

Resolute E25-63-1HN noble energy MD 1" : 100'

Company: Noble Energy Inc

Well Name: Resolute E25-63-1HN

API: 05-123-38155

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 6/8/2014

End: 11387 ft 6/16/2014

Casing Depth Size

Surface: 58.4 9.625

Intermediate: 7263 7

Mud Type: Water Based

Density:

Viscosity:

Rm:

Rmf:

Rmc:

KB: 4692

GL: 4676

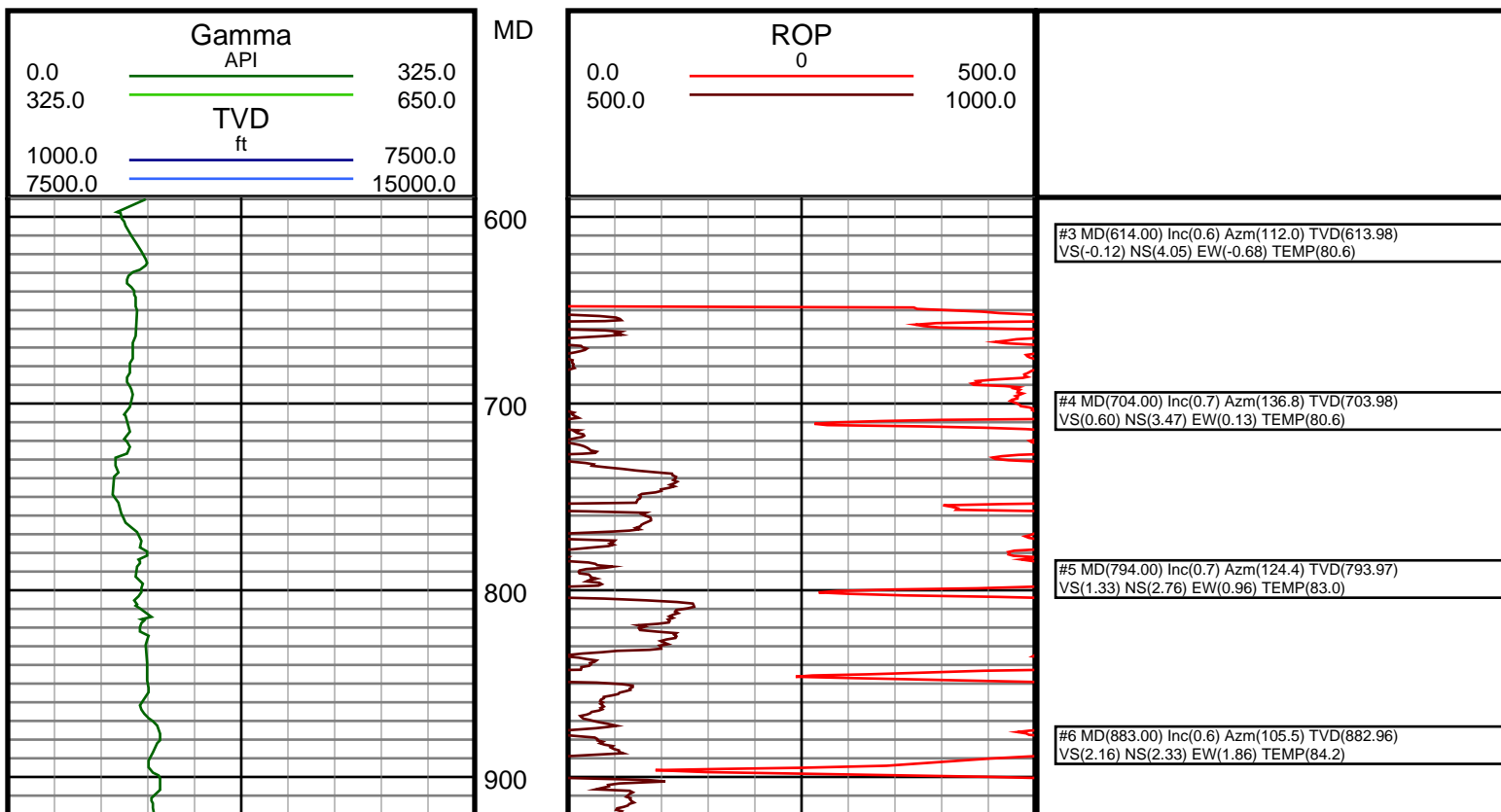
DF: 4692

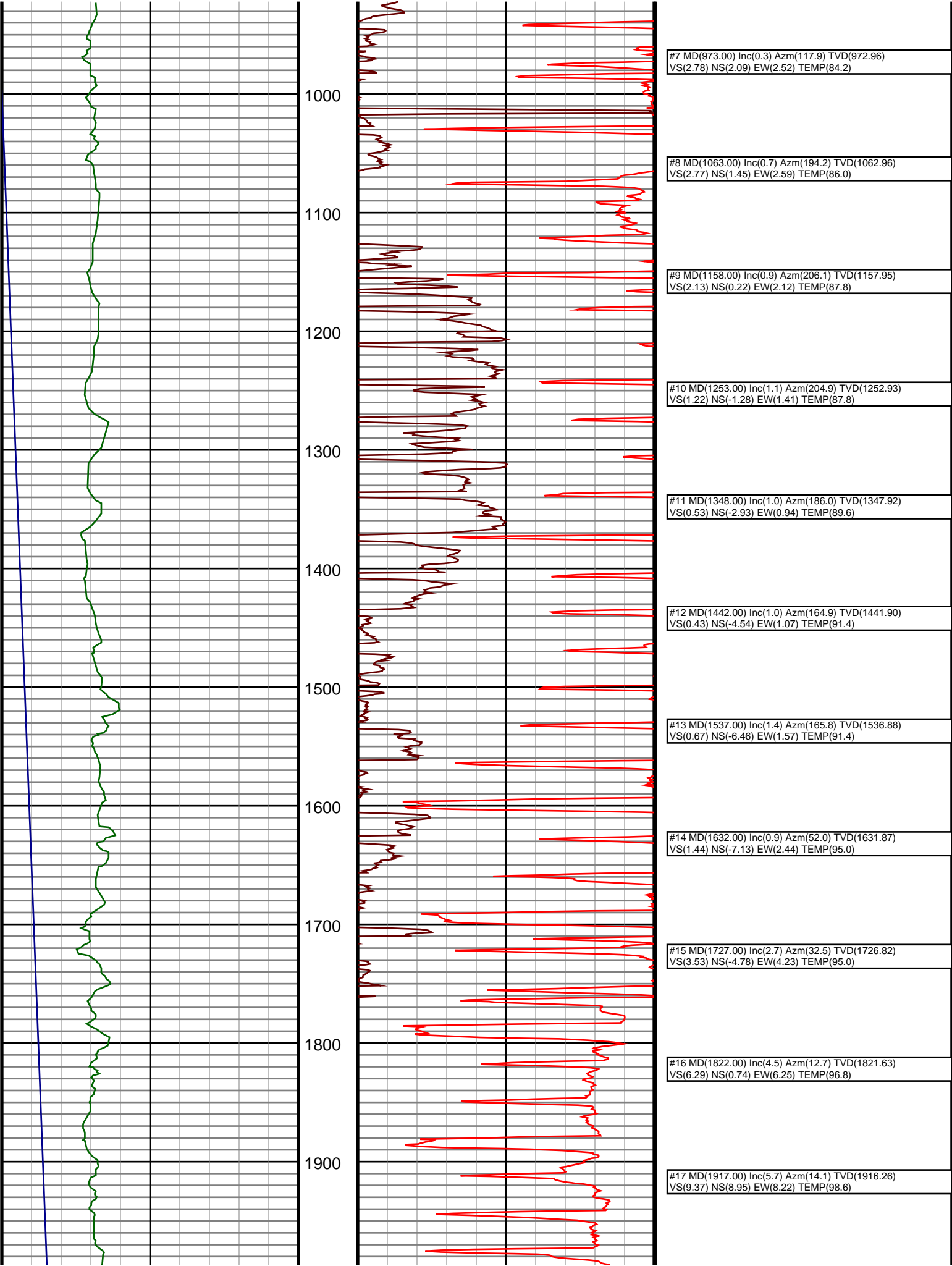
Elevations

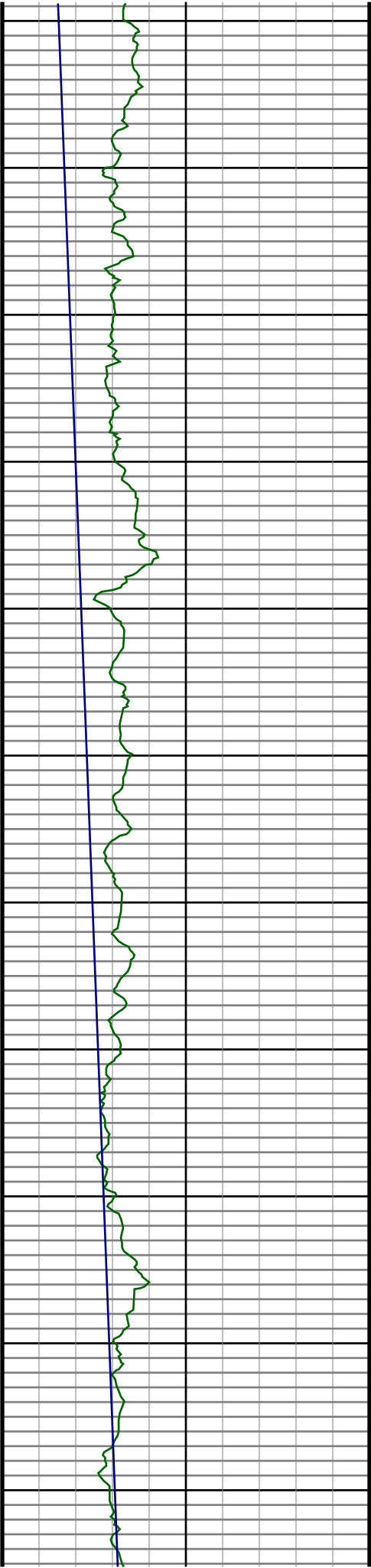
