



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC.  
WELL : TEDFORD 3C-28HZ  
FIELD : WATTENBERG  
COUNTY : WELD  
STATE : COLORADO  
COUNTRY : U.S.A.  
UWI : 051234795

COMPANY : ANADARKO E&P ONSHORE LLC.

WELL : TEDFORD 3C-28HZ

FIELD : WATTENBERG

COUNTY : WELD

STATE : COLORADO

COUNTRY : U.S.A.

UWI : 051234795

WELL LOCATION

LAT:40.1026290°N LONG:104.7868450°W

N:14564176.59 ft E:1700021.48 ft

SEC: 2N

TWP:66W

RANGE: 28

OTHER SERVICES

DIRECTIONAL  
ROP

DEPTH REF. : RKB

REF. HEIGHT : 25.000 ft

RKB to Ground Level

GROUND LEVEL : 4965.000 ft

G.L. to MEAN SEA LEVEL

## BOREHOLE RECORD

## DEVIATION RECORD

| HOLE SIZE in | FROM ft | TO ft | INCLINATION deg | FROM ft | TO ft |
|--------------|---------|-------|-----------------|---------|-------|
| 8.5          | 1881    | 13297 | 0-18            | 0       | 7071  |
|              |         |       | 18-90           | 7071    | 7995  |
|              |         |       | 90-92           | 7995    | 13297 |
|              |         |       |                 |         |       |
|              |         |       |                 |         |       |
|              |         |       |                 |         |       |

## CASING RECORD

|             |    |      |    |      |    |
|-------------|----|------|----|------|----|
| CASING SIZE | in | FROM | ft | TO   | ft |
| 12          |    | 0    |    | 1881 |    |

DRILLING CO. : HP

RIG : 307

LWD UNIT NO. : C-46

DISTRICT : CASPER

SPUD DATE : 08/02/2015

LWD START DATE : 08/02/2015 DEPTH : 1881 ft

LWD END DATE : 08/05/2015 DEPTH : 13297 ft

TOTAL DEPTH : 13297 ft

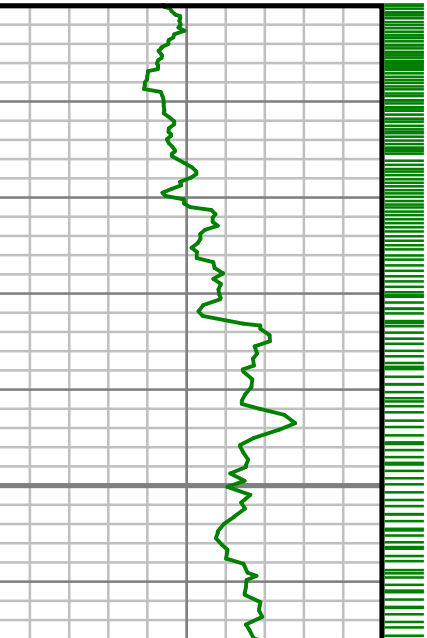

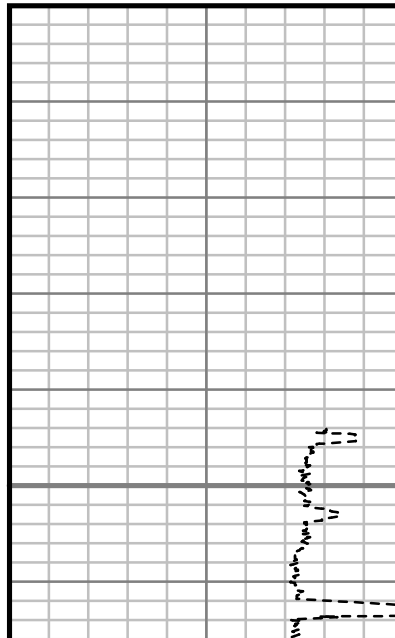
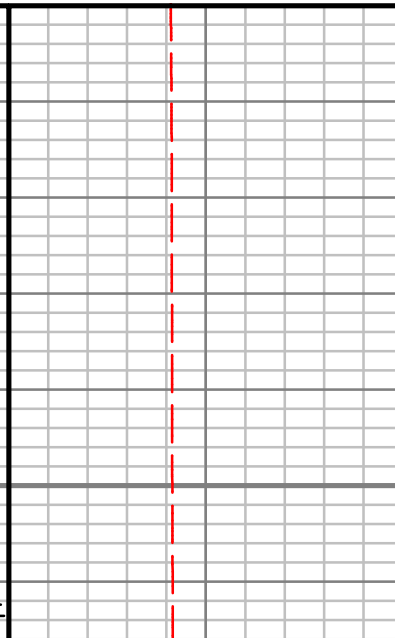
Run Data

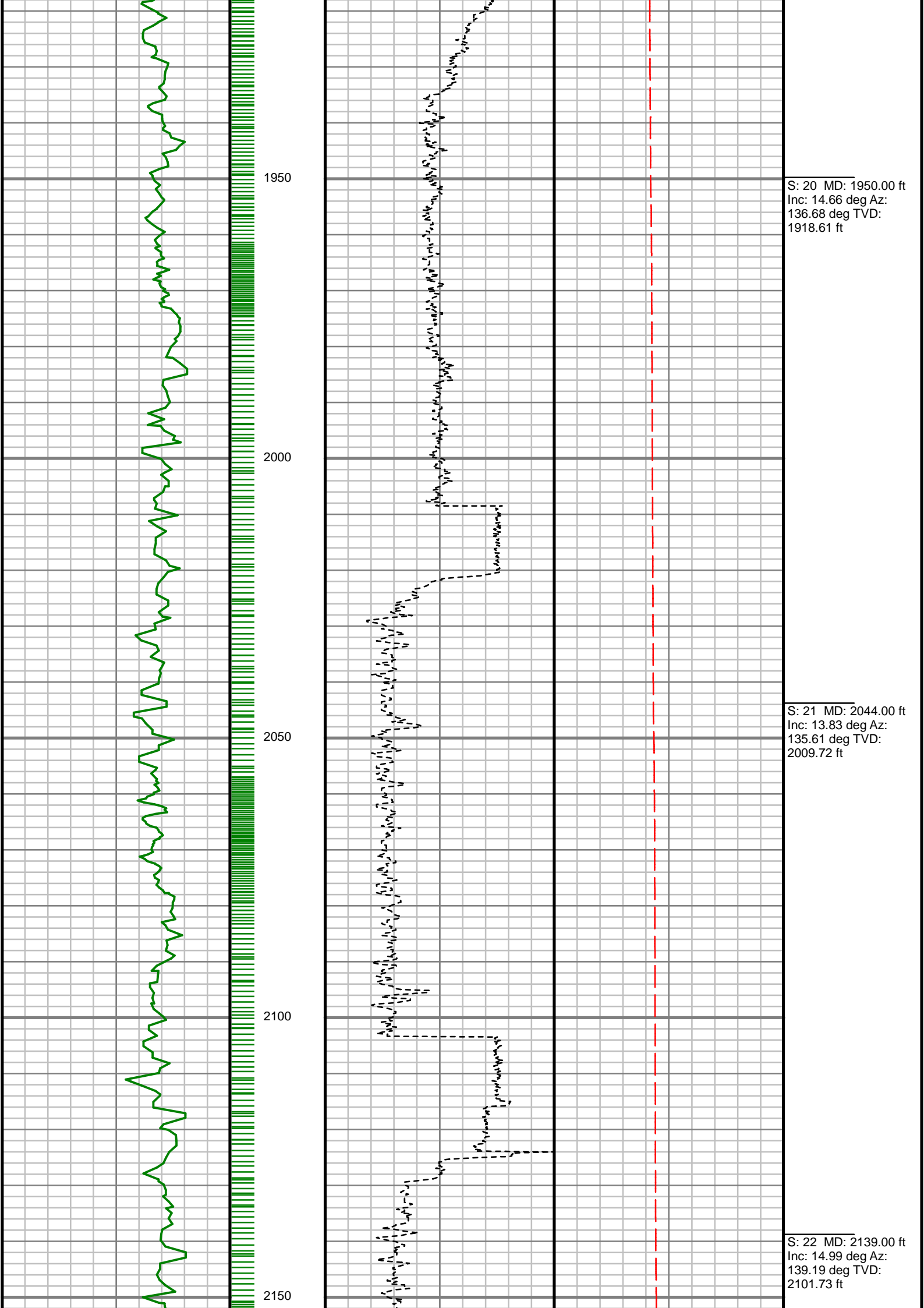
| Run Data                          |  | 1           |  |  |  |  |  |
|-----------------------------------|--|-------------|--|--|--|--|--|
| RUN NUMBER                        |  | 1           |  |  |  |  |  |
| START DATE                        |  | 08/02/2015  |  |  |  |  |  |
| START TIME                        |  | 1000        |  |  |  |  |  |
| END DATE                          |  | 08/05/2015  |  |  |  |  |  |
| END TIME                          |  | 1800        |  |  |  |  |  |
| DEPTH IN (ft)                     |  | 1881        |  |  |  |  |  |
| DEPTH OUT (ft)                    |  | 13297       |  |  |  |  |  |
| LOG TOP (ft)                      |  | 1835        |  |  |  |  |  |
| LOG BOTTOM (ft)                   |  | 13297       |  |  |  |  |  |
| HOLE SIZE (in)                    |  | 8.5         |  |  |  |  |  |
| MUD DATA @ (ft)                   |  | 11880       |  |  |  |  |  |
| MUD TYPE                          |  | OIL-BASED   |  |  |  |  |  |
| DENSITY (lb / gal)                |  | 9.6         |  |  |  |  |  |
| VISCOSITY (s / qt)                |  | 51          |  |  |  |  |  |
| pH                                |  | -           |  |  |  |  |  |
| FLUID LOSS (cm <sup>3</sup> / 30) |  | 3.6         |  |  |  |  |  |
| SALINITY (ppm)                    |  | 53000       |  |  |  |  |  |
| Rm (ohmm @ deg F)                 |  | -           |  |  |  |  |  |
| Rmf (ohmm @ deg F)                |  | -           |  |  |  |  |  |
| MAX TEMP (deg F)                  |  |             |  |  |  |  |  |
| Rm @ MAX TEMP (ohmm)              |  | -           |  |  |  |  |  |
| LWD ENGINEER #1                   |  | B. GREER    |  |  |  |  |  |
| LWD ENGINEER #2                   |  | M. SCHULTZ  |  |  |  |  |  |
| LWD ENGINEER #3                   |  | M. SCHUSTER |  |  |  |  |  |
| LOG WITNESS #1                    |  | R. CANNON   |  |  |  |  |  |
| LOG WITNESS #2                    |  | S. SADDLE   |  |  |  |  |  |

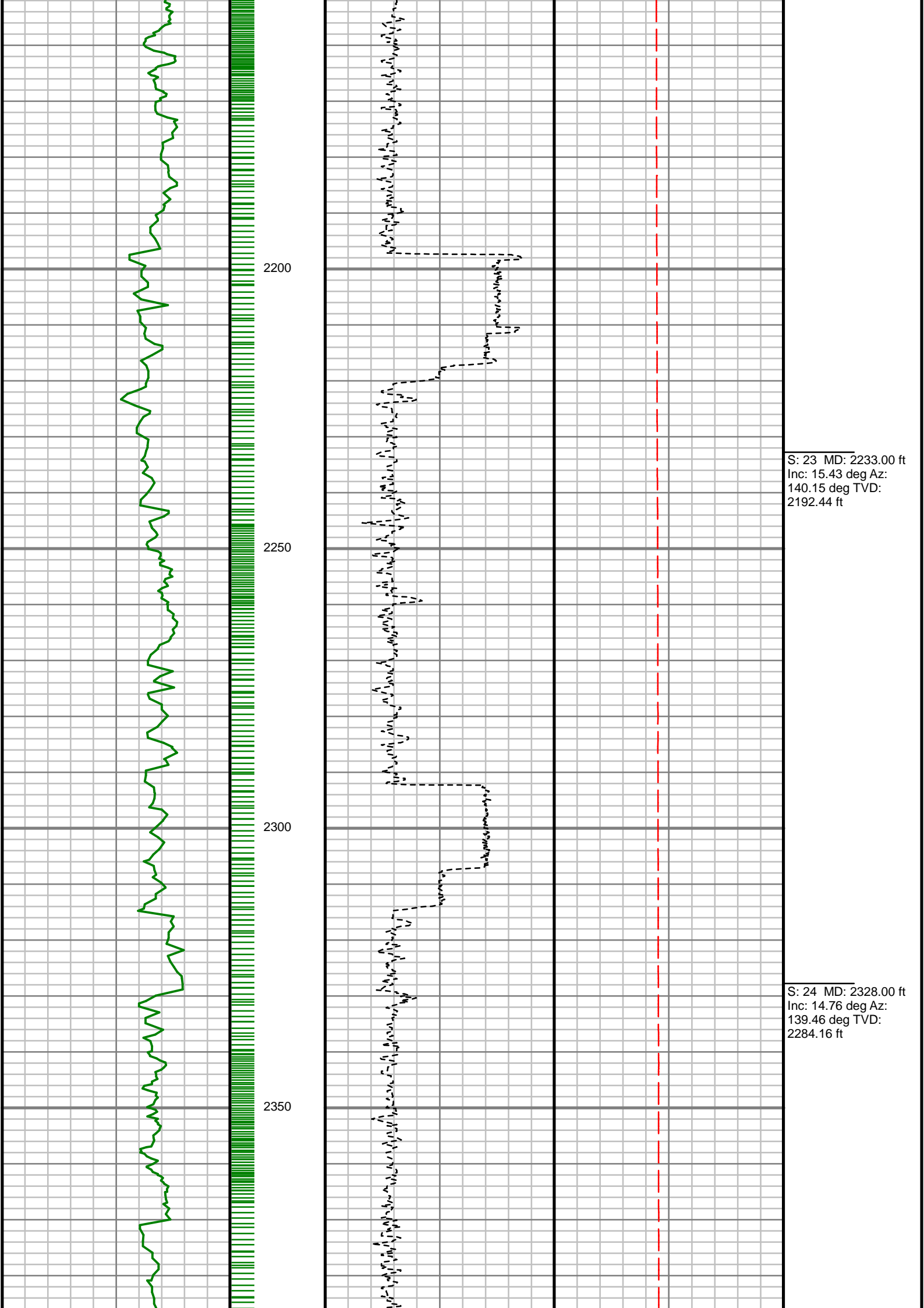
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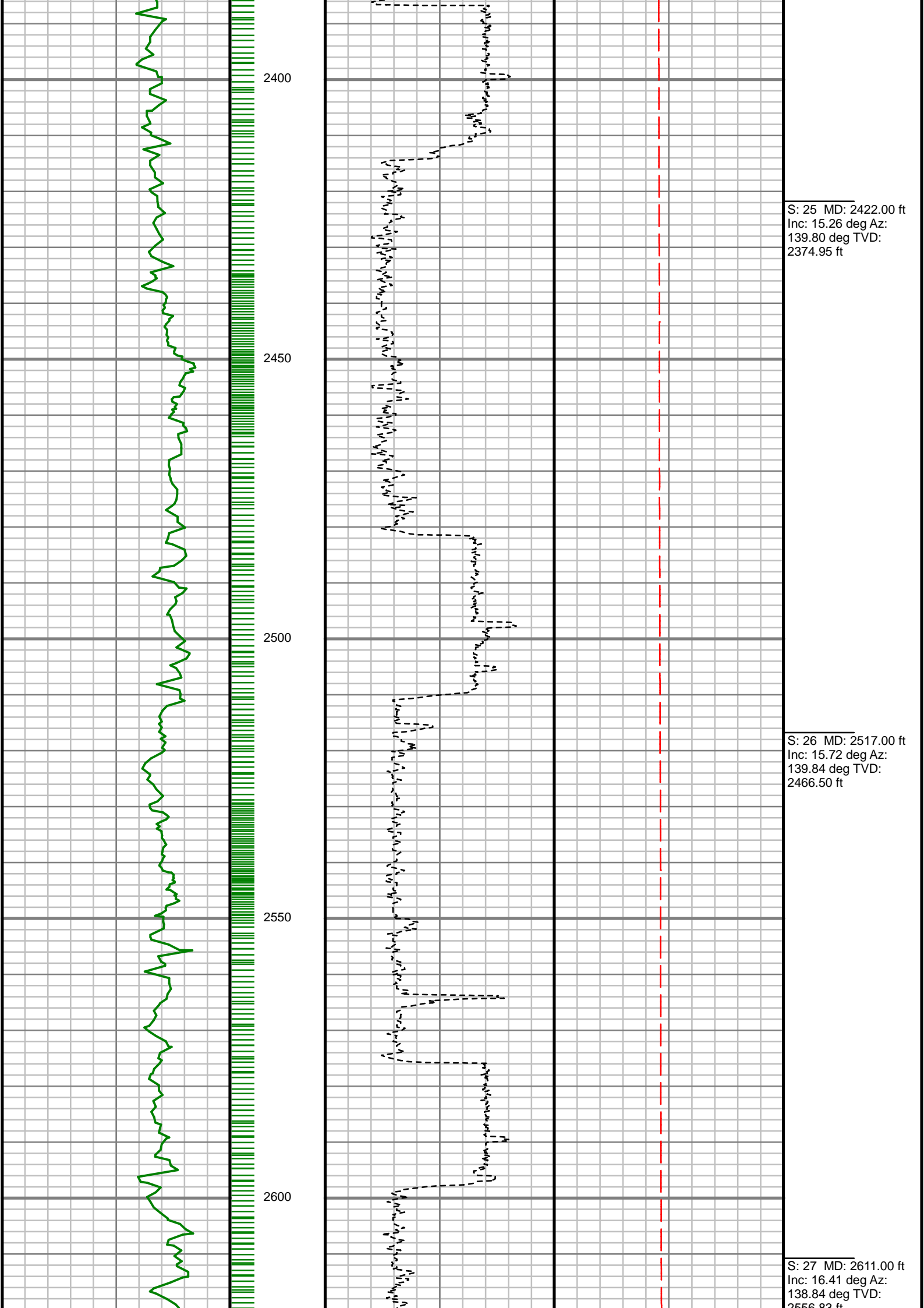
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

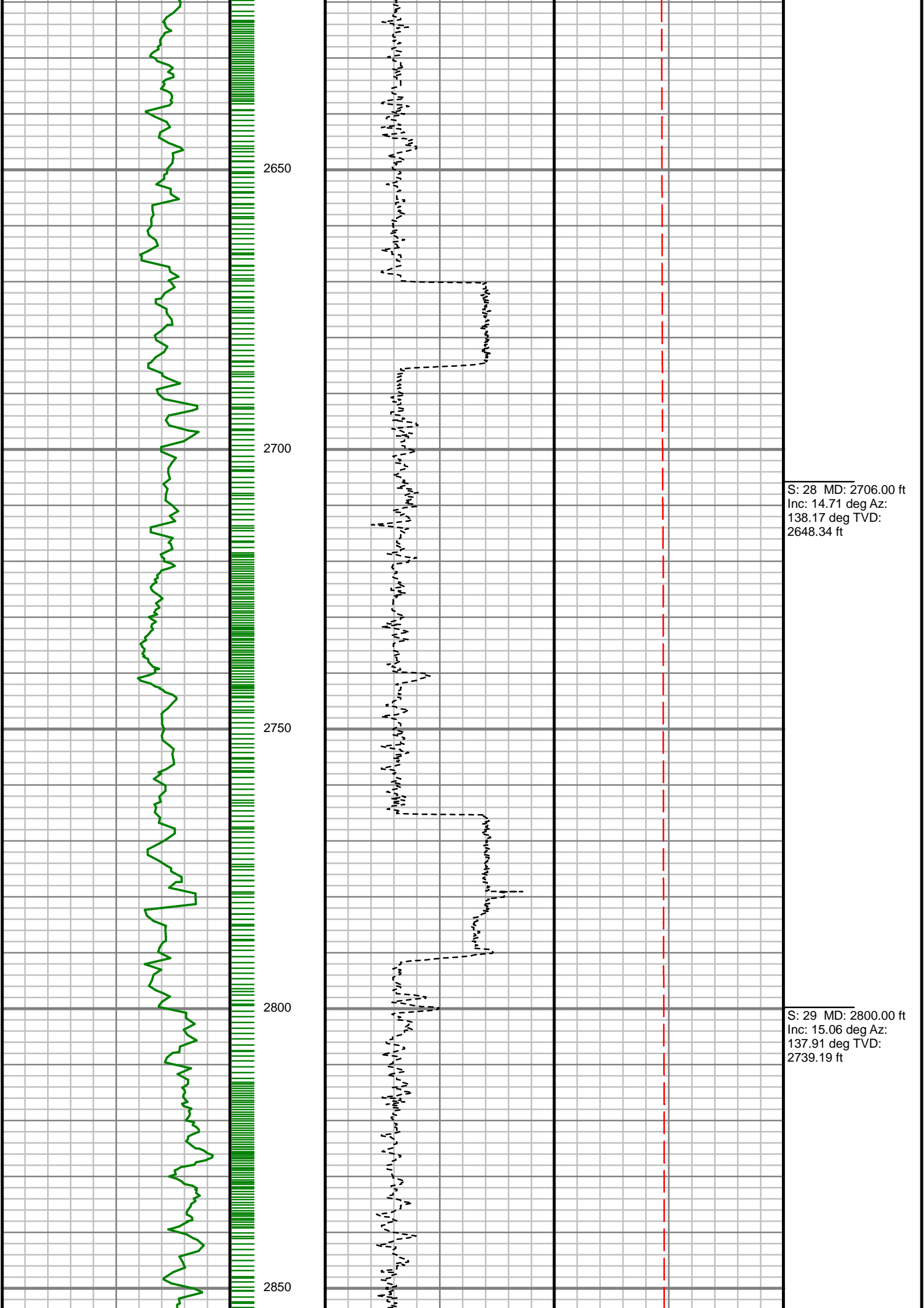
ANADARKO E&P ONSHORE LLC  
 TEDFORD 3C-28HZ  
 WATTENBERG FIELD  
 WELD COUNTY, COLORADO  
 05-123-41795

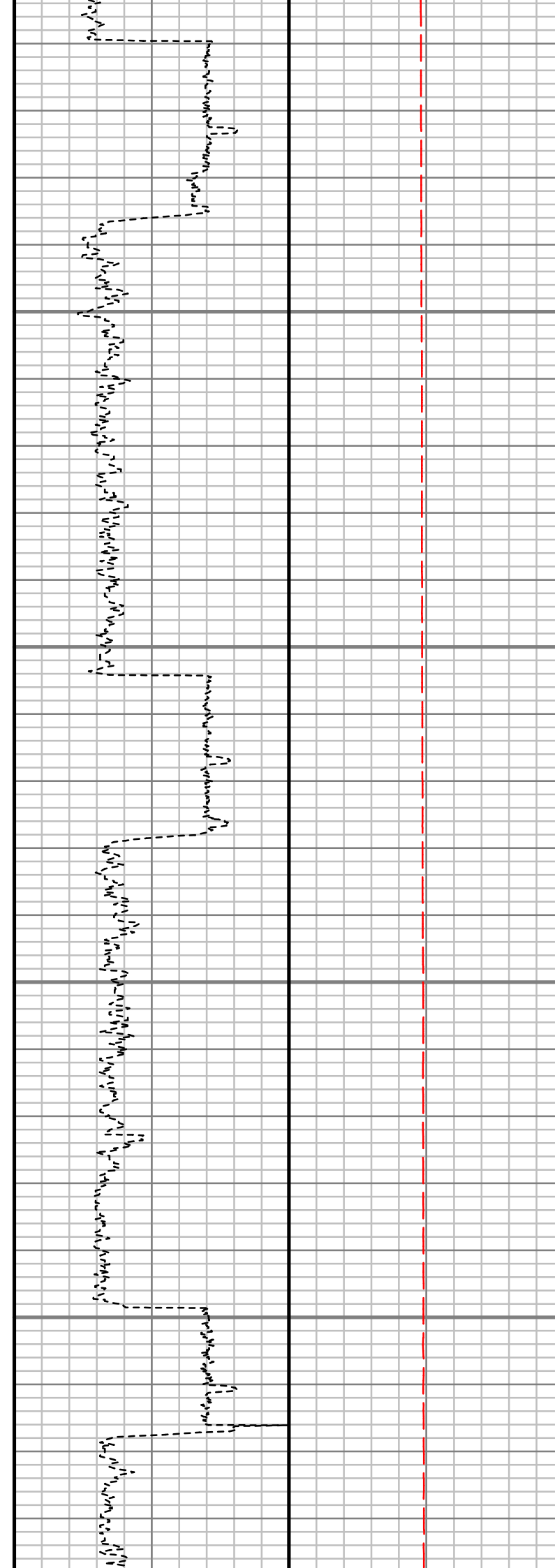
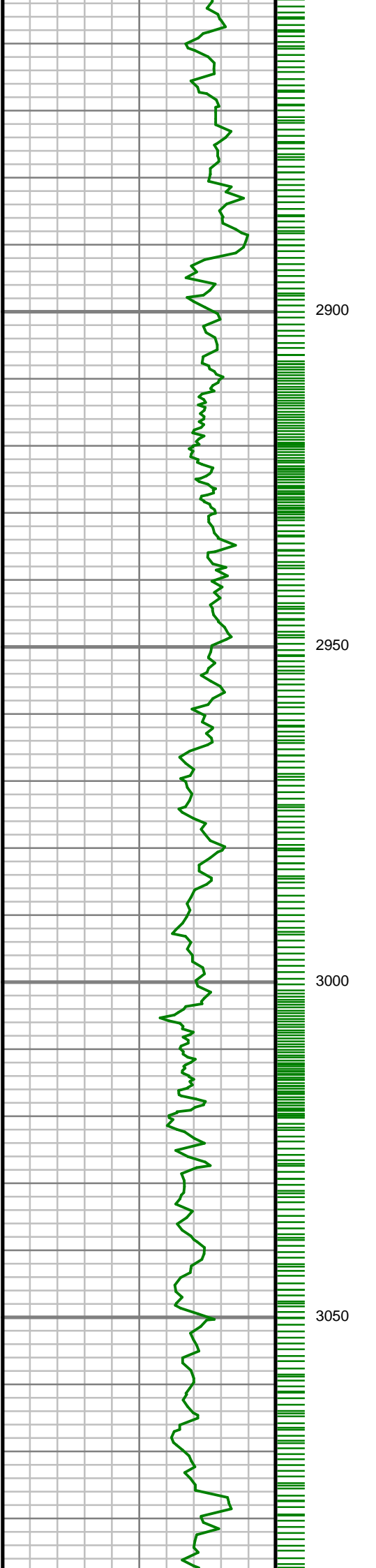
| Gamma Ray (GR)<br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> 0                      Unit = aapi                      150 | MEASURED DEPTH<br>1:240 (ft)                                                        | Rate of Penetration (ROP)<br><hr style="border: 0; border-top: 1px dashed black; margin: 5px 0;"/> 1000                      Unit = ft/hr                      0 | Tool Temperature (T-TEMP)<br><hr style="border: 0; border-top: 1px dashed red; margin: 5px 0;"/> 0                      Unit = °F                      250 | Comments              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                                                  |  |                                                                               |                                                                        | Empty comments column |







