

COMPANY : ANADARKO E&P ONSHORE LLC.
WELL : FOLLEY NORTH 1
FIELD : WATTENBERG
COUNTY : WELD
STATE : COLORADO
COUNTRY : U.S.A.
UWI : 05069064860000

UWI : 05069064860000

RANGE: 68W

G.L. to MEAN SEA LEVEL

FETR

CASING SIZE in	FROM ft	TO ft			
9.625	0	1852			
			DRILLING CO. : PRECISION DRILLING		
			RIG : 461		
			LWD UNIT NO. : DISTRICT : CASPER		
			SPUD DATE : 08/13/2016		
			LWD START DATE : 08/15/2016		DEPTH : 1900 ft
			LWD END DATE : 08/21/2016		DEPTH : 18245 ft
			TOTAL DEPTH : 18245 ft		

Run Data

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START DATE	08/15/2016
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START TIME	1200
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END DATE	08/21/2016
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END TIME	0730
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DEPTH IN (ft)	1873
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DEPTH OUT (ft)

LOG TOP (ft)	1900
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LOG BOTTOM (ft) | 18245

HOLE SIZE (in)
8.5

MUD DATA @ (ft)	16434
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MUD TYPE

DENSITY (lb / gal)	9.2
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VISCOSITY (s / qt)

56

pH	2
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FLUID LOSS (cm³ / 30) -

SALINITY (ppm)

Rm (ohmm @ deg F)	-
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Rmf (ohmm @ deg F)

MAX TEMP (deg F)	245
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Rm @ MAX TEMP (ohmm)	-

C. WRIGHT

LWLD ENGINEER #1

LLWD ENGINEER #2

LOWD ENGINEER #3

LOG WITNESS #1	-
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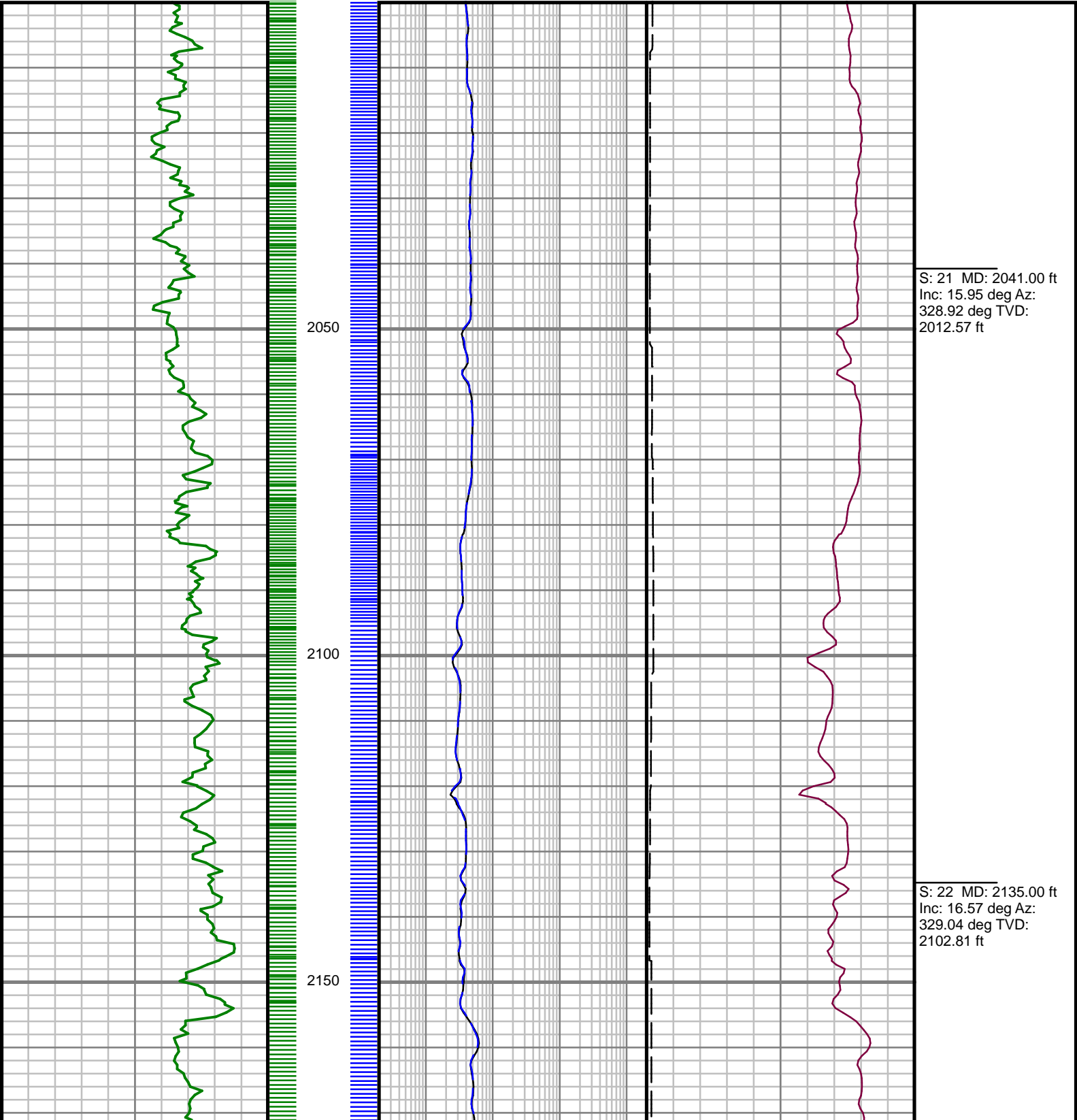
Remarks
ANADARKO E&P ONSHORE LLC. PRODUCTION AFE# 2123188
SCIENTIFIC DRILLING INTERNATIONAL JOB# 376665
ALL REFERENCES IN THE DEPTH TRACK ARE AT BIT DEPTH.
ALL DATA IS MEMORY DATA UNLESS STATED OTHERWISE.
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT RESISTIVITY, 23" CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT RESISTIVITY, 33" CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT CONDUCTIVITY, 33" CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO GAMMA RAY CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT RESISTIVITY, 23" CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT RESISTIVITY, 33" CURVE
FLAT AVERAGE FILTER OF 1.00 FT APPLIED TO PHASE SHIFT CONDUCTIVITY, 33" CURVE
RUN #1: MWD / GAMMA RAY LOGGING RUN
SENSORS S/N: PULSER = 128-291 / CONT = 493 / MWD EYE = 153 / PRT = 373 / GAMMA RAY = 1152
BIT TO SENSOR OFFSETS: SURVEY = 60.71 FT. / PRT = 50.38 / GAMMA RAY = 43.71 FT.
MNEMONICS LIST:
GR = GAMMA RAY
PR23 = PHASE SHIFT RESISTIVITY, 23"

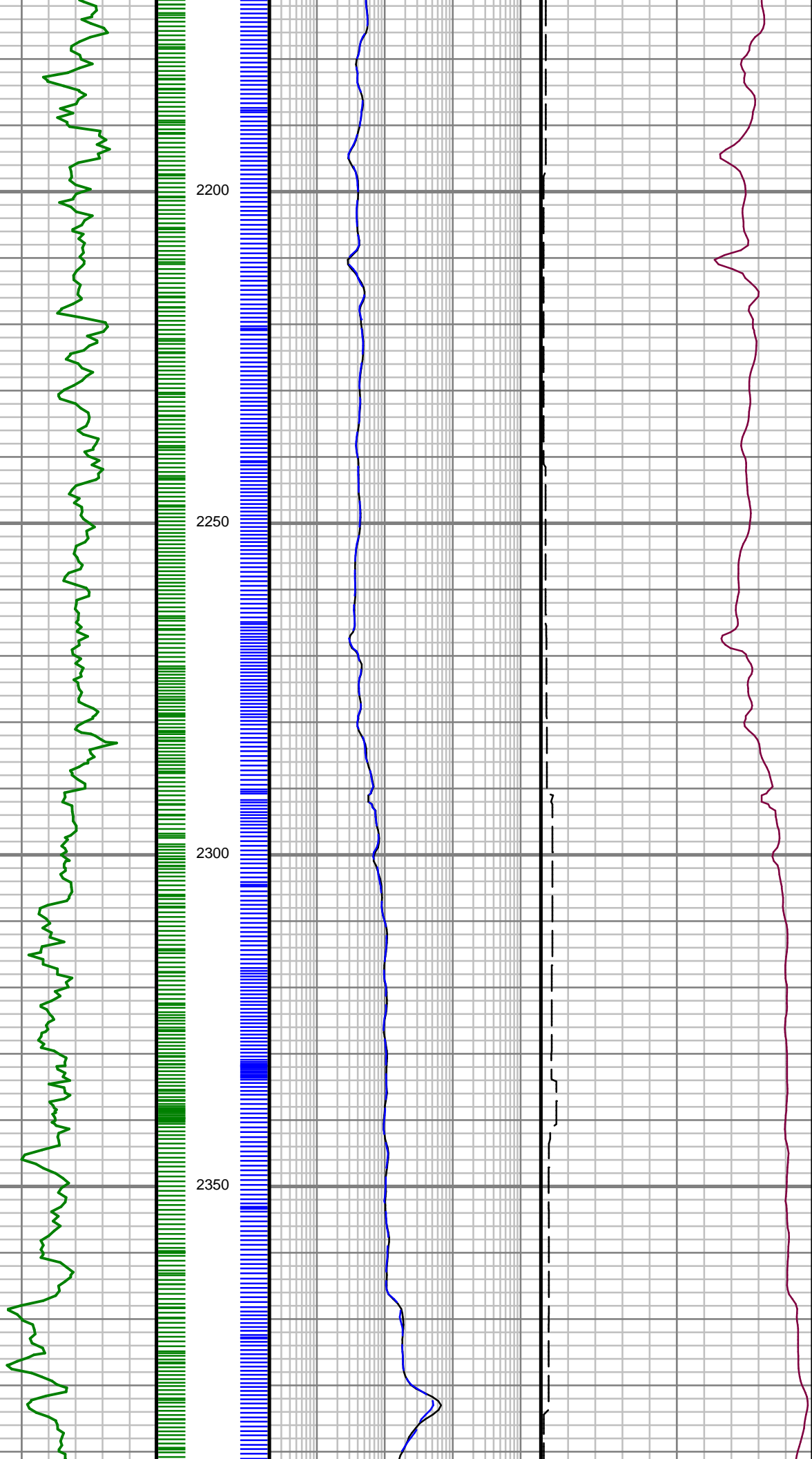
[illegible]

All interpretations are opinions based on inferences from electrical and 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.
FOLLEY NORTH 1
WATTENBERG
WELD COUNTY, COLORADO
05069064860000

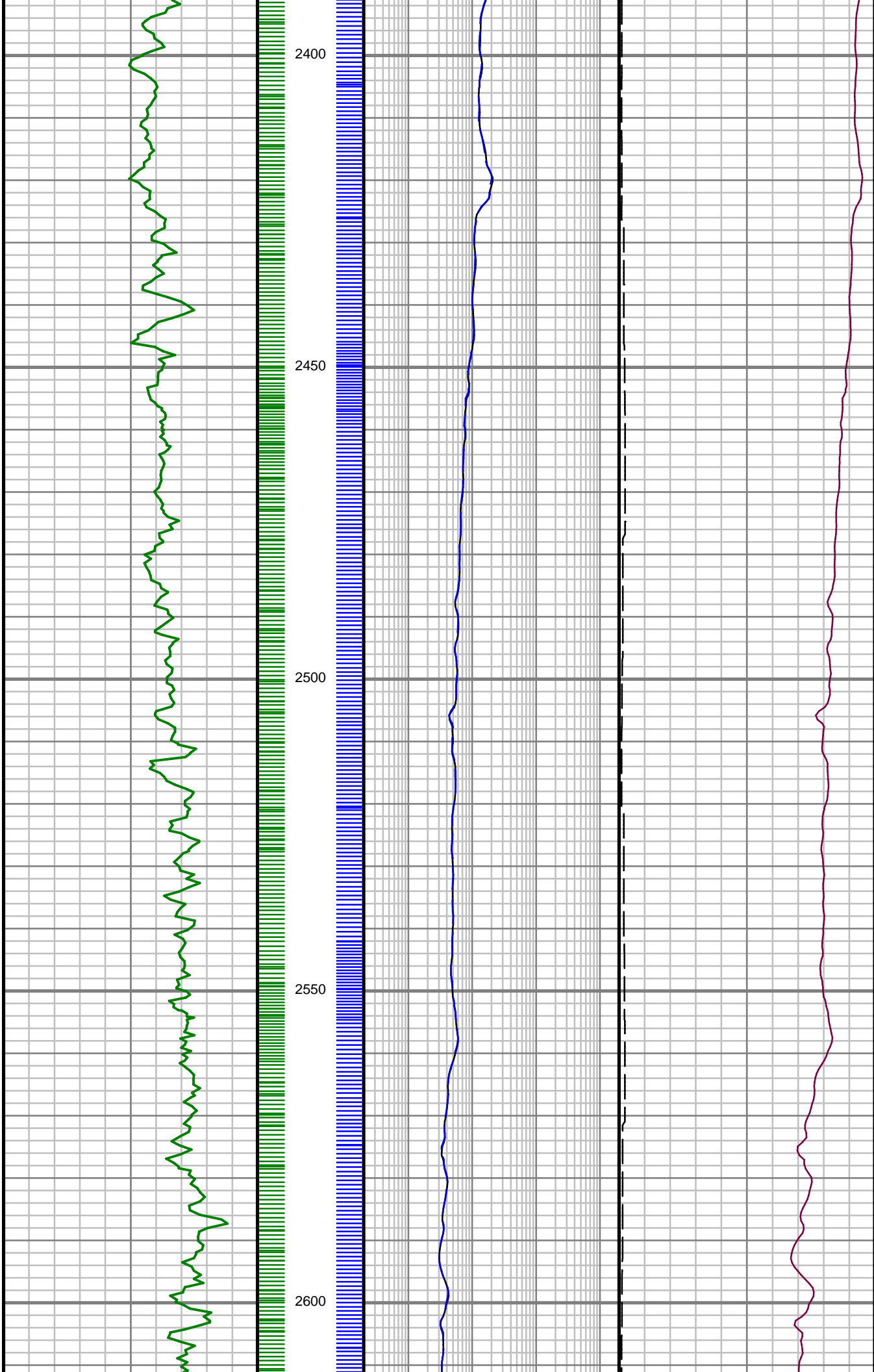
<div>Gamma Ray (GR)</div> <div>0Unit = aapi150</div>	MEASURED DEPTH 1:240 (ft)	Phase Shift Resistivity, 23" (PR23)			FET of Resistivity (FETR)			Comments
		0.2	Unit = ohmm	2000	0	Unit = hr	10	
		Phase Shift Resistivity, 33" (PR33)			Phase Shift Conductivity, 33" (PC33)			
		0.2	Unit = ohmm	2000	1000	Unit = mS/m	0	





S: 23 MD: 2230.00 ft
Inc: 15.63 deg Az:
329.83 deg TVD:
2194.08 ft

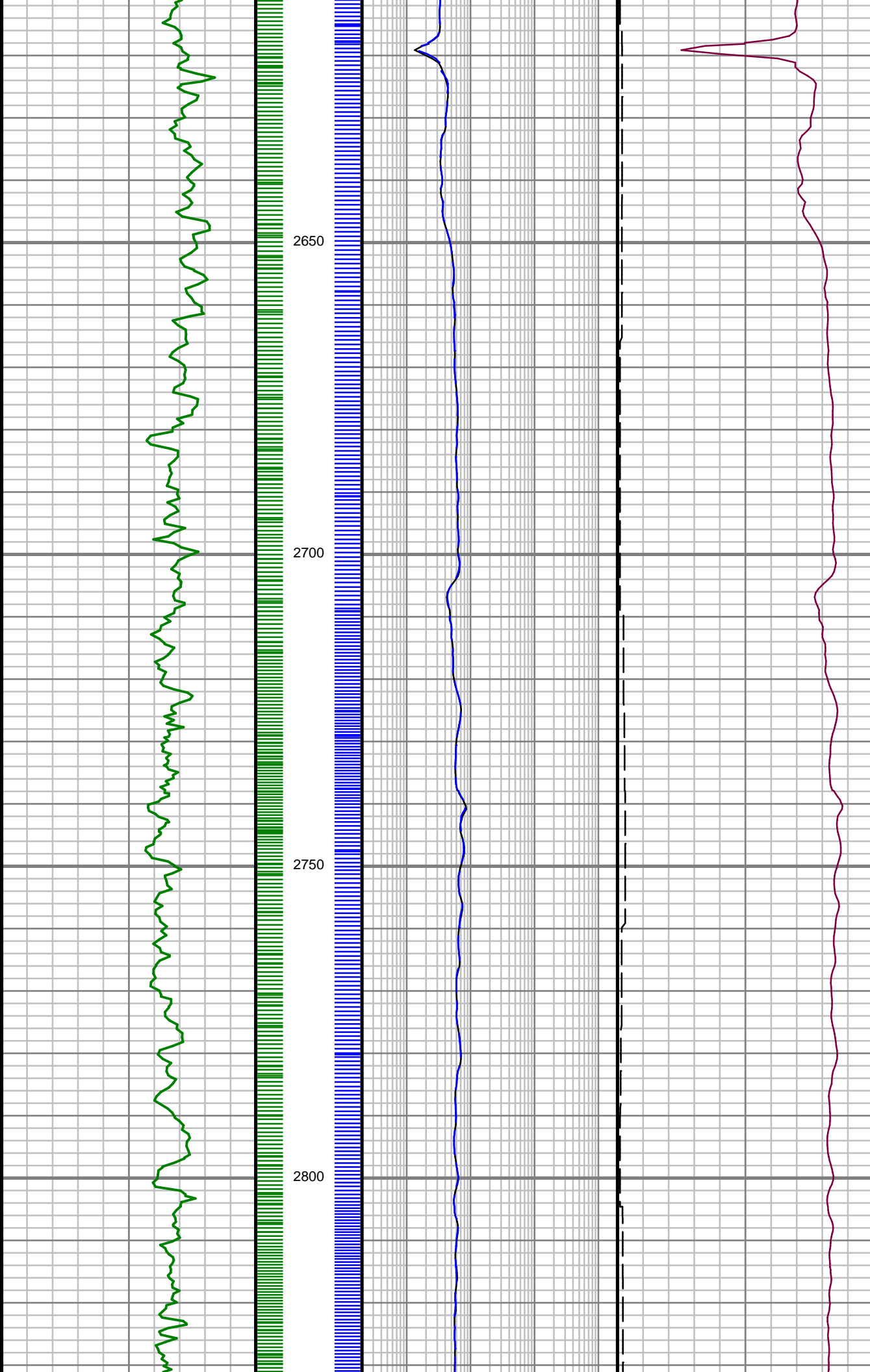
S: 24 MD: 2325.00 ft
Inc: 16.55 deg Az:
331.88 deg TVD:
2285.36 ft



S: 25 MD: 2417.00 ft
Inc: 17.95 deg Az:
335.10 deg TVD:
2373.22 ft

S: 26 MD: 2511.00 ft
Inc: 18.63 deg Az:
333.94 deg TVD:
2462.47 ft

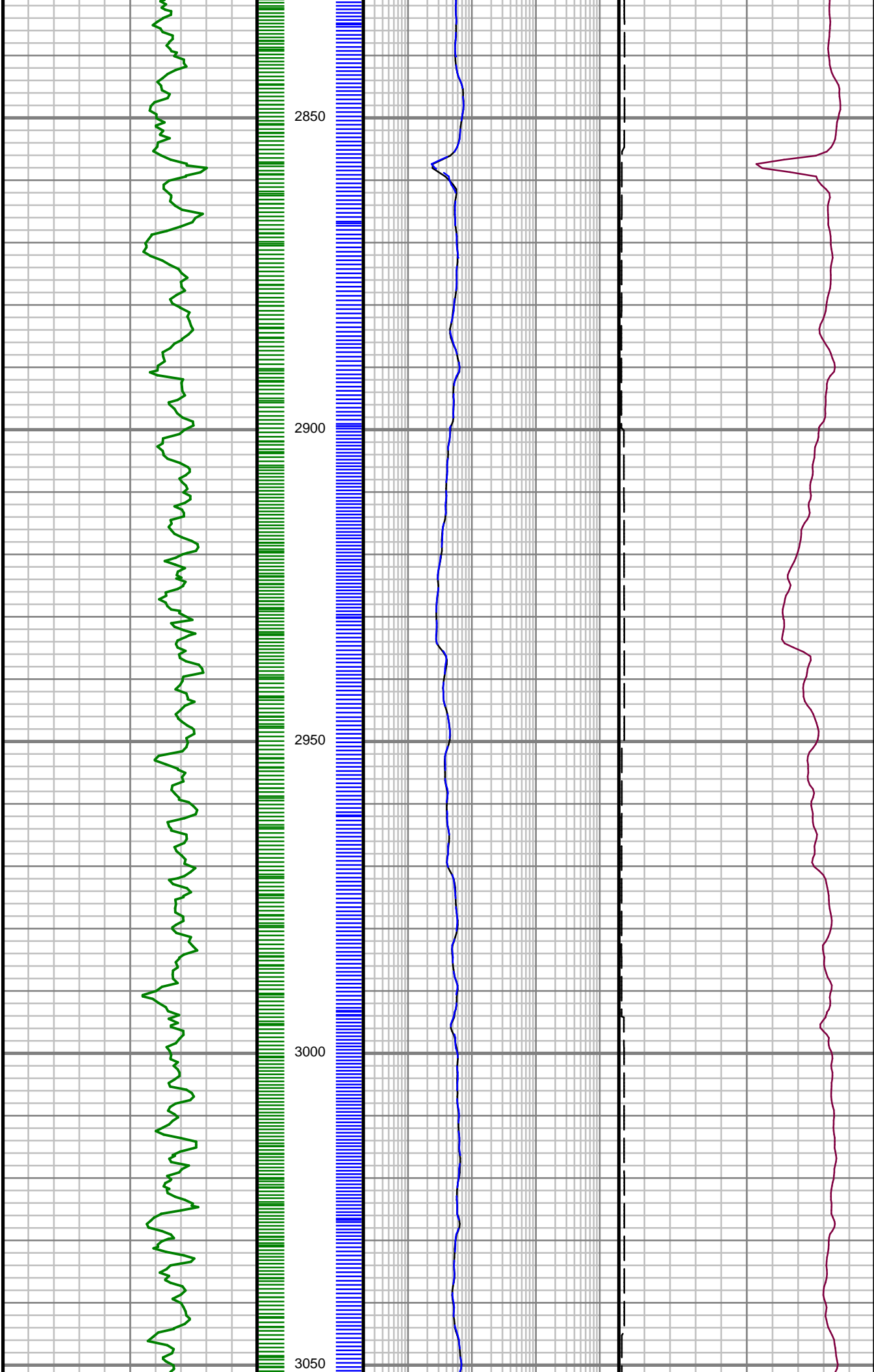
S: 27 MD: 2605.00 ft
Inc: 15.94 deg Az:
334.12 deg TVD:
2548.88 ft



334.13 deg TVD:
2552.22 ft

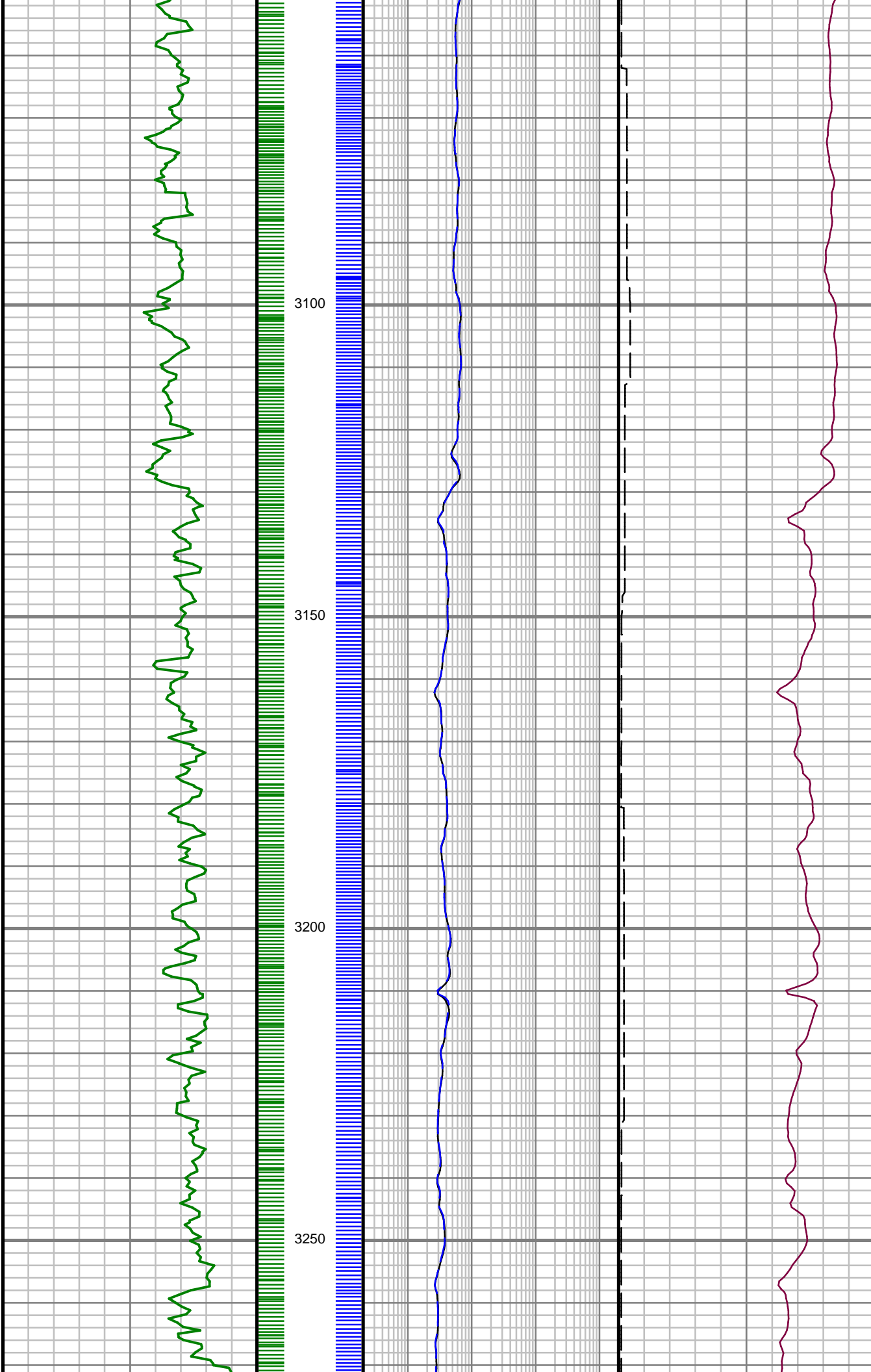
S: 28 MD: 2700.00 ft
Inc: 13.92 deg Az:
333.71 deg TVD:
2644.01 ft

S: 29 MD: 2795.00 ft
Inc: 14.69 deg Az:
335.27 deg TVD:
2736.06 ft



S: 30 MD: 2890.00 ft
Inc: 14.42 deg Az:
336.39 deg TVD:
2828.01 ft

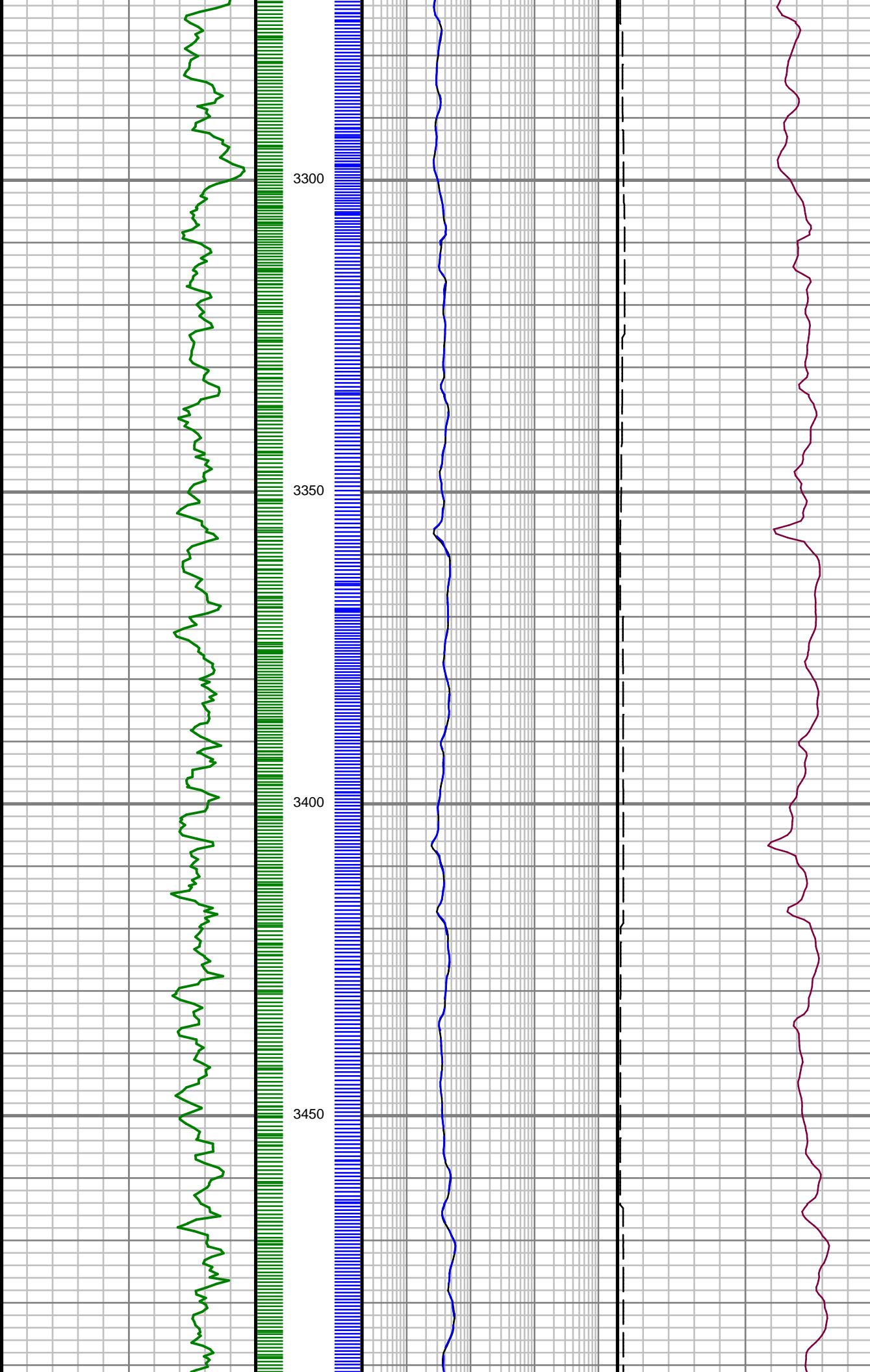
S: 31 MD: 2984.00 ft
Inc: 12.88 deg Az:
335.18 deg TVD:
2919.35 ft



S: 32 MD: 3078.00 ft
Inc: 12.08 deg Az:
335.33 deg TVD:
3011.13 ft

S: 33 MD: 3172.00 ft
Inc: 10.53 deg Az:
335.96 deg TVD:
3103.30 ft

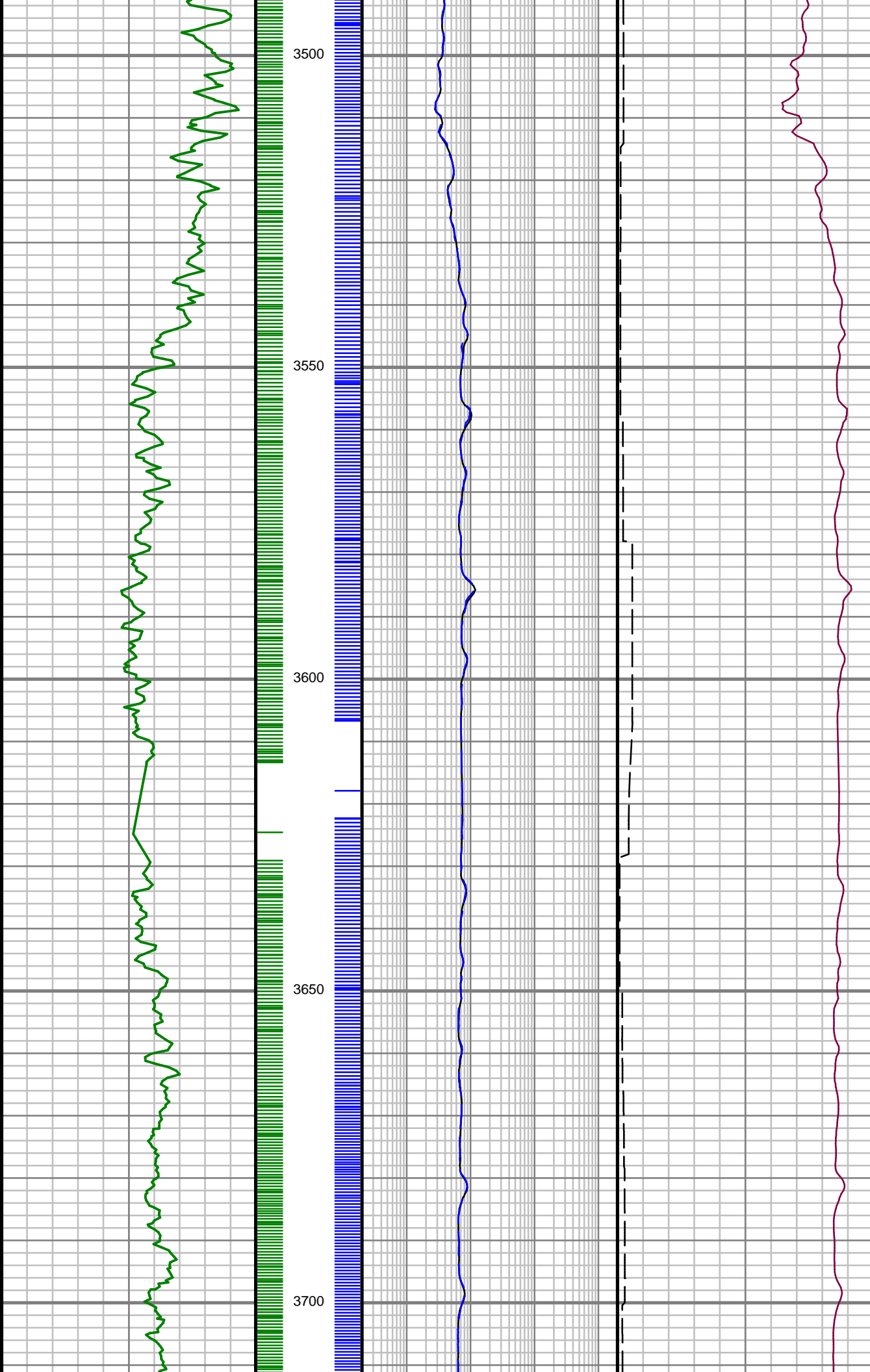
S: 34 MD: 3266.00 ft
Inc: 8.63 deg Az:



337.55 deg TVD:
3195.98 ft

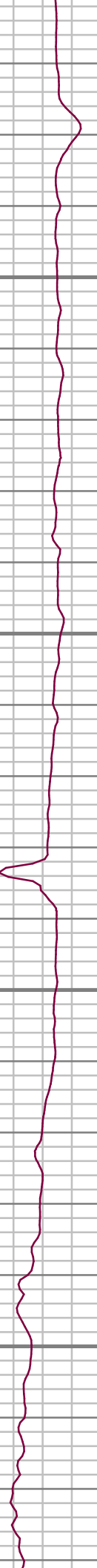
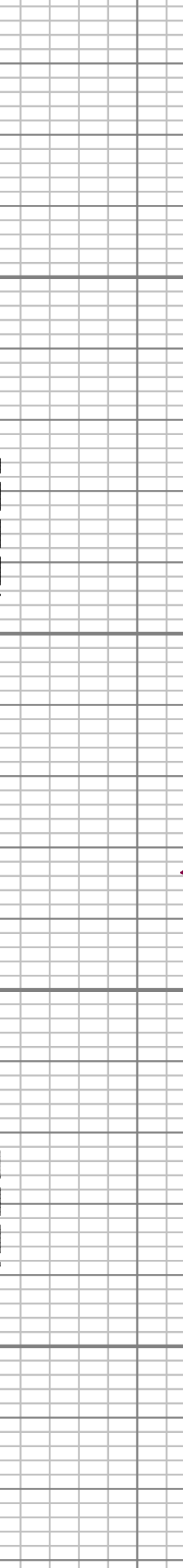
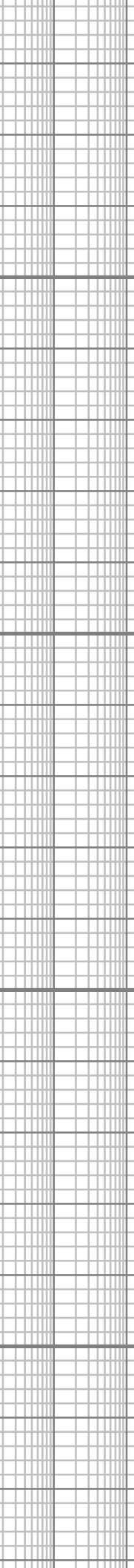
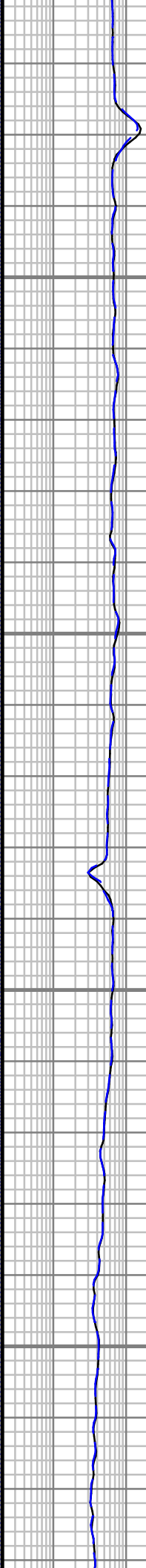
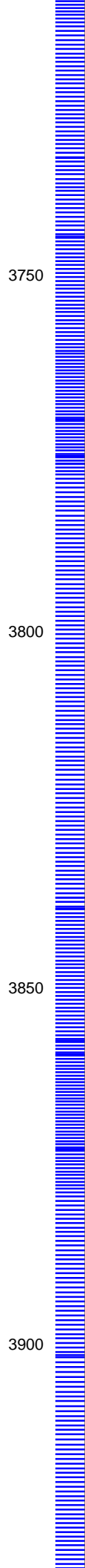
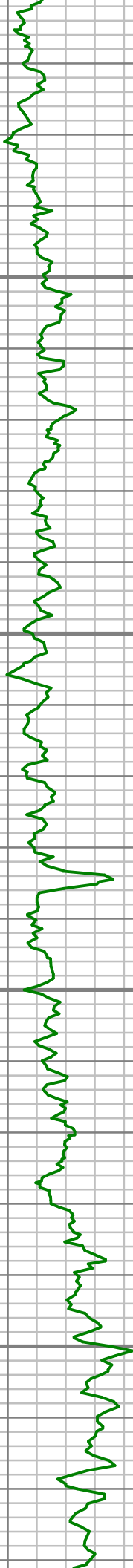
S: 35 MD: 3360.00 ft
Inc: 7.93 deg Az:
327.01 deg TVD:
3289.01 ft

