

5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC									
WELL : BUFFALO 14C-15HZ									
FIELD : WATTENBERG									
COUNTY : WELD									
STATE : COLORADO									
COUNTRY : U.S.A.									
UWI : 05-123-36451									
COUNTRY : U.S.A.									
STATE : COLORADO									
COUNTY : WELD									
WELL LOCATION									
LAT:40°59'41.449"N LONG:104°3'26.470"W									
N:1264141.82 ft E:3141400.65 ft									
SEC:15 TWP:1 N RANGE:68 W									
OTHER SERVICES									
DIRECTIONAL									
ROP									
DEPTH REF. : RKB									
REF. HEIGHT : 20.000 ft									
GROUND LEVEL : 5132.000 ft									
G.L. to MEAN SEA LEVEL									
BOREHOLE RECORD									
DEVIATION RECORD									
HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft				
13.5	0	1306	0 - 12	0	5436				
8.75	1306	8348	12 - 0	5436	7502				
			0 - 84	7502	8348				
			84 - 91	8348	12447				
CASING RECORD									
CASING SIZE in	FROM ft	TO ft							
9.625	0	1296							
7	0	8348	DRILLING CO. : PRECISION						
			RIG : 461						
			LWD UNIT NO. : MWD-00282-CDISTRICT : CASPER						
			SPUD DATE : 03/13/2015						
			LWD START DATE : 03/14/2015						
			LWD END DATE : 03/25/2015						
			DEPTH : 1264 ft						
			DEPTH : 12447 ft						
			TOTAL DEPTH : 12447 ft						

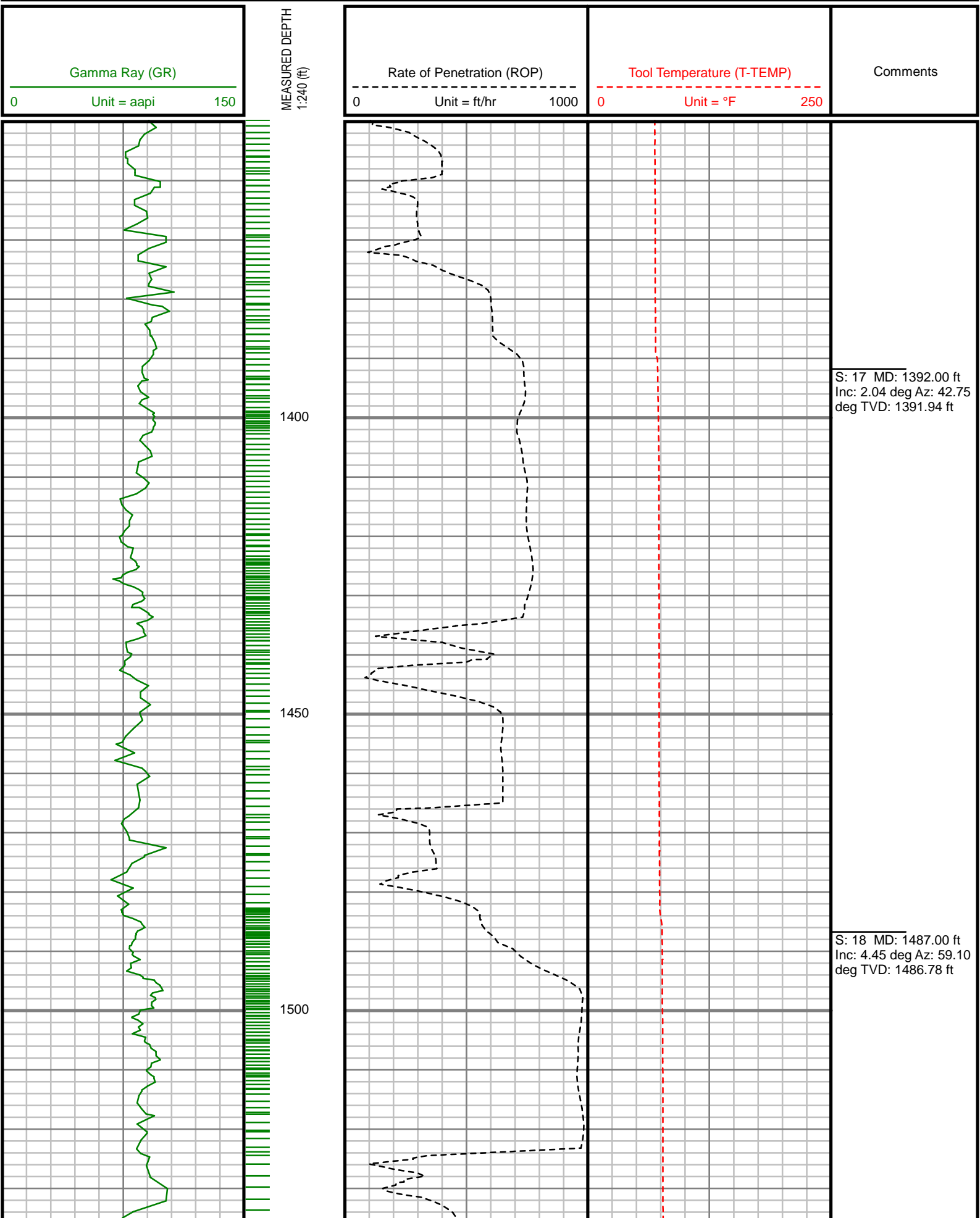
Run Data						
RUN NUMBER	1	2	3	4		
START DATE	03/14/2015	03/17/2015	03/20/2015	03/23/2015		
START TIME	0230	1800	1440	2200		
END DATE	03/16/2015	03/20/2015	03/22/2015	03/25/2015		
END TIME	0245	1320	1315	1645		
DEPTH IN (ft)	1296	2705	6867	8348		
DEPTH OUT (ft)	2705	6867	8348	12447		
LOG TOP (ft)	1296	2663	6825	8305		
LOG BOTTOM (ft)	2663	6825	8305	12397		
HOLE SIZE (in)	8.75	8.75	8.75	6.125		
MUD DATA @ (ft)	2703	2705	6913	8348		
MUD TYPE	WATER-BASED	WATER-BASED	WATER-BASED	WATER-BASED		
DENSITY (lb / gal)	8.4	8.4	9.9	10.3		
VISCOSITY (s / qt)	27	27	36	43		
pH	8.4	8.1	9.4	9.3		
FLUID LOSS (cm3 / 30)	-	-	-	-		
SALINITY (ppm)	900	-	-	-		
Rm (ohmm @ deg F)	-	-	-	-		
Rmf (ohmm @ deg F)	-	-	-	-		
MAX TEMP (deg F)	89	141	165	230		
Rm @ MAX TEMP (ohmm)	-	-	-	-		
LWD ENGINEER #1	H. ORAHOOD	H. ORAHOOD	H. ORAHOOD	C. COLLINS		
LWD ENGINEER #2	S. NEJAD	S. NEJAD	S. NEJAD	S. NEJAD		
LWD ENGINEER #3	-	-	-	-		
LOG WITNESS #1	J. MORGAN	J. MORGAN	J. MORGAN	J. MORGAN		
LOG WITNESS #2	-	-	-	-		

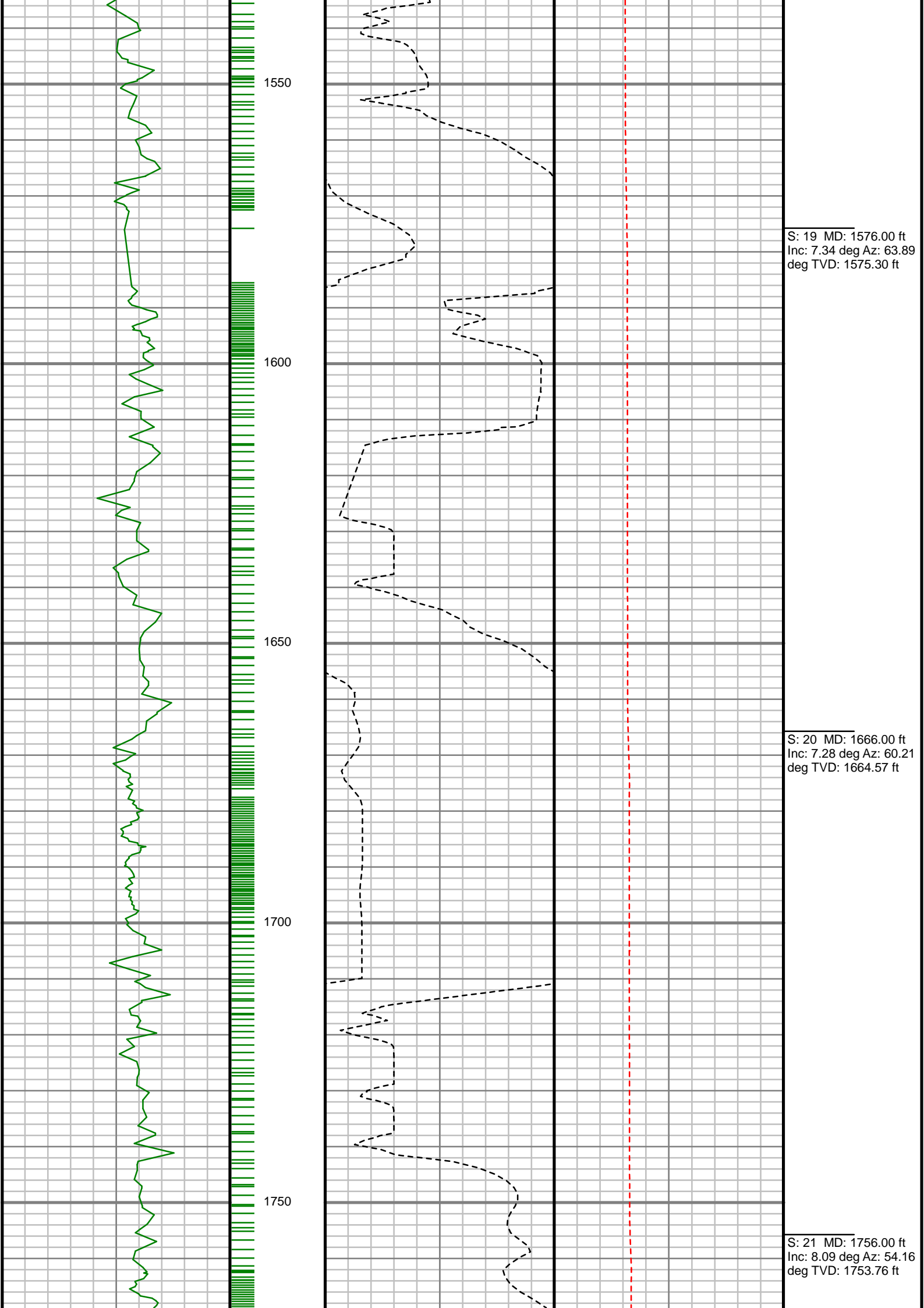
Remarks
ANADARKO PRODUCTION AFE# 2063243
SCIENTIFIC DRILLING INTERNATIONAL JOB# 263368
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO TOOL TEMPERATURE CURVE
RUN # 1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-377 / CONT = 851 / MWD EYE = 0277 / GAMMA RAY = 1012
BIT TO SENSOR OFFSETS: SURVEY = 50.21 FT. / GAMMA RAY = 41.50 FT.
RUN # 2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-272 / CONT = 0807 / MWD EYE = 894 / GAMMA RAY = 1093
BIT TO SENSOR OFFSETS: SURVEY = 50.21 FT. / GAMMA RAY = 41.50 FT.
RUN # 3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-272 / CONT = 0807 / MWD EYE = 894 / GAMMA RAY = 1093
BIT TO SENSOR OFFSETS: SURVEY = 51.39 FT. / GAMMA RAY = 42.68 FT.
RUN # 4: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-133 / CONT = 277 / MWD EYE = 280 / GAMMA RAY = 1367
BIT TO SENSOR OFFSETS: SURVEY = 58.62 FT. / GAMMA RAY = 49.91 FT.

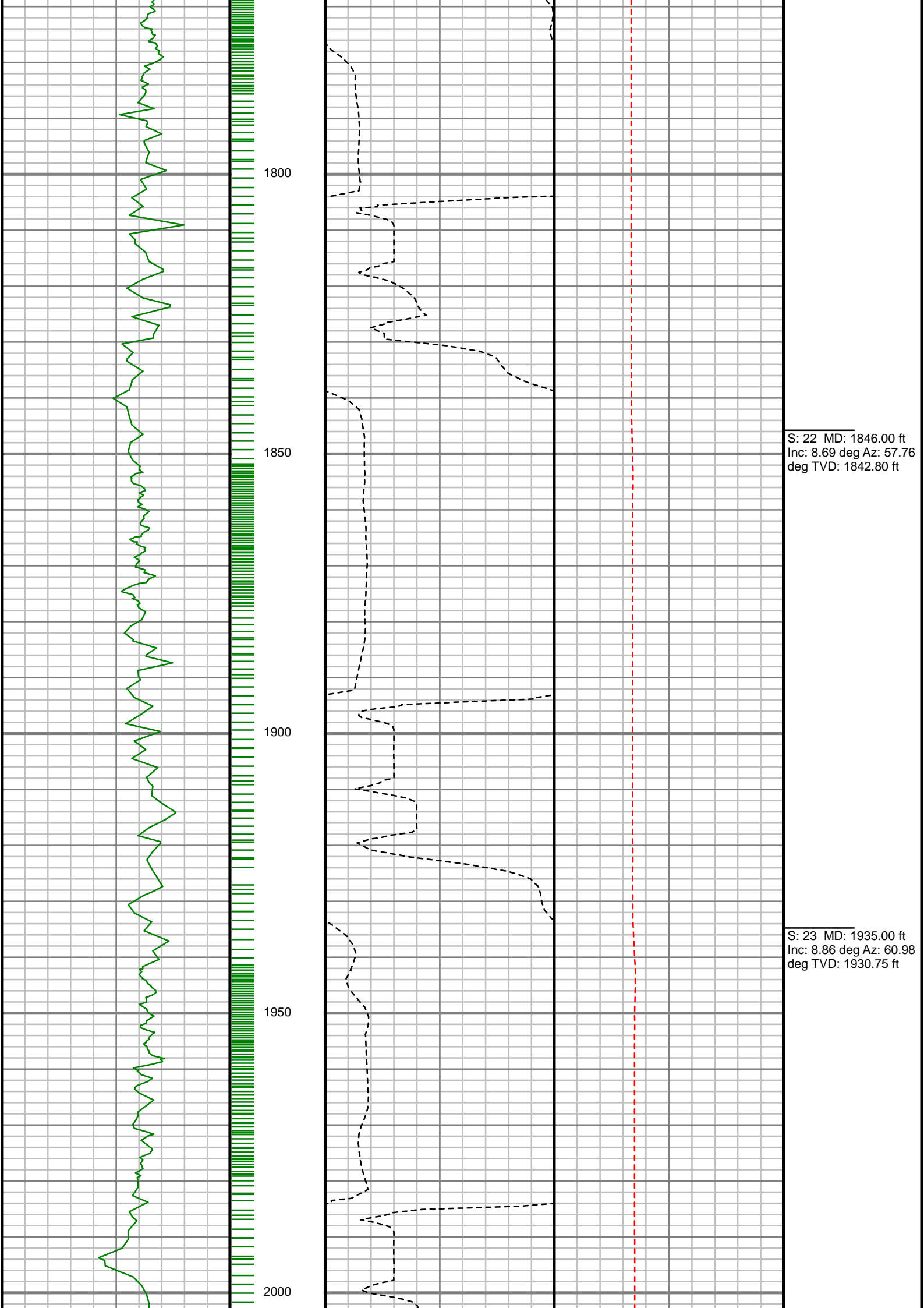
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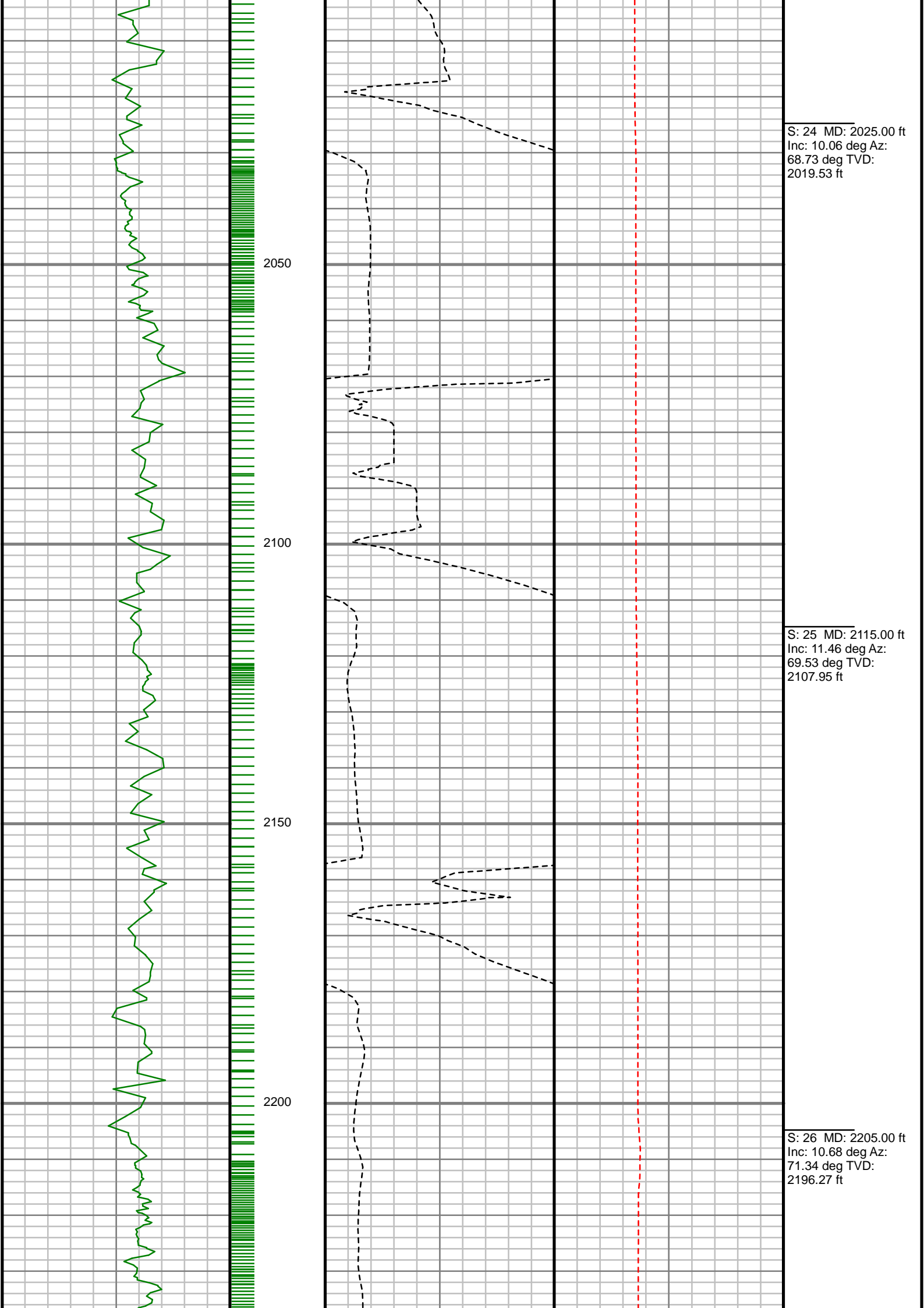
Our interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

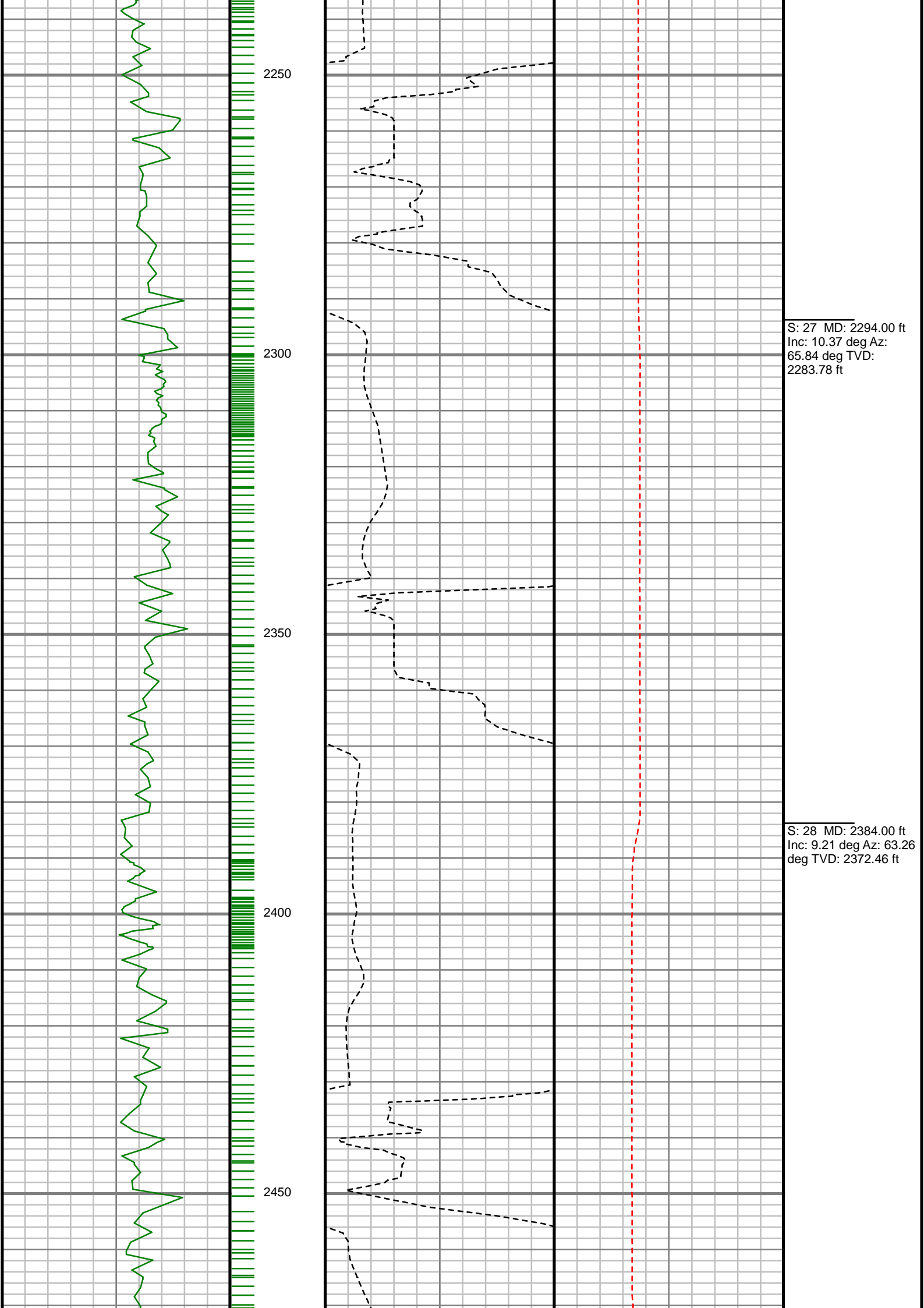
ANADARKO E&P ONSHORE LLC
BUFFALO 14C-15HZ
WATTENBERG FIELD
WELD COUNTY, COLORADO
05-123-36451

