State North Platte F-J-26HNB

MD
5":100'

Company:	Bonanza Creek Energy Operating
Well Name:	State North Platte F-J-26HNB
API:	05-123-37093-00
Rig Id:	Ensign 136
State:	CO
County/Parish:	Weld
Country:	USA
Survey Company:	Ensign Directional
Job number:	385
Comany Rep	Kenny Grahm
Geologist	Brant Logan
Directional Driller 1	Breven Williams
Directioanl Driller 2	Joe Dupre
LWD/MWD 1	Wade Eldridge
LWD/MWD 2	Chane Finkenbinder

Log measurements:
Depth measured from:
Maximum temperature:

	Depth	Date
Start:	5600 ft	11/26/2013
End:	10758 ft	12/02/2013

Casing	Depth	Size
Surface:	476	9 5/8
Intermediate:	6766	7
Intermediate2:	10758	4 1/2

Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4577
GL: 4565
DF: 4577

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	13.5	0.00	0.00	0	481	11/26/2013	11/26/2013
2	8.750	58.02	53.02	5700	6763	11/27/2013	11/29/2013
3	6.12	58.53	53.53	6763	10758	11/30/2013	12/02/2013
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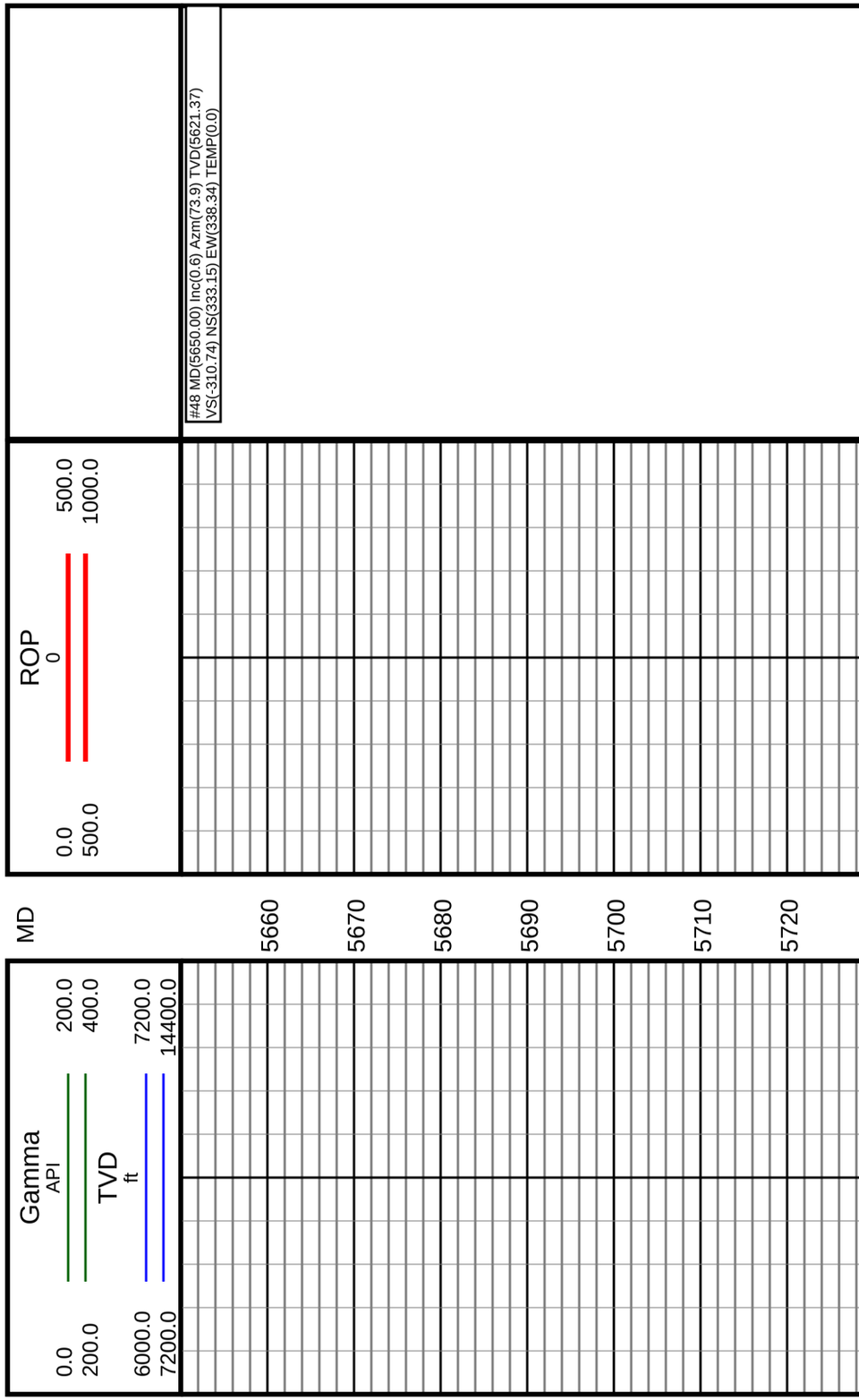
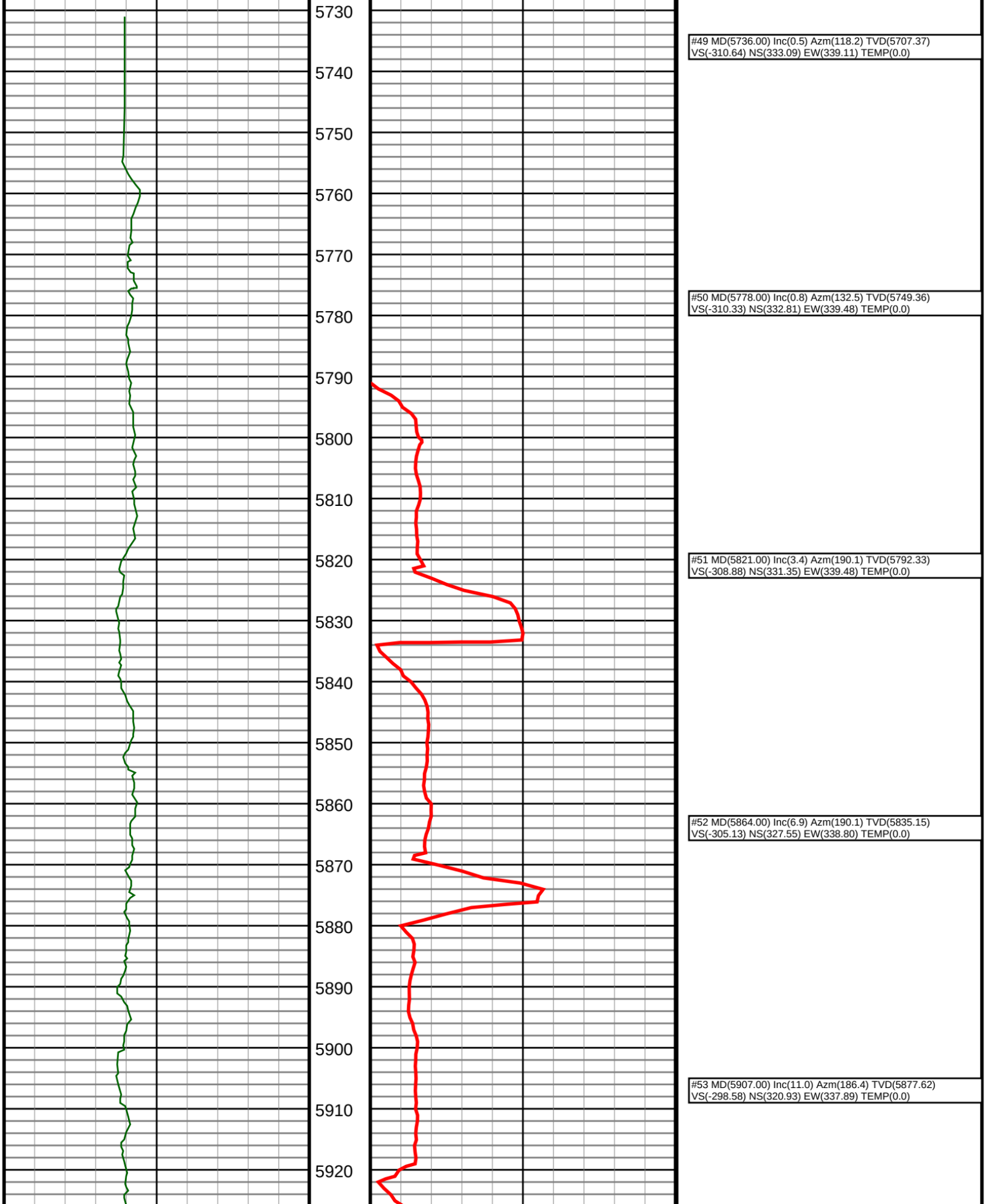
Ensign Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

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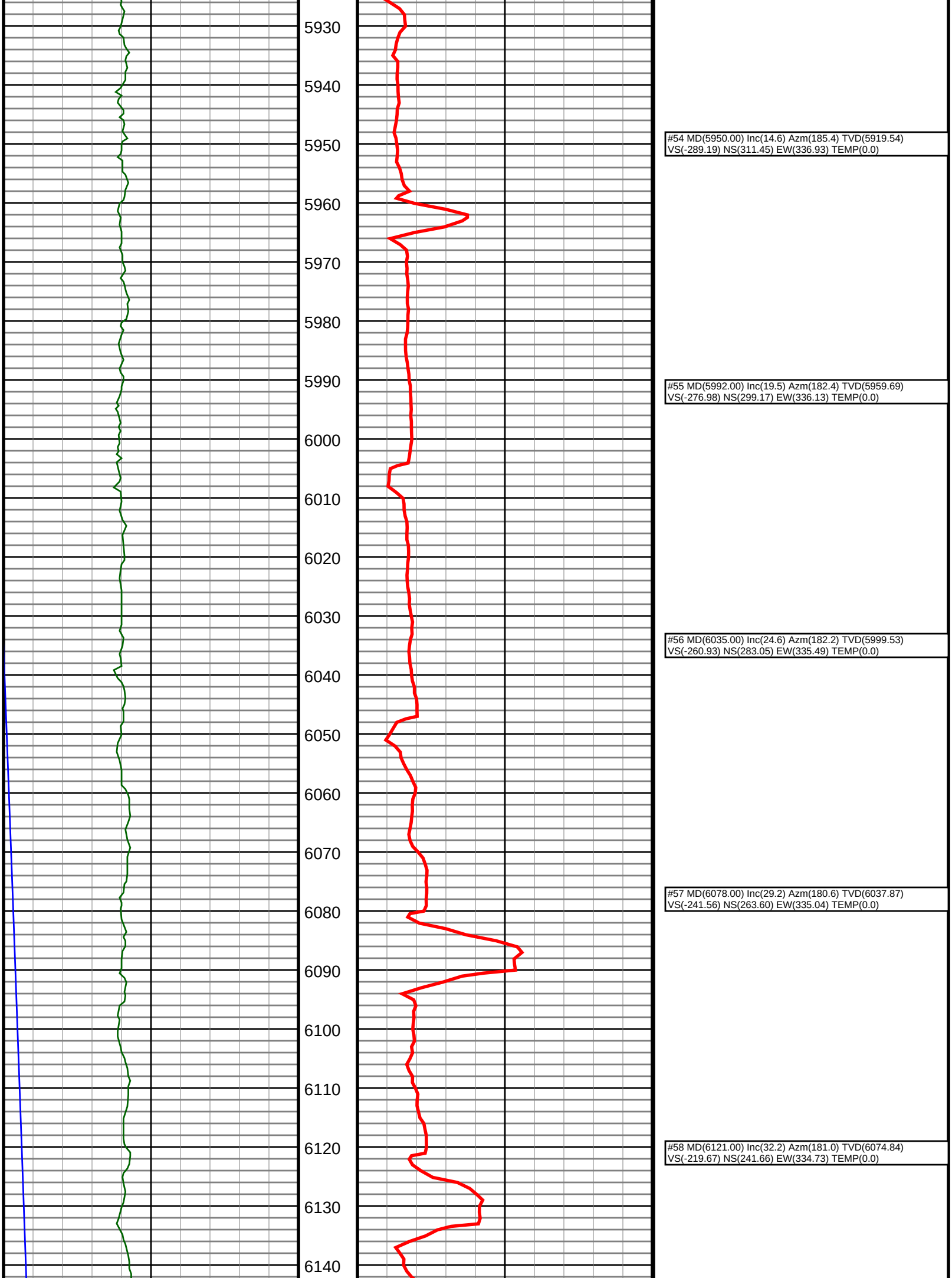
#49 MD(5736.00) Inc(0.5) Azm(118.2) TVD(5707.37)
VS(-310.64) NS(333.09) EW(339.11) TEMP(0.0)
#50 MD(5778.00) Inc(0.8) Azm(132.5) TVD(5749.36)
VS(-310.33) NS(332.81) EW(339.48) TEMP(0.0)
#51 MD(5821.00) Inc(3.4) Azm(190.1) TVD(5792.33)
VS(-308.88) NS(331.35) EW(339.48) TEMP(0.0)
#52 MD(5864.00) Inc(6.9) Azm(190.1) TVD(5835.15)
VS(-305.13) NS(327.55) EW(338.80) TEMP(0.0)
#53 MD(5907.00) Inc(11.0) Azm(186.4) TVD(5877.62)
VS(-298.58) NS(320.93) EW(337.89) TEMP(0.0)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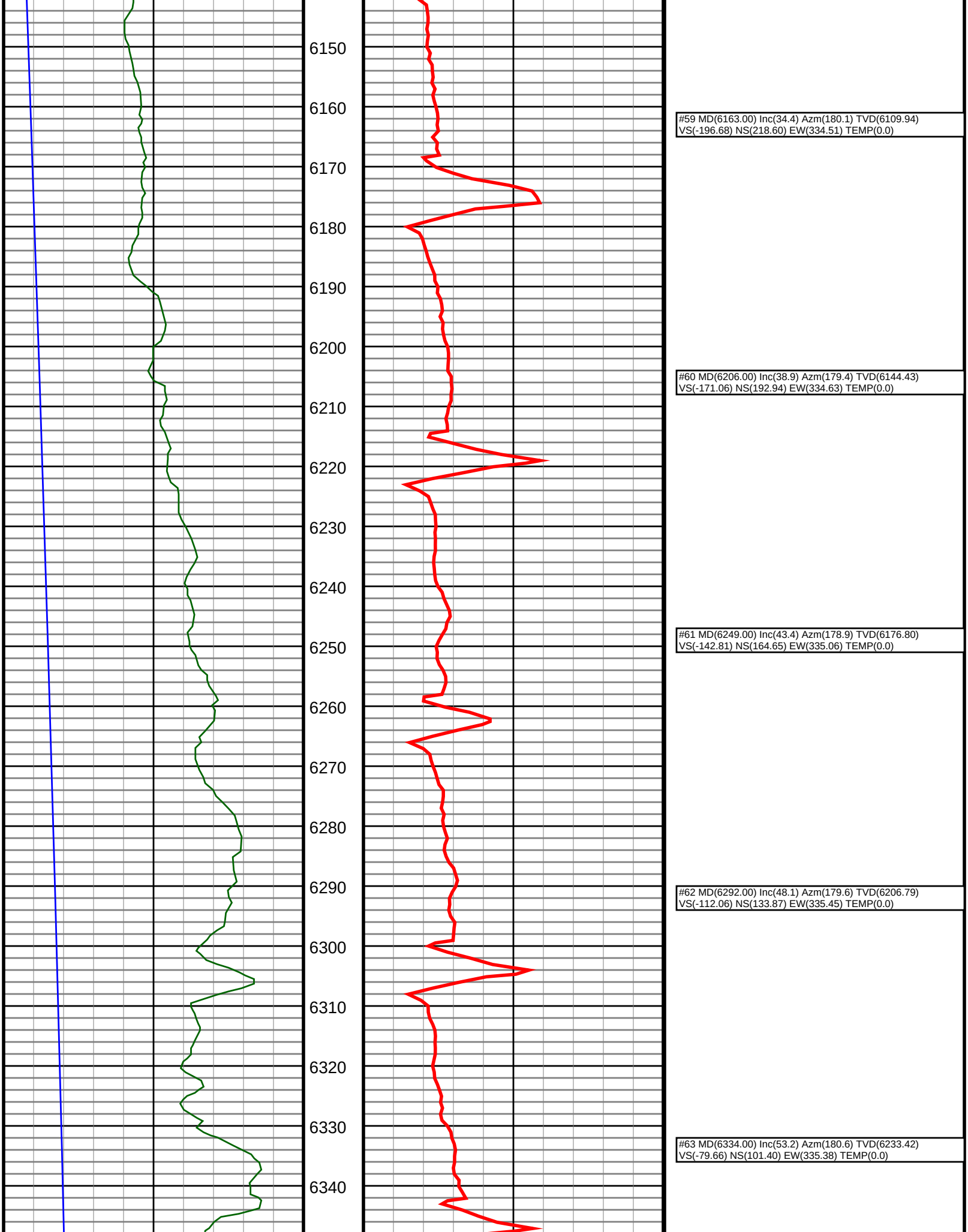
