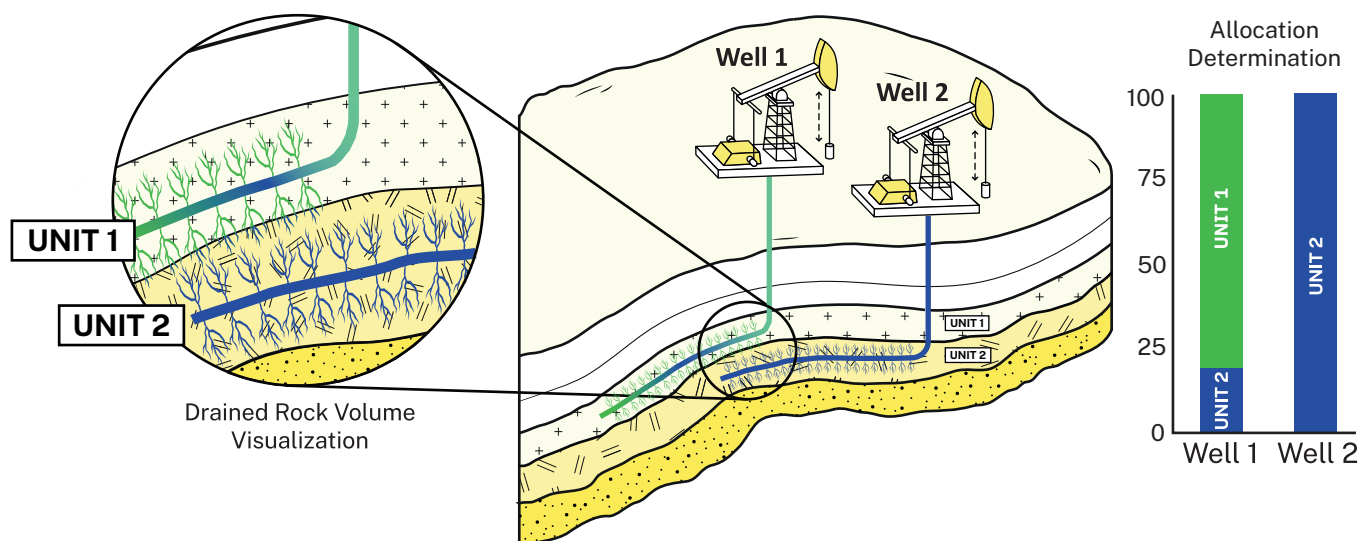


APT Allomon™

Optimize Production & Maximize ROI

Applied Petroleum Technology (APT) has developed an agile technical workflow for production allocation & monitoring. This workflow is designed to enable operators to address key production optimization objectives in both conventional and unconventional plays



When deploying APT Allomon™, operators can achieve significant improvement of asset value by reducing CAPEX, OPEX and DRILLEX.

APT Allomon™ enable assets to:

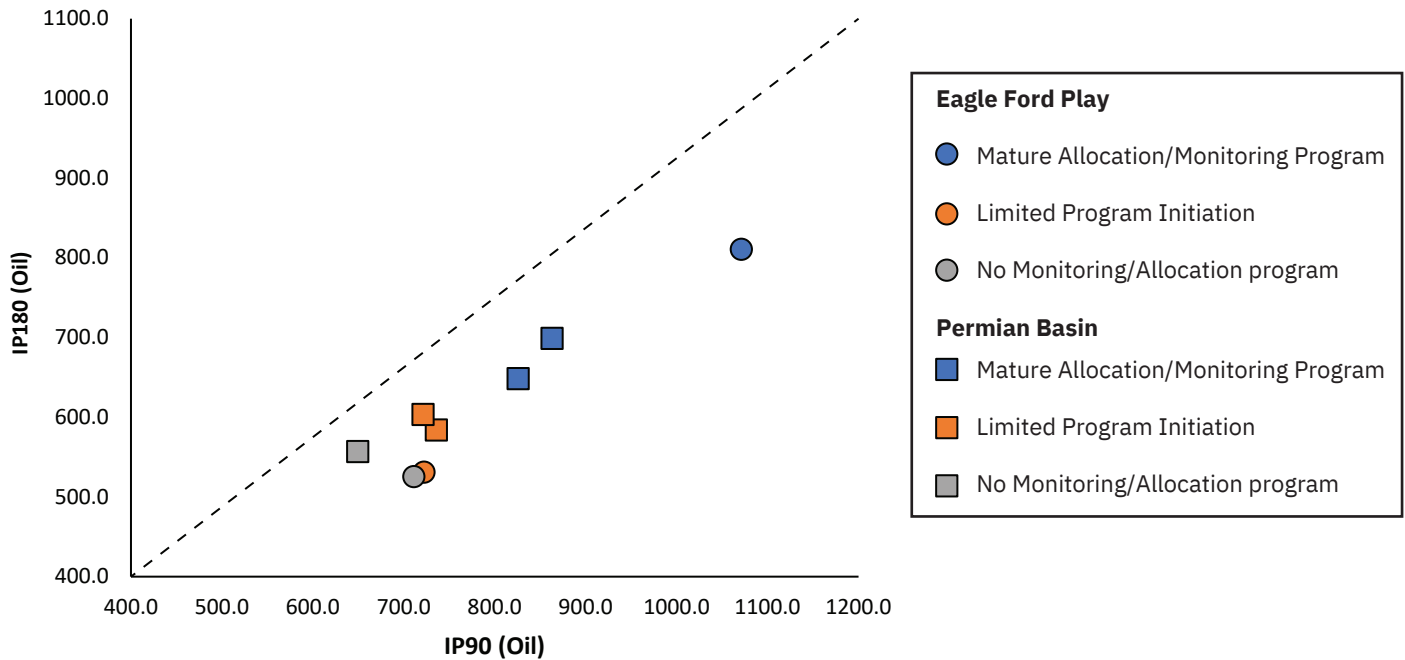
- Optimize numbers of production wells
- Identify more effective well drainage patterns
- Maximize effective production.

Applying APT Allomon™ does not interfere with normal production. This enables deployment while maintaining production levels and protecting revenue generation.

The methodology analyses fluid compositions to understand variations in production contribution from individual wells and reservoir compartments.

Understanding local variations in well and reservoir performance is essential for efficient well planning and production optimization.

Fluid samples are taken using standard sampling equipment. This means that added costs by deploying APT Allomon™ are dramatically lower than alternative methods.



Cross-Plot of initial oil production (after 90 & 180 days) for a selection of operator wells in the Eagle Ford and Permian Basin. Production is from equivalent wells in the same field and are color coded based upon whether the operator has a mature, newly initiated or no geochemical allocation/monitoring program in place. The benefit of deploying geochemical programs speak for themselves. Data from Rystad Energy’s ShaleWellCube.

In addition to potential production improvement and optimization, through the initiation of geochemical programs, these workflows offer a number of other benefits over other techniques:

- Produced fluids are straightforward and cheap to collect.
- Programs can be adapted to include as many or as few wells as needed.
- Programs can be quickly adapted to suit operator developments and objectives. Adaptability is a core tenet of this work.
- Sample collection does not interfere with production operations.
- It is the ONLY direct method for assessing well production.
- It is significantly cheaper than tracer, microseismic and log based methods.



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