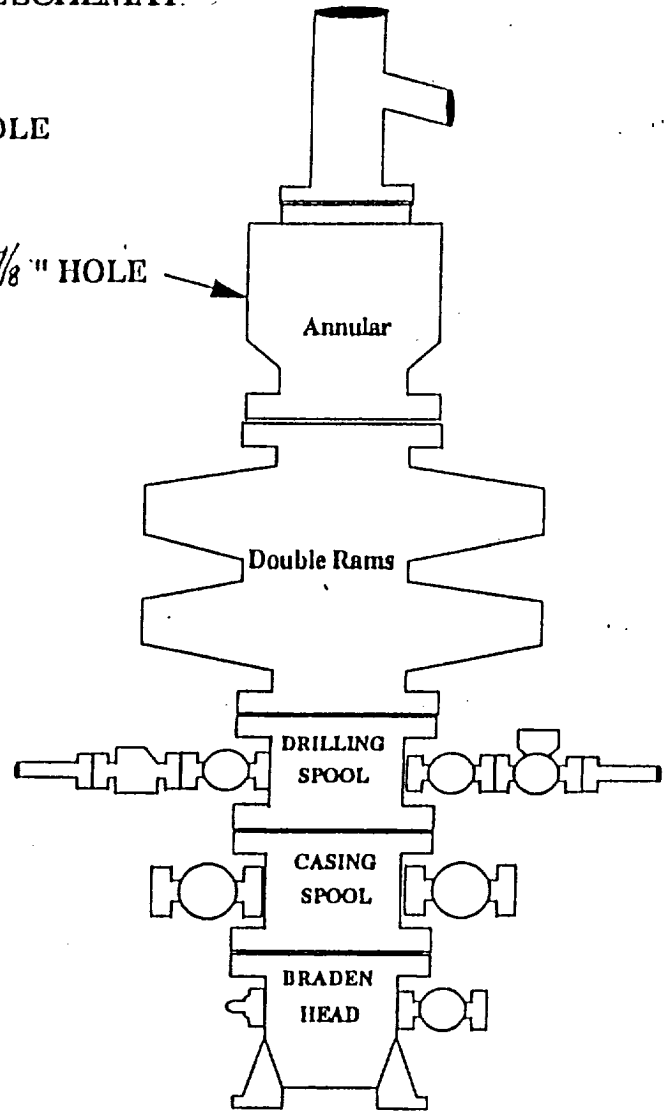
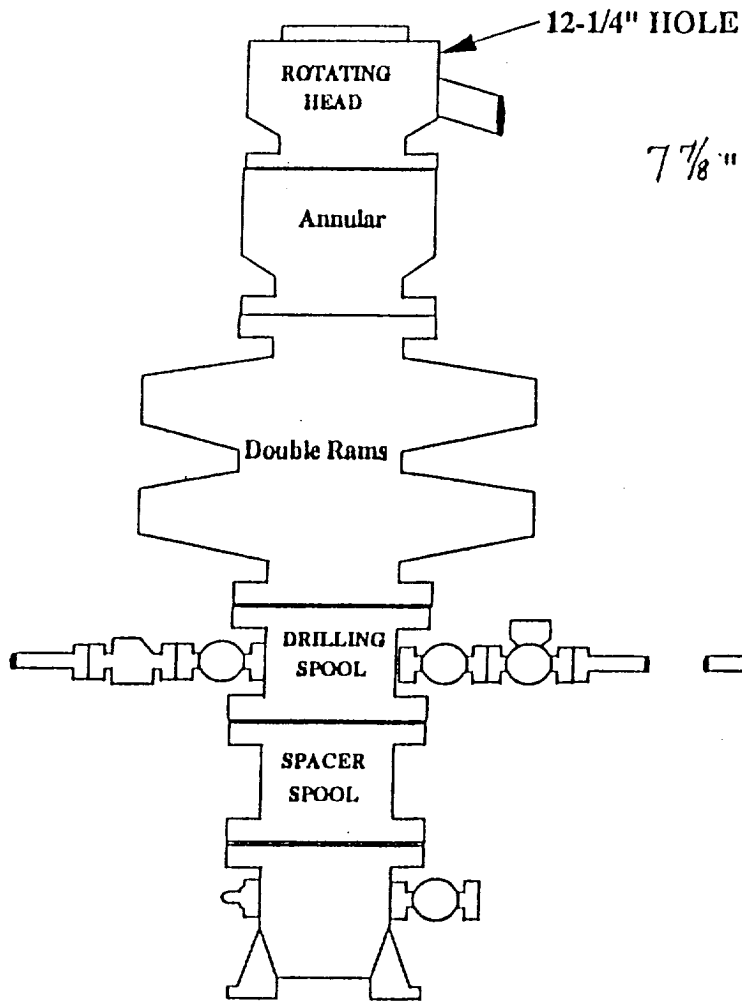
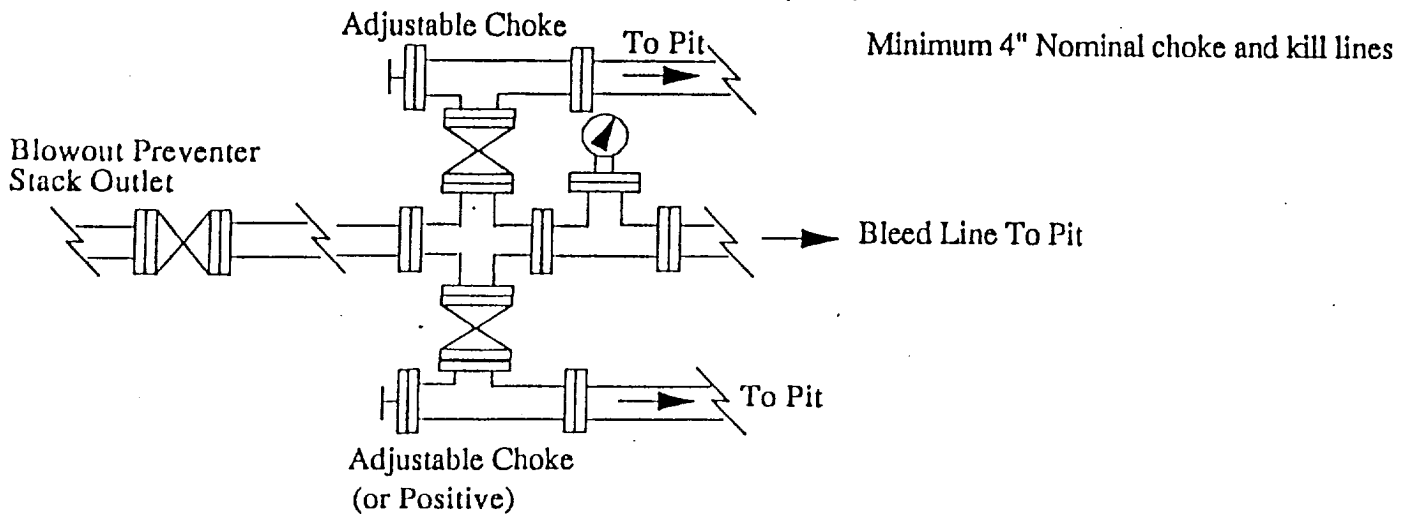


BOPE SCHEMATA



Choke Manifold Requirement (2 000 psi WP)
NO ANNULAR Req'd



MACK ENERGY CORPORATION
EXHIBIT #1-A