

5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC
WELL : GOODIN 38N-A6HZ
FIELD : WATTENBERG
COUNTY : WELD
STATE : COLORADO
COUNTRY : U.S.A.
UWI : 05-123-40748

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UWI : 05-123-40748

WELL LOCATION

LAT:40°3'35.438"N LONG:104°42'8.093"W
N:1265650.89 ft E:3223293.94 ft

OTHER SERVICES

SEC:07

TWP:1N

RANGE:65W

DIRECTIONAL
ROP

DEPTH REF. : RKB

REF. HEIGHT : 25.000 ft

RKB to Ground Level

GROUND LEVEL : 5004.000 ft

G.L. to MEAN SEA LEVEL

BOREHOLE RECORD

DEVIATION RECORD

HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft
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12.5	0	1595	0 - 29	0	4455
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8.75	1595	7641	29 - 0	4455	6731
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6	7641	13429	0 - 79	6731	7641
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			79 - 92	7641	13429
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CASING RECORD

CASING SIZE in	FROM ft	TO ft			
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9.625	0	1585			
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7	0	7631			
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DRILLING CO. : H&P

RIG : 307

LWD UNIT NO. : C11-EM#70 / DISTRICT: CASPER

SPUD DATE : 01/10/2015

LWD START DATE : 02/23/2015

LWD END DATE : 03/03/2015

DEPTH : 2538 ft

DEPTH : 13429 ft

TOTAL DEPTH : 13429 ft

Run Data

RUN NUMBER	1	2	3	4		
START DATE	02/24/2015	02/24/2015	02/26/2015	02/28/2015		
START TIME	0330	1830	1225	2230		
END DATE	02/24/2015	02/26/2015	02/27/2015	03/03/2015		
END TIME	1830	1225	1625	0950		
DEPTH IN (ft)	1595	2358	7344	7641		
DEPTH OUT (ft)	2358	7344	7641	13429		
LOG TOP (ft)	-	2309	7295	7592		
LOG BOTTOM (ft)	-	7295	7592	13377		
HOLE SIZE (in)	8.75	8.75	8.75	6		
MUD DATA @ (ft)	2538	7344	7641	13182		
MUD TYPE	WATER-BASED	WATER-BASED	WATER-BASED	WATER-BASED		
DENSITY (lb / gal)	8.5	10.3	10.2	9.7		
VISCOSITY (s / qt)	54	51	47	50		
pH	10	9.7	9.7	9.8		
FLUID LOSS (cm3 / 30)	-	-	-	-		
SALINITY (ppm)	-	-	-	-		
Rm (ohmm @ deg F)	-	-	-	-		
Rmf (ohmm @ deg F)	-	-	-	-		
MAX TEMP (deg F)	166	163	167	226		
Rm @ MAX TEMP (ohmm)	-	-	-	-		
LWD ENGINEER #1	S. WAXLER	S. WAXLER	S. WAXLER	S. WAXLER		
LWD ENGINEER #2	S. NEJAD	S. NEJAD	S. NEJAD	C. COLLINS		
LWD ENGINEER #3	-	-	C. COLLINS	-		
LOG WITNESS #1	-	-	-	-		
LOG WITNESS #2	-	-	-	-		

Remarks
ANADARKO E&P ONSHORE LLC PRODUCTION AFE# 2097455
SCIENTIFIC DRILLING INTERNATIONAL JOB# 258160
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
RUN #1: DIRECTIONAL / GYRO RUN
SENSORS S/N: PULSER = 128-010 / CONT = 939 / MWD EYE = 1107 / GYRO = 115
BIT TO SENSOR OFFSETS: SURVEY = 61.24 FT. / GYRO = 47.09 FT.
RUN #2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-086 / CONT = 863 / MWD EYE = 280 / GAMMA RAY = 1344
BIT TO SENSOR OFFSETS: SURVEY = 61.24 FT. / GAMMA RAY = 52.59 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-212 / CONT = 1208 / MWD EYE = 882 / GAMMA RAY = 932
BIT TO SENSOR OFFSETS: SURVEY = 57.56 FT. / GAMMA RAY = 48.91 FT.
RUN #4: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-039 / CONT = 631 / MWD EYE = 538 / GAMMA RAY = 1218
BIT TO SENSOR OFFSETS: SURVEY = 60.17 FT. / GAMMA RAY = 51.52 FT.
REMARK #1: GAMMA RAY FROM 7591 FT. TO 7632 FT. WAS LOGGED BEHIND CASING

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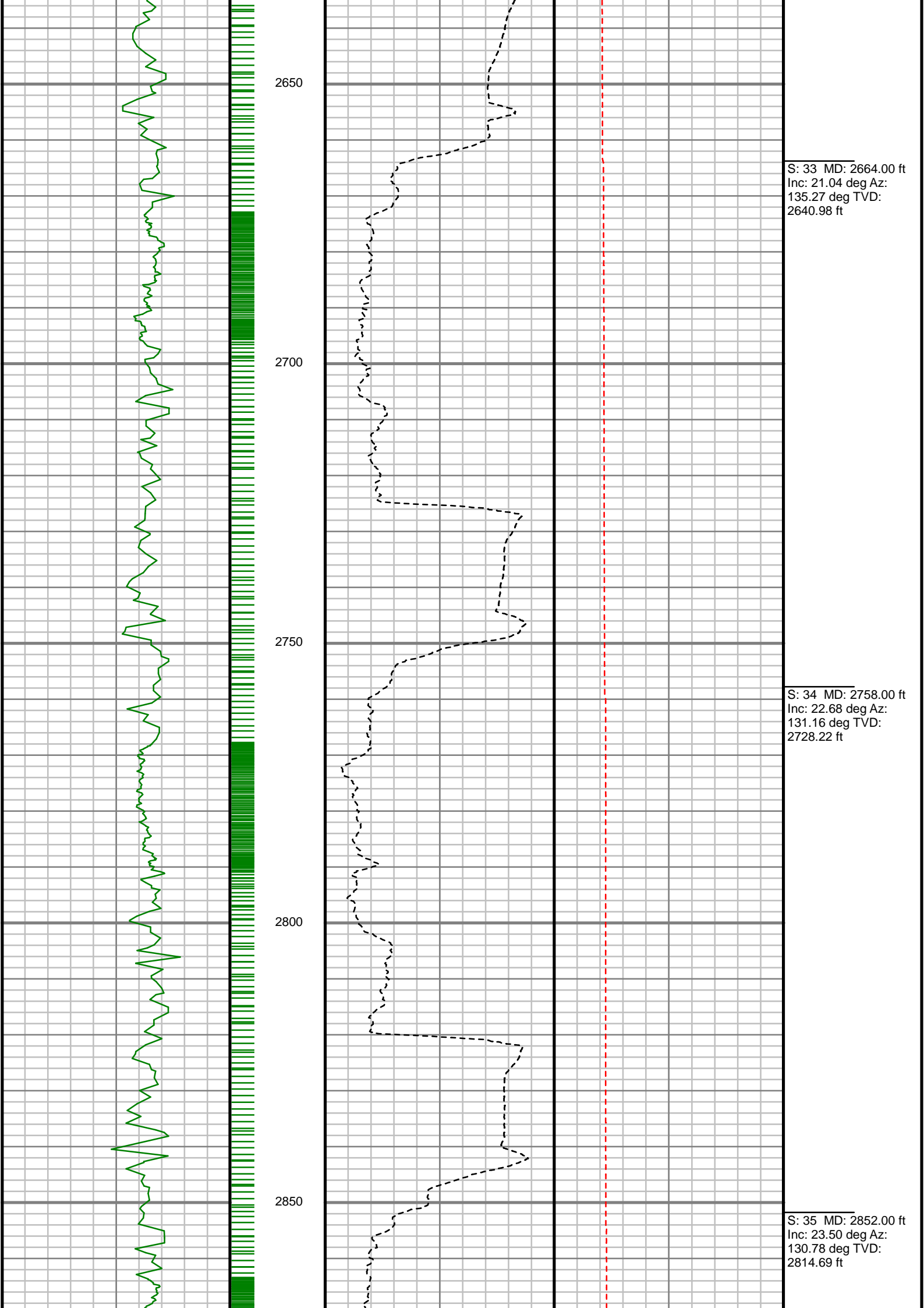
BIT TO SENSOR OFFSETS: SURVEY = 60.17 FT. / GAMMA RAY = 51.52 FT.REMARK #1: GAMMA RAY FROM 7591 FT. TO 7632 FT. WAS LOGGED BEHIND CASING[illegible]

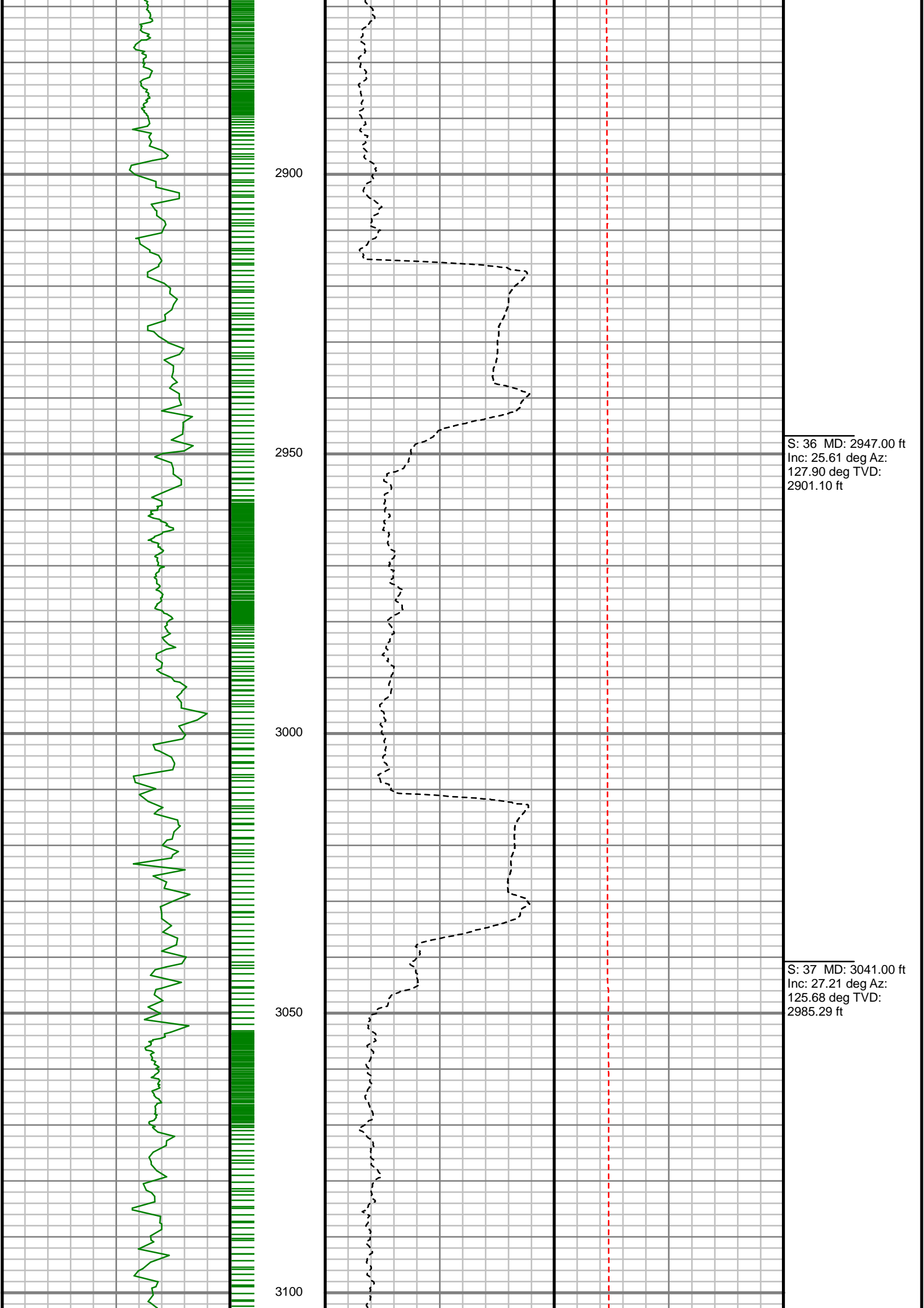
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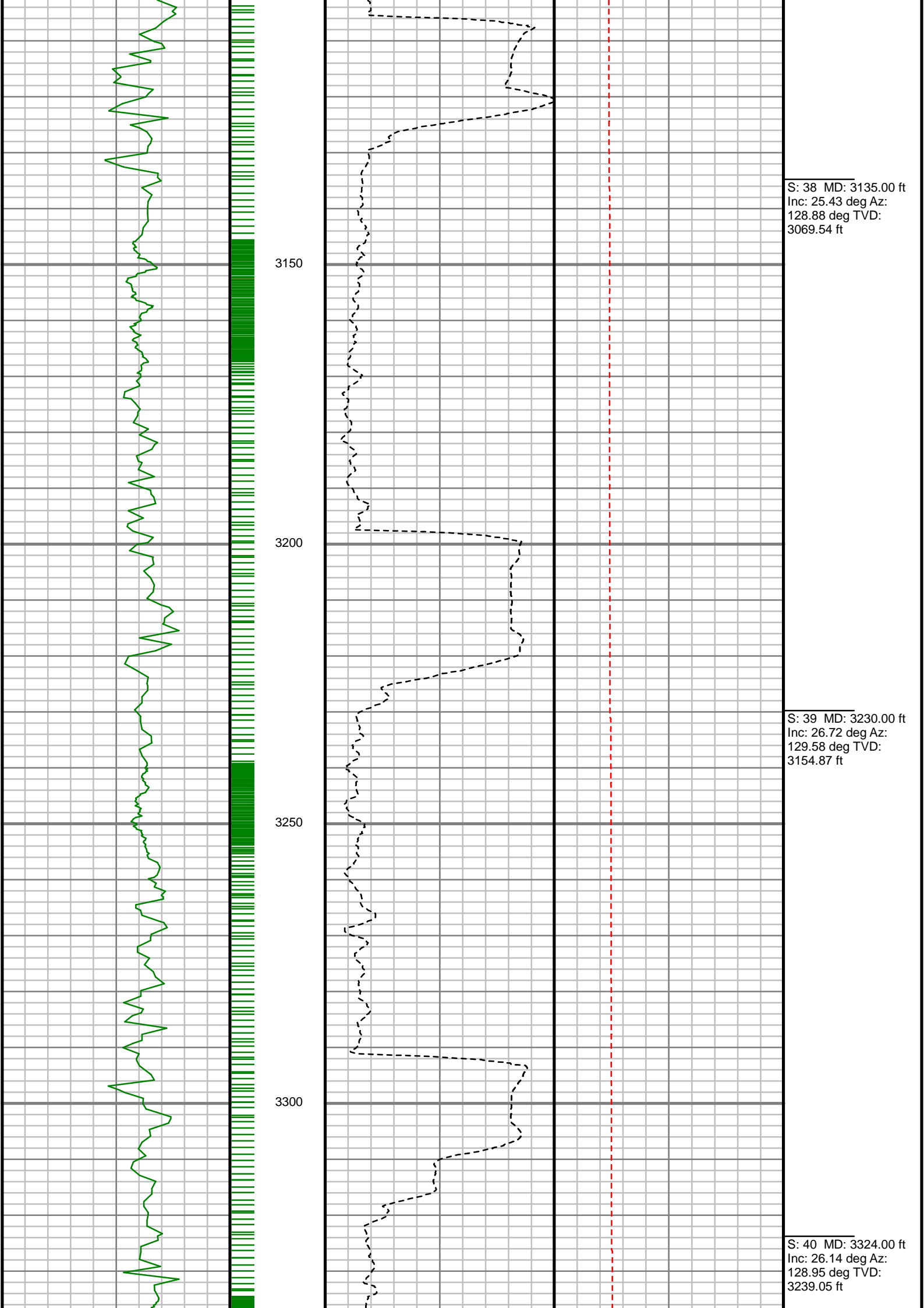
GR = GAMMA RAY