S: 36 MD: 3454.00 ft
Inc: 6.76 deg Az:
320.48 deg TVD:
3382.24 ft



S: 37 MD: 3548.00 ft
Inc: 5.93 deg Az:
318.33 deg TVD:
3475.66 ft

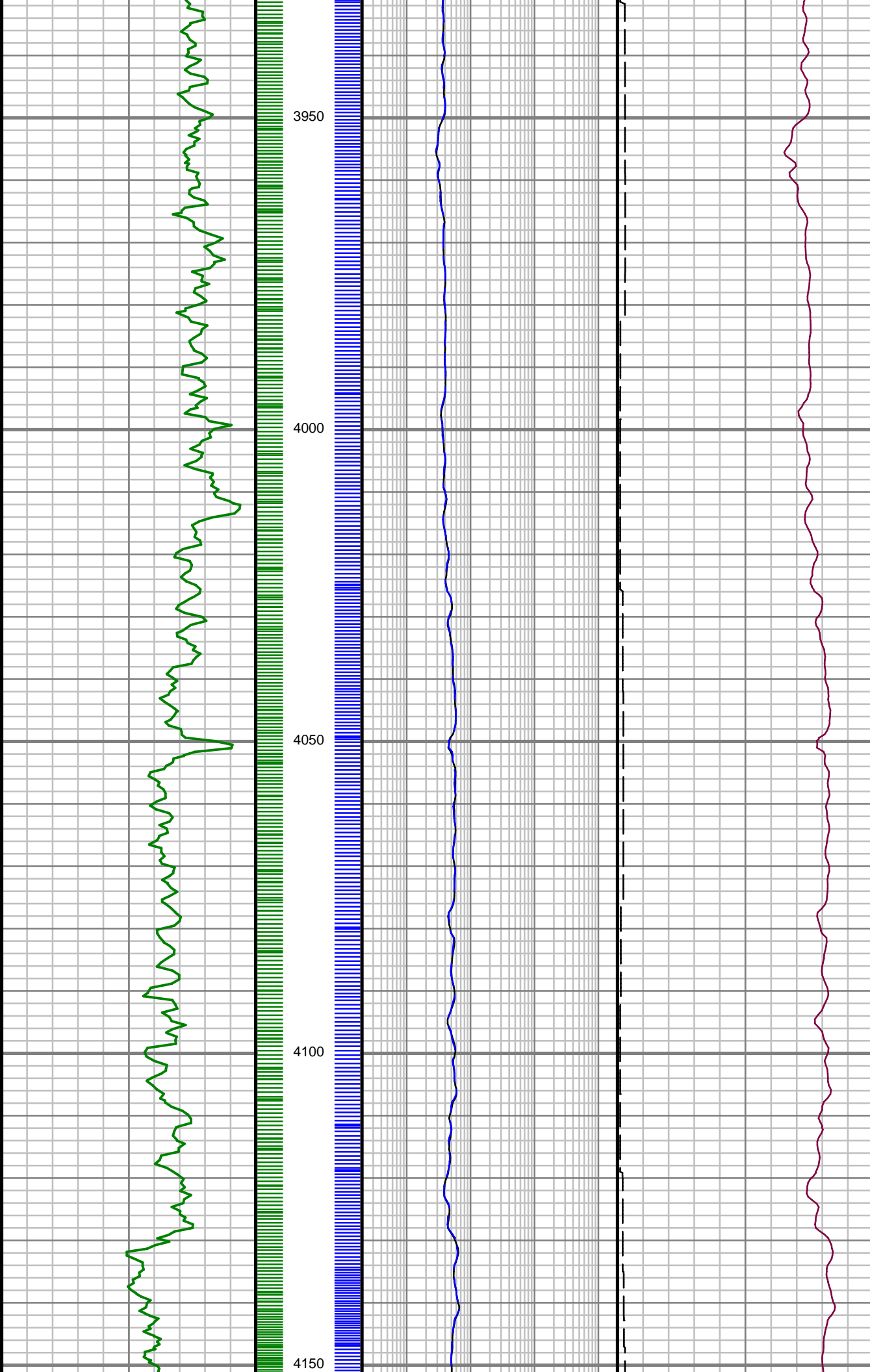
S: 38 MD: 3641.00 ft
Inc: 6.18 deg Az:
316.14 deg TVD:
3568.14 ft



S: 39 MD: 3735.00 ft
Inc: 5.62 deg Az:
324.94 deg TVD:
3661.65 ft

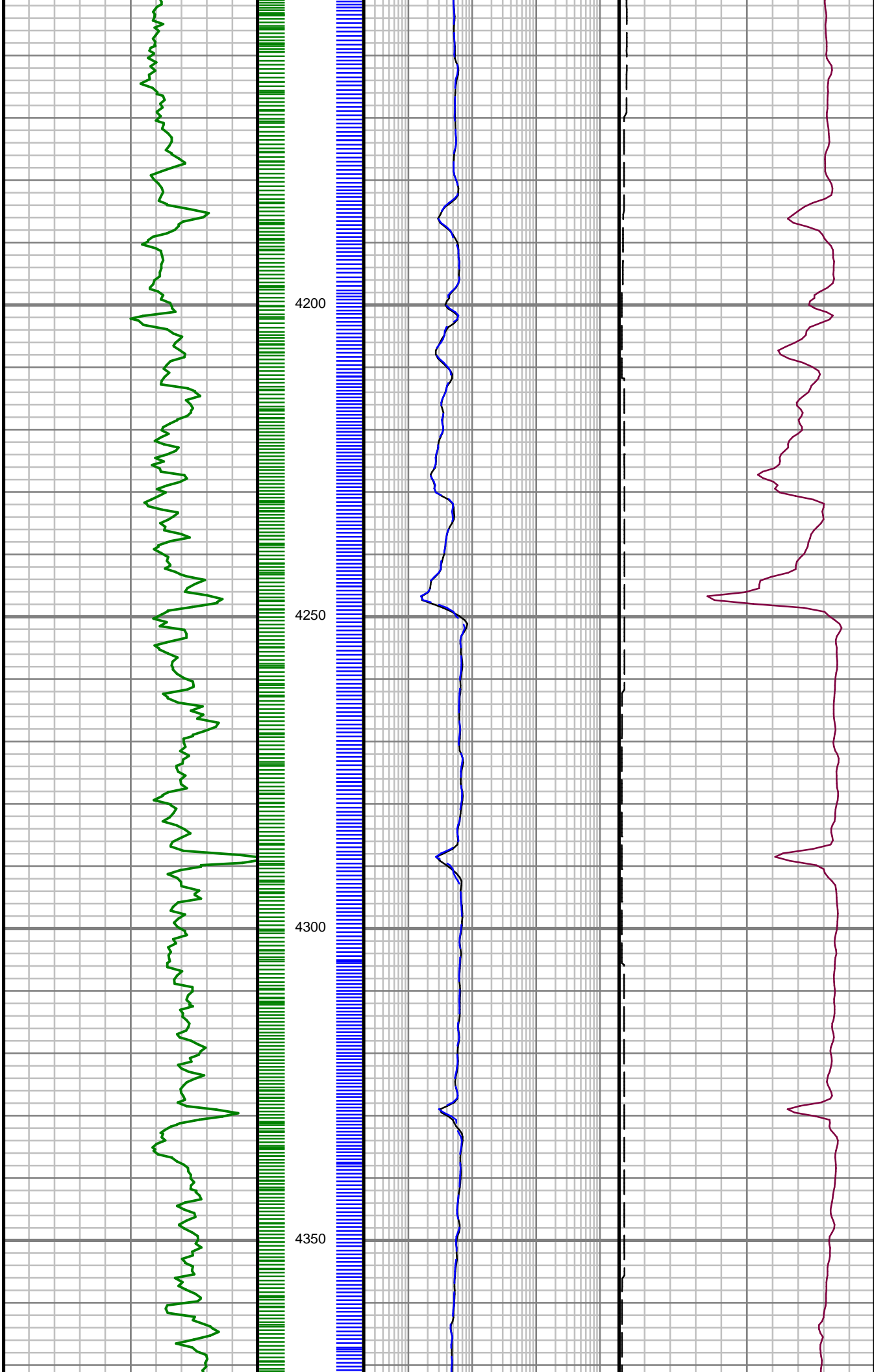
S: 40 MD: 3829.00 ft
Inc: 3.89 deg Az:
336.80 deg TVD:
3755.32 ft

S: 41 MD: 3922.00 ft
Inc: 1.85 deg Az:
326.41 deg TVD:
3848 20 ft



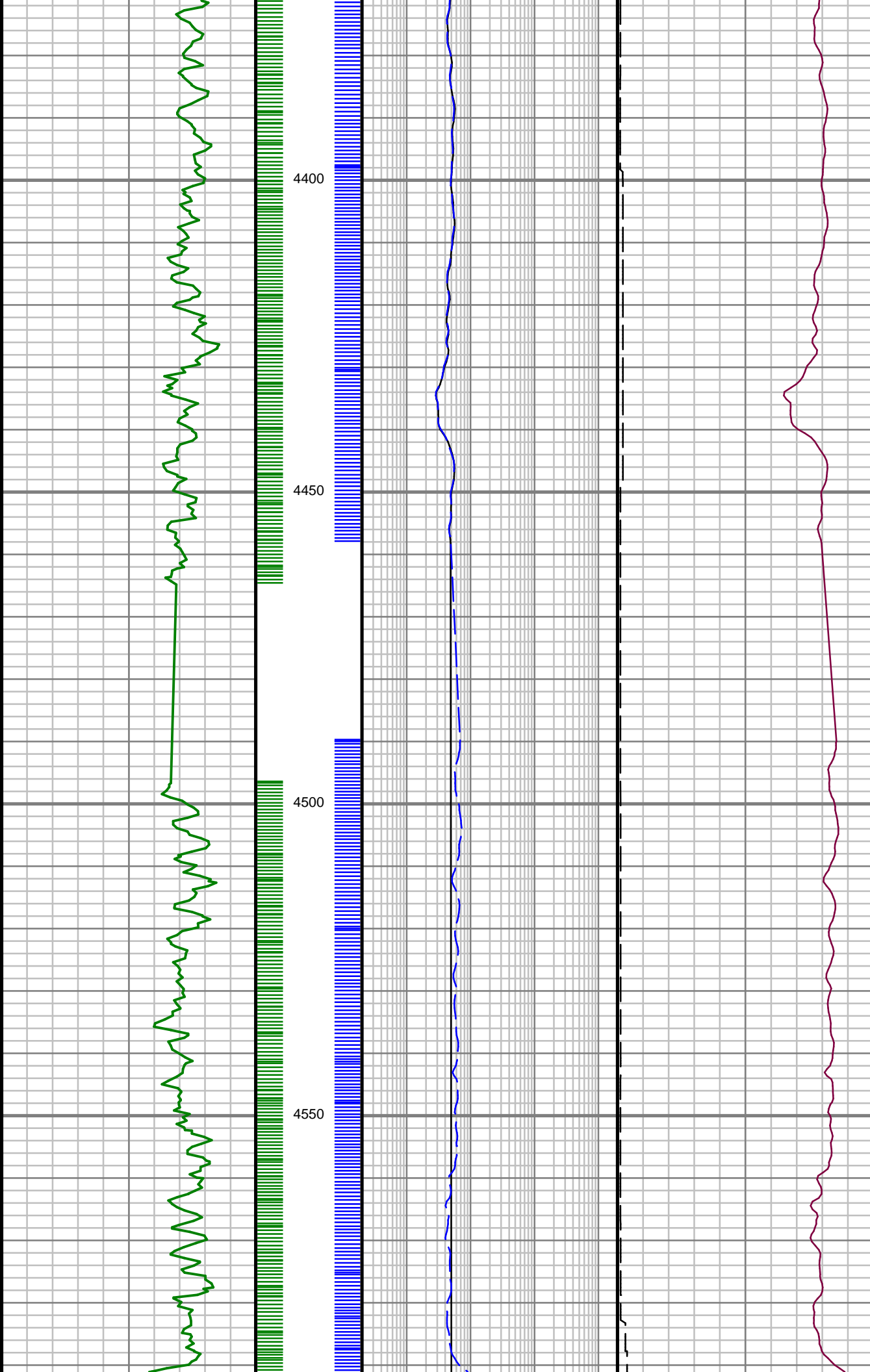
S: 42 MD: 4016.00 ft
Inc: 2.15 deg Az:
304.87 deg TVD:
3942.15 ft

S: 43 MD: 4109.00 ft
Inc: 2.20 deg Az:
307.57 deg TVD:
4035.08 ft



S: 44 MD: 4201.00 ft
Inc: 1.03 deg Az:
315.90 deg TVD:
4127.04 ft

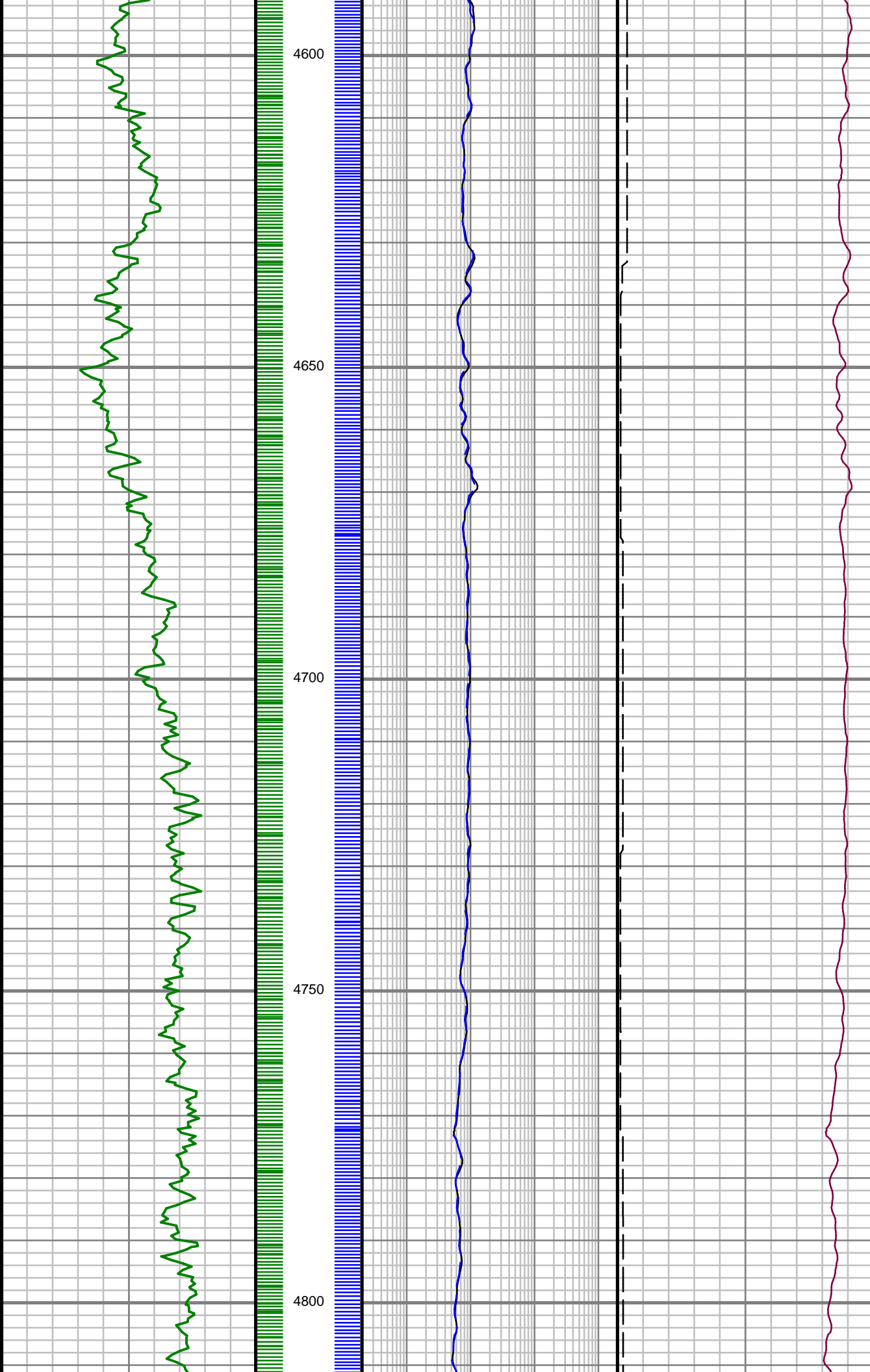
S: 45 MD: 4295.00 ft
Inc: 0.66 deg Az:
307.70 deg TVD:
4221.03 ft



S: 46 MD: 4387.00 ft
Inc: 0.56 deg Az:
267.87 deg TVD:
4313.02 ft

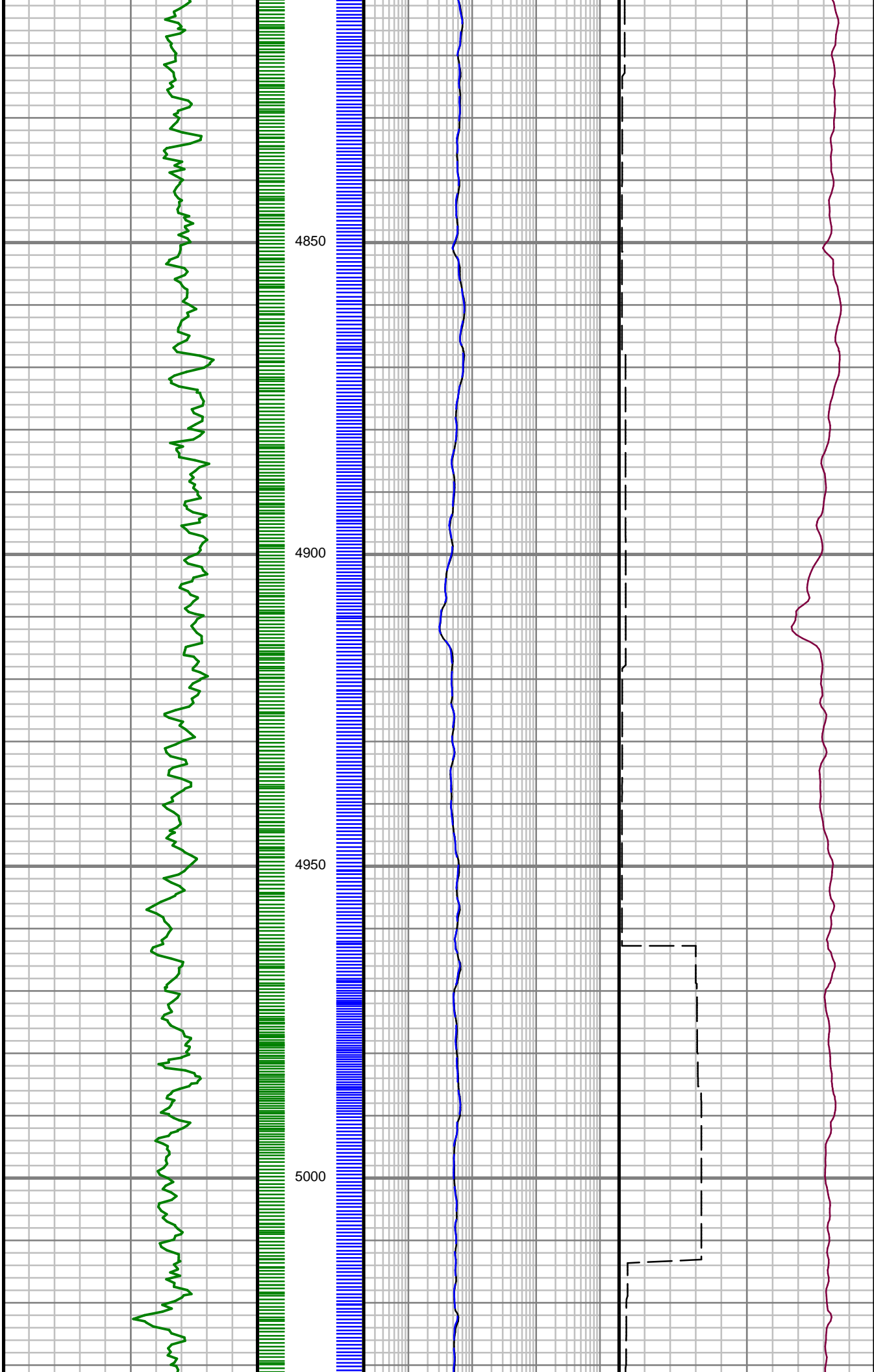
S: 47 MD: 4480.00 ft
Inc: 0.81 deg Az:
212.00 deg TVD:
4406.02 ft

S: 48 MD: 4573.00 ft
Inc: 1.15 deg Az:
189.88 deg TVD:
4499.01 ft



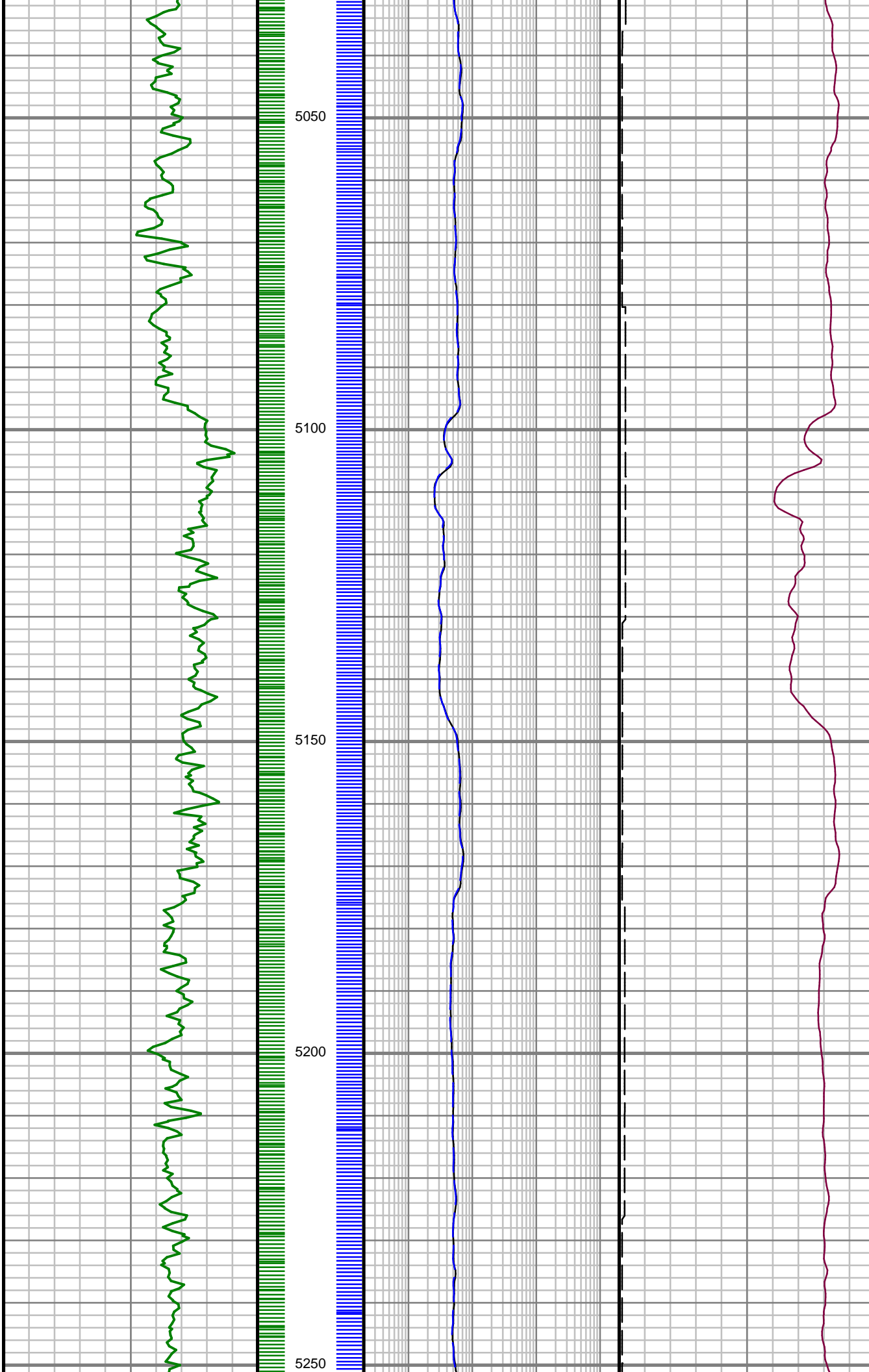
S: 49 MD: 4668.00 ft
Inc: 1.21 deg Az:
195.60 deg TVD:
4593.99 ft

S: 50 MD: 4763.00 ft
Inc: 1.08 deg Az:
200.01 deg TVD:
4688.97 ft



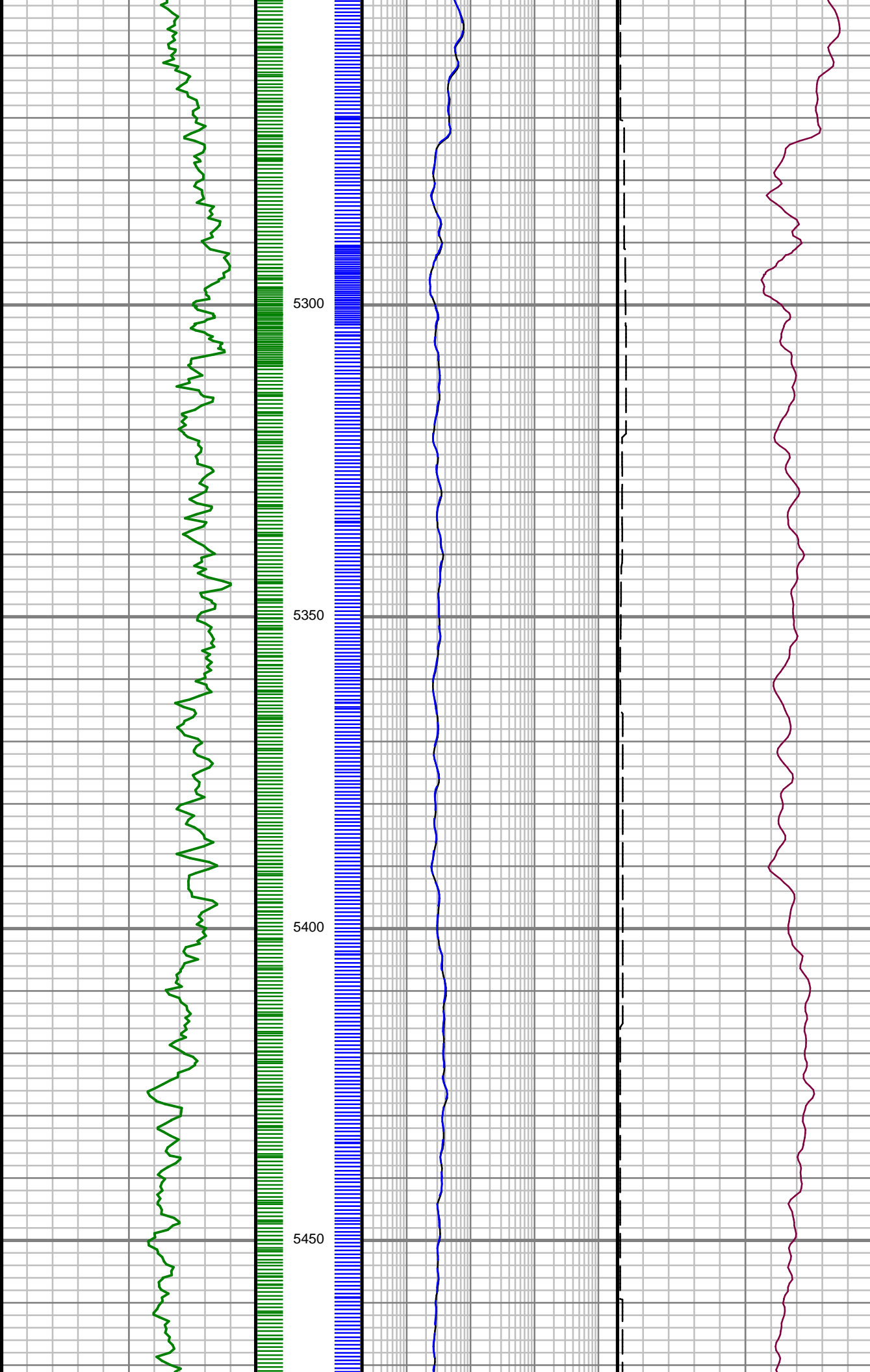
S: 51 MD: 4857.00 ft
Inc: 1.04 deg Az:
213.75 deg TVD:
4782.95 ft

S: 52 MD: 4976.00 ft
Inc: 0.93 deg Az:
209.76 deg TVD:
4901.93 ft



S: 53 MD: 5070.00 ft
Inc: 0.91 deg Az:
226.34 deg TVD:
4995.92 ft

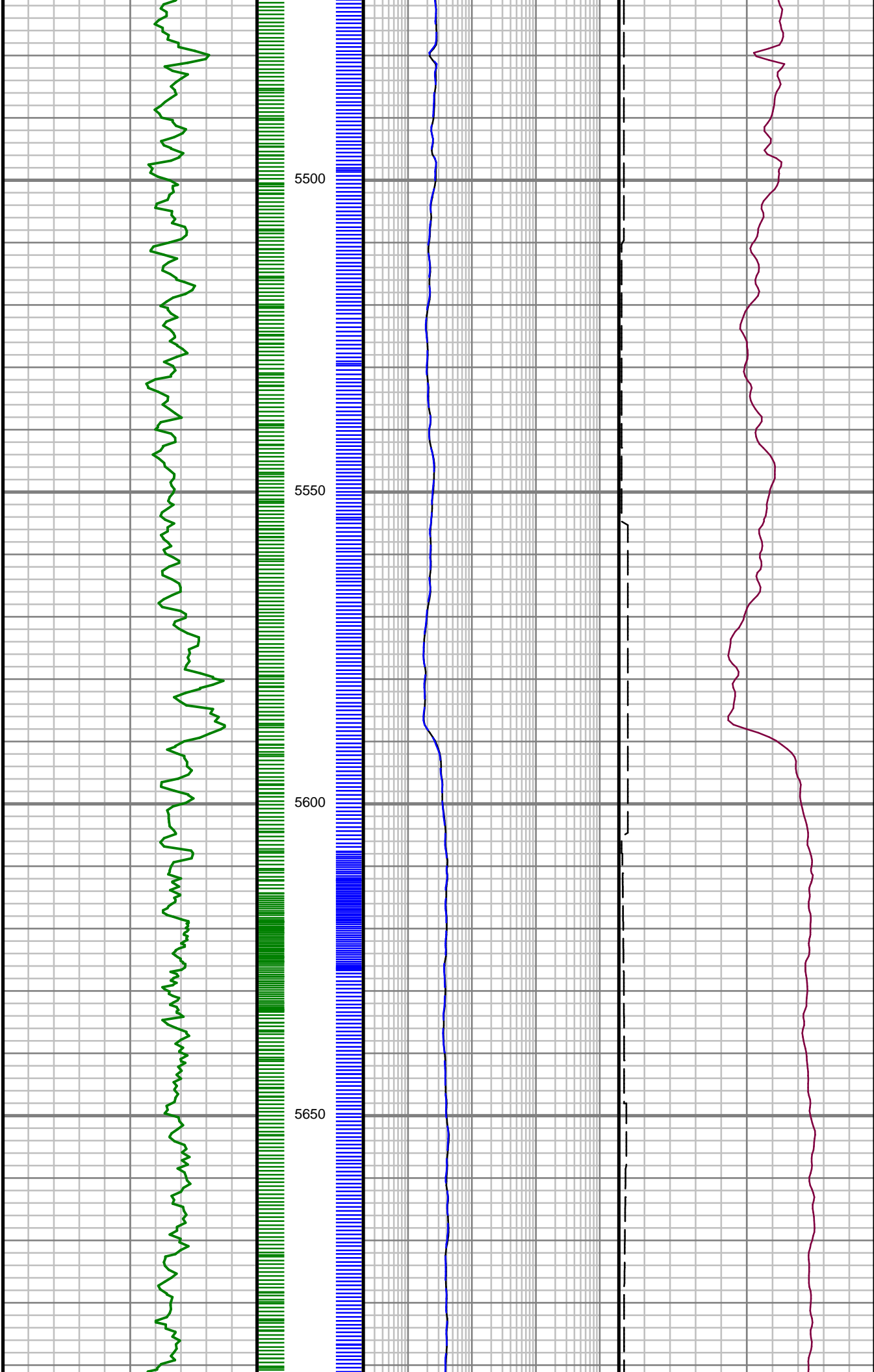
S: 54 MD: 5166.00 ft
Inc: 0.83 deg Az:
227.15 deg TVD:
5091.91 ft



S: 55 MD: 5260.00 ft
Inc: 0.85 deg Az:
235.40 deg TVD:
5185.90 ft

S: 56 MD: 5354.00 ft
Inc: 1.23 deg Az:
273.50 deg TVD:
5279.89 ft

S: 57 MD: 5448.00 ft
Inc: 1.39 deg Az:
282.47 deg TVD:
5373.86 ft

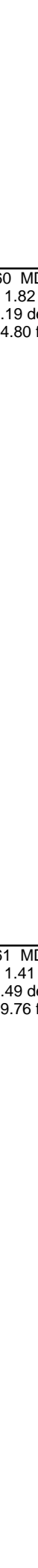


S: 58 MD: 5543.00 ft
Inc: 1.12 deg Az:
274.69 deg TVD:
5468.84 ft

S: 59 MD: 5636.00 ft
Inc: 1.20 deg Az:
261.28 deg TVD:
5561.82 ft

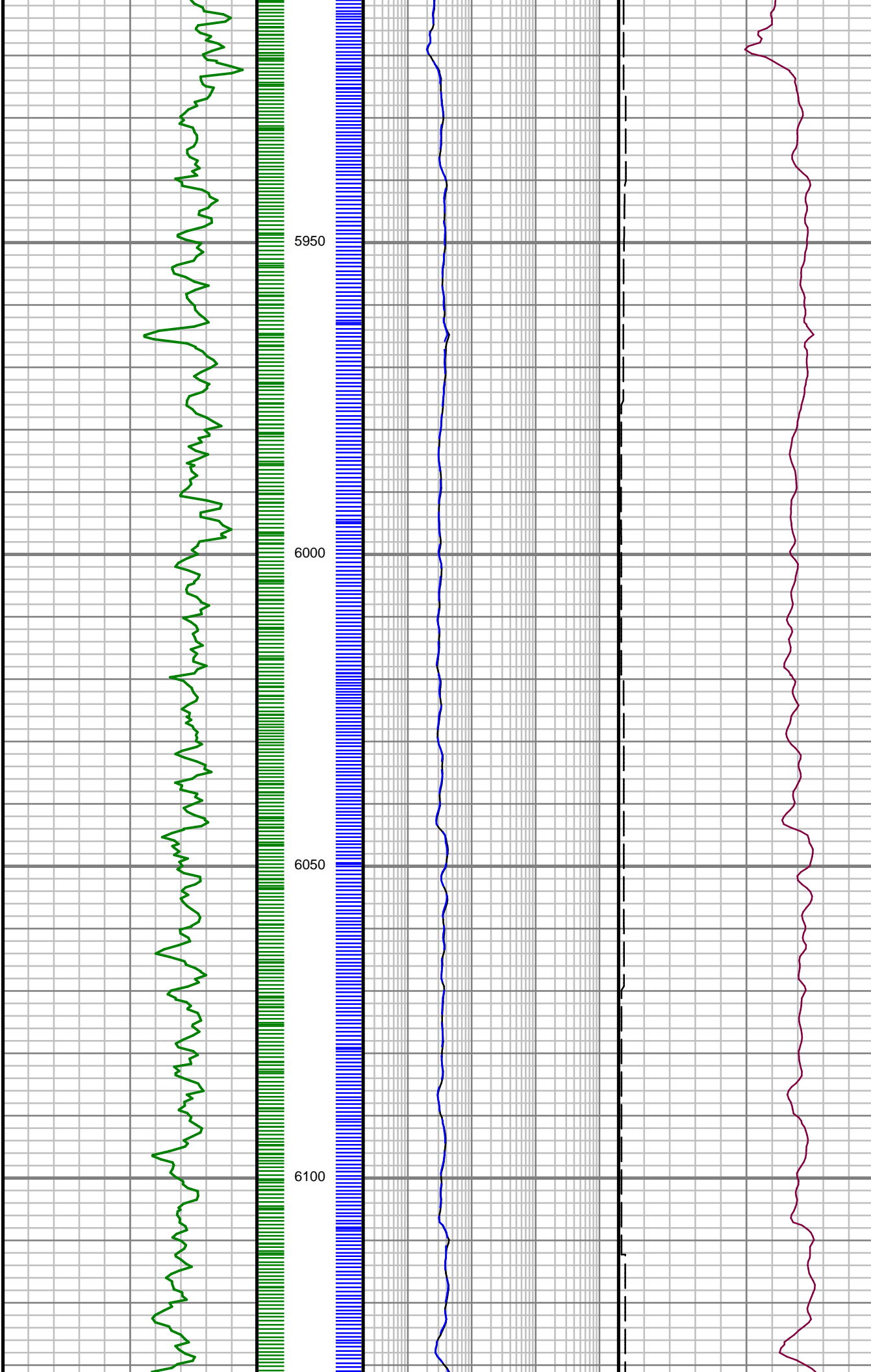


5700
5750
5800
5850
5900



S: 60 MD: 5729.00 ft
Inc: 1.82 deg Az:
344.19 deg TVD:
5654.80 ft

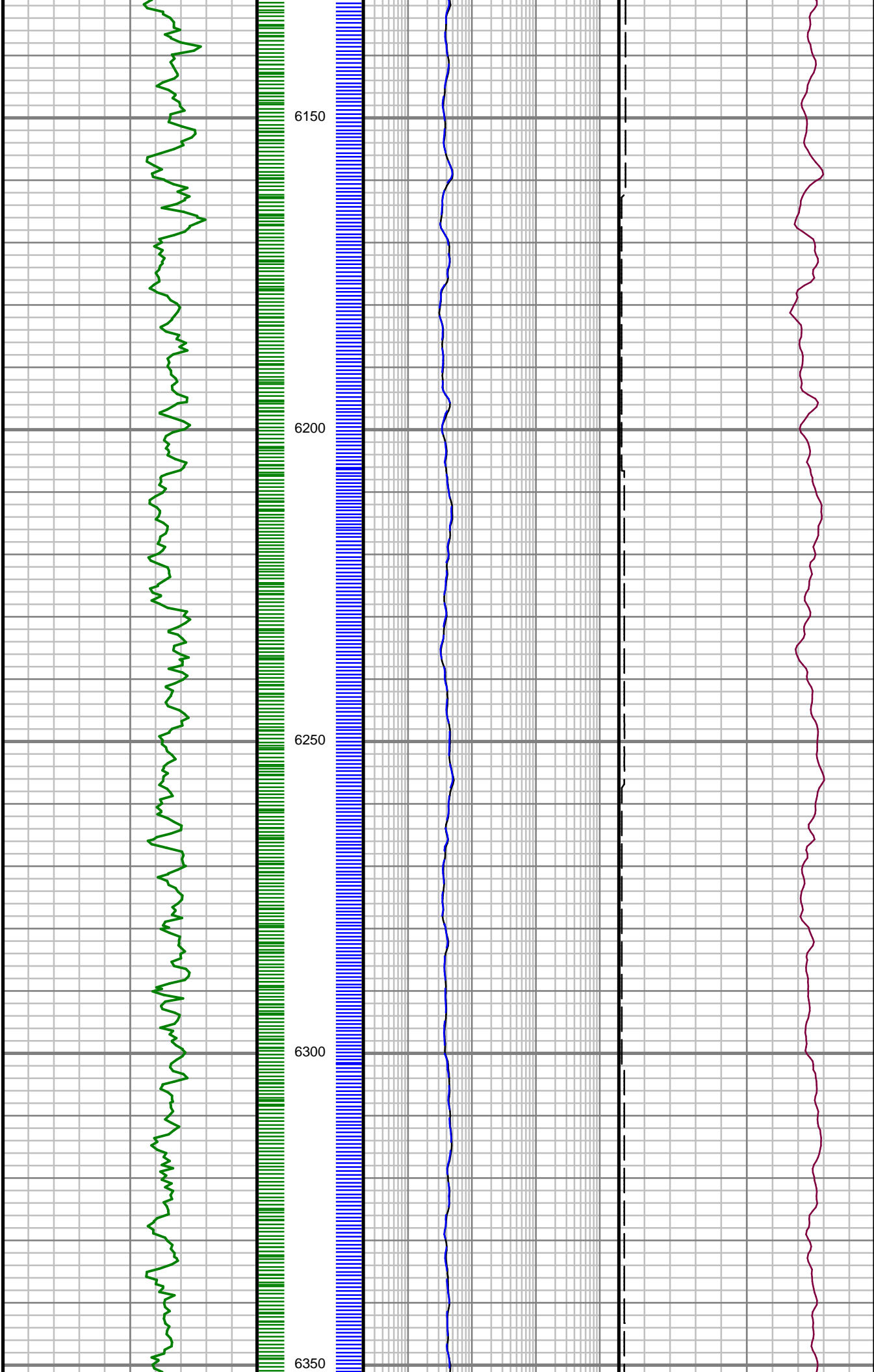
S: 61 MD: 5824.00 ft
Inc: 1.41 deg Az:
341.49 deg TVD:
5749.76 ft



