Sater 19J-443

MD
2":100'

Company: PDC Energy
Well Name: Sater 19J-443
API: 05-123-42061
County/Parish: Weld
State: CO
Country: USA
Field: DJ Basin
Job number: 2016-006-135
Rig Id: Ensign 135
Survey Company: Total Directional
Daylight DD Chris Lewis
Night DD James Hope
Daylight MWD Tim Sinning
Night MWD Ty Parker

Log measurements: Gamma
Depth measured from:
Maximum temperature:

	Depth	Date
Start:	0 ft	2/10/2016
End:	ft	

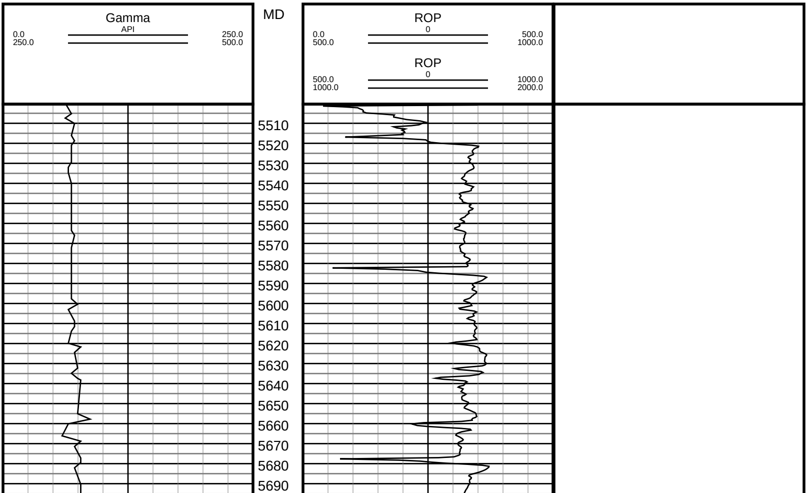
Casing	Depth	Size
Surface:		9 5/8"
Intermediate:		

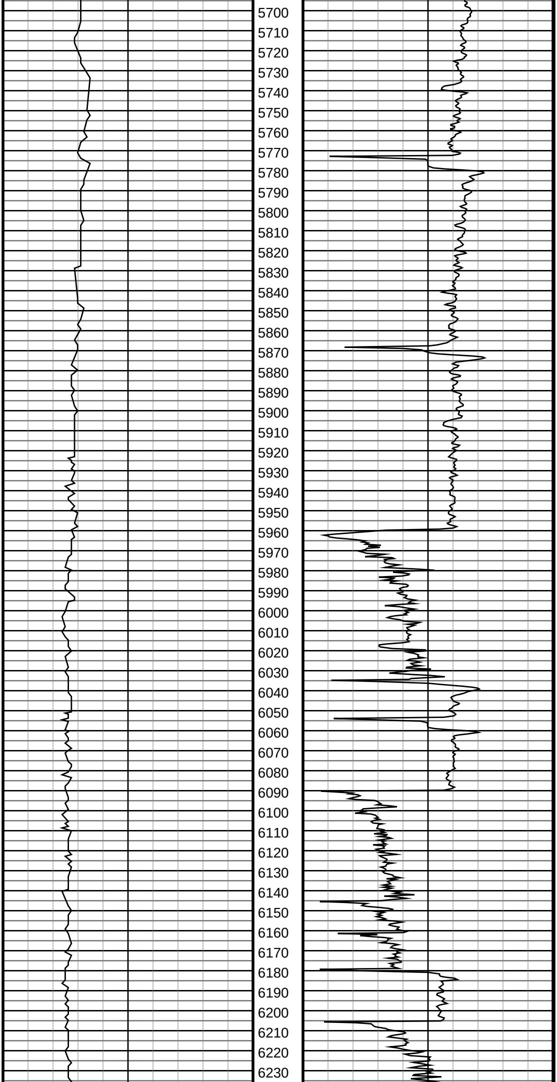
Mud Type: WBM
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4673 ft
GL: 4660 ft
DF: 13 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.25"		57.00 ft	0 ft		2/10/2016	
2							
3							
4							
5							
6							
7							
8							
9							
10							

Total 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.





