

Resolute E25-63-1HN

MD
1" : 100'

Company: Noble Energy Inc

Well Name: Steadfast E27-62-1HN

API: 05-123-38156

Rig Id: Precision 828

State: Colorado

County/Parish: Weld

Country: USA

Survey Company: Ensign Directional

Job number: 207-P828-33

Company Man 1 Gary Stapleton

Directional Driller 1 Tyler Batchelder

Directional Driller 2 Matt Mason

MWD 1 Nick Jones

MWD 2 Damien Hunter

Log measurements: Gamma

Depth measured from: KB

Maximum temperature:

Depth Date

Start: 59.4 ft 6/18/2014

End: 13603 ft 6/25/2014

Casing Depth Size

Surface: 587 9.625

Intermediate: 7180 7

Mud Type: Water Based

Density:

Viscosity:

Rm:

Rmf:

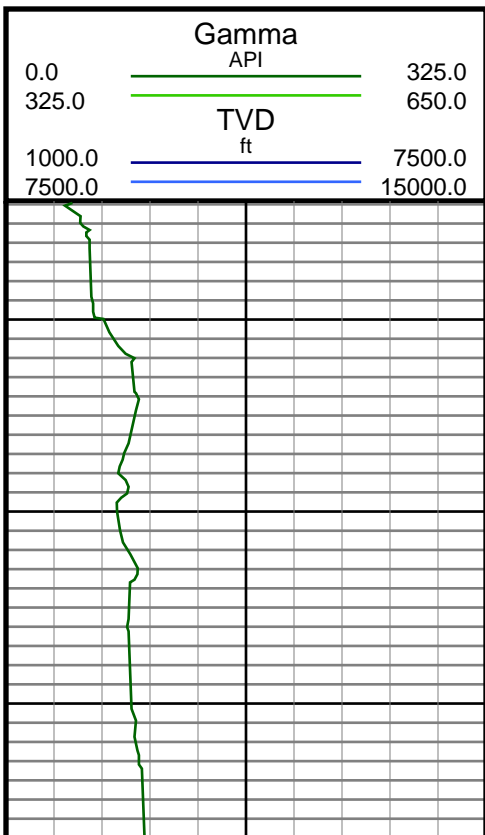
Rmc:

Elevations
KB: 4692
GL: 4676
DF: 4692

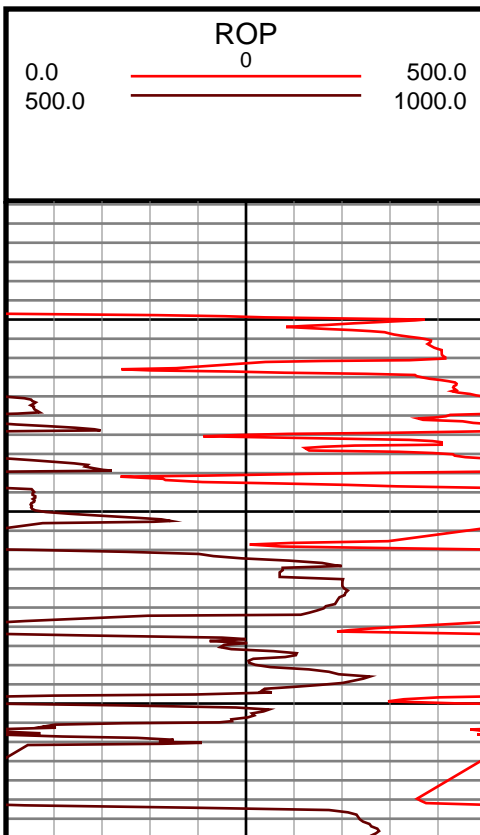
Run	Bit Size	Gamma	Survey	Start	End	Start	End	Dates
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1	8 3/4	59.06	54.06	587	7190	6/18/2014	6/20/2014	
2	6 1/8	66.00	61.00	7190	13603	6/22/2014	6/25/2014	
3								
4								
5								
6								
7								
8								
9								
10								

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.