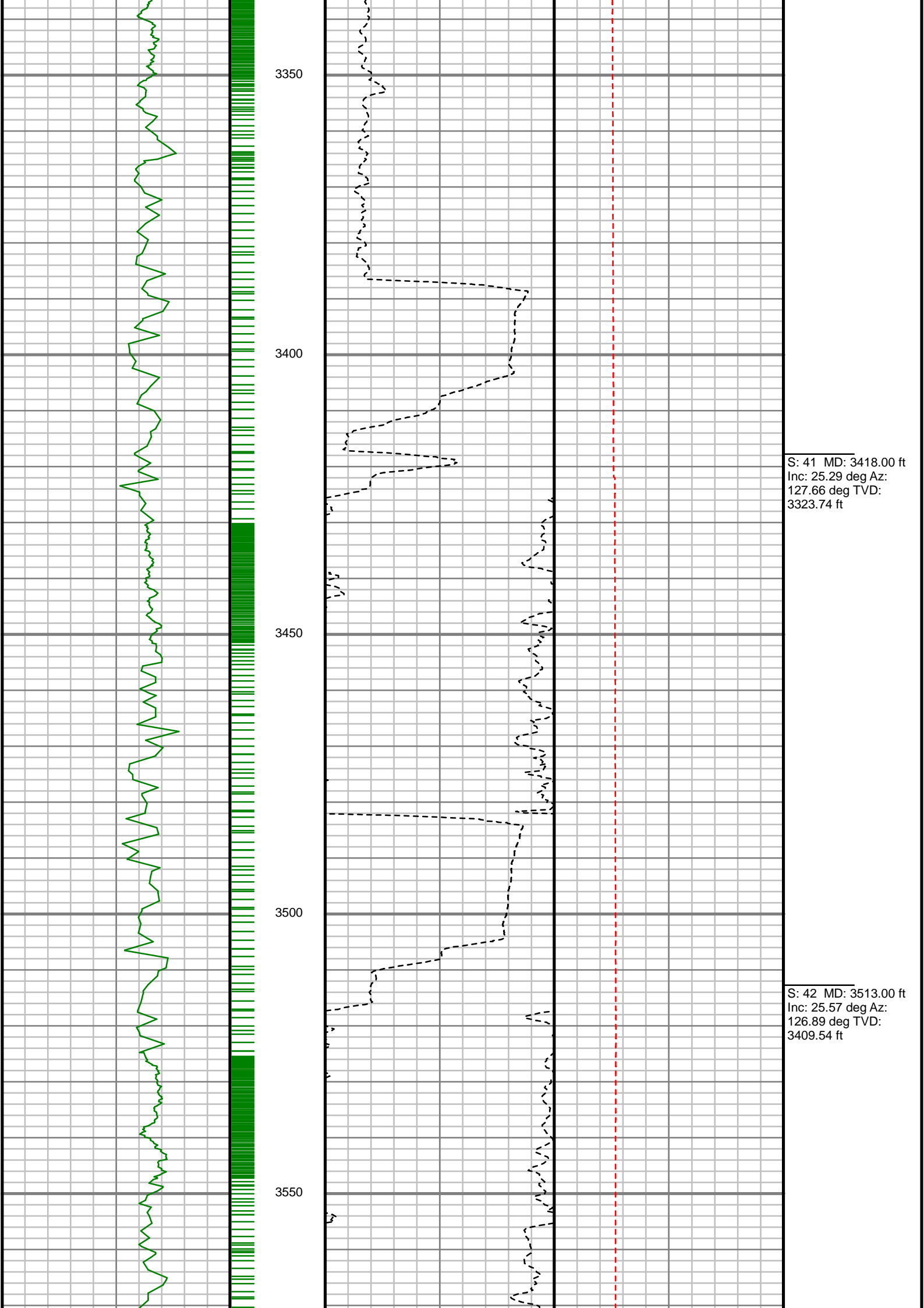
ROP = RATE OF PENETRATION

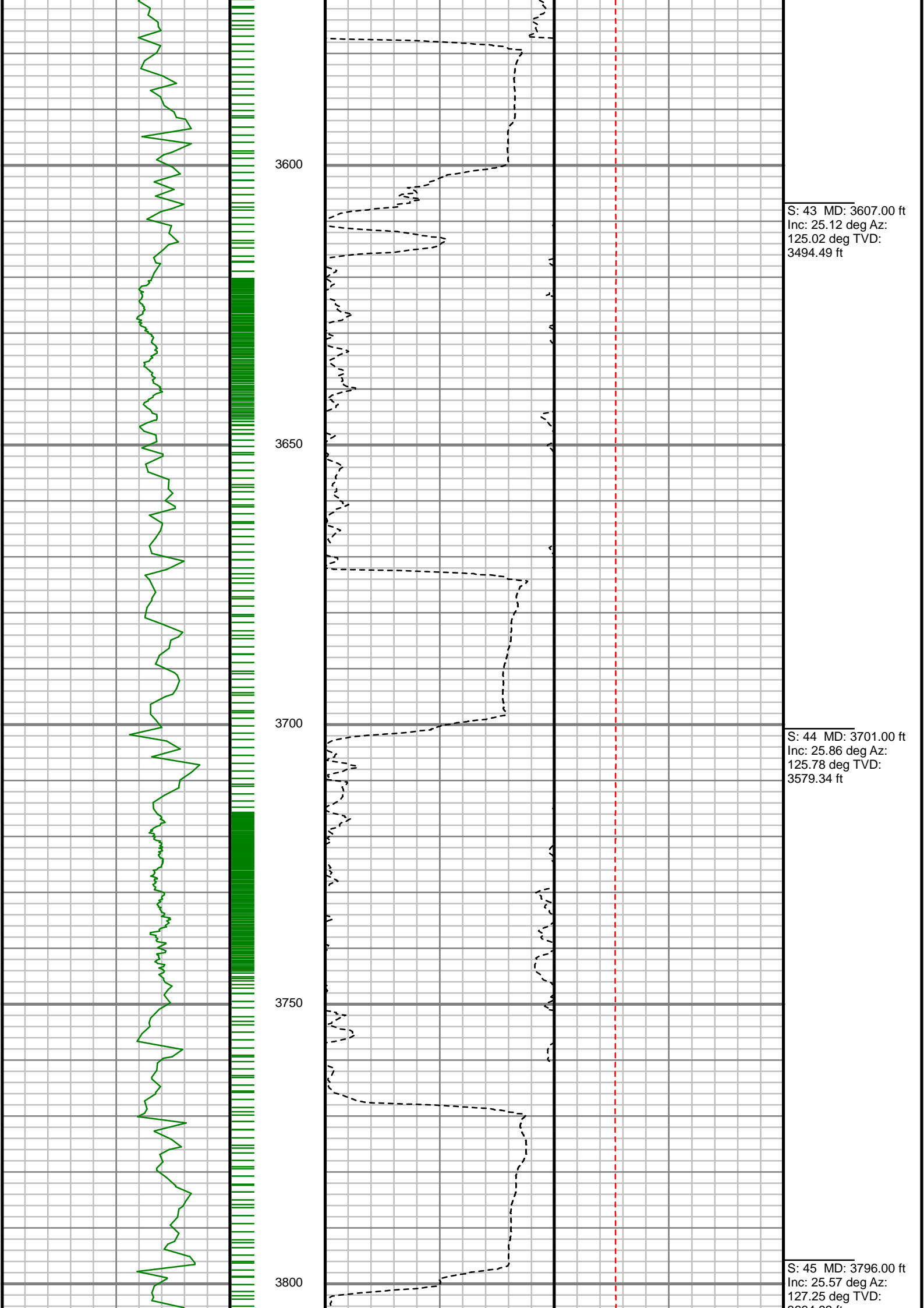
T-TEMP = TOOL TEMPERATURE

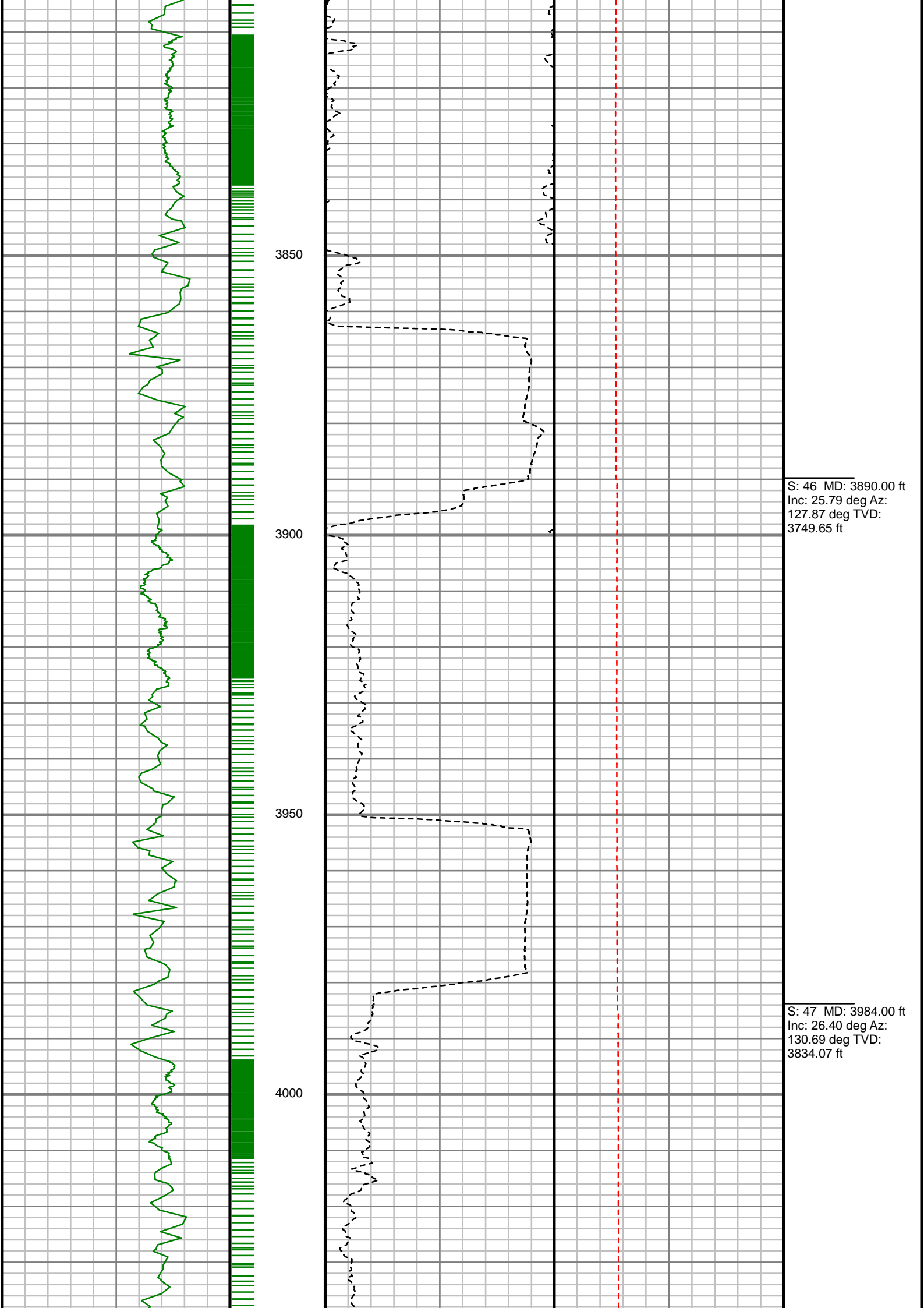


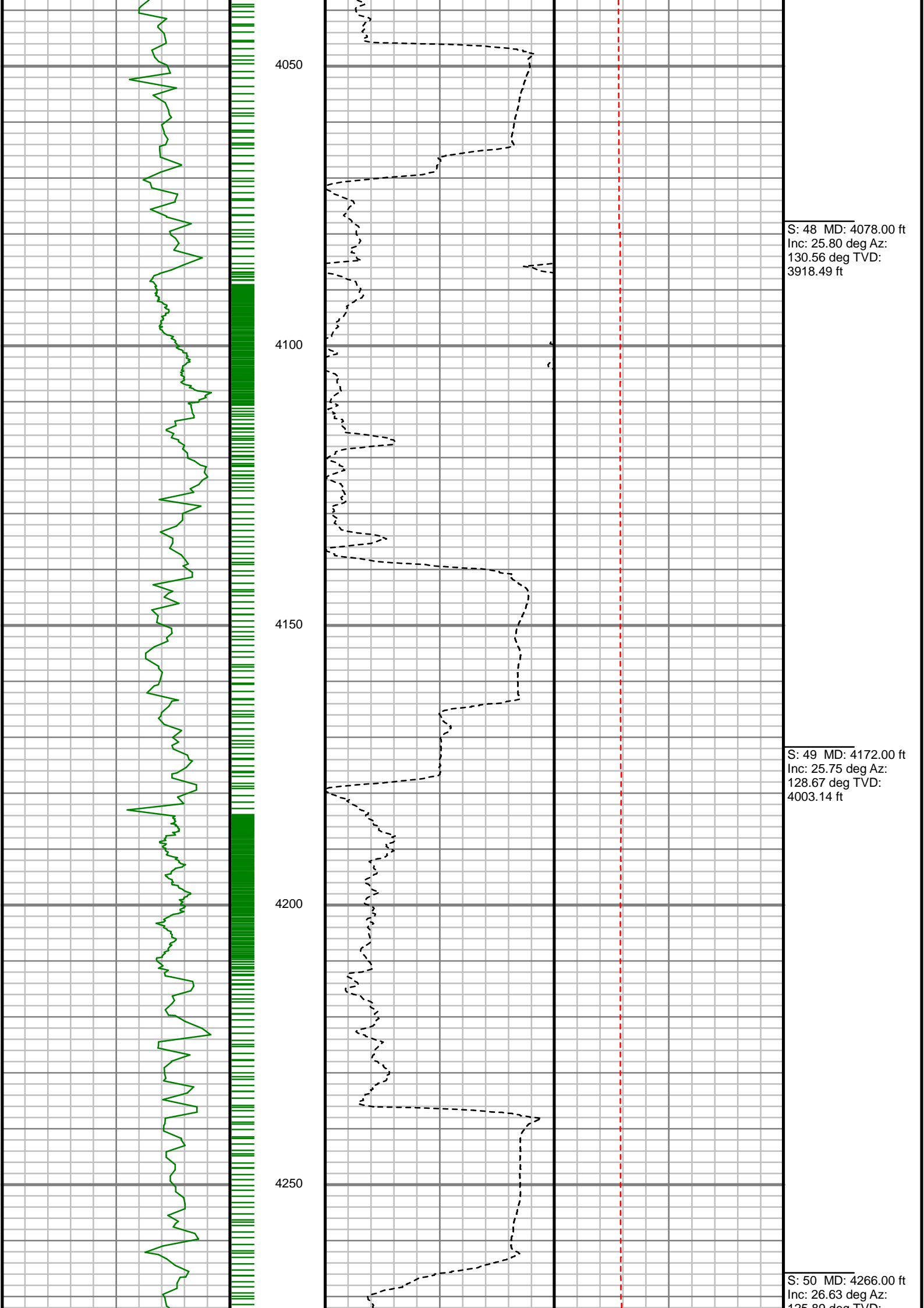


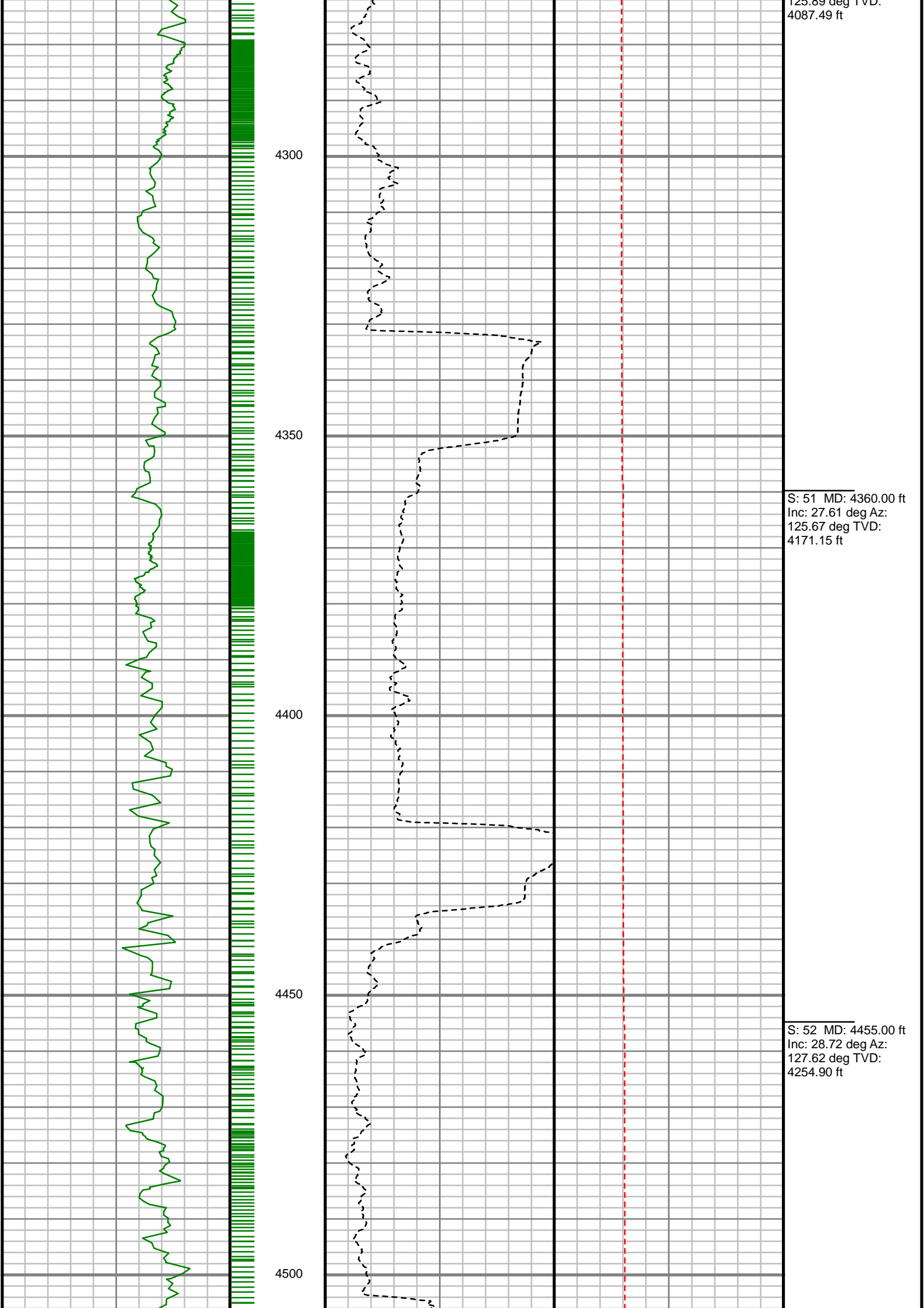


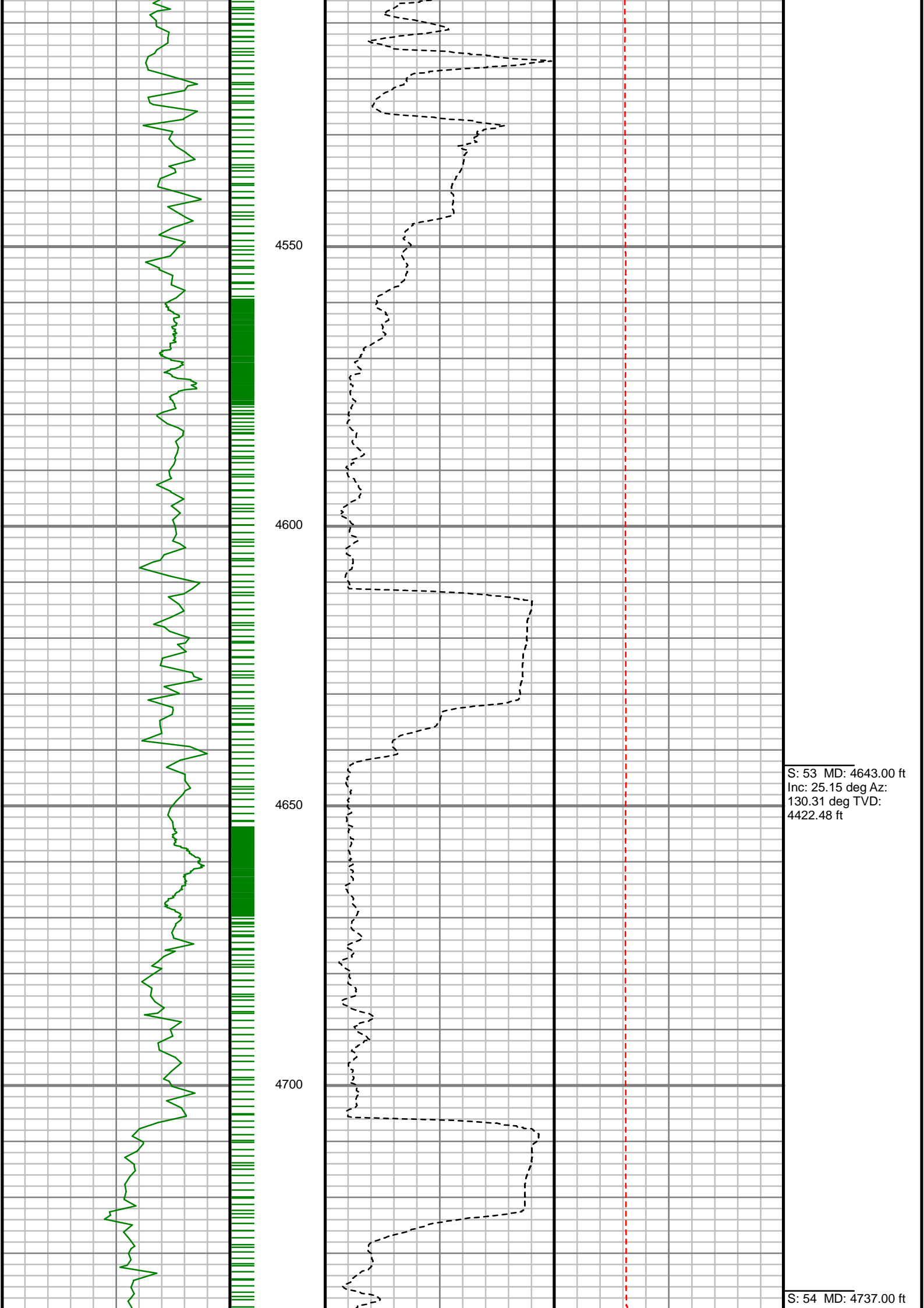


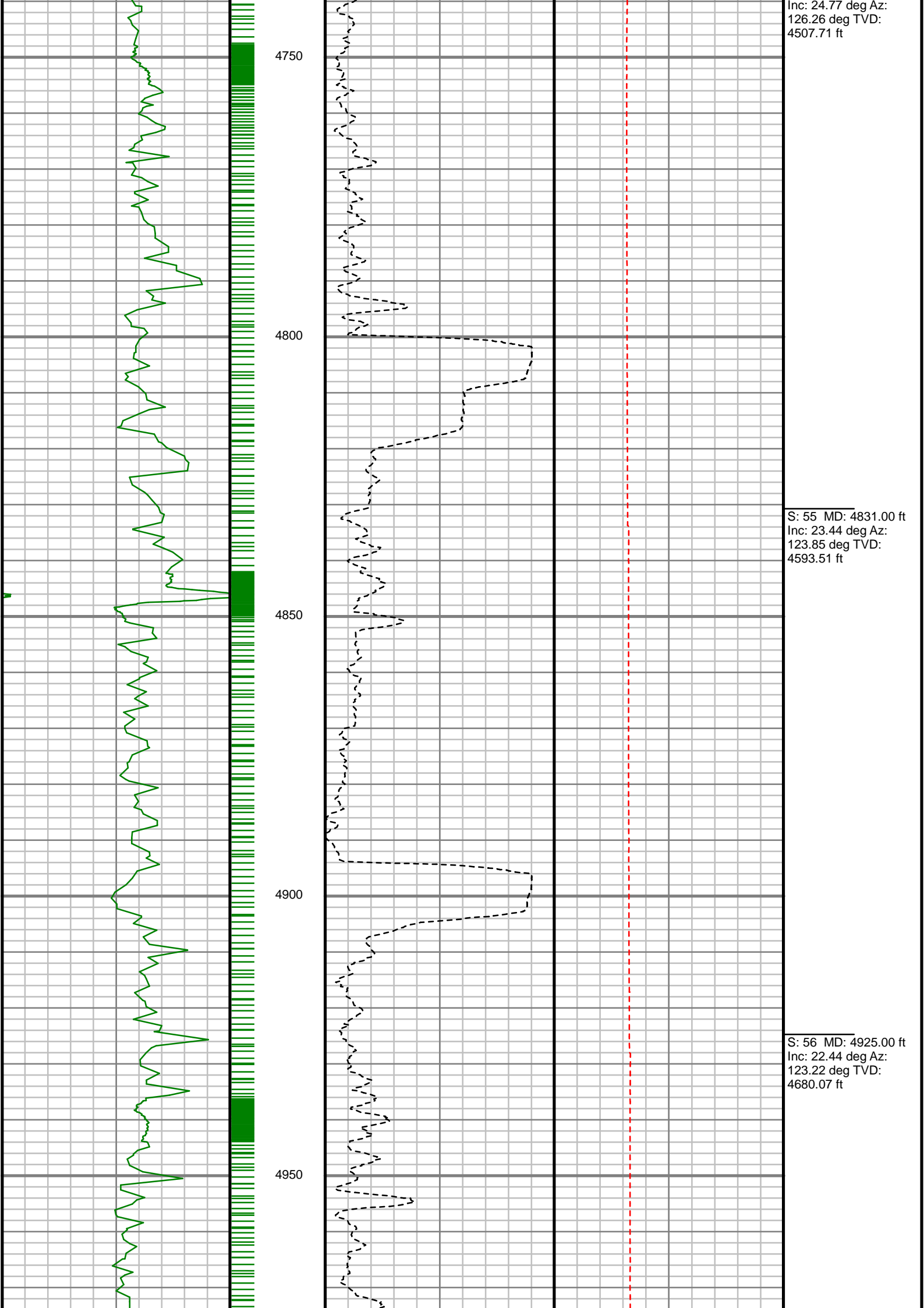


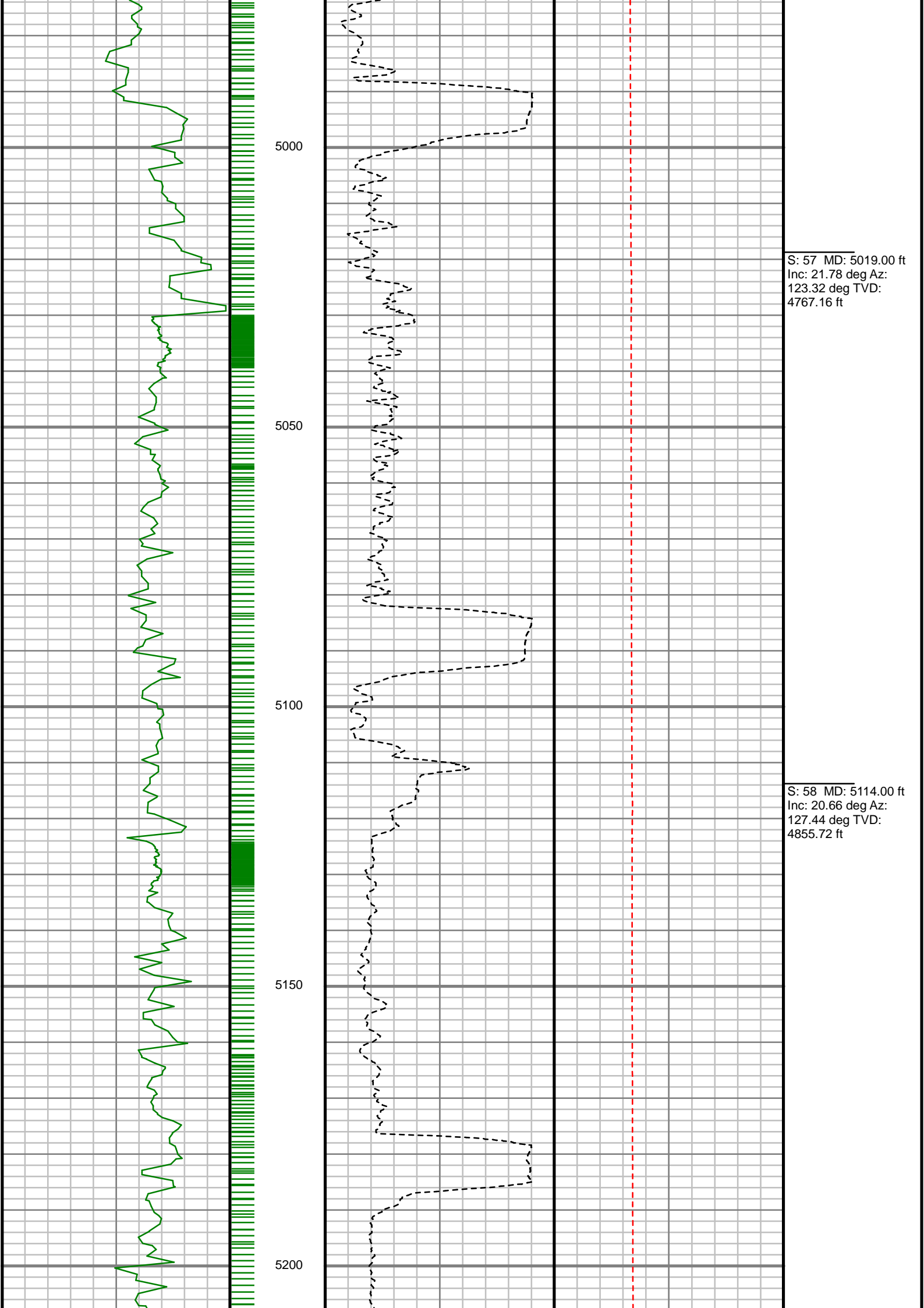


