



Storis E24-78-1HN

MD
1":100'

Company: Noble Energy
Well Name: Storis E24-78-1HN
API: 05-123-38162
Rig Id: H&P 330
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: DrilTech, LLC
Job number: 2014-194-IDDT-CO
MWD Operator: Cliff Litherland
MWD Operator: Courtney Rubin

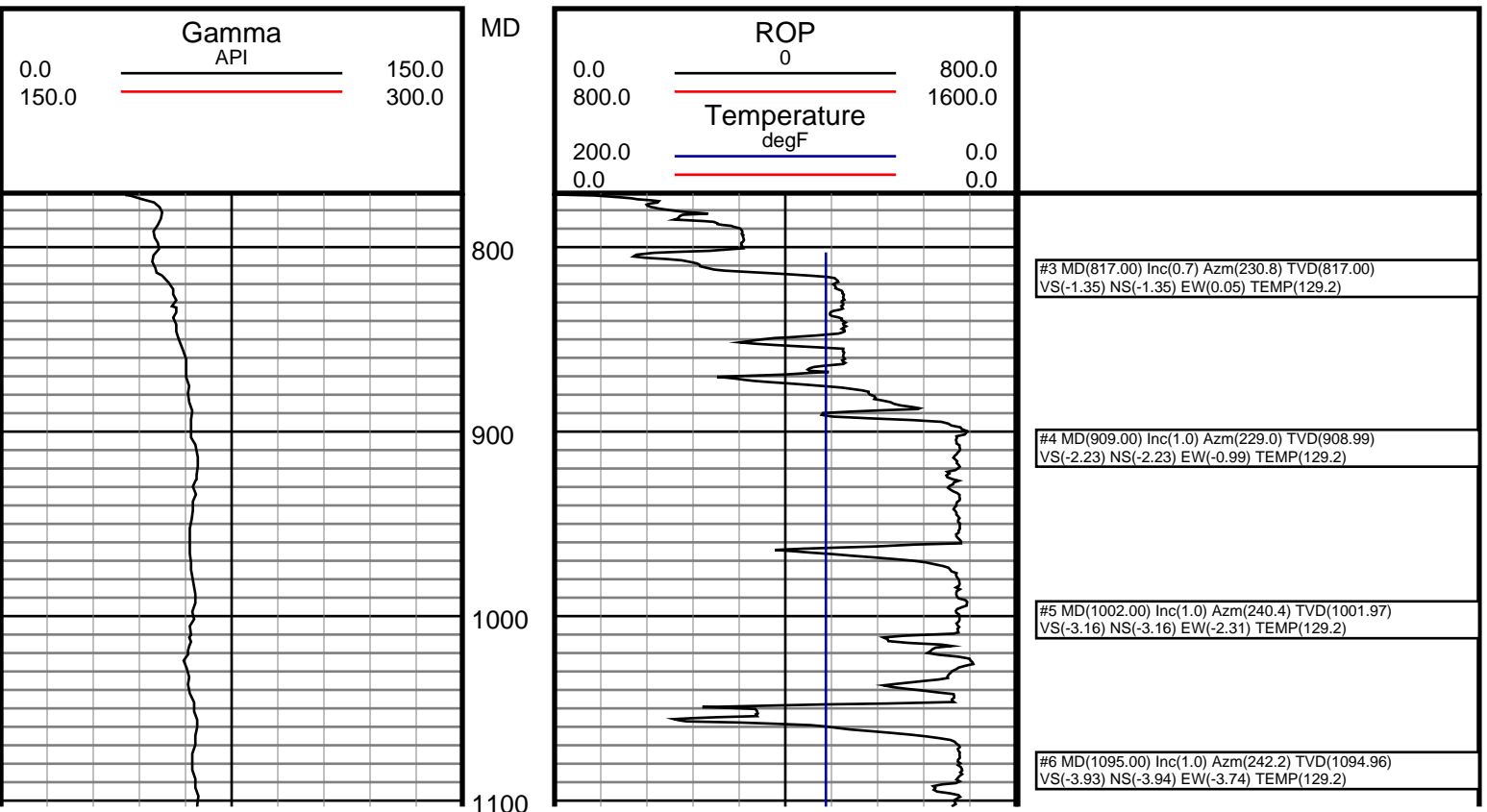
Log measurements: 1.0
Depth measured from: 770
Maximum temperature: 224.6

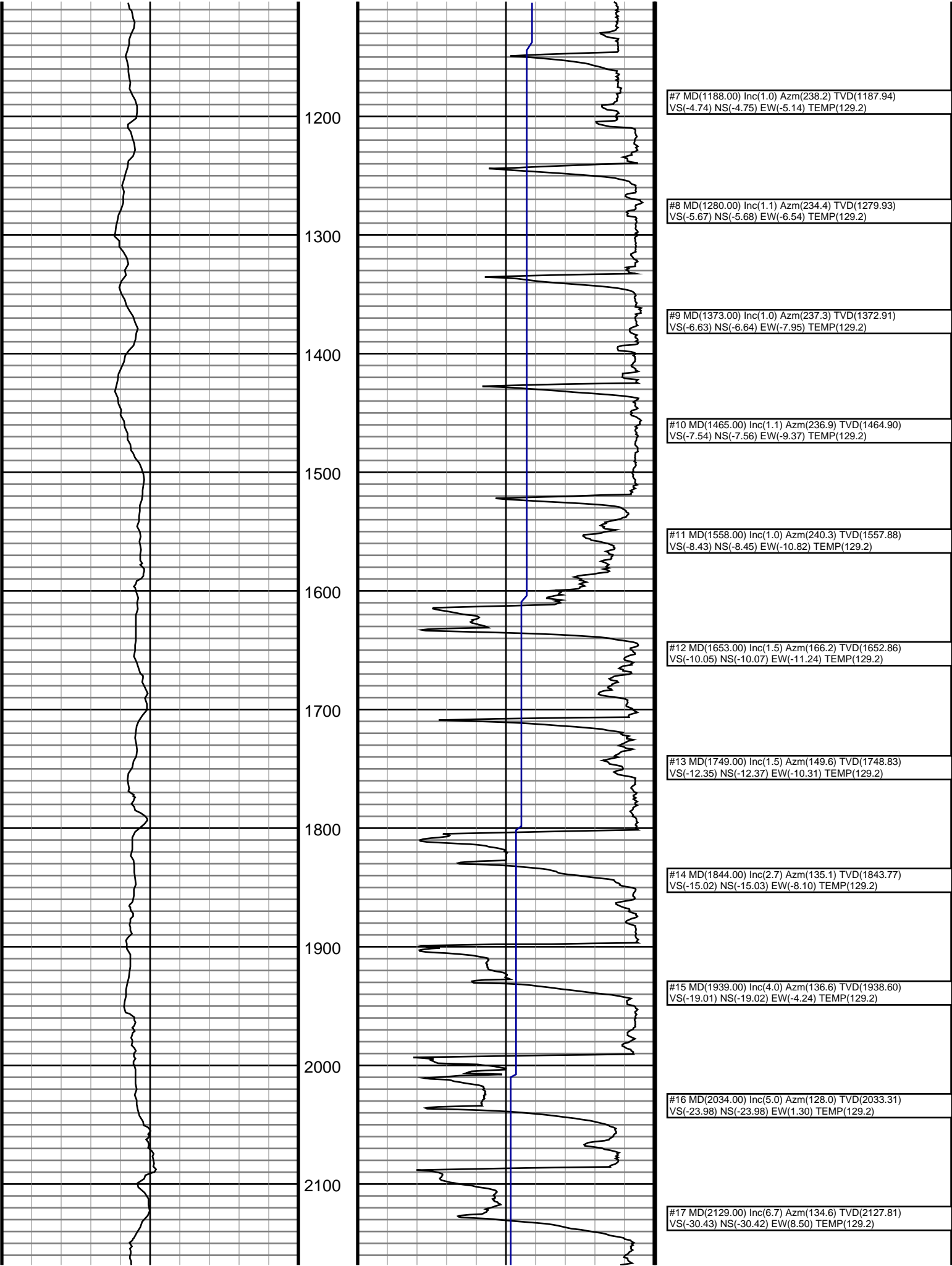
Depth Date
Start: 769 ft 5/6/2014
End: 11516 ft 5/14/2014

