



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC
WELL : SUNFLOWER 25G-17HZ
FIELD : WATTENBERG
COUNTY : WELD
STATE : COLORADO
COUNTRY : U.S.A.
UWI : 05-123-42072

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WELL LOCATION

LAT:40.1536960°N LONG:104.6833560°W

N:14582858.79 ft E:1728894.06 ft

SEC:08

TWP : 2N

RANGE: 65W

OTHER SERVICES

DIRECTIONAL

ROP

DEPTH REF. : RKB

REF. HEIGHT : 20.000 ft

RKB to Ground Level

GROUND LEVEL : 4901.000 ft

G.L. to MEAN SEA LEVEL

BOREHOLE RECORD

DEVIATION RECORD

HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft
8.5	1865	12664	0 - 14	0	4900
			14 - 0	4900	6510
			0 - 89	6510	7552
			89 - 92	7552	12664

CASING RECORD

CASING SIZE in	FROM ft	TO ft			
9.625	0	1855			
			DRILLING CO. : PRECISION DRILLING		
			RIG : 461		
			LWD UNIT NO. :	DISTRICT : CASPER	
			SPUD DATE : 11/13/2015		
			LWD START DATE : 11/13/2015	DEPTH : 1865 ft	
			LWD END DATE : 11/16/2015	DEPTH : 12664 ft	
			TOTAL DEPTH : 12664 ft		

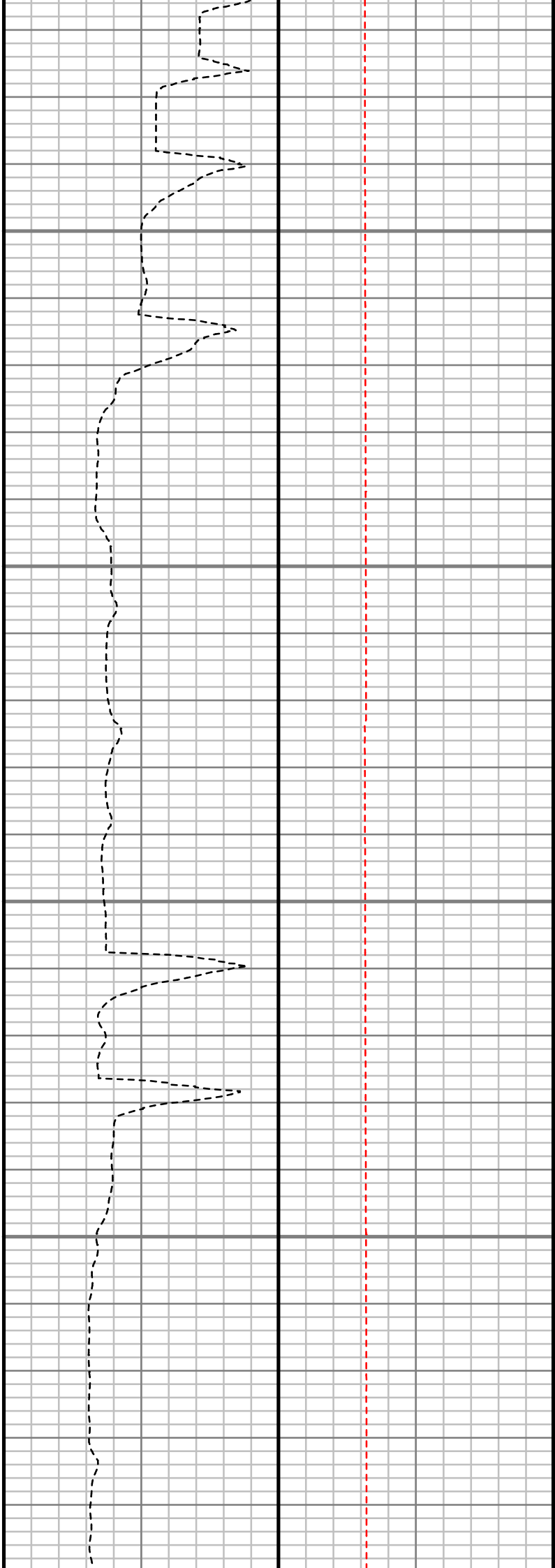
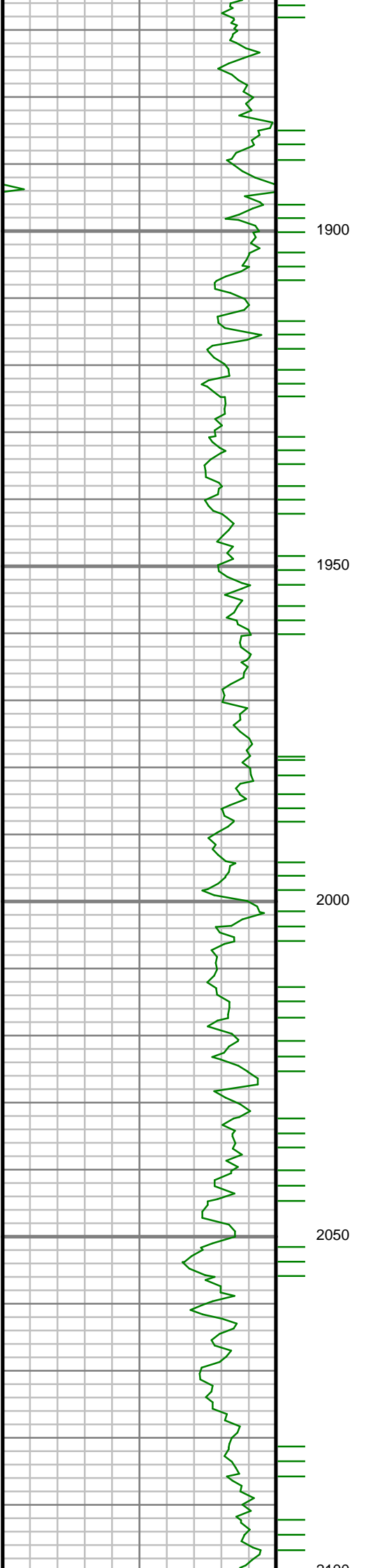
Run Data

RUN NUMBER	1						
START DATE	11/13/2015						
START TIME	1430						
END DATE	11/16/2015						
END TIME	0530						
DEPTH IN (ft)	1865						
DEPTH OUT (ft)	12664						
LOG TOP (ft)	1820						
LOG BOTTOM (ft)	12619						
HOLE SIZE (in)	8.5						
MUD DATA @ (ft)	7742						
MUD TYPE	OIL-BASED						
DENSITY (lb / gal)	9.3						
VISCOSITY (s / qt)	67						
pH	-						
FLUID LOSS (cm ³ / 30)	2.6						
SALINITY (ppm)	-						
R _m (ohmm @ deg F)	-						
R _m f (ohmm @ deg F)	-						
MAX TEMP (deg F)	230						
R _m @ MAX TEMP (ohmm)	-						
LWD ENGINEER #1	B. GREER						
LWD ENGINEER #2	S. WAXLER						
LWD ENGINEER #3	-						
LOG WITNESS #1	I. HARRIS						
LOG WITNESS #2	-						

[illegible]

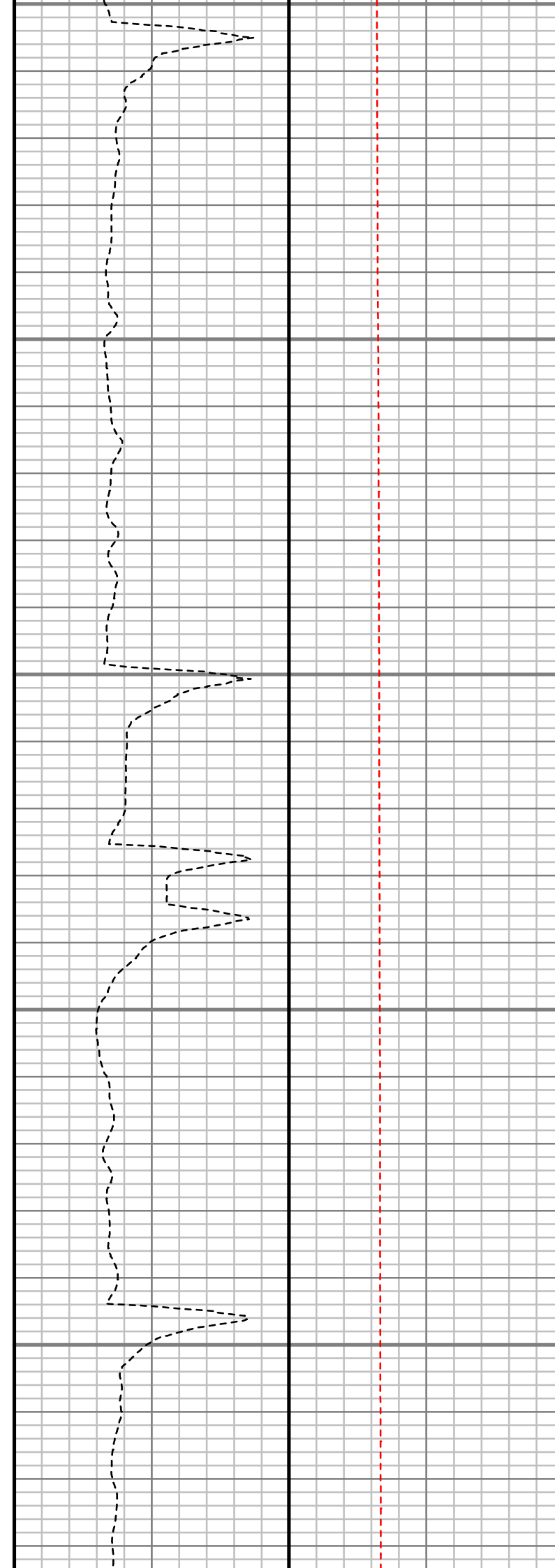
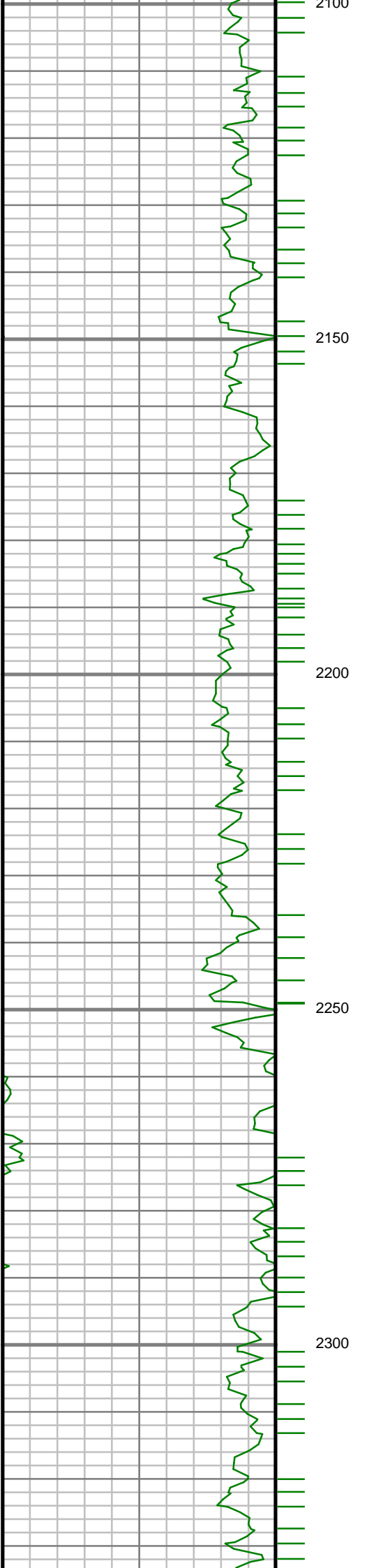
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 E&P ONSHORE LLC SUNFLOWER 25G-17HZ WATTENBERG FIELD WELD COUNTY, COLORADO 05-123-42072			
<p>Gamma Ray (GR)</p> <p>Unit = aapi</p>	<p>MEASURED DEPTH</p> <p>1:240 (ft)</p>	<p>Rate of Penetration (ROP)</p> <p>Unit = ft/hr</p>	<p>Tool Temperature (T-TEMP)</p> <p>Unit = °F</p>
<p>0 150</p>	<p>1850</p>	<p>1000 0</p>	<p>0 300</p> <p>S: 21 MD: 1801.00 ft Inc: 12.64 deg Az: 288.87 deg TVD: 1777.73 ft</p>



S: 22 MD: 1953.00 ft
Inc: 14.47 deg Az:
290.86 deg TVD:
1925.49 ft

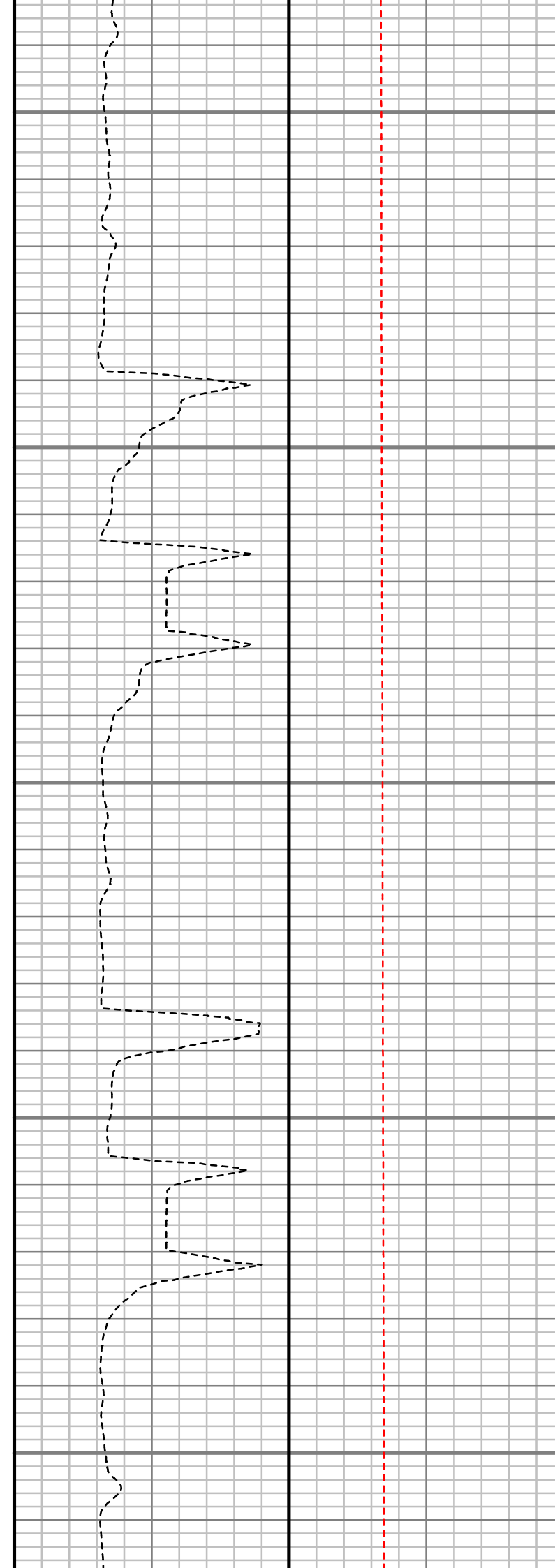
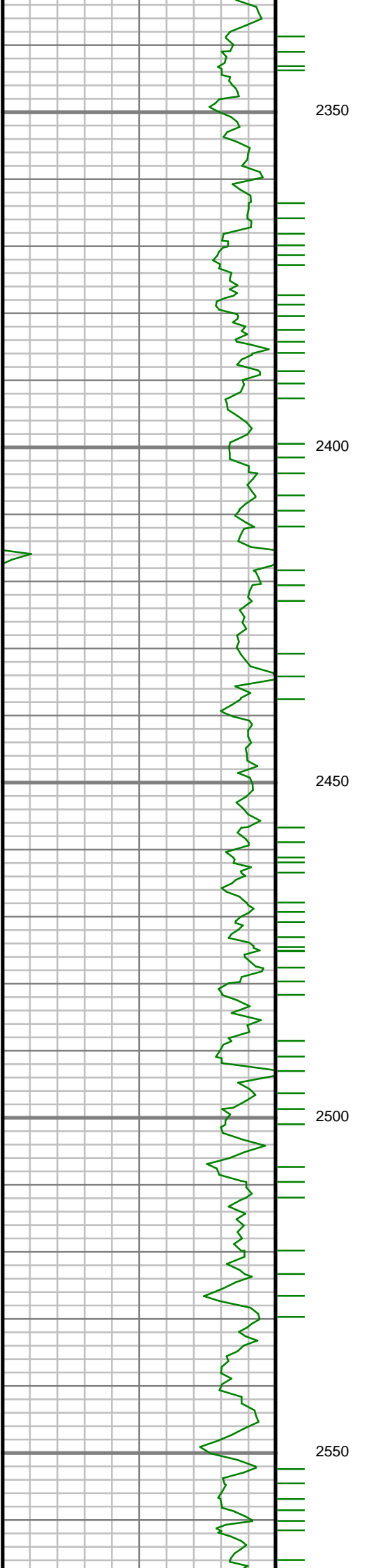
S: 23 MD: 2048.00 ft
Inc: 13.62 deg Az:
289.30 deg TVD:
2017.65 ft



S: 24 MD: 2142.00 ft
Inc: 12.74 deg Az:
287.03 deg TVD:
2109.17 ft

S: 25 MD: 2236.00 ft
Inc: 13.38 deg Az:
285.84 deg TVD:
2200.74 ft

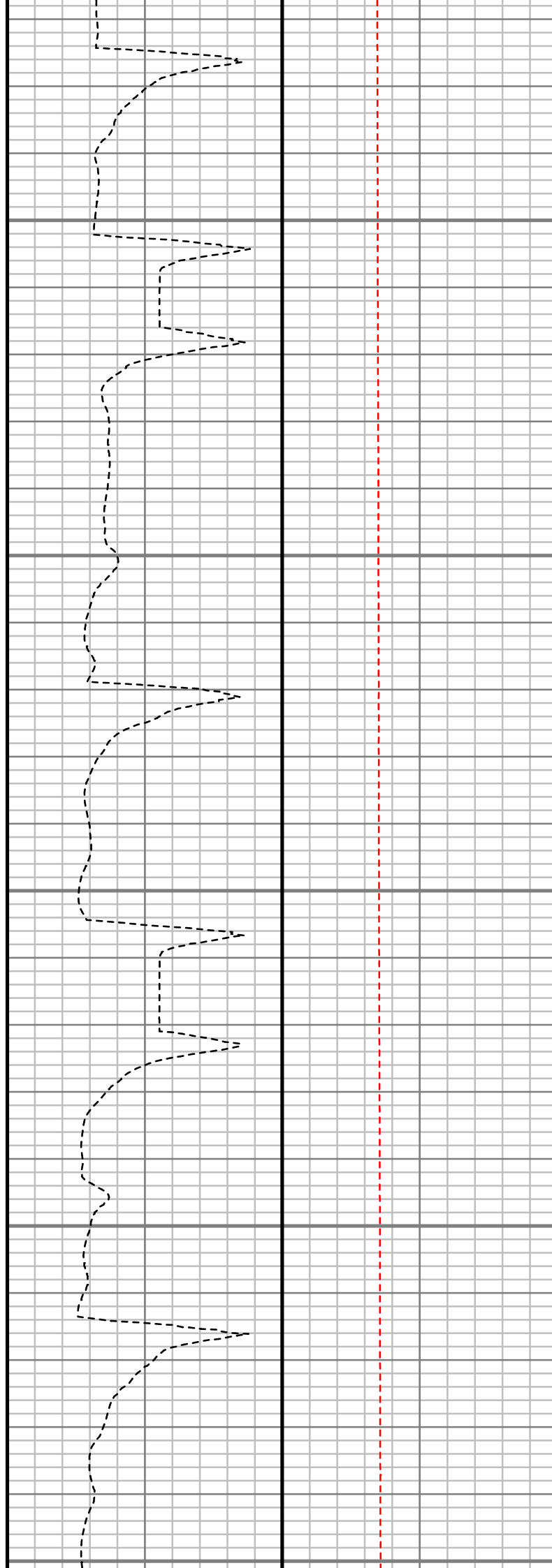
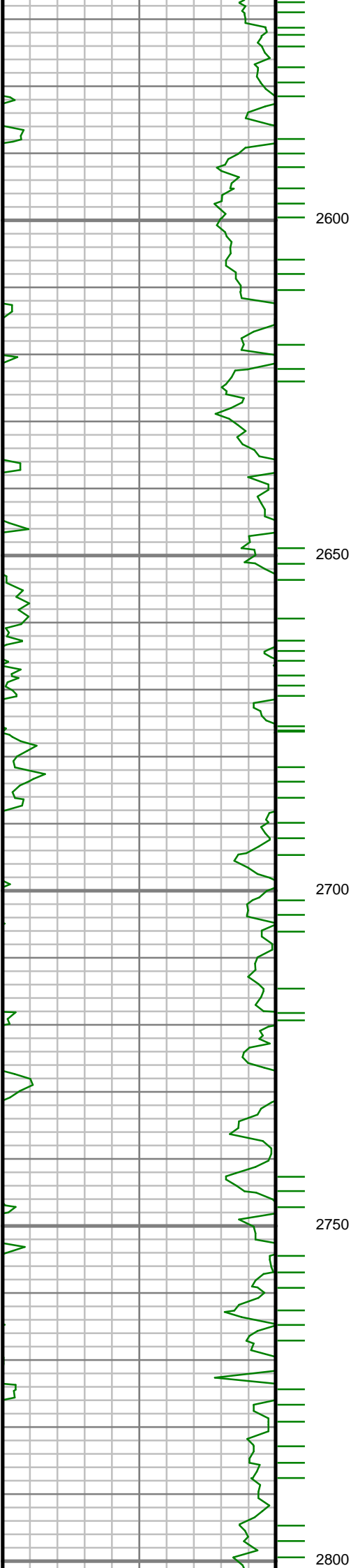
S: 26 MD: 2331.00 ft



Inc: 13.03 deg Az:
280.07 deg TVD:
2293.23 ft

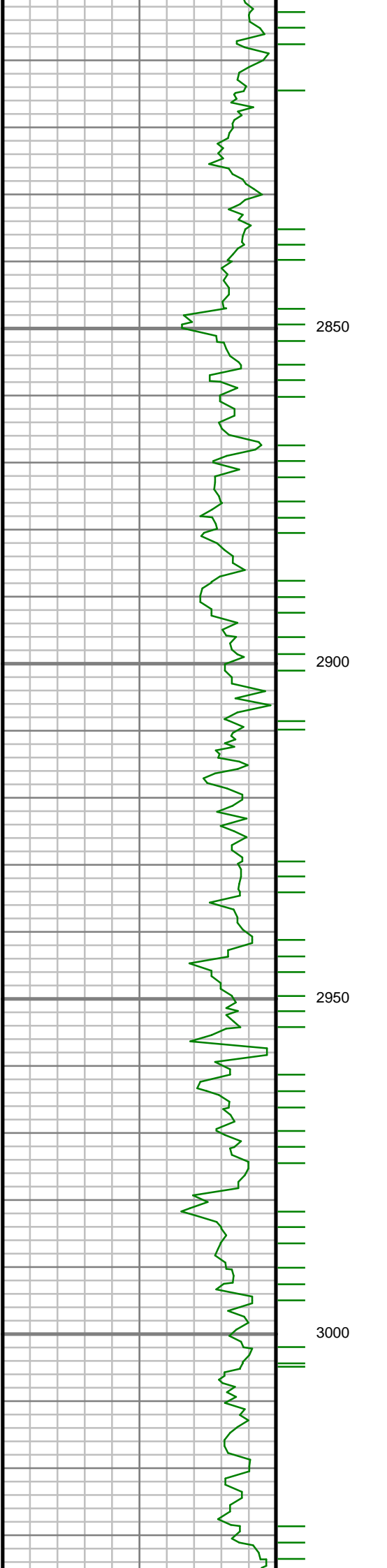
S: 27 MD: 2426.00 ft
Inc: 12.91 deg Az:
284.97 deg TVD:
2385.81 ft