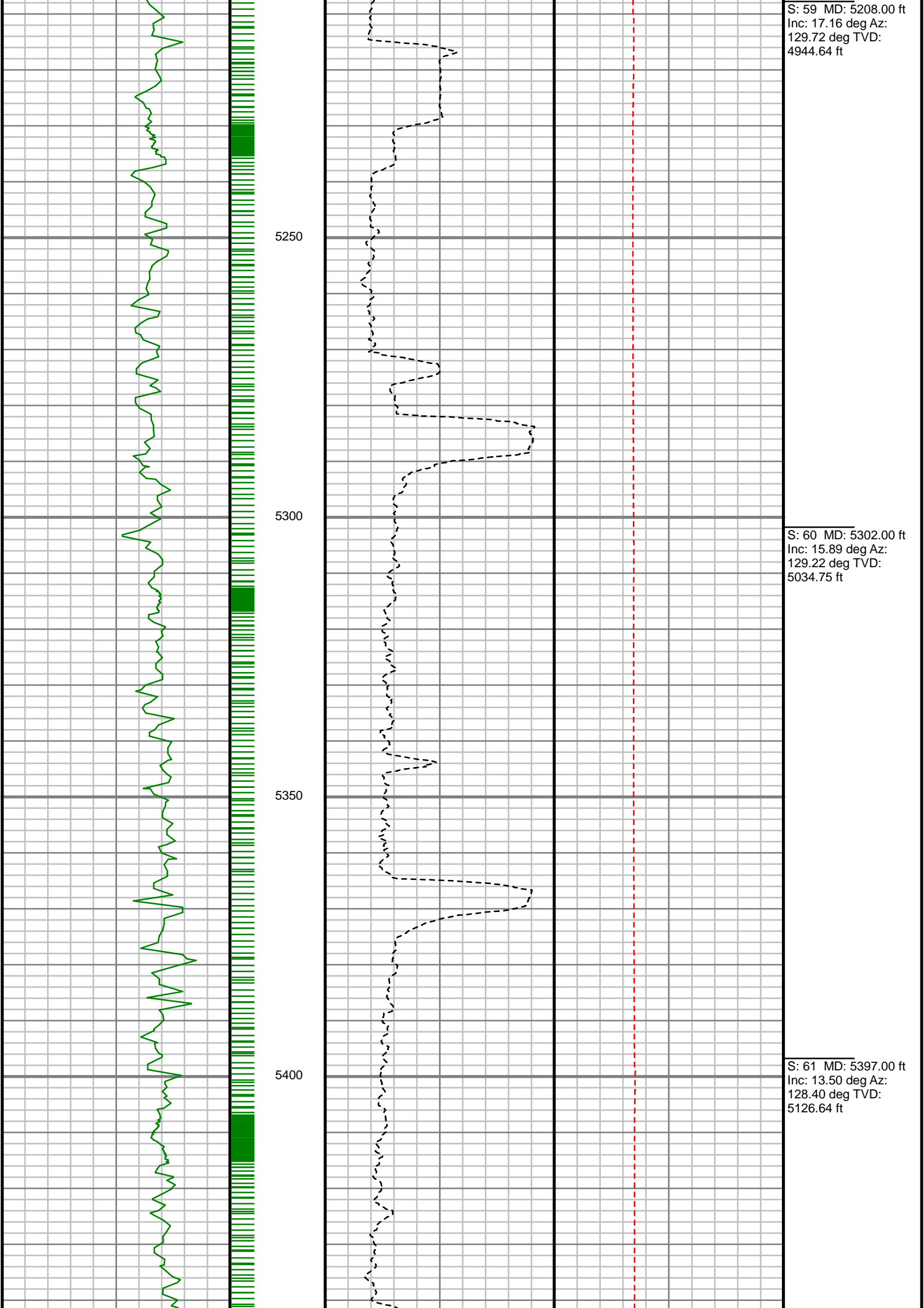


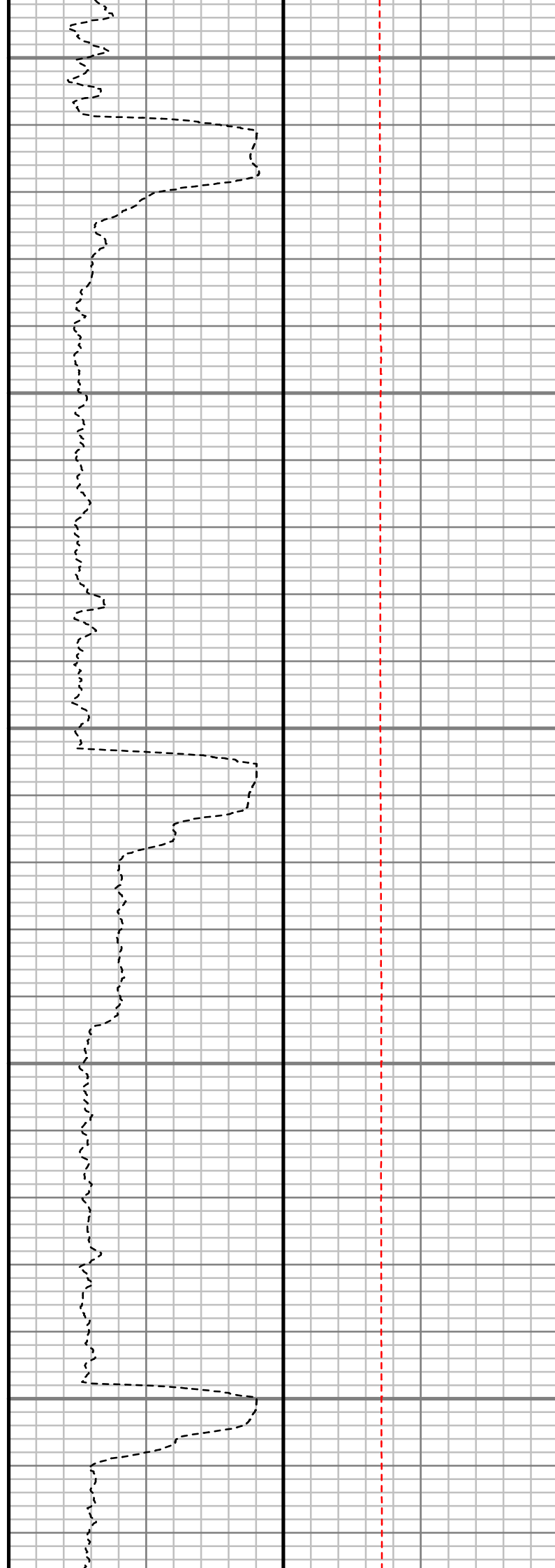
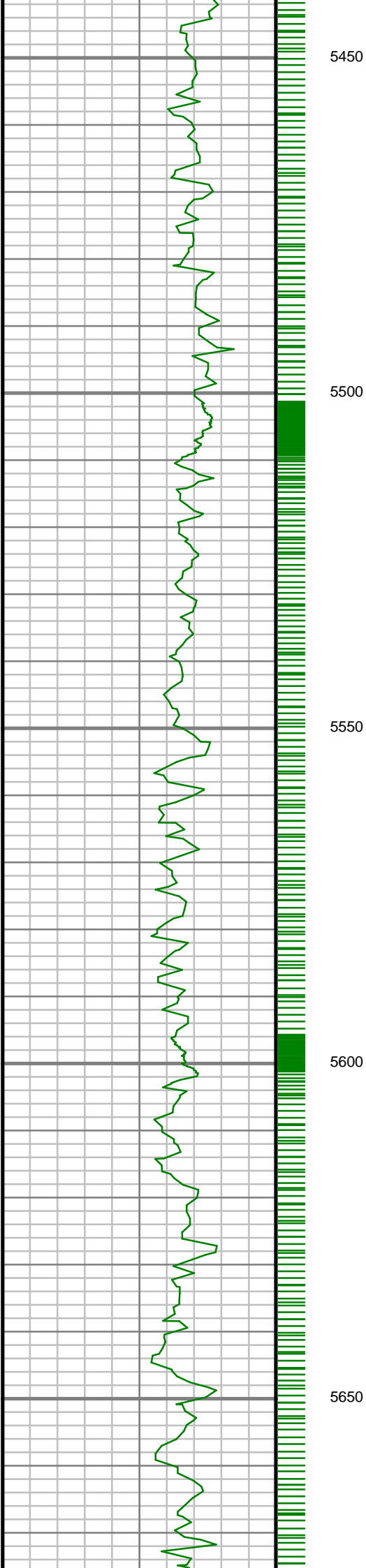






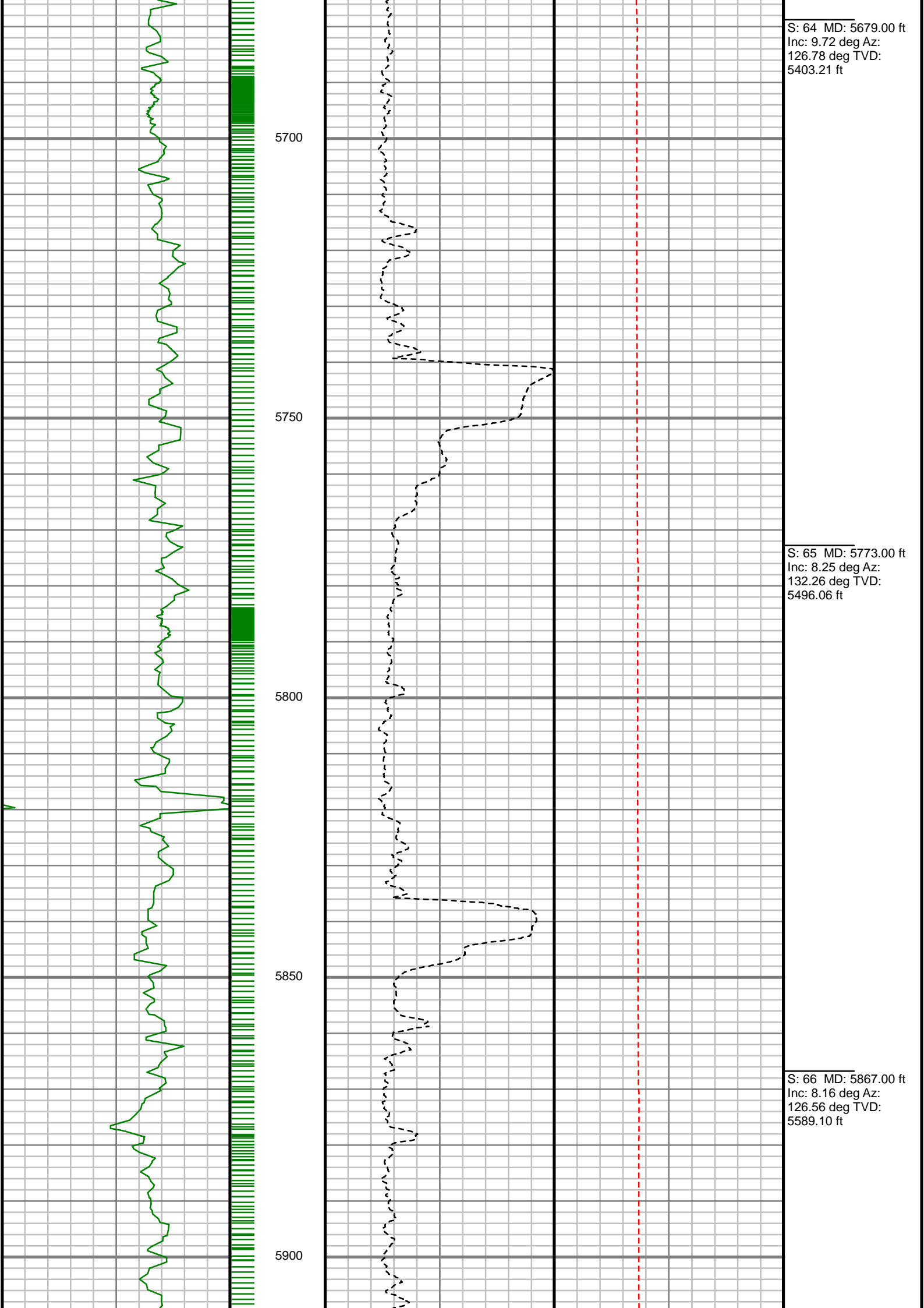


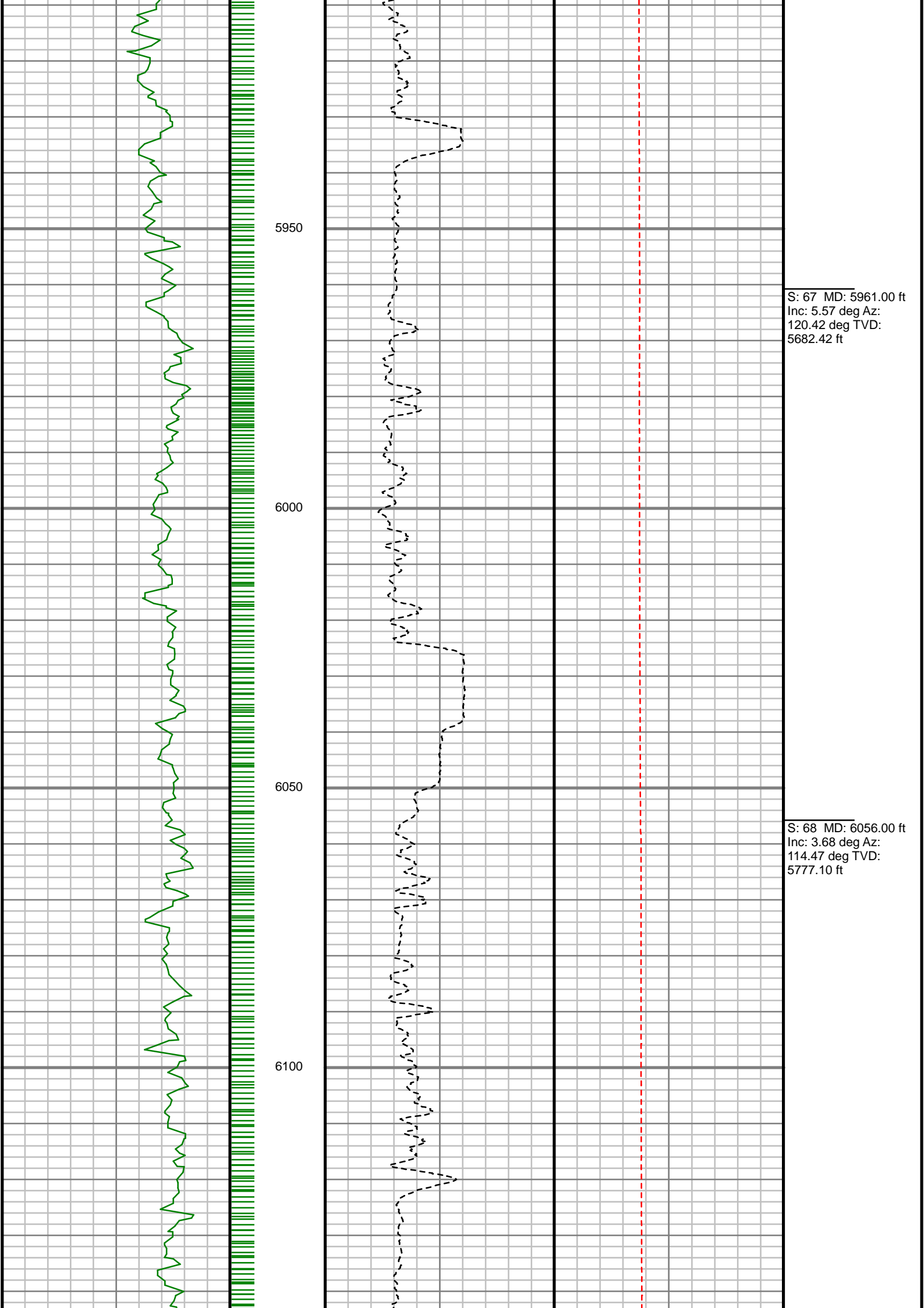


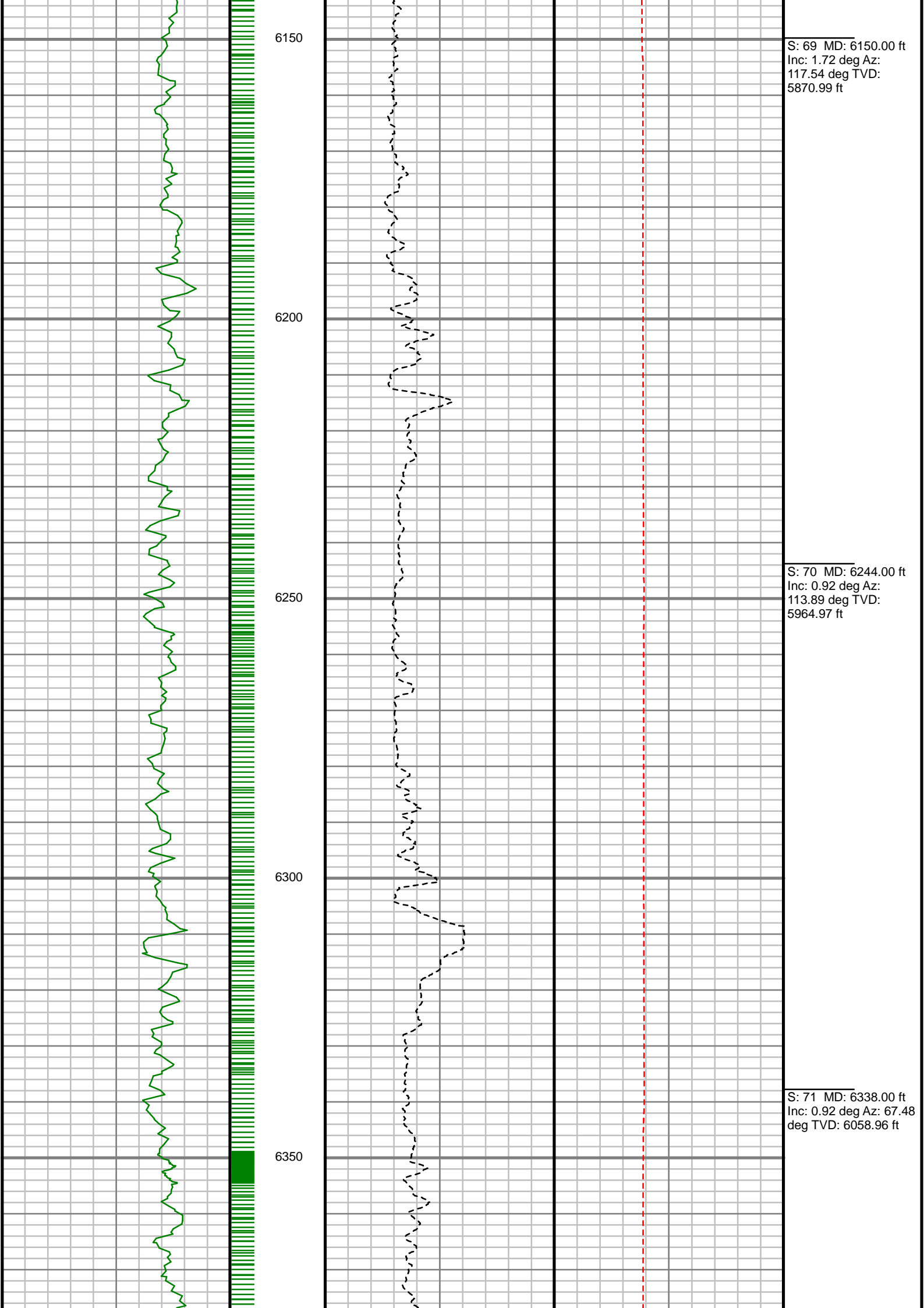


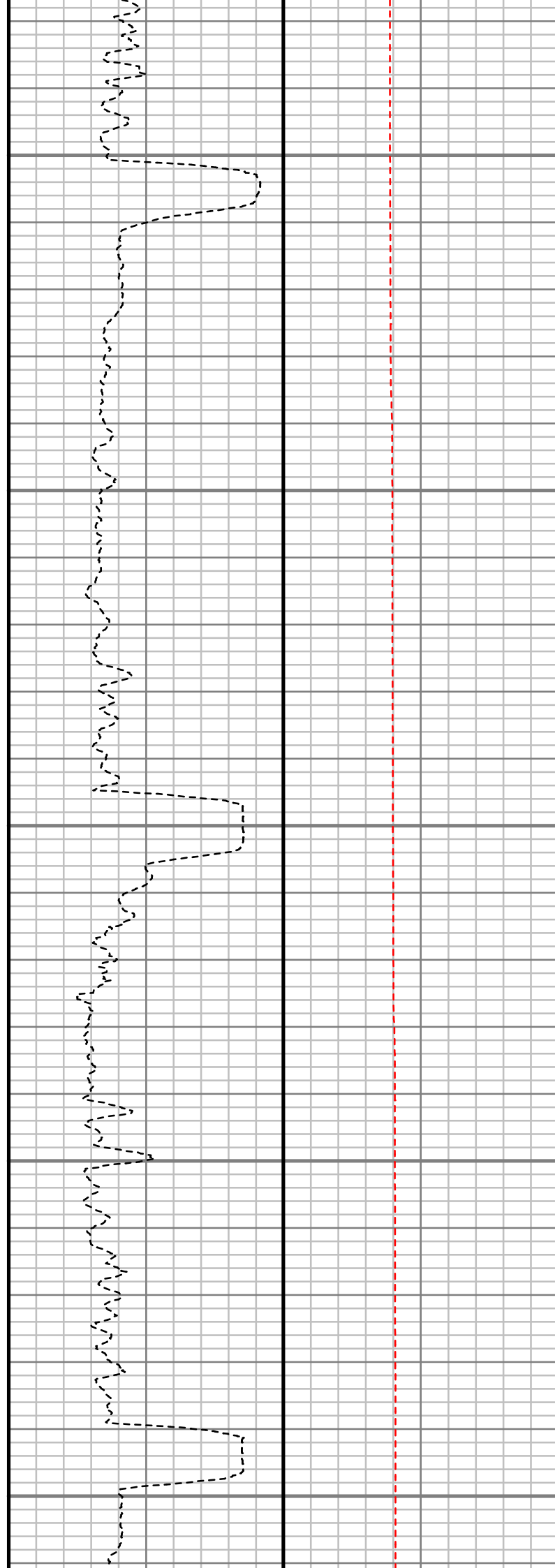
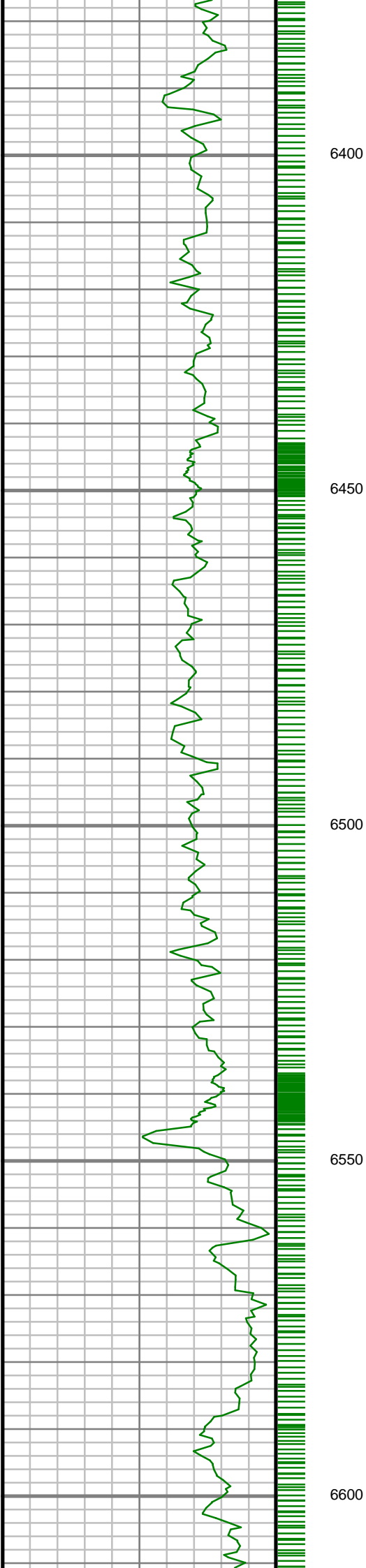
S: 62 MD: 5491.00 ft
Inc: 10.97 deg Az:
128.59 deg TVD:
5218.50 ft

