Precision
Directional Services

Horsetail 08D-1734

TVD
5":100'

Company: Whiting Petroleum Corp.
Well Name: Horsetail 08D-1734
API: 05-123-41445-00
County/Parish: Weld County
State: Colorado
Country: USA
Job number: GC-160034
Field: DJ Basin
Rig Id: Unit 409
Survey Company: Precision Directional Services, Inc.

Log measurements: GR, ROP
Depth measured from:
Maximum temperature: 233

	Depth	Date
Start:	0 ft	4/26/16
End:	16165 ft	4/30/16

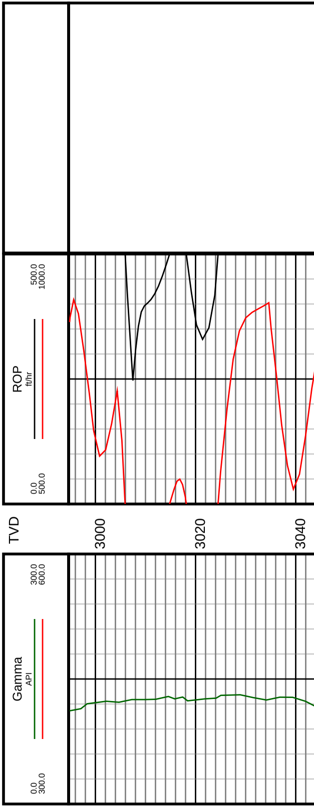
Casing	Depth	Size
Surface:	2015 ft	9 5/8"
Intermediate:	16165 ft	5 1/2"

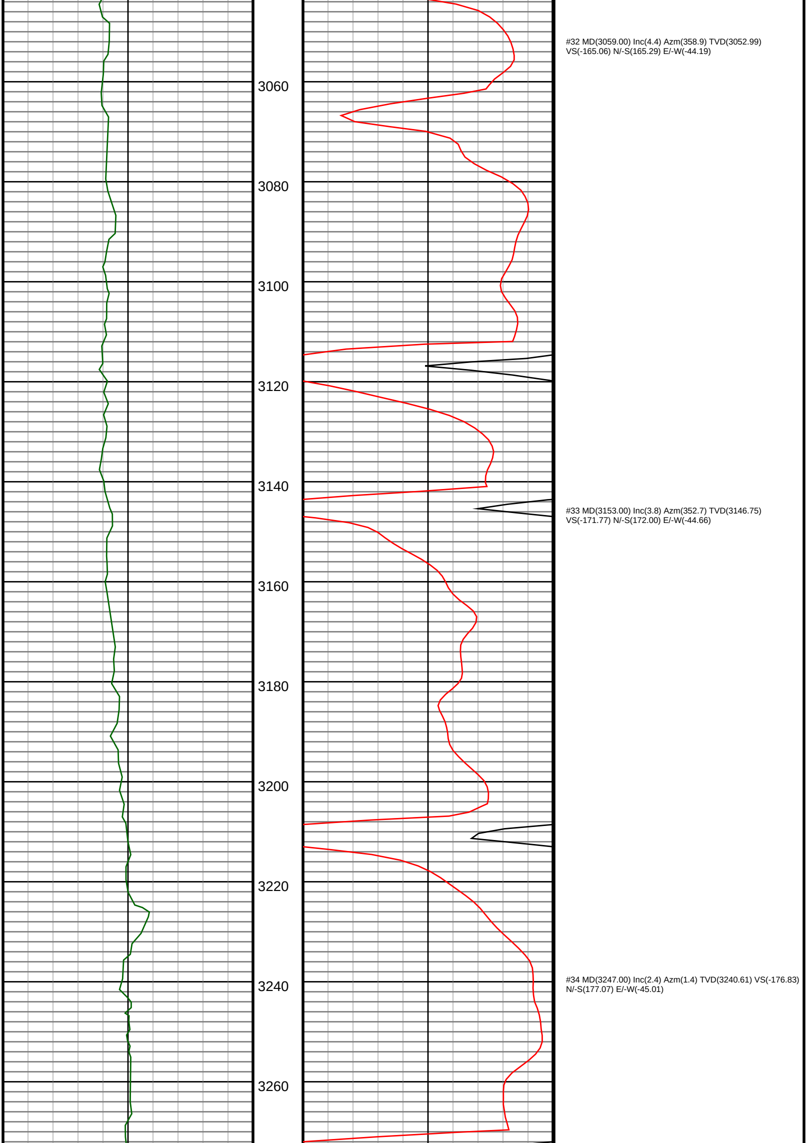
Mud Type: WBM
Density: 10.5
Viscosity: 40
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4978.7 ft
GL: 4957.7 ft
DF: 21 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	13 1/2"		57.00 ft	0 ft	2015 ft	4/26/16	4/26/16
2	8 1/2"	45.00 ft	58.00 ft	2015 ft	16165 ft	4/26/16	4/30/16
3							
4							
5							
6							
7							
8							
9							
10							

Precision Directional Services, Inc. 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.

