



WELLS RANCH AA35-62-1HNA 1":100' MD

Company: NOBLE ENERGY

Well Name: WELLS RANCH AA35-62-1HNA

API: 05-123-38667

Rig Id: H&P 277

State: CO

County/Parish: WELD COUNTY

Country:

Survey Company: DRILTECH

Job number: 2014-161-IDDT-CO

RAYMOND HORTON MWD OPERATOR

JOSH CAYLOR MWD OPERATOR

Log measurements:

Depth measured from: 625

Maximum temperature: 216.7

Depth Date
Start: 625 ft 4/17/14
End: 10975 ft 4/22/14

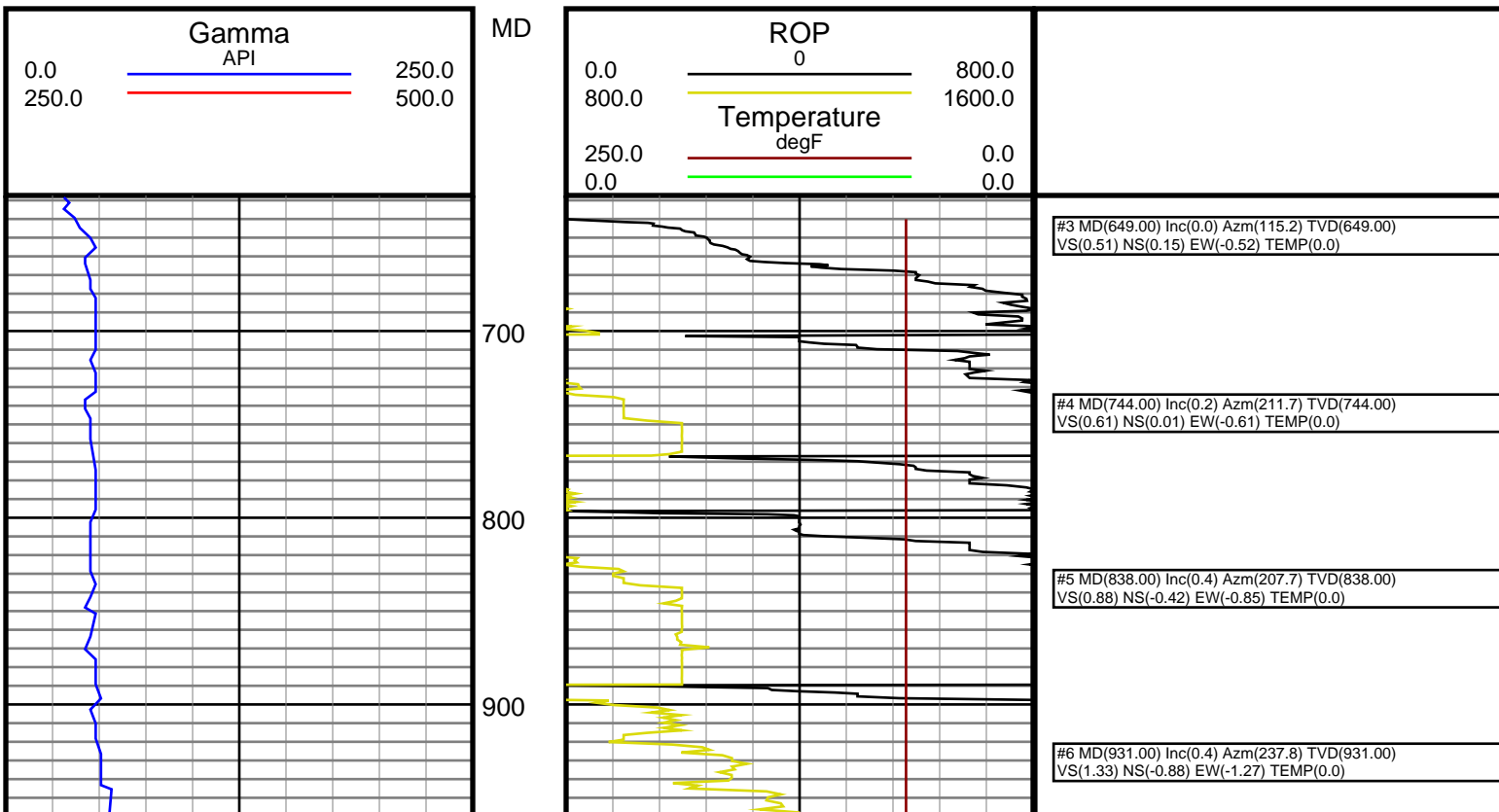
Casing Depth Size
Surface: 625 9.625
Intermediate: 6823 7.0

