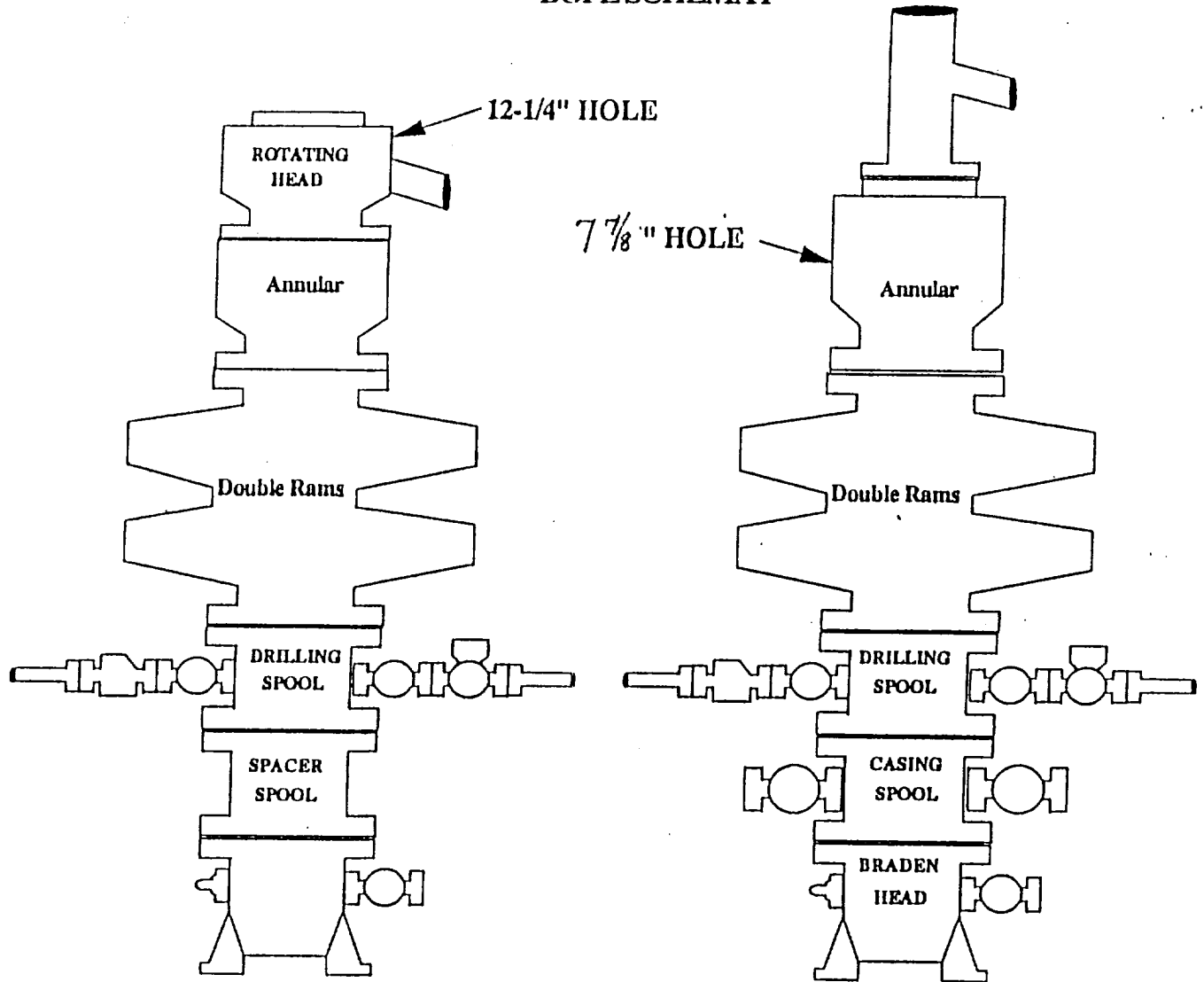
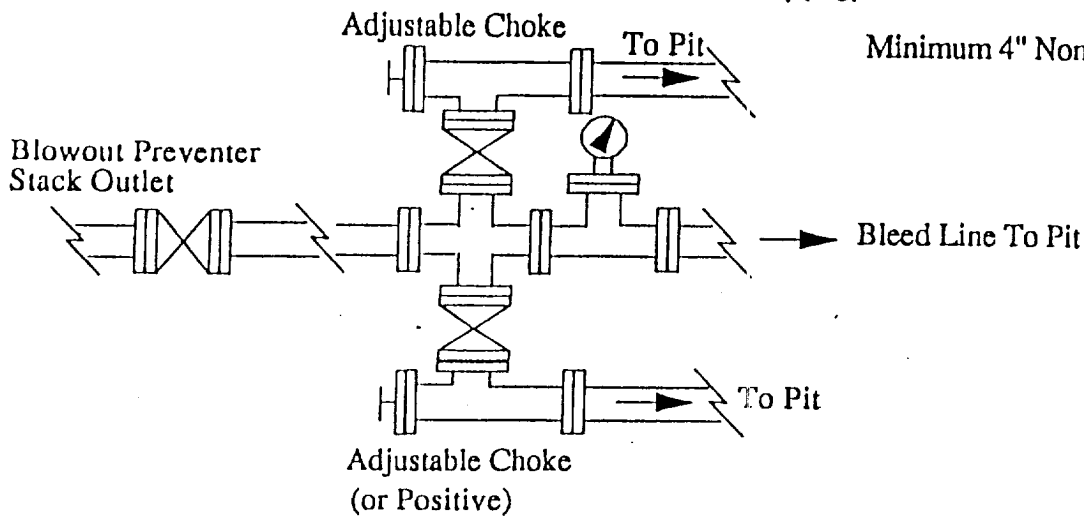


BOPE SCHEMAT



Choke Manifold Requirement (2000 psi WP)
NO ANNULAR Req'd



Minimum 4" Nominal choke and kill lines

MACK ENERGY CORPORATION
 EXHIBIT #1-A