

2" = 100' MD

COMPANY : BILL BARRETT CORP. WELL : ANSCHUTZ EQ FARMS 3-62-4-2532XCXN FIELD : WATTENBERG COUNTY : WELD STATE : COLORADO COUNTRY : U.S.A. UWI : 05-123-46020										WELL LOCATION LAT:40°15'17.316"N LONG:104°19'13.795"W N:1337858.39 ft E:3329197.16 ft SEC:4 TWP:3N RANGE:62W										OTHER SERVICES NAD83 DIRECTIONAL ROP									
DEPTH REF. : RKB REF. HEIGHT : 20.000 ft GROUND LEVEL : 4612.600 ft										RKB to Ground Level G.L. to MEAN SEA LEVEL																			
BOREHOLE RECORD															DEVIATION RECORD														
HOLE SIZE in					FROM ft					TO ft					INCLINATION deg					FROM ft					TO ft				
12.75					0					840					0 - 22					0					2625				
8.75					840					6660					22 - 0					265					5728				
6					6660					16367					0 - 90					5728					6674				
															90 +/- 2					6674					16367				
CASING RECORD																													
CASING SIZE in					FROM ft					TO ft																			
9.625					0					840																			
7					840					6646																			
DRILLING CO.: SAVANNA RIG: 802 LWD UNIT NO.: KIT MUD PUDISTRICT: CASPER SPUD DATE: 12/04/2017 LWD START DATE: 12/04/2017 LWD END DATE: 12/10/2017 DEPTH: 840 ft DEPTH: 16367 ft TOTAL DEPTH: 16367 ft																													

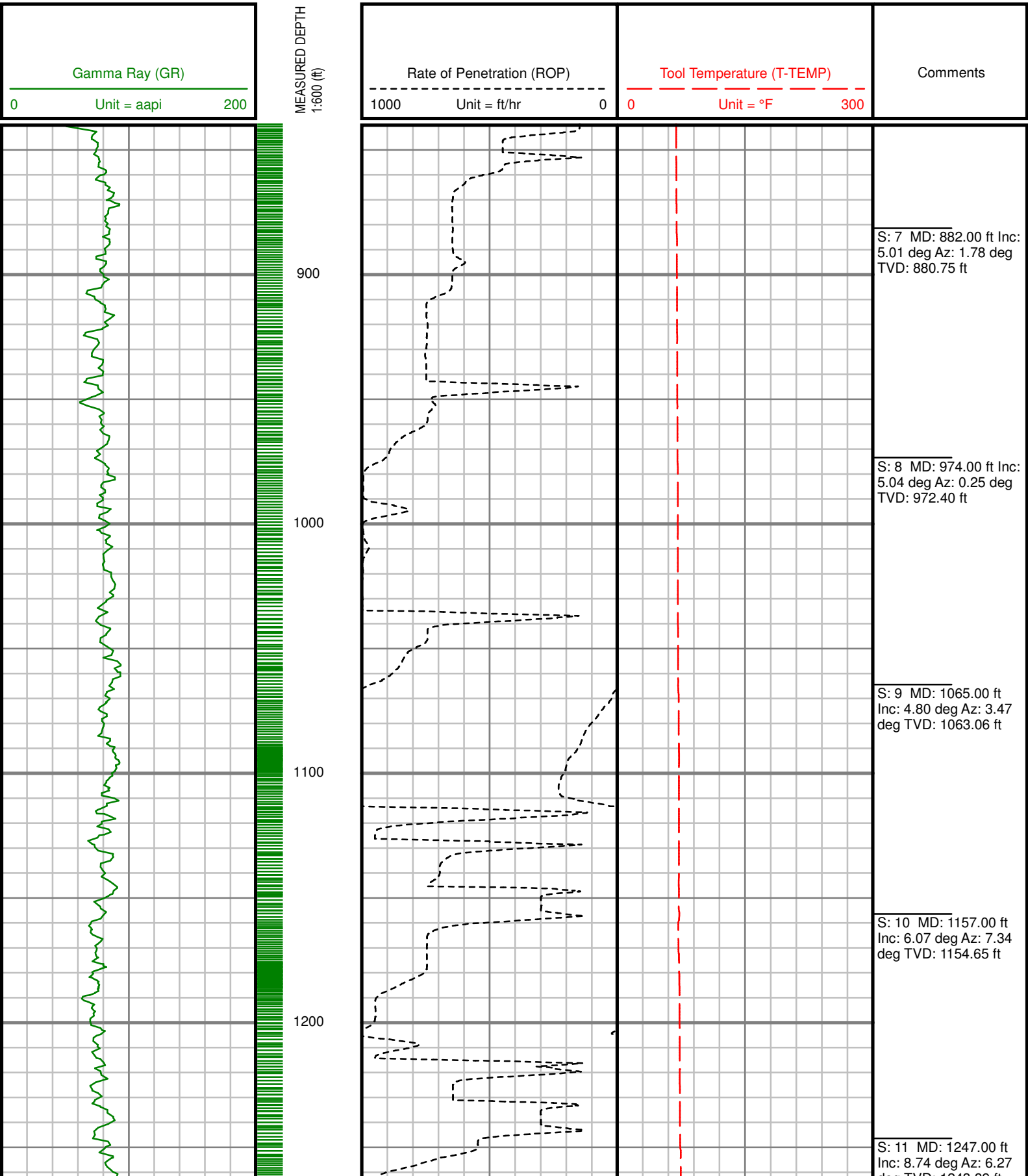
Run Data						
RUN NUMBER	RUN 1	RUN 2	RUN 3			
START DATE	12/04/2017	12/05/2017	12/07/2017			
START TIME	08:00	05:30	02:30			
END DATE	12/04/2017	12/06/2017	12/10/2017			
END TIME	15:30	09:30	20:30			
DEPTH IN (ft)	0	840	6660			
DEPTH OUT (ft)	840	6660	16367			
LOG TOP (ft)	0	840	6602			
LOG BOTTOM (ft)	0	6602	16314			
HOLE SIZE (in)	12.75	8.75	6.00			
MUD DATA @ (ft)	677	1215	6660			
MUD TYPE	WATER BASED	WATER BASED	WATER BASED			
DENSITY (lb / gal)	9	8.6	8.7			
VISCOSITY (s / qt)	30	38	29			
pH	8	11.9	10.2			
FLUID LOSS (cm3 / 30)	-	-	-			
SALINITY (mg / L)	450	850	550			
Rm (ohmm @ deg F)	-	-	-			
Rmf (ohmm @ deg F)	-	-	-			
MAX TEMP (deg F)	78	168	237			
Rm @ MAX TEMP (ohmm)	-	-	-			
LWD ENGINEER #1	J. MILBURN	J. MILBURN	J. MILBURN			
LWD ENGINEER #2	A. CARTER	A. CARTER	R. WARD			
LWD ENGINEER #3	-	-	-			
LOG WITNESS #1	K. MOORE	K. MOORE	K. MOORE			
LOG WITNESS #2	-	-	-			

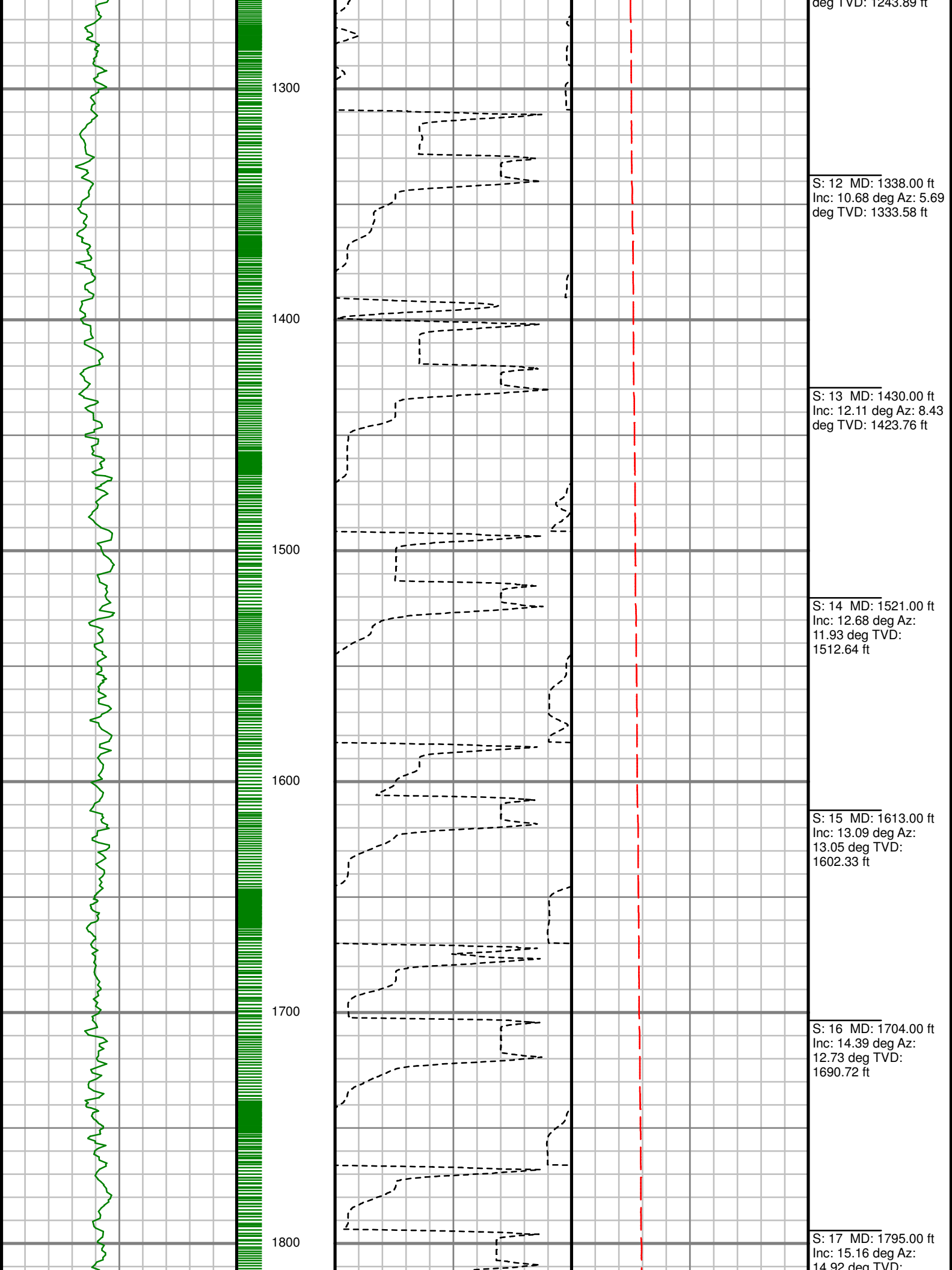
Remarks
BILL BARRETT CORP. AFE# 19813D
SCIENTIFIC DRILLING INTERNATIONAL JOB# OP.006361
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO RATE OF PENETRATION CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO TOOL TEMPERATURE CURVE
RUN #1: MWD / DIRECTIONAL RUN
SENSORS S/N: PULSER = 128-253 / CONT = 199 / MWD EYE = 1546
BIT TO SENSOR OFFSET: SURVEY = 65.78 FT.
RUN #2: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-253 / CONT = 199 / MWD EYE = 1546 / GAMMA RAY = 1176
BIT TO SENSOR OFFSETS: SURVEY = 59.82 FT. / GAMMA RAY 55.82 FT.
RUN #3: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 78-245 / CONT = 845 / MWD EYE = 1402 / GAMMA RAY = 1390
BIT TO SENSOR OFFSETS: SURVEY = 56.18 FT. / GAMMA RAY 52.18 FT.
MNEMONICS LIST:
GR = GAMMA RAY
ROP = RATE OF PENETRATION