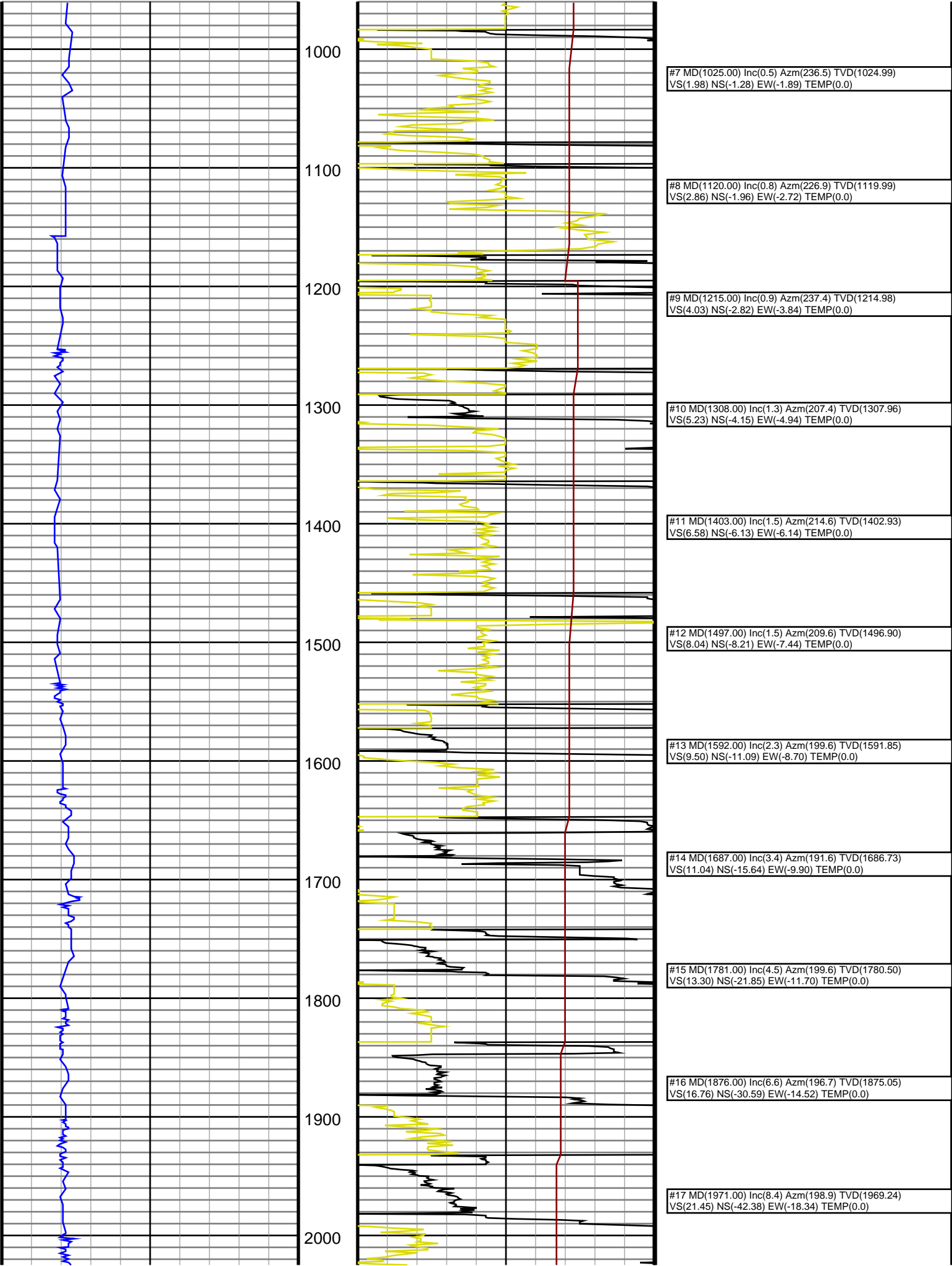
Mud Type: Water Base
Density: 9.2
Viscosity: 34
Rm: Rmf: Rmc:

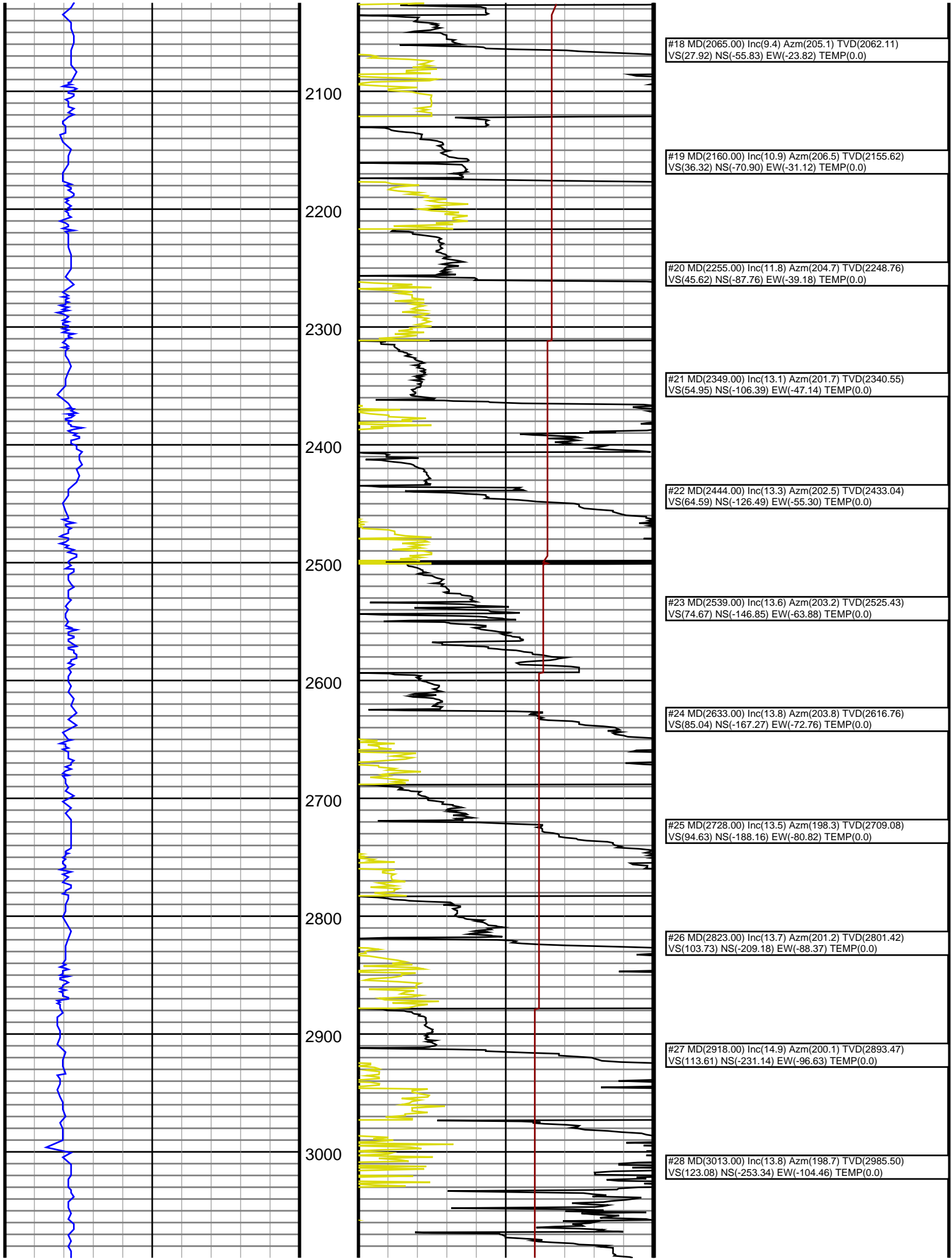
Elevations
KB: 24
GL: 4741
DF:

