BEF WEST 19

MD
5":100'

Company: Petro Operating Company LLC
Well Name: BEF West 19
API:
County/Parish: Adams
State: CO
Country: USA
Job number: TRUE33
Field: Wattenburg
Rig Id: True 33
Survey Company: Ensign
Operator: Petro Operating Company LLC
Company Man: Mark Stoner

Daylight DD: Breven Williams
Night DD: Tyler Batchelder

Daylight MWD: Justin Klatt
Night MWD: Cameron MacDonald

Log measurements: Gamma
Depth measured from:
Maximum temperature:

	Depth	Date
Start:	0 ft	12-23-2018
End:	12244 ft	2-6-2019

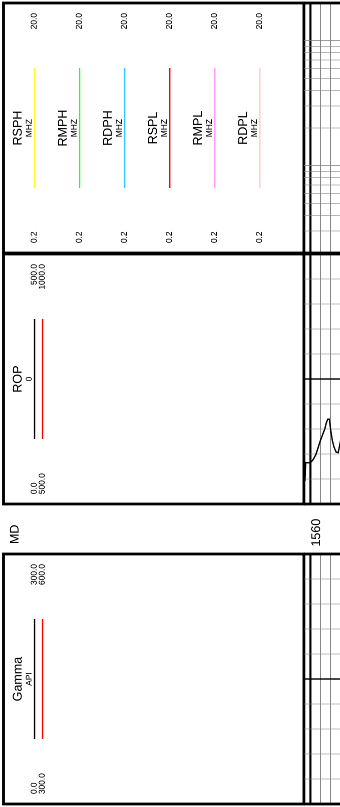
Casing	Depth	Size
Surface:	1568 ft	9 5/8"
Intermediate:		

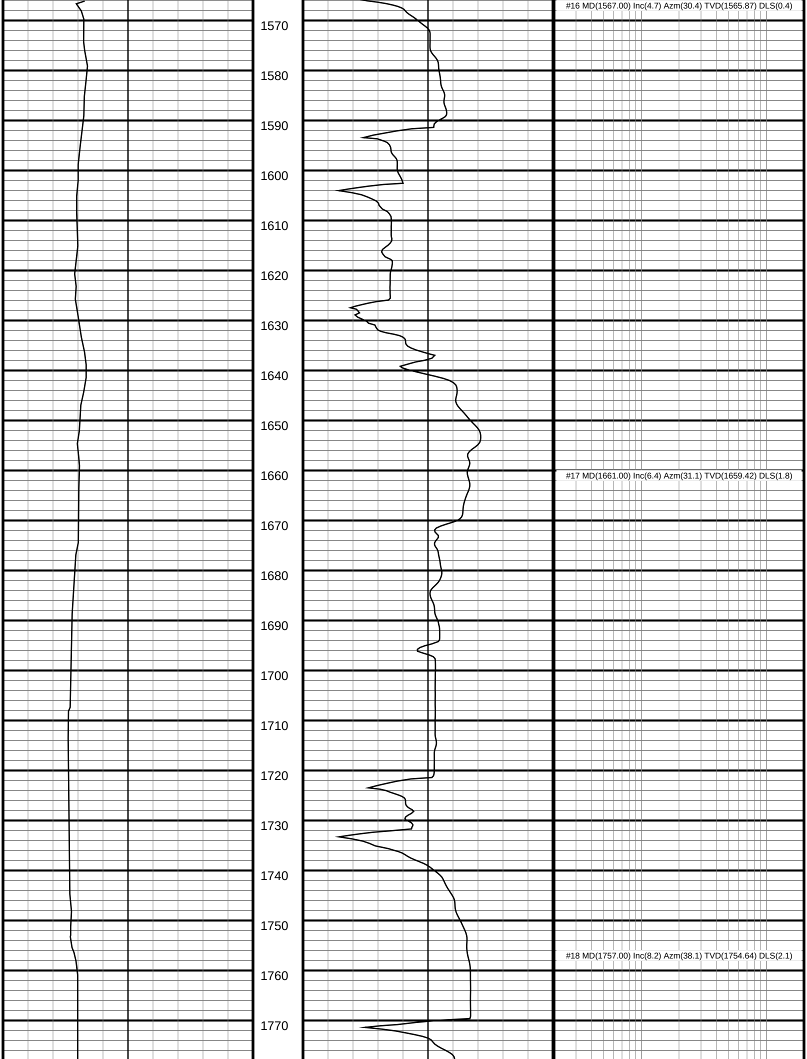
Mud Type: WBM
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

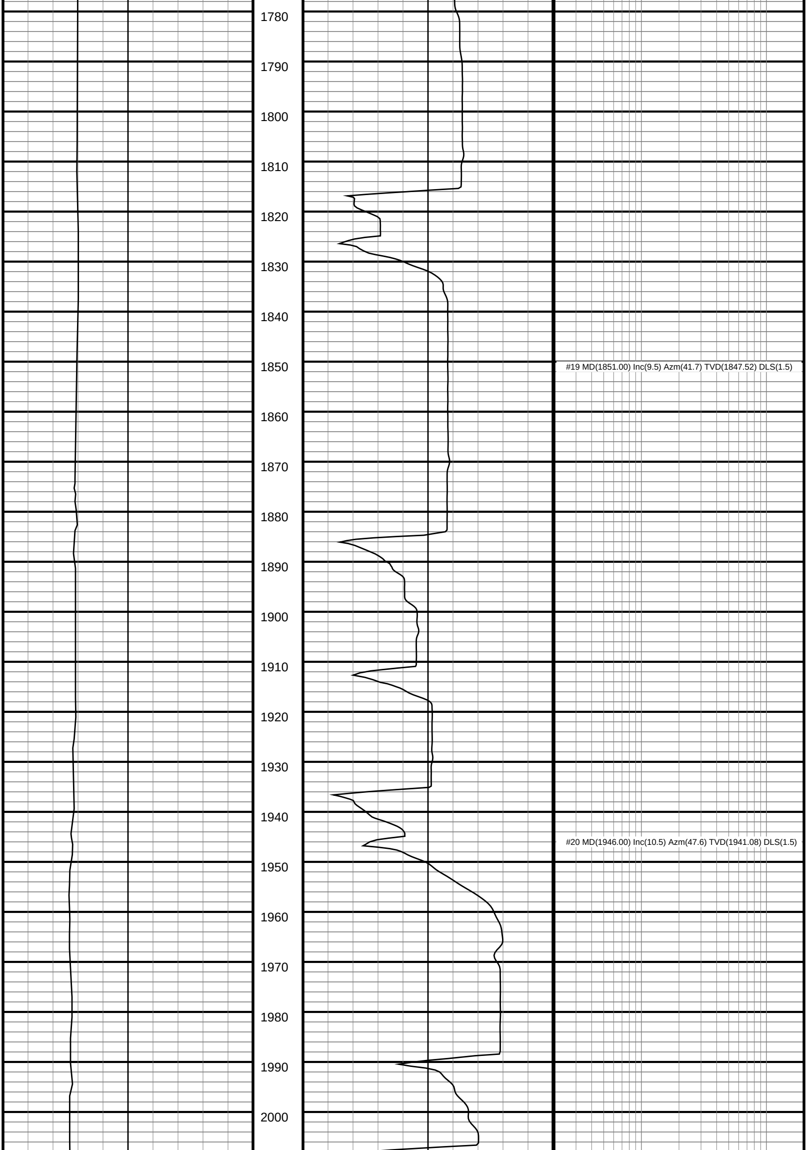
Elevations
KB: 27 ft
GL: 5049 ft
DF: 5076 ft

