



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC  
WELL : LAND FED 13N-32HZ  
FIELD : WATTENBERG  
COUNTY : WELD  
STATE : COLORADO  
COUNTRY : U.S.A.  
UWI : 051232424000000

COMPANY : ANADARKO E&P ONSHORE LLC

WELL : LAND FED 13N-32HZ

FIELD : WATTENBERG

COUNTY : WELD

STATE : COLORADO

COUNTRY : U.S.A.

UWI : 05123424000000

WELL LOCATION

LAT:40°5'56.497"N LONG:104°48'19.872"W  
N:14562852.96 ft E:1694802.23 ft

SEC:32

TWP : 2N

RANGE: 66W

OTHER SERVICES

DIRECTIONAL  
ROP

DEPTH REF. : RKB

REF. HEIGHT : 20.000 ft

RKB to Ground Level

GROUND LEVEL : 4899.000 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	1921	0 - 20	0	1434
8.5	1921	7064	20 - 20	1434	4445
7.875	7064	13050	20 - 2	4445	6984
			2 - 90	6984	8367
			90 - 91	8367	13050

## CASING RECORD

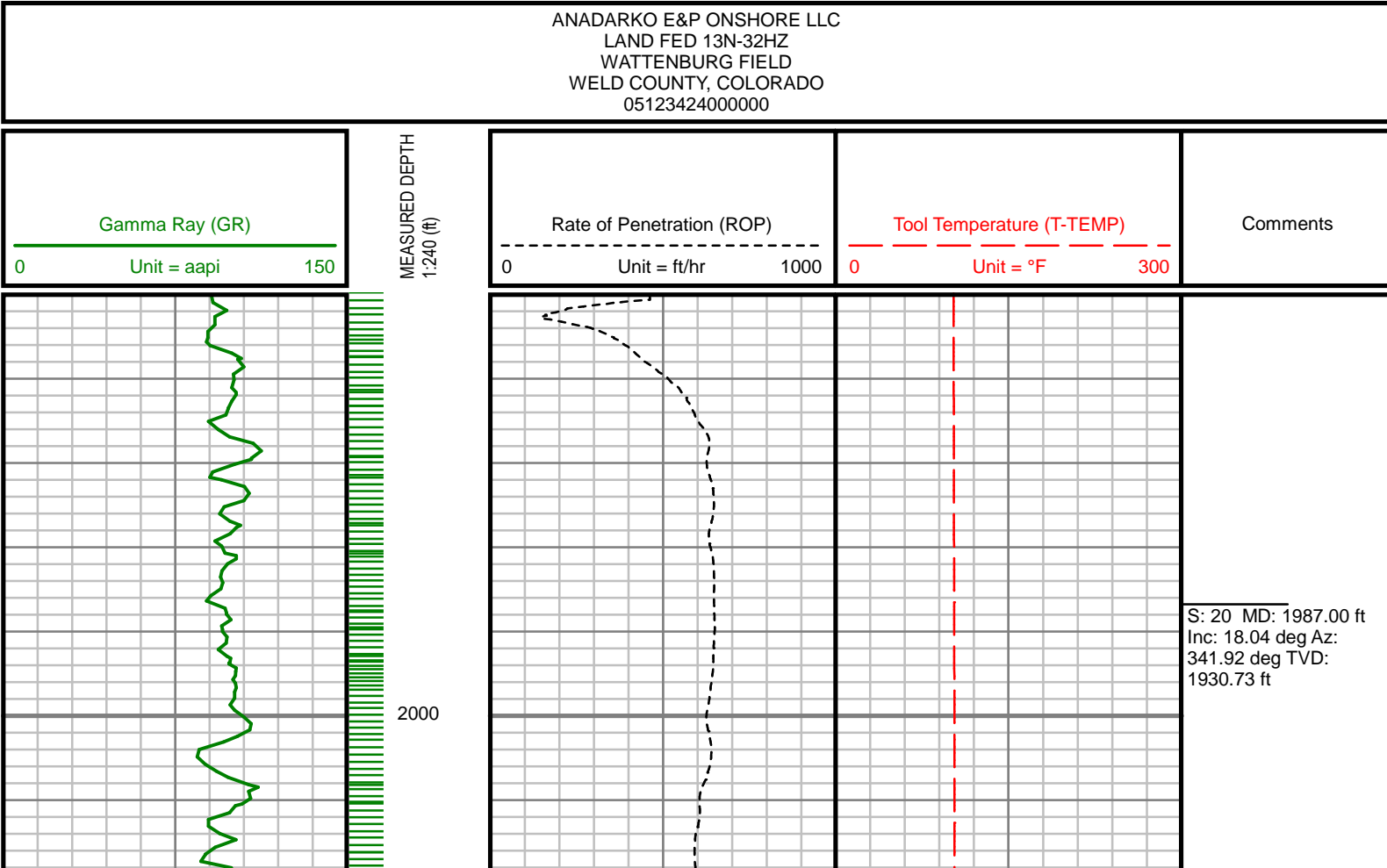
CASING SIZE in	FROM ft	TO ft	
9.625	0	1899	
			DRILLING CO. : PRECISION DRILLING
			RIG : 461
			LWD UNIT NO. : DISTRICT : CASPER
			SPUD DATE : 05/16/2016
			LWD START DATE : 06/19/2016 DEPTH : 1950 ft
			LWD END DATE : 06/22/2016 DEPTH : 13050 ft
			TOTAL DEPTH : 13050 ft

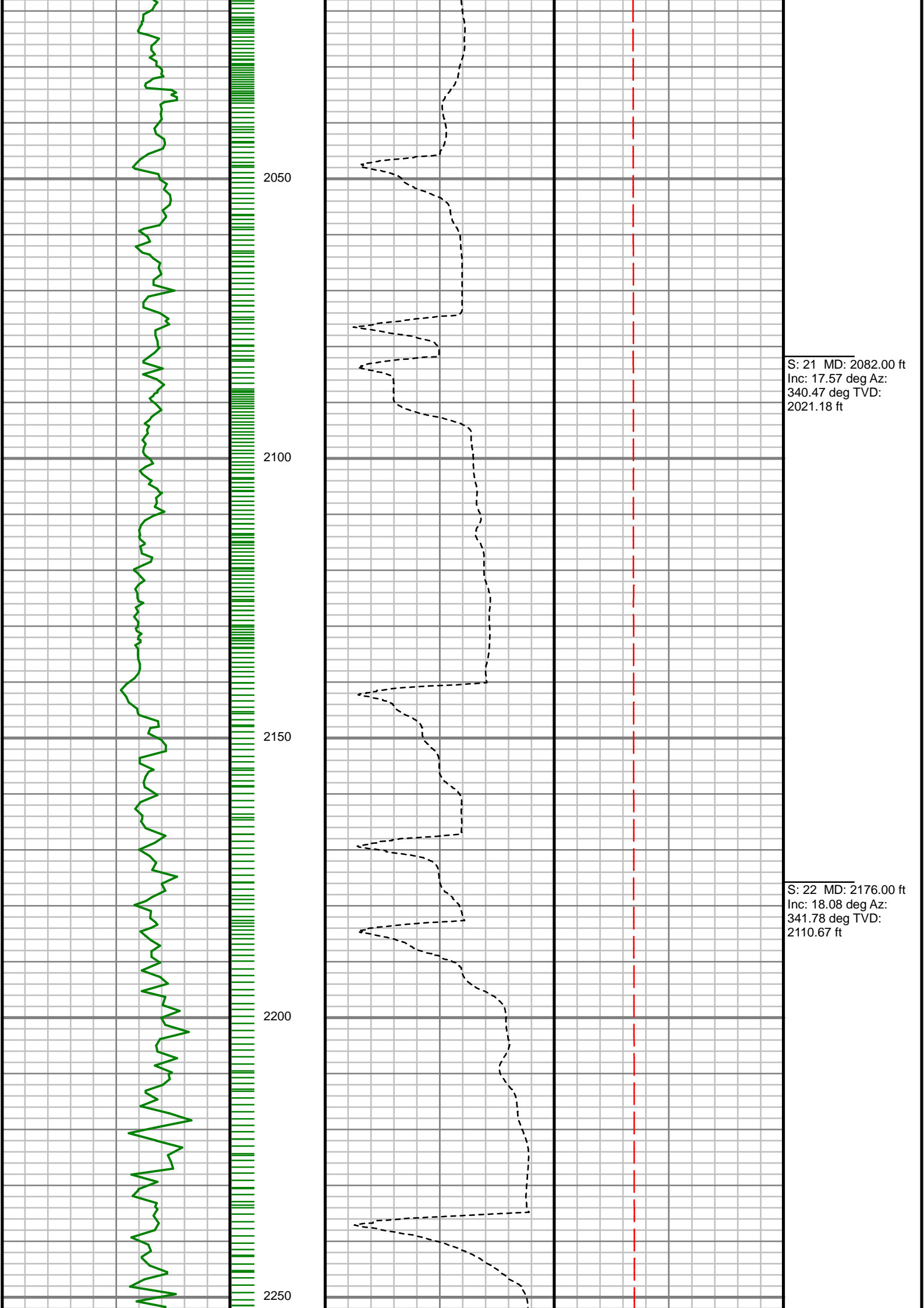
Run Data

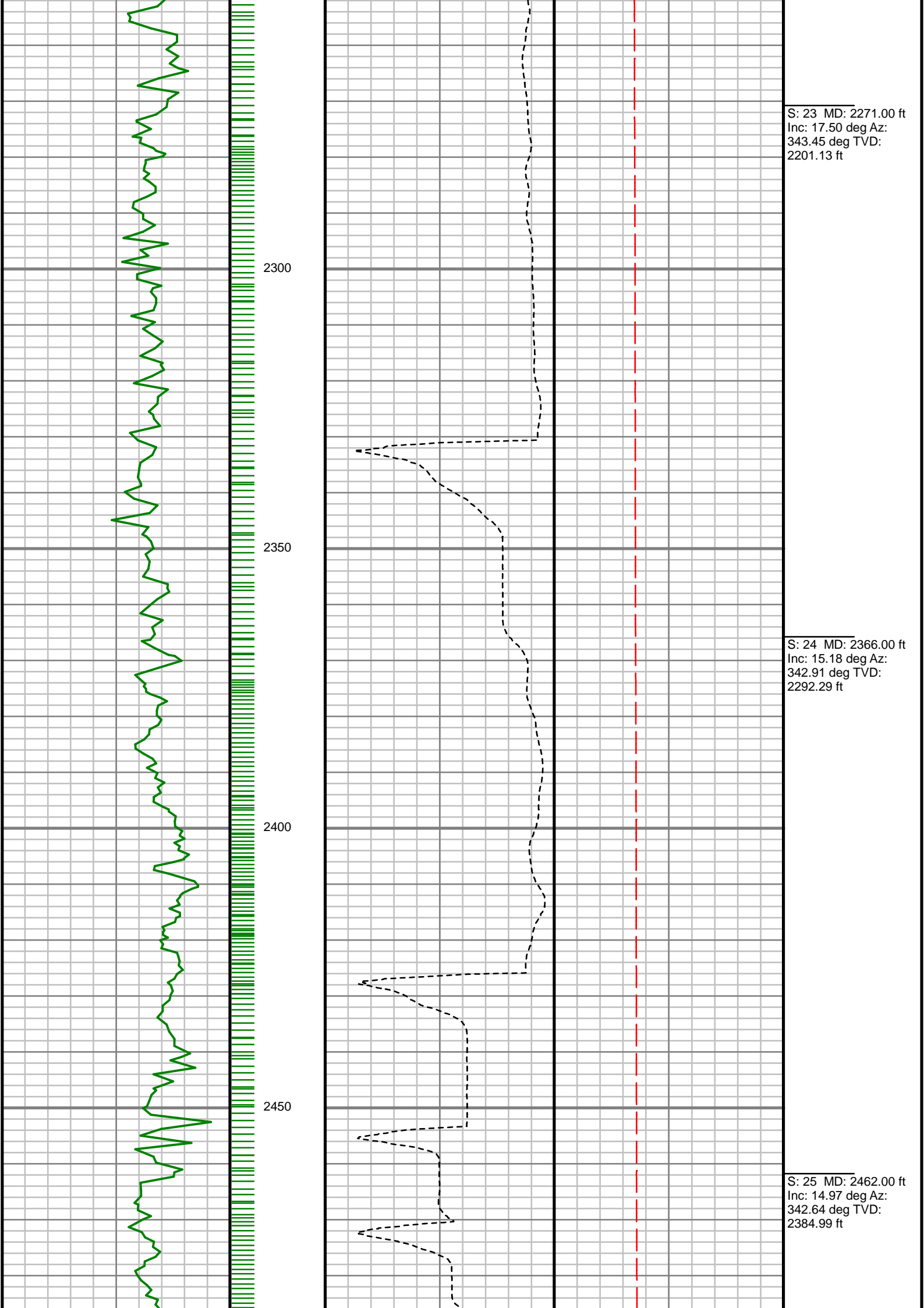
Run Data						
RUN NUMBER	1	2				
START DATE	06/19/2016	06/20/2016				
START TIME	0730	1930				
END DATE	06/20/2016	06/22/2016				
END TIME	1630	2230				
DEPTH IN (ft)	1921	7064				
DEPTH OUT (ft)	7064	13050				
LOG TOP (ft)	1950	7011				
LOG BOTTOM (ft)	7011	13050				
HOLE SIZE (in)	8.5	7.875				
MUD DATA @ (ft)	4504	13050				
MUD TYPE	OIL-BASED	OIL-BASED				
DENSITY (lb / gal)	8.85	9.7				
VISCOSITY (s / qt)	62	64				
pH	6.4	6.2				
FLUID LOSS (cm <sup>3</sup> / 30)	-	-				
SALINITY (ppm)	40000	39000				
Rm (ohmm @ deg F)	-	-				
Rmf (ohmm @ deg F)	-	-				
MAX TEMP (deg F)	160	231				
Rm @ MAX TEMP (ohmm)	-	-				
LWD ENGINEER #1	M. SMITH	M. SMITH				
LWD ENGINEER #2	C. WRIGHT	C. WRIGHT				
LWD ENGINEER #3	-	-				
LOG WITNESS #1	-	-				
LOG WITNESS #2	-	-				

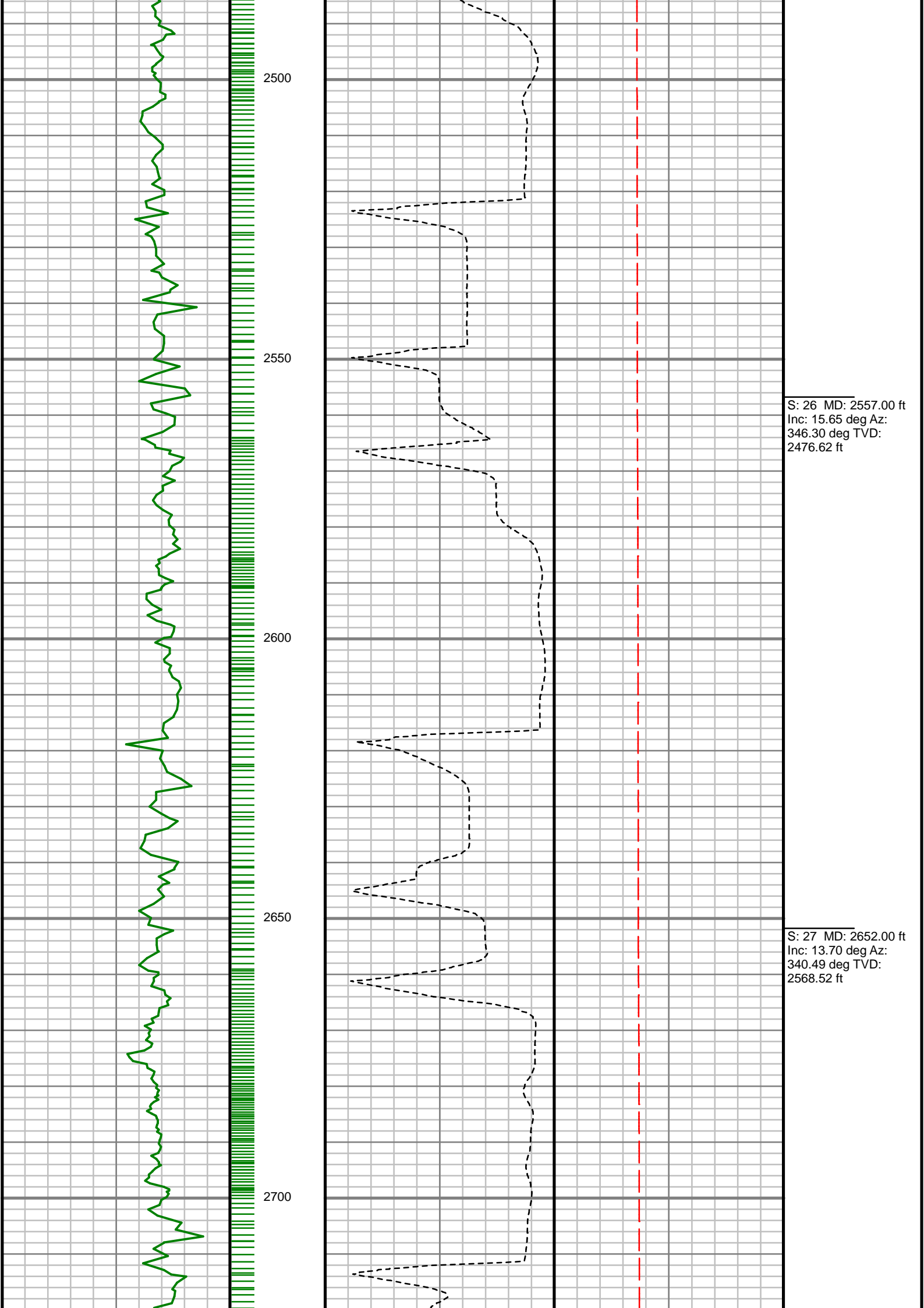
Remarks
ANADARKO E&P ONSHORE LLC PRODUCTION AFE# 2122899
SCIENTIFIC DRILLING INTERNATIONAL JOB# 367896
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED 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 = 128-003 / CONT = 225 / MWD EYE = 0380 / GAMMA RAY = 1212
BIT TO SENSOR OFFSETS: SURVEY = 61.74 FT. / GAMMA RAY = 53.05 FT.
RUN # 2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-003 / CONT = 225 / MWD EYE = 0380 / GAMMA RAY = 1212
BIT TO SENSOR OFFSETS: SURVEY = 53.34 FT. / GAMMA RAY = 44.65 FT.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION
T-TEMP = TOOL TEMPERATURE

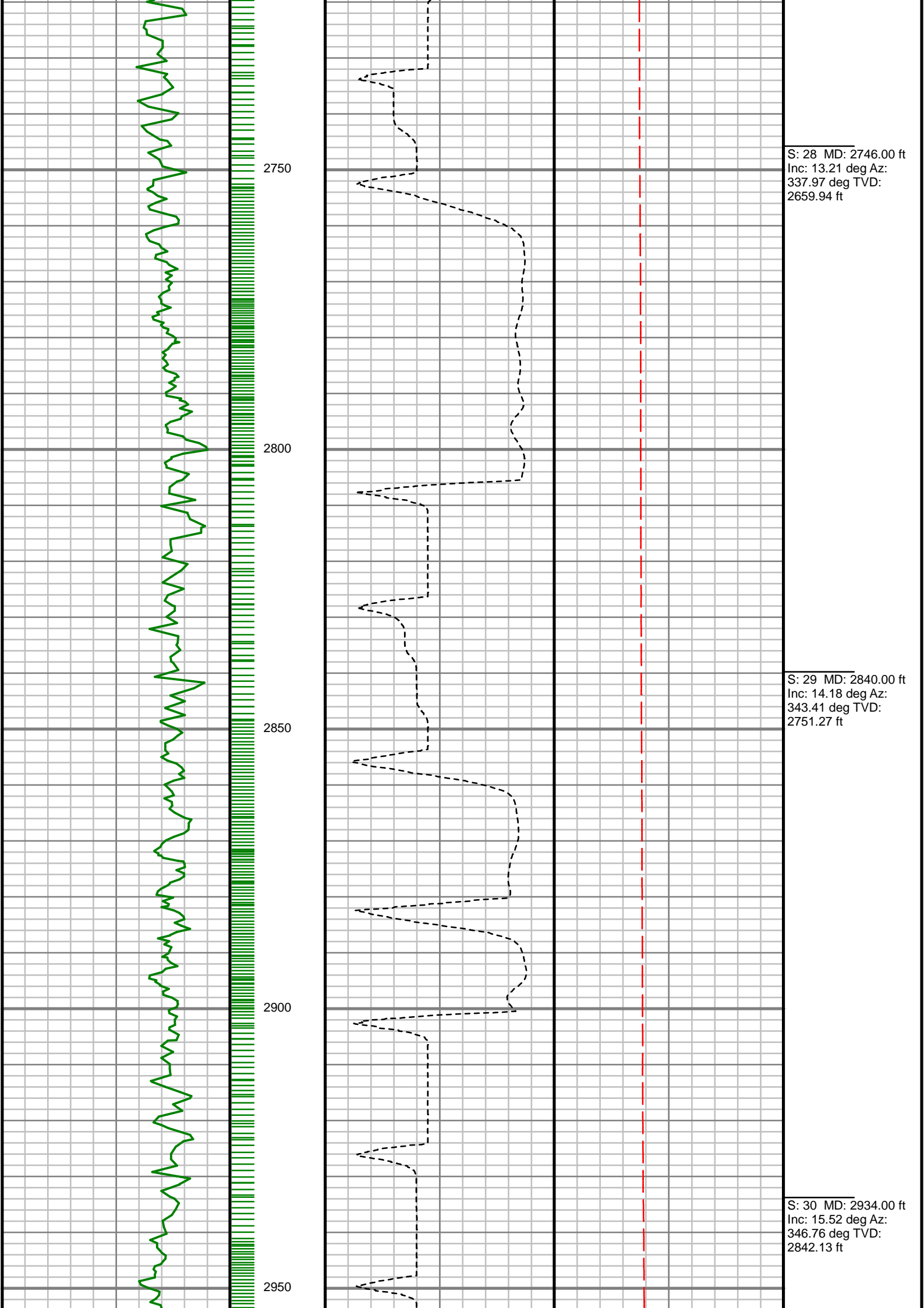
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

