



WELLS RANCH AE30-64-1HNC 1":100' MD

Company: NOBLE ENERGY

Well Name: WELLS RANCH AE30-64-1HNC

API: 05-123-38691

Rig Id: H&P 277

State: CO

County/Parish: WELD COUNTY

Country: USA

Survey Company: DRILTECH

Job number: 2014-253-IDDT-CO

MARK LARUE MWD OPERATOR

RAYMOND HORTON MWD OPERATOR

ERIK DAVIES MWD OPERATOR

Log measurements:

Depth measured from: 646

Maximum temperature: 221

Depth Date
Start: 646 ft 6/18/14
End: 12063 ft 6/24/2014

Casing Depth Size

Surface: 636 9 5/8

Intermediate: 6927 7

Mud Type: WATER BASE

Density: 9.3

Viscosity: 38

Rm: Rmf: Rmc:

Elevations

KB: 4753

GL: 4753

DF:

Run	Bit Size	Offsets	Gamma	Survey	Start	End	Start	End	Dates
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1	8 3/4	37.00	53.00	646	4099	6/19/14	6/19/14	6/19/14
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2	8 3/4	46.00	63.00	4099	6927	6/19/2014	6/21/14	6/21/14
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3	6 1/8	52.00	69.00	6927	12063	6/22/14	6/24/14	6/24/14
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4								
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5								
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6								
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7								
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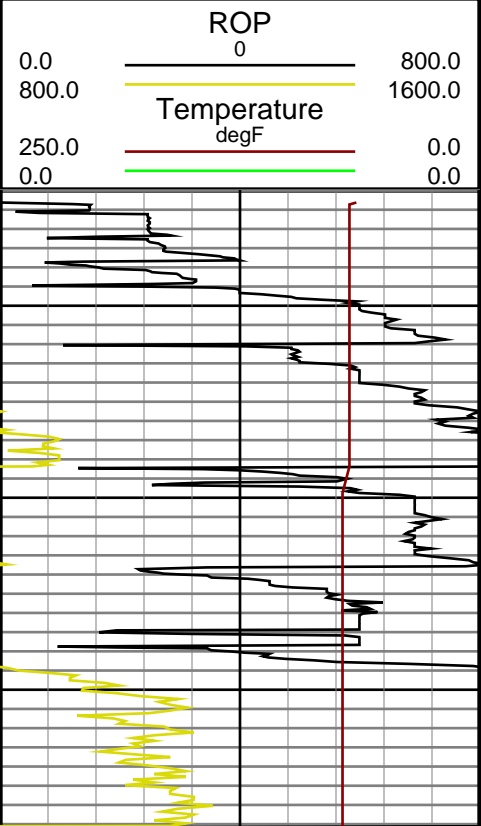
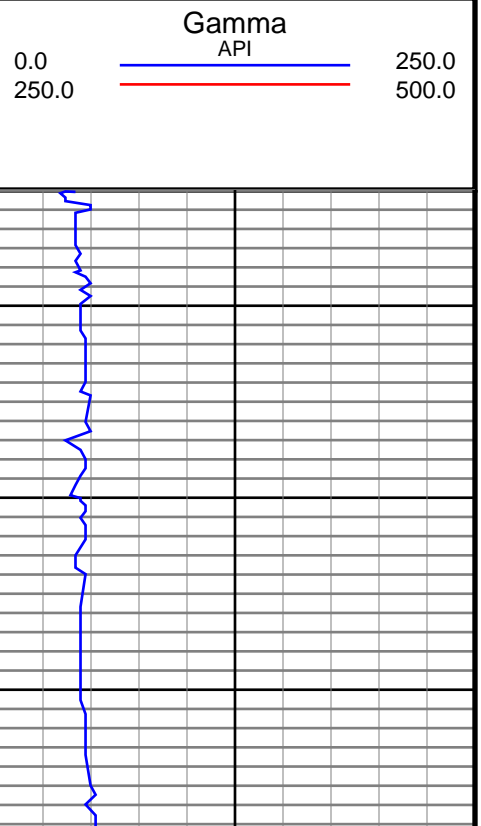
8								
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9								
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10								
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DRILTECH uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

