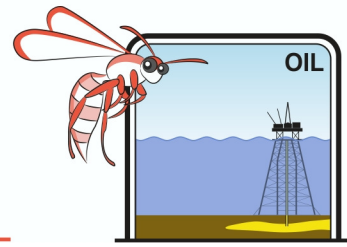


Pressure Lift - Student Activity



When the reservoir is drilled, oil and gas is released to the surface. In time pressure within the confining rock decreases and hydrocarbon flow slows. Pumping water and gas into the reservoir rock can increase reservoir pressure and cause the hydrocarbon flow to return to economic levels.

Materials per student or group

- An empty clear soft drink bottle with the paper label removed
 - A sachet of salad cream, tomato sauce, soy sauce or other condiment.
 - Water
1. Fill the bottle almost to the top with water.
 2. Add the condiment sachet
 3. Firmly screw on the lid
 4. Squeeze the bottle with one hand and observe
 5. Draw what you observed
 6. Try squeezing harder and observe

Equipment assembled	Equipment squeezed