#54 MD(5950.00) Inc(14.6) Azm(185.4) TVD(5919.54)
VS(-289.19) NS(311.45) EW(336.93) TEMP(0.0)
#55 MD(5992.00) Inc(19.5) Azm(182.4) TVD(5959.69)
VS(-276.98) NS(299.17) EW(336.13) TEMP(0.0)
#56 MD(6035.00) Inc(24.6) Azm(182.2) TVD(5999.53)
VS(-260.93) NS(283.05) EW(335.49) TEMP(0.0)
#57 MD(6078.00) Inc(29.2) Azm(180.6) TVD(6037.87)
VS(-241.56) NS(263.60) EW(335.04) TEMP(0.0)
#58 MD(6121.00) Inc(32.2) Azm(181.0) TVD(6074.84)
VS(-219.67) NS(241.66) EW(334.73) TEMP(0.0)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#60 MD(6206.00) Inc(38.9) Azm(179.4) TVD(6144.43)
VS(-171.06) NS(192.94) EW(334.63) TEMP(0.0)
#61 MD(6249.00) Inc(43.4) Azm(178.9) TVD(6176.80)
VS(-142.81) NS(164.65) EW(335.06) TEMP(0.0)
#62 MD(6292.00) Inc(48.1) Azm(179.6) TVD(6206.79)
VS(-112.06) NS(133.87) EW(335.45) TEMP(0.0)
#63 MD(6334.00) Inc(53.2) Azm(180.6) TVD(6233.42)
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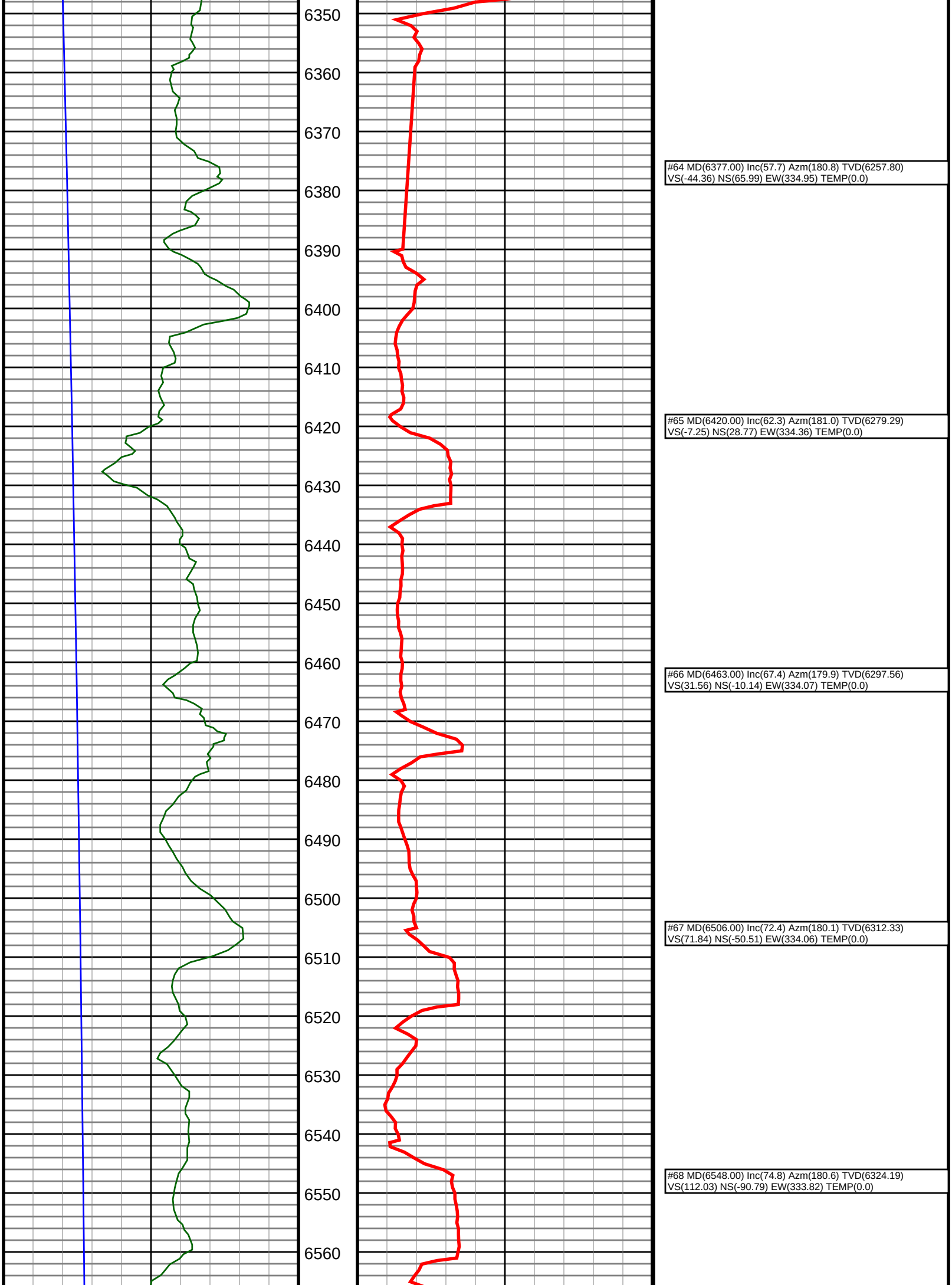
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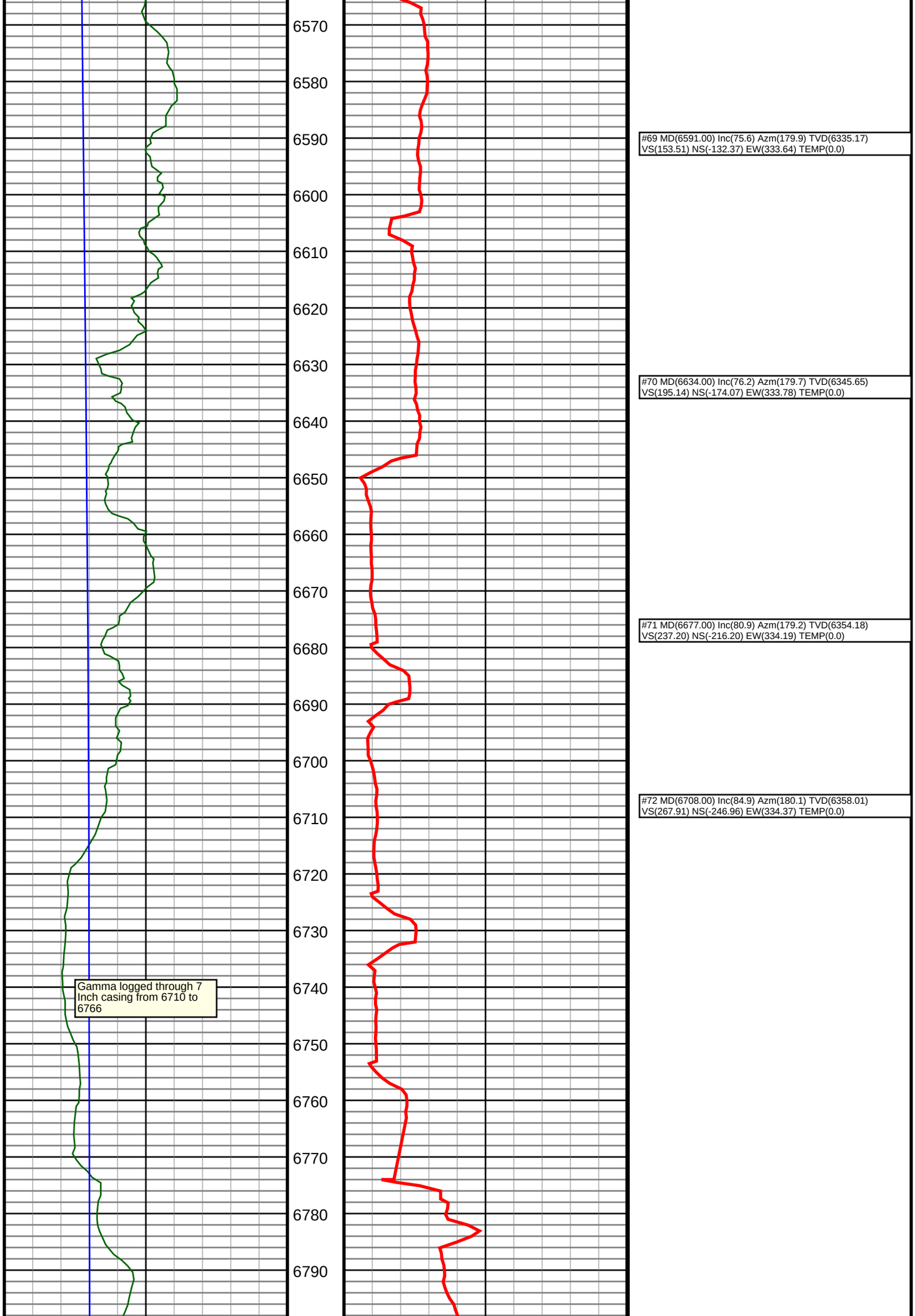
#65 MD(6420.00) Inc(62.3) Azm(181.0) TVD(6279.29)
VS(-7.25) NS(28.77) EW(334.36) TEMP(0.0)
#66 MD(6463.00) Inc(67.4) Azm(179.9) TVD(6297.56)
VS(31.56) NS(-10.14) EW(334.07) TEMP(0.0)
#67 MD(6506.00) Inc(72.4) Azm(180.1) TVD(6312.33)
VS(71.84) NS(-50.51) EW(334.06) TEMP(0.0)
#68 MD(6548.00) Inc(74.8) Azm(180.6) TVD(6324.19)
VS(112.03) NS(-90.79) EW(333.82) TEMP(0.0)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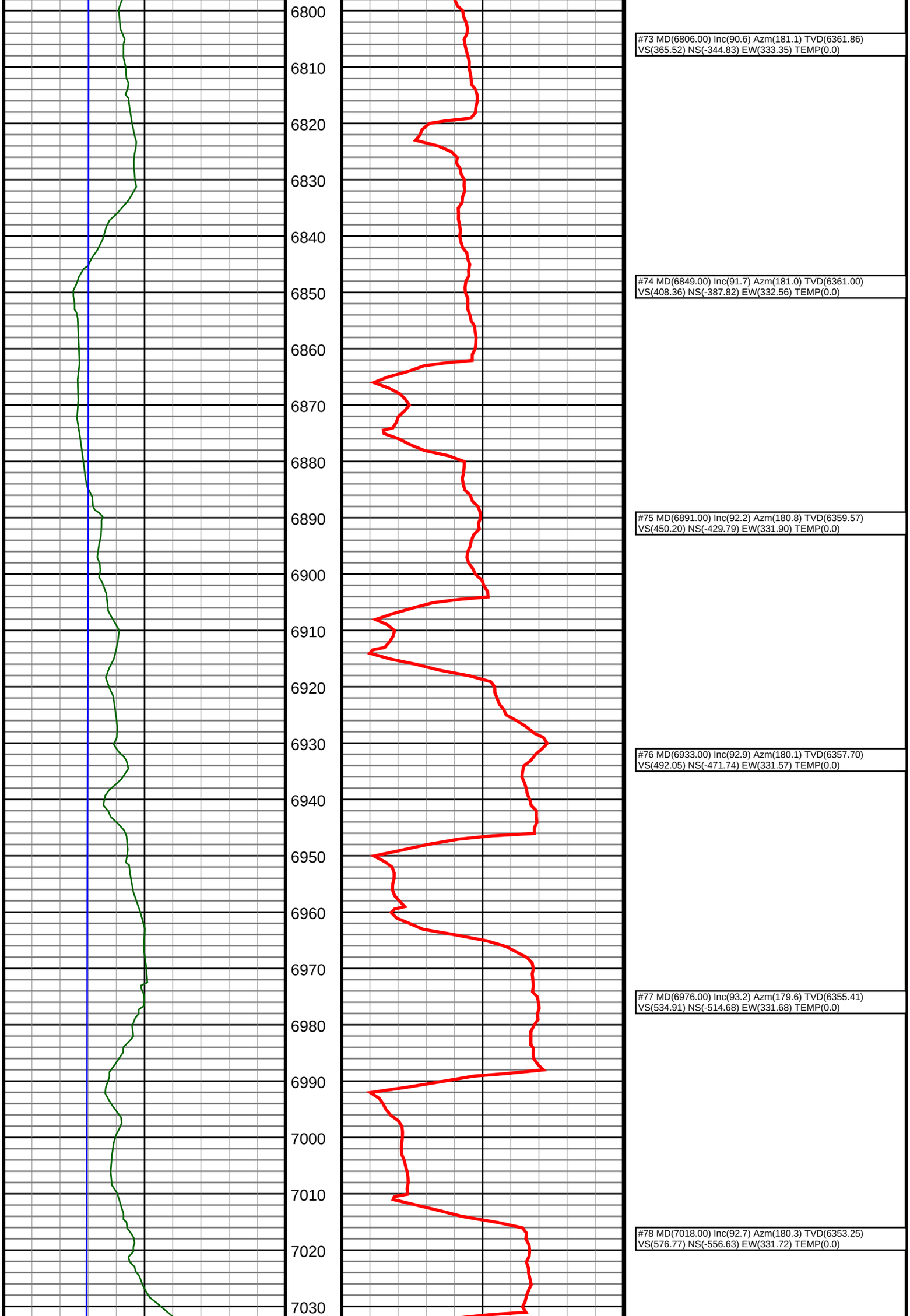
#69 MD(6591.00) Inc(75.6) Azm(179.9) TVD(6335.17)
VS(153.51) NS(-132.37) EW(333.64) TEMP(0.0)
#70 MD(6634.00) Inc(76.2) Azm(179.7) TVD(6345.65)
