



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC  
WELL : BUFFALO 13N-15HZ  
FIELD : WATTENBERG  
COUNTY : WELD  
STATE : COLORADO  
COUNTRY : U.S.A.  
UWI : 05-123-36461

COMPANY : ANADARKO E&P ONSHORE LLC

WELL : BUFFALO 13N-15HZ

FIELD : WATTENBERG

COUNTY : WELD

STATE : COLORADO

COUNTRY : U.S.A.

UWI : 05-123-36461

WELL LOCATION

LAT:40°3'26.420"N LONG:104°59'44.920"W  
N:1264135.18 ft E:3141130.84 ft

SEC:15

TWP:1N

RANGE: 68W

OTHER SERVICES

DIRECTIONAL  
ROP

DEPTH REF. : RKB

REF. HEIGHT : 20.000 ft

RKB to Ground Level

GROUND LEVEL : 5138.000 ft

G.L. to MEAN SEA LEVEL

## BOREHOLE RECORD

## DEVIATION RECORD

HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft
8.75	0	8161	0 - 12	0	1840
6.125	8161	12295	12 - 0	1840	4264
			0 - 79	4264	8108
			79 - 92	8108	12295

## CASING RECORD

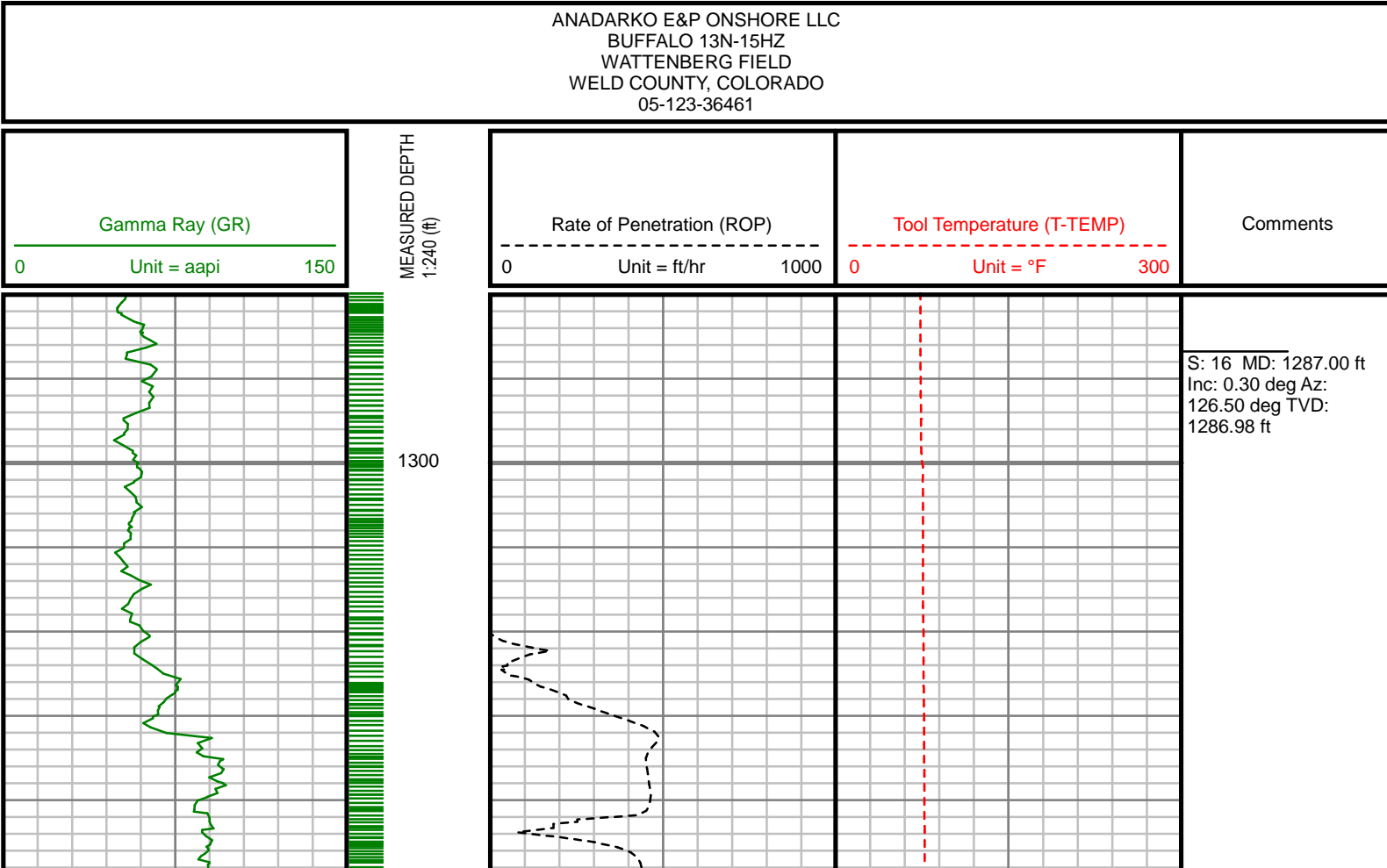
CASING SIZE in	FROM ft	TO ft			
9.625	0	1303			
7	0	8148	DRILLING CO. : PRECISION		
			RIG : 461		
			LWD UNIT NO. : 00282 CASPEDISTRICTH:CASPER		
			SPUD DATE : 05/07/2015		
			LWD START DATE : 05/07/2015	DEPTH : 1280 ft	
			LWD END DATE : 05/12/2015	DEPTH : 12295 ft	
				TOTAL DEPTH : 12295 ft	

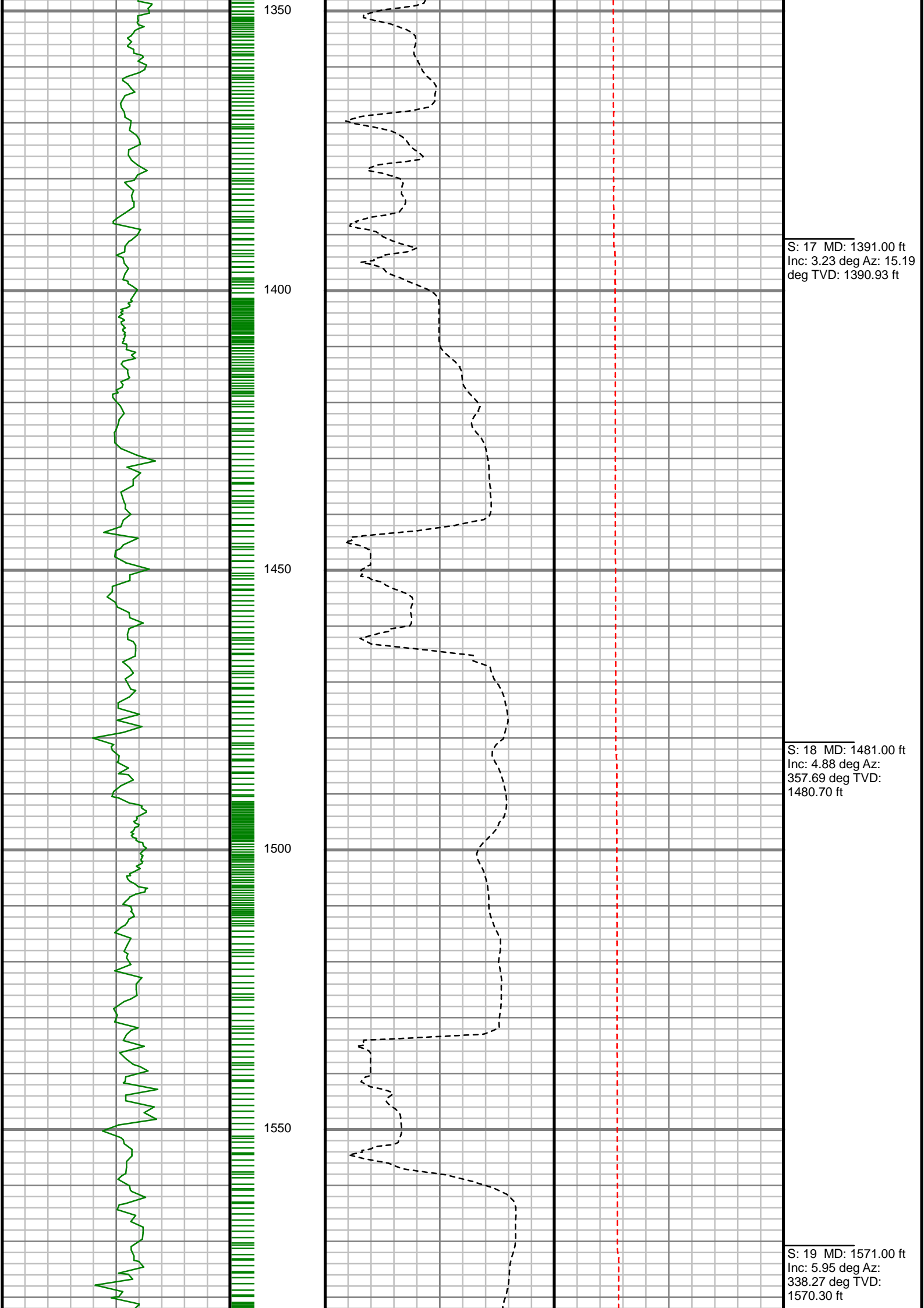
## Run Data

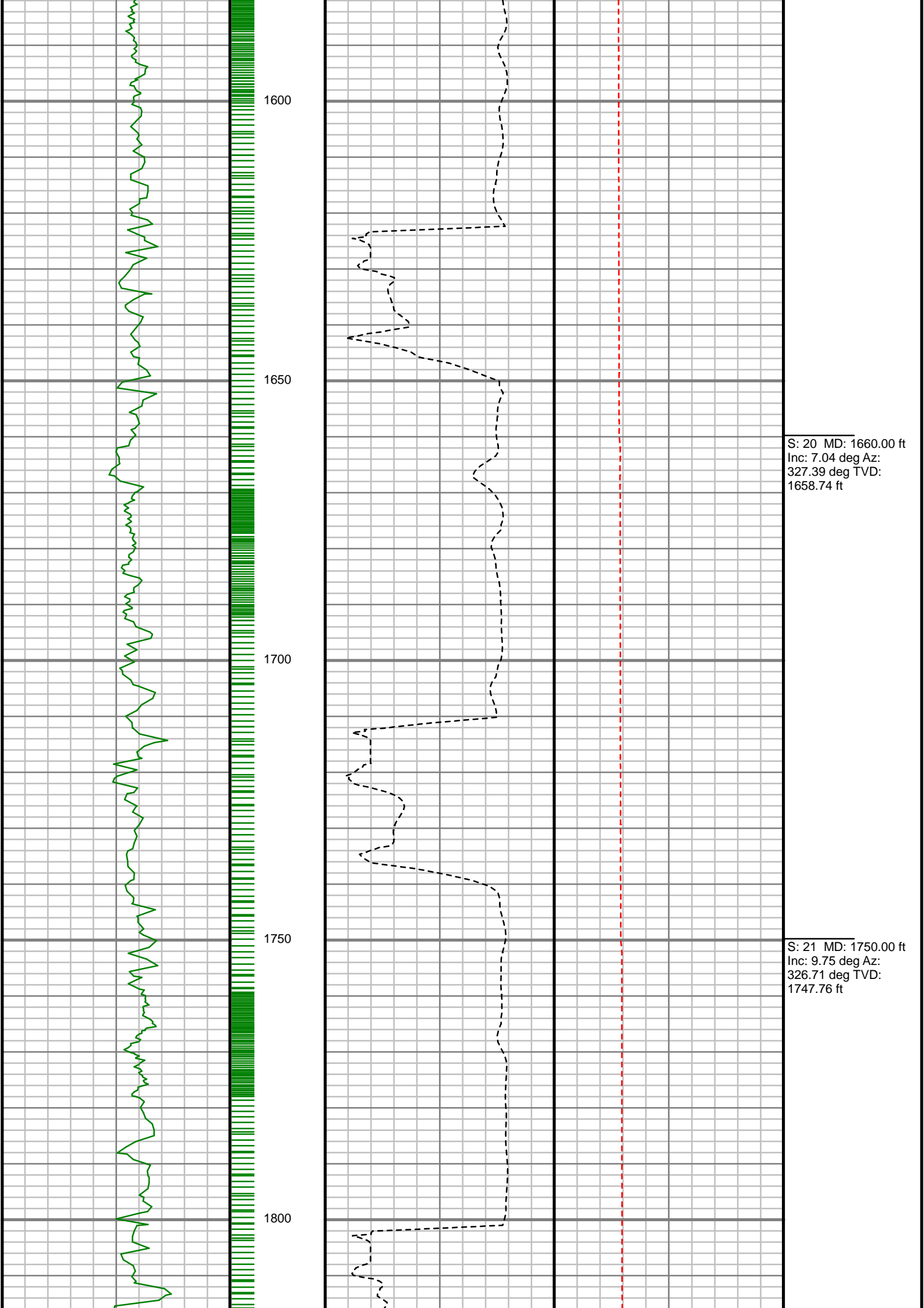
Run Data						
RUN NUMBER	1	2				
START DATE	05/07/2015	05/10/2015				
START TIME	1315	0445				
END DATE	05/09/2015	05/13/2015				
END TIME	2020	0600				
DEPTH IN (ft)	1303	8161				
DEPTH OUT (ft)	8161	12295				
LOG TOP (ft)	1280	8119				
LOG BOTTOM (ft)	8119	12247				
HOLE SIZE (in)	8.75	6.125				
MUD DATA @ (ft)	4852	8148				
MUD TYPE	WATER-BASED	WATER-BASED				
DENSITY (lb / gal)	9.1	9.9				
VISCOSITY (s / qt)	43	44				
pH	9.4	9.0				
FLUID LOSS (cm <sup>3</sup> / 30)	6.2	5.4				
SALINITY (ppm)	4000	3200				
Rm (ohmm @ deg F)	-	-				
Rmf (ohmm @ deg F)	-	-				
MAX TEMP (deg F)	179	233				
Rm @ MAX TEMP (ohmm)	-	-				
LWD ENGINEER #1	H. ORAHOOD	H. ORAHOOD				
LWD ENGINEER #2	C. COLLINS	C. COLLINS				
LWD ENGINEER #3	-	-				
LOG WITNESS #1	J. MORGAN	J. MORGAN				
LOG WITNESS #2	-	-				

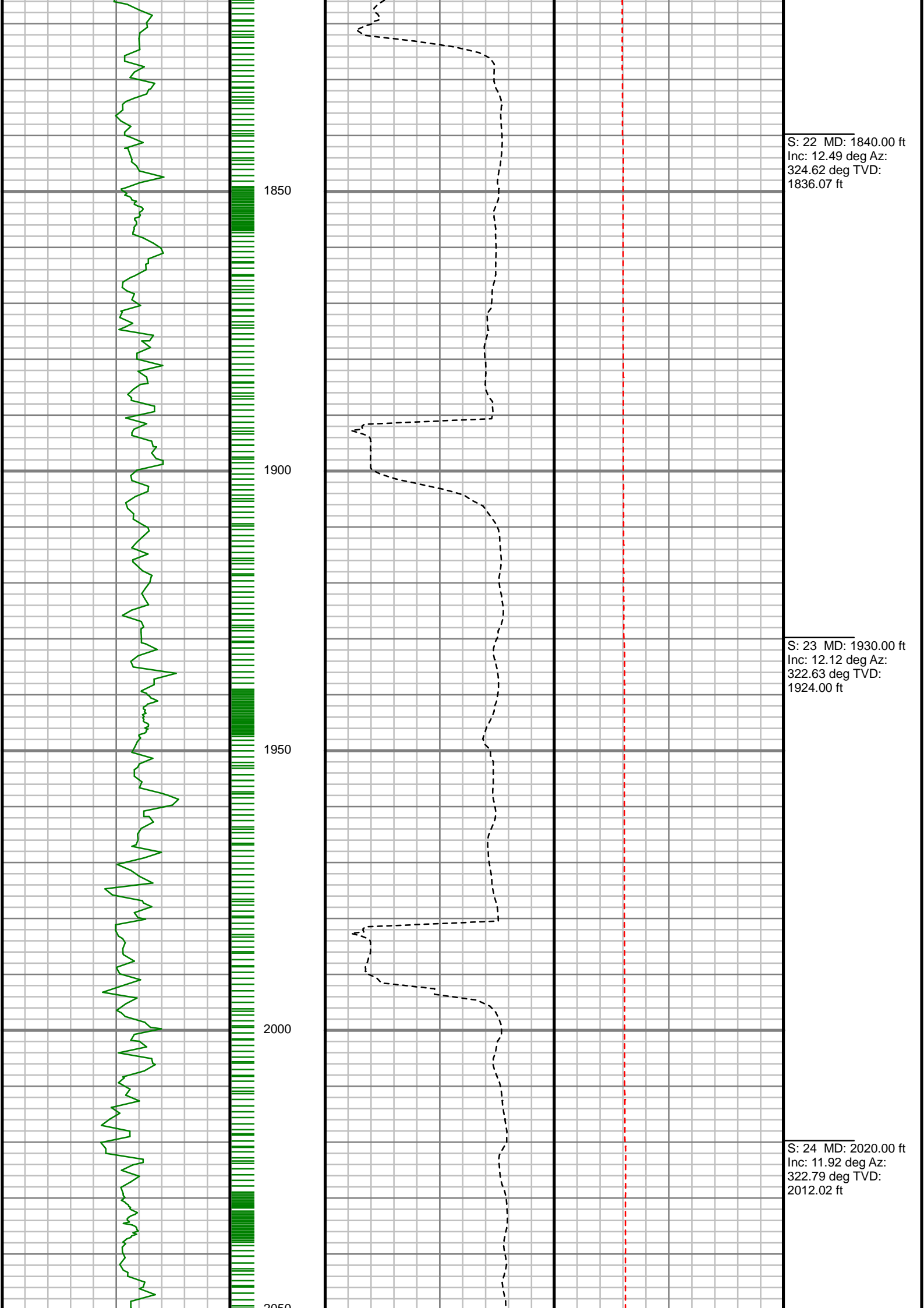
Remarks
ANADARKO E&P ONSHORE LLC PRODUCTION AFE# 2063245
SCIENTIFIC DRILLING INTERNATIONAL JOB# 279216
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO TOOL TEMPERATURE CURVE
RUN # 1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-116 / CONT = 862 / MWD EYE = 0153 / GAMMA RAY = 1091
BIT TO SENSOR OFFSETS: SURVEY = 53.00 FT. / GAMMA RAY = 42.07 FT.
RUN # 2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-220 / CONT = 863 / MWD EYE = 0399 / GAMMA RAY = 1344
BIT TO SENSOR OFFSETS: SURVEY = 59.00 FT. / GAMMA RAY = 47.79 FT.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION
T-TEMP = TOOL TEMPERATURE

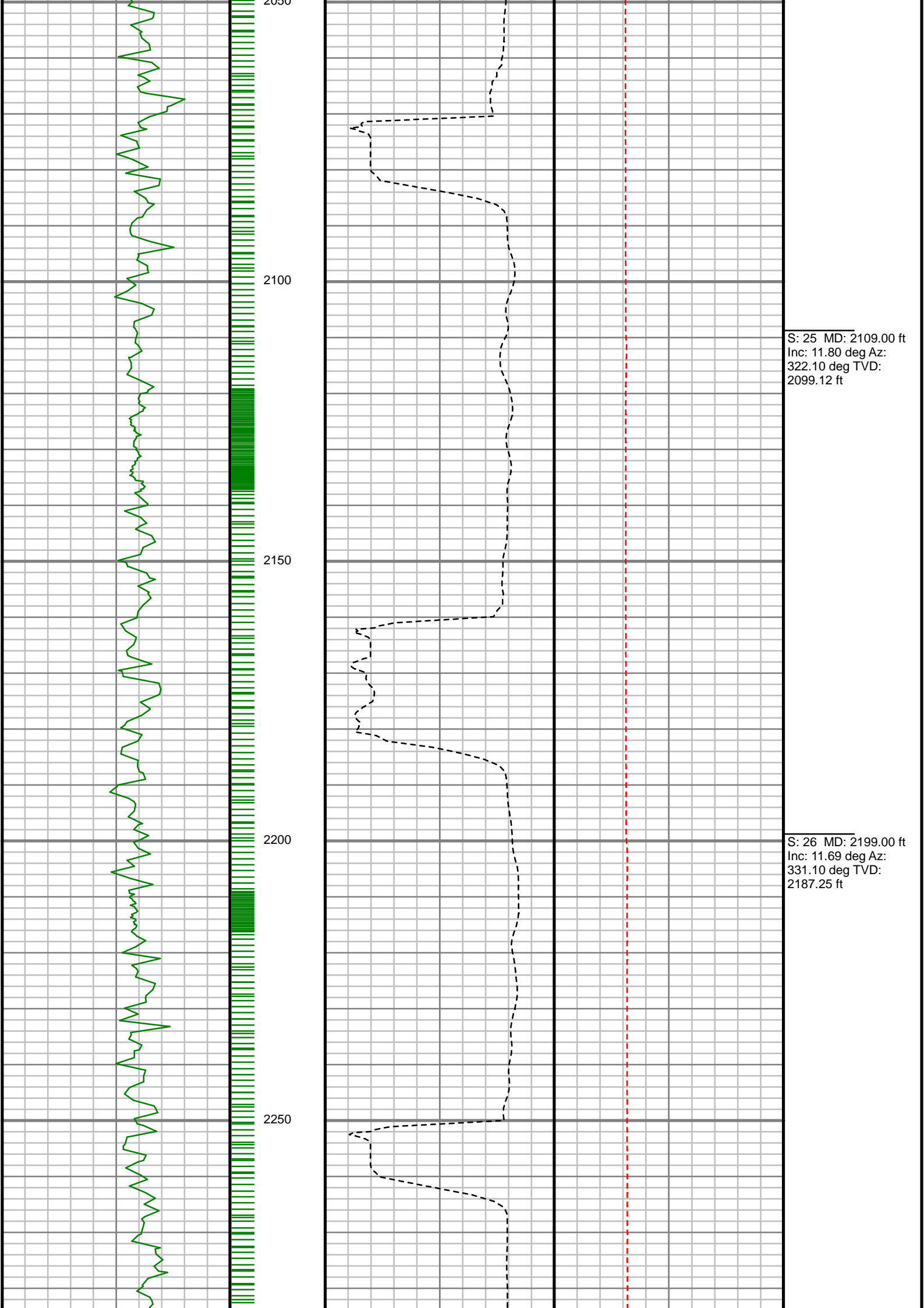
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

