



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC  
WELL : POWERS 14C-22HZ  
FIELD : WATTENBERG  
COUNTY : WELD  
STATE : COLORADO  
COUNTRY : U.S.A.  
UWI : 05-123-41905

COMPANY : ANADARKO E&P ONSHORE LLC

WELL : POWERS 14C-22HZ

FIELD : WATTENBERG

COUNTY : WELD

STATE : COLORADO

COUNTRY : U.S.A.

UWI : 05-123-41905

WELL LOCATION

LAT:40°7'45.595"N LONG:104°39'13.694"W  
N:14574017.78 ft E:1737186.12 ft

SEC:22

TWP: 2N

RANGE: 65W

OTHER SERVICES

DIRECTIONAL  
ROP

DEPTH REF. : RKB

REF. HEIGHT : 20.000 ft

RKB to Ground Level

GROUND LEVEL : 4883.000 ft

G.L. to MEAN SEA LEVEL

## BOREHOLE RECORD

## DEVIATION RECORD

HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft
12.25	0	1882	0 - 19	0	4164
8.5	1882	12796	19 - 0	4164	6516
			0 - 84	6516	7652
			84 - 92	7652	12796

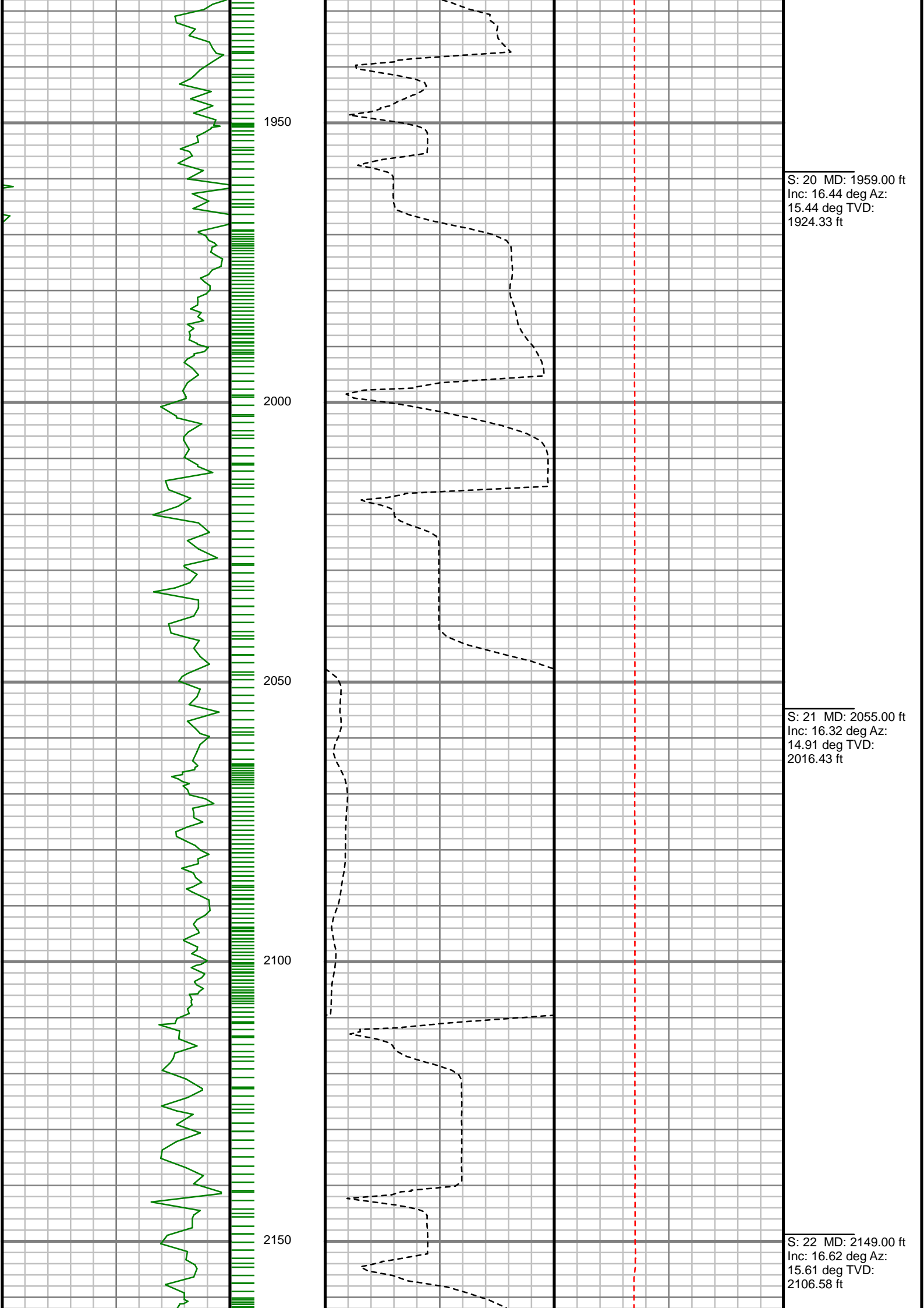
## CASING RECORD

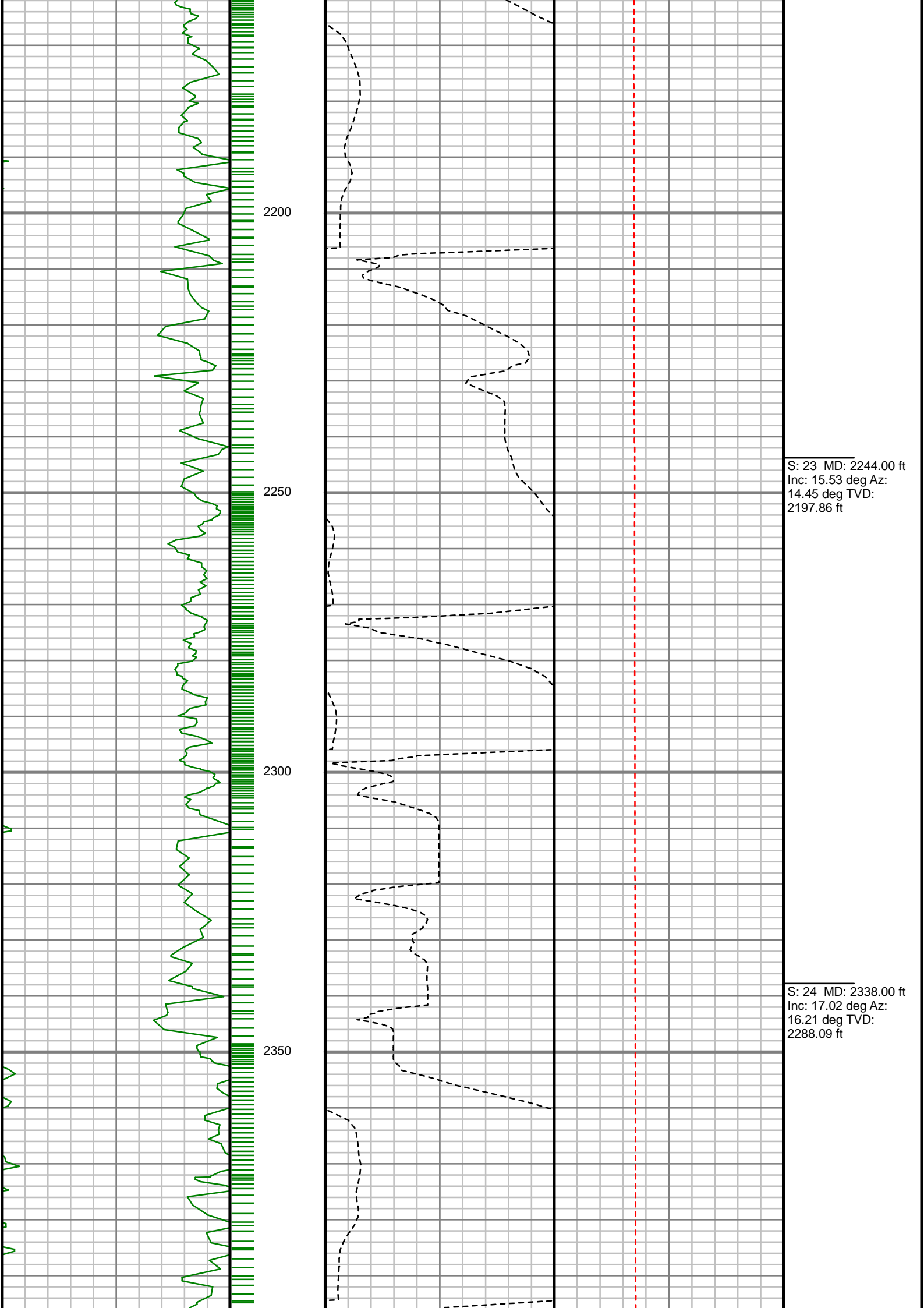
CASING SIZE in	FROM ft	TO ft			
9.625	0	1872			
			DRILLING CO. : PRECISION DRILLING		
			RIG : 461		
			LWD UNIT NO. : MWD-00282-CDISTRICT : CASPER		
			SPUD DATE : 08/20/2015		
			LWD START DATE : 09/21/2015	DEPTH : 1882 ft	
			LWD END DATE : 09/25/2015	DEPTH : 12796 ft	
			TOTAL DEPTH : 12796 ft		

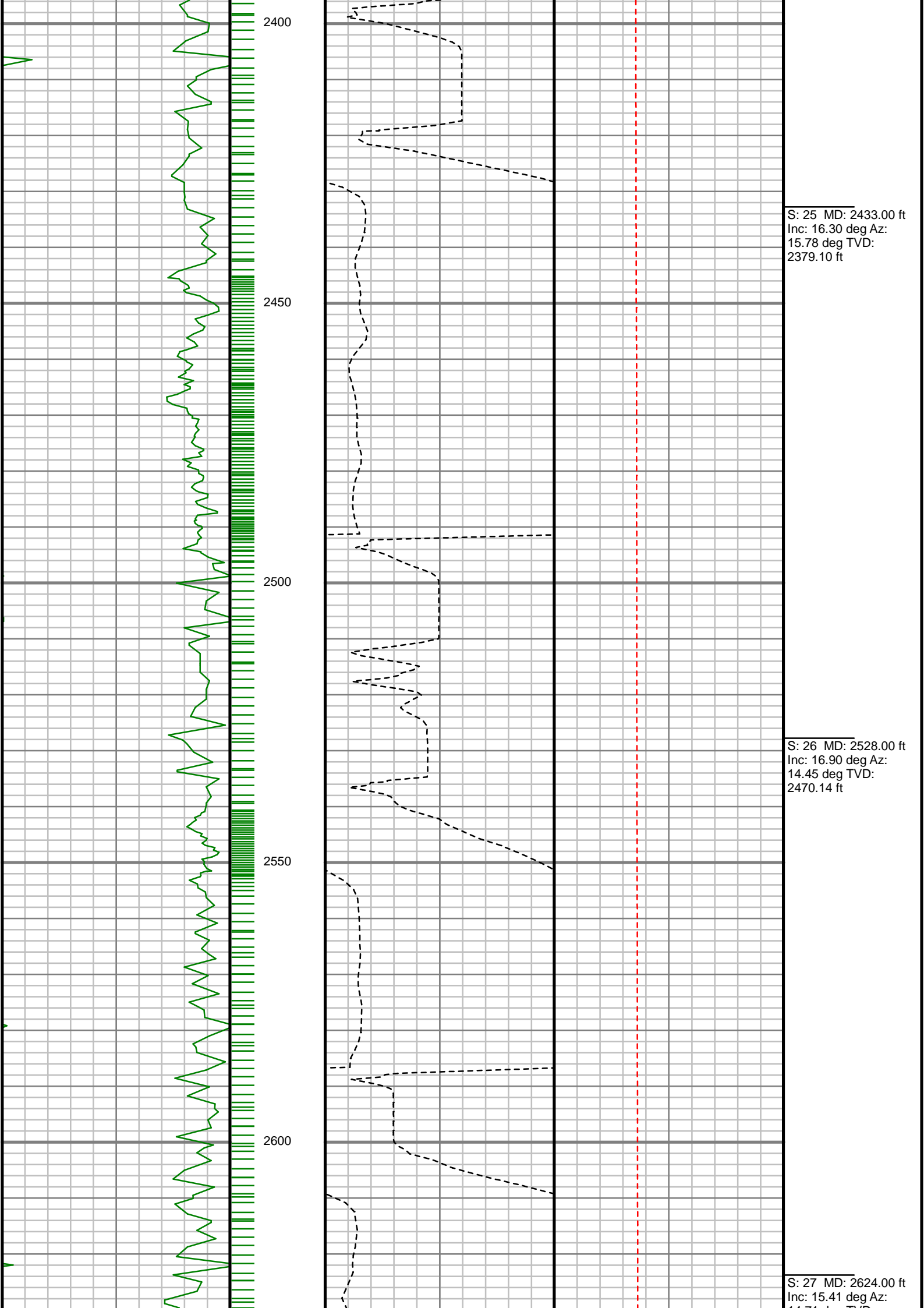
## Run Data

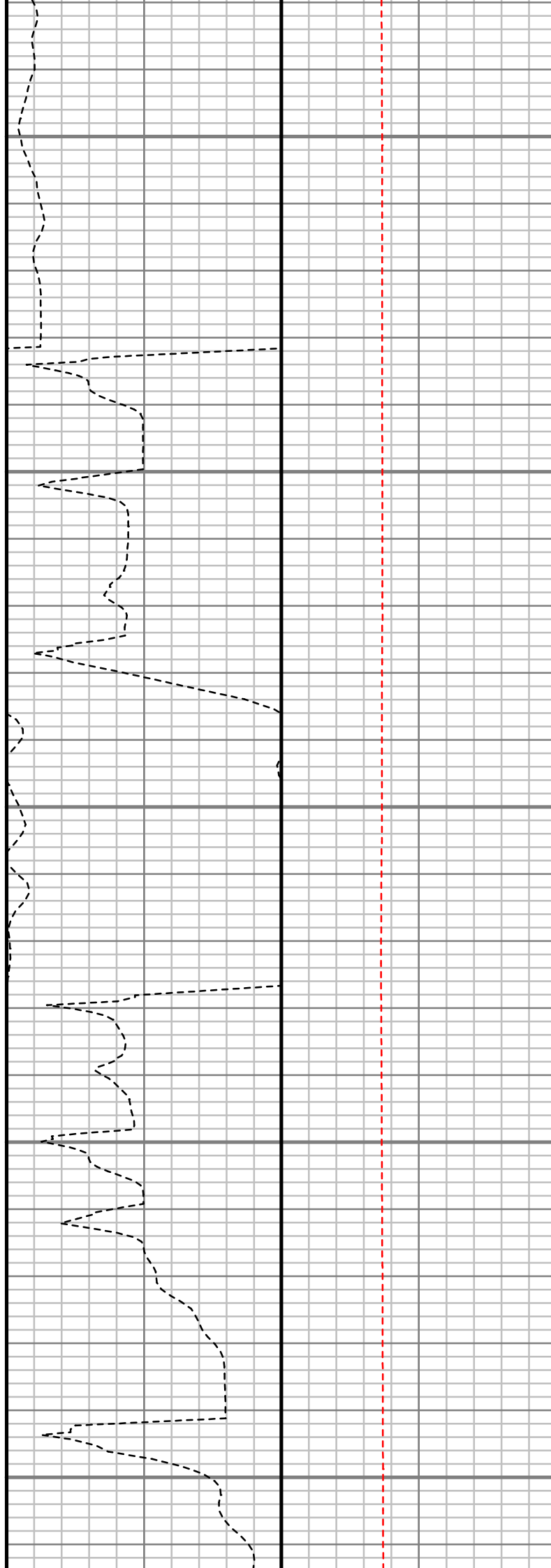
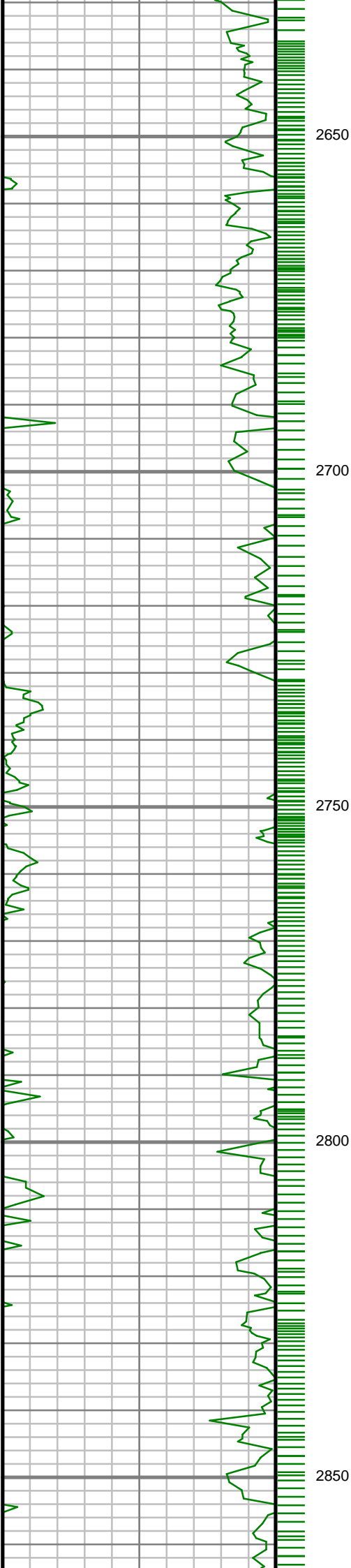
Run Data						
RUN NUMBER	1	2				
START DATE	09/21/2015	09/24/2015				
START TIME	1110	1015				
END DATE	09/24/2015	09/25/2015				
END TIME	0945	1400				
DEPTH IN (ft)	1882	11968				
DEPTH OUT (ft)	11968	12796				
LOG TOP (ft)	1854	11921				
LOG BOTTOM (ft)	11921	14749				
HOLE SIZE (in)	8.5	8.5				
MUD DATA @ (ft)	2400	11488				
MUD TYPE	OIL-BASED	OIL-BASED				
DENSITY (lb / gal)	9.2	9.4				
VISCOSITY (s / qt)	63	64				
pH	-	-				
FLUID LOSS (cm <sup>3</sup> / 30)	3.8	3.6				
SALINITY (ppm)	58000	58000				
Rm (ohmm @ deg F)	-	-				
Rmf (ohmm @ deg F)	-	-				
MAX TEMP (deg F)	222	222				
Rm @ MAX TEMP (ohmm)	-	-				
LWD ENGINEER #1	H. ORAHOOD	H. ORAHOOD				
LWD ENGINEER #2	S. WAXLER	B. GREER				
LWD ENGINEER #3	B. GREER	-				
LOG WITNESS #1	I. HARRIS	R. CANNON				
LOG WITNESS #2	R. CANNON	-				







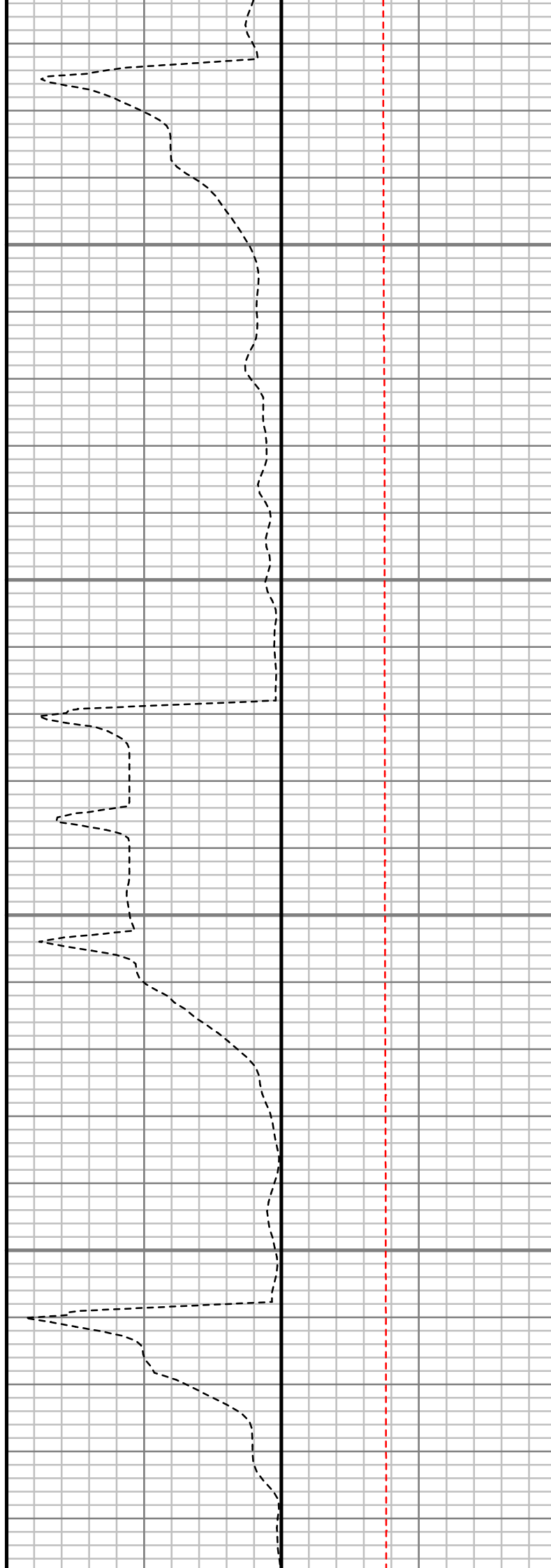
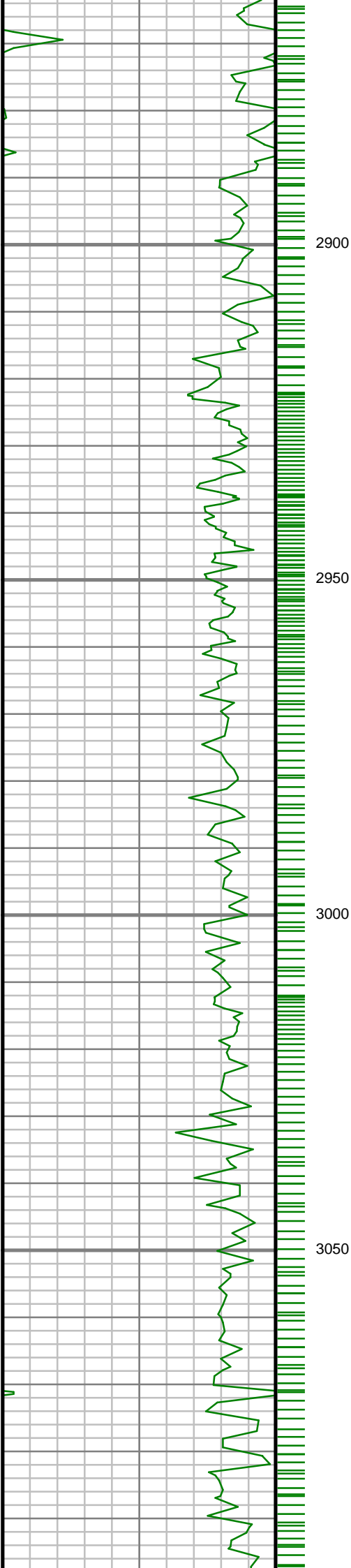




14.71 deg IVD:  
2562.35 ft

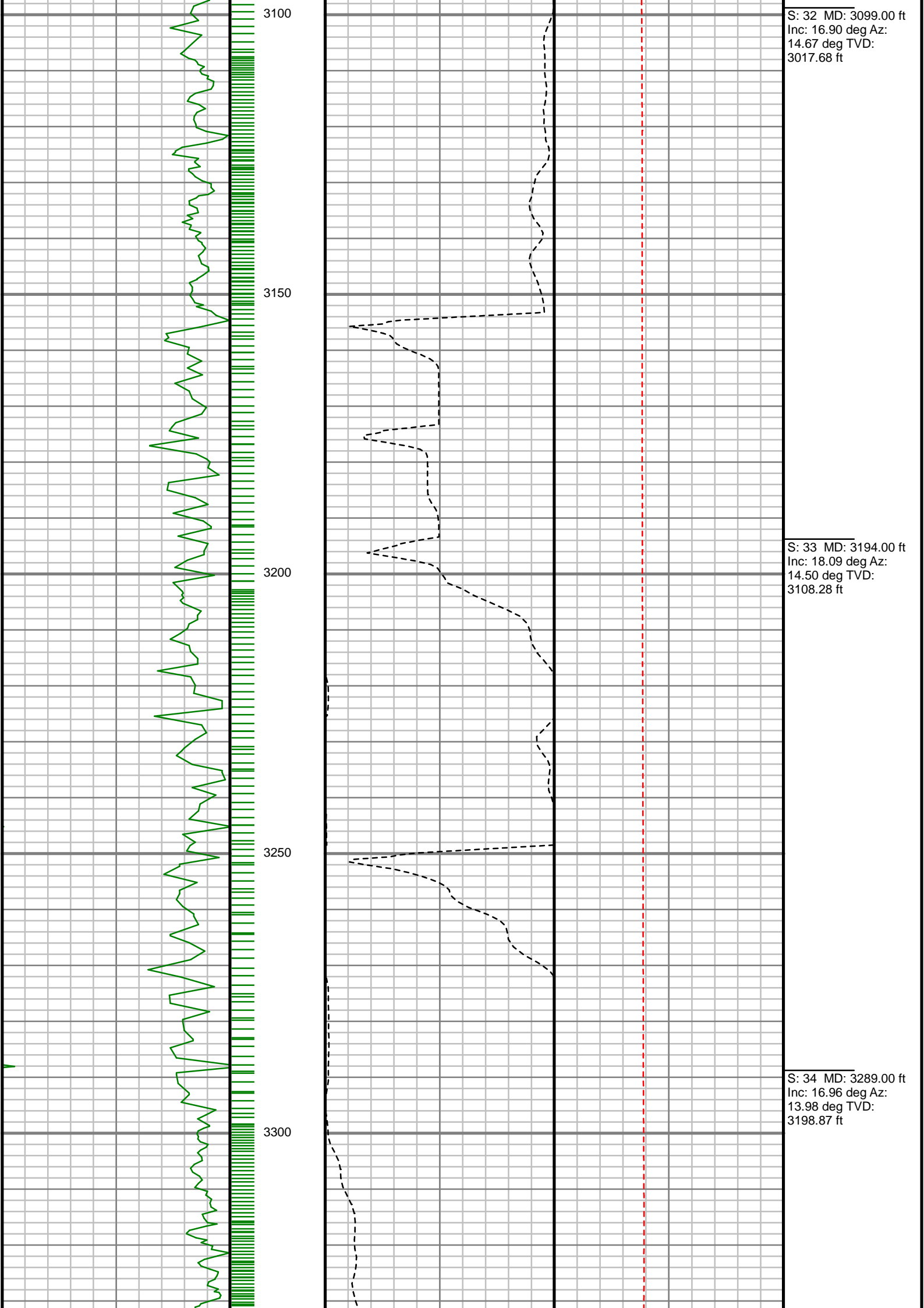
S: 28 MD: 2718.00 ft  
Inc: 16.21 deg Az:  
14.46 deg TVD:  
2652.79 ft

