

# Resolute E25-63HC

**MD**  
1" : 100'

**Company:** Noble Energy Inc  
**Well Name:** Resolute E25-63HC

**API:** 05-123-38165

**Rig Id:** Precision 828

**State:** Colorado

**County/Parish:** Weld

**Country:** USA

**Survey Company:** Ensign Directional

**Job number:** 207-P828-31

**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:** 630 ft **5/19/2014**  
**End:** ft

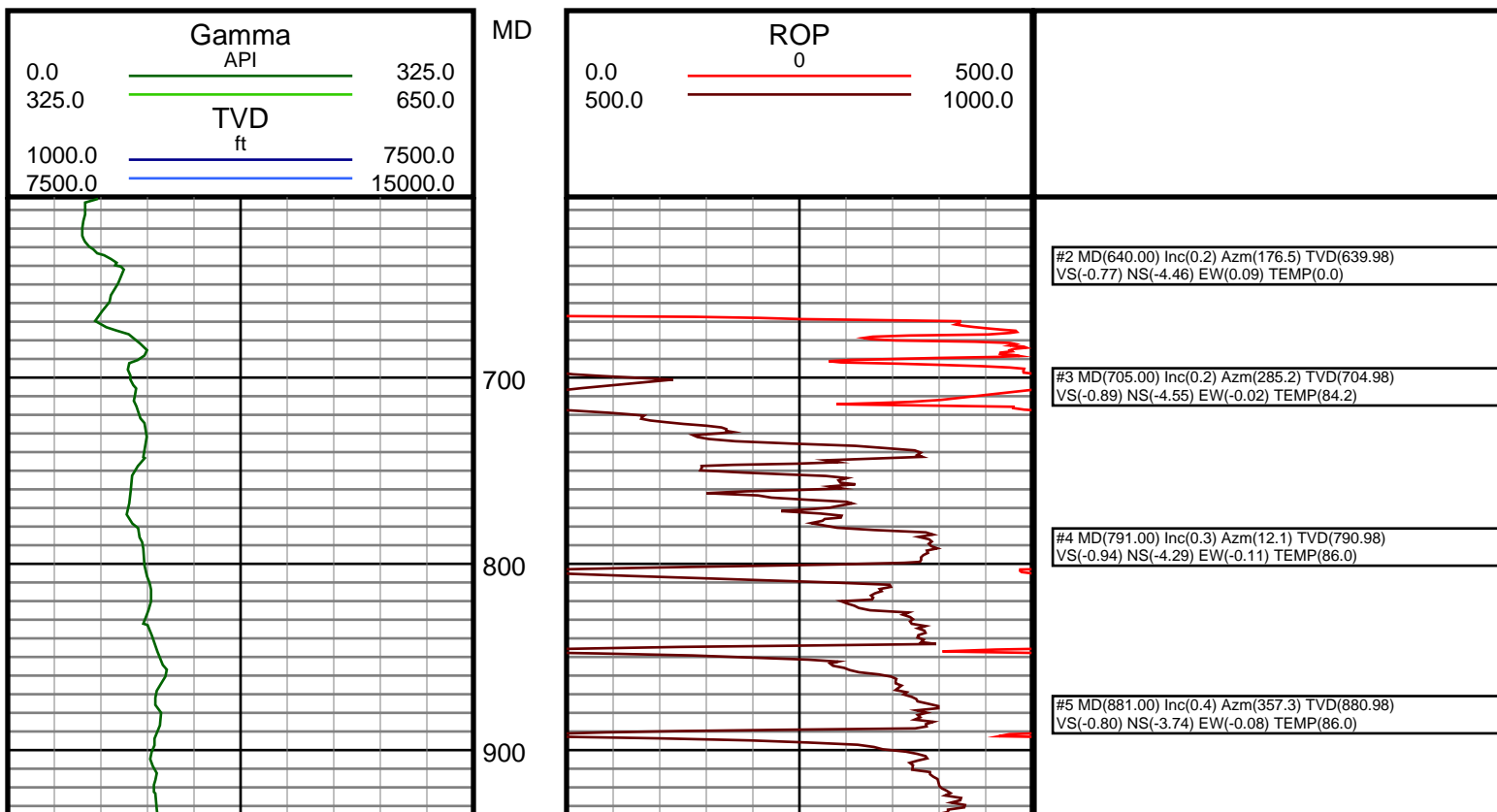
**Casing** **Depth** **Size**  
**Surface:** 630 9.625  
**Intermediate:** 7420 7

