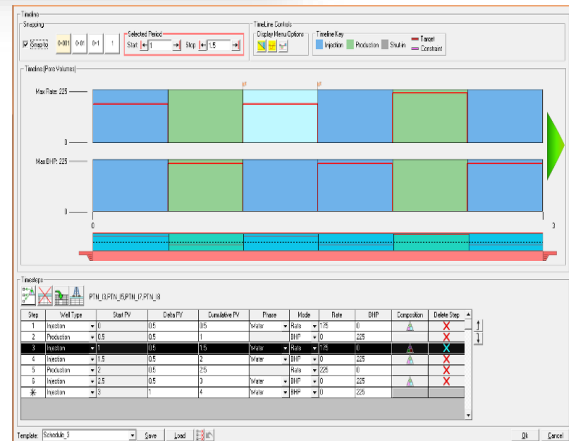
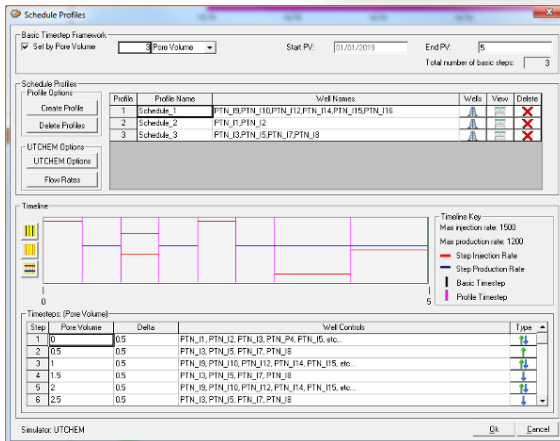
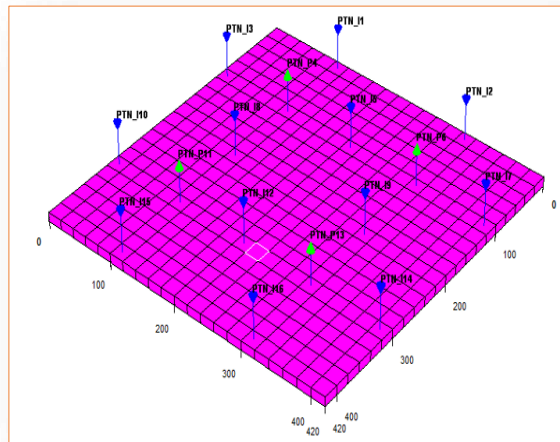


QuickBuild

Building for the future



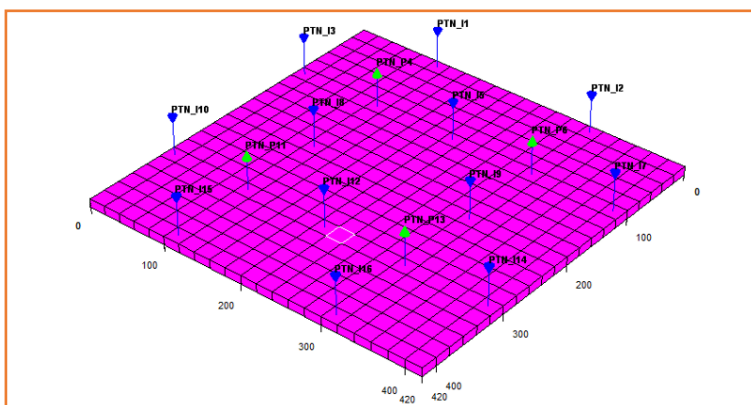
- **Quick and easy CEOR and black-oil simulation model building**
- **Reusable template-based modelling**
- **Well pattern designer**
- **Detailed injection slug and production schedule designer**
- **Polymer, surfactant and tracer modelling**

QuickBuild is a fast, intuitive tool for quickly creating chemical EOR simulation models for MetEOR/UTCHEM, and black-oil models for ECLIPSE. Applications include CEOR screening, modelling of CEOR pilot studies and quick studies of problem areas of a field.

QuickBuild's easy-to-use interface allows reservoir simulation models to be generated via a simple wizard: grid geometries and well patterns are defined and reservoir/fluid properties specified. Wells can be added and edited, individually or in patterns. All data defining the generated models can be saved to templates for later reuse. **QuickBuild** is supplied with a set of basic simulation model and data templates that cover many CEOR modelling workflows (1-D core floods, 5-spot patterns etc.). **QuickBuild's** templates enable one-click simulation model generation.