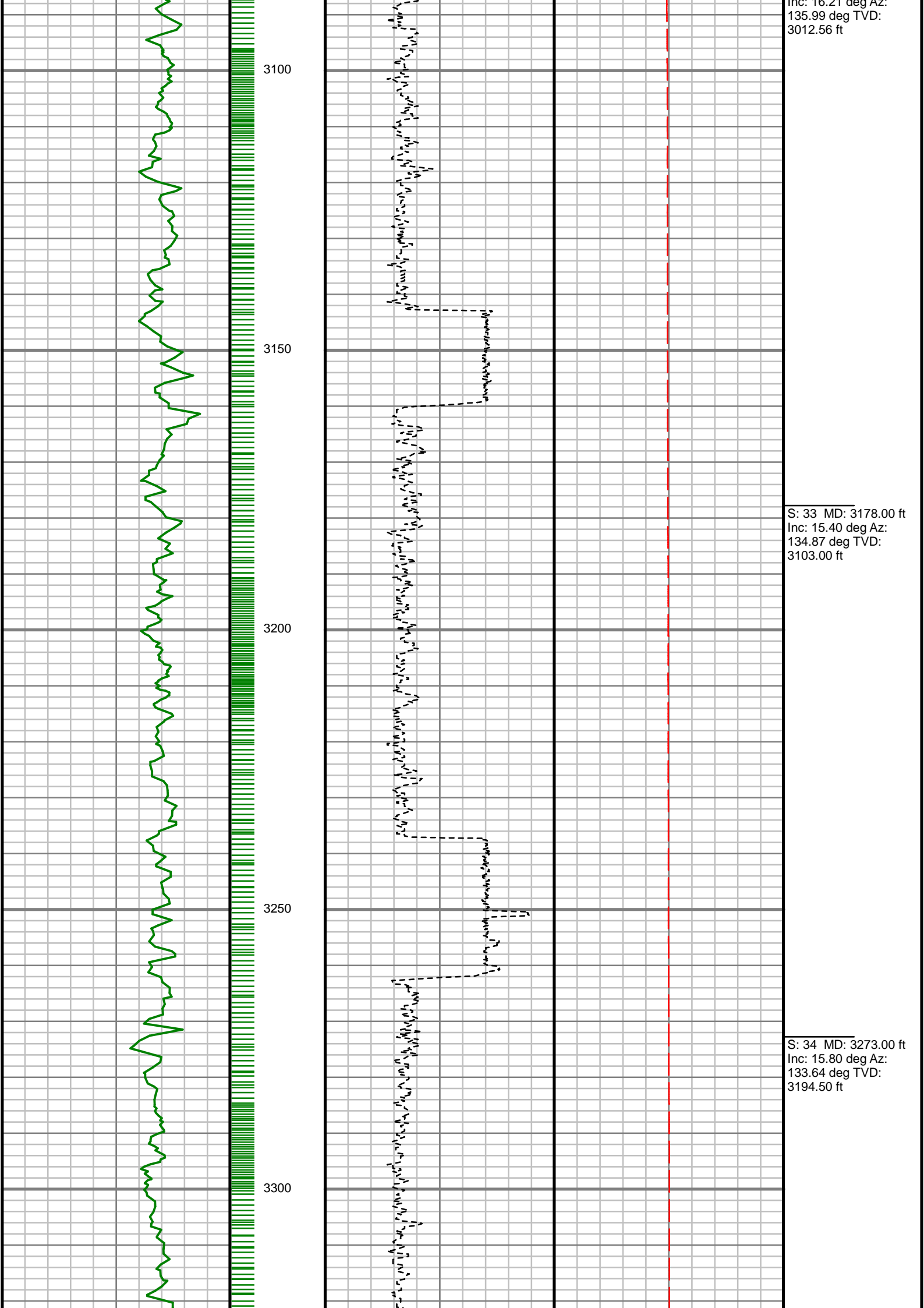




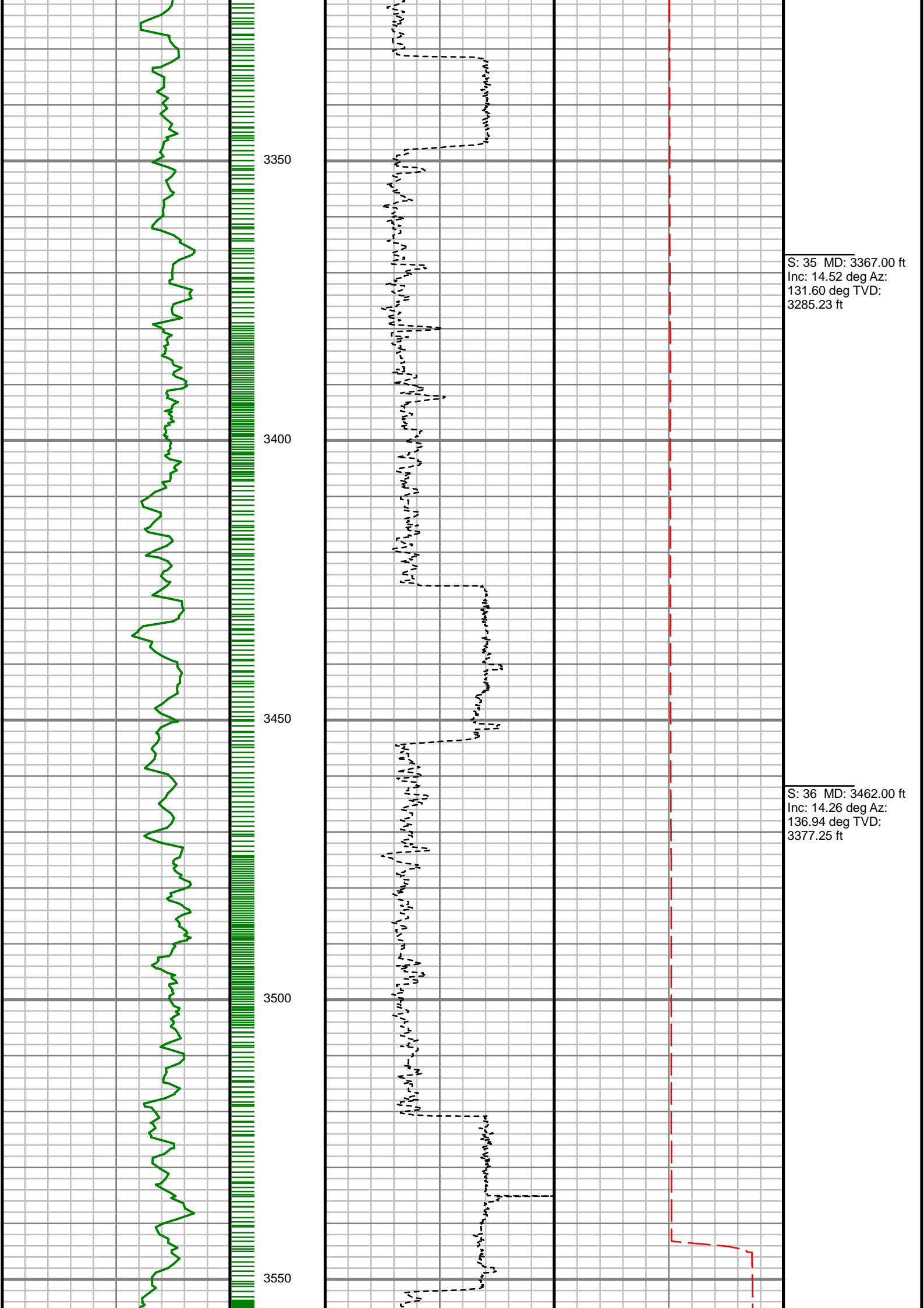
S: 30 MD: 2895.00 ft  
Inc: 15.54 deg Az:  
139.66 deg TVD:  
2830.82 ft

S: 31 MD: 2989.00 ft  
Inc: 16.01 deg Az:  
135.84 deg TVD:  
2921.29 ft

S: 32 MD: 3084.00 ft  
Inc: 16.01 deg Az:

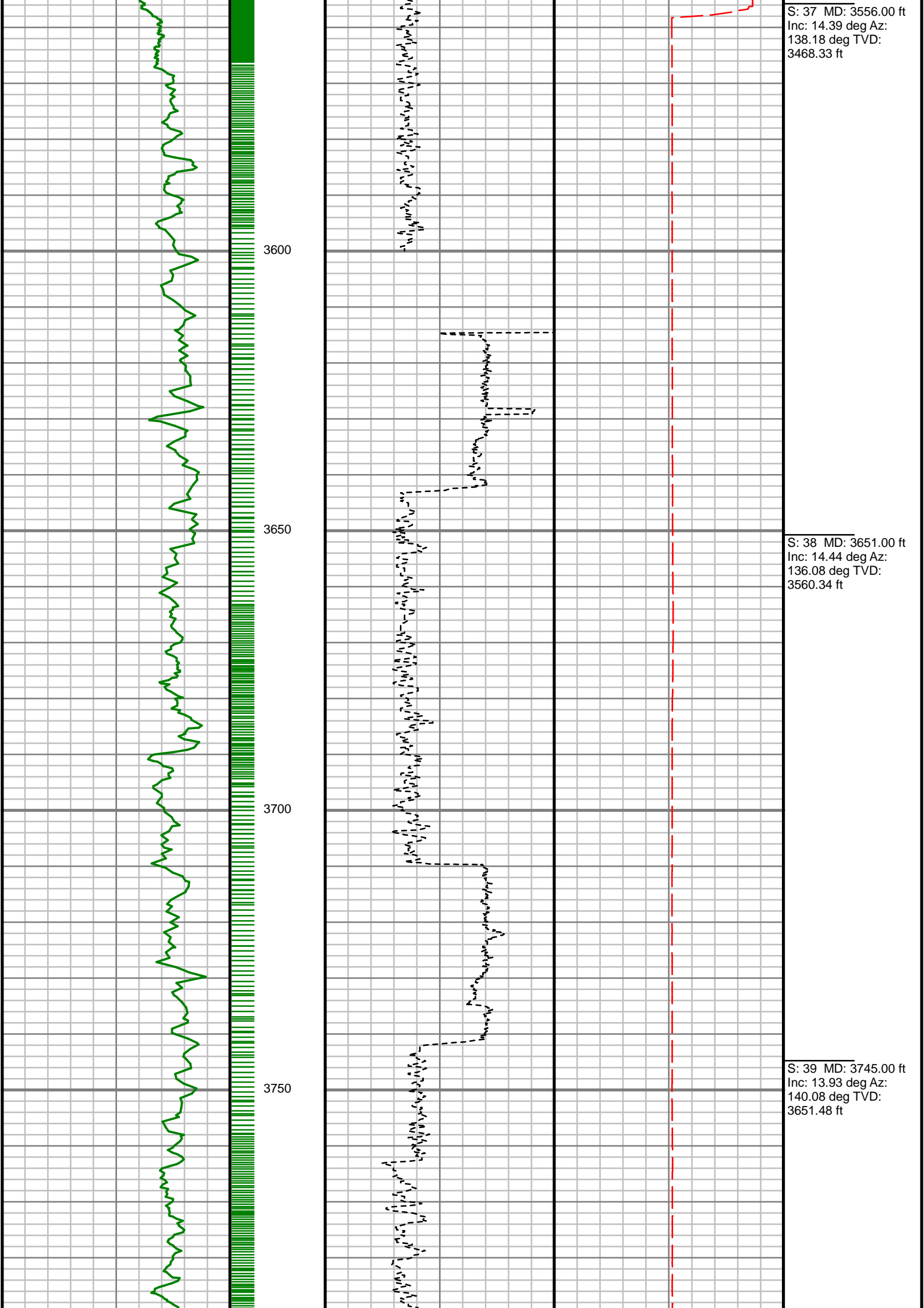






S: 35 MD: 3367.00 ft  
Inc: 14.52 deg Az:  
131.60 deg TVD:  
3285.23 ft

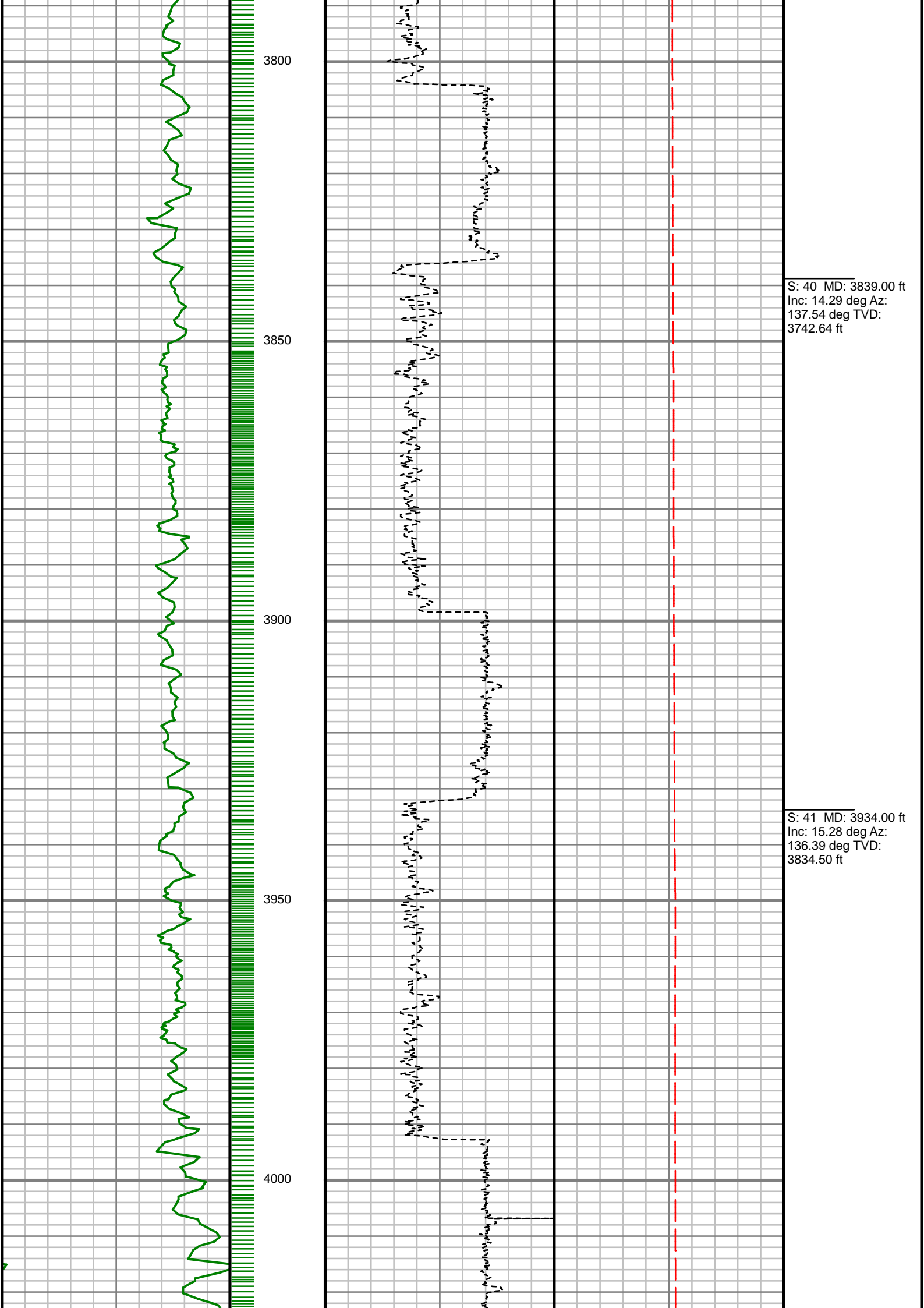
S: 36 MD: 3462.00 ft  
Inc: 14.26 deg Az:  
136.94 deg TVD:  
3377.25 ft

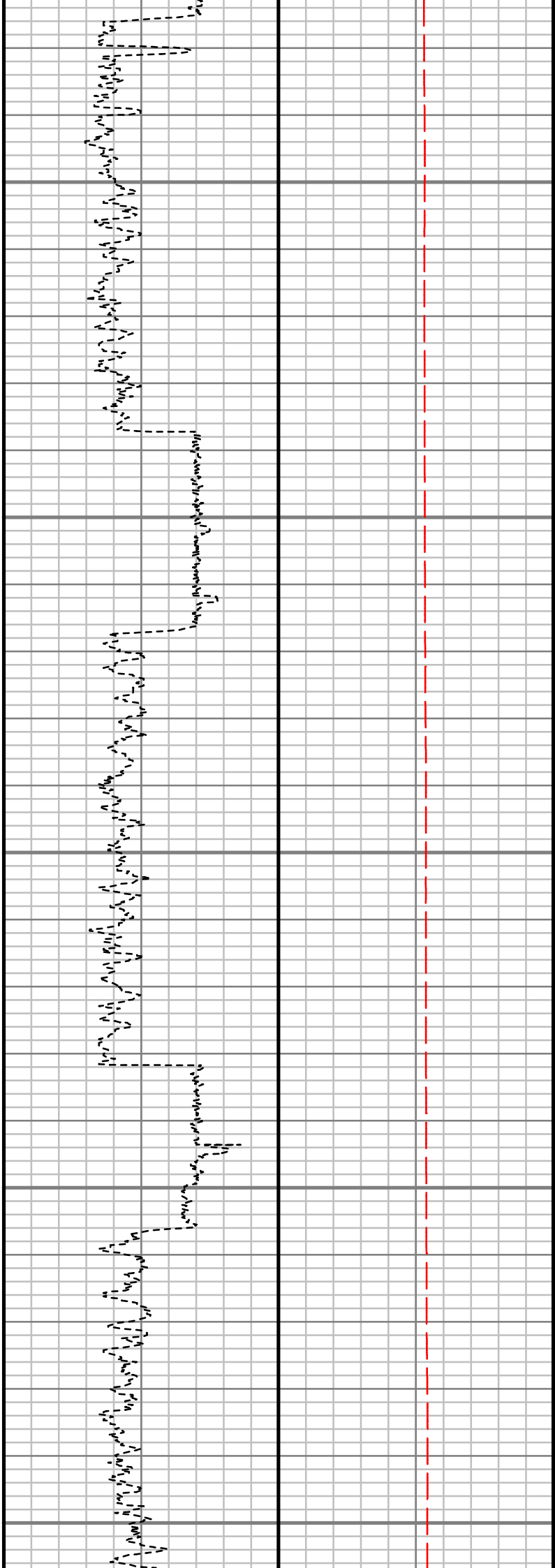
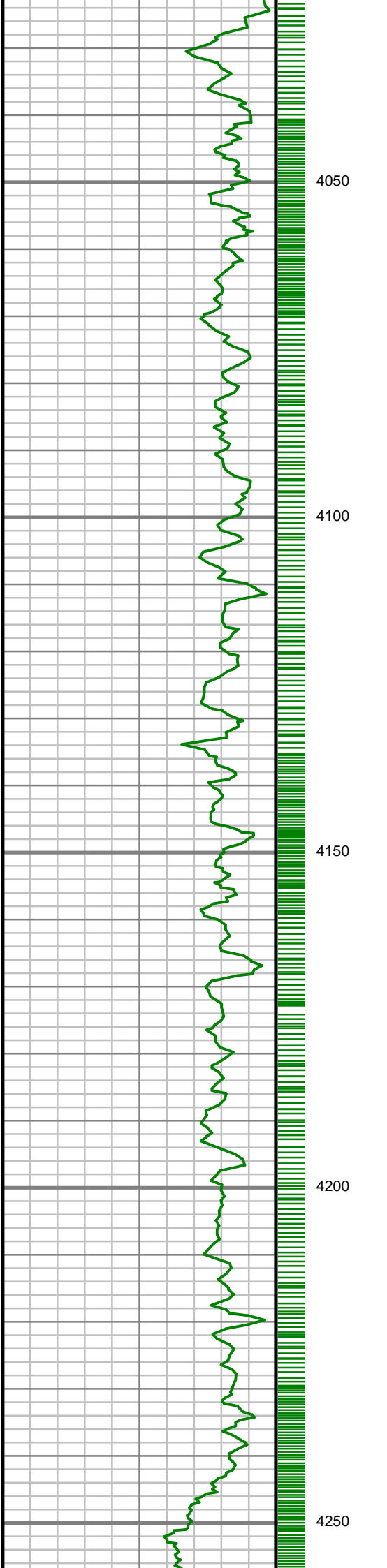


S: 37 MD: 3556.00 ft  
Inc: 14.39 deg Az:  
138.18 deg TVD:  
3468.33 ft

S: 38 MD: 3651.00 ft  
Inc: 14.44 deg Az:  
136.08 deg TVD:  
3560.34 ft

S: 39 MD: 3745.00 ft  
Inc: 13.93 deg Az:  
140.08 deg TVD:  
3651.48 ft

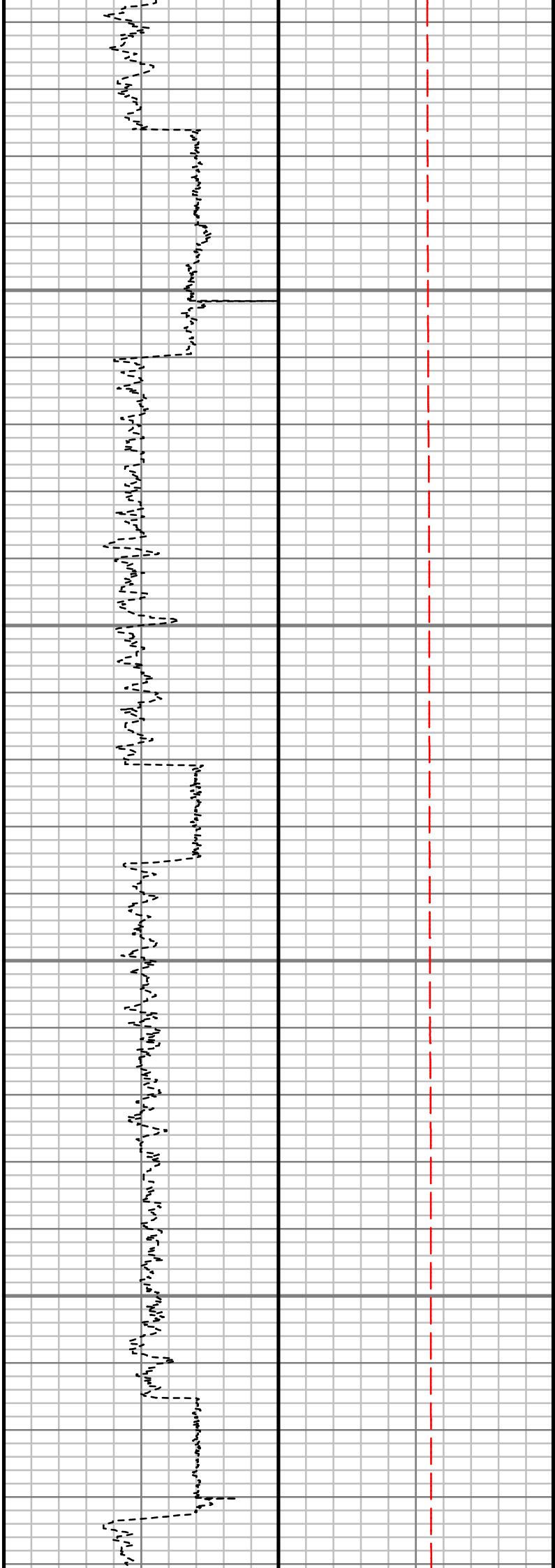
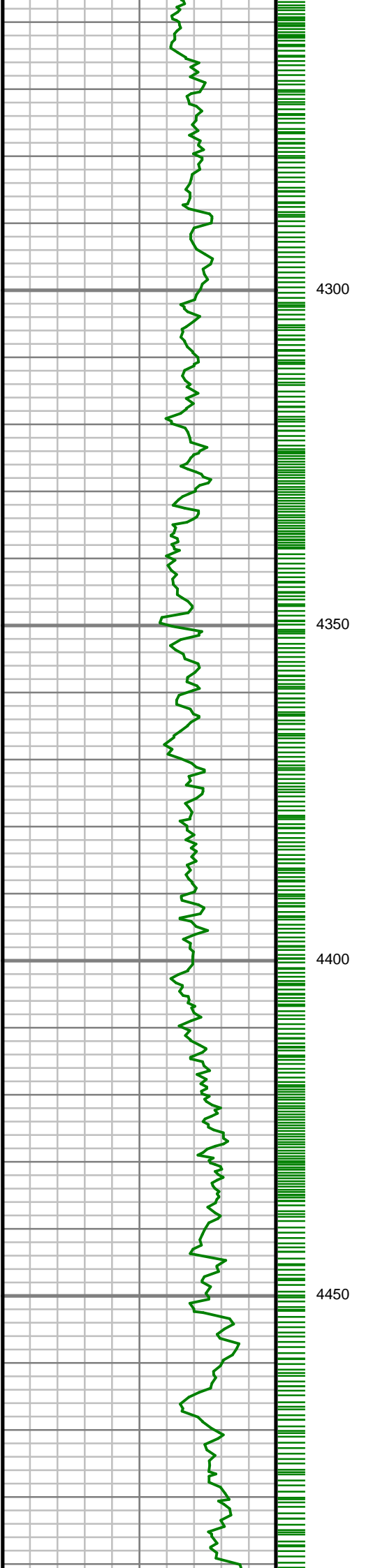




