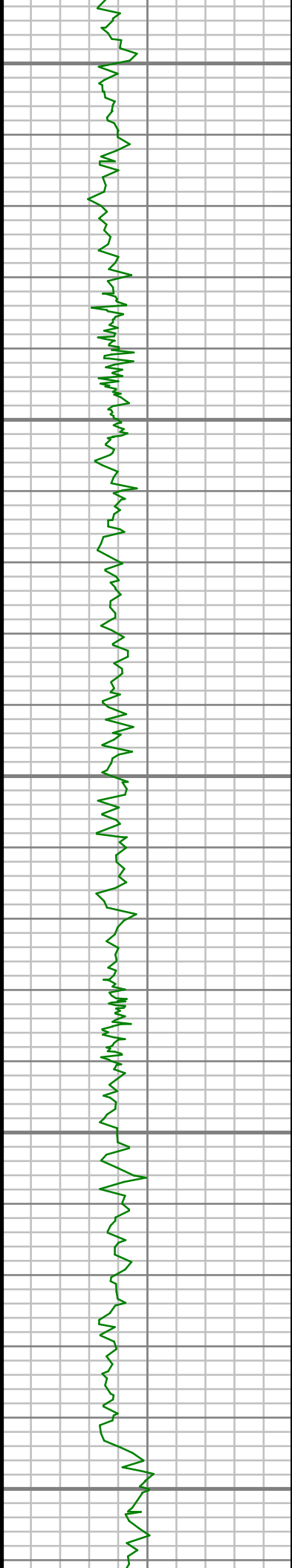
5600

5650

5700



S: 53 MD: 5658.00 ft
Inc: 9.77 deg Az:
186.15 deg TVD:
5590.59 ft



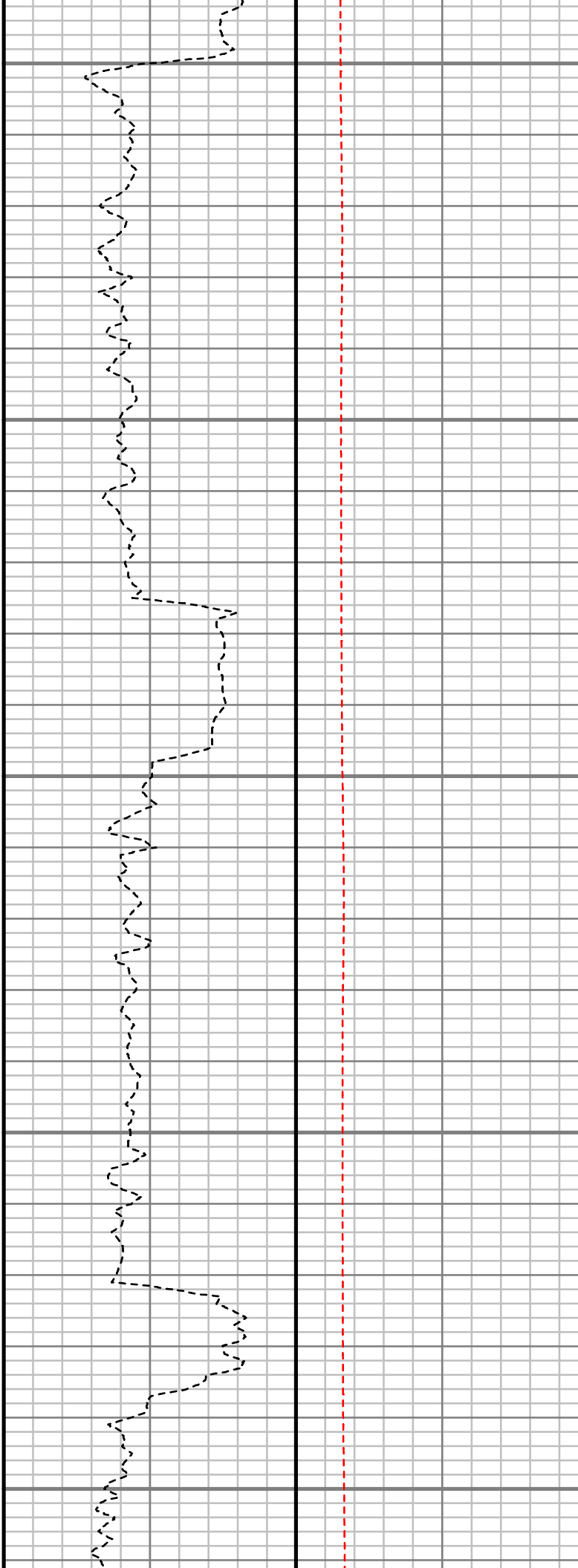
5750

5800

5850

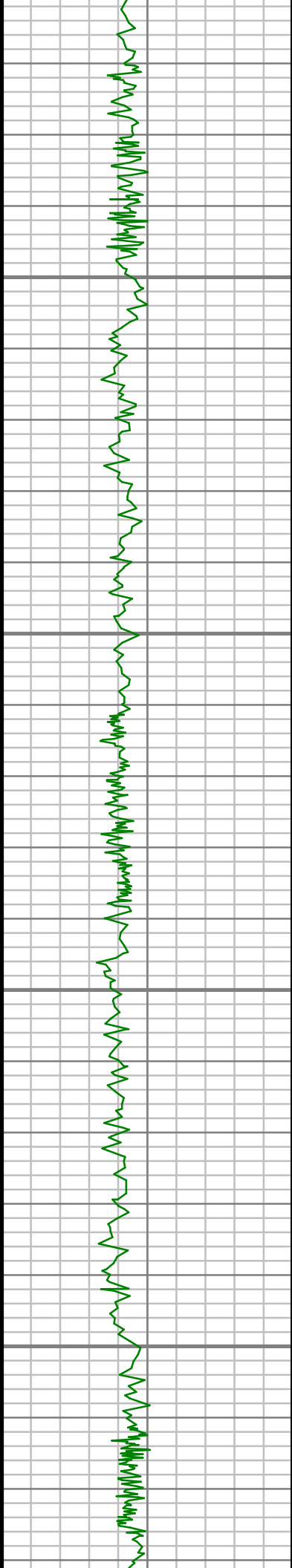
5900

5950



S: 54 MD: 5847.00 ft
Inc: 11.64 deg Az:
194.93 deg TVD:
5776.31 ft

S: 55 MD: 5941.00 ft
Inc: 10.23 deg Az:
186.16 deg TVD:
5868.60 ft

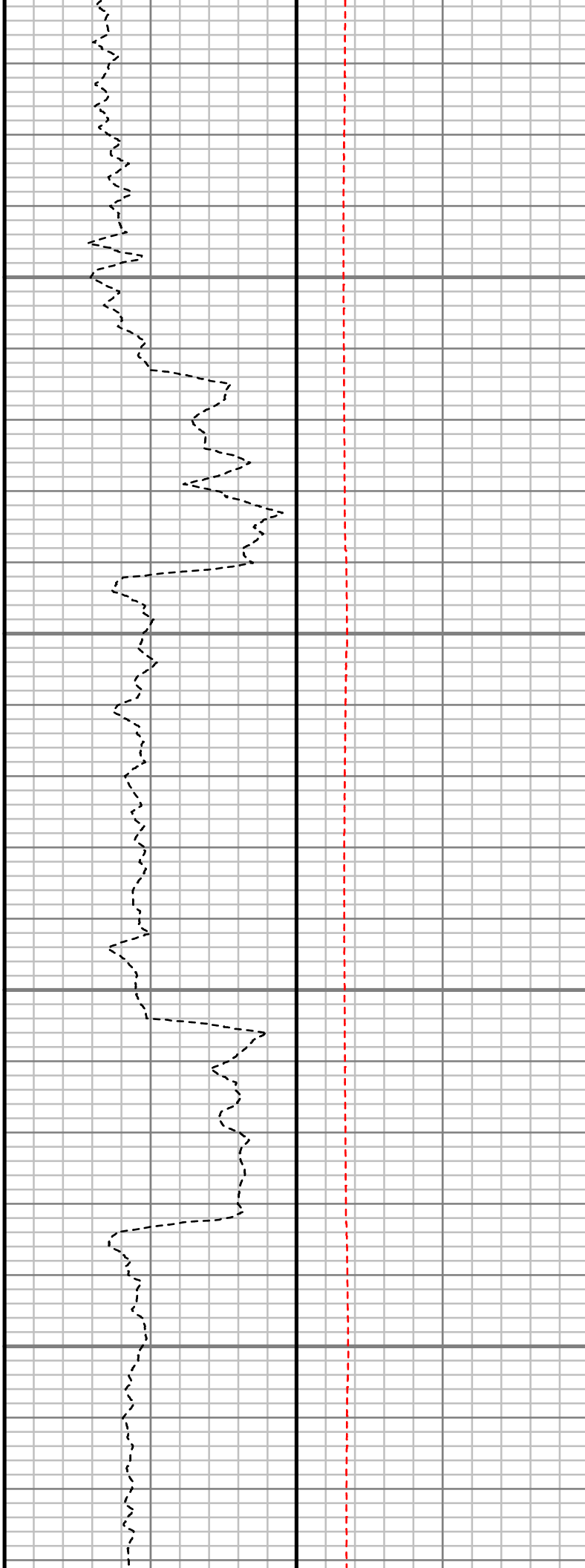


6000

6050

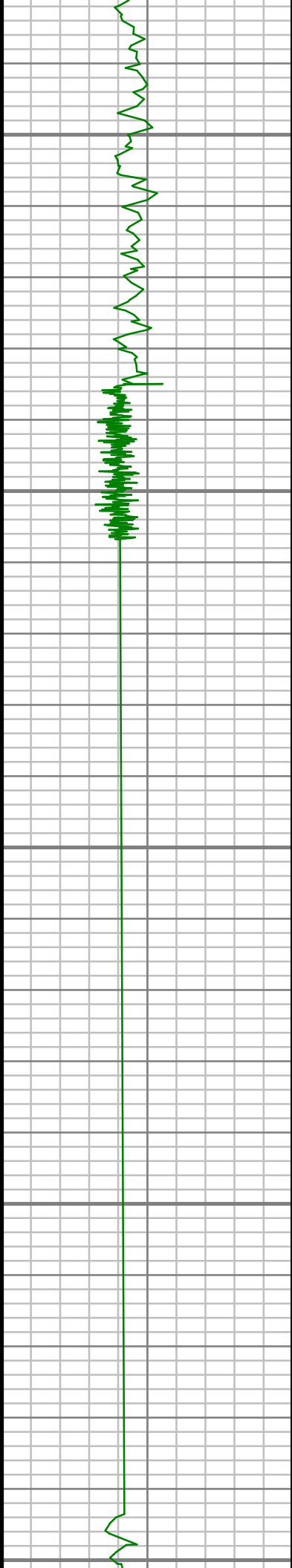
6100

6150



S: 56 MD: 6036.00 ft
Inc: 9.68 deg Az:
186.66 deg TVD:
5962.17 ft

S: 57 MD: 6130.00 ft
Inc: 11.81 deg Az:
183.48 deg TVD:
6054.52 ft



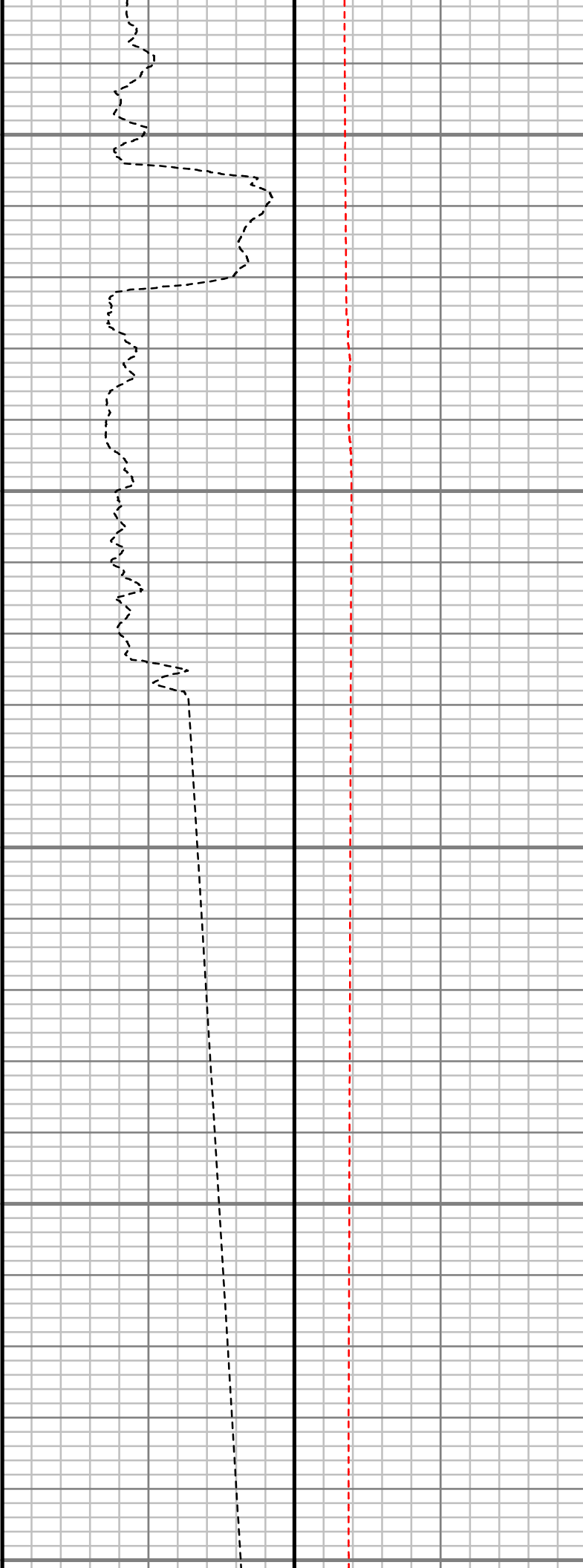
6200

6250

6300

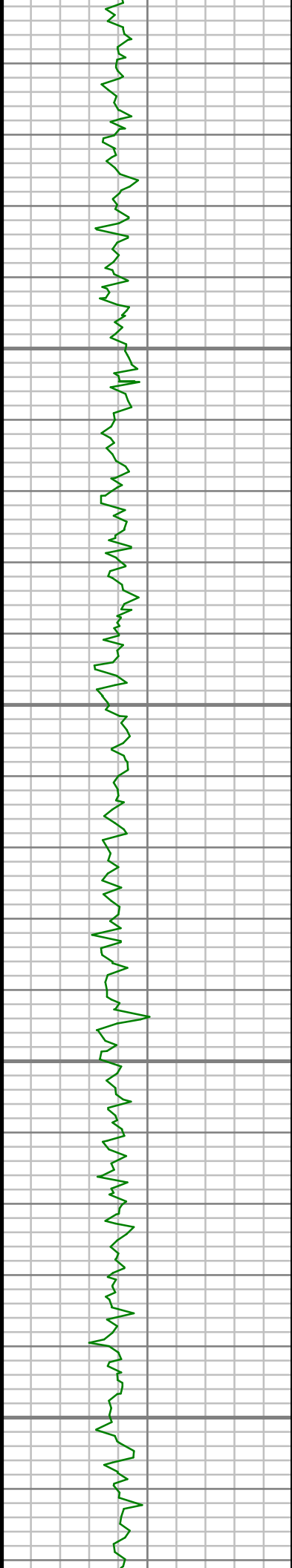
6350

6400



S: 58 MD: 6225.00 ft
Inc: 10.33 deg Az:
187.17 deg TVD:
6147.75 ft