S: 63 MD: 5585.00 ft
Inc: 11.09 deg Az:
125.82 deg TVD:
5310.76 ft



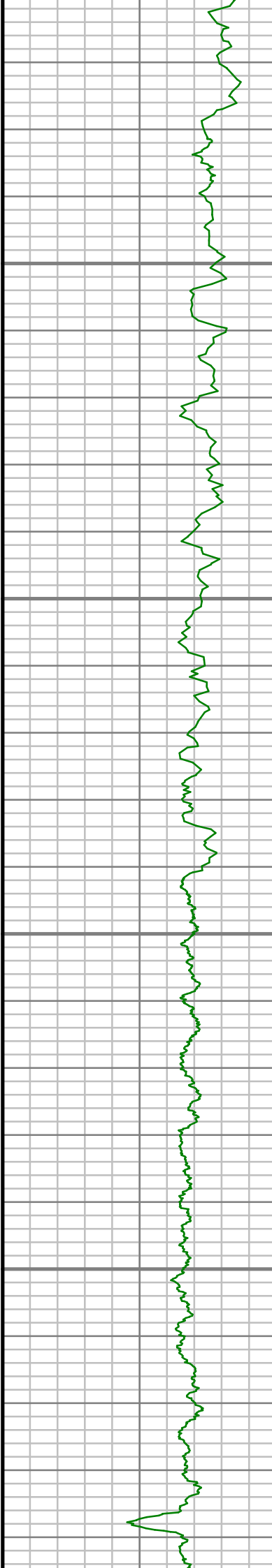






S: 72 MD: 6432.00 ft
Inc: 0.40 deg Az:
203.42 deg TVD:
6152.95 ft

S: 73 MD: 6526.00 ft
Inc: 0.77 deg Az:
181.01 deg TVD:
6246.95 ft

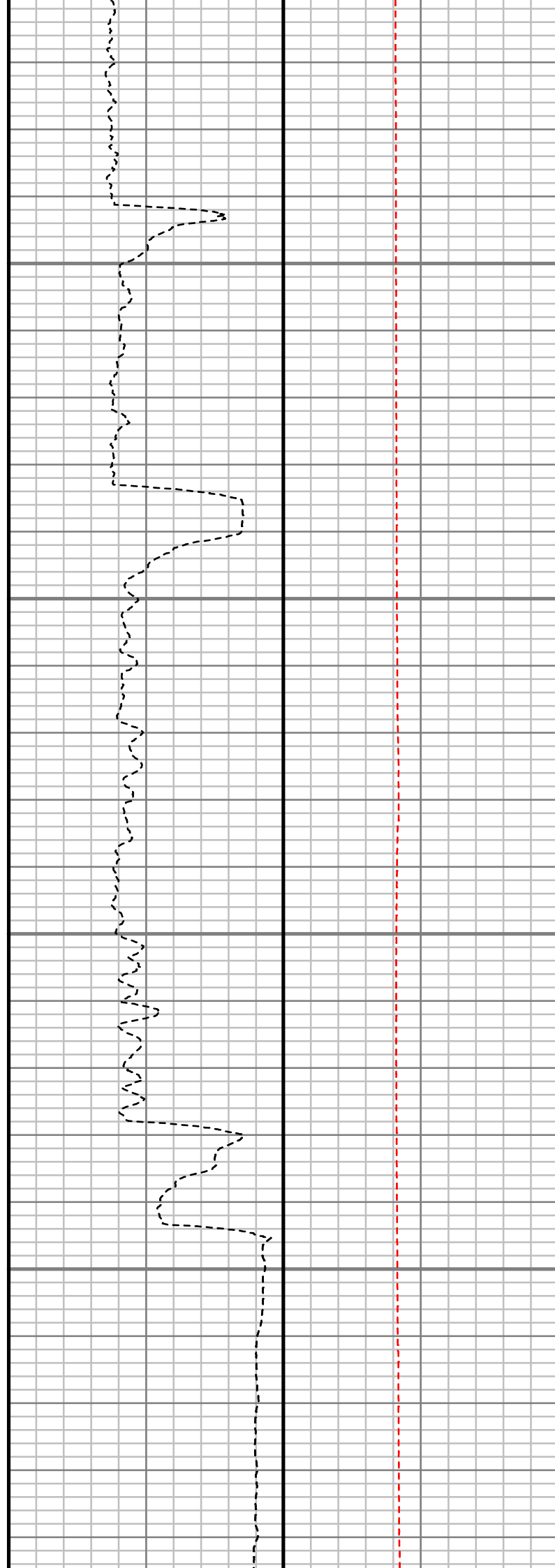


6650

6700

6750

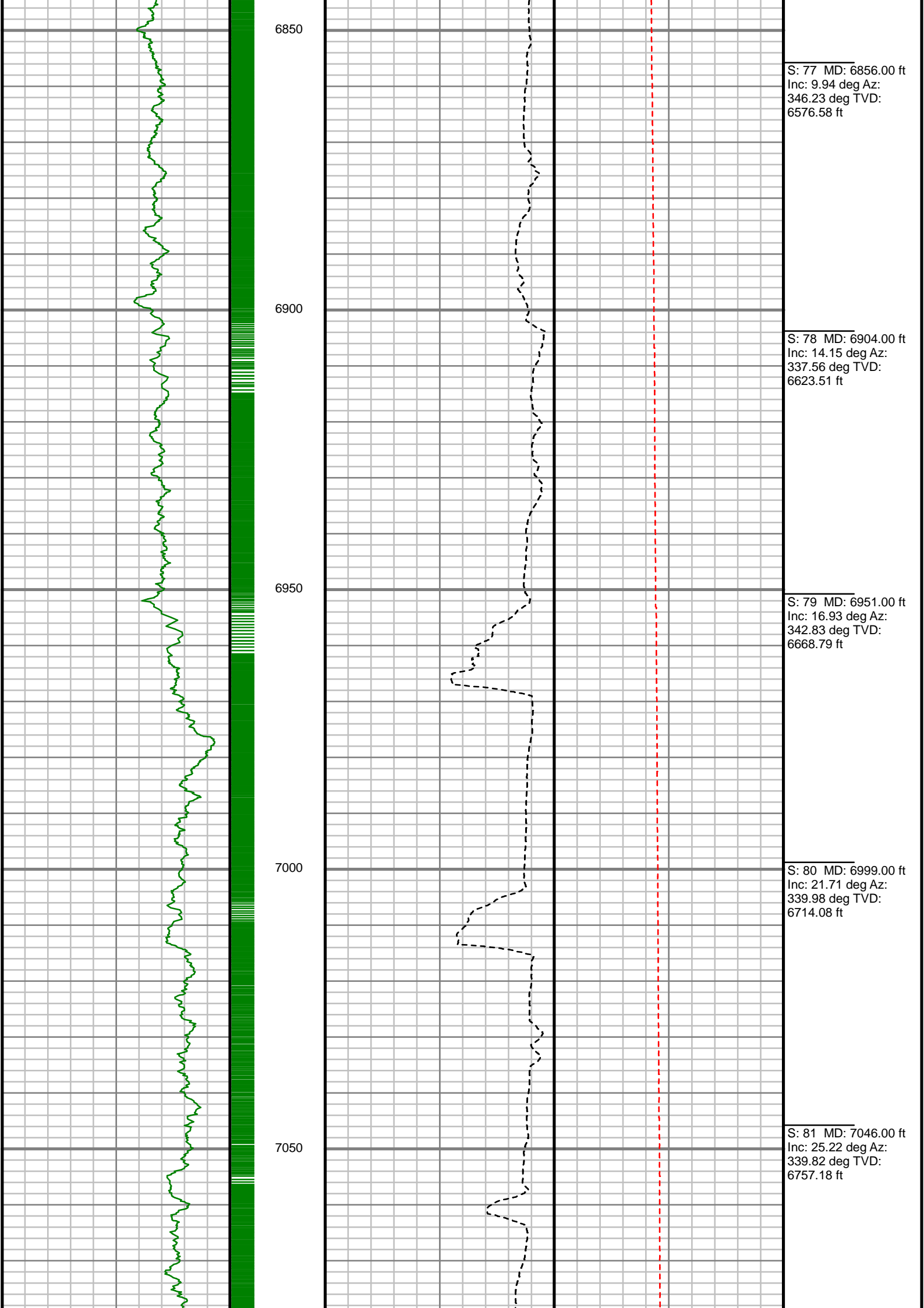
6800



S: 74 MD: 6621.00 ft
Inc: 0.27 deg Az:
180.05 deg TVD:
6341.94 ft

S: 75 MD: 6731.00 ft
Inc: 0.44 deg Az:
299.61 deg TVD:
6451.94 ft

S: 76 MD: 6810.00 ft
Inc: 3.09 deg Az:
339.48 deg TVD:
6530.90 ft



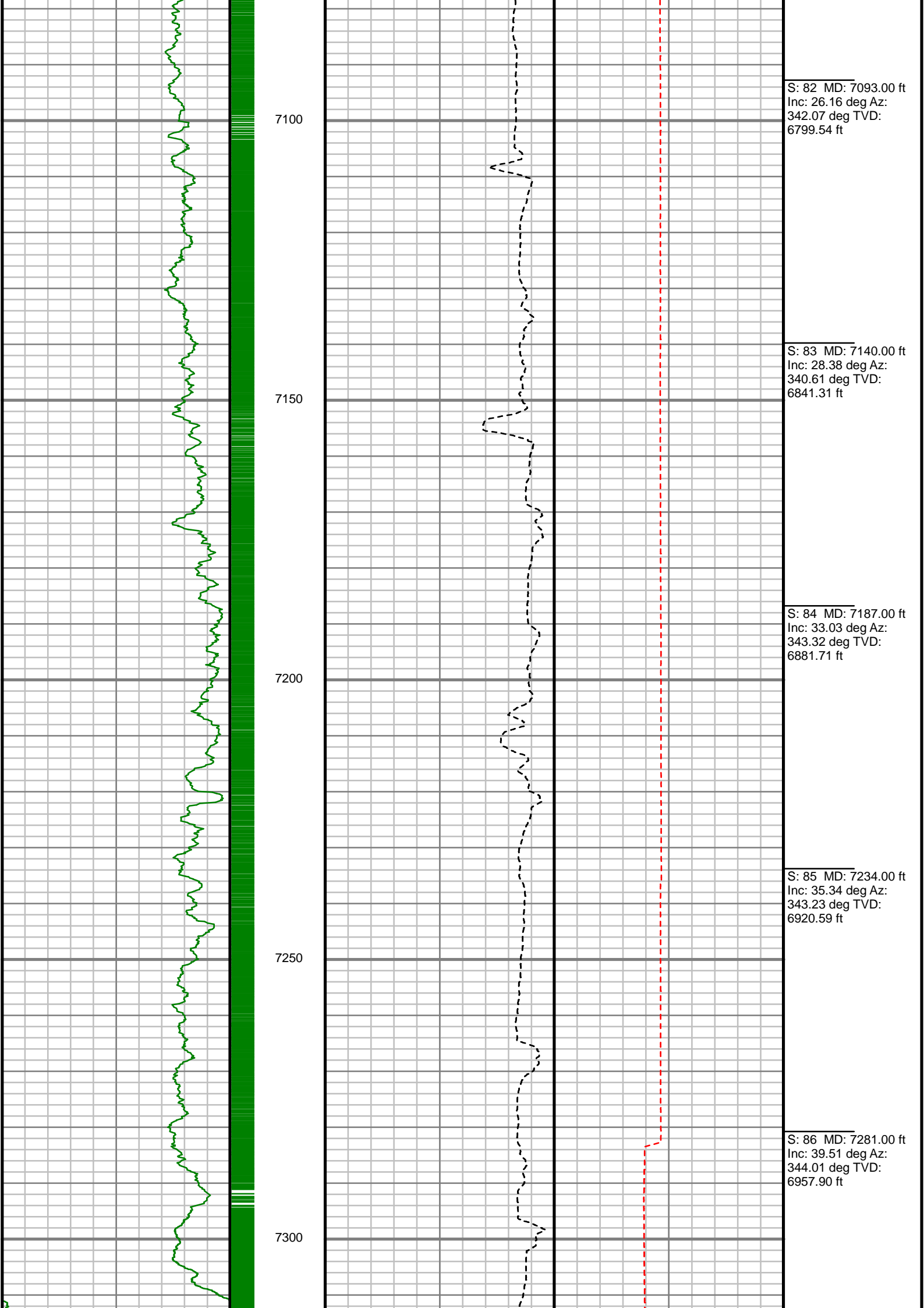
S: 77 MD: 6856.00 ft
Inc: 9.94 deg Az:
346.23 deg TVD:
6576.58 ft

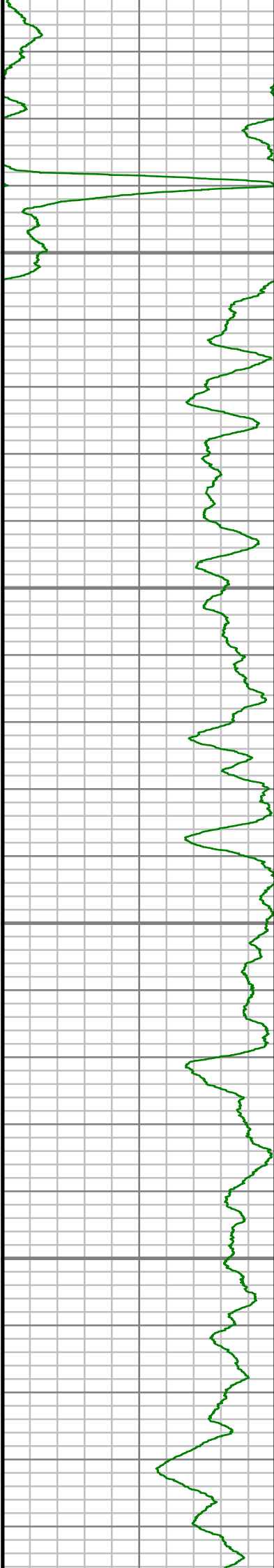
S: 78 MD: 6904.00 ft
Inc: 14.15 deg Az:
337.56 deg TVD:
6623.51 ft

S: 79 MD: 6951.00 ft
Inc: 16.93 deg Az:
342.83 deg TVD:
6668.79 ft

S: 80 MD: 6999.00 ft
Inc: 21.71 deg Az:
339.98 deg TVD:
6714.08 ft

S: 81 MD: 7046.00 ft
Inc: 25.22 deg Az:
339.82 deg TVD:
6757.18 ft



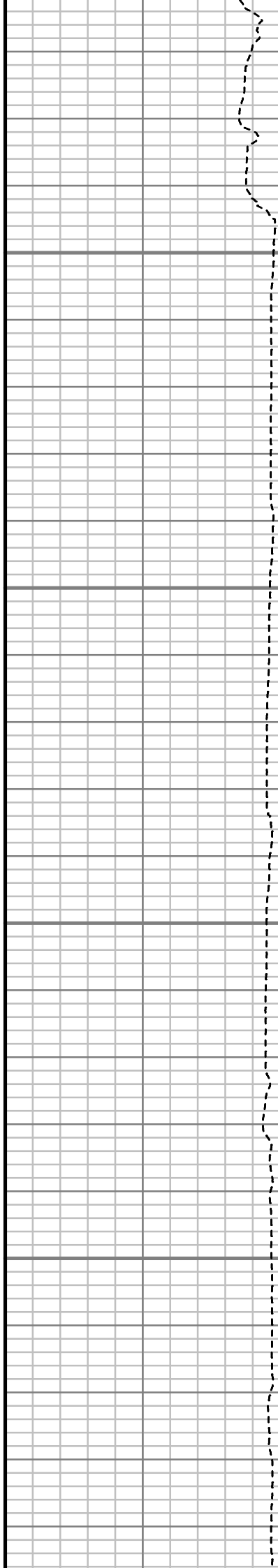


7350

7400

7450

7500



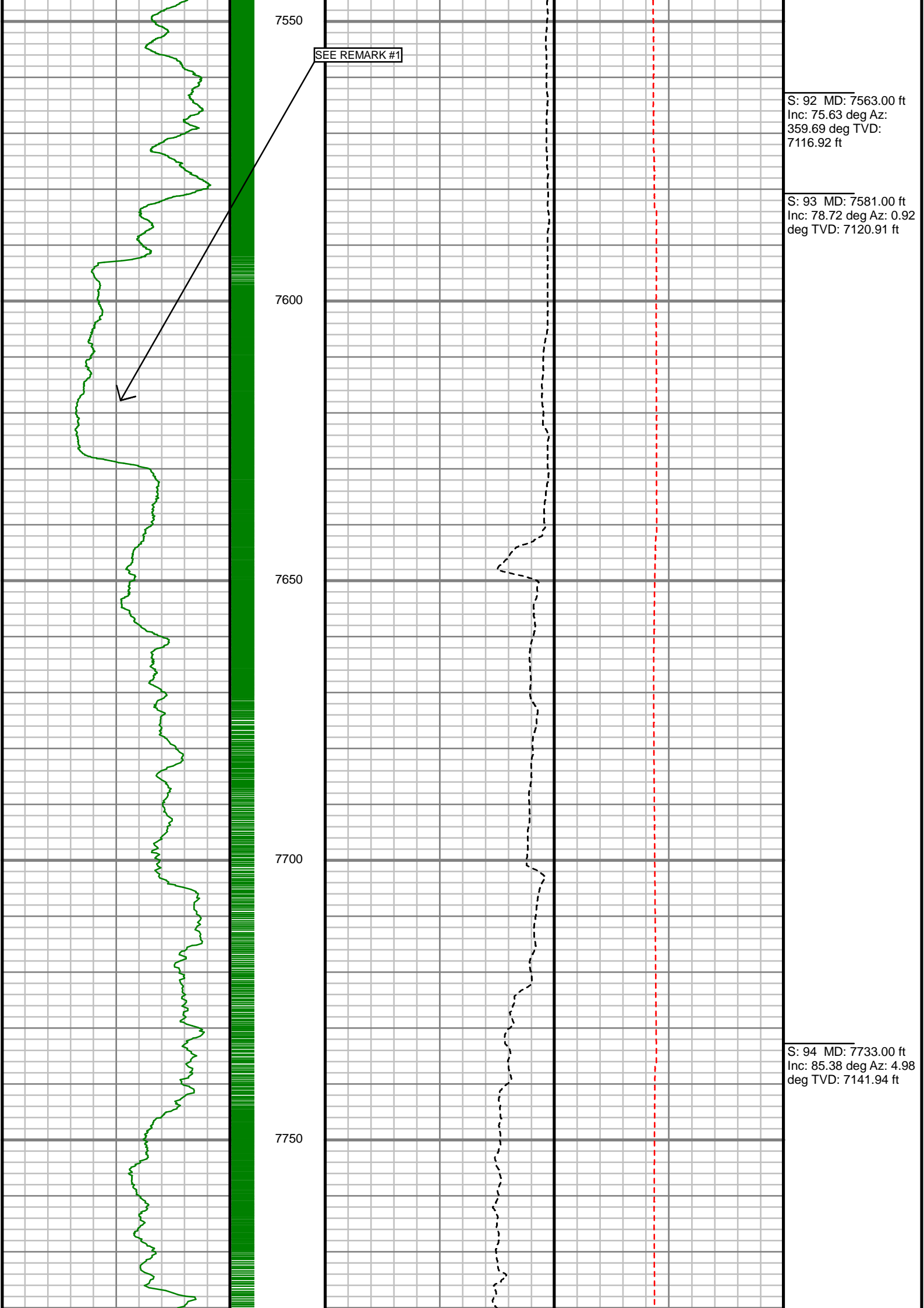
S: 87 MD: 7328.00 ft
Inc: 41.46 deg Az:
344.08 deg TVD:
6993.65 ft

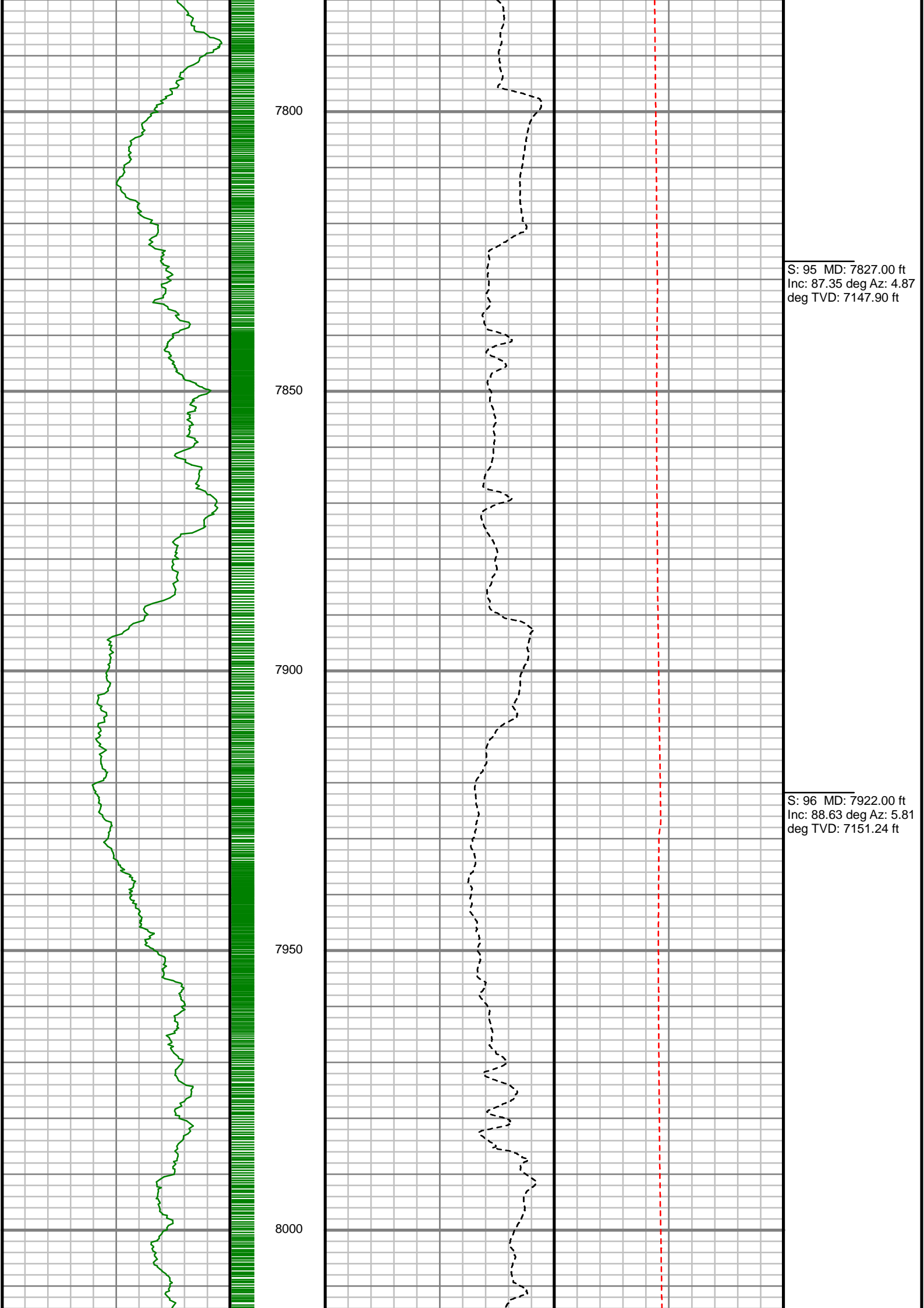
S: 88 MD: 7375.00 ft
Inc: 47.36 deg Az:
349.42 deg TVD:
7027.22 ft

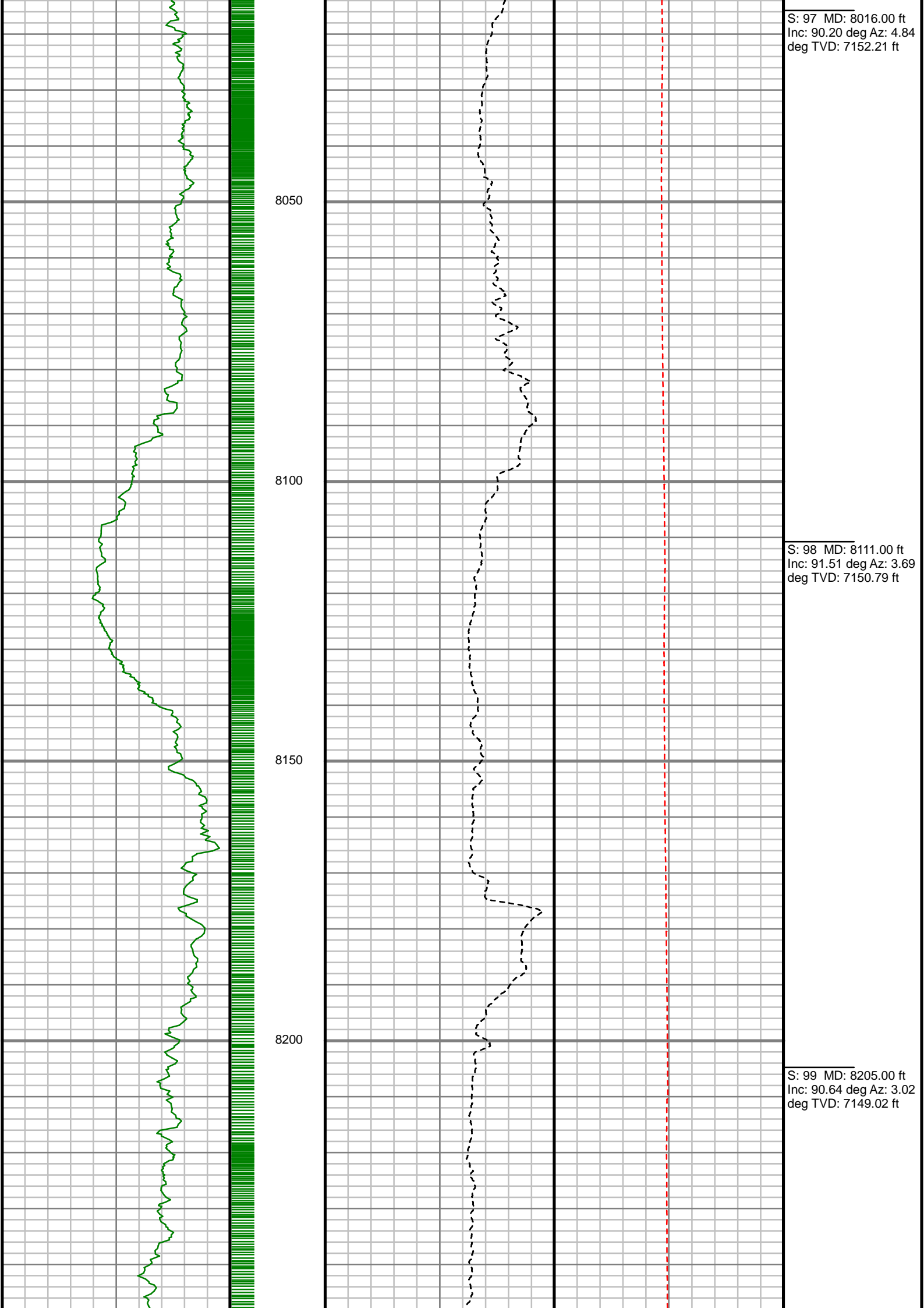
S: 89 MD: 7422.00 ft
Inc: 53.75 deg Az:
356.55 deg TVD:
7057.08 ft