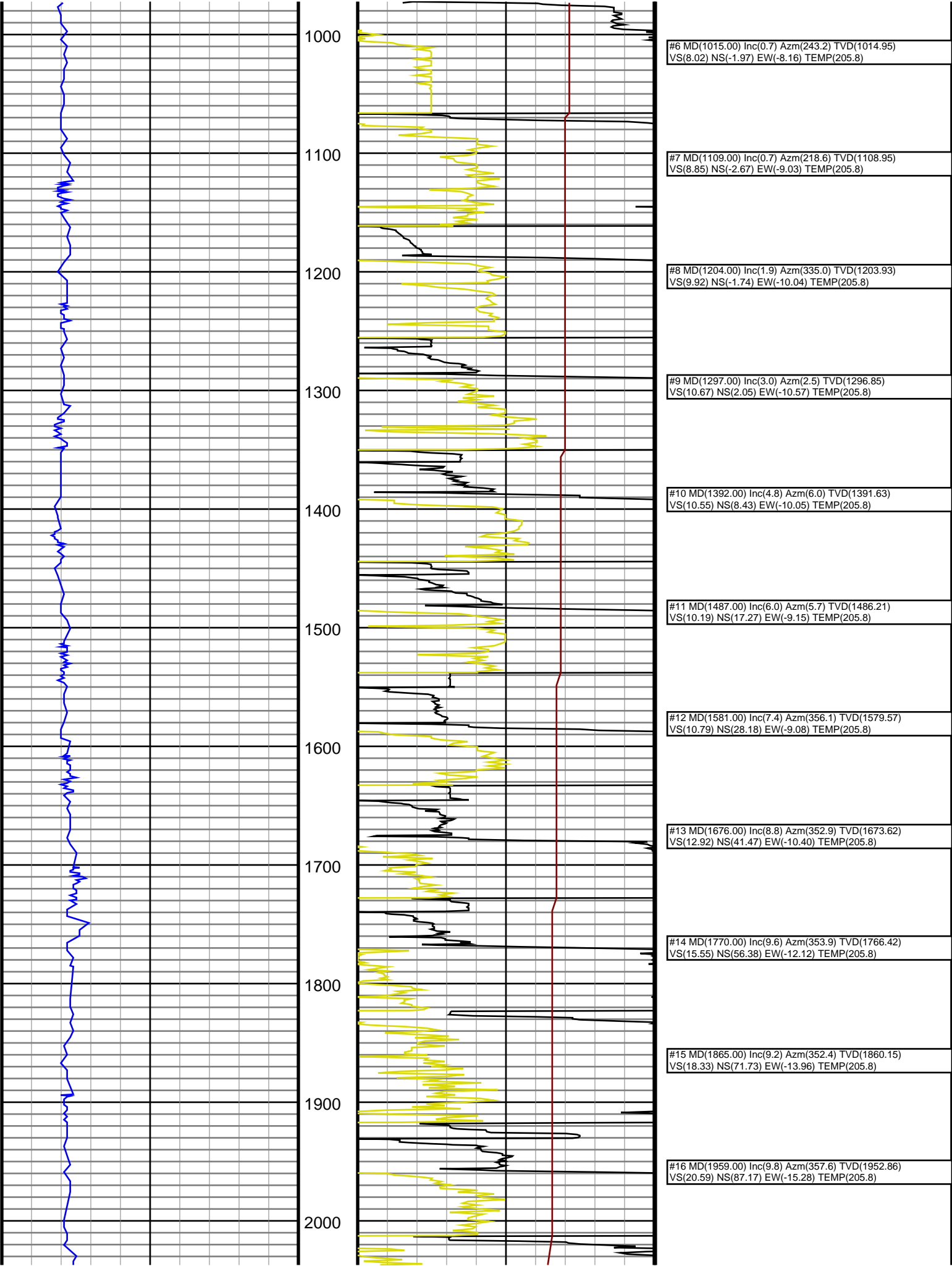
MD

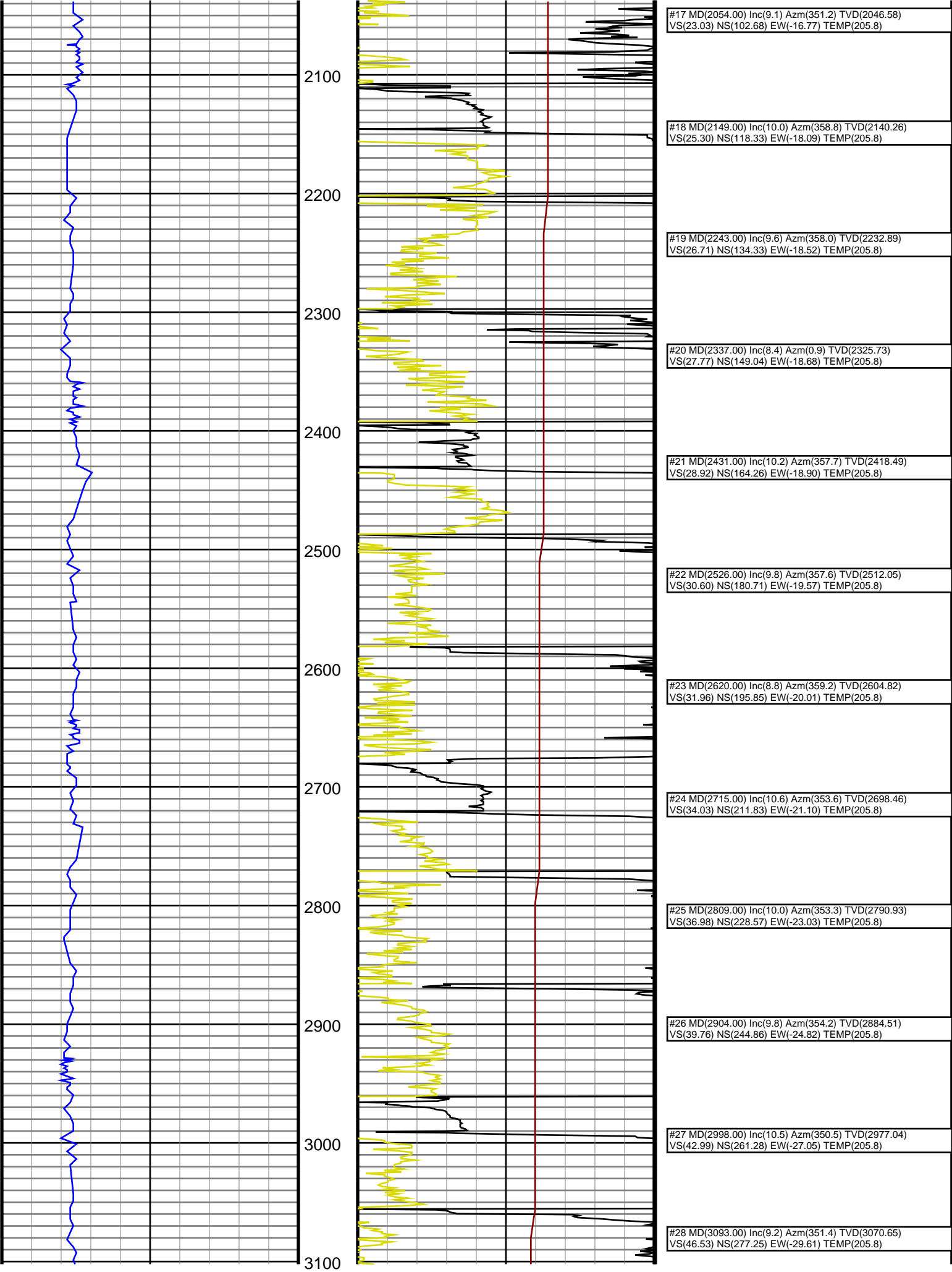


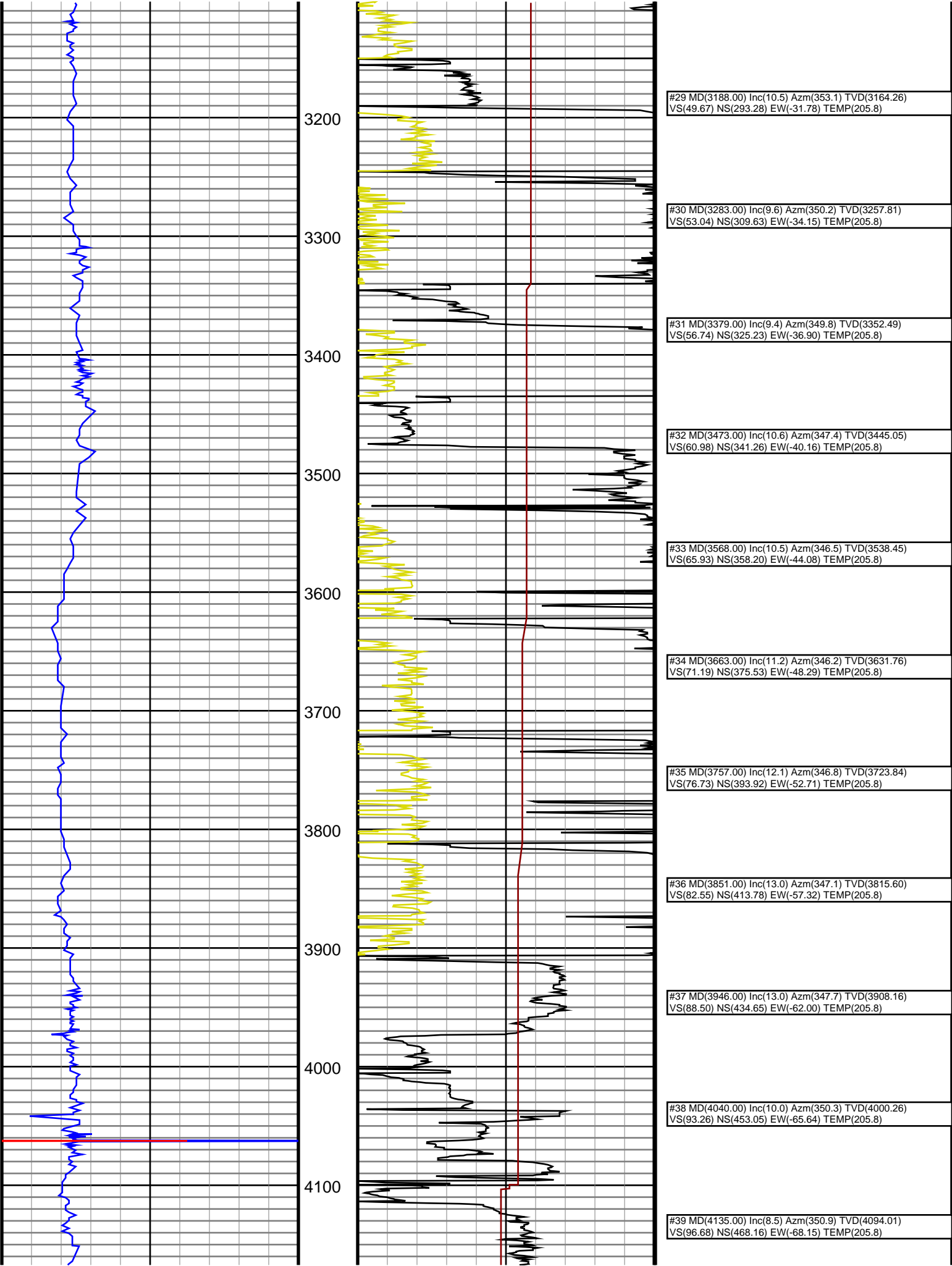
#3 MD(734.00) Inc(0.7) Azm(237.3) TVD(733.98)