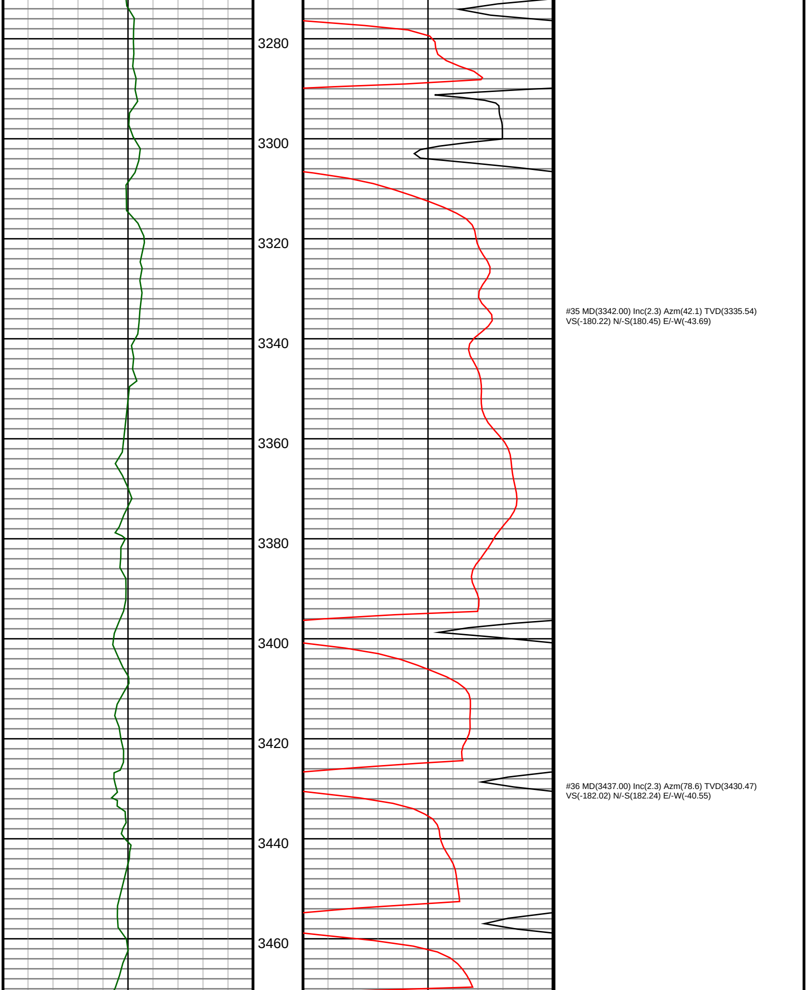




#32 MD(3059.00) Inc(4.4) Azm(358.9) TVD(3052.99)
VS(-165.06) N/-S(165.29) E/-W(-44.19)

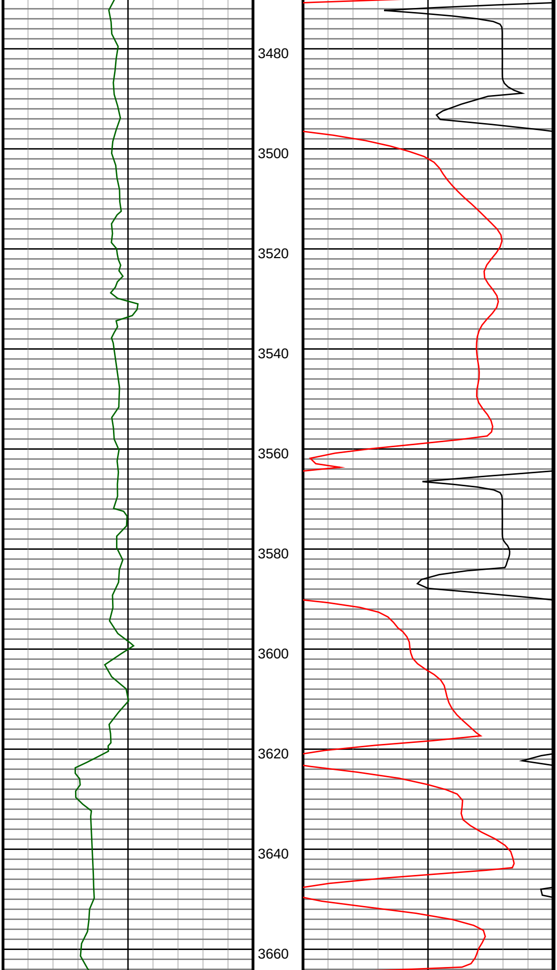
#33 MD(3153.00) Inc(3.8) Azm(352.7) TVD(3146.75)
VS(-171.77) N/-S(172.00) E/-W(-44.66)

#34 MD(3247.00) Inc(2.4) Azm(1.4) TVD(3240.61) VS(-176.83)
N/-S(177.07) E/-W(-45.01)