S: 90 MD: 7469.00 ft
Inc: 61.62 deg Az:
358.53 deg TVD:
7082.19 ft

S: 91 MD: 7516.00 ft
Inc: 67.91 deg Az:
359.17 deg TVD:
7102.22 ft



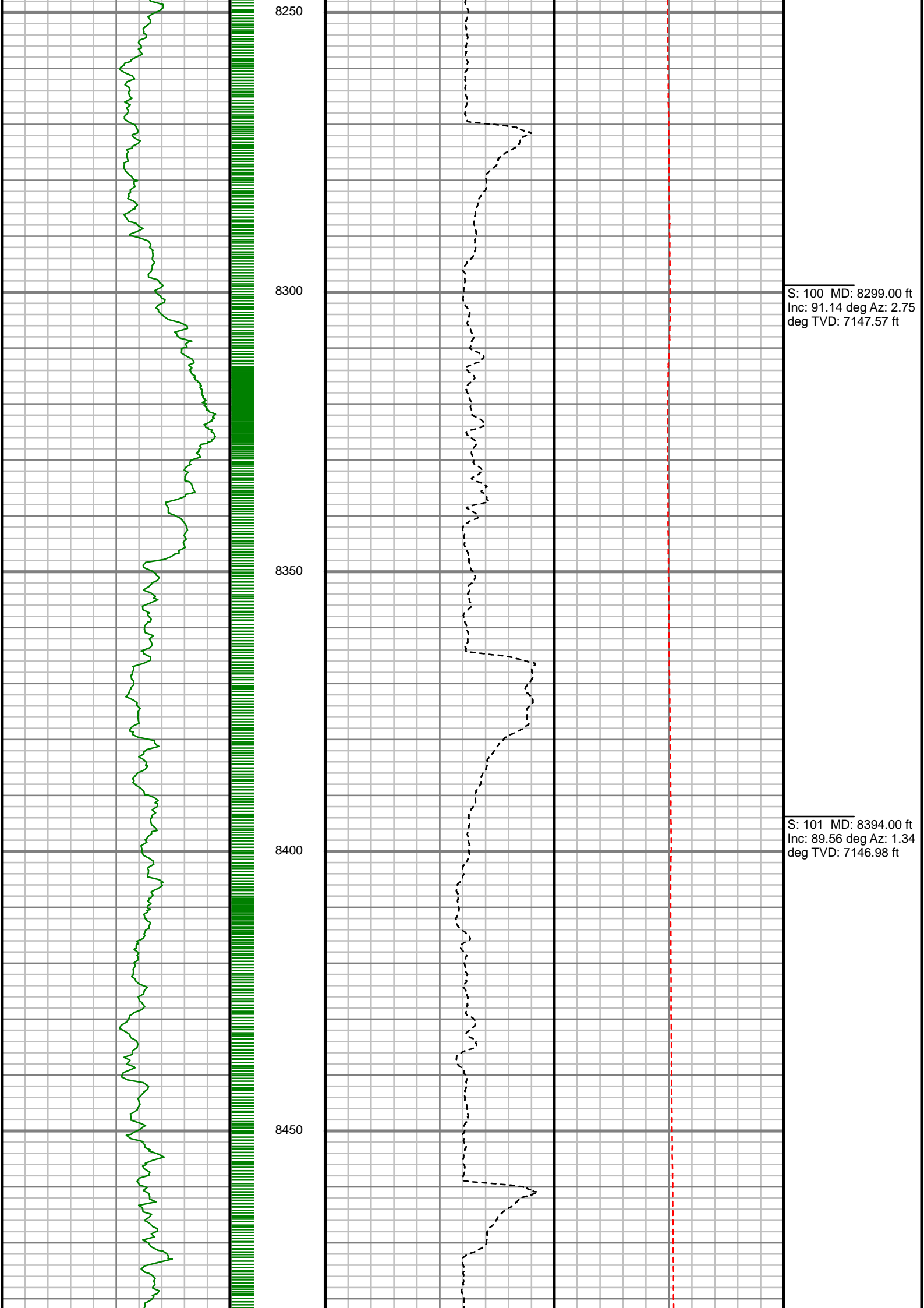


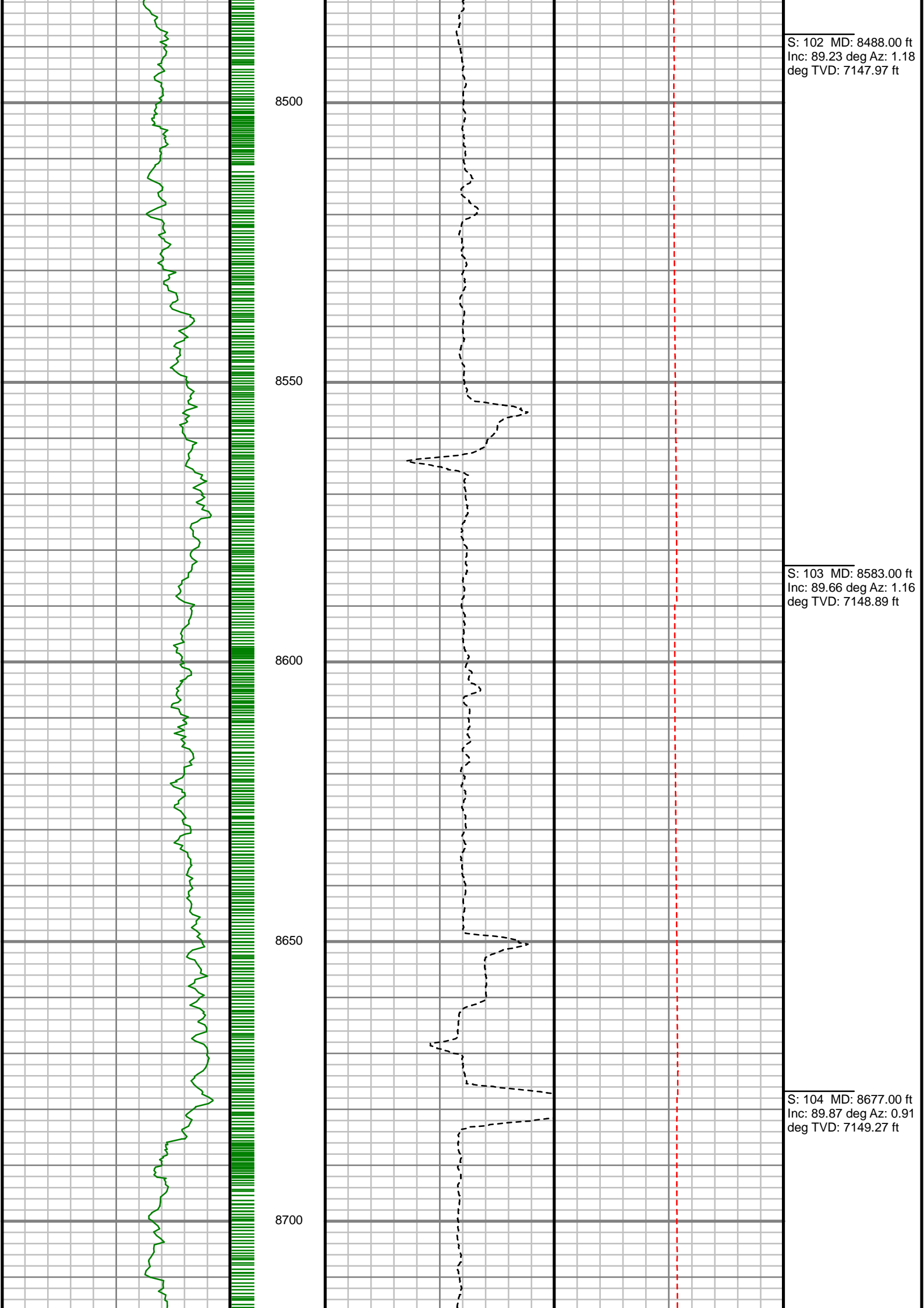


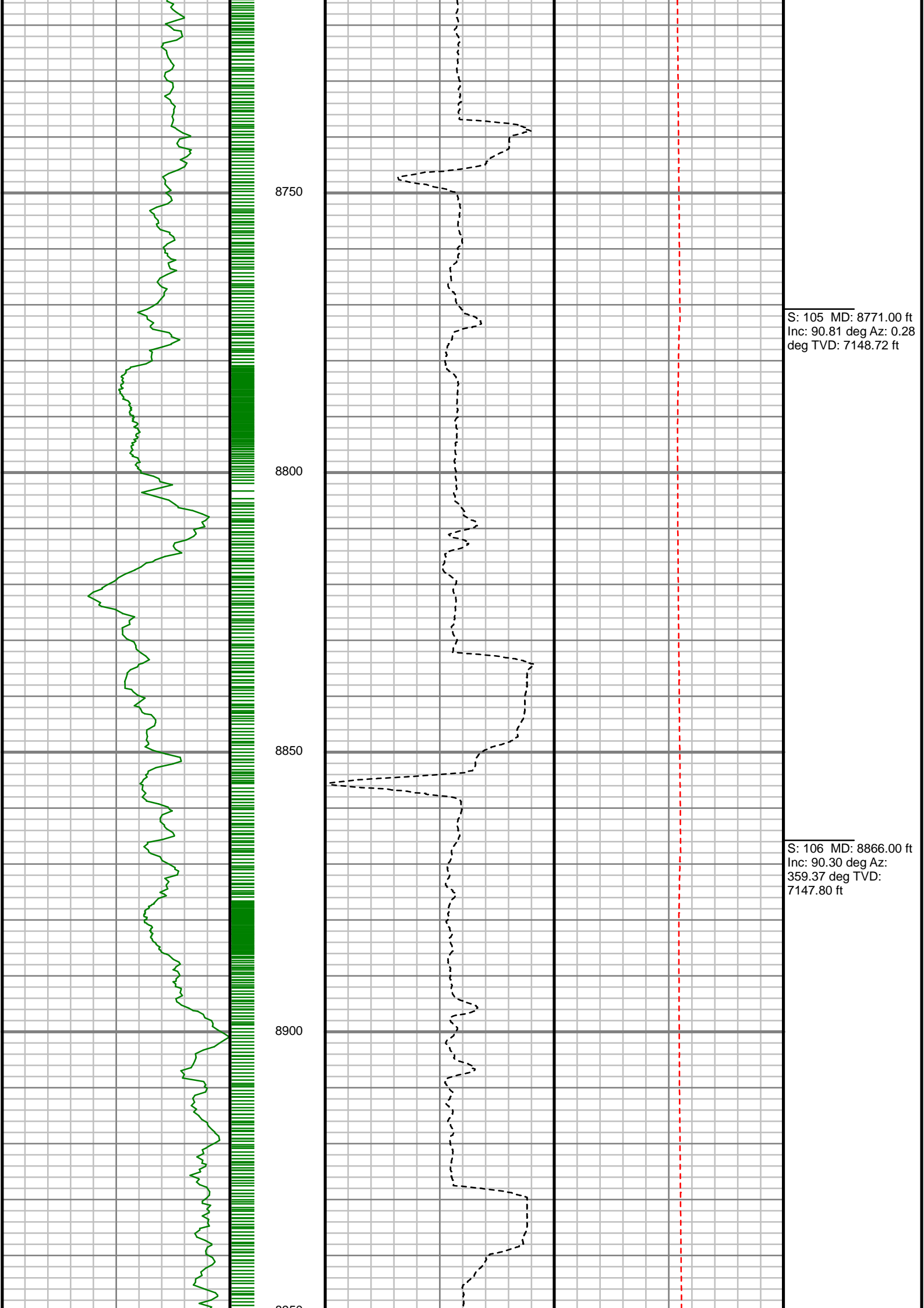
S: 97 MD: 8016.00 ft
Inc: 90.20 deg Az: 4.84
deg TVD: 7152.21 ft

S: 98 MD: 8111.00 ft
Inc: 91.51 deg Az: 3.69
deg TVD: 7150.79 ft

S: 99 MD: 8205.00 ft
Inc: 90.64 deg Az: 3.02
deg TVD: 7149.02 ft

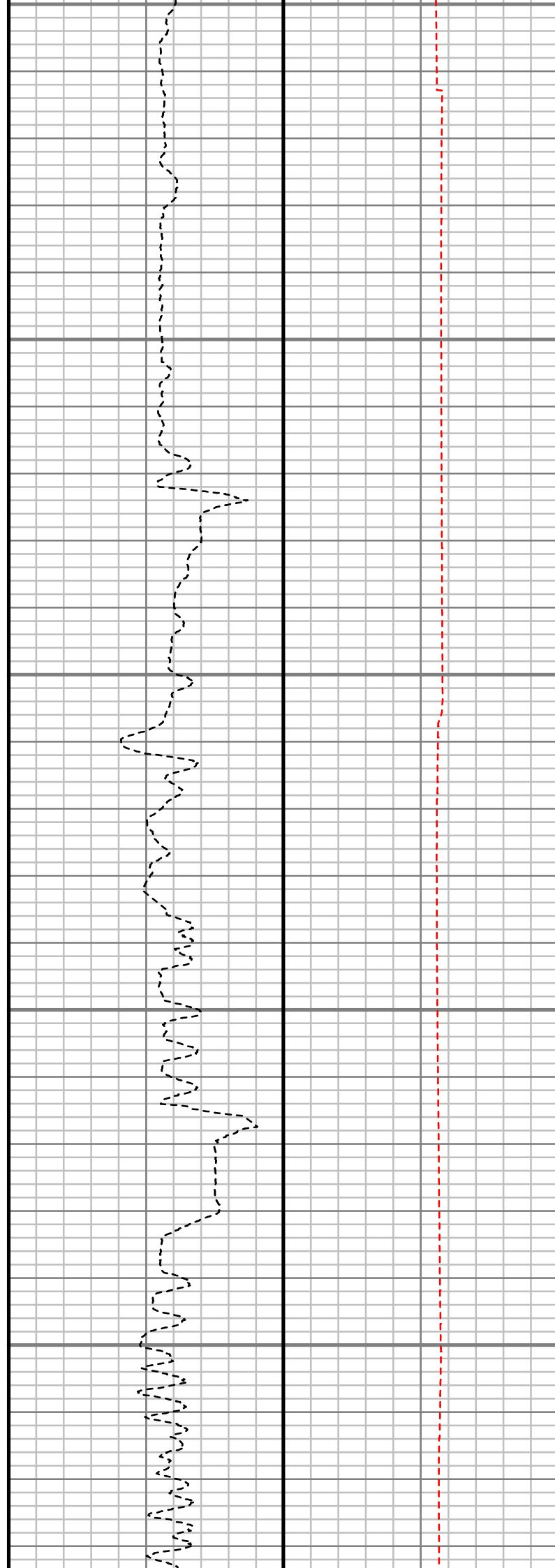
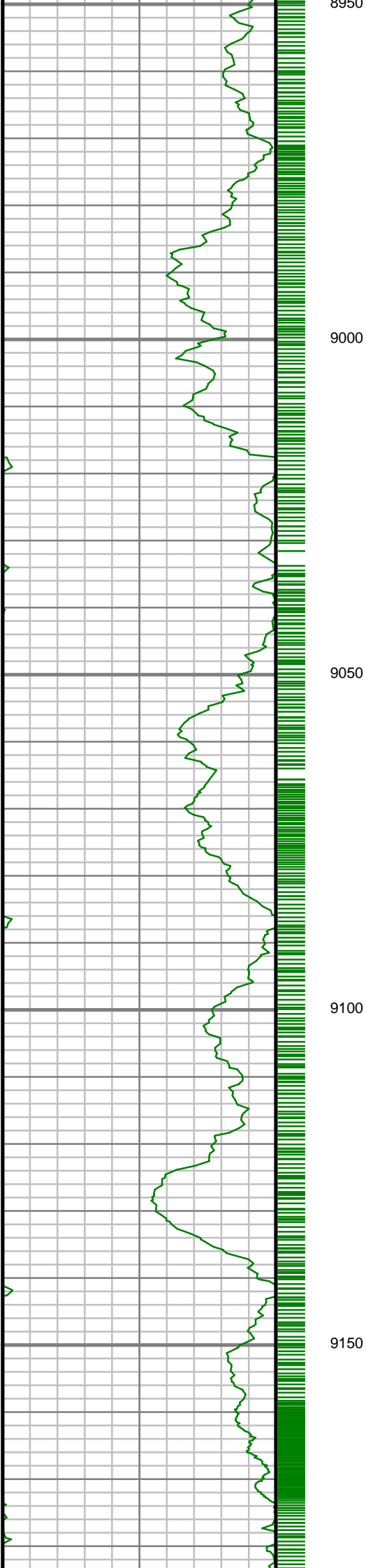






S: 105 MD: 8771.00 ft
Inc: 90.81 deg Az: 0.28
deg TVD: 7148.72 ft

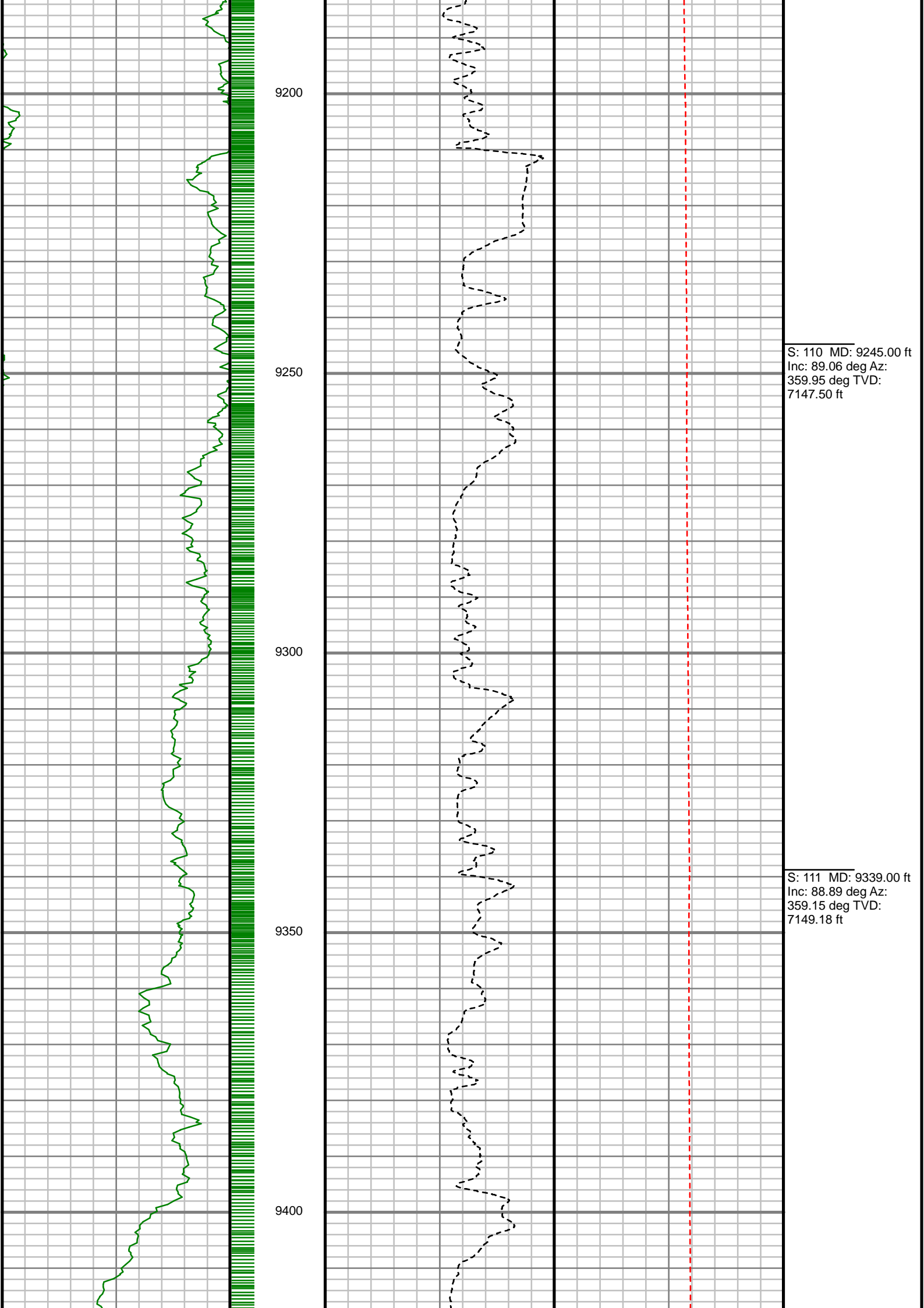
S: 106 MD: 8866.00 ft
Inc: 90.30 deg Az:
359.37 deg TVD:
7147.80 ft

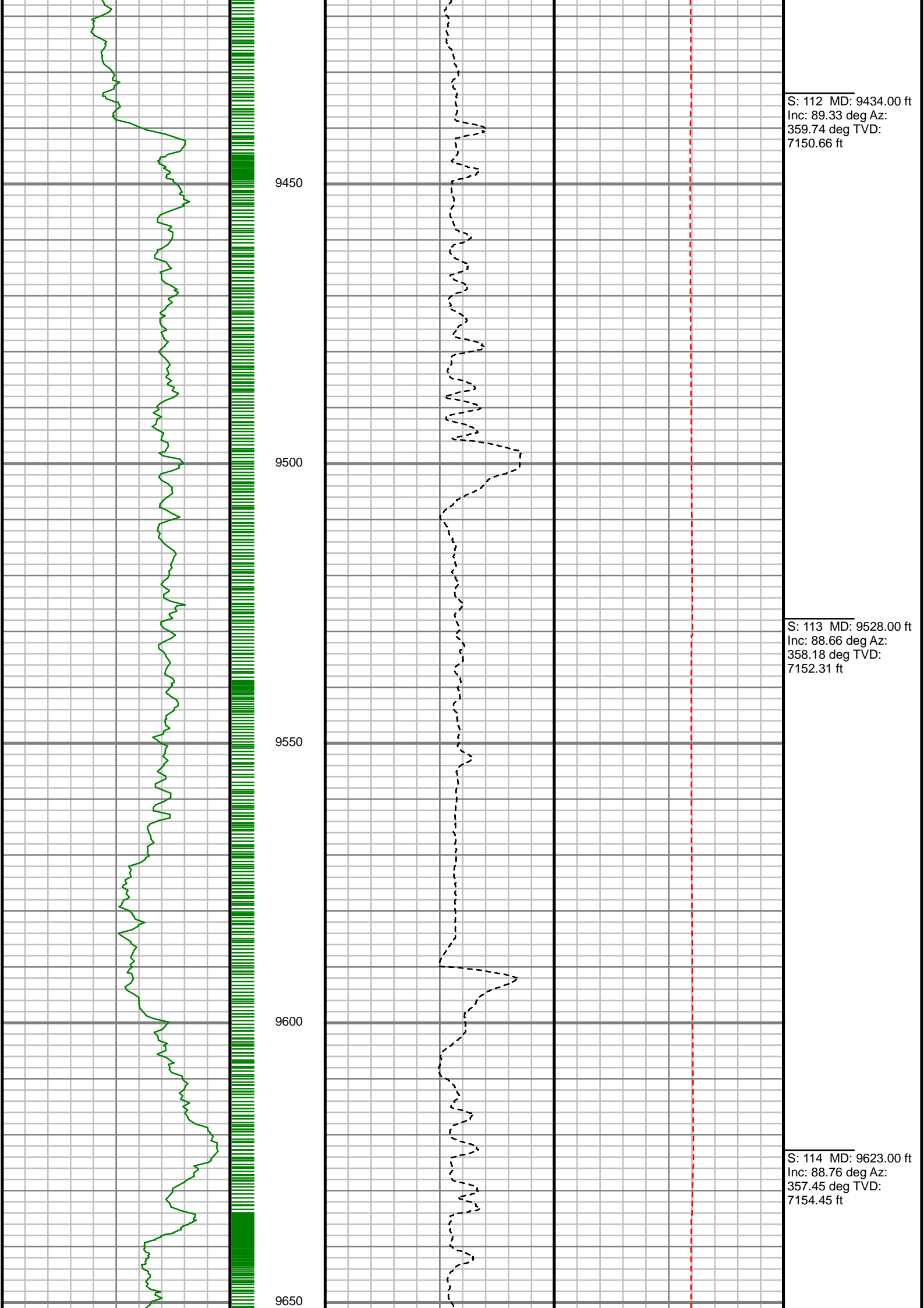


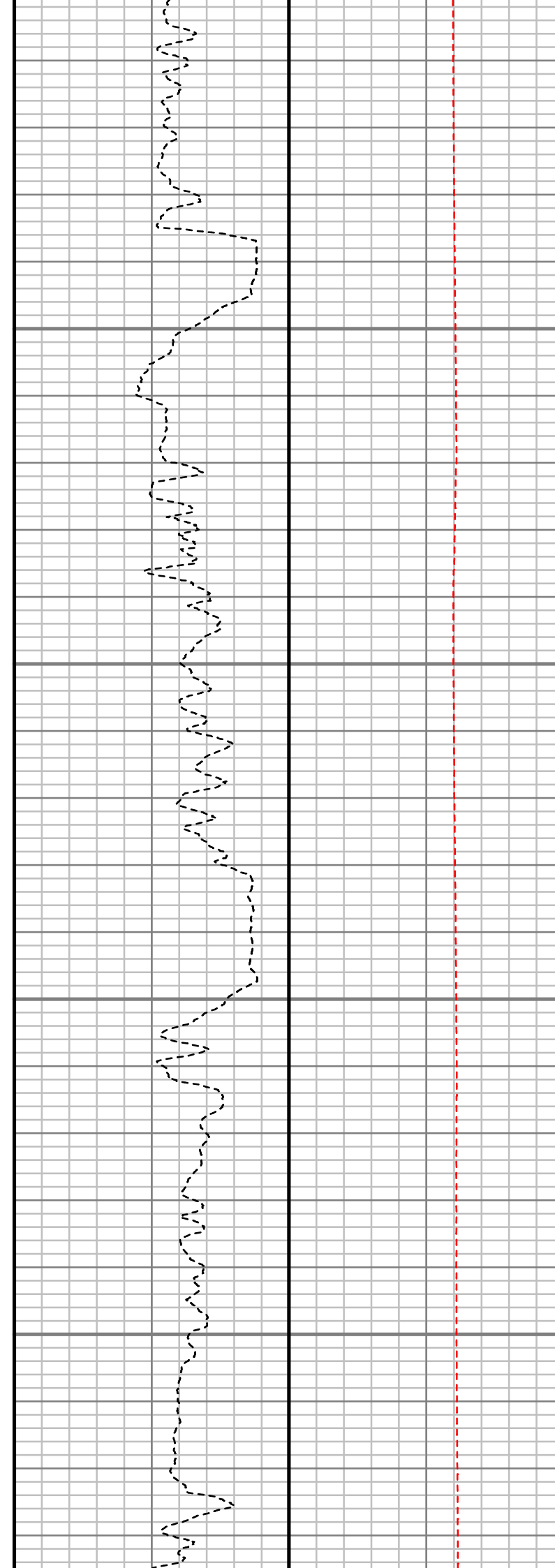
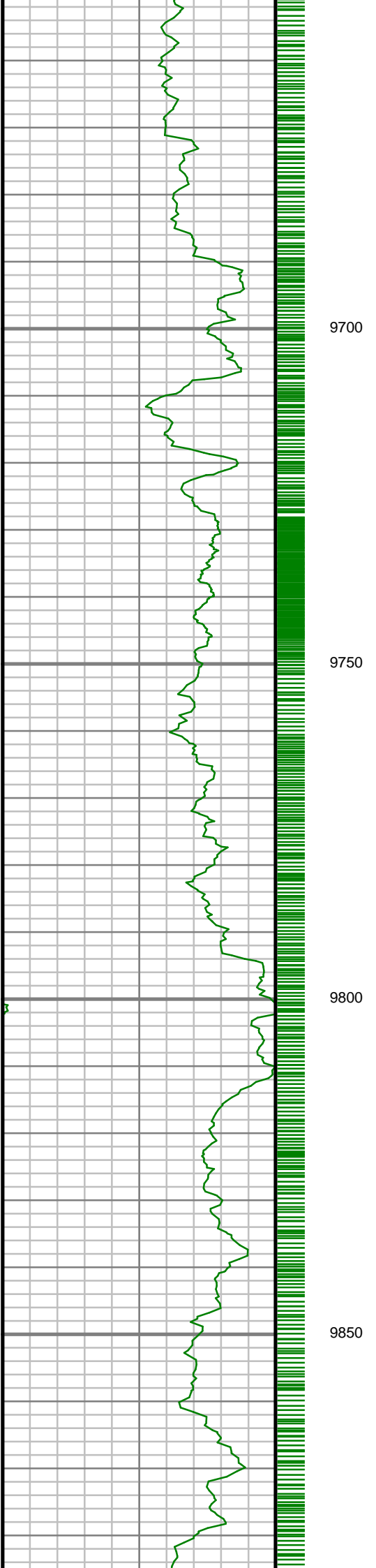
S: 107 MD: 8961.00 ft
Inc: 90.07 deg Az:
359.77 deg TVD:
7147.50 ft