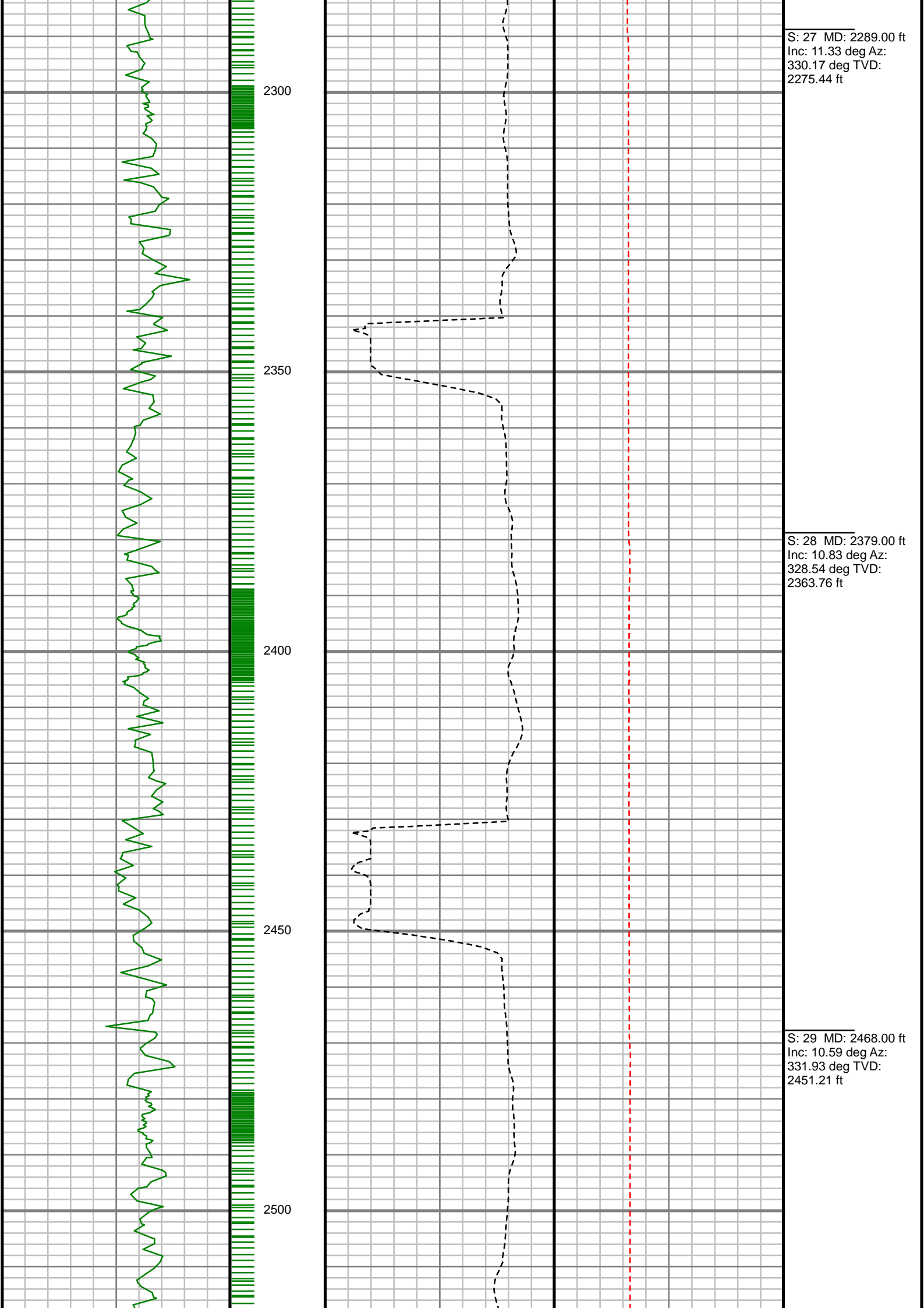


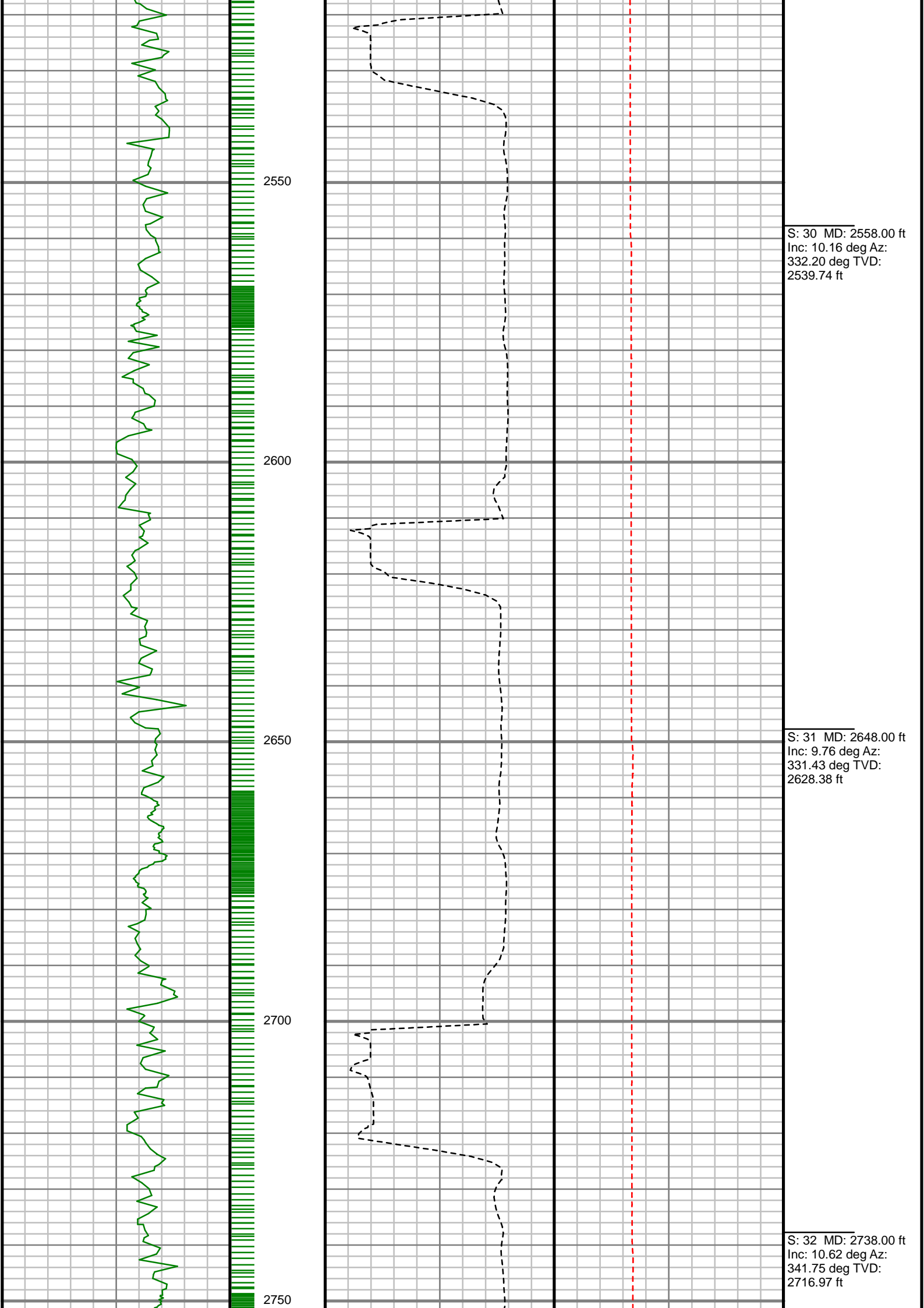




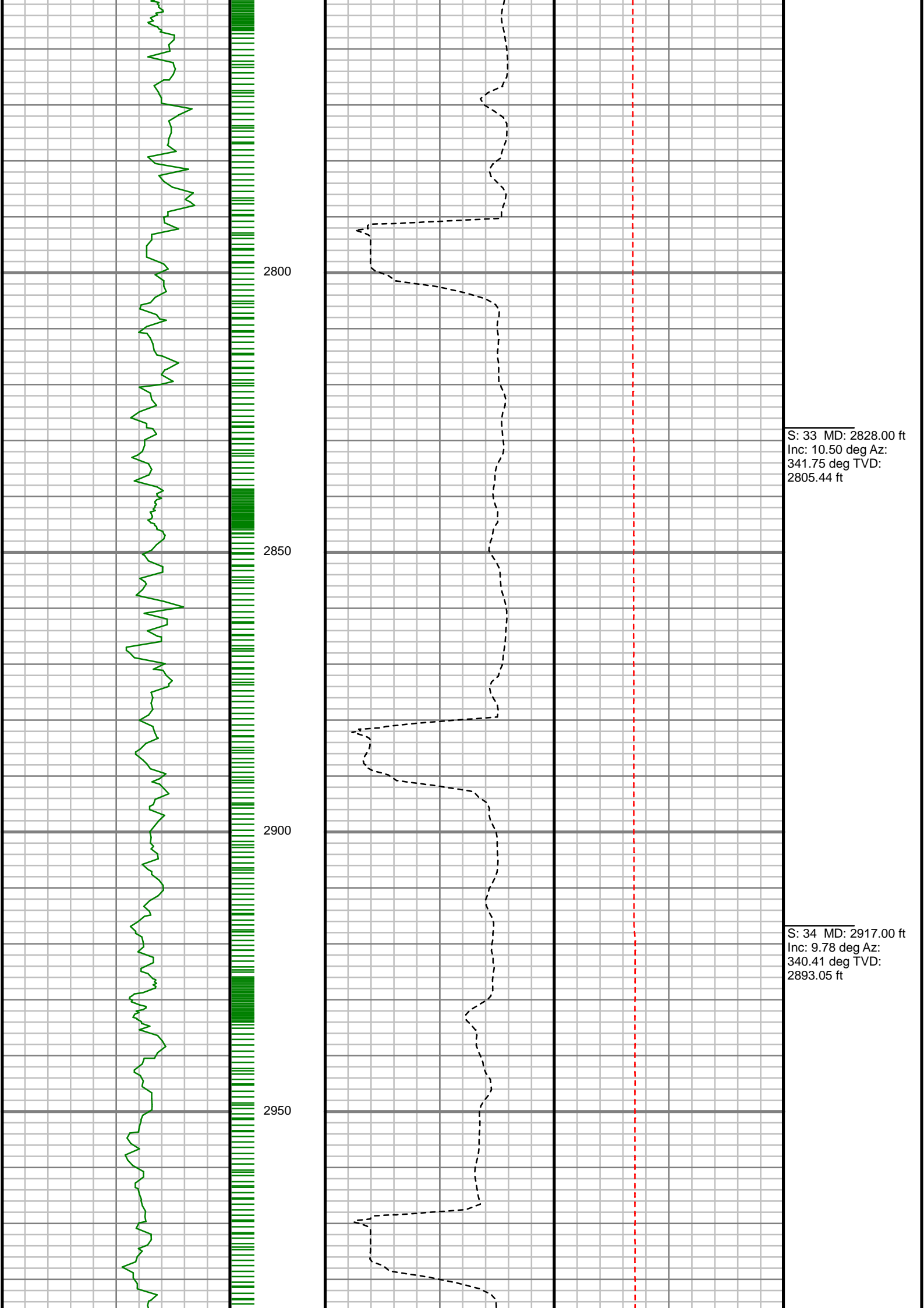


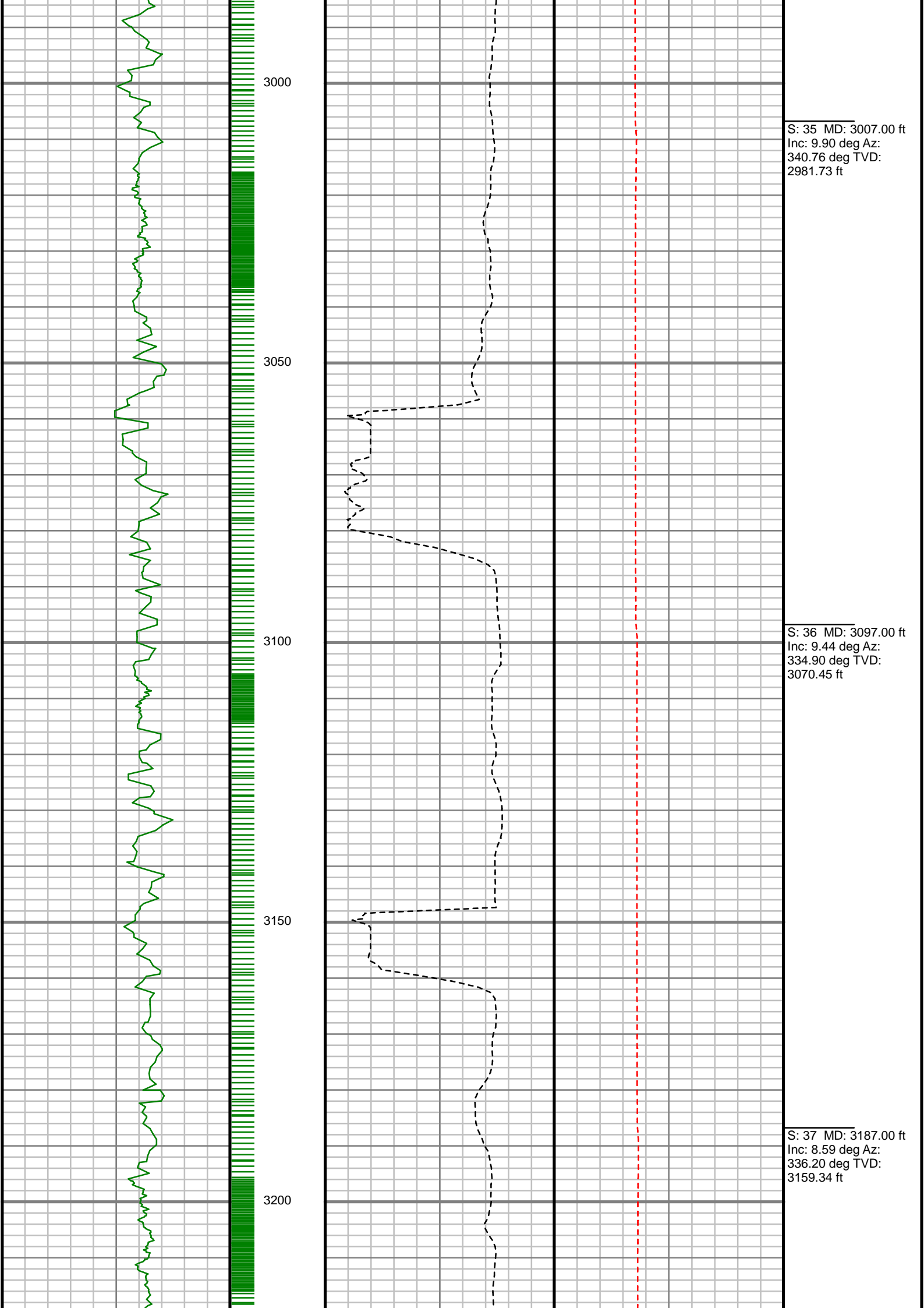


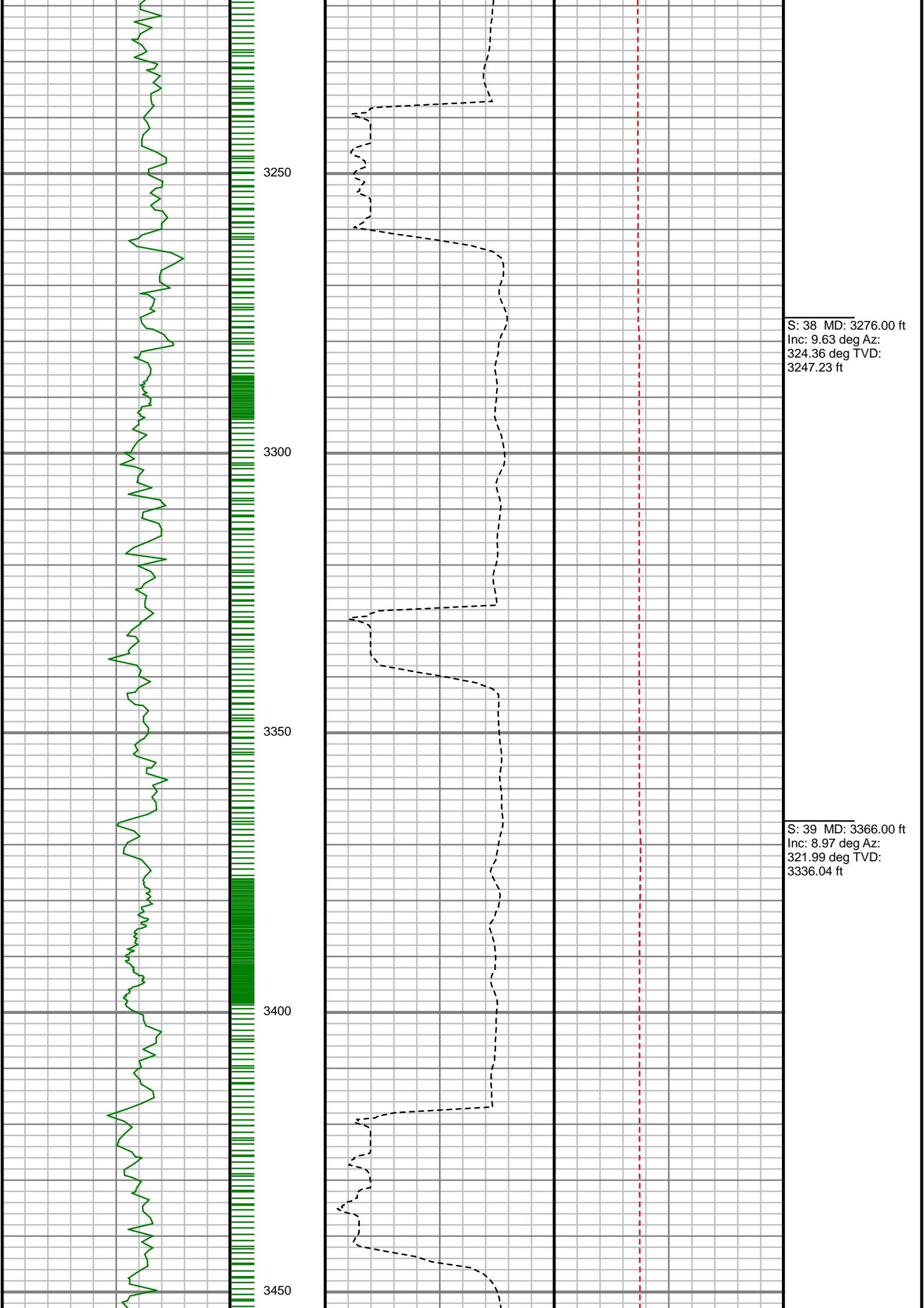


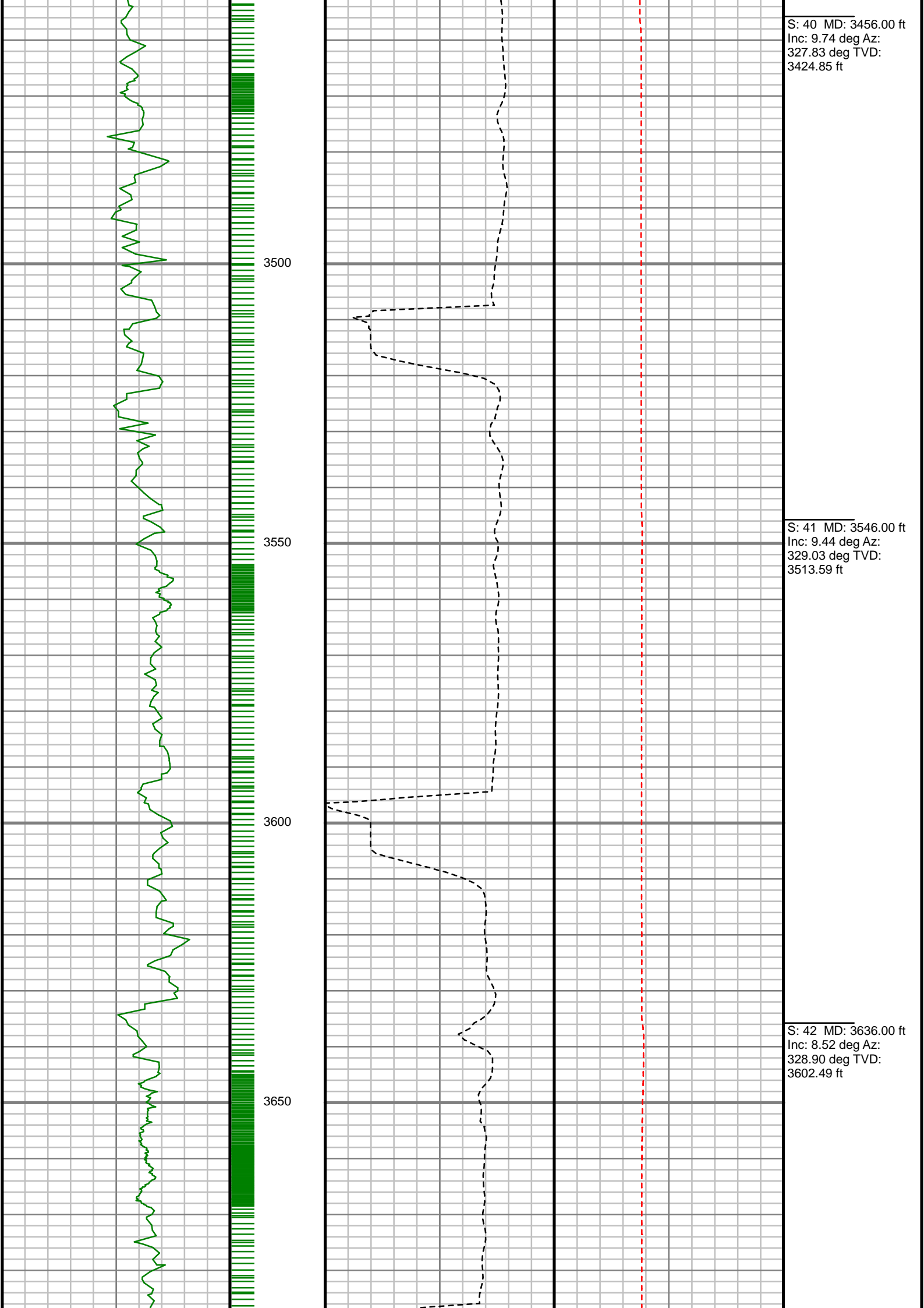


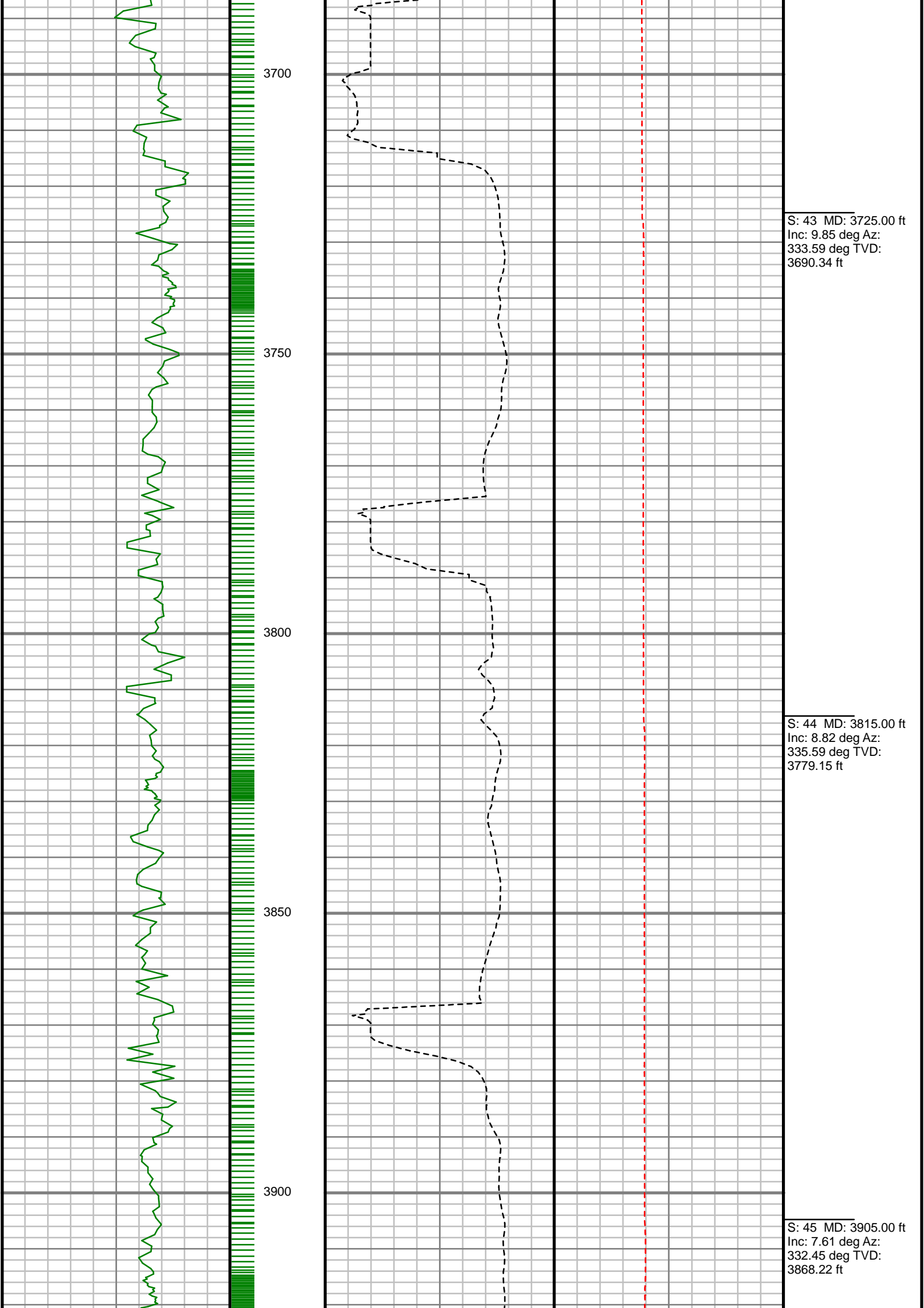


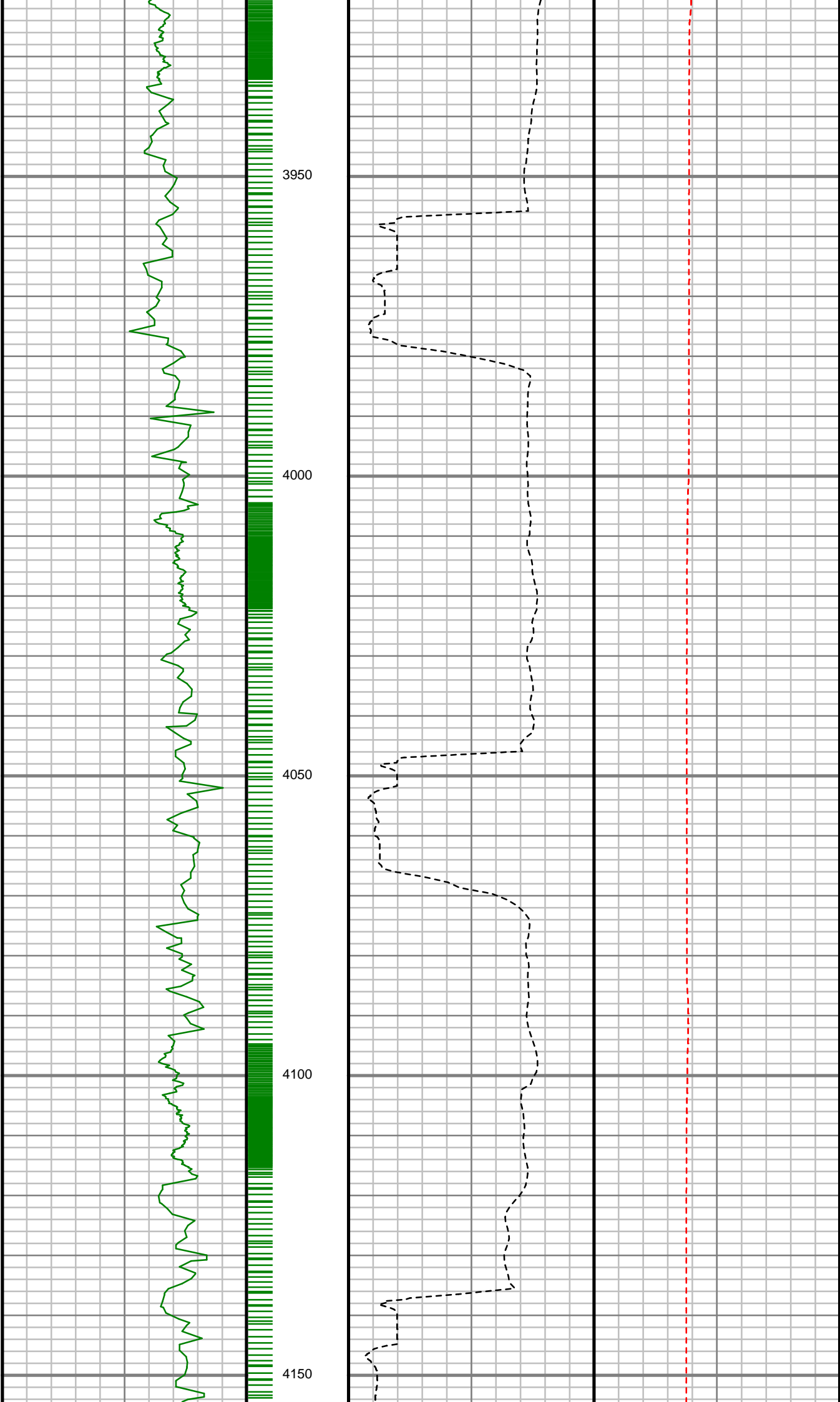






