



WELLS RANCH AE 30-63HNC 1":100' MD

Company: NOBLE ENERGY

Well Name: WELLS RANCH AE 30-63HNC

API: 05-123-38682

Rig Id: H&P 277

State: CO

County/Parish: WELD

Country: USA

Survey Company: DRILTECH

Job number: 2014-238-IDDT-CO

RAYMOND HORTON MWD OPERATOR

JOSH CAYLOR MWD OPERATOR

Log measurements:

Depth measured from: 638

Maximum temperature: 205.8

Depth Date

Start: 638 ft 5/30/2014

End: 12007 ft 6/6/2014

Casing Depth Size

Surface: 628 9.625

Intermediate: 6909 7.0

Mud Type: Water Base

Density: 9.2

Viscosity: 35

Elevations

KB: 24

GL: 4741

Rm:

Rmf:

Rmc:

DF:

Offsets

Gamma Survey

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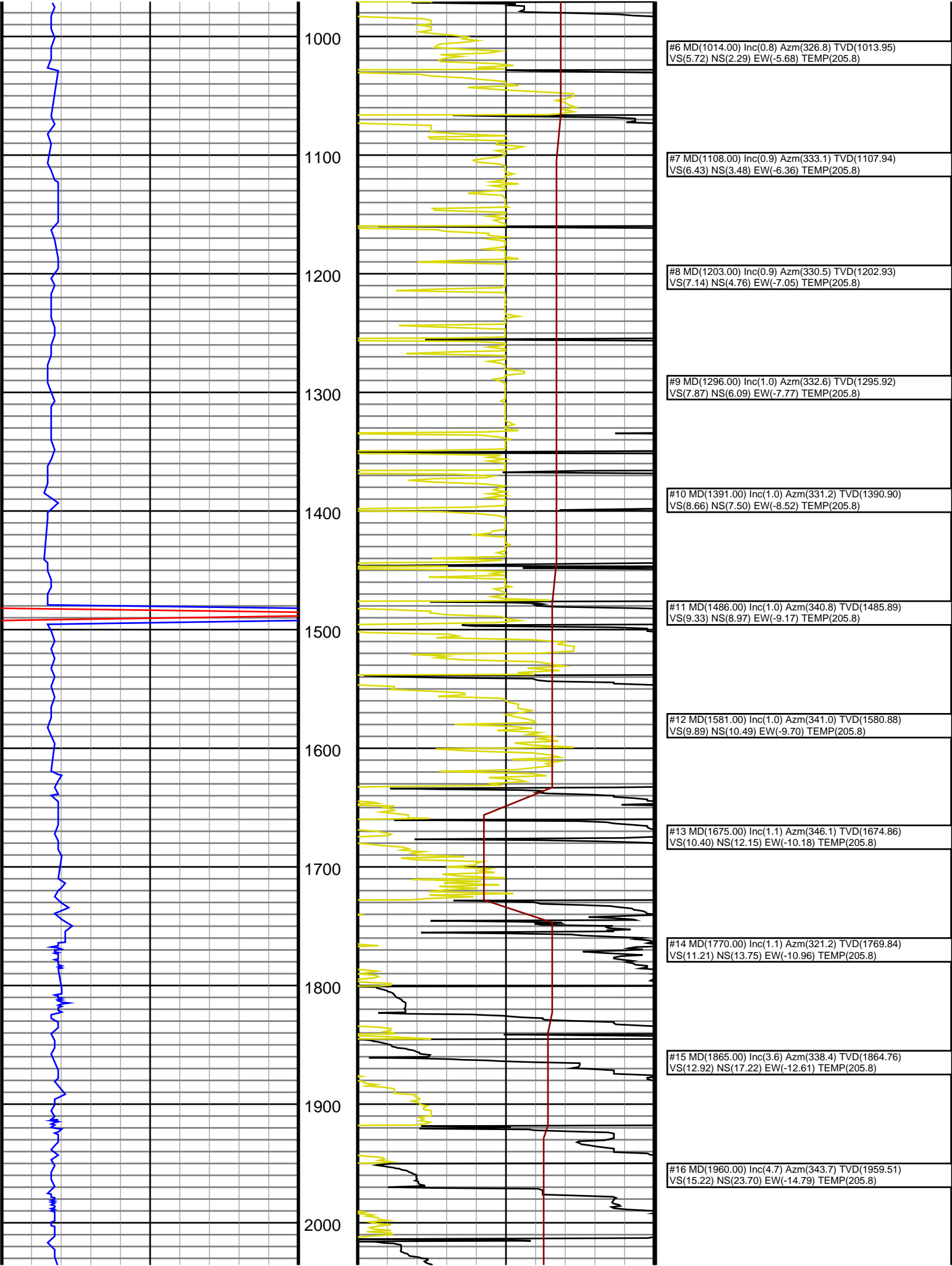
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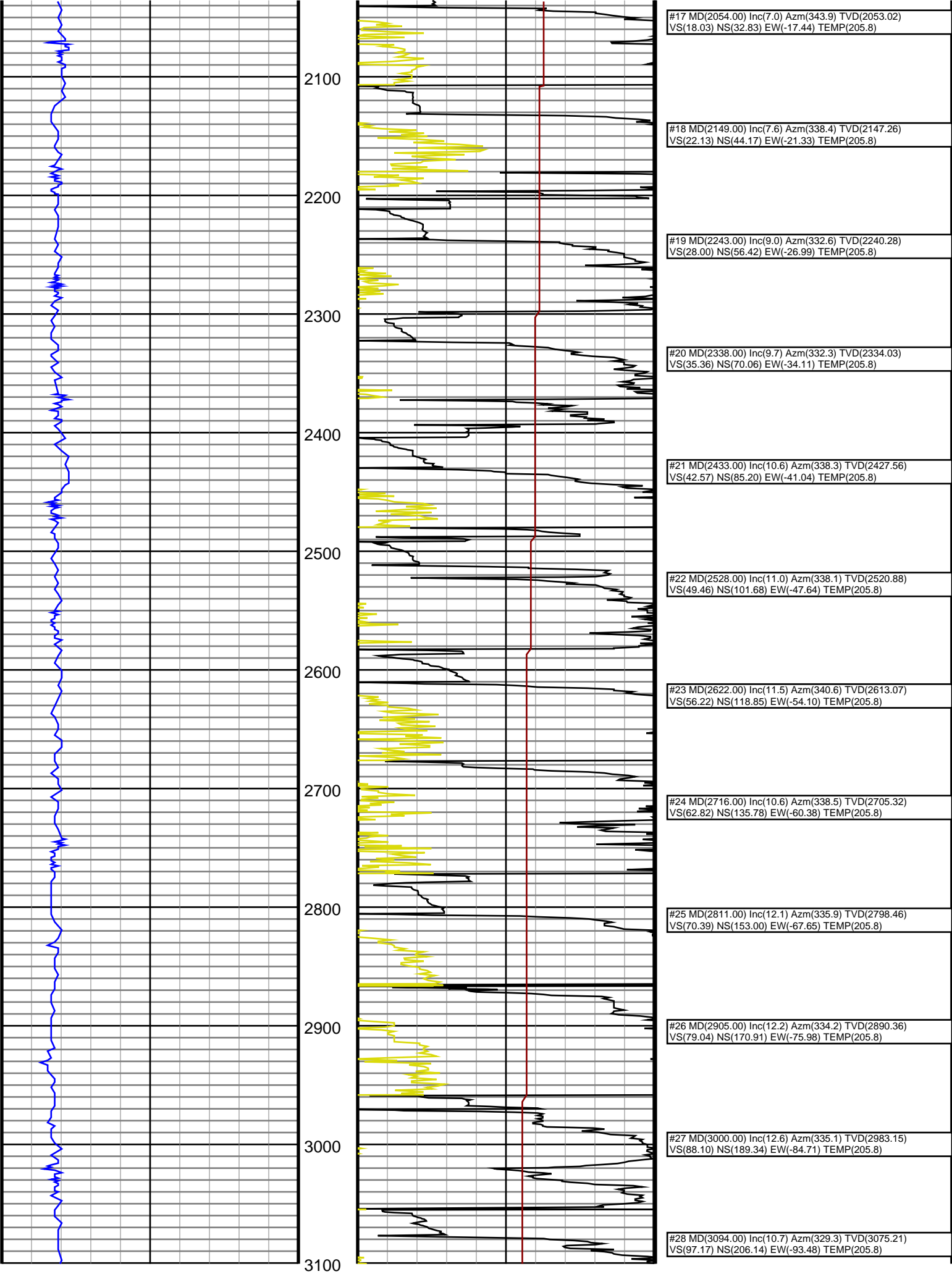
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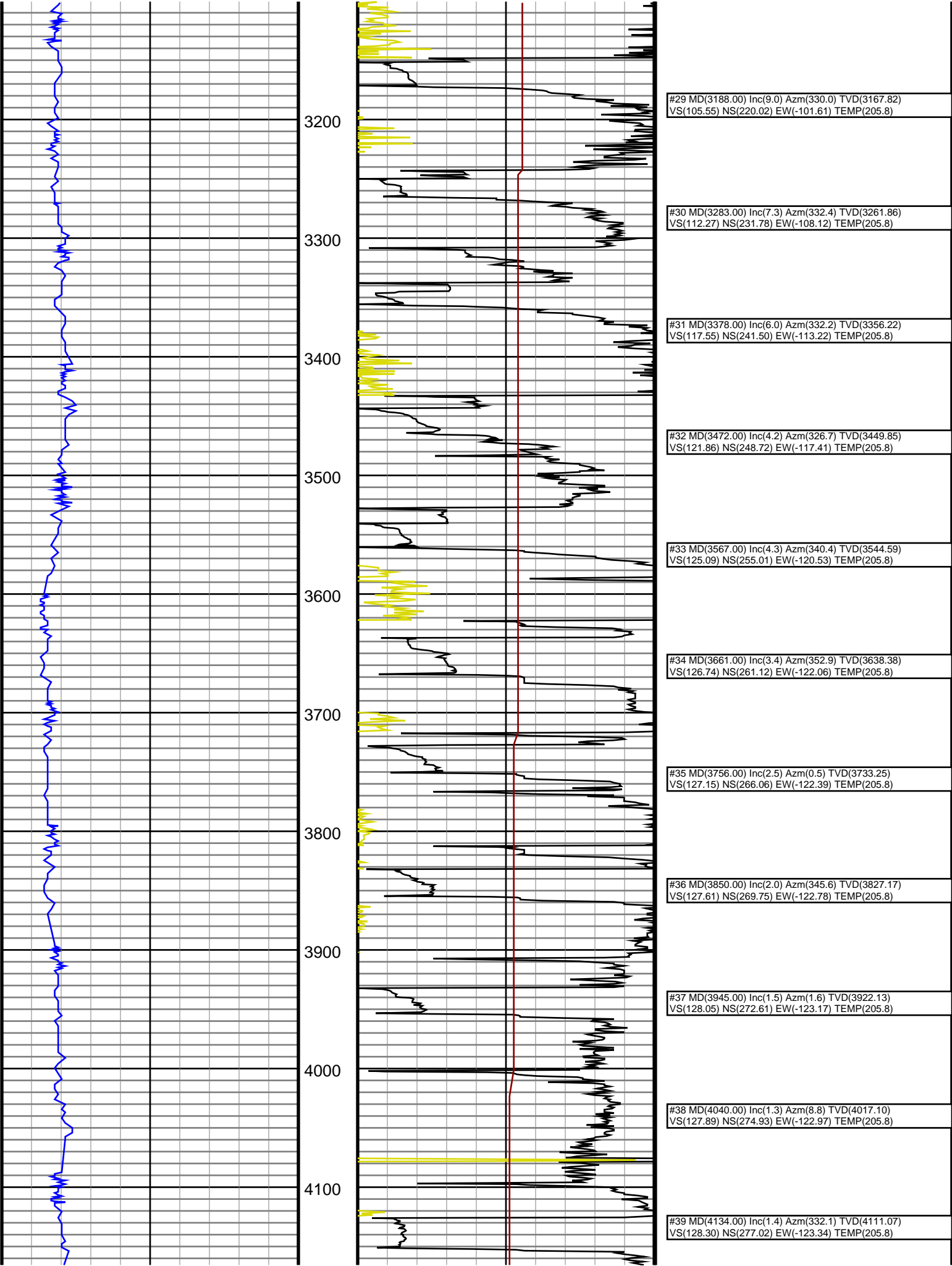