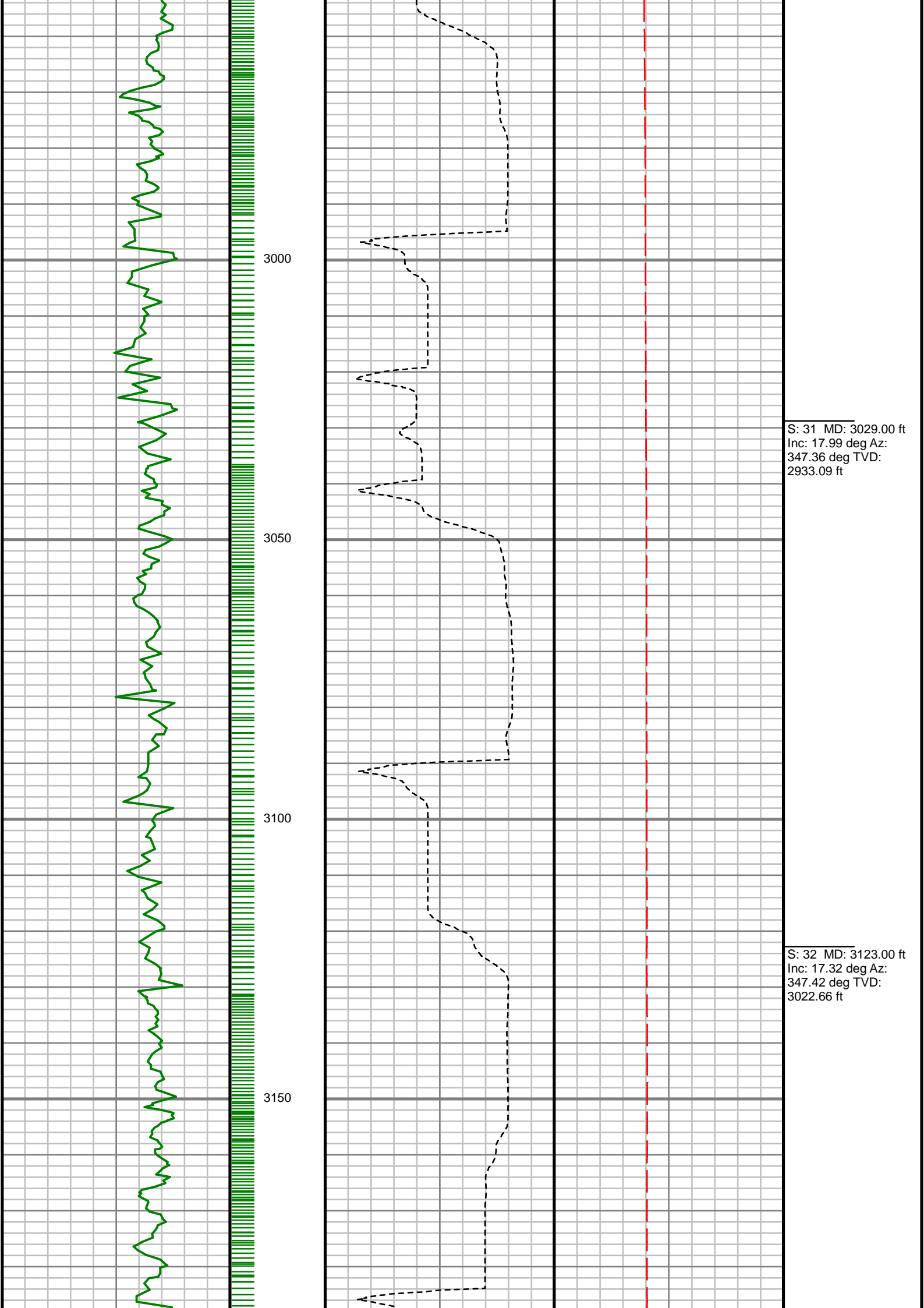






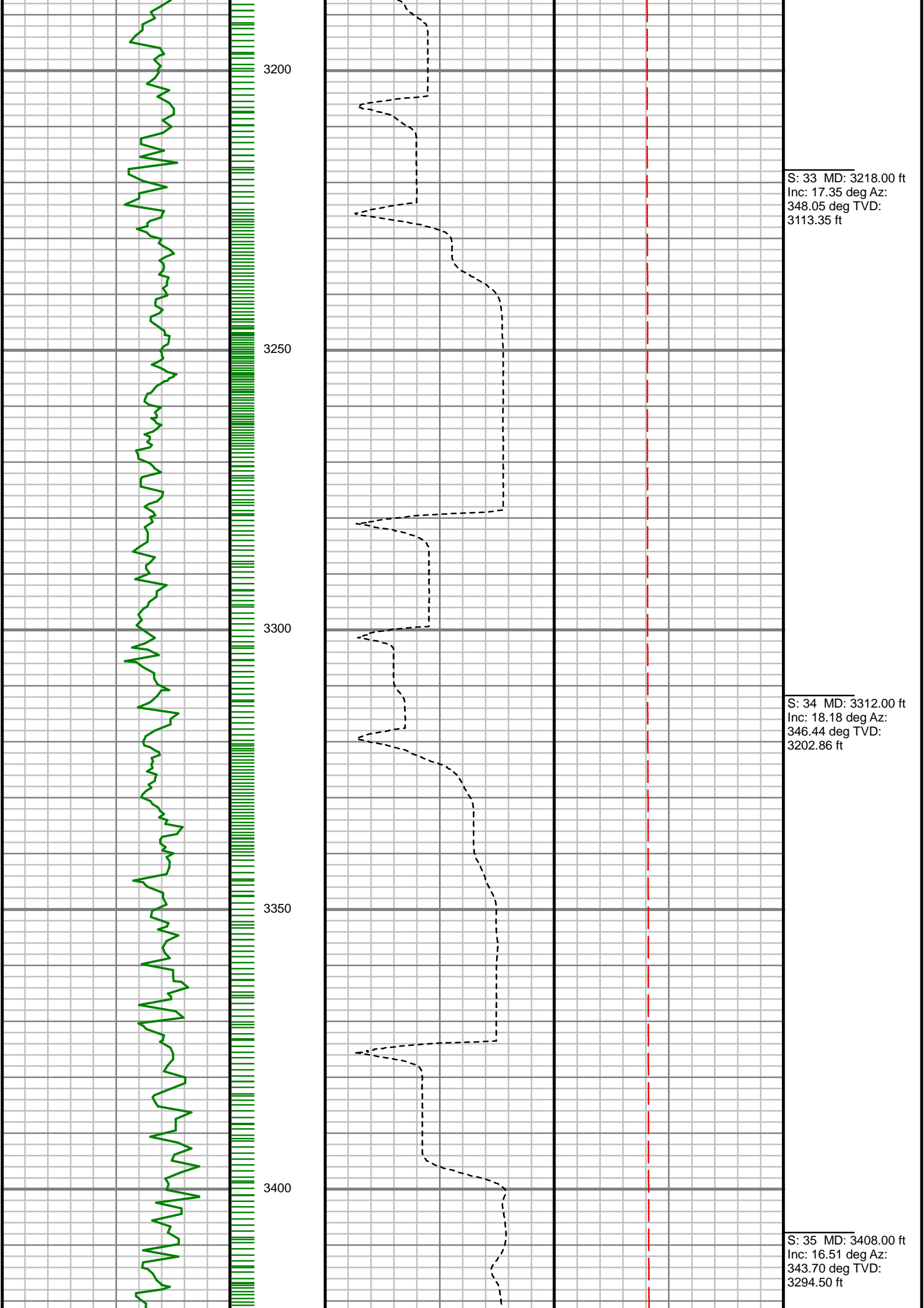




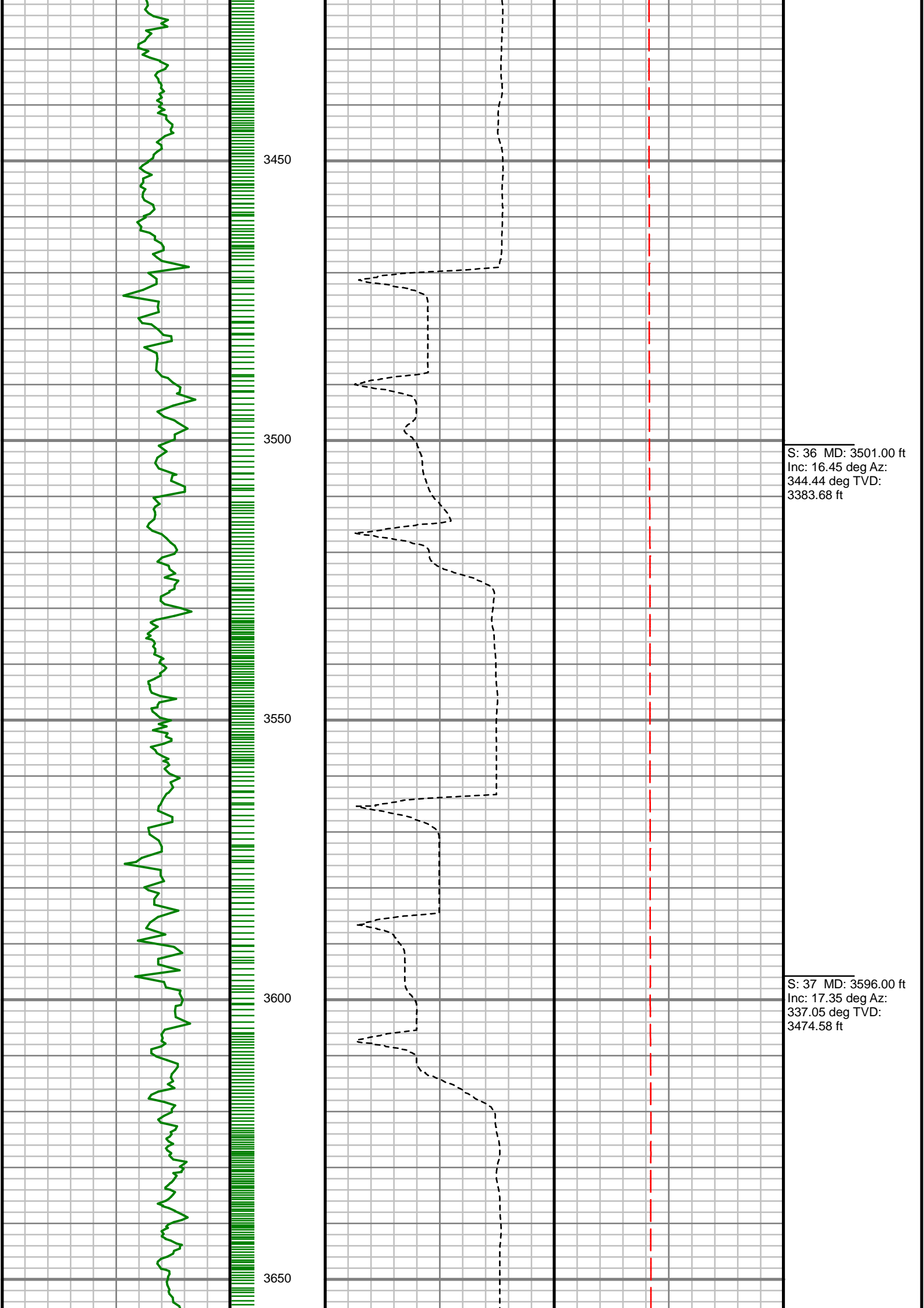


S: 31 MD: 3029.00 ft  
Inc: 17.99 deg Az:  
347.36 deg TVD:  
2933.09 ft

S: 32 MD: 3123.00 ft  
Inc: 17.32 deg Az:  
347.42 deg TVD:  
3022.66 ft

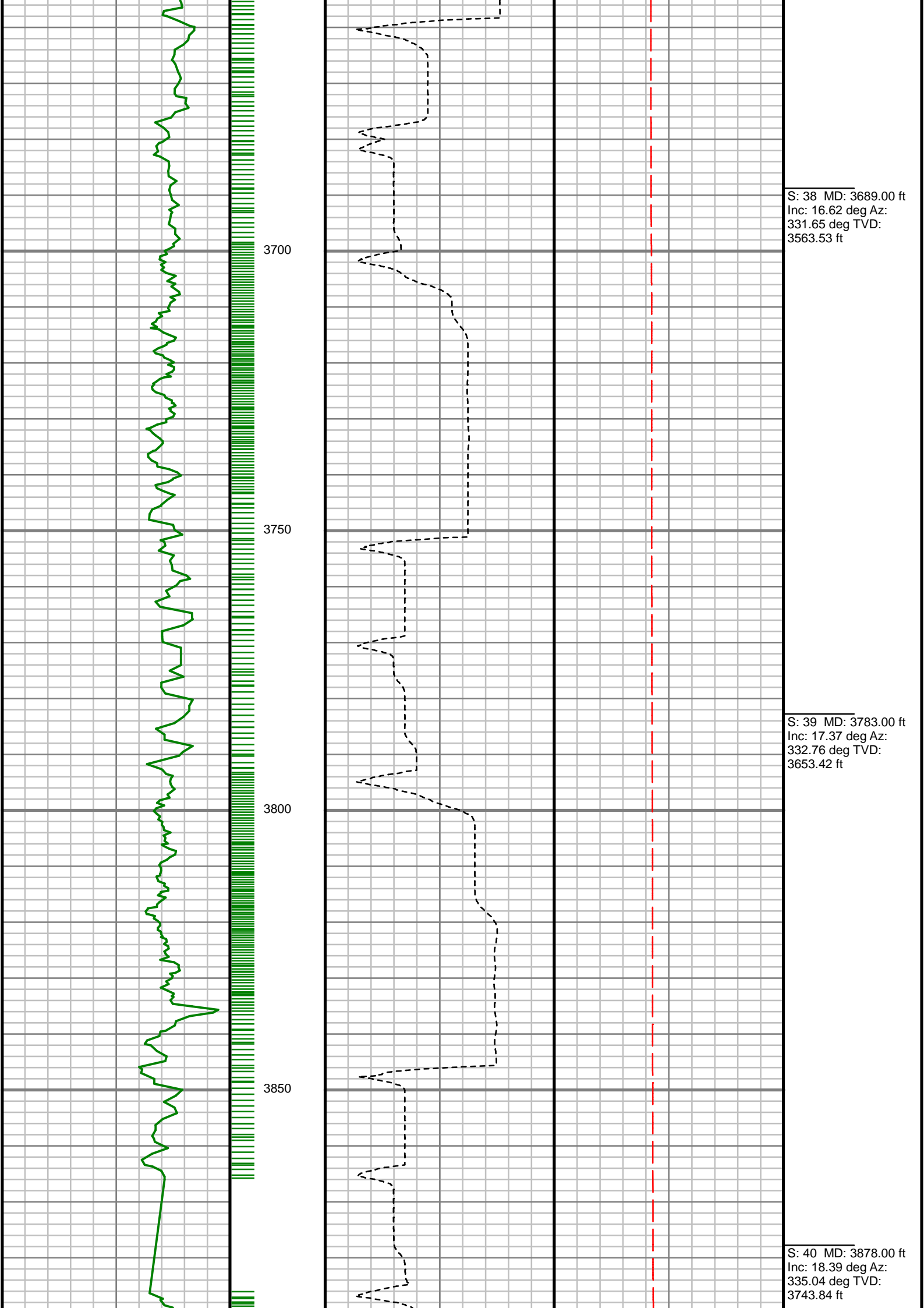


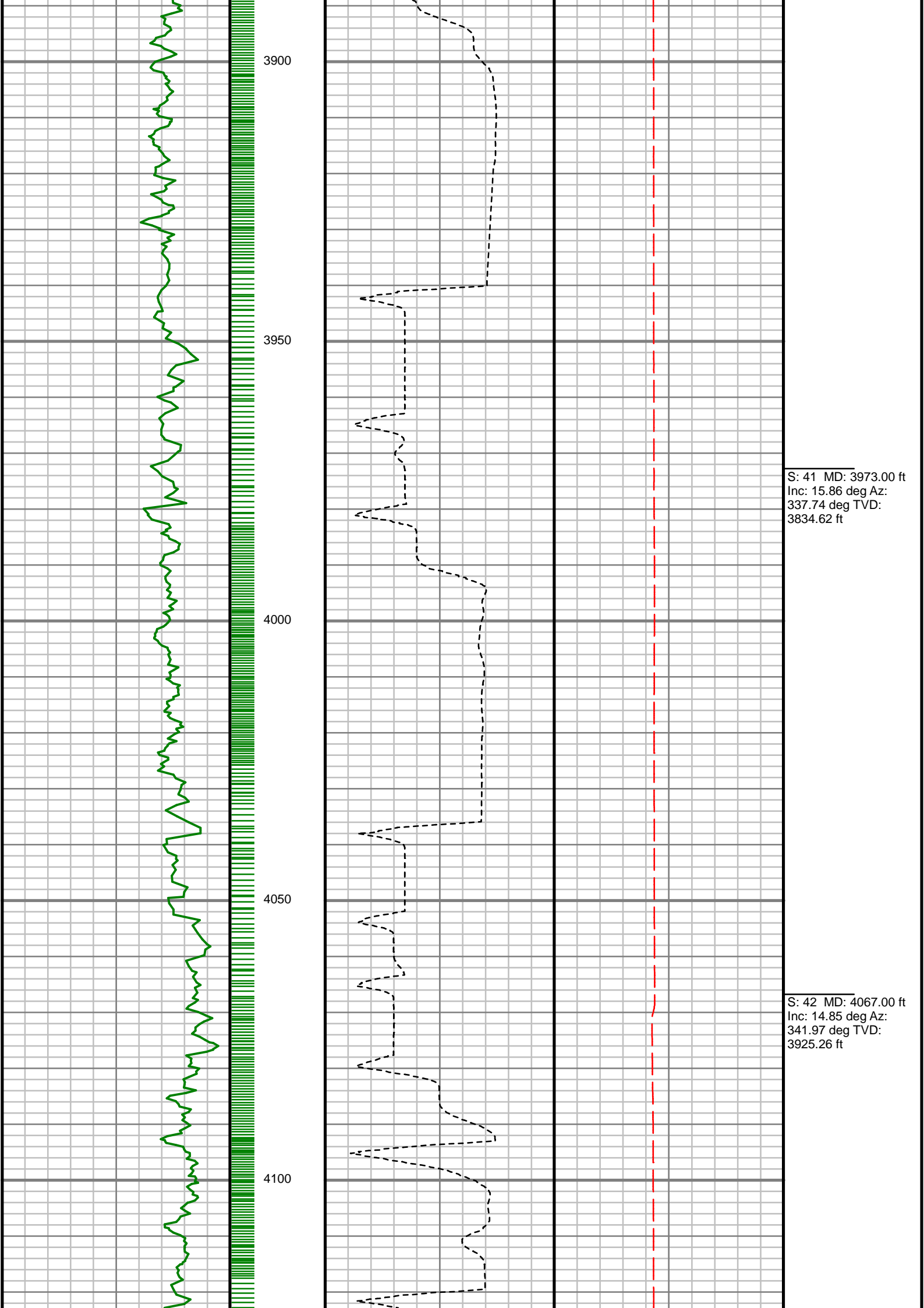


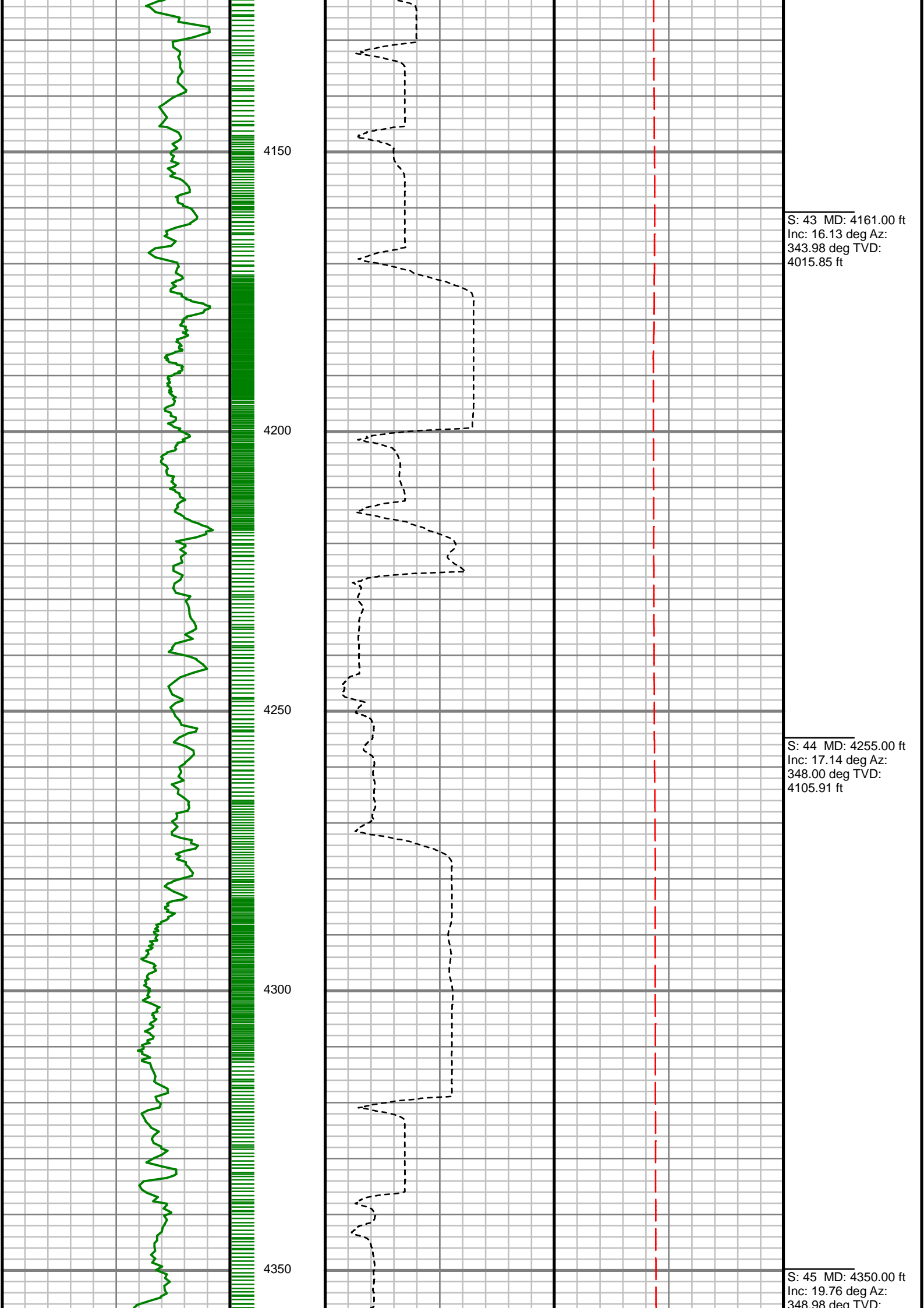


S: 36 MD: 3501.00 ft  
Inc: 16.45 deg Az:  
344.44 deg TVD:  
3383.68 ft

S: 37 MD: 3596.00 ft  
Inc: 17.35 deg Az:  
337.05 deg TVD:  
3474.58 ft



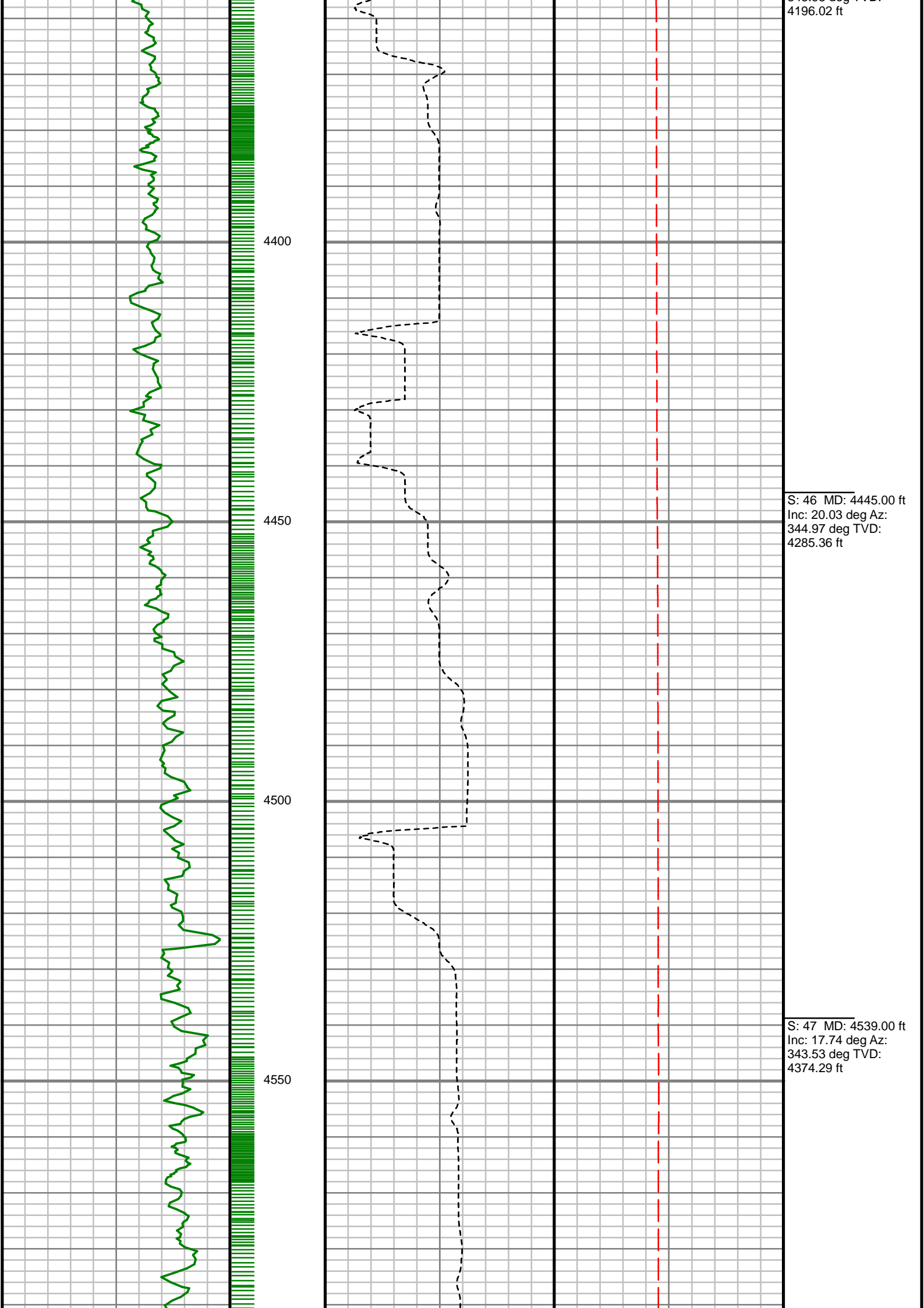


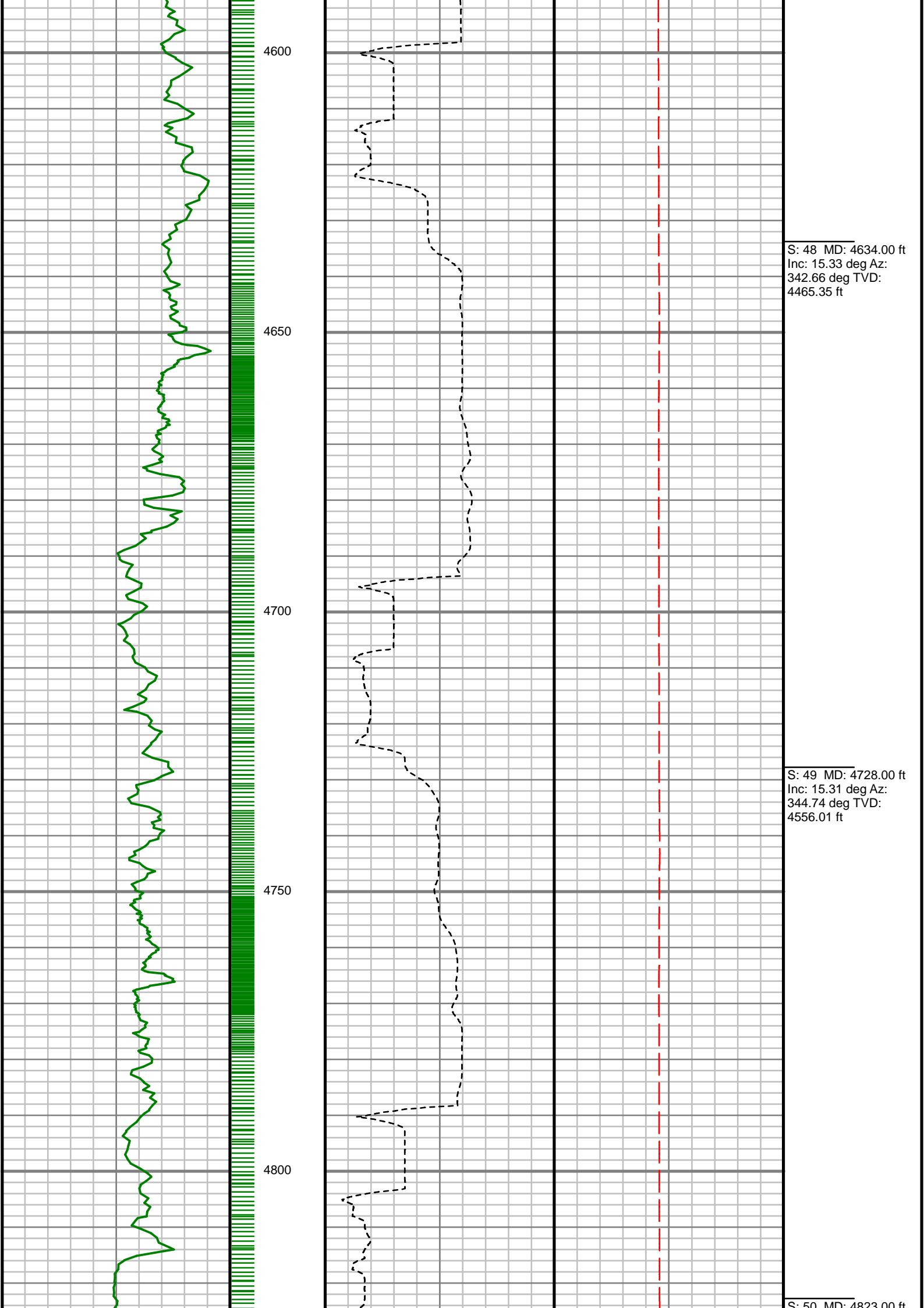


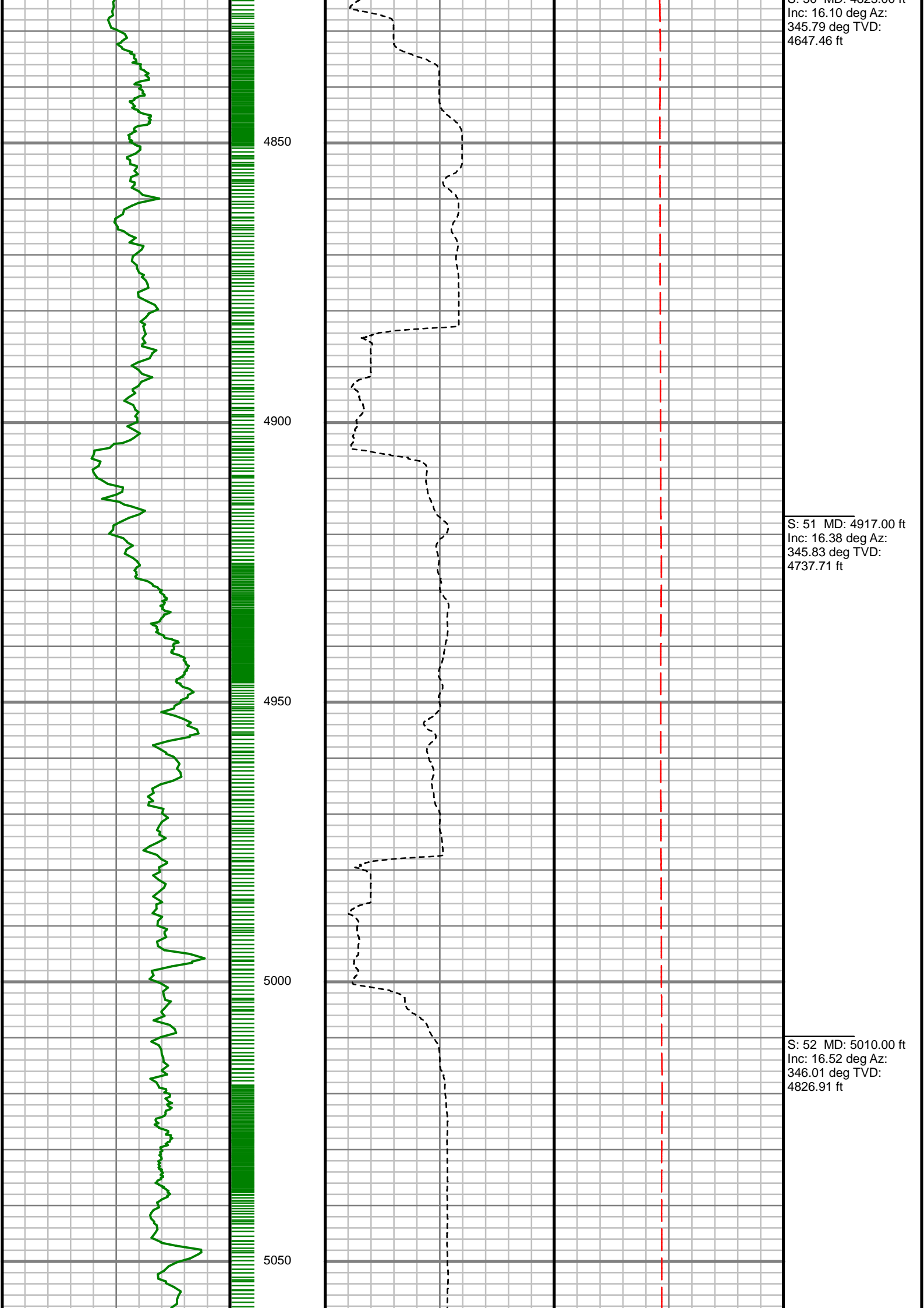
S: 43 MD: 4161.00 ft  
Inc: 16.13 deg Az:  
