



**MD**  
**5":100'**  
**Extraction\_Ensign 147\_Coyote Trails 33W-15-9C**

**Company:** Extraction Oil & Gas  
**Well Name:** Coyote Trails 33W-15-9C  
**API:** 05-123-48253  
**County/Parish:** Weld  
**State:** Colorado  
**Country:** USA  
**Job number:** 00217EX-CO  
**Field:** Wattenberg  
**Rig Id:** Ensign #147  
**Survey Company:** Atlas Drilling Services  
**Day MWD:** Brandon Snyder  
**Night MWD:** Byron Brockman

**Log measurements:** Gamma  
**Depth measured from:** DF ft  
**Maximum temperature:** 265.1  
**Depth**  
**Start:** 1,650' ft  
**End:** 16,387' ft  
**Date**  
**07/02/2019**  
**07/05/2019**

**Casing**  
**Depth**  
**Size**  
**Surface:** 1,609 ft 9.625"  
**Intermediate:**  
**Mud Type:** OBM  
**Density:** 9.9  
**Viscosity:** 55  
**Rm:**  
**Rmf:**  
**Rmc:**  
**Elevations**  
**KB:** 28'  
**GL:** 5,274'  
**DF:** 5,302'

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	8.5"	38.44 ft	64.00 ft	1,650 ft	16,387 ft	07/02/2019 00:20	07/05/2019 13:16
2							
3							
4							
5							
6							
7							
8							
9							
10							

Float:1,609' Shoe:1,650' KOP:8,211' LP:9,286' TD:16,387'

Atlas Drilling Services uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

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1680

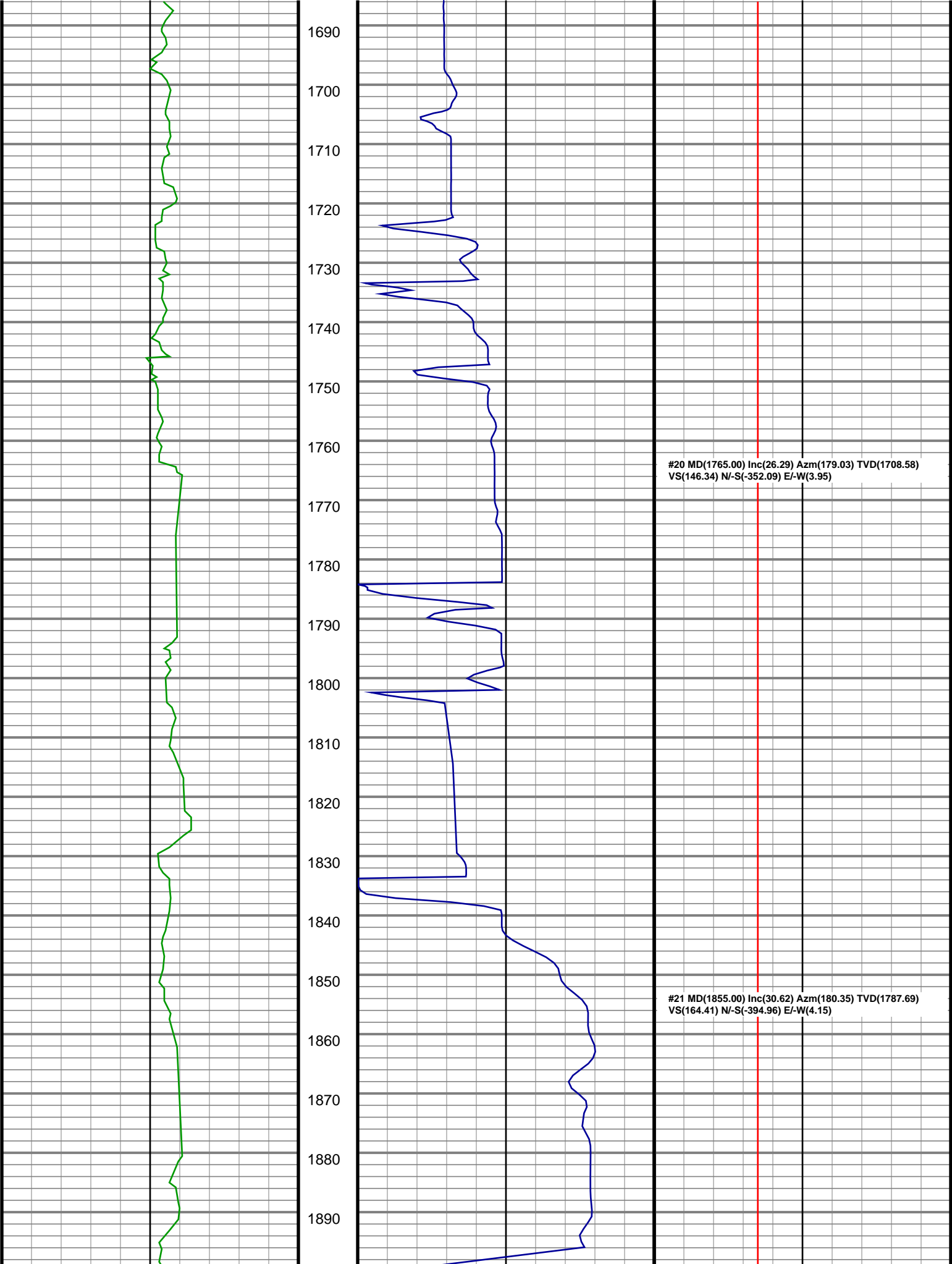
**ROP**  
ft/hr

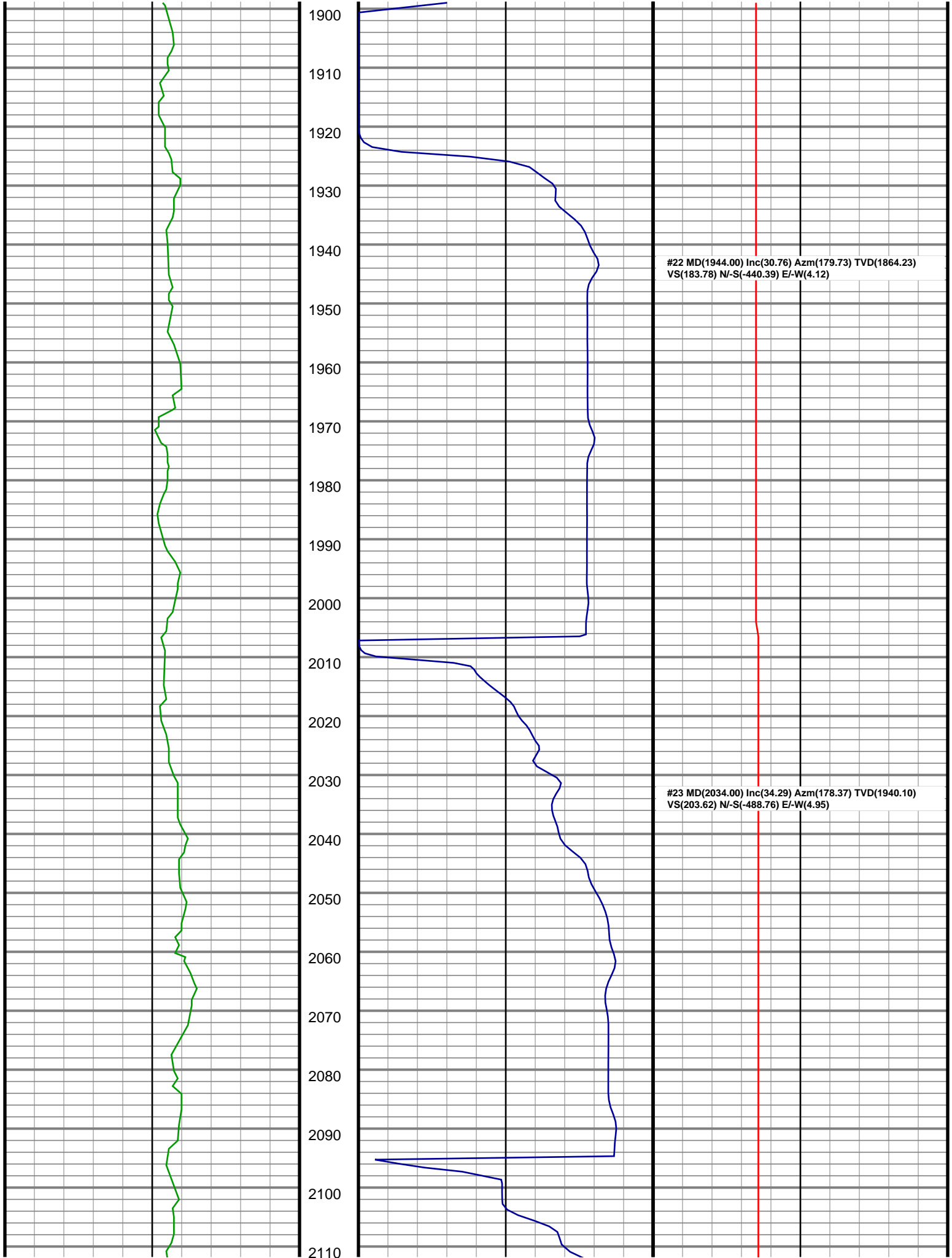
0 1000 2000

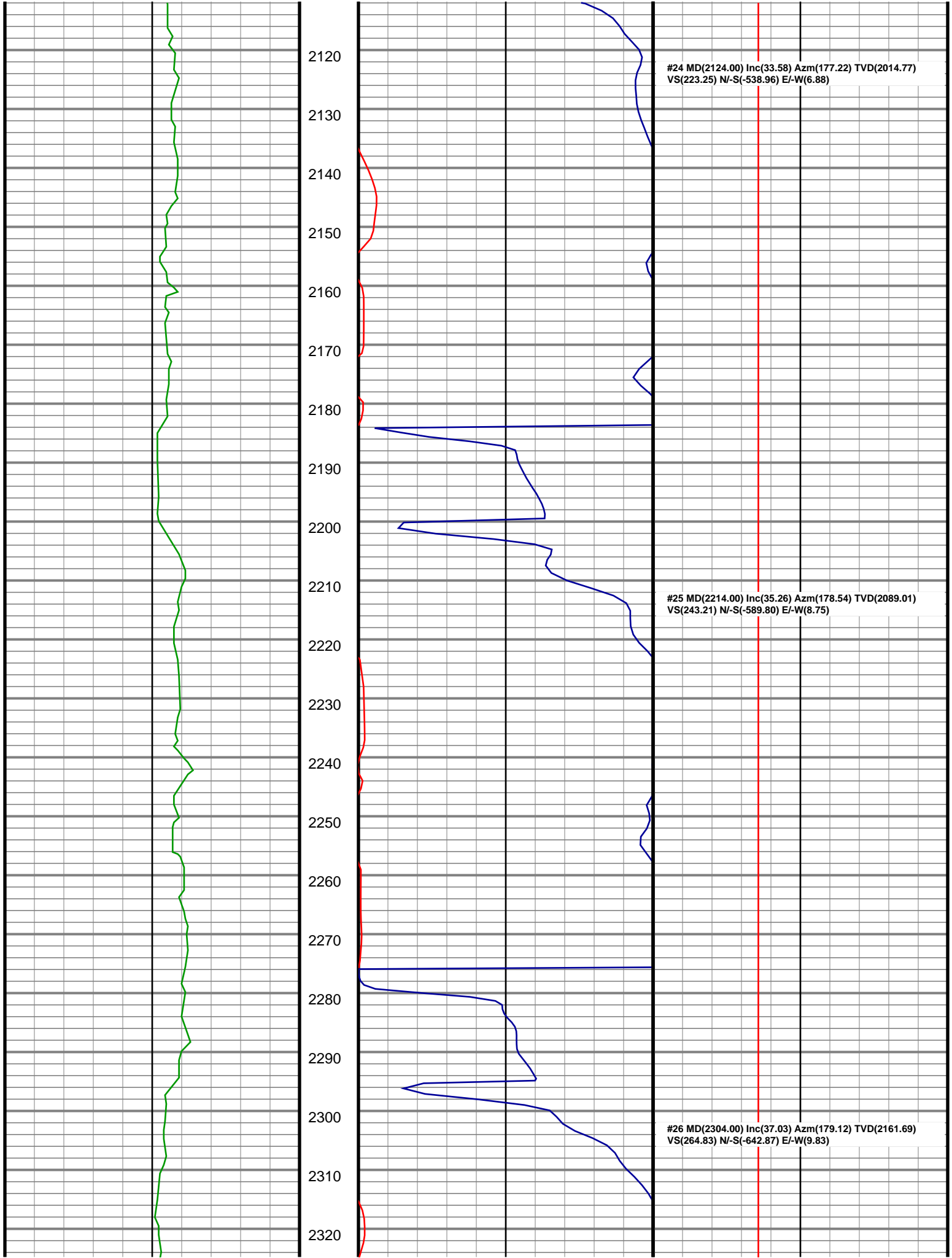
**Temperature**  
degF

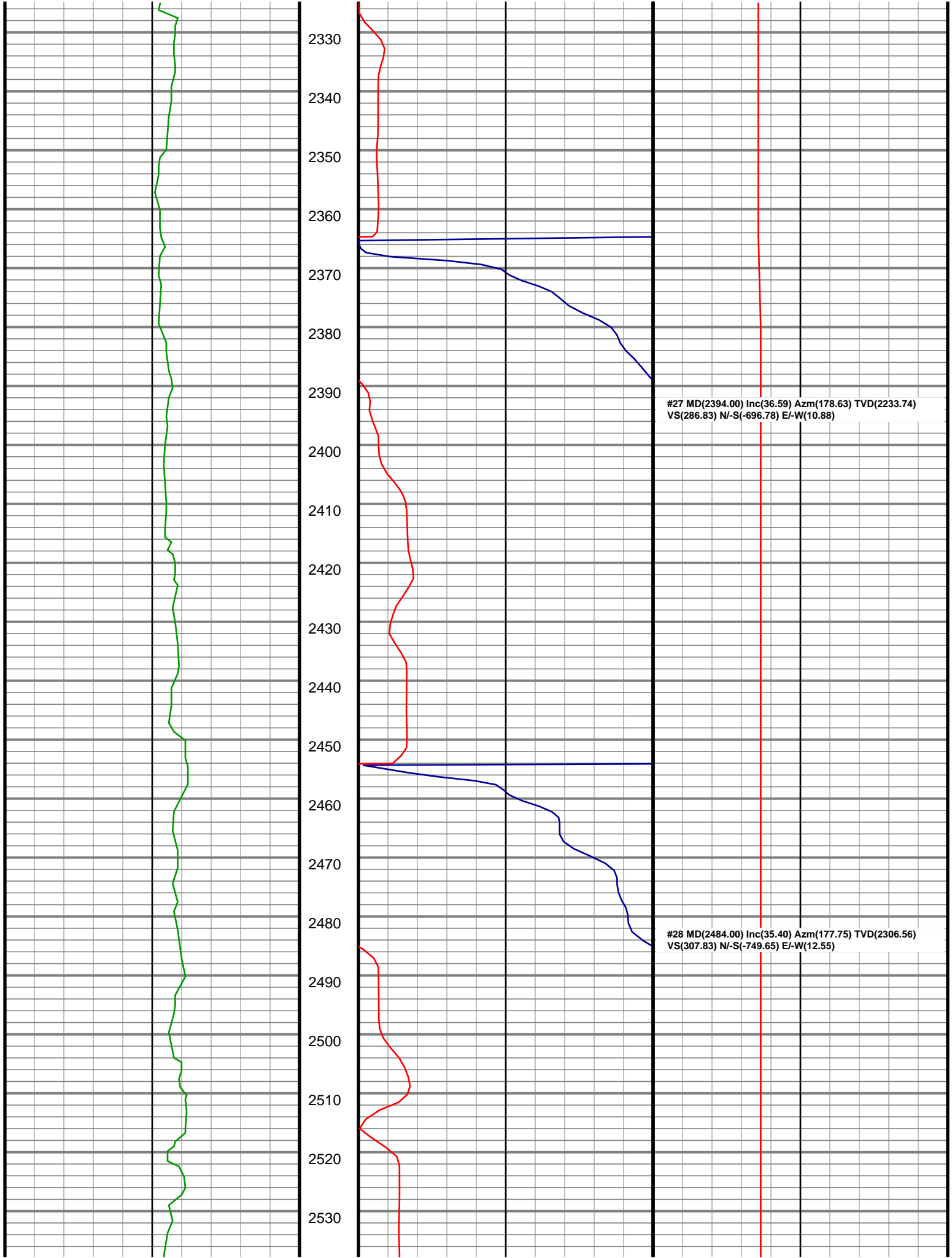
0 300

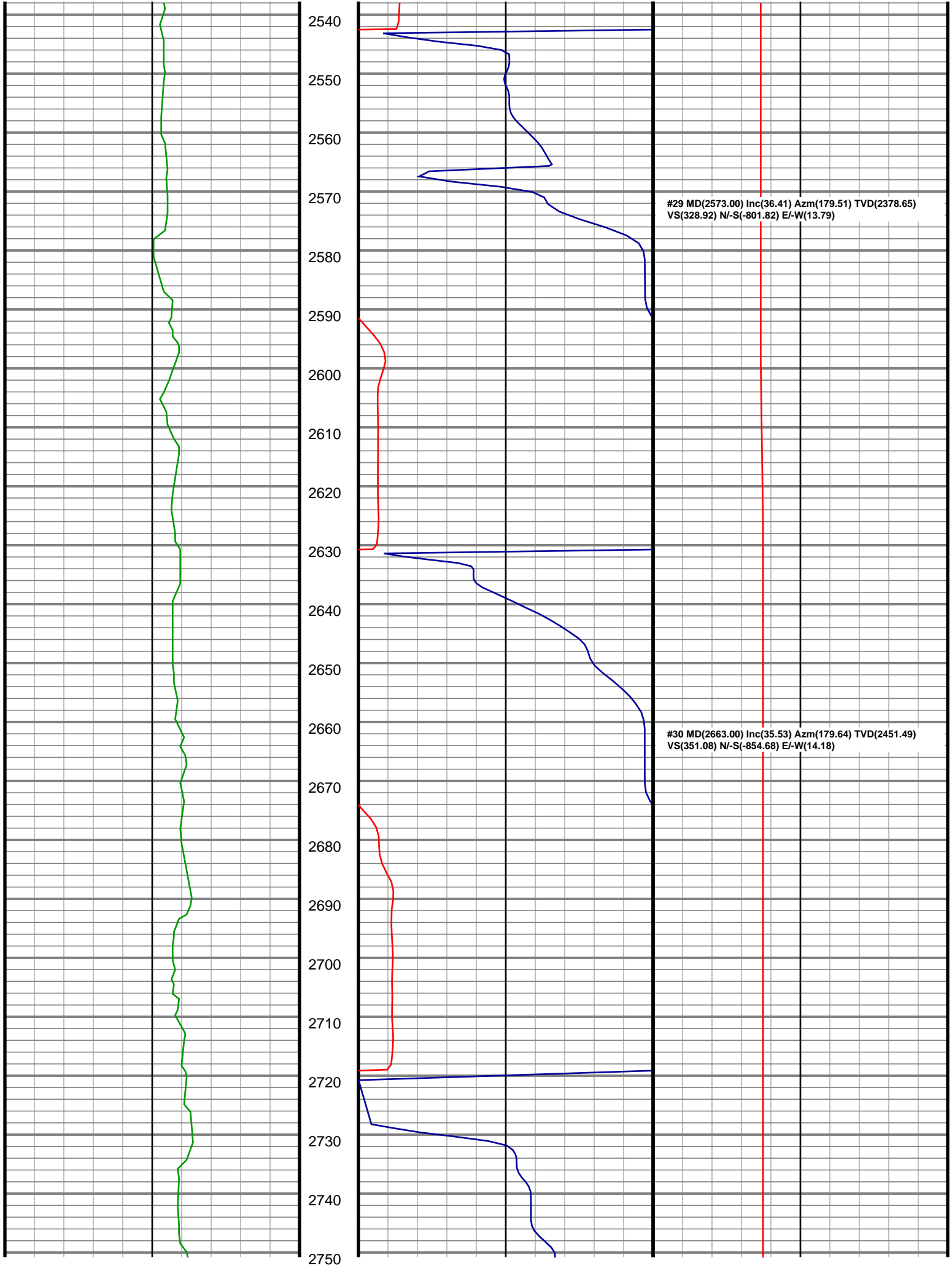
#19 MD(1675.00) Inc(26.51) Azm(178.41) TVD(1627.97)  
VS(130.11) N-S(-312.09) E-W(3.06)

