Lizzy North 36-9HZ

MD
1":100'

Company: Occidental Petroleum
Well Name: Lizzy North 36-9HZ
API: 05-123-52254
County/Parish: Weld
State: Colorado
Country: United States of America
Job number: AEP-RM-240005
Field: Wattenberg
Rig Id: Precision 461
Survey Company: Altitude Energy Partners
Day MWD Dominic Pitre
Night MWD Brandon Snyder

Log measurements: GAMMA
Depth measured from: RKB
Maximum temperature: 270

	Depth	Date
Start:	2182 ft	01/23/2024
End:	19315 ft	01/27/2024

Casing	Depth	Casing Size	Hole Size
Surface:	2172 ft	9.625"	12.5"
Intermediate:	19315 ft	5"	7.875"
Intermediate2:			

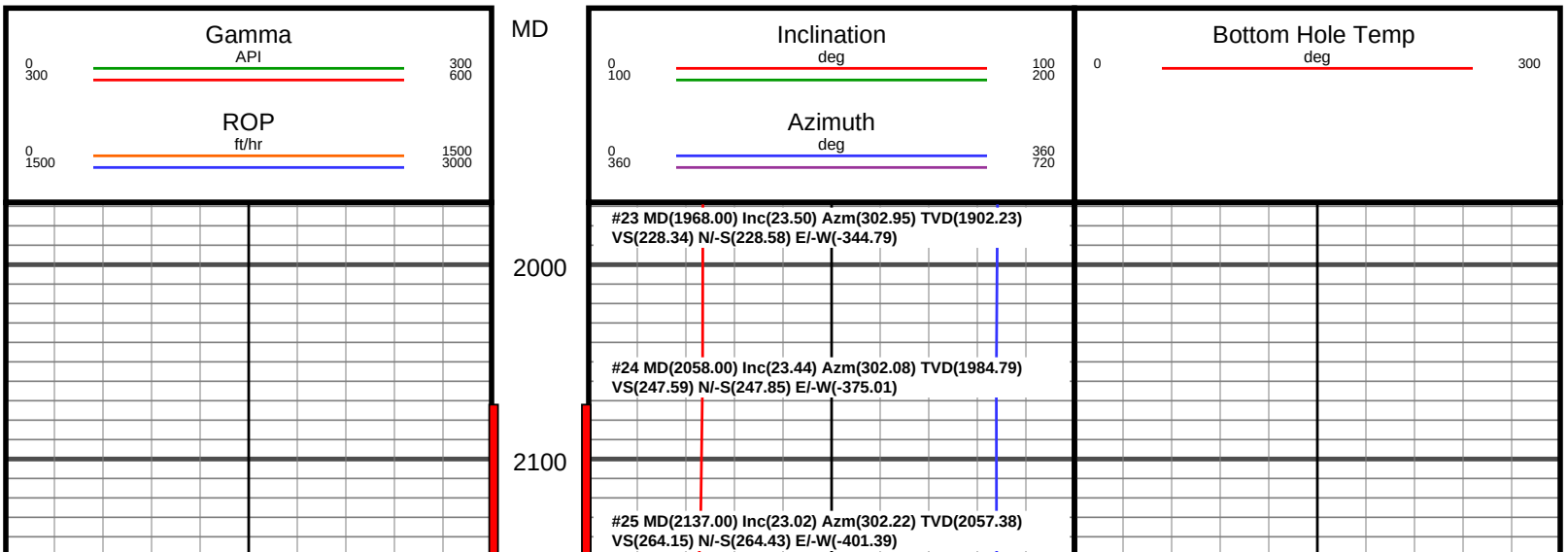
Mud Type: OBM
Density: 9.6
Viscosity: 53
Rm: **Rmf:** **Rmc:**

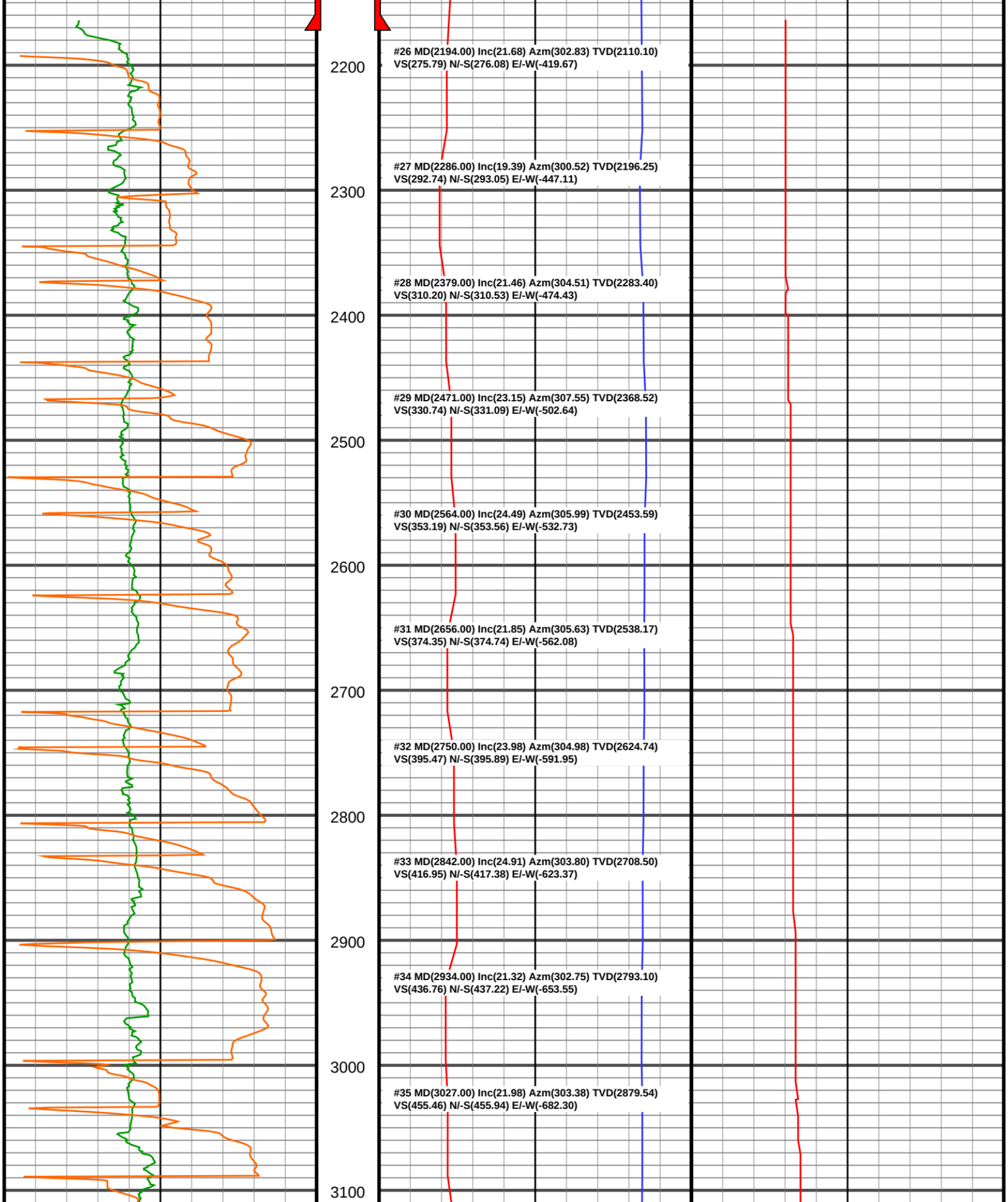
Elevations	
KB:	20
DF:	5130
GL:	5110

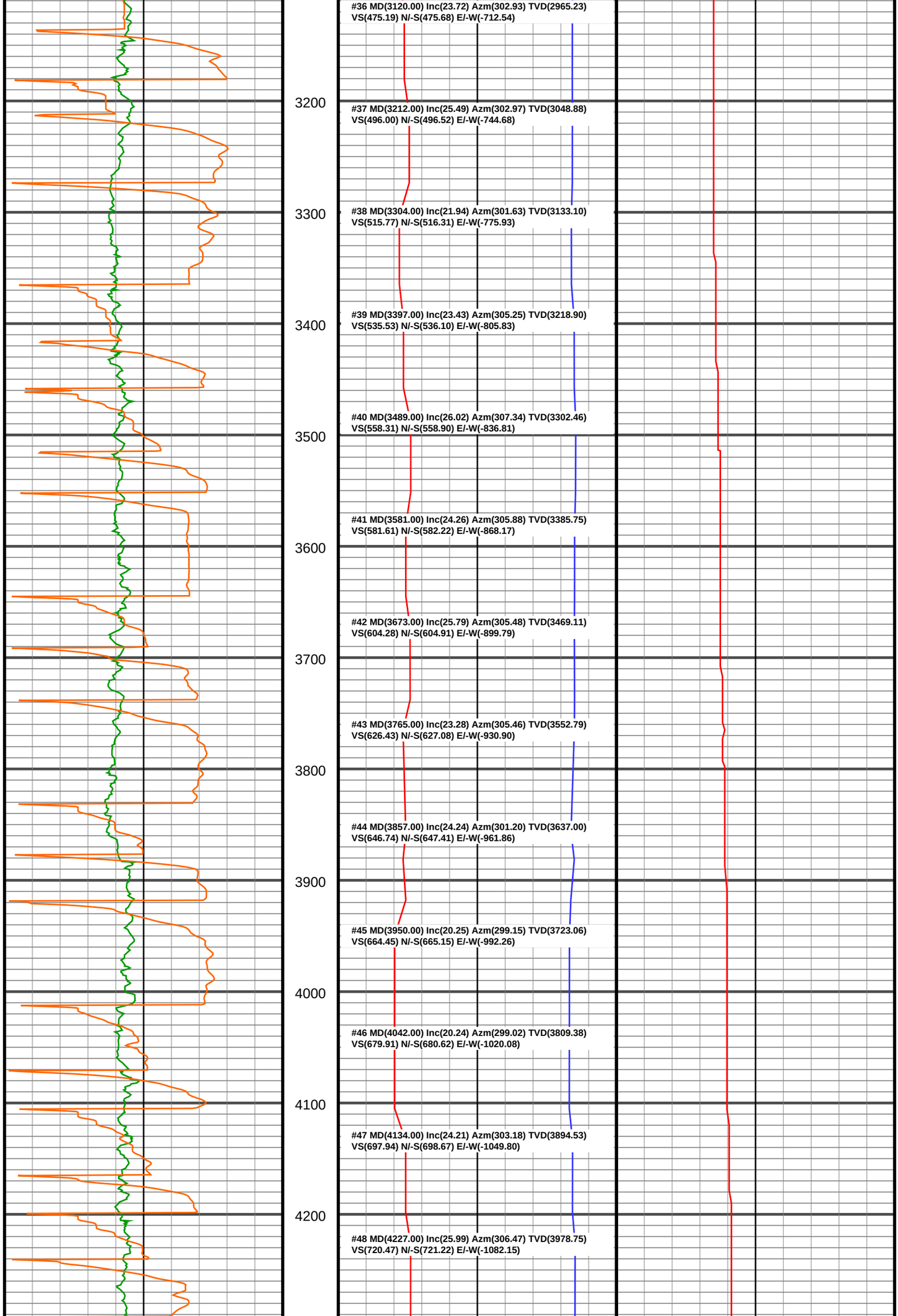
Run	Tool S/N	Gamma Cal	Bit Size	Offsets Survey	Offsets Gamma	Offsets Resis	Mud Data Type	Mud Data Weight	Depths Start	Depths End	Dates Start	Dates End
1	XGM0788	4.244	7.875"	60.00 ft	34.79 ft	NA	OBM	9.5	2182 ft	9027 ft	01/23/2024 01:00	01/24/2024 16:30
2	XGM0789	4.244	7.875"	60.00 ft	34.84 ft	NA	OBM	9.6	9027 ft	19315 ft	01/24/2024 17:30	01/27/2024 07:20
3												
4												
5												
6												
7												
8												
9												
10												
11												