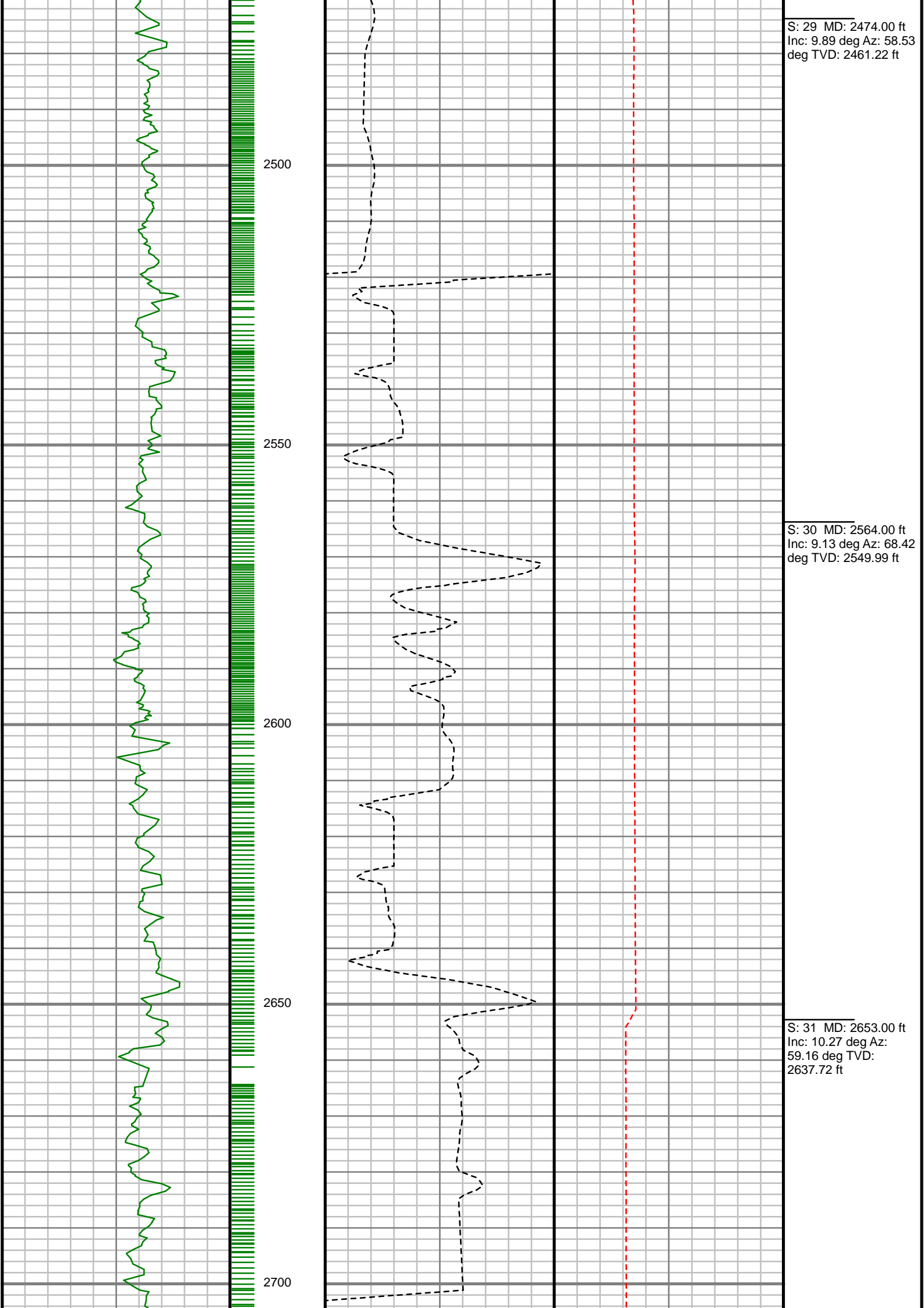


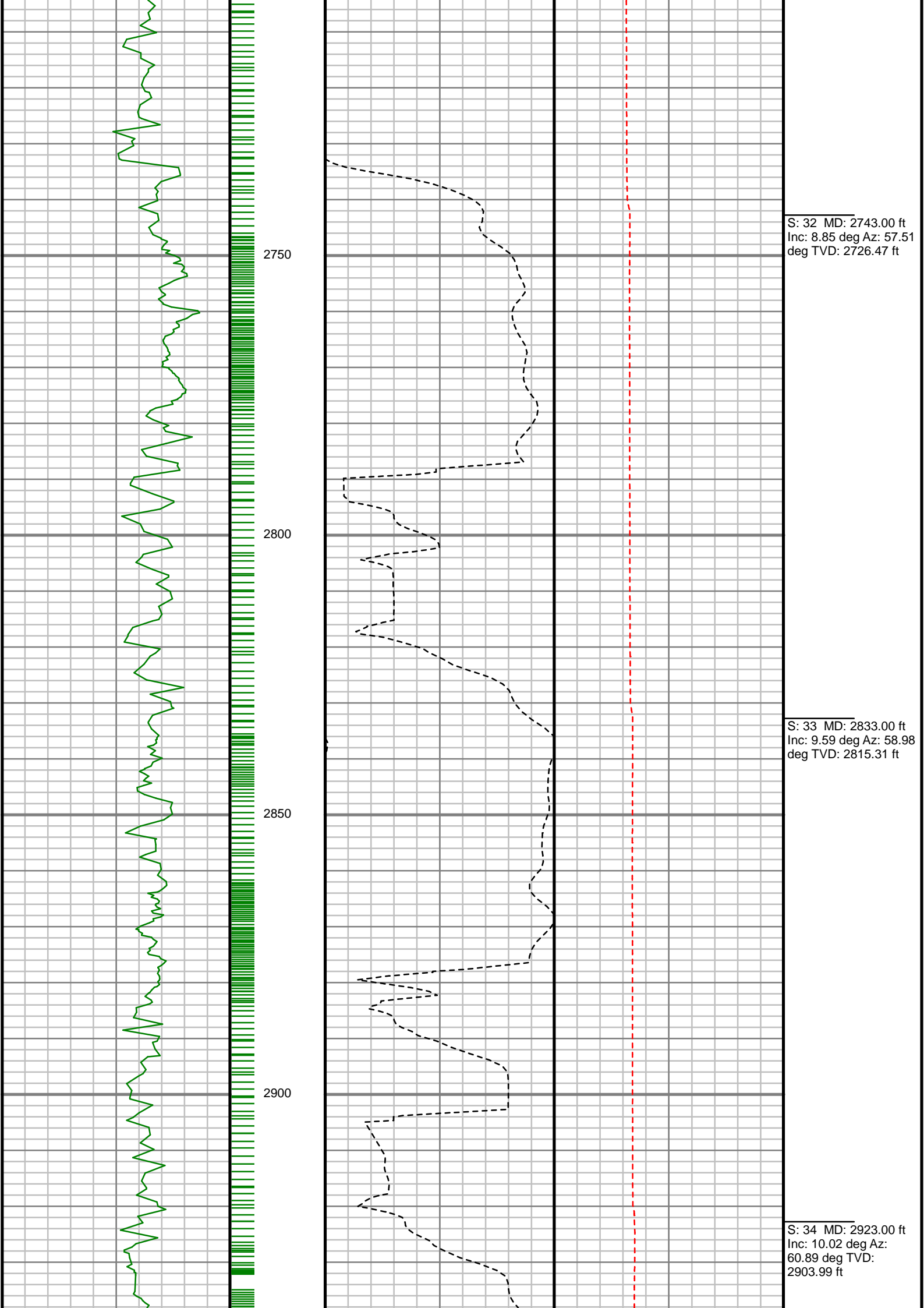


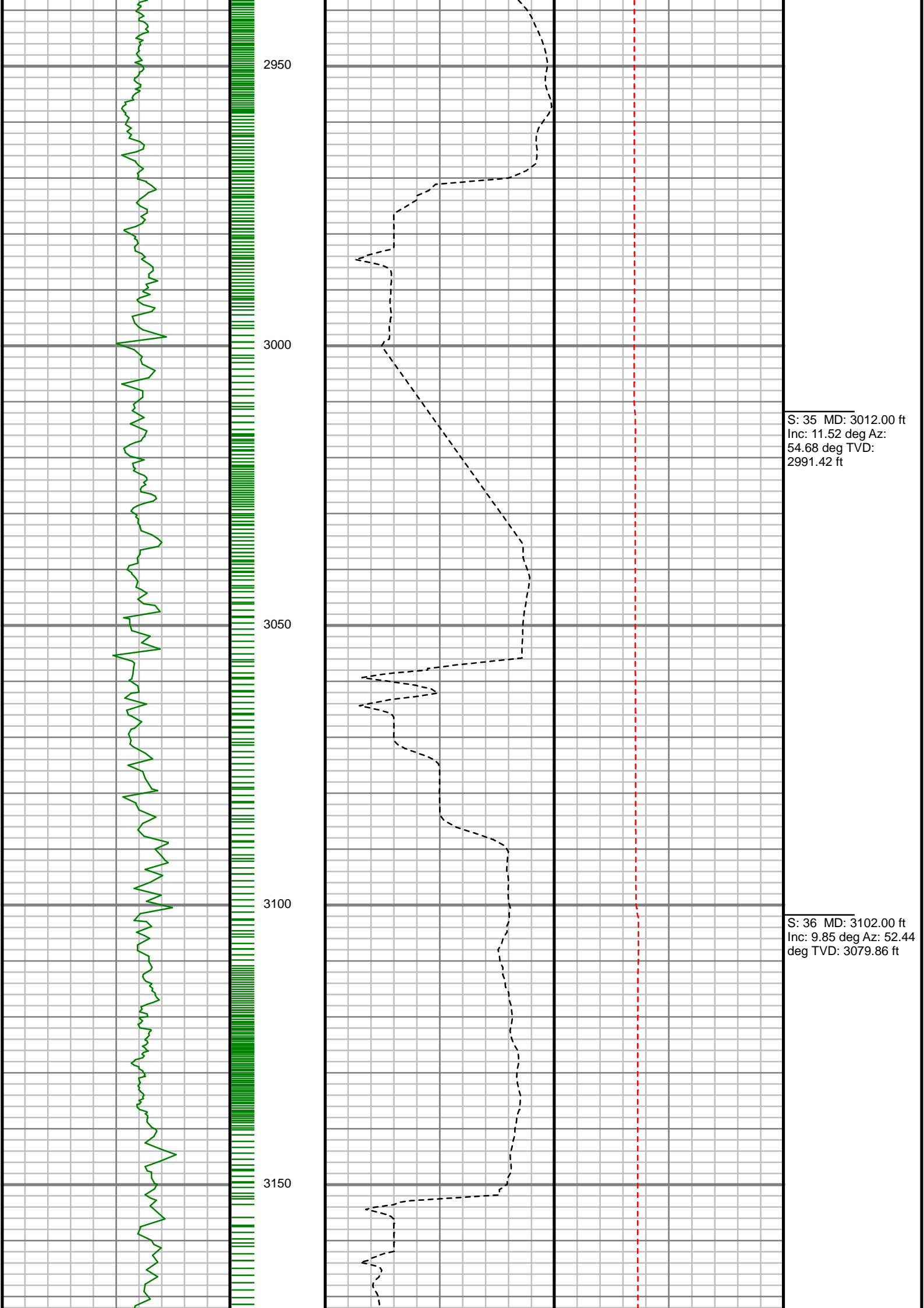


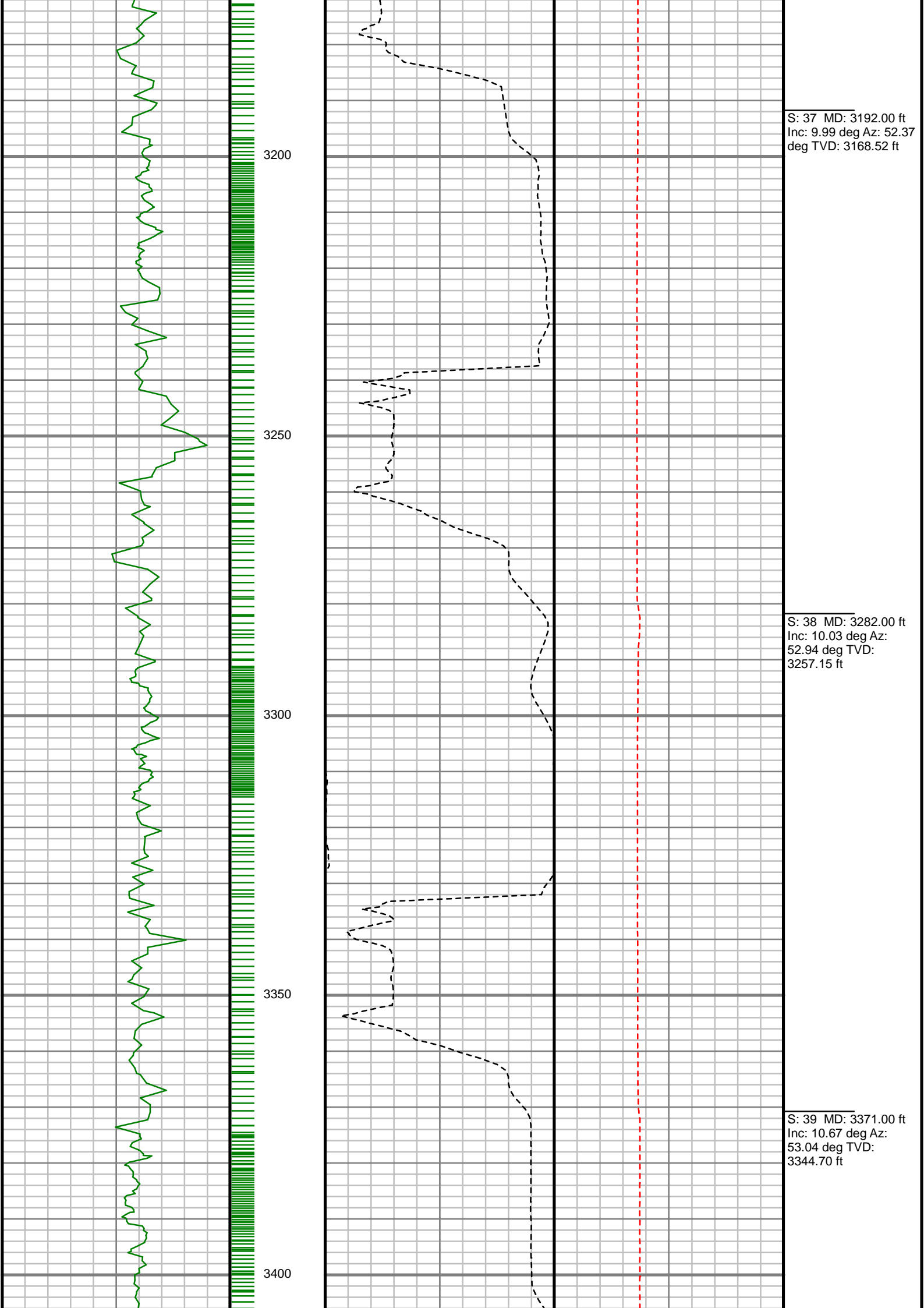


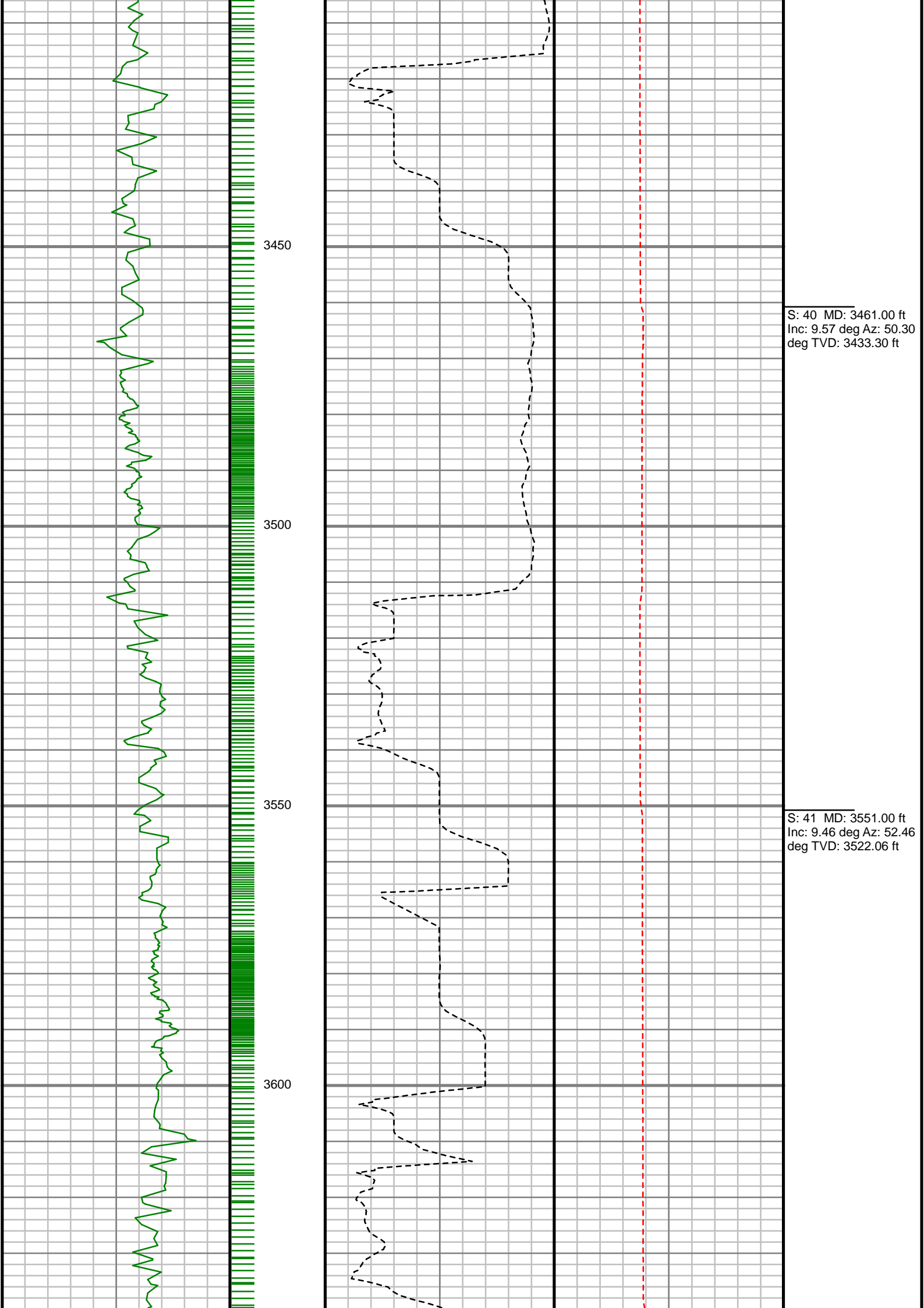


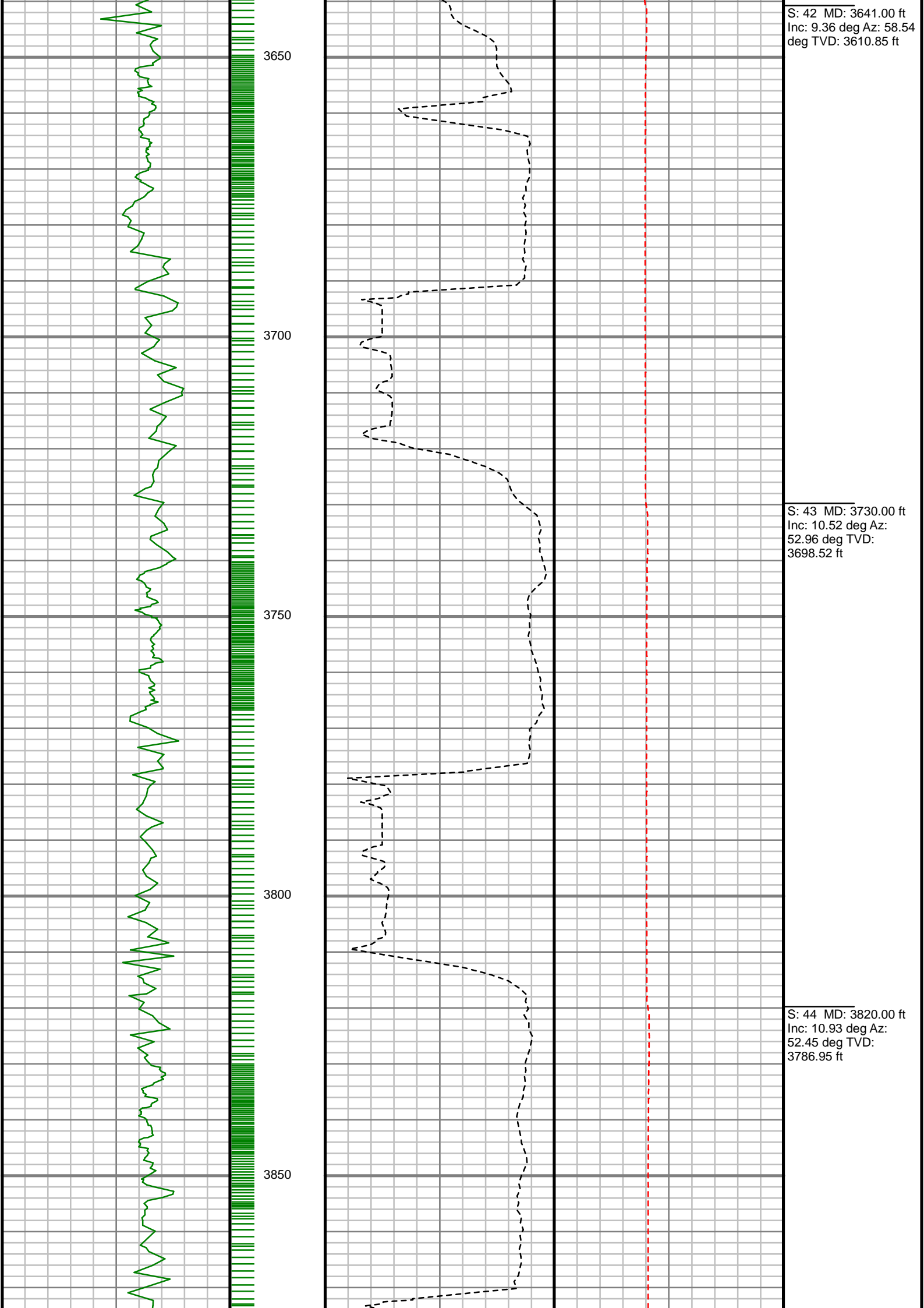








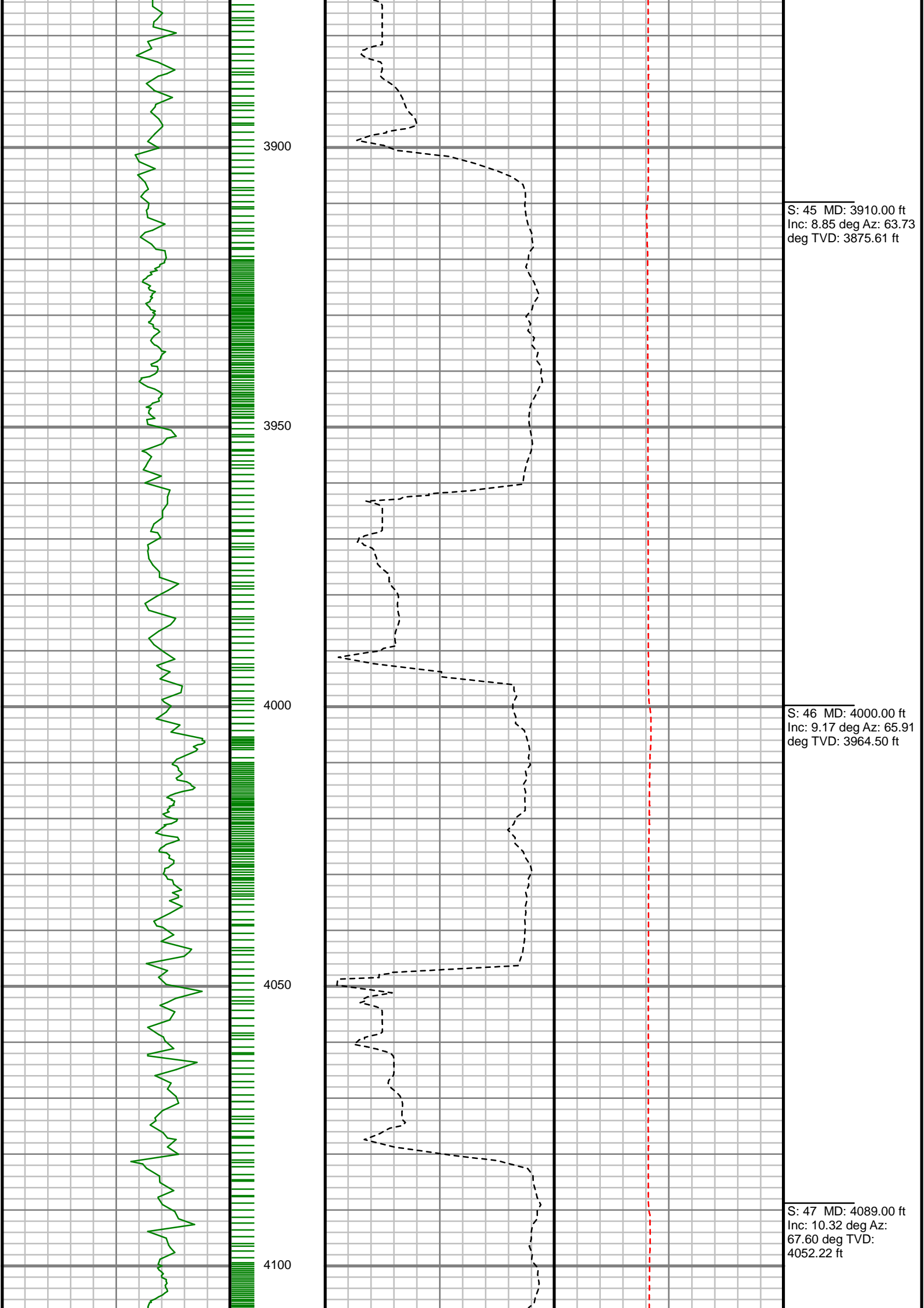


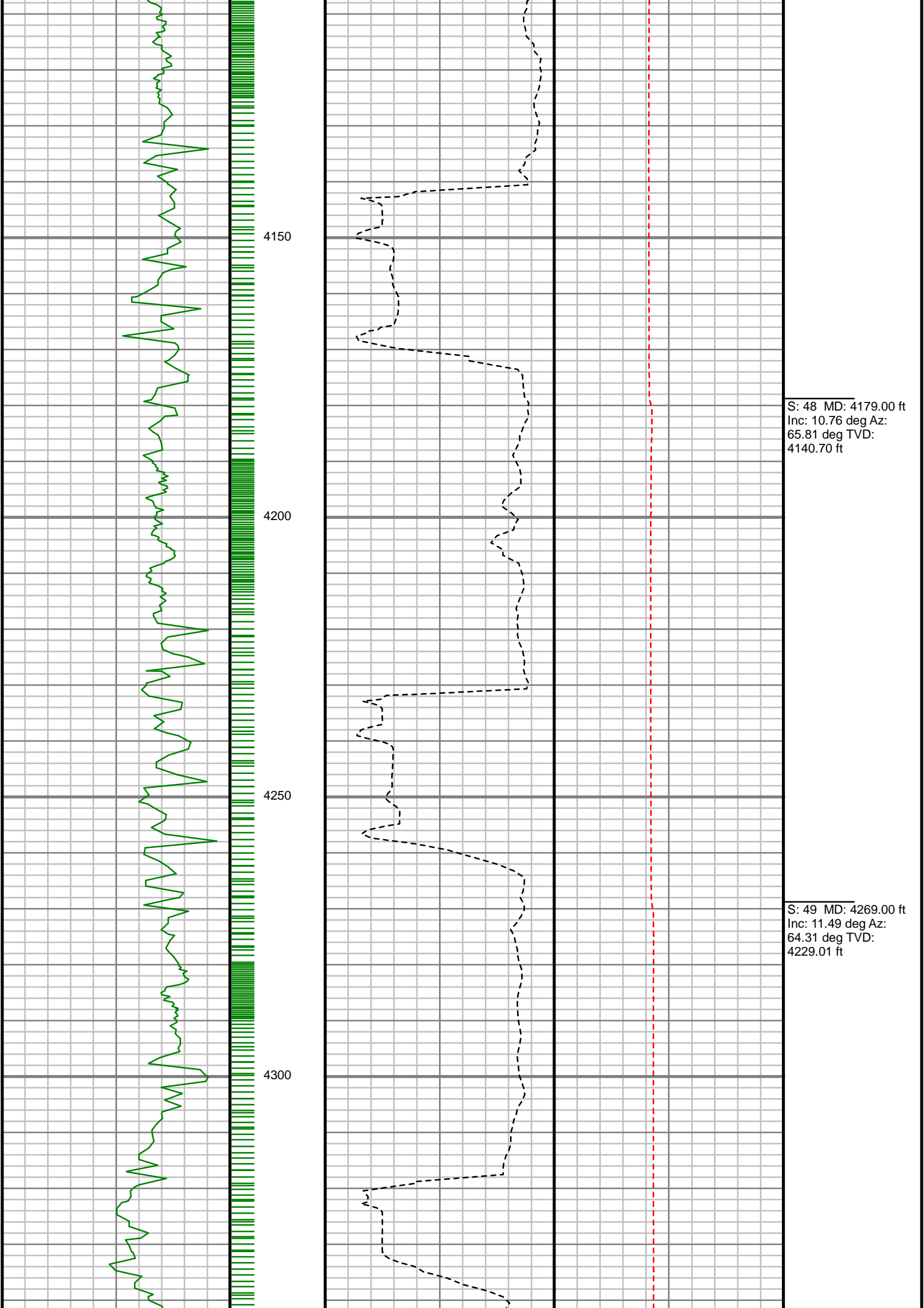


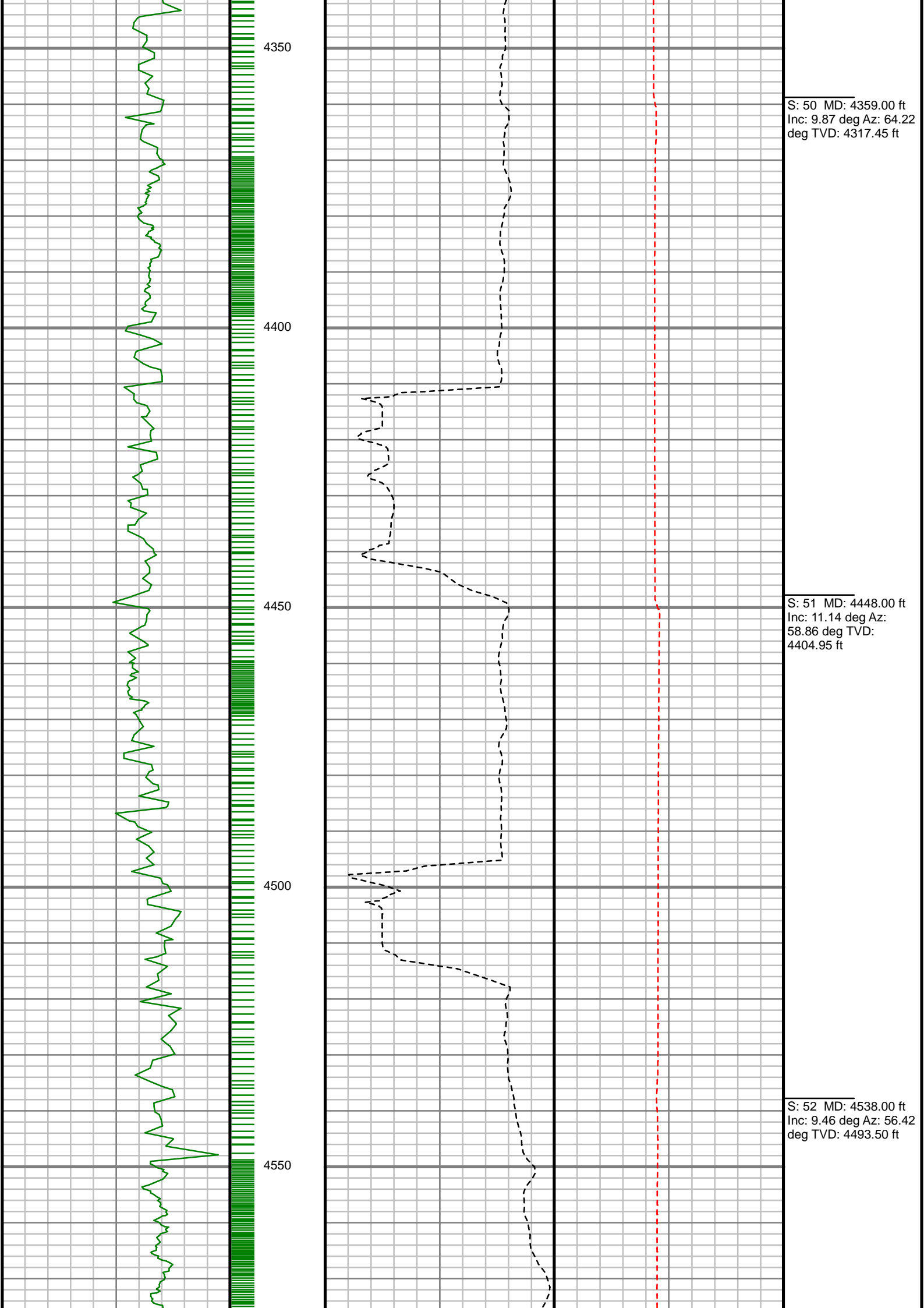
S: 42 MD: 3641.00 ft
Inc: 9.36 deg Az: 58.54
deg TVD: 3610.85 ft

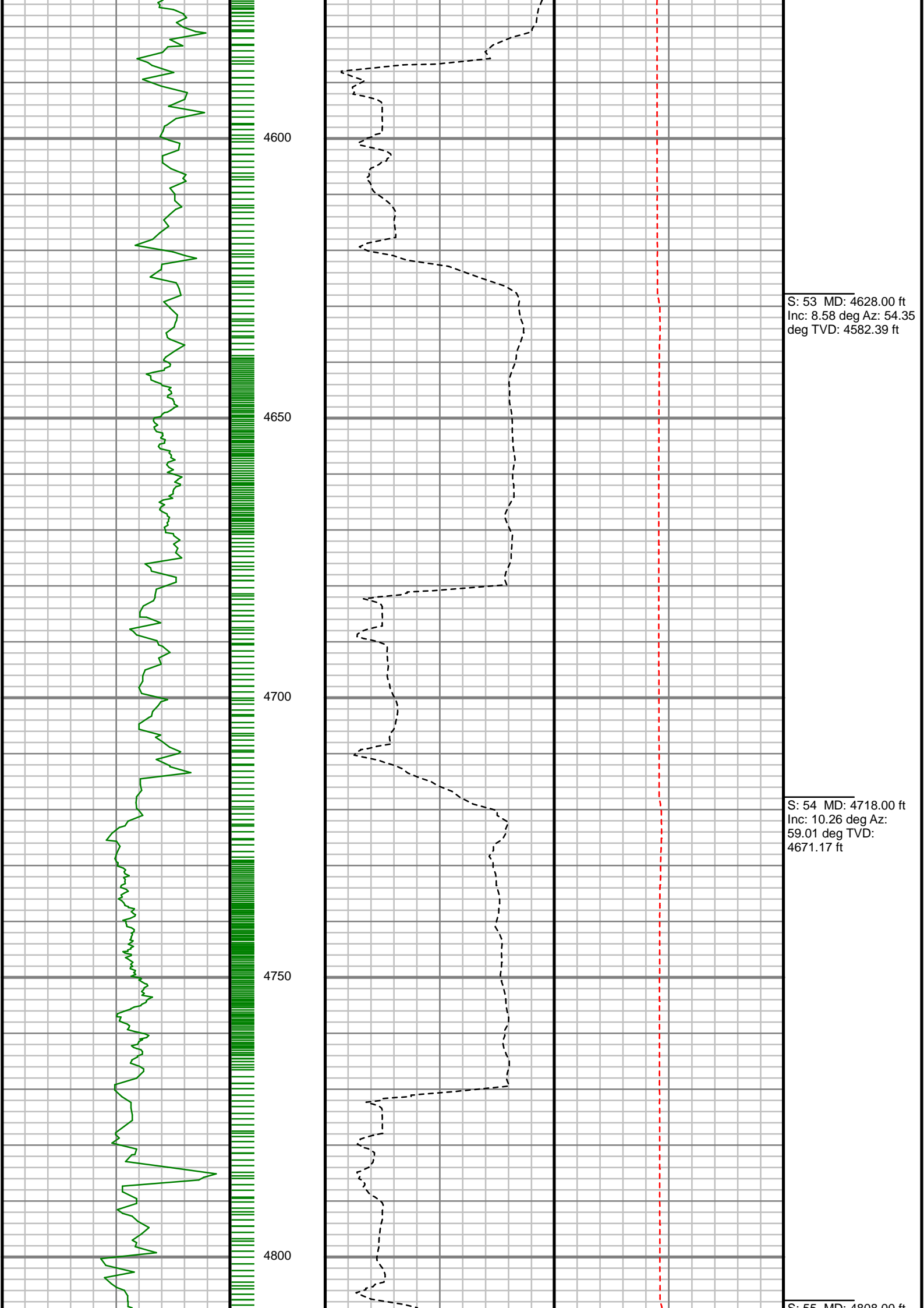
S: 43 MD: 3730.00 ft