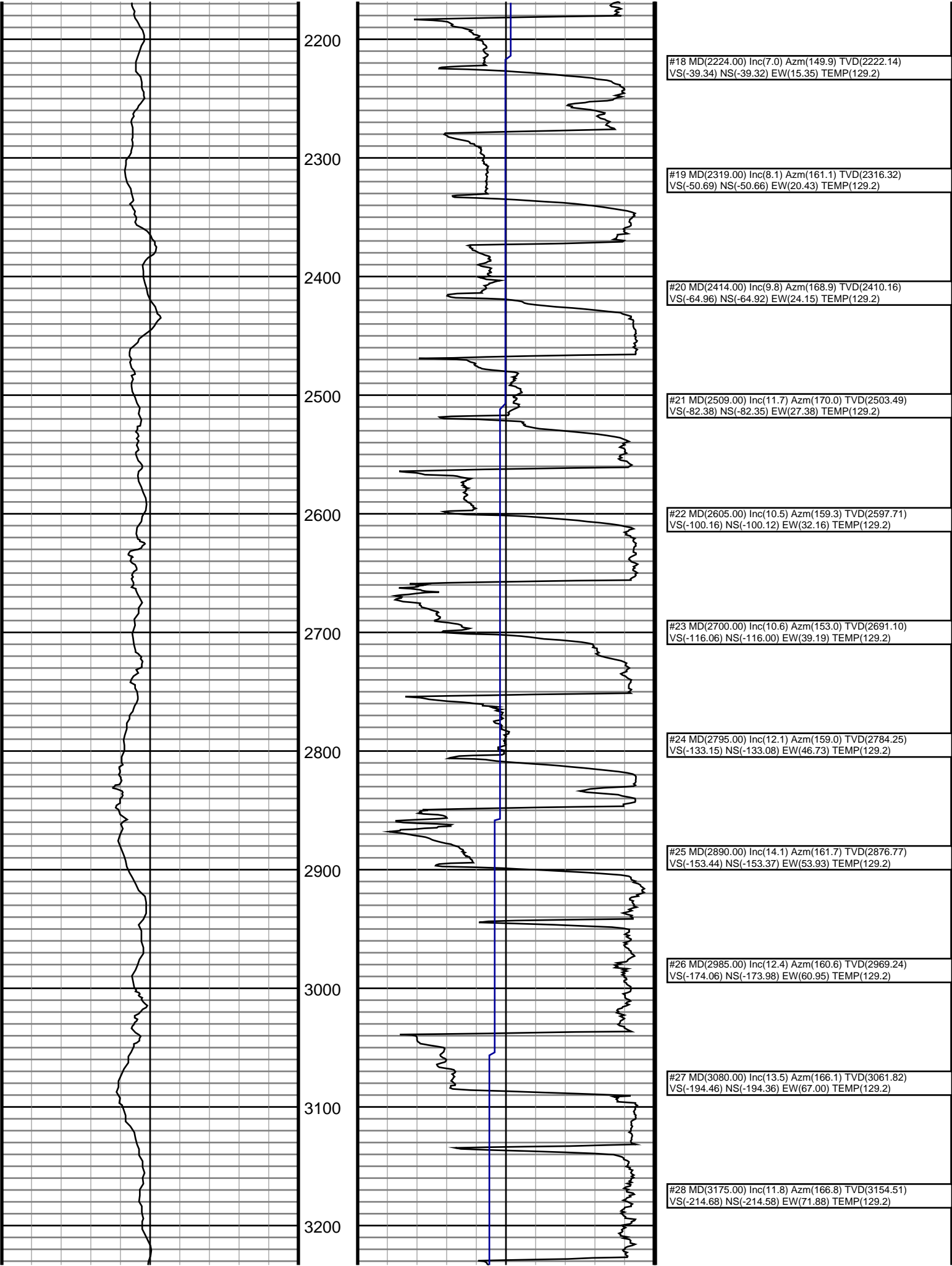
Casing Depth Size	Mud Type: Water Base	Elevations
Surface: 769 9 5/8	Density: 9.2	KB: 4721
Intermediate: 7112 7	Viscosity: 37@100	GL: 4091
	Rm: Rmf: Rmc:	DF: 30