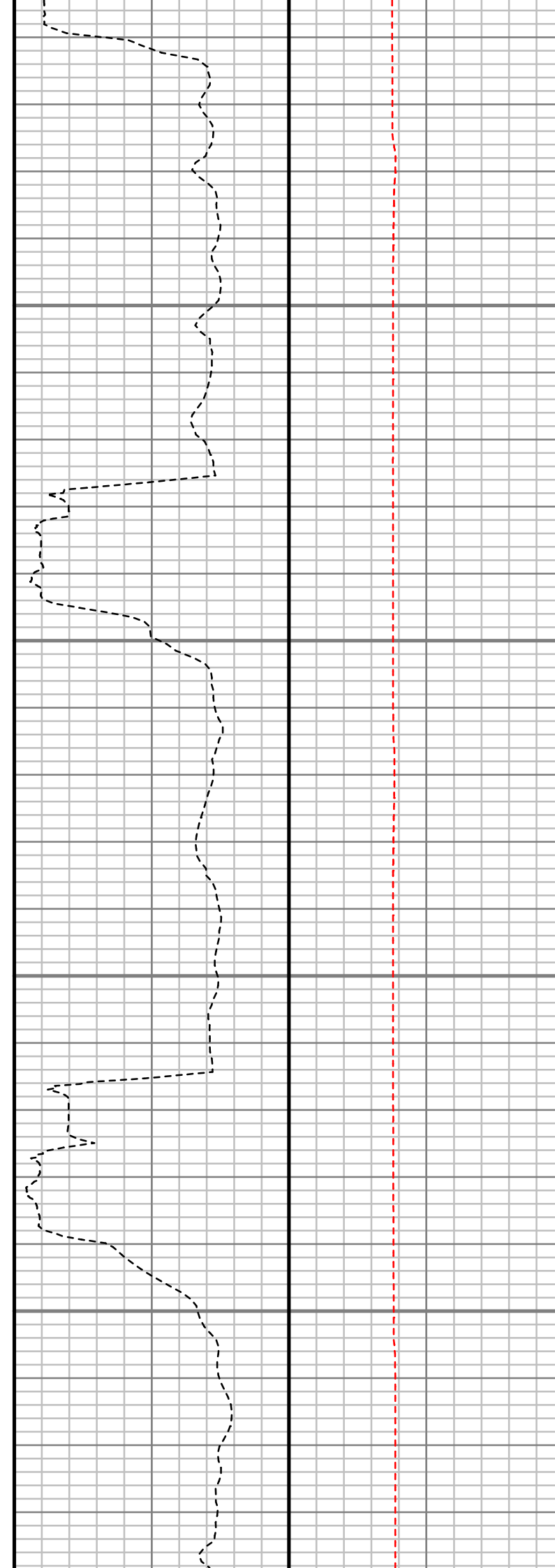
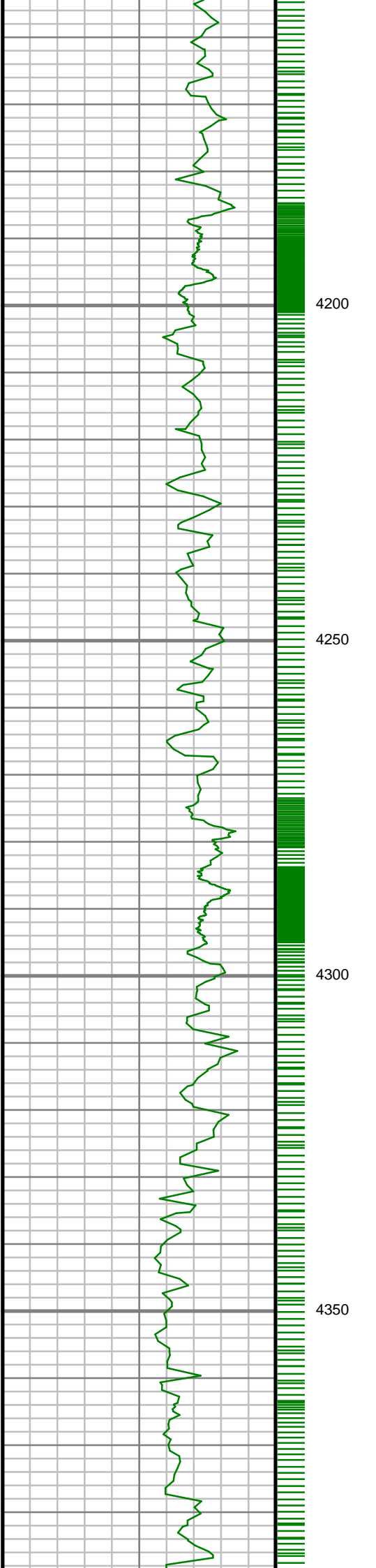






S: 46 MD: 3995.00 ft  
Inc: 5.93 deg Az:  
323.24 deg TVD:  
3957.60 ft

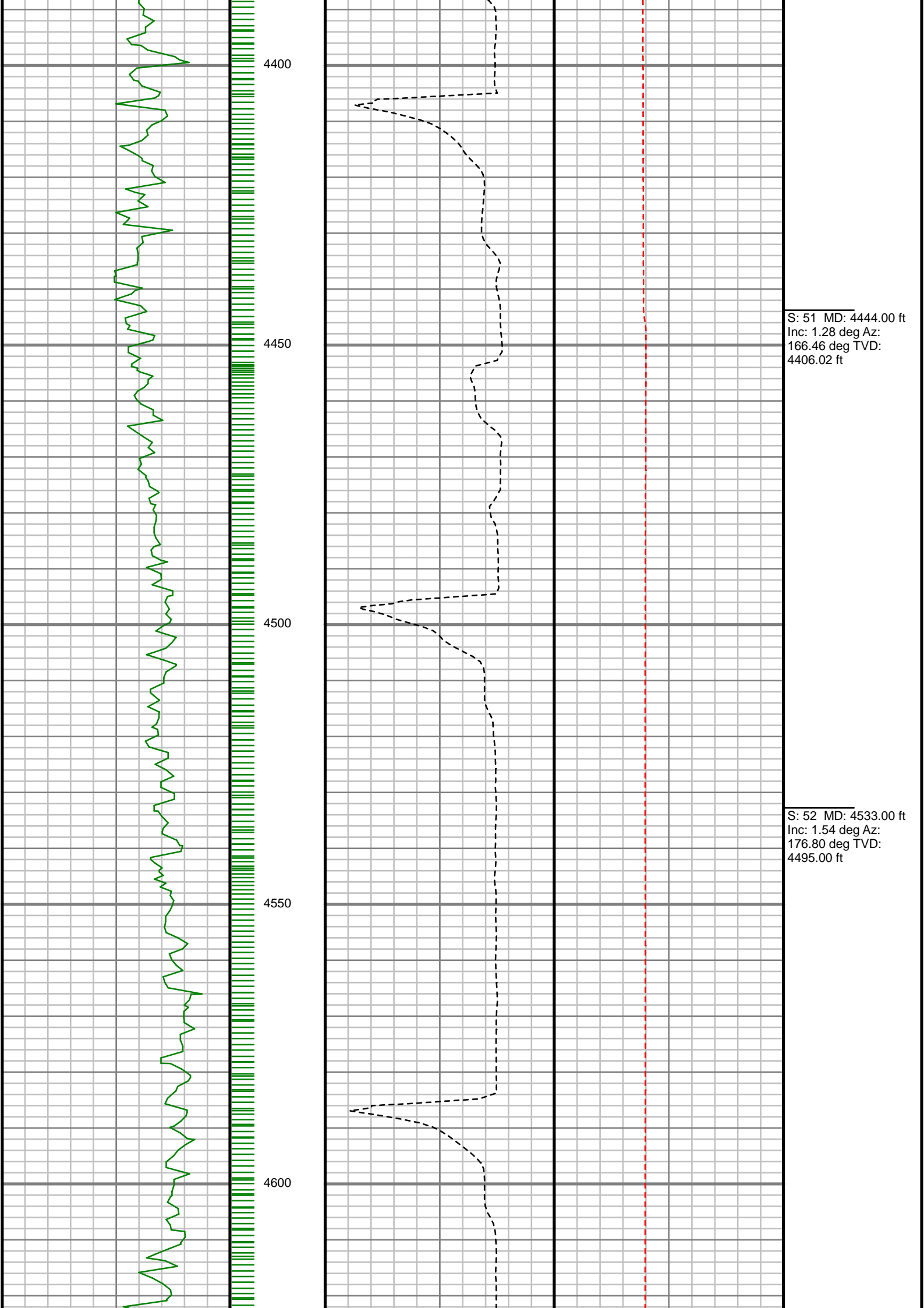
S: 47 MD: 4085.00 ft  
Inc: 3.86 deg Az:  
308.35 deg TVD:  
4047.27 ft



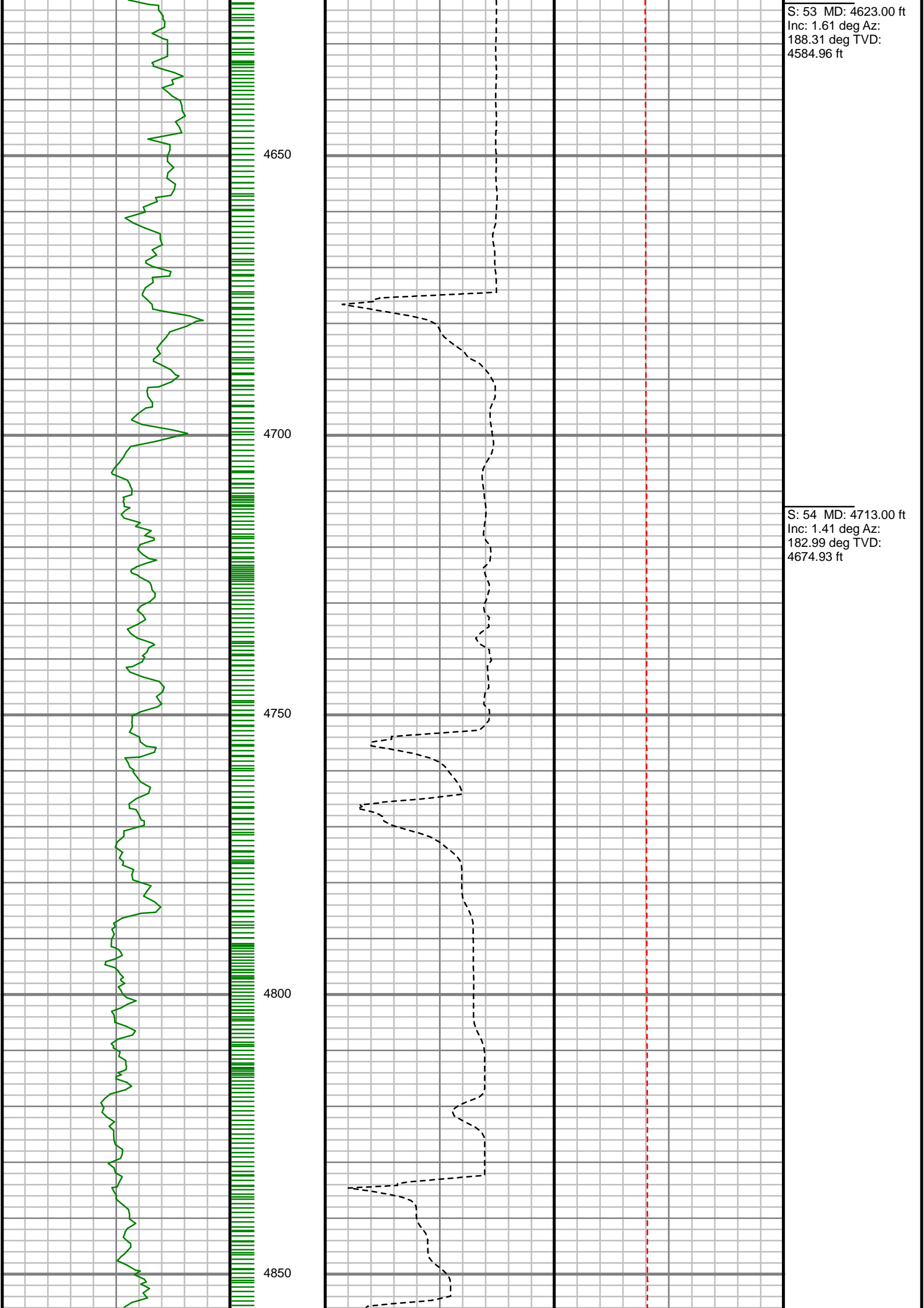
S: 48 MD: 4174.00 ft  
Inc: 2.93 deg Az:  
275.84 deg TVD:  
4136.12 ft