VS(5.13) NS(-0.05) EW(-5.14) TEMP(205.8)

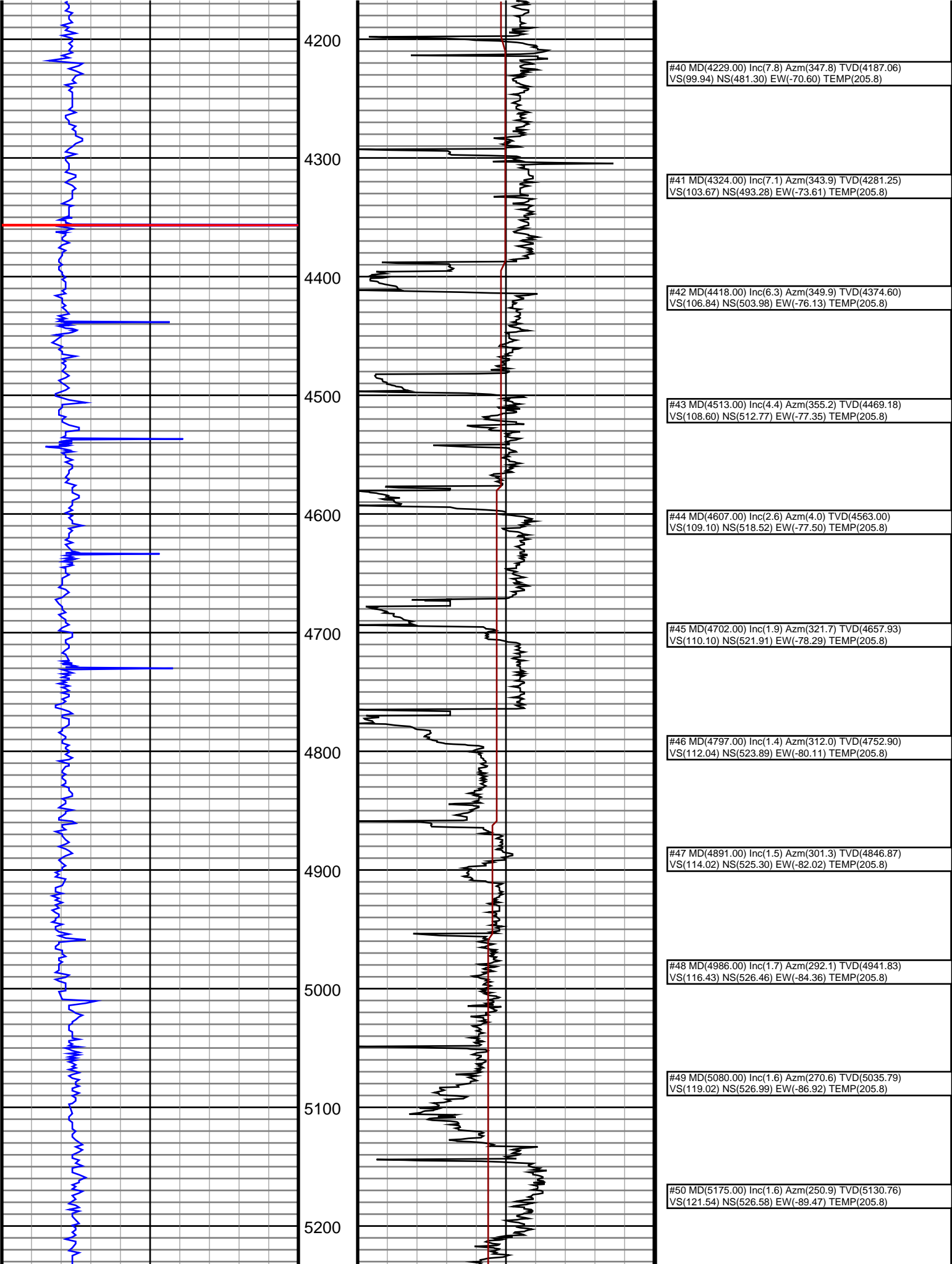
#4 MD(828.00) Inc(0.8) Azm(239.0) TVD(827.97)
VS(6.13) NS(-0.70) EW(-6.18) TEMP(205.8)