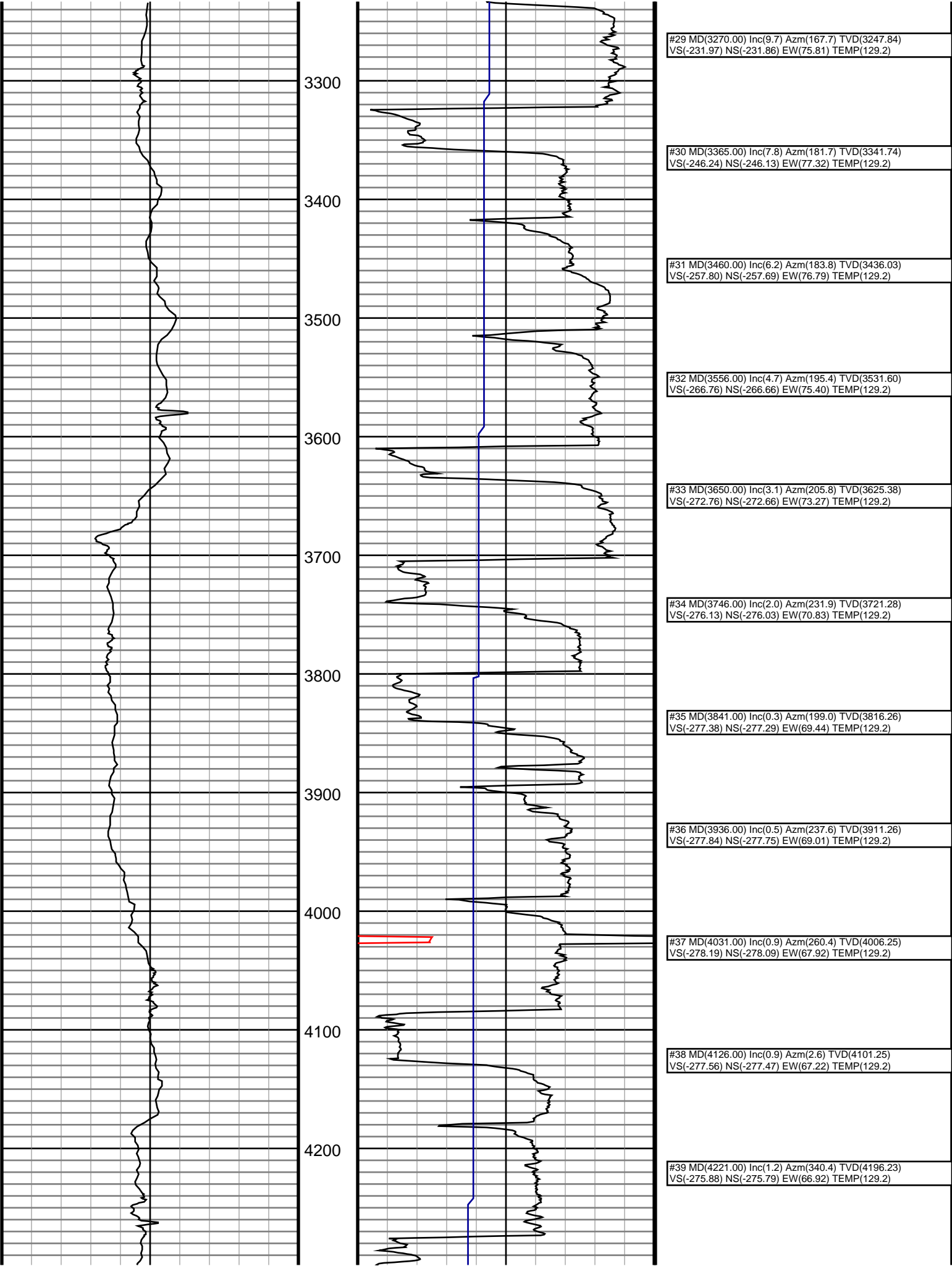
Run	Bit Size	Offsets	Gamma Survey	Start	End	Start	End
1	8 3/4	35.00	53.00	769	6161	5/6/2014	5/8/2014
2	8 3/4	46.00	64.00	6161	6614	5/8/2014	5/9/2014
3	8 3/4	45.00	64.00	6614	6749	5/9/2014	5/10/2014
4	8 3/4	45.00	64.00	6749	7112	5/10/2014	5/11/2014
5	6 1/8	55.00	72.00	7112	11516	5/12/2014	5/14/2014
6							
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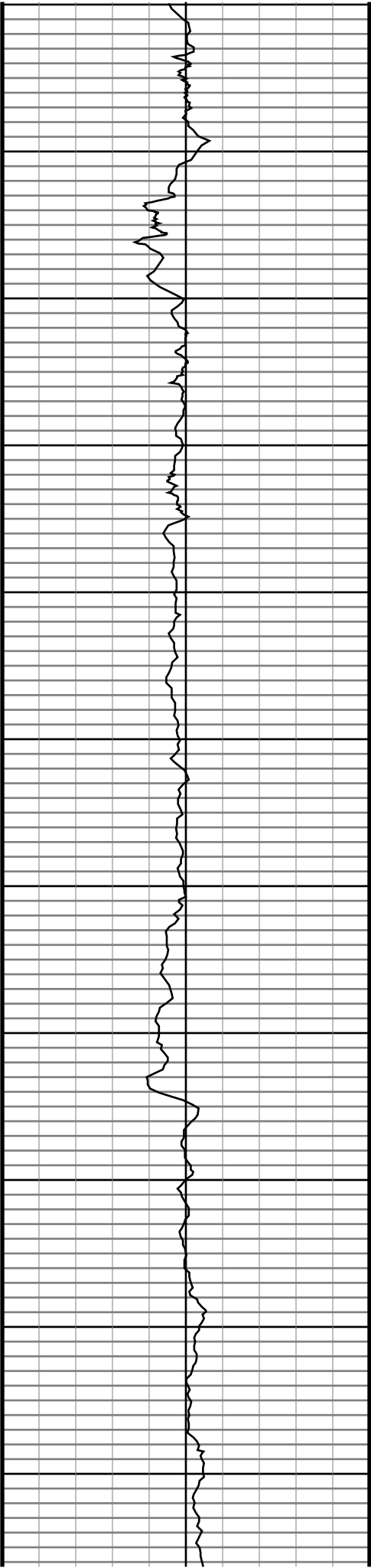
DrilTech, LLC uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.



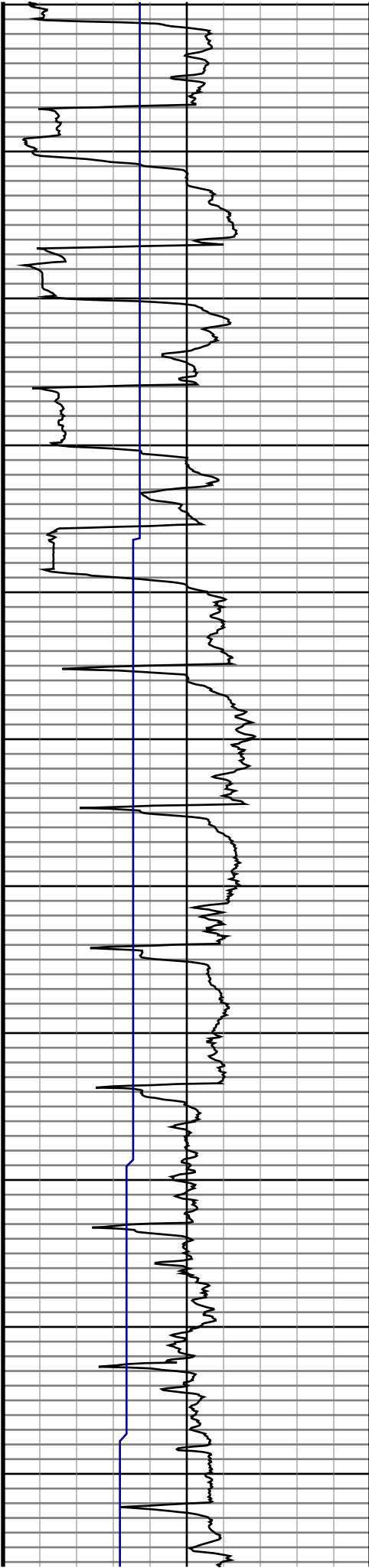








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#40 MD(4316.00) Inc(2.0) Azm(352.0) TVD(4291.19)
VS(-273.30) NS(-273.21) EW(66.36) TEMP(129.2)