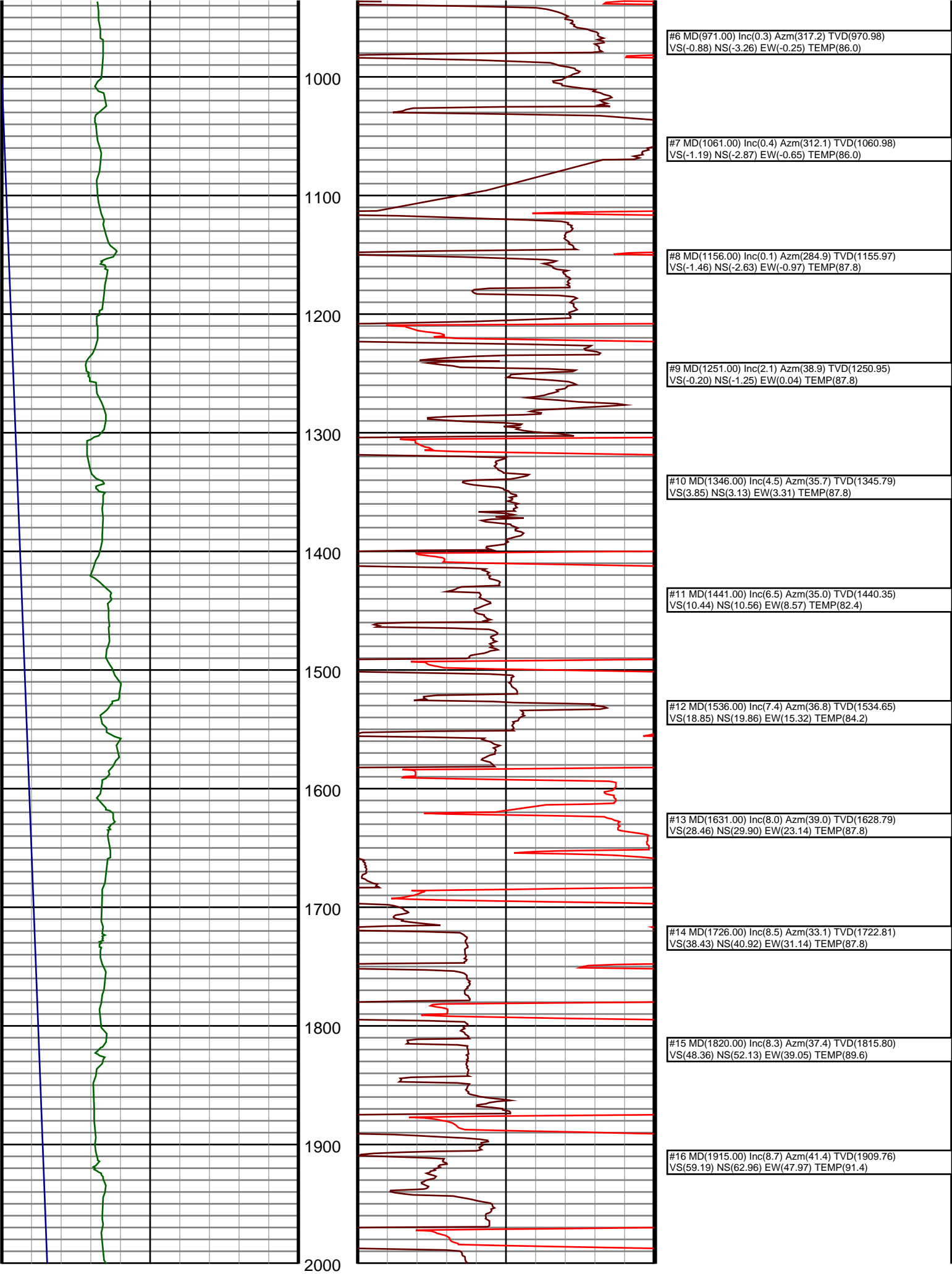
**Mud Type:** Water Based  
**Density:**  
**Viscosity:**  
**Rm:** **Rmf:** **Rmc:**

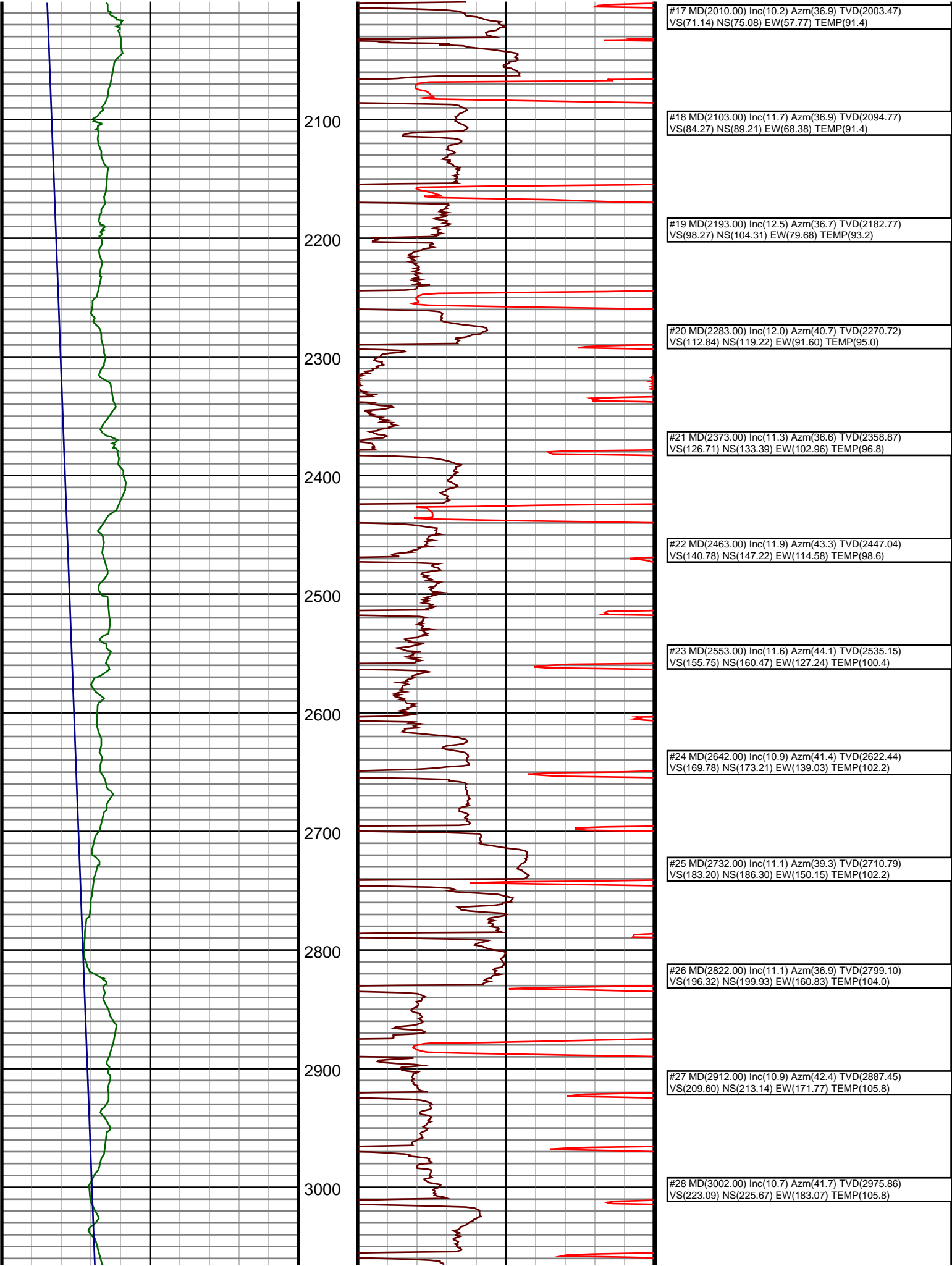
**Elevations**  
**KB:** 4692  
**GL:** 4676  
**DF:** 4692