		Offsets		Depths		Dates	
Run	**Bit Size**	**Gamma**	**Survey**	**Start**	**End**	**Start**	**End**
1	12.5"		60.00 ft	0 ft	1558 ft	12-23-2018	12-23-2018
2	8.5"		60.00 ft	1558 ft	4396 ft	2-1-2019	2-2-2019
3	8.5"	58.96 ft	54.13 ft	4396 ft	8417 ft	2-2-2019	2-4-2019
4	8.5"	62.60 ft	57.77 ft	8417 ft		2-4-2019	
5							
6							
7							
8							
9							
10							

Ensign 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.

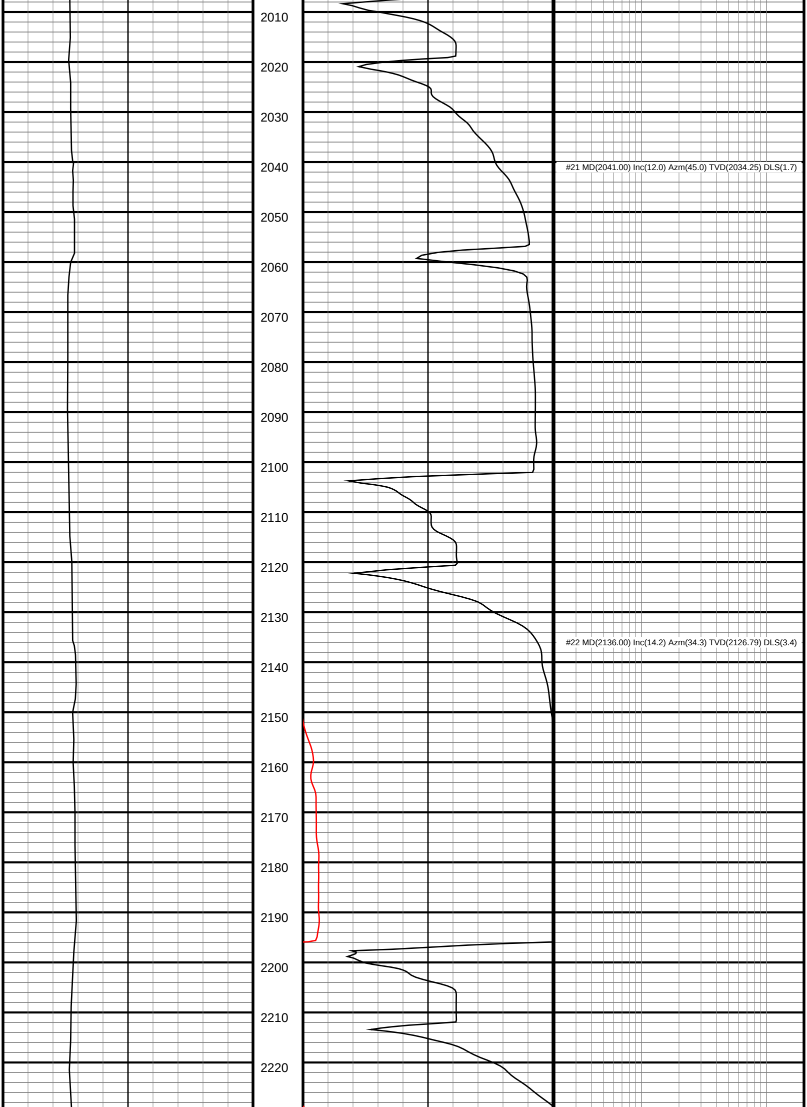


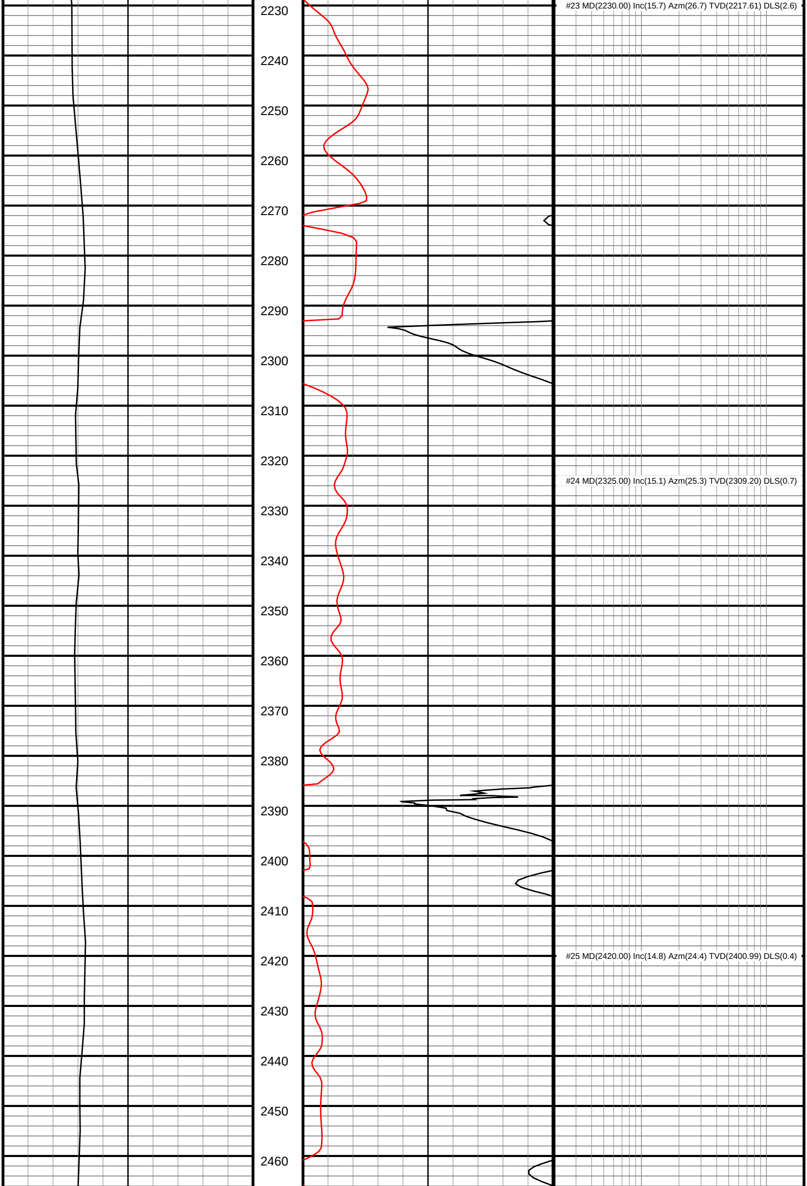


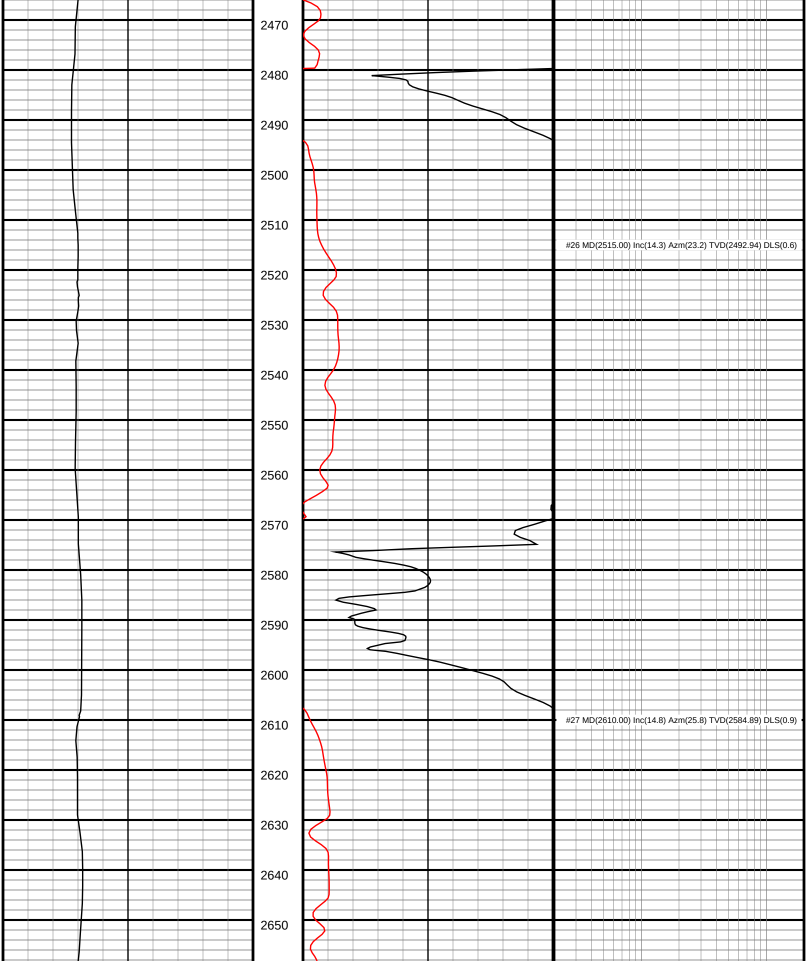


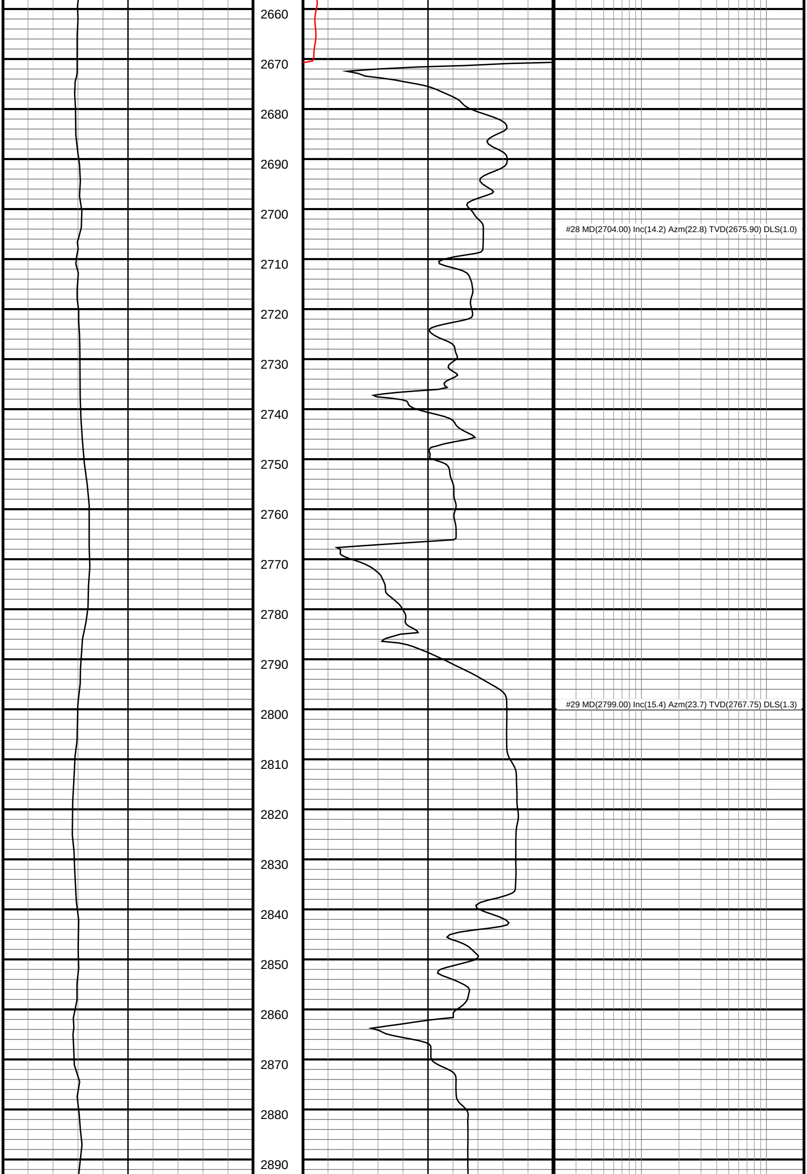
#19 MD(1851.00) Inc(9.5) Azm(41.7) TVD(1847.52) DLS(1.5)

