PERFORM™

The industry standard in NODAL analysis, and much more.

Get optimal performance from wells and flowlines.

"With PERFORM, you can sensitize one or more parameters within a single simulation case to identify ways of improving well performance. That's really the strength of the software."

— Arvil Mogensen, Partner, Exploitation Technologies, Inc.

The Source
for Critical Information and Insight™

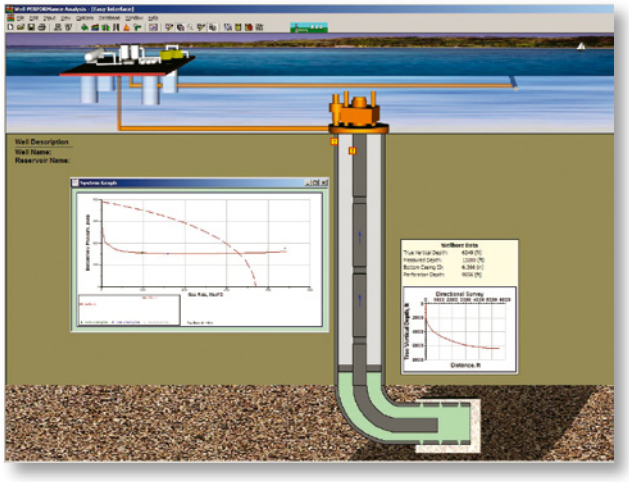
With 15 years of history, this cost-effective well-performance software is the world standard for NODAL and well analysis, and is trusted by engineers in more than 45 countries.

A typical production engineer manages tens, if not hundreds, of wells, with each well representing substantial revenue. **PERFORM** allows engineers to use NODAL analysis to gain a thorough understanding of flow in each component of a well, thereby cutting costs and maximizing production.

PERFORM is unmatched in its comprehensiveness, ease of use, price and the quality of support provided.

Model virtually any situation

PERFORM lets you model well and flowline simulation for practically any situation. You can model downhole networks and injection, vertical, multilayer and multilateral wells. Or, perform gradient analysis, coiled tubing calculations, gaslift design and optimization, and flow assurance calculations. You can even simulate chokes, artificial lift equipment, tubing, pipe, reservoir and heat loss scenarios.



Detailed interface displays both input and output parameters.

PVT correlations

Besides built-in fluid property correlations, **PERFORM** also lets you import compositional and blackoil data from **PVTLIB**™, which has more than 140 correlations.

Optimize new and existing wells

New wells

- Size tubing and flowlines
- Size coiled tubing and restrictions
- Design offshore wells and flowlines
- Design completions (perforations, gravel pack)
- Design multilateral completions
- Model water and gas injection
- Select separator pressure

Existing wells

- Improve well performance
- Evaluate future changes (water cut, reservoir)
- Estimate unknown reservoir parameters
- Gaslift design and optimization
- Evaluate stimulation effectiveness
- Predict flow assurance (hydrates and scales)
- Model heat transfer
- Analyze information about PVT data, flow patterns, production per layers, etc.
- Answer "what-if" questions related to workover results

A range of features for quick, yet comprehensive design

Graphical user interface

PERFORM has a truly simple and easy-to-use interface. This ensures your investment in software is utilized by your engineers.

Advanced design scenarios

Despite its simplicity, **PERFORM** allows modeling of downhole networks, multilayer (up to 10 layers) and multilateral wells with nine different configurations.

Other capabilities include:

- Compositional analysis (with **PVTLIB**)
- Riser analysis (node at riser)
- Importing well and flowline survey data, velocity strings and N2 injection through coiled tubing

PERFORM links to other software such as SubPUMP® for ESP design and Pipesoft-2™ for network analysis.

Artificial lift

- Gaslift design (pressure or fluid operated valves)
- Gaslift optimization
- Model downhole pumps including ESPs & PCPs

Inflow performance models

- Choose from 27 models for gas and oil wells— both vertical and horizontal, including fracture models, CBM, transient

Completions

- Enhance decision-making by analyzing nine different completion types for pressure drop
- Skin calculations are included
- Gun data available for leading manufacturers

Multiple correlations for single and multi-phase flow

- Calculate outflow performance with 14 correlations for oil and eight correlations for gas, choosing from empirical and mechanistic models
- Use two different correlations for pressure drop through wellbore and flowline at different sections of the pipe
- Calibrate correlations against field data
- Four techniques for temperature calculation, and seven choke flow correlations (critical and subcritical flow)
- Generate outflow (VLP) tables for many commercial simulators, including VIP, Eclipse and **IHS OilWat/GasWat**

Support and training

Free support for the first year included in license price. Training available. Option of hardware or software security.

For more information

Free demo CD and trial available. For more information on **PERFORM** and the Producing Systems Group, visit **ihs.com/energy/psg**, contact **sales.psg@ihs.com** or call **1.972.705.0402** (voice) or **1.972.783.0058** (fax).

For more information
+888.OIL.DATA
sales@ihsenergy.com
www.ihs.com/energy