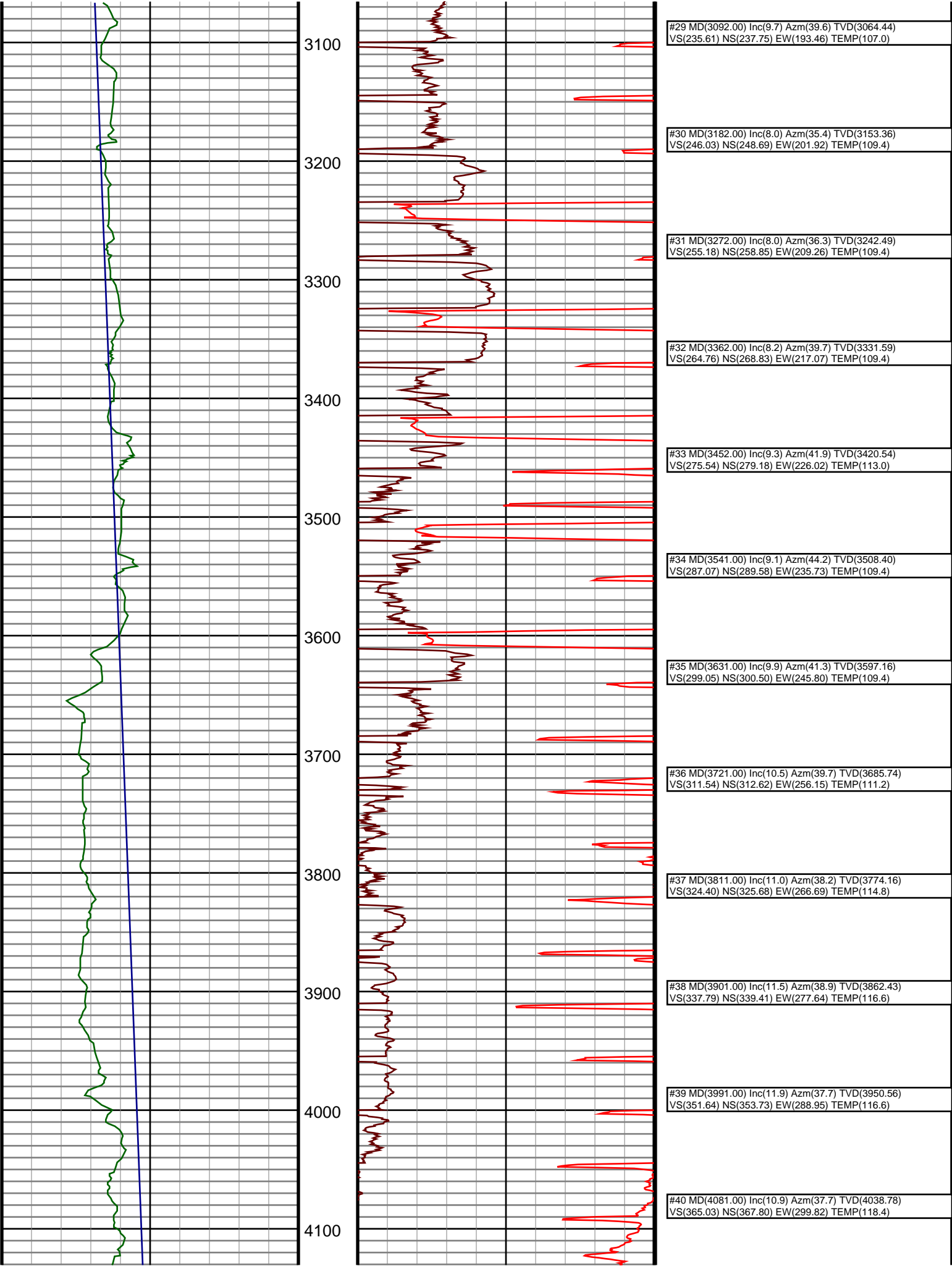
Run	Bit Size	Offsets	Gamma	Survey	Start	End	Start	End
1	8 3/4	56.23	51.23	630	7460	5/19/2014	5/22/14	
2	6 1/8	63.26	58.26	7460		5/23/2014		
3								
4								
5								
6								
7								
8								
9								
10								

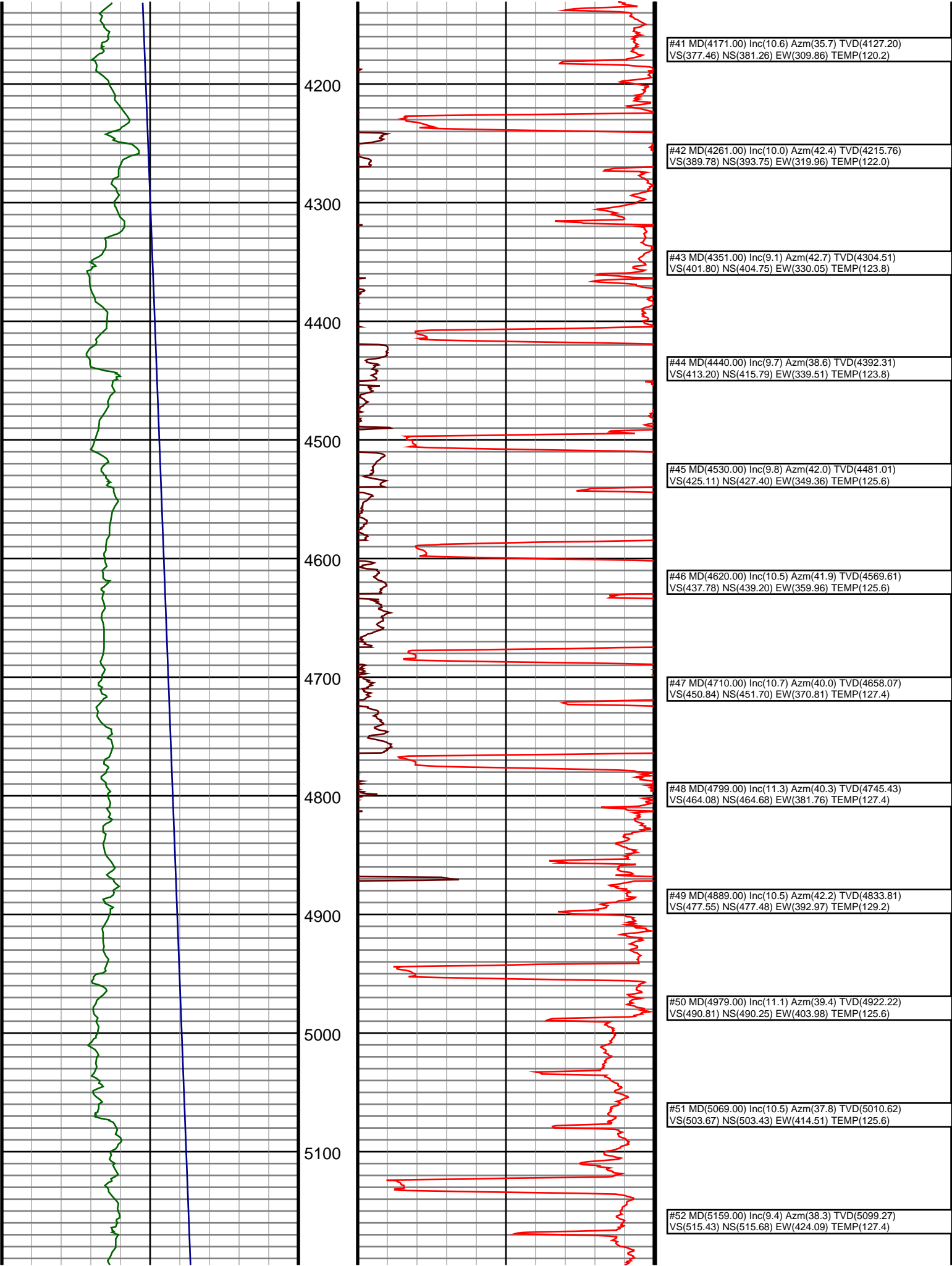
Ensign Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.