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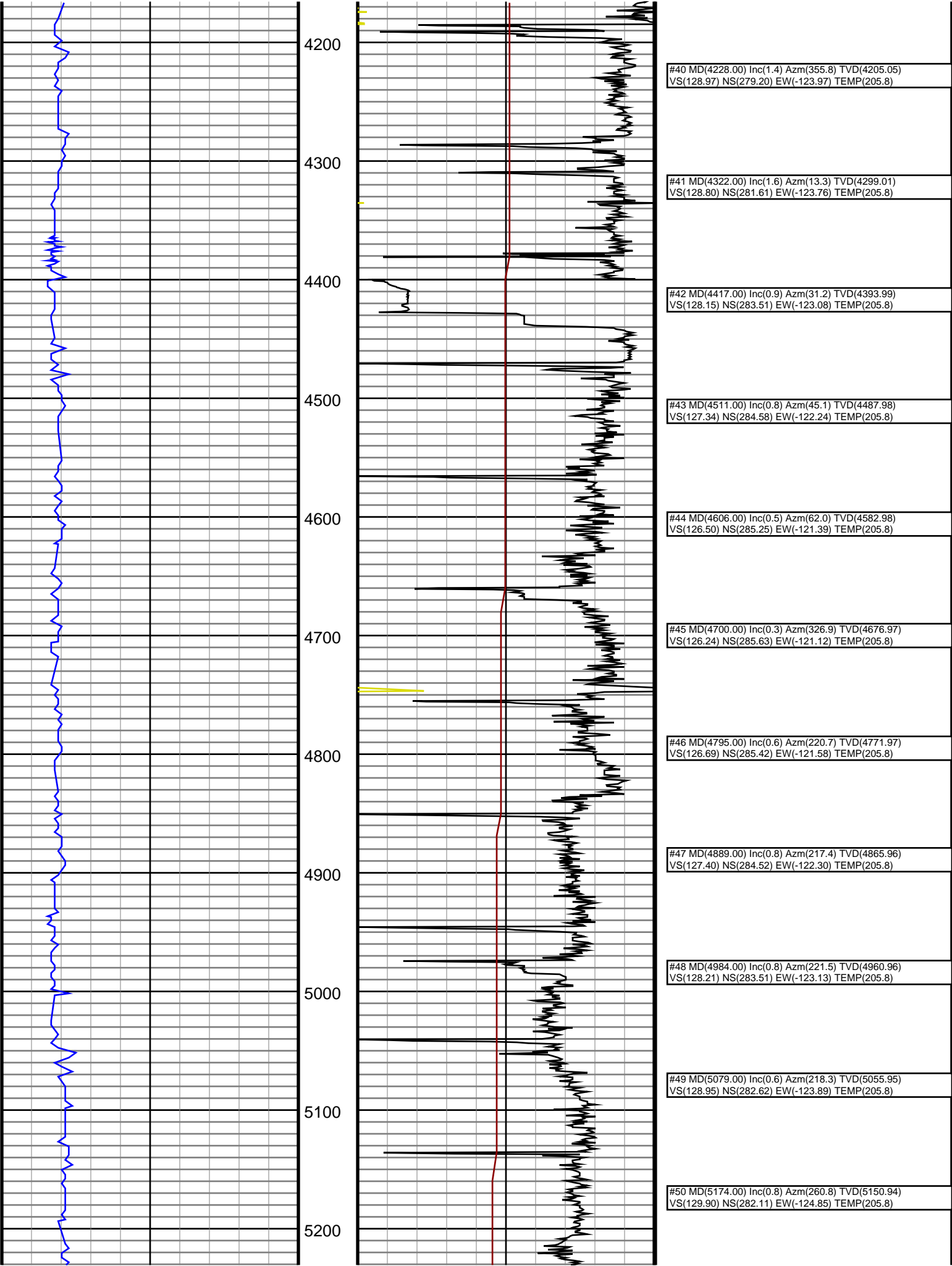
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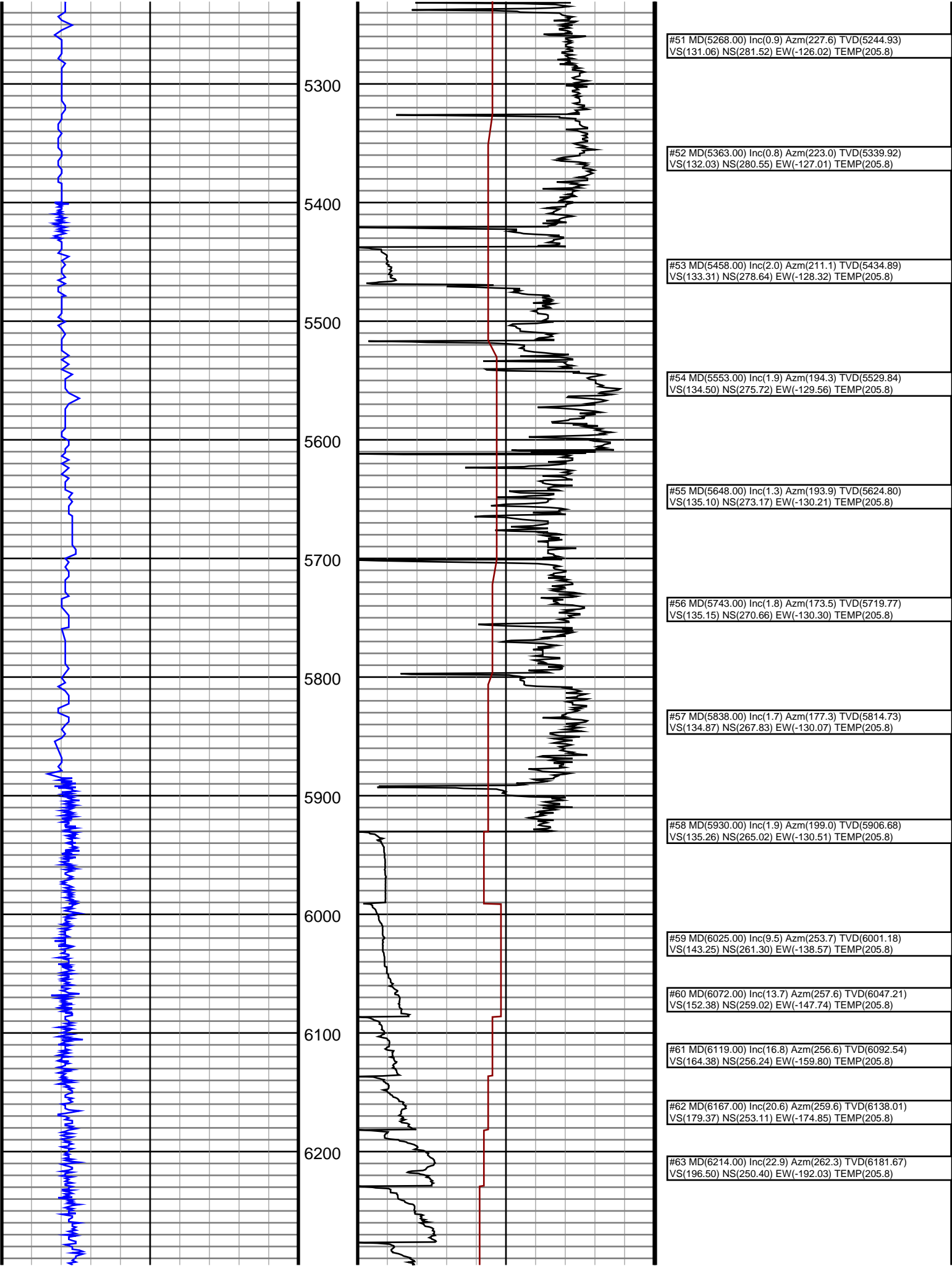
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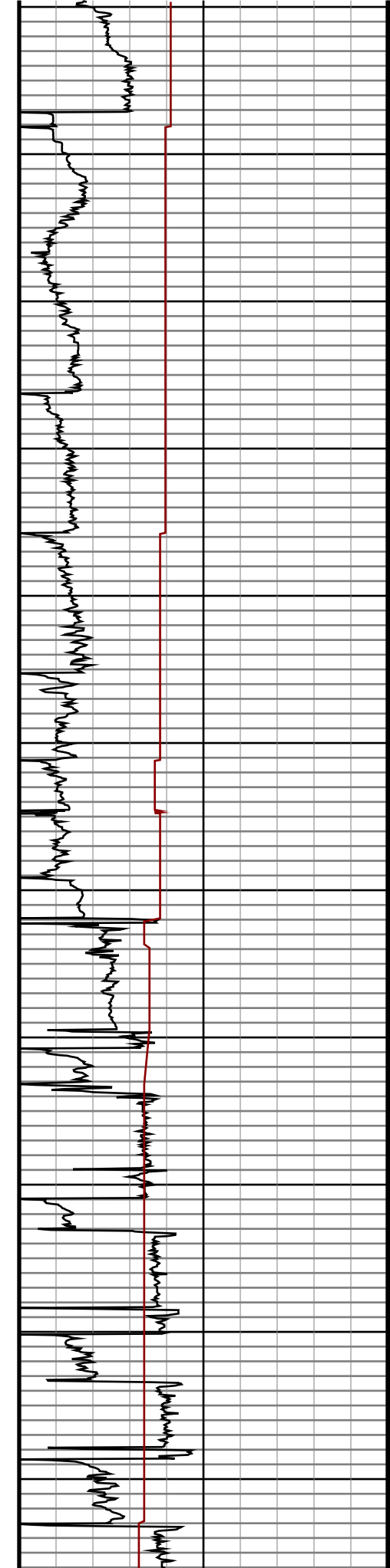
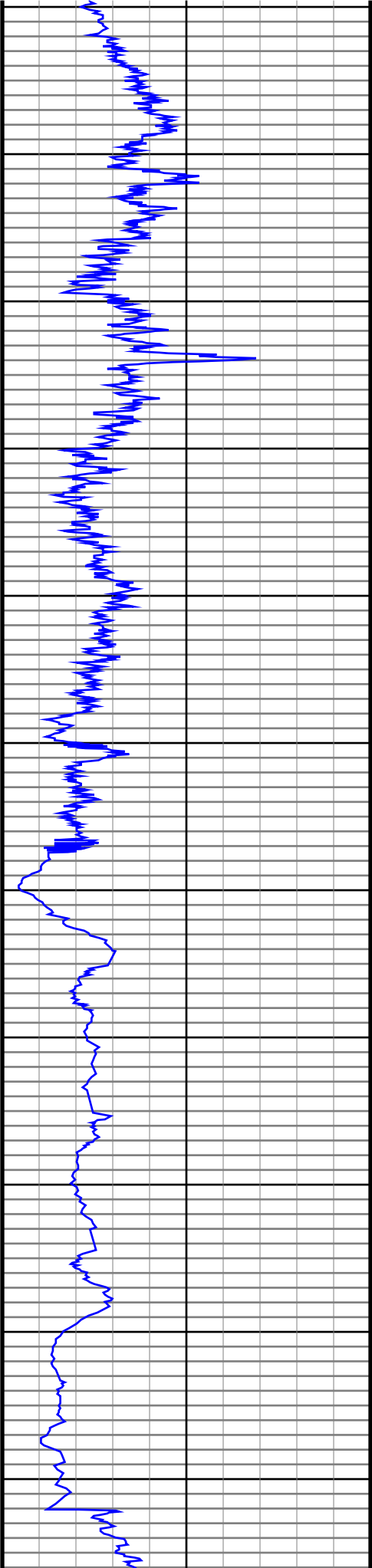