S: 59 MD: 6319.00 ft
Inc: 10.58 deg Az:
185.01 deg TVD:
6240.19 ft

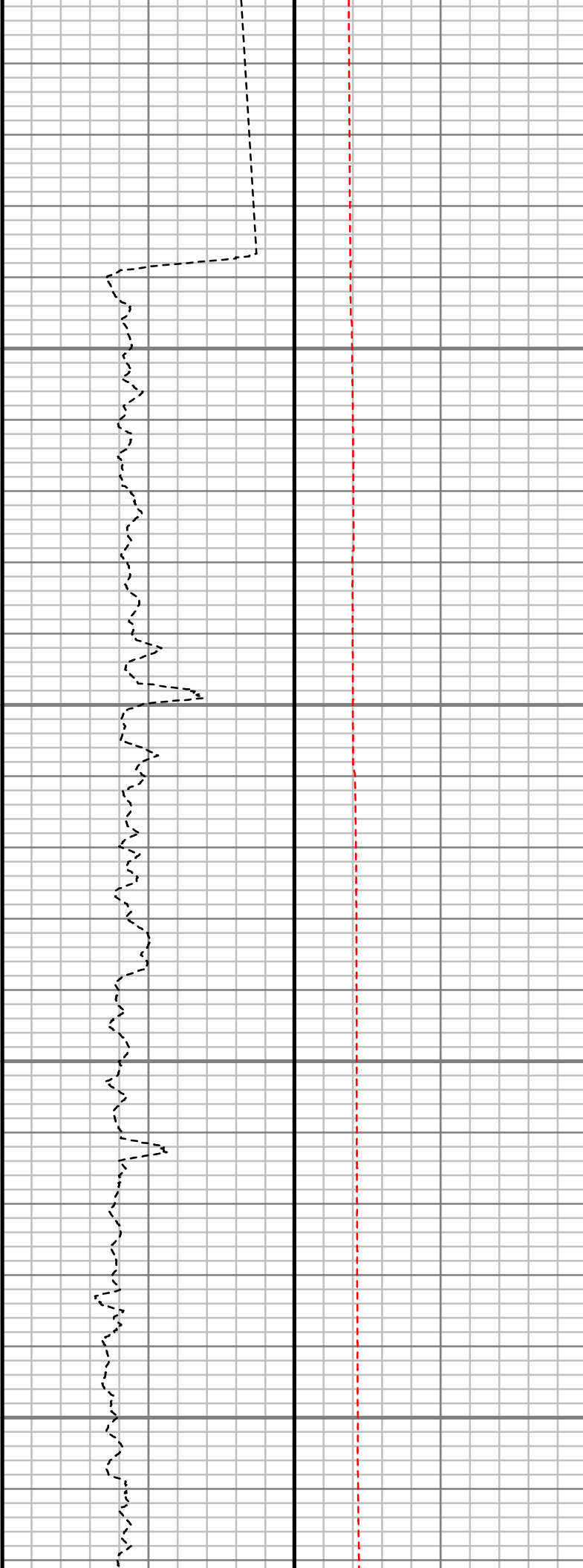


6450

6500

6550

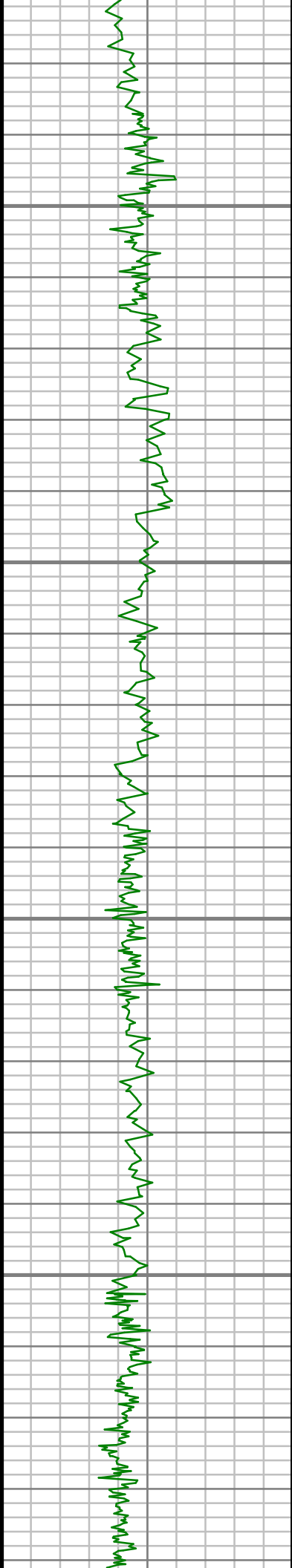
6600



S: 60 MD: 6413.00 ft
Inc: 10.11 deg Az:
194.28 deg TVD:
6332.67 ft

S: 61 MD: 6508.00 ft
Inc: 8.33 deg Az:
190.82 deg TVD:
6426.44 ft

S: 62 MD: 6602.00 ft
Inc: 6.56 deg Az:
188.09 deg TVD:
6519.64 ft

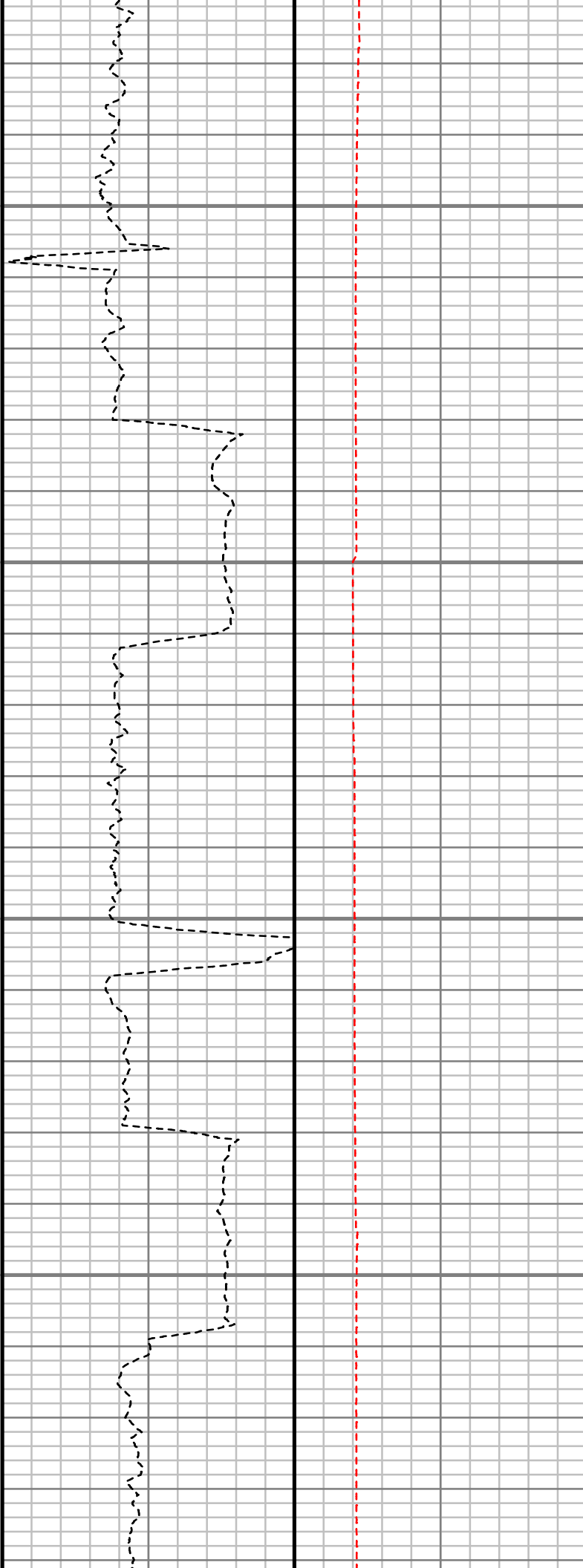


6650

6700

6750

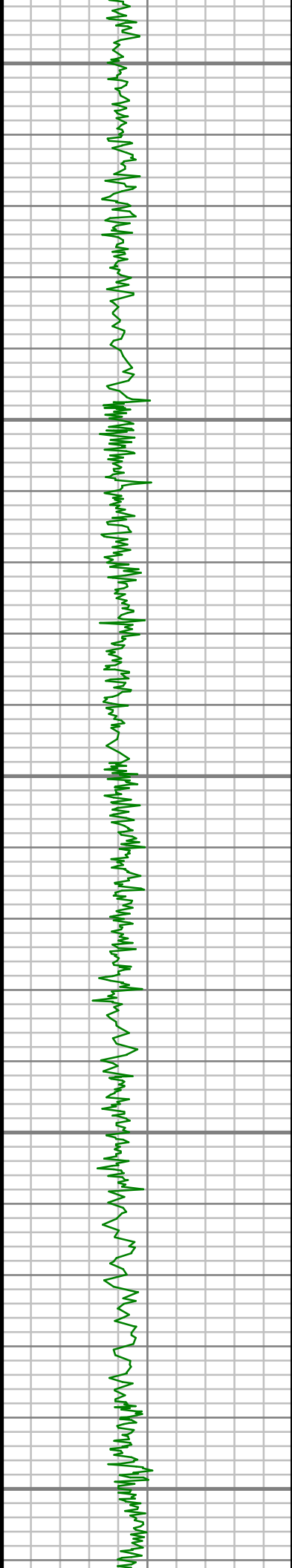
6800



S: 63 MD: 6697.00 ft
Inc: 6.56 deg Az:
194.32 deg TVD:
6614.02 ft

S: 64 MD: 6791.00 ft
Inc: 7.31 deg Az:
208.66 deg TVD:
6707.34 ft

S: 65 MD: 6838.00 ft



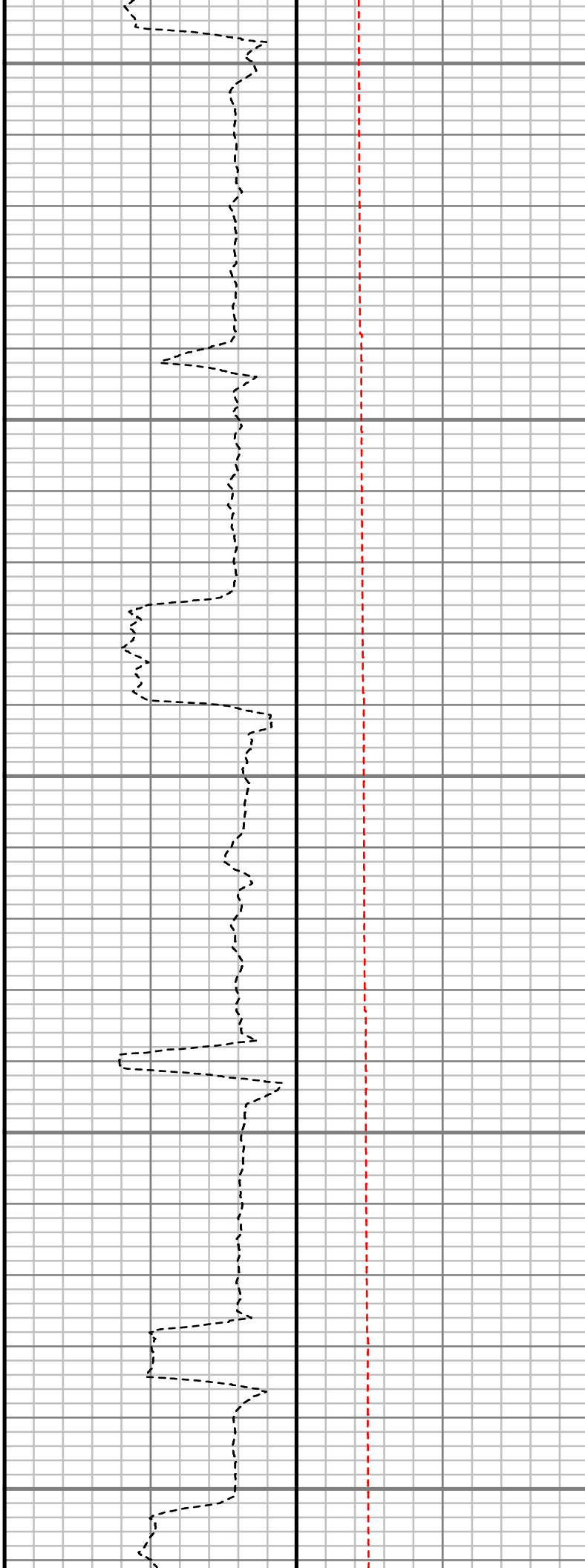
6850

6900

6950

7000

7050



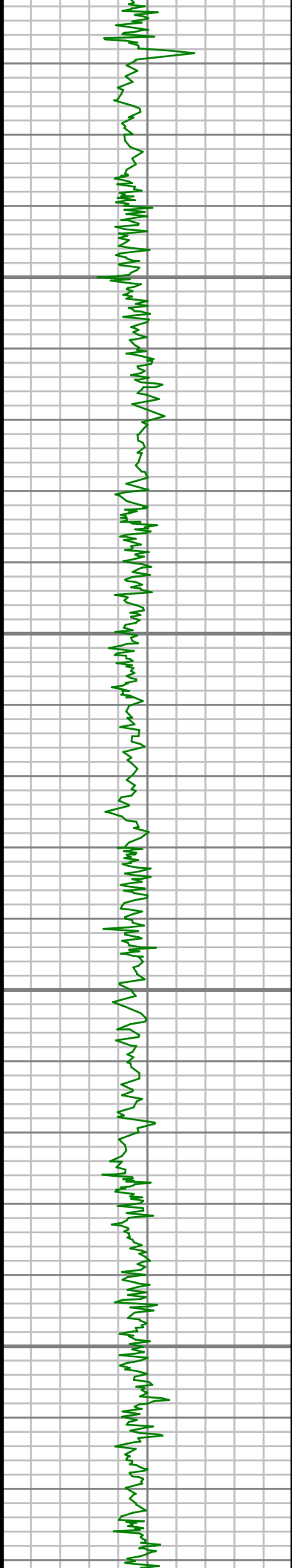
Inc: 6.75 deg Az:
224.84 deg TVD:
6753.99 ft