S: 49 MD: 4264.00 ft  
Inc: 1.14 deg Az:  
270.09 deg TVD:  
4226.06 ft

S: 50 MD: 4354.00 ft  
Inc: 1.38 deg Az:  
141.55 deg TVD:  
4316.05 ft

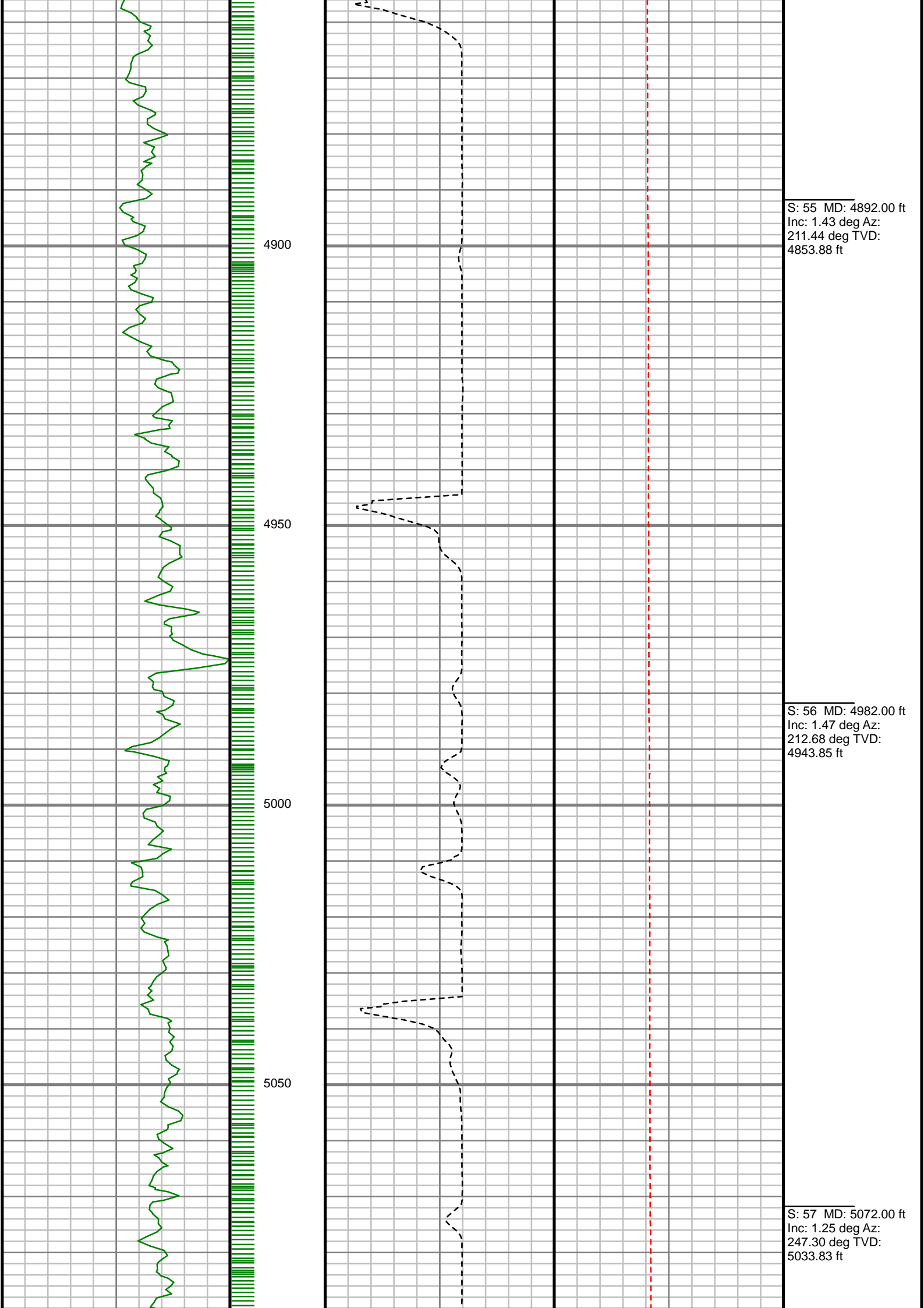


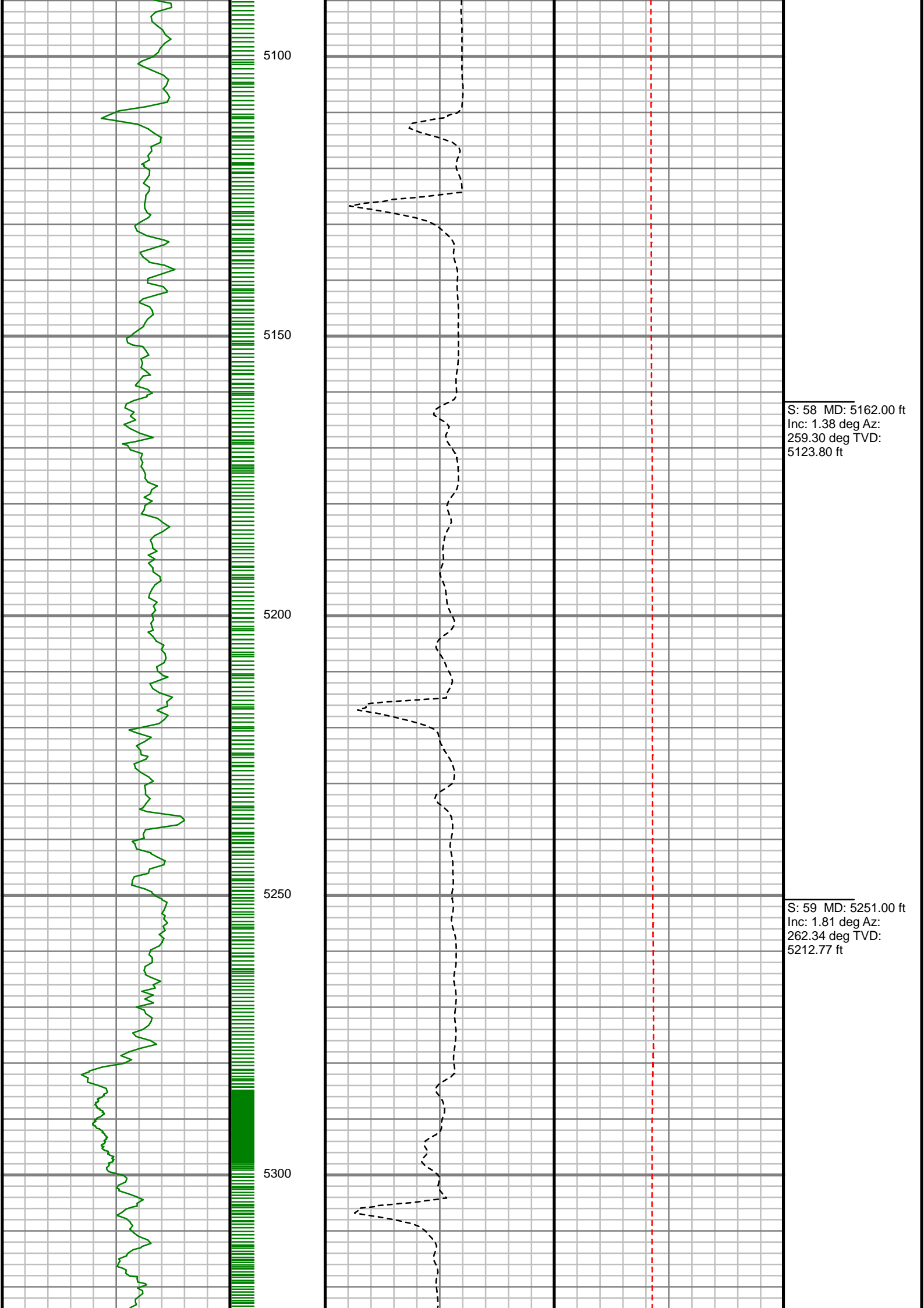


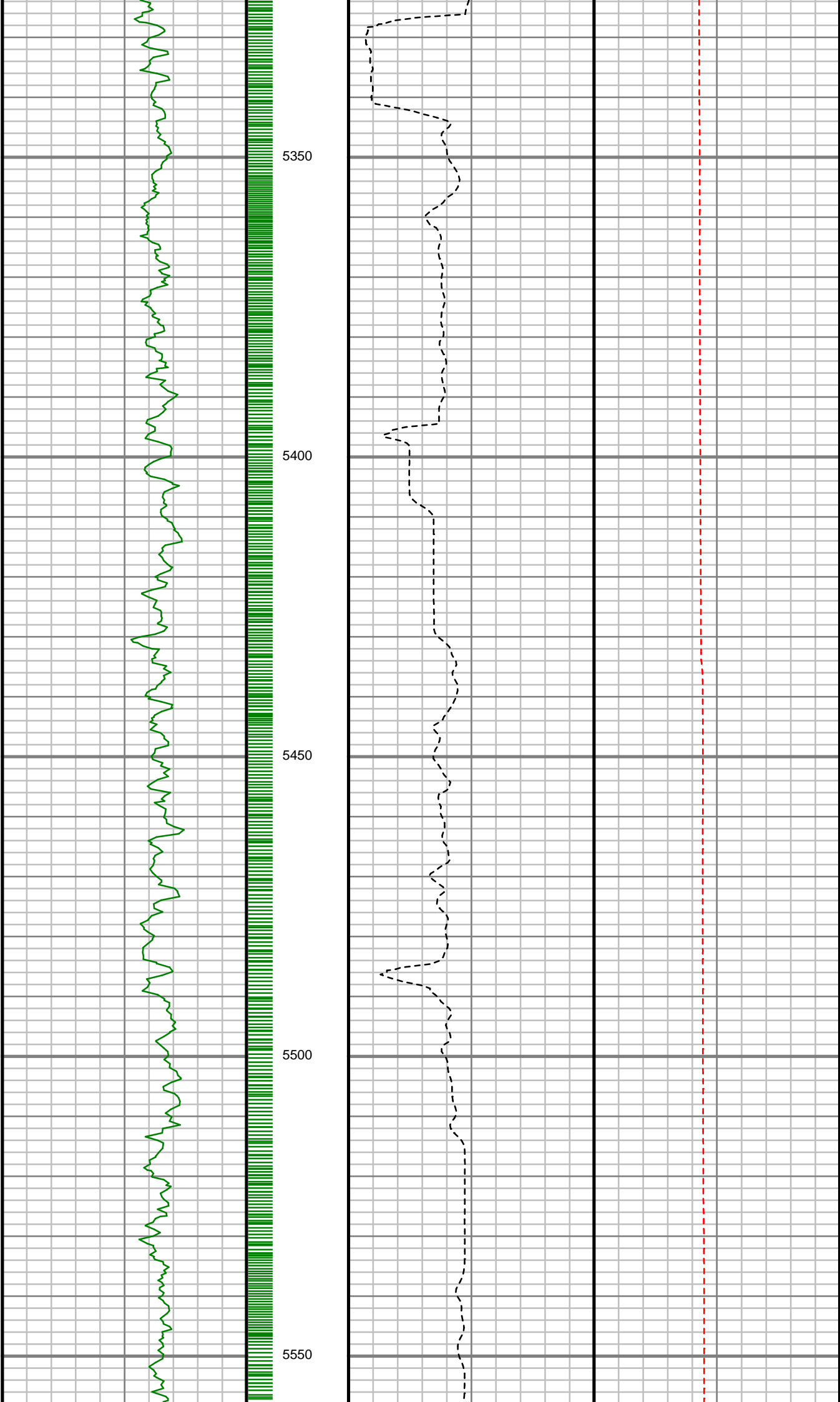


S: 53 MD: 4623.00 ft  
Inc: 1.61 deg Az:  
188.31 deg TVD:  
4584.96 ft

S: 54 MD: 4713.00 ft  
Inc: 1.41 deg Az:  
182.99 deg TVD:  
4674.93 ft

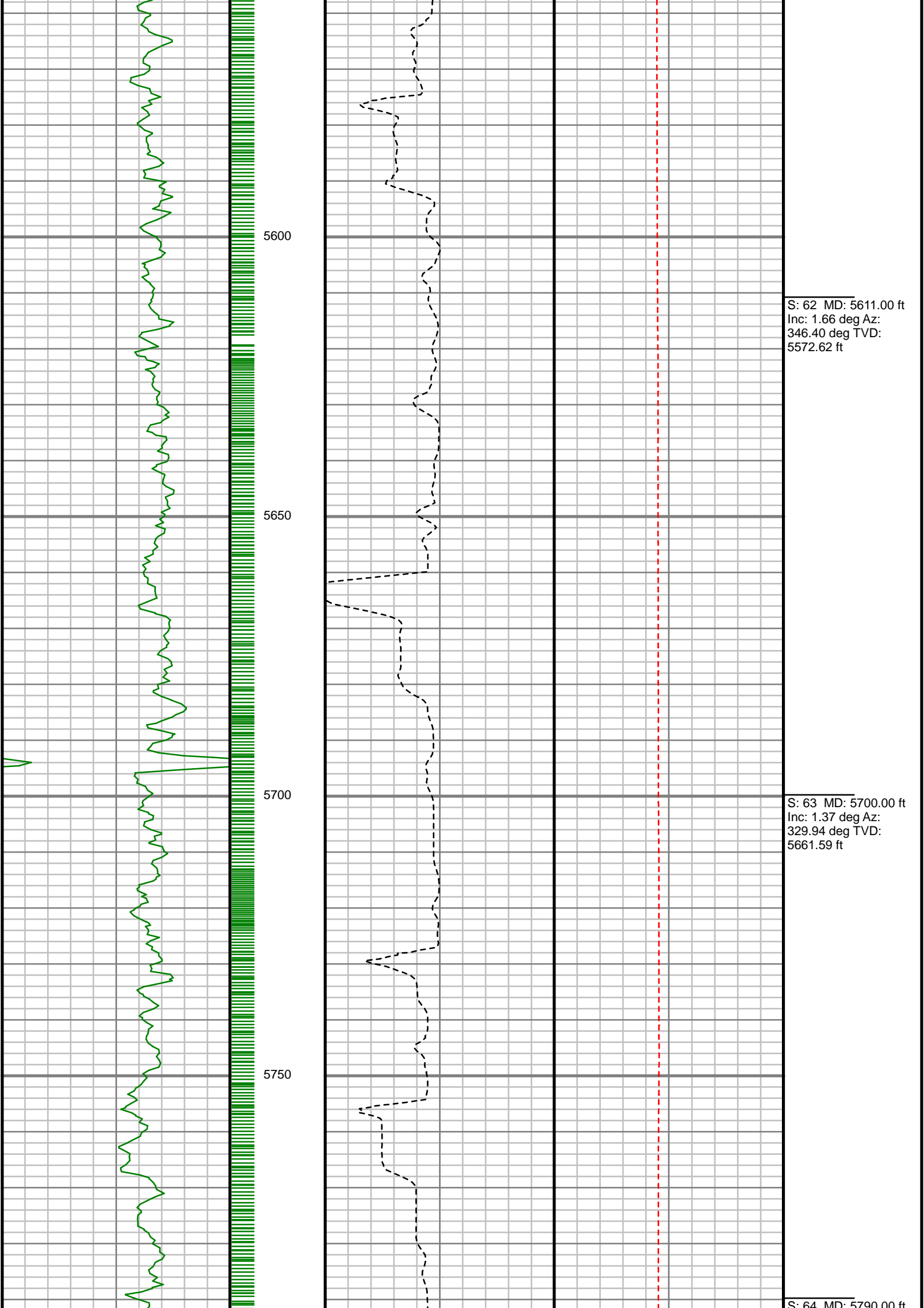


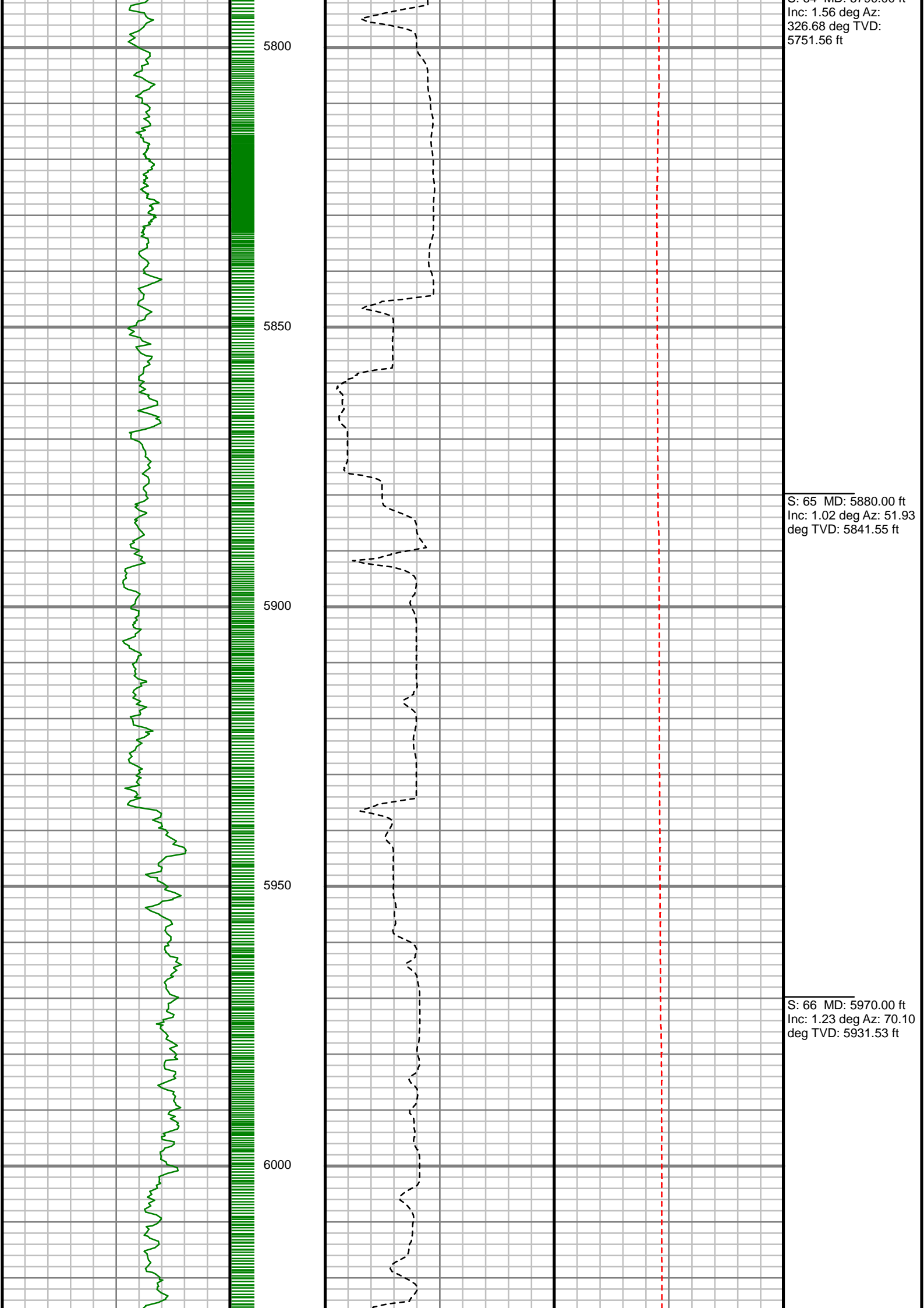


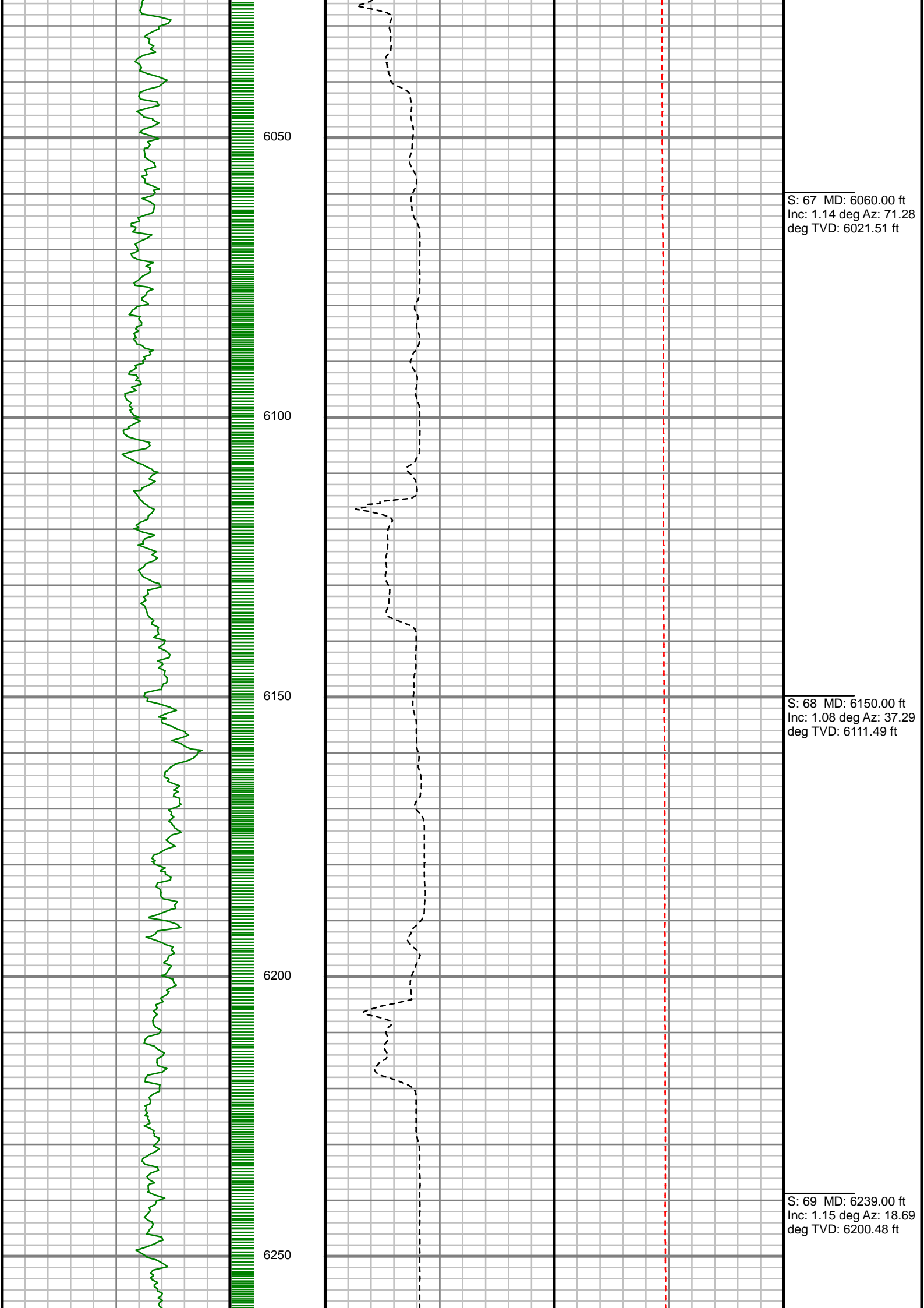


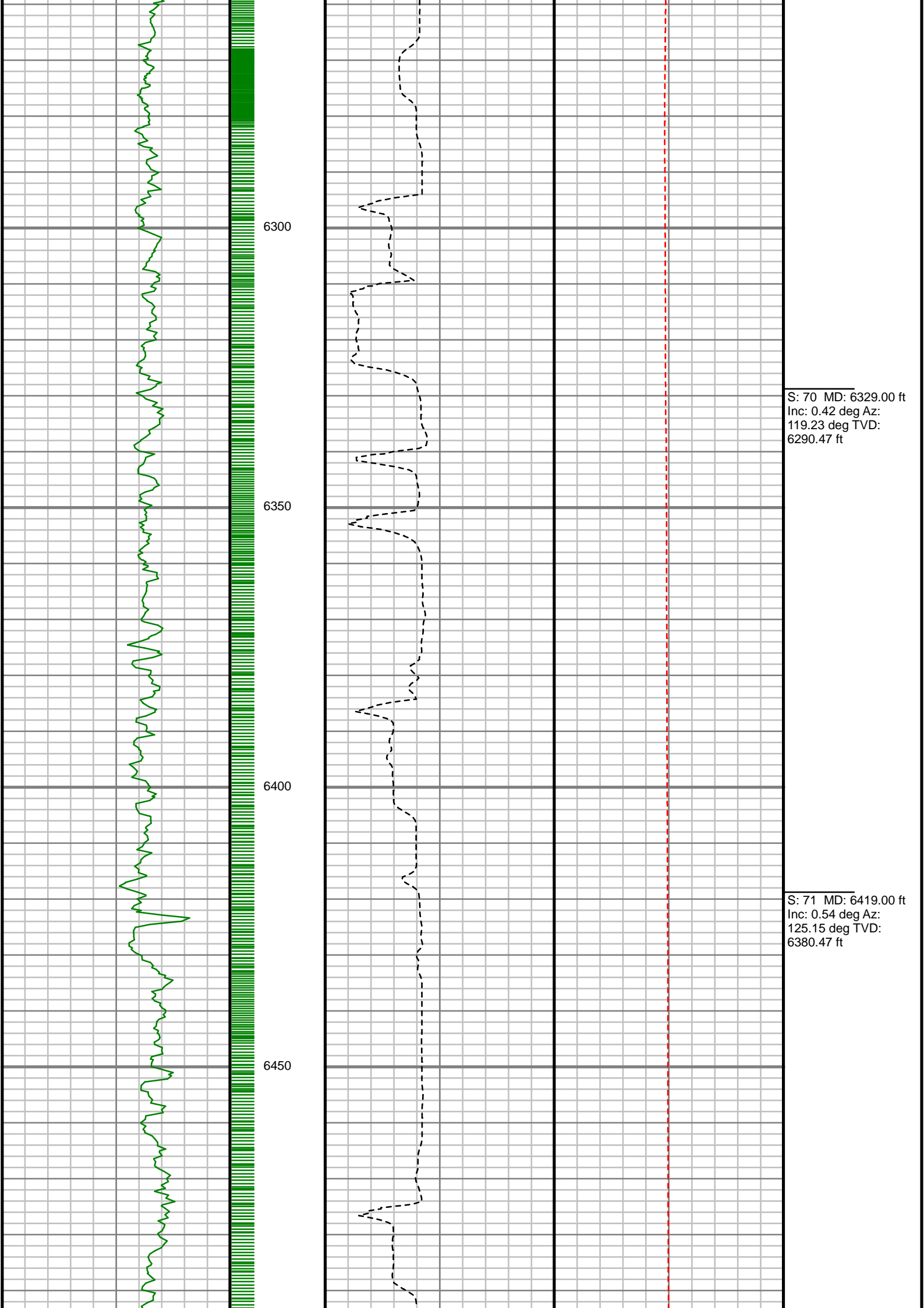
S: 60 MD: 5341.00 ft  
Inc: 1.26 deg Az:  
342.69 deg TVD:  
5302.74 ft