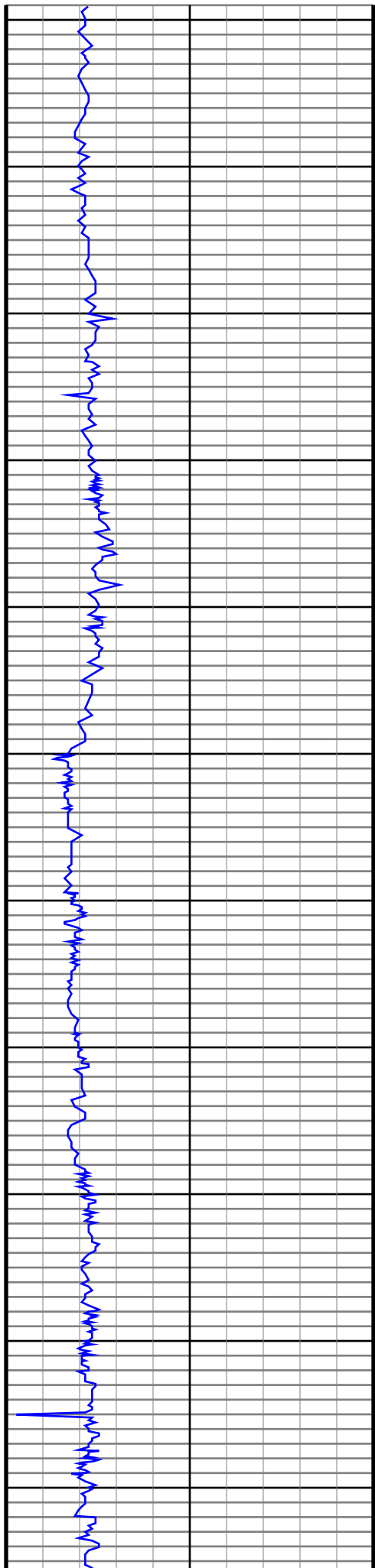
Run	Bit Size	Offsets	Gamma Survey	Start	End	Start	End	Dates
1	8 3/4	38.00	54.00	625	1195	4/17/14	4/17/14	
2	8 3/4	38.00	54.00	1195	5812	4/17/14	4/18/14	
3	8 3/4	48.00	65.00	5812	6833	4/18/14	4/20/14	
4	6 1/8	48.00	65.00	6833	10975	4/21/14	4/22/14	
5								
6								
7								
8								
9								
10								

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.









3100

3200

3300

3400

3500

3600

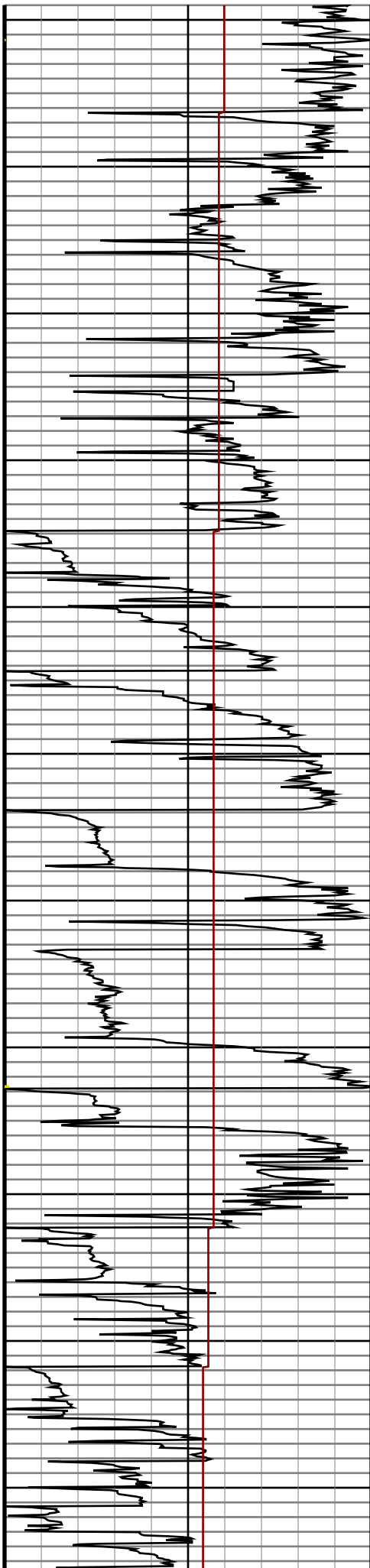
3700

3800

3900

4000

4100



#29 MD(3108.00) Inc(11.3) Azm(199.7) TVD(3078.23)
VS(131.29) NS(-272.84) EW(-111.23) TEMP(0.0)

#30 MD(3202.00) Inc(9.8) Azm(198.8) TVD(3170.64)
VS(138.16) NS(-289.08) EW(-116.92) TEMP(0.0)

#31 MD(3297.00) Inc(7.7) Azm(197.2) TVD(3264.53)
VS(143.67) NS(-302.82) EW(-121.40) TEMP(0.0)

#32 MD(3392.00) Inc(6.4) Azm(193.8) TVD(3358.81)
VS(147.64) NS(-314.04) EW(-124.55) TEMP(0.0)

#33 MD(3486.00) Inc(4.5) Azm(203.3) TVD(3452.38)
VS(150.97) NS(-322.52) EW(-127.26) TEMP(0.0)

#34 MD(3581.00) Inc(4.6) Azm(202.3) TVD(3547.08)
VS(154.40) NS(-329.46) EW(-130.18) TEMP(0.0)

#35 MD(3675.00) Inc(3.6) Azm(197.4) TVD(3640.84)
VS(157.18) NS(-335.77) EW(-132.49) TEMP(0.0)