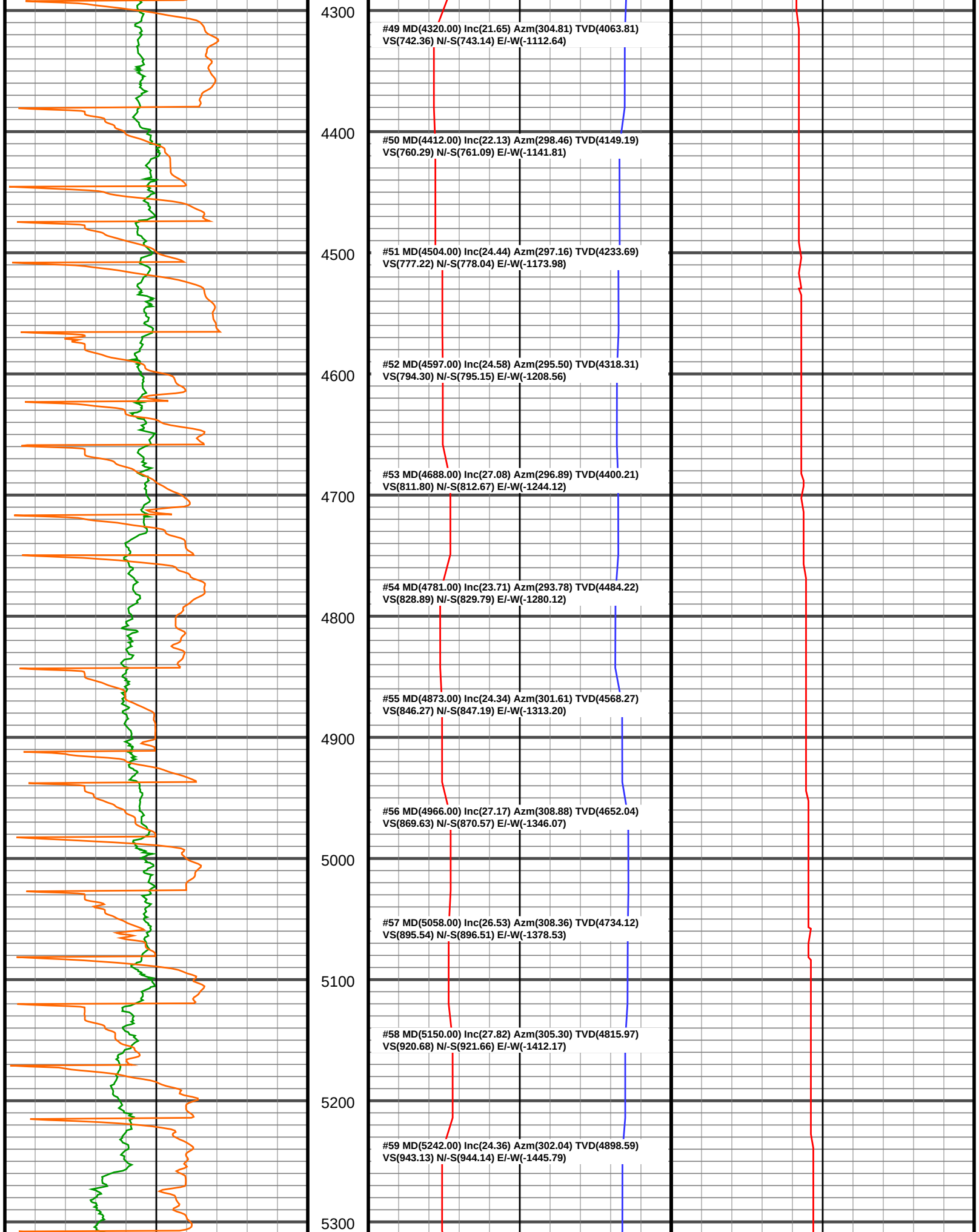
Float: 2129 ft Shoe: 2172 ft KOP: 7800 ft LP: 8950 ft TD: 19315 ft

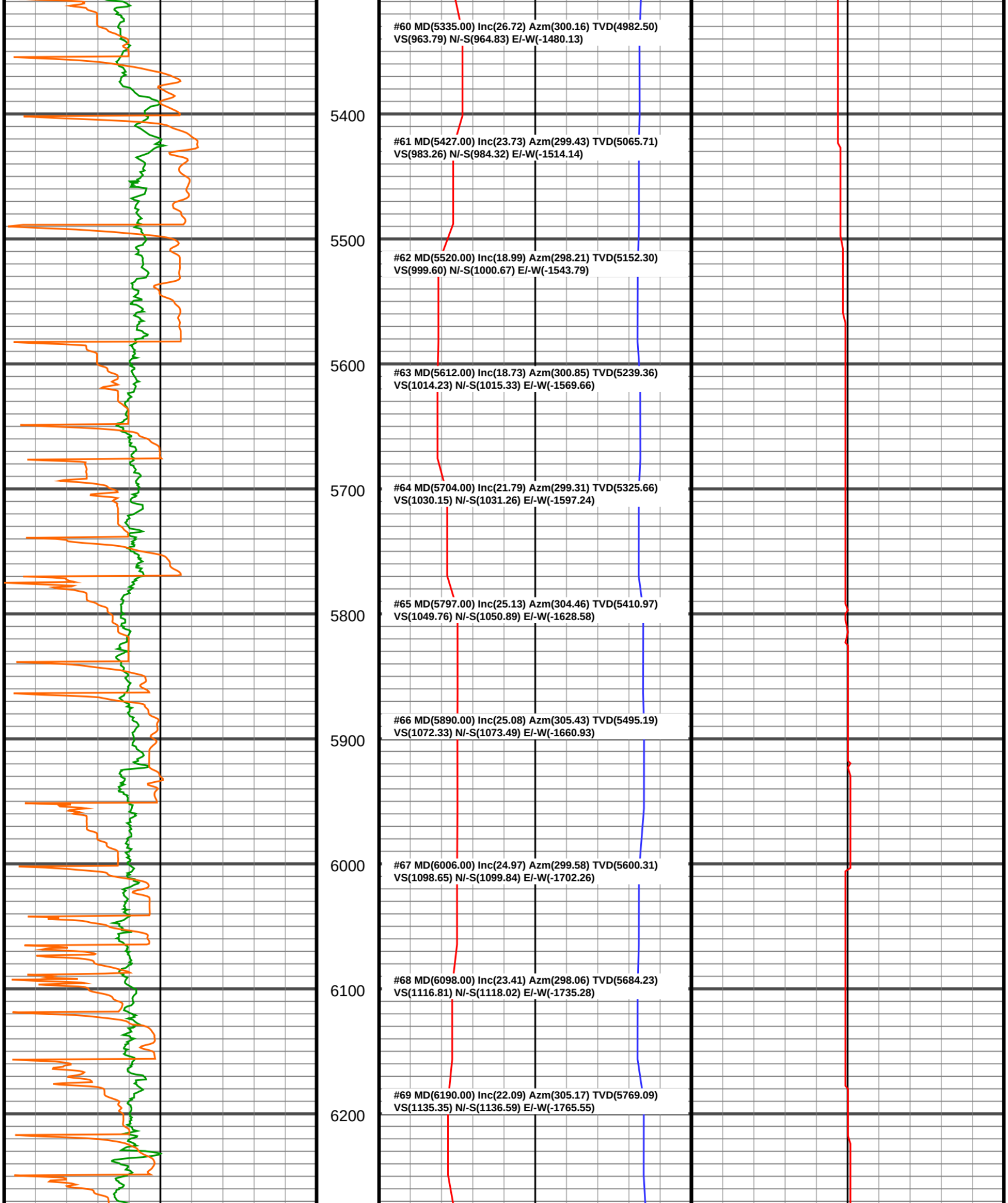
Altitude Energy Partners uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