S: 42 MD: 4028.00 ft  
Inc: 15.38 deg Az:  
134.43 deg TVD:  
3925.15 ft

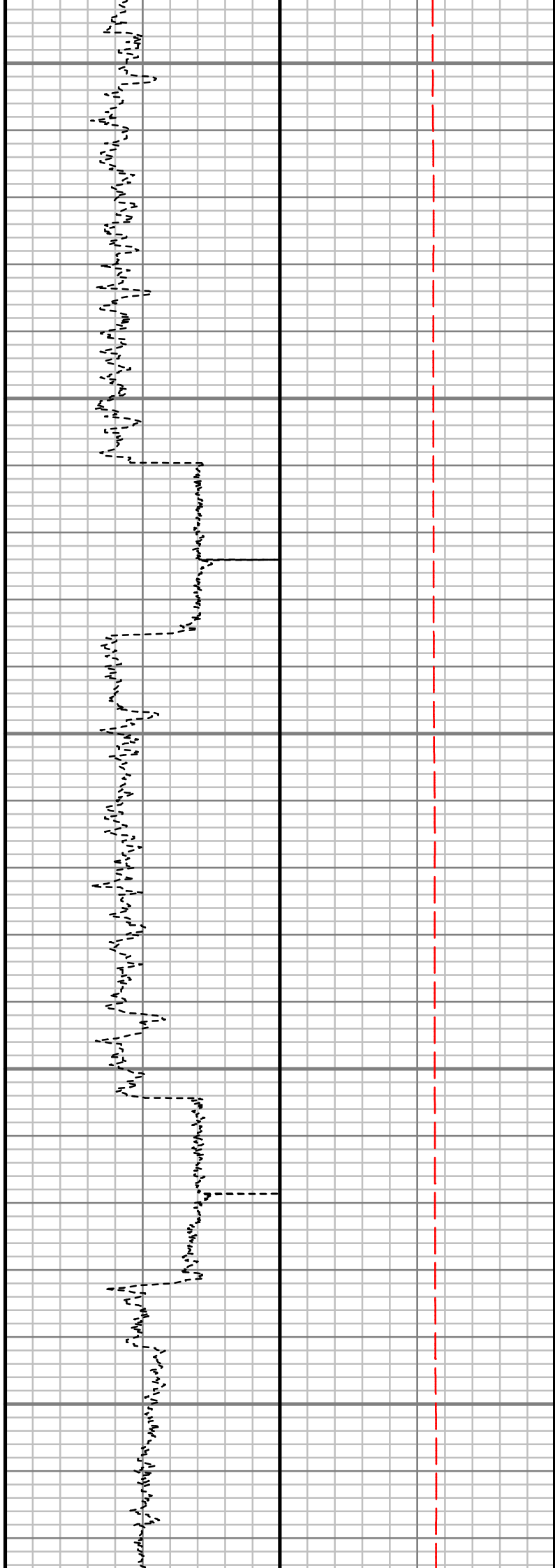
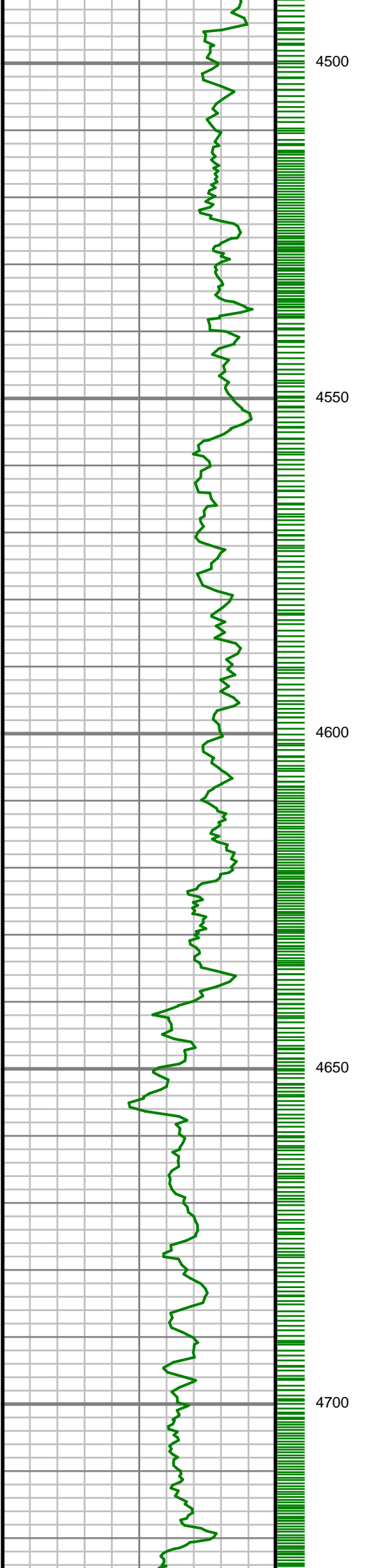
S: 43 MD: 4123.00 ft  
Inc: 15.28 deg Az:  
133.80 deg TVD:  
4016.77 ft

S: 44 MD: 4217.00 ft  
Inc: 15.19 deg Az:  
137.20 deg TVD:  
4107.47 ft



S: 45 MD: 4311.00 ft  
Inc: 16.17 deg Az:  
137.47 deg TVD:  
4197.97 ft

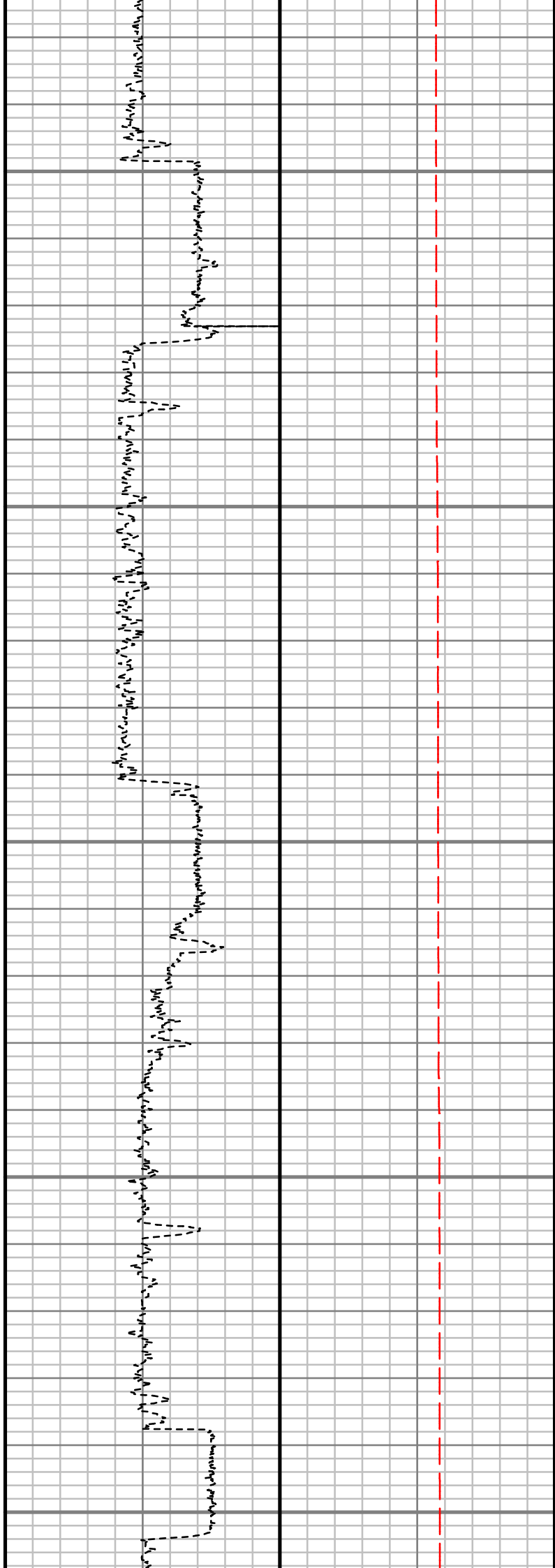
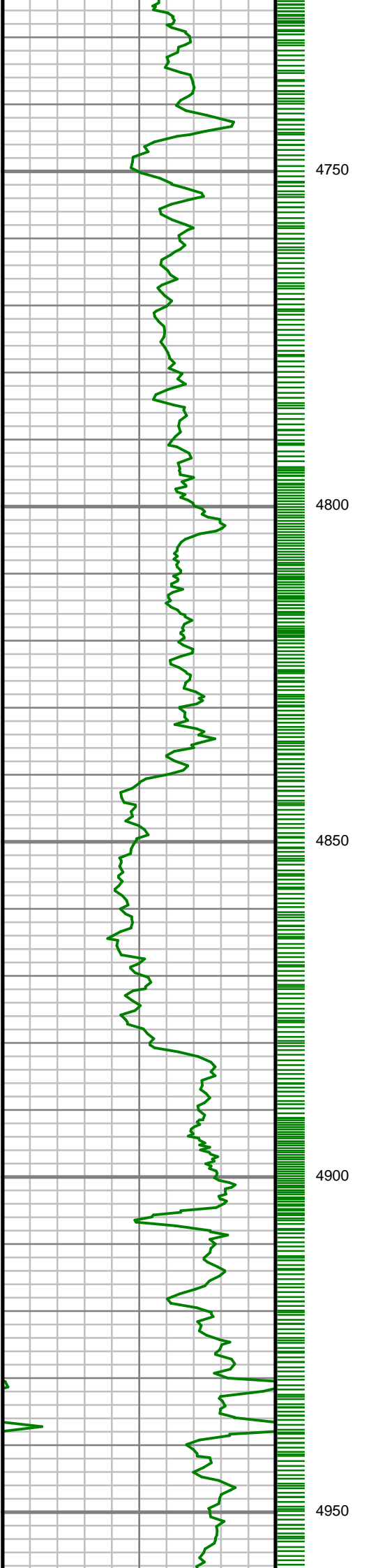
S: 46 MD: 4406.00 ft  
Inc: 15.83 deg Az:  
136.84 deg TVD:  
4289.29 ft



S: 47 MD: 4501.00 ft  
Inc: 14.68 deg Az:  
135.25 deg TVD:  
4380.94 ft

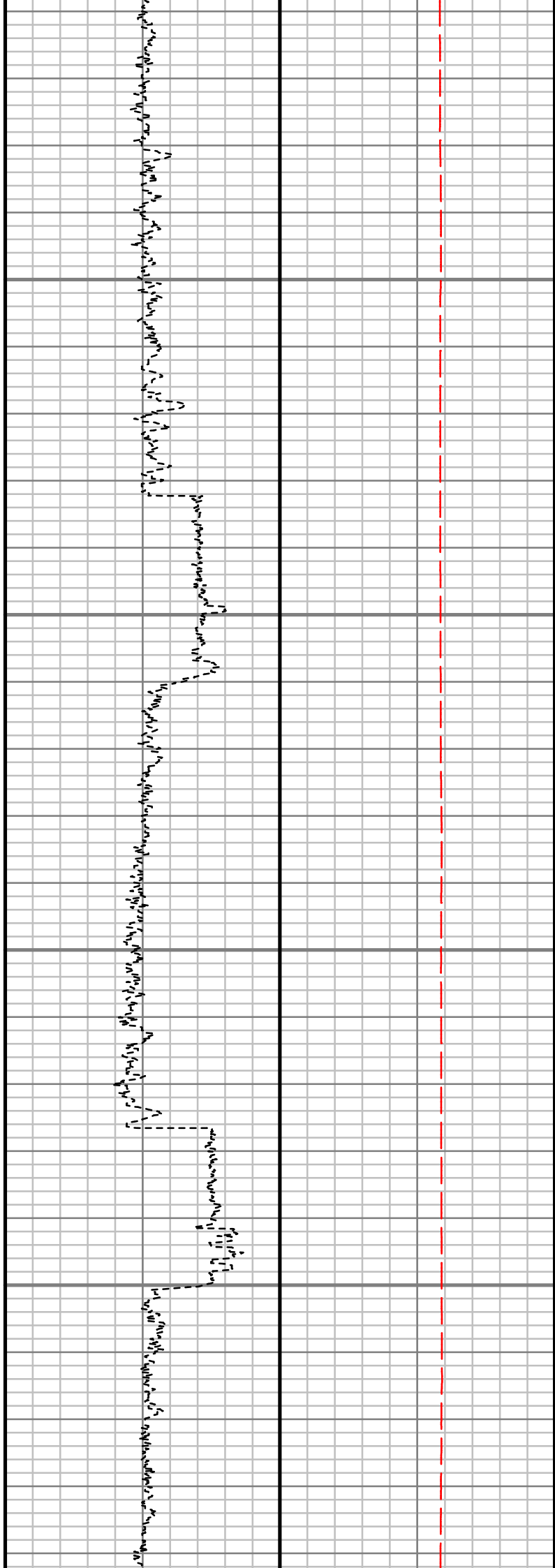
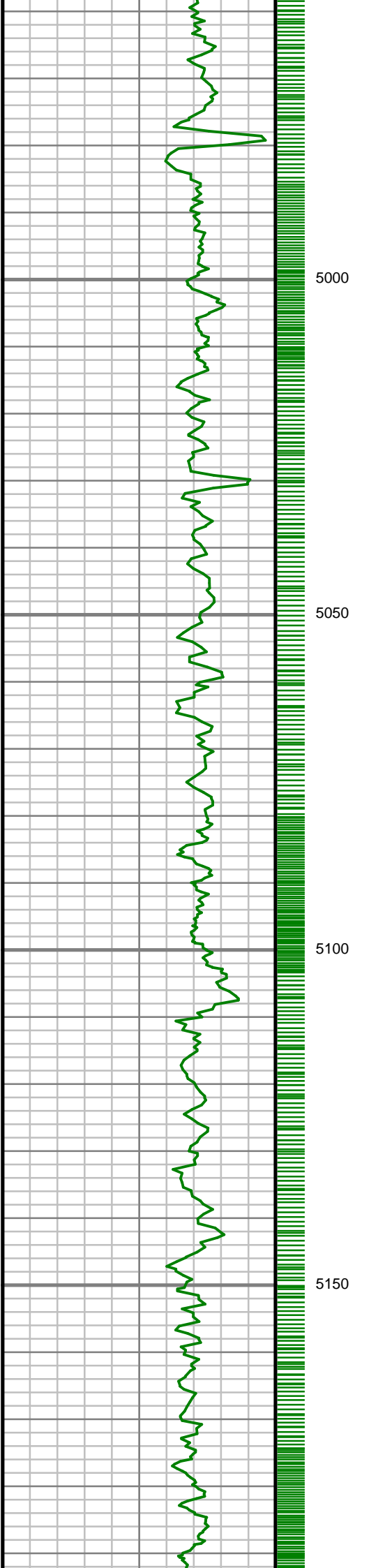
S: 48 MD: 4595.00 ft  
Inc: 13.99 deg Az:  
137.78 deg TVD:  
4472.01 ft

S: 49 MD: 4689.00 ft  
Inc: 14.39 deg Az:  
143.30 deg TVD:  
4563.15 ft



S: 50 MD: 4784.00 ft  
Inc: 15.05 deg Az:  
142.16 deg TVD:  
4655.03 ft

S: 51 MD: 4878.00 ft  
Inc: 14.38 deg Az:  
141.97 deg TVD:  
4745.95 ft

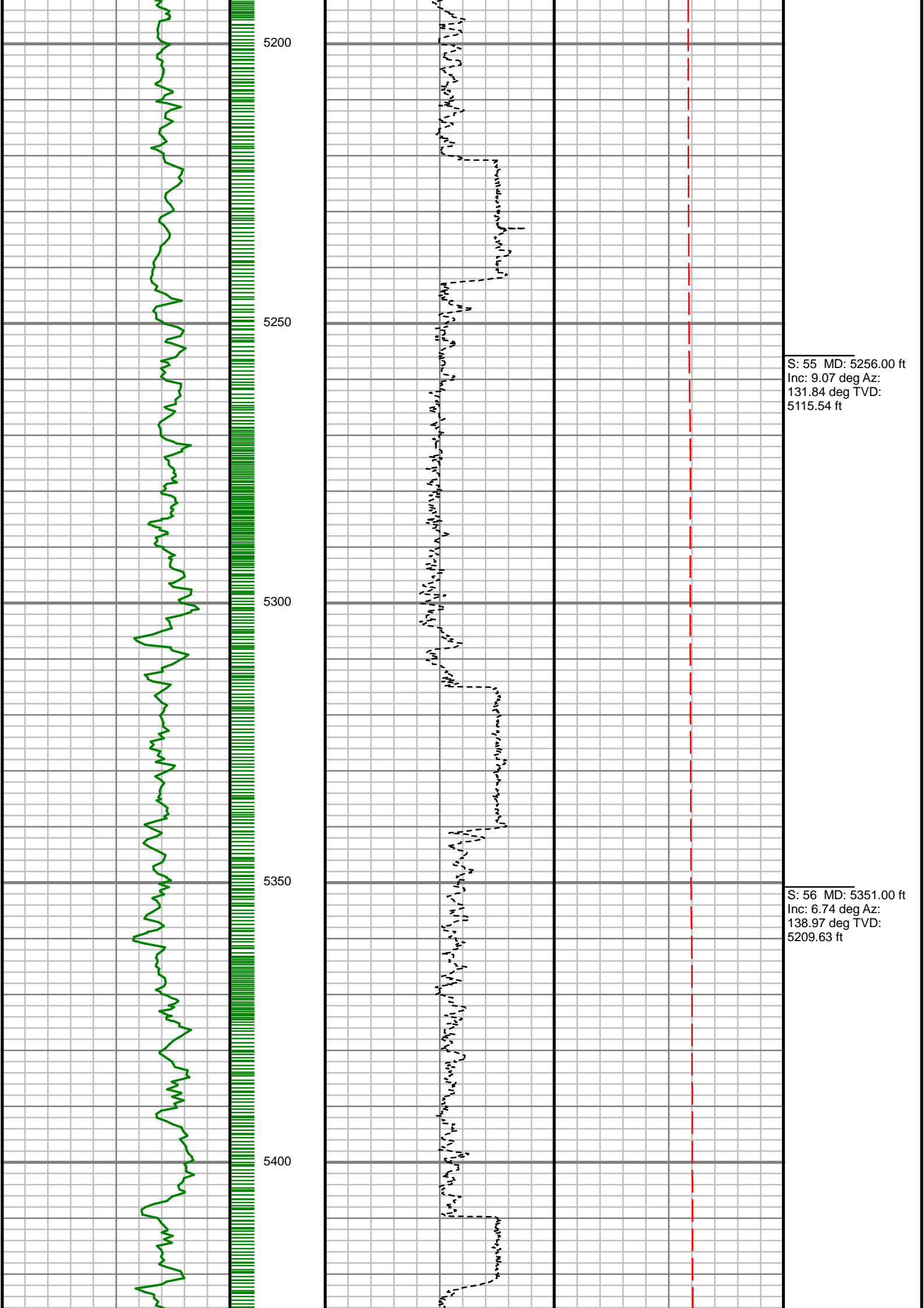


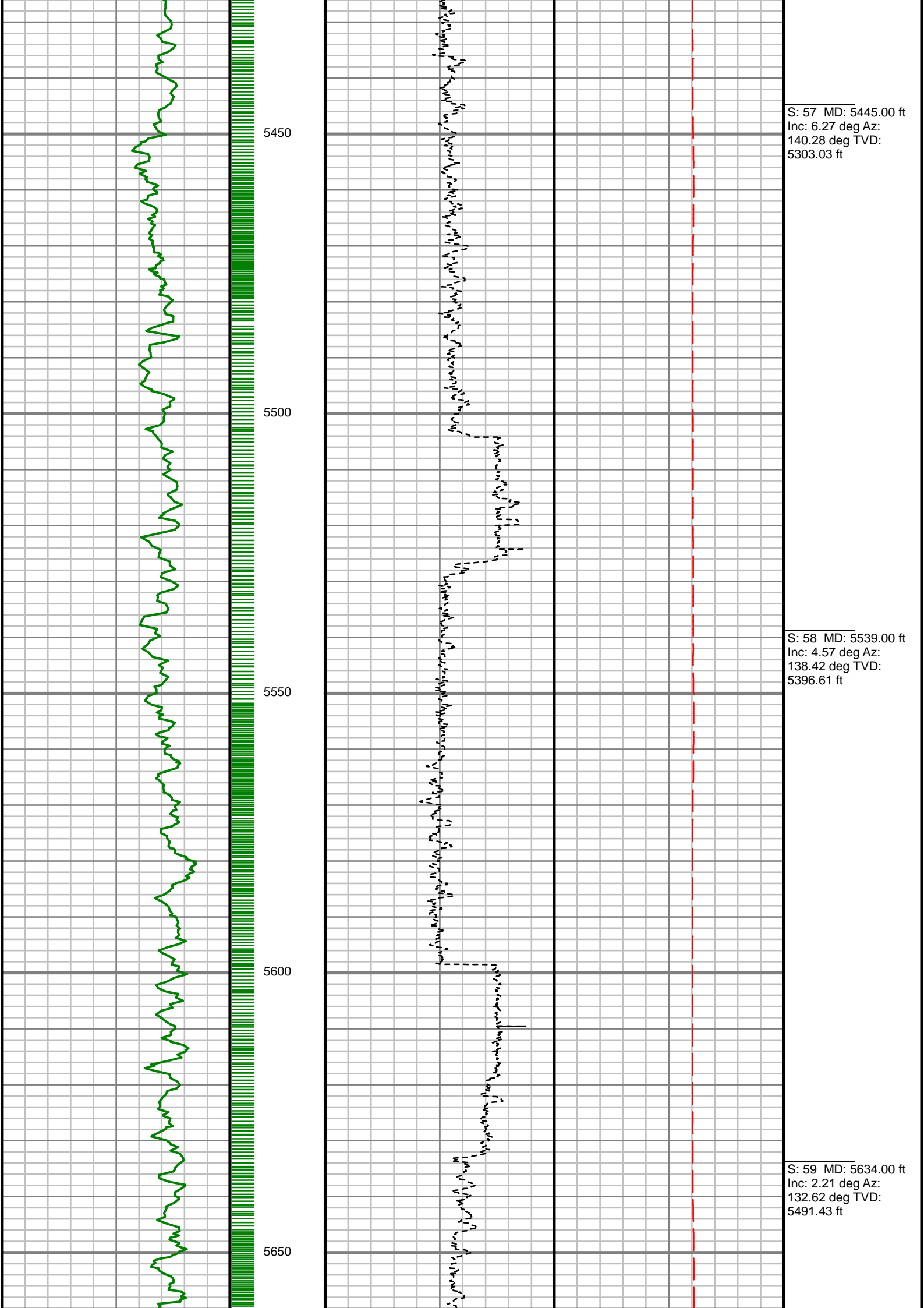
S: 52 MD: 4973.00 ft  
Inc: 13.95 deg Az:  
142.97 deg TVD:  
4838.06 ft

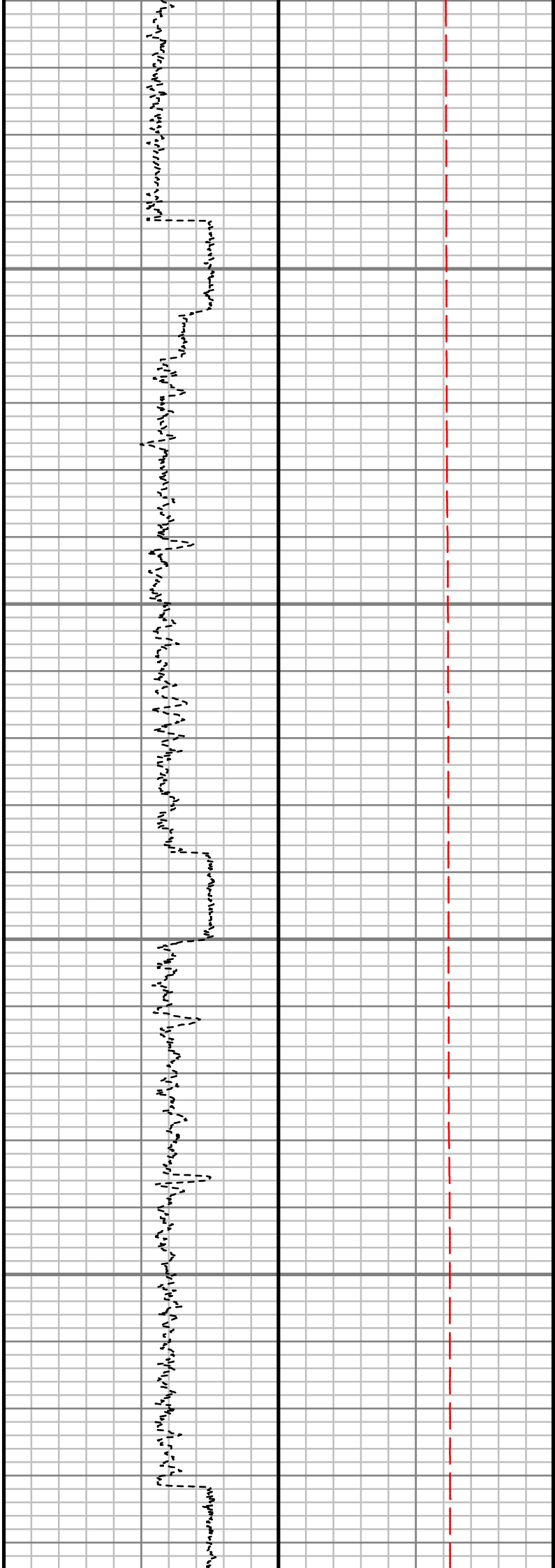
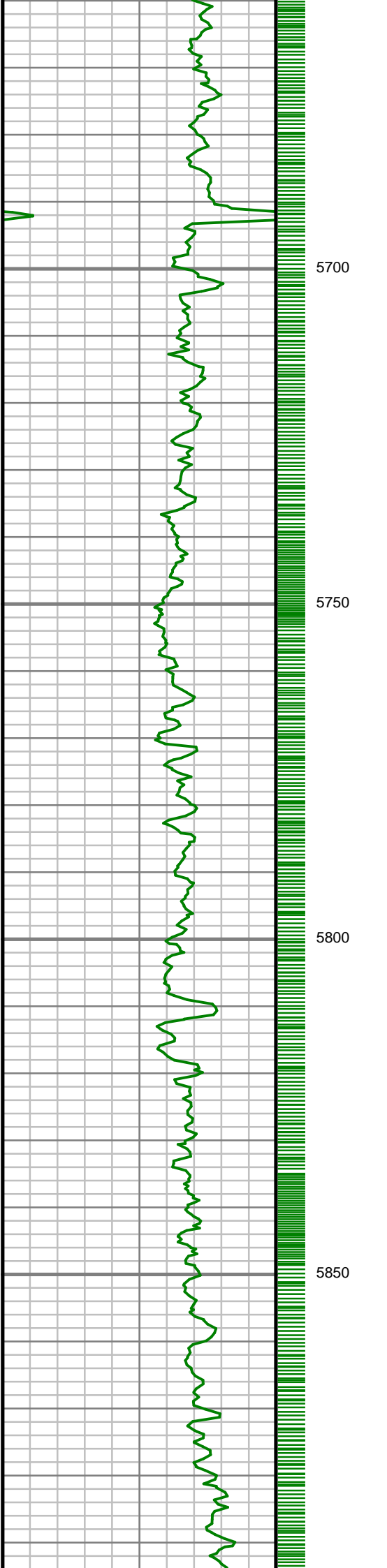
S: 53 MD: 5067.00 ft  
Inc: 12.17 deg Az:  
136.42 deg TVD:  
4929.63 ft