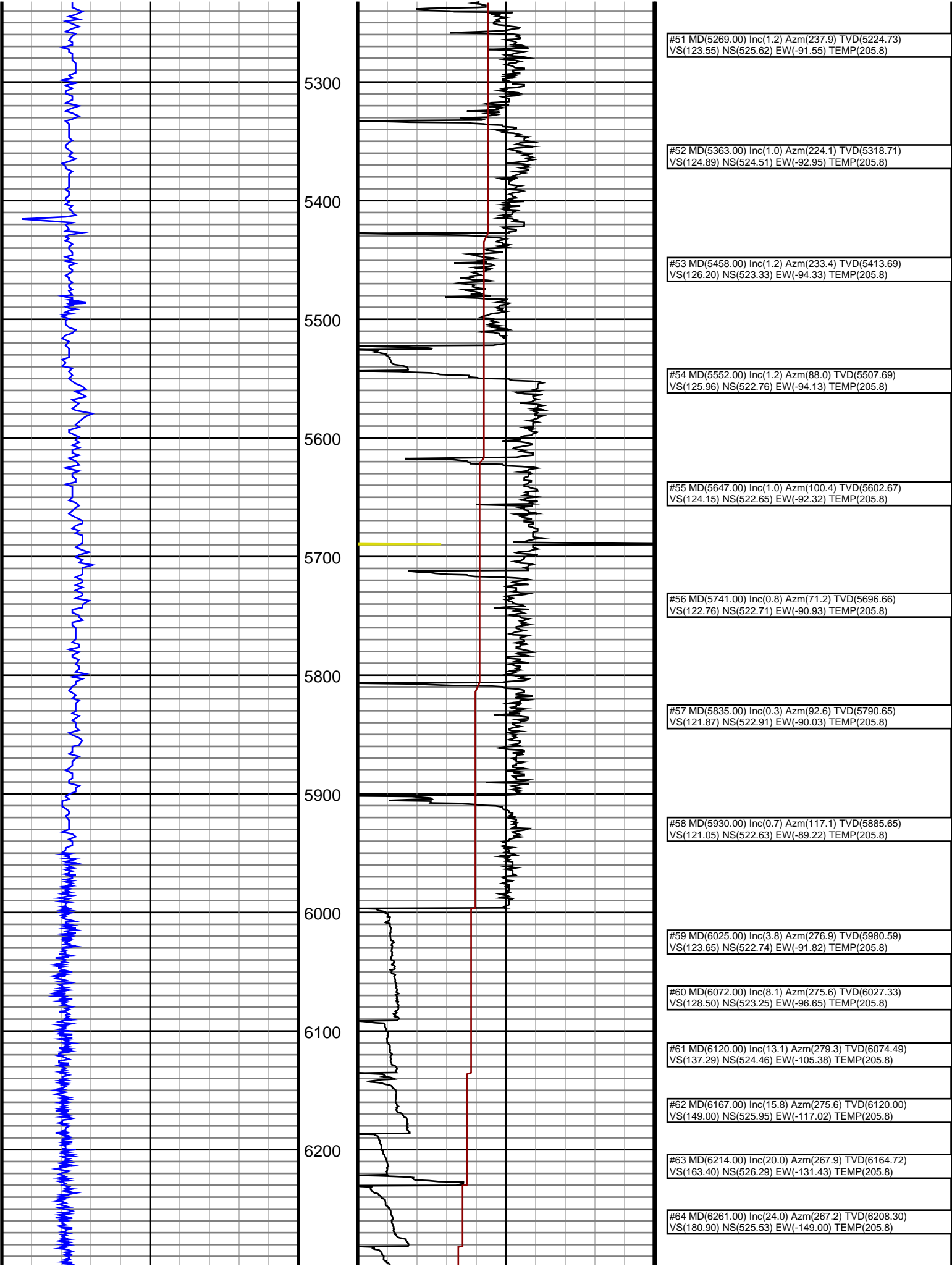
#5 MD(921.00) Inc(0.7) Azm(233.3) TVD(920.96)
VS(7.09) NS(-1.37) EW(-7.19) TEMP(205.8)