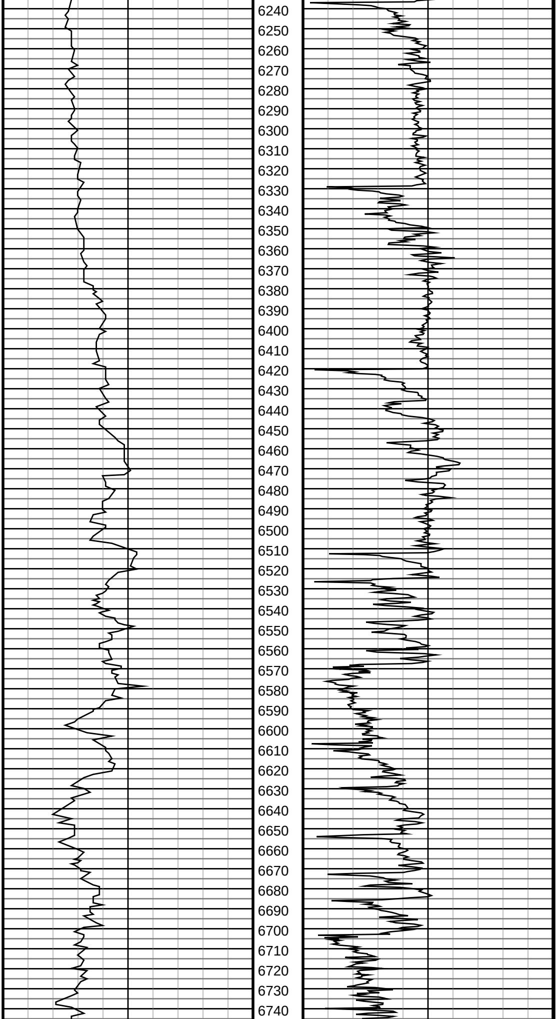
#21 MD(5723.00) Inc(0.7) Azm(281.5) TVD(5690.32) DLS(0.4)

#22 MD(5911.00) Inc(0.8) Azm(274.4) TVD(5878.30) DLS(0.1)

#23 MD(6003.00) Inc(5.1) Azm(188.1) TVD(5970.18) DLS(5.6)

#24 MD(6096.00) Inc(8.4) Azm(190.6) TVD(6062.52) DLS(3.6)

#25 MD(6188.00) Inc(13.9) Azm(179.8) TVD(6152.76) DLS(6.4)