S: 28 MD: 2521.00 ft
Inc: 12.43 deg Az:
289.50 deg TVD:
2478.50 ft



S: 29 MD: 2616.00 ft
Inc: 12.67 deg Az:
294.06 deg TVD:
2571.23 ft

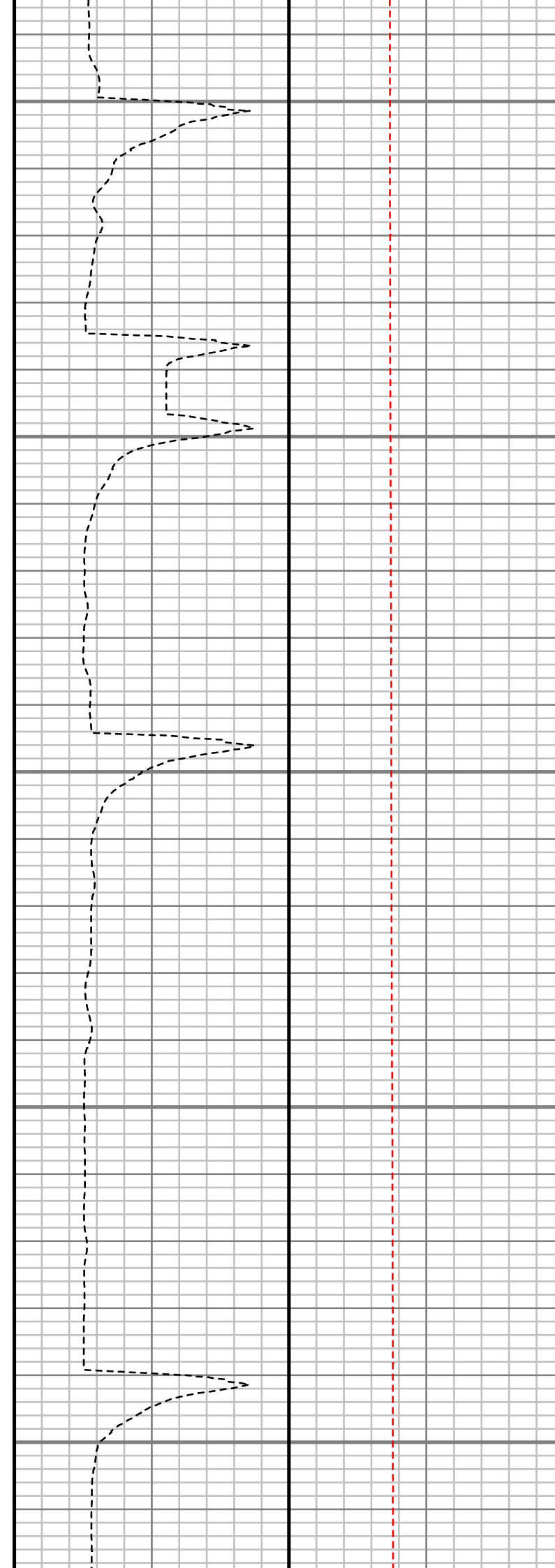
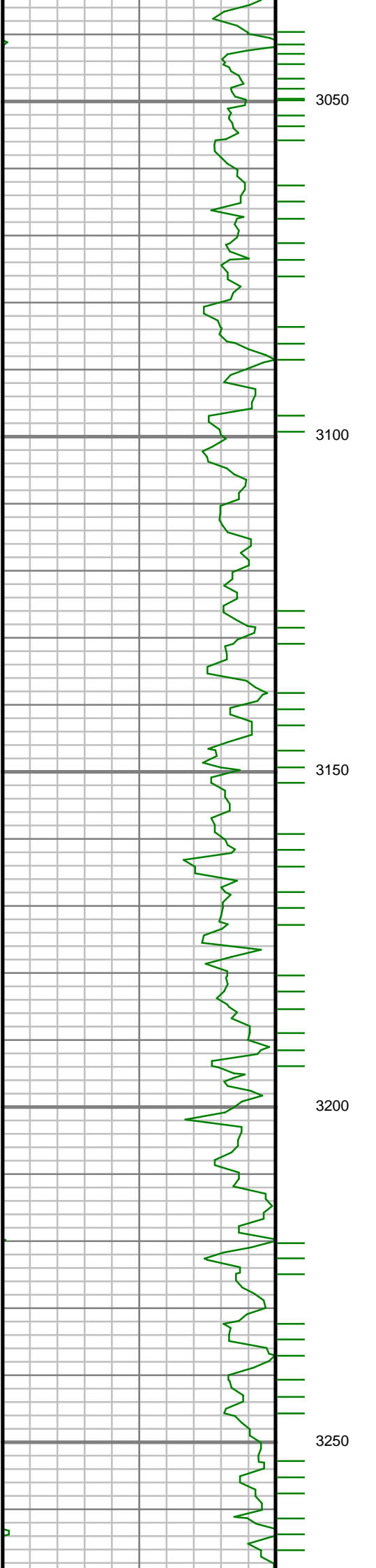
S: 30 MD: 2712.00 ft
Inc: 13.83 deg Az:
294.13 deg TVD:
2664.68 ft



S: 31 MD: 2806.00 ft
Inc: 14.15 deg Az:
290.82 deg TVD:
2755.89 ft

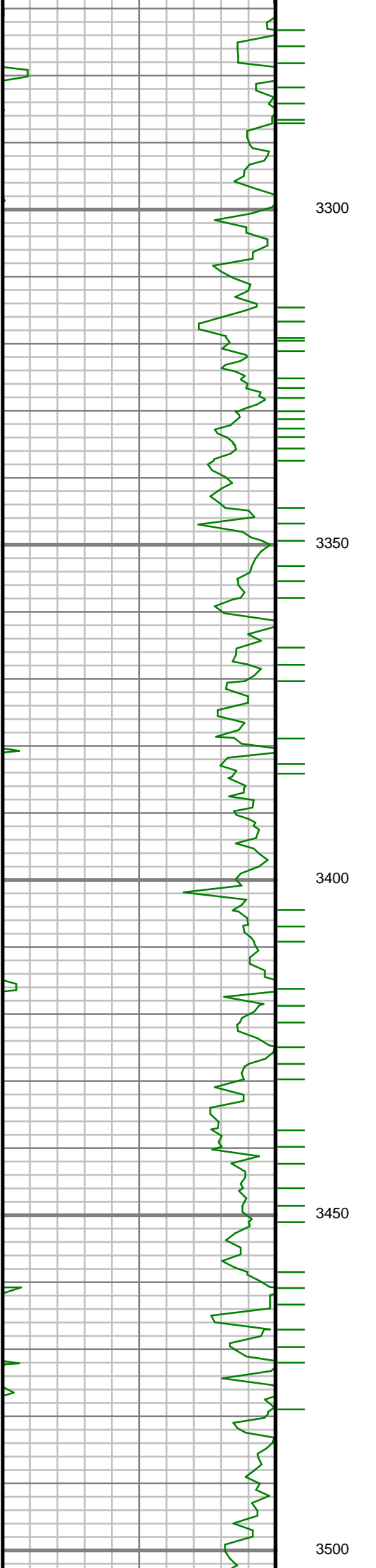
S: 32 MD: 2902.00 ft
Inc: 13.86 deg Az:
290.06 deg TVD:
2849.04 ft

S: 33 MD: 2996.00 ft
Inc: 13.31 deg Az:
288.20 deg TVD:
2940.41 ft



S: 34 MD: 3092.00 ft
Inc: 13.32 deg Az:
291.48 deg TVD:
3033.83 ft

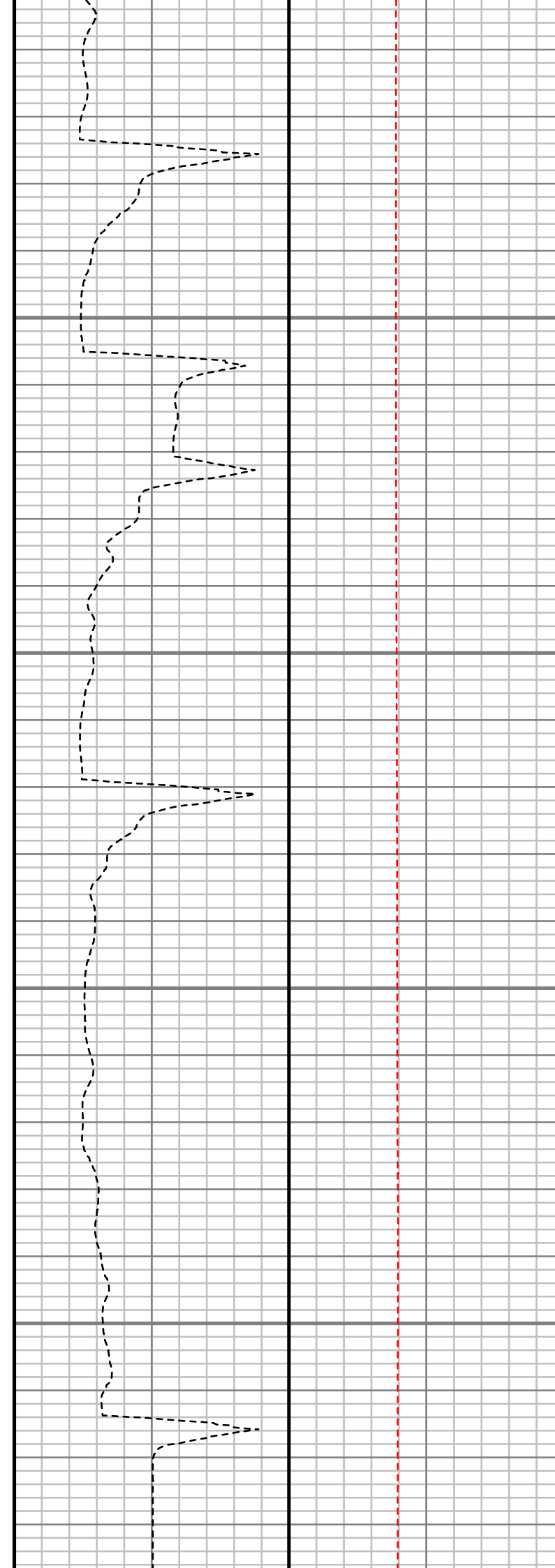
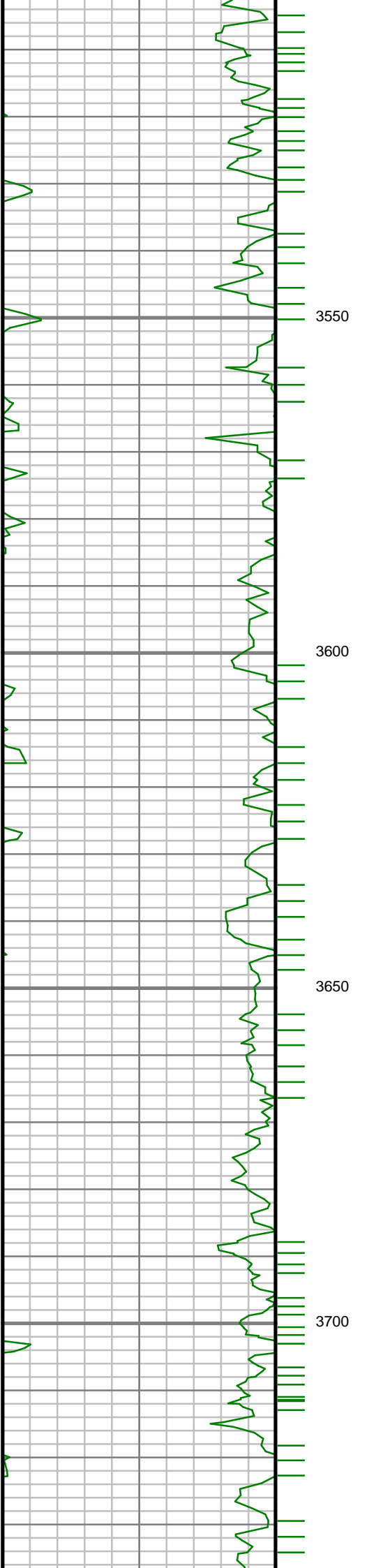
S: 35 MD: 3187.00 ft
Inc: 13.53 deg Az:
292.71 deg TVD:
3126.24 ft



S: 36 MD: 3282.00 ft
Inc: 12.50 deg Az:
289.65 deg TVD:
3218.80 ft

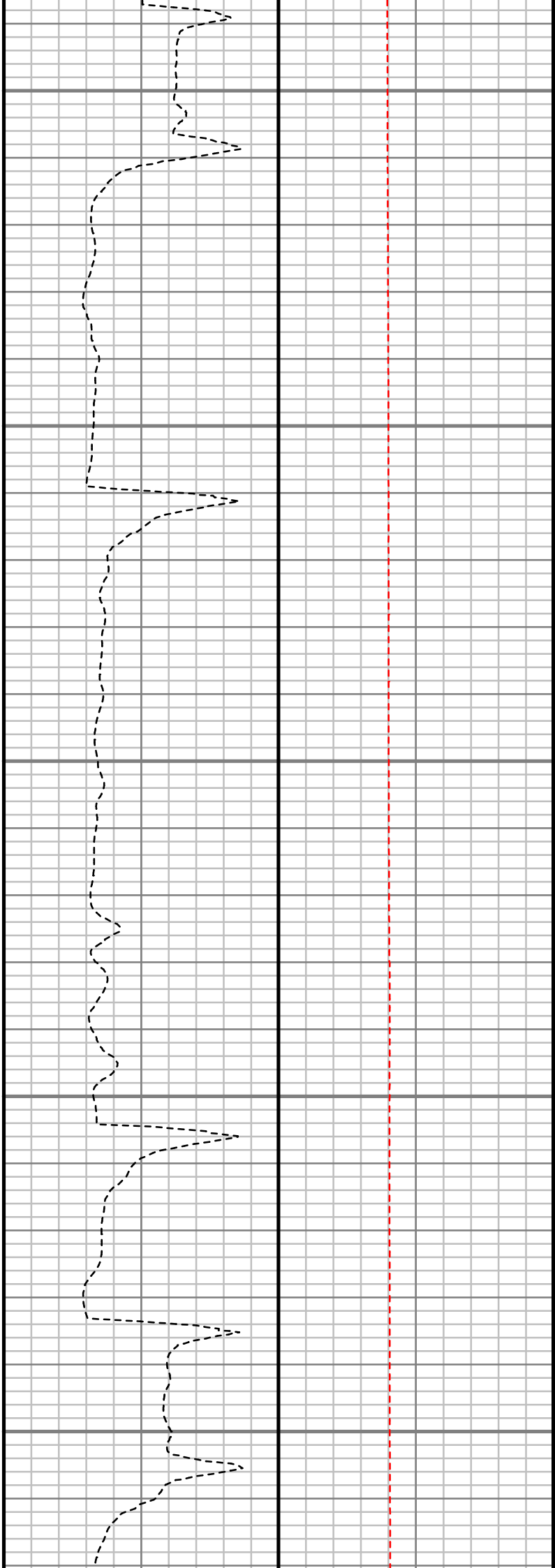
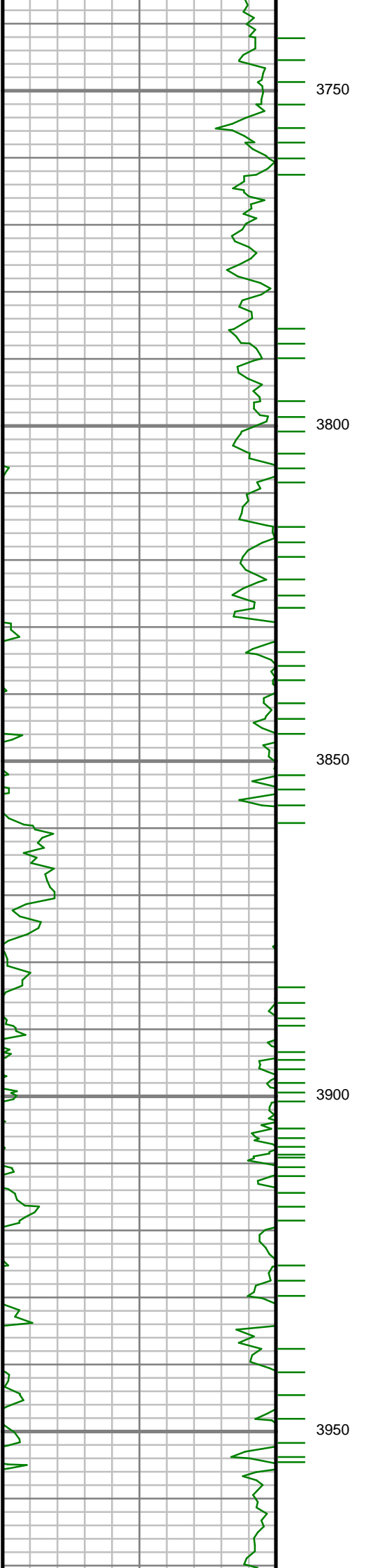
S: 37 MD: 3377.00 ft
Inc: 12.51 deg Az:
292.97 deg TVD:
3311.54 ft

S: 38 MD: 3472.00 ft
Inc: 12.16 deg Az:
292.57 deg TVD:
3404.35 ft



S: 39 MD: 3567.00 ft
Inc: 11.95 deg Az:
293.65 deg TVD:
3497.26 ft

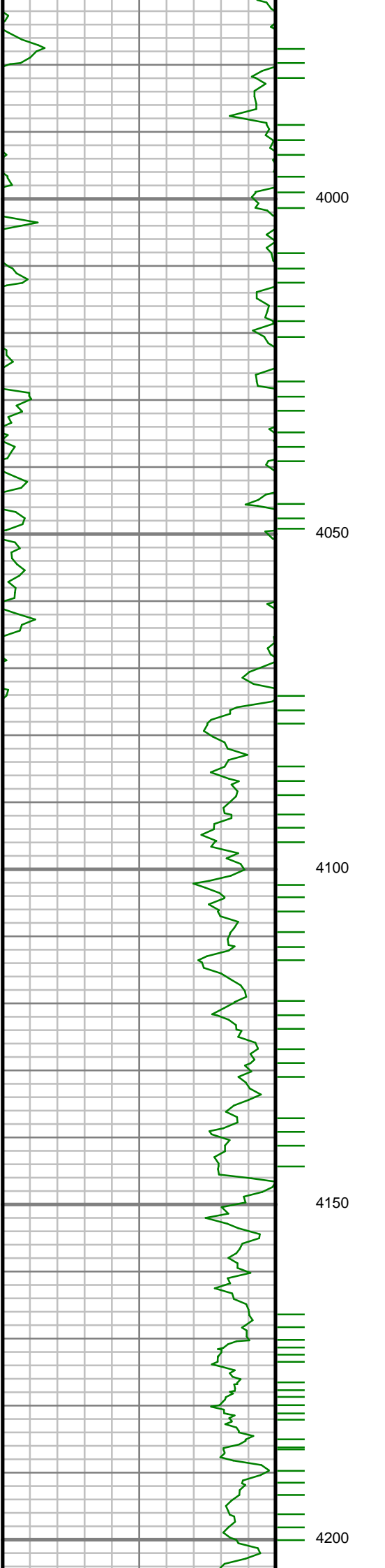
S: 40 MD: 3662.00 ft
Inc: 11.85 deg Az:
293.55 deg TVD:
3590.21 ft



S: 41 MD: 3757.00 ft
Inc: 12.89 deg Az:
291.80 deg TVD:
3683.01 ft

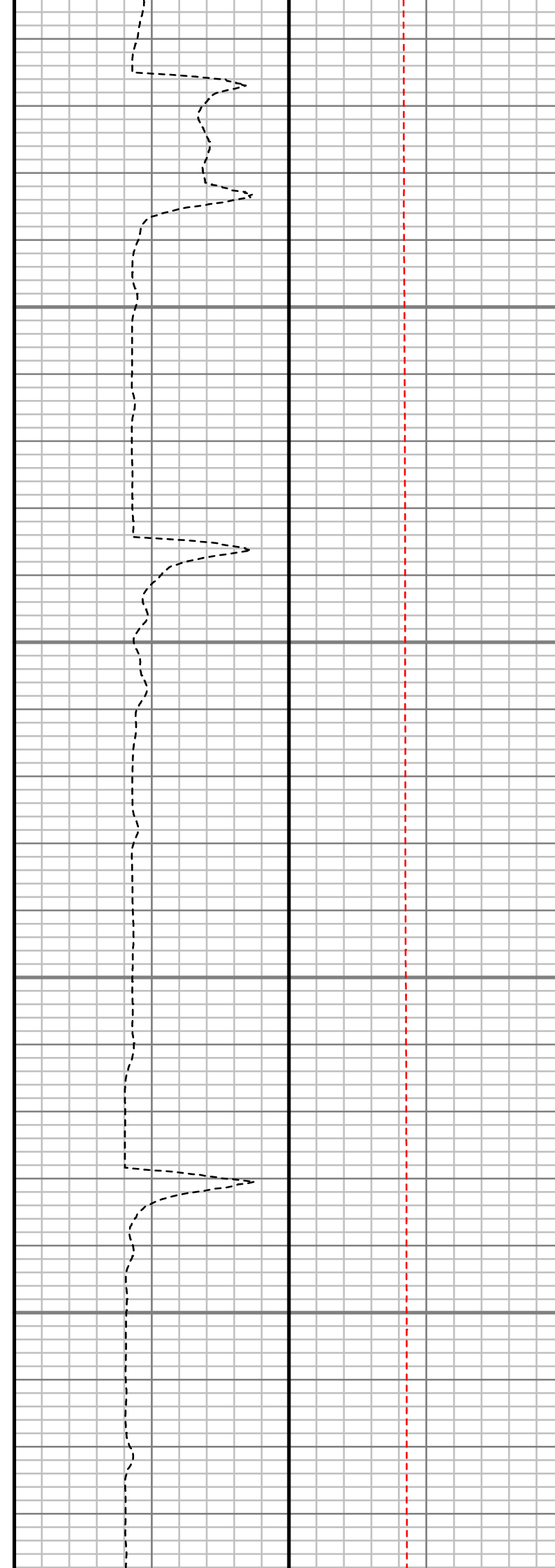
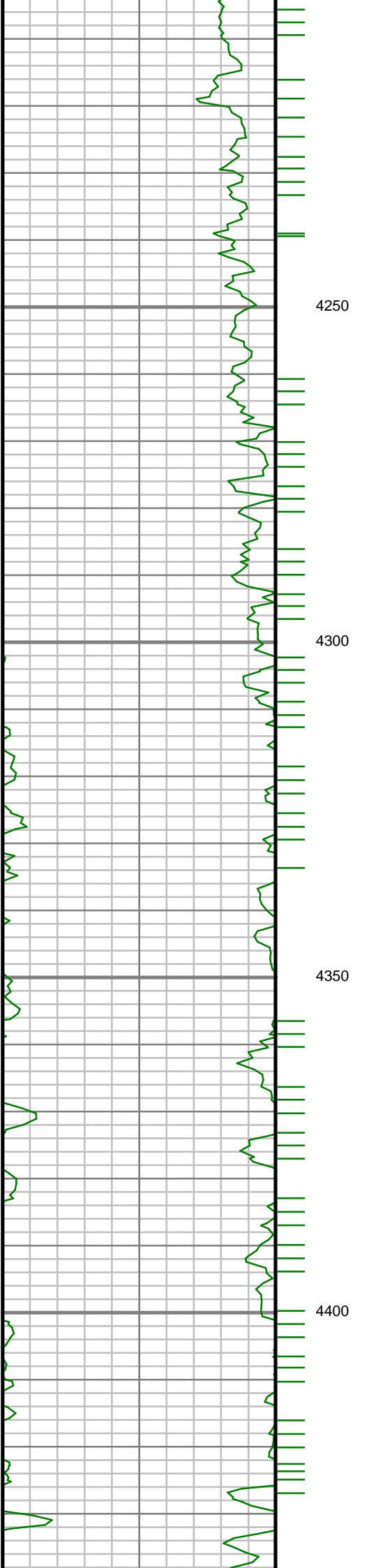
S: 42 MD: 3853.00 ft
Inc: 12.09 deg Az:
287.80 deg TVD:
3776.74 ft