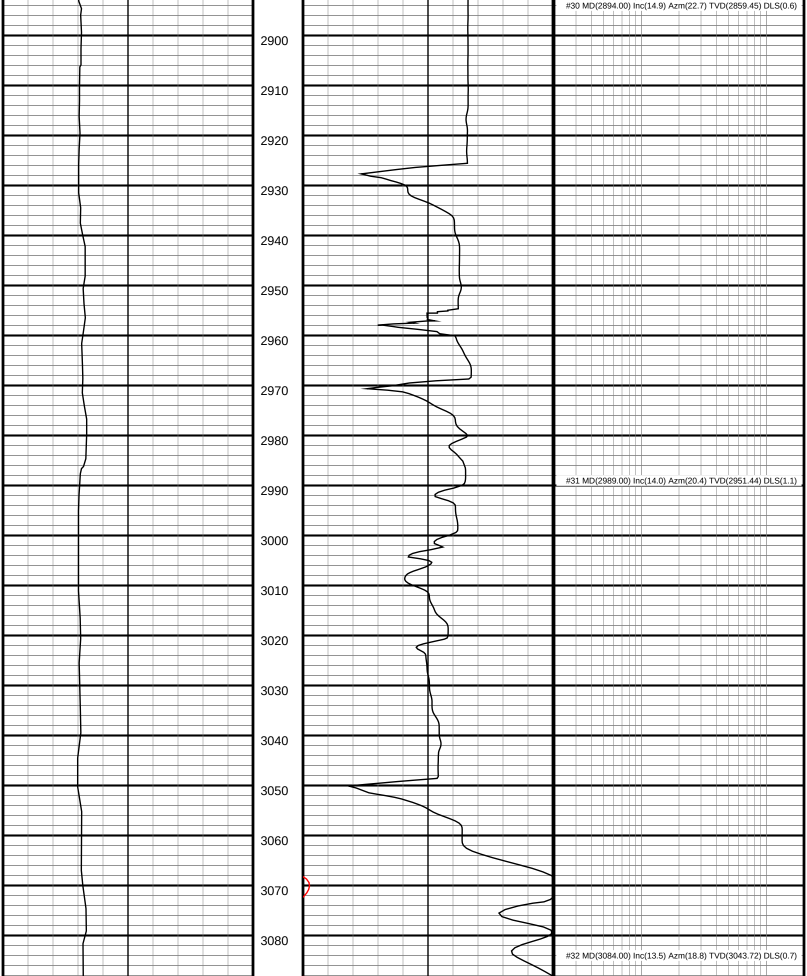
#20 MD(1946.00) Inc(10.5) Azm(47.6) TVD(1941.08) DLS(1.5)