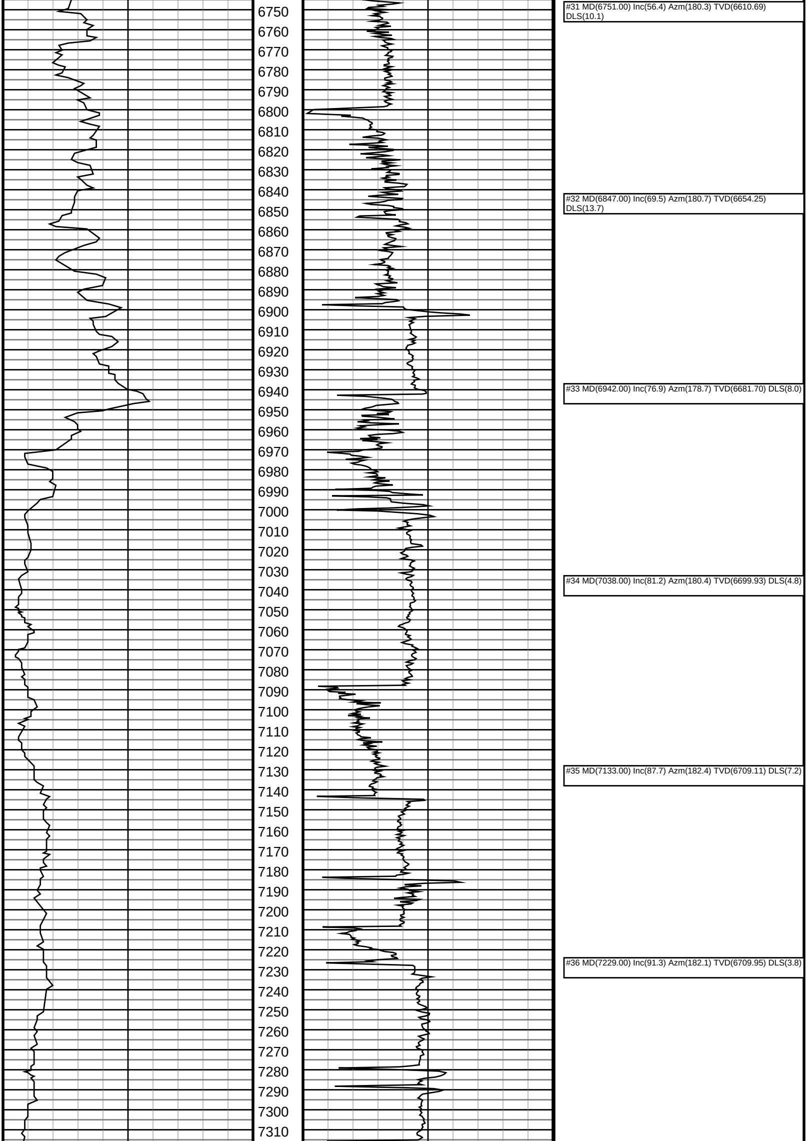
#26 MD(6280.00) Inc(19.8) Azm(181.4) TVD(6240.77) DLS(6.4)

#27 MD(6372.00) Inc(26.2) Azm(183.5) TVD(6325.42) DLS(7.0)

#28 MD(6464.00) Inc(32.9) Azm(176.2) TVD(6405.43) DLS(8.3)

#29 MD(6560.00) Inc(40.2) Azm(173.6) TVD(6482.50) DLS(7.8)

#30 MD(6656.00) Inc(47.1) Azm(177.1) TVD(6551.93) DLS(7.6)



#31 MD(6751.00) Inc(56.4) Azm(180.3) TVD(6610.69) DLS(10.1)

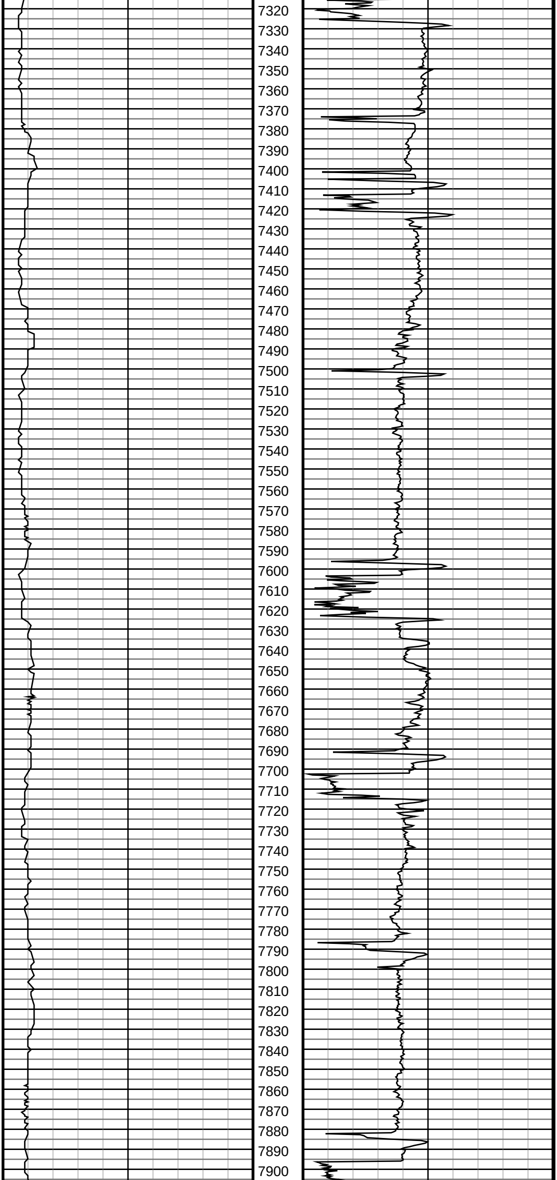
#32 MD(6847.00) Inc(69.5) Azm(180.7) TVD(6654.25) DLS(13.7)