Inc: 10.52 deg Az:
52.96 deg TVD:
3698.52 ft

S: 44 MD: 3820.00 ft
Inc: 10.93 deg Az:
52.45 deg TVD:
3786.95 ft





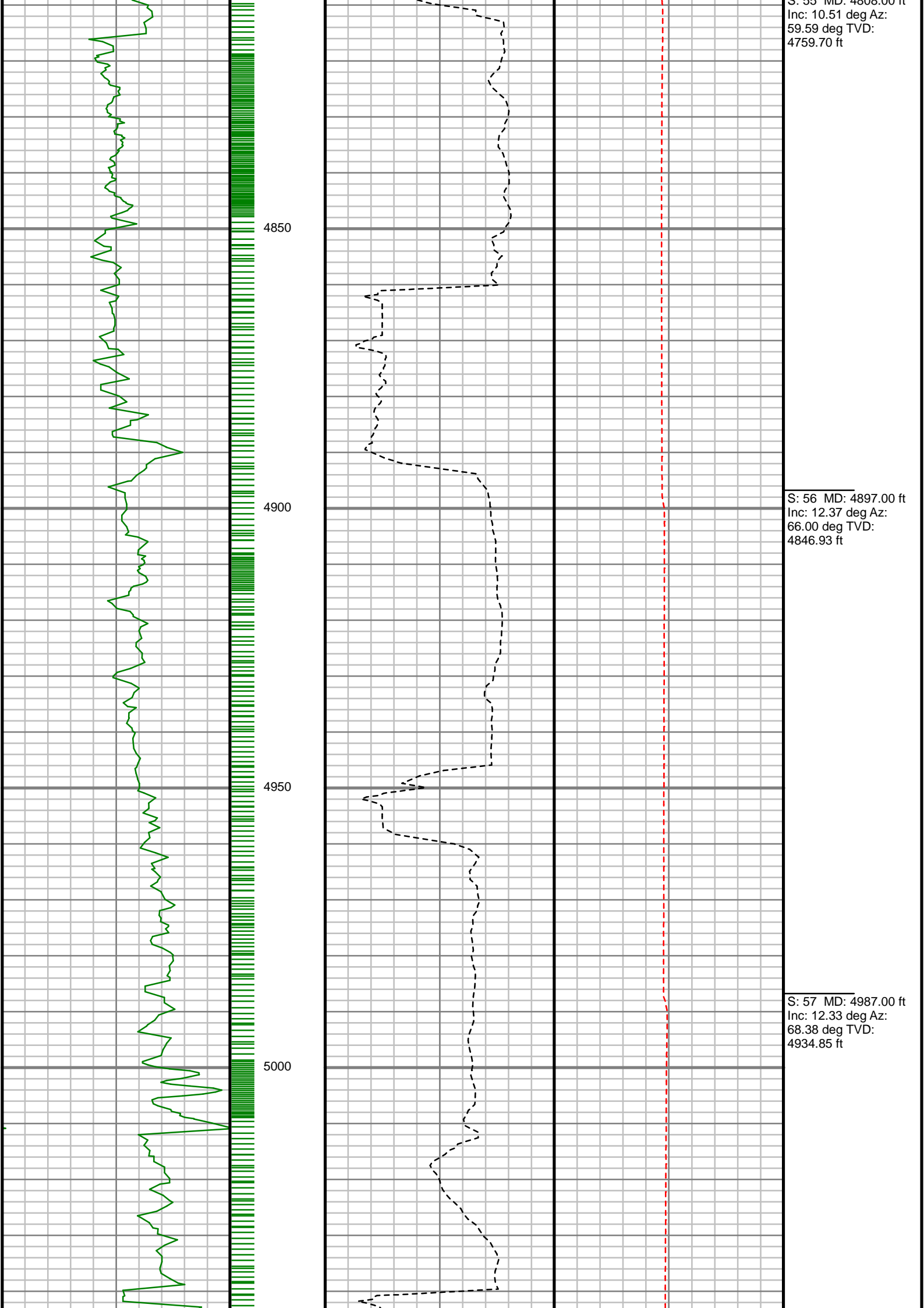




S: 53 MD: 4628.00 ft
Inc: 8.58 deg Az: 54.35 deg
TVD: 4582.39 ft

S: 54 MD: 4718.00 ft
Inc: 10.26 deg Az: 59.01 deg
TVD: 4671.17 ft

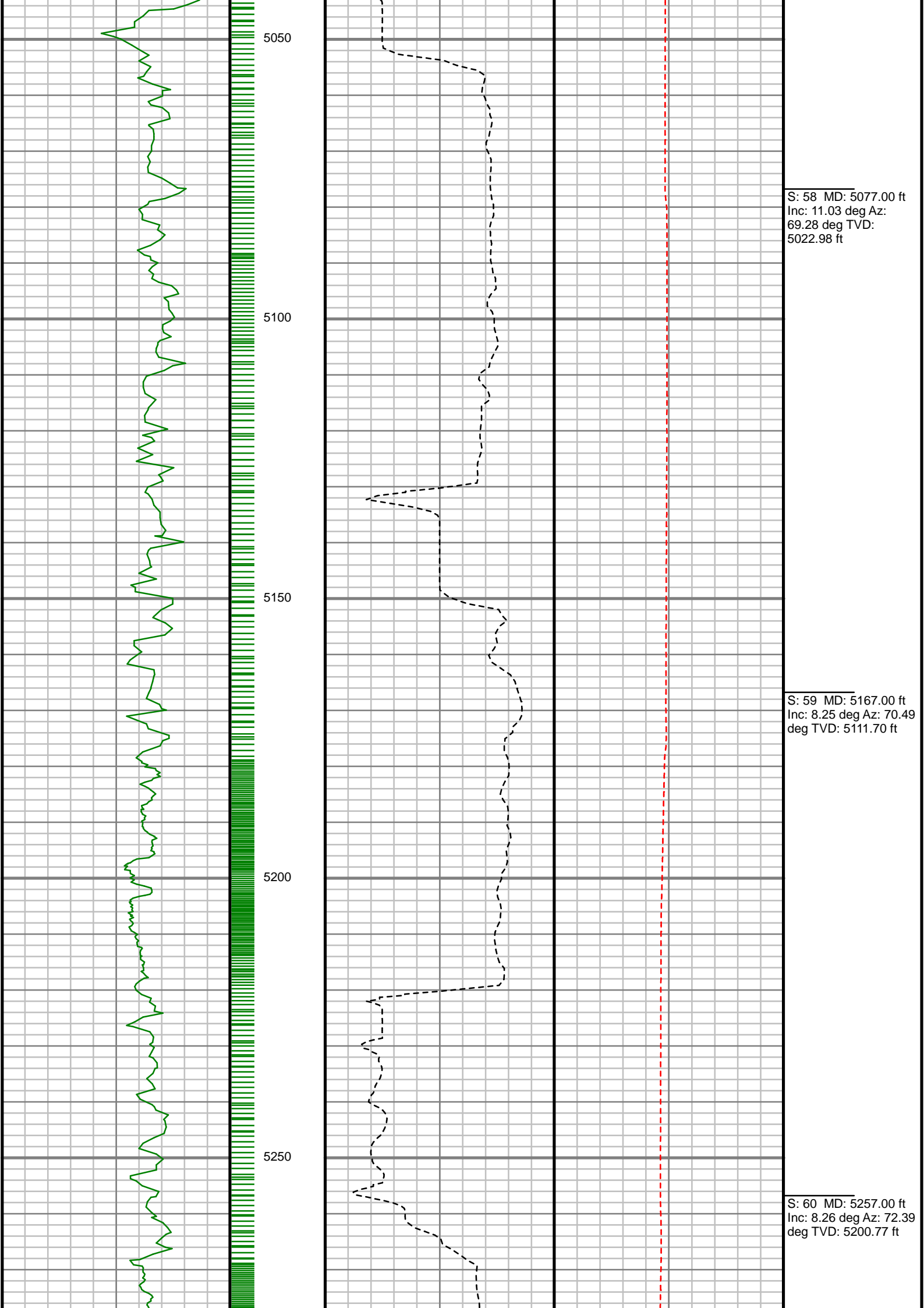
S: 55 MD: 4808.00 ft

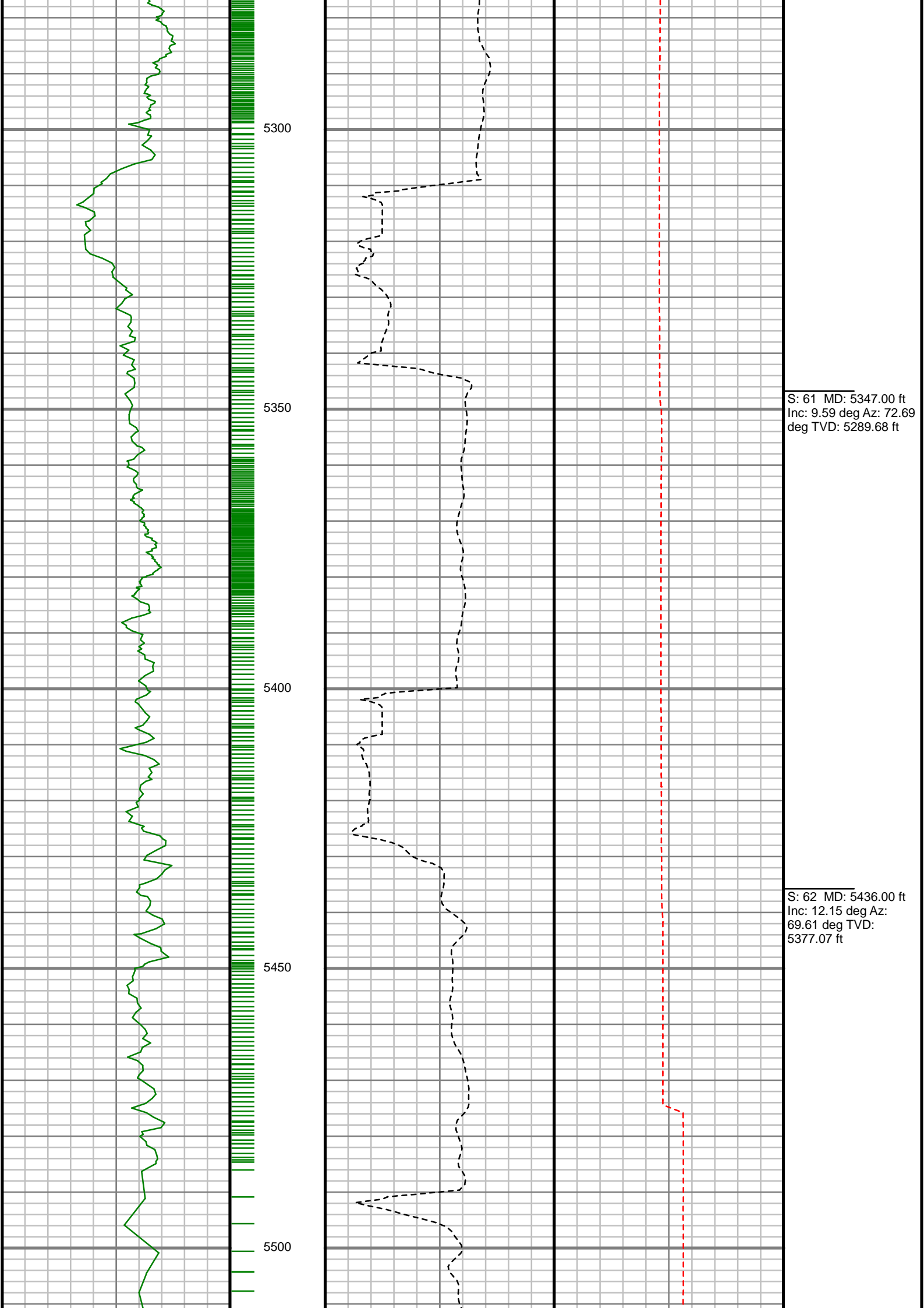


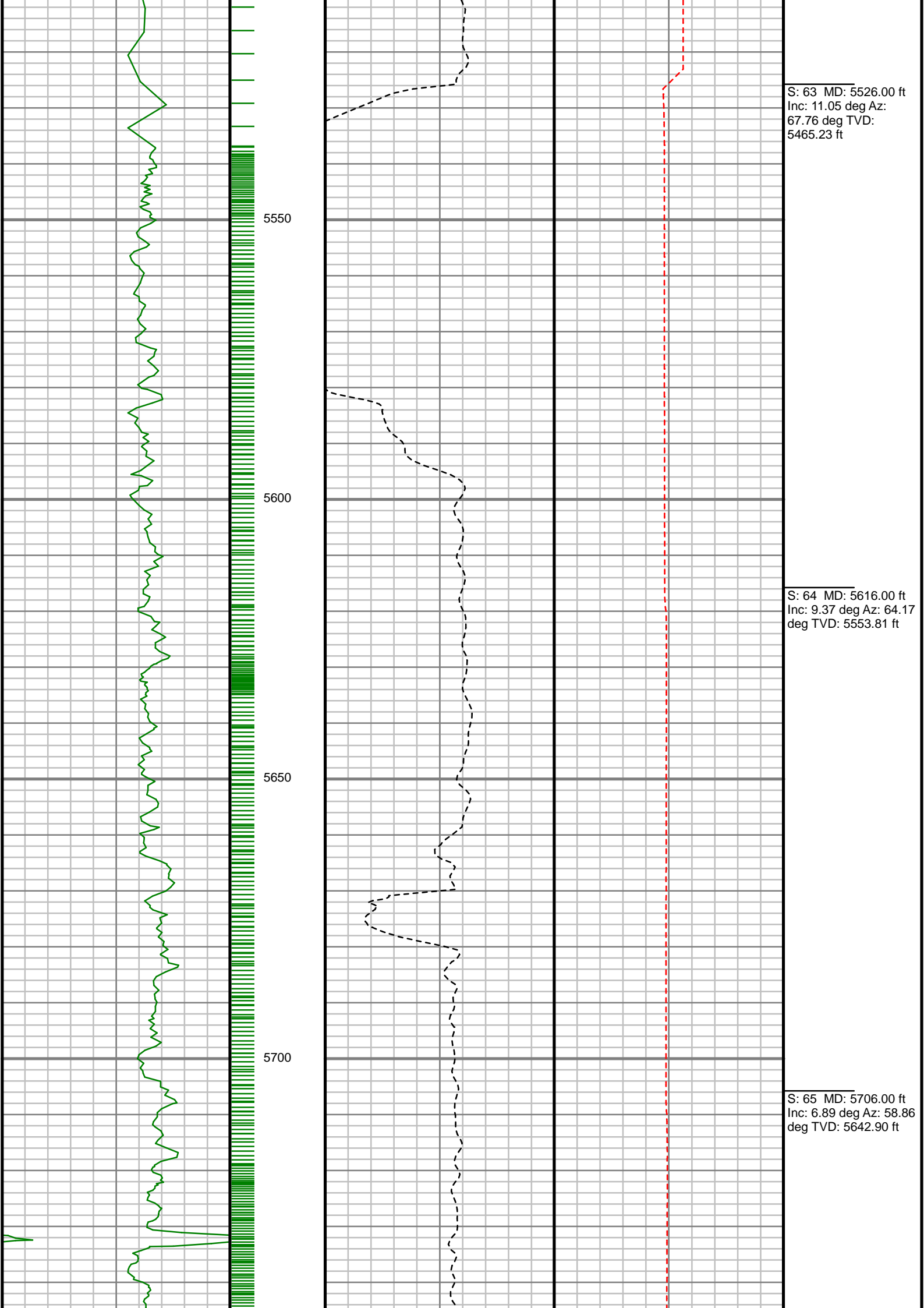
S: 55 MD: 4868.00 ft
Inc: 10.51 deg Az:
59.59 deg TVD:
4759.70 ft