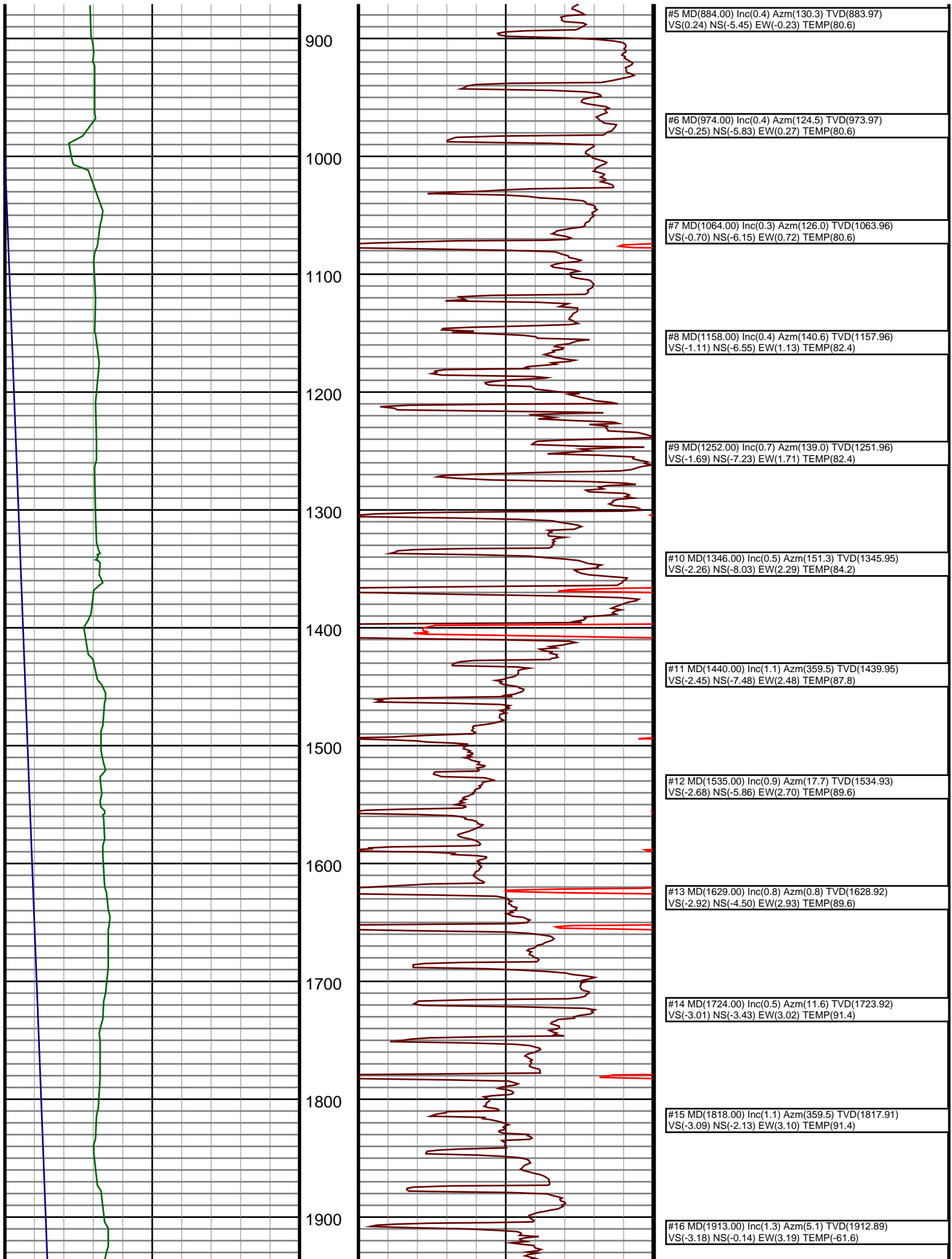
MD

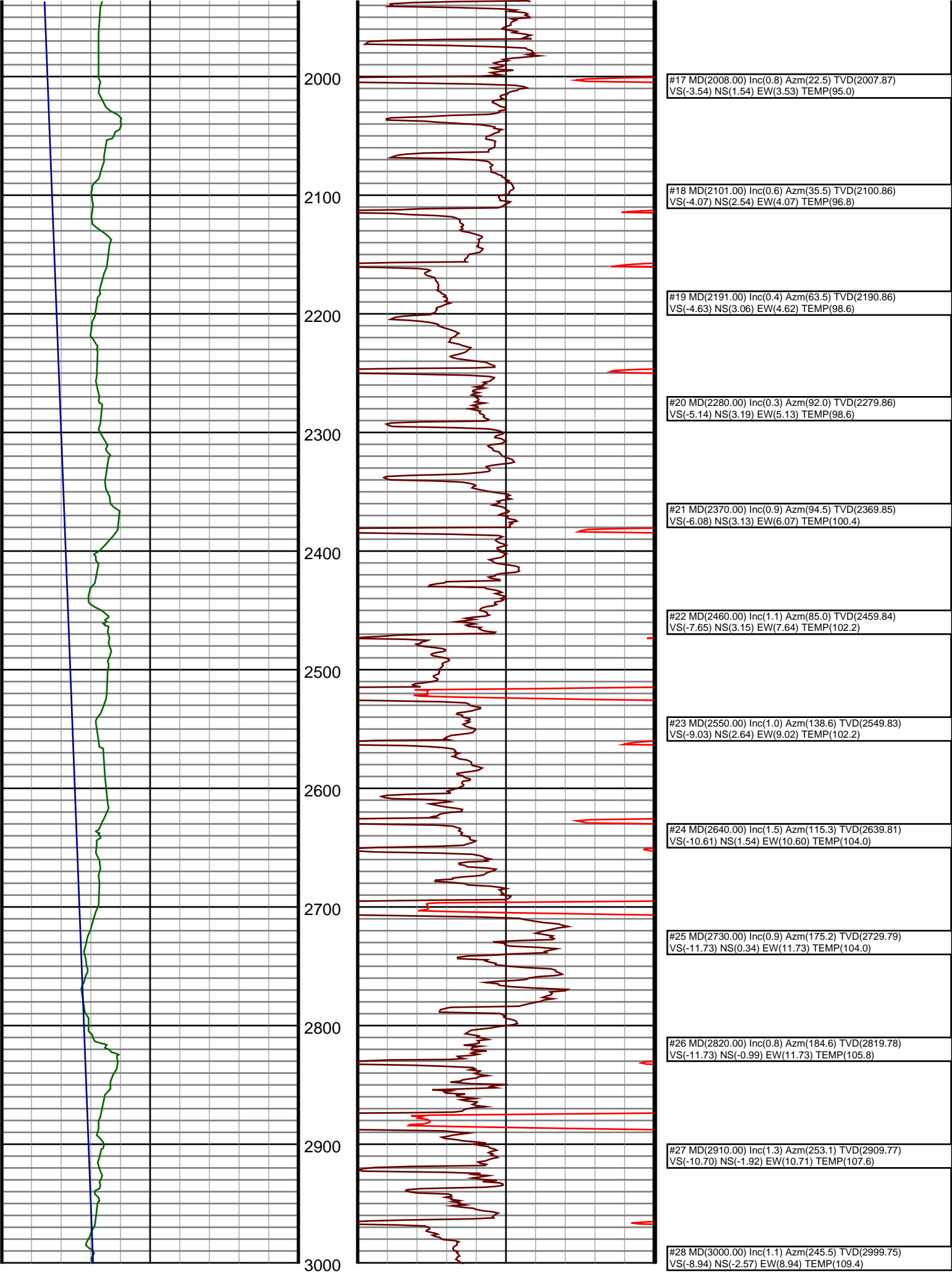


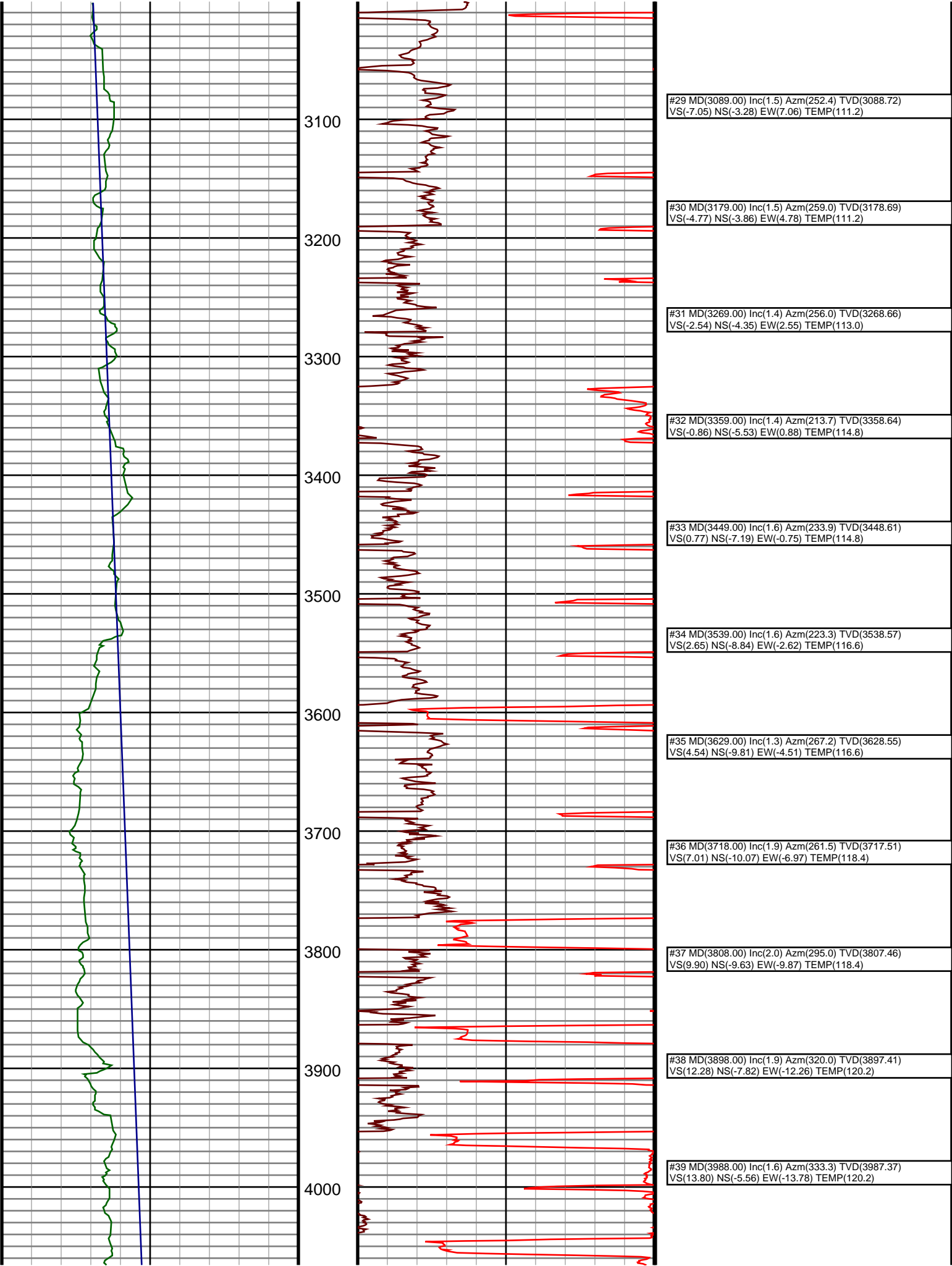
#2 MD(597.00) Inc(0.3) Azm(200.9) TVD(596.98)
VS(1.94) NS(-4.50) EW(-1.93) TEMP(325.4)