S: 66 MD: 6885.00 ft
Inc: 6.17 deg Az:
267.19 deg TVD:
6800.72 ft

S: 67 MD: 6932.00 ft
Inc: 7.88 deg Az:
299.94 deg TVD:
6847.38 ft

S: 68 MD: 6980.00 ft
Inc: 5.98 deg Az:
327.95 deg TVD:
6895.04 ft

S: 69 MD: 7027.00 ft
Inc: 7.81 deg Az: 4.91
deg TVD: 6941.72 ft

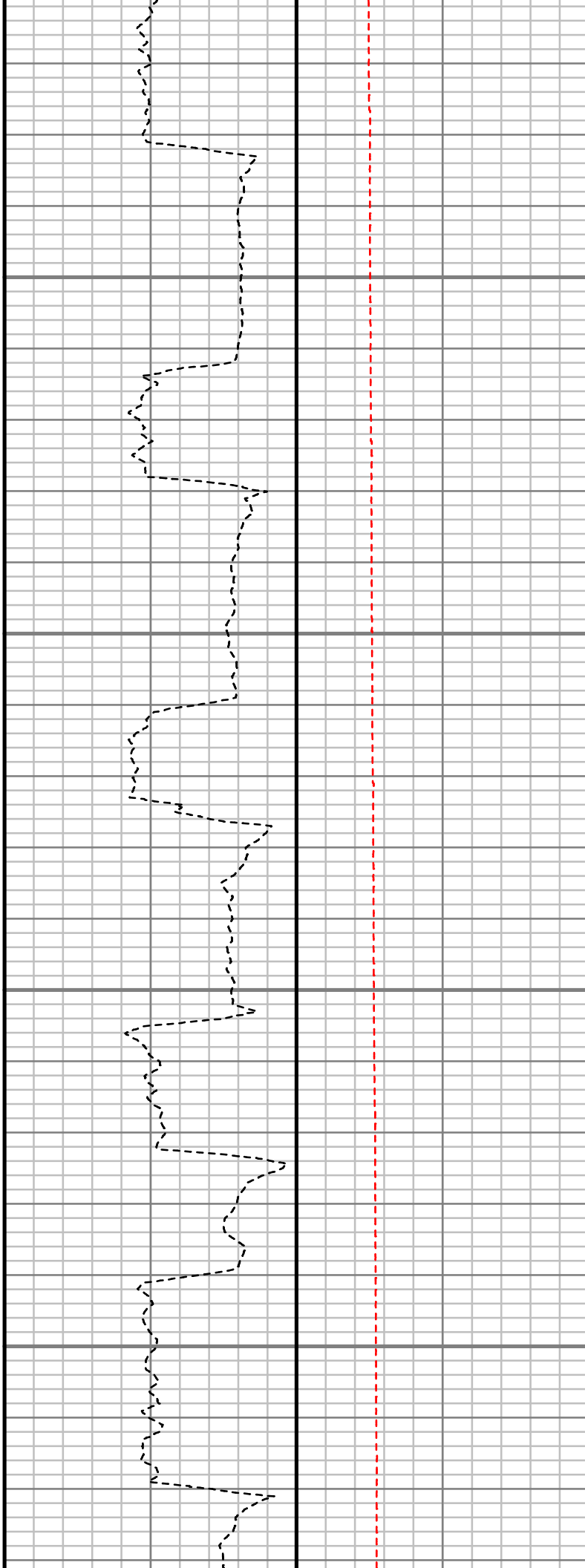


7100

7150

7200

7250



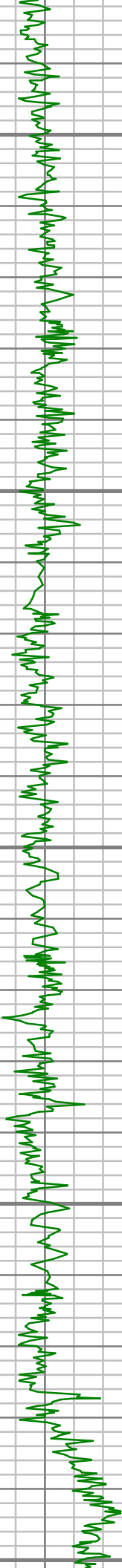
S: 70 MD: 7074.00 ft
Inc: 9.20 deg Az: 5.79
deg TVD: 6988.21 ft

S: 71 MD: 7121.00 ft
Inc: 12.27 deg Az:
359.63 deg TVD:
7034.38 ft

S: 72 MD: 7168.00 ft
Inc: 15.80 deg Az:
357.15 deg TVD:
7079.97 ft

S: 73 MD: 7215.00 ft
Inc: 18.41 deg Az:
357.00 deg TVD:
7124.88 ft

S: 74 MD: 7263.00 ft
Inc: 18.68 deg Az:
356.03 deg TVD:
7170.39 ft



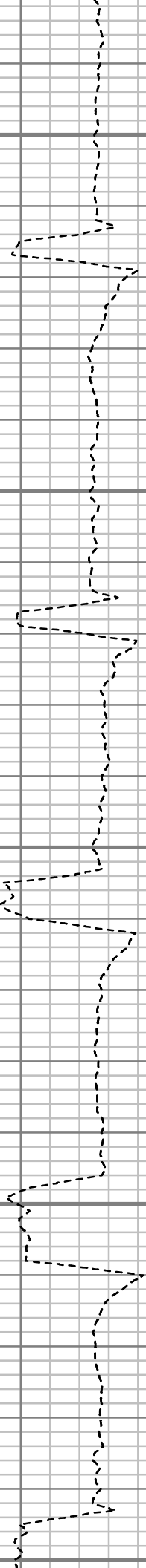
7300

7350

7400

7450

7500



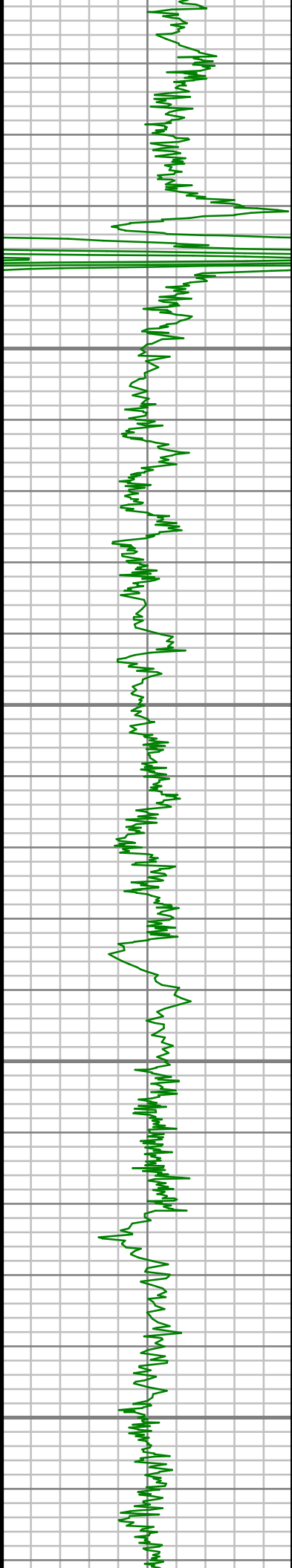
S: 75 MD: 7310.00 ft
Inc: 23.31 deg Az:
355.64 deg TVD:
7214.26 ft

S: 76 MD: 7357.00 ft
Inc: 29.43 deg Az:
355.05 deg TVD:
7256.35 ft

S: 77 MD: 7404.00 ft
Inc: 35.28 deg Az:
354.35 deg TVD:
7296.04 ft

S: 78 MD: 7451.00 ft
Inc: 40.54 deg Az:
353.12 deg TVD:
7333.11 ft

S: 79 MD: 7498.00 ft

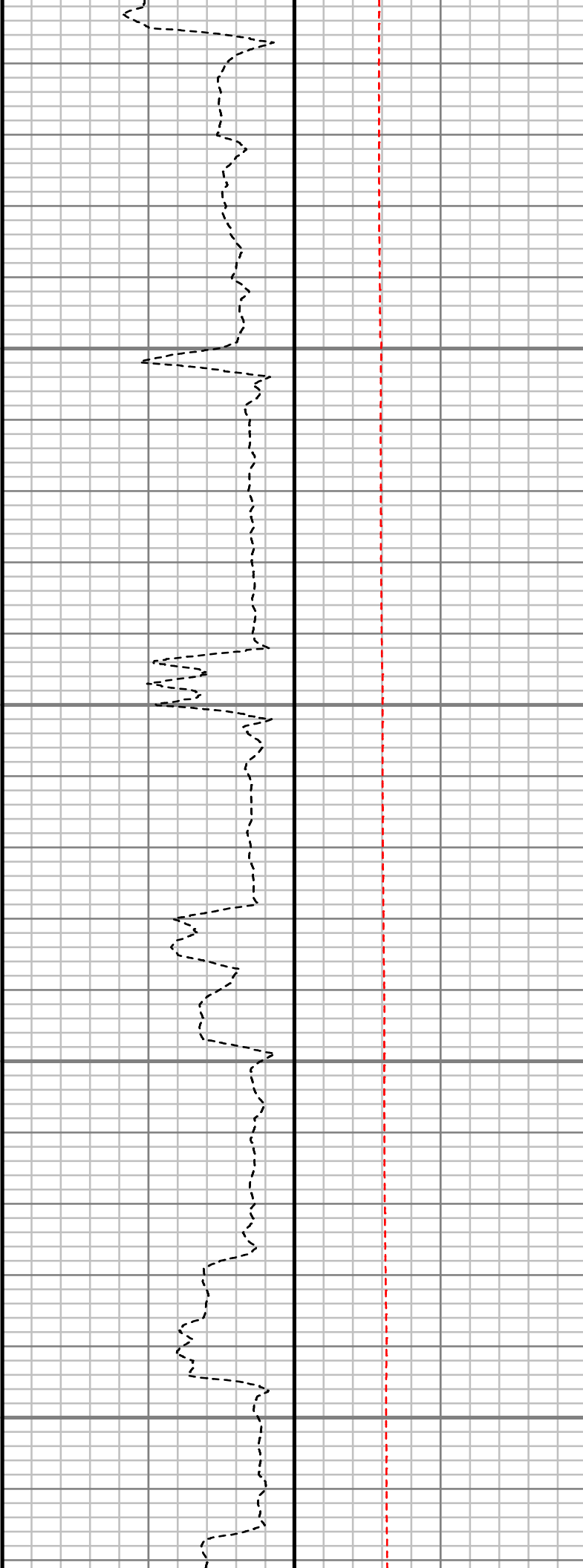


7550

7600

7650

7700



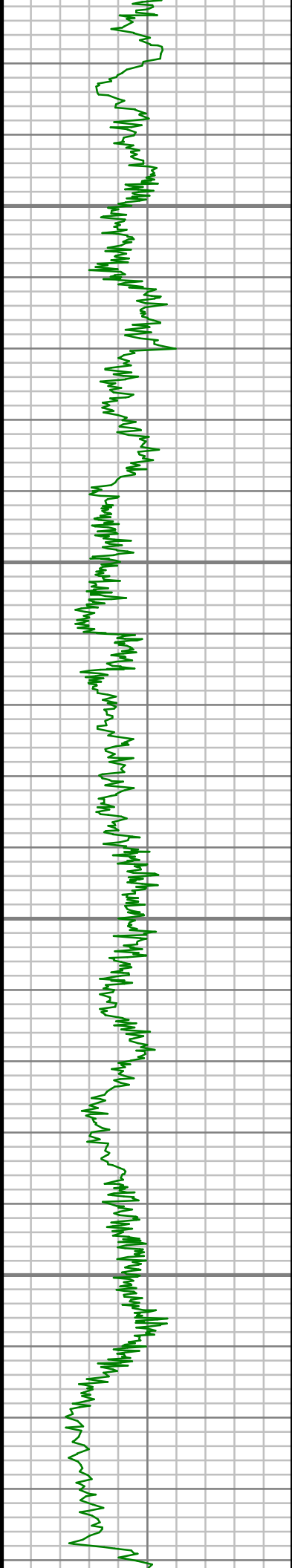
Inc: 43.87 deg Az:
355.41 deg TVD:
7367.92 ft

S: 80 MD: 7546.00 ft
Inc: 48.64 deg Az:
358.25 deg TVD:
7401.10 ft

S: 81 MD: 7593.00 ft
Inc: 54.93 deg Az:
358.62 deg TVD:
7430.16 ft

S: 82 MD: 7640.00 ft
Inc: 60.66 deg Az:
357.62 deg TVD:
7455.20 ft

S: 83 MD: 7687.00 ft
Inc: 65.49 deg Az:
357.70 deg TVD:
7476.48 ft

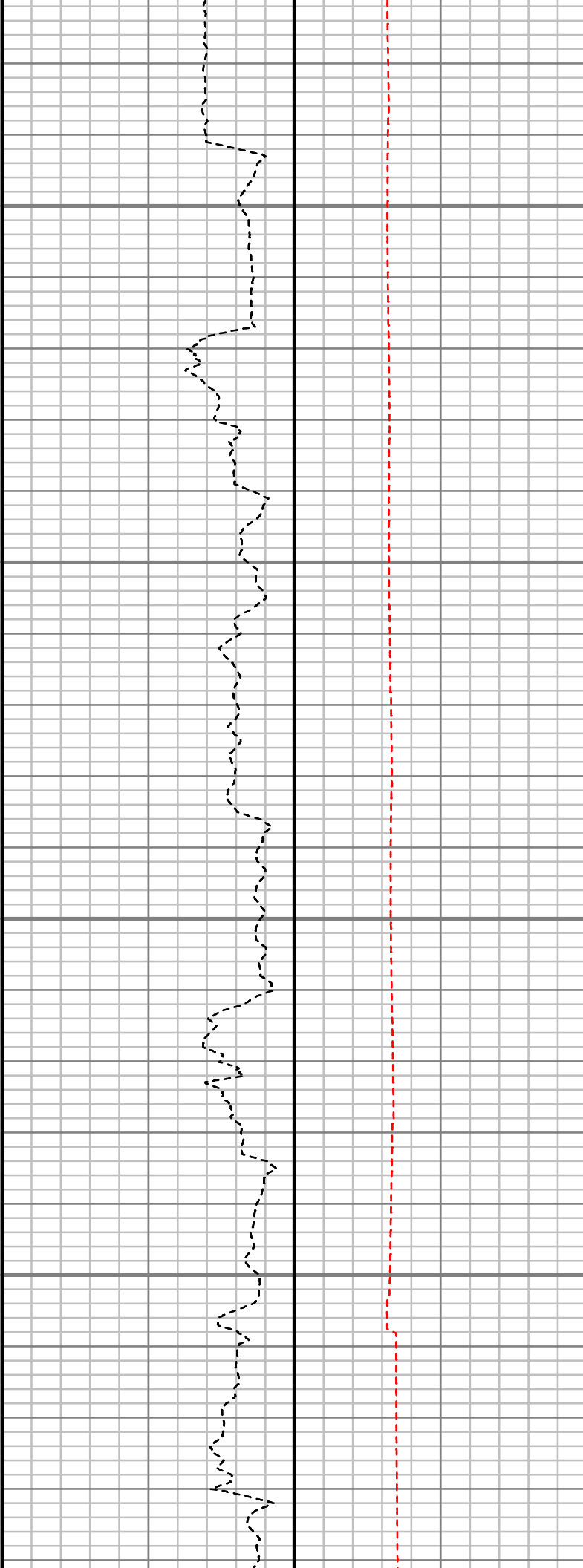


7750

7800

7850

7900



S: 84 MD: 7734.00 ft
Inc: 69.64 deg Az:
358.89 deg TVD:
7494.41 ft

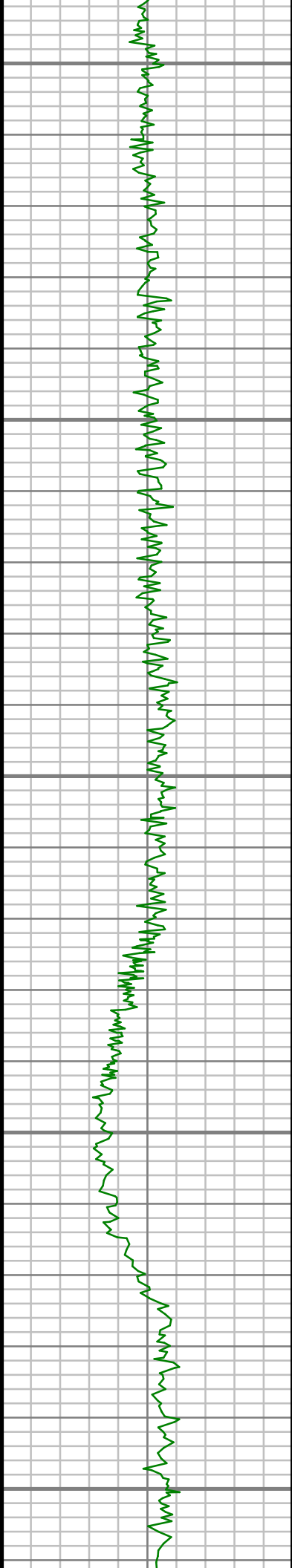
S: 85 MD: 7781.00 ft
Inc: 74.00 deg Az:
359.84 deg TVD:
7509.07 ft