S: 56 MD: 4897.00 ft
Inc: 12.37 deg Az:
66.00 deg TVD:
4846.93 ft

S: 57 MD: 4987.00 ft
Inc: 12.33 deg Az:
68.38 deg TVD:
4934.85 ft





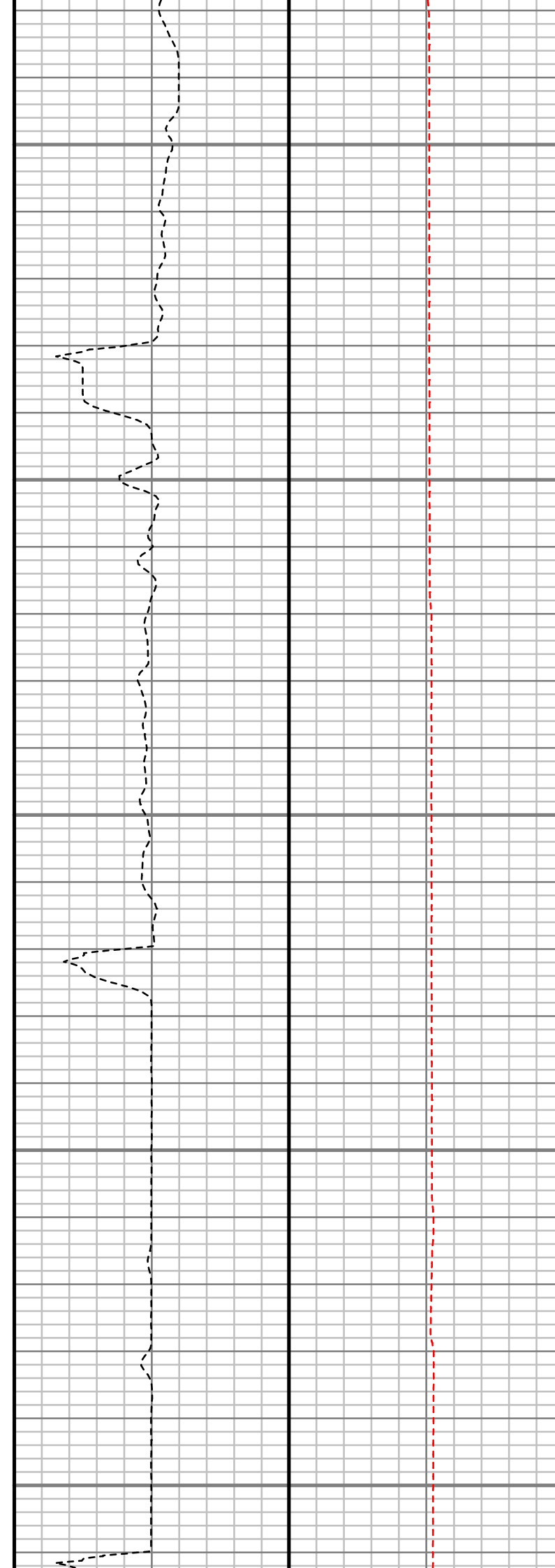
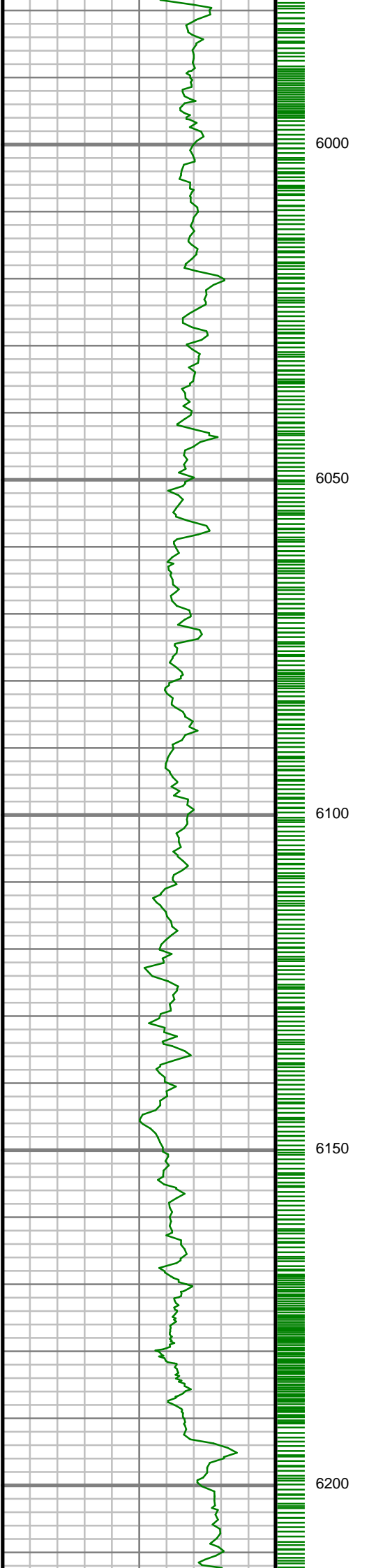


S: 63 MD: 5526.00 ft
Inc: 11.05 deg Az:
67.76 deg TVD:
5465.23 ft

S: 64 MD: 5616.00 ft
Inc: 9.37 deg Az: 64.17
deg TVD: 5553.81 ft

S: 65 MD: 5706.00 ft
Inc: 6.89 deg Az: 58.86
deg TVD: 5642.90 ft

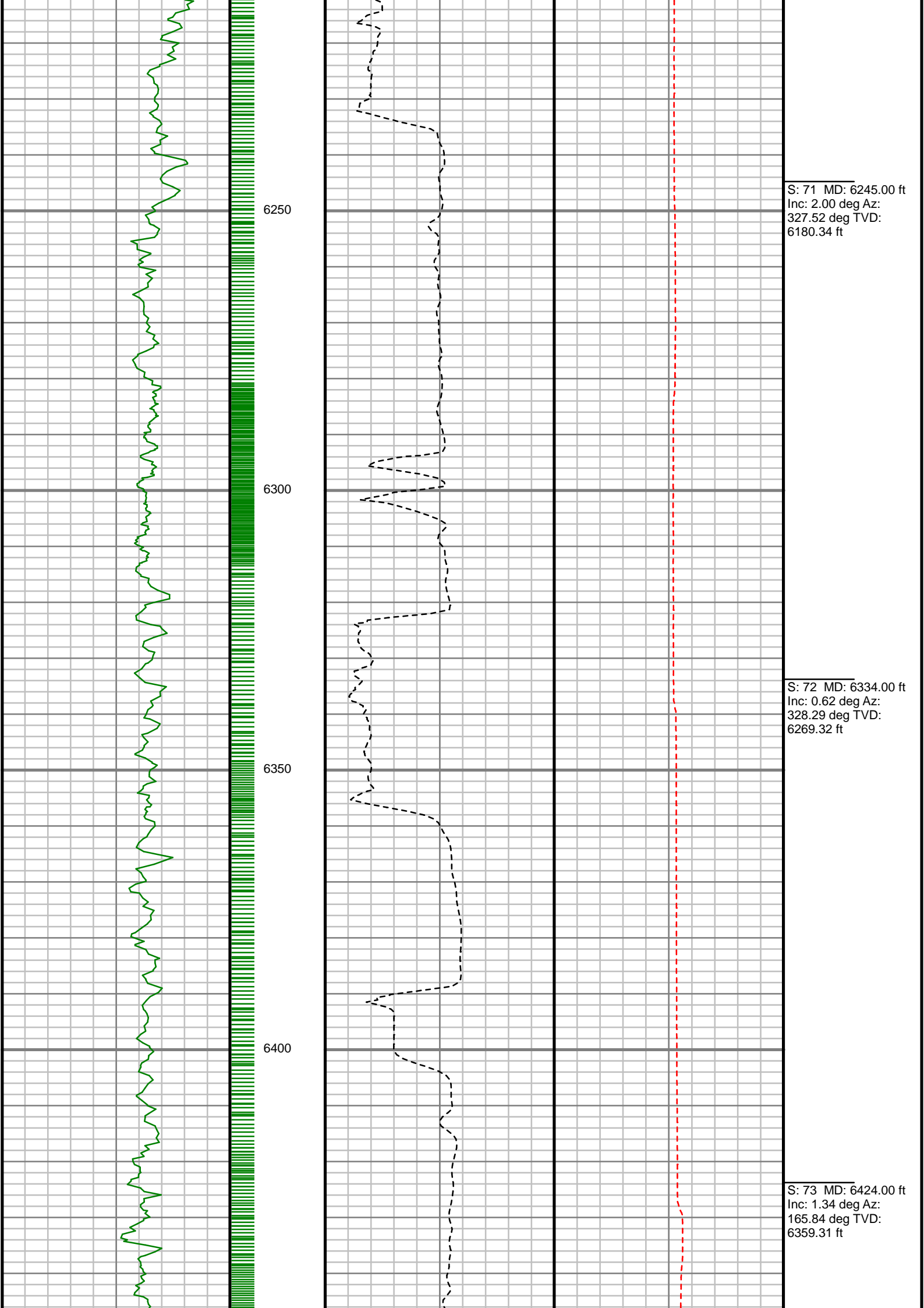


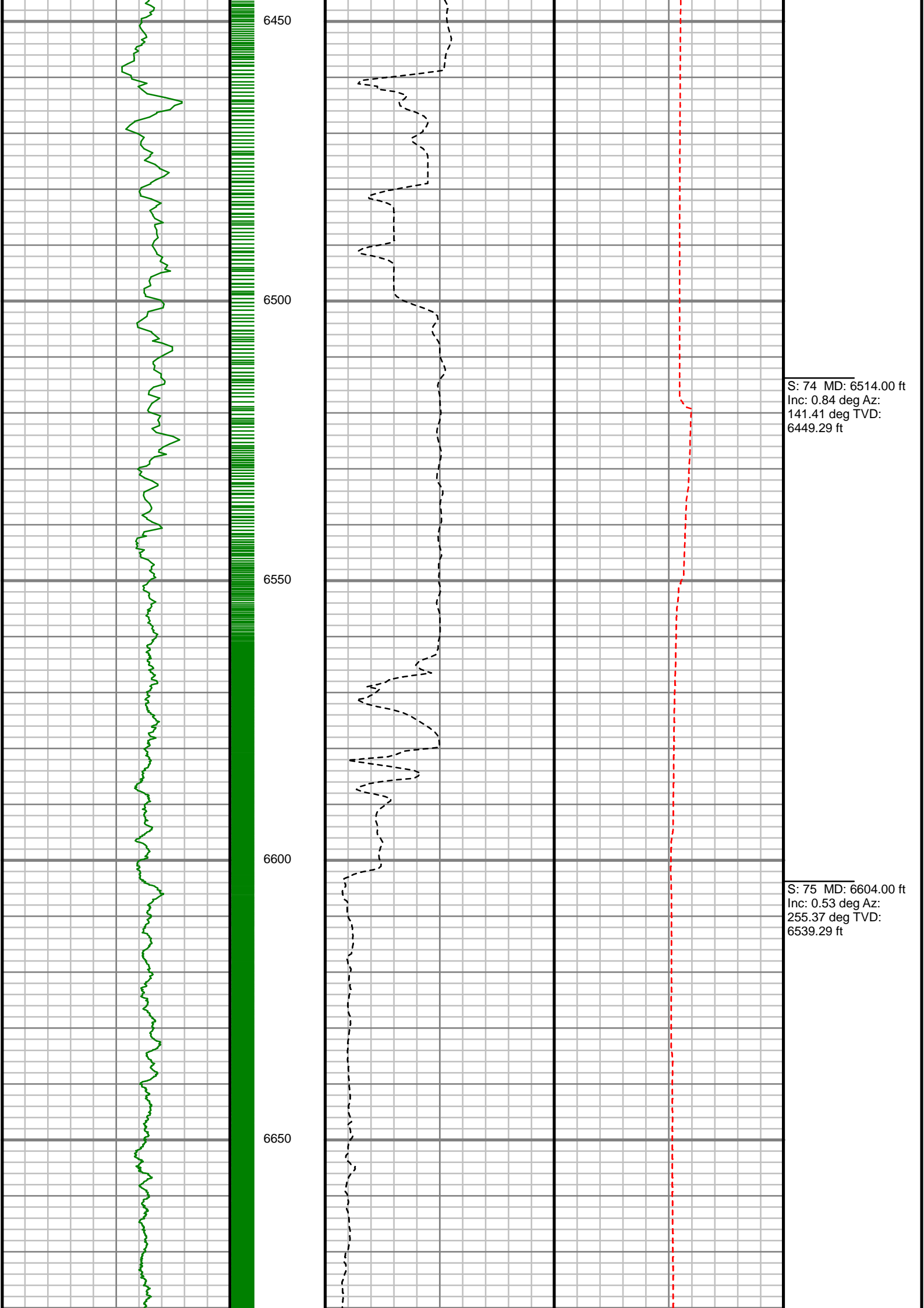


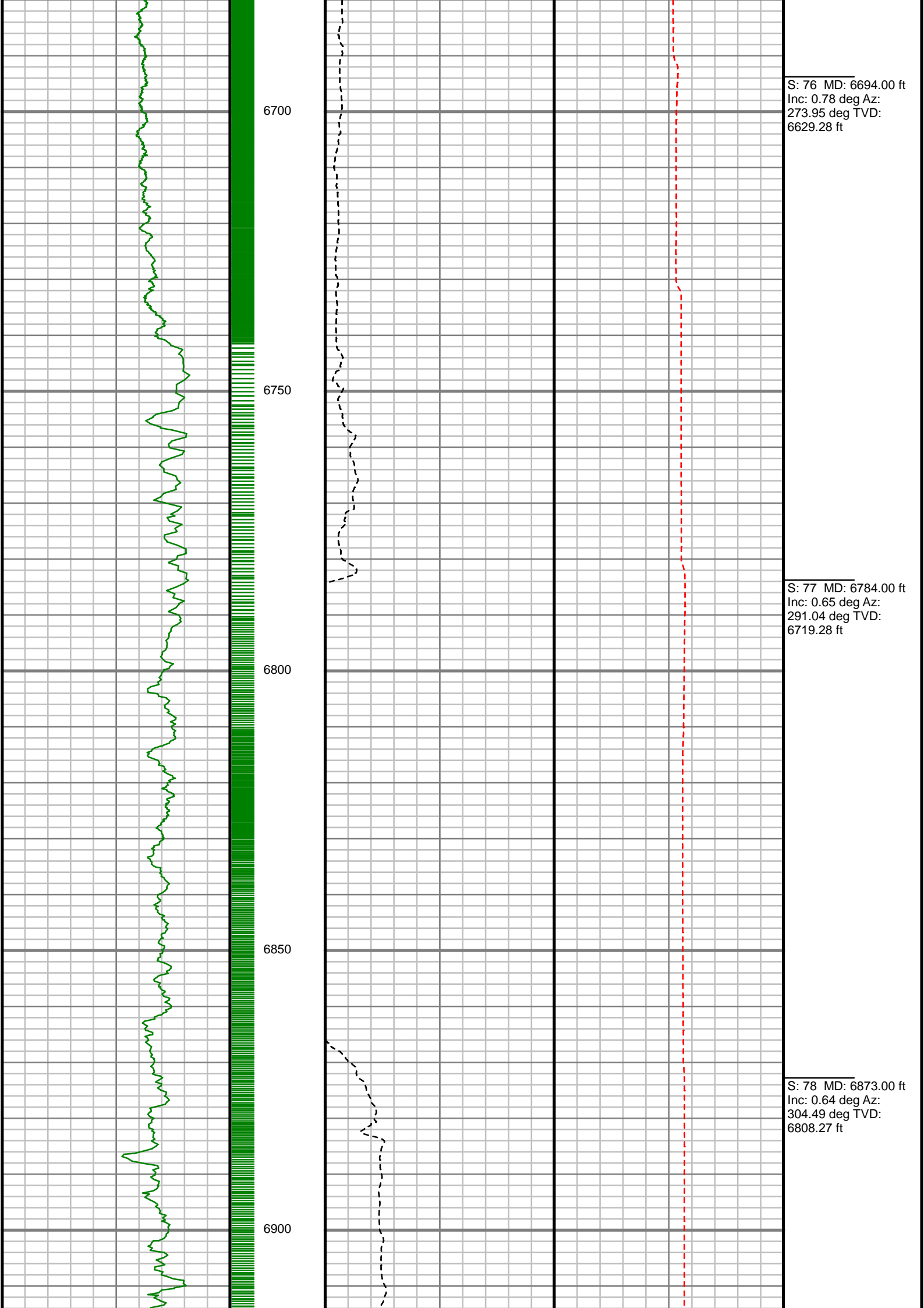
Inc: 3.82 deg Az: 41.99
deg TVD: 5910.63 ft

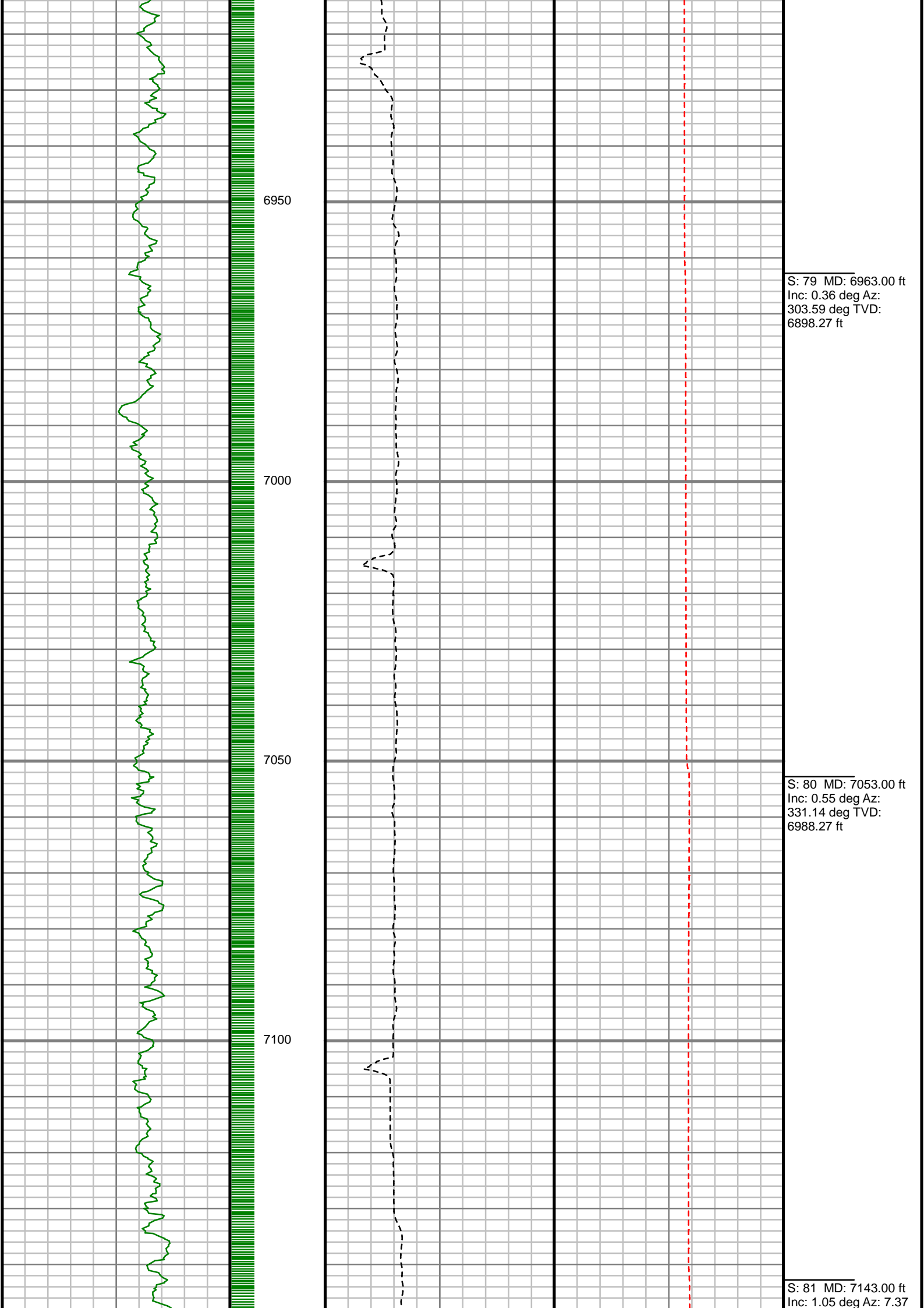
S: 69 MD: 6065.00 ft
Inc: 2.82 deg Az: 37.21
deg TVD: 6000.48 ft