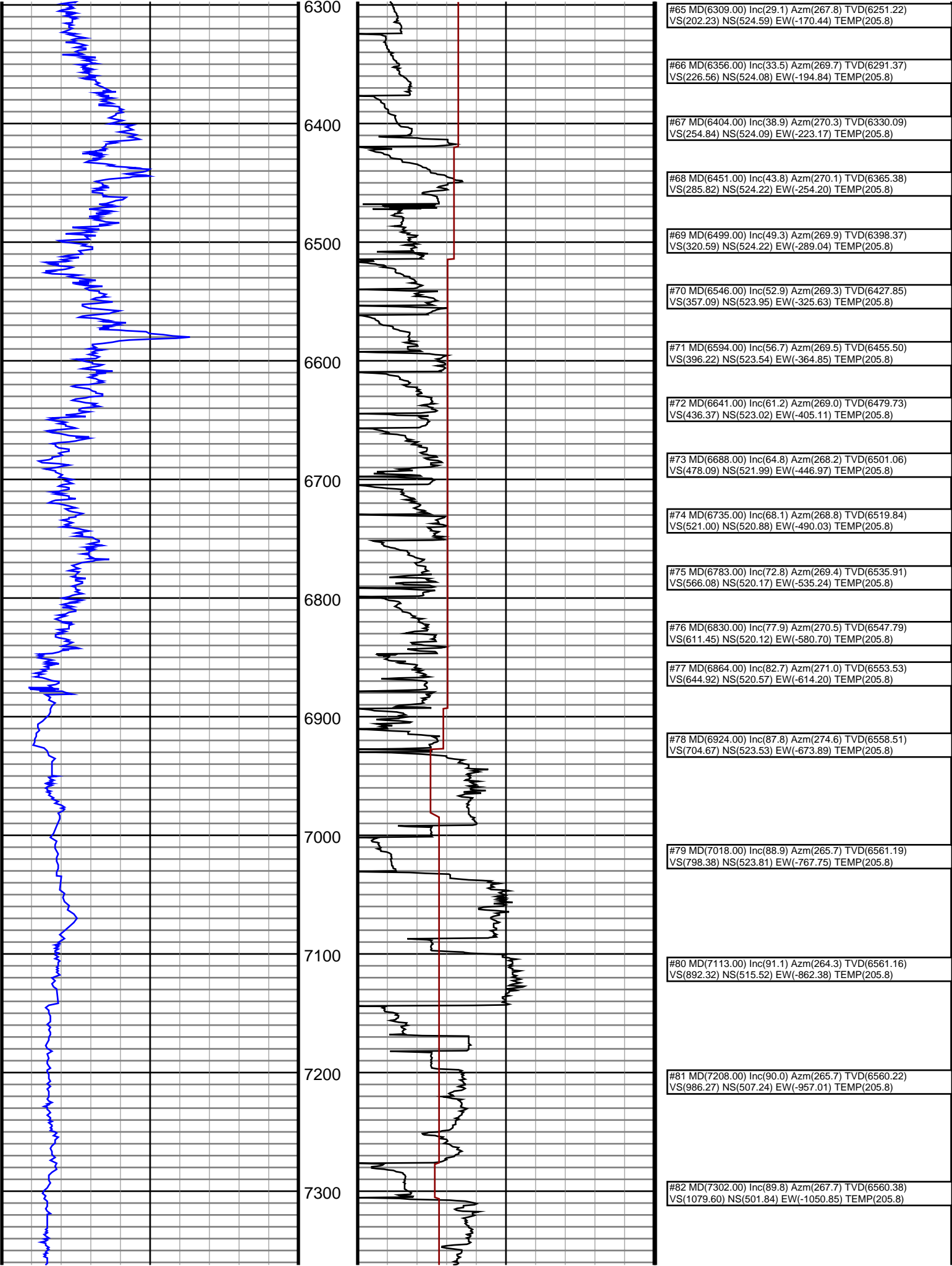


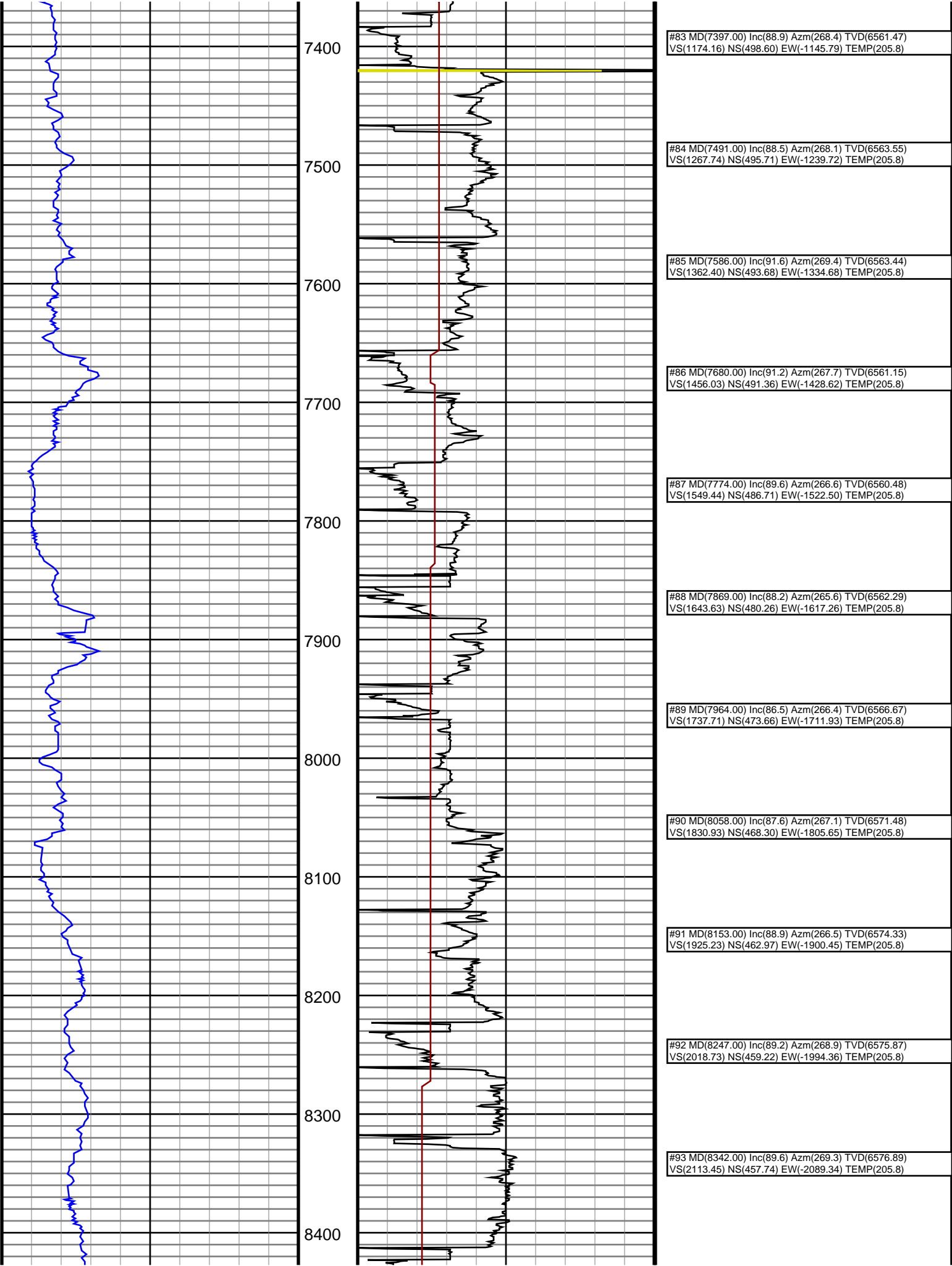


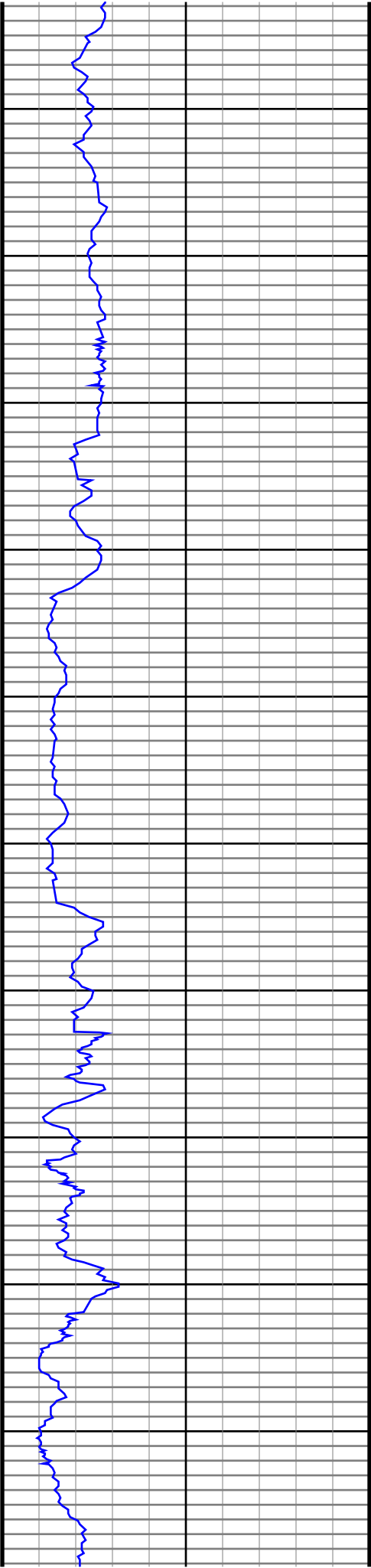












8500

8600

8700

8800

8900