S: 54 MD: 5162.00 ft  
Inc: 10.04 deg Az:  
137.10 deg TVD:  
5022.84 ft



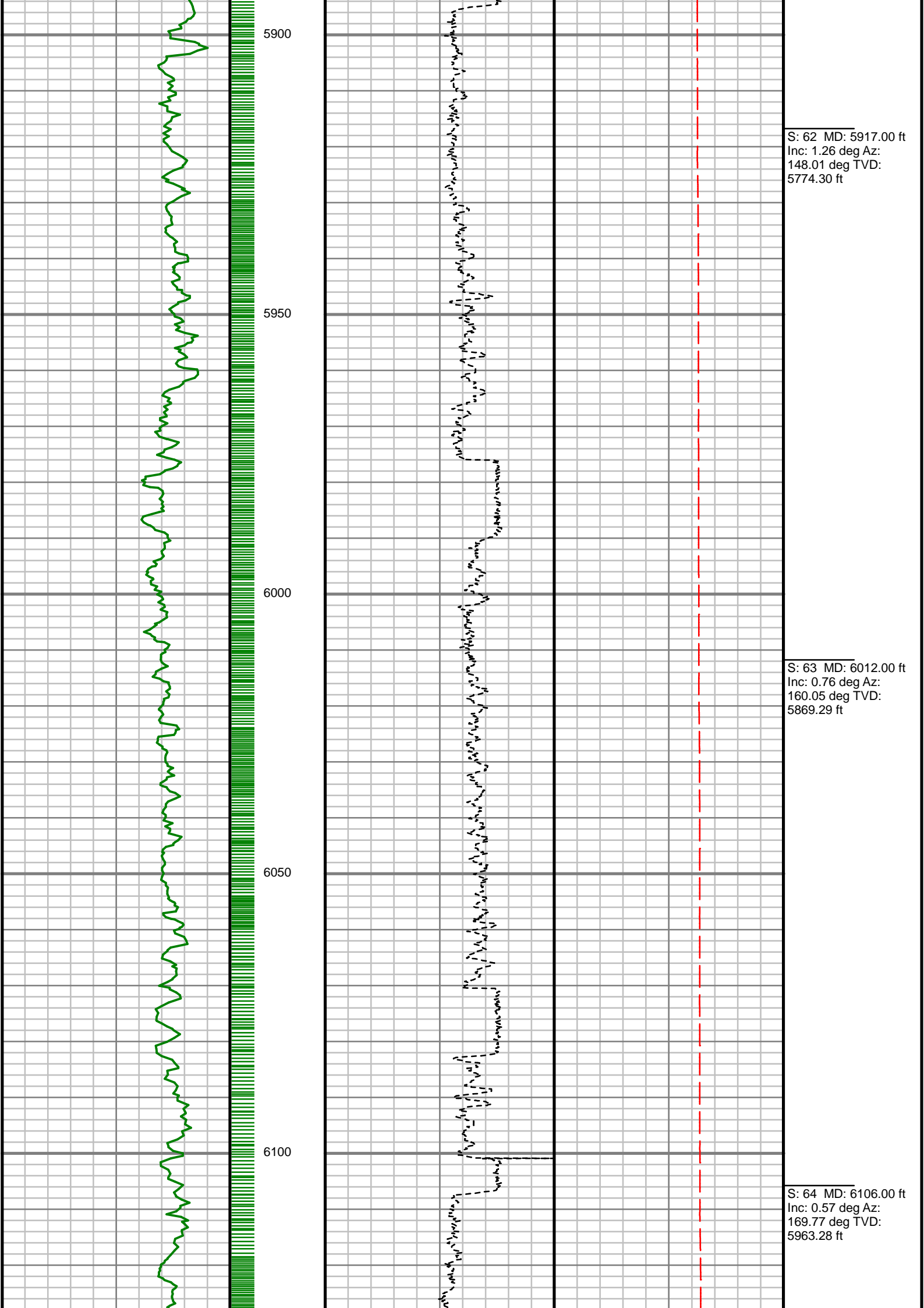


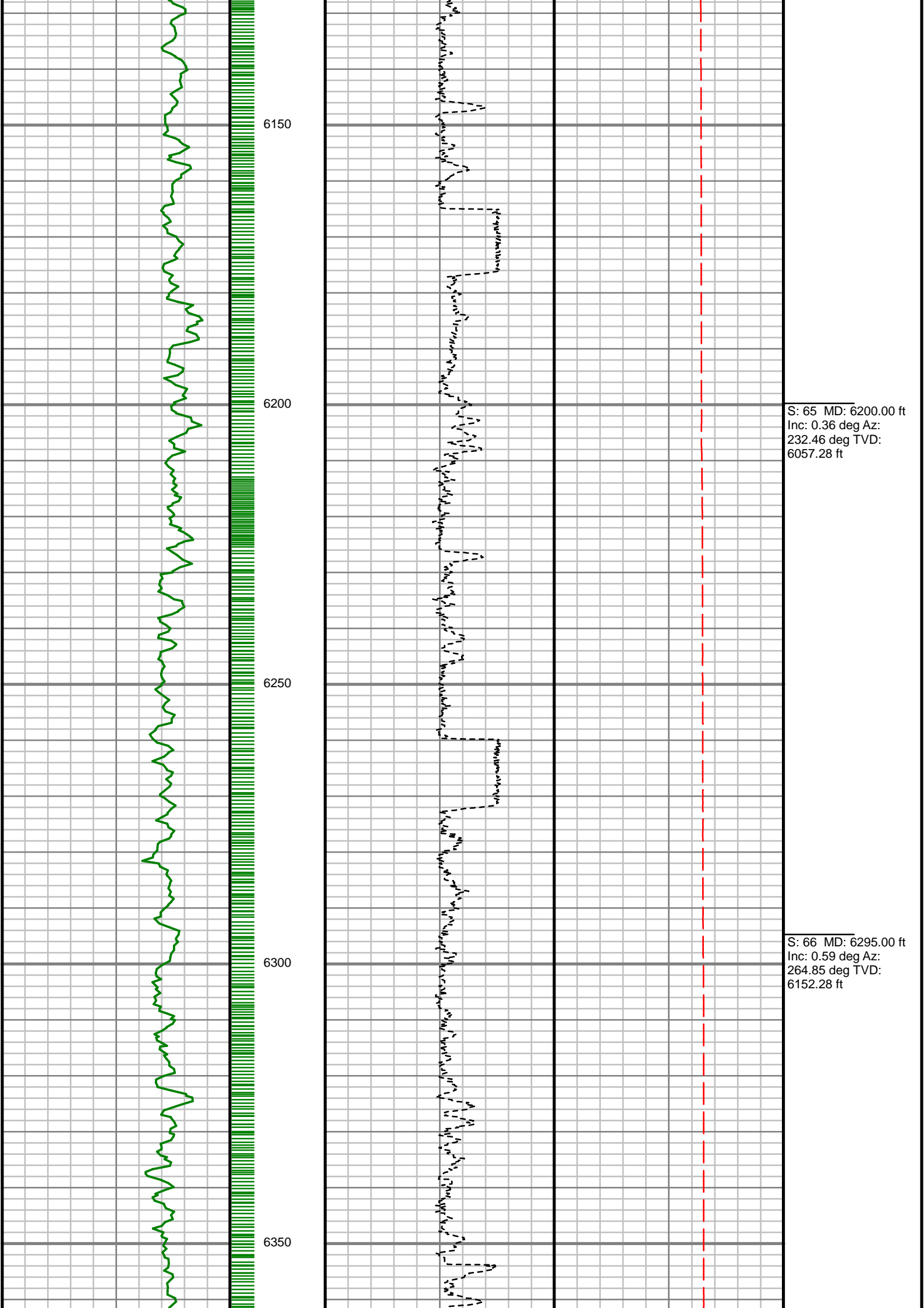


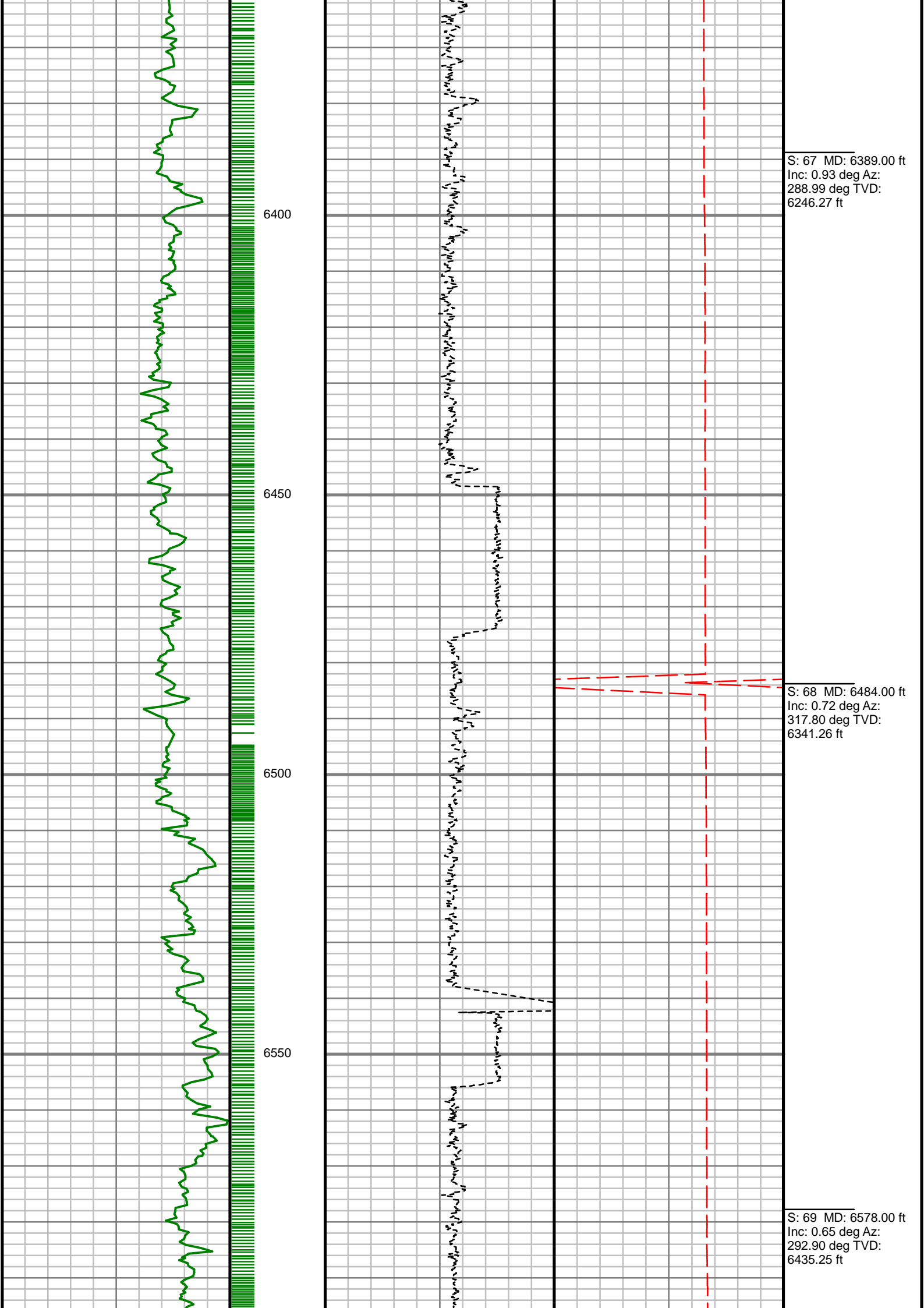


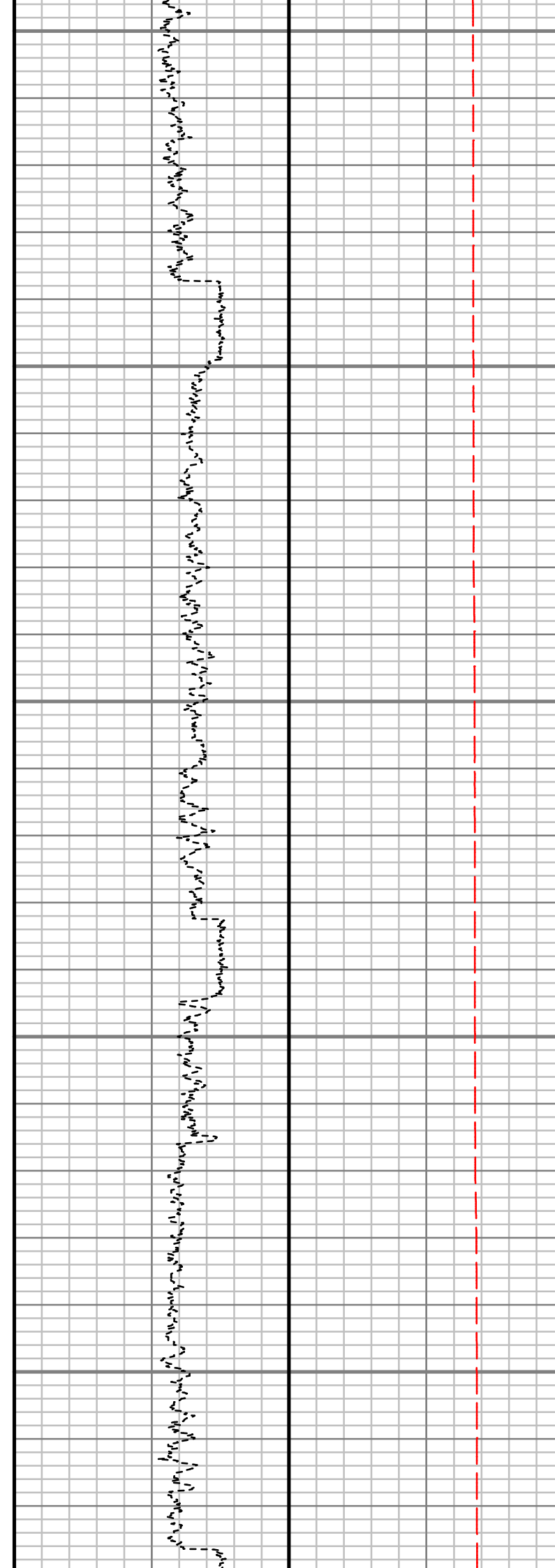
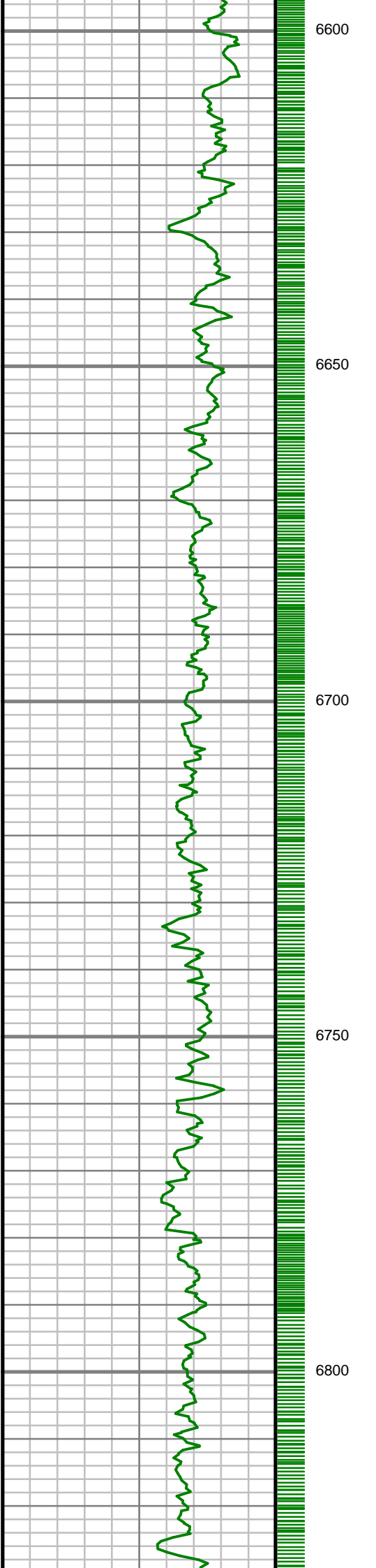
S: 60 MD: 5728.00 ft  
Inc: 1.80 deg Az:  
131.09 deg TVD:  
5585.38 ft

S: 61 MD: 5823.00 ft  
Inc: 1.61 deg Az:  
138.76 deg TVD:  
5680.33 ft



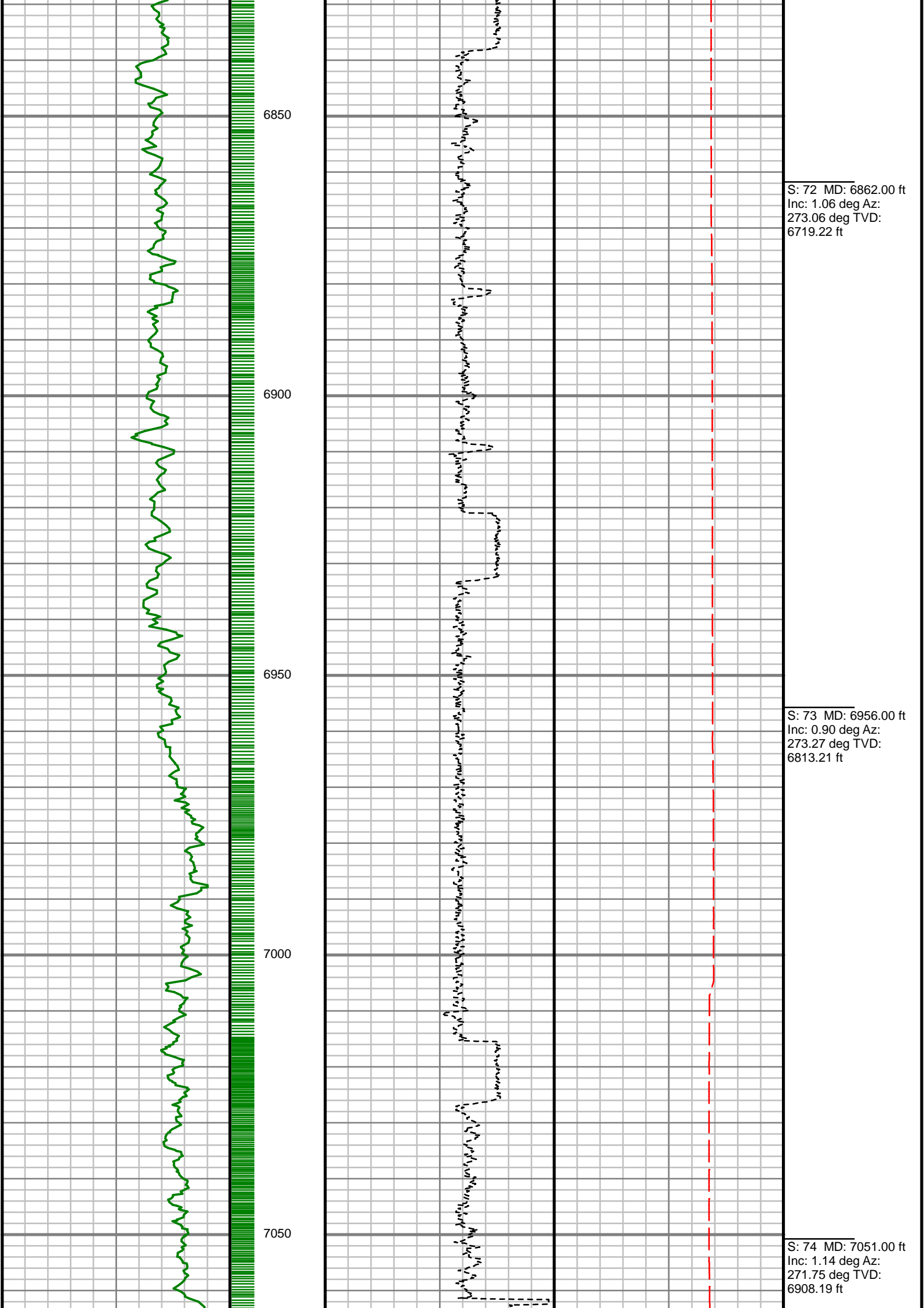




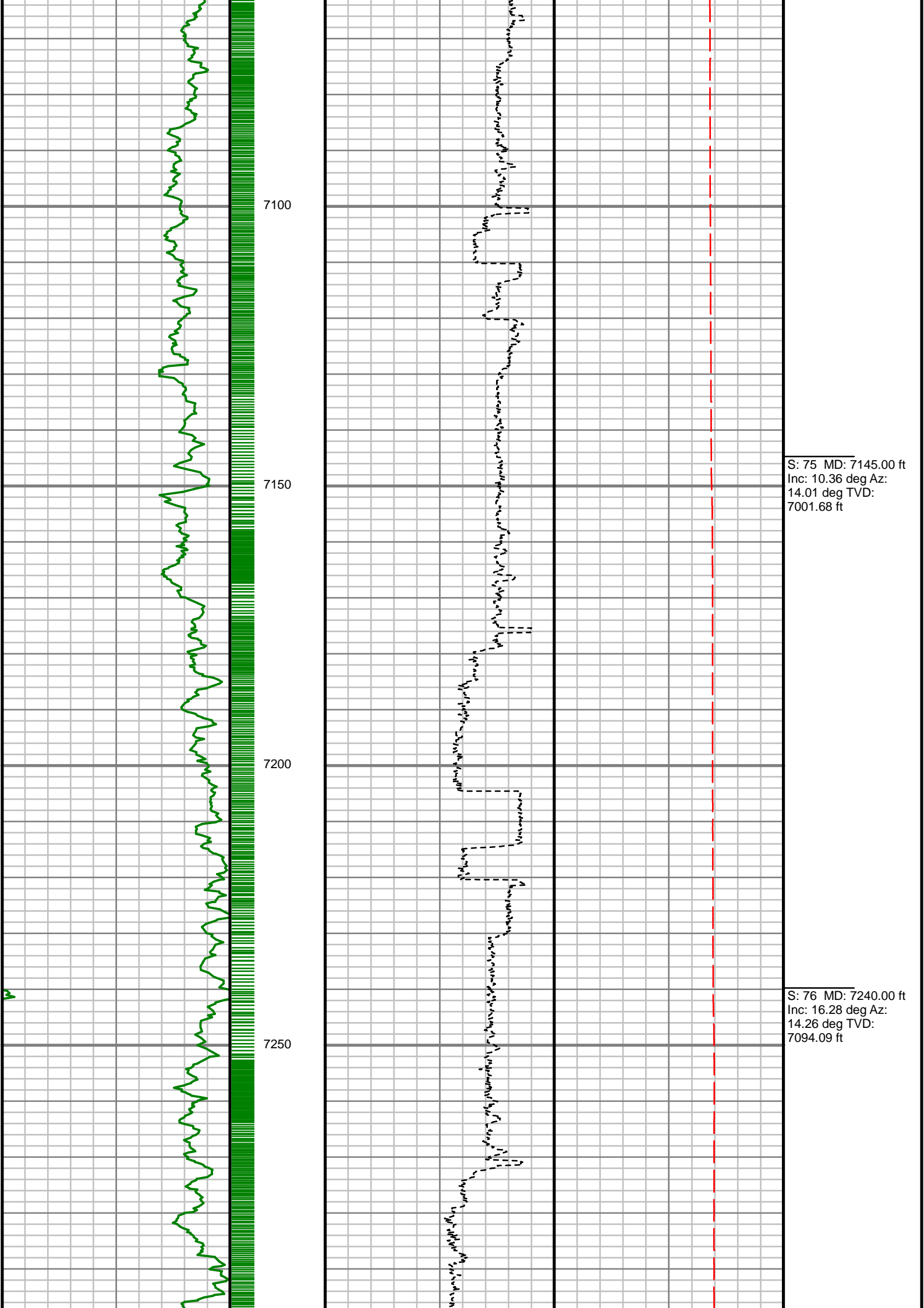


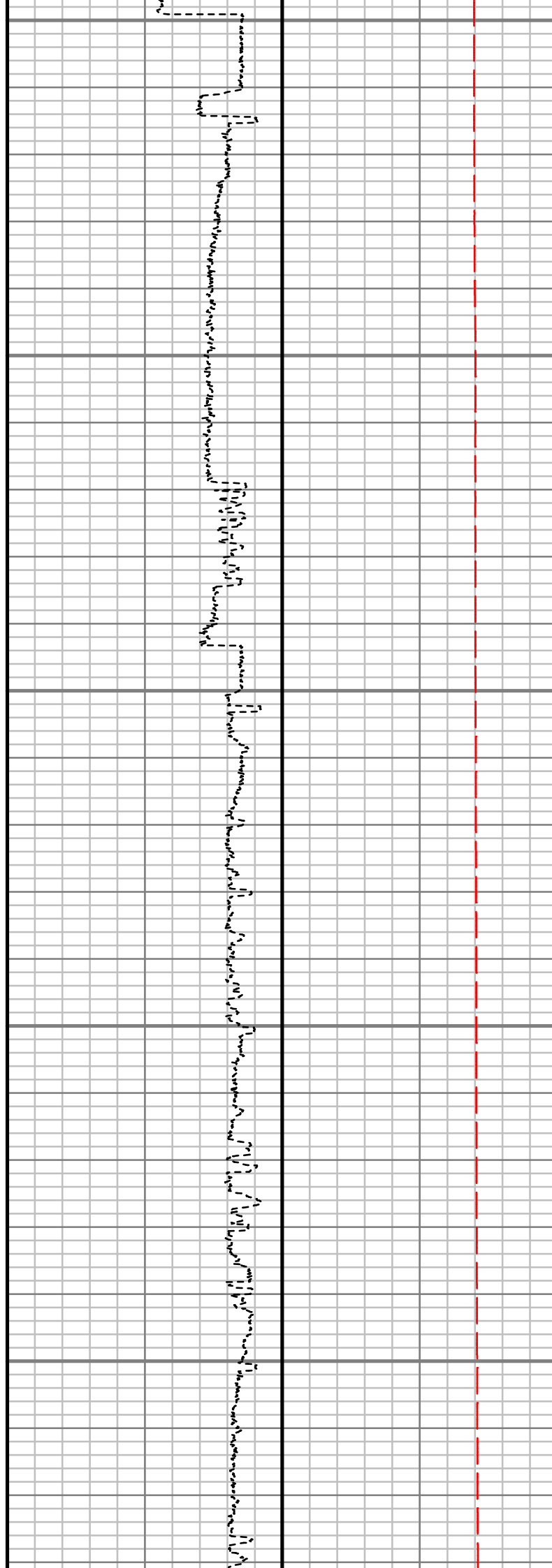
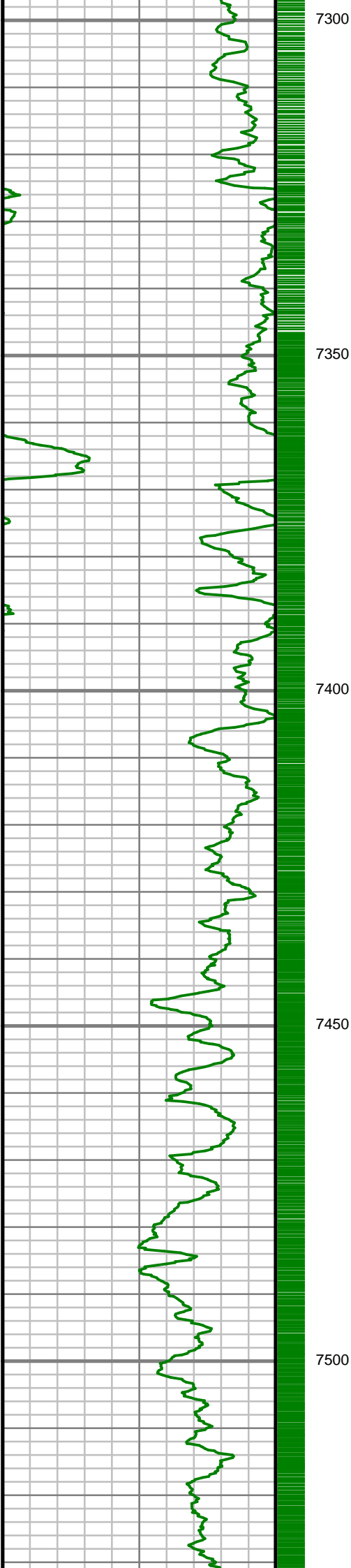
S: 70 MD: 6673.00 ft  
Inc: 0.82 deg Az:  
297.21 deg TVD:  
6530.24 ft