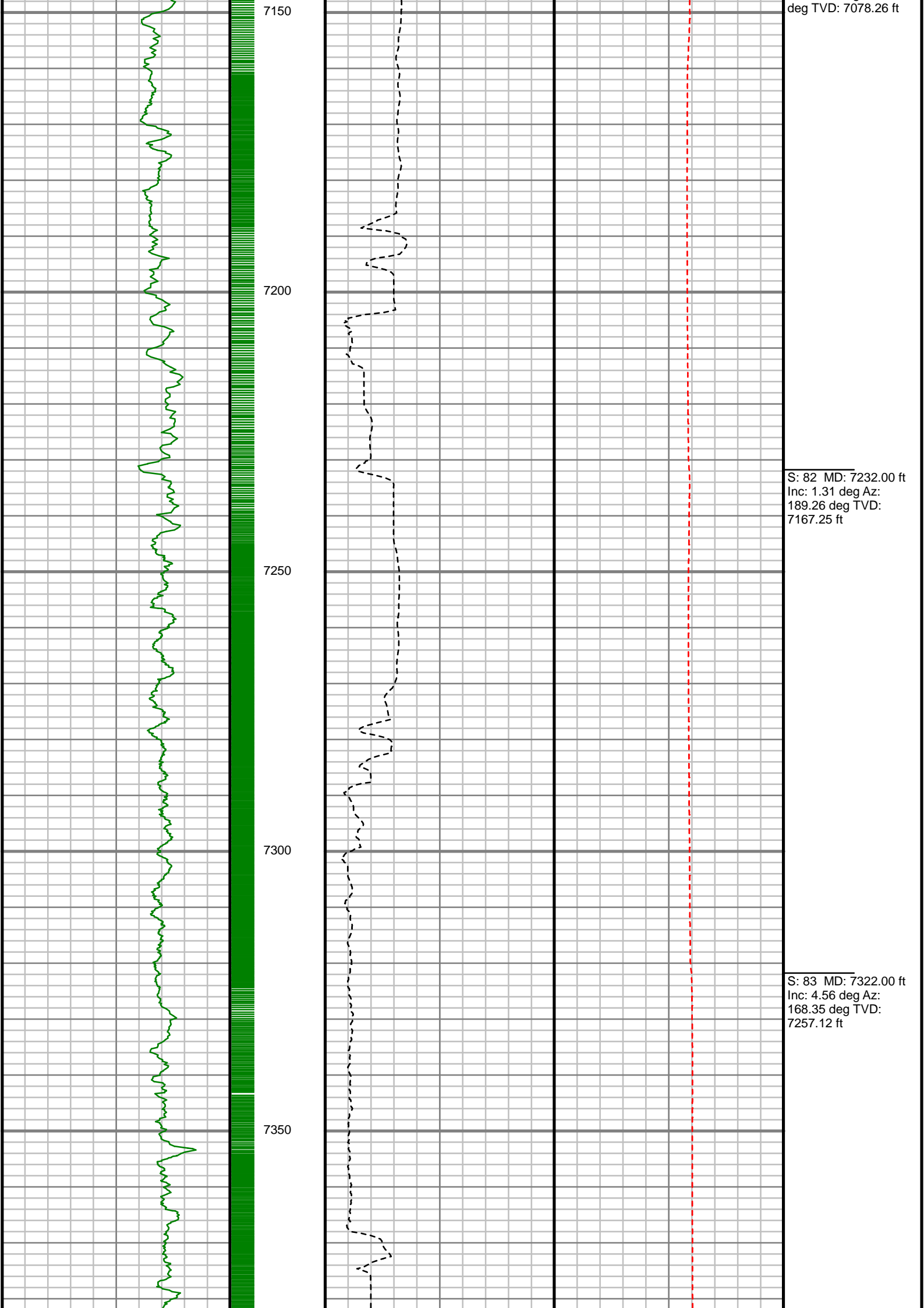
S: 70 MD: 6155.00 ft
Inc: 2.19 deg Az: 30.47
deg TVD: 6090.39 ft

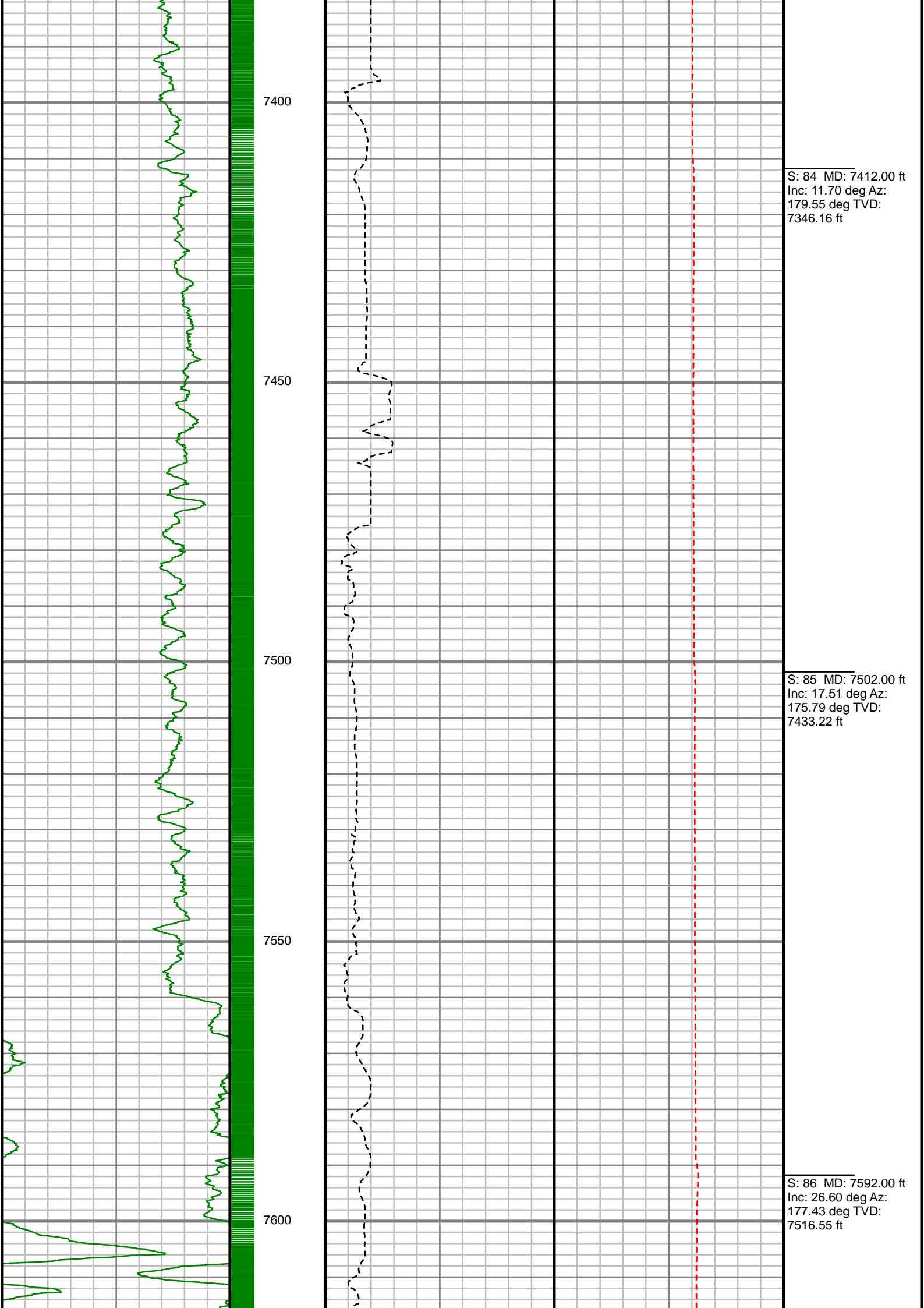


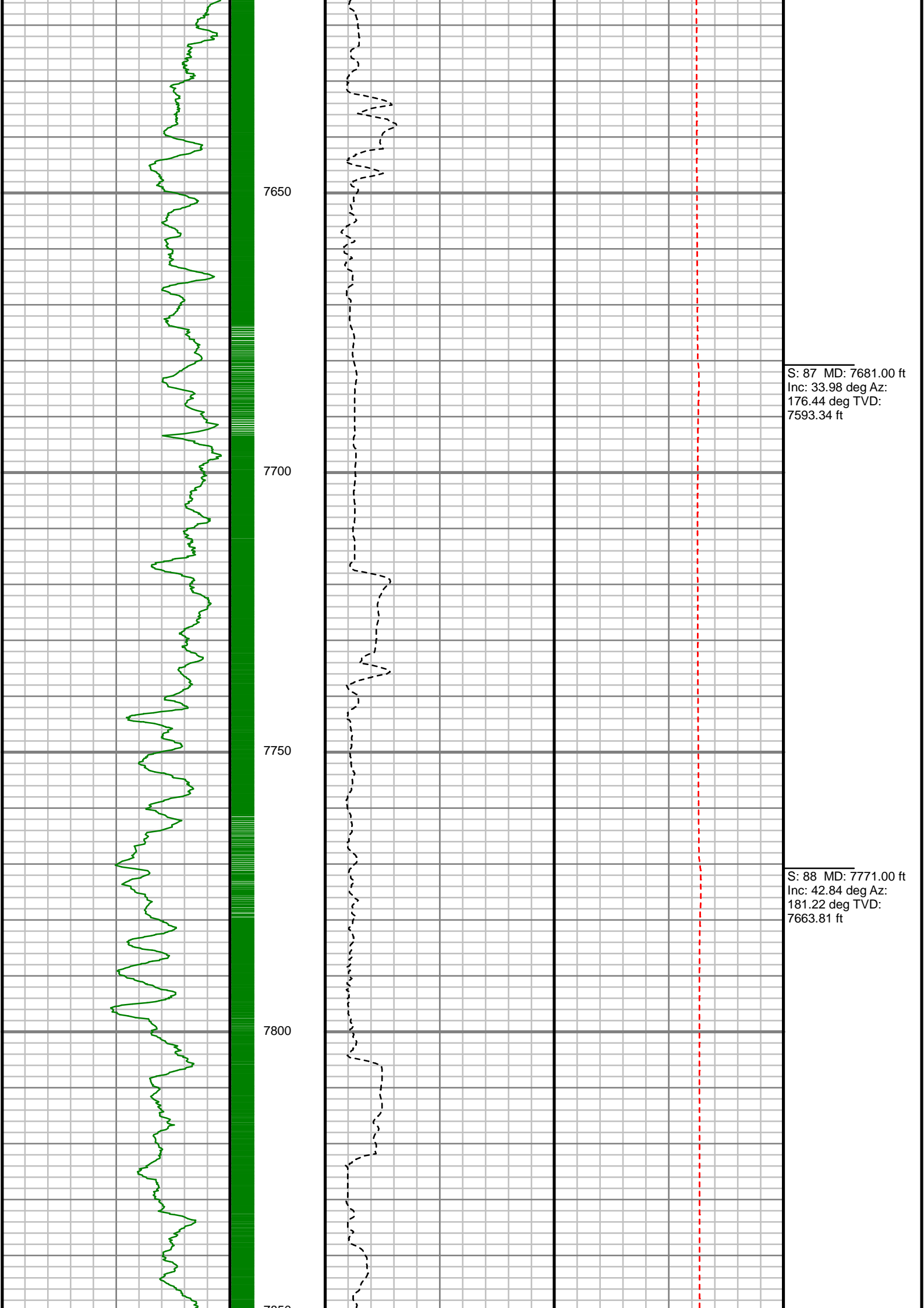


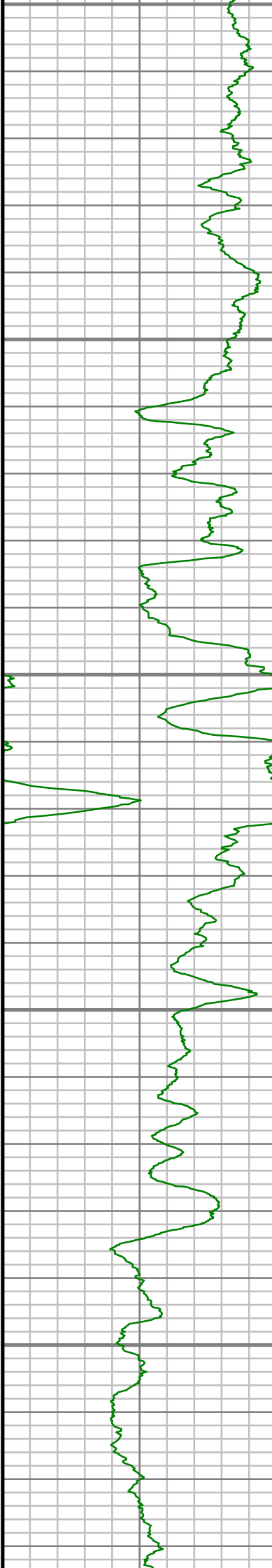












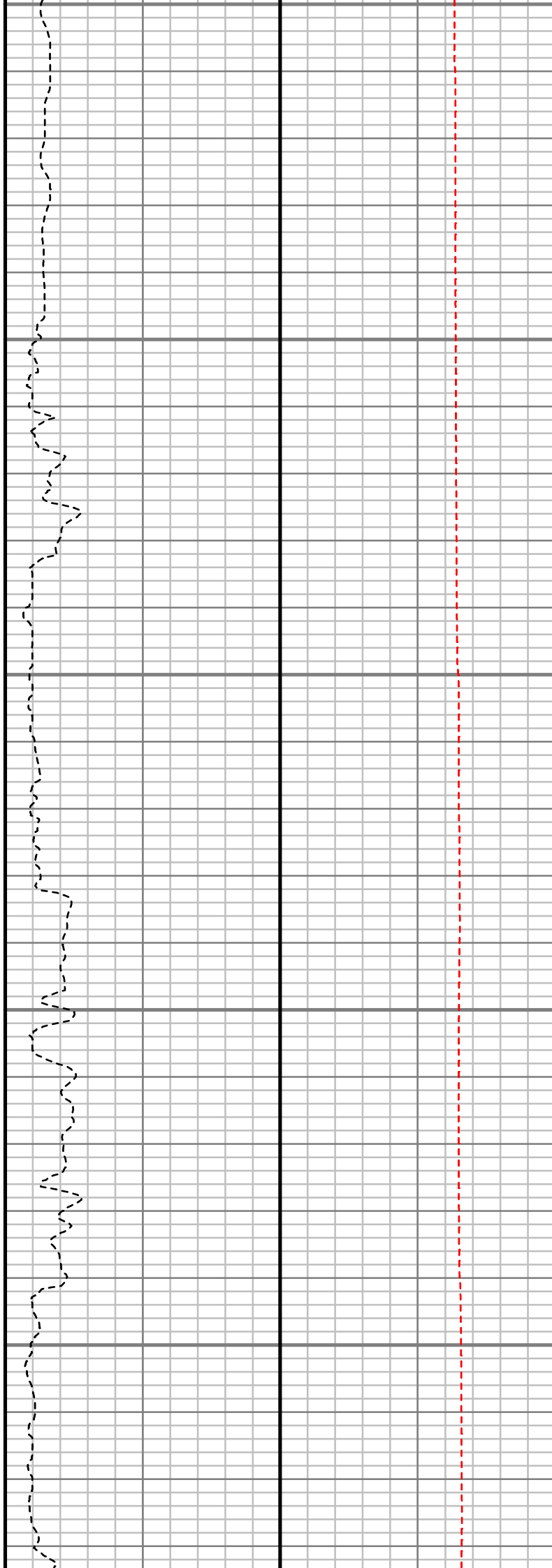
7850

7900

7950

8000

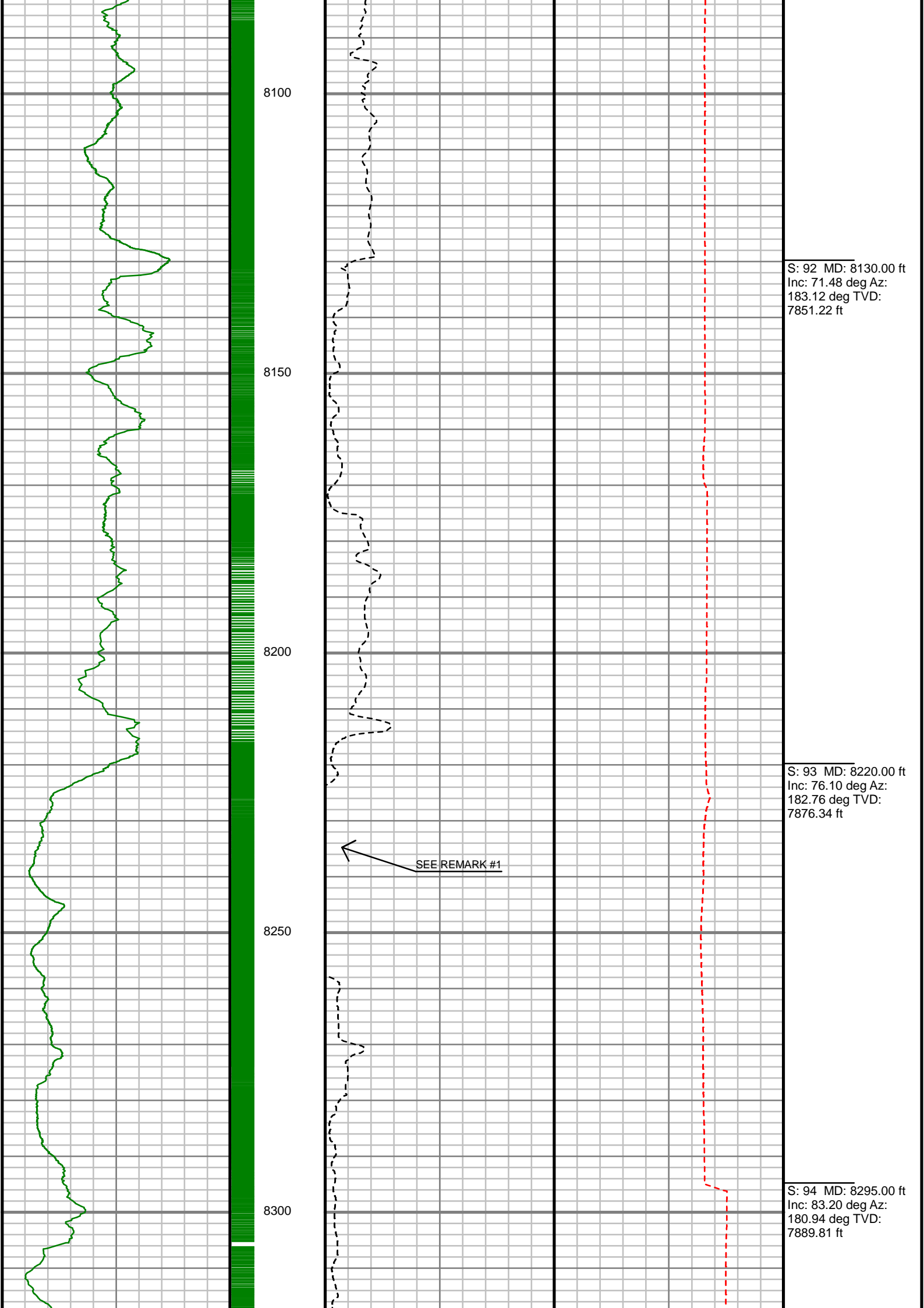
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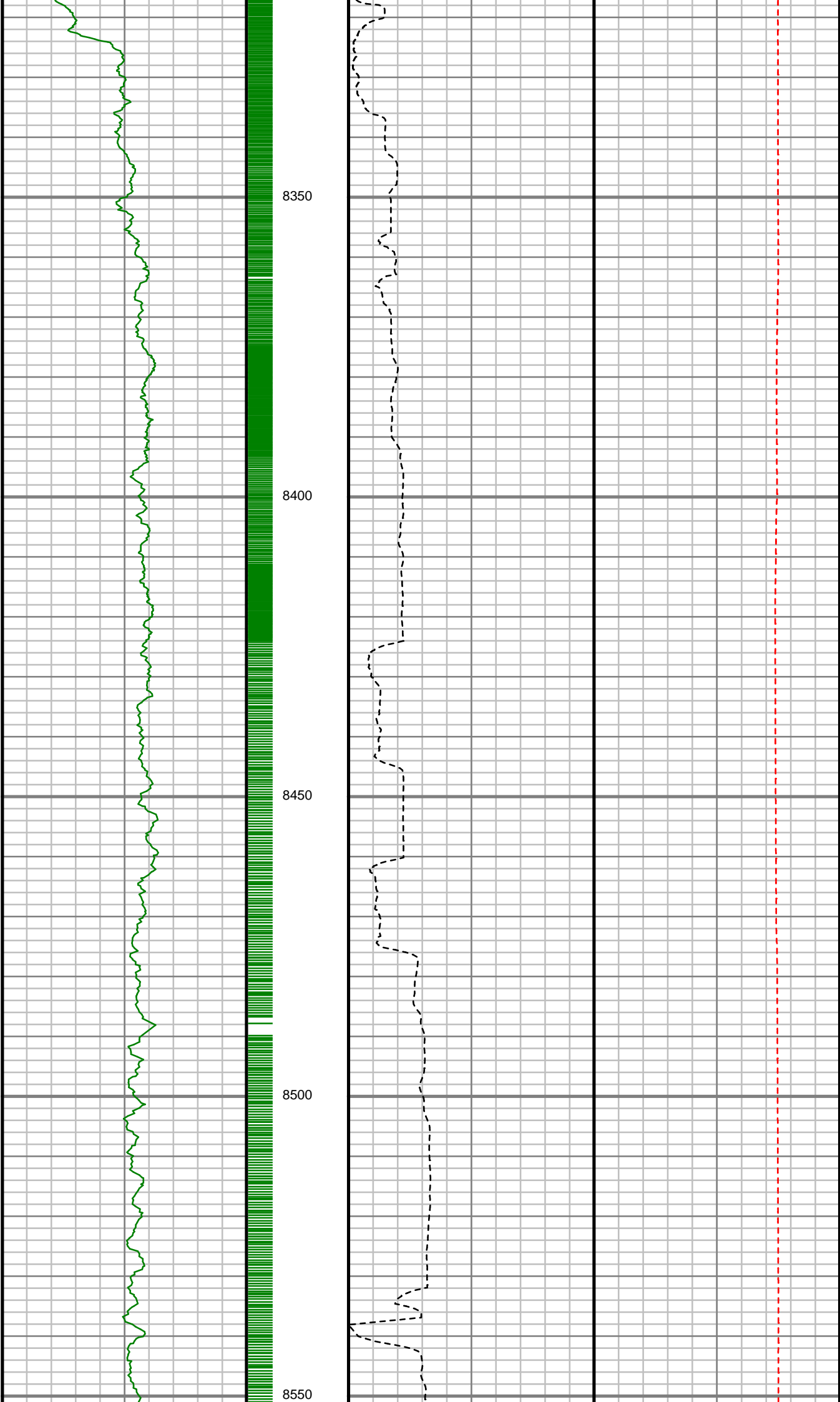


S: 89 MD: 7861.00 ft
Inc: 49.33 deg Az:
184.89 deg TVD:
7726.21 ft

S: 90 MD: 7951.00 ft
Inc: 60.15 deg Az:
181.77 deg TVD:
7778.10 ft

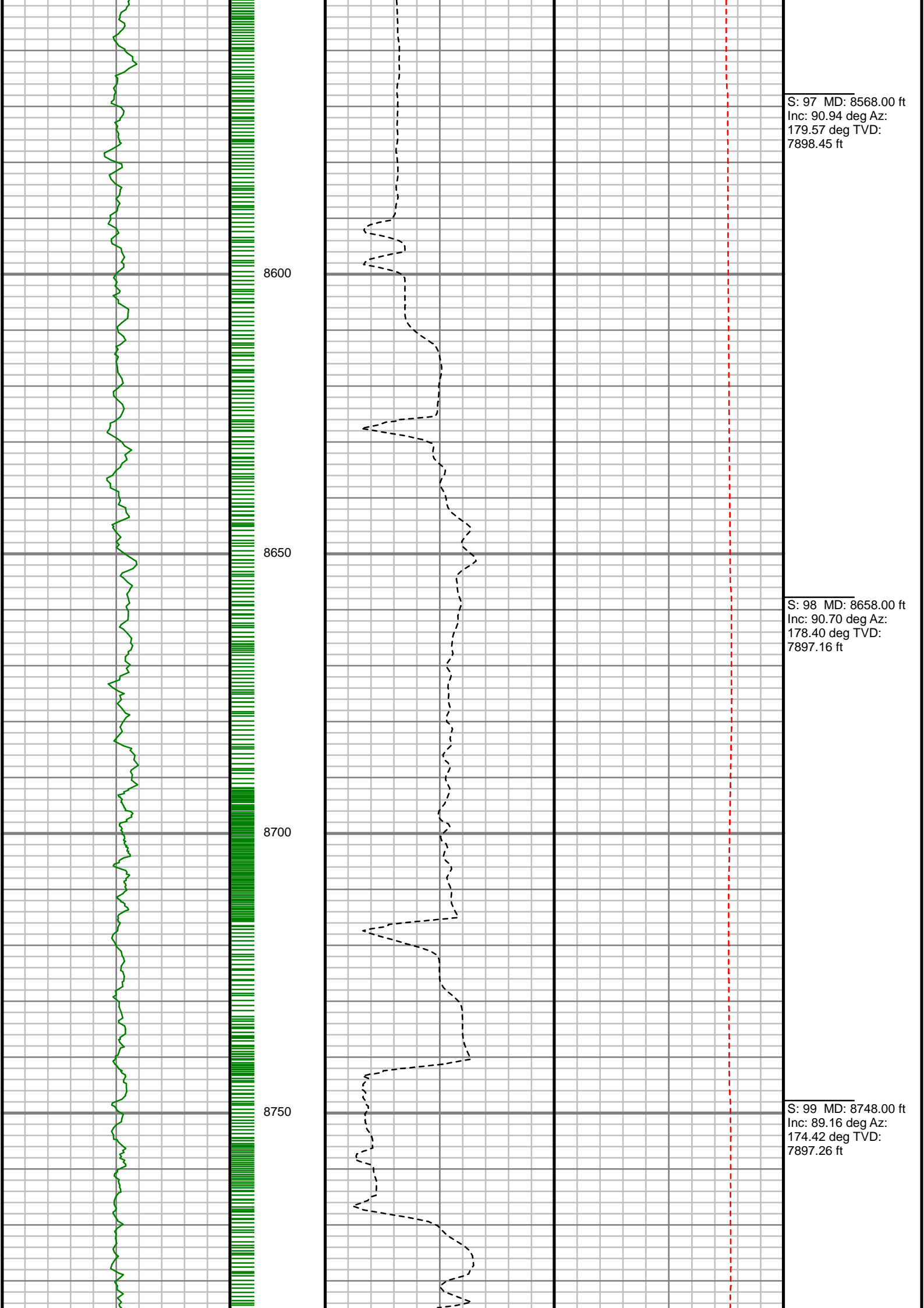
S: 91 MD: 8040.00 ft
Inc: 65.85 deg Az:
181.94 deg TVD:
7818.49 ft