#33 MD(6942.00) Inc(76.9) Azm(178.7) TVD(6681.70) DLS(8.0)

#34 MD(7038.00) Inc(81.2) Azm(180.4) TVD(6699.93) DLS(4.8)

#35 MD(7133.00) Inc(87.7) Azm(182.4) TVD(6709.11) DLS(7.2)

#36 MD(7229.00) Inc(91.3) Azm(182.1) TVD(6709.95) DLS(3.8)



#37 MD(7325.00) Inc(90.6) Azm(180.9) TVD(6708.36) DLS(1.4)

#38 MD(7355.00) Inc(90.4) Azm(181.2) TVD(6708.10) DLS(1.2)

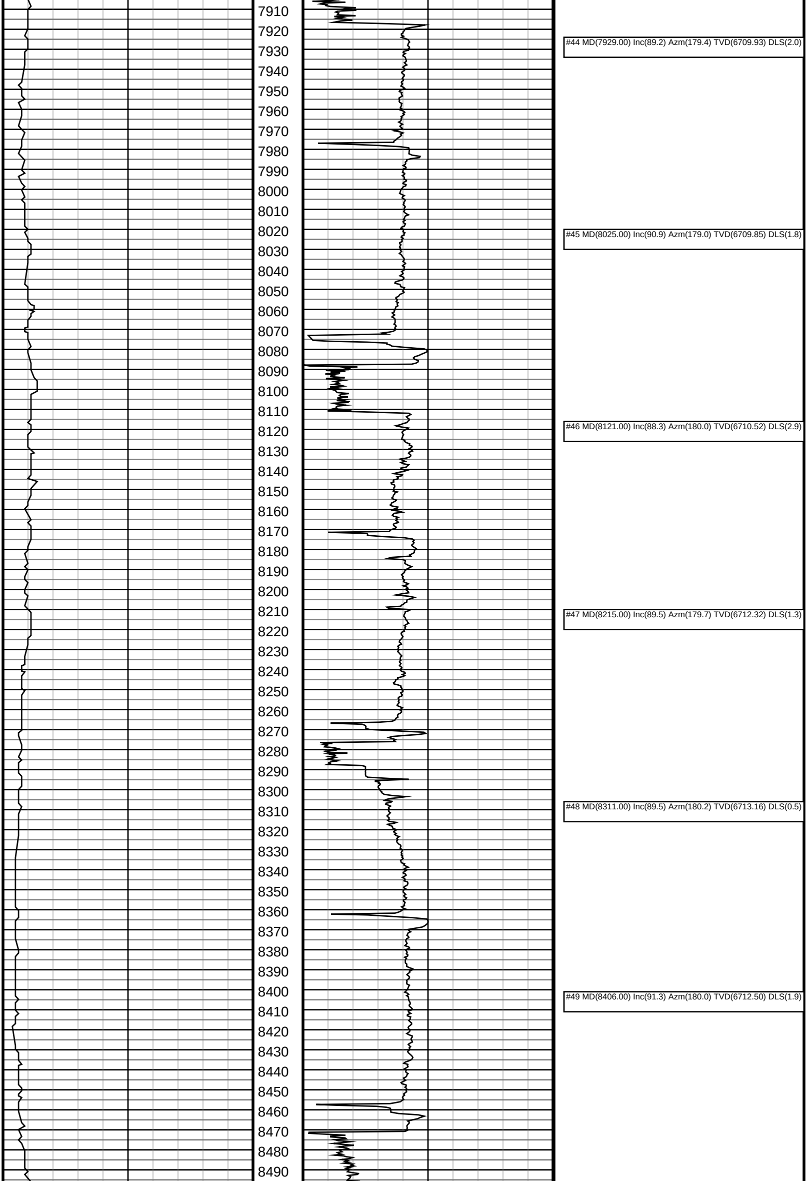
#39 MD(7451.00) Inc(89.4) Azm(181.4) TVD(6708.26) DLS(1.1)

