

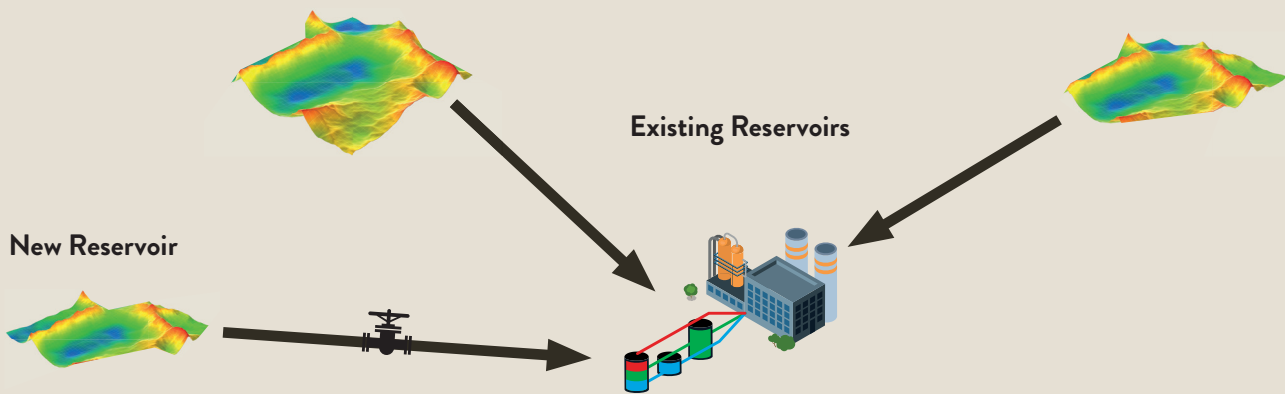


Tie-In Evaluation

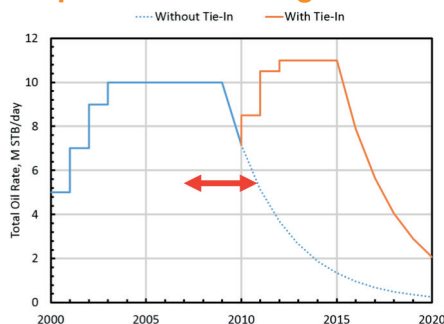
A PIPE-IT SOLUTION

For assessing the impact of tie-in fields

Pipe-It's Tie-In Evaluation Solution enables accurate modeling of the effects of tying in a new field to existing infrastructure and the impact this has throughout the entire value chain.

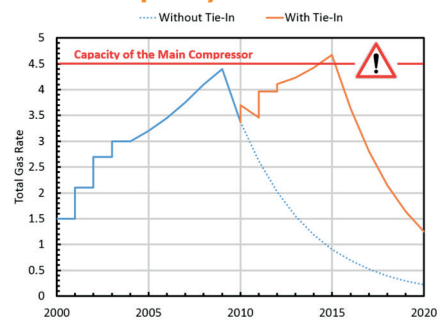


Optimize scheduling



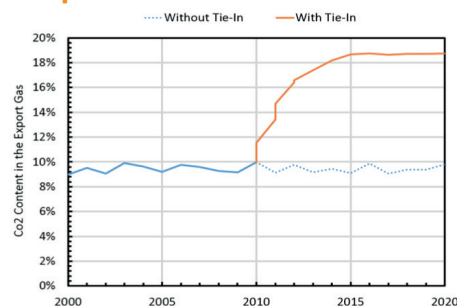
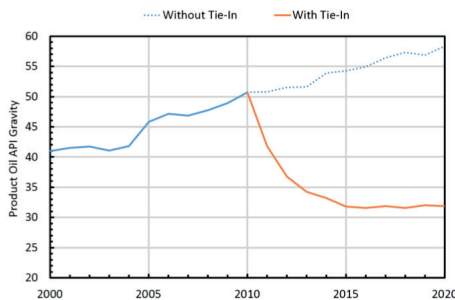
Evaluate the best stage to tie in another field to optimize production.

Identify bottle necks and capacity limitations



Foresee the impact on capacity and honor the necessary constraints before they become a problem.

Assess the quality of final products



Determine final product specification and quality at an early stage to anticipate demand on existing or planned surface installations.

CHALLENGE:

New tie in resulting in unforeseen effects

Oil and Gas operators often develop new satellite fields using existing facilities: pipeline, platform, process. Interactions between the production from new tie-in fields and the production from existing fields can be complex and non-intuitive. The whole value chain can be affected in terms

of quality of the final products, capacity limitations in shared facilities, and flow assurance issues. These effects are difficult to model manually. To see the full picture, all parts of the production system need to be brought together within an integrated asset model.

SOLUTION:

Use Pipe-It's Tie-in Evaluation Solution to get a detailed overview of the effects potential tie-in fields have on the entire value chain. Determine the impact tie-ins will have on total asset economics, shared facilities, and final product quality.

Features

- Integrated Asset Model, from reservoir to point of sales.
- Scalable and flexible solution.
- Rigorous and consistent fluid management from reservoir to surface process.

Requirements

- Reservoir simulation models.
- PVT description.
- Process simulation model(s).
- Any other model (pipeline, well, ...) can be relevant.

Value delivered

- **Reduce risk and uncertainty**
 - Assess quality impact on final products.
 - Identify potential bottle necks and capacity limitations.
 - Identify the parameters that affect KPIs the most.
- **Optimize asset development strategy**
 - Optimize tie-in scheduling.
 - Rank potential tie-in fields based on overall asset economics.
 - Run sensitivity analysis on any control variable across the entire value chain.
- **Save time through automation**

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