S: 108 MD: 9055.00 ft
Inc: 90.57 deg Az:
358.66 deg TVD:
7146.97 ft

S: 109 MD: 9150.00 ft
Inc: 89.87 deg Az:
358.87 deg TVD:
7146.61 ft

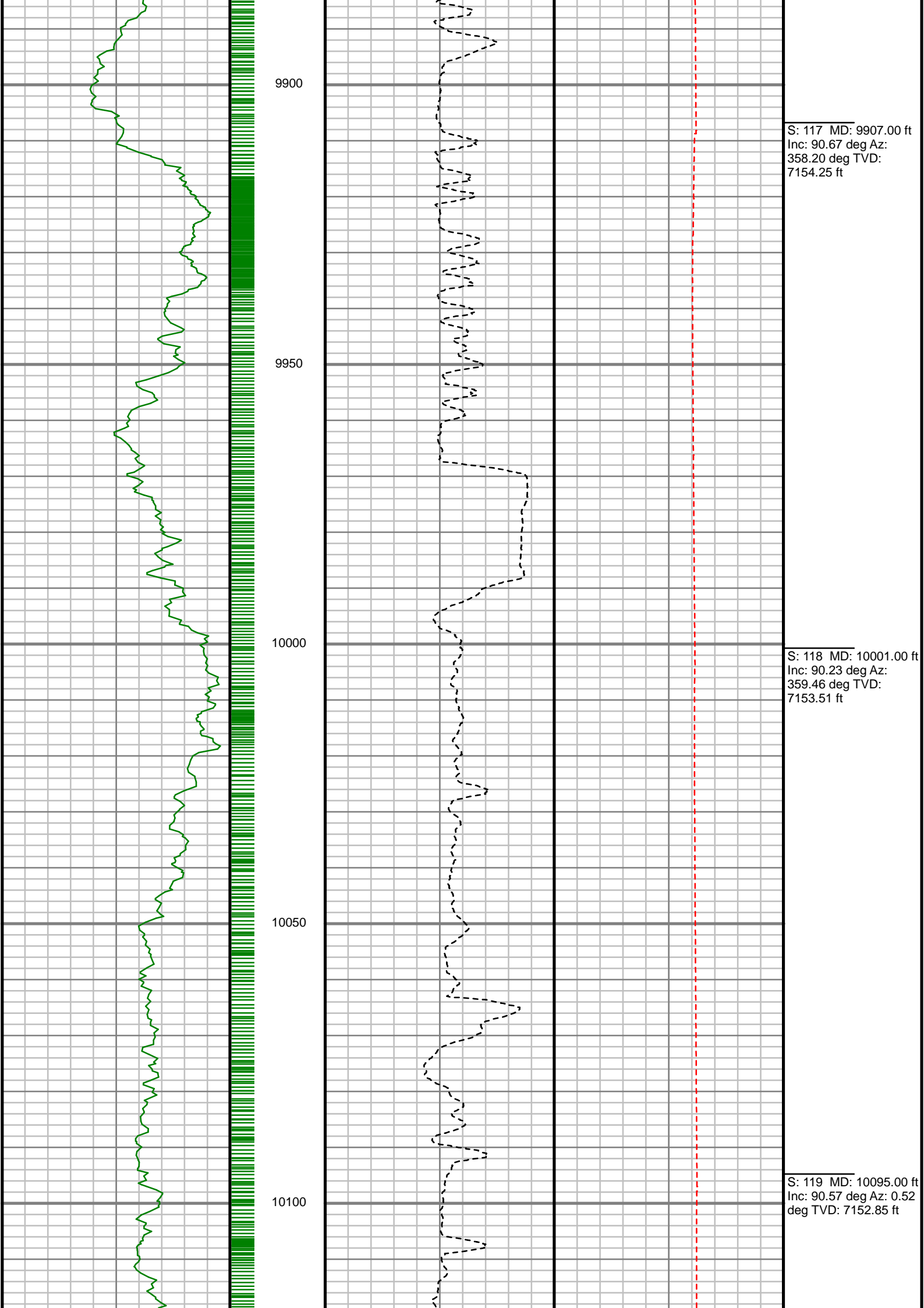


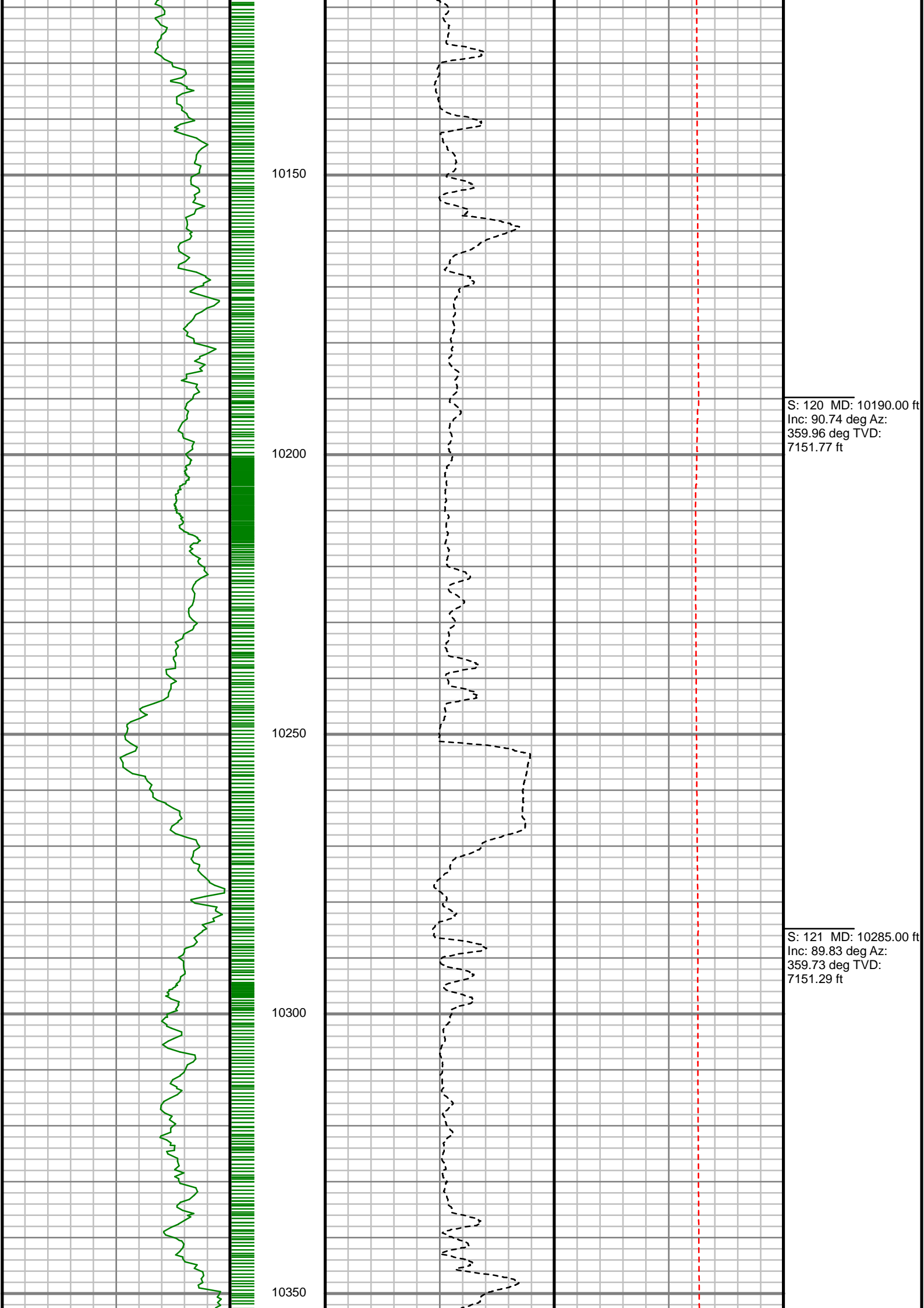


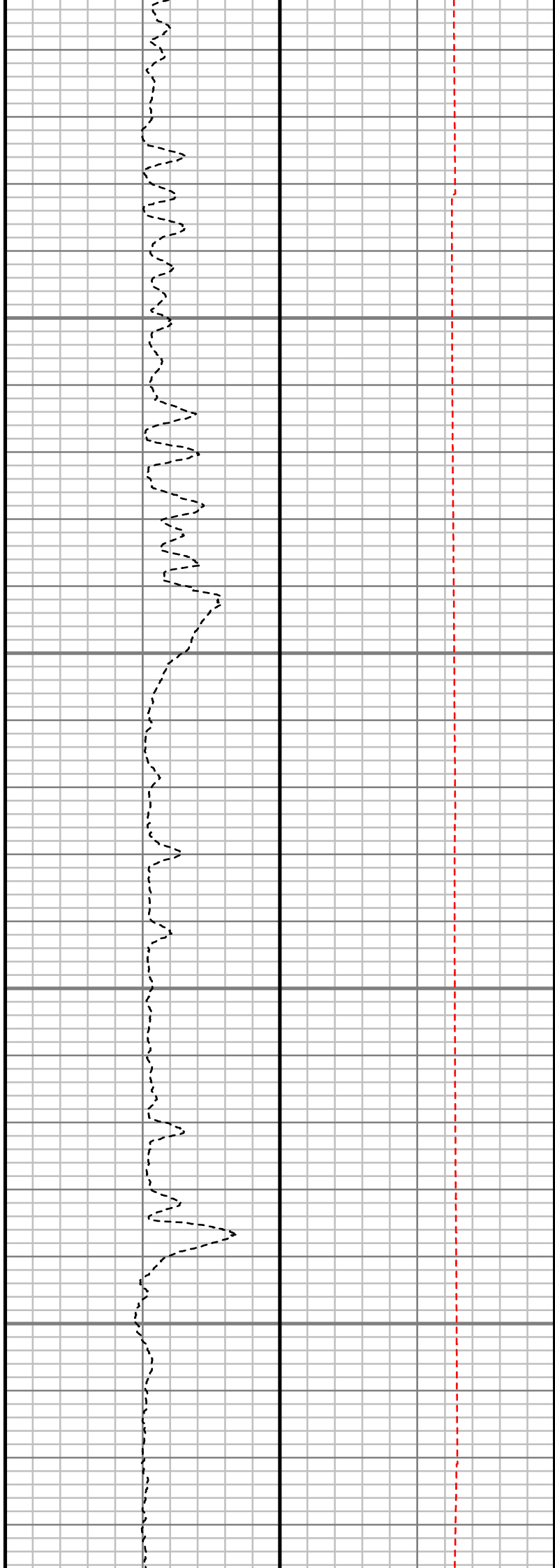
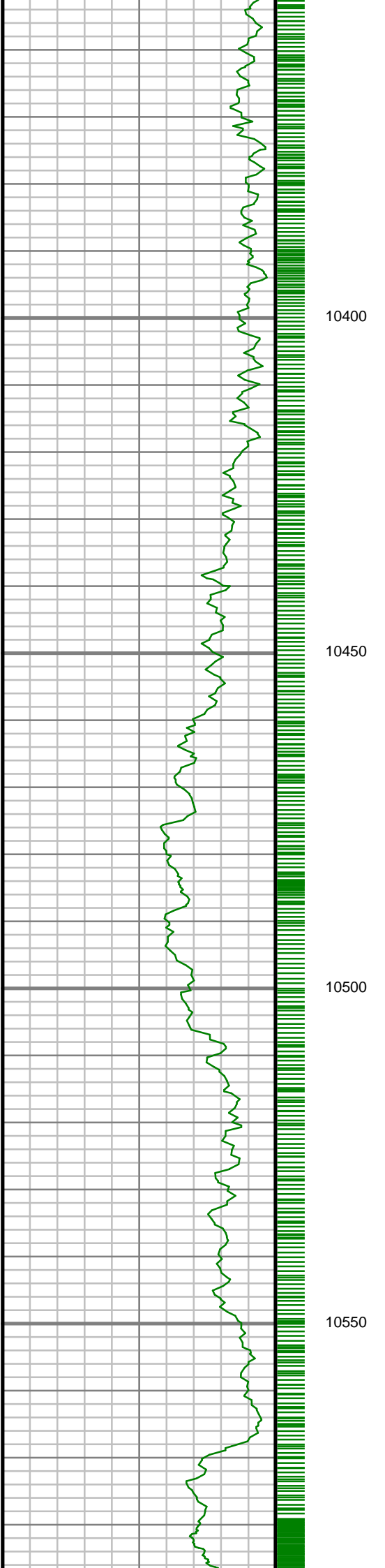


S: 115 MD: 9717.00 ft
Inc: 89.97 deg Az:
356.99 deg TVD:
7155.50 ft

S: 116 MD: 9812.00 ft
Inc: 90.44 deg Az:
359.52 deg TVD:
7155.17 ft



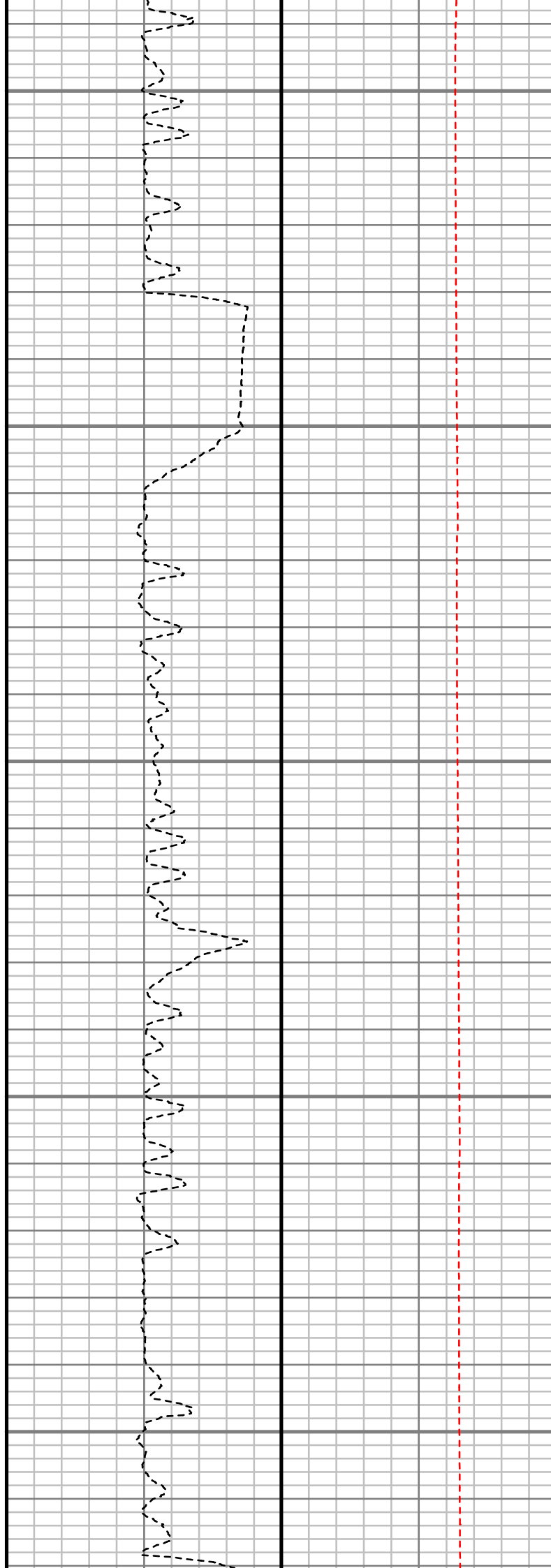
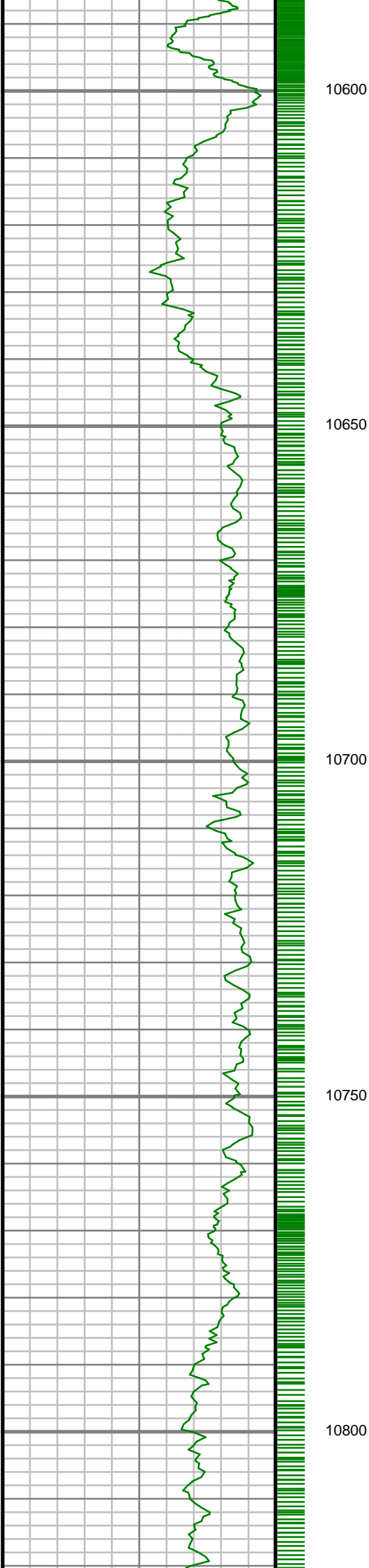




S: 122 MD: 10379.00 ft
Inc: 90.00 deg Az: 0.47
deg TVD: 7151.43 ft

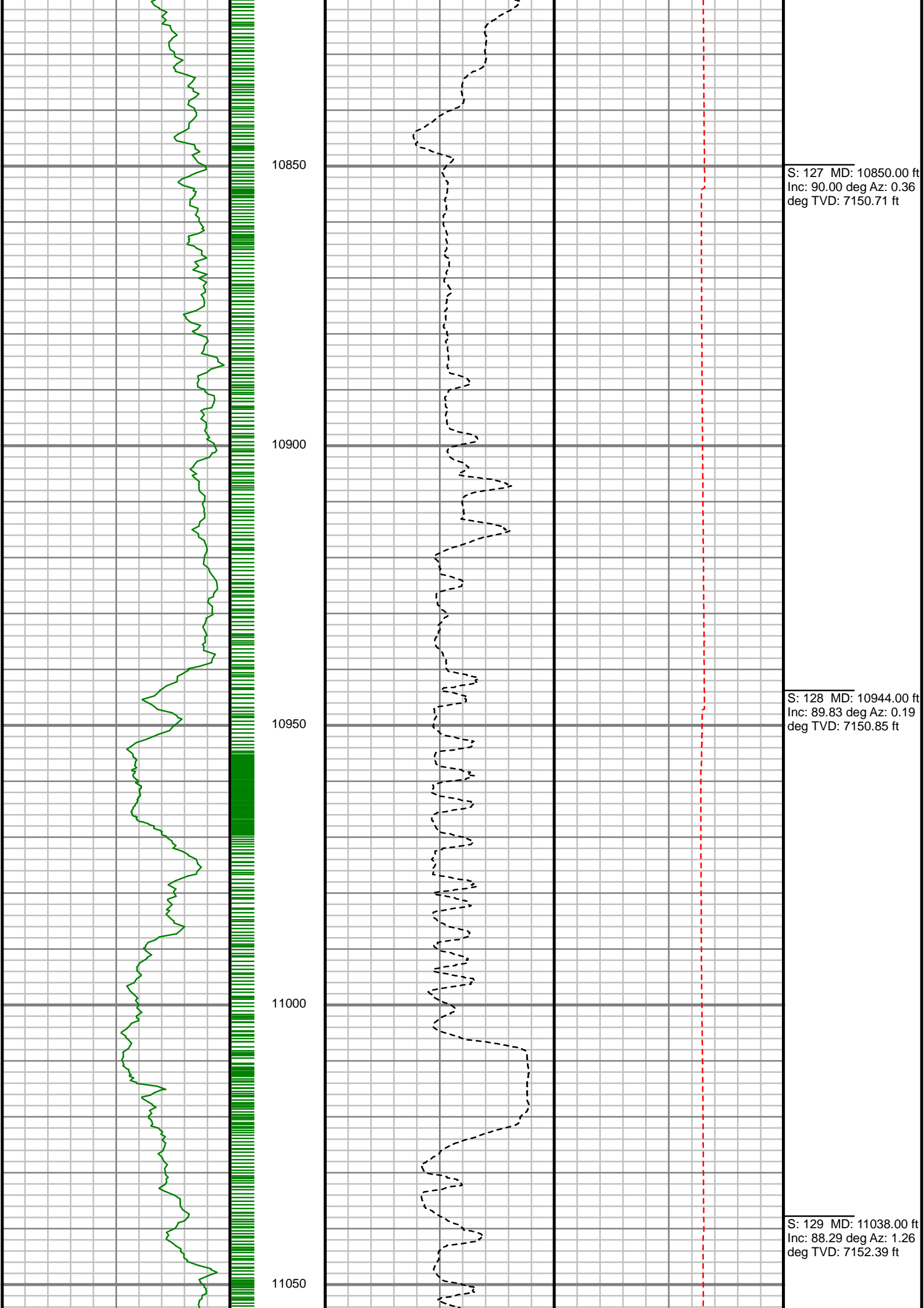
S: 123 MD: 10474.00 ft
Inc: 90.17 deg Az:
359.70 deg TVD:
7151.29 ft

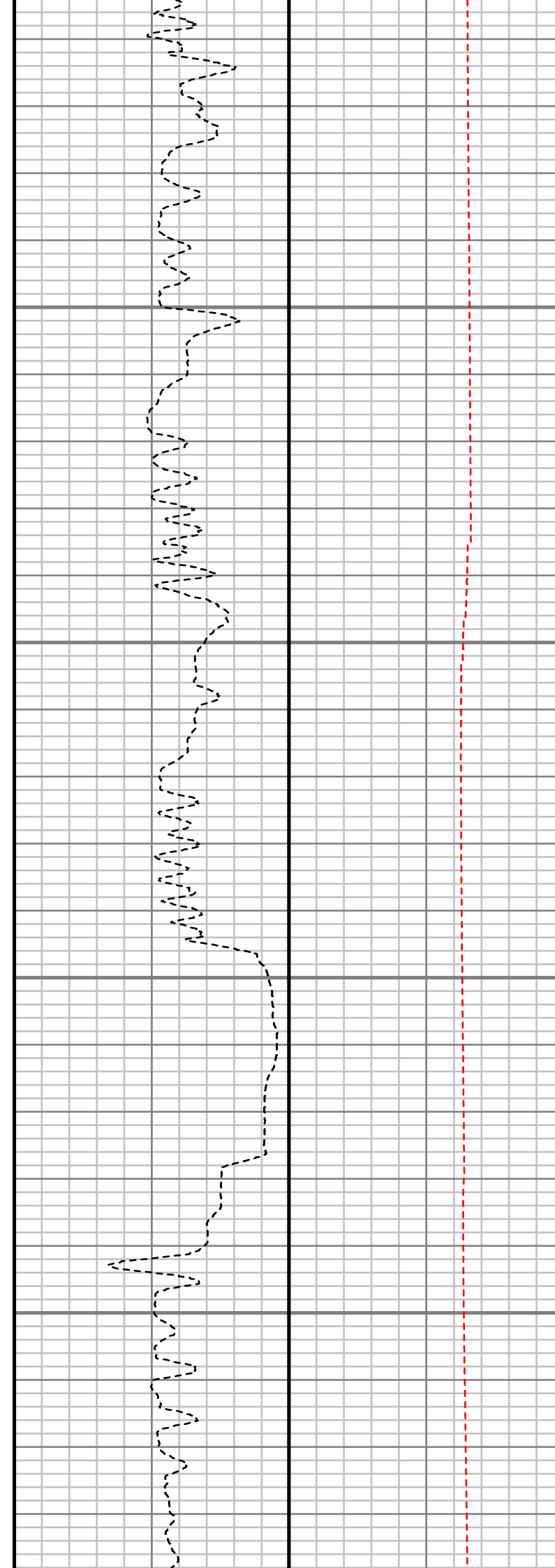
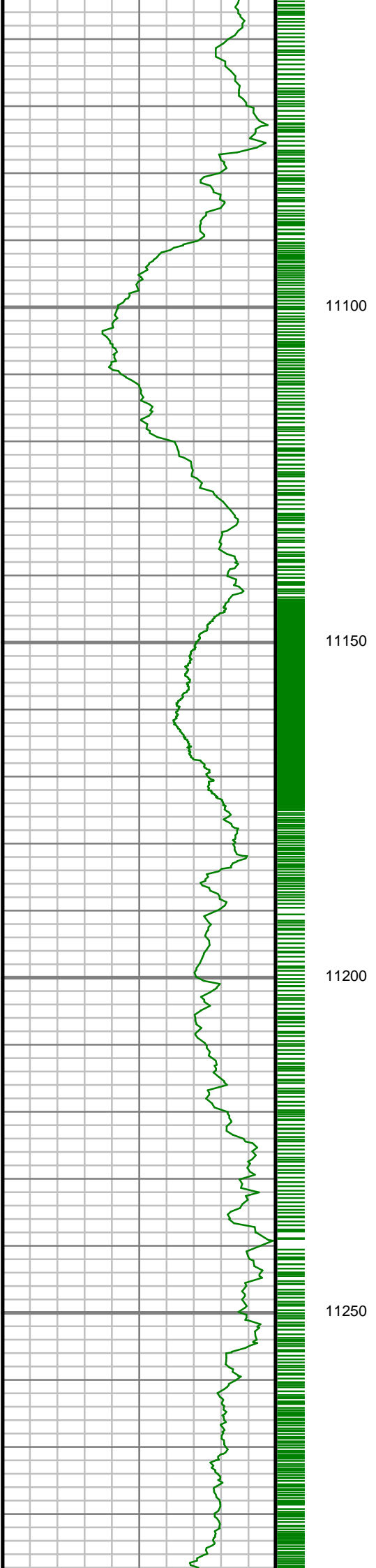
S: 124 MD: 10568.00 ft
Inc: 90.84 deg Az:
359.40 deg TVD:
7150.46 ft