S: 86 MD: 7829.00 ft
Inc: 77.43 deg Az: 0.19
deg TVD: 7520.91 ft

S: 87 MD: 7876.00 ft
Inc: 81.52 deg Az: 0.36
deg TVD: 7529.50 ft

S: 88 MD: 7907.00 ft
Inc: 83.59 deg Az: 0.59
deg TVD: 7533.52 ft





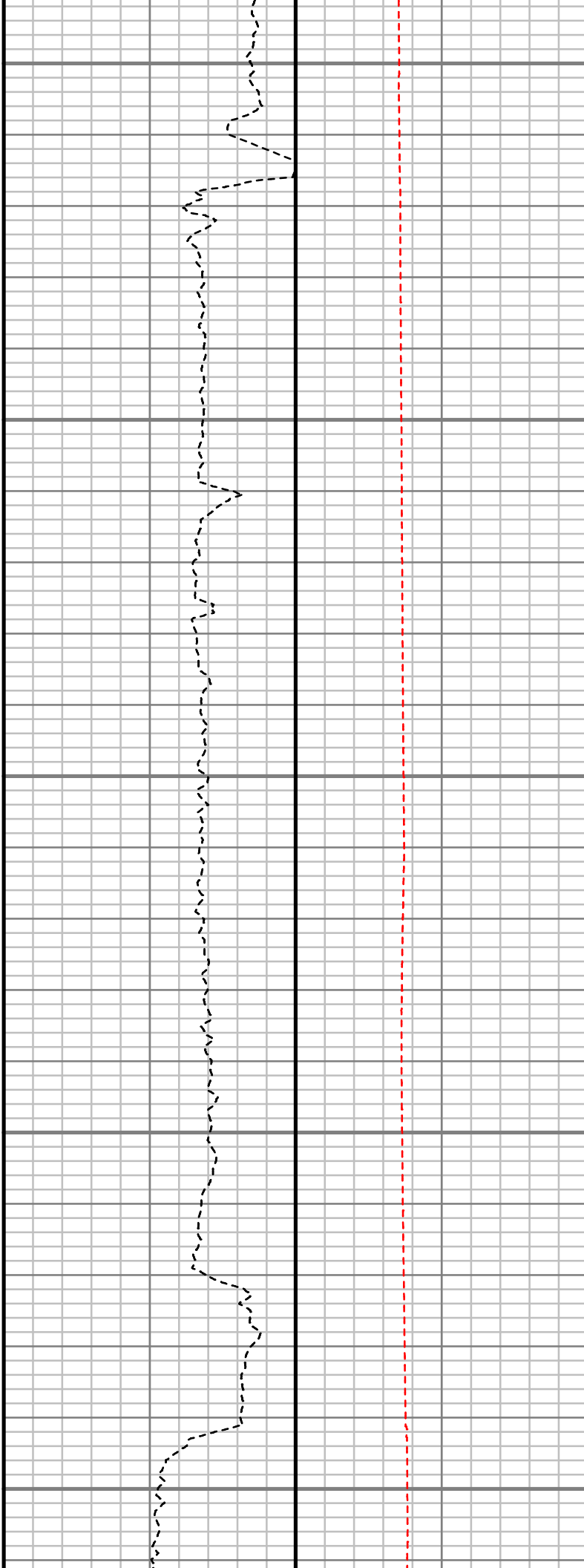
7950

8000

8050

8100

8150



S: 89 MD: 8044.00 ft
Inc: 90.77 deg Az: 1.58
deg TVD: 7540.25 ft

S: 90 MD: 8138.00 ft
Inc: 90.50 deg Az: 1.34
deg TVD: 7539.21 ft

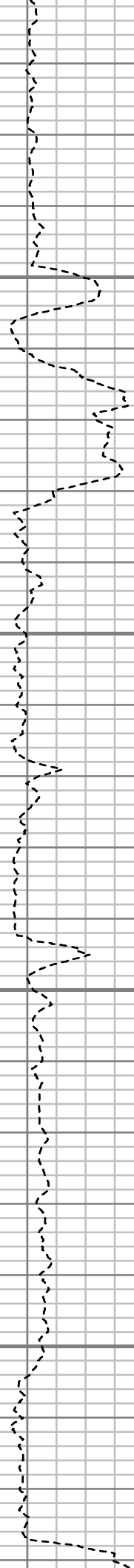


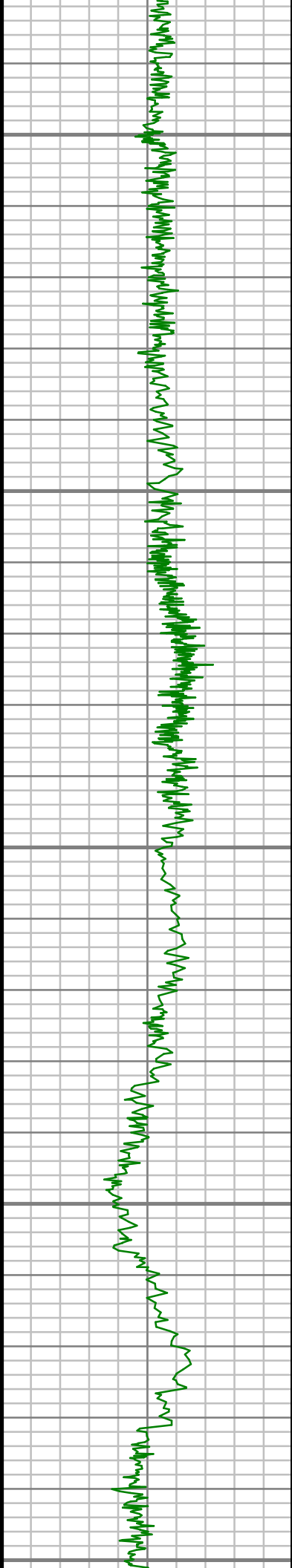
8200

8250

8300

8350





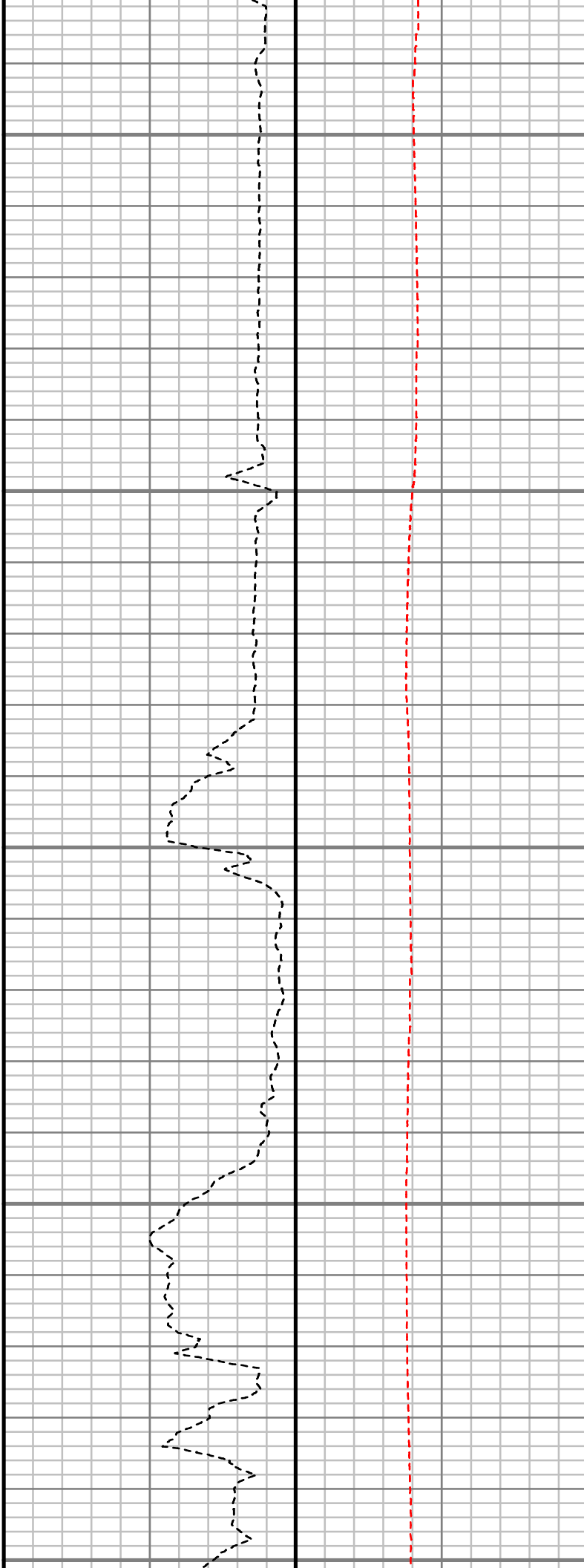
8400

8450

8500

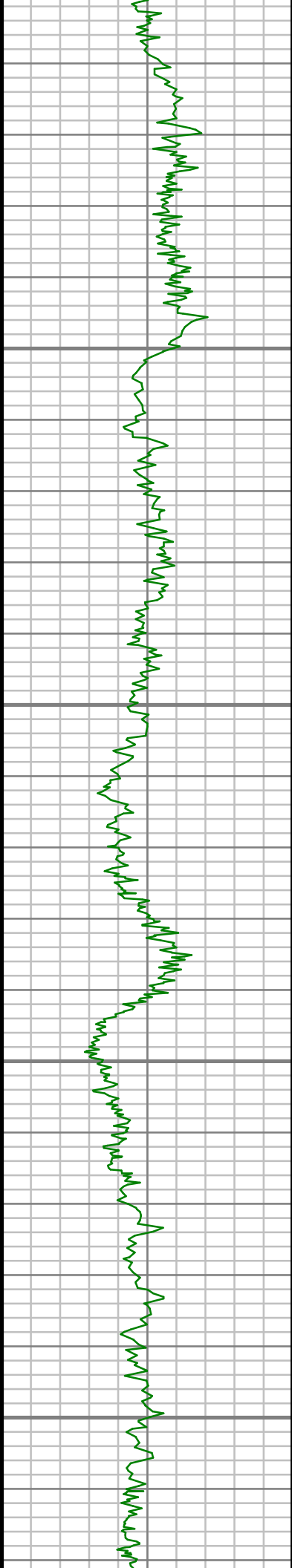
8550

8600



S: 91 MD: 8421.00 ft
Inc: 89.87 deg Az:
356.78 deg TVD:
7538.30 ft

S: 92 MD: 8515.00 ft
Inc: 92.36 deg Az:
358.80 deg TVD:
7536.47 ft

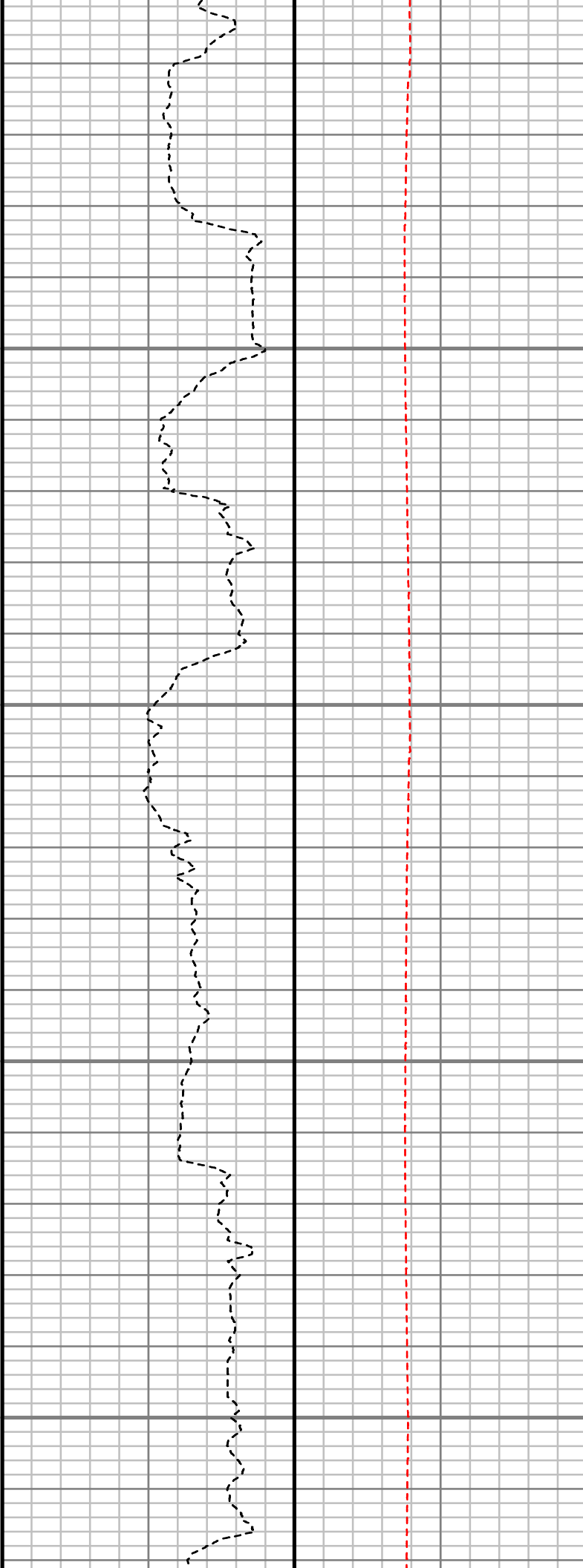


8650

8700

8750

8800



S: 93 MD: 8798.00 ft
Inc: 90.91 deg Az:
359.70 deg TVD:
7528.41 ft



8850

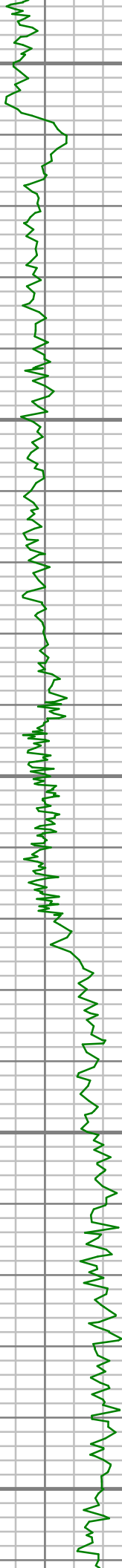
8900

8950

9000



S: 94 MD: 8986.00 ft
Inc: 89.87 deg Az: 1.17
deg TVD: 7527.14 ft



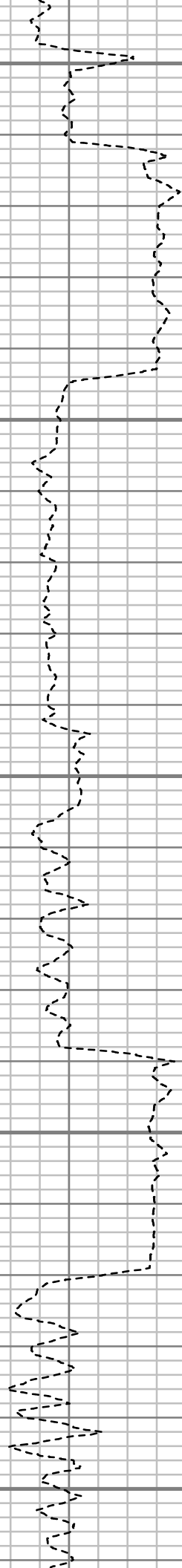
9050

9100

9150

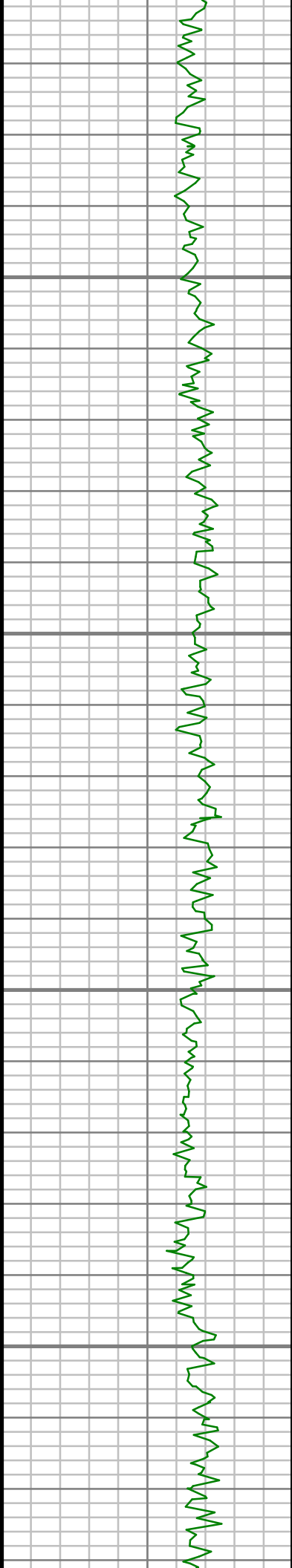
9200

9250



S: 95 MD: 9081.00 ft
Inc: 89.40 deg Az: 0.63
deg TVD: 7527.75 ft

S: 96 MD: 9175.00 ft
Inc: 90.67 deg Az: 1.25
deg TVD: 7527.70 ft

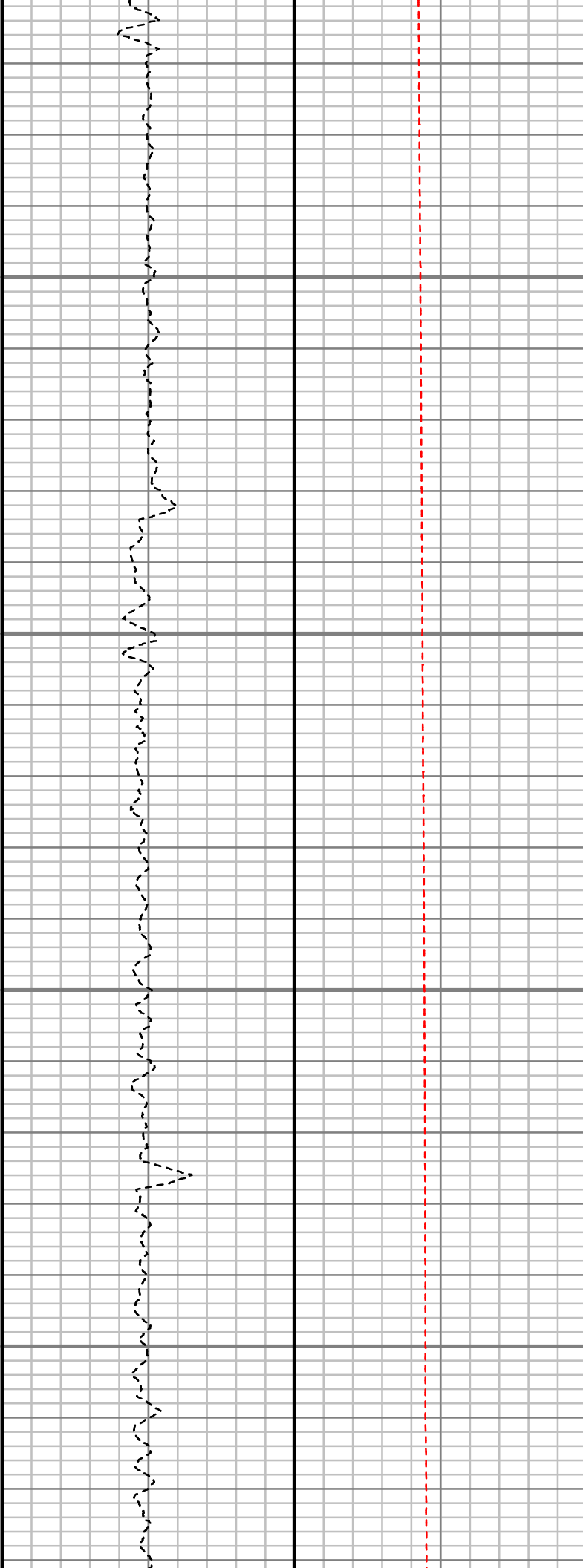


9300

9350

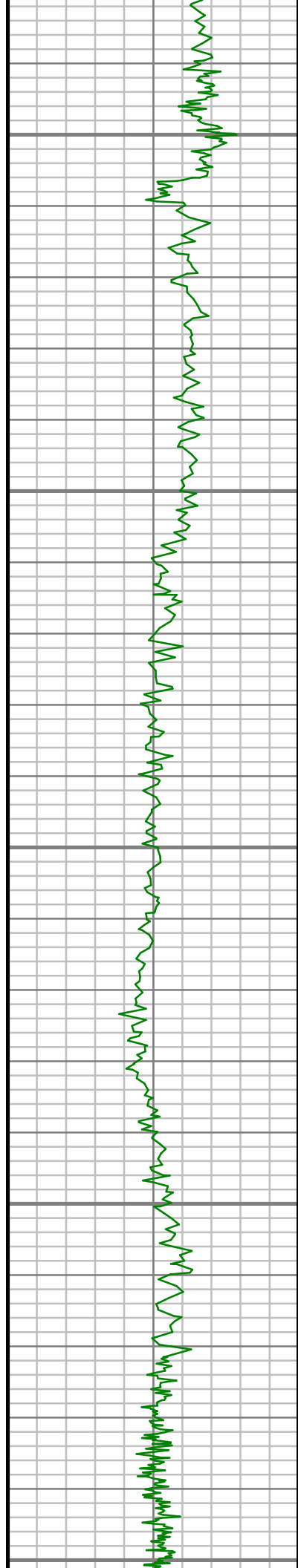
9400

9450



S: 97 MD: 9364.00 ft
Inc: 88.62 deg Az: 0.07
deg TVD: 7528.87 ft

S: 98 MD: 9458.00 ft
Inc: 90.34 deg Az:
359.91 deg TVD:
7529.72 ft



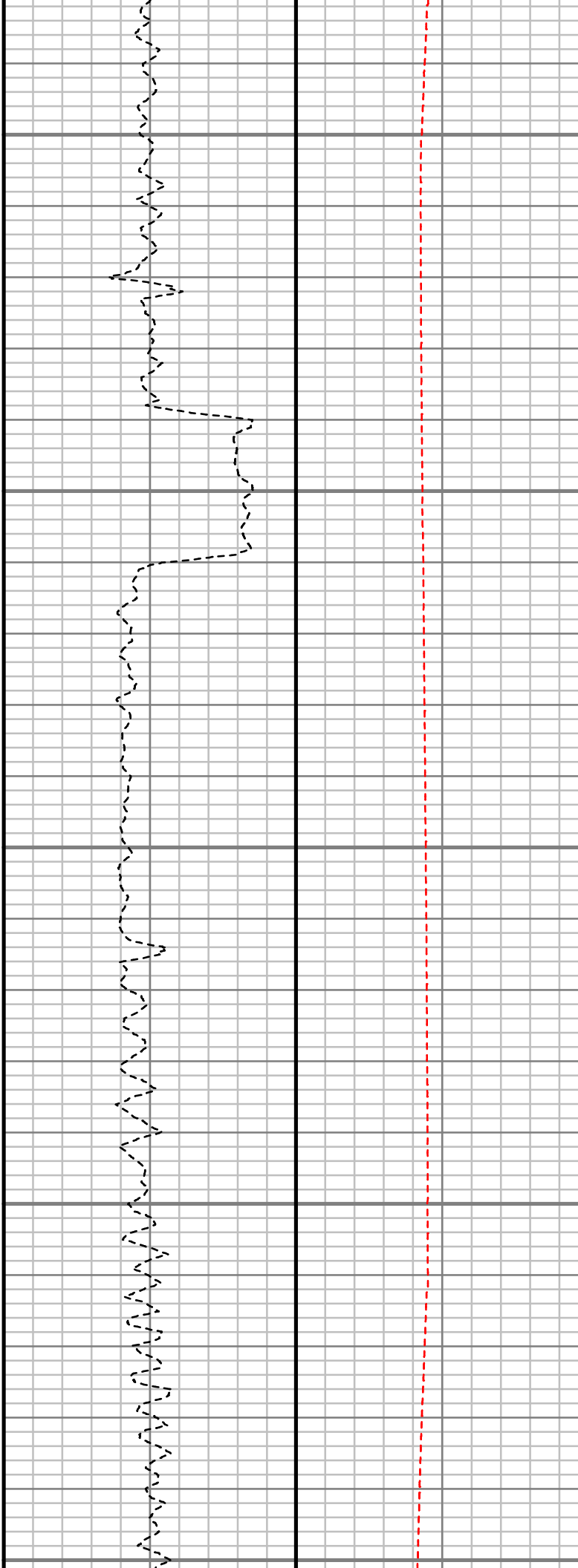
9500

9550

9600

9650

9700



S: 99 MD: 9552.00 ft
Inc: 89.93 deg Az:
359.10 deg TVD:
7529.50 ft

S: 100 MD: 9646.00 ft
Inc: 91.41 deg Az:
359.47 deg TVD:
7528.40 ft

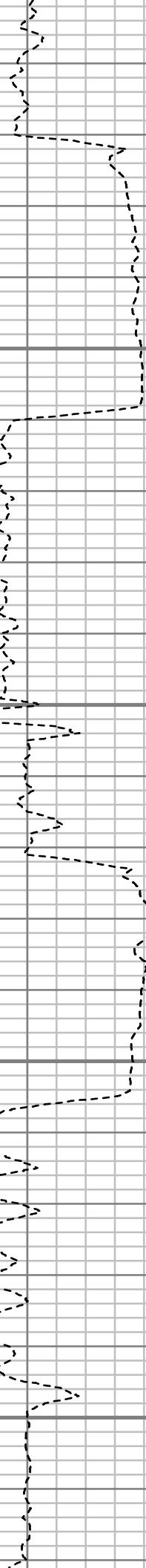


9750

9800

9850

9900



S: 101 MD: 9740.00 ft
Inc: 91.04 deg Az:
359.35 deg TVD:
7526.39 ft

S: 102 MD: 9835.00 ft
Inc: 89.19 deg Az:
359.37 deg TVD:
7526.19 ft



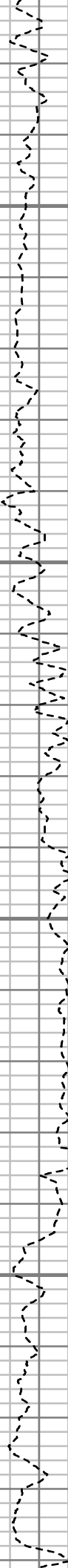


9950

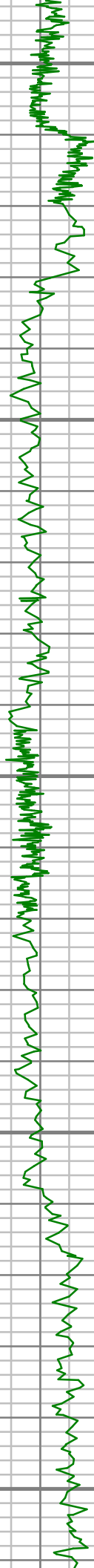
10000

10050

10100



S: 103 MD: 10023.00 ft
Inc: 88.55 deg Az: 0.05
deg TVD: 7529.89 ft



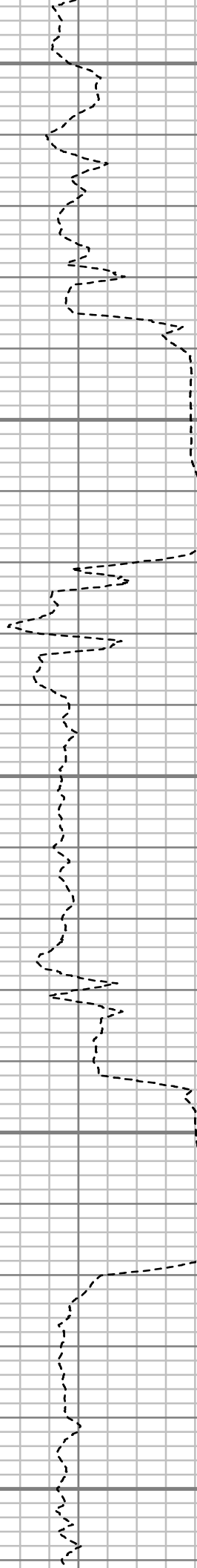
10150

10200

10250

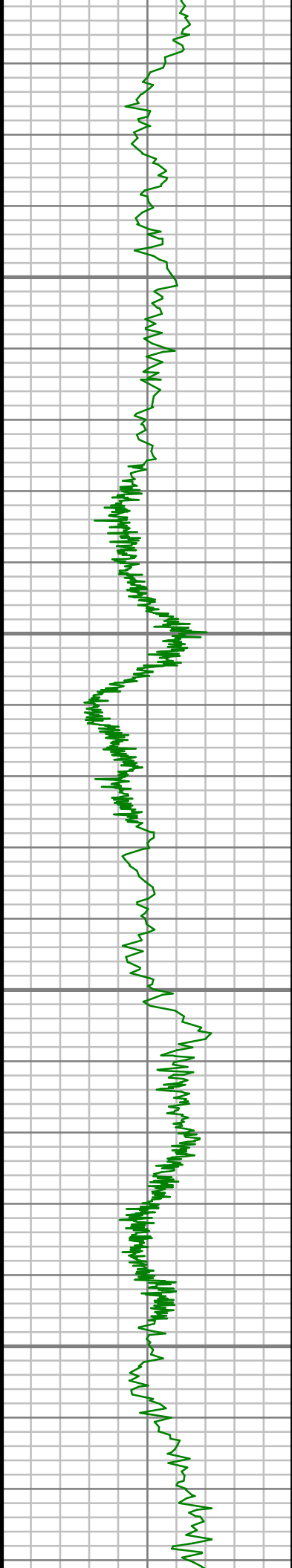
10300

10350



S: 104 MD: 10212.00 ft
Inc: 88.25 deg Az:
359.75 deg TVD:
7535.16 ft

S: 105 MD: 10307.00 ft
Inc: 89.76 deg Az:
359.28 deg TVD:
7536.80 ft

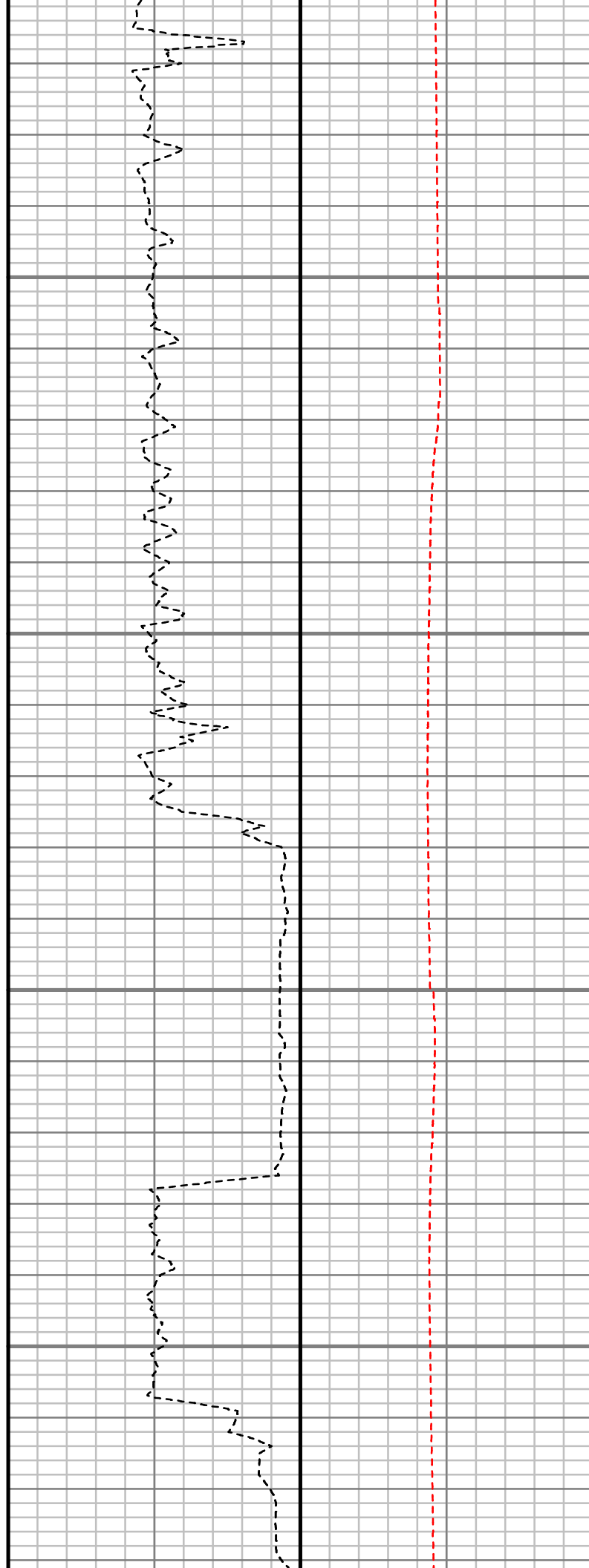


10400

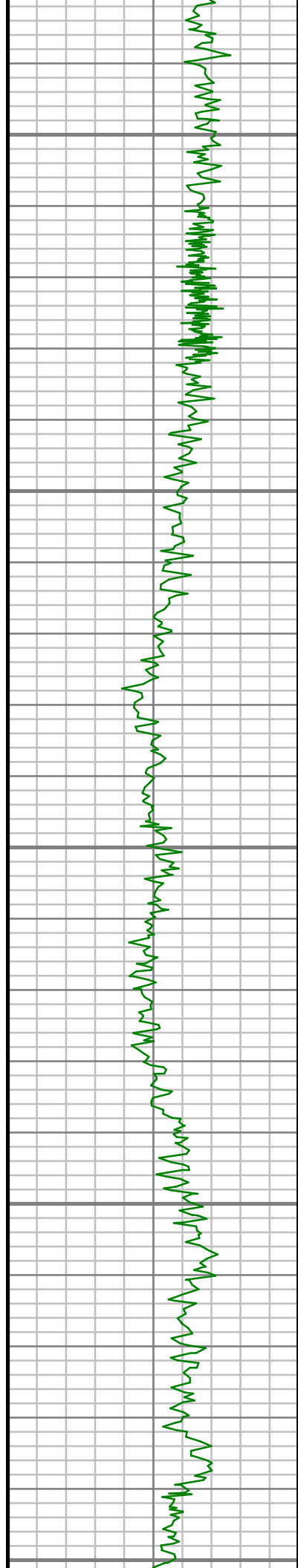
10450

10500