#41 MD(4412.00) Inc(2.0) Azm(11.9) TVD(4387.14)
VS(-270.00) NS(-269.91) EW(66.47) TEMP(129.2)

#42 MD(4507.00) Inc(2.9) Azm(66.2) TVD(4482.06)
VS(-267.42) NS(-267.32) EW(69.01) TEMP(129.2)

#43 MD(4602.00) Inc(0.6) Azm(28.1) TVD(4577.01)
VS(-266.01) NS(-265.91) EW(71.44) TEMP(129.2)

#44 MD(4697.00) Inc(0.9) Azm(160.3) TVD(4672.01)
VS(-266.27) NS(-266.17) EW(71.93) TEMP(129.2)

#45 MD(4792.00) Inc(1.1) Azm(174.1) TVD(4766.99)
VS(-267.88) NS(-267.78) EW(72.28) TEMP(129.2)

#46 MD(4888.00) Inc(1.4) Azm(161.0) TVD(4862.97)
VS(-269.91) NS(-269.81) EW(72.75) TEMP(129.2)

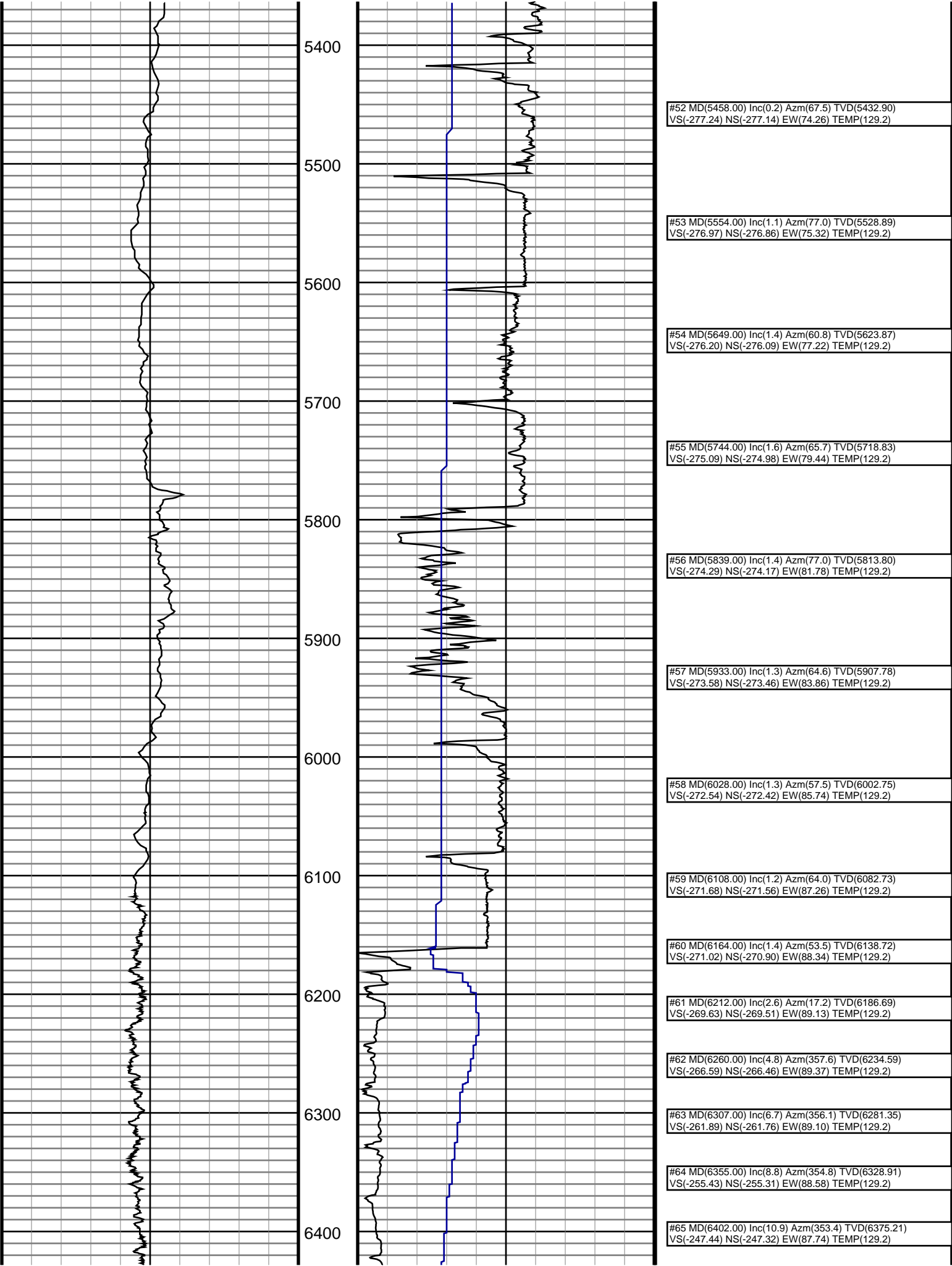
#47 MD(4983.00) Inc(1.4) Azm(165.0) TVD(4957.94)
VS(-272.13) NS(-272.03) EW(73.43) TEMP(129.2)

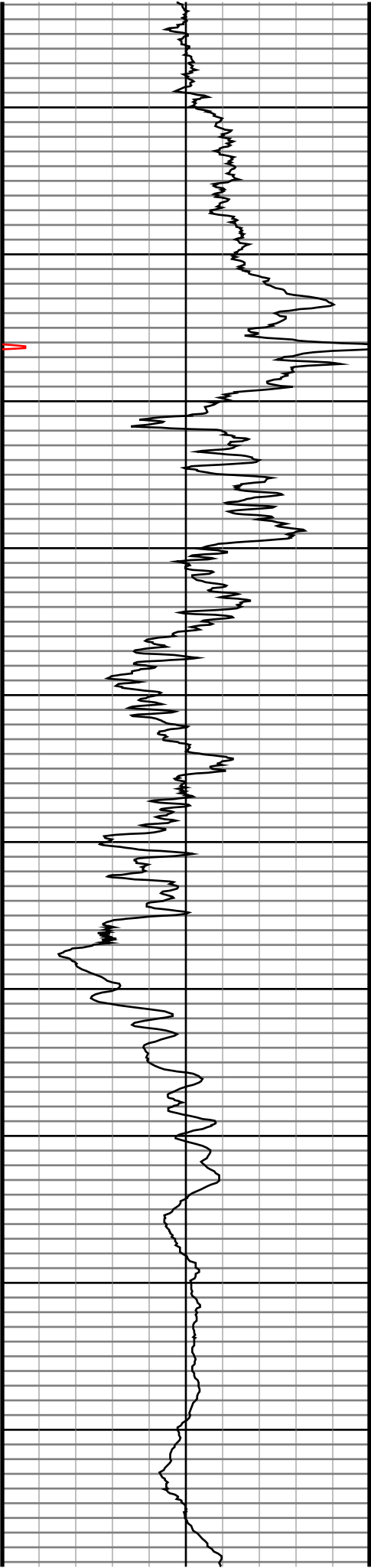
#48 MD(5078.00) Inc(1.1) Azm(169.5) TVD(5052.92)
VS(-274.15) NS(-274.04) EW(73.90) TEMP(129.2)

