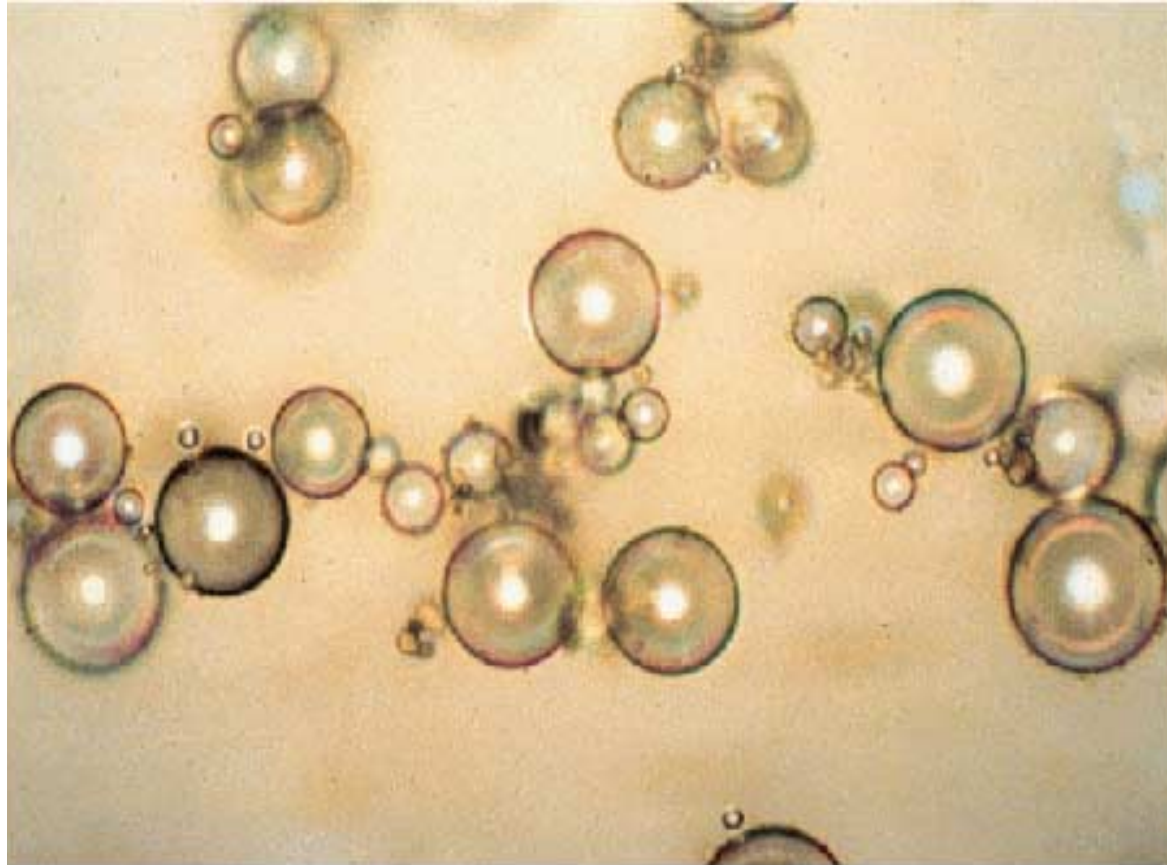


Maurer Engineering, Inc. Light Weight Solid Additives (LWSA)

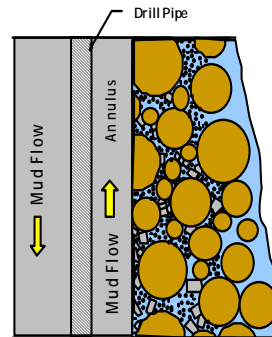


Microscope Photograph of Hollow Glass Spheres - LWSA

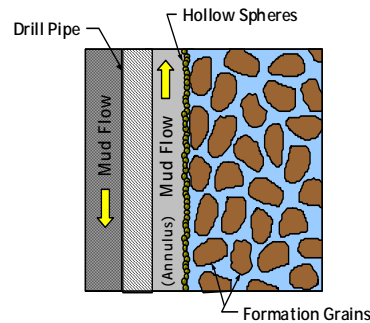


BENEFITS OF LWSA/HGS (Minimizes Formation Damage)

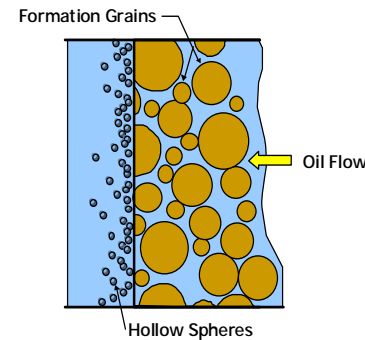
- Formation Grains
- ▣ Mud Particles
- ⋯ Mud Filtrate
- Fluid



Without LWSA/HGS (Conventional Damage Mechanism)



Mud System With LWSA/HGS



Improved Clean-up With LWSA/HGS

With HGS - Up to 100% Permeability Recovery