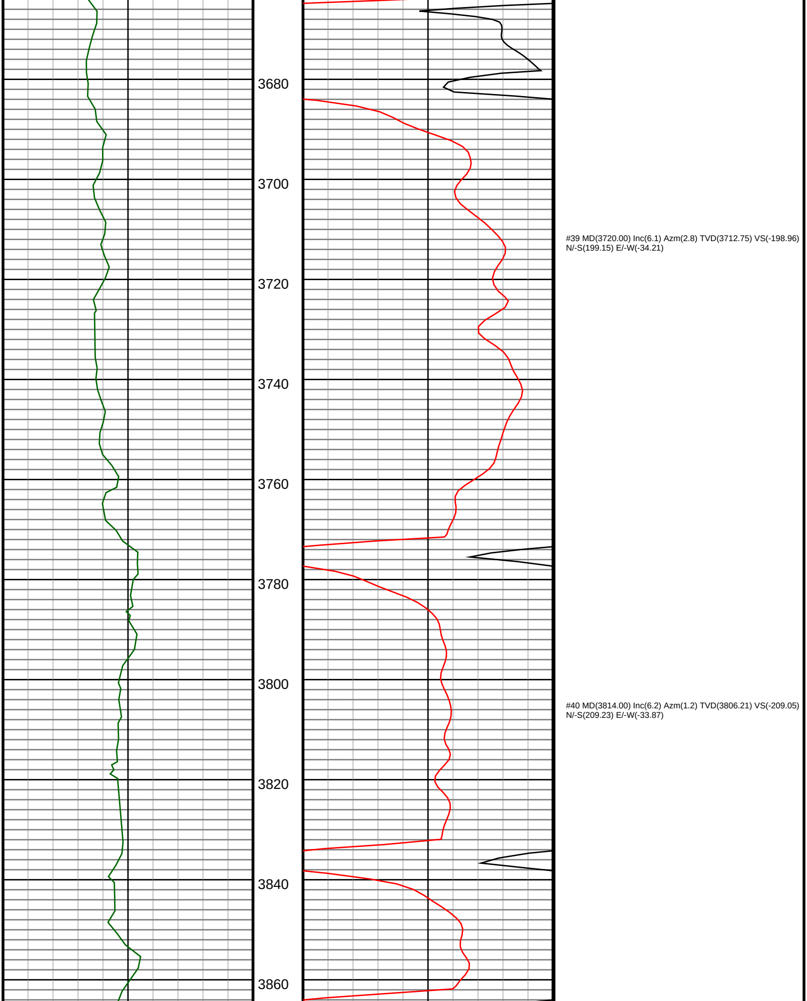
#35 MD(3342.00) Inc(2.3) Azm(42.1) TVD(3335.54)
VS(-180.22) N/-S(180.45) E/-W(-43.69)

#36 MD(3437.00) Inc(2.3) Azm(78.6) TVD(3430.47)
VS(-182.02) N/-S(182.24) E/-W(-40.55)



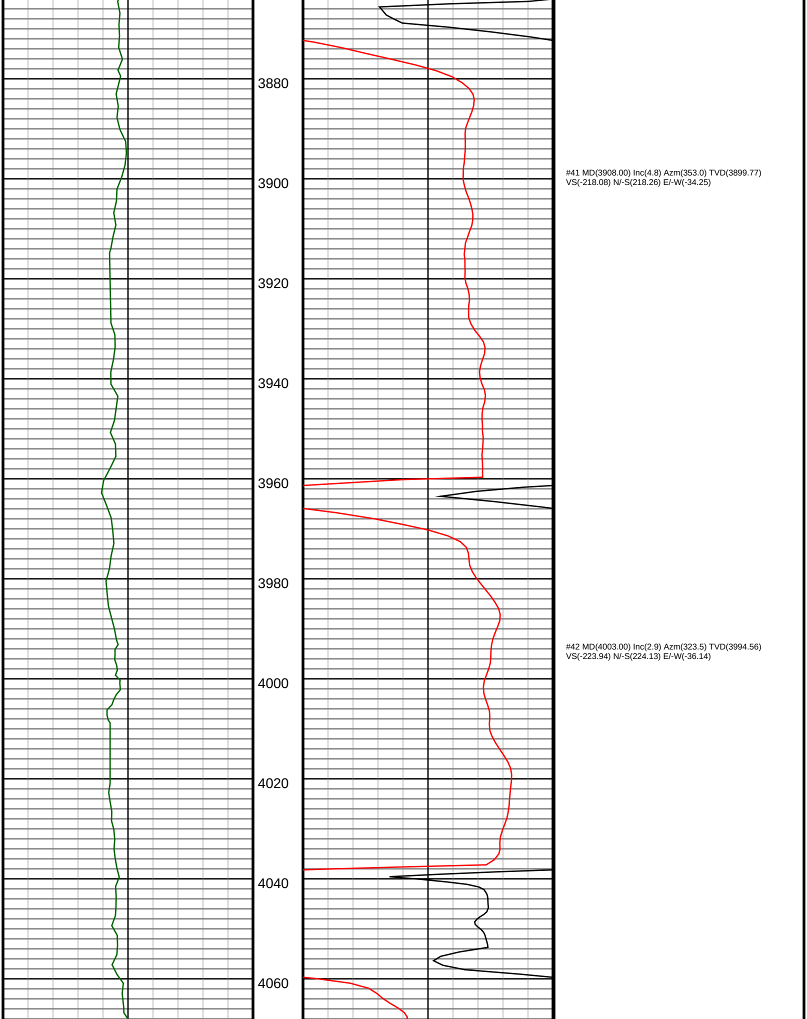
#37 MD(3531.00) Inc(3.2) Azm(38.4) TVD(3524.37)
VS(-184.48) N/-S(184.68) E/-W(-37.06)

#38 MD(3626.00) Inc(4.5) Azm(7.4) TVD(3619.16) VS(-190.30)
N/-S(190.49) E/-W(-34.92)