#40 MD(7546.00) Inc(91.1) Azm(181.0) TVD(6707.85) DLS(1.8)

#41 MD(7642.00) Inc(89.8) Azm(179.0) TVD(6707.10) DLS(2.5)

#42 MD(7738.00) Inc(89.3) Azm(179.3) TVD(6707.85) DLS(0.6)

#43 MD(7833.00) Inc(89.5) Azm(177.5) TVD(6708.84) DLS(1.9)



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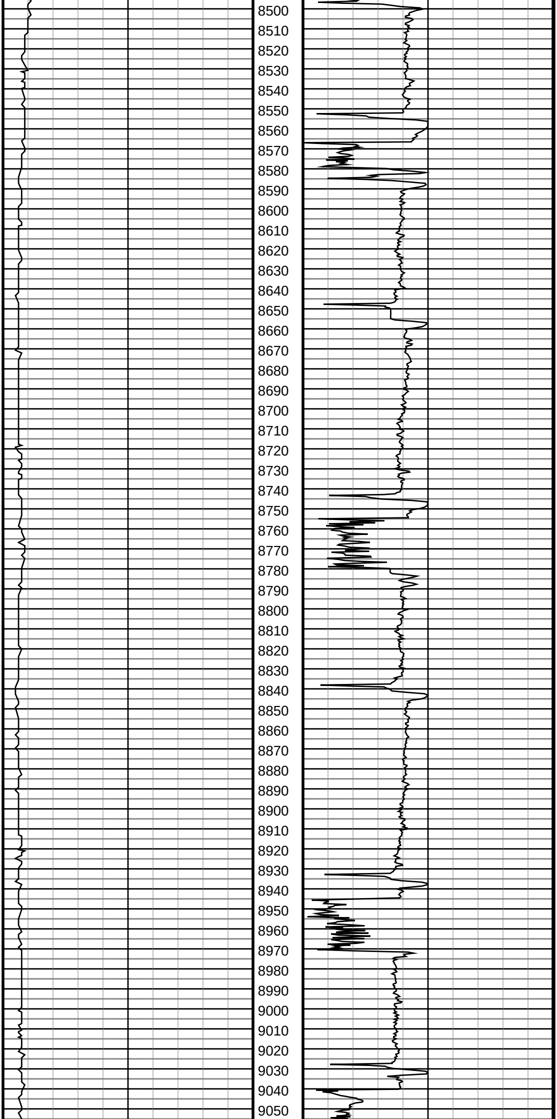
#45 MD(8025.00) Inc(90.9) Azm(179.0) TVD(6709.85) DLS(1.8)

#46 MD(8121.00) Inc(88.3) Azm(180.0) TVD(6710.52) DLS(2.9)

#47 MD(8215.00) Inc(89.5) Azm(179.7) TVD(6712.32) DLS(1.3)

#48 MD(8311.00) Inc(89.5) Azm(180.2) TVD(6713.16) DLS(0.5)

#49 MD(8406.00) Inc(91.3) Azm(180.0) TVD(6712.50) DLS(1.9)