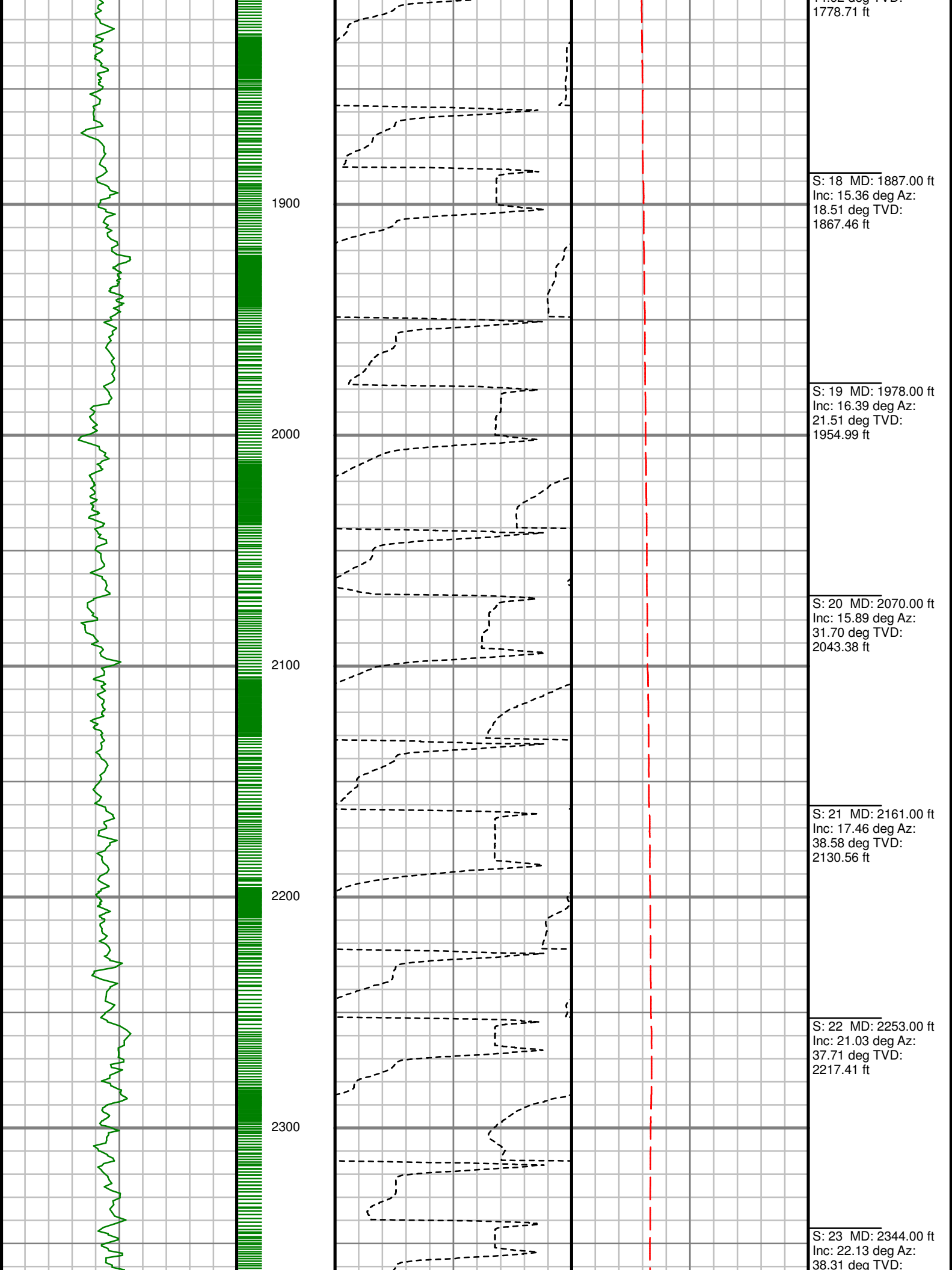
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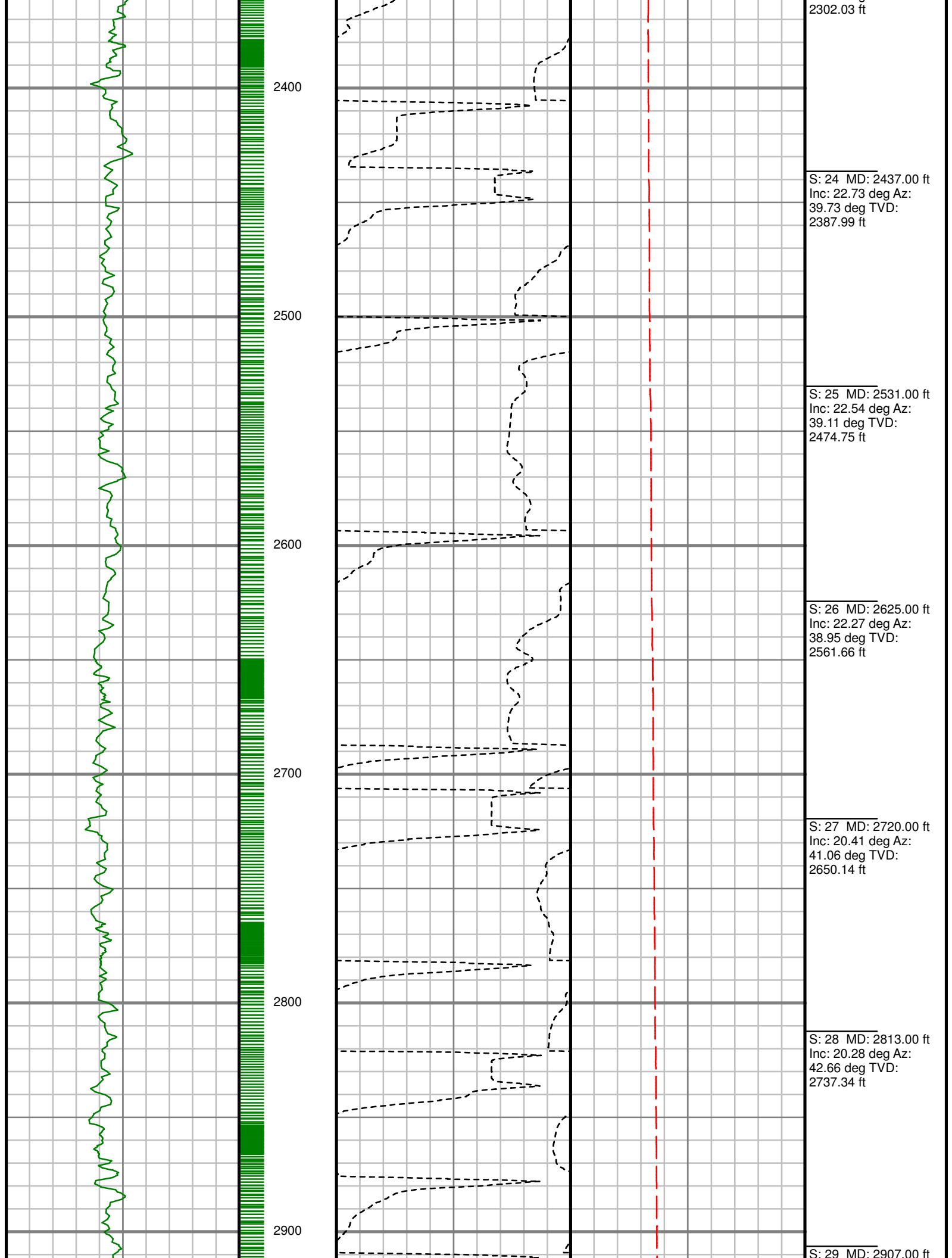
All interpretations are opinions based on electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or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

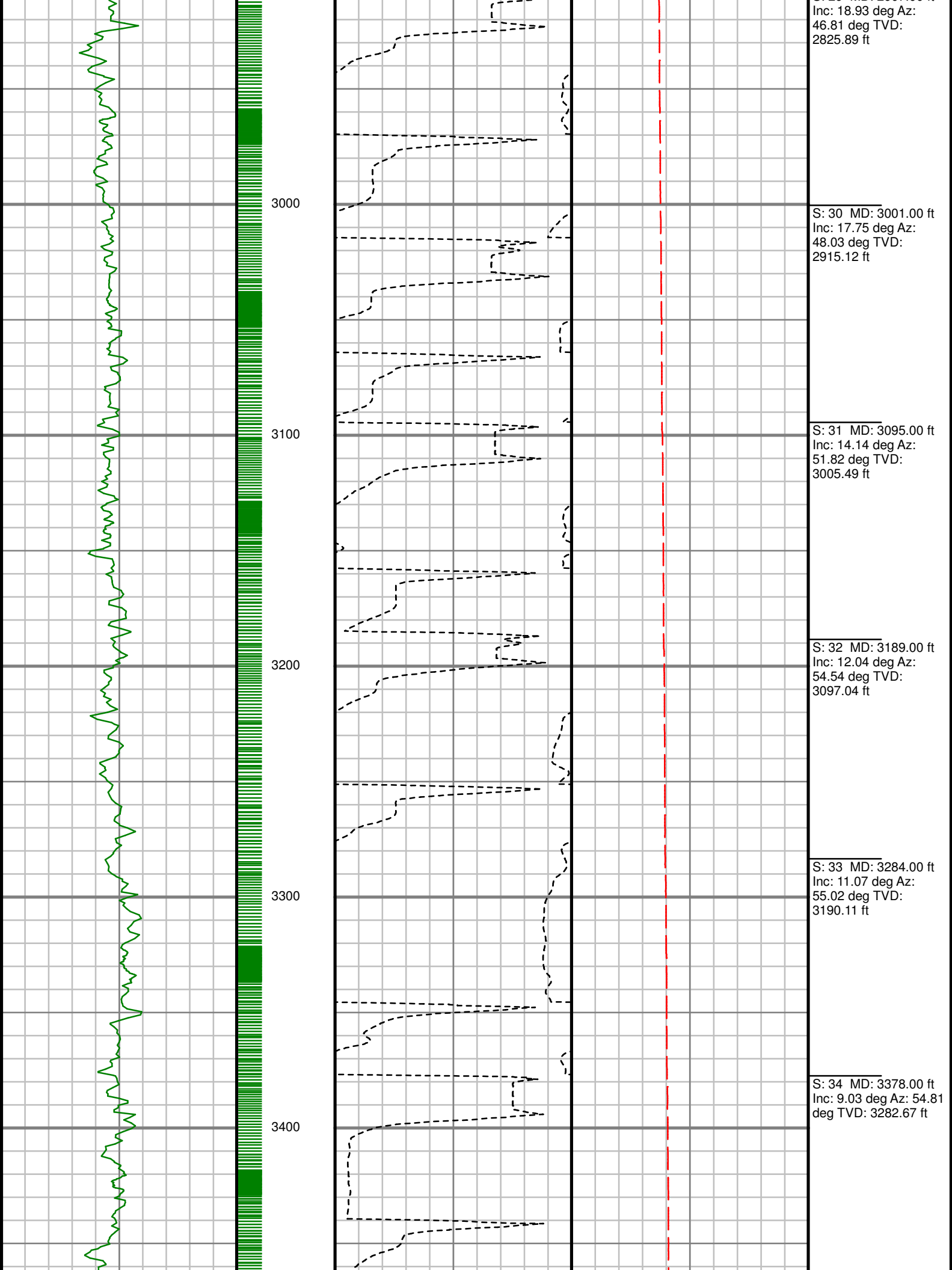
BILL BARRETT CORP.
ANSCHUTZ EQUUS FARMS 3-62-4-2532XCN
WATTENBERG FIELD
WELD COUNTY, COLORADO
05-123-46020