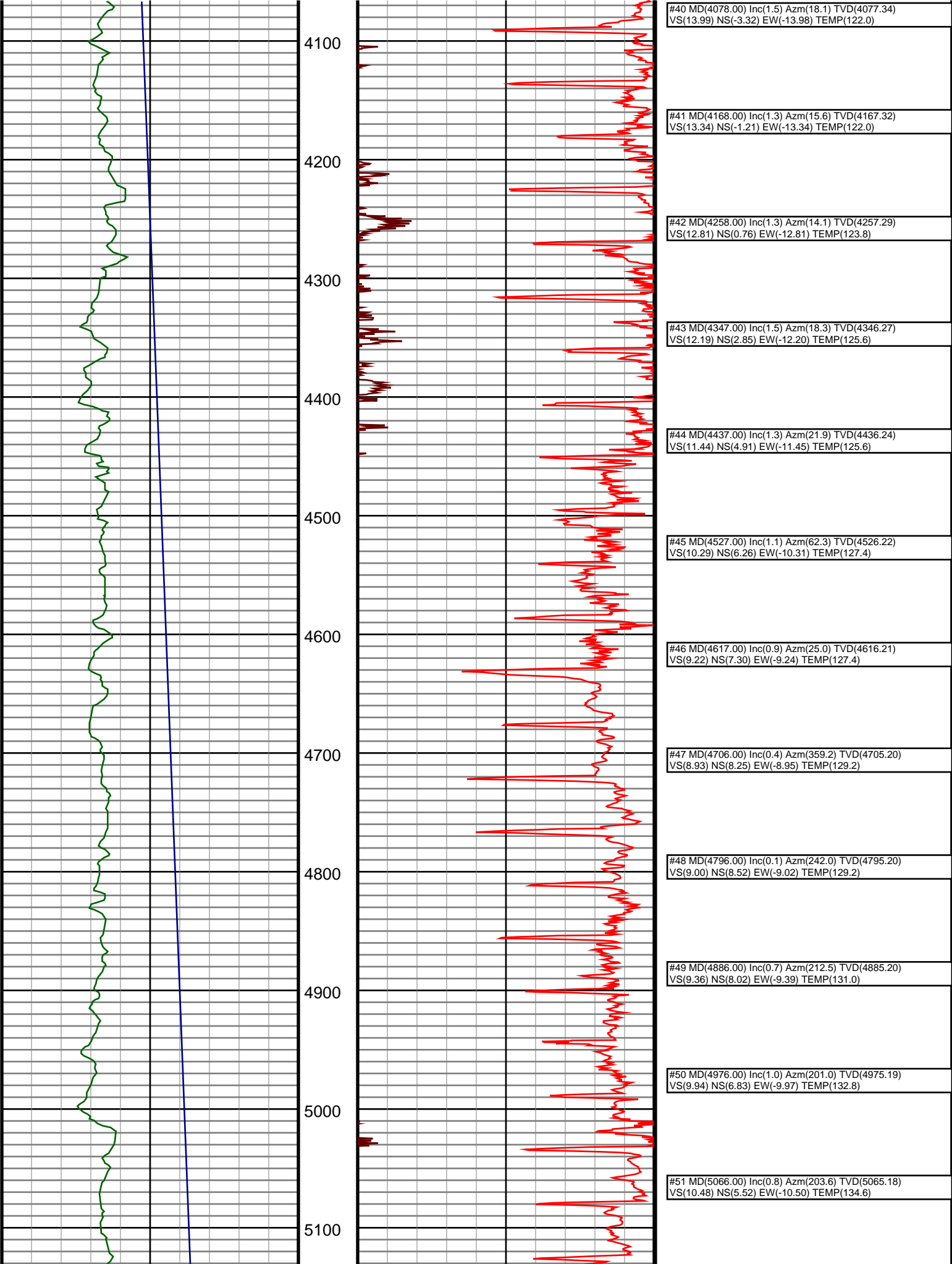
#3 MD(705.00) Inc(0.5) Azm(104.5) TVD(704.97)
VS(1.59) NS(-4.88) EW(-1.57) TEMP(78.8)