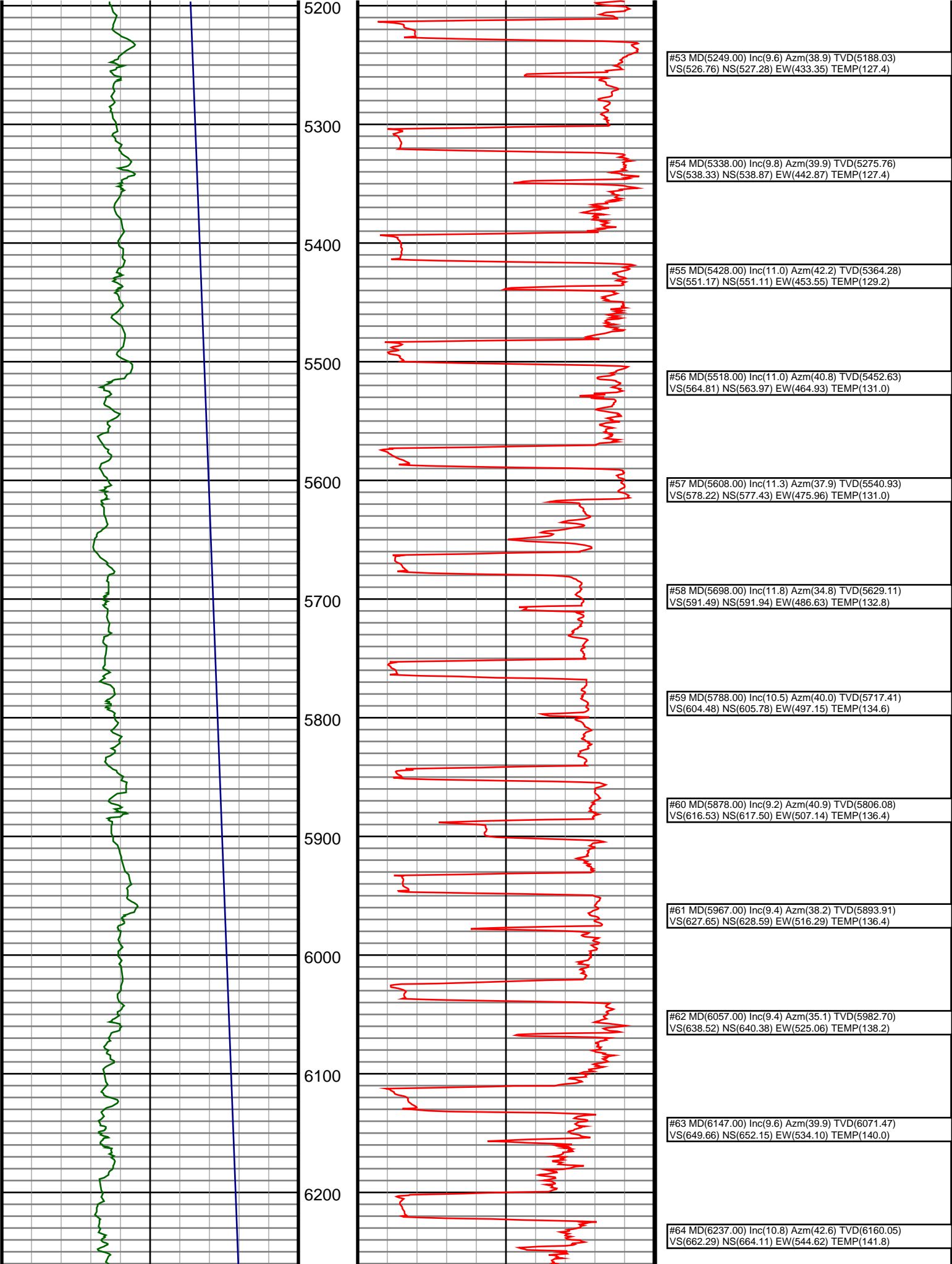


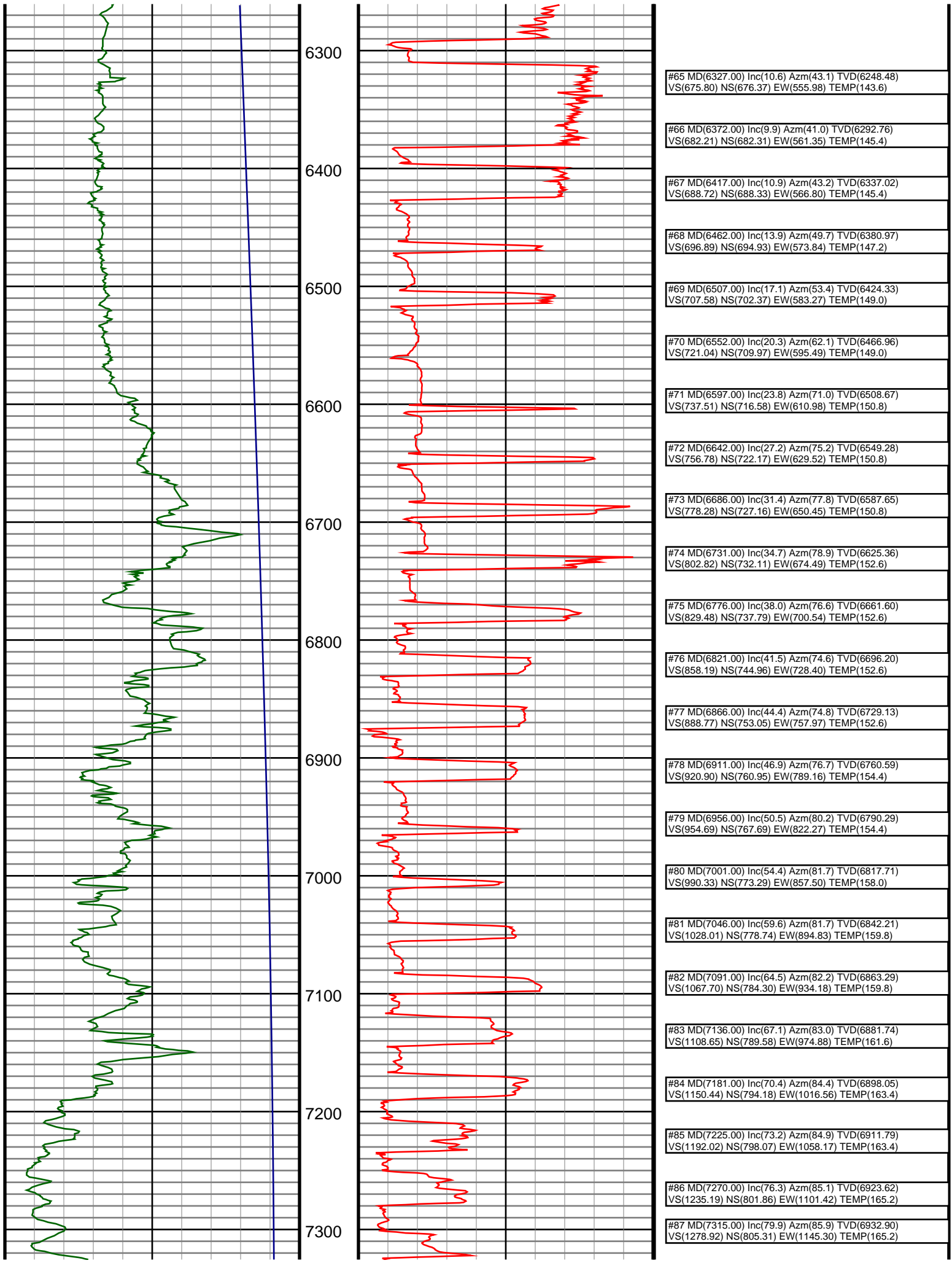