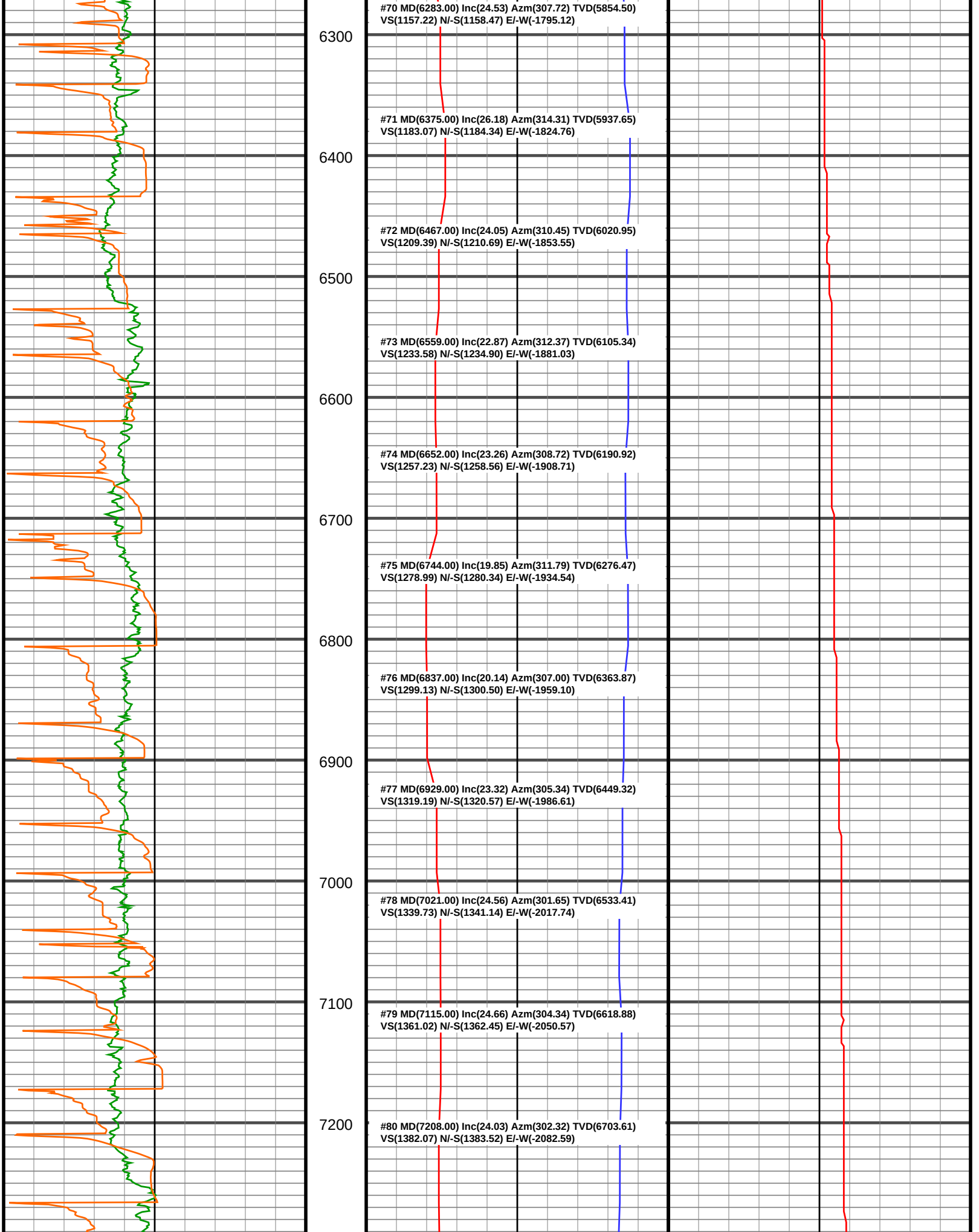


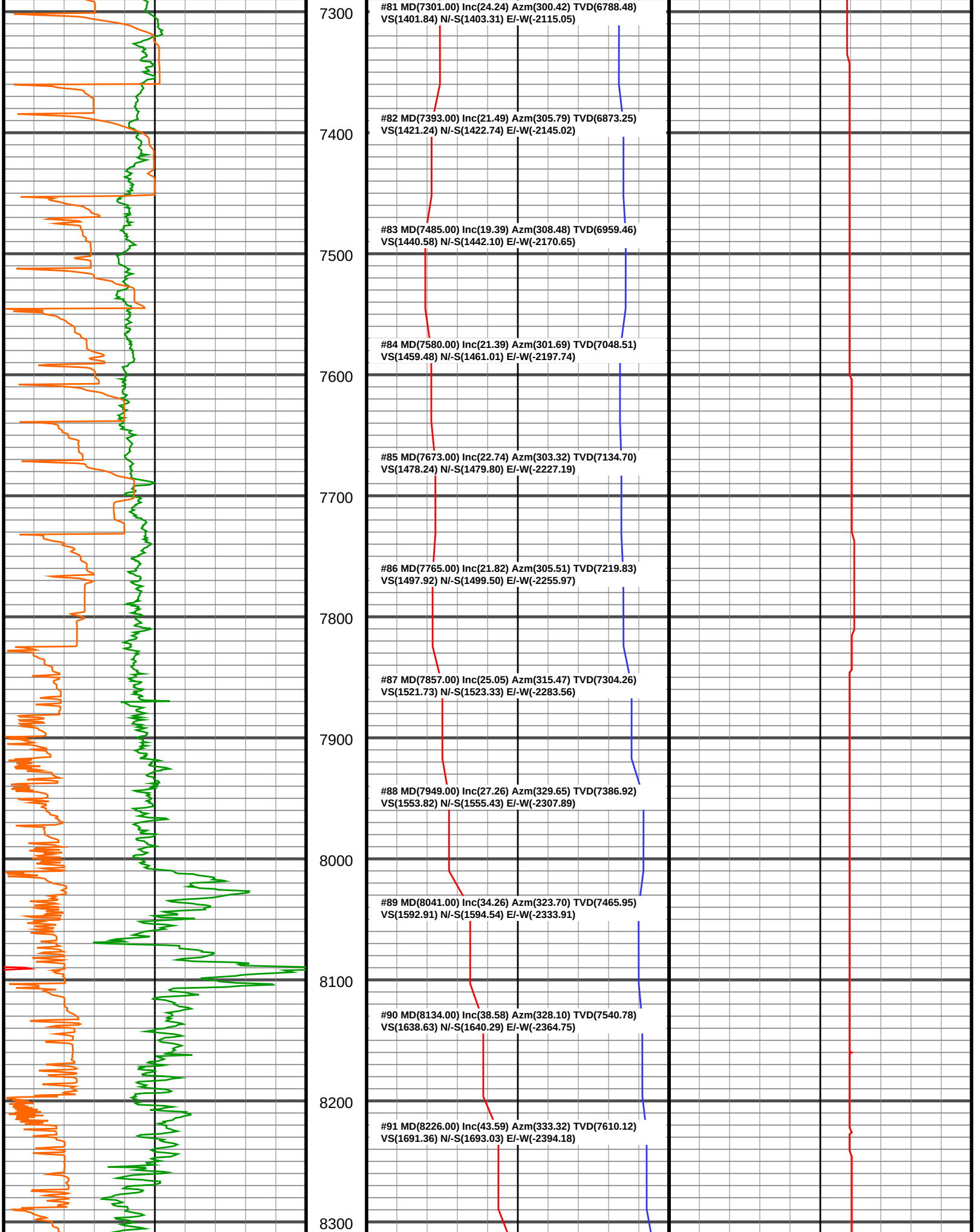

2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
#26 MD(2194.00) Inc(21.68) Azm(302.83) TVD(2110.10)
VS(275.79) N/-S(276.08) E/-W(-419.67)
#27 MD(2286.00) Inc(19.39) Azm(300.52) TVD(2196.25)
VS(292.74) N/-S(293.05) E/-W(-447.11)
#28 MD(2379.00) Inc(21.46) Azm(304.51) TVD(2283.40)
VS(310.20) N/-S(310.53) E/-W(-474.43)
#29 MD(2471.00) Inc(23.15) Azm(307.55) TVD(2368.52)
VS(330.74) N/-S(331.09) E/-W(-502.64)
#30 MD(2564.00) Inc(24.49) Azm(305.99) TVD(2453.59)
VS(353.19) N/-S(353.56) E/-W(-532.73)
#31 MD(2656.00) Inc(21.85) Azm(305.63) TVD(2538.17)
VS(374.35) N/-S(374.74) E/-W(-562.08)
#32 MD(2750.00) Inc(23.98) Azm(304.98) TVD(2624.74)
VS(395.47) N/-S(395.89) E/-W(-591.95)
#33 MD(2842.00) Inc(24.91) Azm(303.80) TVD(2708.50)
VS(416.95) N/-S(417.38) E/-W(-623.37)
#34 MD(2934.00) Inc(21.32) Azm(302.75) TVD(2793.10)
VS(436.76) N/-S(437.22) E/-W(-653.55)
#35 MD(3027.00) Inc(21.98) Azm(303.38) TVD(2879.54)
VS(455.46) N/-S(455.94) E/-W(-682.30)

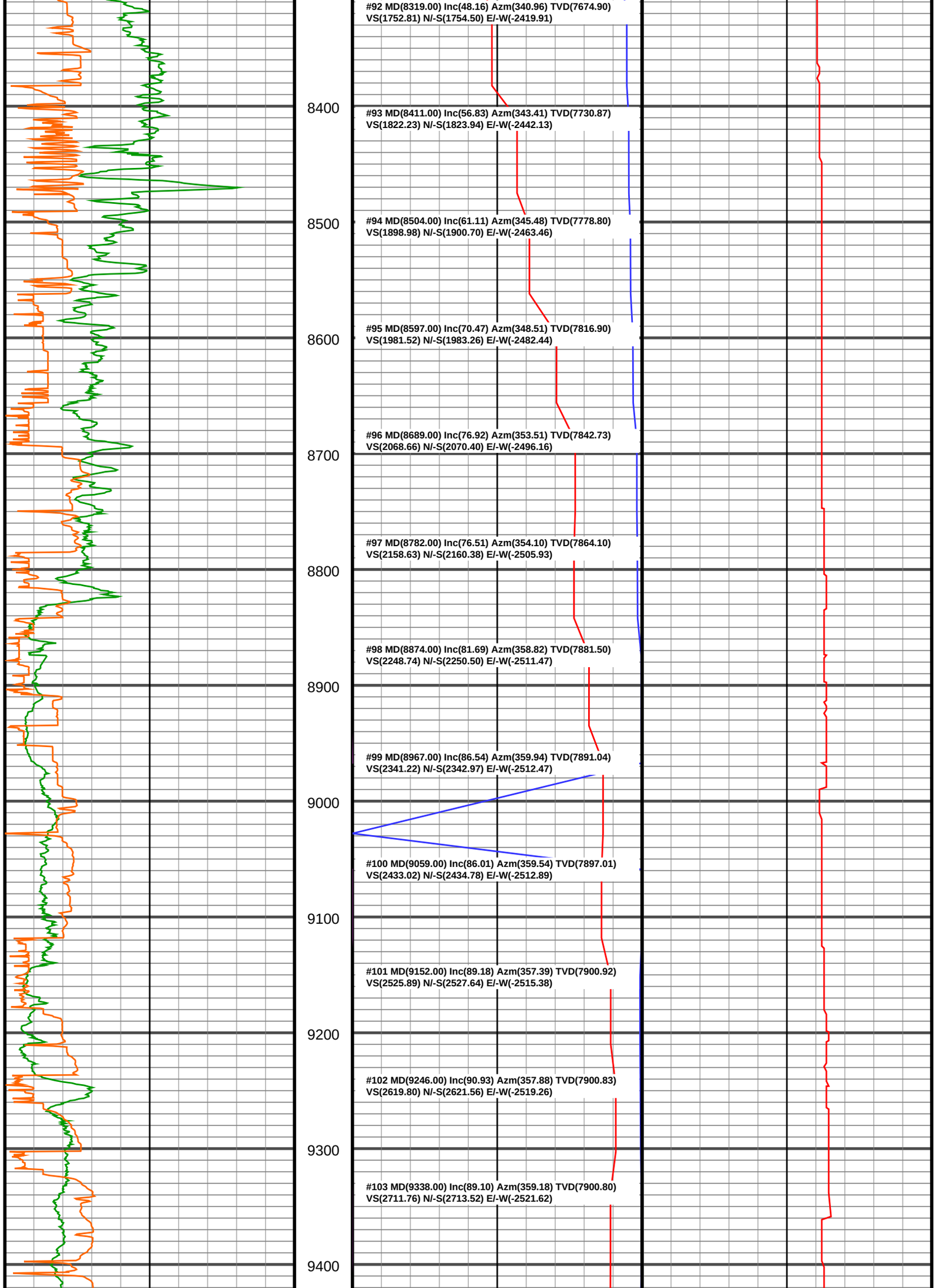

#36 MD(3120.00) Inc(23.72) Azm(302.93) TVD(2965.23)
VS(475.19) N/-S(475.68) E/-W(-712.54)
3200
#37 MD(3212.00) Inc(25.49) Azm(302.97) TVD(3048.88)
VS(496.00) N/-S(496.52) E/-W(-744.68)
3300
#38 MD(3304.00) Inc(21.94) Azm(301.63) TVD(3133.10)
VS(515.77) N/-S(516.31) E/-W(-775.93)
3400
#39 MD(3397.00) Inc(23.43) Azm(305.25) TVD(3218.90)
VS(535.53) N/-S(536.10) E/-W(-805.83)
#40 MD(3489.00) Inc(26.02) Azm(307.34) TVD(3302.46)
VS(558.31) N/-S(558.90) E/-W(-836.81)
3500
#41 MD(3581.00) Inc(24.26) Azm(305.88) TVD(3385.75)
VS(581.61) N/-S(582.22) E/-W(-868.17)
3600
#42 MD(3673.00) Inc(25.79) Azm(305.48) TVD(3469.11)
VS(604.28) N/-S(604.91) E/-W(-899.79)
3700
#43 MD(3765.00) Inc(23.28) Azm(305.46) TVD(3552.79)
VS(626.43) N/-S(627.08) E/-W(-930.90)
3800
#44 MD(3857.00) Inc(24.24) Azm(301.20) TVD(3637.00)
VS(646.74) N/-S(647.41) E/-W(-961.86)
3900
#45 MD(3950.00) Inc(20.25) Azm(299.15) TVD(3723.06)
VS(664.45) N/-S(665.15) E/-W(-992.26)
4000
#46 MD(4042.00) Inc(20.24) Azm(299.02) TVD(3809.38)
VS(679.91) N/-S(680.62) E/-W(-1020.08)
4100
#47 MD(4134.00) Inc(24.21) Azm(303.18) TVD(3894.53)
VS(697.94) N/-S(698.67) E/-W(-1049.80)
4200
#48 MD(4227.00) Inc(25.99) Azm(306.47) TVD(3978.75)
VS(720.47) N/-S(721.22) E/-W(-1082.15)