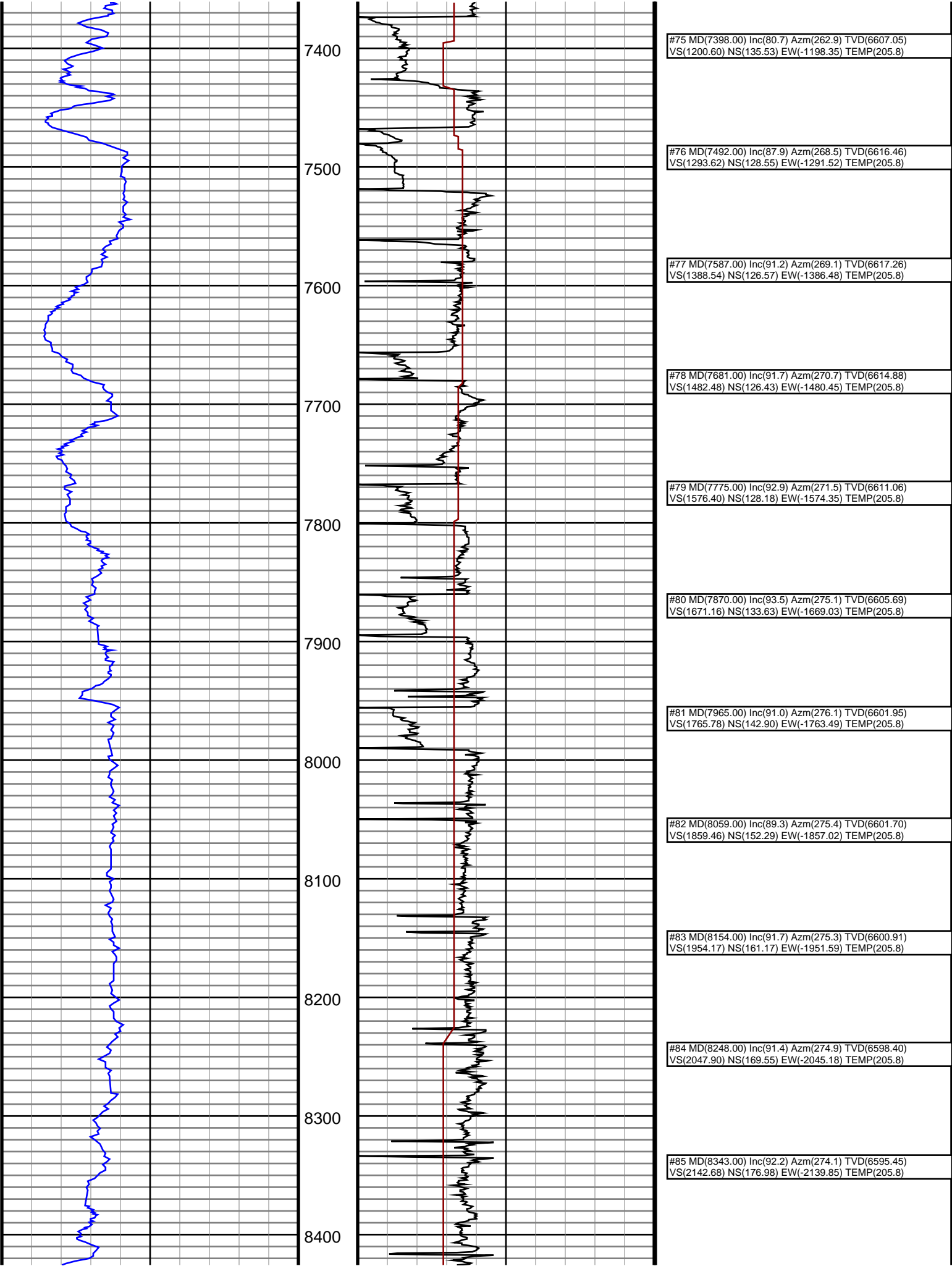


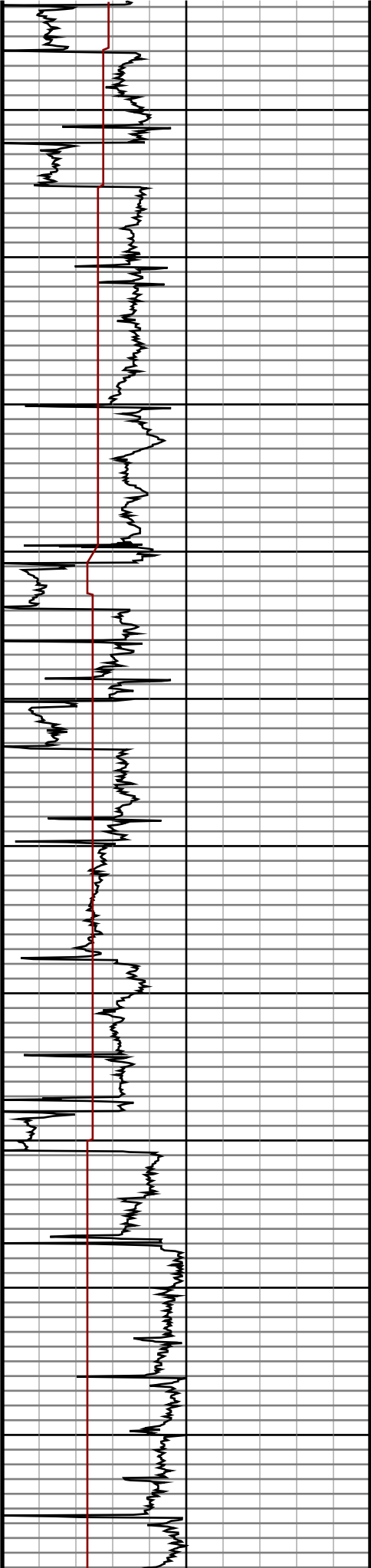
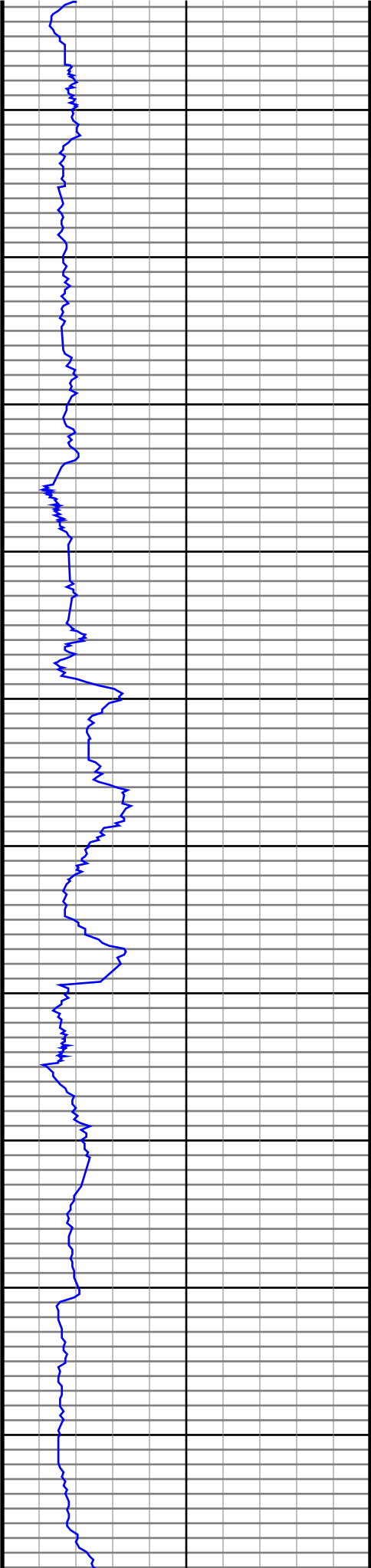