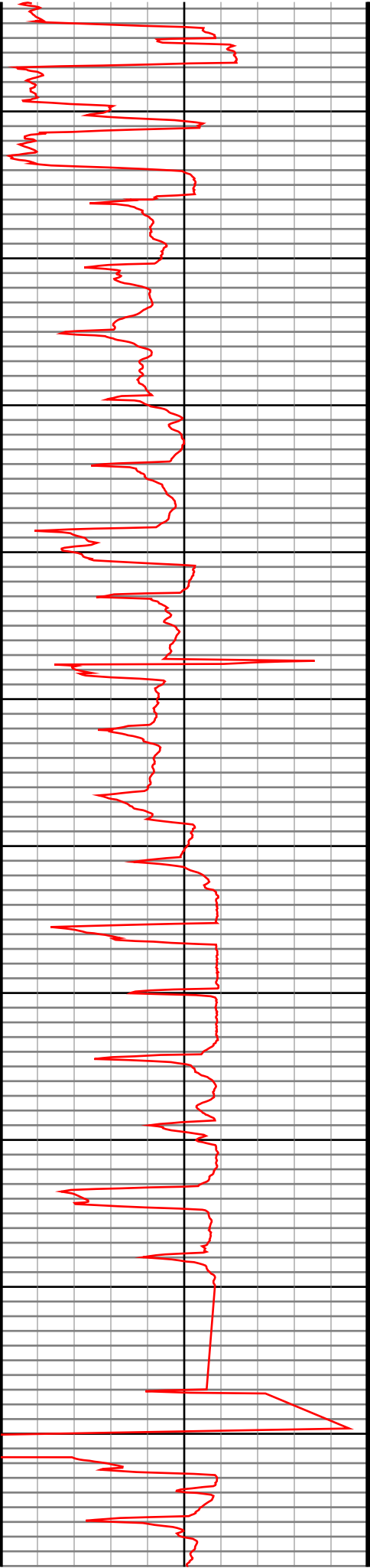
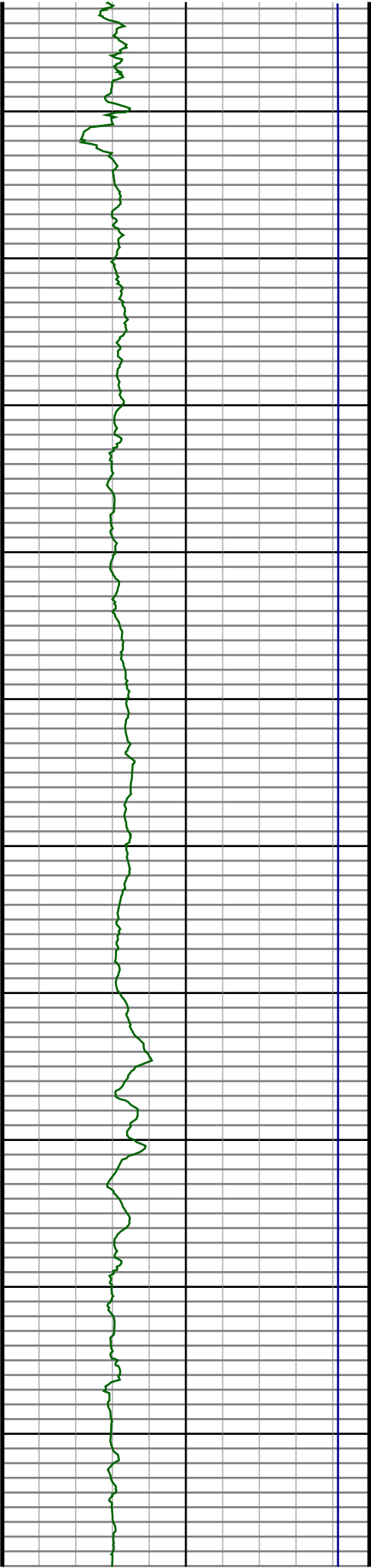