S: 43 MD: 3947.00 ft
Inc: 12.83 deg Az:
290.70 deg TVD:
3868.52 ft



S: 44 MD: 4043.00 ft
Inc: 13.09 deg Az:
290.51 deg TVD:
3962.08 ft

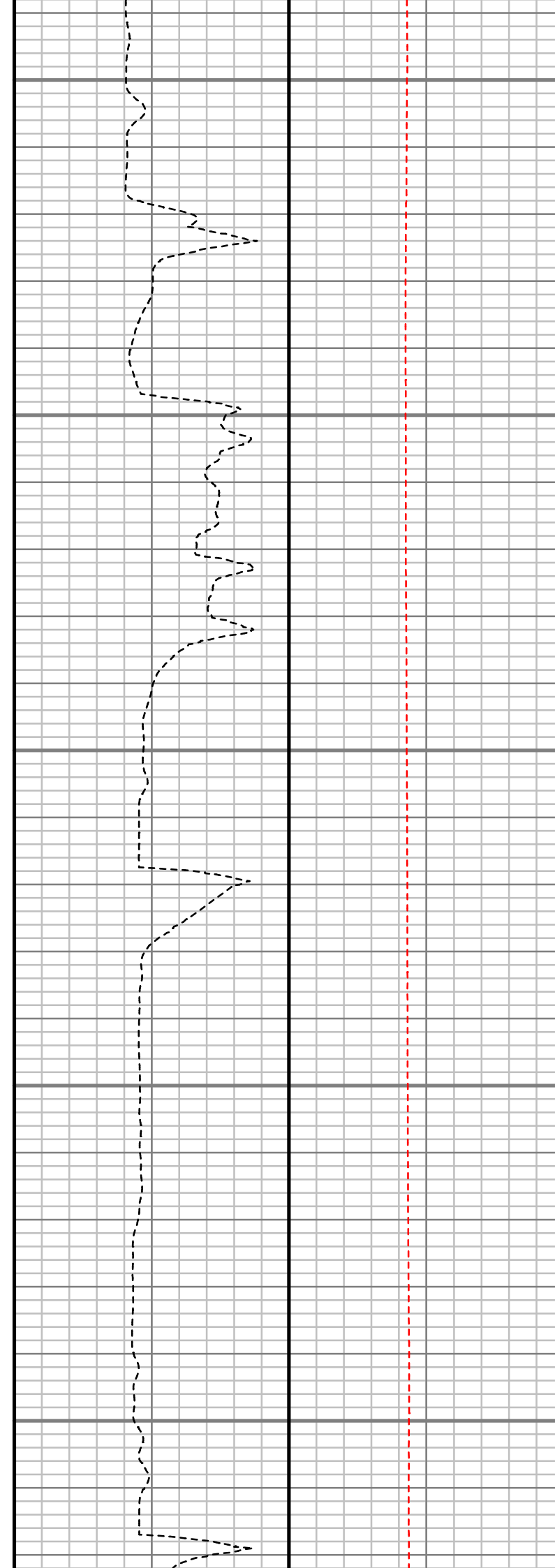
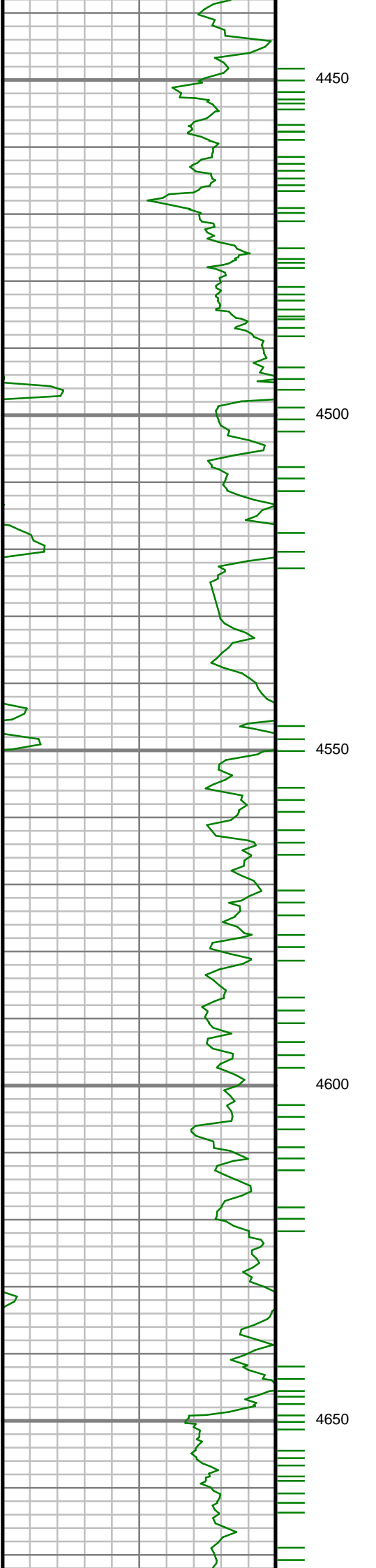
S: 45 MD: 4138.00 ft
Inc: 12.19 deg Az:
289.48 deg TVD:
4054.77 ft



S: 46 MD: 4233.00 ft
Inc: 13.89 deg Az:
292.87 deg TVD:
4147.32 ft

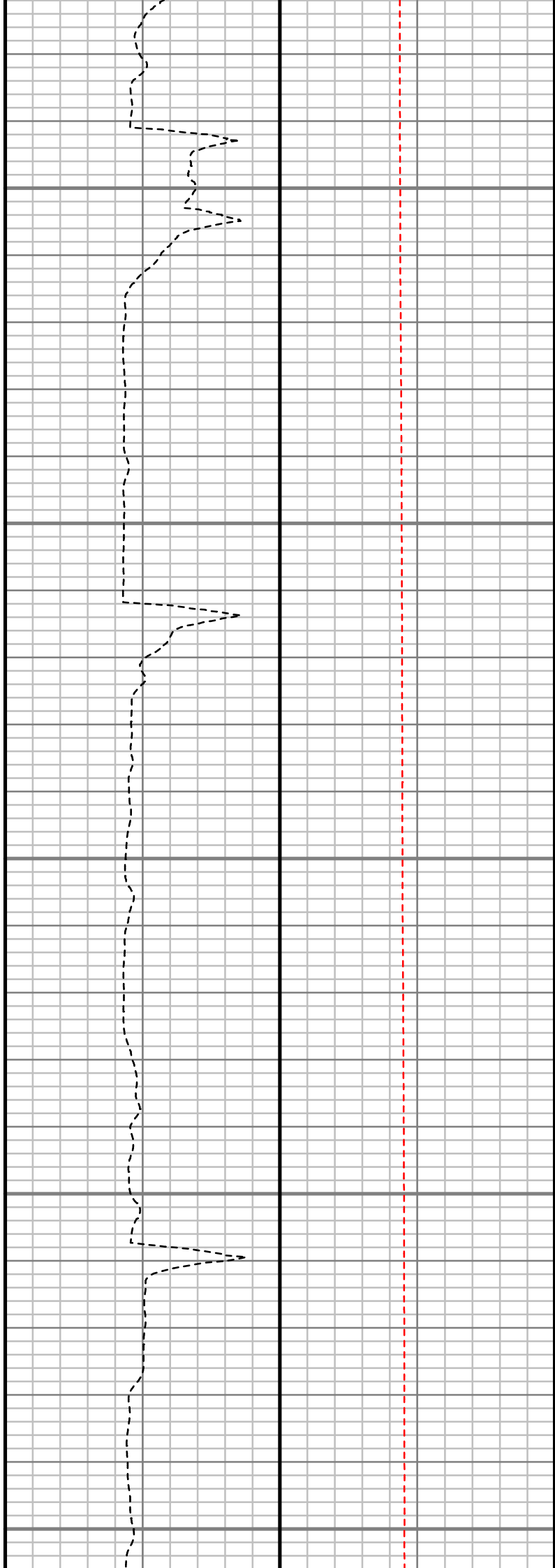
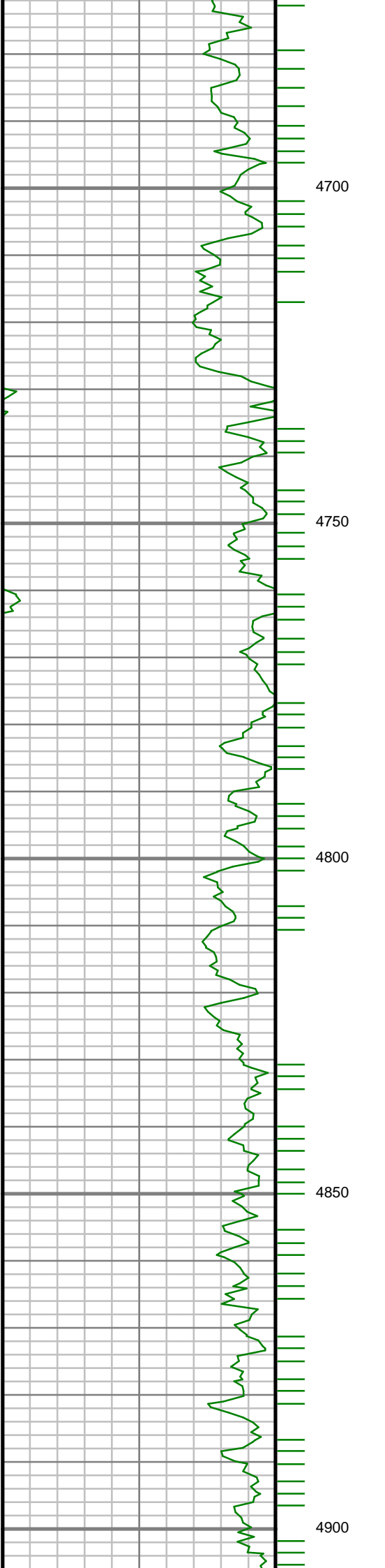
S: 47 MD: 4328.00 ft
Inc: 13.33 deg Az:
289.13 deg TVD:
4239.65 ft

S: 48 MD: 4423.00 ft
Inc: 12.00 deg Az:
289.59 deg TVD:
4332.34 ft



S: 49 MD: 4518.00 ft
Inc: 12.24 deg Az:
290.21 deg TVD:
4425.22 ft

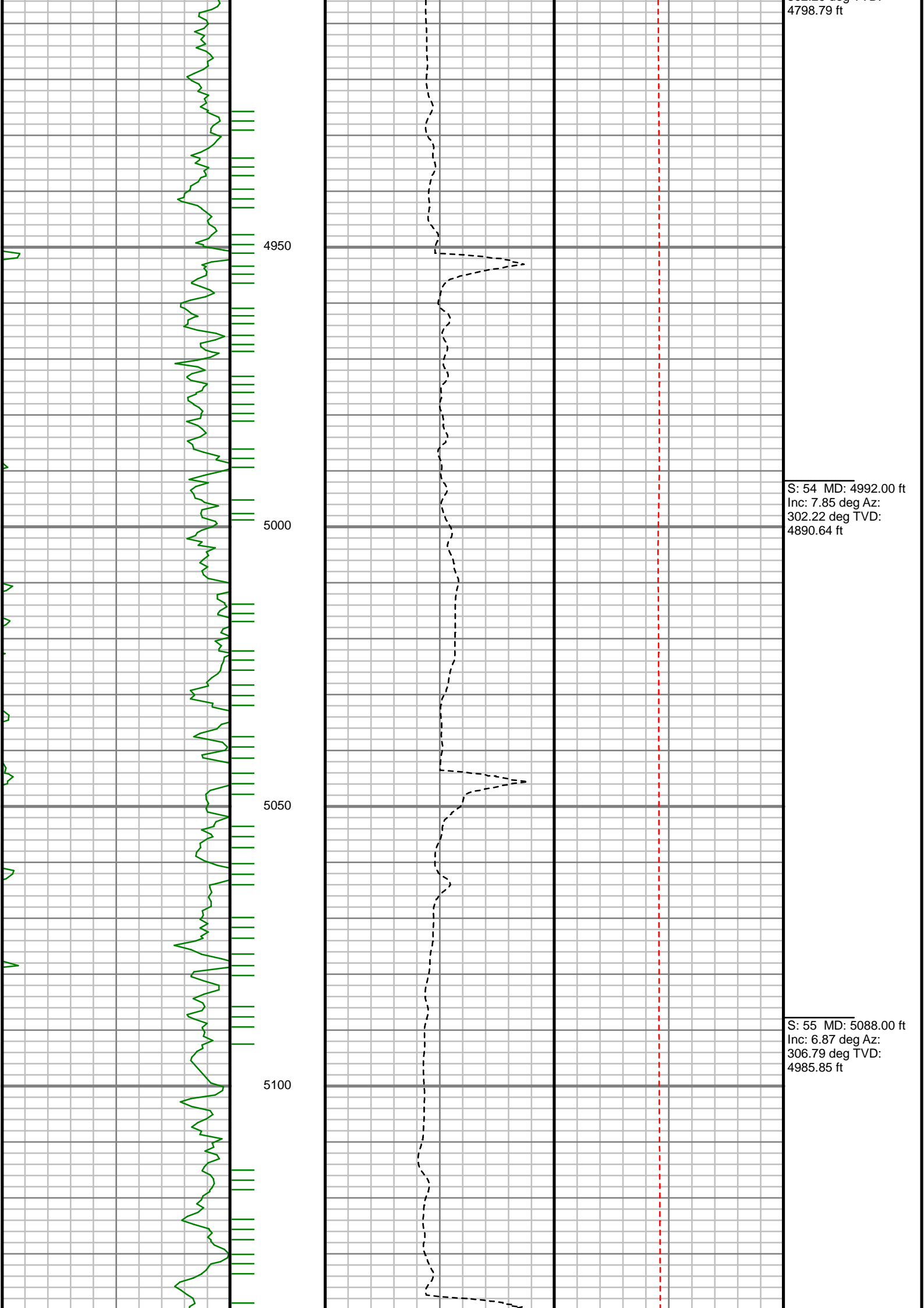
S: 50 MD: 4614.00 ft
Inc: 11.05 deg Az:
295.34 deg TVD:
4519.24 ft

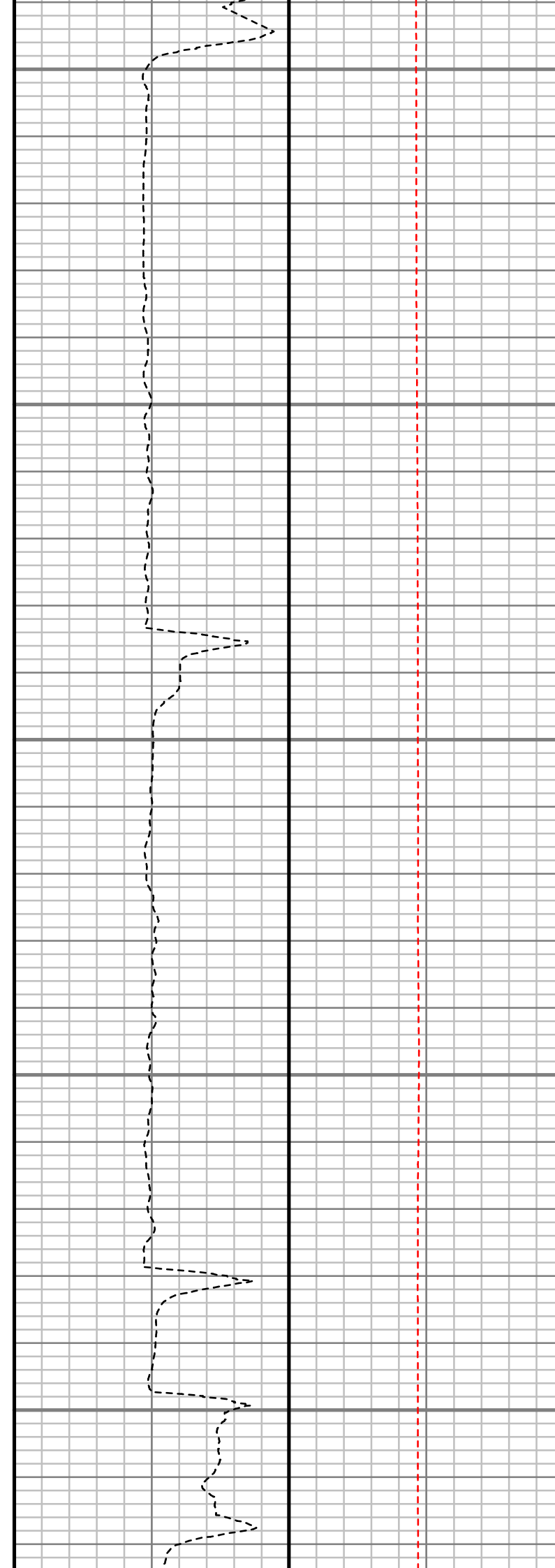
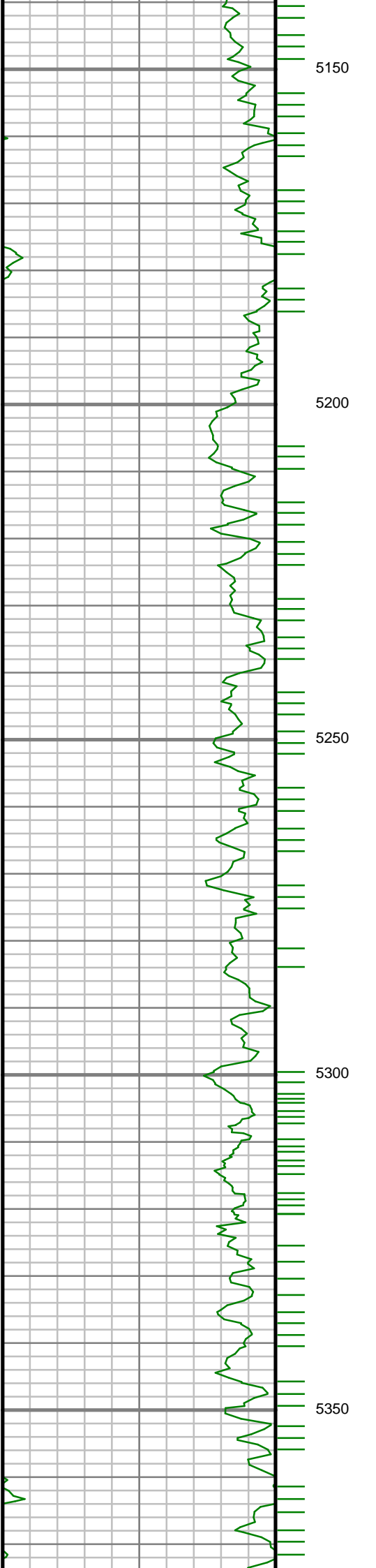


S: 51 MD: 4708.00 ft
Inc: 11.60 deg Az:
299.93 deg TVD:
4611.42 ft

S: 52 MD: 4803.00 ft
Inc: 11.49 deg Az:
300.06 deg TVD:
4704.49 ft

S: 53 MD: 4899.00 ft
Inc: 10.12 deg Az:
302.29 deg TVD:

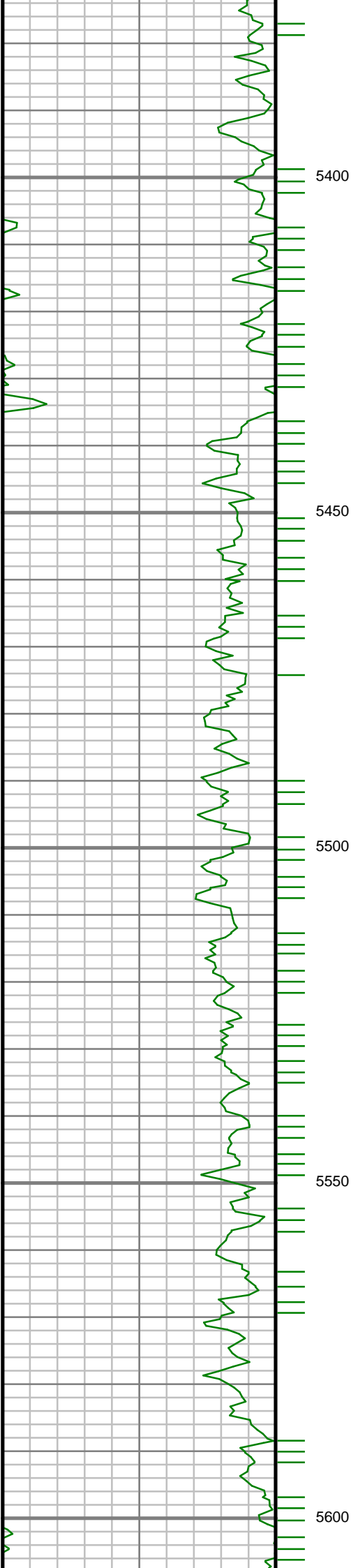




S: 56 MD: 5182.00 ft
Inc: 5.91 deg Az:
311.36 deg TVD:
5079.27 ft

S: 57 MD: 5277.00 ft
Inc: 5.45 deg Az:
309.14 deg TVD:
5173.80 ft

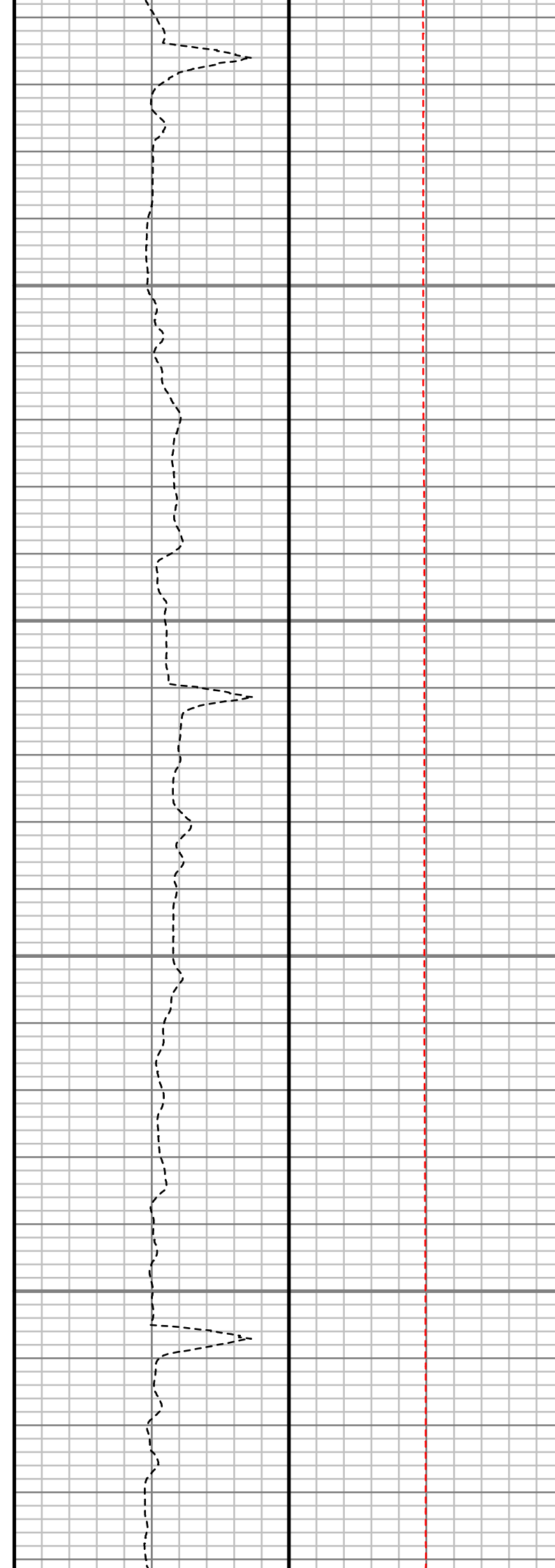
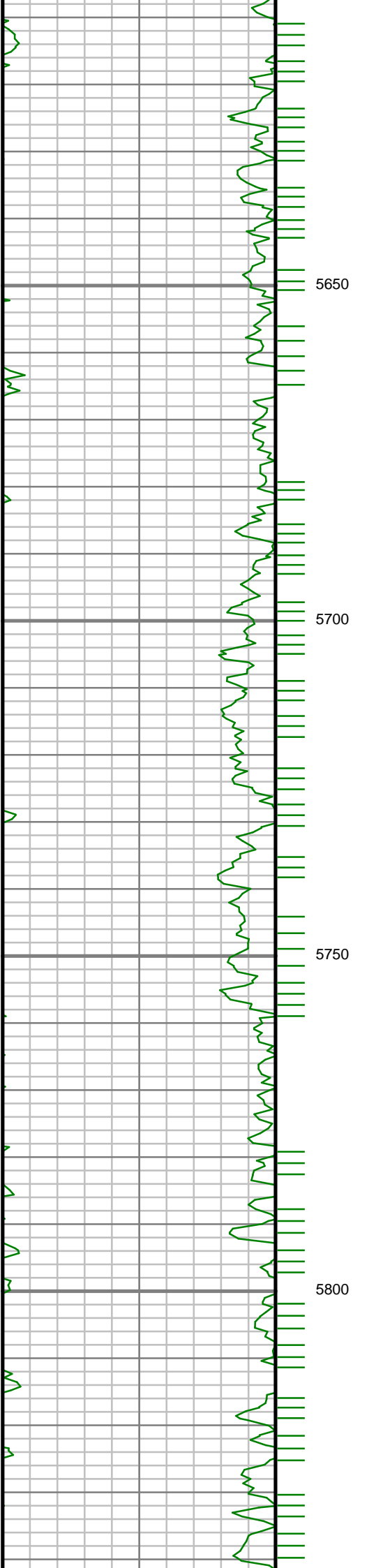
S: 58 MD: 5371.00 ft



Inc: 2.76 deg Az:
282.49 deg TVD:
5267.56 ft

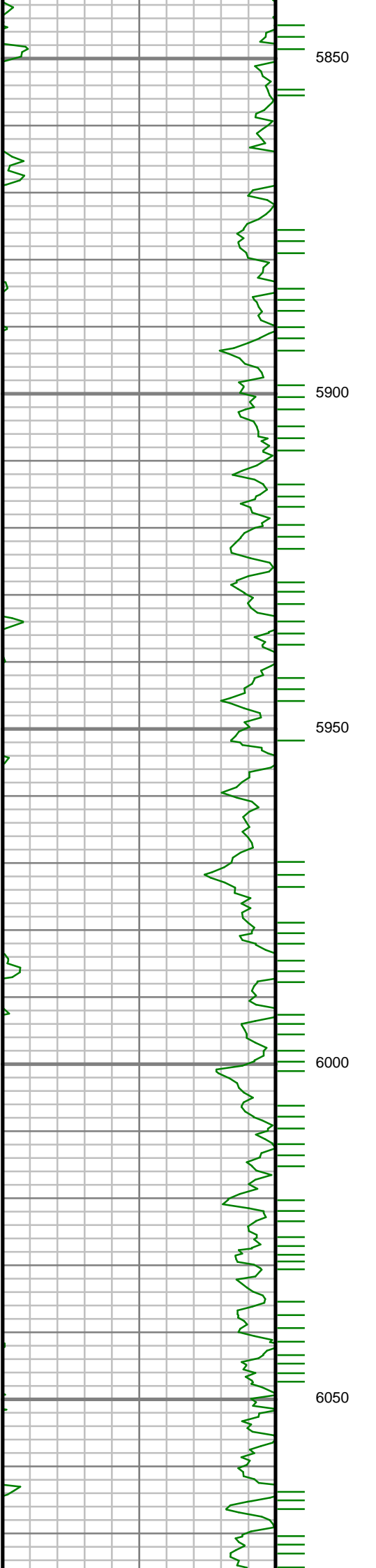
S: 59 MD: 5467.00 ft
Inc: 2.00 deg Az:
271.00 deg TVD:
5363.47 ft