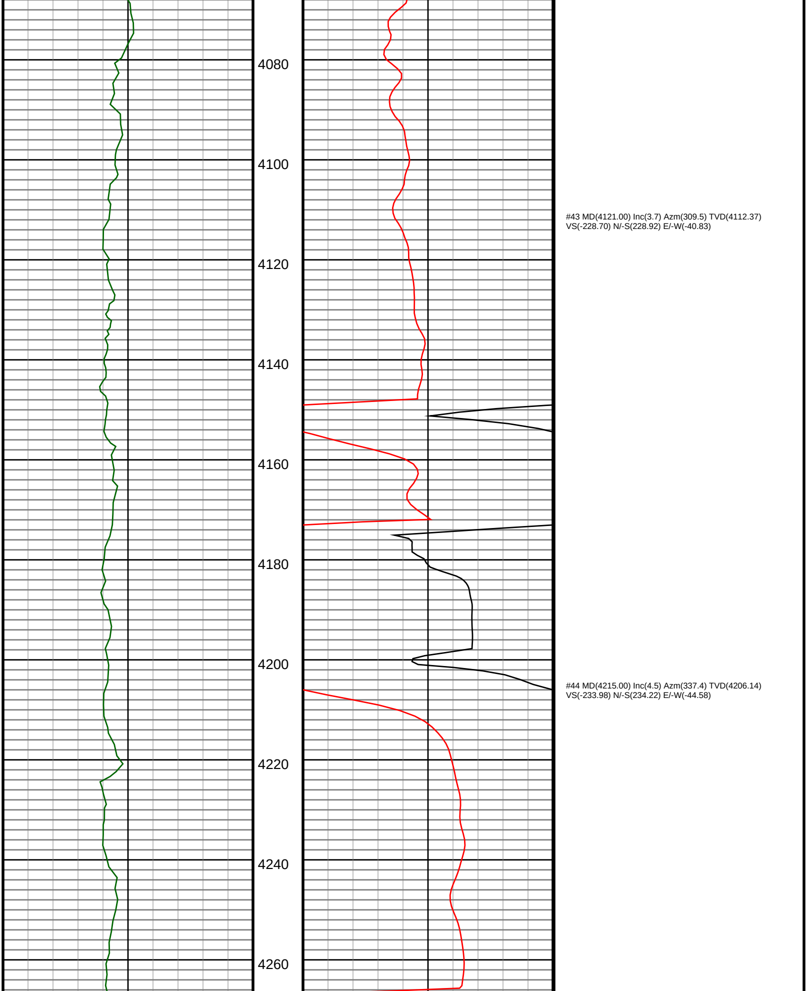
#39 MD(3720.00) Inc(6.1) Azm(2.8) TVD(3712.75) VS(-198.96)
N/-S(199.15) E/-W(-34.21)

#40 MD(3814.00) Inc(6.2) Azm(1.2) TVD(3806.21) VS(-209.05)
N/-S(209.23) E/-W(-33.87)



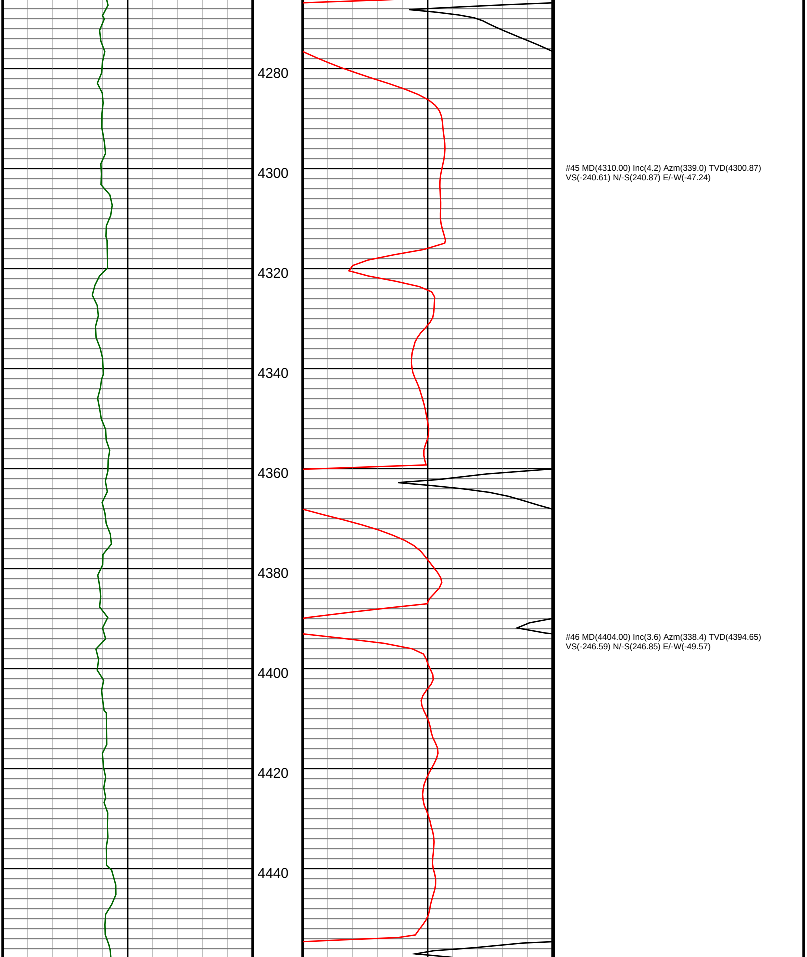
#41 MD(3908.00) Inc(4.8) Azm(353.0) TVD(3899.77)
VS(-218.08) N/-S(218.26) E/-W(-34.25)

#42 MD(4003.00) Inc(2.9) Azm(323.5) TVD(3994.56)
VS(-223.94) N/-S(224.13) E/-W(-36.14)