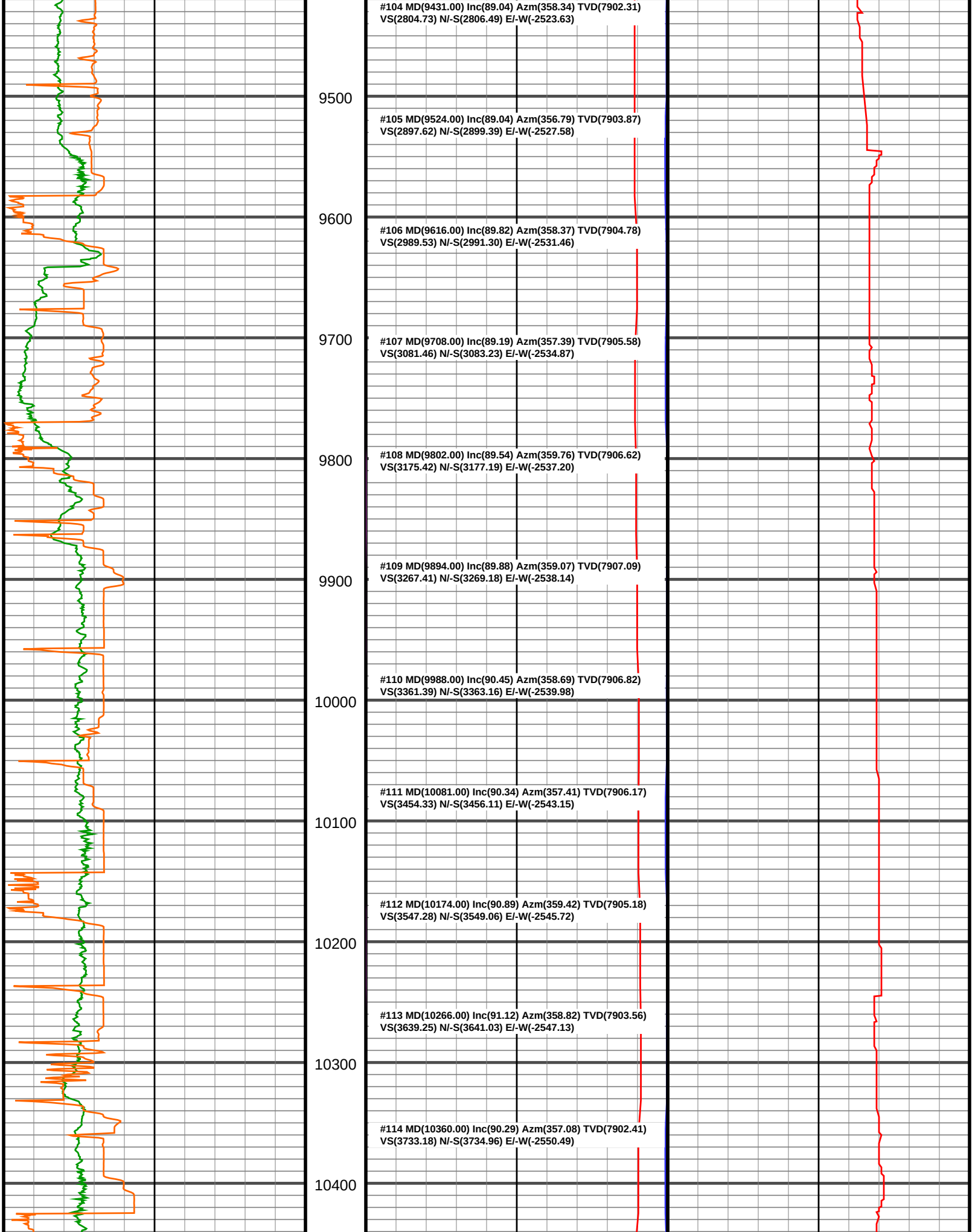

4300
#49 MD(4320.00) Inc(21.65) Azm(304.81) TVD(4063.81)
VS(742.36) N/-S(743.14) E/-W(-1112.64)
4400
#50 MD(4412.00) Inc(22.13) Azm(298.46) TVD(4149.19)
VS(760.29) N/-S(761.09) E/-W(-1141.81)
4500
#51 MD(4504.00) Inc(24.44) Azm(297.16) TVD(4233.69)
VS(777.22) N/-S(778.04) E/-W(-1173.98)
4600
#52 MD(4597.00) Inc(24.58) Azm(295.50) TVD(4318.31)
VS(794.30) N/-S(795.15) E/-W(-1208.56)
4700
#53 MD(4688.00) Inc(27.08) Azm(296.89) TVD(4400.21)
VS(811.80) N/-S(812.67) E/-W(-1244.12)
4800
#54 MD(4781.00) Inc(23.71) Azm(293.78) TVD(4484.22)
VS(828.89) N/-S(829.79) E/-W(-1280.12)
4900
#55 MD(4873.00) Inc(24.34) Azm(301.61) TVD(4568.27)
VS(846.27) N/-S(847.19) E/-W(-1313.20)
5000
#56 MD(4966.00) Inc(27.17) Azm(308.88) TVD(4652.04)
VS(869.63) N/-S(870.57) E/-W(-1346.07)
5100
#57 MD(5058.00) Inc(26.53) Azm(308.36) TVD(4734.12)
VS(895.54) N/-S(896.51) E/-W(-1378.53)
5200
#58 MD(5150.00) Inc(27.82) Azm(305.30) TVD(4815.97)
VS(920.68) N/-S(921.66) E/-W(-1412.17)
5300
#59 MD(5242.00) Inc(24.36) Azm(302.04) TVD(4898.59)
VS(943.13) N/-S(944.14) E/-W(-1445.79)

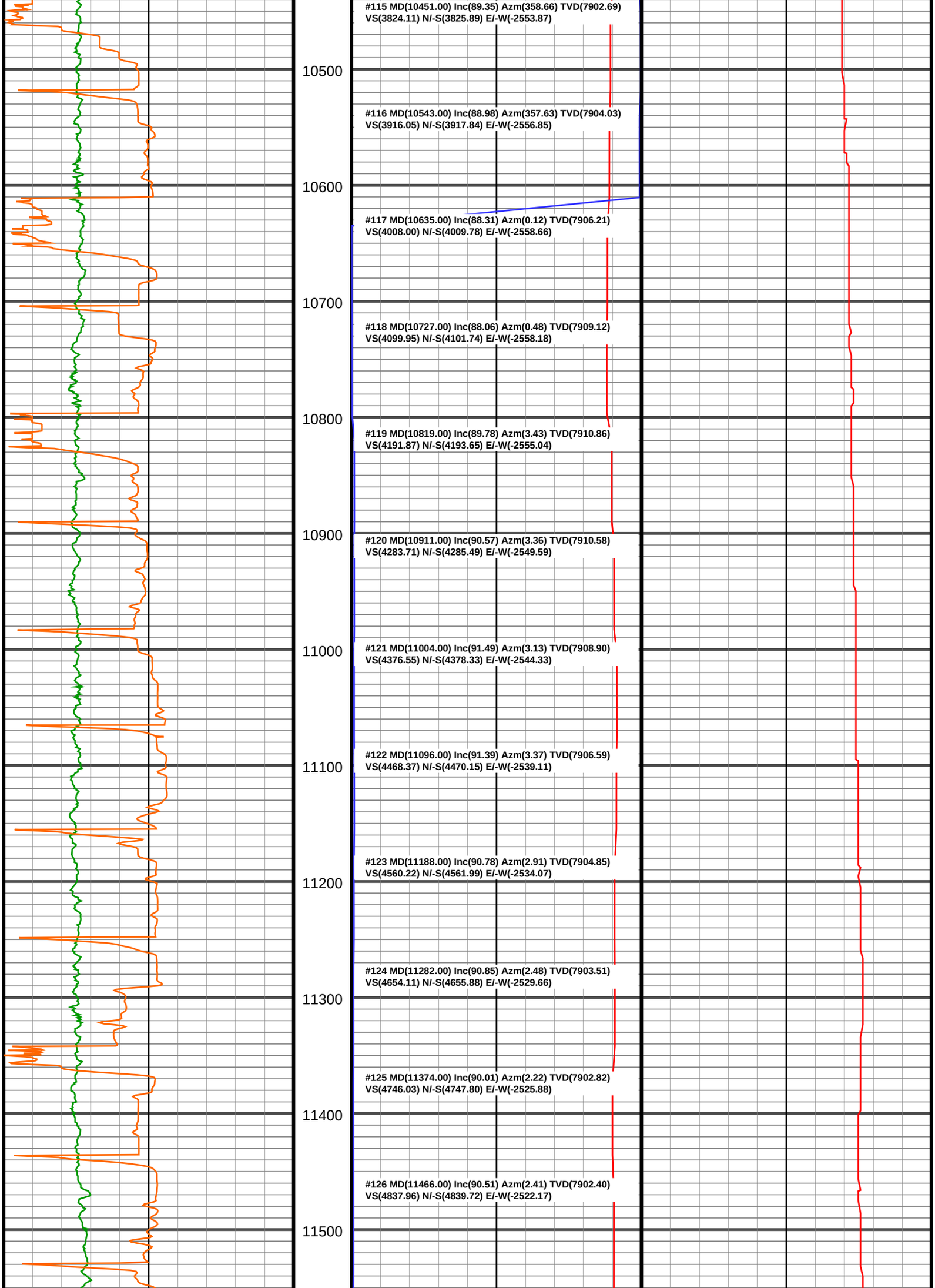

#60 MD(5335.00) Inc(26.72) Azm(300.16) TVD(4982.50)
VS(963.79) N/-S(964.83) E/-W(-1480.13)
5400
#61 MD(5427.00) Inc(23.73) Azm(299.43) TVD(5065.71)
VS(983.26) N/-S(984.32) E/-W(-1514.14)
5500
#62 MD(5520.00) Inc(18.99) Azm(298.21) TVD(5152.30)
VS(999.60) N/-S(1000.67) E/-W(-1543.79)
5600
#63 MD(5612.00) Inc(18.73) Azm(300.85) TVD(5239.36)
VS(1014.23) N/-S(1015.33) E/-W(-1569.66)
5700
#64 MD(5704.00) Inc(21.79) Azm(299.31) TVD(5325.66)
VS(1030.15) N/-S(1031.26) E/-W(-1597.24)
5800
#65 MD(5797.00) Inc(25.13) Azm(304.46) TVD(5410.97)
VS(1049.76) N/-S(1050.89) E/-W(-1628.58)
5900
#66 MD(5890.00) Inc(25.08) Azm(305.43) TVD(5495.19)
VS(1072.33) N/-S(1073.49) E/-W(-1660.93)
6000
#67 MD(6006.00) Inc(24.97) Azm(299.58) TVD(5600.31)
VS(1098.65) N/-S(1099.84) E/-W(-1702.26)
6100
#68 MD(6098.00) Inc(23.41) Azm(298.06) TVD(5684.23)
VS(1116.81) N/-S(1118.02) E/-W(-1735.28)
6200
#69 MD(6190.00) Inc(22.09) Azm(305.17) TVD(5769.09)
VS(1135.35) N/-S(1136.59) E/-W(-1765.55)