343.98 deg TVD:  
4015.85 ft

S: 44 MD: 4255.00 ft  
Inc: 17.14 deg Az:  
348.00 deg TVD:  
4105.91 ft

S: 45 MD: 4350.00 ft  
Inc: 19.76 deg Az:  
348.98 deg TVD:



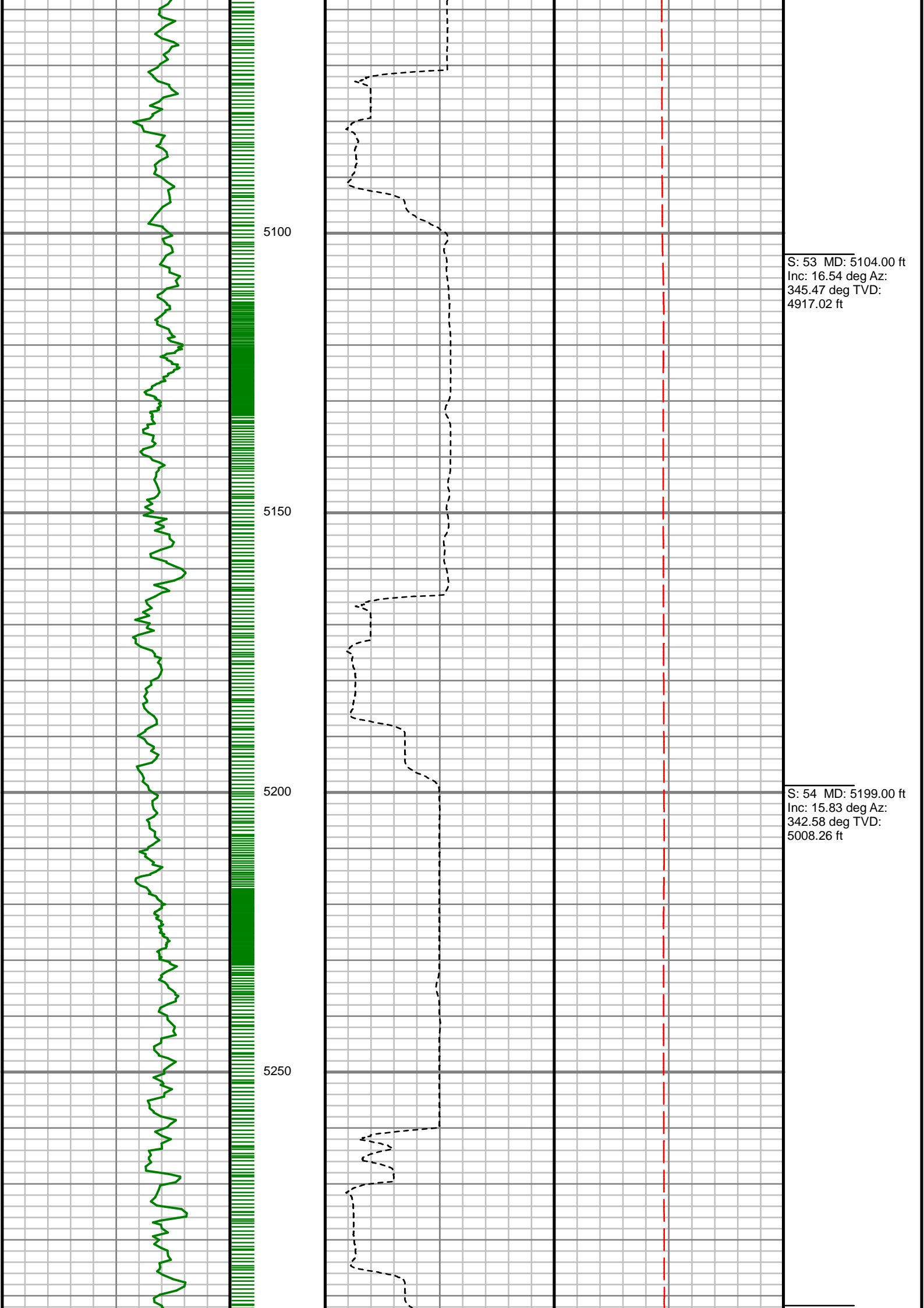




S: 50 MD: 4820.00 ft  
Inc: 16.10 deg Az:  
345.79 deg TVD:  
4647.46 ft

S: 51 MD: 4917.00 ft  
Inc: 16.38 deg Az:  
345.83 deg TVD:  
4737.71 ft

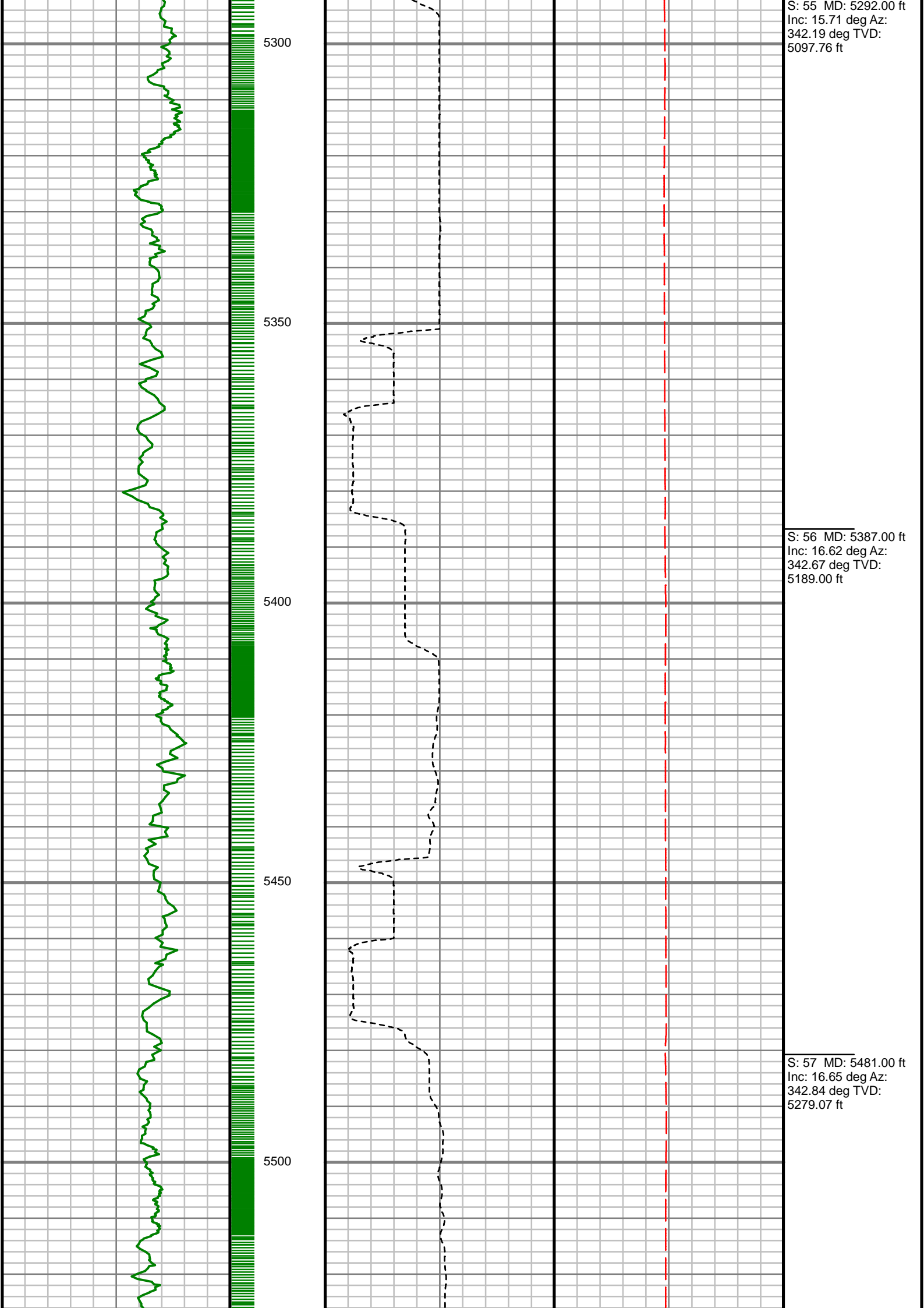
S: 52 MD: 5010.00 ft  
Inc: 16.52 deg Az:  
346.01 deg TVD:  
4826.91 ft

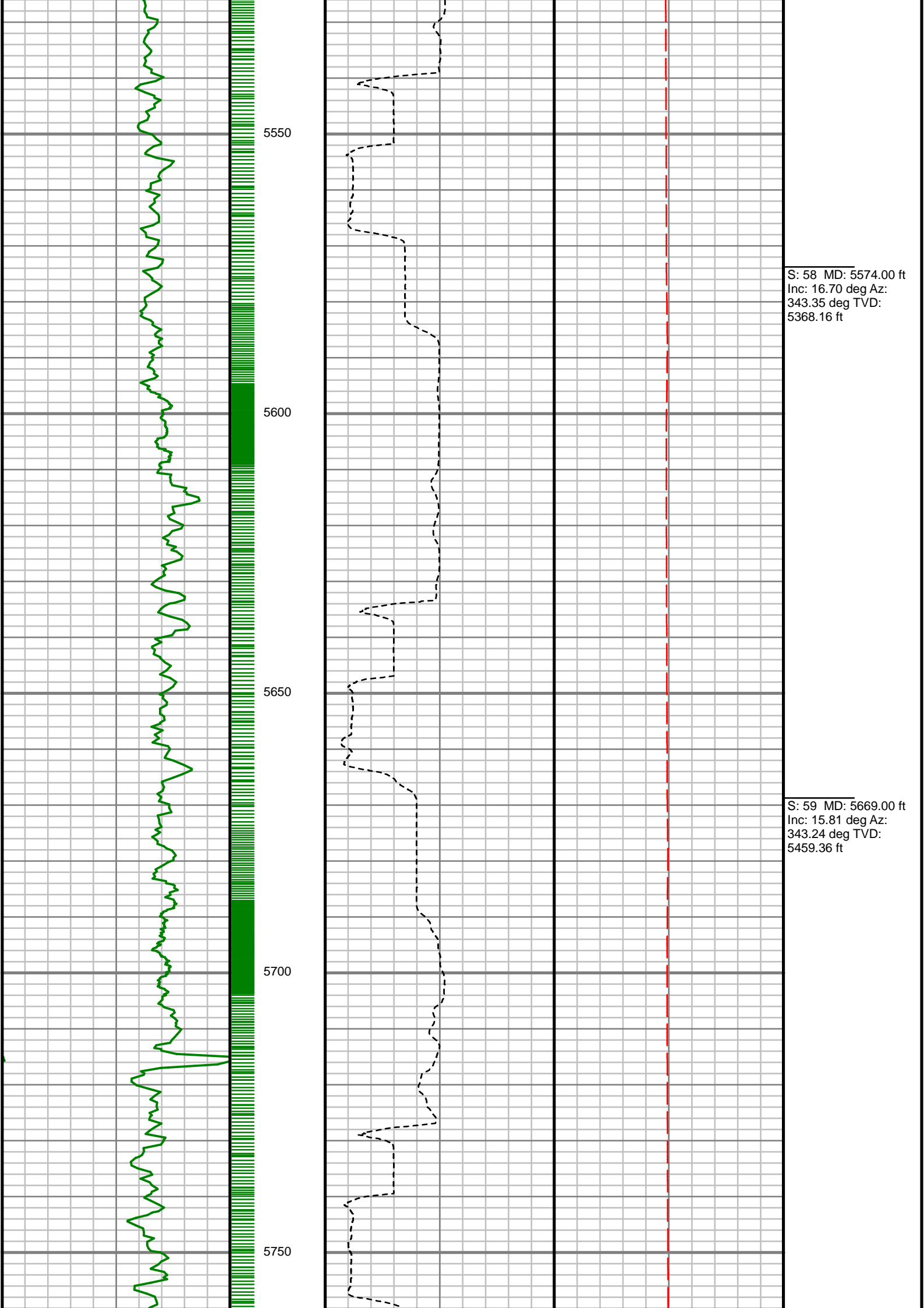


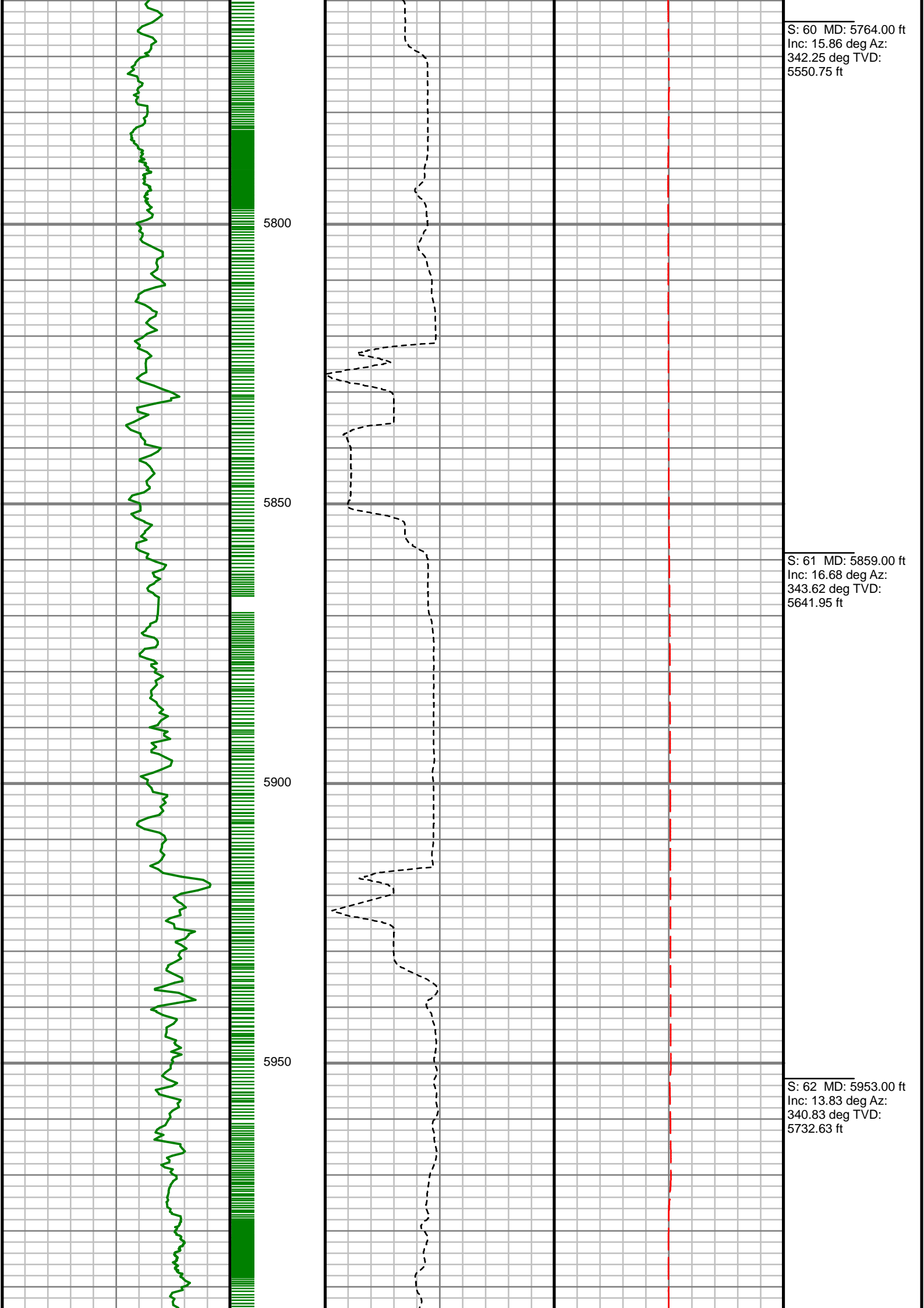
S: 53 MD: 5104.00 ft  
Inc: 16.54 deg Az:  
345.47 deg TVD:  
4917.02 ft

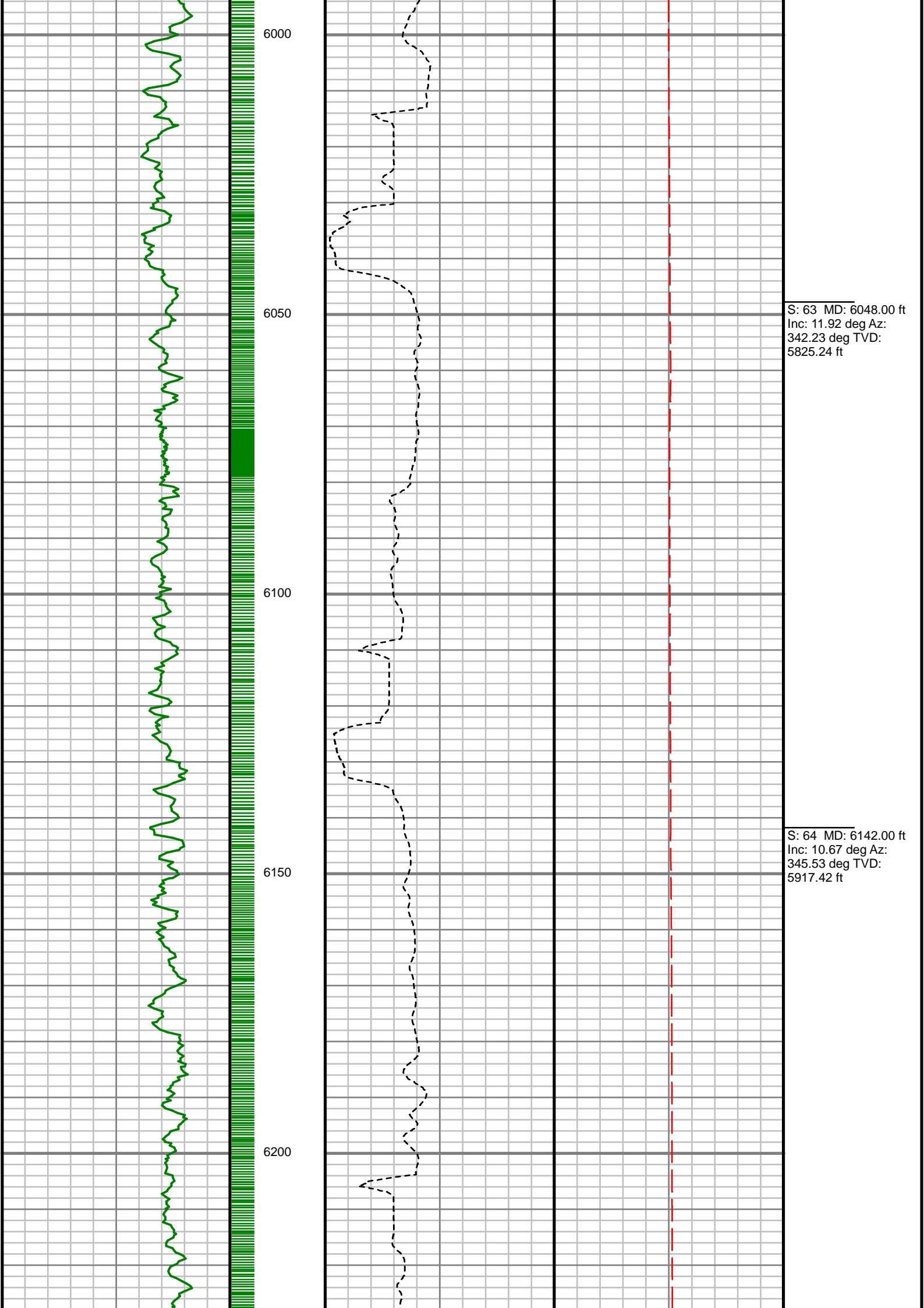
S: 54 MD: 5199.00 ft  
Inc: 15.83 deg Az:  
342.58 deg TVD:  
5008.26 ft