S: 62 MD: 5916.00 ft
Inc: 1.08 deg Az:
339.15 deg TVD:
5841.74 ft

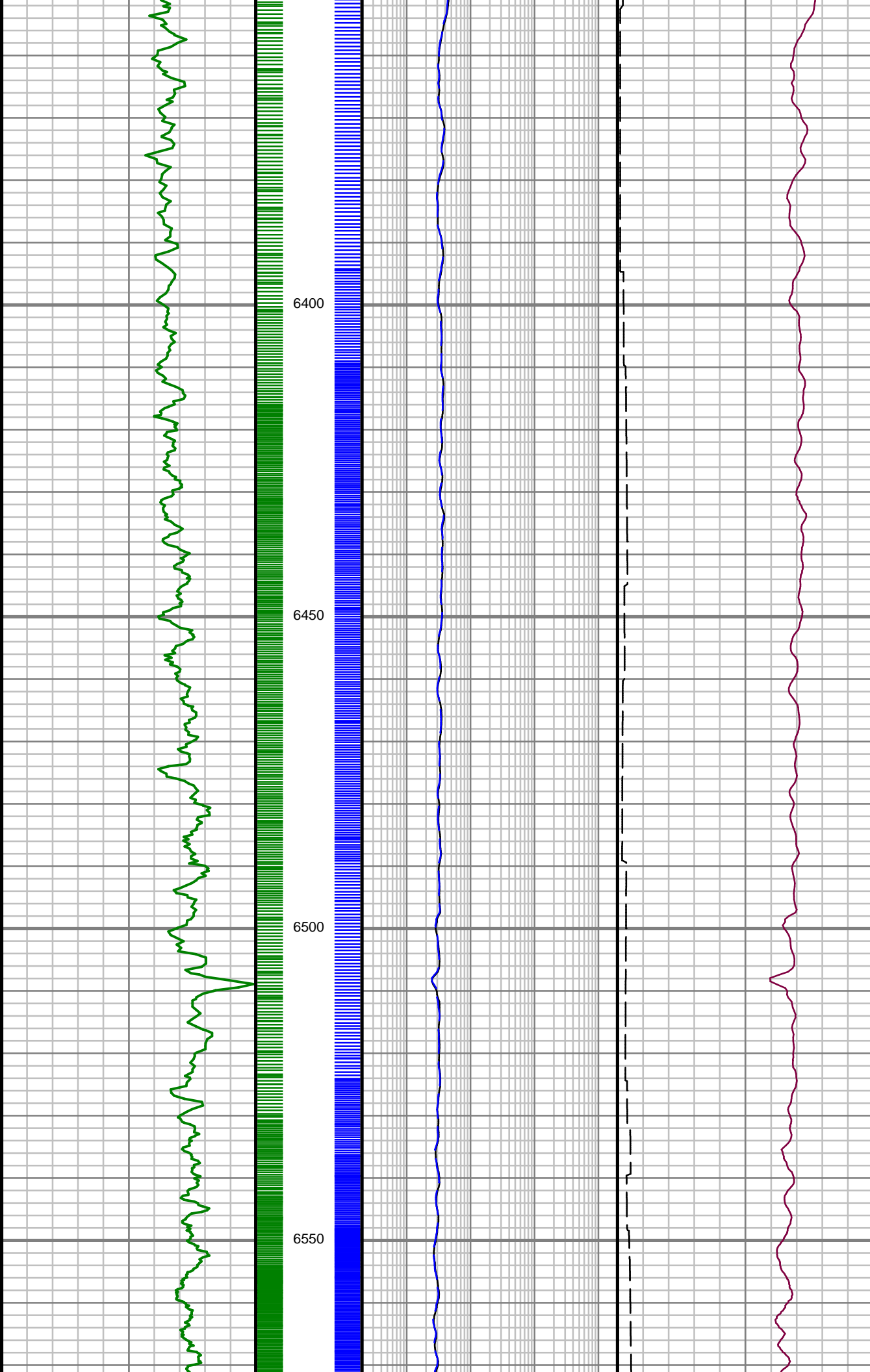
S: 63 MD: 6010.00 ft
Inc: 1.37 deg Az: 69.09
deg TVD: 5935.72 ft

S: 64 MD: 6103.00 ft
Inc: 0.92 deg Az: 64.82
deg TVD: 6028.70 ft



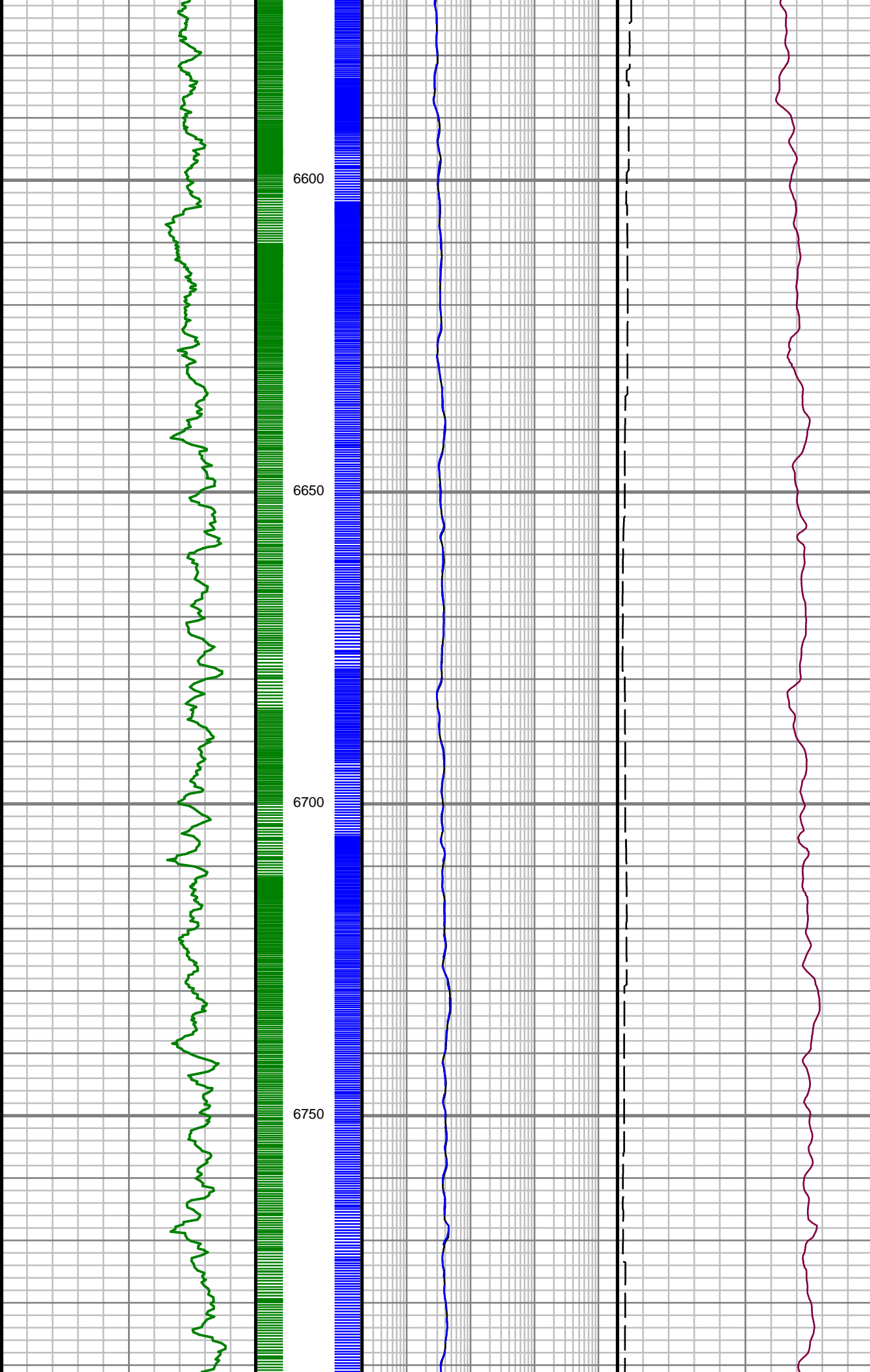
S: 65 MD: 6196.00 ft
Inc: 0.75 deg Az: 58.72
deg TVD: 6121.69 ft

S: 66 MD: 6290.00 ft
Inc: 0.67 deg Az: 52.62
deg TVD: 6215.68 ft



S: 67 MD: 6383.00 ft
Inc: 0.69 deg Az: 67.21
deg TVD: 6308.68 ft

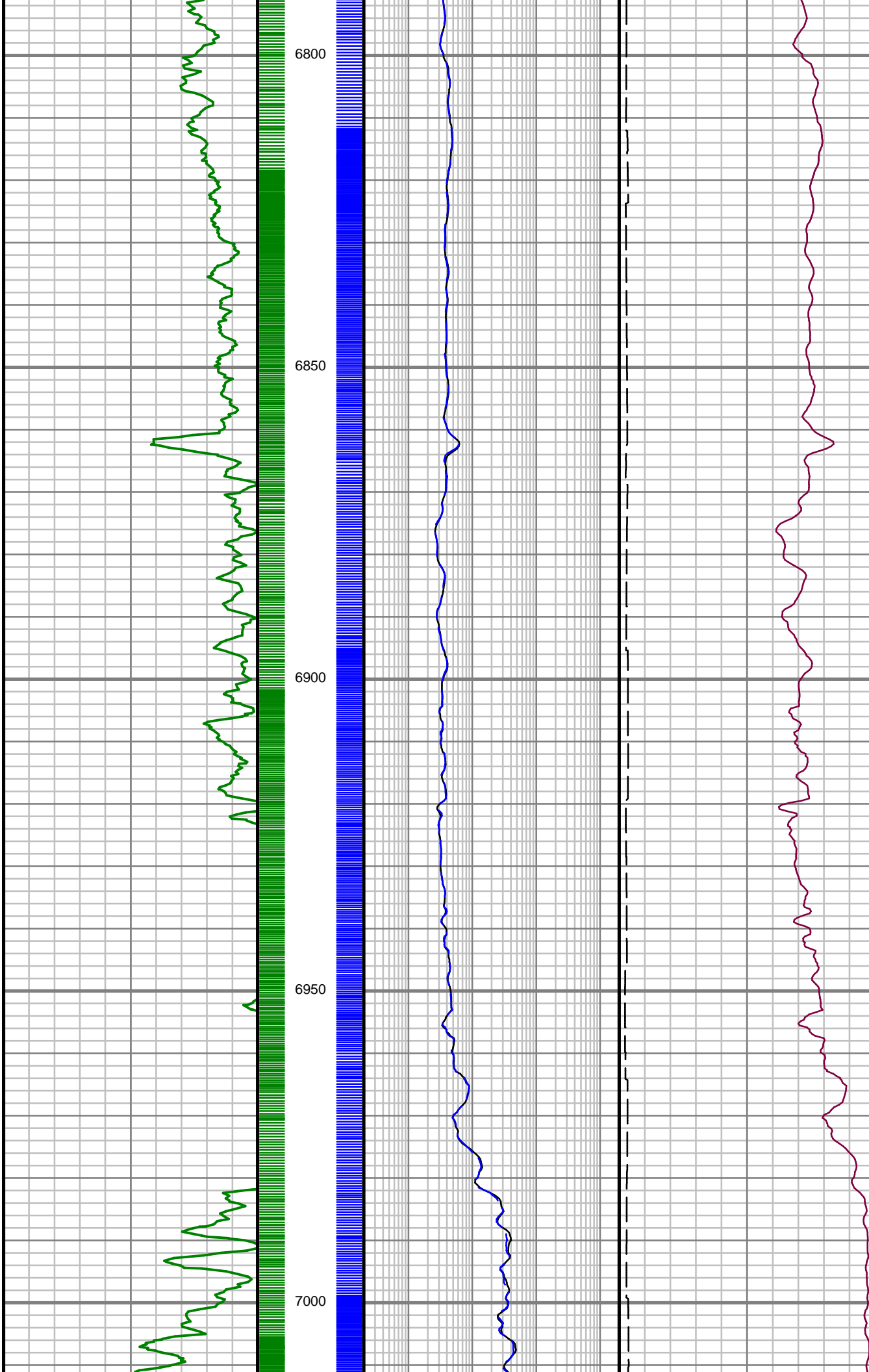
S: 68 MD: 6477.00 ft
Inc: 2.95 deg Az:
265.02 deg TVD:
6402.64 ft



S: 69 MD: 6571.00 ft
Inc: 13.46 deg Az:
273.94 deg TVD:
6495.55 ft

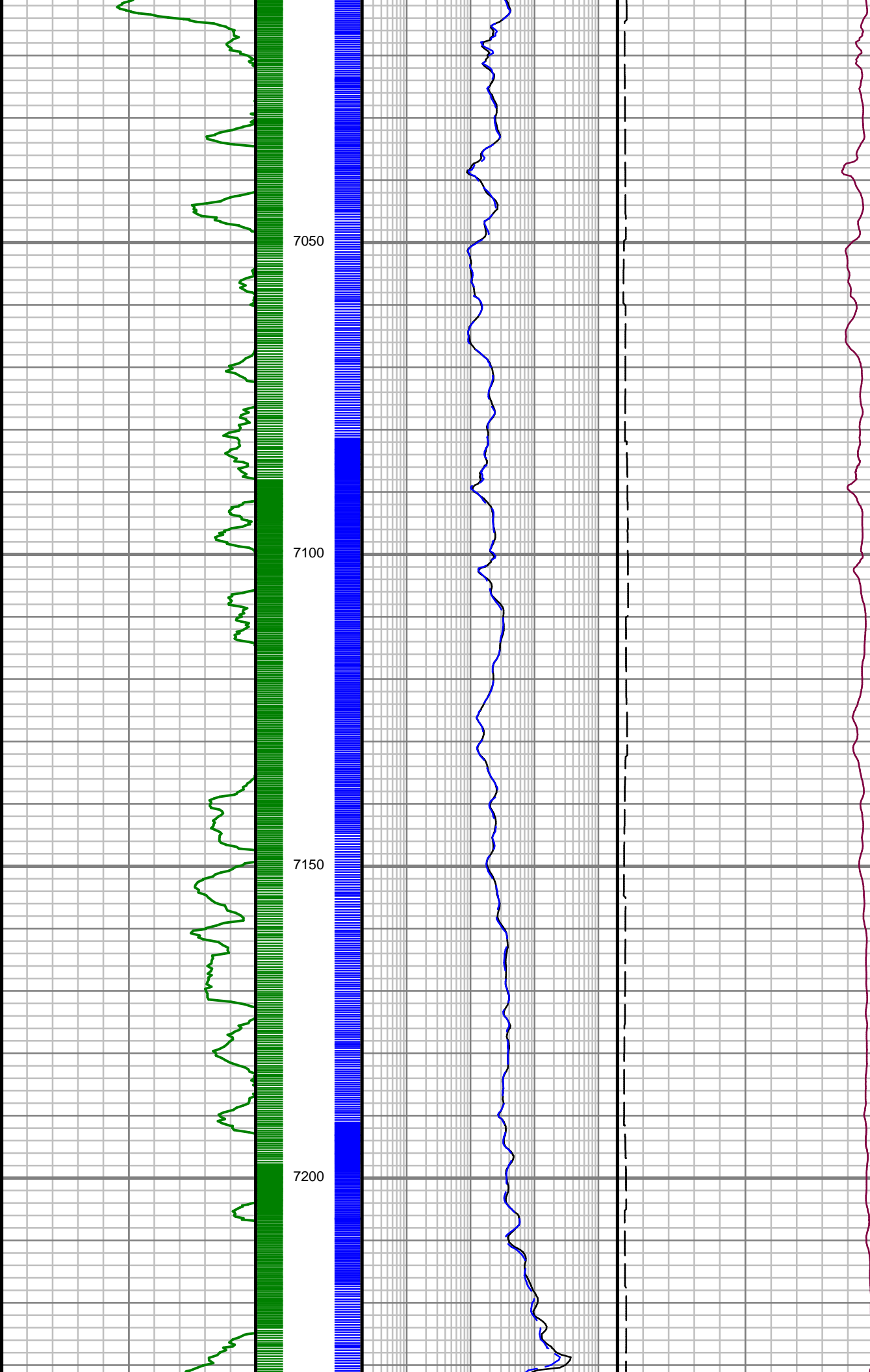
S: 70 MD: 6666.00 ft
Inc: 18.53 deg Az:
271.64 deg TVD:
6586.85 ft

S: 71 MD: 6760.00 ft
Inc: 27.62 deg Az:
268.74 deg TVD:
6673.24 ft



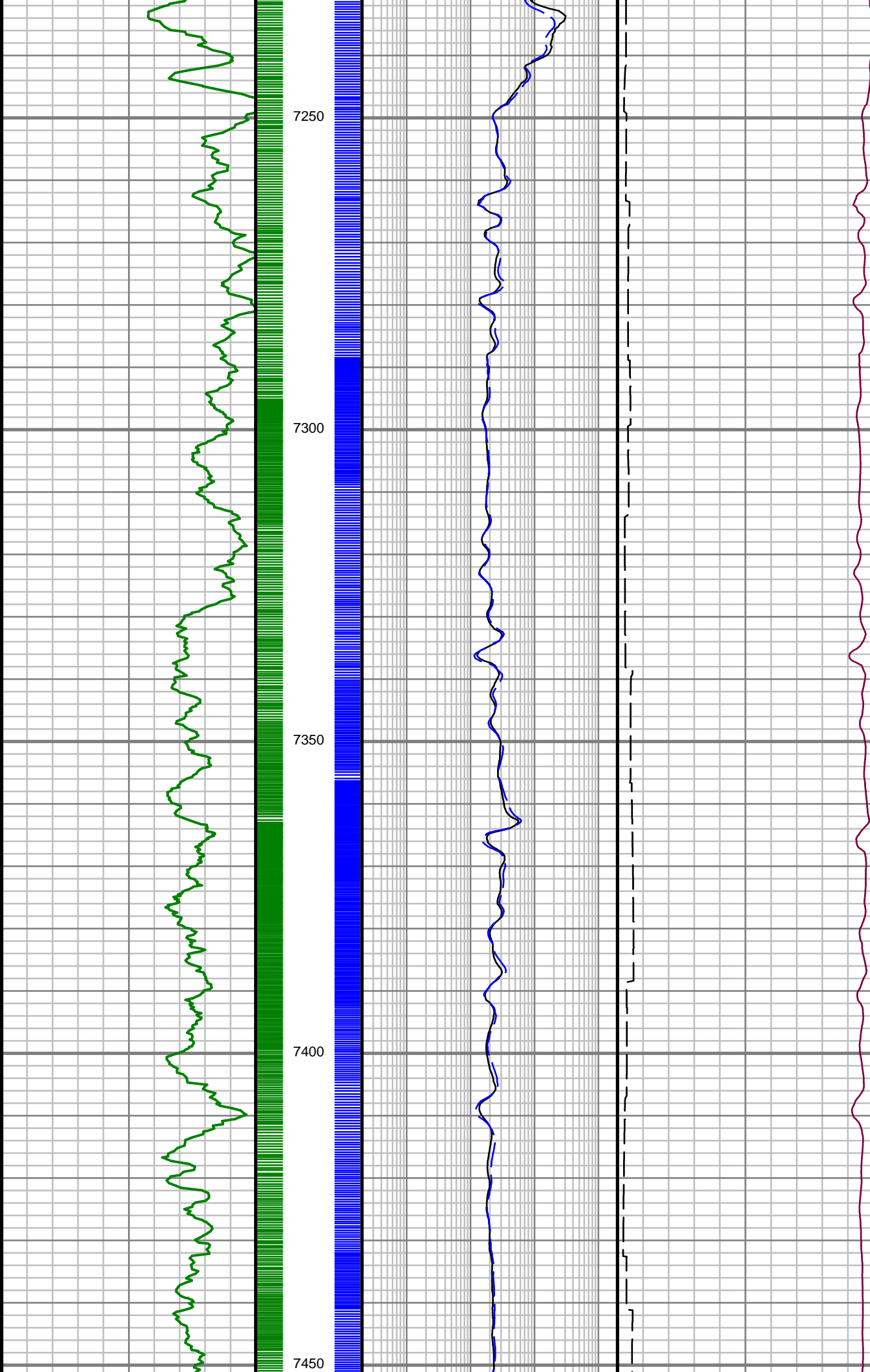
S: 72 MD: 6855.00 ft
Inc: 34.90 deg Az:
269.42 deg TVD:
6754.39 ft

S: 73 MD: 6950.00 ft
Inc: 42.32 deg Az:
272.07 deg TVD:
6828.57 ft



S: 74 MD: 7045.00 ft
Inc: 52.79 deg Az:
269.31 deg TVD:
6892.60 ft

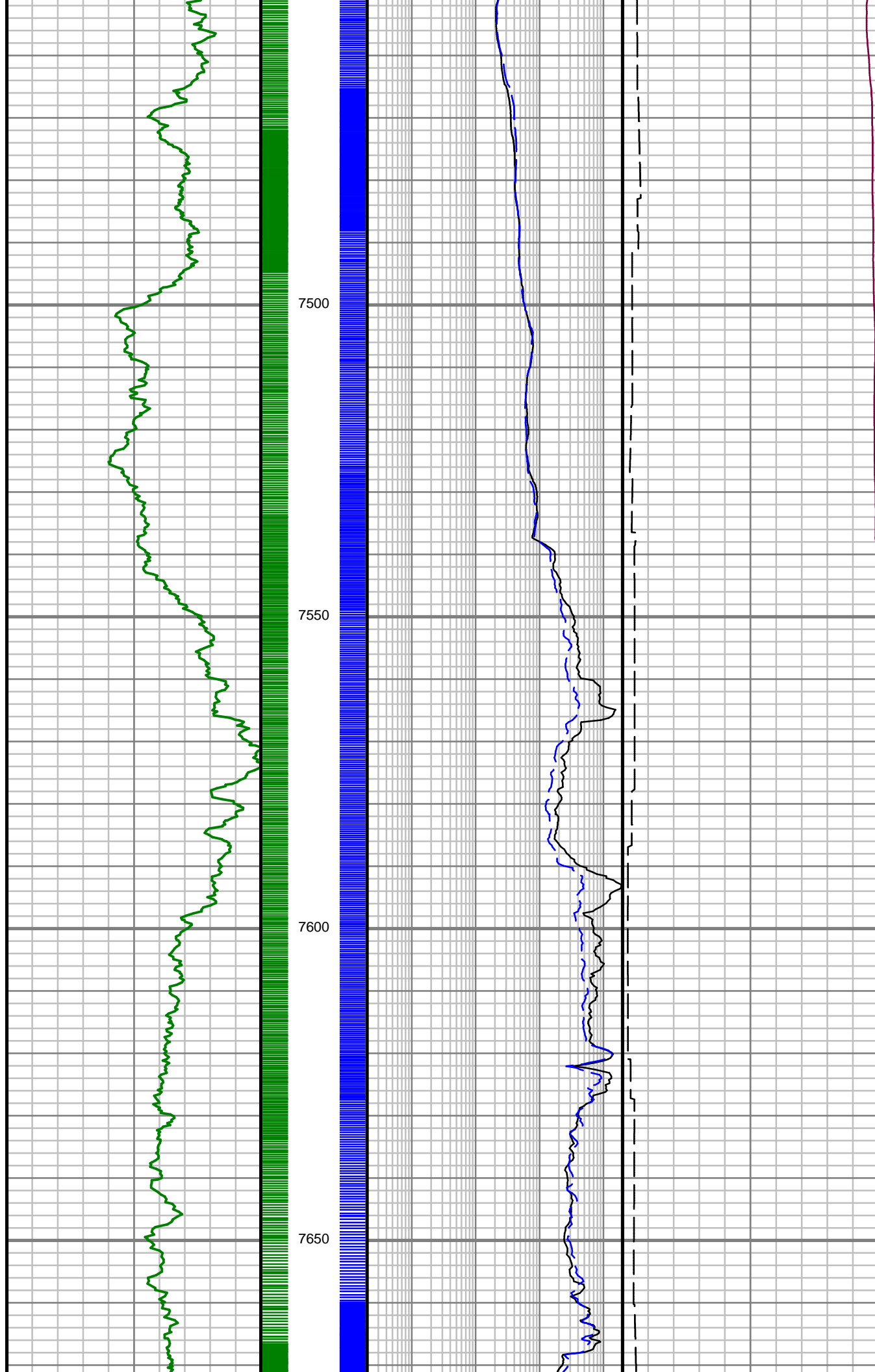
S: 75 MD: 7140.00 ft
Inc: 62.35 deg Az:
273.60 deg TVD:
6943.51 ft



S: 76 MD: 7234.00 ft
Inc: 68.93 deg Az:
273.59 deg TVD:
6982.26 ft

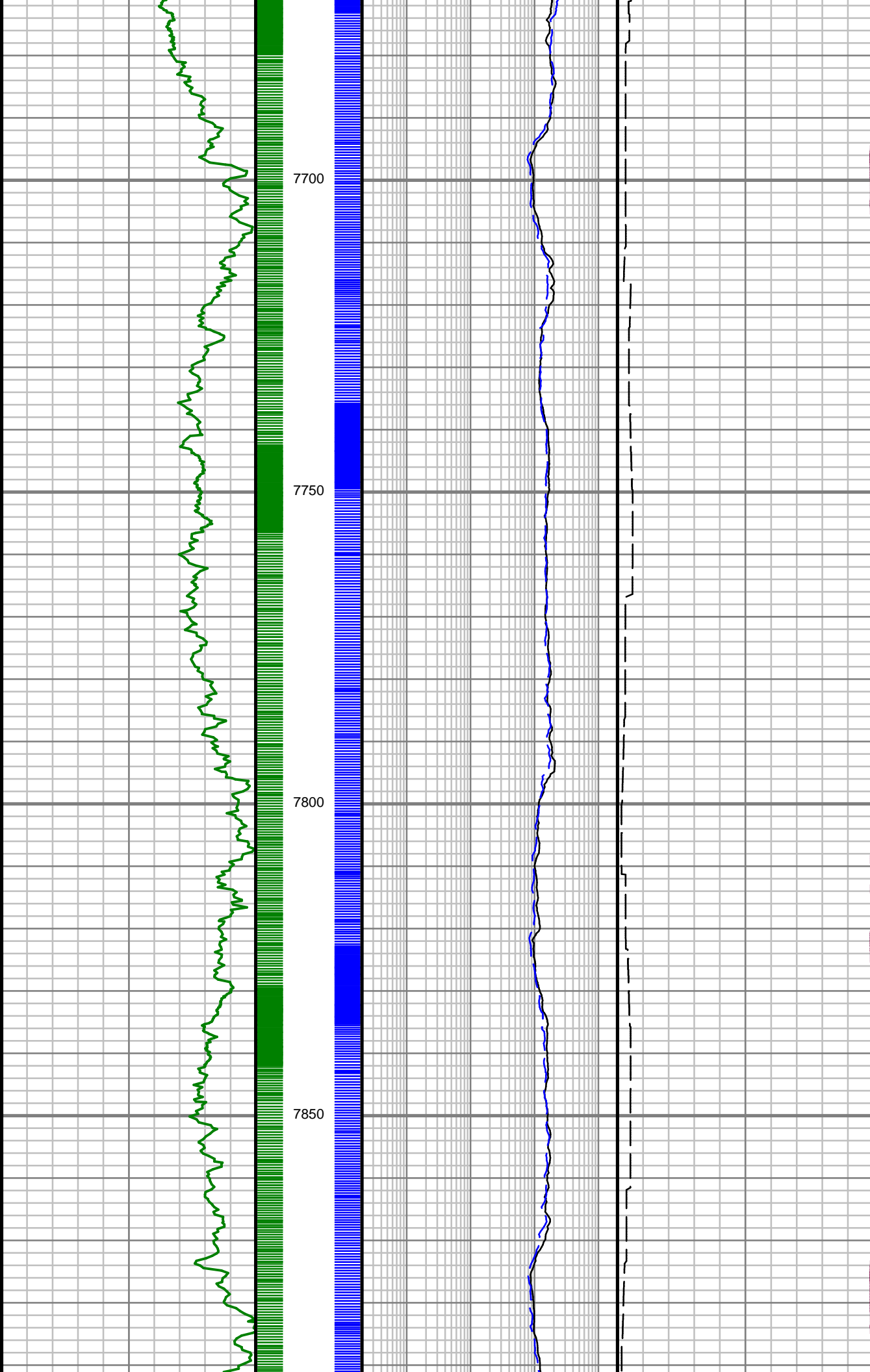
S: 77 MD: 7329.00 ft
Inc: 72.77 deg Az:
273.31 deg TVD:
7013.43 ft

S: 78 MD: 7423.00 ft
Inc: 79.36 deg Az:
273.28 deg TVD:
7036.05 ft



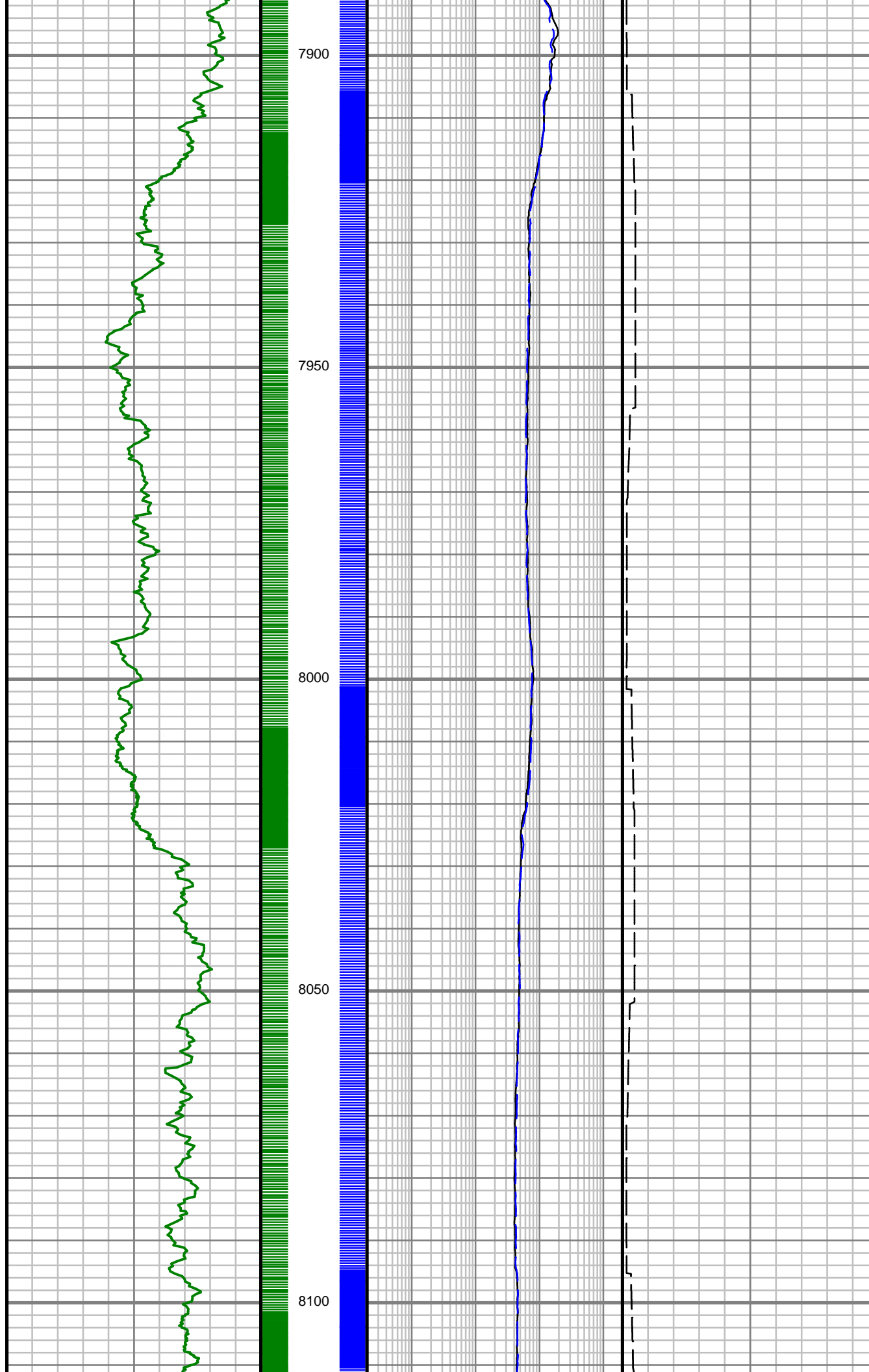
S: 79 MD: 7517.00 ft
Inc: 84.86 deg Az:
272.15 deg TVD:
7048.95 ft

S: 80 MD: 7611.00 ft
Inc: 89.06 deg Az:
270.68 deg TVD:
7053.94 ft



S: 81 MD: 7706.00 ft
Inc: 91.85 deg Az:
270.23 deg TVD:
7053.18 ft

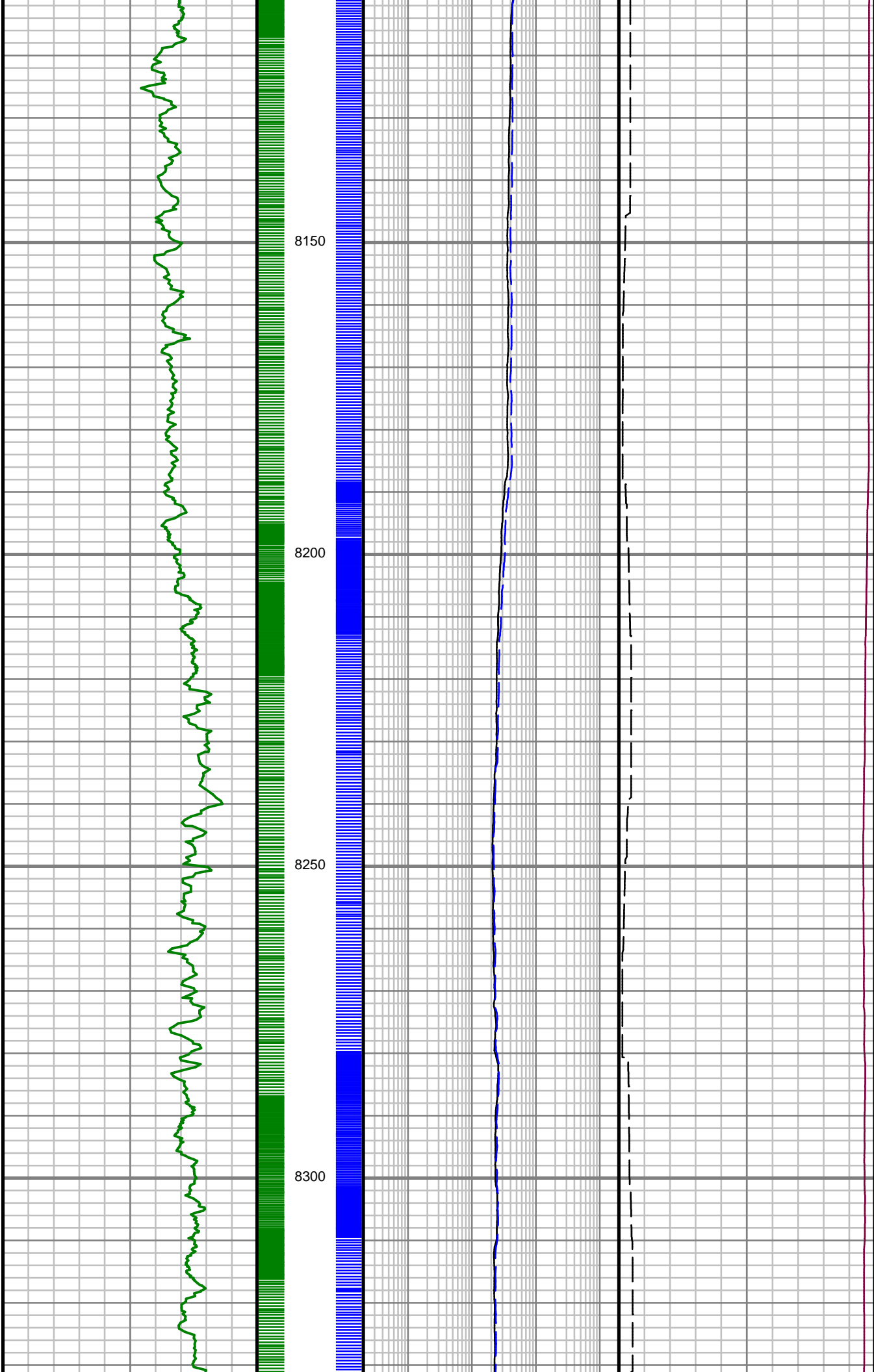
S: 82 MD: 7801.00 ft
Inc: 88.49 deg Az:
269.07 deg TVD:
7052.90 ft