VS(195.14) NS(-174.07) EW(333.78) TEMP(0.0)
#71 MD(6677.00) Inc(80.9) Azm(179.2) TVD(6354.18)
VS(237.20) NS(-216.20) EW(334.19) TEMP(0.0)
#72 MD(6708.00) Inc(84.9) Azm(180.1) TVD(6358.01)
VS(267.91) NS(-246.96) EW(334.37) TEMP(0.0)
Gamma logged through 7 Inch casing from 6710 to 6766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VS(365.52) NS(-344.83) EW(333.35) TEMP(0.0)
#74 MD(6849.00) Inc(91.7) Azm(181.0) TVD(6361.00)
VS(408.36) NS(-387.82) EW(332.56) TEMP(0.0)
#75 MD(6891.00) Inc(92.2) Azm(180.8) TVD(6359.57)
VS(450.20) NS(-429.79) EW(331.90) TEMP(0.0)
#76 MD(6933.00) Inc(92.9) Azm(180.1) TVD(6357.70)
VS(492.05) NS(-471.74) EW(331.57) TEMP(0.0)
#77 MD(6976.00) Inc(93.2) Azm(179.6) TVD(6355.41)
VS(534.91) NS(-514.68) EW(331.68) TEMP(0.0)
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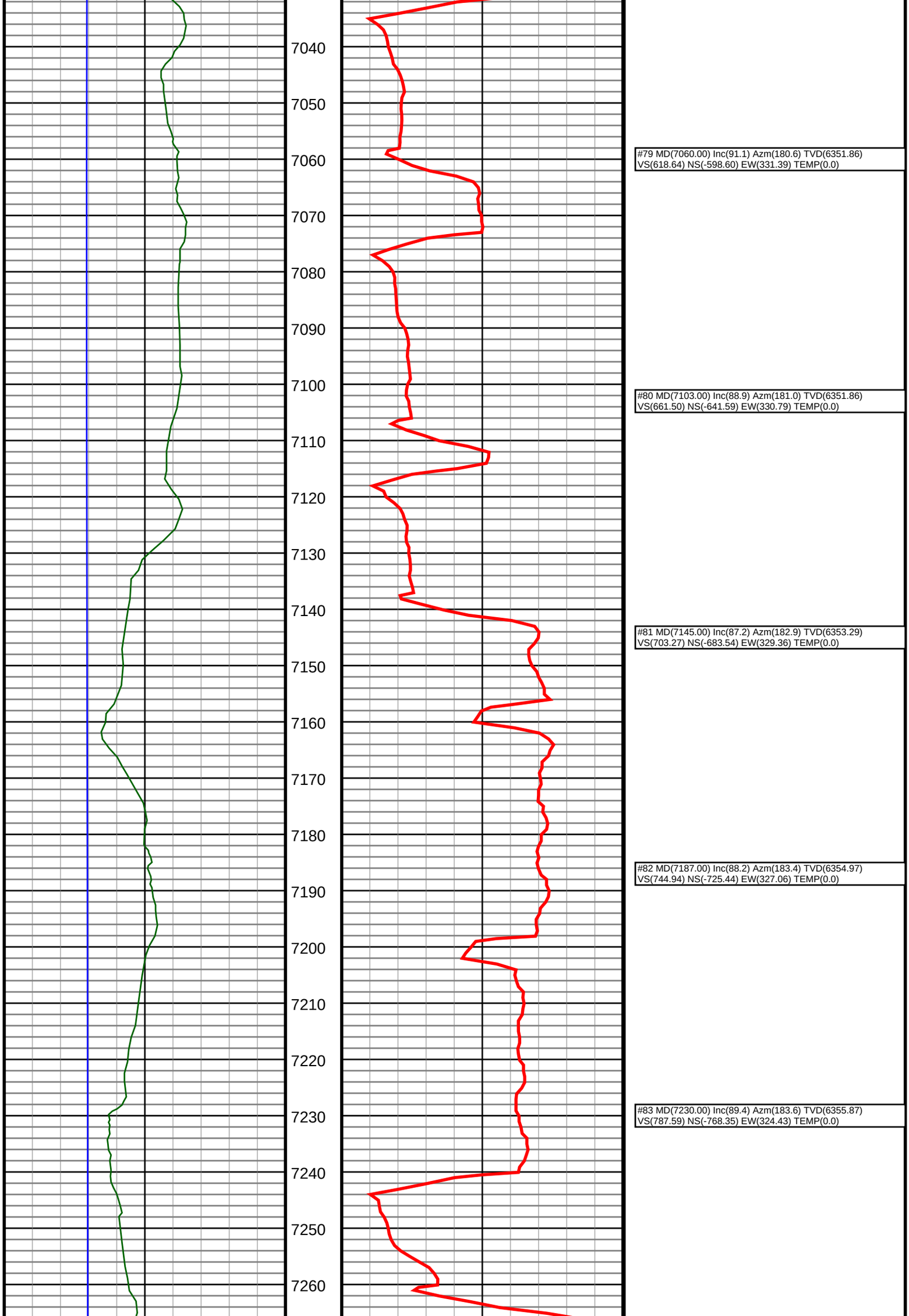
VS(576.77) NS(-556.63) EW(331.72) TEMP(0.0)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#79 MD(7060.00) Inc(91.1) Azm(180.6) TVD(6351.86)
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#80 MD(7103.00) Inc(88.9) Azm(181.0) TVD(6351.86)
VS(661.50) NS(-641.59) EW(330.79) TEMP(0.0)
#81 MD(7145.00) Inc(87.2) Azm(182.9) TVD(6353.29)
VS(703.27) NS(-683.54) EW(329.36) TEMP(0.0)
#82 MD(7187.00) Inc(88.2) Azm(183.4) TVD(6354.97)
VS(744.94) NS(-725.44) EW(327.06) TEMP(0.0)
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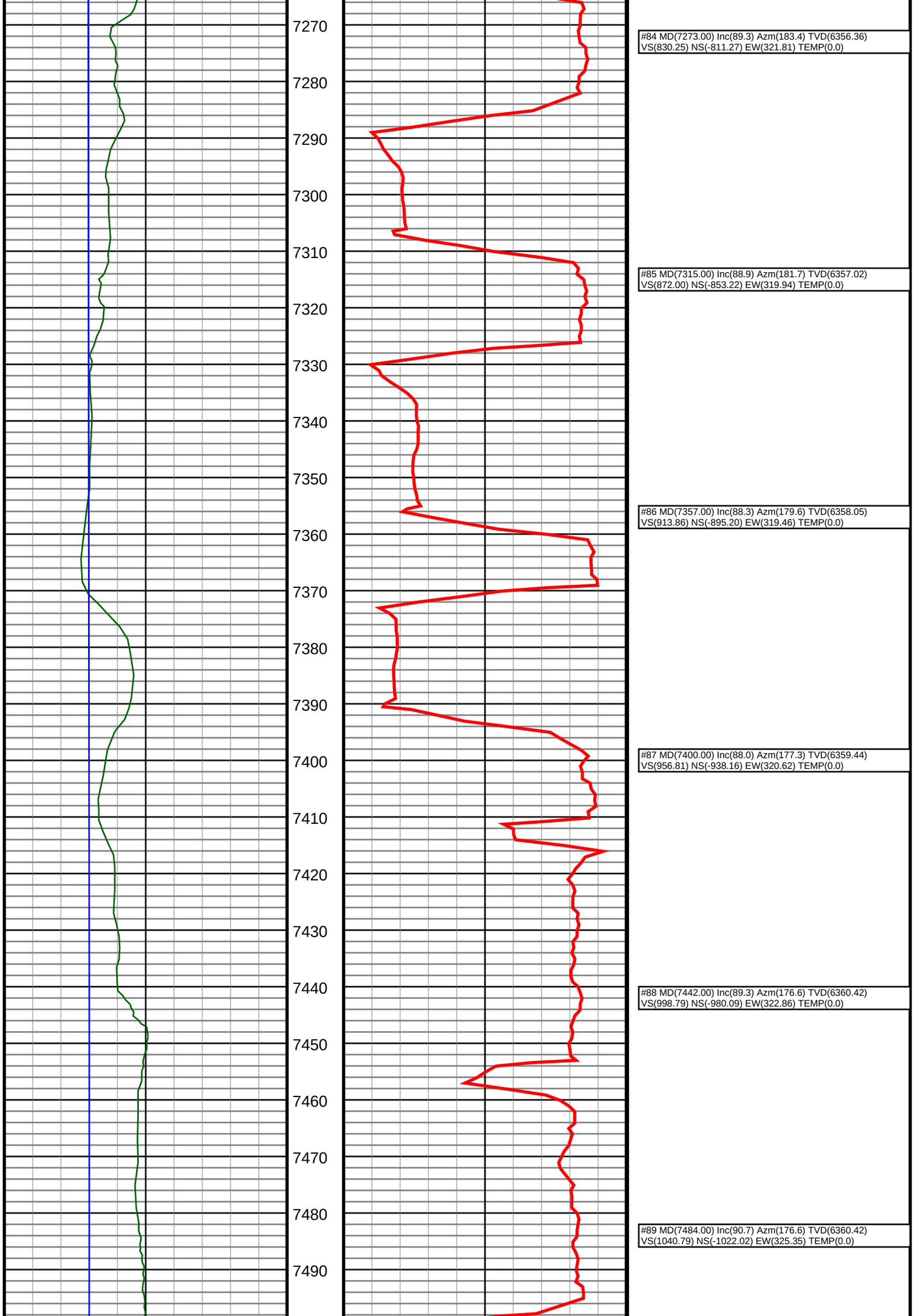
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#84 MD(7273.00) Inc(89.3) Azm(183.4) TVD(6356.36)
VS(830.25) NS(-811.27) EW(321.81) TEMP(0.0)
#85 MD(7315.00) Inc(88.9) Azm(181.7) TVD(6357.02)
VS(872.00) NS(-853.22) EW(319.94) TEMP(0.0)