S: 29 MD: 2813.00 ft  
Inc: 17.05 deg Az:  
15.72 deg TVD:  
2743.82 ft

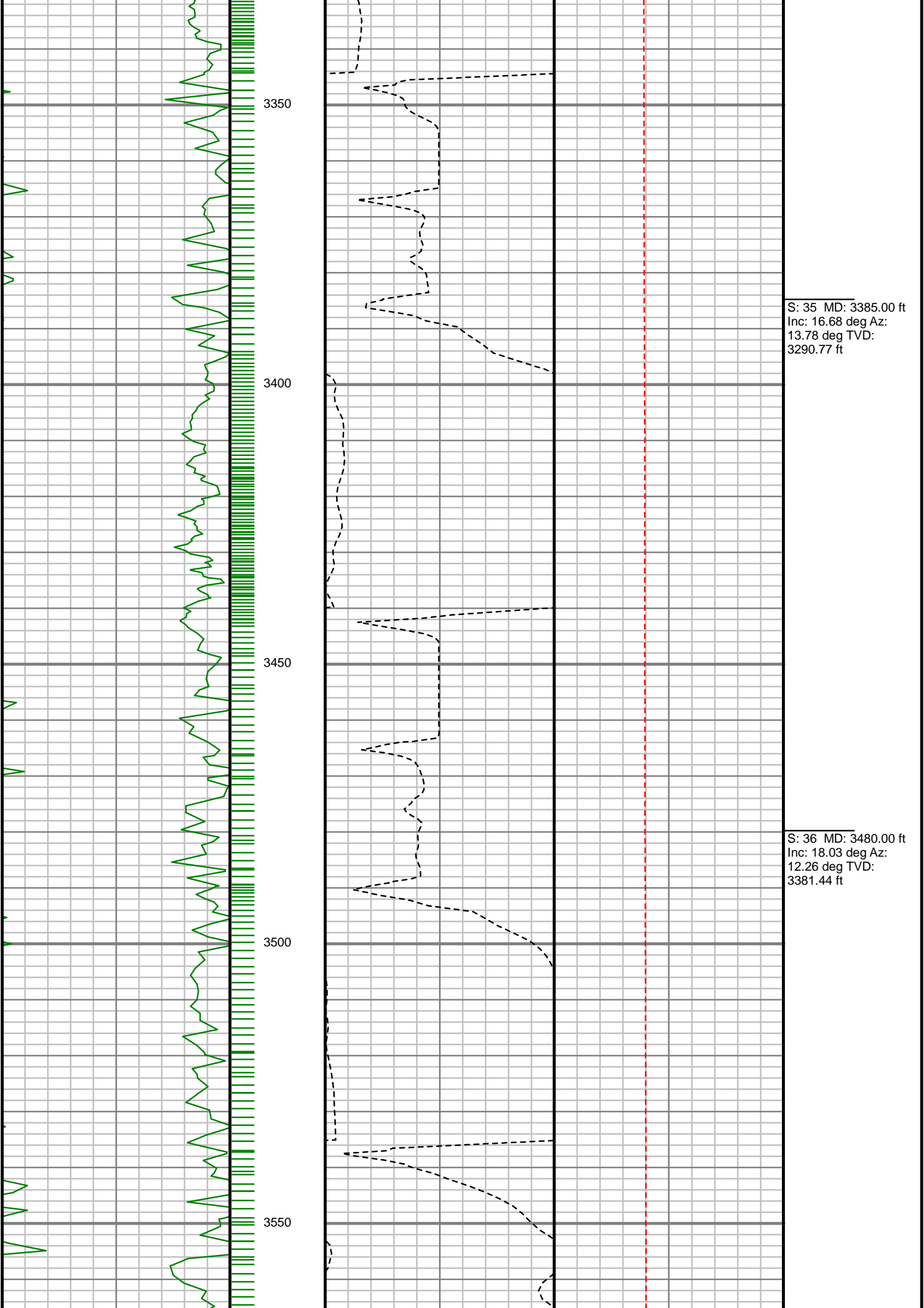


S: 30 MD: 2909.00 ft  
Inc: 15.67 deg Az:  
12.74 deg TVD:  
2835.93 ft

S: 31 MD: 3004.00 ft  
Inc: 17.59 deg Az:  
15.11 deg TVD:  
2926.95 ft

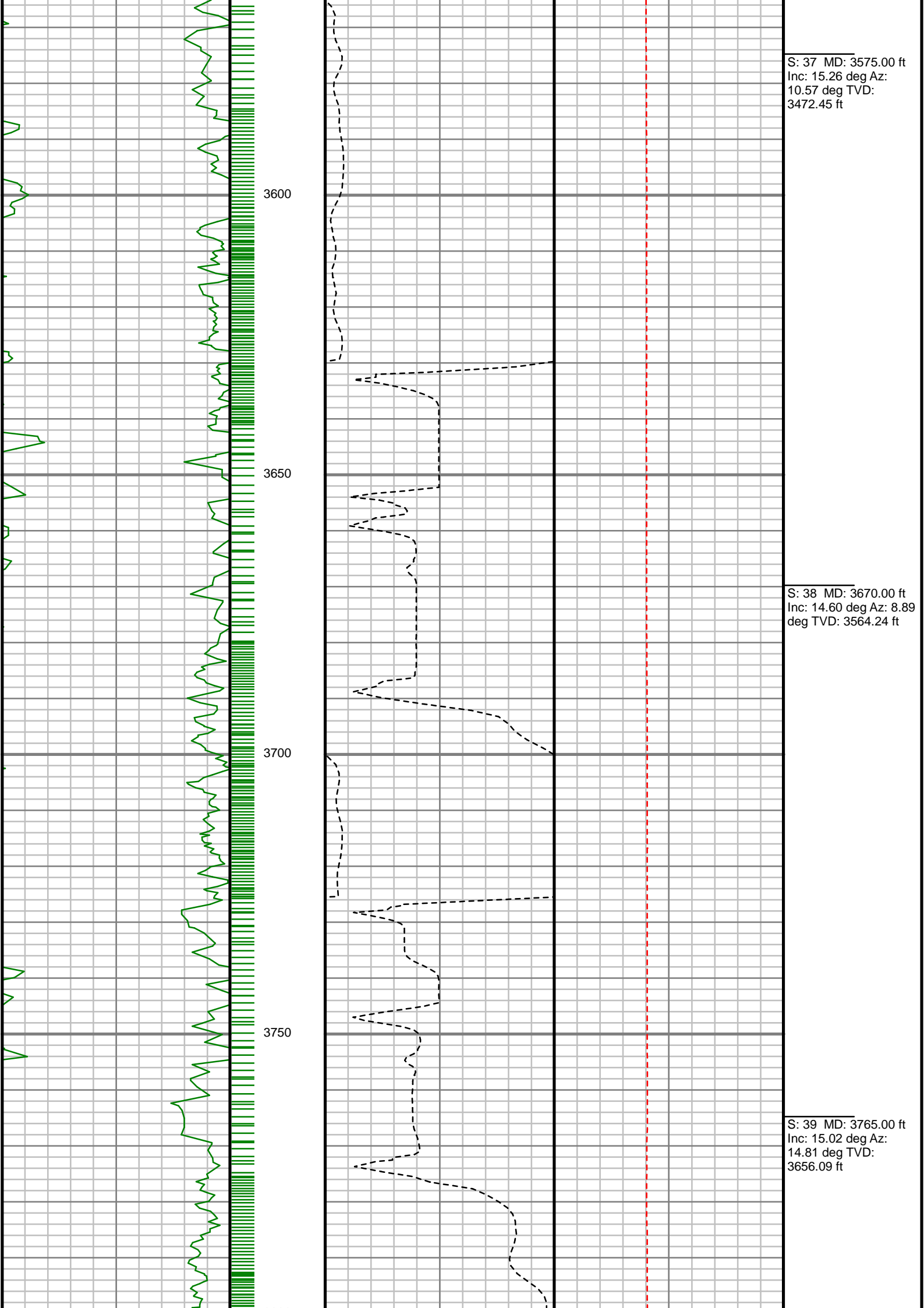


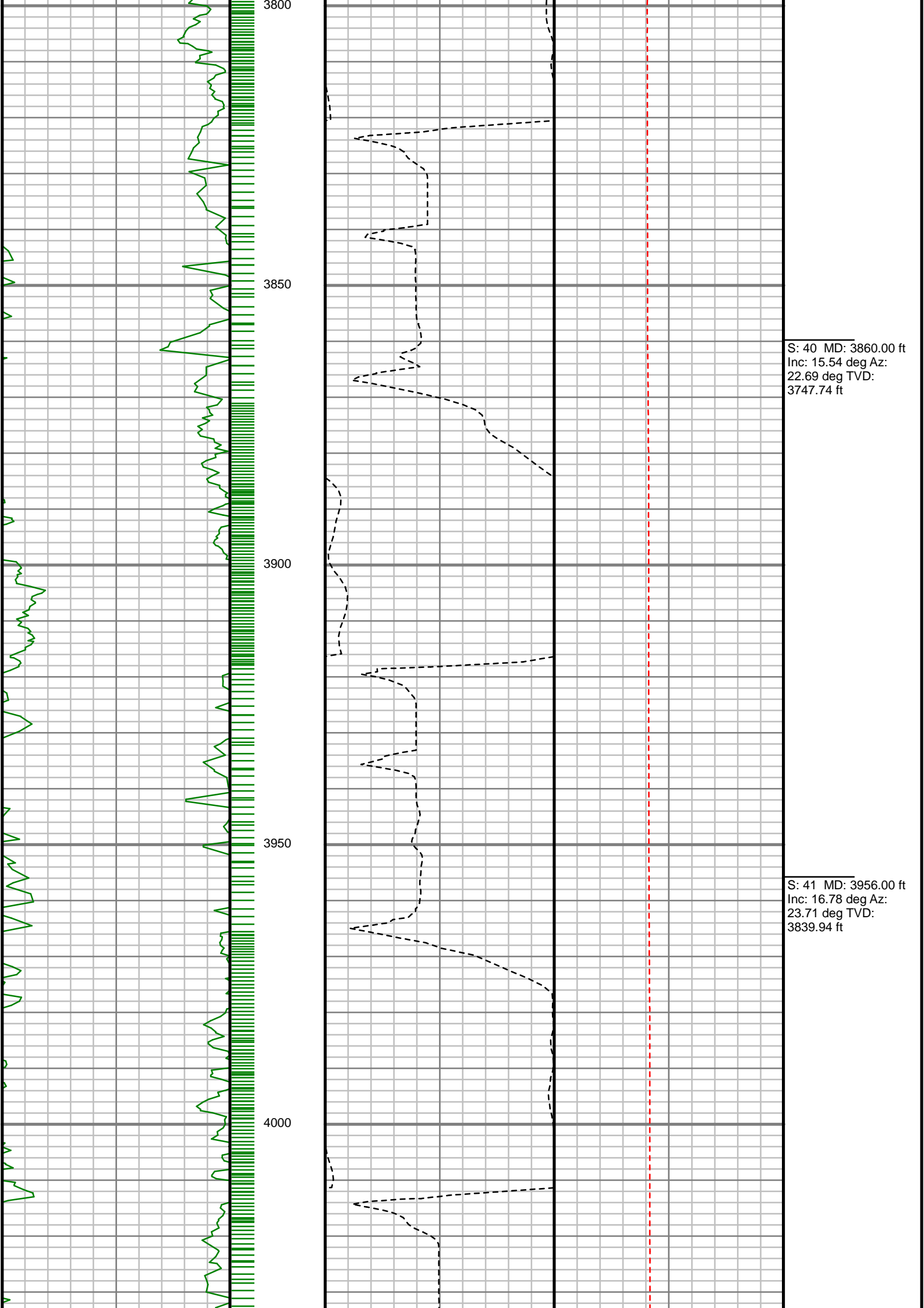




S: 35 MD: 3385.00 ft  
Inc: 16.68 deg Az:  
13.78 deg TVD:  
3290.77 ft

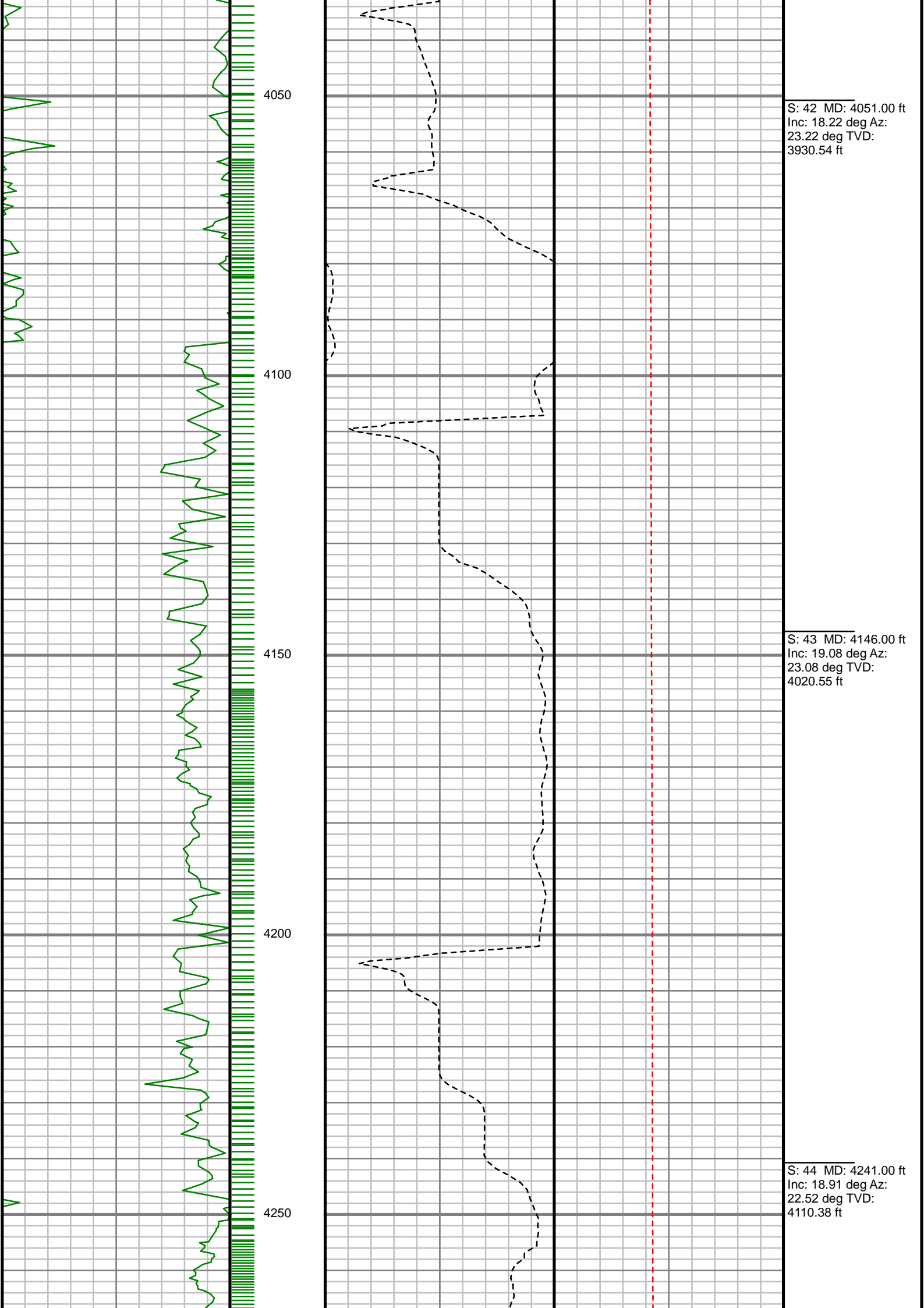
S: 36 MD: 3480.00 ft  
Inc: 18.03 deg Az:  
12.26 deg TVD:  
3381.44 ft

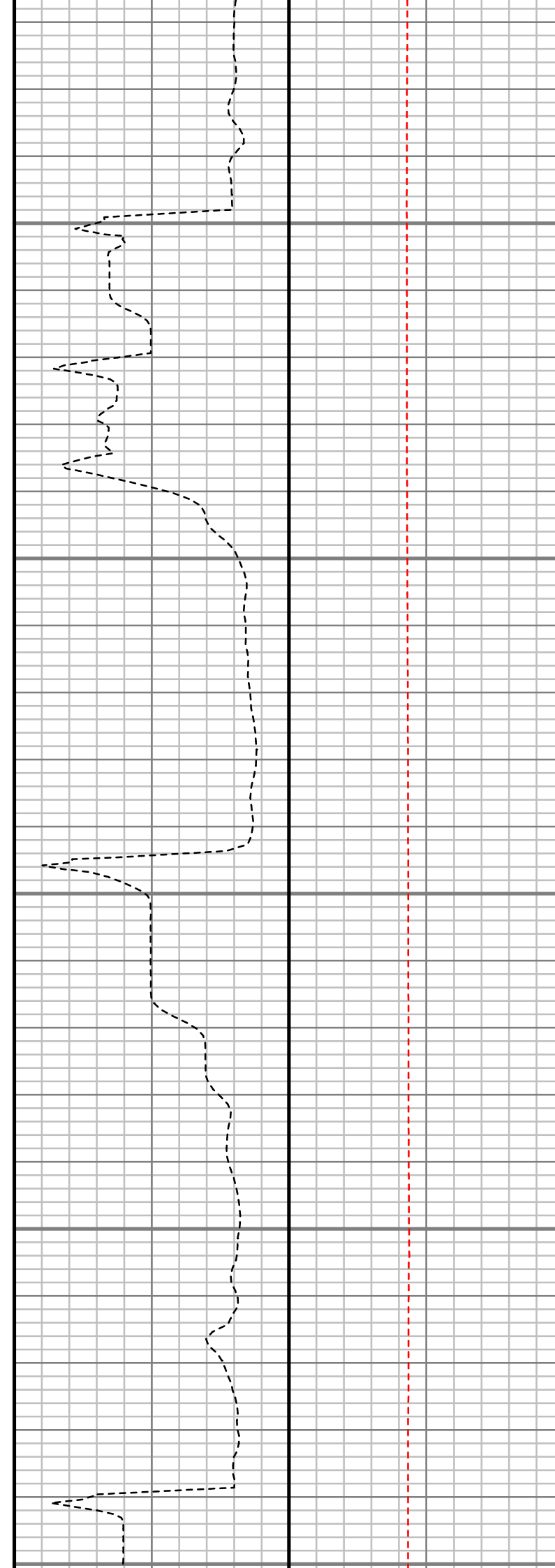
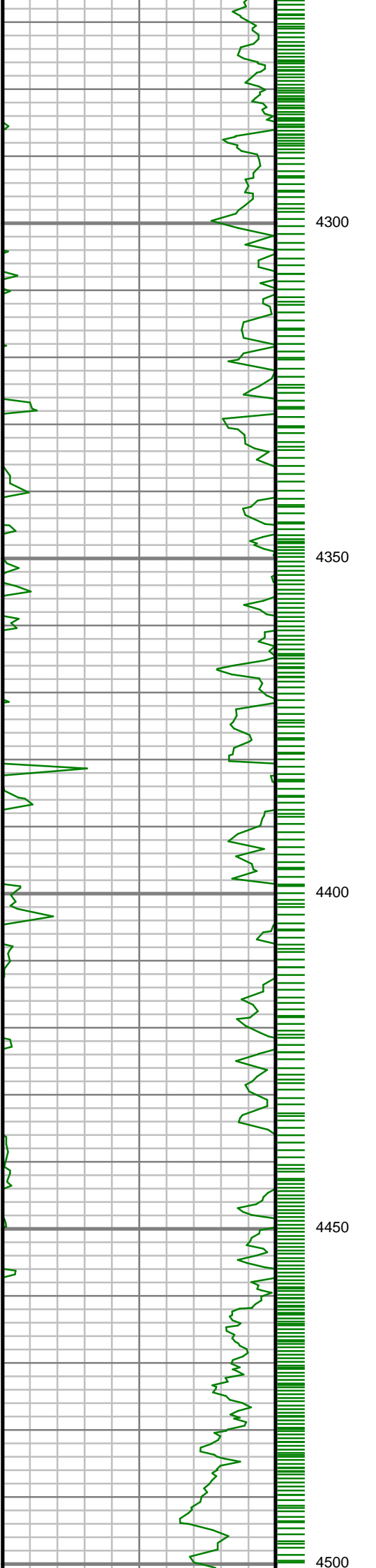




S: 40 MD: 3860.00 ft  
Inc: 15.54 deg Az:  
22.69 deg TVD:  
3747.74 ft

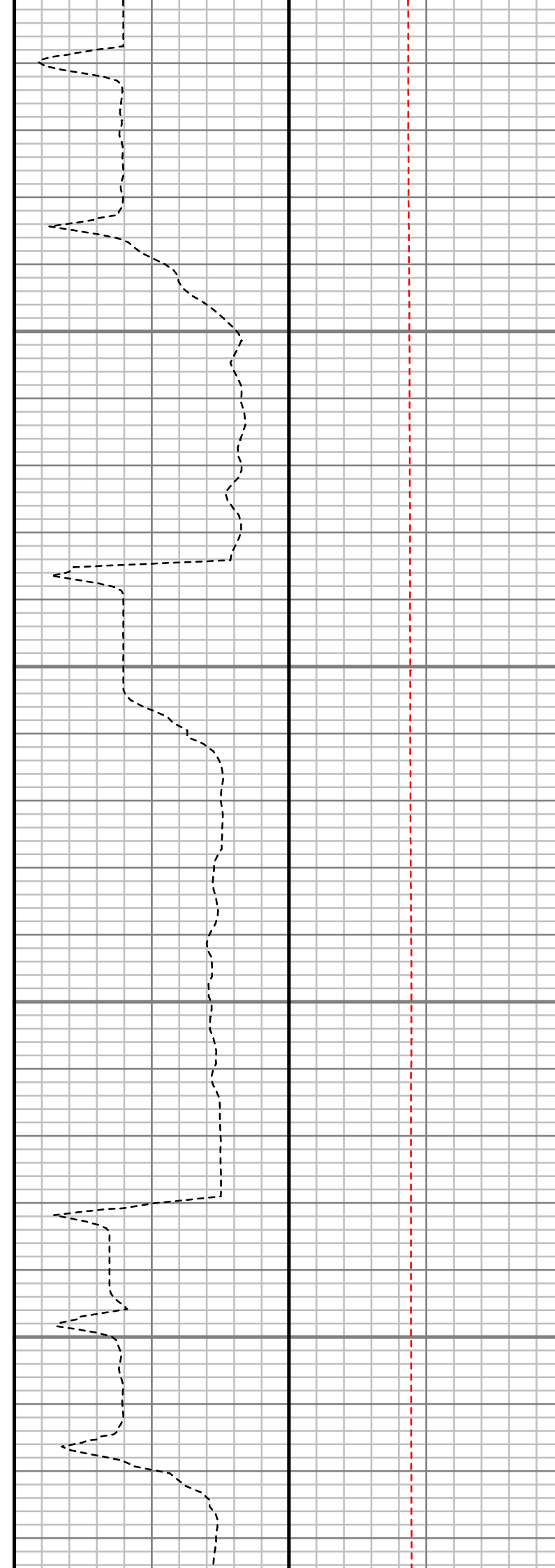
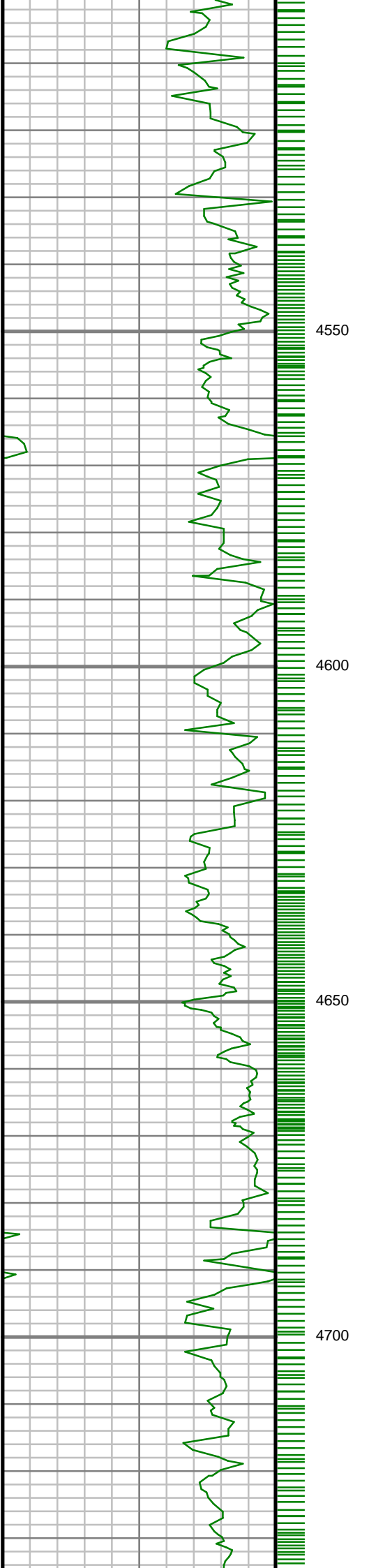
S: 41 MD: 3956.00 ft  
Inc: 16.78 deg Az:  
23.71 deg TVD:  
3839.94 ft