S: 83 MD: 7895.00 ft
Inc: 91.31 deg Az:
271.28 deg TVD:
7053.07 ft

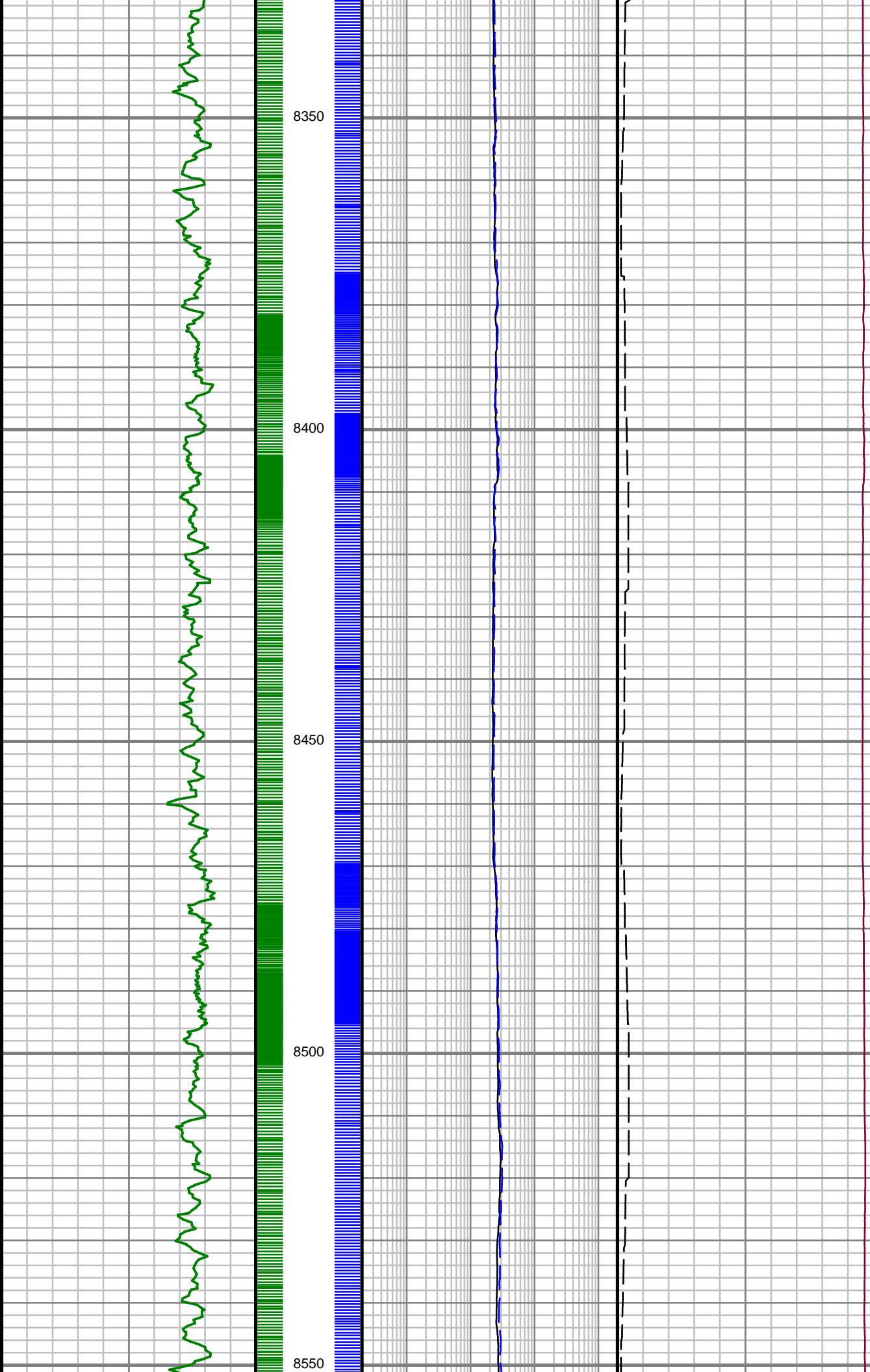
S: 84 MD: 7990.00 ft
Inc: 91.11 deg Az:
271.34 deg TVD:
7051.07 ft

S: 85 MD: 8084.00 ft
Inc: 90.34 deg Az:
272.01 deg TVD:
7049.89 ft



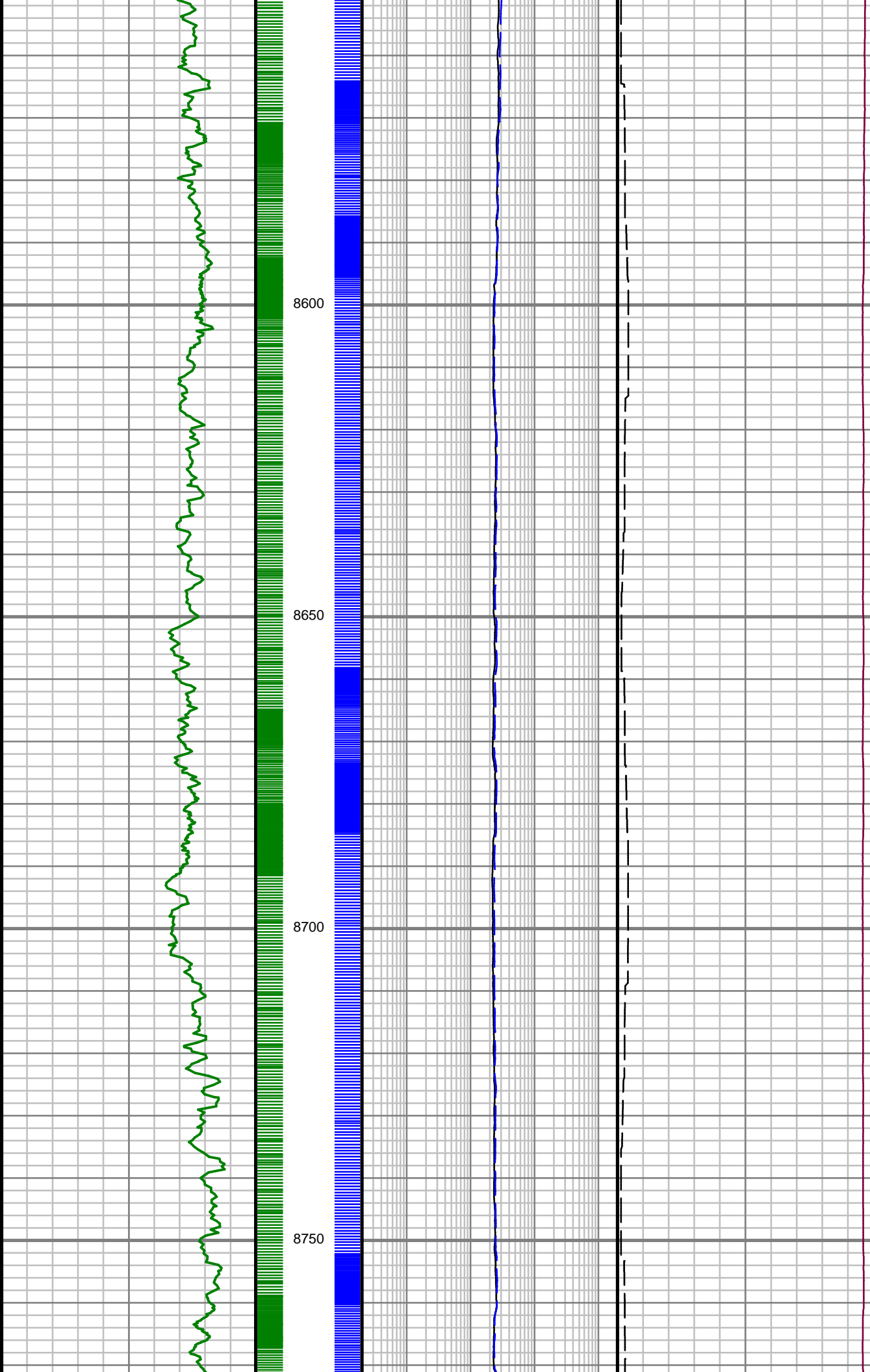
S: 86 MD: 8177.00 ft
Inc: 89.76 deg Az:
272.67 deg TVD:
7049.80 ft

S: 87 MD: 8271.00 ft
Inc: 89.23 deg Az:
272.30 deg TVD:
7050.63 ft



S: 88 MD: 8366.00 ft
Inc: 89.33 deg Az:
270.15 deg TVD:
7051.83 ft

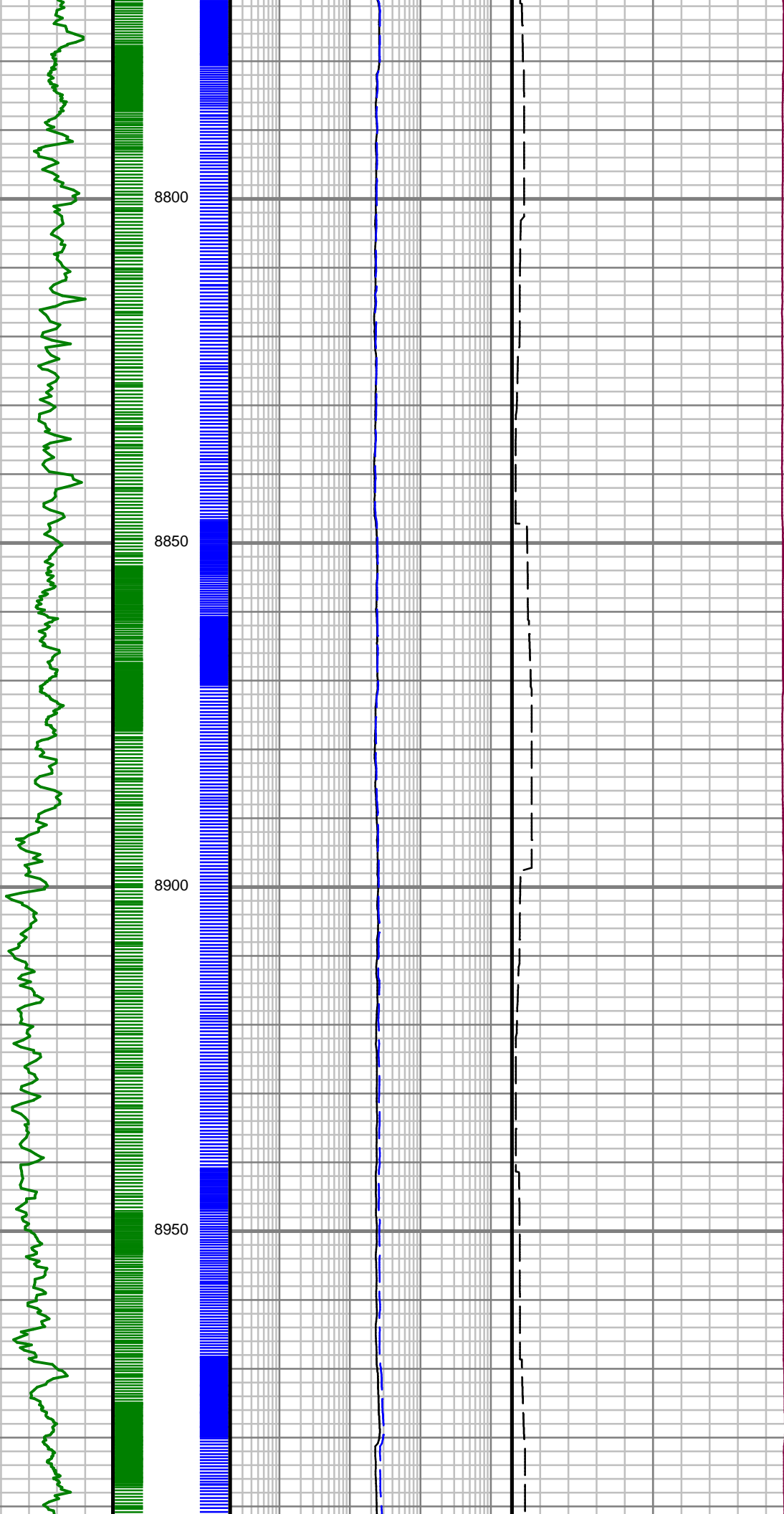
S: 89 MD: 8460.00 ft
Inc: 88.19 deg Az:
268.14 deg TVD:
7053.86 ft



S: 90 MD: 8554.00 ft
Inc: 89.63 deg Az:
270.23 deg TVD:
7055.65 ft

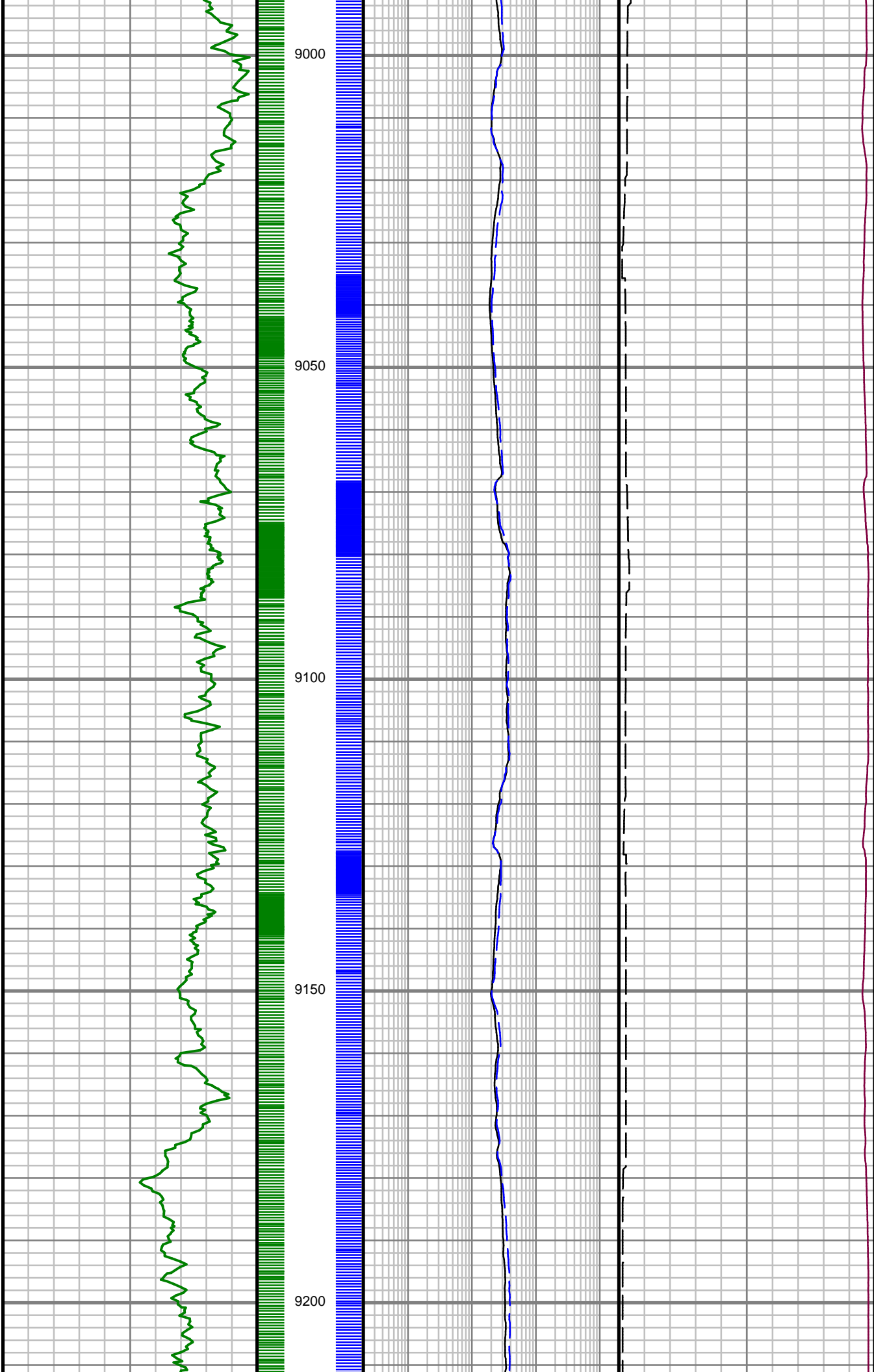
S: 91 MD: 8648.00 ft
Inc: 90.50 deg Az:
270.93 deg TVD:
7055.54 ft

S: 92 MD: 8742.00 ft
Inc: 89.80 deg Az:
271.09 deg TVD:
7055.30 ft



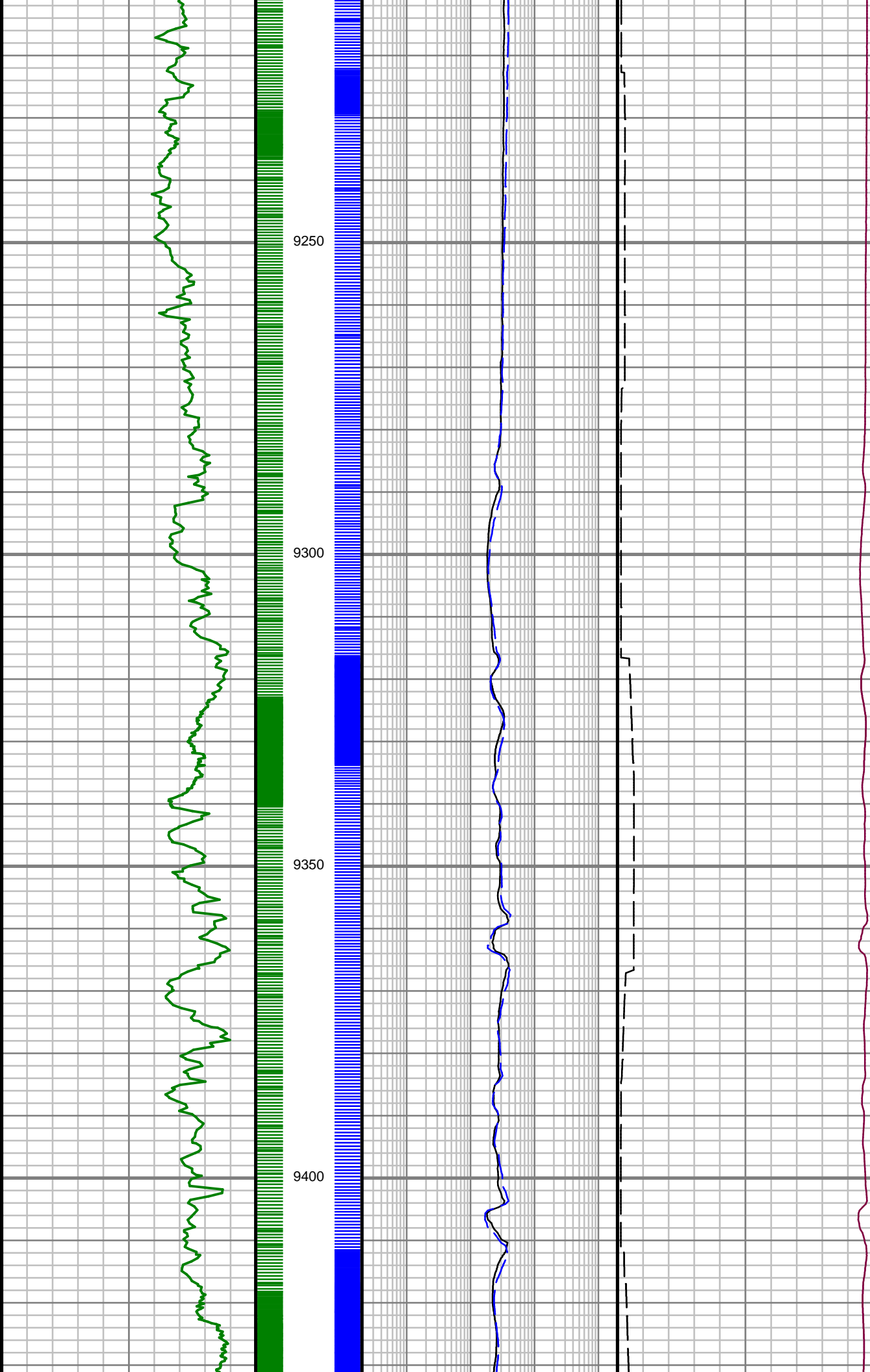
S: 93 MD: 8836.00 ft
Inc: 89.83 deg Az:
272.05 deg TVD:
7055.60 ft

S: 94 MD: 8931.00 ft
Inc: 89.53 deg Az:
272.85 deg TVD:
7056.13 ft



S: 95 MD: 9025.00 ft
Inc: 90.47 deg Az:
273.34 deg TVD:
7056.13 ft

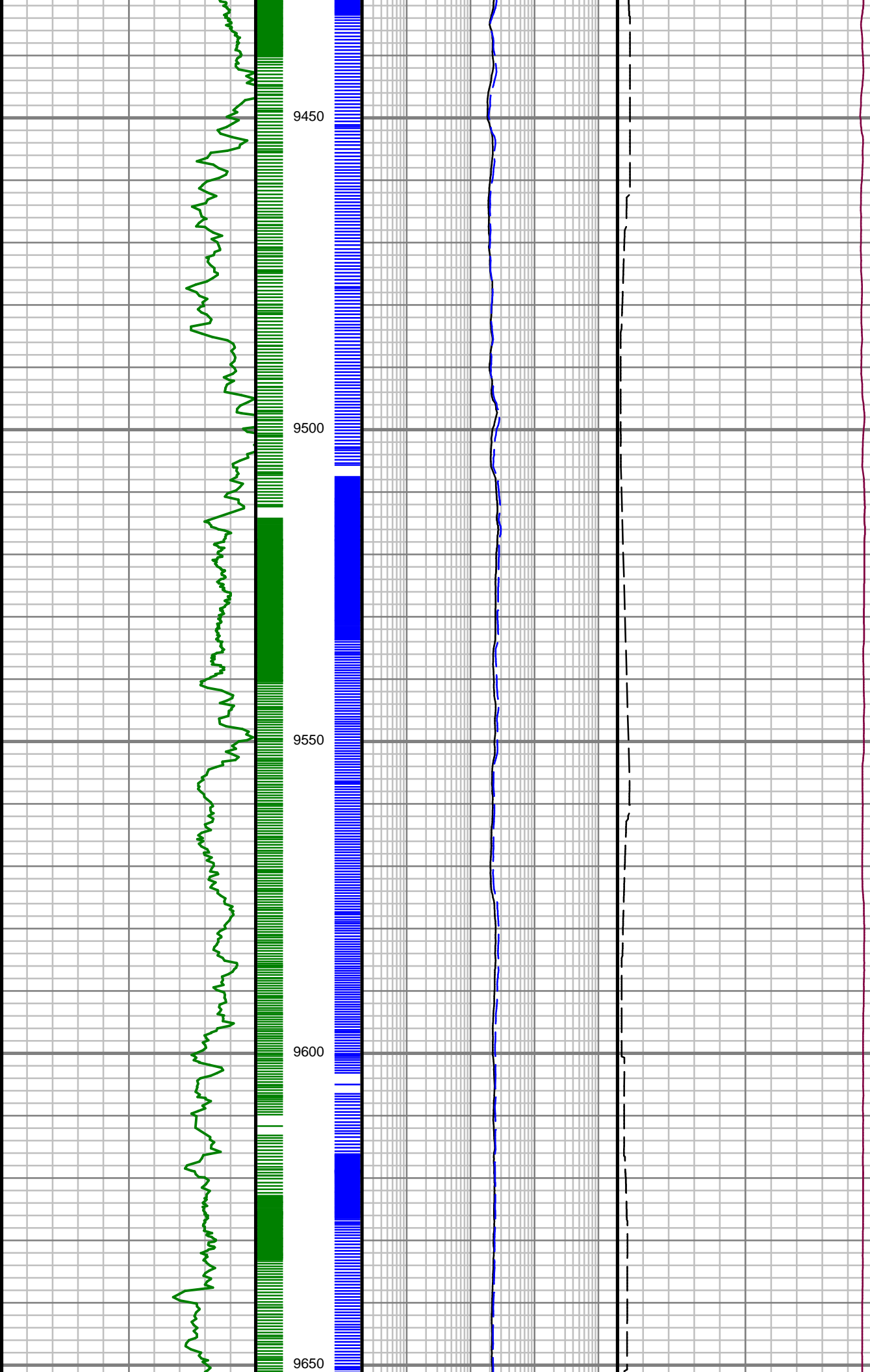
S: 96 MD: 9120.00 ft
Inc: 90.34 deg Az:
272.05 deg TVD:
7055.46 ft



S: 97 MD: 9216.00 ft
Inc: 89.46 deg Az:
271.85 deg TVD:
7055.63 ft

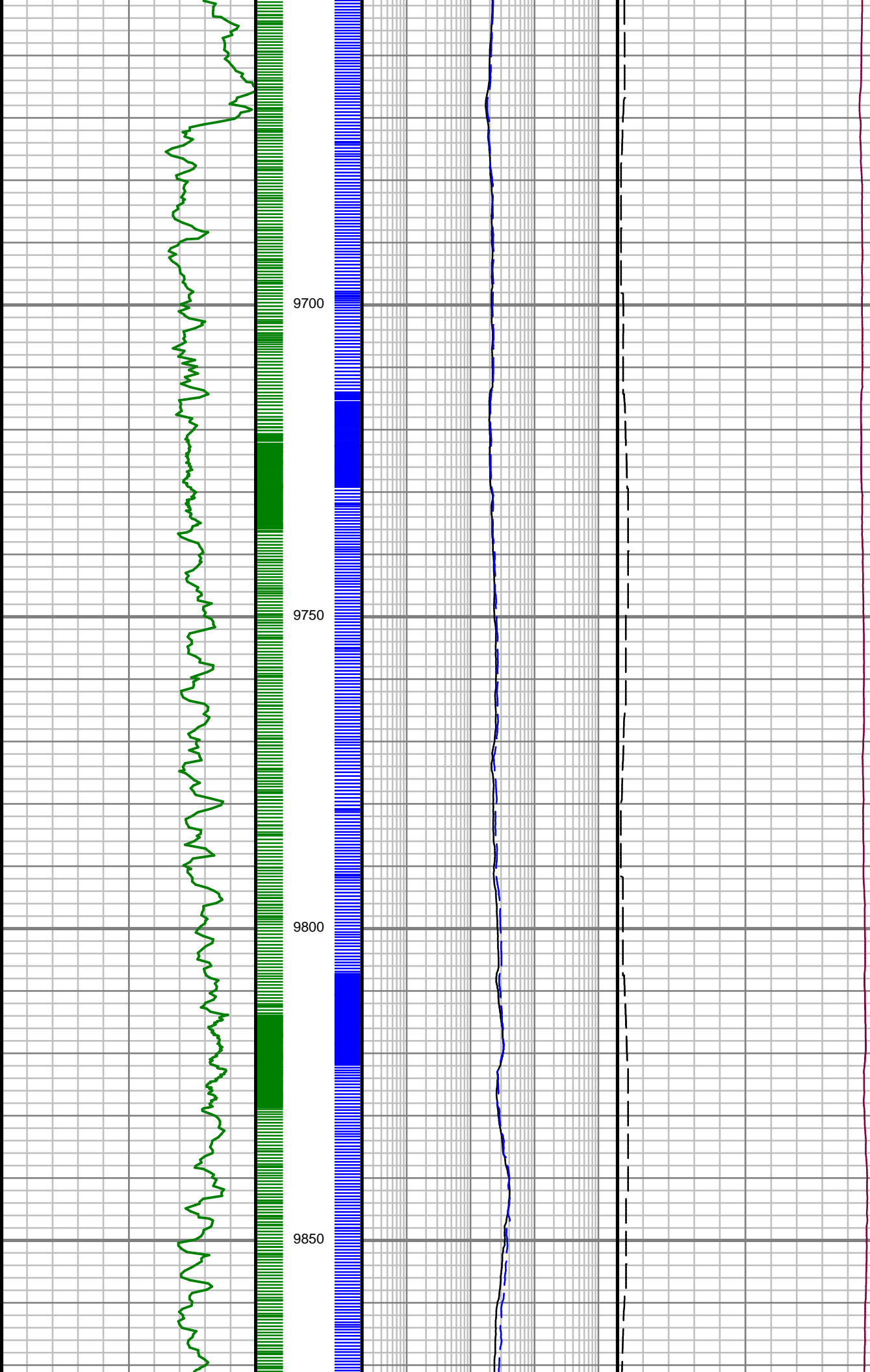
S: 98 MD: 9310.00 ft
Inc: 91.78 deg Az:
273.03 deg TVD:
7054.61 ft

S: 99 MD: 9405.00 ft
Inc: 91.38 deg Az:
270.31 deg TVD:
7051.99 ft



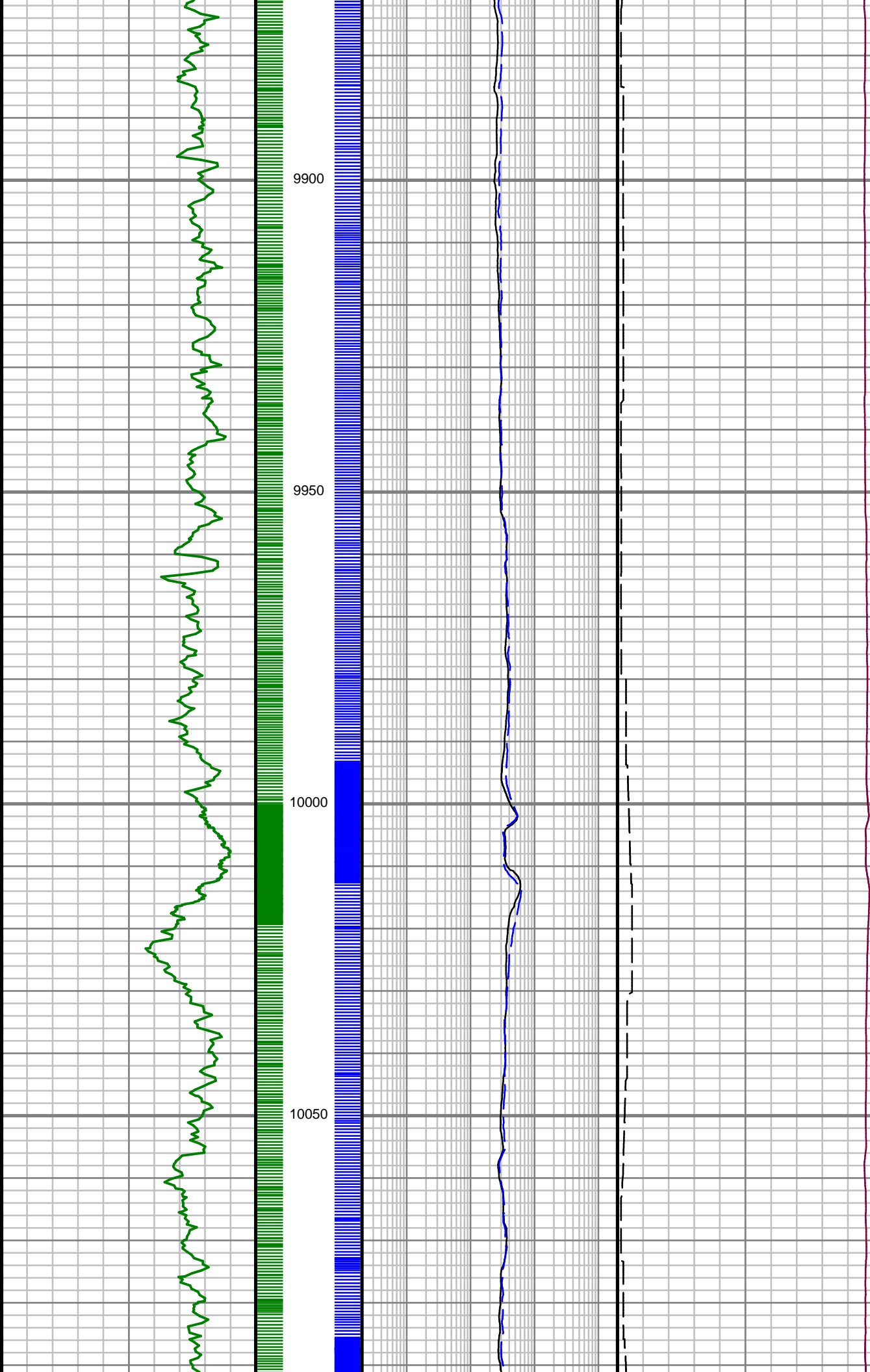
S: 100 MD: 9500.00 ft
Inc: 91.11 deg Az:
270.63 deg TVD:
7049.93 ft

S: 101 MD: 9594.00 ft
Inc: 89.63 deg Az:
271.24 deg TVD:
7049.33 ft



S: 102 MD: 9689.00 ft
Inc: 89.46 deg Az:
271.99 deg TVD:
7050.08 ft

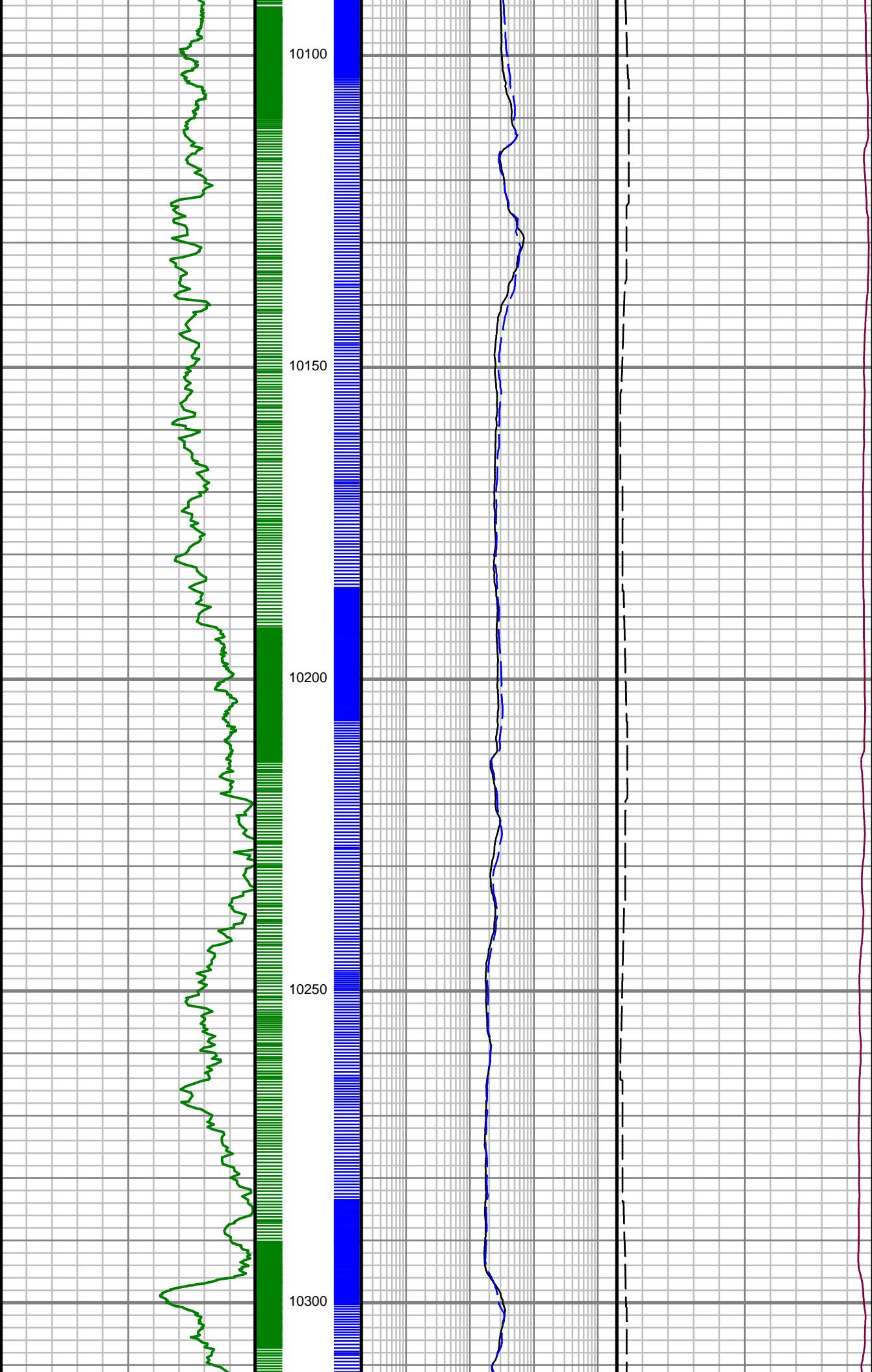
S: 103 MD: 9782.00 ft
Inc: 89.43 deg Az:
272.35 deg TVD:
7050.97 ft



S: 104 MD: 9875.00 ft
Inc: 88.52 deg Az:
270.22 deg TVD:
7052.64 ft

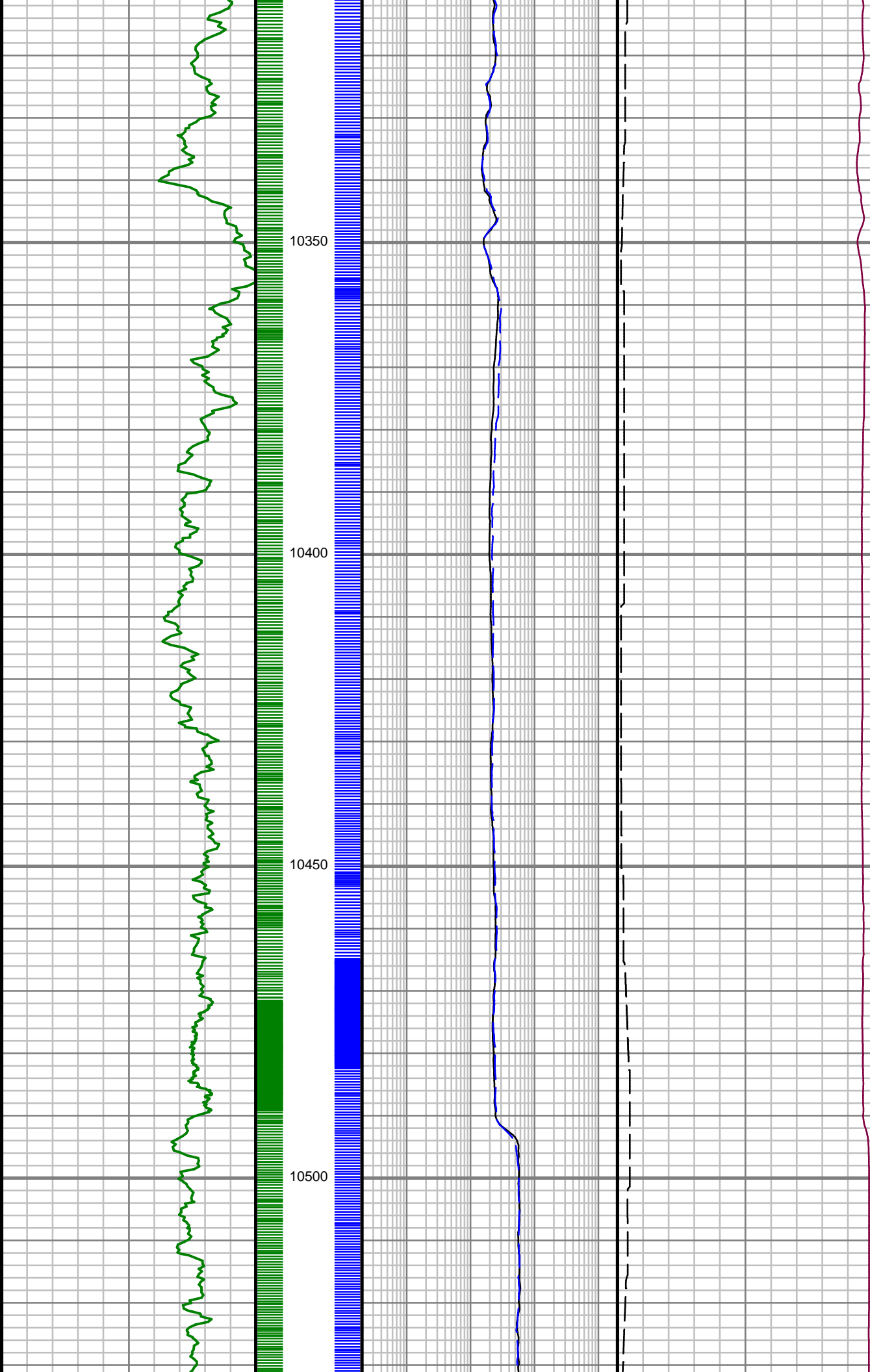
S: 105 MD: 9969.00 ft
Inc: 90.24 deg Az:
268.85 deg TVD:
7053.66 ft