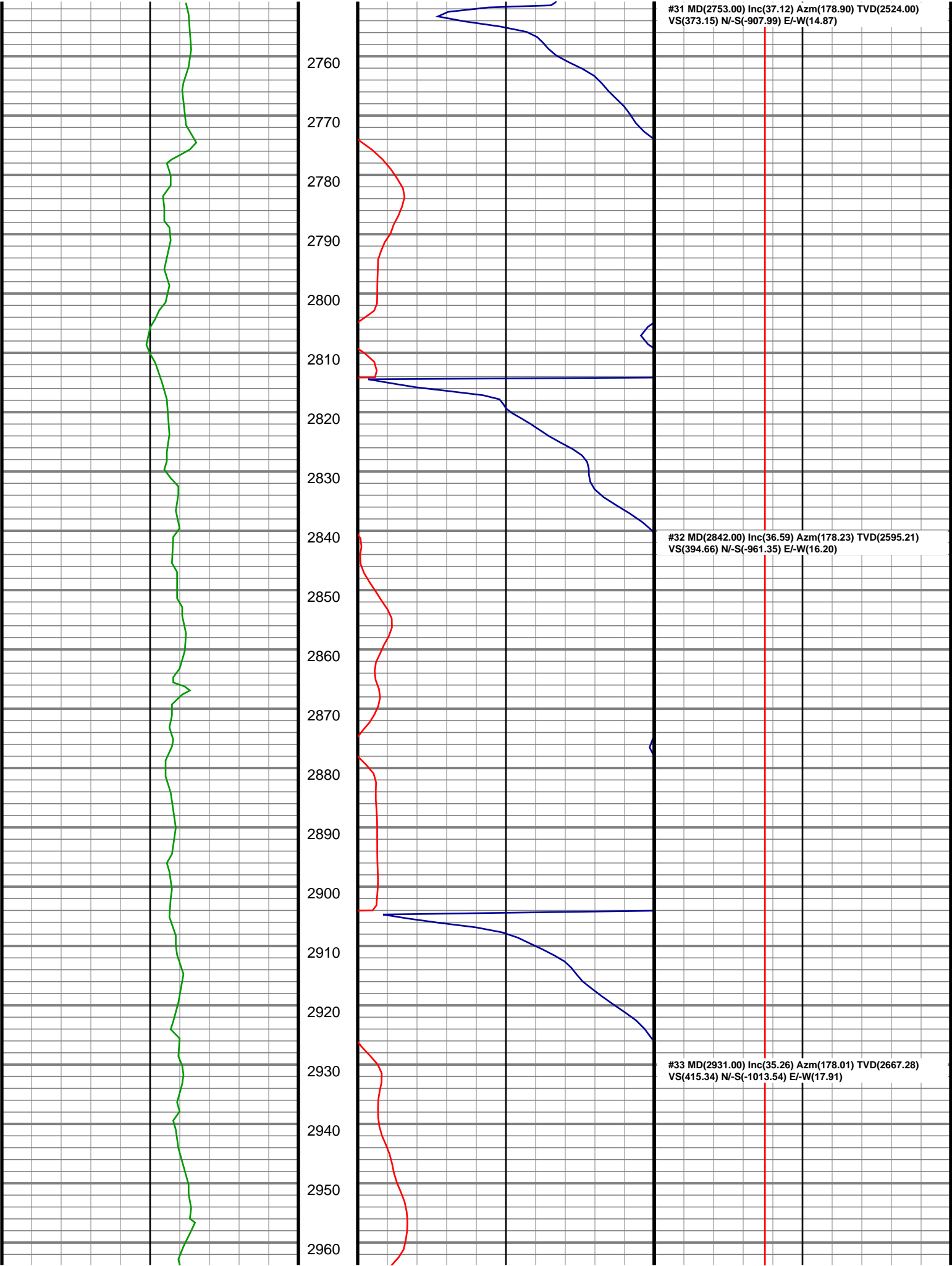


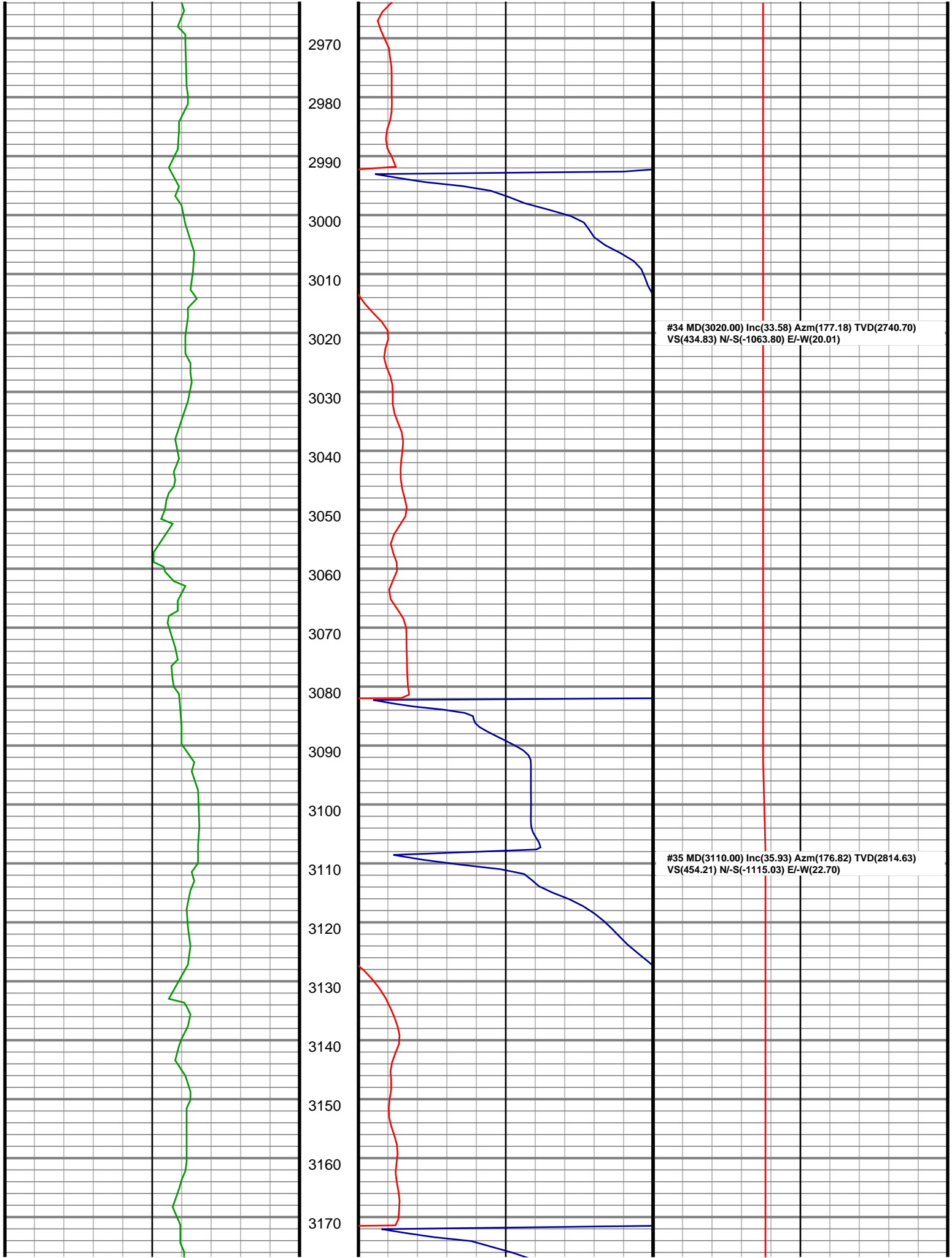




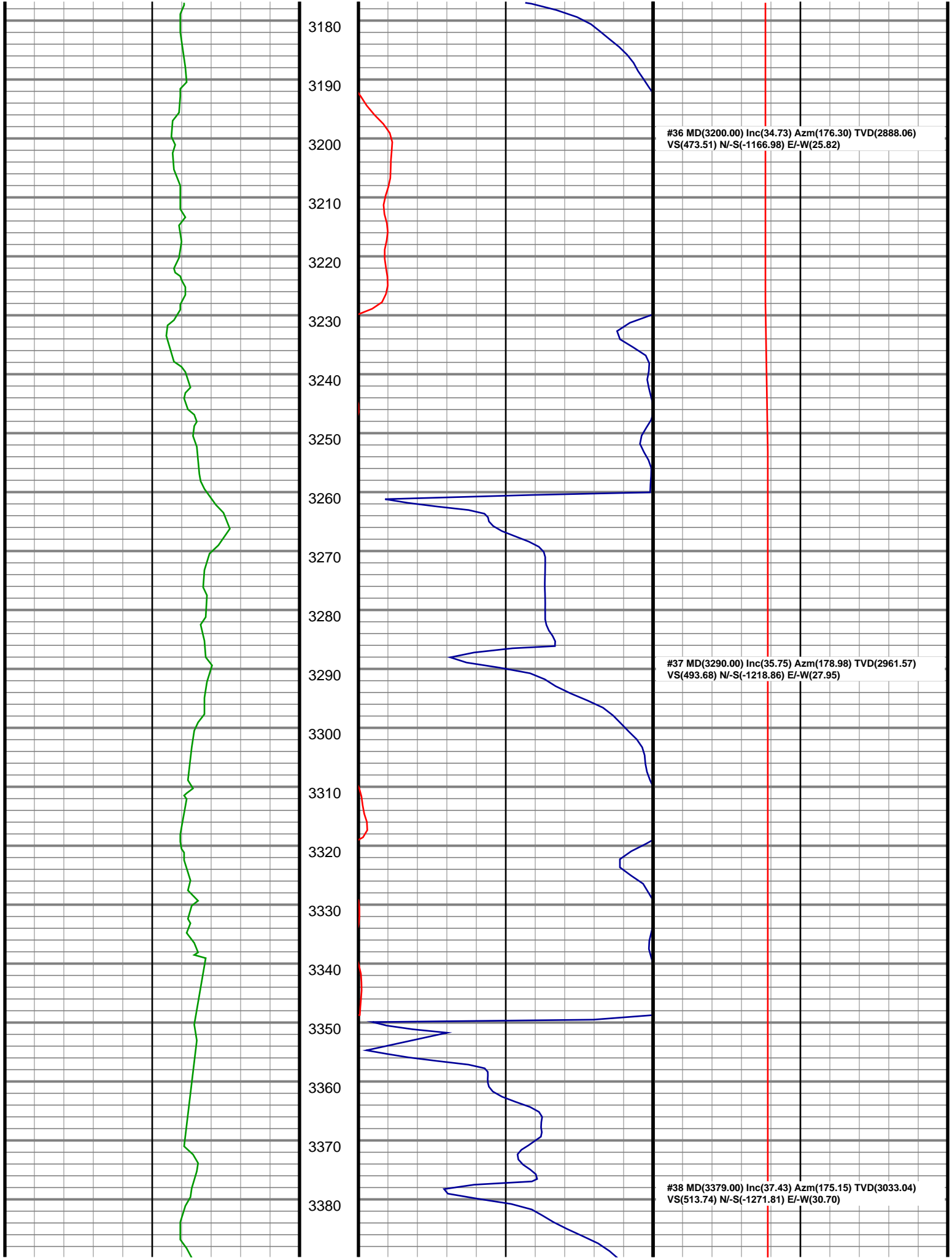


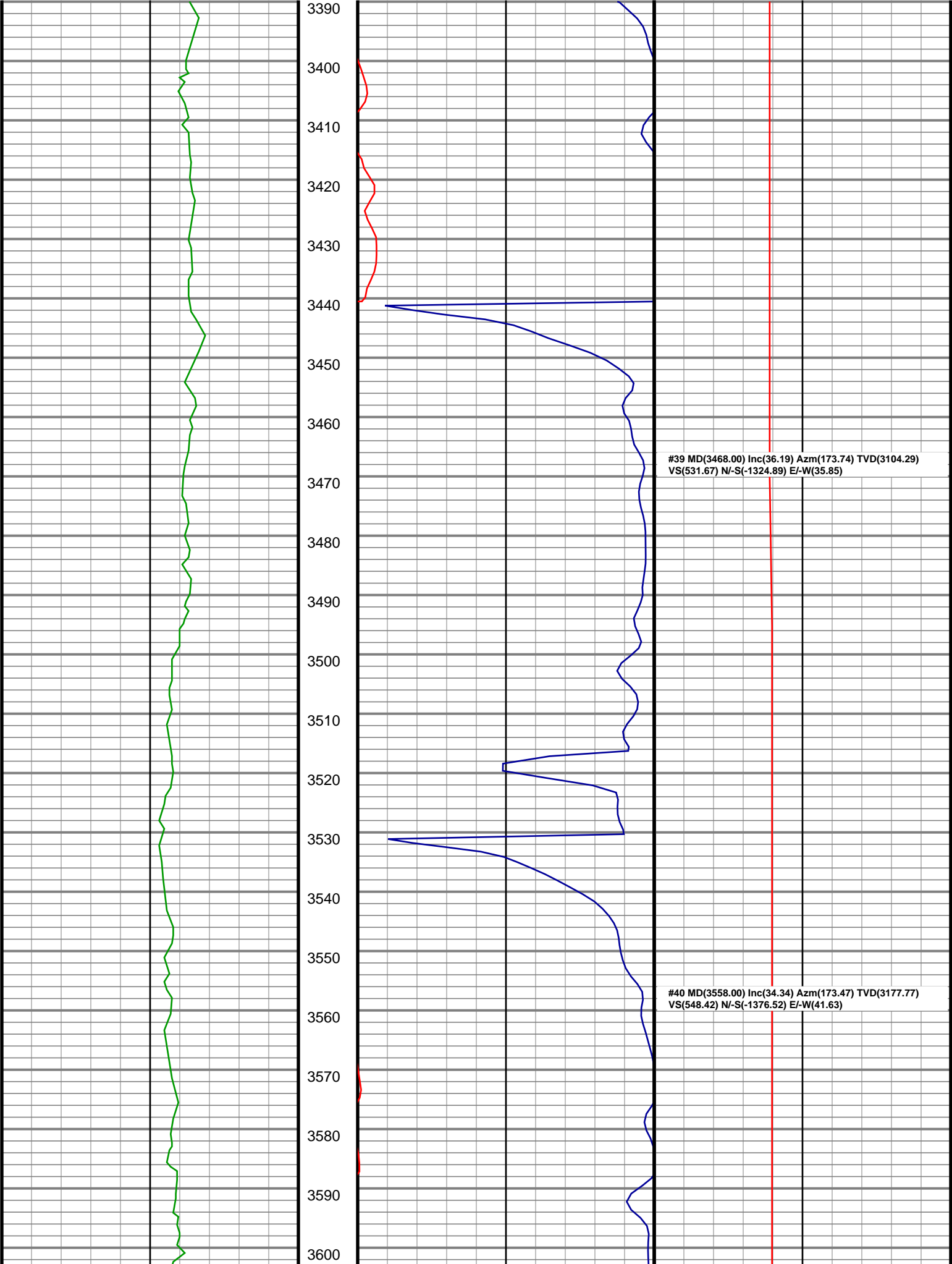


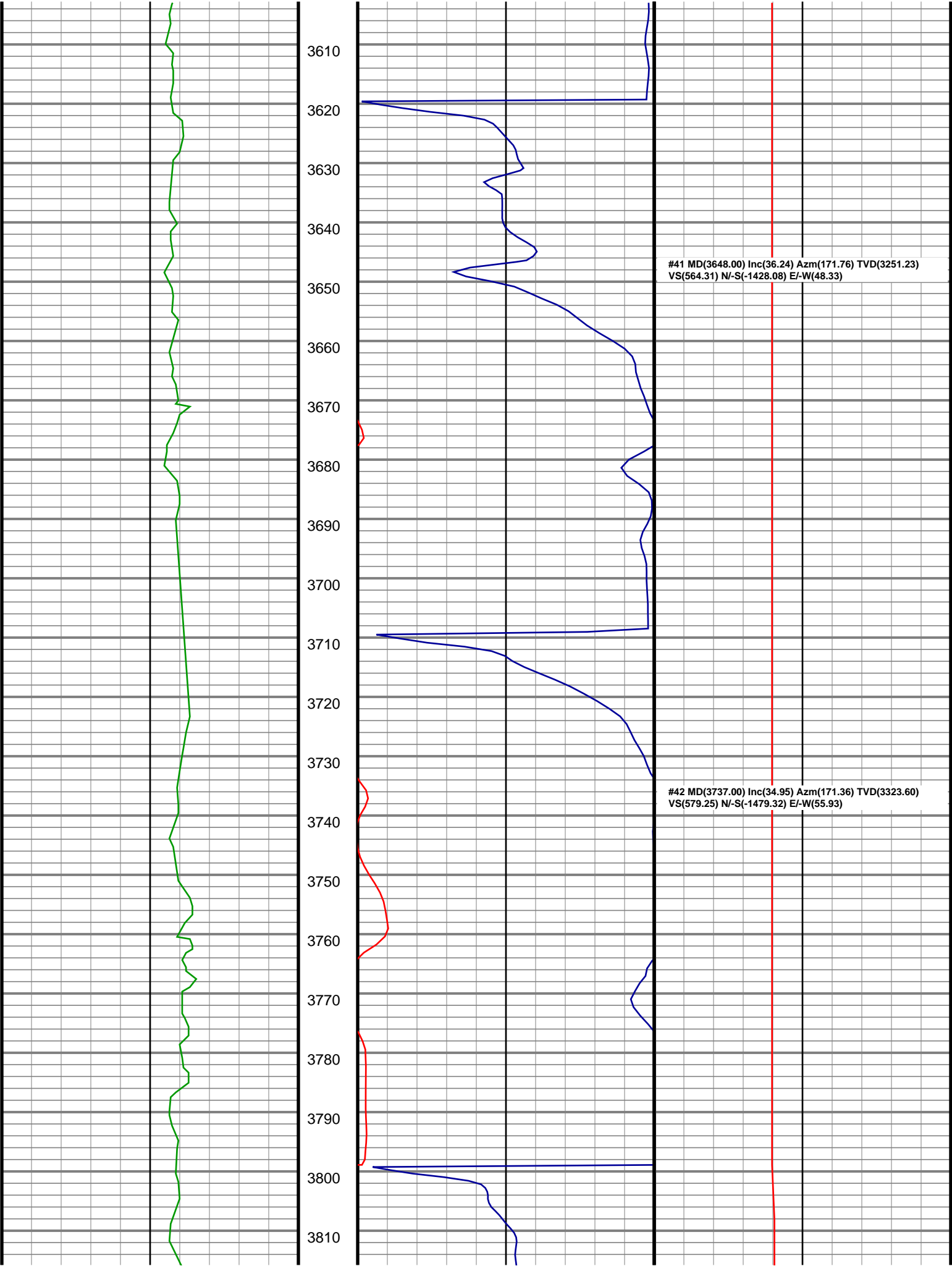


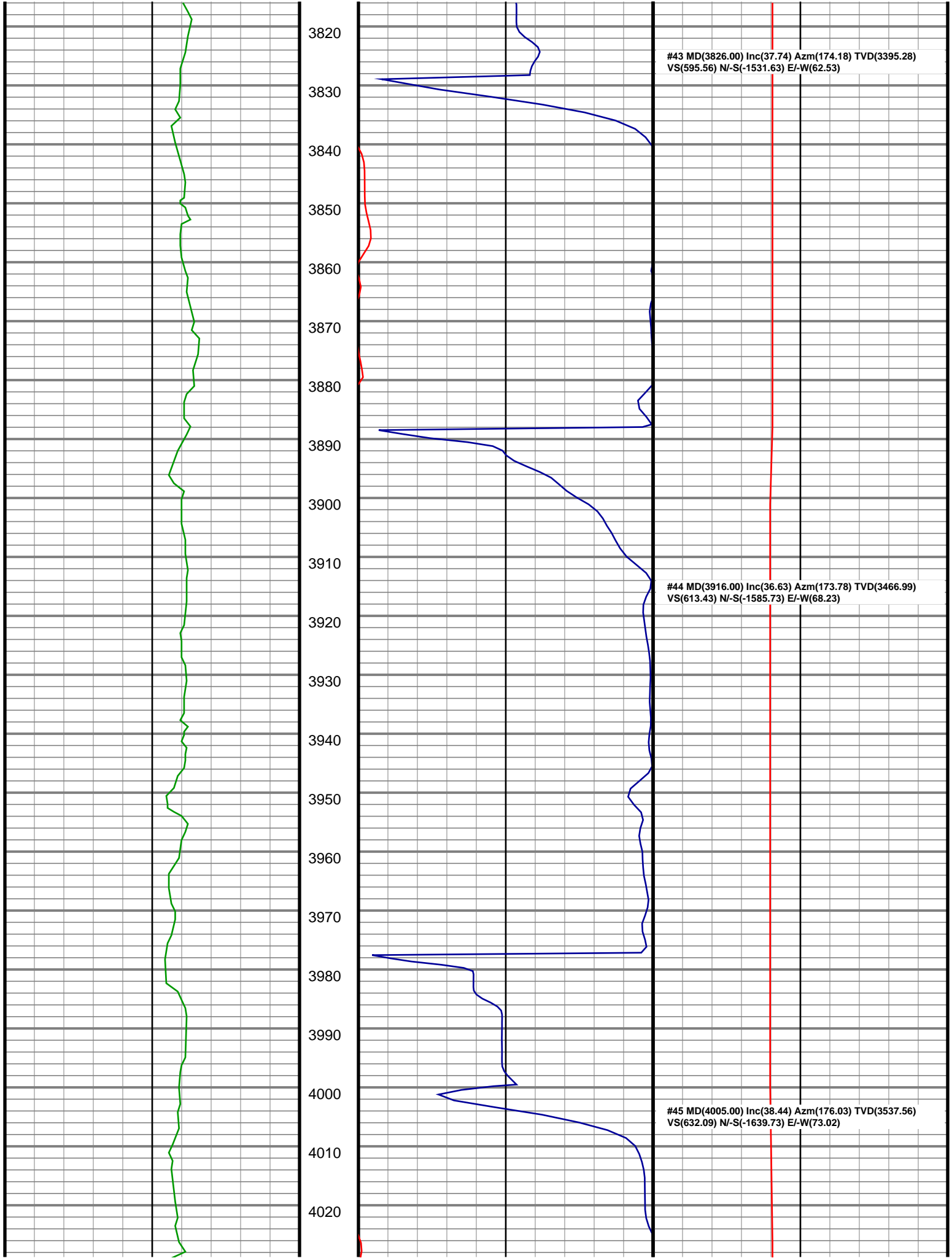


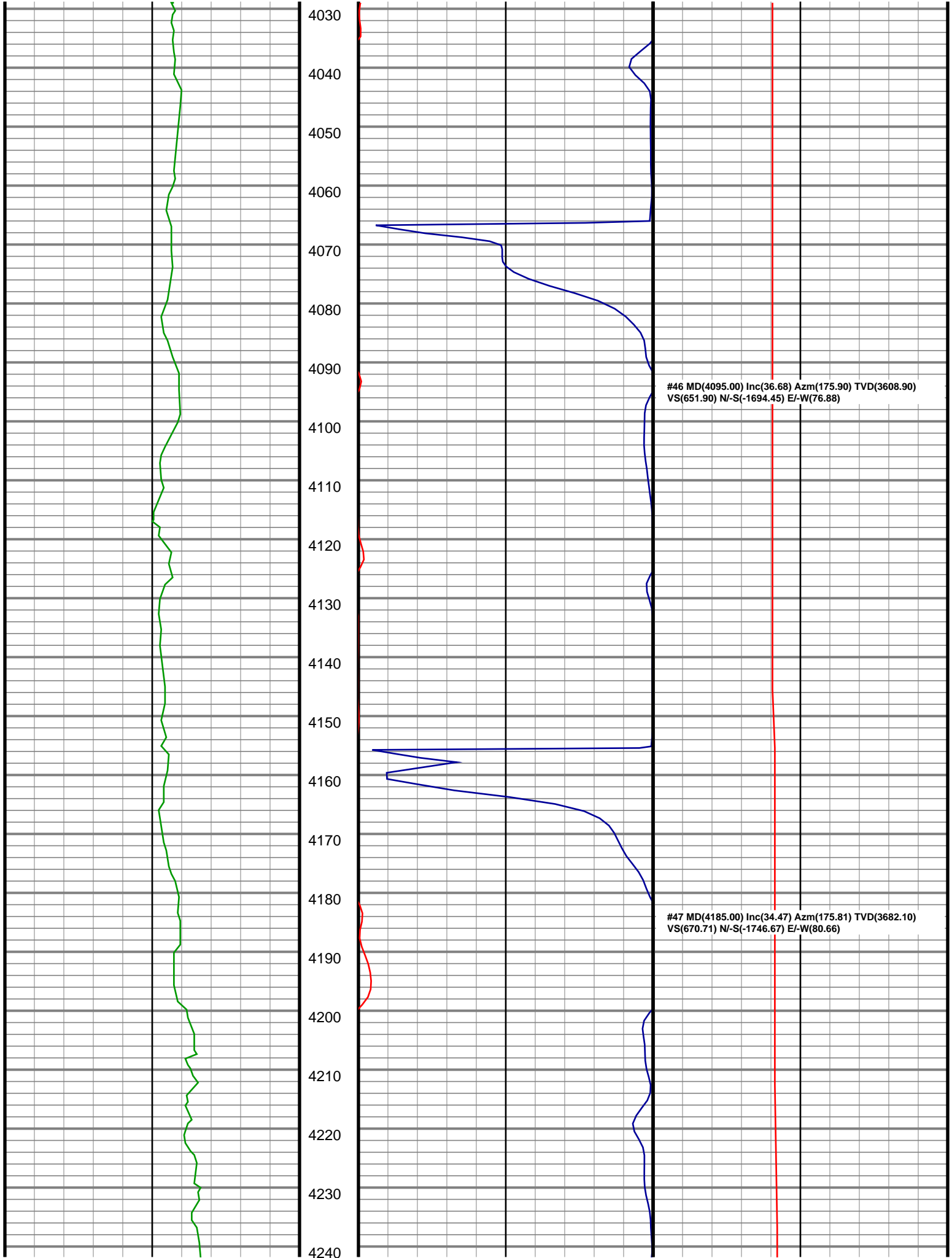