S: 45 MD: 4336.00 ft  
Inc: 17.29 deg Az:  
14.70 deg TVD:  
4200.69 ft

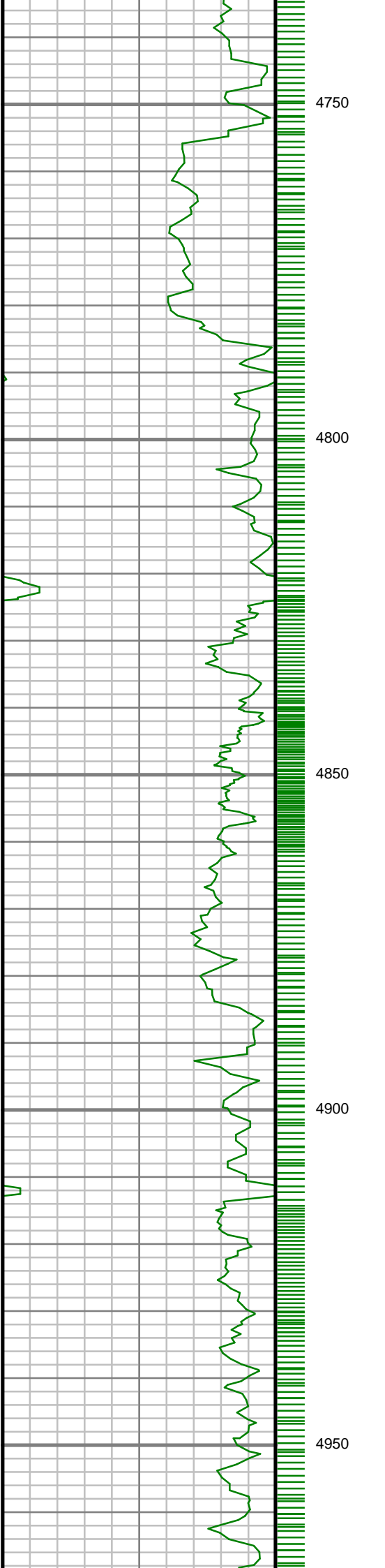
S: 46 MD: 4431.00 ft  
Inc: 14.49 deg Az:  
11.15 deg TVD:  
4292.05 ft



S: 47 MD: 4526.00 ft  
Inc: 16.52 deg Az:  
10.70 deg TVD:  
4383.59 ft

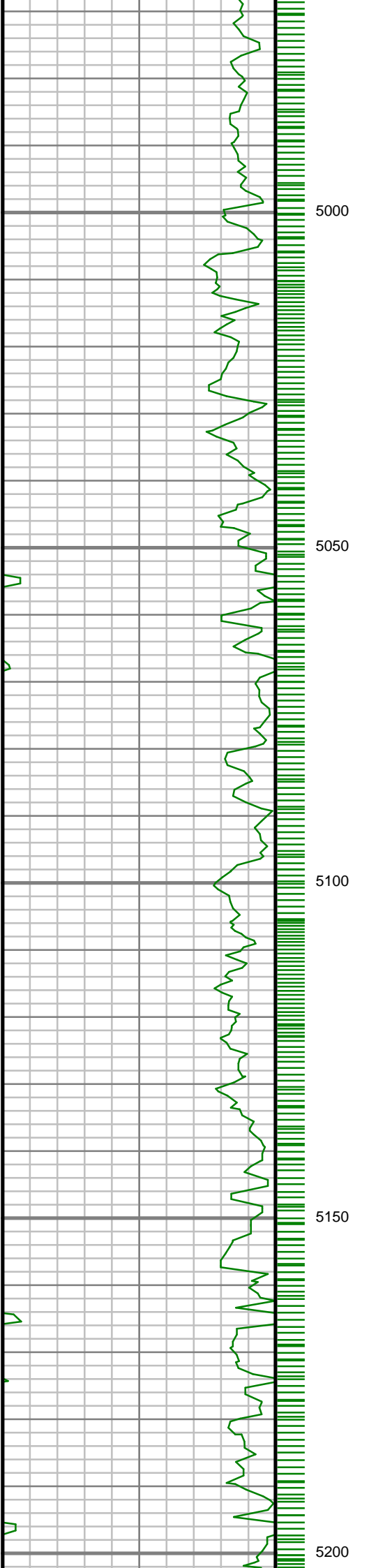
S: 48 MD: 4621.00 ft  
Inc: 15.53 deg Az: 9.87  
deg TVD: 4474.90 ft

S: 49 MD: 4716.00 ft  
Inc: 16.52 deg Az:  
12.60 deg TVD:  
4566.21 ft



S: 50 MD: 4811.00 ft  
Inc: 15.58 deg Az:  
10.67 deg TVD:  
4657.50 ft

S: 51 MD: 4906.00 ft  
Inc: 16.54 deg Az:  
12.42 deg TVD:  
4748.79 ft



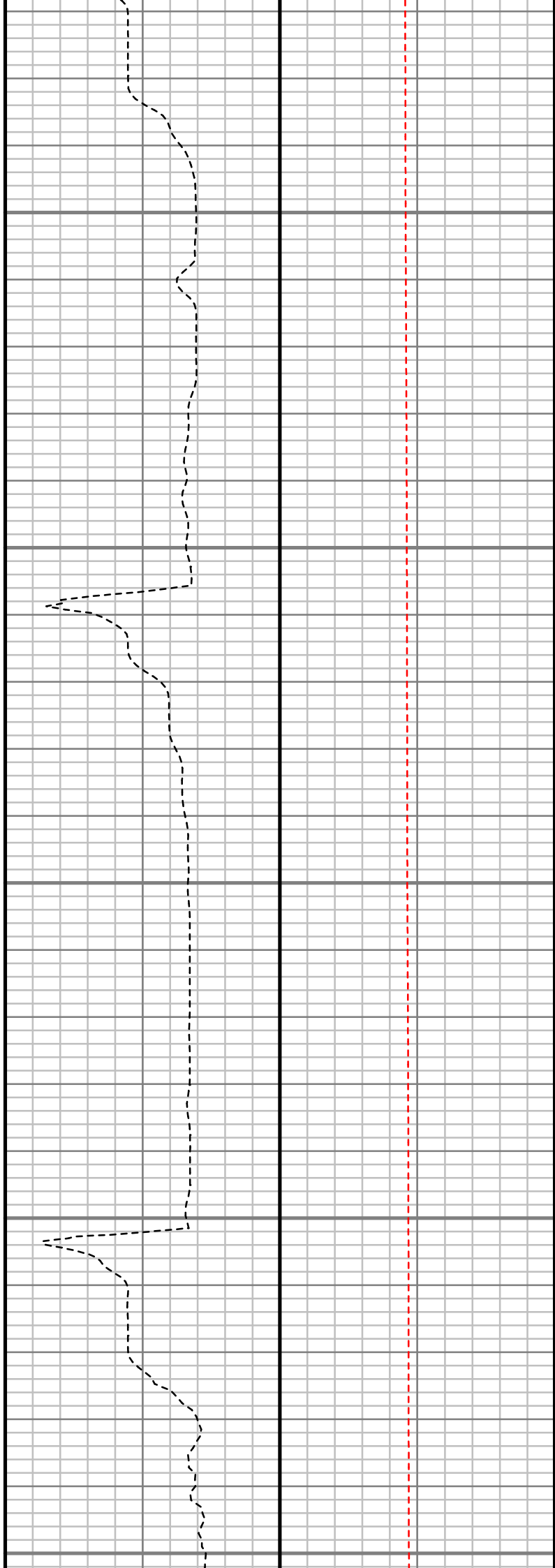
5000

5050

5100

5150

5200

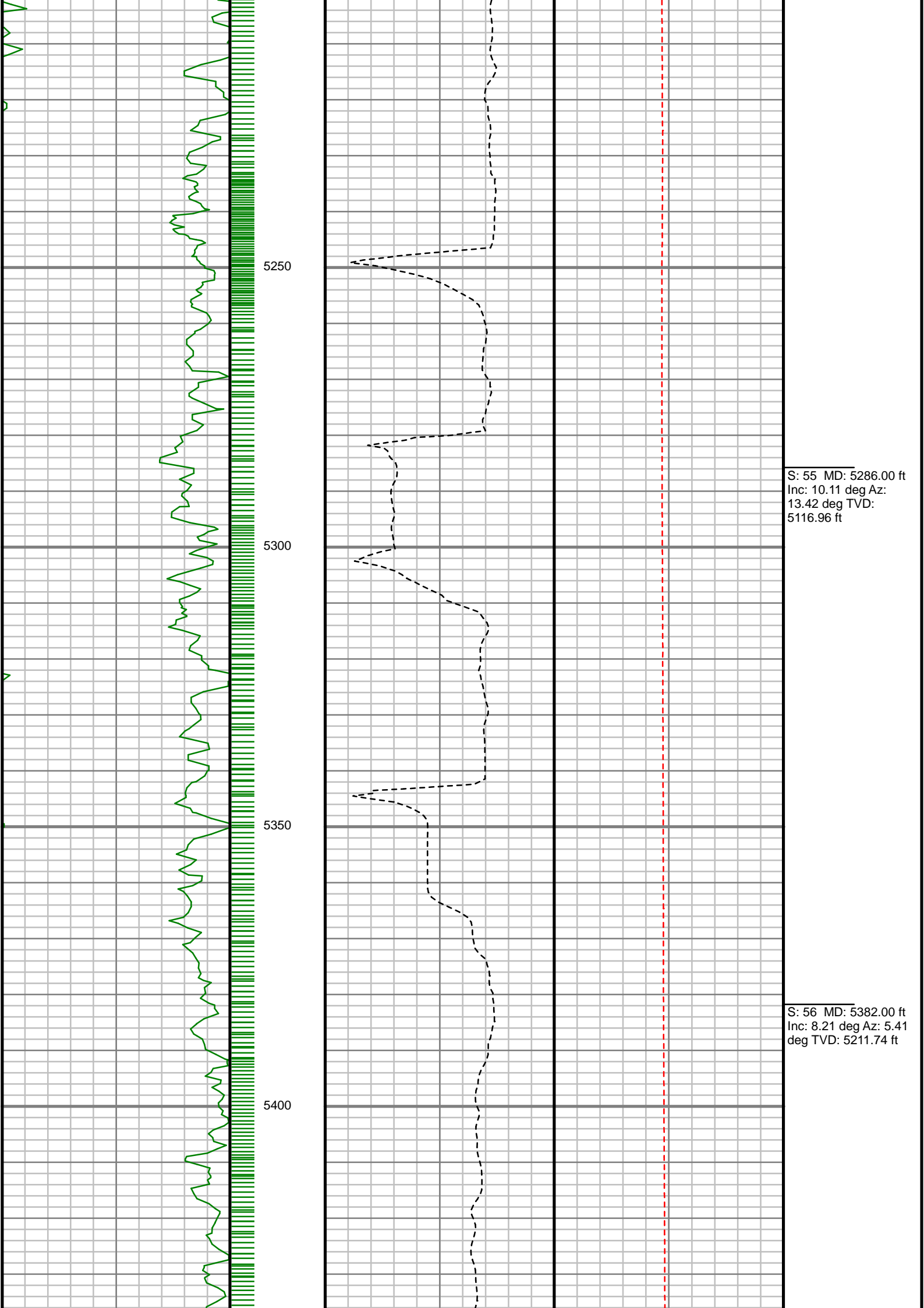


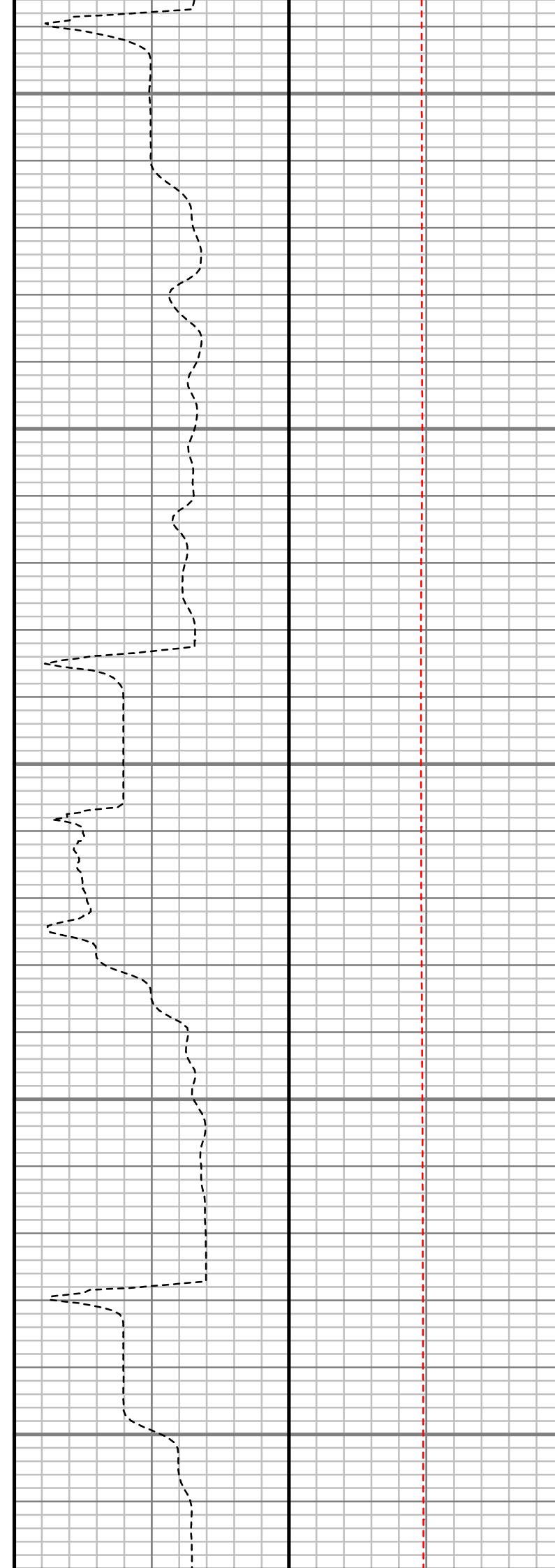
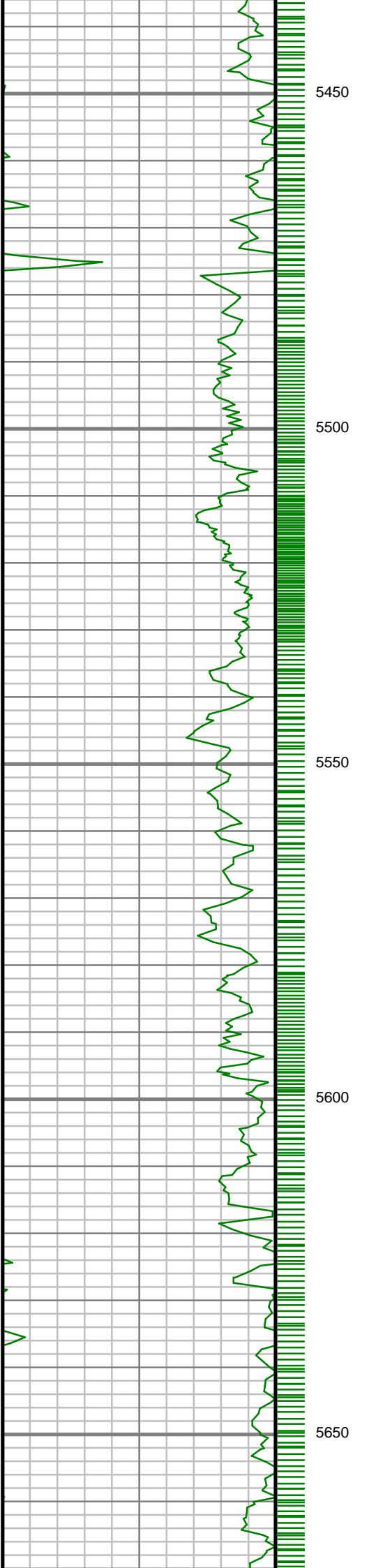
S: 52 MD: 5001.00 ft  
Inc: 15.97 deg Az:  
13.29 deg TVD:  
4840.00 ft

S: 53 MD: 5097.00 ft  
Inc: 14.61 deg Az:  
13.98 deg TVD:  
4932.60 ft

S: 54 MD: 5191.00 ft  
Inc: 12.95 deg Az:  
17.13 deg TVD:  
5023.89 ft



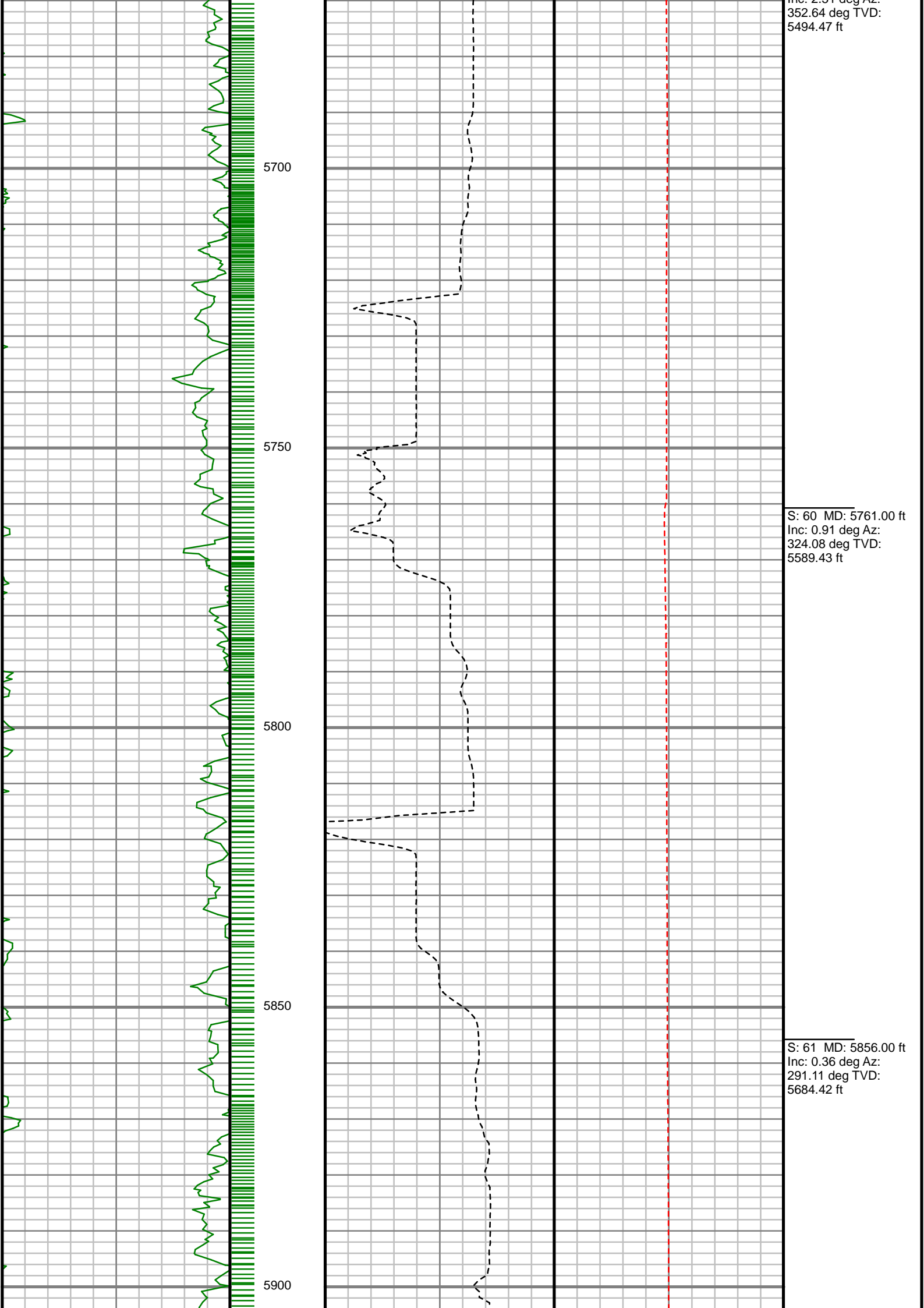




S: 57 MD: 5476.00 ft  
Inc: 6.37 deg Az: 7.84  
deg TVD: 5304.97 ft

S: 58 MD: 5570.00 ft  
Inc: 3.62 deg Az:  
357.38 deg TVD:  
5398.61 ft

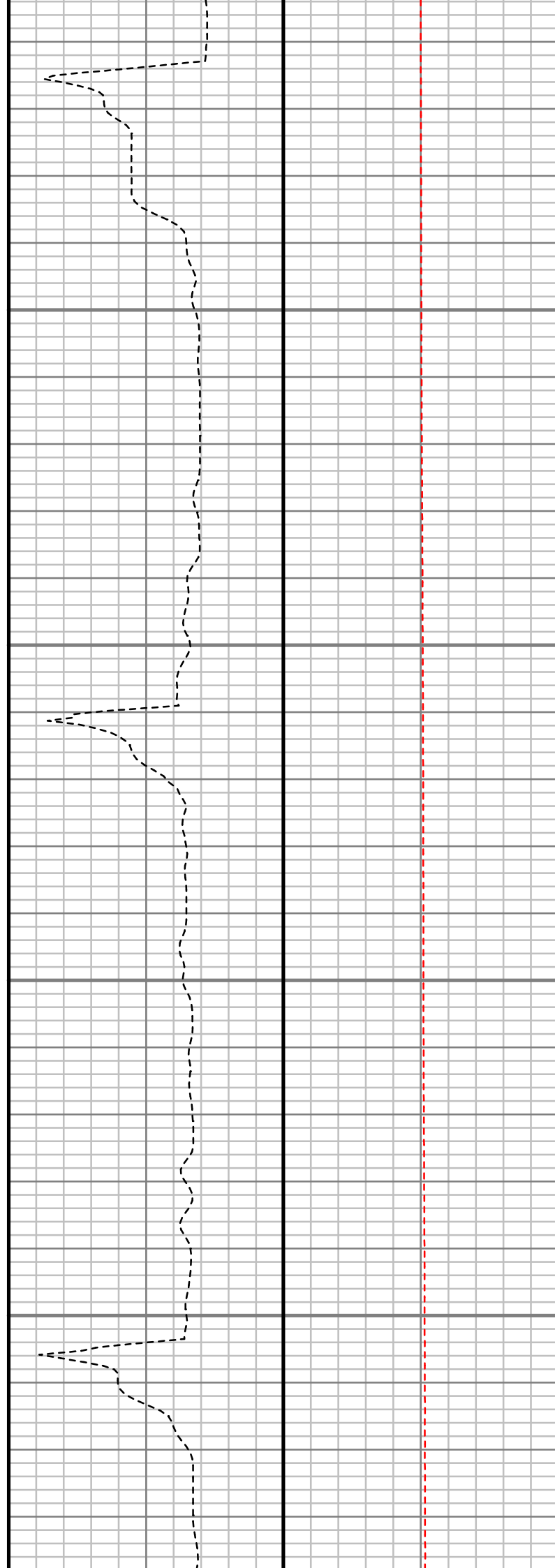
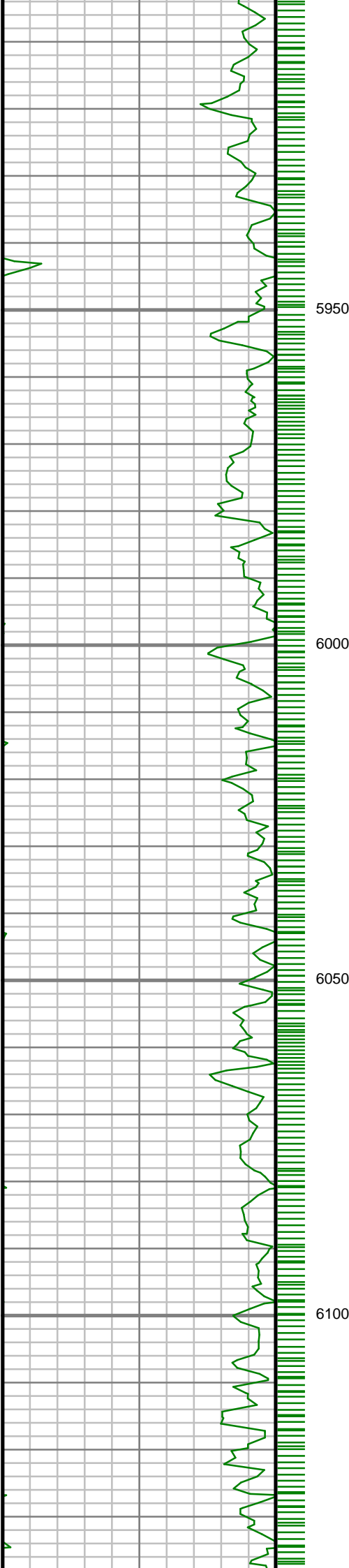
S: 59 MD: 5666.00 ft  
Inc: 2.51 deg Az:



Inc: 2.81 deg Az:  
352.64 deg TVD:  
5494.47 ft

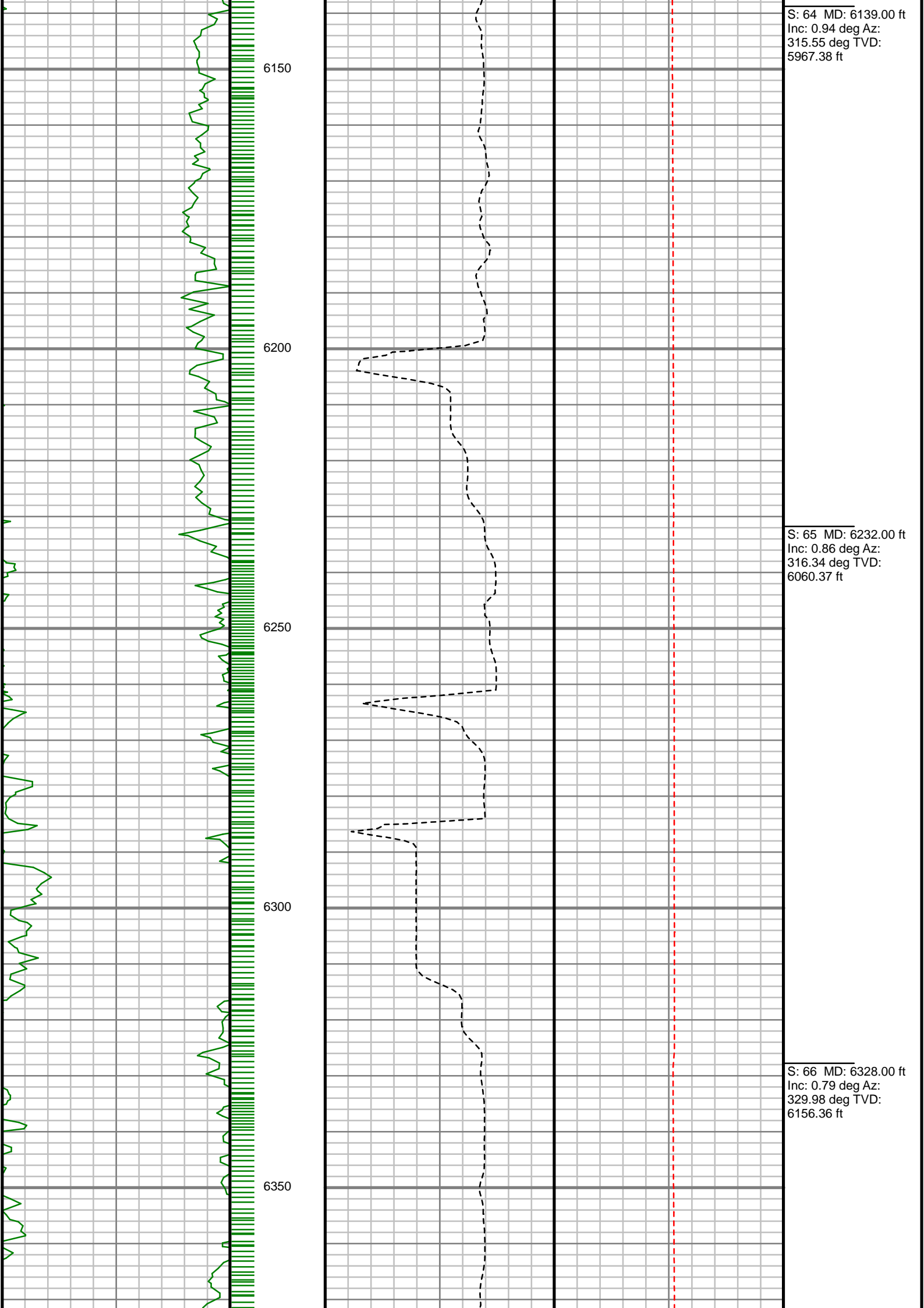
S: 60 MD: 5761.00 ft  
Inc: 0.91 deg Az:  
324.08 deg TVD:  
5589.43 ft

S: 61 MD: 5856.00 ft  
Inc: 0.36 deg Az:  
291.11 deg TVD:  
5684.42 ft



S: 62 MD: 5951.00 ft  
Inc: 0.86 deg Az:  
302.17 deg TVD:  
5779.42 ft

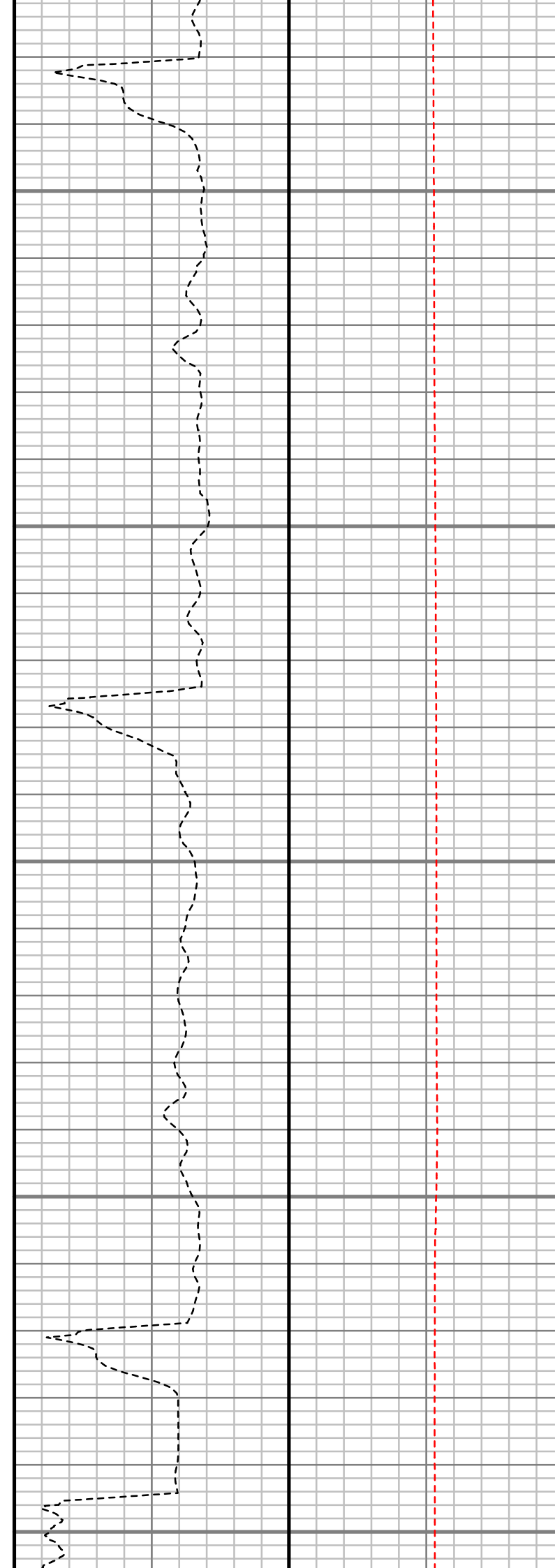
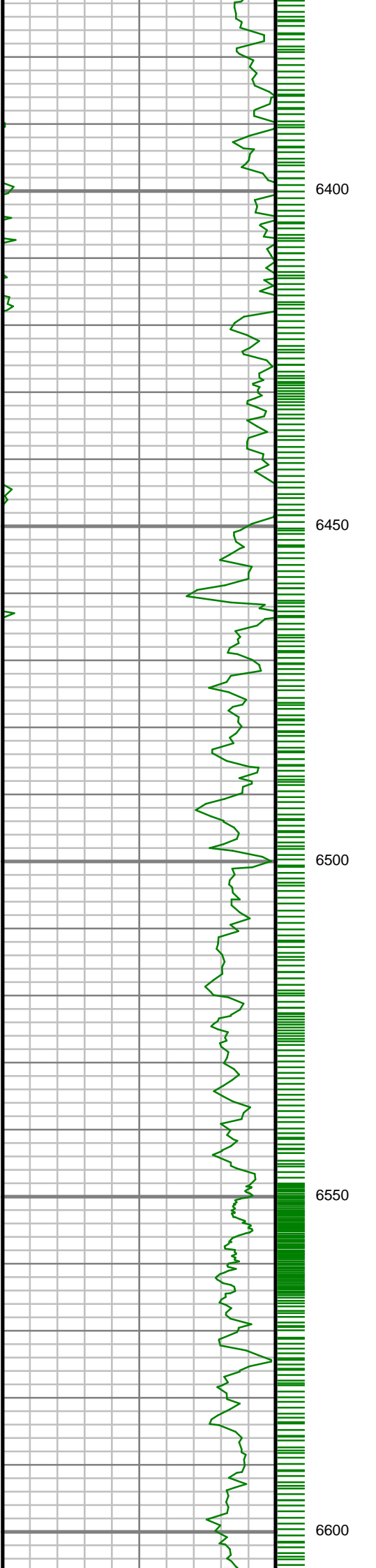
S: 63 MD: 6045.00 ft  
Inc: 1.30 deg Az:  
299.33 deg TVD:  
5873.40 ft



S: 64 MD: 6139.00 ft  
Inc: 0.94 deg Az:  
315.55 deg TVD:  
5967.38 ft

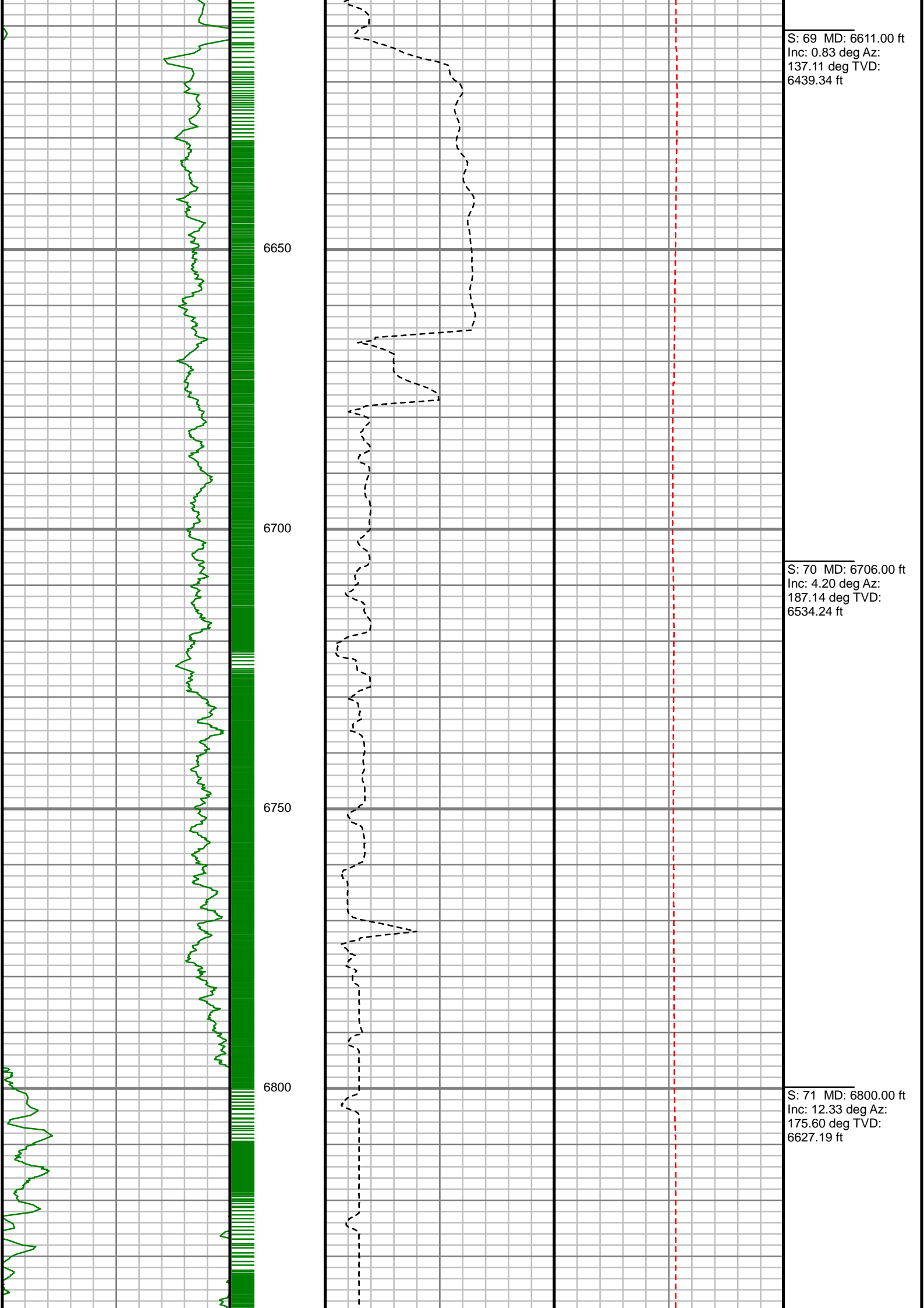
S: 65 MD: 6232.00 ft  
Inc: 0.86 deg Az:  
316.34 deg TVD:  
6060.37 ft

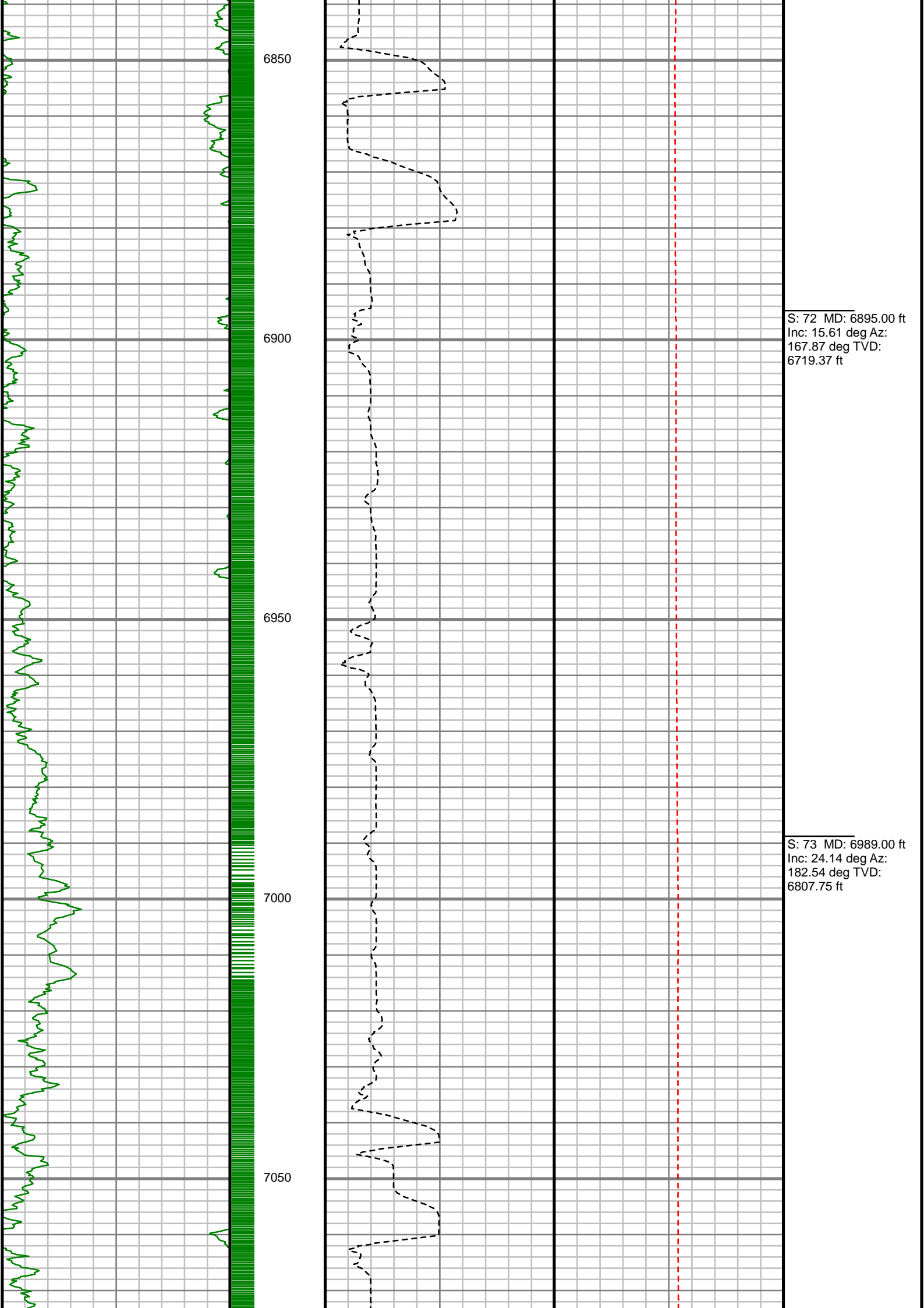
S: 66 MD: 6328.00 ft  
Inc: 0.79 deg Az:  
329.98 deg TVD:  
6156.36 ft



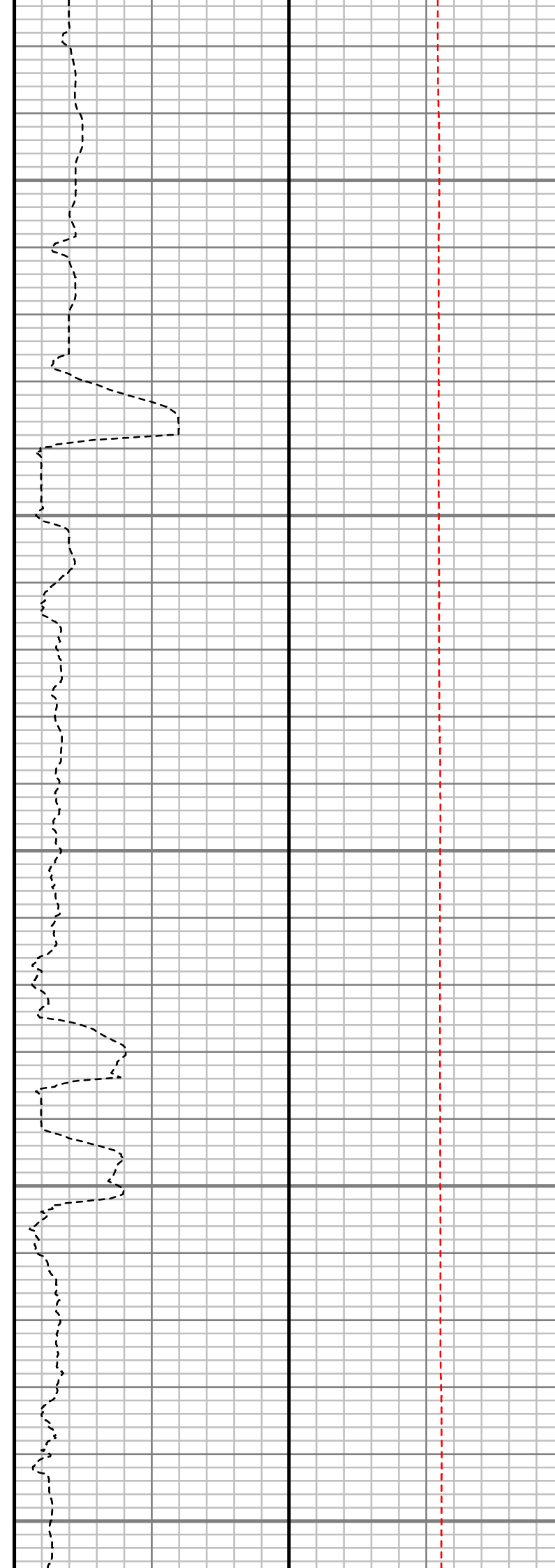
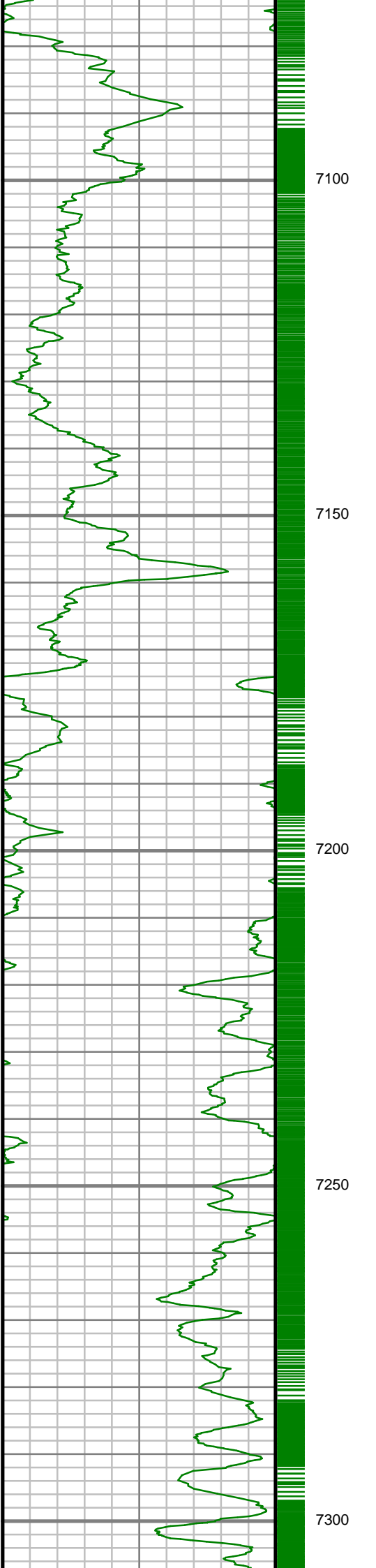
S: 67 MD: 6422.00 ft  
Inc: 0.83 deg Az: 3.16  
deg TVD: 6250.35 ft