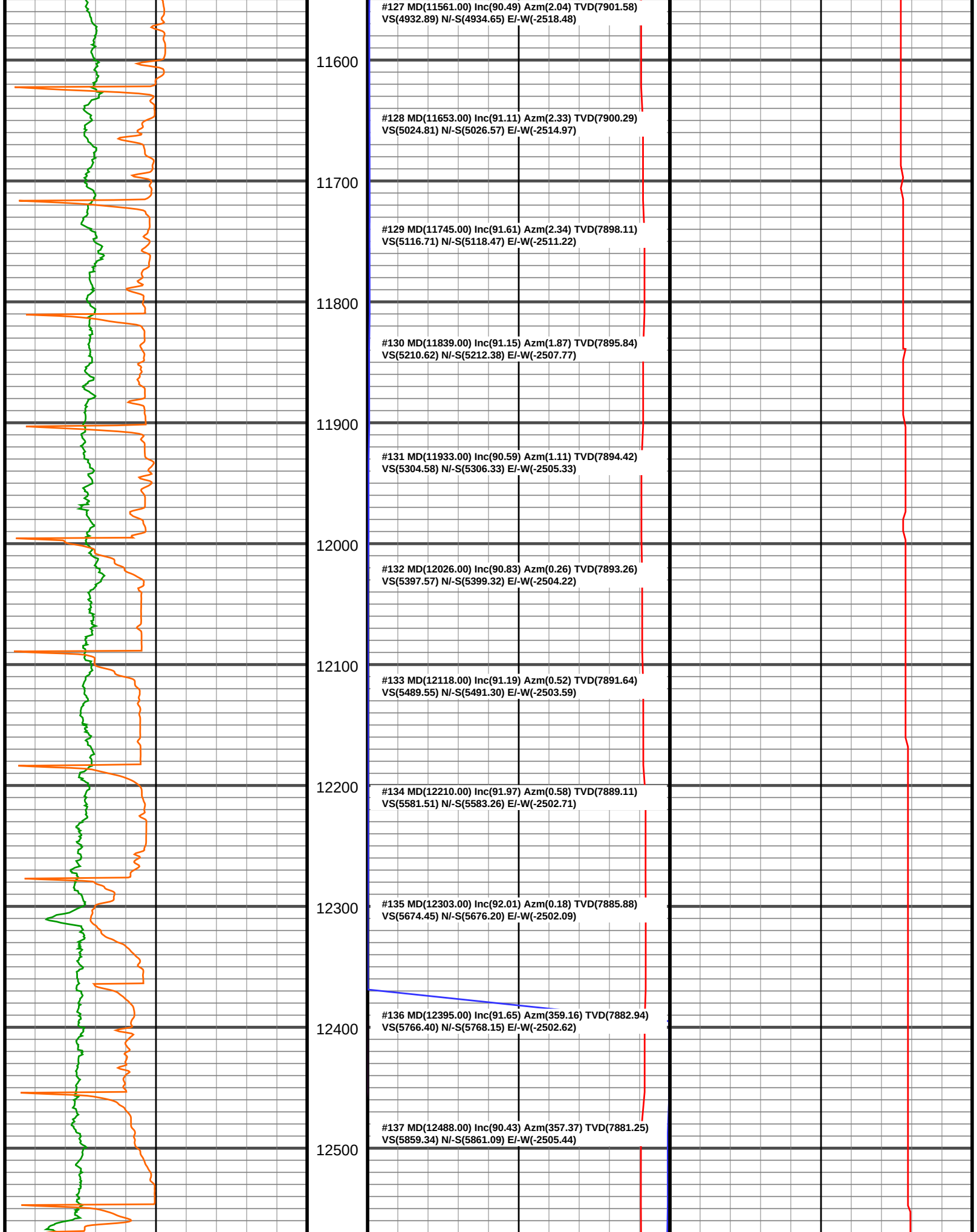

#70 MD(6283.00) Inc(24.53) Azm(307.72) TVD(5854.50)
VS(1157.22) N/-S(1158.47) E/-W(-1795.12)
6300
#71 MD(6375.00) Inc(26.18) Azm(314.31) TVD(5937.65)
VS(1183.07) N/-S(1184.34) E/-W(-1824.76)
6400
#72 MD(6467.00) Inc(24.05) Azm(310.45) TVD(6020.95)
VS(1209.39) N/-S(1210.69) E/-W(-1853.55)
6500
#73 MD(6559.00) Inc(22.87) Azm(312.37) TVD(6105.34)
VS(1233.58) N/-S(1234.90) E/-W(-1881.03)
6600
#74 MD(6652.00) Inc(23.26) Azm(308.72) TVD(6190.92)
VS(1257.23) N/-S(1258.56) E/-W(-1908.71)
6700
#75 MD(6744.00) Inc(19.85) Azm(311.79) TVD(6276.47)
VS(1278.99) N/-S(1280.34) E/-W(-1934.54)
6800
#76 MD(6837.00) Inc(20.14) Azm(307.00) TVD(6363.87)
VS(1299.13) N/-S(1300.50) E/-W(-1959.10)
6900
#77 MD(6929.00) Inc(23.32) Azm(305.34) TVD(6449.32)
VS(1319.19) N/-S(1320.57) E/-W(-1986.61)
7000
#78 MD(7021.00) Inc(24.56) Azm(301.65) TVD(6533.41)
VS(1339.73) N/-S(1341.14) E/-W(-2017.74)
7100
#79 MD(7115.00) Inc(24.66) Azm(304.34) TVD(6618.88)
VS(1361.02) N/-S(1362.45) E/-W(-2050.57)
7200
#80 MD(7208.00) Inc(24.03) Azm(302.32) TVD(6703.61)
VS(1382.07) N/-S(1383.52) E/-W(-2082.59)

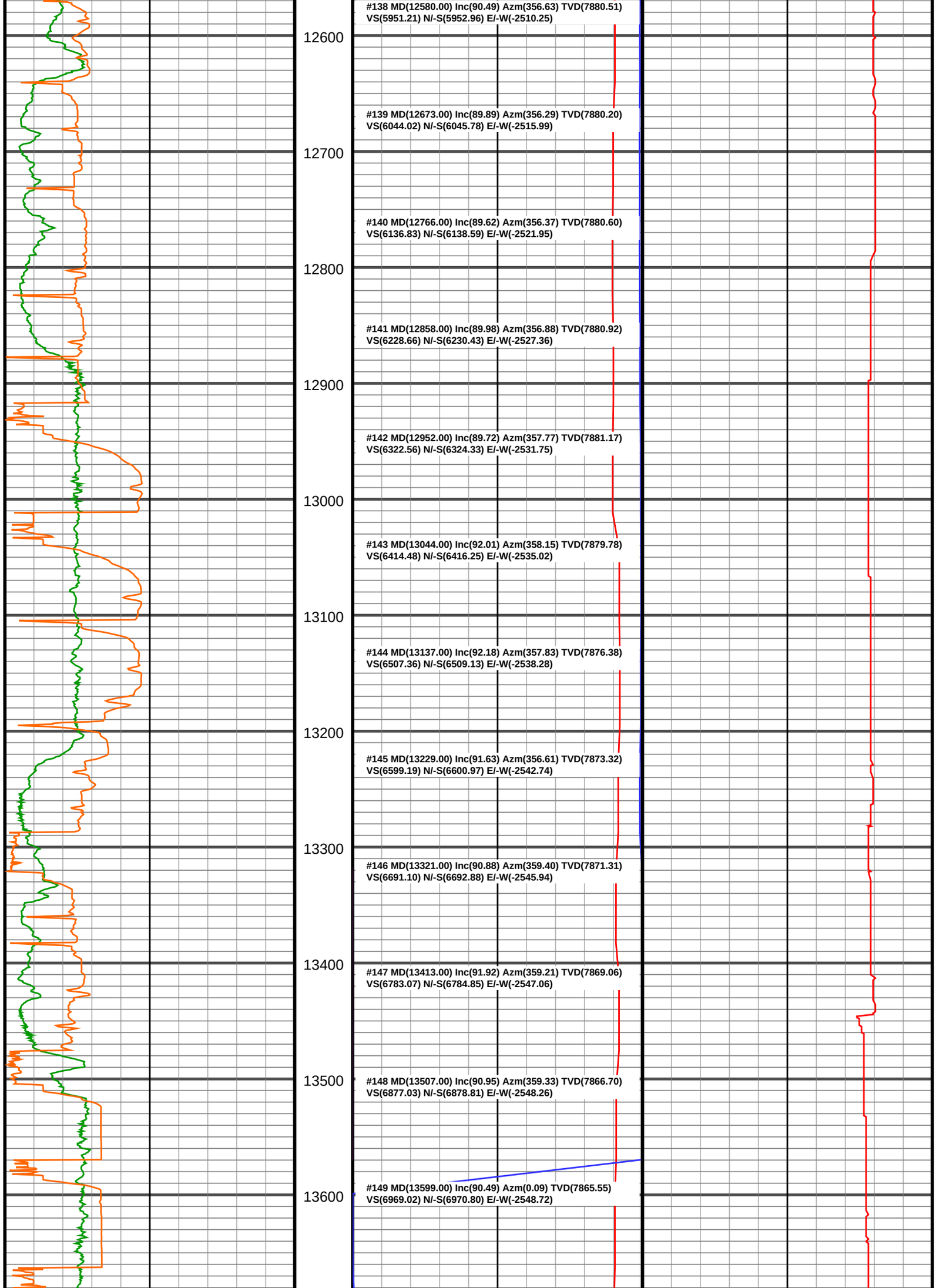

7300
7400
7500
7600
7700
7800
7900
8000
8100
8200
8300
#81 MD(7301.00) Inc(24.24) Azm(300.42) TVD(6788.48)
VS(1401.84) N/-S(1403.31) E/-W(-2115.05)
#82 MD(7393.00) Inc(21.49) Azm(305.79) TVD(6873.25)
VS(1421.24) N/-S(1422.74) E/-W(-2145.02)
#83 MD(7485.00) Inc(19.39) Azm(308.48) TVD(6959.46)
VS(1440.58) N/-S(1442.10) E/-W(-2170.65)
#84 MD(7580.00) Inc(21.39) Azm(301.69) TVD(7048.51)
VS(1459.48) N/-S(1461.01) E/-W(-2197.74)
#85 MD(7673.00) Inc(22.74) Azm(303.32) TVD(7134.70)
VS(1478.24) N/-S(1479.80) E/-W(-2227.19)
#86 MD(7765.00) Inc(21.82) Azm(305.51) TVD(7219.83)
VS(1497.92) N/-S(1499.50) E/-W(-2255.97)
#87 MD(7857.00) Inc(25.05) Azm(315.47) TVD(7304.26)
VS(1521.73) N/-S(1523.33) E/-W(-2283.56)
#88 MD(7949.00) Inc(27.26) Azm(329.65) TVD(7386.92)
VS(1553.82) N/-S(1555.43) E/-W(-2307.89)
#89 MD(8041.00) Inc(34.26) Azm(323.70) TVD(7465.95)
VS(1592.91) N/-S(1594.54) E/-W(-2333.91)
#90 MD(8134.00) Inc(38.58) Azm(328.10) TVD(7540.78)
VS(1638.63) N/-S(1640.29) E/-W(-2364.75)
#91 MD(8226.00) Inc(43.59) Azm(333.32) TVD(7610.12)
VS(1691.36) N/-S(1693.03) E/-W(-2394.18)

