

ADA AI™ PRODUCTION FORECASTING

- Provides true composite modeling of multi-fractured horizontal wells
- Distributes rock properties spatially from fractures to reservoir
- Includes built-in industry-standard PVT correlations for oil and gas
- Includes built-in compaction correlations as exponential model, power-law model, and Dobrynin model
- Supports user-defined PVT and compaction tables via excel or csv files
- Uploads historical production data easily via excel or csv files
- Creates smooth decaying bottomhole flowing pressure for realistic pressure-drawdown
- Includes specialized linear flow and rate-normalized diagnostic plots
- Allows user to create multiple scenarios for any given simulation case
- Operates in conjunction with completions and drilling series offerings, as requested
- Facilitates an estimated production forecasting during completions design in the completions series offering
- Works in a cloud-based platform with optimal security, speed, and accessibility



Our ADA AI™ Digital Ecosystem is the first to offer physics-based artificial intelligence (AI) which spans across drilling, completions, and production workflows of upstream operations. The system is provided through an open platform structure with 3 distinct offerings:

- ADA AI™ DRILLING SERIES
- ADA AI™ COMPLETIONS SERIES
- ADA AI™ PRODUCTION SERIES

ADA AI™ Production Forecasting is a physics-based production prediction module dashboard within our integrated cloud-based solution ADA AI™ Digital Ecosystem. ADA AI™ Production Forecasting accurately predicts production and estimated ultimate recovery from unconventional reservoirs, yielding realistic economic projections and leads to the correct identification of production performance drivers.

At the heart of ADA AI™ Production Forecasting is a tailor-made numerical simulation program with highly optimized linear algebra routines and tuned solvers that provides fast simulation results (within seconds), even if complex physical processes, such as fracture compliance and variable pressure and rate conditions, are accounted for.

ADA AI™ Production Forecasting is intuitive and user-friendly. Our wizard-like scenario setup makes it even easier for users to create new simulation cases, modify and duplicate existing ones, and export simulation results into ADA AI™ Petroleum Economics to intuitively transform production forecast curves into financial metrics. All just within a few clicks.