S: 68 MD: 6516.00 ft  
Inc: 0.65 deg Az: 21.42  
deg TVD: 6344.34 ft





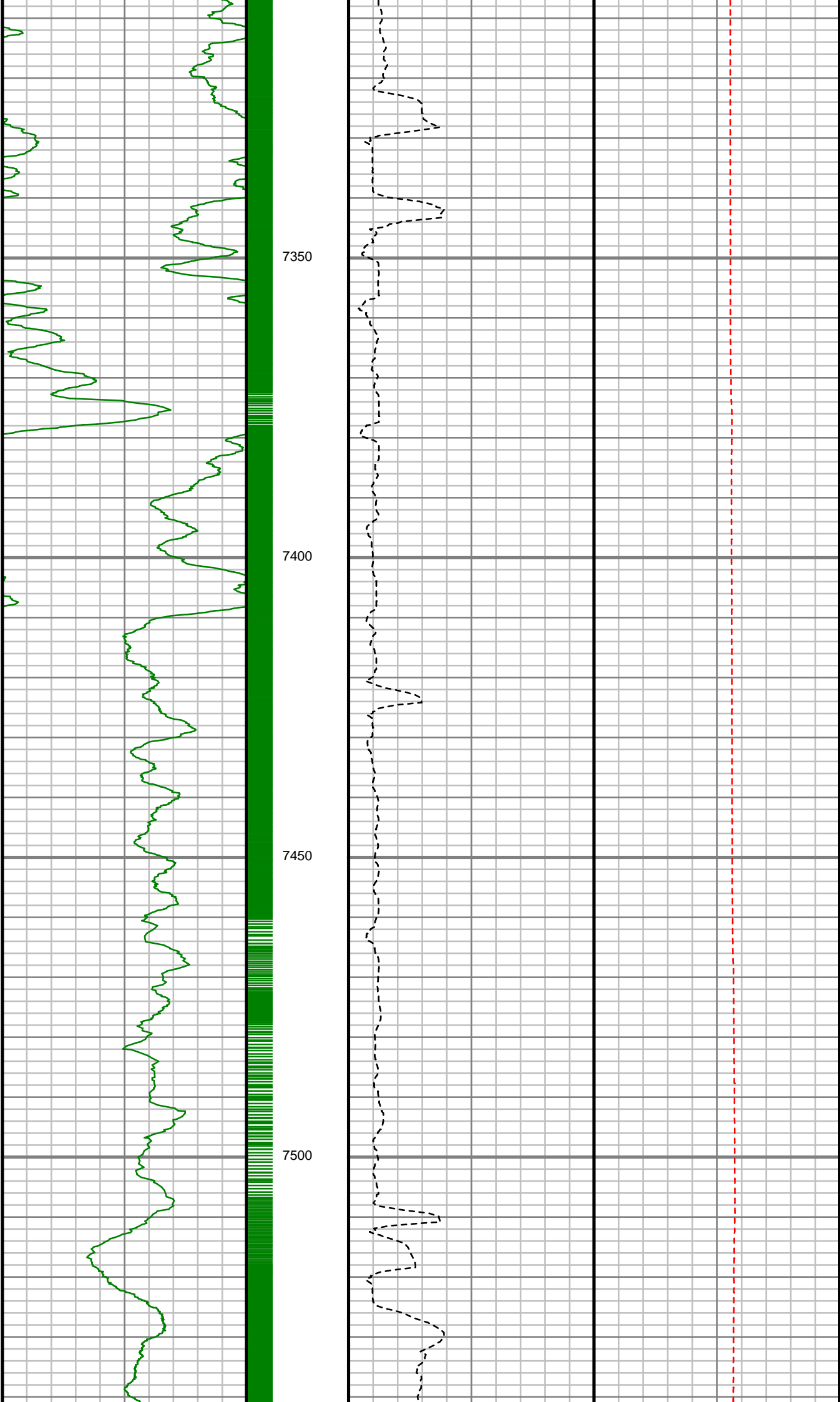




S: 74 MD: 7084.00 ft  
Inc: 32.36 deg Az:  
180.72 deg TVD:  
6891.36 ft

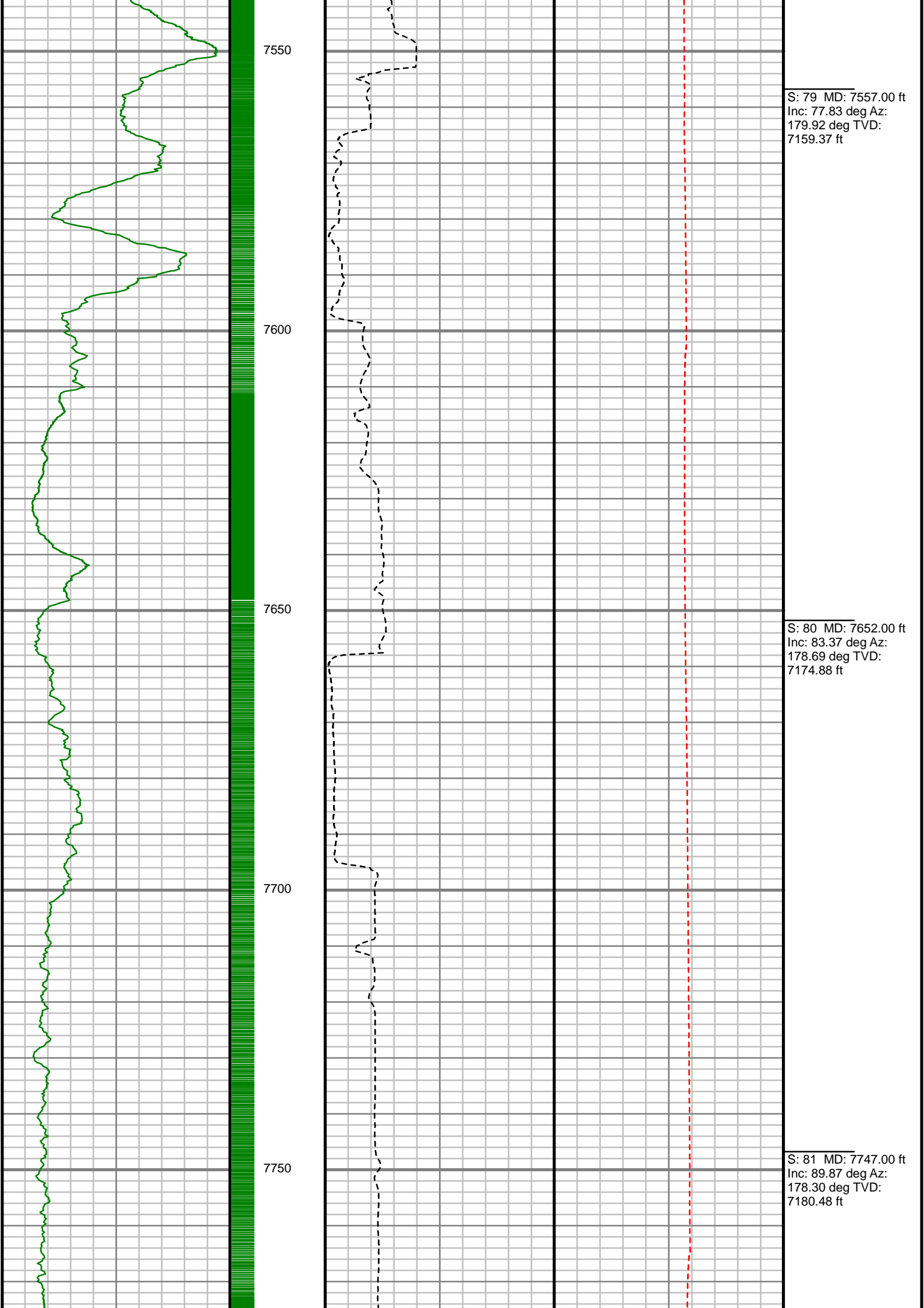
S: 75 MD: 7178.00 ft  
Inc: 41.09 deg Az:  
175.79 deg TVD:  
6966.65 ft

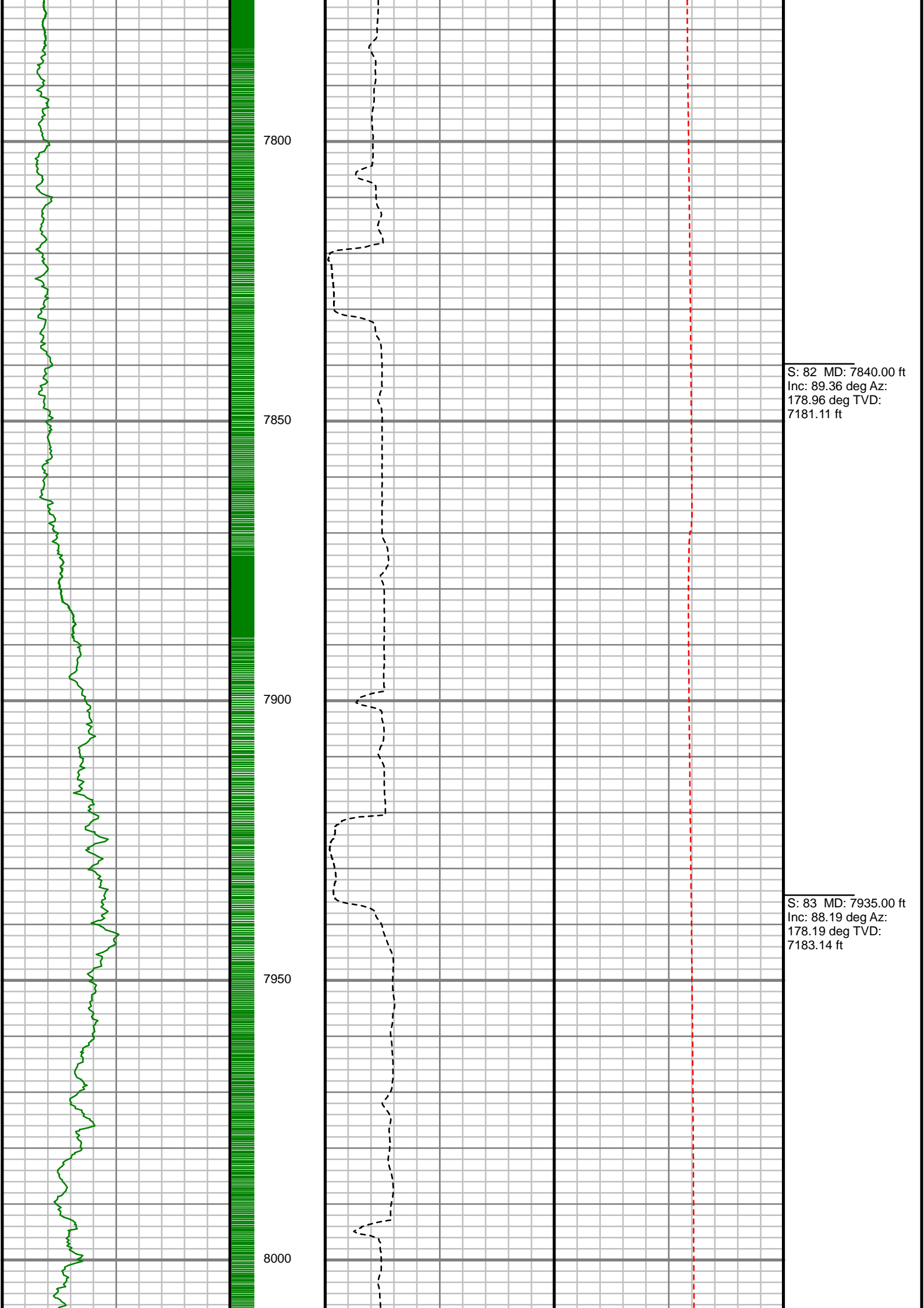
S: 76 MD: 7273.00 ft  
Inc: 48.62 deg Az:  
178.62 deg TVD:  
7033.95 ft



S: 77 MD: 7368.00 ft  
Inc: 56.74 deg Az:  
178.05 deg TVD:  
7091.51 ft

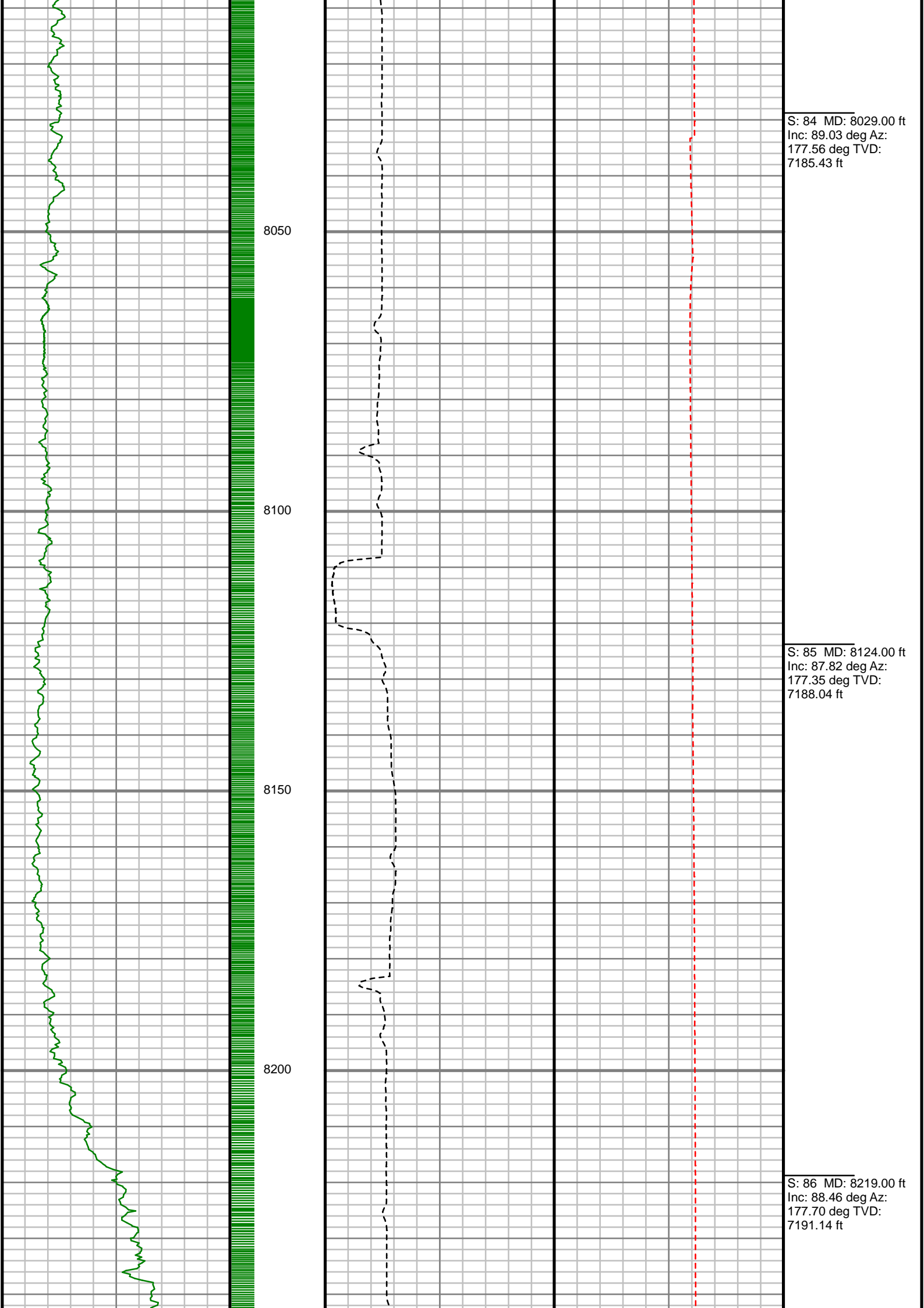
S: 78 MD: 7462.00 ft  
Inc: 70.31 deg Az:  
178.69 deg TVD:  
7133.31 ft

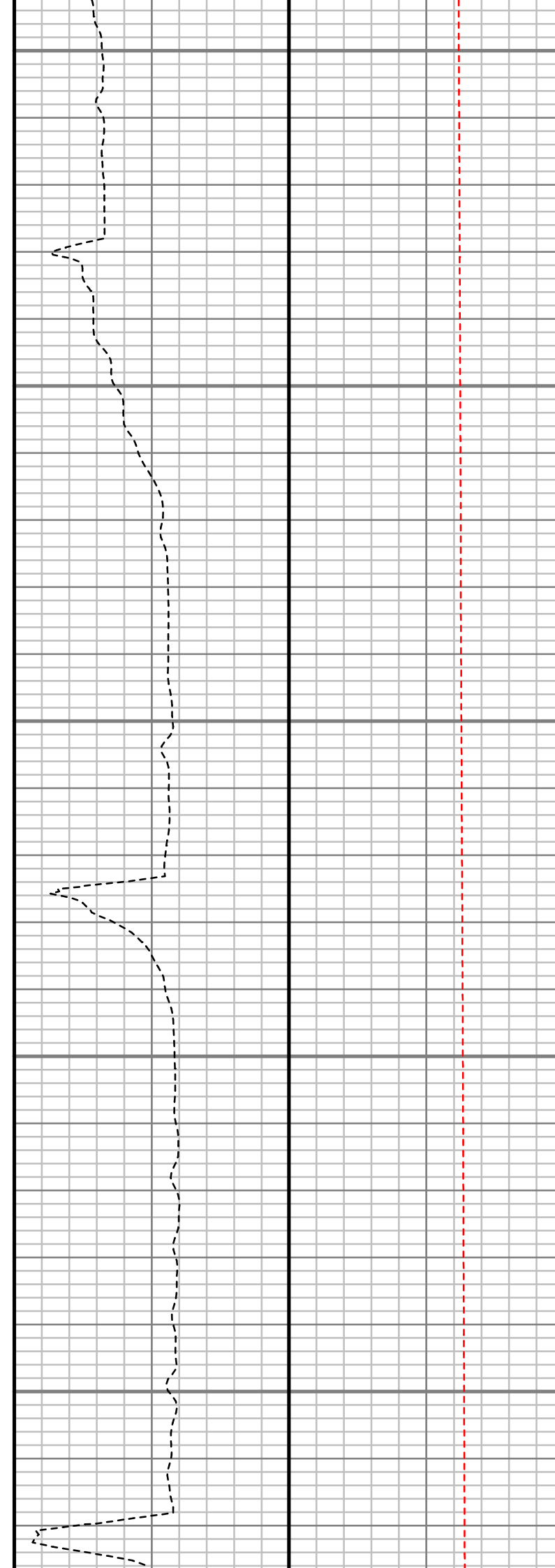
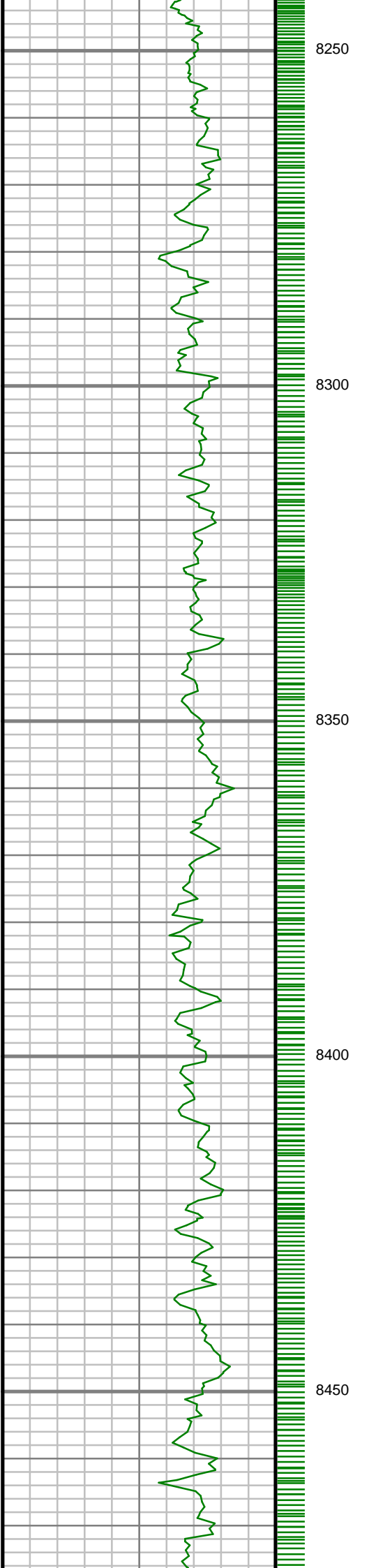




S: 82 MD: 7840.00 ft  
Inc: 89.36 deg Az:  
178.96 deg TVD:  
7181.11 ft

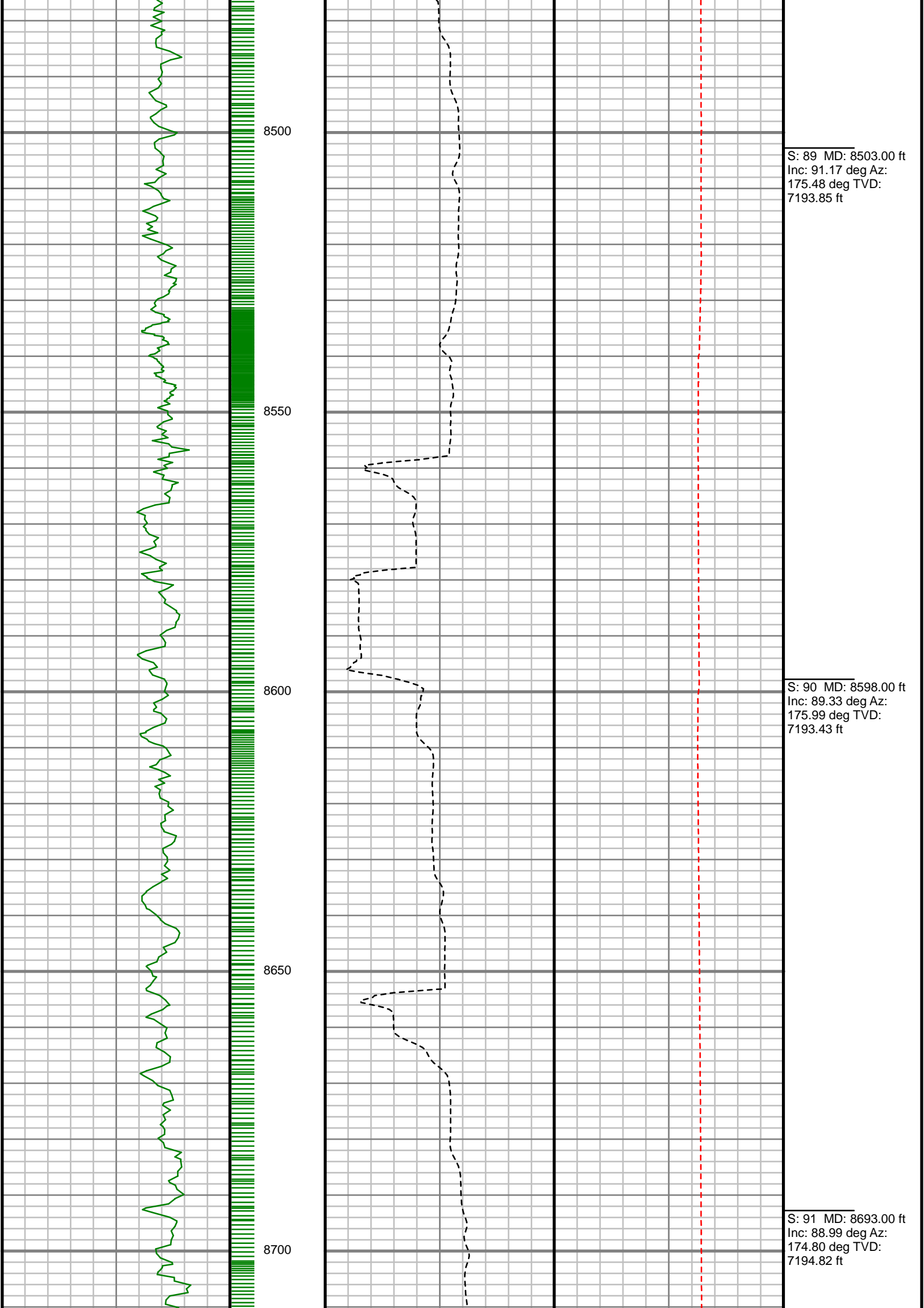
S: 83 MD: 7935.00 ft  
Inc: 88.19 deg Az:  
178.19 deg TVD:  
7183.14 ft