#86 MD(7357.00) Inc(88.3) Azm(179.6) TVD(6358.05)
VS(913.86) NS(-895.20) EW(319.46) TEMP(0.0)
#87 MD(7400.00) Inc(88.0) Azm(177.3) TVD(6359.44)
VS(956.81) NS(-938.16) EW(320.62) TEMP(0.0)
#88 MD(7442.00) Inc(89.3) Azm(176.6) TVD(6360.42)
VS(998.79) NS(-980.09) EW(322.86) TEMP(0.0)
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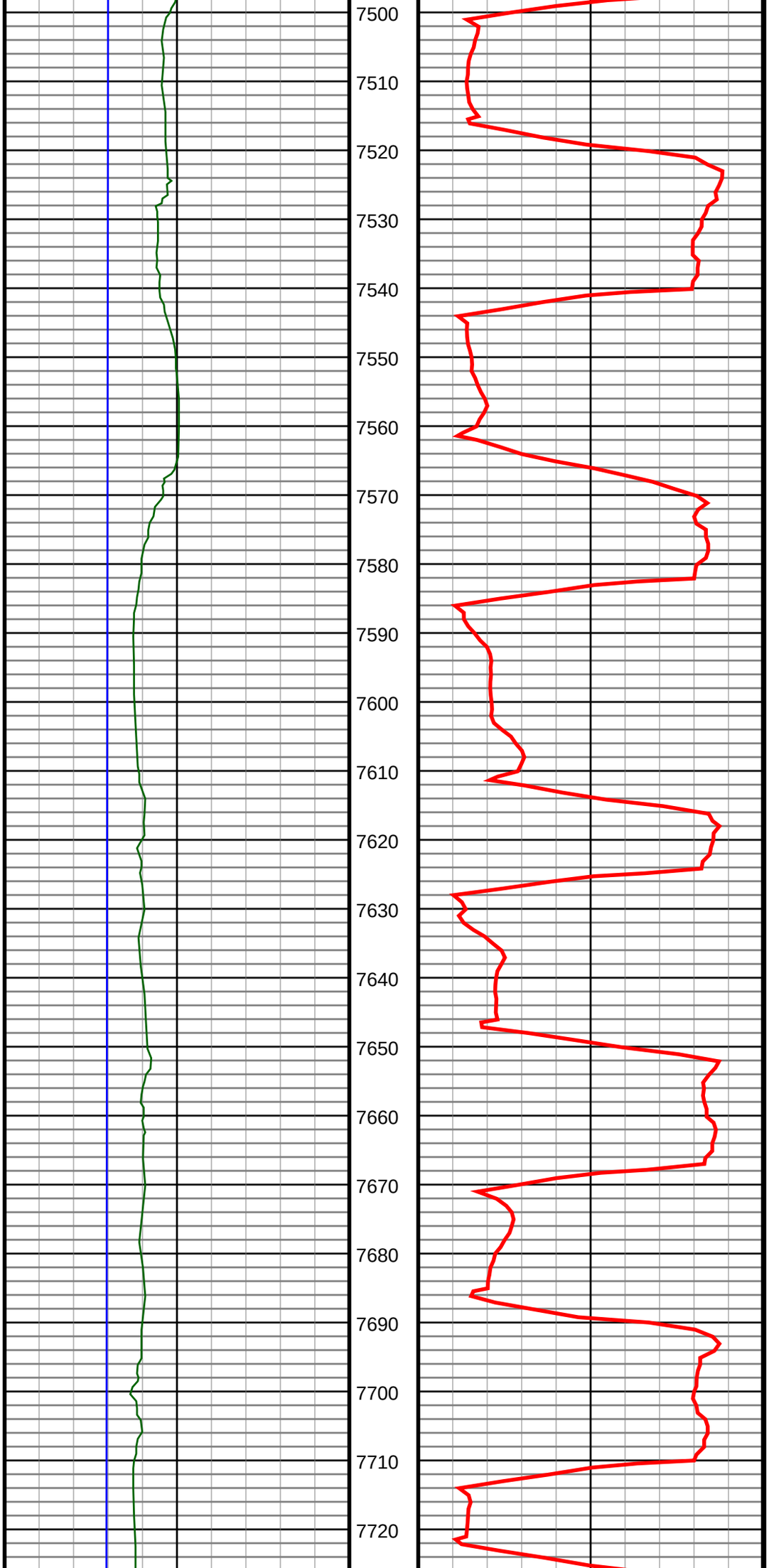

#90 MD(7527.00) Inc(91.7) Azm(177.1) TVD(6359.52)
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#91 MD(7569.00) Inc(92.0) Azm(178.7) TVD(6358.17)
VS(1125.74) NS(-1106.89) EW(329.25) TEMP(0.0)

#92 MD(7611.00) Inc(91.4) Azm(180.3) TVD(6356.92)
VS(1167.66) NS(-1148.87) EW(329.62) TEMP(0.0)

#93 MD(7654.00) Inc(91.1) Azm(182.9) TVD(6355.98)
VS(1210.46) NS(-1191.84) EW(328.42) TEMP(0.0)

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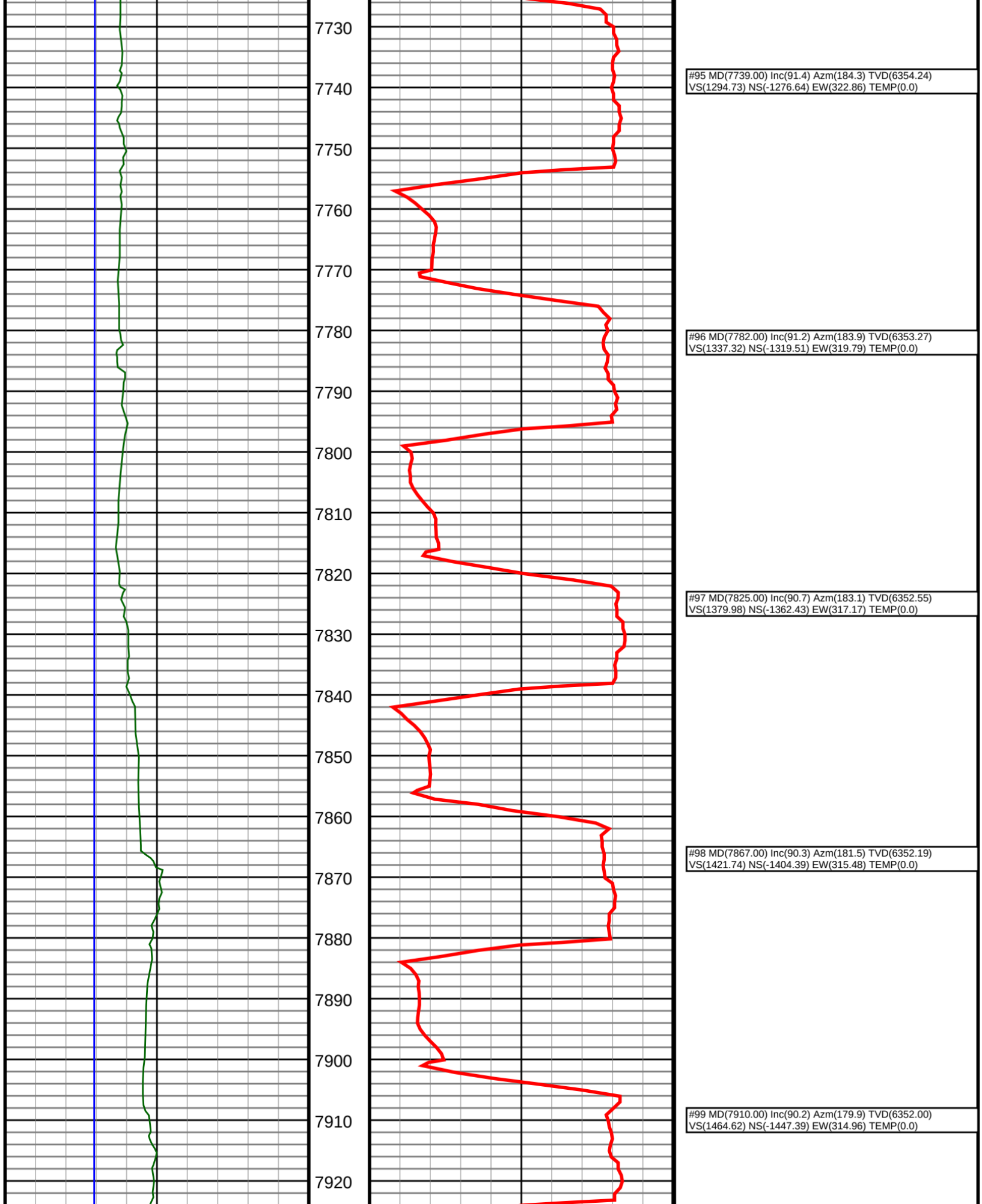
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#97 MD(7825.00) Inc(90.7) Azm(183.1) TVD(6352.55)
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#98 MD(7867.00) Inc(90.3) Azm(181.5) TVD(6352.19)
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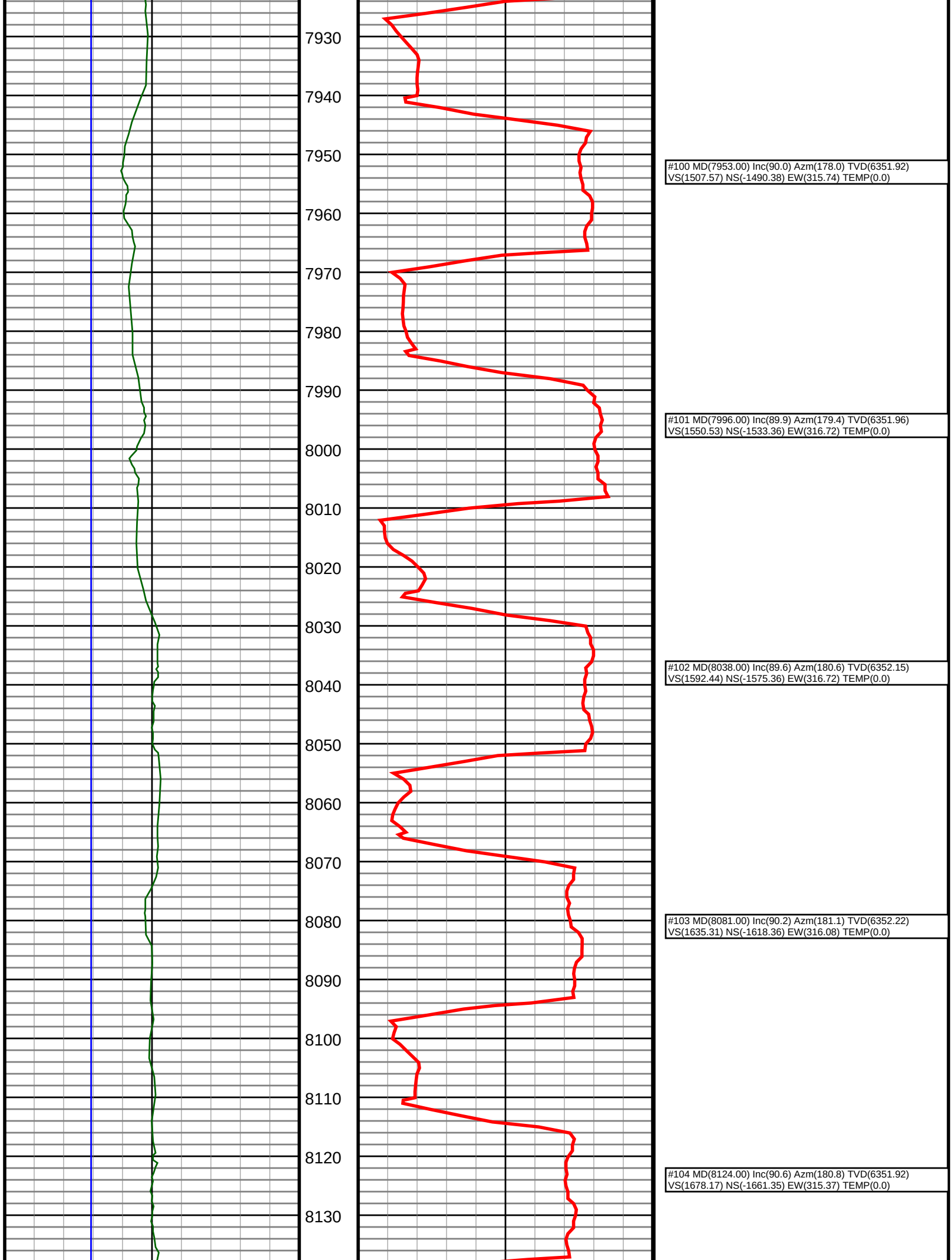
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VS(1507.57) NS(-1490.38) EW(315.74) TEMP(0.0)
#101 MD(7996.00) Inc(89.9) Azm(179.4) TVD(6351.96)
VS(1550.53) NS(-1533.36) EW(316.72) TEMP(0.0)
#102 MD(8038.00) Inc(89.6) Azm(180.6) TVD(6352.15)
VS(1592.44) NS(-1575.36) EW(316.72) TEMP(0.0)
#103 MD(8081.00) Inc(90.2) Azm(181.1) TVD(6352.22)
VS(1635.31) NS(-1618.36) EW(316.08) TEMP(0.0)
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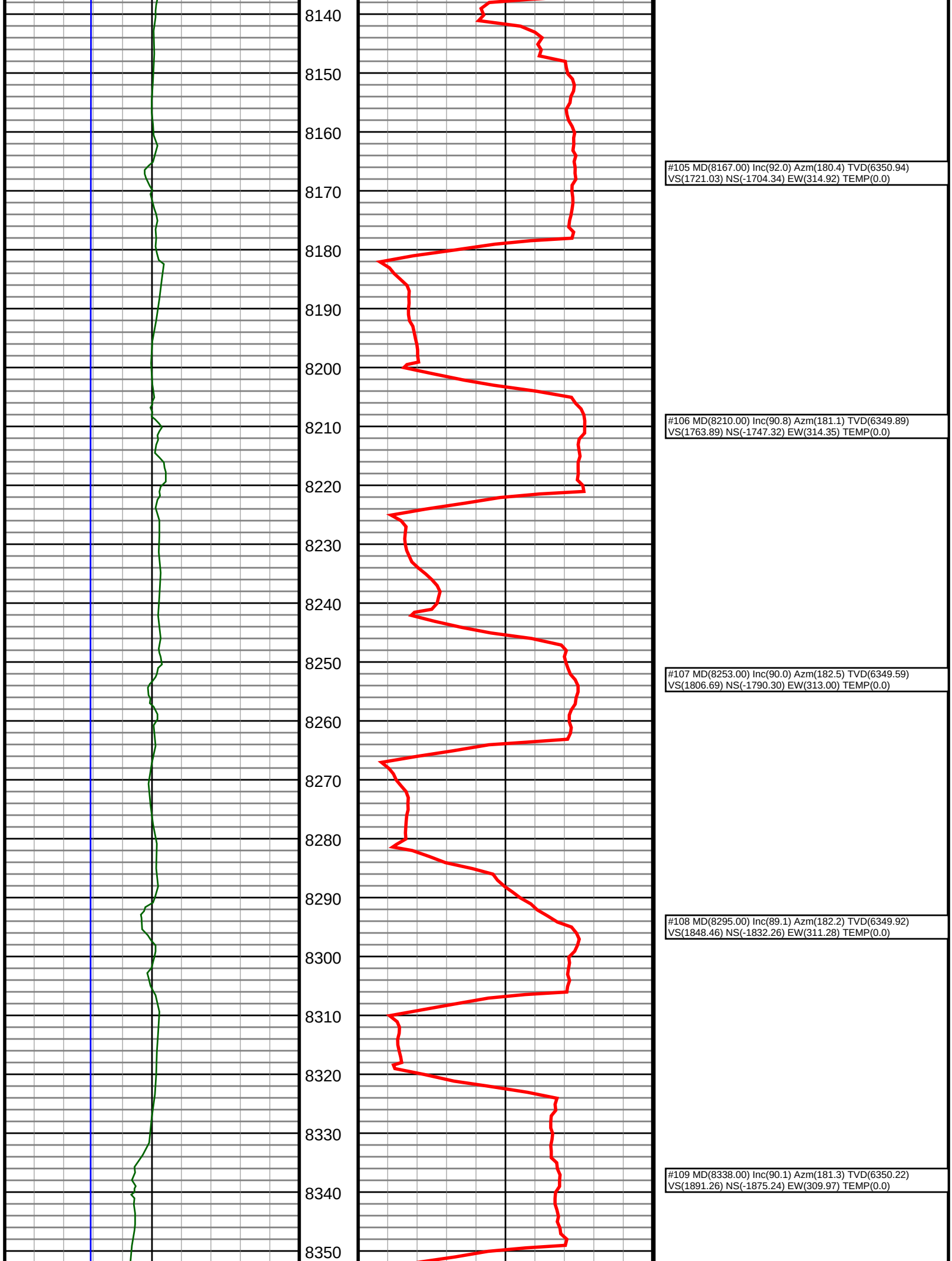
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VS(1721.03) NS(-1704.34) EW(314.92) TEMP(0.0)