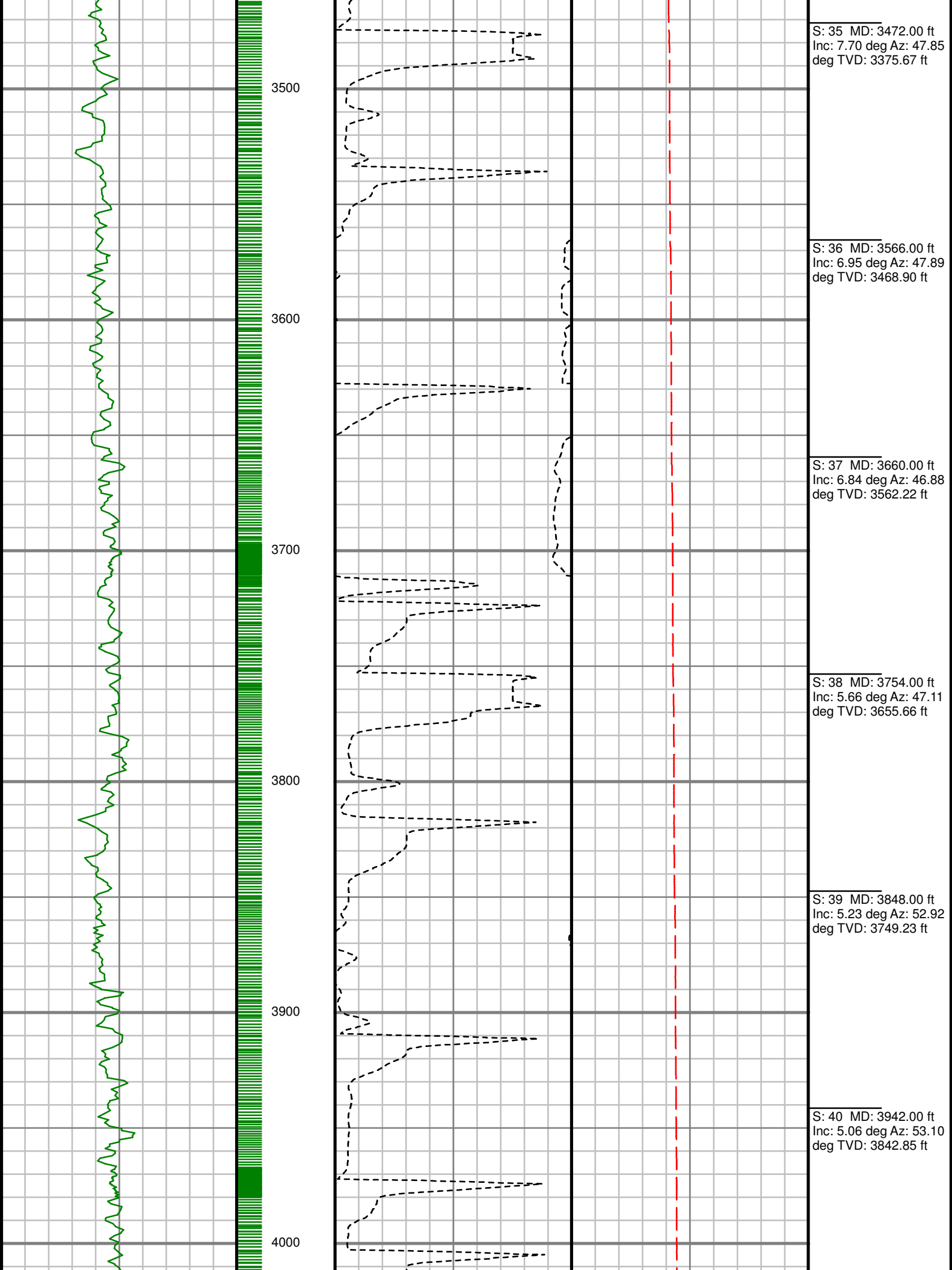














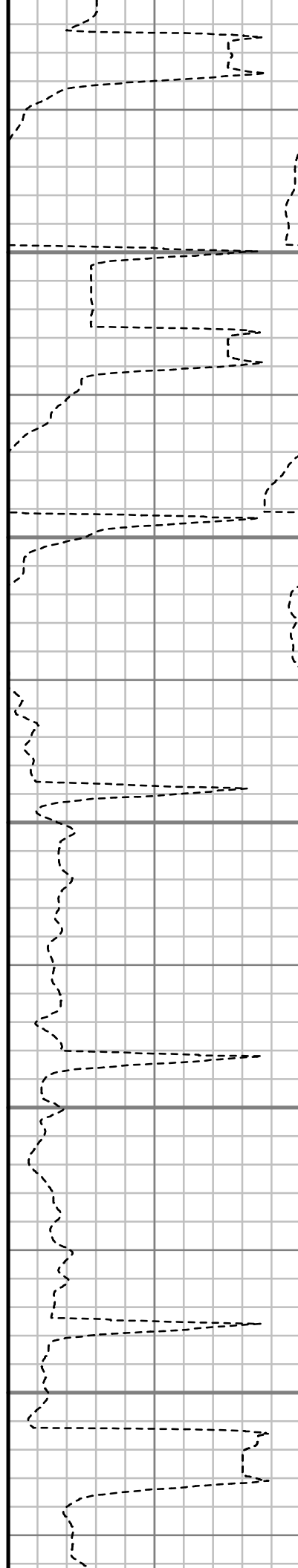
4100

4200

4300

4400

4500



S: 41 MD: 4036.00 ft
Inc: 3.22 deg Az: 38.29
deg TVD: 3936.61 ft

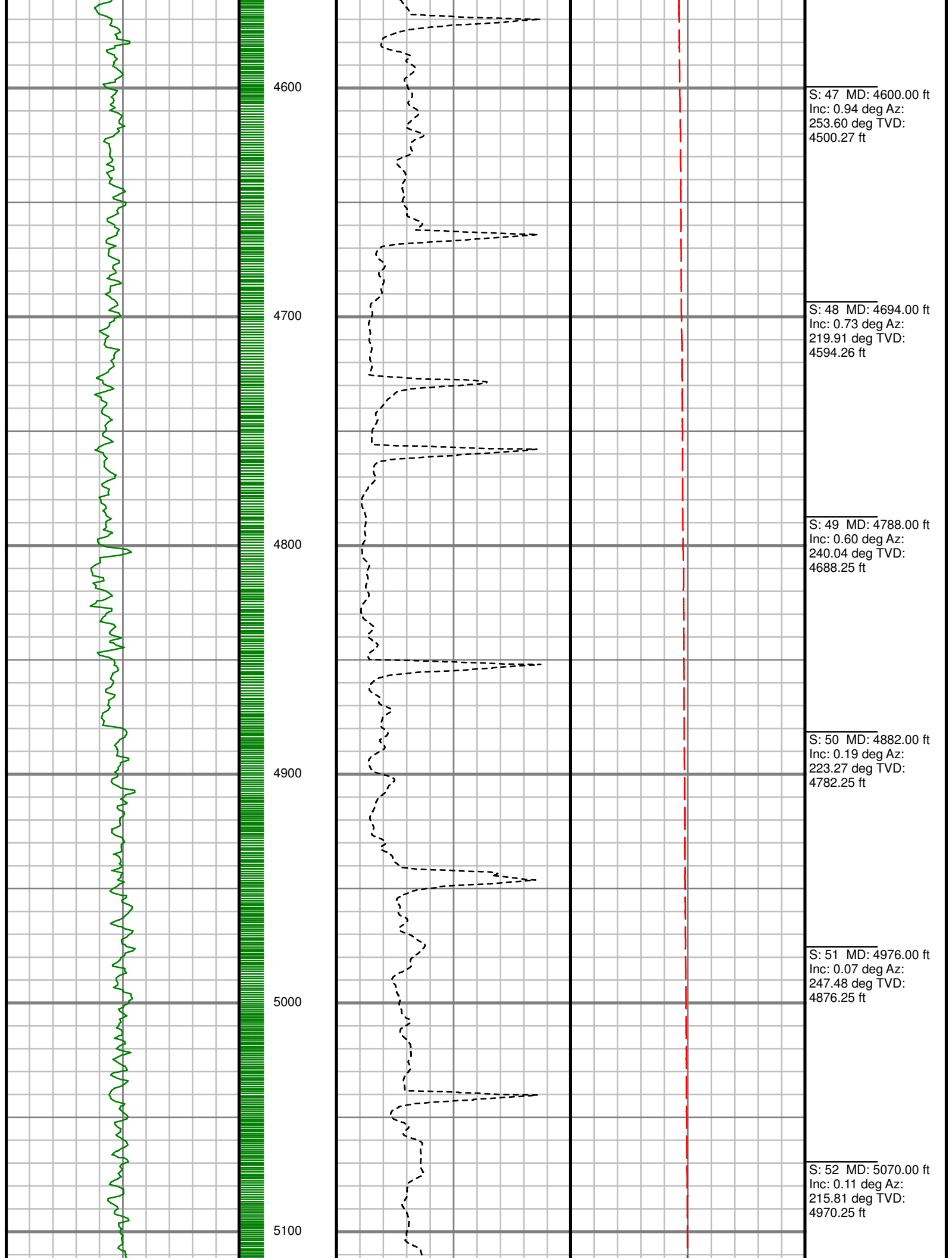
S: 42 MD: 4130.00 ft
Inc: 2.21 deg Az: 43.86
deg TVD: 4030.50 ft

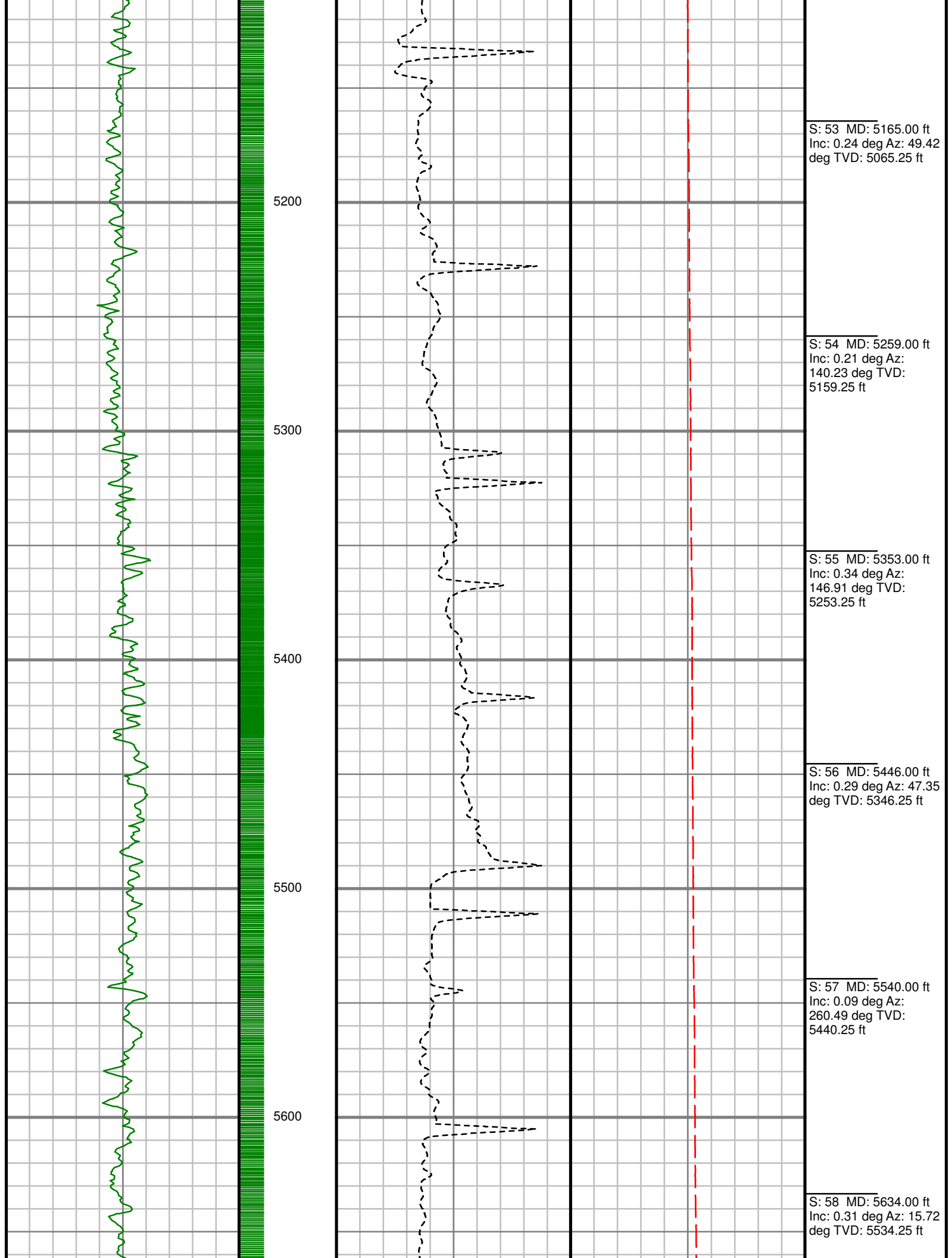
S: 43 MD: 4224.00 ft
Inc: 1.84 deg Az: 52.01
deg TVD: 4124.44 ft

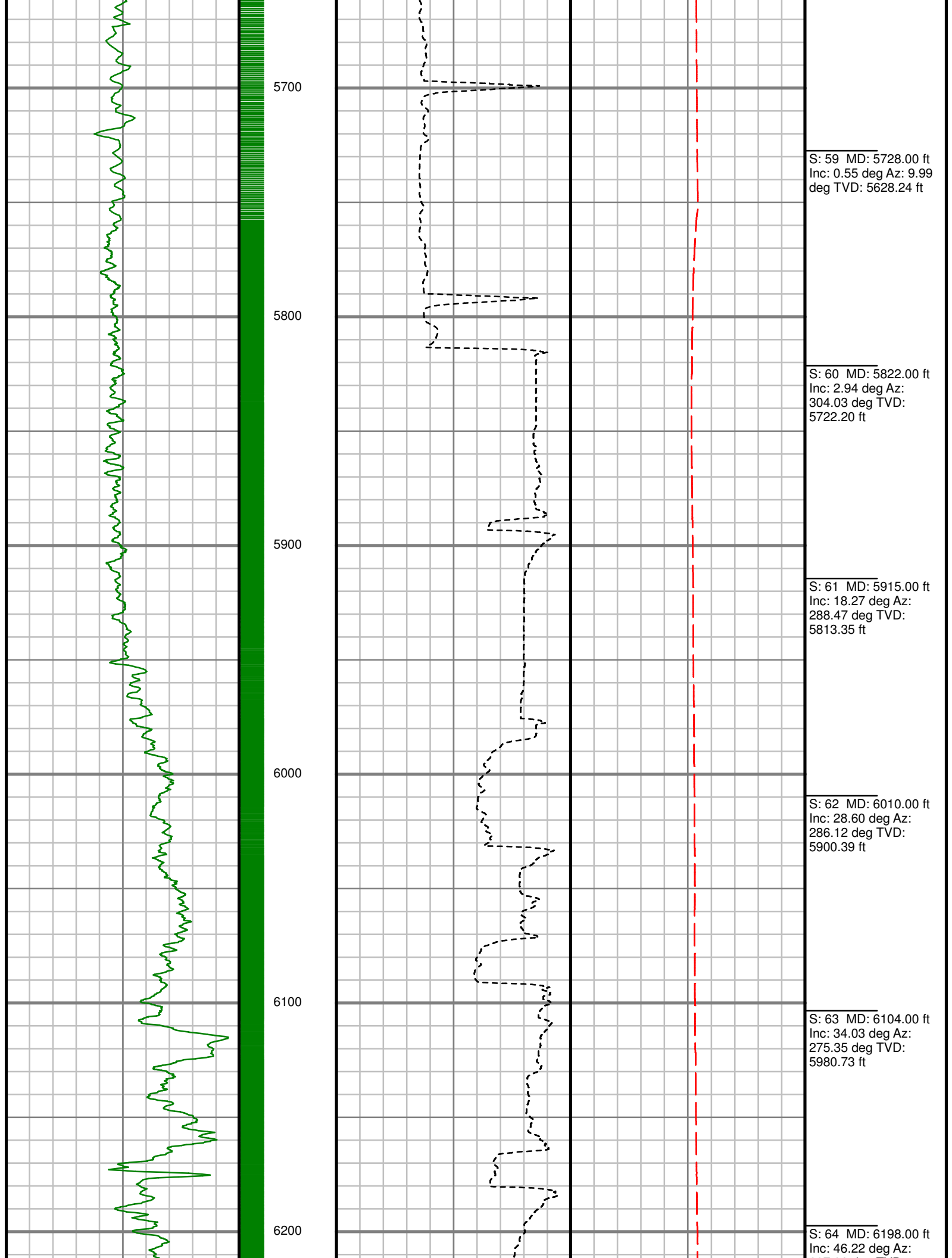
S: 44 MD: 4318.00 ft
Inc: 2.01 deg Az: 36.23
deg TVD: 4218.39 ft

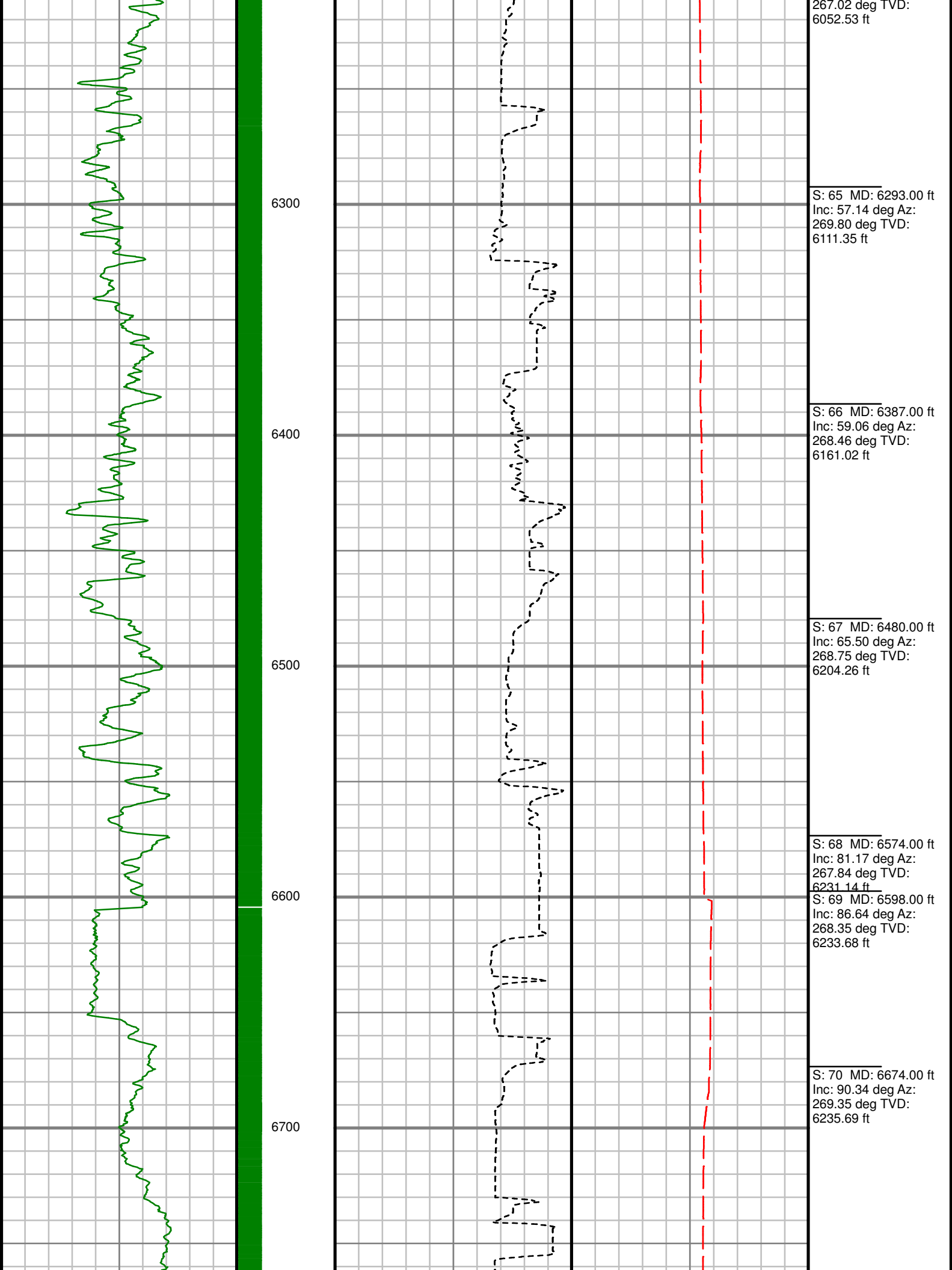
S: 45 MD: 4412.00 ft
Inc: 2.29 deg Az: 41.93
deg TVD: 4312.32 ft

