

# Precept



## PRODUCTION FORECAST

*Create scenarios and run multiple forecasts within seconds*

## RESERVES ANALYSIS

*Create multiple decline curves per well and build a better understanding of the reserves*



## FIELD DEVELOPMENT PLANNING

*Easily identify facility bottlenecks and define the best field development strategy*



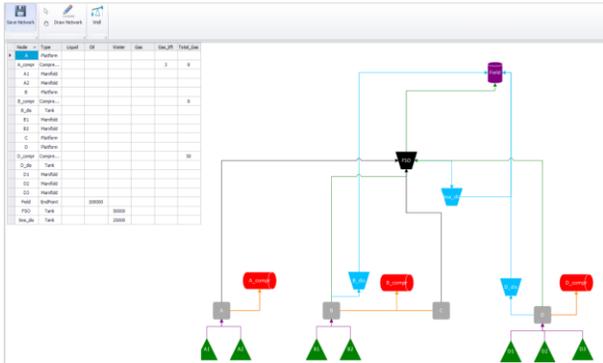
- What will be the production if the drilling rig come one month later?
- What is the value of upgrading this process facility ?
- Should I lay down a new pipeline?

What if you could answer all those questions in seconds ?

Precept is a Cloud-based Forecast, Reserves and Field Development plan software for the Oil and Gas industry.

Precept was developed to help the various teams to understand their assets and maximize oil recovery. Production team can use Precept for short term production forecast. Field Development team will use Precept for debottlenecking studies, while Reservoir Management Team will get better understanding of the Reserves.

## 1 Define your production network and constraints



Define your production facilities network (platform, pipe, compressor, separator, etc..).

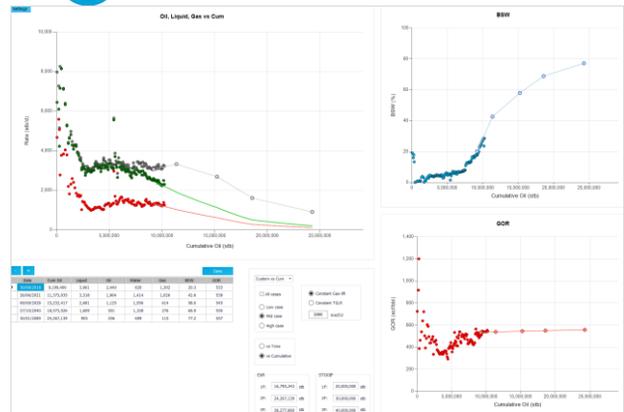
Add constraints to any nodes of the network.

Couple your production and injection networks for accurate fluid balance.

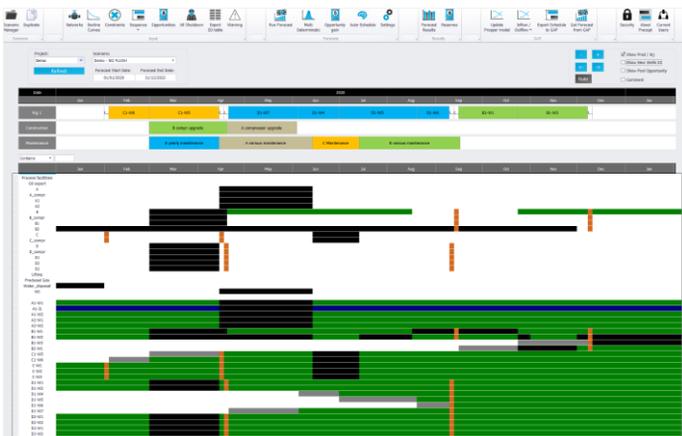
Precept allows you to easily generate decline curves for each wells using Arps or multi-segments, or directly import declines curves from Reservoir simulator.

Low, Mid and High cases can be generated and used for probabilistic forecast.

## 2 Generate decline curves



## 3 Build your sequence and run the forecast



Drag-and-drop the new wells and opportunities in the sequences builder. See the effect of schedule changes on production and planned shutdown.

With Precept powerful engine, a 100 wells / 50 years forecast takes less than a minute to run.

After forecast is run, the color-coded timeline helps engineers to QC the results and visualize bottlenecks at each nodes of the network.

#### 4 Visualize results

A user-friendly interface allows you to visualize the results of the forecasts.

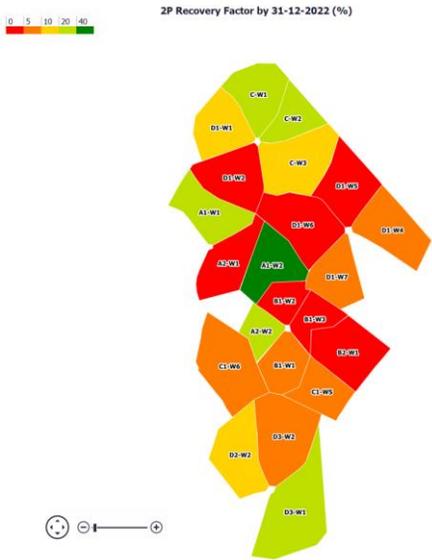
Line, Bar, Waterfall or Tornado charts are created in few clicks.

What-if scenario can easily be compared and bottlenecks identified.



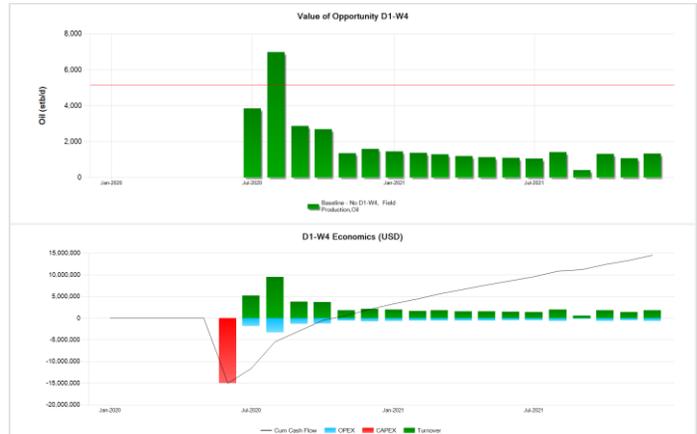
#### 5 Visualize results on Polygon maps

Use Precept powerful polygon maps to visualize Oil and Gas in place, cumulative production and injection, voidage, recovery factor, etc



#### 6 Calculate value of Opportunities

Use Precept economical screener to calculate the value or all your Opportunities and rank them by NPV.



#### 7 Connection to Intercept

Connect Precept to Intercept, our world class real-time production Monitoring and Optimization software for a 360 Asset Management solution.



Main benefits:

- ✓ Generate forecasts in less than a minute using Precept powerful engine.
- ✓ Robust solver able to handle thousands of wells and constraints.
- ✓ Understand your Asset. Understand the bottlenecks and define the best strategy to maximize oil recovery.
- ✓ Avoid manual inputs, create what-if scenario in no-time.
- ✓ Cloud-based database functionality for storing, retrieving and auditing both input and output data.
- ✓ Probabilistic forecast
- ✓ Green house gas emission calculation
- ✓ Precept can be used as Pre and Post processor for Integrated model (Prosper –GAP –Mbal ), leveraging GAP powerful non-linear solver with Precept unique User Interface and cloud-based database functionalities.
- ✓ Auto-Schedule: Precept proprietary Machine learning algorithm provides you with the best sequence of development among thousands of possible development strategies.

For more information, visit our website: [www.cleverfield.fr](http://www.cleverfield.fr)

or contact: [contact@cleverfield.fr](mailto:contact@cleverfield.fr)