S: 61 MD: 5521.00 ft  
Inc: 2.03 deg Az:  
357.35 deg TVD:  
5482.67 ft

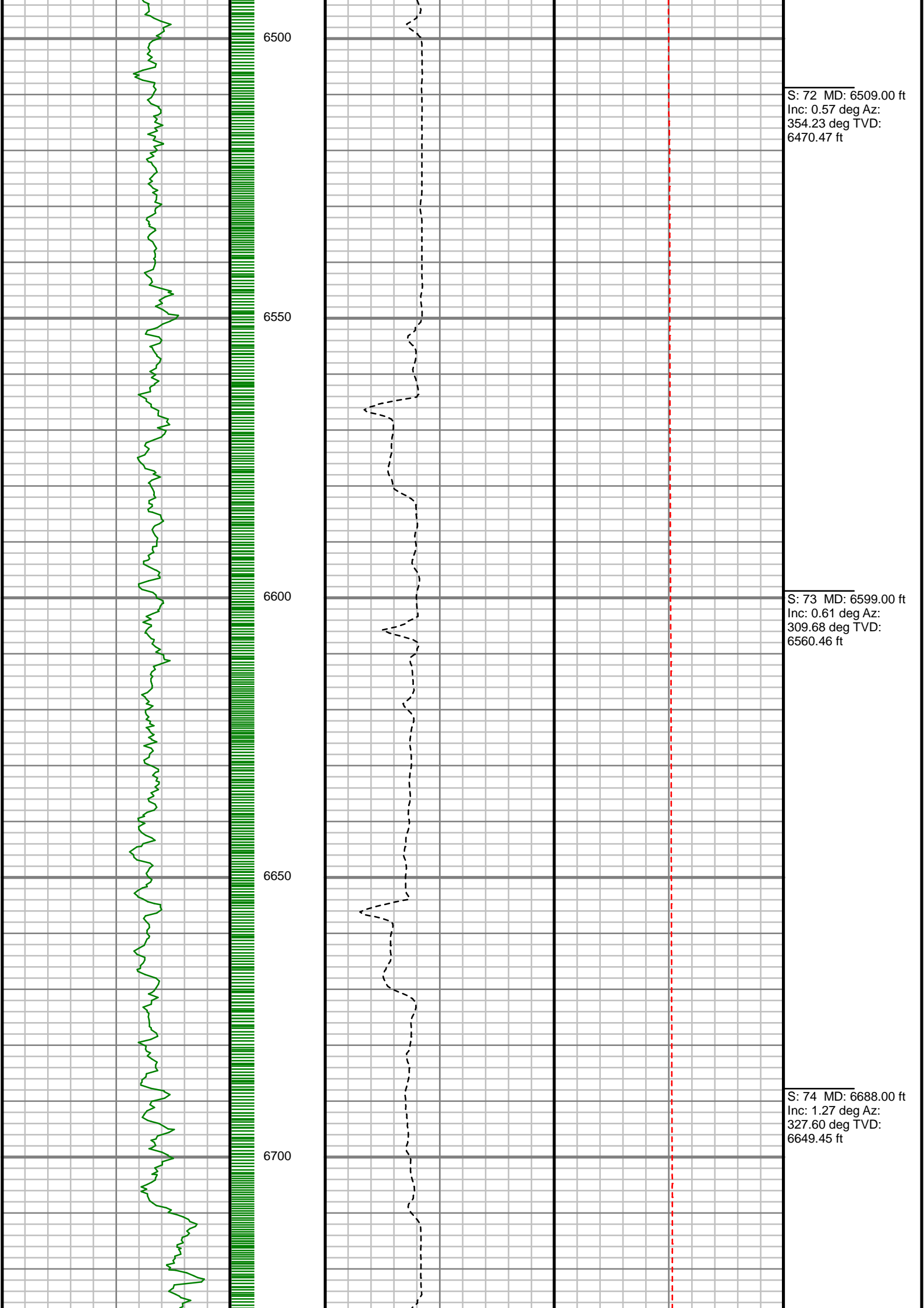


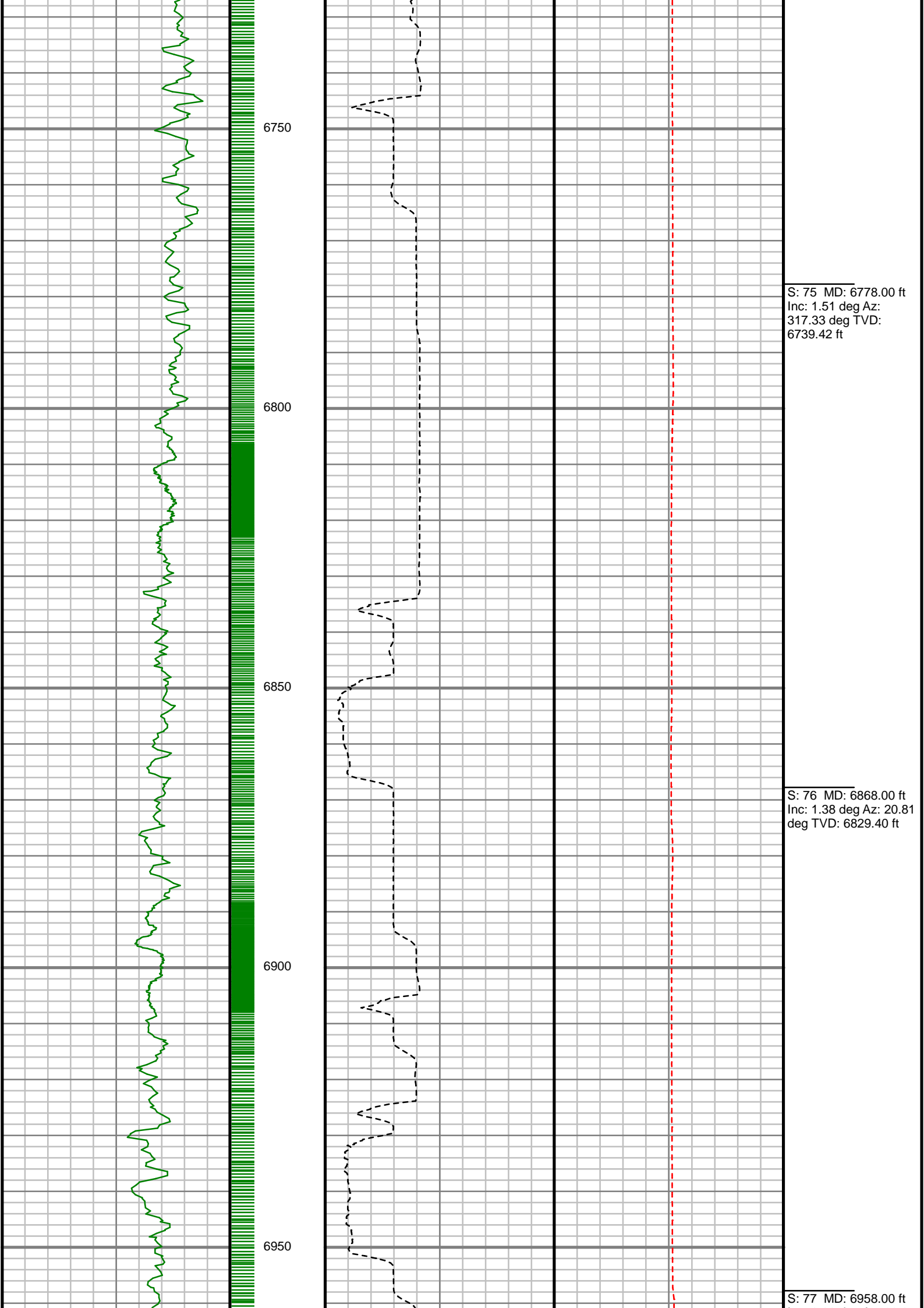


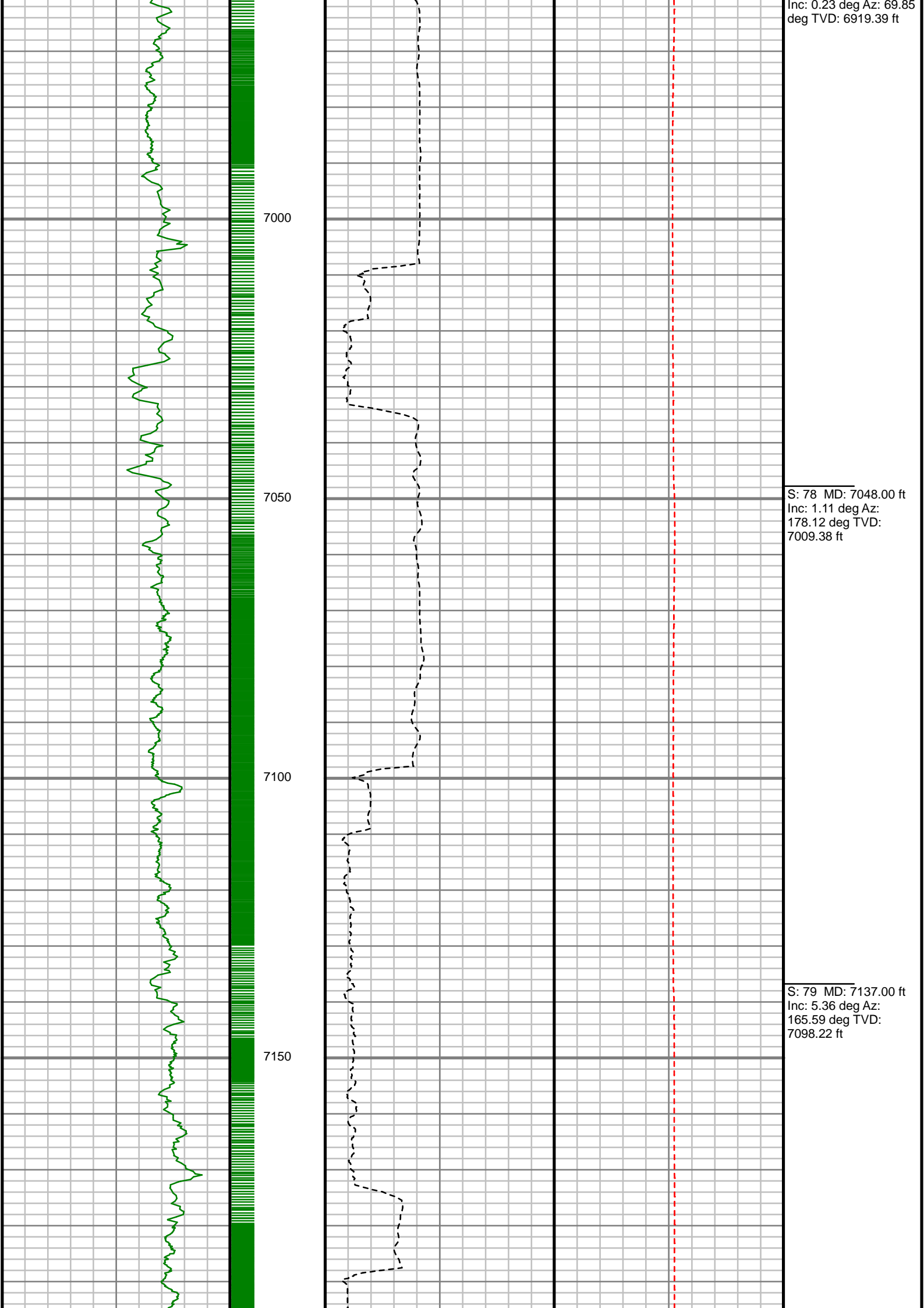








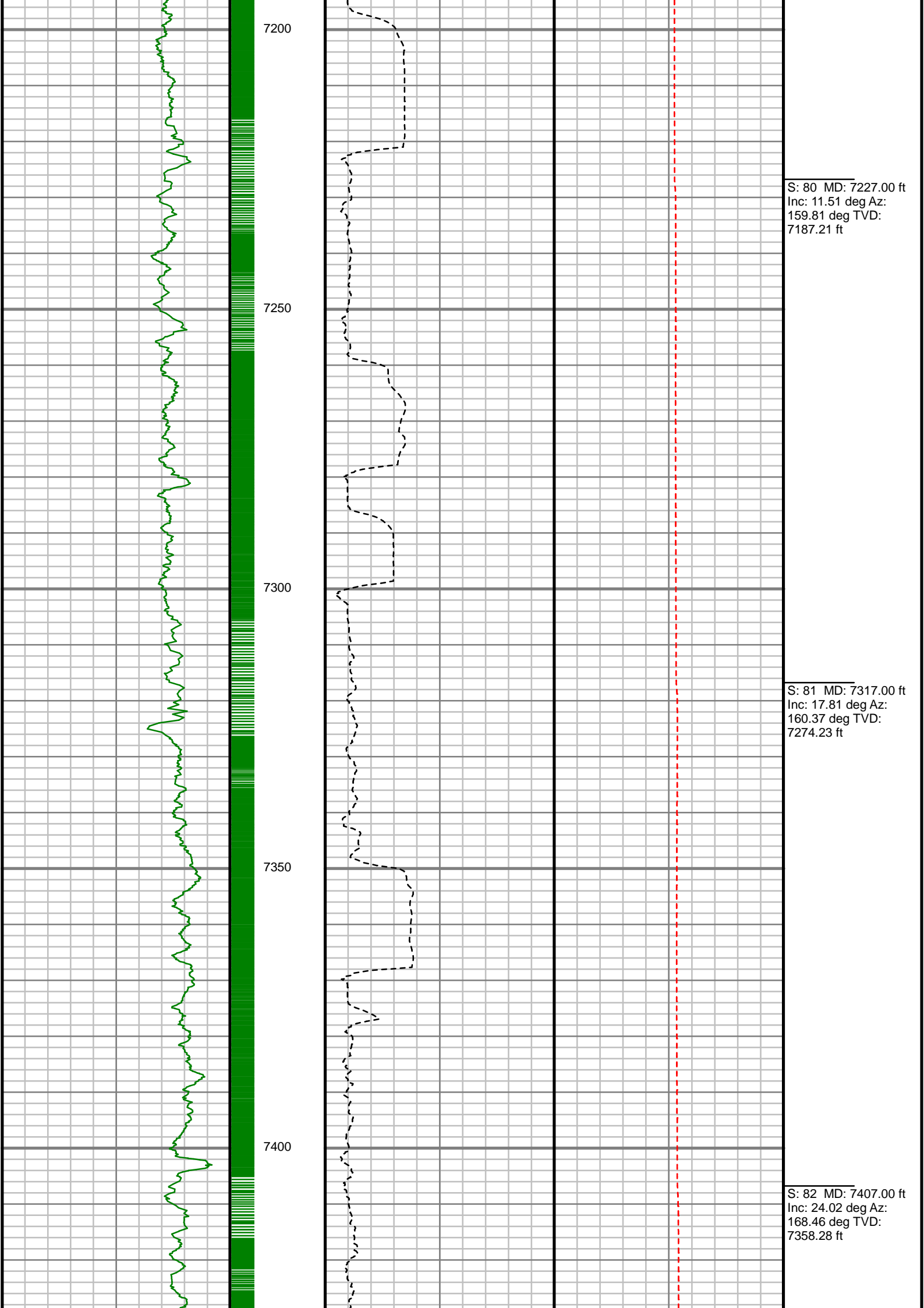


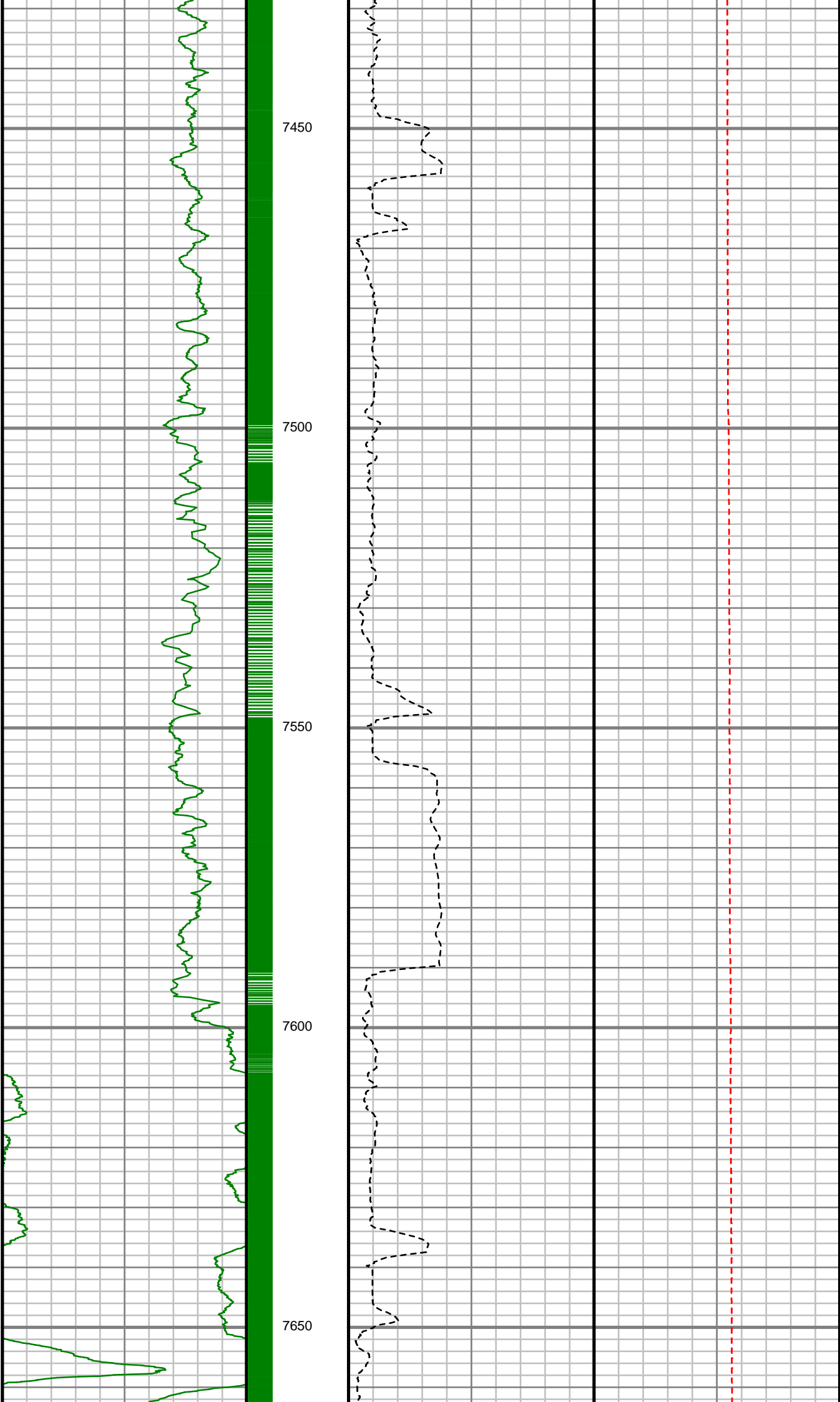


Inc: 0.23 deg Az: 69.85  
deg TVD: 6919.39 ft

S: 78 MD: 7048.00 ft  
Inc: 1.11 deg Az:  
178.12 deg TVD:  
7009.38 ft

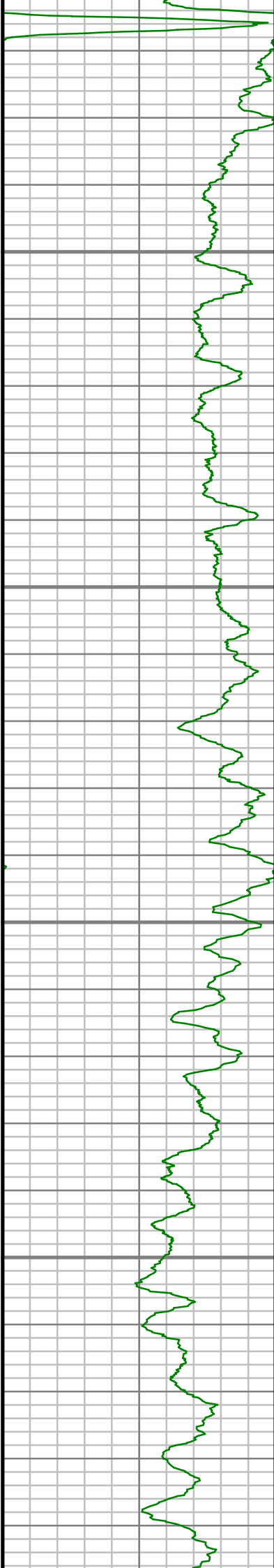
S: 79 MD: 7137.00 ft  
Inc: 5.36 deg Az:  
165.59 deg TVD:  
7098.22 ft





S: 83 MD: 7496.00 ft  
Inc: 34.33 deg Az:  
171.05 deg TVD:  
7435.89 ft

S: 84 MD: 7586.00 ft  
Inc: 39.17 deg Az:  
169.71 deg TVD:  
7507.98 ft

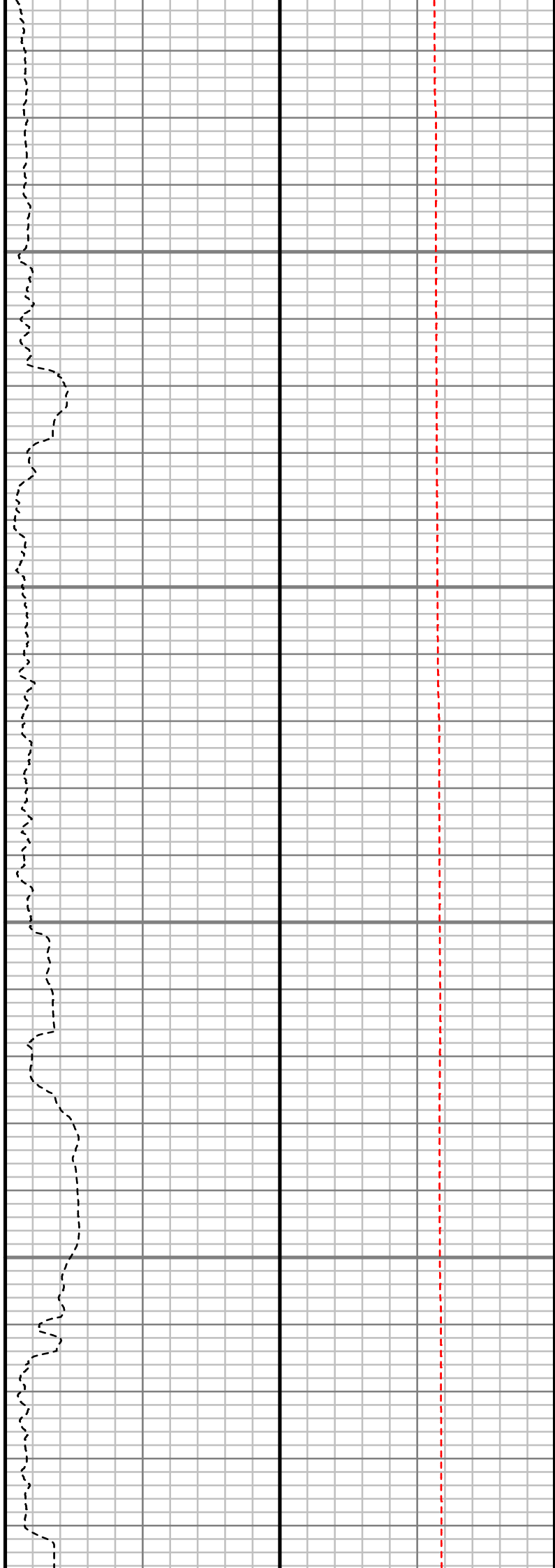


7700

7750

7800

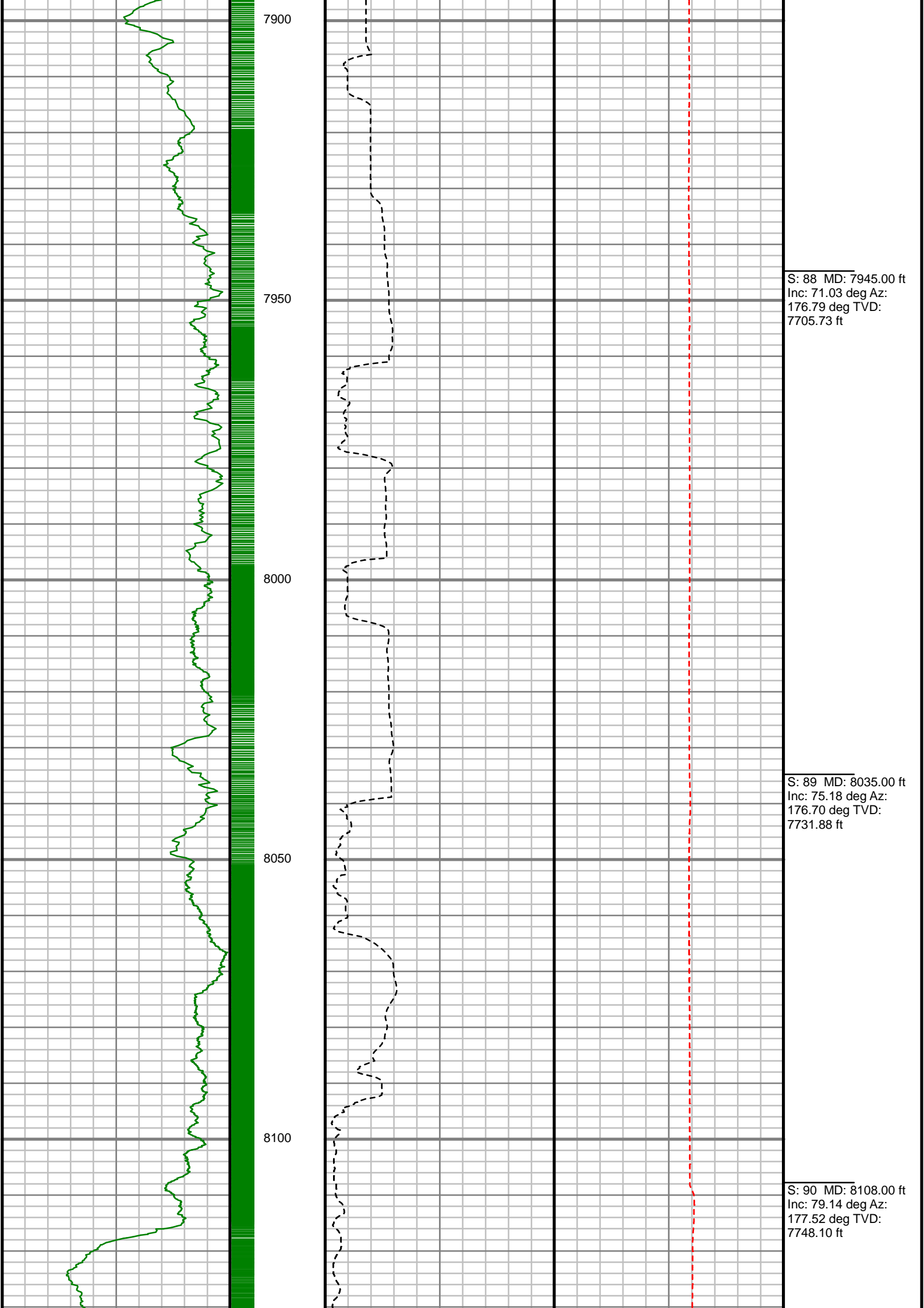
7850

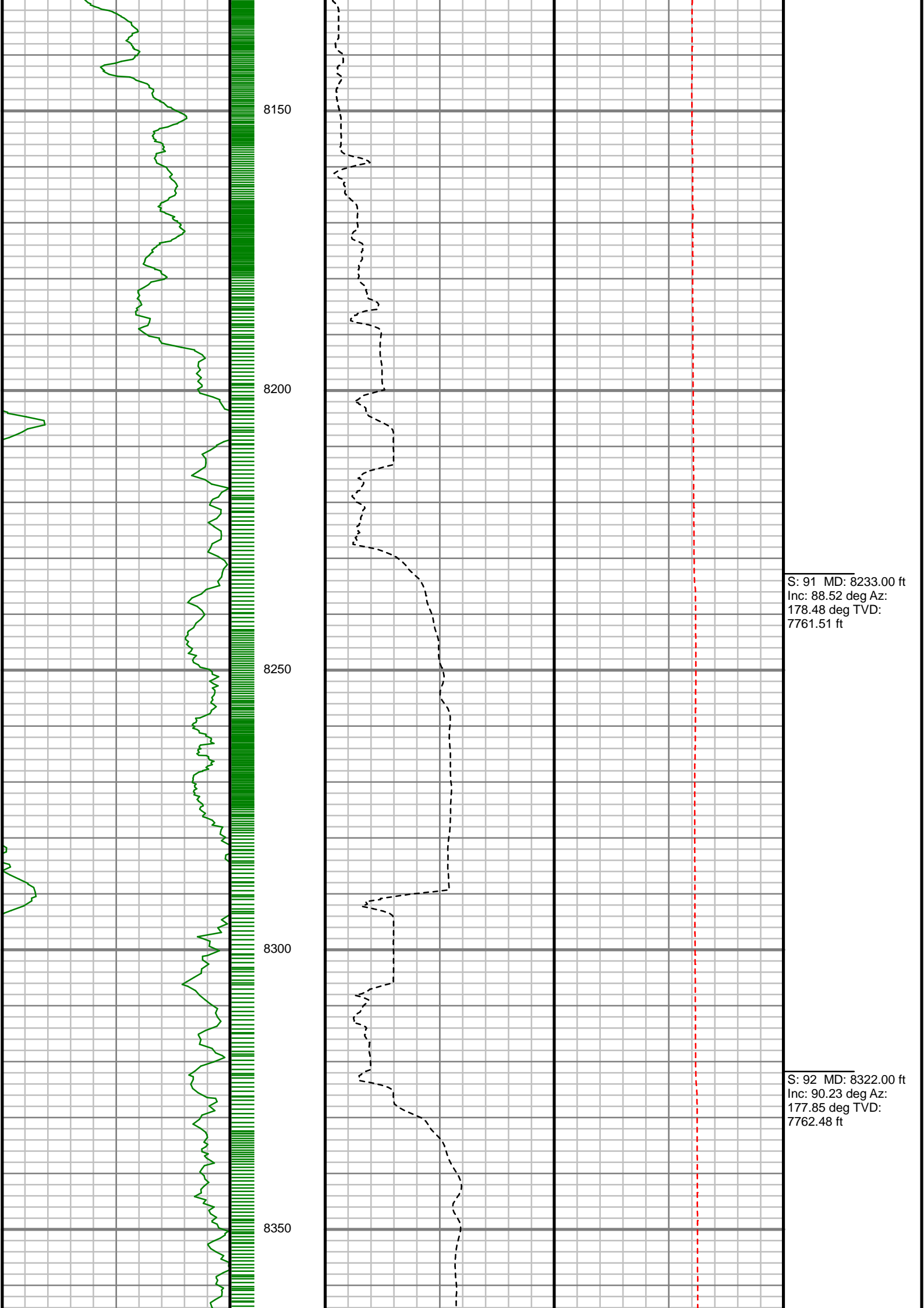


S: 85 MD: 7676.00 ft  
Inc: 46.39 deg Az:  
174.15 deg TVD:  
7574.01 ft

S: 86 MD: 7766.00 ft  
Inc: 57.74 deg Az:  
177.18 deg TVD:  
7629.25 ft

S: 87 MD: 7855.00 ft  
Inc: 64.87 deg Az:  
177.93 deg TVD:  
7671.95 ft

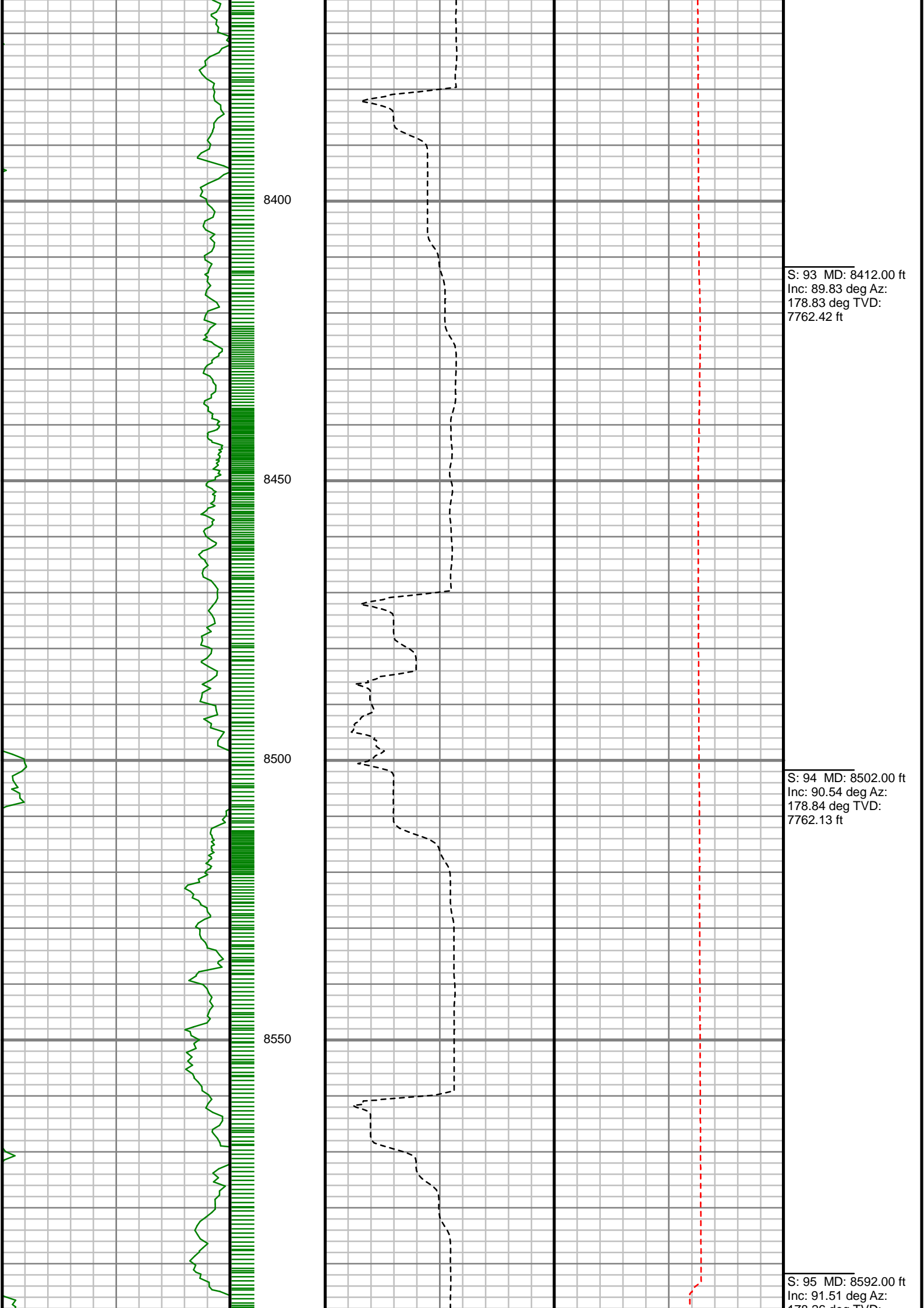


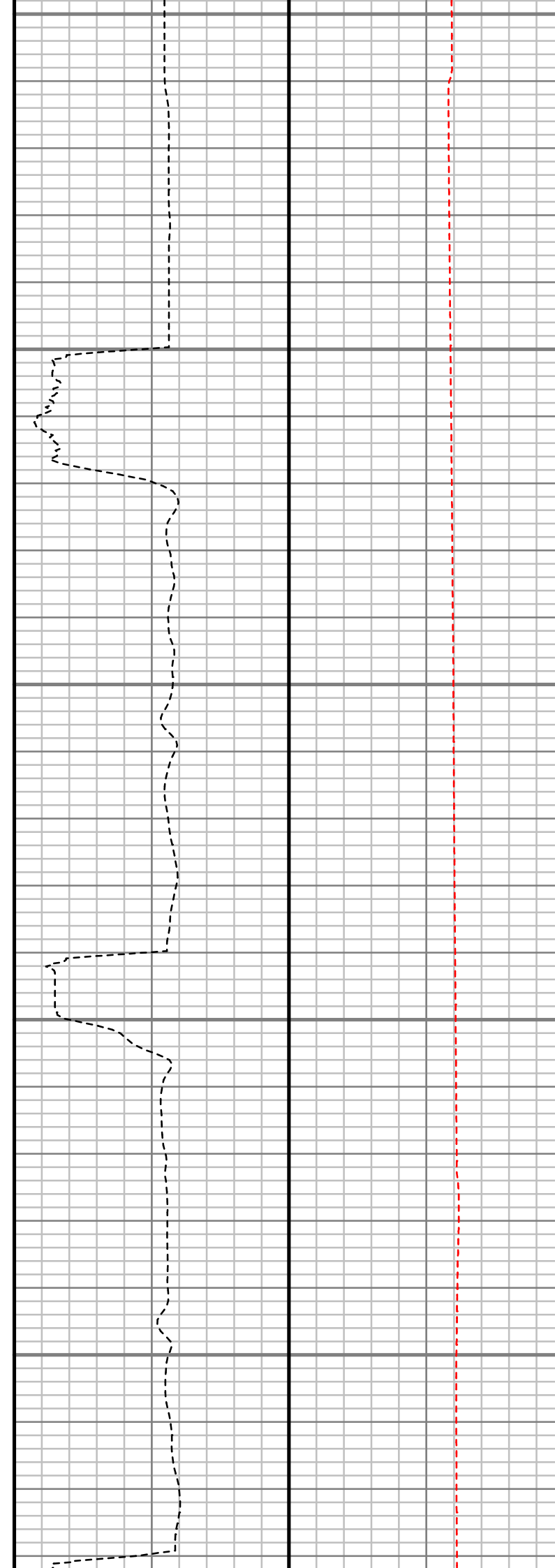
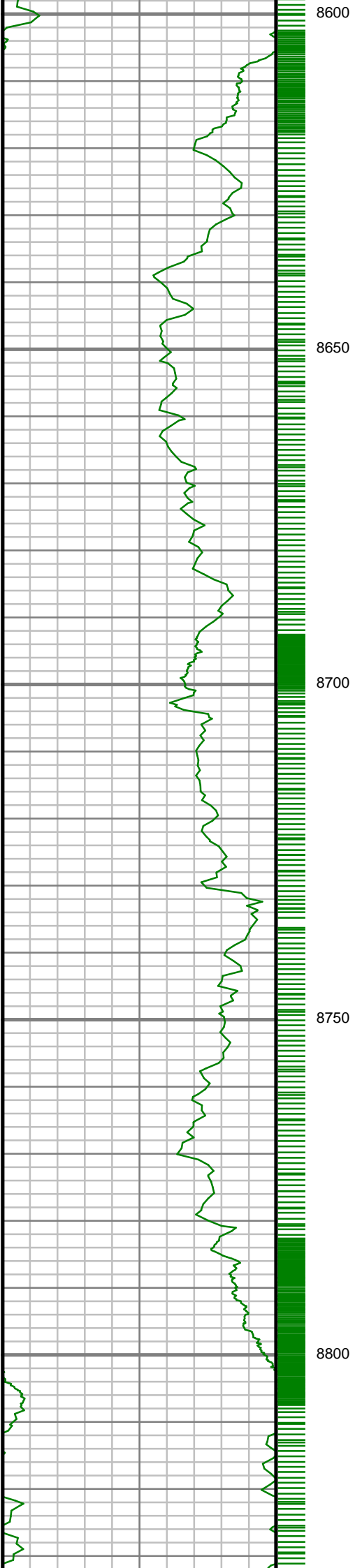