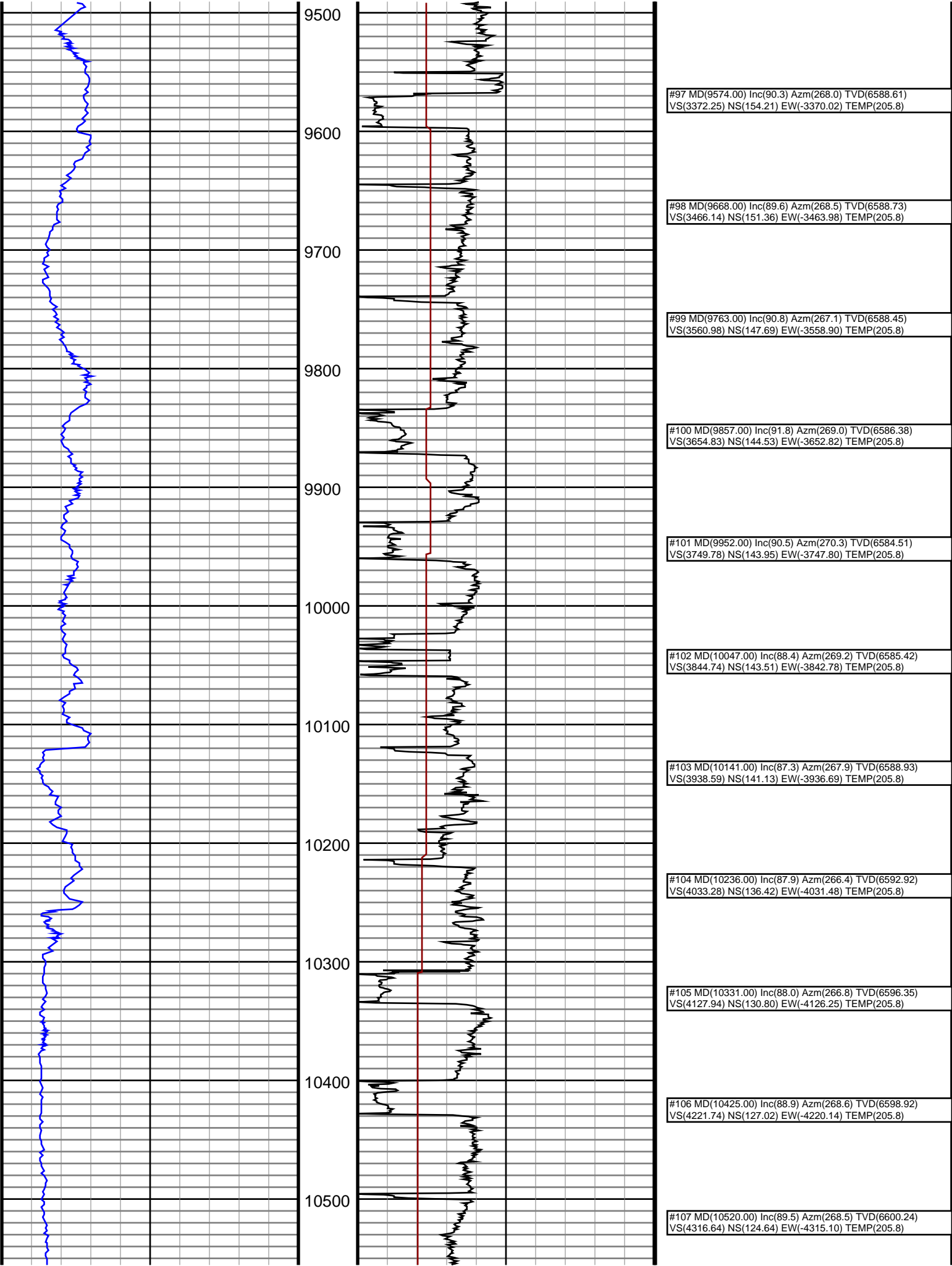


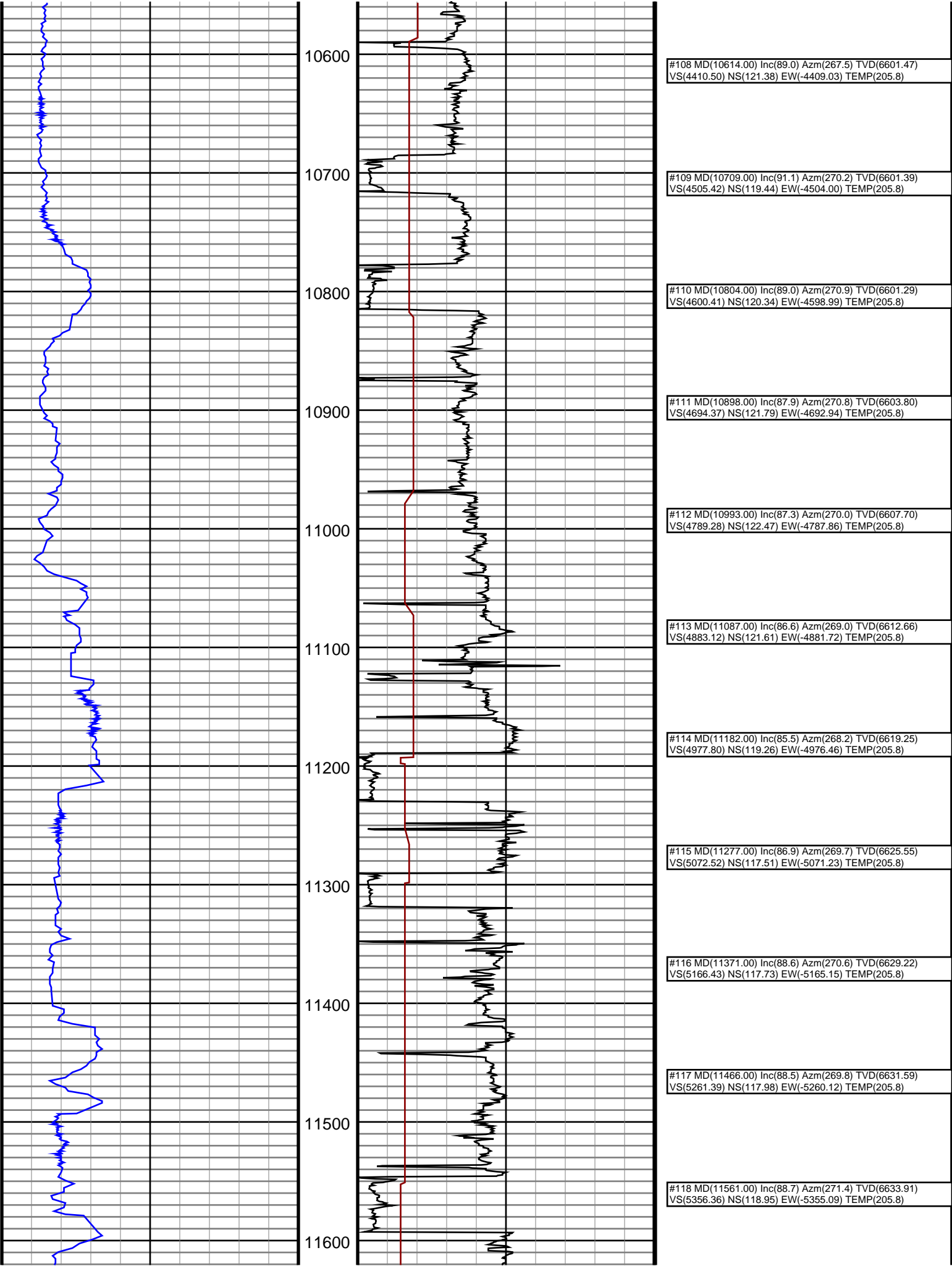
#64 MD(6309.00) Inc(29.0) Azm(260.6) TVD(6267.06) VS(237.44) NS(244.15) EW(-233.08) TEMP(205.8)
#65 MD(6403.00) Inc(36.8) Azm(256.3) TVD(6345.94) VS(287.14) NS(233.72) EW(-282.98) TEMP(205.8)
#66 MD(6498.00) Inc(46.2) Azm(255.7) TVD(6417.05) VS(347.81) NS(218.49) EW(-343.94) TEMP(205.8)
#67 MD(6592.00) Inc(56.7) Azm(258.6) TVD(6475.56) VS(419.10) NS(202.34) EW(-415.53) TEMP(205.8)
#68 MD(6687.00) Inc(67.7) Azm(259.5) TVD(6519.78) VS(501.21) NS(186.46) EW(-497.93) TEMP(205.8)
#69 MD(6782.00) Inc(78.1) Azm(264.9) TVD(6547.70) VS(590.78) NS(174.26) EW(-587.75) TEMP(205.8)
#70 MD(6829.00) Inc(82.6) Azm(268.0) TVD(6555.59) VS(636.95) NS(171.40) EW(-633.97) TEMP(205.8)
#71 MD(7019.00) Inc(87.3) Azm(269.9) TVD(6572.36) VS(826.03) NS(168.01) EW(-823.14) TEMP(205.8)
#72 MD(7114.00) Inc(87.6) Azm(267.4) TVD(6576.62) VS(920.84) NS(165.74) EW(-918.01) TEMP(205.8)
#73 MD(7209.00) Inc(85.7) Azm(265.1) TVD(6582.22) VS(1015.33) NS(159.49) EW(-1012.63) TEMP(205.8)
#74 MD(7303.00) Inc(81.8) Azm(261.3) TVD(6592.52) VS(1107.86) NS(148.43) EW(-1105.37) TEMP(205.8)