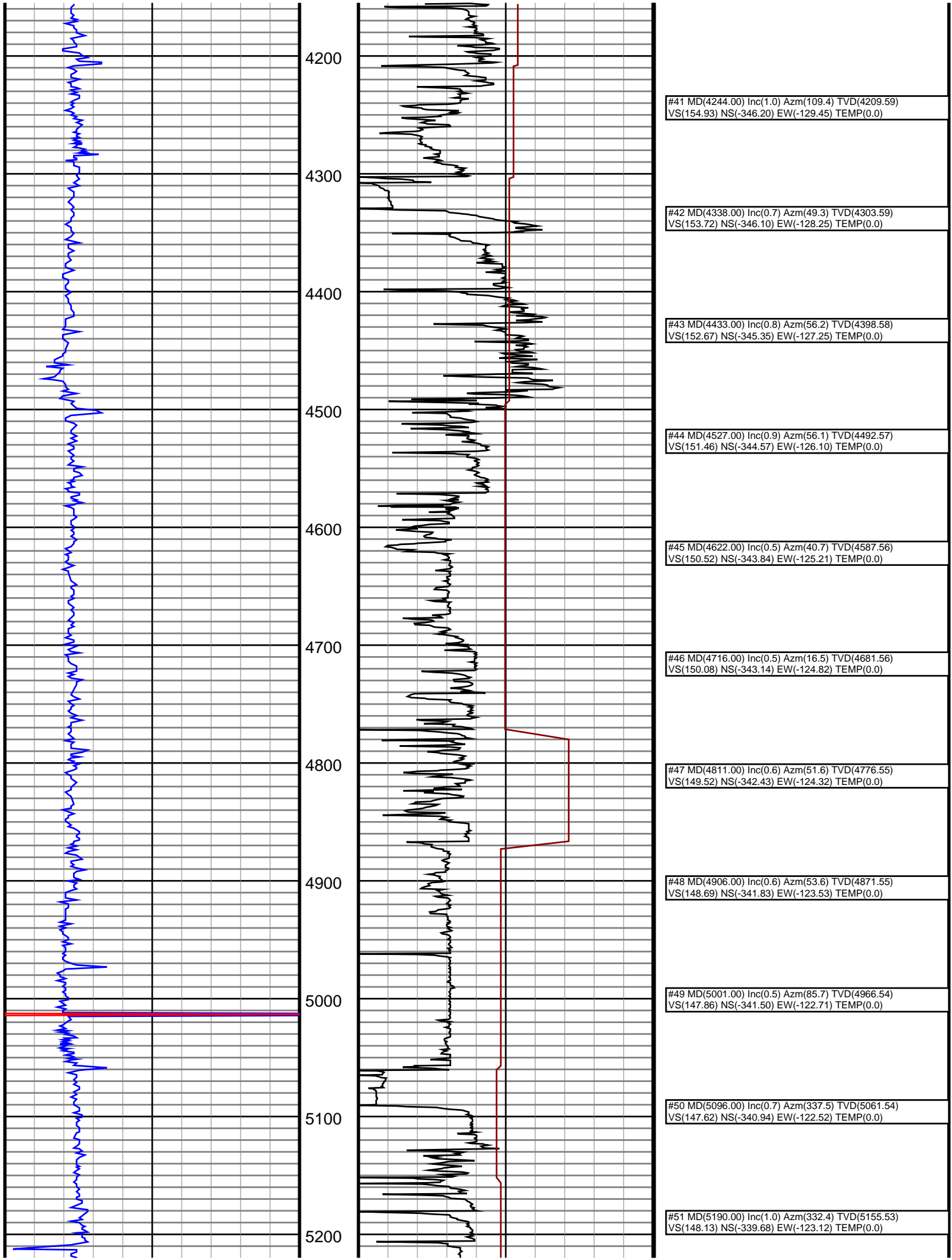
#36 MD(3770.00) Inc(2.4) Azm(188.8) TVD(3735.71)
VS(158.73) NS(-340.58) EW(-133.69) TEMP(0.0)

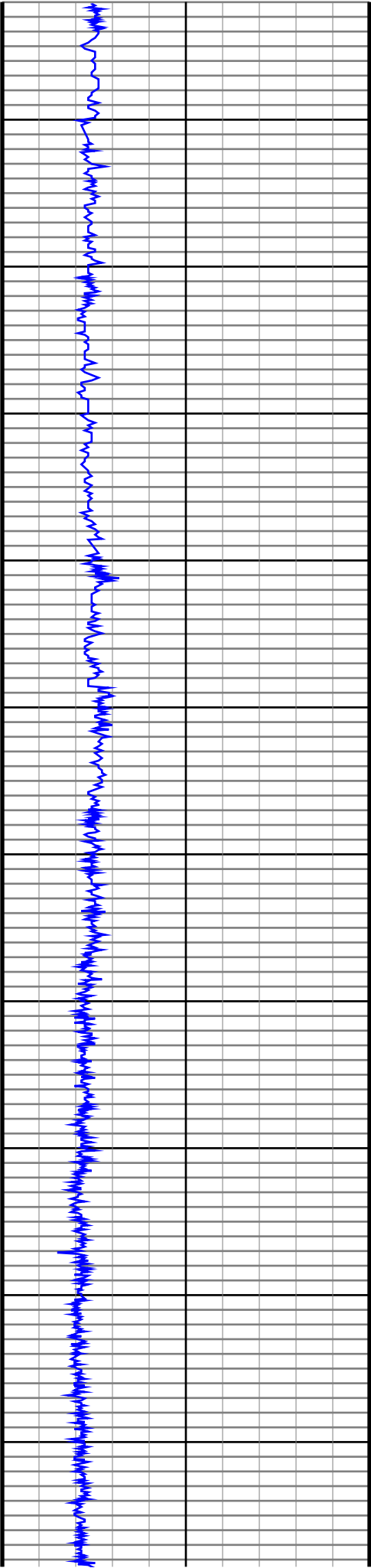
#37 MD(3865.00) Inc(1.4) Azm(178.9) TVD(3830.65)
VS(159.25) NS(-343.71) EW(-133.97) TEMP(0.0)

#38 MD(3959.00) Inc(0.9) Azm(157.2) TVD(3924.63)
VS(159.08) NS(-345.53) EW(-133.66) TEMP(0.0)

#39 MD(4054.00) Inc(0.8) Azm(107.1) TVD(4019.62)
VS(158.22) NS(-346.42) EW(-132.74) TEMP(0.0)