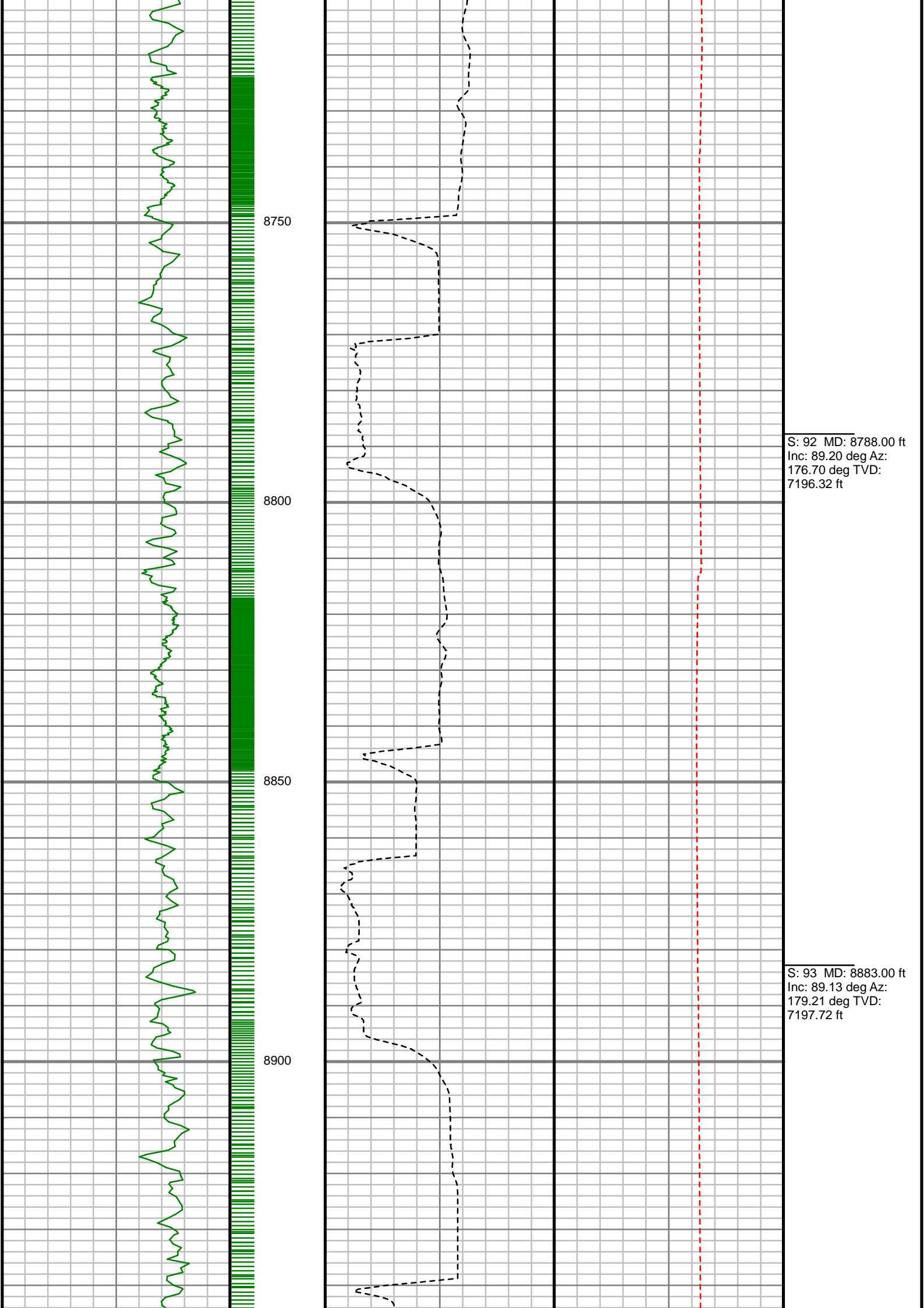




S: 87 MD: 8314.00 ft  
Inc: 88.82 deg Az:  
176.18 deg TVD:  
7193.39 ft

S: 88 MD: 8409.00 ft  
Inc: 89.73 deg Az:  
175.91 deg TVD:  
7194.59 ft

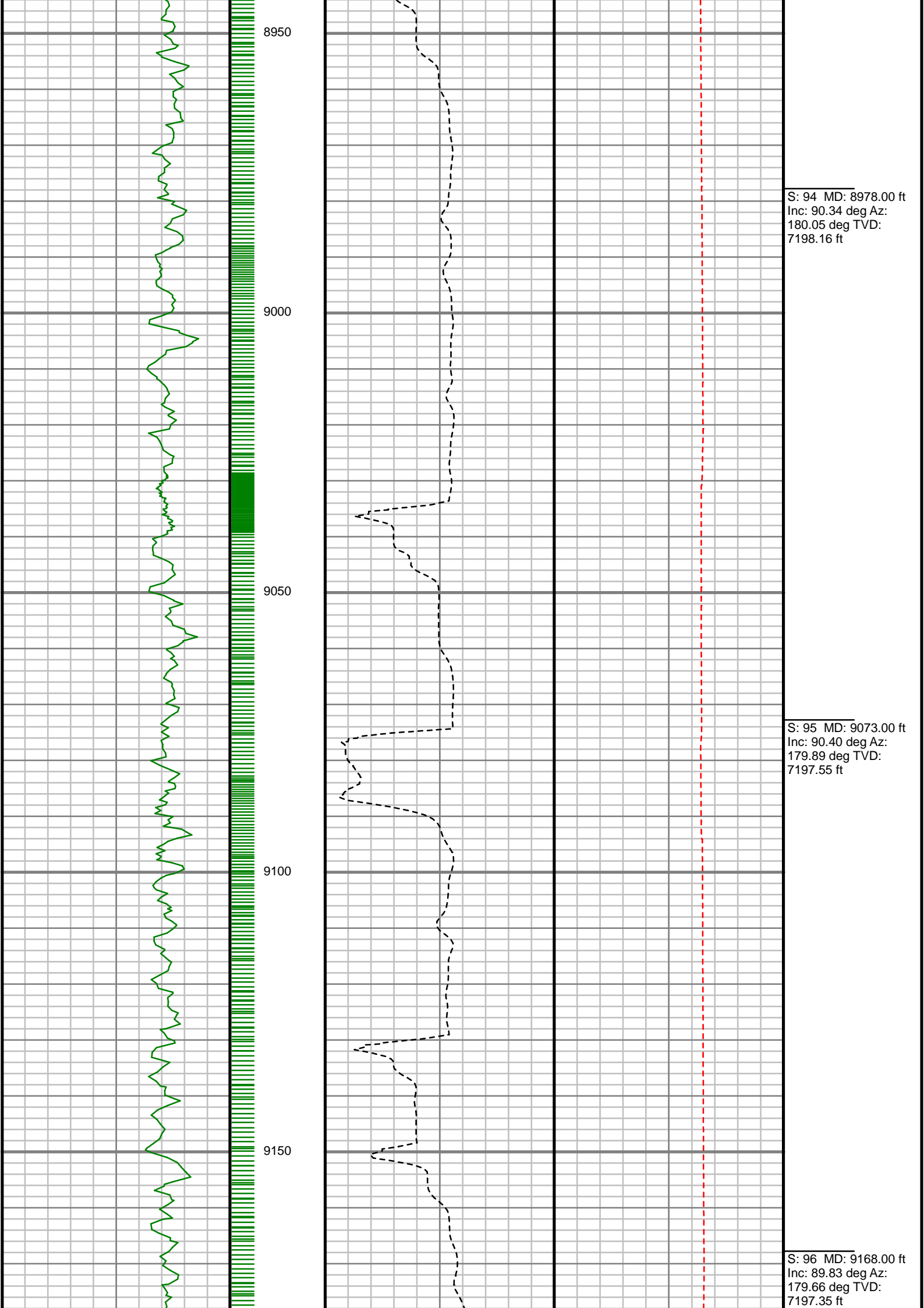


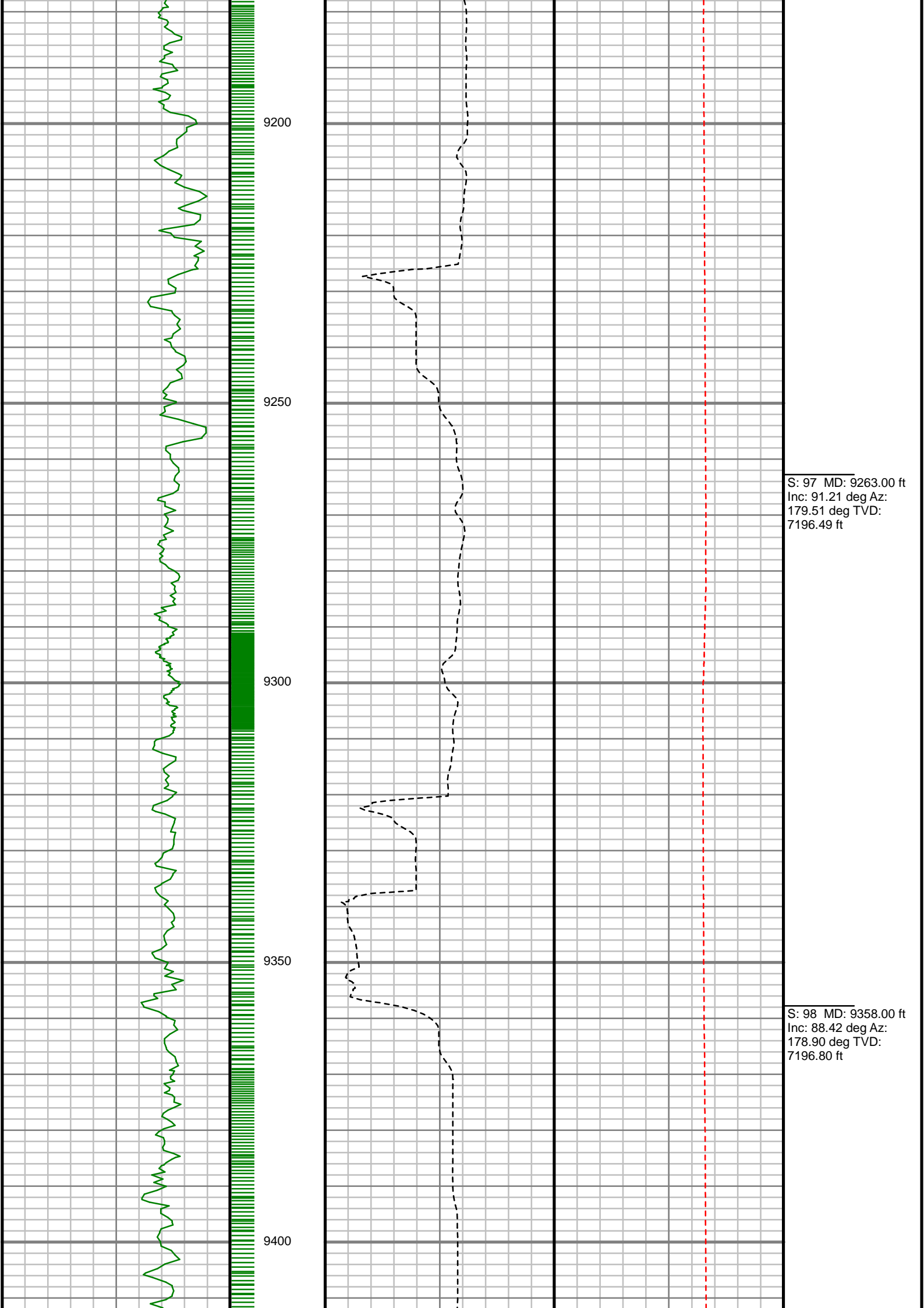


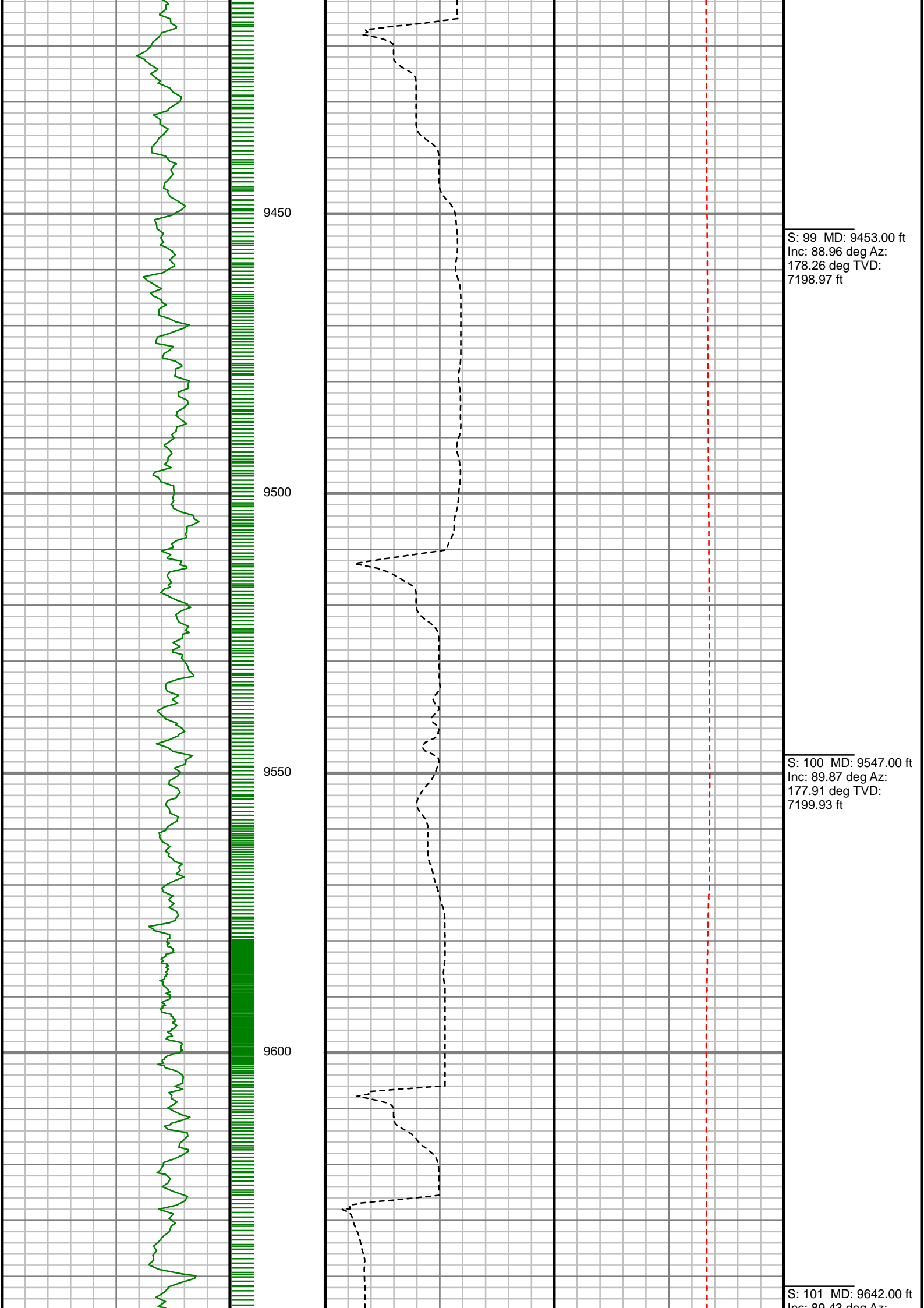
S: 92 MD: 8788.00 ft  
Inc: 89.20 deg Az:  
176.70 deg TVD:  
7196.32 ft

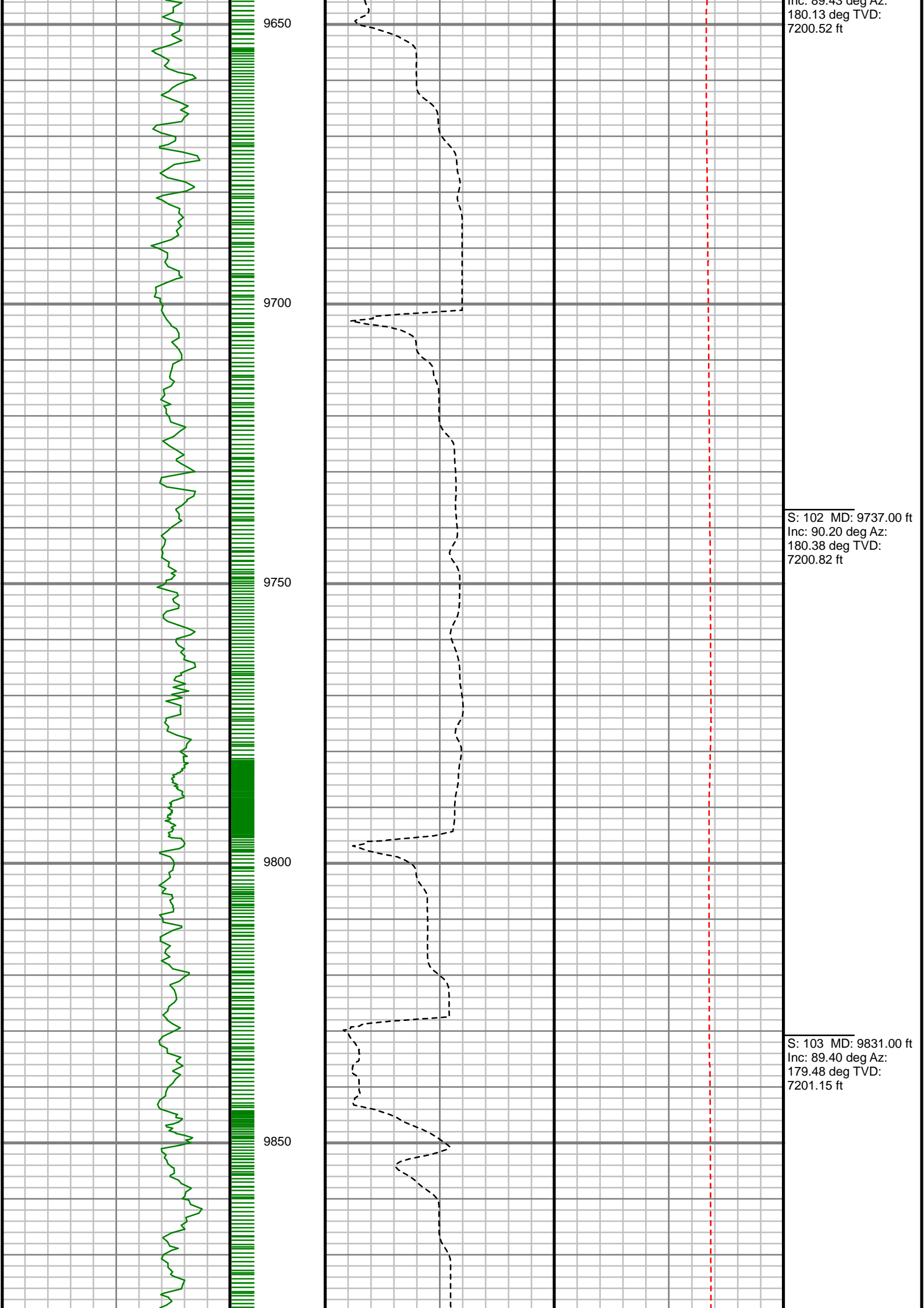
S: 93 MD: 8883.00 ft  
Inc: 89.13 deg Az:  
179.21 deg TVD:  
7197.72 ft