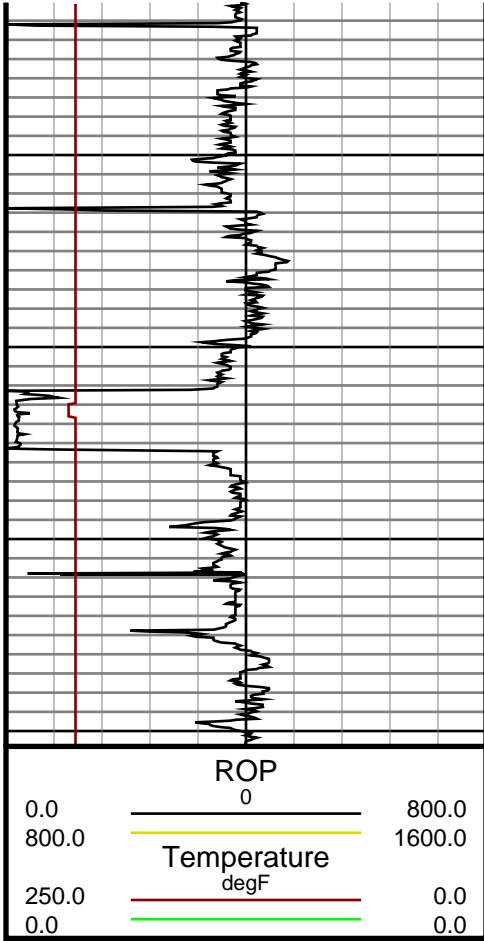
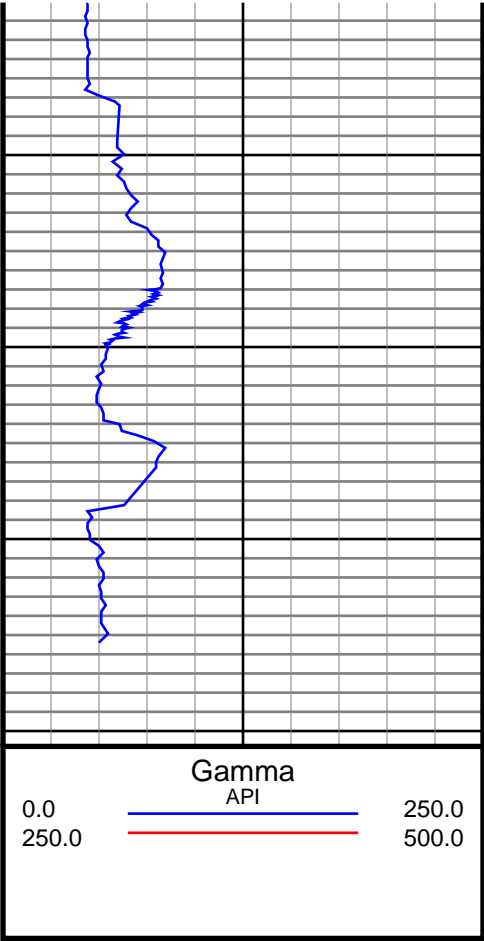




#86 MD(8438.00) Inc(92.1) Azm(272.1) TVD(6591.91) VS(2237.55) NS(182.10) EW(-2234.64) TEMP(205.8)
#87 MD(8532.00) Inc(90.2) Azm(269.1) TVD(6590.00) VS(2331.51) NS(183.07) EW(-2328.60) TEMP(205.8)
#88 MD(8627.00) Inc(90.0) Azm(267.8) TVD(6589.85) VS(2426.41) NS(180.52) EW(-2423.56) TEMP(205.8)
#89 MD(8722.00) Inc(91.1) Azm(267.7) TVD(6588.96) VS(2521.25) NS(176.79) EW(-2518.48) TEMP(205.8)
#90 MD(8816.00) Inc(91.8) Azm(267.3) TVD(6586.60) VS(2615.04) NS(172.67) EW(-2612.36) TEMP(205.8)
#91 MD(8911.00) Inc(89.9) Azm(268.2) TVD(6585.24) VS(2709.87) NS(168.95) EW(-2707.27) TEMP(205.8)
#92 MD(9006.00) Inc(88.4) Azm(268.7) TVD(6586.71) VS(2804.76) NS(166.42) EW(-2802.23) TEMP(205.8)
#93 MD(9101.00) Inc(89.8) Azm(268.3) TVD(6588.25) VS(2899.66) NS(163.94) EW(-2897.18) TEMP(205.8)
#94 MD(9290.00) Inc(89.8) Azm(270.3) TVD(6589.01) VS(3088.56) NS(161.61) EW(-3086.15) TEMP(205.8)
#95 MD(9384.00) Inc(89.8) Azm(268.9) TVD(6589.33) VS(3182.53) NS(160.95) EW(-3180.15) TEMP(205.8)
#96 MD(9479.00) Inc(90.4) Azm(267.5) TVD(6589.16) VS(3277.41) NS(157.93) EW(-3275.10) TEMP(205.8)







#119 MD(11656.00) Inc(90.1) Azm(271.3) TVD(6634.90)
VS(5451.35) NS(121.16) EW(-5450.05) TEMP(205.8)

#120 MD(11751.00) Inc(88.8) Azm(268.7) TVD(6635.77)
VS(5546.32) NS(121.11) EW(-5545.04) TEMP(205.8)

#121 MD(11846.00) Inc(92.2) Azm(270.8) TVD(6634.97)
VS(5641.27) NS(120.65) EW(-5640.01) TEMP(205.8)

#122 MD(11937.00) Inc(92.8) Azm(270.3) TVD(6631.05)
VS(5732.18) NS(121.49) EW(-5730.93) TEMP(205.8)

#123 MD(12007.00) Inc(92.8) Azm(270.3) TVD(6627.64)
VS(5833.00) NS(121.89) EW(-5830.81) TEMP(205.8)