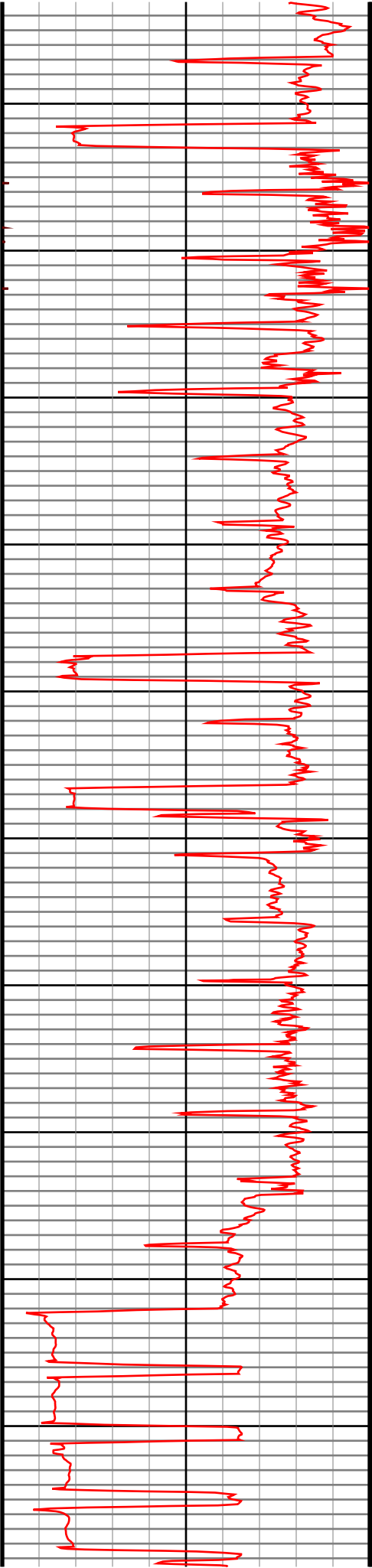
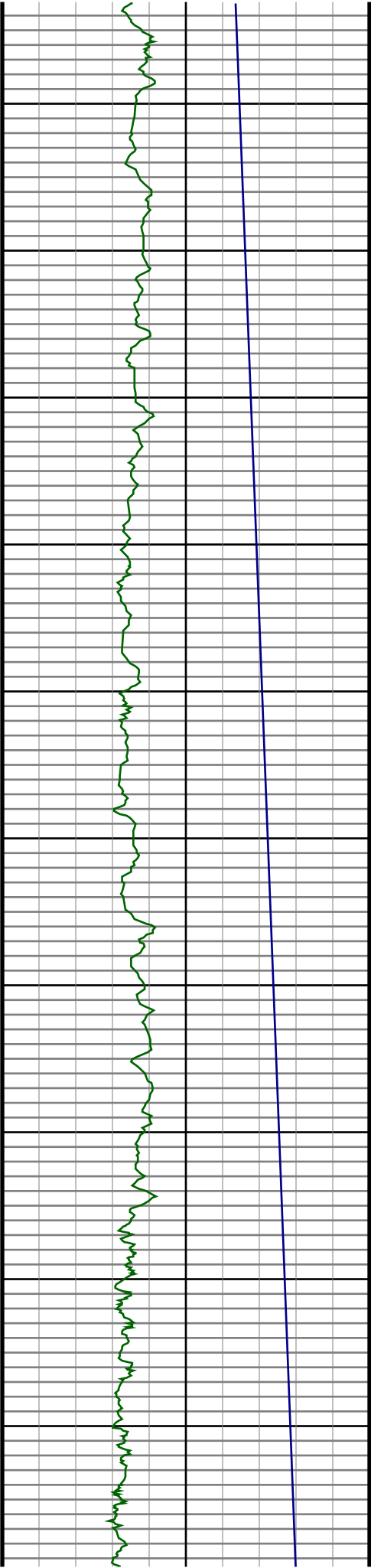
#4 MD(794.00) Inc(0.5) Azm(110.3) TVD(793.97)
VS(0.85) NS(-5.11) EW(-0.83) TEMP(80.6)