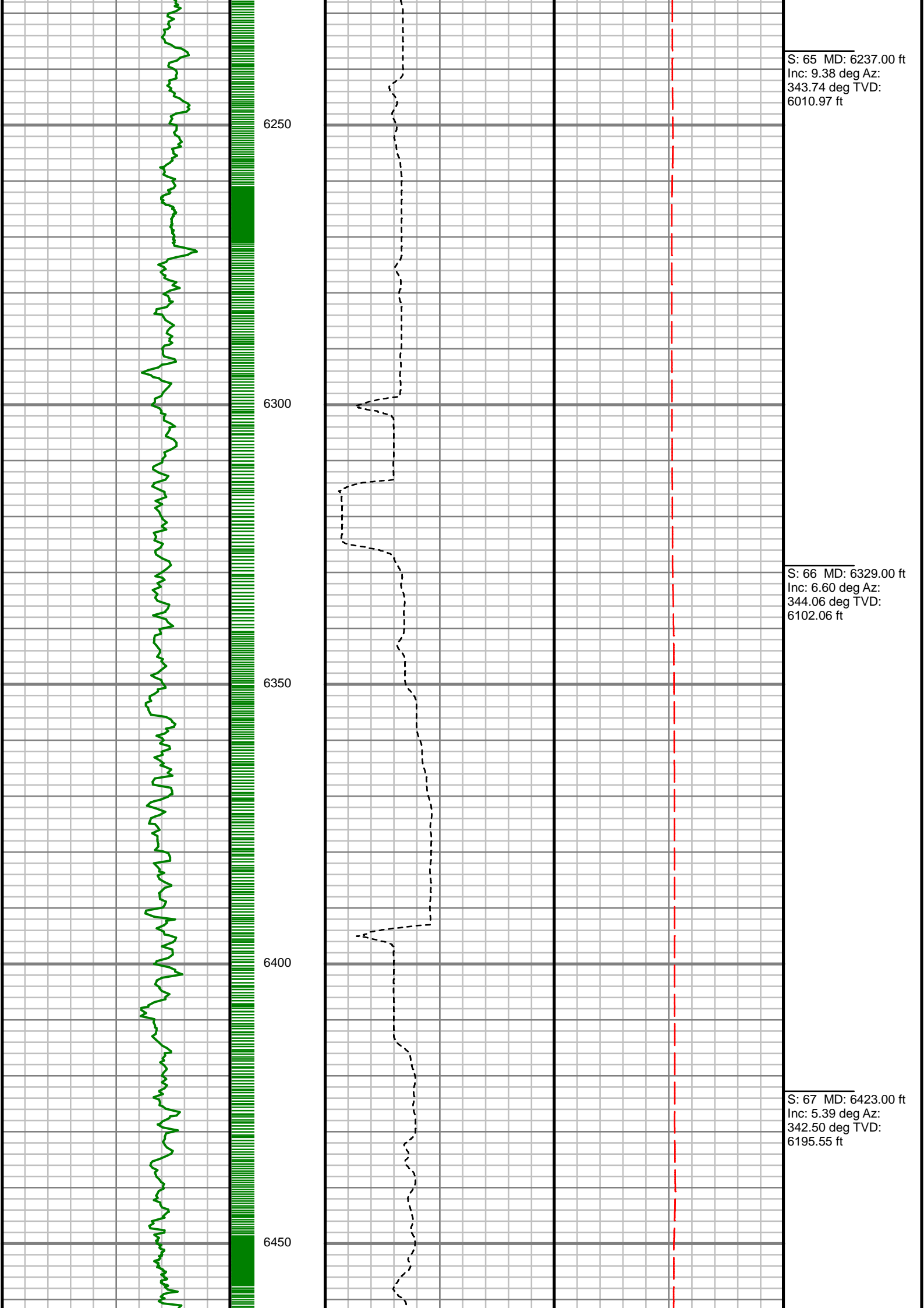


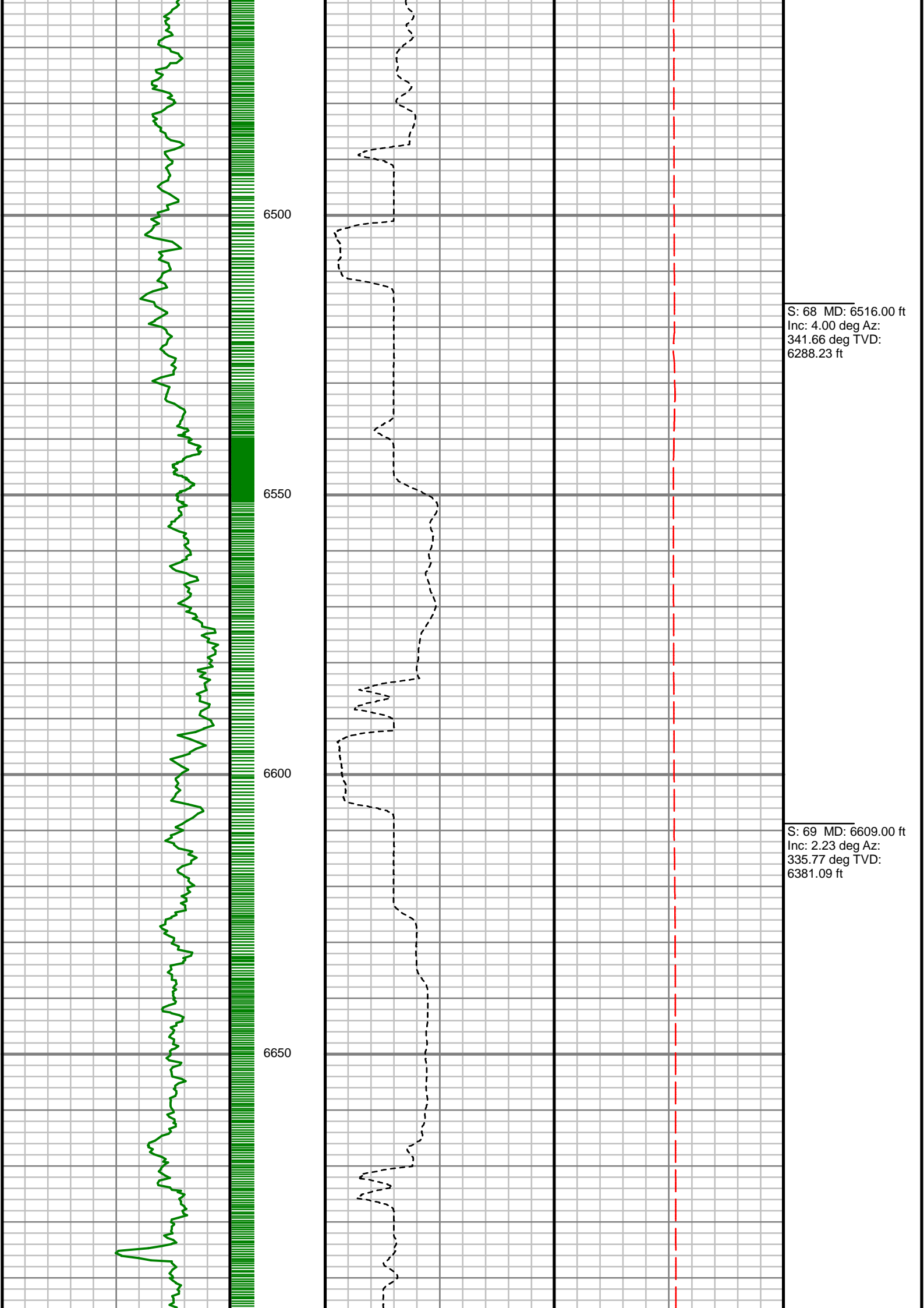






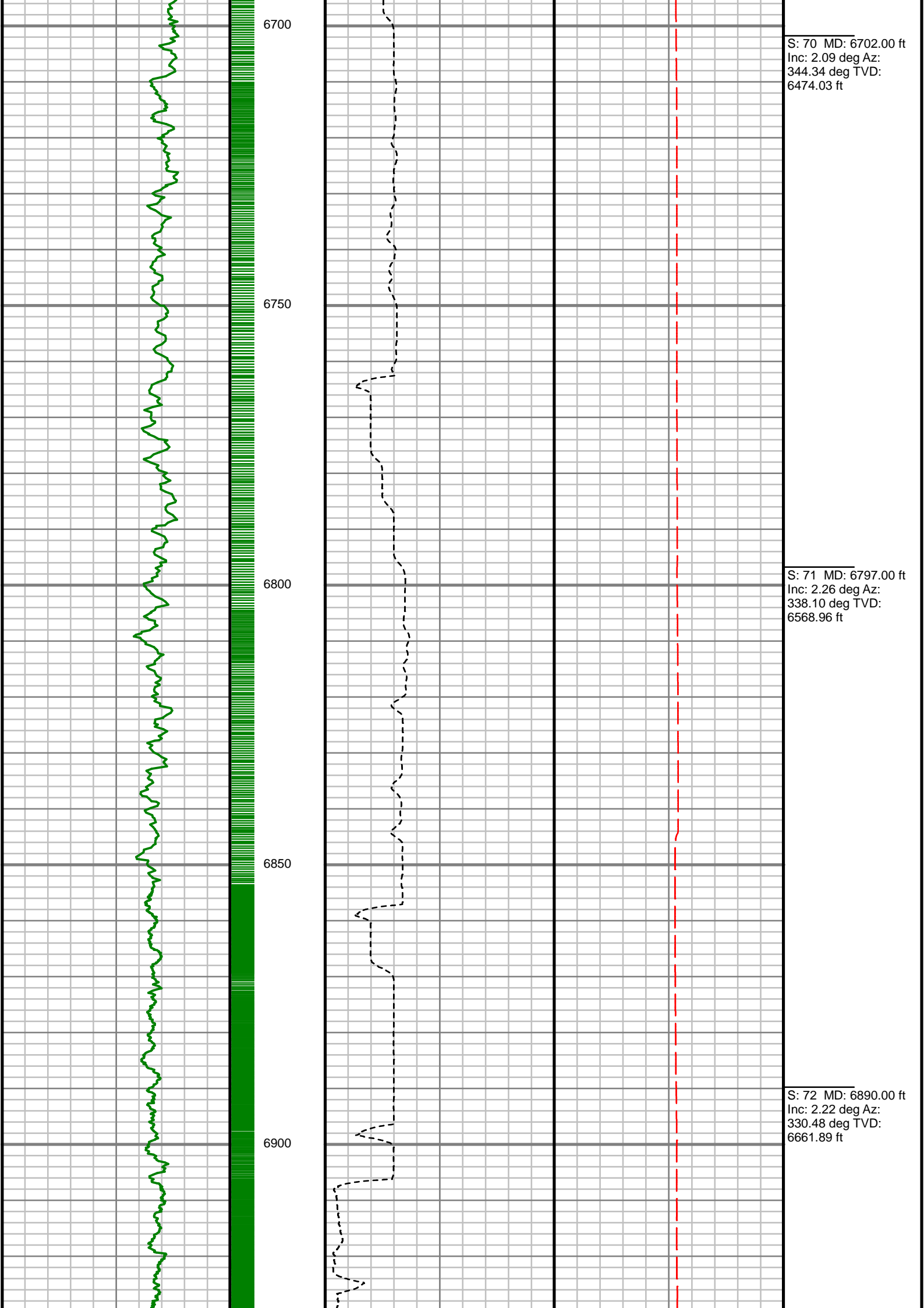


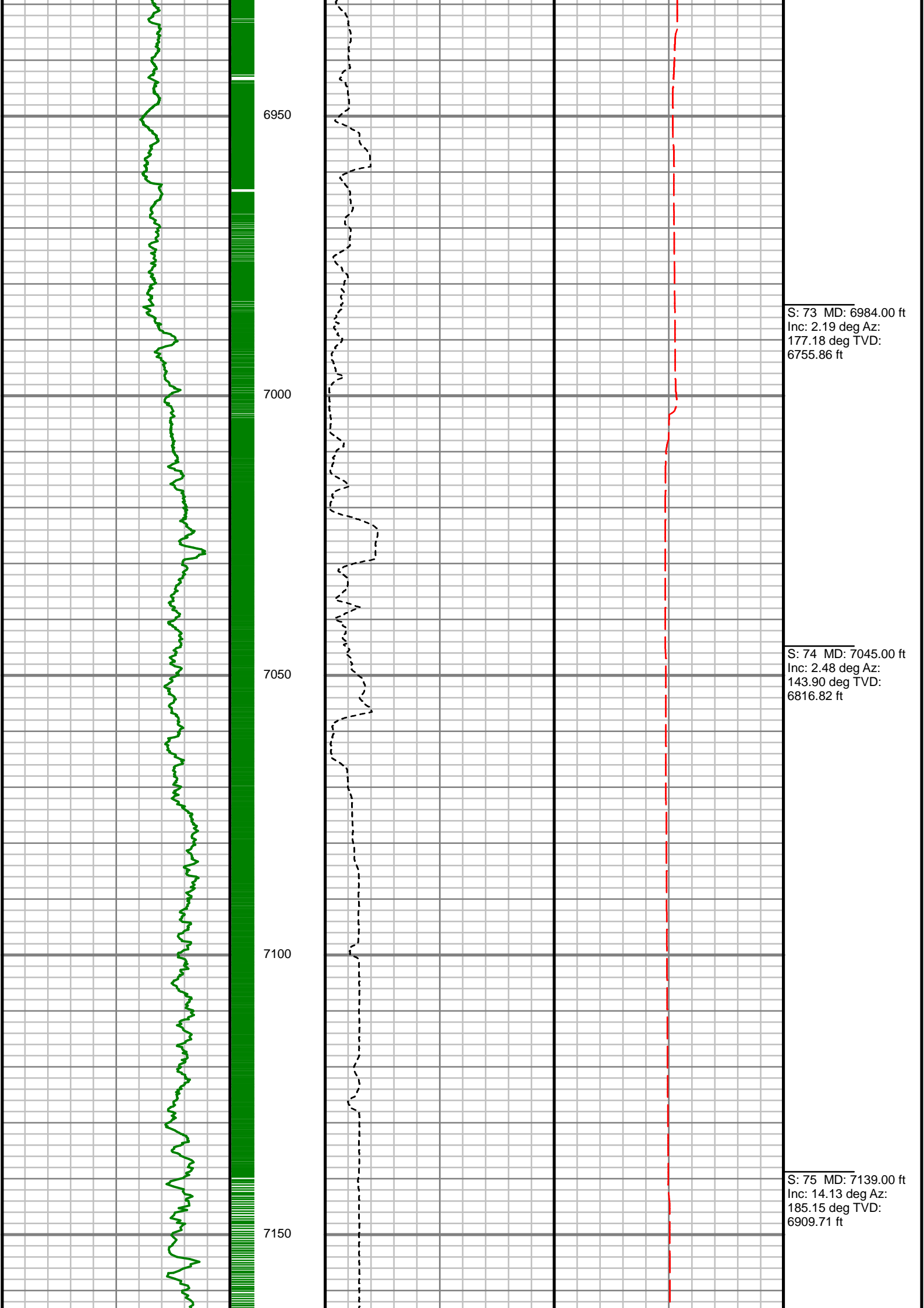




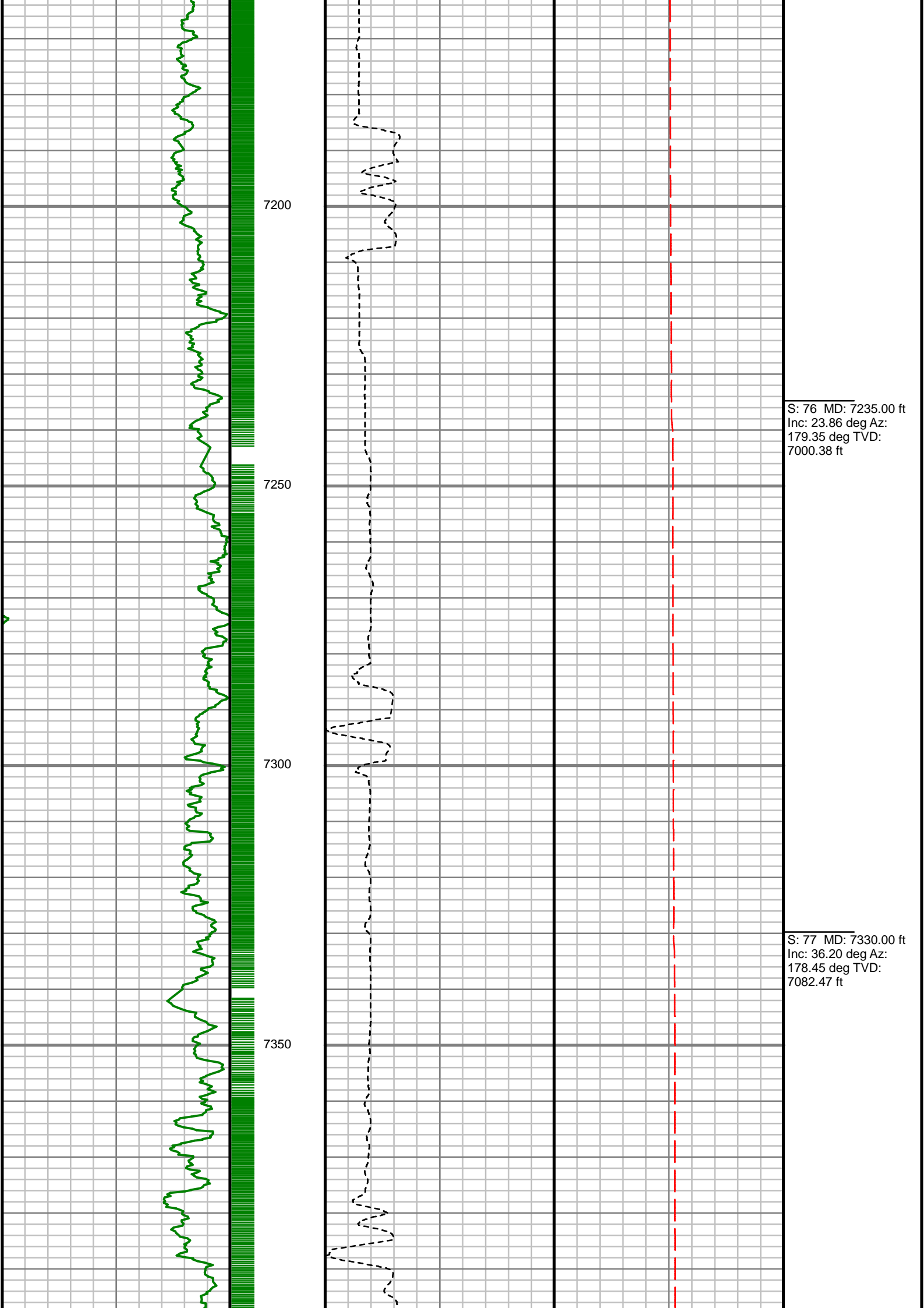
S: 68 MD: 6516.00 ft  
Inc: 4.00 deg Az:  
341.66 deg TVD:  
6288.23 ft

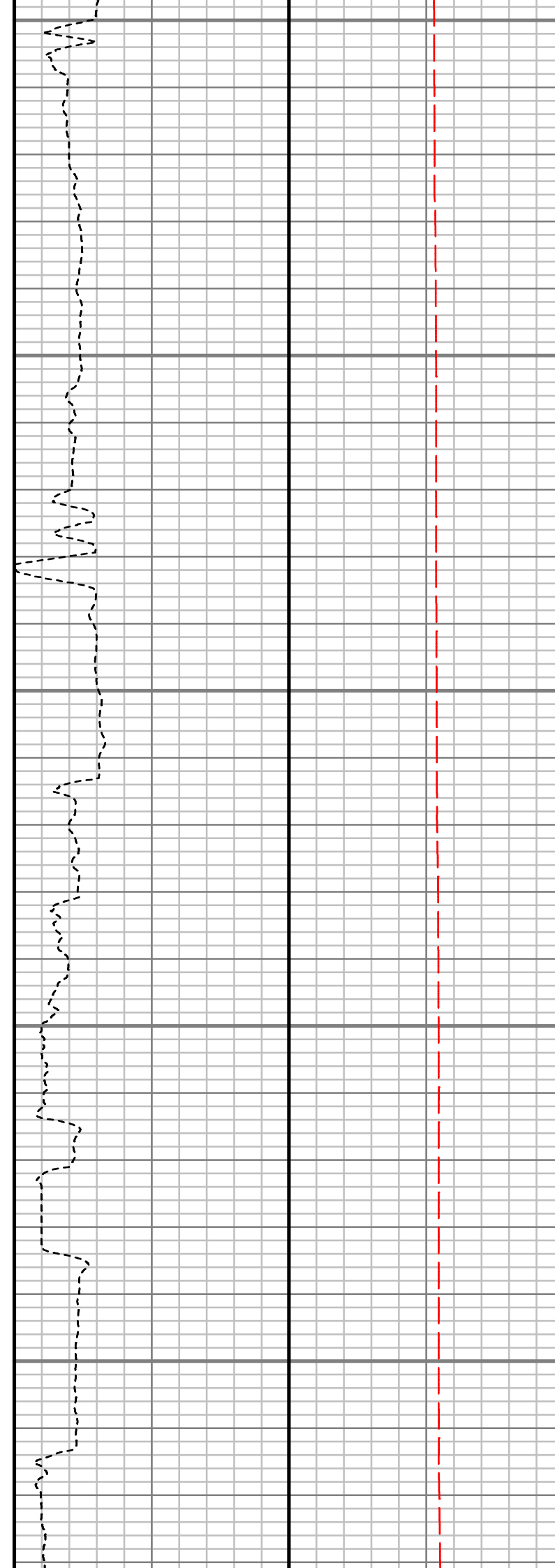
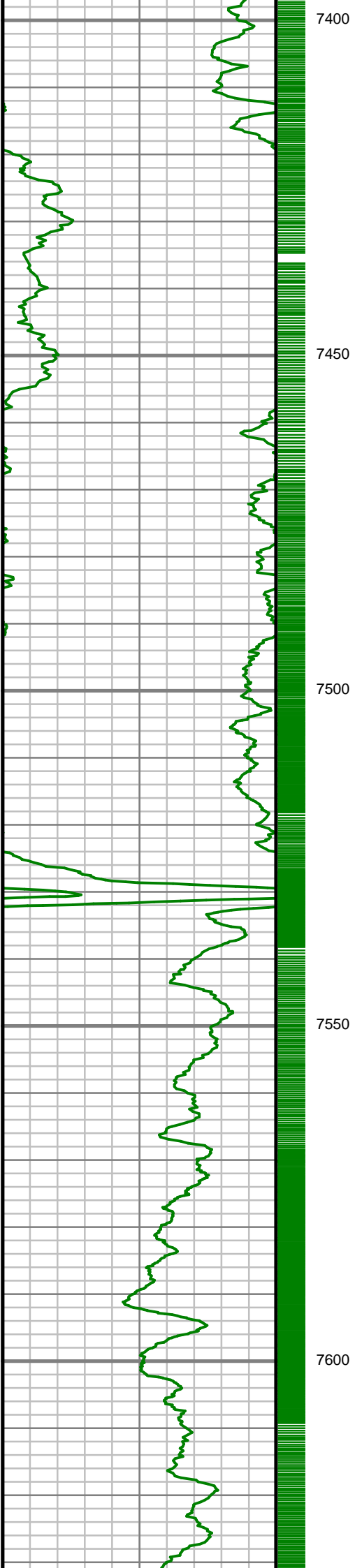
S: 69 MD: 6609.00 ft  
Inc: 2.23 deg Az:  
335.77 deg TVD:  
6381.09 ft