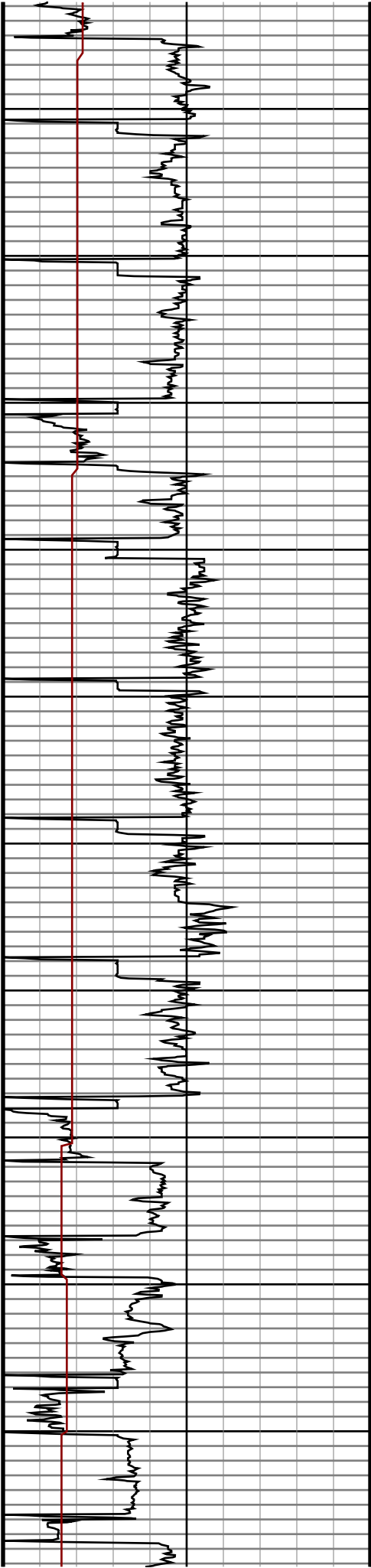
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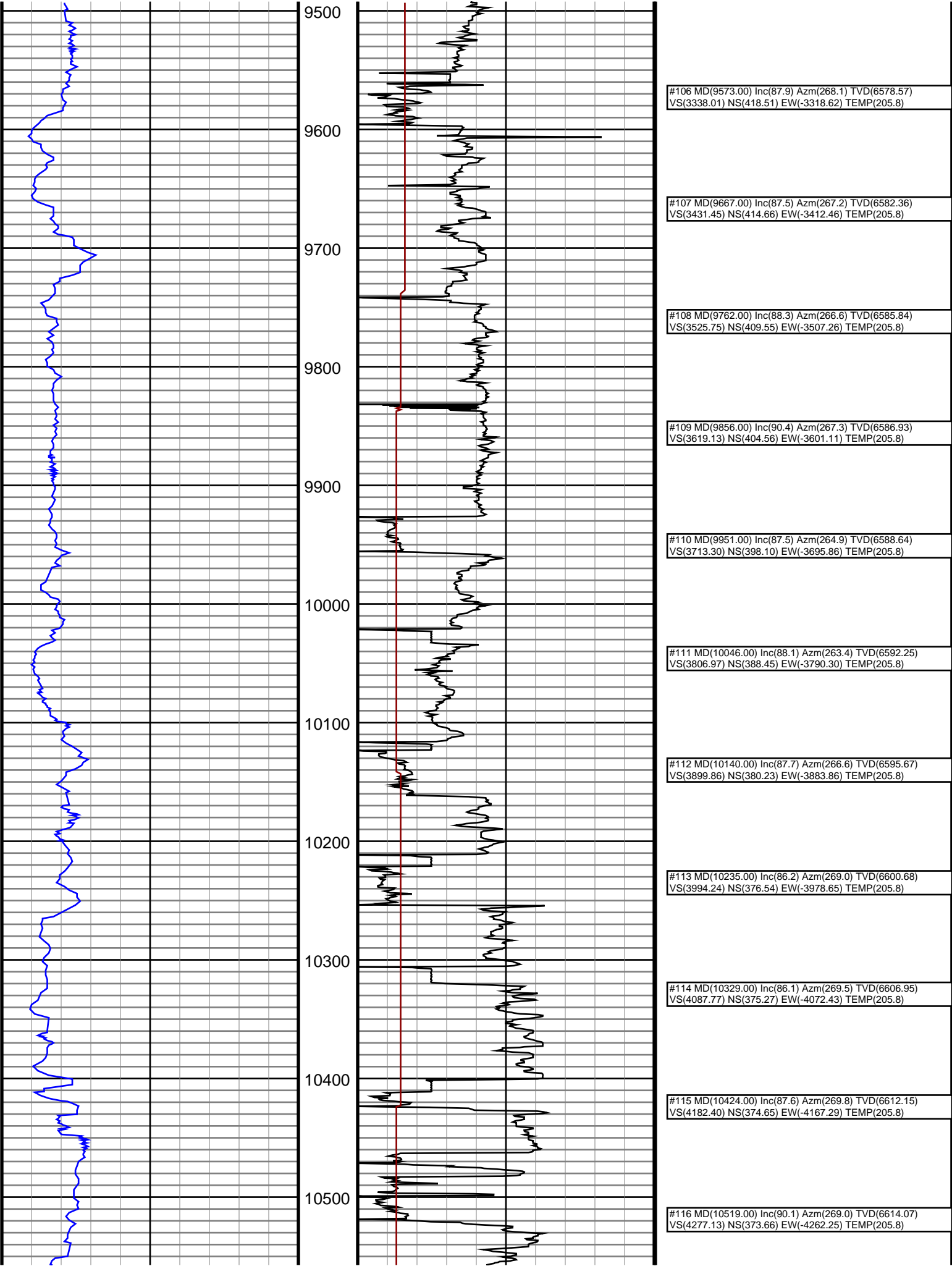
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