S: 71 MD: 6767.00 ft  
Inc: 0.97 deg Az:  
267.72 deg TVD:  
6624.23 ft





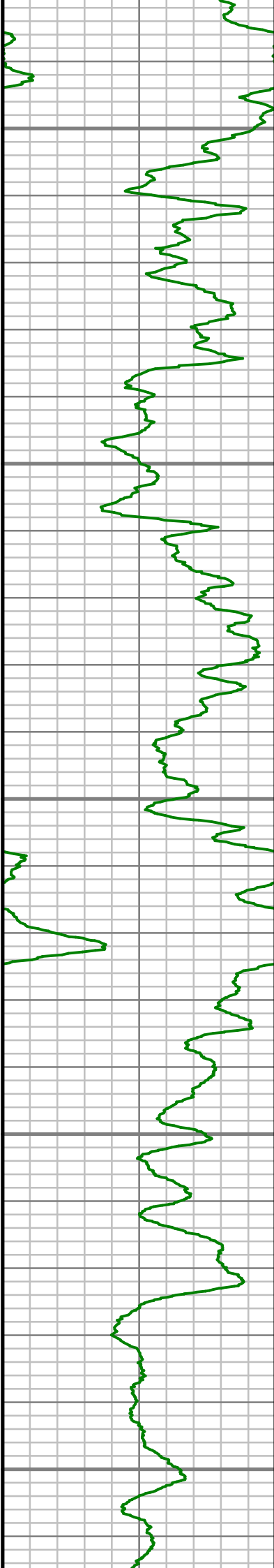




S: 77 MD: 7334.00 ft  
Inc: 21.82 deg Az:  
14.19 deg TVD:  
7182.90 ft

S: 78 MD: 7429.00 ft  
Inc: 30.01 deg Az:  
10.82 deg TVD:  
7268.28 ft

S: 79 MD: 7523.00 ft  
Inc: 40.48 deg Az: 2.99  
deg TVD: 7344.99 ft



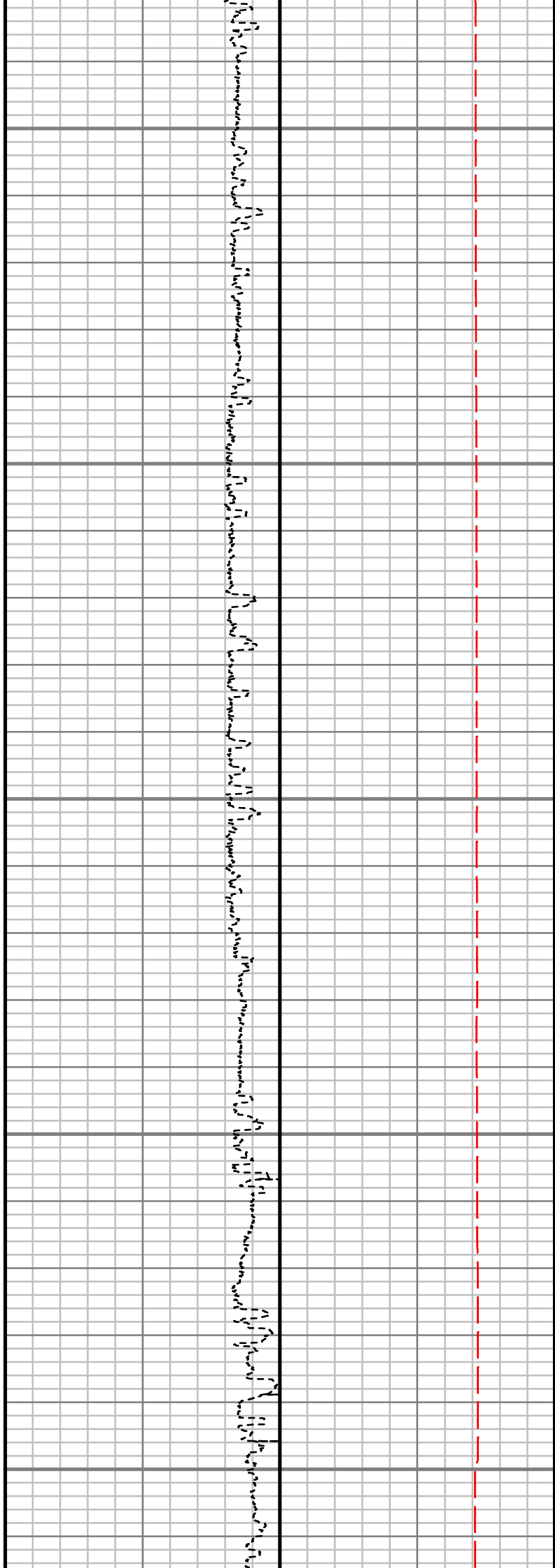
7550

7600

7650

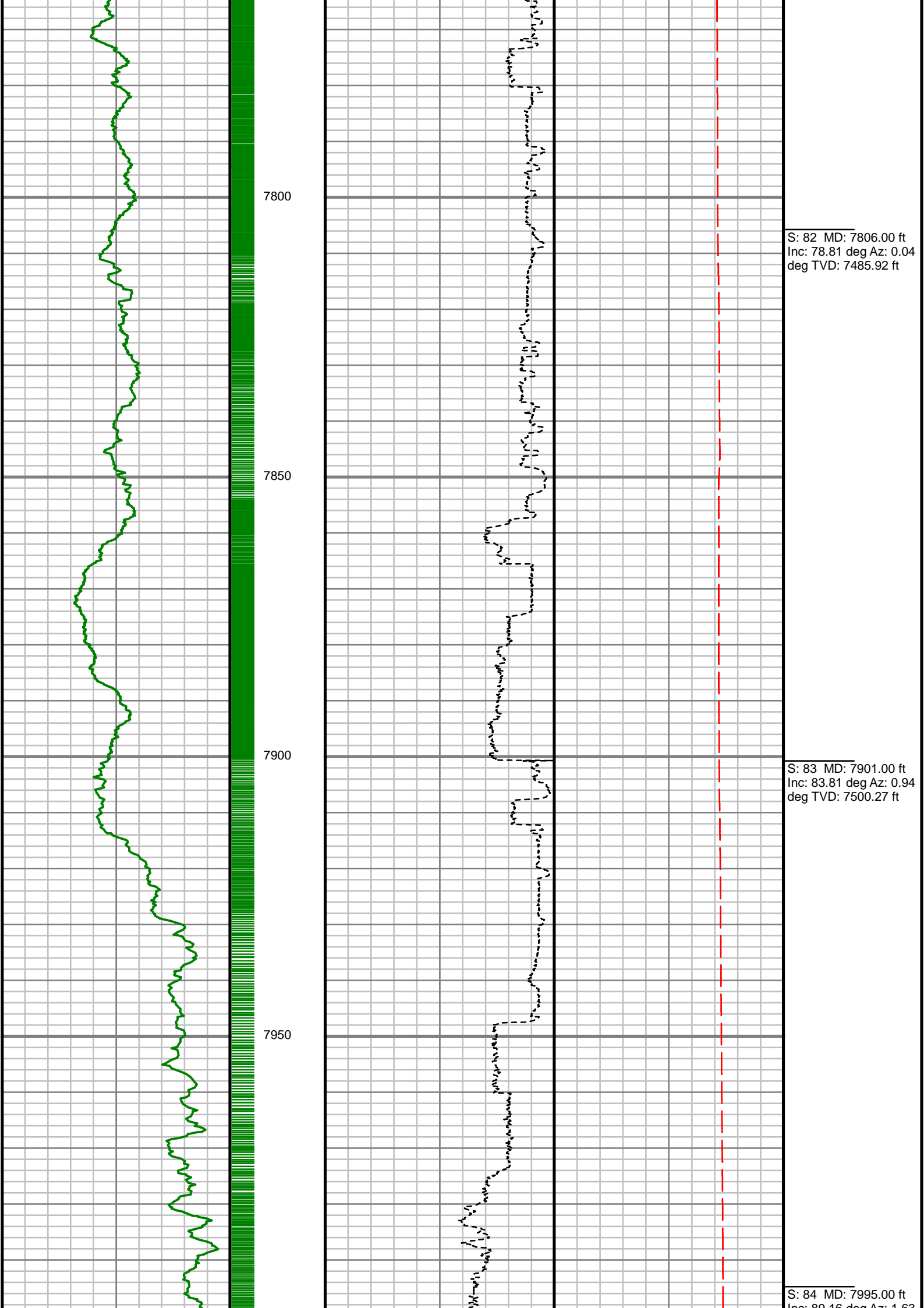
7700

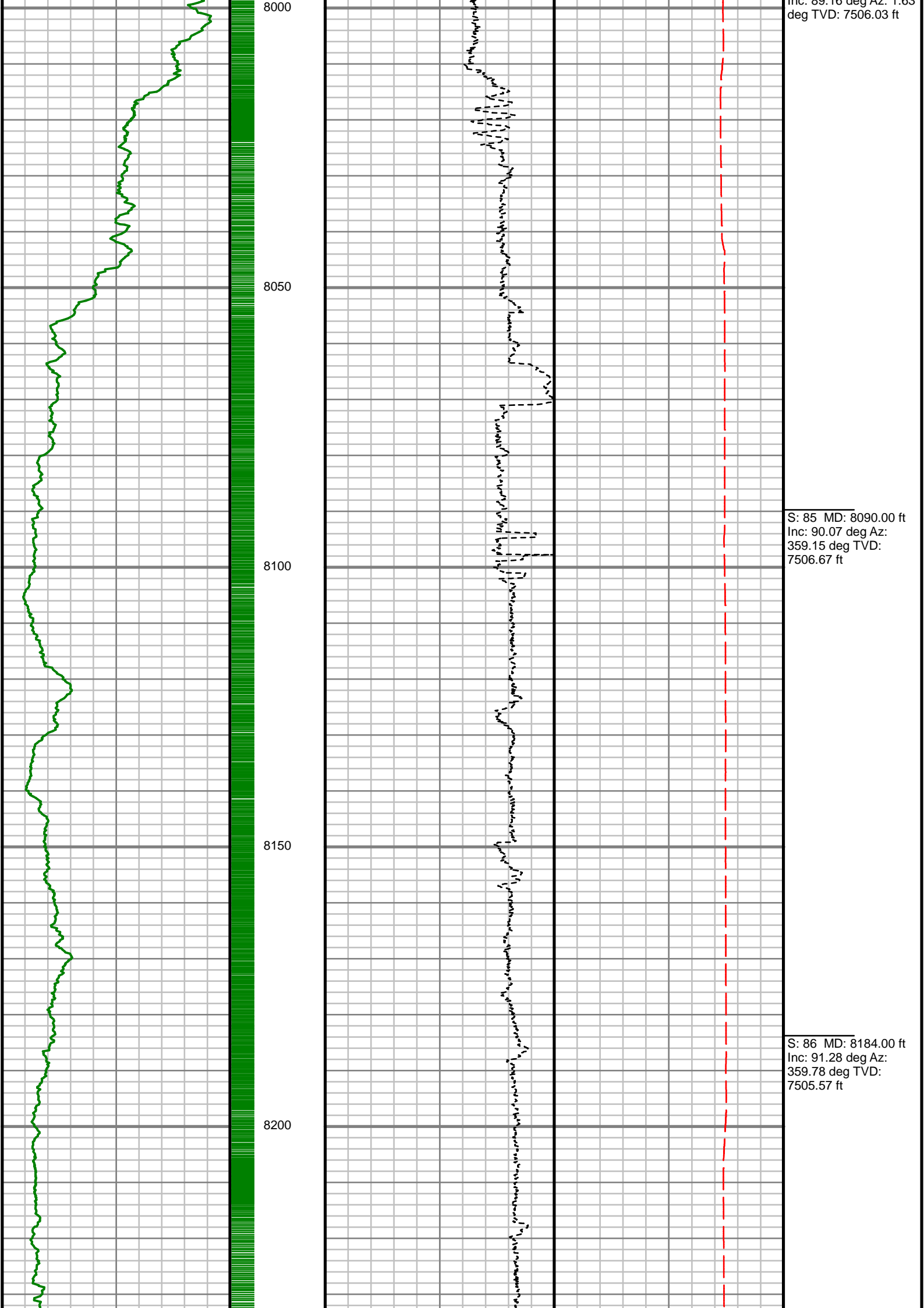
7750



S: 80 MD: 7618.00 ft  
Inc: 52.64 deg Az: 6.13  
deg TVD: 7410.20 ft

S: 81 MD: 7712.00 ft  
Inc: 66.34 deg Az: 1.12  
deg TVD: 7457.83 ft

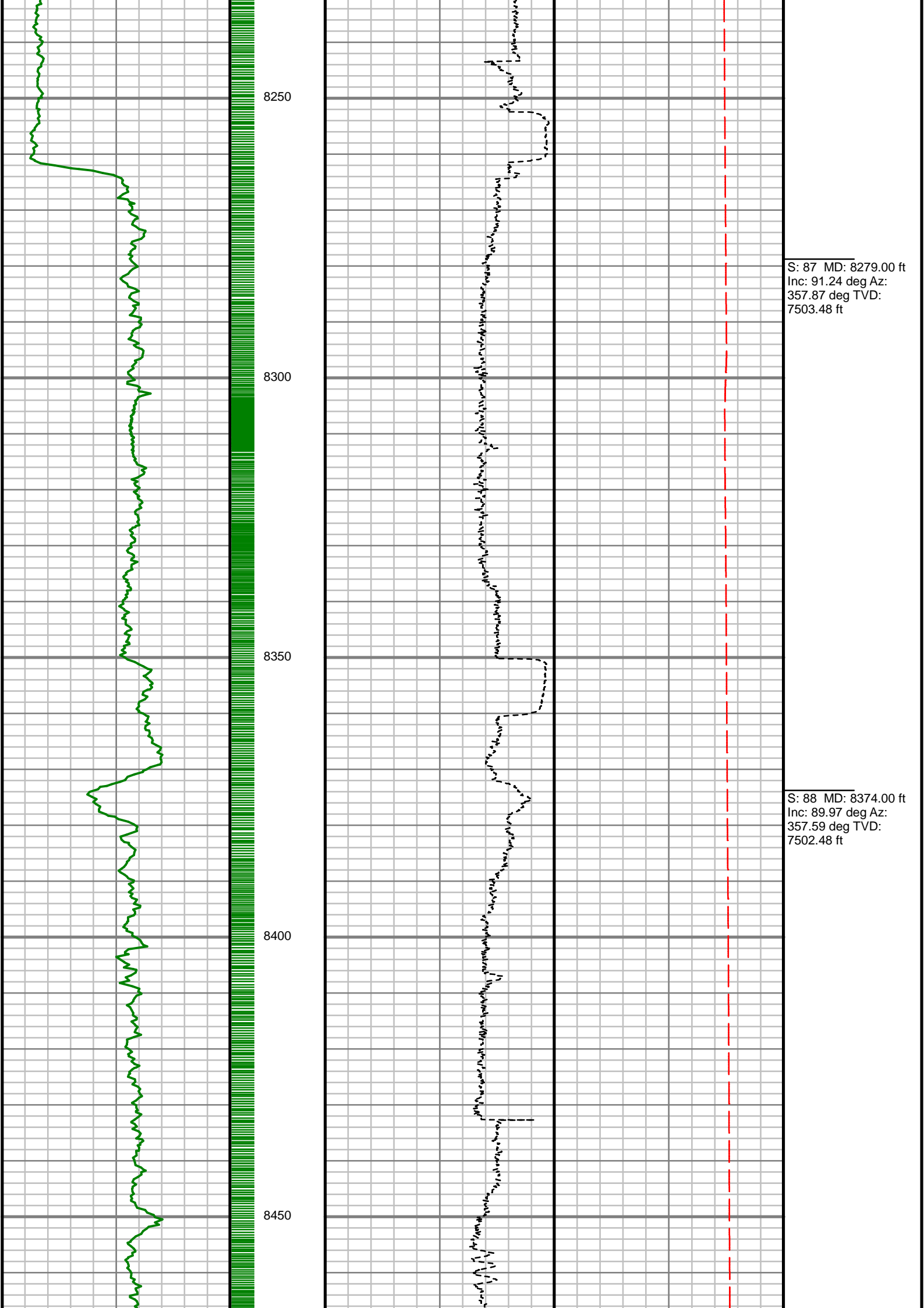




Inc: 89.16 deg Az: 1.63  
deg TVD: 7506.03 ft

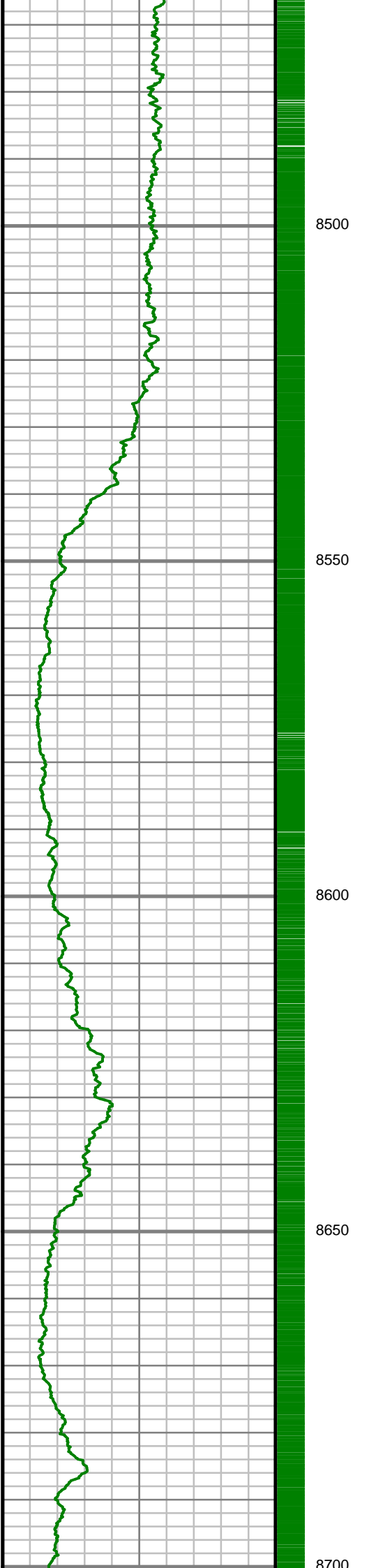
S: 85 MD: 8090.00 ft  
Inc: 90.07 deg Az:  
359.15 deg TVD:  
7506.67 ft