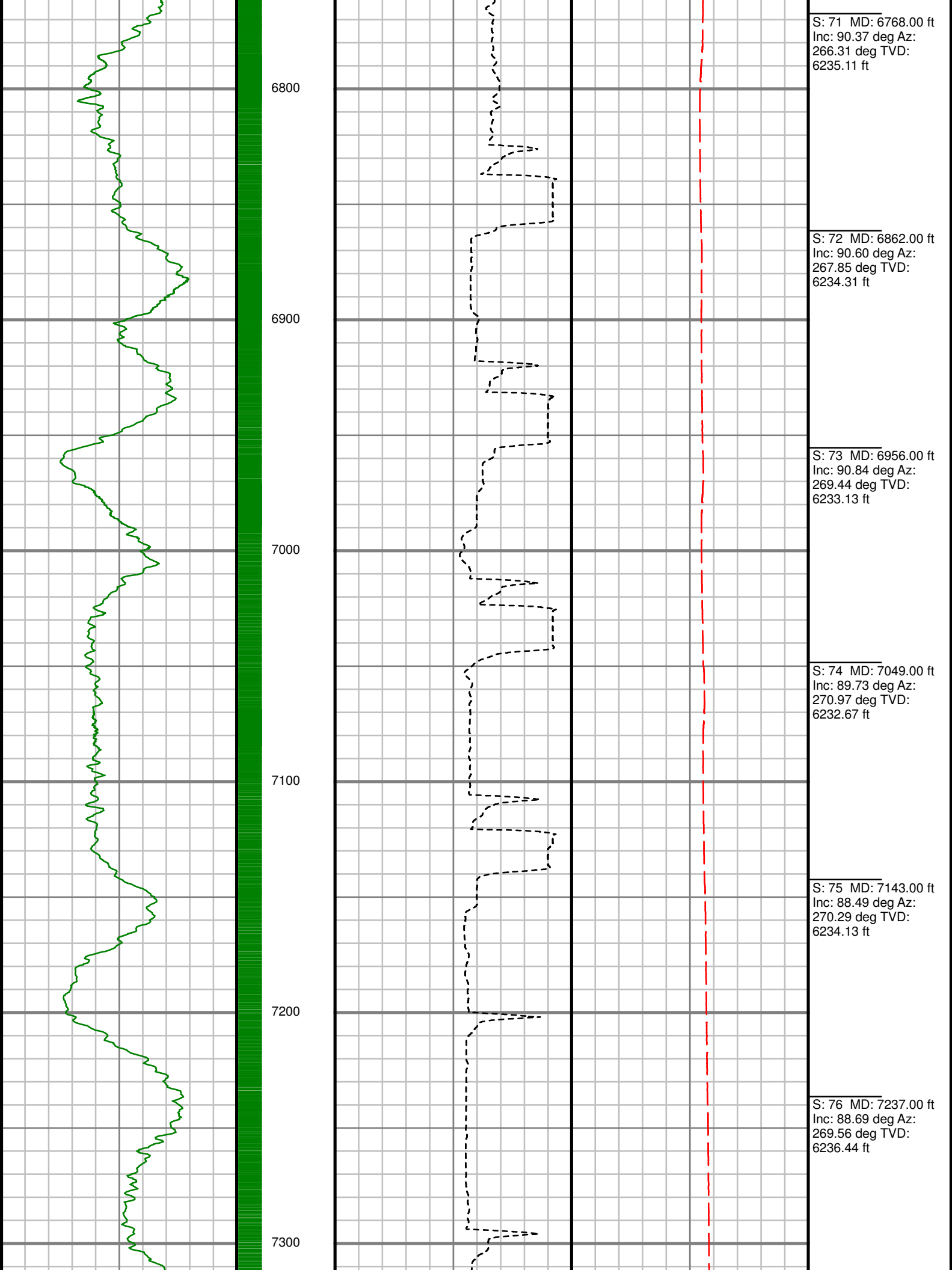
S: 46 MD: 4506.00 ft
Inc: 1.30 deg Az: 37.12
deg TVD: 4406.28 ft