Run	Bit Size	Gamma	Survey	Start	End	Start	End
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1	8 3/4	58.33	53.33	59.4	4236	6/8/2014	6/9/2014
2	8 3/4	58.47	53.47	4236	7274	6/9/2014	6/11/2014
3	6 1/8	64.10	59.10	7274	11387	6/12/2014	6/16/2014
4							
5							
6							
7							
8							
9							
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.







2000

2100

2200

2300

2400

2500

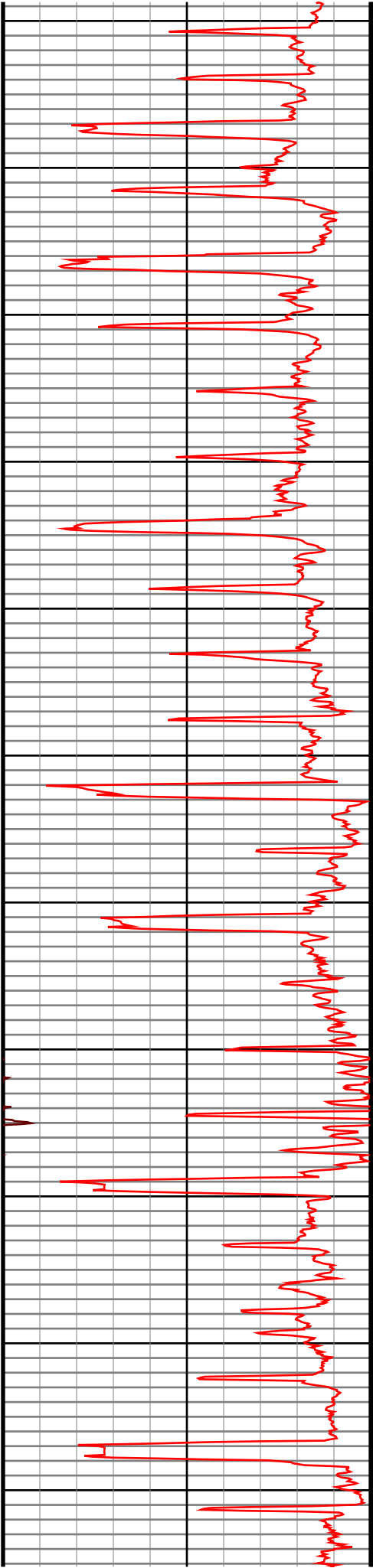
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2700