S: 91 MD: 8233.00 ft  
Inc: 88.52 deg Az:  
178.48 deg TVD:  
7761.51 ft

S: 92 MD: 8322.00 ft  
Inc: 90.23 deg Az:  
177.85 deg TVD:  
7762.48 ft



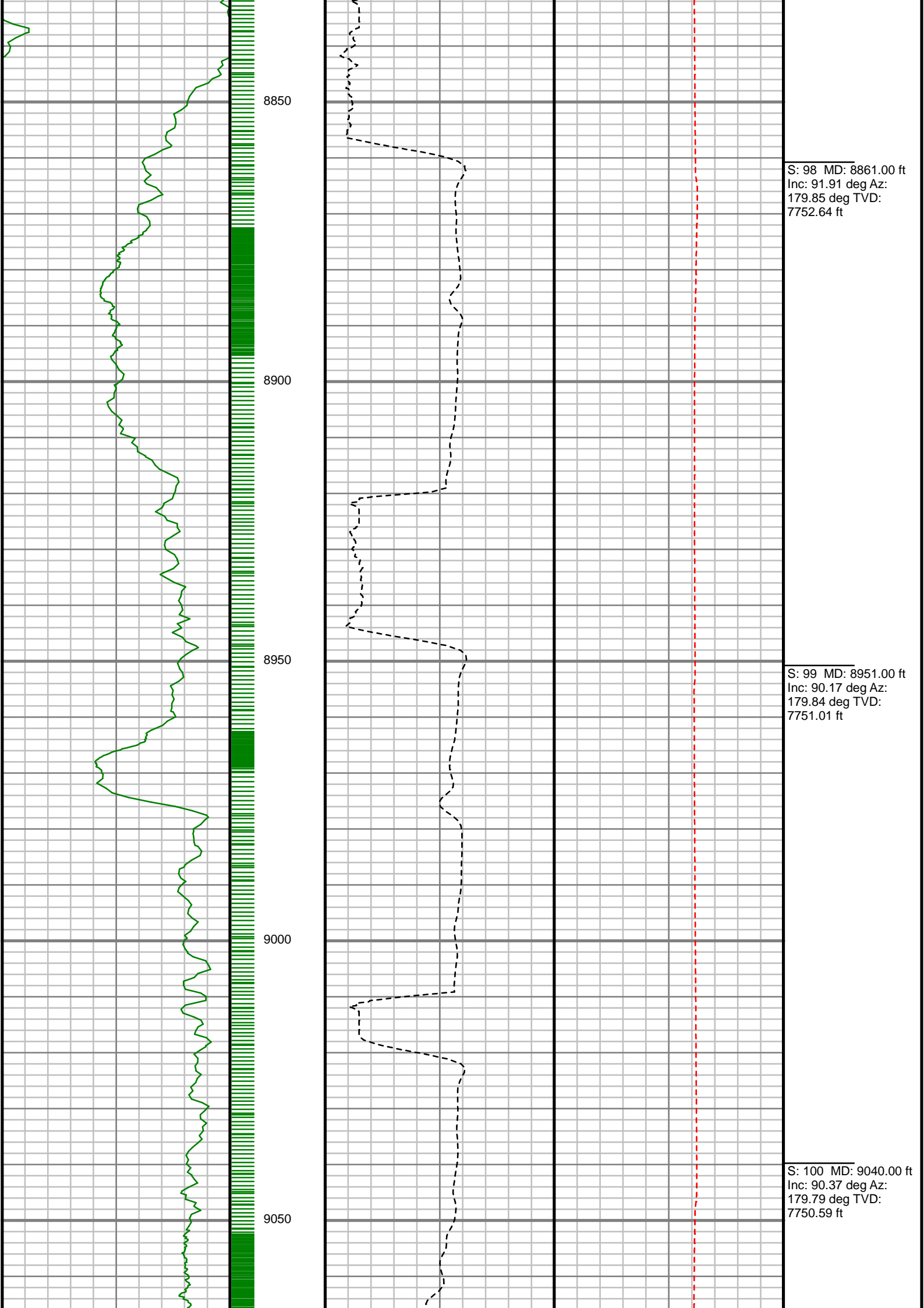


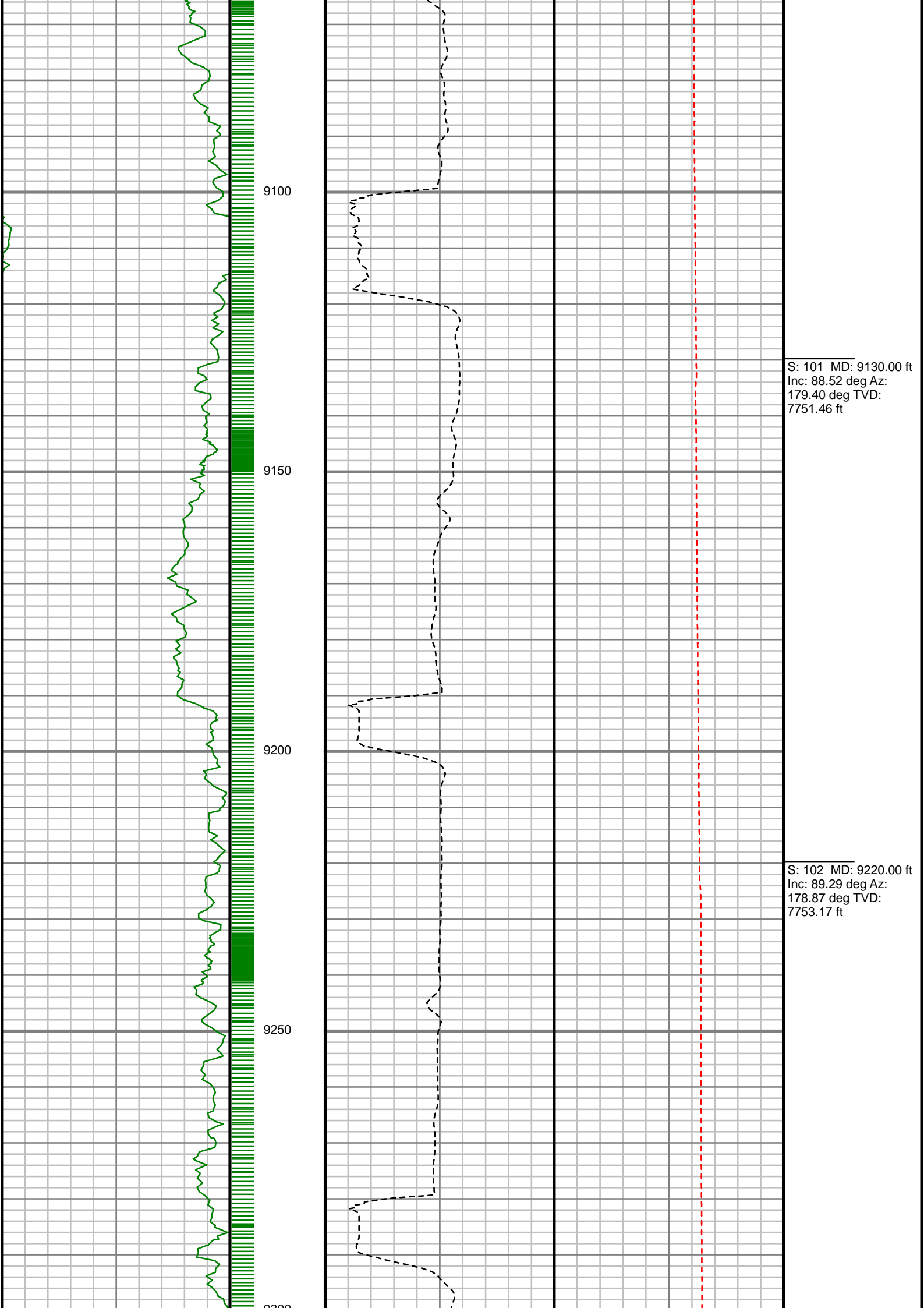


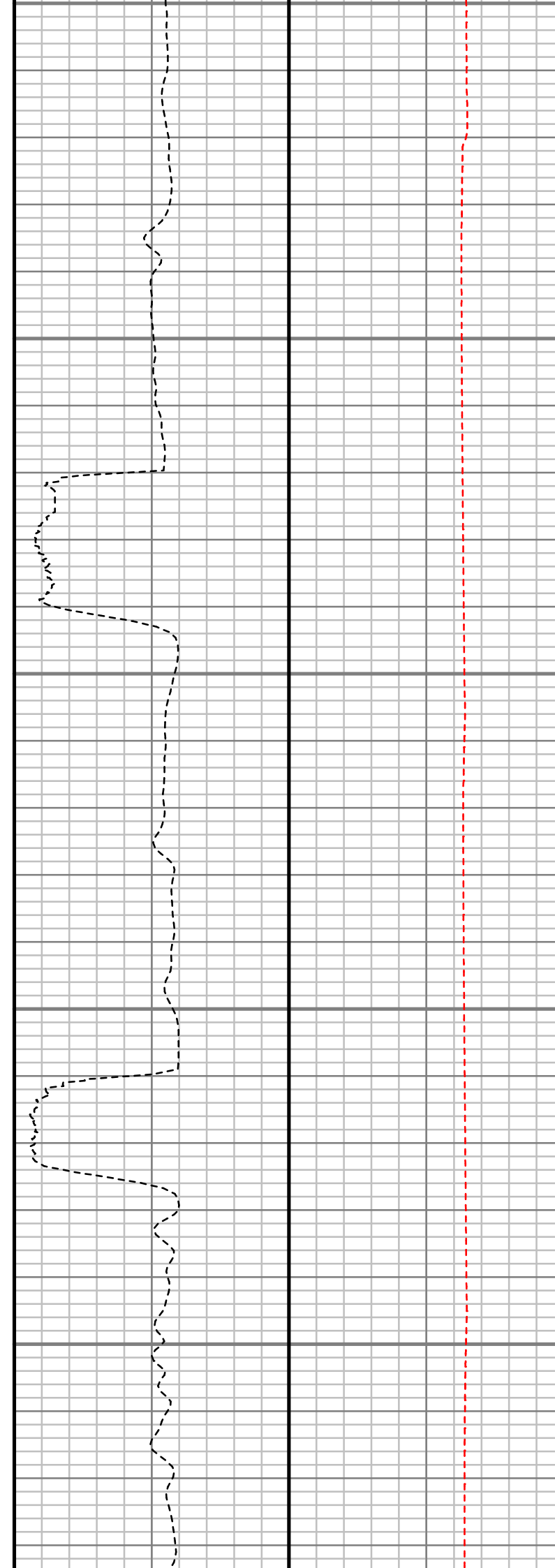
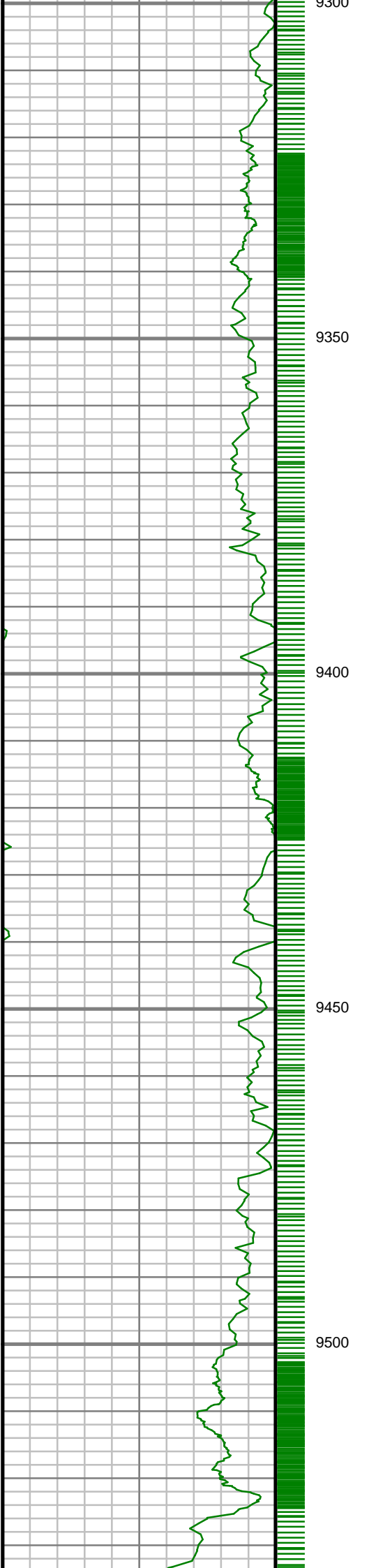
178.26 deg TVD:  
7760.53 ft

S: 96 MD: 8681.00 ft  
Inc: 91.48 deg Az:  
179.02 deg TVD:  
7758.20 ft

S: 97 MD: 8771.00 ft  
Inc: 91.85 deg Az:  
178.34 deg TVD:  
7755.59 ft



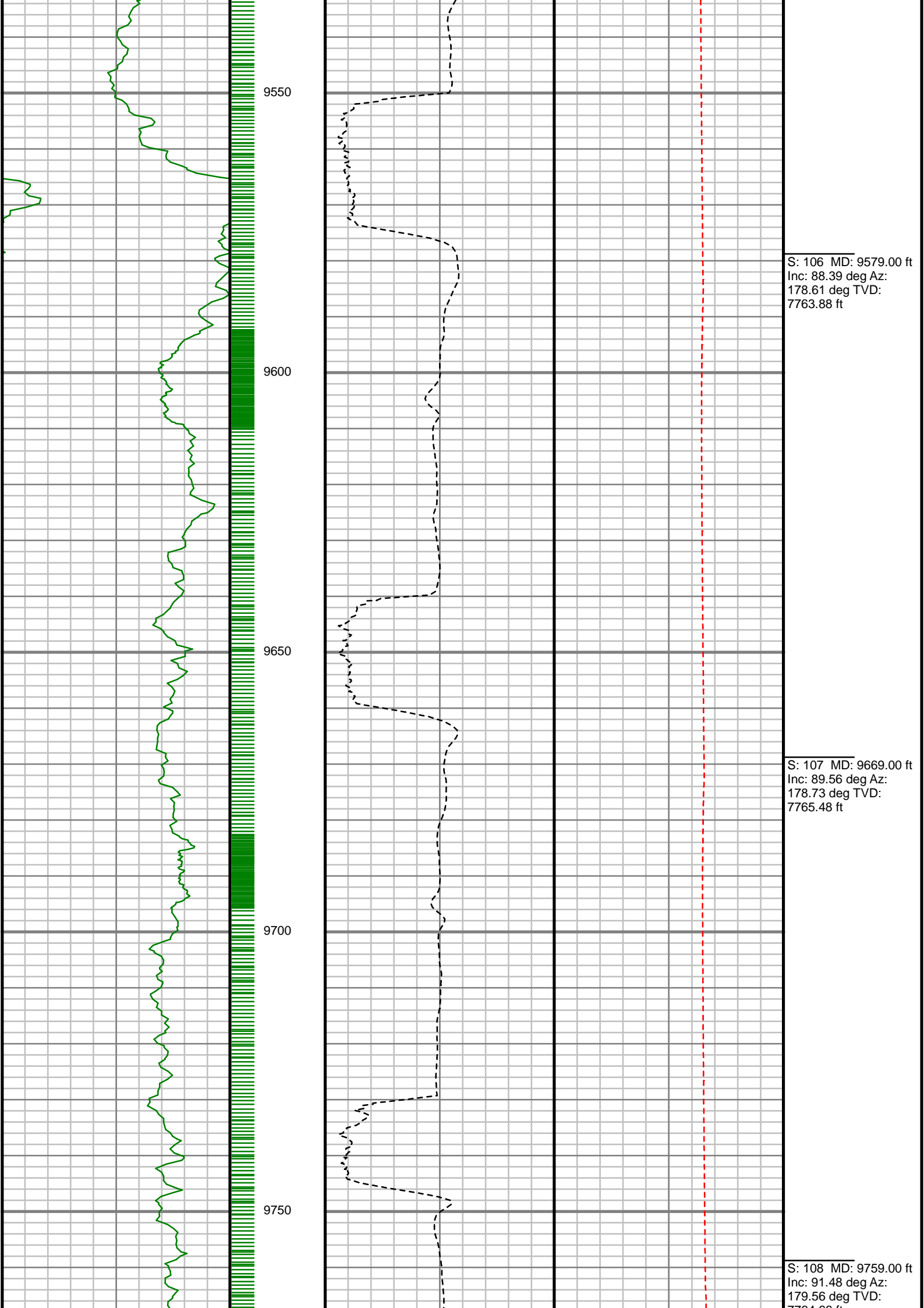


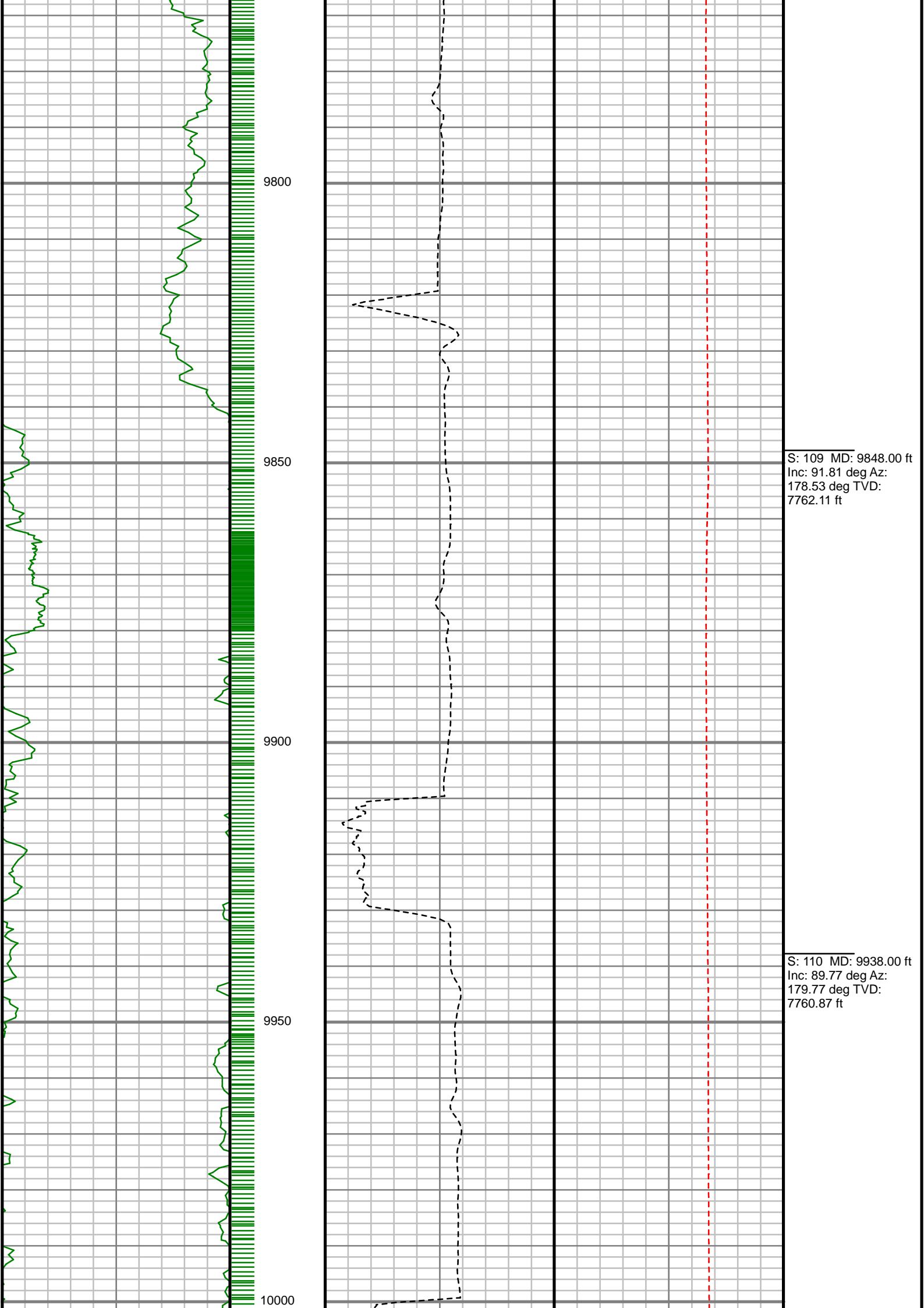


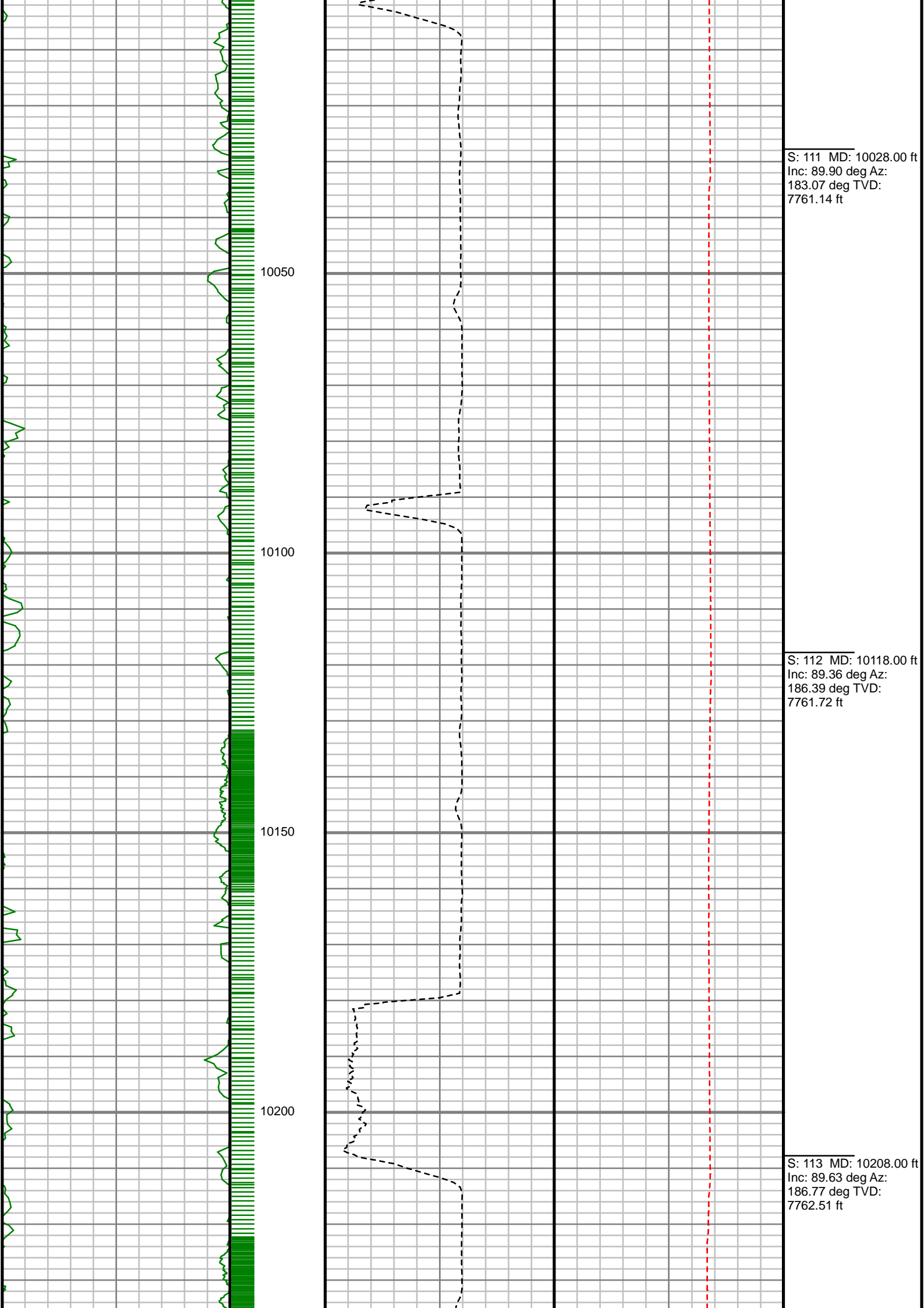
S: 103 MD: 9310.00 ft  
Inc: 90.44 deg Az:  
179.09 deg TVD:  
7753.38 ft