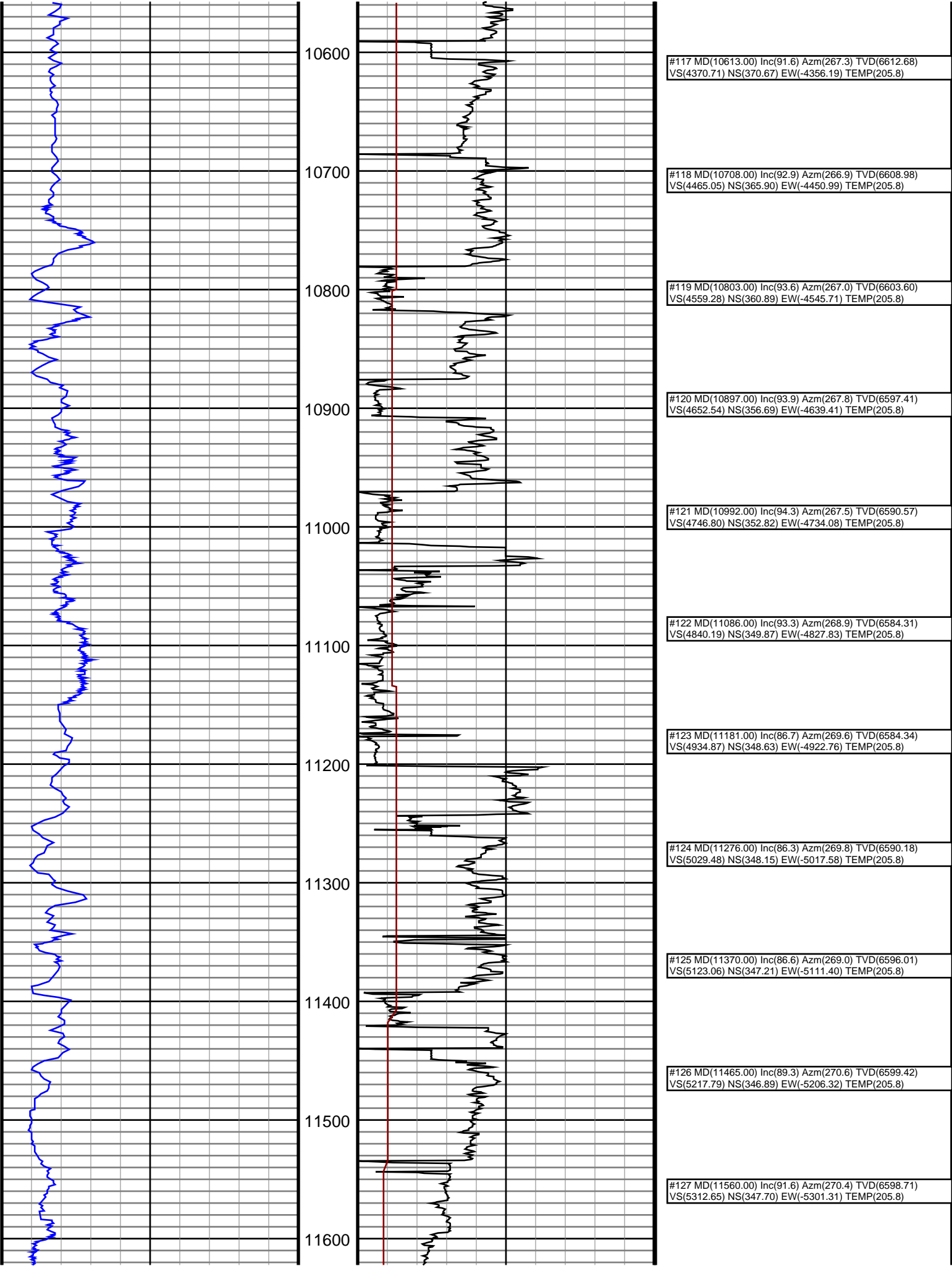
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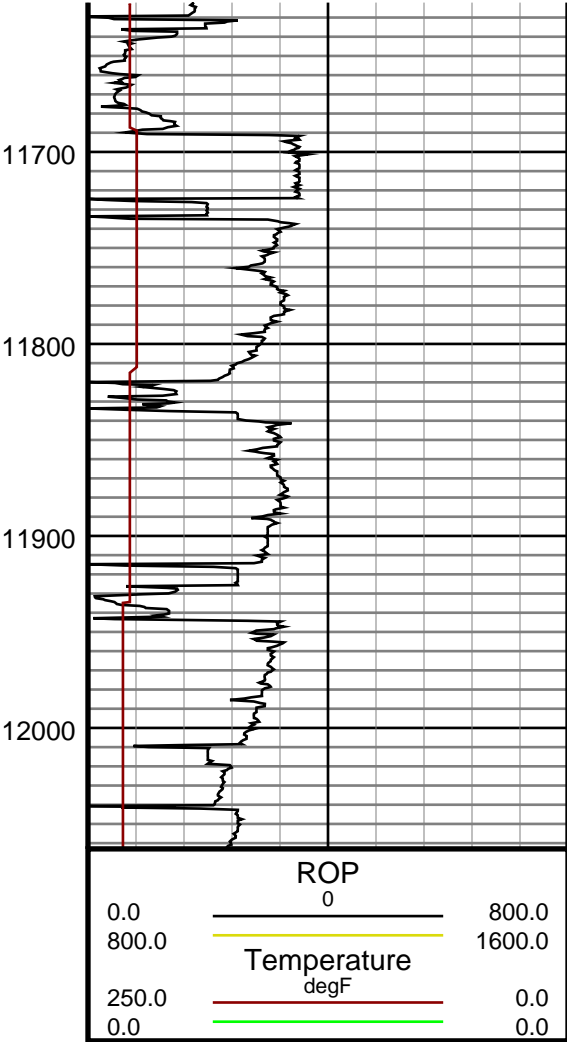
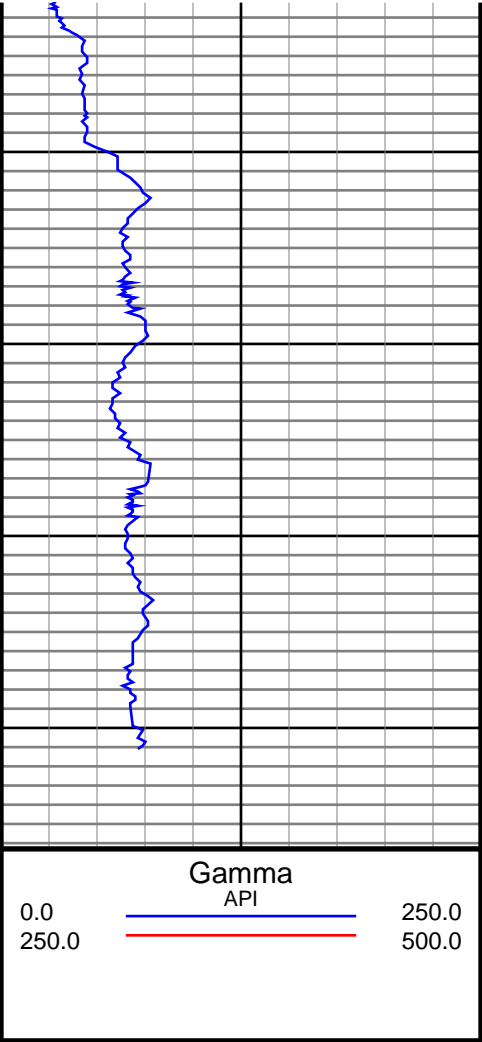
9400