#106 MD(8210.00) Inc(90.8) Azm(181.1) TVD(6349.89)
VS(1763.89) NS(-1747.32) EW(314.35) TEMP(0.0)
#107 MD(8253.00) Inc(90.0) Azm(182.5) TVD(6349.59)
VS(1806.69) NS(-1790.30) EW(313.00) TEMP(0.0)
#108 MD(8295.00) Inc(89.1) Azm(182.2) TVD(6349.92)
VS(1848.46) NS(-1832.26) EW(311.28) TEMP(0.0)
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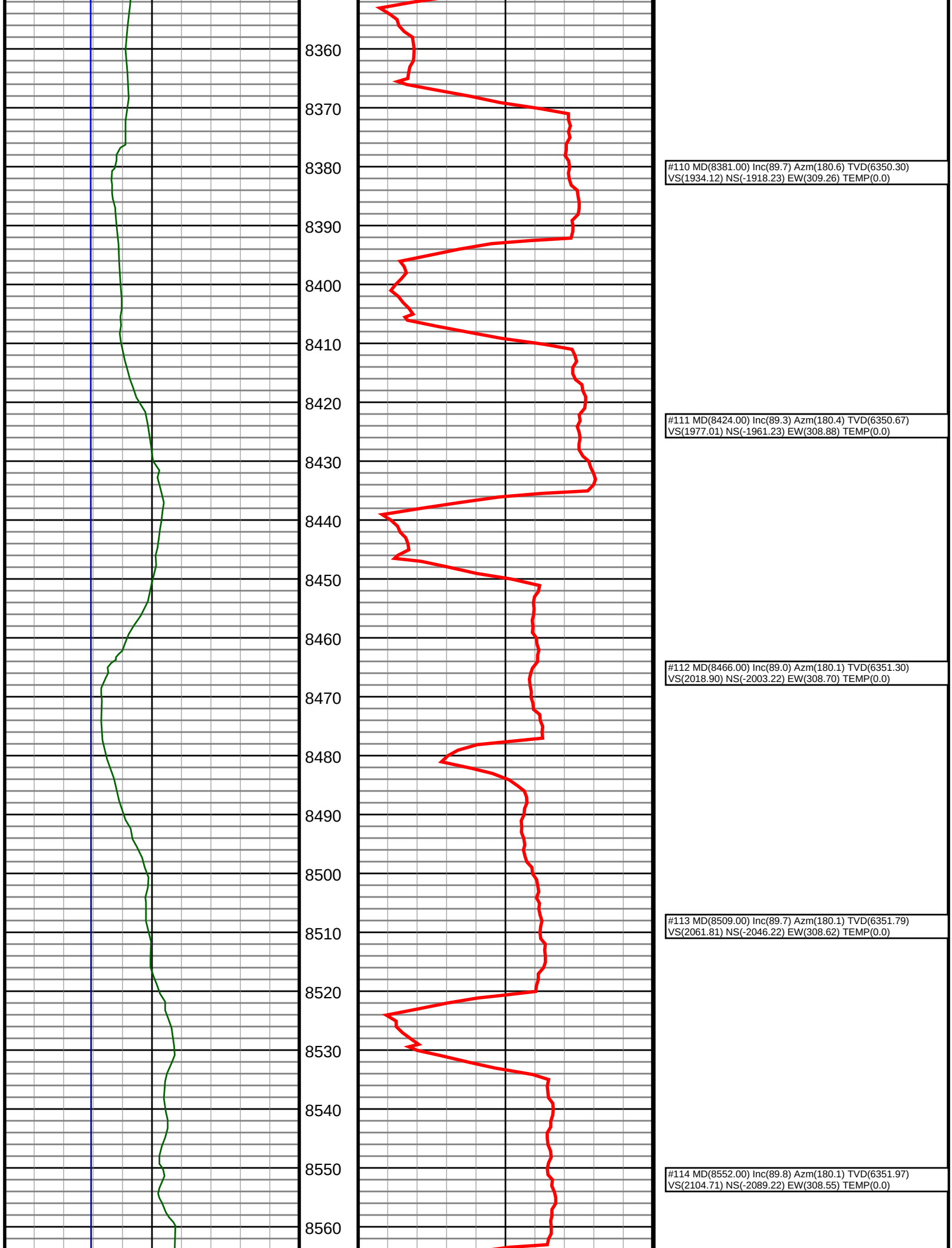
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#110 MD(8381.00) Inc(89.7) Azm(180.6) TVD(6350.30)
VS(1934.12) NS(-1918.23) EW(309.26) TEMP(0.0)
#111 MD(8424.00) Inc(89.3) Azm(180.4) TVD(6350.67)
VS(1977.01) NS(-1961.23) EW(308.88) TEMP(0.0)
#112 MD(8466.00) Inc(89.0) Azm(180.1) TVD(6351.30)
VS(2018.90) NS(-2003.22) EW(308.70) TEMP(0.0)
#113 MD(8509.00) Inc(89.7) Azm(180.1) TVD(6351.79)
VS(2061.81) NS(-2046.22) EW(308.62) TEMP(0.0)
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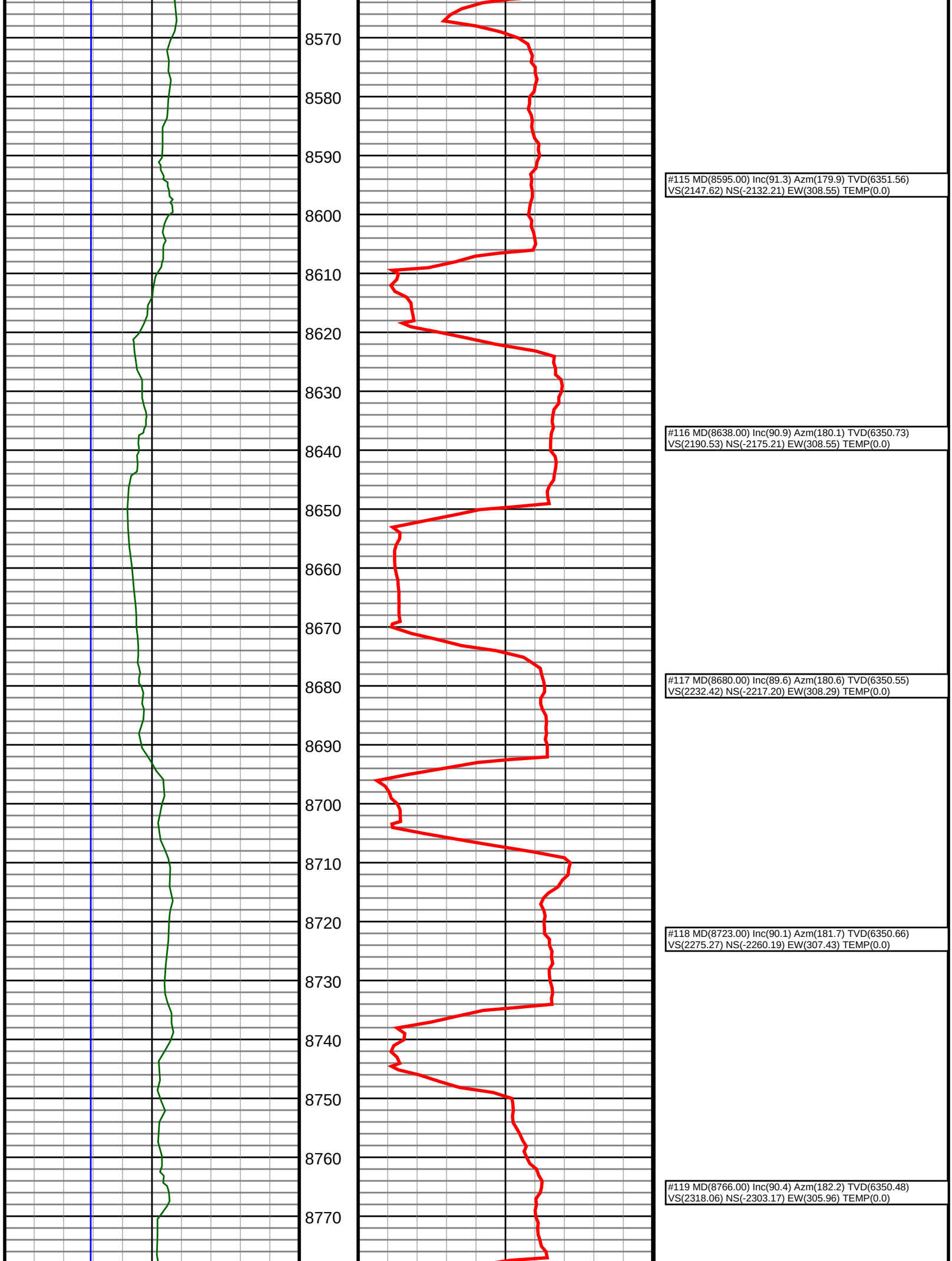
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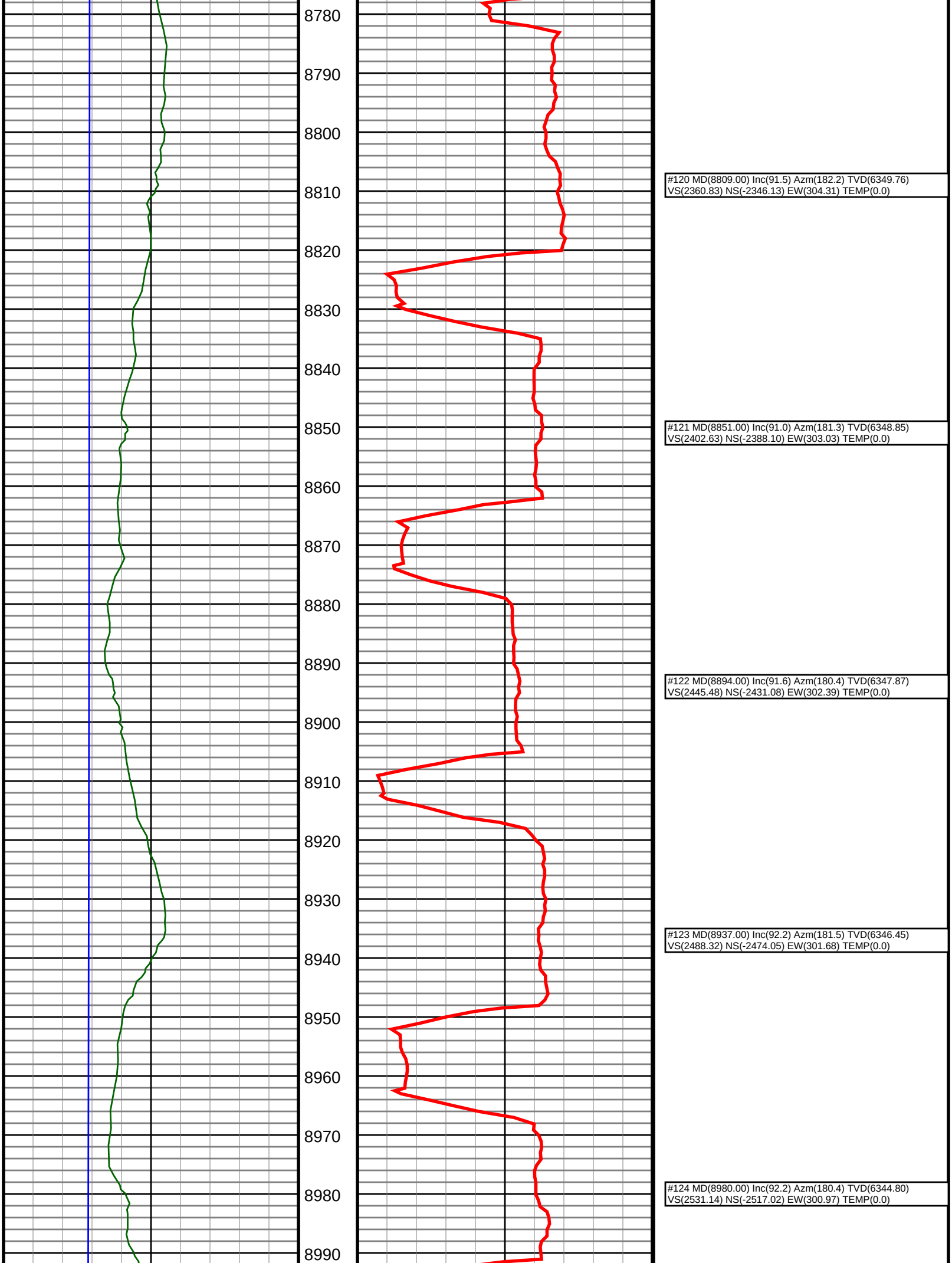
#115 MD(8595.00) Inc(91.3) Azm(179.9) TVD(6351.56)
VS(2147.62) NS(-2132.21) EW(308.55) TEMP(0.0)
#116 MD(8638.00) Inc(90.9) Azm(180.1) TVD(6350.73)
VS(2190.53) NS(-2175.21) EW(308.55) TEMP(0.0)
#117 MD(8680.00) Inc(89.6) Azm(180.6) TVD(6350.55)
VS(2232.42) NS(-2217.20) EW(308.29) TEMP(0.0)
#118 MD(8723.00) Inc(90.1) Azm(181.7) TVD(6350.66)
VS(2275.27) NS(-2260.19) EW(307.43) TEMP(0.0)
#119 MD(8766.00) Inc(90.4) Azm(182.2) TVD(6350.48)
VS(2318.06) NS(-2303.17) EW(305.96) TEMP(0.0)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VS(2360.83) NS(-2346.13) EW(304.31) TEMP(0.0)
#121 MD(8851.00) Inc(91.0) Azm(181.3) TVD(6348.85)