10550



S: 106 MD: 10401.00 ft
Inc: 92.22 deg Az:
359.30 deg TVD:
7535.18 ft



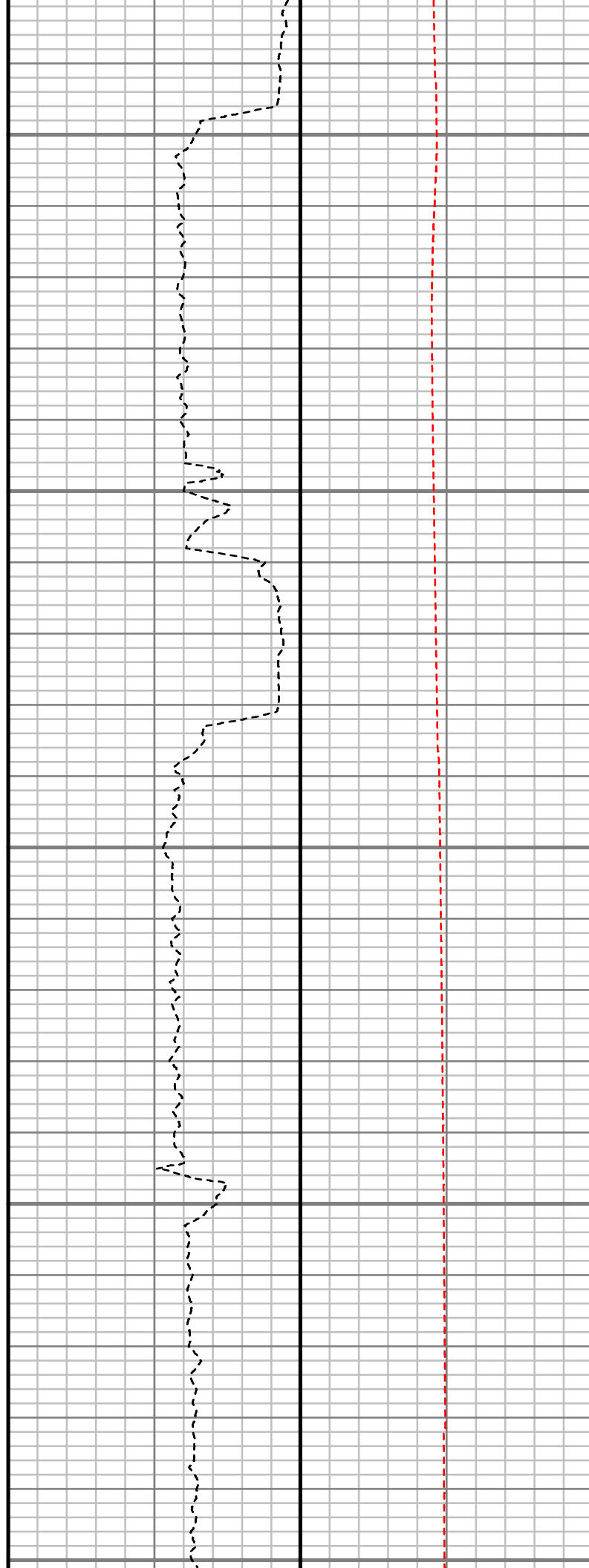
10600

10650

10700

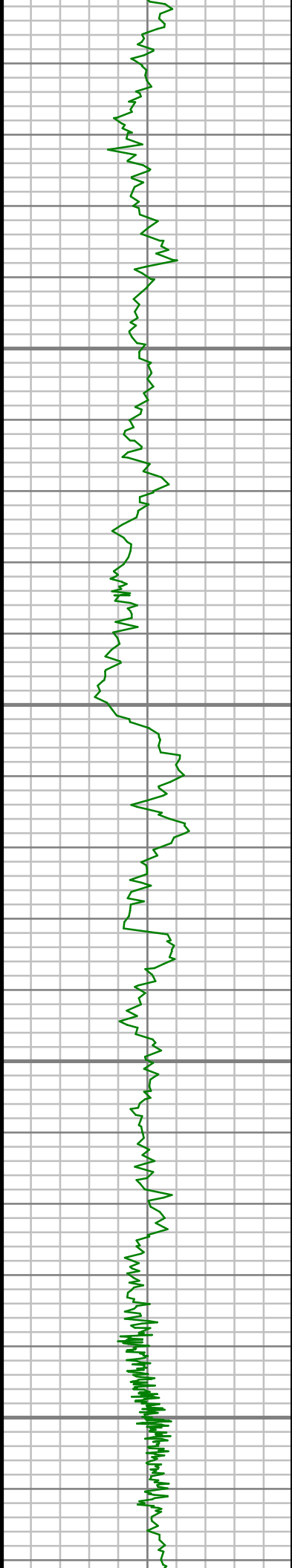
10750

10800



S: 107 MD: 10590.00 ft
Inc: 90.44 deg Az: 1.66
deg TVD: 7530.80 ft

S: 108 MD: 10684.00 ft
Inc: 88.32 deg Az: 2.17
deg TVD: 7531.82 ft

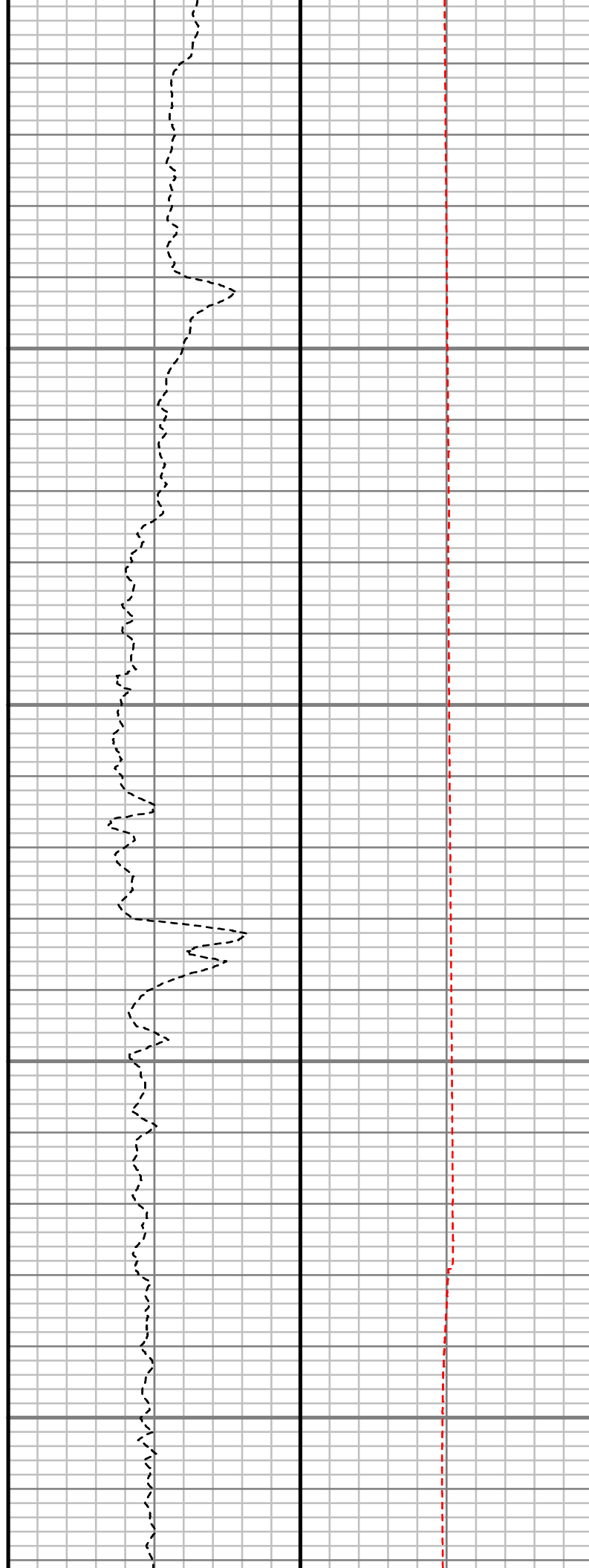


10850

10900

10950

11000



S: 109 MD: 10967.00 ft
Inc: 88.79 deg Az:
357.70 deg TVD:
7538.97 ft

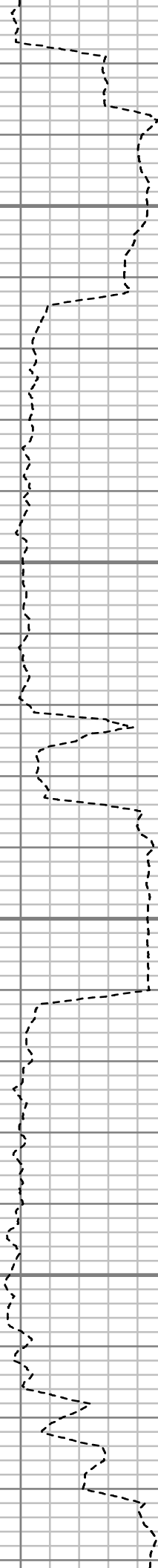


11050

11100

11150

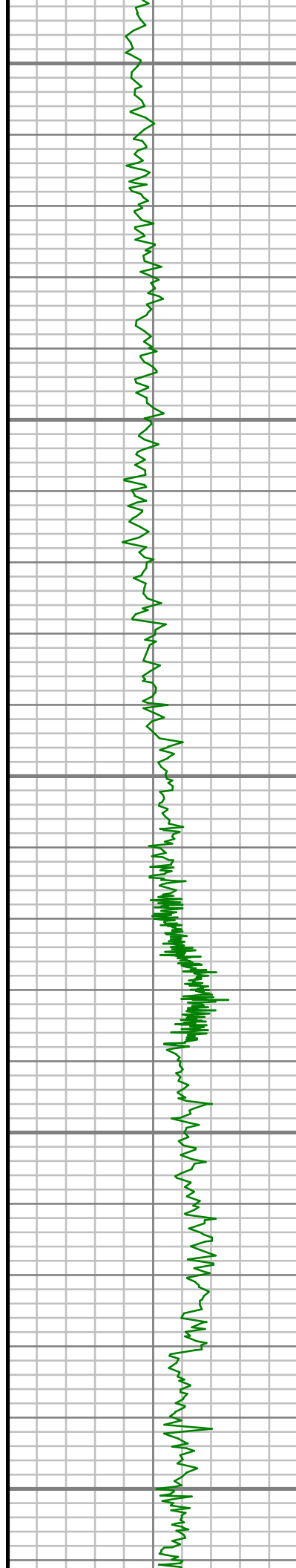
11200



S: 110 MD: 11061.00 ft
Inc: 90.81 deg Az:
358.15 deg TVD:
7539.30 ft

S: 111 MD: 11156.00 ft
Inc: 90.77 deg Az:
359.73 deg TVD:
7537.99 ft





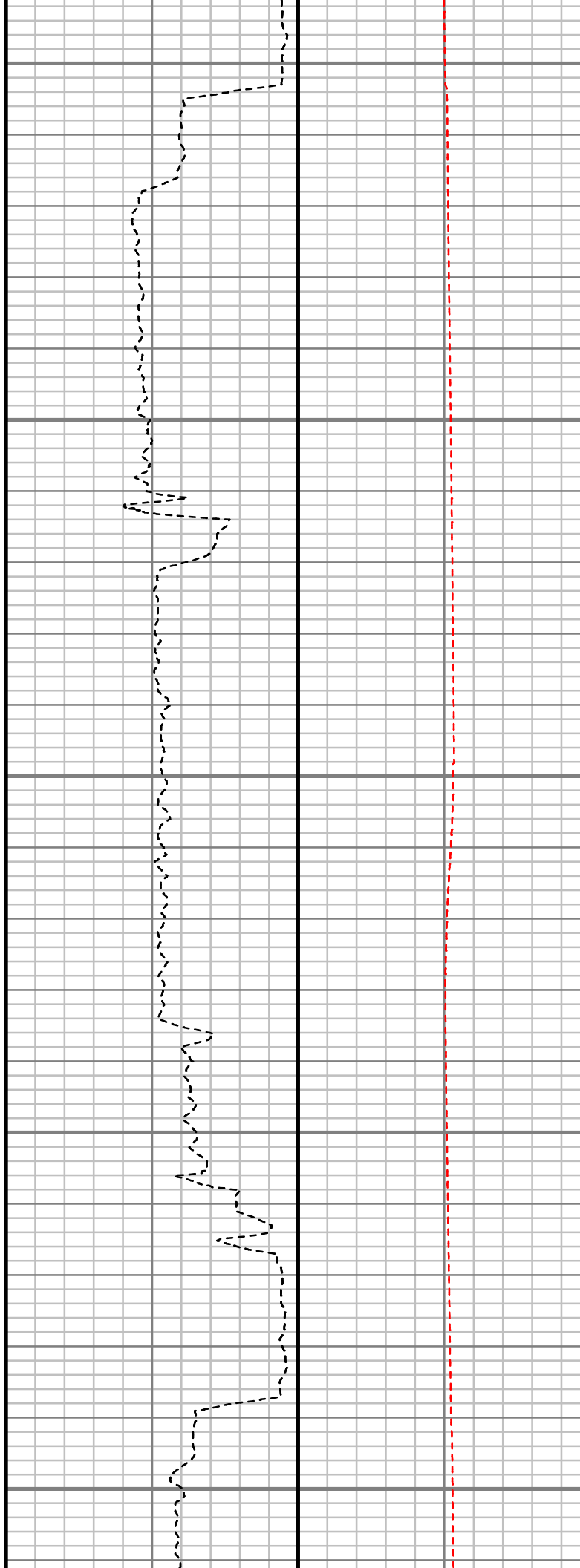
11250

11300

11350

11400

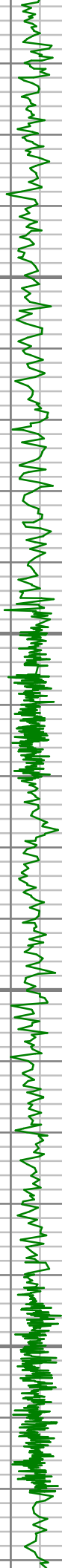
11450



S: 112 MD: 11250.00 ft
Inc: 89.53 deg Az: 0.04
deg TVD: 7537.74 ft

S: 113 MD: 11345.00 ft
Inc: 90.81 deg Az: 0.03
deg TVD: 7537.46 ft

S: 114 MD: 11439.00 ft
Inc: 90.17 deg Az: 0.33
deg TVD: 7536.66 ft

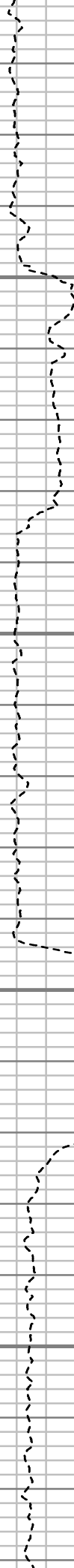


11500

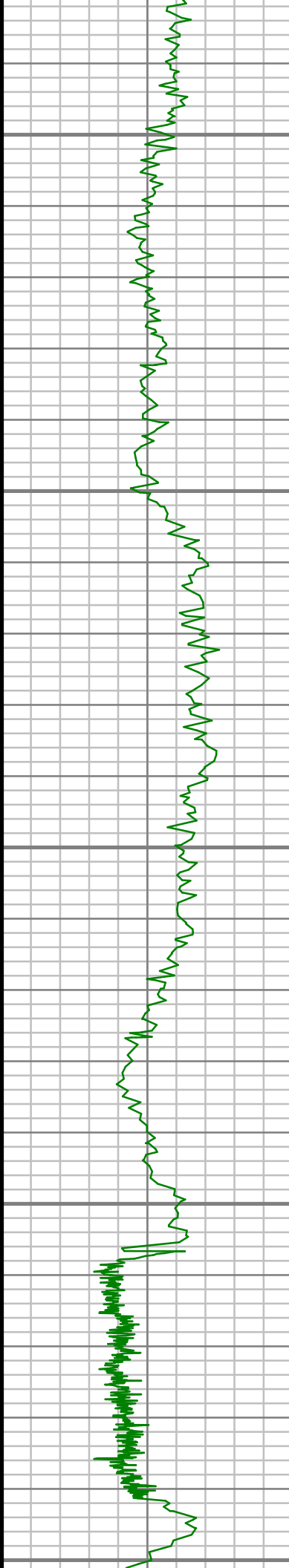
11550

11600

11650



S: 115 MD: 11533.00 ft
Inc: 89.13 deg Az:
358.60 deg TVD:
7537.24 ft



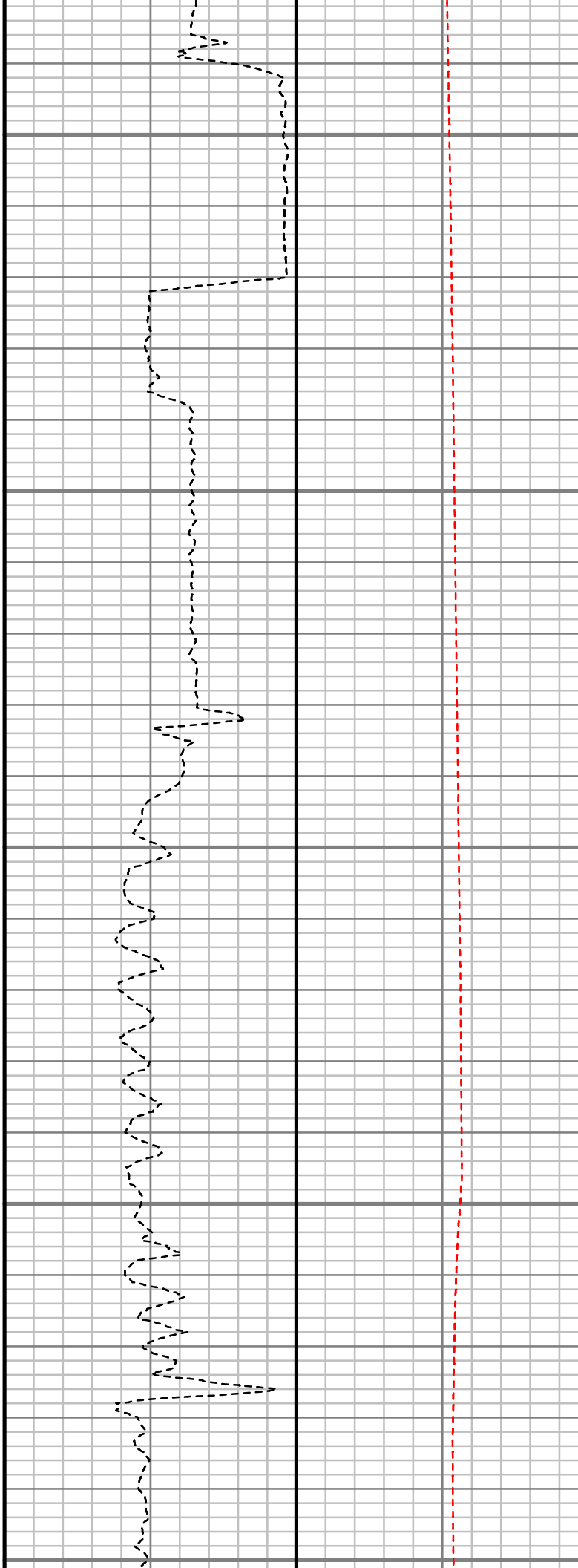
11700

11750

11800

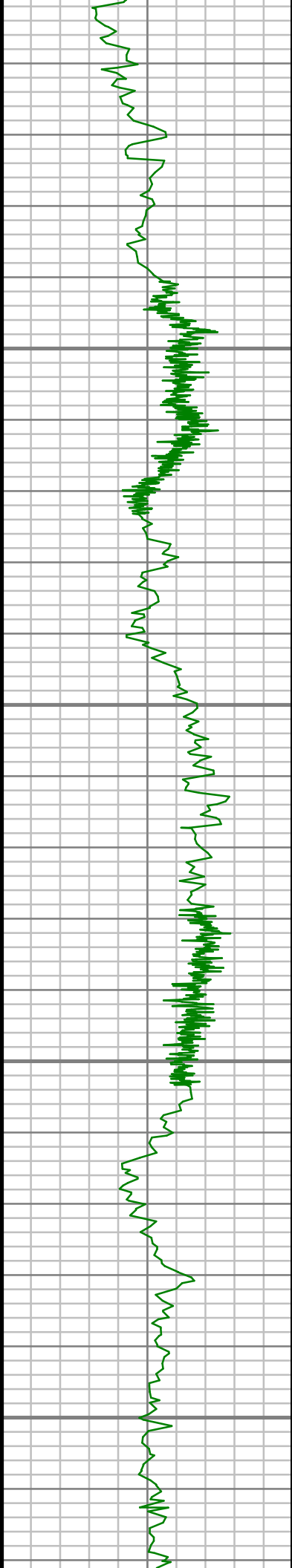
11850

11900



S: 116 MD: 11722.00 ft
Inc: 89.73 deg Az:
358.90 deg TVD:
7539.12 ft

S: 117 MD: 11816.00 ft
Inc: 91.21 deg Az:
358.20 deg TVD:
7538.35 ft

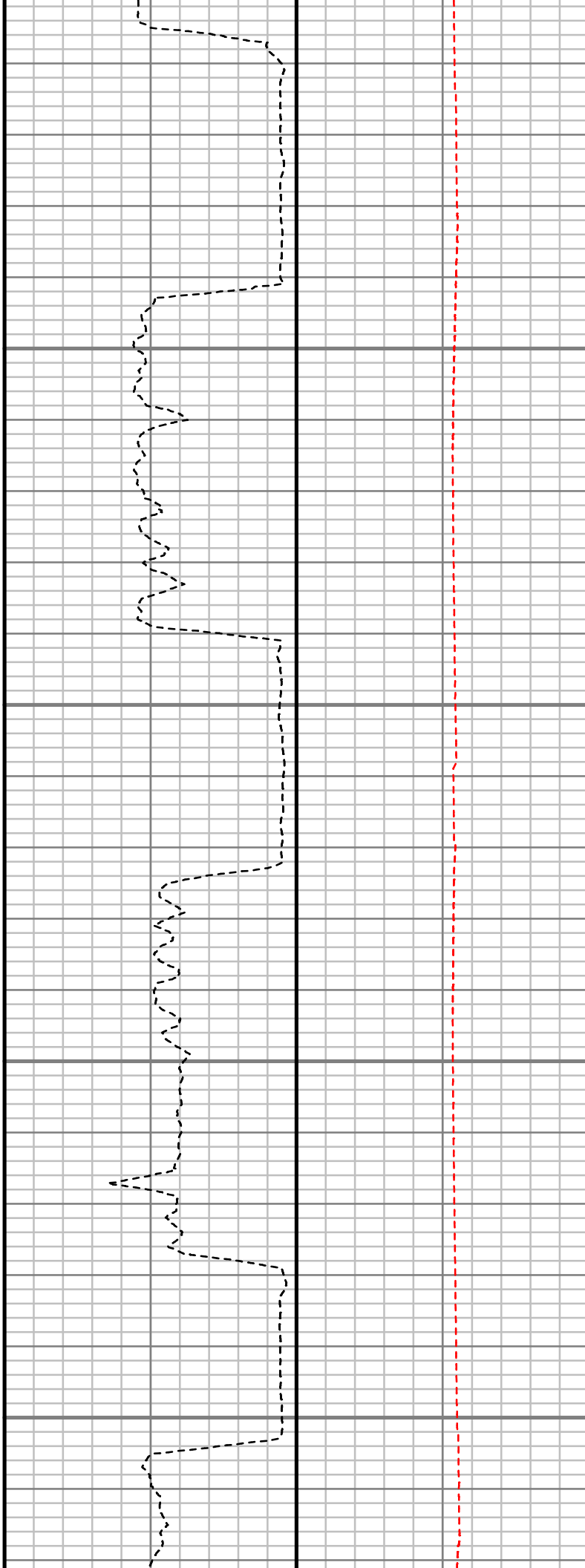


11950

12000

12050

12100



S: 118 MD: 12005.00 ft
Inc: 92.38 deg Az: 3.24
deg TVD: 7532.43 ft

S: 119 MD: 12099.00 ft
Inc: 91.14 deg Az: 3.29
deg TVD: 7529.54 ft

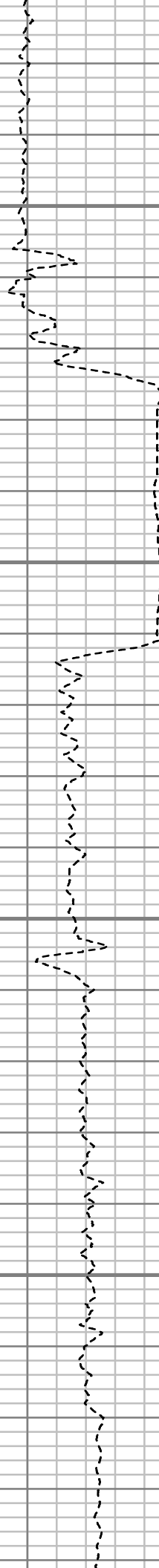


12150

12200

12250

12300



S: 120 MD: 12194.00 ft
Inc: 89.76 deg Az: 2.44
deg TVD: 7528.78 ft

S: 121 MD: 12288.00 ft
Inc: 89.06 deg Az: 2.61
deg TVD: 7529.75 ft



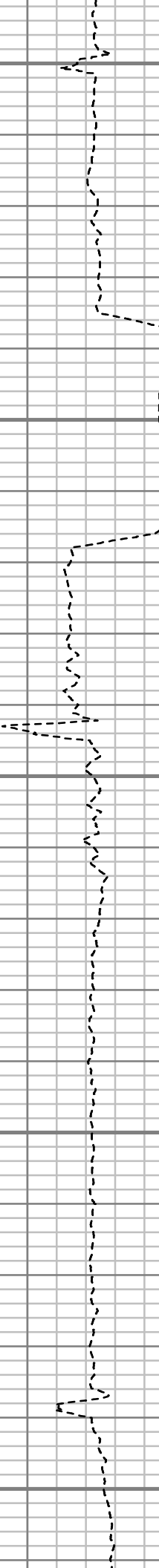
12350

12400

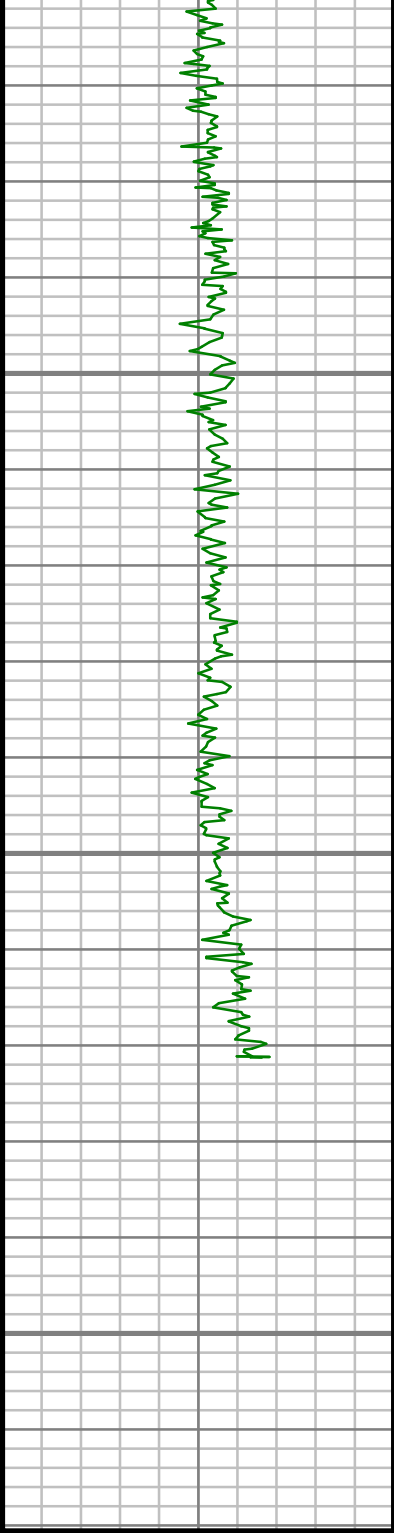
12450

12500

12550



S: 122 MD: 12477.00 ft
Inc: 89.13 deg Az: 2.32
deg TVD: 7532.74 ft



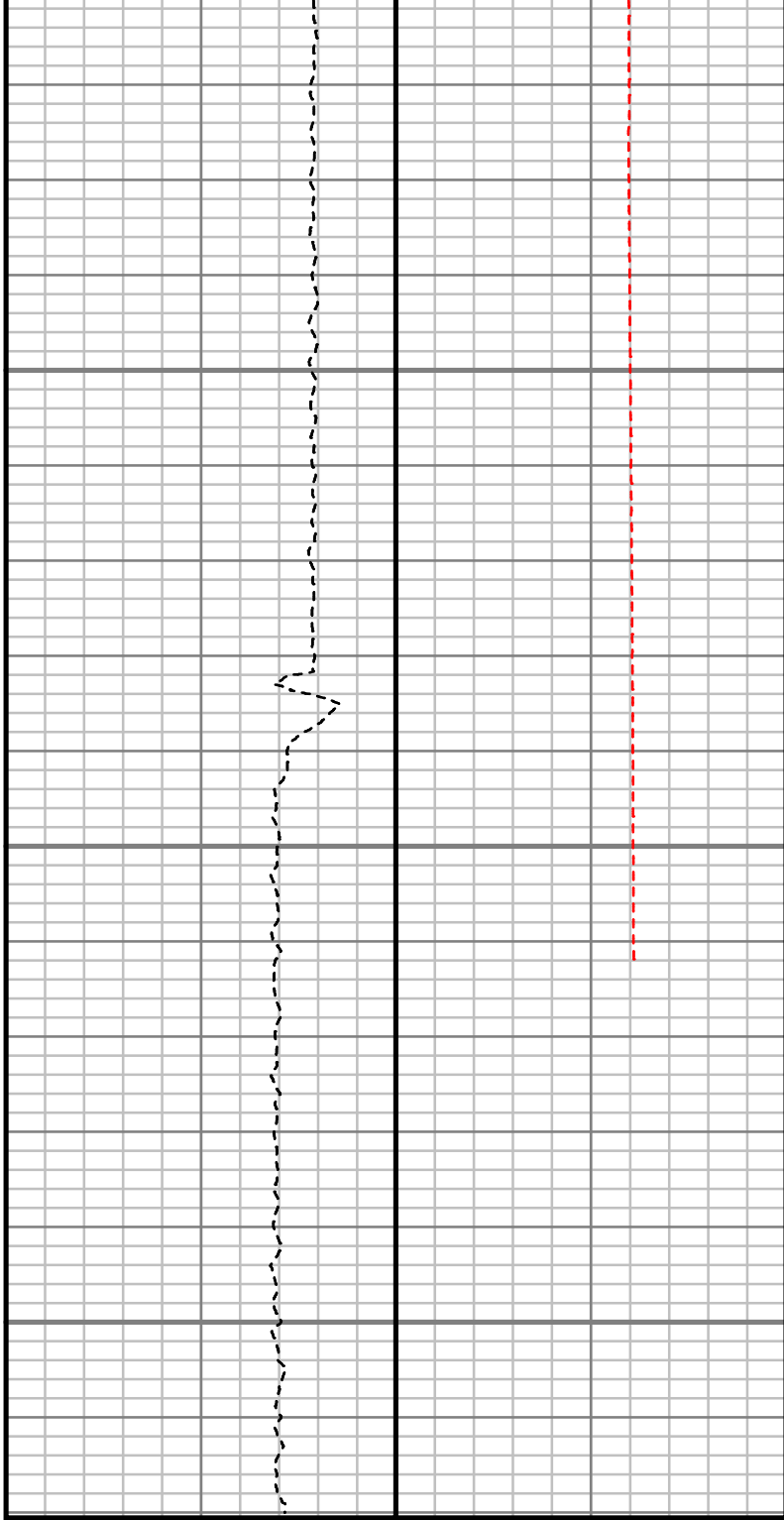
Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1,240 (ft)

12600

12650

12700



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

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

Comments

S: 123 MD: 12571.00 ft
Inc: 89.83 deg Az: 1.17
deg TVD: 7533.60 ft

Survey Report

Customer Name:	ANADARKO PETROLEUM CORP.						