#49 MD(5173.00) Inc(0.8) Azm(169.0) TVD(5147.91)
VS(-275.70) NS(-275.59) EW(74.19) TEMP(129.2)

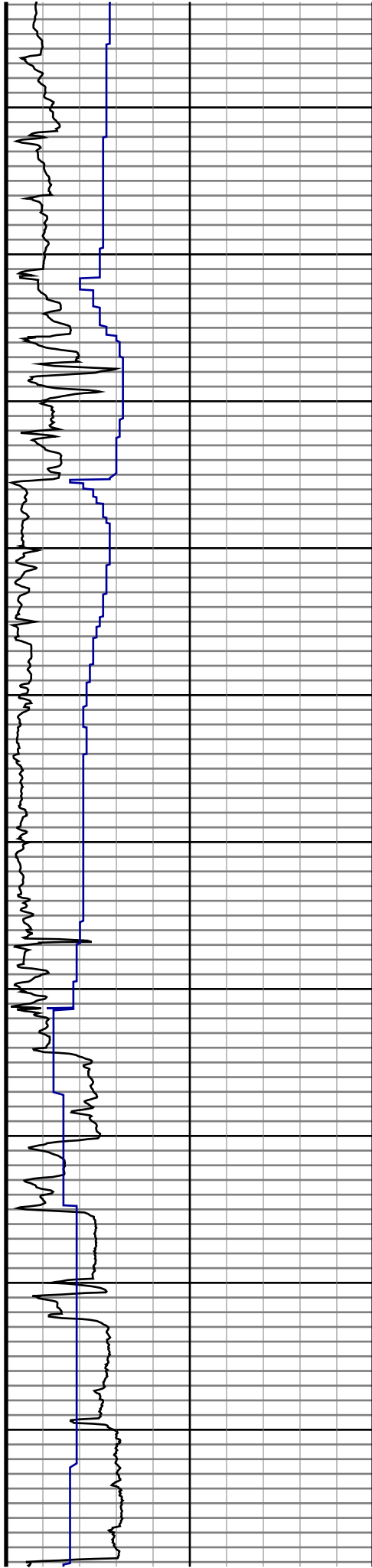
#50 MD(5268.00) Inc(0.5) Azm(173.1) TVD(5242.90)
VS(-276.76) NS(-276.66) EW(74.37) TEMP(129.2)

#51 MD(5363.00) Inc(0.2) Azm(246.4) TVD(5337.90)
VS(-277.24) NS(-277.13) EW(74.26) TEMP(129.2)