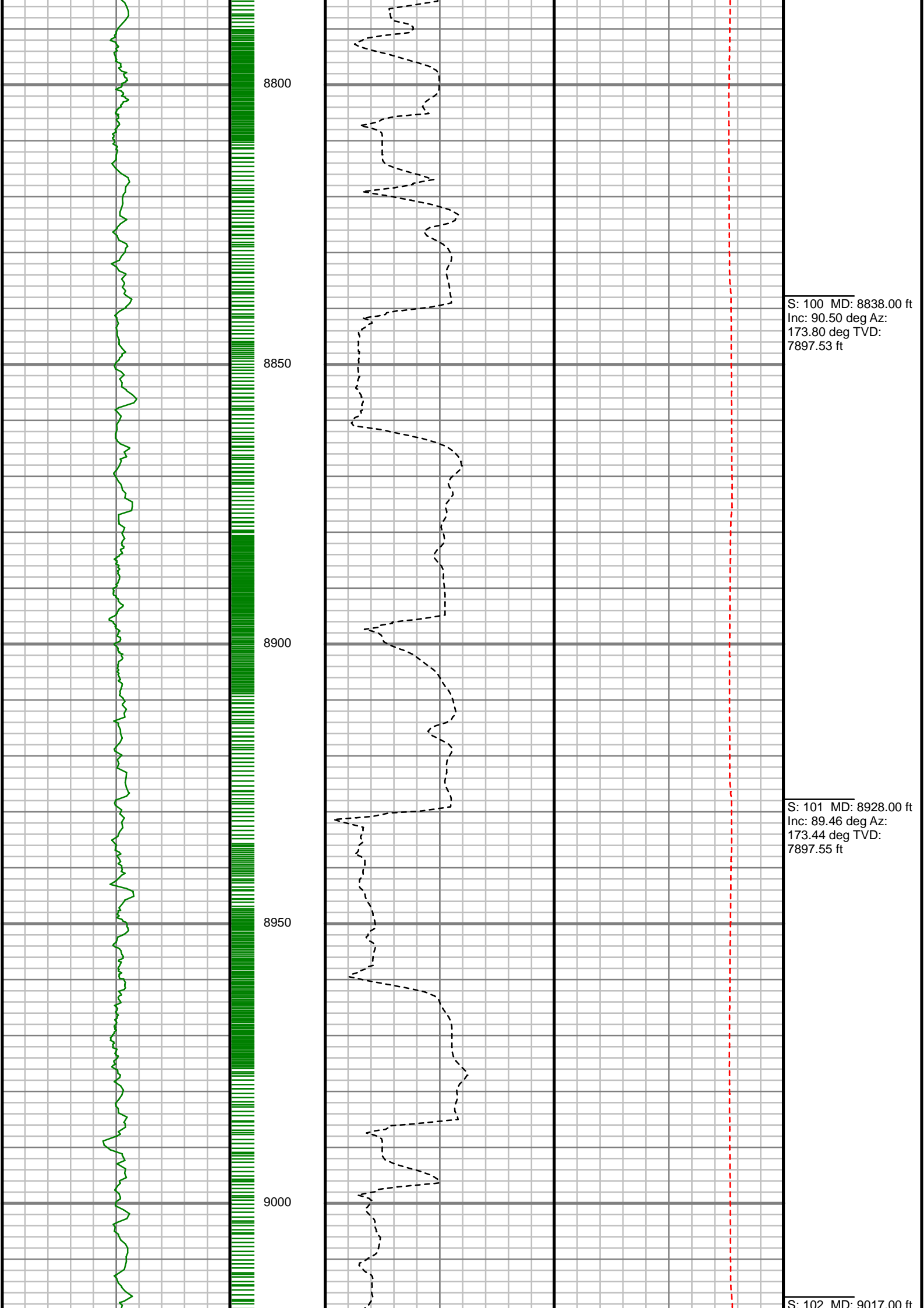


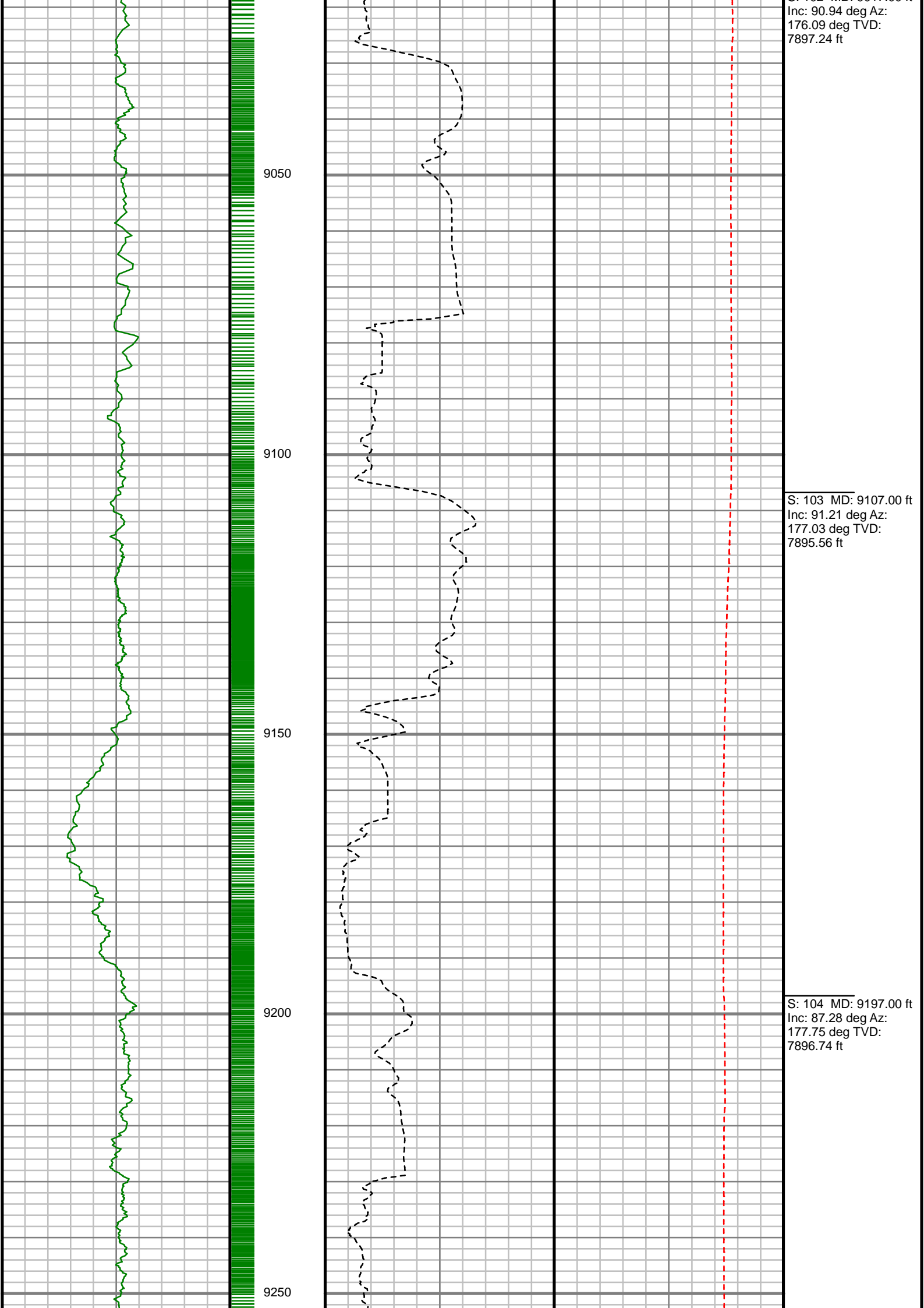


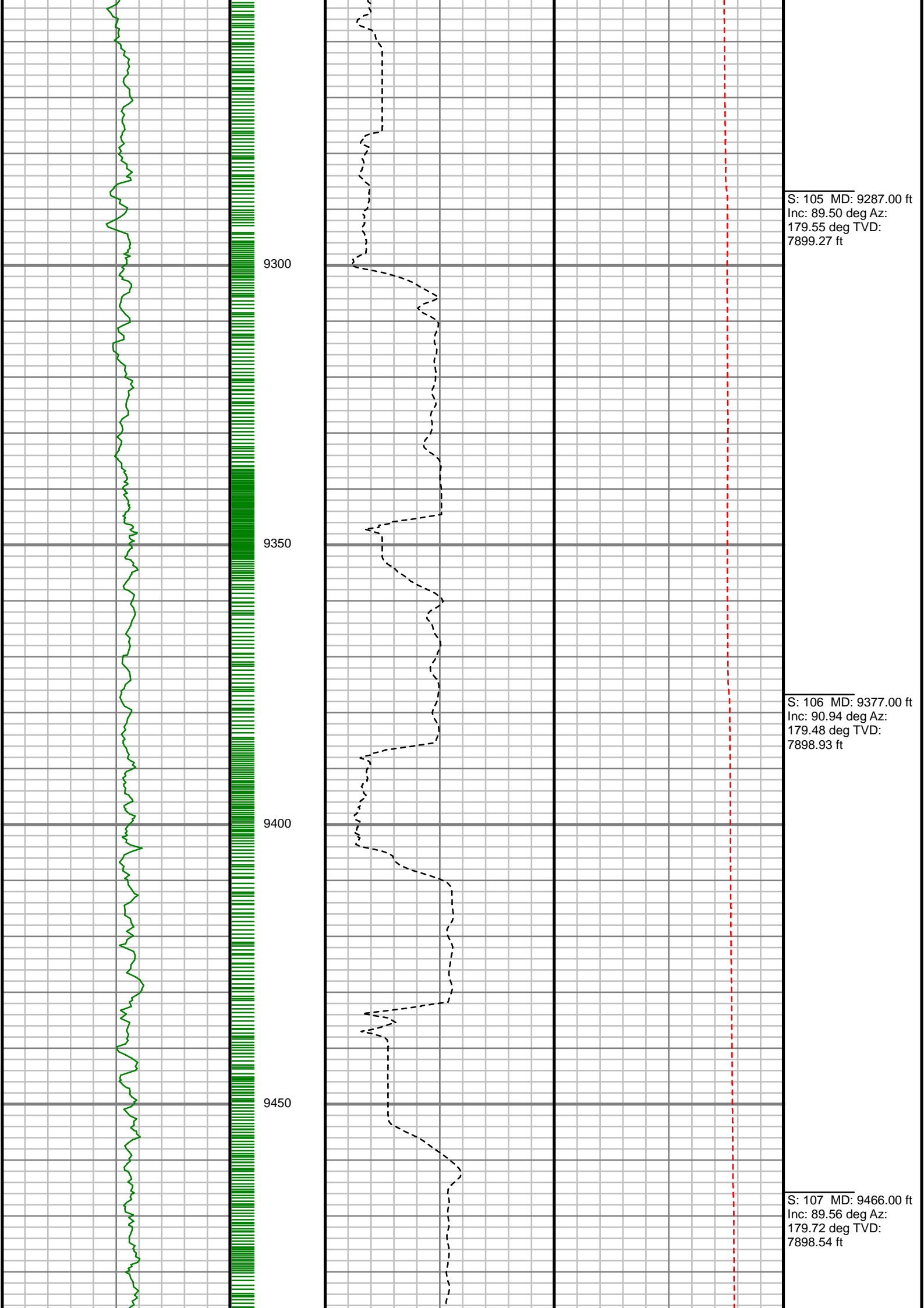
S: 95 MD: 8389.00 ft
Inc: 87.04 deg Az:
180.44 deg TVD:
7897.80 ft

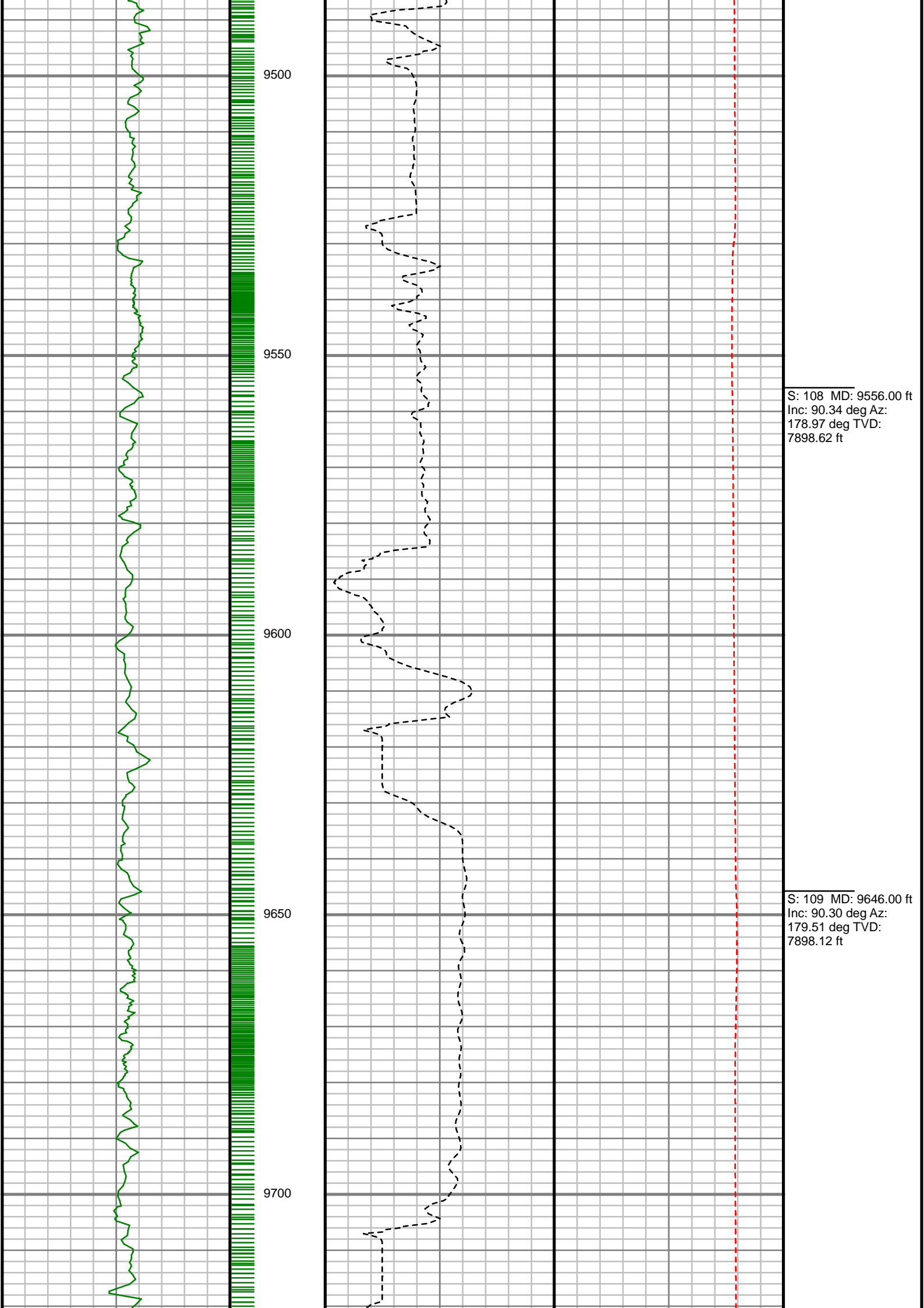
S: 96 MD: 8479.00 ft
Inc: 90.60 deg Az:
180.45 deg TVD:
7899.65 ft