S: 104 MD: 9399.00 ft  
Inc: 87.49 deg Az:  
178.97 deg TVD:  
7755.00 ft

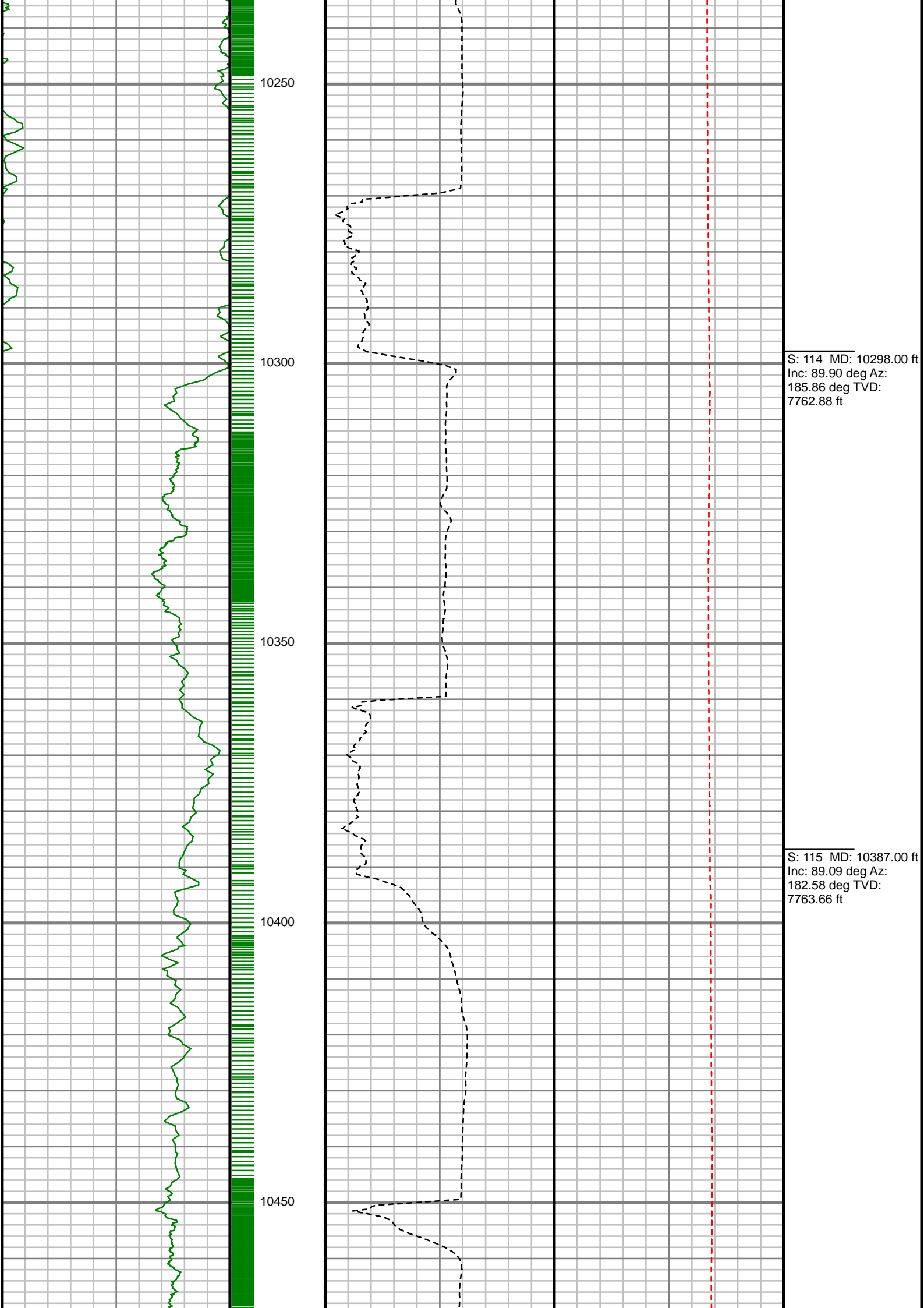
S: 105 MD: 9489.00 ft  
Inc: 86.41 deg Az:  
177.87 deg TVD:  
7759.79 ft

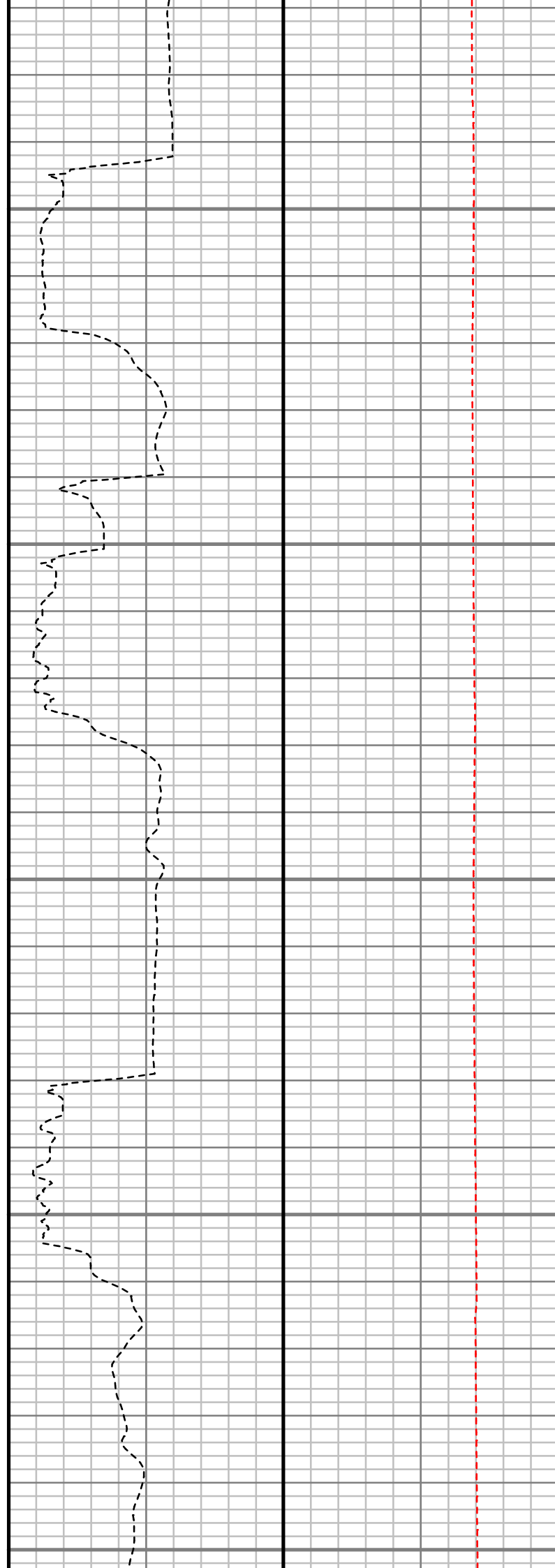
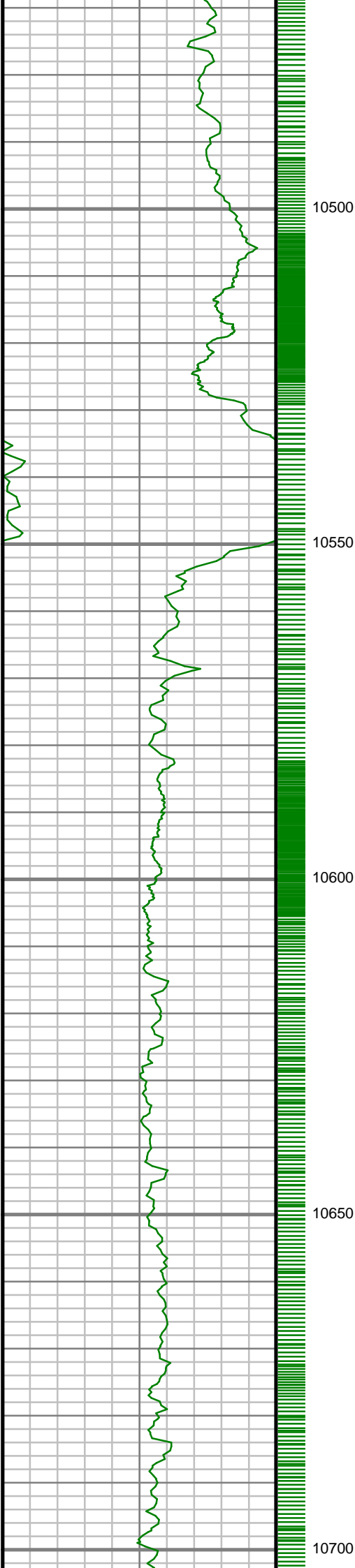






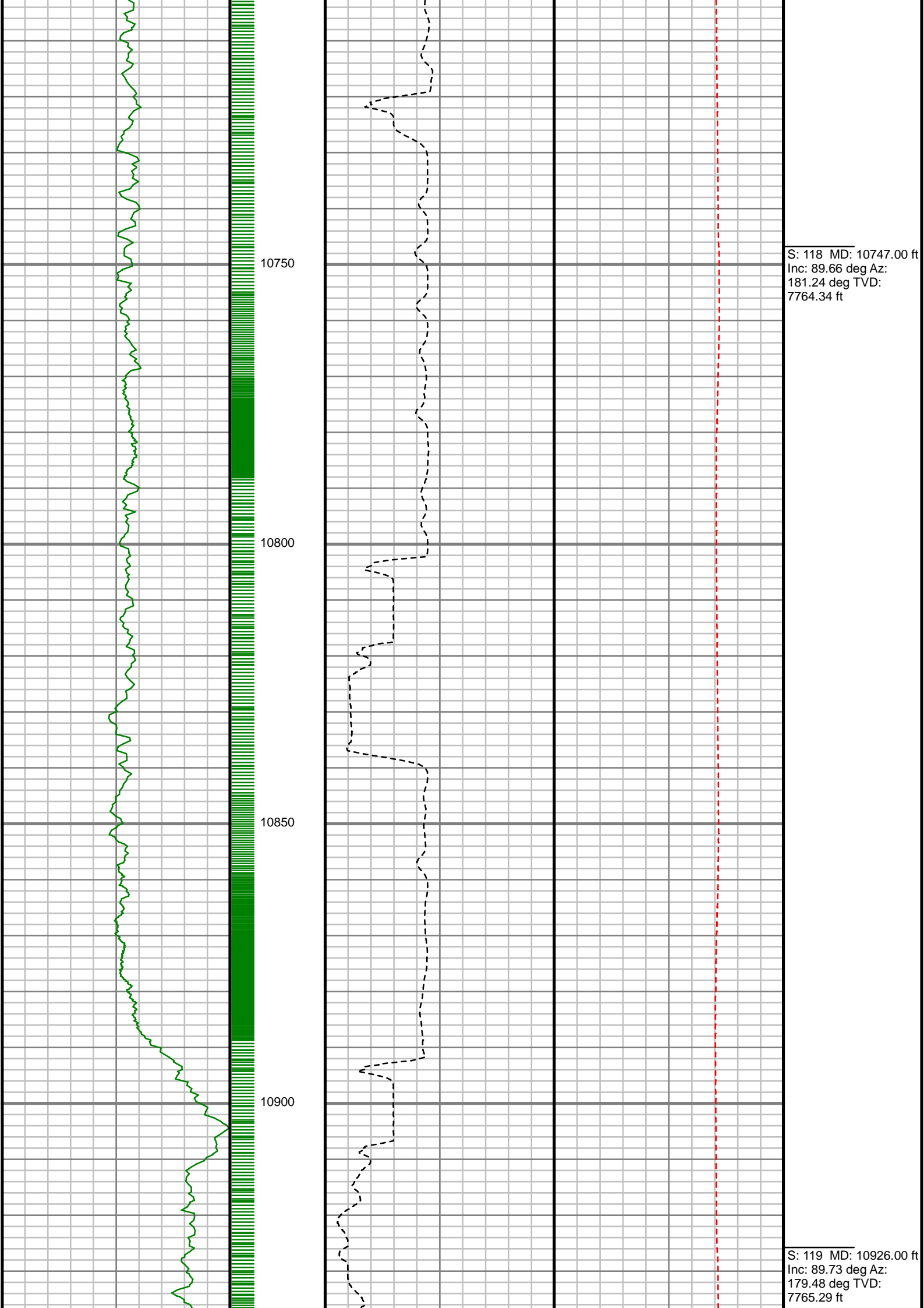


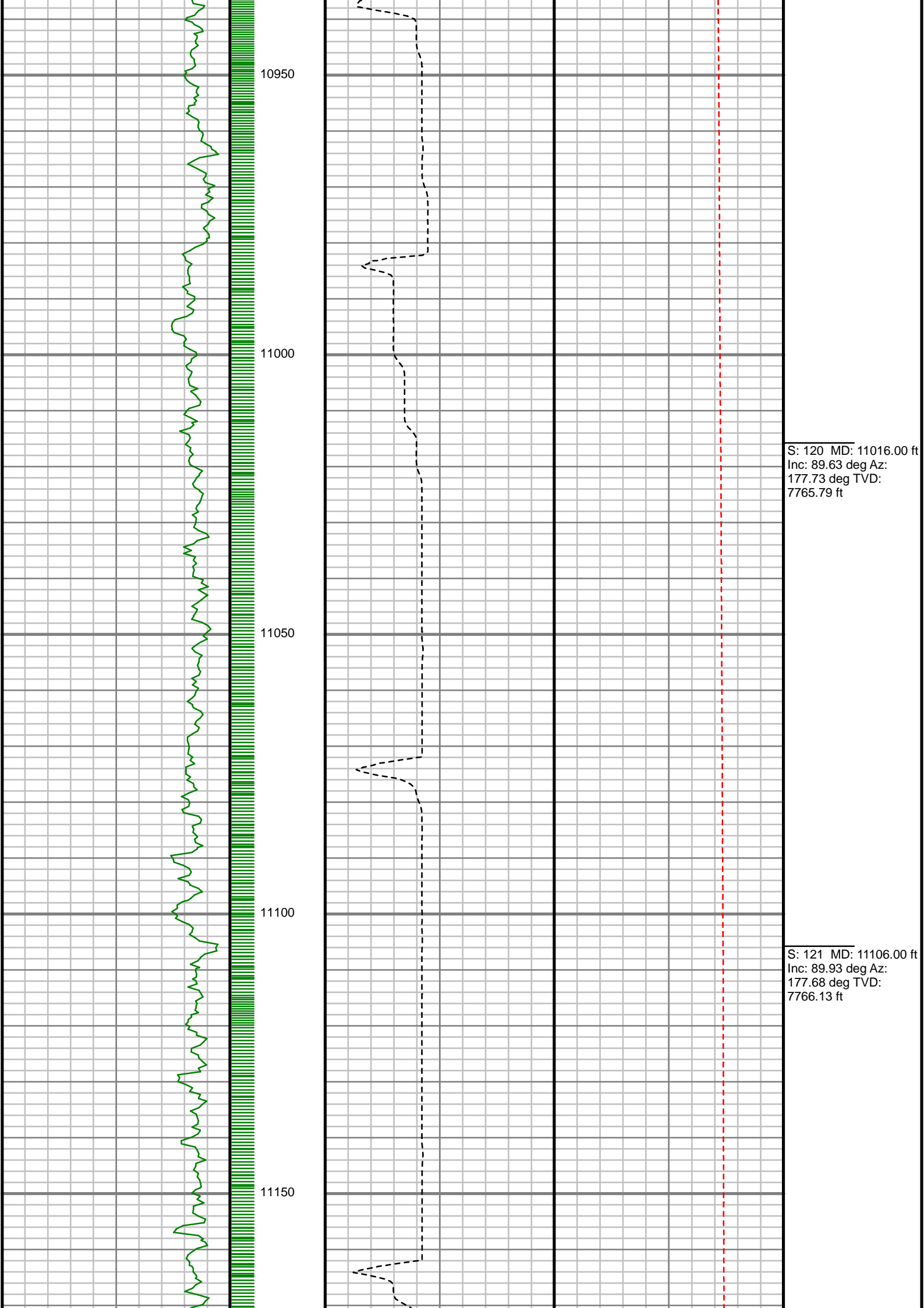


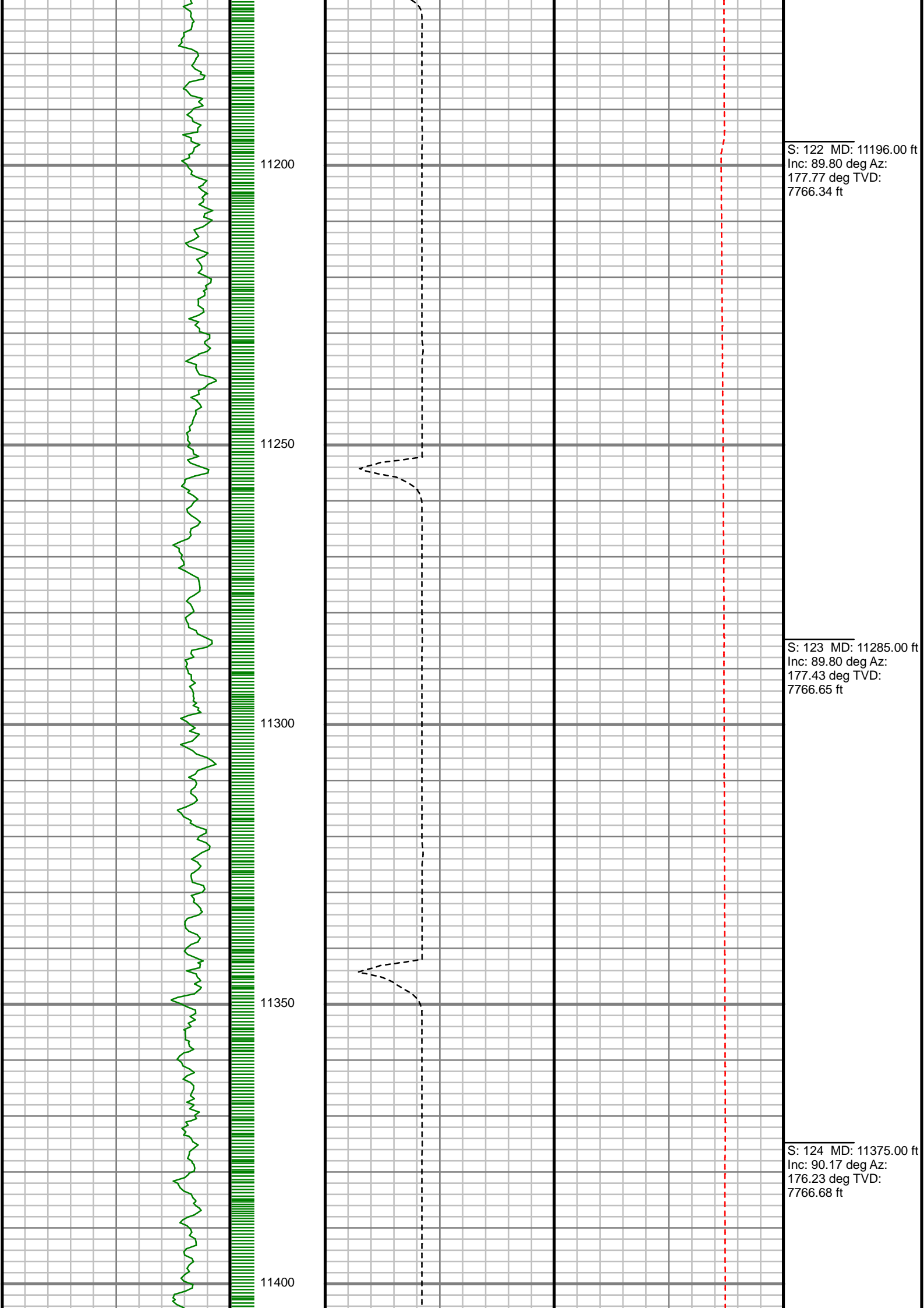


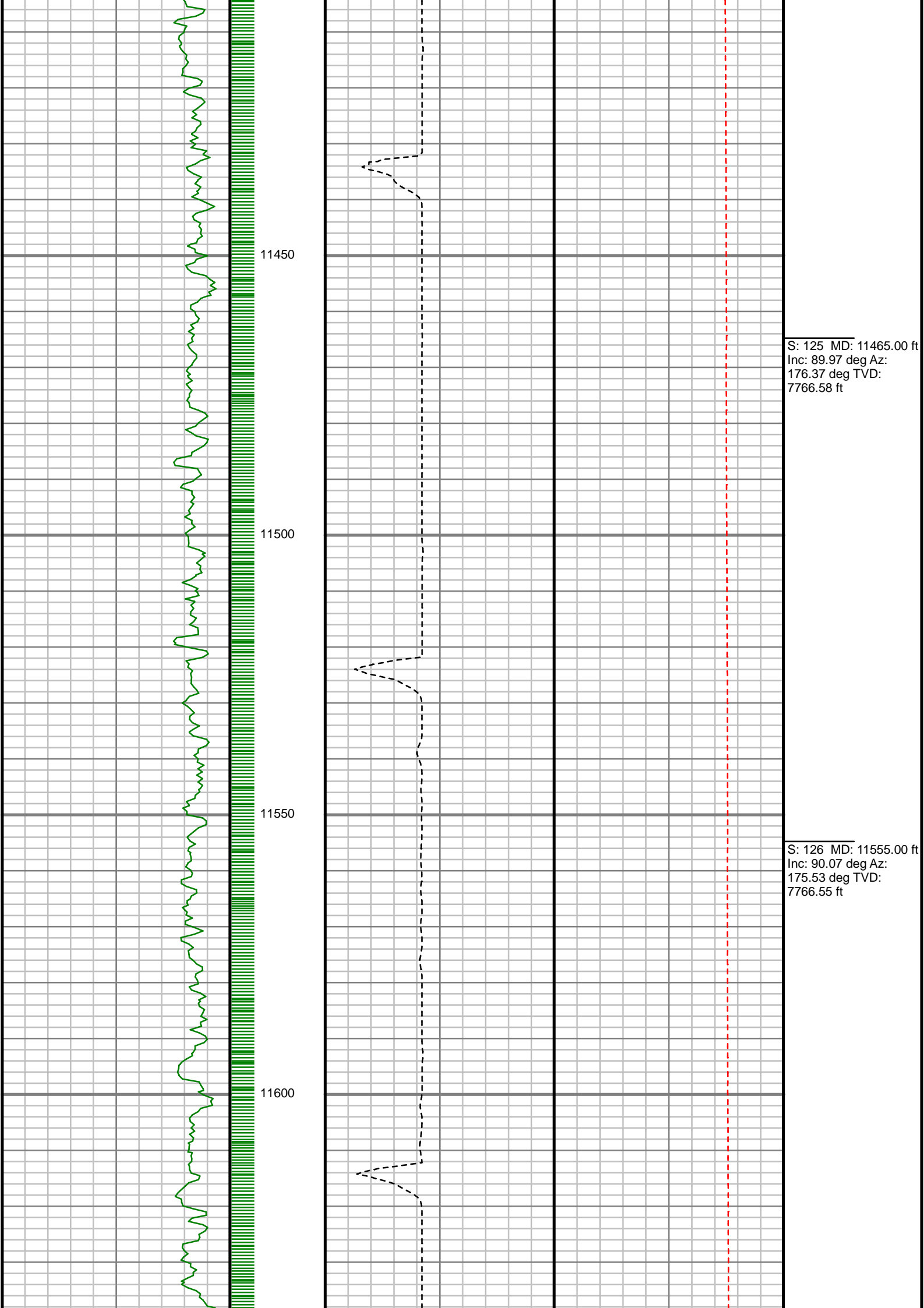
S: 116 MD: 10477.00 ft  
Inc: 90.10 deg Az:  
184.52 deg TVD:  
7764.29 ft