#40 MD(4149.00) Inc(1.2) Azm(69.8) TVD(4114.61)
VS(156.65) NS(-346.27) EW(-131.17) TEMP(0.0)





5300

5400

5500

5600

5700

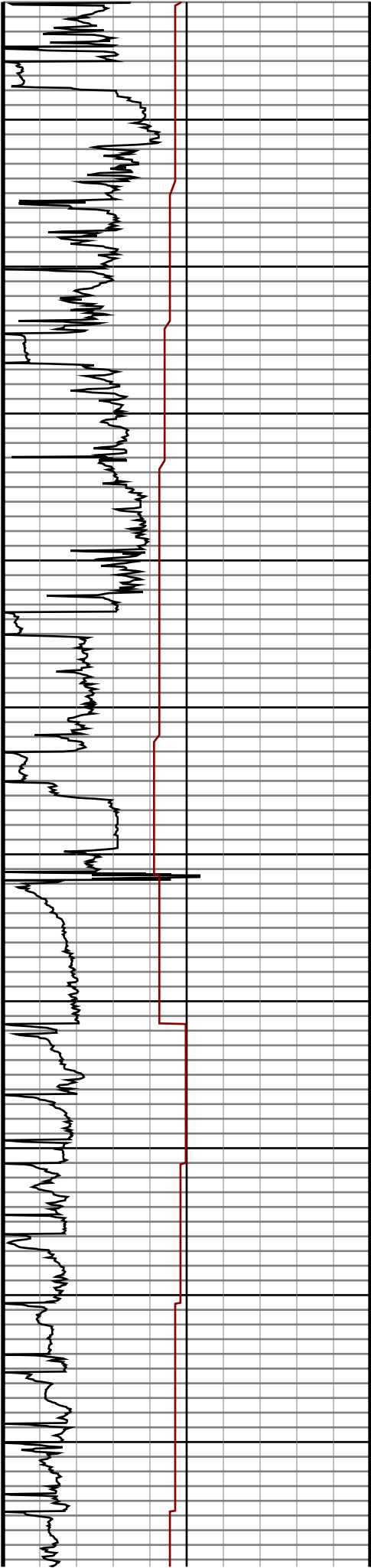
5800

5900

6000

6100

6200



#52 MD(5285.00) Inc(1.4) Azm(344.0) TVD(5250.51)
VS(148.69) NS(-337.83) EW(-123.82) TEMP(0.0)

#53 MD(5380.00) Inc(0.7) Azm(4.9) TVD(5345.49)
VS(148.83) NS(-336.13) EW(-124.09) TEMP(0.0)

#54 MD(5474.00) Inc(1.3) Azm(358.8) TVD(5439.48)
VS(148.69) NS(-334.50) EW(-124.07) TEMP(0.0)

#55 MD(5569.00) Inc(1.3) Azm(331.7) TVD(5534.45)
VS(149.07) NS(-332.47) EW(-124.60) TEMP(0.0)

#56 MD(5663.00) Inc(1.7) Azm(331.5) TVD(5628.42)
VS(150.07) NS(-330.31) EW(-125.77) TEMP(0.0)

#57 MD(5758.00) Inc(1.8) Azm(315.1) TVD(5723.38)
VS(151.62) NS(-328.01) EW(-127.50) TEMP(0.0)

#58 MD(5851.00) Inc(6.1) Azm(299.1) TVD(5816.14)
VS(156.70) NS(-324.57) EW(-132.85) TEMP(0.0)

#59 MD(5898.00) Inc(11.4) Azm(297.9) TVD(5862.57)
VS(162.72) NS(-321.18) EW(-139.14) TEMP(0.0)

#60 MD(5945.00) Inc(15.4) Azm(292.2) TVD(5908.29)
VS(172.24) NS(-316.65) EW(-149.03) TEMP(0.0)

#61 MD(5993.00) Inc(18.6) Azm(285.2) TVD(5954.19)
VS(185.17) NS(-312.23) EW(-162.32) TEMP(0.0)

#62 MD(6040.00) Inc(21.5) Azm(281.0) TVD(5998.34)
VS(200.55) NS(-308.62) EW(-178.01) TEMP(0.0)

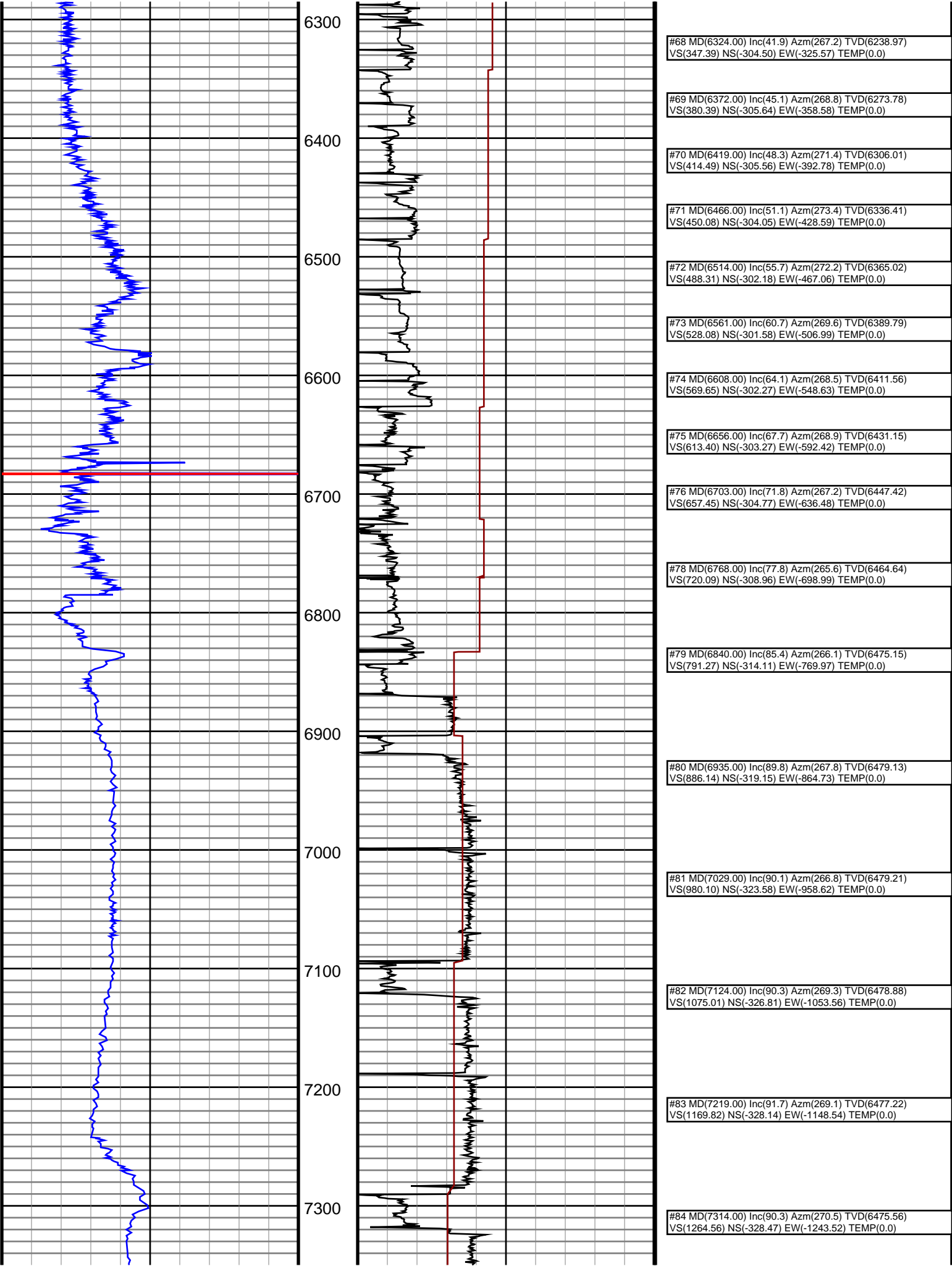
#63 MD(6087.00) Inc(24.5) Azm(276.3) TVD(6041.60)
VS(218.44) NS(-305.91) EW(-196.16) TEMP(0.0)