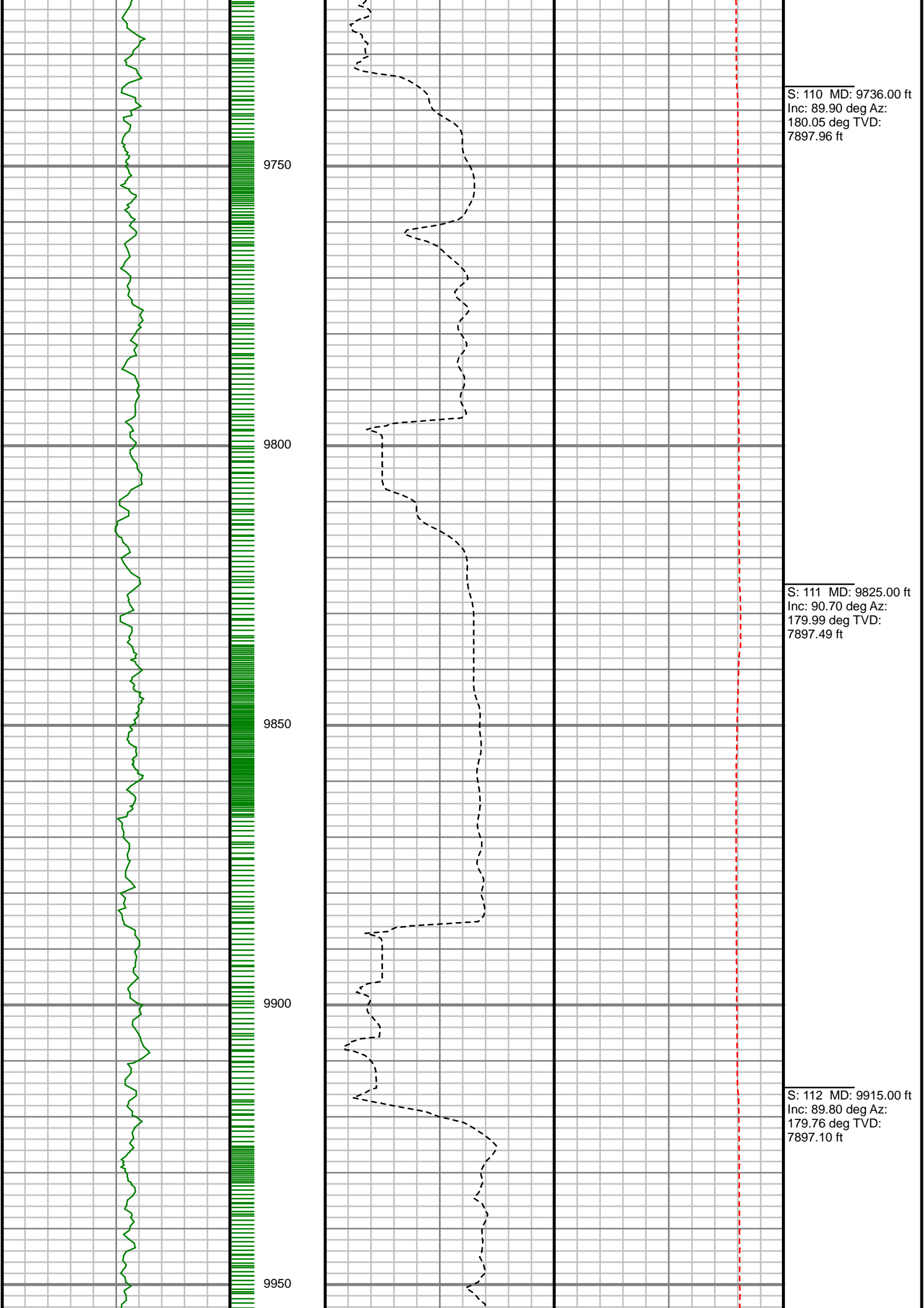


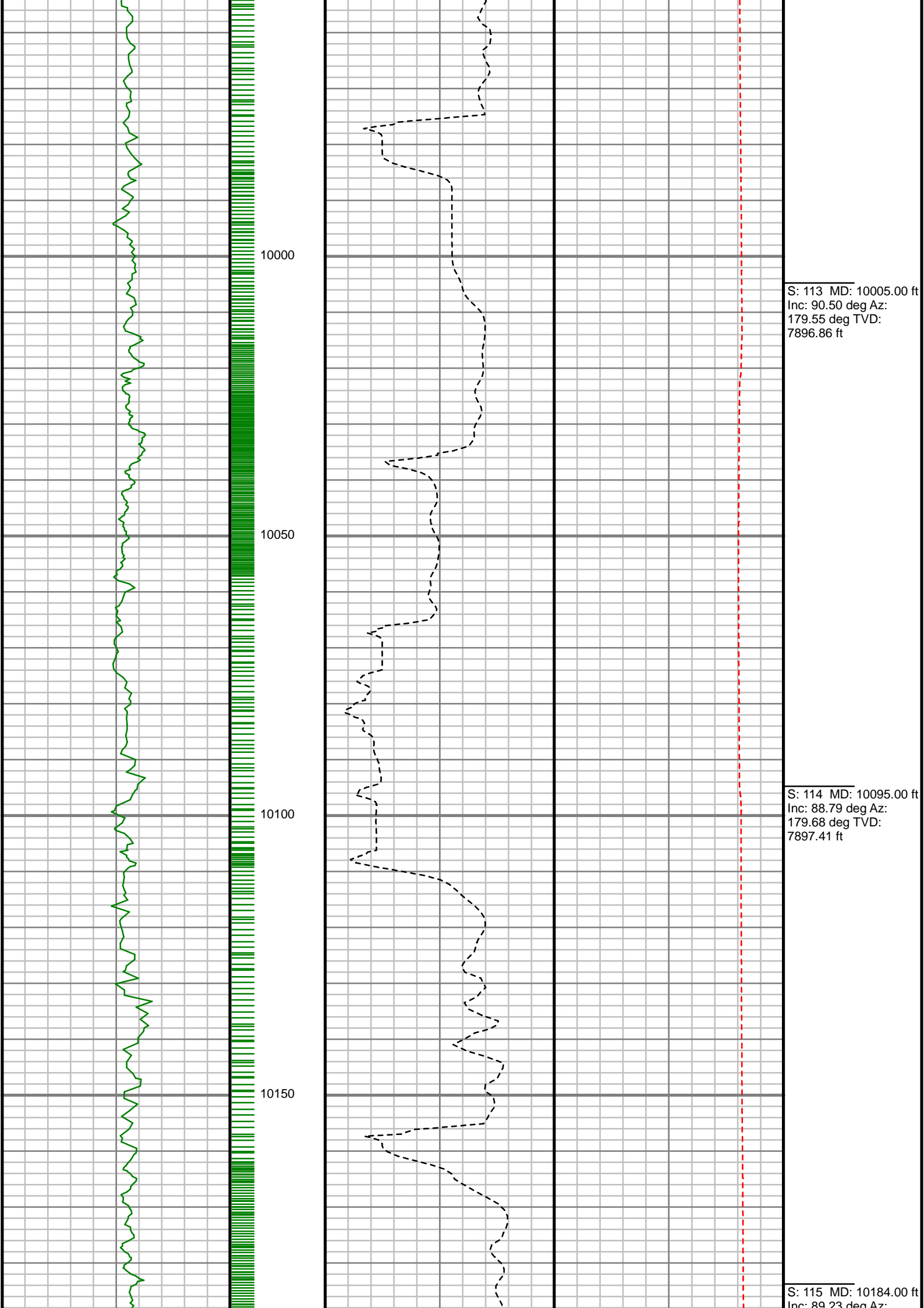


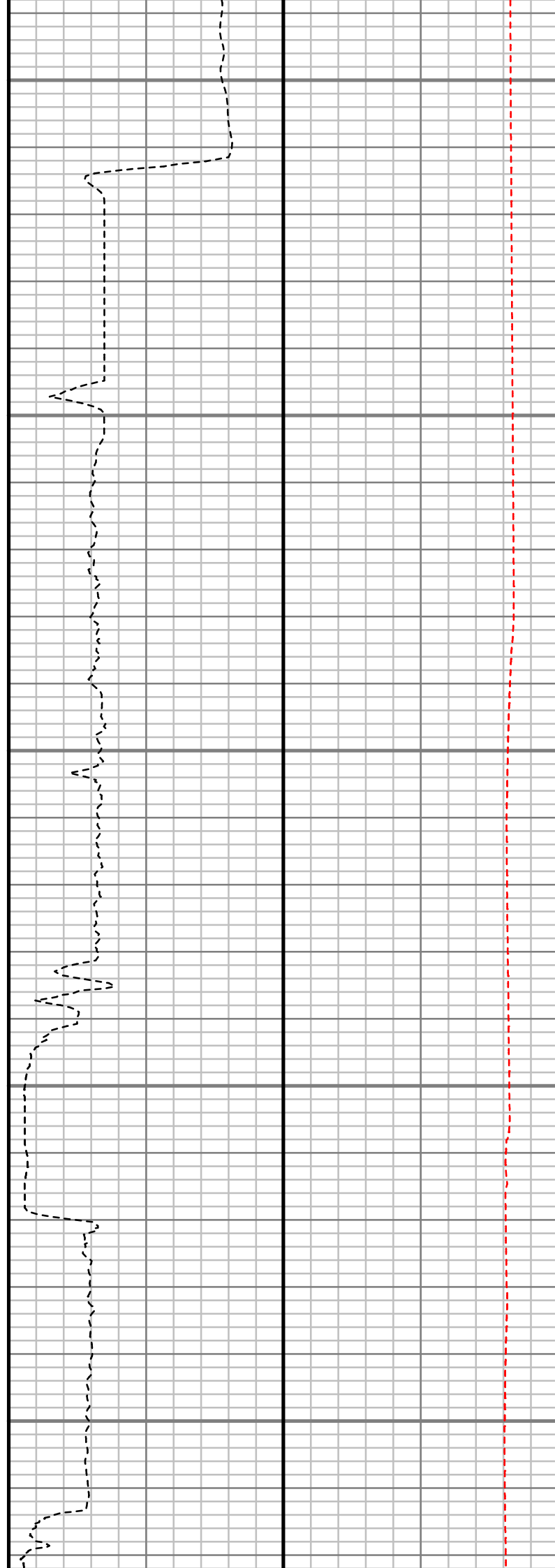
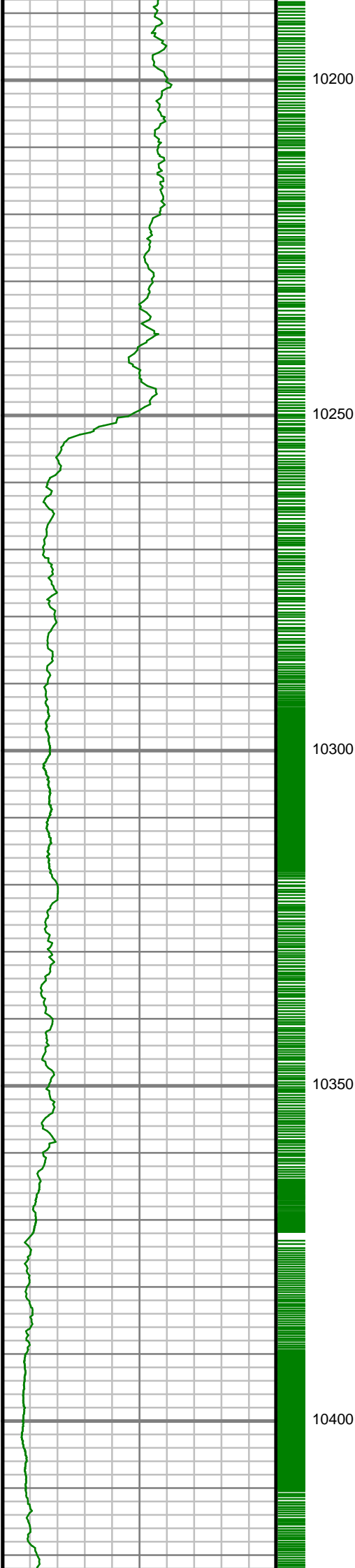








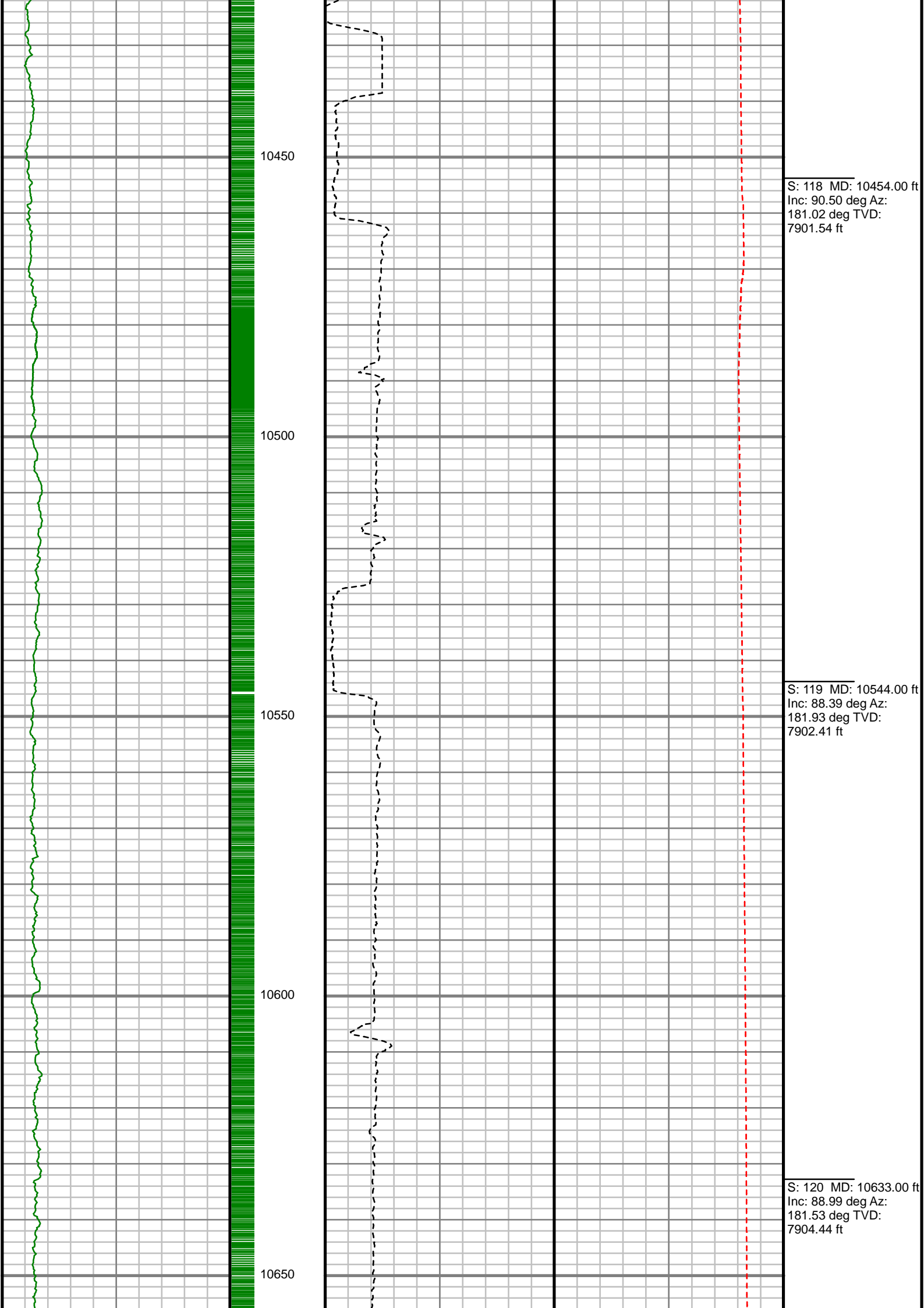


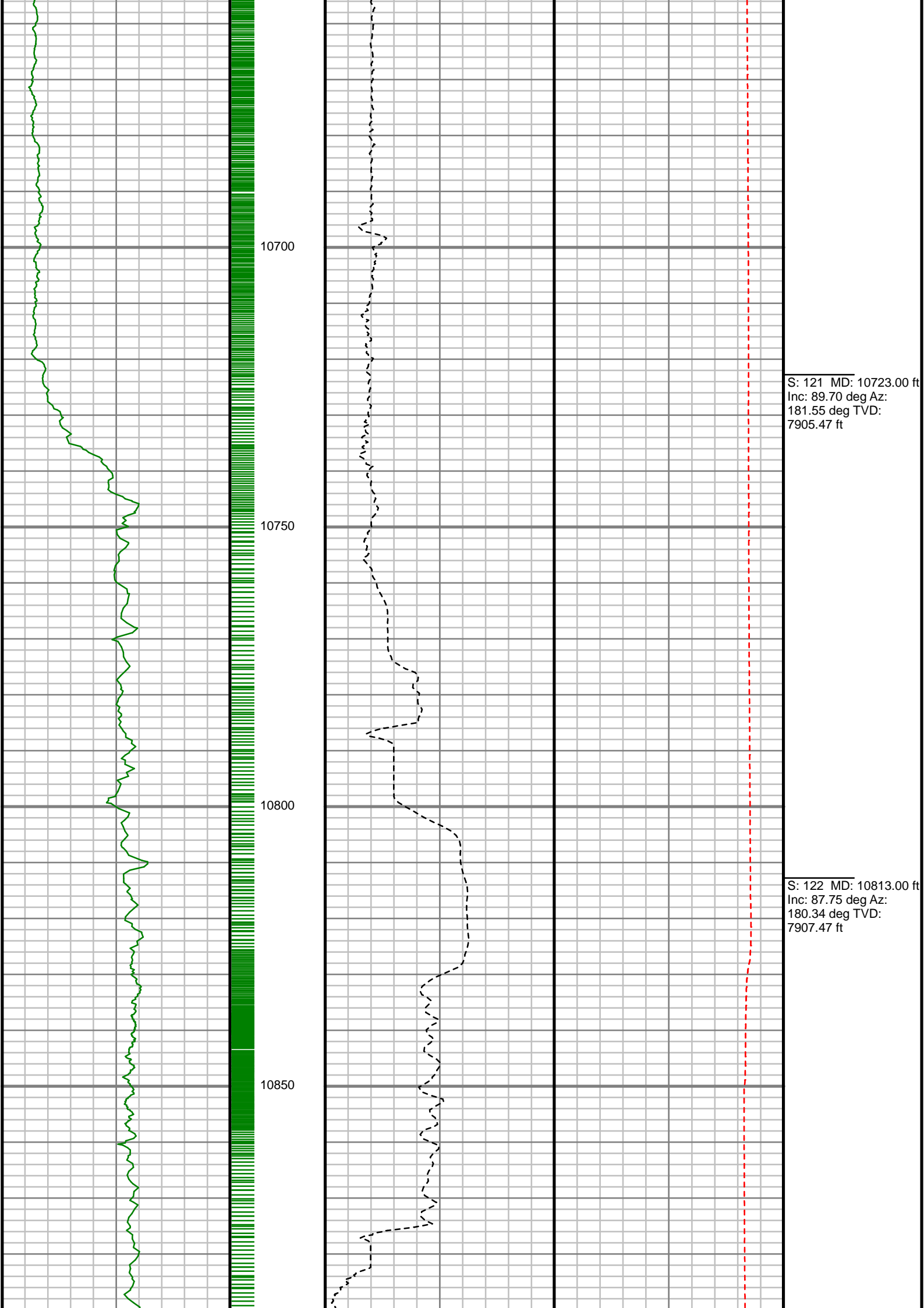


Inc: 88.20 deg Az:
180.23 deg TVD:
7898.95 ft

S: 116 MD: 10274.00 ft
Inc: 87.35 deg Az:
178.98 deg TVD:
7901.64 ft

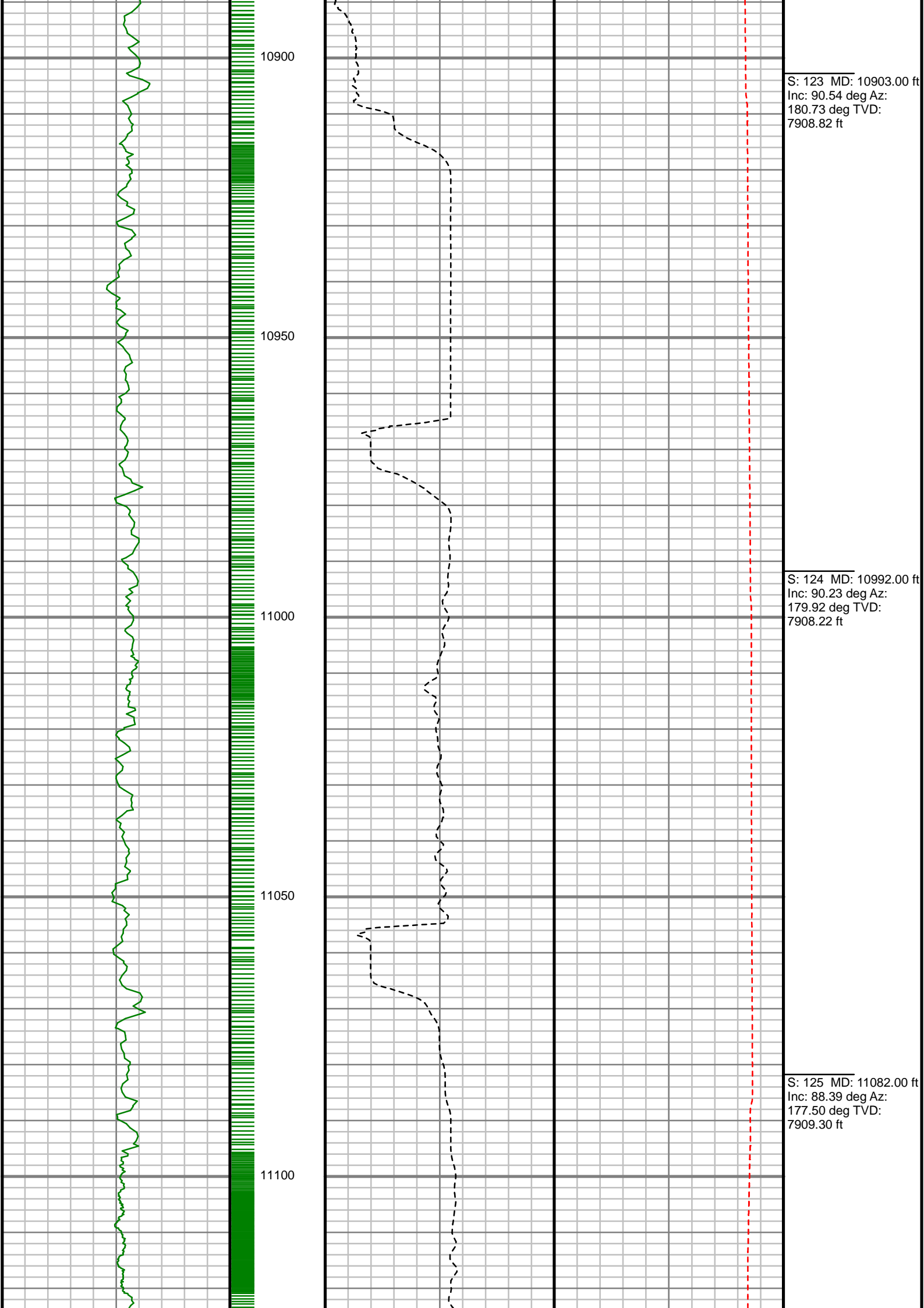
S: 117 MD: 10364.00 ft
Inc: 91.14 deg Az:
180.32 deg TVD:
7902.83 ft

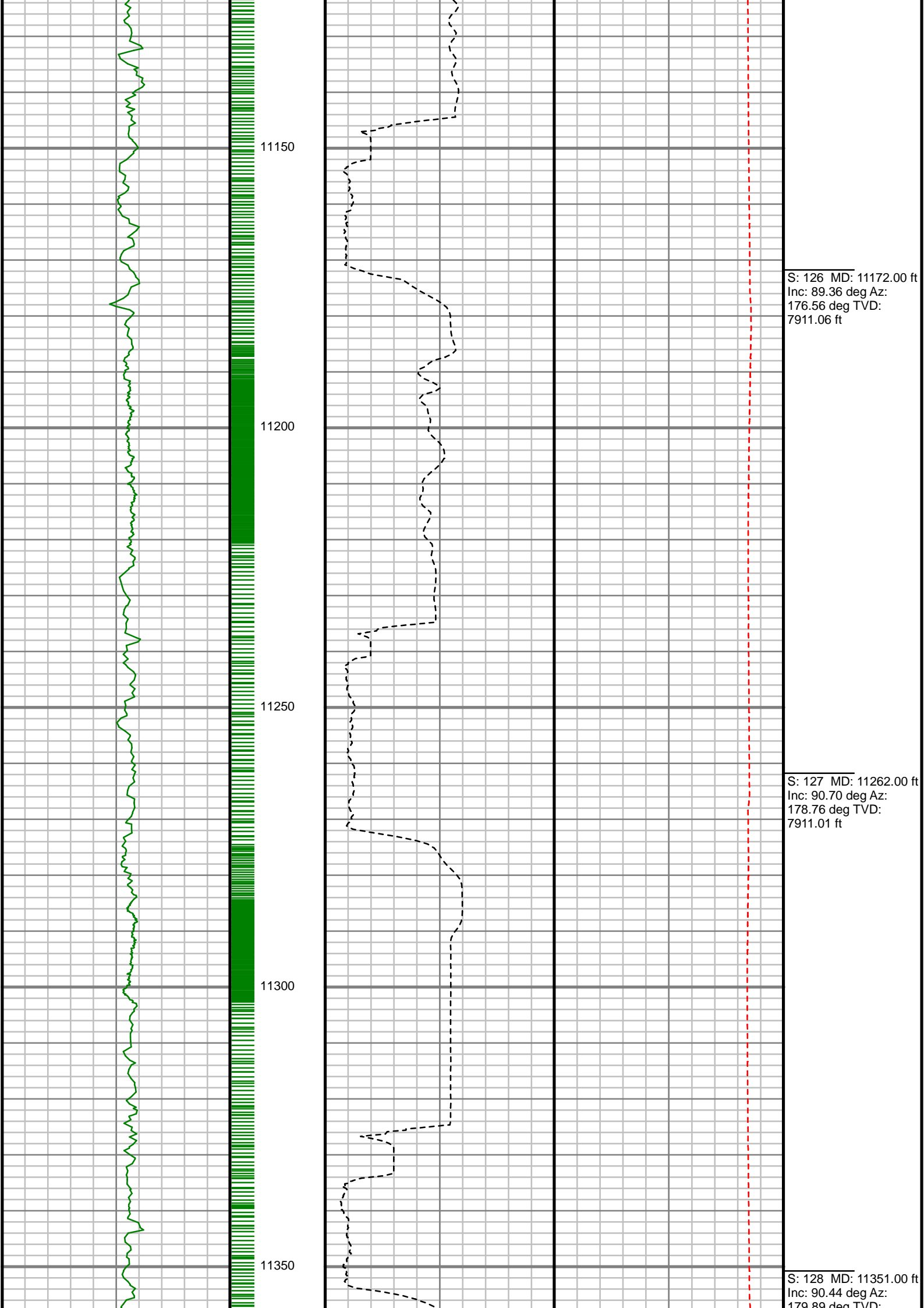


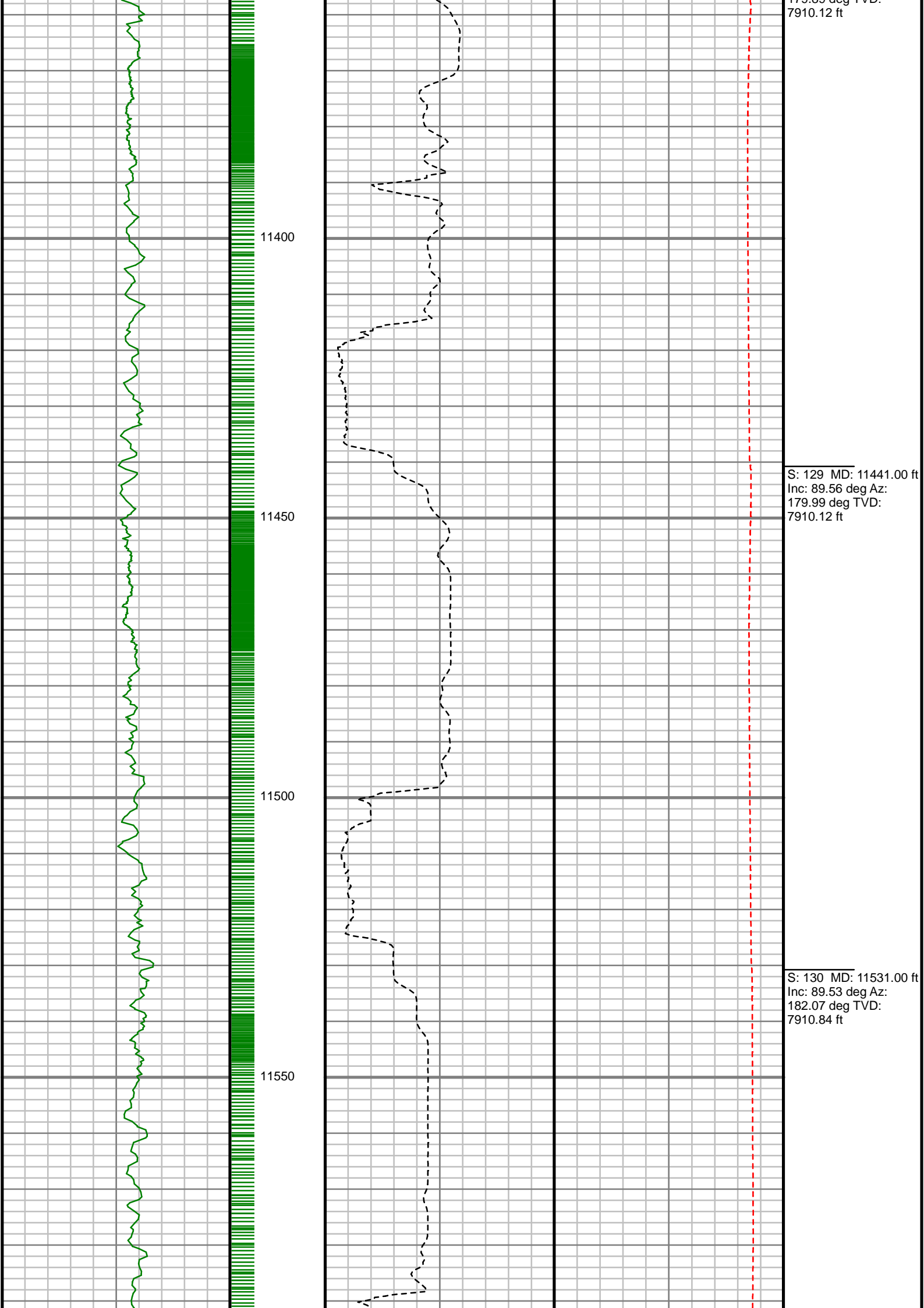


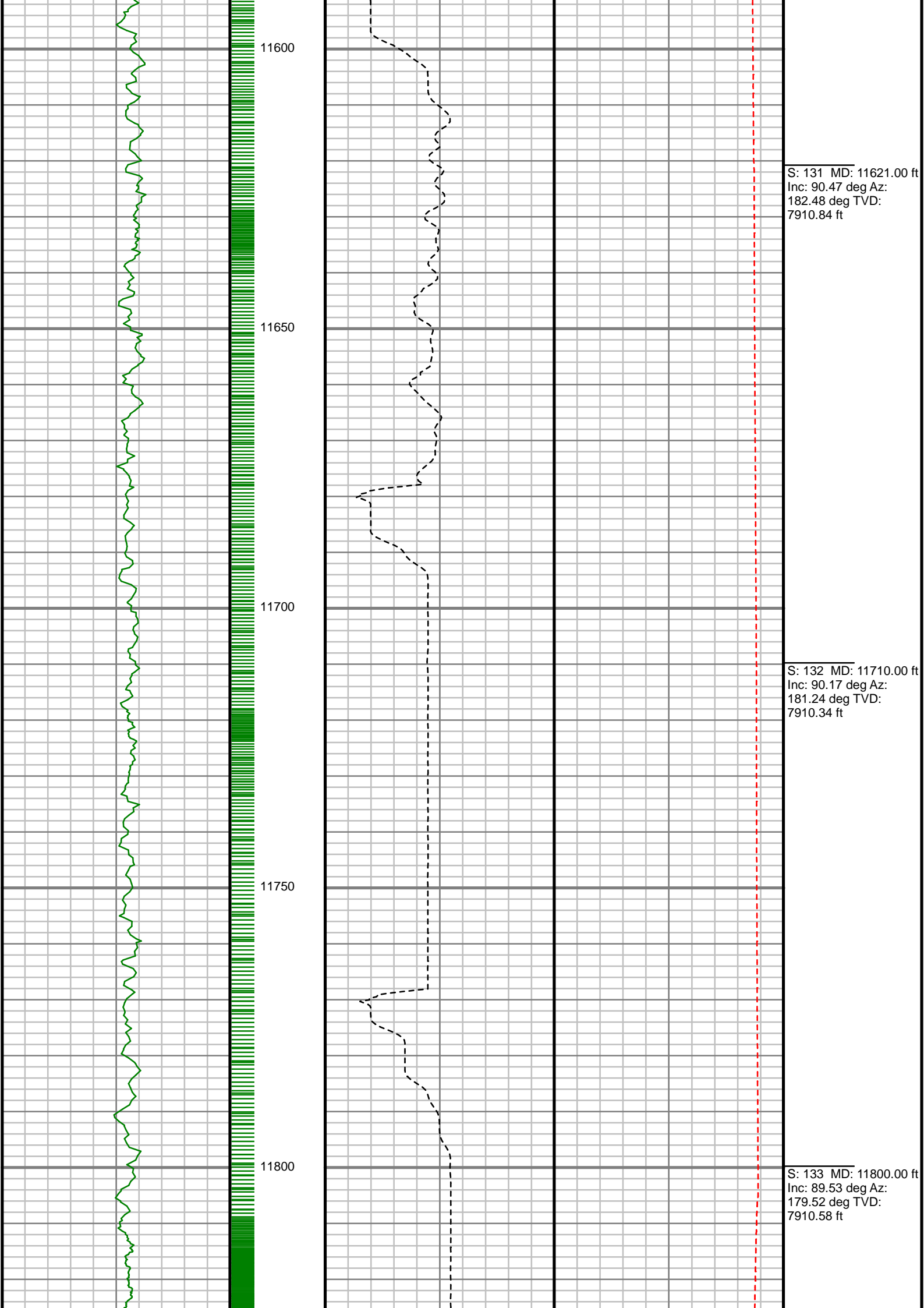
S: 121 MD: 10723.00 ft
Inc: 89.70 deg Az:
181.55 deg TVD:
7905.47 ft