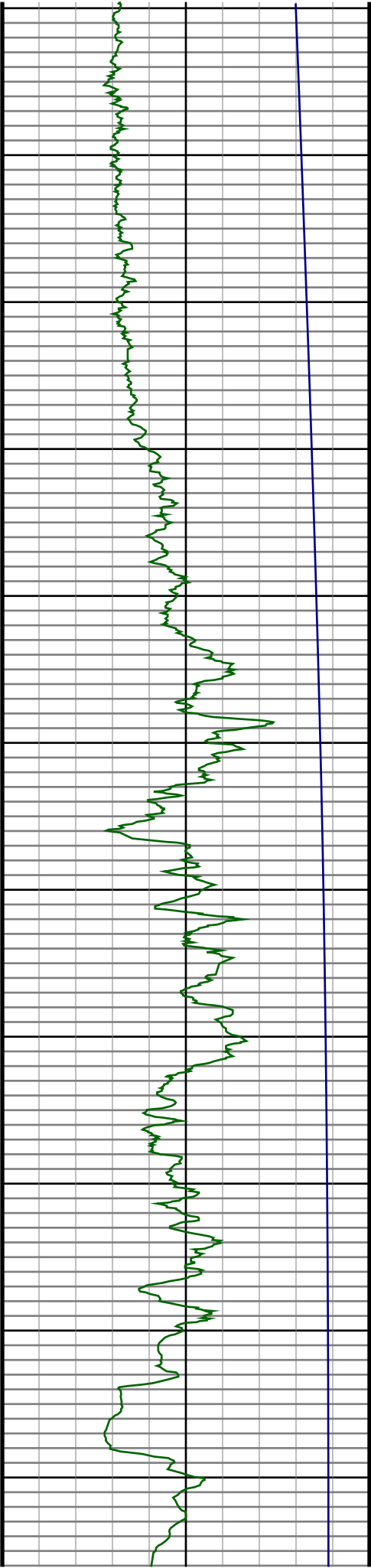




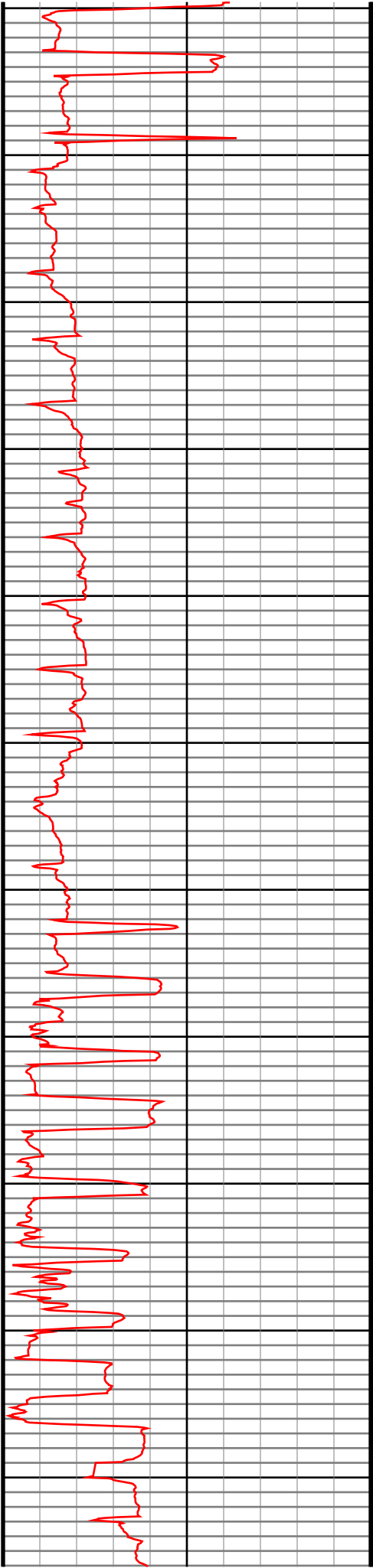




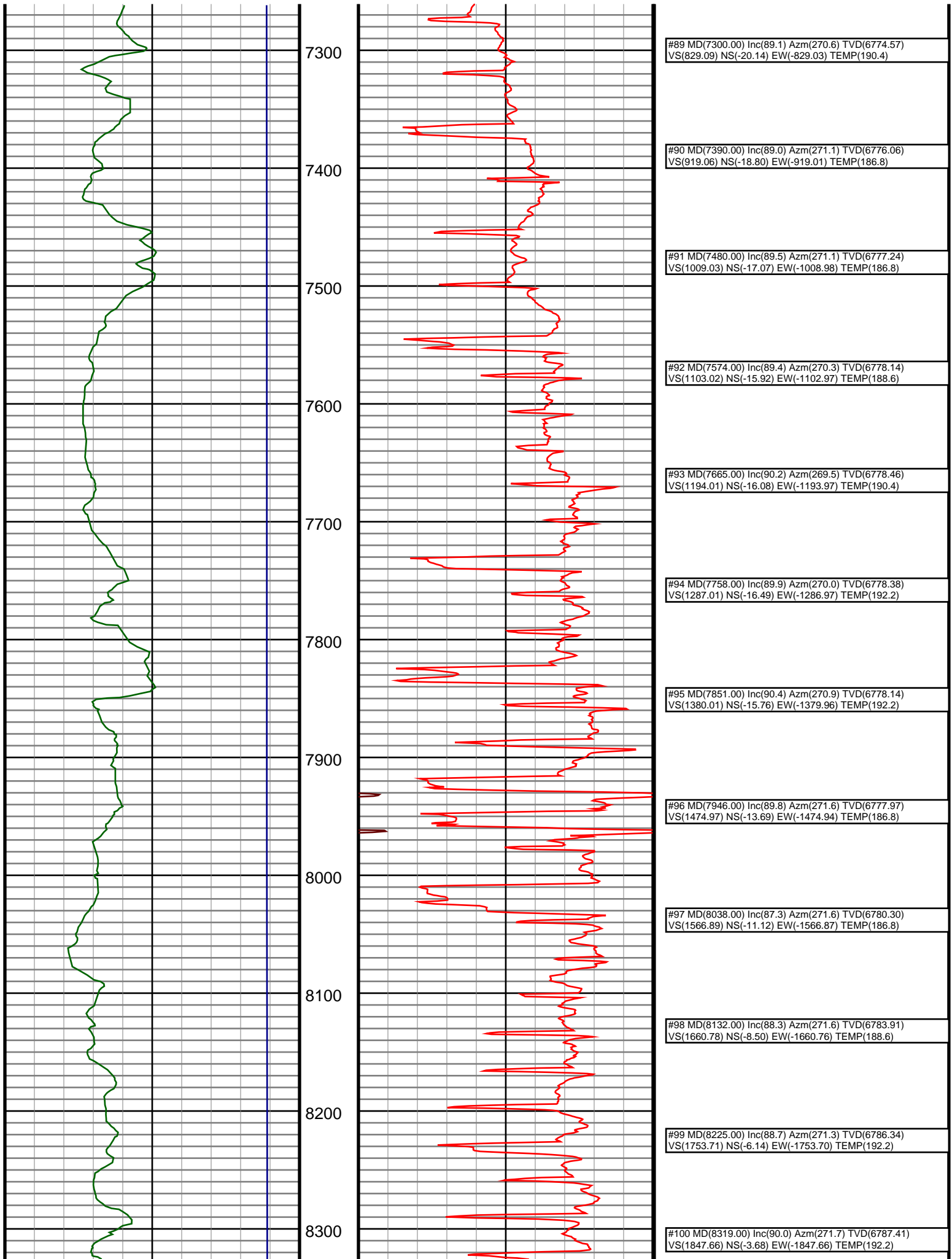
#52 MD(5156.00) Inc(0.8) Azm(208.6) TVD(5155.17) VS(11.04) NS(4.39) EW(-11.05) TEMP(132.8)
#53 MD(5246.00) Inc(0.8) Azm(112.6) TVD(5245.16) VS(10.76) NS(3.60) EW(-10.77) TEMP(131.0)
#54 MD(5336.00) Inc(0.4) Azm(112.0) TVD(5335.16) VS(9.89) NS(3.24) EW(-9.90) TEMP(131.0)
#55 MD(5425.00) Inc(1.0) Azm(83.9) TVD(5424.15) VS(8.83) NS(3.20) EW(-8.84) TEMP(132.8)
#56 MD(5515.00) Inc(0.3) Azm(4.3) TVD(5514.15) VS(8.03) NS(3.52) EW(-8.04) TEMP(131.0)
#57 MD(5605.00) Inc(0.6) Azm(343.8) TVD(5604.14) VS(8.14) NS(4.21) EW(-8.16) TEMP(132.8)
#58 MD(5695.00) Inc(0.7) Azm(89.9) TVD(5694.14) VS(7.72) NS(4.66) EW(-7.74) TEMP(134.6)
#59 MD(5785.00) Inc(0.4) Azm(130.2) TVD(5784.14) VS(6.93) NS(4.46) EW(-6.95) TEMP(136.4)
#60 MD(5875.00) Inc(0.5) Azm(140.8) TVD(5874.13) VS(6.45) NS(3.96) EW(-6.46) TEMP(140.0)
#61 MD(5964.00) Inc(0.4) Azm(156.6) TVD(5963.13) VS(6.08) NS(3.37) EW(-6.09) TEMP(141.8)
#62 MD(6009.00) Inc(0.4) Azm(200.7) TVD(6008.13) VS(6.07) NS(3.08) EW(-6.08) TEMP(145.4)
#63 MD(6054.00) Inc(3.4) Azm(260.0) TVD(6053.10) VS(7.45) NS(2.70) EW(-7.45) TEMP(145.4)
#64 MD(6099.00) Inc(7.1) Azm(261.8) TVD(6097.90) VS(11.52) NS(2.07) EW(-11.52) TEMP(141.8)
#65 MD(6143.00) Inc(9.7) Azm(258.4) TVD(6141.43) VS(17.84) NS(0.94) EW(-17.85) TEMP(145.4)
#66 MD(6188.00) Inc(11.7) Azm(261.3) TVD(6185.64) VS(26.07) NS(-0.52) EW(-26.07) TEMP(145.4)