S: 86 MD: 8184.00 ft  
Inc: 91.28 deg Az:  
359.78 deg TVD:  
7505.57 ft

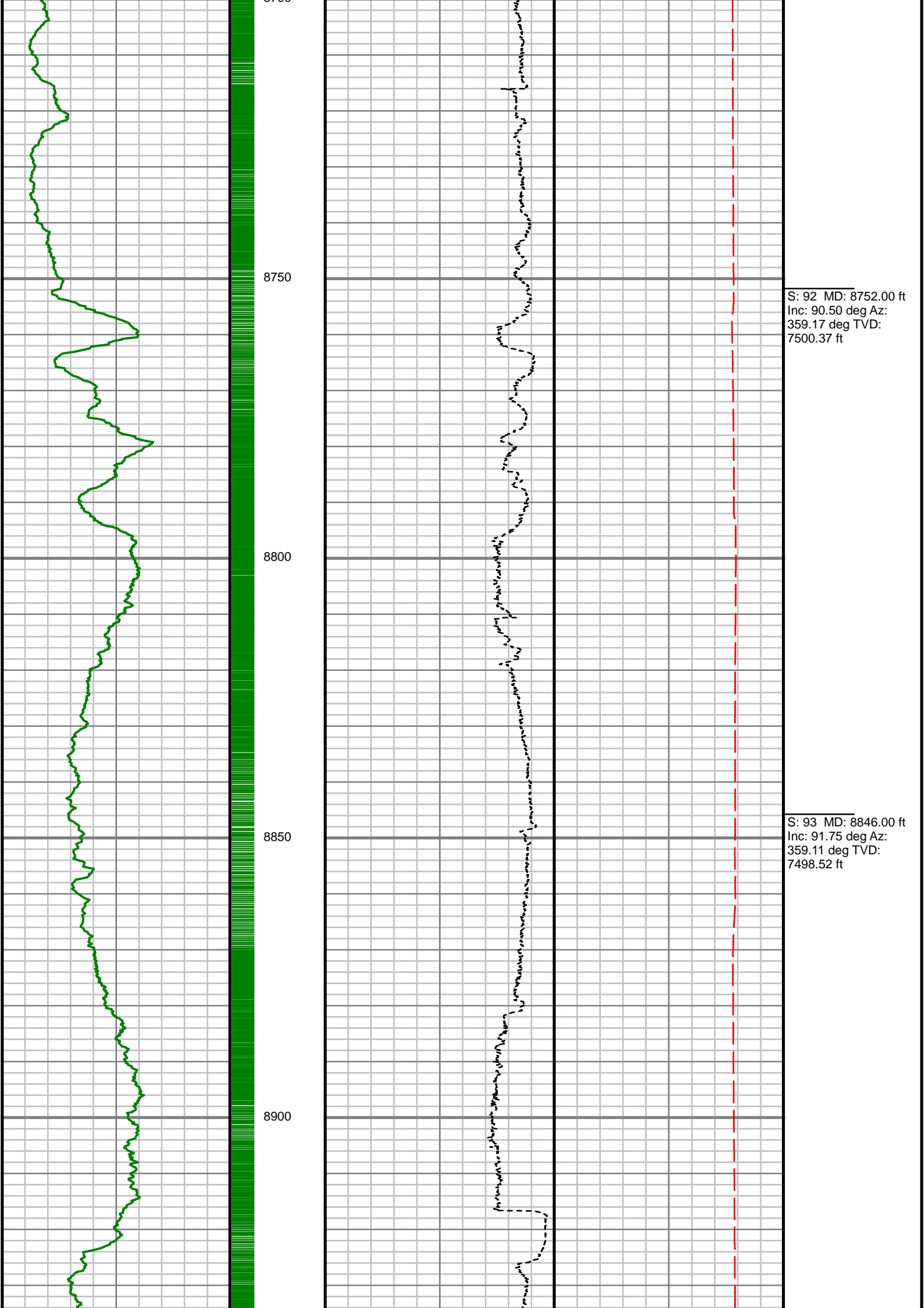


S: 87 MD: 8279.00 ft  
Inc: 91.24 deg Az:  
357.87 deg TVD:  
7503.48 ft

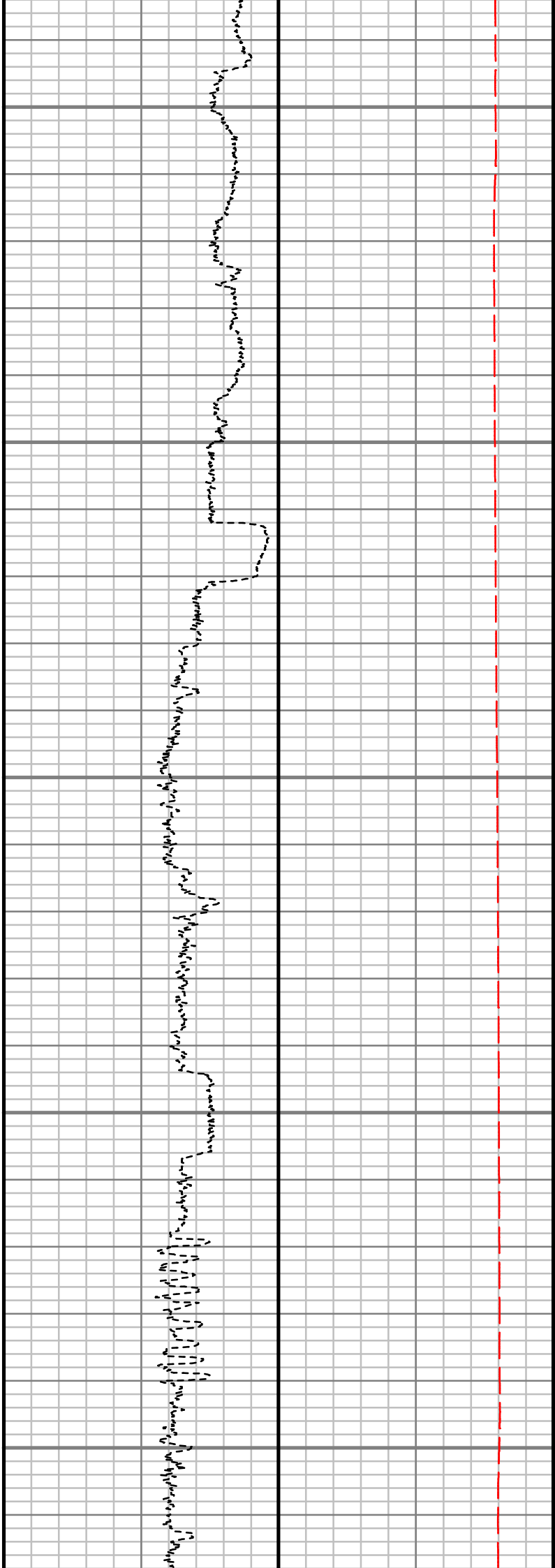
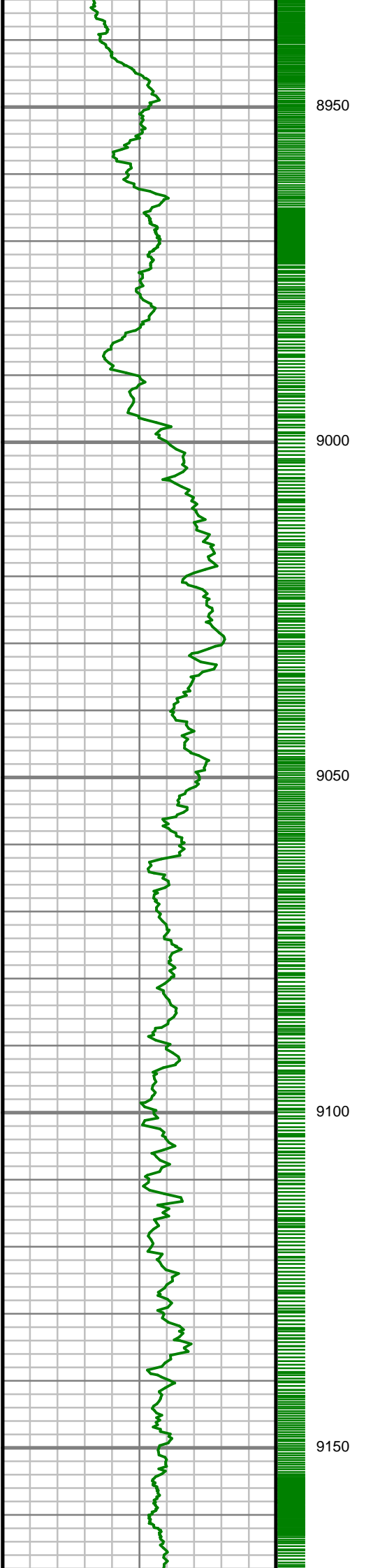
S: 88 MD: 8374.00 ft  
Inc: 89.97 deg Az:  
357.59 deg TVD:  
7502.48 ft



|                                                                             |
|-----------------------------------------------------------------------------|
| S: 89 MD: 8468.00 ft<br>Inc: 90.50 deg Az:<br>357.08 deg TVD:<br>7502.09 ft |
| S: 90 MD: 8563.00 ft<br>Inc: 90.81 deg Az:<br>356.79 deg TVD:<br>7501.01 ft |
| S: 91 MD: 8657.00 ft<br>Inc: 89.73 deg Az:<br>358.78 deg TVD:<br>7500.57 ft |



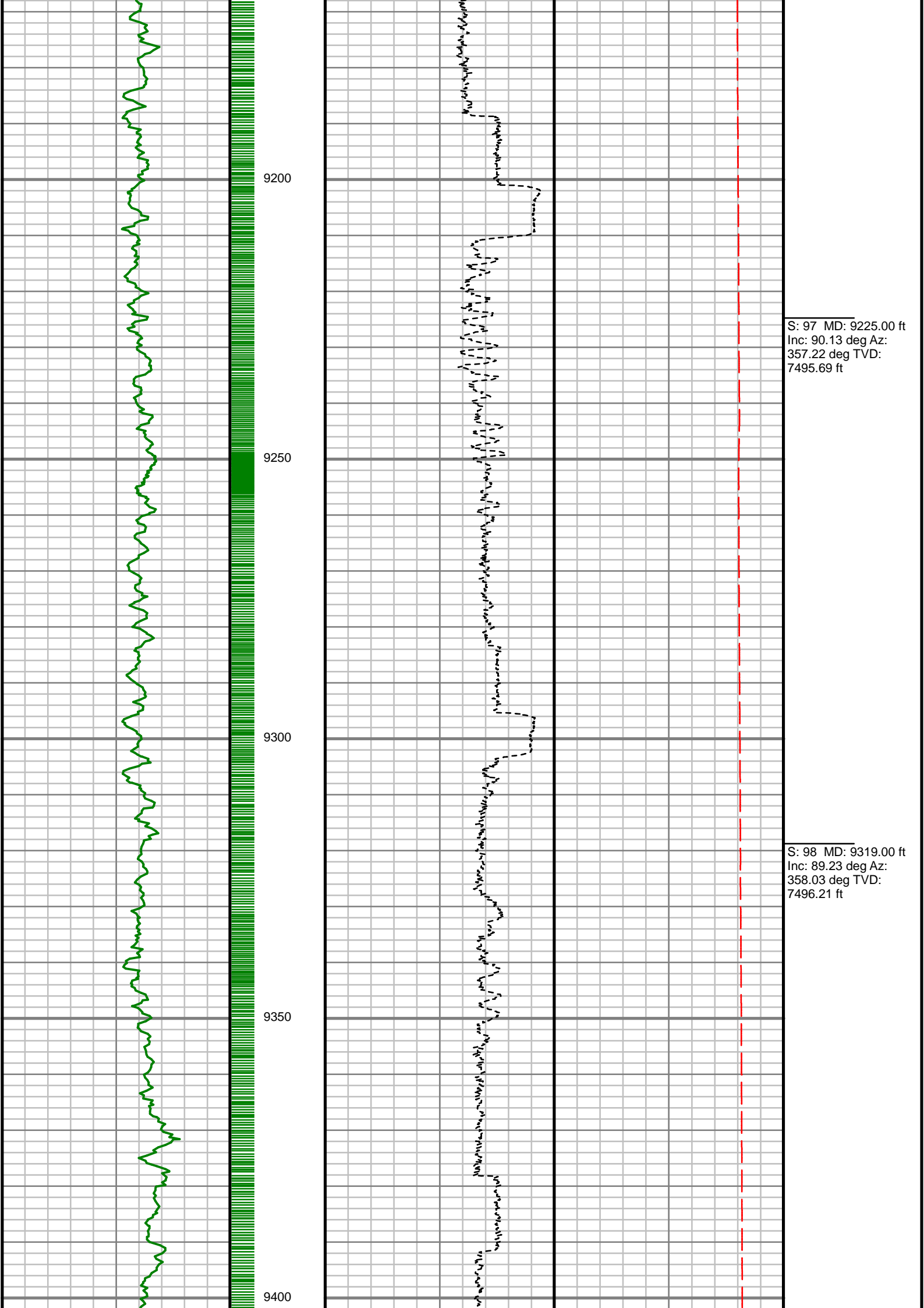


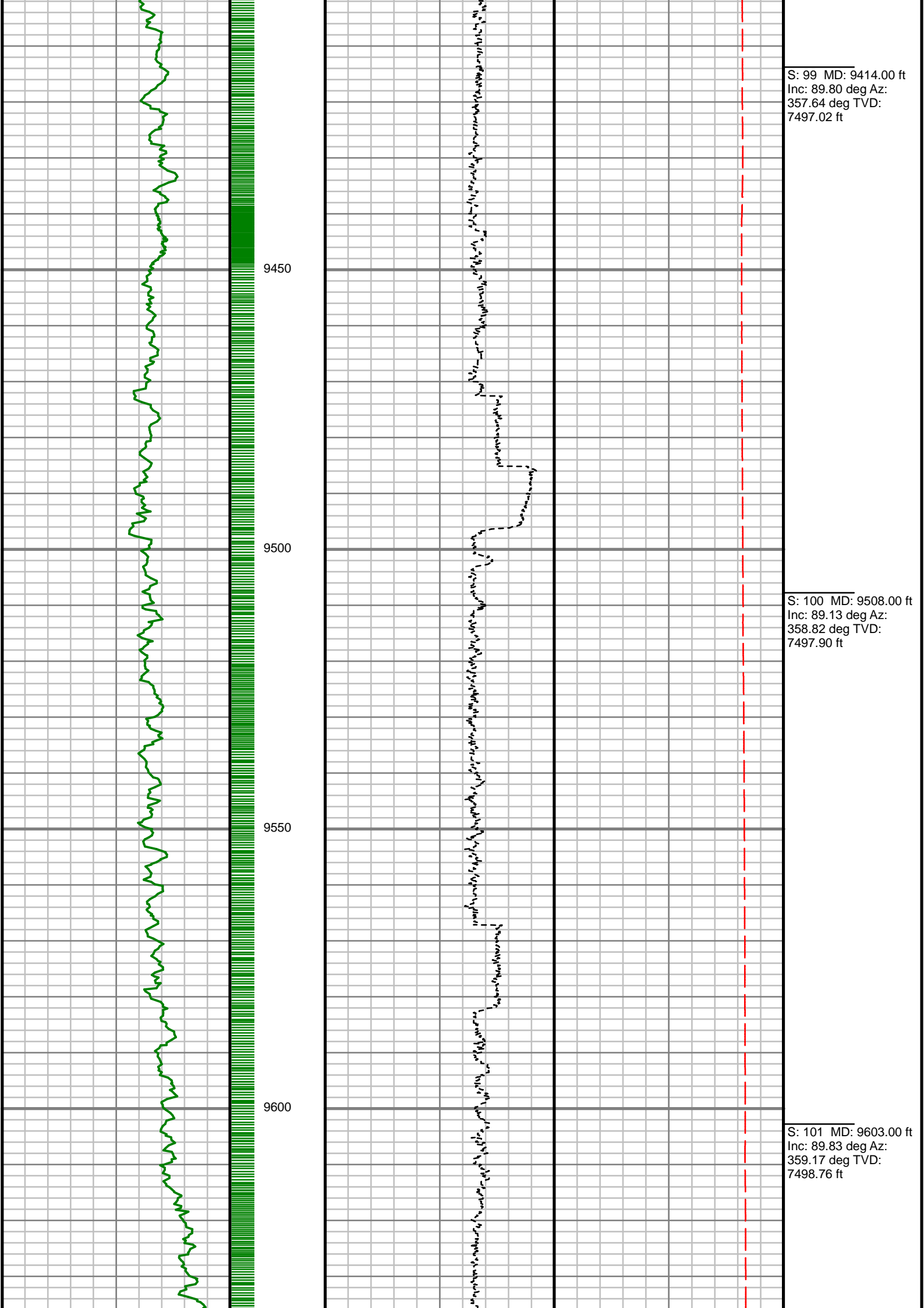


S: 94 MD: 8941.00 ft  
Inc: 90.60 deg Az:  
358.73 deg TVD:  
7496.58 ft

S: 95 MD: 9035.00 ft  
Inc: 89.53 deg Az:  
358.14 deg TVD:  
7496.47 ft

S: 96 MD: 9130.00 ft  
Inc: 90.64 deg Az:  
358.24 deg TVD:  
7496.33 ft

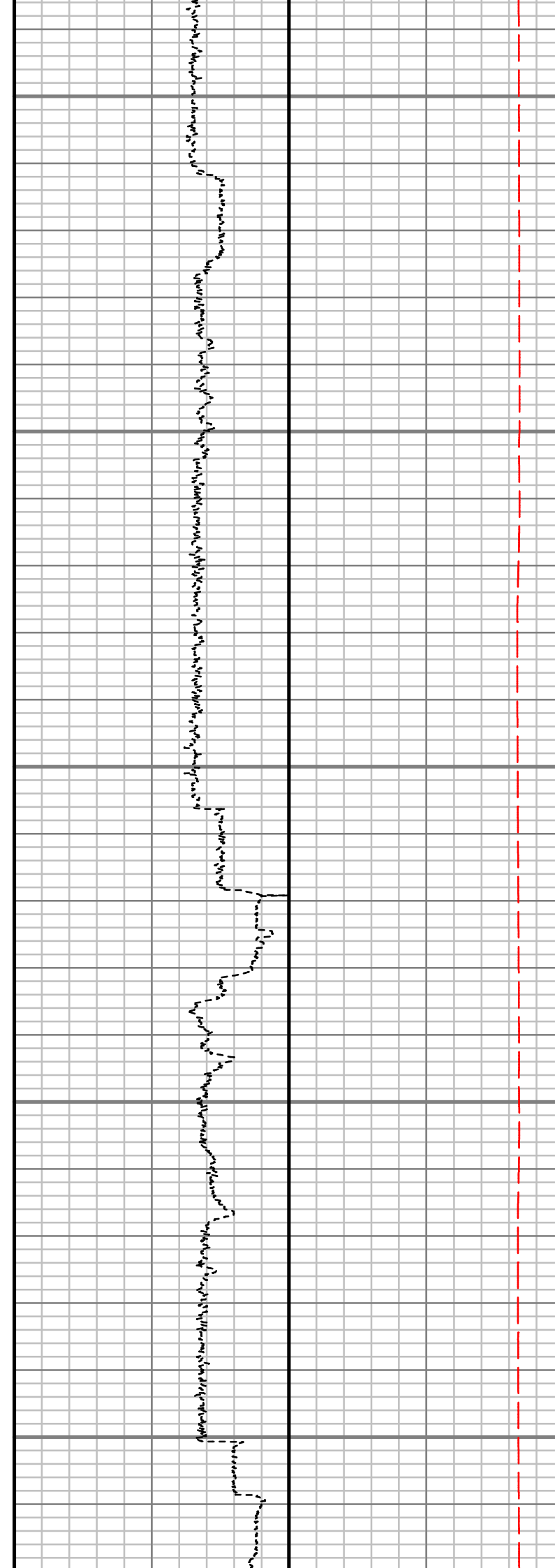
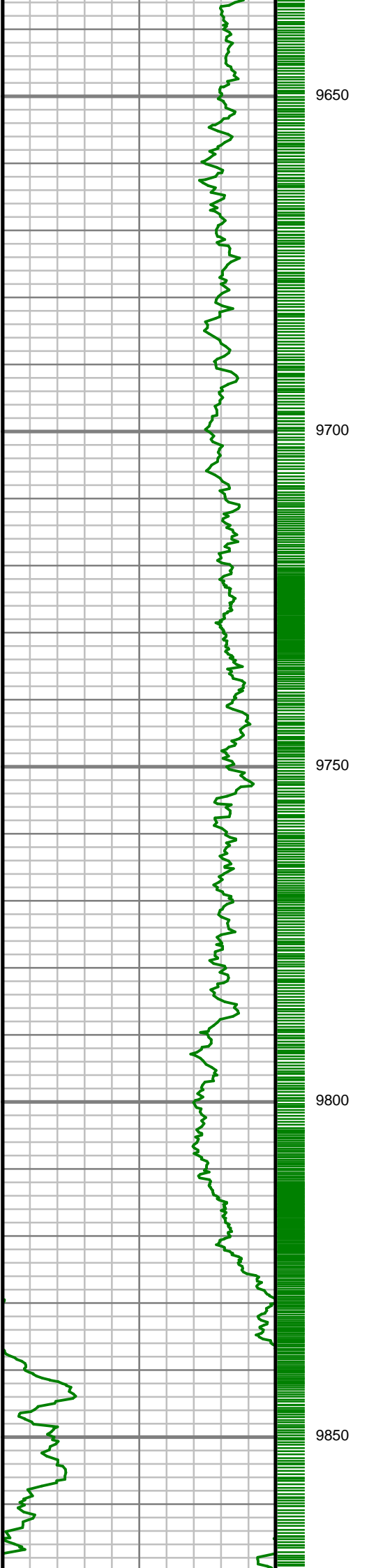




S: 99 MD: 9414.00 ft  
Inc: 89.80 deg Az:  
357.64 deg TVD:  
7497.02 ft

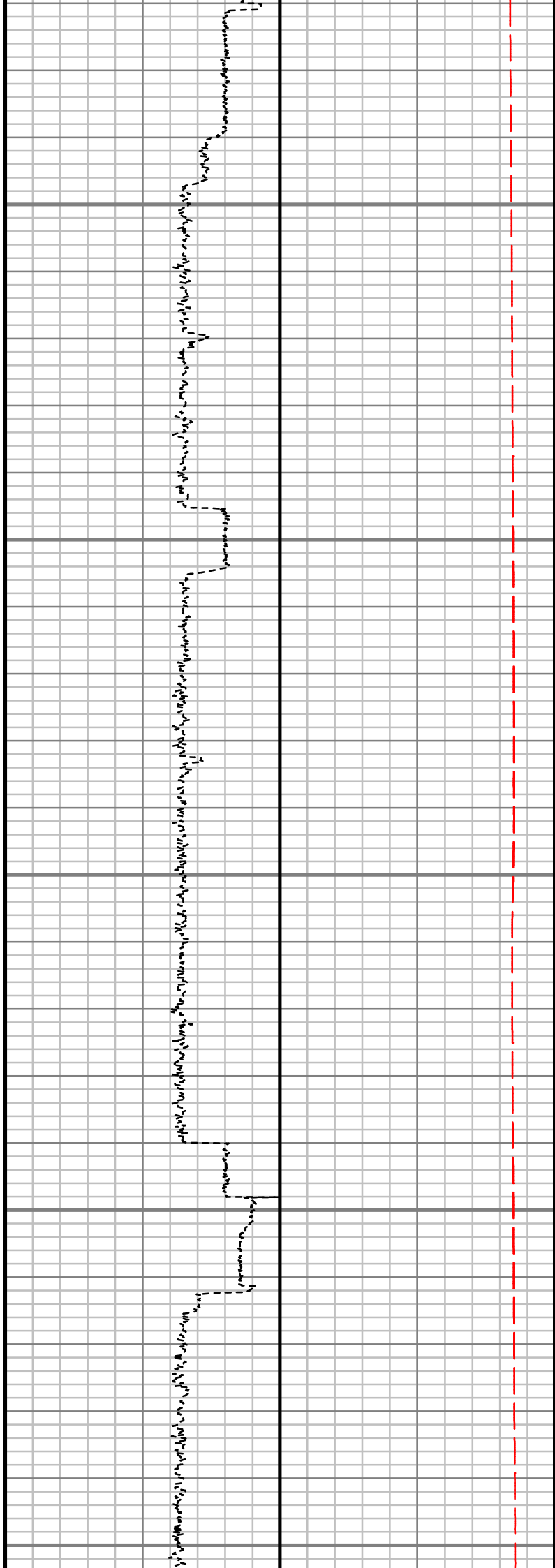
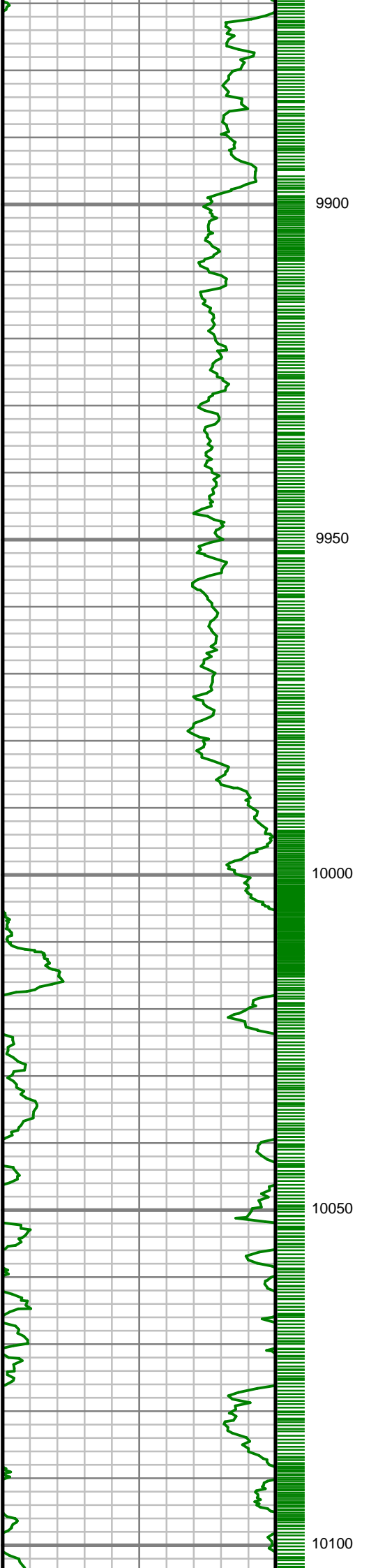
S: 100 MD: 9508.00 ft  
Inc: 89.13 deg Az:  
358.82 deg TVD:  
7497.90 ft

S: 101 MD: 9603.00 ft  
Inc: 89.83 deg Az:  
359.17 deg TVD:  
7498.76 ft



S: 102 MD: 9697.00 ft  
Inc: 90.10 deg Az:  
357.03 deg TVD:  
7498.82 ft

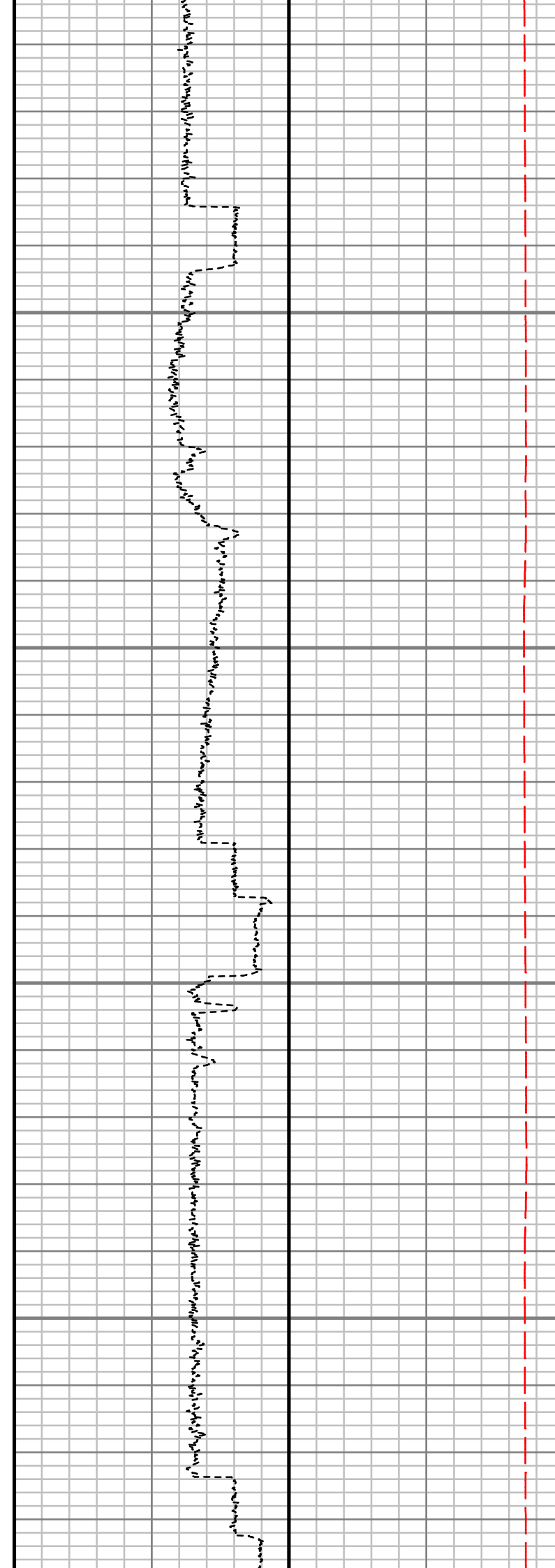
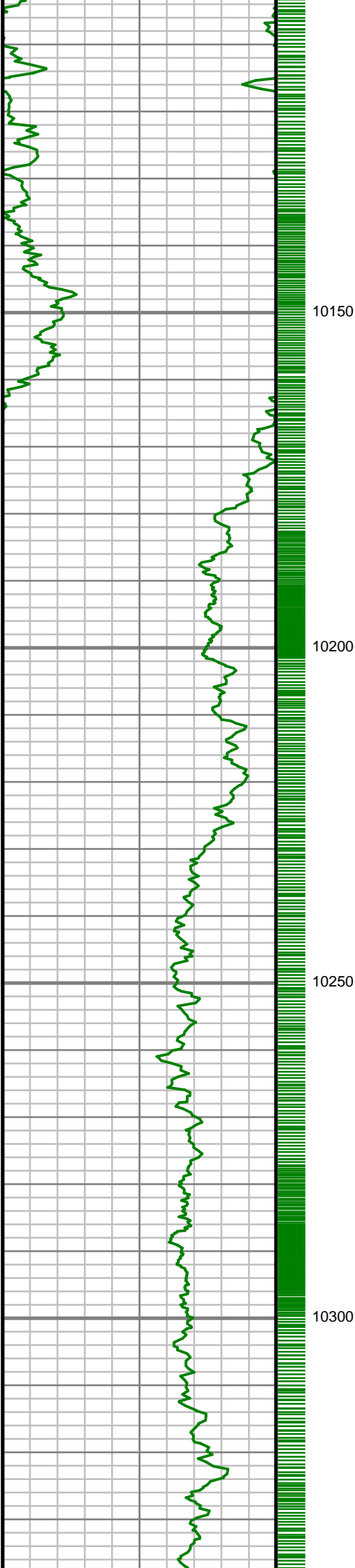
S: 103 MD: 9792.00 ft  
Inc: 91.04 deg Az:  
358.28 deg TVD:  
7497.87 ft