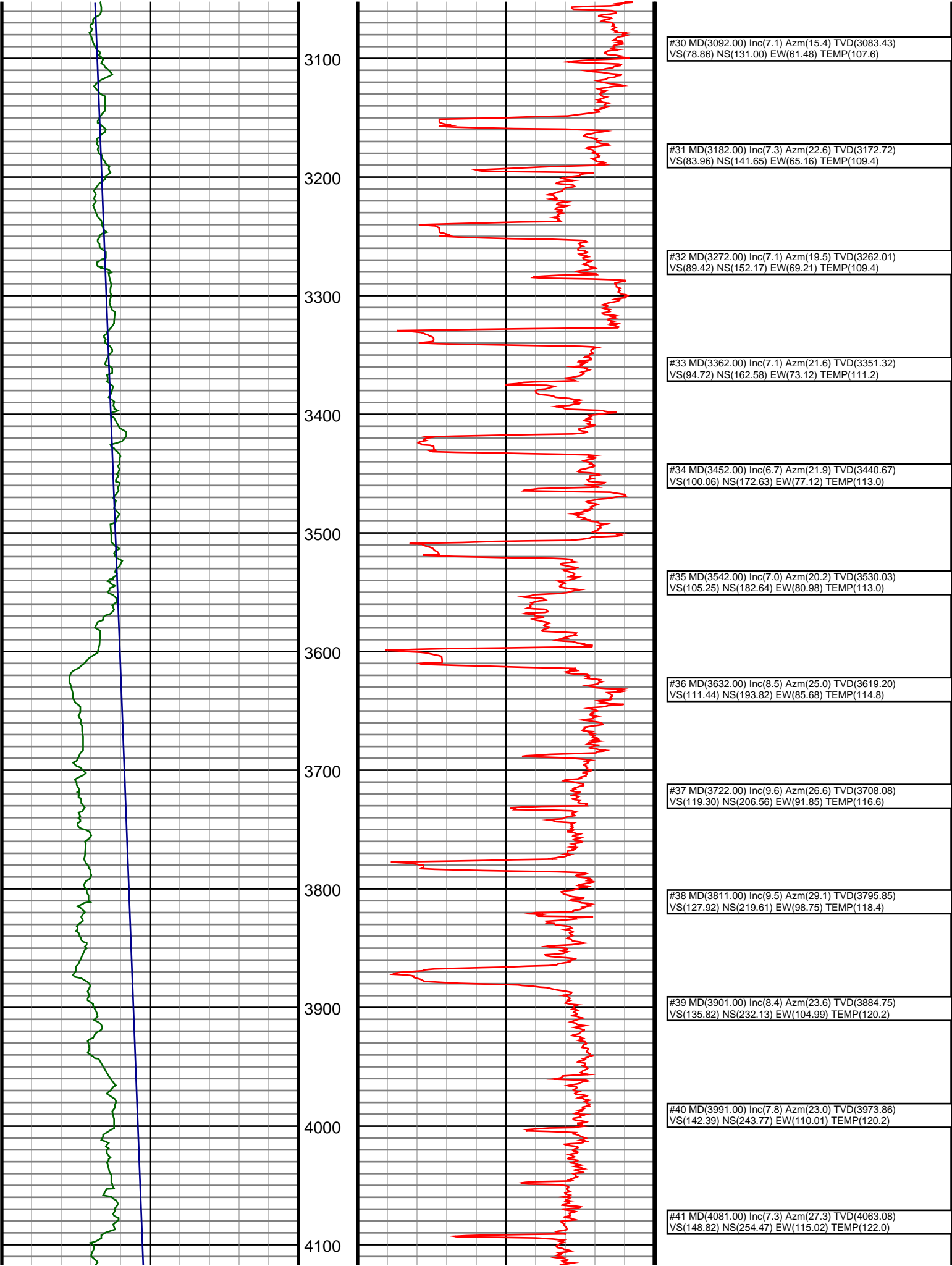
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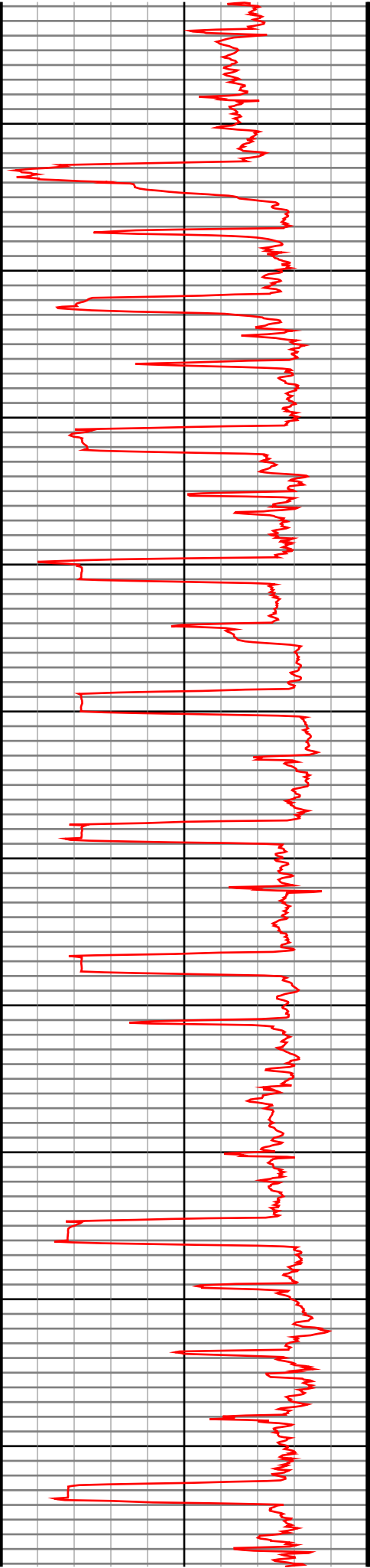
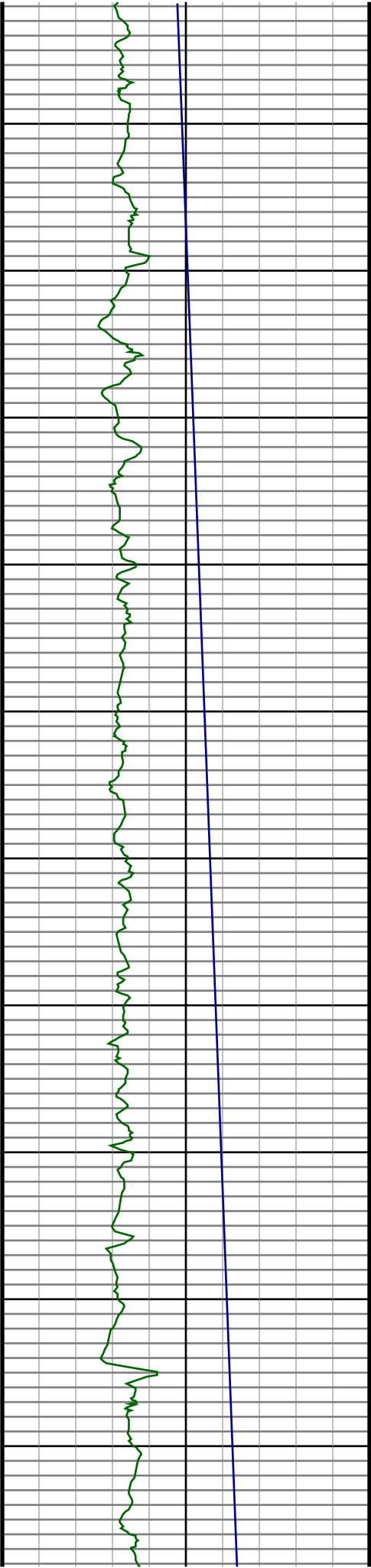
2900