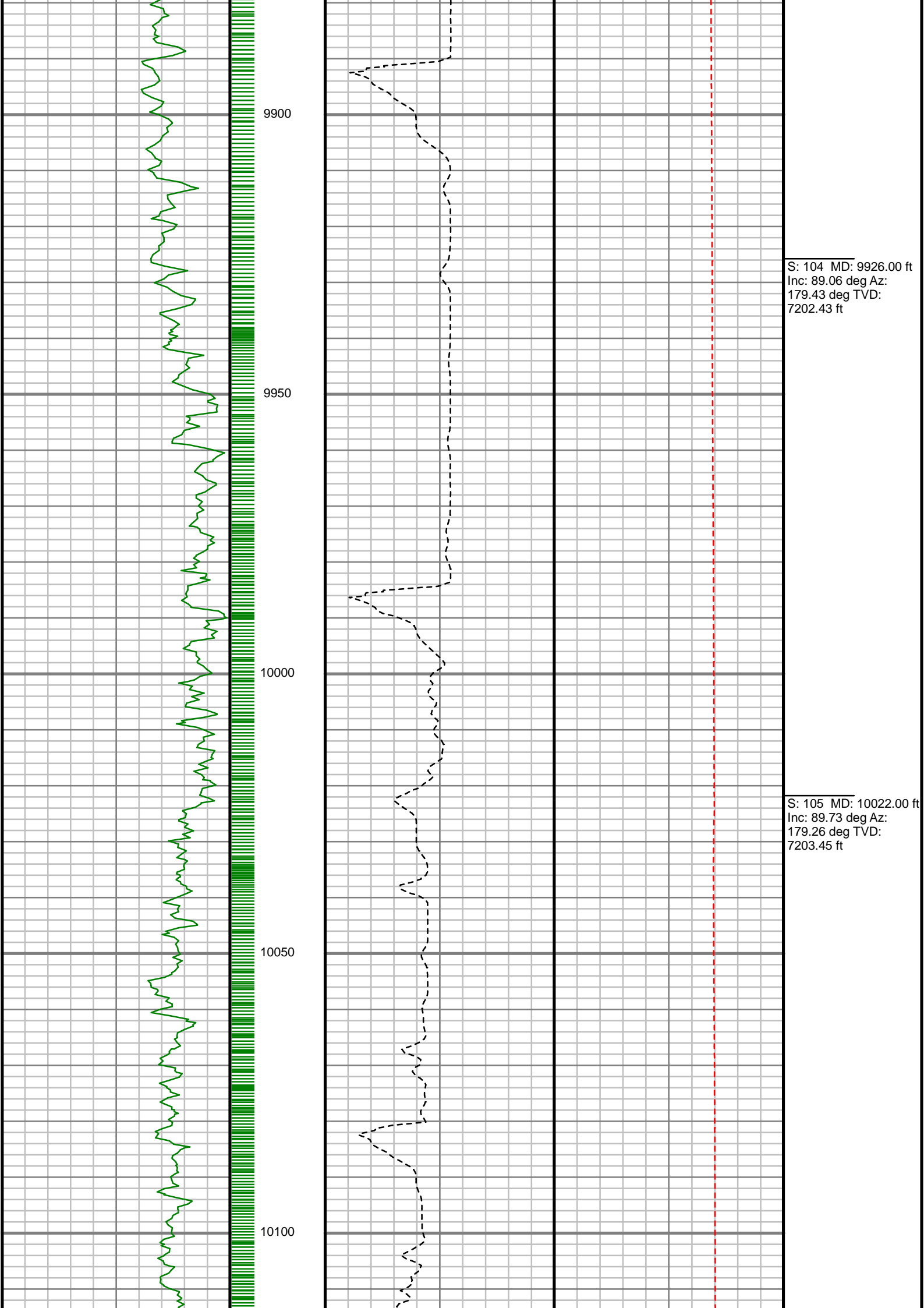


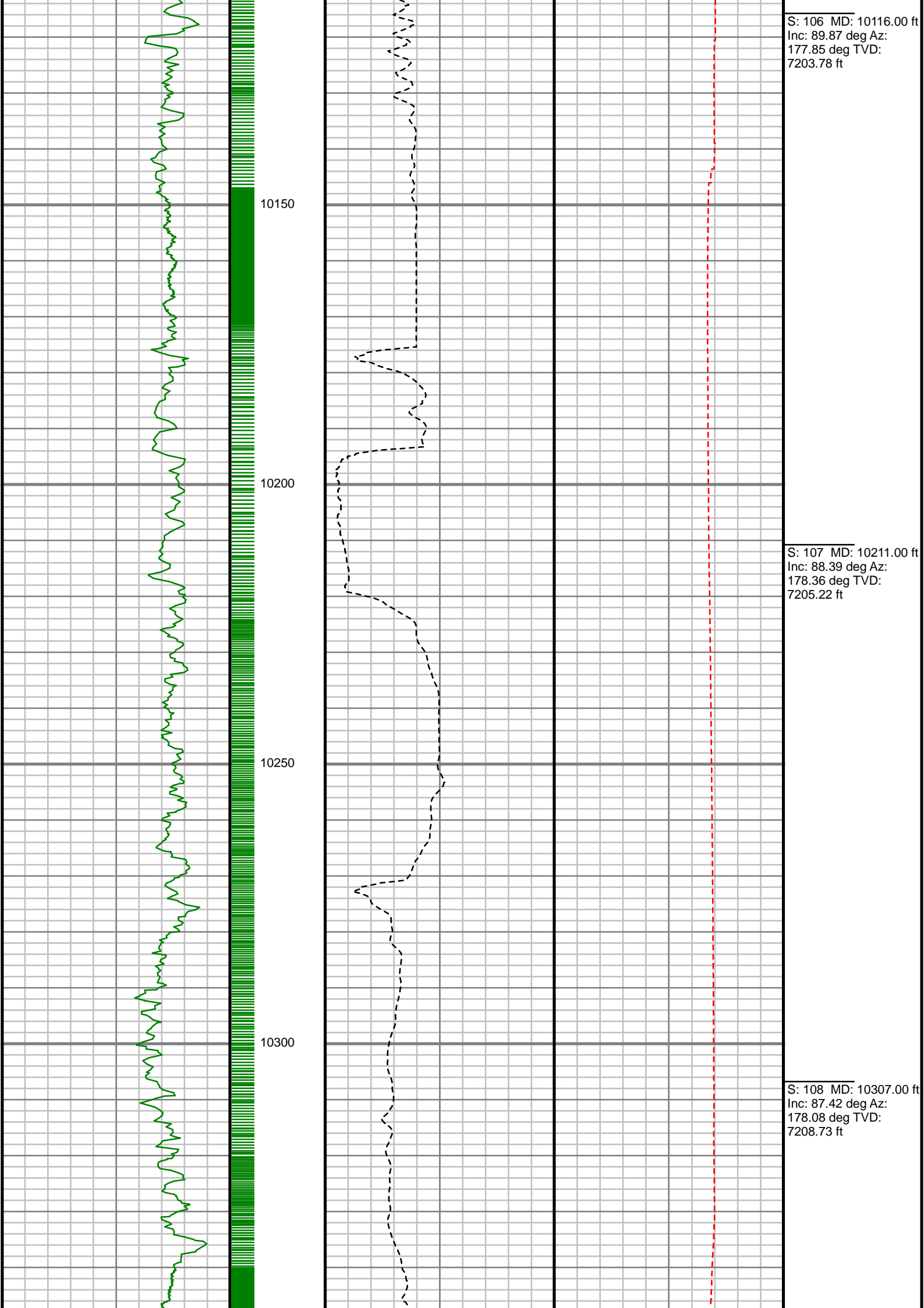








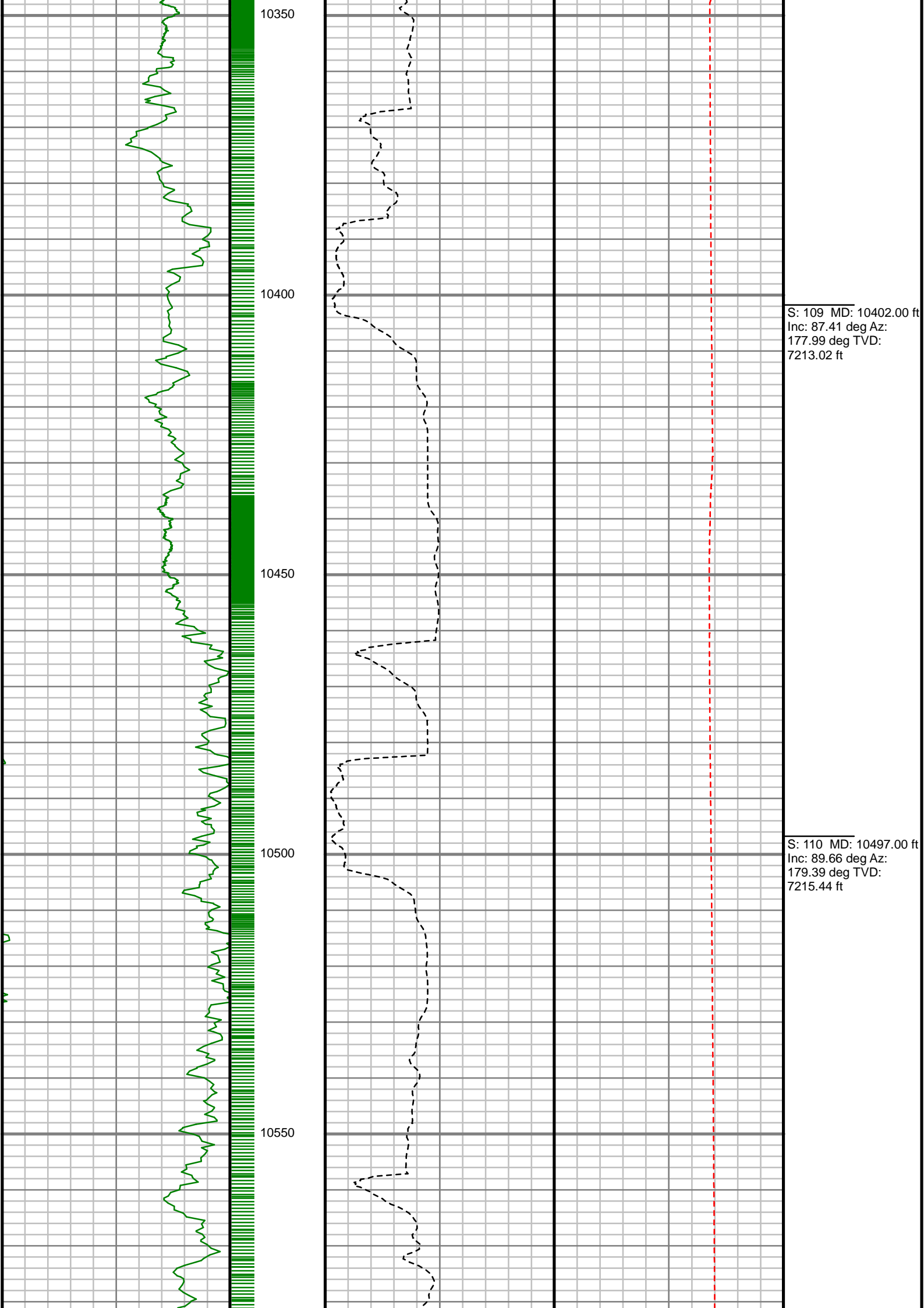




S: 106 MD: 10116.00 ft  
Inc: 89.87 deg Az:  
177.85 deg TVD:  
7203.78 ft

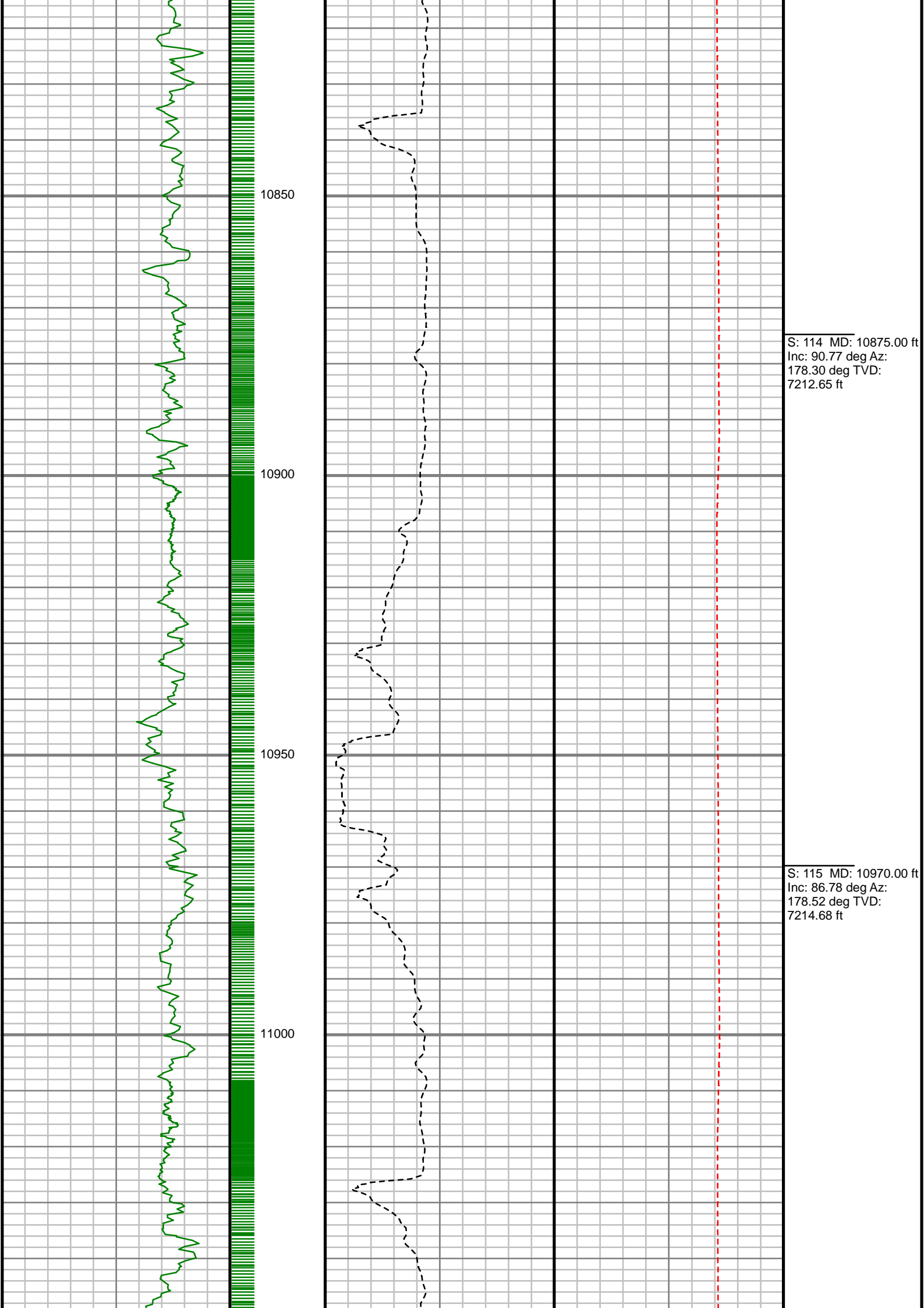
S: 107 MD: 10211.00 ft  
Inc: 88.39 deg Az:  
178.36 deg TVD:  
7205.22 ft

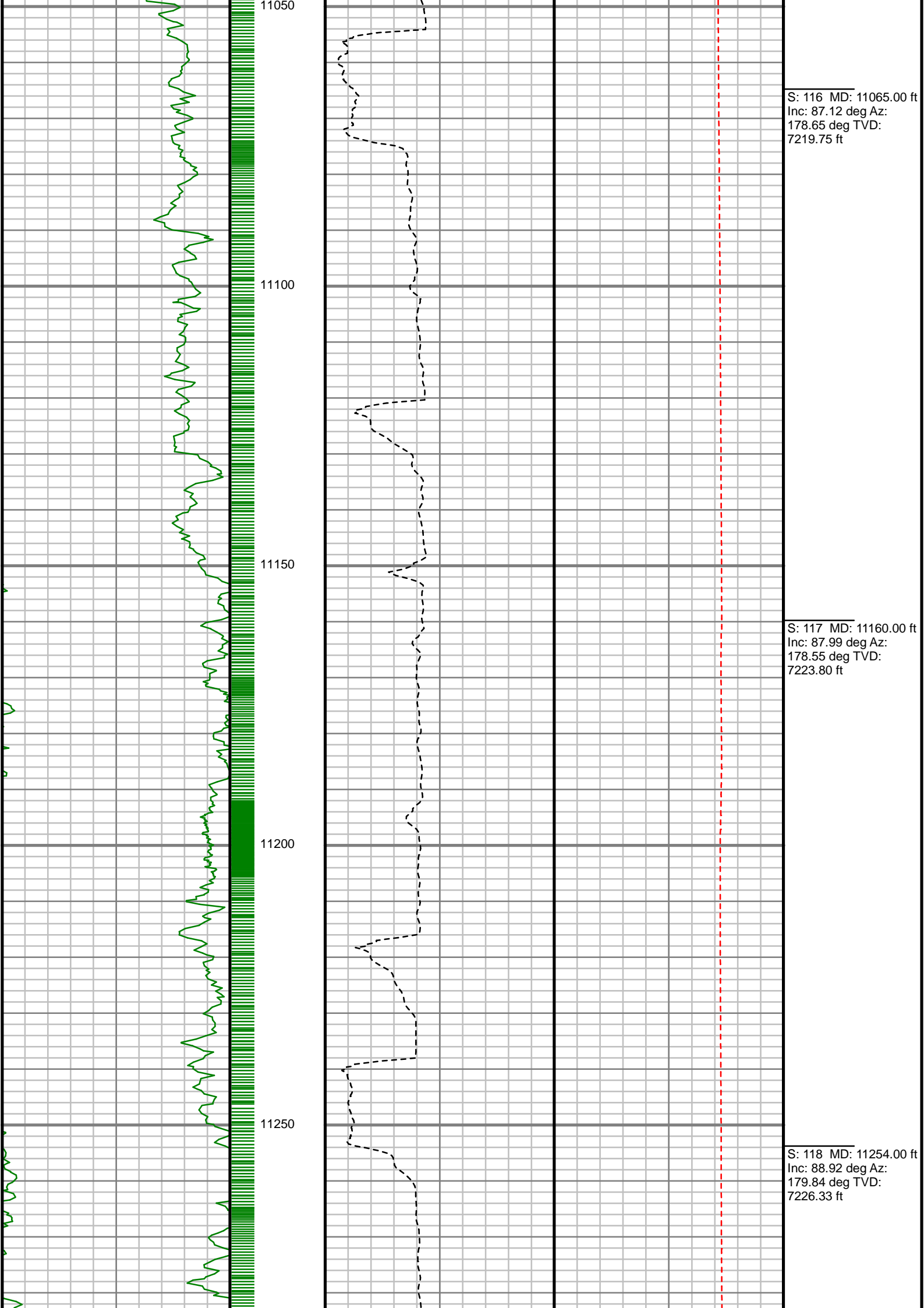
S: 108 MD: 10307.00 ft  
Inc: 87.42 deg Az:  
178.08 deg TVD:  
7208.73 ft