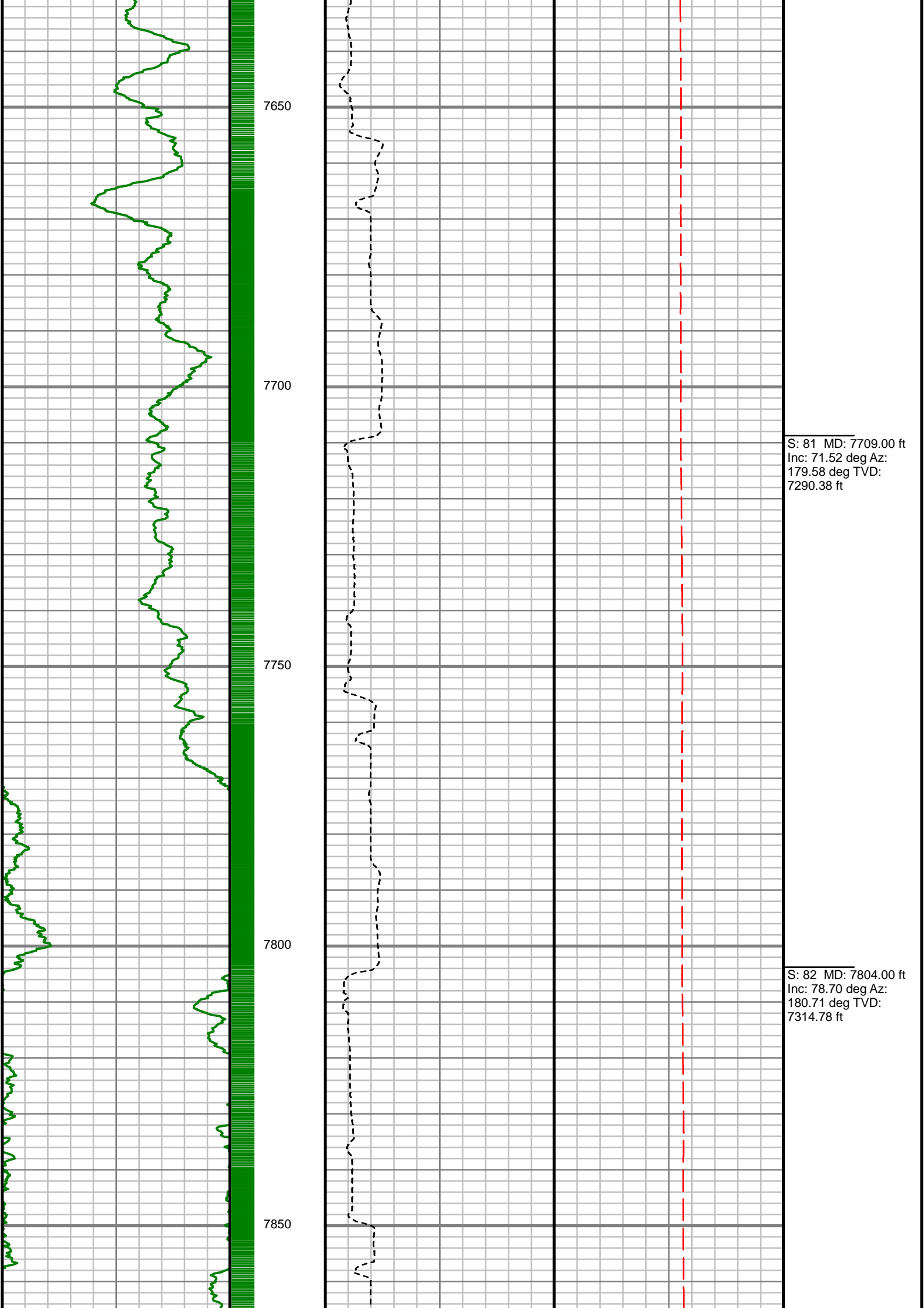


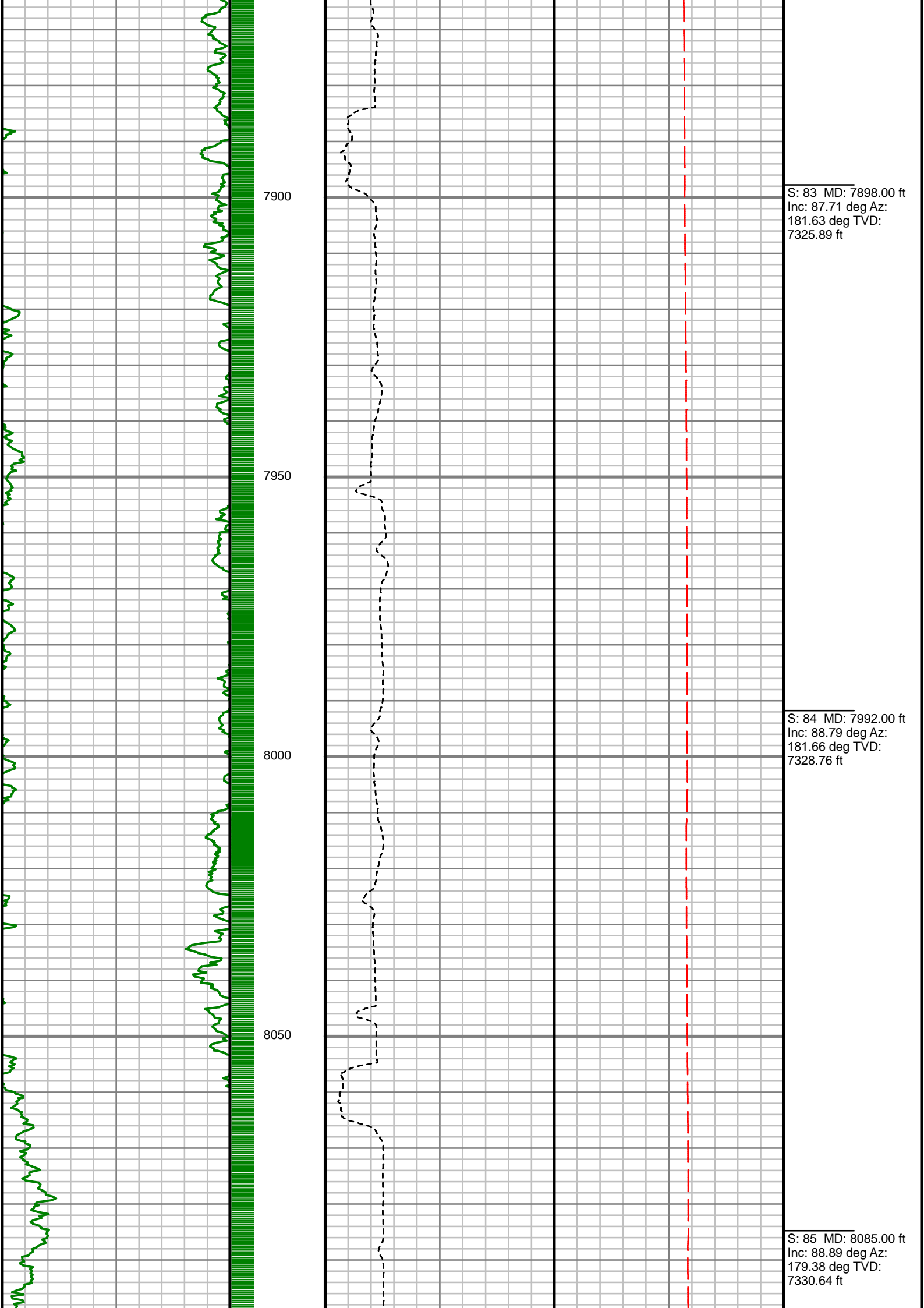


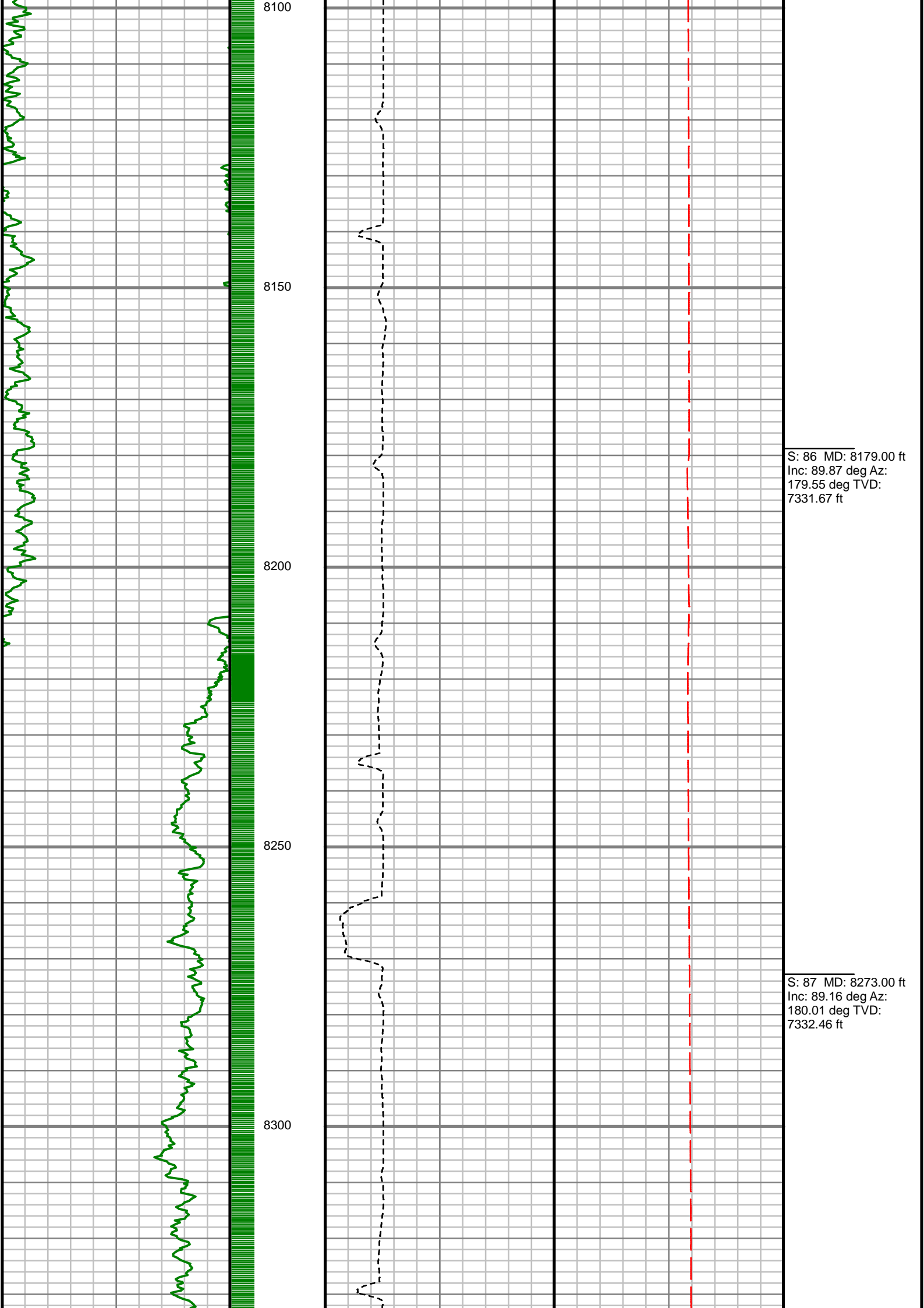
S: 78 MD: 7425.00 ft  
Inc: 47.87 deg Az:  
179.69 deg TVD:  
7152.90 ft

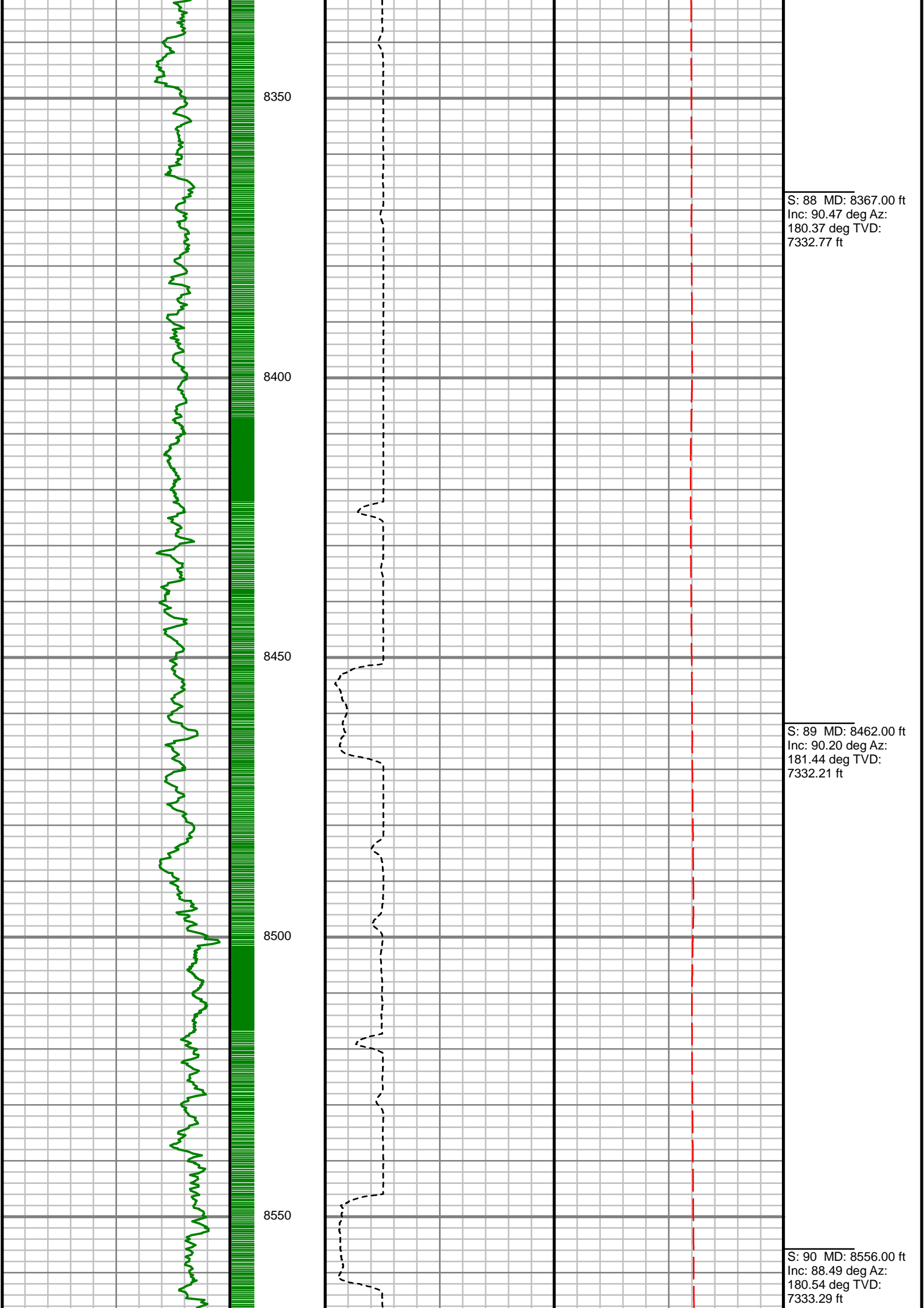
S: 79 MD: 7519.00 ft  
Inc: 57.63 deg Az:  
179.31 deg TVD:  
7209.73 ft

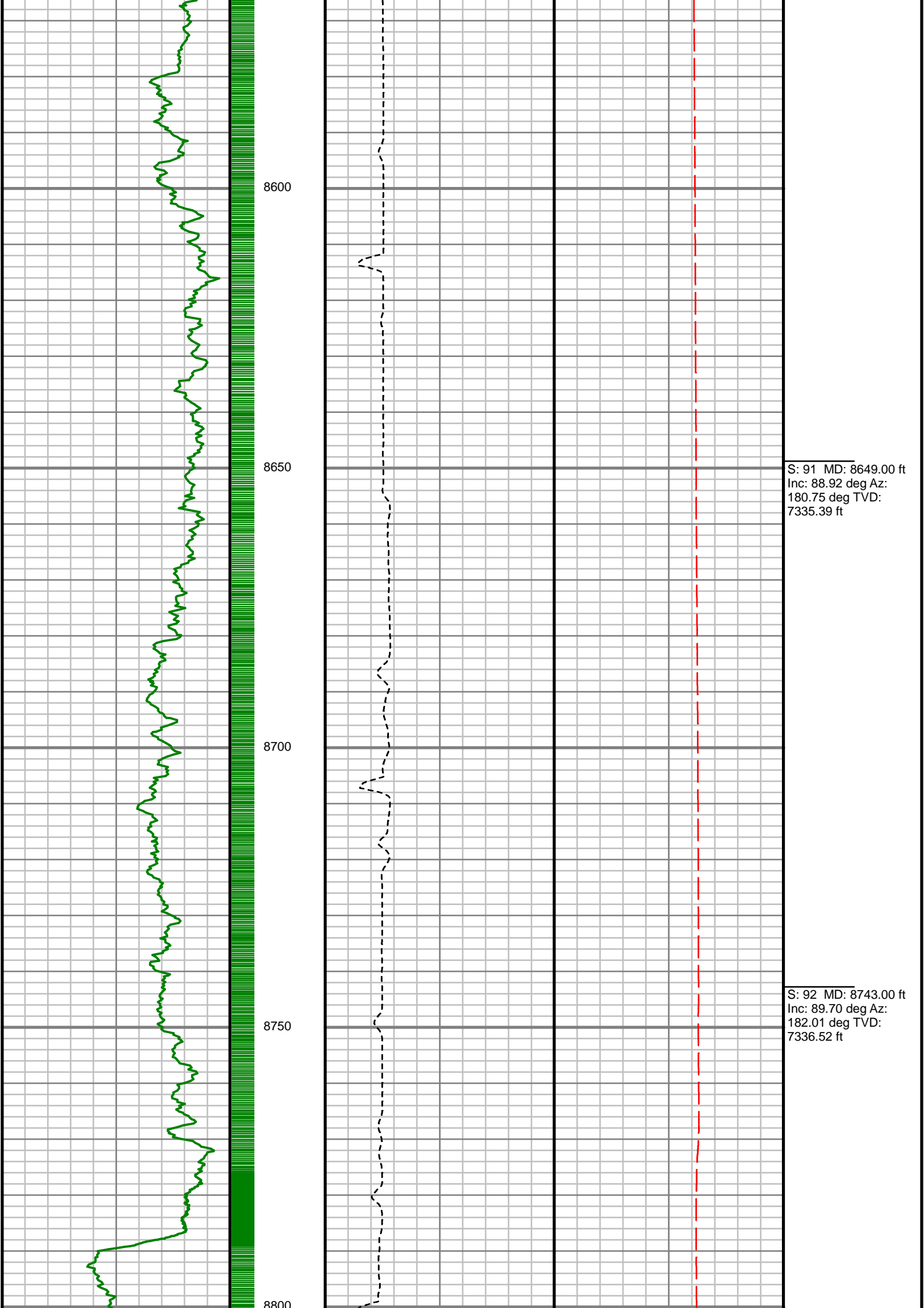
S: 80 MD: 7614.00 ft  
Inc: 65.06 deg Az:  
177.89 deg TVD:  
7255.26 ft





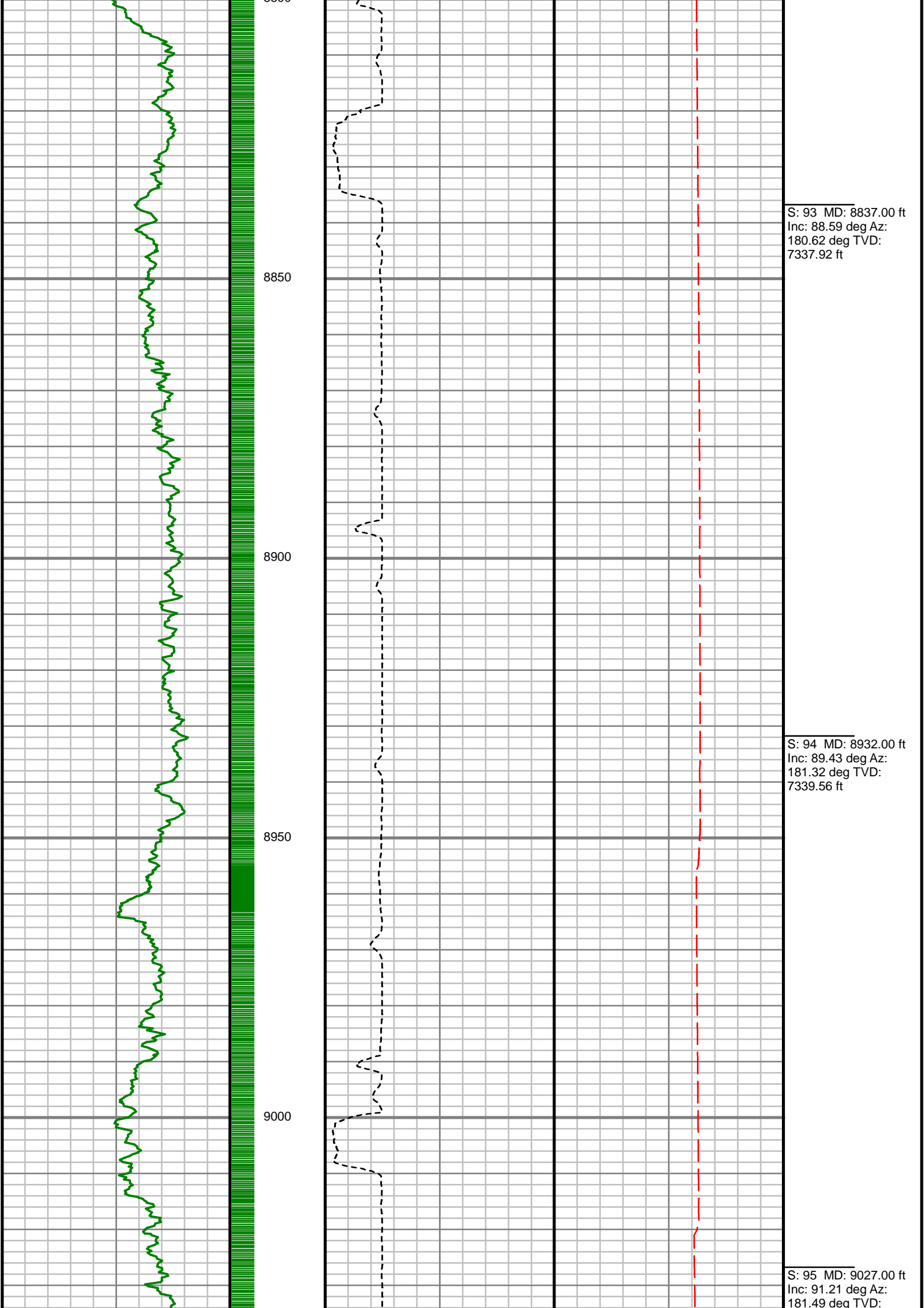






S: 91 MD: 8649.00 ft  
Inc: 88.92 deg Az:  
180.75 deg TVD:  
7335.39 ft

S: 92 MD: 8743.00 ft  
Inc: 89.70 deg Az:  
182.01 deg TVD:  
7336.52 ft

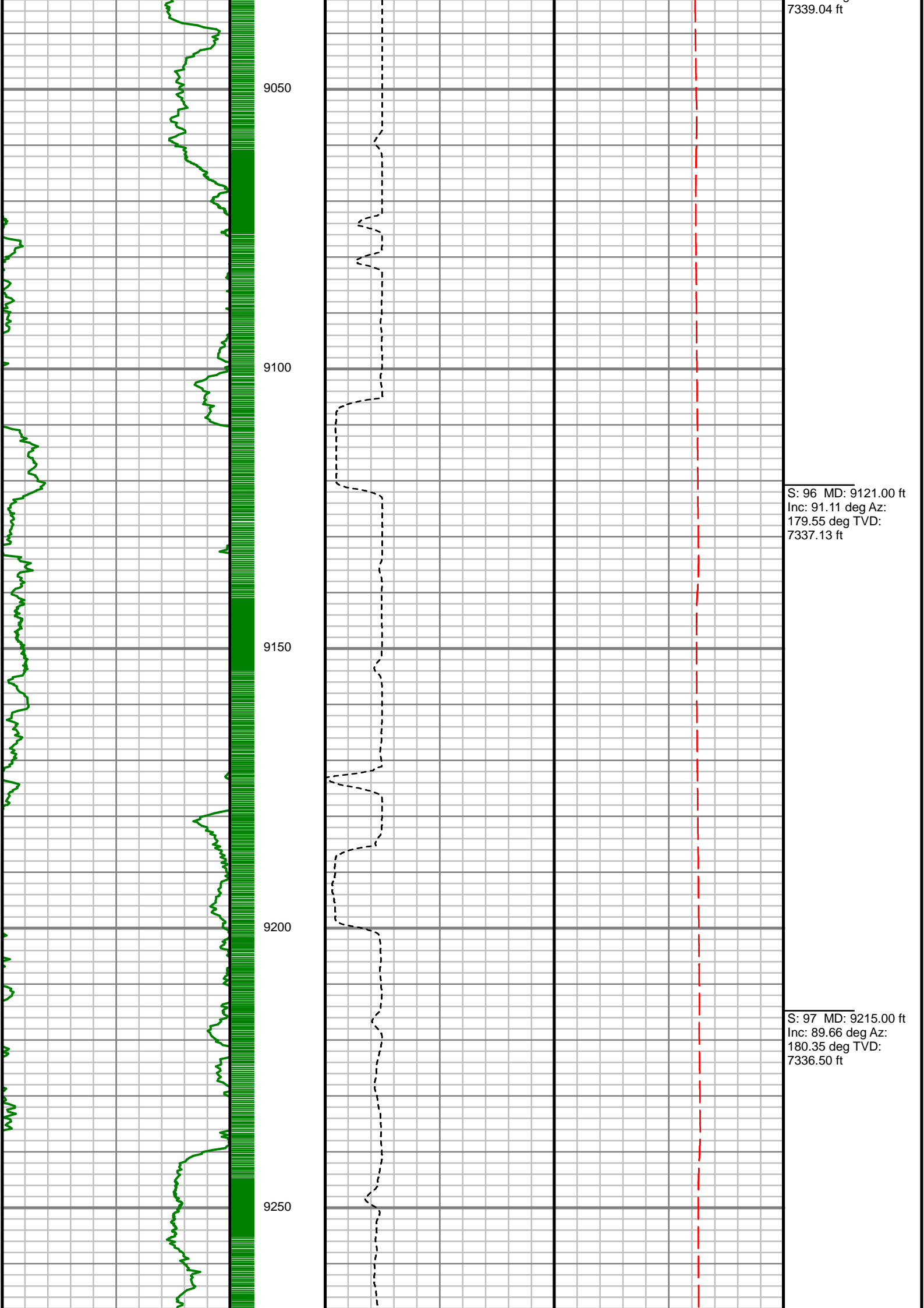


S: 93 MD: 8837.00 ft  
Inc: 88.59 deg Az:  
180.62 deg TVD:  
7337.92 ft

S: 94 MD: 8932.00 ft  
Inc: 89.43 deg Az:  
181.32 deg TVD:  
7339.56 ft

S: 95 MD: 9027.00 ft  
Inc: 91.21 deg Az:  
181.49 deg TVD:





7339.04 ft

9050

9100

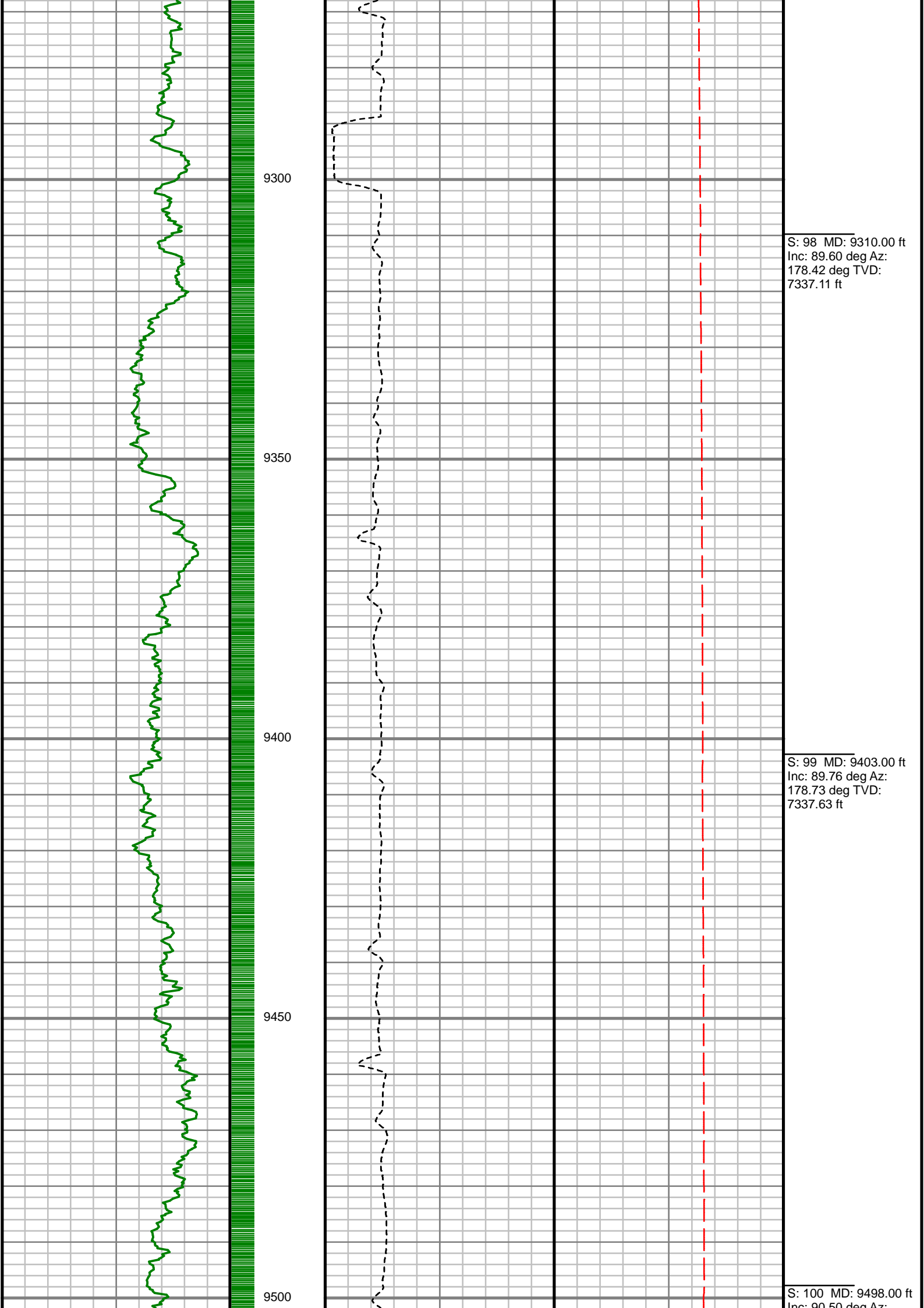
9150

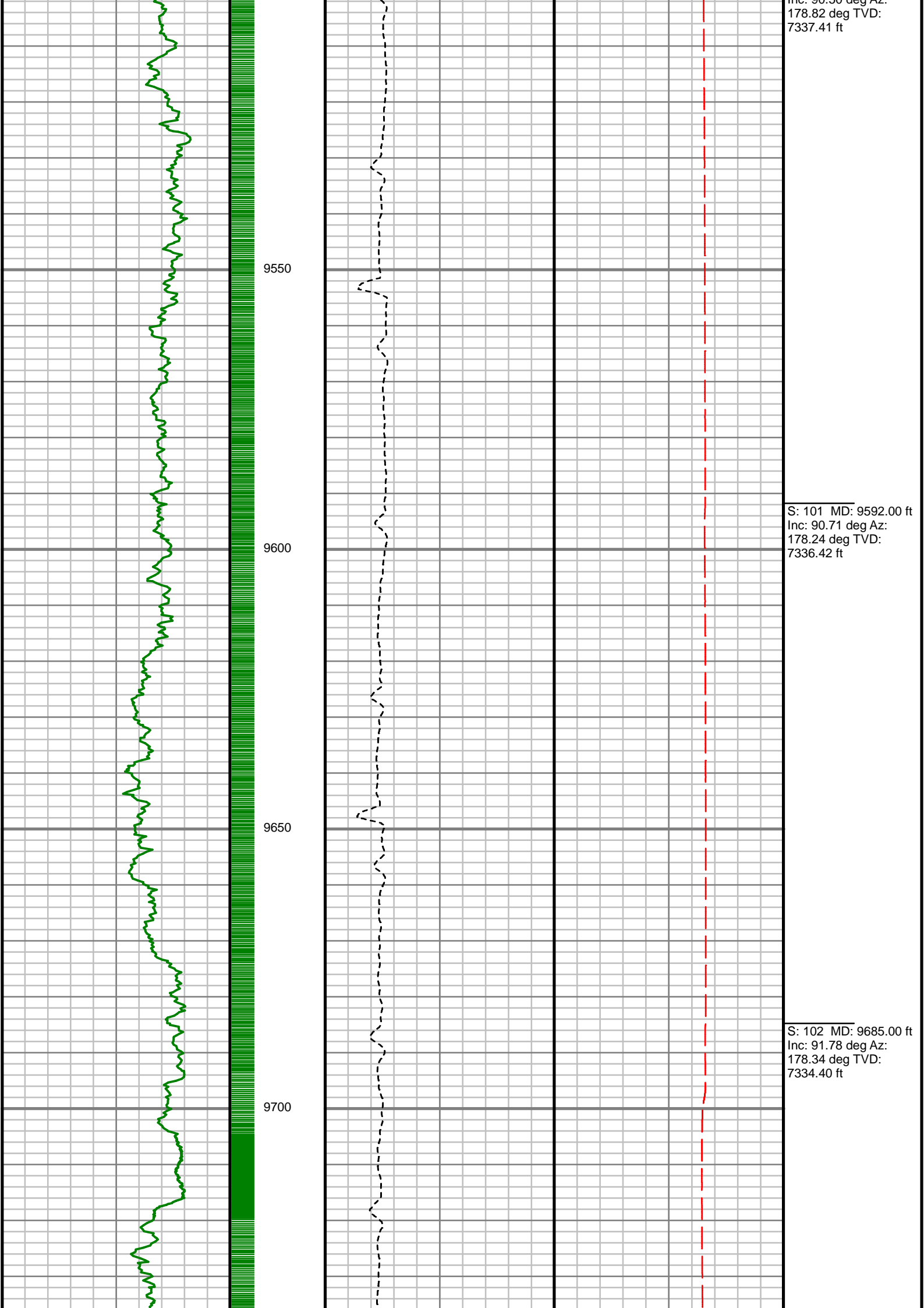
9200

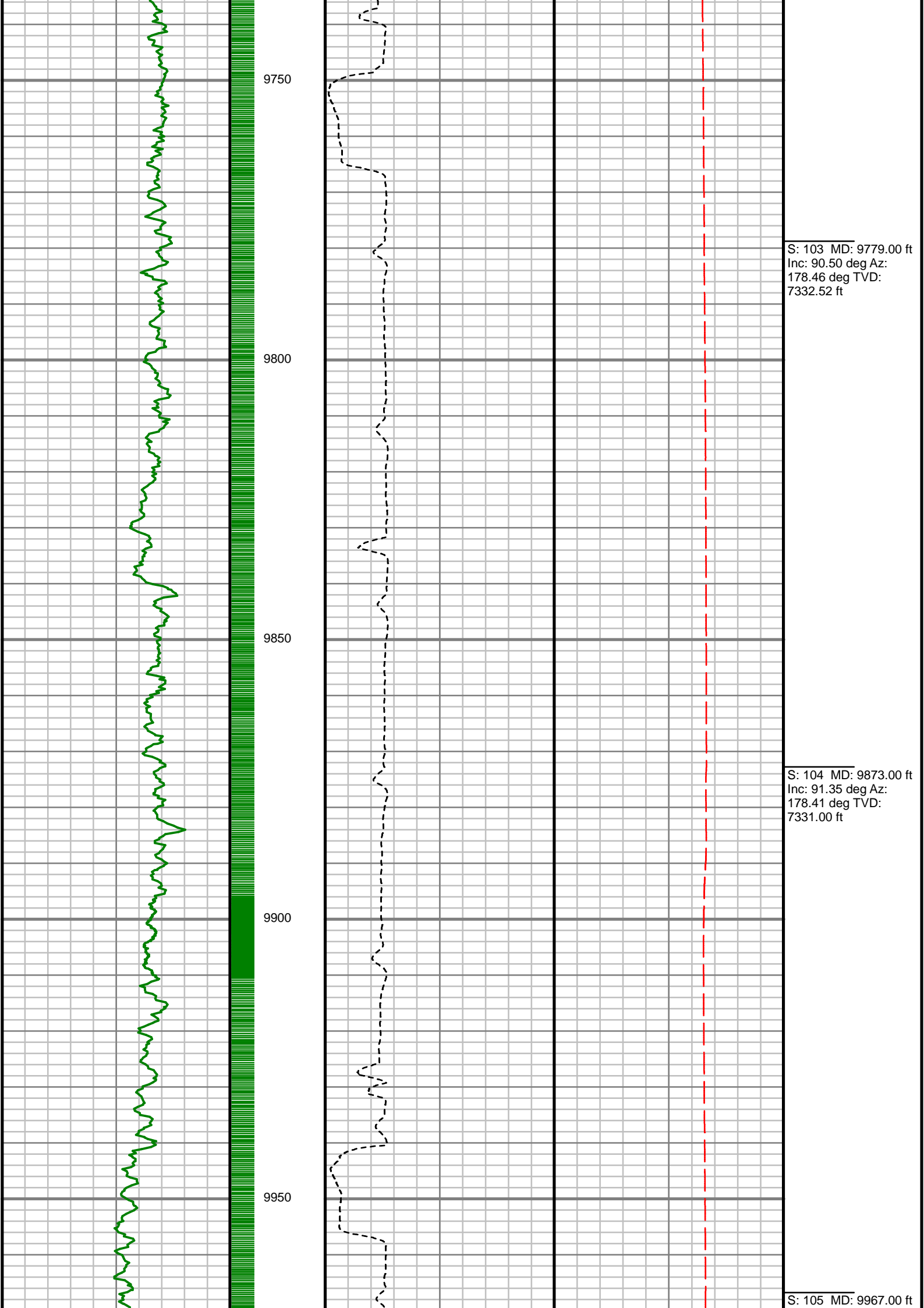
9250

S: 96 MD: 9121.00 ft  
Inc: 91.11 deg Az:  
179.55 deg TVD:  
7337.13 ft

S: 97 MD: 9215.00 ft  
Inc: 89.66 deg Az:  
180.35 deg TVD:  
7336.50 ft



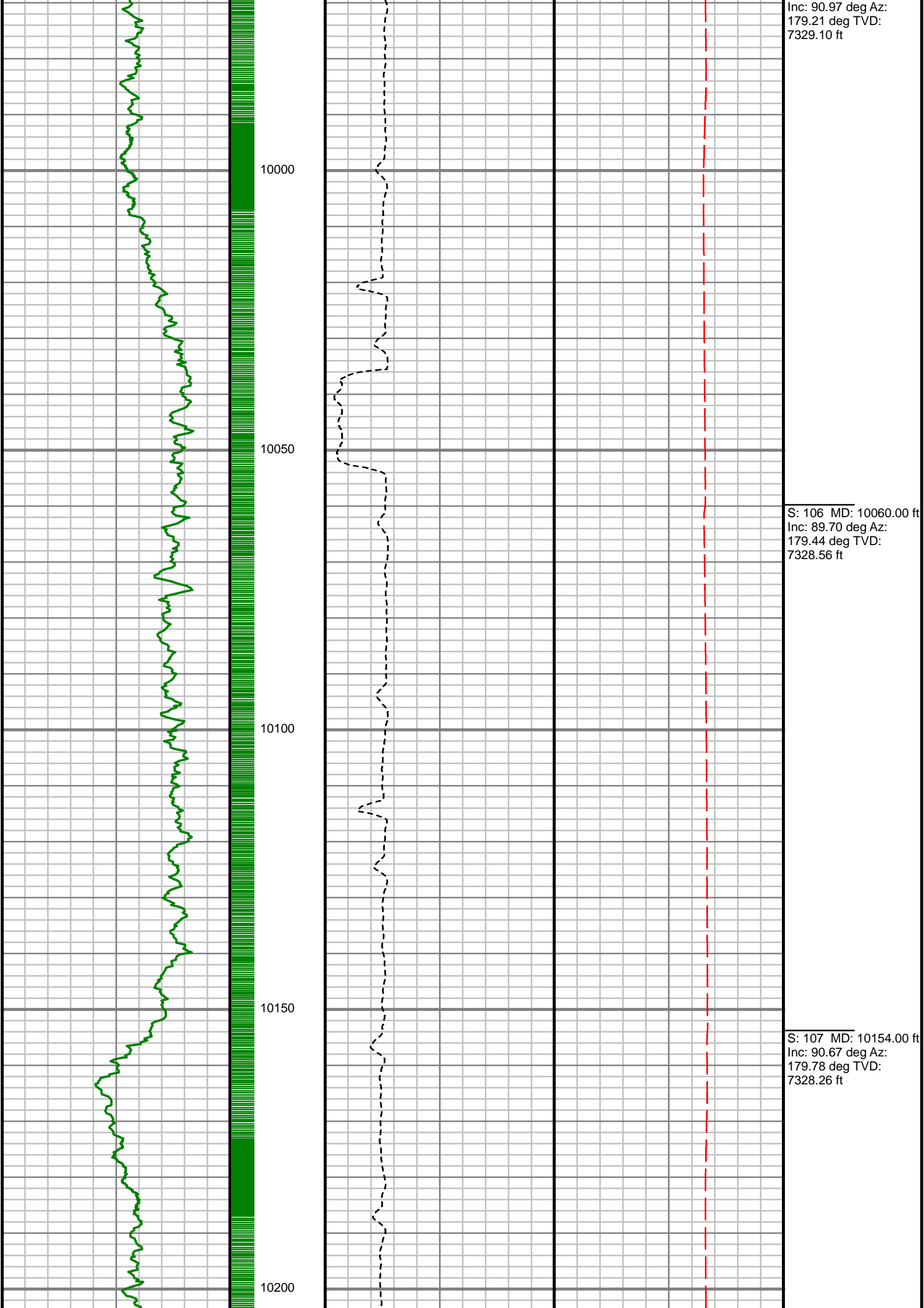




S: 103 MD: 9779.00 ft  
Inc: 90.50 deg Az:  
178.46 deg TVD:  
7332.52 ft

S: 104 MD: 9873.00 ft  
Inc: 91.35 deg Az:  
178.41 deg TVD:  
7331.00 ft

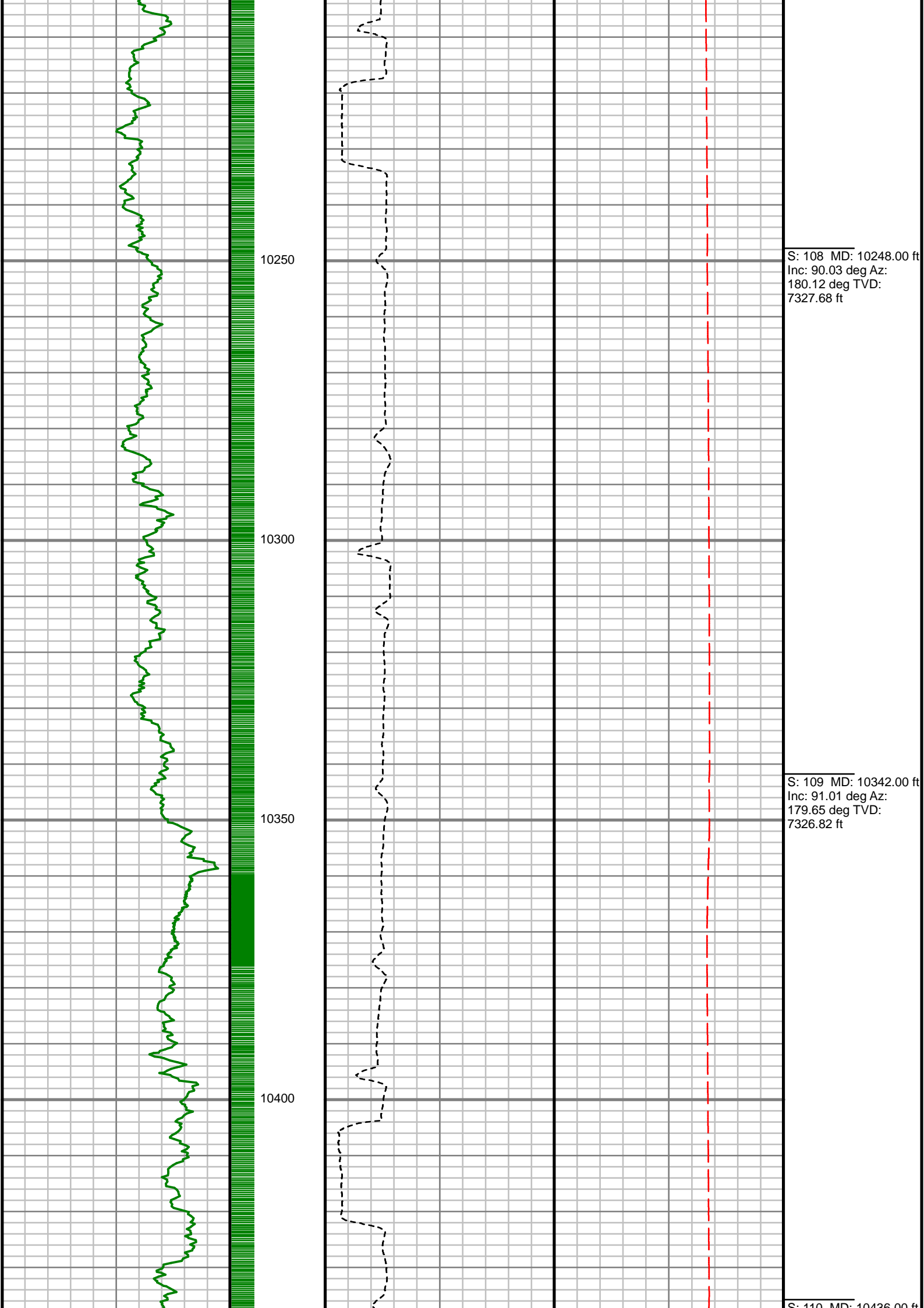
S: 105 MD: 9967.00 ft

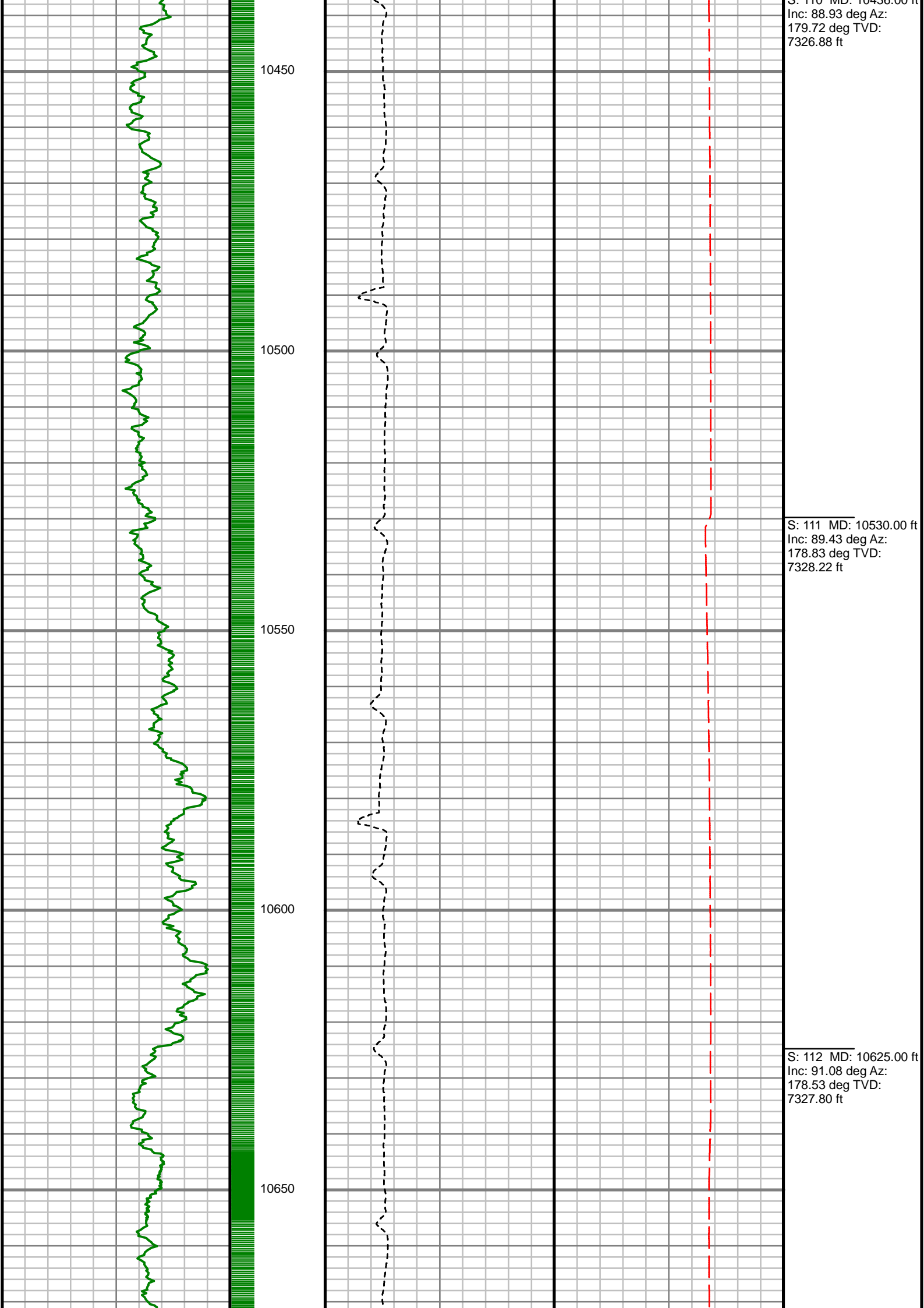


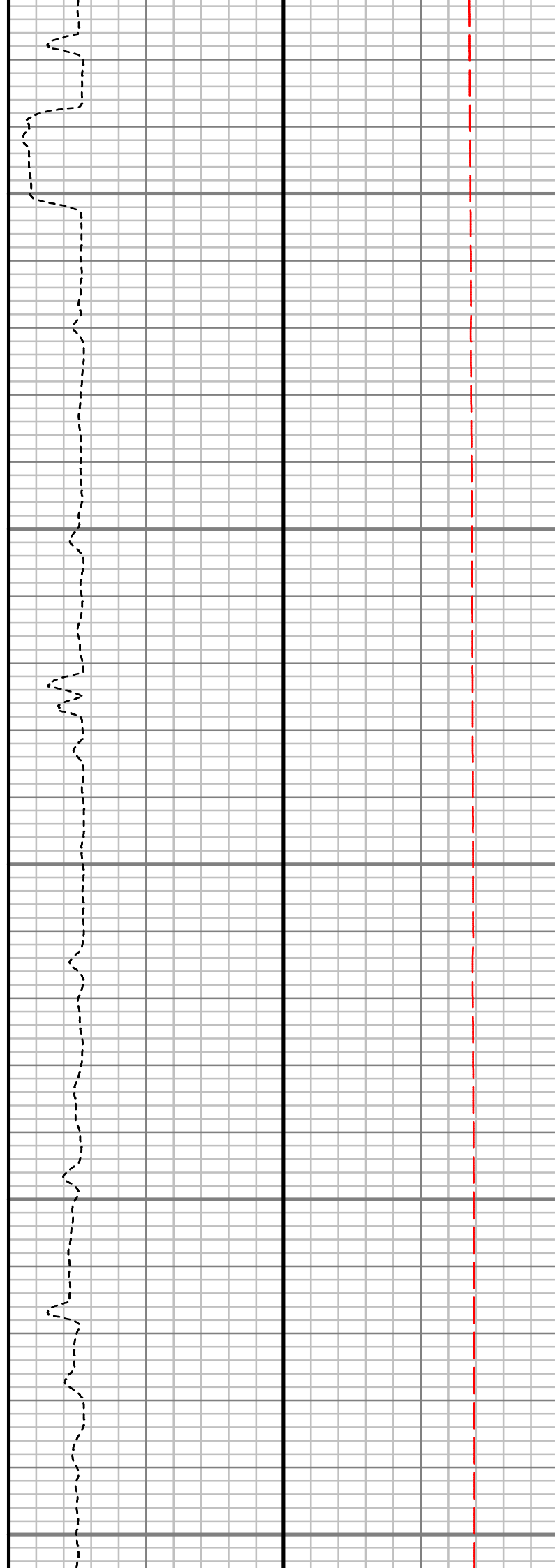
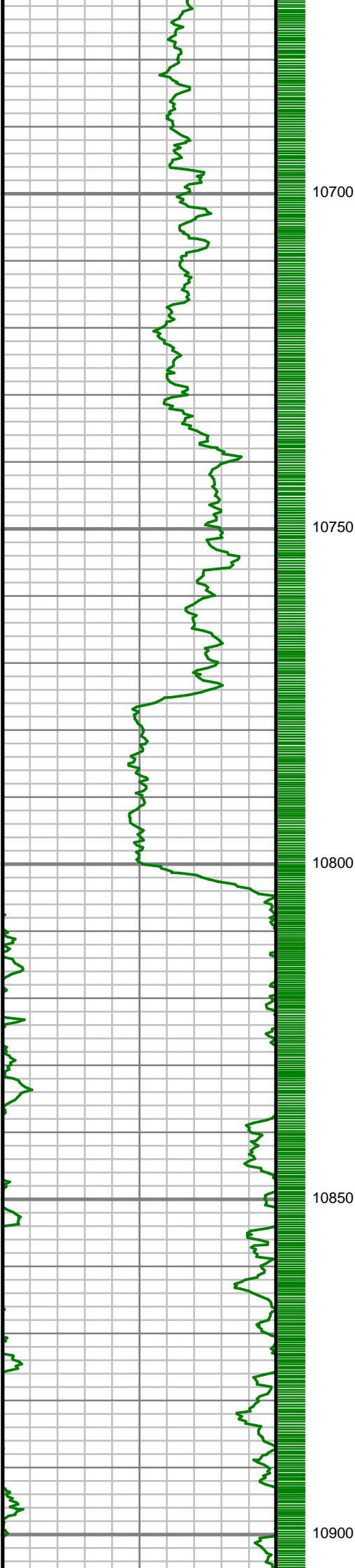
Inc: 90.97 deg Az:  
179.21 deg TVD:  
7329.10 ft