VS(2402.63) NS(-2388.10) EW(303.03) TEMP(0.0)
#122 MD(8894.00) Inc(91.6) Azm(180.4) TVD(6347.87)
VS(2445.48) NS(-2431.08) EW(302.39) TEMP(0.0)
#123 MD(8937.00) Inc(92.2) Azm(181.5) TVD(6346.45)
VS(2488.32) NS(-2474.05) EW(301.68) TEMP(0.0)
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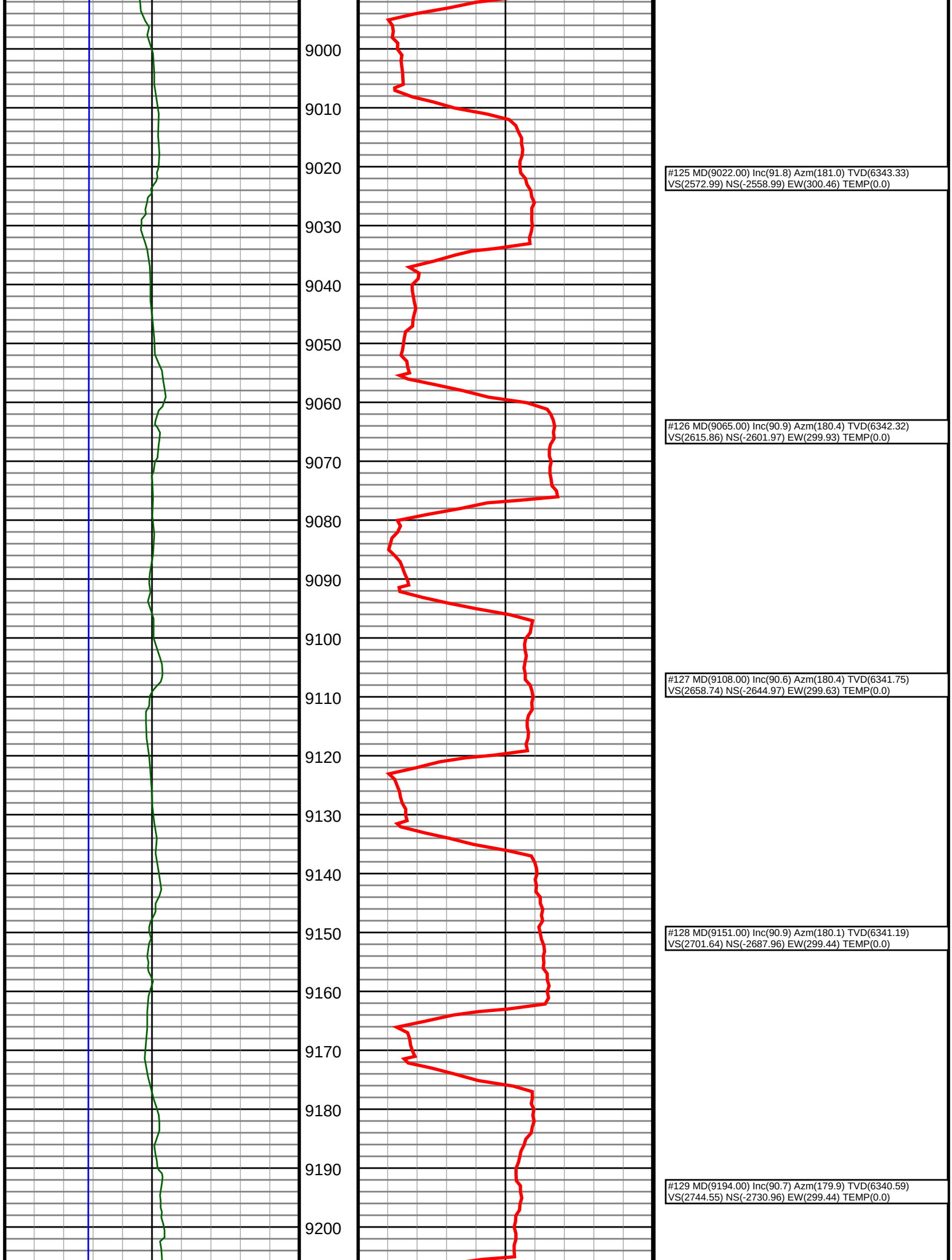
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#125 MD(9022.00) Inc(91.8) Azm(181.0) TVD(6343.33)
VS(2572.99) NS(-2558.99) EW(300.46) TEMP(0.0)
#126 MD(9065.00) Inc(90.9) Azm(180.4) TVD(6342.32)
VS(2615.86) NS(-2601.97) EW(299.93) TEMP(0.0)
#127 MD(9108.00) Inc(90.6) Azm(180.4) TVD(6341.75)
VS(2658.74) NS(-2644.97) EW(299.63) TEMP(0.0)
#128 MD(9151.00) Inc(90.9) Azm(180.1) TVD(6341.19)
VS(2701.64) NS(-2687.96) EW(299.44) TEMP(0.0)
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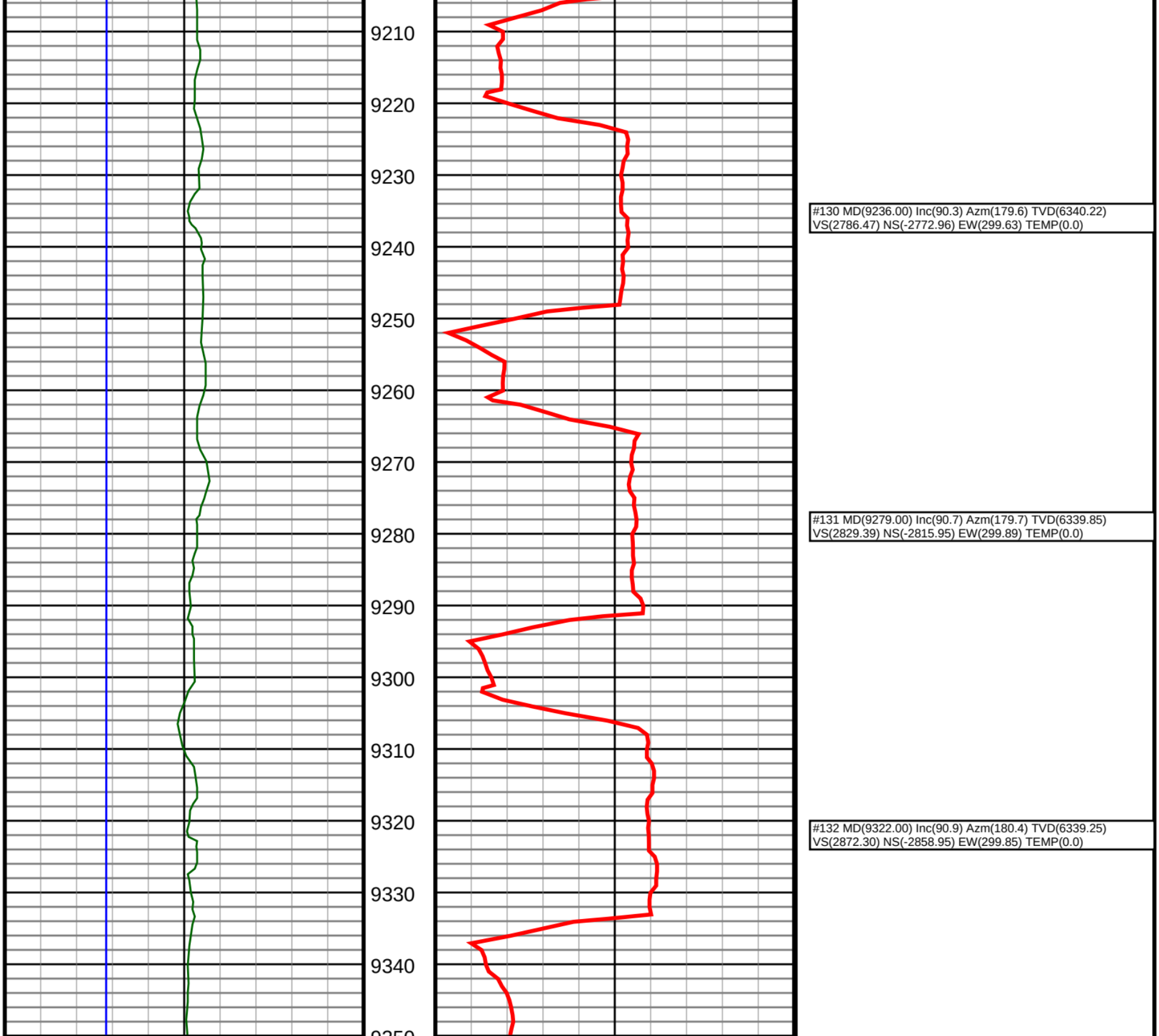
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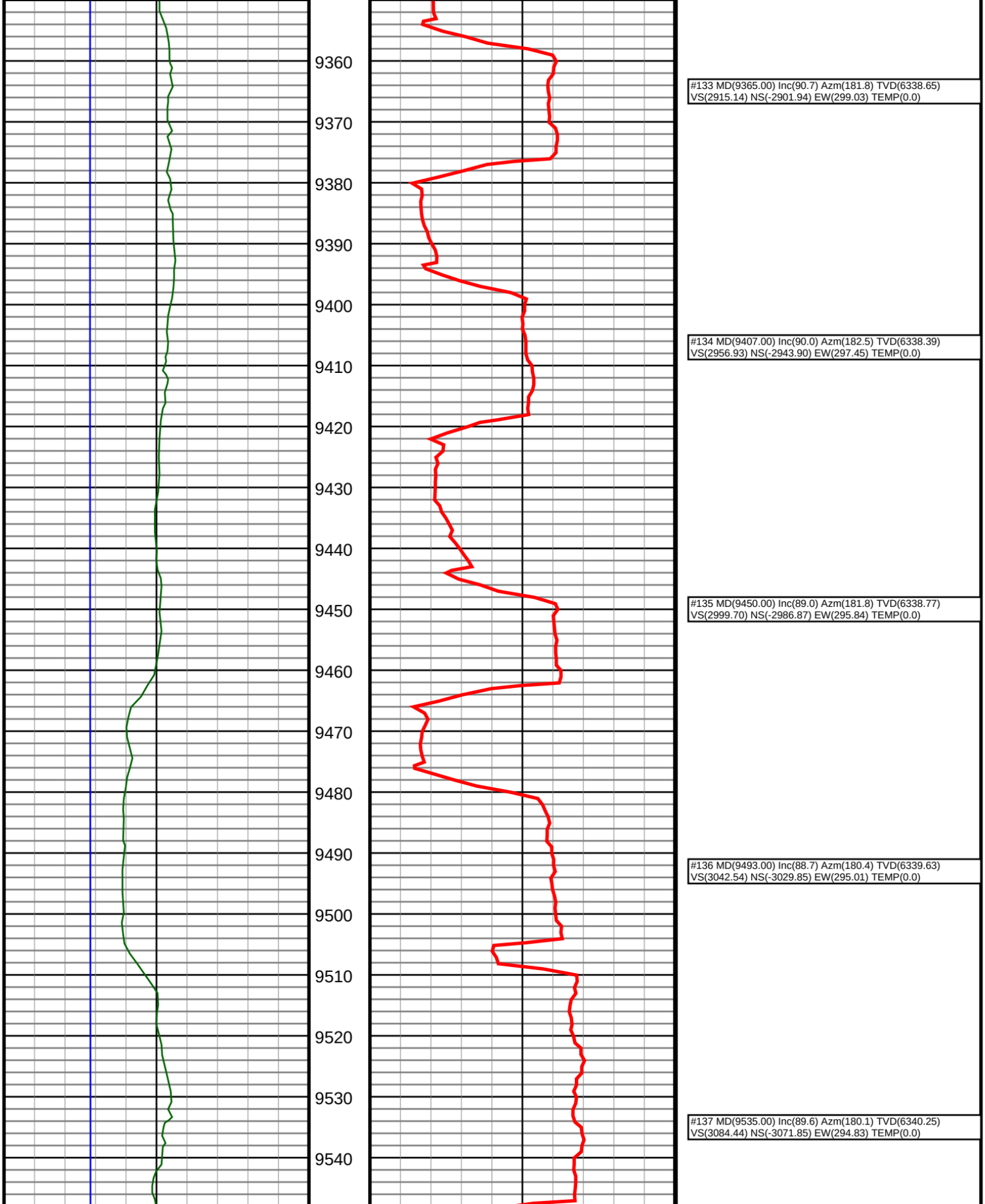
VS(2786.47) NS(-2772.96) EW(299.63) TEMP(0.0)
#131 MD(9279.00) Inc(90.7) Azm(179.7) TVD(6339.85)
VS(2829.39) NS(-2815.95) EW(299.89) TEMP(0.0)
#132 MD(9322.00) Inc(90.9) Azm(180.4) TVD(6339.25)
VS(2872.30) NS(-2858.95) EW(299.85) TEMP(0.0)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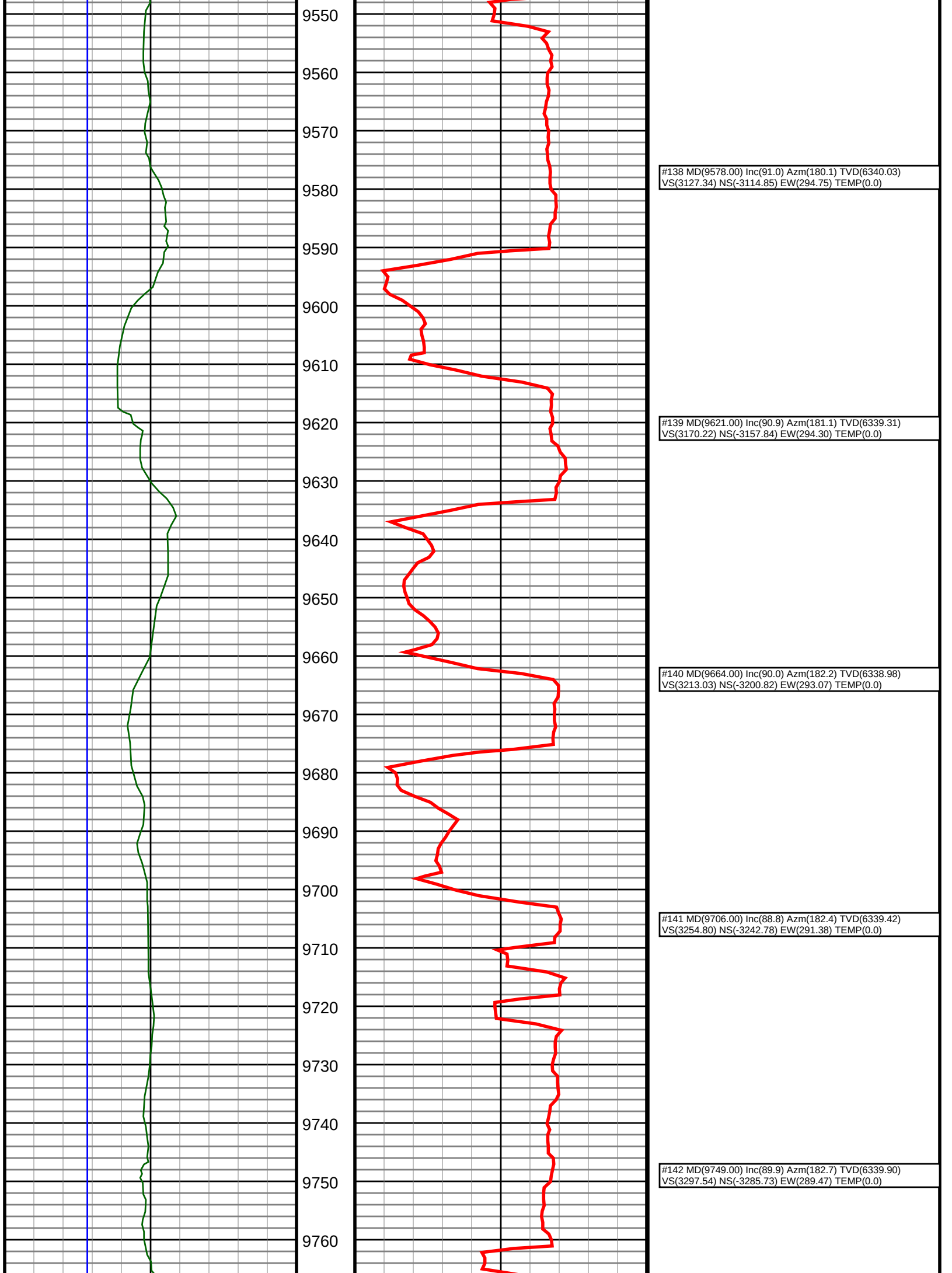
#133 MD(9365.00) Inc(90.7) Azm(181.8) TVD(6338.65)
VS(2915.14) NS(-2901.94) EW(299.03) TEMP(0.0)
#134 MD(9407.00) Inc(90.0) Azm(182.5) TVD(6338.39)
VS(2956.93) NS(-2943.90) EW(297.45) TEMP(0.0)
#135 MD(9450.00) Inc(89.0) Azm(181.8) TVD(6338.77)
VS(2999.70) NS(-2986.87) EW(295.84) TEMP(0.0)
#136 MD(9493.00) Inc(88.7) Azm(180.4) TVD(6339.63)
VS(3042.54) NS(-3029.85) EW(295.01) TEMP(0.0)
#137 MD(9535.00) Inc(89.6) Azm(180.1) TVD(6340.25)