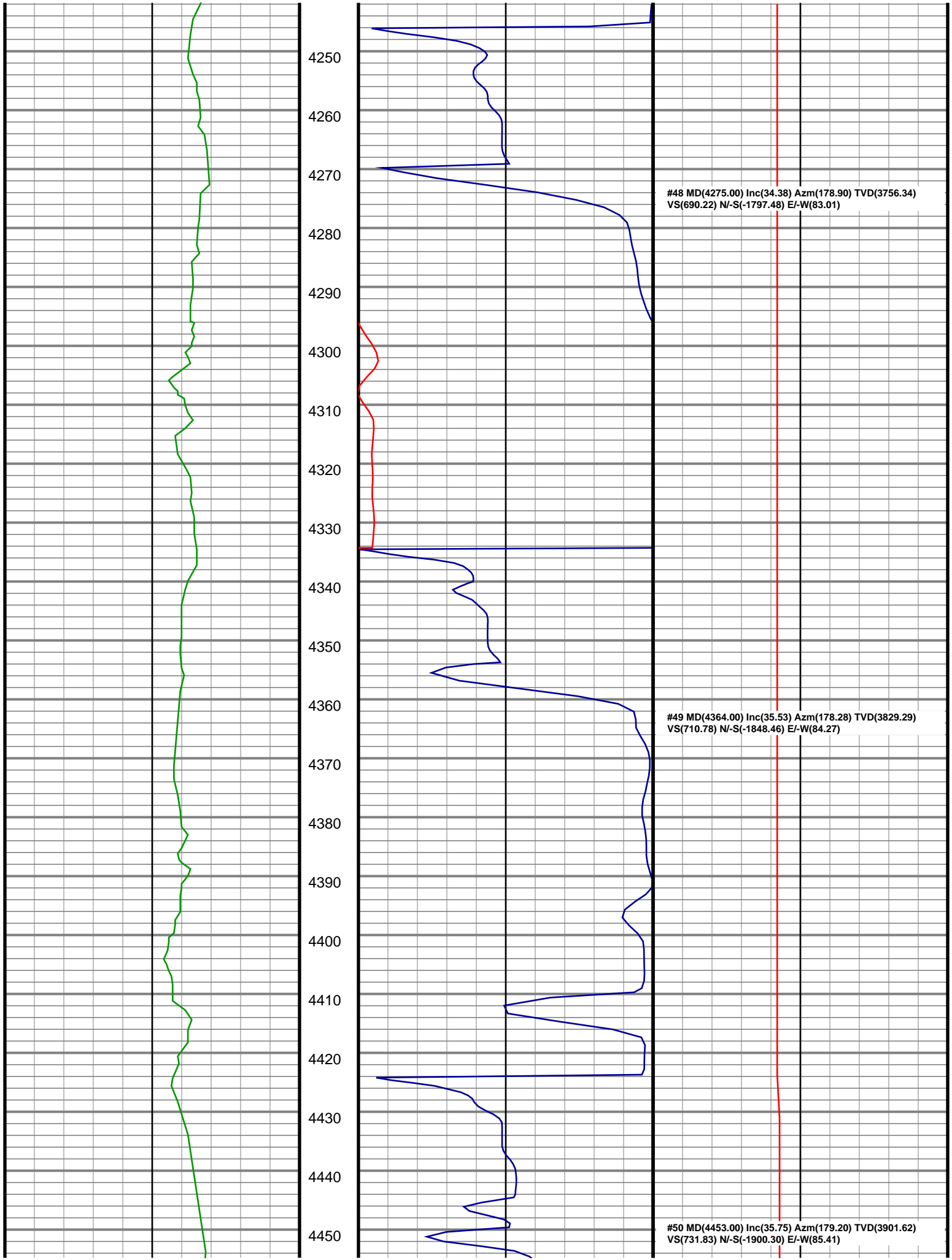


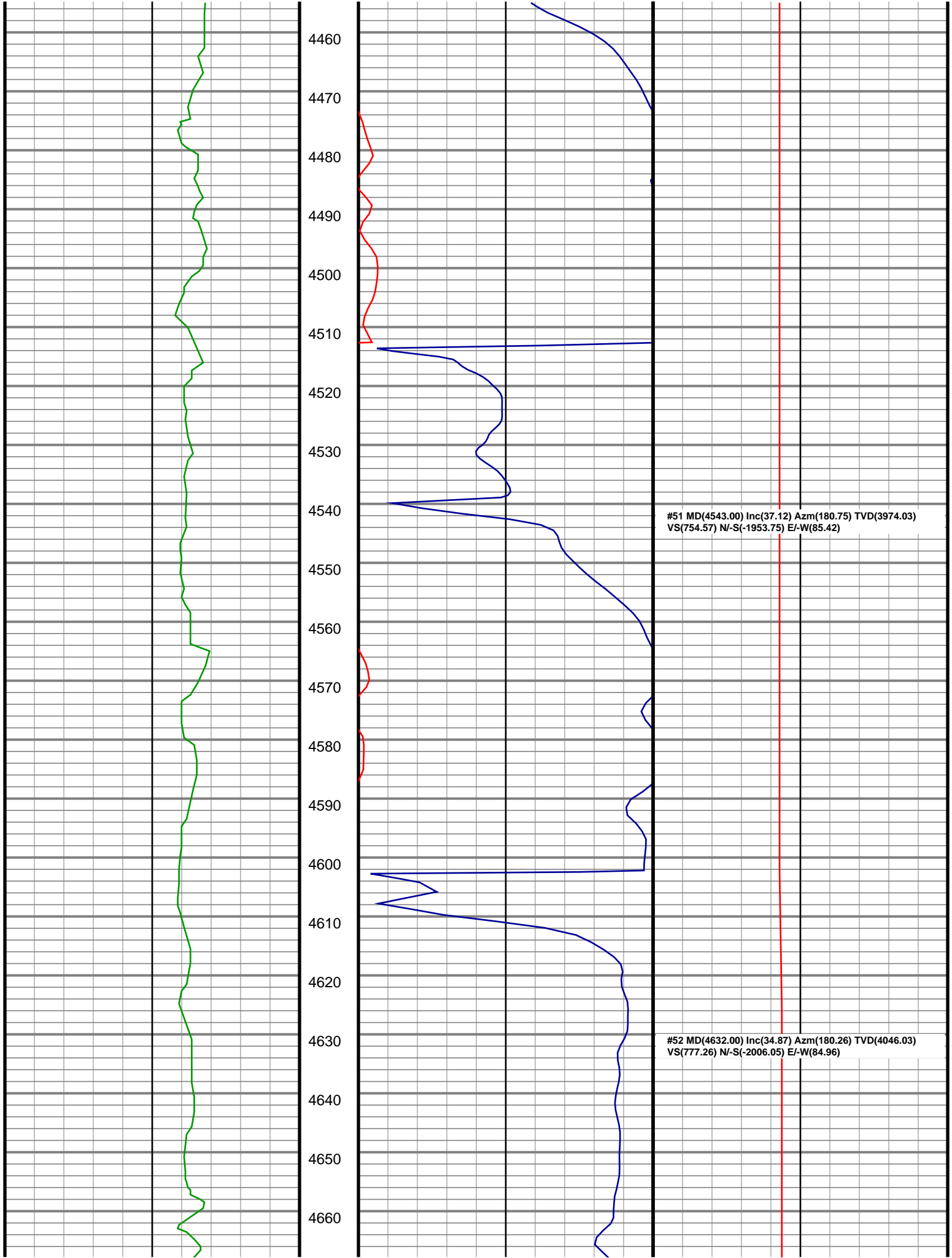


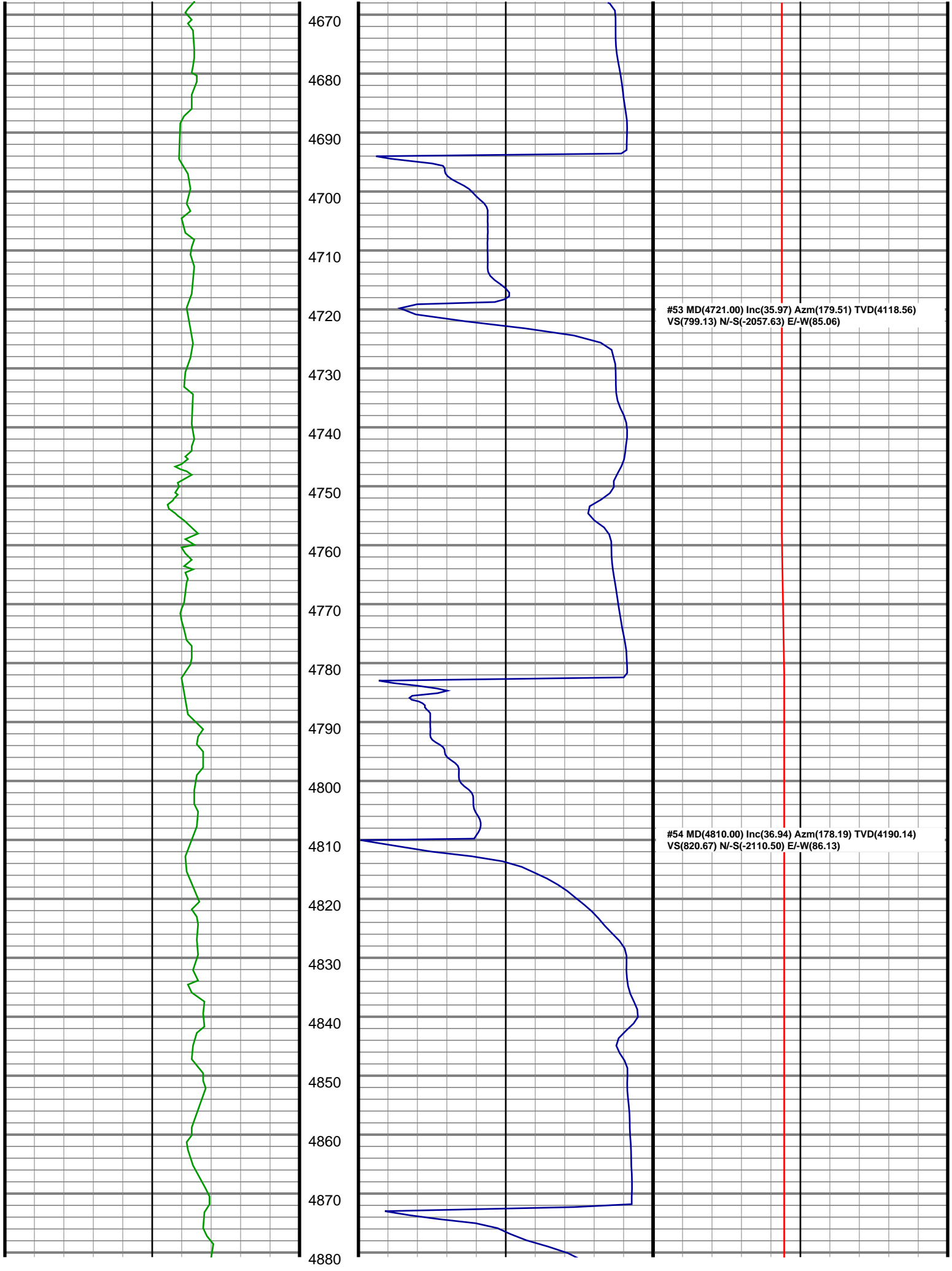




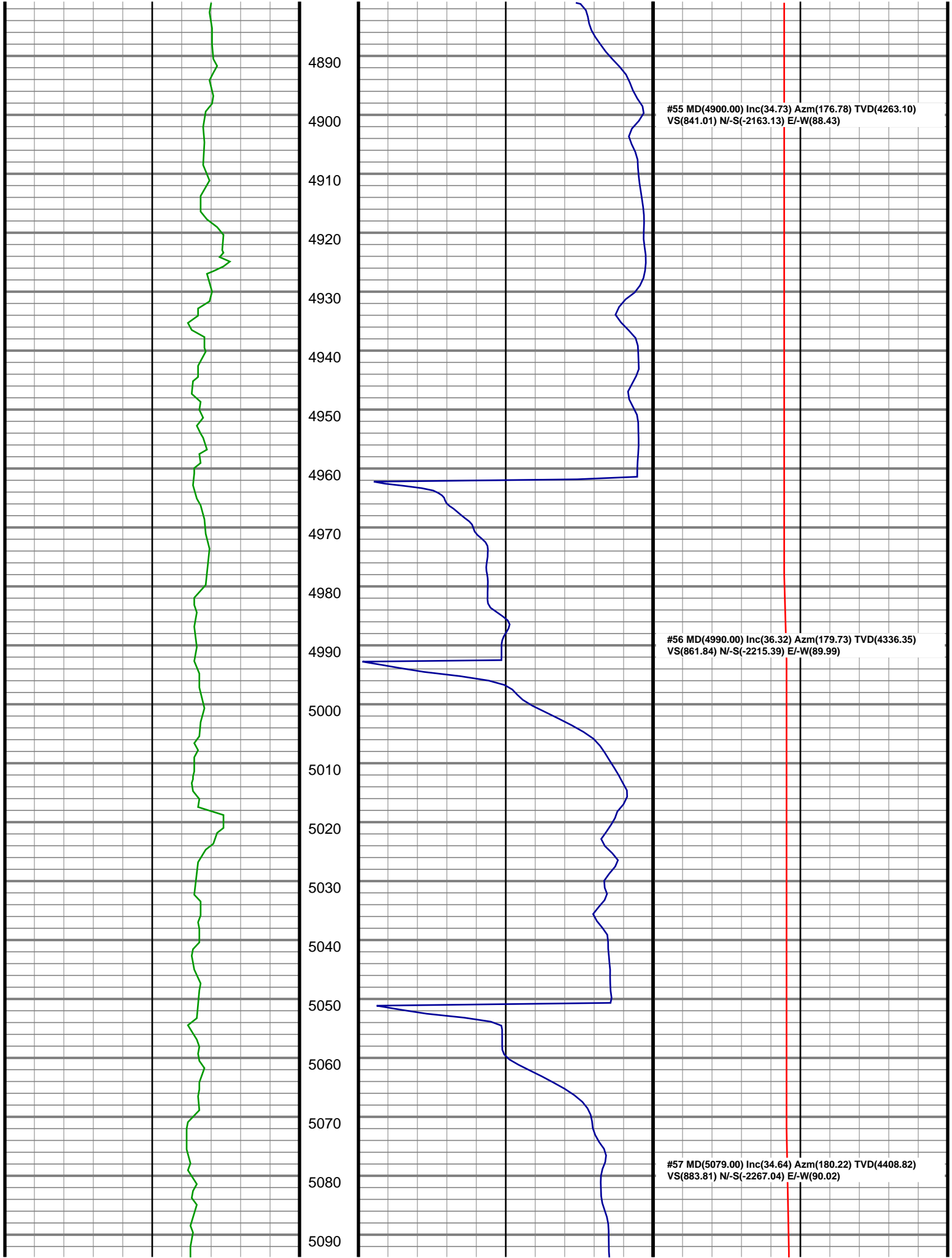


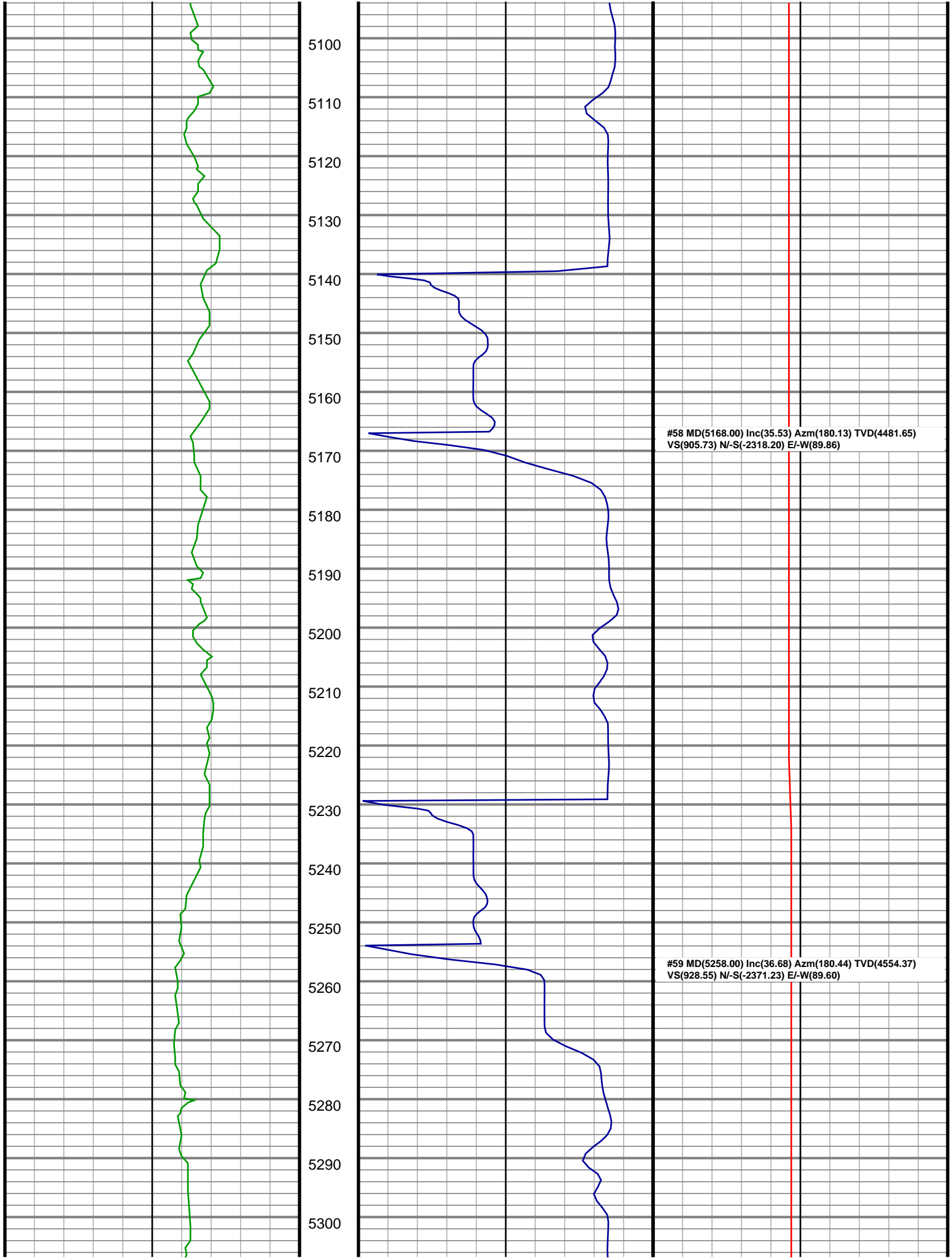


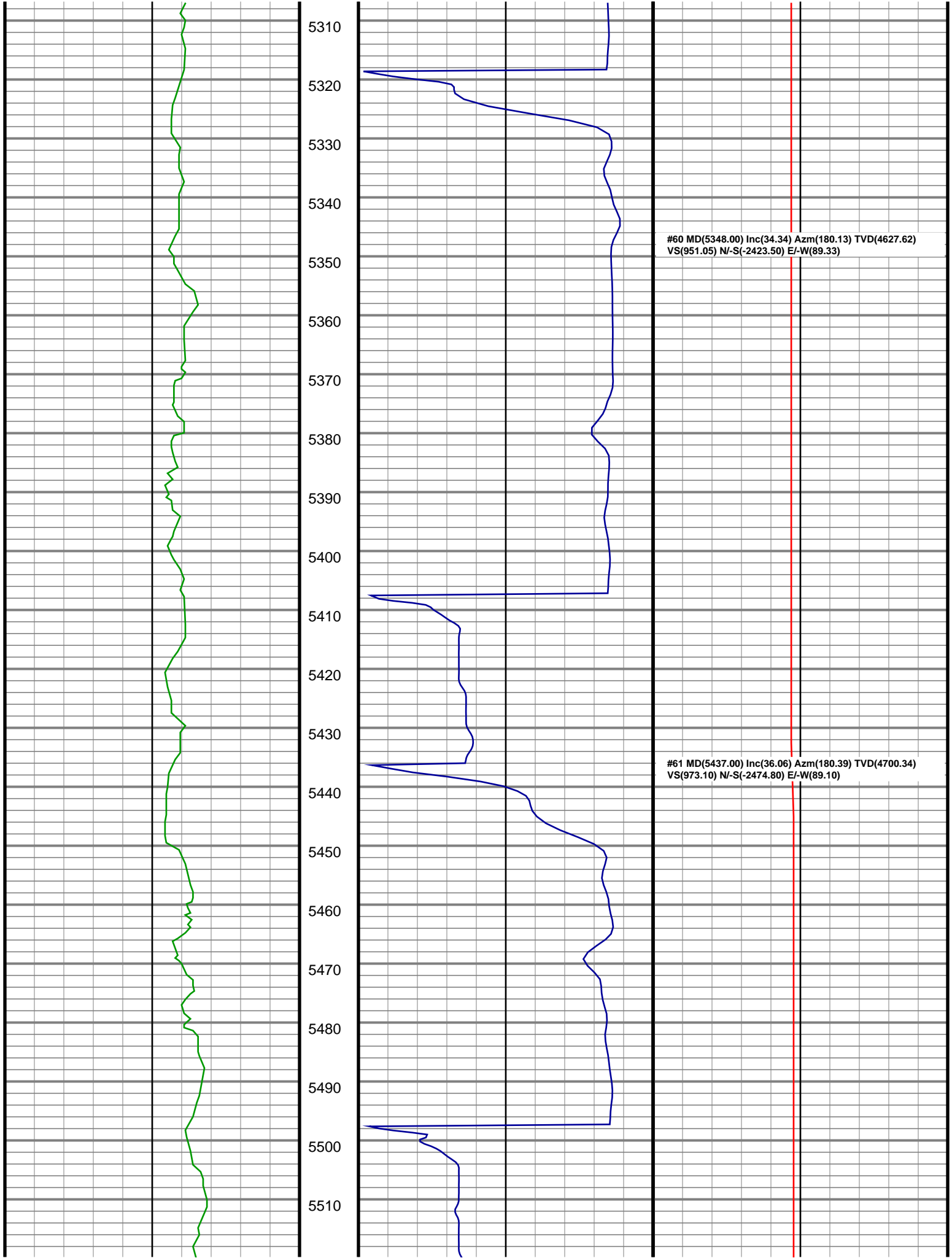


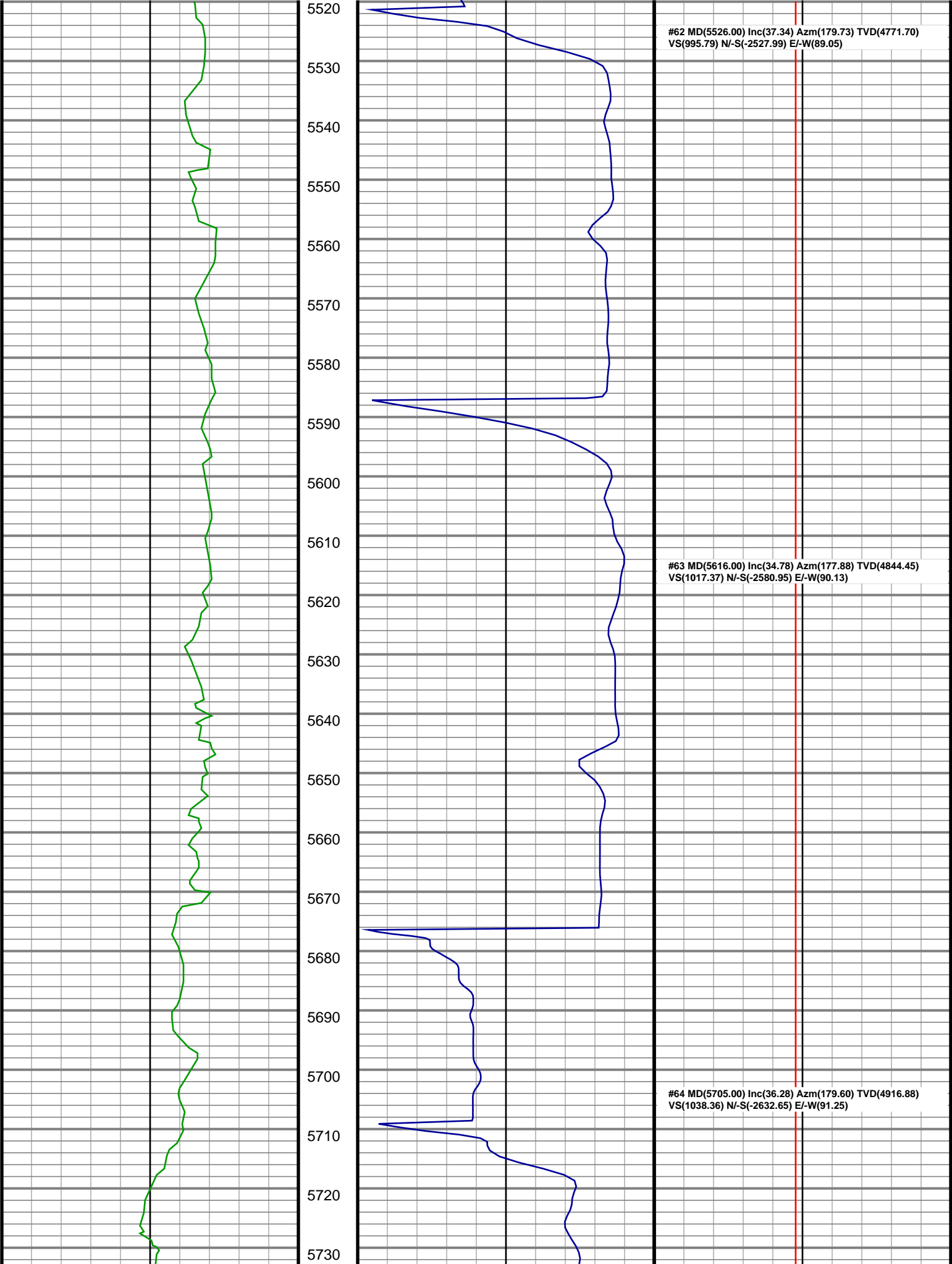


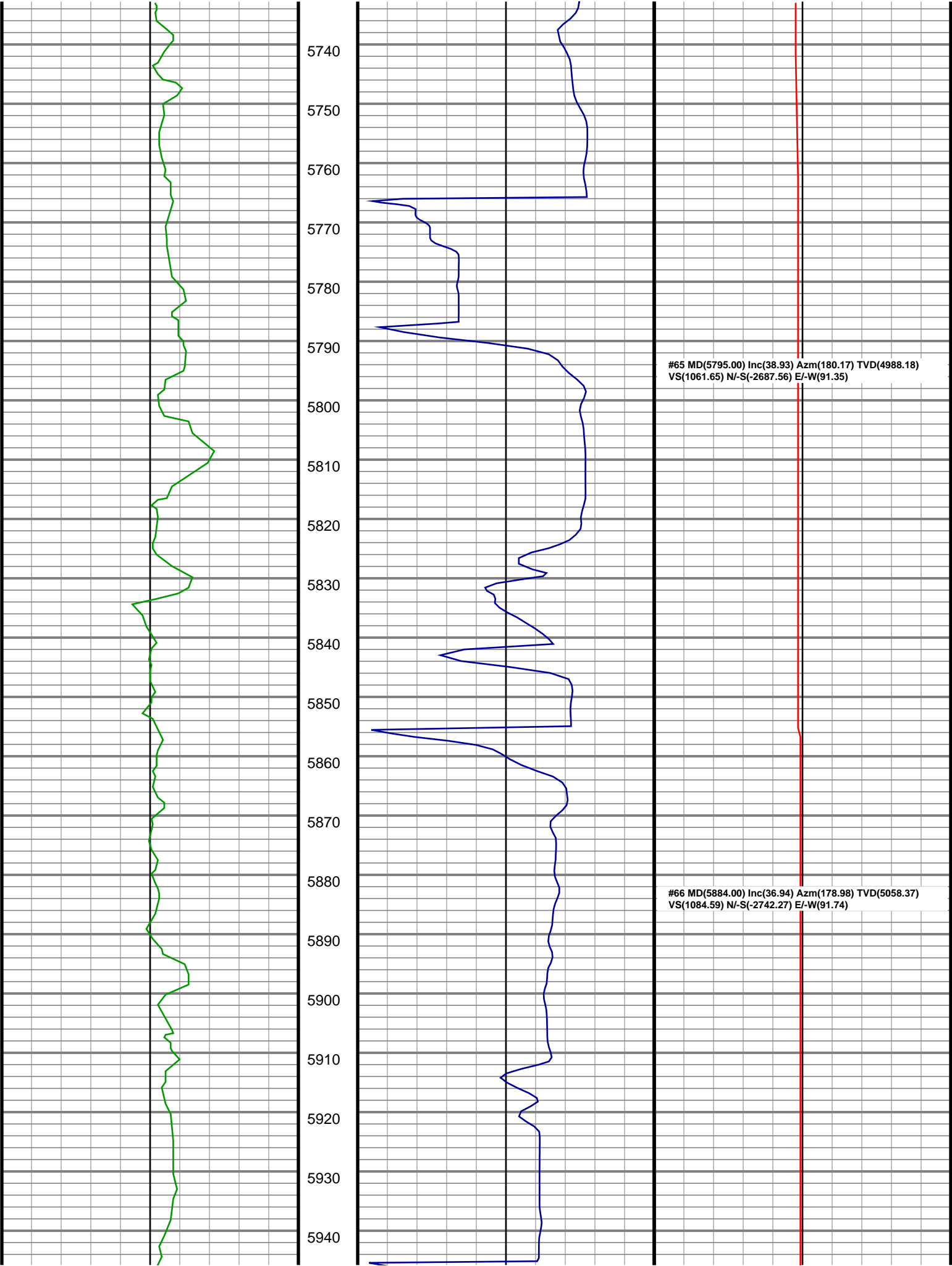