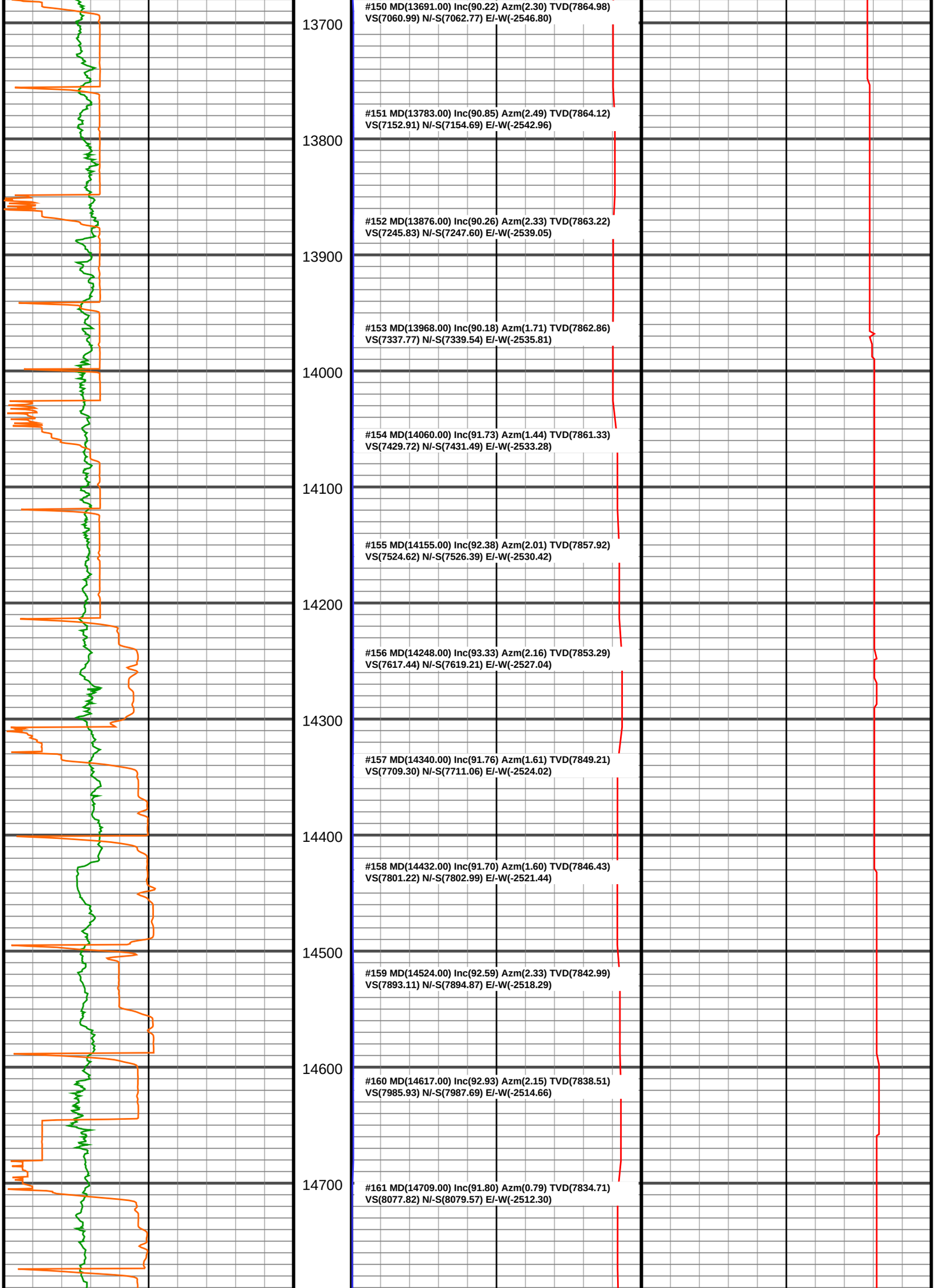

#92 MD(8319.00) Inc(48.16) Azm(340.96) TVD(7674.90)
VS(1752.81) N/-S(1754.50) E/-W(-2419.91)
8400
#93 MD(8411.00) Inc(56.83) Azm(343.41) TVD(7730.87)
VS(1822.23) N/-S(1823.94) E/-W(-2442.13)
8500
#94 MD(8504.00) Inc(61.11) Azm(345.48) TVD(7778.80)
VS(1898.98) N/-S(1900.70) E/-W(-2463.46)
8600
#95 MD(8597.00) Inc(70.47) Azm(348.51) TVD(7816.90)
VS(1981.52) N/-S(1983.26) E/-W(-2482.44)
#96 MD(8689.00) Inc(76.92) Azm(353.51) TVD(7842.73)
VS(2068.66) N/-S(2070.40) E/-W(-2496.16)
8700
#97 MD(8782.00) Inc(76.51) Azm(354.10) TVD(7864.10)
VS(2158.63) N/-S(2160.38) E/-W(-2505.93)
8800
#98 MD(8874.00) Inc(81.69) Azm(358.82) TVD(7881.50)
VS(2248.74) N/-S(2250.50) E/-W(-2511.47)
8900
#99 MD(8967.00) Inc(86.54) Azm(359.94) TVD(7891.04)
VS(2341.22) N/-S(2342.97) E/-W(-2512.47)
9000
#100 MD(9059.00) Inc(86.01) Azm(359.54) TVD(7897.01)
VS(2433.02) N/-S(2434.78) E/-W(-2512.89)
9100
#101 MD(9152.00) Inc(89.18) Azm(357.39) TVD(7900.92)
VS(2525.89) N/-S(2527.64) E/-W(-2515.38)
9200
#102 MD(9246.00) Inc(90.93) Azm(357.88) TVD(7900.83)
VS(2619.80) N/-S(2621.56) E/-W(-2519.26)
9300
#103 MD(9338.00) Inc(89.10) Azm(359.18) TVD(7900.80)
VS(2711.76) N/-S(2713.52) E/-W(-2521.62)
9400

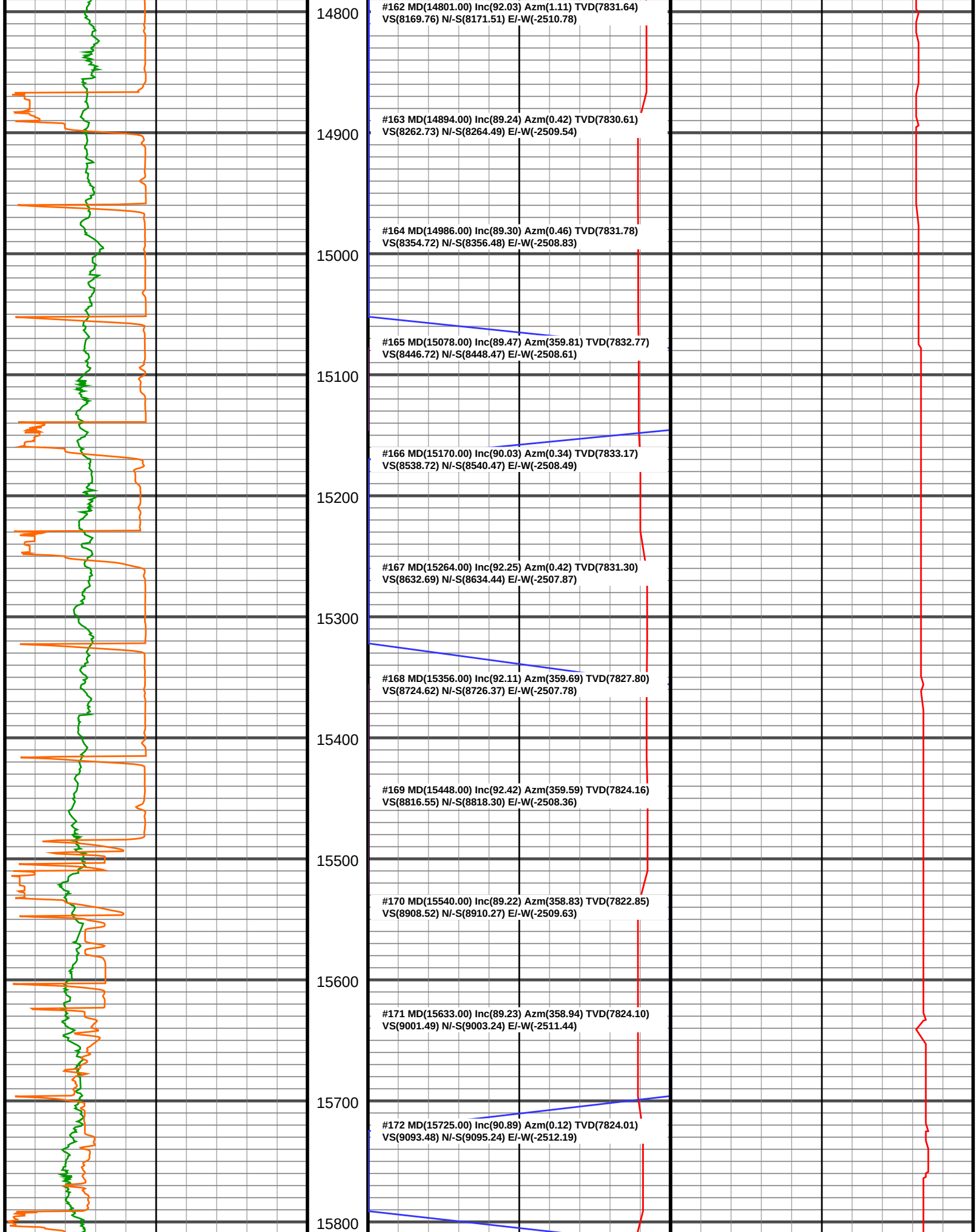

#104 MD(9431.00) Inc(89.04) Azm(358.34) TVD(7902.31)
VS(2804.73) N/-S(2806.49) E/-W(-2523.63)
9500
#105 MD(9524.00) Inc(89.04) Azm(356.79) TVD(7903.87)
VS(2897.62) N/-S(2899.39) E/-W(-2527.58)
9600
#106 MD(9616.00) Inc(89.82) Azm(358.37) TVD(7904.78)
VS(2989.53) N/-S(2991.30) E/-W(-2531.46)
9700
#107 MD(9708.00) Inc(89.19) Azm(357.39) TVD(7905.58)
VS(3081.46) N/-S(3083.23) E/-W(-2534.87)
9800
#108 MD(9802.00) Inc(89.54) Azm(359.76) TVD(7906.62)
VS(3175.42) N/-S(3177.19) E/-W(-2537.20)
9900
#109 MD(9894.00) Inc(89.88) Azm(359.07) TVD(7907.09)
VS(3267.41) N/-S(3269.18) E/-W(-2538.14)
10000
#110 MD(9988.00) Inc(90.45) Azm(358.69) TVD(7906.82)
VS(3361.39) N/-S(3363.16) E/-W(-2539.98)
10100
#111 MD(10081.00) Inc(90.34) Azm(357.41) TVD(7906.17)
VS(3454.33) N/-S(3456.11) E/-W(-2543.15)
10200
#112 MD(10174.00) Inc(90.89) Azm(359.42) TVD(7905.18)
VS(3547.28) N/-S(3549.06) E/-W(-2545.72)
10300
#113 MD(10266.00) Inc(91.12) Azm(358.82) TVD(7903.56)
VS(3639.25) N/-S(3641.03) E/-W(-2547.13)
10400
#114 MD(10360.00) Inc(90.29) Azm(357.08) TVD(7902.41)
VS(3733.18) N/-S(3734.96) E/-W(-2550.49)