#88 MD(7360.00) Inc(81.9) Azm(86.4) TVD(6940.02)  
VS(1322.99) NS(808.29) EW(1189.64) TEMP(167.0)

#89 MD(7408.00) Inc(85.2) Azm(86.4) TVD(6945.41)  
VS(1370.28) NS(811.28) EW(1237.23) TEMP(167.0)

#90 MD(7443.00) Inc(89.0) Azm(87.0) TVD(6947.18)  
VS(1404.90) NS(813.30) EW(1272.12) TEMP(186.8)

#91 MD(7534.00) Inc(90.2) Azm(87.1) TVD(6947.81)  
VS(1494.98) NS(817.98) EW(1363.00) TEMP(185.0)

#92 MD(7624.00) Inc(90.9) Azm(87.0) TVD(6946.95)  
VS(1584.06) NS(822.61) EW(1452.87) TEMP(185.0)

#93 MD(7714.00) Inc(89.8) Azm(86.2) TVD(6946.40)  
VS(1673.25) NS(827.95) EW(1542.71) TEMP(183.2)

#94 MD(7804.00) Inc(90.4) Azm(87.8) TVD(6946.24)  
VS(1762.35) NS(832.66) EW(1632.58) TEMP(186.8)

#95 MD(7894.00) Inc(91.1) Azm(87.5) TVD(6945.07)  
VS(1851.29) NS(836.35) EW(1722.50) TEMP(185.0)

#96 MD(7983.00) Inc(90.0) Azm(87.1) TVD(6944.21)  
VS(1939.33) NS(840.54) EW(1811.40) TEMP(185.0)

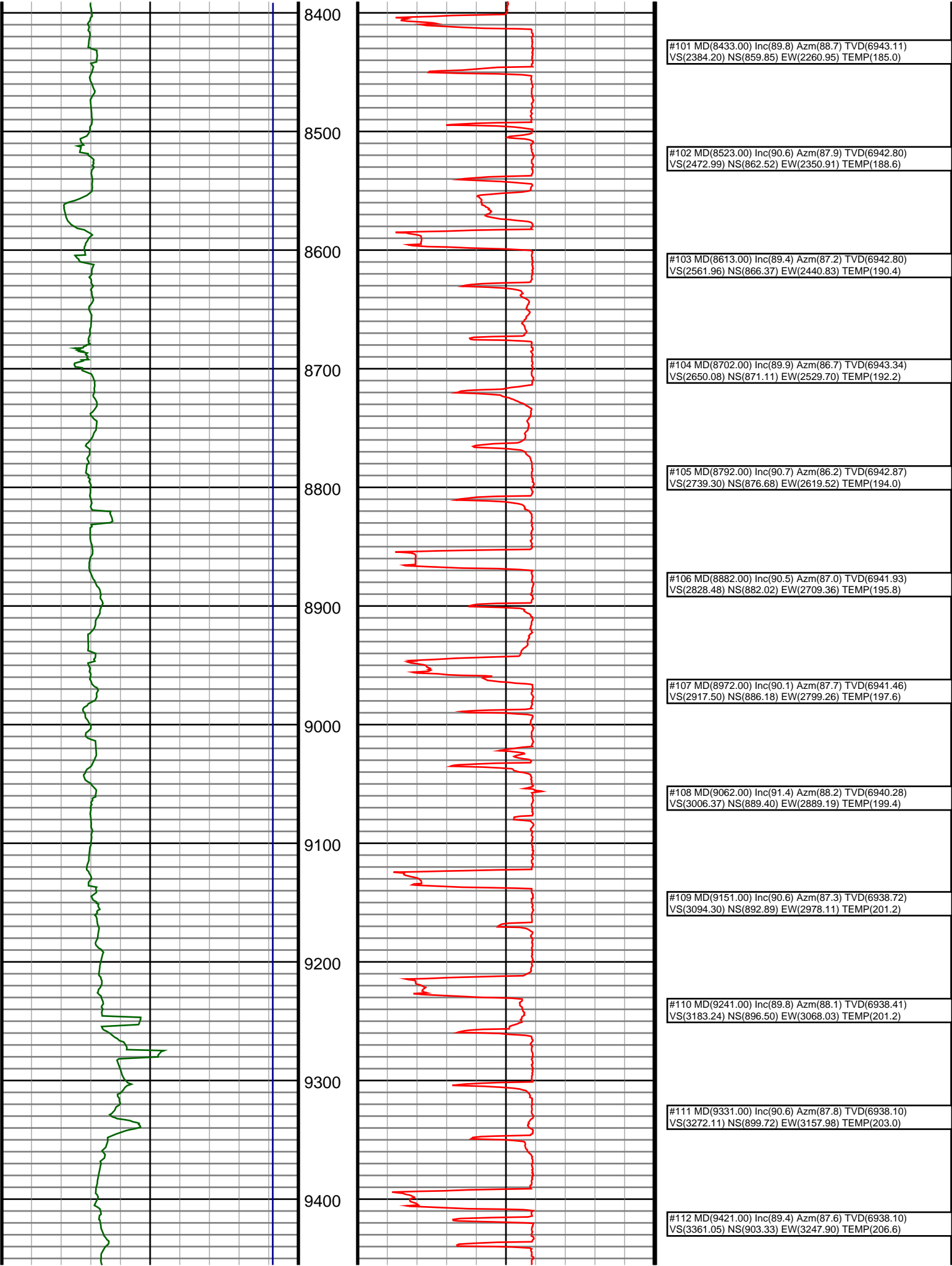
#97 MD(8073.00) Inc(90.4) Azm(86.7) TVD(6943.90)  
VS(2028.46) NS(845.41) EW(1901.26) TEMP(181.4)