Site Name:	NRC 16-8HZ PAD						
Well Name:	NRC 27N-8HZ						
Survey:	NRC 27N-8HZ						
Survey Date:	4/12/2014						
Magnetic Declination:	8.52 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
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
125.00	0.52	180.13	125.00	-0.45	-0.45	0.00	0.52
225.00	0.66	173.93	224.99	-1.48	-1.48	0.06	0.15
325.00	0.62	2.50	324.99	-1.51	-1.51	0.14	1.28
425.00	0.60	150.83	424.99	-1.43	-1.43	0.42	1.17
525.00	0.44	300.81	524.99	-1.69	-1.69	0.35	1.01
625.00	0.50	71.97	624.99	-1.36	-1.36	0.43	0.86
725.00	0.84	262.90	724.98	-1.31	-1.31	0.12	1.33

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
825.00	0.48	109.18	824.98	-1.54	-1.54	-0.21	1.29
925.00	0.54	300.13	924.98	-1.44	-1.44	-0.22	1.02
1025.00	0.42	64.53	1024.98	-1.05	-1.05	-0.30	0.85
1125.00	0.66	170.04	1124.97	-1.46	-1.46	0.13	0.87
1148.00	0.67	176.64	1147.97	-1.72	-1.72	0.16	0.34
1365.00	2.06	194.62	1364.91	-6.76	-6.76	-0.75	0.66
1457.00	2.97	206.88	1456.82	-10.48	-10.48	-2.24	1.15
1562.00	4.74	207.09	1561.58	-16.77	-16.77	-5.45	1.69
1653.00	8.17	208.01	1651.99	-25.83	-25.83	-10.20	3.77
1744.00	9.14	203.19	1741.95	-38.18	-38.18	-16.08	1.33
1836.00	10.79	198.20	1832.56	-53.08	-53.08	-21.65	2.02
1927.00	11.15	191.68	1921.90	-69.79	-69.79	-26.09	1.42
2018.00	10.69	183.05	2011.26	-86.84	-86.84	-28.32	1.86
2109.00	11.13	185.25	2100.61	-104.02	-104.02	-29.58	0.67
2201.00	11.49	185.68	2190.82	-121.99	-121.99	-31.30	0.40
2384.00	10.01	176.58	2370.62	-156.01	-156.01	-32.15	1.23
2475.00	10.96	189.82	2460.11	-172.44	-172.44	-33.15	2.84
2566.00	9.38	193.75	2549.68	-188.17	-188.17	-36.39	1.90
2658.00	9.60	185.54	2640.42	-203.09	-203.09	-38.92	1.49
2750.00	10.23	186.67	2731.05	-218.84	-218.84	-40.61	0.71

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
2841.00	8.86	190.09	2820.79	-233.76	-233.76	-42.77	1.63
2933.00	9.39	199.02	2911.63	-247.83	-247.83	-46.46	1.64
3116.00	11.80	203.00	3091.50	-279.18	-279.18	-58.64	1.37
3208.00	9.46	201.65	3181.91	-294.87	-294.87	-65.11	2.55
3299.00	9.62	200.94	3271.65	-308.92	-308.92	-70.58	0.21
3394.00	10.67	204.33	3365.17	-324.35	-324.35	-77.04	1.28
3488.00	10.22	207.45	3457.61	-339.68	-339.68	-84.48	0.77
3582.00	9.53	202.28	3550.22	-354.28	-354.28	-91.27	1.20
3677.00	11.59	202.82	3643.61	-370.35	-370.35	-97.95	2.18
3866.00	9.63	198.27	3829.37	-402.87	-402.87	-110.27	1.13
3960.00	11.56	189.11	3921.77	-419.63	-419.63	-114.23	2.72
4055.00	9.21	188.54	4015.21	-436.55	-436.55	-116.87	2.48
4243.00	8.74	200.47	4200.92	-464.82	-464.82	-124.10	1.02