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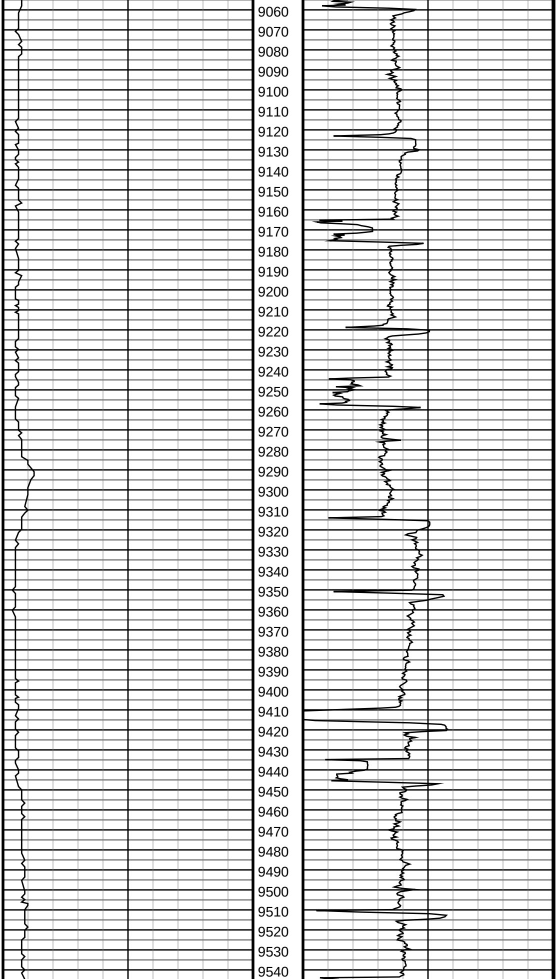
#51 MD(8598.00) Inc(87.9) Azm(180.2) TVD(6714.68) DLS(1.4)

#52 MD(8694.00) Inc(90.0) Azm(179.0) TVD(6716.44) DLS(2.5)

#53 MD(8790.00) Inc(88.3) Azm(179.7) TVD(6717.86) DLS(1.9)

#54 MD(8885.00) Inc(90.0) Azm(178.9) TVD(6719.27) DLS(2.0)

#55 MD(8981.00) Inc(89.4) Azm(180.6) TVD(6719.77) DLS(1.9)



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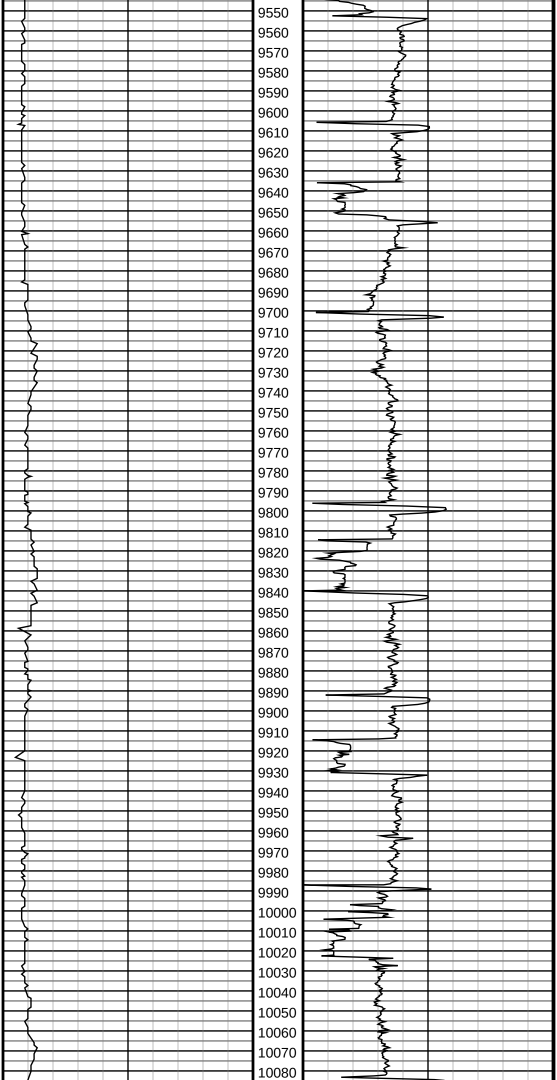
#57 MD(9173.00) Inc(88.9) Azm(181.1) TVD(6724.71) DLS(1.1)