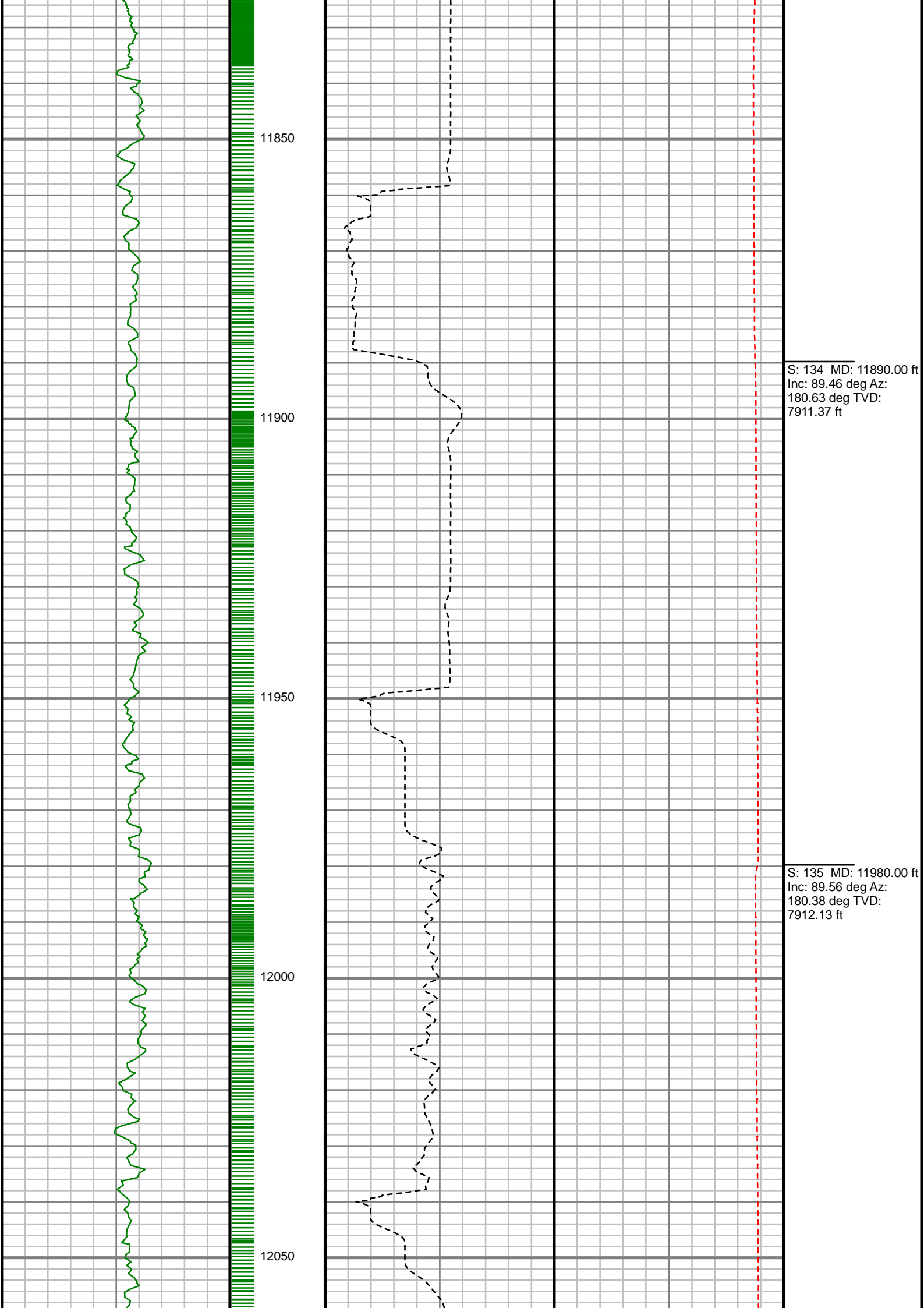
S: 122 MD: 10813.00 ft
Inc: 87.75 deg Az:
180.34 deg TVD:
7907.47 ft

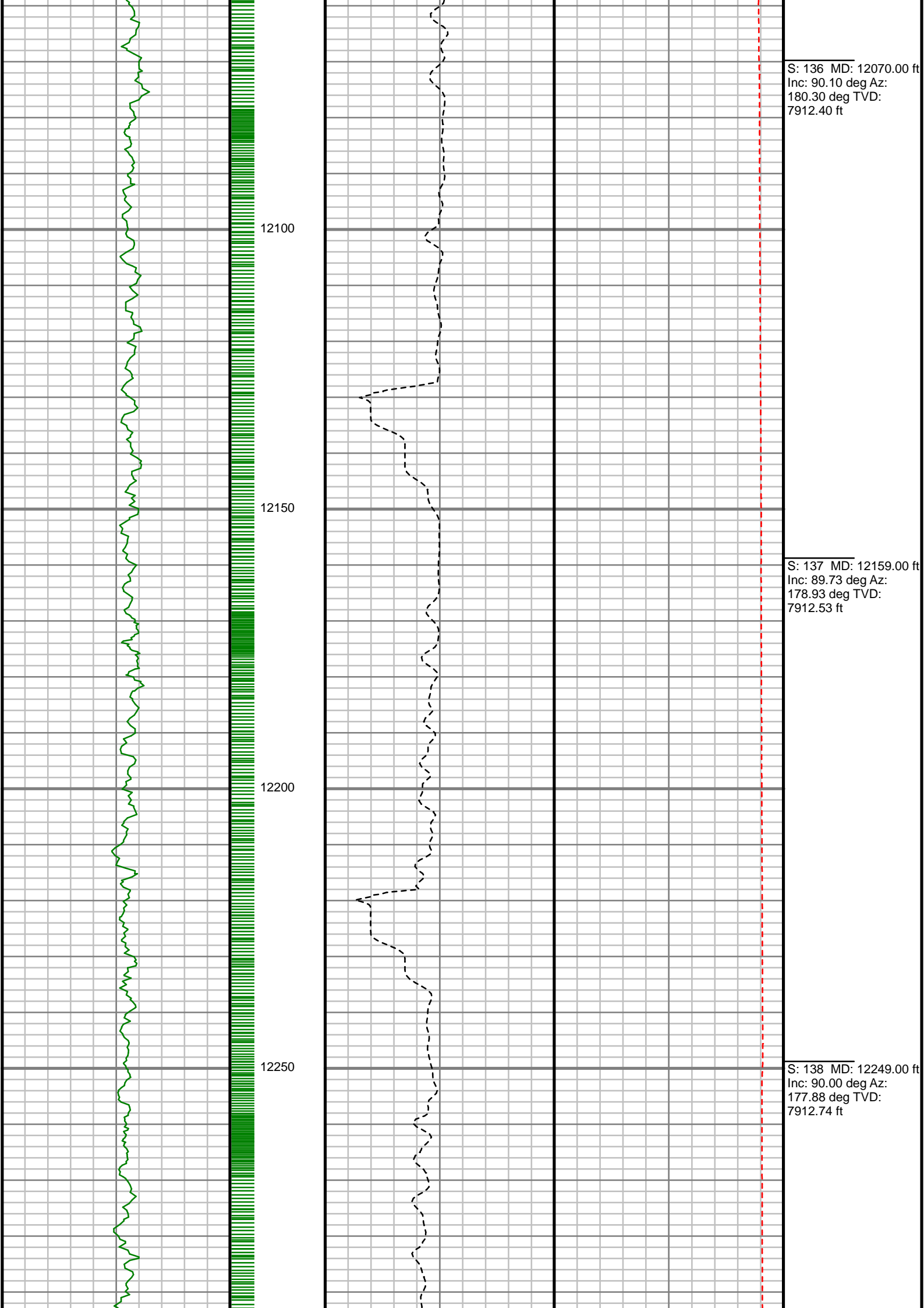


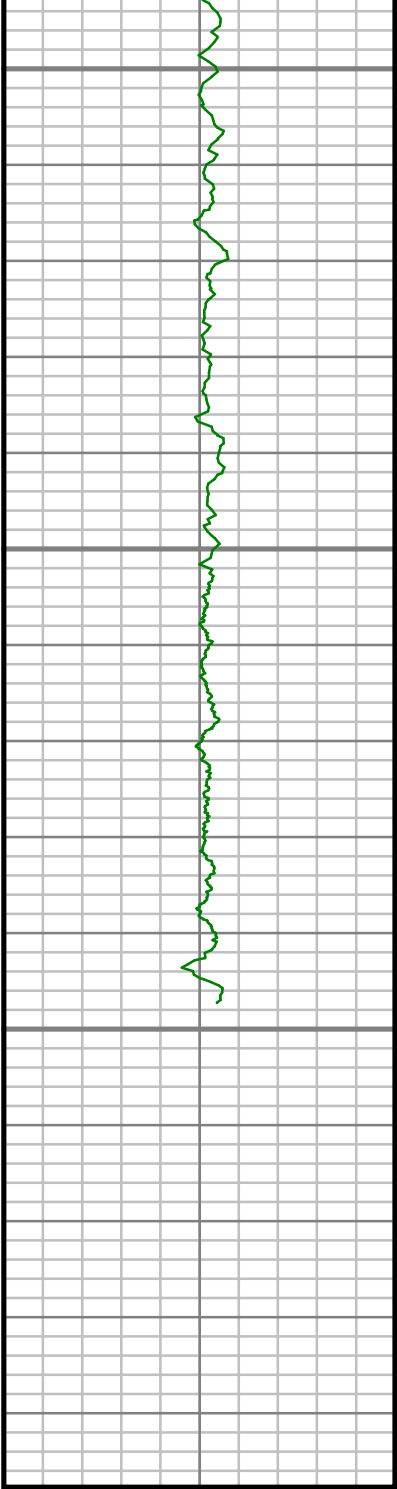












Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1240 (ft)

12300
12350
12400



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

Tool Temperature (T-TEMP)		
0	Unit = °F	250

Comments

S: 139 MD: 12339.00 ft
Inc: 89.53 deg Az:
176.21 deg TVD:
7913.11 ft

Well Location	BUFFALO & BADGER 4E-15HZ PAD
Well Name	BUFFALO 14C-15HZ
Survey Date	3/13/2015
Latitude	40°59'41.449"N
Longitude	104°3'26.470"W
Btotal	52604, 52646, 52692 nT
Dip	66.50, 66.51, 66.54 deg
Magnetic Declination	8.61, 8.62, 8.63 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), 180.00Azim (deg)
Operator(s)	C. COLLINS, H. ORAHOOD, S. NEJAD

Well Notes
SURVEYS FROM 0 FT. TO 1261 FT. WERE ACQUIRED BY CATHEDRAL MWD.
SURVEYS FROM 1392 FT. TO 12339 FT. WERE ACQUIRED BY SCIENTIFIC DRILLING INTERNATIONAL MWD.

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length 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	0.20	98.50	66.00	0.01	-0.01	0.09	0.38	52.00
156.00	0.40	88.00	156.00	0.03	-0.03	0.56	0.23	90.00
262.00	0.40	98.50	262.00	0.07	-0.07	1.29	0.07	106.00
342.00	0.30	21.30	341.99	-0.09	0.09	1.65	0.55	80.00
422.00	0.50	54.70	421.99	-0.48	0.48	2.01	0.37	80.00
502.00	0.60	46.80	501.99	-0.97	0.97	2.60	0.16	80.00
582.00	0.40	69.30	581.99	-1.36	1.36	3.16	0.35	80.00
662.00	0.40	62.60	661.98	-1.58	1.58	3.67	0.06	80.00
742.00	0.30	9.20	741.98	-1.92	1.92	3.96	0.41	80.00
822.00	0.50	303.70	821.98	-2.32	2.32	3.70	0.58	80.00
902.00	0.40	322.20	901.98	-2.73	2.73	3.24	0.22	80.00
982.00	0.40	288.20	981.98	-3.04	3.04	2.80	0.29	80.00
1062.00	0.40	283.40	1061.98	-3.19	3.19	2.26	0.04	80.00
1142.00	0.30	303.50	1141.97	-3.37	3.37	1.82	0.20	80.00
1261.00	0.70	320.50	1260.97	-4.11	4.11	1.10	0.35	119.00
1392.00	2.04	42.75	1391.94	-6.44	6.44	2.17	1.58	131.00
1487.00	4.45	59.10	1486.78	-9.57	9.57	6.48	2.69	95.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
1576.00	7.34	63.89	1575.30	-13.85	13.85	14.55	3.30	89.00
1666.00	7.28	60.21	1664.57	-19.21	19.21	24.67	0.52	90.00
1756.00	8.09	54.16	1753.76	-25.76	25.76	34.76	1.27	90.00
1846.00	8.69	57.76	1842.80	-33.09	33.09	45.64	0.89	90.00
1935.00	8.86	60.98	1930.75	-40.01	40.01	57.32	0.58	89.00
2025.00	10.06	68.73	2019.53	-46.22	46.22	70.71	1.94	90.00
2115.00	11.46	69.53	2107.95	-52.20	52.20	86.42	1.57	90.00
2205.00	10.68	71.34	2196.27	-58.00	58.00	102.70	0.95	90.00
2294.00	10.37	65.84	2283.78	-63.92	63.92	117.82	1.18	89.00
2384.00	9.21	63.26	2372.46	-70.47	70.47	131.64	1.38	90.00
2474.00	9.89	58.53	2461.22	-77.74	77.74	144.66	1.16	90.00
2564.00	9.13	68.42	2549.99	-84.41	84.41	157.90	2.00	90.00
2653.00	10.27	59.16	2637.72	-91.07	91.07	171.28	2.16	89.00
2743.00	8.85	57.51	2726.47	-98.90	98.90	184.00	1.61	90.00
2833.00	9.59	58.98	2815.31	-106.48	106.48	196.26	0.86	90.00
2923.00	10.02	60.89	2903.99	-114.15	114.15	209.52	0.60	90.00
3012.00	11.52	54.68	2991.42	-123.05	123.05	223.54	2.13	89.00
3102.00	9.85	52.44	3079.86	-132.94	132.94	236.97	1.91	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
3192.00	9.99	52.37	3168.52	-142.39	142.39	249.25	0.16	90.00
3282.00	10.03	52.94	3257.15	-151.88	151.88	261.68	0.12	90.00
3371.00	10.67	53.04	3344.70	-161.50	161.50	274.45	0.72	89.00
3461.00	9.57	50.30	3433.30	-171.29	171.29	286.86	1.33	90.00
3551.00	9.46	52.46	3522.06	-180.58	180.58	298.48	0.42	90.00
3641.00	9.36	58.54	3610.85	-188.90	188.90	310.59	1.11	90.00
3730.00	10.52	52.96	3698.52	-197.57	197.57	323.24	1.70	89.00
3820.00	10.93	52.45	3786.95	-207.72	207.72	336.57	0.46	90.00
3910.00	8.85	63.73	3875.61	-215.98	215.98	349.54	3.15	90.00
4000.00	9.17	65.91	3964.50	-221.97	221.97	362.29	0.52	90.00
4089.00	10.32	67.60	4052.22	-227.91	227.91	376.14	1.33	89.00
4179.00	10.76	65.81	4140.70	-234.42	234.42	391.25	0.61	90.00
4269.00	11.49	64.31	4229.01	-241.75	241.75	406.99	0.87	90.00
4359.00	9.87	64.22	4317.45	-248.99	248.99	422.02	1.80	90.00
4448.00	11.14	58.86	4404.95	-256.75	256.75	436.25	1.80	89.00
4538.00	9.46	56.42	4493.50	-265.34	265.34	449.85	1.93	90.00
4628.00	8.58	54.35	4582.39	-273.35	273.35	461.47	1.04	90.00
4718.00	10.26	59.01	4671.17	-281.39	281.39	473.80	2.04	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
4808.00	10.51	59.59	4759.70	-289.67	289.67	487.75	0.30	90.00
4897.00	12.37	66.00	4846.93	-297.66	297.66	503.46	2.53	89.00
4987.00	12.33	68.38	4934.85	-305.12	305.12	521.20	0.57	90.00
5077.00	11.03	69.28	5022.98	-311.71	311.71	538.18	1.45	90.00
5167.00	8.25	70.49	5111.70	-316.91	316.91	552.33	3.09	90.00
5257.00	8.26	72.39	5200.77	-321.02	321.02	564.58	0.30	90.00
5347.00	9.59	72.69	5289.68	-325.21	325.21	577.90	1.47	90.00
5436.00	12.15	69.61	5377.07	-330.68	330.68	593.76	2.95	89.00
5526.00	11.05	67.76	5465.23	-337.25	337.25	610.62	1.29	90.00
5616.00	9.37	64.17	5553.81	-343.71	343.71	625.20	2.00	90.00
5706.00	6.89	58.86	5642.90	-349.69	349.69	636.41	2.88	90.00
5796.00	5.98	55.48	5732.33	-355.14	355.14	644.90	1.10	90.00
5885.00	5.18	51.24	5820.91	-360.28	360.28	651.85	1.01	89.00
5975.00	3.82	41.99	5910.63	-365.05	365.05	657.02	1.70	90.00
6065.00	2.82	37.21	6000.48	-369.05	369.05	660.37	1.15	90.00
6155.00	2.19	30.47	6090.39	-372.29	372.29	662.58	0.78	90.00
6245.00	2.00	327.52	6180.34	-375.10	375.10	662.61	2.44	90.00
6334.00	0.62	328.29	6269.32	-376.82	376.82	661.52	1.54	89.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
6424.00	1.34	165.84	6359.31	-376.21	376.21	661.52	2.16	90.00
6514.00	0.84	141.41	6449.29	-374.67	374.67	662.19	0.75	90.00
6604.00	0.53	255.37	6539.29	-374.05	374.05	662.20	1.29	90.00
6694.00	0.78	273.95	6629.28	-373.99	373.99	661.18	0.36	90.00
6784.00	0.65	291.04	6719.28	-374.21	374.21	660.10	0.28	90.00
6873.00	0.64	304.49	6808.27	-374.67	374.67	659.22	0.17	89.00
6963.00	0.36	303.59	6898.27	-375.12	375.12	658.58	0.31	90.00
7053.00	0.55	331.14	6988.27	-375.65	375.65	658.13	0.32	90.00
7143.00	1.05	7.37	7078.26	-376.85	376.85	658.02	0.76	90.00
7232.00	1.31	189.26	7167.25	-376.65	376.65	657.97	2.65	89.00
7322.00	4.56	168.35	7257.12	-372.13	372.13	658.52	3.75	90.00
7412.00	11.70	179.55	7346.16	-359.48	359.48	659.32	8.09	90.00
7502.00	17.51	175.79	7433.22	-336.83	336.83	660.38	6.54	90.00
7592.00	26.60	177.43	7516.55	-303.13	303.13	662.28	10.12	90.00
7681.00	33.98	176.44	7593.34	-258.34	258.34	664.72	8.31	89.00
7771.00	42.84	181.22	7663.81	-202.52	202.52	665.63	10.38	90.00
7861.00	49.33	184.89	7726.21	-137.84	137.84	662.06	7.78	90.00
7951.00	60.15	181.77	7778.10	-64.59	64.59	657.93	12.35	90.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
8040.00	65.85	181.94	7818.49	14.63	-14.63	655.36	6.40	89.00
8130.00	71.48	183.12	7851.22	98.35	-98.35	651.65	6.37	90.00
8220.00	76.10	182.76	7876.34	184.63	-184.63	647.23	5.15	90.00
8295.00	83.20	180.94	7889.81	258.32	-258.32	644.86	9.76	75.00
8389.00	87.04	180.44	7897.80	351.96	-351.96	643.73	4.12	94.00
8479.00	90.60	180.45	7899.65	441.92	-441.92	643.03	3.96	90.00
8568.00	90.94	179.57	7898.45	530.91	-530.91	643.02	1.06	89.00
8658.00	90.70	178.40	7897.16	620.89	-620.89	644.62	1.32	90.00
8748.00	89.16	174.42	7897.26	710.69	-710.69	650.26	4.74	90.00
8838.00	90.50	173.80	7897.53	800.21	-800.21	659.49	1.65	90.00
8928.00	89.46	173.44	7897.55	889.65	-889.65	669.49	1.22	90.00
9017.00	90.94	176.09	7897.24	978.27	-978.27	677.61	3.40	89.00
9107.00	91.21	177.03	7895.56	1068.09	-1068.09	683.01	1.09	90.00
9197.00	87.28	177.75	7896.74	1157.97	-1157.97	687.10	4.44	90.00
9287.00	89.50	179.55	7899.27	1247.90	-1247.90	689.22	3.17	90.00
9377.00	90.94	179.48	7898.93	1337.90	-1337.90	689.98	1.61	90.00
9466.00	89.56	179.72	7898.54	1426.89	-1426.89	690.60	1.57	89.00
9556.00	90.34	178.97	7898.62	1516.88	-1516.88	691.63	1.19	90.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
9646.00	90.30	179.51	7898.12	1606.87	-1606.87	692.82	0.60	90.00
9736.00	89.90	180.05	7897.96	1696.87	-1696.87	693.16	0.74	90.00
9825.00	90.70	179.99	7897.49	1785.87	-1785.87	693.14	0.91	89.00
9915.00	89.80	179.76	7897.10	1875.87	-1875.87	693.33	1.04	90.00
10005.00	90.50	179.55	7896.86	1965.87	-1965.87	693.87	0.82	90.00
10095.00	88.79	179.68	7897.41	2055.86	-2055.86	694.48	1.91	90.00
10184.00	89.23	180.23	7898.95	2144.84	-2144.84	694.55	0.79	89.00
10274.00	87.35	178.98	7901.64	2234.80	-2234.80	695.18	2.51	90.00
10364.00	91.14	180.32	7902.83	2324.77	-2324.77	695.73	4.47	90.00
10454.00	90.50	181.02	7901.54	2414.75	-2414.75	694.67	1.05	90.00
10544.00	88.39	181.93	7902.41	2504.71	-2504.71	692.35	2.56	90.00
10633.00	88.99	181.53	7904.44	2593.65	-2593.65	689.66	0.81	89.00
10723.00	89.70	181.55	7905.47	2683.61	-2683.61	687.25	0.78	90.00
10813.00	87.75	180.34	7907.47	2773.57	-2773.57	685.77	2.55	90.00
10903.00	90.54	180.73	7908.82	2863.55	-2863.55	684.93	3.13	90.00
10992.00	90.23	179.92	7908.22	2952.54	-2952.54	684.42	0.97	89.00
11082.00	88.39	177.50	7909.30	3042.50	-3042.50	686.44	3.38	90.00
11172.00	89.36	176.56	7911.06	3132.36	-3132.36	691.10	1.50	90.00

5" = 100' FEET MD