S: 106 MD: 10060.00 ft  
Inc: 89.70 deg Az:  
179.44 deg TVD:  
7328.56 ft

S: 107 MD: 10154.00 ft  
Inc: 90.67 deg Az:  
179.78 deg TVD:  
7328.26 ft



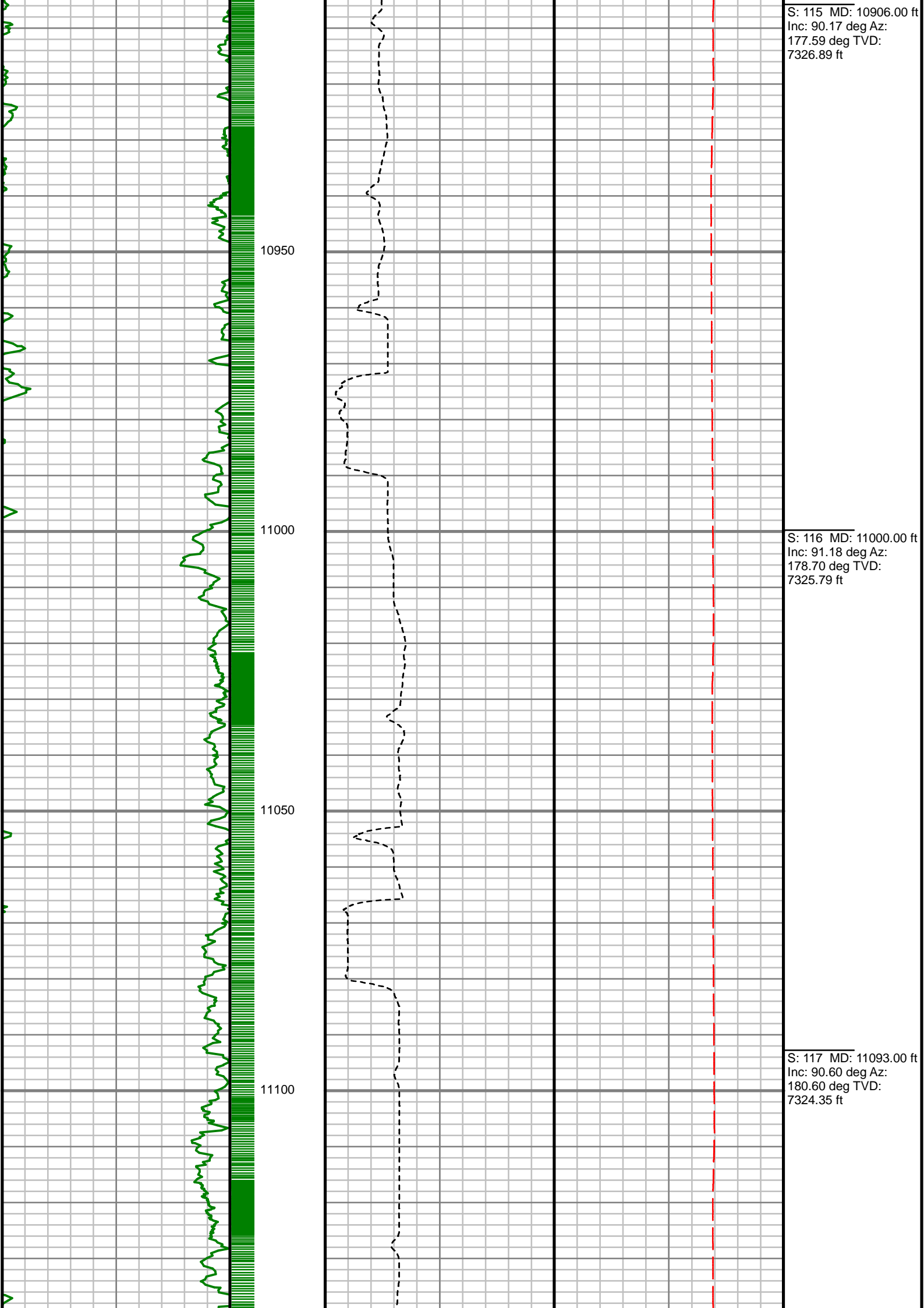


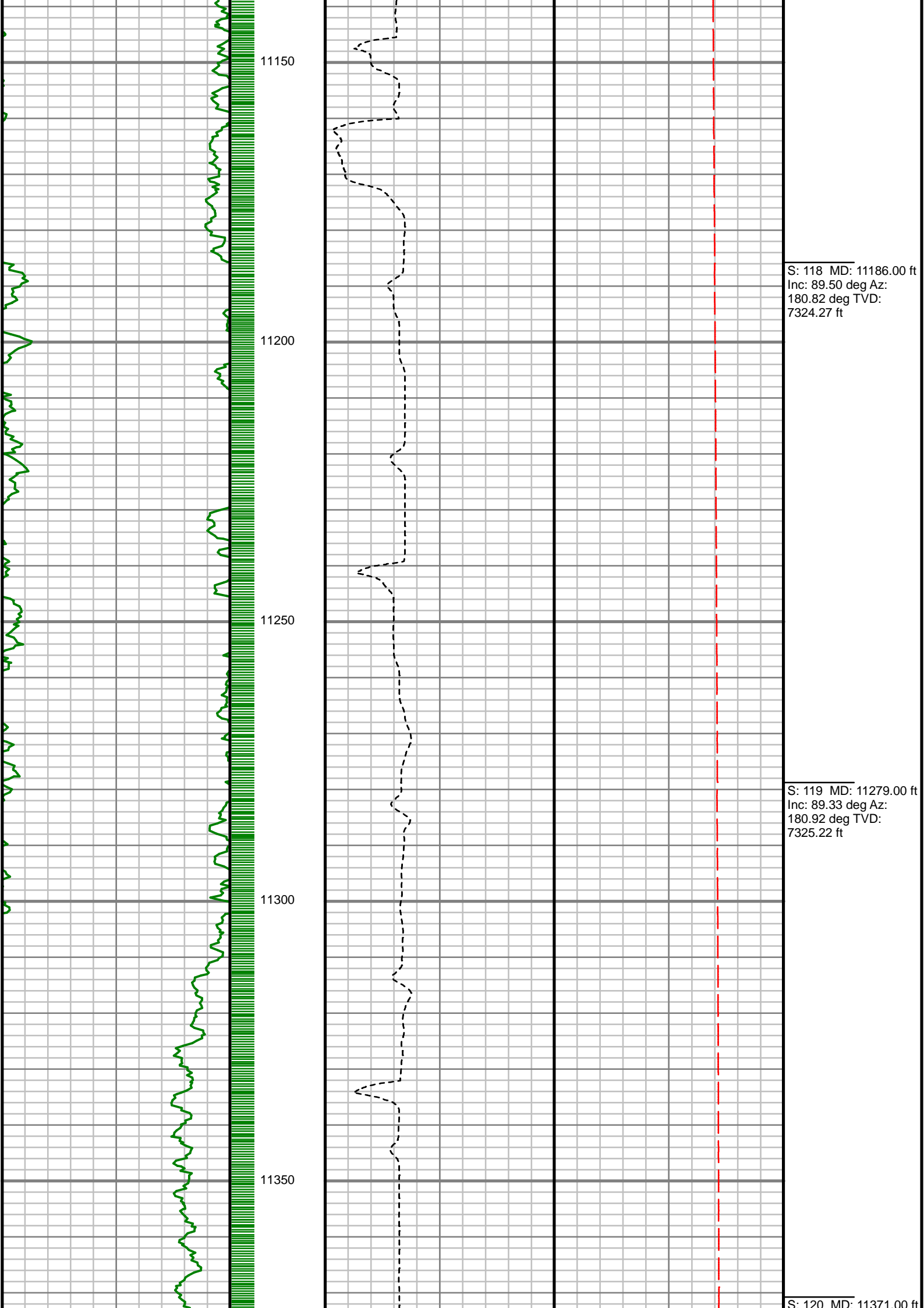


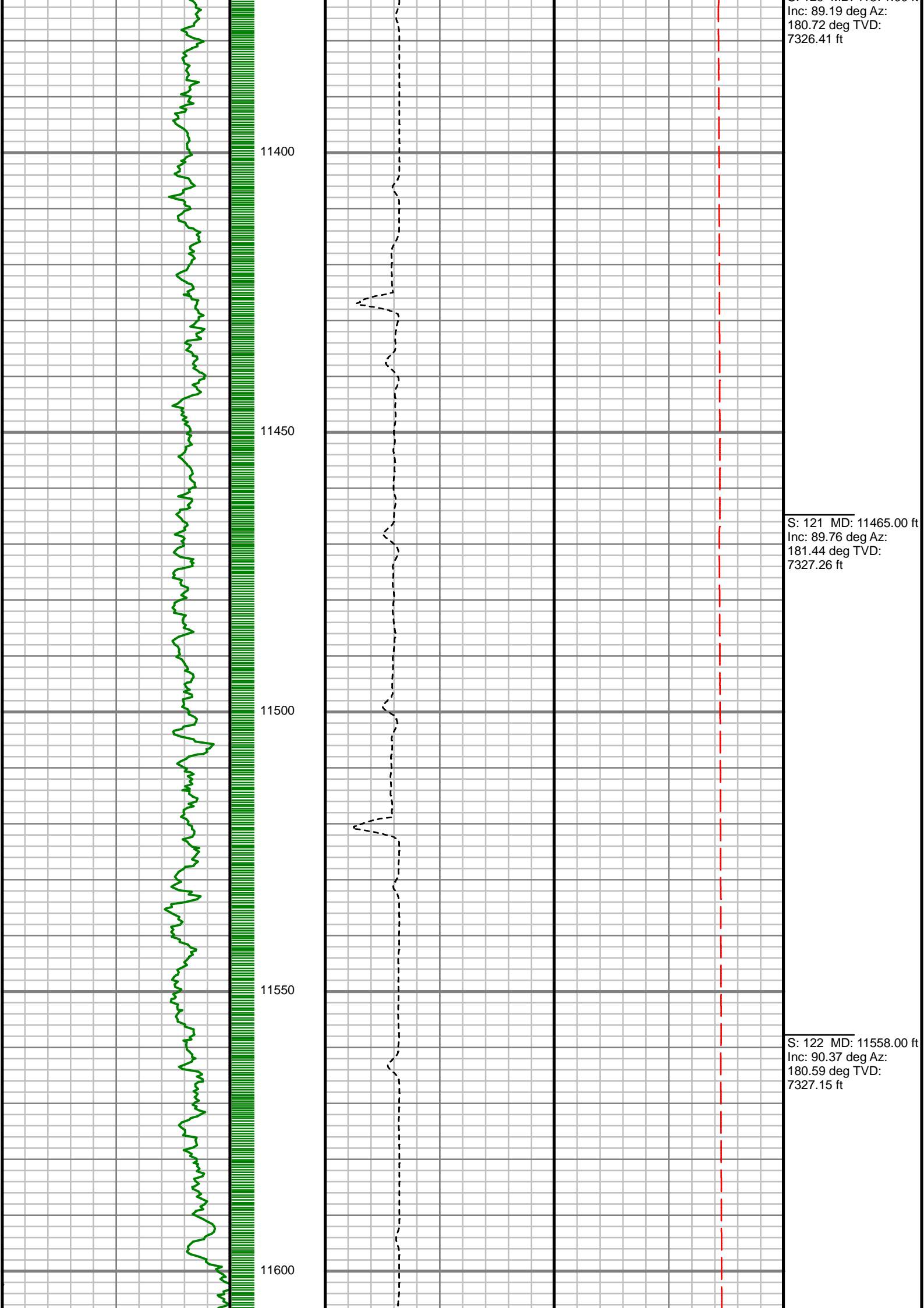
S: 113 MD: 10719.00 ft  
Inc: 90.00 deg Az:  
178.44 deg TVD:  
7326.92 ft

S: 114 MD: 10813.00 ft  
Inc: 89.93 deg Az:  
178.62 deg TVD:  
7326.98 ft







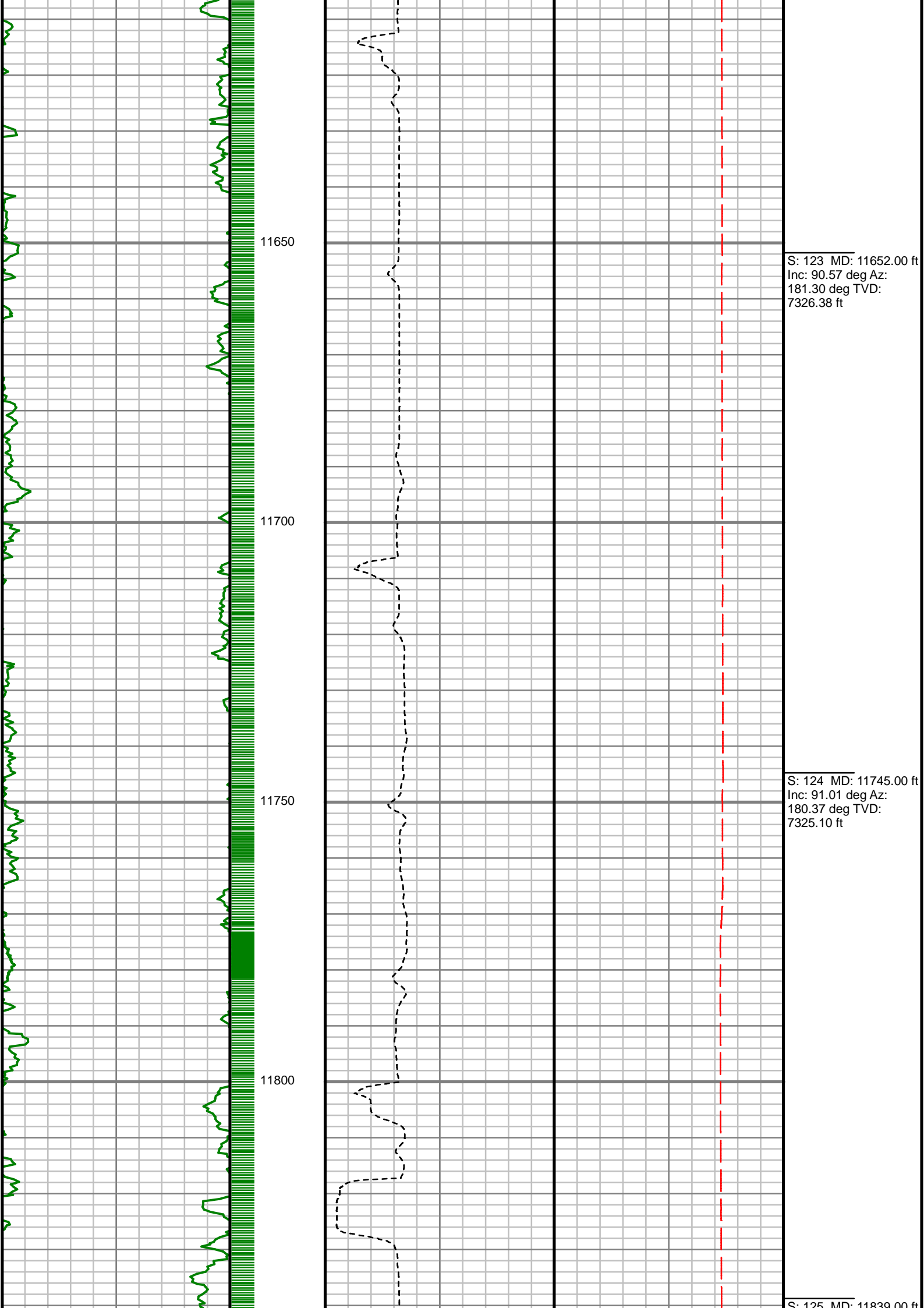


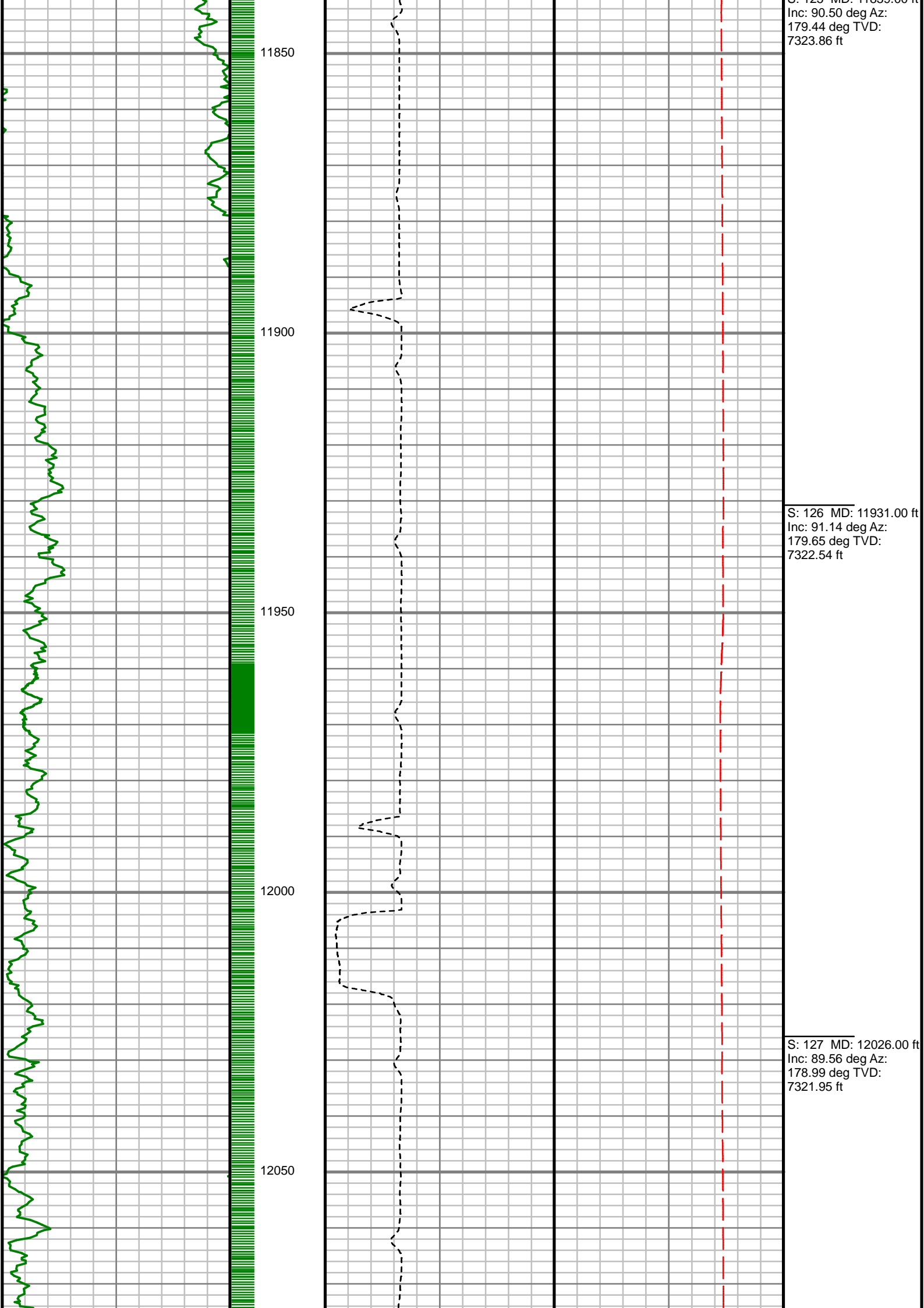
Inc: 89.19 deg Az:  
180.72 deg TVD:  
7326.41 ft