3000



#18 MD(2011.00) Inc(5.1) Azm(13.2) TVD(2009.84) VS(12.62) NS(17.55) EW(10.31) TEMP(98.6)
#19 MD(2104.00) Inc(5.9) Azm(15.2) TVD(2102.41) VS(15.98) NS(26.18) EW(12.51) TEMP(96.8)
#20 MD(2194.00) Inc(6.8) Azm(21.4) TVD(2191.86) VS(20.40) NS(35.61) EW(15.67) TEMP(98.6)
#21 MD(2284.00) Inc(6.1) Azm(19.0) TVD(2281.29) VS(25.17) NS(45.09) EW(19.17) TEMP(98.6)
#22 MD(2374.00) Inc(5.6) Azm(29.6) TVD(2370.82) VS(30.00) NS(53.43) EW(22.89) TEMP(100.4)
#23 MD(2464.00) Inc(5.3) Azm(32.1) TVD(2460.42) VS(35.35) NS(60.77) EW(27.27) TEMP(100.4)
#24 MD(2554.00) Inc(6.5) Azm(37.4) TVD(2549.94) VS(41.64) NS(68.34) EW(32.57) TEMP(100.4)
#25 MD(2643.00) Inc(7.2) Azm(30.9) TVD(2638.30) VS(48.71) NS(77.13) EW(38.50) TEMP(102.2)
#26 MD(2733.00) Inc(7.2) Azm(31.3) TVD(2727.59) VS(55.80) NS(86.79) EW(44.32) TEMP(102.2)
#27 MD(2823.00) Inc(7.9) Azm(22.0) TVD(2816.82) VS(62.45) NS(97.34) EW(49.57) TEMP(104.0)
#28 MD(2913.00) Inc(7.1) Azm(19.4) TVD(2906.05) VS(68.08) NS(108.32) EW(53.74) TEMP(105.8)
#29 MD(3003.00) Inc(8.3) Azm(20.1) TVD(2995.23) VS(73.68) NS(119.67) EW(57.82) TEMP(105.8)





#42 MD(4171.00) Inc(6.6) Azm(27.1) TVD(4152.41)
VS(155.08) NS(264.16) EW(120.00) TEMP(123.8)

#43 MD(4261.00) Inc(6.0) Azm(21.9) TVD(4241.87)
VS(160.38) NS(273.13) EW(124.11) TEMP(114.0)

#44 MD(4351.00) Inc(5.9) Azm(14.1) TVD(4331.39)
VS(164.45) NS(281.98) EW(126.99) TEMP(114.8)

#45 MD(4440.00) Inc(6.9) Azm(12.4) TVD(4419.83)
VS(168.01) NS(291.64) EW(129.25) TEMP(114.8)

#46 MD(4530.00) Inc(7.6) Azm(13.4) TVD(4509.11)
VS(172.05) NS(302.71) EW(131.79) TEMP(116.6)

#47 MD(4620.00) Inc(8.4) Azm(17.5) TVD(4598.24)
VS(177.03) NS(314.77) EW(135.15) TEMP(118.4)

#48 MD(4710.00) Inc(8.7) Azm(19.8) TVD(4687.24)
VS(183.00) NS(327.44) EW(139.43) TEMP(122.0)

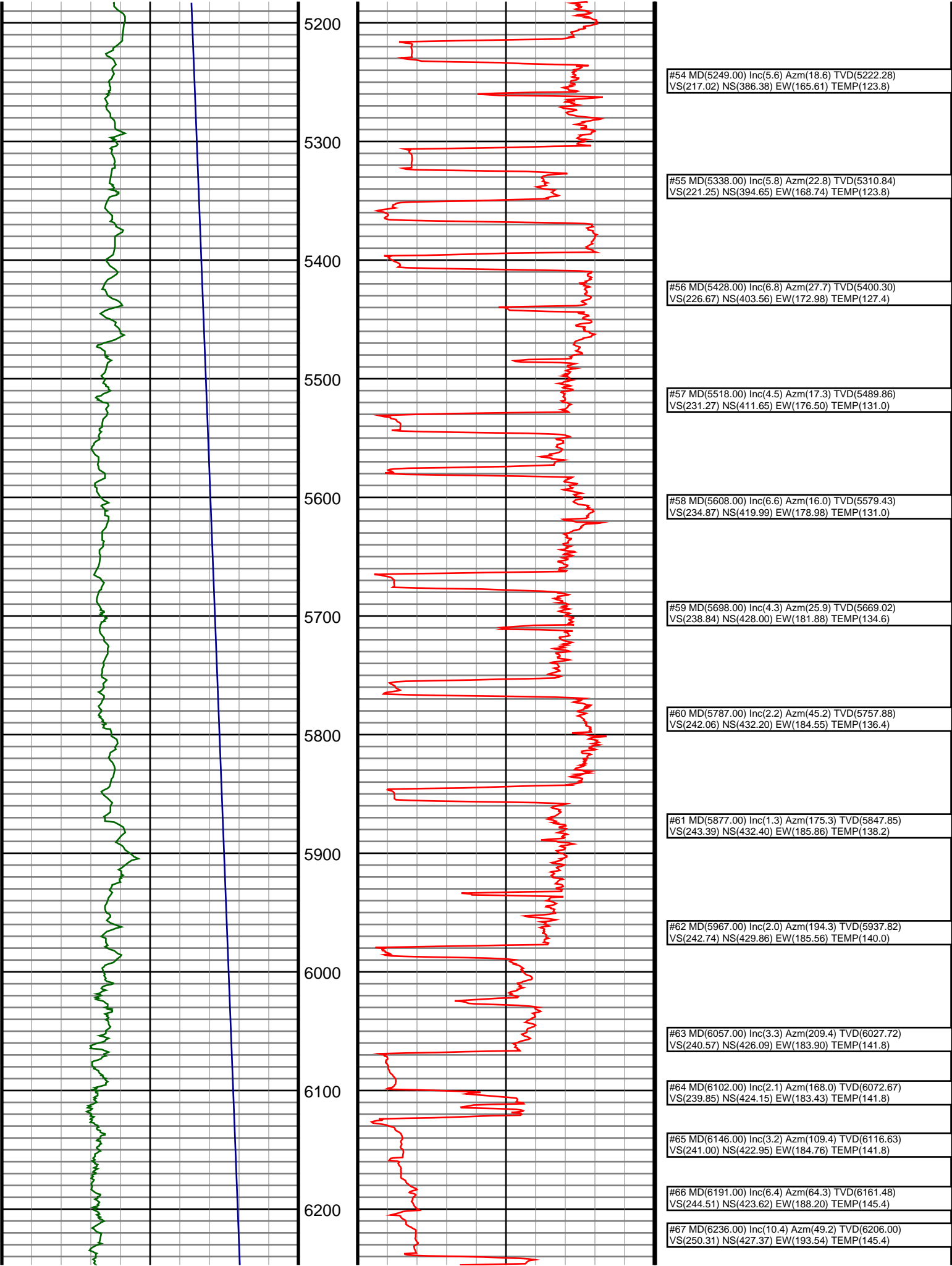
#49 MD(4799.00) Inc(8.0) Azm(29.4) TVD(4775.30)
VS(189.88) NS(339.17) EW(144.75) TEMP(123.8)

