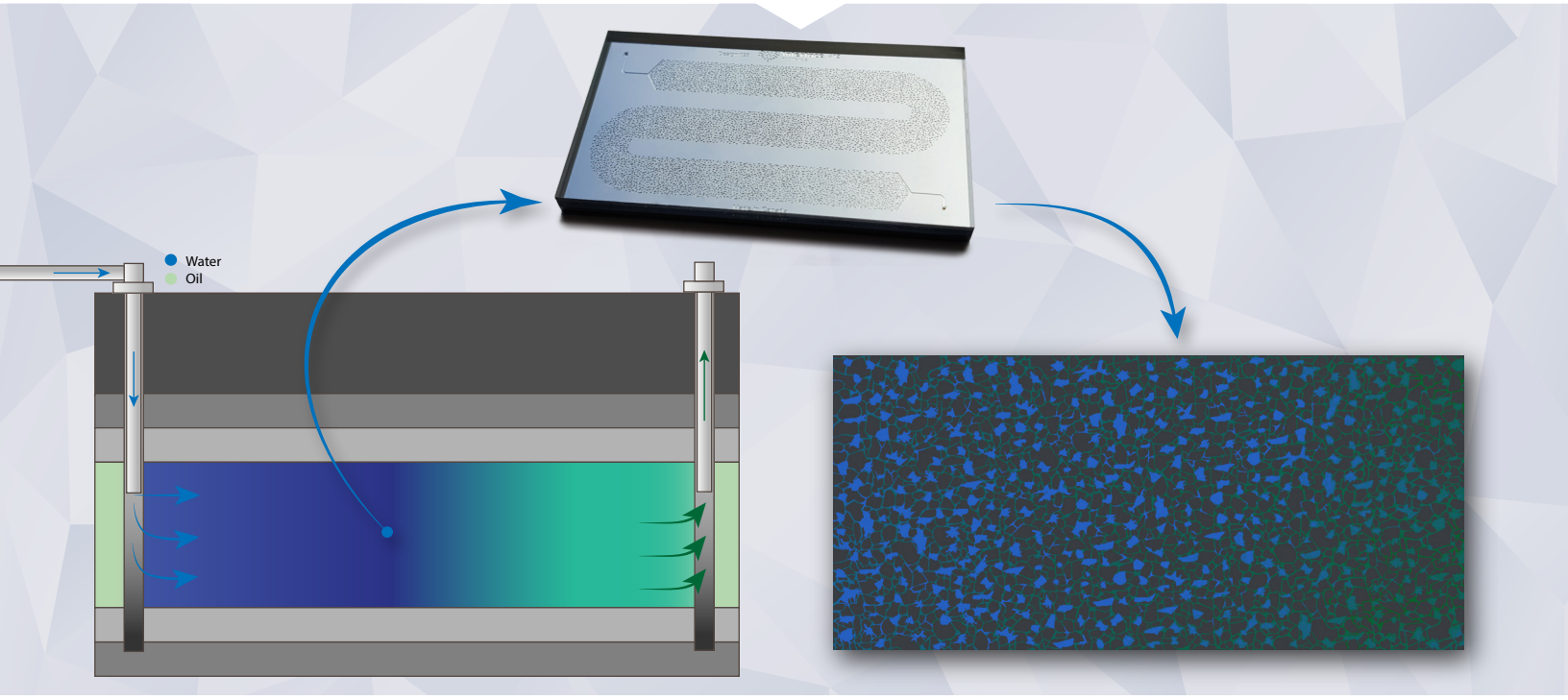
Interface FLUIDICS

Chemical EOR Optimization

Rapidly de-risk and optimize chemical performance

Quickly and repeatably evaluate chemical EOR performance to increase oil recovery.

During the waterflooding process, large areas of the reservoir can be left unswept due to unfavorable mobility ratio and early water breakthrough. After waterflooding, chemical EOR is a proven method to increase oil recovery, and evaluating chemical performance is crucial for selecting the correct formulation and concentration for each well. Chemical performance varies depending on oil properties, salinity, temperature, wettability, original oil in place, and pore geometries. Informed chemical selection and optimization mitigates well damage risk and achieves higher production.



Rapidly assess chemical EOR fluid performance and compatibilities

Interface's Chemical EOR Optimization provides engineers and supply chain professionals with decision-ready data and analysis to rapidly assess chemical EOR fluid performance and compatibilities for:

- Surfactants
- Polymers
- Nanofluids
- Emulsions
- CO_2 Foams
- Solvents

Methodology

Interface's Chemical EOR Optimization uses reservoir analogues designed and fabricated to be representative of each reservoir's unique properties including pore geometries, permeability, and porosity. Interface's methodology replicates your reservoir attributes, your reservoir fluids and your EOR procedures and approach.

Benefits

Optimizations are repeatable, rock variability is removed, and the system and methodology is highly controlled.

Optical access enables identification of:

- Residual oil saturation across the porous media
- Viscous fingering and fluid front dynamics
- Solids precipitation
- Emulsions
- Polymer retention

Unlock additional oil recovery through the optimization of chemical EOR in your reservoir.

Interface Fluidics is a technology company providing energy industry clients insights into the interactions and properties of reservoir fluids to help them improve their financial performance and ensure the responsible development of their oil and gas assets.

	Beaker Test	Core Test	Interface FLUIDICS
Speed	✓	✗	✓
Does not require cuttings or core	✓	✗	✓
Reservoir conditions	✗	✓	✓
Videos of pore-scale fluid flow	✗	✗	✓
Repeatable	✗	✗	✓
Cost	$	$$$	$$

Contact us today to set up a technical lunch and learn

Interface FLUIDICS

info@interfacefluidics.com
www.interfacefluidics.com