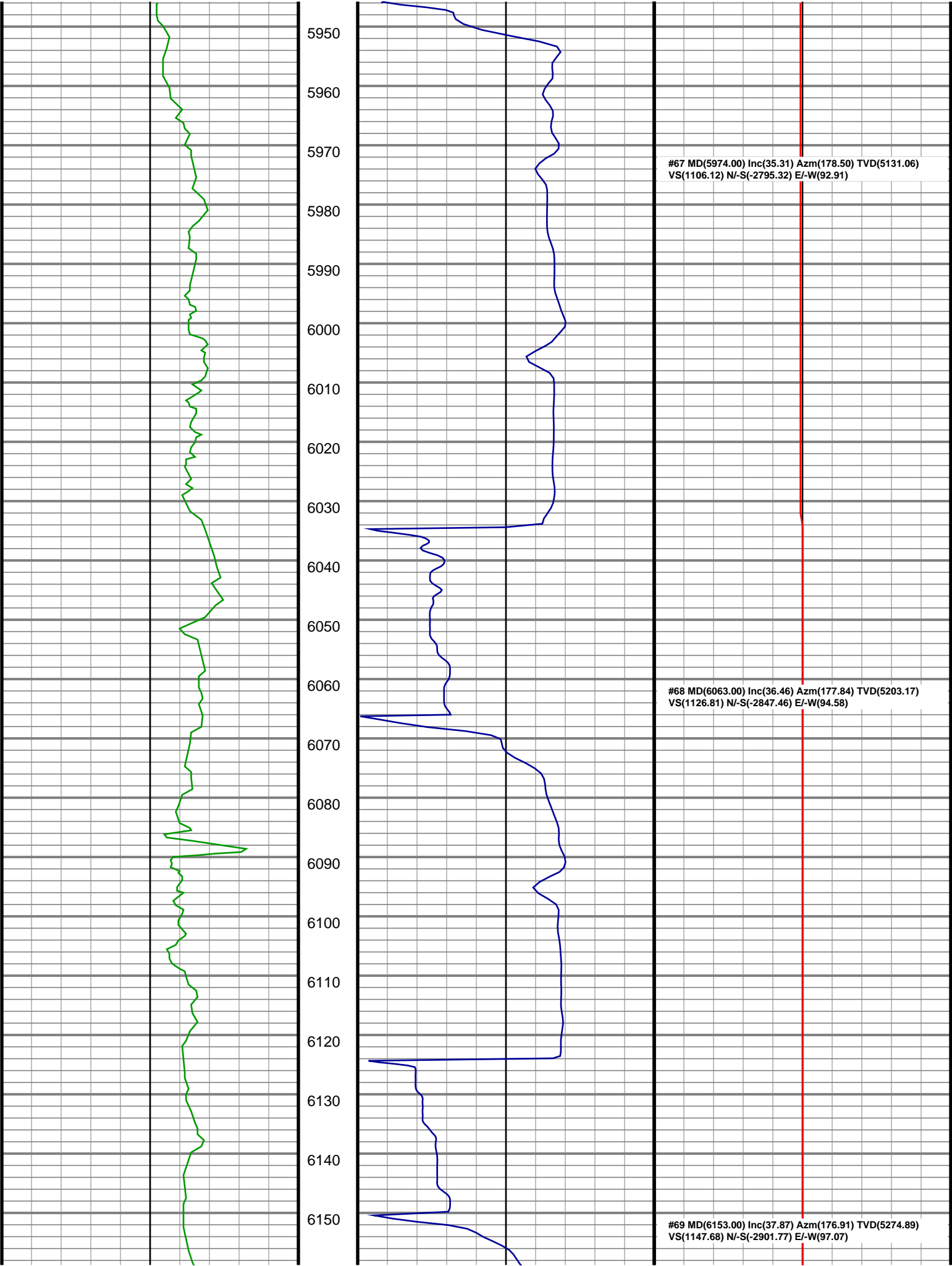


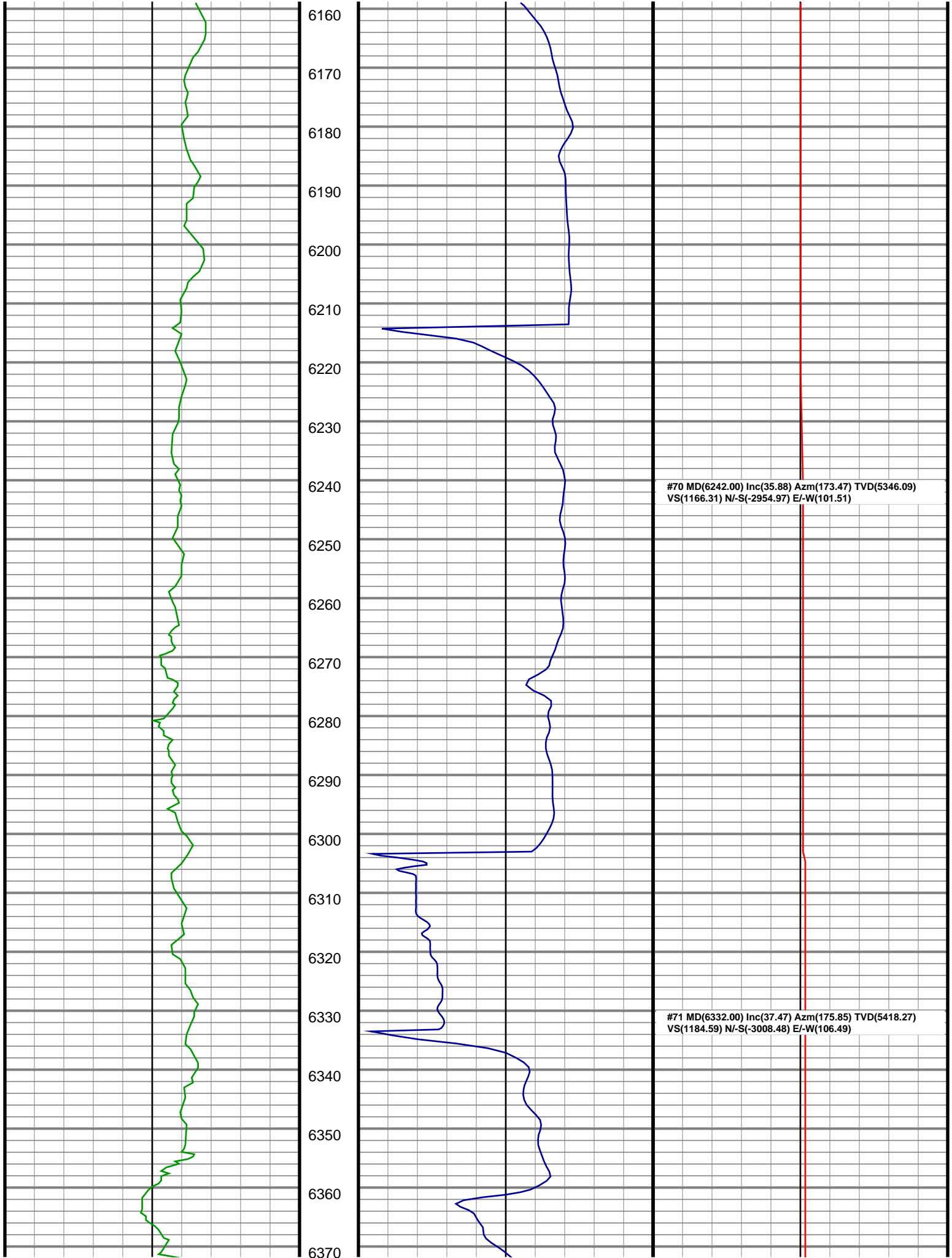


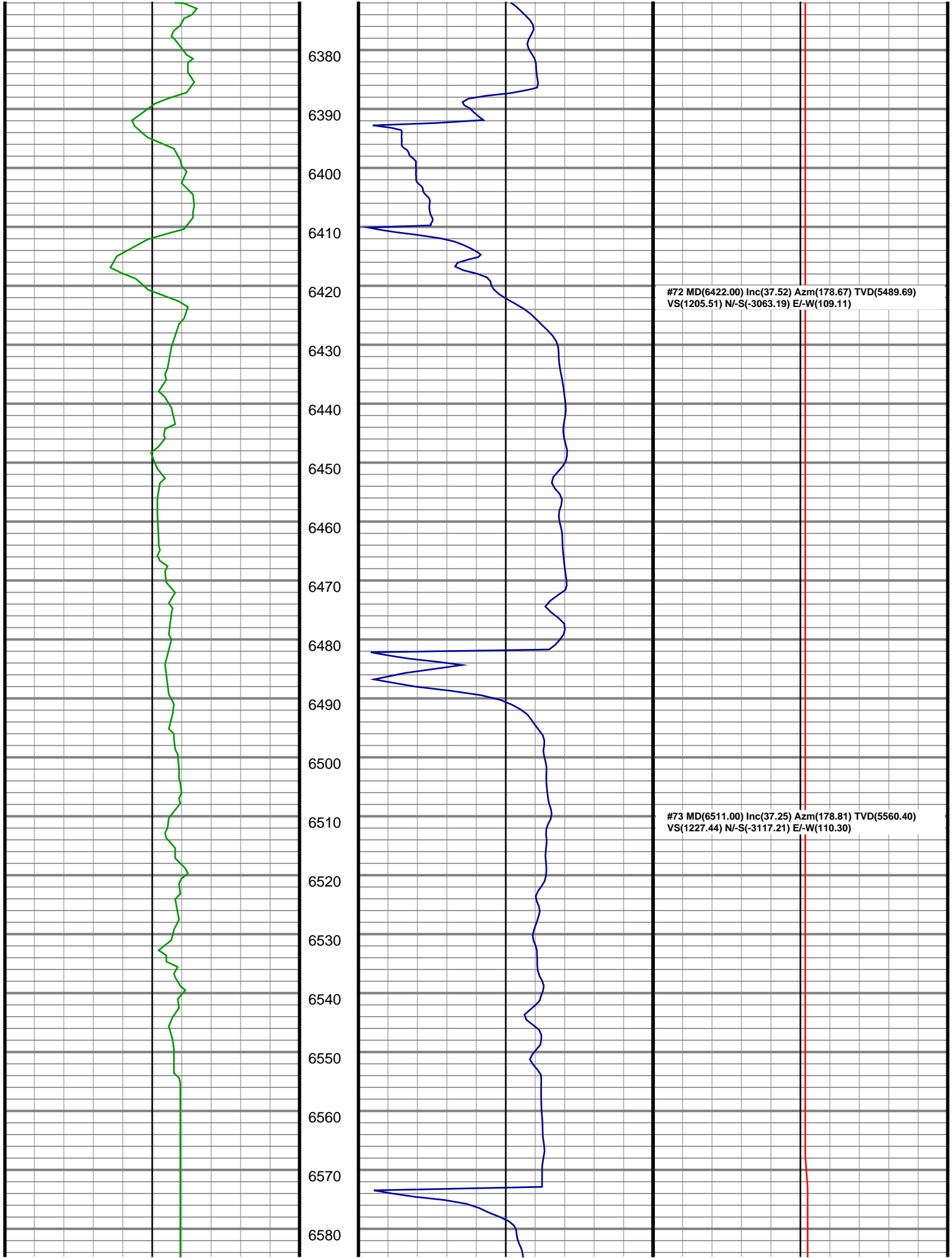




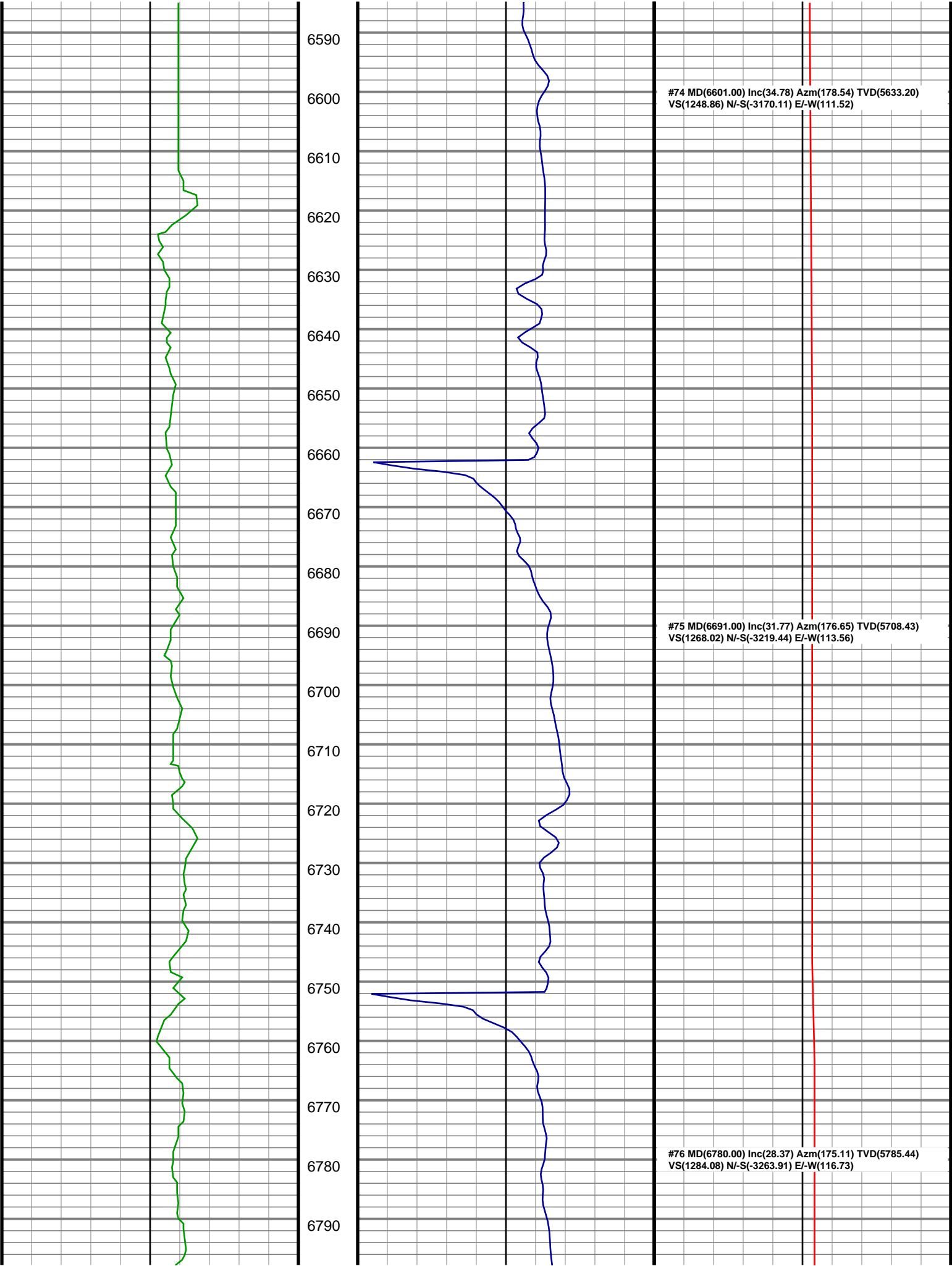


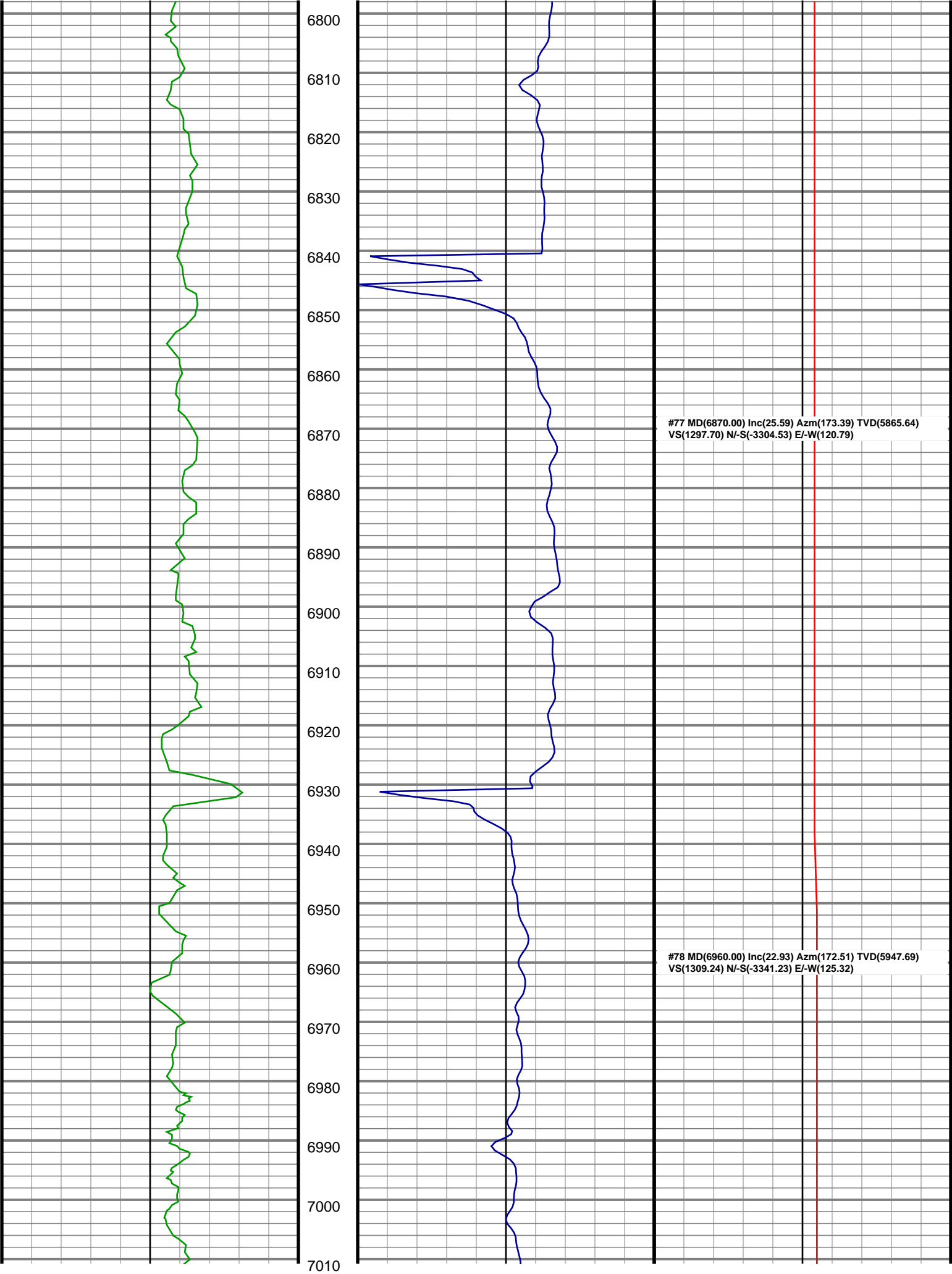


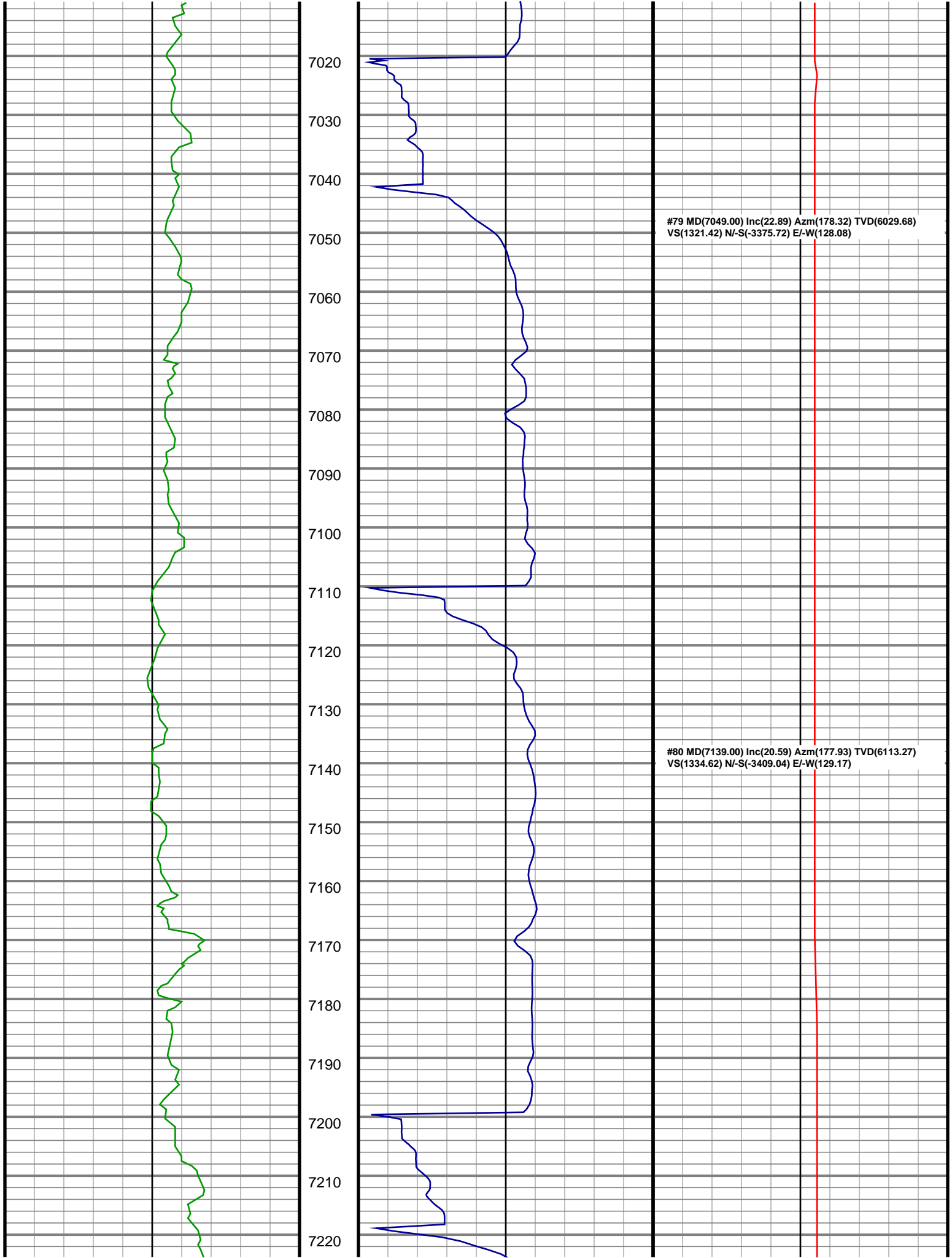


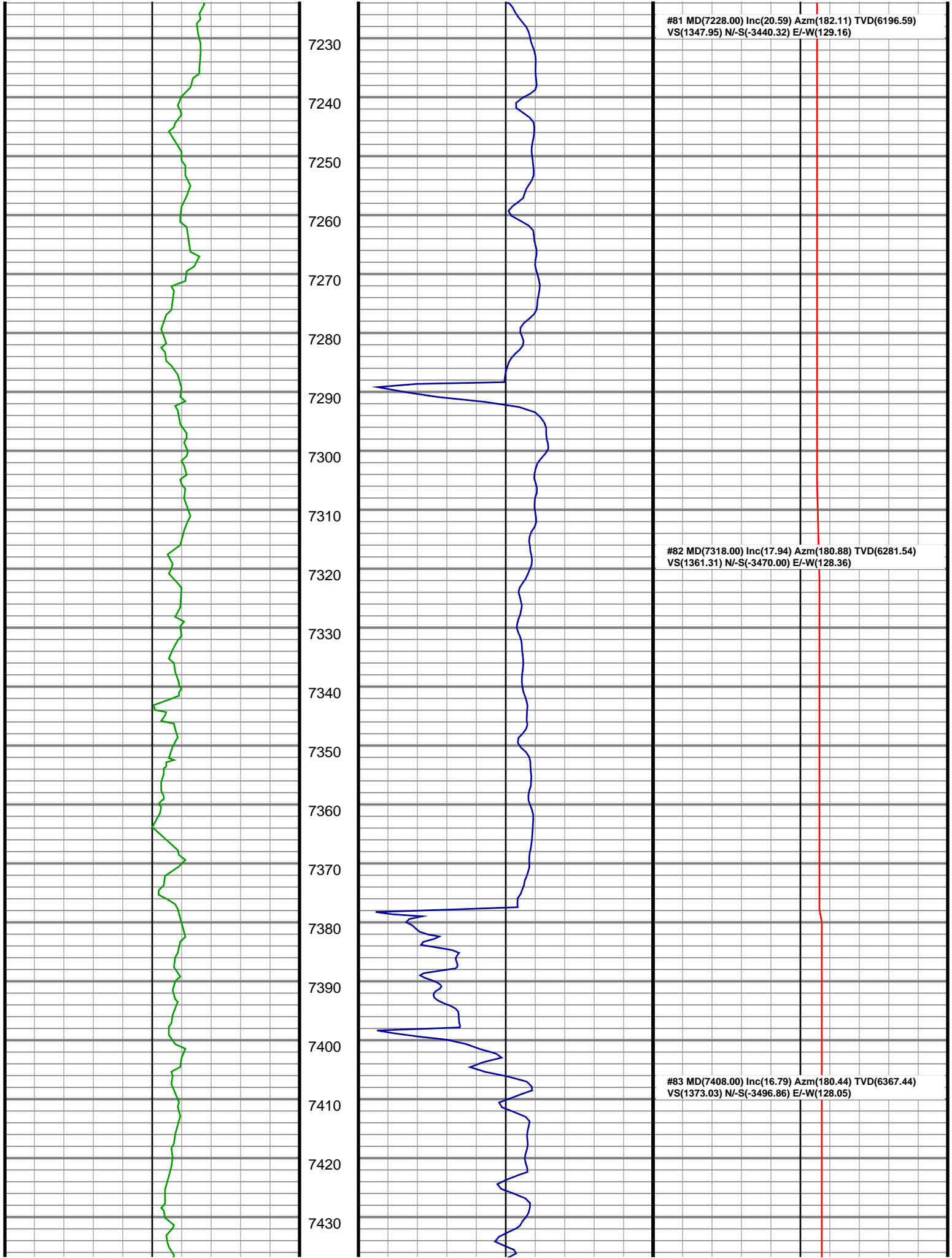