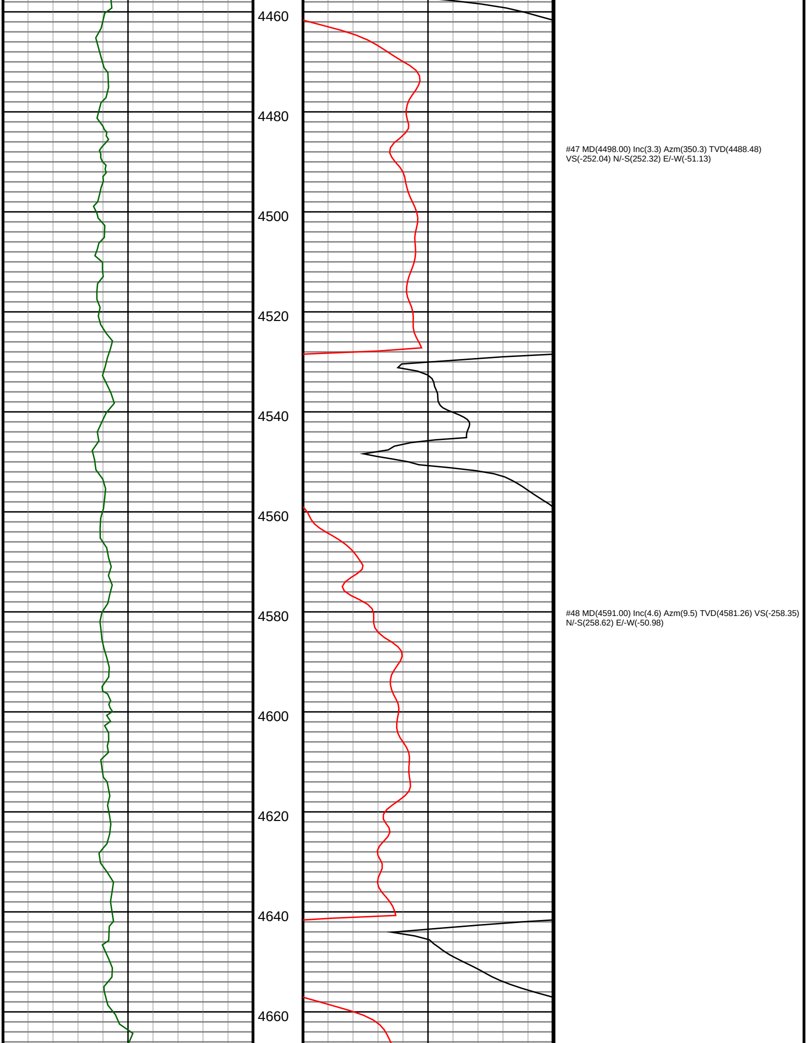
#43 MD(4121.00) Inc(3.7) Azm(309.5) TVD(4112.37)
VS(-228.70) N/-S(228.92) E/-W(-40.83)

#44 MD(4215.00) Inc(4.5) Azm(337.4) TVD(4206.14)
VS(-233.98) N/-S(234.22) E/-W(-44.58)



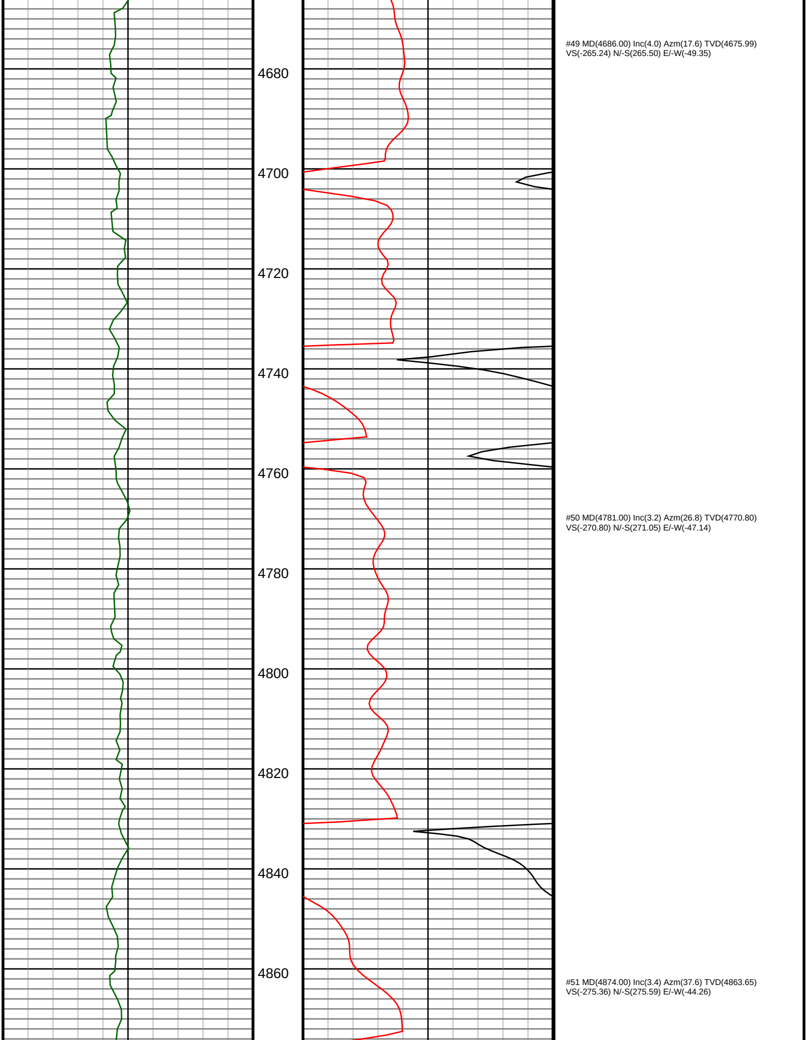
#45 MD(4310.00) Inc(4.2) Azm(339.0) TVD(4300.87)
VS(-240.61) N/-S(240.87) E/-W(-47.24)