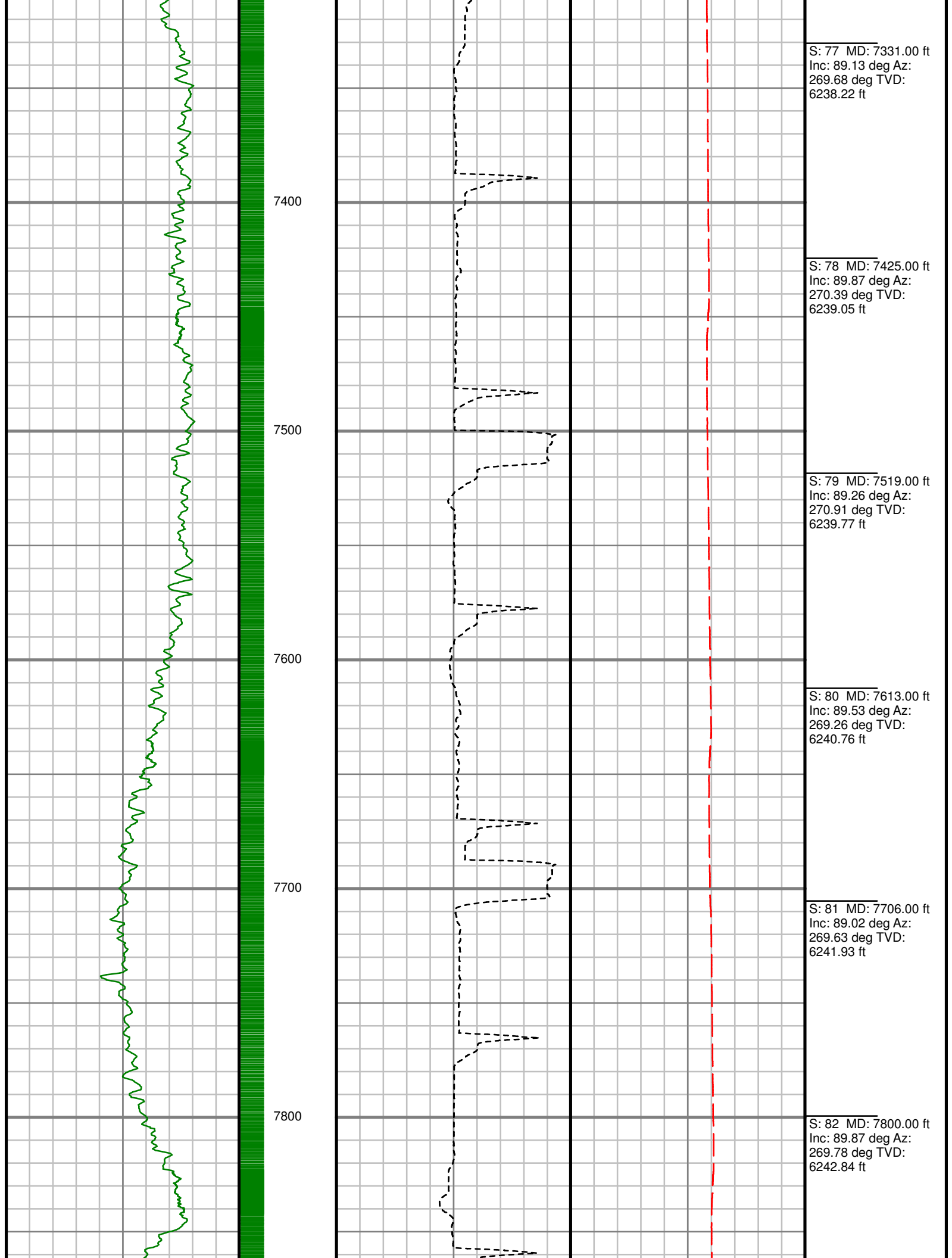


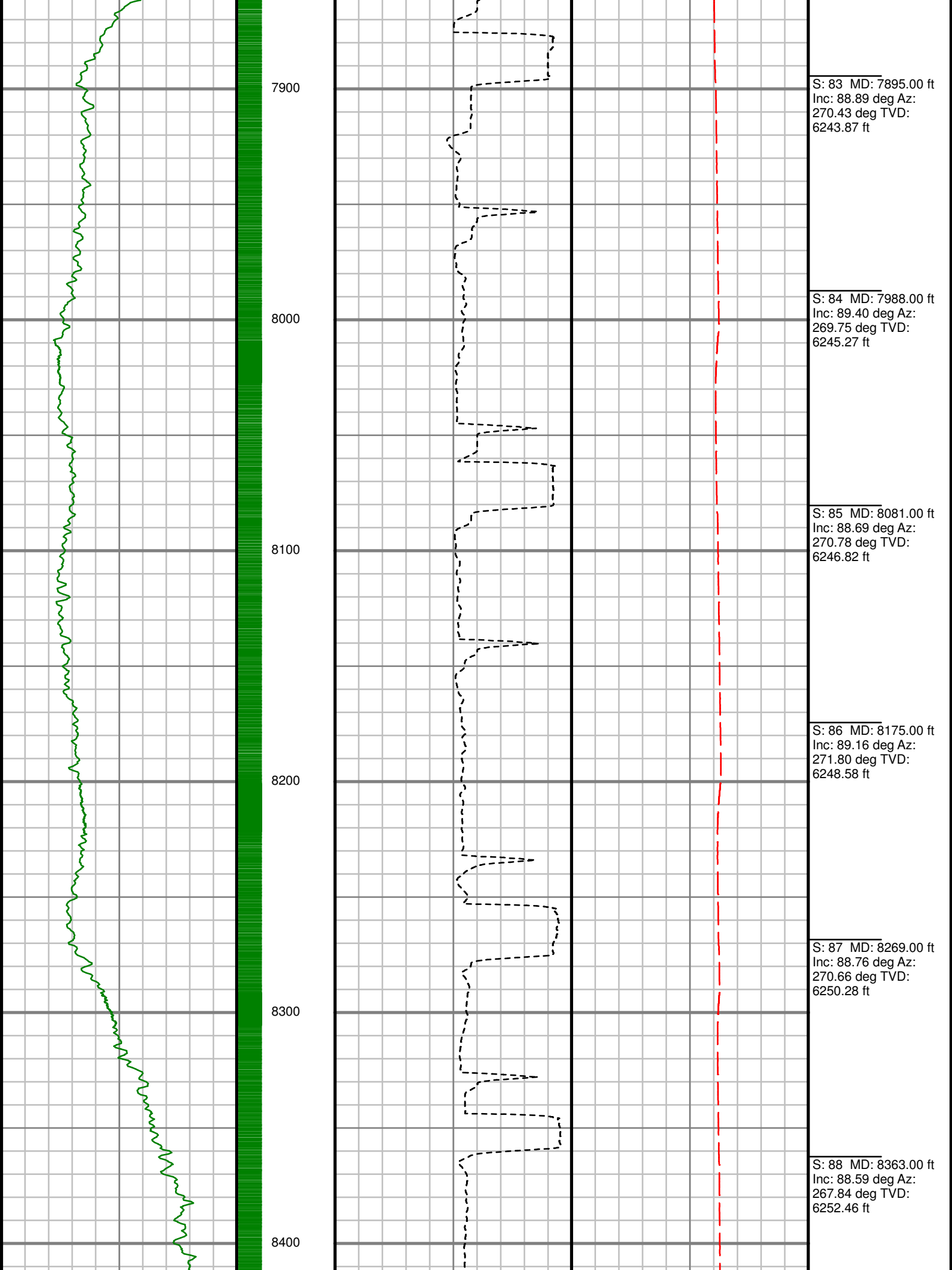


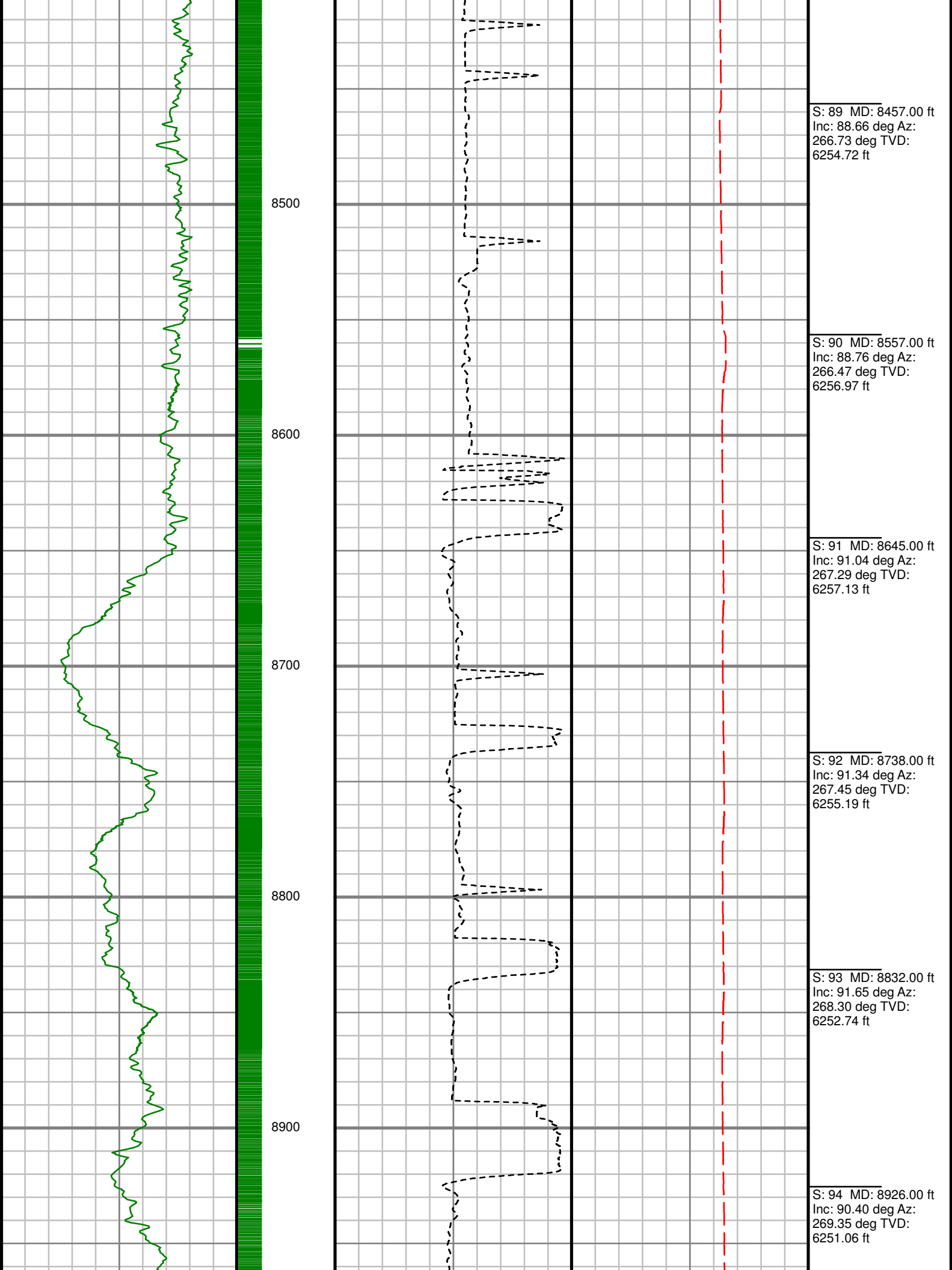


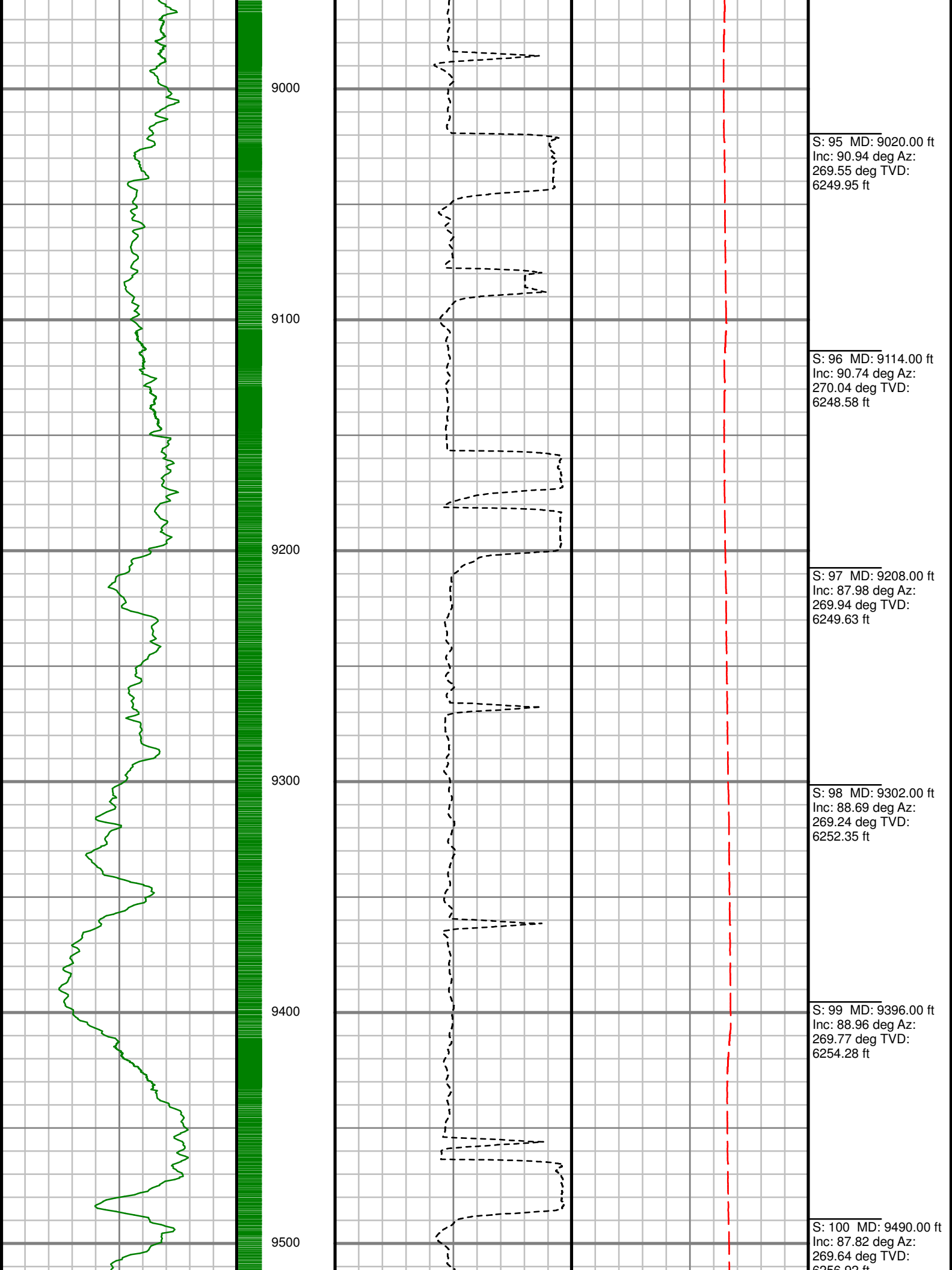


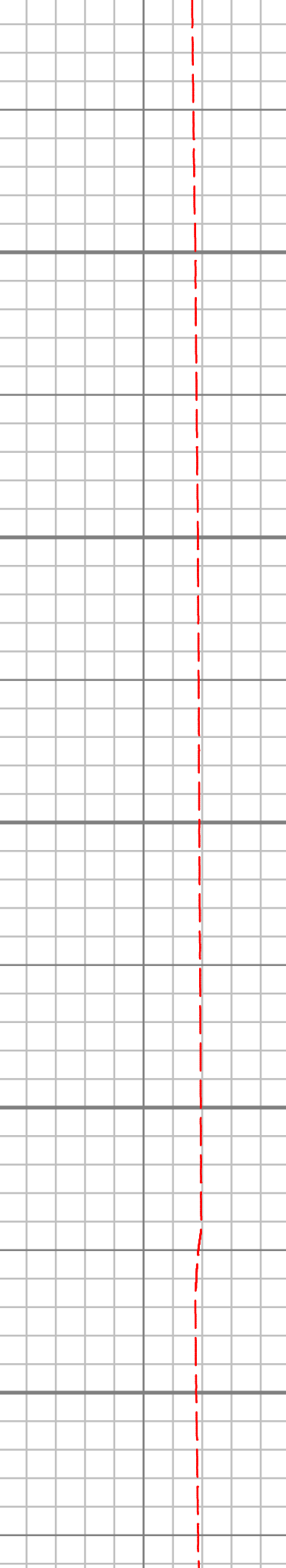
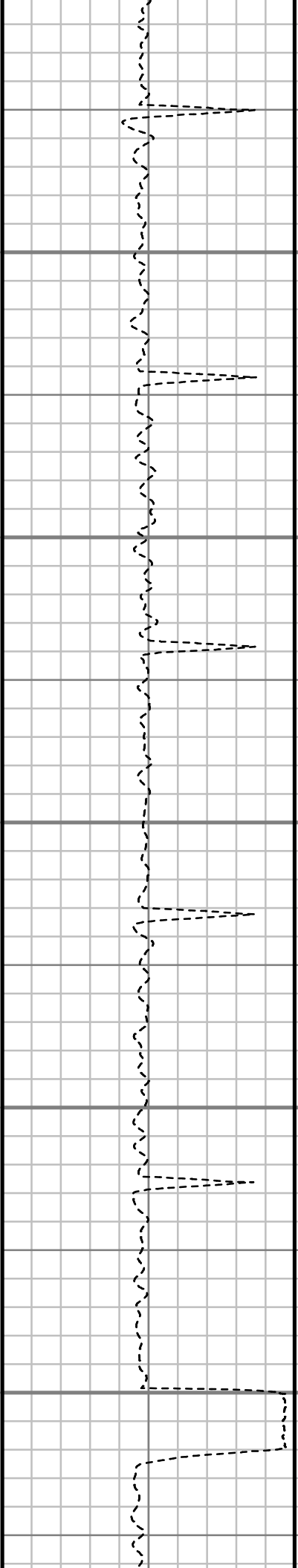
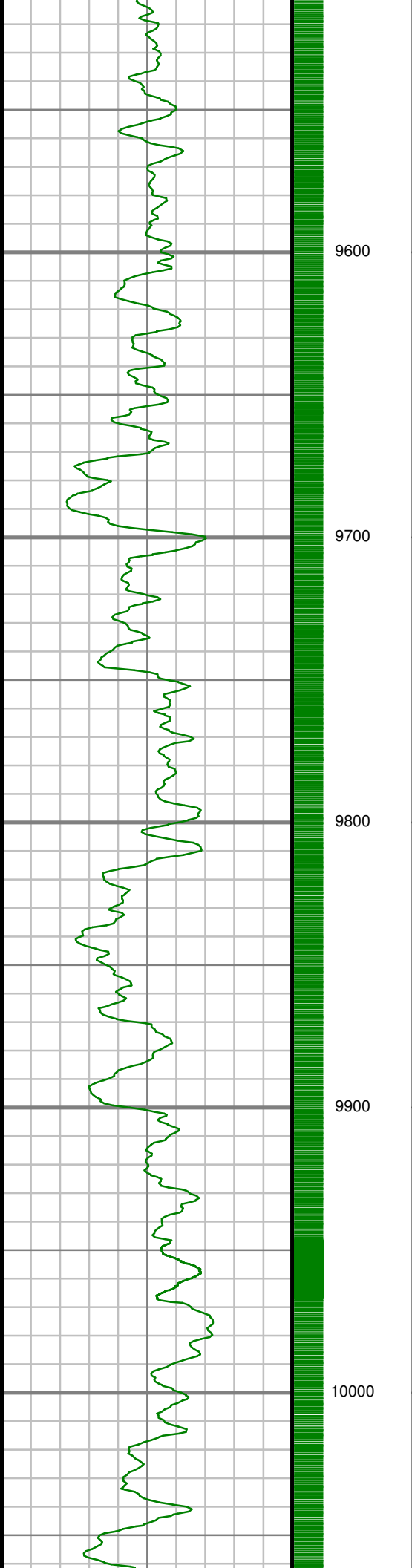












S: 101 MD: 9584.00 ft
Inc: 87.76 deg Az:
269.57 deg TVD:
6260.55 ft

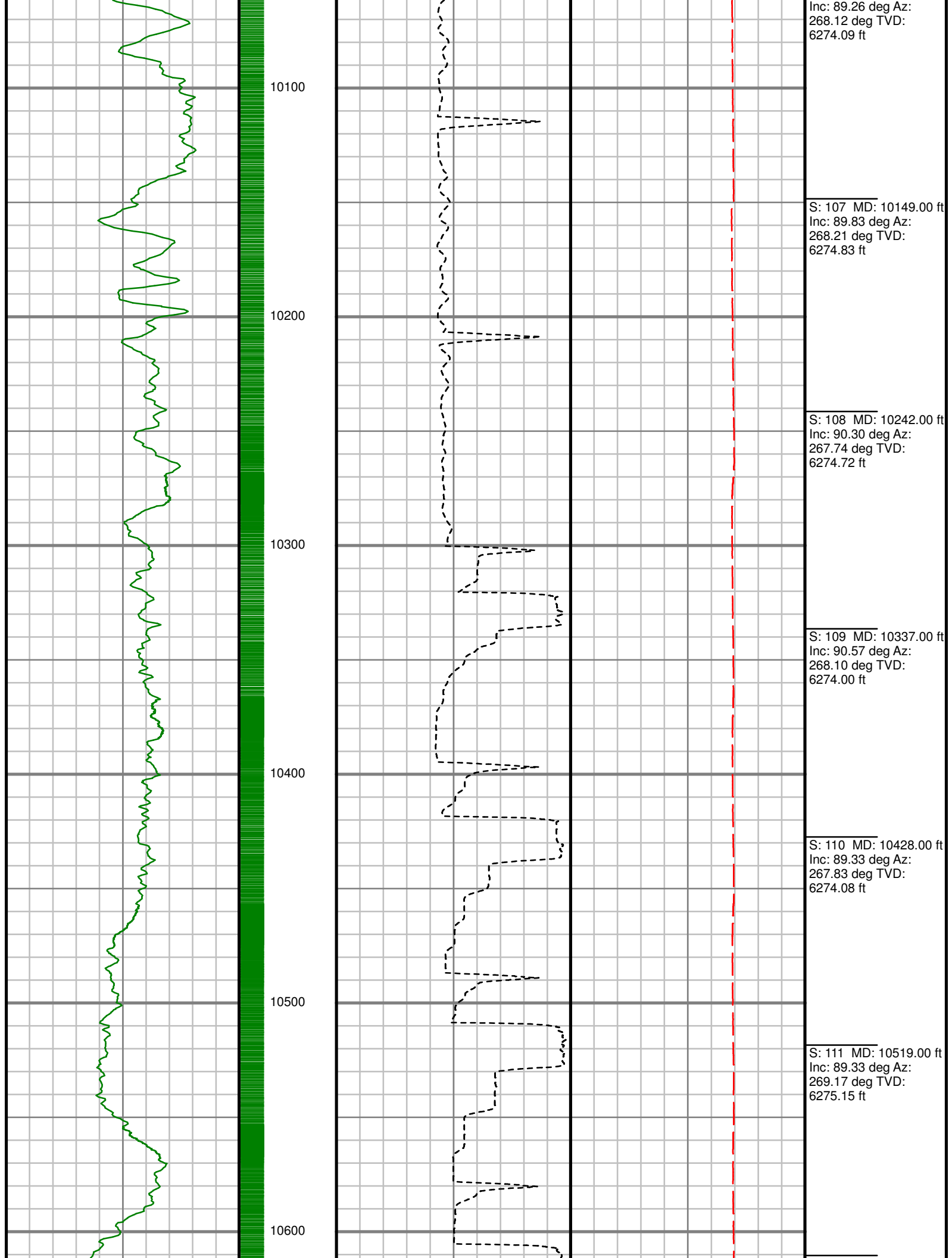
S: 102 MD: 9678.00 ft
Inc: 87.82 deg Az:
269.36 deg TVD:
6264.18 ft