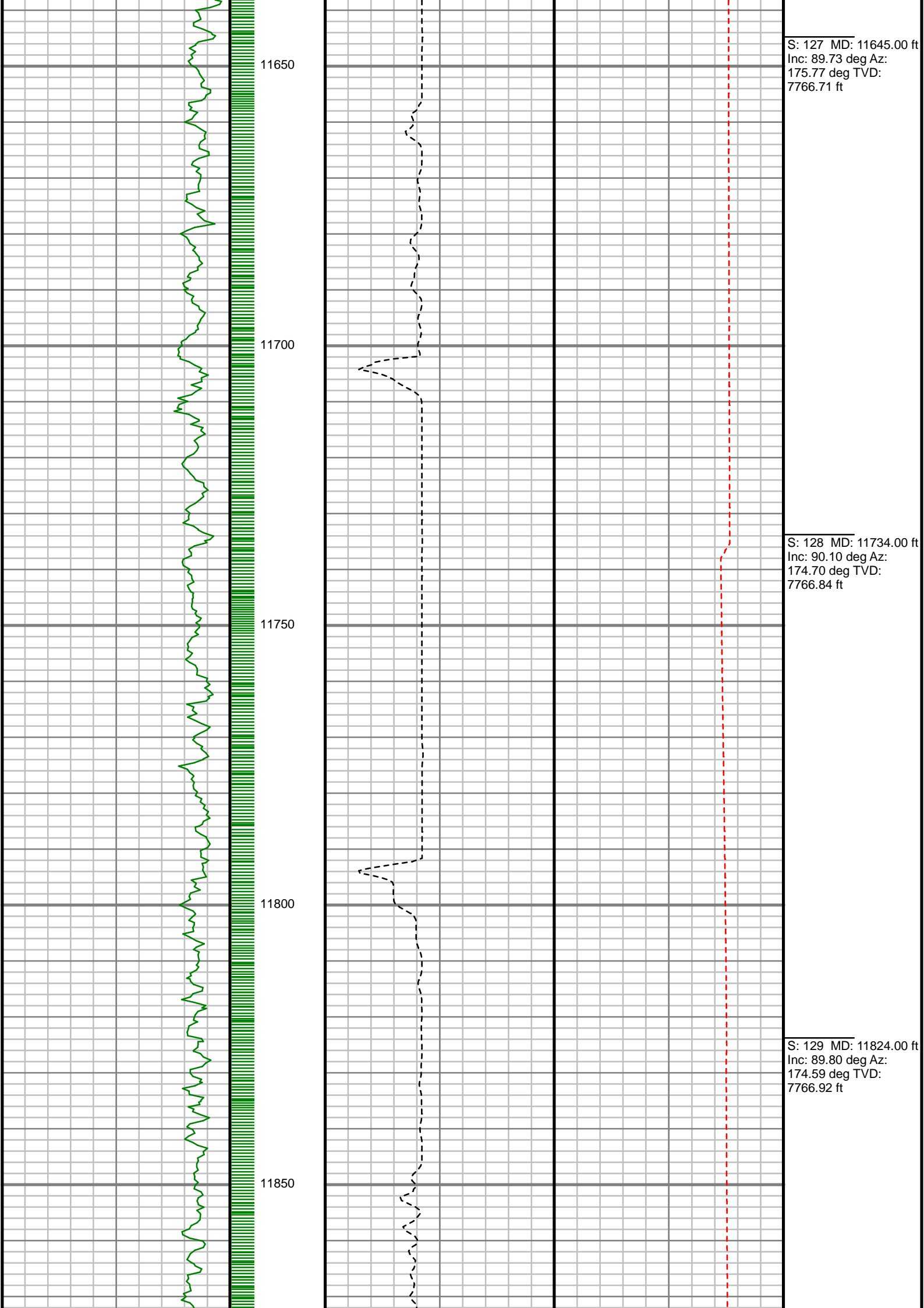
S: 117 MD: 10567.00 ft  
Inc: 90.17 deg Az:  
182.66 deg TVD:  
7764.08 ft

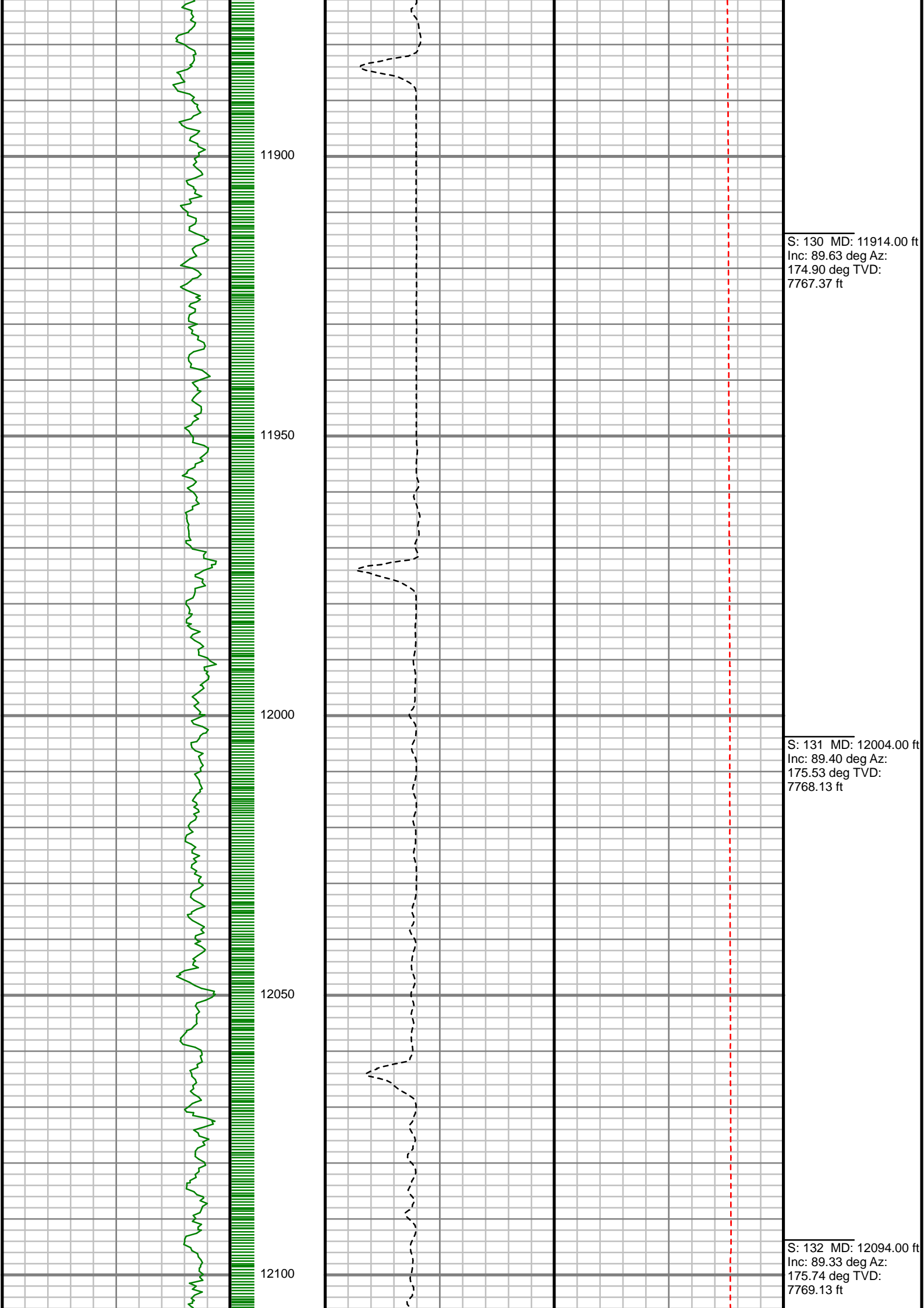




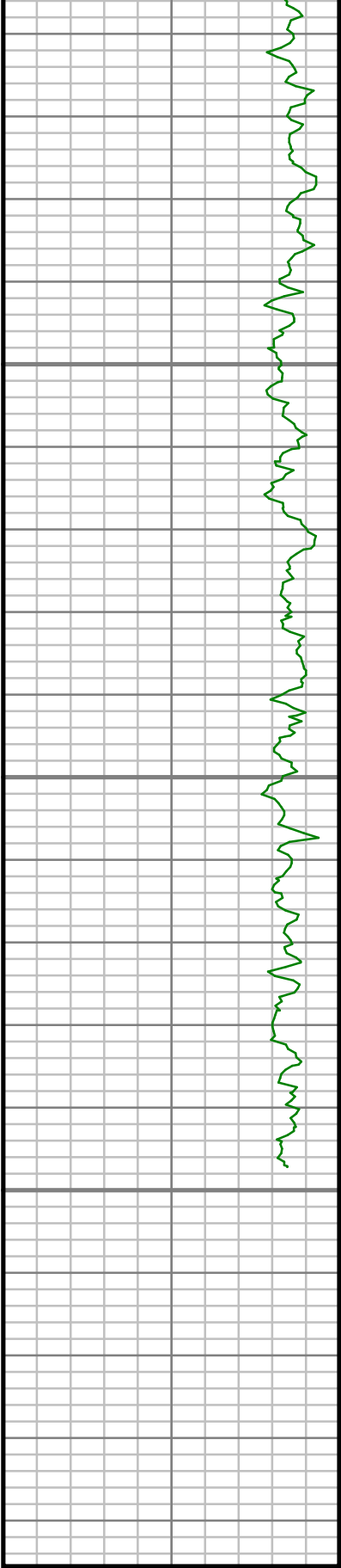




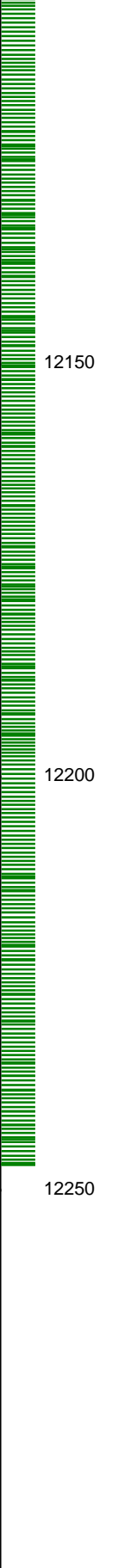




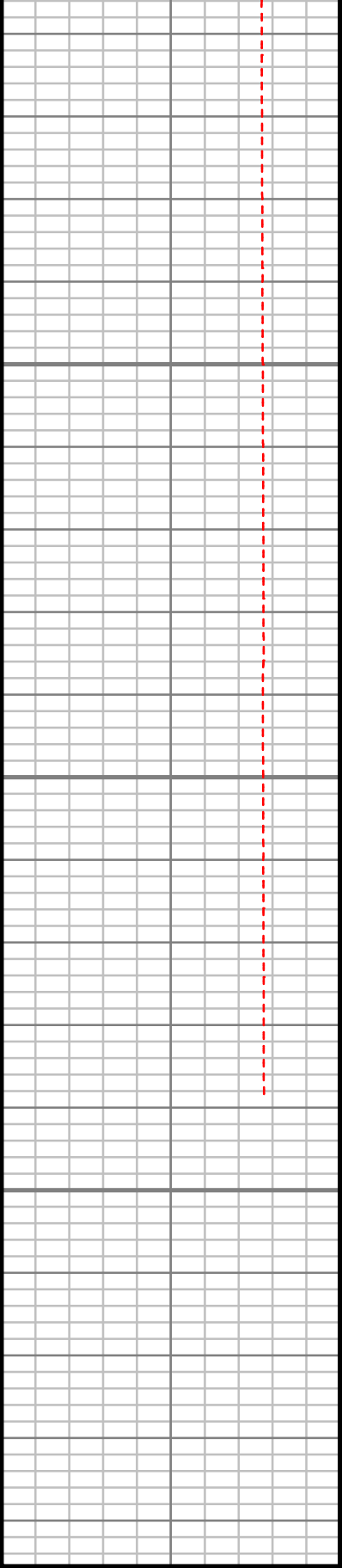




Gamma Ray (GR)		
0	Unit = aapi	150



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



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

S: 133 MD: 12183.00 ft  
Inc: 89.97 deg Az:  
174.94 deg TVD:  
7769.68 ft

Comments
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<b>Well Location</b>	BUFFALO & BADGER 4C-15HZ PAD
<b>Well Name</b>	BUFFALO 13N-15HZ
<b>Survey Date</b>	5/7/2015
<b>Latitude</b>	40°3'26.420"N
<b>Longitude</b>	104°59'44.920"W
<b>Btotal</b>	52582, 52622, 52666 nT
<b>Dip</b>	66.50, 66.53 deg
<b>Magnetic Declination</b>	8.59, 8.61, 8.63 deg
<b>North Reference</b>	True North
<b>Grid Correction</b>	None
<b>Depth Reference</b>	RKB (20.00 ft)
<b>Calculation Method</b>	Minimum Curvature
<b>Section (VS) Ref</b>	0.00N (ft), 0.00E (ft), 178.80Azim (deg)
<b>Operator(s)</b>	C. COLLINS, H. ORAHOOD

<b>Well Notes</b>
SURVEYS FROM 0 FT. TO 1287 FT. WERE ACQUIRED BY CATHEDRAL MWD.
SURVEYS FROM 1391 FT. TO 12183 FT. WERE ACQUIRED BY SCIENTIFIC DRILLING INTERNATIONAL MWD.

<b>MD</b>	<b>Inc</b>	<b>Azim</b>	<b>TVD</b>	<b>VS</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>DLS</b>	<b>Course Length</b>
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	Invalid
14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	14.00
66.00	0.10	46.70	66.00	-0.03	0.03	0.03	0.19	52.00
176.00	0.30	278.50	176.00	-0.14	0.14	-0.18	0.34	110.00
256.00	0.20	260.70	256.00	-0.16	0.15	-0.53	0.16	80.00
336.00	0.30	238.40	336.00	-0.03	0.02	-0.84	0.17	80.00
416.00	0.30	278.50	416.00	0.04	-0.06	-1.23	0.26	80.00
496.00	0.60	266.70	495.99	0.02	-0.06	-1.85	0.39	80.00
576.00	0.50	248.10	575.99	0.16	-0.21	-2.60	0.25	80.00
656.00	0.40	254.90	655.99	0.35	-0.41	-3.19	0.14	80.00
736.00	0.00	0.00	735.99	0.41	-0.49	-3.46	0.50	80.00
816.00	0.20	110.20	815.99	0.46	-0.53	-3.33	0.25	80.00
896.00	0.30	77.30	895.99	0.47	-0.54	-2.99	0.21	80.00
976.00	0.40	84.30	975.99	0.41	-0.46	-2.51	0.14	80.00
1056.00	0.20	98.50	1055.98	0.41	-0.46	-2.09	0.26	80.00
1216.00	0.50	82.30	1215.98	0.38	-0.40	-1.13	0.20	160.00
1287.00	0.30	126.50	1286.98	0.46	-0.47	-0.67	0.50	71.00
1391.00	3.23	15.19	1390.93	-2.19	2.20	0.32	3.22	104.00
1481.00	4.88	357.69	1480.70	-8.45	8.47	0.83	2.27	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
1571.00	5.95	338.27	1570.30	-16.65	16.63	-1.05	2.34	90.00
1660.00	7.04	327.39	1658.74	-25.63	25.51	-5.70	1.84	89.00
1750.00	9.75	326.71	1747.76	-36.79	36.53	-12.86	3.01	90.00
1840.00	12.49	324.62	1836.07	-51.30	50.84	-22.68	3.08	90.00
1930.00	12.12	322.63	1924.00	-66.98	66.28	-34.05	0.62	90.00
2020.00	11.92	322.79	2012.02	-82.13	81.20	-45.40	0.23	90.00
2109.00	11.80	322.10	2099.12	-96.86	95.69	-56.55	0.21	89.00
2199.00	11.69	331.10	2187.25	-112.31	110.94	-66.61	2.04	90.00
2289.00	11.33	330.17	2275.44	-128.15	126.60	-75.42	0.45	90.00
2379.00	10.83	328.54	2363.76	-143.21	141.48	-84.23	0.66	90.00
2468.00	10.59	331.93	2451.21	-157.73	155.82	-92.44	0.76	89.00
2558.00	10.16	332.20	2539.74	-172.20	170.14	-100.04	0.49	90.00
2648.00	9.76	331.43	2628.38	-186.07	183.86	-107.39	0.46	90.00
2738.00	10.62	341.75	2716.97	-200.78	198.44	-113.63	2.24	90.00
2828.00	10.50	341.75	2805.44	-216.55	214.11	-118.80	0.13	90.00
2917.00	9.78	340.41	2893.05	-231.48	228.93	-123.87	0.85	89.00
3007.00	9.90	340.76	2981.73	-246.08	243.43	-128.98	0.15	90.00
3097.00	9.44	334.90	3070.45	-260.18	257.42	-134.66	1.20	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
3187.00	8.59	336.20	3159.34	-273.14	270.25	-140.51	0.98	90.00
3276.00	9.63	324.36	3247.23	-285.41	282.38	-147.53	2.41	89.00
3366.00	8.97	321.99	3336.04	-297.24	294.03	-156.24	0.86	90.00
3456.00	9.74	327.83	3424.85	-309.38	306.00	-164.61	1.36	90.00
3546.00	9.44	329.03	3513.59	-322.31	318.77	-172.46	0.39	90.00
3636.00	8.52	328.90	3602.49	-334.50	330.81	-179.70	1.02	90.00
3725.00	9.85	333.59	3690.34	-347.11	343.28	-186.50	1.72	89.00
3815.00	8.82	335.59	3779.15	-360.42	356.46	-192.77	1.21	90.00
3905.00	7.61	332.45	3868.22	-372.10	368.03	-198.38	1.43	90.00
3995.00	5.93	323.24	3957.60	-381.22	377.04	-203.92	2.22	90.00
4085.00	3.86	308.35	4047.27	-386.93	382.64	-209.07	2.68	90.00
4174.00	2.93	275.84	4136.12	-389.12	384.73	-213.69	2.36	89.00
4264.00	1.14	270.09	4226.06	-389.42	384.96	-216.88	2.00	90.00
4354.00	1.38	141.55	4316.05	-388.58	384.12	-217.10	2.52	90.00
4444.00	1.28	166.46	4406.02	-386.74	382.30	-216.19	0.65	90.00
4533.00	1.54	176.80	4495.00	-384.58	380.14	-215.89	0.41	89.00
4623.00	1.61	188.31	4584.96	-382.12	377.68	-216.01	0.36	90.00
4713.00	1.41	182.99	4674.93	-379.77	375.33	-216.25	0.27	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
4892.00	1.43	211.44	4853.88	-375.70	371.22	-217.53	0.39	179.00
4982.00	1.47	212.68	4943.85	-373.79	369.29	-218.74	0.06	90.00
5072.00	1.25	247.30	5033.83	-372.47	367.94	-220.27	0.93	90.00
5162.00	1.38	259.30	5123.80	-371.93	367.36	-222.25	0.34	90.00
5251.00	1.81	262.34	5212.77	-371.60	366.97	-224.70	0.49	89.00
5341.00	1.26	342.69	5302.74	-372.39	367.73	-226.40	2.25	90.00
5521.00	2.03	357.35	5482.67	-377.47	372.80	-227.14	0.48	180.00
5611.00	1.66	346.40	5572.62	-380.34	375.65	-227.52	0.56	90.00
5700.00	1.37	329.94	5661.59	-382.52	377.83	-228.35	0.58	89.00
5790.00	1.56	326.68	5751.56	-384.50	379.78	-229.57	0.23	90.00
5880.00	1.02	51.93	5841.55	-386.02	381.30	-229.61	1.99	90.00
5970.00	1.23	70.10	5931.53	-386.82	382.12	-228.06	0.46	90.00
6060.00	1.14	71.28	6021.51	-387.40	382.74	-226.30	0.10	90.00
6150.00	1.08	37.29	6111.49	-388.33	383.70	-224.94	0.72	90.00
6239.00	1.15	18.69	6200.48	-389.83	385.22	-224.14	0.41	89.00
6329.00	0.42	119.23	6290.47	-390.51	385.91	-223.57	1.44	90.00
6419.00	0.54	125.15	6380.47	-390.09	385.51	-222.94	0.15	90.00
6509.00	0.57	354.23	6470.47	-390.29	385.71	-222.63	1.13	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
6599.00	0.61	309.68	6560.46	-391.05	386.46	-223.05	0.50	90.00
6688.00	1.27	327.60	6649.45	-392.20	387.60	-223.94	0.81	89.00
6778.00	1.51	317.33	6739.42	-393.95	389.31	-225.28	0.38	90.00
6868.00	1.38	20.81	6829.40	-395.84	391.20	-225.70	1.70	90.00
6958.00	0.23	69.85	6919.39	-396.91	392.28	-225.15	1.38	90.00
7048.00	1.11	178.12	7009.38	-396.09	391.47	-224.95	1.33	90.00
7137.00	5.36	165.59	7098.22	-391.18	386.58	-223.89	4.81	89.00
7227.00	11.51	159.81	7187.21	-378.59	374.07	-219.74	6.89	90.00
7317.00	17.81	160.37	7274.23	-357.02	352.66	-212.01	7.01	90.00
7407.00	24.02	168.46	7358.28	-325.90	321.71	-203.71	7.59	90.00
7496.00	34.33	171.05	7435.89	-283.10	279.05	-196.16	11.67	89.00
7586.00	39.17	169.71	7507.98	-229.85	225.98	-187.13	5.45	90.00
7676.00	46.39	174.15	7574.01	-169.21	165.51	-178.72	8.69	90.00
7766.00	57.74	177.18	7629.25	-98.46	94.84	-173.50	12.89	90.00
7855.00	64.87	177.93	7671.95	-20.45	16.89	-170.19	8.04	89.00
7945.00	71.03	176.79	7705.73	62.89	-66.39	-166.32	6.94	90.00
8035.00	75.18	176.70	7731.88	148.93	-152.35	-161.44	4.62	90.00
8108.00	79.14	177.52	7748.10	220.06	-223.42	-157.85	5.53	73.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
8233.00	88.52	178.48	7761.51	344.19	-347.48	-153.52	7.54	125.00
8322.00	90.23	177.85	7762.48	433.17	-436.42	-150.67	2.05	89.00
8412.00	89.83	178.83	7762.42	523.17	-526.38	-148.07	1.18	90.00
8502.00	90.54	178.84	7762.13	613.17	-616.37	-146.24	0.78	90.00
8592.00	91.51	178.26	7760.53	703.15	-706.32	-143.96	1.26	90.00
8681.00	91.48	179.02	7758.20	792.12	-795.26	-141.85	0.86	89.00
8771.00	91.85	178.34	7755.59	882.08	-885.20	-139.78	0.85	90.00
8861.00	91.91	179.85	7752.64	972.03	-975.14	-138.36	1.68	90.00
8951.00	90.17	179.84	7751.01	1061.99	-1065.12	-138.12	1.94	90.00
9040.00	90.37	179.79	7750.59	1150.98	-1154.12	-137.84	0.23	89.00
9130.00	88.52	179.40	7751.46	1240.96	-1244.11	-137.20	2.10	90.00
9220.00	89.29	178.87	7753.17	1330.94	-1334.08	-135.84	1.04	90.00
9310.00	90.44	179.09	7753.38	1420.94	-1424.07	-134.25	1.29	90.00
9399.00	87.49	178.97	7755.00	1509.92	-1513.03	-132.75	3.32	89.00
9489.00	86.41	177.87	7759.79	1599.78	-1602.86	-130.28	1.71	90.00
9579.00	88.39	178.61	7763.88	1689.68	-1692.72	-127.51	2.35	90.00
9669.00	89.56	178.73	7765.48	1779.67	-1782.68	-125.43	1.31	90.00
9759.00	91.48	179.56	7764.66	1869.66	-1872.66	-124.09	2.31	90.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
9848.00	91.81	178.53	7762.11	1958.62	-1961.61	-122.61	1.22	89.00
9938.00	89.77	179.77	7760.87	2048.60	-2051.59	-121.28	2.66	90.00
10028.00	89.90	183.07	7761.14	2138.49	-2141.55	-123.51	3.66	90.00
10118.00	89.36	186.39	7761.72	2228.00	-2231.23	-130.92	3.74	90.00
10208.00	89.63	186.77	7762.51	2317.17	-2320.63	-141.23	0.52	90.00
10298.00	89.90	185.86	7762.88	2406.39	-2410.08	-151.13	1.05	90.00
10387.00	89.09	182.58	7763.66	2494.98	-2498.83	-157.68	3.80	89.00
10477.00	90.10	184.52	7764.29	2584.66	-2588.65	-163.25	2.42	90.00
10567.00	90.17	182.66	7764.08	2674.34	-2678.47	-168.88	2.07	90.00
10747.00	89.66	181.24	7764.34	2854.07	-2858.36	-175.00	0.83	180.00
10926.00	89.73	179.48	7765.29	3032.99	-3037.34	-176.13	0.99	179.00
11016.00	89.63	177.73	7765.79	3122.98	-3127.31	-173.93	1.95	90.00
11106.00	89.93	177.68	7766.13	3212.97	-3217.24	-170.33	0.34	90.00
11196.00	89.80	177.77	7766.34	3302.95	-3307.17	-166.76	0.18	90.00
11285.00	89.80	177.43	7766.65	3391.93	-3396.09	-163.03	0.38	89.00
11375.00	90.17	176.23	7766.68	3481.88	-3485.95	-158.06	1.39	90.00
11465.00	89.97	176.37	7766.58	3571.79	-3575.76	-152.25	0.27	90.00
11555.00	90.07	175.53	7766.55	3661.68	-3665.54	-145.90	0.94	90.00



5" = 100' FEET MD