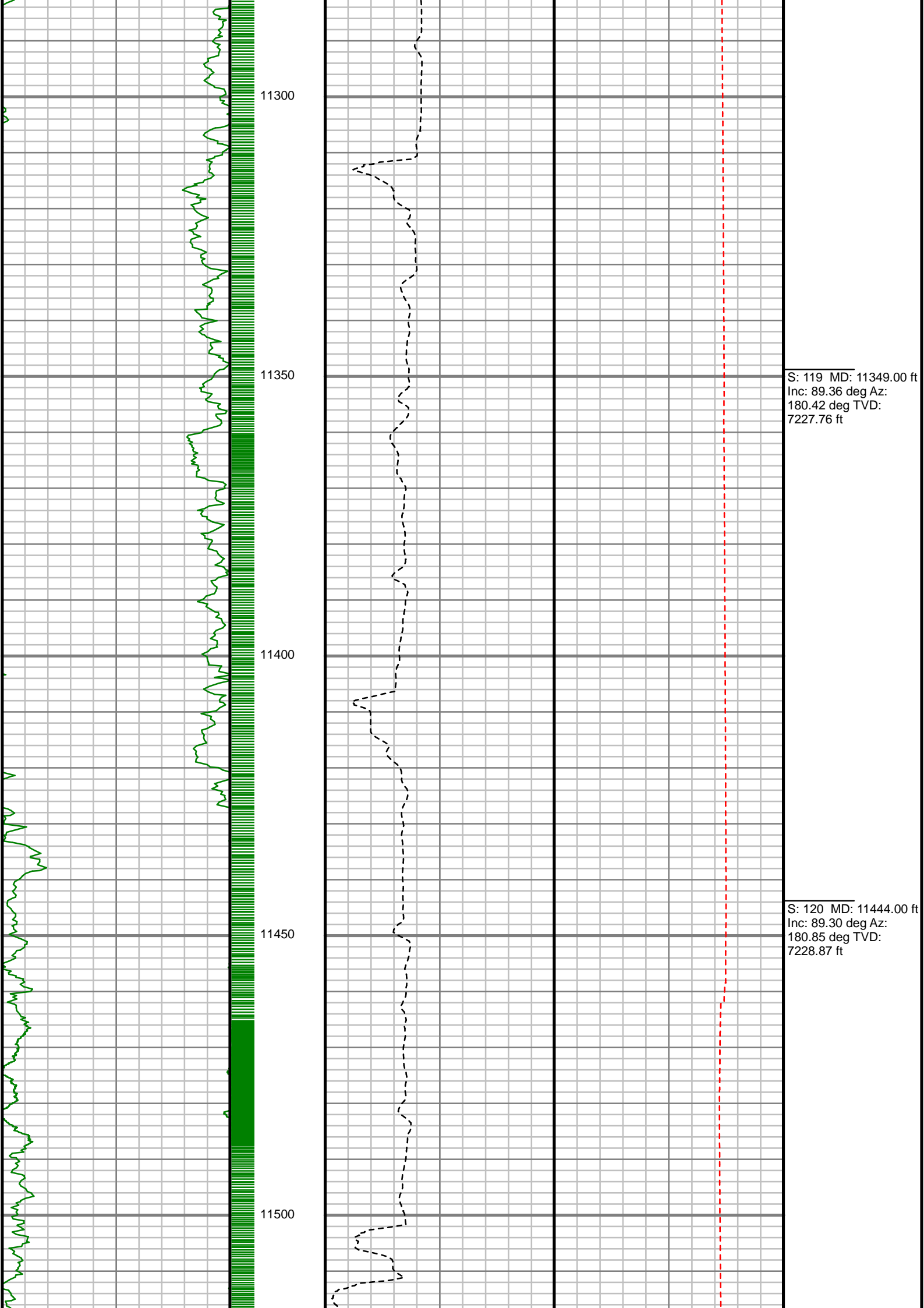


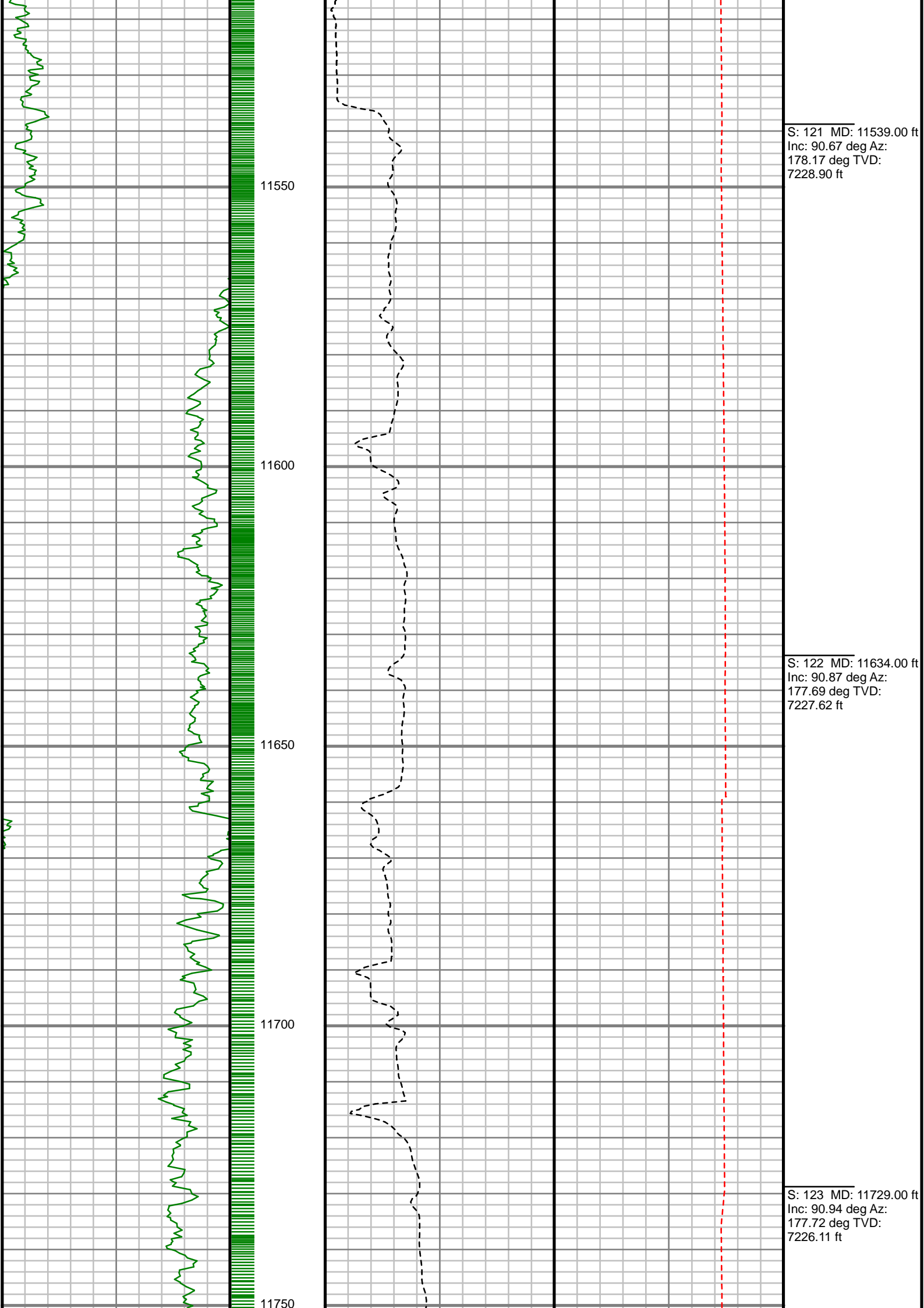


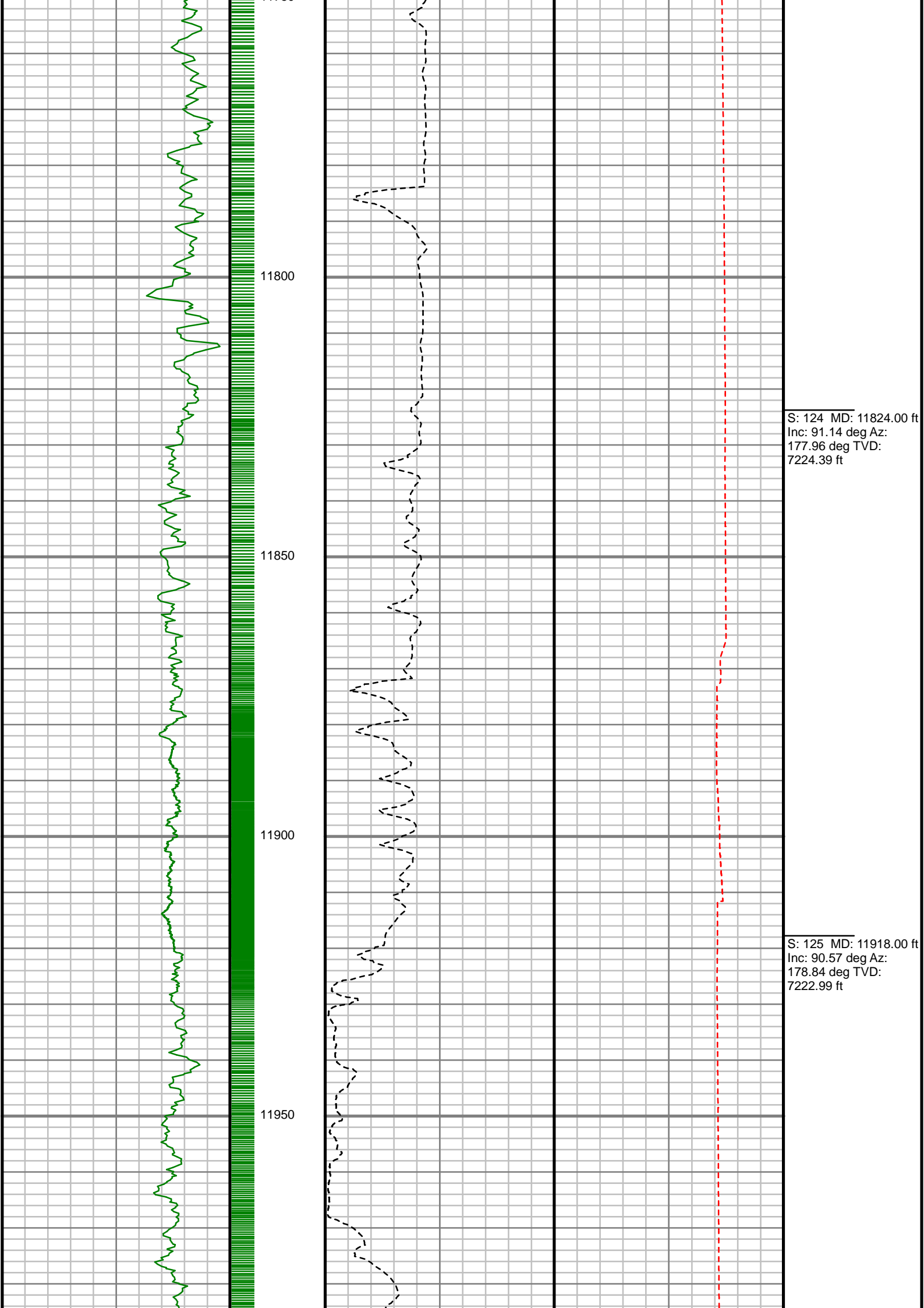


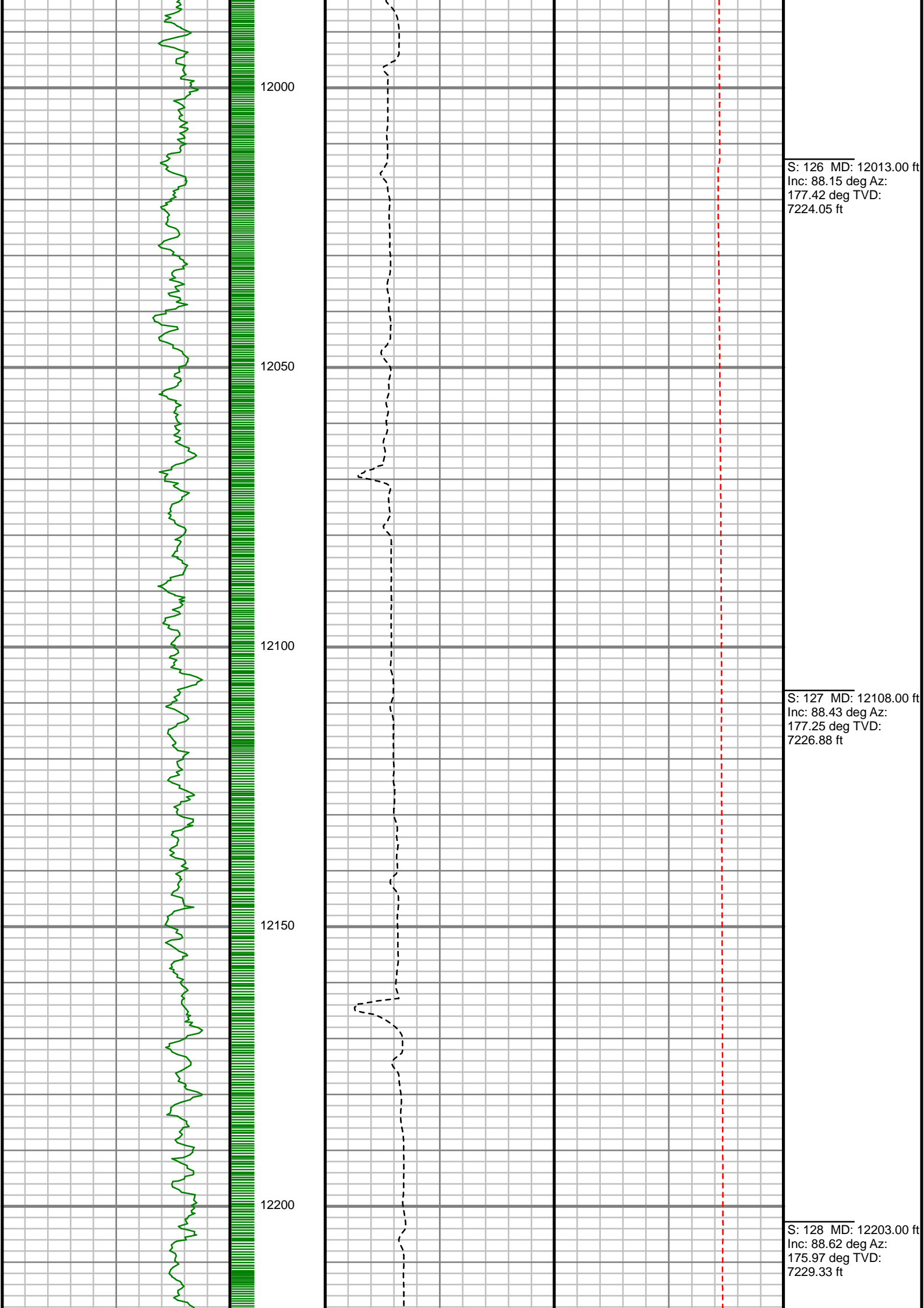


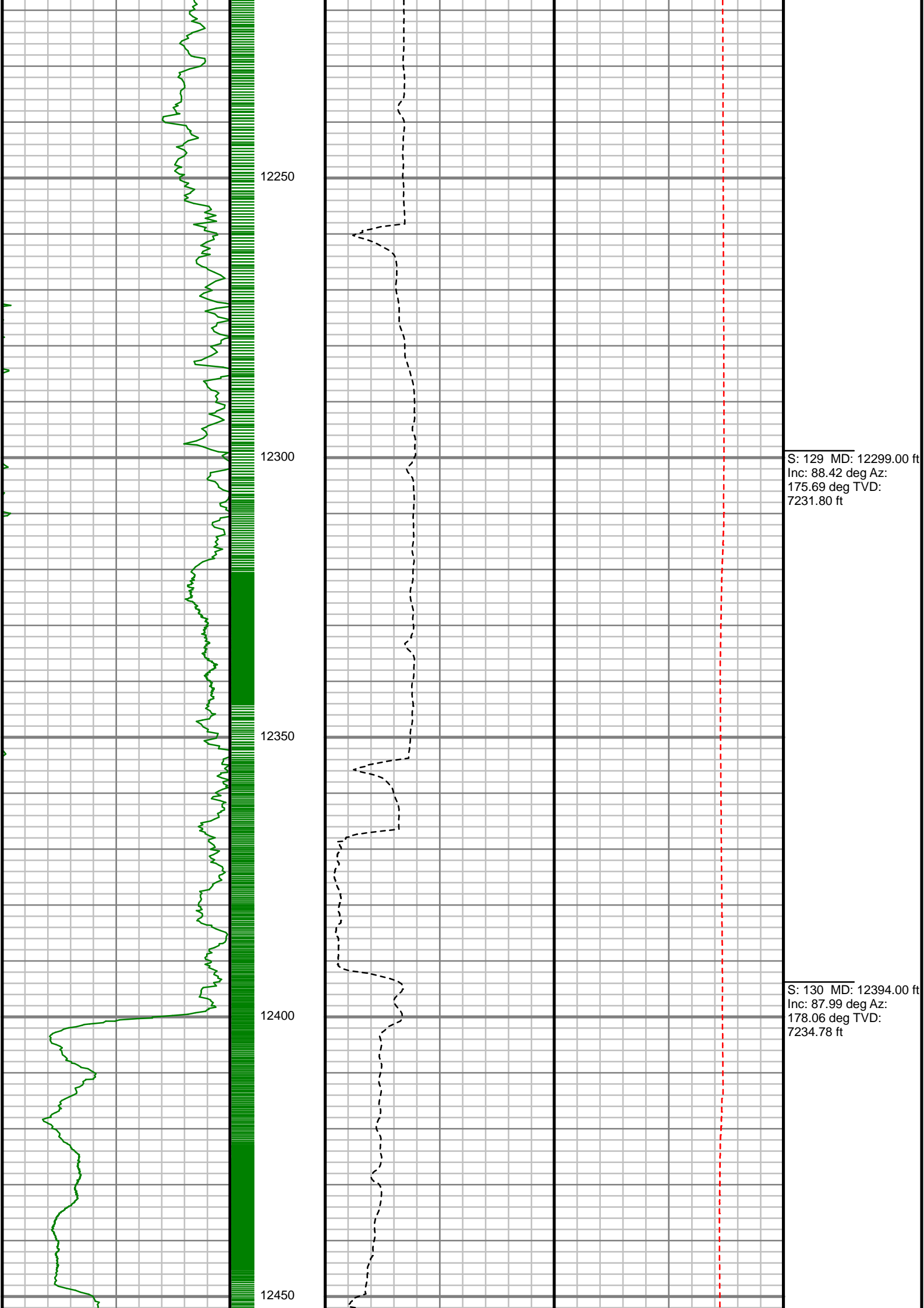


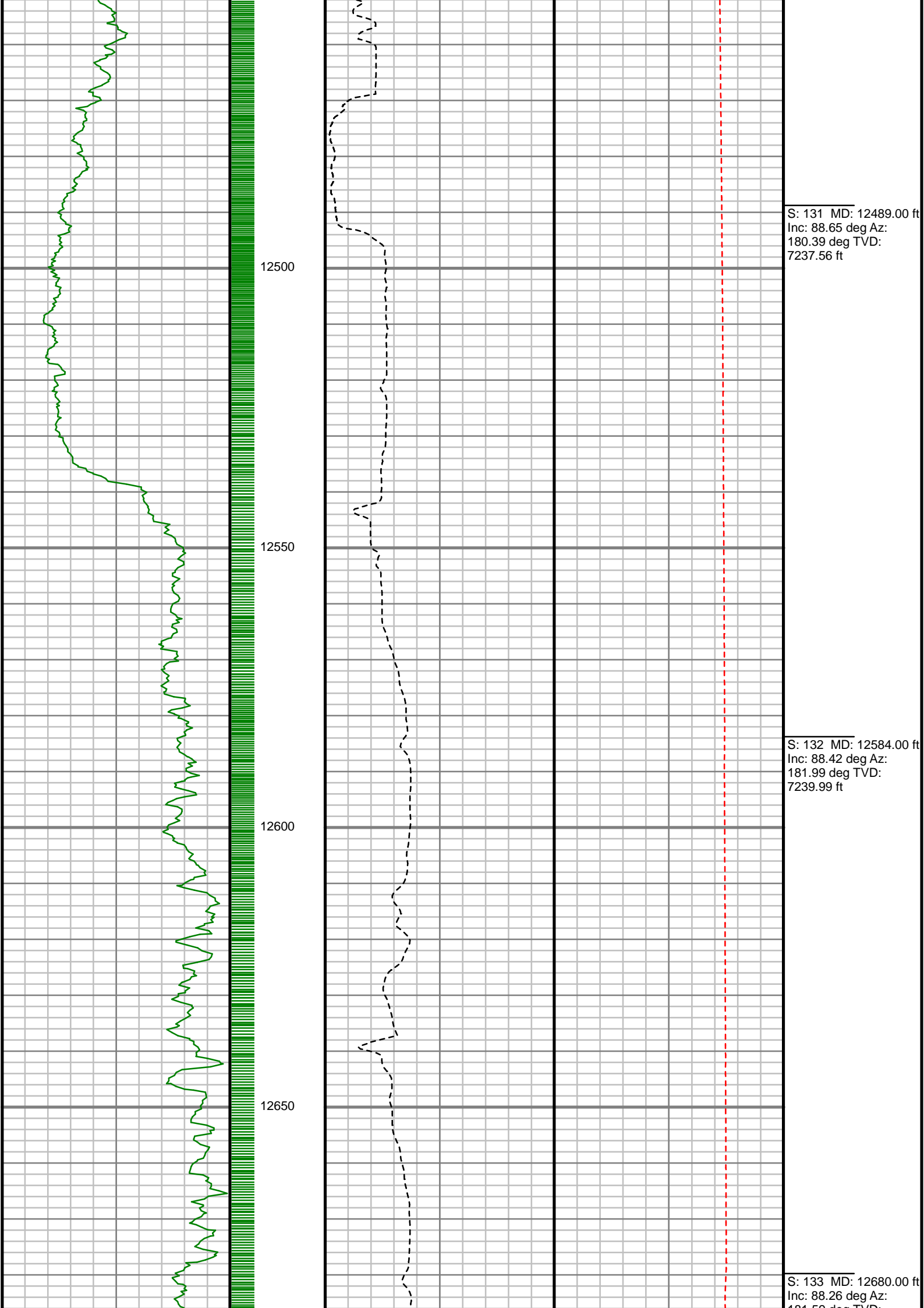




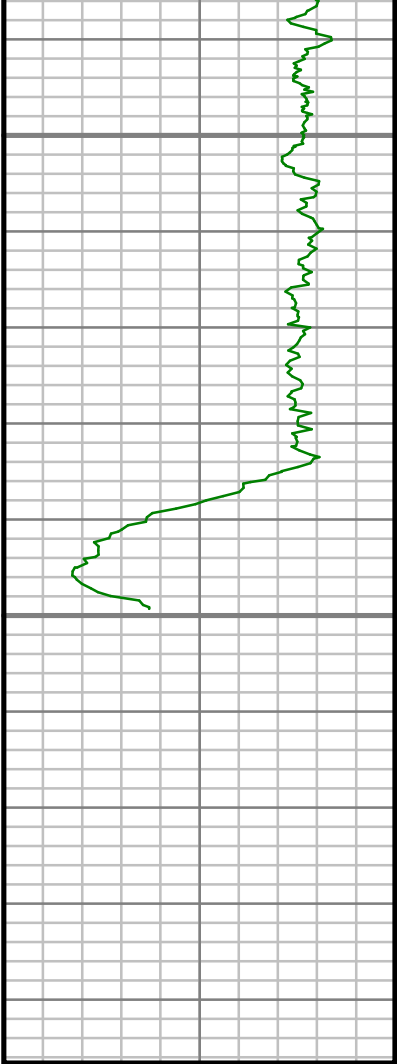












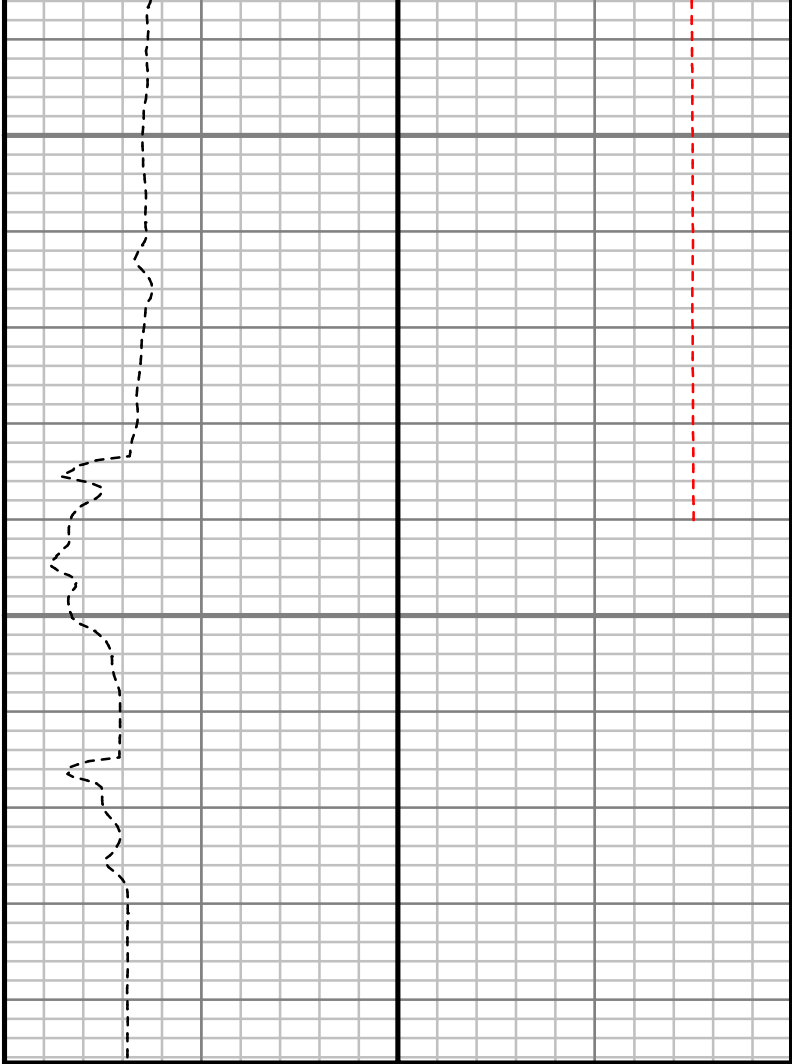
12700

12750

Gamma Ray (GR)

0 Unit = aapi 150

MEASURED DEPTH  
1:240 (ft)



Rate of Penetration (ROP)

0 Unit = ft/hr 1000

Tool Temperature (T-TEMP)

0 Unit = °F 300

181.59 deg TVD:  
7242.77 ft  
S: 134 MD: 12712.00 ft  
Inc: 88.12 deg Az:  
181.66 deg TVD:  
7243.78 ft

Comments

## MWD Survey Report

Well Location	POWERS 3-22 PAD
Well Name	POWERS 14C-22HZ
Survey Date	9/21/2015
Latitude	40°7'45.595"N
Longitude	104°39'13.694"W
Btotal	52582, 52628 nT
Dip	66.80 deg
Magnetic Declination	8.21, 8.23 deg
North Reference	True North
Grid Correction	None
Depth Reference	RKB (20.00 ft)
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 178.50Azim (deg)
Operator(s)	B. GREER, H. ORAHOD, S. WAXLER
Well Notes	

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
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
13.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	13.00
128.00	0.40	318.67	128.00	-0.31	0.30	-0.27	0.35	115.00
218.00	0.94	6.61	217.99	-1.28	1.27	-0.39	0.82	90.00
309.00	1.85	9.63	308.97	-3.46	3.46	-0.06	1.00	91.00
386.00	2.88	22.02	385.90	-6.45	6.48	0.88	1.49	77.00
476.00	3.32	17.95	475.77	-10.98	11.05	2.53	0.55	90.00
611.00	4.35	13.73	610.46	-19.61	19.75	4.95	0.79	135.00
746.00	6.25	12.32	744.88	-31.69	31.90	7.73	1.41	135.00
837.00	7.74	5.44	835.20	-42.58	42.84	9.37	1.88	91.00
971.00	9.47	17.93	967.70	-61.94	62.32	13.62	1.89	134.00
1062.00	10.59	13.65	1057.31	-77.07	77.56	17.90	1.48	91.00
1152.00	11.94	17.87	1145.57	-93.84	94.46	22.71	1.76	90.00
1287.00	13.88	19.82	1277.16	-122.10	122.99	32.48	1.47	135.00
1377.00	13.79	19.20	1364.55	-142.19	143.28	39.67	0.19	90.00
1467.00	14.17	19.04	1451.88	-162.54	163.82	46.79	0.42	90.00
1557.00	15.75	19.23	1538.83	-184.28	185.77	54.41	1.76	90.00
1647.00	16.82	19.47	1625.21	-207.86	209.58	62.77	1.19	90.00
1737.00	16.80	20.04	1711.37	-232.12	234.07	71.57	0.18	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
1836.00	16.22	19.08	1806.29	-258.37	260.58	80.99	0.65	99.00
1959.00	16.44	15.44	1924.33	-291.10	293.59	91.24	0.85	123.00
2055.00	16.32	14.91	2016.43	-317.04	319.72	98.33	0.20	96.00
2149.00	16.62	15.61	2106.58	-342.55	345.43	105.34	0.38	94.00
2244.00	15.53	14.45	2197.86	-367.76	370.83	112.17	1.20	95.00
2338.00	17.02	16.21	2288.09	-392.97	396.23	119.15	1.68	94.00
2433.00	16.30	15.78	2379.10	-418.95	422.41	126.66	0.78	95.00
2528.00	16.90	14.45	2470.14	-444.95	448.61	133.73	0.75	95.00
2624.00	15.41	14.71	2562.35	-470.62	474.46	140.45	1.55	96.00
2718.00	16.21	14.46	2652.79	-495.23	499.25	146.90	0.86	94.00
2813.00	17.05	15.72	2743.82	-521.29	525.50	153.99	0.96	95.00
2909.00	15.67	12.74	2835.93	-547.30	551.69	160.66	1.68	96.00
3004.00	17.59	15.11	2926.95	-573.50	578.07	167.23	2.14	95.00
3099.00	16.90	14.67	3017.68	-600.52	605.30	174.47	0.74	95.00
3194.00	18.09	14.50	3108.28	-627.96	632.94	181.66	1.24	95.00
3289.00	16.96	13.98	3198.87	-655.49	660.66	188.70	1.20	95.00
3385.00	16.68	13.78	3290.77	-682.28	687.62	195.37	0.29	96.00
3480.00	18.03	12.26	3381.44	-709.71	715.24	201.74	1.50	95.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
3575.00	15.26	10.57	3472.45	-736.23	741.90	207.16	2.96	95.00
3670.00	14.60	8.89	3564.24	-760.23	766.03	211.30	0.83	95.00
3765.00	15.02	14.81	3656.09	-783.84	789.77	216.30	1.65	95.00
3860.00	15.54	22.69	3747.74	-807.27	813.42	224.36	2.25	95.00
3956.00	16.78	23.71	3839.94	-831.54	837.97	234.89	1.32	96.00
4051.00	18.22	23.22	3930.54	-857.44	864.18	246.26	1.52	95.00
4146.00	19.08	23.08	4020.55	-885.05	892.12	258.20	0.91	95.00
4241.00	18.91	22.52	4110.38	-913.23	920.62	270.18	0.27	95.00
4336.00	17.29	14.70	4200.69	-940.85	948.50	279.66	3.07	95.00
4431.00	14.49	11.15	4292.05	-966.01	973.82	285.54	3.11	95.00
4526.00	16.52	10.70	4383.59	-990.81	998.76	290.35	2.13	95.00
4621.00	15.53	9.87	4474.90	-1016.48	1024.56	295.04	1.06	95.00
4716.00	16.52	12.60	4566.21	-1042.05	1050.27	300.16	1.30	95.00
4811.00	15.58	10.67	4657.50	-1067.62	1075.99	305.48	1.13	95.00
4906.00	16.54	12.42	4748.79	-1093.22	1101.73	310.75	1.12	95.00
5001.00	15.97	13.29	4840.00	-1118.98	1127.66	316.66	0.64	95.00
5097.00	14.61	13.98	4932.60	-1143.42	1152.26	322.62	1.43	96.00
5191.00	12.95	17.13	5023.89	-1164.83	1173.84	328.59	1.93	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
5286.00	10.11	13.42	5116.96	-1182.98	1192.13	333.66	3.09	95.00
5382.00	8.21	5.41	5211.74	-1197.93	1207.15	336.26	2.38	96.00
5476.00	6.37	7.84	5304.97	-1209.74	1219.00	337.60	1.99	94.00
5570.00	3.62	357.38	5398.61	-1217.85	1227.13	338.18	3.07	94.00
5666.00	2.51	352.64	5494.47	-1222.97	1232.24	337.77	1.18	96.00
5761.00	0.91	324.08	5589.43	-1225.66	1234.91	337.06	1.86	95.00
5856.00	0.36	291.11	5684.42	-1226.40	1235.63	336.34	0.67	95.00
5951.00	0.86	302.17	5779.42	-1226.91	1236.11	335.46	0.53	95.00
6045.00	1.30	299.33	5873.40	-1227.84	1237.01	333.94	0.47	94.00
6139.00	0.94	315.55	5967.38	-1228.95	1238.08	332.47	0.50	94.00
6232.00	0.86	316.34	6060.37	-1230.03	1239.13	331.45	0.09	93.00
6328.00	0.79	329.98	6156.36	-1231.14	1240.22	330.63	0.22	96.00
6422.00	0.83	316	6250.35	-1232.39	1241.46	330.34	0.49	94.00
6516.00	0.65	21.42	6344.34	-1233.56	1242.64	330.57	0.32	94.00
6611.00	0.83	137.11	6439.34	-1233.53	1242.63	331.24	1.32	95.00
6706.00	4.20	187.14	6534.24	-1229.57	1238.67	331.28	3.92	95.00
6800.00	12.33	175.60	6627.19	-1216.12	1225.22	331.62	8.78	94.00
6895.00	15.61	167.87	6719.37	-1193.42	1202.60	335.09	3.97	95.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
6989.00	24.14	182.54	6807.75	-1161.74	1170.96	336.90	10.44	94.00
7084.00	32.36	180.72	6891.36	-1116.88	1126.05	335.71	8.71	95.00
7178.00	41.09	175.79	6966.65	-1060.76	1069.97	337.67	9.79	94.00
7273.00	48.62	178.62	7033.95	-993.84	1003.10	340.82	8.20	95.00
7368.00	56.74	178.05	7091.51	-918.36	927.65	343.03	8.56	95.00
7462.00	70.31	178.69	7133.31	-834.41	843.74	345.39	14.46	94.00
7557.00	77.83	179.92	7159.37	-743.14	752.46	346.48	8.01	95.00
7652.00	83.37	178.69	7174.88	-649.46	658.79	347.62	5.97	95.00
7747.00	89.87	178.30	7180.48	-554.68	564.03	350.12	6.85	95.00
7840.00	89.36	178.96	7181.11	-461.68	471.06	352.35	0.89	93.00
7935.00	88.19	178.19	7183.14	-366.70	376.12	354.71	1.48	95.00
8029.00	89.03	177.56	7185.43	-272.74	282.21	358.19	1.12	94.00
8124.00	87.82	177.35	7188.04	-177.79	187.34	362.40	1.29	95.00
8219.00	88.46	177.70	7191.14	-82.86	92.48	366.50	0.76	95.00
8314.00	88.82	176.18	7193.39	12.08	-2.35	371.57	1.64	95.00
8409.00	89.73	175.91	7194.59	106.98	-97.12	378.11	1.00	95.00
8503.00	91.17	175.48	7193.85	200.87	-190.85	385.17	1.60	94.00
8598.00	89.33	175.99	7193.43	295.75	-285.58	392.23	2.01	95.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
8693.00	88.99	174.80	7194.82	390.60	-380.26	399.86	1.30	95.00
8788.00	89.20	176.70	7196.32	485.47	-474.98	406.90	2.01	95.00
8883.00	89.13	179.21	7197.72	580.45	-569.90	410.30	2.64	95.00
8978.00	90.34	180.05	7198.16	675.43	-664.90	410.92	1.55	95.00
9073.00	90.40	179.89	7197.55	770.39	-759.90	410.97	0.18	95.00
9168.00	89.83	179.66	7197.35	865.37	-854.90	411.34	0.65	95.00
9263.00	91.21	179.51	7196.49	960.35	-949.89	412.03	1.46	95.00
9358.00	88.42	178.90	7196.80	1055.33	-1044.87	413.36	3.00	95.00
9453.00	88.96	178.26	7198.97	1150.30	-1139.81	415.71	0.88	95.00
9547.00	89.87	177.91	7199.93	1244.30	-1233.75	418.85	1.03	94.00
9642.00	89.43	180.13	7200.52	1339.28	-1328.73	420.48	2.37	95.00
9737.00	90.20	180.38	7200.82	1434.24	-1423.73	420.06	0.85	95.00
9831.00	89.40	179.48	7201.15	1528.21	-1517.73	420.18	1.29	94.00
9926.00	89.06	179.43	7202.43	1623.18	-1612.71	421.08	0.36	95.00
10022.00	89.73	179.26	7203.45	1719.17	-1708.70	422.18	0.72	96.00
10116.00	89.87	177.85	7203.78	1813.16	-1802.67	424.55	1.50	94.00
10211.00	88.39	178.36	7205.22	1908.15	-1897.60	427.69	1.64	95.00
10307.00	87.42	178.08	7208.73	2004.08	-1993.49	430.67	1.05	96.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
10402.00	87.41	177.99	7213.02	2098.98	-2088.34	433.92	0.09	95.00
10497.00	89.66	179.39	7215.44	2193.94	-2183.28	436.09	2.79	95.00
10592.00	90.57	179.42	7215.25	2288.93	-2278.27	437.08	0.95	95.00
10686.00	91.14	179.12	7213.84	2382.91	-2372.25	438.28	0.69	94.00
10781.00	89.76	178.92	7213.09	2477.90	-2467.23	439.91	1.46	95.00
10875.00	90.77	178.30	7212.65	2571.90	-2561.20	442.19	1.25	94.00
10970.00	86.78	178.52	7214.68	2666.86	-2656.12	444.82	4.21	95.00
11065.00	87.12	178.65	7219.75	2761.72	-2750.96	447.17	0.38	95.00
11160.00	87.99	178.55	7223.80	2856.63	-2845.84	449.49	0.92	95.00
11254.00	88.92	179.84	7226.33	2950.59	-2939.80	450.81	1.70	94.00
11349.00	89.36	180.42	7227.76	3045.54	-3034.78	450.59	0.76	95.00
11444.00	89.30	180.85	7228.87	3140.47	-3129.77	449.54	0.46	95.00
11539.00	90.67	178.17	7228.90	3235.44	-3224.76	450.35	3.17	95.00
11634.00	90.87	177.69	7227.62	3330.43	-3319.69	453.79	0.54	95.00
11729.00	90.94	177.72	7226.11	3425.41	-3414.60	457.59	0.07	95.00
11824.00	91.14	177.96	7224.39	3520.38	-3509.52	461.17	0.33	95.00
11918.00	90.57	178.84	7222.99	3614.37	-3603.47	463.80	1.12	94.00
12013.00	88.15	177.42	7224.05	3709.36	-3698.40	466.90	2.95	95.00



5" = 100' FEET MD