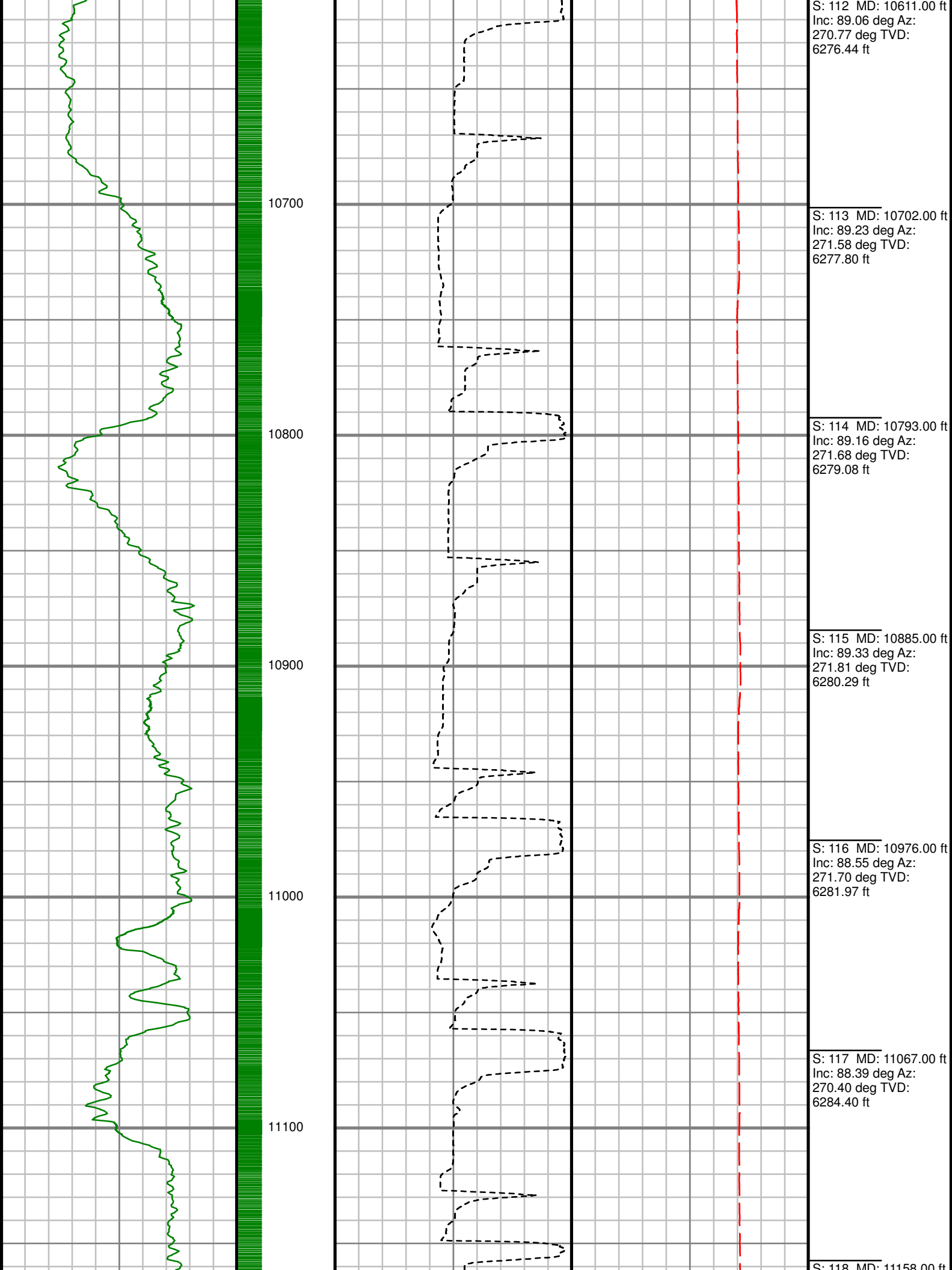
S: 103 MD: 9772.00 ft
Inc: 88.19 deg Az:
269.84 deg TVD:
6267.45 ft

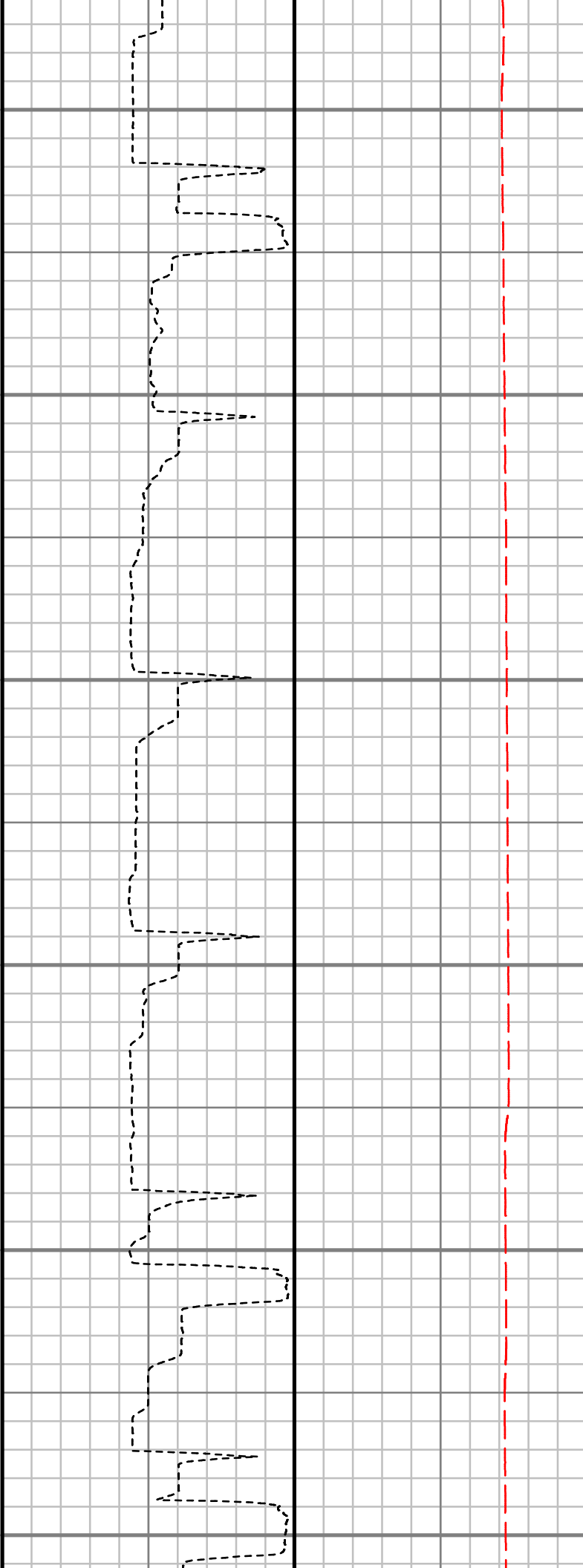
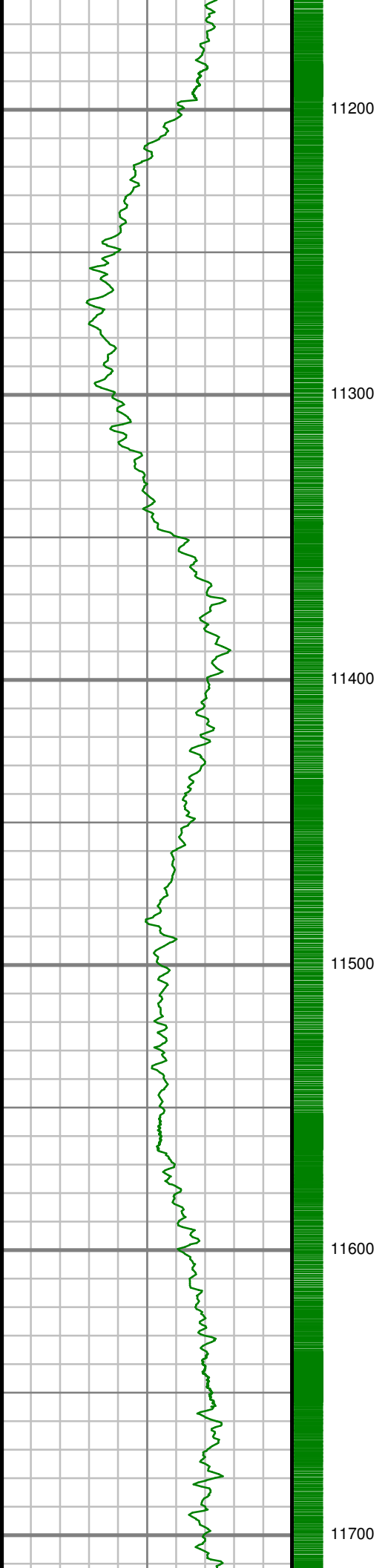
S: 104 MD: 9867.00 ft
Inc: 88.49 deg Az:
270.16 deg TVD:
6270.21 ft

