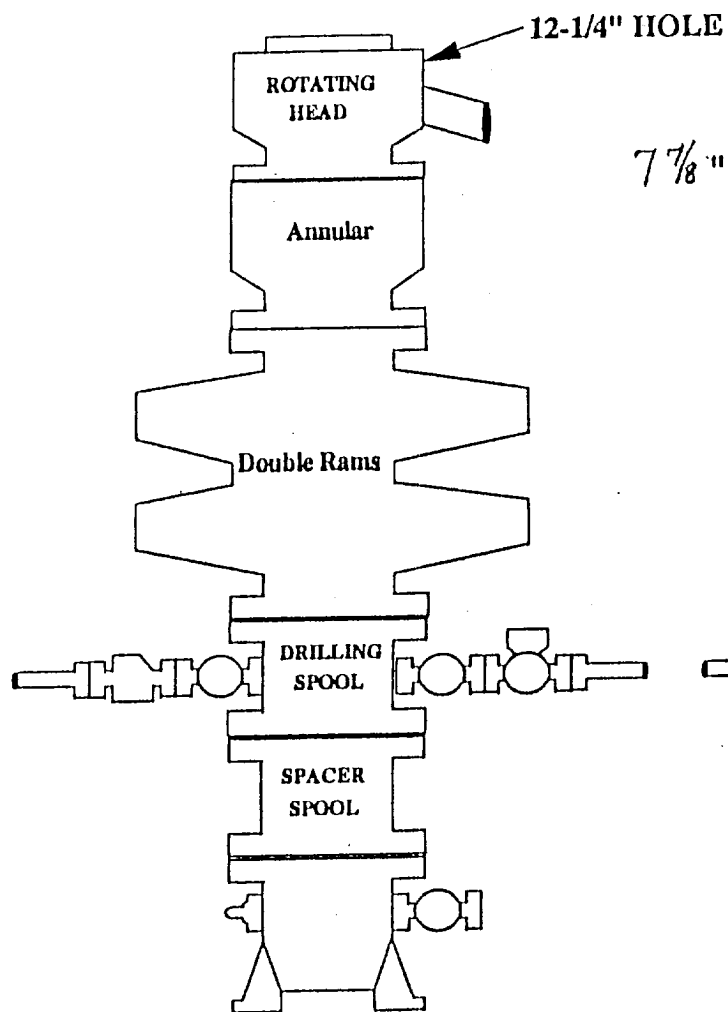
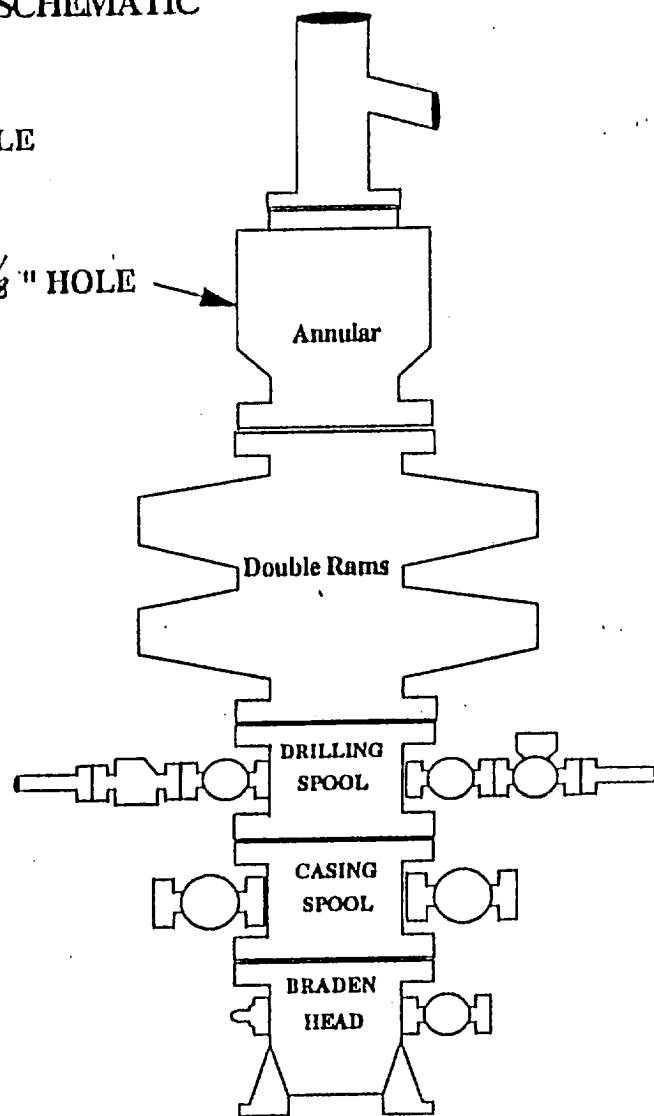


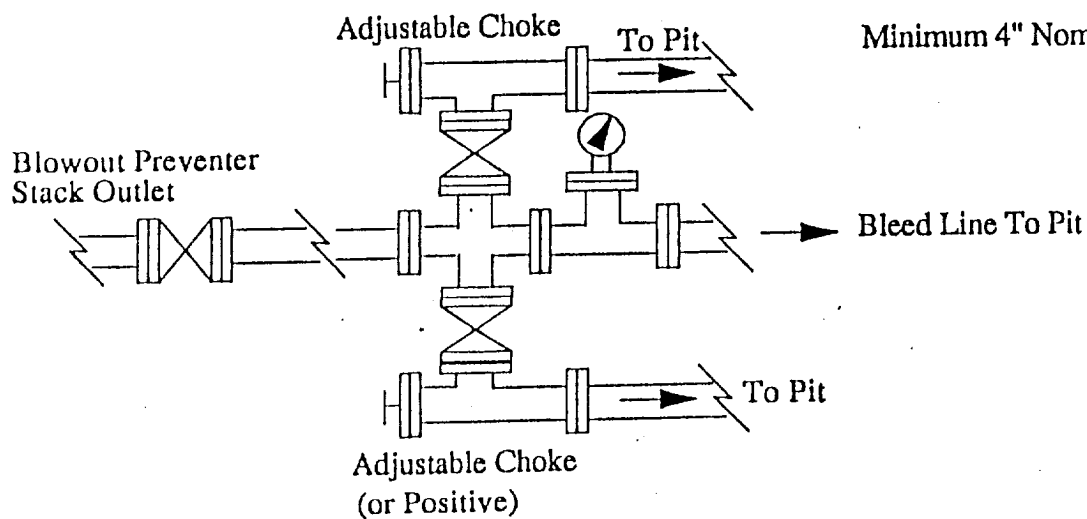
BOPE SCHEMATIC



7 7/8" HOLE



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



MACK ENERGY CORPORATION
EXHIBIT #1-A