S: 106 MD: 10063.00 ft
Inc: 90.77 deg Az:
268.89 deg TVD:
7052.83 ft



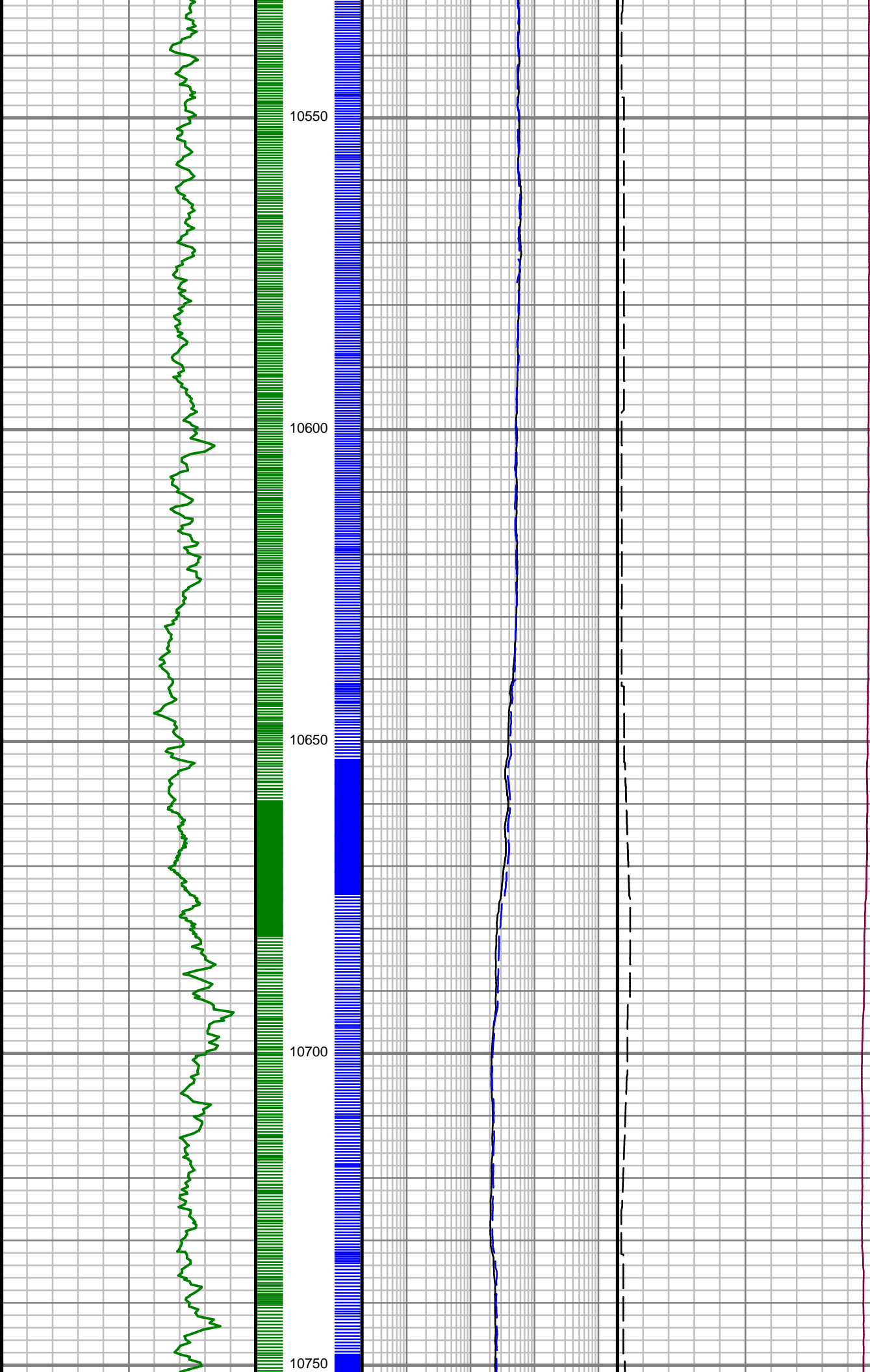
S: 107 MD: 10158.00 ft
Inc: 89.97 deg Az:
269.63 deg TVD:
7052.22 ft

S: 108 MD: 10253.00 ft
Inc: 89.60 deg Az:
270.55 deg TVD:
7052.58 ft



S: 109 MD: 10346.00 ft
Inc: 88.69 deg Az:
271.02 deg TVD:
7053.97 ft

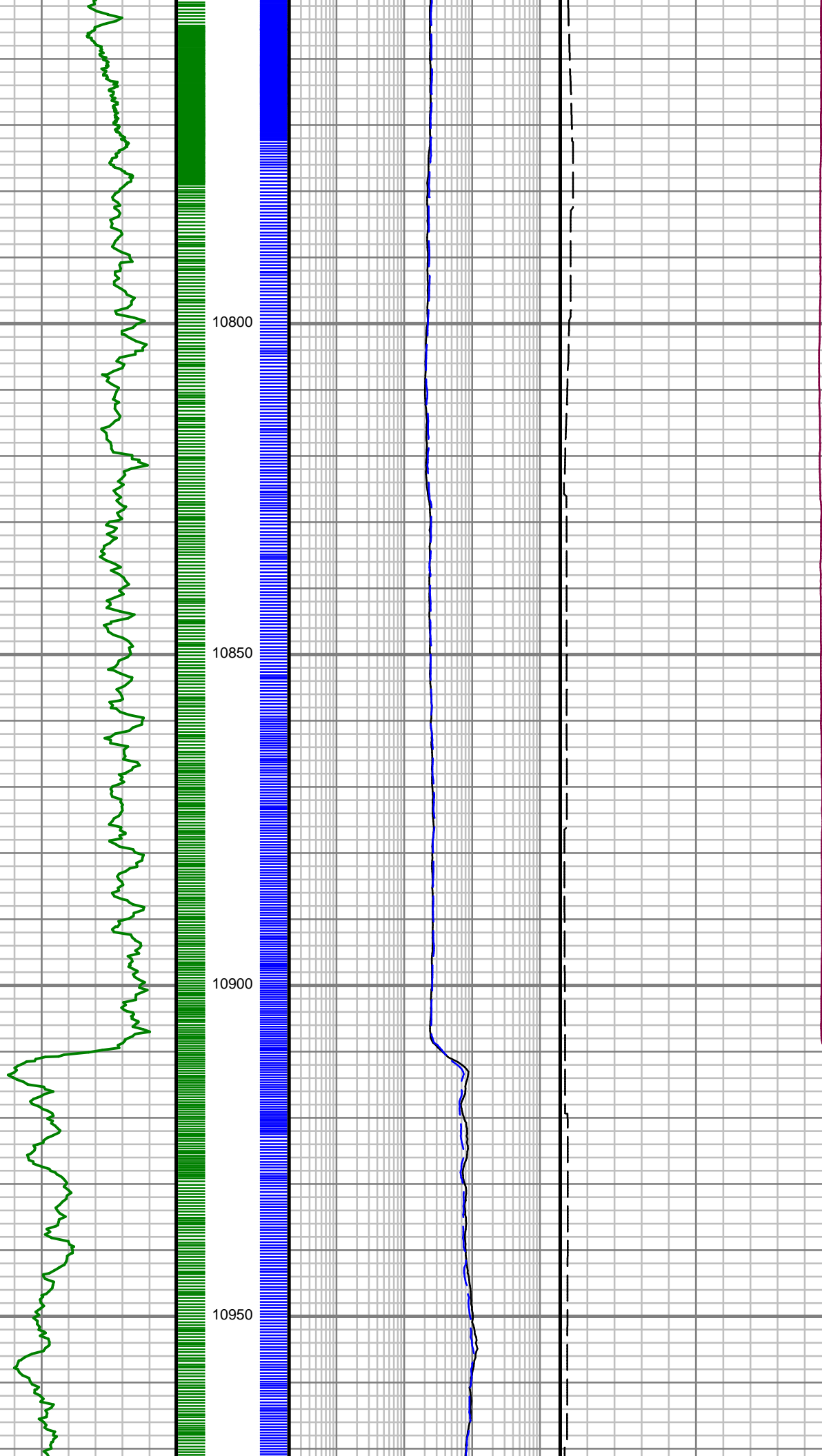
S: 110 MD: 10440.00 ft
Inc: 89.23 deg Az:
271.15 deg TVD:
7055.67 ft



S: 111 MD: 10535.00 ft
Inc: 89.09 deg Az:
271.80 deg TVD:
7057.06 ft

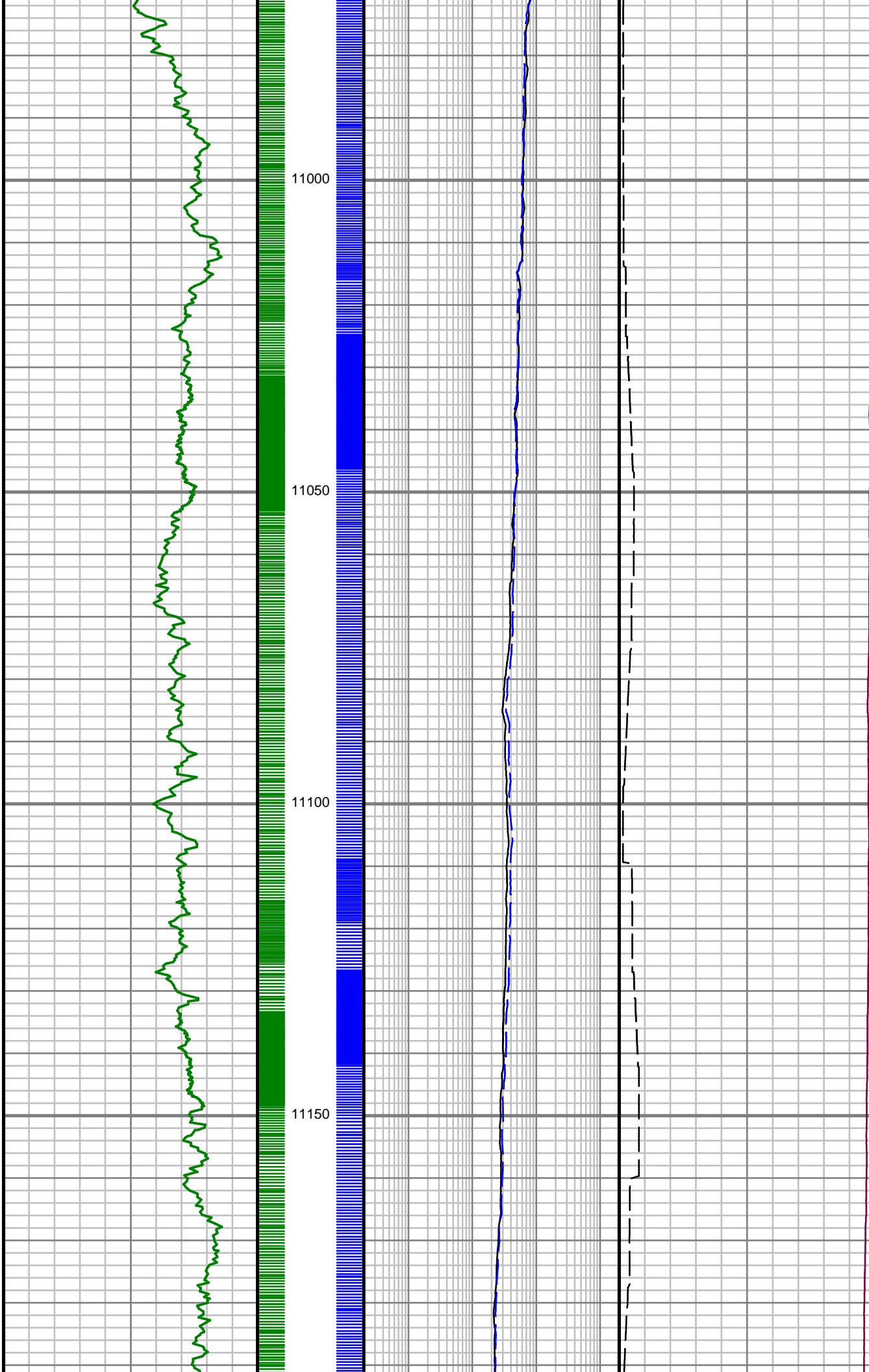
S: 112 MD: 10629.00 ft
Inc: 90.84 deg Az:
272.23 deg TVD:
7057.12 ft

S: 113 MD: 10723.00 ft
Inc: 90.30 deg Az:
271.82 deg TVD:
7056.18 ft



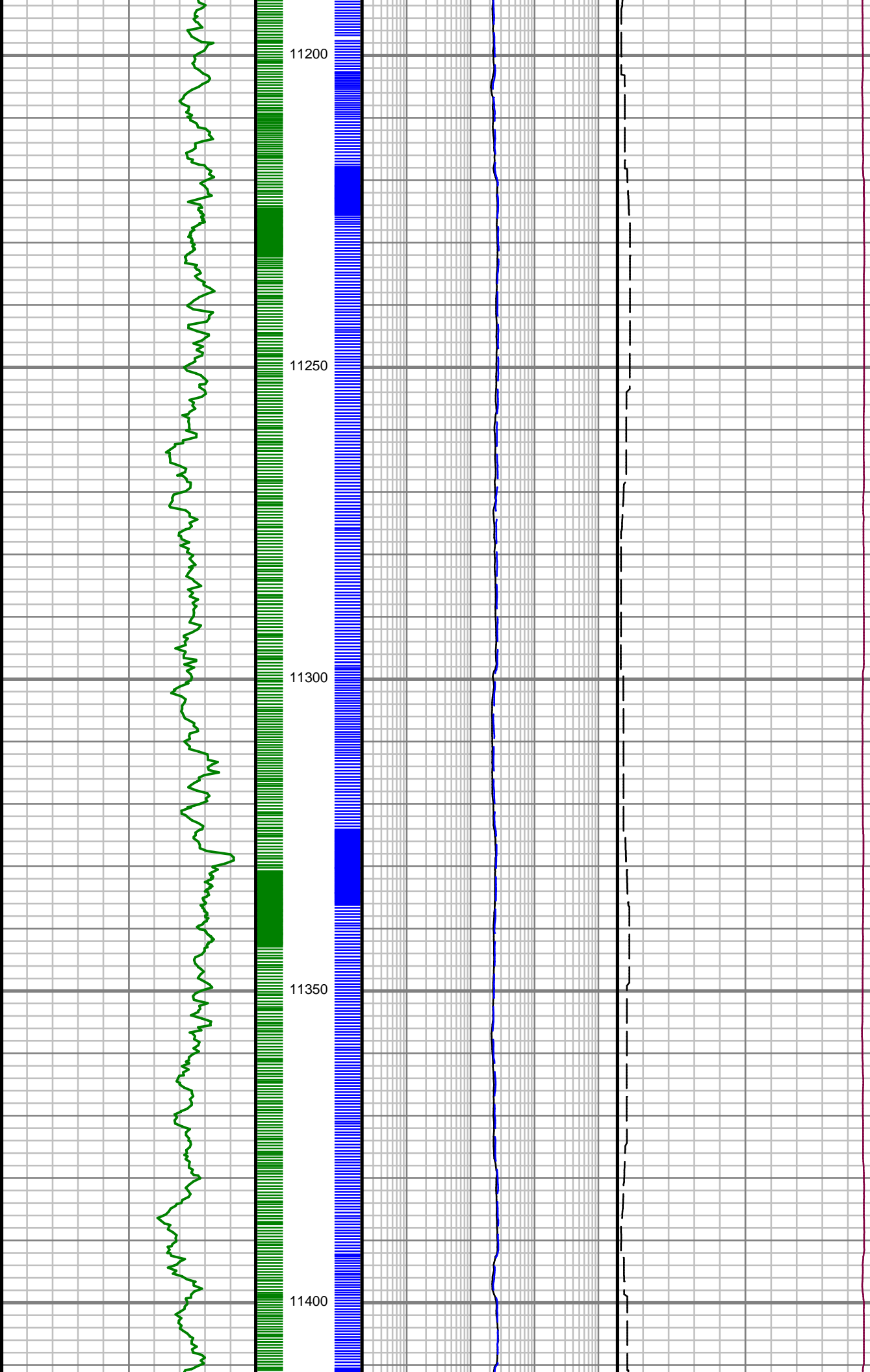
S: 114 MD: 10816.00 ft
Inc: 89.29 deg Az:
271.06 deg TVD:
7056.51 ft

S: 115 MD: 10910.00 ft
Inc: 89.43 deg Az:
271.05 deg TVD:
7057.56 ft



S: 116 MD: 11004.00 ft
Inc: 91.04 deg Az:
270.81 deg TVD:
7057.17 ft

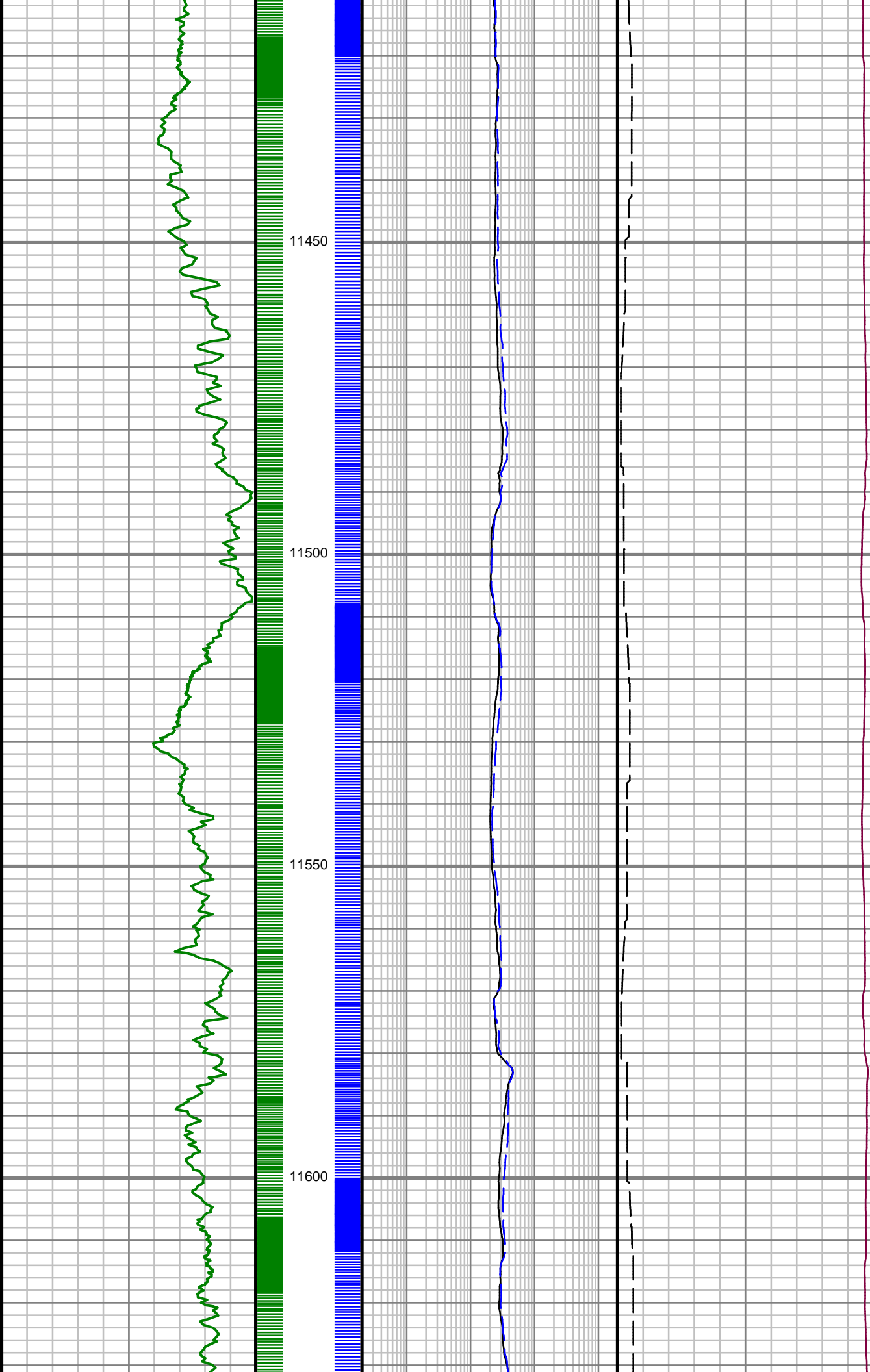
S: 117 MD: 11099.00 ft
Inc: 90.00 deg Az:
270.70 deg TVD:
7056.31 ft



S: 118 MD: 11193.00 ft
Inc: 90.37 deg Az:
271.88 deg TVD:
7056.00 ft

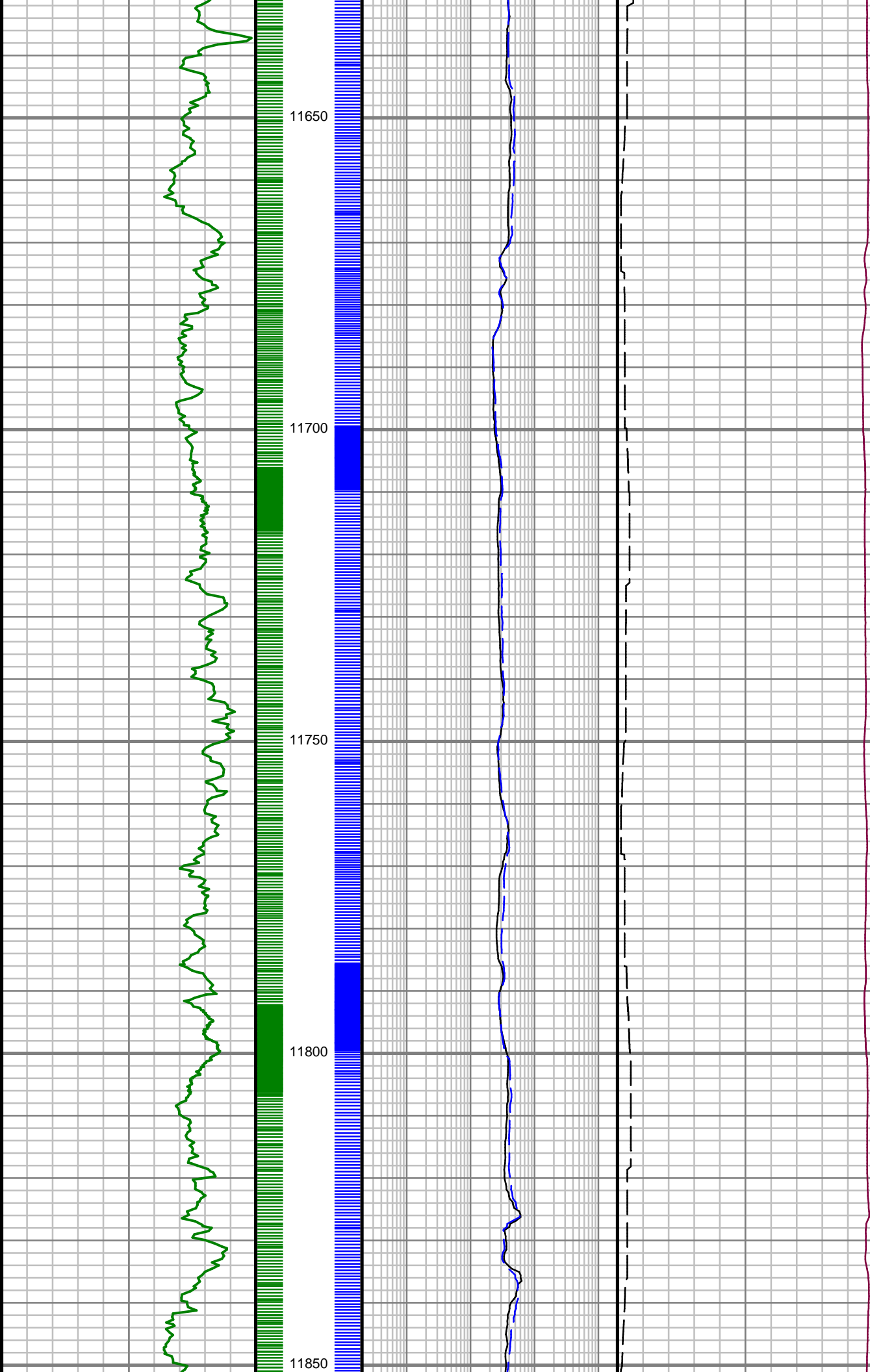
S: 119 MD: 11288.00 ft
Inc: 90.00 deg Az:
270.61 deg TVD:
7055.70 ft

S: 120 MD: 11383.00 ft
Inc: 90.74 deg Az:
269.20 deg TVD:
7055.08 ft



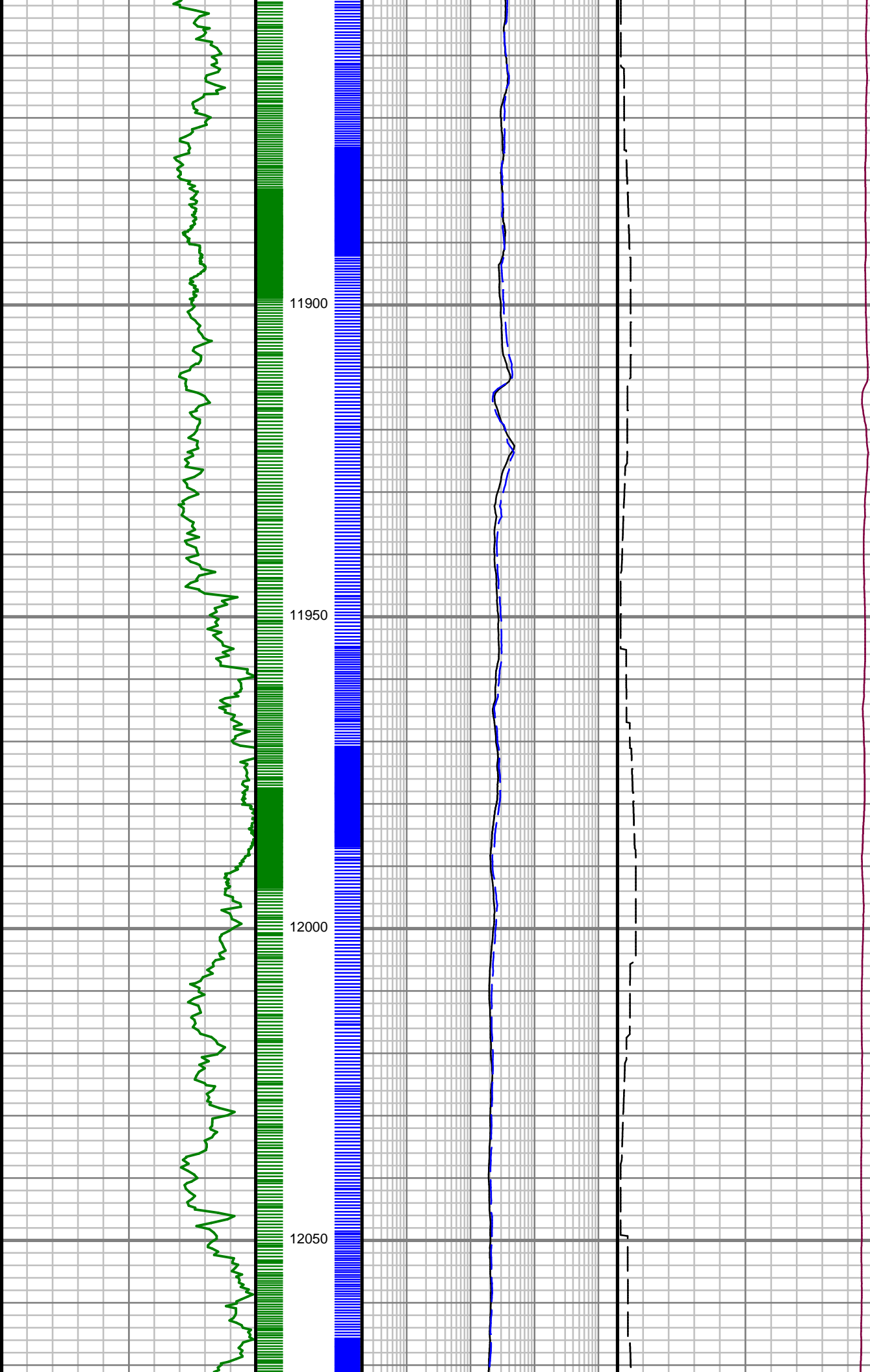
S: 121 MD: 11478.00 ft
Inc: 90.34 deg Az:
268.89 deg TVD:
7054.19 ft

S: 122 MD: 11573.00 ft
Inc: 90.10 deg Az:
268.09 deg TVD:
7053.83 ft



S: 123 MD: 11666.00 ft
Inc: 89.29 deg Az:
267.14 deg TVD:
7054.32 ft

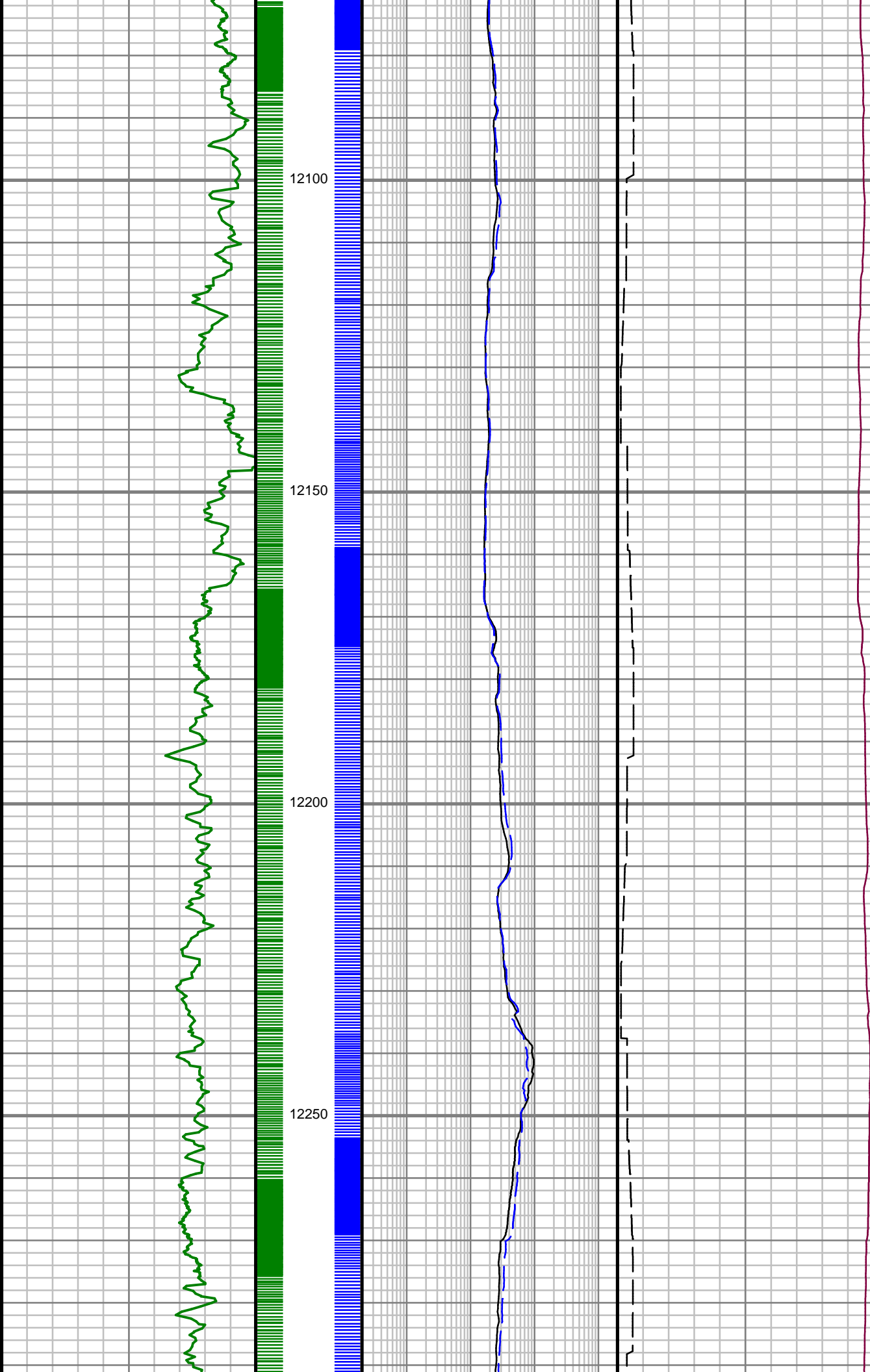
S: 124 MD: 11759.00 ft
Inc: 90.37 deg Az:
267.87 deg TVD:
7054.60 ft



S: 125 MD: 11852.00 ft
Inc: 90.97 deg Az:
267.81 deg TVD:
7053.51 ft

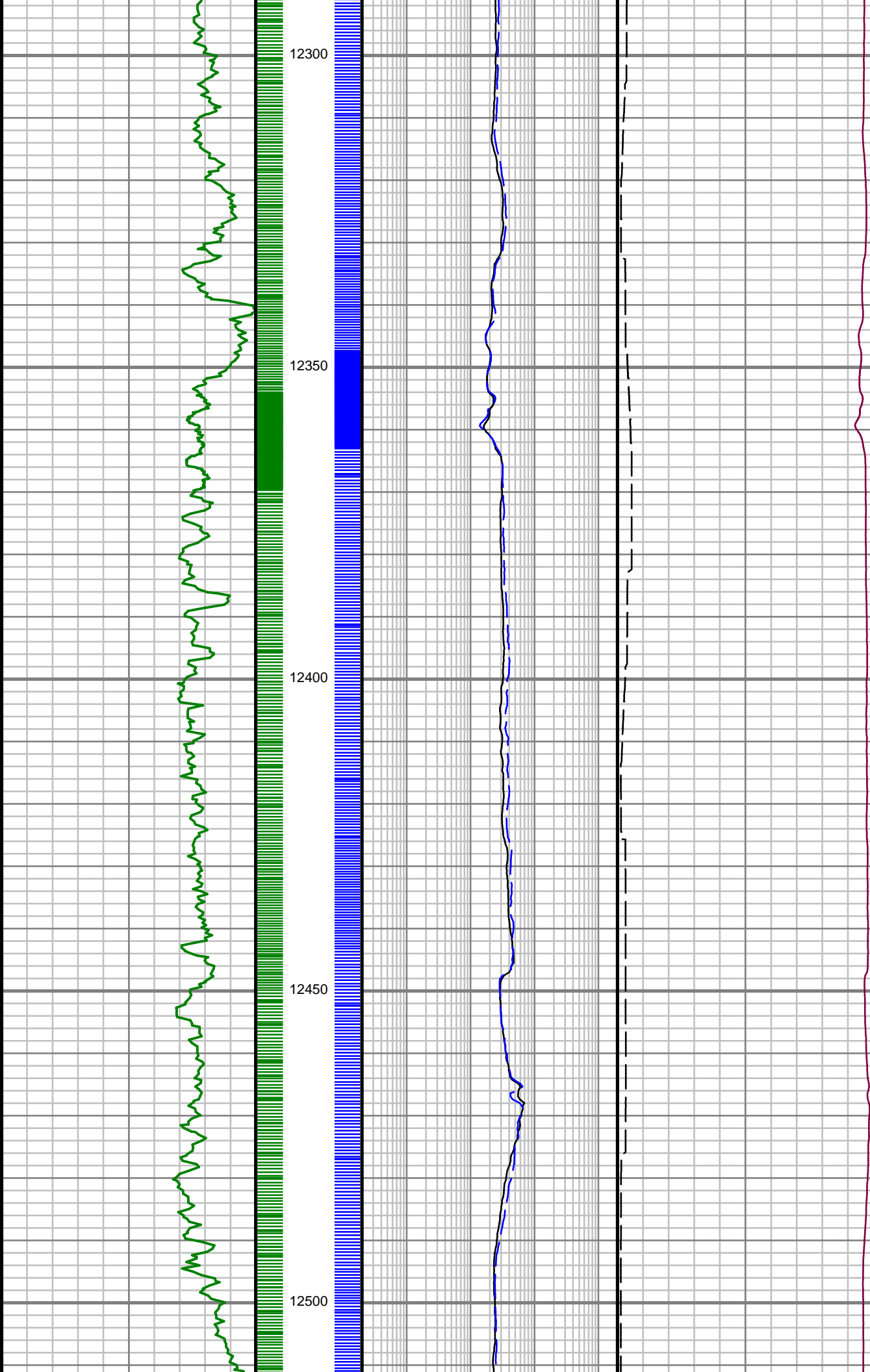
S: 126 MD: 11945.00 ft
Inc: 90.13 deg Az:
267.89 deg TVD:
7052.61 ft

S: 127 MD: 12039.00 ft
Inc: 90.24 deg Az:
268.45 deg TVD:
7052.30 ft



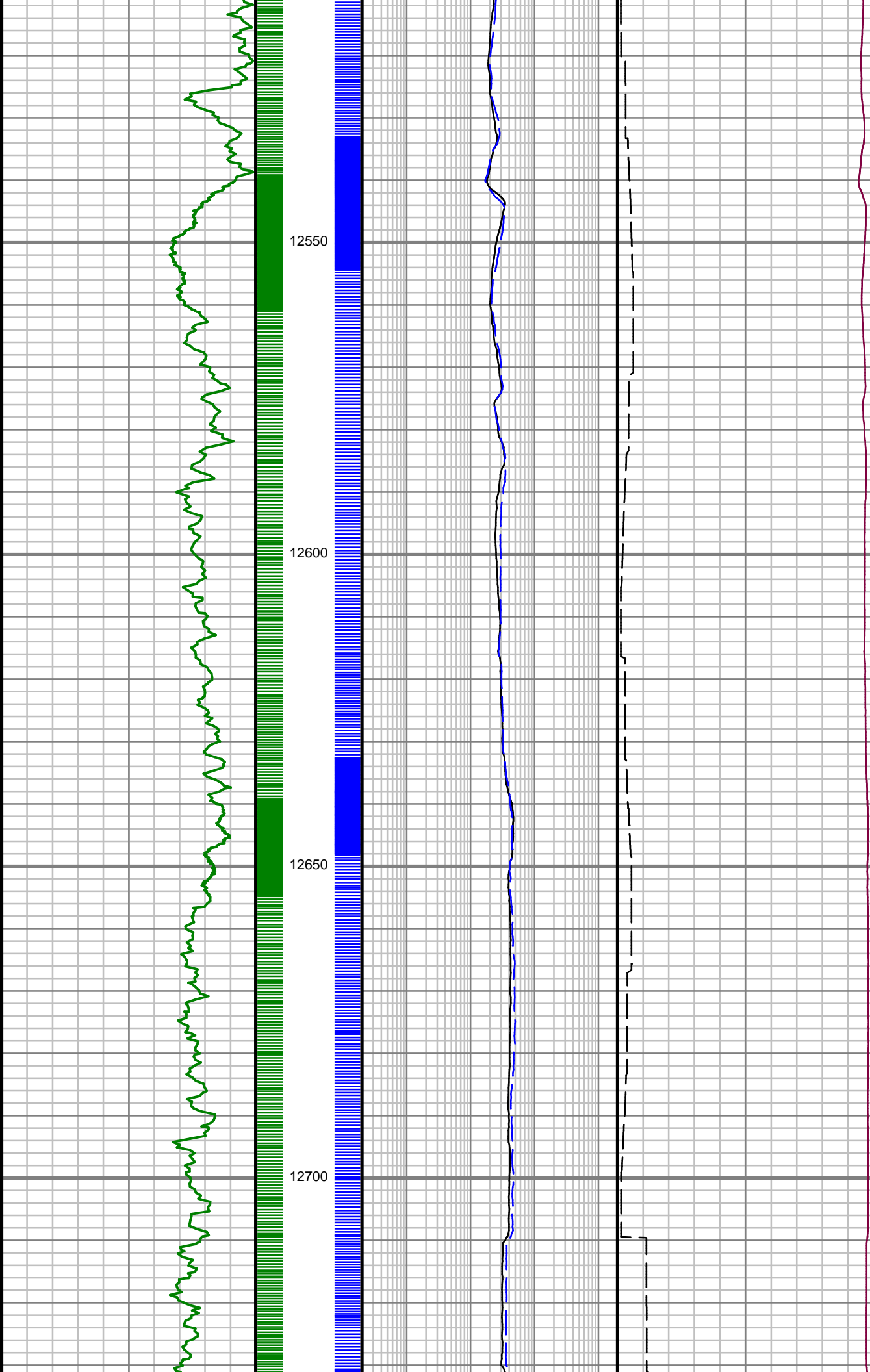
S: 128 MD: 12132.00 ft
Inc: 90.34 deg Az:
269.06 deg TVD:
7051.84 ft