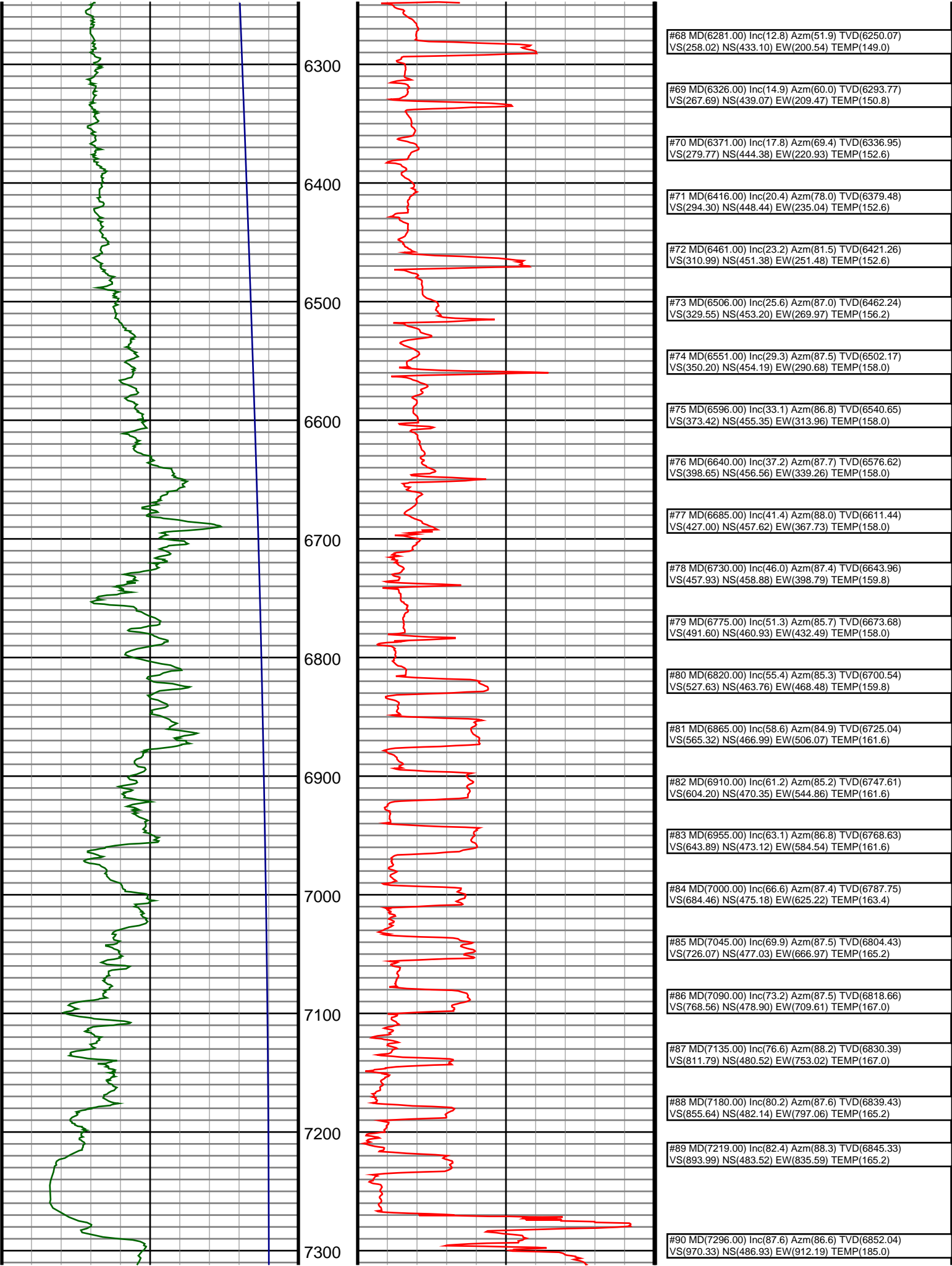
#50 MD(4889.00) Inc(6.2) Azm(27.5) TVD(4864.60)
VS(196.49) NS(348.94) EW(150.07) TEMP(125.6)

