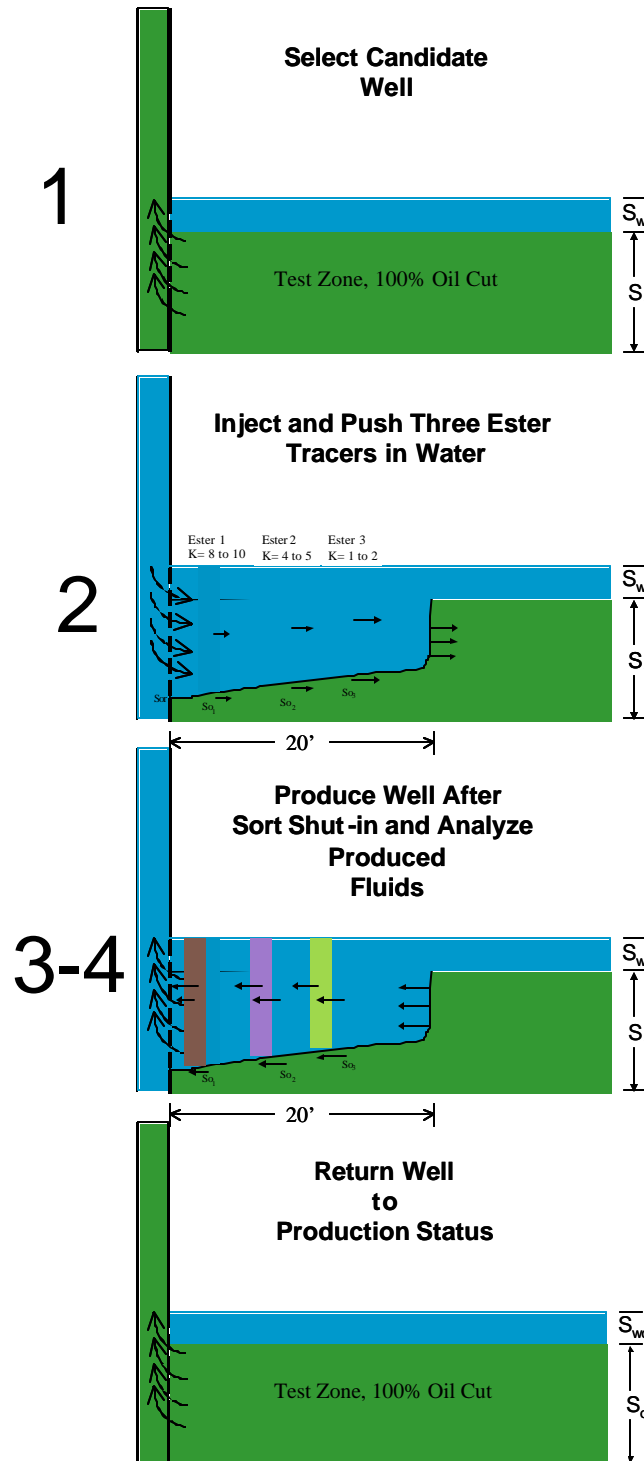


Operational Steps of the Single-Well Tracer Test Method for Measuring Fractional Flow of Oil

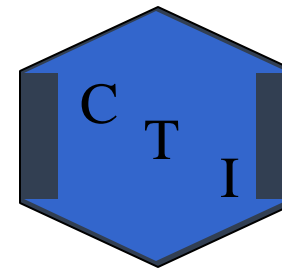
1. Select 100% oil producing well in zone of interest.
2. Inject a small volume of water carrying three ester tracers and push volume.
3. Shut-in well for short reaction period
4. Produce well and analyze fluids for tracers and oil cut.



IN-SITU OIL FRACTIONAL FLOW MEASUREMENT

$$f_o$$

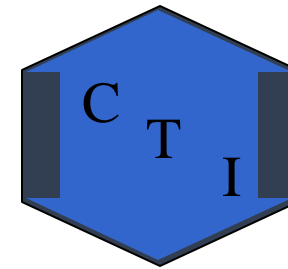
By the
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In-Situ Oil Fractional Flow Data Can Provide Direct Input to:

In-Situ SWCT Oil Fractional Flow Features:

- Quick answers. The test sequence is completed in about two weeks.
- Proven Method. The SWCT oil fractional flow test method is proven. With connate water, residual oil, and reservoir oil-water viscosity data, oil and water relative permeability can also be determined.
- Large sample. The SWCT test investigates several hundred barrels of reservoir pore space.
- Low cost. SWCT in-situ measurements are comparable to corresponding specialized laboratory measurements.
- Non-destructive. Test-Well oil production rate not affected.

- **Water Flood performance prediction**
- **Reservoir Modeling**
- **Reservoir Characterization**