#46 MD(4404.00) Inc(3.6) Azm(338.4) TVD(4394.65)
VS(-246.59) N/-S(246.85) E/-W(-49.57)



#47 MD(4498.00) Inc(3.3) Azm(350.3) TVD(4488.48)
VS(-252.04) N/-S(252.32) E/-W(-51.13)

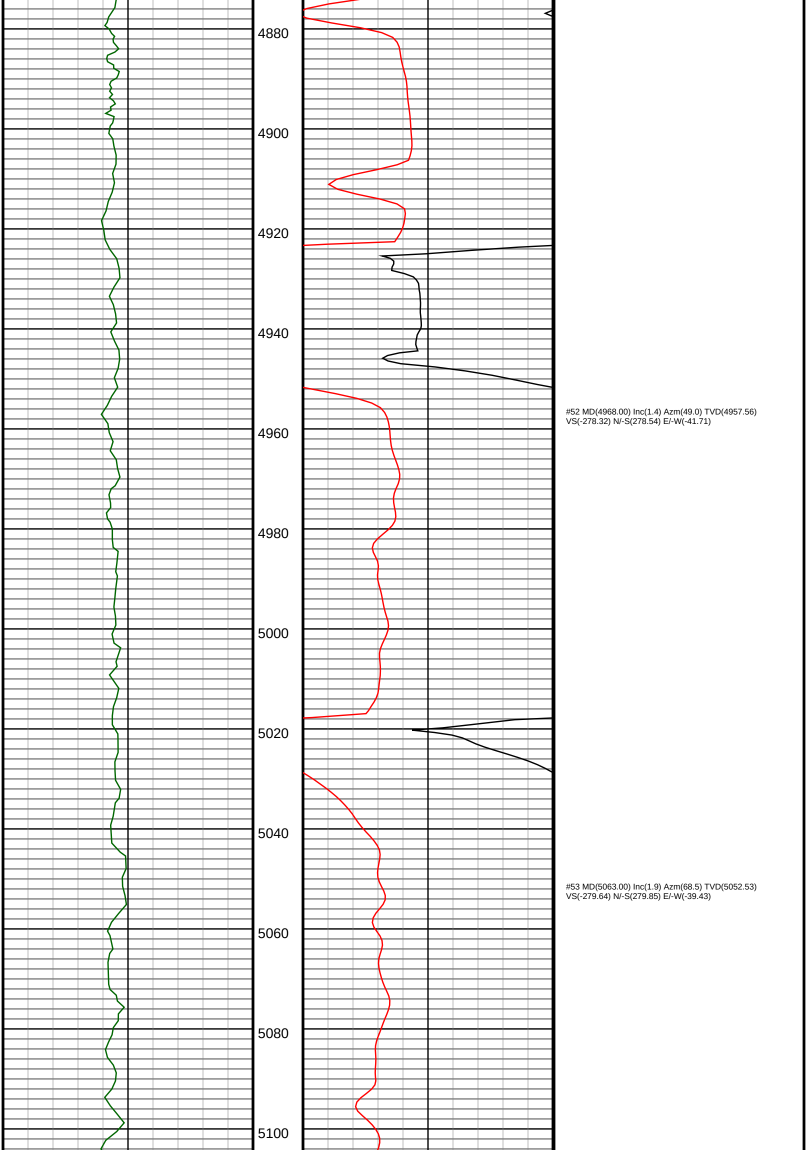
#48 MD(4591.00) Inc(4.6) Azm(9.5) TVD(4581.26) VS(-258.35)
N/-S(258.62) E/-W(-50.98)



#49 MD(4686.00) Inc(4.0) Azm(17.6) TVD(4675.99)
VS(-265.24) N/-S(265.50) E/-W(-49.35)