S: 104 MD: 9886.00 ft  
Inc: 90.40 deg Az: 0.10  
deg TVD: 7496.69 ft

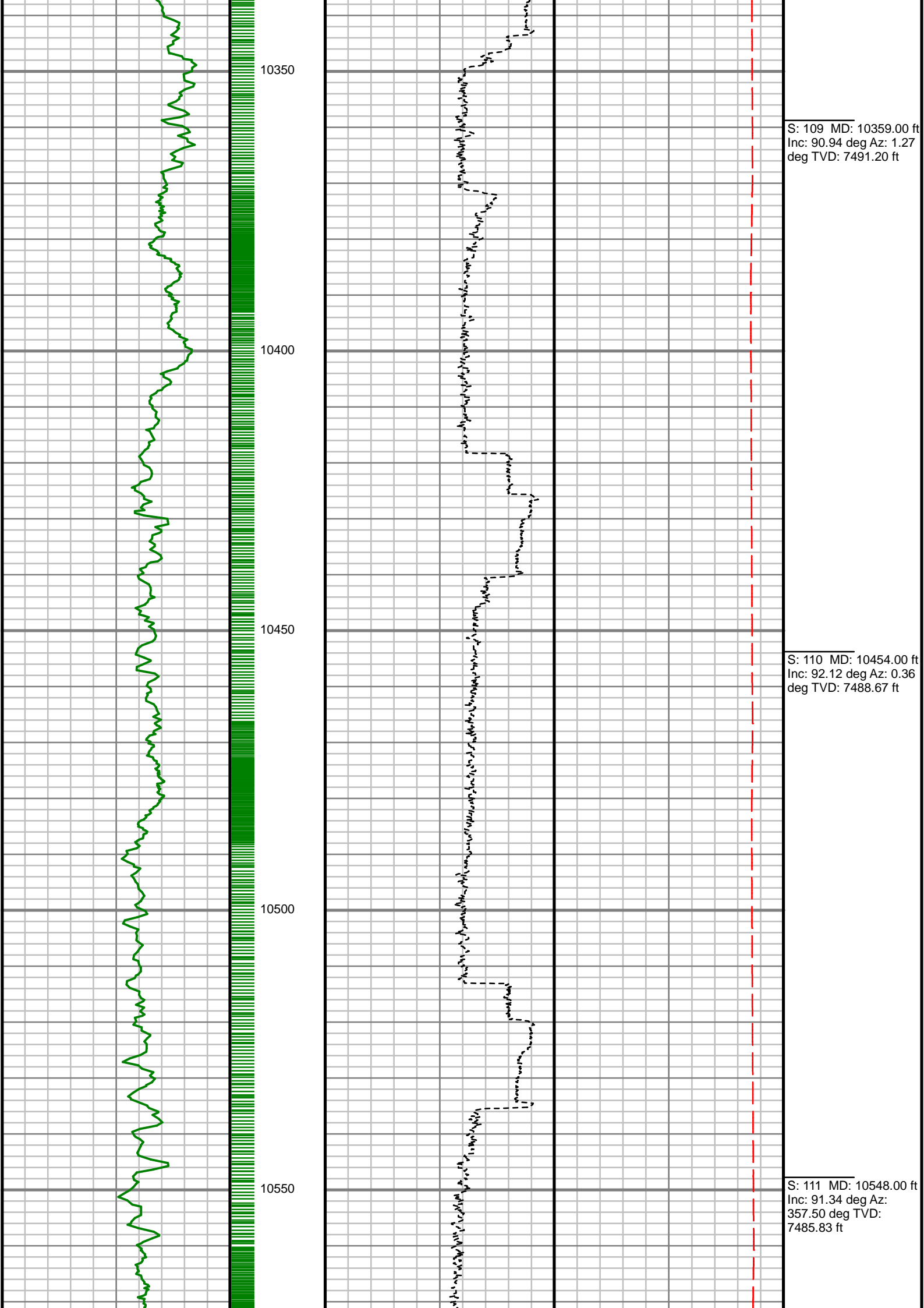
S: 105 MD: 9981.00 ft  
Inc: 91.04 deg Az:  
359.22 deg TVD:  
7495.49 ft

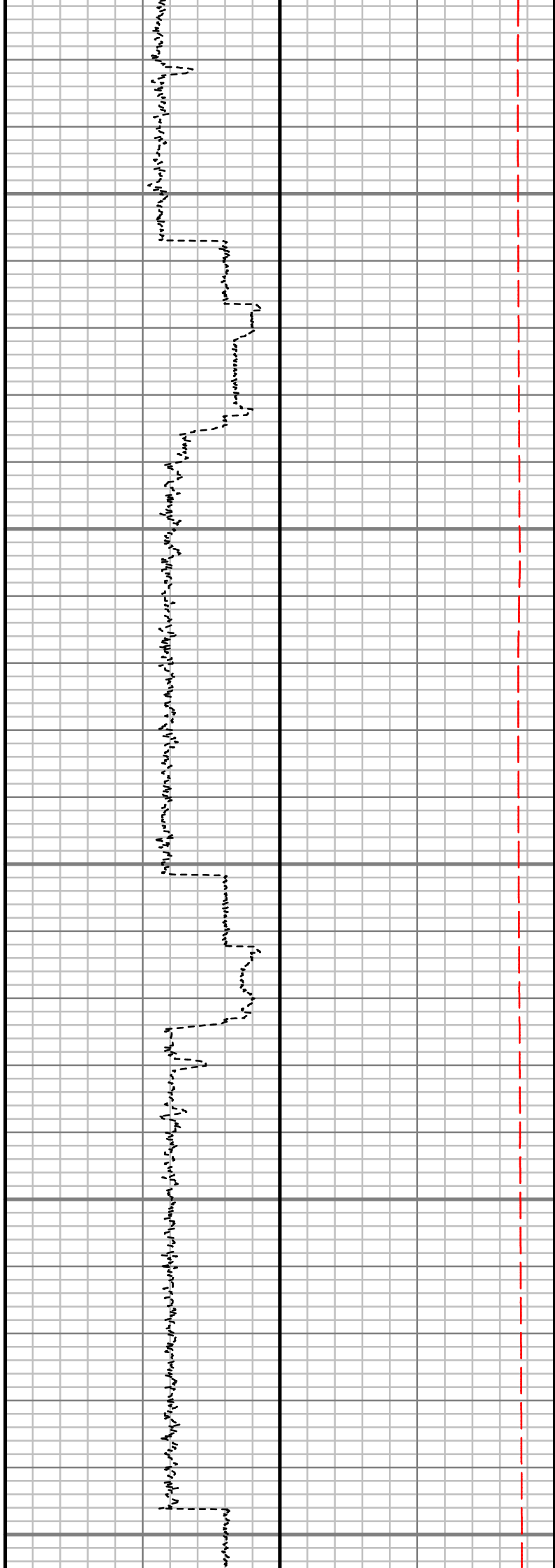
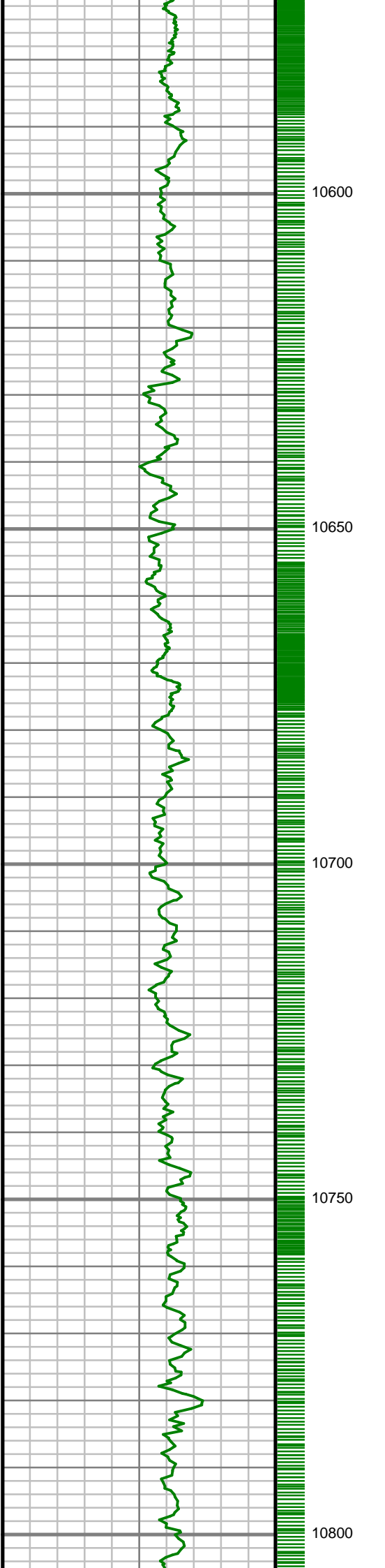
S: 106 MD: 10075.00 ft  
Inc: 90.27 deg Az: 2.32  
deg TVD: 7494.41 ft



S: 107 MD: 10170.00 ft  
Inc: 91.17 deg Az: 2.76  
deg TVD: 7493.22 ft

S: 108 MD: 10264.00 ft  
Inc: 90.17 deg Az: 2.14  
deg TVD: 7492.12 ft

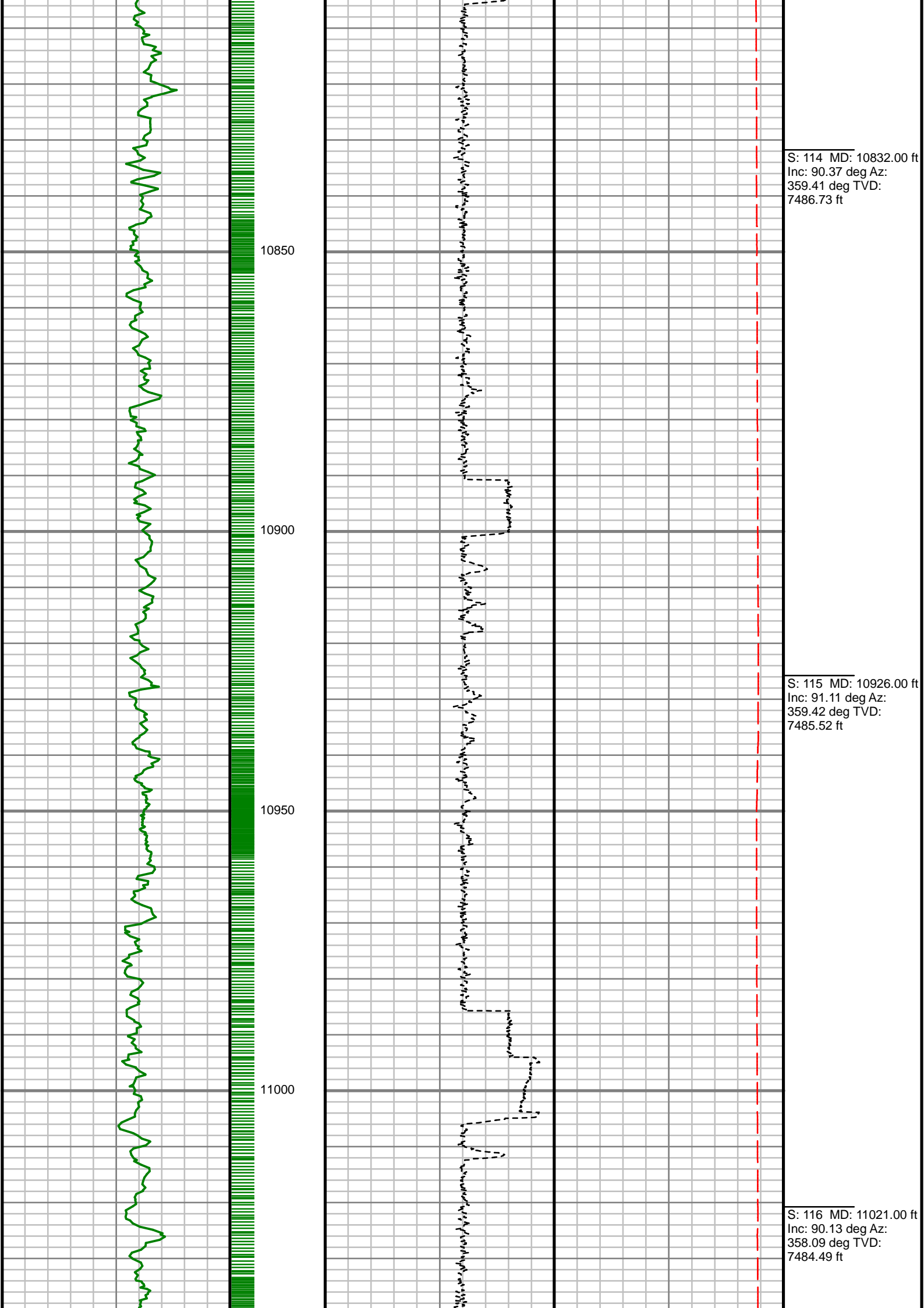


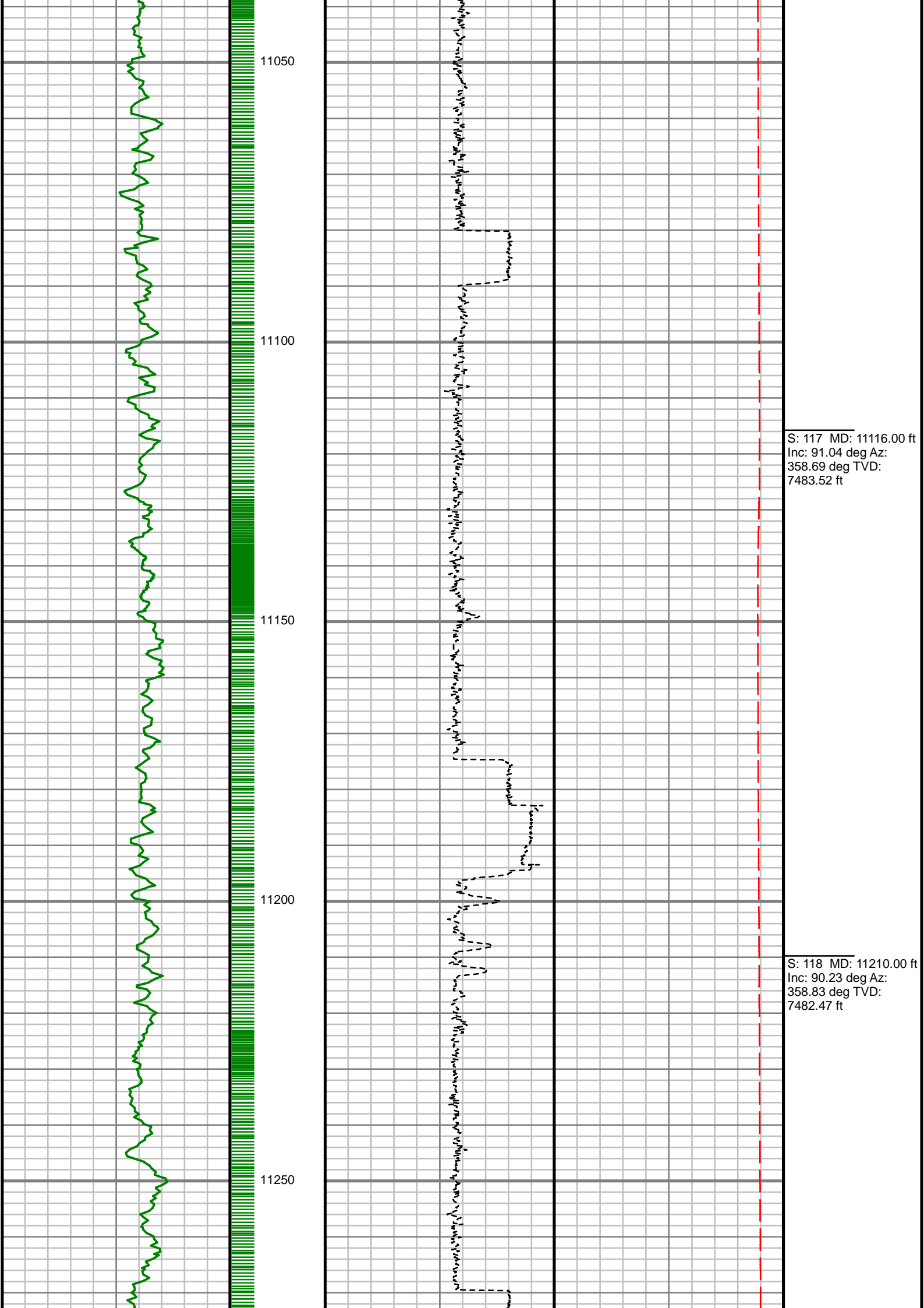


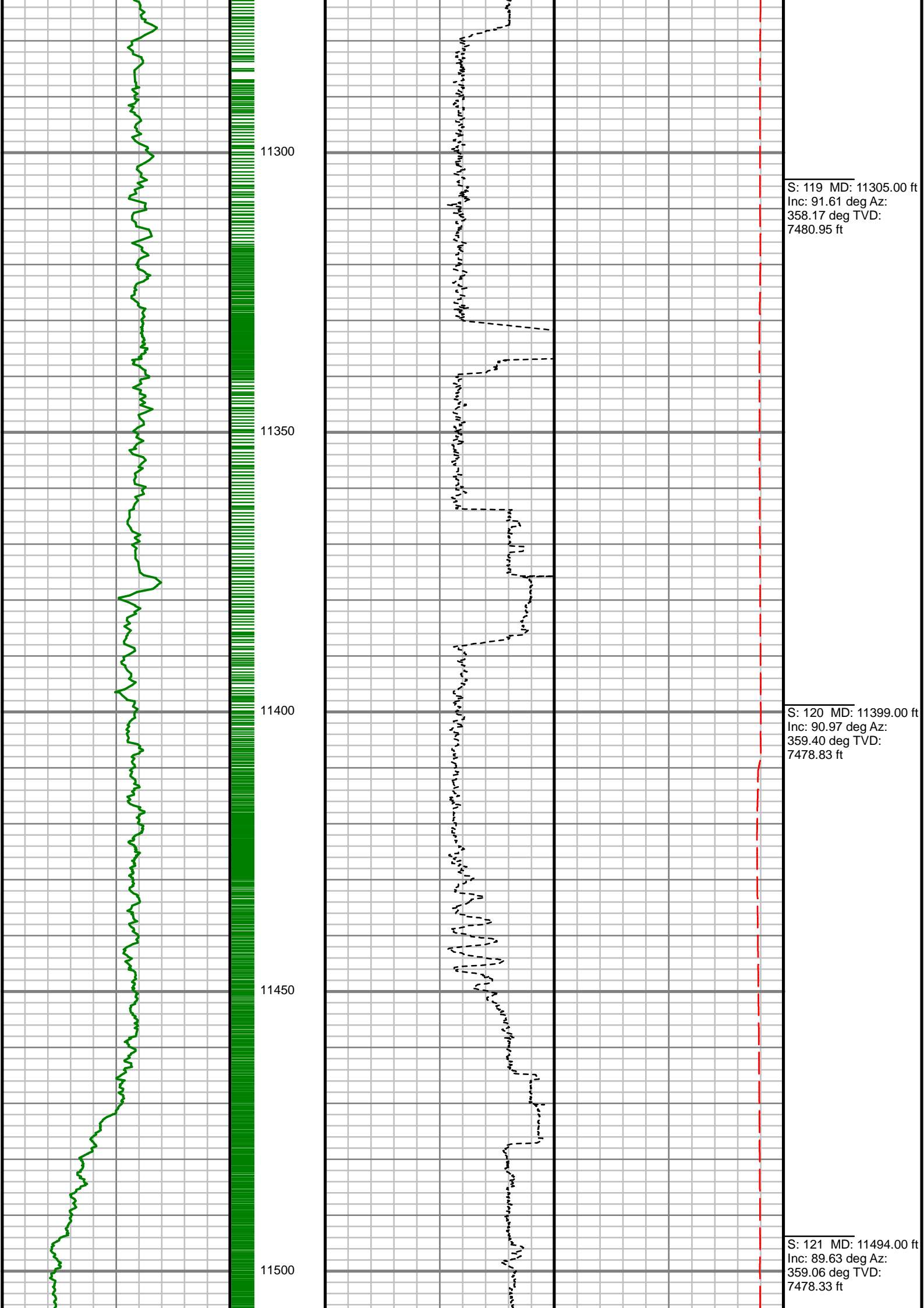
S: 112 MD: 10643.00 ft  
Inc: 88.99 deg Az:  
358.06 deg TVD:  
7485.55 ft

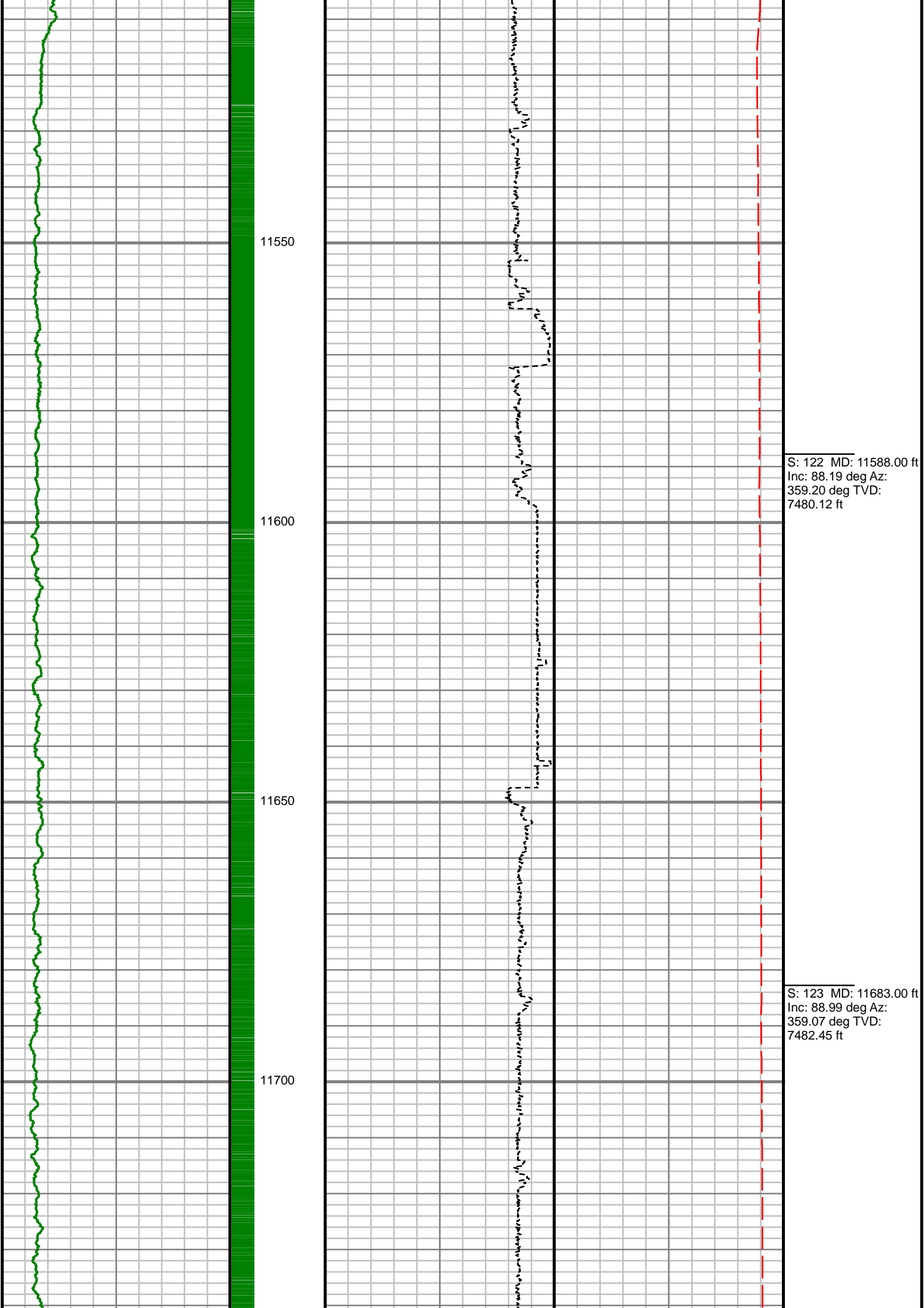
S: 113 MD: 10737.00 ft  
Inc: 89.60 deg Az:  
359.69 deg TVD:  
7486.71 ft

