

*Recovery of Various Fractions of Crude Oil in Porous Media at the Pore Scale: Application of Synchrotron X-Ray Microtomography*  
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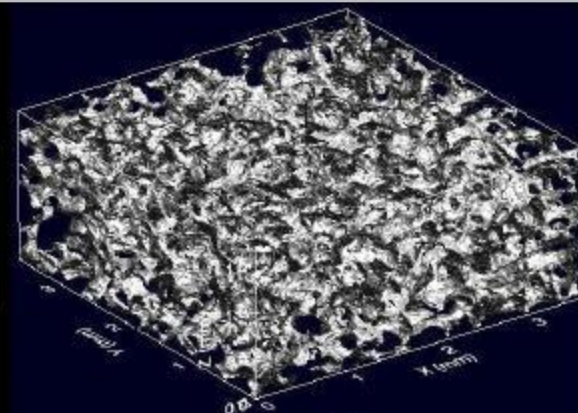
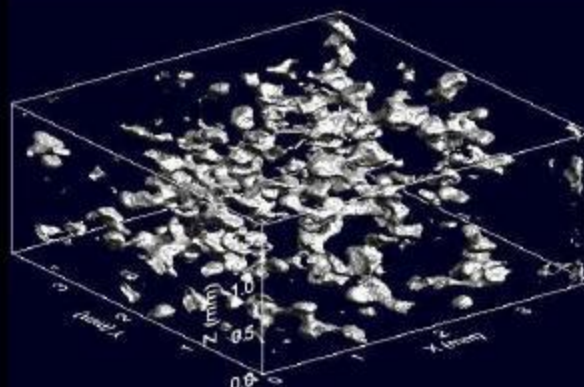
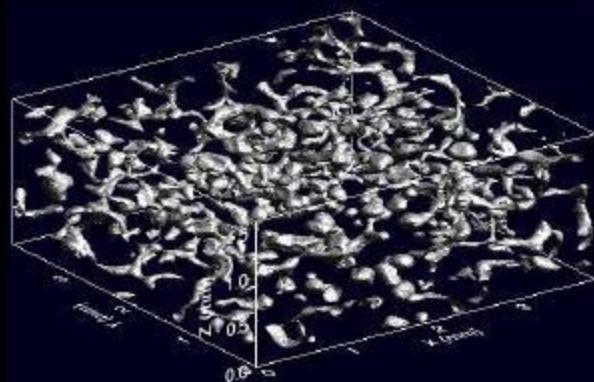
3D distribution of light, heavy and extra-heavy crude oil in homogeneous sand, before and after surfactant floods

Light oil (23.4° API)

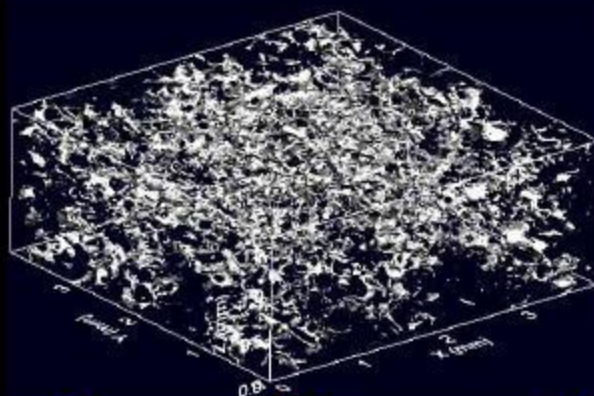
Heavy oil (14.8° API)

Extra Heavy oil (4.2° API)

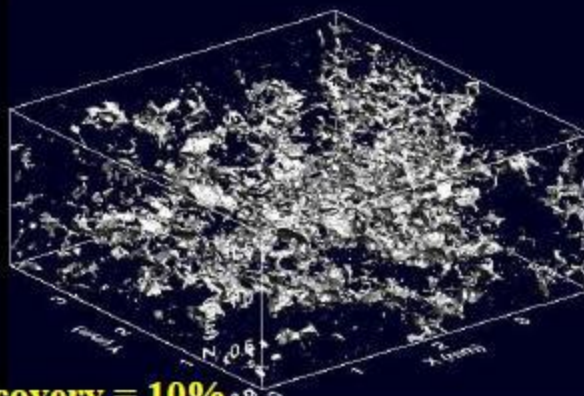
Residual



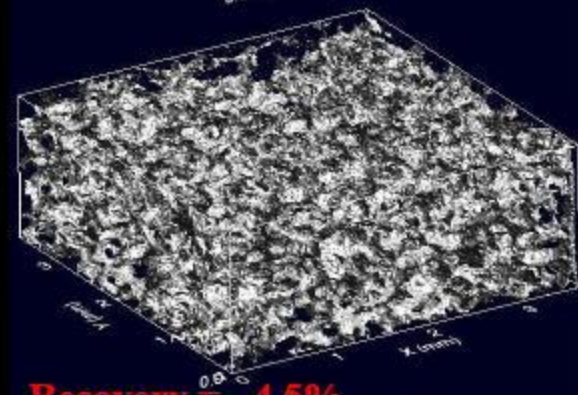
After 2PV



Recovery = 44%

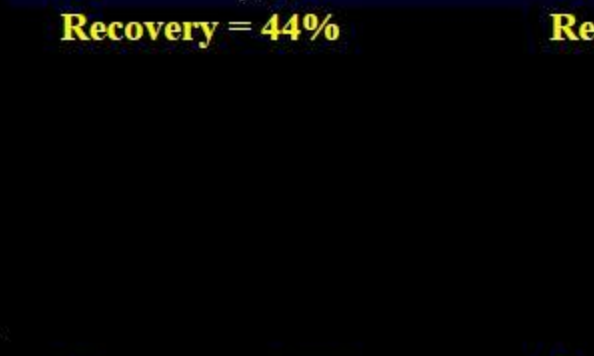


Recovery = 10%



Recovery = -4.5%

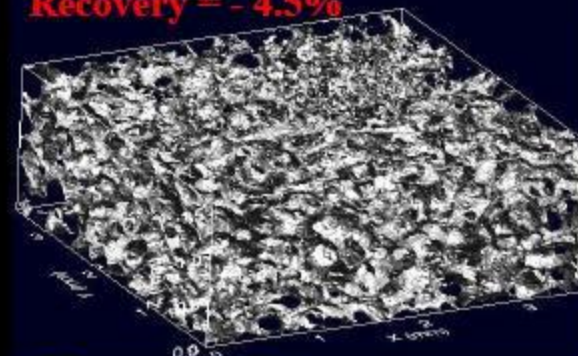
After 5PV



Recovery = 100%



Recovery = 100%



Recovery = 6%