S: 125 MD: 10662.00 ft
Inc: 89.80 deg Az: 0.12
deg TVD: 7149.94 ft

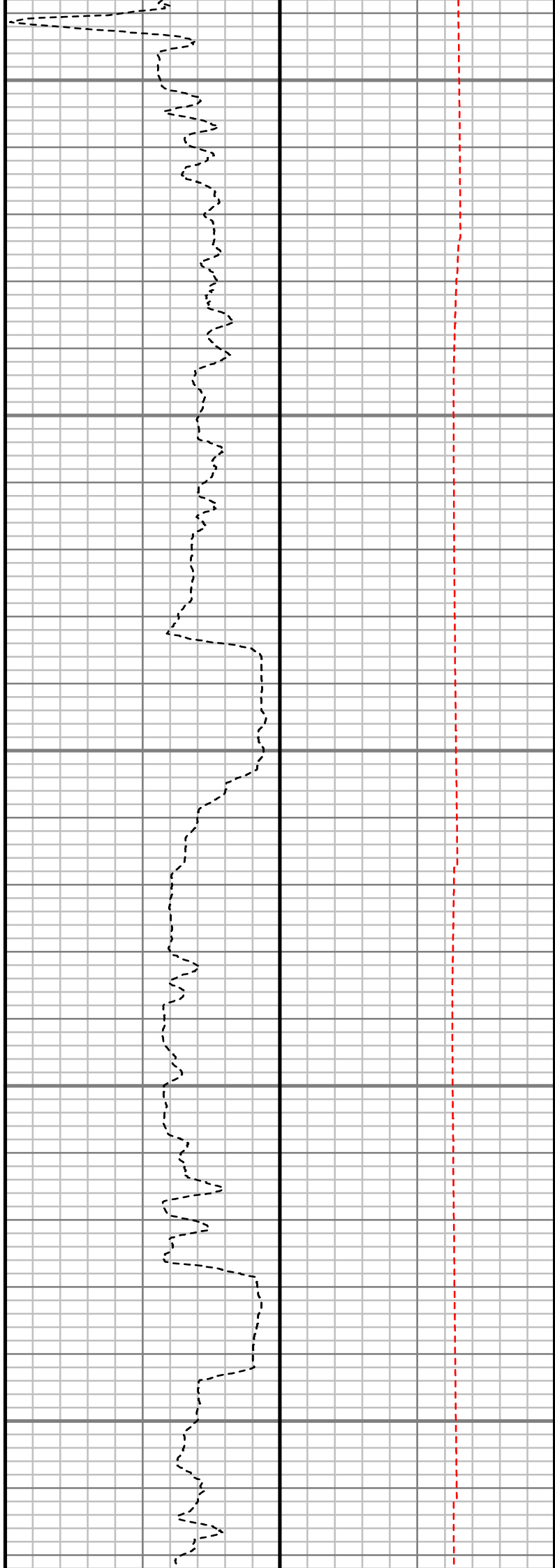
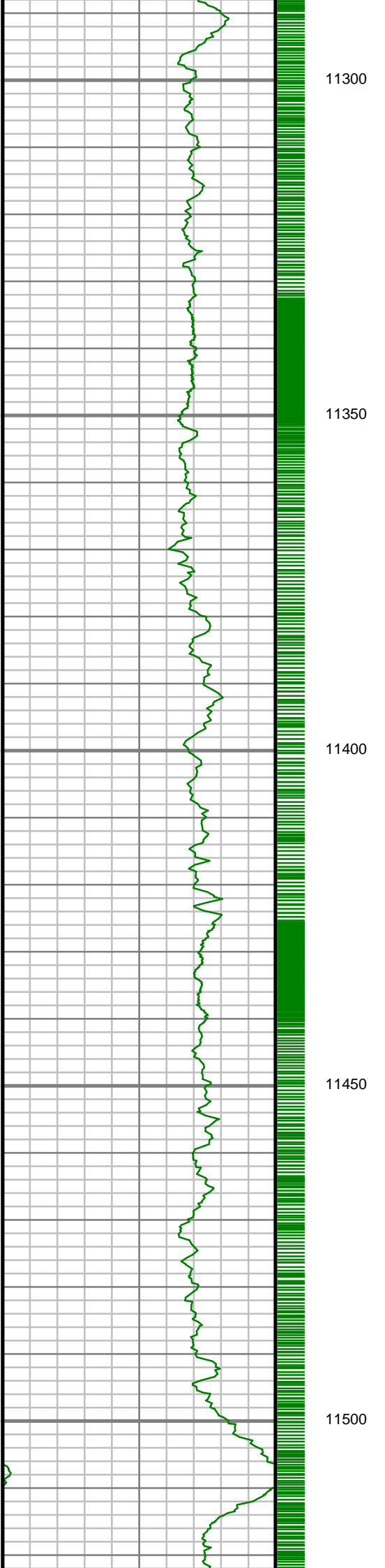
S: 126 MD: 10756.00 ft
Inc: 89.63 deg Az: 0.61
deg TVD: 7150.41 ft





S: 130 MD: 11132.00 ft
Inc: 87.76 deg Az: 0.63
deg TVD: 7155.63 ft

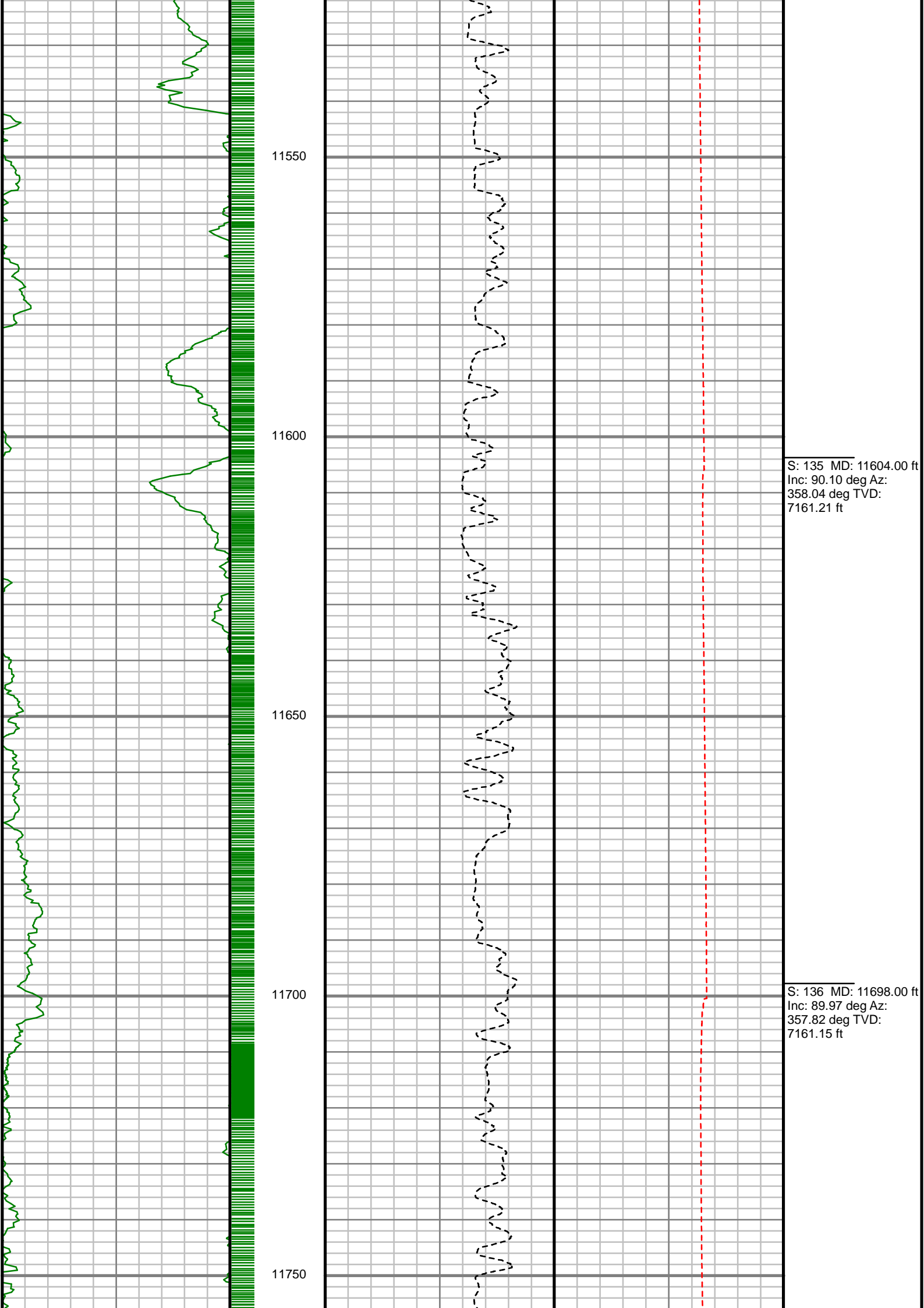
S: 131 MD: 11227.00 ft
Inc: 89.16 deg Az:
359.92 deg TVD:
7158.19 ft

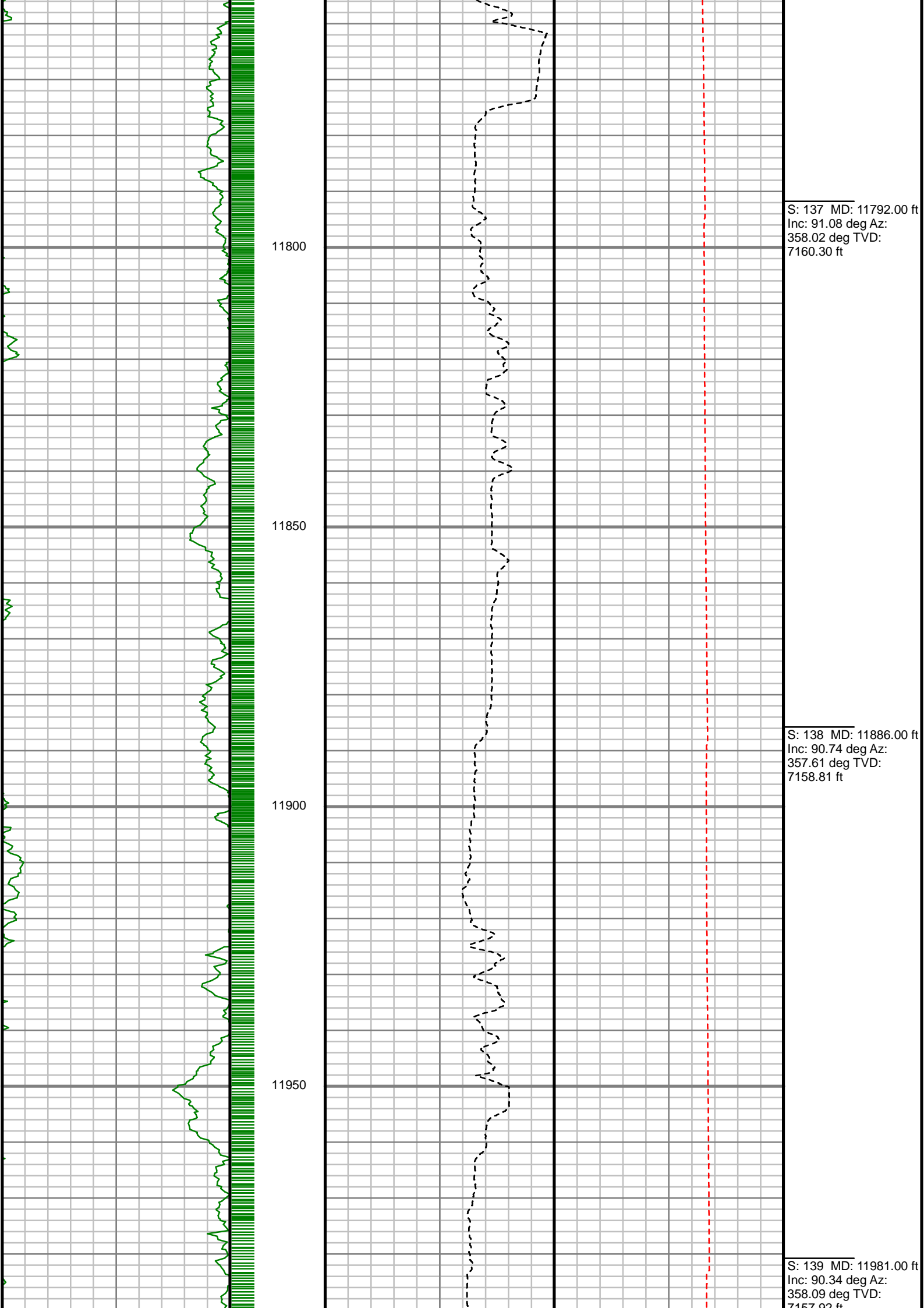


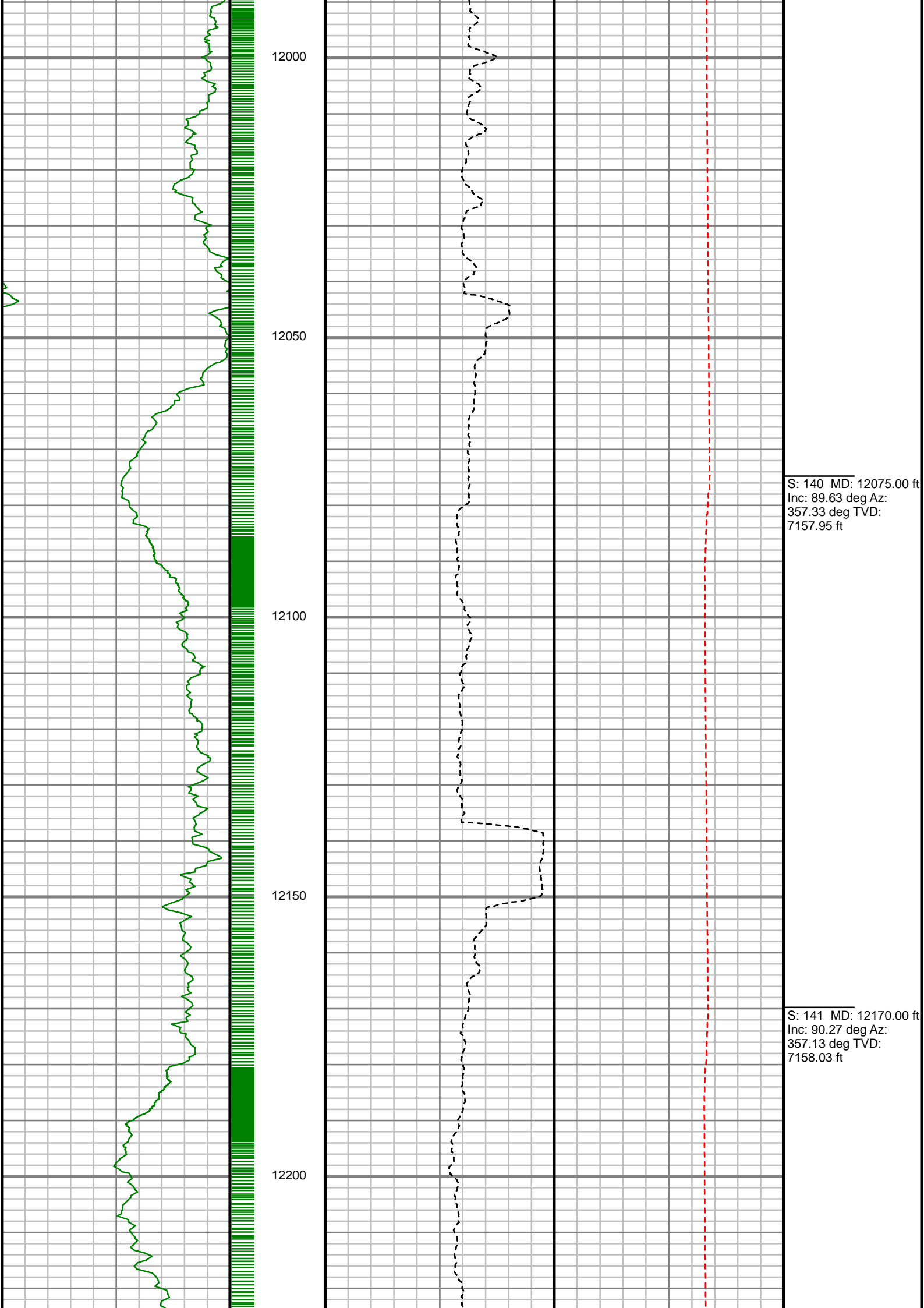
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Inc: 88.79 deg Az: 0.17
deg TVD: 7159.87 ft

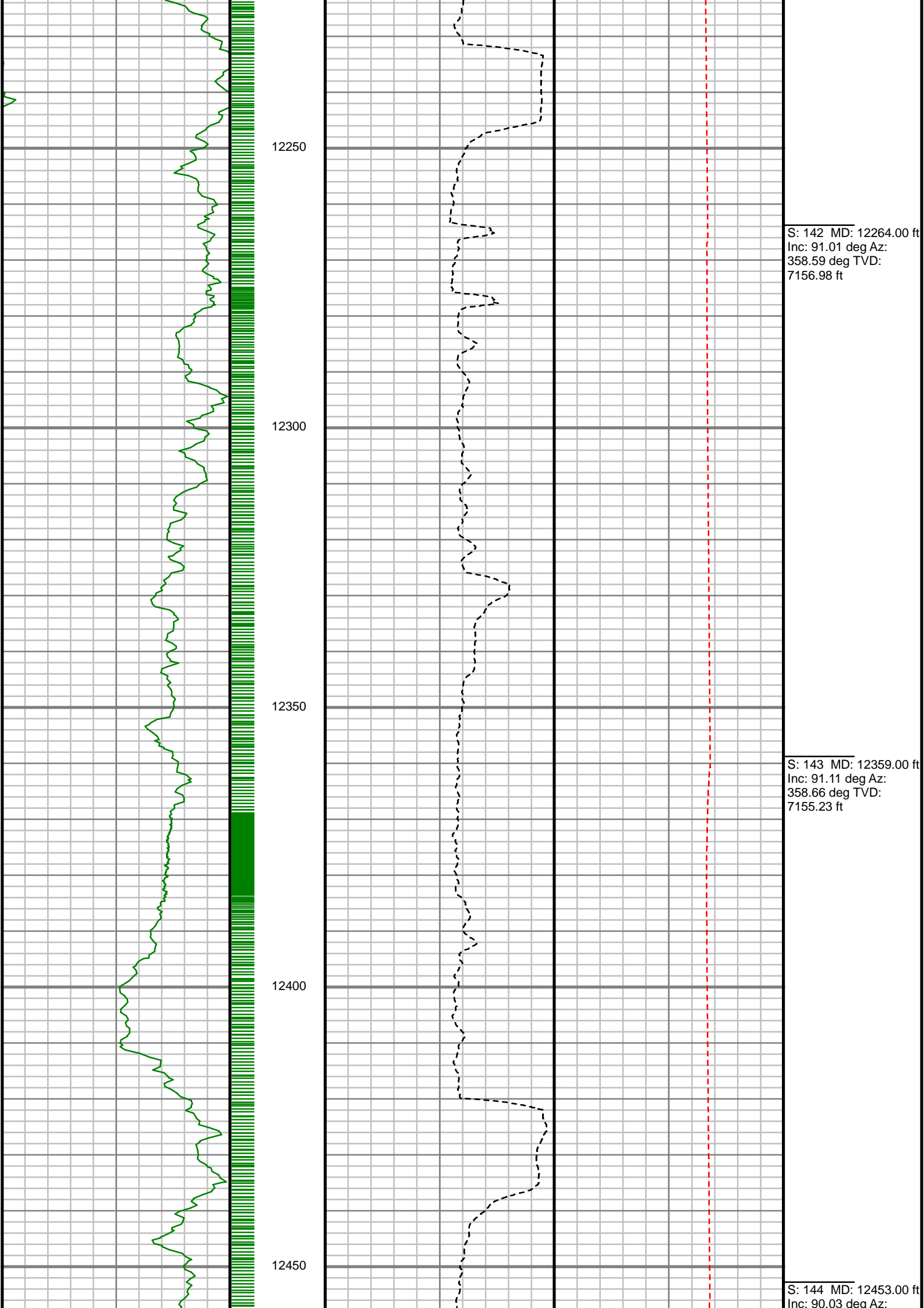
S: 133 MD: 11415.00 ft
Inc: 89.26 deg Az:
358.80 deg TVD:
7161.46 ft

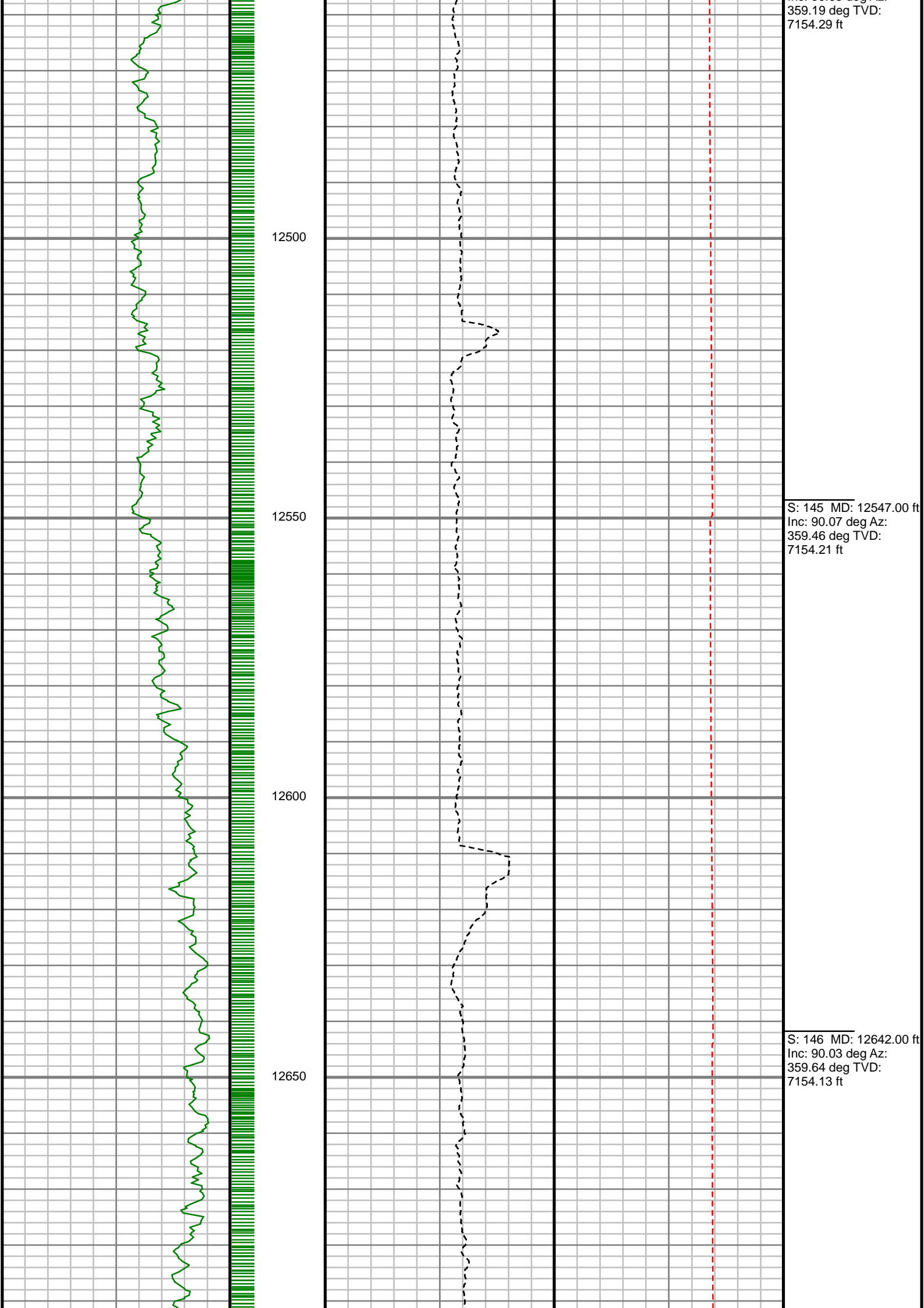
S: 134 MD: 11509.00 ft
Inc: 90.47 deg Az:
358.88 deg TVD:
7161.68 ft