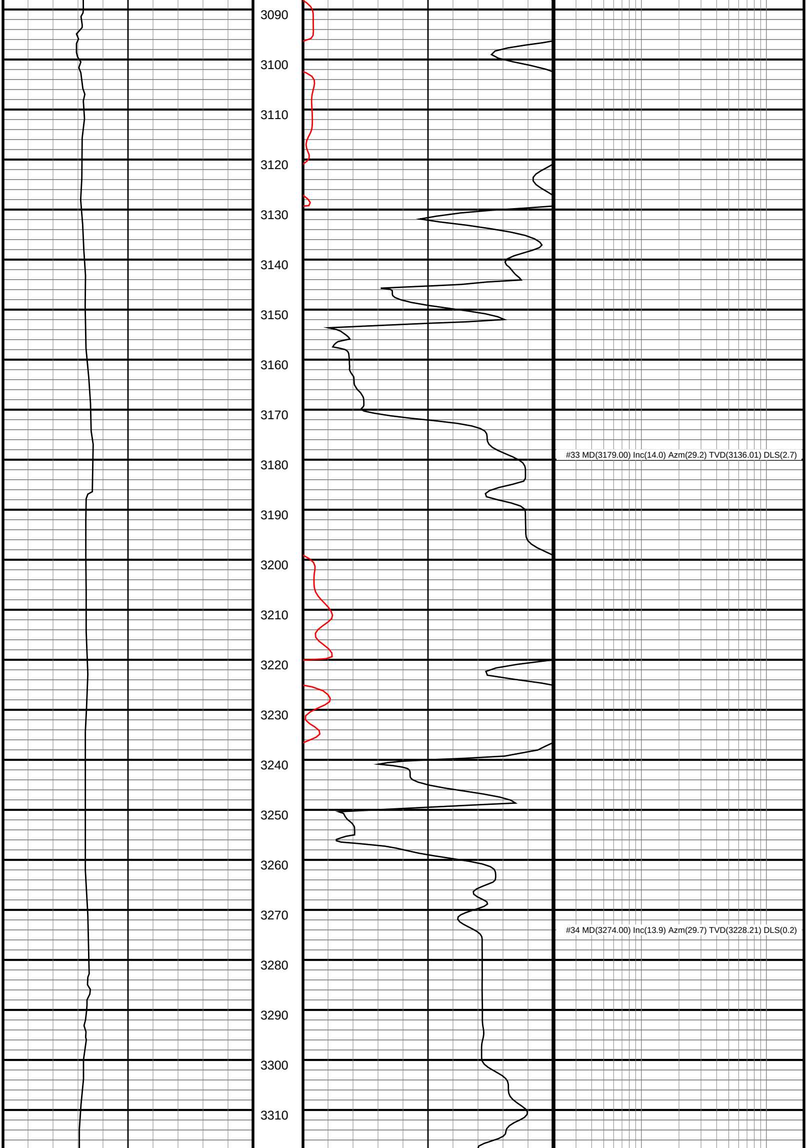






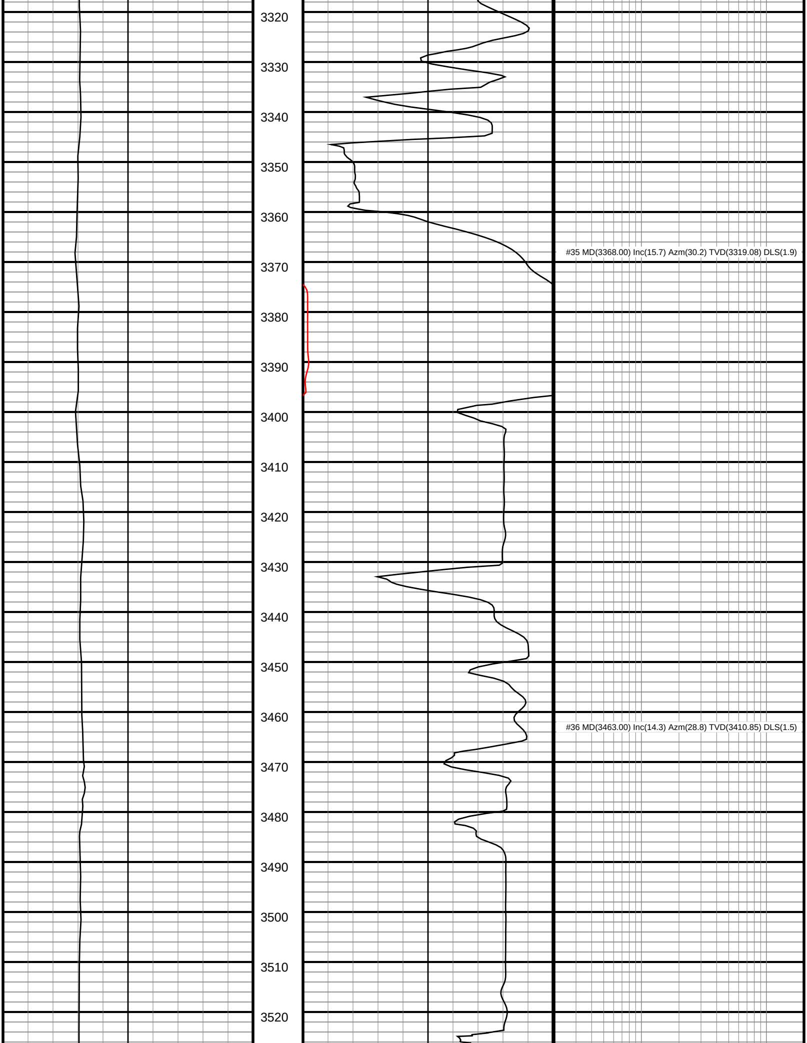


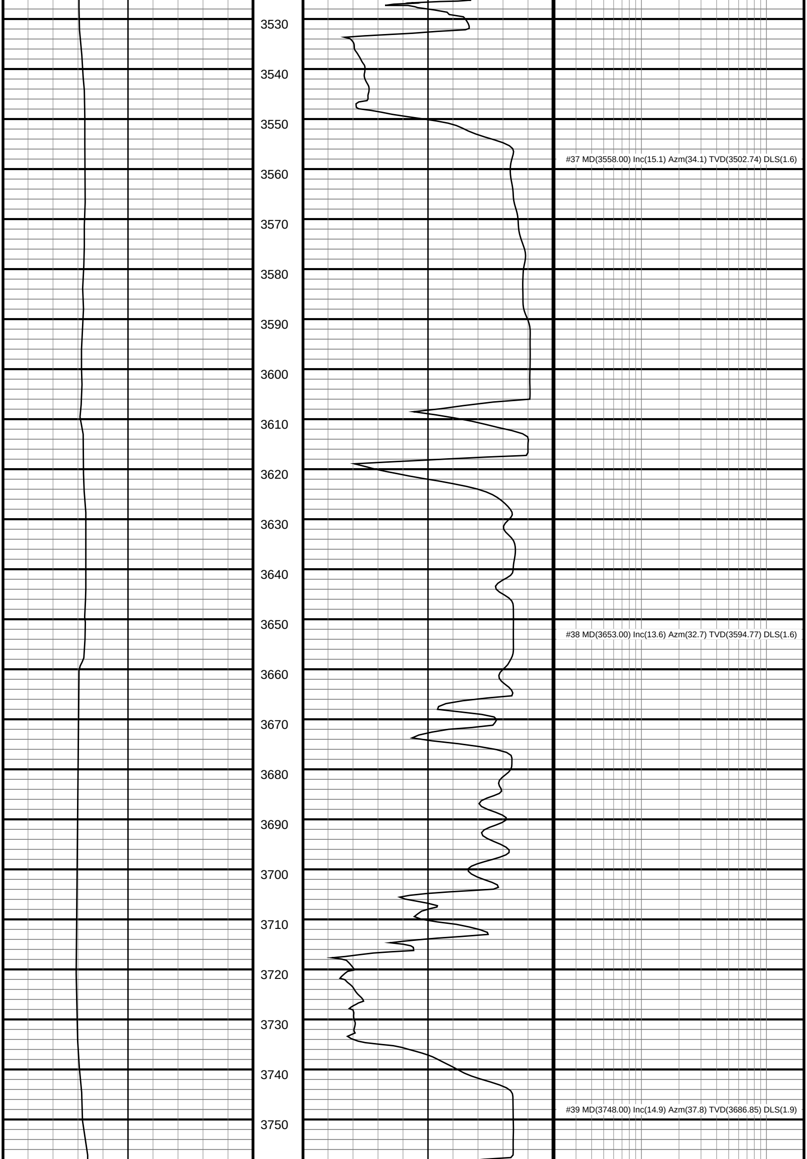




#33 MD(3179.00) Inc(14.0) Azm(29.2) TVD(3136.01) DLS(2.7)

#34 MD(3274.00) Inc(13.9) Azm(29.7) TVD(3228.21) DLS(0.2)