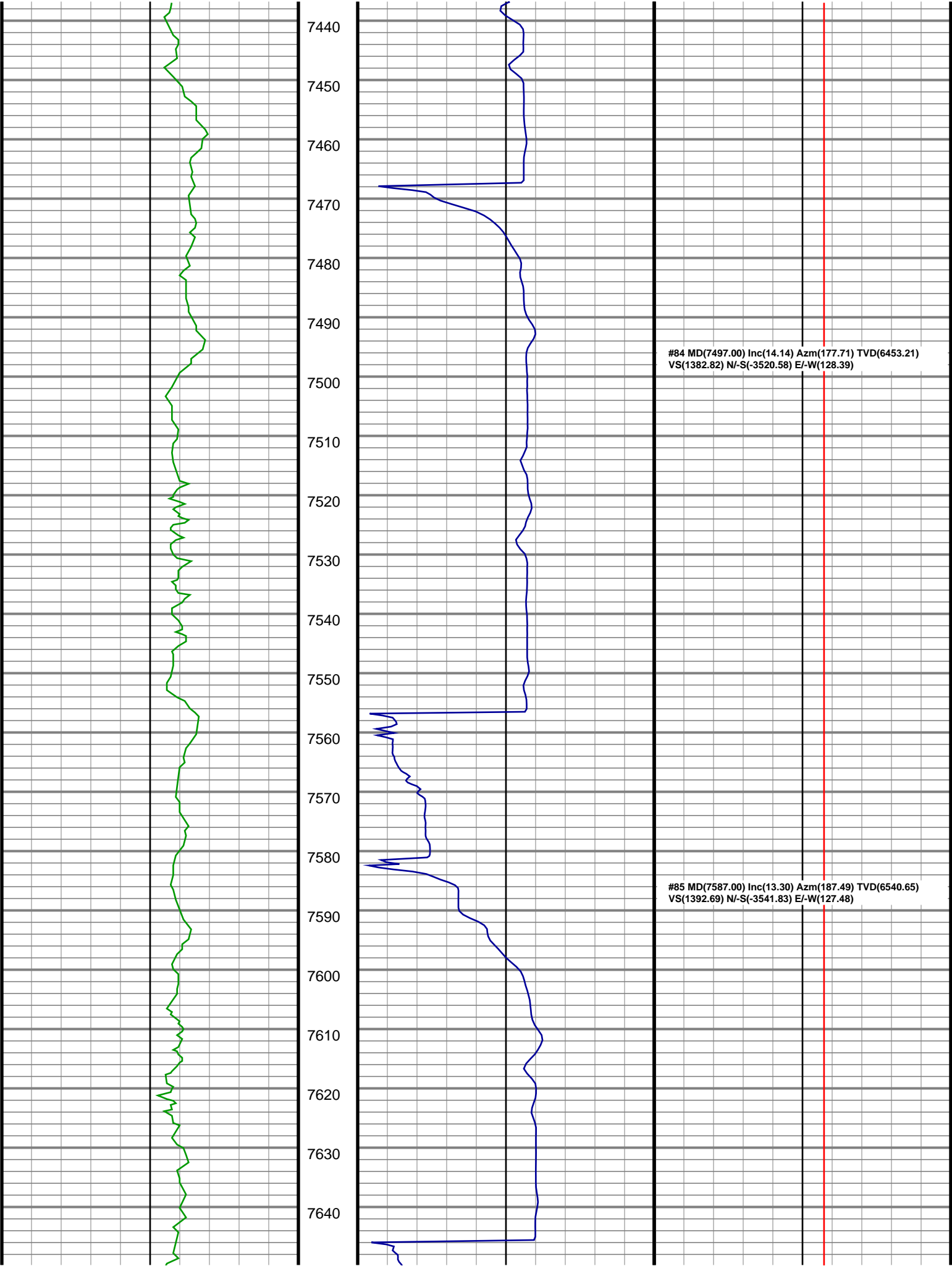


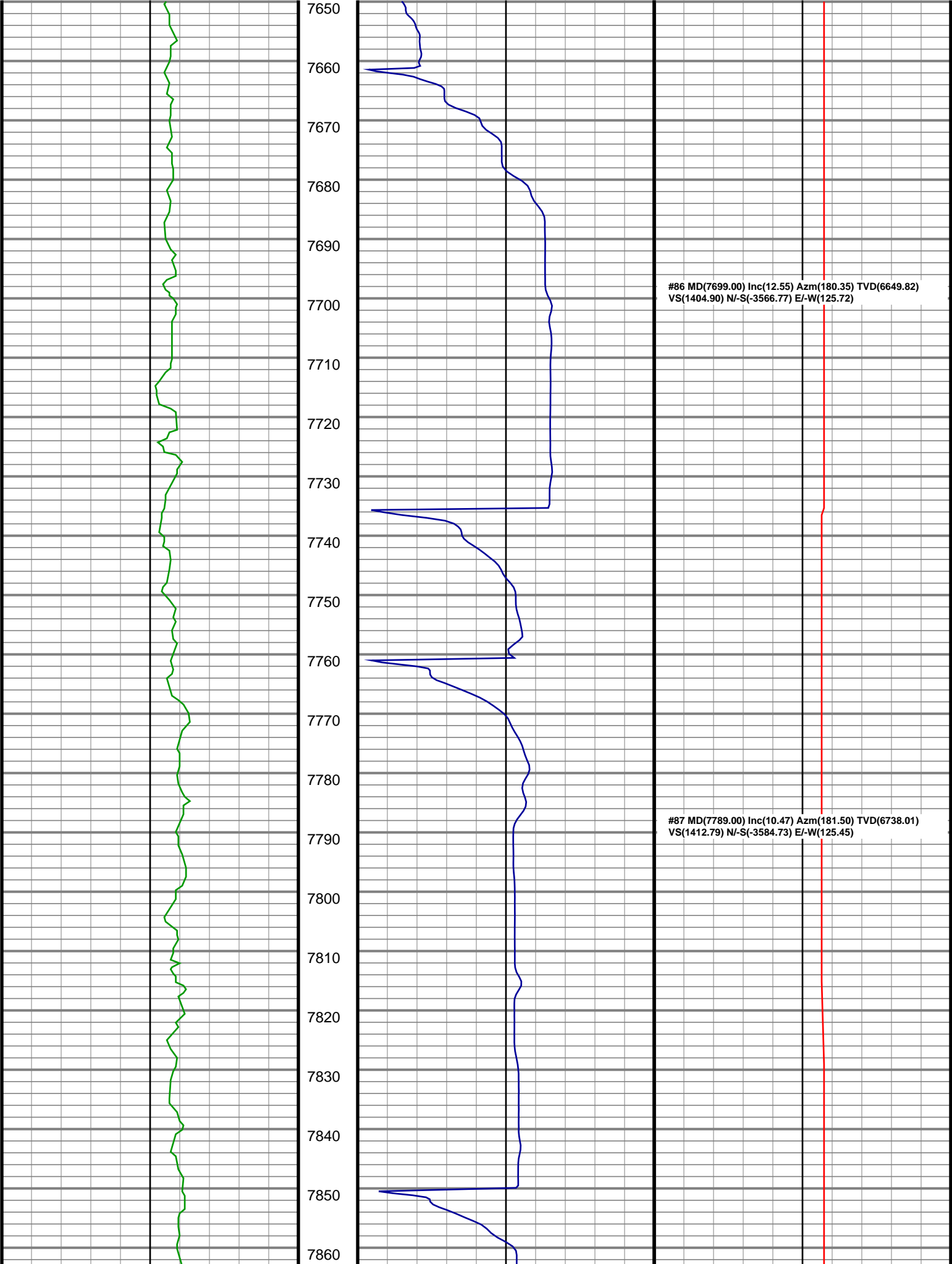


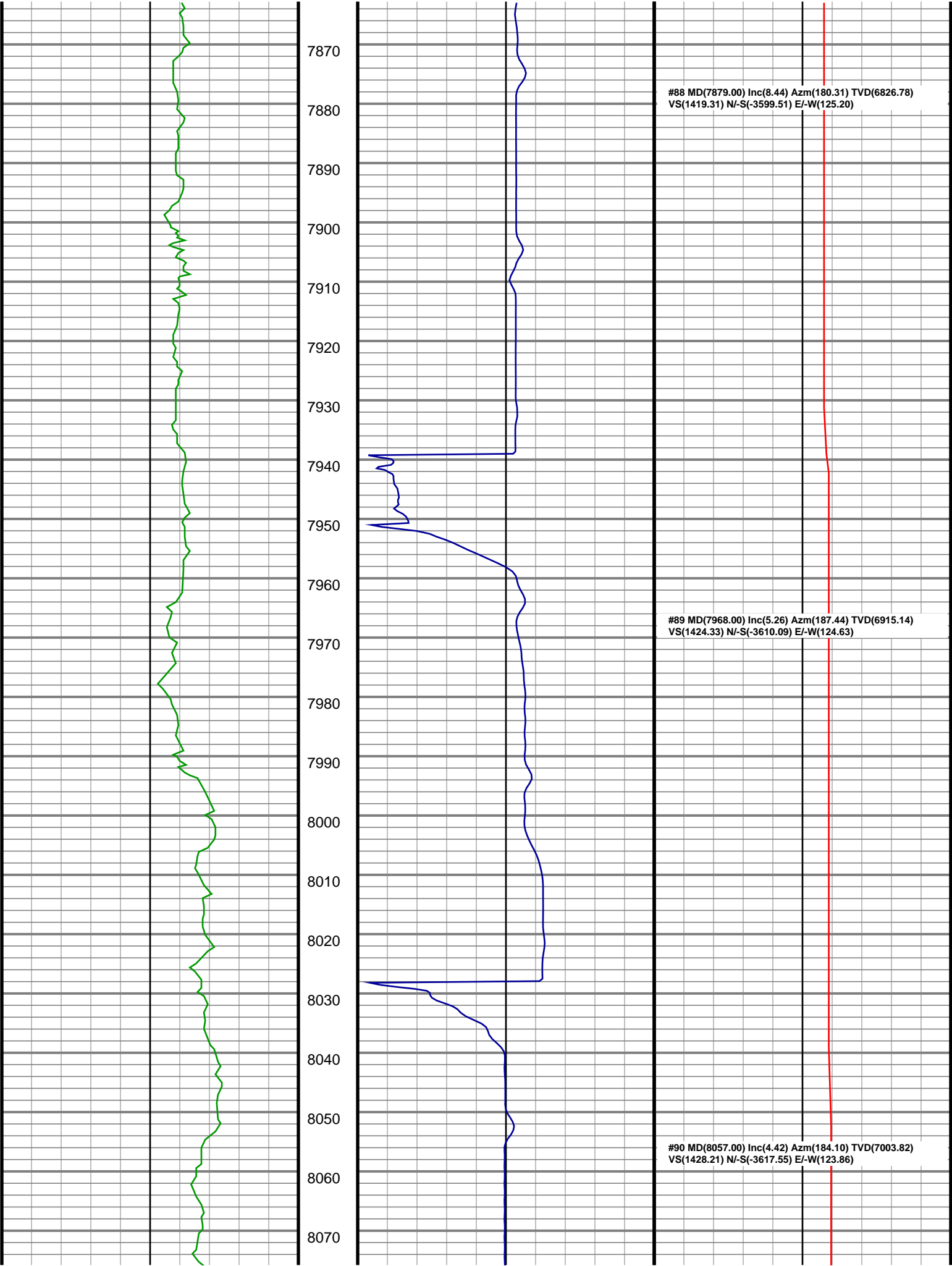


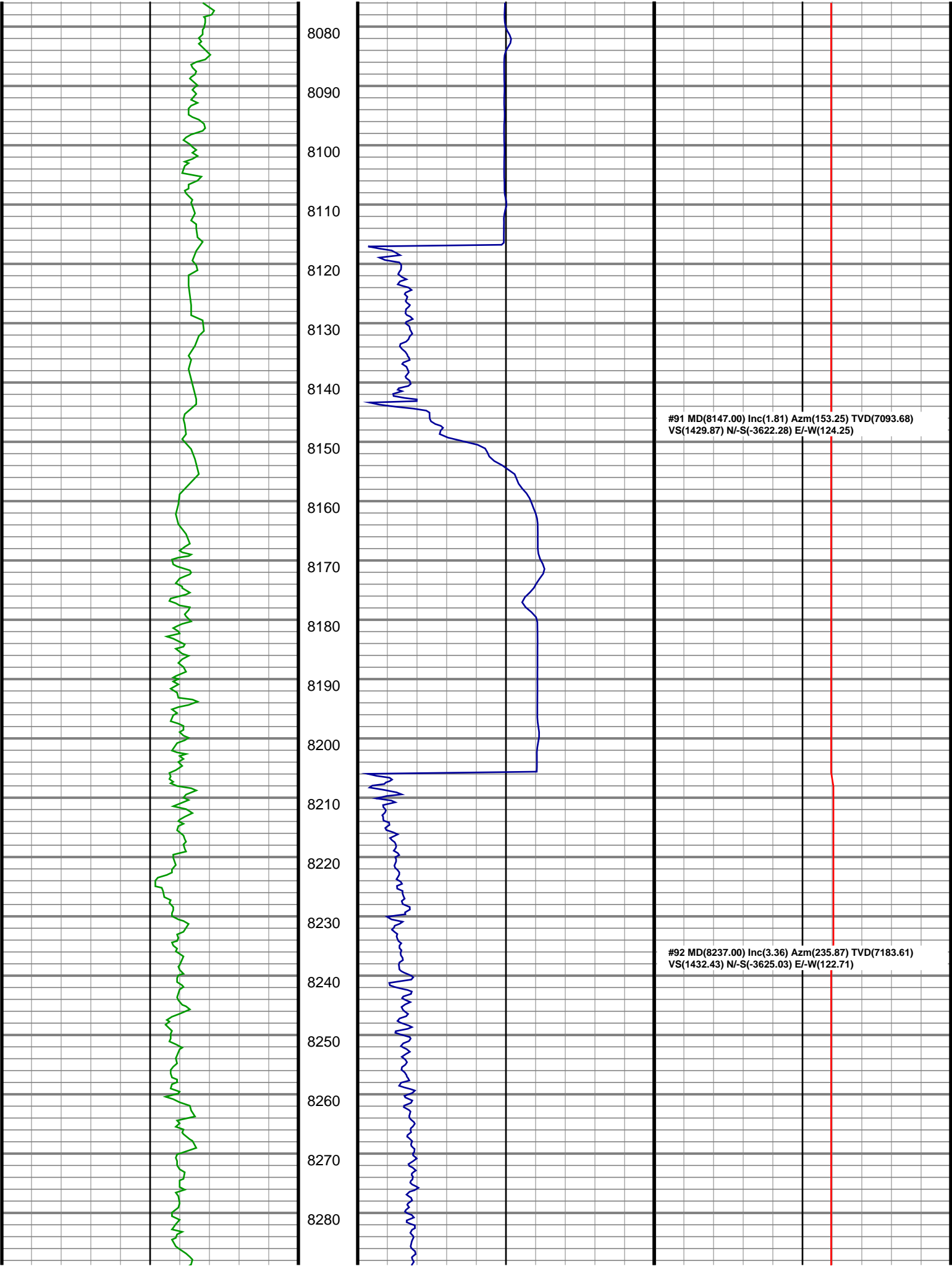




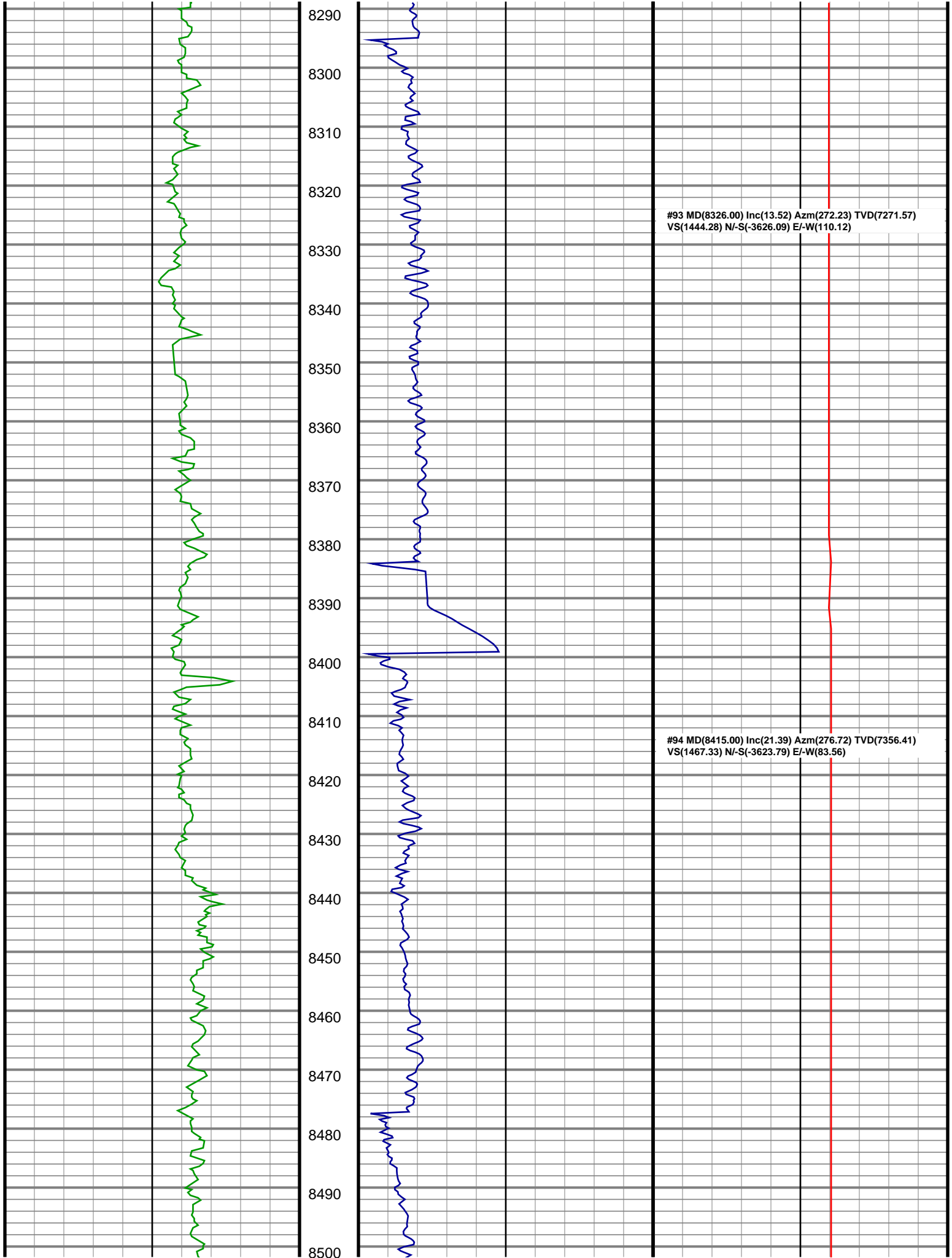


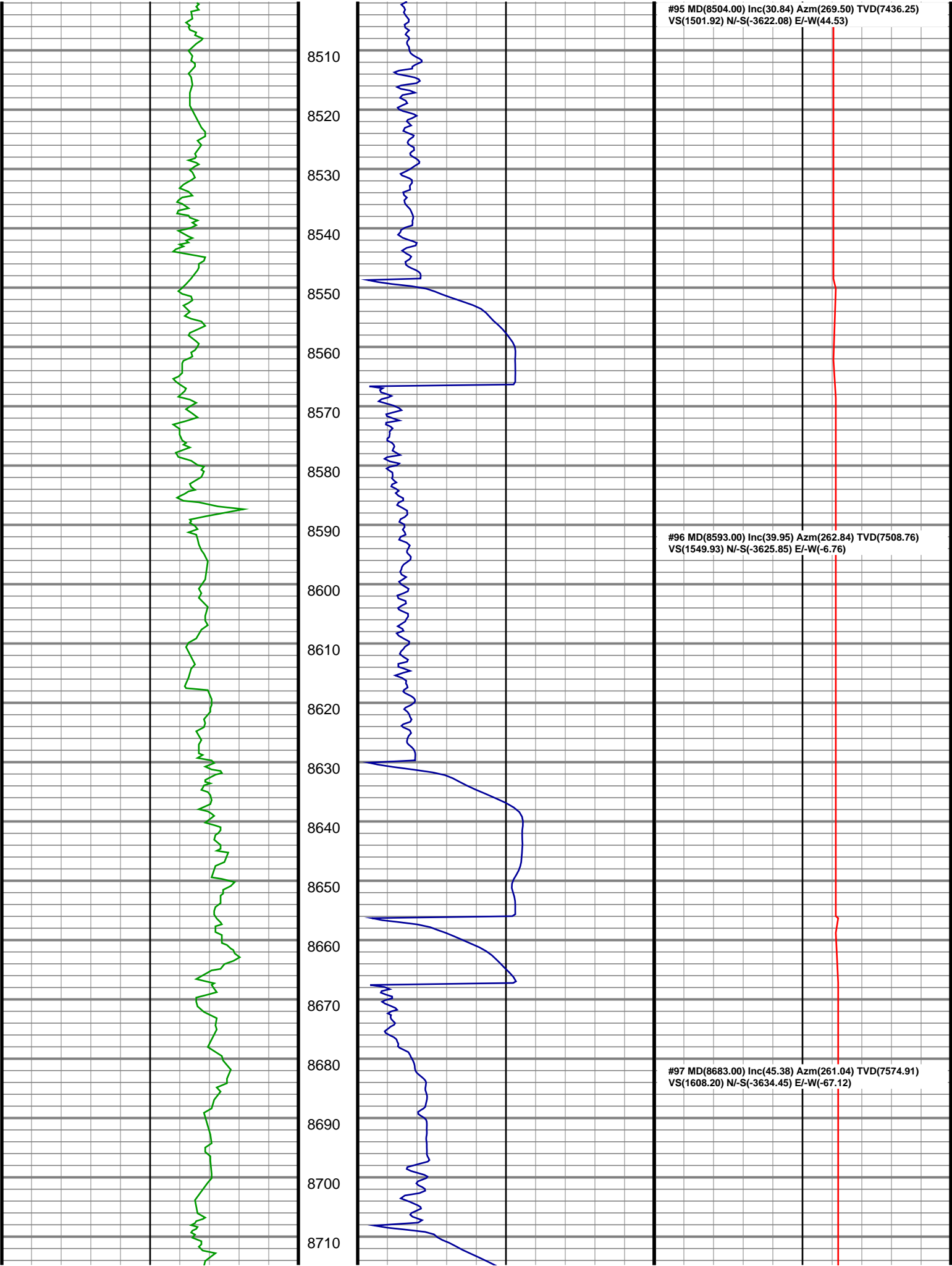


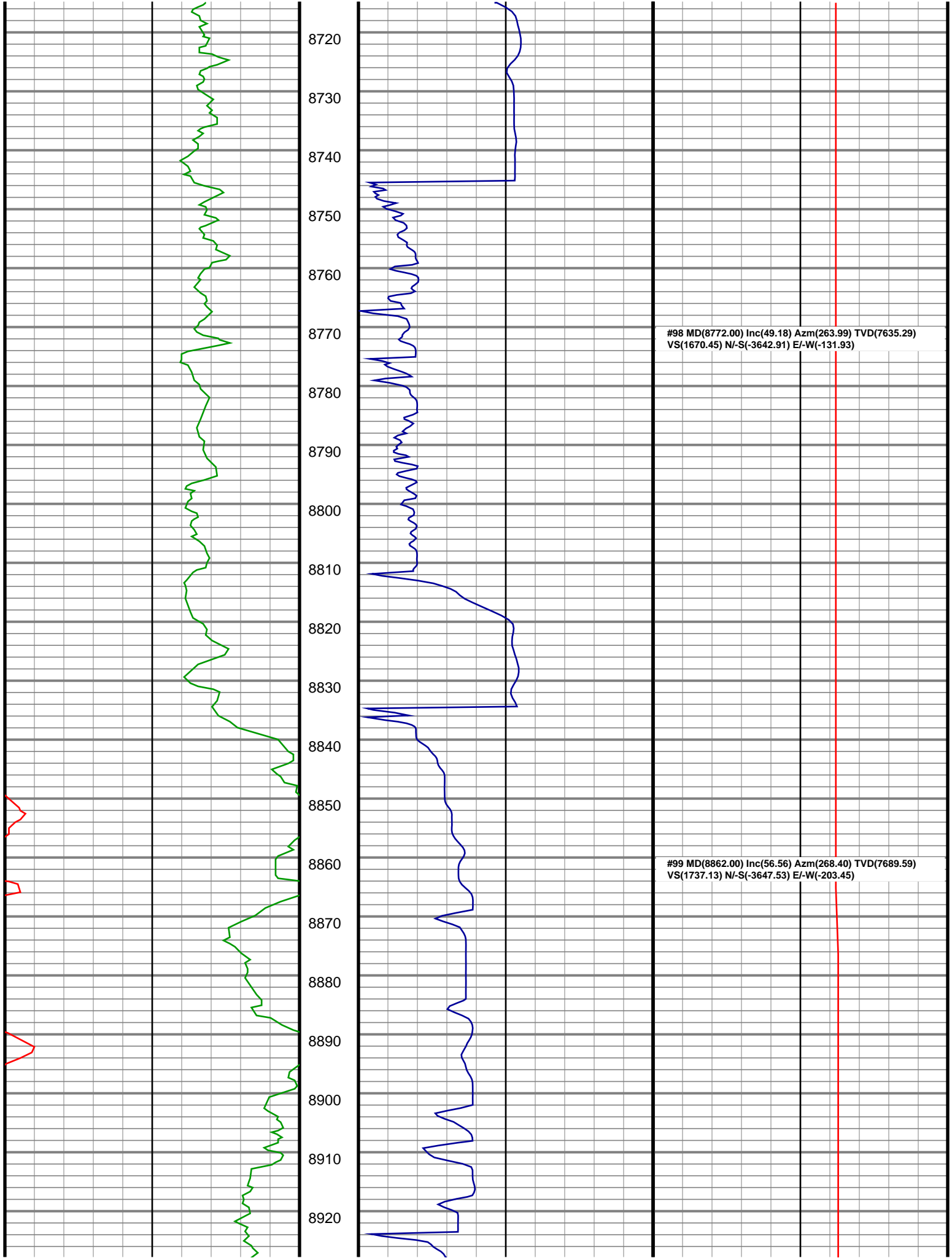


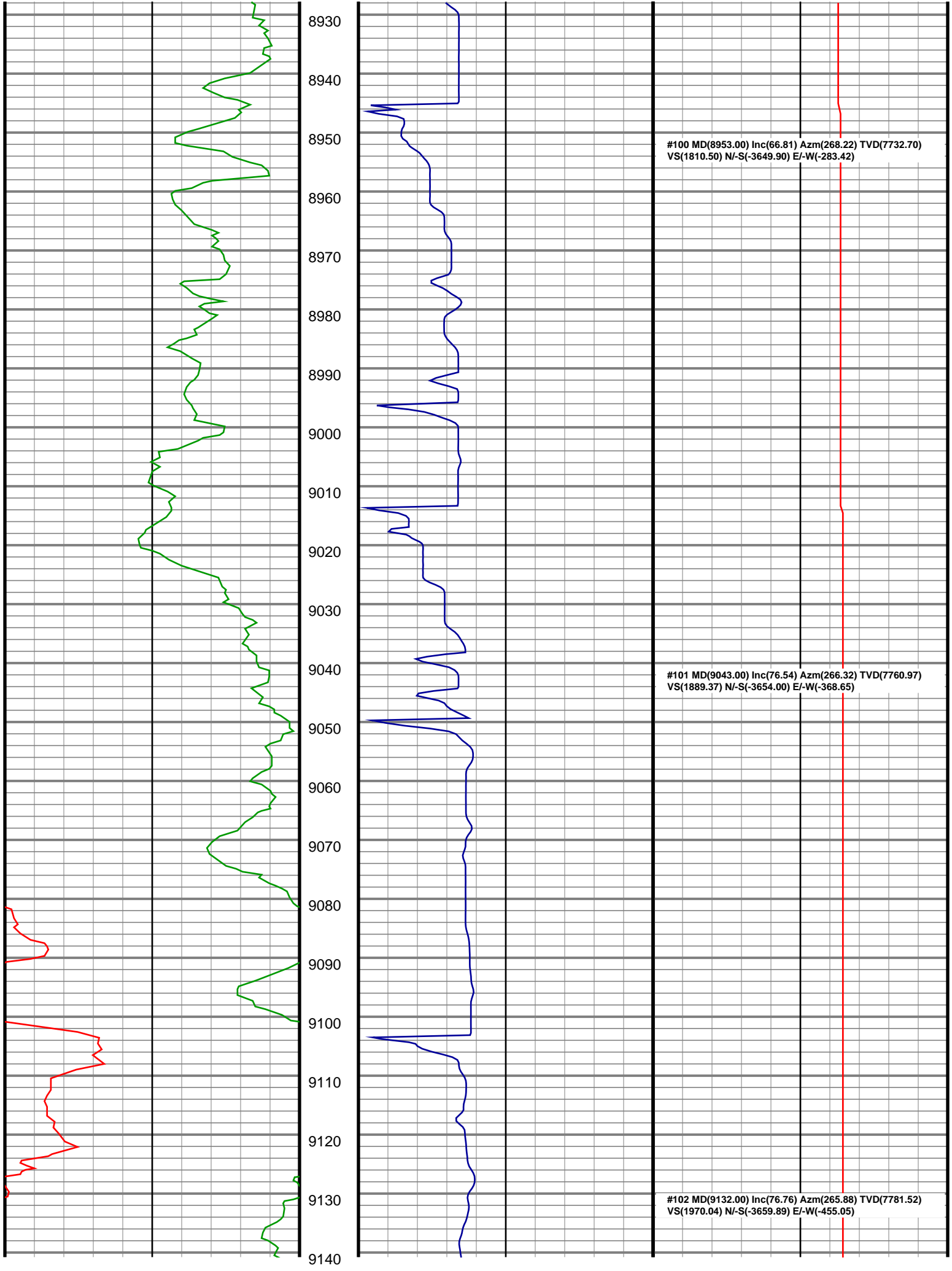