S: 60 MD: 5561.00 ft
Inc: 1.56 deg Az:
281.51 deg TVD:
5457.43 ft



S: 61 MD: 5656.00 ft
Inc: 1.25 deg Az:
264.13 deg TVD:
5552.40 ft

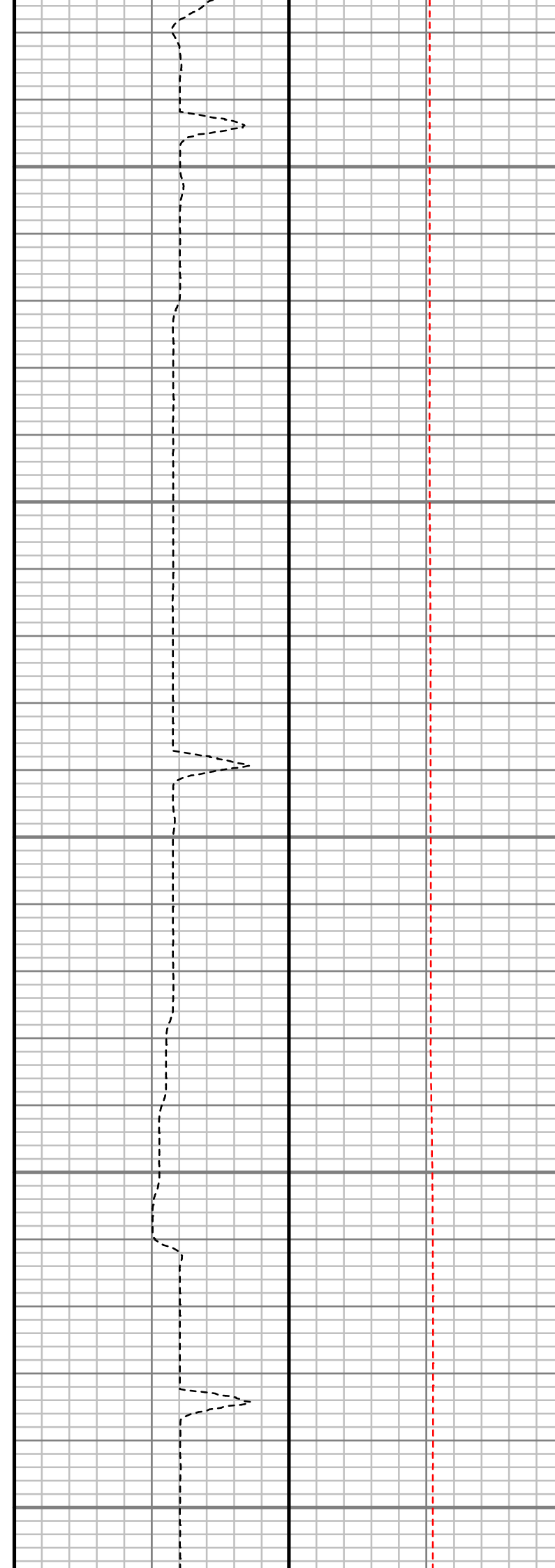
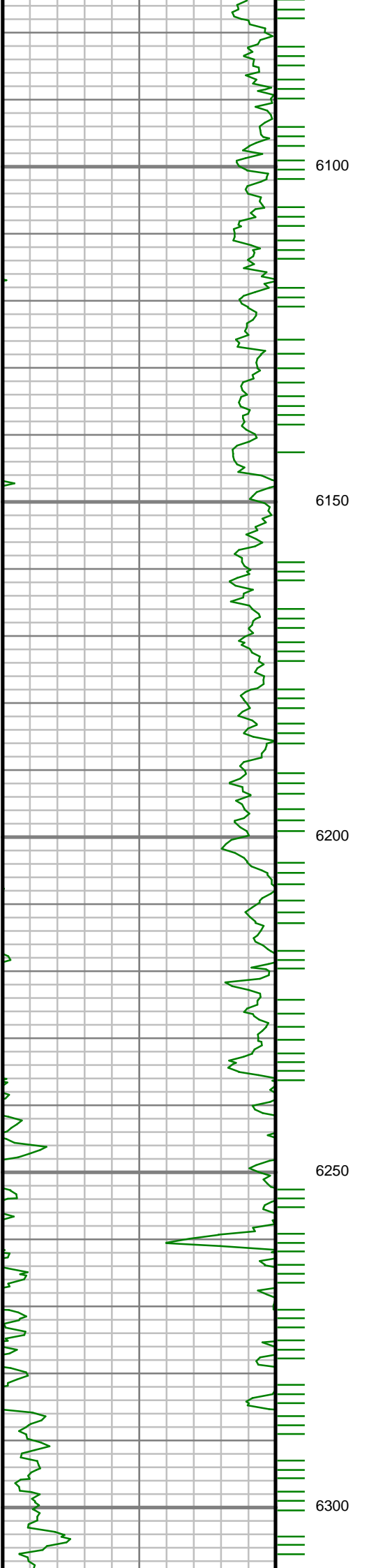
S: 62 MD: 5751.00 ft
Inc: 0.64 deg Az:
301.41 deg TVD:
5647.39 ft



S: 63 MD: 5846.00 ft
Inc: 0.35 deg Az:
254.72 deg TVD:
5742.38 ft

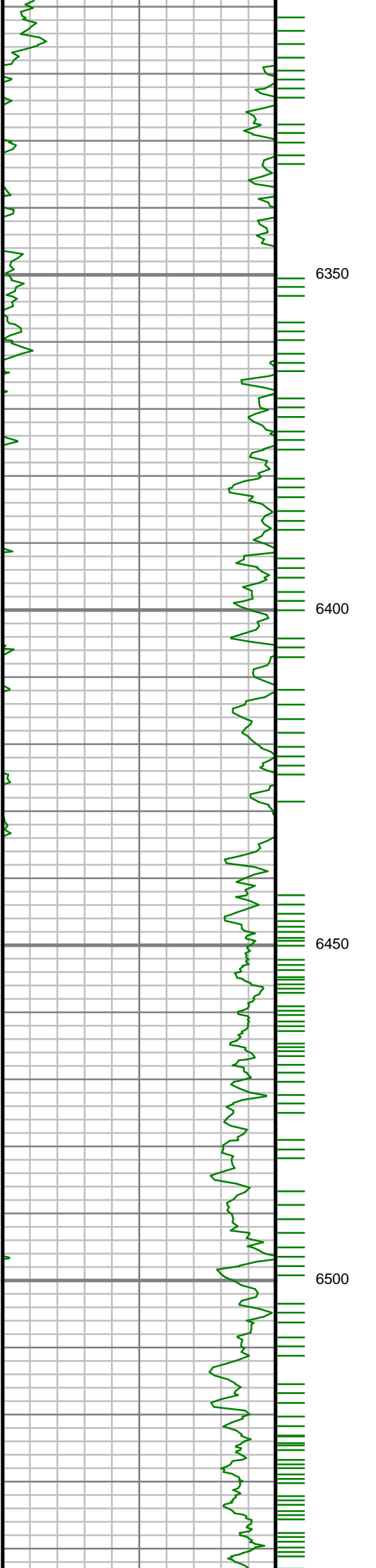
S: 64 MD: 5941.00 ft
Inc: 0.55 deg Az:
296.59 deg TVD:
5837.38 ft

S: 65 MD: 6035.00 ft
Inc: 0.58 deg Az:
284.54 deg TVD:
5931.38 ft



S: 66 MD: 6131.00 ft
Inc: 0.23 deg Az:
215.72 deg TVD:
6027.38 ft

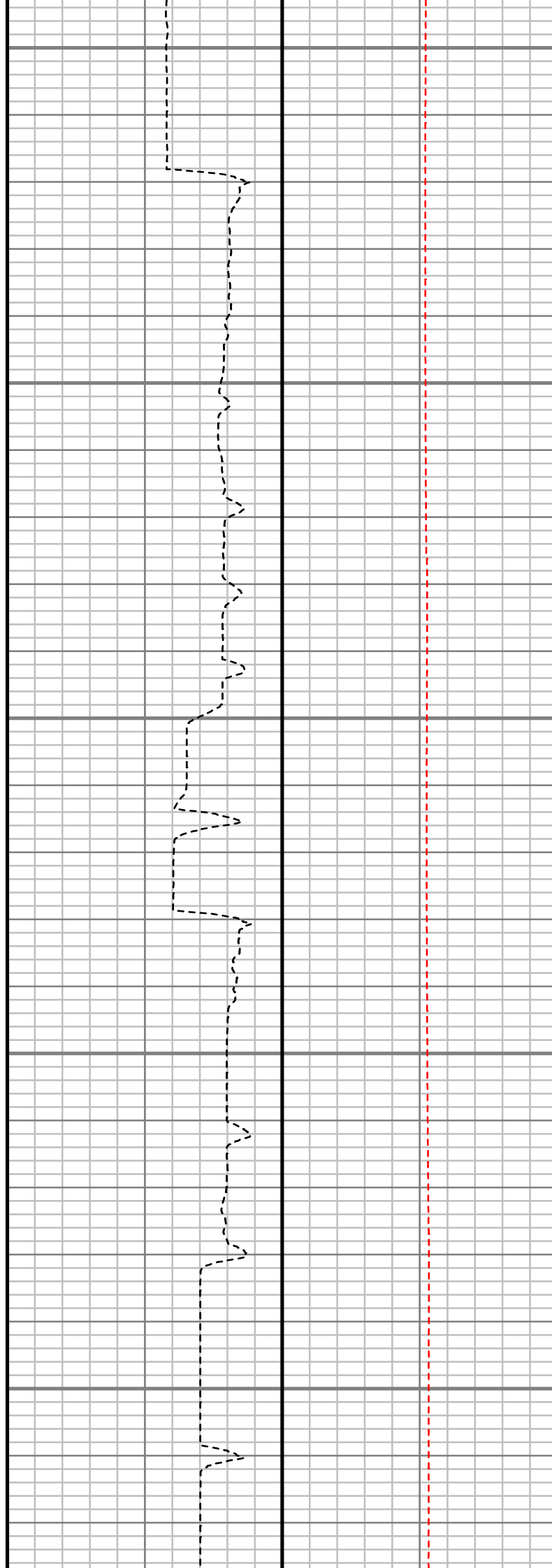
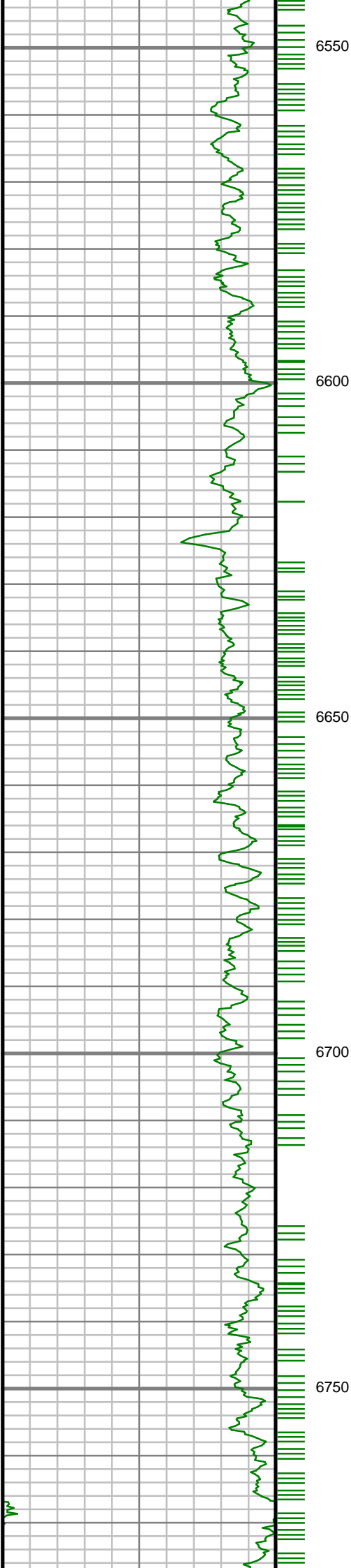
S: 67 MD: 6225.00 ft
Inc: 0.15 deg Az:
271.30 deg TVD:
6121.38 ft



S: 68 MD: 6320.00 ft
Inc: 0.64 deg Az:
226.74 deg TVD:
6216.37 ft

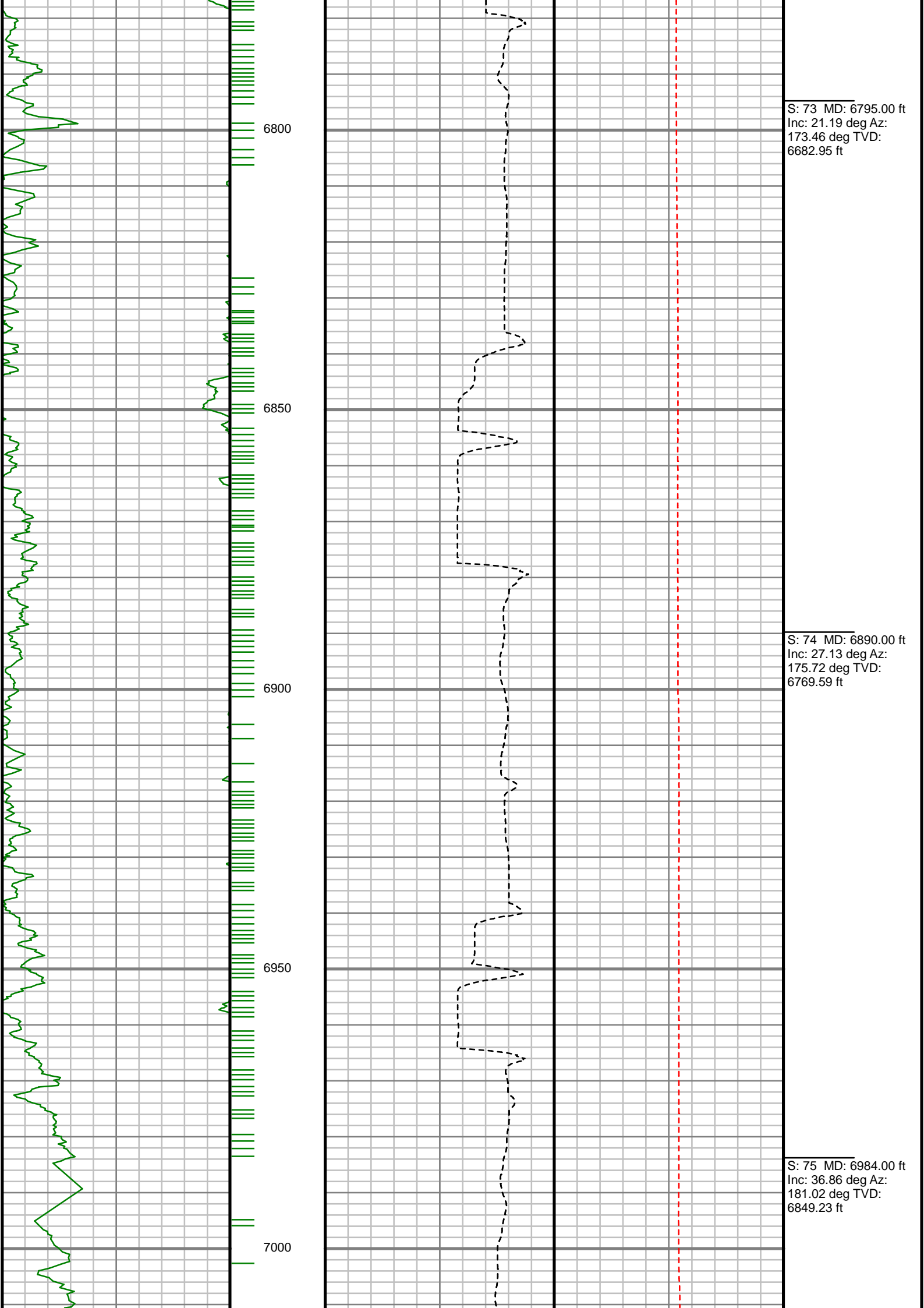
S: 69 MD: 6415.00 ft
Inc: 0.23 deg Az:
169.70 deg TVD:
6311.37 ft

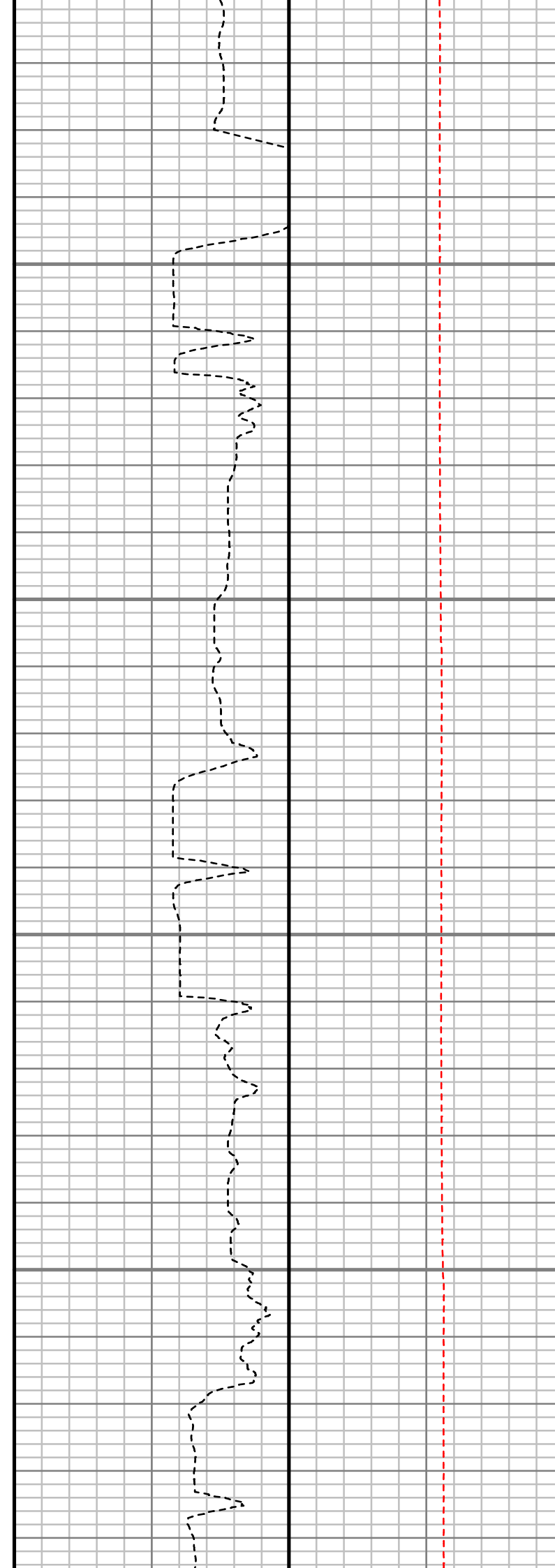
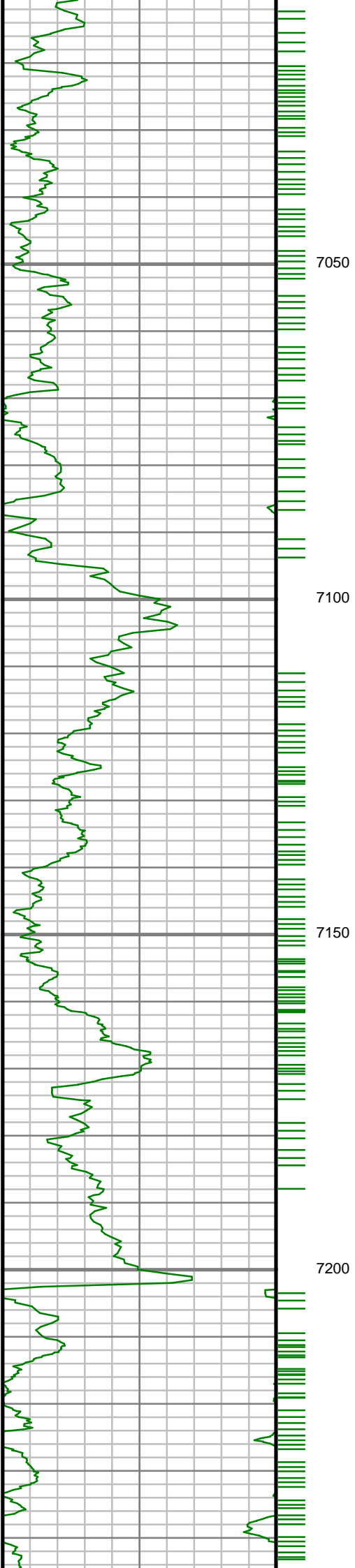
S: 70 MD: 6510.00 ft
Inc: 2.19 deg Az:
175.72 deg TVD:
6406.34 ft



S: 71 MD: 6604.00 ft
Inc: 8.67 deg Az:
186.64 deg TVD:
6499.87 ft

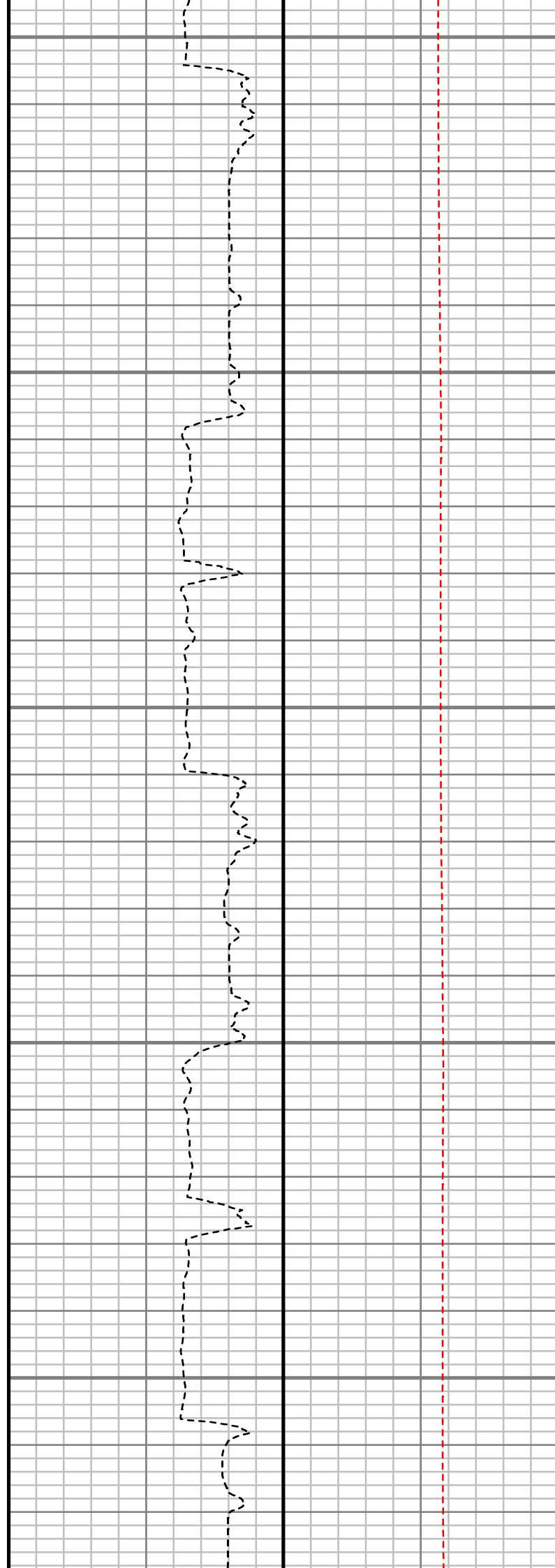
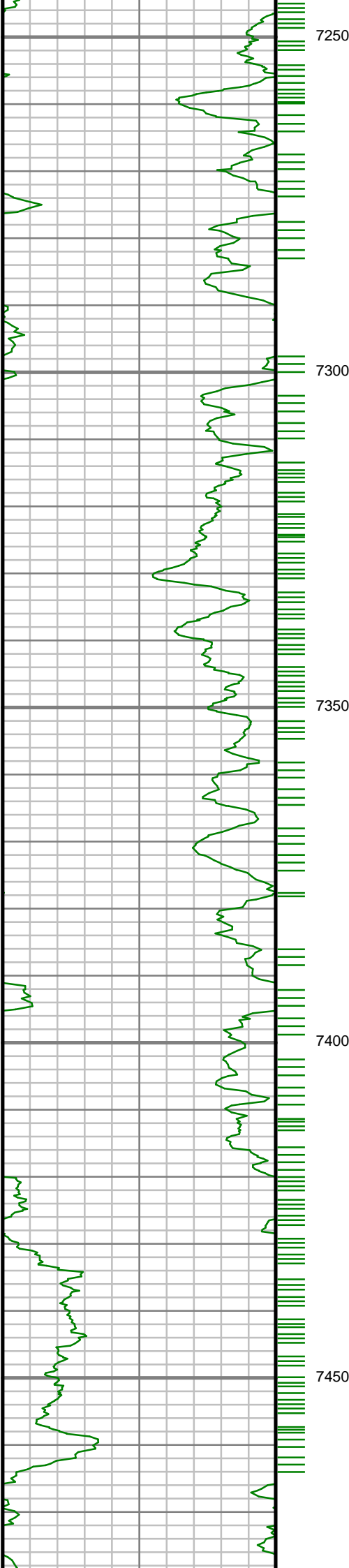
S: 72 MD: 6699.00 ft
Inc: 17.39 deg Az:
174.43 deg TVD:
6592.36 ft