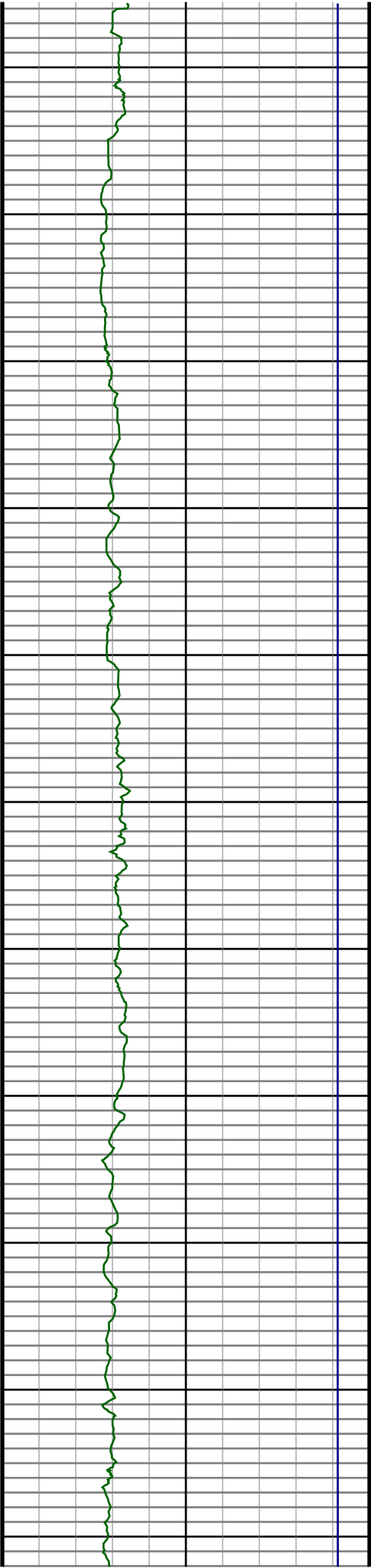
#98 MD(8163.00) Inc(89.6) Azm(87.4) TVD(6943.90)  
VS(2117.55) NS(850.04) EW(1991.14) TEMP(179.6)

#99 MD(8253.00) Inc(90.7) Azm(87.5) TVD(6943.66)  
VS(2206.54) NS(854.04) EW(2081.05) TEMP(181.4)

#100 MD(8343.00) Inc(90.1) Azm(88.2) TVD(6943.03)  
VS(2295.44) NS(857.42) EW(2170.99) TEMP(183.6)







9500

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9700

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10000

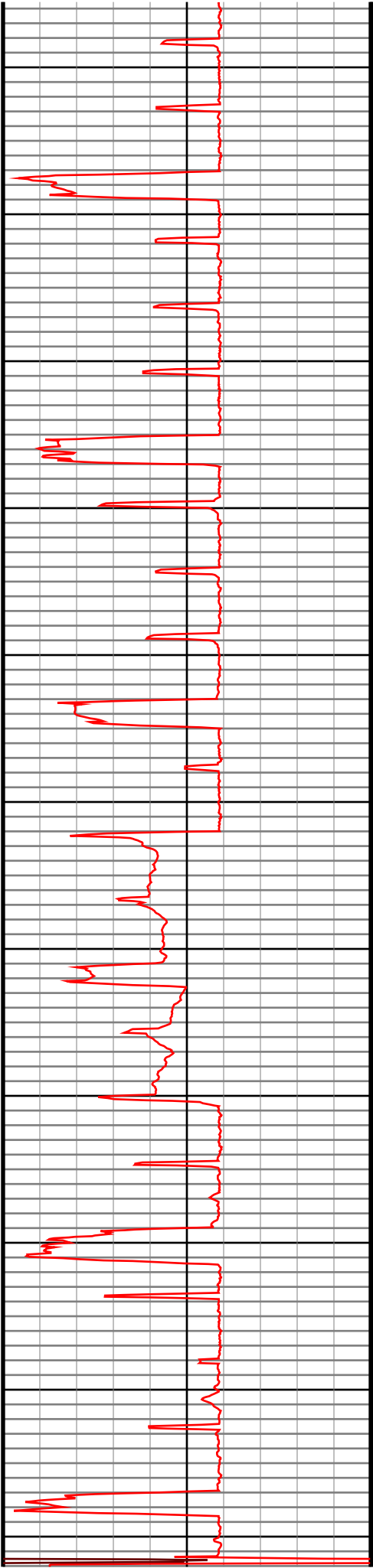
10100

10200

10300

10400

10500



#113 MD(9511.00) Inc(90.5) Azm(87.6) TVD(6938.18)  
VS(3450.02) NS(907.10) EW(3337.82) TEMP(206.6)

#114 MD(9601.00) Inc(89.4) Azm(87.6) TVD(6938.25)  
VS(3538.98) NS(910.87) EW(3427.74) TEMP(206.6)

#115 MD(9691.00) Inc(90.5) Azm(87.8) TVD(6938.33)  
VS(3627.92) NS(914.48) EW(3517.67) TEMP(207.0)

#116 MD(9781.00) Inc(89.6) Azm(87.3) TVD(6938.25)  
VS(3716.89) NS(918.33) EW(3607.58) TEMP(208.4)

#117 MD(9870.00) Inc(90.9) Azm(87.1) TVD(6937.87)  
VS(3804.96) NS(922.68) EW(3696.47) TEMP(210.2)

#118 MD(9960.00) Inc(89.3) Azm(86.9) TVD(6937.71)  
VS(3894.06) NS(927.39) EW(3786.35) TEMP(208.4)

#119 MD(10050.00) Inc(90.1) Azm(86.9) TVD(6938.18)  
VS(3983.18) NS(932.25) EW(3876.21) TEMP(210.2)