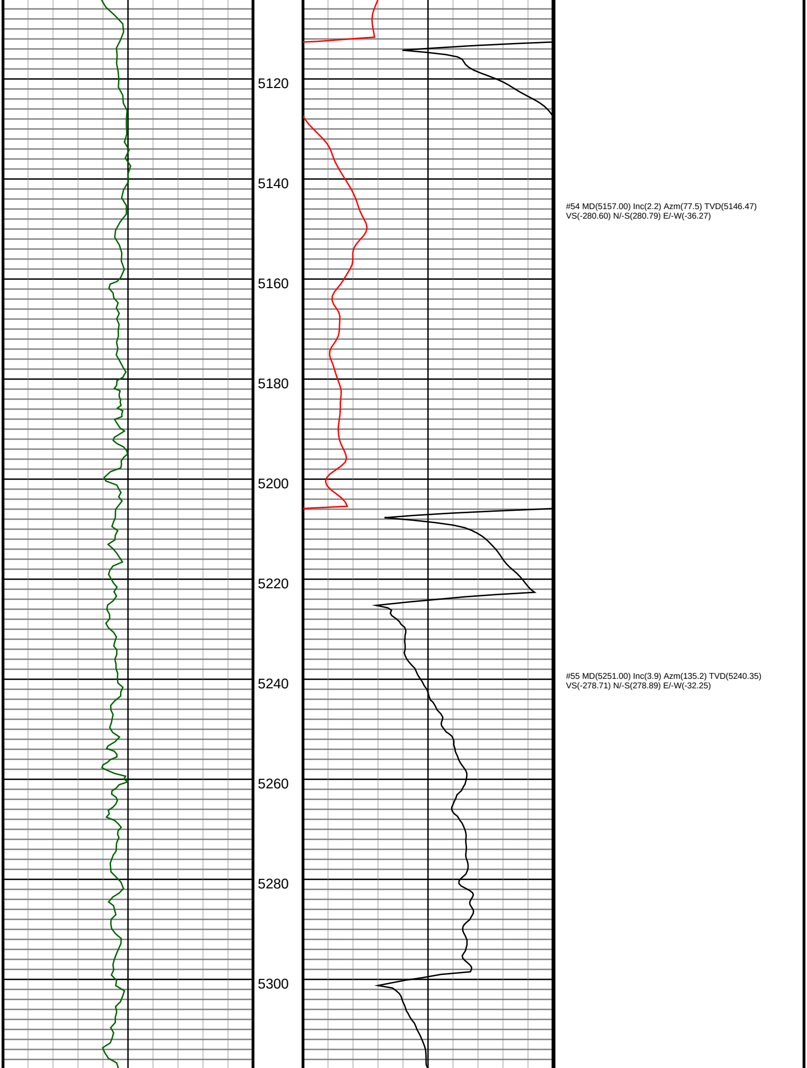
#50 MD(4781.00) Inc(3.2) Azm(26.8) TVD(4770.80)
VS(-270.80) N/-S(271.05) E/-W(-47.14)

#51 MD(4874.00) Inc(3.4) Azm(37.6) TVD(4863.65)
VS(-275.36) N/-S(275.59) E/-W(-44.26)



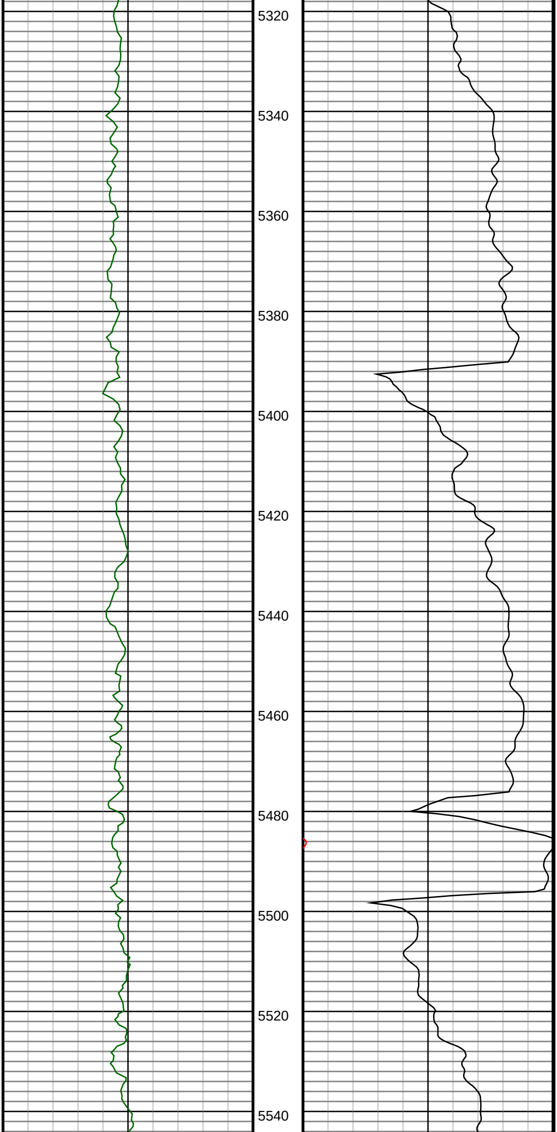
#52 MD(4968.00) Inc(1.4) Azm(49.0) TVD(4957.56)
VS(-278.32) N/-S(278.54) E/-W(-41.71)

#53 MD(5063.00) Inc(1.9) Azm(68.5) TVD(5052.53)
VS(-279.64) N/-S(279.85) E/-W(-39.43)



#54 MD(5157.00) Inc(2.2) Azm(77.5) TVD(5146.47)
VS(-280.60) N/-S(280.79) E/-W(-36.27)