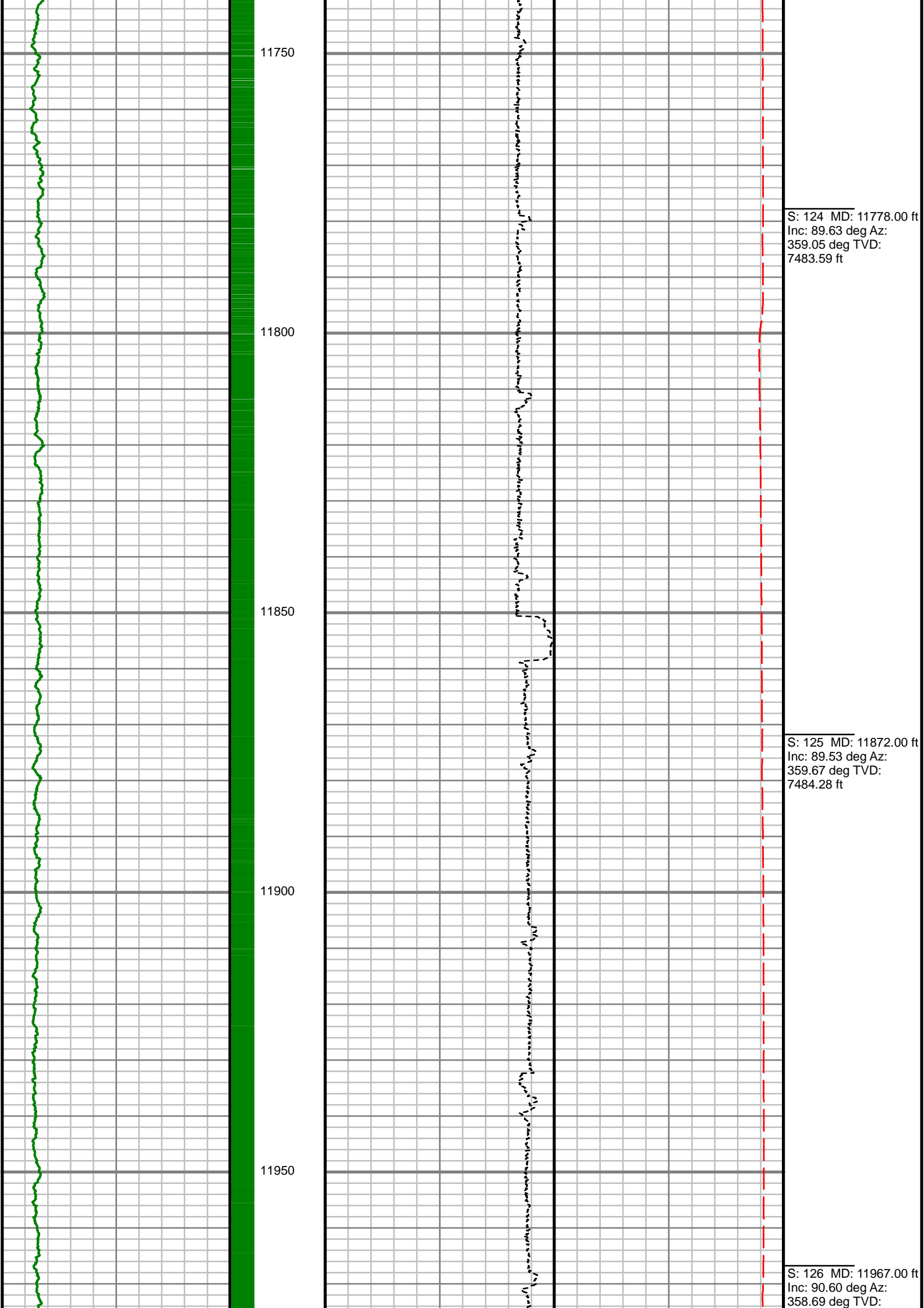


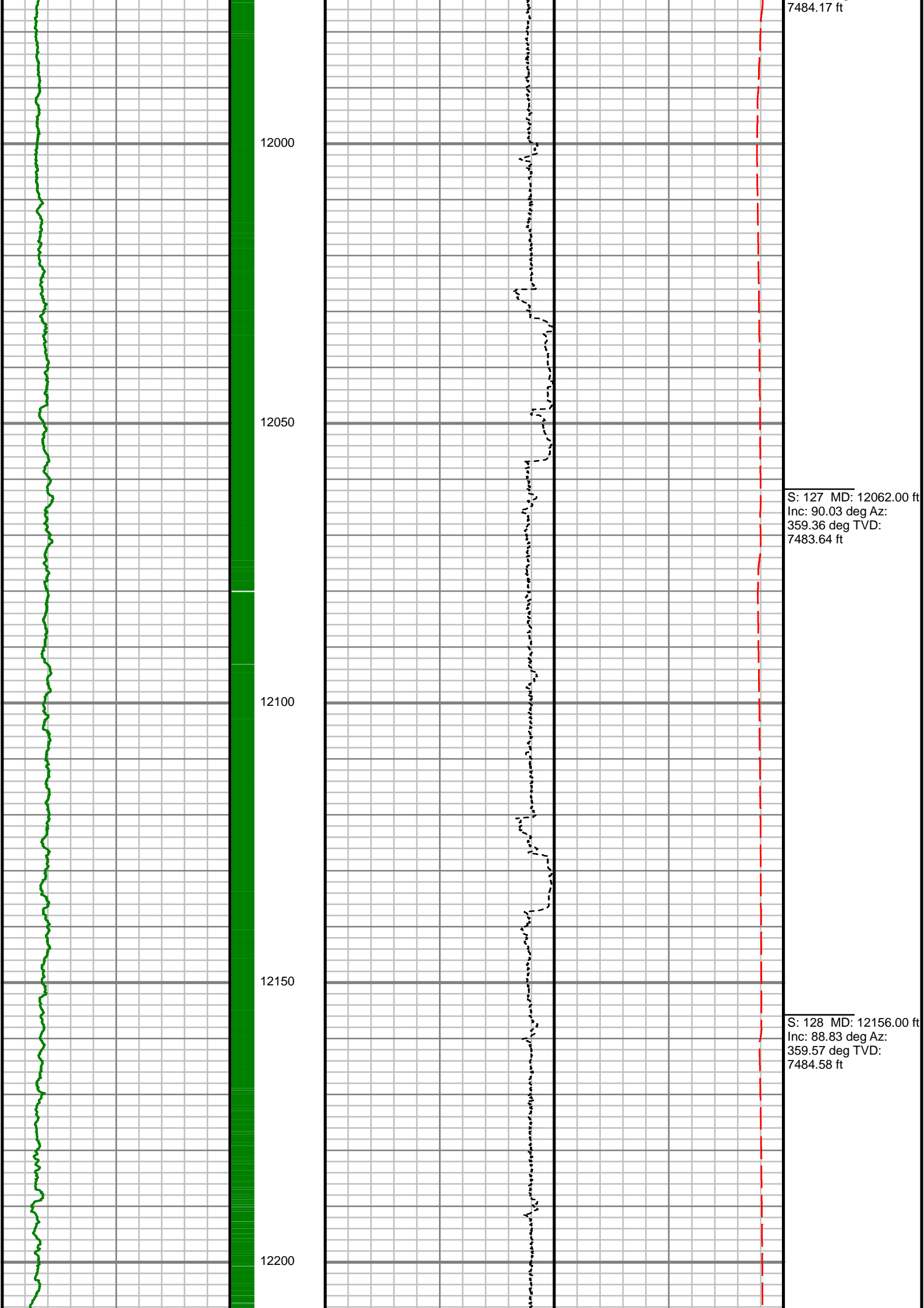








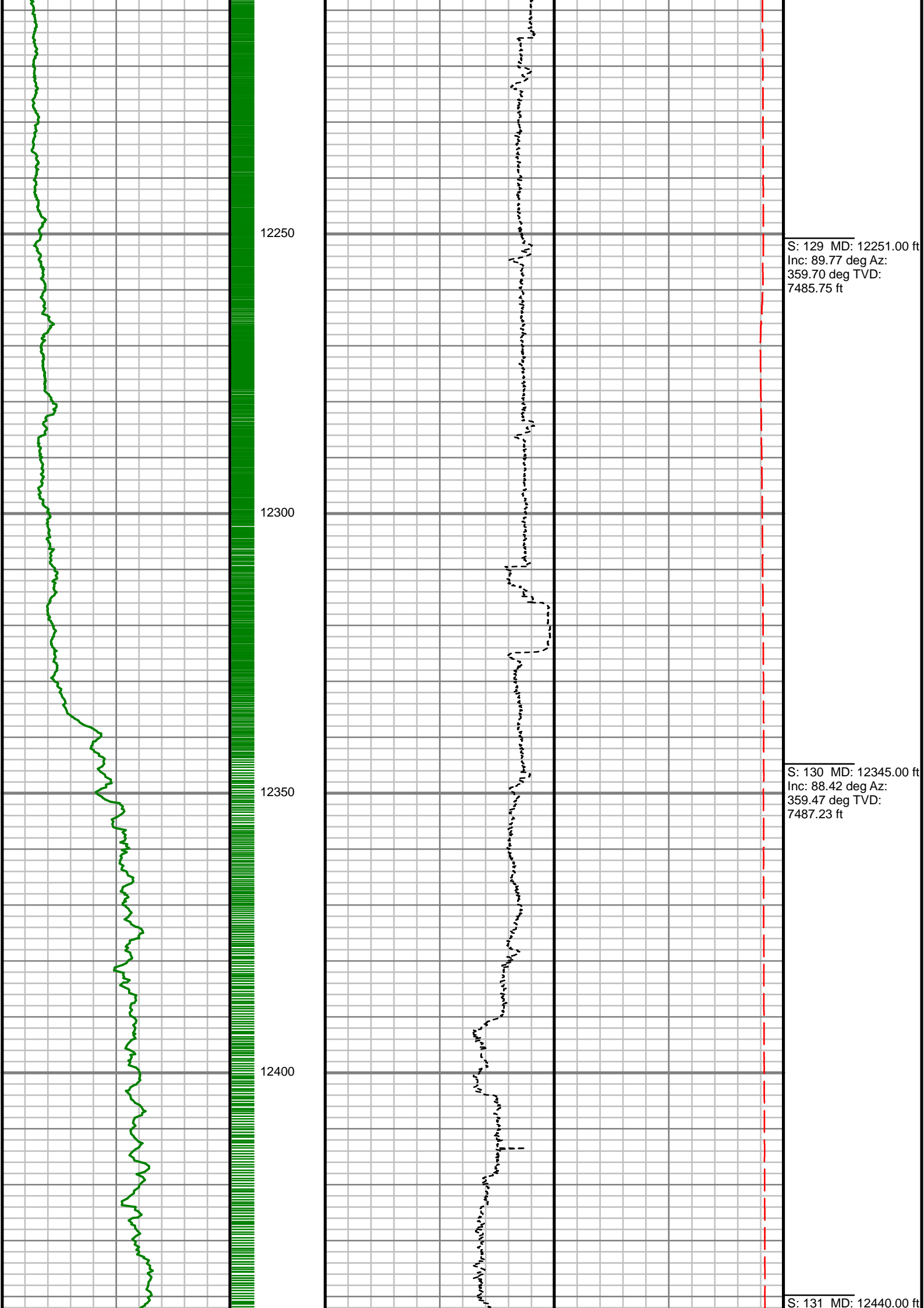


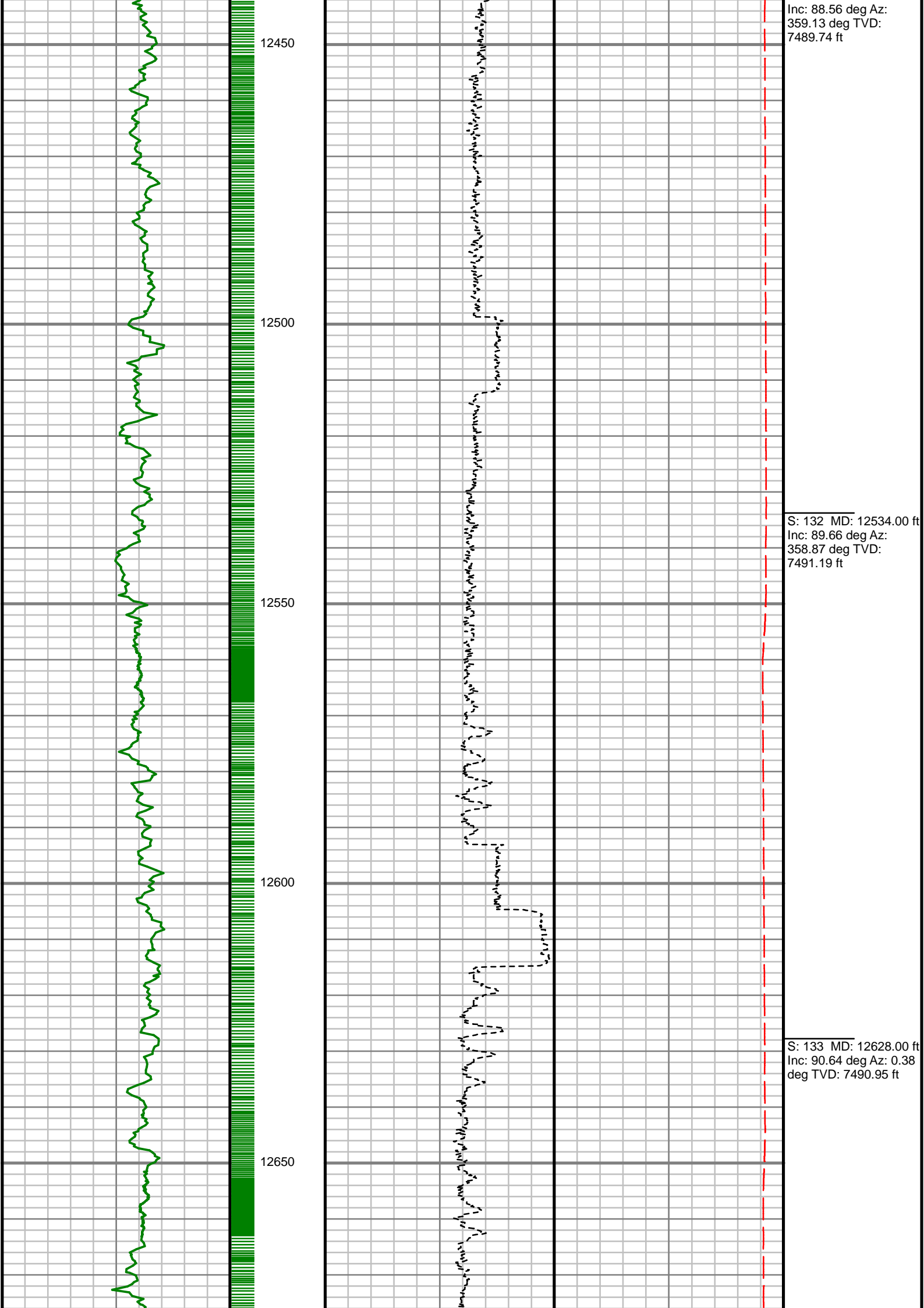


7484.17 ft

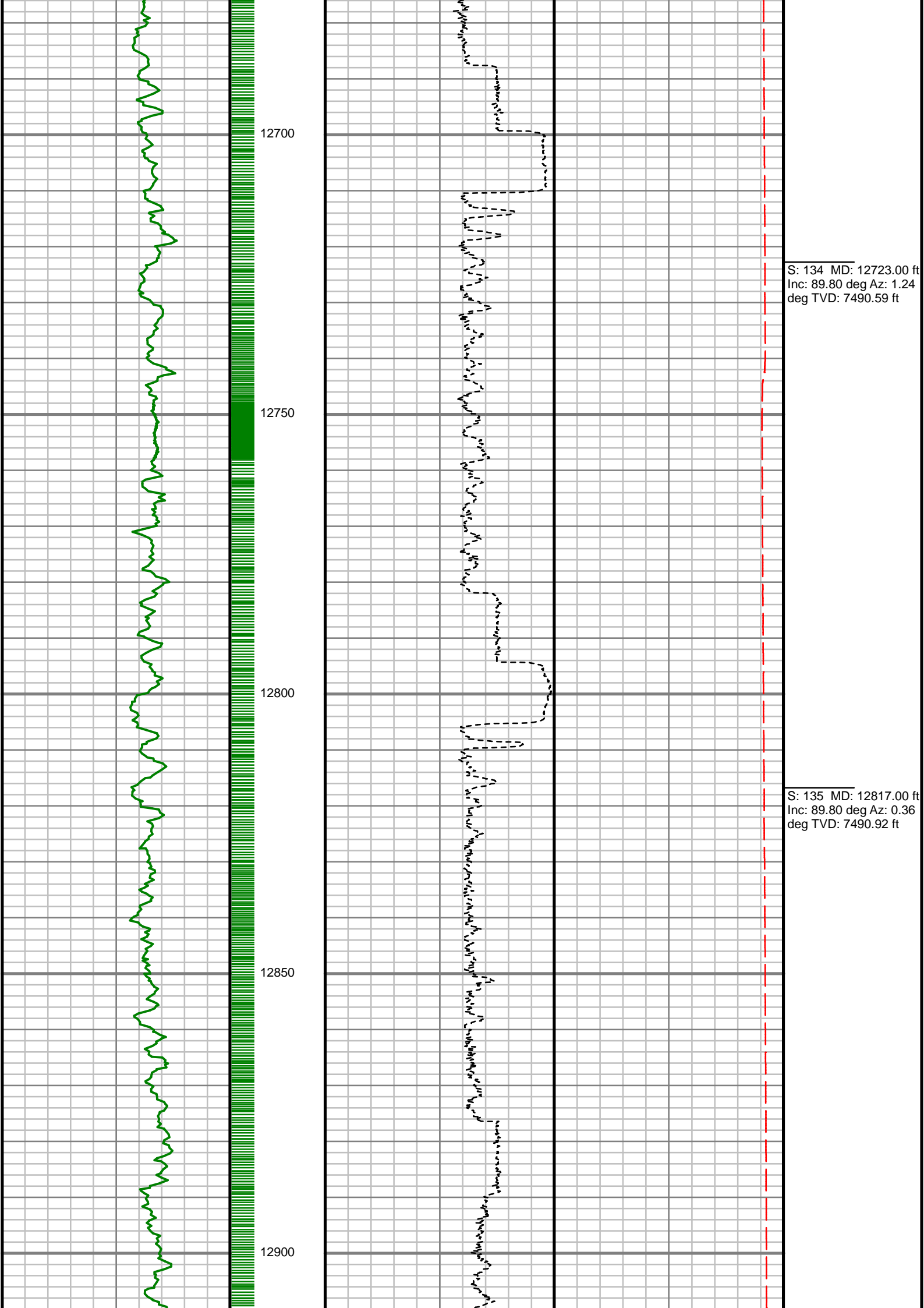
S: 127 MD: 12062.00 ft  
Inc: 90.03 deg Az:  
359.36 deg TVD:  
7483.64 ft

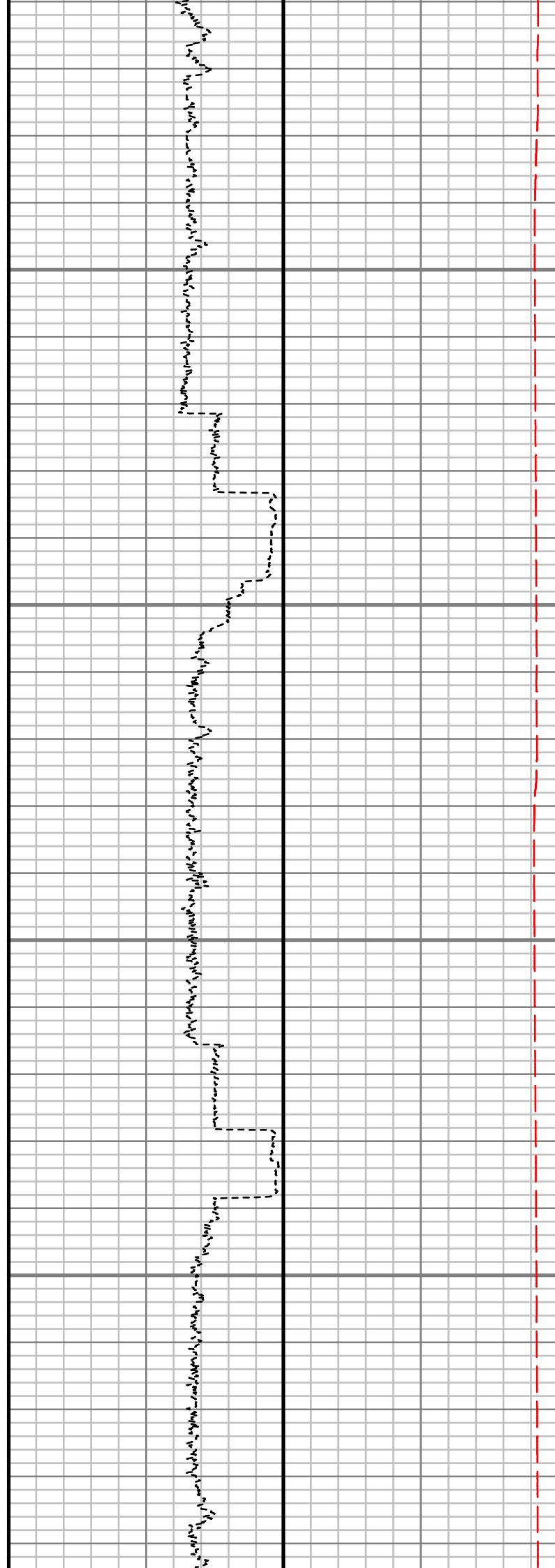
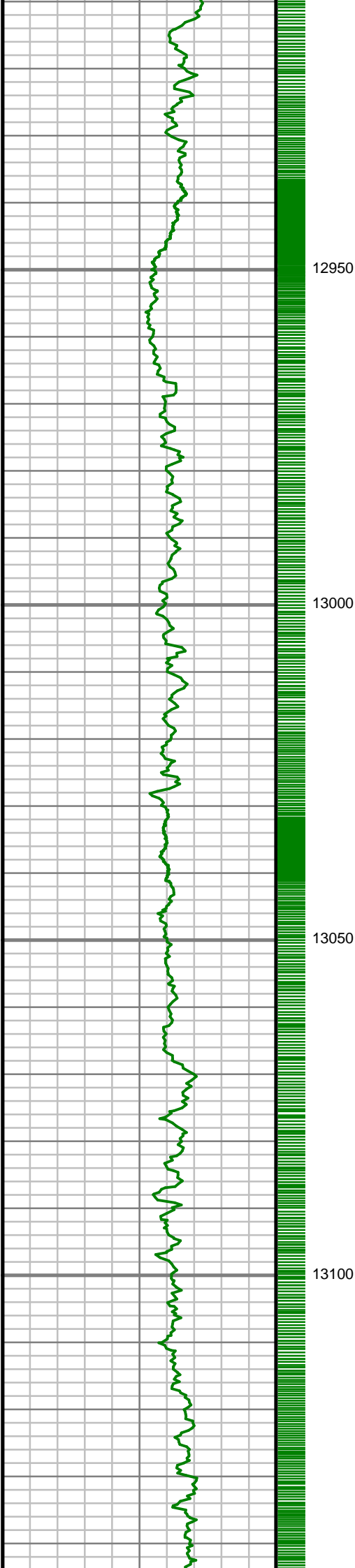
S: 128 MD: 12156.00 ft  
Inc: 88.83 deg Az:  
359.57 deg TVD:  
7484.58 ft







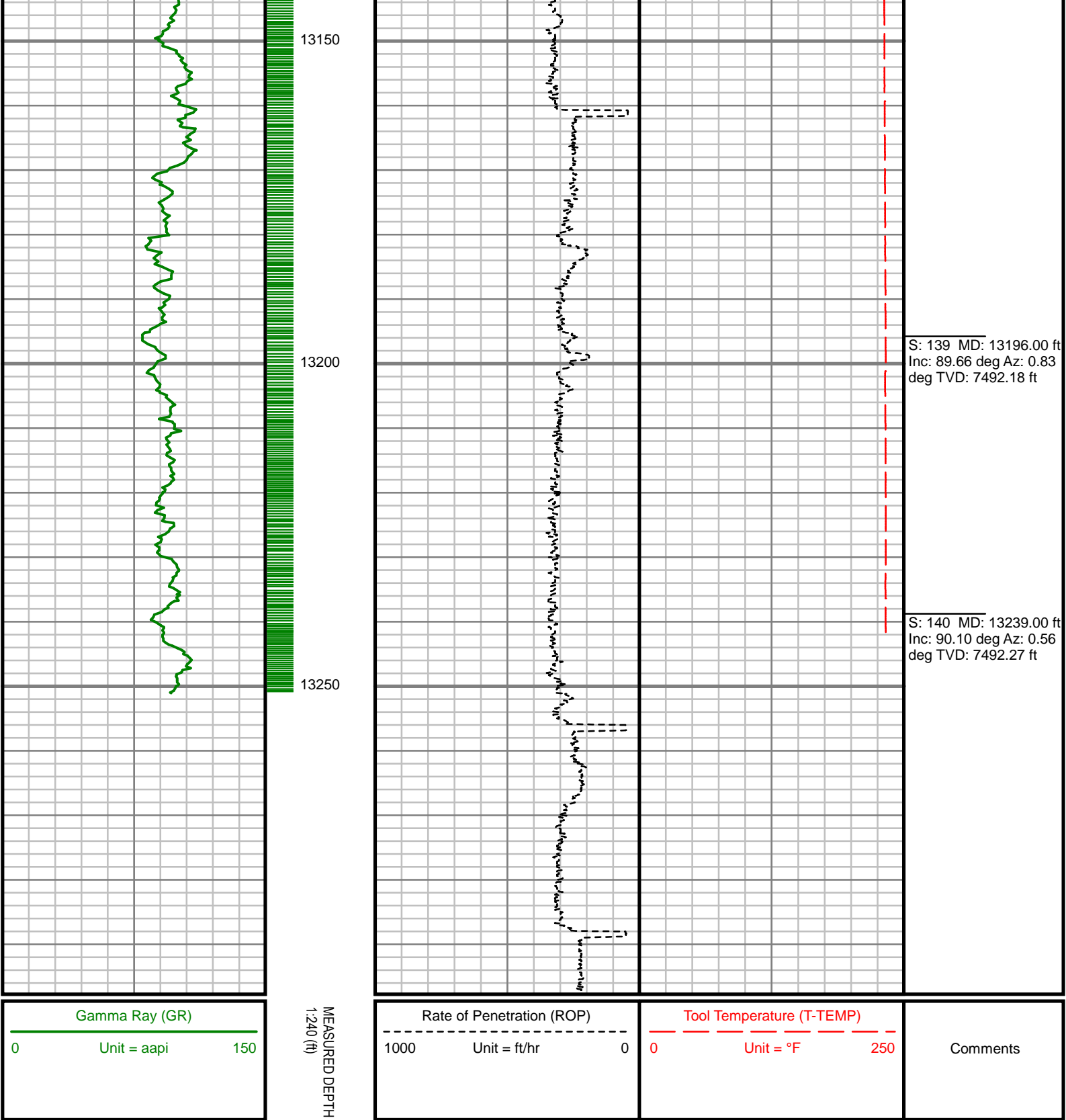




S: 136 MD: 12912.00 ft  
Inc: 91.07 deg Az:  
359.94 deg TVD:  
7490.19 ft

S: 137 MD: 13007.00 ft  
Inc: 89.60 deg Az:  
359.56 deg TVD:  
7489.64 ft

S: 138 MD: 13101.00 ft  
Inc: 88.83 deg Az: 0.38  
deg TVD: 7490.93 ft



GAMMA RAY

5" = 100' FEET MD