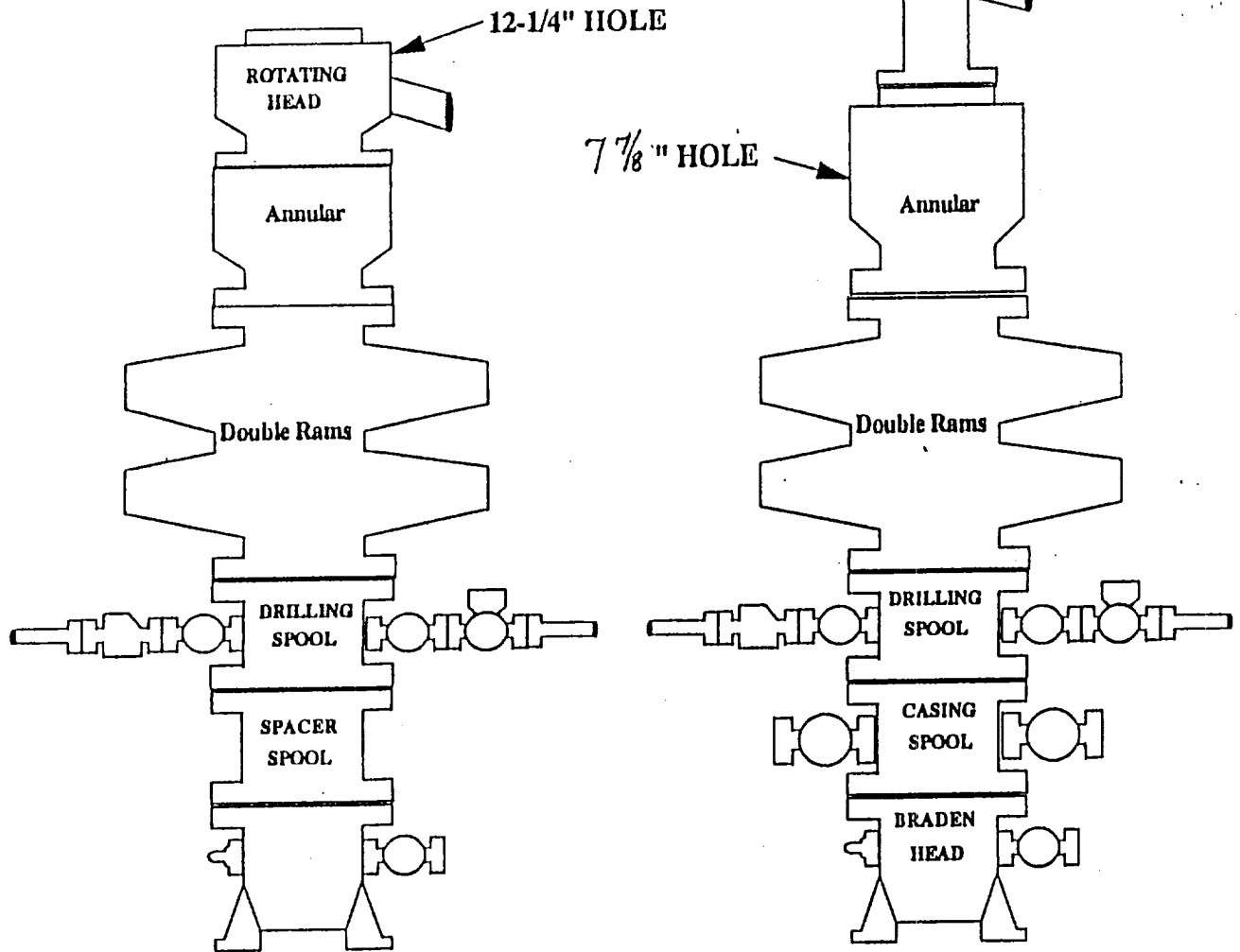
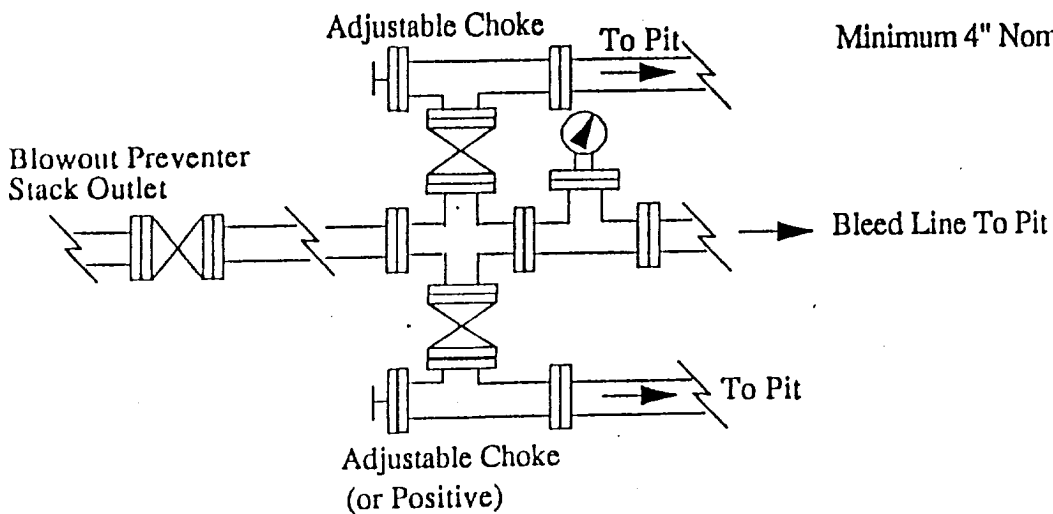


# BOPE SCHEMATIC



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



**MACK ENERGY CORPORATION**  
 EXHIBIT #1-A