VS(3084.44) NS(-3071.85) EW(294.83) TEMP(0.0)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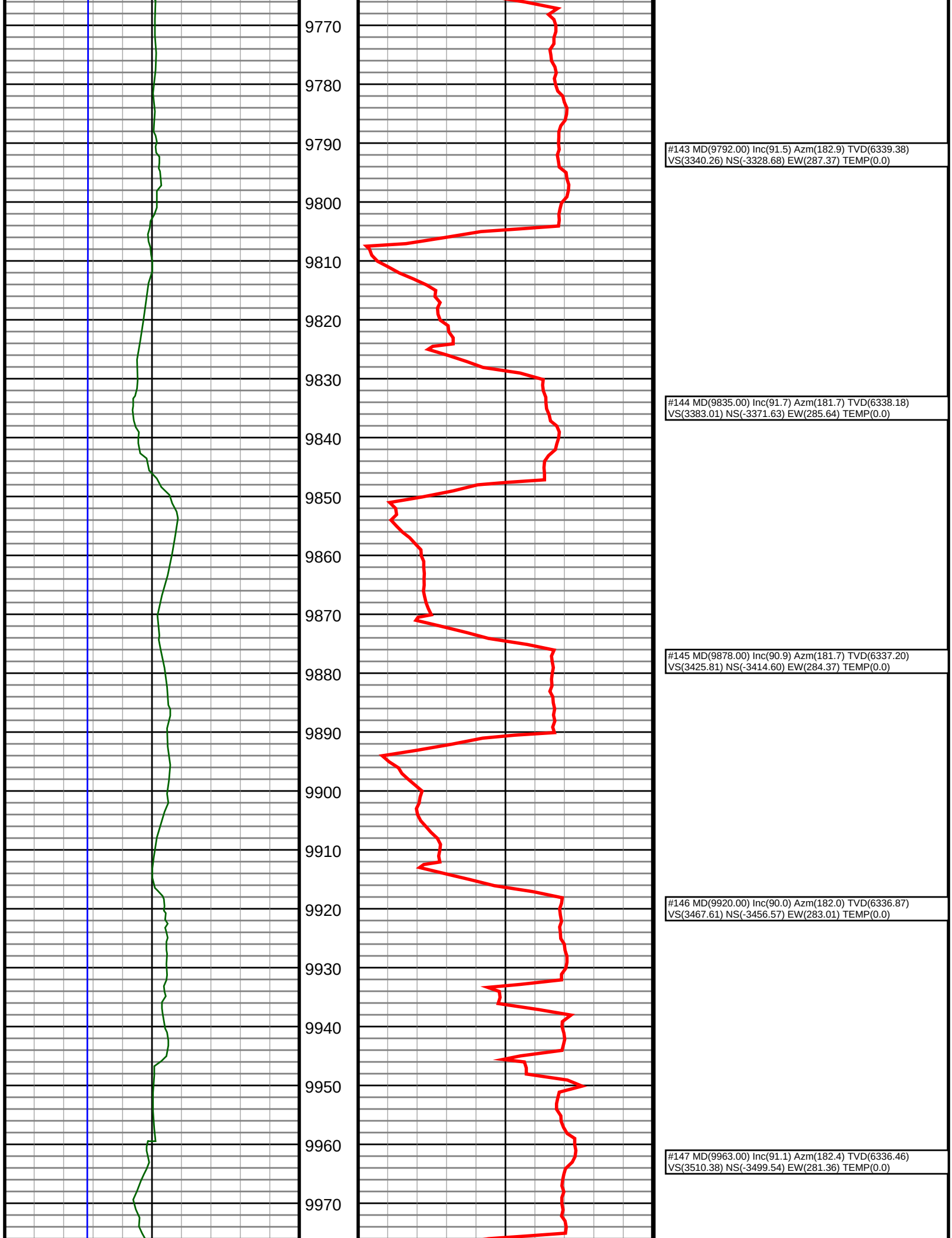
#138 MD(9578.00) Inc(91.0) Azm(180.1) TVD(6340.03)
VS(3127.34) NS(-3114.85) EW(294.75) TEMP(0.0)
#139 MD(9621.00) Inc(90.9) Azm(181.1) TVD(6339.31)
VS(3170.22) NS(-3157.84) EW(294.30) TEMP(0.0)
#140 MD(9664.00) Inc(90.0) Azm(182.2) TVD(6338.98)
VS(3213.03) NS(-3200.82) EW(293.07) TEMP(0.0)
#141 MD(9706.00) Inc(88.8) Azm(182.4) TVD(6339.42)
VS(3254.80) NS(-3242.78) EW(291.38) TEMP(0.0)
#142 MD(9749.00) Inc(89.9) Azm(182.7) TVD(6339.90)
VS(3297.54) NS(-3285.73) EW(289.47) TEMP(0.0)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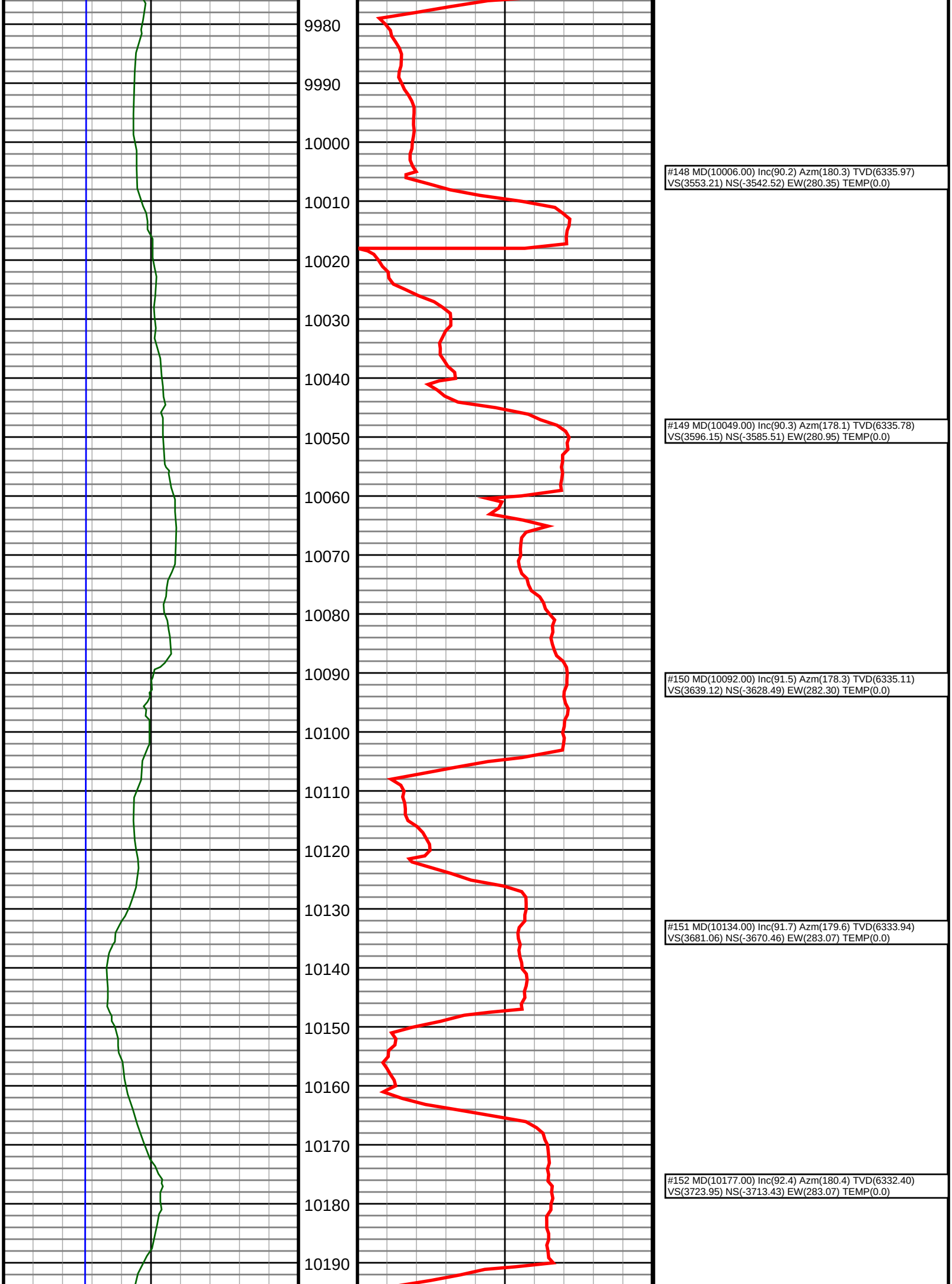
#143 MD(9792.00) Inc(91.5) Azm(182.9) TVD(6339.38)
VS(3340.26) NS(-3328.68) EW(287.37) TEMP(0.0)
#144 MD(9835.00) Inc(91.7) Azm(181.7) TVD(6338.18)
VS(3383.01) NS(-3371.63) EW(285.64) TEMP(0.0)
#145 MD(9878.00) Inc(90.9) Azm(181.7) TVD(6337.20)
VS(3425.81) NS(-3414.60) EW(284.37) TEMP(0.0)
#146 MD(9920.00) Inc(90.0) Azm(182.0) TVD(6336.87)
VS(3467.61) NS(-3456.57) EW(283.01) TEMP(0.0)
#147 MD(9963.00) Inc(91.1) Azm(182.4) TVD(6336.46)
VS(3510.38) NS(-3499.54) EW(281.36) TEMP(0.0)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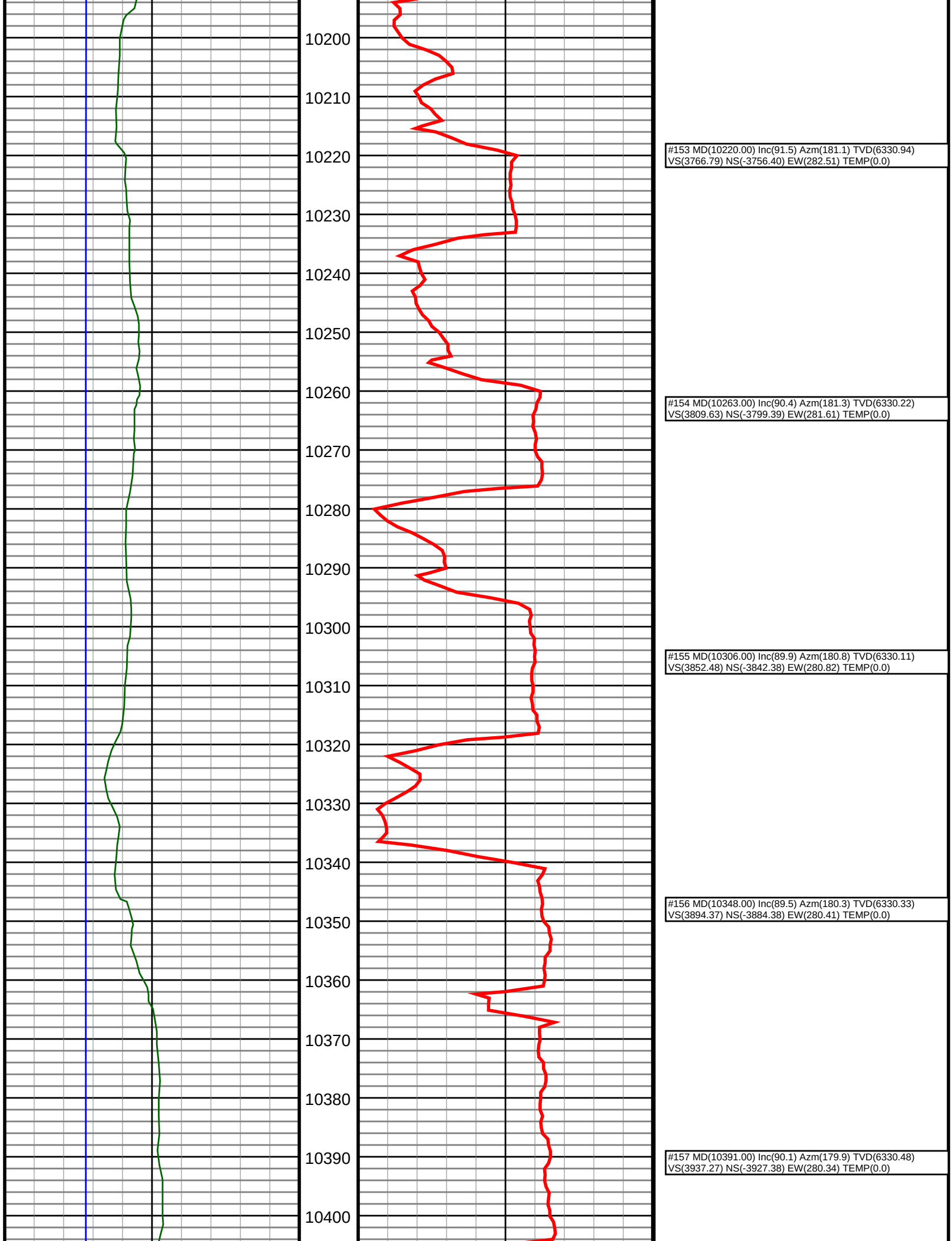
#148 MD(10006.00) Inc(90.2) Azm(180.3) TVD(6335.97)
VS(3553.21) NS(-3542.52) EW(280.35) TEMP(0.0)
#149 MD(10049.00) Inc(90.3) Azm(178.1) TVD(6335.78)
VS(3596.15) NS(-3585.51) EW(280.95) TEMP(0.0)
#150 MD(10092.00) Inc(91.5) Azm(178.3) TVD(6335.11)
VS(3639.12) NS(-3628.49) EW(282.30) TEMP(0.0)
#151 MD(10134.00) Inc(91.7) Azm(179.6) TVD(6333.94)
VS(3681.06) NS(-3670.46) EW(283.07) TEMP(0.0)