S: 76 MD: 7079.00 ft
Inc: 44.66 deg Az:
182.89 deg TVD:
6921.14 ft

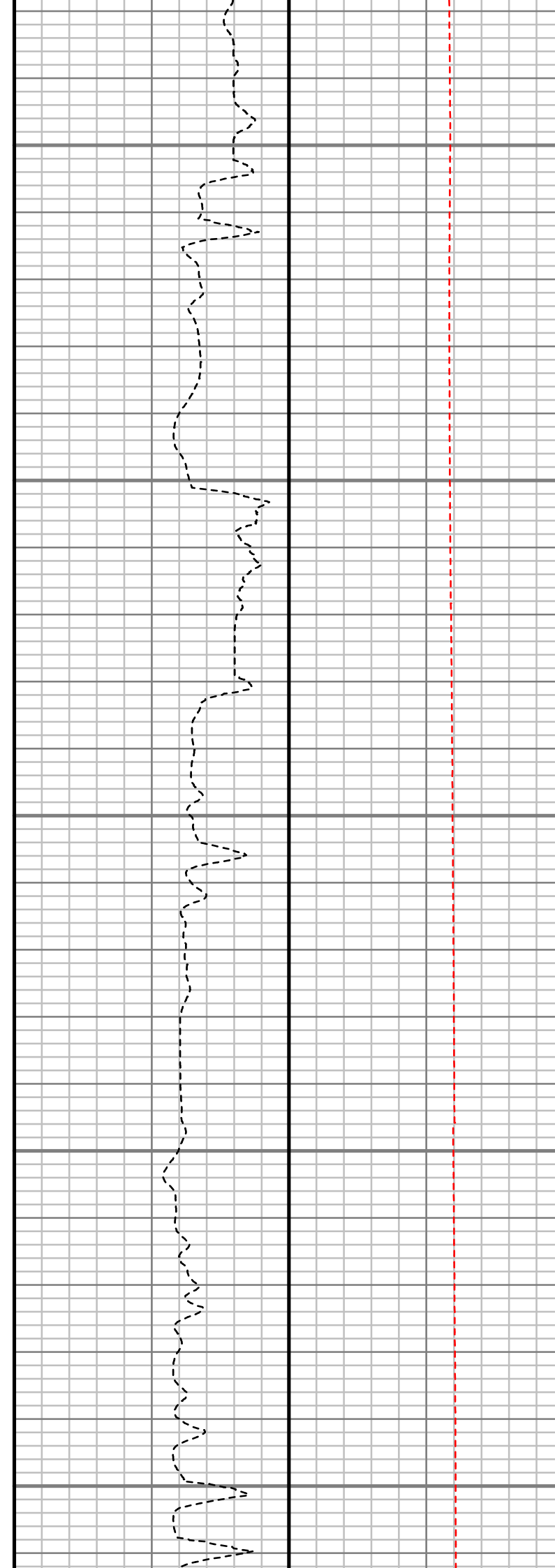
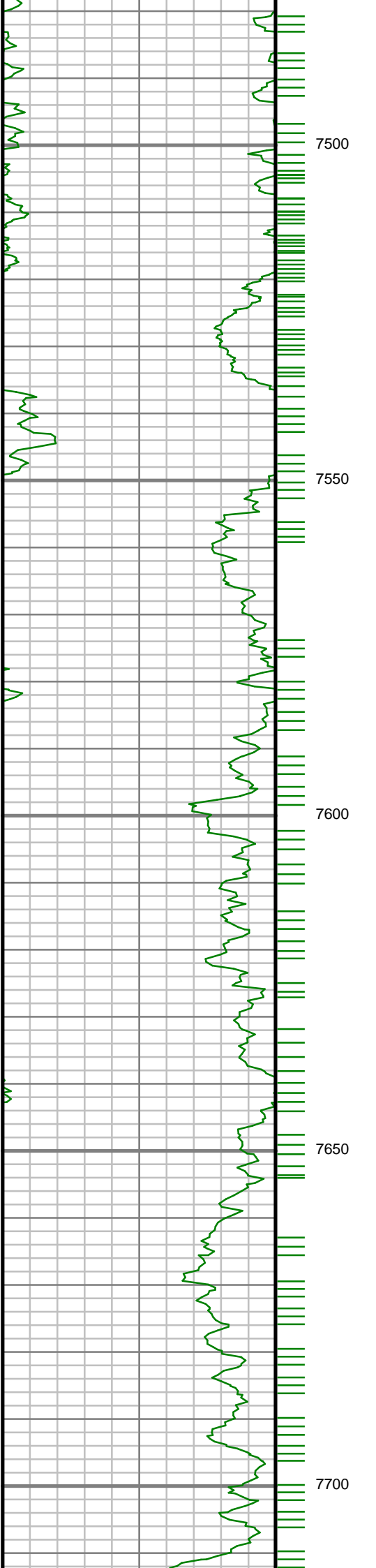
S: 77 MD: 7174.00 ft
Inc: 52.55 deg Az:
184.40 deg TVD:
6983.91 ft



S: 78 MD: 7269.00 ft
Inc: 62.20 deg Az:
183.32 deg TVD:
7035.07 ft

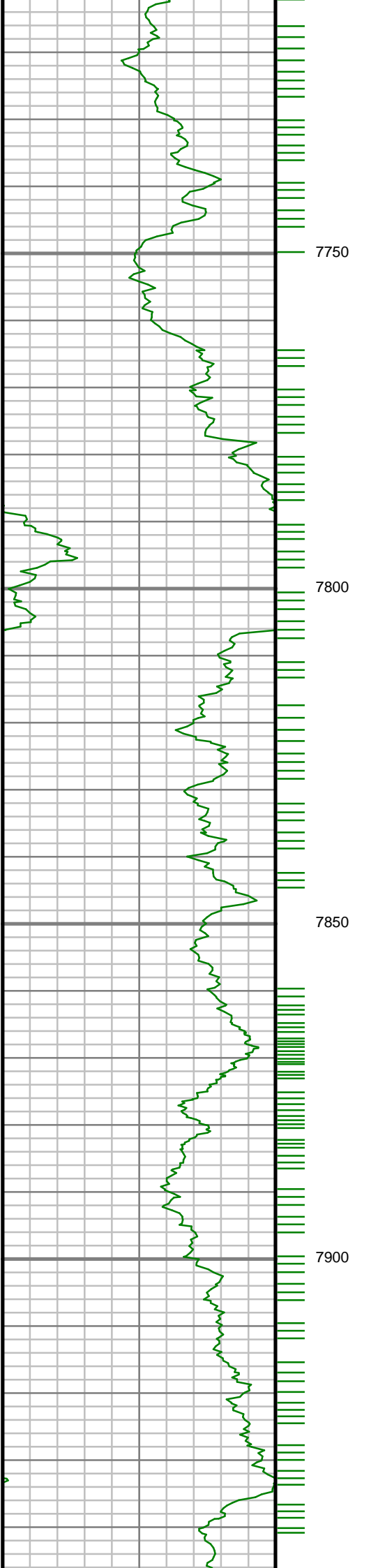
S: 79 MD: 7363.00 ft
Inc: 69.19 deg Az:
181.26 deg TVD:
7073.74 ft

S: 80 MD: 7457.00 ft
Inc: 74.87 deg Az:
182.08 deg TVD:
7102.73 ft



S: 81 MD: 7552.00 ft
Inc: 82.62 deg Az:
182.65 deg TVD:
7121.25 ft

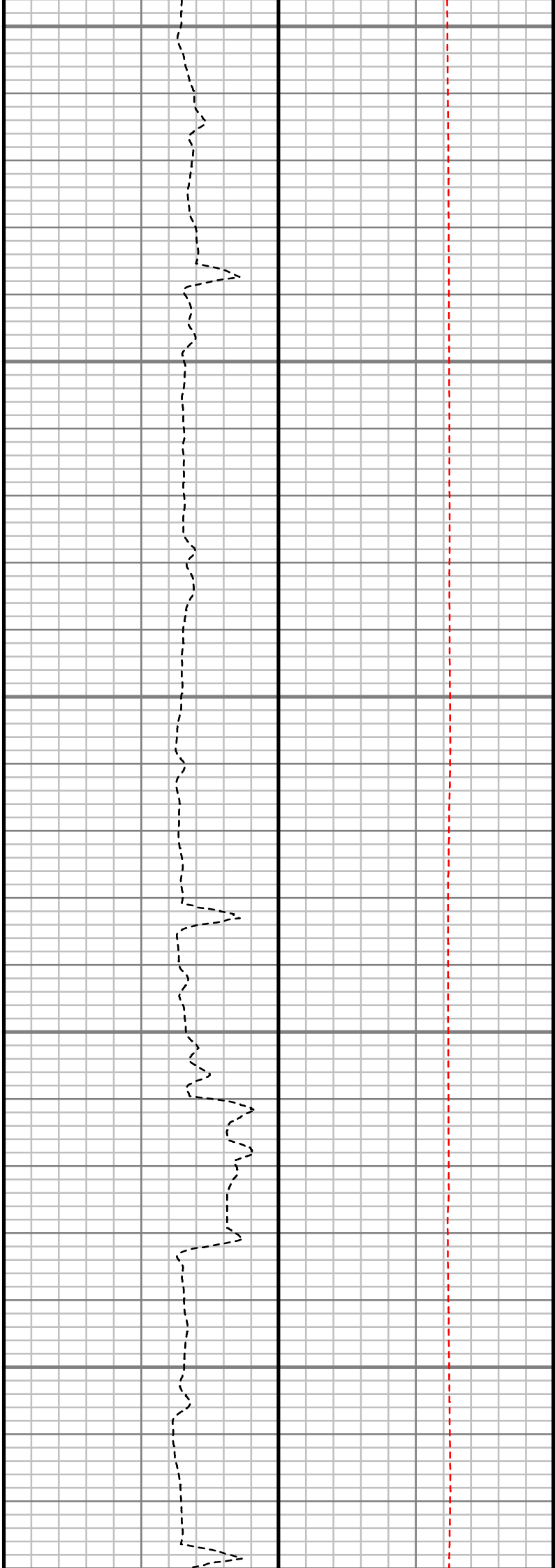
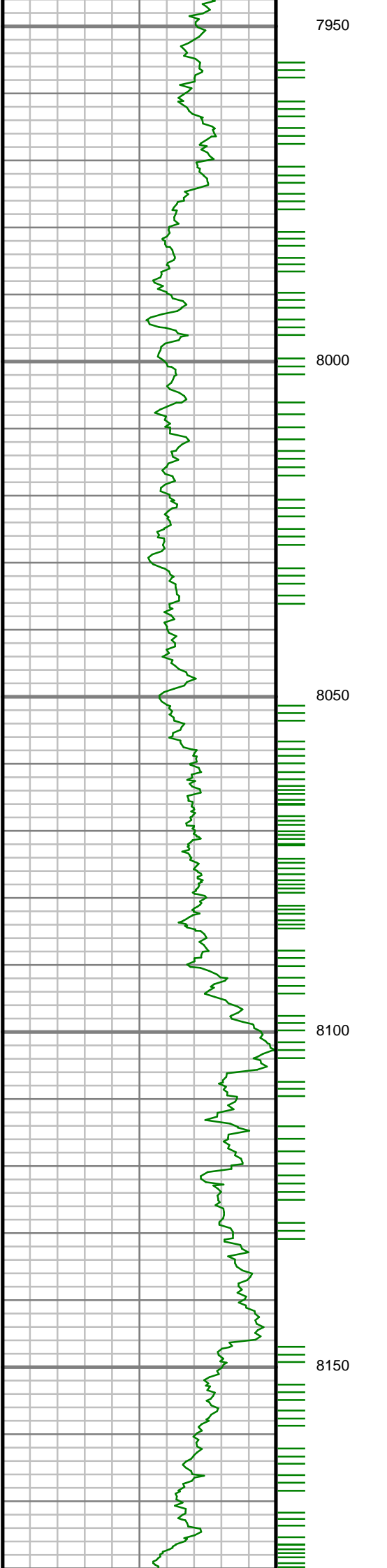
S: 82 MD: 7647.00 ft
Inc: 86.40 deg Az:
182.52 deg TVD:
7130.34 ft



S: 83 MD: 7742.00 ft
Inc: 86.97 deg Az:
181.33 deg TVD:
7135.83 ft

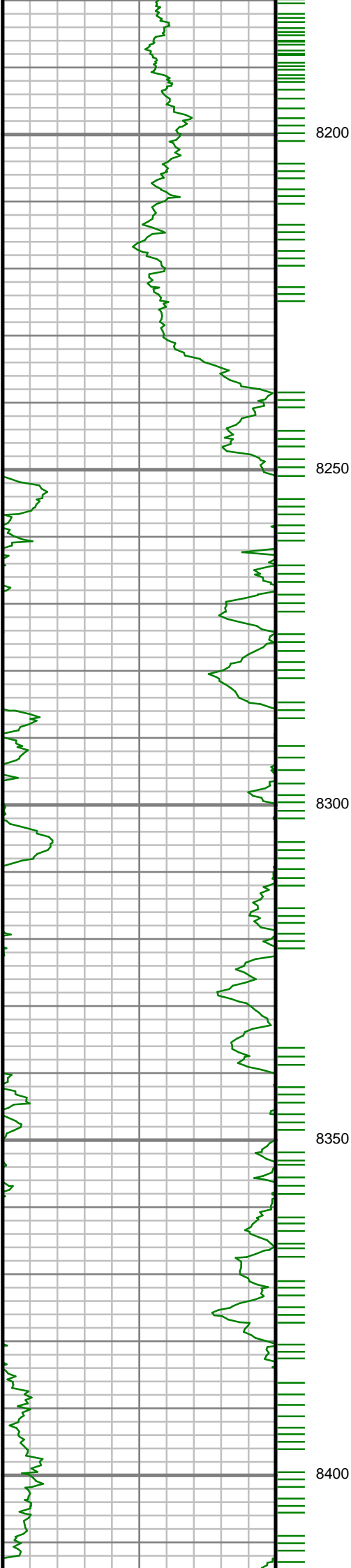
S: 84 MD: 7837.00 ft
Inc: 87.18 deg Az:
180.51 deg TVD:
7140.68 ft

S: 85 MD: 7932.00 ft
Inc: 89.16 deg Az:
183.47 deg TVD:
7143.72 ft



S: 86 MD: 8026.00 ft
Inc: 91.01 deg Az:
183.38 deg TVD:
7143.58 ft

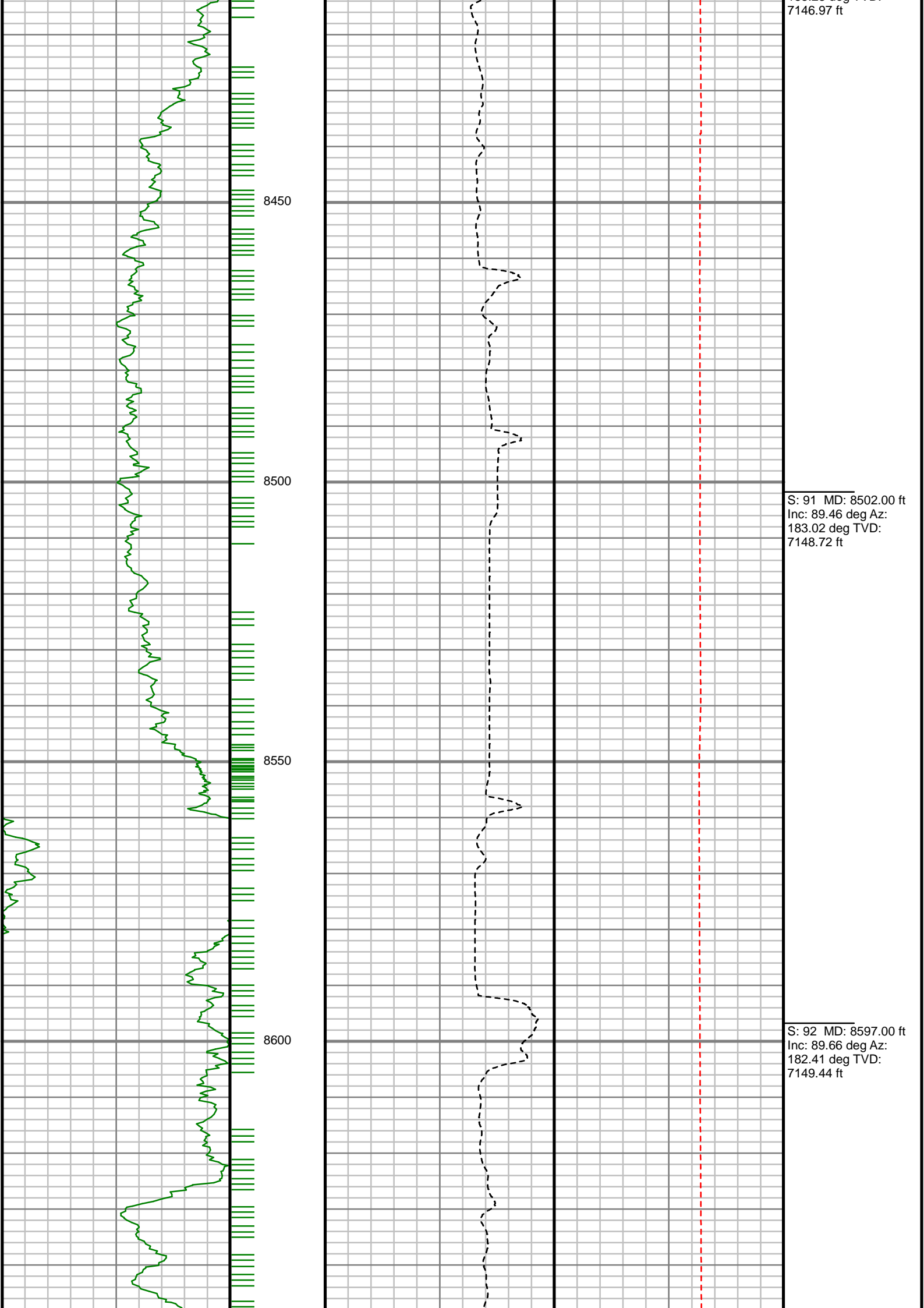
S: 87 MD: 8121.00 ft
Inc: 90.34 deg Az:
184.61 deg TVD:
7142.46 ft

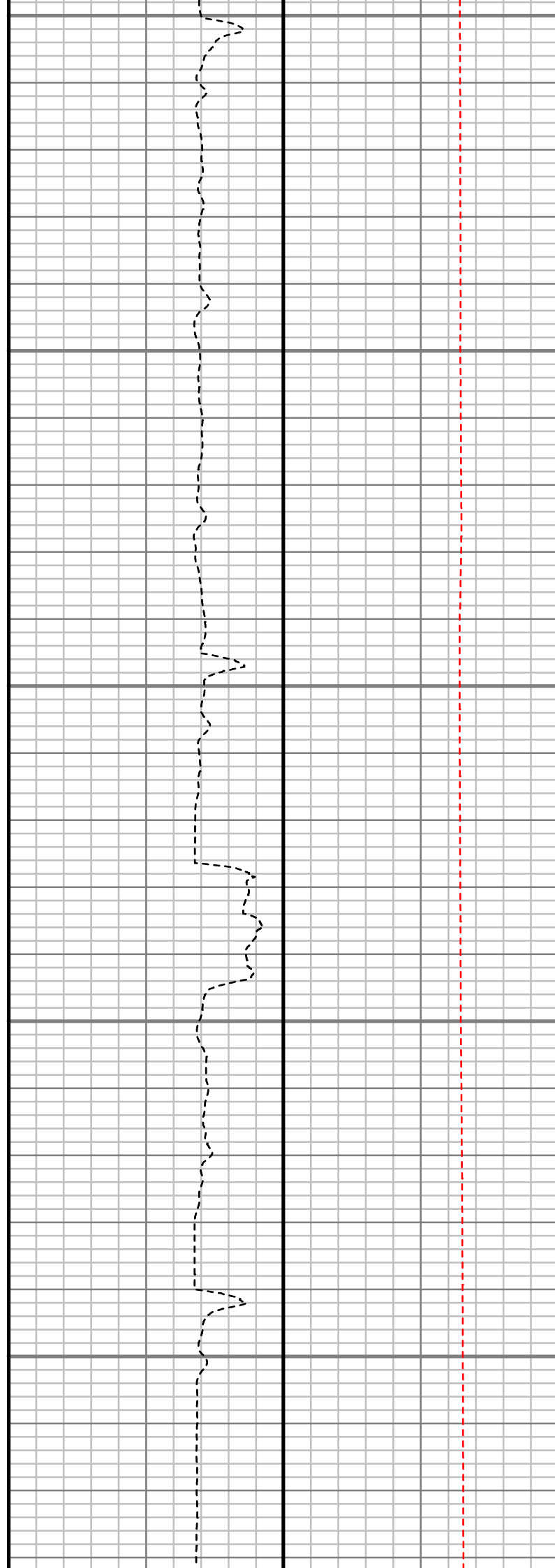
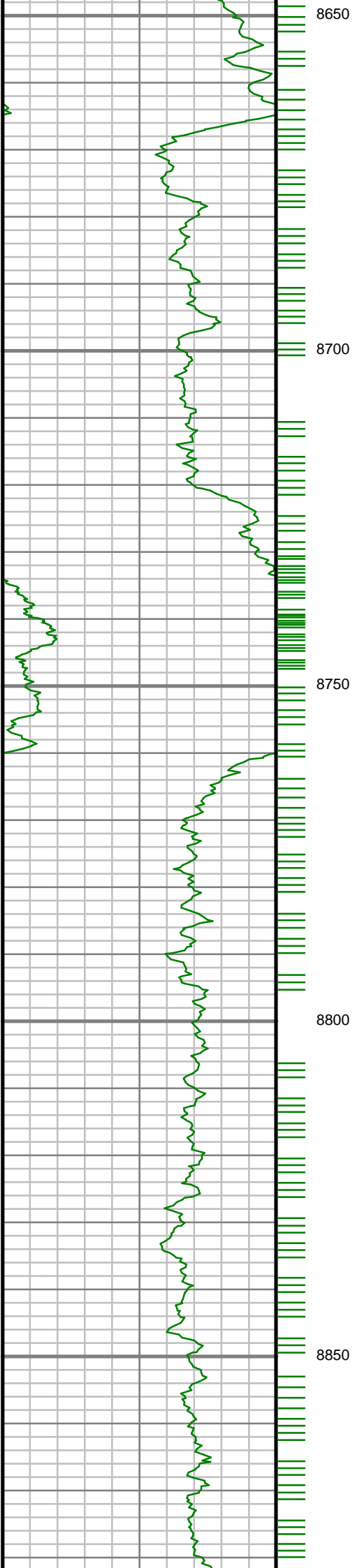


S: 88 MD: 8216.00 ft
Inc: 90.10 deg Az:
184.72 deg TVD:
7142.10 ft

S: 89 MD: 8312.00 ft
Inc: 87.81 deg Az:
183.83 deg TVD:
7143.85 ft

S: 90 MD: 8407.00 ft
Inc: 88.42 deg Az:
183.23 deg TVD:

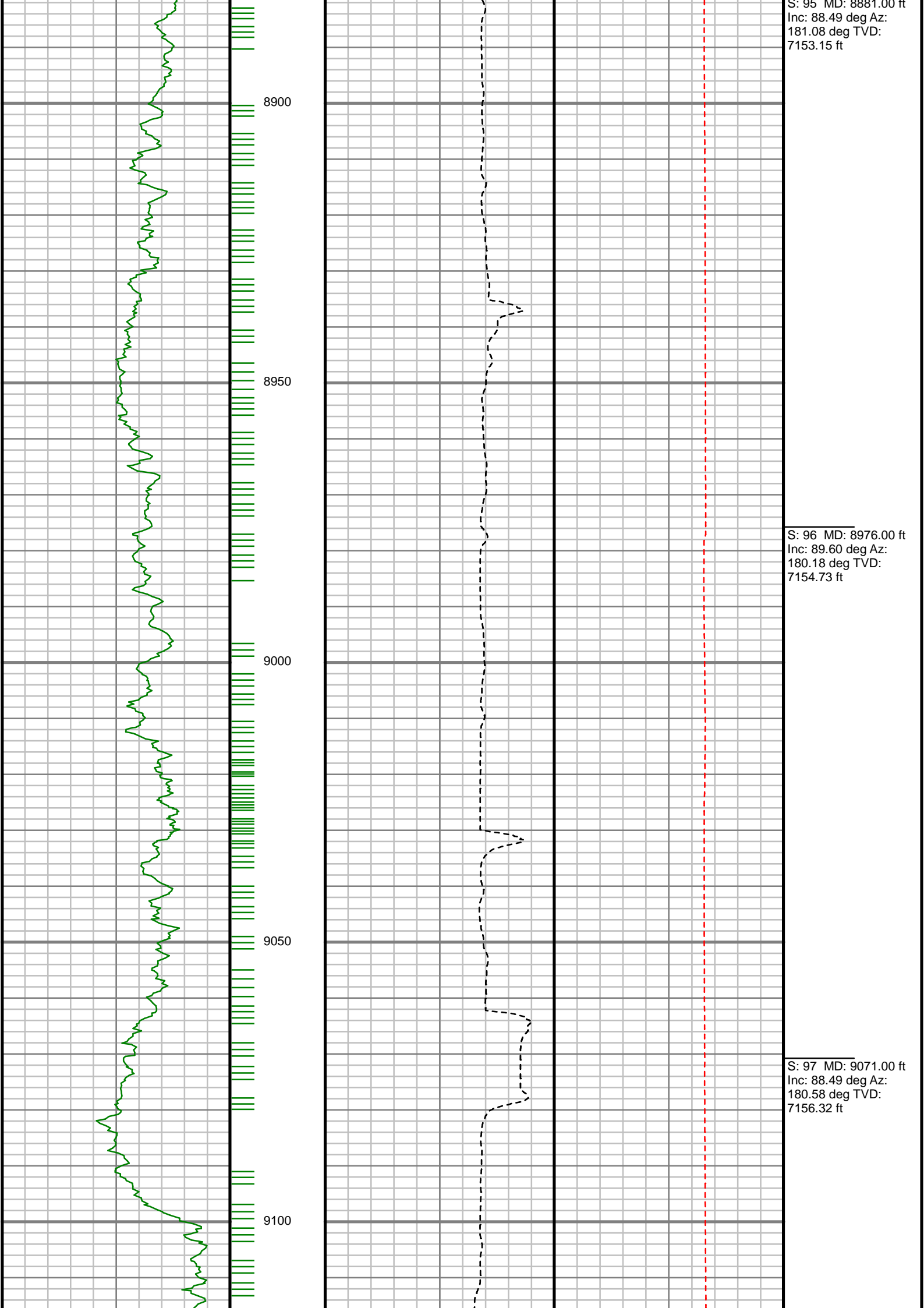


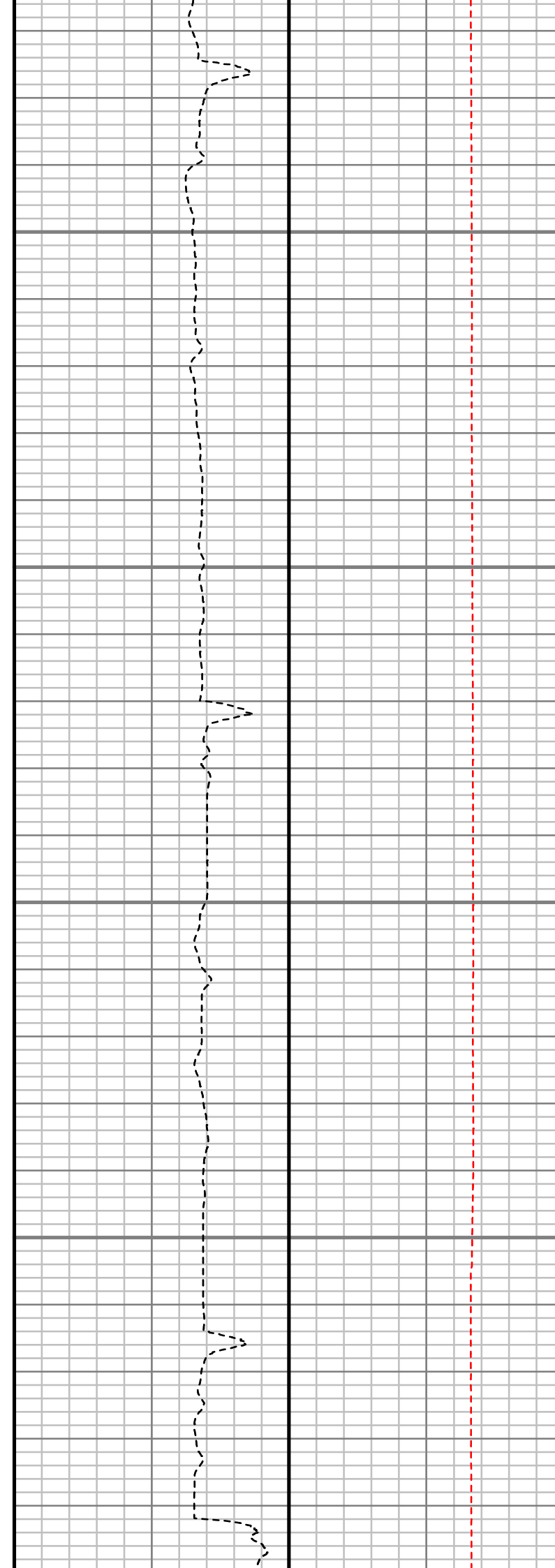
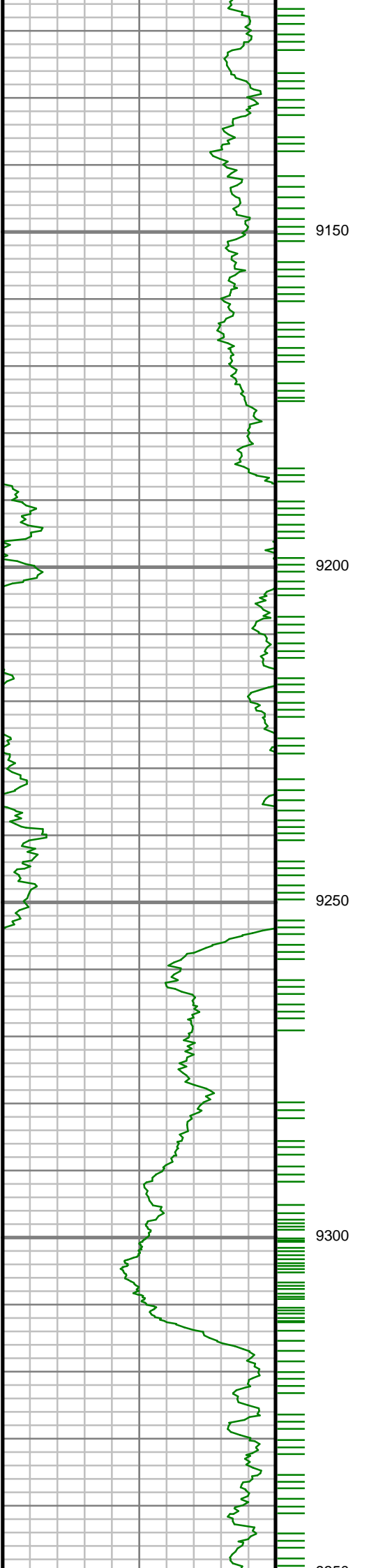


S: 93 MD: 8691.00 ft
Inc: 89.90 deg Az:
180.93 deg TVD:
7149.80 ft

S: 94 MD: 8786.00 ft
Inc: 88.79 deg Az:
180.90 deg TVD:
7150.89 ft

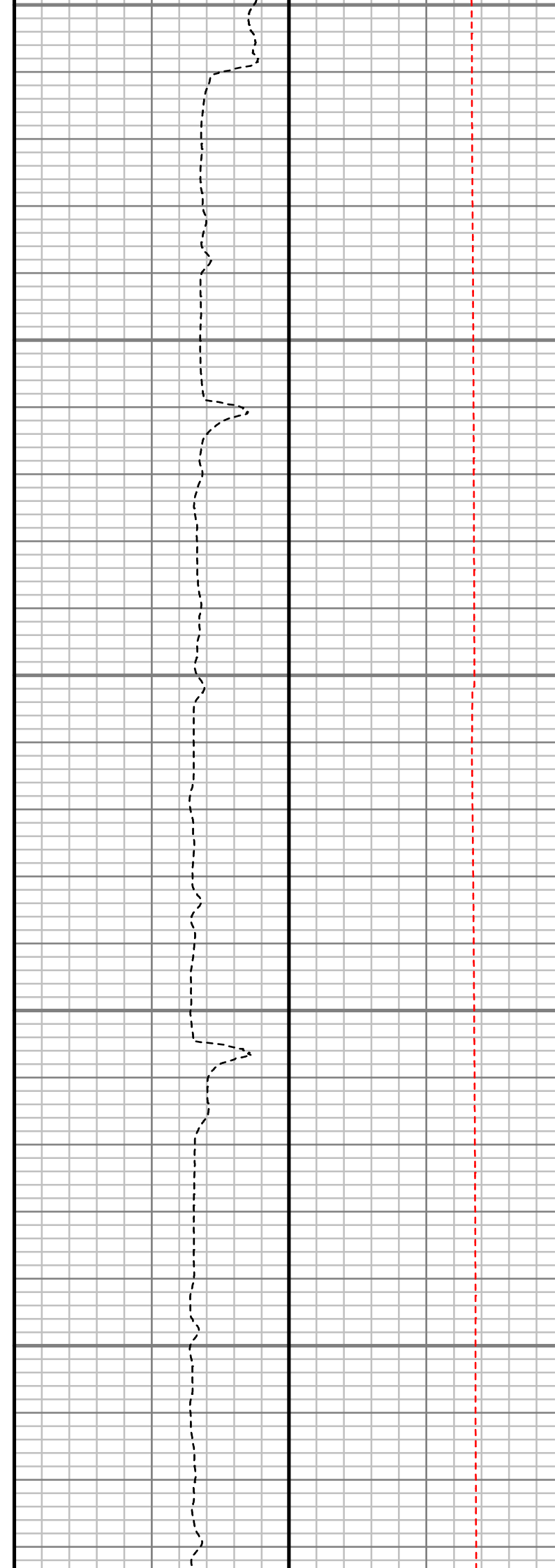
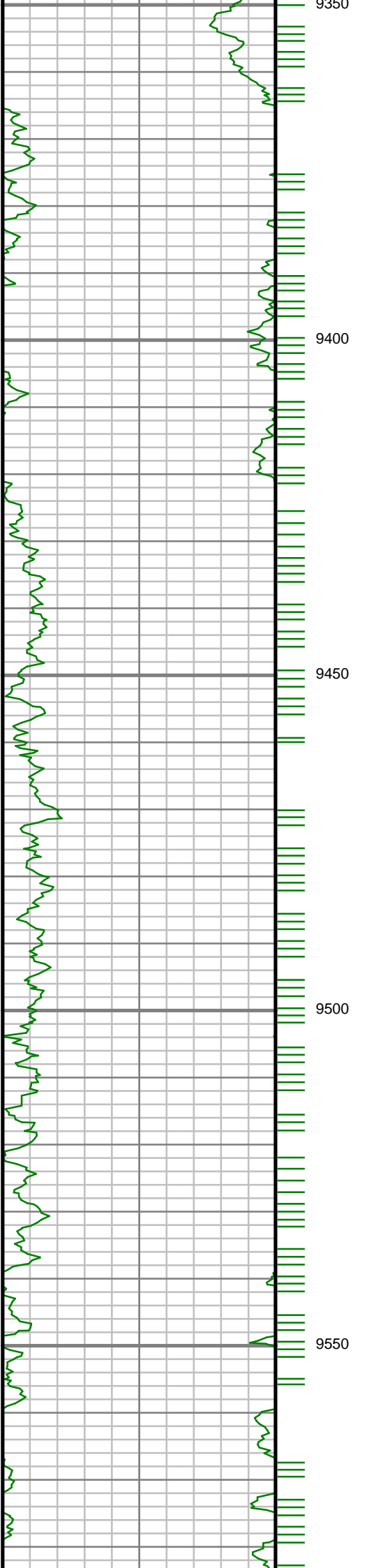
S: 95 MD: 8881.00 ft





S: 98 MD: 9167.00 ft
Inc: 87.88 deg Az:
180.98 deg TVD:
7159.36 ft

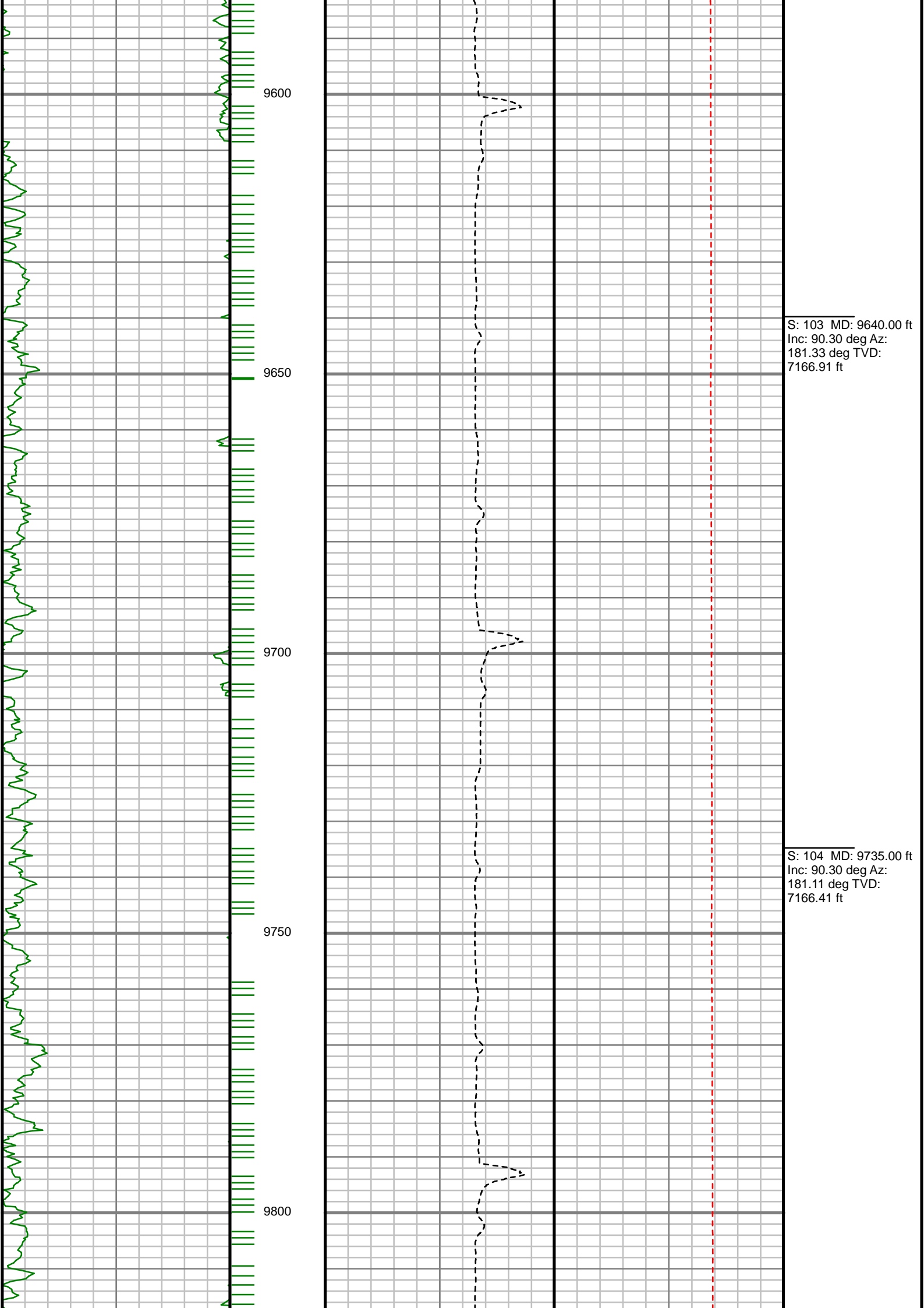
S: 99 MD: 9262.00 ft
Inc: 88.02 deg Az:
180.09 deg TVD:
7162.76 ft

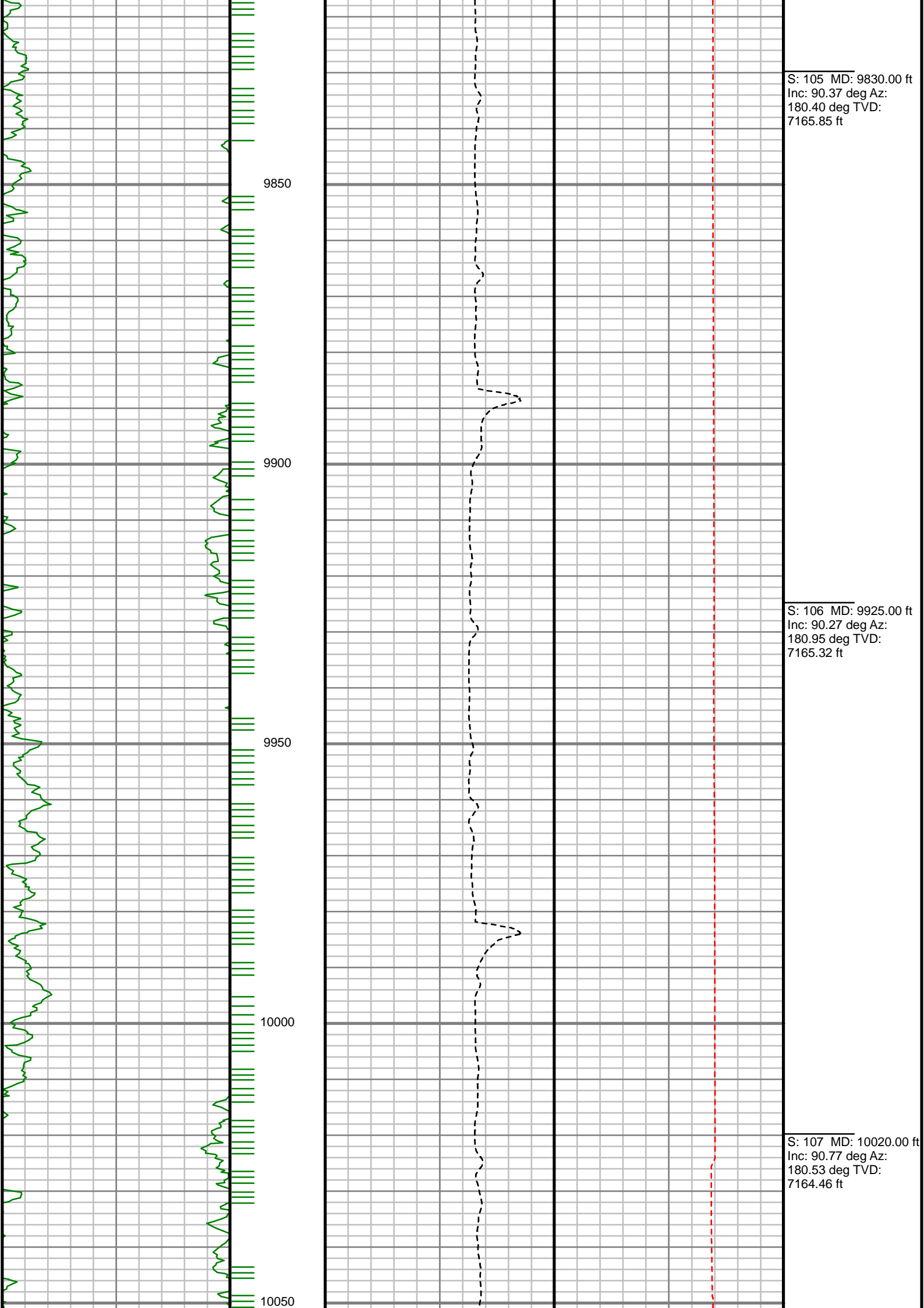


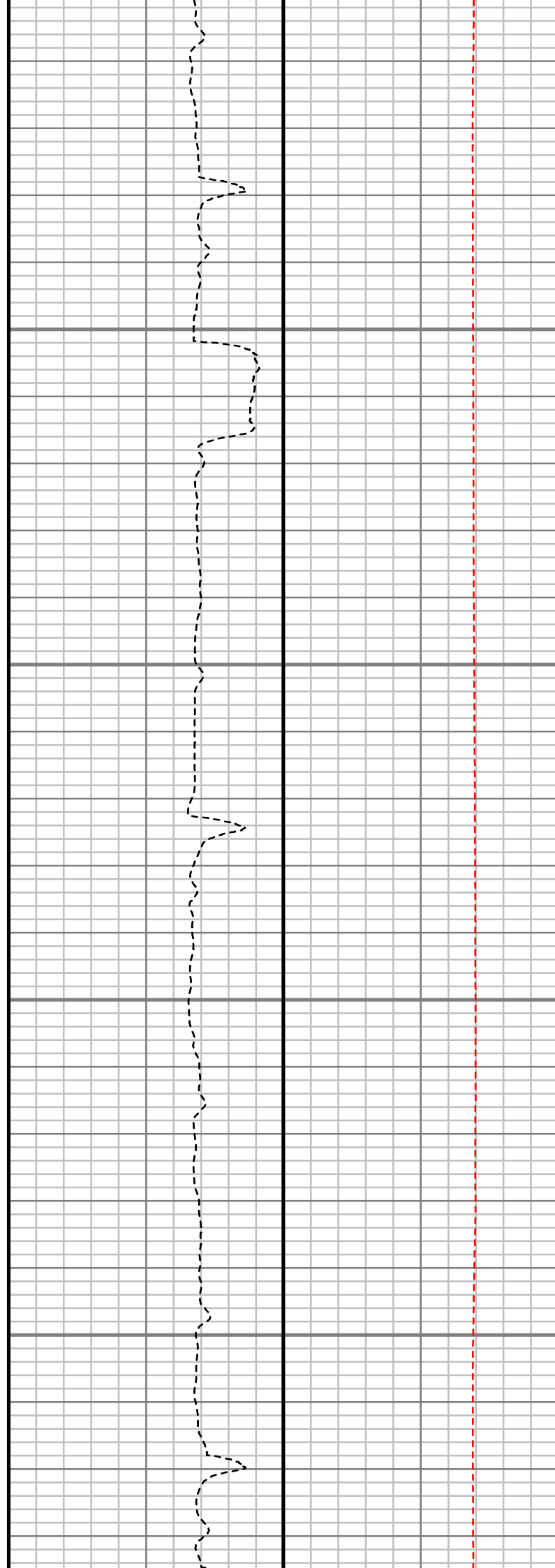
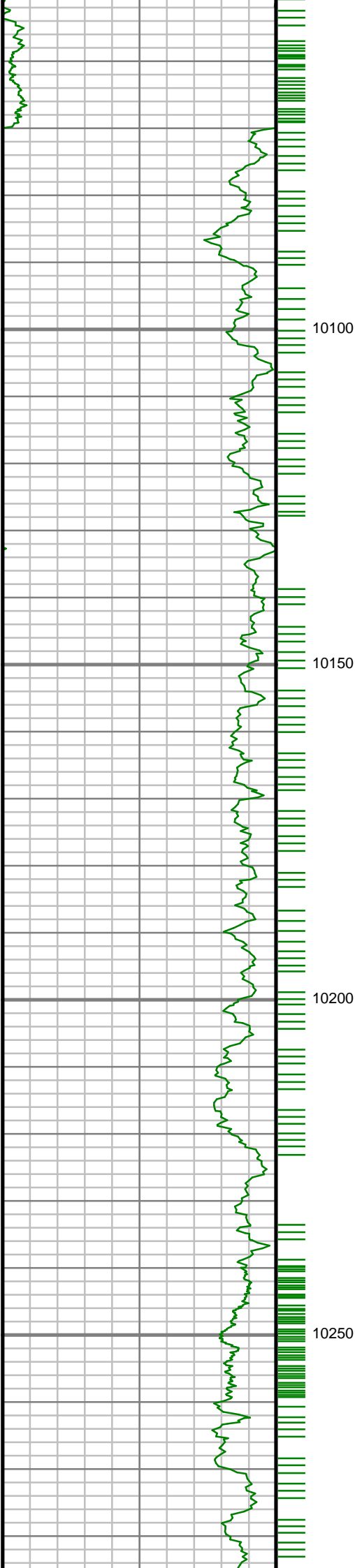
S: 100 MD: 9356.00 ft
Inc: 88.96 deg Az:
181.54 deg TVD:
7165.24 ft

