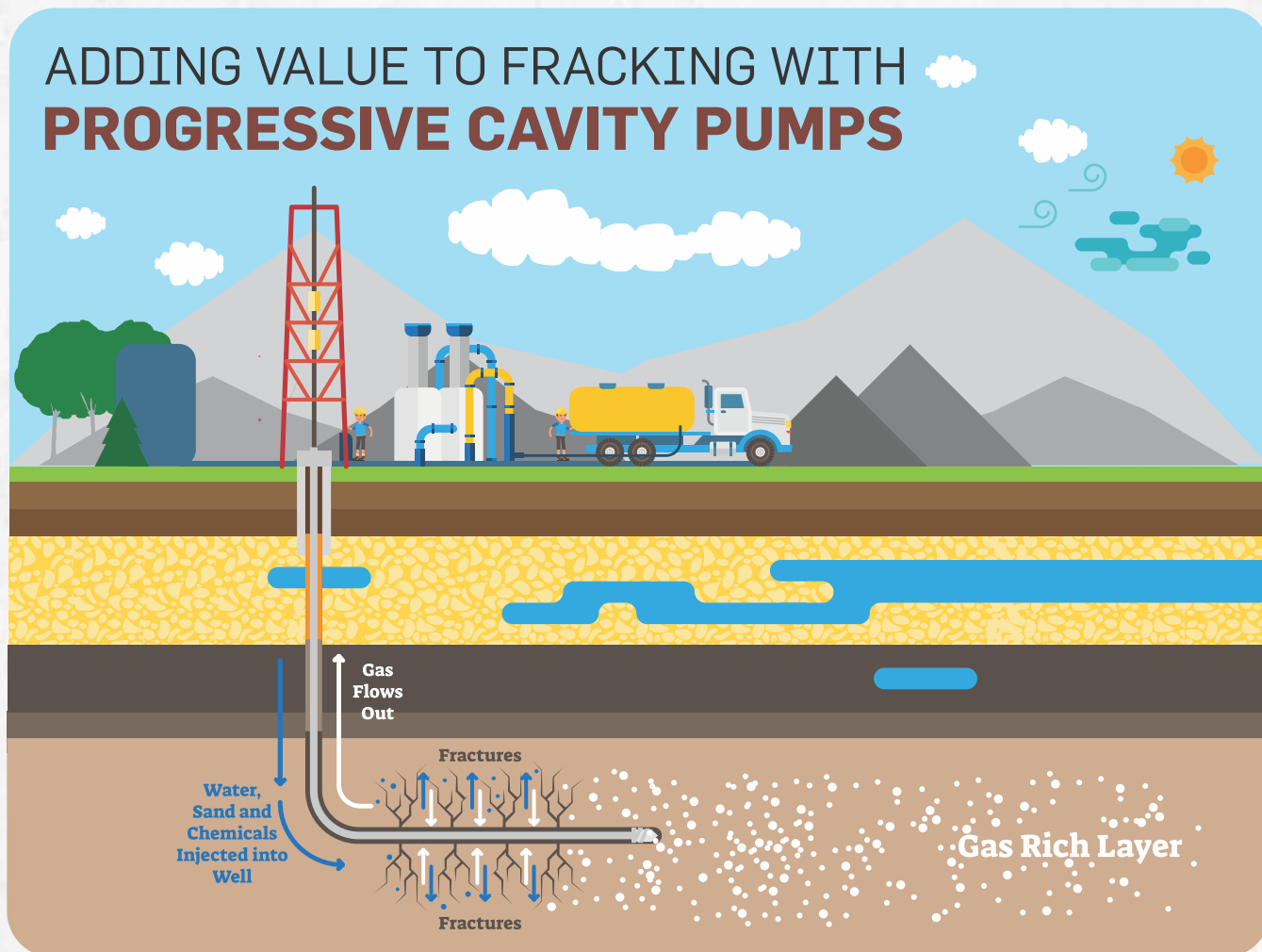


ADDING VALUE TO FRACKING WITH PROGRESSIVE CAVITY PUMPS



Fracking Process

Fracking is a technique used when drilling for natural gas and oil. In this technique, rock below the surface is fractured open using a pressurized liquid made up of sand, water, and chemicals.

Once the well is drilled, a perforating gun is sent down the well and electric impulses create holes in the shale. Then, the proppant is sent down to open the shale and hold open the cracks in the shale.

The proppant is made up of 99% sand and water. The proppant allows the gas and fluid to escape the shale and flow up the well.

Applications of Roto's Progressive Cavity Pumps in Fracking duties:

- Meter, Blend and transfer fracking liquids to the high pressure injection system
- To feed separators after oil/fluid extraction
- To feed water treatment equipment and transfer sludge
- To meter and inject treatment chemicals

Roto Pump offers the following advantages:

- **API 676 3rd edition rotary positive displacement pumps**
- **Seal Support System as per API 53B**
- **Shaft Seal as per API 682 4th edition**
- **Coupling & Guard as per API 610/671, AGMA 9001**
- **Pressure relief valves as per API 520/526**



PCP Pump

Flow Rate: 420 m³/hr.
Discharge Pressure: 48 Bar

These heavy duty pumps are designed for continuous duties and are suitable to perform efficiently even for the most difficult fluid handling applications. These pumps are available in Closed Coupled & Bare shaft Configuration.