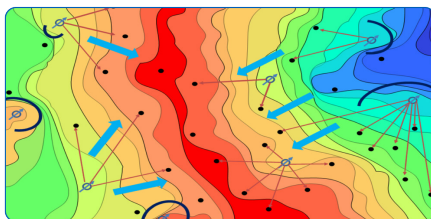
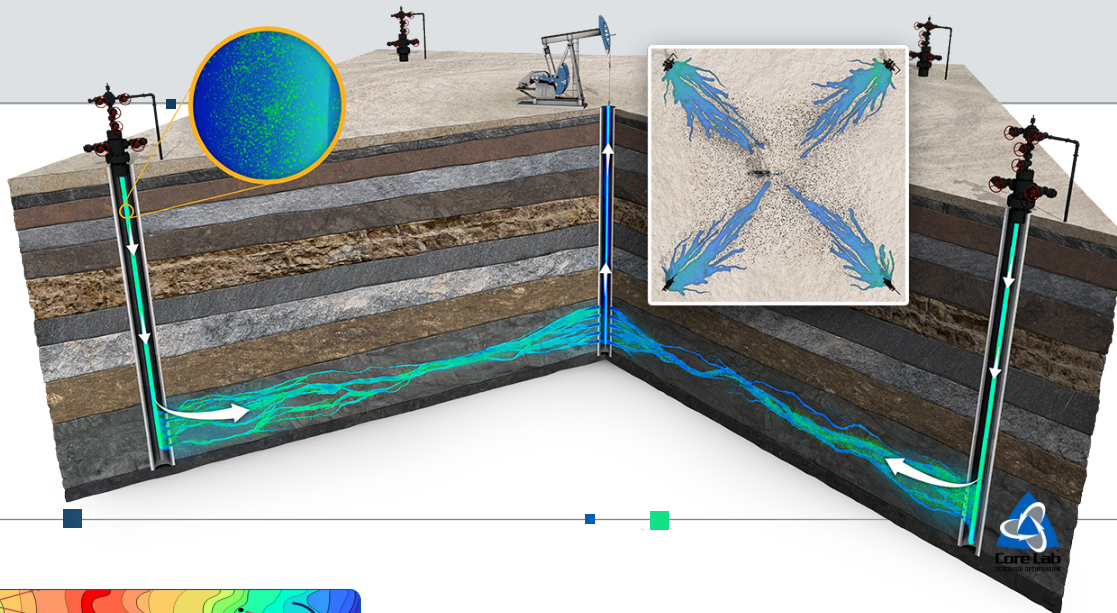




Optimize flood performance during any stage of the IOR/EOR process

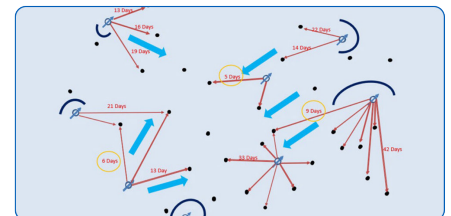
SPECTRAFLOOD® is an interwell tracer diagnostic service that comprises a versatile array of unique chemical tracers designed to track the movement of injected fluids within the reservoir. Commonly referred to as a tracer survey, chemical tracers are deployed into target injection wells and sampled at pattern and off-pattern producers, yielding specific qualitative information about the reservoir such as:

- ▶ Direct Communication Between Injector and Producer
- ▶ Exact Breakthrough Times Between Injector and Producer
- ▶ Identification of Natural Fractures, Thief Zones and Faults
- ▶ Extent of Formation Layering
- ▶ Swept Pore Volume and Sweep Efficiency
- ▶ Conformance Gel Treatment Volume Estimation



SPECTRAFLOOD® interwell tracers can also be used to evaluate reservoir heterogeneity during an IOR/EOR pilot study. An understanding of reservoir heterogeneity is crucial to the success of any IOR/EOR process. Interwell tracers provide the only means of directly tracking the movement of injected water through the reservoir.

Samples are collected according to a precise sample schedule, providing a chronological analysis over time. Laboratory analysis follows stringent QC through adoption of EPA quality control management standards and reports in parts per trillion (ppt).



SPECTRAFLOOD® tracers are non-radioactive, HSE friendly, chemically inert, and do not degrade over time.