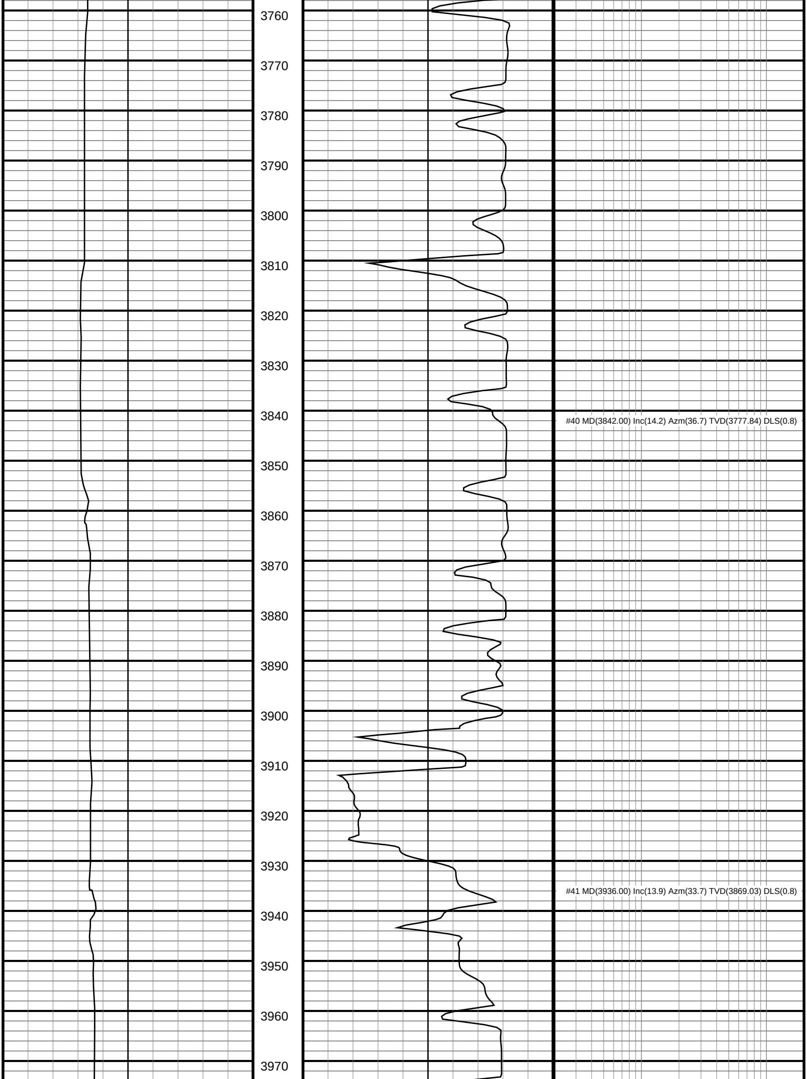




#37 MD(3558.00) Inc(15.1) Azm(34.1) TVD(3502.74) DLS(1.6)

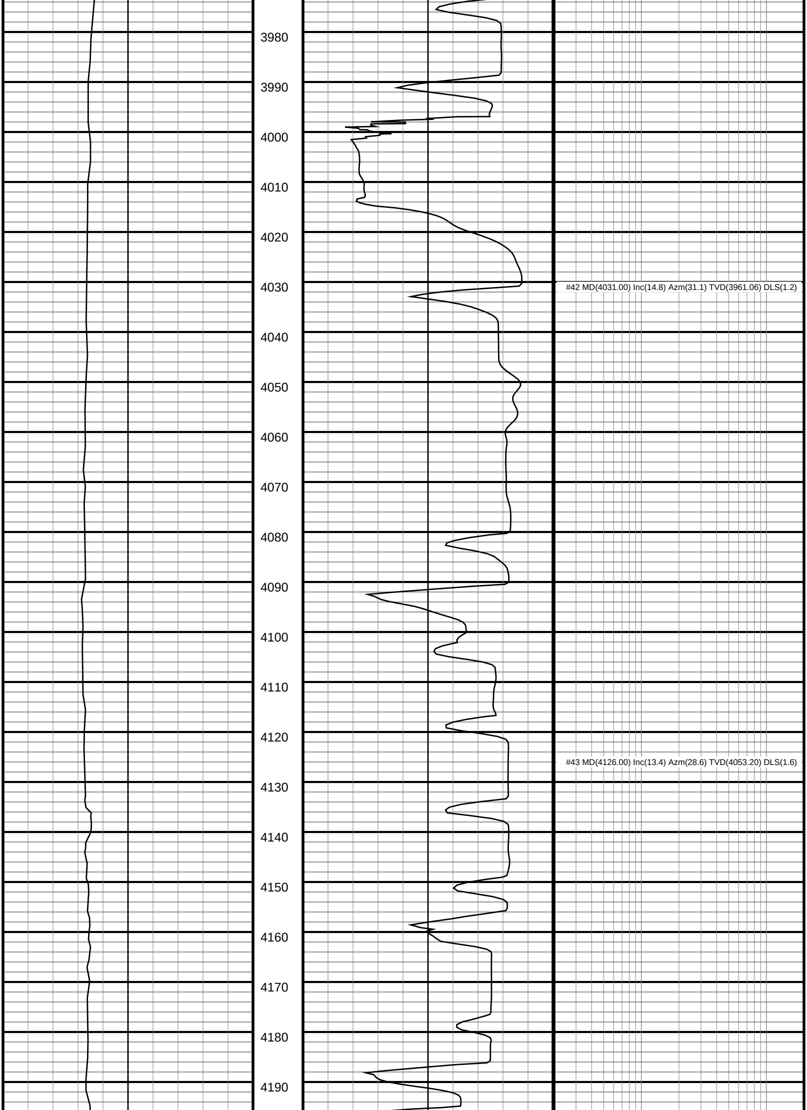
#38 MD(3653.00) Inc(13.6) Azm(32.7) TVD(3594.77) DLS(1.6)

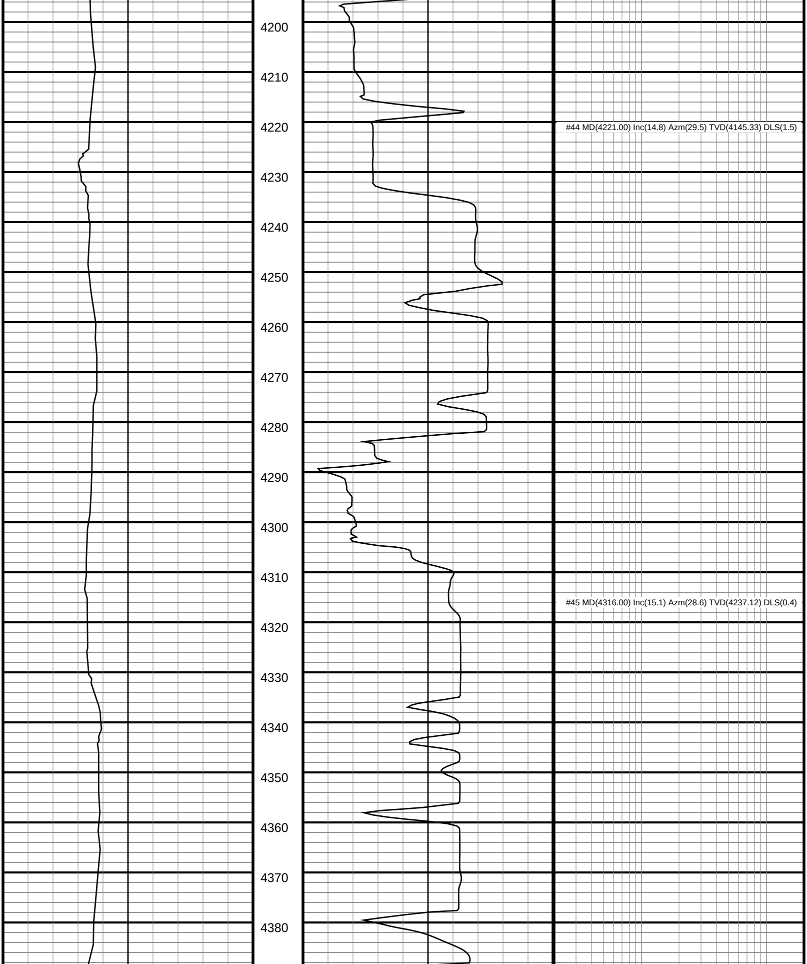
#39 MD(3748.00) Inc(14.9) Azm(37.8) TVD(3686.85) DLS(1.9)