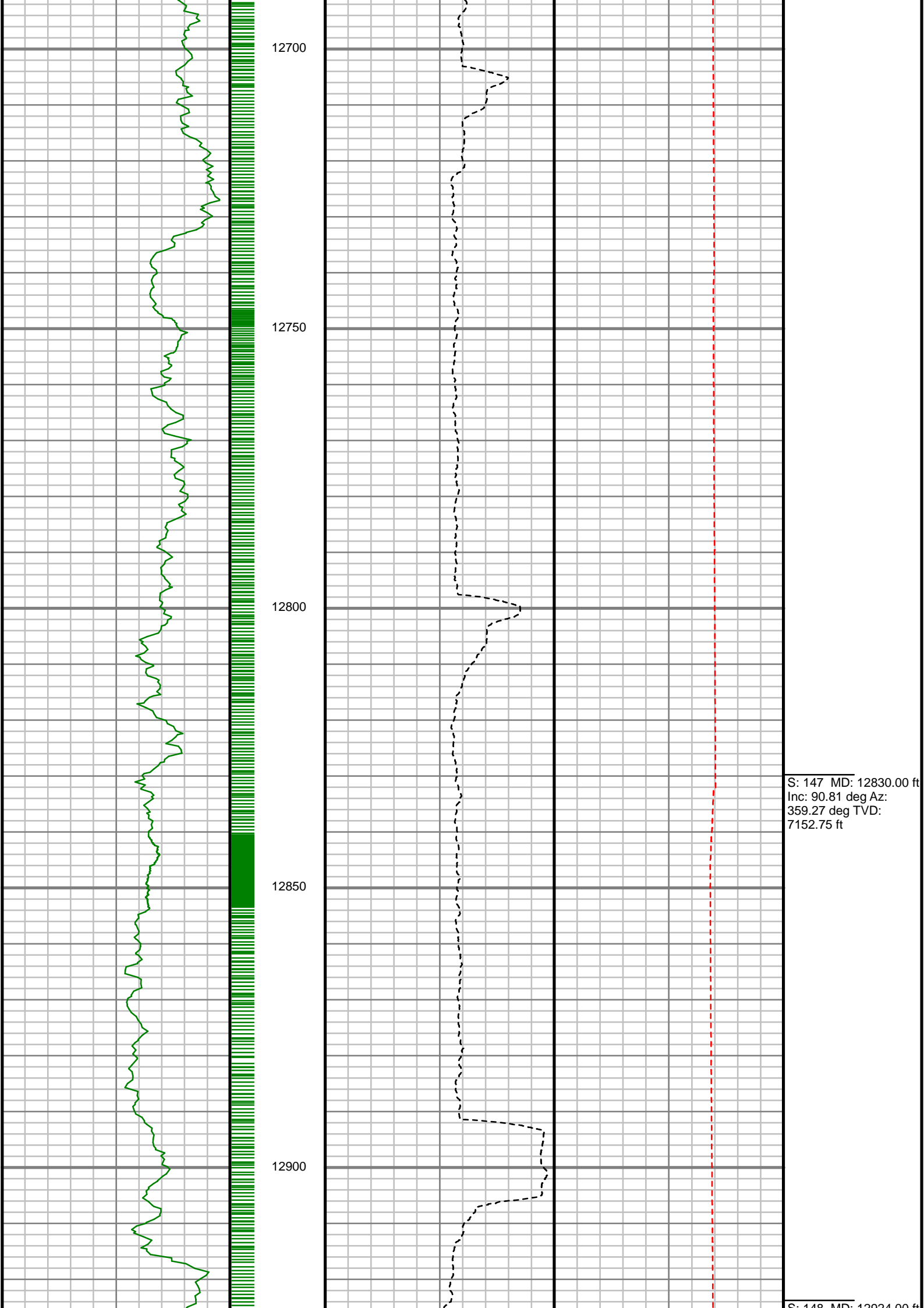


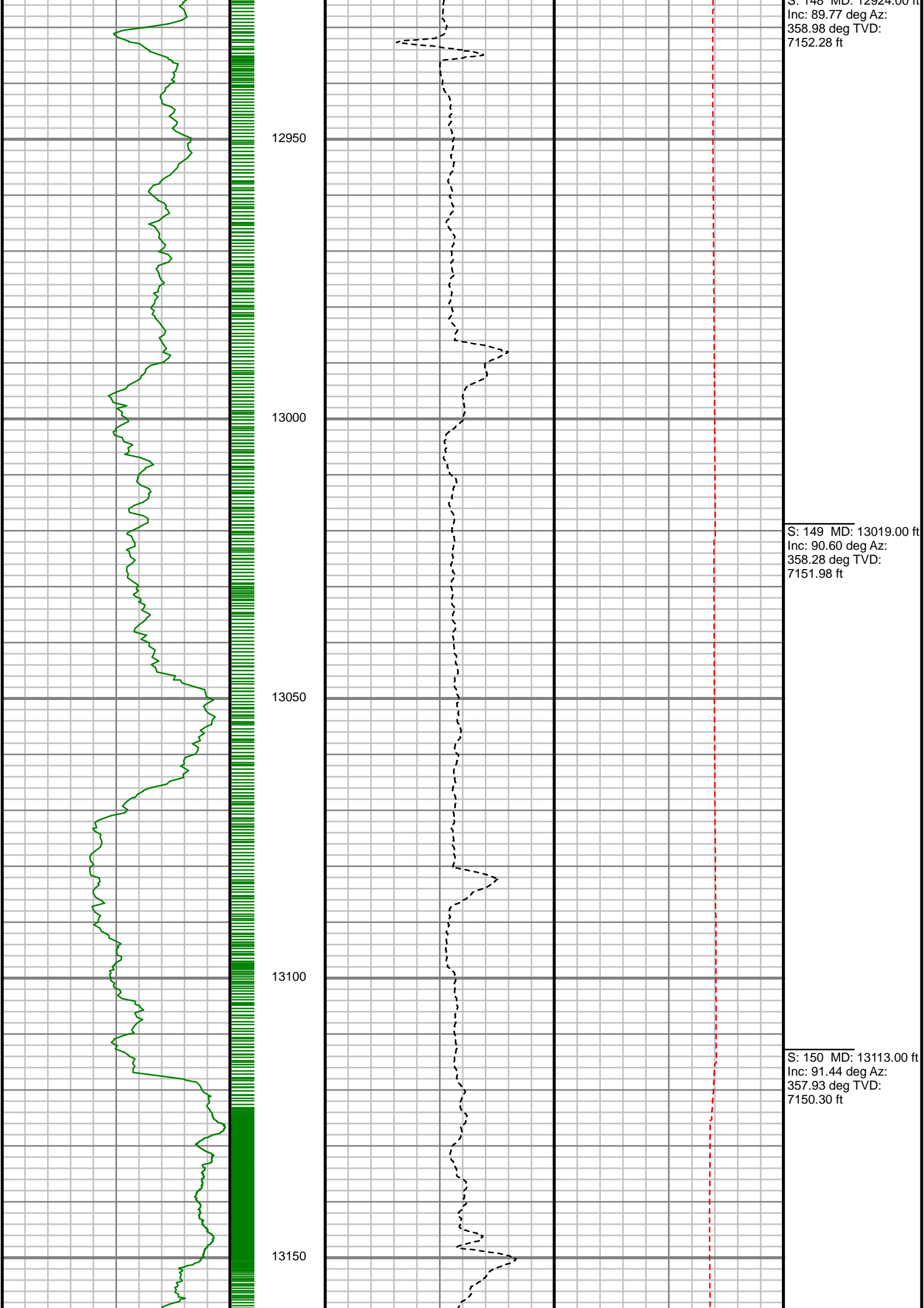


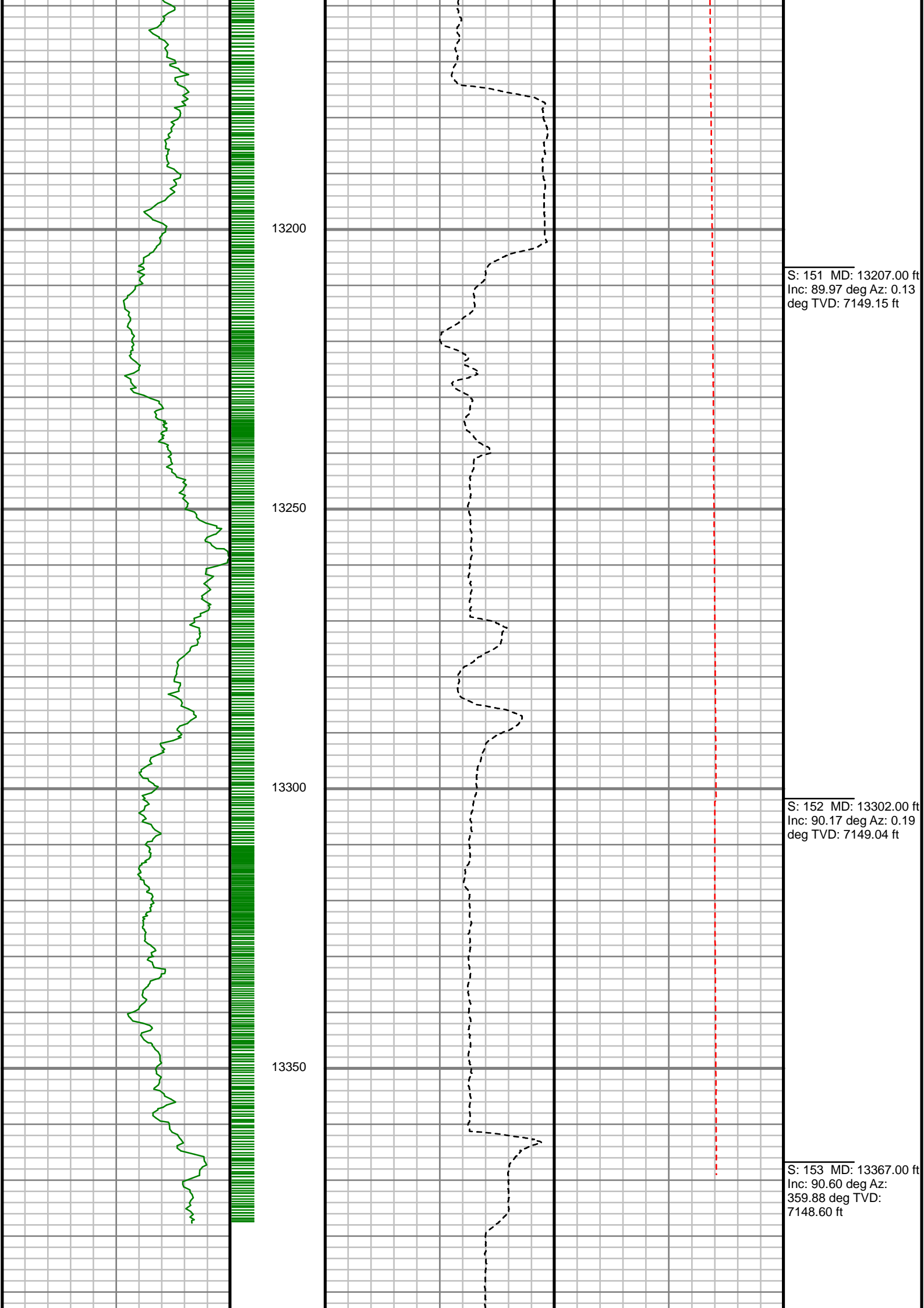






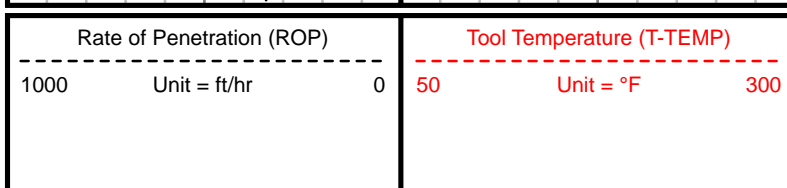






Gamma Ray (GR)		
0	Unit = aapi	150

MEASURED DEPTH
1:240 (ft)



Comments

Well Location	GOODIN PAD
Well Name	GOODIN 38N-A6HZ
Survey Date	2/23/2015
Latitude	40°3'35.438"N
Longitude	104°42'8.093"W
Btotal	52644, 52690, 52740 nT
Dip	66.48, 66.51, 66.54 deg
Magnetic Declination	8.06, 8.08, 8.14 deg
North Reference	True North
Grid Correction	None
Depth Reference	RKB (25.00 ft)
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 359.34Azim (deg)
Operator(s)	C. COLLINS, S. NEJAD, S. WAXLER

Well Notes
SURVEYS FROM 0 FT. TO 1550 FT. WERE ACQUIRED BY CATHEDRAL MWD.
SURVEYS FROM 1611 FT. TO 13367 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
0.00	0.00	297.10	0.00	0.00	0.00	0.00	Invalid
25.00	0.00	297.10	25.00	0.00	0.00	0.00	0.00
103.00	0.40	297.10	103.00	0.13	0.12	-0.24	0.51
181.00	0.40	307.20	181.00	0.42	0.41	-0.70	0.09
259.00	0.40	300.20	259.00	0.73	0.71	-1.15	0.06
339.00	0.40	295.60	338.99	0.99	0.98	-1.65	0.04
419.00	0.40	318.20	418.99	1.33	1.30	-2.08	0.20
499.00	0.40	321.40	498.99	1.76	1.73	-2.45	0.03
579.00	0.20	313.70	578.99	2.08	2.05	-2.72	0.25
659.00	0.10	300.10	658.99	2.21	2.18	-2.88	0.13
739.00	0.20	238.60	738.99	2.17	2.14	-3.06	0.22
819.00	0.60	125.80	818.99	1.85	1.82	-2.84	0.88
899.00	0.70	122.50	898.98	1.34	1.31	-2.09	0.13
979.00	0.70	129.90	978.98	0.75	0.74	-1.30	0.11
1059.00	0.80	134.60	1058.97	0.04	0.03	-0.53	0.15
1139.00	1.00	132.30	1138.96	-0.83	-0.83	0.38	0.25
1219.00	0.80	143.90	1218.95	-1.77	-1.75	1.23	0.34
1299.00	0.90	154.80	1298.94	-2.79	-2.77	1.83	0.24
1379.00	0.60	203.50	1378.93	-3.75	-3.72	1.93	0.85
1459.00	0.50	254.30	1458.93	-4.22	-4.20	1.42	0.60

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
1550.00	0.60	306.00	1549.93	-4.04	-4.03	0.66	0.54
1611.00	0.09	339.17	1610.93	-3.80	-3.80	0.38	0.87
1665.00	1.06	117.60	1664.92	-4.00	-3.99	0.81	2.08
1740.00	2.46	123.13	1739.89	-5.22	-5.19	2.77	1.89
1805.00	3.43	122.96	1804.80	-7.08	-7.01	5.57	1.49
1862.00	4.57	127.35	1861.66	-9.42	-9.32	8.81	2.08
1924.00	6.33	134.03	1923.38	-13.35	-13.20	13.23	3.01
2111.00	10.73	123.75	2108.27	-30.45	-30.05	35.14	2.48
2207.00	12.32	124.80	2202.33	-41.45	-40.86	50.98	1.66
2300.00	13.64	126.21	2292.96	-53.78	-53.00	67.97	1.46
2394.00	15.13	128.85	2384.01	-68.24	-67.24	86.47	1.74
2489.00	16.80	129.37	2475.34	-84.96	-83.73	106.74	1.77
2569.00	18.49	128.84	2551.57	-100.47	-99.03	125.56	2.11
2664.00	21.04	135.27	2640.98	-122.31	-120.60	149.30	3.53
2758.00	22.68	131.16	2728.22	-146.52	-144.52	174.83	2.39
2852.00	23.50	130.78	2814.69	-171.01	-168.68	202.66	0.88
2947.00	25.61	127.90	2901.10	-196.34	-193.67	233.21	2.56
3041.00	27.21	125.68	2985.29	-221.74	-218.69	266.70	1.99
3135.00	25.43	128.88	3069.54	-247.33	-243.89	299.87	2.42
3230.00	26.72	129.58	3154.87	-274.11	-270.30	332.21	1.39

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
3324.00	26.14	128.95	3239.05	-300.96	-296.78	364.60	0.68
3418.00	25.29	127.66	3323.74	-326.62	-322.07	396.60	1.09
3513.00	25.57	126.89	3409.54	-351.69	-346.77	429.06	0.46
3607.00	25.12	125.02	3494.49	-375.69	-370.40	461.63	0.98
3701.00	25.86	125.78	3579.34	-399.51	-393.84	494.60	0.86
3796.00	25.57	127.25	3664.93	-424.41	-418.36	527.73	0.74
3890.00	25.79	127.87	3749.65	-449.61	-443.19	560.01	0.37
3984.00	26.40	130.69	3834.07	-476.16	-469.37	592.00	1.47
4078.00	25.80	130.56	3918.49	-503.44	-496.30	623.38	0.64
4172.00	25.75	128.67	4003.14	-529.87	-522.36	654.86	0.87
4266.00	26.63	125.89	4087.49	-555.36	-547.47	687.88	1.61
4360.00	27.61	125.67	4171.15	-580.80	-572.52	722.64	1.05
4455.00	28.72	127.62	4254.90	-607.98	-599.29	758.61	1.52
4643.00	25.15	130.31	4422.48	-662.18	-652.72	824.88	2.00
4737.00	24.77	126.26	4507.71	-687.11	-677.30	856.00	1.86
4831.00	23.44	123.85	4593.51	-709.54	-699.36	887.41	1.76
4925.00	22.44	123.22	4680.07	-730.13	-719.61	917.95	1.09
5019.00	21.78	123.32	4767.16	-749.88	-739.01	947.53	0.71
5114.00	20.66	127.44	4855.72	-770.07	-758.89	975.56	1.96
5208.00	17.16	129.72	4944.64	-789.29	-777.83	999.40	3.80

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
5302.00	15.89	129.22	5034.75	-806.53	-794.84	1020.04	1.35
5397.00	13.50	128.40	5126.64	-821.86	-809.95	1038.81	2.53
5491.00	10.97	128.59	5218.50	-834.44	-822.35	1054.40	2.70
5585.00	11.09	125.82	5310.76	-845.47	-833.21	1068.72	0.58
5679.00	9.72	126.78	5403.21	-855.67	-843.25	1082.41	1.46
5773.00	8.25	132.26	5496.06	-865.09	-852.54	1093.76	1.81
5867.00	8.16	126.56	5589.10	-873.72	-861.06	1104.11	0.87
5961.00	5.57	120.42	5682.42	-880.11	-867.34	1113.41	2.87
6056.00	3.68	114.47	5777.10	-883.78	-870.94	1120.16	2.05
6150.00	1.72	117.54	5870.99	-885.73	-872.84	1124.15	2.08
6244.00	0.92	113.89	5964.97	-886.71	-873.80	1126.09	0.87
6338.00	0.92	67.48	6058.96	-886.74	-873.81	1127.48	0.77
6432.00	0.40	203.42	6152.95	-886.76	-873.83	1128.05	1.32
6526.00	0.77	181.01	6246.95	-887.70	-874.76	1127.91	0.46
6621.00	0.27	180.05	6341.94	-888.56	-875.63	1127.89	0.53
6731.00	0.44	299.61	6451.94	-888.61	-875.68	1127.53	0.56
6810.00	3.09	339.48	6530.90	-886.45	-873.54	1126.52	3.50
6856.00	9.94	346.23	6576.58	-881.42	-868.51	1125.14	14.96
6904.00	14.15	337.56	6623.51	-871.93	-859.06	1121.91	9.53
6951.00	16.93	342.83	6668.79	-860.03	-847.21	1117.70	6.62

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
6999.00	21.71	339.98	6714.08	-844.94	-832.18	1112.60	10.16
7046.00	25.22	339.82	6757.18	-827.30	-814.61	1106.16	7.47
7093.00	26.16	342.07	6799.54	-807.96	-795.35	1099.52	2.88
7140.00	28.38	340.61	6841.31	-787.49	-774.95	1092.62	4.93
7187.00	33.03	343.32	6881.71	-764.58	-752.13	1085.23	10.32
7234.00	35.34	343.23	6920.59	-739.21	-726.84	1077.63	4.92
7281.00	39.51	344.01	6957.90	-711.71	-699.44	1069.58	8.93
7328.00	41.46	344.08	6993.65	-682.28	-670.10	1061.19	4.15
7375.00	47.36	349.42	7027.22	-650.20	-638.10	1053.74	14.86
7422.00	53.75	356.55	7057.08	-614.17	-602.13	1049.42	17.92
7469.00	61.62	358.53	7082.19	-574.51	-562.48	1047.75	17.11
7516.00	67.91	359.17	7102.22	-532.02	-519.99	1046.90	13.44
7563.00	75.63	359.69	7116.92	-487.41	-475.39	1046.46	16.46
7581.00	78.72	0.92	7120.91	-469.87	-457.84	1046.56	18.44
7733.00	85.38	4.98	7141.94	-319.75	-307.62	1054.35	5.12
7827.00	87.35	4.87	7147.90	-226.39	-214.16	1062.41	2.10
7922.00	88.63	5.81	7151.24	-131.97	-119.64	1071.24	1.67
8016.00	90.20	4.84	7152.21	-38.49	-26.05	1079.97	1.97
8111.00	91.51	3.69	7150.79	56.14	68.67	1087.04	1.83
8205.00	90.64	3.02	7149.02	149.90	162.49	1092.54	1.17

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
8299.00	91.14	2.75	7147.57	243.70	256.36	1097.28	0.61
8394.00	89.56	1.34	7146.98	338.59	351.29	1100.67	2.23
8488.00	89.23	1.18	7147.97	432.53	445.26	1102.73	0.40
8583.00	89.66	1.16	7148.89	527.48	540.24	1104.67	0.46
8677.00	89.87	0.91	7149.27	621.44	634.22	1106.37	0.34
8771.00	90.81	0.28	7148.72	715.41	728.22	1107.34	1.21
8866.00	90.30	359.37	7147.80	810.40	823.21	1107.04	1.10
8961.00	90.07	359.77	7147.50	905.40	918.21	1106.33	0.49
9055.00	90.57	358.66	7146.97	999.40	1012.19	1105.04	1.29
9150.00	89.87	358.87	7146.61	1094.39	1107.17	1102.99	0.77
9245.00	89.06	359.95	7147.50	1189.39	1202.16	1102.02	1.41
9339.00	88.89	359.15	7149.18	1283.37	1296.14	1101.28	0.87
9434.00	89.33	359.74	7150.66	1378.36	1391.12	1100.35	0.77
9528.00	88.66	358.18	7152.31	1472.34	1485.09	1098.64	1.80
9623.00	88.76	357.45	7154.45	1567.28	1580.00	1095.03	0.77
9717.00	89.97	356.99	7155.50	1661.21	1673.88	1090.47	1.38
9812.00	90.44	359.52	7155.17	1756.18	1768.83	1087.58	2.70
9907.00	90.67	358.20	7154.25	1851.17	1863.80	1085.69	1.41
10001.00	90.23	359.46	7153.51	1945.16	1957.78	1083.76	1.42
10095.00	90.57	0.52	7152.85	2039.15	2051.77	1083.75	1.18

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft
10190.00	90.74	359.96	7151.77	2134.13	2146.76	1084.15	0.62
10285.00	89.83	359.73	7151.29	2229.13	2241.76	1083.89	0.98
10379.00	90.00	0.47	7151.43	2323.12	2335.76	1084.05	0.81
10474.00	90.17	359.70	7151.29	2418.11	2430.76	1084.20	0.83
10568.00	90.84	359.40	7150.46	2512.11	2524.75	1083.47	0.78
10662.00	89.80	0.12	7149.94	2606.10	2618.75	1083.07	1.34
10756.00	89.63	0.61	7150.41	2700.08	2712.75	1083.67	0.56
10850.00	90.00	0.36	7150.71	2794.06	2806.74	1084.46	0.48
10944.00	89.83	0.19	7150.85	2888.05	2900.74	1084.91	0.25
11038.00	88.29	1.26	7152.39	2982.01	2994.72	1086.10	2.00
11132.00	87.76	0.63	7155.63	3075.91	3088.65	1087.65	0.87
11227.00	89.16	359.92	7158.19	3170.86	3183.61	1088.11	1.66
11321.00	88.79	0.17	7159.87	3264.84	3277.59	1088.18	0.48
11415.00	89.26	358.80	7161.46	3358.82	3371.57	1087.33	1.54
11509.00	90.47	358.88	7161.68	3452.82	3465.55	1085.43	1.29
11604.00	90.10	358.04	7161.21	3547.80	3560.51	1082.87	0.96
11698.00	89.97	357.82	7161.15	3641.78	3654.45	1079.48	0.27
11792.00	91.08	358.02	7160.30	3735.74	3748.39	1076.06	1.20
11886.00	90.74	357.61	7158.81	3829.70	3842.31	1072.48	0.56
11981.00	90.34	358.09	7157.92	3924.66	3937.23	1068.92	0.66

5" = 100' FEET MD