#152 MD(10177.00) Inc(92.4) Azm(180.4) TVD(6332.40)
VS(3723.95) NS(-3713.43) EW(283.07) TEMP(0.0)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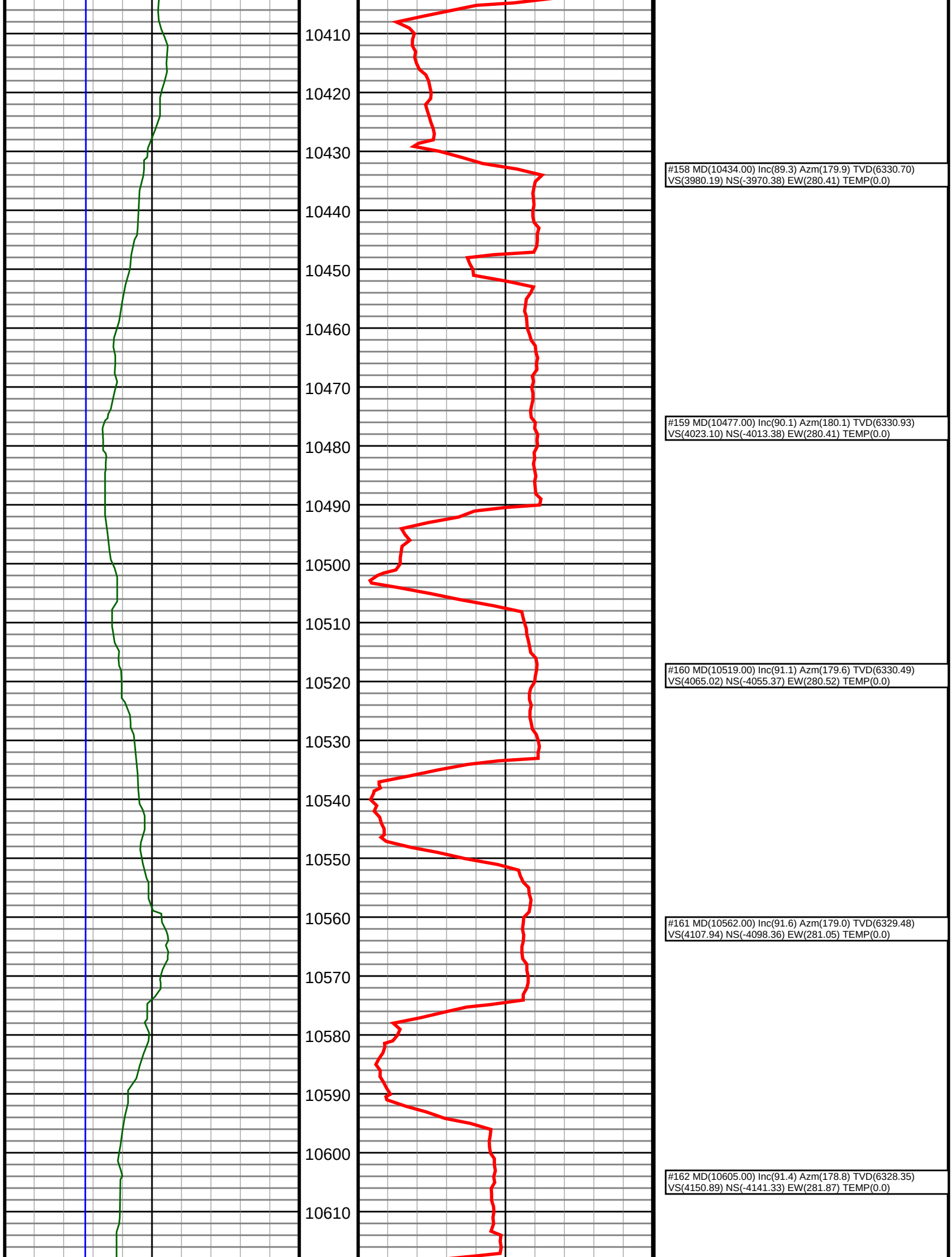
#153 MD(10220.00) Inc(91.5) Azm(181.1) TVD(6330.94)
VS(3766.79) NS(-3756.40) EW(282.51) TEMP(0.0)
#154 MD(10263.00) Inc(90.4) Azm(181.3) TVD(6330.22)
VS(3809.63) NS(-3799.39) EW(281.61) TEMP(0.0)
#155 MD(10306.00) Inc(89.9) Azm(180.8) TVD(6330.11)
VS(3852.48) NS(-3842.38) EW(280.82) TEMP(0.0)
#156 MD(10348.00) Inc(89.5) Azm(180.3) TVD(6330.33)
VS(3894.37) NS(-3884.38) EW(280.41) TEMP(0.0)
#157 MD(10391.00) Inc(90.1) Azm(179.9) TVD(6330.48)
VS(3937.27) NS(-3927.38) EW(280.34) TEMP(0.0)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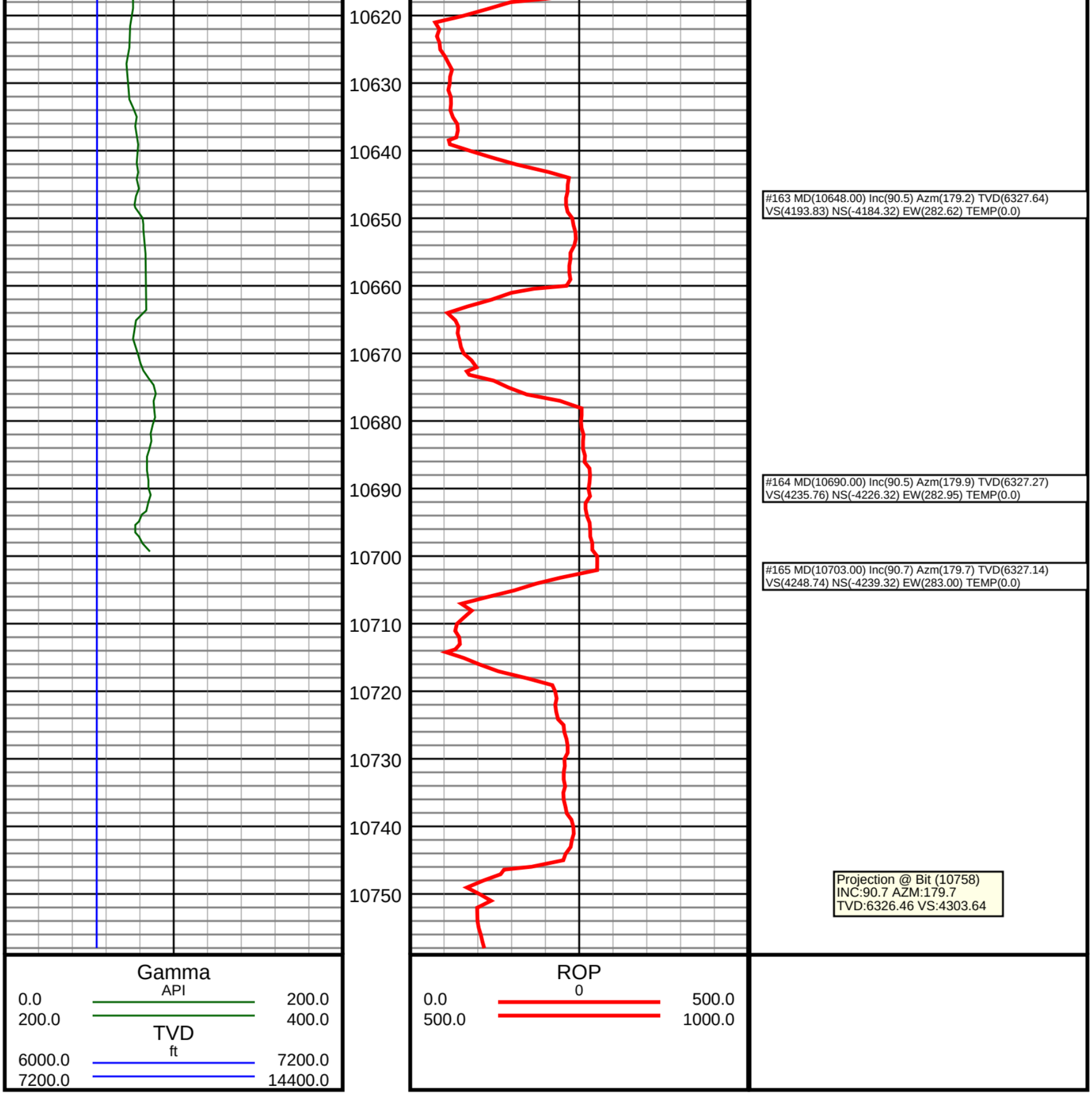
#158 MD(10434.00) Inc(89.3) Azm(179.9) TVD(6330.70)
VS(3980.19) NS(-3970.38) EW(280.41) TEMP(0.0)
#159 MD(10477.00) Inc(90.1) Azm(180.1) TVD(6330.93)
VS(4023.10) NS(-4013.38) EW(280.41) TEMP(0.0)
#160 MD(10519.00) Inc(91.1) Azm(179.6) TVD(6330.49)
VS(4065.02) NS(-4055.37) EW(280.52) TEMP(0.0)
#161 MD(10562.00) Inc(91.6) Azm(179.0) TVD(6329.48)
VS(4107.94) NS(-4098.36) EW(281.05) TEMP(0.0)
#162 MD(10605.00) Inc(91.4) Azm(178.8) TVD(6328.35)
VS(4150.89) NS(-4141.33) EW(281.87) TEMP(0.0)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#163 MD(10648.00) Inc(90.5) Azm(179.2) TVD(6327.64)
VS(4193.83) NS(-4184.32) EW(282.62) TEMP(0.0)
#164 MD(10690.00) Inc(90.5) Azm(179.9) TVD(6327.27)
VS(4235.76) NS(-4226.32) EW(282.95) TEMP(0.0)
#165 MD(10703.00) Inc(90.7) Azm(179.7) TVD(6327.14)
VS(4248.74) NS(-4239.32) EW(283.00) TEMP(0.0)
Projection @ Bit (10758)
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