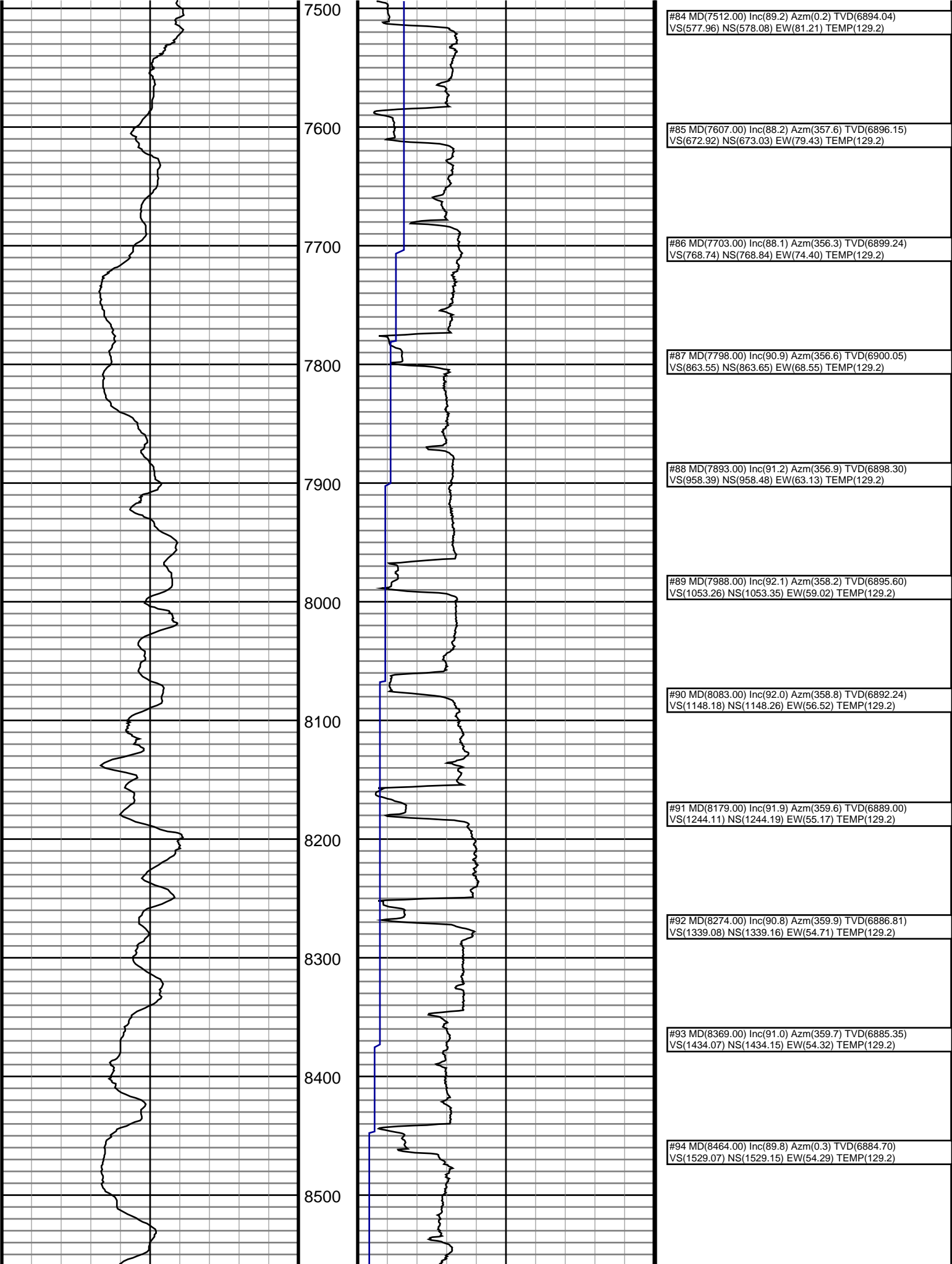


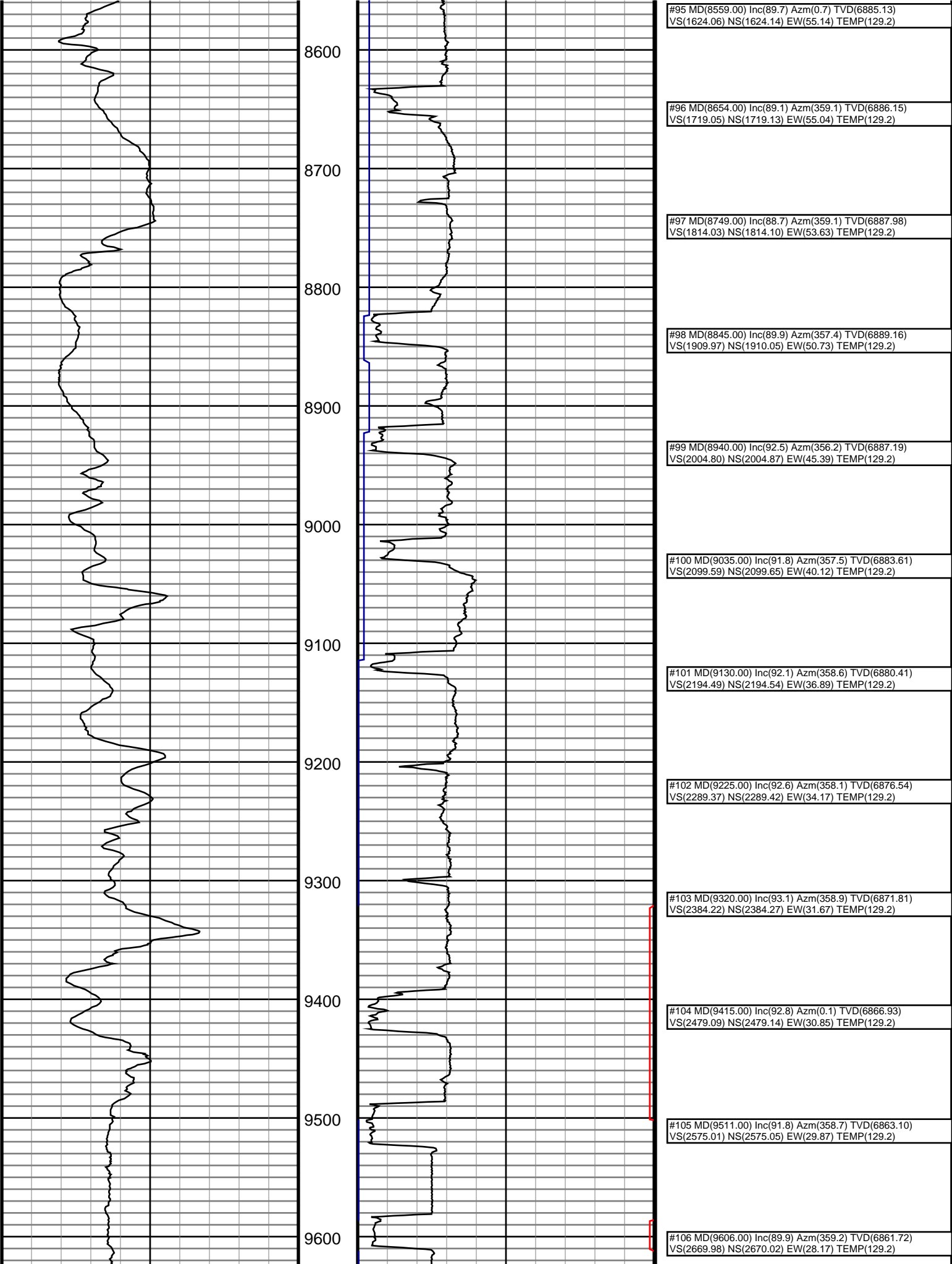


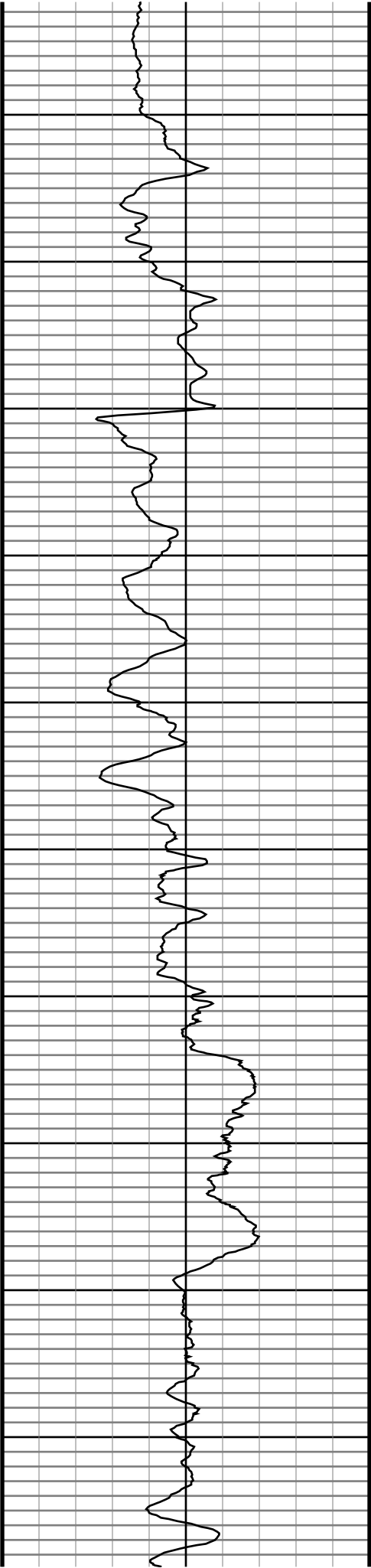
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#66 MD(6450.00) Inc(13.3) Azm(354.7) TVD(6422.14) VS(-237.43) NS(-237.31) EW(86.71) TEMP(129.2)
#67 MD(6497.00) Inc(15.5) Azm(355.3) TVD(6467.67) VS(-225.78) NS(-225.66) EW(85.70) TEMP(129.2)
#68 MD(6545.00) Inc(18.2) Azm(354.7) TVD(6513.60) VS(-211.92) NS(-211.81) EW(84.48) TEMP(129.2)
#69 MD(6591.00) Inc(20.5) Azm(354.2) TVD(6557.00) VS(-196.75) NS(-196.64) EW(83.00) TEMP(129.2)
#70 MD(6639.00) Inc(25.9) Azm(354.1) TVD(6601.10) VS(-177.95) NS(-177.83) EW(81.07) TEMP(129.2)
#71 MD(6686.00) Inc(27.1) Azm(0.9) TVD(6643.17) VS(-157.03) NS(-156.91) EW(80.18) TEMP(129.2)
#72 MD(6734.00) Inc(32.7) Azm(2.4) TVD(6684.77) VS(-133.12) NS(-133.01) EW(80.90) TEMP(129.2)
#73 MD(6781.00) Inc(40.5) Azm(4.5) TVD(6722.47) VS(-105.18) NS(-105.06) EW(82.63) TEMP(129.2)
#74 MD(6829.00) Inc(47.6) Azm(3.4) TVD(6756.95) VS(-71.91) NS(-71.79) EW(84.91) TEMP(129.2)
#75 MD(6876.00) Inc(53.4) Azm(0.8) TVD(6786.84) VS(-35.69) NS(-35.57) EW(86.20) TEMP(129.2)
#76 MD(6924.00) Inc(60.1) Azm(359.4) TVD(6813.14) VS(4.43) NS(4.55) EW(86.25) TEMP(129.2)
#77 MD(6971.00) Inc(62.2) Azm(356.6) TVD(6835.82) VS(45.56) NS(45.68) EW(84.81) TEMP(129.2)
#78 MD(7019.00) Inc(68.9) Azm(356.7) TVD(6855.68) VS(89.16) NS(89.28) EW(82.26) TEMP(129.2)
#79 MD(7048.00) Inc(72.9) Azm(356.4) TVD(6865.16) VS(116.51) NS(116.63) EW(80.61) TEMP(129.2)
#80 MD(7132.00) Inc(82.7) Azm(1.3) TVD(6882.90) VS(198.48) NS(198.59) EW(79.03) TEMP(129.2)
#81 MD(7227.00) Inc(86.6) Azm(359.9) TVD(6891.76) VS(293.03) NS(293.15) EW(80.01) TEMP(129.2)
#82 MD(7322.00) Inc(90.1) Azm(359.6) TVD(6894.47) VS(387.98) NS(388.09) EW(79.59) TEMP(129.2)
#83 MD(7417.00) Inc(90.6) Azm(1.1) TVD(6893.89) VS(482.97) NS(483.09) EW(80.15) TEMP(129.2)