#58 MD(9269.00) Inc(87.4) Azm(181.6) TVD(6727.81) DLS(1.6)

#59 MD(9364.00) Inc(88.8) Azm(181.4) TVD(6730.96) DLS(1.5)

#60 MD(9459.00) Inc(88.8) Azm(180.9) TVD(6732.95) DLS(0.5)



#61 MD(9555.00) Inc(89.4) Azm(180.4) TVD(6734.46) DLS(0.8)

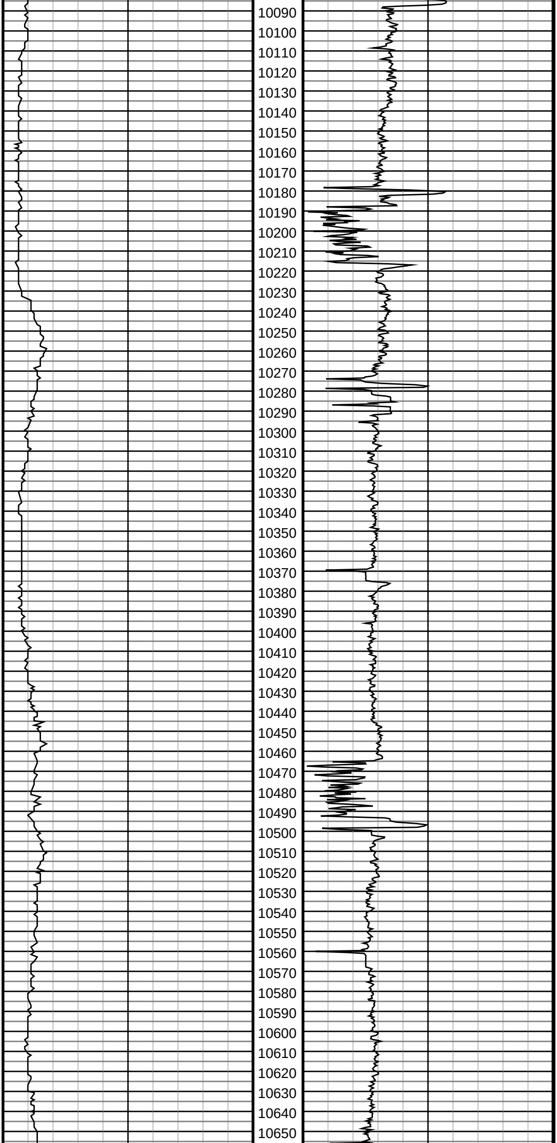
#62 MD(9651.00) Inc(88.3) Azm(178.3) TVD(6736.39) DLS(2.5)

#63 MD(9747.00) Inc(89.1) Azm(177.5) TVD(6738.57) DLS(1.2)

#64 MD(9842.00) Inc(90.3) Azm(180.2) TVD(6739.06) DLS(3.1)

#65 MD(9937.00) Inc(89.4) Azm(182.0) TVD(6739.31) DLS(2.1)

#66 MD(10033.00) Inc(88.6) Azm(182.2) TVD(6740.99) DLS(0.9)



#67 MD(10129.00) Inc(89.9) Azm(181.6) TVD(6742.24)
DLS(1.5)

#68 MD(10224.00) Inc(87.7) Azm(182.0) TVD(6744.23)
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#69 MD(10320.00) Inc(89.3) Azm(181.3) TVD(6746.75)
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#70 MD(10416.00) Inc(92.1) Azm(181.0) TVD(6745.57)
DLS(2.9)