S: 105 MD: 9961.00 ft
Inc: 88.76 deg Az:
270.94 deg TVD:
6272.46 ft

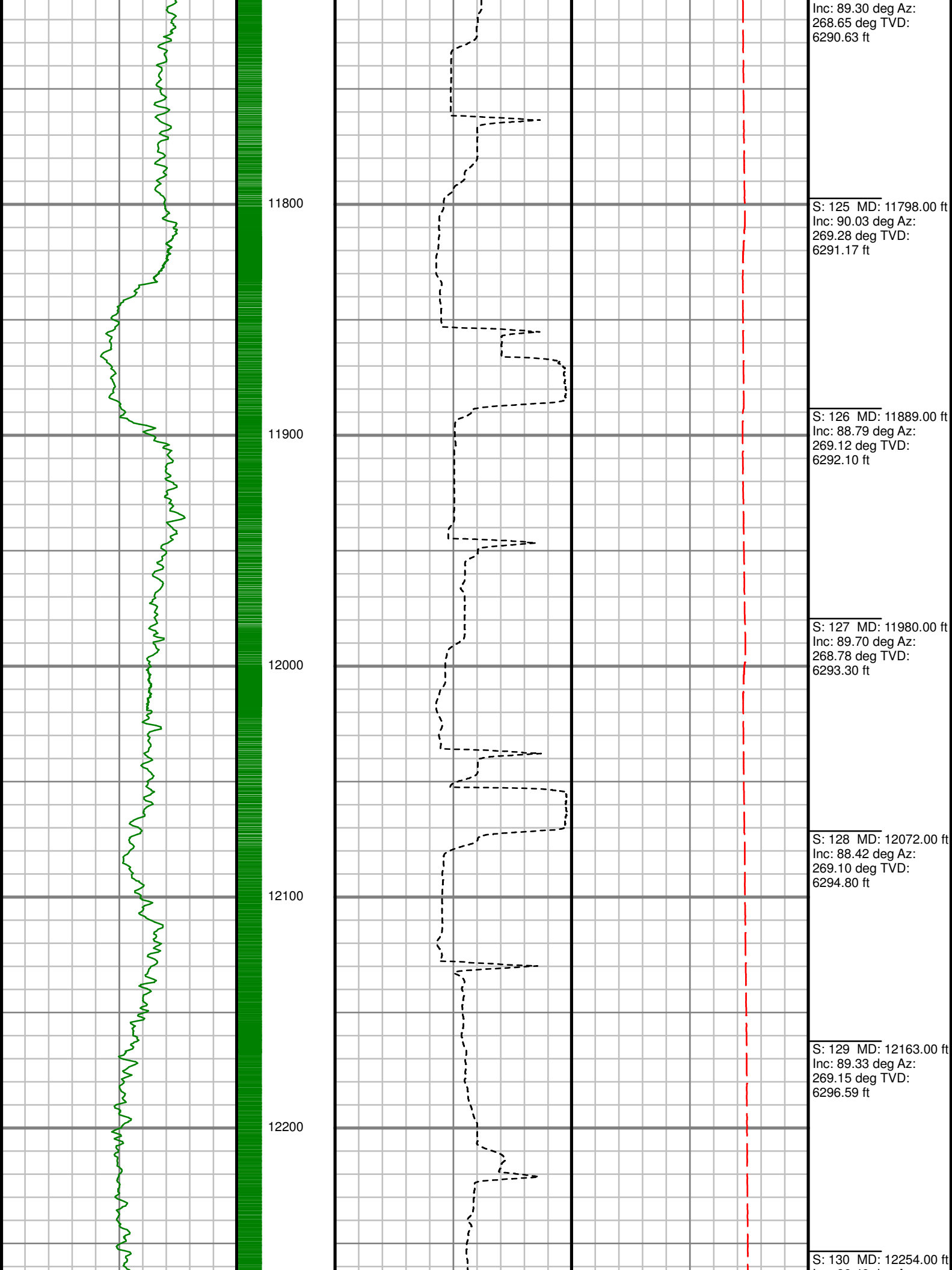
S: 106 MD: 10055.00 ft

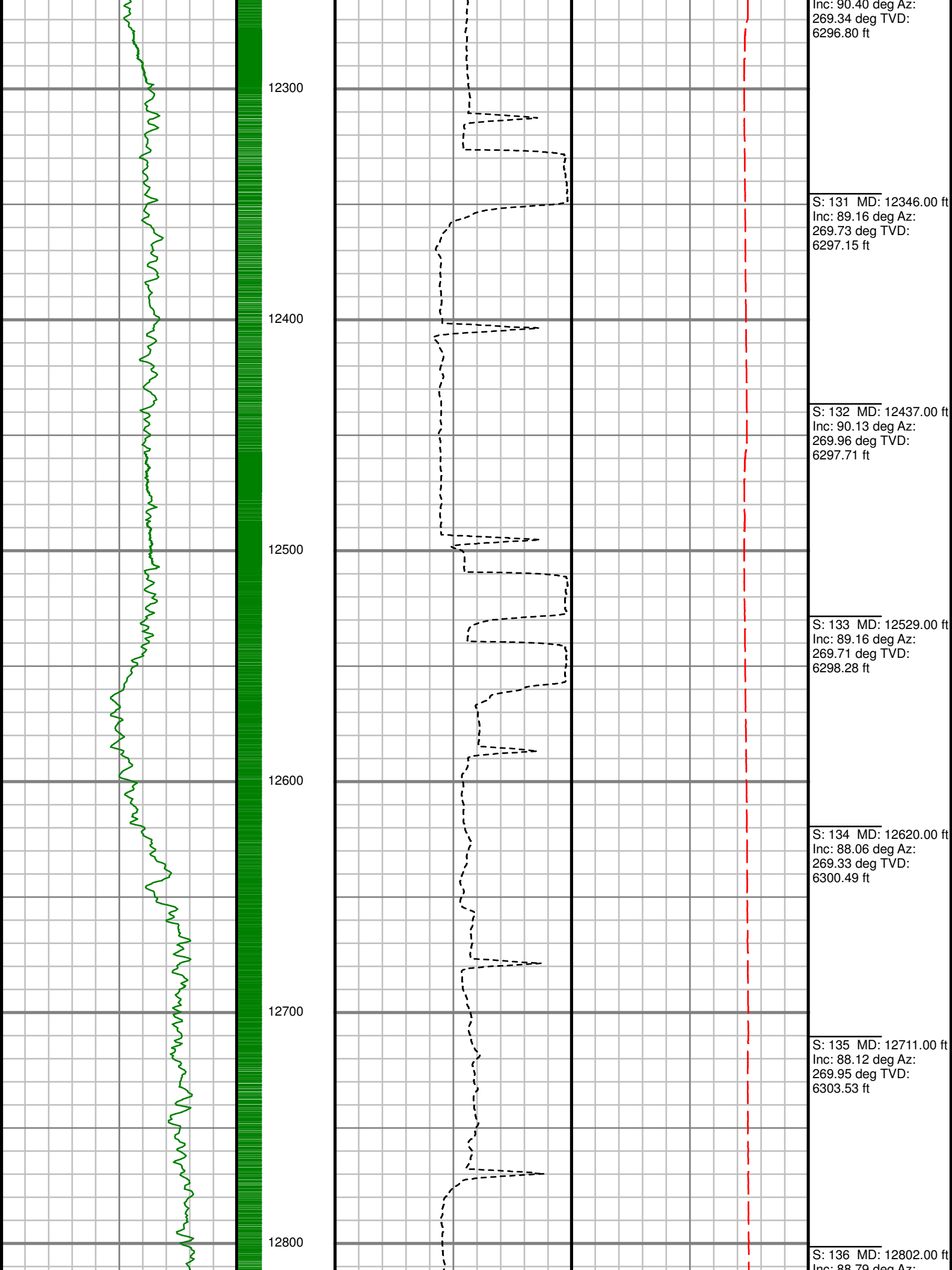


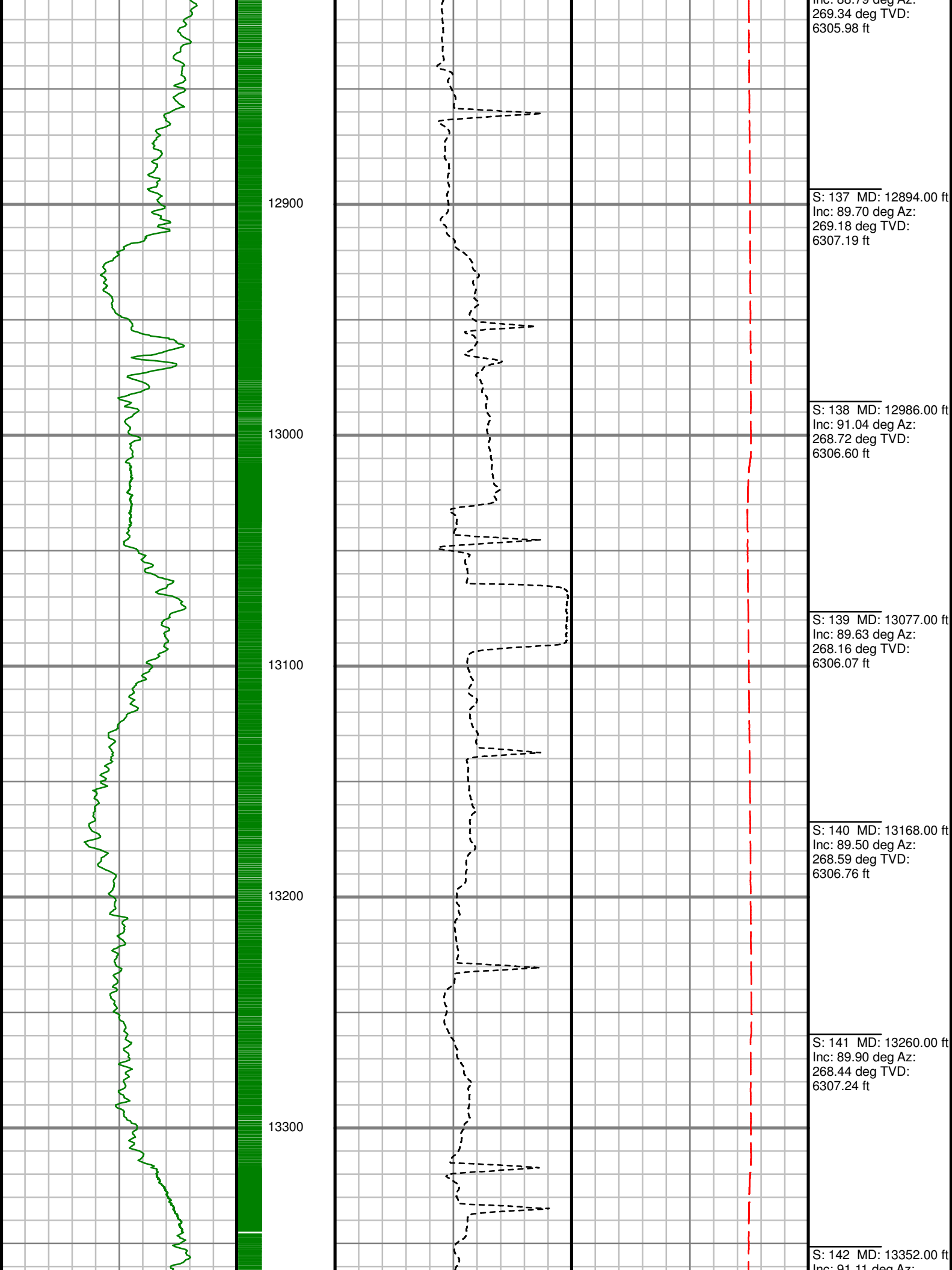


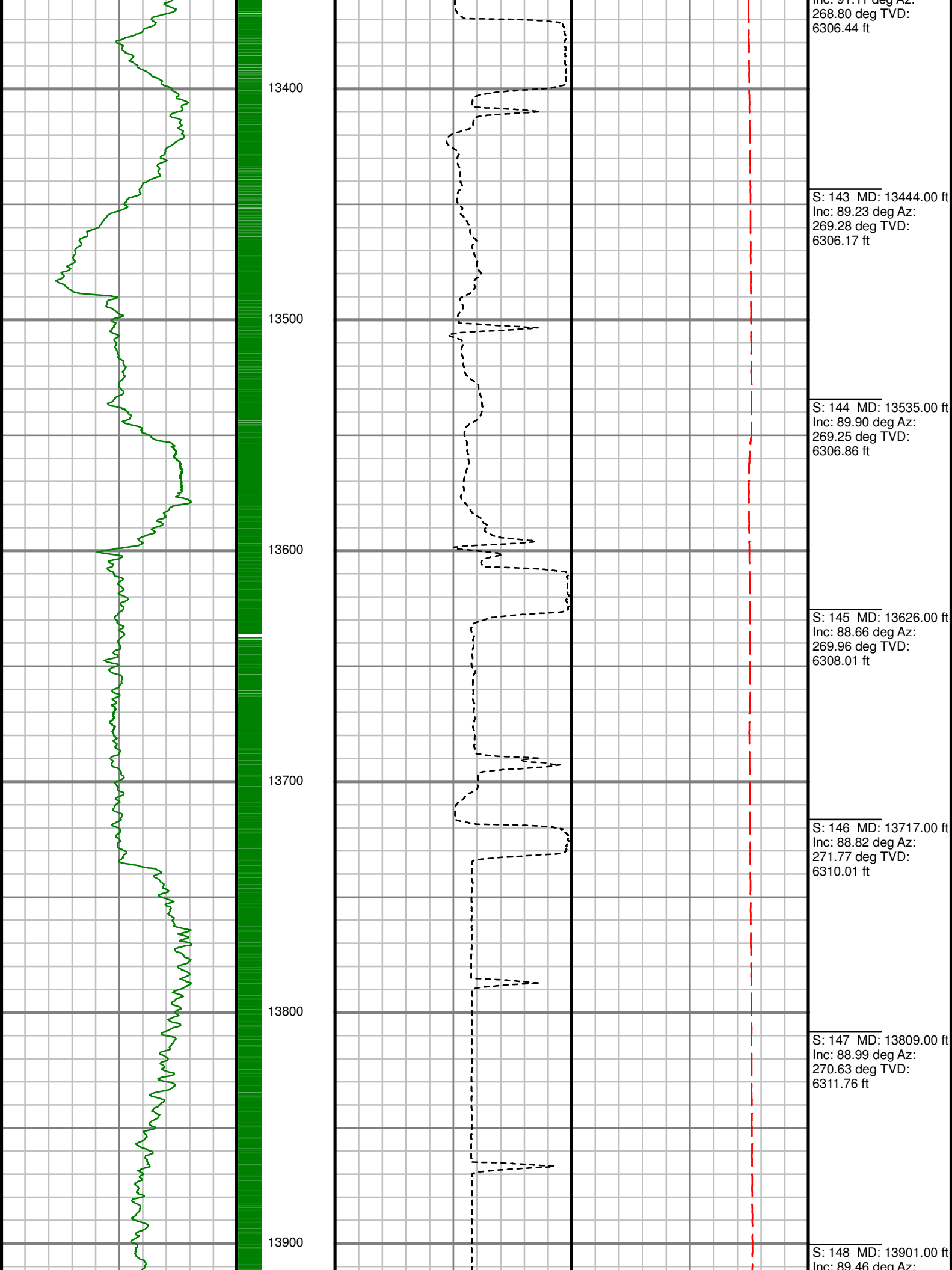


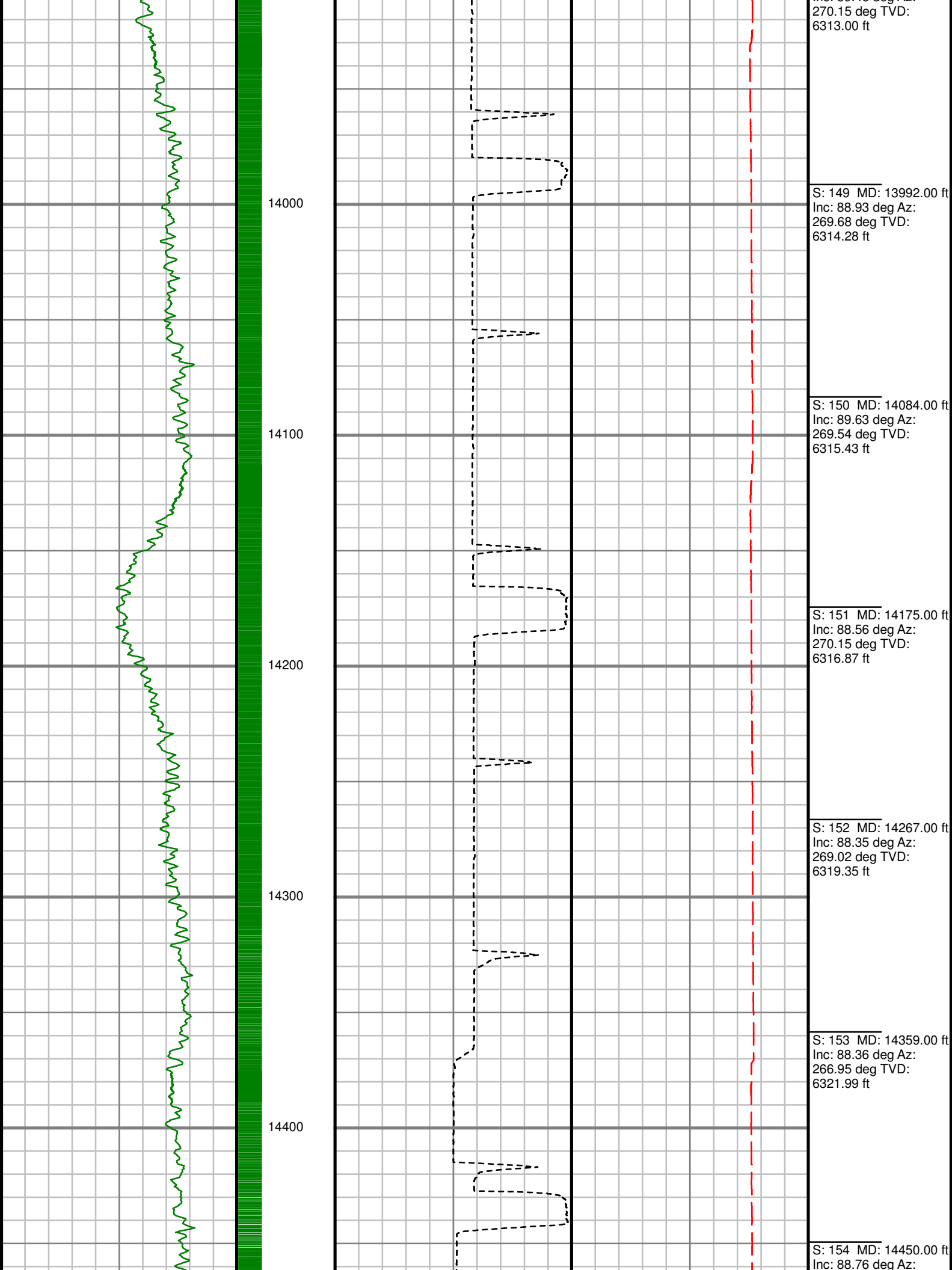
S: 118 MD: 11158.00 ft Inc: 89.23 deg Az: 270.07 deg TVD: 6286.30 ft
S: 119 MD: 11250.00 ft Inc: 88.69 deg Az: 268.15 deg TVD: 6287.97 ft