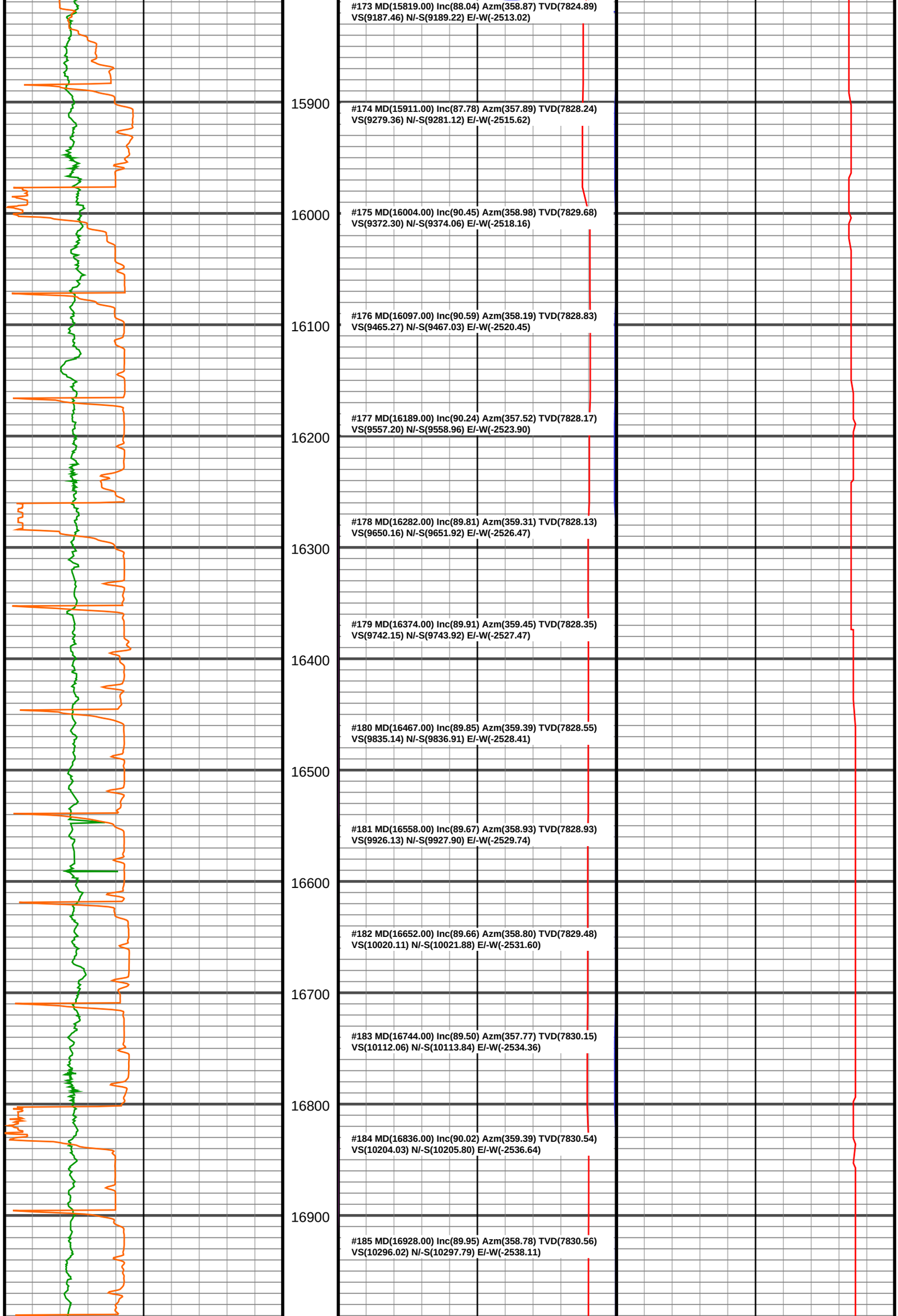

#115 MD(10451.00) Inc(89.35) Azm(358.66) TVD(7902.69)
VS(3824.11) N/-S(3825.89) E/-W(-2553.87)
10500
#116 MD(10543.00) Inc(88.98) Azm(357.63) TVD(7904.03)
VS(3916.05) N/-S(3917.84) E/-W(-2556.85)
10600
#117 MD(10635.00) Inc(88.31) Azm(0.12) TVD(7906.21)
VS(4008.00) N/-S(4009.78) E/-W(-2558.66)
10700
#118 MD(10727.00) Inc(88.06) Azm(0.48) TVD(7909.12)
VS(4099.95) N/-S(4101.74) E/-W(-2558.18)
10800
#119 MD(10819.00) Inc(89.78) Azm(3.43) TVD(7910.86)
VS(4191.87) N/-S(4193.65) E/-W(-2555.04)
10900
#120 MD(10911.00) Inc(90.57) Azm(3.36) TVD(7910.58)
VS(4283.71) N/-S(4285.49) E/-W(-2549.59)
11000
#121 MD(11004.00) Inc(91.49) Azm(3.13) TVD(7908.90)
VS(4376.55) N/-S(4378.33) E/-W(-2544.33)
11100
#122 MD(11096.00) Inc(91.39) Azm(3.37) TVD(7906.59)
VS(4468.37) N/-S(4470.15) E/-W(-2539.11)
11200
#123 MD(11188.00) Inc(90.78) Azm(2.91) TVD(7904.85)
VS(4560.22) N/-S(4561.99) E/-W(-2534.07)
11300
#124 MD(11282.00) Inc(90.85) Azm(2.48) TVD(7903.51)
VS(4654.11) N/-S(4655.88) E/-W(-2529.66)
11400
#125 MD(11374.00) Inc(90.01) Azm(2.22) TVD(7902.82)
VS(4746.03) N/-S(4747.80) E/-W(-2525.88)
11500
#126 MD(11466.00) Inc(90.51) Azm(2.41) TVD(7902.40)
VS(4837.96) N/-S(4839.72) E/-W(-2522.17)

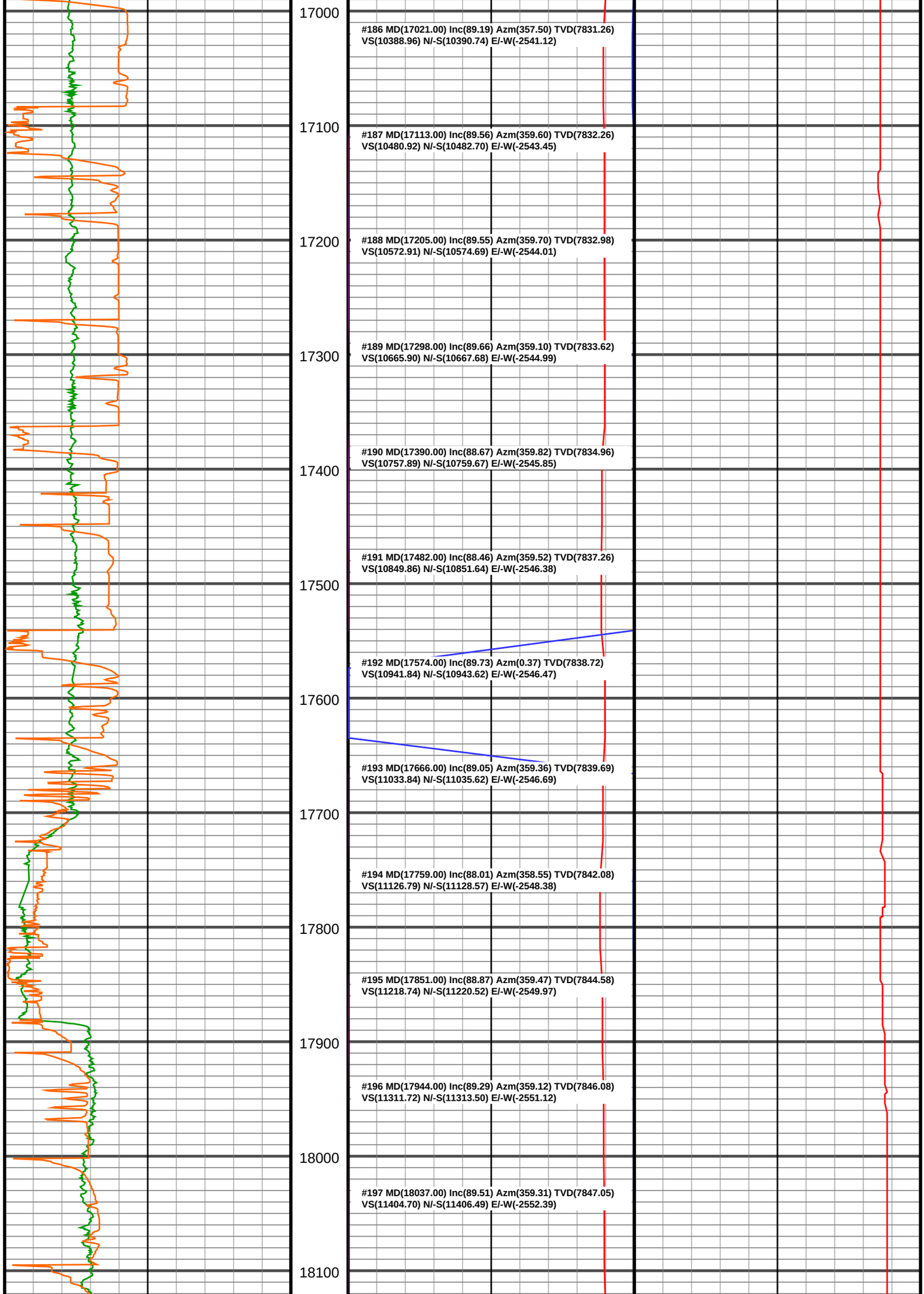

#127 MD(11561.00) Inc(90.49) Azm(2.04) TVD(7901.58)
VS(4932.89) N/-S(4934.65) E/-W(-2518.48)
11600
#128 MD(11653.00) Inc(91.11) Azm(2.33) TVD(7900.29)
VS(5024.81) N/-S(5026.57) E/-W(-2514.97)
11700
#129 MD(11745.00) Inc(91.61) Azm(2.34) TVD(7898.11)
VS(5116.71) N/-S(5118.47) E/-W(-2511.22)
11800
#130 MD(11839.00) Inc(91.15) Azm(1.87) TVD(7895.84)
VS(5210.62) N/-S(5212.38) E/-W(-2507.77)
11900
#131 MD(11933.00) Inc(90.59) Azm(1.11) TVD(7894.42)
VS(5304.58) N/-S(5306.33) E/-W(-2505.33)
12000
#132 MD(12026.00) Inc(90.83) Azm(0.26) TVD(7893.26)
VS(5397.57) N/-S(5399.32) E/-W(-2504.22)
12100
#133 MD(12118.00) Inc(91.19) Azm(0.52) TVD(7891.64)
VS(5489.55) N/-S(5491.30) E/-W(-2503.59)
12200
#134 MD(12210.00) Inc(91.97) Azm(0.58) TVD(7889.11)
VS(5581.51) N/-S(5583.26) E/-W(-2502.71)
12300
#135 MD(12303.00) Inc(92.01) Azm(0.18) TVD(7885.88)
VS(5674.45) N/-S(5676.20) E/-W(-2502.09)
12400
#136 MD(12395.00) Inc(91.65) Azm(359.16) TVD(7882.94)
VS(5766.40) N/-S(5768.15) E/-W(-2502.62)
12500
#137 MD(12488.00) Inc(90.43) Azm(357.37) TVD(7881.25)
VS(5859.34) N/-S(5861.09) E/-W(-2505.44)

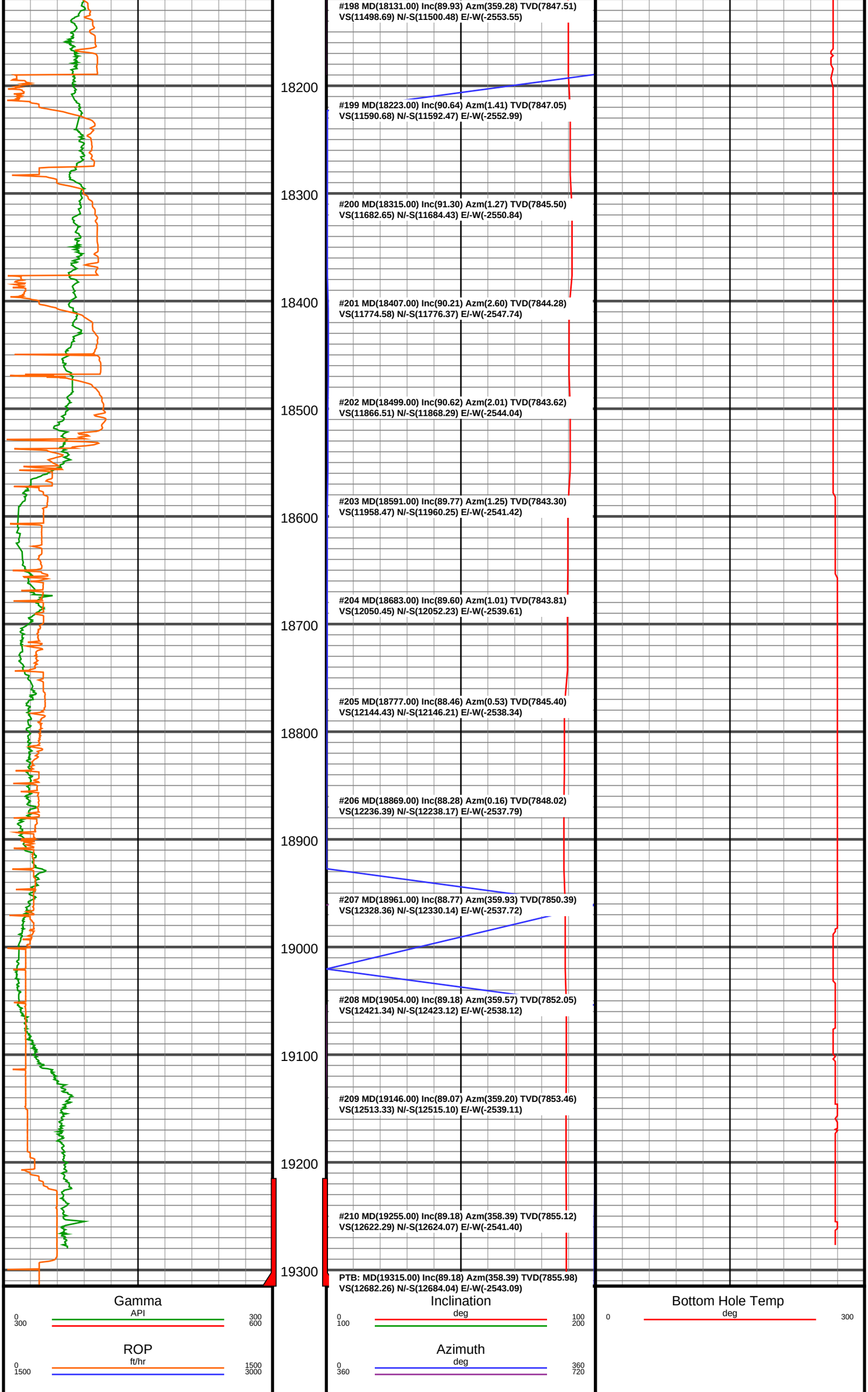

#138 MD(12580.00) Inc(90.49) Azm(356.63) TVD(7880.51)
VS(5951.21) N/-S(5952.96) E/-W(-2510.25)
12600
#139 MD(12673.00) Inc(89.89) Azm(356.29) TVD(7880.20)
VS(6044.02) N/-S(6045.78) E/-W(-2515.99)
12700
#140 MD(12766.00) Inc(89.62) Azm(356.37) TVD(7880.60)
VS(6136.83) N/-S(6138.59) E/-W(-2521.95)
12800
#141 MD(12858.00) Inc(89.98) Azm(356.88) TVD(7880.92)
VS(6228.66) N/-S(6230.43) E/-W(-2527.36)
12900
#142 MD(12952.00) Inc(89.72) Azm(357.77) TVD(7881.17)
VS(6322.56) N/-S(6324.33) E/-W(-2531.75)
13000
#143 MD(13044.00) Inc(92.01) Azm(358.15) TVD(7879.78)
VS(6414.48) N/-S(6416.25) E/-W(-2535.02)
13100
#144 MD(13137.00) Inc(92.18) Azm(357.83) TVD(7876.38)
VS(6507.36) N/-S(6509.13) E/-W(-2538.28)
13200
#145 MD(13229.00) Inc(91.63) Azm(356.61) TVD(7873.32)
VS(6599.19) N/-S(6600.97) E/-W(-2542.74)
13300
#146 MD(13321.00) Inc(90.88) Azm(359.40) TVD(7871.31)
VS(6691.10) N/-S(6692.88) E/-W(-2545.94)
13400
#147 MD(13413.00) Inc(91.92) Azm(359.21) TVD(7869.06)
VS(6783.07) N/-S(6784.85) E/-W(-2547.06)
13500
#148 MD(13507.00) Inc(90.95) Azm(359.33) TVD(7866.70)
VS(6877.03) N/-S(6878.81) E/-W(-2548.26)
13600
#149 MD(13599.00) Inc(90.49) Azm(0.09) TVD(7865.55)
VS(6969.02) N/-S(6970.80) E/-W(-2548.72)