S: 129 MD: 12227.00 ft
Inc: 89.83 deg Az:
268.74 deg TVD:
7051.70 ft



S: 130 MD: 12321.00 ft
Inc: 89.93 deg Az:
269.62 deg TVD:
7051.89 ft

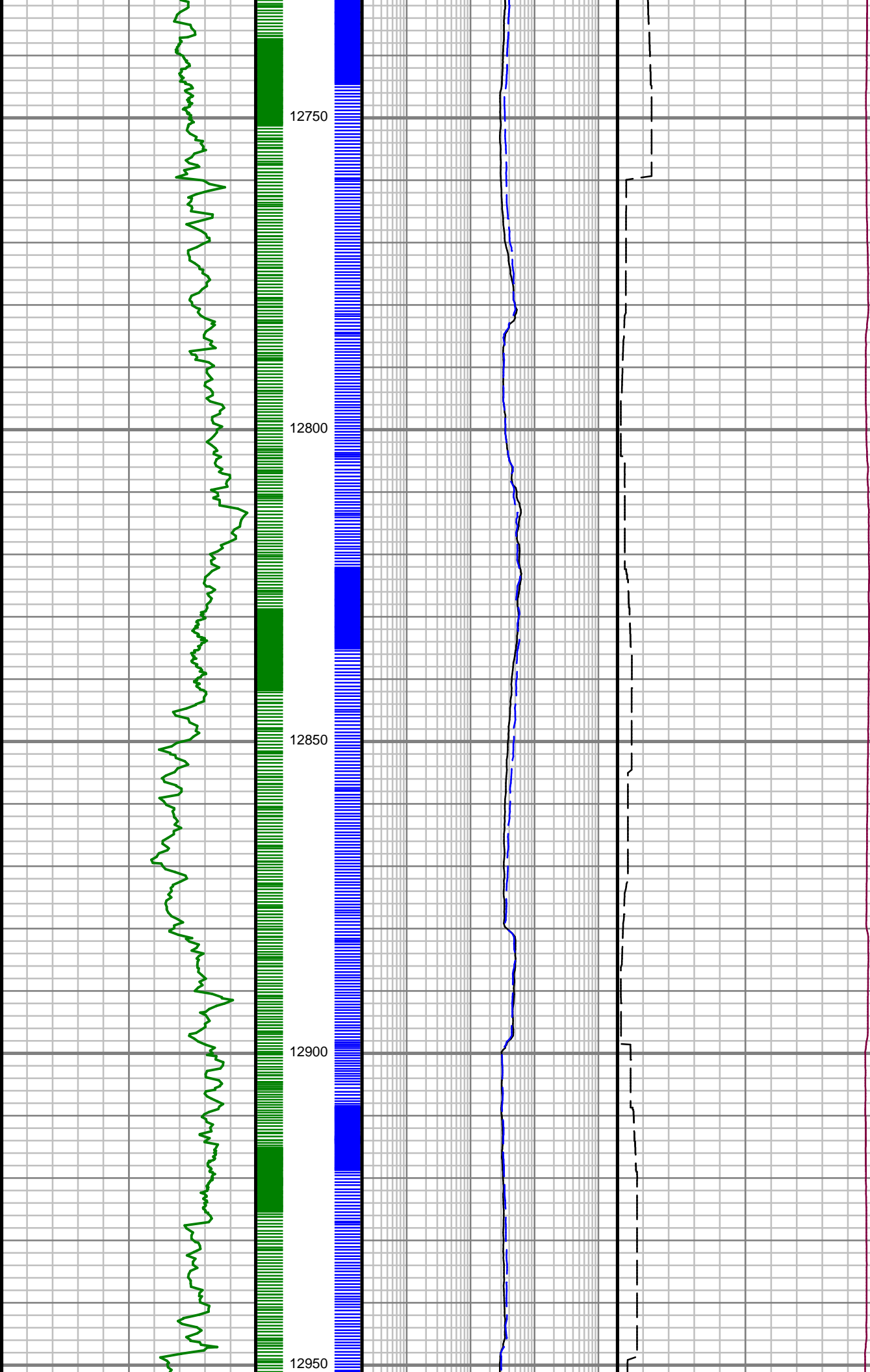
S: 131 MD: 12416.00 ft
Inc: 89.13 deg Az:
270.06 deg TVD:
7052.67 ft



S: 132 MD: 12511.00 ft
Inc: 90.64 deg Az:
270.01 deg TVD:
7052.87 ft

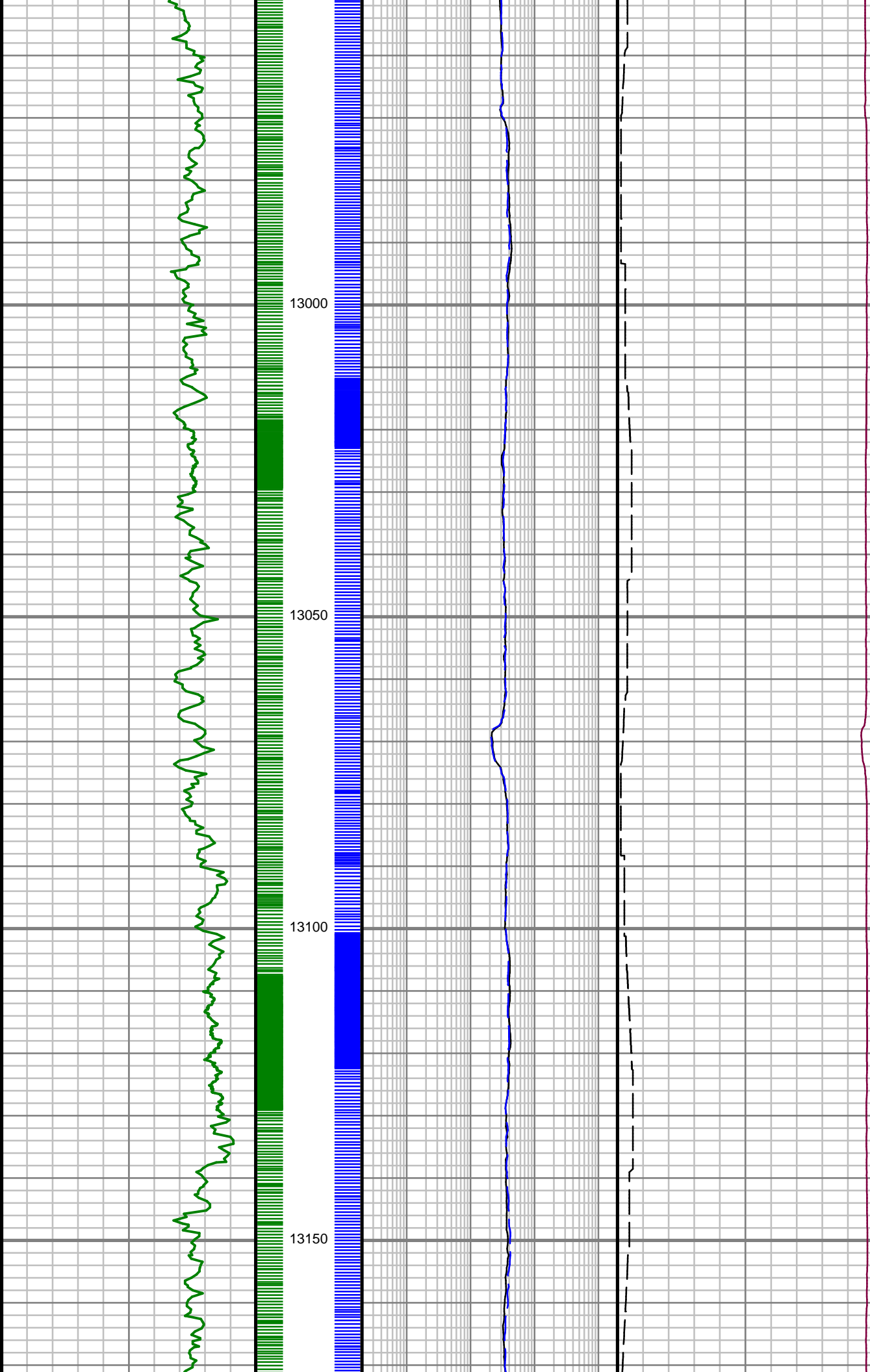
S: 133 MD: 12606.00 ft
Inc: 90.03 deg Az:
269.21 deg TVD:
7052.31 ft

S: 134 MD: 12699.00 ft
Inc: 89.83 deg Az:
268.67 deg TVD:
7052.42 ft



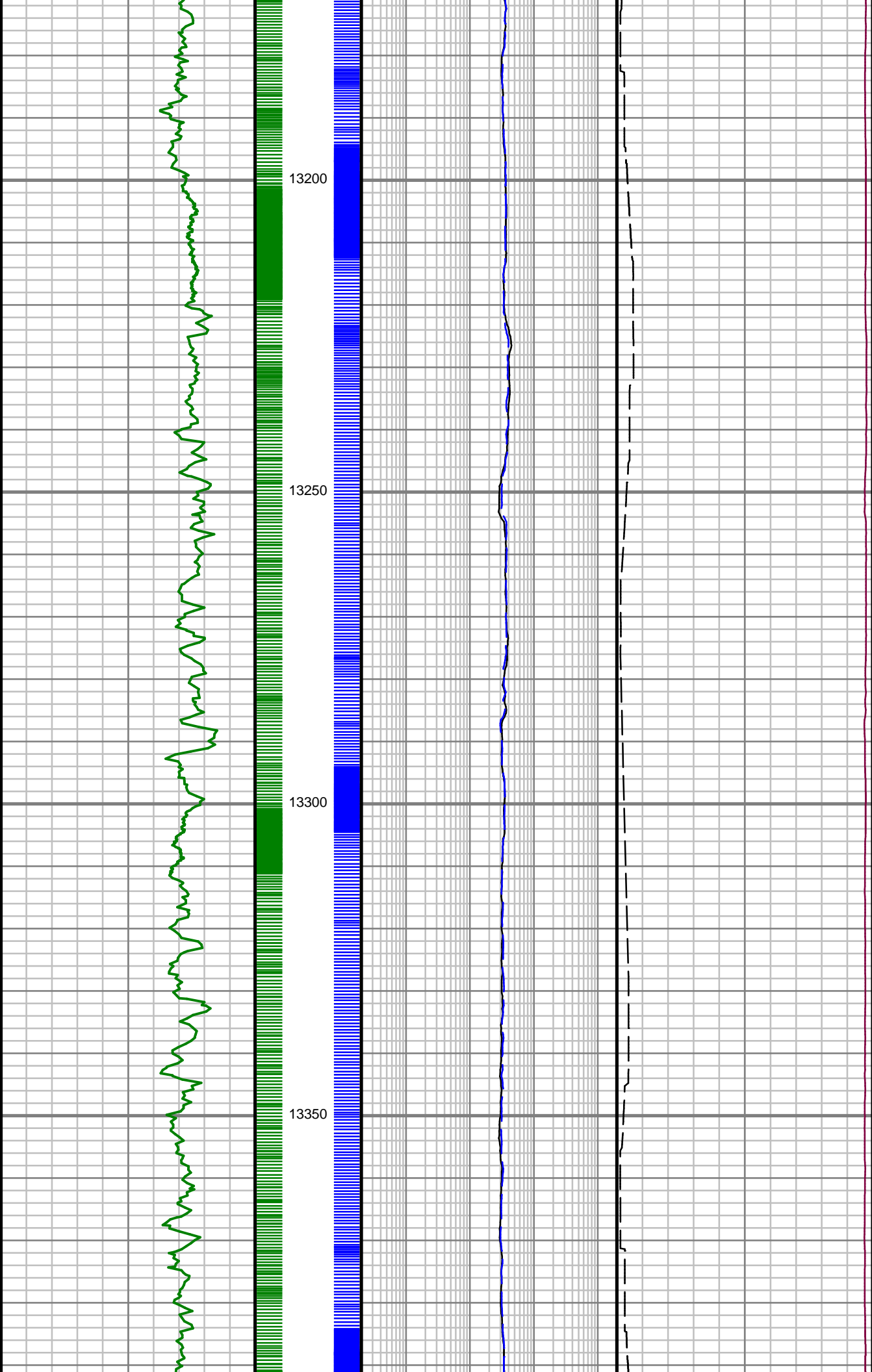
S: 135 MD: 12794.00 ft
Inc: 90.34 deg Az:
270.78 deg TVD:
7052.28 ft

S: 136 MD: 12888.00 ft
Inc: 89.93 deg Az:
271.37 deg TVD:
7052.06 ft



S: 137 MD: 12983.00 ft
Inc: 89.50 deg Az:
271.03 deg TVD:
7052.54 ft

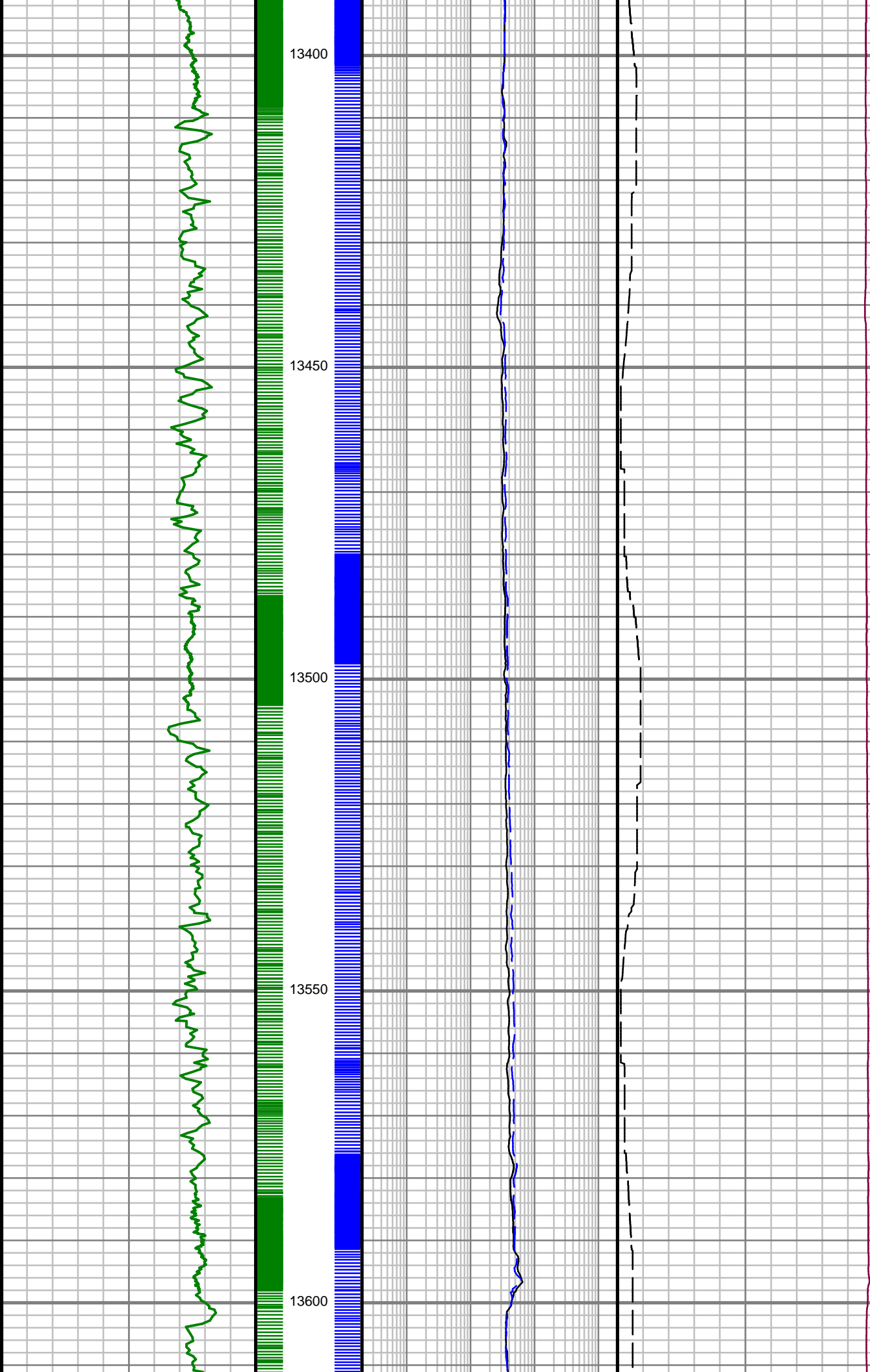
S: 138 MD: 13078.00 ft
Inc: 90.91 deg Az:
270.15 deg TVD:
7052.20 ft



S: 139 MD: 13172.00 ft
Inc: 90.91 deg Az:
268.05 deg TVD:
7050.71 ft

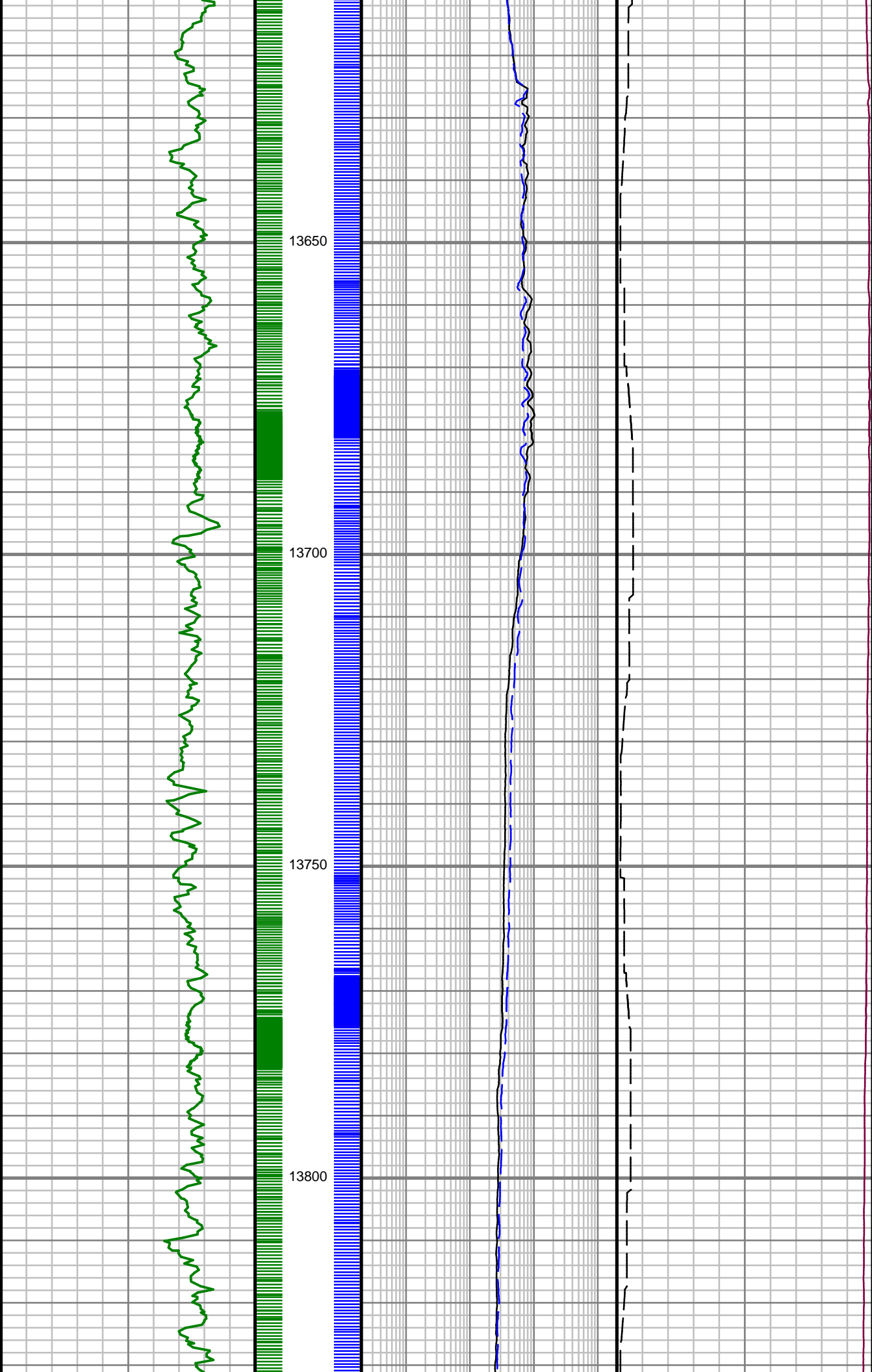
S: 140 MD: 13267.00 ft
Inc: 88.73 deg Az:
267.41 deg TVD:
7051.02 ft

S: 141 MD: 13360.00 ft
Inc: 89.93 deg Az:
269.02 deg TVD:
7052.11 ft



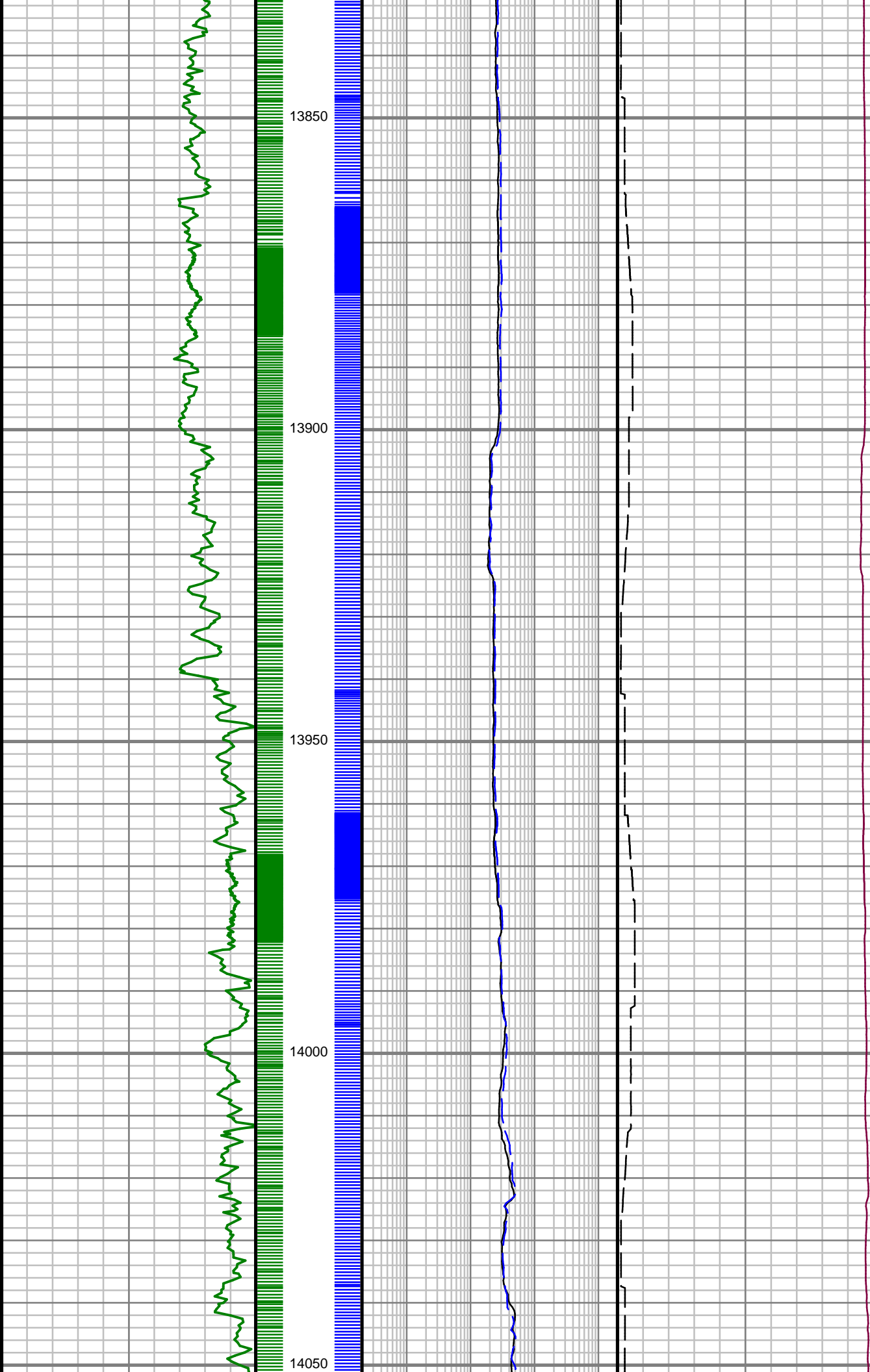
S: 142 MD: 13455.00 ft
Inc: 89.80 deg Az:
267.98 deg TVD:
7052.33 ft

S: 143 MD: 13550.00 ft
Inc: 89.97 deg Az:
267.76 deg TVD:
7052.53 ft



S: 144 MD: 13645.00 ft
Inc: 89.13 deg Az:
268.03 deg TVD:
7053.28 ft

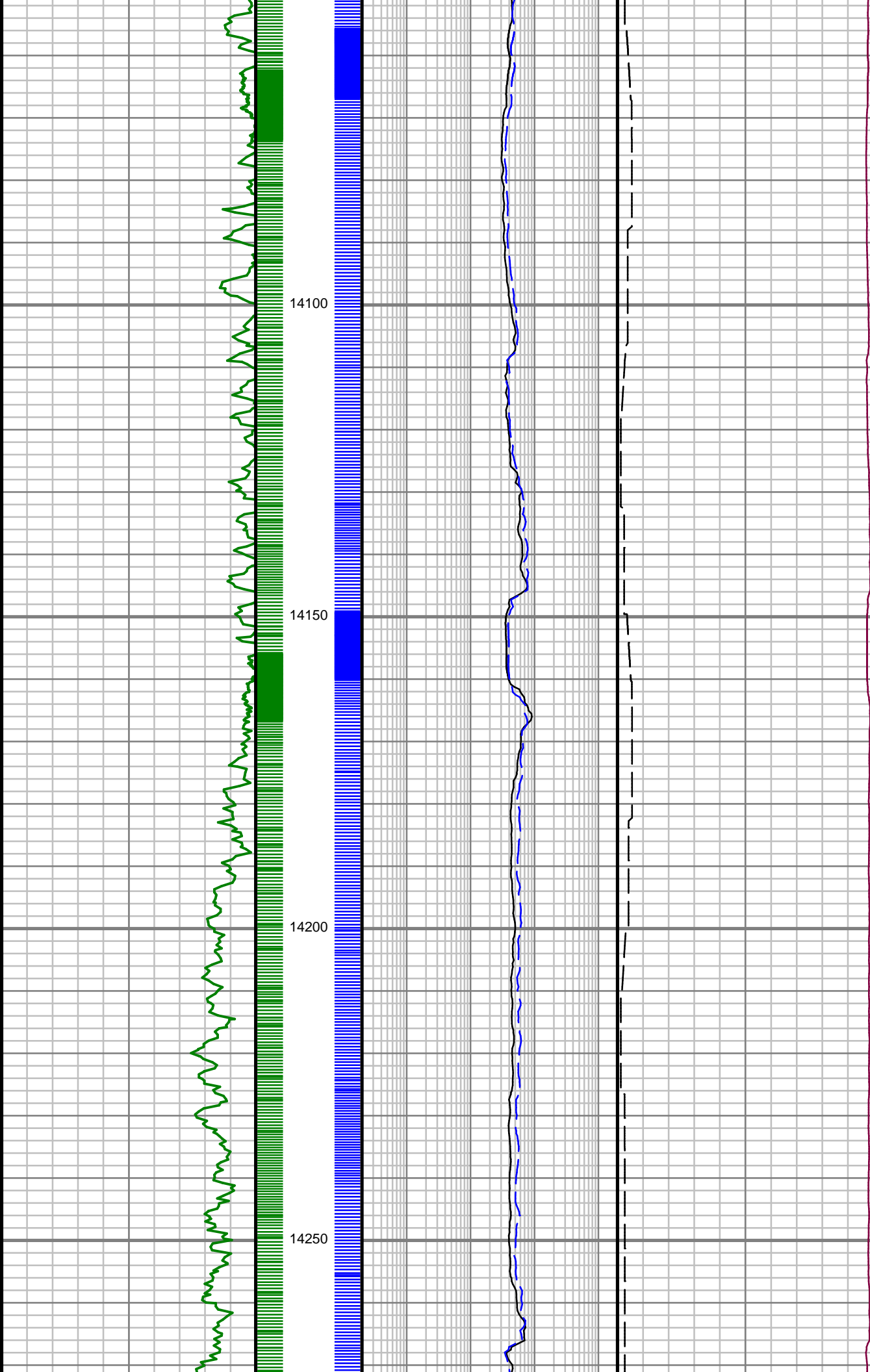
S: 145 MD: 13740.00 ft
Inc: 88.79 deg Az:
267.60 deg TVD:
7055.00 ft



S: 146 MD: 13835.00 ft
Inc: 89.66 deg Az:
268.31 deg TVD:
7056.29 ft

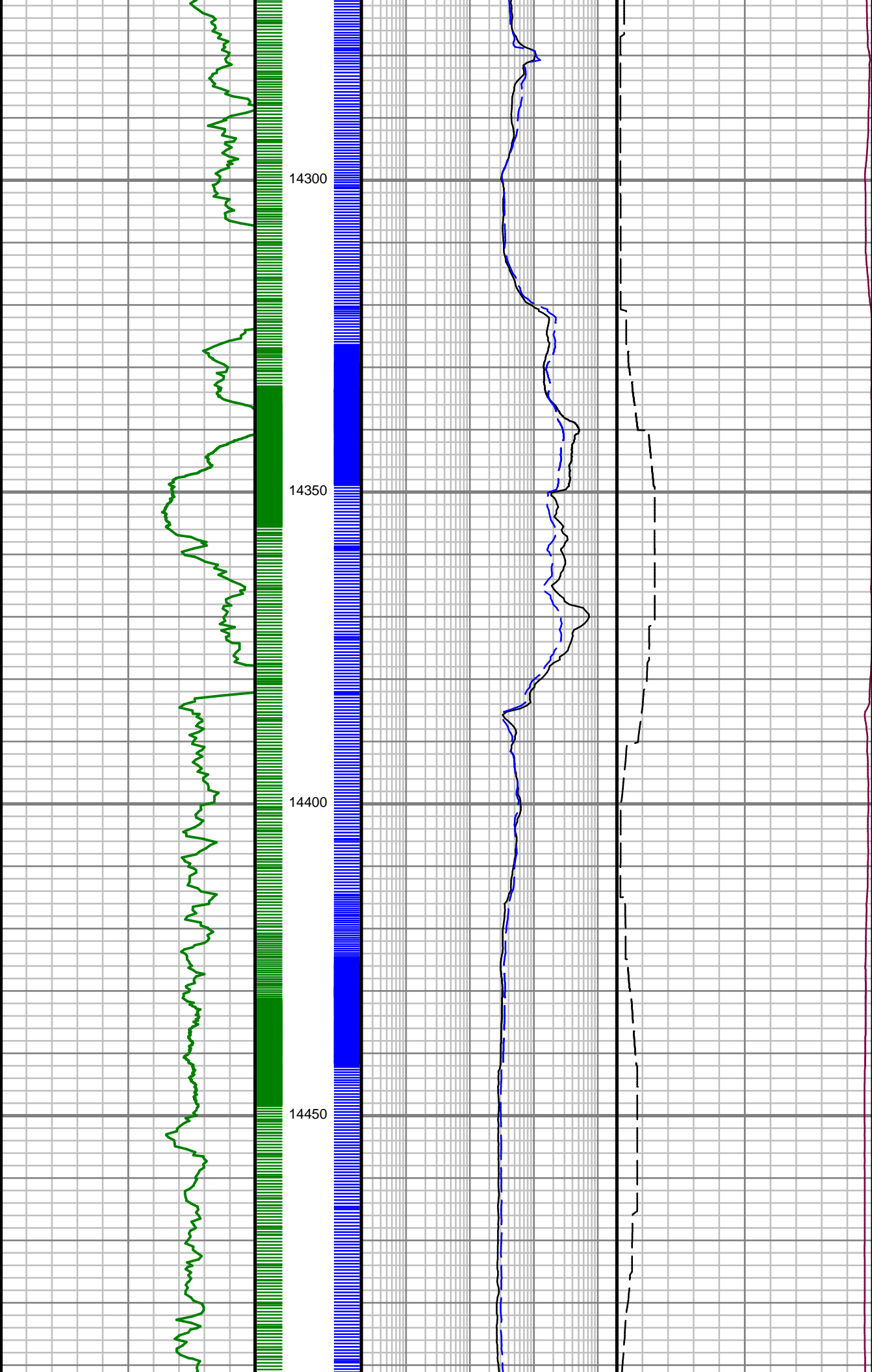
S: 147 MD: 13930.00 ft
Inc: 88.99 deg Az:
269.22 deg TVD:
7057.40 ft

S: 148 MD: 14025.00 ft
Inc: 88.99 deg Az:
270.01 deg TVD:
7059.07 ft



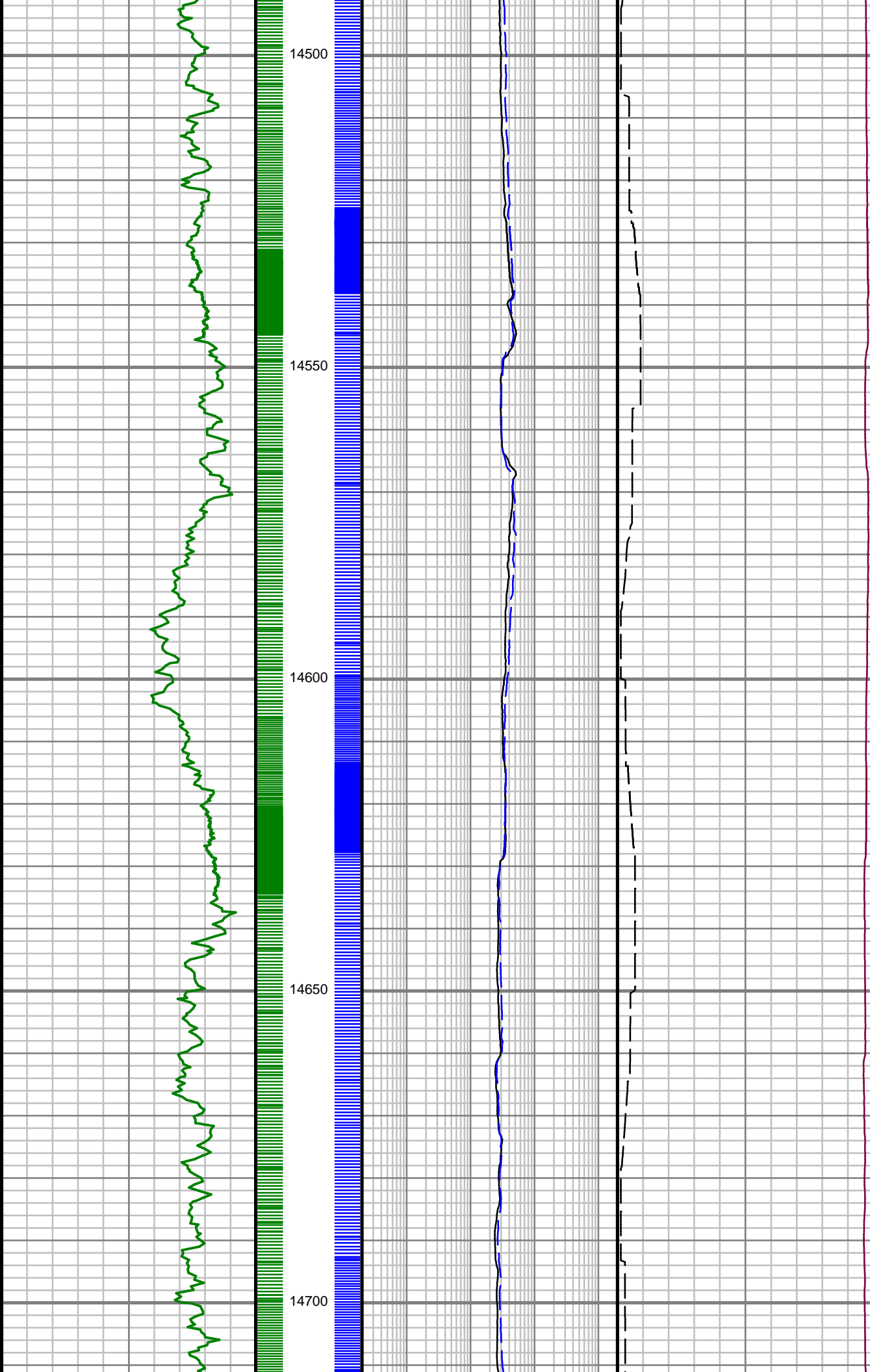
S: 149 MD: 14120.00 ft
Inc: 88.72 deg Az:
269.45 deg TVD:
7060.96 ft

S: 150 MD: 14215.00 ft
Inc: 88.86 deg Az:
269.31 deg TVD:
7062.97 ft



S: 151 MD: 14309.00 ft
Inc: 91.14 deg Az:
269.27 deg TVD:
7062.97 ft

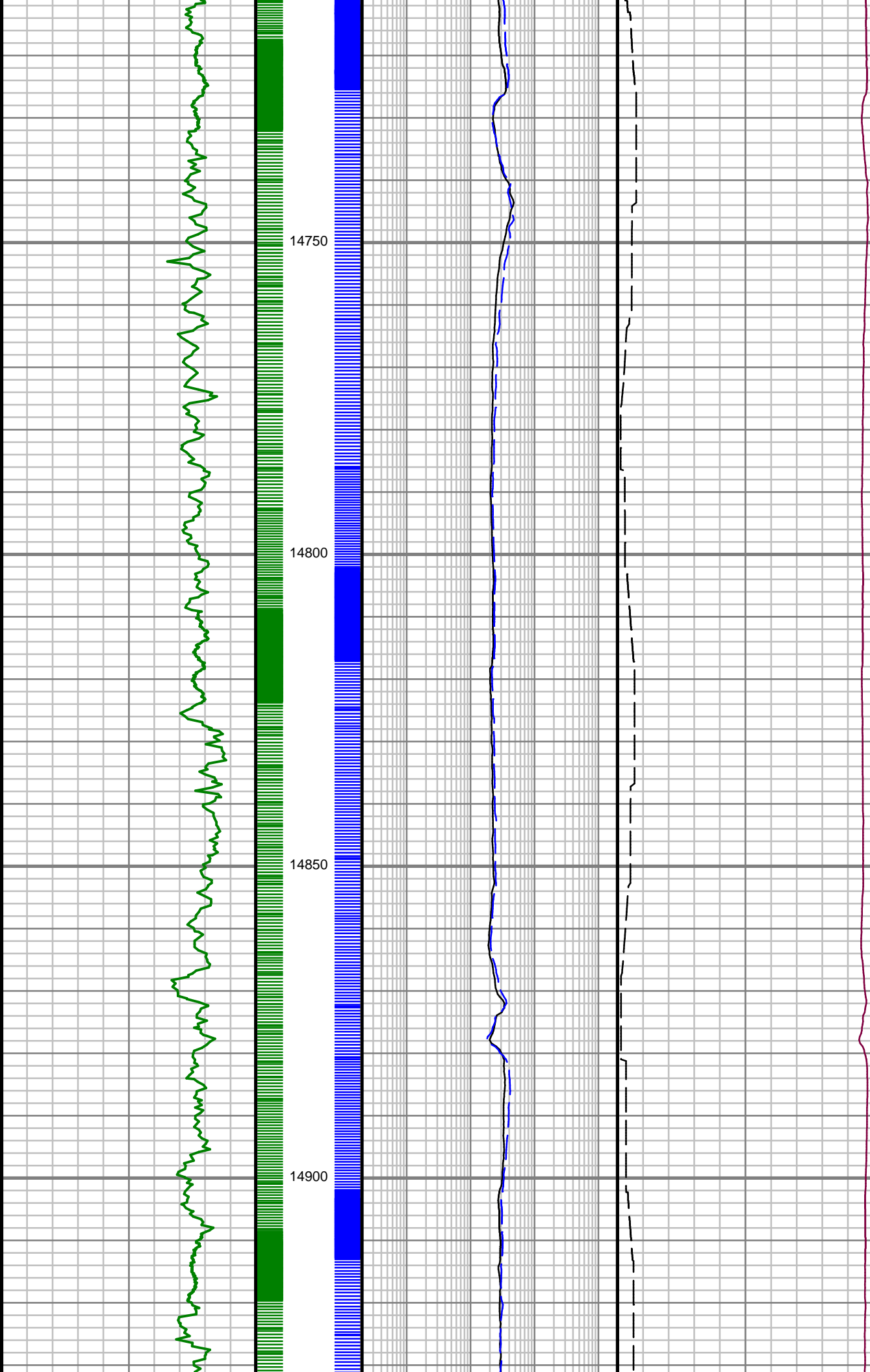
S: 152 MD: 14404.00 ft
Inc: 90.94 deg Az:
269.38 deg TVD:
7061.24 ft