4337.00	10.01	197.67	4293.66	-479.30	-479.30	-129.08	1.43
4431.00	11.28	196.23	4386.04	-495.91	-495.91	-134.13	1.38
4526.00	12.15	188.96	4479.07	-514.71	-514.71	-138.28	1.80
4714.00	8.51	180.50	4664.00	-548.17	-548.17	-141.48	2.09
4809.00	10.45	181.96	4757.70	-563.81	-563.81	-141.84	2.06
4903.00	12.58	185.83	4849.80	-582.52	-582.52	-143.17	2.41

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
4998.00	14.00	185.84	4942.26	-604.25	-604.25	-145.39	1.50
5092.00	12.92	185.97	5033.67	-626.02	-626.02	-147.64	1.15
5281.00	10.04	181.24	5218.87	-663.51	-663.51	-150.20	1.61
5375.00	10.70	187.84	5311.34	-680.35	-680.35	-151.57	1.45
5469.00	8.57	187.26	5404.01	-695.94	-695.94	-153.64	2.28
5658.00	9.77	186.15	5590.59	-725.86	-725.86	-157.14	0.64
5847.00	11.64	194.93	5776.31	-760.23	-760.23	-163.77	1.31
5941.00	10.23	186.16	5868.60	-777.70	-777.70	-167.11	2.32
6036.00	9.68	186.66	5962.17	-794.02	-794.02	-168.94	0.58
6130.00	11.81	183.48	6054.52	-811.47	-811.47	-170.44	2.35
6225.00	10.33	187.17	6147.75	-829.63	-829.63	-172.10	1.73
6319.00	10.58	185.01	6240.19	-846.59	-846.59	-173.90	0.50
6413.00	10.11	194.28	6332.67	-863.18	-863.18	-176.69	1.84
6508.00	8.33	190.82	6426.44	-878.03	-878.03	-180.04	1.96
6602.00	6.56	188.09	6519.64	-890.04	-890.04	-182.08	1.92
6697.00	6.56	194.32	6614.02	-900.67	-900.67	-184.18	0.75
6791.00	7.31	208.66	6707.34	-911.11	-911.11	-188.38	2.00
6838.00	6.75	224.84	6753.99	-915.70	-915.70	-191.76	4.36
6885.00	6.17	267.19	6800.72	-917.78	-917.78	-196.23	9.98
6932.00	7.88	299.94	6847.38	-916.30	-916.30	-201.55	9.10

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
6980.00	5.98	327.95	6895.04	-912.53	-912.53	-205.73	7.96
7027.00	7.81	4.91	6941.72	-907.27	-907.27	-206.76	9.98
7074.00	9.20	5.79	6988.21	-900.35	-900.35	-206.10	2.98
7121.00	12.27	359.63	7034.38	-891.62	-891.62	-205.76	6.97
7168.00	15.80	357.15	7079.97	-880.23	-880.23	-206.11	7.62
7215.00	18.41	357.00	7124.88	-866.42	-866.42	-206.81	5.54
7263.00	18.68	356.03	7170.39	-851.18	-851.18	-207.74	0.85
7310.00	23.31	355.64	7214.26	-834.40	-834.40	-208.97	9.85
7357.00	29.43	355.05	7256.35	-813.60	-813.60	-210.68	13.05
7404.00	35.28	354.35	7296.04	-788.57	-788.57	-213.01	12.47
7451.00	40.54	353.12	7333.11	-759.88	-759.88	-216.18	11.30
7498.00	43.87	355.41	7367.92	-728.47	-728.47	-219.31	7.80
7546.00	48.64	358.25	7401.10	-693.86	-693.86	-221.19	10.83
7593.00	54.93	358.62	7430.16	-656.97	-656.97	-222.20	13.39
7640.00	60.66	357.62	7455.20	-617.24	-617.24	-223.51	12.33