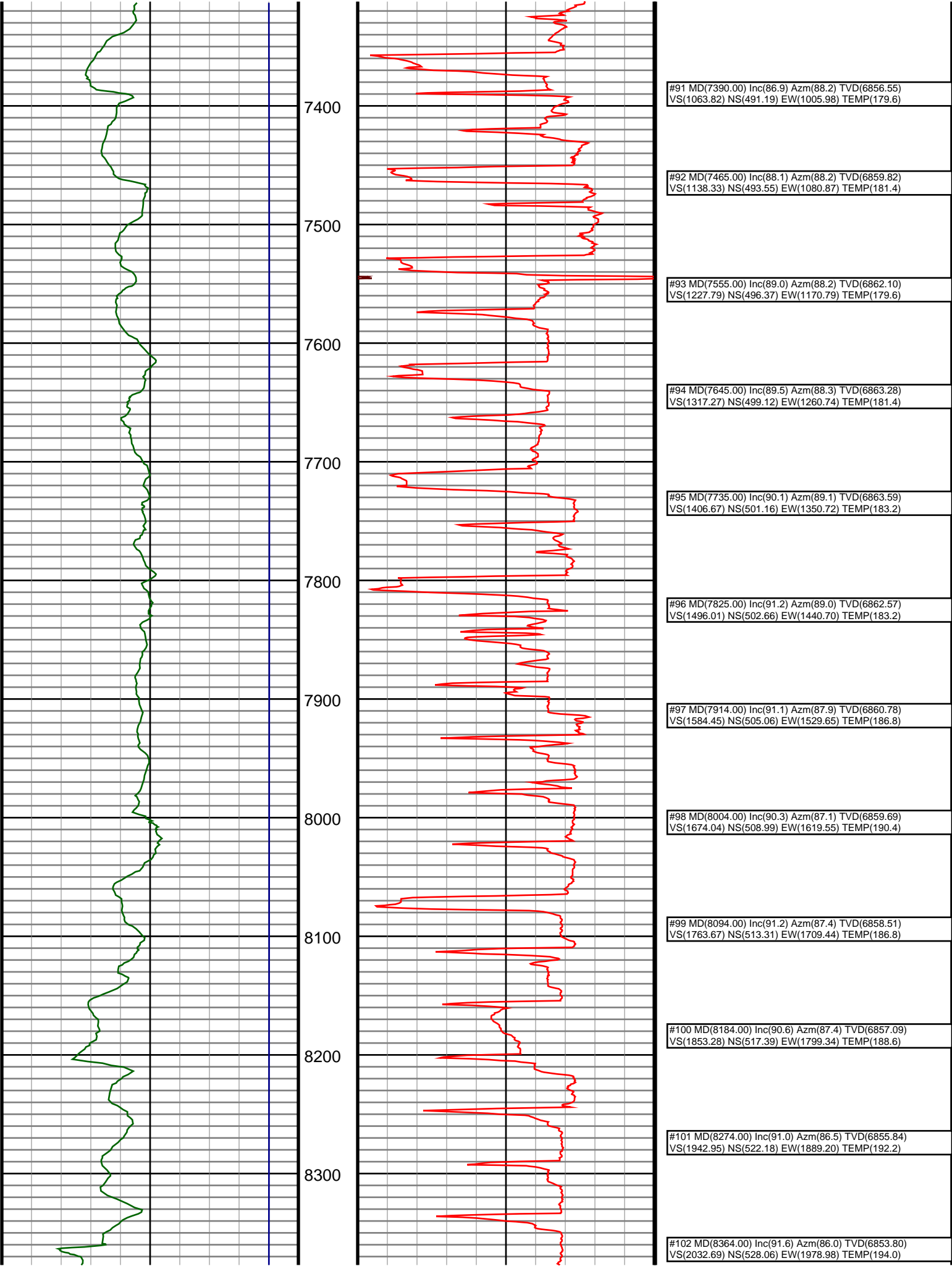
#51 MD(4979.00) Inc(7.8) Azm(24.9) TVD(4953.93)
VS(202.61) NS(358.79) EW(154.89) TEMP(123.8)

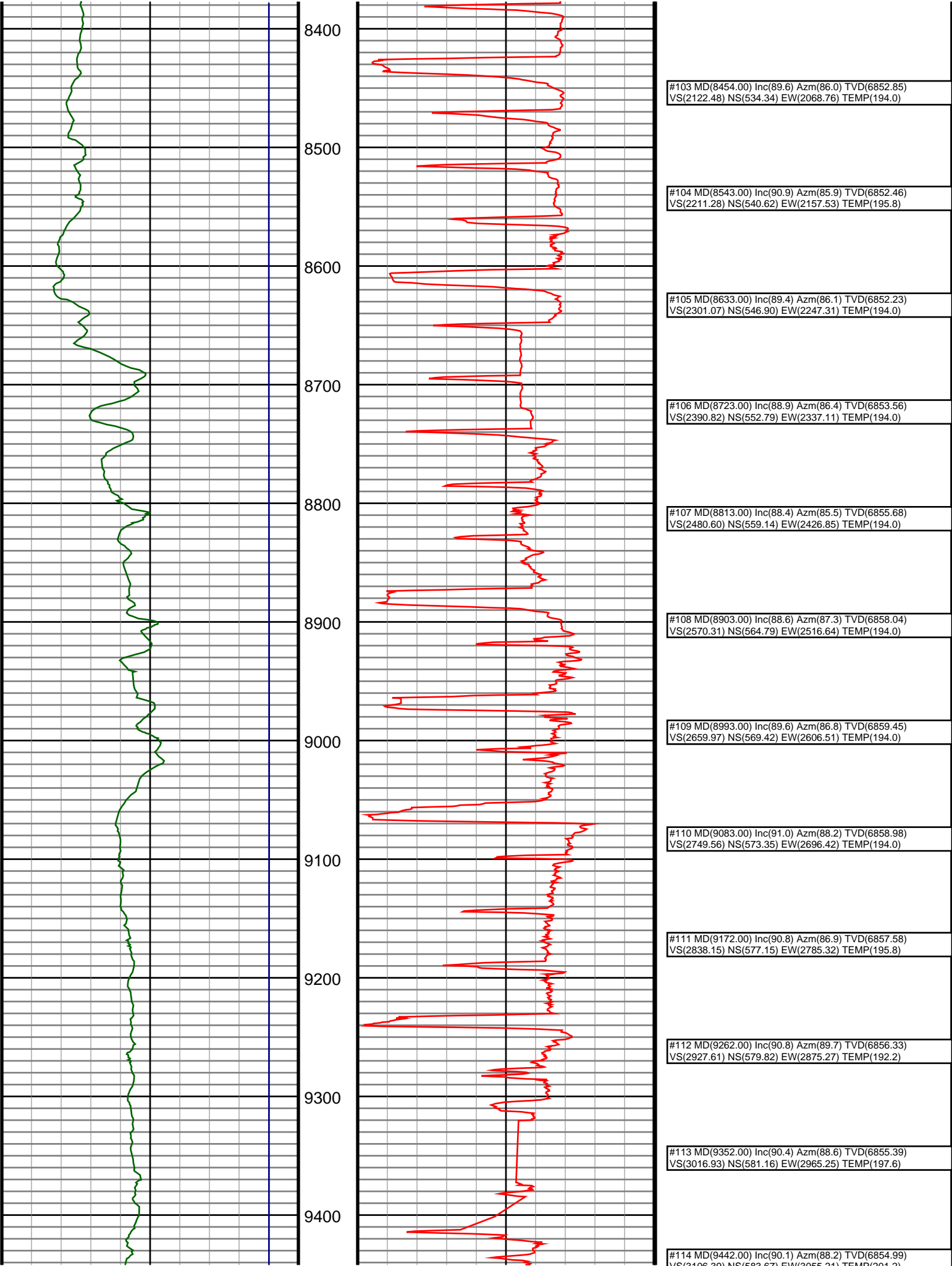
#52 MD(5069.00) Inc(6.3) Azm(21.4) TVD(5043.25)
VS(208.33) NS(368.93) EW(159.26) TEMP(123.8)