S: 101 MD: 9451.00 ft
Inc: 89.33 deg Az:
180.87 deg TVD:
7166.66 ft

S: 102 MD: 9546.00 ft
Inc: 90.03 deg Az:
181.33 deg TVD:
7167.19 ft

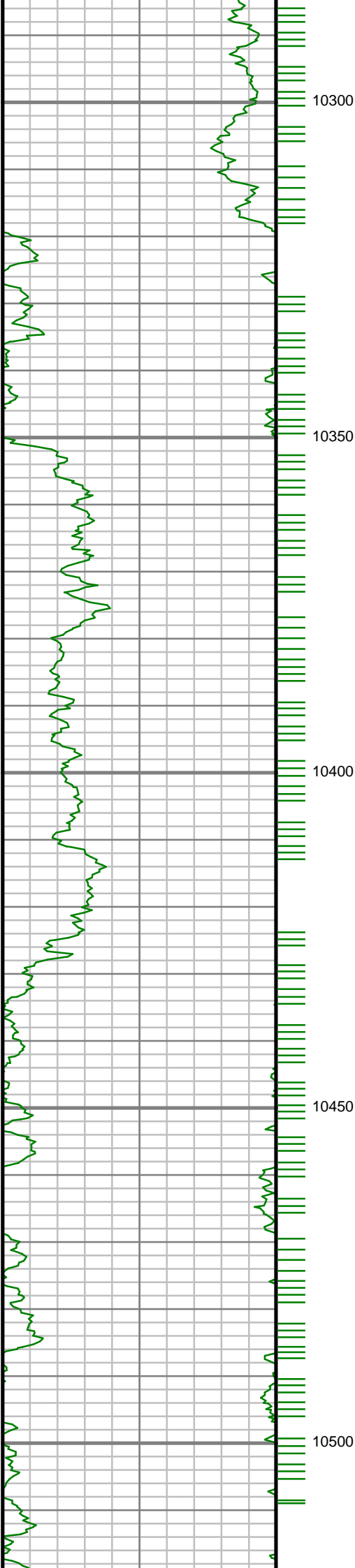






S: 108 MD: 10115.00 ft
Inc: 89.50 deg Az:
180.15 deg TVD:
7164.24 ft

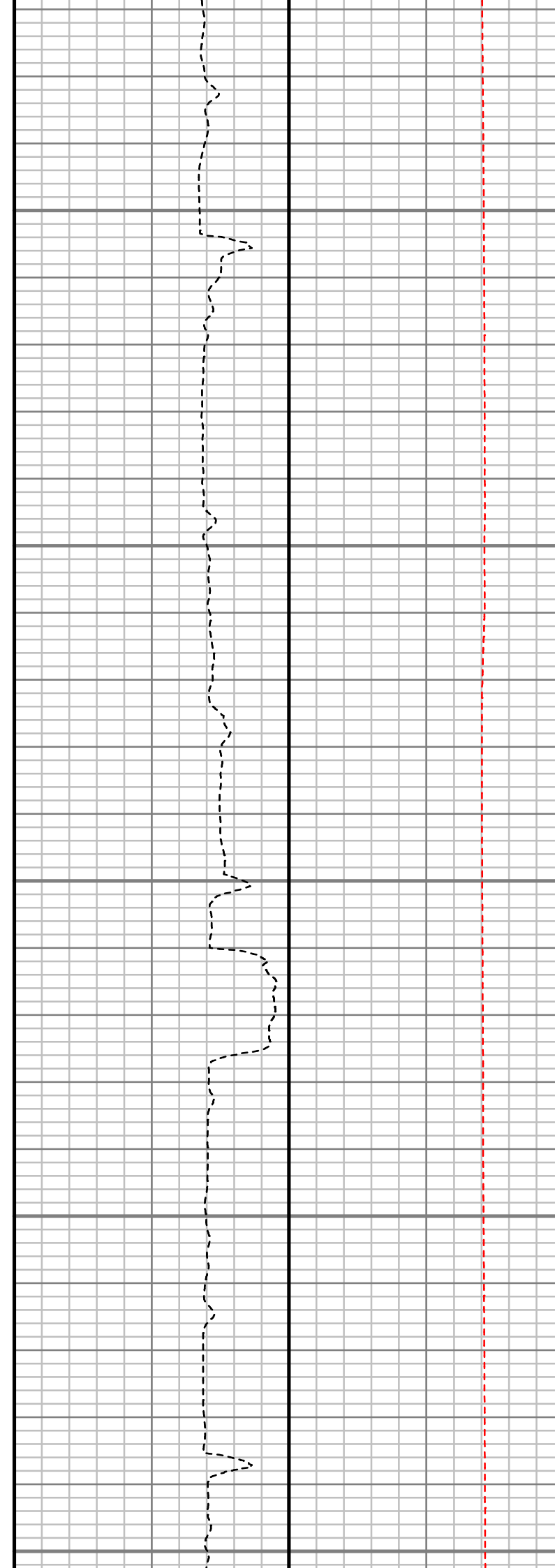
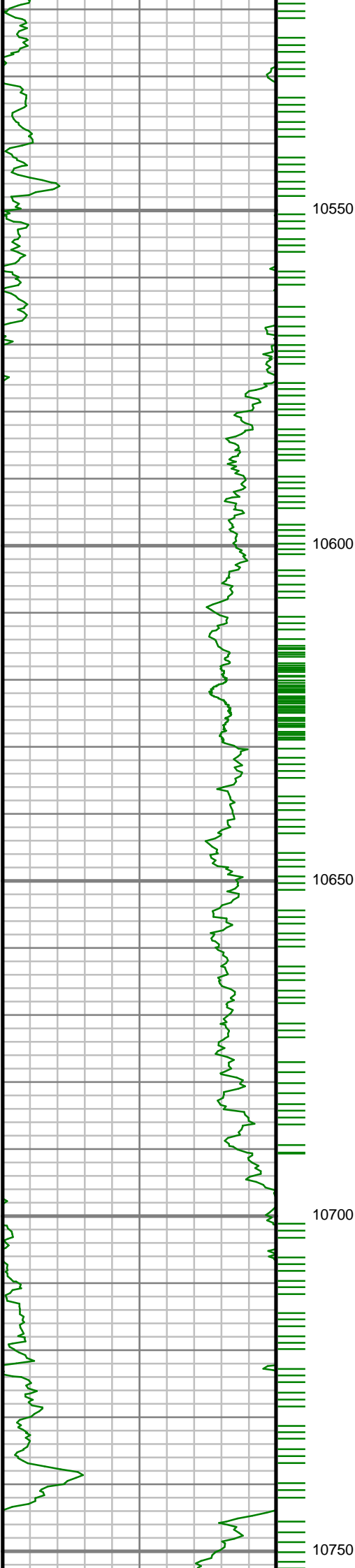
S: 109 MD: 10209.00 ft
Inc: 89.83 deg Az:
177.93 deg TVD:
7164.79 ft



S: 110 MD: 10304.00 ft
Inc: 88.46 deg Az:
180.64 deg TVD:
7166.21 ft

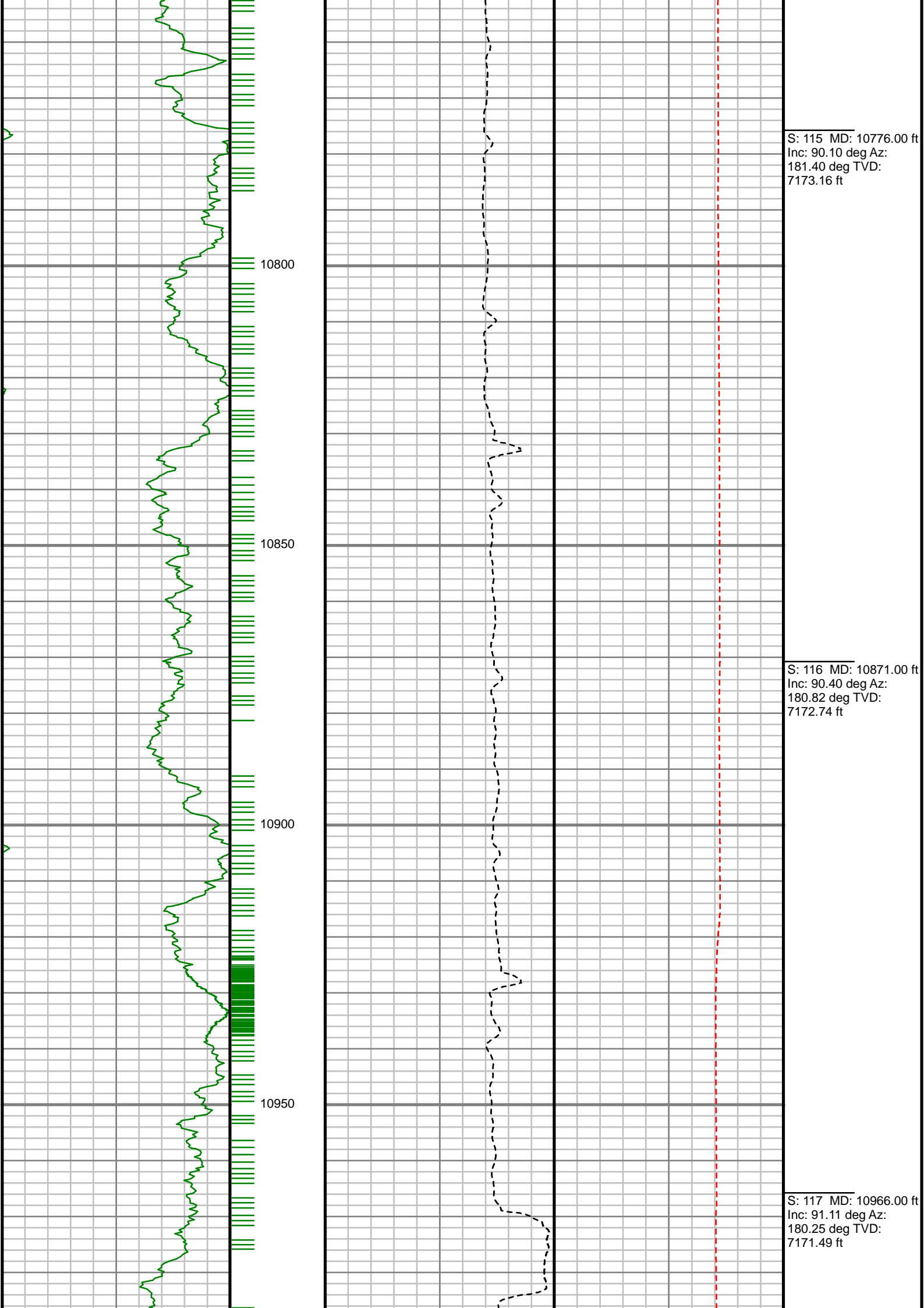
S: 111 MD: 10399.00 ft
Inc: 88.93 deg Az:
180.36 deg TVD:
7168.38 ft

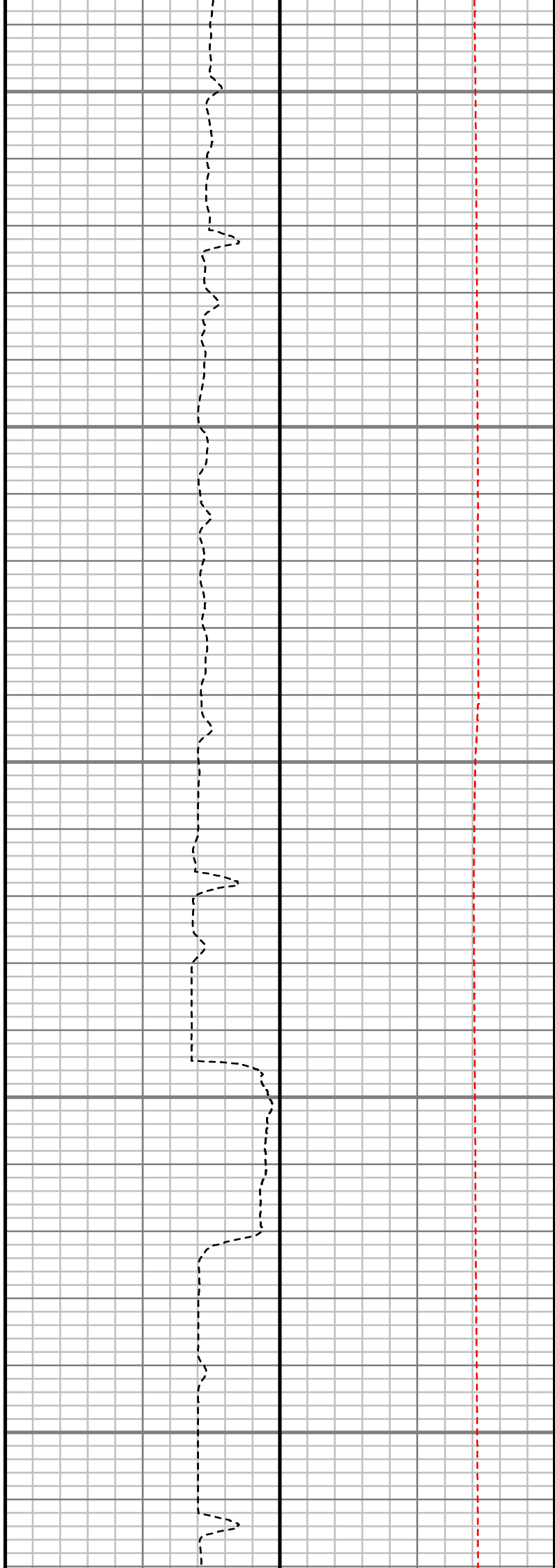
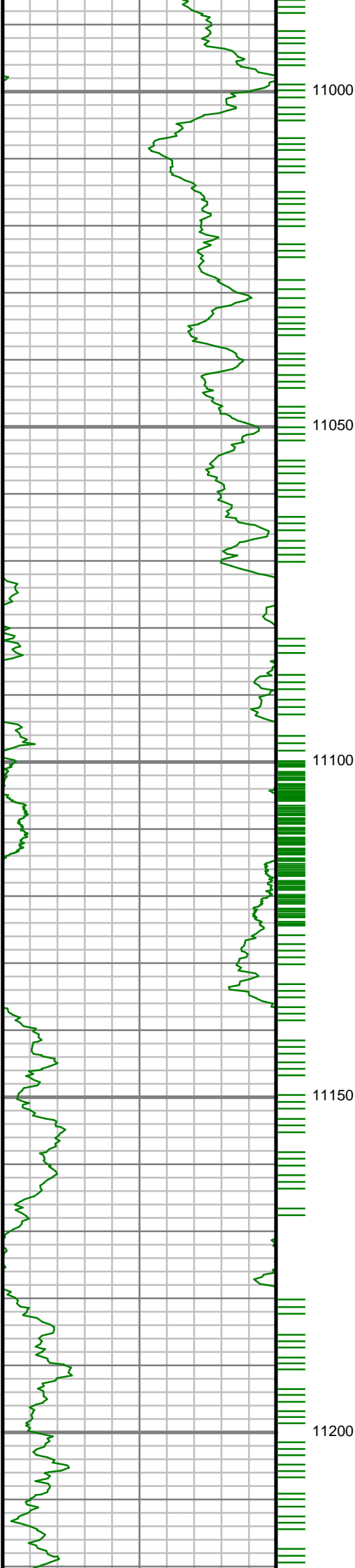
S: 112 MD: 10494.00 ft
Inc: 89.13 deg Az:
180.32 deg TVD:
7169.99 ft



S: 113 MD: 10587.00 ft
Inc: 89.46 deg Az:
179.77 deg TVD:
7171.14 ft

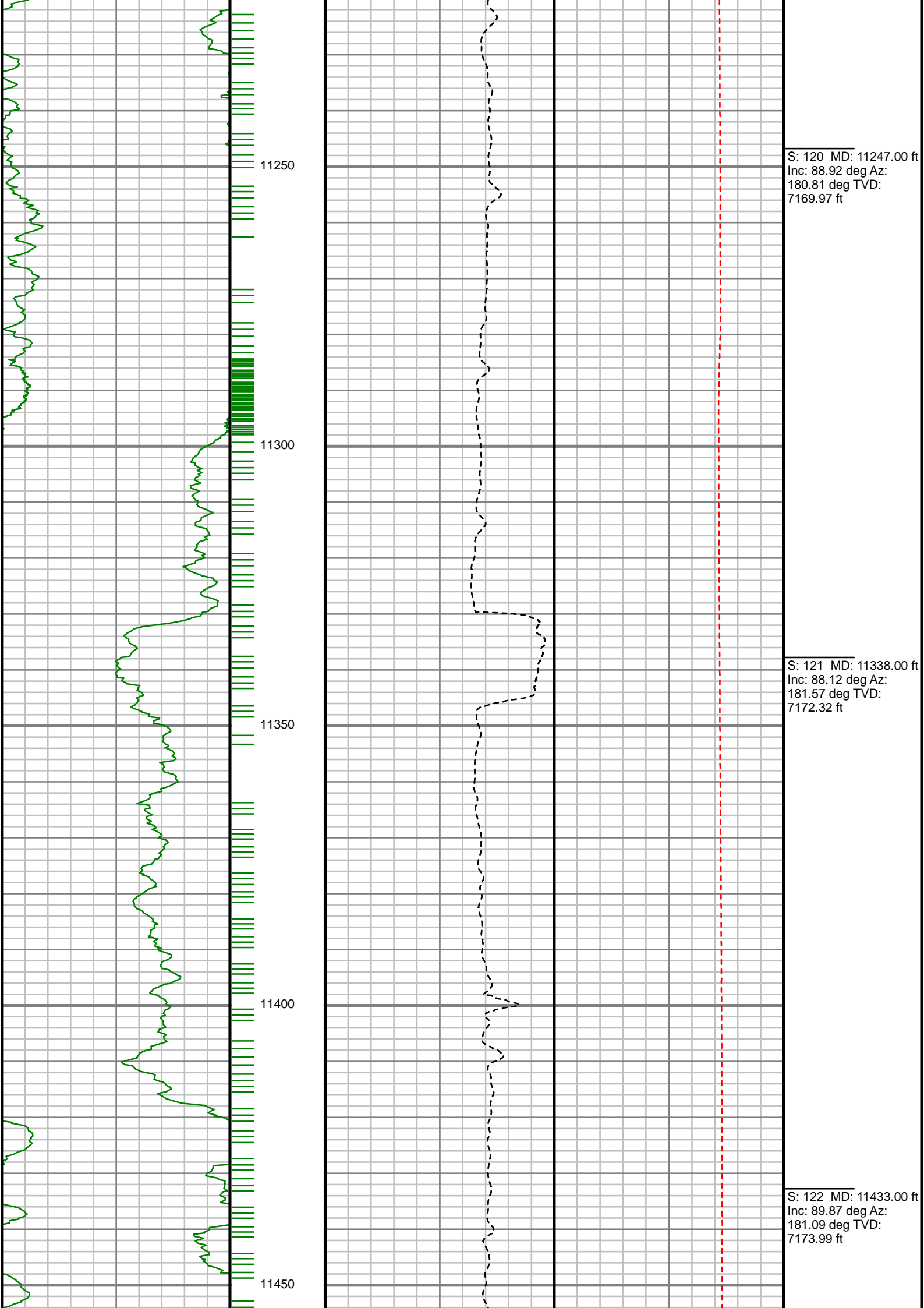
S: 114 MD: 10681.00 ft
Inc: 88.99 deg Az:
181.59 deg TVD:
7172.41 ft

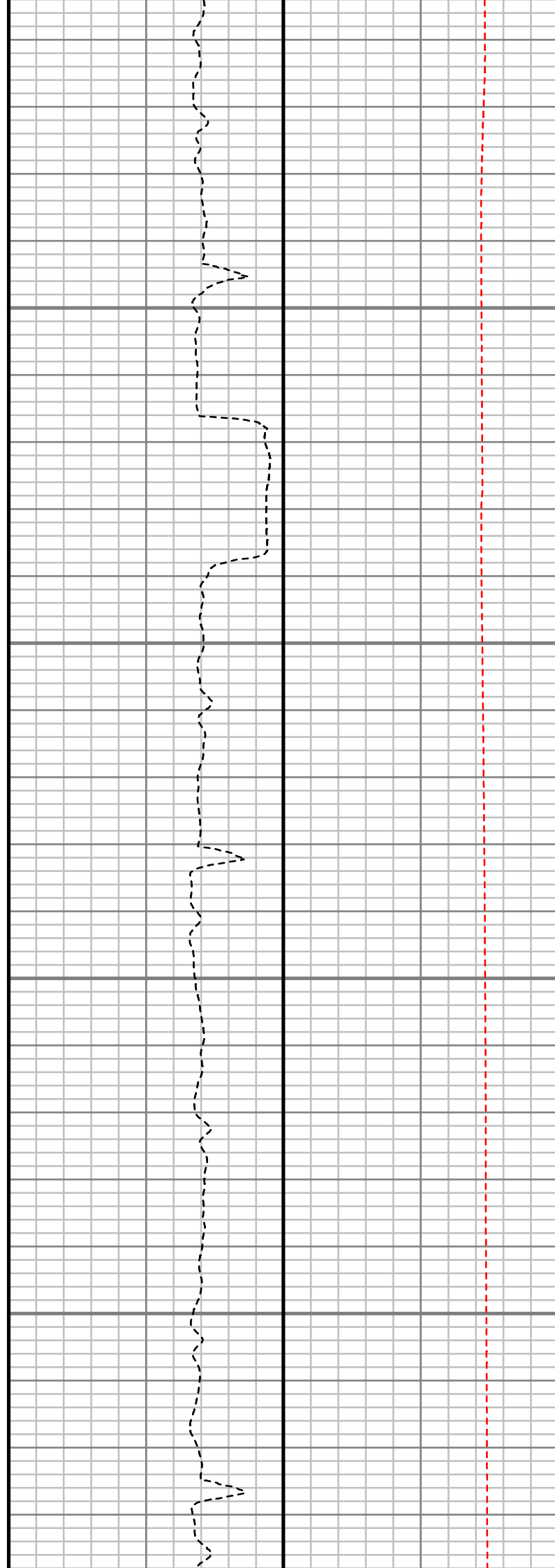
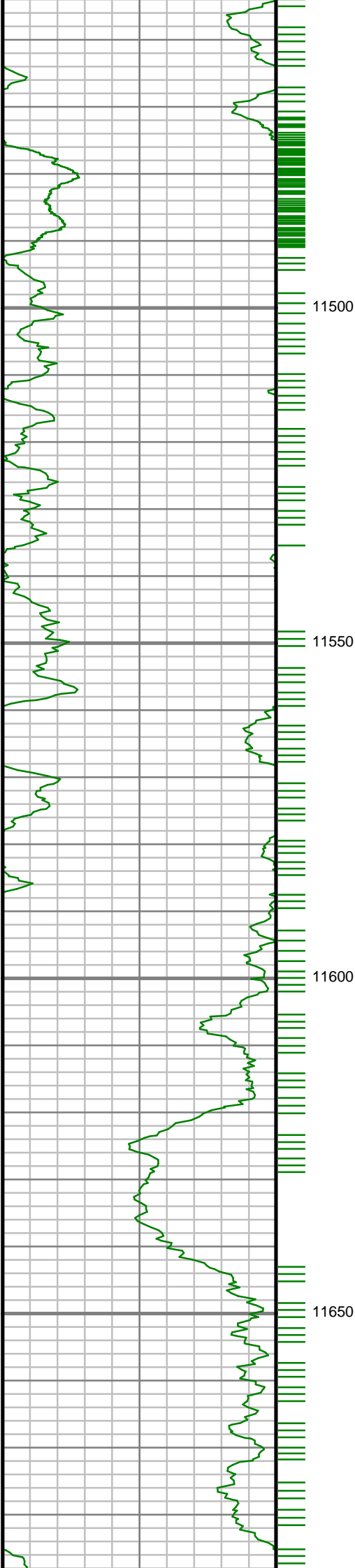




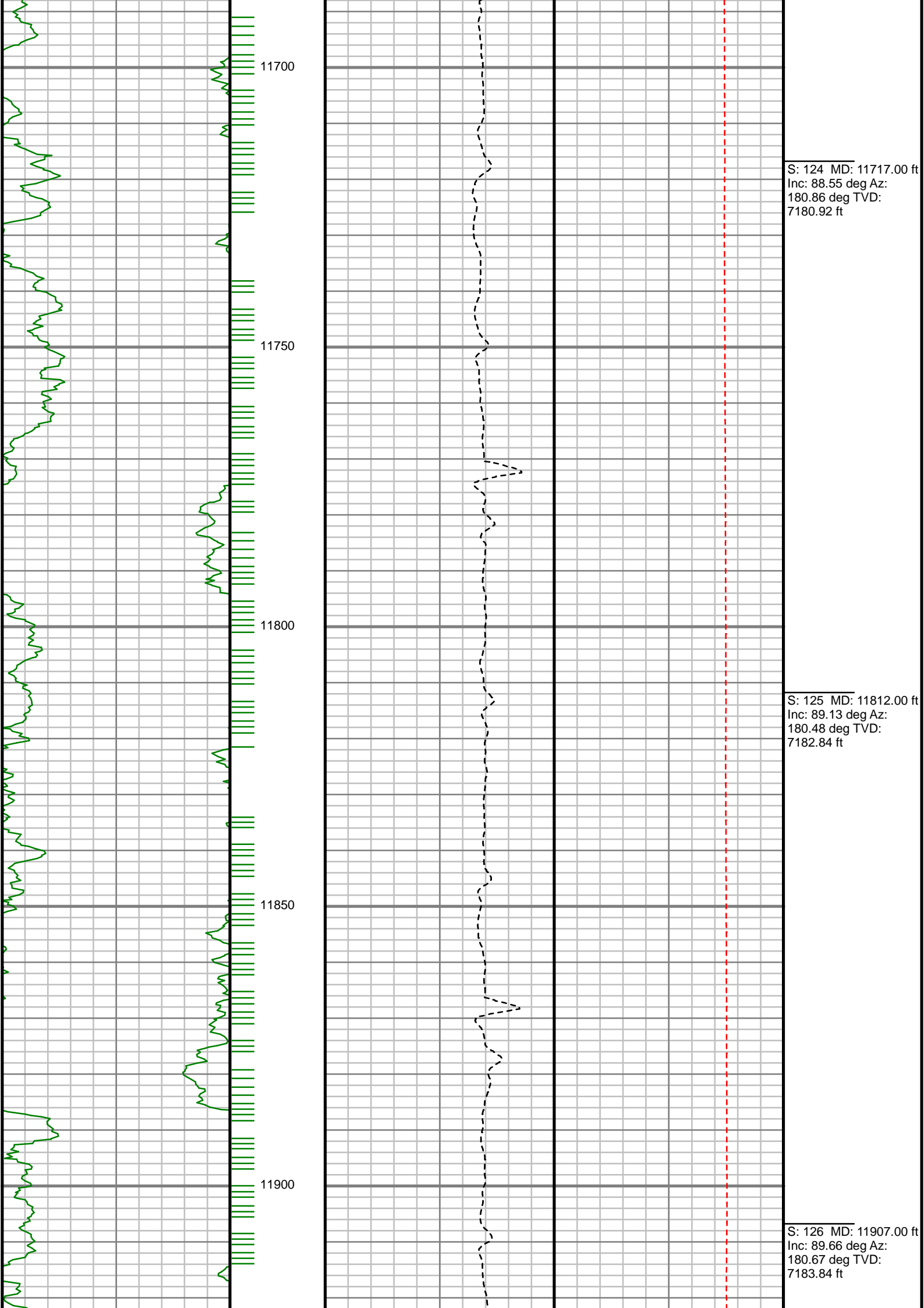
S: 118 MD: 11061.00 ft
Inc: 91.08 deg Az:
181.01 deg TVD:
7169.68 ft