S: 121 MD: 11465.00 ft  
Inc: 89.76 deg Az:  
181.44 deg TVD:  
7327.26 ft

S: 122 MD: 11558.00 ft  
Inc: 90.37 deg Az:  
180.59 deg TVD:  
7327.15 ft

S: 123 MD: 11600.00 ft  
Inc: 90.37 deg Az:  
180.59 deg TVD:  
7327.15 ft

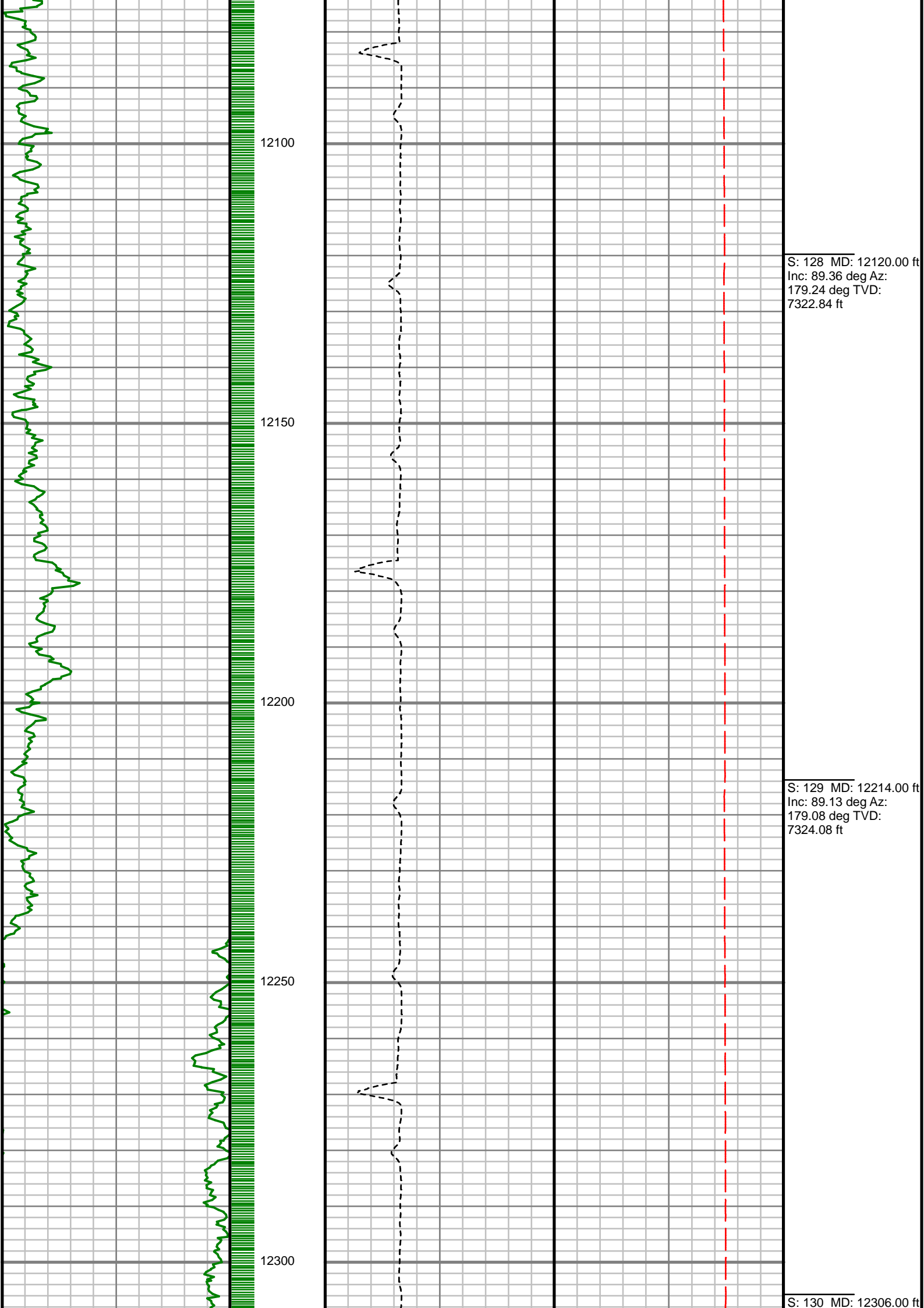


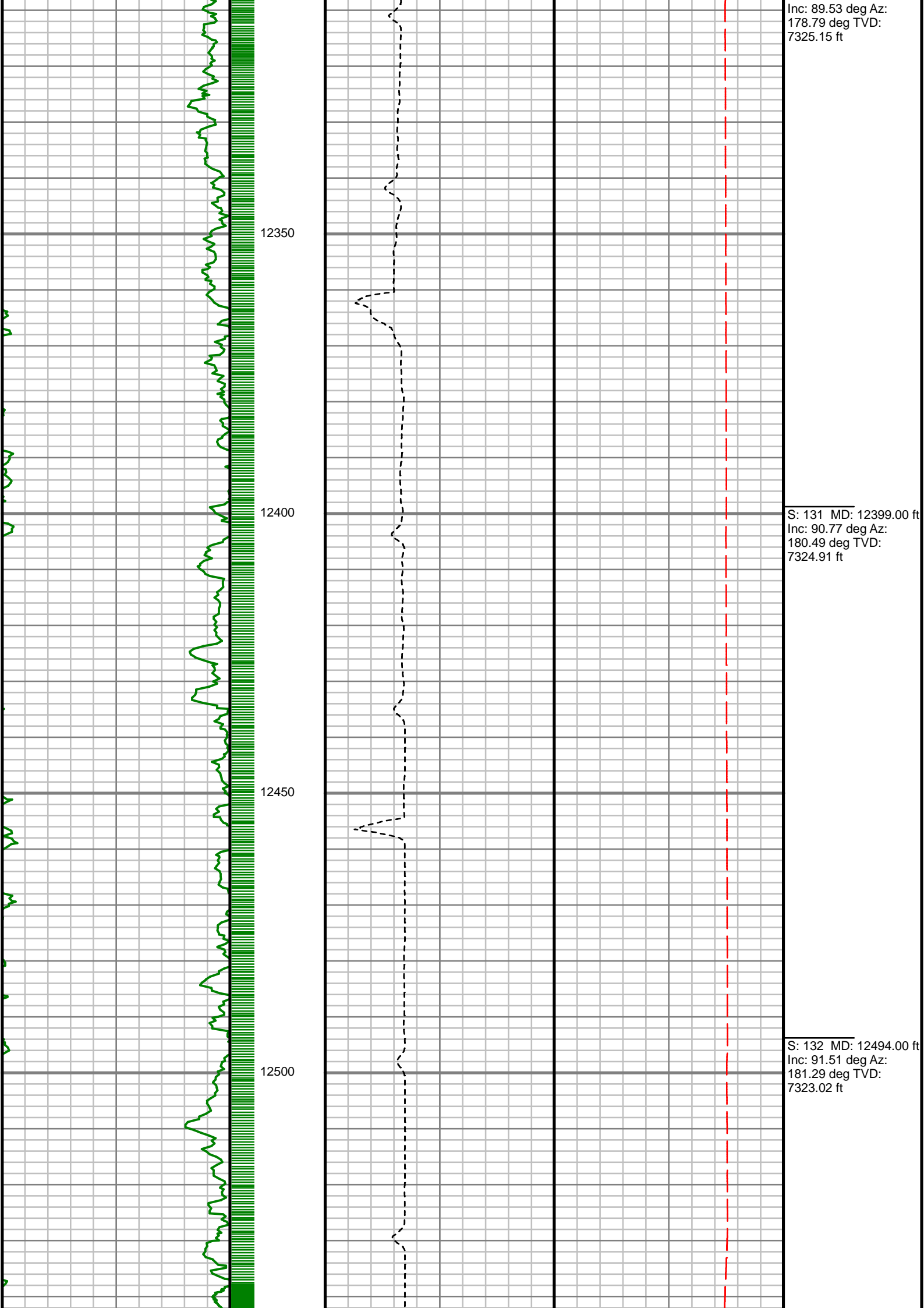


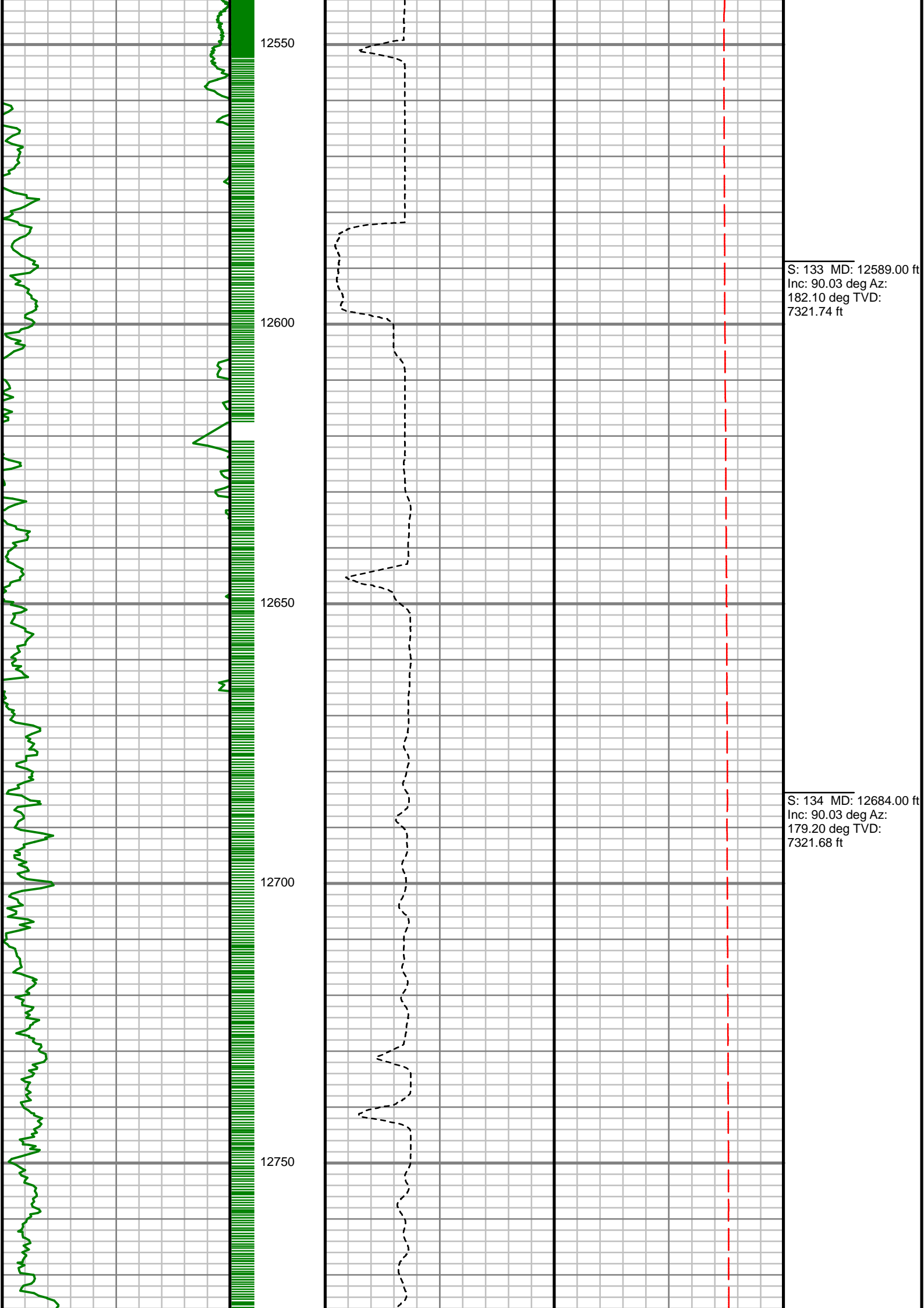
S: 125 MD: 11855.00 ft  
Inc: 90.50 deg Az:  
179.44 deg TVD:  
7323.86 ft

S: 126 MD: 11931.00 ft  
Inc: 91.14 deg Az:  
179.65 deg TVD:  
7322.54 ft

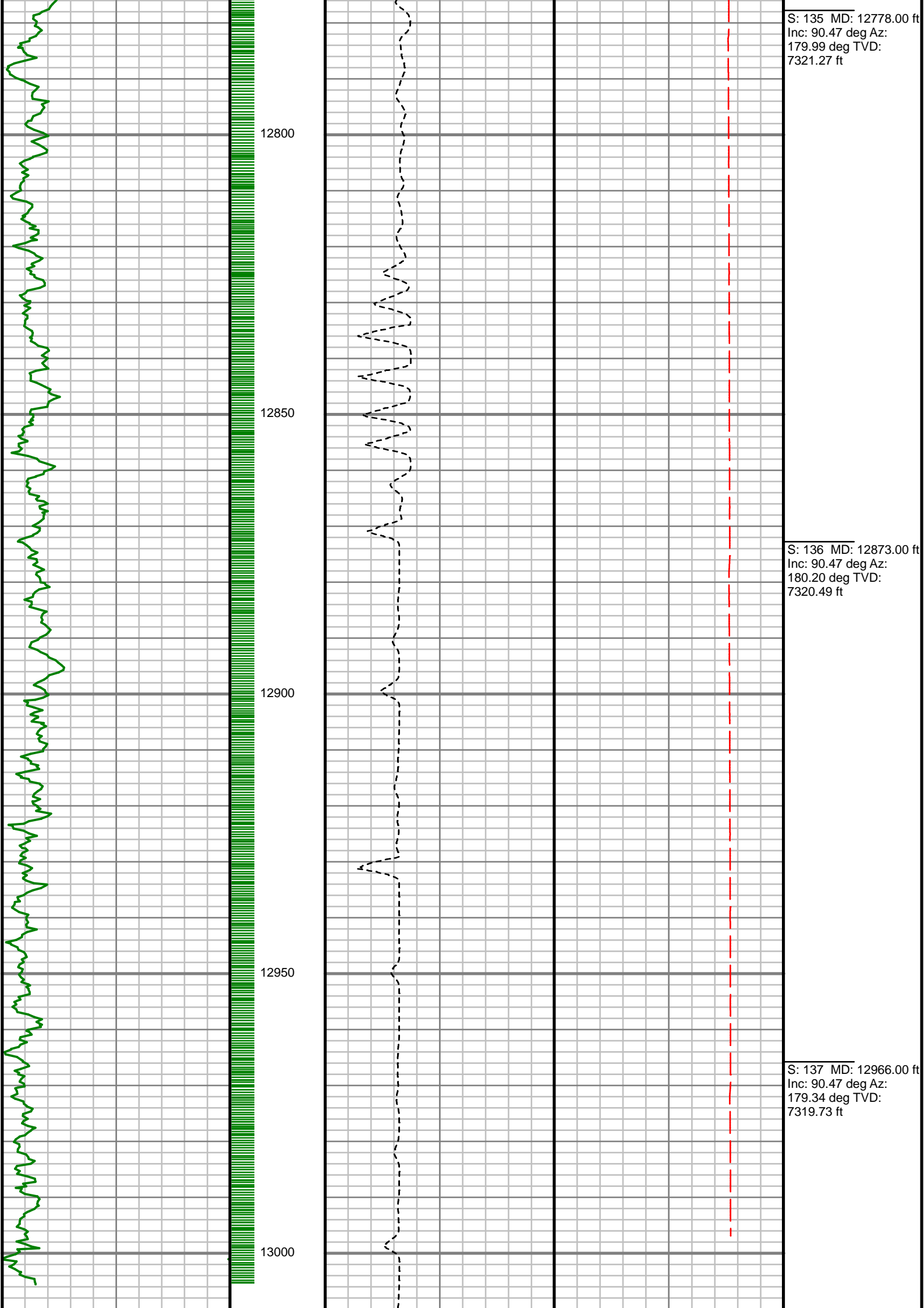
S: 127 MD: 12026.00 ft  
Inc: 89.56 deg Az:  
178.99 deg TVD:  
7321.95 ft







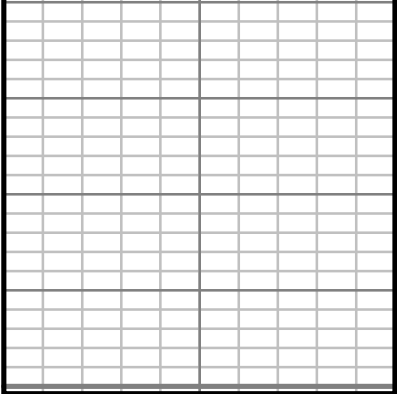




S: 135 MD: 12778.00 ft  
Inc: 90.47 deg Az:  
179.99 deg TVD:  
7321.27 ft

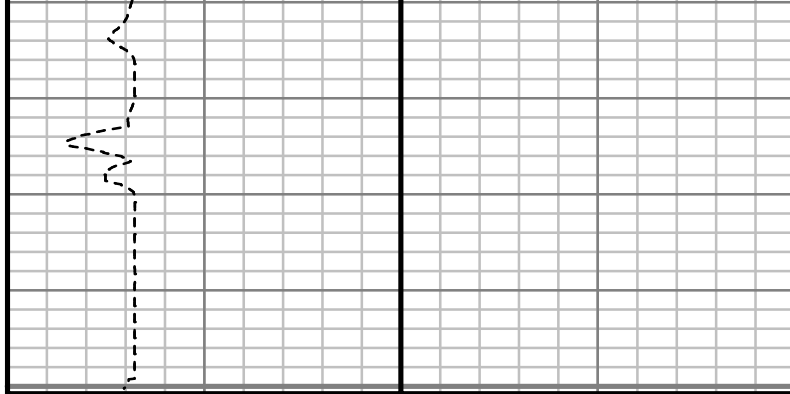
S: 136 MD: 12873.00 ft  
Inc: 90.47 deg Az:  
180.20 deg TVD:  
7320.49 ft

S: 137 MD: 12966.00 ft  
Inc: 90.47 deg Az:  
179.34 deg TVD:  
7319.73 ft

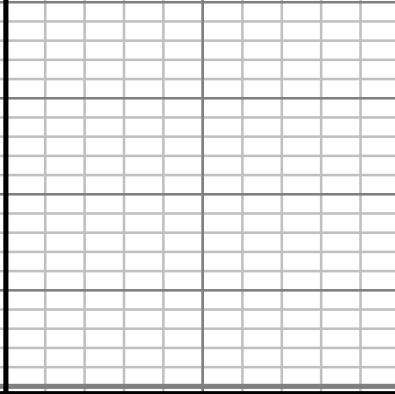


Gamma Ray (GR)		
150	Unit = aapi	300

13050  
MEASURED DEPTH  
1:240 (ft)



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



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

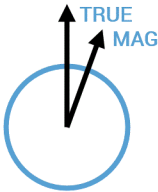
Comments
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CUSTOMER      ANADARKO E&P ONSHORE LLC  
PROJECT      LAND FED  
FIELD      WATTENBERG

**WELL INFORMATION**  
Lat/Long      40° 5' 56.497" N, 104° 48' 19.872" W  
Northing      14,562,852.96 ft  
Easting      1,694,802.23 ft  
UWI      05123424000000

**MAP INFORMATION**  
North Reference      True North  
Grid Correction System      Universal Transverse Mercator (US Survey Feet)  
Datum      North American Datum 1983  
Map Zone      Zone 13N (108 W to 102 W)

**VERTICAL SECTION REFERENCE**  
+N/-S      0 ft  
+E/-W      0 ft  
Proposal Direction      179.93°  
Calculation Method      Minimum Curvature



**GEOMAGNETIC REFERENCE INFORMATION**      Local Gravity: 999.046 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-3877 ft	ANADARKO MAGVAR	17 Jun 2016	8.34°	add 8.34°
3877-5952 ft	ANADARKO MAGVAR	17 Jun 2016	8.37°	add 8.37°
5952-9119 ft	ANADARKO MAGVAR	17 Jun 2016	8.38°	add 8.38°
9119-12966 ft	ANADARKO MAGVAR	17 Jun 2016	8.36°	add 8.36°

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS
ft	deg	deg	ft	ft	ft	ft	°/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
213.00	0.44	328.33	213.00	-0.70	0.70	-0.43	0.21
307.00	1.08	351.80	306.99	-1.88	1.88	-0.75	0.74
401.00	2.08	1.45	400.95	-4.46	4.46	-0.83	1.10
495.00	3.25	2.37	494.85	-8.83	8.83	-0.68	1.25
589.00	4.47	356.16	588.63	-15.15	15.15	-0.81	1.37
683.00	5.56	355.98	682.27	-23.35	23.35	-1.37	1.16
777.00	7.53	354.71	775.66	-34.02	34.02	-2.26	2.10
871.00	9.27	345.80	868.65	-47.50	47.50	-4.69	2.31
965.00	10.85	343.81	961.20	-63.34	63.33	-9.01	1.72
1059.00	13.03	340.85	1053.16	-81.86	81.84	-14.96	2.41
1153.00	15.79	342.40	1144.20	-104.07	104.05	-22.30	2.96
1247.00	18.46	345.12	1234.02	-130.66	130.63	-29.99	2.96
1341.00	19.43	343.65	1322.93	-160.06	160.01	-38.21	1.15
1434.00	20.03	344.82	1410.47	-190.28	190.23	-46.74	0.77
1528.00	20.19	344.60	1498.74	-221.47	221.40	-55.26	0.19
1624.00	20.76	343.87	1588.67	-253.80	253.72	-64.39	0.65
1719.00	20.29	343.82	1677.64	-285.80	285.71	-73.66	0.50
1814.00	19.35	344.10	1767.01	-316.77	316.67	-82.56	0.99
1858.00	19.33	344.34	1808.53	-330.80	330.69	-86.52	0.19

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1987.00	18.04	341.92	1930.73	-370.36	370.24	-98.48	1.17
2082.00	17.57	340.47	2021.18	-397.86	397.73	-107.84	0.68
2176.00	18.08	341.78	2110.67	-425.10	424.96	-117.15	0.69
2271.00	17.50	343.45	2201.13	-452.80	452.64	-125.82	0.81
2366.00	15.18	342.91	2292.29	-478.39	478.23	-133.54	2.44
2462.00	14.97	342.64	2384.99	-502.24	502.07	-140.94	0.23
2557.00	15.65	346.30	2476.62	-526.41	526.23	-147.63	1.24
2652.00	13.70	340.49	2568.52	-549.48	549.29	-154.42	2.56
2746.00	13.21	337.97	2659.94	-569.94	569.74	-162.17	0.82
2840.00	14.18	343.41	2751.27	-590.93	590.73	-169.49	1.72
2934.00	15.52	346.76	2842.13	-614.22	614.00	-175.66	1.69
3029.00	17.99	347.36	2933.09	-640.92	640.70	-181.78	2.61
3123.00	17.32	347.42	3022.66	-668.75	668.52	-188.00	0.71
3218.00	17.35	348.05	3113.35	-696.42	696.18	-194.02	0.20
3312.00	18.18	346.44	3202.86	-724.39	724.15	-200.36	1.02
3408.00	16.51	343.70	3294.50	-752.05	751.80	-207.70	1.94
3501.00	16.45	344.44	3383.68	-777.43	777.17	-214.94	0.24
3596.00	17.35	337.05	3474.58	-803.45	803.17	-224.07	2.45
3689.00	16.62	331.65	3563.53	-827.94	827.65	-235.79	1.87
3783.00	17.37	332.76	3653.42	-852.27	851.96	-248.60	0.87

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3878.00	18.39	335.04	3743.84	-878.47	878.15	-261.42	1.30
3973.00	15.86	337.74	3834.62	-904.09	903.76	-272.66	2.79
4067.00	14.85	341.97	3925.26	-927.45	927.11	-281.26	1.60
4161.00	16.13	343.98	4015.85	-951.47	951.12	-288.59	1.47
4255.00	17.14	348.00	4105.91	-977.58	977.22	-295.07	1.63
4350.00	19.76	348.98	4196.02	-1007.05	1006.68	-301.05	2.78
4445.00	20.03	344.97	4285.36	-1038.53	1038.16	-308.34	1.46
4539.00	17.74	343.53	4374.29	-1067.83	1067.45	-316.58	2.49
4634.00	15.33	342.66	4465.35	-1093.72	1093.32	-324.43	2.55
4728.00	15.31	344.74	4556.01	-1117.56	1117.16	-331.40	0.58
4823.00	16.10	345.79	4647.46	-1142.44	1142.03	-337.93	0.89
4917.00	16.38	345.83	4737.71	-1167.94	1167.52	-344.38	0.29
5010.00	16.52	346.01	4826.91	-1193.48	1193.06	-350.78	0.16
5104.00	16.54	345.47	4917.02	-1219.41	1218.98	-357.37	0.16
5199.00	15.83	342.58	5008.26	-1244.88	1244.43	-364.64	1.13
5292.00	15.71	342.19	5097.76	-1268.97	1268.52	-372.29	0.17
5387.00	16.62	342.67	5189.00	-1294.20	1293.73	-380.27	0.97
5481.00	16.65	342.84	5279.07	-1319.90	1319.43	-388.24	0.06
5574.00	16.70	343.35	5368.16	-1345.45	1344.96	-396.01	0.17
5669.00	15.81	343.24	5459.36	-1370.93	1370.44	-403.65	0.94

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5764.00	15.86	342.25	5550.75	-1395.69	1395.19	-411.34	0.29
5859.00	16.68	343.62	5641.95	-1421.15	1420.64	-419.14	0.95
5953.00	13.83	340.83	5732.63	-1444.72	1444.19	-426.64	3.13
6048.00	11.92	342.23	5825.24	-1464.79	1464.26	-433.36	2.04
6142.00	10.67	345.53	5917.42	-1482.46	1481.93	-438.50	1.50
6237.00	9.38	343.74	6010.97	-1498.41	1497.87	-442.86	1.39
6329.00	6.60	344.06	6102.06	-1510.70	1510.15	-446.41	3.03
6423.00	5.39	342.50	6195.55	-1520.10	1519.55	-449.22	1.30
6516.00	4.00	341.66	6288.23	-1527.34	1526.79	-451.55	1.50
6609.00	2.23	335.77	6381.09	-1532.07	1531.52	-453.32	1.93
6702.00	2.09	344.34	6474.03	-1535.35	1534.79	-454.51	0.38
6797.00	2.26	338.10	6568.96	-1538.75	1538.20	-455.68	0.31
6890.00	2.22	330.48	6661.89	-1542.03	1541.47	-457.25	0.32
6984.00	2.19	177.18	6755.86	-1541.82	1541.26	-458.06	4.57
7045.00	2.48	143.90	6816.82	-1539.59	1539.03	-457.23	2.24
7139.00	14.13	185.15	6909.71	-1526.47	1525.91	-457.06	13.16
7235.00	23.86	179.35	7000.38	-1495.30	1494.74	-457.89	10.32
7330.00	36.20	178.45	7082.47	-1447.85	1447.30	-456.91	13.00
7425.00	47.87	179.69	7152.90	-1384.36	1383.80	-455.96	12.31
7519.00	57.63	179.31	7209.73	-1309.63	1309.07	-455.28	10.39

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
7614.00	65.06	177.89	7255.26	-1226.35	1225.79	-453.21	7.92
7709.00	71.52	179.58	7290.38	-1138.16	1137.61	-451.29	7.00
7804.00	78.70	180.71	7314.78	-1046.41	1045.86	-451.55	7.65
7898.00	87.71	181.63	7325.89	-953.19	952.64	-453.46	9.64
7992.00	88.79	181.66	7328.76	-859.28	858.72	-456.15	1.14
8085.00	88.89	179.38	7330.64	-766.31	765.75	-456.99	2.45
8179.00	89.87	179.55	7331.67	-672.32	671.76	-456.11	1.06
8273.00	89.16	180.01	7332.46	-578.32	577.76	-455.75	0.89
8367.00	90.47	180.37	7332.77	-484.32	483.77	-456.06	1.44
8462.00	90.20	181.44	7332.21	-389.34	388.78	-457.56	1.16
8556.00	88.49	180.54	7333.29	-295.37	294.81	-459.18	2.06
8649.00	88.92	180.75	7335.39	-202.40	201.84	-460.22	0.53
8743.00	89.70	182.01	7336.52	-108.44	107.87	-462.49	1.57
8837.00	88.59	180.62	7337.92	-14.48	13.91	-464.65	1.89
8932.00	89.43	181.32	7339.56	80.49	-81.06	-466.26	1.15
9027.00	91.21	181.49	7339.04	175.45	-176.02	-468.58	1.88
9121.00	91.11	179.55	7337.13	269.42	-270.00	-469.43	2.07
9215.00	89.66	180.35	7336.50	363.42	-363.99	-469.34	1.76
9310.00	89.60	178.42	7337.11	458.41	-458.98	-468.32	2.03
9403.00	89.76	178.73	7337.63	551.38	-551.95	-466.01	0.38

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
9498.00	90.50	178.82	7337.41	646.36	-646.93	-463.98	0.78
9592.00	90.71	178.24	7336.42	740.33	-740.89	-461.57	0.65
9685.00	91.78	178.34	7334.40	833.26	-833.83	-458.80	1.16
9779.00	90.50	178.46	7332.52	927.21	-927.77	-456.18	1.36
9873.00	91.35	178.41	7331.00	1021.17	-1021.72	-453.61	0.90
9967.00	90.97	179.21	7329.10	1115.13	-1115.68	-451.65	0.94
10060.00	89.70	179.44	7328.56	1208.12	-1208.67	-450.55	1.39
10154.00	90.67	179.78	7328.26	1302.12	-1302.67	-449.91	1.10
10248.00	90.03	180.12	7327.68	1396.11	-1396.66	-449.82	0.77
10342.00	91.01	179.65	7326.82	1490.11	-1490.66	-449.63	1.15
10436.00	88.93	179.72	7326.88	1584.10	-1584.65	-449.12	2.22
10530.00	89.43	178.83	7328.22	1678.08	-1678.63	-447.93	1.09
10625.00	91.08	178.53	7327.80	1773.06	-1773.60	-445.74	1.76
10719.00	90.00	178.44	7326.92	1867.02	-1867.56	-443.26	1.15
10813.00	89.93	178.62	7326.98	1960.99	-1961.53	-440.85	0.21
10906.00	90.17	177.59	7326.89	2053.95	-2054.48	-437.78	1.14
11000.00	91.18	178.70	7325.79	2147.89	-2148.42	-434.73	1.60
11093.00	90.60	180.60	7324.35	2240.87	-2241.41	-434.16	2.13
11186.00	89.50	180.82	7324.27	2333.86	-2334.40	-435.31	1.22
11279.00	89.33	180.92	7325.22	2426.85	-2427.38	-436.72	0.21

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
11371.00	89.19	180.72	7326.41	2518.83	-2519.36	-438.04	0.25
11465.00	89.76	181.44	7327.26	2612.80	-2613.34	-439.81	0.97
11558.00	90.37	180.59	7327.15	2705.79	-2706.33	-441.46	1.12
11652.00	90.57	181.30	7326.38	2799.77	-2800.31	-443.01	0.79
11745.00	91.01	180.37	7325.10	2892.75	-2893.29	-444.37	1.11
11839.00	90.50	179.44	7323.86	2986.74	-2987.28	-444.21	1.12
11931.00	91.14	179.65	7322.54	3078.72	-3079.27	-443.48	0.73
12026.00	89.56	178.99	7321.95	3173.71	-3174.26	-442.35	1.80
12120.00	89.36	179.24	7322.84	3267.70	-3268.24	-440.90	0.35
12214.00	89.13	179.08	7324.08	3361.68	-3362.22	-439.52	0.30
12306.00	89.53	178.79	7325.15	3453.66	-3454.20	-437.82	0.54
12399.00	90.77	180.49	7324.91	3546.66	-3547.19	-437.23	2.26
12494.00	91.51	181.29	7323.02	3641.62	-3642.16	-438.70	1.15
12589.00	90.03	182.10	7321.74	3736.56	-3737.11	-441.52	1.77
12684.00	90.03	179.20	7321.68	3831.55	-3832.09	-442.60	3.05
12778.00	90.47	179.99	7321.27	3925.54	-3926.09	-441.93	0.96
12873.00	90.47	180.20	7320.49	4020.54	-4021.08	-442.09	0.23
12966.00	90.47	179.34	7319.73	4113.54	-4114.08	-441.72	0.93

5" = 100' FEET MD