13700
13800
13900
14000
14100
14200
14300
14400
14500
14600
14700
#150 MD(13691.00) Inc(90.22) Azm(2.30) TVD(7864.98)
VS(7060.99) N/-S(7062.77) E/-W(-2546.80)
#151 MD(13783.00) Inc(90.85) Azm(2.49) TVD(7864.12)
VS(7152.91) N/-S(7154.69) E/-W(-2542.96)
#152 MD(13876.00) Inc(90.26) Azm(2.33) TVD(7863.22)
VS(7245.83) N/-S(7247.60) E/-W(-2539.05)
#153 MD(13968.00) Inc(90.18) Azm(1.71) TVD(7862.86)
VS(7337.77) N/-S(7339.54) E/-W(-2535.81)
#154 MD(14060.00) Inc(91.73) Azm(1.44) TVD(7861.33)
VS(7429.72) N/-S(7431.49) E/-W(-2533.28)
#155 MD(14155.00) Inc(92.38) Azm(2.01) TVD(7857.92)
VS(7524.62) N/-S(7526.39) E/-W(-2530.42)
#156 MD(14248.00) Inc(93.33) Azm(2.16) TVD(7853.29)
VS(7617.44) N/-S(7619.21) E/-W(-2527.04)
#157 MD(14340.00) Inc(91.76) Azm(1.61) TVD(7849.21)
VS(7709.30) N/-S(7711.06) E/-W(-2524.02)
#158 MD(14432.00) Inc(91.70) Azm(1.60) TVD(7846.43)
VS(7801.22) N/-S(7802.99) E/-W(-2521.44)
#159 MD(14524.00) Inc(92.59) Azm(2.33) TVD(7842.99)
VS(7893.11) N/-S(7894.87) E/-W(-2518.29)
#160 MD(14617.00) Inc(92.93) Azm(2.15) TVD(7838.51)
VS(7985.93) N/-S(7987.69) E/-W(-2514.66)
#161 MD(14709.00) Inc(91.80) Azm(0.79) TVD(7834.71)
VS(8077.82) N/-S(8079.57) E/-W(-2512.30)


14800
#162 MD(14801.00) Inc(92.03) Azm(1.11) TVD(7831.64)
VS(8169.76) N/-S(8171.51) E/-W(-2510.78)
14900
#163 MD(14894.00) Inc(89.24) Azm(0.42) TVD(7830.61)
VS(8262.73) N/-S(8264.49) E/-W(-2509.54)
#164 MD(14986.00) Inc(89.30) Azm(0.46) TVD(7831.78)
VS(8354.72) N/-S(8356.48) E/-W(-2508.83)
15000
#165 MD(15078.00) Inc(89.47) Azm(359.81) TVD(7832.77)
VS(8446.72) N/-S(8448.47) E/-W(-2508.61)
15100
#166 MD(15170.00) Inc(90.03) Azm(0.34) TVD(7833.17)
VS(8538.72) N/-S(8540.47) E/-W(-2508.49)
15200
#167 MD(15264.00) Inc(92.25) Azm(0.42) TVD(7831.30)
VS(8632.69) N/-S(8634.44) E/-W(-2507.87)
15300
#168 MD(15356.00) Inc(92.11) Azm(359.69) TVD(7827.80)
VS(8724.62) N/-S(8726.37) E/-W(-2507.78)
15400
#169 MD(15448.00) Inc(92.42) Azm(359.59) TVD(7824.16)
VS(8816.55) N/-S(8818.30) E/-W(-2508.36)
15500
#170 MD(15540.00) Inc(89.22) Azm(358.83) TVD(7822.85)
VS(8908.52) N/-S(8910.27) E/-W(-2509.63)
15600
#171 MD(15633.00) Inc(89.23) Azm(358.94) TVD(7824.10)
VS(9001.49) N/-S(9003.24) E/-W(-2511.44)
15700
#172 MD(15725.00) Inc(90.89) Azm(0.12) TVD(7824.01)
VS(9093.48) N/-S(9095.24) E/-W(-2512.19)
15800


#173 MD(15819.00) Inc(88.04) Azm(358.87) TVD(7824.89)
VS(9187.46) N/-S(9189.22) E/-W(-2513.02)
15900
#174 MD(15911.00) Inc(87.78) Azm(357.89) TVD(7828.24)
VS(9279.36) N/-S(9281.12) E/-W(-2515.62)
16000
#175 MD(16004.00) Inc(90.45) Azm(358.98) TVD(7829.68)
VS(9372.30) N/-S(9374.06) E/-W(-2518.16)
16100
#176 MD(16097.00) Inc(90.59) Azm(358.19) TVD(7828.83)
VS(9465.27) N/-S(9467.03) E/-W(-2520.45)
#177 MD(16189.00) Inc(90.24) Azm(357.52) TVD(7828.17)
VS(9557.20) N/-S(9558.96) E/-W(-2523.90)
16200
#178 MD(16282.00) Inc(89.81) Azm(359.31) TVD(7828.13)
VS(9650.16) N/-S(9651.92) E/-W(-2526.47)
16300
#179 MD(16374.00) Inc(89.91) Azm(359.45) TVD(7828.35)
VS(9742.15) N/-S(9743.92) E/-W(-2527.47)
16400
#180 MD(16467.00) Inc(89.85) Azm(359.39) TVD(7828.55)
VS(9835.14) N/-S(9836.91) E/-W(-2528.41)
16500
#181 MD(16558.00) Inc(89.67) Azm(358.93) TVD(7828.93)
VS(9926.13) N/-S(9927.90) E/-W(-2529.74)
16600
#182 MD(16652.00) Inc(89.66) Azm(358.80) TVD(7829.48)
VS(10020.11) N/-S(10021.88) E/-W(-2531.60)
16700
#183 MD(16744.00) Inc(89.50) Azm(357.77) TVD(7830.15)
VS(10112.06) N/-S(10113.84) E/-W(-2534.36)
16800
#184 MD(16836.00) Inc(90.02) Azm(359.39) TVD(7830.54)
VS(10204.03) N/-S(10205.80) E/-W(-2536.64)
16900
#185 MD(16928.00) Inc(89.95) Azm(358.78) TVD(7830.56)
VS(10296.02) N/-S(10297.79) E/-W(-2538.11)


17000
#186 MD(17021.00) Inc(89.19) Azm(357.50) TVD(7831.26)
VS(10388.96) N/-S(10390.74) E/-W(-2541.12)
17100
#187 MD(17113.00) Inc(89.56) Azm(359.60) TVD(7832.26)
VS(10480.92) N/-S(10482.70) E/-W(-2543.45)
17200
#188 MD(17205.00) Inc(89.55) Azm(359.70) TVD(7832.98)
VS(10572.91) N/-S(10574.69) E/-W(-2544.01)
17300
#189 MD(17298.00) Inc(89.66) Azm(359.10) TVD(7833.62)
VS(10665.90) N/-S(10667.68) E/-W(-2544.99)
17400
#190 MD(17390.00) Inc(88.67) Azm(359.82) TVD(7834.96)
VS(10757.89) N/-S(10759.67) E/-W(-2545.85)
17500
#191 MD(17482.00) Inc(88.46) Azm(359.52) TVD(7837.26)
VS(10849.86) N/-S(10851.64) E/-W(-2546.38)
#192 MD(17574.00) Inc(89.73) Azm(0.37) TVD(7838.72)
VS(10941.84) N/-S(10943.62) E/-W(-2546.47)
17600
#193 MD(17666.00) Inc(89.05) Azm(359.36) TVD(7839.69)
VS(11033.84) N/-S(11035.62) E/-W(-2546.69)
17700
#194 MD(17759.00) Inc(88.01) Azm(358.55) TVD(7842.08)
VS(11126.79) N/-S(11128.57) E/-W(-2548.38)
17800
#195 MD(17851.00) Inc(88.87) Azm(359.47) TVD(7844.58)
VS(11218.74) N/-S(11220.52) E/-W(-2549.97)
17900
#196 MD(17944.00) Inc(89.29) Azm(359.12) TVD(7846.08)
VS(11311.72) N/-S(11313.50) E/-W(-2551.12)
18000
#197 MD(18037.00) Inc(89.51) Azm(359.31) TVD(7847.05)
VS(11404.70) N/-S(11406.49) E/-W(-2552.39)
18100


#198 MD(18131.00) Inc(89.93) Azm(359.28) TVD(7847.51)
VS(11498.69) N/-S(11500.48) E/-W(-2553.55)
18200
#199 MD(18223.00) Inc(90.64) Azm(1.41) TVD(7847.05)
VS(11590.68) N/-S(11592.47) E/-W(-2552.99)
18300
#200 MD(18315.00) Inc(91.30) Azm(1.27) TVD(7845.50)
VS(11682.65) N/-S(11684.43) E/-W(-2550.84)
18400
#201 MD(18407.00) Inc(90.21) Azm(2.60) TVD(7844.28)
VS(11774.58) N/-S(11776.37) E/-W(-2547.74)
18500
#202 MD(18499.00) Inc(90.62) Azm(2.01) TVD(7843.62)
VS(11866.51) N/-S(11868.29) E/-W(-2544.04)
18600
#203 MD(18591.00) Inc(89.77) Azm(1.25) TVD(7843.30)
VS(11958.47) N/-S(11960.25) E/-W(-2541.42)
18700
#204 MD(18683.00) Inc(89.60) Azm(1.01) TVD(7843.81)
VS(12050.45) N/-S(12052.23) E/-W(-2539.61)
18800
#205 MD(18777.00) Inc(88.46) Azm(0.53) TVD(7845.40)
VS(12144.43) N/-S(12146.21) E/-W(-2538.34)
18900
#206 MD(18869.00) Inc(88.28) Azm(0.16) TVD(7848.02)
VS(12236.39) N/-S(12238.17) E/-W(-2537.79)
19000
#207 MD(18961.00) Inc(88.77) Azm(359.93) TVD(7850.39)
VS(12328.36) N/-S(12330.14) E/-W(-2537.72)
19100
#208 MD(19054.00) Inc(89.18) Azm(359.57) TVD(7852.05)
VS(12421.34) N/-S(12423.12) E/-W(-2538.12)
19200
#209 MD(19146.00) Inc(89.07) Azm(359.20) TVD(7853.46)
VS(12513.33) N/-S(12515.10) E/-W(-2539.11)
19300
#210 MD(19255.00) Inc(89.18) Azm(358.39) TVD(7855.12)
VS(12622.29) N/-S(12624.07) E/-W(-2541.40)
PTB: MD(19315.00) Inc(89.18) Azm(358.39) TVD(7855.98)
VS(12682.26) N/-S(12684.04) E/-W(-2543.09)
Gamma
API
0
300
300
600
ROP
ft/hr
0
1500
1500
3000
Inclination
deg
0
100
100
200
Azimuth
deg
0
360
360
720
Bottom Hole Temp
deg
0
300