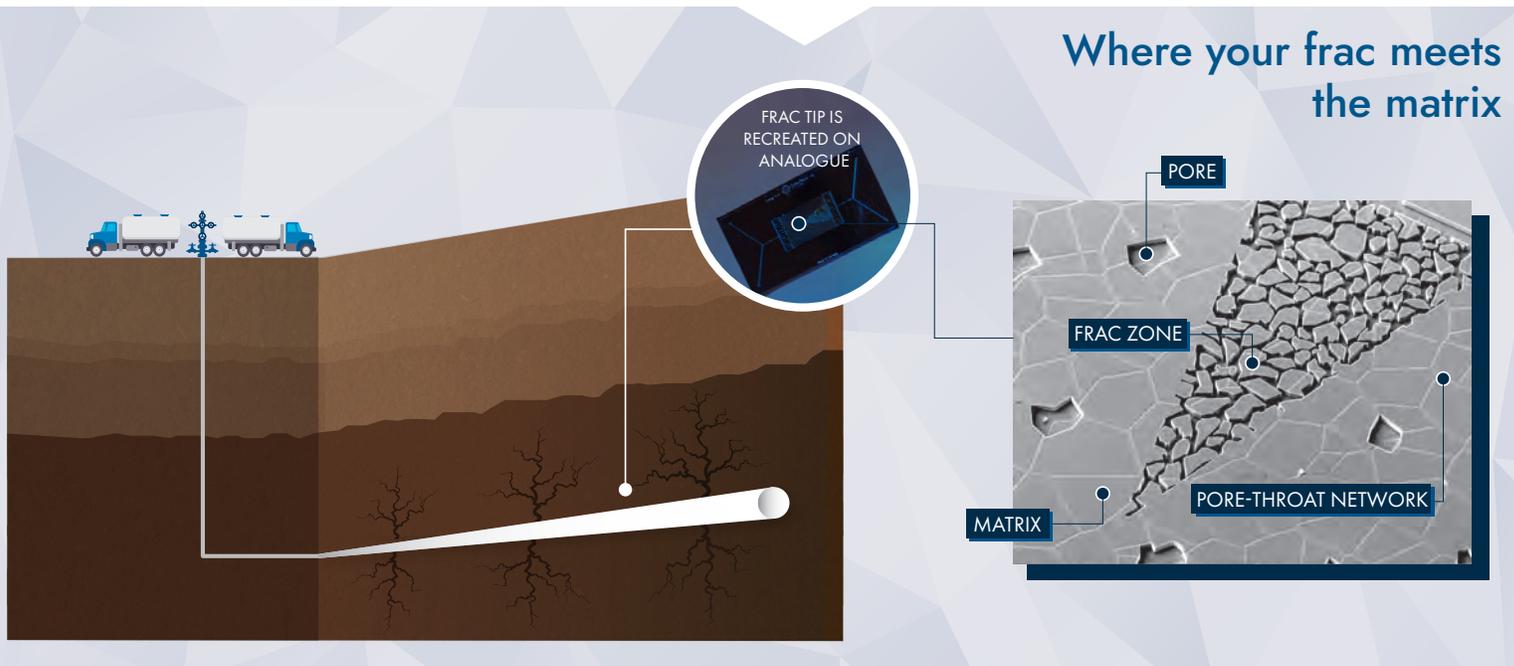


# Flowback

## Fracturing fluid performance optimization

**Make better decisions on how your frac stimulation fluid choices impact your reservoir and expected production.**

Interface's Flowback Fluid Performance Optimization provides you with the data required to make strategic, cost-saving completions decisions that help increase hydrocarbon recovery. Our screening methodology use reservoir analogues that are fabricated to represent your reservoir parameters including surface wettability and pore-throat size. The reservoir analogues are saturated with your oil and water to ensure they further reflect your specific well properties. Flowback is run at reservoir conditions, including temperature, pressure, and pore scale fluid flow rates.



### Applications

- Evaluate a range of down-hole chemicals to identify top performing additives, to make data-driven decisions.
- Improve chemical loadings to ensure return on investment is optimized.
- Quantify the impact of breakers with various friction reducers.
- Understand how different variables impact oil recovery and chemical performance, such as system wettability, pore-throat size variance, and water salinities

## Your Benefits

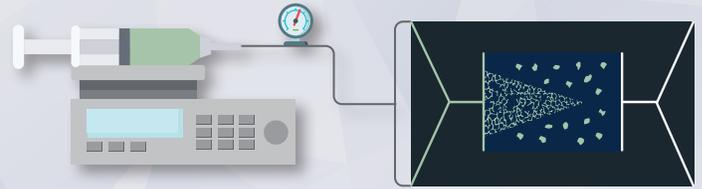
Rapidly quantify flowback fluid performance and compatibilities:

- surfactants
- nano-fluids
- friction reducers
- HVFRs
- breakers
- nanoparticles
- enzymes
- The analogues are identical and the system is highly controlled and repeatable.
- Visual insights allow you to observe how fluids are interacting in your reservoir.
- Avoid fluid dosing and combinations that can potentially damage your reservoir.

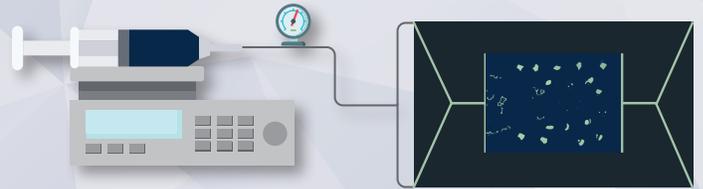
**Interface's nanotechnology fluid analysis platform helps you realize additional oil recovery by optimizing frac fluid loading and performance.**

A key benefit of Interface's nanotechnology platform is the ability to understand dominant mechanisms occurring at the nanoscale, including capillary pressure effects, interfacial tension, and wettability modifications. In addition Interface's tests offer speed, accuracy and cost advantages over traditional testing methods.

### STEP 1 - Preparations



### STEP 2 - Injection



### STEP 3 - Oil Flowback



Flowback is ideally suited to evaluate how various stimulation fluids impact the volume of oil flowed back.

**Get a more complete picture before going to the field.**

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



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