S: 120 MD: 11341.00 ft Inc: 88.93 deg Az: 267.59 deg TVD: 6289.86 ft
S: 121 MD: 11432.00 ft Inc: 89.63 deg Az: 267.66 deg TVD: 6291.01 ft
S: 122 MD: 11523.00 ft Inc: 90.24 deg Az: 268.14 deg TVD: 6291.11 ft
S: 123 MD: 11615.00 ft Inc: 90.54 deg Az: 268.14 deg TVD: 6290.49 ft
S: 124 MD: 11706.00 ft

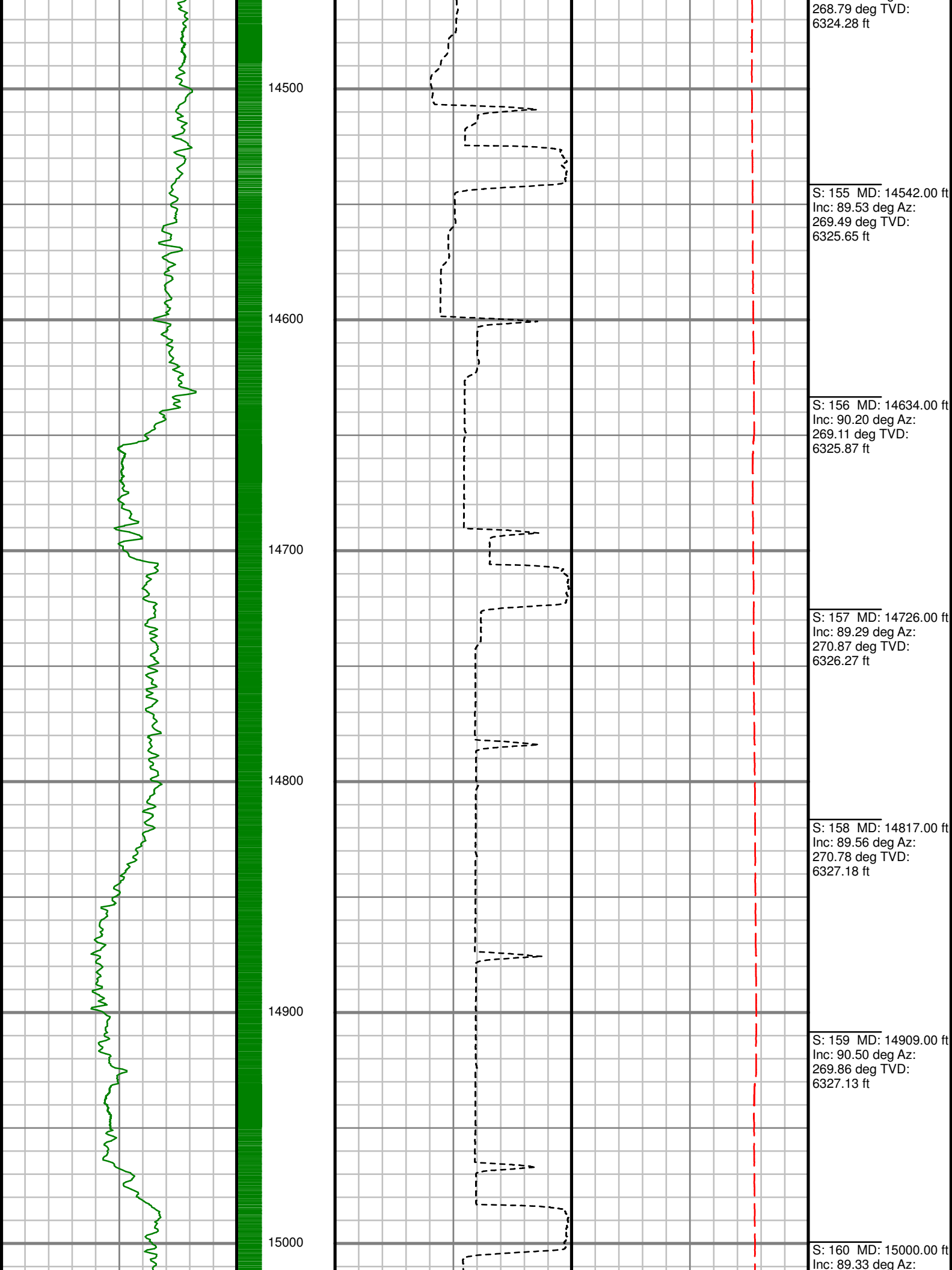


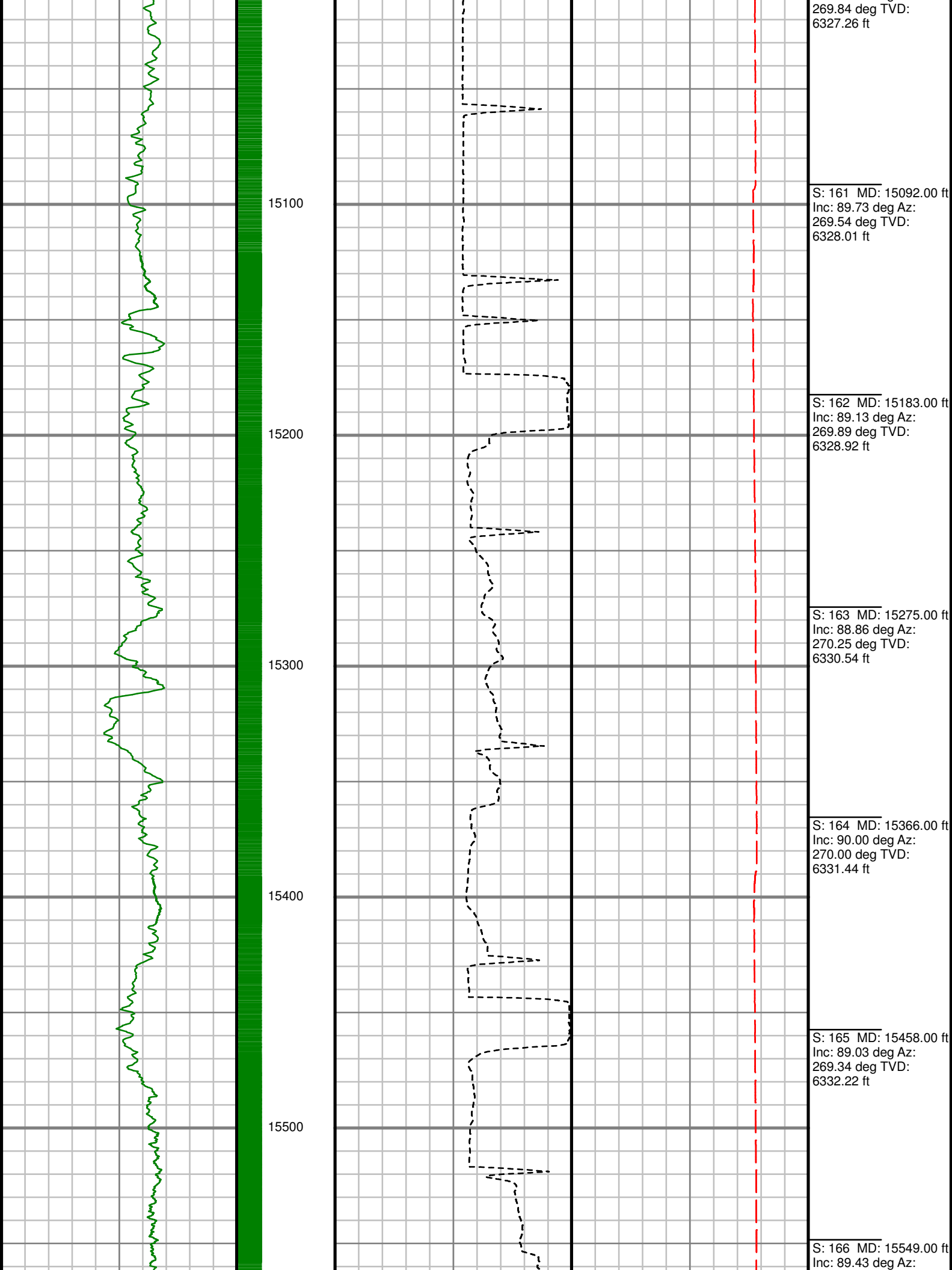


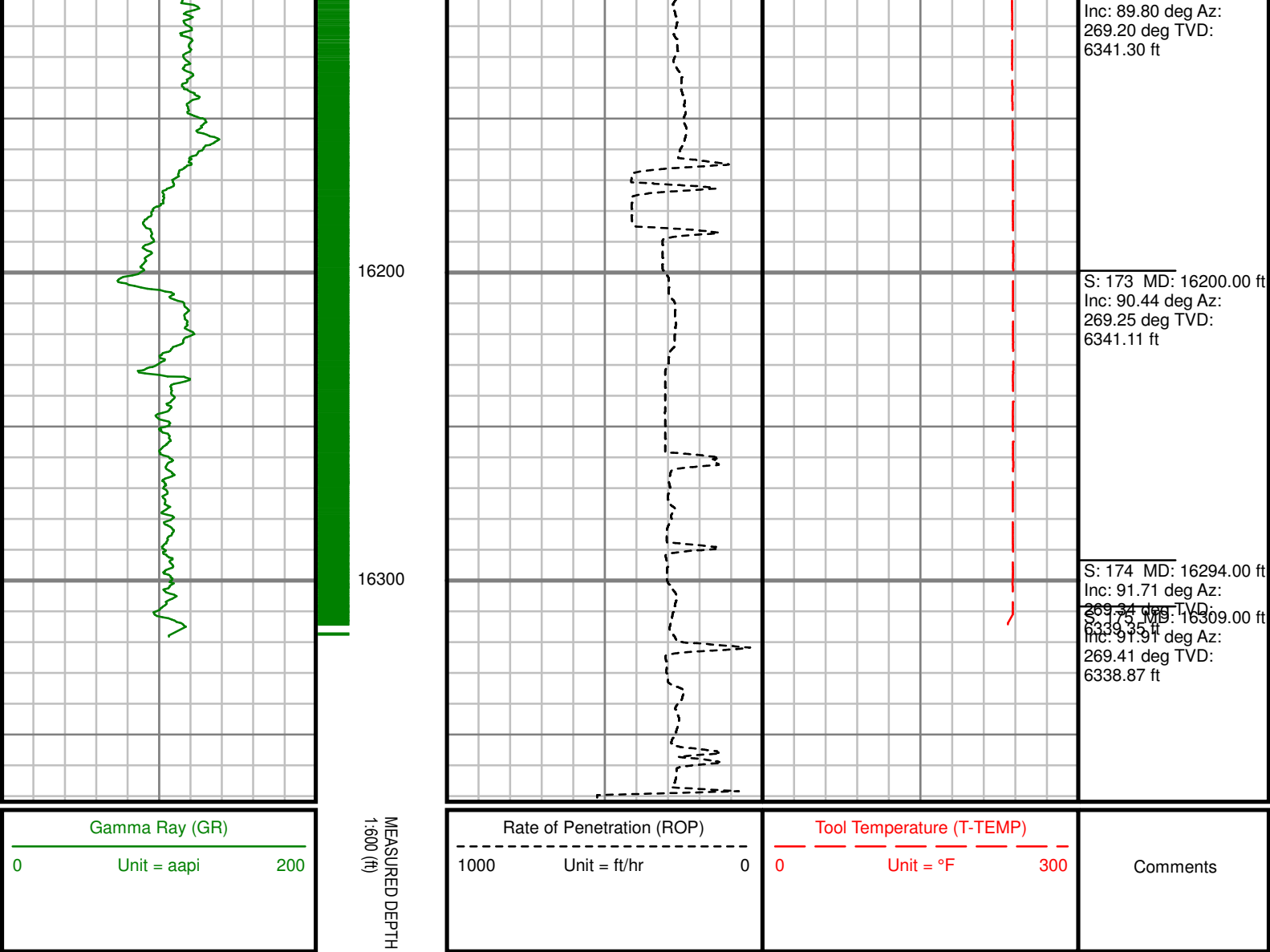












GAMMA RAY

2" = 100' MD