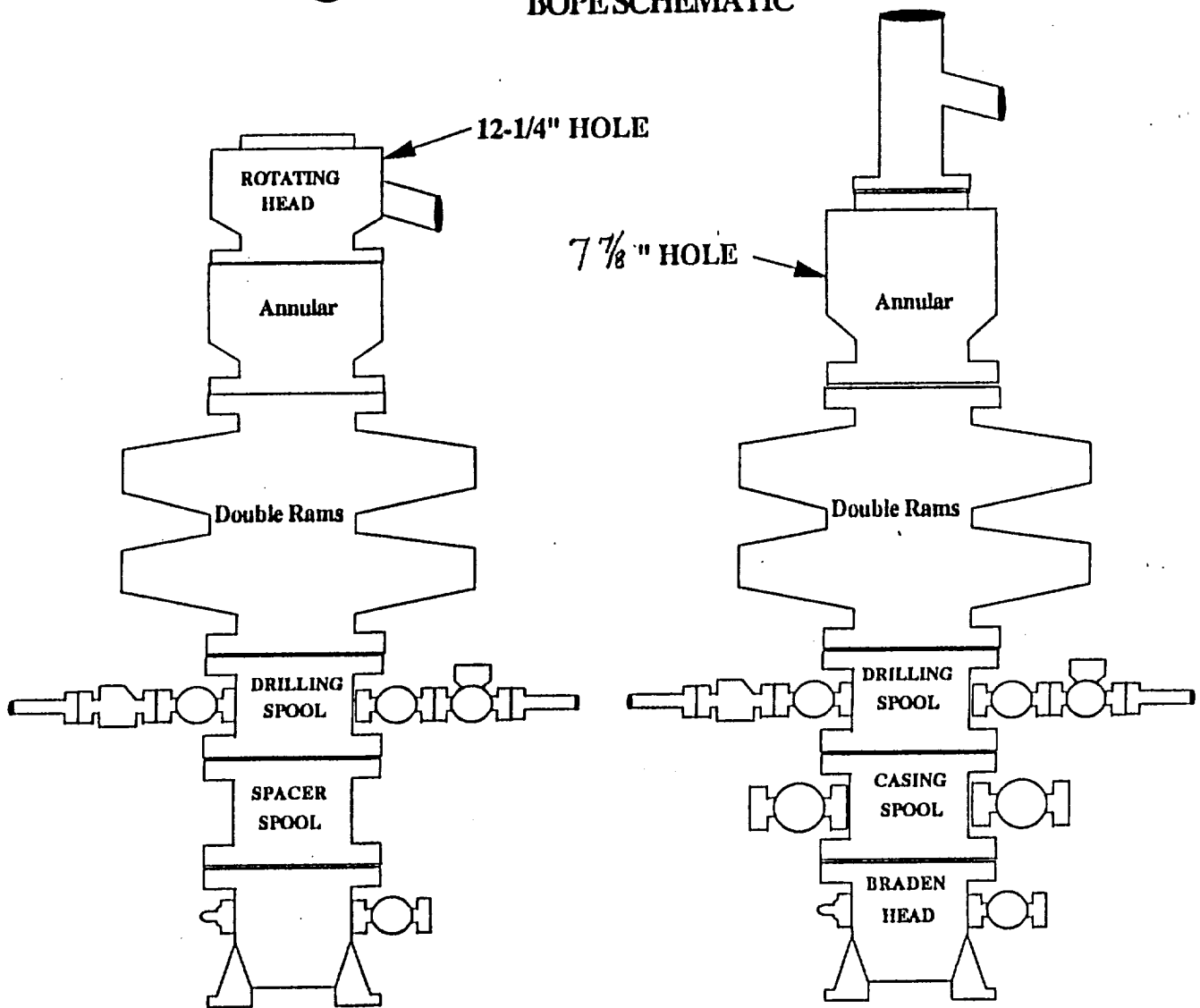
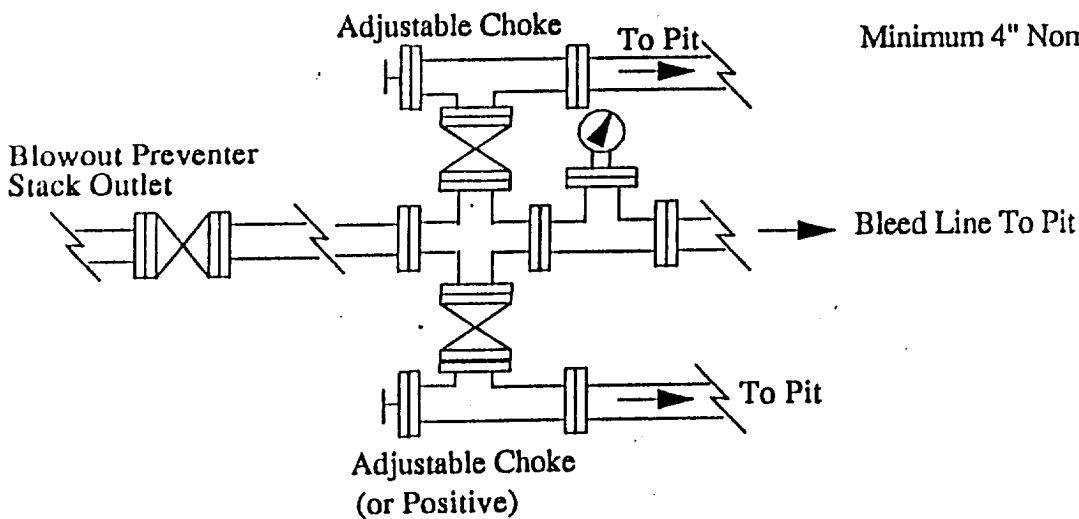


BOPE SCHEMATIC



Choke Manifold Requirement (2 000 psi WP)
NO ANNULAR REQ'D



Minimum 4" Nominal choke and kill lines

MACK ENERGY CORPORATION
 EXHIBIT #1-A
 MCINTYRE DR FEDERAL #8
 330FSL 1650FWL
 SEC17 T17S R30E