7687.00	65.49	357.70	7476.48	-575.38	-575.38	-225.22	10.28
7734.00	69.64	358.89	7494.41	-531.97	-531.97	-226.50	9.14
7781.00	74.00	359.84	7509.07	-487.33	-487.33	-226.99	9.46
7829.00	77.43	0.19	7520.91	-440.82	-440.82	-226.98	7.19

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7876.00	81.52	0.36	7529.50	-394.62	-394.62	-226.76	8.70
7907.00	83.59	0.59	7533.52	-363.88	-363.88	-226.50	6.72
8044.00	90.77	1.58	7540.25	-227.17	-227.17	-223.91	5.30
8138.00	90.50	1.34	7539.21	-133.20	-133.20	-221.52	0.39
8421.00	89.87	356.78	7538.30	149.68	149.68	-226.16	1.63
8515.00	92.36	358.80	7536.47	243.58	243.58	-229.79	3.41
8798.00	90.91	359.70	7528.41	526.43	526.43	-233.50	0.60
8986.00	89.87	1.17	7527.14	714.41	714.41	-232.07	0.96
9081.00	89.40	0.63	7527.75	809.40	809.40	-230.58	0.75
9175.00	90.67	1.25	7527.70	903.39	903.39	-229.03	1.51
9364.00	88.62	0.07	7528.87	1092.36	1092.36	-226.86	1.25
9458.00	90.34	359.91	7529.72	1186.35	1186.35	-226.88	1.83
9552.00	89.93	359.10	7529.50	1280.34	1280.34	-227.69	0.96
9646.00	91.41	359.47	7528.40	1374.33	1374.33	-228.87	1.62
9740.00	91.04	359.35	7526.39	1468.30	1468.30	-229.84	0.41
9835.00	89.19	359.37	7526.19	1563.29	1563.29	-230.90	1.95
10023.00	88.55	0.05	7529.89	1751.25	1751.25	-231.86	0.50
10212.00	88.25	359.75	7535.16	1940.17	1940.17	-232.19	0.22
10307.00	89.76	359.28	7536.80	2035.15	2035.15	-232.99	1.67
10401.00	92.22	359.30	7535.18	2129.13	2129.13	-234.16	2.61

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
10590.00	90.44	1.66	7530.80	2318.05	2318.05	-232.59	1.56
10684.00	88.32	2.17	7531.82	2411.98	2411.98	-229.45	2.32
10967.00	88.79	357.70	7538.97	2694.82	2694.82	-229.78	1.59
11061.00	90.81	358.15	7539.30	2788.75	2788.75	-233.19	2.20
11156.00	90.77	359.73	7537.99	2883.72	2883.72	-234.94	1.67
11250.00	89.53	0.04	7537.74	2977.72	2977.72	-235.12	1.36
11345.00	90.81	0.03	7537.46	3072.72	3072.72	-235.06	1.34
11439.00	90.17	0.33	7536.66	3166.72	3166.72	-234.77	0.75
11533.00	89.13	358.60	7537.24	3260.70	3260.70	-235.66	2.15
11722.00	89.73	358.90	7539.12	3449.65	3449.65	-239.78	0.36
11816.00	91.21	358.20	7538.35	3543.61	3543.61	-242.16	1.74
12005.00	92.38	3.24	7532.43	3732.44	3732.44	-239.79	2.73
12099.00	91.14	3.29	7529.54	3826.24	3826.24	-234.44	1.32
12194.00	89.76	2.44	7528.78	3921.12	3921.12	-229.69	1.70
12288.00	89.06	2.61	7529.75	4015.02	4015.02	-225.54	0.77
12477.00	89.13	2.32	7532.74	4203.82	4203.82	-217.41	0.16
12571.00	89.83	1.17	7533.60	4297.77	4297.77	-214.55	1.43

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

5" = 100' FEET MD