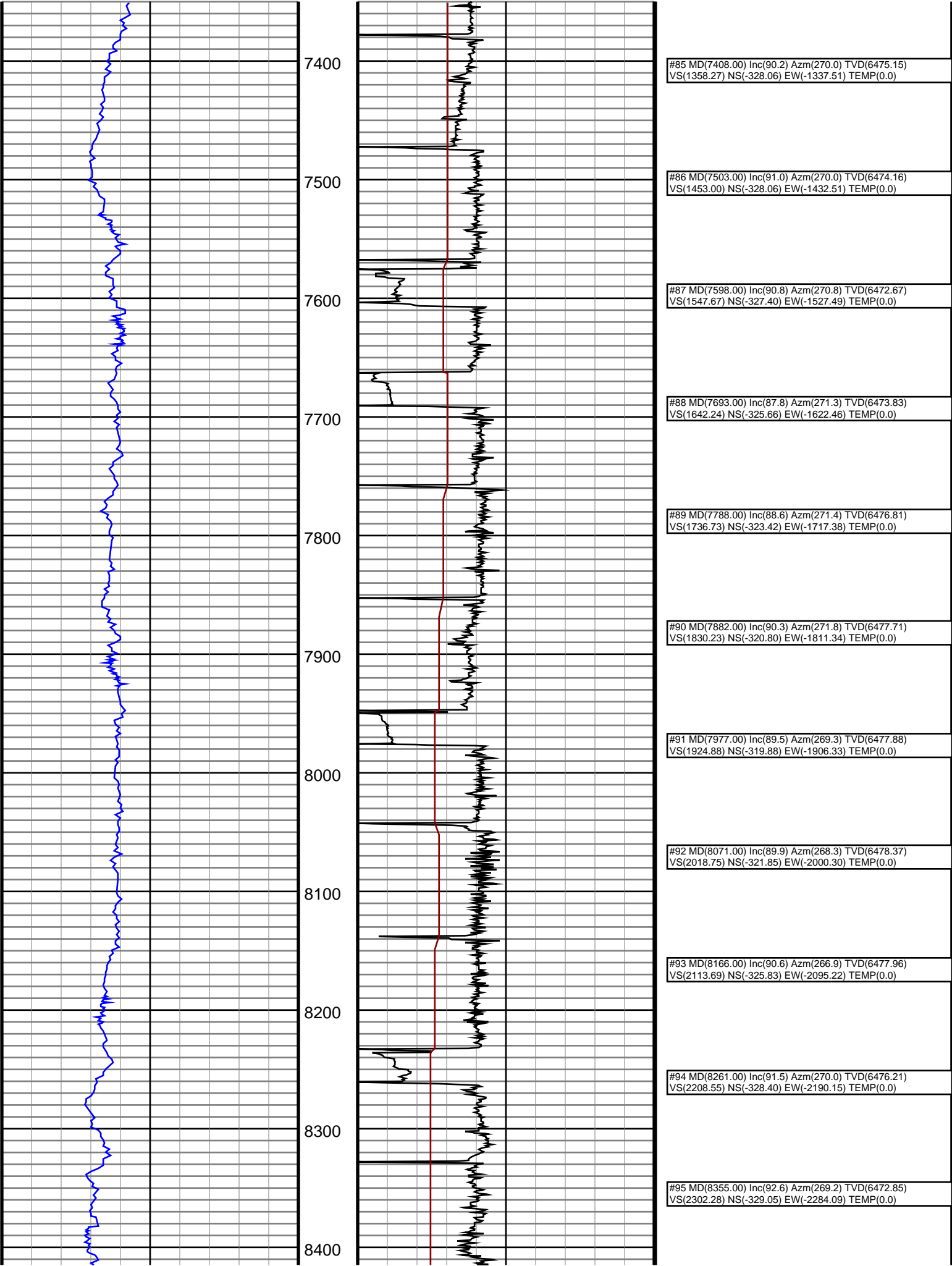
#64 MD(6135.00) Inc(28.5) Azm(274.1) TVD(6084.55)
VS(239.56) NS(-304.00) EW(-217.48) TEMP(0.0)

