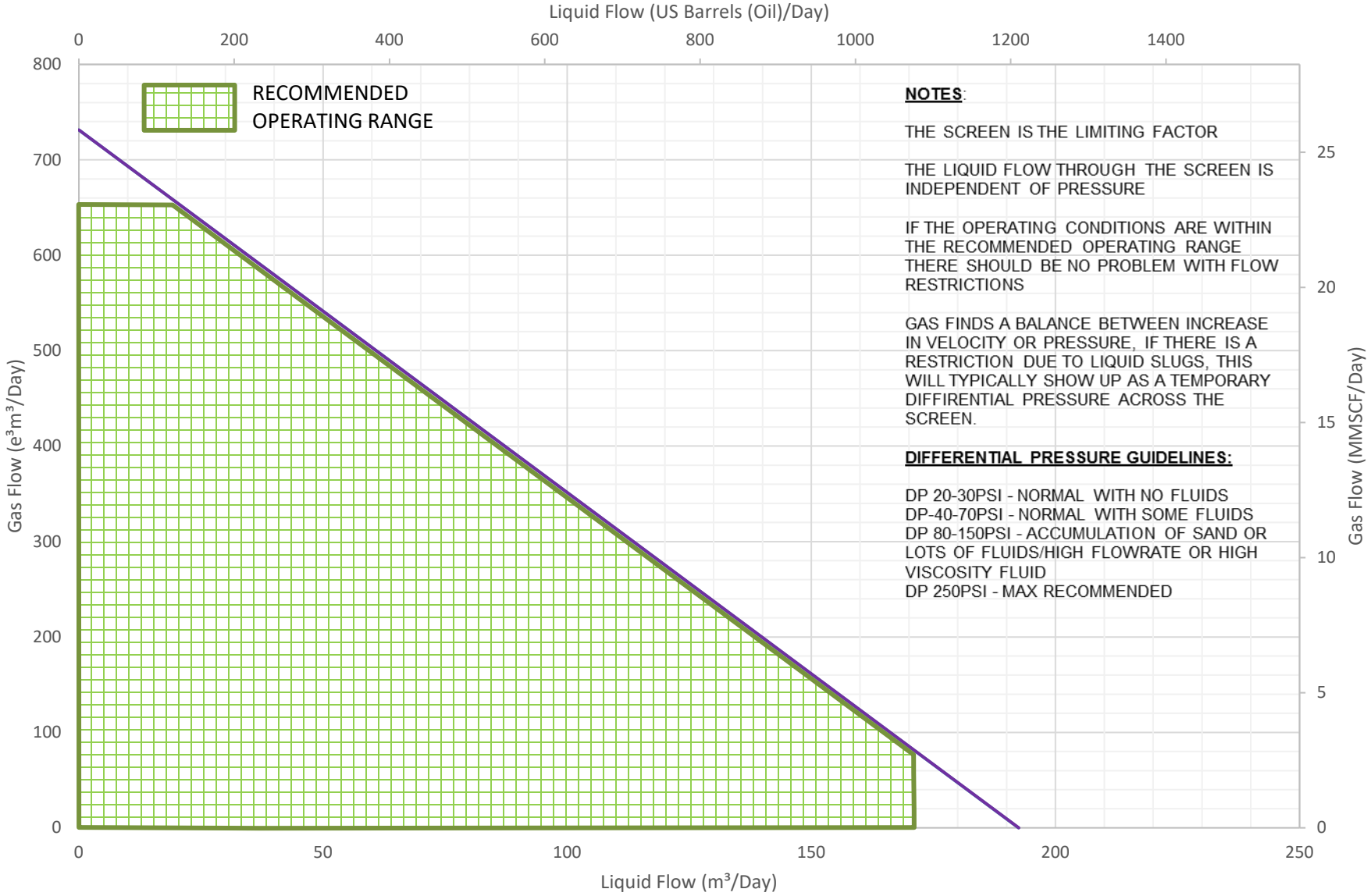
14" Vertical Sandfilter Flow Rates

4" NPS Slotted Screen w/ 0.010" Slot Size (250 micron)



NOTES:

THE SCREEN IS THE LIMITING FACTOR

THE LIQUID FLOW THROUGH THE SCREEN IS INDEPENDENT OF PRESSURE

IF THE OPERATING CONDITIONS ARE WITHIN THE RECOMMENDED OPERATING RANGE THERE SHOULD BE NO PROBLEM WITH FLOW RESTRICTIONS

GAS FINDS A BALANCE BETWEEN INCREASE IN VELOCITY OR PRESSURE, IF THERE IS A RESTRICTION DUE TO LIQUID SLUGS, THIS WILL TYPICALLY SHOW UP AS A TEMPORARY DIFFIRENTIAL PRESSURE ACROSS THE SCREEN.

DIFFERENTIAL PRESSURE GUIDELINES:

DP 20-30PSI - NORMAL WITH NO FLUIDS
DP-40-70PSI - NORMAL WITH SOME FLUIDS
DP 80-150PSI - ACCUMULATION OF SAND OR LOTS OF FLUIDS/HIGH FLOWRATE OR HIGH VISCOSITY FLUID
DP 250PSI - MAX RECOMMENDED