#71 MD(10511.00) Inc(89.4) Azm(179.8) TVD(6744.33)
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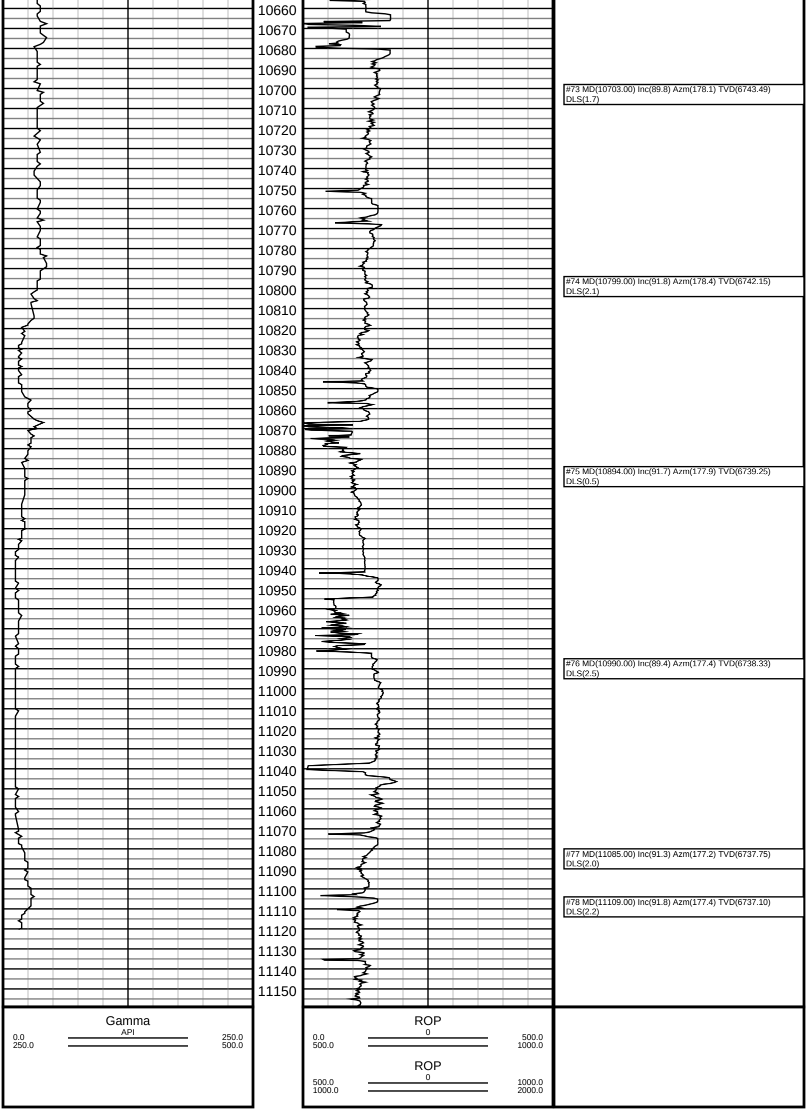
#72 MD(10607.00) Inc(90.9) Azm(179.3) TVD(6744.08)
DLS(1.6)



#73 MD(10703.00) Inc(89.8) Azm(178.1) TVD(6743.49) DLS(1.7)

#74 MD(10799.00) Inc(91.8) Azm(178.4) TVD(6742.15) DLS(2.1)

#75 MD(10894.00) Inc(91.7) Azm(177.9) TVD(6739.25) DLS(0.5)

#76 MD(10990.00) Inc(89.4) Azm(177.4) TVD(6738.33) DLS(2.5)

#77 MD(11085.00) Inc(91.3) Azm(177.2) TVD(6737.75) DLS(2.0)

#78 MD(11109.00) Inc(91.8) Azm(177.4) TVD(6737.10) DLS(2.2)