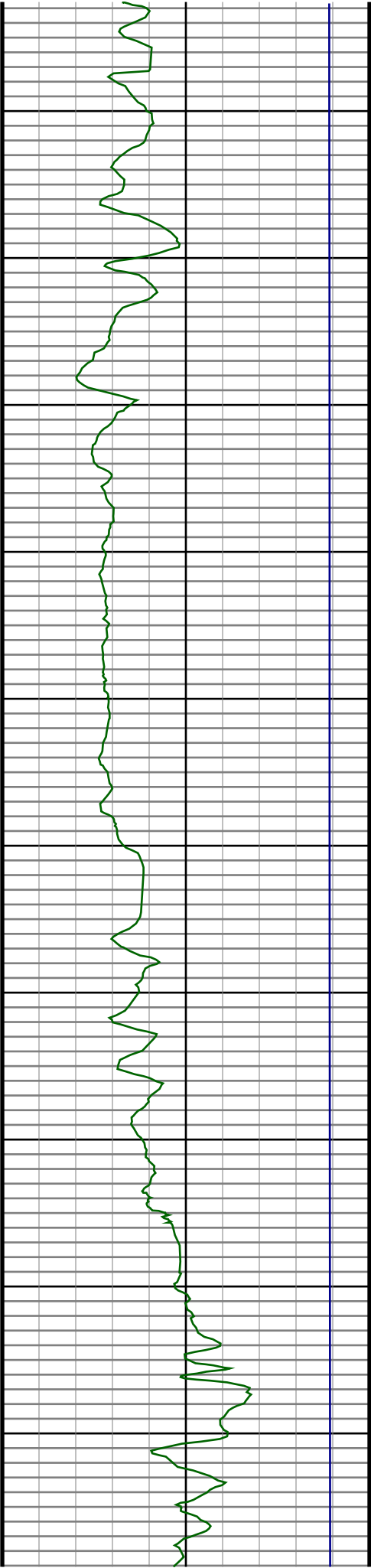


6200
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#67 MD(6233.00) Inc(13.1) Azm(263.1) TVD(6229.59) VS(35.65) NS(-1.82) EW(-35.64) TEMP(145.4)
#68 MD(6278.00) Inc(15.5) Azm(268.6) TVD(6273.20) VS(46.73) NS(-2.58) EW(-46.72) TEMP(145.4)
#69 MD(6323.00) Inc(17.3) Azm(272.5) TVD(6316.37) VS(59.42) NS(-2.43) EW(-59.42) TEMP(145.4)
#70 MD(6368.00) Inc(20.7) Azm(268.5) TVD(6358.91) VS(74.06) NS(-2.35) EW(-74.06) TEMP(262.4)
#71 MD(6413.00) Inc(24.1) Azm(265.8) TVD(6400.51) VS(91.19) NS(-3.23) EW(-91.18) TEMP(262.4)
#72 MD(6458.00) Inc(27.7) Azm(265.2) TVD(6440.98) VS(110.78) NS(-4.78) EW(-110.77) TEMP(262.4)
#73 MD(6503.00) Inc(31.5) Azm(266.5) TVD(6480.10) VS(132.95) NS(-6.37) EW(-132.93) TEMP(262.4)
#74 MD(6548.00) Inc(35.3) Azm(268.8) TVD(6517.67) VS(157.70) NS(-7.36) EW(-157.68) TEMP(262.4)
#75 MD(6593.00) Inc(39.1) Azm(271.8) TVD(6553.51) VS(184.89) NS(-7.19) EW(-184.87) TEMP(262.4)
#76 MD(6638.00) Inc(43.6) Azm(270.3) TVD(6587.28) VS(214.61) NS(-6.66) EW(-214.59) TEMP(262.4)
#77 MD(6683.00) Inc(48.2) Azm(269.7) TVD(6618.59) VS(246.91) NS(-6.67) EW(-246.89) TEMP(262.4)
#78 MD(6728.00) Inc(53.1) Azm(267.4) TVD(6647.11) VS(281.69) NS(-7.57) EW(-281.66) TEMP(262.4)
#79 MD(6772.00) Inc(58.9) Azm(265.6) TVD(6671.71) VS(318.08) NS(-9.82) EW(-318.05) TEMP(159.8)
#80 MD(6817.00) Inc(64.7) Azm(265.0) TVD(6692.97) VS(357.60) NS(-13.07) EW(-357.56) TEMP(159.8)
#81 MD(6862.00) Inc(68.8) Azm(265.4) TVD(6710.73) VS(398.80) NS(-16.53) EW(-398.75) TEMP(161.6)
#82 MD(6907.00) Inc(71.7) Azm(266.6) TVD(6725.93) VS(441.06) NS(-19.48) EW(-441.00) TEMP(159.8)
#83 MD(6952.00) Inc(74.8) Azm(266.7) TVD(6738.90) VS(484.08) NS(-22.00) EW(-484.01) TEMP(161.6)
#84 MD(6997.00) Inc(77.9) Azm(267.4) TVD(6749.52) VS(527.75) NS(-24.25) EW(-527.68) TEMP(161.6)
#85 MD(7042.00) Inc(81.1) Azm(269.8) TVD(6757.72) VS(571.98) NS(-25.32) EW(-571.90) TEMP(161.6)
#86 MD(7087.00) Inc(82.9) Azm(271.5) TVD(6763.98) VS(616.53) NS(-24.81) EW(-616.46) TEMP(161.6)
#87 MD(7135.00) Inc(85.7) Azm(271.6) TVD(6768.75) VS(664.27) NS(-23.52) EW(-664.20) TEMP(161.6)
#88 MD(7210.00) Inc(88.4) Azm(271.3) TVD(6772.61) VS(739.13) NS(-21.63) EW(-739.07) TEMP(190.4)





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8800

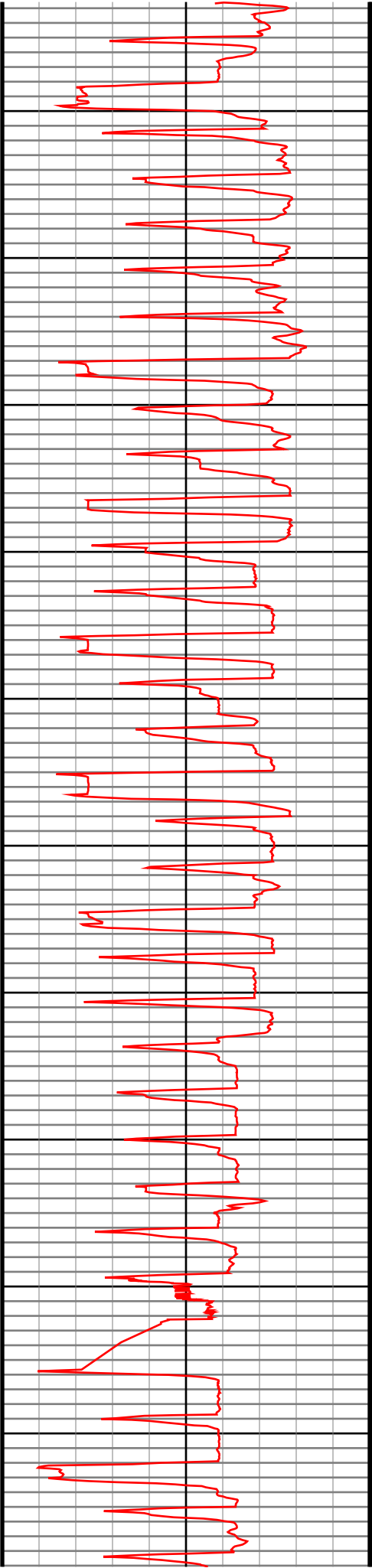
8900

9000

9100

9200

9300



#101 MD(8413.00) Inc(88.0) Azm(270.4) TVD(6789.05)
VS(1941.62) NS(-1.96) EW(-1941.62) TEMP(183.2)

#102 MD(8506.00) Inc(88.5) Azm(271.0) TVD(6791.89)
VS(2034.56) NS(-0.83) EW(-2034.57) TEMP(186.8)

#103 MD(8600.00) Inc(89.2) Azm(270.1) TVD(6793.77)
VS(2128.53) NS(0.08) EW(-2128.54) TEMP(188.6)

#104 MD(8695.00) Inc(90.0) Azm(269.5) TVD(6794.44)
VS(2223.53) NS(-0.25) EW(-2223.54) TEMP(190.4)

#105 MD(8788.00) Inc(90.4) Azm(268.1) TVD(6794.11)
VS(2316.51) NS(-2.20) EW(-2316.52) TEMP(192.2)

#106 MD(8880.00) Inc(89.7) Azm(268.9) TVD(6794.03)
VS(2408.49) NS(-4.61) EW(-2408.48) TEMP(194.0)