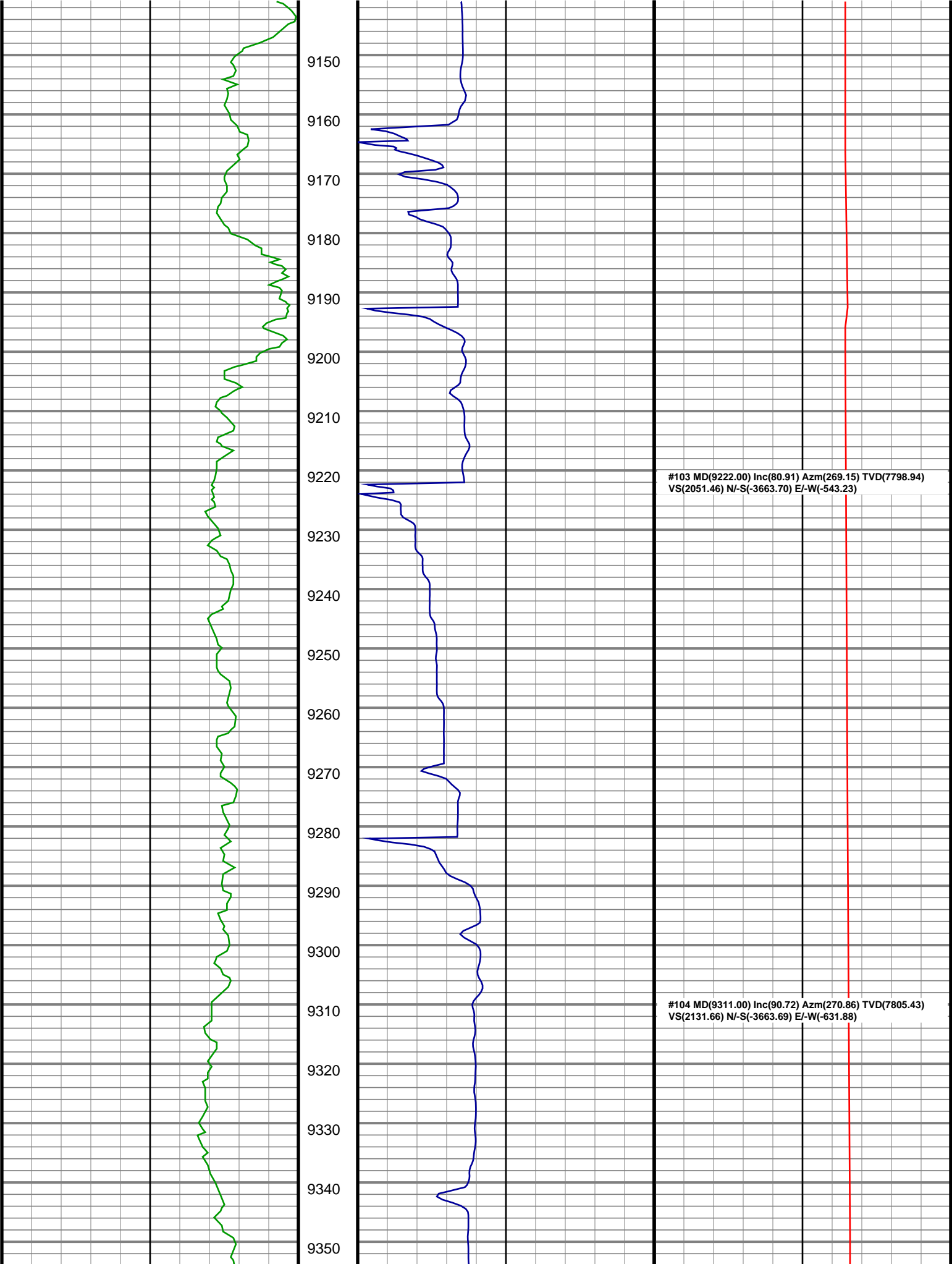


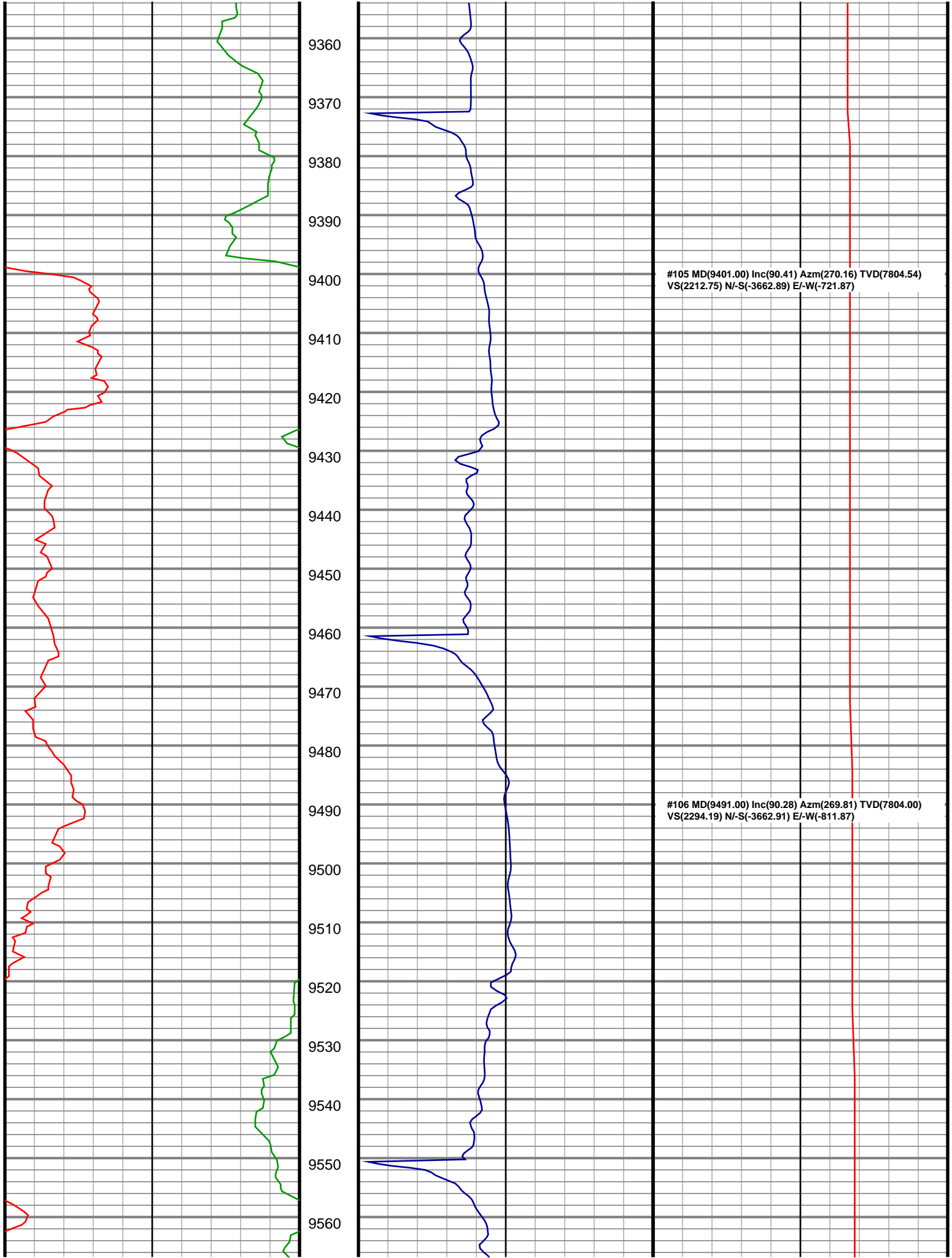


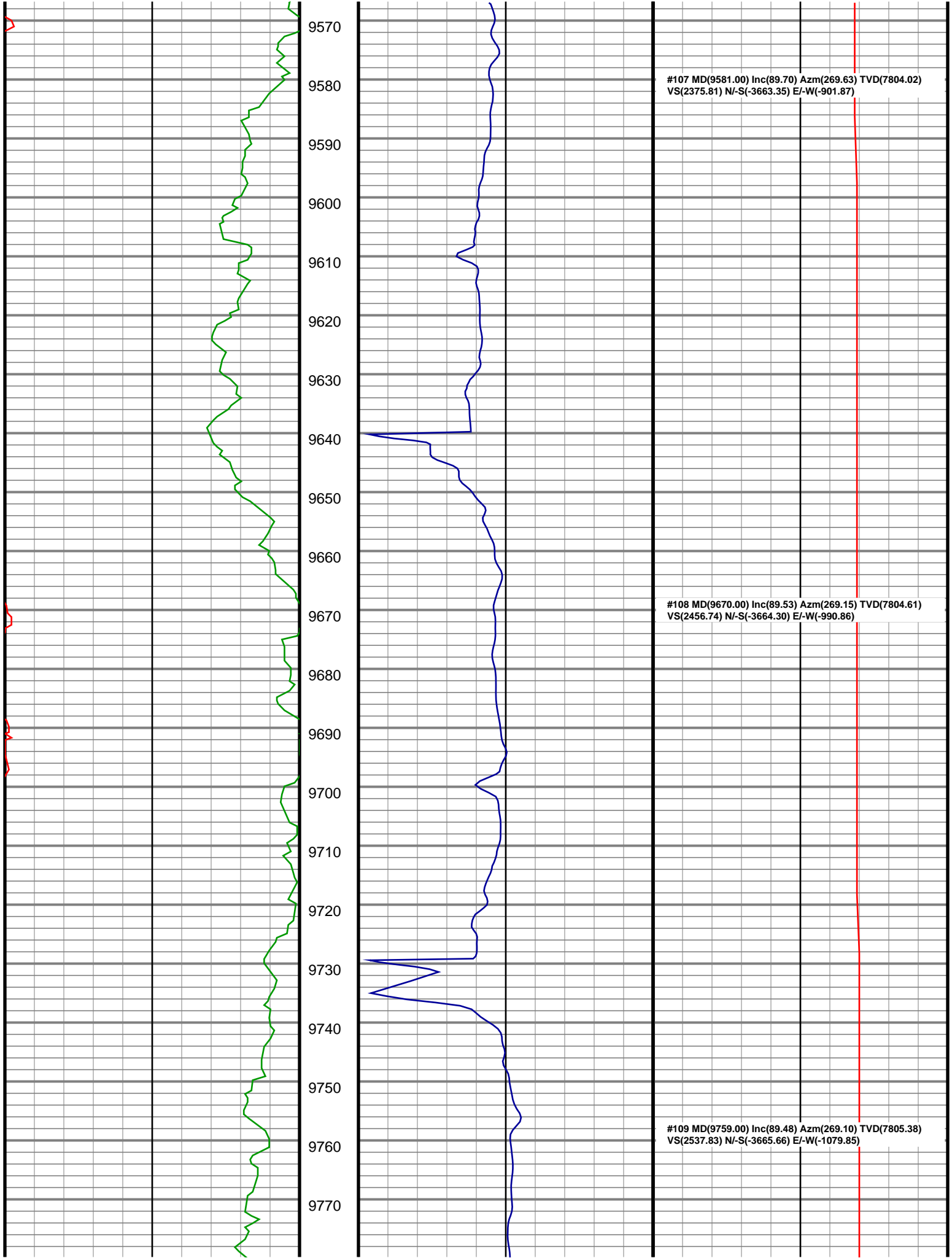


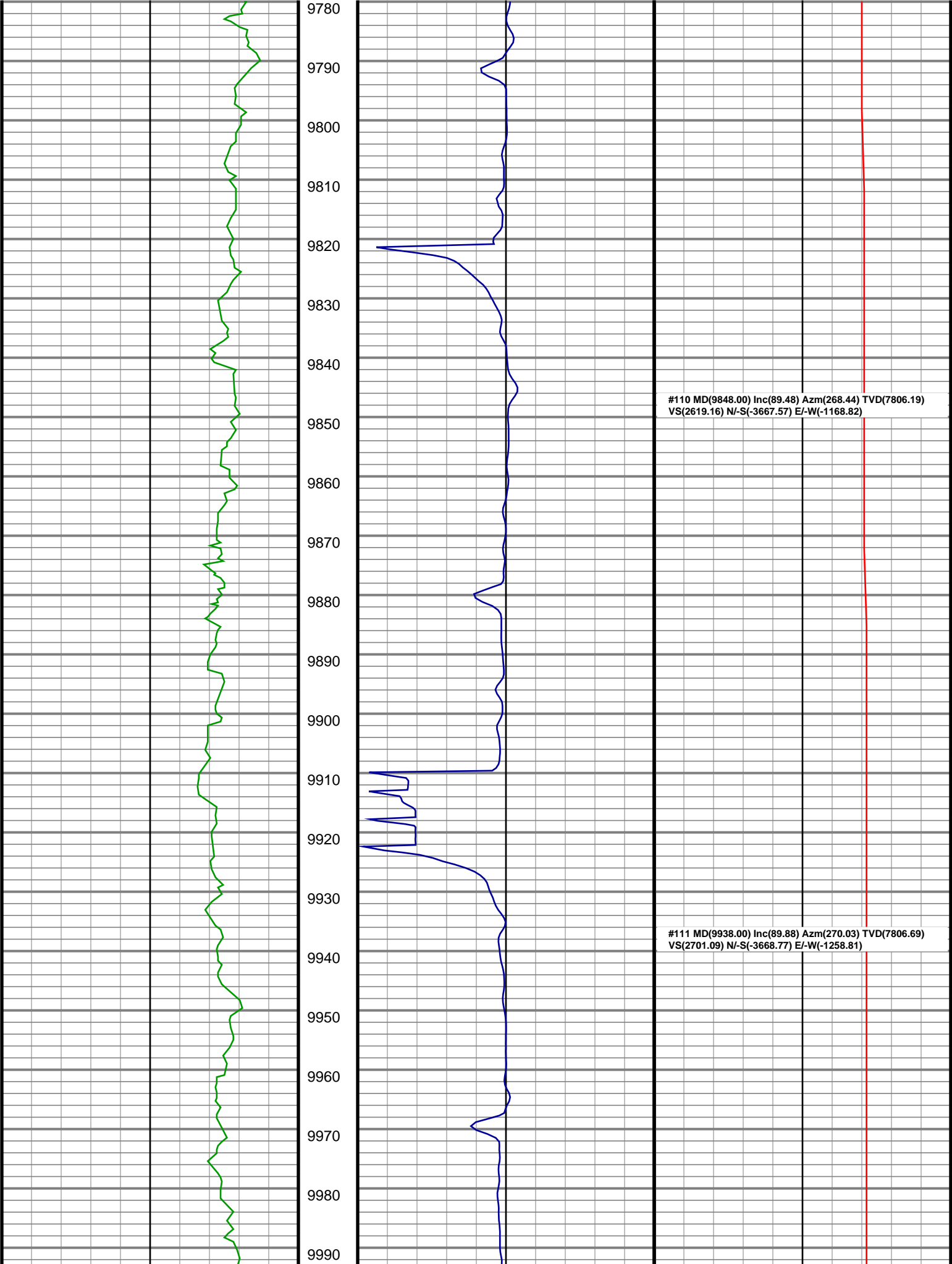




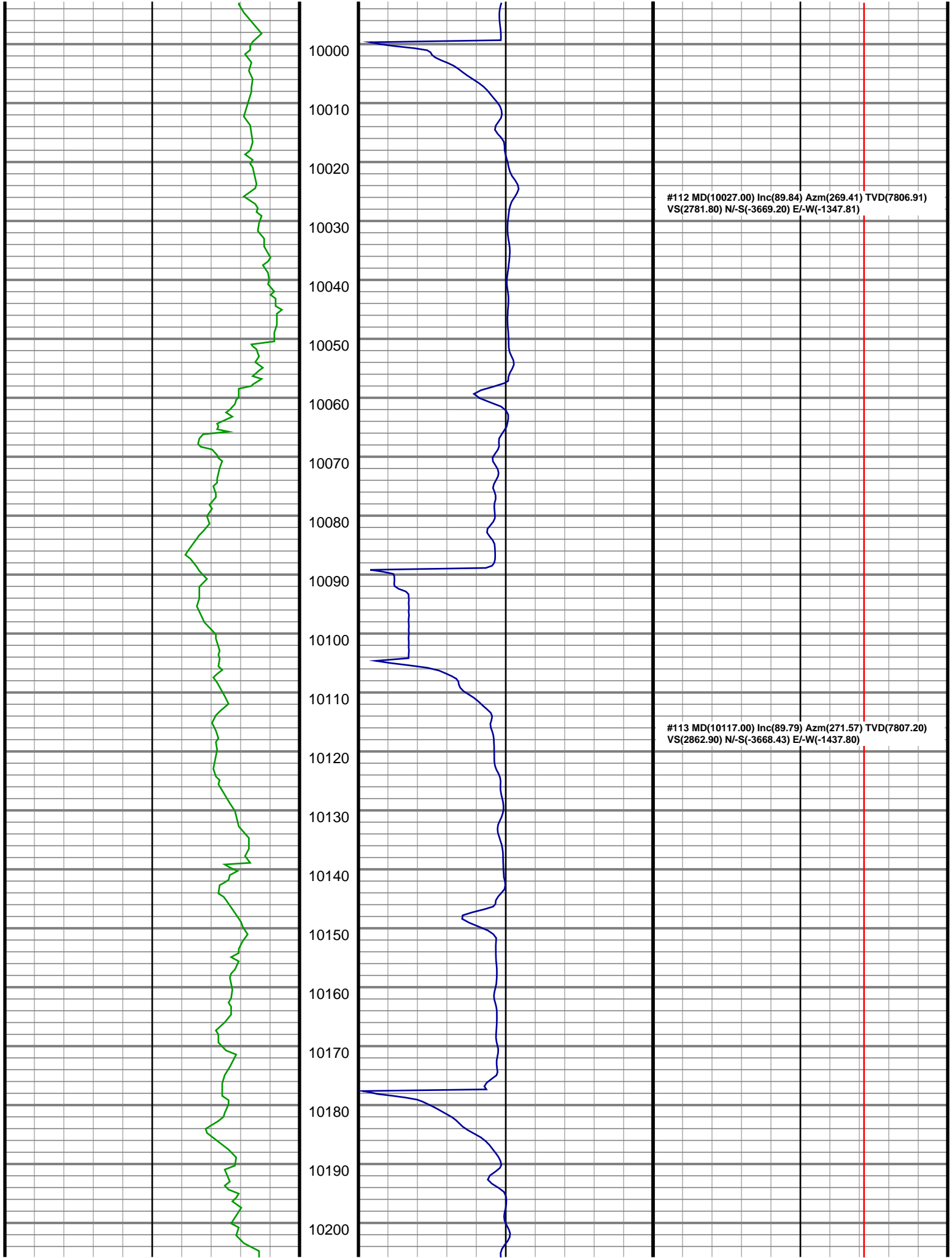


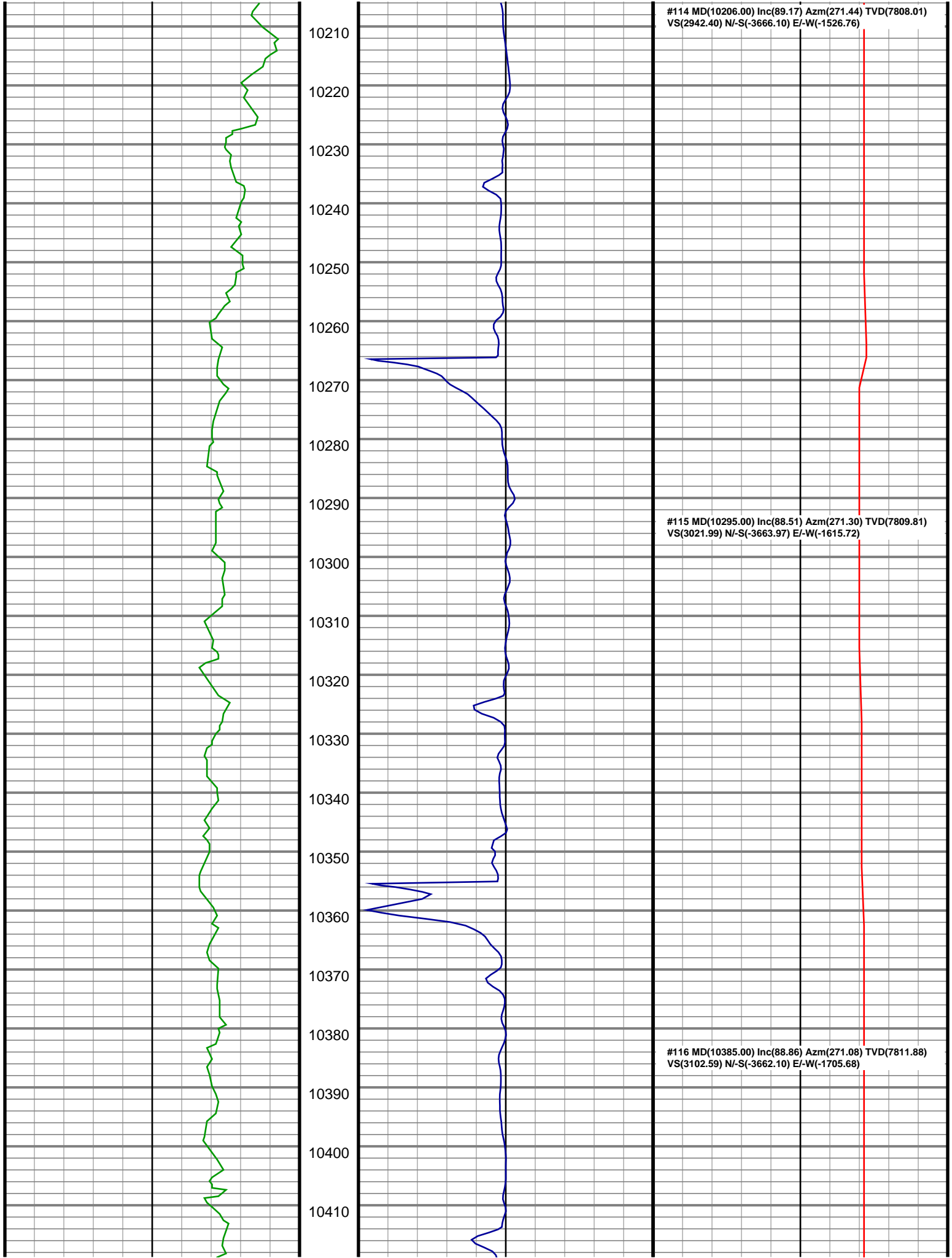


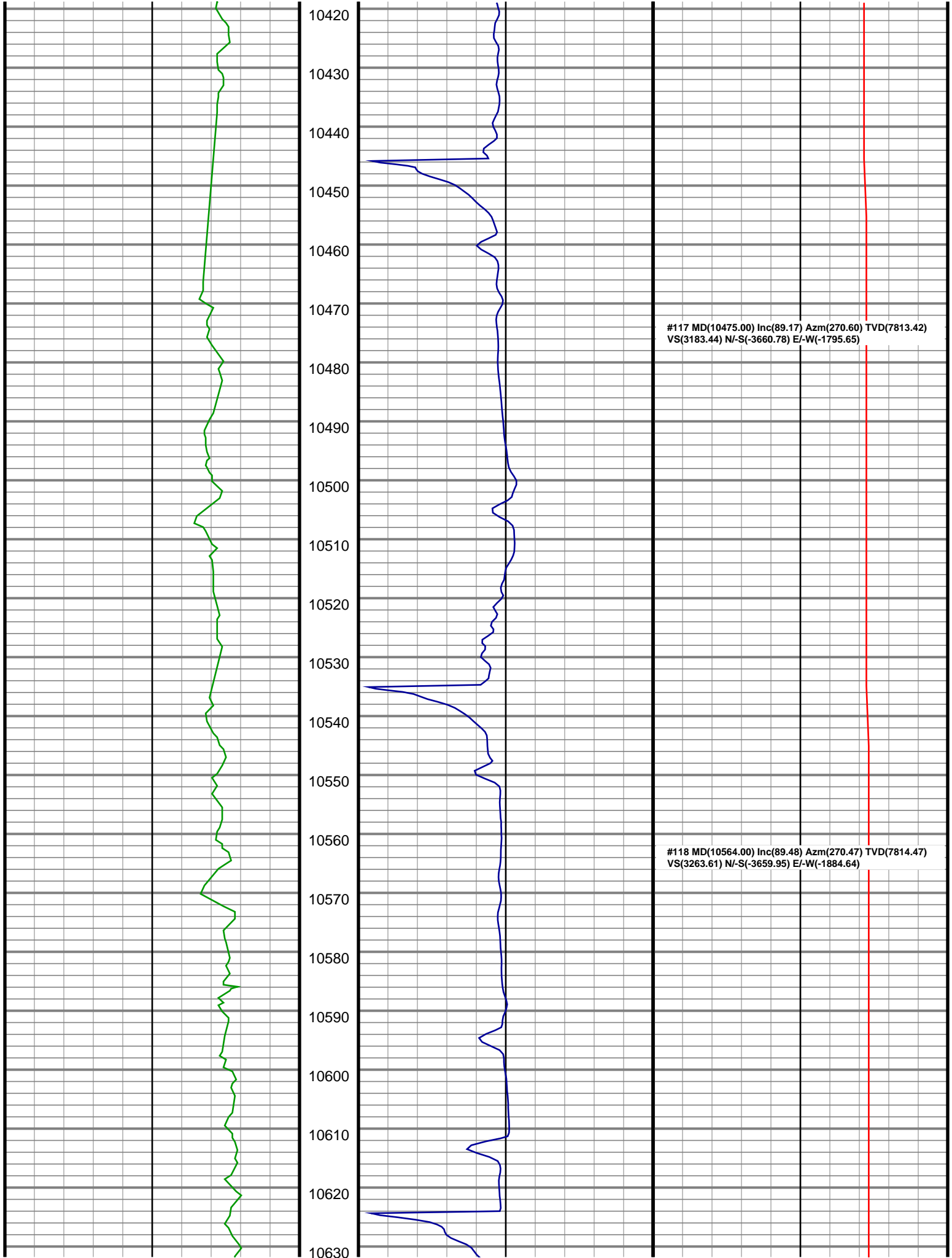