S: 153 MD: 14498.00 ft
Inc: 90.20 deg Az:
269.66 deg TVD:
7060.31 ft

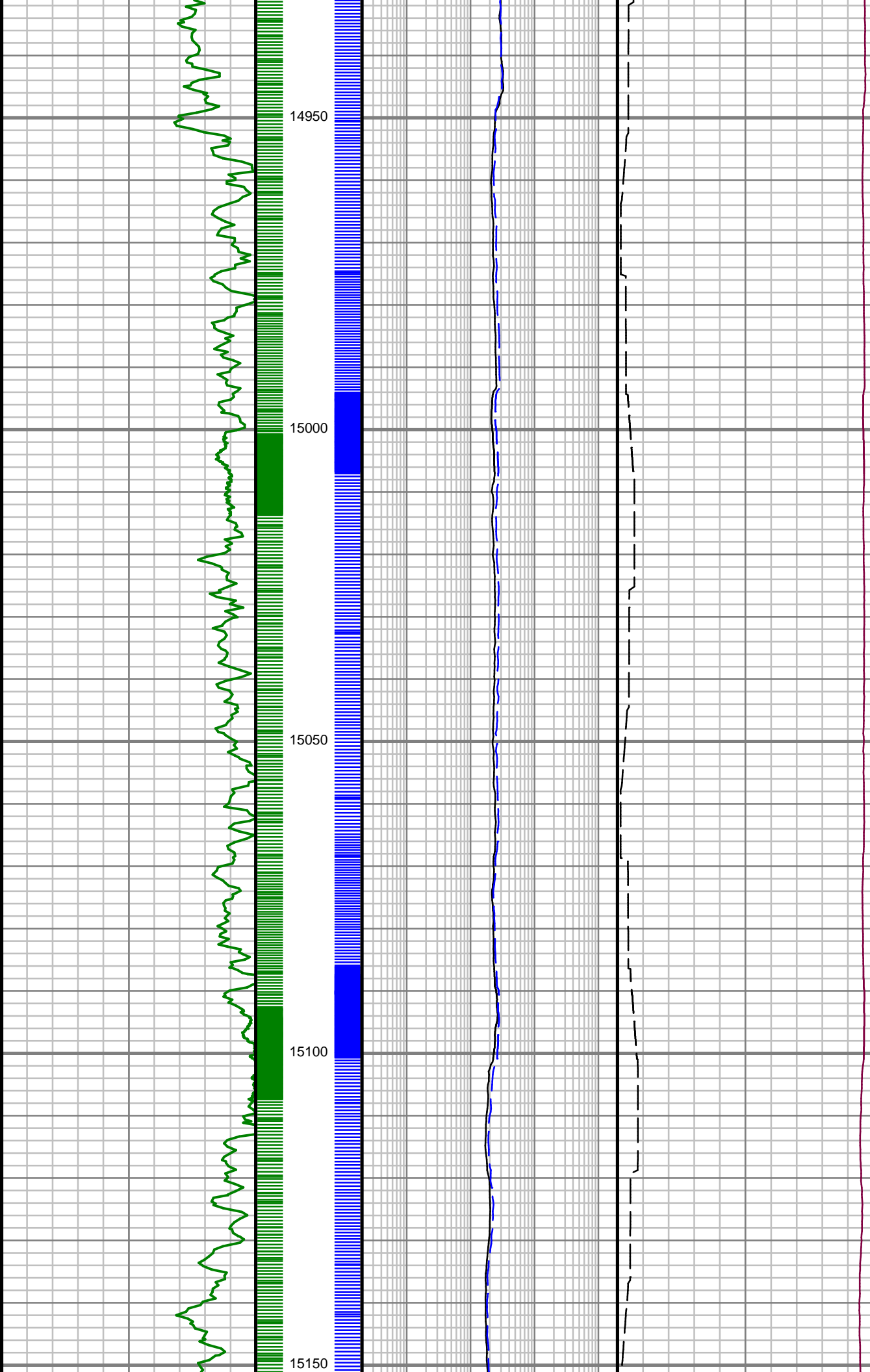
S: 154 MD: 14591.00 ft
Inc: 90.20 deg Az:
269.83 deg TVD:
7059.98 ft

S: 155 MD: 14684.00 ft
Inc: 90.07 deg Az:
270.09 deg TVD:
7059.76 ft



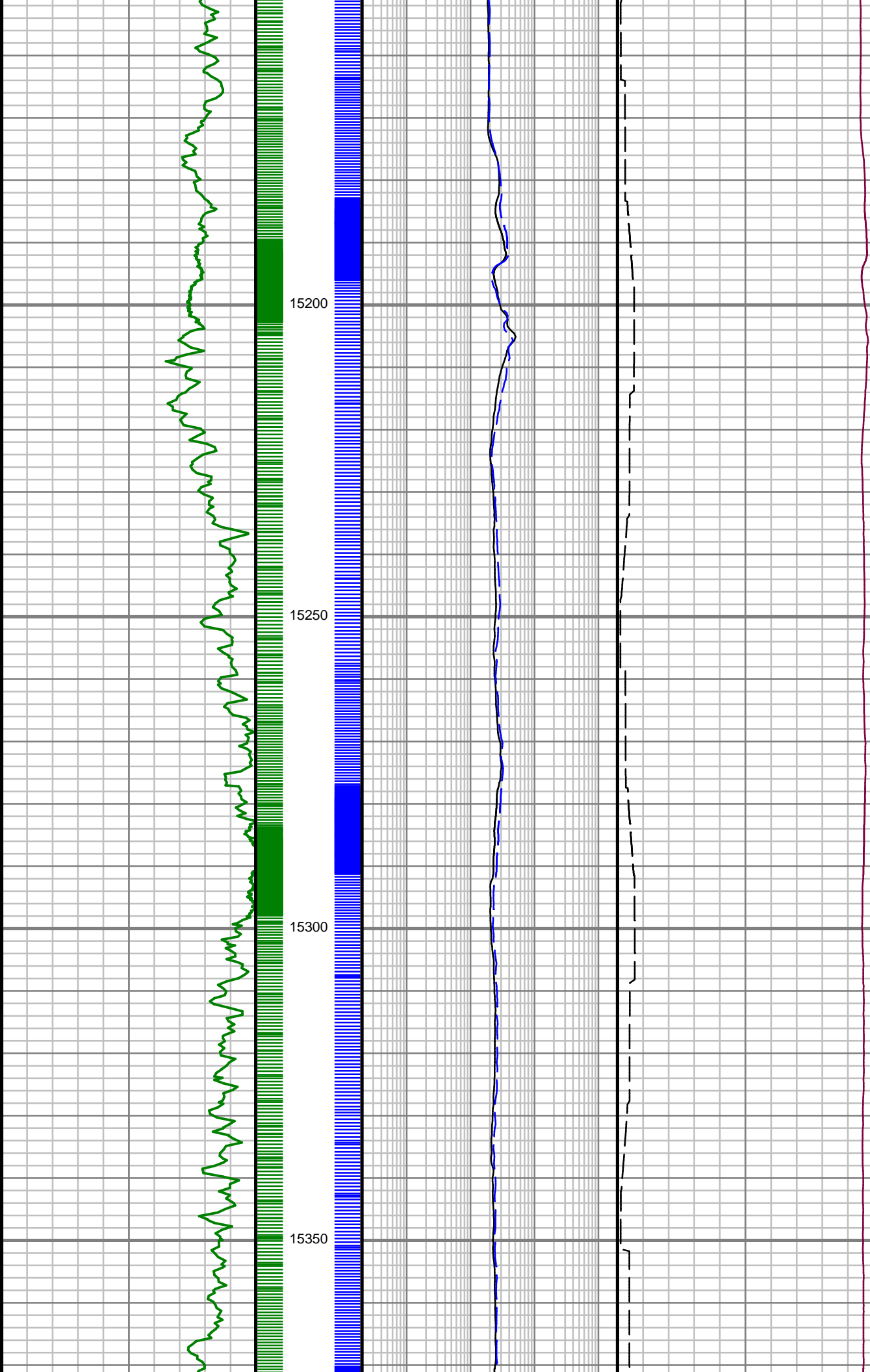
S: 156 MD: 14778.00 ft
Inc: 90.03 deg Az:
270.14 deg TVD:
7059.68 ft

S: 157 MD: 14872.00 ft
Inc: 89.43 deg Az:
270.56 deg TVD:
7060.12 ft



S: 158 MD: 14966.00 ft
Inc: 89.97 deg Az:
269.99 deg TVD:
7060.62 ft

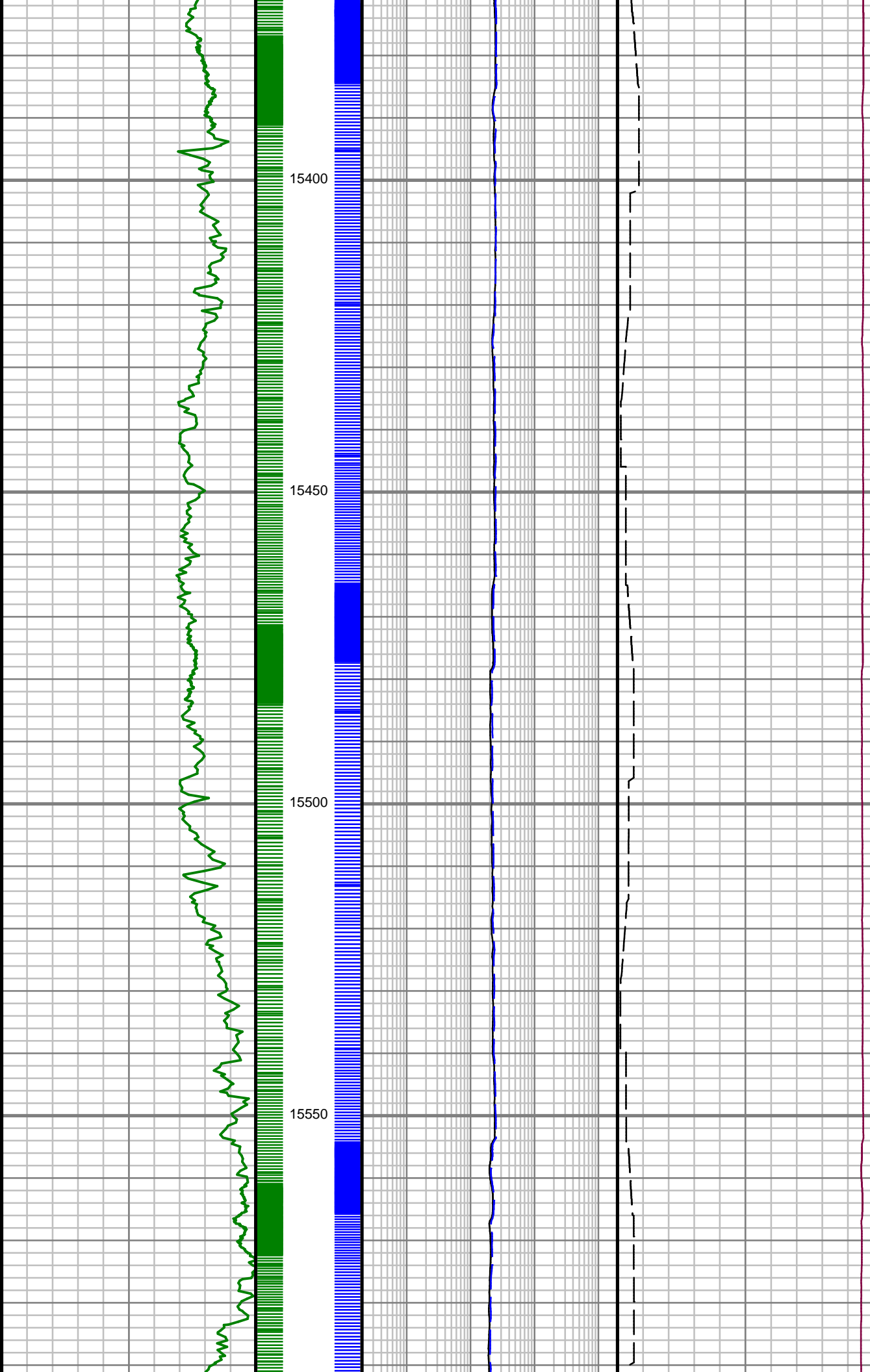
S: 159 MD: 15058.00 ft
Inc: 90.57 deg Az:
270.12 deg TVD:
7060.18 ft



S: 160 MD: 15154.00 ft
Inc: 90.10 deg Az:
269.37 deg TVD:
7059.62 ft

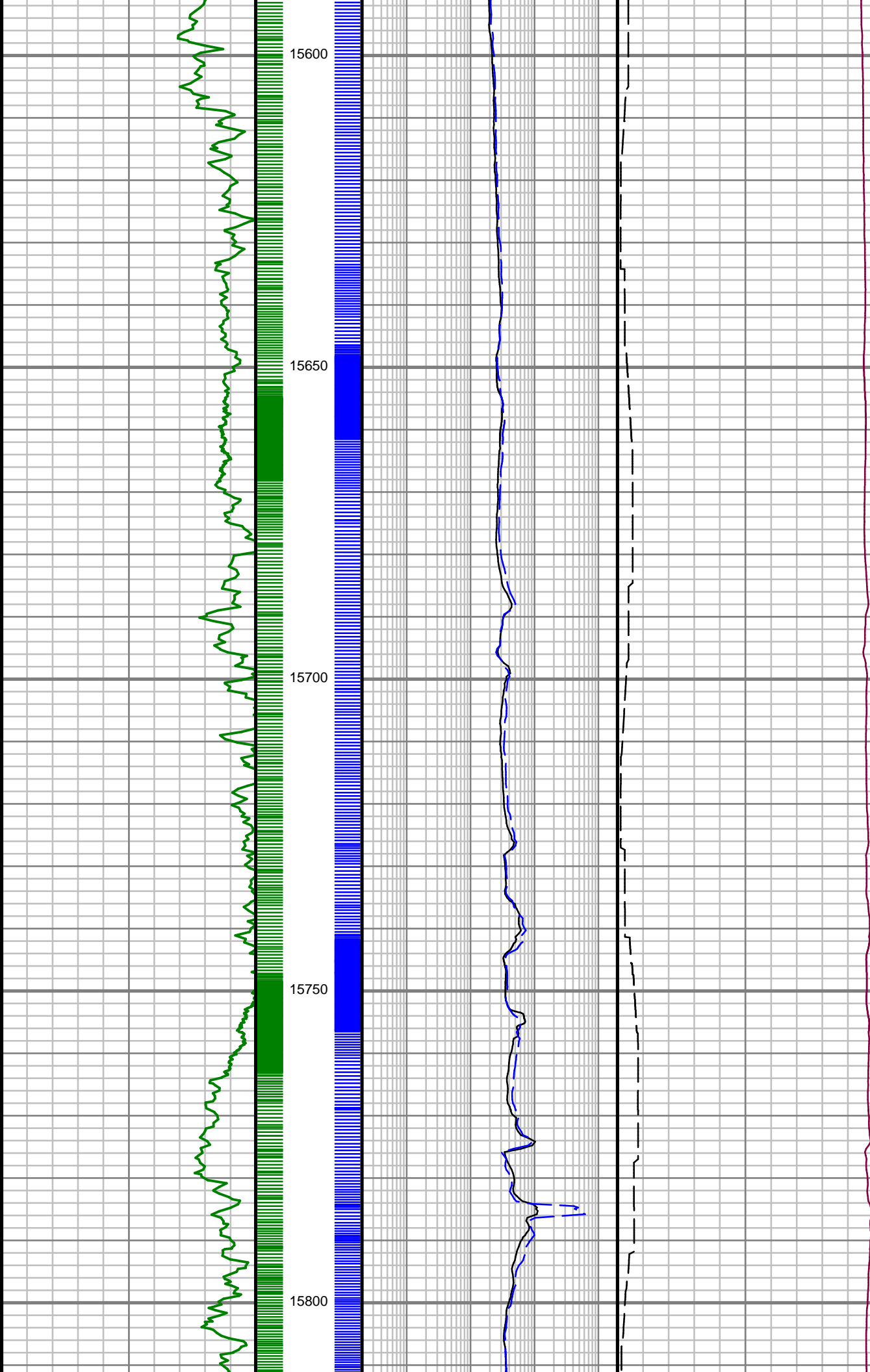
S: 161 MD: 15248.00 ft
Inc: 90.34 deg Az:
269.05 deg TVD:
7059.26 ft

S: 162 MD: 15342.00 ft
Inc: 90.10 deg Az:
268.24 deg TVD:
7058.91 ft



S: 163 MD: 15436.00 ft
Inc: 89.60 deg Az:
267.99 deg TVD:
7059.15 ft

S: 164 MD: 15530.00 ft
Inc: 89.83 deg Az:
268.82 deg TVD:
7059.62 ft



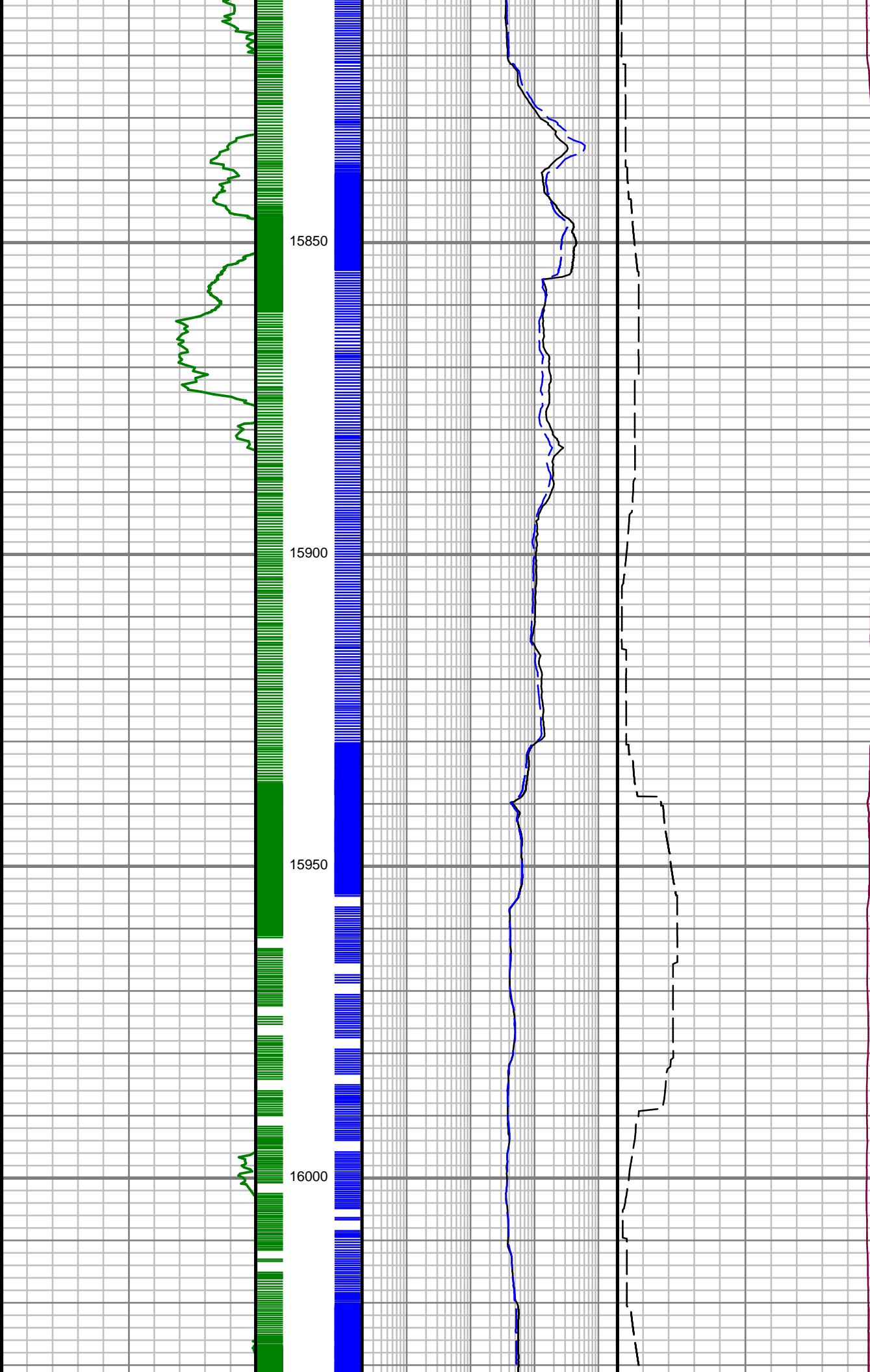
S: 165 MD: 15624.00 ft
Inc: 90.03 deg Az:
268.05 deg TVD:
7059.73 ft

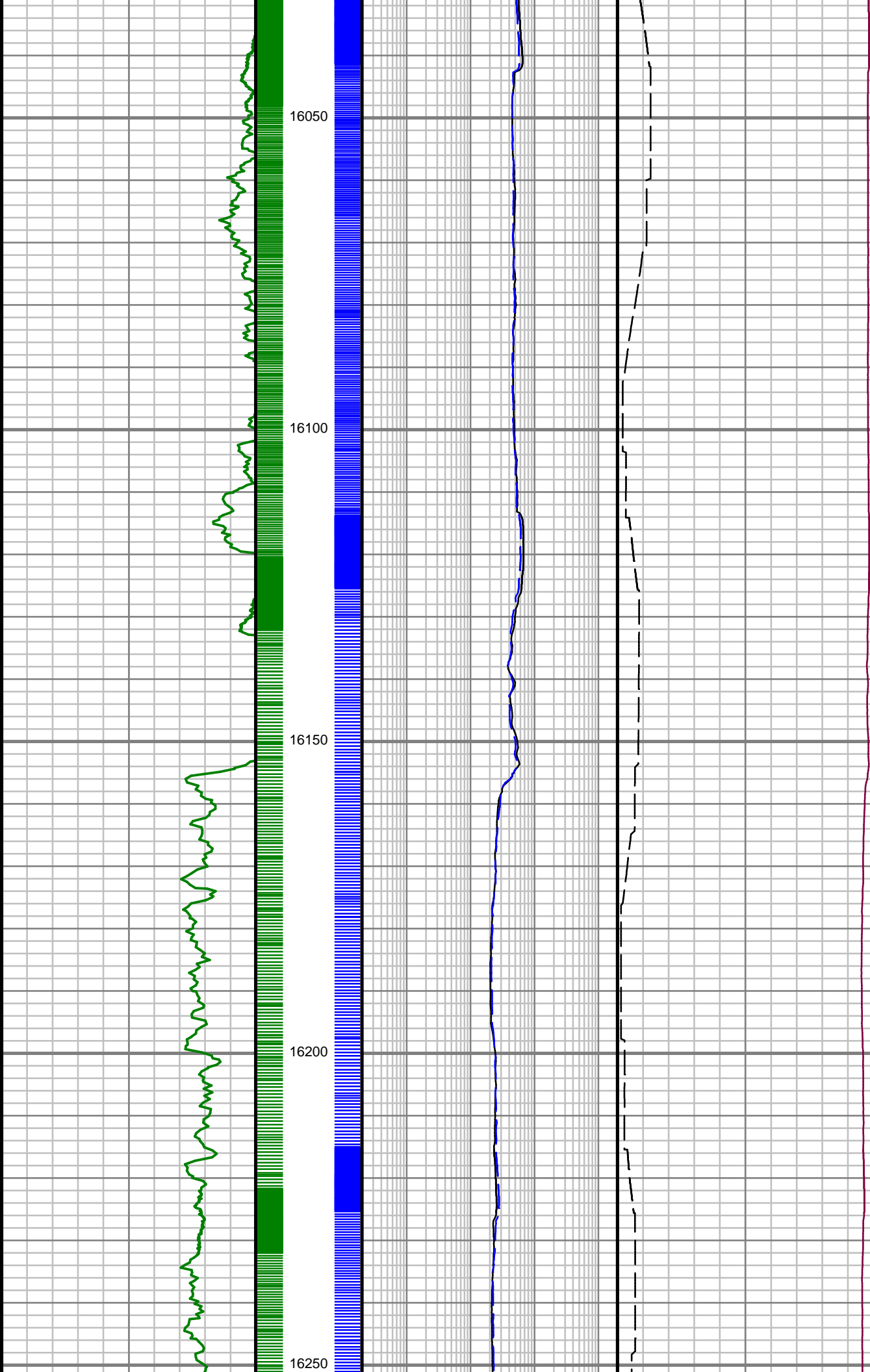
S: 166 MD: 15717.00 ft
Inc: 89.87 deg Az:
268.20 deg TVD:
7059.81 ft

S: 167 MD: 15811.00 ft
Inc: 90.70 deg Az:
268.98 deg TVD:
7059.35 ft

S: 168 MD: 15905.00 ft
Inc: 91.14 deg Az:
269.06 deg TVD:
7057.83 ft

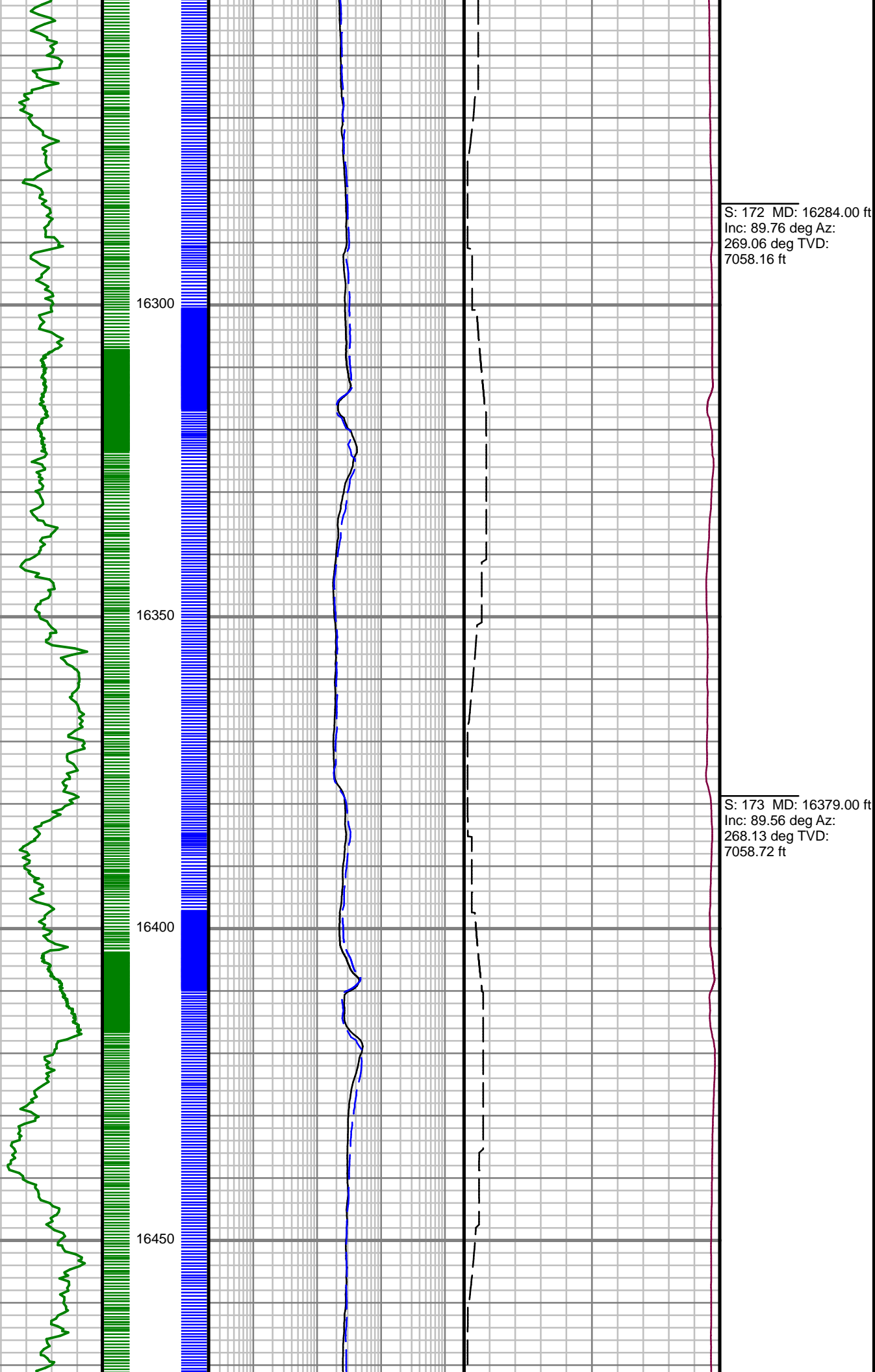
S: 169 MD: 15999.00 ft
Inc: 91.48 deg Az:
268.82 deg TVD:
7055.68 ft





S: 170 MD: 16094.00 ft
Inc: 89.53 deg Az:
267.44 deg TVD:
7054.85 ft

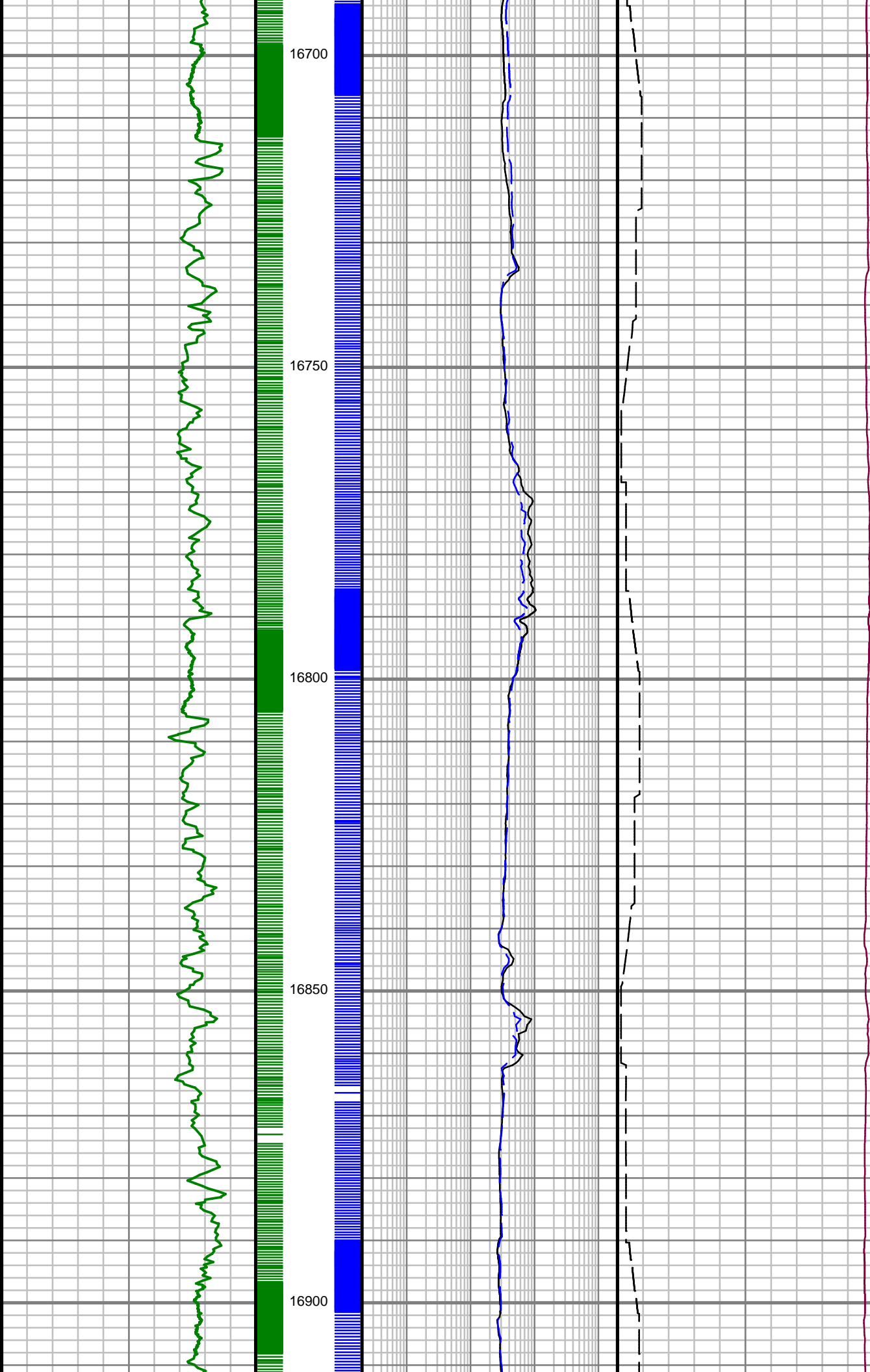
S: 171 MD: 16189.00 ft
Inc: 88.35 deg Az:
268.51 deg TVD:
7056.60 ft



S: 174 MD: 16475.00 ft
Inc: 90.44 deg Az:
268.61 deg TVD:
7058.72 ft

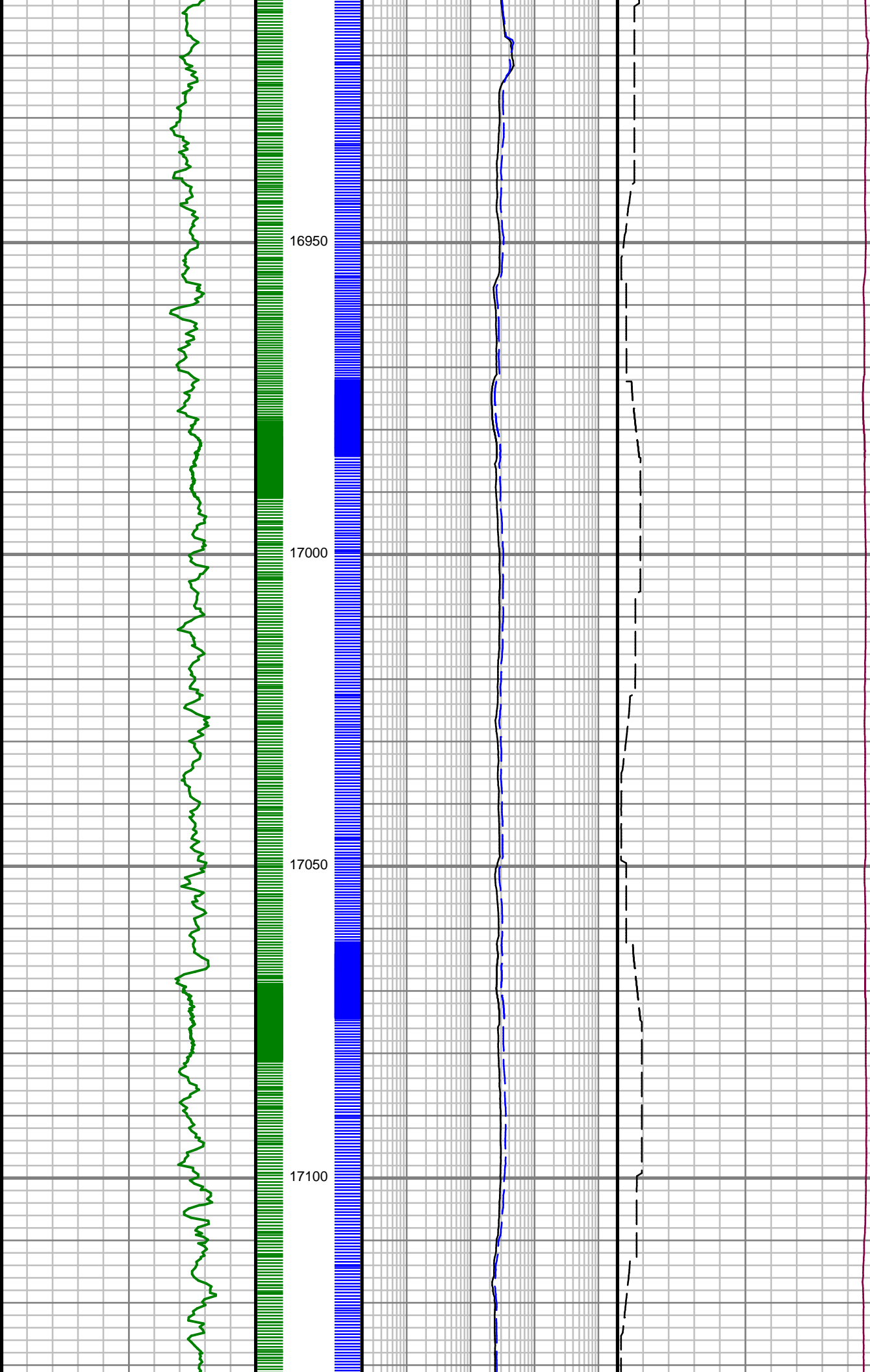
S: 175 MD: 16570.00 ft
Inc: 90.87 deg Az:
268.55 deg TVD:
7057.63 ft