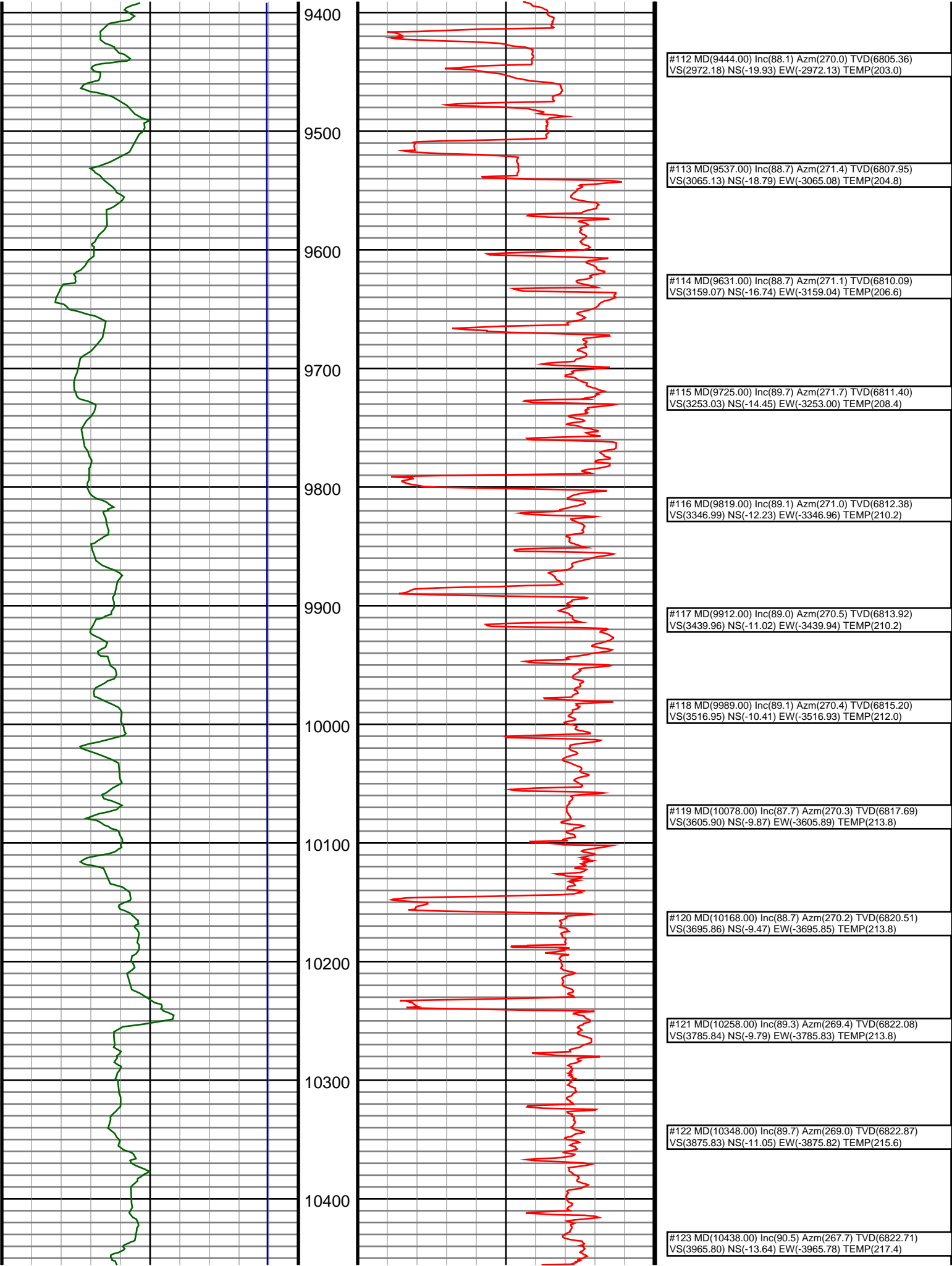
#107 MD(8974.00) Inc(88.8) Azm(268.3) TVD(6795.26)
VS(2502.46) NS(-6.91) EW(-2502.45) TEMP(195.8)

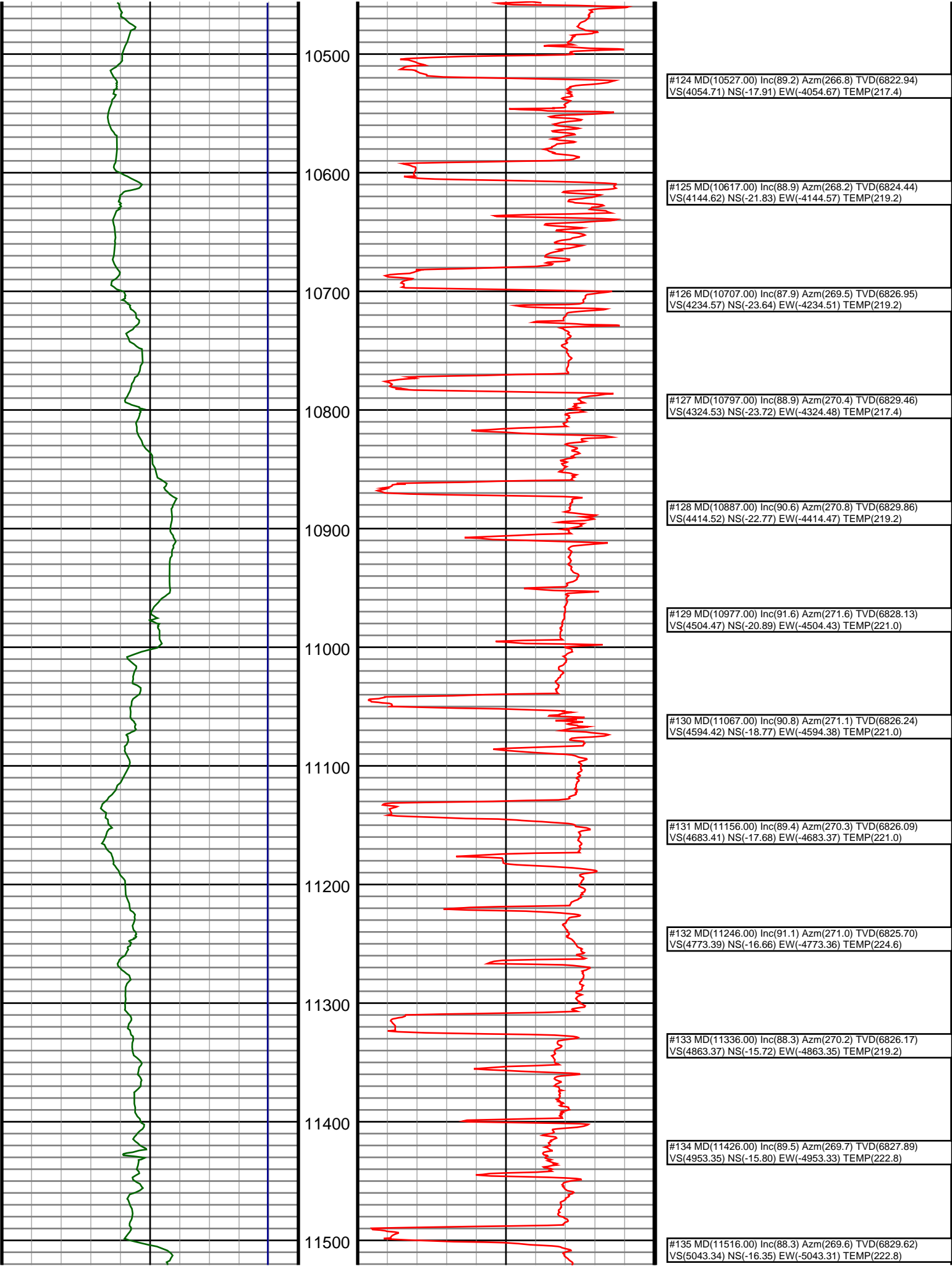
#108 MD(9069.00) Inc(88.8) Azm(268.2) TVD(6797.25)
VS(2597.40) NS(-9.81) EW(-2597.38) TEMP(197.6)

