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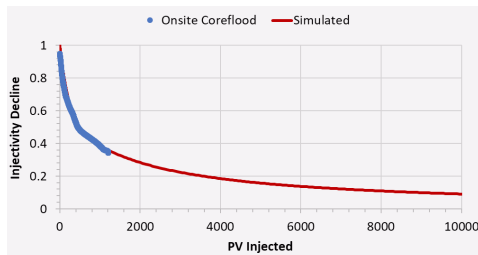
## Onsite Coreflood Evaluation

### Automated Produced Water Re-injection (PWRI) Evaluation Tool

Achieving volumetric injection targets into a selected reservoir can only be sustained as long as the injected water meets minimum quality specifications.

However, clear insight into the permeability reduction effects, resulting from injecting the actual produced or source water, can offer valuable empirical data needed for establishing injection water requirements, gain understanding in filter cake build-up, and simulate reservoir flood performance.

With the help of its automated onsite coreflooding rig, PanTerra is able to provide the much needed data by monitoring permeability reduction trends, whilst injecting a water of known quality into a core plug that is deemed representative for the reservoir to be flooded, under actual and/or predicted pressure drop conditions. Further, it can also monitor the quality of water with its inline particle size analyser.



#### Applications:

- Water treatment design
- Production model calibration
- Time dependent skin prediction
- Workover forecast

#### Benefits:

- Most reliable data to evaluate injection issues
- Prolonged and continuous injection
- Real time 24h P, T, Q and water quality data collection
- Operation in unattended mode

#### System Components:

- booster pump
- flowmeters
- temperature transmitters
- 3 core holders
- 4 filtration modules
- automatic transducers
- back pressure regulators

