**CO2 EOR Frequently Asked Questions**

**How does CO2 flooding works?** Water flooding leaves a significant amount of oil in the reservoir due to the immiscibility between water and oil. With CO2 flooding, CO2 and oil mix above a pressure known as the minimum miscibility pressure (MMP). At or above the MMP, CO2 acts as a solvent, providing a cleaner sweeping of the reservoir and leaving a small residue behind. At pressures below the MMP, CO2 assists oil production by swelling the oil and reducing its viscosity.

**Typical field size for CO2 flood:** original oil in place of more than 5 million barrels, and have more than 10 producing wells.

**Expected oil recovery:** Potential recovery varies between 8% and 16% of the original oil in place.

**Time between CO2 injection and increased oil production:** Typically one to two years, depending on well spacing.

**Equipment upgrades:** Minimal if currently use water flooding.

**Successful CO2 flooding projects currently in operation:** Weyburn and Midale fields in Saskatchewan, Permian Basin in Texas, Oklahoma, Utah, the Rocky Mountain region, Hungary, Turkey and other locations.

**Other benefits of CO2 flooding:** carbon reduction through CO2 sequestration, carbon credits, jobs creation, additional taxes revenues, less dependence on foreign crude, less water consumption.