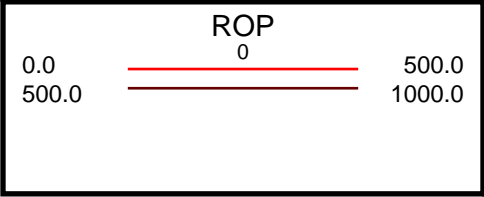
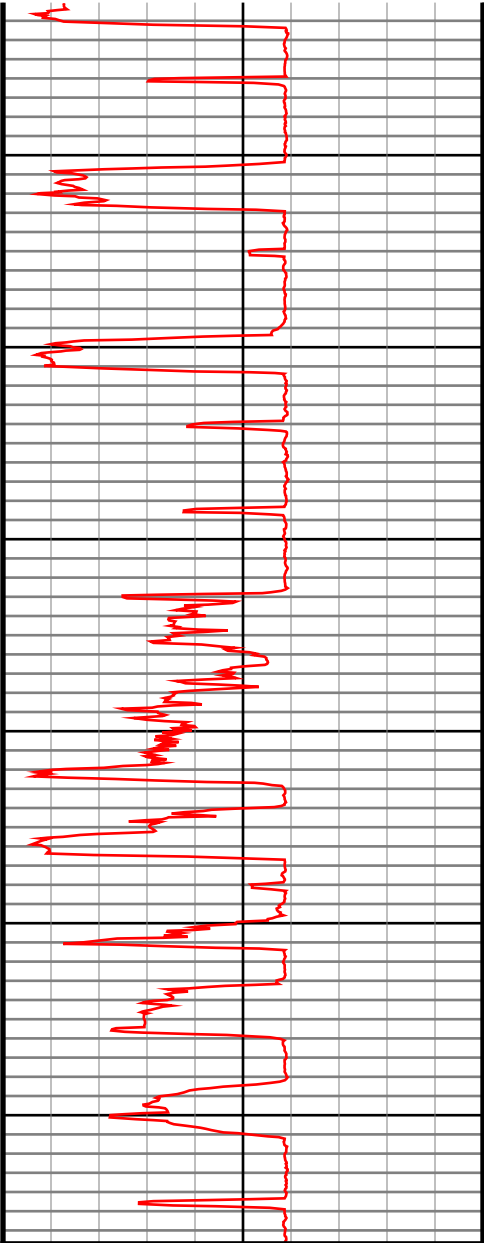
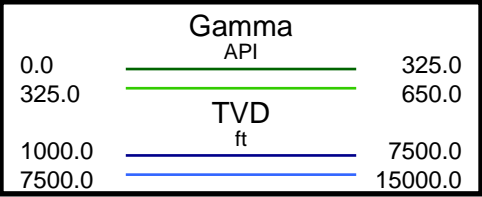
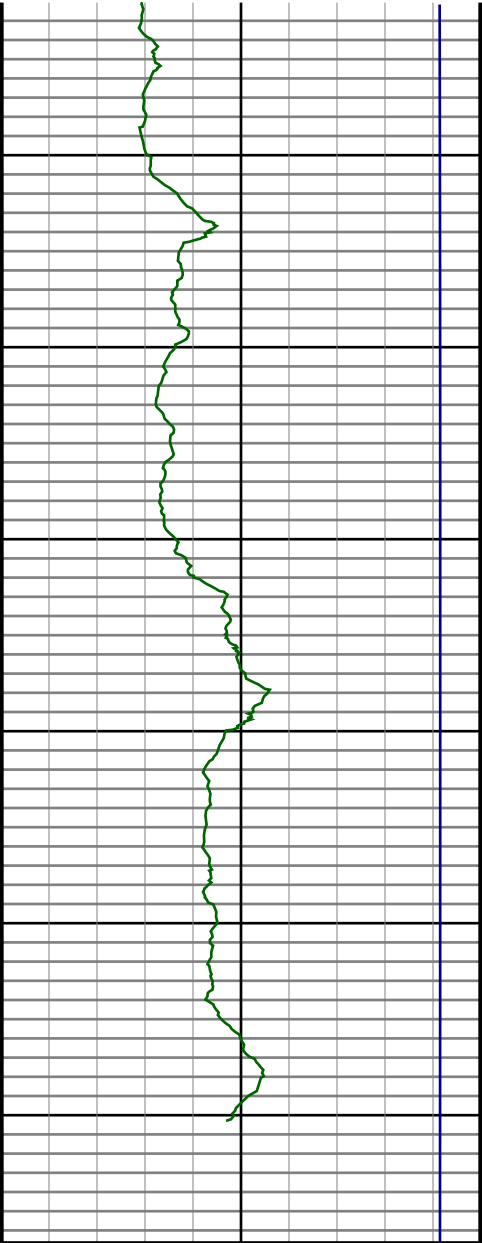
#120 MD(10140.00) Inc(90.1) Azm(88.0) TVD(6938.02)  
VS(4072.18) NS(936.26) EW(3966.12) TEMP(212.0)

#121 MD(10230.00) Inc(91.1) Azm(87.7) TVD(6937.08)  
VS(4161.08) NS(939.63) EW(4056.05) TEMP(212.0)

#122 MD(10320.00) Inc(89.2) Azm(87.3) TVD(6936.84)  
VS(4250.06) NS(943.56) EW(4145.96) TEMP(212.0)

#123 MD(10410.00) Inc(89.7) Azm(86.2) TVD(6937.71)  
VS(4339.21) NS(948.66) EW(4235.81) TEMP(213.8)

#124 MD(10500.00) Inc(88.1) Azm(85.3) TVD(6939.44)  
VS(4428.55) NS(955.33) EW(4325.55) TEMP(212.0)



#125 MD(10590.00) Inc(87.4) Azm(86.5) TVD(6942.97)  
VS(4517.81) NS(961.76) EW(4415.24) TEMP(213.8)

#126 MD(10679.00) Inc(88.4) Azm(88.8) TVD(6946.23)  
VS(4605.70) NS(965.41) EW(4504.10) TEMP(215.6)

#127 MD(10769.00) Inc(89.9) Azm(89.0) TVD(6947.57)  
VS(4694.32) NS(967.13) EW(4594.07) TEMP(217.4)

#128 MD(10859.00) Inc(89.9) Azm(88.4) TVD(6947.72)  
VS(4783.01) NS(969.18) EW(4684.05) TEMP(221.0)

#129 MD(10949.00) Inc(90.2) Azm(88.3) TVD(6947.64)  
VS(4871.79) NS(971.77) EW(4774.01) TEMP(219.2)

#130 MD(11039.00) Inc(90.9) Azm(88.2) TVD(6946.78)  
VS(4960.59) NS(974.52) EW(4863.96) TEMP(167.0)

#131 MD(11106.00) Inc(91.2) Azm(87.6) TVD(6945.55)  
VS(5026.75) NS(976.97) EW(4930.91) TEMP(222.8)

#132 MD(11166.00) Inc(91.2) Azm(87.6) TVD(6944.30)  
VS(5096.95) NS(979.48) EW(4999.84) TEMP(223.8)