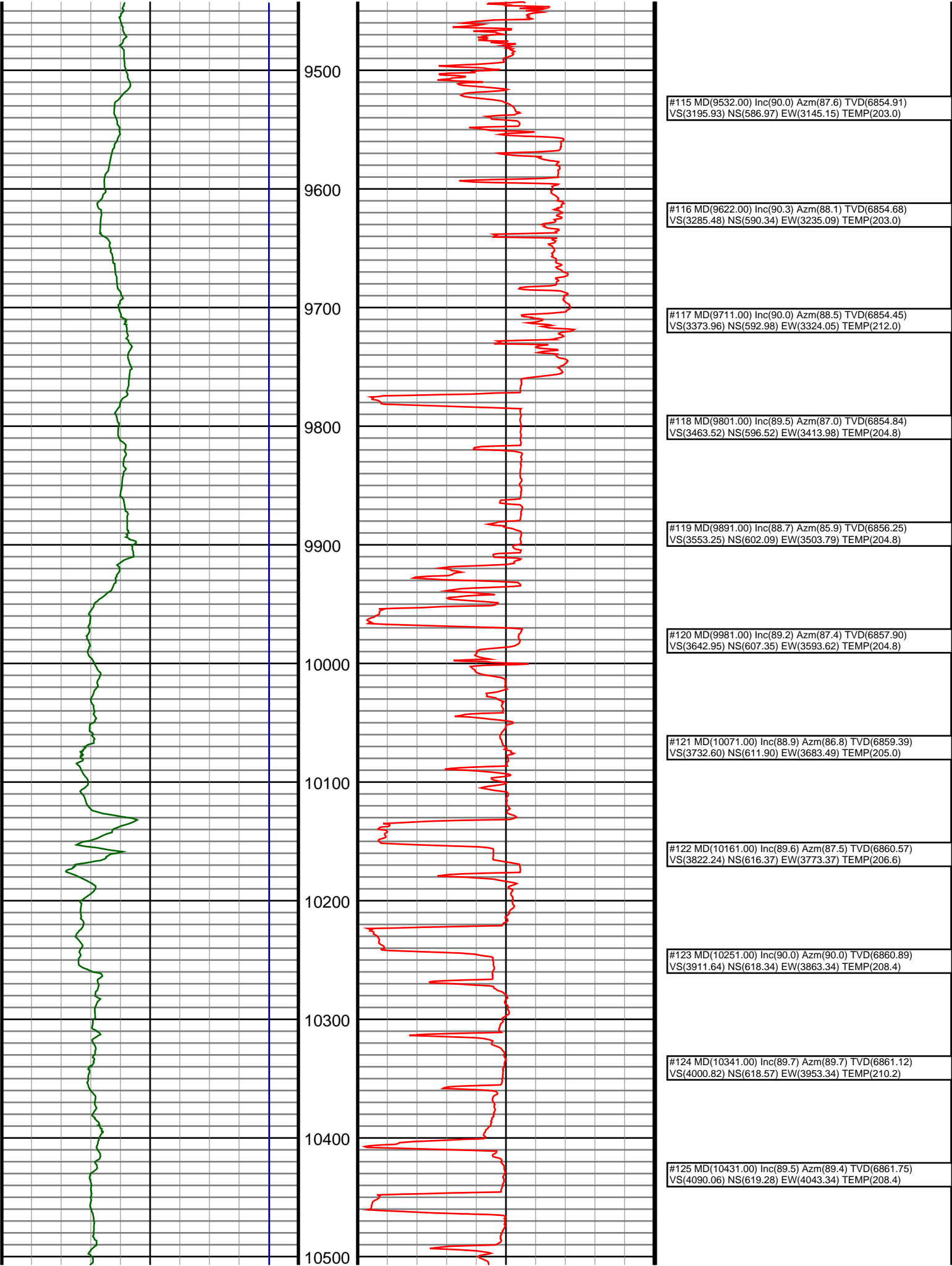
#53 MD(5159.00) Inc(5.9) Azm(19.9) TVD(5132.74)
VS(212.91) NS(377.87) EW(162.63) TEMP(122.0)