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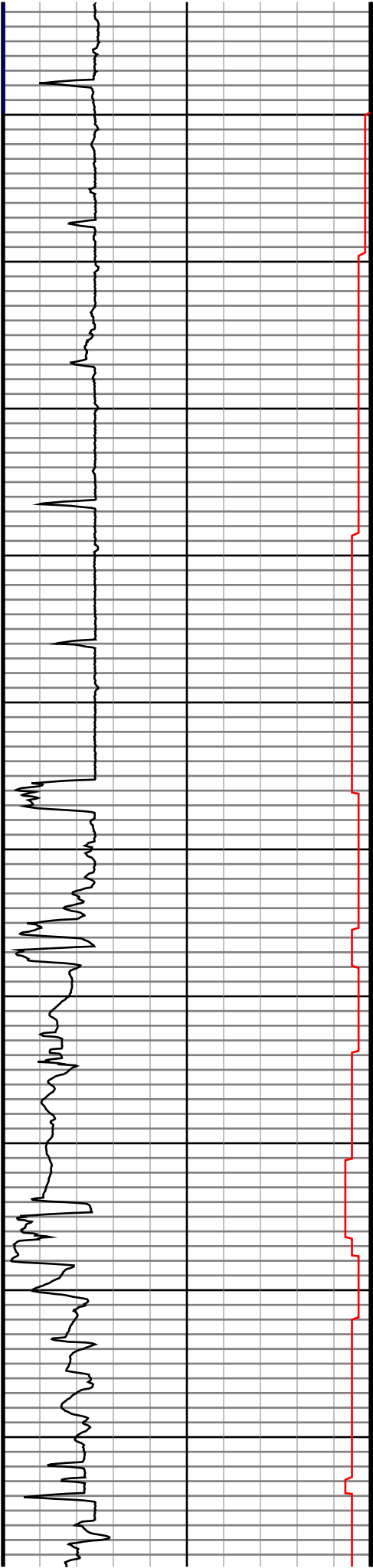
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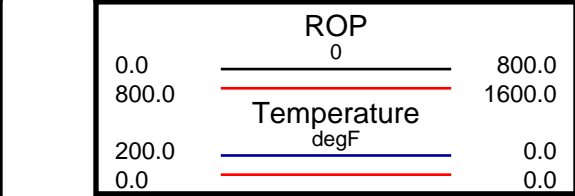
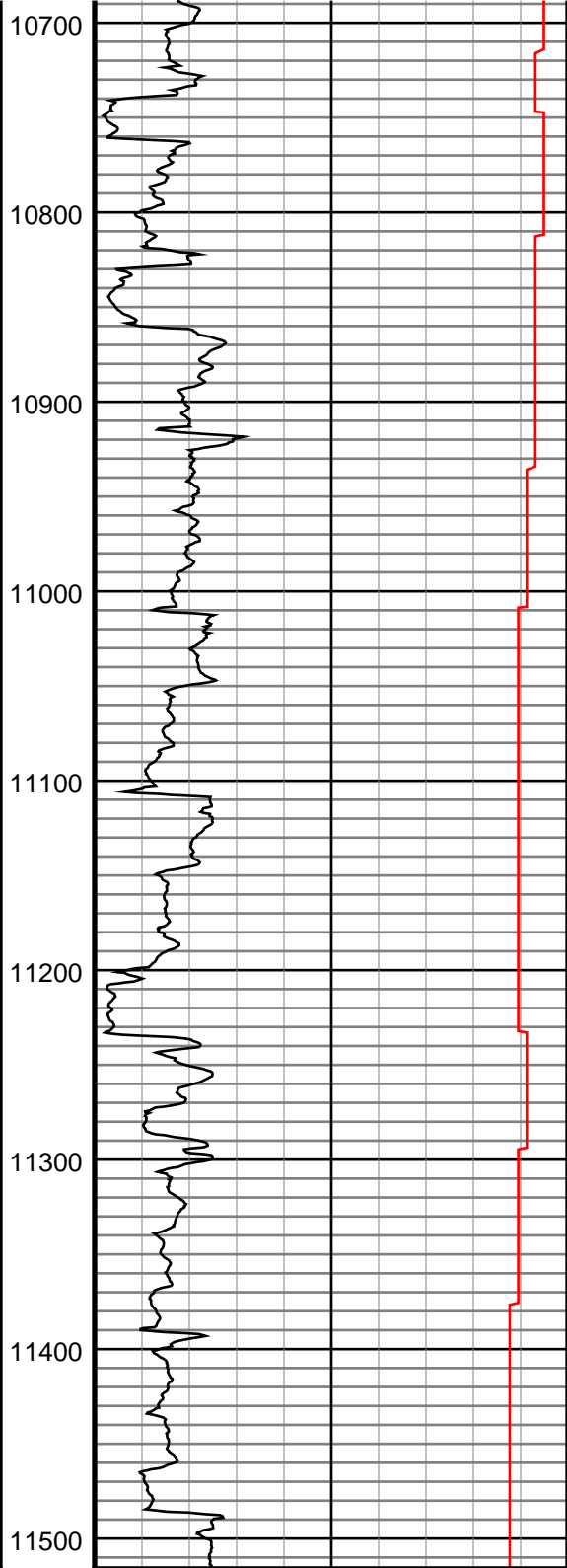
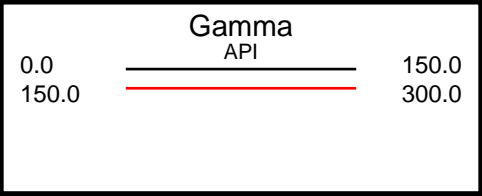
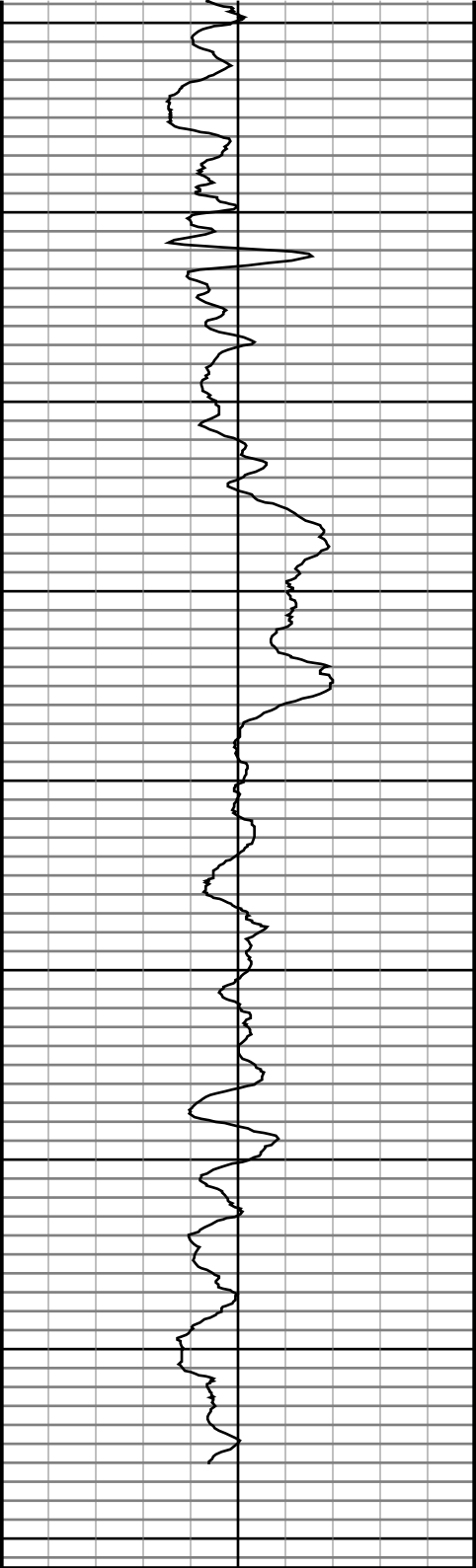
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#107 MD(9701.00) Inc(89.9) Azm(359.0) TVD(6861.93) VS(2764.97) NS(2765.01) EW(26.69) TEMP(129.2)
#108 MD(9796.00) Inc(90.2) Azm(359.0) TVD(6861.86) VS(2859.96) NS(2860.00) EW(24.98) TEMP(129.2)
#109 MD(9891.00) Inc(90.4) Azm(358.7) TVD(6861.35) VS(2954.94) NS(2954.97) EW(23.05) TEMP(129.2)
#110 MD(9986.00) Inc(90.6) Azm(359.6) TVD(6860.54) VS(3049.93) NS(3049.96) EW(21.64) TEMP(129.2)
#111 MD(10081.00) Inc(91.1) Azm(358.6) TVD(6859.16) VS(3144.91) NS(3144.94) EW(20.16) TEMP(129.2)
#112 MD(10176.00) Inc(91.2) Azm(358.2) TVD(6857.26) VS(3239.85) NS(3239.88) EW(17.51) TEMP(129.2)
#113 MD(10272.00) Inc(90.8) Azm(359.9) TVD(6855.56) VS(3335.82) NS(3335.85) EW(15.93) TEMP(129.2)
#114 MD(10367.00) Inc(91.3) Azm(358.9) TVD(6853.80) VS(3430.80) NS(3430.83) EW(14.97) TEMP(129.2)
#115 MD(10462.00) Inc(91.2) Azm(359.0) TVD(6851.75) VS(3525.77) NS(3525.79) EW(13.19) TEMP(129.2)
#116 MD(10557.00) Inc(90.5) Azm(359.5) TVD(6850.37) VS(3620.75) NS(3620.77) EW(11.92) TEMP(129.2)
#117 MD(10652.00) Inc(91.2) Azm(0.2) TVD(6848.98) VS(3715.74) NS(3715.76) EW(11.67) TEMP(129.2)