S: 176 MD: 16665.00 ft
Inc: 90.03 deg Az:
268.98 deg TVD:
7056.88 ft



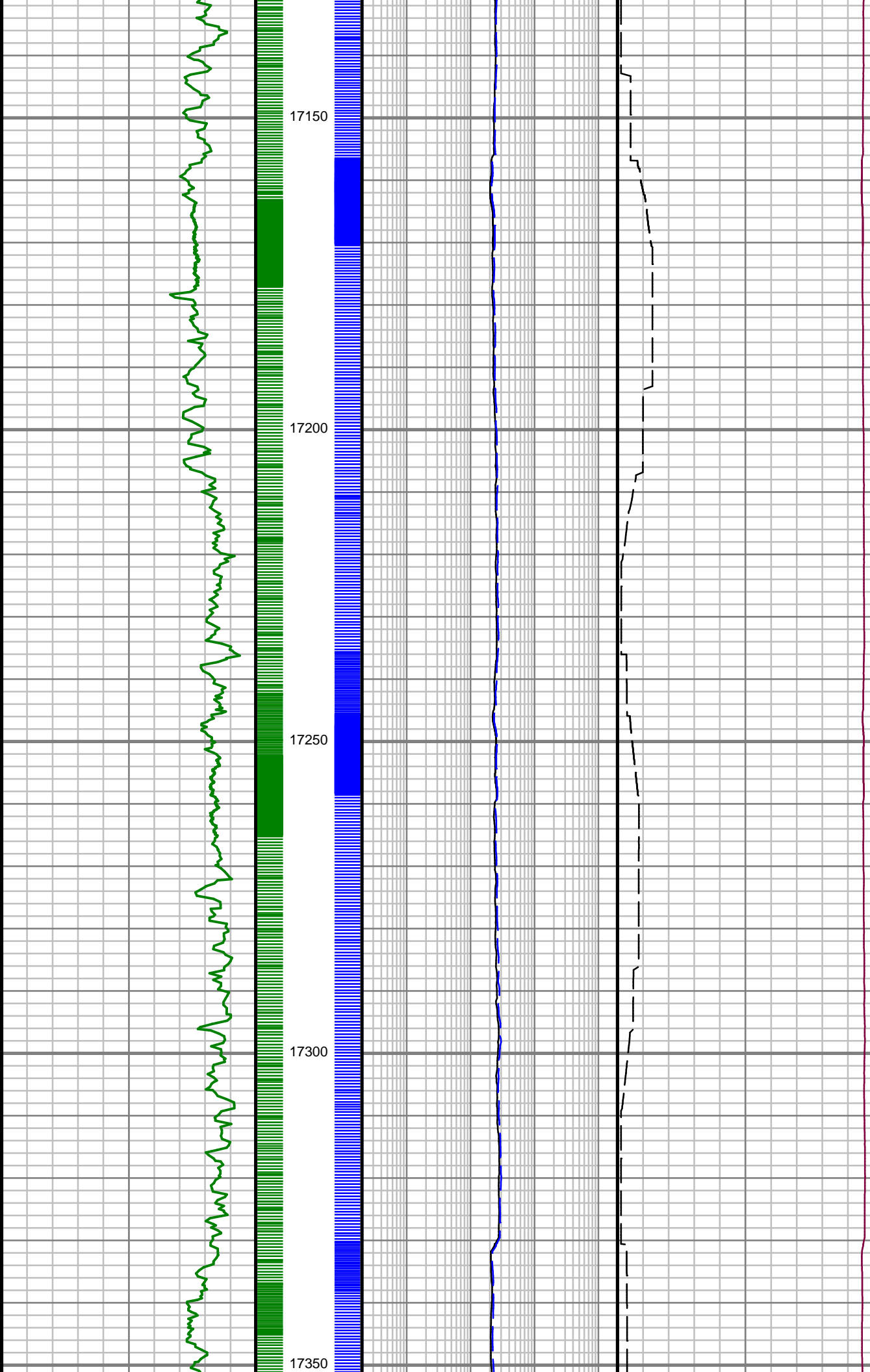
S: 177 MD: 16760.00 ft
Inc: 90.17 deg Az:
269.38 deg TVD:
7056.71 ft

S: 178 MD: 16855.00 ft
Inc: 88.66 deg Az:
268.01 deg TVD:
7057.69 ft



S: 179 MD: 16947.00 ft
Inc: 90.07 deg Az:
268.45 deg TVD:
7058.71 ft

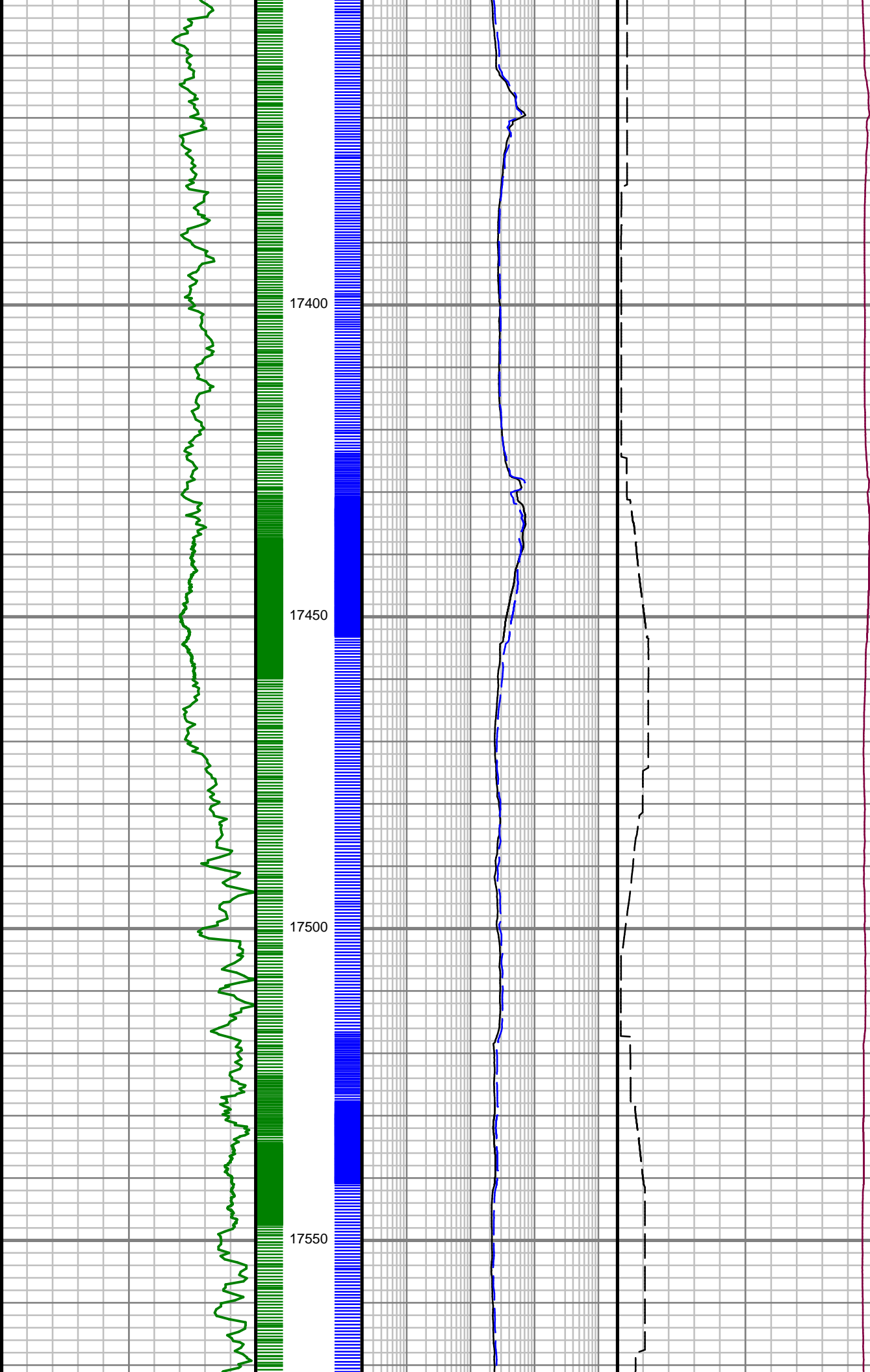
S: 180 MD: 17040.00 ft
Inc: 89.53 deg Az:
269.85 deg TVD:
7059.04 ft



S: 181 MD: 17134.00 ft
Inc: 89.77 deg Az:
270.70 deg TVD:
7059.62 ft

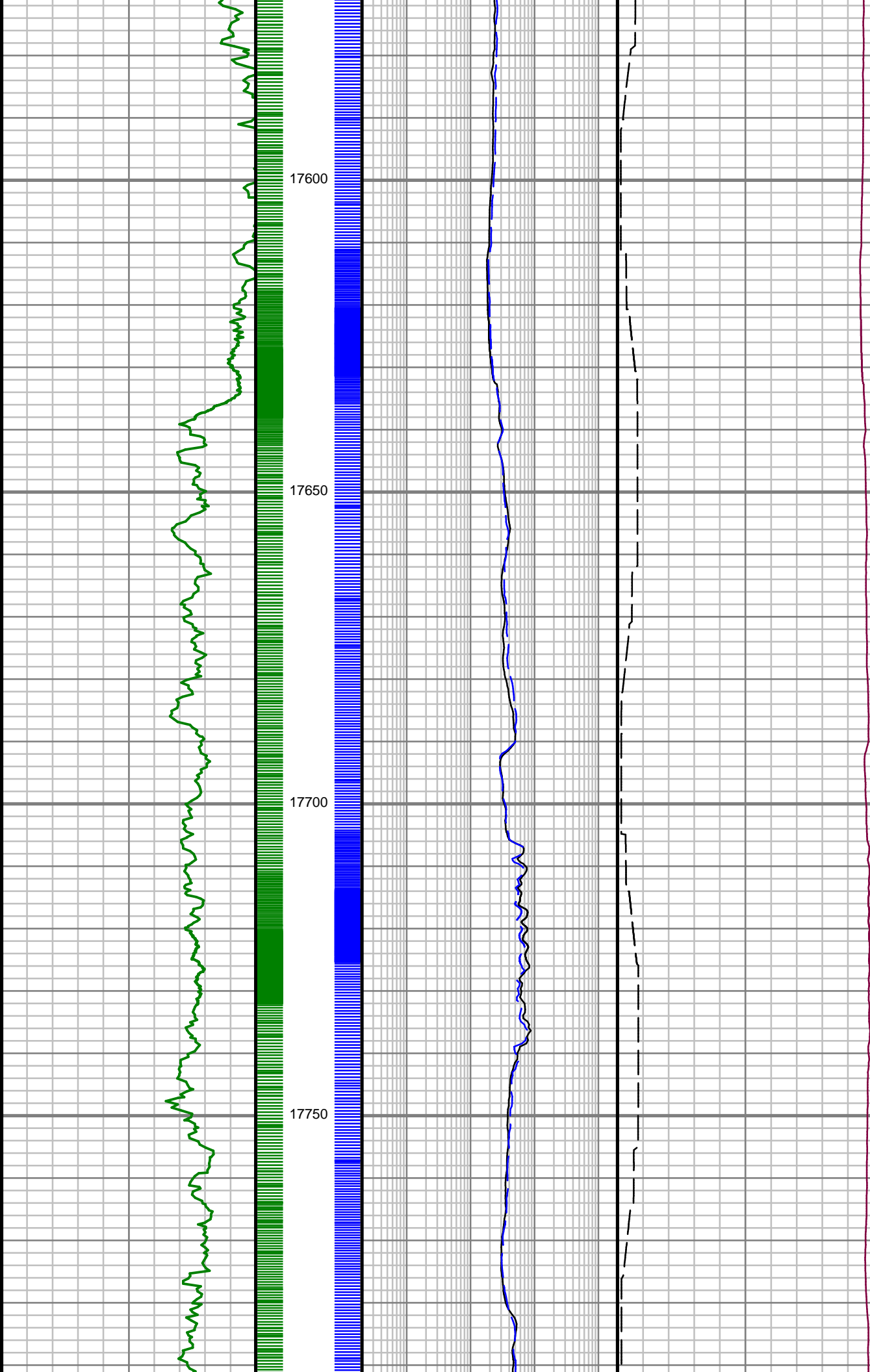
S: 182 MD: 17227.00 ft
Inc: 90.13 deg Az:
271.37 deg TVD:
7059.70 ft

S: 183 MD: 17321.00 ft
Inc: 88.42 deg Az:
269.59 deg TVD:
7060.88 ft



S: 184 MD: 17414.00 ft
Inc: 91.11 deg Az:
269.87 deg TVD:
7061.26 ft

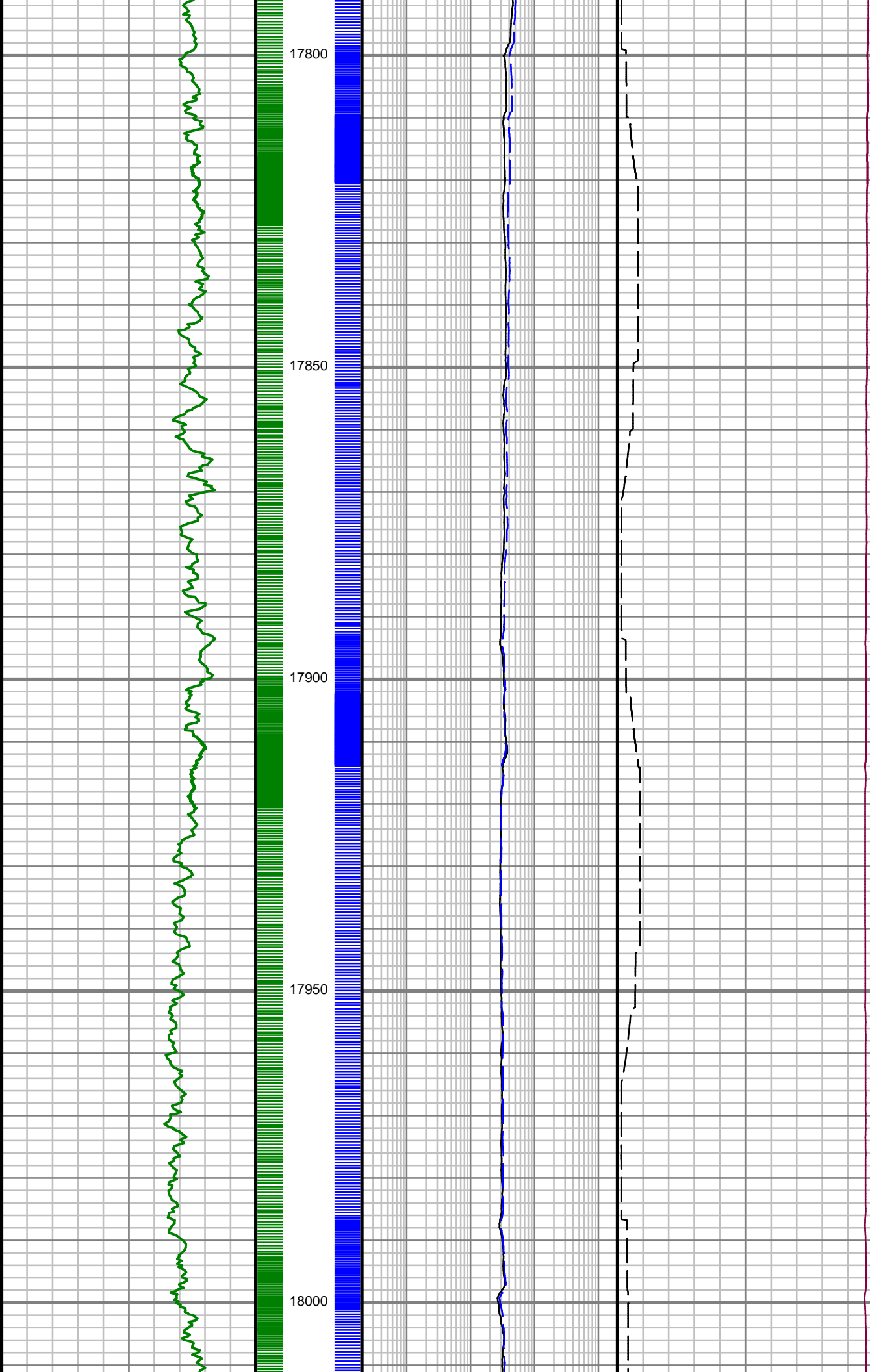
S: 185 MD: 17507.00 ft
Inc: 90.30 deg Az:
269.54 deg TVD:
7060.12 ft



S: 186 MD: 17601.00 ft
Inc: 90.17 deg Az:
269.51 deg TVD:
7059.73 ft

S: 187 MD: 17695.00 ft
Inc: 90.17 deg Az:
269.19 deg TVD:
7059.46 ft

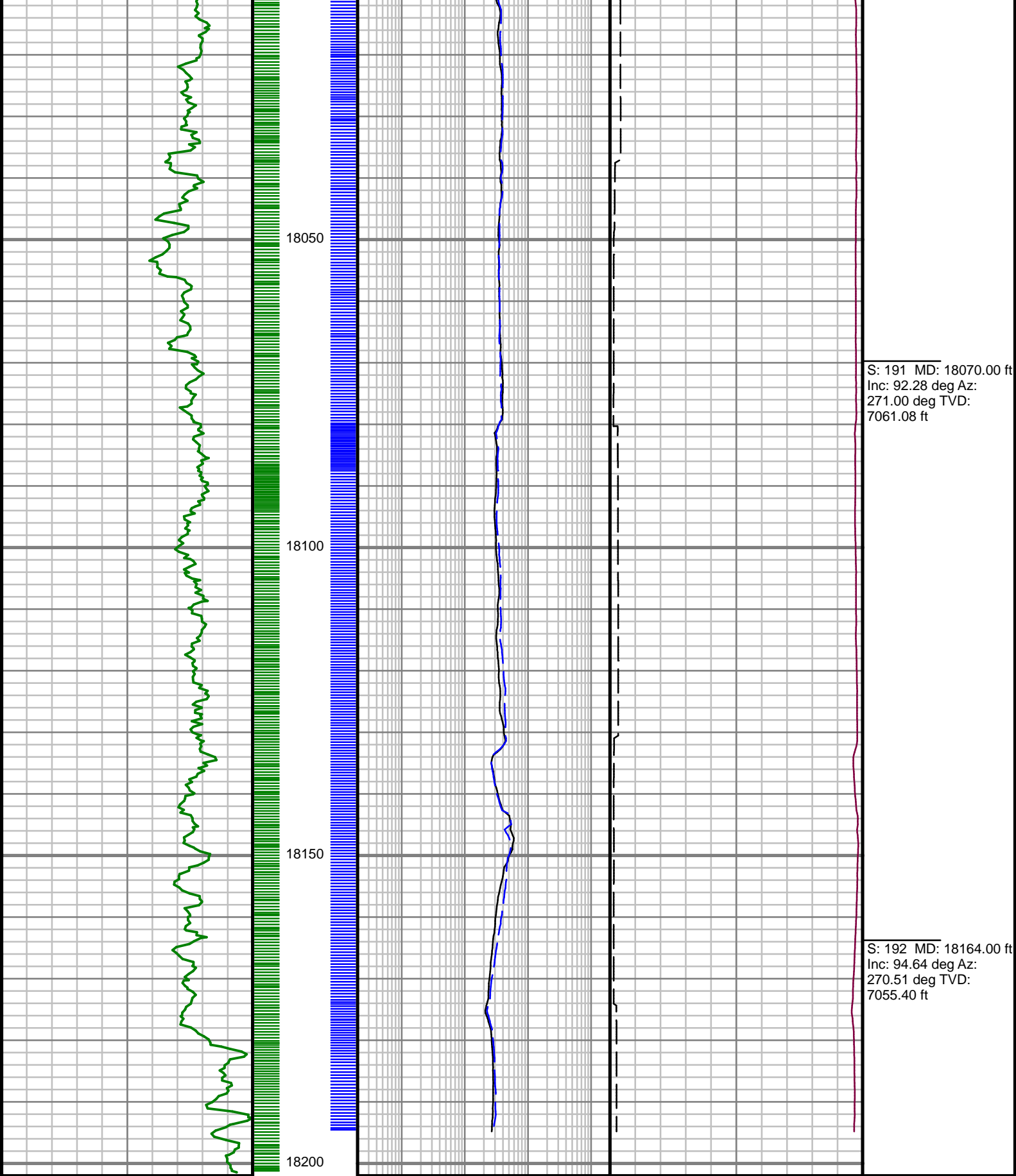
S: 188 MD: 17788.00 ft



Inc: 88.93 deg Az:
268.14 deg TVD:
7060.19 ft

S: 189 MD: 17883.00 ft
Inc: 88.96 deg Az:
268.57 deg TVD:
7061.95 ft

S: 190 MD: 17976.00 ft
Inc: 89.90 deg Az:
270.22 deg TVD:
7062.87 ft



Gamma Ray (GR)		
0	Unit = aapi	150

Phase Shift Resistivity, 33" (PR33)		
0.2	Unit = ohmm	2000
Phase Shift Resistivity, 23" (PR23)		
0.2	Unit = ohmm	2000

Phase Shift Conductivity, 33" (PC33)		
1000	Unit = mS/m	0
FET of Resistivity (FETR)		
0	Unit = hr	10

Comments

CUSTOMER ANADARKO E&P ONSHORE LLC.
PROJECT FOLLEY
FIELD WATTENBERG

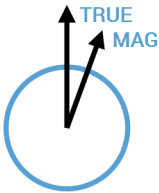
WELL INFORMATION
Lat/Long 40° 24' 6.462" N, 104° 56' 45.924" W
Northing 14,673,052.94 ft
Easting 1,655,425.35 ft
UWI 05069064860000

MAP INFORMATION

North Reference True North
Grid Correction
System Universal Transverse Mercator (US Survey Feet)
Datum North American Datum 1983 (GRS 1980)
Map Zone Zone 13N (108 W to 102 W)

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 269.18°
Calculation Method Minimum Curvature



GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: 999.071 mG [computed]

MD	MODEL	DATE	DECLINATION	MAG TO TRUE
0-1812 ft	ANADARKO MAGVAR	09 Aug 2016	8.44°	add 8.44°
1812-4479 ft	ANADARKO MAGVAR	09 Aug 2016	8.48°	add 8.48°
4479-9497 ft	ANADARKO MAGVAR	09 Aug 2016	8.55°	add 8.55°

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	Invalid
171.00	0.81	200.31	170.99	0.43	-1.13	-0.42	0.47	171.00
265.00	0.72	210.44	264.99	0.98	-2.26	-0.95	0.17	94.00
354.00	0.78	233.91	353.98	1.76	-3.09	-1.72	0.35	89.00
447.00	0.48	303.63	446.97	2.60	-3.25	-2.55	0.82	93.00
541.00	1.34	334.82	540.96	3.38	-2.03	-3.35	1.02	94.00
634.00	3.17	339.25	633.89	4.71	1.35	-4.73	1.97	93.00
729.00	4.83	339.28	728.65	6.96	7.55	-7.07	1.75	95.00
824.00	6.09	338.32	823.22	10.12	15.98	-10.35	1.32	95.00
919.00	7.50	338.85	917.55	14.07	26.45	-14.45	1.49	95.00
1014.00	9.03	337.49	1011.56	18.98	39.12	-19.54	1.62	95.00
1109.00	10.02	333.71	1105.25	25.29	53.41	-26.05	1.23	95.00
1202.00	9.64	329.72	1196.89	32.59	67.39	-33.56	0.84	93.00
1294.00	10.42	326.85	1287.48	40.83	81.01	-42.00	1.01	92.00
1387.00	11.02	325.45	1378.86	50.27	95.37	-51.64	0.70	93.00
1481.00	12.13	324.17	1470.94	60.92	110.78	-62.51	1.22	94.00
1575.00	13.03	324.68	1562.68	72.59	127.44	-74.42	0.97	94.00
1671.00	14.13	324.74	1656.00	85.35	145.84	-87.45	1.14	96.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
1766.00	14.71	326.29	1748.00	98.46	165.34	-100.84	0.73	95.00
1810.00	14.79	327.83	1790.55	104.42	174.74	-106.93	0.92	44.00
1946.00	16.78	328.23	1921.42	123.55	206.14	-126.51	1.46	136.00
2041.00	15.95	328.92	2012.57	137.18	228.97	-140.47	0.90	95.00
2135.00	16.57	329.04	2102.81	150.42	251.52	-154.03	0.66	94.00
2230.00	15.63	329.83	2194.08	163.49	274.20	-167.43	1.01	95.00
2325.00	16.55	331.88	2285.36	175.97	297.20	-180.24	1.14	95.00
2417.00	17.95	335.10	2373.22	187.77	321.62	-192.39	1.84	92.00
2511.00	18.63	333.94	2462.47	200.09	348.25	-205.09	0.82	94.00
2605.00	15.94	334.13	2552.22	211.96	373.36	-217.32	2.87	94.00
2700.00	13.92	333.71	2644.01	222.40	395.34	-228.08	2.12	95.00
2795.00	14.69	335.27	2736.06	232.19	416.53	-238.18	0.91	95.00
2890.00	14.42	336.39	2828.01	241.66	438.32	-247.96	0.41	95.00
2984.00	12.88	335.18	2919.35	250.46	458.56	-257.05	1.67	94.00
3078.00	12.08	335.33	3011.13	258.70	477.00	-265.55	0.85	94.00
3172.00	10.53	335.96	3103.30	266.06	493.79	-273.16	1.65	94.00
3266.00	8.63	337.55	3195.98	272.05	508.16	-279.35	2.04	94.00
3360.00	7.93	327.01	3289.01	278.11	520.12	-285.58	1.78	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
3454.00	6.76	320.48	3382.24	285.02	529.82	-292.63	1.53	94.00
3548.00	5.93	318.33	3475.66	291.65	537.71	-299.37	0.92	94.00
3641.00	6.18	316.14	3568.14	298.21	544.91	-306.04	0.37	93.00
3735.00	5.62	324.94	3661.65	304.25	552.33	-312.19	1.13	94.00
3829.00	3.89	336.80	3755.32	308.05	559.02	-316.09	2.11	94.00
3922.00	1.85	326.41	3848.20	310.07	563.17	-318.16	2.25	93.00
4016.00	2.15	304.87	3942.15	312.32	565.45	-320.45	0.86	94.00
4109.00	2.20	307.57	4035.08	315.14	567.54	-323.30	0.12	93.00
4201.00	1.03	315.90	4127.04	317.10	569.21	-325.28	1.29	92.00
4295.00	0.66	307.70	4221.03	318.10	570.15	-326.29	0.42	94.00
4387.00	0.56	267.87	4313.02	318.97	570.46	-327.16	0.46	92.00
4480.00	0.81	212.00	4406.02	319.77	569.88	-327.96	0.73	93.00
4573.00	1.15	189.88	4499.01	320.30	568.41	-328.47	0.54	93.00
4668.00	1.21	195.60	4593.99	320.76	566.51	-328.90	0.14	95.00
4763.00	1.08	200.01	4688.97	321.37	564.70	-329.48	0.16	95.00
4857.00	1.04	213.75	4782.95	322.17	563.15	-330.26	0.27	94.00
4976.00	0.93	209.76	4901.93	323.27	561.42	-331.34	0.11	119.00
5070.00	0.91	226.34	4995.92	324.20	560.24	-332.26	0.28	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
5166.00	0.83	227.15	5091.91	325.28	559.24	-333.31	0.08	96.00
5260.00	0.85	235.40	5185.90	326.36	558.39	-334.39	0.13	94.00
5354.00	1.23	273.50	5279.89	327.95	558.05	-335.97	0.82	94.00
5448.00	1.39	282.47	5373.86	330.07	558.36	-338.09	0.28	94.00
5543.00	1.12	274.69	5468.84	332.11	558.69	-340.14	0.34	95.00
5636.00	1.20	261.28	5561.82	333.99	558.61	-342.02	0.31	93.00
5729.00	1.82	344.19	5654.80	335.34	559.89	-343.39	2.21	93.00
5824.00	1.41	341.49	5749.76	336.08	562.45	-344.17	0.44	95.00
5916.00	1.08	339.15	5841.74	336.73	564.33	-344.84	0.36	92.00
6010.00	1.37	69.09	5935.72	335.97	565.57	-344.10	1.86	94.00
6103.00	0.92	64.82	6028.70	334.25	566.28	-342.39	0.49	93.00
6196.00	0.75	58.72	6121.69	333.04	566.92	-341.19	0.21	93.00
6290.00	0.67	52.62	6215.68	332.07	567.57	-340.23	0.12	94.00
6383.00	0.69	67.21	6308.68	331.12	568.11	-339.29	0.19	93.00
6477.00	2.95	265.02	6402.64	333.01	568.12	-341.17	3.84	94.00
6571.00	13.46	273.94	6495.55	346.36	568.66	-354.53	11.23	94.00
6666.00	18.53	271.64	6586.85	372.48	569.86	-380.67	5.38	95.00
6760.00	27.62	268.74	6673.24	409.27	569.81	-417.47	9.74	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
6855.00	34.90	269.42	6754.39	458.54	569.05	-466.73	7.67	95.00
6950.00	42.32	272.07	6828.57	517.74	569.93	-525.95	8.00	95.00
7045.00	52.79	269.31	6892.60	587.72	570.64	-595.95	11.22	95.00
7140.00	62.35	273.60	6943.51	667.71	572.83	-675.98	10.75	95.00
7234.00	68.93	273.59	6982.26	753.04	578.19	-761.39	7.00	94.00
7329.00	72.77	273.31	7013.43	842.51	583.59	-850.95	4.05	95.00
7423.00	79.36	273.28	7036.05	933.46	588.83	-941.98	7.02	94.00
7517.00	84.86	272.15	7048.95	1026.36	593.24	-1034.95	5.96	94.00
7611.00	89.06	270.68	7053.94	1120.13	595.55	-1128.77	4.74	94.00
7706.00	91.85	270.23	7053.18	1215.09	596.30	-1223.75	2.97	95.00
7801.00	88.49	269.07	7052.90	1310.07	595.72	-1318.74	3.74	95.00
7895.00	91.31	271.28	7053.07	1404.05	596.01	-1412.72	3.81	94.00
7990.00	91.11	271.34	7051.07	1498.96	598.18	-1507.67	0.22	95.00
8084.00	90.34	272.01	7049.89	1592.86	600.92	-1601.62	1.08	94.00
8177.00	89.76	272.67	7049.80	1685.72	604.71	-1694.55	0.94	93.00
8271.00	89.23	272.30	7050.63	1779.56	608.79	-1788.45	0.69	94.00
8366.00	89.33	270.15	7051.83	1874.48	610.82	-1883.42	2.27	95.00
8460.00	88.19	268.14	7053.86	1968.46	609.41	-1977.38	2.46	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
8554.00	89.63	270.23	7055.65	2062.43	608.08	-2071.35	2.70	94.00
8648.00	90.50	270.93	7055.54	2156.40	609.03	-2165.34	1.19	94.00
8742.00	89.80	271.09	7055.30	2250.35	610.68	-2259.32	0.77	94.00
8836.00	89.83	272.05	7055.60	2344.27	613.26	-2353.29	1.02	94.00
8931.00	89.53	272.85	7056.13	2439.11	617.31	-2448.20	0.90	95.00
9025.00	90.47	273.34	7056.13	2532.89	622.38	-2542.06	1.13	94.00
9120.00	90.34	272.05	7055.46	2627.71	626.85	-2636.95	1.36	95.00
9216.00	89.46	271.85	7055.63	2723.60	630.12	-2732.89	0.93	96.00
9310.00	91.78	273.03	7054.61	2817.43	634.12	-2826.80	2.77	94.00
9405.00	91.38	270.31	7051.99	2912.30	636.88	-2921.71	2.90	95.00
9500.00	91.11	270.63	7049.93	3007.25	637.66	-3016.68	0.44	95.00
9594.00	89.63	271.24	7049.33	3101.20	639.20	-3110.67	1.70	94.00
9689.00	89.46	271.99	7050.08	3196.11	641.89	-3205.62	0.81	95.00
9782.00	89.43	272.35	7050.97	3288.98	645.41	-3298.55	0.39	93.00
9875.00	88.52	270.22	7052.64	3381.90	647.50	-3391.51	2.49	93.00
9969.00	90.24	268.85	7053.66	3475.88	646.73	-3485.49	2.33	94.00
10063.00	90.77	268.89	7052.83	3569.88	644.88	-3579.47	0.57	94.00
10158.00	89.97	269.63	7052.22	3664.87	643.65	-3674.46	1.15	95.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
10253.00	89.60	270.55	7052.58	3759.86	643.80	-3769.46	1.04	95.00
10346.00	88.69	271.02	7053.97	3852.81	645.07	-3862.44	1.10	93.00
10440.00	89.23	271.15	7055.67	3946.74	646.86	-3956.41	0.59	94.00
10535.00	89.09	271.80	7057.06	4041.66	649.30	-4051.36	0.70	95.00
10629.00	90.84	272.23	7057.12	4135.54	652.61	-4145.30	1.91	94.00
10723.00	90.30	271.82	7056.18	4229.42	655.93	-4239.24	0.71	94.00
10816.00	89.29	271.06	7056.51	4322.34	658.27	-4332.21	1.36	93.00
10910.00	89.43	271.05	7057.56	4416.29	660.00	-4426.18	0.14	94.00
11004.00	91.04	270.81	7057.17	4510.24	661.53	-4520.17	1.73	94.00
11099.00	90.00	270.70	7056.31	4605.20	662.78	-4615.15	1.10	95.00
11193.00	90.37	271.88	7056.00	4699.13	664.90	-4709.13	1.31	94.00
11288.00	90.00	270.61	7055.70	4794.07	666.97	-4804.10	1.39	95.00
11383.00	90.74	269.20	7055.08	4889.05	666.81	-4899.10	1.68	95.00
11478.00	90.34	268.89	7054.19	4984.05	665.22	-4994.08	0.53	95.00
11573.00	90.10	268.09	7053.83	5079.04	662.71	-5089.05	0.88	95.00
11666.00	89.29	267.14	7054.32	5172.00	658.84	-5181.96	1.34	93.00
11759.00	90.37	267.87	7054.60	5264.96	654.79	-5274.87	1.40	93.00
11852.00	90.97	267.81	7053.51	5357.93	651.29	-5367.80	0.65	93.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
11945.00	90.13	267.89	7052.61	5450.90	647.80	-5460.73	0.91	93.00
12039.00	90.24	268.45	7052.30	5544.88	644.80	-5554.68	0.61	94.00
12132.00	90.34	269.06	7051.84	5637.88	642.77	-5647.66	0.66	93.00
12227.00	89.83	268.74	7051.70	5732.88	640.95	-5742.64	0.62	95.00
12321.00	89.93	269.62	7051.89	5826.88	639.60	-5836.63	0.94	94.00
12416.00	89.13	270.06	7052.67	5921.86	639.34	-5931.62	0.96	95.00
12511.00	90.64	270.01	7052.87	6016.85	639.40	-6026.62	1.59	95.00
12606.00	90.03	269.21	7052.31	6111.85	638.75	-6121.61	1.06	95.00
12699.00	89.83	268.67	7052.42	6204.84	637.02	-6214.60	0.62	93.00
12794.00	90.34	270.78	7052.28	6299.83	636.56	-6309.59	2.28	95.00
12888.00	89.93	271.37	7052.06	6393.78	638.33	-6403.57	0.77	94.00
12983.00	89.50	271.03	7052.54	6488.72	640.32	-6498.55	0.59	95.00
13078.00	90.91	270.15	7052.20	6583.69	641.30	-6593.54	1.75	95.00
13172.00	90.91	268.05	7050.71	6677.67	639.83	-6687.51	2.23	94.00
13267.00	88.73	267.41	7051.02	6772.63	636.07	-6782.43	2.39	95.00
13360.00	89.93	269.02	7052.11	6865.61	633.18	-6875.38	2.16	93.00
13455.00	89.80	267.98	7052.33	6960.60	630.70	-6970.34	1.11	95.00
13550.00	89.97	267.76	7052.53	7055.58	627.17	-7065.28	0.29	95.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
13645.00	89.13	268.03	7053.28	7150.55	623.69	-7160.21	0.93	95.00
13740.00	88.79	267.60	7055.00	7245.51	620.06	-7255.12	0.58	95.00
13835.00	89.66	268.31	7056.29	7340.47	616.67	-7350.05	1.19	95.00
13930.00	88.99	269.22	7057.40	7435.46	614.63	-7445.02	1.19	95.00
14025.00	88.99	270.01	7059.07	7530.45	613.99	-7540.00	0.83	95.00
14120.00	88.72	269.45	7060.96	7625.42	613.55	-7634.98	0.65	95.00
14215.00	88.86	269.31	7062.97	7720.40	612.52	-7729.96	0.20	95.00
14309.00	91.14	269.27	7062.97	7814.39	611.35	-7823.94	2.43	94.00
14404.00	90.94	269.38	7061.24	7909.38	610.23	-7918.92	0.24	95.00
14498.00	90.20	269.66	7060.31	8003.37	609.44	-8012.91	0.84	94.00
14591.00	90.20	269.83	7059.98	8096.37	609.03	-8105.91	0.18	93.00
14684.00	90.07	270.09	7059.76	8189.36	608.97	-8198.91	0.32	93.00
14778.00	90.03	270.14	7059.68	8283.34	609.16	-8292.91	0.06	94.00
14872.00	89.43	270.56	7060.12	8377.32	609.73	-8386.91	0.78	94.00
14966.00	89.97	269.99	7060.62	8471.30	610.18	-8480.90	0.83	94.00
15058.00	90.57	270.12	7060.18	8563.29	610.27	-8572.90	0.67	92.00
15154.00	90.10	269.37	7059.62	8659.28	609.84	-8668.90	0.92	96.00
15248.00	90.34	269.05	7059.26	8753.28	608.54	-8762.89	0.42	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
15342.00	90.10	268.24	7058.91	8847.28	606.32	-8856.86	0.90	94.00
15436.00	89.60	267.99	7059.15	8941.26	603.22	-8950.81	0.60	94.00
15530.00	89.83	268.82	7059.62	9035.25	600.61	-9044.77	0.92	94.00
15624.00	90.03	268.05	7059.73	9129.24	598.04	-9138.74	0.84	94.00
15717.00	89.87	268.20	7059.81	9222.23	594.99	-9231.69	0.24	93.00
15811.00	90.70	268.98	7059.35	9316.22	592.68	-9325.65	1.21	94.00
15905.00	91.14	269.06	7057.83	9410.20	591.07	-9419.63	0.47	94.00
15999.00	91.48	268.82	7055.68	9504.18	589.33	-9513.59	0.44	94.00
16094.00	89.53	267.44	7054.85	9599.15	586.23	-9608.53	2.51	95.00
16189.00	88.35	268.51	7056.60	9694.11	582.87	-9703.45	1.68	95.00
16284.00	89.76	269.06	7058.16	9789.09	580.86	-9798.41	1.59	95.00
16379.00	89.56	268.13	7058.72	9884.09	578.53	-9893.38	1.00	95.00
16475.00	90.44	268.61	7058.72	9980.08	575.80	-9989.34	1.03	96.00
16570.00	90.87	268.55	7057.63	10075.06	573.44	-10084.30	0.46	95.00
16665.00	90.03	268.98	7056.88	10170.06	571.39	-10179.28	0.99	95.00
16760.00	90.17	269.38	7056.71	10265.06	570.03	-10274.27	0.45	95.00
16855.00	88.66	268.01	7057.69	10360.04	567.86	-10369.23	2.14	95.00
16947.00	90.07	268.45	7058.71	10452.02	565.02	-10461.18	1.61	92.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
17040.00	89.53	269.85	7059.04	10545.02	563.64	-10554.17	1.61	93.00
17134.00	89.77	270.70	7059.62	10639.00	564.09	-10648.16	0.94	94.00
17227.00	90.13	271.37	7059.70	10731.95	565.76	-10741.15	0.82	93.00
17321.00	88.42	269.59	7060.88	10825.91	566.55	-10835.13	2.62	94.00
17414.00	91.11	269.87	7061.26	10918.90	566.11	-10928.12	2.90	93.00
17507.00	90.30	269.54	7060.12	11011.89	565.63	-11021.11	0.94	93.00
17601.00	90.17	269.51	7059.73	11105.88	564.85	-11115.11	0.14	94.00
17695.00	90.17	269.19	7059.46	11199.88	563.78	-11209.10	0.35	94.00
17788.00	88.93	268.14	7060.19	11292.87	561.61	-11302.07	1.75	93.00
17883.00	88.96	268.57	7061.95	11387.85	558.89	-11397.01	0.46	95.00
17976.00	89.90	270.22	7062.87	11480.84	557.90	-11490.00	2.04	93.00
18070.00	92.28	271.00	7061.08	11574.78	558.90	-11583.97	2.67	94.00
18164.00	94.64	270.51	7055.40	11668.57	560.14	-11677.78	2.56	94.00



PROPAGATION RESISTIVITY
GAMMA RAY

5" = 100' FEET MD