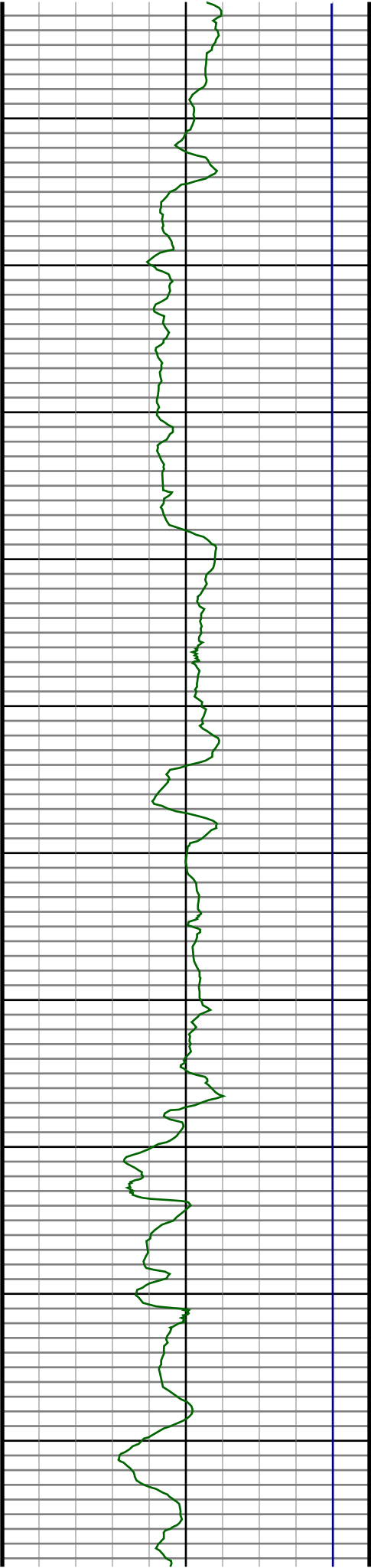
#109 MD(9163.00) Inc(88.9) Azm(268.0) TVD(6799.14)
VS(2691.34) NS(-12.92) EW(-2691.31) TEMP(199.4)

#110 MD(9255.00) Inc(89.0) Azm(267.7) TVD(6800.82)
VS(2783.27) NS(-16.37) EW(-2783.23) TEMP(201.2)

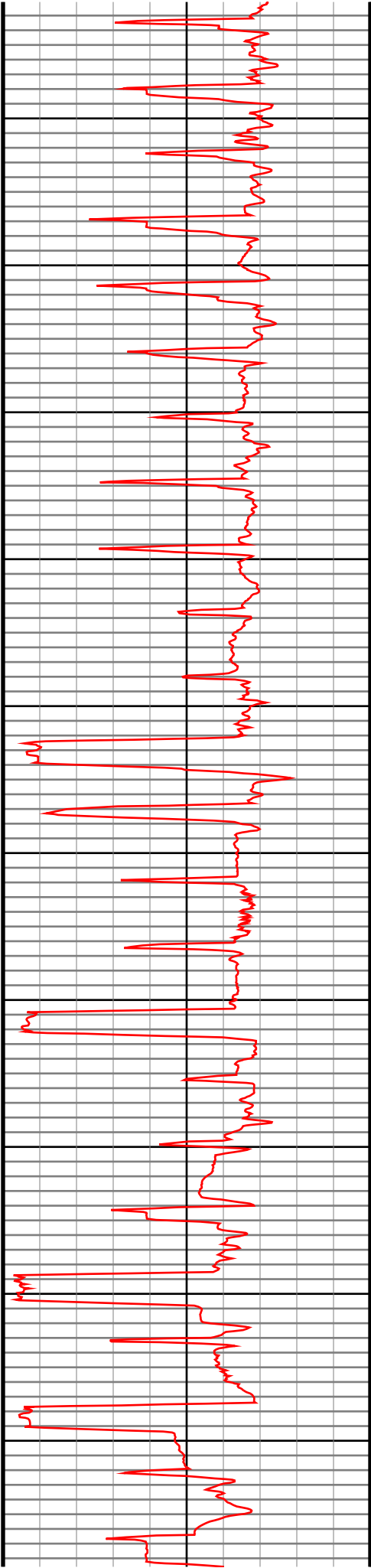
#111 MD(9350.00) Inc(88.7) Azm(269.0) TVD(6802.73)
VS(2878.22) NS(-19.11) EW(-2878.17) TEMP(201.2)







11600
11700
11800
11900
12000
12100
12200
12300
12400
12500



#136 MD(11605.00) Inc(88.4) Azm(269.5) TVD(6832.18) VS(5132.30) NS(-17.05) EW(-5132.27) TEMP(224.6)
#137 MD(11695.00) Inc(88.1) Azm(269.1) TVD(6834.93) VS(5222.25) NS(-18.14) EW(-5222.22) TEMP(226.4)
#138 MD(11785.00) Inc(88.8) Azm(269.1) TVD(6837.37) VS(5312.21) NS(-19.56) EW(-5312.18) TEMP(228.2)
#139 MD(11875.00) Inc(89.0) Azm(269.4) TVD(6839.10) VS(5402.19) NS(-20.74) EW(-5402.15) TEMP(228.2)
#140 MD(11965.00) Inc(88.8) Azm(268.7) TVD(6840.82) VS(5492.17) NS(-22.23) EW(-5492.12) TEMP(230.0)
#141 MD(12054.00) Inc(89.4) Azm(269.9) TVD(6842.22) VS(5581.15) NS(-23.31) EW(-5581.10) TEMP(230.0)
#142 MD(12144.00) Inc(89.8) Azm(269.0) TVD(6842.85) VS(5671.14) NS(-24.18) EW(-5671.10) TEMP(230.0)
#143 MD(12234.00) Inc(88.3) Azm(269.4) TVD(6844.34) VS(5761.12) NS(-25.43) EW(-5761.07) TEMP(230.0)
#144 MD(12324.00) Inc(88.1) Azm(269.1) TVD(6847.17) VS(5851.07) NS(-26.61) EW(-5851.02) TEMP(230.0)
#145 MD(12414.00) Inc(88.4) Azm(269.3) TVD(6849.92) VS(5941.03) NS(-27.87) EW(-5940.97) TEMP(228.2)
#146 MD(12504.00) Inc(89.3) Azm(271.5) TVD(6851.72) VS(6031.00) NS(-27.24) EW(-6030.94) TEMP(228.2)