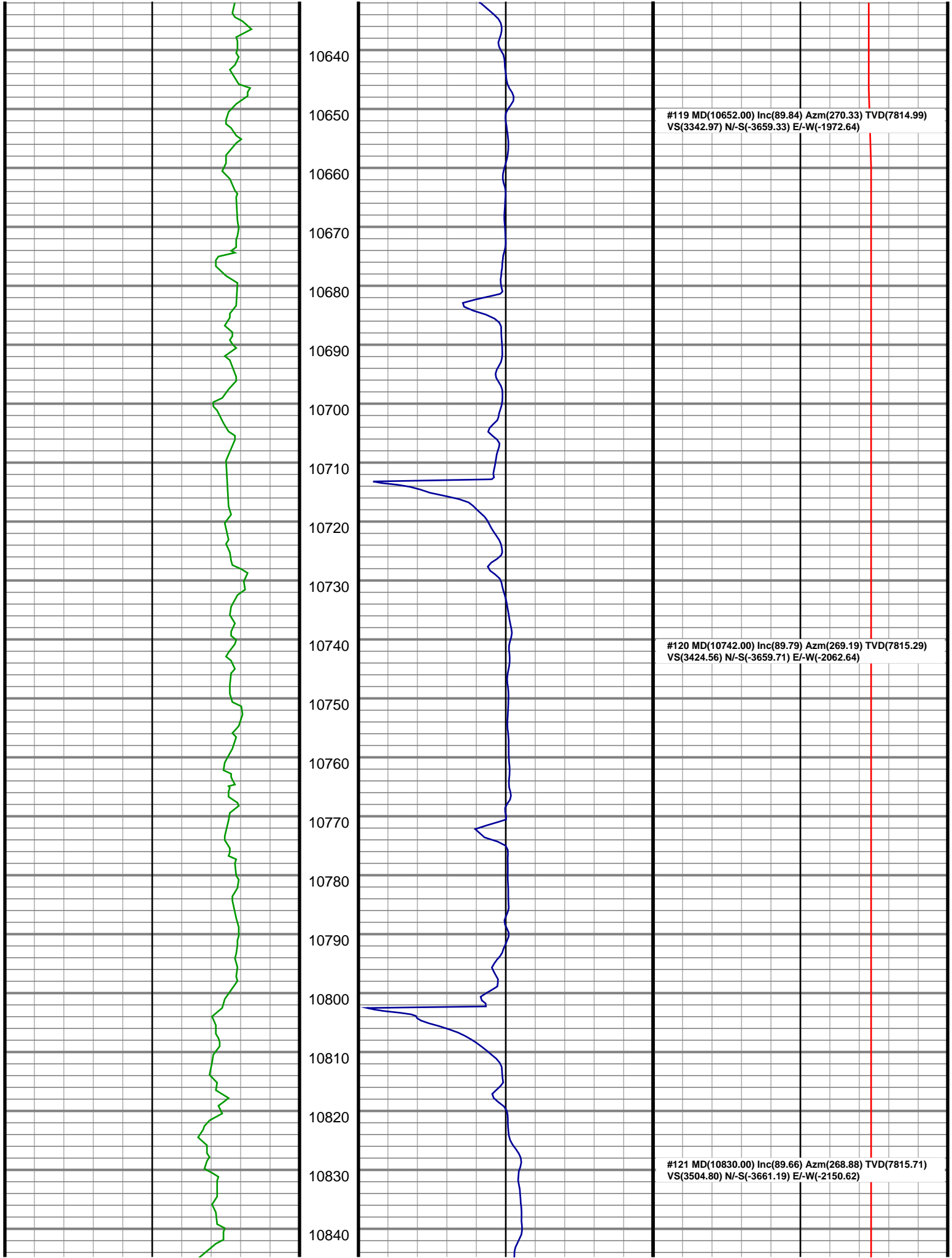












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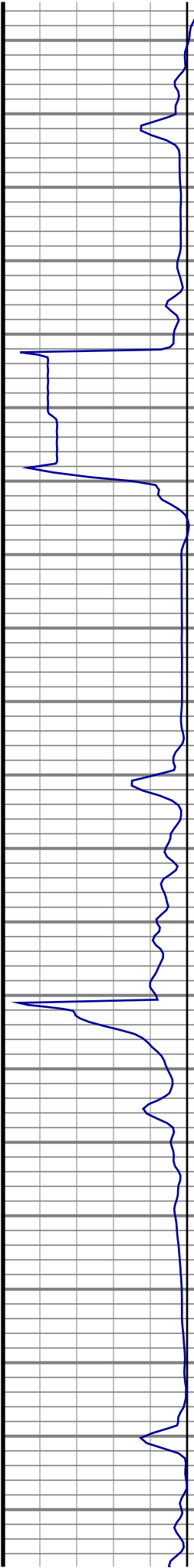
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#120 MD(10742.00) Inc(89.79) Azm(269.19) TVD(7815.29)  
VS(3424.56) N/-S(-3659.71) E/-W(-2062.64)

#121 MD(10830.00) Inc(89.66) Azm(268.88) TVD(7815.71)  
VS(3504.80) N/-S(-3661.19) E/-W(-2150.62)



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#122 MD(10920.00) Inc(90.59) Azm(270.64) TVD(7815.51)  
VS(3586.39) N/-S(-3661.57) E/-W(-2240.62)

#123 MD(11009.00) Inc(90.85) Azm(270.16) TVD(7814.39)  
VS(3666.65) N/-S(-3660.95) E/-W(-2329.61)