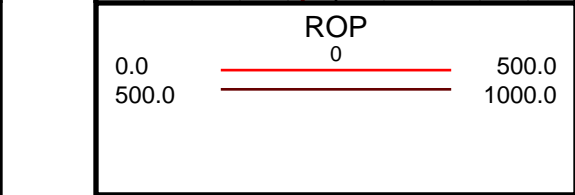
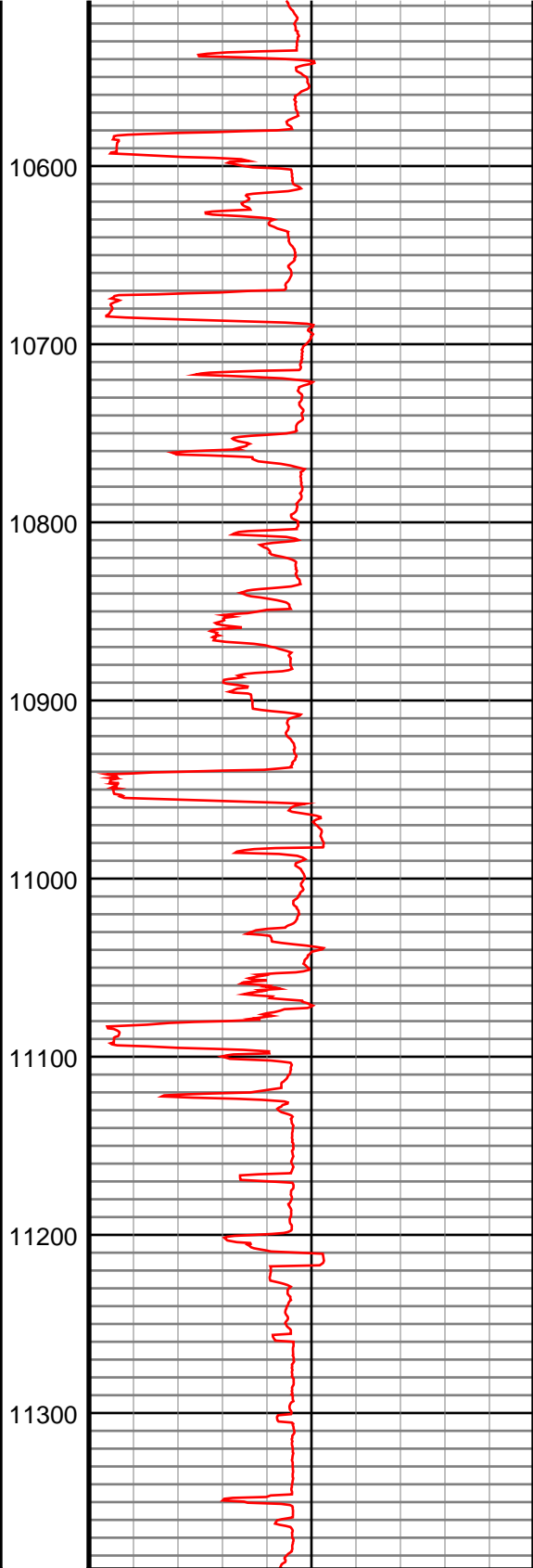
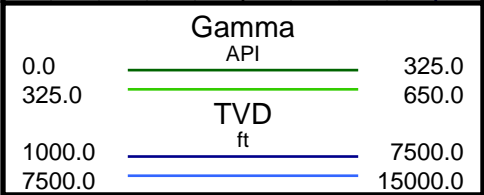
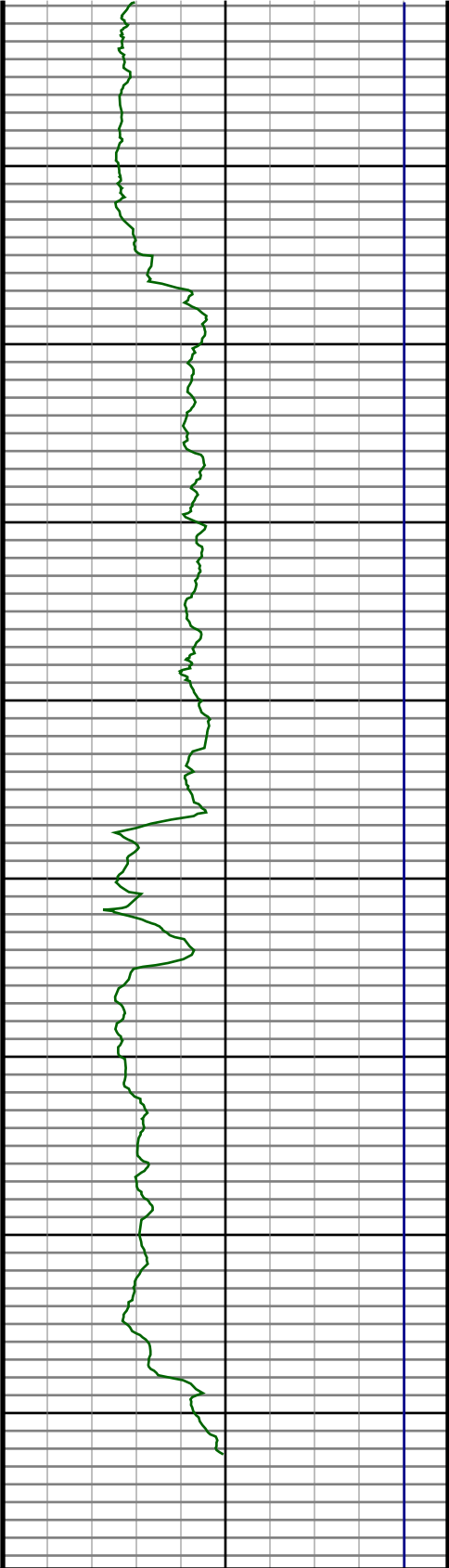












#126 MD(10521.00) Inc(90.5) Azm(87.8) TVD(6861.75) VS(4179.48) NS(621.48) EW(4133.31) TEMP(212.0)
#127 MD(10611.00) Inc(90.5) Azm(86.7) TVD(6860.96) VS(4269.11) NS(625.80) EW(4223.20) TEMP(213.8)
#128 MD(10701.00) Inc(90.8) Azm(84.6) TVD(6859.94) VS(4358.93) NS(632.62) EW(4312.93) TEMP(213.8)
#129 MD(10790.00) Inc(90.9) Azm(85.9) TVD(6858.62) VS(4447.79) NS(639.99) EW(4401.61) TEMP(215.0)
#130 MD(10880.00) Inc(90.2) Azm(87.2) TVD(6857.76) VS(4537.51) NS(645.41) EW(4491.44) TEMP(219.2)
#131 MD(10970.00) Inc(90.1) Azm(84.6) TVD(6857.52) VS(4627.31) NS(651.84) EW(4581.20) TEMP(219.2)
#132 MD(11060.00) Inc(89.5) Azm(84.6) TVD(6857.84) VS(4717.22) NS(660.31) EW(4670.80) TEMP(219.2)
#133 MD(11150.00) Inc(90.6) Azm(83.3) TVD(6857.76) VS(4807.17) NS(669.80) EW(4760.30) TEMP(222.8)
#134 MD(11240.00) Inc(89.5) Azm(82.9) TVD(6857.68) VS(4897.16) NS(680.61) EW(4849.64) TEMP(224.6)
#135 MD(11327.00) Inc(88.5) Azm(82.1) TVD(6859.20) VS(4984.14) NS(691.96) EW(4935.88) TEMP(224.6)