#40 MD(3842.00) Inc(14.2) Azm(36.7) TVD(3777.84) DLS(0.8)

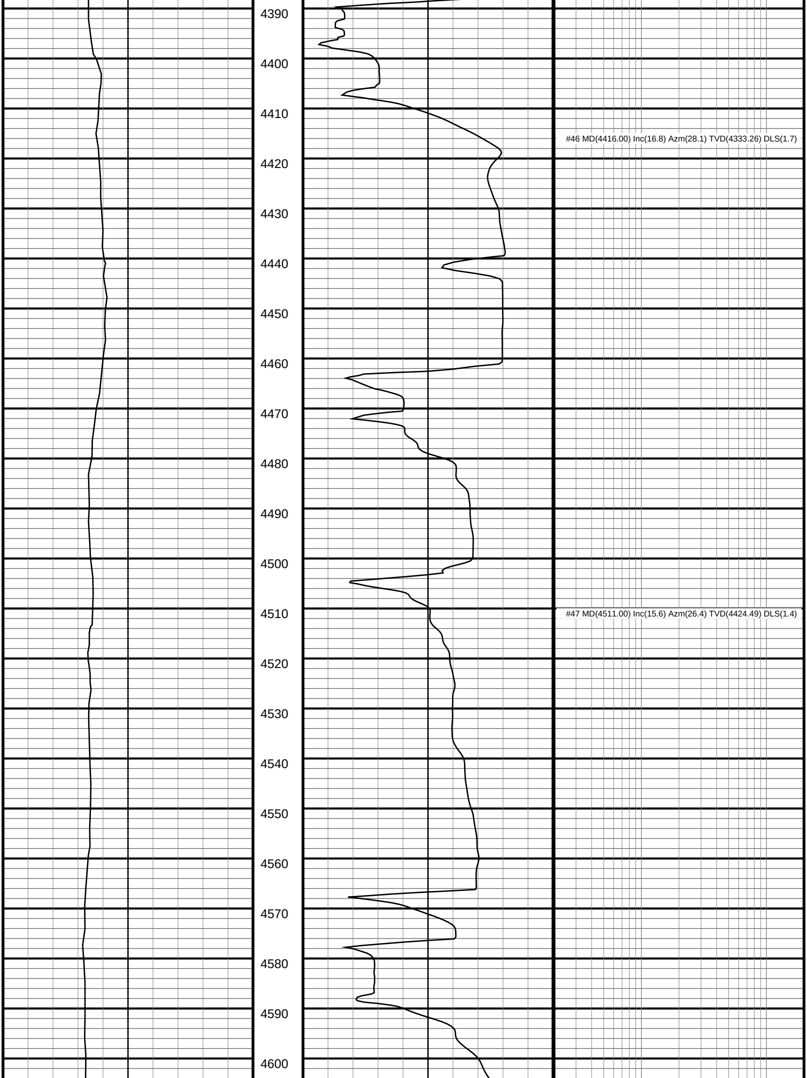
#41 MD(3936.00) Inc(13.9) Azm(33.7) TVD(3869.03) DLS(0.8)





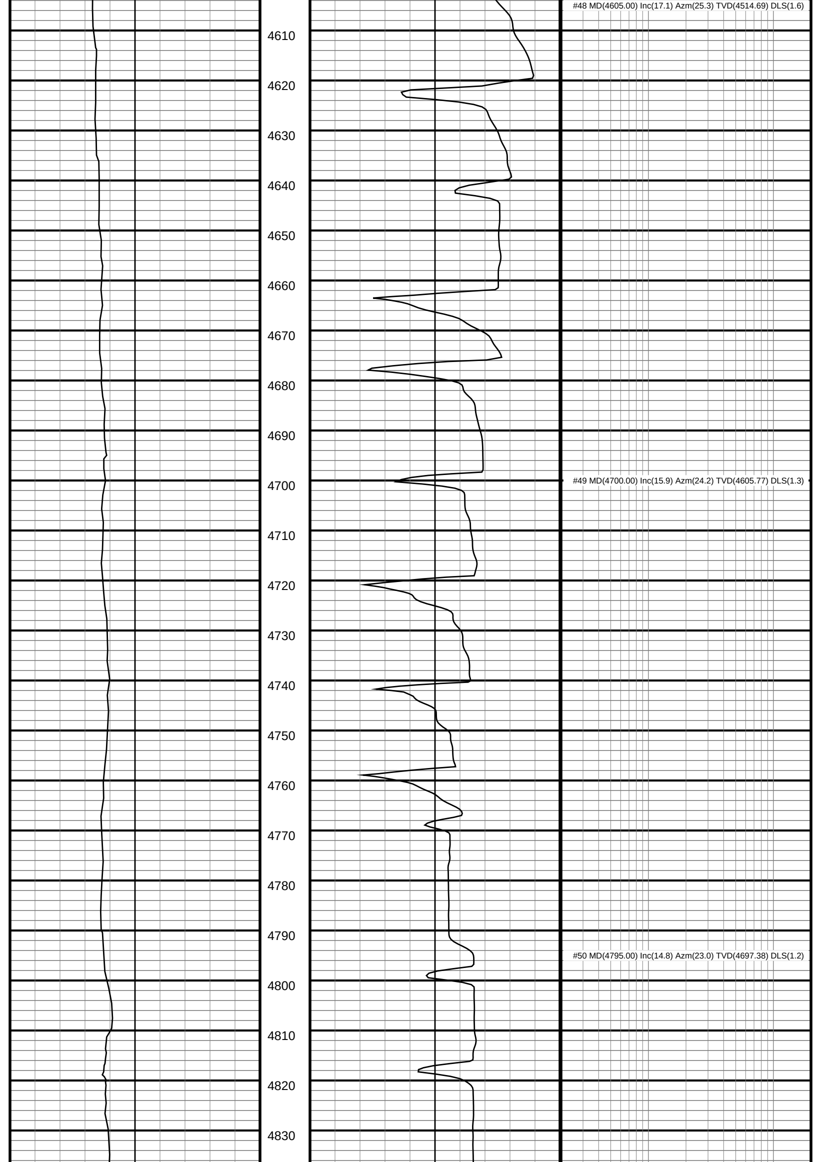
#44 MD(4221.00) Inc(14.8) Azm(29.5) TVD(4145.33) DLS(1.5)