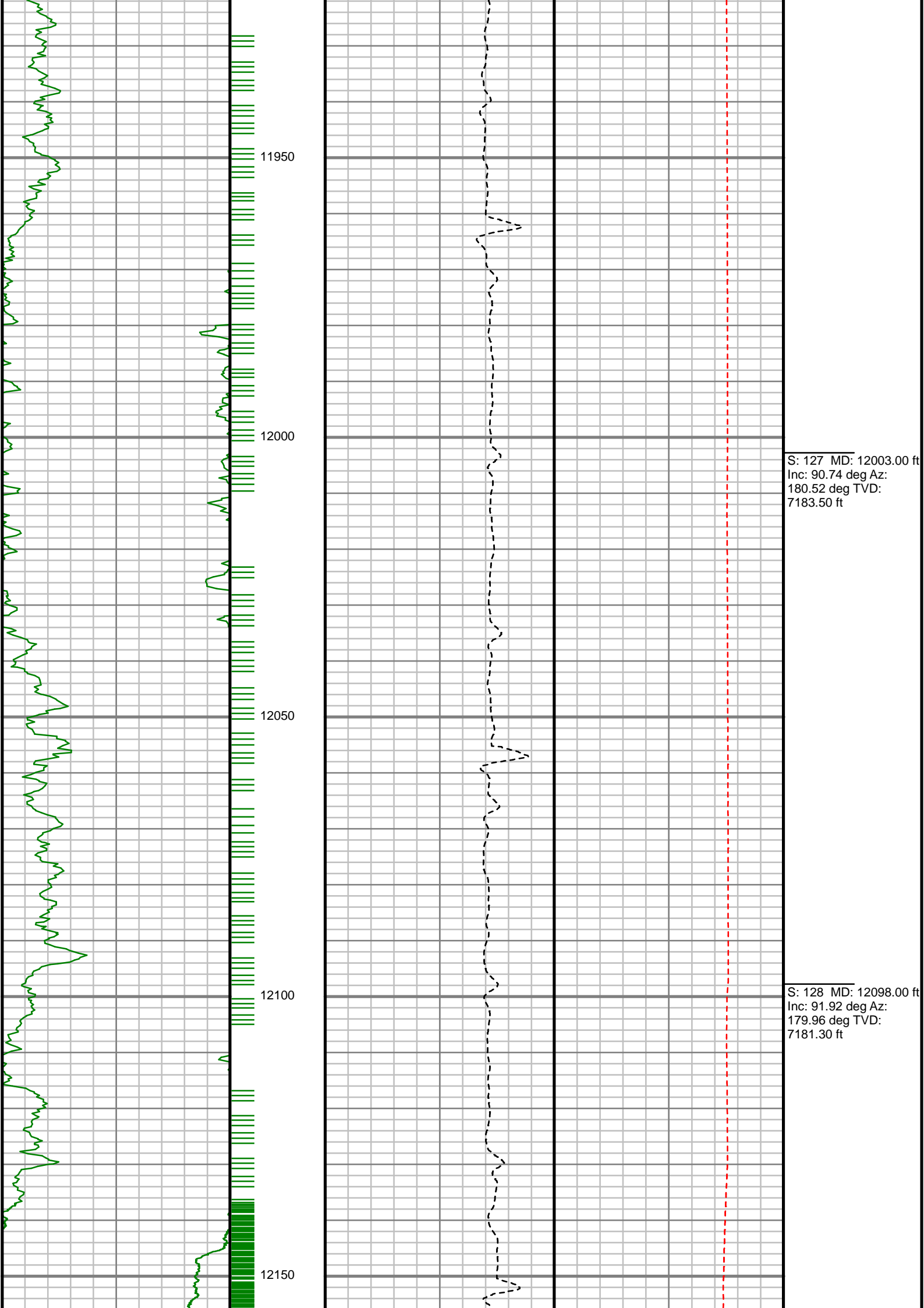
S: 119 MD: 11153.00 ft
Inc: 89.83 deg Az:
181.32 deg TVD:
7168.95 ft

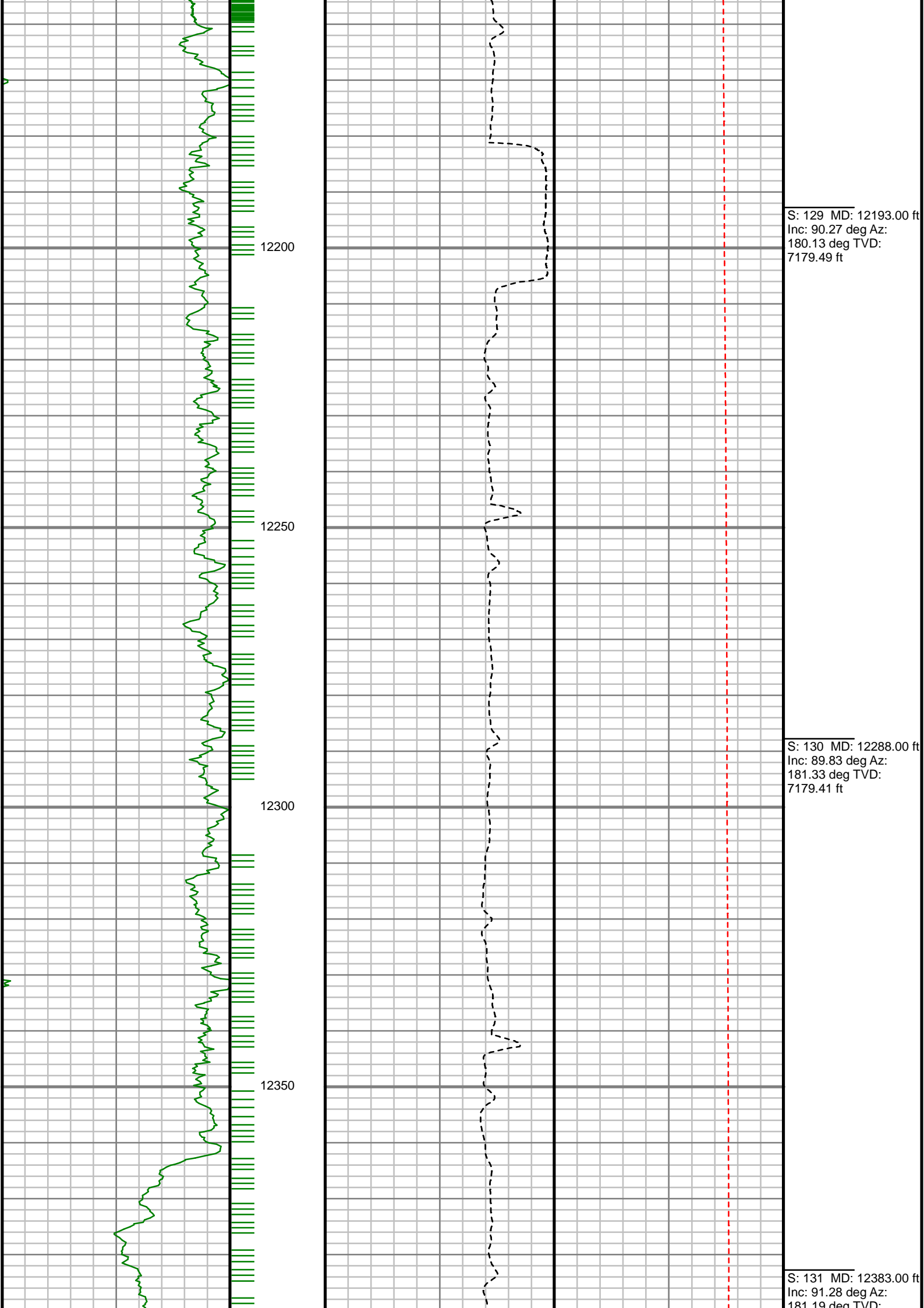


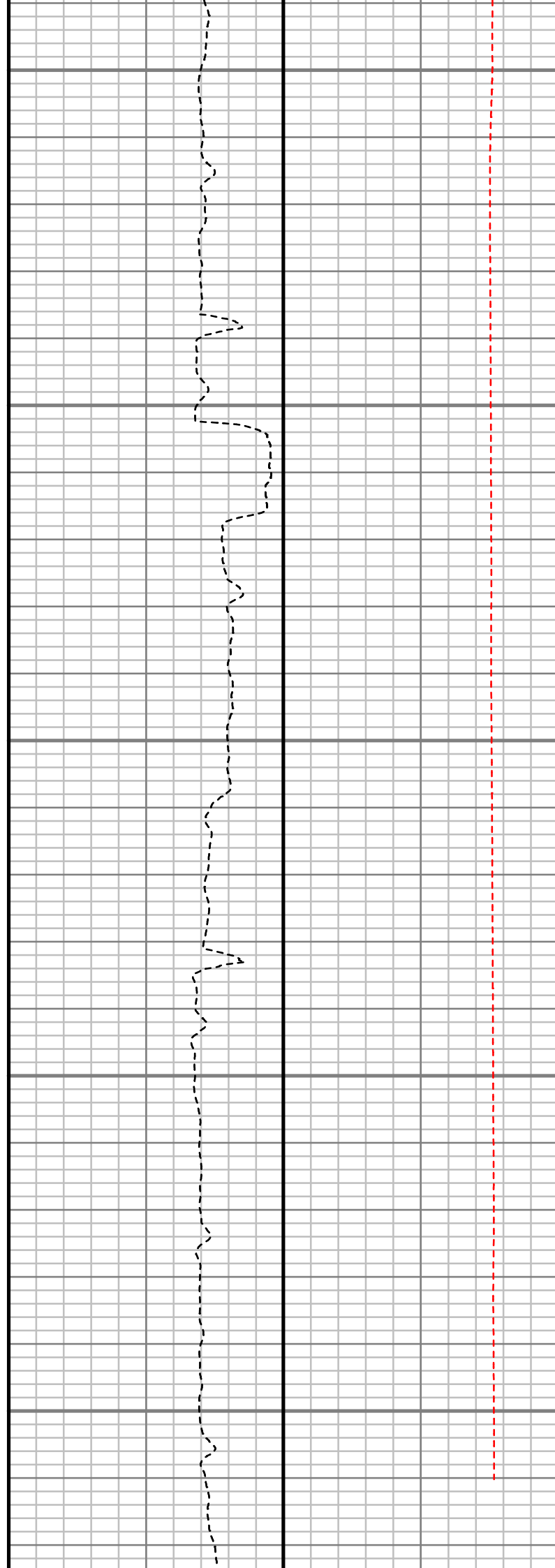
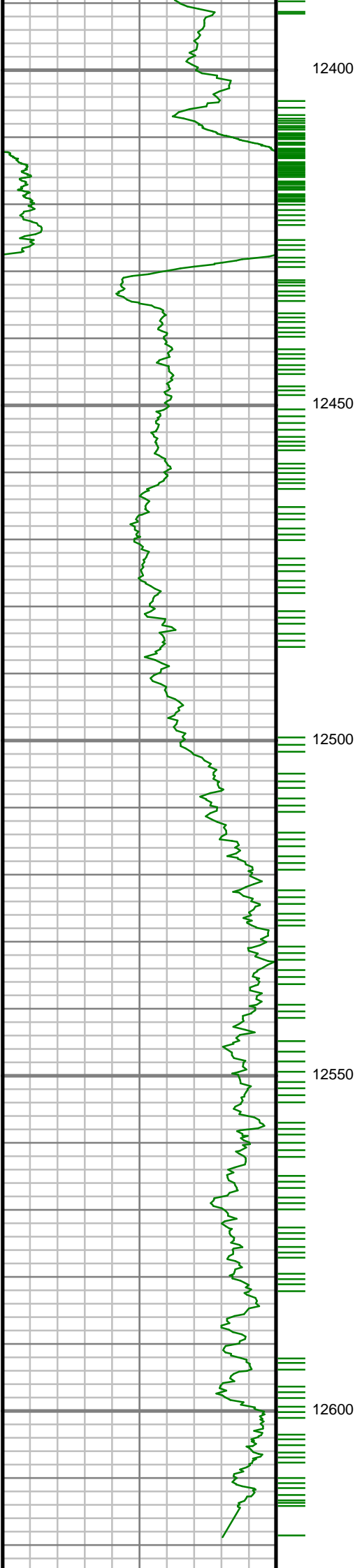


S: 123 MD: 11527.00 ft
Inc: 88.22 deg Az:
180.76 deg TVD:
7175.56 ft





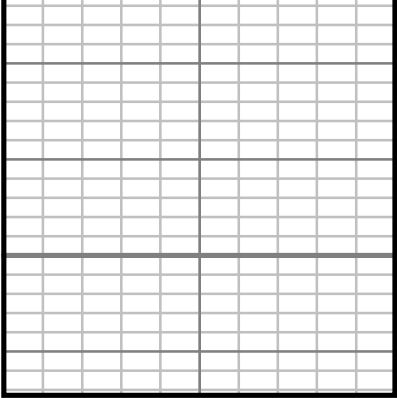




81.15 deg TVD:
7178.49 ft

S: 132 MD: 12479.00 ft
Inc: 89.80 deg Az:
181.54 deg TVD:
7177.59 ft

S: 133 MD: 12574.00 ft
Inc: 90.54 deg Az:
181.82 deg TVD:
7177.31 ft



Gamma Ray (GR)		
0	Unit = aapi	150

12650

MEASURED DEPTH
1240 (ft)



Rate of Penetration (ROP)		
1000	Unit = ft/hr	0

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

Comments

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
13.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00
97.00	0.62	326.52	97.00	-0.37	0.38	-0.25	0.74
187.00	0.99	314.69	186.99	-1.31	1.33	-1.07	0.45
277.00	1.36	305.30	276.97	-2.44	2.50	-2.50	0.46
385.00	1.89	303.41	384.93	-4.11	4.22	-5.03	0.49
475.00	2.38	301.92	474.86	-5.85	6.02	-7.85	0.55
565.00	3.95	293.81	564.72	-7.99	8.26	-12.28	1.81
656.00	5.68	287.78	655.40	-10.48	10.90	-19.43	1.98
745.00	7.36	288.83	743.82	-13.46	14.09	-29.02	1.89
835.00	8.97	289.03	832.91	-17.34	18.24	-41.11	1.79
925.00	9.74	285.60	921.71	-21.37	22.57	-55.08	1.06
1015.00	10.78	286.32	1010.27	-25.45	26.98	-70.49	1.16
1105.00	12.15	287.32	1098.47	-30.27	32.17	-87.61	1.54
1195.00	12.18	285.70	1186.45	-35.26	37.56	-105.79	0.38
1285.00	12.55	286.58	1274.36	-40.22	42.92	-124.30	0.46
1375.00	12.64	288.07	1362.20	-45.66	48.76	-143.04	0.37
1465.00	12.63	288.53	1450.02	-51.43	54.94	-161.73	0.11
1556.00	12.61	288.40	1538.82	-57.32	61.24	-180.59	0.04
1646.00	13.11	286.73	1626.56	-62.94	67.28	-199.68	0.69

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1736.00	12.62	289.81	1714.30	-68.80	73.55	-218.71	0.94
1801.00	12.64	288.87	1777.73	-73.22	78.26	-232.12	0.32
1953.00	14.47	290.86	1925.49	-84.63	90.40	-265.61	1.24
2048.00	13.62	289.30	2017.65	-92.09	98.32	-287.26	0.98
2142.00	12.74	287.03	2109.17	-98.34	105.02	-307.62	1.09
2236.00	13.38	285.84	2200.74	-103.90	111.03	-328.00	0.74
2331.00	13.03	280.07	2293.23	-108.32	115.90	-349.12	1.43
2426.00	12.91	284.97	2385.81	-112.48	120.51	-369.91	1.16
2521.00	12.43	289.50	2478.50	-118.20	126.66	-389.80	1.16
2616.00	12.67	294.06	2571.23	-125.44	134.32	-408.95	1.07
2712.00	13.83	294.13	2664.68	-133.99	143.31	-429.03	1.21
2806.00	14.15	290.82	2755.89	-142.21	151.98	-450.02	0.92
2902.00	13.86	290.06	2849.04	-149.85	160.10	-471.79	0.36
2996.00	13.31	288.20	2940.41	-156.64	167.34	-492.64	0.75
3092.00	13.32	291.48	3033.83	-163.69	174.84	-513.42	0.78
3187.00	13.53	292.71	3126.24	-171.54	183.13	-533.85	0.37
3282.00	12.50	289.65	3218.80	-178.85	190.88	-553.78	1.30
3377.00	12.51	292.97	3311.54	-185.91	198.35	-572.94	0.76
3472.00	12.16	292.57	3404.35	-193.36	206.21	-591.65	0.38
3567.00	11.95	293.65	3497.26	-200.74	213.99	-609.90	0.32

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3662.00	11.85	293.55	3590.21	-208.20	221.84	-627.85	0.11
3757.00	12.89	291.80	3683.01	-215.62	229.67	-646.63	1.16
3853.00	12.09	287.80	3776.74	-222.25	236.72	-666.15	1.23
3947.00	12.83	290.70	3868.52	-228.53	243.42	-685.28	1.03
4043.00	13.09	290.51	3962.08	-235.67	250.99	-705.43	0.28
4138.00	12.19	289.48	4054.77	-242.36	258.11	-724.97	0.98
4233.00	13.89	292.87	4147.32	-249.70	265.89	-744.93	1.96
4328.00	13.33	289.13	4239.65	-257.27	273.91	-765.79	1.10
4423.00	12.00	289.59	4332.34	-263.75	280.81	-785.45	1.41
4518.00	12.24	290.21	4425.22	-270.13	287.60	-804.21	0.29
4614.00	11.05	295.34	4519.24	-277.20	295.06	-822.08	1.65
4708.00	11.60	299.93	4611.42	-285.41	303.63	-838.41	1.13
4803.00	11.49	300.06	4704.49	-294.56	313.14	-854.88	0.12
4899.00	10.12	302.29	4798.79	-303.52	322.43	-870.29	1.50
4992.00	7.85	302.22	4890.64	-311.01	330.19	-882.57	2.44
5088.00	6.87	306.79	4985.85	-317.72	337.12	-892.72	1.19
5182.00	5.91	311.36	5079.27	-324.11	343.68	-900.85	1.16
5277.00	5.45	309.14	5173.80	-330.03	349.76	-908.01	0.54
5371.00	2.76	282.49	5267.56	-333.21	353.06	-913.69	3.43
5467.00	2.00	271.00	5363.47	-333.65	353.60	-917.62	0.93

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5561.00	1.56	281.51	5457.43	-333.88	353.88	-920.52	0.58
5656.00	1.25	264.13	5552.40	-333.98	354.03	-922.82	0.55
5751.00	0.64	301.41	5647.39	-334.12	354.20	-924.31	0.88
5846.00	0.35	254.72	5742.38	-334.30	354.40	-925.04	0.50
5941.00	0.55	296.59	5837.38	-334.41	354.53	-925.73	0.39
6035.00	0.58	284.54	5931.38	-334.72	354.85	-926.59	0.13
6131.00	0.23	215.72	6027.38	-334.67	354.82	-927.17	0.56
6225.00	0.15	271.30	6121.38	-334.52	354.67	-927.40	0.20
6320.00	0.64	226.74	6216.37	-334.15	354.31	-927.91	0.58
6415.00	0.23	169.70	6311.37	-333.58	353.75	-928.27	0.58
6510.00	2.19	175.72	6406.34	-331.58	351.75	-928.10	2.06
6604.00	8.67	186.64	6499.87	-322.73	342.91	-928.78	6.94
6699.00	17.39	174.43	6592.36	-301.47	321.63	-928.23	9.58
6795.00	21.19	173.46	6682.95	-270.03	290.11	-924.86	3.98
6890.00	27.13	175.72	6769.59	-231.42	251.41	-921.29	6.33
6984.00	36.86	181.02	6849.23	-181.76	201.72	-920.19	10.76
7079.00	44.66	182.89	6921.14	-119.80	139.79	-922.39	8.31
7174.00	52.55	184.40	6983.91	-48.66	68.73	-926.97	8.38
7269.00	62.20	183.32	7035.07	31.18	-11.00	-932.31	10.21
7363.00	69.19	181.26	7073.74	116.77	-96.55	-935.69	7.70

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7457.00	74.87	182.08	7102.73	206.15	-185.88	-938.30	6.10
7552.00	82.62	182.65	7121.25	299.23	-278.91	-942.14	8.18
7647.00	86.40	182.52	7130.34	393.75	-373.36	-946.40	3.98
7742.00	86.97	181.33	7135.83	488.58	-468.14	-949.59	1.39
7837.00	87.18	180.51	7140.68	583.46	-563.01	-951.12	0.89
7932.00	89.16	183.47	7143.72	678.38	-657.88	-954.42	3.76
8026.00	91.01	183.38	7143.58	772.31	-751.71	-960.03	1.97
8121.00	90.34	184.61	7142.46	867.19	-846.47	-966.65	1.47
8216.00	90.10	184.72	7142.10	962.02	-941.16	-974.37	0.28
8312.00	87.81	183.83	7143.85	1057.87	-1036.87	-981.53	2.55
8407.00	88.42	183.23	7146.97	1152.74	-1131.63	-987.38	0.90
8502.00	89.46	183.02	7148.72	1247.67	-1226.48	-992.56	1.11
8597.00	89.66	182.41	7149.44	1342.63	-1321.37	-997.06	0.68
8691.00	89.90	180.93	7149.80	1436.63	-1415.32	-999.80	1.59
8786.00	88.79	180.90	7150.89	1531.62	-1510.30	-1001.32	1.17
8881.00	88.49	181.08	7153.15	1626.59	-1605.26	-1002.96	0.37
8976.00	89.60	180.18	7154.73	1721.57	-1700.24	-1004.00	1.50
9071.00	88.49	180.58	7156.32	1816.54	-1795.22	-1004.63	1.24
9167.00	87.88	180.98	7159.36	1912.49	-1891.17	-1005.93	0.76
9262.00	88.02	180.09	7162.76	2007.42	-1986.10	-1006.82	0.95

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9356.00	88.96	181.54	7165.24	2101.38	-2080.05	-1008.15	1.84
9451.00	89.33	180.87	7166.66	2196.37	-2175.02	-1010.15	0.81
9546.00	90.03	181.33	7167.19	2291.37	-2270.00	-1011.97	0.89
9640.00	90.30	181.33	7166.91	2385.37	-2363.98	-1014.15	0.29
9735.00	90.30	181.11	7166.41	2480.37	-2458.95	-1016.18	0.24
9830.00	90.37	180.40	7165.85	2575.36	-2553.94	-1017.42	0.75
9925.00	90.27	180.95	7165.32	2670.36	-2648.93	-1018.54	0.60
10020.00	90.77	180.53	7164.46	2765.35	-2743.92	-1019.77	0.70
10115.00	89.50	180.15	7164.24	2860.33	-2838.92	-1020.32	1.40
10209.00	89.83	177.93	7164.79	2954.26	-2932.90	-1018.75	2.38
10304.00	88.46	180.64	7166.21	3049.18	-3027.87	-1017.56	3.20
10399.00	88.93	180.36	7168.38	3144.15	-3122.84	-1018.39	0.58
10494.00	89.13	180.32	7169.99	3239.12	-3217.82	-1018.96	0.22
10587.00	89.46	179.77	7171.14	3332.09	-3310.82	-1019.03	0.69
10681.00	88.99	181.59	7172.41	3426.08	-3404.80	-1020.15	1.99
10776.00	90.10	181.40	7173.16	3521.07	-3499.76	-1022.63	1.18
10871.00	90.40	180.82	7172.74	3616.07	-3594.74	-1024.47	0.69
10966.00	91.11	180.25	7171.49	3711.05	-3689.73	-1025.36	0.96
11061.00	91.08	181.01	7169.68	3806.03	-3784.70	-1026.40	0.80
11153.00	89.83	181.32	7168.95	3898.02	-3876.68	-1028.27	1.39

5" = 100' FEET MD