#94 MD(8437.00) Inc(88.3) Azm(268.5) TVD(6578.62) VS(2208.12) NS(455.93) EW(-2184.31) TEMP(205.8)
#95 MD(8531.00) Inc(88.9) Azm(268.7) TVD(6580.89) VS(2301.75) NS(453.67) EW(-2278.25) TEMP(205.8)
#96 MD(8626.00) Inc(89.6) Azm(267.2) TVD(6582.17) VS(2396.30) NS(450.29) EW(-2373.18) TEMP(205.8)
#97 MD(8721.00) Inc(86.9) Azm(266.9) TVD(6585.11) VS(2490.64) NS(445.44) EW(-2468.00) TEMP(205.8)
#98 MD(8815.00) Inc(86.7) Azm(267.4) TVD(6590.39) VS(2583.92) NS(440.84) EW(-2561.74) TEMP(205.8)
#99 MD(8910.00) Inc(88.0) Azm(267.4) TVD(6594.79) VS(2678.28) NS(436.55) EW(-2656.54) TEMP(205.8)
#100 MD(9005.00) Inc(90.2) Azm(267.1) TVD(6596.28) VS(2772.70) NS(432.01) EW(-2751.41) TEMP(205.8)
#101 MD(9099.00) Inc(93.3) Azm(266.6) TVD(6593.43) VS(2866.01) NS(426.84) EW(-2845.21) TEMP(205.8)
#102 MD(9194.00) Inc(94.0) Azm(267.7) TVD(6587.35) VS(2960.23) NS(422.12) EW(-2939.90) TEMP(205.8)
#103 MD(9289.00) Inc(92.4) Azm(269.4) TVD(6582.02) VS(3054.72) NS(419.79) EW(-3034.72) TEMP(205.8)
#104 MD(9383.00) Inc(91.0) Azm(269.3) TVD(6577.58) VS(3148.43) NS(418.78) EW(-3128.67) TEMP(205.8)
#105 MD(9478.00) Inc(90.9) Azm(271.1) TVD(6577.58) VS(3243.26) NS(419.15) EW(-3223.65) TEMP(205.8)







#128 MD(11655.00) Inc(91.2) Azm(269.1) TVD(6596.37)
VS(5407.42) NS(347.29) EW(-5396.28) TEMP(205.8)

#129 MD(11750.00) Inc(90.1) Azm(268.2) TVD(6595.28)
VS(5502.07) NS(345.04) EW(-5491.24) TEMP(205.8)

#130 MD(11845.00) Inc(89.4) Azm(267.4) TVD(6595.74)
VS(5596.59) NS(341.41) EW(-5586.17) TEMP(205.8)

#131 MD(11939.00) Inc(89.8) Azm(268.4) TVD(6596.44)
VS(5690.15) NS(338.04) EW(-5680.11) TEMP(205.8)

#132 MD(11994.00) Inc(90.2) Azm(268.6) TVD(6596.44)
VS(5744.94) NS(336.60) EW(-5735.09) TEMP(205.8)

#133 MD(12063.00) Inc(90.2) Azm(268.6) TVD(6596.21)
VS(5813.06) NS(334.80) EW(-5804.06) TEMP(205.8)