#118 MD(10747.00) Inc(90.7) Azm(359.5) TVD(6847.45) VS(3810.72) NS(3810.74) EW(11.43) TEMP(129.2)
#119 MD(10843.00) Inc(88.8) Azm(1.6) TVD(6847.90) VS(3906.71) NS(3906.73) EW(12.36) TEMP(129.2)
#120 MD(10938.00) Inc(88.6) Azm(0.6) TVD(6850.01) VS(4001.66) NS(4001.68) EW(14.22) TEMP(129.2)
#121 MD(11033.00) Inc(88.9) Azm(1.4) TVD(6852.05) VS(4096.62) NS(4096.65) EW(15.87) TEMP(129.2)
#122 MD(11128.00) Inc(89.5) Azm(0.4) TVD(6853.36) VS(4191.60) NS(4191.63) EW(17.30) TEMP(129.2)
#123 MD(11223.00) Inc(87.5) Azm(1.0) TVD(6855.84) VS(4286.55) NS(4286.58) EW(18.44) TEMP(129.2)
#124 MD(11318.00) Inc(87.7) Azm(0.4) TVD(6859.85) VS(4381.46) NS(4381.49) EW(19.57) TEMP(129.2)
#125 MD(11413.00) Inc(88.2) Azm(1.8) TVD(6863.27) VS(4476.37) NS(4476.41) EW(21.37) TEMP(129.2)
#126 MD(11444.00) Inc(88.3) Azm(1.1) TVD(6864.22) VS(4507.35) NS(4507.38) EW(22.15) TEMP(129.2)