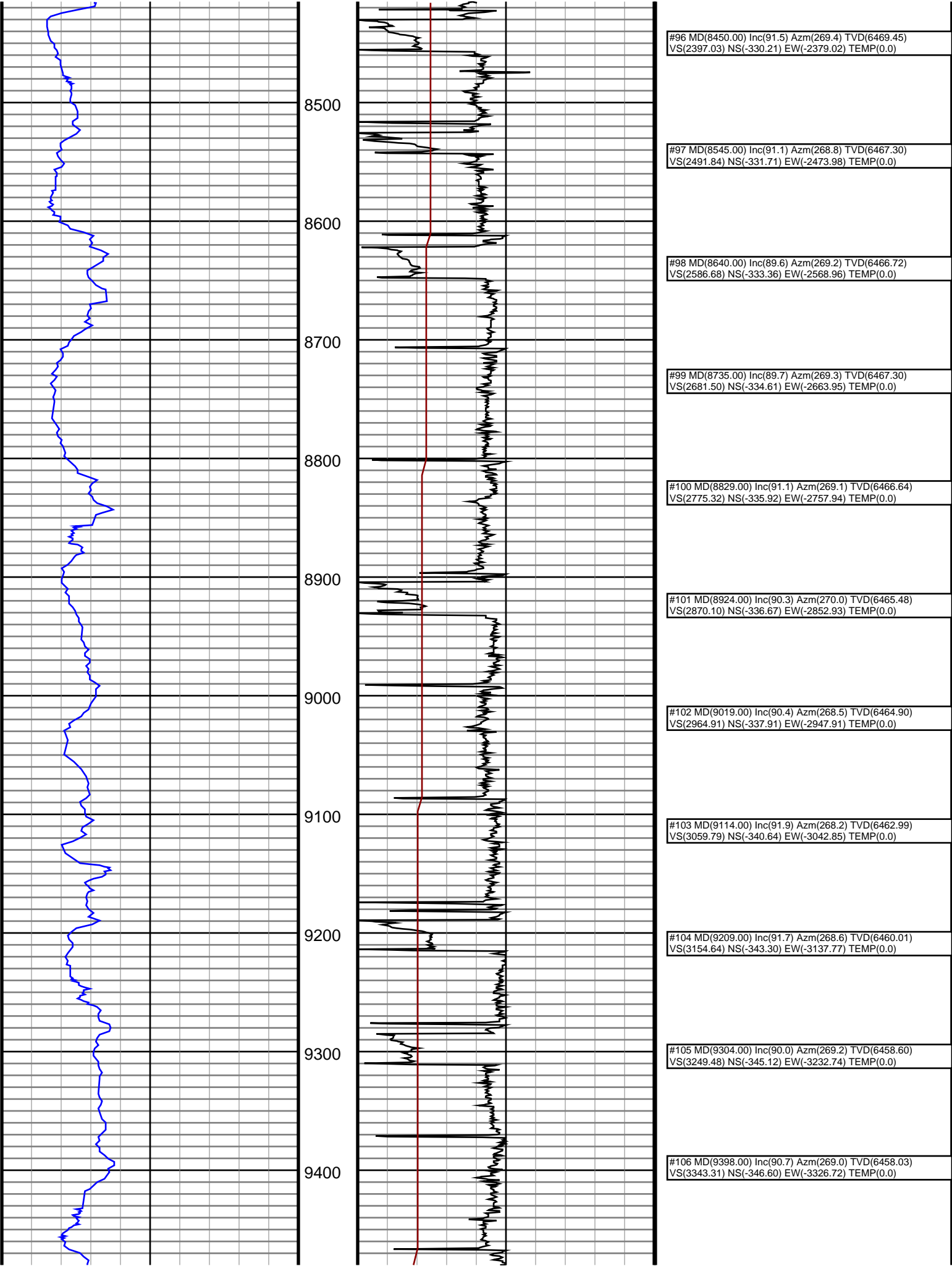
#65 MD(6182.00) Inc(31.3) Azm(271.4) TVD(6125.29)
VS(262.81) NS(-302.90) EW(-240.88) TEMP(0.0)

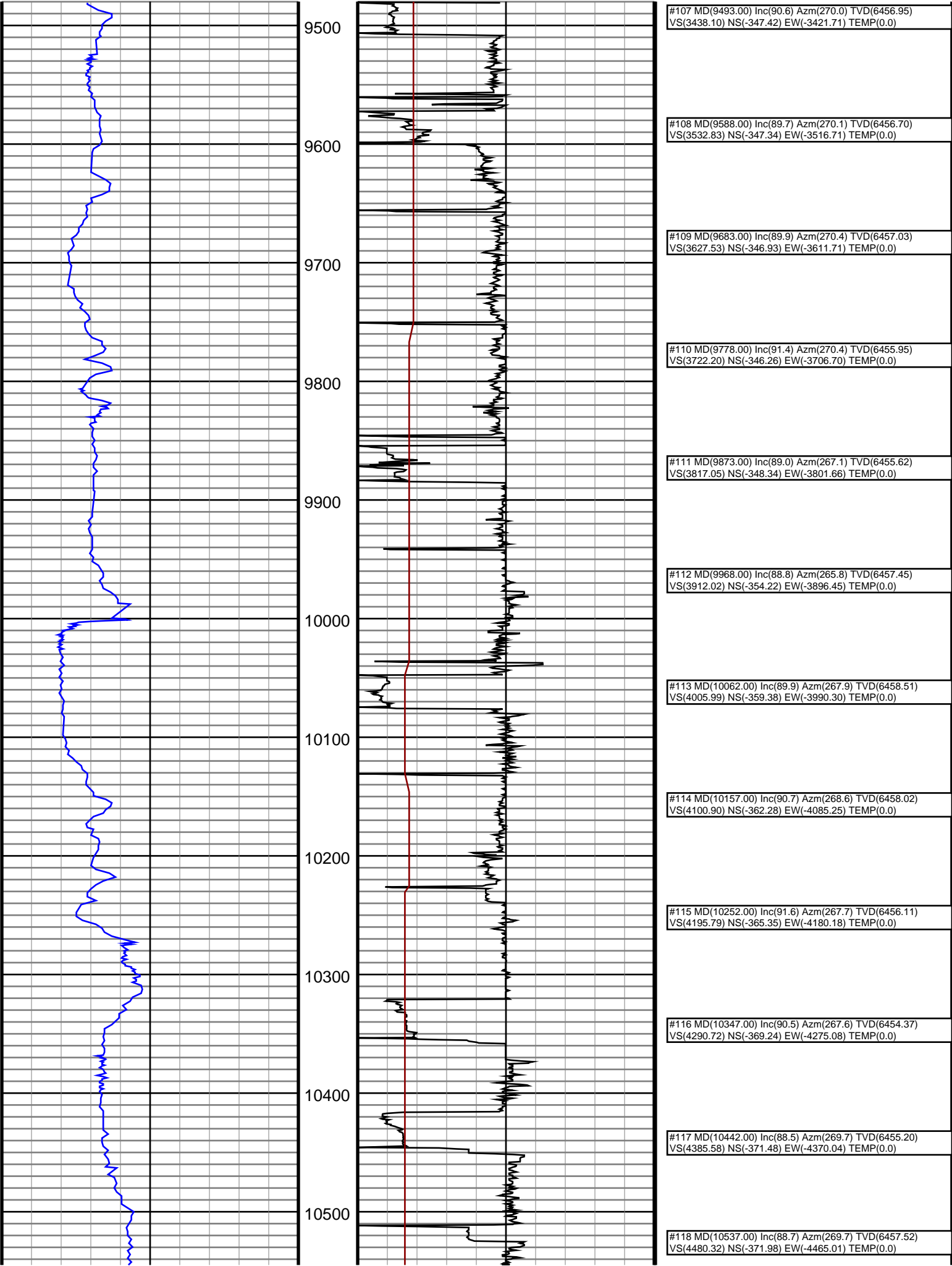
#66 MD(6229.00) Inc(34.6) Azm(269.9) TVD(6164.73)
VS(288.28) NS(-302.62) EW(-266.44) TEMP(0.0)