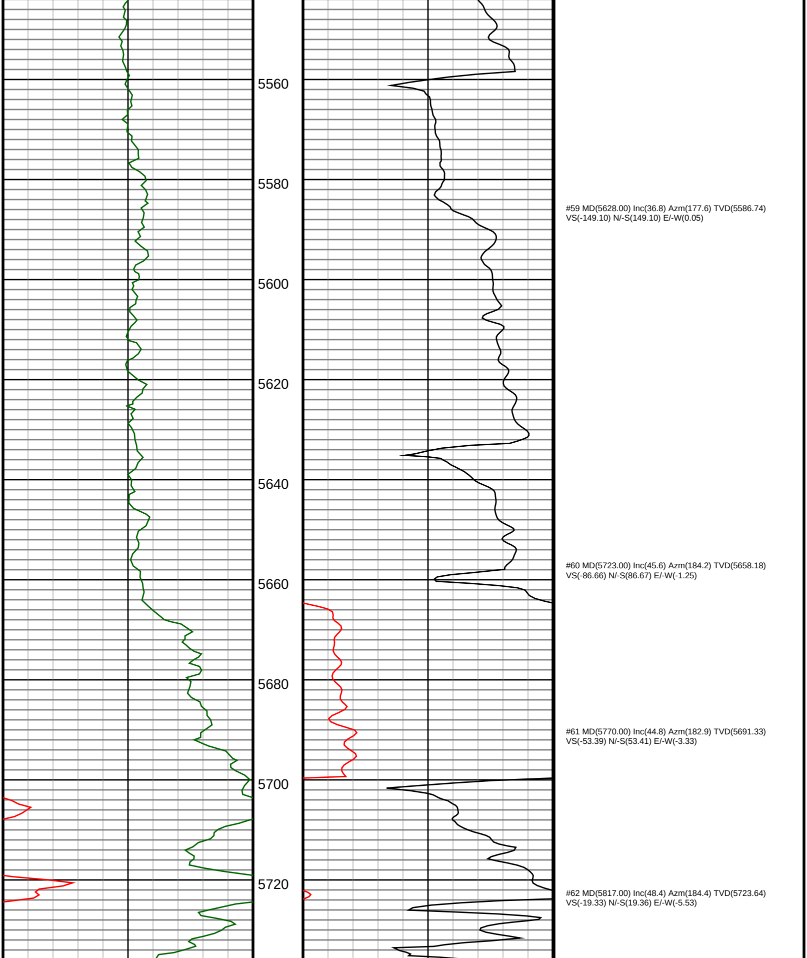
#55 MD(5251.00) Inc(3.9) Azm(135.2) TVD(5240.35)
VS(-278.71) N/-S(278.89) E/-W(-32.25)



#56 MD(5345.00) Inc(12.5) Azm(159.8) TVD(5333.31)
VS(-266.87) N/-S(267.01) E/-W(-26.44)

#57 MD(5439.00) Inc(22.4) Azm(162.4) TVD(5422.87)
VS(-240.21) N/-S(240.31) E/-W(-17.49)

#58 MD(5534.00) Inc(29.8) Azm(166.6) TVD(5508.15)
VS(-200.03) N/-S(200.06) E/-W(-6.54)

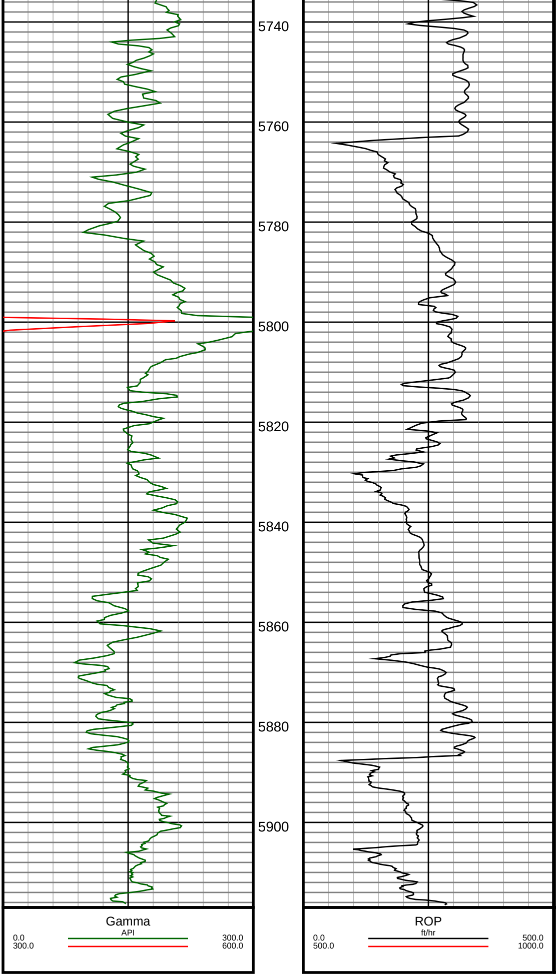


#59 MD(5628.00) Inc(36.8) Azm(177.6) TVD(5586.74)
VS(-149.10) N/-S(149.10) E/-W(0.05)

#60 MD(5723.00) Inc(45.6) Azm(184.2) TVD(5658.18)
VS(-86.66) N/-S(86.67) E/-W(-1.25)

#61 MD(5770.00) Inc(44.8) Azm(182.9) TVD(5691.33)
VS(-53.39) N/-S(53.41) E/-W(-3.33)

#62 MD(5817.00) Inc(48.4) Azm(184.4) TVD(5723.64)
VS(-19.33) N/-S(19.36) E/-W(-5.53)



#63 MD(5864.00) Inc(47.6) Azm(183.7) TVD(5755.09)
VS(15.51) N/-S(-15.47) E/-W(-8.01)

#64 MD(5911.00) Inc(51.8) Azm(183.7) TVD(5785.48)
VS(51.29) N/-S(-51.24) E/-W(-10.34)

#65 MD(5979.00) Inc(58.0) Azm(182.6) TVD(5824.53)
VS(106.85) N/-S(-106.78) E/-W(-13.41)

#66 MD(6006.00) Inc(60.2) Azm(182.3) TVD(5838.39)
VS(130.00) N/-S(-129.93) E/-W(-14.41)

#67 MD(6100.00) Inc(64.1) Azm(182.1) TVD(5882.30)
VS(213.05) N/-S(-212.96) E/-W(-17.60)

#68 MD(6195.00) Inc(75.3) Azm(184.8) TVD(5915.22)
VS(301.85) N/-S(-301.74) E/-W(-23.05)