BENEFITS

- Quick and easy CEOR and black-oil simulation model building
- Easy definition of chemical components and properties for CEOR modelling in MetEOR/UTCHEM
- Interactive injection/production schedule creation
- Simple injection slug design, including the specification of injected concentrations for the CEOR chemicals



CEOR Model with tiled 5-spot pattern

KEY FEATURES

QUICK MODEL BUILDING

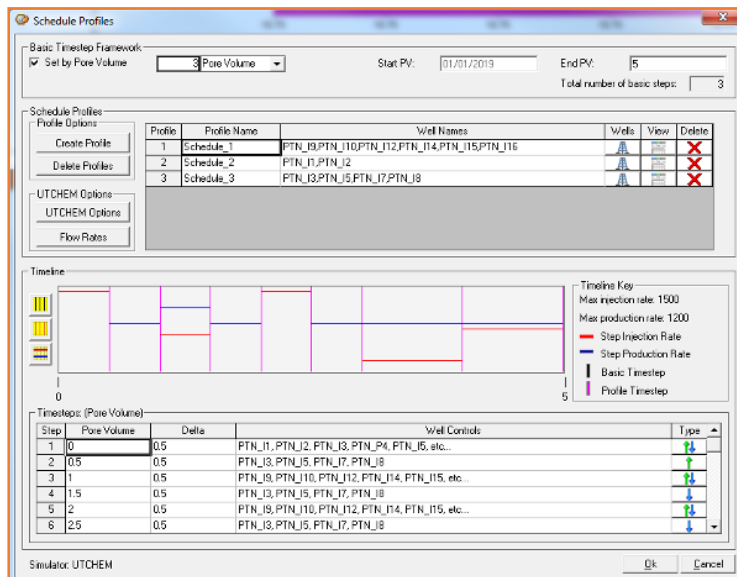
- Grid geometry and well pattern selection
- Core flood and spot patterns supported
- Reservoir property definition
- Fluid properties, PVT data and initial reservoir conditions
- Wells can be added and edited

CHEMICAL EOR MODELLING

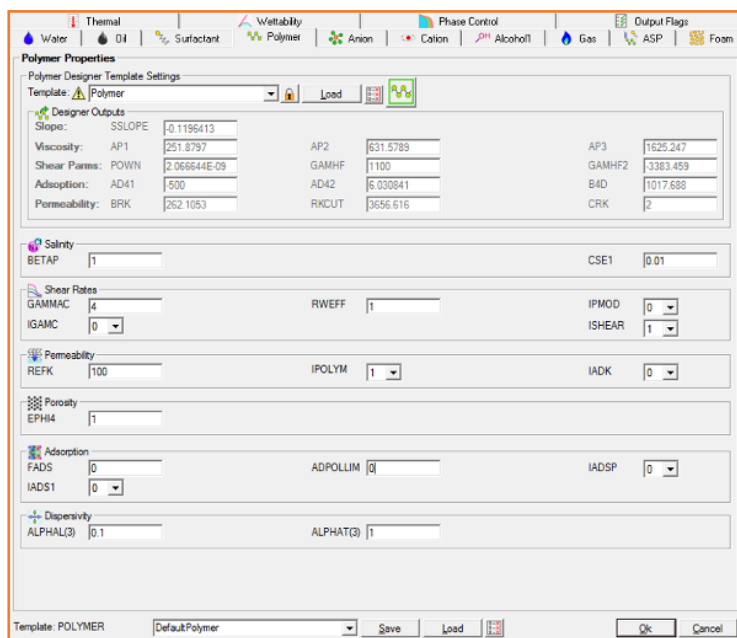
- MetEOR/UTCHEM CEOR components and properties can be specified
- Polymer, Surfactant/Polymer and ASP schemes
- Reactive and non-reactive water tracers for Single Well Tracers Tests
- Chemical properties and complete CEOR schemes can be saved to templates

SCHEDULE CREATION AND SLUG DESIGN

- Interactive injection slug design
- Schedules defined by time or injected pore volume
- Slug profile designer allows complex injection/production profiles to be created, saved and reused
- Schedule profiles can be created for groups of wells (multiple wells in a pattern, for example) in a single step
- Fast schedule creation from existing slug designs and production schedule templates



Injection/Production Schedule Designer



Polymer Designer



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