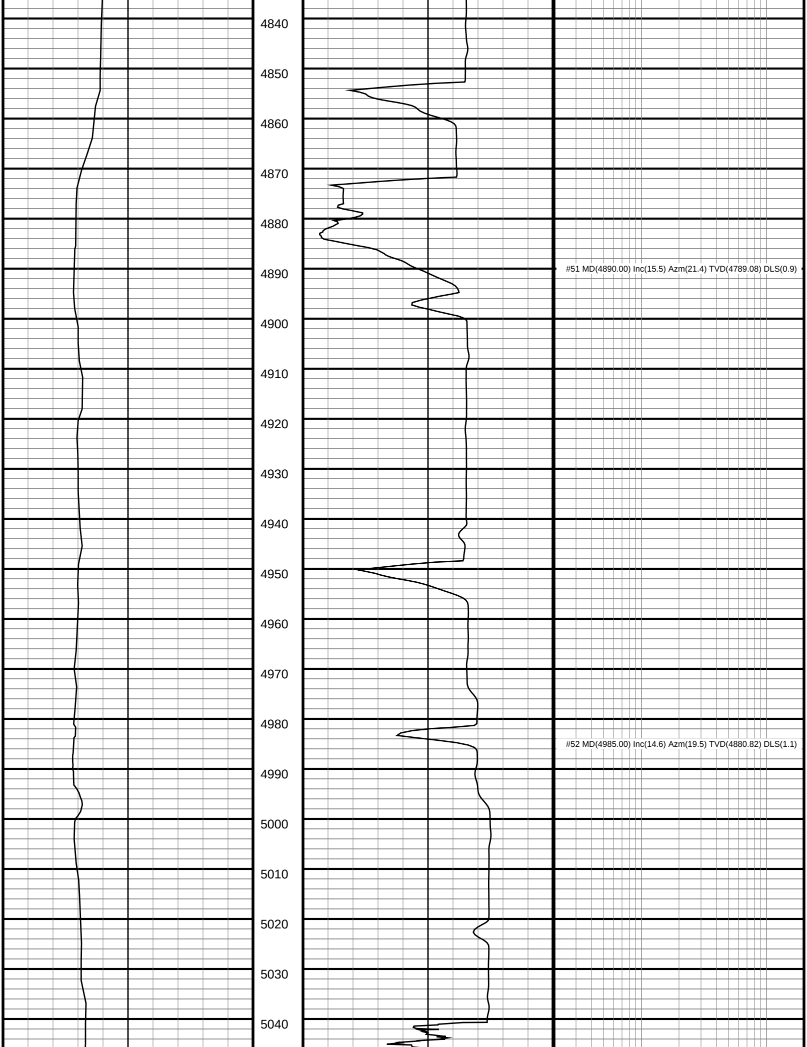
#45 MD(4316.00) Inc(15.1) Azm(28.6) TVD(4237.12) DLS(0.4)



#46 MD(4416.00) Inc(16.8) Azm(28.1) TVD(4333.26) DLS(1.7)

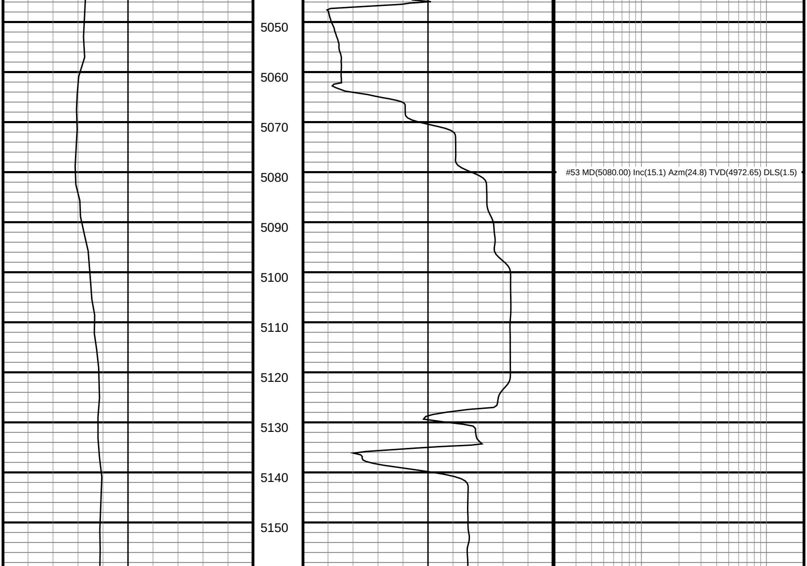
#47 MD(4511.00) Inc(15.6) Azm(26.4) TVD(4424.49) DLS(1.4)





#51 MD(4890.00) Inc(15.5) Azm(21.4) TVD(4789.08) DLS(0.9)

#52 MD(4985.00) Inc(14.6) Azm(19.5) TVD(4880.82) DLS(1.1)



#54 MD(5175.00) Inc(14.9) Azm(23.4) TVD(5064.42) DLS(0.4)

#55 MD(5269.00) Inc(15.3) Azm(30.6) TVD(5155.18) DLS(2.0)

#56 MD(5364.00) Inc(13.7) Azm(28.5) TVD(5247.15) DLS(1.8)

#57 MD(5458.00) Inc(14.4) Azm(28.8) TVD(5338.34) DLS(0.7)

#58 MD(5552.00) Inc(12.9) Azm(25.8) TVD(5429.68) DLS(1.8)

#59 MD(5646.00) Inc(14.2) Azm(31.1) TVD(5521.07) DLS(1.9)

#60 MD(5741.00) Inc(13.5) Azm(29.2) TVD(5613.31) DLS(0.9)

#61 MD(5836.00) Inc(12.7) Azm(36.2) TVD(5705.84) DLS(1.9)

#62 MD(5931.00) Inc(11.0) Azm(32.3) TVD(5798.81) DLS(2.0)

#63 MD(6025.00) Inc(10.7) Azm(38.1) TVD(5891.13) DLS(1.2)

#64 MD(6120.00) Inc(9.4) Azm(37.1) TVD(5984.67) DLS(1.4)

#65 MD(6214.00) Inc(8.5) Azm(33.6) TVD(6077.53) DLS(1.1)

#66 MD(6308.00) Inc(7.4) Azm(29.0) TVD(6170.63) DLS(1.4)

#67 MD(6403.00) Inc(6.2) Azm(25.1) TVD(6264.96) DLS(1.4)

#68 MD(6497.00) Inc(4.1) Azm(24.4) TVD(6358.57) DLS(2.2)

#69 MD(6615.00) Inc(1.6) Azm(45.7) TVD(6476.42) DLS(2.3)

#70 MD(6709.00) Inc(1.3) Azm(39.0) TVD(6570.39) DLS(0.4)

#71 MD(6803.00) Inc(4.7) Azm(262.1) TVD(6664.30) DLS(6.1)

#72 MD(6898.00) Inc(11.8) Azm(261.5) TVD(6758.25) DLS(7.5)