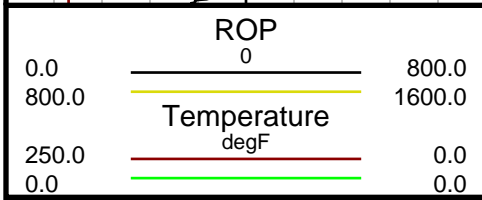
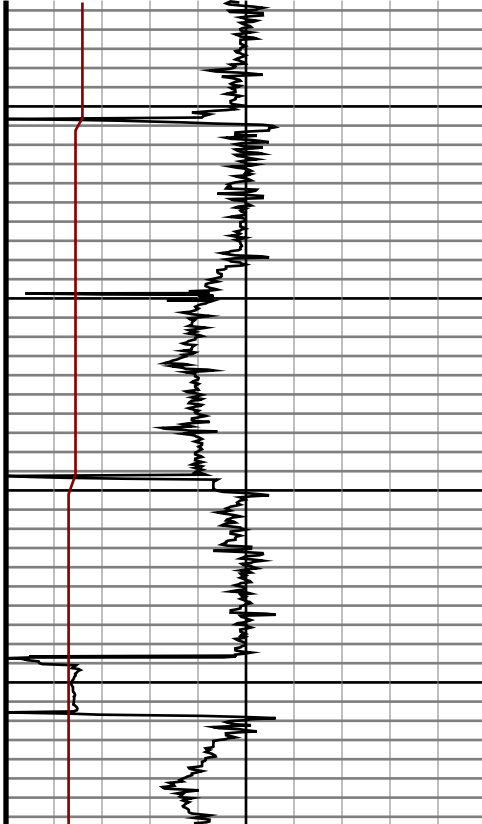
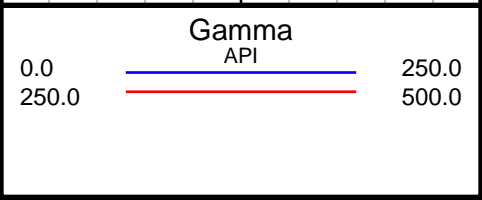
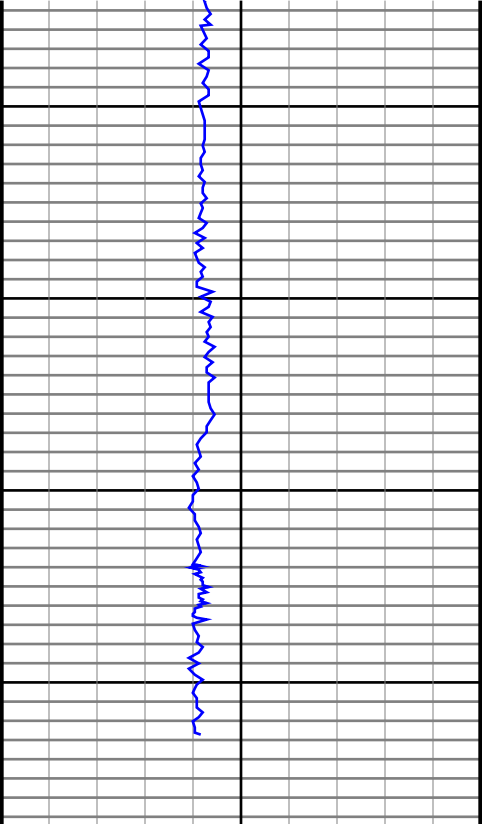
#67 MD(6277.00) Inc(38.9) Azm(267.9) TVD(6203.18)
VS(316.94) NS(-303.20) EW(-295.14) TEMP(0.0)











#119 MD(10631.00) Inc(89.3) Azm(270.0) TVD(6459.16)
VS(4574.06) NS(-372.22) EW(-4559.00) TEMP(0.0)

#120 MD(10726.00) Inc(89.3) Azm(269.9) TVD(6460.32)
VS(4668.80) NS(-372.31) EW(-4653.99) TEMP(0.0)

#121 MD(10820.00) Inc(90.7) Azm(270.5) TVD(6460.32)
VS(4762.51) NS(-371.98) EW(-4747.99) TEMP(0.0)

#122 MD(10910.00) Inc(87.3) Azm(270.2) TVD(6461.89)
VS(4852.19) NS(-371.43) EW(-4837.96) TEMP(0.0)